

JANIS Book

of neutron-induced cross-sections

Comparison of evaluated and experimental data from

BROND-3.1, CENDL-3.2, EAF-2010, ENDF/B-VIII.0, IRDFF-II, JEFF-3.3,
JENDL-4.0u, JENDL/HE-2007, TENDL-2019 and EXFOR

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OECD NEA Data Bank

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Introduction

This document compares evaluated cross-sections with corresponding experimental data from the EXFOR database for a number of evaluated libraries (Table 1), nuclear reactions and associated reaction products (Table 3). This document was produced using tools based on the NEA Java-based nuclear information software (JANIS) and associated databases; up-to-date plots are available from online JANIS Books [1].

The evaluated cross-sections were reconstructed with the NJOY code [2] and Doppler-broadened to room temperature using a simple free-gas model.

Caveat: Please take into account the following points when studying plots and tables. (1) The energy resolution of experimental data is not always comparable with the resolution of the evaluated data. (2) Some experimental data were not measured at room temperature. (3) The free-gas model is too simple to correctly reproduce some experimental data, especially in the case of neutron scattering on bound-nuclei.

Graphical comparison of nuclear data

Experimental data sets are identified by the year and first author of the main reference compiled in EXFOR. The colors give an indication on the publication year, from black/blue for the oldest data to orange/red for the most recent ones (Table 2). All experimental data are plotted on the graph but the legend will ignore all of them if there are more than 20 data sets.

Evaluated data are plotted with full lines for exclusive cross-sections explicitly defined by a MT number, whereas dashed lines indicate residual production cross-sections given in MT5. A star '*' after the name of the library indicates additional operations performed by JANIS, e.g. summation over the ground and metastable yields, reconstruction of residual production cross-sections over the whole energy range.

The data are plotted in log-log scale (on the left hand side) and lin-log scale (on the right hand side). The best representation depends on the Q value of the reaction and/or the magnitude of the variation in the cross-section values.

Table of reactions and Q values

In order to identify individual contributions in residual production cross-sections, reactions leading to the same product are listed along with their associated Q values. The latter are calculated using mass excess from the NUBASE2016 evaluation of nuclear properties [3].

Table of simple integral neutron cross section data

The integral data of the main total cross sections (i.e. total, elastic, total inelastic, (n,xn), total fission, capture and main lcp-emission cross sections) were produced using the INTER code [4] with default options.

Maxwellian spectrum average

- Temperature $kT_0 = E_0 = 0.0253$ eV
- Integration limits 1.0E-05 eV to 10 eV

Resonance integral

- Spectrum 1/E
- Integration limits 0.5 eV to 100 keV

Fission spectrum average

- Temperature $kT = 1.35$ MeV
- Integration limits 1 keV to 20 MeV

Navigation in this document

The data are sorted by element, then by isotope and finally by reaction. In order to facilitate access to the information, two navigation modes are available in addition to the usual bookmark. At the top of each page, on the first row, the previous (<<) and next (>>) “Isotope links” allow the reader to move from one isotope to another while staying on the same MT reaction. On the second row, the “MT links” allow scanning all reactions of a given isotope. The latter navigation mode is actually similar to the use of the page up and page down keys.

References

- [1] N. Soppera *et al.*, *Nuclear Data Sheets 120* (2014), 294. See also www.oecd-nea.org/janis.
- [2] R.E. MacFarlane and A.C. Kahler, *Nuclear Data Sheets 111* (2010), 2739.
- [3] G. Audi *et al.*, *Chinese Physics C*, 41 (3), 030001, 2017.
- [4] C.L. Dunford *et al.*, ENDF Utility Codes, BNL, NNDC, 2005.

Table 1: list of databases used in the inter-comparison

| Library | Release date |
|---------------|----------------|
| BROND-3.1 | 2016 |
| CENDL-3.2 | June 2020 |
| EAF-2010 | November 2010 |
| ENDF/B-VIII.0 | February 2018 |
| IRDF-II | January 2020 |
| JEFF-3.3 | November 2017 |
| JENDL-4.0u | January 2016 |
| JENDL/HE-2007 | December 2007 |
| TENDL-2019 | December 2019 |
| EXFOR | September 2020 |

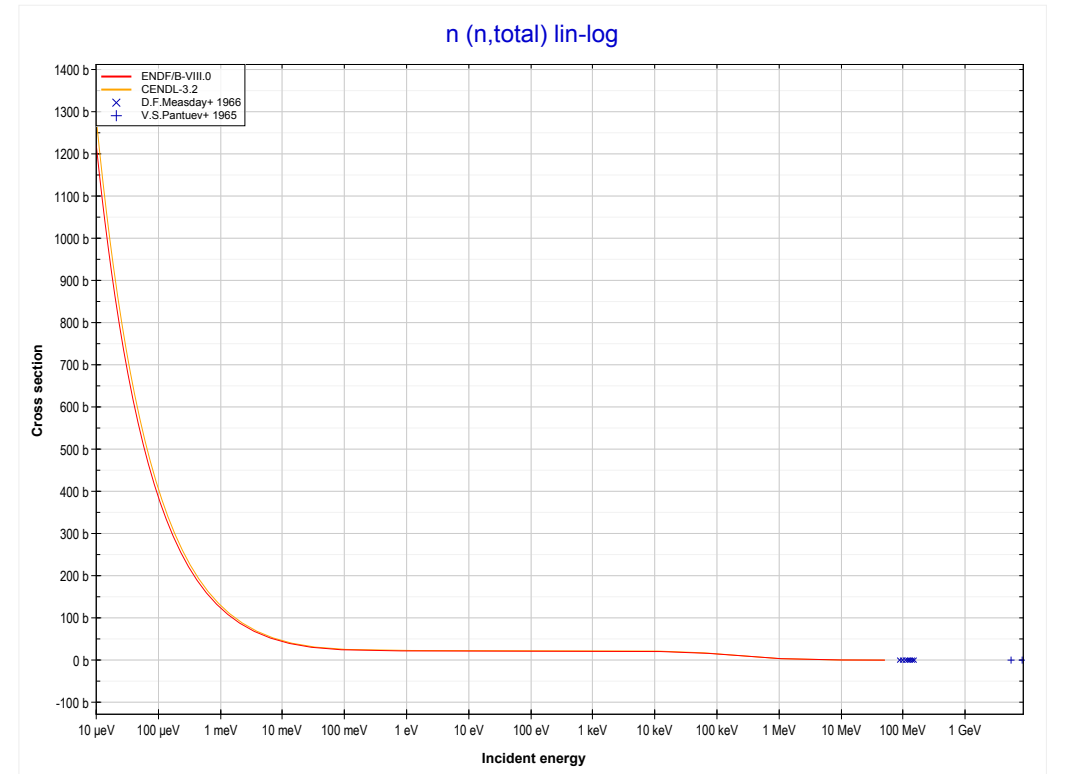
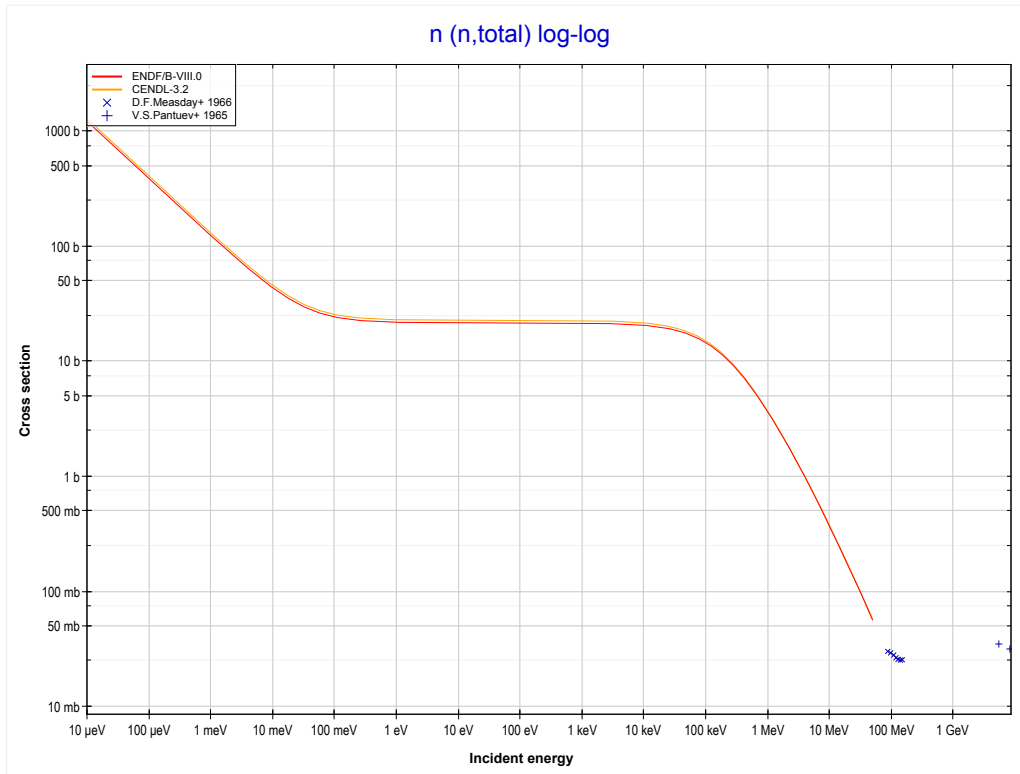
Table 2: experimental data sets color code

| Color | Publication year |
|--------------|--------------------|
| red | 2005 ≤ year |
| orange | 2000 ≤ year < 2005 |
| light orange | 1995 ≤ year < 2000 |
| khaki | 1990 ≤ year < 1995 |
| light green | 1985 ≤ year < 1990 |
| green | 1980 ≤ year < 1985 |
| light blue | 1970 ≤ year < 1980 |
| dark blue | 1960 ≤ year < 1970 |
| black | year < 1960 |

Table 3 : list of exclusive reactions used in the inter-comparison

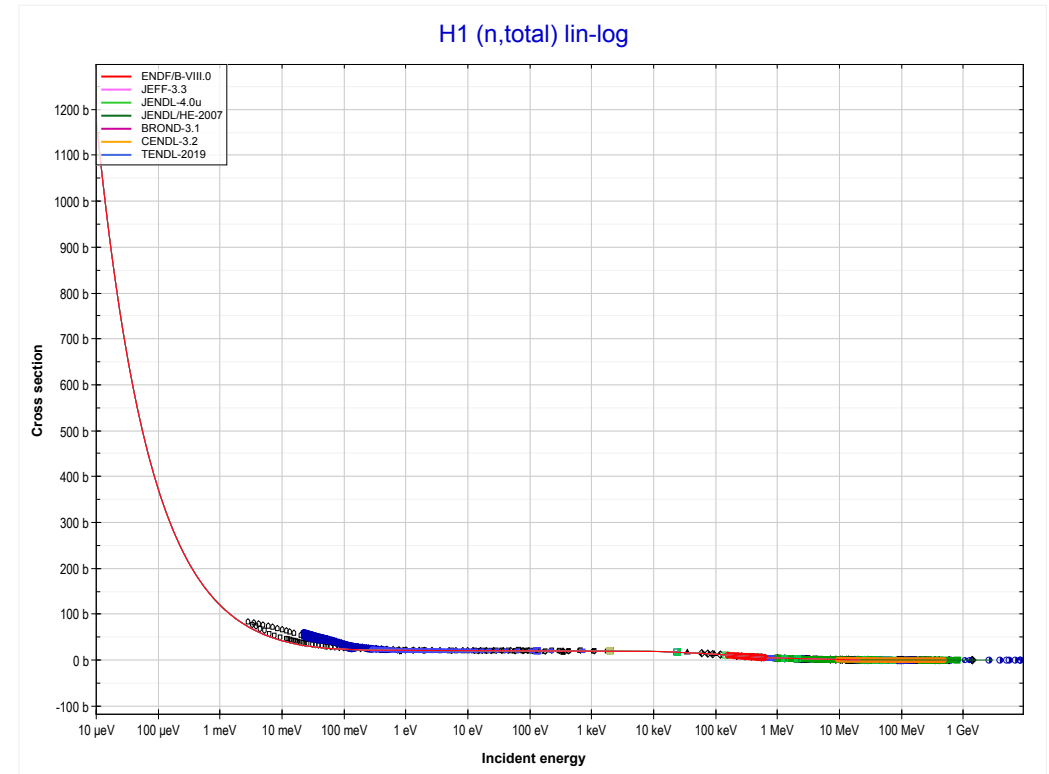
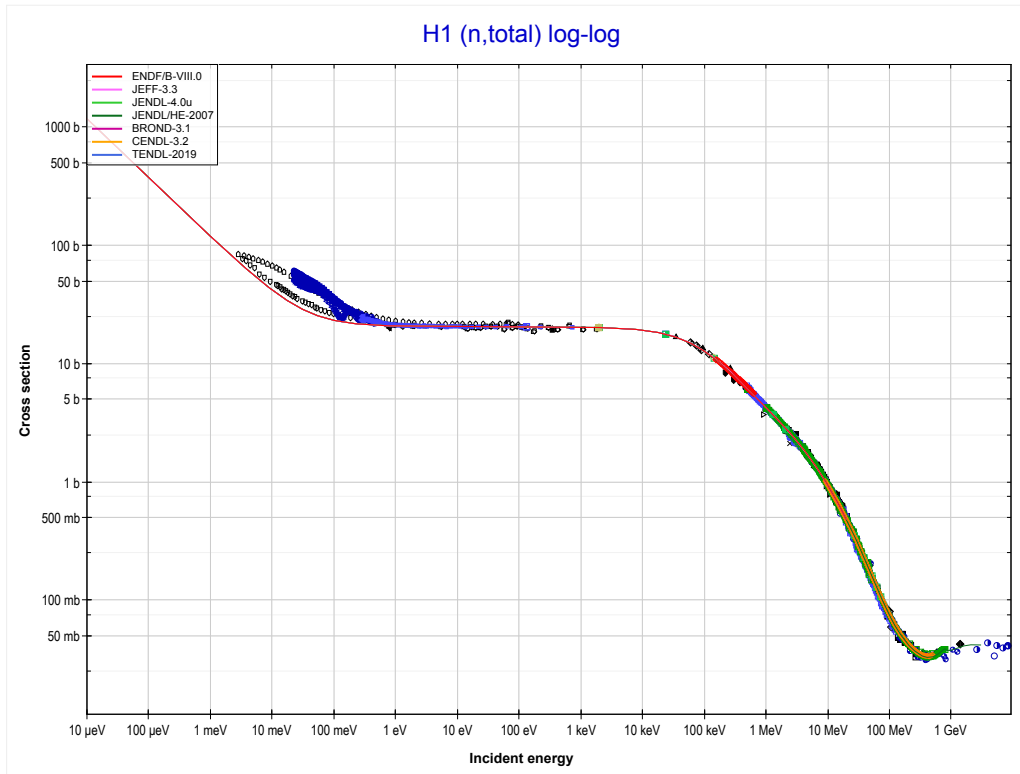
| MT | Reaction | MT | Reaction | MT | Reaction | MT | Reaction |
|----|----------|-----|----------|-----|----------|-----|----------|
| 1 | total | 44 | n+2p | 157 | 3n+d | 179 | 3n+2p |
| 2 | elastic | 45 | n+p+a | 158 | n+d+a | 180 | 3n+2a |
| 4 | n' | 102 | gamma | 159 | 2n+p+a | 181 | 3n+p+a |
| 11 | 2n+d | 103 | p | 160 | 7n | 182 | d+t |
| 16 | 2n | 104 | d | 161 | 8n | 183 | n+p+d |
| 17 | 3n | 105 | t | 162 | 5n+p | 184 | n+p+t |
| 18 | fission | 106 | h | 163 | 6n+p | 185 | n+d+t |
| 22 | n+a | 107 | a | 164 | 7n+p | 186 | n+p+h |
| 23 | n+3a | 108 | 2a | 165 | 4n+a | 187 | n+d+h |
| 24 | 2n+a | 109 | 3a | 166 | 5n+a | 188 | n+t+h |
| 25 | 3n+a | 111 | 2p | 167 | 6n+a | 189 | n+t+a |
| 28 | n+p | 112 | p+a | 168 | 7n+a | 190 | 2n+2p |
| 29 | n+2a | 113 | t+2a | 169 | 4n+d | 191 | p+h |
| 30 | 2n+2a | 114 | d+2a | 170 | 5n+d | 192 | d+h |
| 32 | n+d | 115 | p+d | 171 | 6n+d | 193 | h+a |
| 33 | n+t | 116 | p+t | 172 | 3n+t | 194 | 4n+2p |
| 34 | n+h | 117 | d+a | 173 | 4n+t | 195 | 4n+2a |
| 35 | n+d+2a | 152 | 5n | 174 | 5n+t | 196 | 4n+p+a |
| 36 | n+t+2a | 153 | 6n | 175 | 6n+t | 197 | 3p |
| 37 | 4n | 154 | 2n+t | 176 | 2n+h | 198 | n+3p |
| 41 | 2n+p | 155 | t+a | 177 | 3n+h | 199 | 3n+2p+a |
| 42 | 3n+p | 156 | 4n+p | 178 | 4n+h | 200 | 5n+2p |

| | | |
|--|----------------------|------------------------|
| | 0-n-1 | 1-H-1 >> |
| | MT1 (n,total) | 1-H-1 MT1 (n,total) >> |



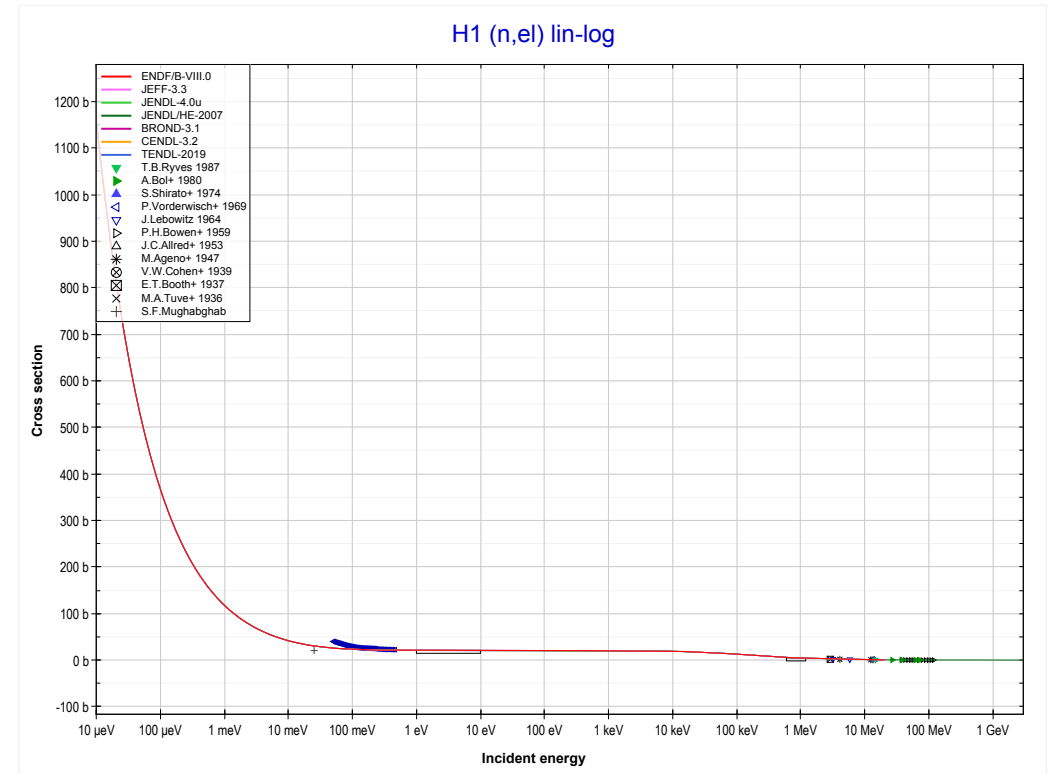
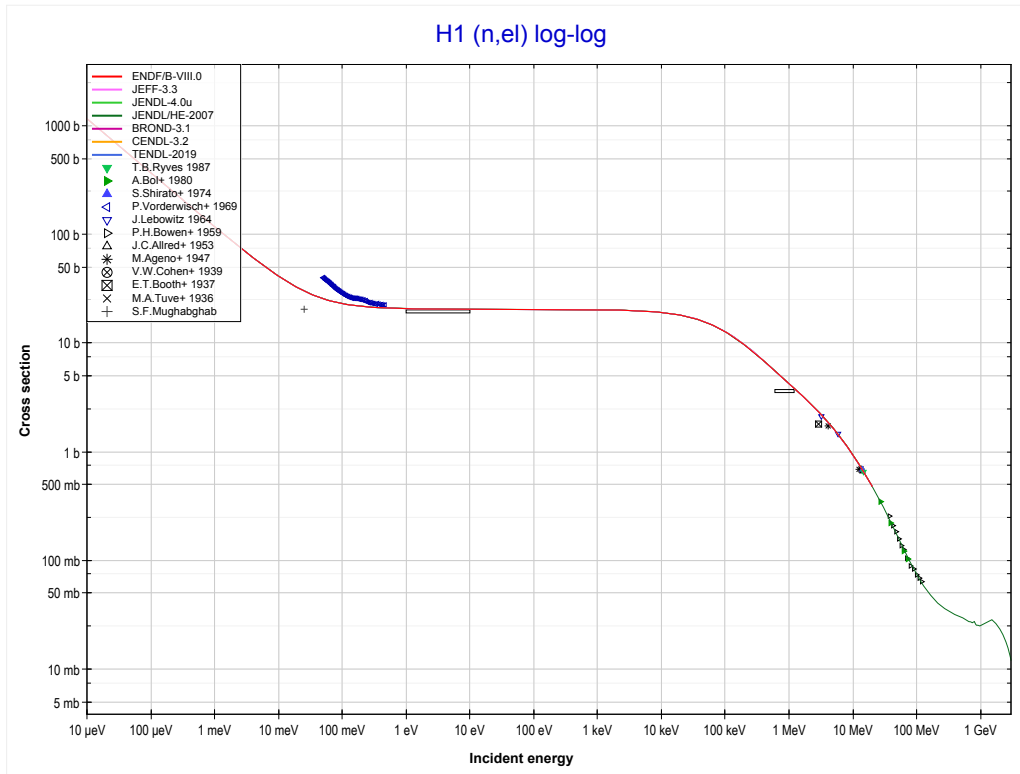
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 31.6459 b | 31.6459 b | 34.328 b | 1.08475 | 254.683 b | 3.47566 b | 0.25325 b |
| CENDL-3.2 | 33.268 b | 33.268 b | 36.077 b | 1.08444 | 267.549 b | 3.54044 b | 0.258693 b |

| | | |
|------------------------|----------------------|--------------------|
| << 0-n-1 | 1-H-1 | 1-H-2 >> |
| << 0-n-1 MT1 (n,total) | MT1 (n,total) | MT2 (n,elastic) >> |



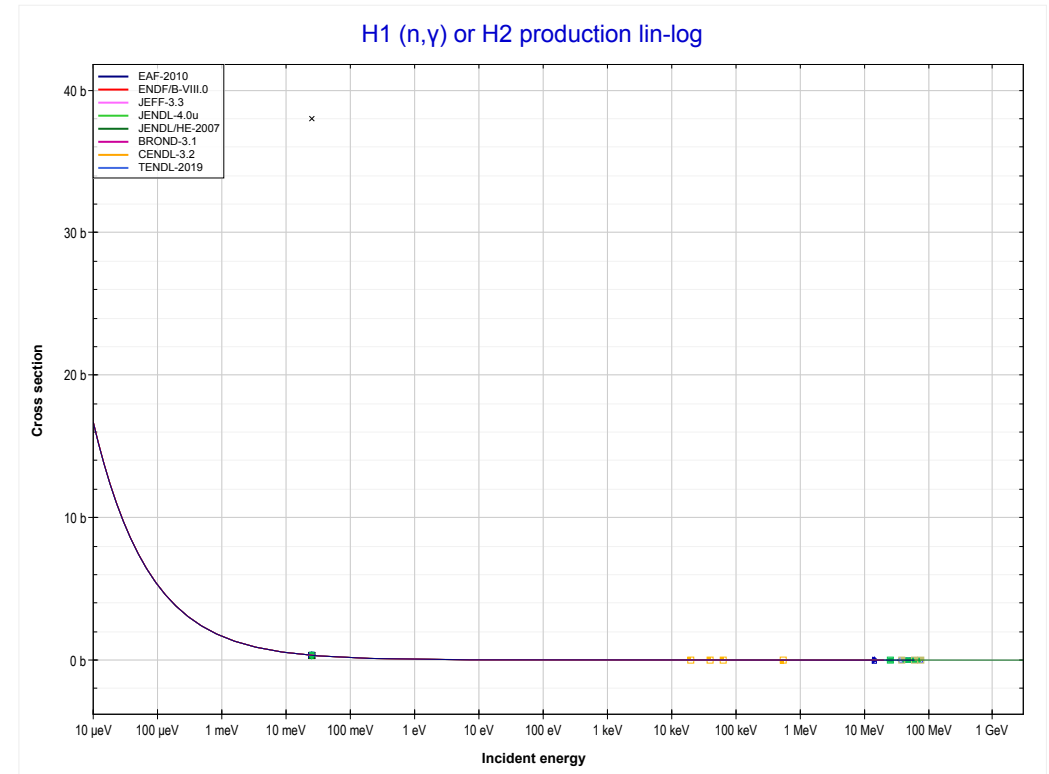
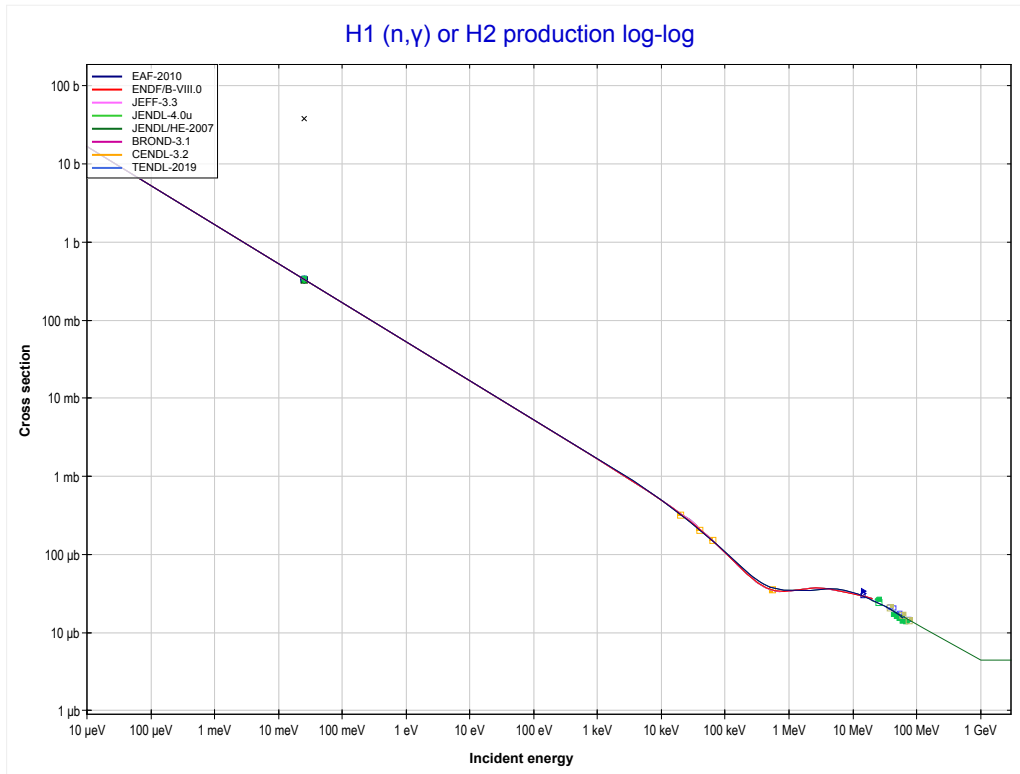
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 30.4139 b | 30.4139 b | 32.958 b | 1.08363 | 240.076 b | 3.98501 b | 0.687592 b |
| JEFF-3.3 | 30.4137 b | 30.4137 b | 32.957 b | 1.08364 | 240.122 b | 3.98828 b | 0.687144 b |
| JENDL-4.0u | 30.4137 b | 30.4137 b | 32.957 b | 1.08364 | 240.122 b | 3.98828 b | 0.687144 b |
| JENDL/HE-2007 | 30.4819 b | 30.4819 b | 33.027 b | 1.08351 | 240.468 b | 3.9892 b | 0.69203 b |
| BROND-3.1 | 30.4137 b | 30.4137 b | 32.957 b | 1.08364 | 240.122 b | 3.98828 b | 0.687144 b |
| CENDL-3.2 | 30.4755 b | 30.4755 b | 33.015 b | 1.08334 | 240.5 b | 3.99688 b | 0.692877 b |
| TENDL-2019 | 30.4441 b | 30.4441 b | 32.981 b | 1.08333 | 240.229 b | 3.98707 b | 0.687592 b |

| | | |
|------------------|------------------------|-------------------------|
| | 1-H-1 | 1-H-2 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



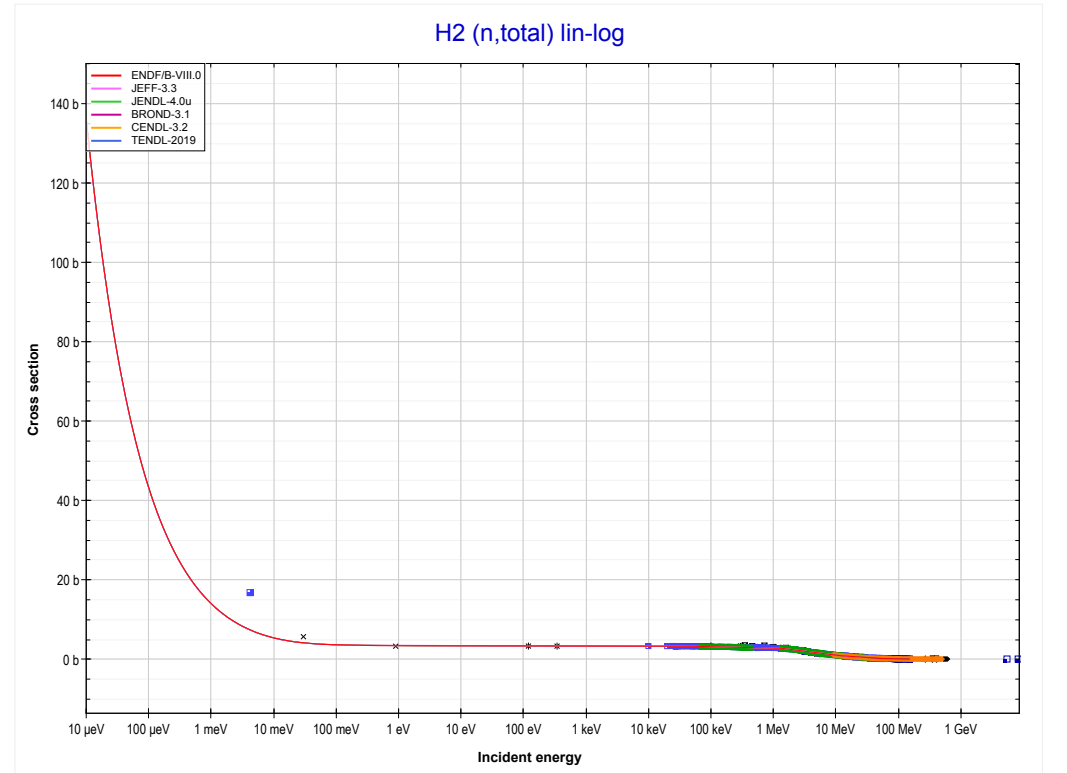
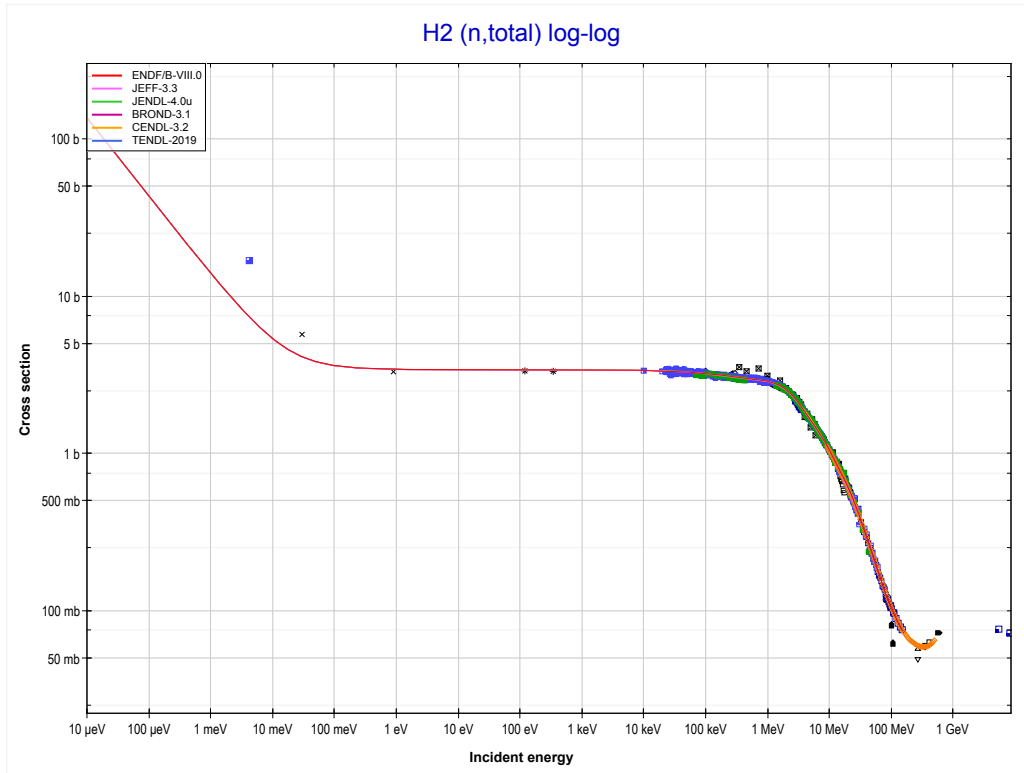
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 30.0812 b | 30.0812 b | 32.625 b | 1.08456 | 239.927 b | 3.98497 b | 0.687562 b |
| JEFF-3.3 | 30.0816 b | 30.0816 b | 32.625 b | 1.08456 | 239.972 b | 3.98824 b | 0.687114 b |
| JENDL-4.0u | 30.0816 b | 30.0816 b | 32.625 b | 1.08456 | 239.972 b | 3.98824 b | 0.687114 b |
| JENDL/HE-2007 | 30.1489 b | 30.1489 b | 32.694 b | 1.08443 | 240.323 b | 3.98916 b | 0.692 b |
| BROND-3.1 | 30.0816 b | 30.0816 b | 32.625 b | 1.08456 | 239.972 b | 3.98824 b | 0.687114 b |
| CENDL-3.2 | 30.1126 b | 30.1126 b | 32.654 b | 1.0844 | 240.343 b | 3.9968 b | 0.692847 b |
| TENDL-2019 | 30.0812 b | 30.0812 b | 32.62 b | 1.0844 | 240.072 b | 3.98699 b | 0.687562 b |

| | | |
|--------------------|---|------------------------|
| | 1-H-1 | 1-H-2 >> |
| << MT2 (n,elastic) | MT102 (n,y) or MT5 (H2 production) | 1-H-2 MT1 (n,total) >> |



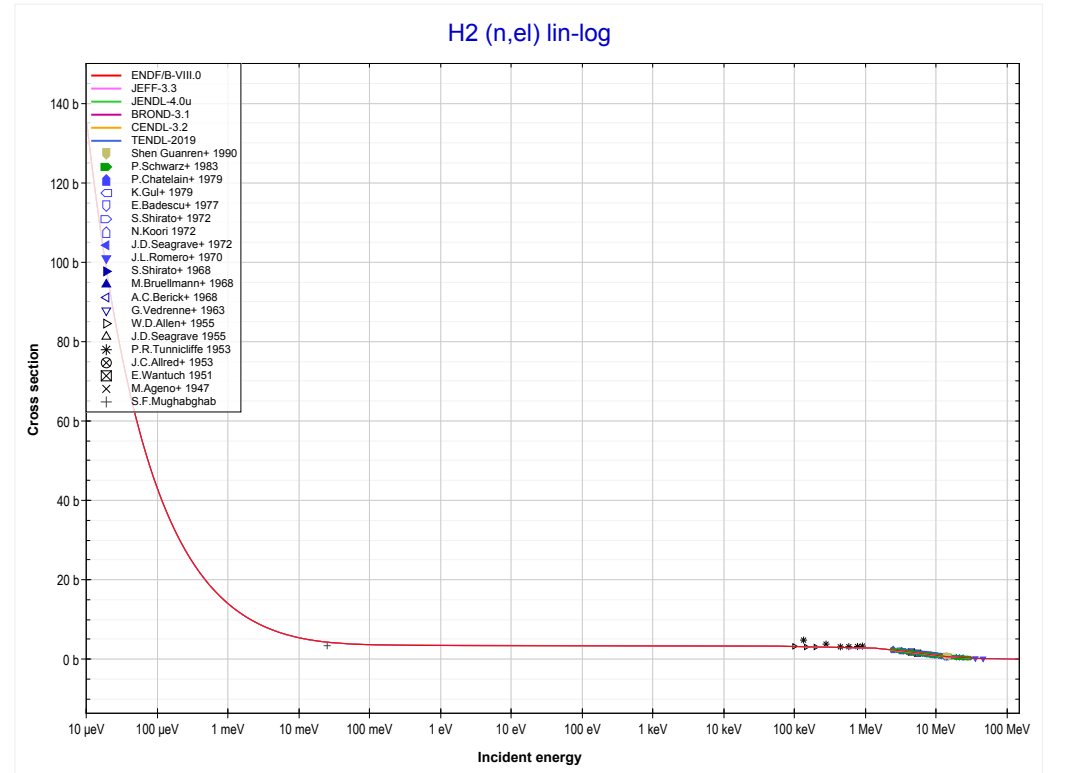
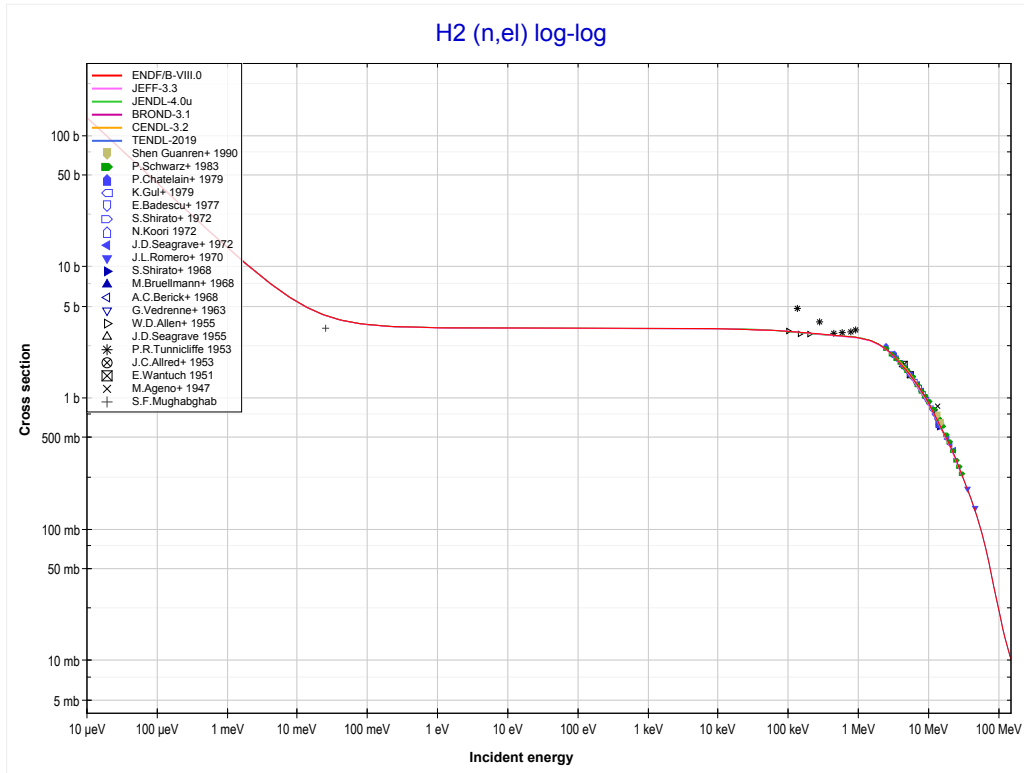
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.332002 b | 0.331761 b | 0.33177 b | 1.00006 | 0.148895 b | 3.95601E-5 b | 2.983E-5 b |
| ENDF/B-VIII.0 | 0.3327 b | 0.3327 b | 0.33281 b | 1.00034 | 0.149498 b | 3.96275E-5 b | 2.95661E-5 b |
| JEFF-3.3 | 0.332128 b | 0.332128 b | 0.33224 b | 1.00034 | 0.149249 b | 3.95508E-5 b | 2.98051E-5 b |
| JENDL-4.0u | 0.332128 b | 0.332128 b | 0.33224 b | 1.00034 | 0.149249 b | 3.95509E-5 b | 2.98051E-5 b |
| JENDL/HE-2007 | 0.331979 b | 0.331979 b | 0.33199 b | 1.00005 | 0.148879 b | 3.95622E-5 b | 2.983E-5 b |
| BROND-3.1 | 0.332128 b | 0.332128 b | 0.33224 b | 1.00034 | 0.149249 b | 3.95509E-5 b | 2.98051E-5 b |
| CENDL-3.2 | 0.332584 b | 0.332584 b | 0.3326 b | 1.00006 | 0.149163 b | 3.96255E-5 b | 2.95661E-5 b |
| TENDL-2019 | 0.332584 b | 0.332584 b | 0.3326 b | 1.00006 | 0.149163 b | 3.96255E-5 b | 2.95661E-5 b |

| | | |
|-------------------------------|----------------------|--------------------|
| << 1-H-1 | 1-H-2 | 1-H-3 >> |
| << 1-H-1 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



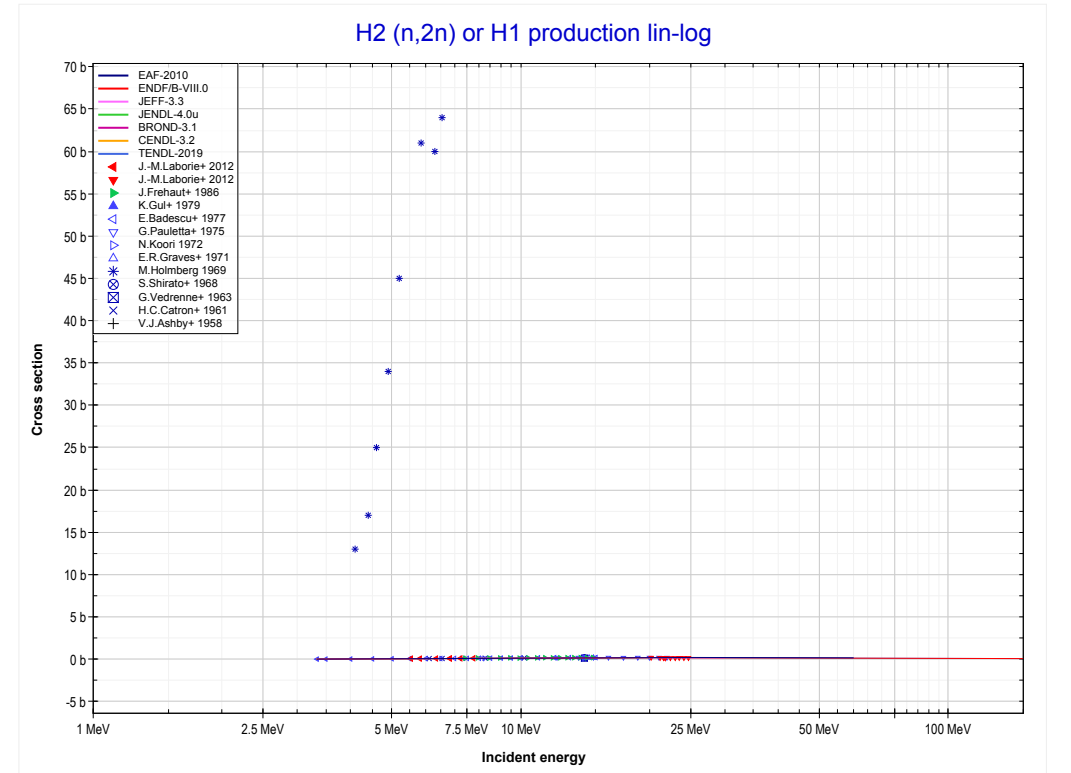
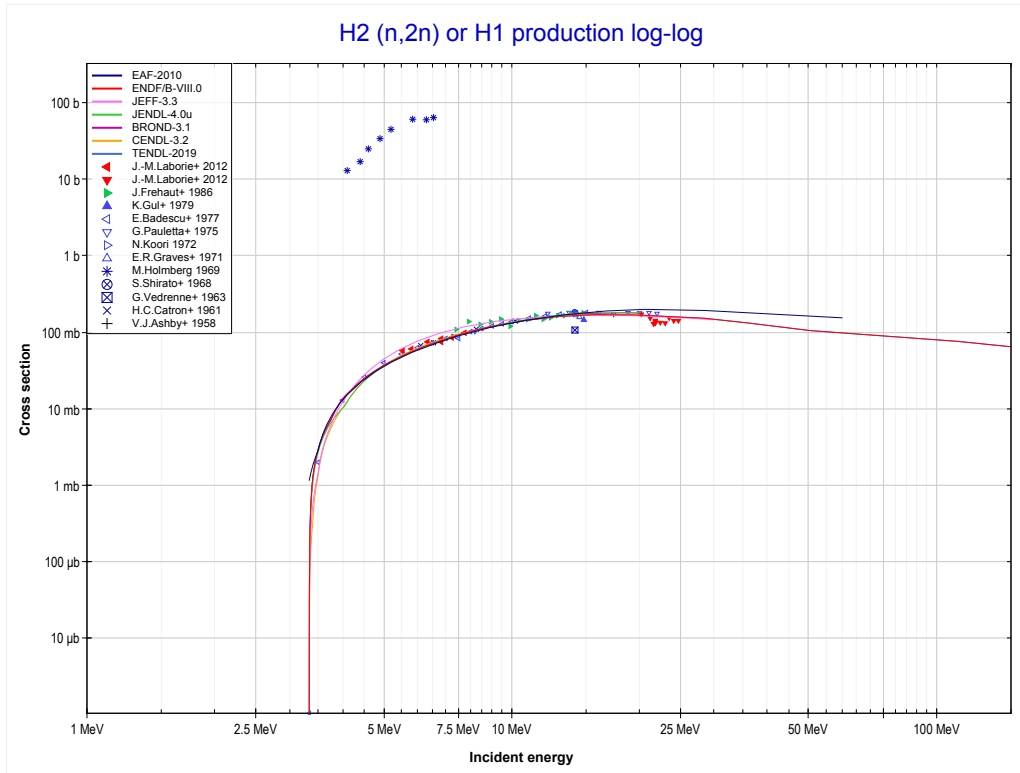
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.23579 b | 4.23579 b | 4.6942 b | 1.10824 | 41.2712 b | 2.54035 b | 0.81 b |
| JEFF-3.3 | 4.21981 b | 4.21981 b | 4.6765 b | 1.10824 | 41.1465 b | 2.51789 b | 0.802409 b |
| JENDL-4.0u | 4.22894 b | 4.22894 b | 4.6867 b | 1.10825 | 41.229 b | 2.54225 b | 0.801546 b |
| BROND-3.1 | 4.22957 b | 4.22957 b | 4.6873 b | 1.10822 | 41.2149 b | 2.53821 b | 0.81001 b |
| CENDL-3.2 | 4.23603 b | 4.23603 b | 4.6942 b | 1.10815 | 41.2832 b | 2.54674 b | 0.80743 b |
| TENDL-2019 | 4.23649 b | 4.23649 b | 4.6946 b | 1.10814 | 41.2853 b | 2.54029 b | 0.81 b |

| | | |
|------------------|------------------------|----------------|
| << 1-H-1 | 1-H-2 | 1-H-3 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



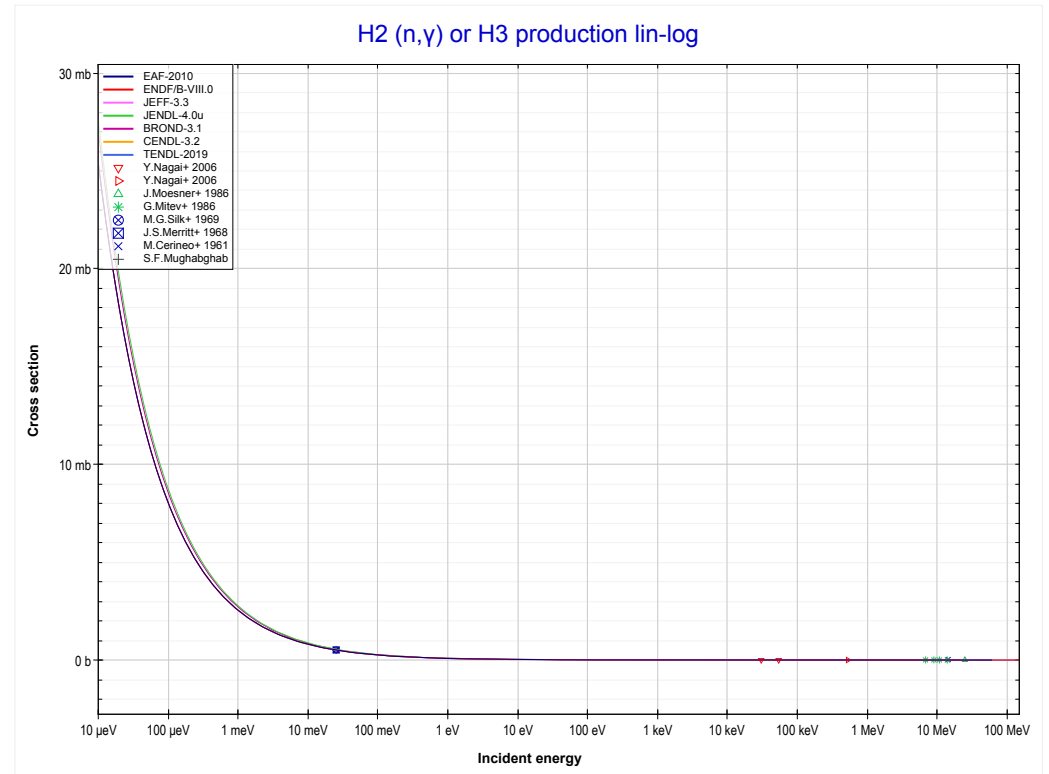
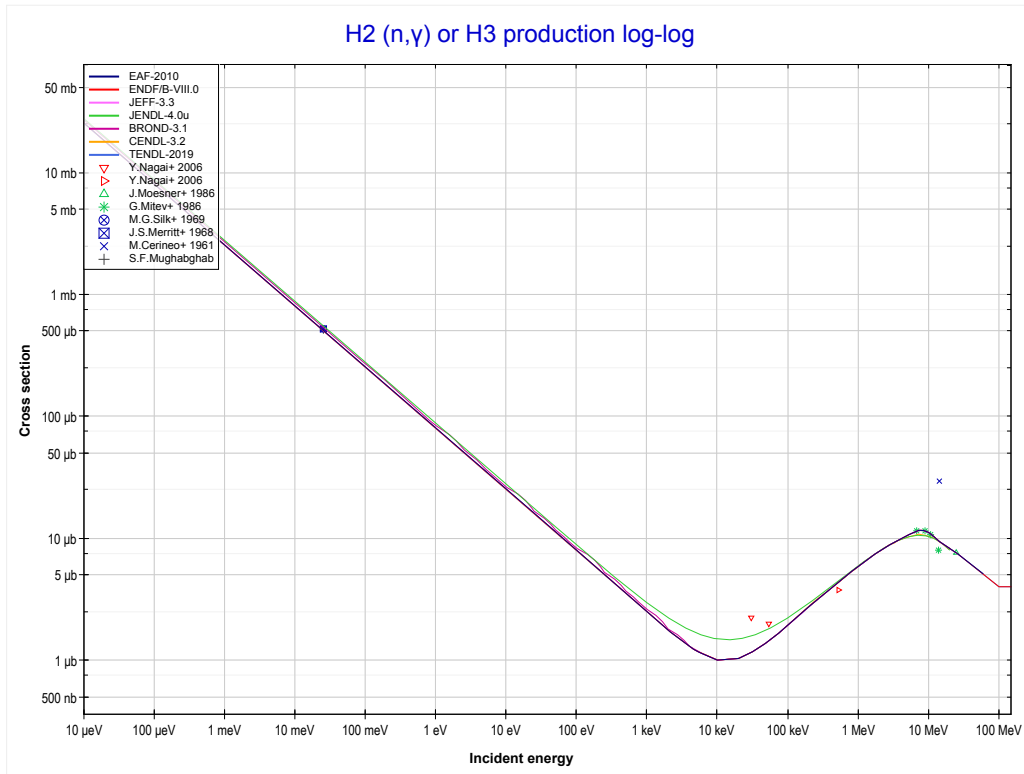
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.23528 b | 4.23528 b | 4.6937 b | 1.10825 | 41.271 b | 2.53455 b | 0.643566 b |
| JEFF-3.3 | 4.21931 b | 4.21931 b | 4.676 b | 1.10825 | 41.1462 b | 2.51111 b | 0.6364 b |
| JENDL-4.0u | 4.22839 b | 4.22839 b | 4.6862 b | 1.10826 | 41.2288 b | 2.5366 b | 0.624308 b |
| BROND-3.1 | 4.22904 b | 4.22904 b | 4.6868 b | 1.10824 | 41.2147 b | 2.53241 b | 0.638074 b |
| CENDL-3.2 | 4.23528 b | 4.23528 b | 4.6934 b | 1.10816 | 41.2821 b | 2.54106 b | 0.6377 b |
| TENDL-2019 | 4.23528 b | 4.23528 b | 4.6934 b | 1.10816 | 41.2821 b | 2.53448 b | 0.643566 b |

| | | |
|--------------------|---|-------------------------|
| | 1-H-2 | 1-H-3 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (H1 production) | MT102 (n, γ) >> |



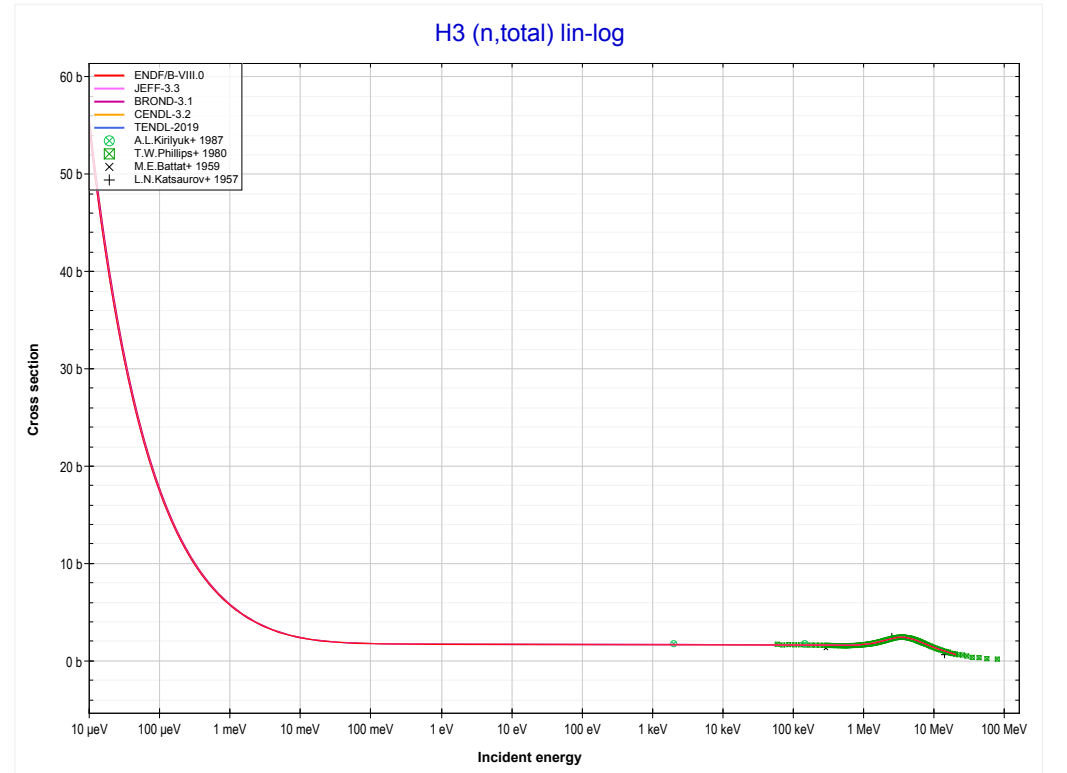
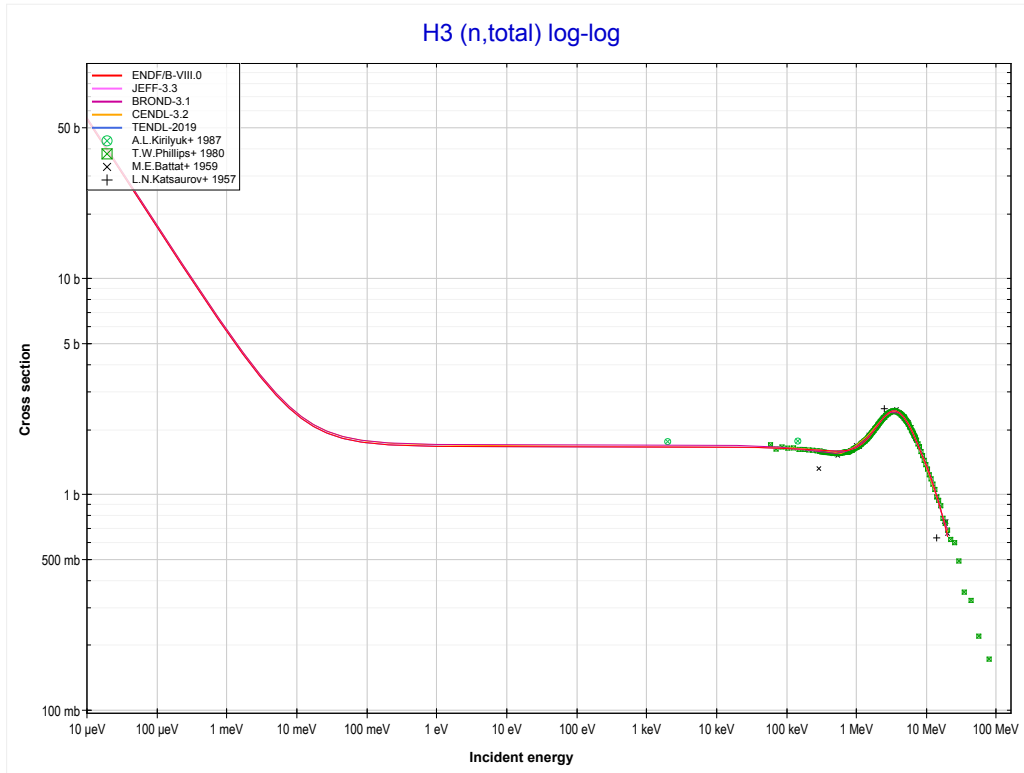
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00566228 b | 0.174788 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00579315 b | 0.166424 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00677638 b | 0.166 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00564102 b | 0.177229 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00579675 b | 0.171926 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00570156 b | 0.16973 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00579317 b | 0.166424 b |

| | | |
|----------------|---|------------------------|
| << 1-H-1 | 1-H-2 | 2-He-3 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (H3 production) | 1-H-3 MT1 (n,total) >> |



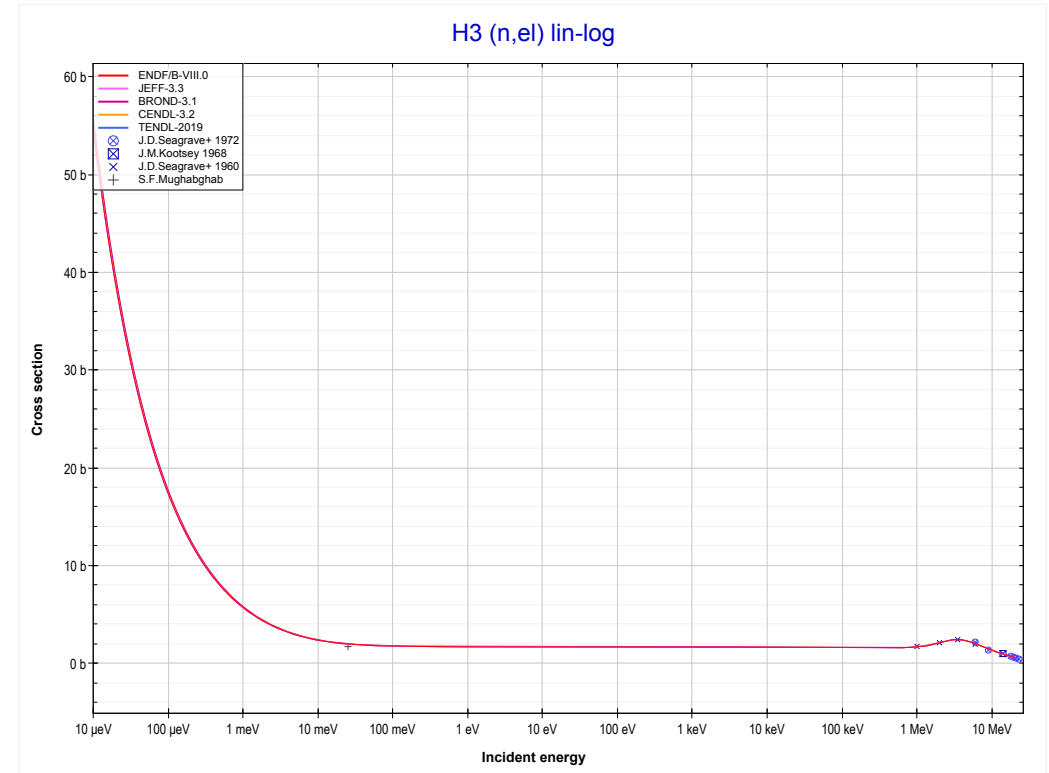
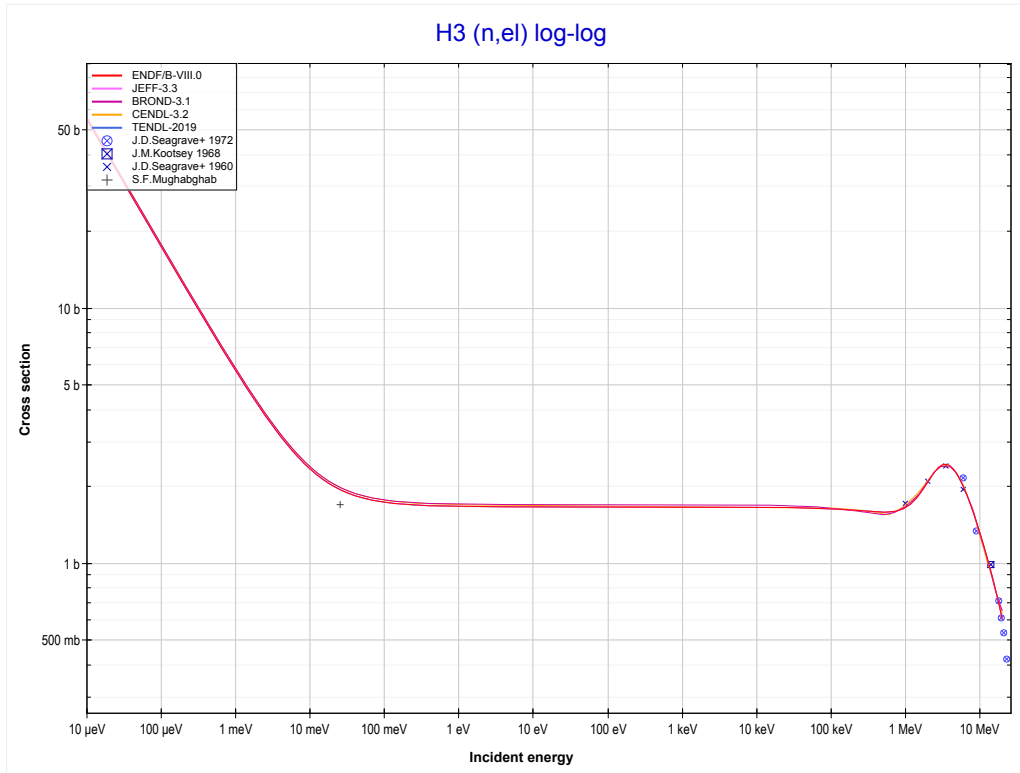
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.05737E-4 b | 5.0537E-4 b | 5.054E-4 b | 1.00008 | 2.28835E-4 b | 7.0164E-6 b | 9.5E-6 b |
| ENDF/B-VIII.0 | 5.05866E-4 b | 5.05866E-4 b | 5.0598E-4 b | 1.00022 | 2.28792E-4 b | 7.01639E-6 b | 9.5E-6 b |
| JEFF-3.3 | 5.04335E-4 b | 5.04335E-4 b | 5.0453E-4 b | 1.00038 | 2.28766E-4 b | 7.01406E-6 b | 9.5E-6 b |
| JENDL-4.0u | 5.50191E-4 b | 5.50191E-4 b | 5.5038E-4 b | 1.00034 | 2.5137E-4 b | 7.02222E-6 b | 9.52062E-6 b |
| BROND-3.1 | 5.33904E-4 b | 5.33904E-4 b | 5.3483E-4 b | 1.00173 | 2.41993E-4 b | 7.0164E-6 b | 9.5E-6 b |
| CENDL-3.2 | 5.05702E-4 b | 5.05702E-4 b | 5.0567E-4 b | 0.99993 | 2.28286E-4 b | 6.95118E-6 b | 9.5E-6 b |
| TENDL-2019 | 5.05702E-4 b | 5.05702E-4 b | 5.0567E-4 b | 0.99993 | 2.28286E-4 b | 7.0127E-6 b | 9.5E-6 b |

| | | |
|-------------------------------|----------------------|--------------------|
| << 1-H-2 | 1-H-3 | 2-He-3 >> |
| << 1-H-2 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



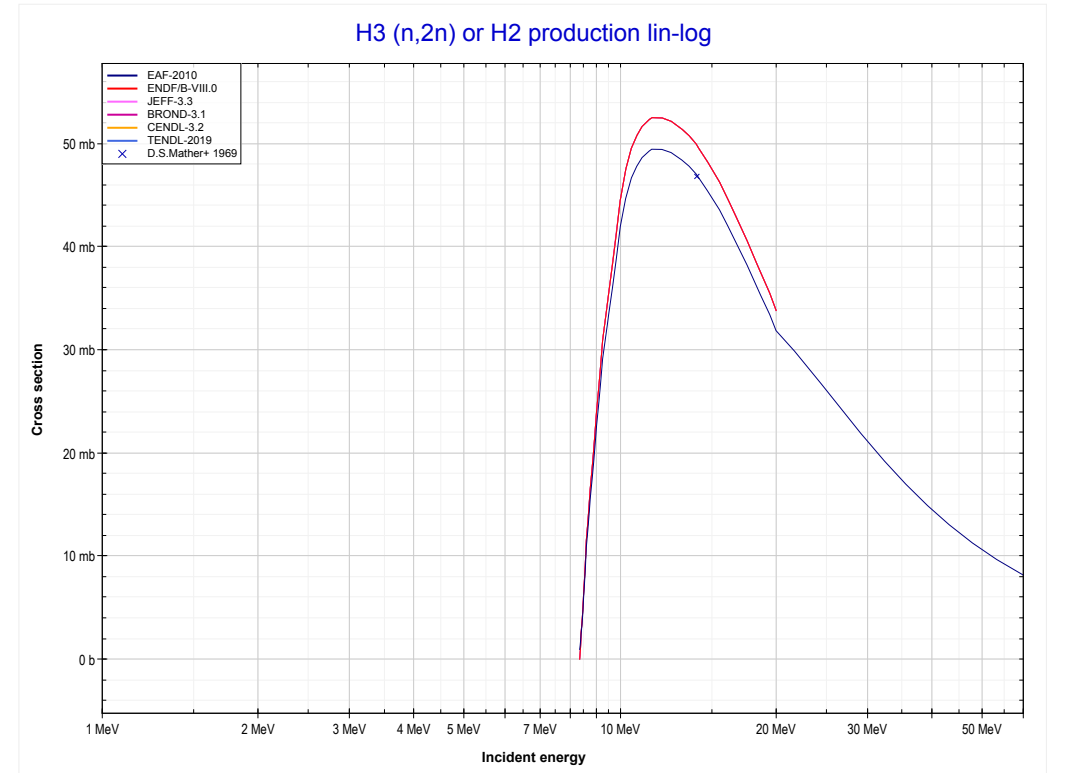
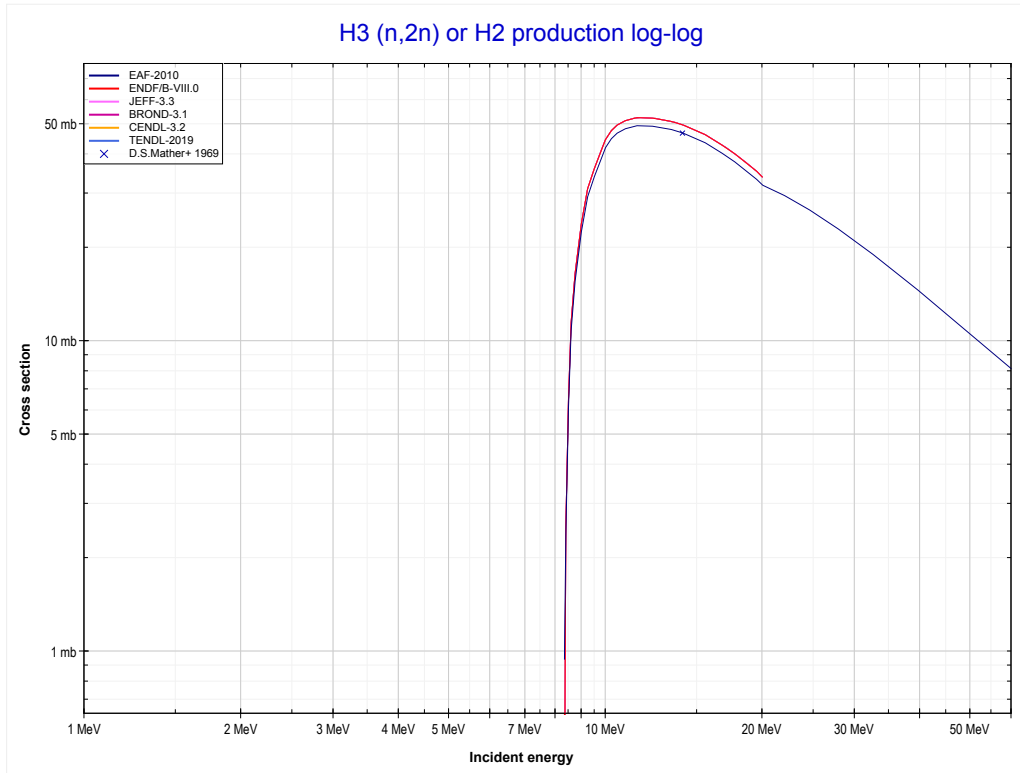
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.94256 b | 1.94256 b | 2.171 b | 1.11758 | 20.3086 b | 1.9368 b | 0.99031 b |
| JEFF-3.3 | 1.94256 b | 1.94256 b | 2.171 b | 1.11758 | 20.3086 b | 1.9368 b | 0.99031 b |
| BROND-3.1 | 1.98346 b | 1.98346 b | 2.2167 b | 1.11758 | 20.7135 b | 1.93494 b | 0.9835 b |
| CENDL-3.2 | 1.98207 b | 1.98207 b | 2.2136 b | 1.1168 | 20.4631 b | 1.95213 b | 0.975 b |
| TENDL-2019 | 1.94255 b | 1.94255 b | 2.1703 b | 1.11726 | 20.3197 b | 1.93677 b | 0.99031 b |

| | | |
|------------------|------------------------|----------------|
| << 1-H-2 | 1-H-3 | 2-He-3 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



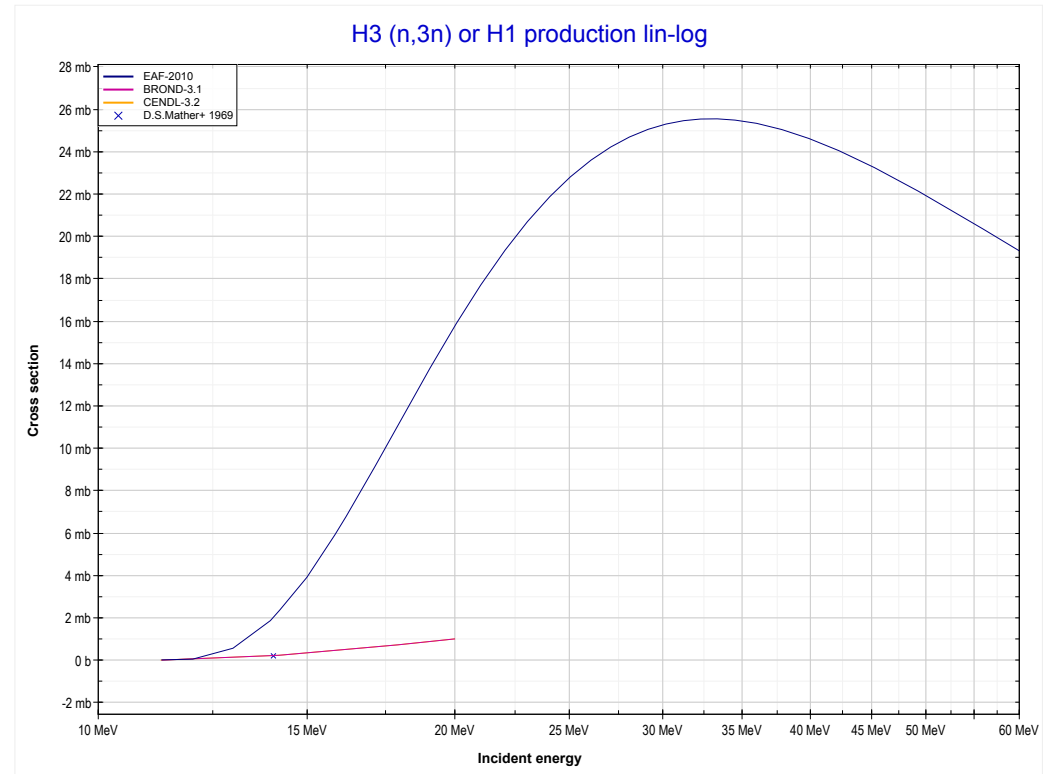
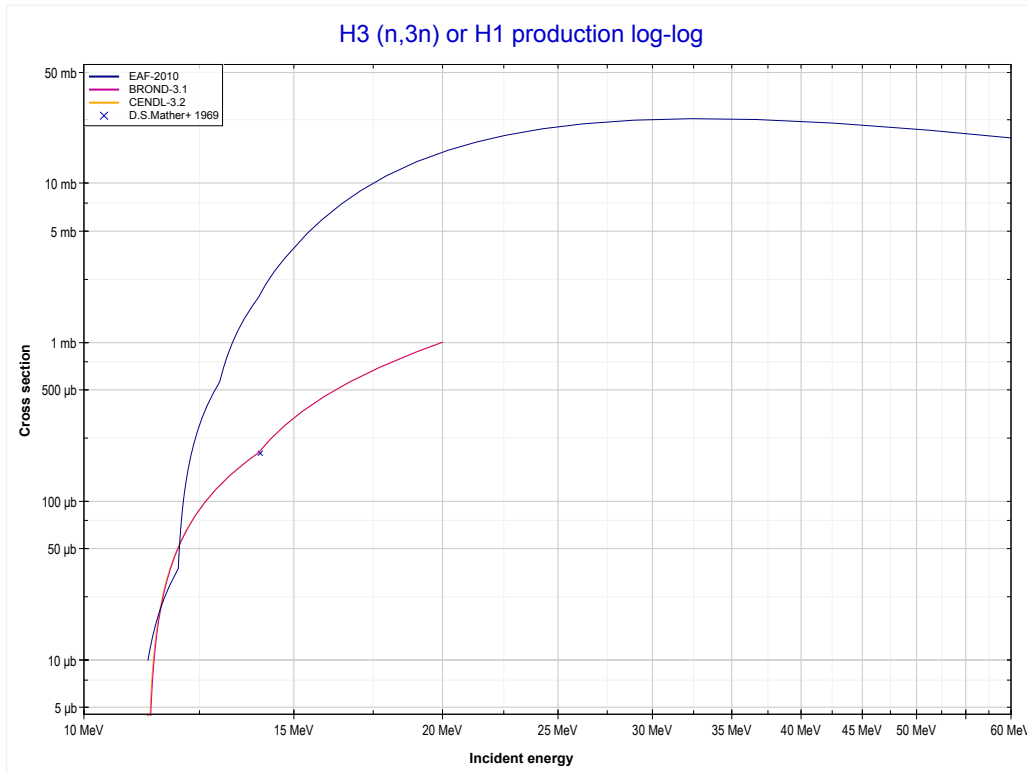
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.94256 b | 1.94256 b | 2.171 b | 1.11758 | 20.3086 b | 1.93661 b | 0.94031 b |
| JEFF-3.3 | 1.94256 b | 1.94256 b | 2.171 b | 1.11758 | 20.3086 b | 1.93661 b | 0.94031 b |
| BROND-3.1 | 1.98346 b | 1.98346 b | 2.2167 b | 1.11758 | 20.7135 b | 1.93475 b | 0.9333 b |
| CENDL-3.2 | 1.98207 b | 1.98207 b | 2.2136 b | 1.1168 | 20.4631 b | 1.95193 b | 0.925 b |
| TENDL-2019 | 1.94255 b | 1.94255 b | 2.1703 b | 1.11726 | 20.3197 b | 1.93658 b | 0.94031 b |

| | | |
|--------------------|---|----------------|
| << 1-H-2 | 1-H-3 | 3-Li-6 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (H2 production) | MT17 (n,3n) >> |



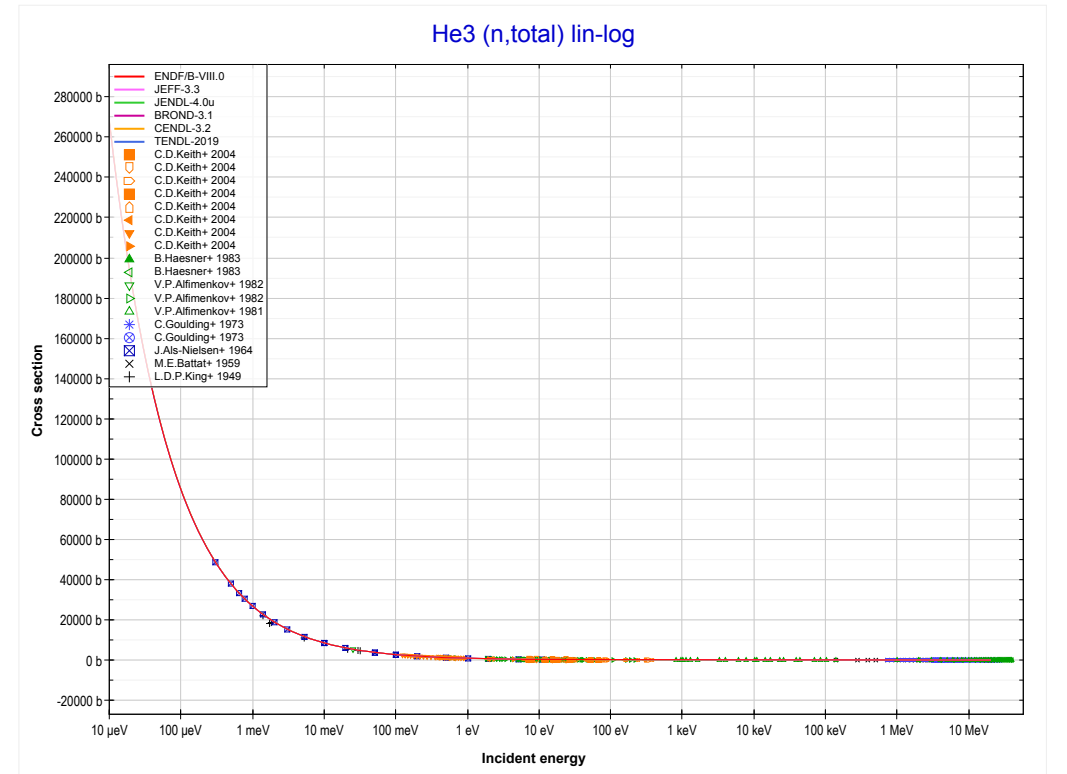
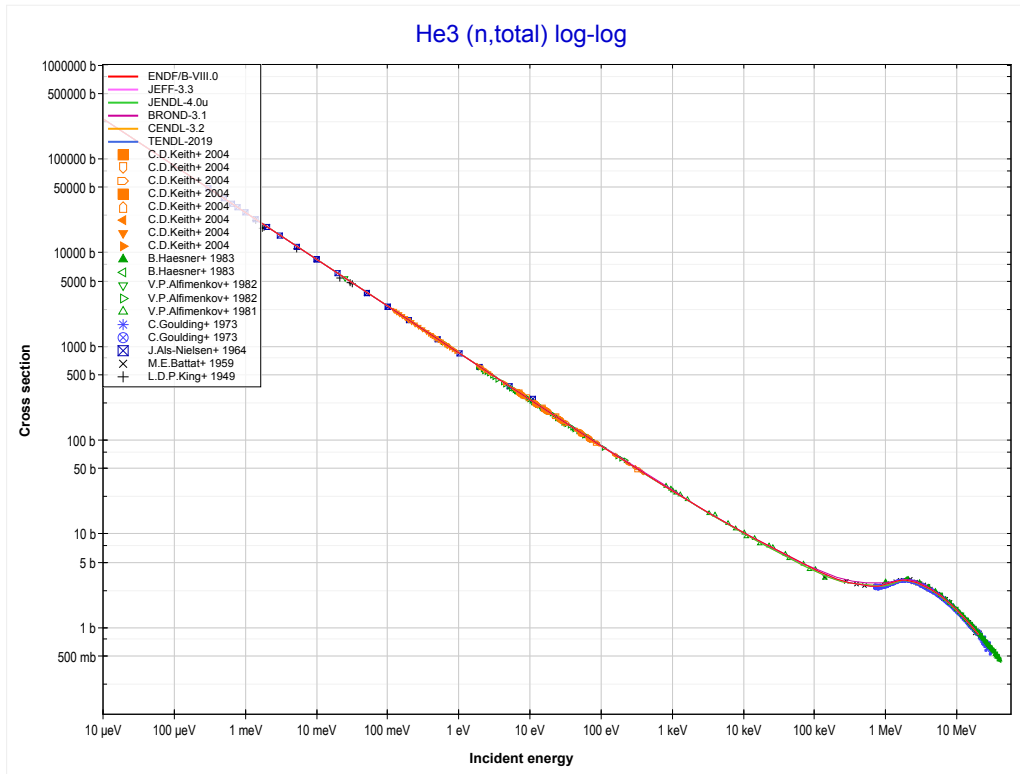
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.82422E-4 b | 0.0470825 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.936E-4 b | 0.05 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.936E-4 b | 0.05 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93779E-4 b | 0.05 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93567E-4 b | 0.05 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93601E-4 b | 0.05 b |

| | | |
|----------------|---|-------------------------|
| | 1-H-3 | 6-C-12 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (H1 production) | 2-He-3 MT1 (n,total) >> |



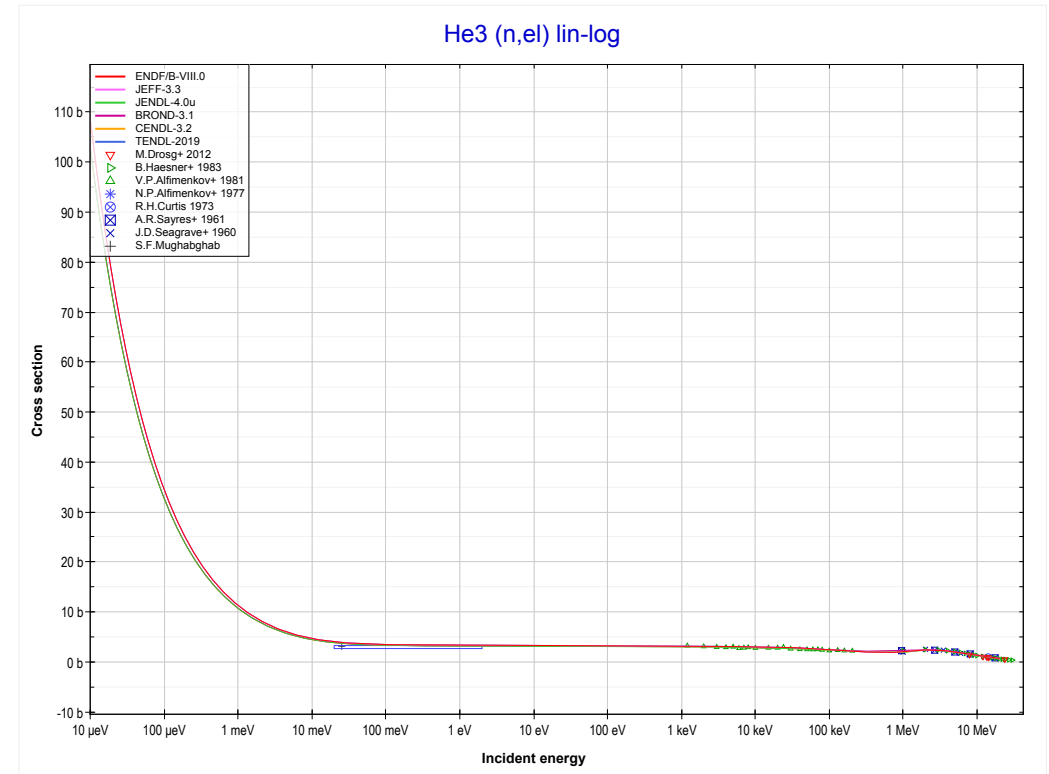
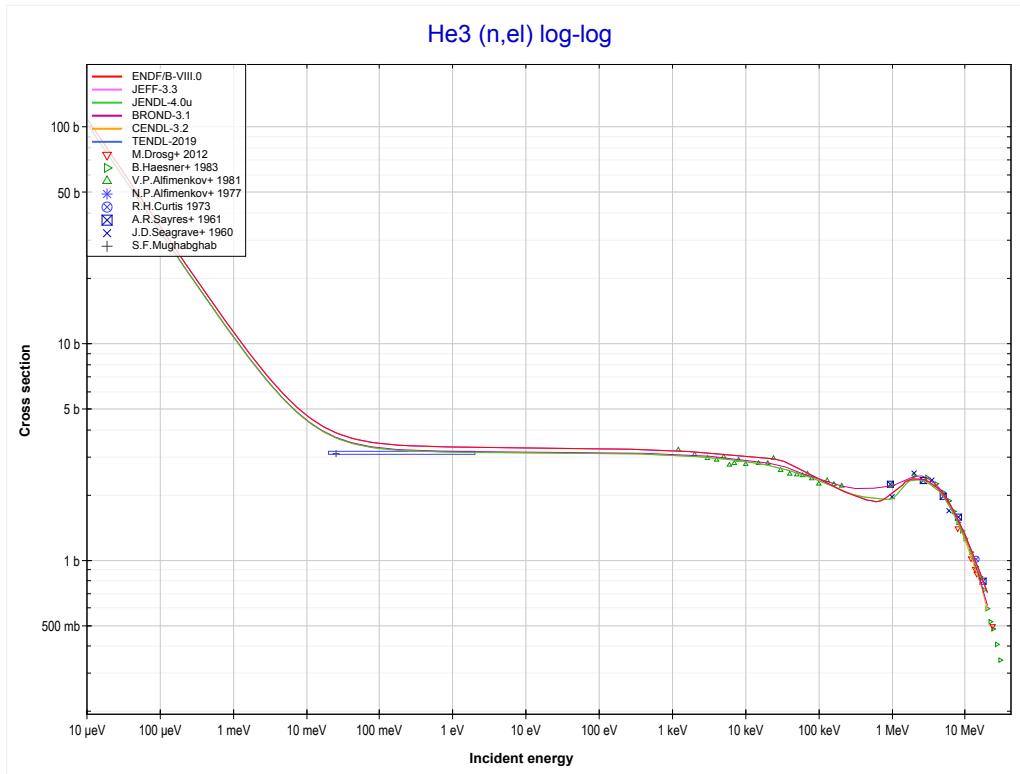
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77096E-7 b | 0.00189394 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.1343E-8 b | 2E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.19482E-8 b | 2E-4 b |

| | | |
|----------------------|----------------------|--------------------|
| << 1-H-3 | 2-He-3 | 2-He-4 >> |
| << 1-H-3 MT17 (n,3n) | MT1 (n,total) | MT2 (n,elastic) >> |



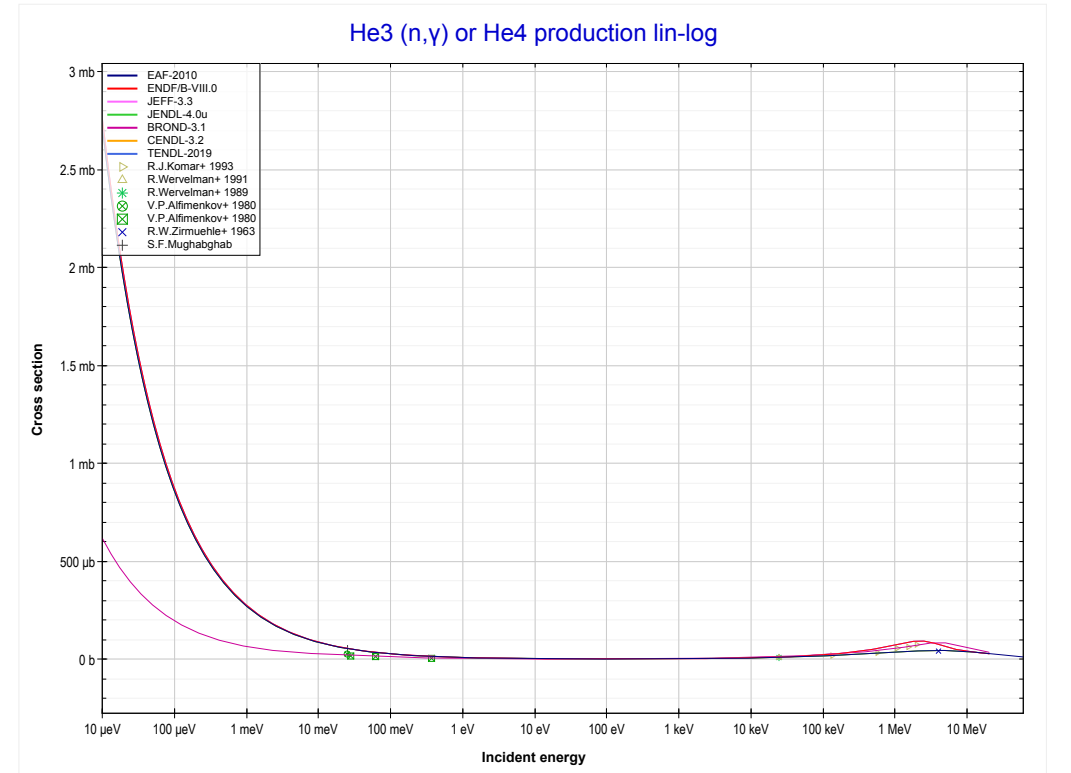
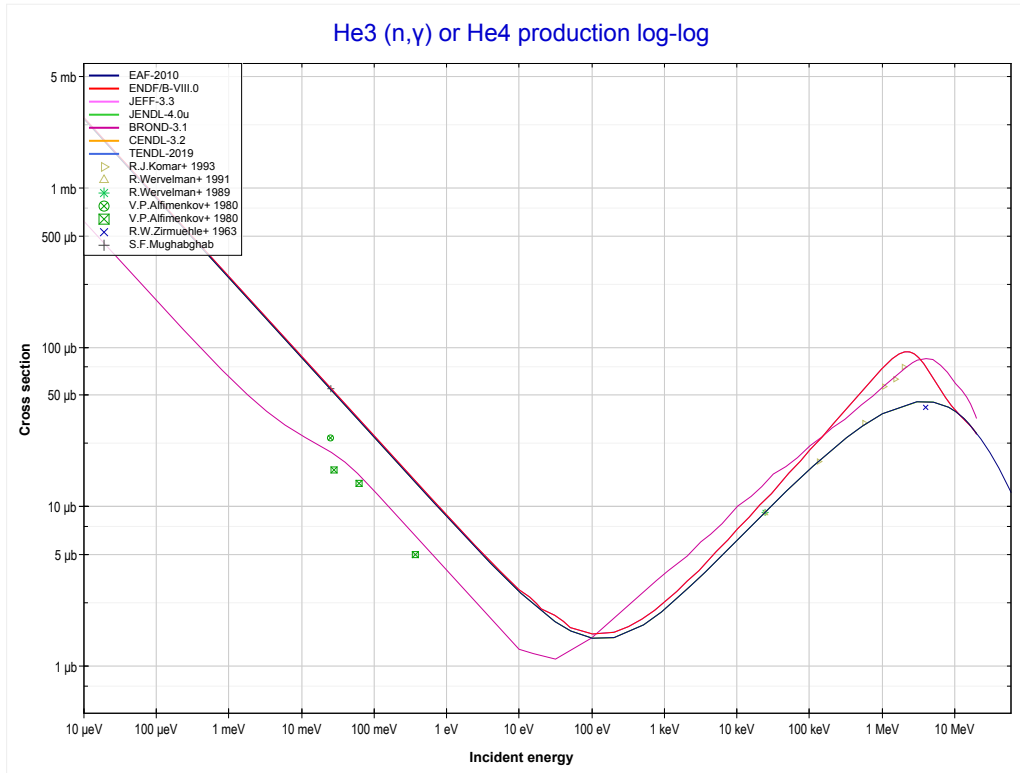
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5321.45 b | 5321.45 b | 5323.5 b | 1.00039 | 2418.72 b | 2.96607 b | 1.17003 b |
| JEFF-3.3 | 5321.45 b | 5321.45 b | 5323.5 b | 1.00039 | 2418.72 b | 2.96607 b | 1.17003 b |
| JENDL-4.0u | 5333.26 b | 5333.26 b | 5335.3 b | 1.00038 | 2418.99 b | 2.93864 b | 1.16821 b |
| BROND-3.1 | 5338.55 b | 5338.55 b | 5340.8 b | 1.00042 | 2432.28 b | 3.06514 b | 1.15872 b |
| CENDL-3.2 | 5351.27 b | 5351.27 b | 5351.6 b | 1.00007 | 2422.5 b | 2.93868 b | 1.16821 b |
| TENDL-2019 | 5319.95 b | 5319.95 b | 5320.6 b | 1.00012 | 2413.27 b | 2.966 b | 1.17003 b |

| | | |
|------------------|------------------------|-------------------------|
| << 1-H-3 | 2-He-3 | 2-He-4 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



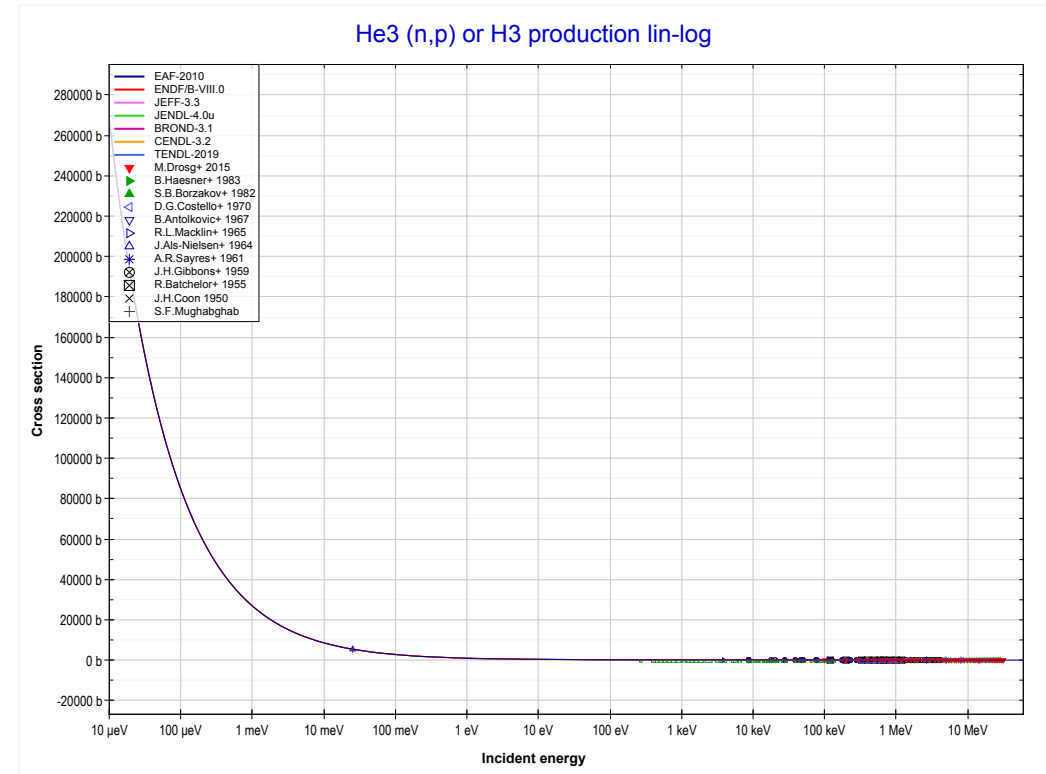
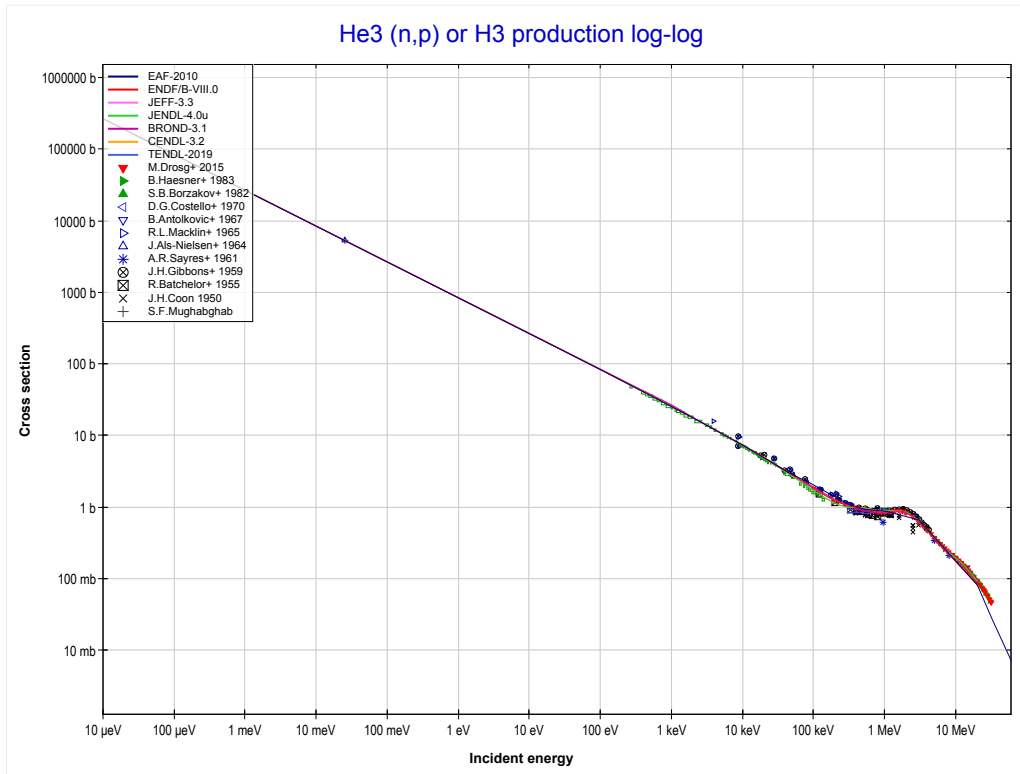
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.86211 b | 3.86211 b | 4.3152 b | 1.11731 | 38.5422 b | 2.14879 b | 0.9719 b |
| JEFF-3.3 | 3.86191 b | 3.86191 b | 4.315 b | 1.11732 | 38.5422 b | 2.14879 b | 0.9719 b |
| JENDL-4.0u | 3.65716 b | 3.65716 b | 4.0861 b | 1.11729 | 36.5738 b | 2.11503 b | 0.954436 b |
| BROND-3.1 | 3.68334 b | 3.68334 b | 4.1158 b | 1.11741 | 36.967 b | 2.25971 b | 0.93 b |
| CENDL-3.2 | 3.65716 b | 3.65716 b | 4.0859 b | 1.11723 | 36.5908 b | 2.11472 b | 0.89451 b |
| TENDL-2019 | 3.86211 b | 3.86211 b | 4.315 b | 1.11726 | 38.561 b | 2.14884 b | 0.9719 b |

| | | |
|--------------------|--|----------------|
| << 1-H-2 | 2-He-3 | 3-Li-6 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (He4 production) | MT103 (n,p) >> |



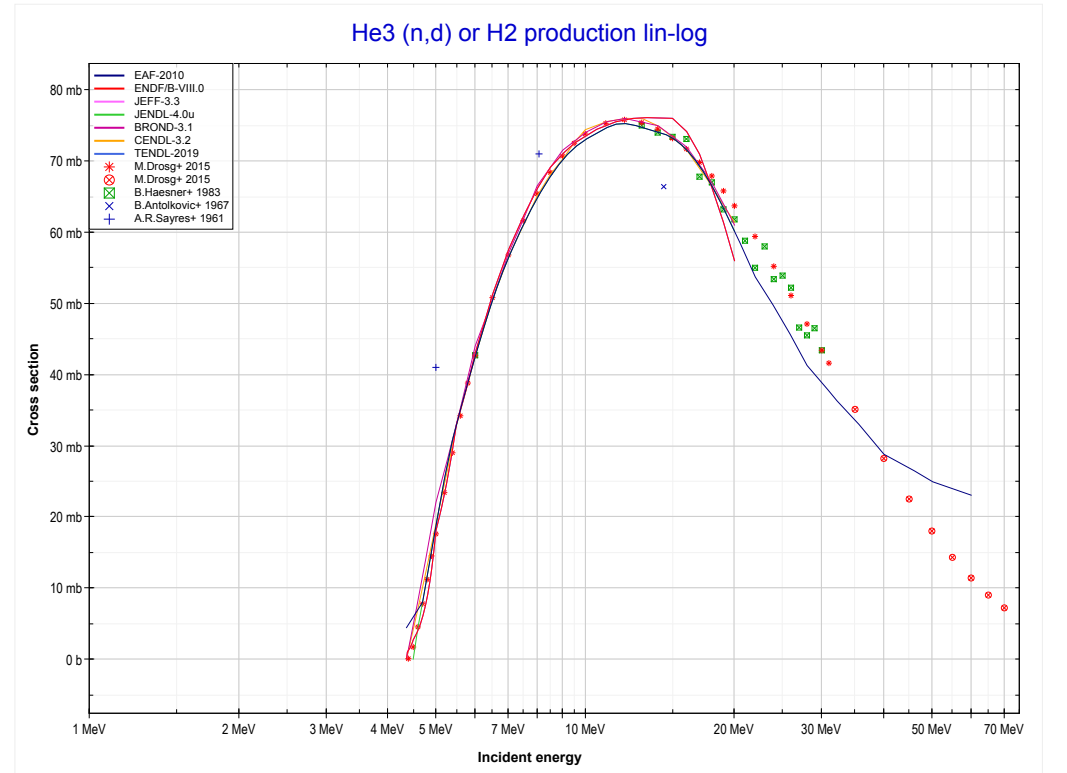
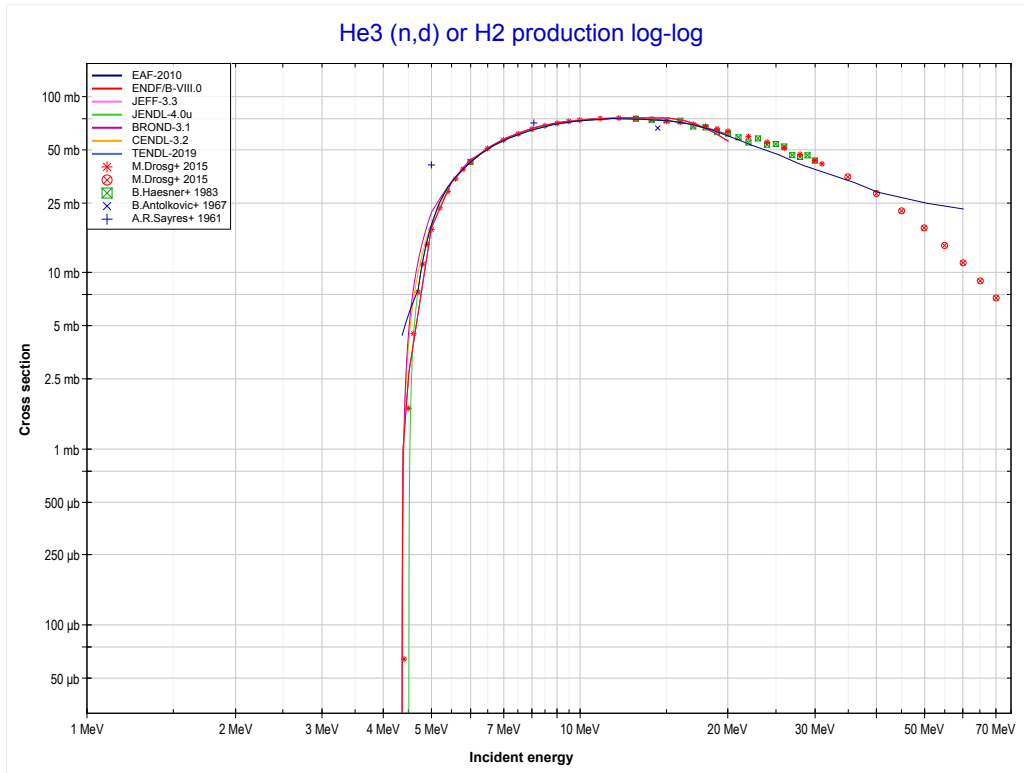
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.4015E-5 b | 5.39745E-5 b | 5.3986E-5 b | 1.00021 | 6.14737E-5 b | 3.90275E-5 b | 3.51834E-5 b |
| ENDF/B-VIII.0 | 5.50061E-5 b | 5.50061E-5 b | 5.5033E-5 b | 1.0005 | 6.93483E-5 b | 7.33468E-5 b | 3.48E-5 b |
| JEFF-3.3 | 5.50061E-5 b | 5.50061E-5 b | 5.5033E-5 b | 1.0005 | 6.93483E-5 b | 7.33468E-5 b | 3.48E-5 b |
| JENDL-4.0u | 5.40417E-5 b | 5.40417E-5 b | 5.4068E-5 b | 1.00049 | 6.15106E-5 b | 3.90282E-5 b | 3.51833E-5 b |
| BROND-3.1 | 2.2011E-5 b | 2.2011E-5 b | 2.1675E-5 b | 0.98474 | 6.80582E-5 b | 6.3803E-5 b | 5.04E-5 b |
| CENDL-3.2 | 5.40228E-5 b | 5.40228E-5 b | 5.4034E-5 b | 1.00021 | 6.1451E-5 b | 3.90101E-5 b | 3.51835E-5 b |
| TENDL-2019 | 5.49869E-5 b | 5.49869E-5 b | 5.4999E-5 b | 1.00021 | 6.92763E-5 b | 7.33246E-5 b | 3.48E-5 b |

| | | |
|-------------------------|---|----------------|
| | 2-He-3 | 3-Li-6 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (H3 production) | MT104 (n,d) >> |



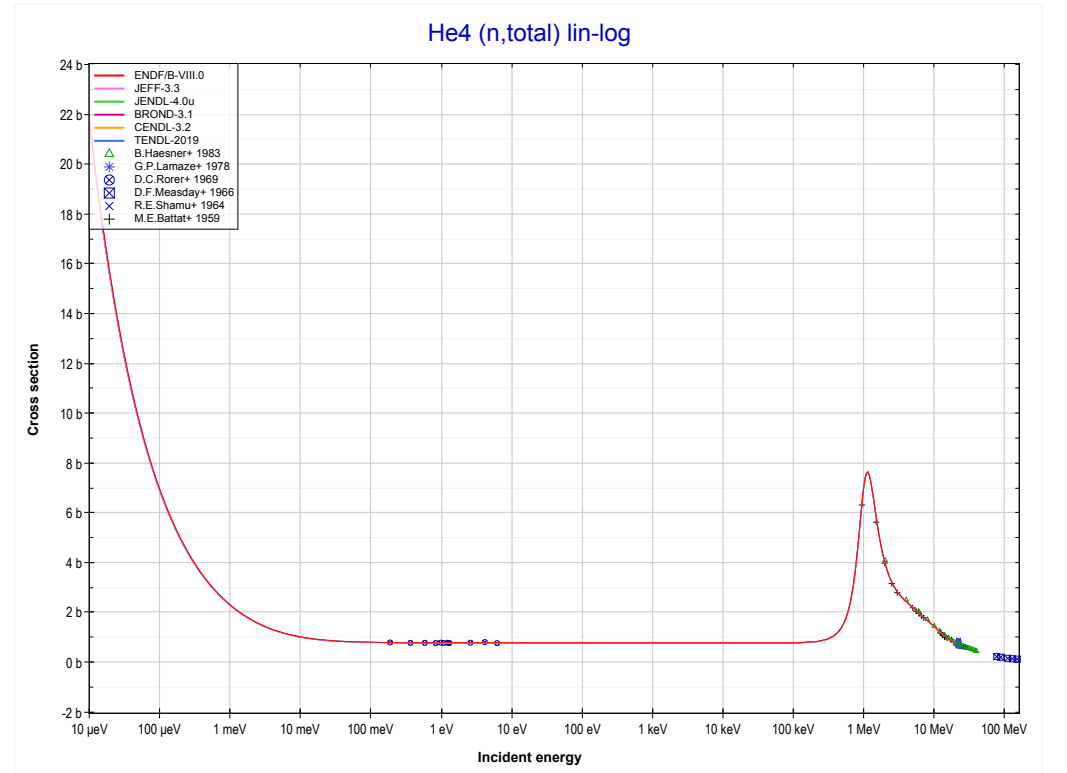
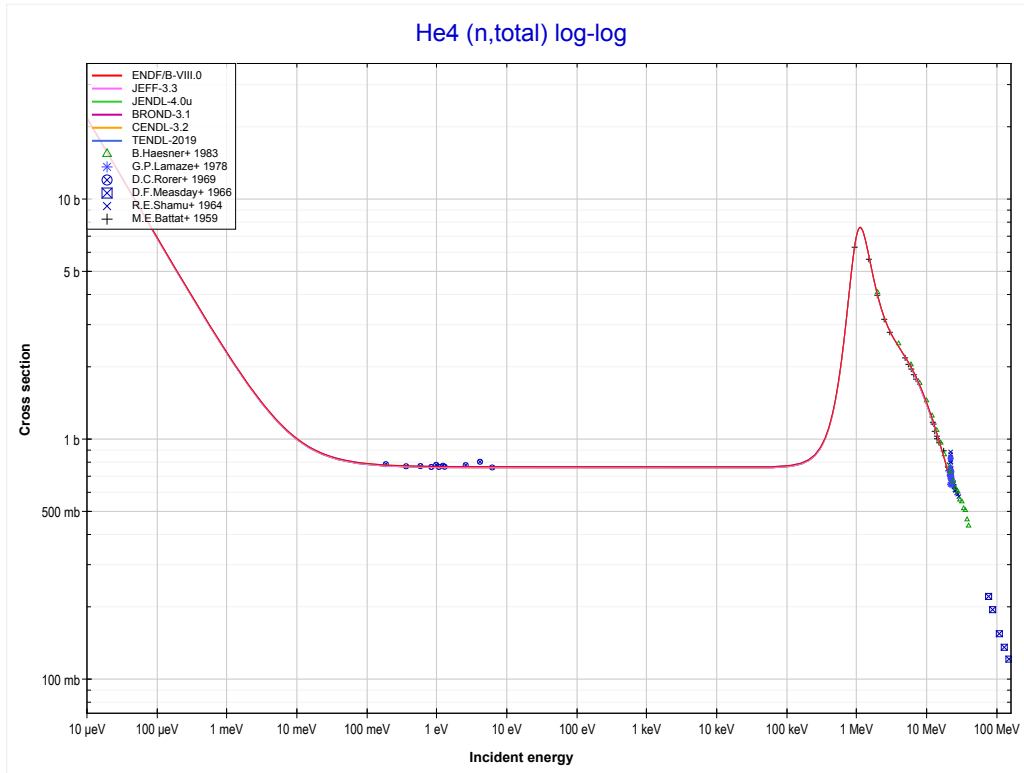
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 5316 b | 5312.01 b | 5312 b | 1 | 2372.23 b | 0.805892 b | 0.120789 b |
| ENDF/B-VIII.0 | 5317.59 b | 5317.59 b | 5319.2 b | 1.00031 | 2380.17 b | 0.814336 b | 0.122 b |
| JEFF-3.3 | 5317.59 b | 5317.59 b | 5319.2 b | 1.00031 | 2380.17 b | 0.814336 b | 0.122 b |
| JENDL-4.0u | 5329.6 b | 5329.6 b | 5331.2 b | 1.0003 | 2382.42 b | 0.82068 b | 0.139665 b |
| BROND-3.1 | 5334.87 b | 5334.87 b | 5336.7 b | 1.00034 | 2395.31 b | 0.802303 b | 0.136 b |
| CENDL-3.2 | 5327.74 b | 5327.74 b | 5327.8 b | 1.00002 | 2377.29 b | 0.820704 b | 0.139665 b |
| TENDL-2019 | 5315.73 b | 5315.73 b | 5315.8 b | 1.00002 | 2372.77 b | 0.81424 b | 0.122 b |

| | | |
|-----------------------------|---|--------------------------------------|
| | 2-He-3 | 3-Li-7 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (H2 production) | 2-He-4 MT1 (n,total) >> |



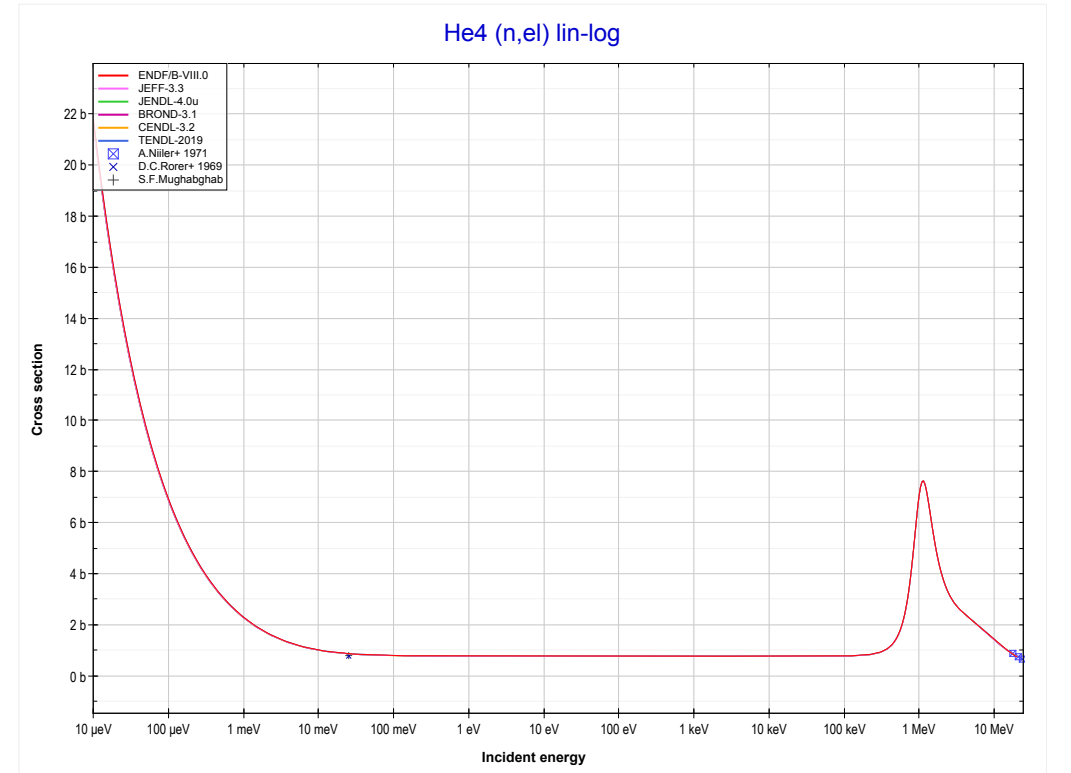
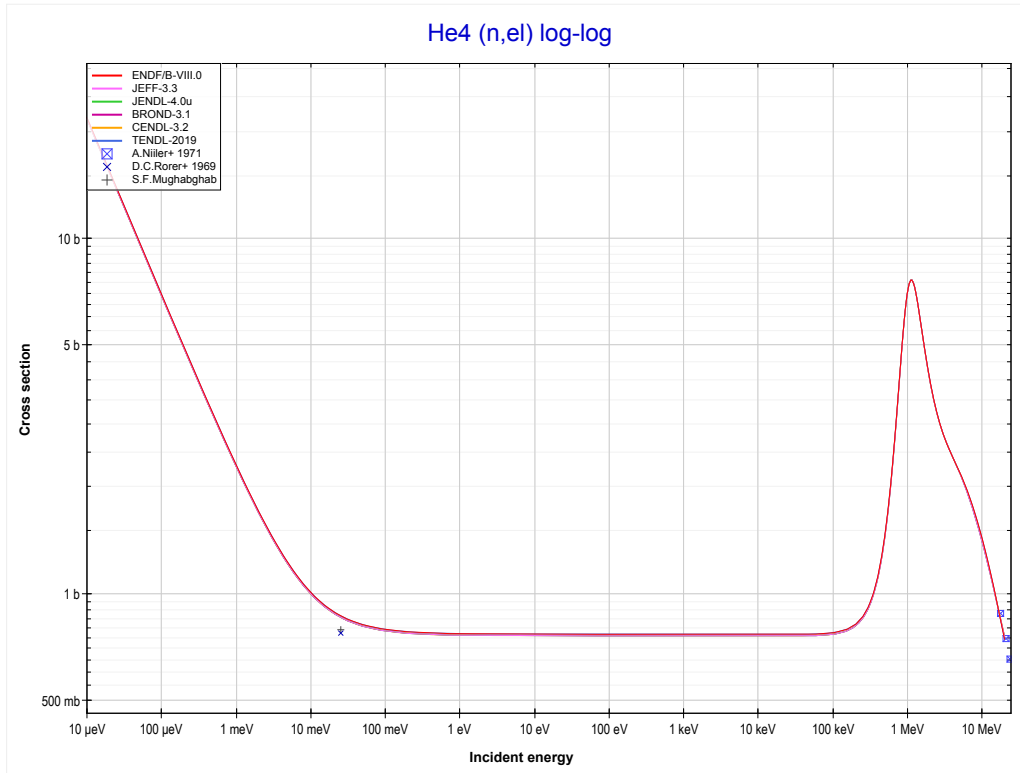
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00291221 b | 0.0740691 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00286503 b | 0.0761 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00286503 b | 0.0761 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0028849 b | 0.0740691 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00304051 b | 0.075 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0029398 b | 0.075 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00286308 b | 0.0761 b |

| | | |
|-----------------------|----------------------|--------------------|
| << 2-He-3 | 2-He-4 | 3-Li-Nat >> |
| << 2-He-3 MT104 (n,d) | MT1 (n,total) | MT2 (n,elastic) >> |



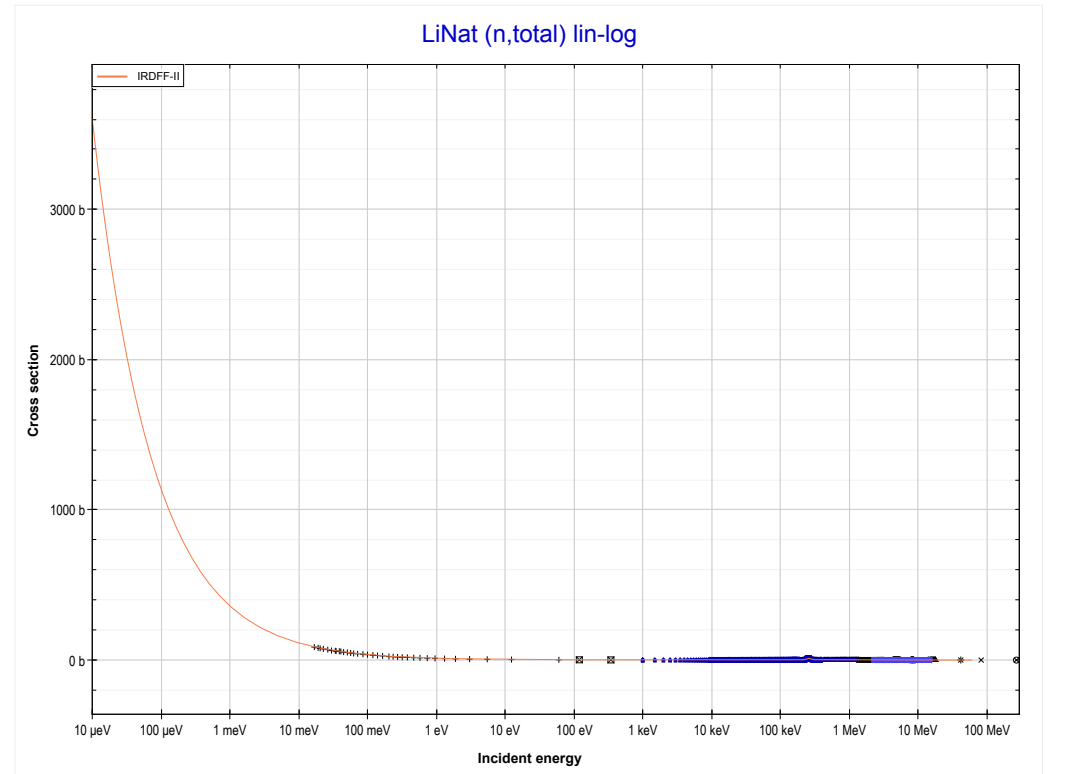
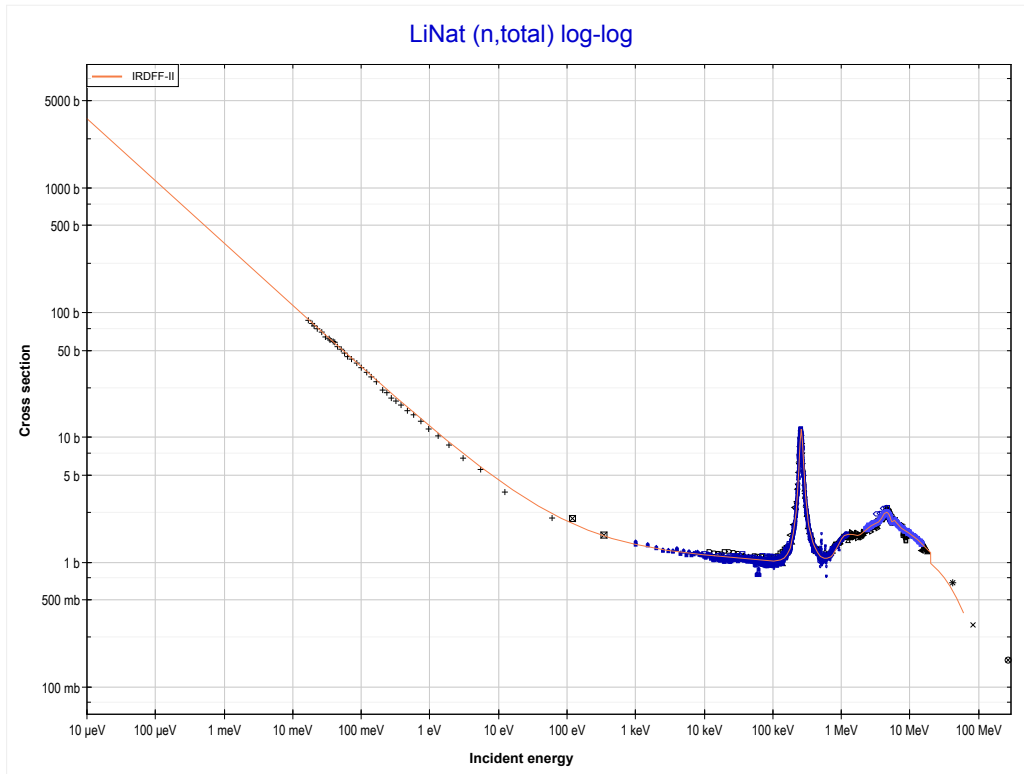
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.863539 b | 0.863539 b | 0.96866 b | 1.12173 | 9.36733 b | 3.6692 b | 1.06574 b |
| JEFF-3.3 | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| JENDL-4.0u | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| BROND-3.1 | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| CENDL-3.2 | 0.854742 b | 0.854742 b | 0.95856 b | 1.12146 | 9.27571 b | 3.65933 b | 1.0594 b |
| TENDL-2019 | 0.863539 b | 0.863539 b | 0.96843 b | 1.12146 | 9.37088 b | 3.67072 b | 1.06574 b |

| | | |
|------------------|------------------------|---------------------------|
| << 2-He-3 | 2-He-4 | 3-Li-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | 3-Li-Nat MT1 (n,total) >> |



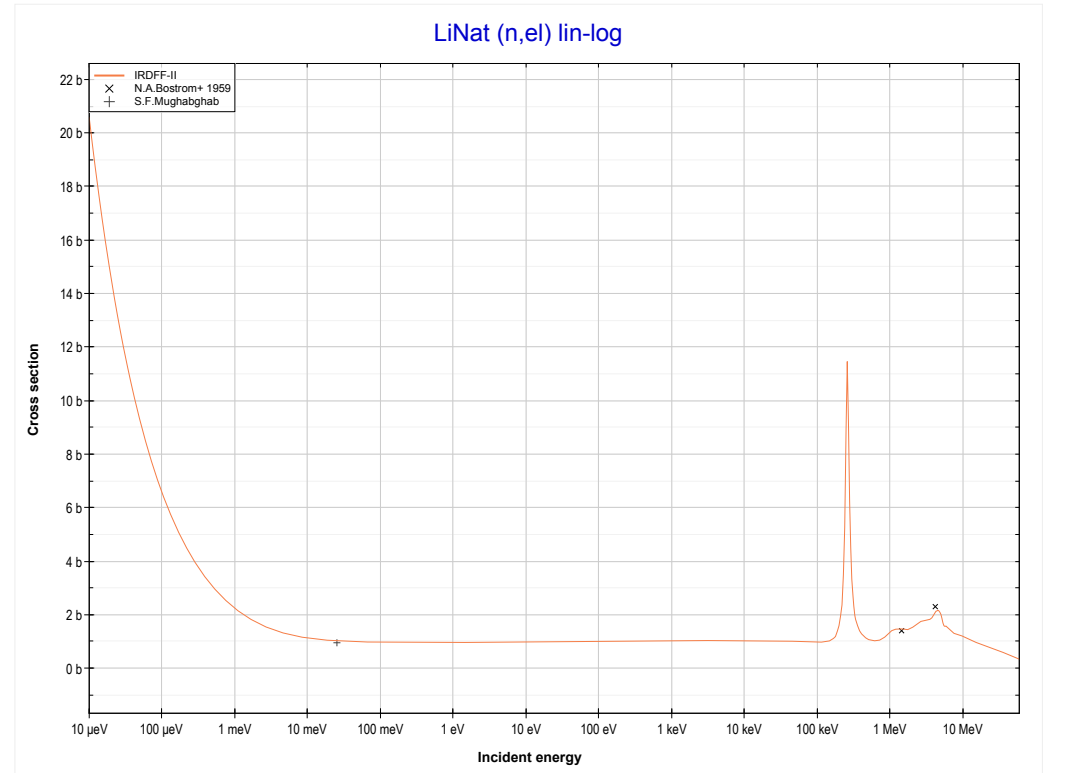
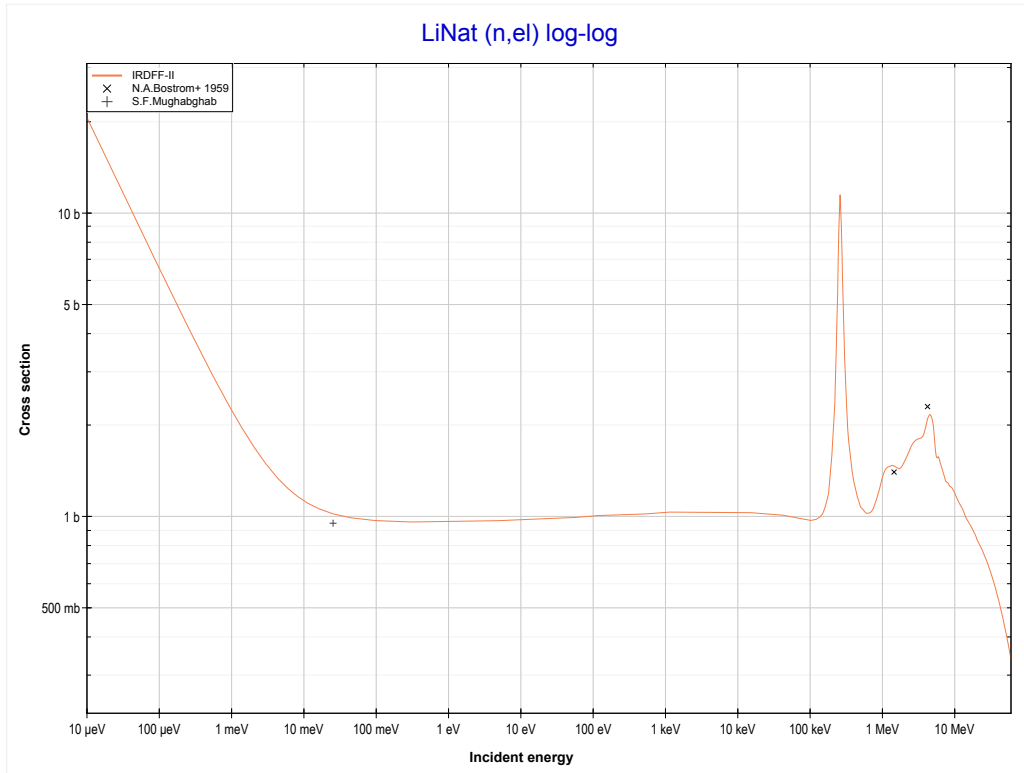
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.863539 b | 0.863539 b | 0.96866 b | 1.12173 | 9.36733 b | 3.6692 b | 1.06574 b |
| JEFF-3.3 | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| JENDL-4.0u | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| BROND-3.1 | 0.854854 b | 0.854854 b | 0.95892 b | 1.12173 | 9.27302 b | 3.65671 b | 1.0523 b |
| CENDL-3.2 | 0.854742 b | 0.854742 b | 0.95856 b | 1.12146 | 9.27571 b | 3.65933 b | 1.0594 b |
| TENDL-2019 | 0.863539 b | 0.863539 b | 0.96843 b | 1.12146 | 9.37088 b | 3.67072 b | 1.06574 b |

| | | |
|---------------------------|----------------------|--------------------|
| << 2-He-4 | 3-Li-Nat | 3-Li-6 >> |
| << 2-He-4 MT2 (n,elastic) | MT1 (n,total) | MT2 (n,elastic) >> |



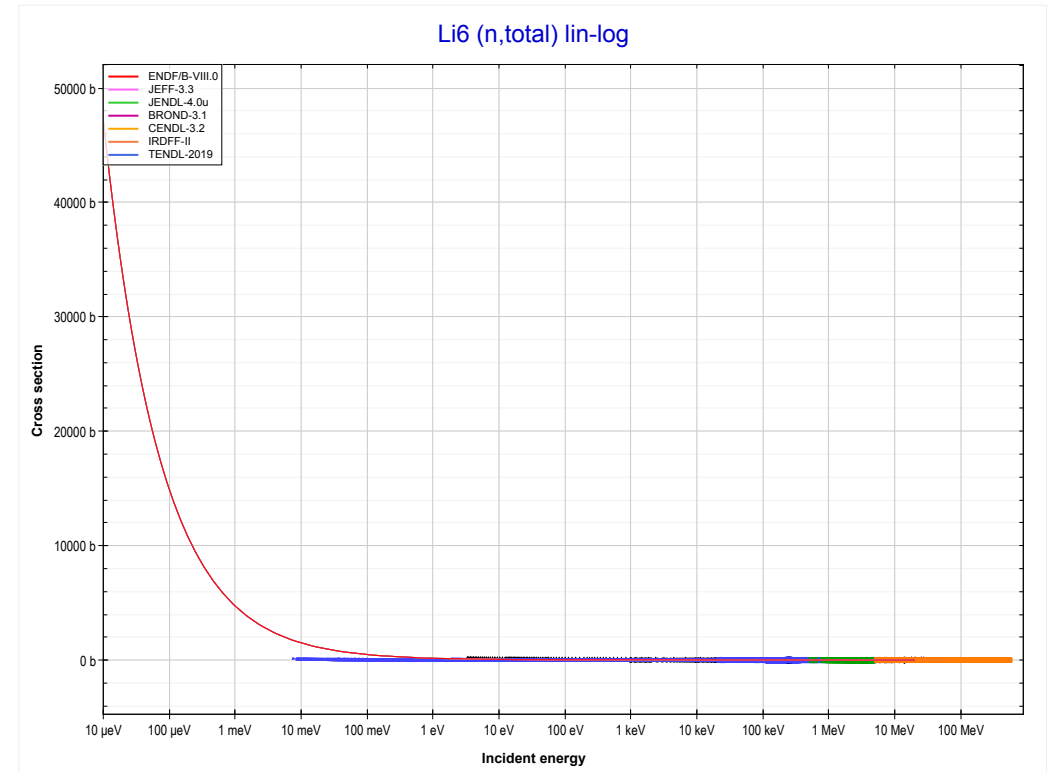
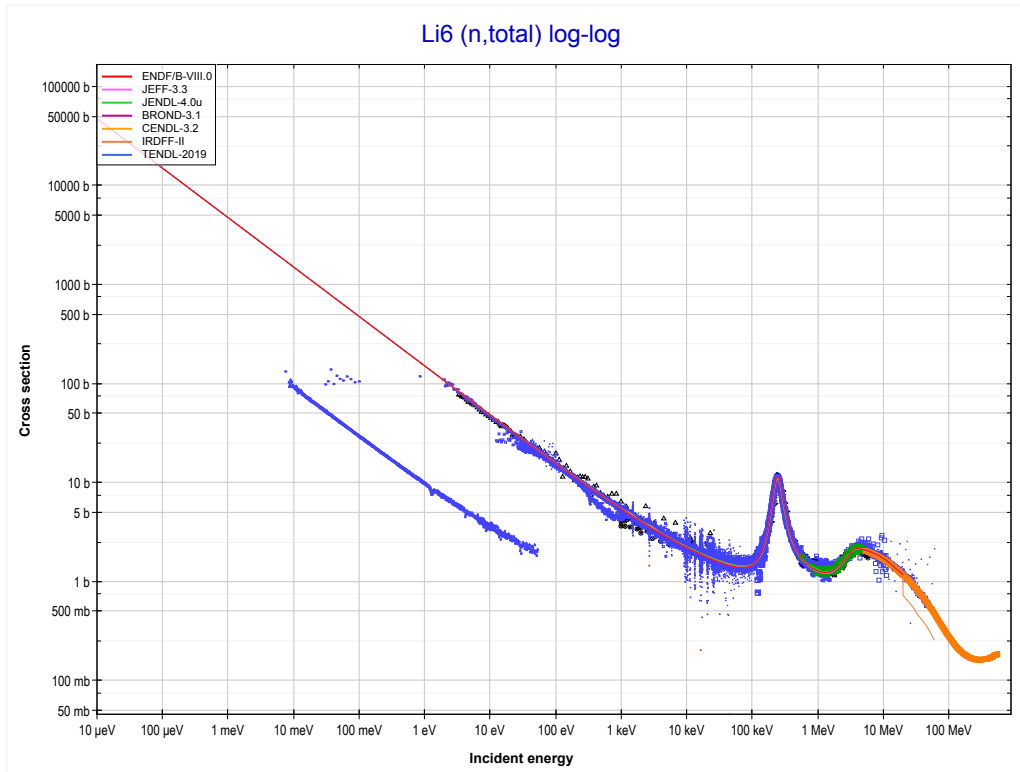
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 72.259 b | 72.259 b | 72.43 b | 1.00237 | 44.2096 b | 1.82743 b | 1.44221 b |

| | | |
|------------------|------------------------|-------------------------|
| << 2-He-4 | 3-Li-Nat | 3-Li-6 >> |
| << MT1 (n,total) | MT2 (n,elastic) | 3-Li-6 MT1 (n,total) >> |



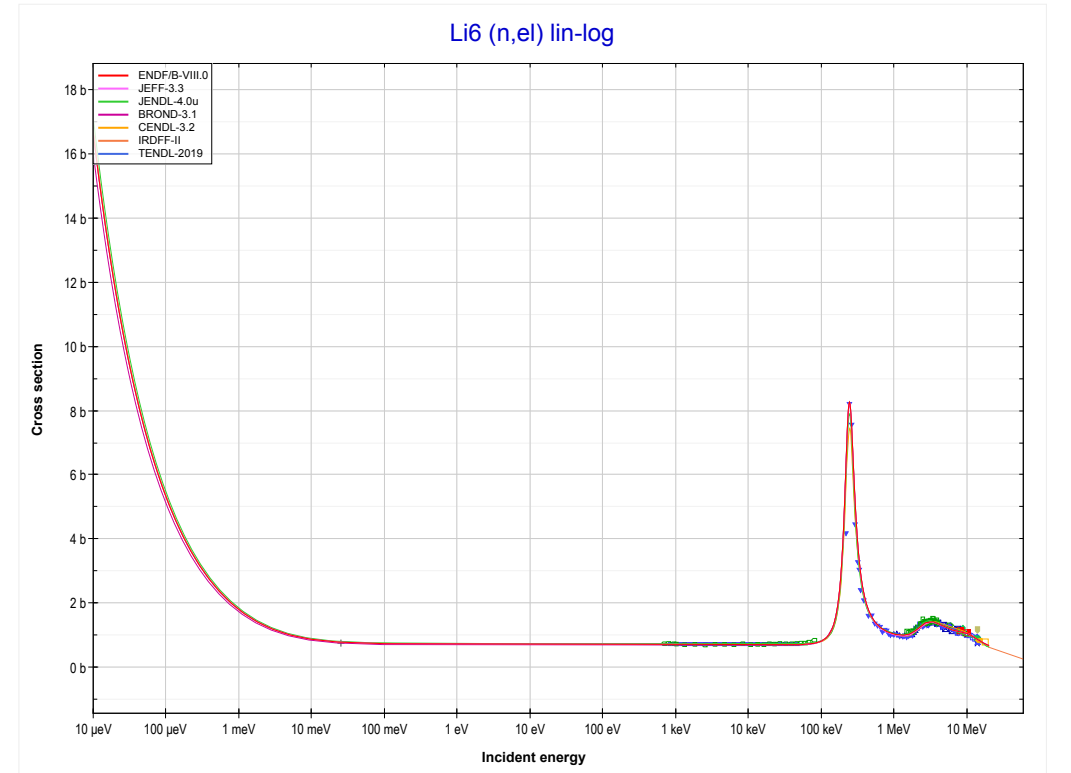
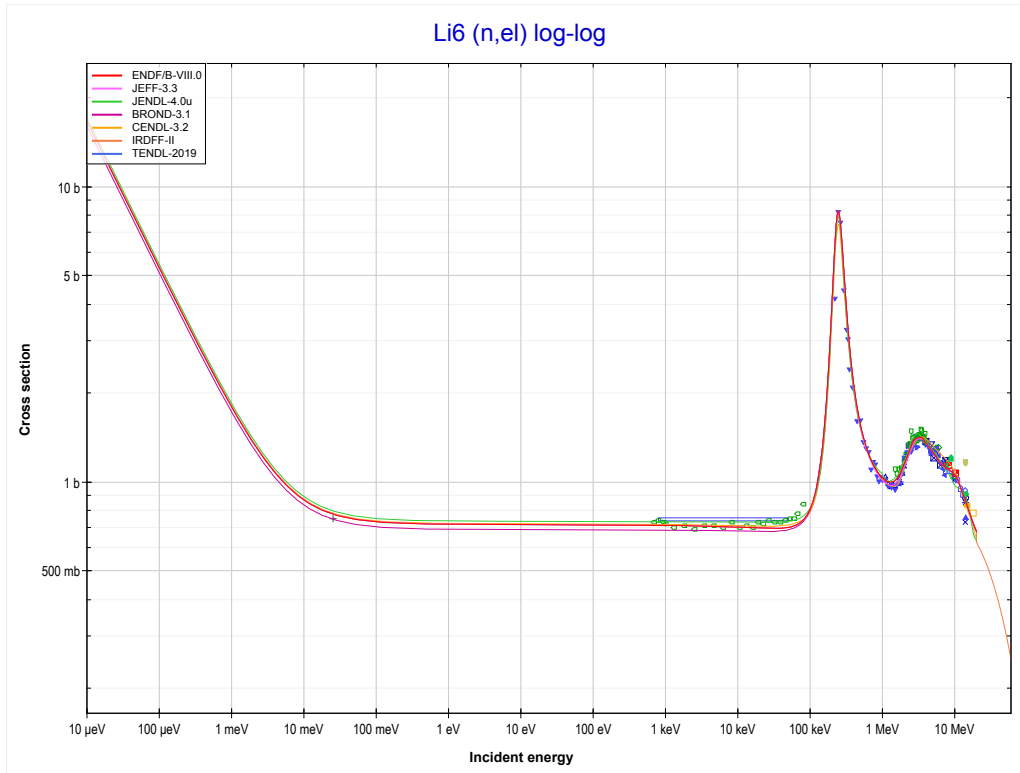
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 1.01976 b | 1.01976 b | 1.1488 b | 1.12657 | 12.2079 b | 1.62541 b | 0.999315 b |

| | | |
|-----------------------------|----------------------|--------------------|
| << 3-Li-Nat | 3-Li-6 | 3-Li-7 >> |
| << 3-Li-Nat MT2 (n,elastic) | MT1 (n,total) | MT2 (n,elastic) >> |



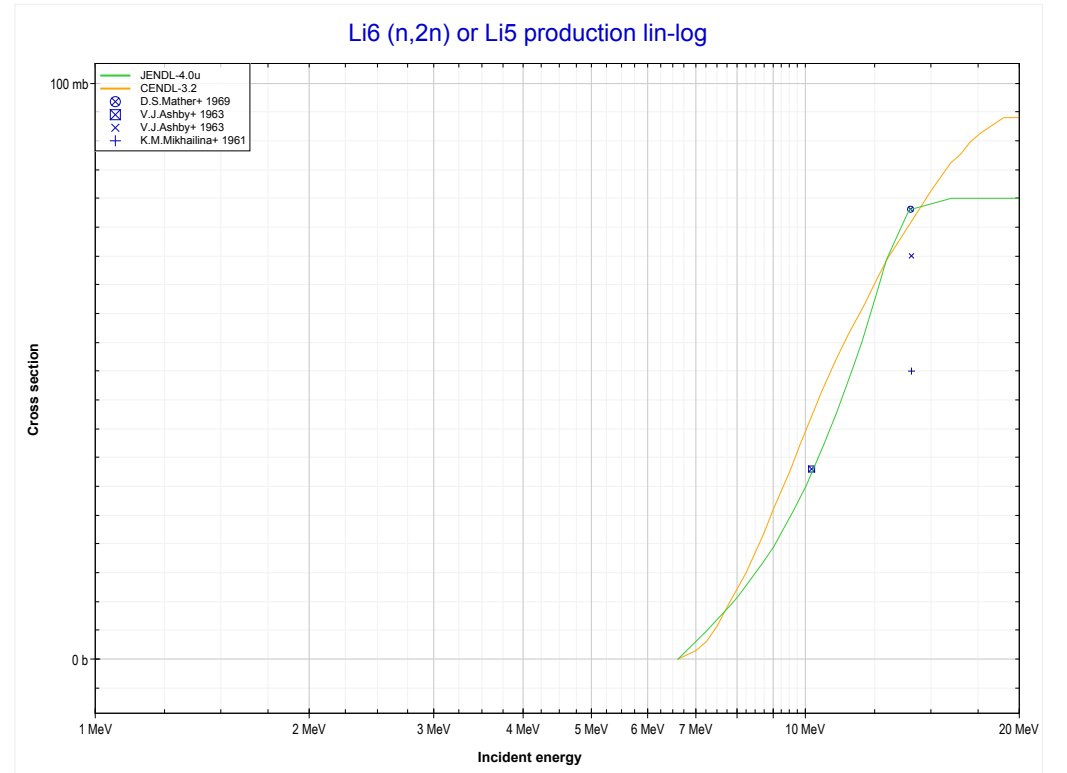
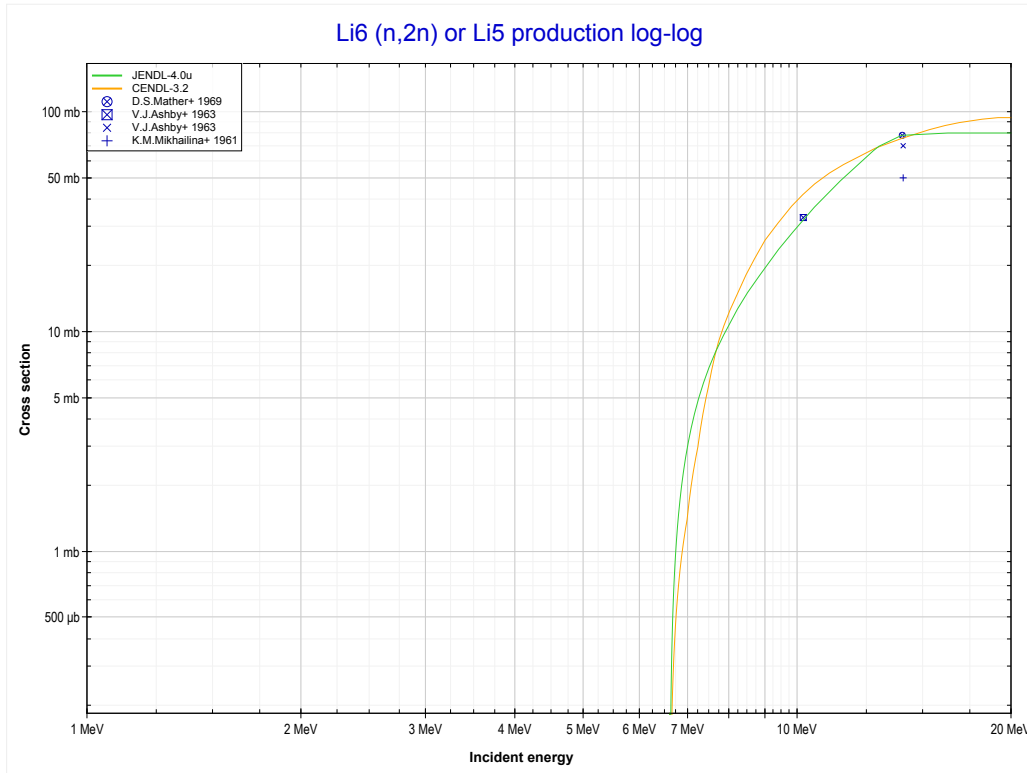
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 939.143 b | 939.143 b | 939.55 b | 1.00044 | 430.765 b | 1.93052 b | 1.449 b |
| JEFF-3.3 | 939.592 b | 939.592 b | 939.99 b | 1.00042 | 430.842 b | 1.9075 b | 1.449 b |
| JENDL-4.0u | 941.467 b | 941.467 b | 941.88 b | 1.00044 | 432.136 b | 1.91899 b | 1.43133 b |
| BROND-3.1 | 939.387 b | 939.387 b | 939.78 b | 1.00042 | 430.395 b | 1.91056 b | 1.44909 b |
| CENDL-3.2 | 940.886 b | 940.886 b | 941.05 b | 1.00018 | 431.571 b | 1.90801 b | 1.453 b |
| IRDFF-II | 938.818 b | 938.818 b | 939.47 b | 1.00069 | 430.09 b | 1.93077 b | 1.449 b |
| TENDL-2019 | 938.855 b | 938.855 b | 939 b | 1.00016 | 429.931 b | 1.93051 b | 1.449 b |

| | | |
|------------------|------------------------|----------------|
| << 3-Li-Nat | 3-Li-6 | 3-Li-7 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



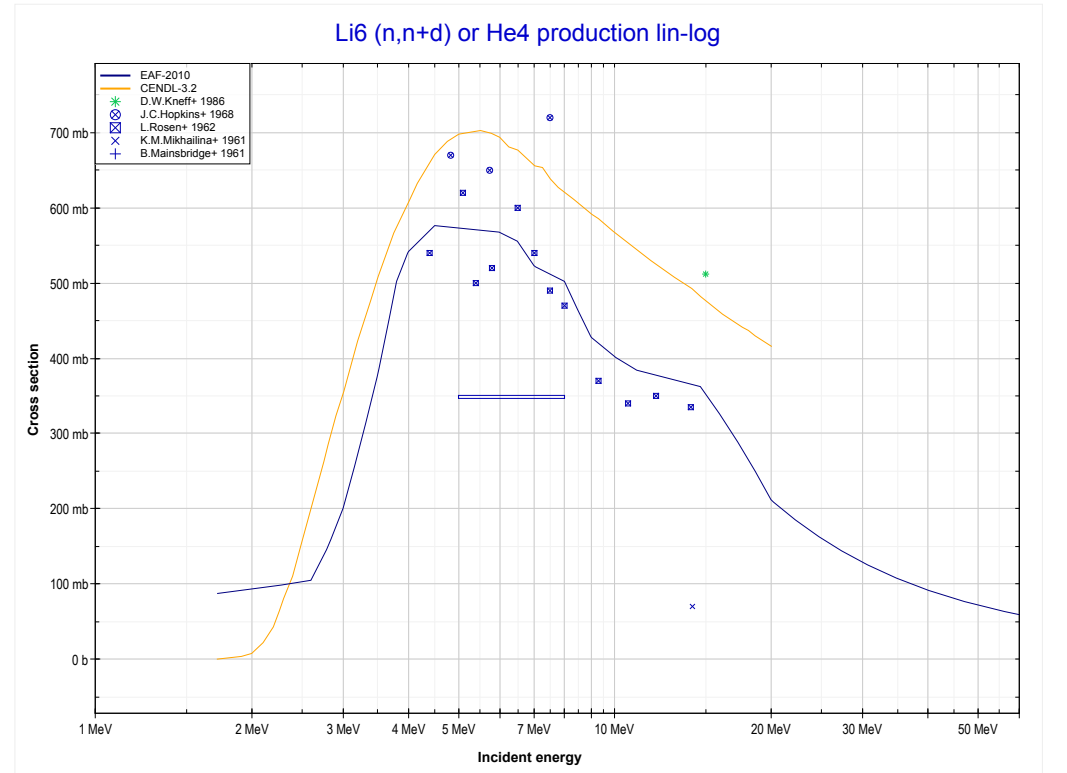
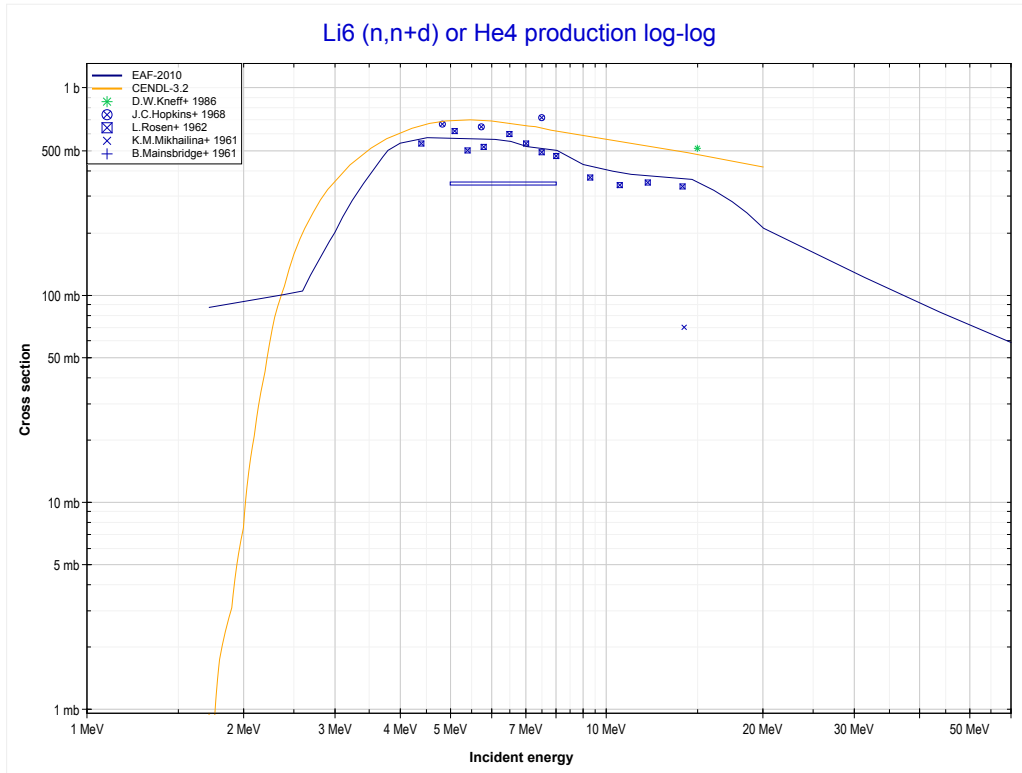
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.776643 b | 0.776643 b | 0.87377 b | 1.12506 | 8.70286 b | 1.43967 b | 0.86182 b |
| JEFF-3.3 | 0.777684 b | 0.777684 b | 0.87494 b | 1.12506 | 8.71065 b | 1.41784 b | 0.86182 b |
| JENDL-4.0u | 0.796681 b | 0.796681 b | 0.89645 b | 1.12523 | 8.97577 b | 1.43304 b | 0.906354 b |
| BROND-3.1 | 0.746528 b | 0.746528 b | 0.8399 b | 1.12507 | 8.40648 b | 1.42244 b | 0.861874 b |
| CENDL-3.2 | 0.781709 b | 0.781709 b | 0.87948 b | 1.12507 | 8.77708 b | 1.39974 b | 0.848 b |
| IRDFF-II | 0.776643 b | 0.776643 b | 0.87427 b | 1.1257 | 8.70802 b | 1.4399 b | 0.86182 b |
| TENDL-2019 | 0.776643 b | 0.776643 b | 0.87377 b | 1.12506 | 8.70744 b | 1.43991 b | 0.86182 b |

| | | |
|--------------------|--|-----------------|
| << 1-H-3 | 3-Li-6 | 3-Li-7 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Li5 production) | MT32 (n,n+d) >> |



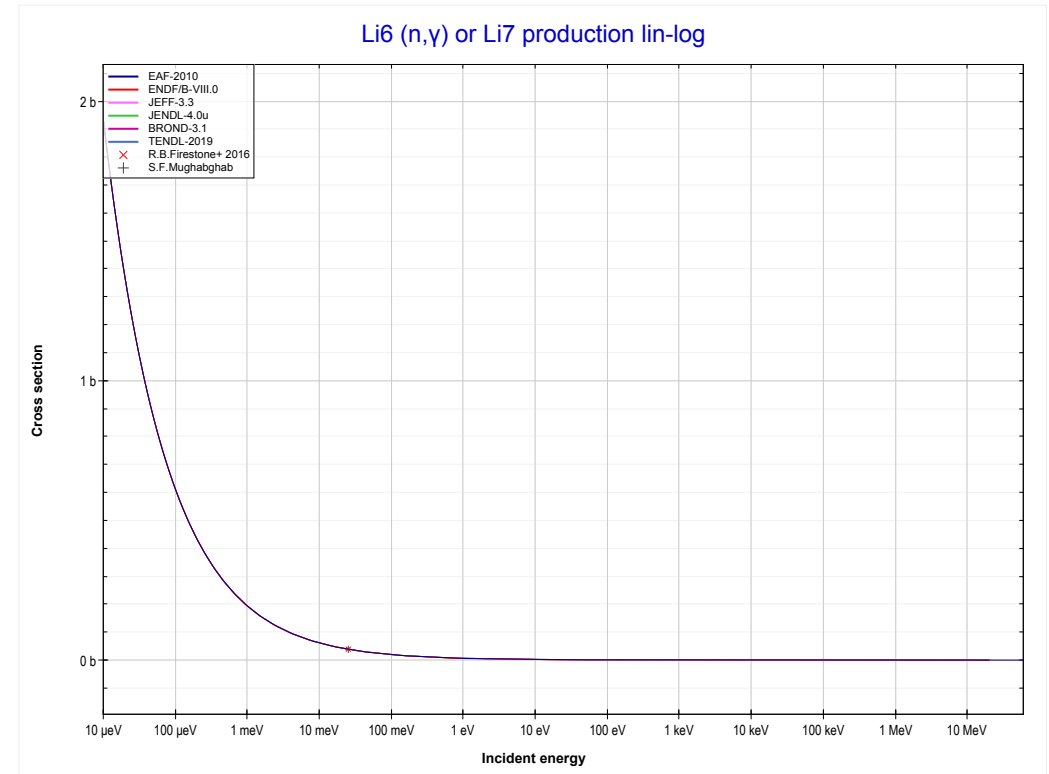
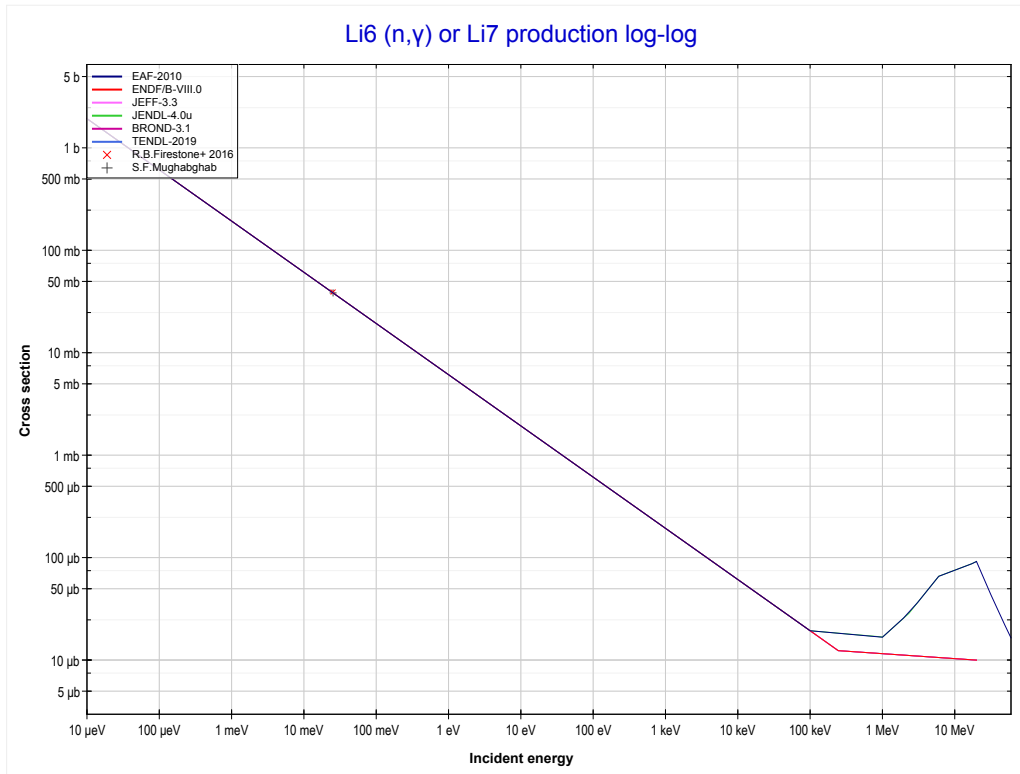
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.52197E-4 b | 0.0780469 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.8614E-4 b | 0.0754 b |

| | | |
|----------------|---|-------------------------|
| | 3-Li-6 | 10-Ne-20 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (He4 production) | MT102 (n, γ) >> |



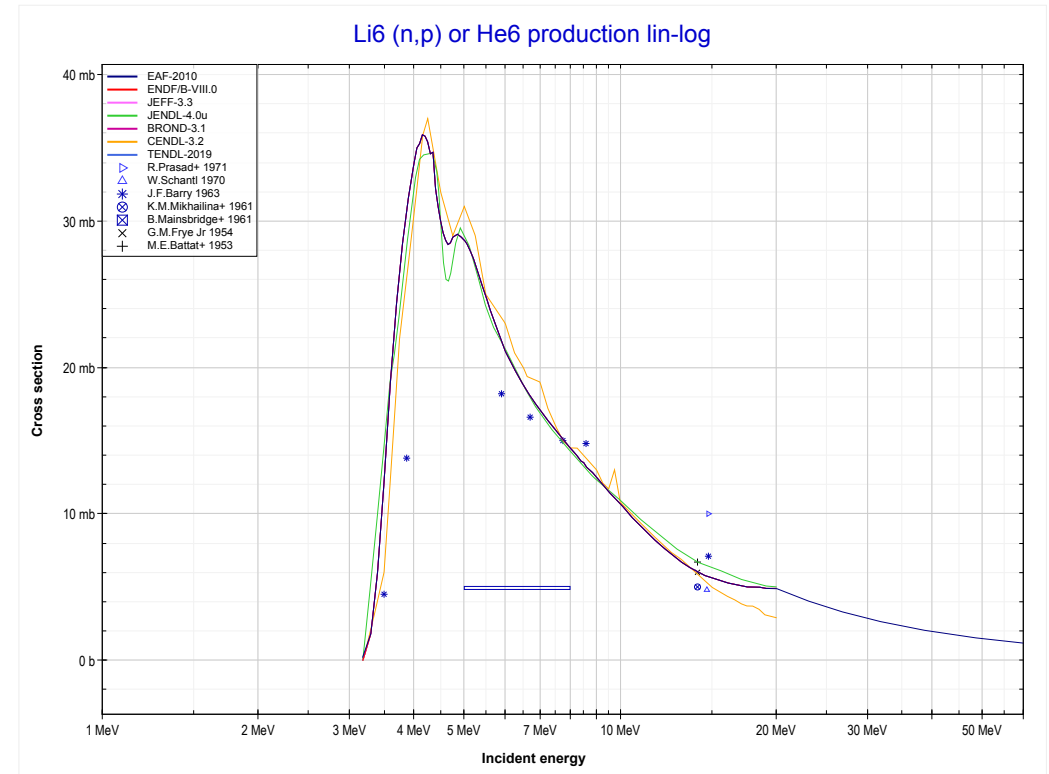
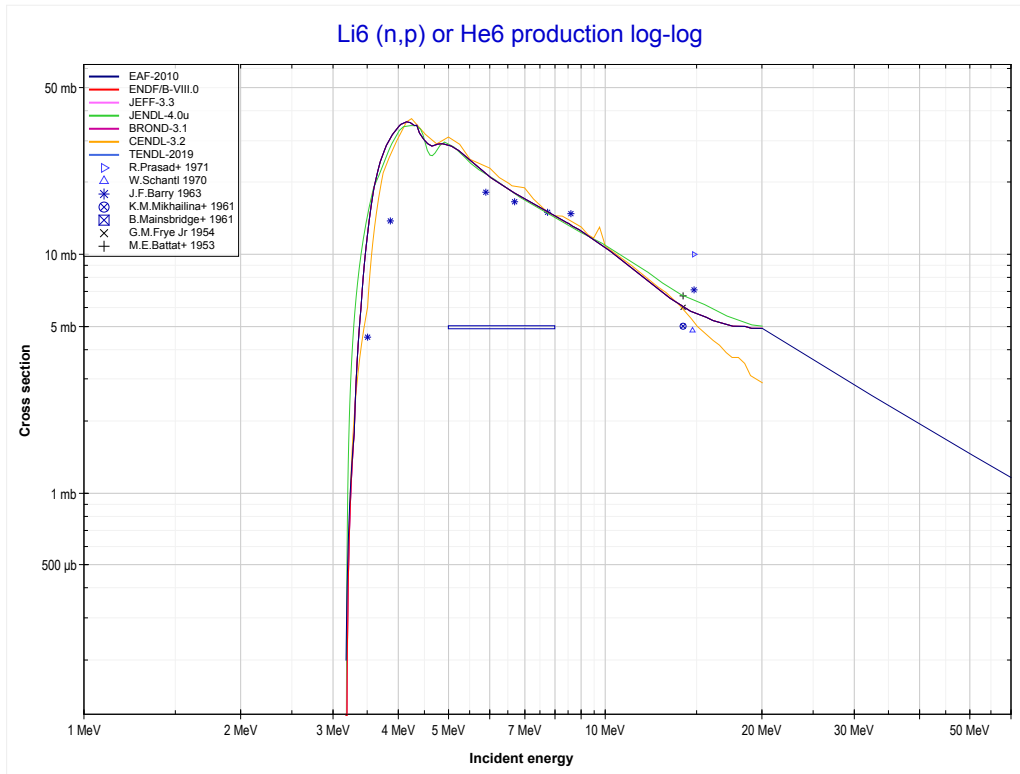
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.152893 b | 0.494 b |

| | | |
|-----------------|--|----------------|
| << 2-He-3 | 3-Li-6 | 3-Li-7 >> |
| << MT32 (n,n+d) | MT102 (n,γ) or MT5 (Li7 production) | MT103 (n,p) >> |



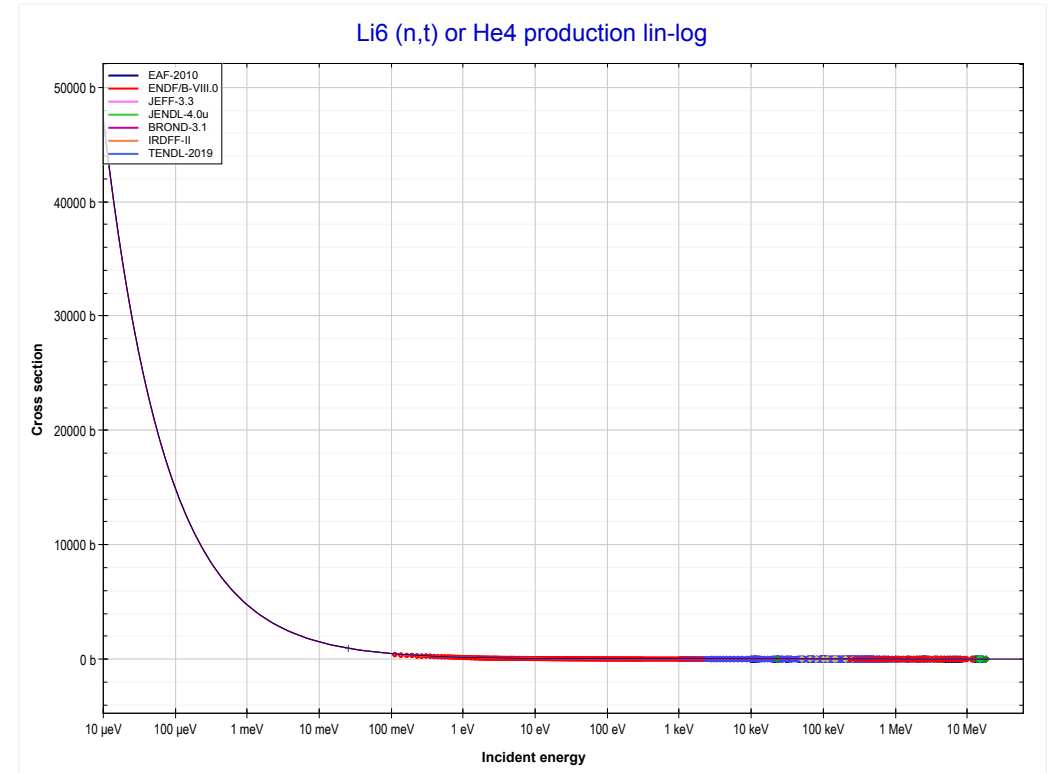
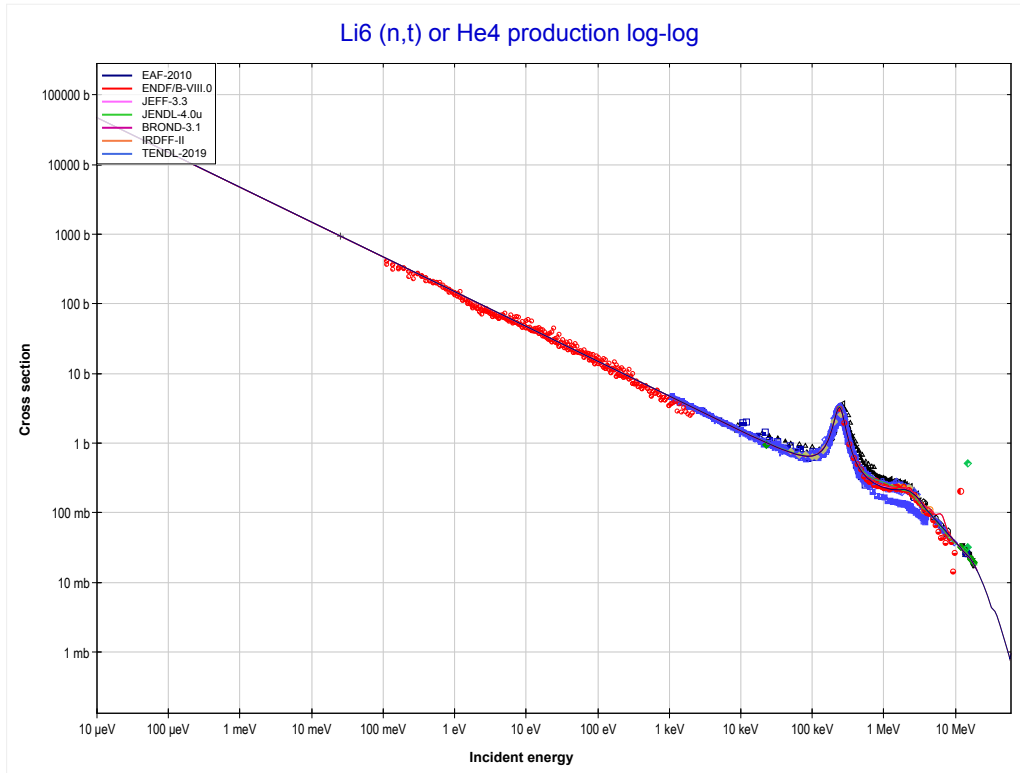
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0385305 b | 0.0385016 b | 0.038489 b | 0.99968 | 0.0172885 b | 2.8104E-5 b | 8.20363E-5 b |
| ENDF/B-VIII.0 | 0.0385136 b | 0.0385136 b | 0.038527 b | 1.00034 | 0.0173272 b | 1.16997E-5 b | 1.01739E-5 b |
| JEFF-3.3 | 0.0385136 b | 0.0385136 b | 0.038527 b | 1.00034 | 0.0173231 b | 1.16994E-5 b | 1.01739E-5 b |
| JENDL-4.0u | 0.0385037 b | 0.0385037 b | 0.038512 b | 1.00021 | 0.0173134 b | 2.80409E-5 b | 8.21114E-5 b |
| BROND-3.1 | 0.0385198 b | 0.0385198 b | 0.038533 b | 1.00034 | 0.0173244 b | 1.1706E-5 b | 1.01809E-5 b |
| TENDL-2019 | 0.0385 b | 0.0385 b | 0.038502 b | 1.00006 | 0.0172892 b | 1.17068E-5 b | 1.01743E-5 b |

| | | |
|-------------------------|--|----------------|
| << 2-He-3 | 3-Li-6 | 4-Be-7 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (He6 production) | MT105 (n,t) >> |



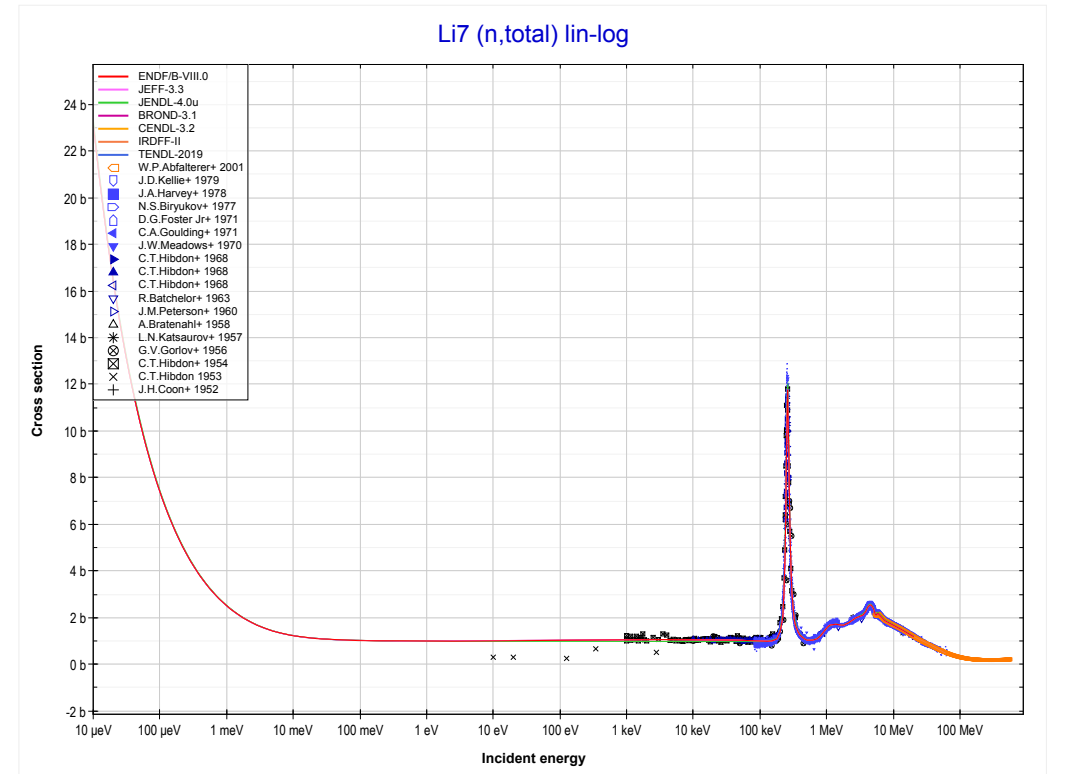
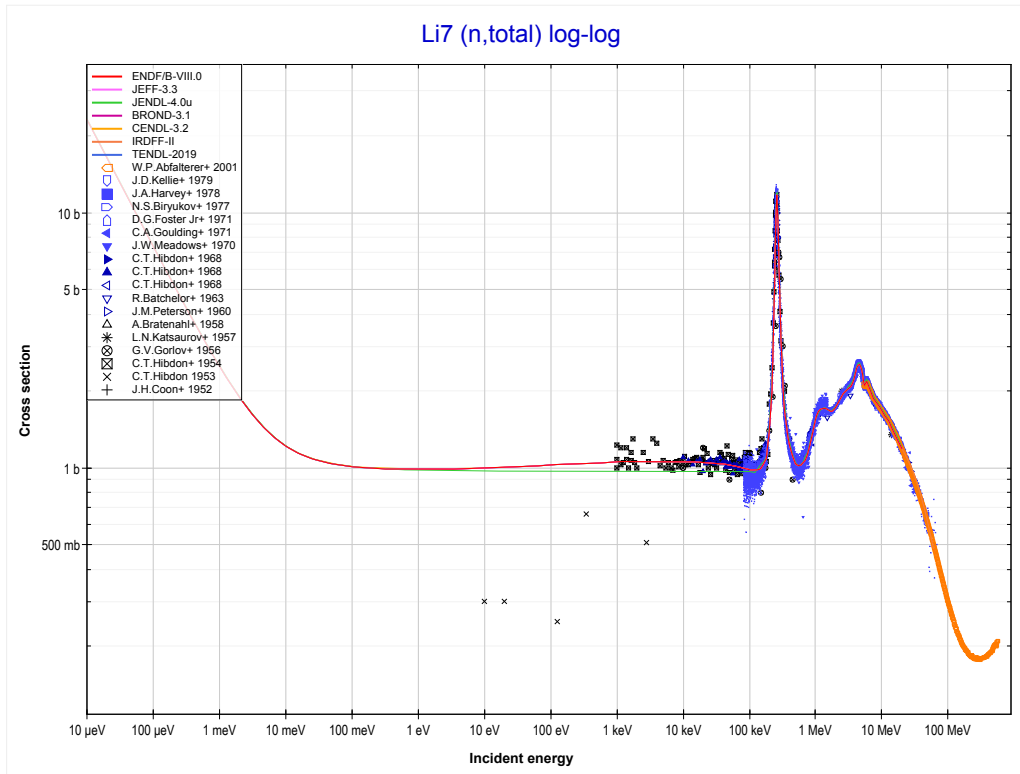
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424368 b | 0.0061 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424318 b | 0.0061 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424318 b | 0.0061 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00423613 b | 0.00676608 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424318 b | 0.0061 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00406917 b | 0.006 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424318 b | 0.0061 b |

| | | |
|-----------------------------|--|--------------------------------------|
| | 3-Li-6 | 4-Be-9 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (He4 production) | 3-Li-7 MT1 (n,total) >> |



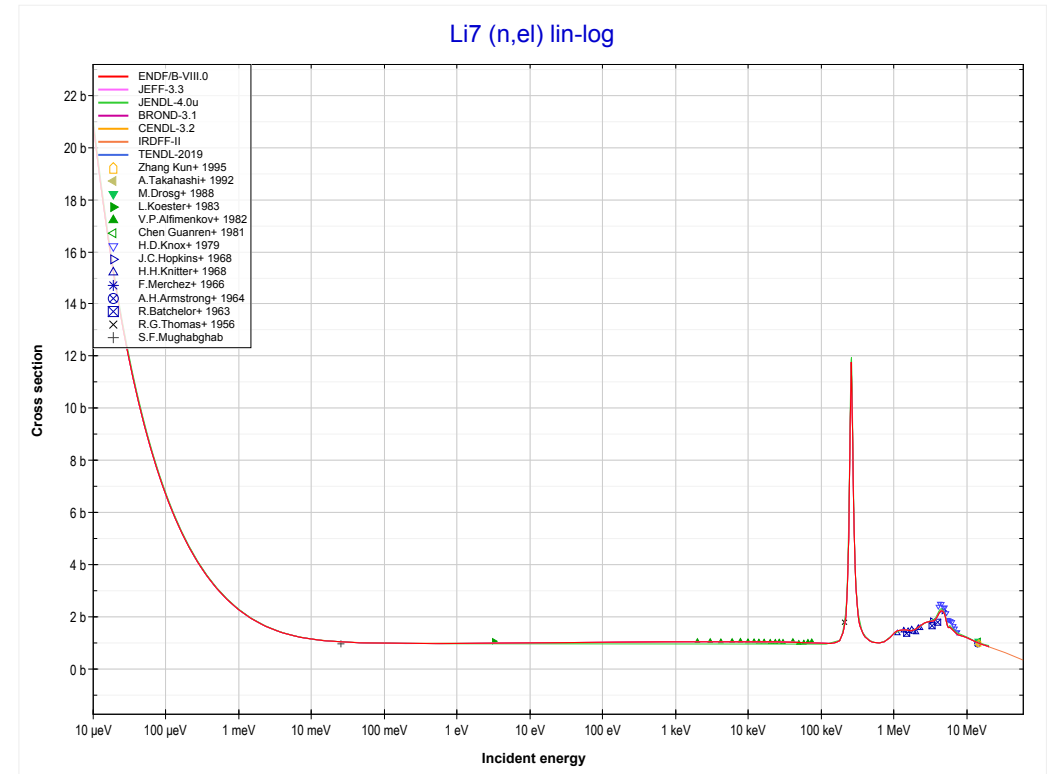
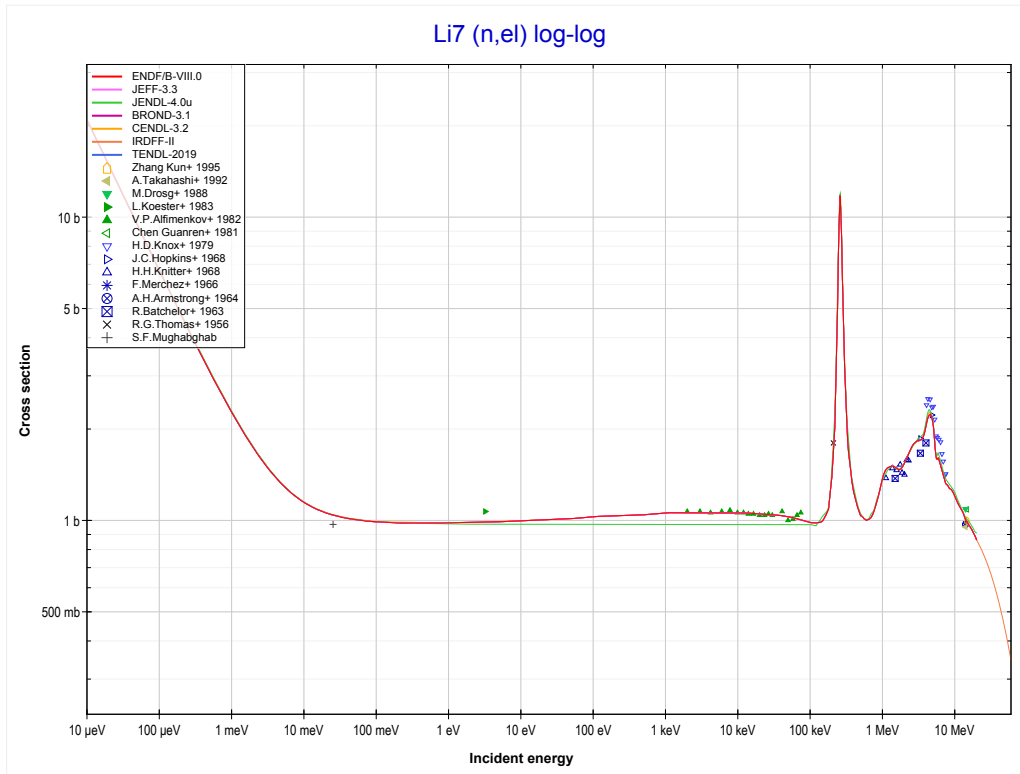
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 941.276 b | 940.611 b | 940.93 b | 1.00038 | 422.628 b | 0.326466 b | 0.0260002 b |
| ENDF/B-VIII.0 | 938.327 b | 938.327 b | 938.64 b | 1.00033 | 422.044 b | 0.337335 b | 0.026 b |
| JEFF-3.3 | 938.776 b | 938.776 b | 939.07 b | 1.00032 | 422.114 b | 0.336147 b | 0.026 b |
| JENDL-4.0u | 940.632 b | 940.632 b | 940.95 b | 1.00033 | 423.143 b | 0.339195 b | 0.0280444 b |
| BROND-3.1 | 938.602 b | 938.602 b | 938.9 b | 1.00032 | 421.972 b | 0.334005 b | 0.026 b |
| IRDFF-II | 937.996 b | 937.996 b | 938.29 b | 1.00031 | 421.284 b | 0.33548 b | 0.0260002 b |
| TENDL-2019 | 937.996 b | 937.996 b | 938.05 b | 1.00005 | 421.118 b | 0.337356 b | 0.026 b |

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|-----------------------|----------------------|--------------------|
| << 3-Li-6 | 3-Li-7 | 4-Be-9 >> |
| << 3-Li-6 MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



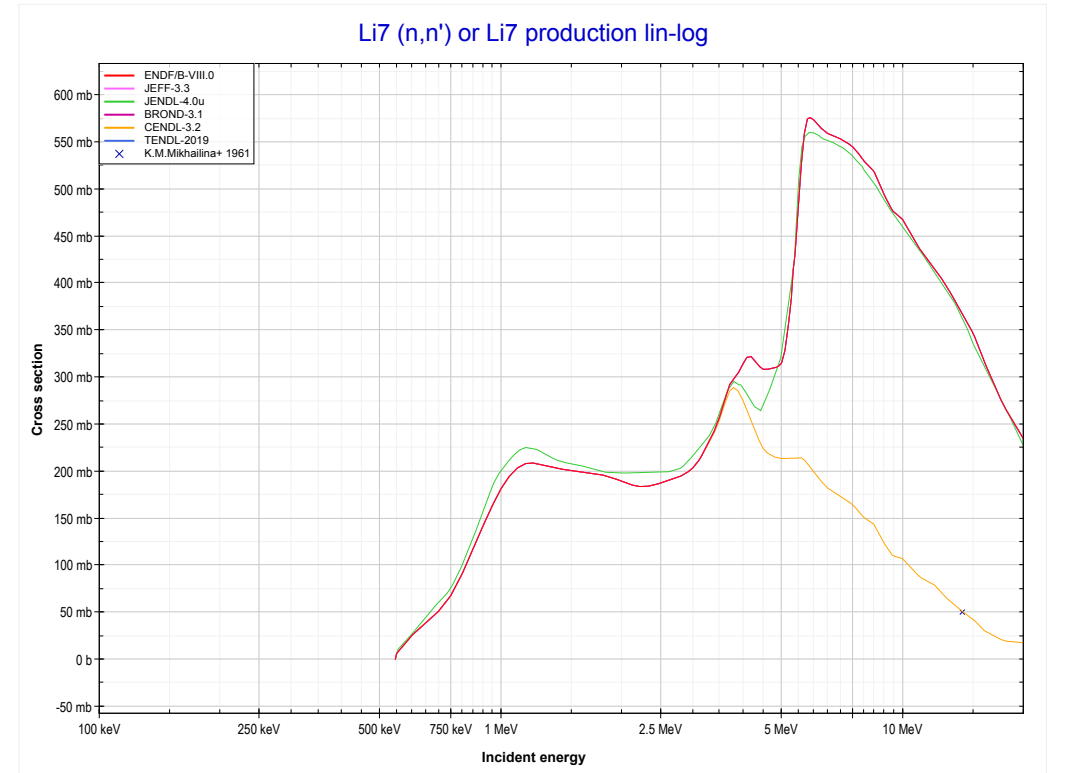
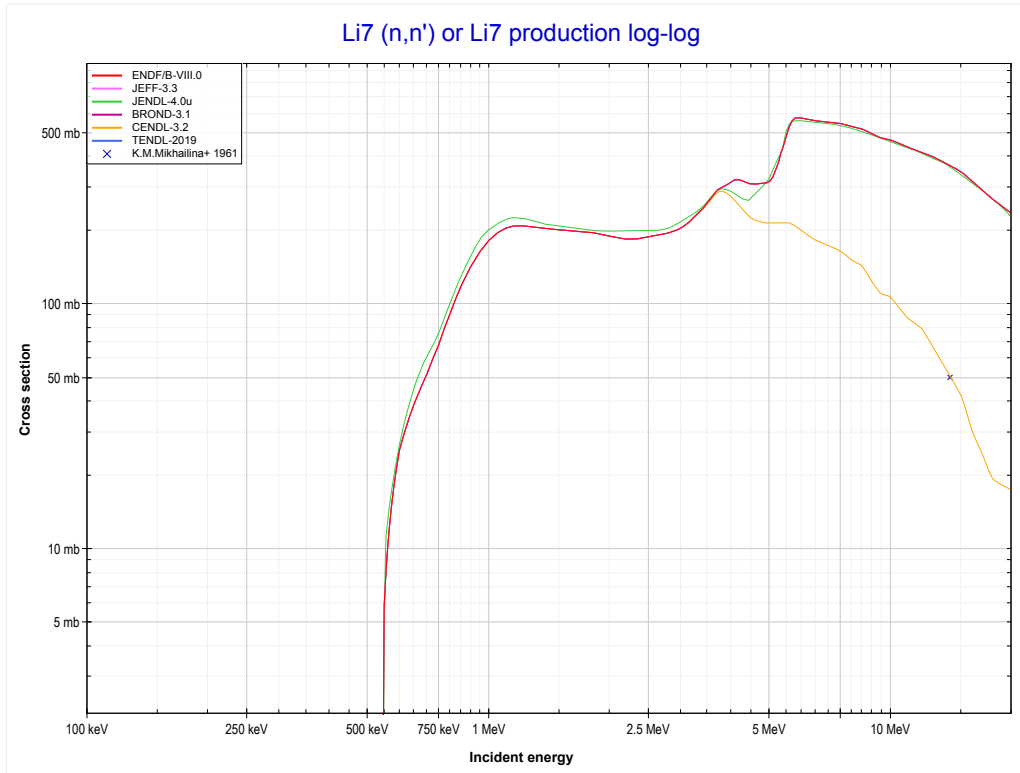
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.08515 b | 1.08515 b | 1.2161 b | 1.12071 | 12.518 b | 1.81903 b | 1.44165 b |
| JEFF-3.3 | 1.08515 b | 1.08515 b | 1.2161 b | 1.12071 | 12.518 b | 1.81903 b | 1.44165 b |
| JENDL-4.0u | 1.08653 b | 1.08653 b | 1.2179 b | 1.12093 | 11.866 b | 1.8442 b | 1.46956 b |
| BROND-3.1 | 1.08514 b | 1.08514 b | 1.2161 b | 1.12071 | 12.518 b | 1.81903 b | 1.44166 b |
| CENDL-3.2 | 1.08862 b | 1.08862 b | 1.2201 b | 1.12077 | 12.5232 b | 1.81902 b | 1.44166 b |
| IRDFF-II | 1.08513 b | 1.08513 b | 1.2168 b | 1.12135 | 12.5157 b | 1.81894 b | 1.44165 b |
| TENDL-2019 | 1.08515 b | 1.08515 b | 1.2161 b | 1.12071 | 12.5183 b | 1.819 b | 1.44166 b |

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|------------------|------------------------|---------------|
| << 3-Li-6 | 3-Li-7 | 4-Be-9 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



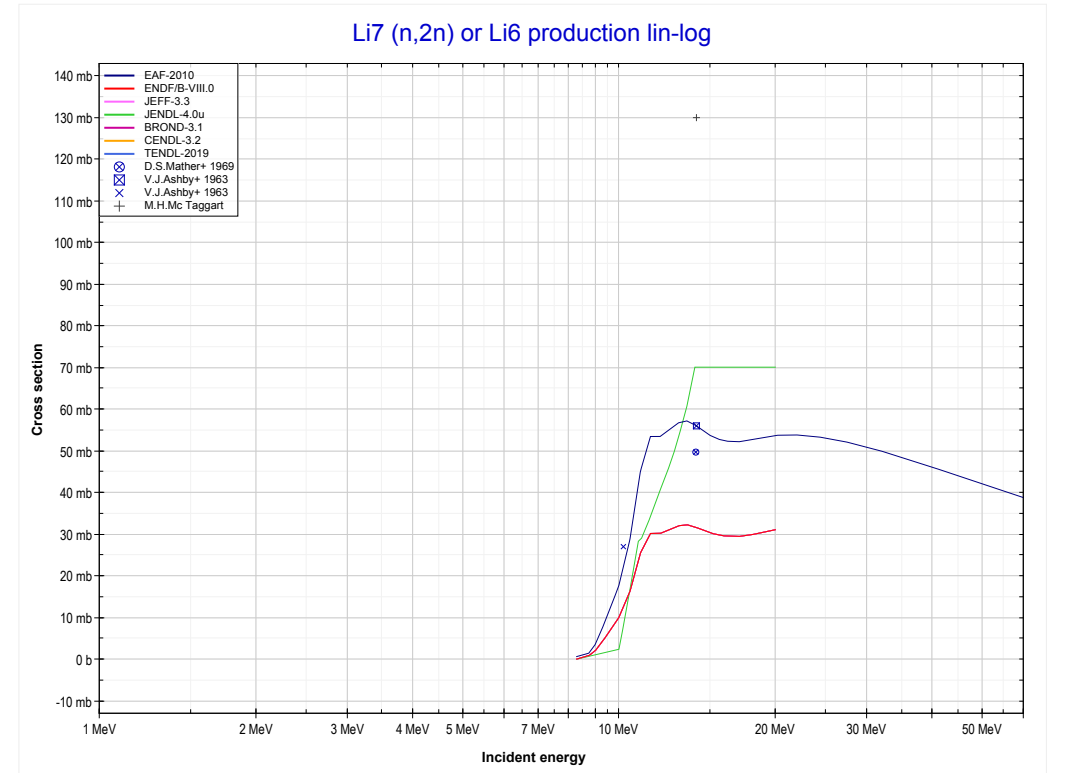
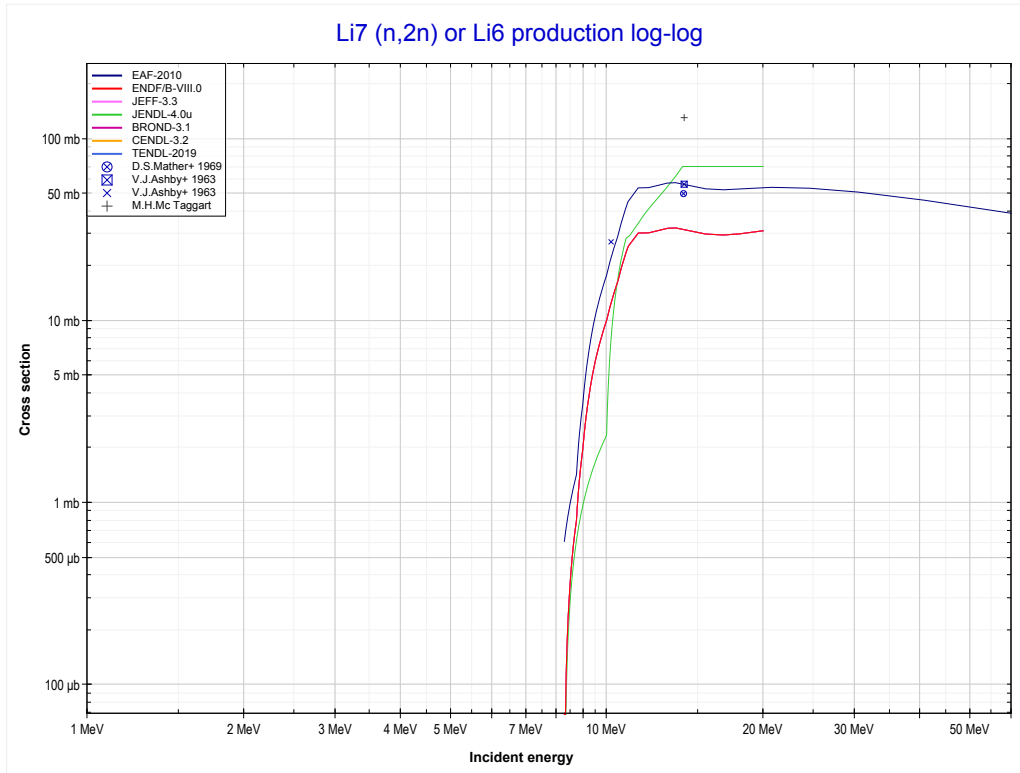
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.03973 b | 1.03973 b | 1.1707 b | 1.12596 | 12.4976 b | 1.64073 b | 1.01061 b |
| JEFF-3.3 | 1.03973 b | 1.03973 b | 1.1707 b | 1.12597 | 12.4976 b | 1.64073 b | 1.01061 b |
| JENDL-4.0u | 1.04111 b | 1.04111 b | 1.1725 b | 1.12619 | 11.8456 b | 1.66067 b | 1.02467 b |
| BROND-3.1 | 1.03973 b | 1.03973 b | 1.1707 b | 1.12597 | 12.4976 b | 1.64073 b | 1.01061 b |
| CENDL-3.2 | 1.04303 b | 1.04303 b | 1.1745 b | 1.12606 | 12.4991 b | 1.64218 b | 1.01062 b |
| IRDFF-II | 1.03973 b | 1.03973 b | 1.1714 b | 1.12662 | 12.4953 b | 1.64064 b | 1.01061 b |
| TENDL-2019 | 1.03973 b | 1.03973 b | 1.1707 b | 1.12598 | 12.4957 b | 1.64064 b | 1.01061 b |

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|--------------------|---|----------------|
| | 3-Li-7 | 6-C-12 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Li7 production) | MT16 (n,2n) >> |



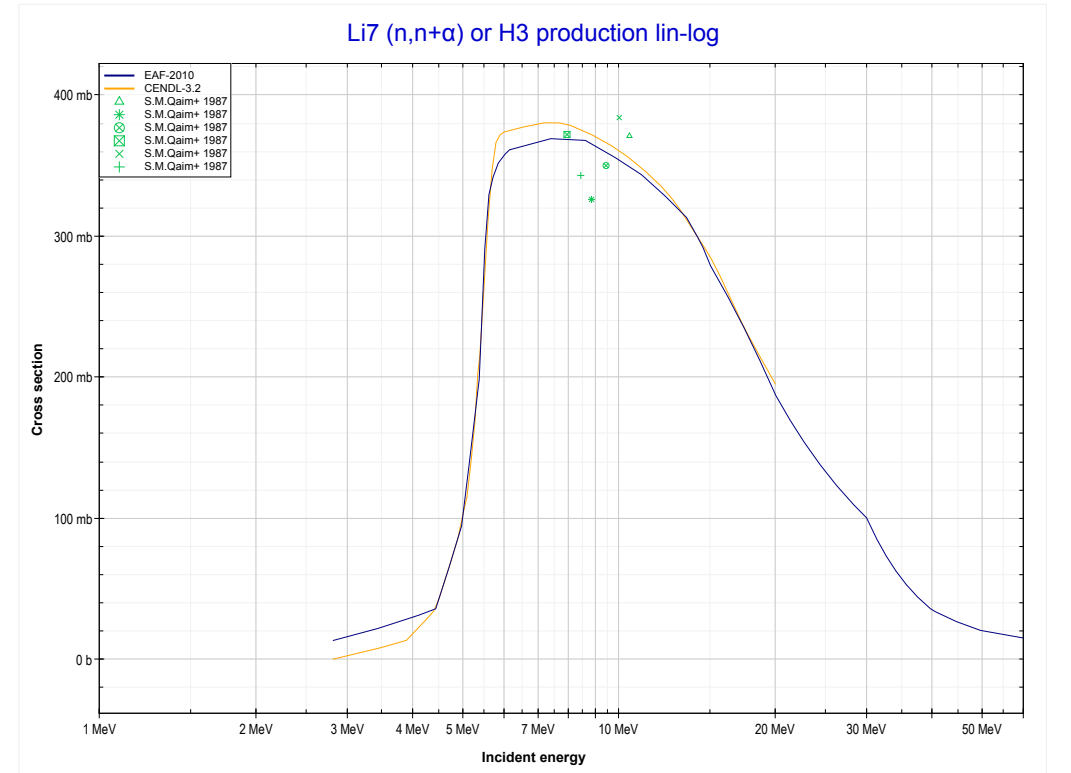
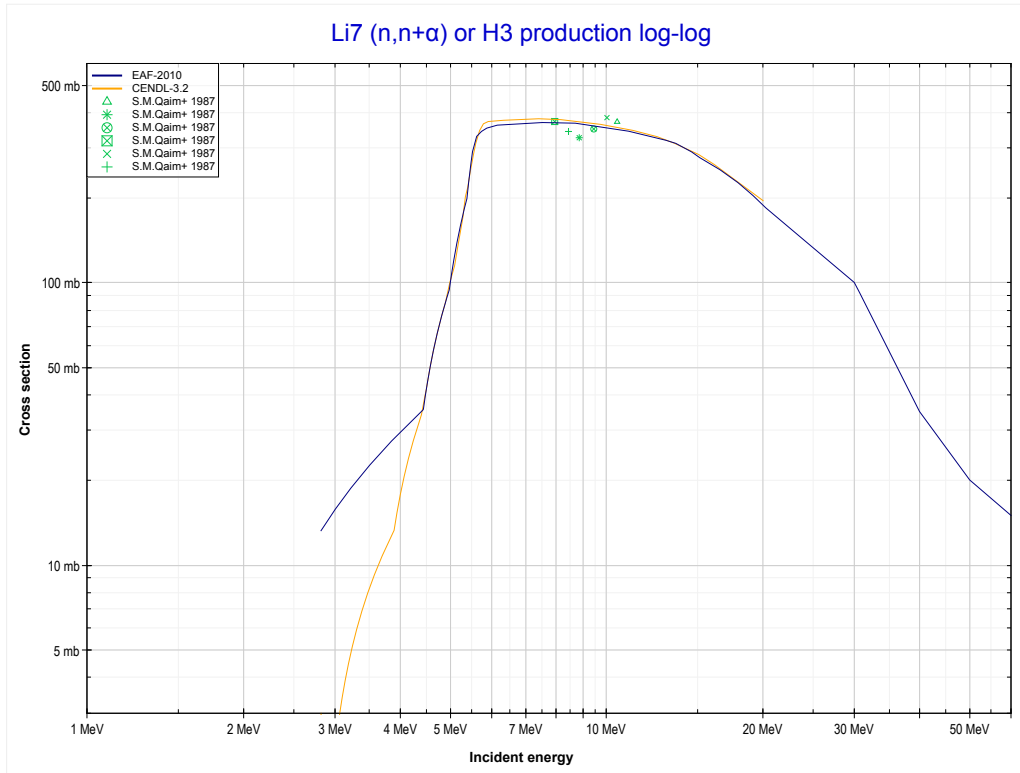
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.178212 b | 0.369242 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.178212 b | 0.369242 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.183441 b | 0.365032 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.178212 b | 0.369242 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.15494 b | 0.051717 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.178212 b | 0.369242 b |

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|---------------|--|-----------------|
| << 3-Li-6 | 3-Li-7 | 4-Be-9 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Li6 production) | MT22 (n,n+α) >> |



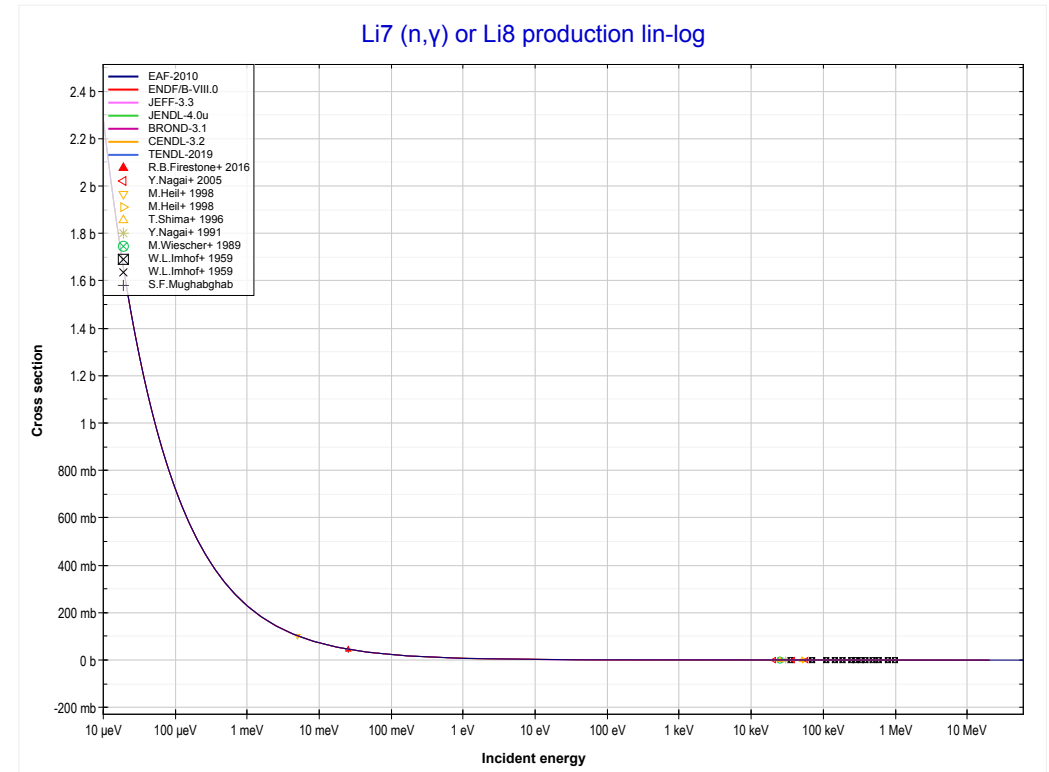
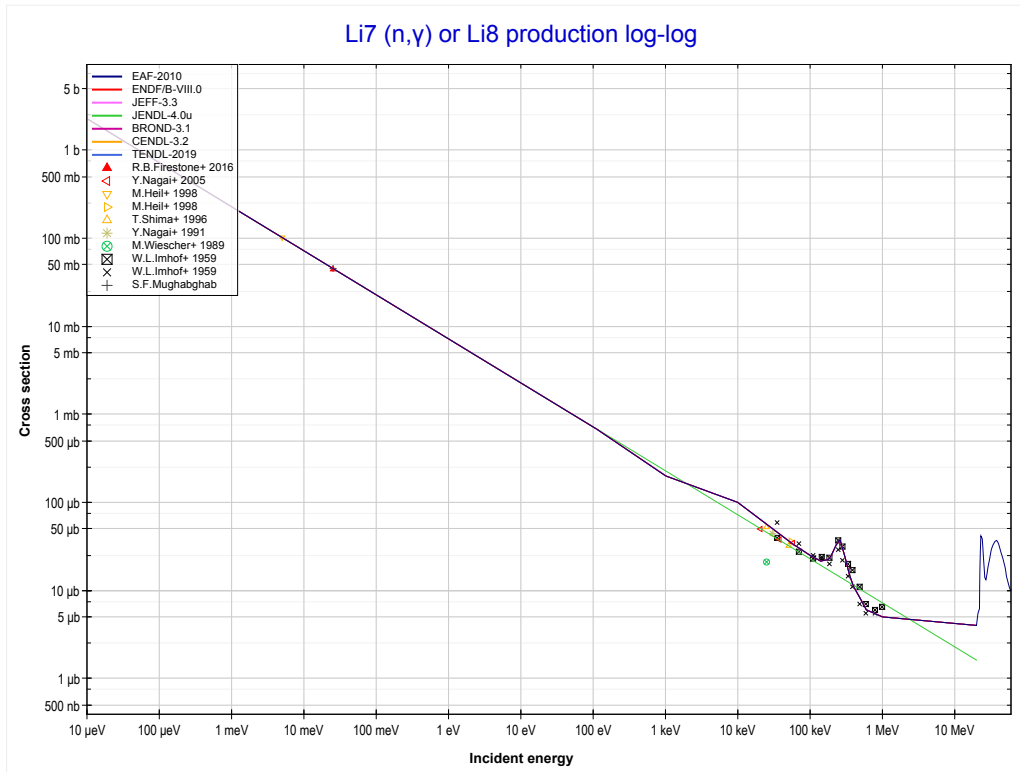
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02743E-4 b | 0.0562815 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.797E-5 b | 0.031762 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79689E-5 b | 0.031762 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.27184E-5 b | 0.0700908 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79689E-5 b | 0.031762 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79689E-5 b | 0.031762 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79688E-5 b | 0.031762 b |

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|----------------|--|----------------|
| | 3-Li-7 | 8-O-18 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (H3 production) | MT102 (n,γ) >> |



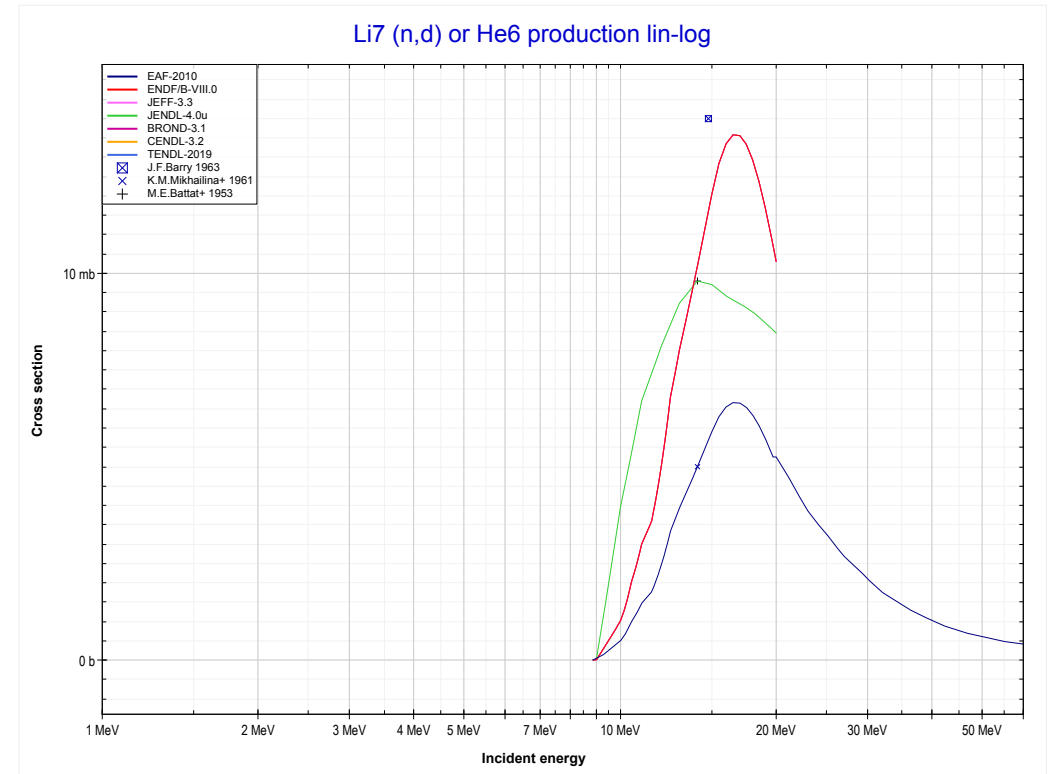
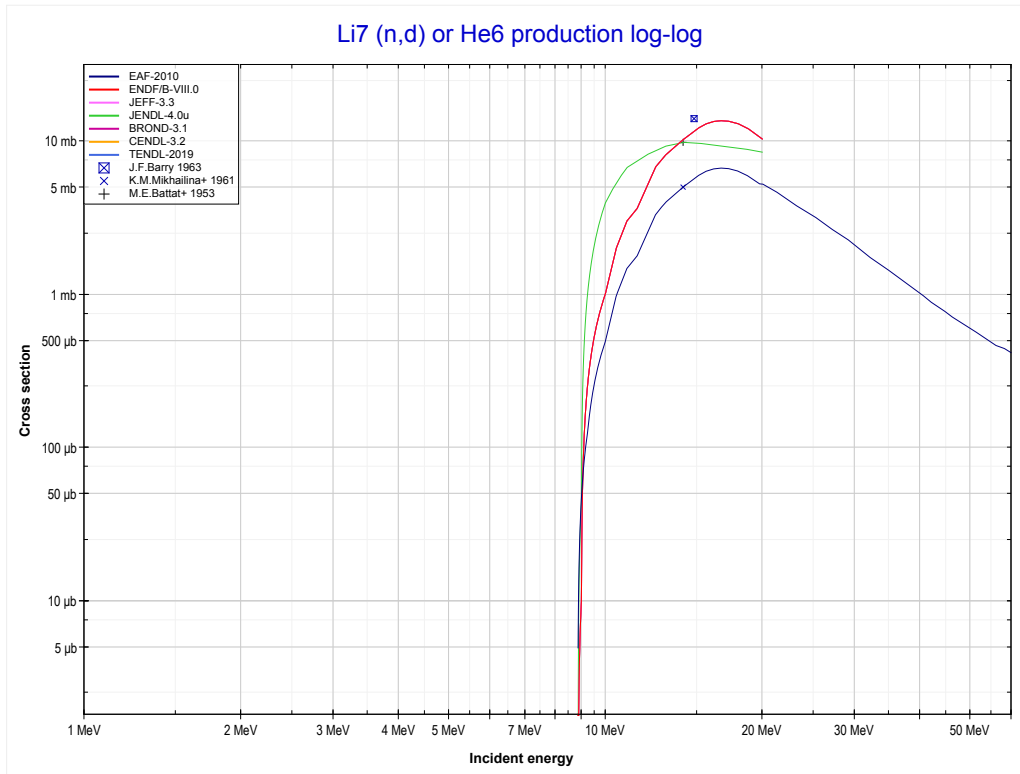
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0217478 b | 0.30235 b |

| | | |
|-----------------|--|----------------|
| << 3-Li-6 | 3-Li-7 | 4-Be-9 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Li8 production) | MT104 (n,d) >> |



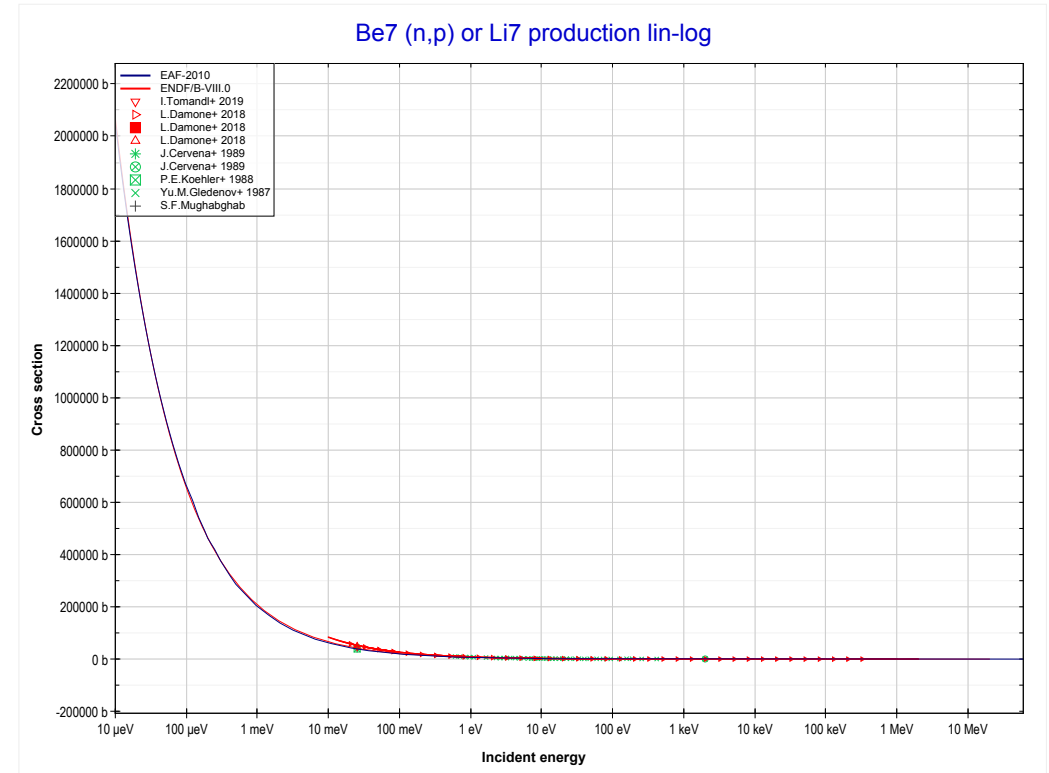
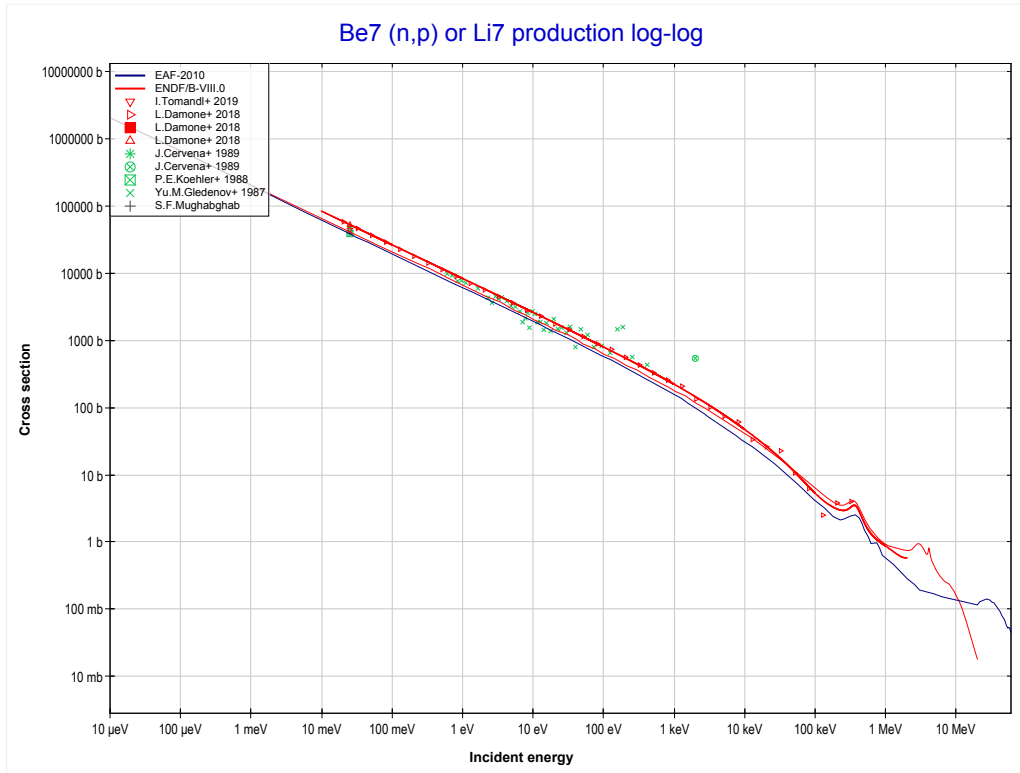
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0454476 b | 0.0454135 b | 0.045407 b | 0.99985 | 0.0203926 b | 7.17858E-6 b | 4.10975E-6 b |
| ENDF/B-VIII.0 | 0.0454197 b | 0.0454197 b | 0.045436 b | 1.00037 | 0.0204174 b | 7.17945E-6 b | 4.11046E-6 b |
| JEFF-3.3 | 0.0454178 b | 0.0454178 b | 0.045434 b | 1.00037 | 0.0204252 b | 7.17826E-6 b | 4.1077E-6 b |
| JENDL-4.0u | 0.0454147 b | 0.0454147 b | 0.04543 b | 1.00034 | 0.0204289 b | 7.00973E-6 b | 1.92998E-6 b |
| BROND-3.1 | 0.0454178 b | 0.0454178 b | 0.045434 b | 1.00037 | 0.0204252 b | 7.17826E-6 b | 4.1077E-6 b |
| CENDL-3.2 | 0.0454017 b | 0.0454017 b | 0.045406 b | 1.00009 | 0.0203809 b | 7.17847E-6 b | 4.10785E-6 b |
| TENDL-2019 | 0.0454017 b | 0.0454017 b | 0.045406 b | 1.00009 | 0.0203883 b | 7.17976E-6 b | 4.11047E-6 b |

| | | |
|-------------------------|--|-----------------------|
| << 2-He-3 | 3-Li-7 | 4-Be-9 >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (He6 production) | 4-Be-7 MT103 (n,p) >> |



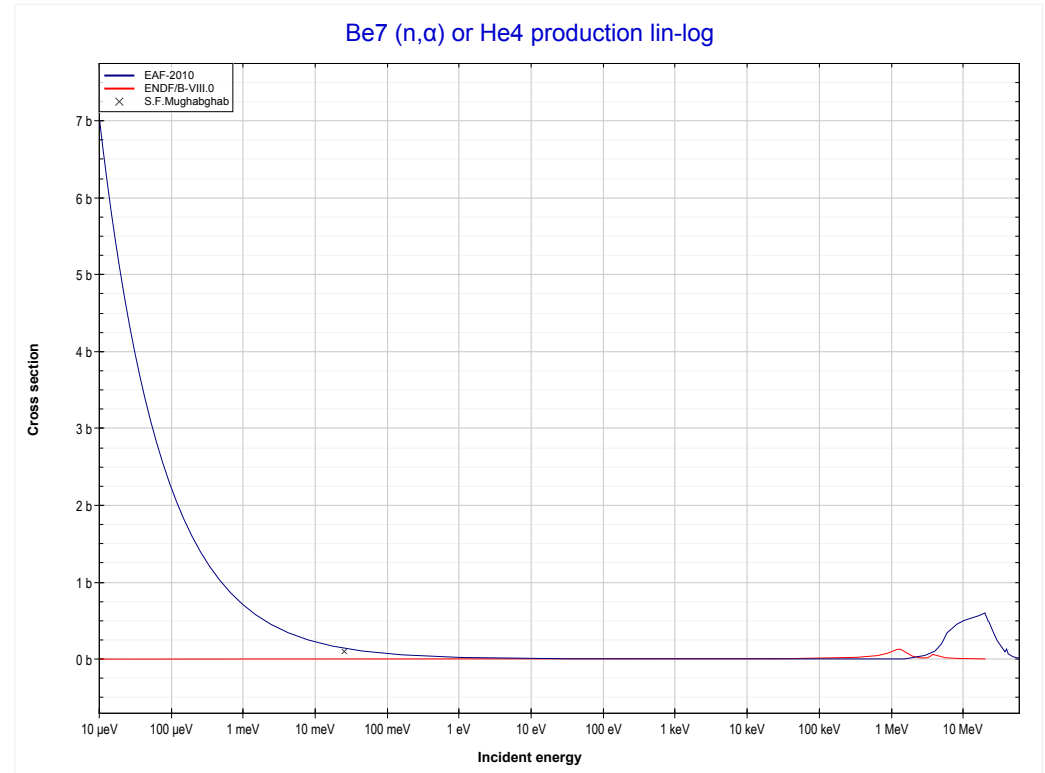
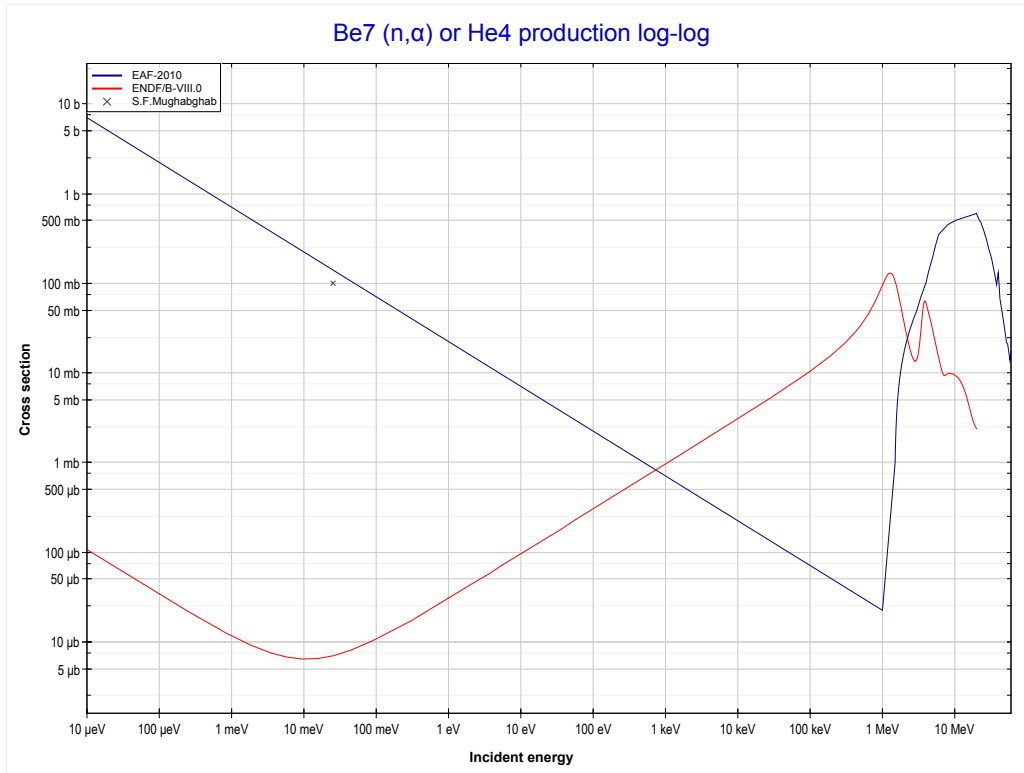
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.25003E-6 b | 0.00490222 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.62915E-6 b | 0.01 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.63453E-6 b | 0.01 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.67062E-5 b | 0.00976306 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.63453E-6 b | 0.01 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.62666E-6 b | 0.01 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.62909E-6 b | 0.01 b |

| | | |
|-----------------------|--|-------------------------|
| << 3-Li-6 | 4-Be-7 | 4-Be-9 >> |
| << 3-Li-7 MT104 (n,d) | MT103 (n,p) or MT5 (Li7 production) | MT107 (n, α) >> |



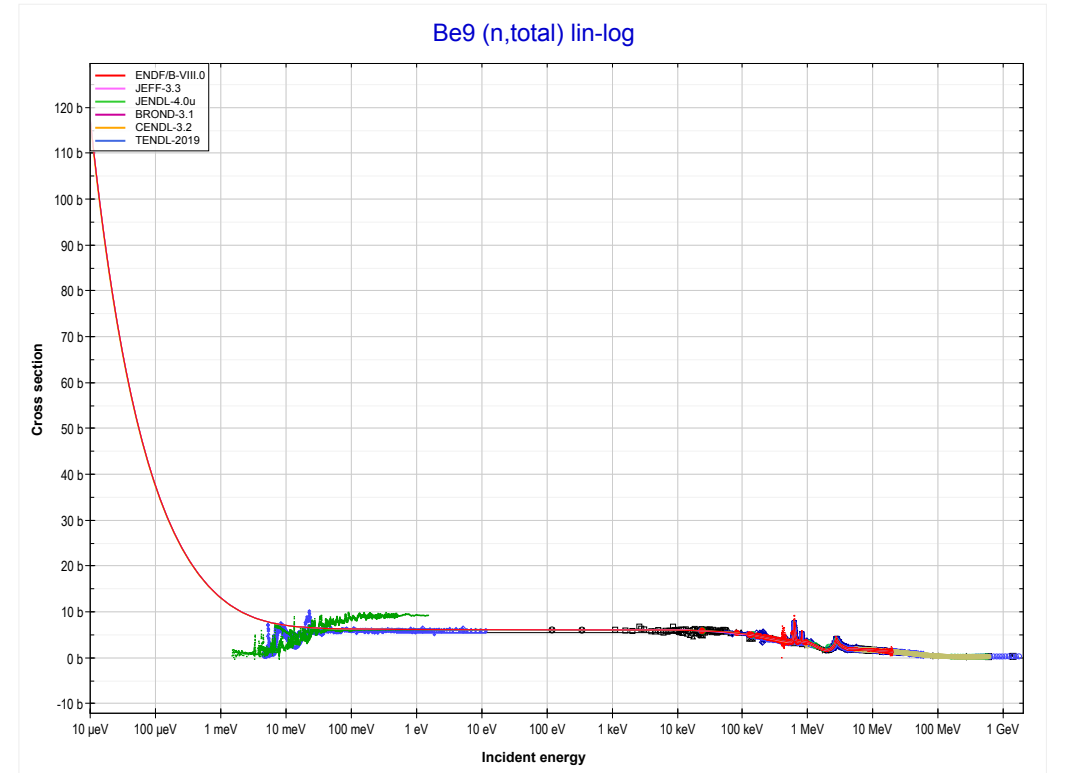
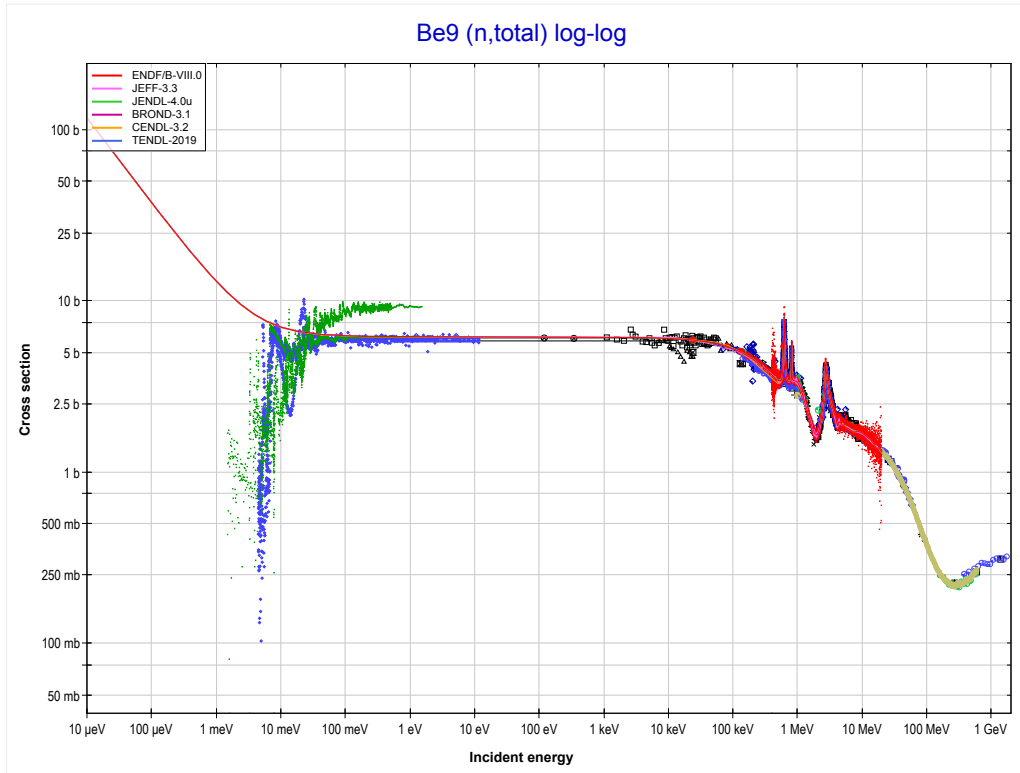
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 39000 b | 38964.9 b | 38662 b | 0.99206 | 16944.7 b | 0.792454 b | 0.127073 b |
| ENDF/B-VIII.0 | 41447.8 b | 41447.8 b | 41311 b | 0.99669 | 18647 b | 1.38986 b | 0.0642764 b |

| | | |
|----------------|--|-------------------------|
| | 4-Be-7 | 4-Be-9 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (He4 production) | 4-Be-9 MT1 (n,total) >> |



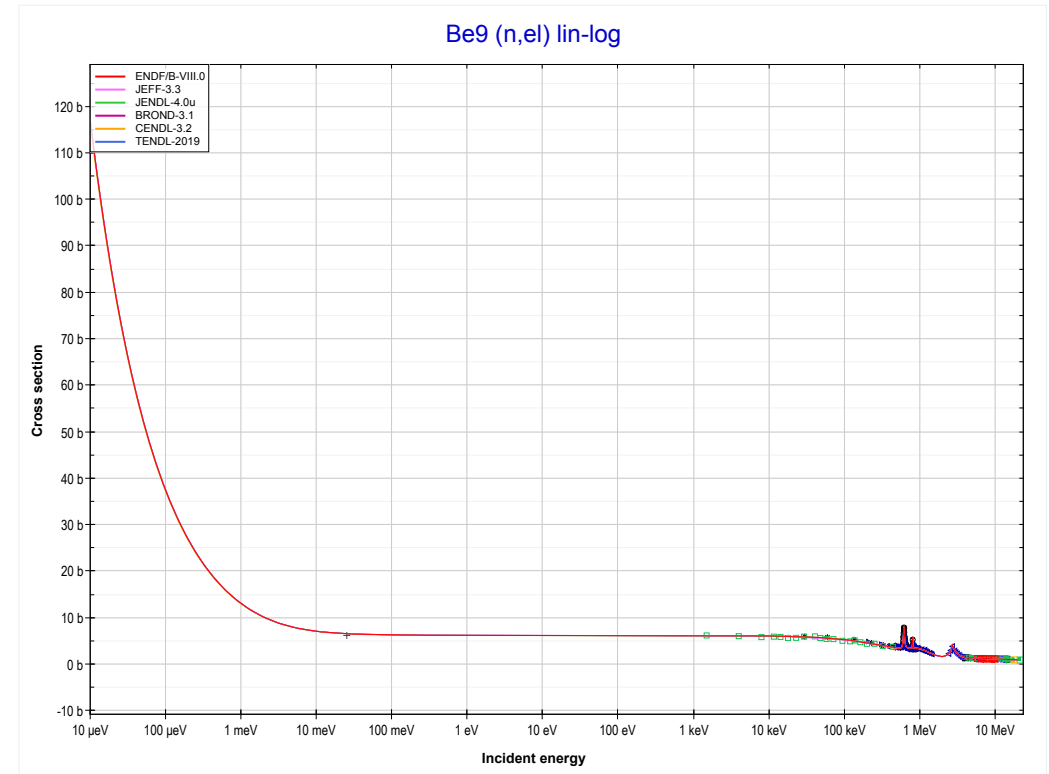
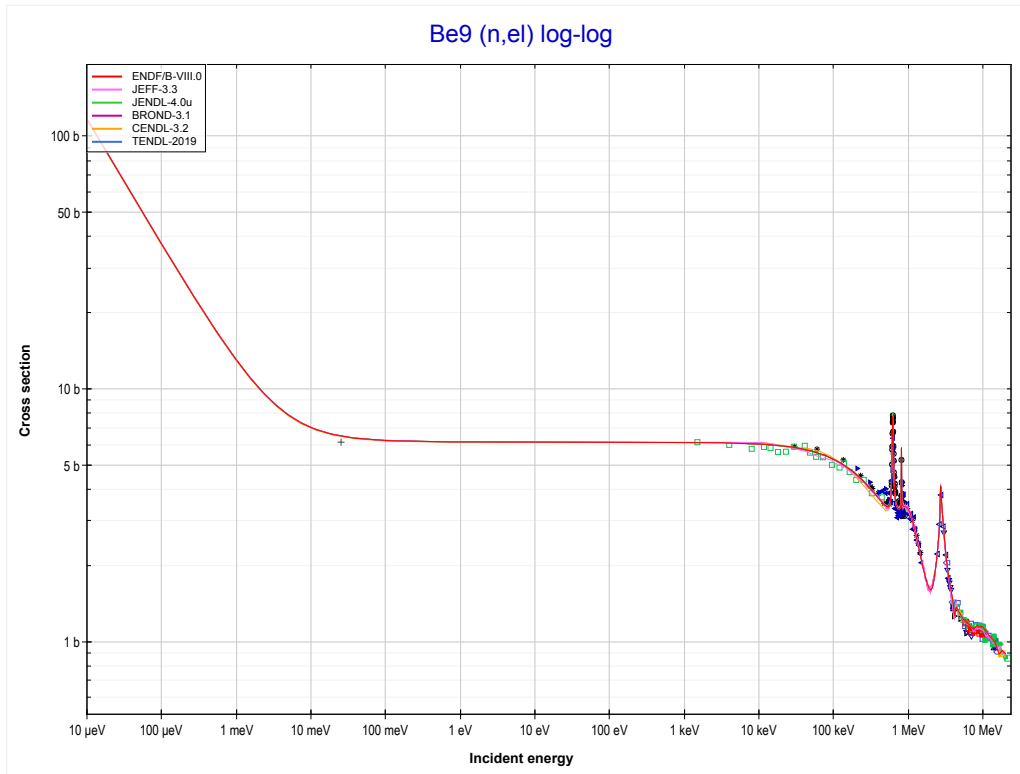
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.14 b | 0.139895 b | 0.1399 b | 1.00001 | 0.0628536 b | 0.042915 b | 0.54 b |
| ENDF/B-VIII.0 | 6.96128E-6 b | 6.96128E-6 b | 9.4003E-6 b | 1.35036 | 0.0197408 b | 0.0516295 b | 0.00602713 b |

| | | |
|--------------------------------|----------------------|--------------------|
| << 3-Li-7 | 4-Be-9 | 5-B-Nat >> |
| << 4-Be-7 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



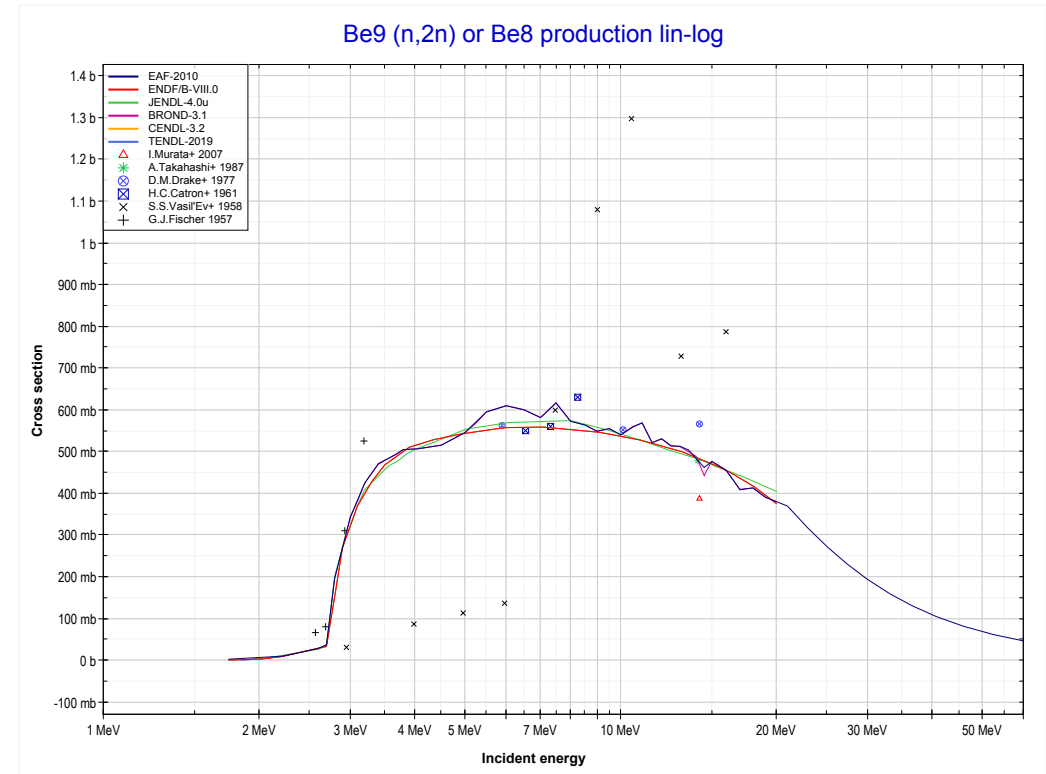
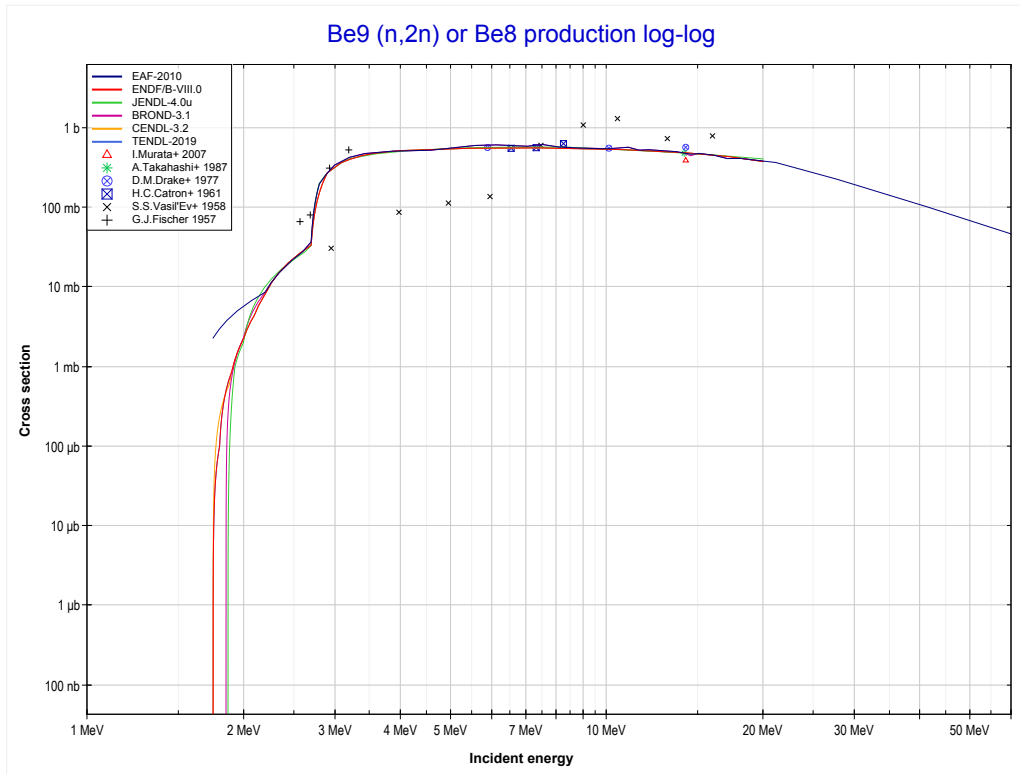
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.5083 b | 6.5083 b | 7.3326 b | 1.12665 | 74.1871 b | 2.84586 b | 1.52753 b |
| JEFF-3.3 | 6.51156 b | 6.51156 b | 7.3353 b | 1.12651 | 74.1322 b | 2.83024 b | 1.50396 b |
| JENDL-4.0u | 6.50372 b | 6.50372 b | 7.3276 b | 1.12668 | 74.1157 b | 2.85362 b | 1.49379 b |
| BROND-3.1 | 6.50974 b | 6.50974 b | 7.3359 b | 1.12691 | 74.205 b | 2.83846 b | 1.50396 b |
| CENDL-3.2 | 6.47094 b | 6.47094 b | 7.2919 b | 1.12686 | 74.3379 b | 2.82778 b | 1.52763 b |
| TENDL-2019 | 6.50875 b | 6.50875 b | 7.3333 b | 1.12668 | 74.2169 b | 2.84633 b | 1.52753 b |

| | | |
|------------------|------------------------|----------------|
| << 3-Li-7 | 4-Be-9 | 5-B-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



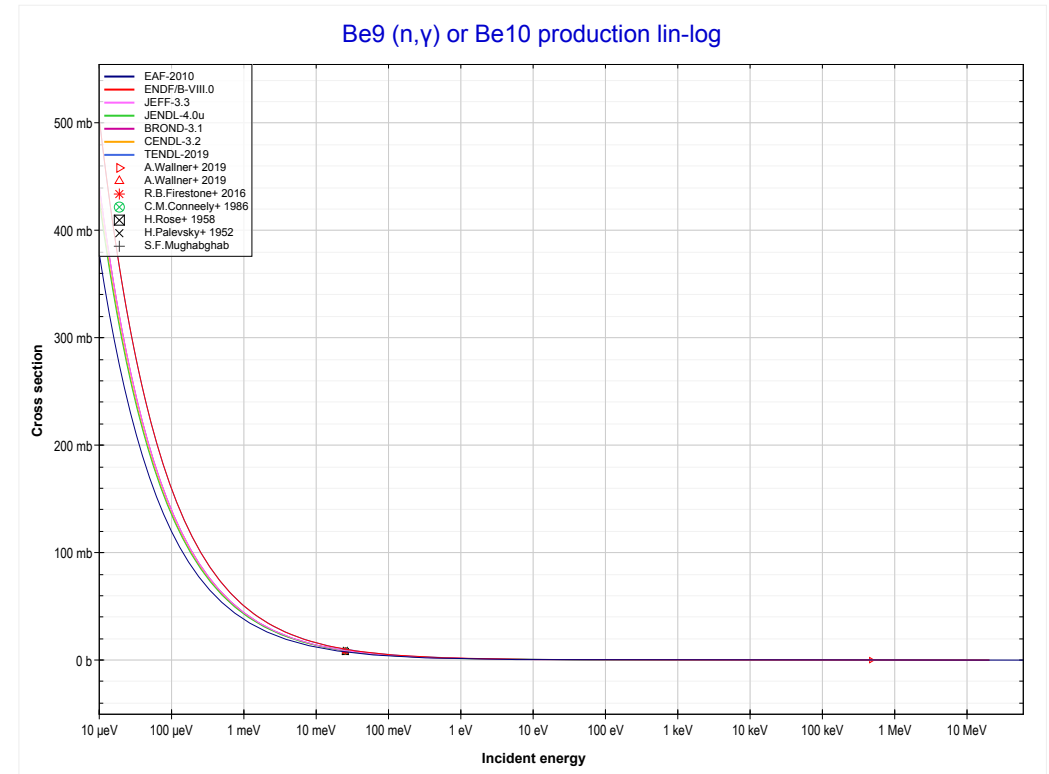
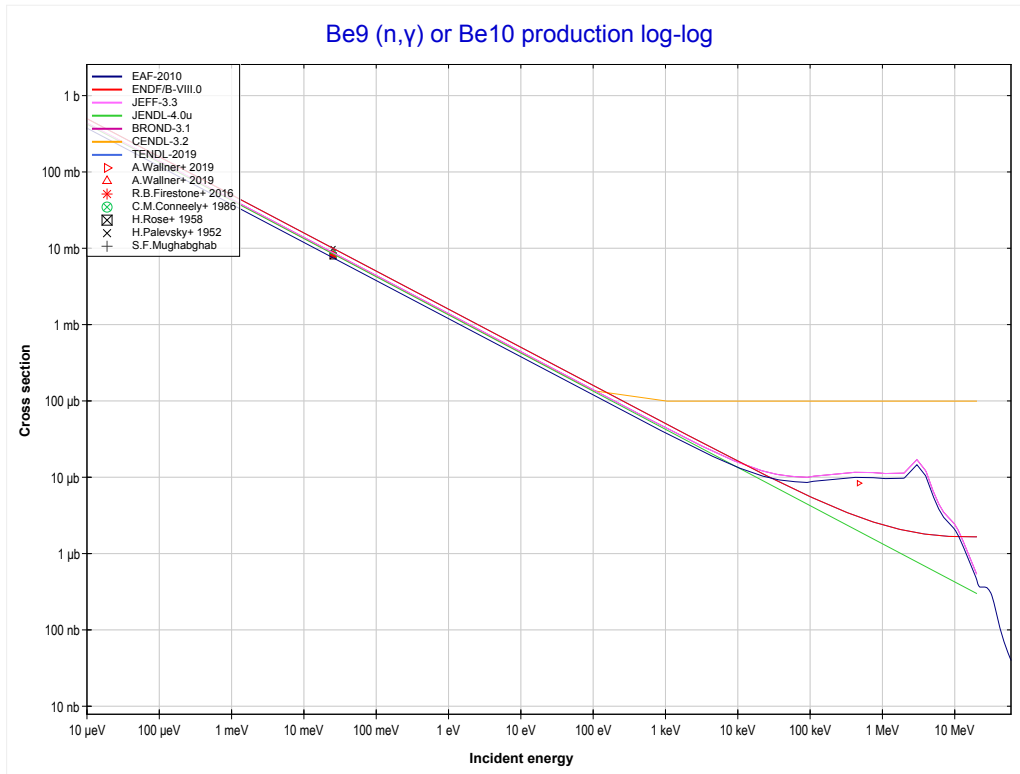
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.49826 b | 6.49826 b | 7.3225 b | 1.12684 | 74.1825 b | 2.69165 b | 1.01075 b |
| JEFF-3.3 | 6.50279 b | 6.50279 b | 7.3265 b | 1.12668 | 74.1283 b | 2.67461 b | 0.98803 b |
| JENDL-4.0u | 6.49522 b | 6.49522 b | 7.3191 b | 1.12684 | 74.1118 b | 2.70008 b | 0.983228 b |
| BROND-3.1 | 6.50096 b | 6.50096 b | 7.3271 b | 1.12708 | 74.2011 b | 2.68284 b | 0.988031 b |
| CENDL-3.2 | 6.46231 b | 6.46231 b | 7.2832 b | 1.12703 | 74.3306 b | 2.67347 b | 1.01075 b |
| TENDL-2019 | 6.49826 b | 6.49826 b | 7.3227 b | 1.12686 | 74.2153 b | 2.69208 b | 1.01075 b |

| | | |
|--------------------|--|-------------------------|
| << 3-Li-7 | 4-Be-9 | 5-B-11 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Be8 production) | MT102 (n, γ) >> |



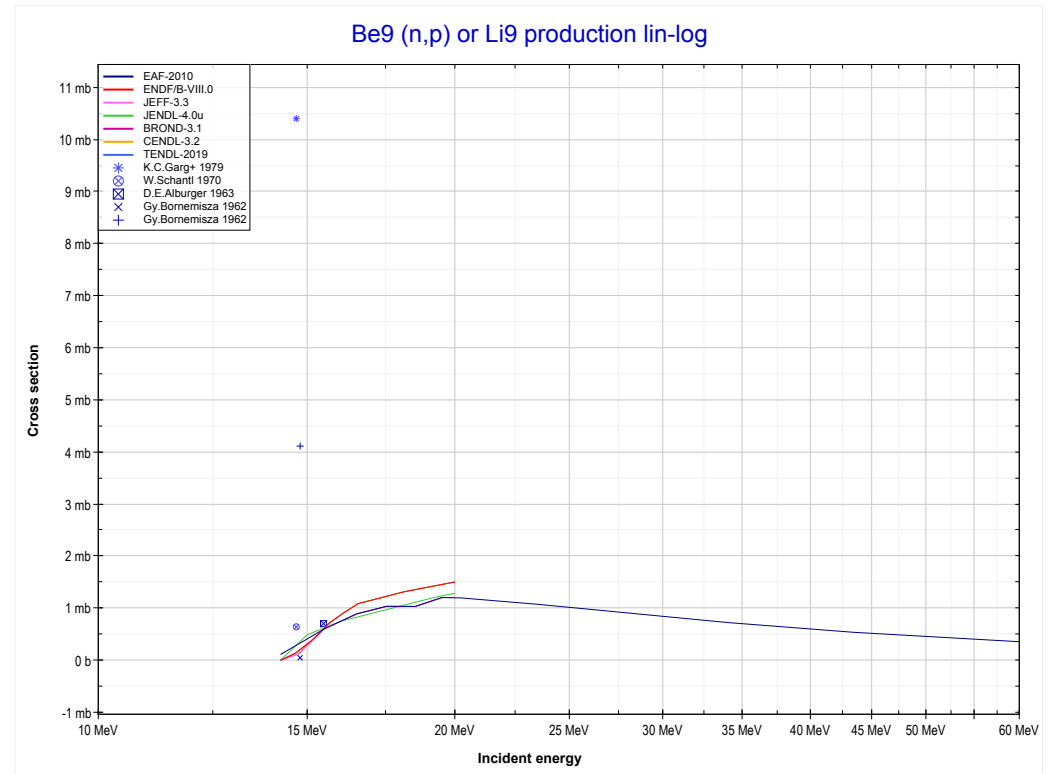
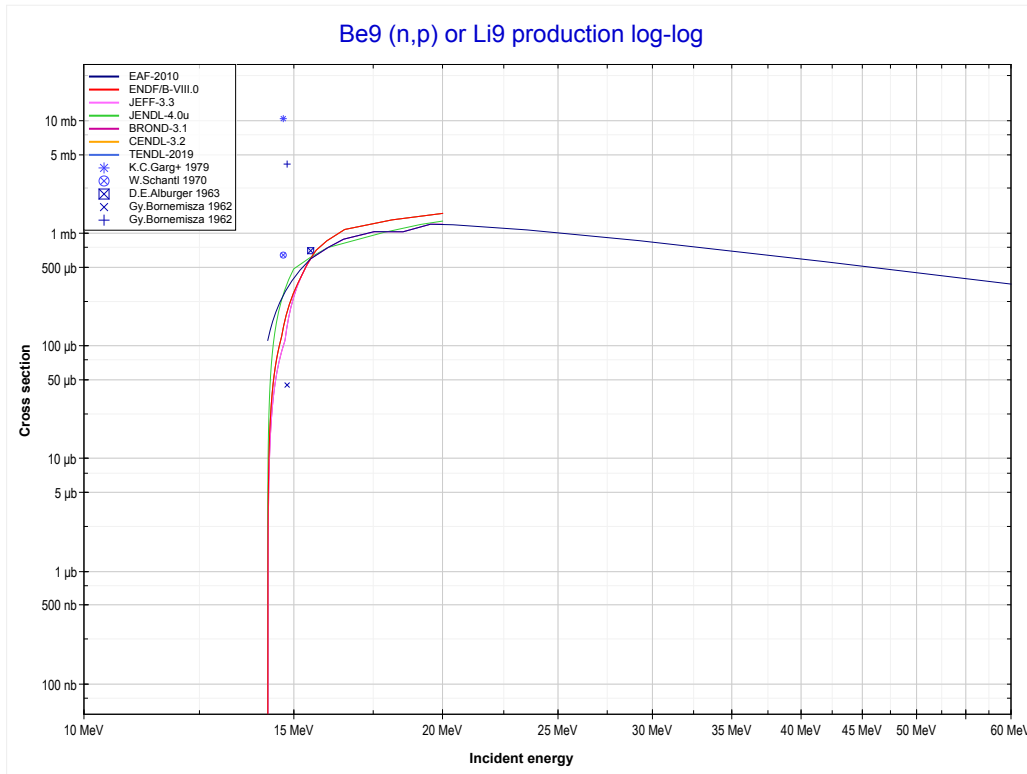
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.121782 b | 0.48208 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.118151 b | 0.486034 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.118885 b | 0.483803 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.121583 b | 0.48809 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.118152 b | 0.486034 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.118151 b | 0.486034 b |

| | | |
|----------------|---|----------------|
| << 3-Li-7 | 4-Be-9 | 4-Be-10 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Be10 production) | MT103 (n,p) >> |



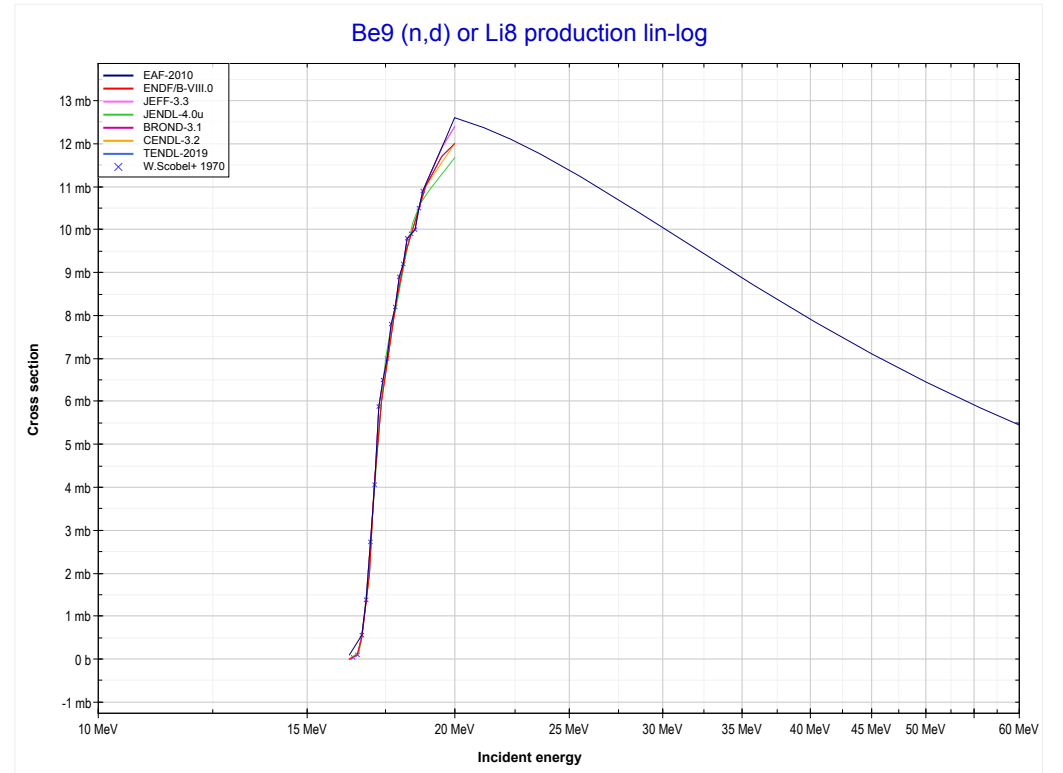
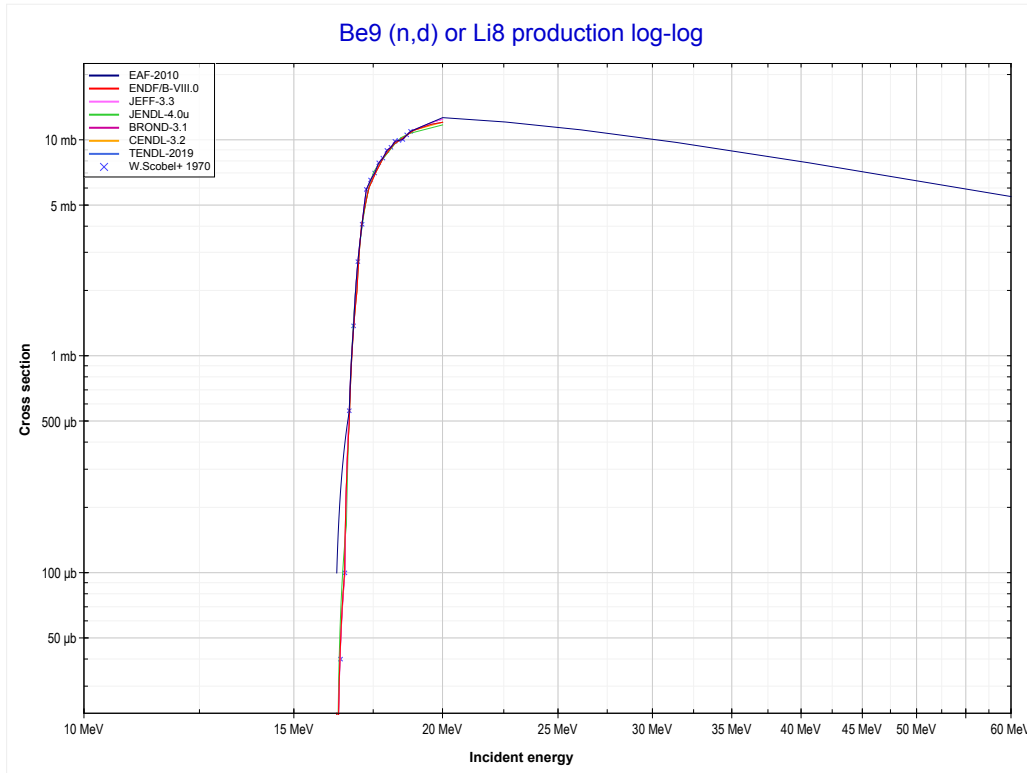
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0075244 b | 0.00751876 b | 0.007519 b | 1.00004 | 0.00338809 b | 9.98848E-6 b | 1.0652E-6 b |
| ENDF/B-VIII.0 | 0.0100343 b | 0.0100343 b | 0.010037 b | 1.00028 | 0.00451675 b | 2.40083E-6 b | 1.66053E-6 b |
| JEFF-3.3 | 0.00877696 b | 0.00877696 b | 0.00878 b | 1.00034 | 0.00395927 b | 1.16485E-5 b | 1.24202E-6 b |
| JENDL-4.0u | 0.00849304 b | 0.00849304 b | 0.0084959 b | 1.00033 | 0.00382067 b | 1.31166E-6 b | 3.60914E-7 b |
| BROND-3.1 | 0.00877796 b | 0.00877796 b | 0.0087809 b | 1.00034 | 0.00395992 b | 1.16477E-5 b | 1.24291E-6 b |
| CENDL-3.2 | 0.0086001 b | 0.0086001 b | 0.008601 b | 1.0001 | 0.00434454 b | 1E-4 b | 1E-4 b |
| TENDL-2019 | 0.0100307 b | 0.0100307 b | 0.010031 b | 1.00001 | 0.00450692 b | 2.40179E-6 b | 1.66053E-6 b |

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|-------------------------|--|----------------|
| << 4-Be-7 | 4-Be-9 | 5-B-11 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Li9 production) | MT104 (n,d) >> |



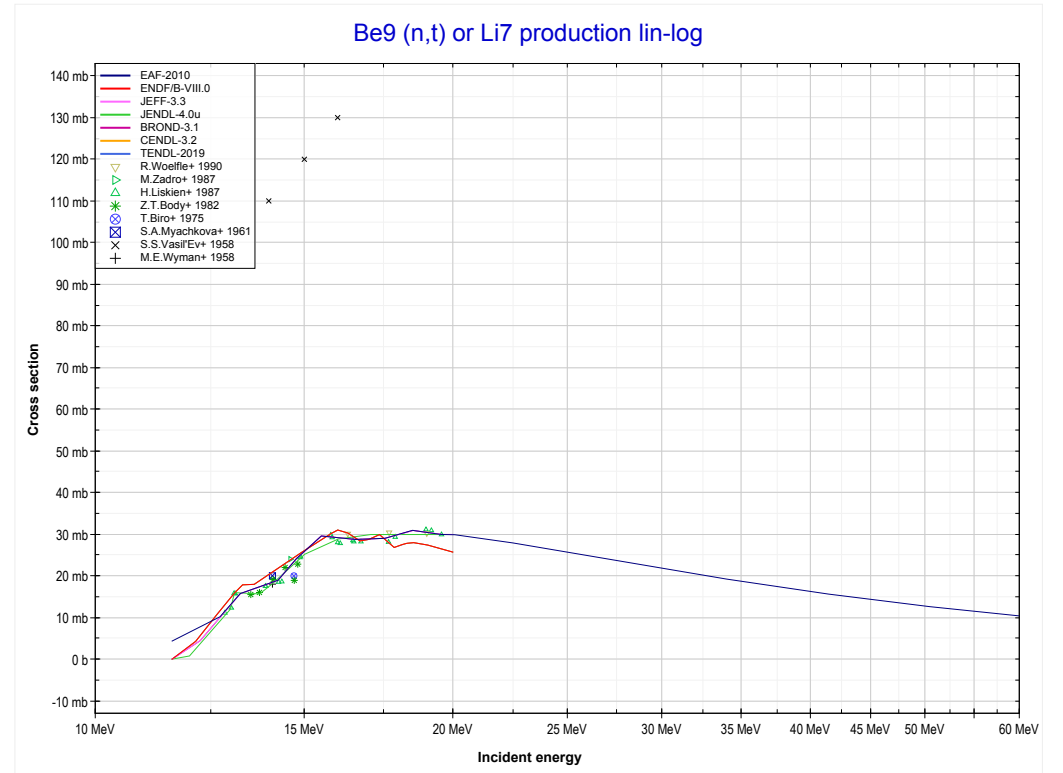
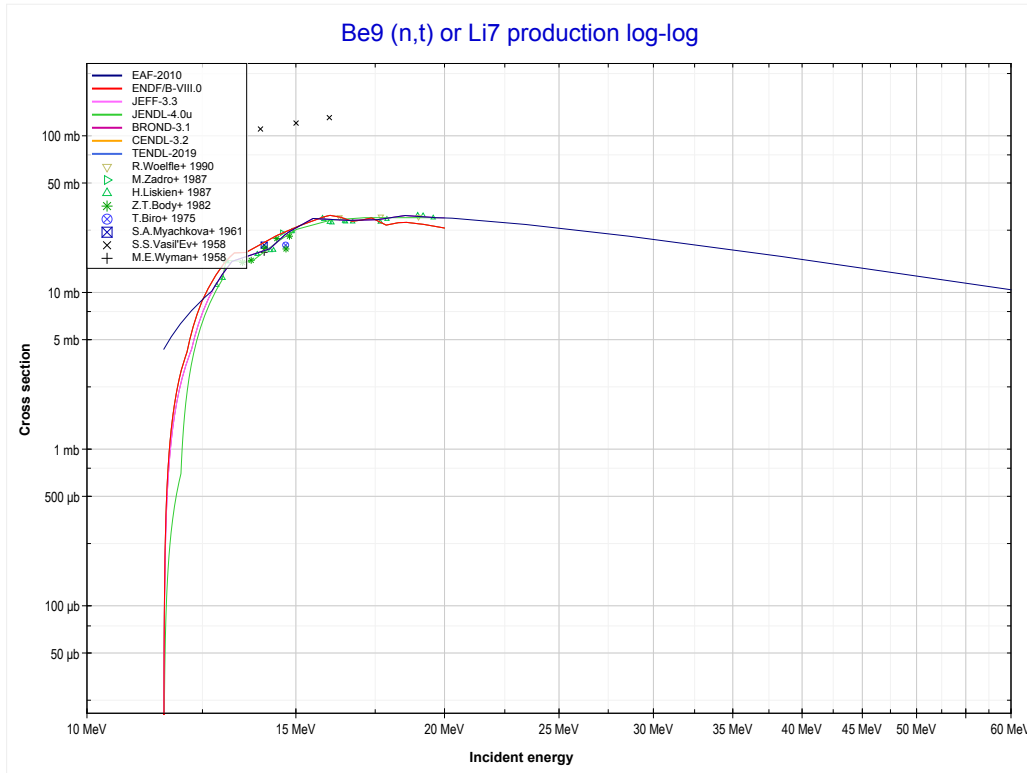
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.83067E-8 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.22559E-8 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47513E-8 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.15008E-8 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47514E-8 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.22554E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.22555E-8 b | 0 b |

| | | |
|----------------|--|----------------|
| << 3-Li-7 | 4-Be-9 | 6-C-12 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Li8 production) | MT105 (n,t) >> |



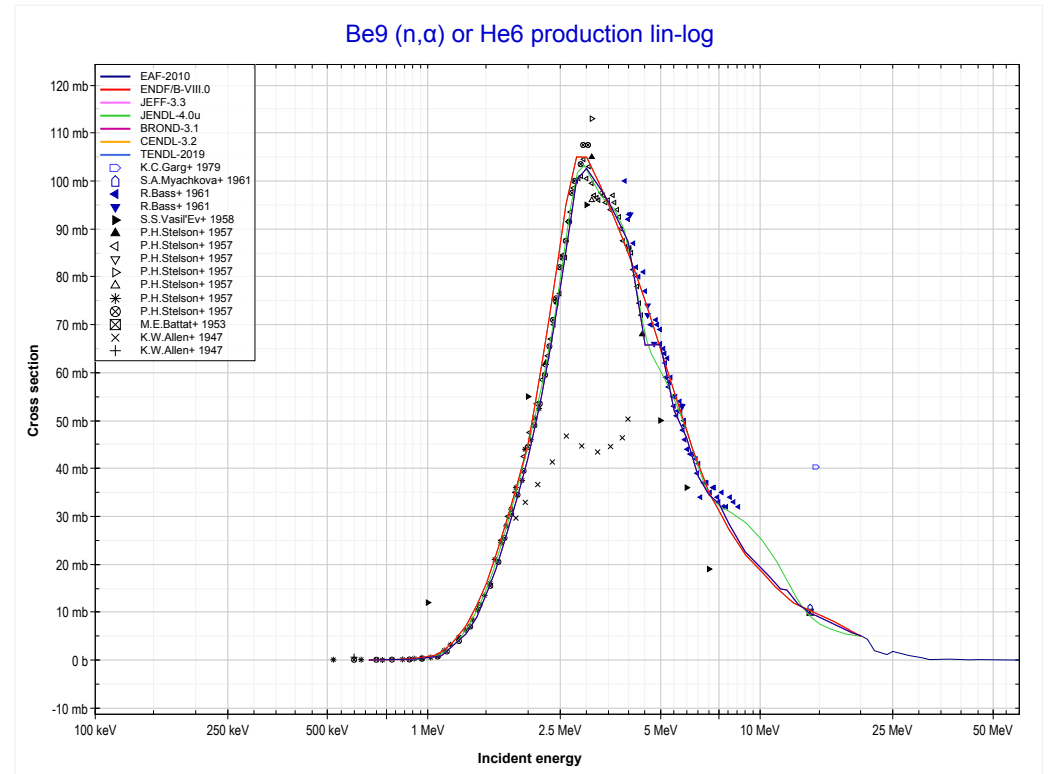
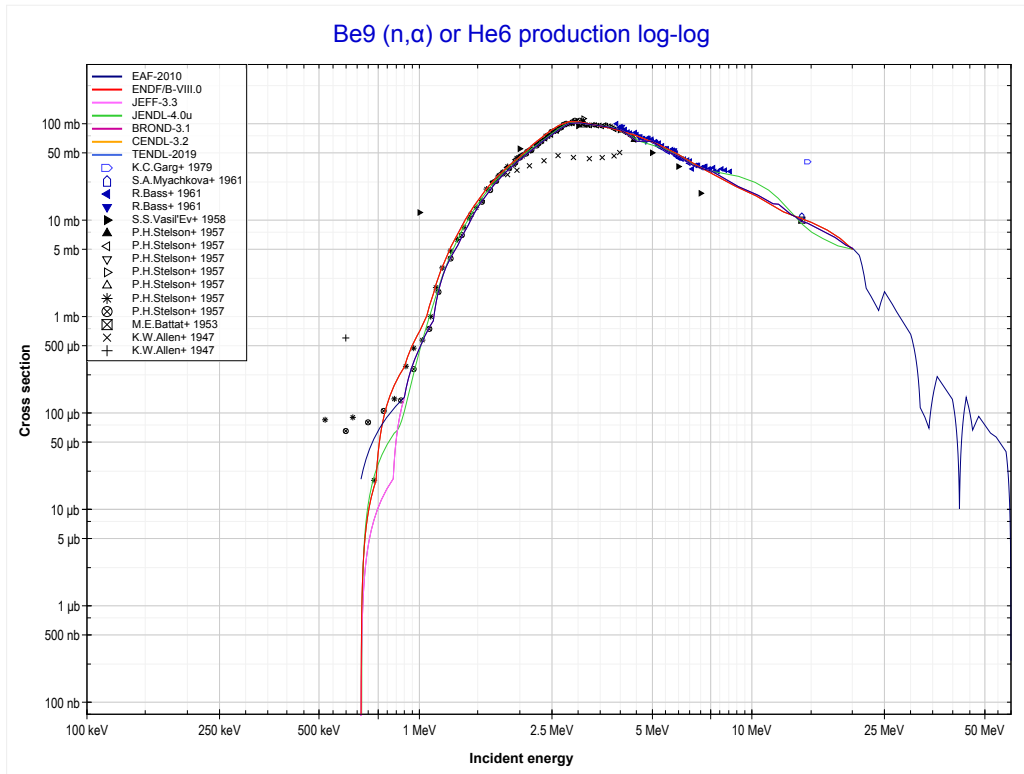
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07986E-7 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0471E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07171E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.05045E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07173E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04555E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04704E-7 b | 0 b |

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|----------------|--|-------------------------|
| << 3-Li-6 | 4-Be-9 | 5-B-11 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Li7 production) | MT107 (n, α) >> |



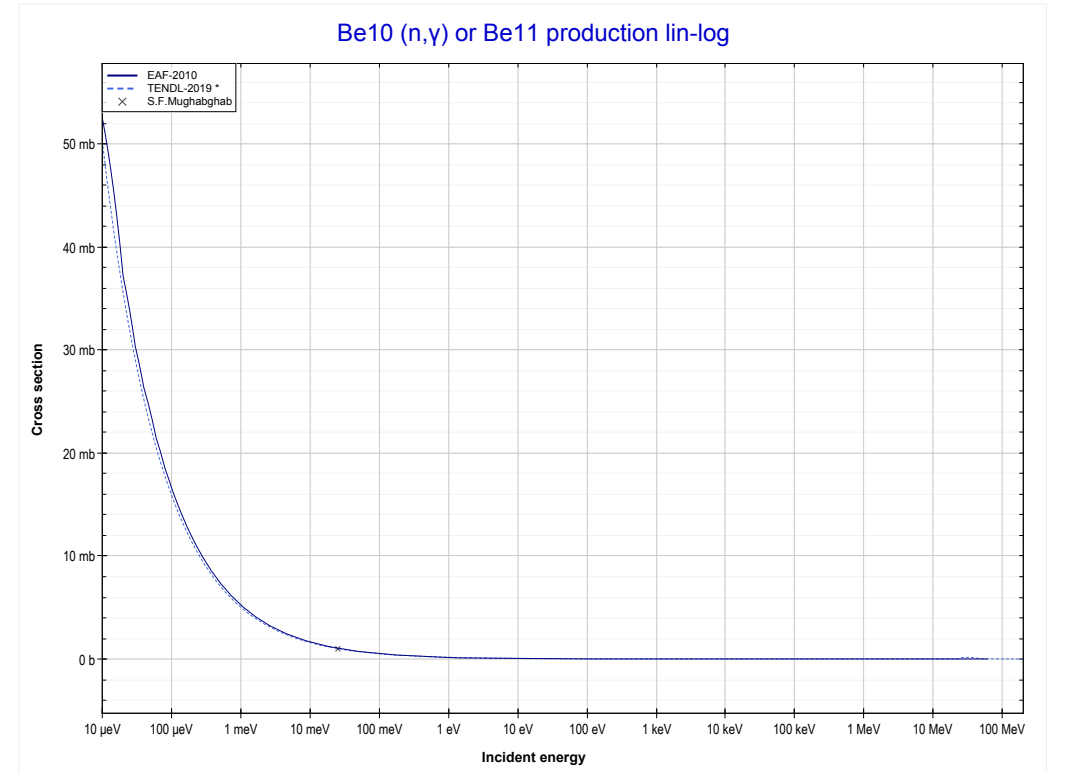
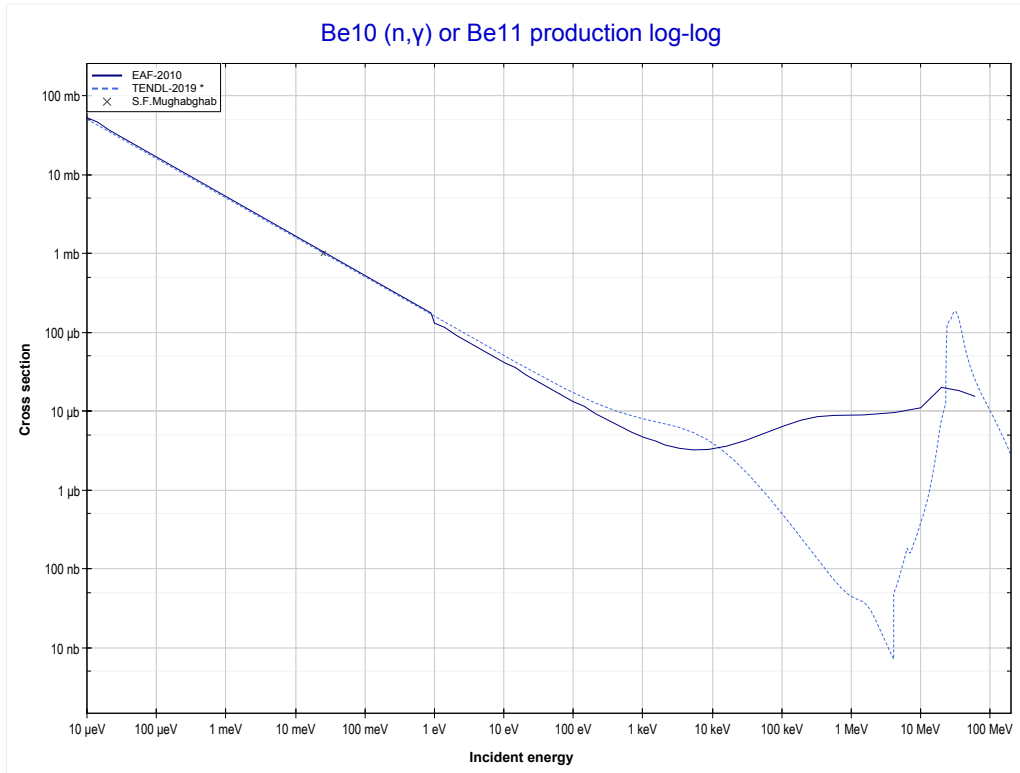
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.99234E-6 b | 0.018096 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.39292E-6 b | 0.02025 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74961E-6 b | 0.018096 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.24217E-6 b | 0.01734 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.75009E-6 b | 0.018096 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.39286E-6 b | 0.02025 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.39293E-6 b | 0.02025 b |

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|----------------|--|---------------------------------|
| << 4-Be-7 | 4-Be-9 | 5-B-10 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (He6 production) | 4-Be-10 MT102 (n, γ) >> |



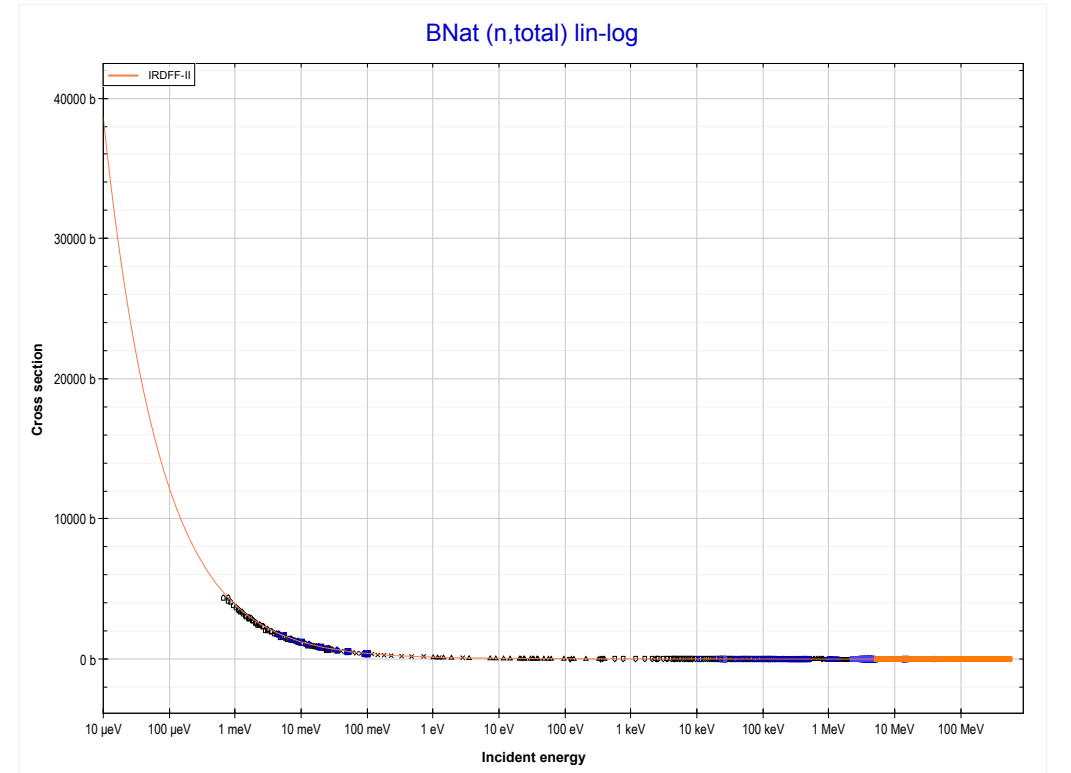
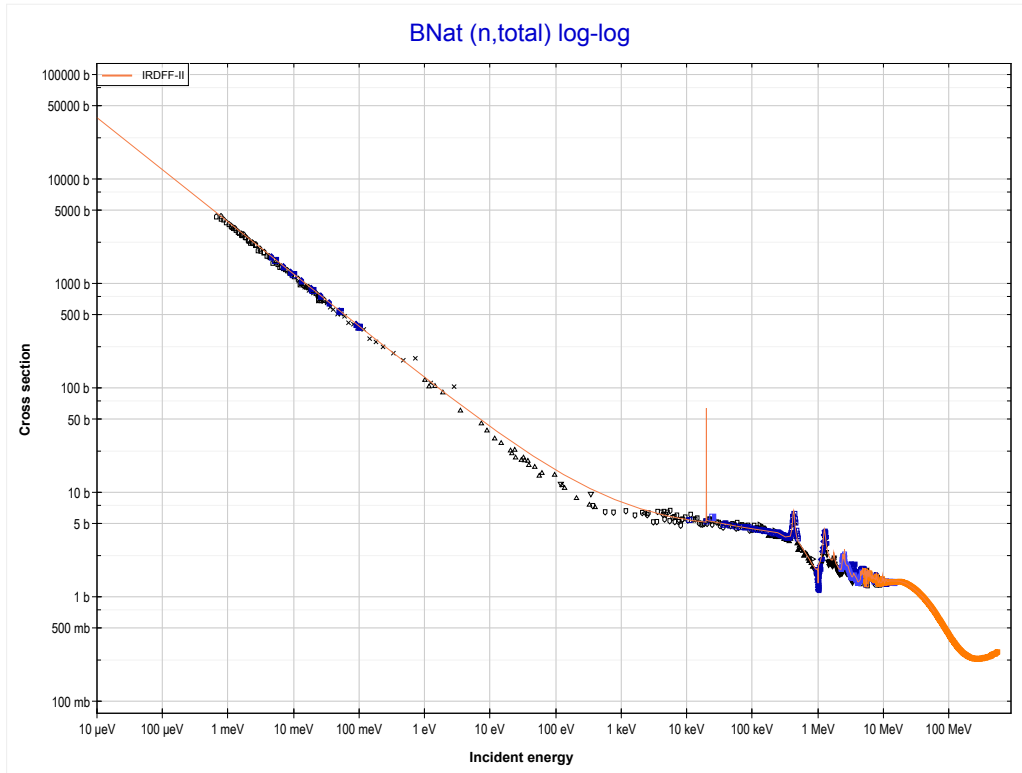
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0340269 b | 0.0097417 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0360406 b | 0.0105 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0340234 b | 0.0097417 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.034642 b | 0.00941887 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0340234 b | 0.0097417 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0360354 b | 0.0105 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0360406 b | 0.0105 b |

| | | |
|--------------------------------|---|--------------------------|
| << 4-Be-9 | 4-Be-10 | 5-B-10 >> |
| << 4-Be-9 MT107 (n, α) | MT102 (n,γ) or MT5 (Be11 production) | 5-B-Nat MT1 (n,total) >> |



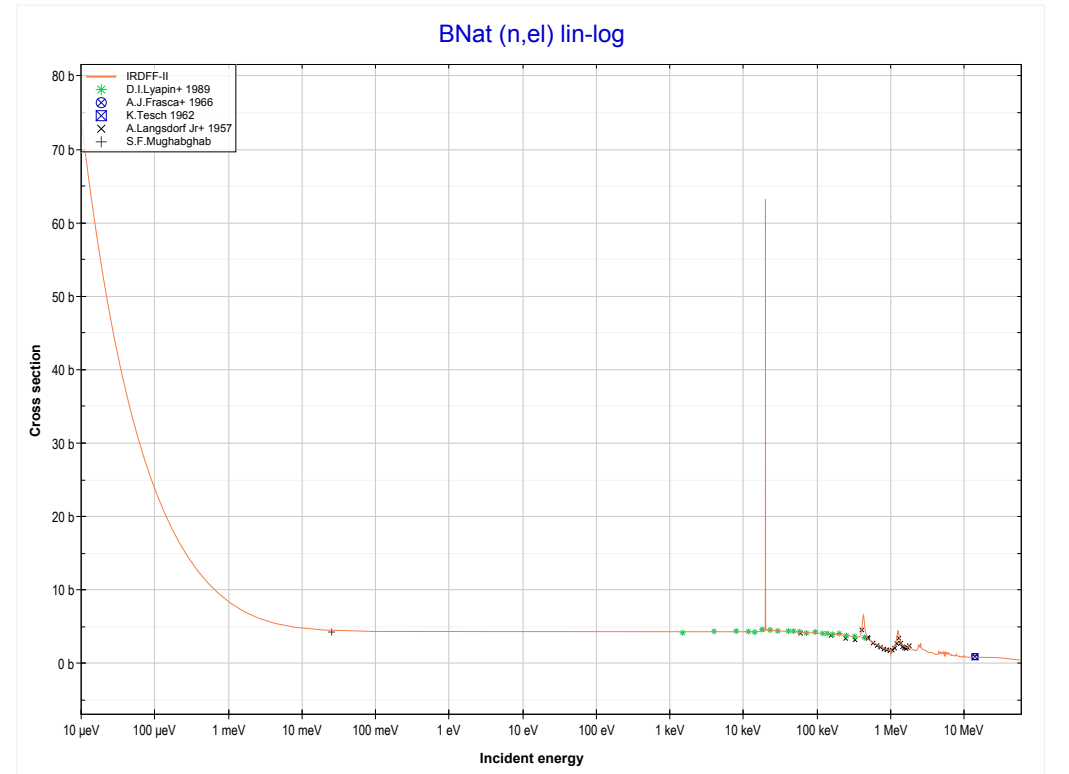
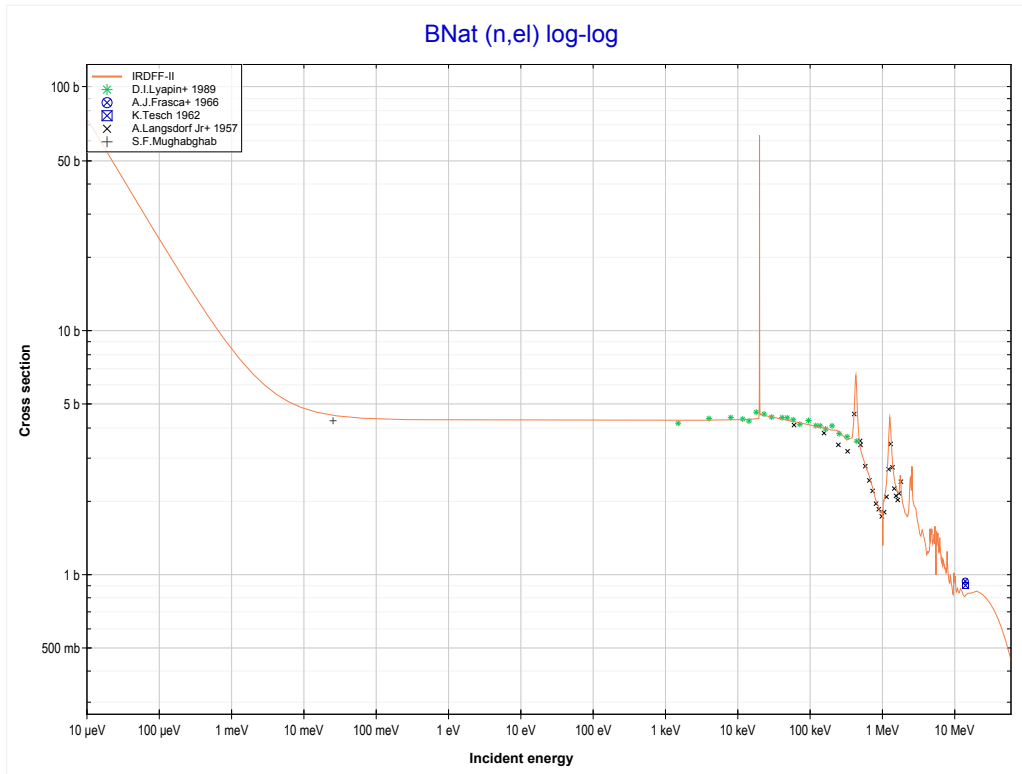
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.001045 b | 0.00104428 b | 0.001045 b | 1.00078 | 4.12427E-4 b | 8.98279E-6 b | 1.46E-5 b |
| TENDL-2019 | 9.99928E-4 b | 9.99928E-4 b | 0.001 b | 1.00007 | 4.6535E-4 b | 7.7275E-8 b | 1.17329E-6 b |

| | | |
|---------------------------------|----------------------|--------------------|
| << 4-Be-9 | 5-B-Nat | 5-B-10 >> |
| << 4-Be-10 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



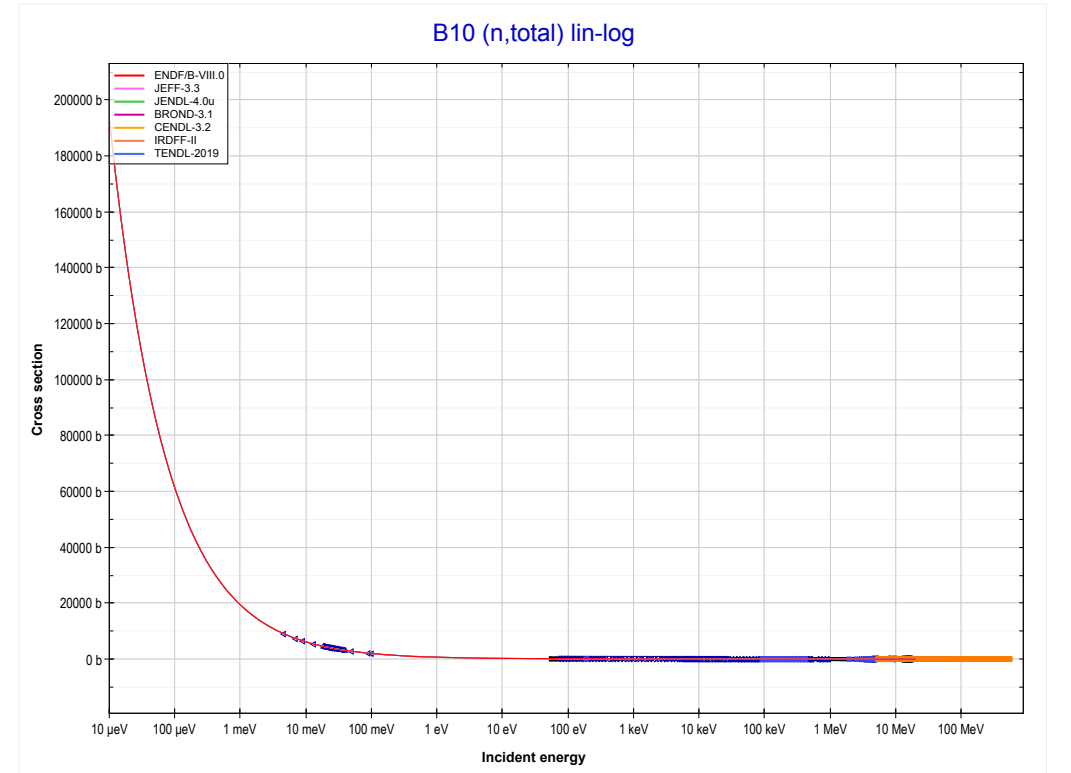
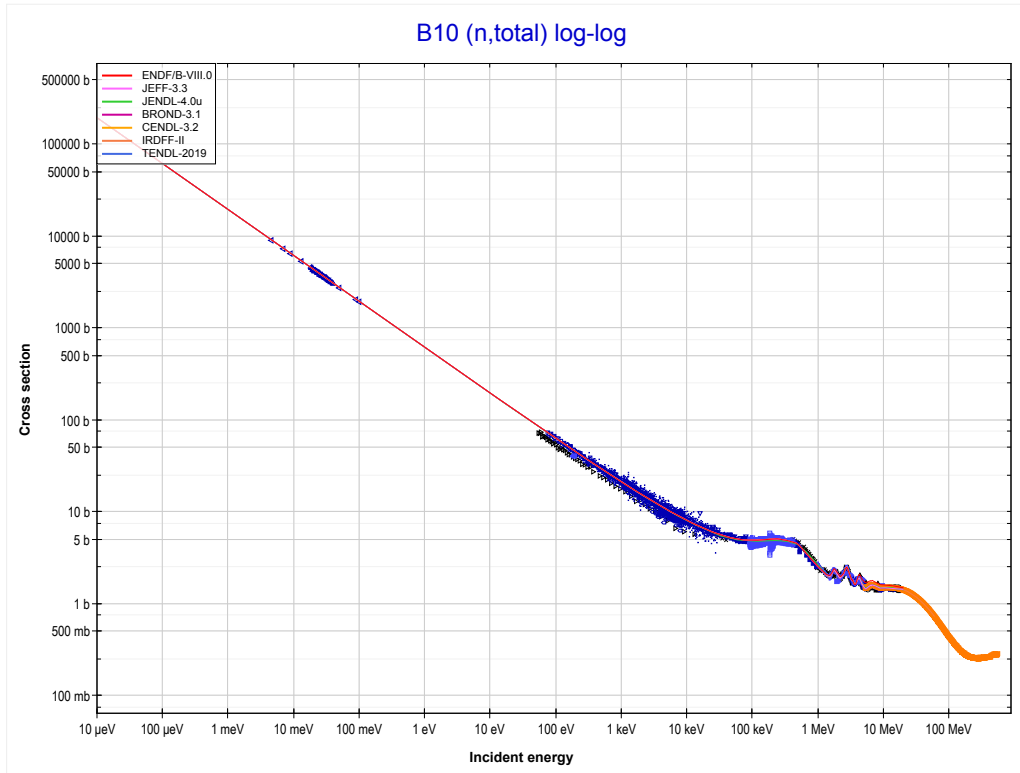
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 769.954 b | 769.954 b | 770.88 b | 1.0012 | 395.967 b | 2.48256 b | 1.4294 b |

| | | |
|------------------|------------------------|-------------------------|
| << 4-Be-9 | 5-B-Nat | 5-B-10 >> |
| << MT1 (n,total) | MT2 (n,elastic) | 5-B-10 MT1 (n,total) >> |



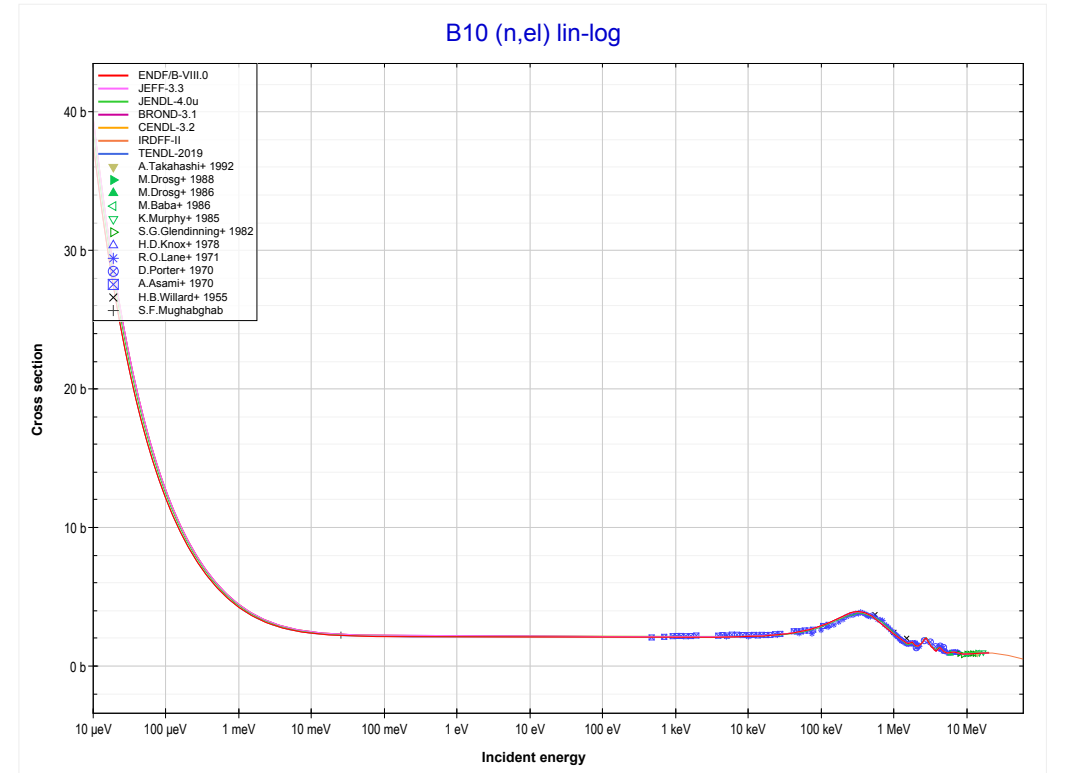
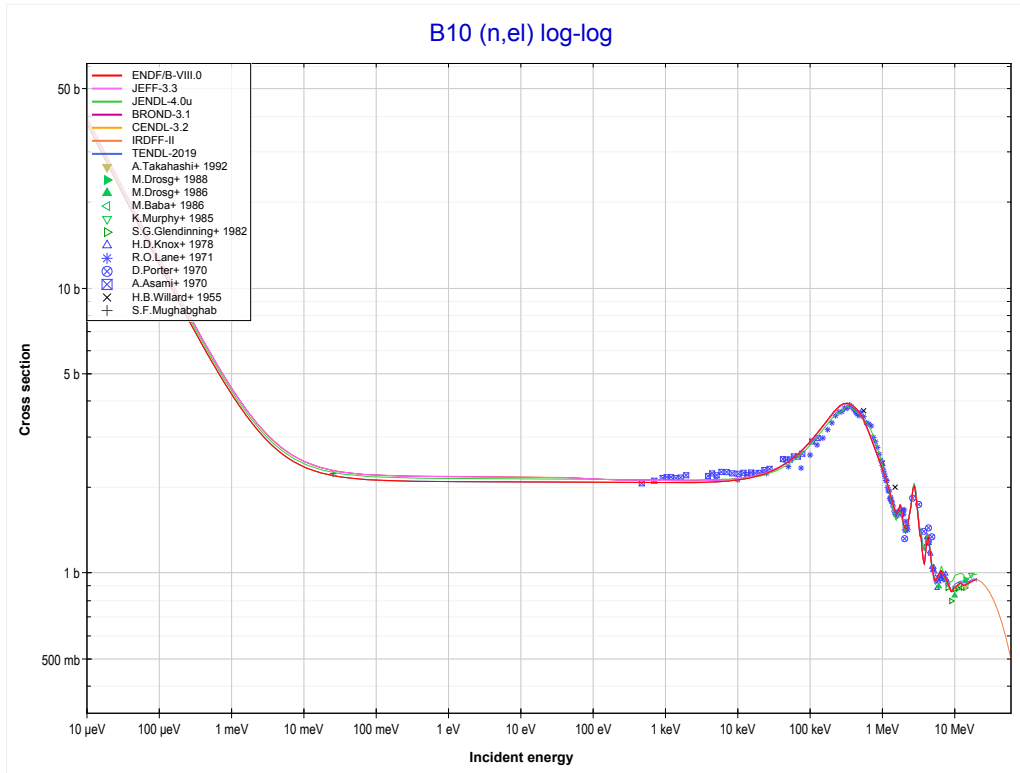
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 4.49101 b | 4.49101 b | 5.0642 b | 1.12764 | 52.6652 b | 2.34807 b | 0.814157 b |

| | | |
|----------------------------|----------------------|--------------------|
| << 5-B-Nat | 5-B-10 | 5-B-11 >> |
| << 5-B-Nat MT2 (n,elastic) | MT1 (n,total) | MT2 (n,elastic) >> |



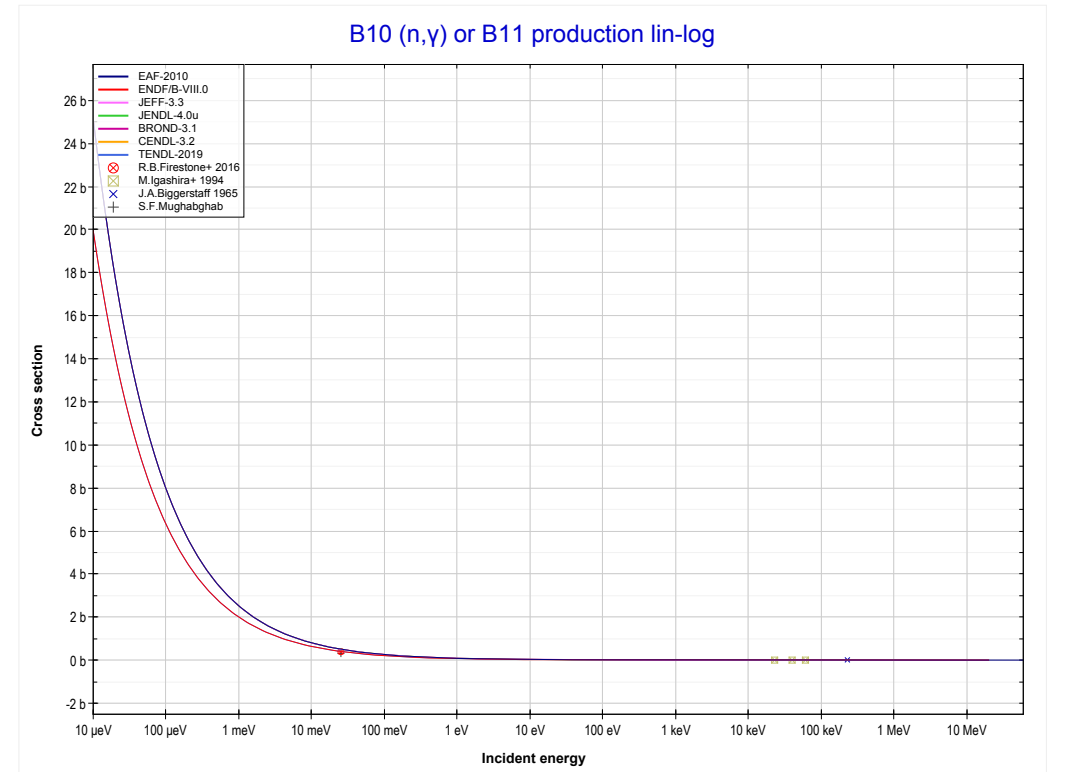
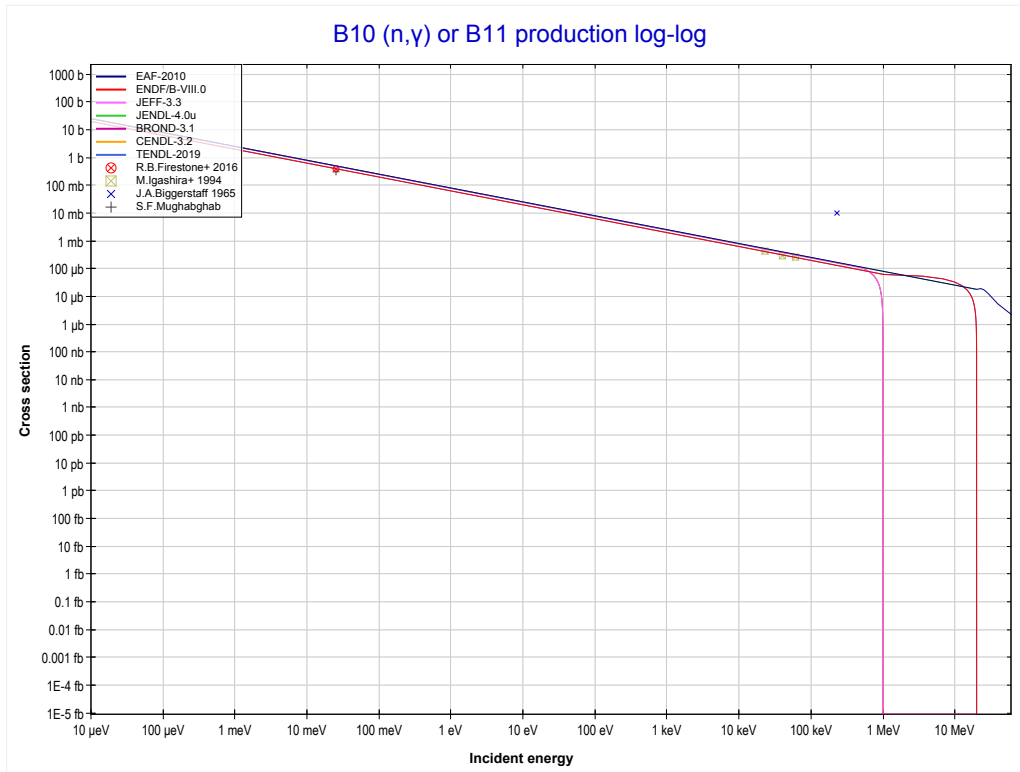
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3848.11 b | 3848.11 b | 3849.5 b | 1.00037 | 1753.13 b | 2.68124 b | 1.5639 b |
| JEFF-3.3 | 3846.32 b | 3846.32 b | 3847.6 b | 1.00034 | 1751.72 b | 2.64038 b | 1.4676 b |
| JENDL-4.0u | 3840.98 b | 3840.98 b | 3842.1 b | 1.00029 | 1743.94 b | 2.66401 b | 1.46666 b |
| BROND-3.1 | 3846.32 b | 3846.32 b | 3847.6 b | 1.00034 | 1751.72 b | 2.64038 b | 1.4676 b |
| CENDL-3.2 | 3845.76 b | 3845.76 b | 3846.4 b | 1.00018 | 1750.03 b | 2.64087 b | 1.4676 b |
| IRDFF-II | 3848.72 b | 3848.72 b | 3850.8 b | 1.00054 | 1751.23 b | 2.63366 b | 1.48684 b |
| TENDL-2019 | 3848.06 b | 3848.06 b | 3849.1 b | 1.00028 | 1750.56 b | 2.63365 b | 1.48684 b |

| | | |
|------------------|------------------------|-------------------------|
| << 5-B-Nat | 5-B-10 | 5-B-11 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



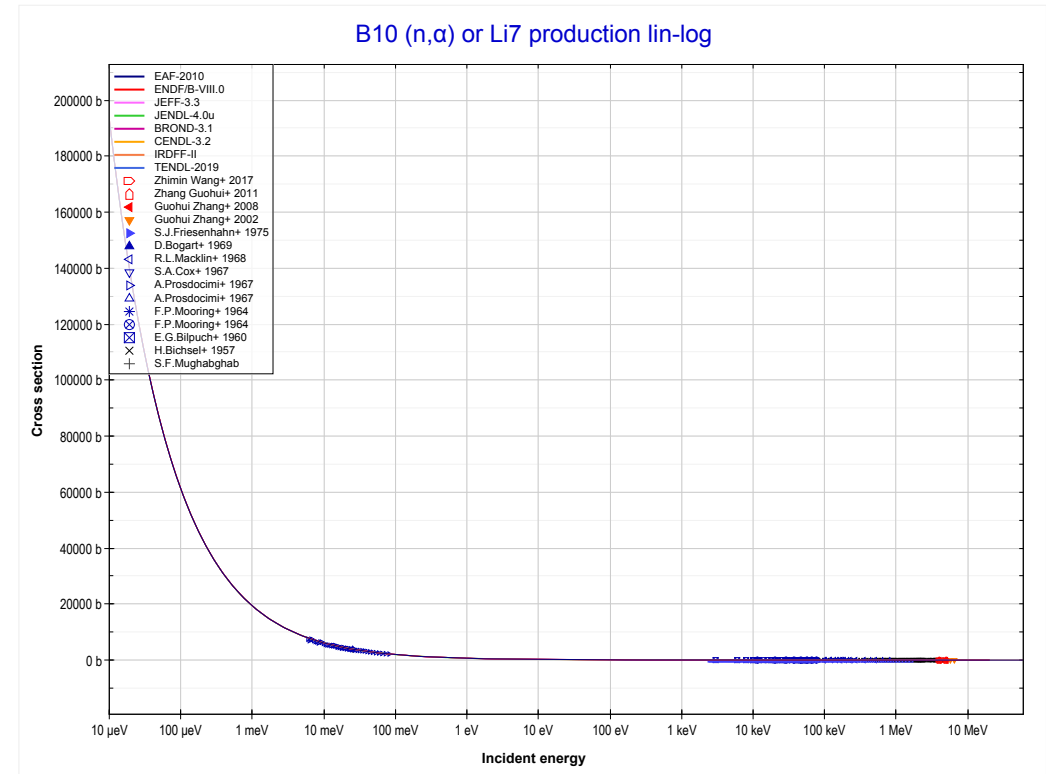
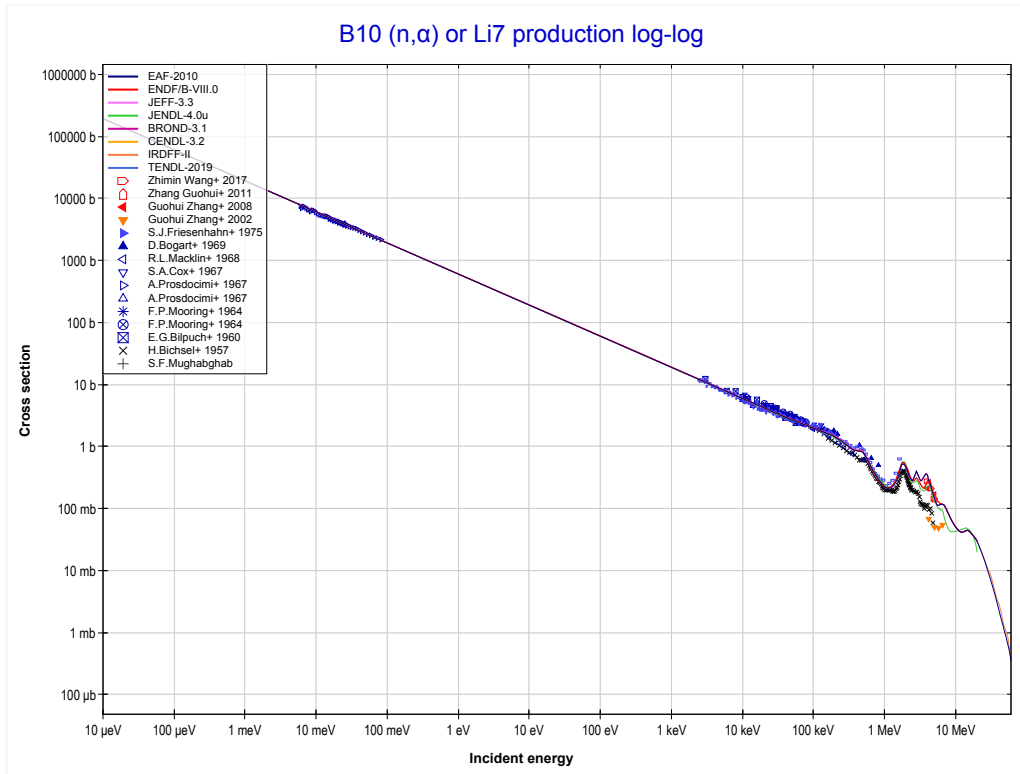
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.19383 b | 2.19383 b | 2.4727 b | 1.1271 | 26.0689 b | 2.08644 b | 0.907458 b |
| JEFF-3.3 | 2.28669 b | 2.28669 b | 2.5776 b | 1.12722 | 26.693 b | 2.08733 b | 0.907458 b |
| JENDL-4.0u | 2.25194 b | 2.25194 b | 2.5382 b | 1.12712 | 26.5134 b | 2.09573 b | 0.94251 b |
| BROND-3.1 | 2.28669 b | 2.28669 b | 2.5776 b | 1.12722 | 26.693 b | 2.08733 b | 0.907458 b |
| CENDL-3.2 | 2.28669 b | 2.28669 b | 2.5777 b | 1.12725 | 26.7069 b | 2.08732 b | 0.907458 b |
| IRDFF-II | 2.19383 b | 2.19383 b | 2.4734 b | 1.12743 | 26.0811 b | 2.08638 b | 0.907458 b |
| TENDL-2019 | 2.19383 b | 2.19383 b | 2.4727 b | 1.12713 | 26.0813 b | 2.08208 b | 0.926681 b |

| | | |
|--------------------|--|-------------------------|
| << 4-Be-10 | 5-B-10 | 5-B-11 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (B11 production) | MT107 (n, α) >> |



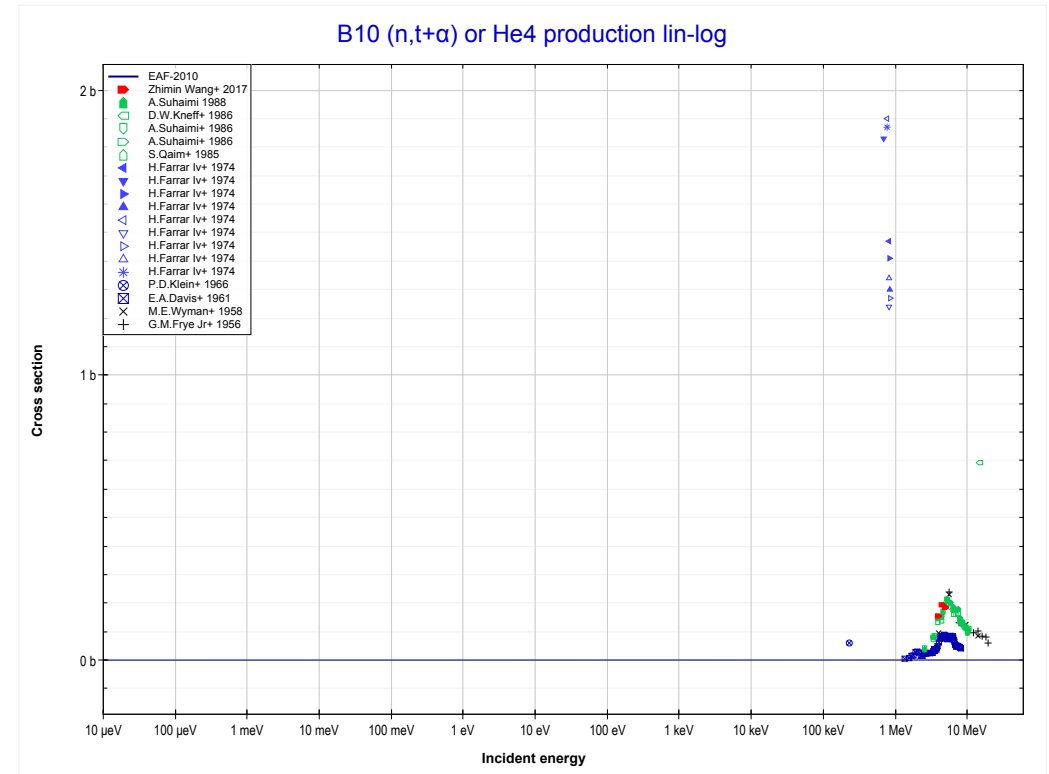
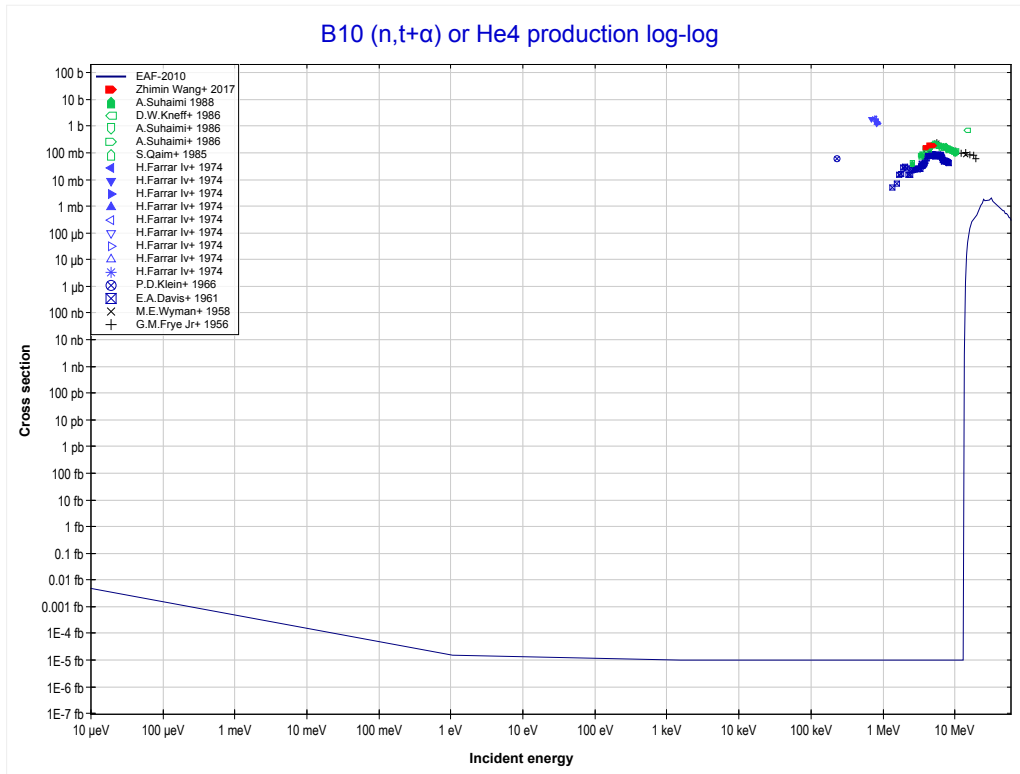
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.500522 b | 0.500147 b | 0.50004 b | 0.99978 | 0.224671 b | 7.72334E-5 b | 2.1258E-5 b |
| ENDF/B-VIII.0 | 0.396199 b | 0.396199 b | 0.39634 b | 1.00035 | 0.178022 b | 6.98735E-5 b | 1.94454E-5 b |
| JEFF-3.3 | 0.500021 b | 0.500021 b | 0.50003 b | 1.00001 | 0.223503 b | 3.31534E-5 b | 0 b |
| JENDL-4.0u | 0.500165 b | 0.500165 b | 0.50029 b | 1.00025 | 0.22462 b | 7.71852E-5 b | 2.12552E-5 b |
| BROND-3.1 | 0.500021 b | 0.500021 b | 0.50003 b | 1.00001 | 0.223503 b | 3.31534E-5 b | 0 b |
| CENDL-3.2 | 0.499867 b | 0.499867 b | 0.49973 b | 0.99973 | 0.223068 b | 3.31572E-5 b | 0 b |
| TENDL-2019 | 0.396057 b | 0.396057 b | 0.3961 b | 1.0001 | 0.177654 b | 6.98878E-5 b | 1.94453E-5 b |

| | | |
|-------------------------|--|---------------------------|
| << 4-Be-9 | 5-B-10 | 5-B-11 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Li7 production) | MT155 (n,t+ α) >> |



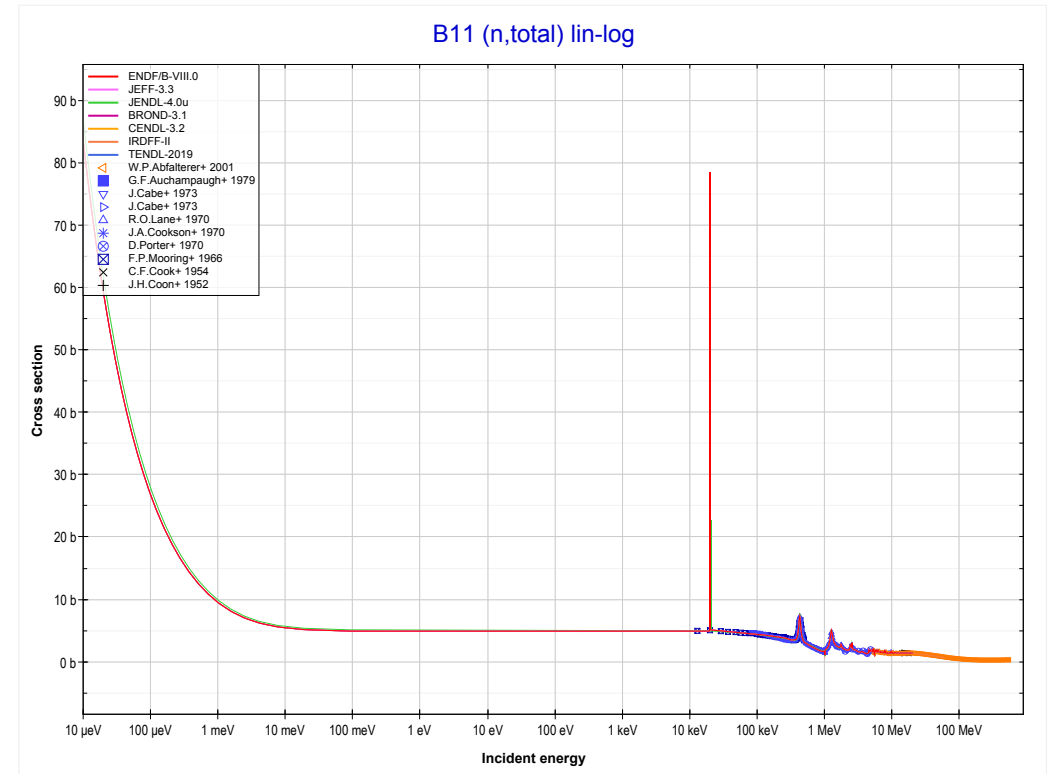
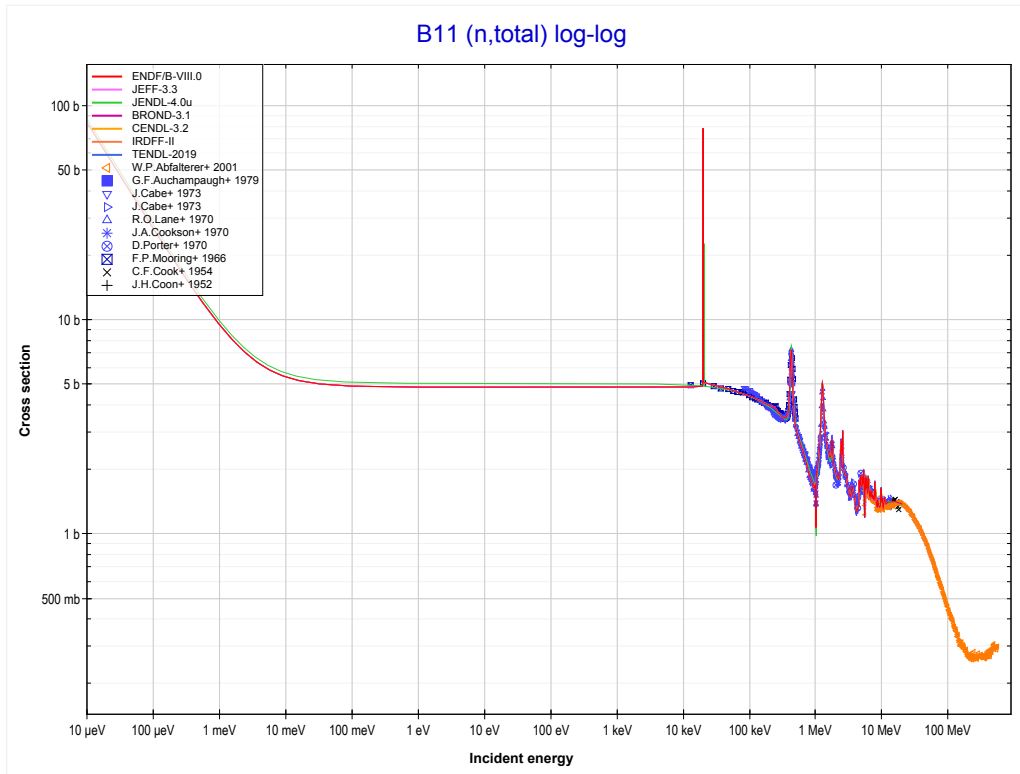
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3839.5 b | 3836.8 b | 3837.9 b | 1.00032 | 1721.01 b | 0.458749 b | 0.044373 b |
| ENDF/B-VIII.0 | 3845.51 b | 3845.51 b | 3846.7 b | 1.0003 | 1726.88 b | 0.454498 b | 0.044373 b |
| JEFF-3.3 | 3843.53 b | 3843.53 b | 3844.6 b | 1.00027 | 1724.8 b | 0.461456 b | 0.044373 b |
| JENDL-4.0u | 3838.22 b | 3838.22 b | 3839.1 b | 1.00022 | 1717.19 b | 0.443451 b | 0.0489546 b |
| BROND-3.1 | 3843.53 b | 3843.53 b | 3844.6 b | 1.00027 | 1724.8 b | 0.461456 b | 0.044373 b |
| CENDL-3.2 | 3842.34 b | 3842.34 b | 3842.3 b | 0.99999 | 1721.46 b | 0.461476 b | 0.044373 b |
| IRDFF-II | 3844.13 b | 3844.13 b | 3845.4 b | 1.00032 | 1723.98 b | 0.454546 b | 0.044373 b |
| TENDL-2019 | 3844.13 b | 3844.13 b | 3844.3 b | 1.00005 | 1723.31 b | 0.454536 b | 0.044373 b |

| | | |
|-------------------------|--|-------------------------|
| 5-B-10 | | |
| << MT107 (n, α) | MT155 (n,t+α) or MT5 (He4 production) | 5-B-11 MT1 (n,total) >> |



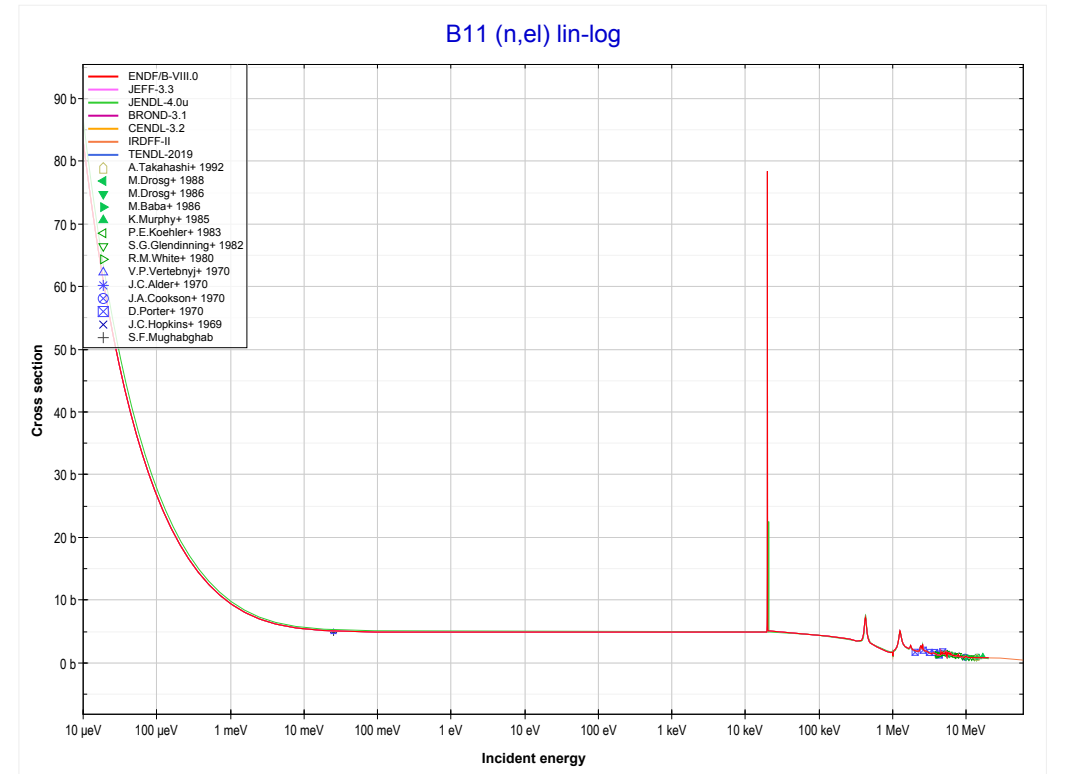
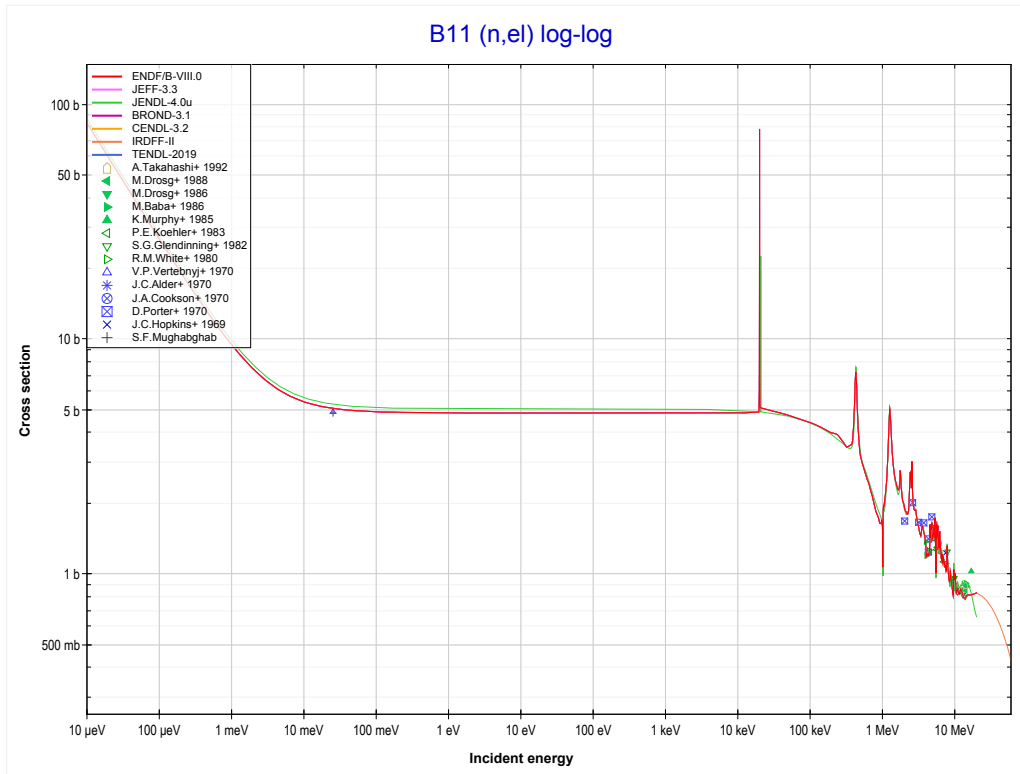
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------------|---------------|--------------------|---------------|
| B10(n,t+ α)He4 | 322.29 keV | B10(n,2n+2p+t)He4 | -27973.37 keV |
| B10(n,n+d+ α)He4 | -5934.94 keV | B10(n,3n+p+He3)He4 | -28737.13 keV |
| B10(n,2n+p+ α)He4 | -8159.51 keV | B10(n,n+3d)He4 | -29781.47 keV |
| B10(n,p+2t)He4 | -19491.58 keV | B10(n,2n+p+2d)He4 | -32006.04 keV |
| B10(n,n+t+He3)He4 | -20255.33 keV | B10(n,3n+2p+d)He4 | -34230.60 keV |
| B10(n,2d+t)He4 | -23524.24 keV | B10(n,4n+3p)He4 | -36455.17 keV |
| B10(n,n+p+d+t)He4 | -25748.81 keV | | |
| B10(n,2n+d+He3)He4 | -26512.56 keV | | |

| | | |
|-------------------------|----------------------|--------------------|
| << 5-B-10 | 5-B-11 | 6-C-Nat >> |
| << 5-B-10 MT155 (n,t+α) | MT1 (n,total) | MT2 (n,elastic) >> |



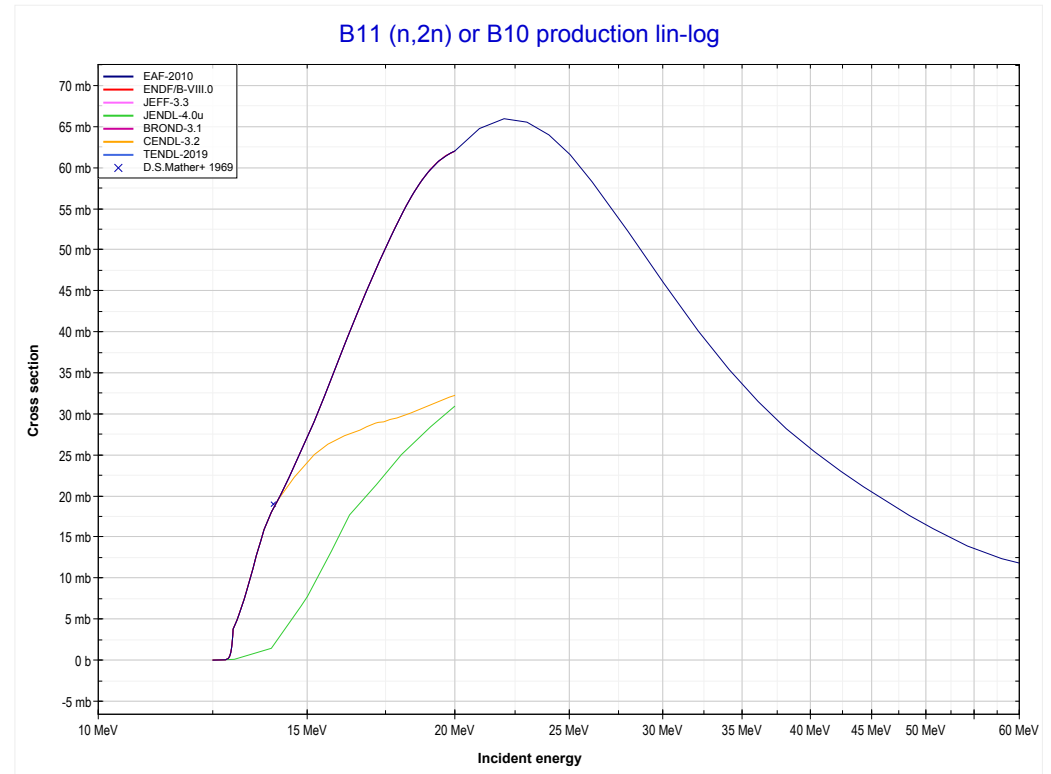
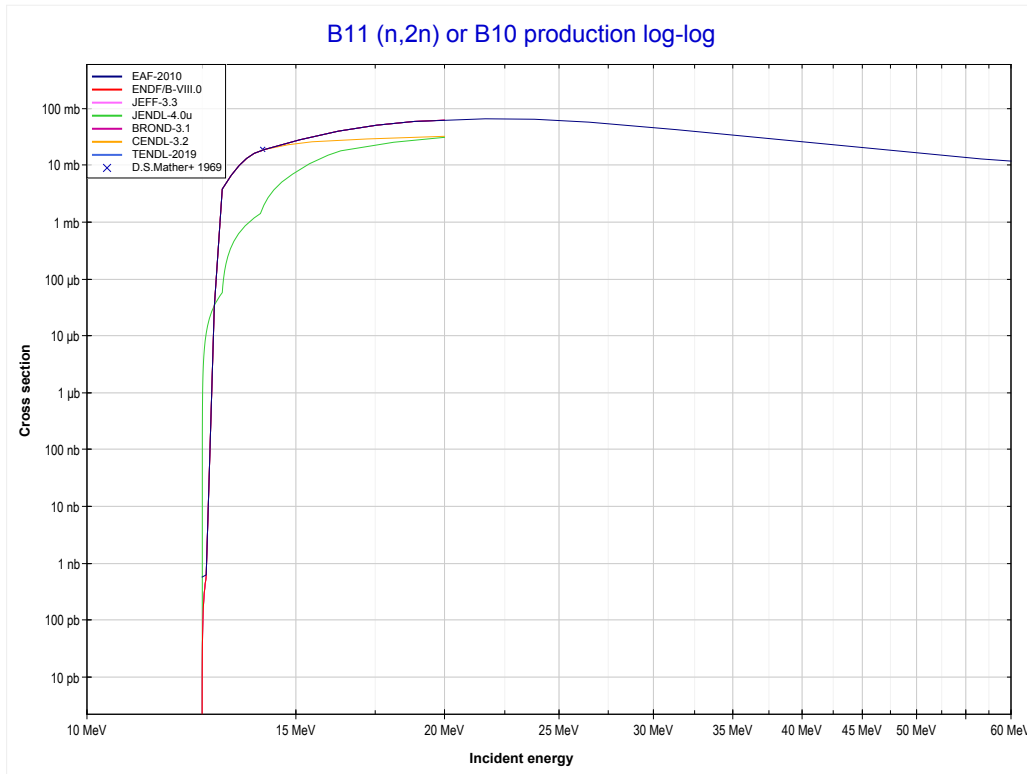
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.06723 b | 5.06723 b | 5.7118 b | 1.1272 | 59.2494 b | 2.44488 b | 1.41513 b |
| JEFF-3.3 | 5.06723 b | 5.06723 b | 5.7118 b | 1.1272 | 59.2494 b | 2.44488 b | 1.41513 b |
| JENDL-4.0u | 5.28153 b | 5.28153 b | 5.9534 b | 1.12721 | 60.9234 b | 2.44246 b | 1.41496 b |
| BROND-3.1 | 5.06723 b | 5.06723 b | 5.7118 b | 1.1272 | 59.2494 b | 2.44488 b | 1.41513 b |
| CENDL-3.2 | 5.06723 b | 5.06723 b | 5.7119 b | 1.12723 | 59.2606 b | 2.445 b | 1.41513 b |
| IRDFF-II | 5.06723 b | 5.06723 b | 5.7152 b | 1.12787 | 59.2754 b | 2.44502 b | 1.41513 b |
| TENDL-2019 | 5.06723 b | 5.06723 b | 5.7119 b | 1.12723 | 59.2597 b | 2.44502 b | 1.41513 b |

| | | |
|------------------|------------------------|----------------|
| << 5-B-10 | 5-B-11 | 6-C-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



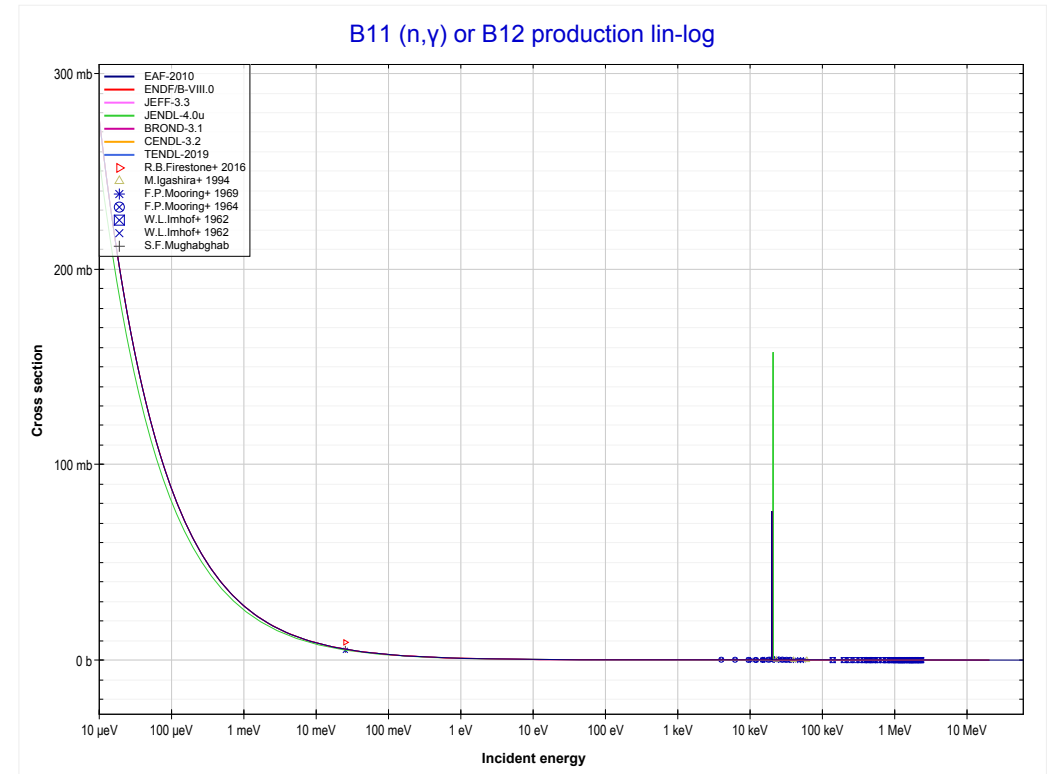
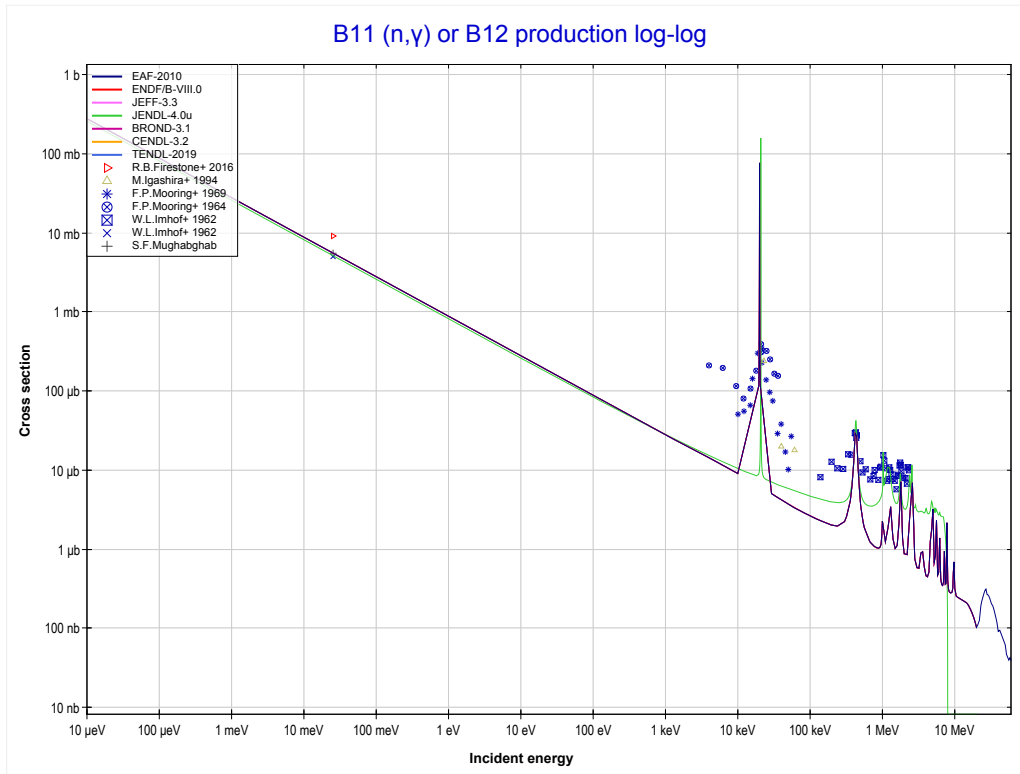
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.06173 b | 5.06173 b | 5.7063 b | 1.12734 | 59.2466 b | 2.413 b | 0.790977 b |
| JEFF-3.3 | 5.06173 b | 5.06173 b | 5.7063 b | 1.12734 | 59.2466 b | 2.413 b | 0.790977 b |
| JENDL-4.0u | 5.27644 b | 5.27644 b | 5.9483 b | 1.12733 | 60.9208 b | 2.4122 b | 0.93489 b |
| BROND-3.1 | 5.06173 b | 5.06173 b | 5.7063 b | 1.12734 | 59.2466 b | 2.413 b | 0.790977 b |
| CENDL-3.2 | 5.06172 b | 5.06172 b | 5.7064 b | 1.12737 | 59.2713 b | 2.41309 b | 0.790977 b |
| IRDFF-II | 5.06173 b | 5.06173 b | 5.7097 b | 1.12801 | 59.2673 b | 2.41309 b | 0.790977 b |
| TENDL-2019 | 5.06172 b | 5.06172 b | 5.7064 b | 1.12737 | 59.2704 b | 2.41309 b | 0.790977 b |

| | | |
|--------------------|--|-------------------------|
| << 4-Be-9 | 5-B-11 | 6-C-12 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (B10 production) | MT102 (n, γ) >> |



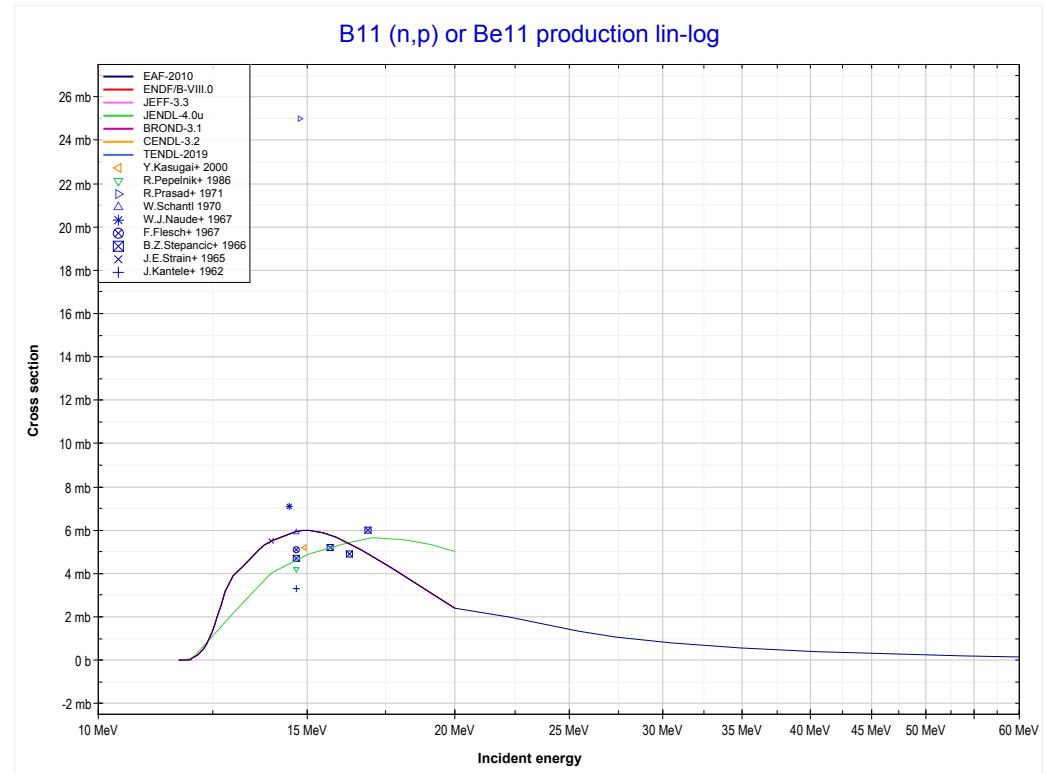
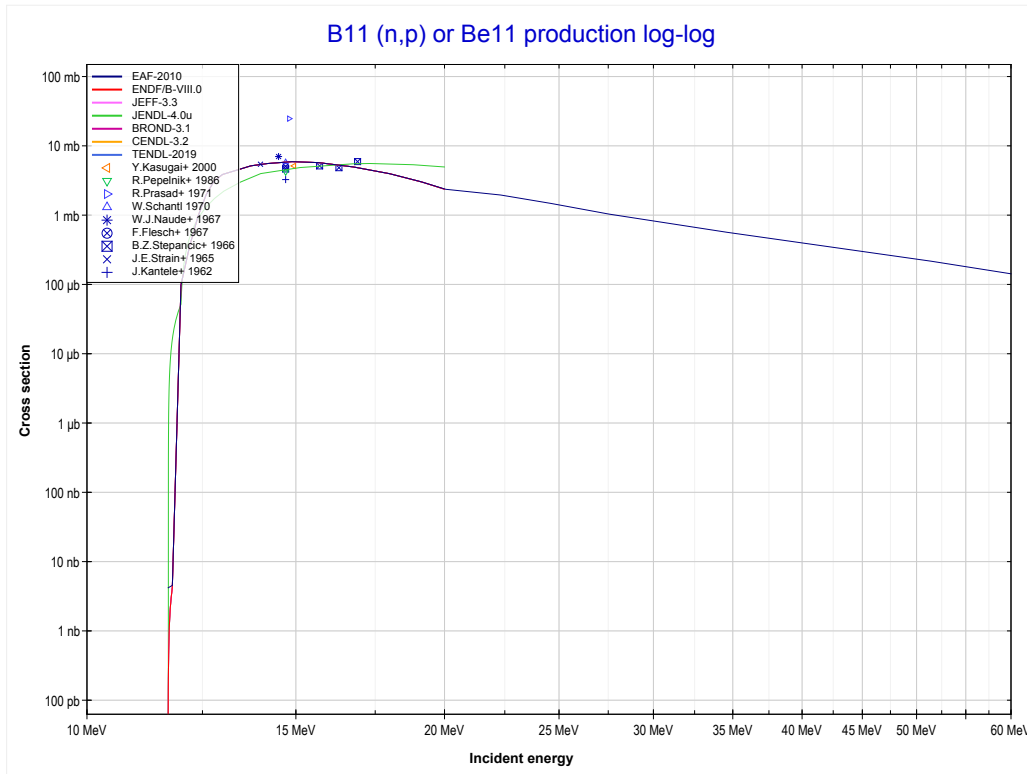
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78774E-6 b | 0.018 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78885E-6 b | 0.018 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78885E-6 b | 0.018 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.23225E-6 b | 0.00141444 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78885E-6 b | 0.018 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.07431E-6 b | 0.018 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78836E-6 b | 0.018 b |

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|----------------|--|----------------|
| << 5-B-10 | 5-B-11 | 6-C-Nat >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (B12 production) | MT103 (n,p) >> |



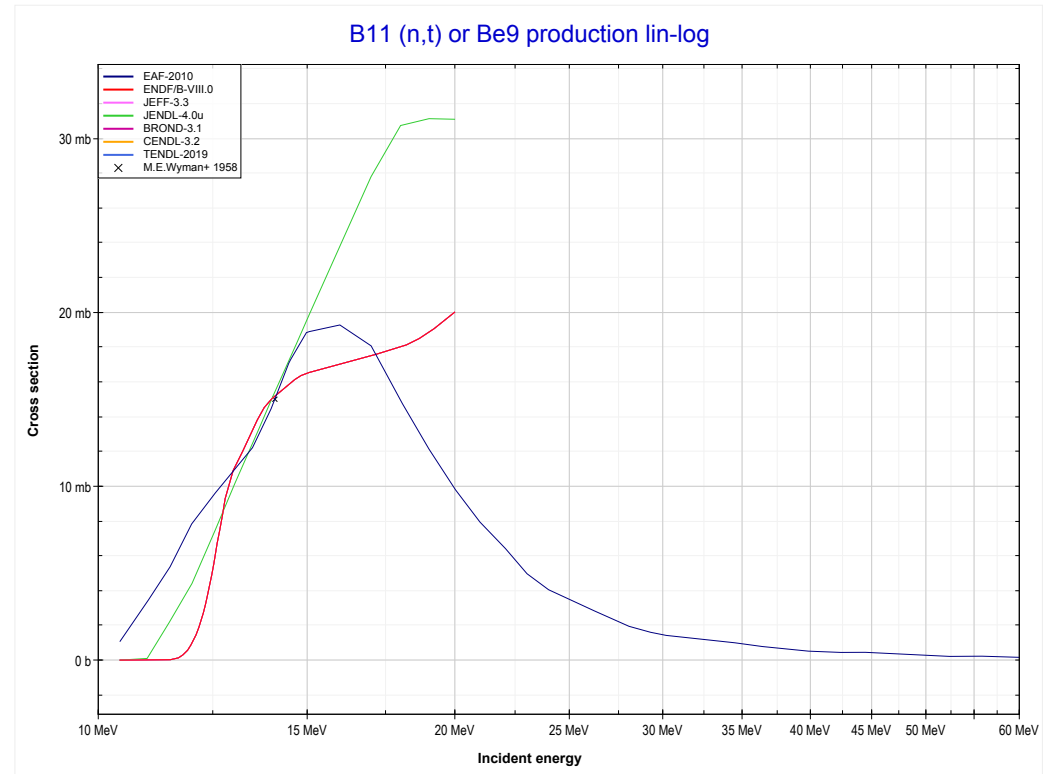
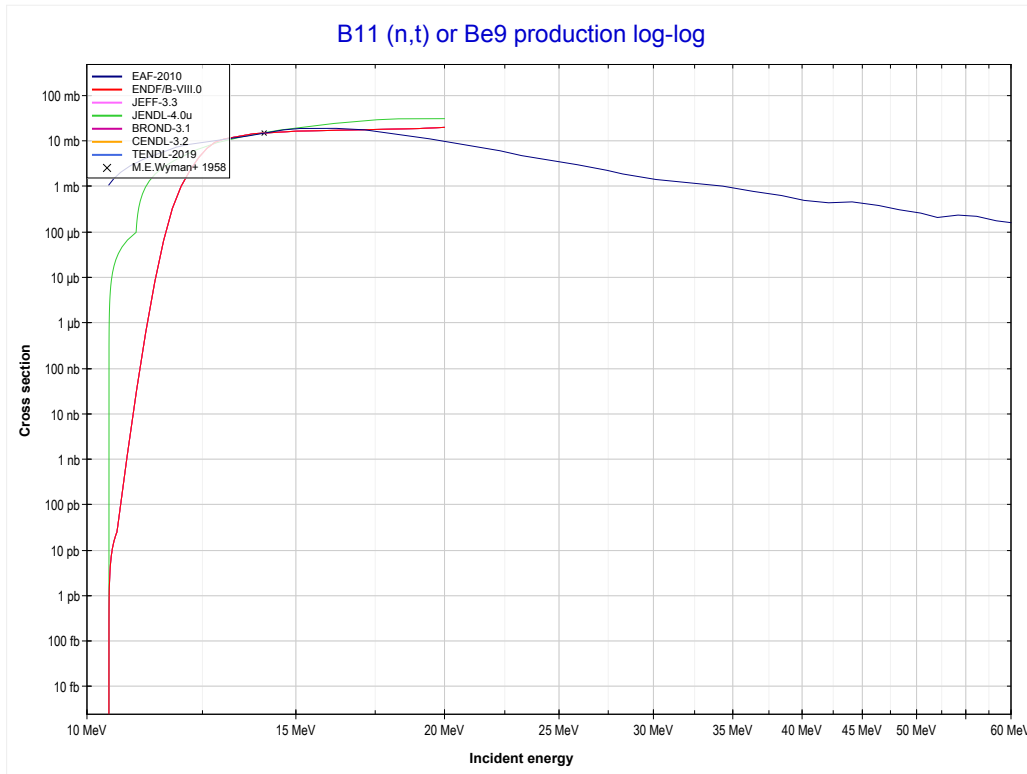
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0055056 b | 0.00550148 b | 0.0055007 b | 0.99986 | 0.00274254 b | 2.78055E-6 b | 2.14993E-7 b |
| ENDF/B-VIII.0 | 0.00550736 b | 0.00550736 b | 0.0055087 b | 1.00025 | 0.00274743 b | 2.78436E-6 b | 2.15E-7 b |
| JEFF-3.3 | 0.00550736 b | 0.00550736 b | 0.0055087 b | 1.00025 | 0.00274743 b | 2.78436E-6 b | 2.15E-7 b |
| JENDL-4.0u | 0.00509084 b | 0.00509084 b | 0.0050939 b | 1.0006 | 0.0025233 b | 5.52421E-6 b | 0 b |
| BROND-3.1 | 0.00550736 b | 0.00550736 b | 0.0055087 b | 1.00025 | 0.00274743 b | 2.78436E-6 b | 2.15E-7 b |
| CENDL-3.2 | 0.0055 b | 0.0055 b | 0.0055008 b | 1.00014 | 0.00274404 b | 2.78188E-6 b | 2.15E-7 b |
| TENDL-2019 | 0.0055 b | 0.0055 b | 0.0055008 b | 1.00014 | 0.00274404 b | 2.78187E-6 b | 2.15E-7 b |

| | | |
|-------------------------|---|----------------|
| << 4-Be-9 | 5-B-11 | 6-C-12 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Be11 production) | MT105 (n,t) >> |



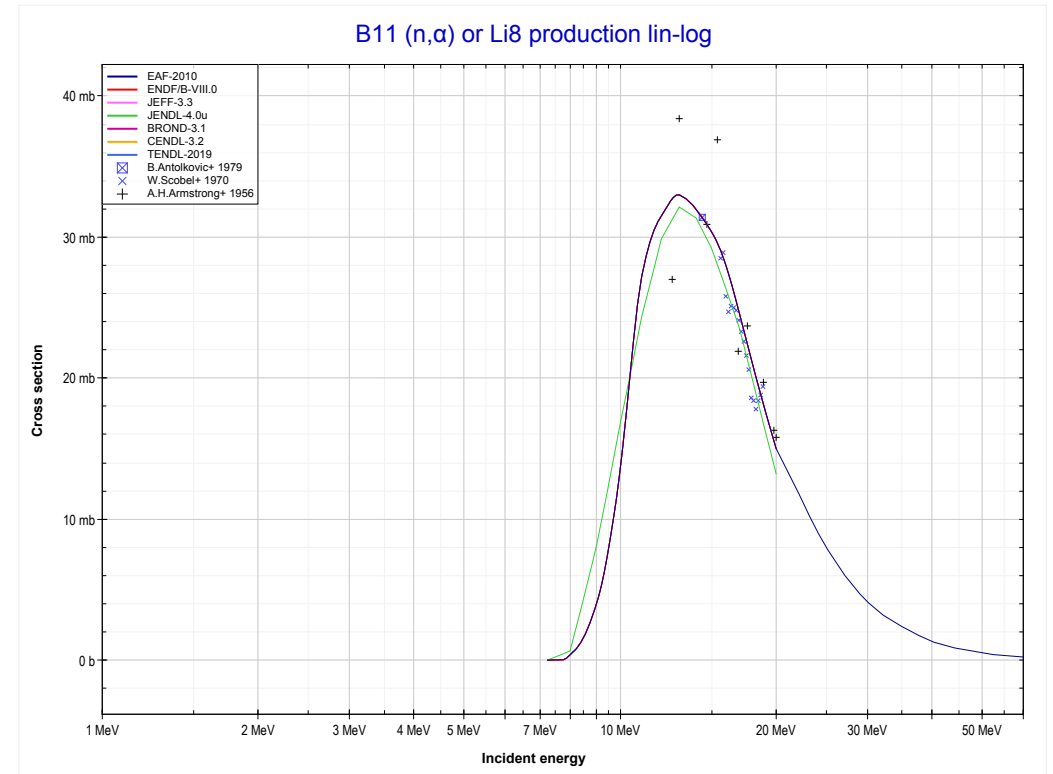
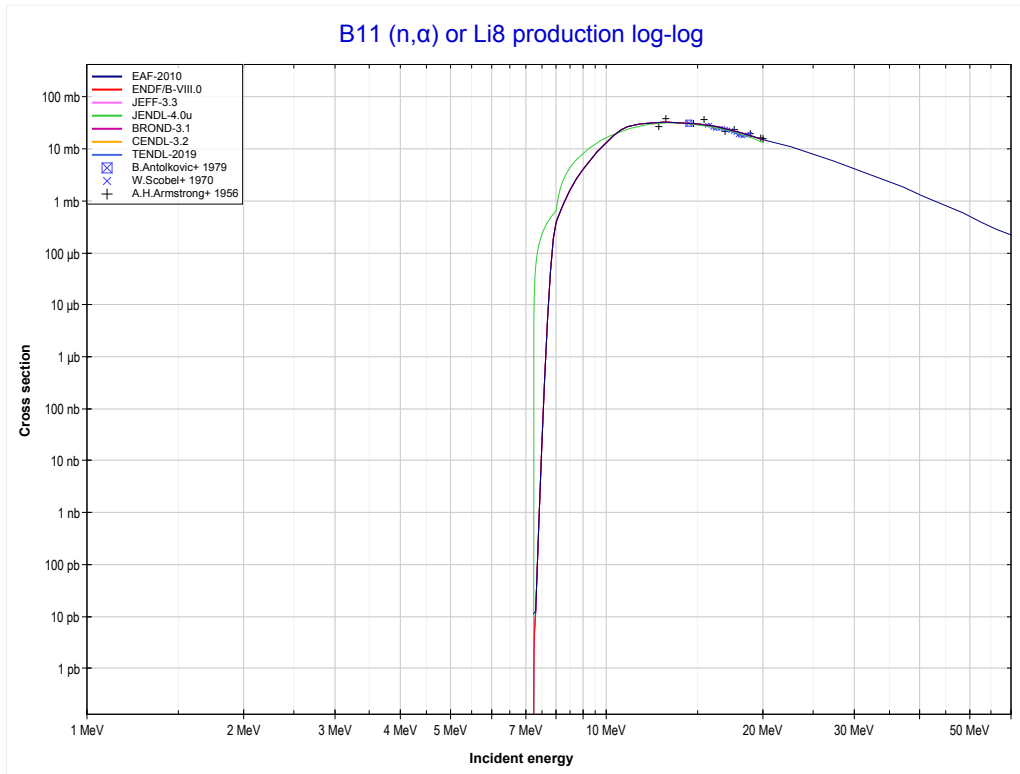
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57497E-6 b | 0.0055 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57511E-6 b | 0.0055 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57511E-6 b | 0.0055 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.18068E-6 b | 0.00402079 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57511E-6 b | 0.0055 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57501E-6 b | 0.0055 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57501E-6 b | 0.0055 b |

| | | |
|----------------|--|-------------------------|
| << 4-Be-9 | 5-B-11 | 6-C-12 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Be9 production) | MT107 (n, α) >> |



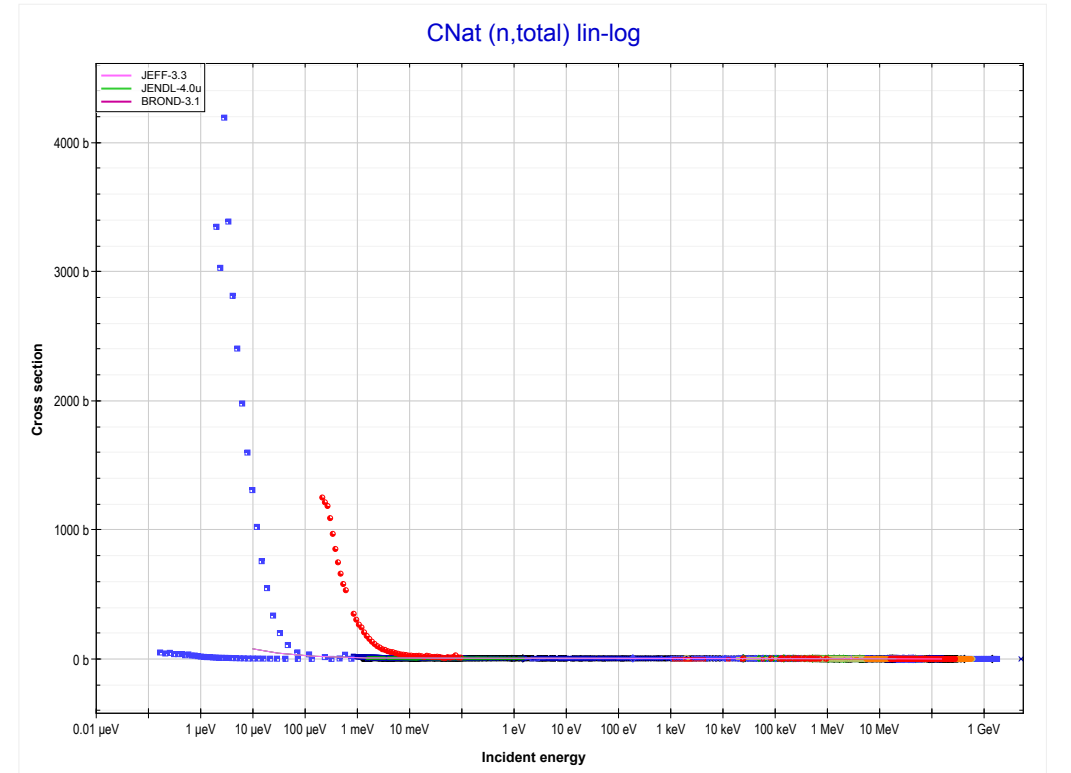
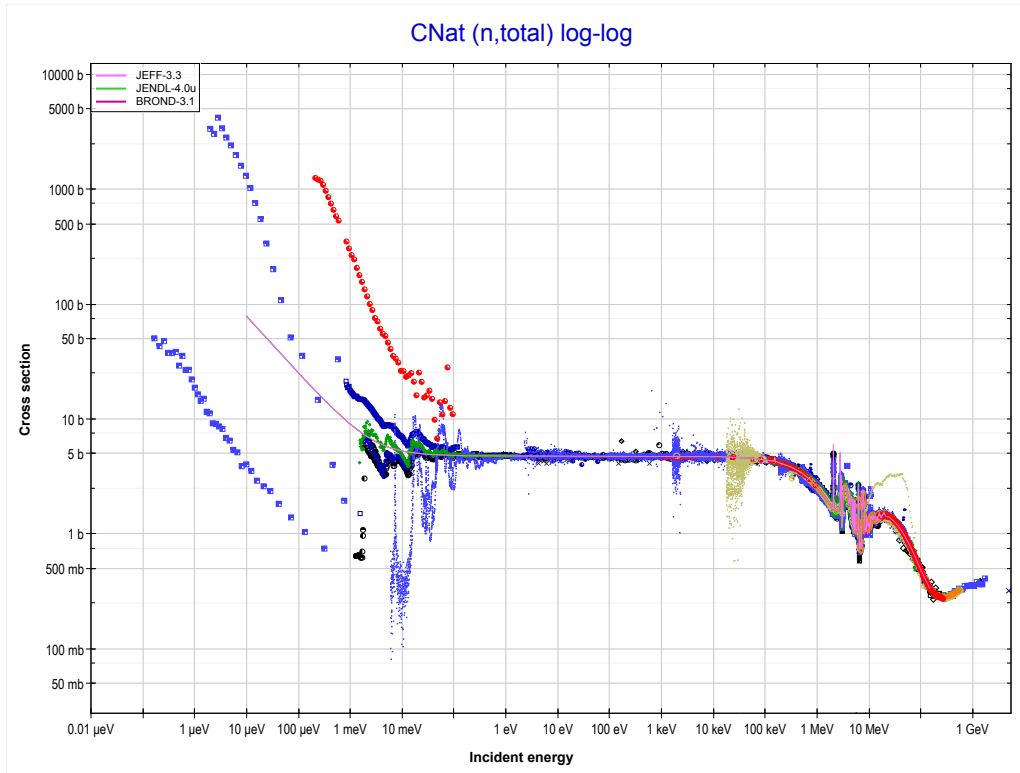
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.97788E-6 b | 0.0144637 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79309E-6 b | 0.015 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79309E-6 b | 0.015 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.6159E-6 b | 0.014962 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79309E-6 b | 0.015 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79286E-6 b | 0.015 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79285E-6 b | 0.015 b |

| | | |
|----------------|--|--------------------------|
| << 5-B-10 | 5-B-11 | 6-C-12 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Li8 production) | 6-C-Nat MT1 (n,total) >> |



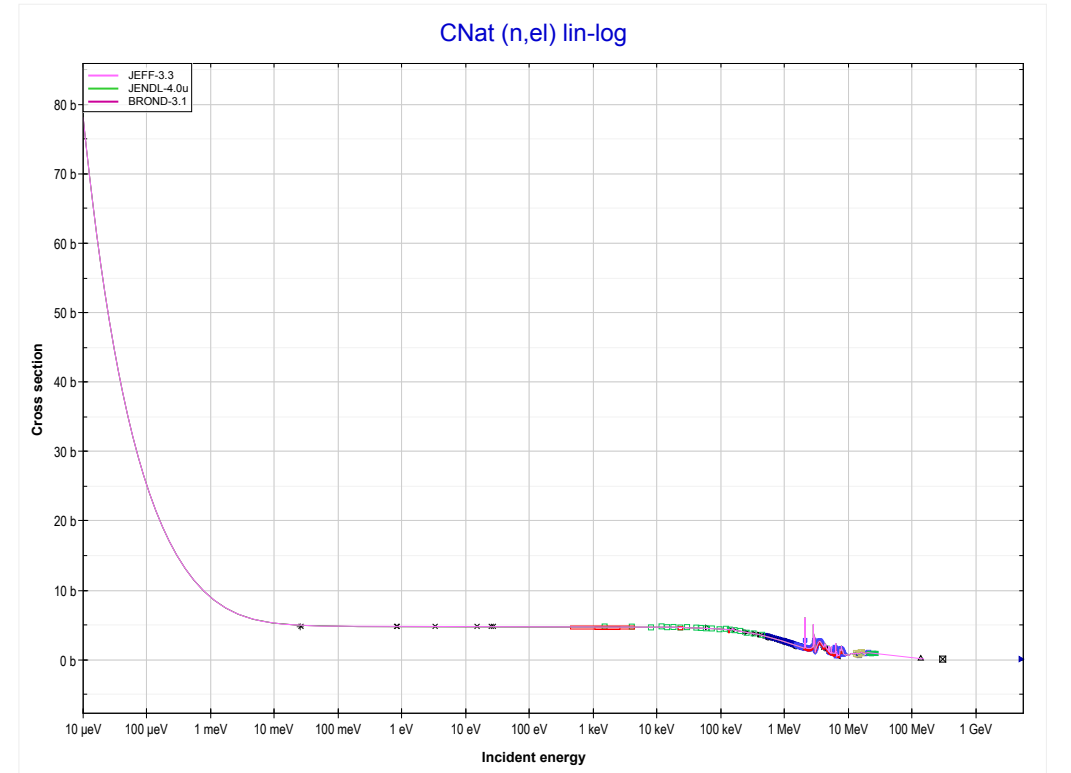
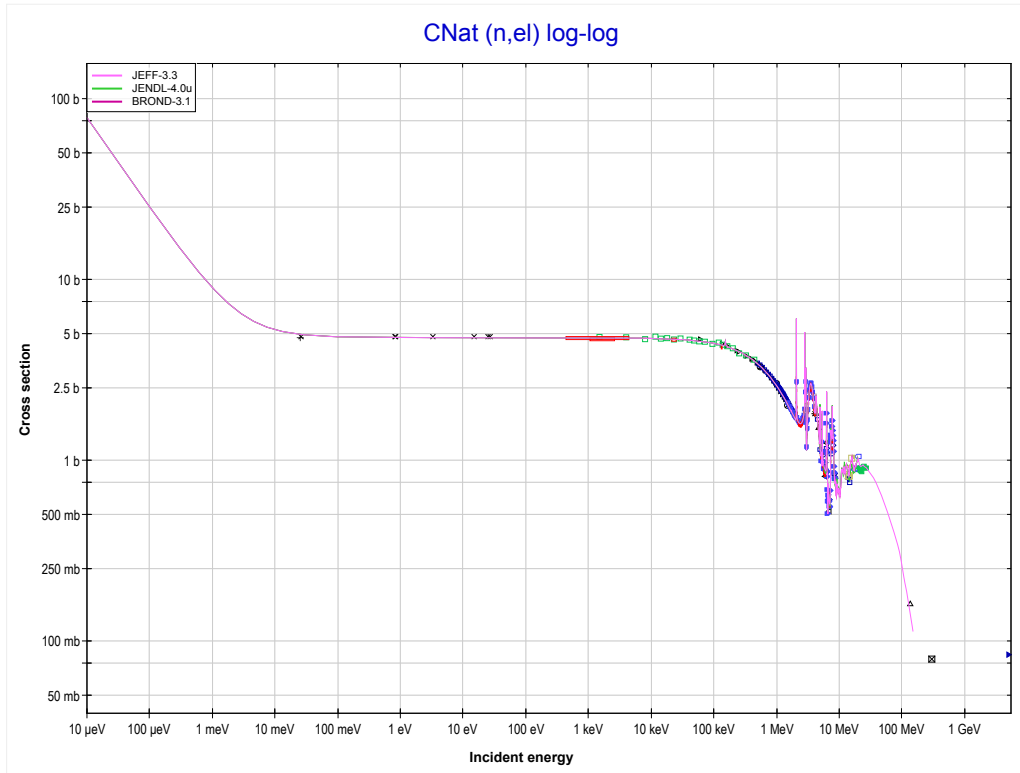
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.18206E-5 b | 0.0319736 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.1827E-5 b | 0.032 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.1827E-5 b | 0.032 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.91768E-5 b | 0.0313804 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.1827E-5 b | 0.032 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.18241E-5 b | 0.032 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.1824E-5 b | 0.032 b |

| | | |
|--------------------------------|----------------------|--------------------|
| << 5-B-11 | 6-C-Nat | 6-C-12 >> |
| << 5-B-11 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



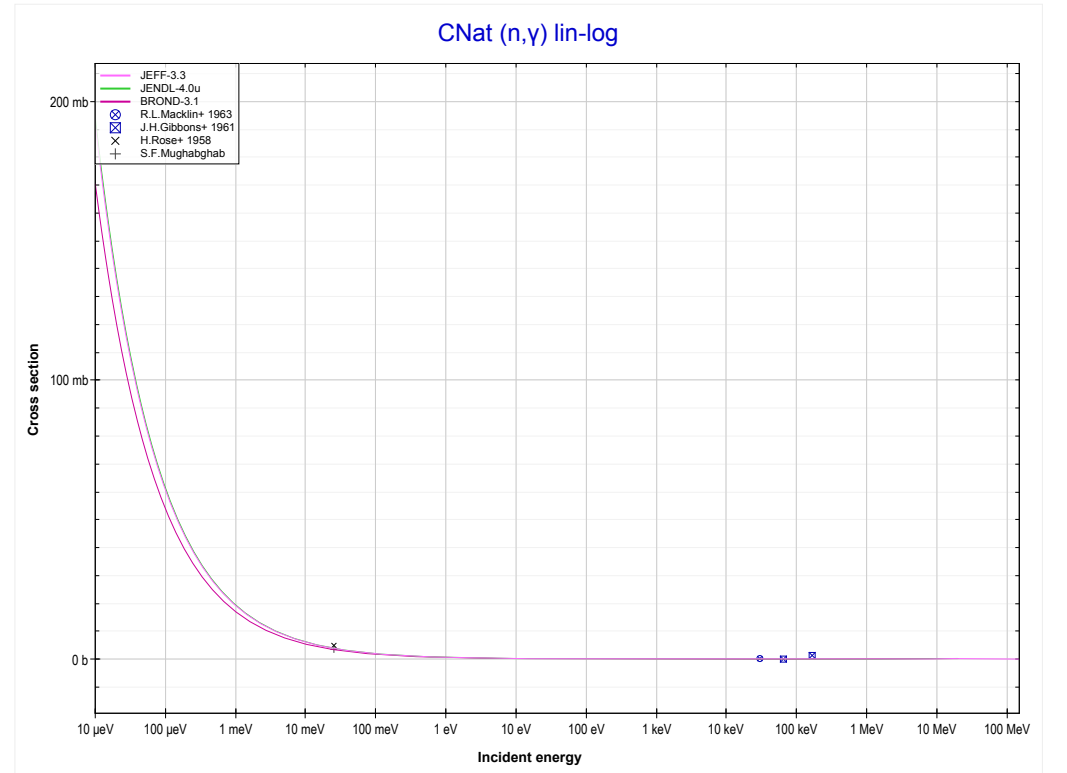
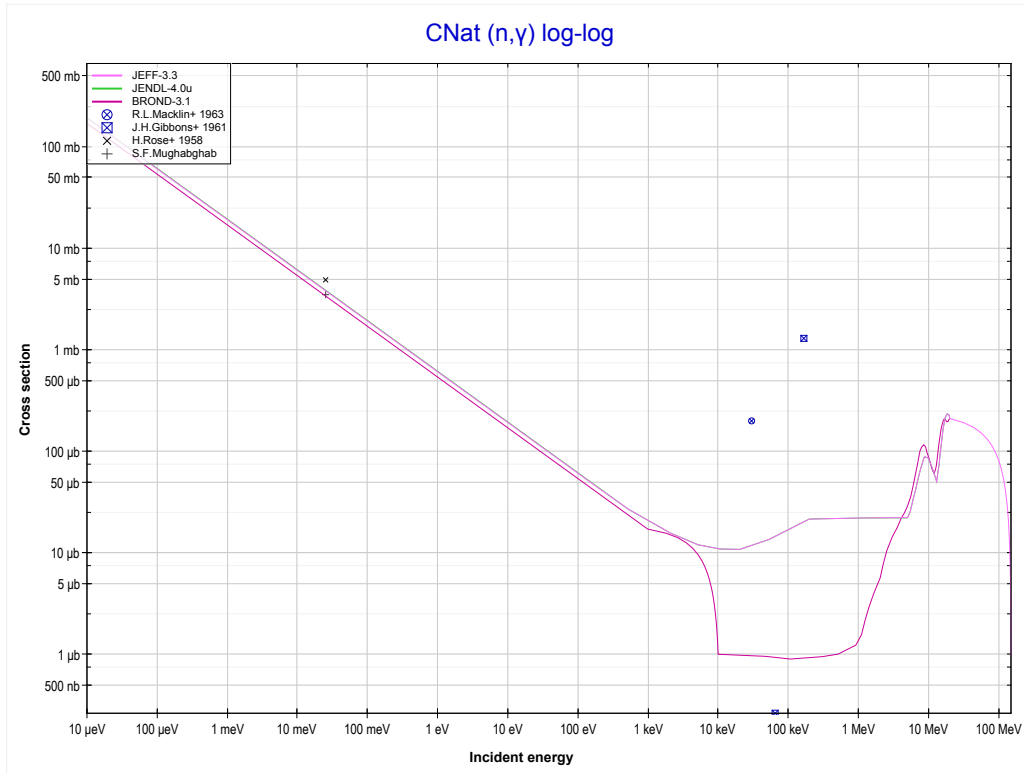
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 4.94221 b | 4.94221 b | 5.5718 b | 1.1274 | 57.501 b | 2.38355 b | 1.30225 b |
| JENDL-4.0u | 4.94224 b | 4.94224 b | 5.5719 b | 1.1274 | 57.5012 b | 2.38342 b | 1.30323 b |
| BROND-3.1 | 4.94177 b | 4.94177 b | 5.5714 b | 1.12741 | 57.5139 b | 2.38492 b | 1.3023 b |

| | | |
|------------------|------------------------|-------------------------|
| << 5-B-11 | 6-C-Nat | 6-C-12 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



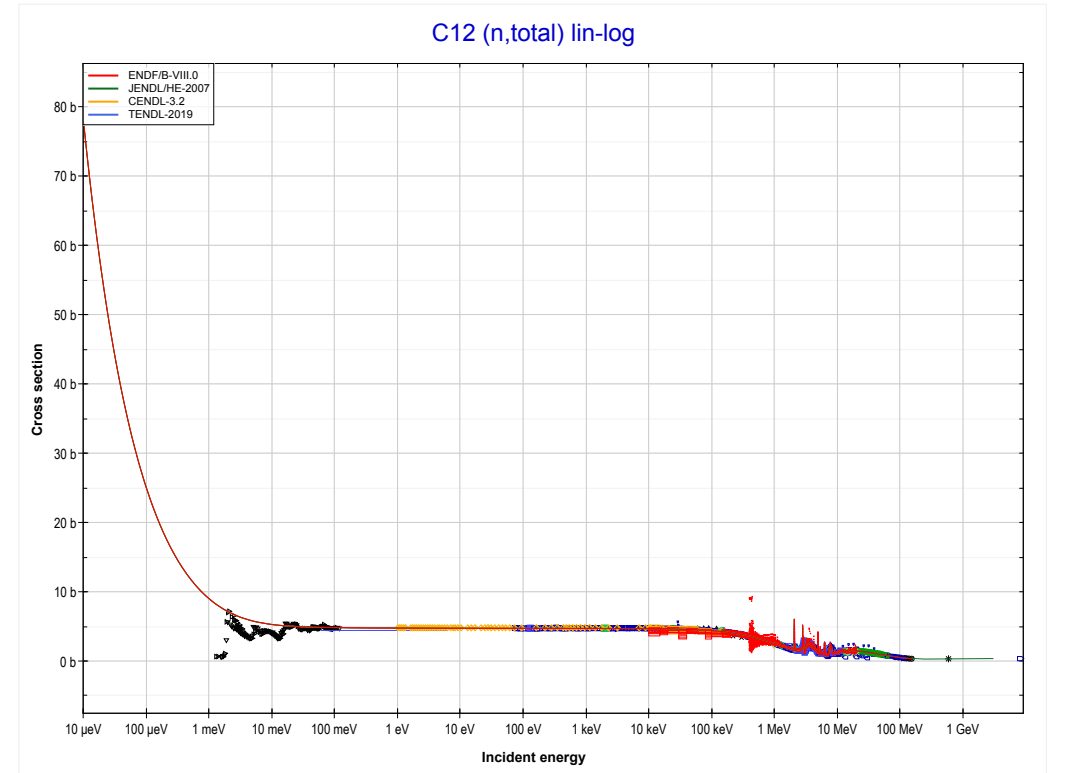
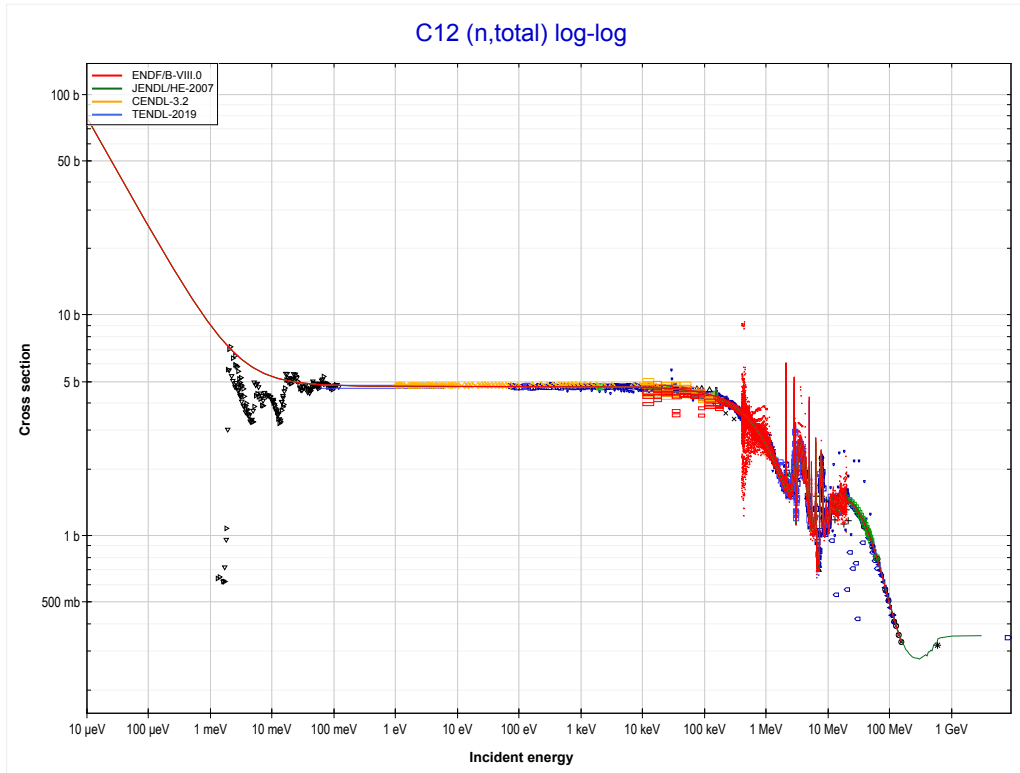
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 4.9384 b | 4.9384 b | 5.568 b | 1.1275 | 57.4993 b | 2.36994 b | 0.819214 b |
| JENDL-4.0u | 4.93838 b | 4.93838 b | 5.568 b | 1.1275 | 57.4994 b | 2.36932 b | 0.803426 b |
| BROND-3.1 | 4.9384 b | 4.9384 b | 5.568 b | 1.1275 | 57.5124 b | 2.37142 b | 0.819214 b |

| | | |
|--------------------|--------------------------------------|-------------------------|
| << 5-B-11 | 6-C-Nat | 6-C-12 >> |
| << MT2 (n,elastic) | MT102 (n,γ) | 6-C-12 MT1 (n,total) >> |



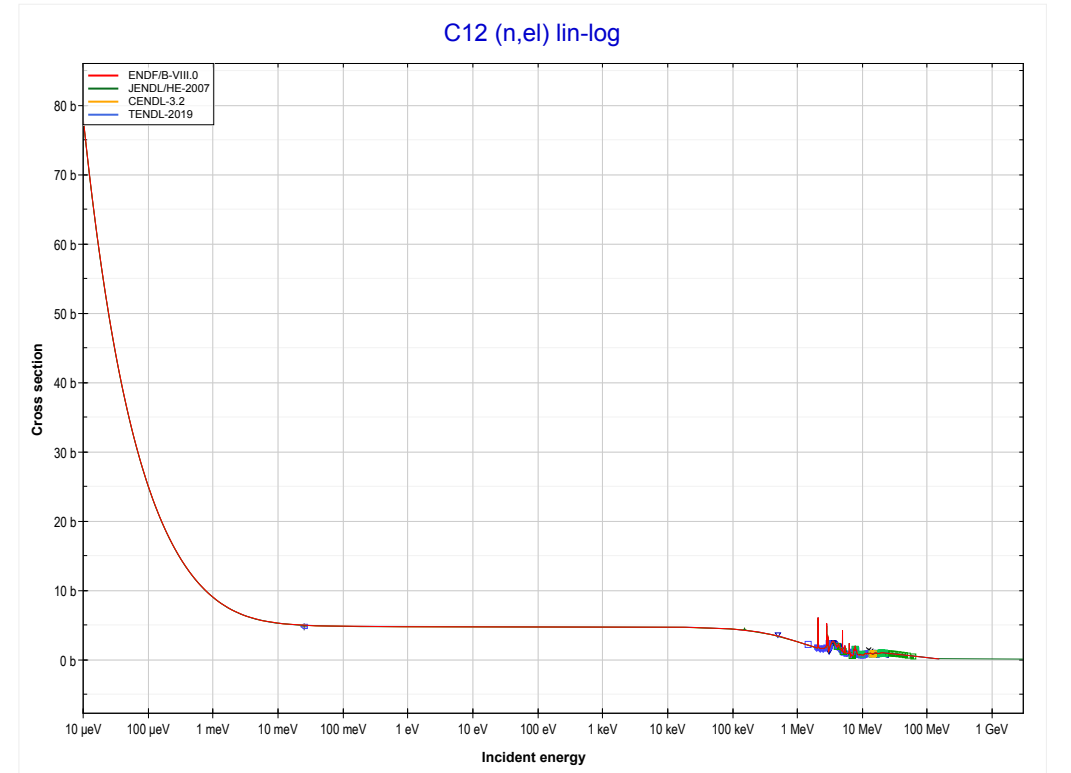
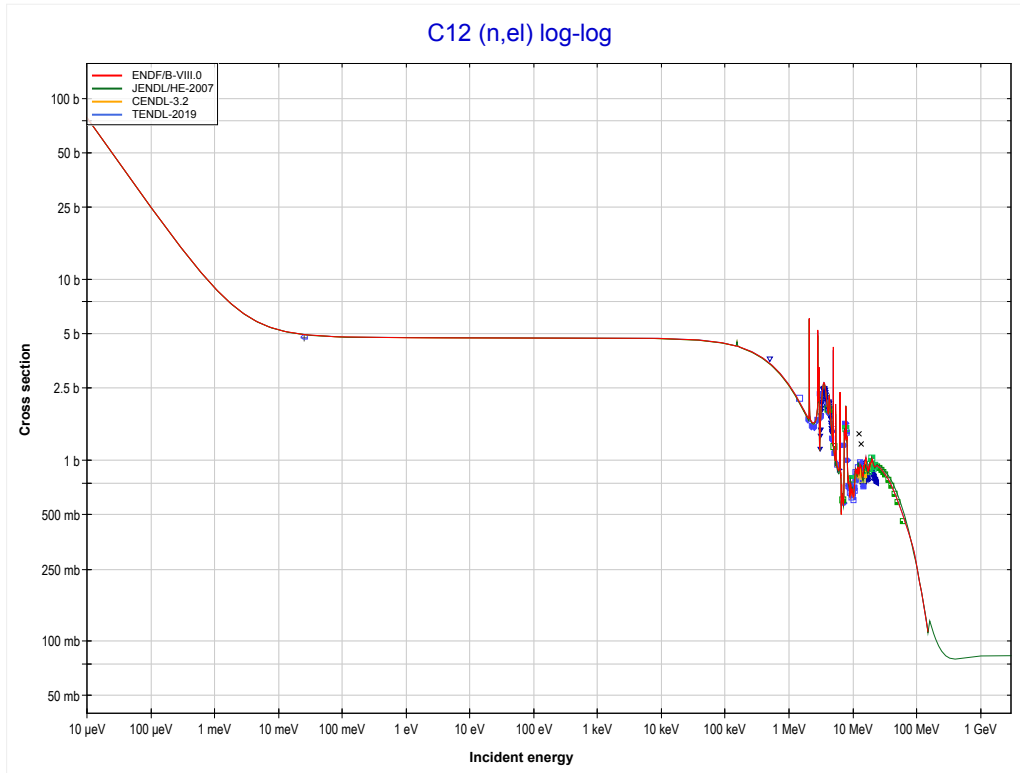
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0.00381622 b | 0.00381622 b | 0.0038175 b | 1.00033 | 0.00174579 b | 2.3071E-5 b | 7.04604E-5 b |
| JENDL-4.0u | 0.00386139 b | 0.00386139 b | 0.0038627 b | 1.00033 | 0.00176518 b | 2.3071E-5 b | 7.04604E-5 b |
| BROND-3.1 | 0.00336882 b | 0.00336882 b | 0.0033792 b | 1.00309 | 0.00152876 b | 9.49508E-6 b | 1.15679E-4 b |

| | | |
|---------------------------------|----------------------|--------------------|
| << 6-C-Nat | 6-C-12 | 6-C-13 >> |
| << 6-C-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



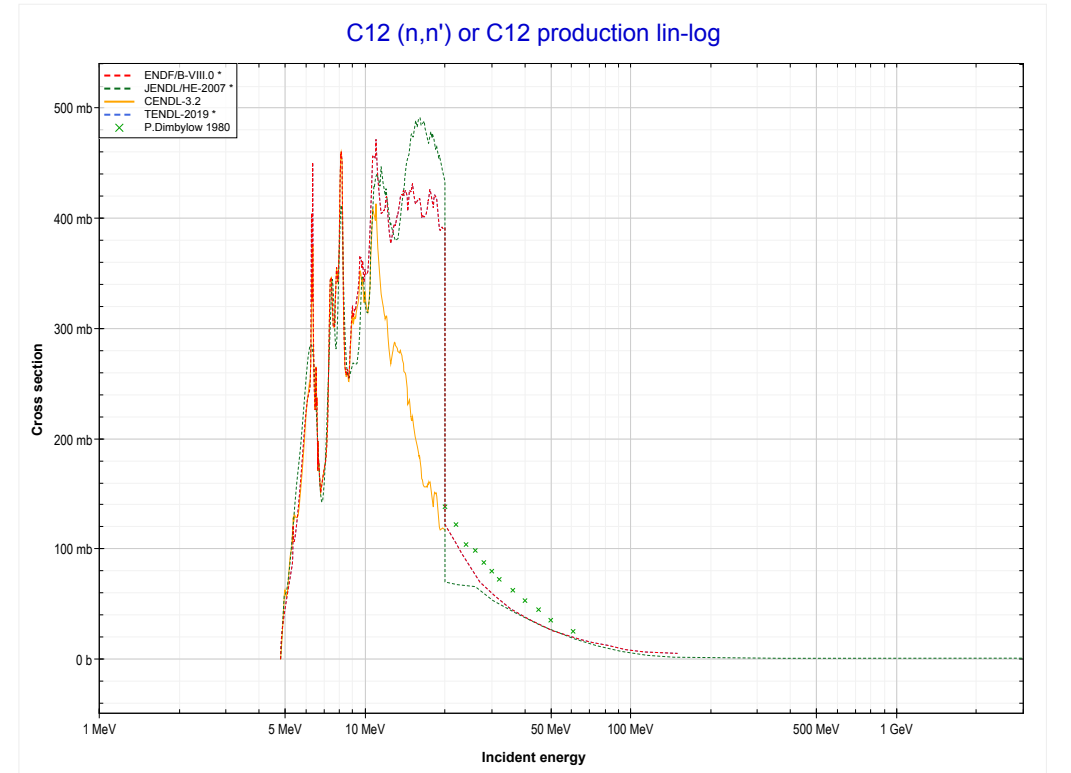
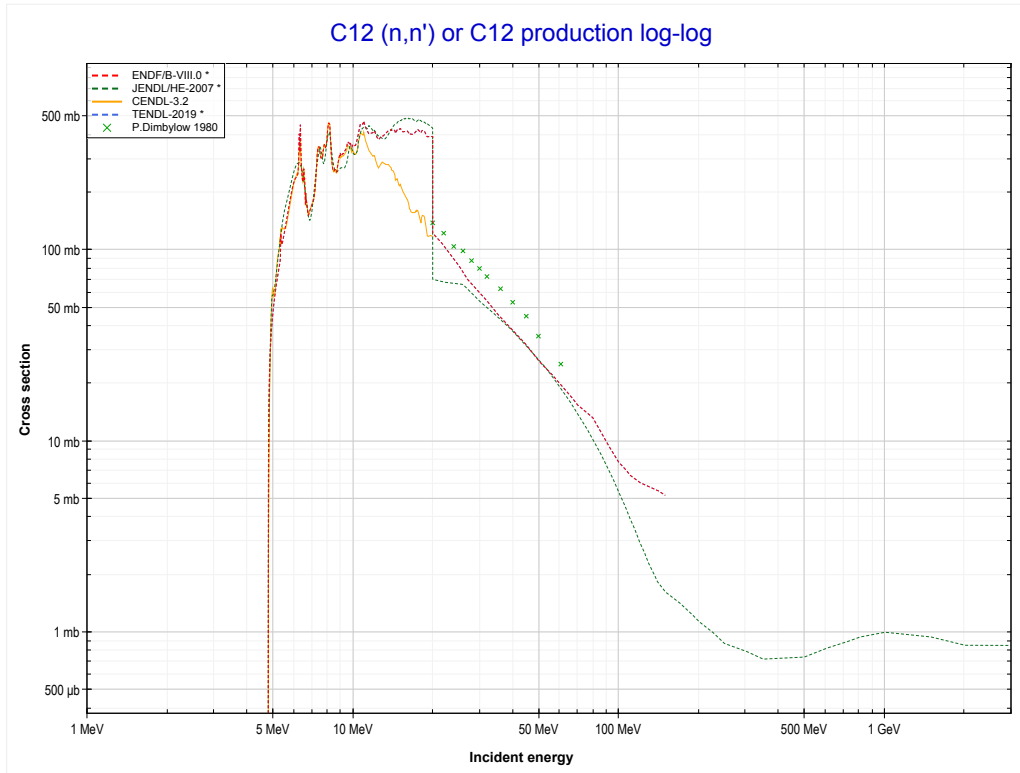
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.95164 b | 4.95164 b | 5.5825 b | 1.1274 | 57.6406 b | 2.41029 b | 1.3023 b |
| JENDL/HE-2007 | 4.94193 b | 4.94193 b | 5.5717 b | 1.12744 | 57.532 b | 2.38448 b | 1.30323 b |
| CENDL-3.2 | 4.94294 b | 4.94294 b | 5.573 b | 1.12747 | 57.5419 b | 2.3846 b | 1.3023 b |
| TENDL-2019 | 4.95164 b | 4.95164 b | 5.5826 b | 1.12743 | 57.6745 b | 2.4113 b | 1.3023 b |

| | | |
|------------------|------------------------|---------------|
| << 6-C-Nat | 6-C-12 | 6-C-13 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



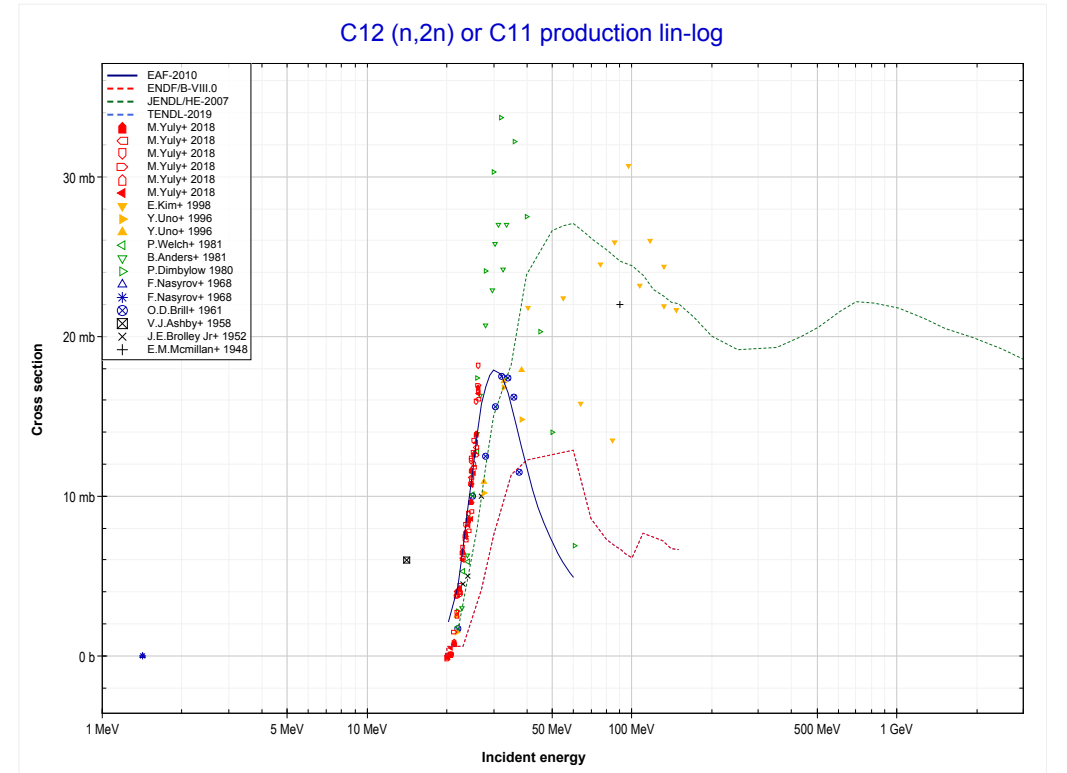
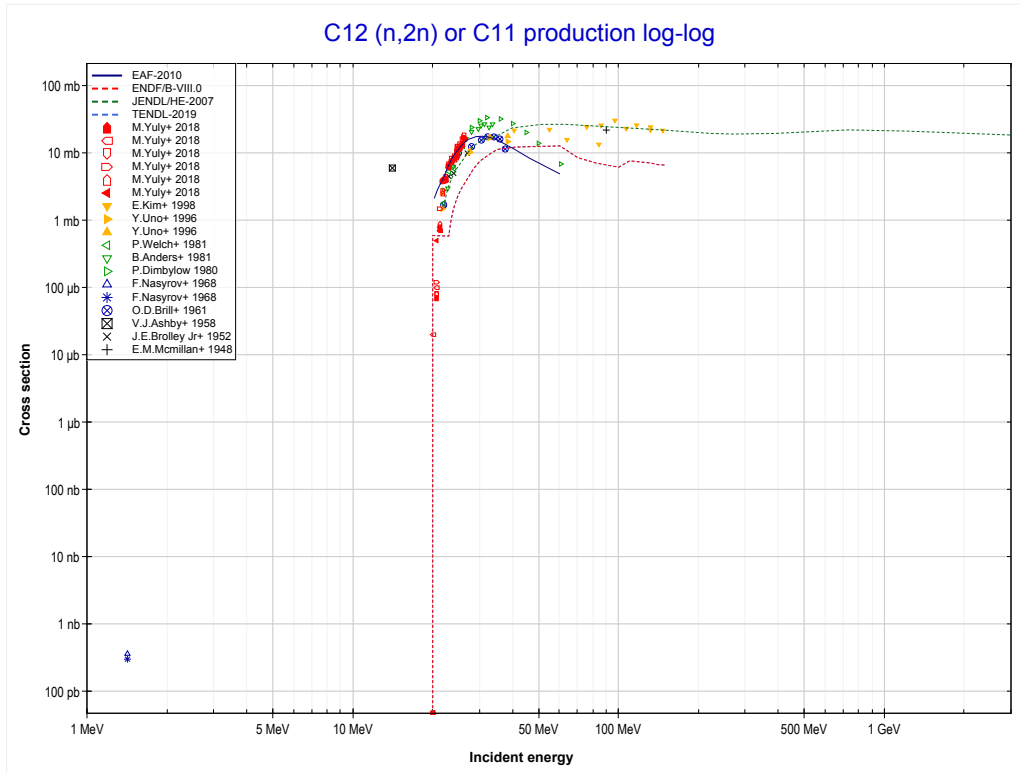
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.94778 b | 4.94778 b | 5.5786 b | 1.1275 | 57.6388 b | 2.39674 b | 0.819214 b |
| JENDL/HE-2007 | 4.93838 b | 4.93838 b | 5.5682 b | 1.12753 | 57.5208 b | 2.37038 b | 0.803426 b |
| CENDL-3.2 | 4.93956 b | 4.93956 b | 5.5696 b | 1.12755 | 57.5292 b | 2.37096 b | 0.778543 b |
| TENDL-2019 | 4.94778 b | 4.94778 b | 5.5788 b | 1.12753 | 57.6585 b | 2.39773 b | 0.819214 b |

| | | |
|--------------------|---|----------------|
| << 3-Li-7 | 6-C-12 | 7-N-14 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (C12 production) | MT16 (n,2n) >> |



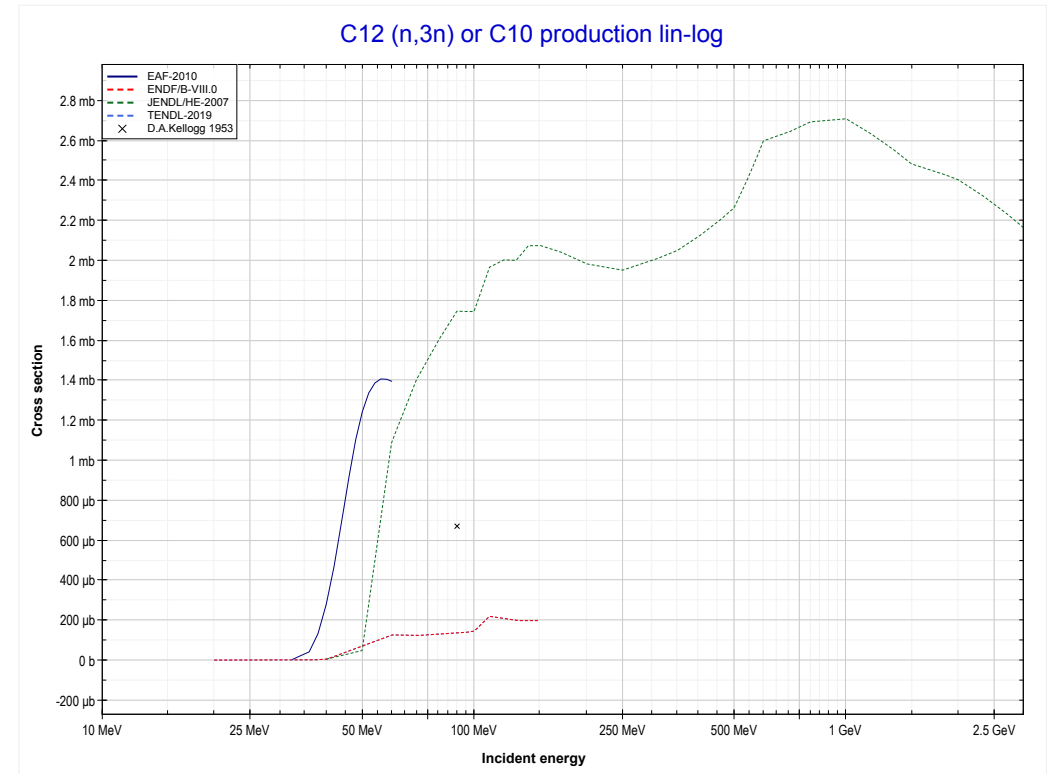
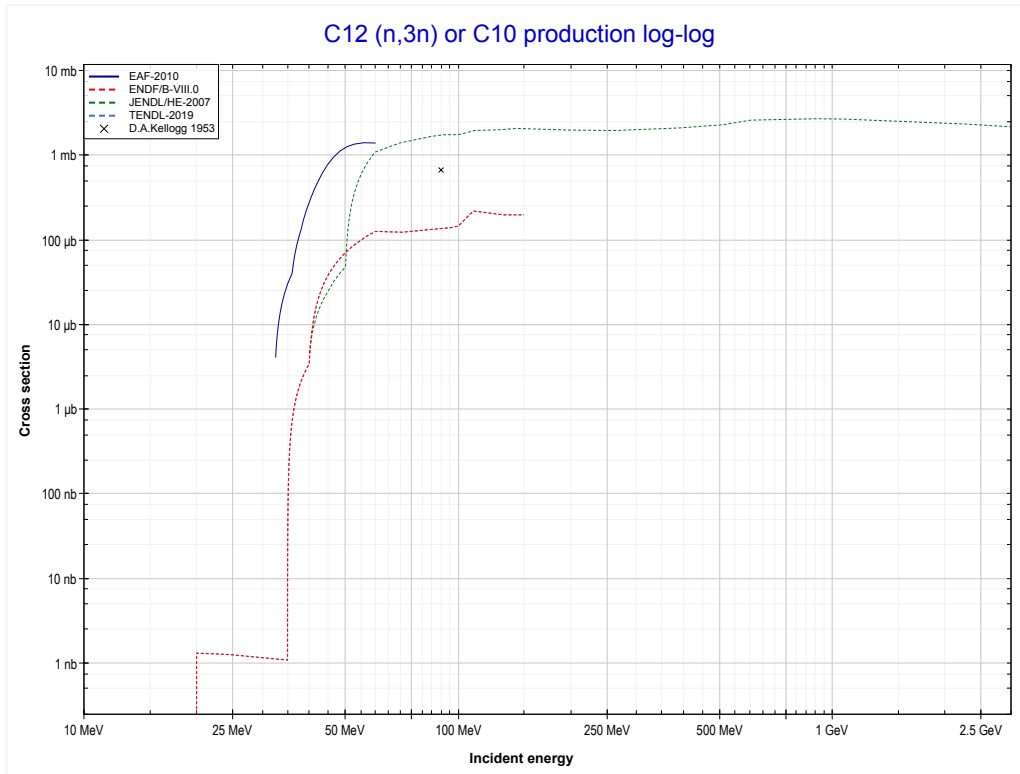
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0121396 b | 0.42067 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0125456 b | 0.426915 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.012048 b | 0.261155 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0121396 b | 0.42067 b |

| | | |
|---------------|--|----------------|
| << 5-B-11 | 6-C-12 | 6-C-13 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (C11 production) | MT17 (n,3n) >> |



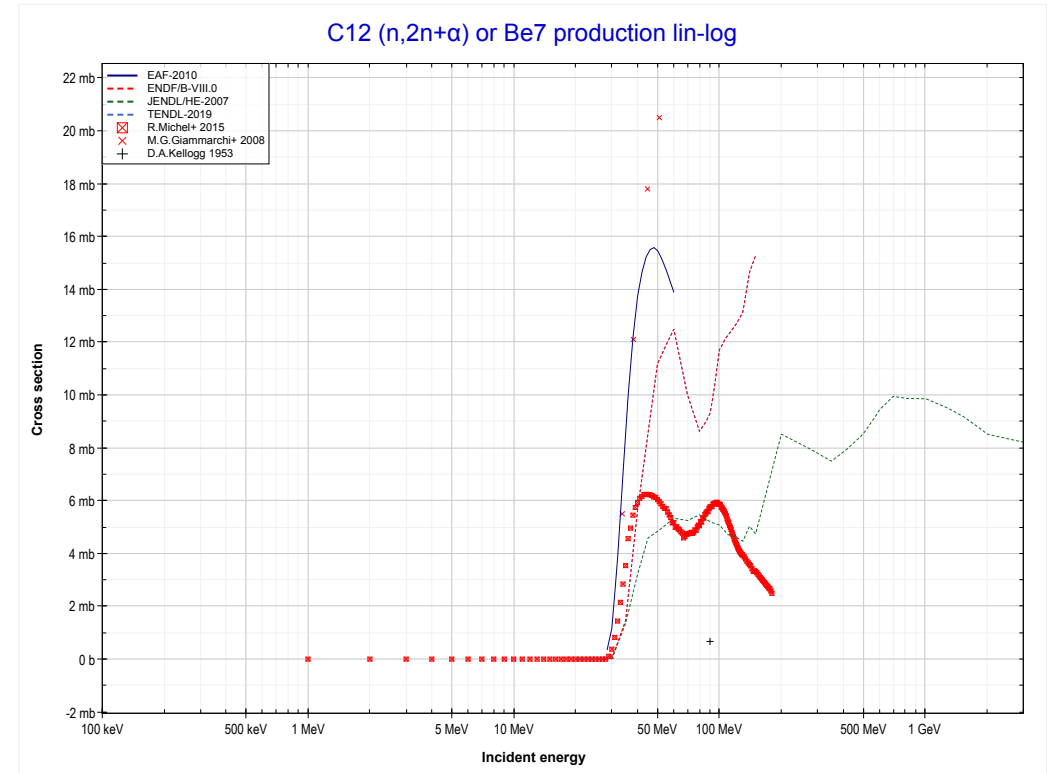
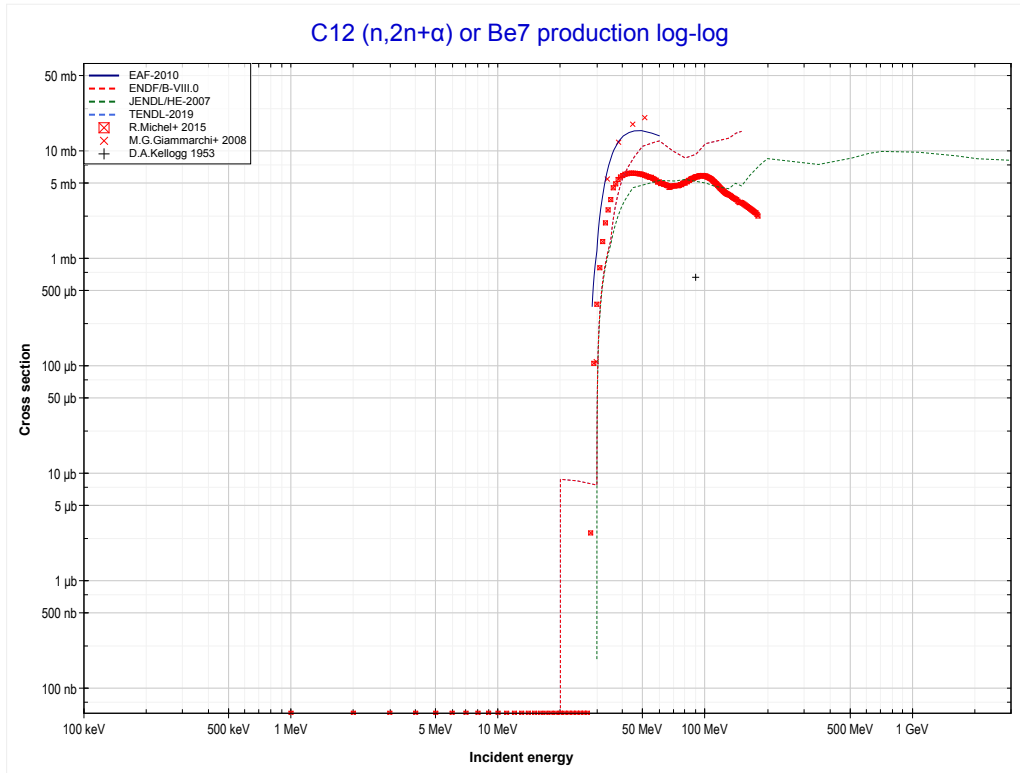
| | |
|--------------|---------------|
| Reaction | Q-Value |
| C12(n,2n)C11 | -18720.72 keV |

| | | |
|----------------|--|------------------|
| << 1-H-3 | 6-C-12 | 24-Cr-50 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (C10 production) | MT24 (n,2n+α) >> |



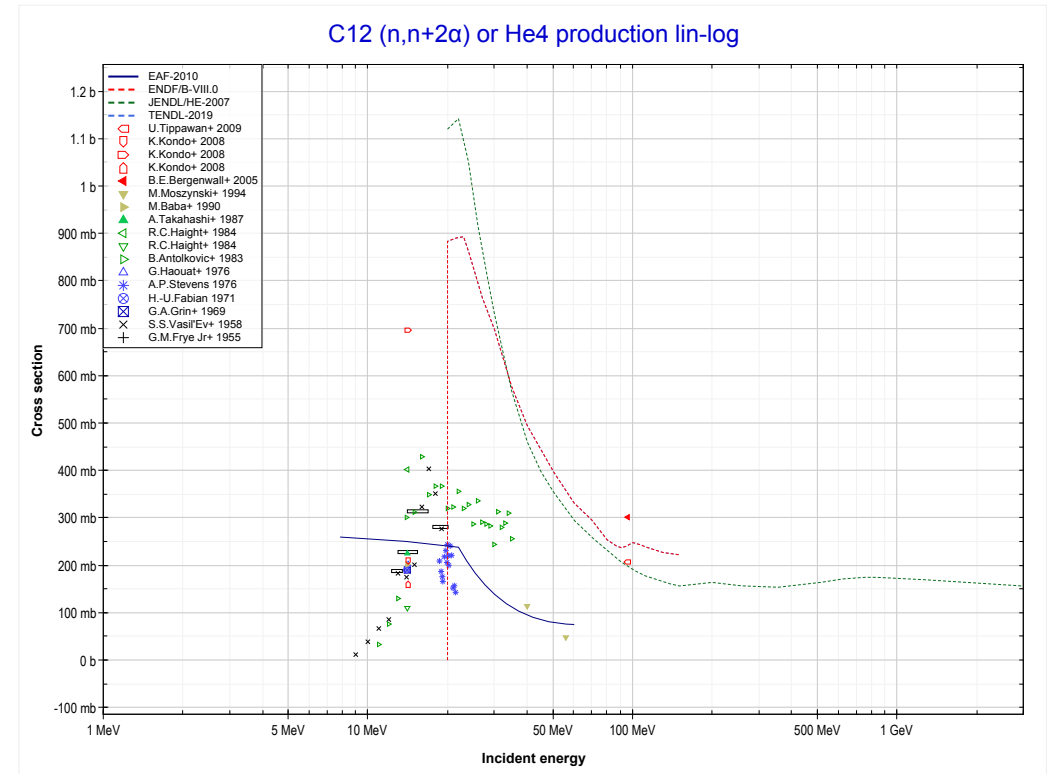
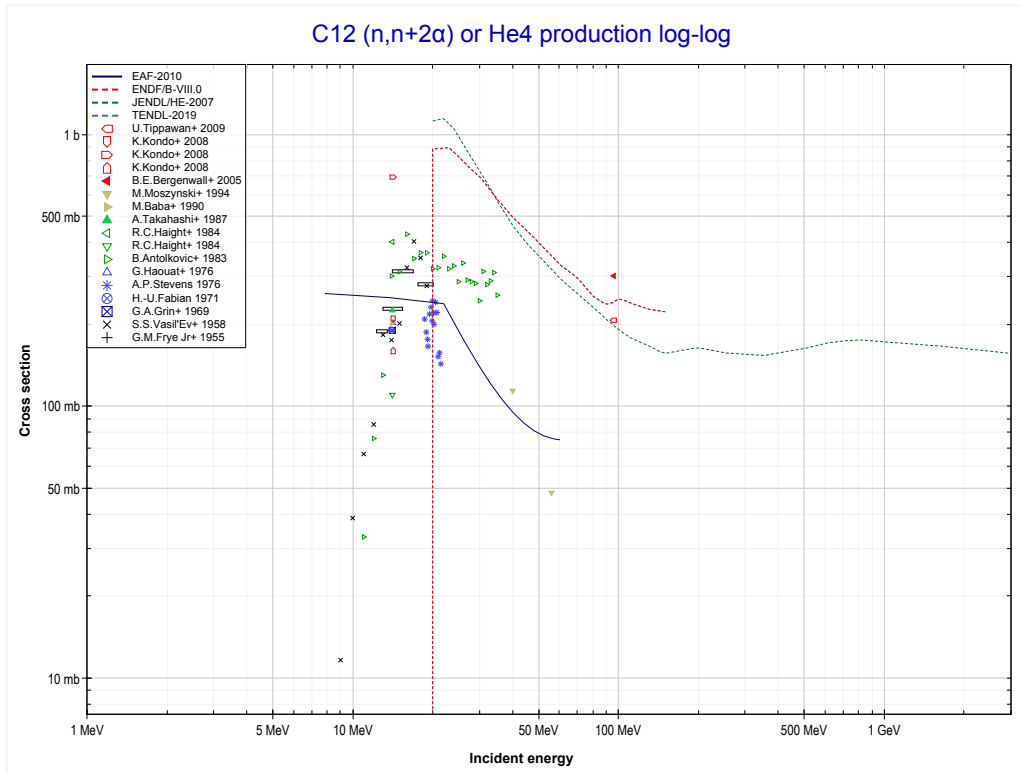
| Reaction | Q-Value |
|--------------|---------------|
| C12(n,3n)C10 | -31841.30 keV |

| | | |
|----------------|--|------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT17 (n,3n) | MT24 (n,2n+α) or MT5 (Be7 production) | MT29 (n,n+2α) >> |



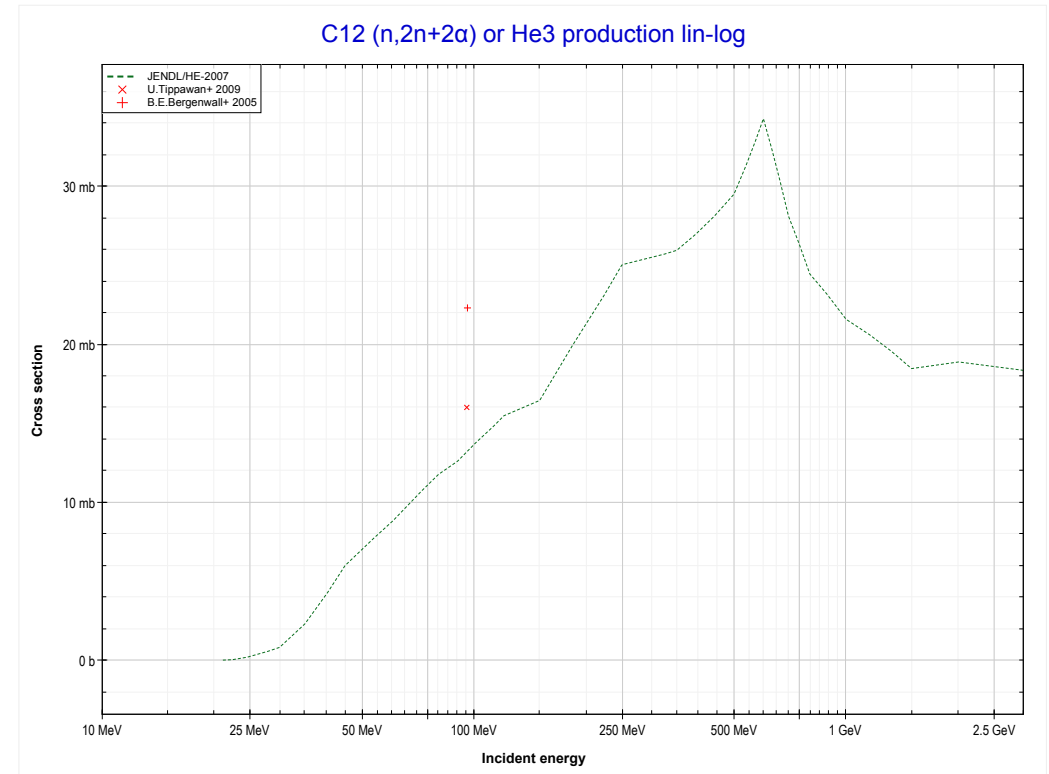
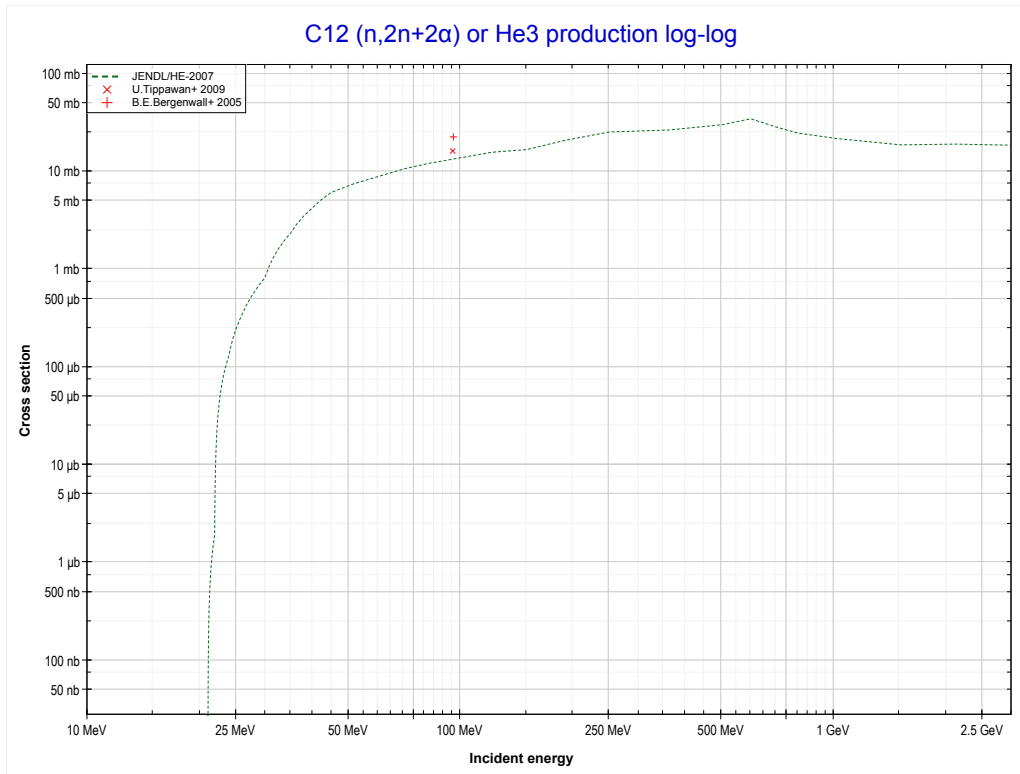
| Reaction | Q-Value |
|------------------|---------------|
| C12(n,2n+α)Be7 | -26265.23 keV |
| C12(n,2t)Be7 | -37597.30 keV |
| C12(n,n+d+t)Be7 | -43854.53 keV |
| C12(n,2n+p+t)Be7 | -46079.10 keV |
| C12(n,3n+He3)Be7 | -46842.85 keV |
| C12(n,2n+2d)Be7 | -50111.76 keV |
| C12(n,3n+p+d)Be7 | -52336.33 keV |
| C12(n,4n+2p)Be7 | -54560.89 keV |

| | | |
|------------------|--|-------------------|
| 6-C-12 | | |
| << MT24 (n,2n+α) | MT29 (n,n+2α) or MT5 (He4 production) | MT30 (n,2n+2α) >> |



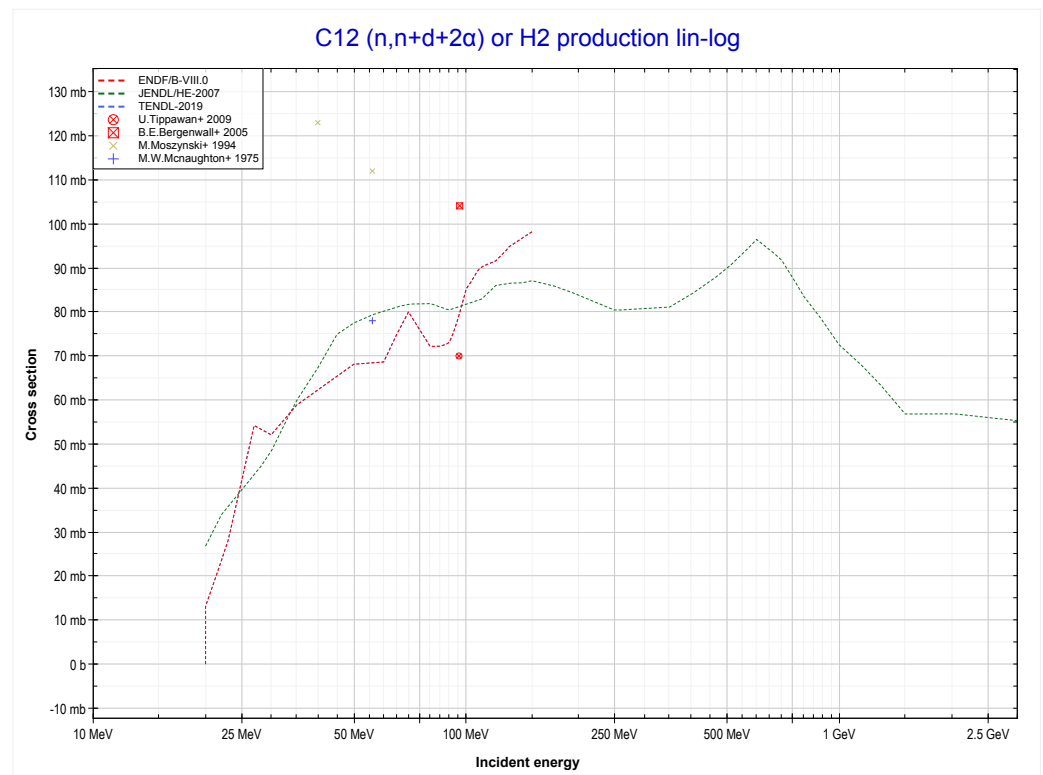
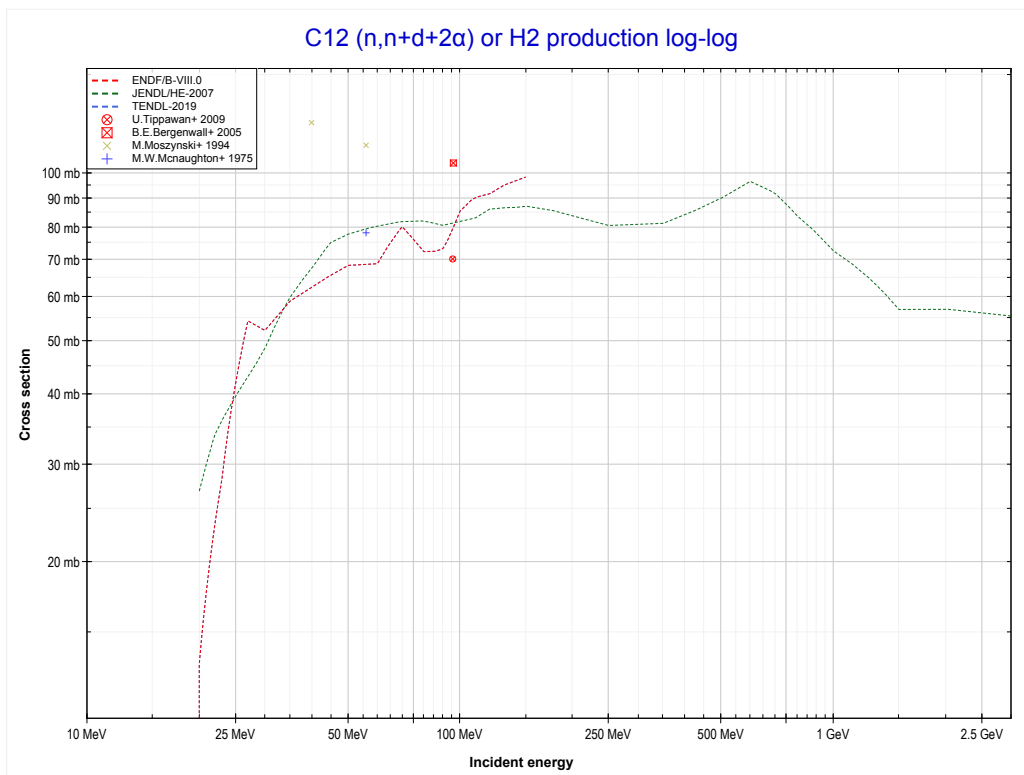
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|----------------------|---------------|
| C12(n,n+2α)He4 | -7274.75 keV | C12(n,p+d+2t)He4 | -44677.91 keV |
| C12(n,d+t+α)He4 | -24864.05 keV | C12(n,n+d+t+He3)He4 | -45441.67 keV |
| C12(n,n+p+t+α)He4 | -27088.61 keV | C12(n,n+2p+2t)He4 | -46902.48 keV |
| C12(n,2n+He3+α)He4 | -27852.37 keV | C12(n,2n+p+t+He3)He4 | -47666.23 keV |
| C12(n,n+2d+α)He4 | -31121.27 keV | C12(n,3n+2He3)He4 | -48429.99 keV |
| C12(n,2n+p+d+α)He4 | -33345.84 keV | C12(n,3d+t)He4 | -48710.57 keV |
| C12(n,3n+2p+α)He4 | -35570.41 keV | C12(n,n+p+2d+t)He4 | -50935.14 keV |
| C12(n,2t+He3)He4 | -39184.44 keV | C12(n,2n+2d+He3)He4 | -51698.89 keV |

| | | |
|------------------|---|--------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT29 (n,n+2α) | MT30 (n,2n+2α) or MT5 (He3 production) | MT35 (n,n+d+2α) >> |



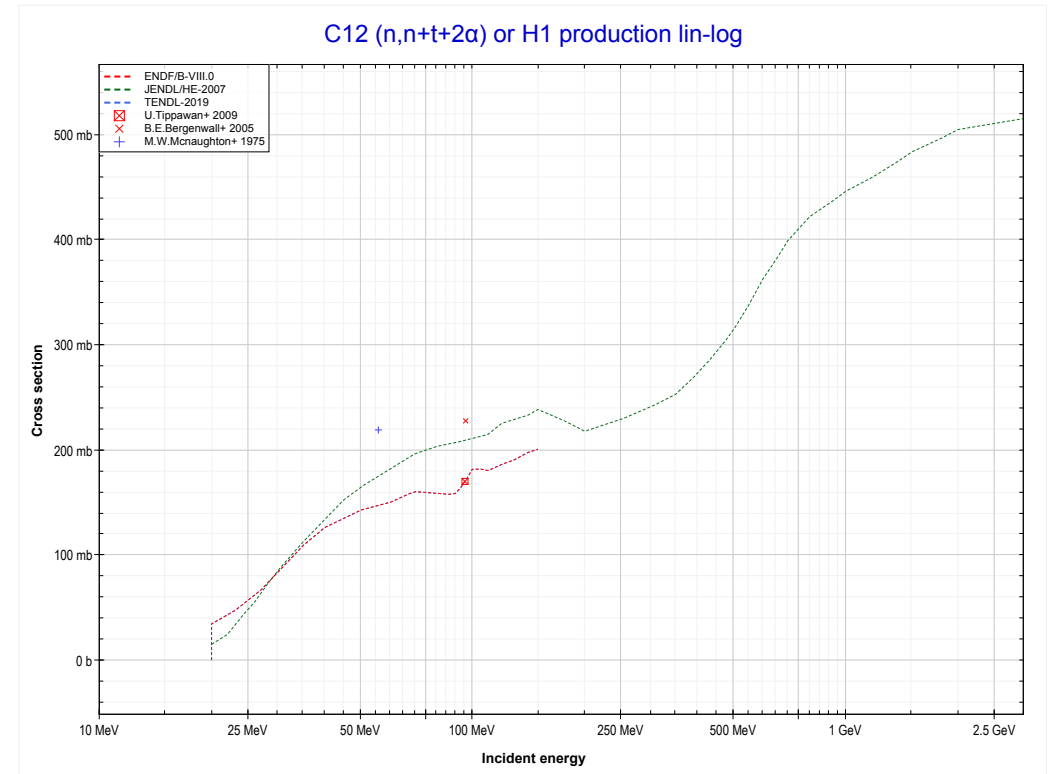
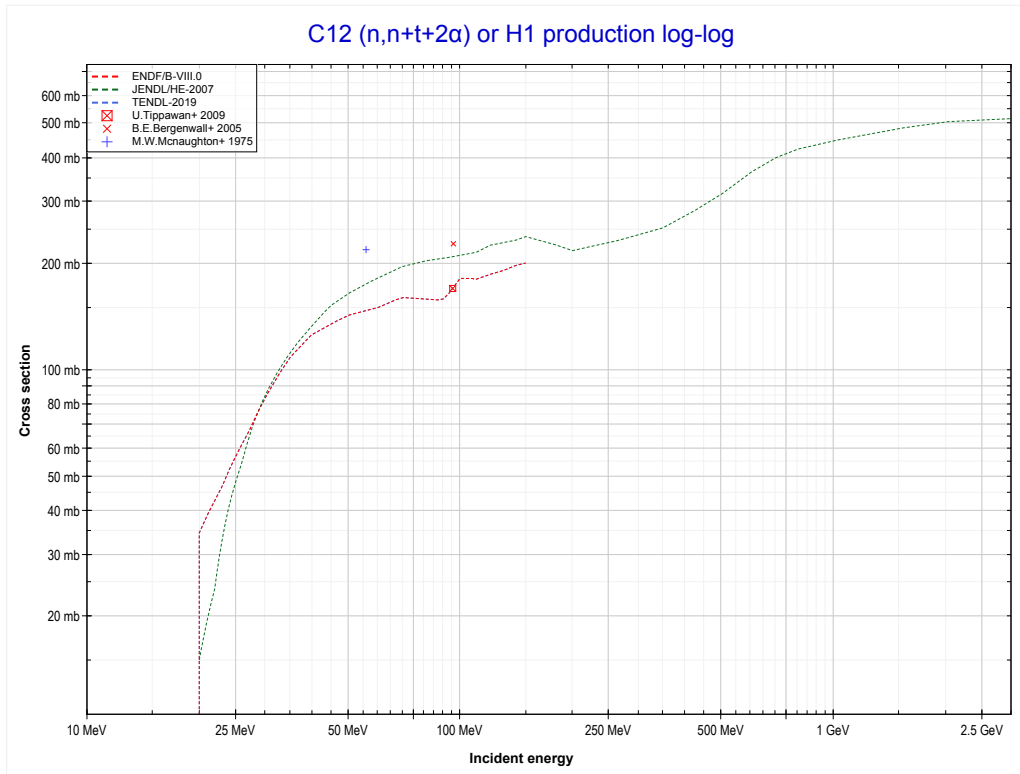
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|----------------------|---------------|
| C12(n,2n+2α)He3 | -27852.37 keV | C12(n,p+3t)He3 | -58998.30 keV |
| C12(n,2t+α)He3 | -39184.44 keV | C12(n,n+2t+He3)He3 | -59762.06 keV |
| C12(n,n+d+t+α)He3 | -45441.67 keV | C12(n,2d+2t)He3 | -63030.96 keV |
| C12(n,2n+p+t+α)He3 | -47666.23 keV | C12(n,n+p+d+2t)He3 | -65255.53 keV |
| C12(n,3n+He3+α)He3 | -48429.99 keV | C12(n,2n+d+t+He3)He3 | -66019.28 keV |
| C12(n,2n+2d+α)He3 | -51698.89 keV | C12(n,2n+2p+2t)He3 | -67480.10 keV |
| C12(n,3n+p+d+α)He3 | -53923.46 keV | C12(n,3n+p+t+He3)He3 | -68243.85 keV |
| C12(n,4n+2p+α)He3 | -56148.03 keV | C12(n,4n+2He3)He3 | -69007.60 keV |

| | | |
|-------------------|---|--------------------|
| | 6-C-12 | 7-N-14 >> |
| << MT30 (n,2n+2α) | MT35 (n,n+d+2α) or MT5 (H2 production) | MT36 (n,n+t+2α) >> |



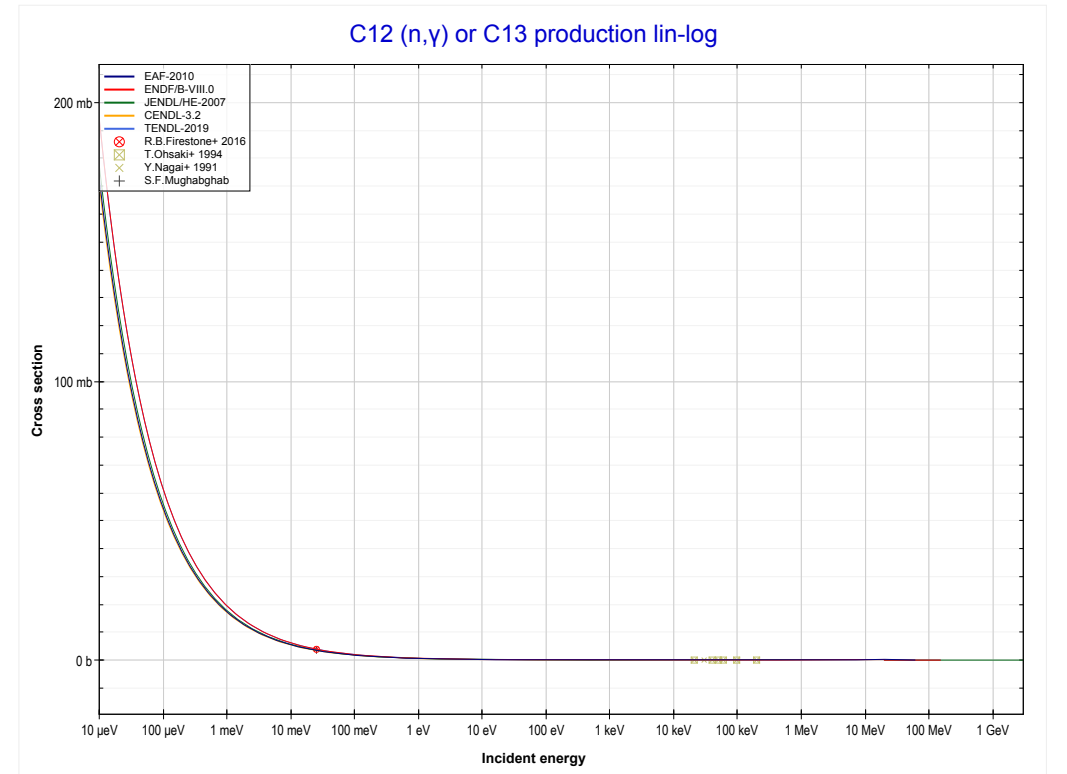
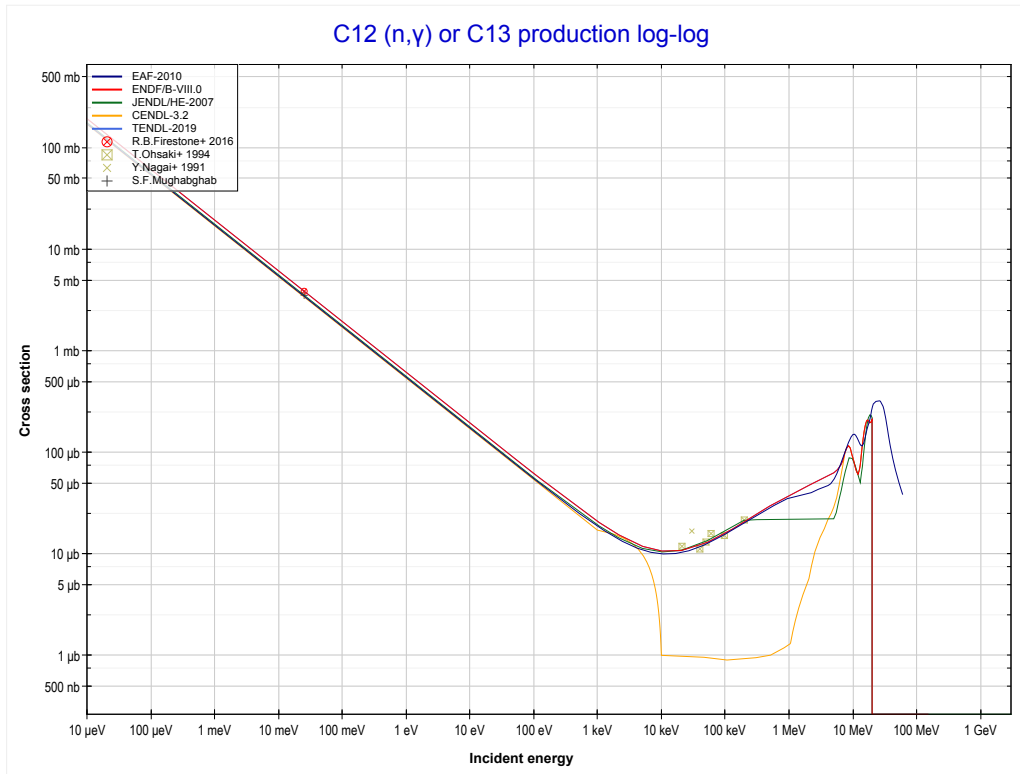
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|---------------------|---------------|
| C12(n,t+2α)H2 | -24864.05 keV | C12(n,2n+2p+t+α)H2 | -53159.71 keV |
| C12(n,n+d+2α)H2 | -31121.27 keV | C12(n,3n+p+He3+α)H2 | -53923.46 keV |
| C12(n,2n+p+2α)H2 | -33345.84 keV | C12(n,n+3d+α)H2 | -54967.80 keV |
| C12(n,p+2t+α)H2 | -44677.91 keV | C12(n,2n+p+2d+α)H2 | -57192.37 keV |
| C12(n,n+t+He3+α)H2 | -45441.67 keV | C12(n,3n+2p+d+α)H2 | -59416.93 keV |
| C12(n,2d+t+α)H2 | -48710.57 keV | C12(n,4n+3p+α)H2 | -61641.50 keV |
| C12(n,n+p+d+t+α)H2 | -50935.14 keV | C12(n,d+2t+He3)H2 | -63030.96 keV |
| C12(n,2n+d+He3+α)H2 | -51698.89 keV | C12(n,2p+3t)H2 | -64491.78 keV |

| | | |
|--------------------|---|----------------|
| | 6-C-12 | |
| << MT35 (n,n+d+2α) | MT36 (n,n+t+2α) or MT5 (H1 production) | MT102 (n,γ) >> |



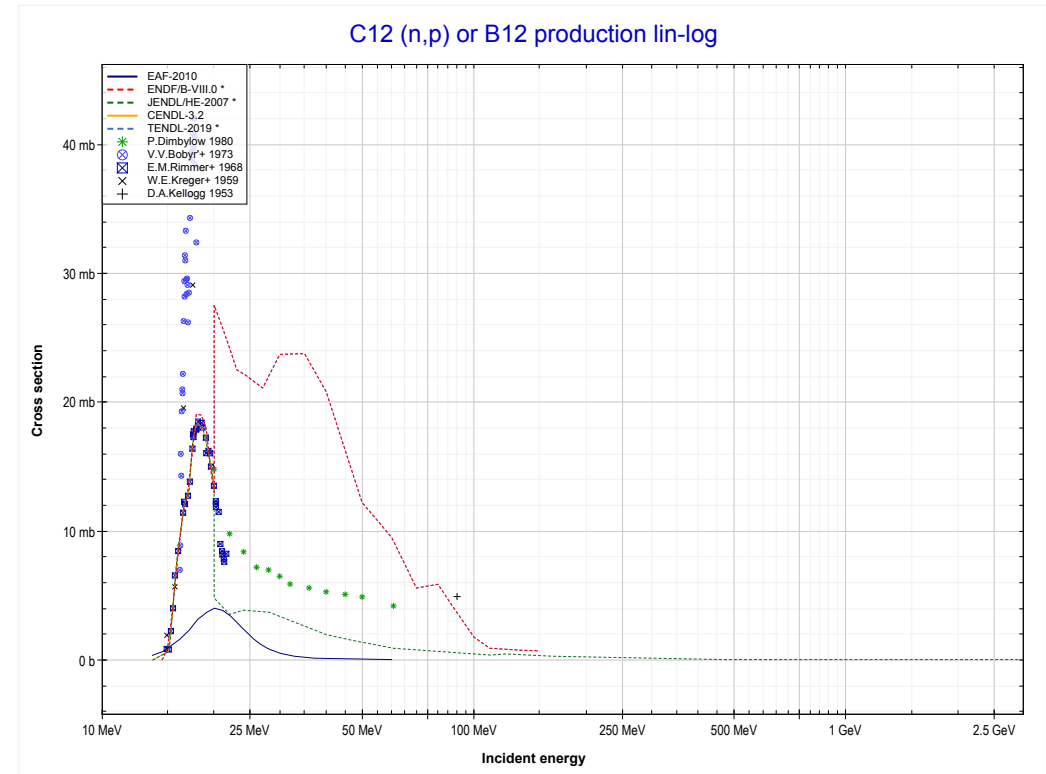
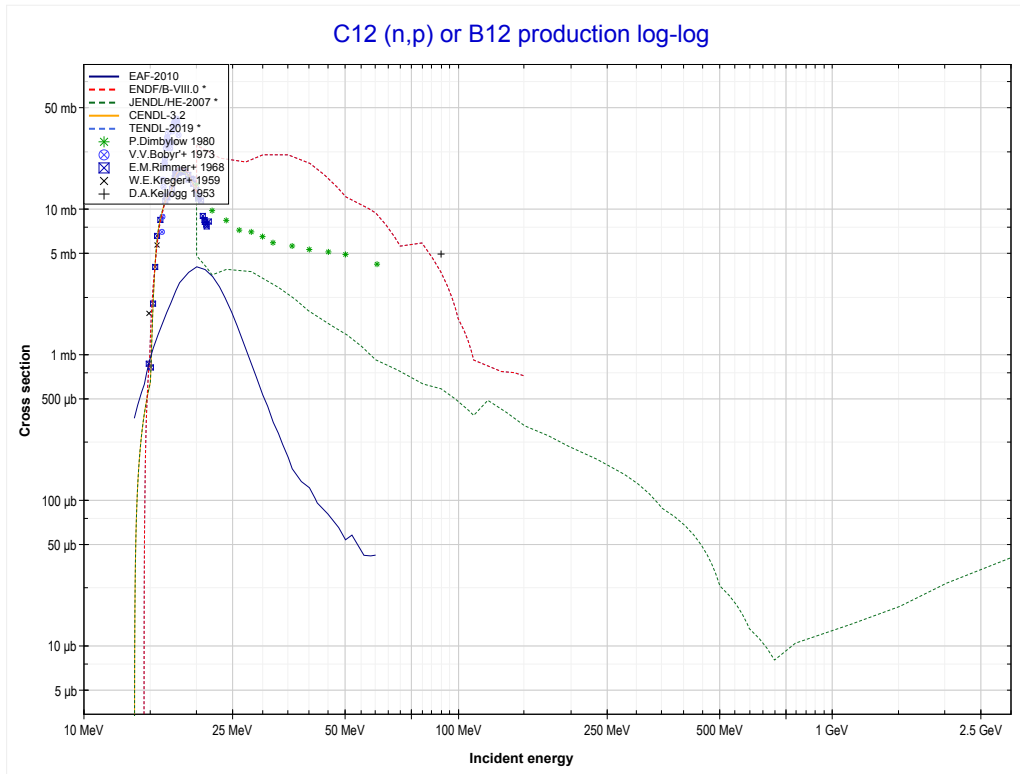
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|---------------------|---------------|
| C12(n,n+t+2α)H1 | -27088.61 keV | C12(n,3n+d+He3+α)H1 | -53923.46 keV |
| C12(n,2n+d+2α)H1 | -33345.84 keV | C12(n,3n+2p+t+α)H1 | -55384.27 keV |
| C12(n,3n+p+2α)H1 | -35570.41 keV | C12(n,4n+p+He3+α)H1 | -56148.03 keV |
| C12(n,d+2t+α)H1 | -44677.91 keV | C12(n,2n+3d+α)H1 | -57192.37 keV |
| C12(n,n+p+2t+α)H1 | -46902.48 keV | C12(n,3t+He3)H1 | -58998.30 keV |
| C12(n,2n+t+He3+α)H1 | -47666.23 keV | C12(n,3n+p+2d+α)H1 | -59416.93 keV |
| C12(n,n+2d+t+α)H1 | -50935.14 keV | C12(n,4n+2p+d+α)H1 | -61641.50 keV |
| C12(n,2n+p+d+t+α)H1 | -53159.71 keV | C12(n,5n+3p+α)H1 | -63866.07 keV |

| | | |
|--------------------|--|----------------|
| << 6-C-Nat | 6-C-12 | 6-C-13 >> |
| << MT36 (n,n+t+2α) | MT102 (n,γ) or MT5 (C13 production) | MT103 (n,p) >> |



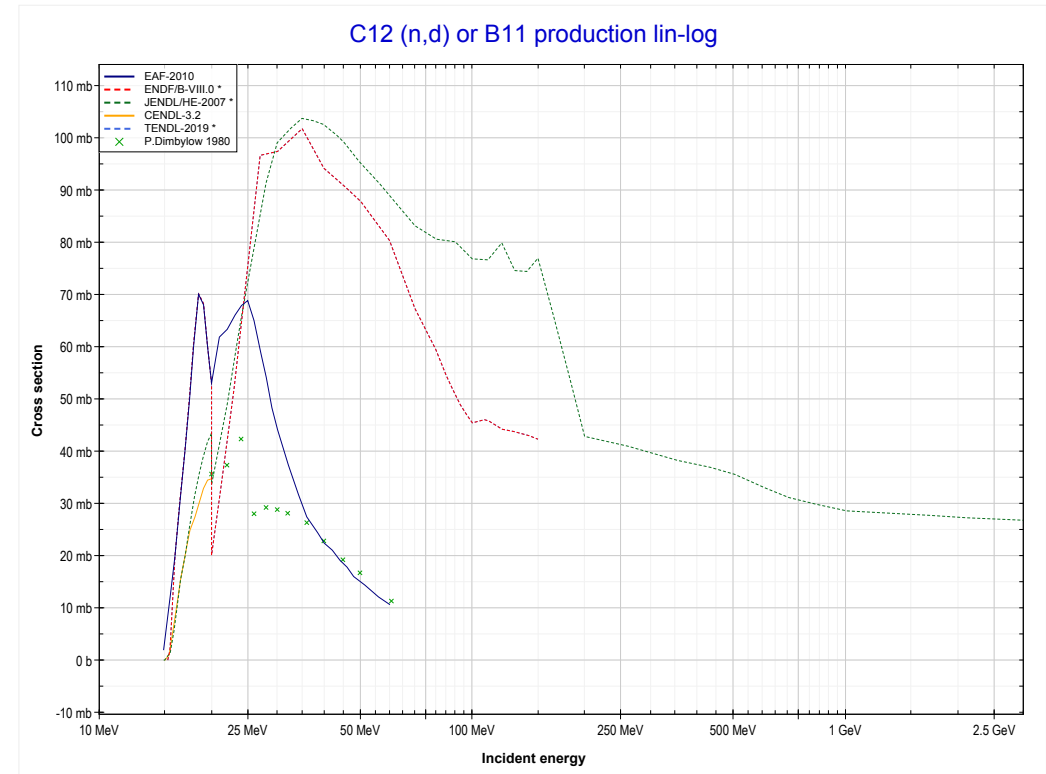
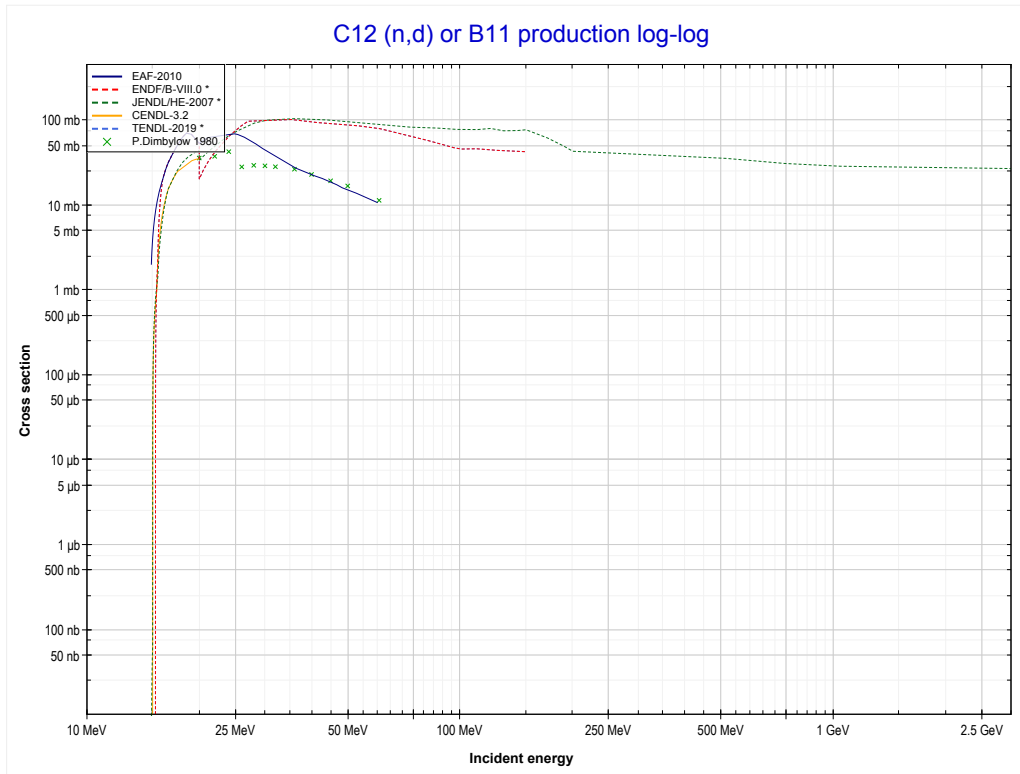
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0034368 b | 0.00343422 b | 0.0034347 b | 1.00015 | 0.00157201 b | 3.91794E-5 b | 1.1586E-4 b |
| ENDF/B-VIII.0 | 0.003862 b | 0.003862 b | 0.0038633 b | 1.00033 | 0.00176703 b | 4.41105E-5 b | 1.15678E-4 b |
| JENDL/HE-2007 | 0.00353 b | 0.00353 b | 0.0035302 b | 1.00006 | 0.00161581 b | 2.30638E-5 b | 7.04604E-5 b |
| CENDL-3.2 | 0.00336703 b | 0.00336703 b | 0.0033766 b | 1.00285 | 0.00152571 b | 9.49002E-6 b | 1.15679E-4 b |
| TENDL-2019 | 0.00386042 b | 0.00386042 b | 0.0038608 b | 1.00011 | 0.00176456 b | 4.40942E-5 b | 1.15677E-4 b |

| | | |
|-------------------------|--|----------------|
| << 5-B-11 | 6-C-12 | 7-N-14 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (B12 production) | MT104 (n,d) >> |



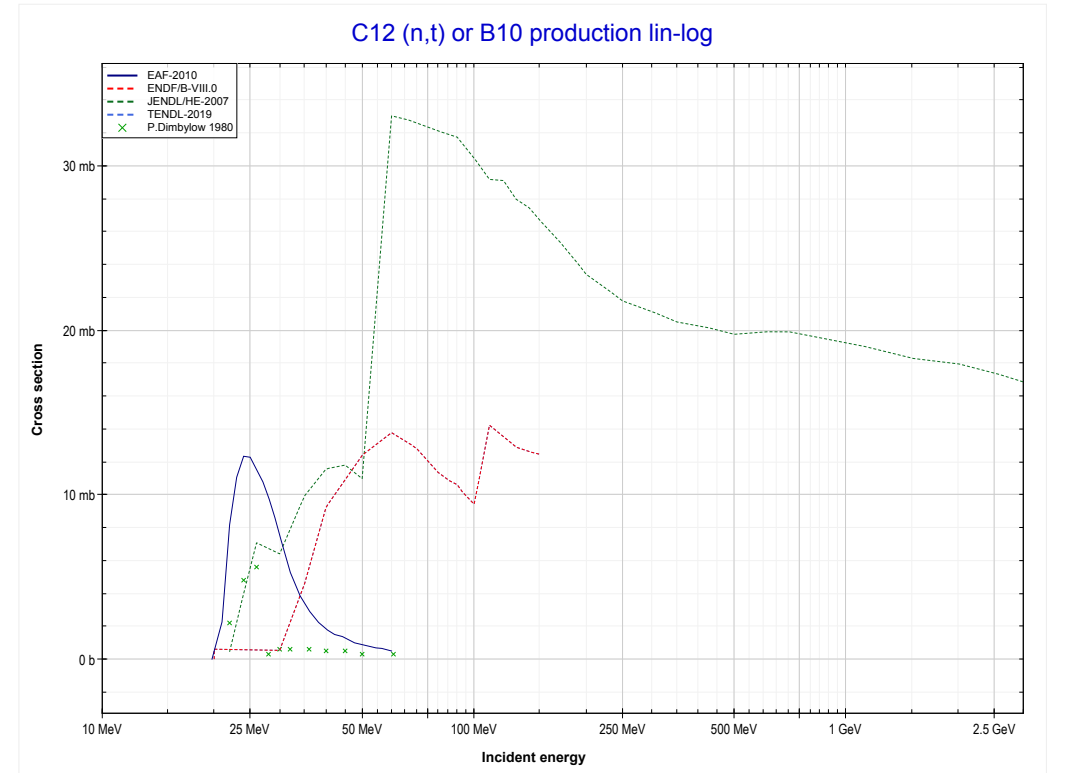
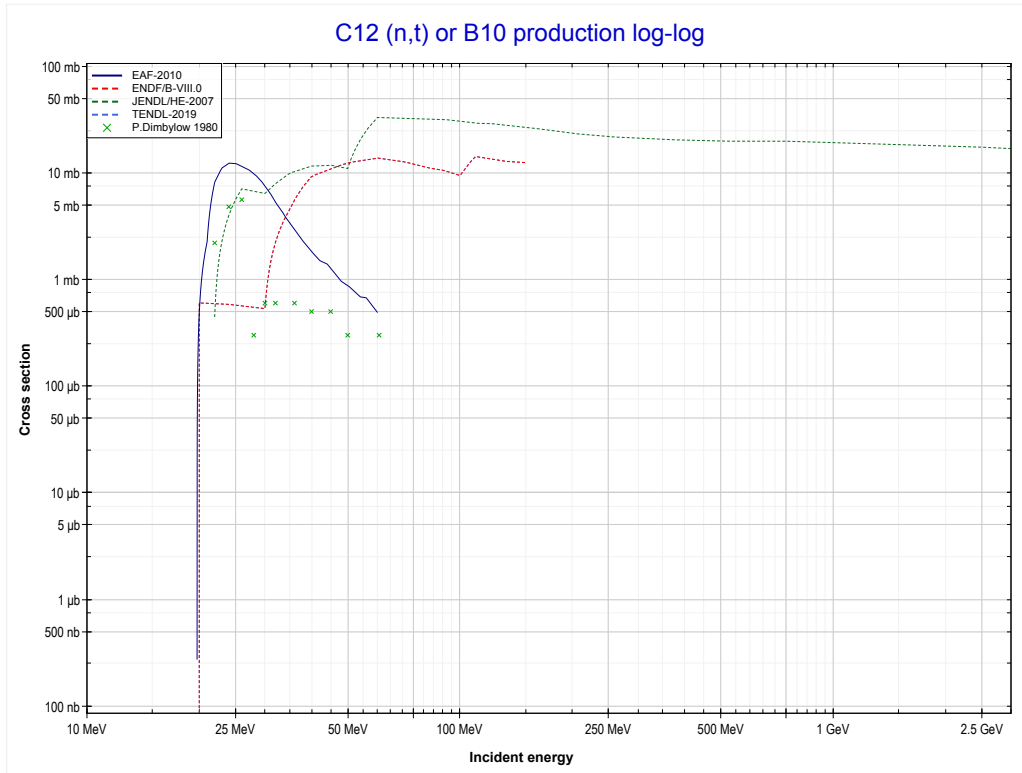
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38175E-7 b | 4.76947E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.9669E-7 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.02349E-7 b | 1.6399E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.02349E-7 b | 1.6399E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.96615E-7 b | 0 b |

| | | |
|----------------|--|----------------|
| << 4-Be-9 | 6-C-12 | 7-N-14 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (B11 production) | MT105 (n,t) >> |



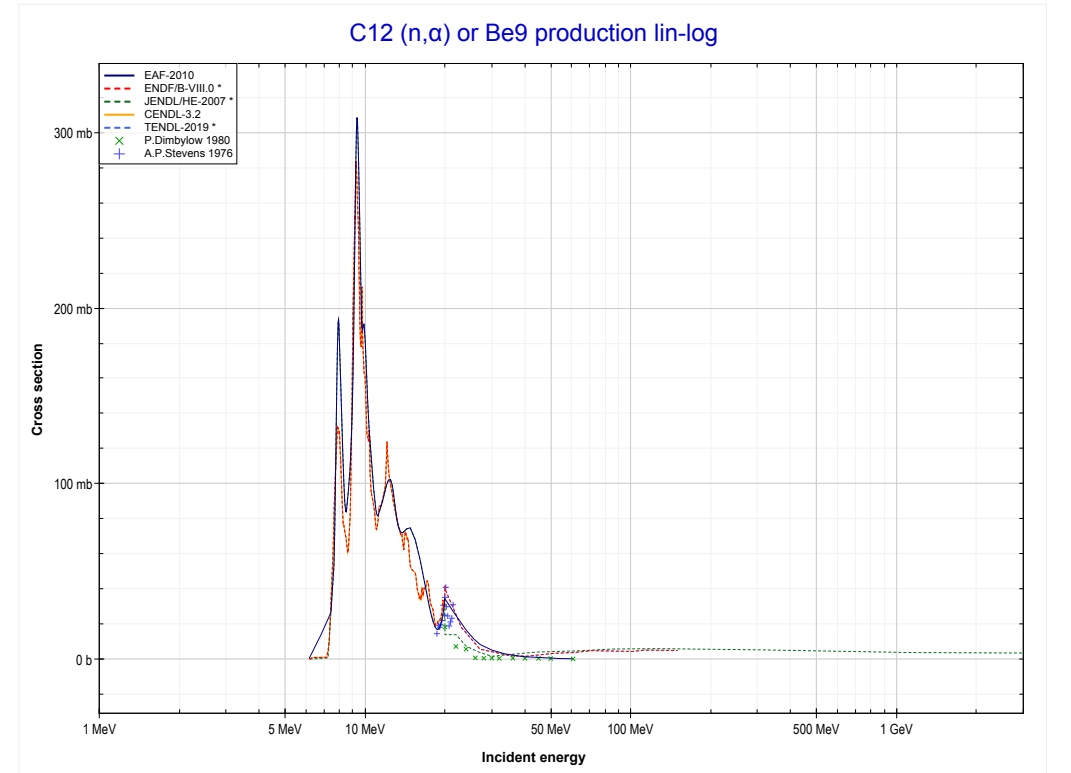
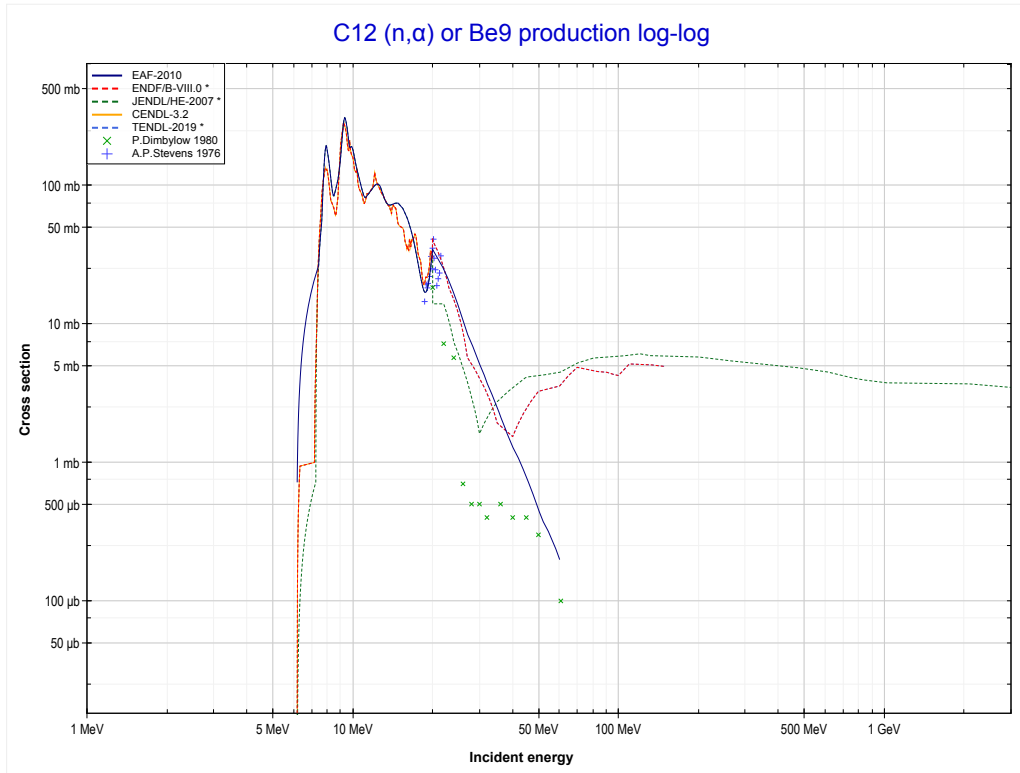
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45186E-6 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29822E-6 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.40908E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.18717E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29806E-6 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 5-B-11 | 6-C-12 | 6-C-13 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (B10 production) | MT107 (n, α) >> |



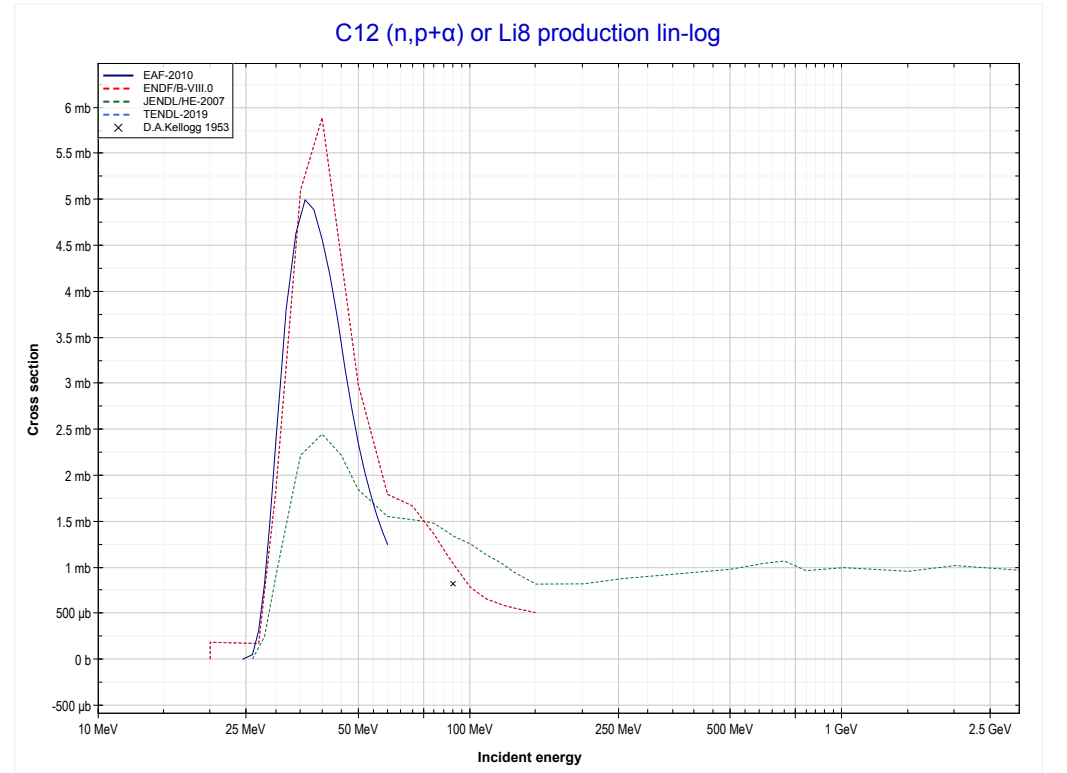
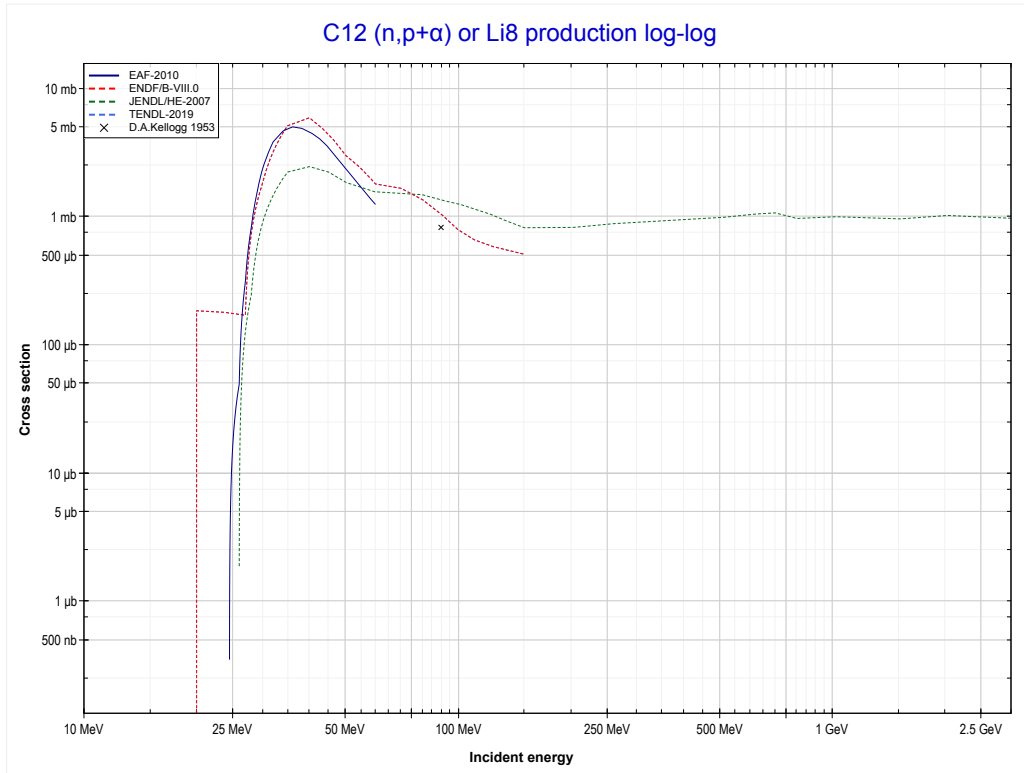
| Reaction | Q-Value |
|----------------|---------------|
| C12(n,t)B10 | -18929.10 keV |
| C12(n,n+d)B10 | -25186.33 keV |
| C12(n,2n+p)B10 | -27410.90 keV |

| | | |
|----------------|--|---------------------------|
| << 5-B-11 | 6-C-12 | 6-C-13 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Be9 production) | MT112 (n,p+ α) >> |



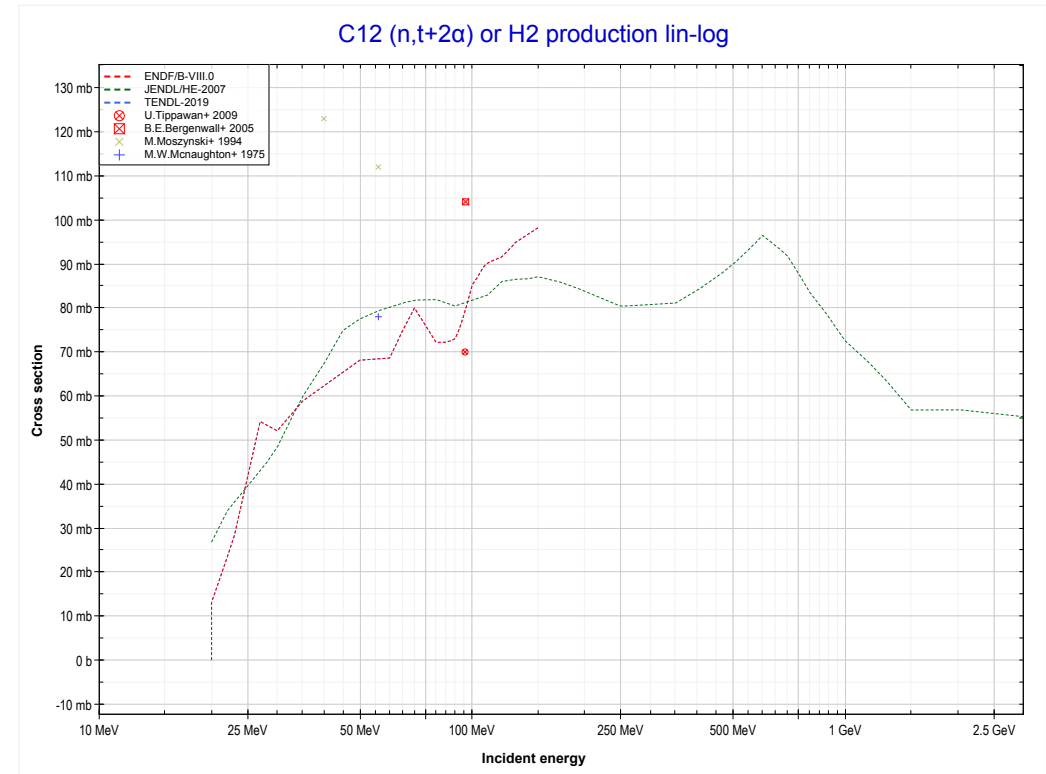
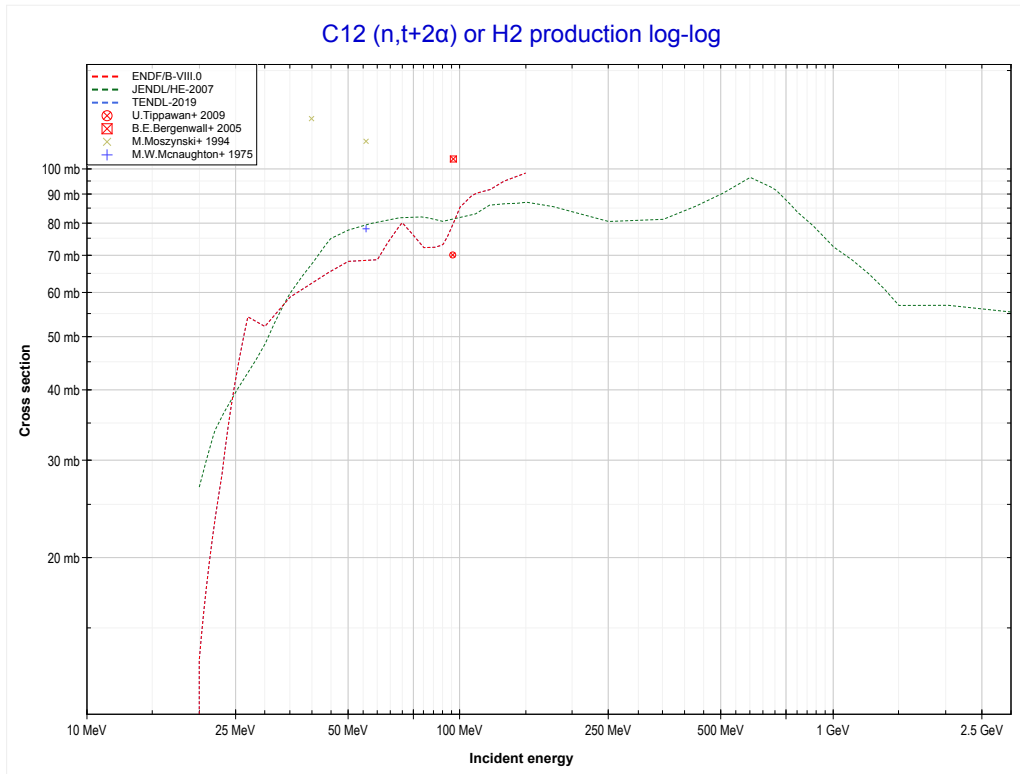
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00168446 b | 0.0726547 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0013663 b | 0.0623 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00153039 b | 0.0726547 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0013663 b | 0.0623 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0013663 b | 0.0623 b |

| | | |
|-------------------------|--|----------------------------|
| | 6-C-12 | 23-V-51 >> |
| << MT107 (n, α) | MT112 (n,p+α) or MT5 (Li8 production) | MT113 (n,t+2 α) >> |



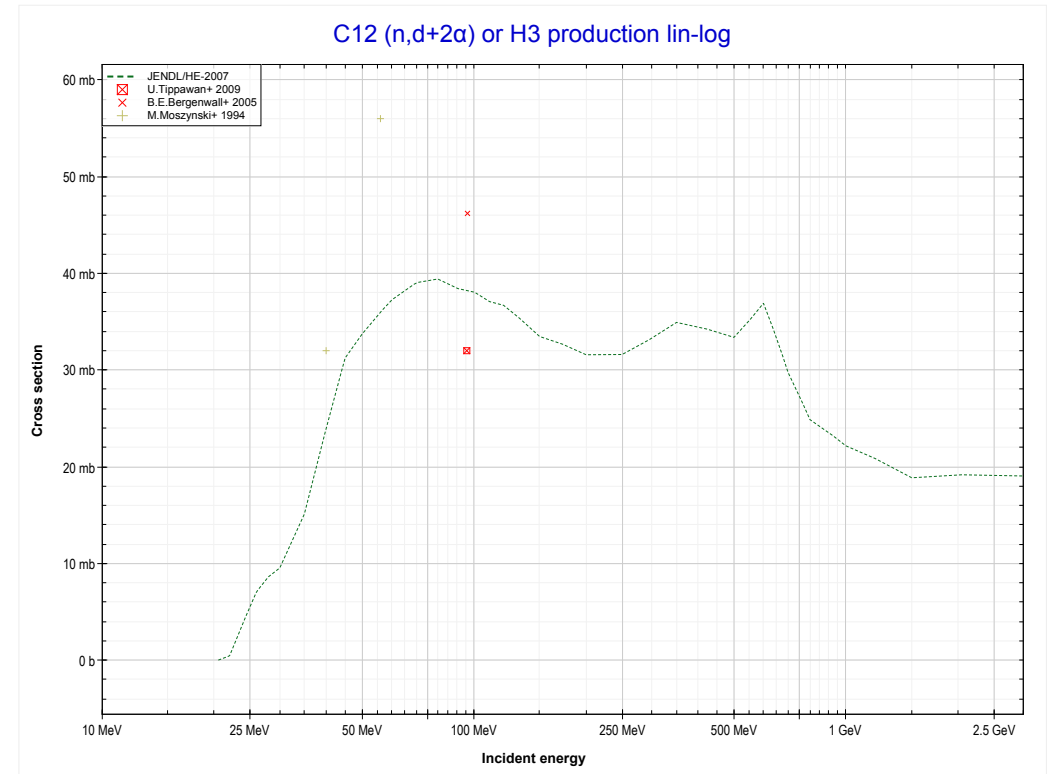
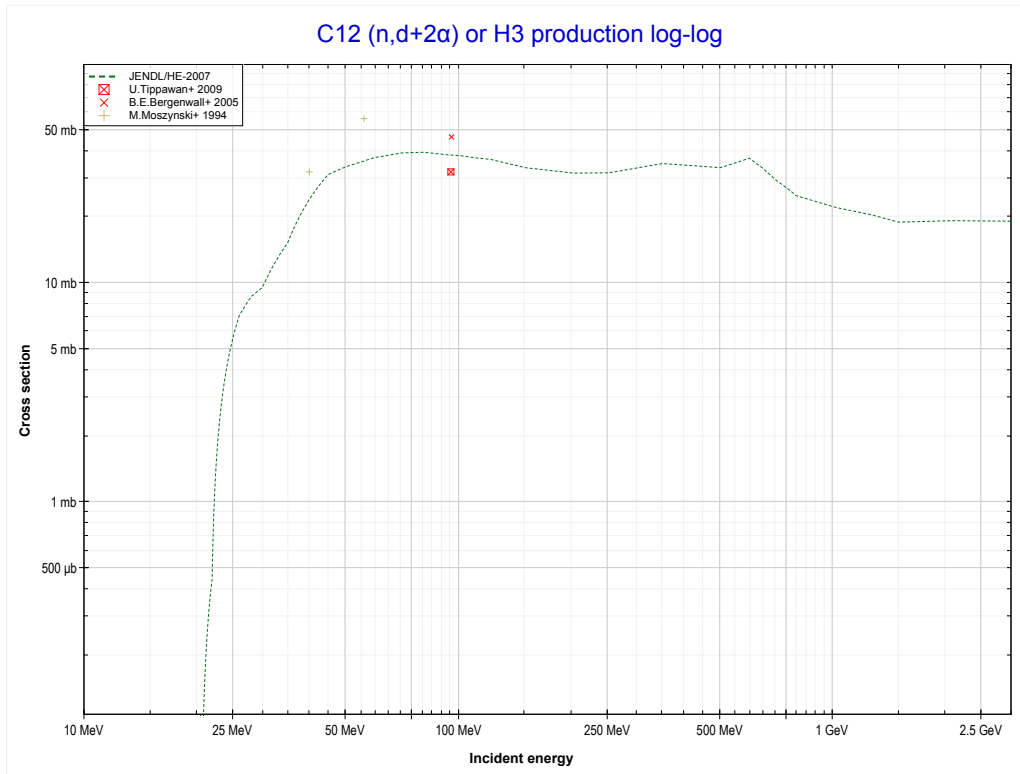
| Reaction | Q-Value |
|------------------------|---------------|
| C12(n,p+ α)Li8 | -22588.37 keV |
| C12(n,d+He3)Li8 | -40941.42 keV |
| C12(n,2p+t)Li8 | -42402.23 keV |
| C12(n,n+p+He3)Li8 | -43165.99 keV |
| C12(n,p+2d)Li8 | -46434.90 keV |
| C12(n,n+2p+d)Li8 | -48659.46 keV |
| C12(n,2n+3p)Li8 | -50884.03 keV |

| | | |
|------------------|--|-------------------|
| | 6-C-12 | 7-N-14 >> |
| << MT112 (n,p+α) | MT113 (n,t+2α) or MT5 (H2 production) | MT114 (n,d+2α) >> |



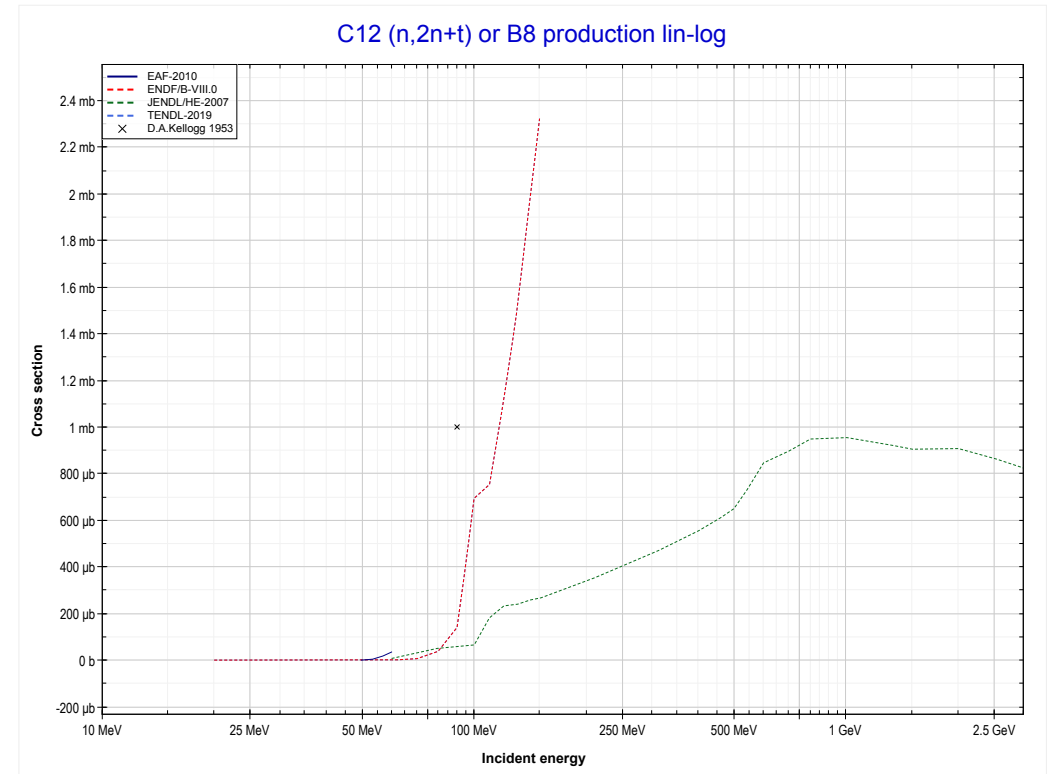
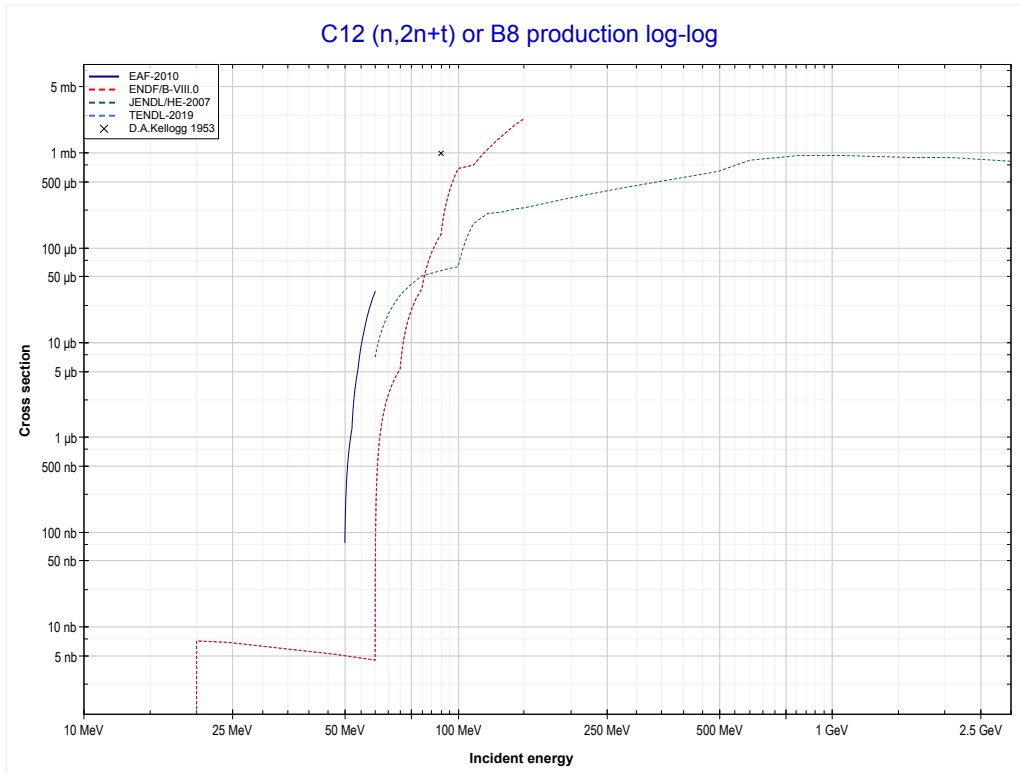
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|---------------------|---------------|
| C12(n,t+2α)H2 | -24864.05 keV | C12(n,2n+2p+t+α)H2 | -53159.71 keV |
| C12(n,n+d+2α)H2 | -31121.27 keV | C12(n,3n+p+He3+α)H2 | -53923.46 keV |
| C12(n,2n+p+2α)H2 | -33345.84 keV | C12(n,n+3d+α)H2 | -54967.80 keV |
| C12(n,p+2t+α)H2 | -44677.91 keV | C12(n,2n+p+2d+α)H2 | -57192.37 keV |
| C12(n,n+t+He3+α)H2 | -45441.67 keV | C12(n,3n+2p+d+α)H2 | -59416.93 keV |
| C12(n,2d+t+α)H2 | -48710.57 keV | C12(n,4n+3p+α)H2 | -61641.50 keV |
| C12(n,n+p+d+t+α)H2 | -50935.14 keV | C12(n,d+2t+He3)H2 | -63030.96 keV |
| C12(n,2n+d+He3+α)H2 | -51698.89 keV | C12(n,2p+3t)H2 | -64491.78 keV |

| | | |
|-------------------|--|-------------------|
| | 6-C-12 | |
| << MT113 (n,t+2α) | MT114 (n,d+2α) or MT5 (H3 production) | MT154 (n,2n+t) >> |



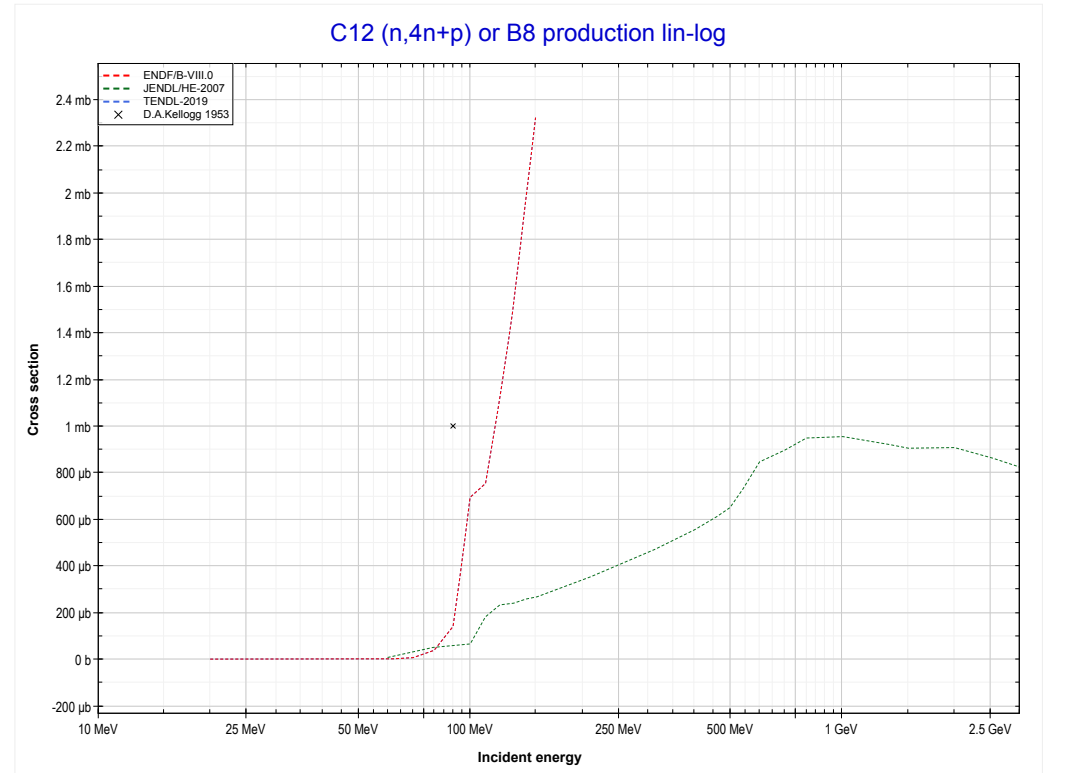
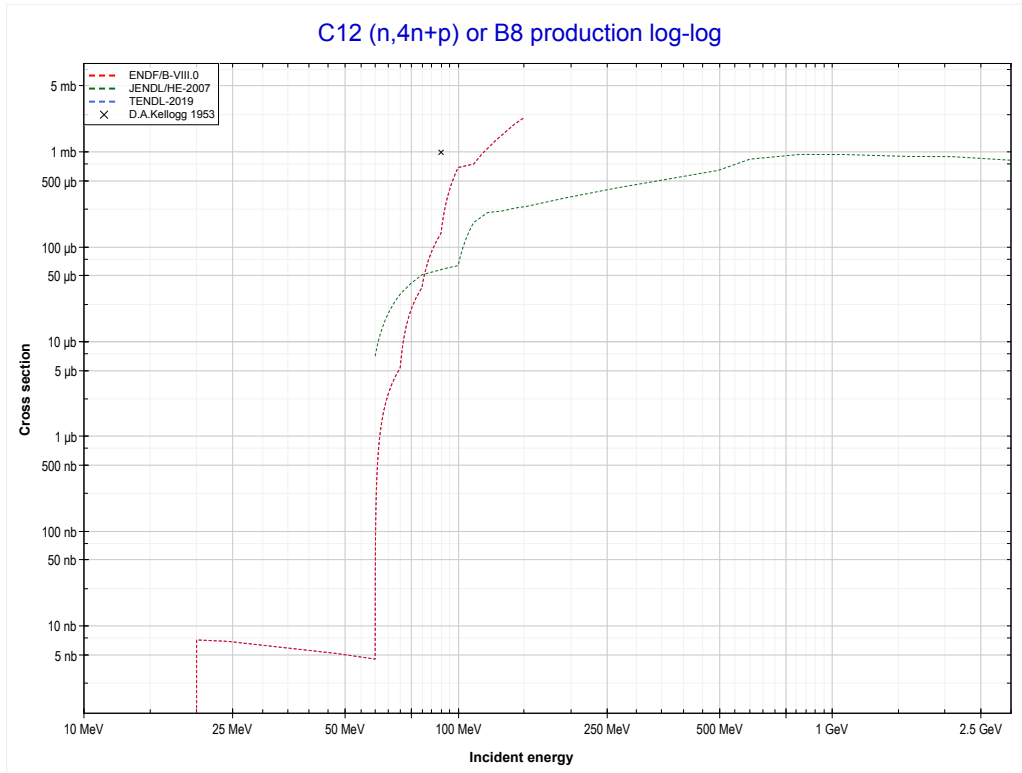
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|----------------------|---------------|
| C12(n,d+2α)H3 | -24864.05 keV | C12(n,n+p+2d+α)H3 | -50935.14 keV |
| C12(n,n+p+2α)H3 | -27088.61 keV | C12(n,2n+2p+d+α)H3 | -53159.71 keV |
| C12(n,t+He3+α)H3 | -39184.44 keV | C12(n,3n+3p+α)H3 | -55384.27 keV |
| C12(n,p+d+t+α)H3 | -44677.91 keV | C12(n,p+2t+He3)H3 | -58998.30 keV |
| C12(n,n+d+He3+α)H3 | -45441.67 keV | C12(n,n+t+2He3)H3 | -59762.06 keV |
| C12(n,n+2p+t+α)H3 | -46902.48 keV | C12(n,2d+t+He3)H3 | -63030.96 keV |
| C12(n,2n+p+He3+α)H3 | -47666.23 keV | C12(n,2p+d+2t)H3 | -64491.78 keV |
| C12(n,3d+α)H3 | -48710.57 keV | C12(n,n+p+d+t+He3)H3 | -65255.53 keV |

| | | |
|--------------------------------|--|--------------------------------|
| | 6-C-12 | 26-Fe-56 >> |
| << MT114 (n,d+2α) | MT154 (n,2n+t) or MT5 (B8 production) | MT156 (n,4n+p) >> |



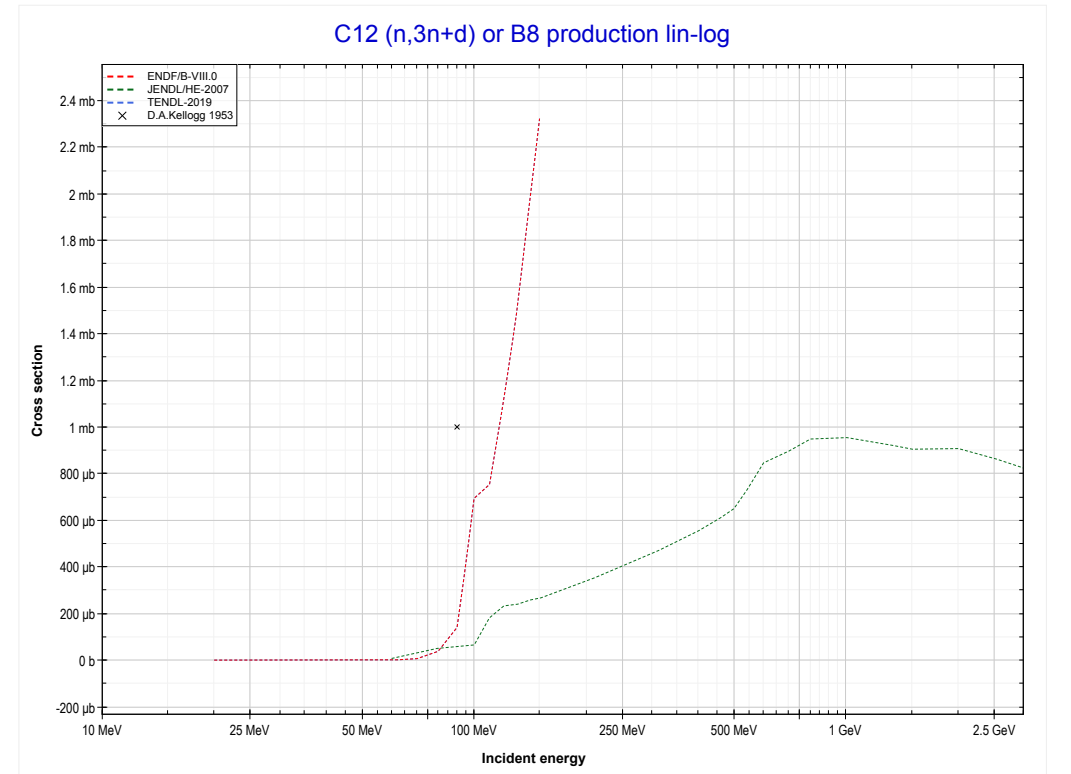
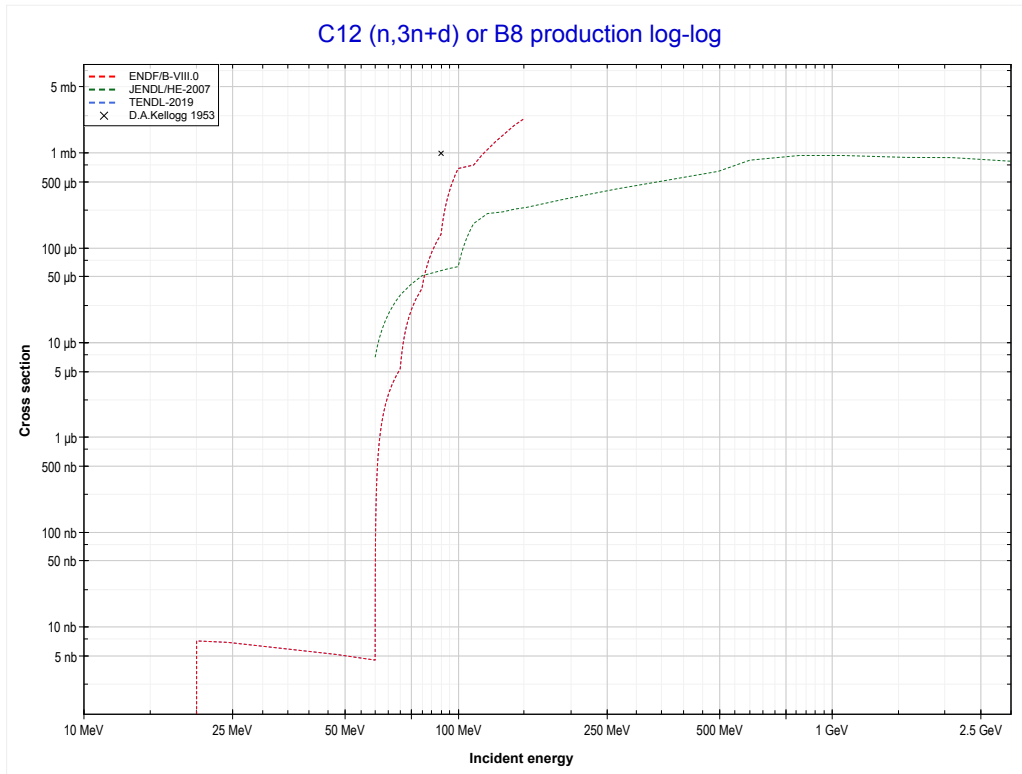
| Reaction | Q-Value |
|---------------|---------------|
| C12(n,2n+t)B8 | -45942.73 keV |
| C12(n,3n+d)B8 | -52199.96 keV |
| C12(n,4n+p)B8 | -54424.52 keV |

| | | |
|-------------------|--|-------------------|
| | 6-C-12 | 26-Fe-56 >> |
| << MT154 (n,2n+t) | MT156 (n,4n+p) or MT5 (B8 production) | MT157 (n,3n+d) >> |



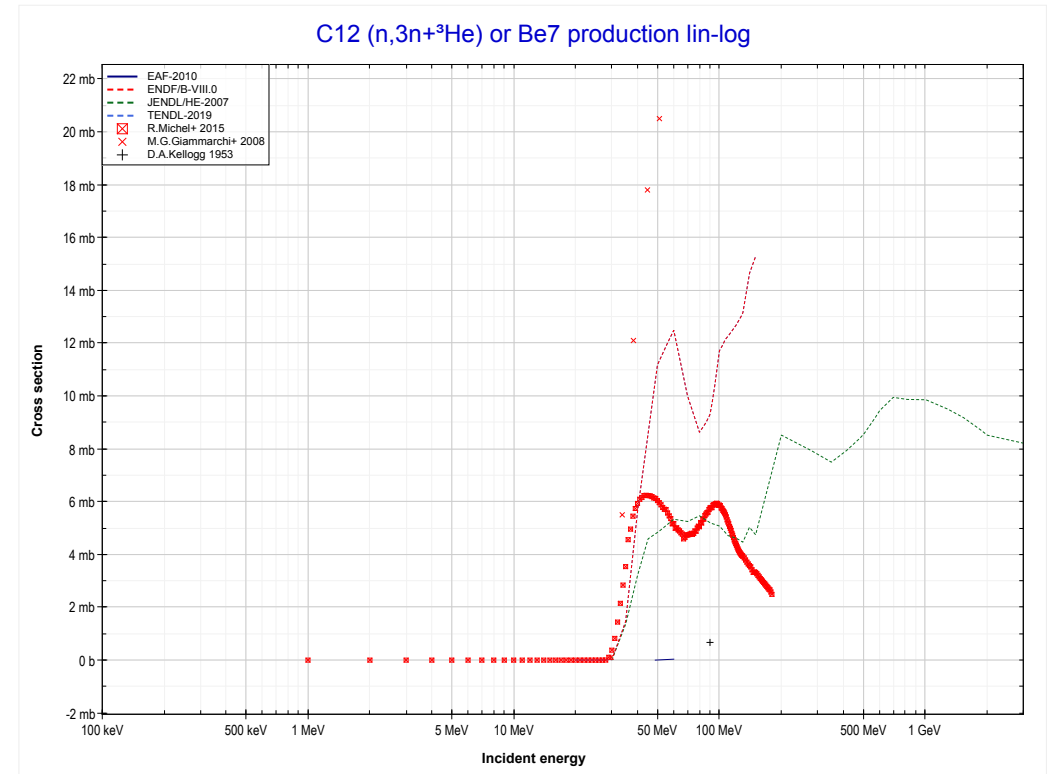
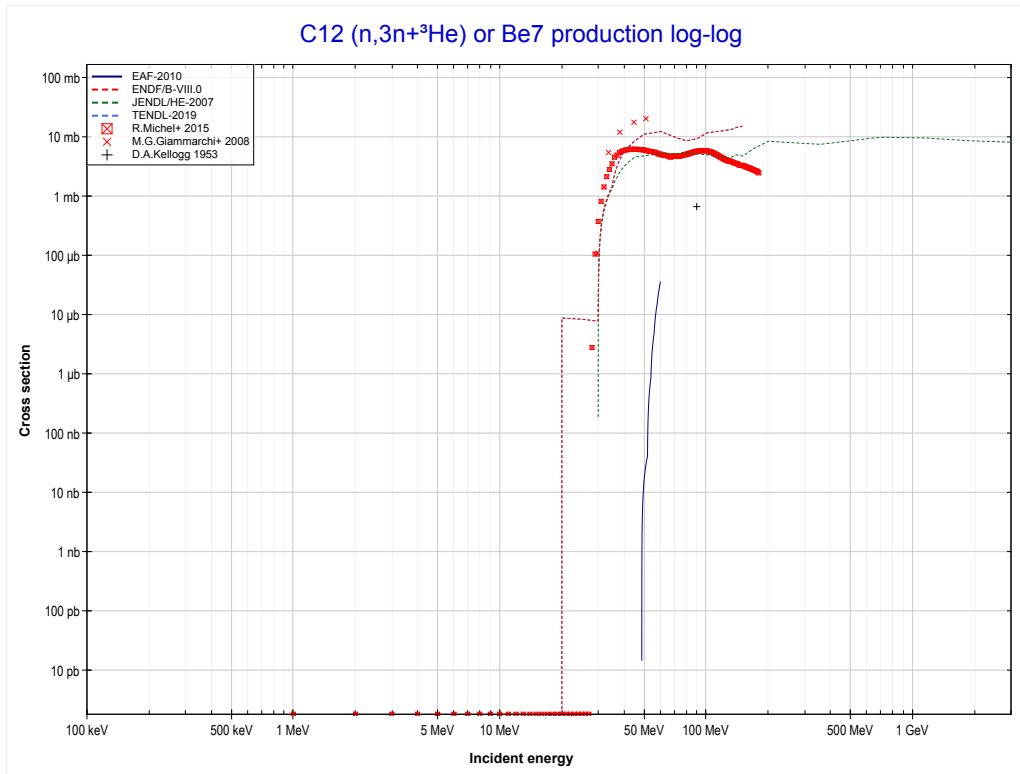
| Reaction | Q-Value |
|---------------|---------------|
| C12(n,2n+t)B8 | -45942.73 keV |
| C12(n,3n+d)B8 | -52199.96 keV |
| C12(n,4n+p)B8 | -54424.52 keV |

| | | |
|--------------------------------|--|---|
| | 6-C-12 | 26-Fe-56 >> |
| << MT156 (n,4n+p) | MT157 (n,3n+d) or MT5 (B8 production) | MT177 (n,3n+³He) >> |



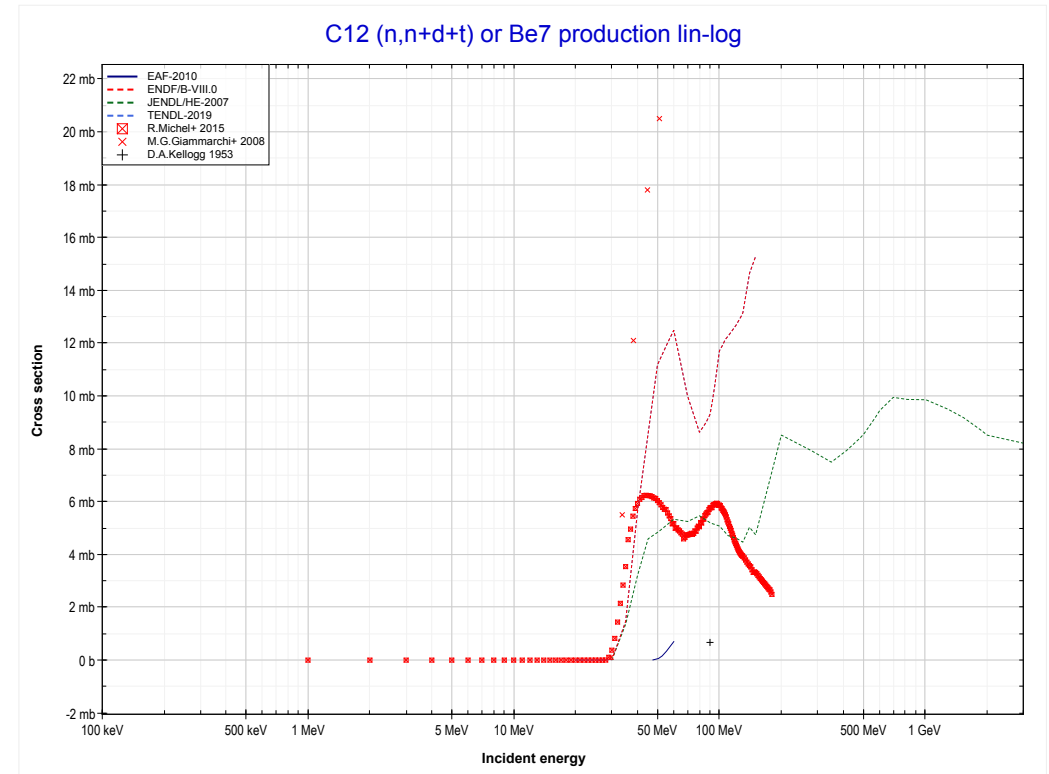
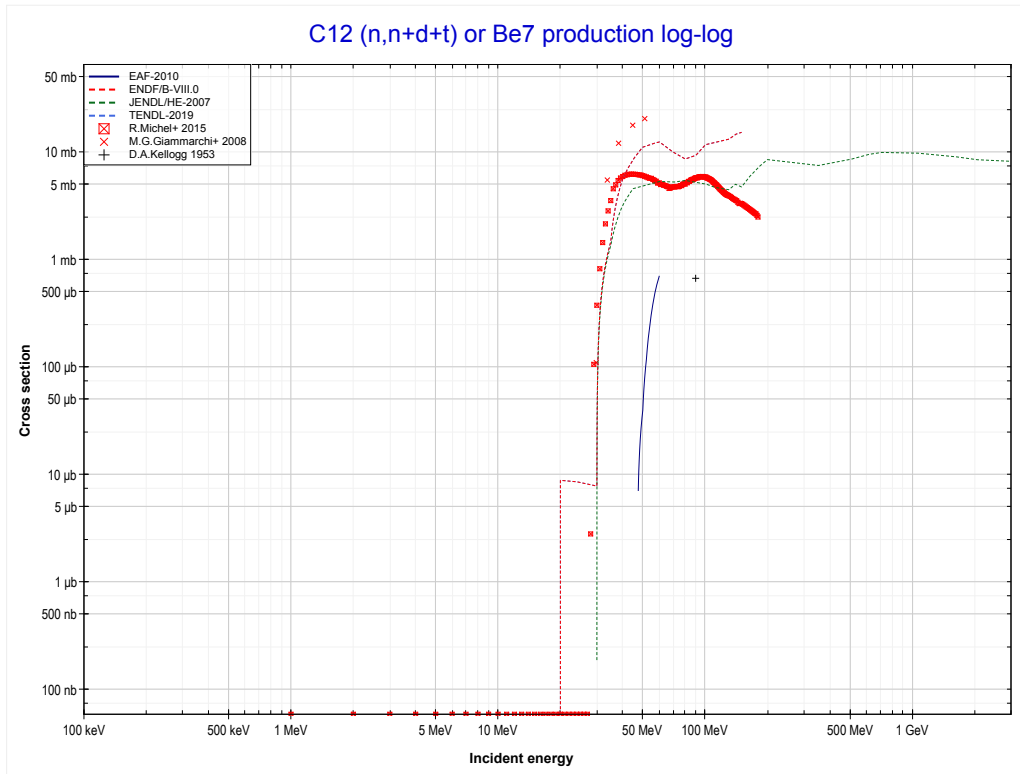
| Reaction | Q-Value |
|---------------|---------------|
| C12(n,2n+t)B8 | -45942.73 keV |
| C12(n,3n+d)B8 | -52199.96 keV |
| C12(n,4n+p)B8 | -54424.52 keV |

| | | |
|-------------------|--|--------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT157 (n,3n+d) | MT177 (n,3n+³He) or MT5 (Be7 production) | MT185 (n,n+d+t) >> |



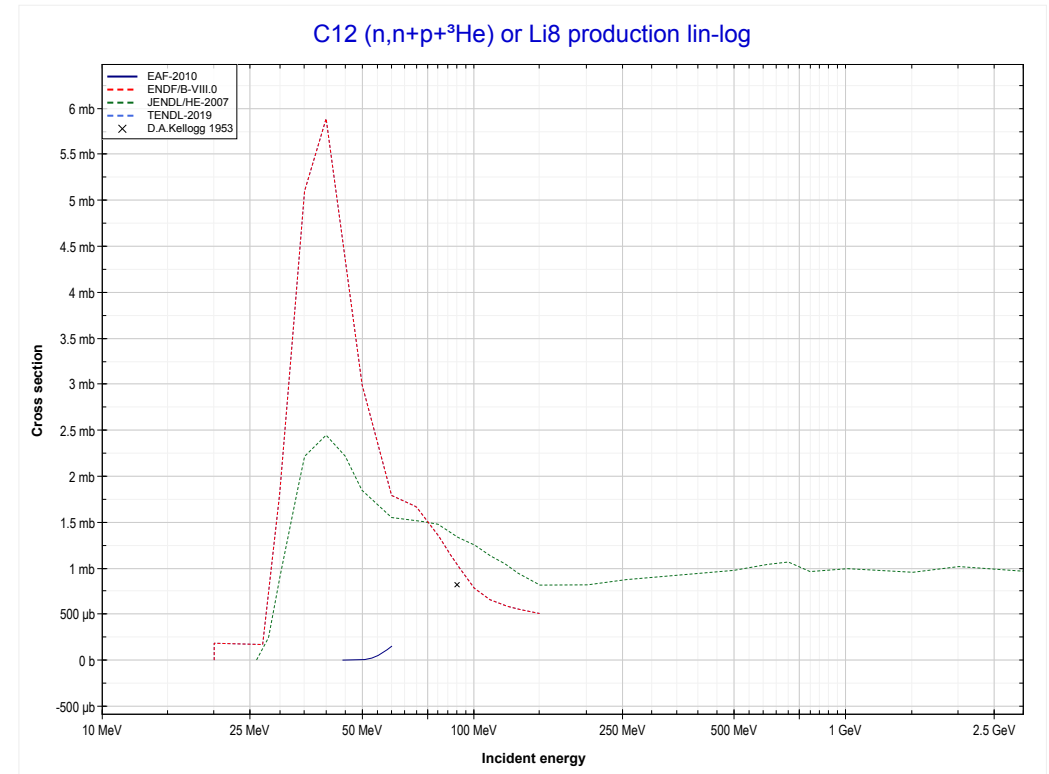
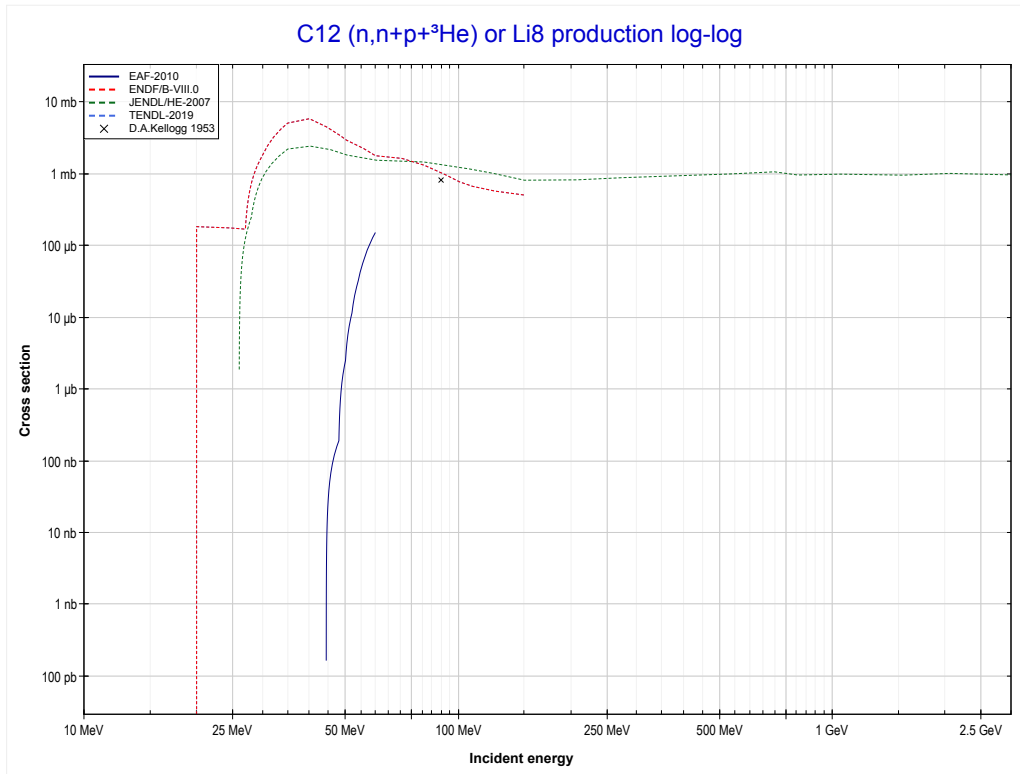
| Reaction | Q-Value |
|------------------|---------------|
| C12(n,2n+α)Be7 | -26265.23 keV |
| C12(n,2t)Be7 | -37597.30 keV |
| C12(n,n+d+t)Be7 | -43854.53 keV |
| C12(n,2n+p+t)Be7 | -46079.10 keV |
| C12(n,3n+He3)Be7 | -46842.85 keV |
| C12(n,2n+2d)Be7 | -50111.76 keV |
| C12(n,3n+p+d)Be7 | -52336.33 keV |
| C12(n,4n+2p)Be7 | -54560.89 keV |

| | | |
|----------------------------------|--|-----------------------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT177 (n,3n+ ³ He) | MT185 (n,n+d+t) or MT5 (Be7 production) | MT186 (n,n+p+ ³ He) >> |



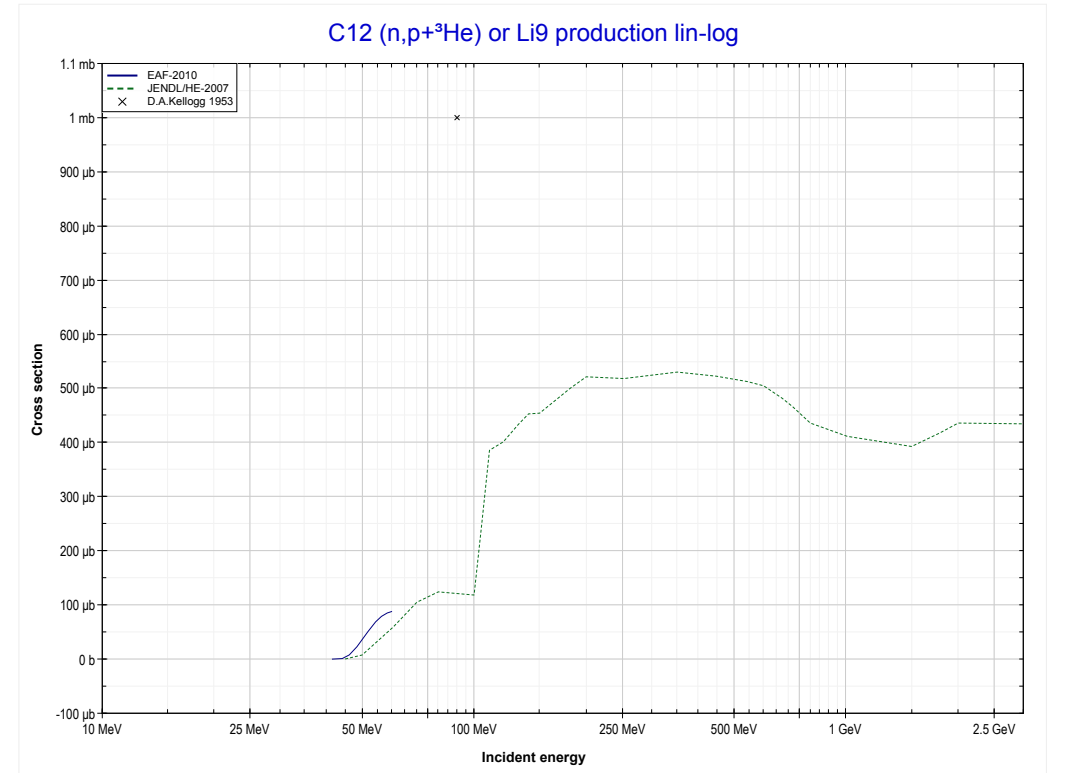
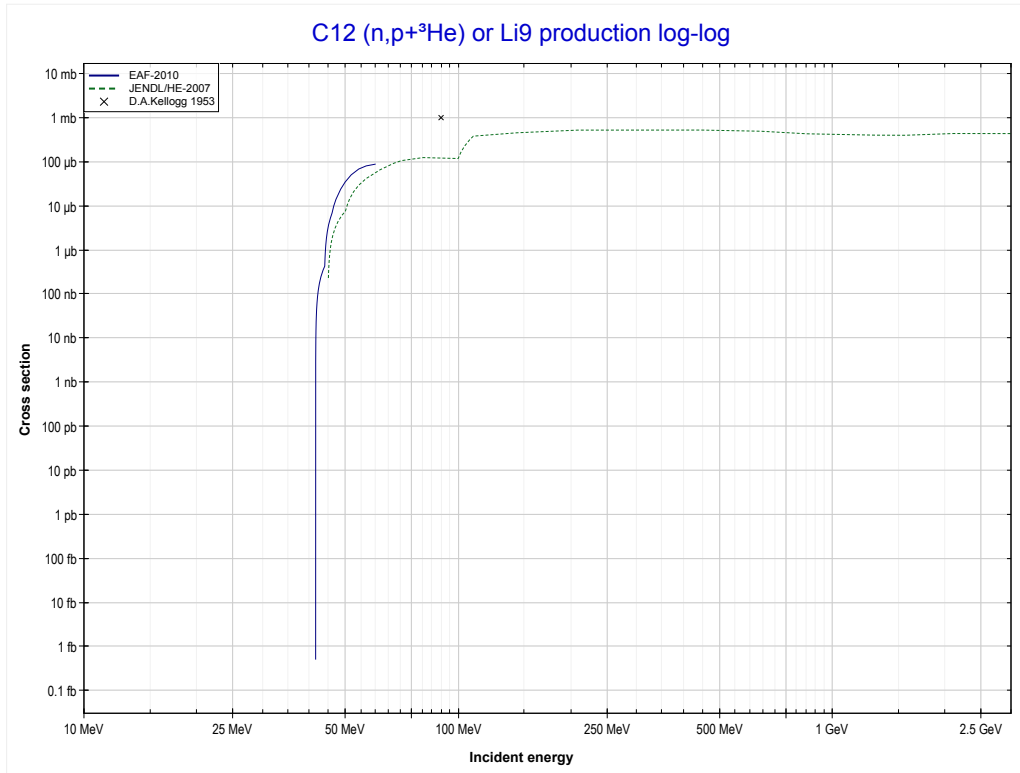
| Reaction | Q-Value |
|------------------|---------------|
| C12(n,2n+α)Be7 | -26265.23 keV |
| C12(n,2t)Be7 | -37597.30 keV |
| C12(n,n+d+t)Be7 | -43854.53 keV |
| C12(n,2n+p+t)Be7 | -46079.10 keV |
| C12(n,3n+He3)Be7 | -46842.85 keV |
| C12(n,2n+2d)Be7 | -50111.76 keV |
| C12(n,3n+p+d)Be7 | -52336.33 keV |
| C12(n,4n+2p)Be7 | -54560.89 keV |

| | | |
|--------------------|---|---------------------------------|
| | 6-C-12 | 23-V-51 >> |
| << MT185 (n,n+d+t) | MT186 (n,n+p+³He) or MT5 (Li8 production) | MT191 (n,p+ ³ He) >> |



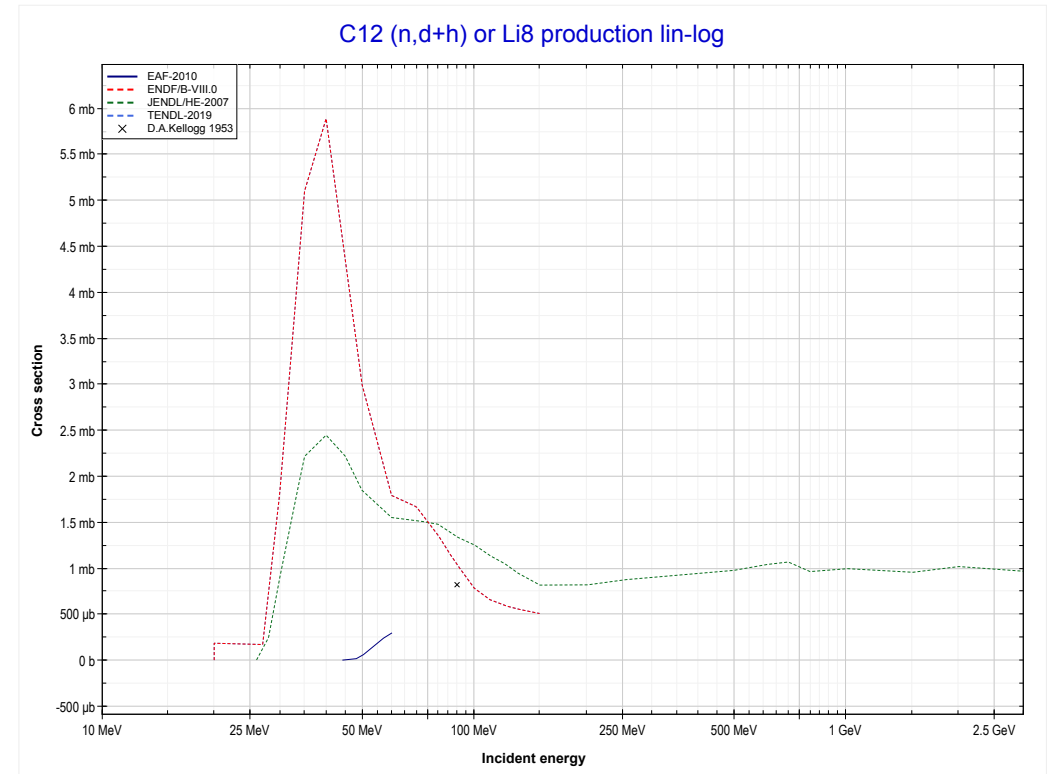
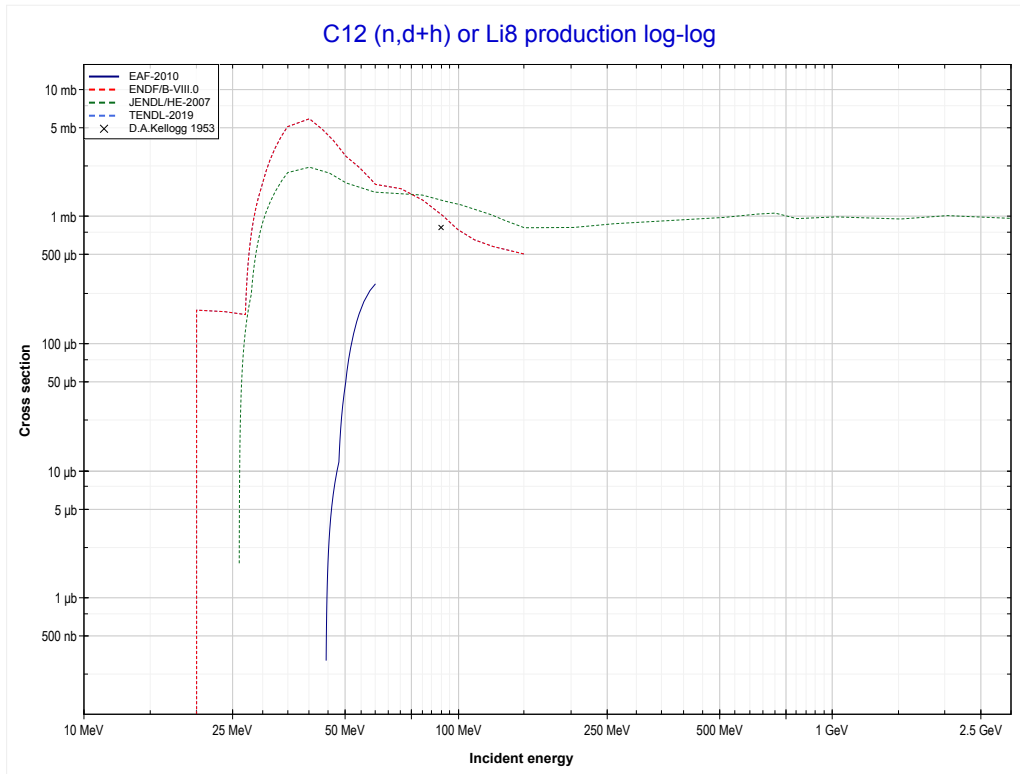
| Reaction | Q-Value |
|-------------------|---------------|
| C12(n,p+α)Li8 | -22588.37 keV |
| C12(n,d+He3)Li8 | -40941.42 keV |
| C12(n,2p+t)Li8 | -42402.23 keV |
| C12(n,n+p+He3)Li8 | -43165.99 keV |
| C12(n,p+2d)Li8 | -46434.90 keV |
| C12(n,n+2p+d)Li8 | -48659.46 keV |
| C12(n,2n+3p)Li8 | -50884.03 keV |

| | | |
|-----------------------------------|---|---------------------------------|
| | 6-C-12 | 15-P-31 >> |
| << MT186 (n,n+p+ ³ He) | MT191 (n,p+³He) or MT5 (Li9 production) | MT192 (n,d+ ³ He) >> |



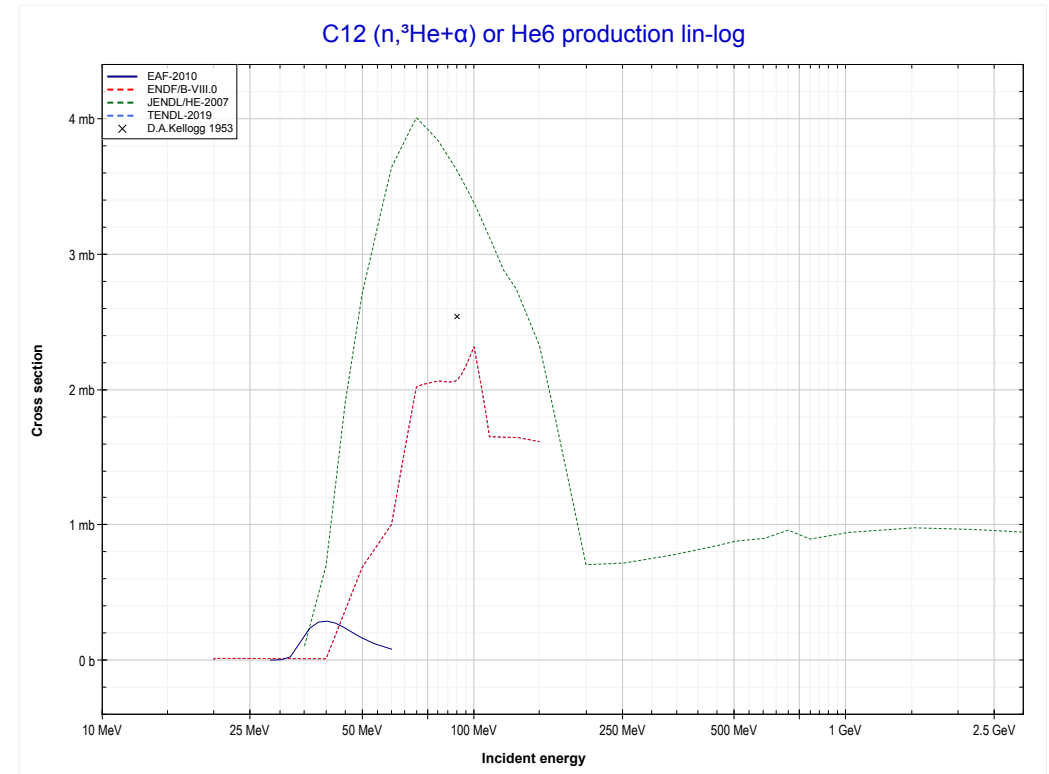
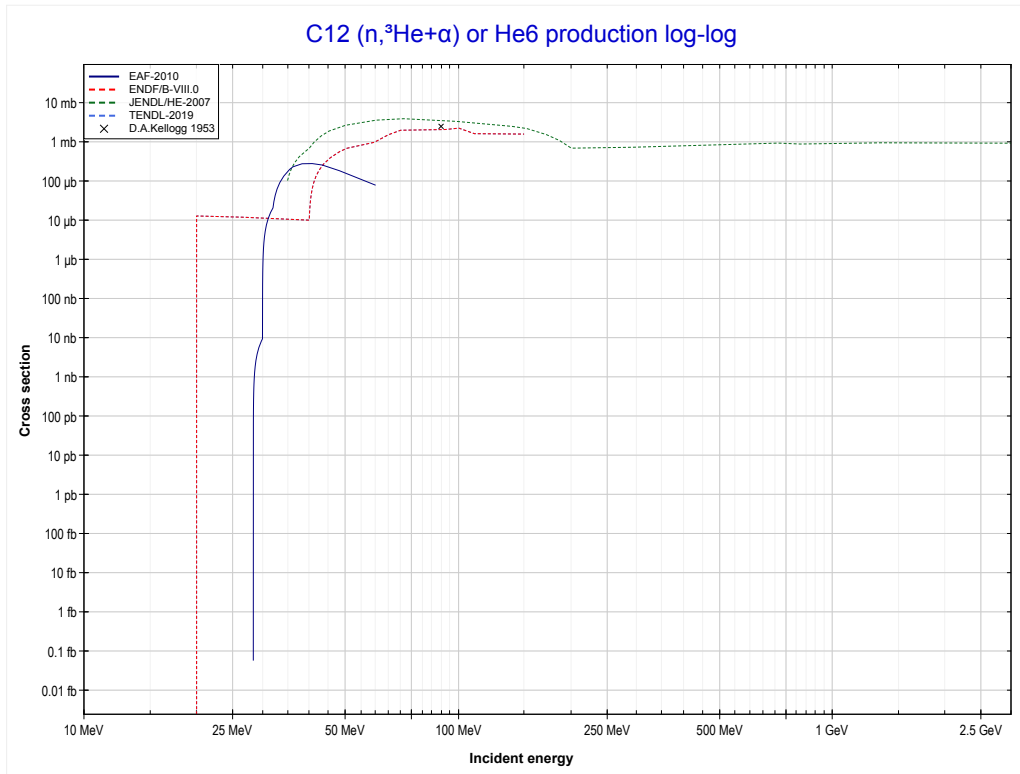
| Reaction | Q-Value |
|-----------------|---------------|
| C12(n,p+He3)Li9 | -39103.77 keV |
| C12(n,2p+d)Li9 | -44597.25 keV |
| C12(n,n+3p)Li9 | -46821.81 keV |

| | | |
|---------------------------------|---|---------------------------------|
| | 6-C-12 | 23-V-51 >> |
| << MT191 (n,p+ ³ He) | MT192 (n,d+³He) or MT5 (Li8 production) | MT193 (n, ³ He+α) >> |



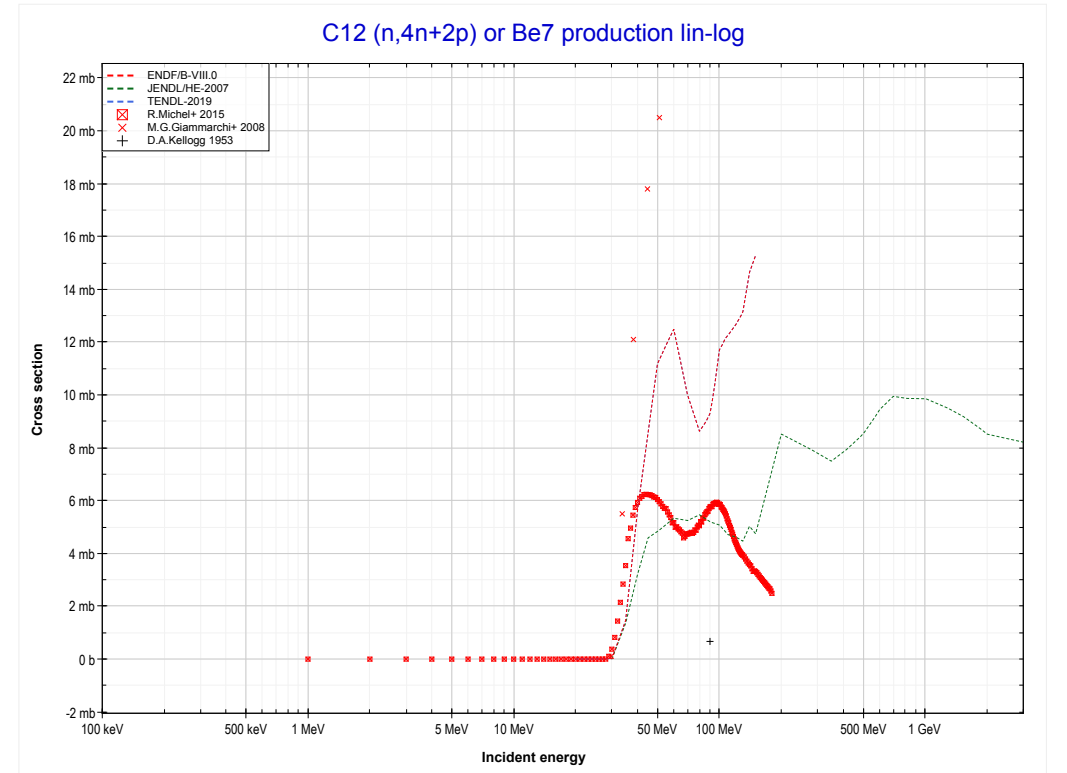
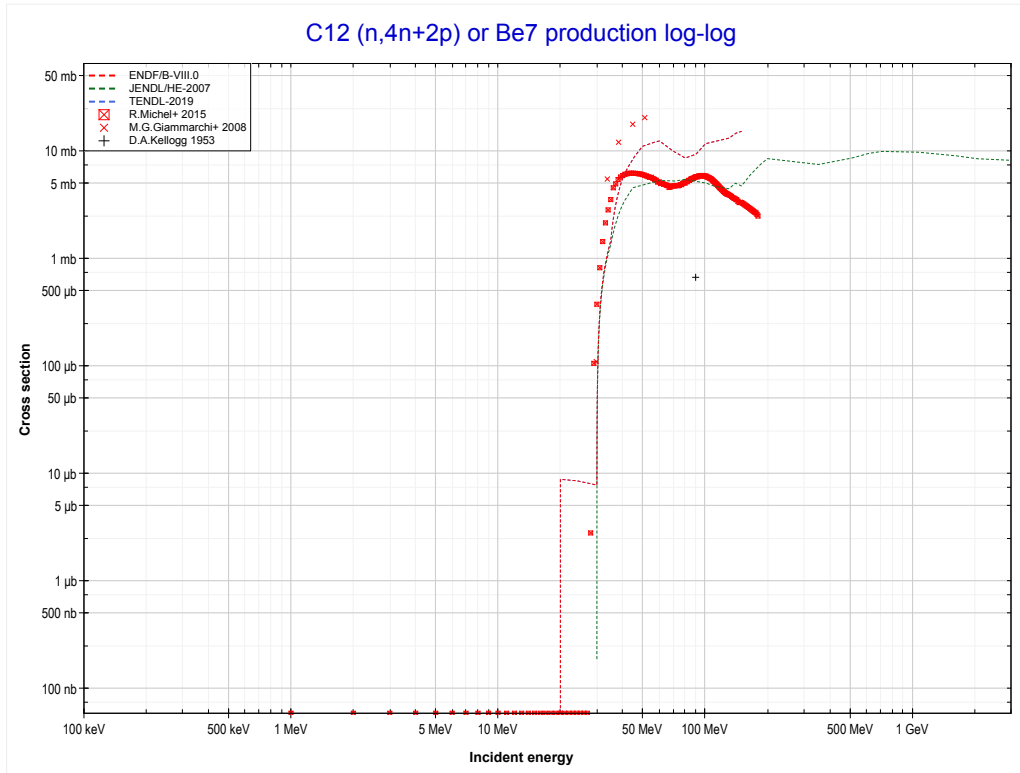
| Reaction | Q-Value |
|-------------------|---------------|
| C12(n,p+α)Li8 | -22588.37 keV |
| C12(n,d+He3)Li8 | -40941.42 keV |
| C12(n,2p+t)Li8 | -42402.23 keV |
| C12(n,n+p+He3)Li8 | -43165.99 keV |
| C12(n,p+2d)Li8 | -46434.90 keV |
| C12(n,n+2p+d)Li8 | -48659.46 keV |
| C12(n,2n+3p)Li8 | -50884.03 keV |

| | | |
|---------------------------------|---|--------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT192 (n,d+ ³ He) | MT193 (n,³He+α) or MT5 (He6 production) | MT194 (n,4n+2p) >> |



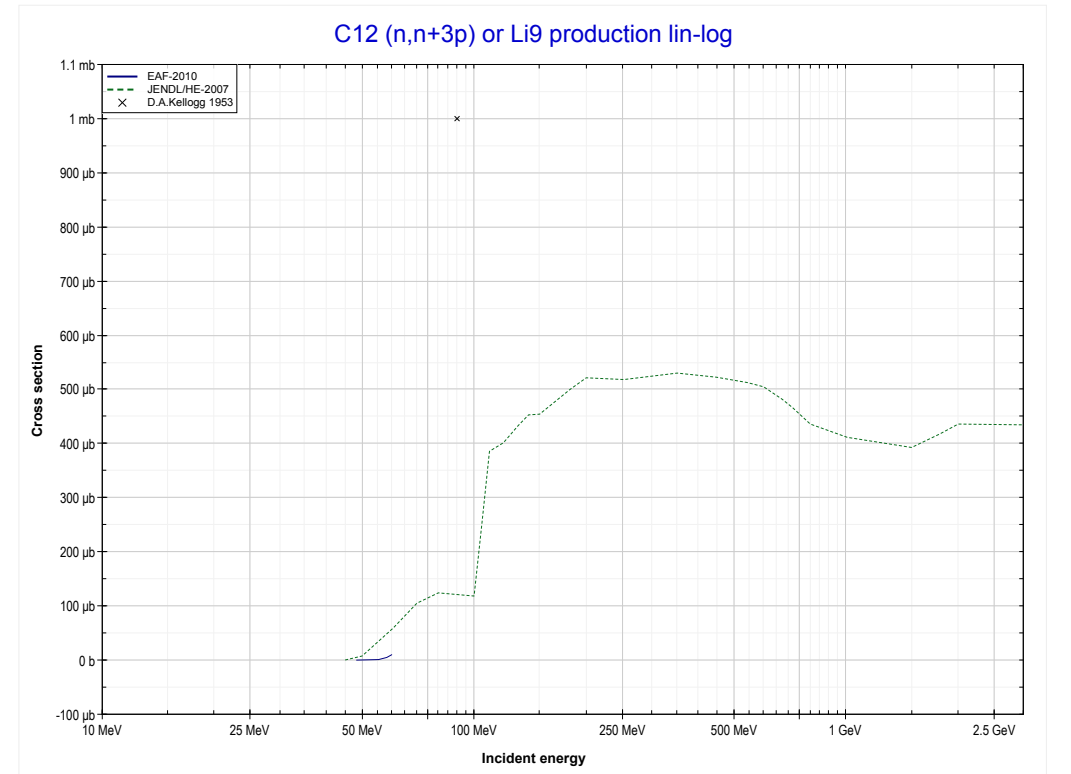
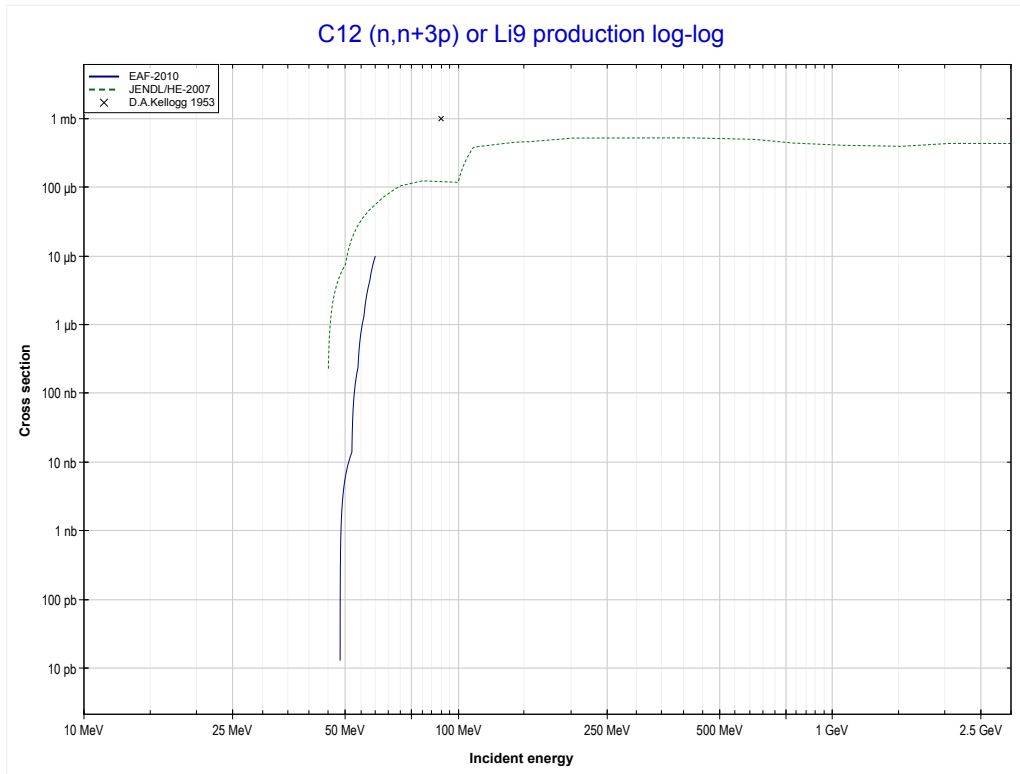
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|---------------------|---------------|
| C12(n,He3+α)He6 | -26876.92 keV | C12(n,n+3p+t)He6 | -54408.82 keV |
| C12(n,p+d+α)He6 | -32370.39 keV | C12(n,2n+2p+He3)He6 | -55172.58 keV |
| C12(n,n+2p+α)He6 | -34594.96 keV | C12(n,p+3d)He6 | -56216.92 keV |
| C12(n,p+t+He3)He6 | -46690.78 keV | C12(n,n+2p+2d)He6 | -58441.48 keV |
| C12(n,n+2He3)He6 | -47454.54 keV | C12(n,2n+3p+d)He6 | -60666.05 keV |
| C12(n,2d+He3)He6 | -50723.44 keV | C12(n,3n+4p)He6 | -62890.62 keV |
| C12(n,2p+d+t)He6 | -52184.26 keV | | |
| C12(n,n+p+d+He3)He6 | -52948.01 keV | | |

| | | |
|---------------------------------|--|-------------------|
| | 6-C-12 | 8-O-16 >> |
| << MT193 (n, ³ He+α) | MT194 (n,4n+2p) or MT5 (Be7 production) | MT198 (n,n+3p) >> |



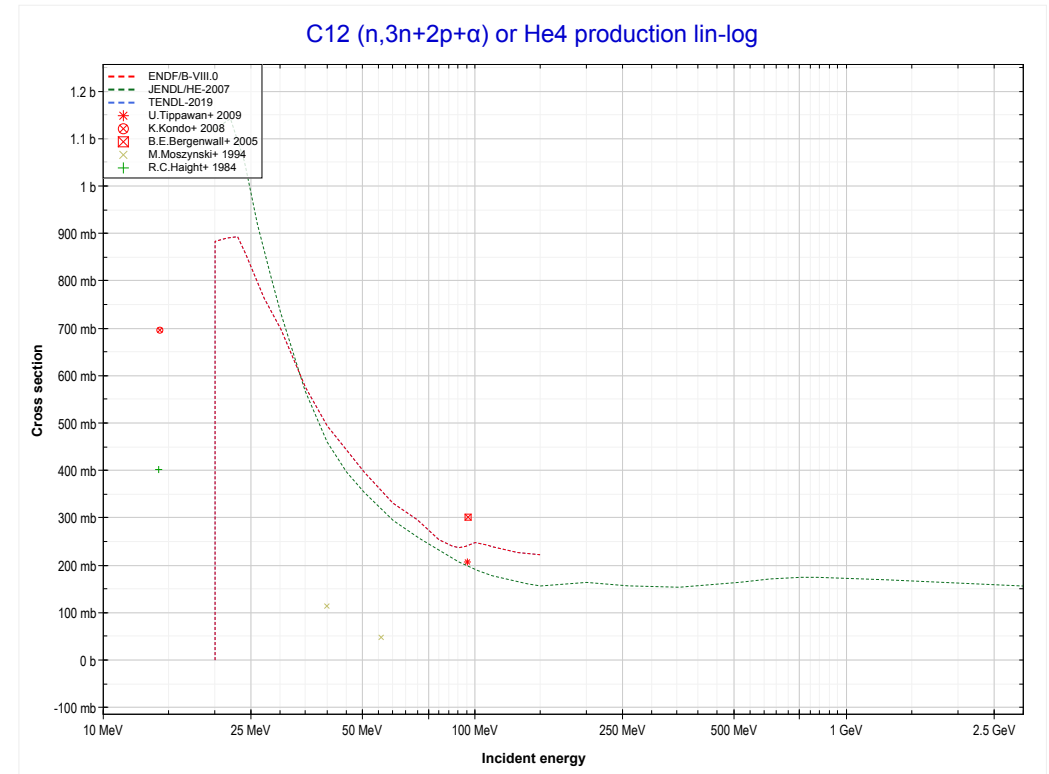
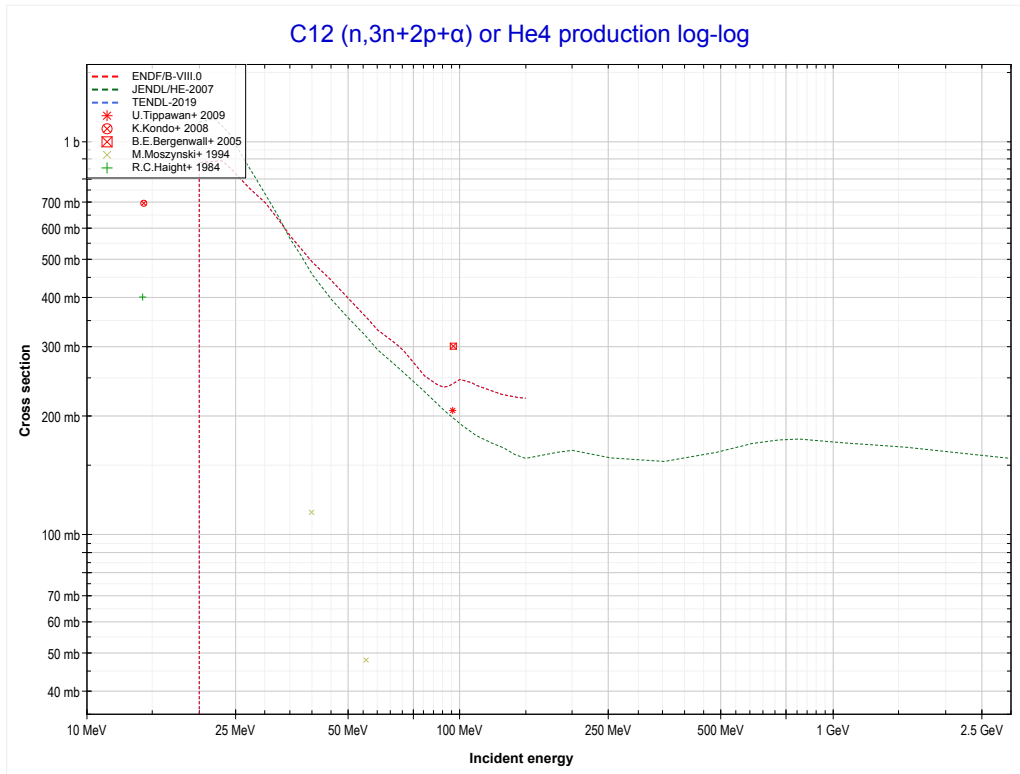
| Reaction | Q-Value |
|------------------|---------------|
| C12(n,2n+α)Be7 | -26265.23 keV |
| C12(n,2t)Be7 | -37597.30 keV |
| C12(n,n+d+t)Be7 | -43854.53 keV |
| C12(n,2n+p+t)Be7 | -46079.10 keV |
| C12(n,3n+He3)Be7 | -46842.85 keV |
| C12(n,2n+2d)Be7 | -50111.76 keV |
| C12(n,3n+p+d)Be7 | -52336.33 keV |
| C12(n,4n+2p)Be7 | -54560.89 keV |

| | | |
|--------------------|---|----------------------|
| | 6-C-12 | 15-P-31 >> |
| << MT194 (n,4n+2p) | MT198 (n,n+3p) or MT5 (Li9 production) | MT199 (n,3n+2p+α) >> |



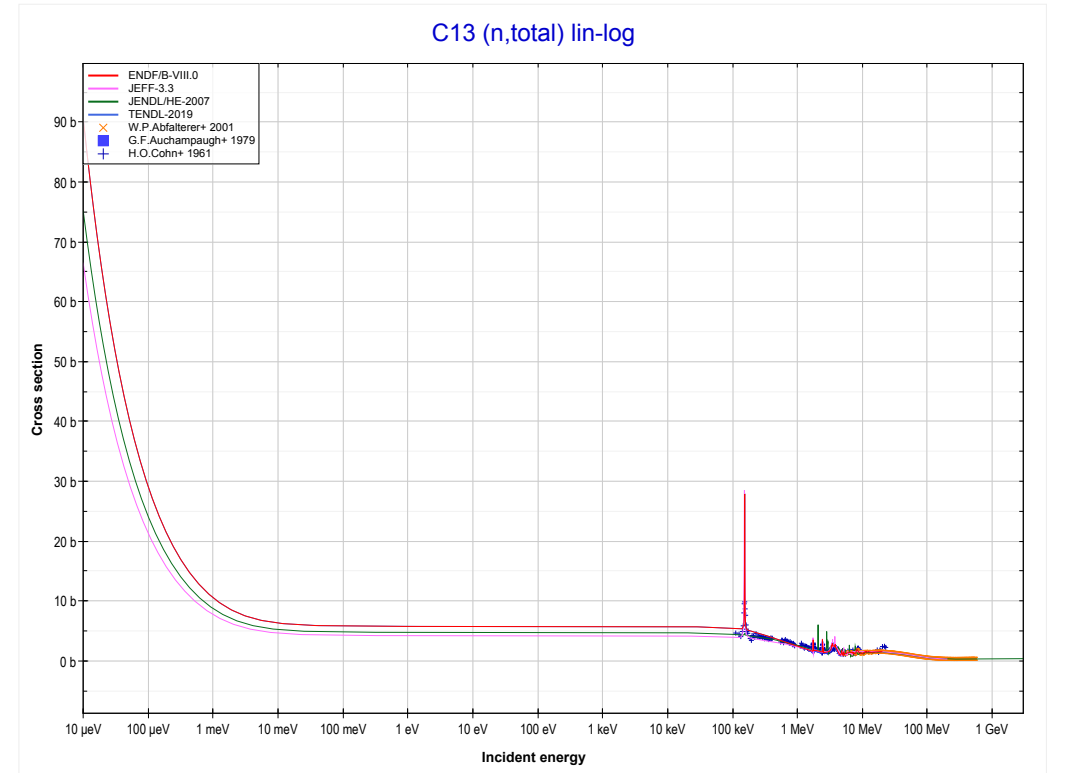
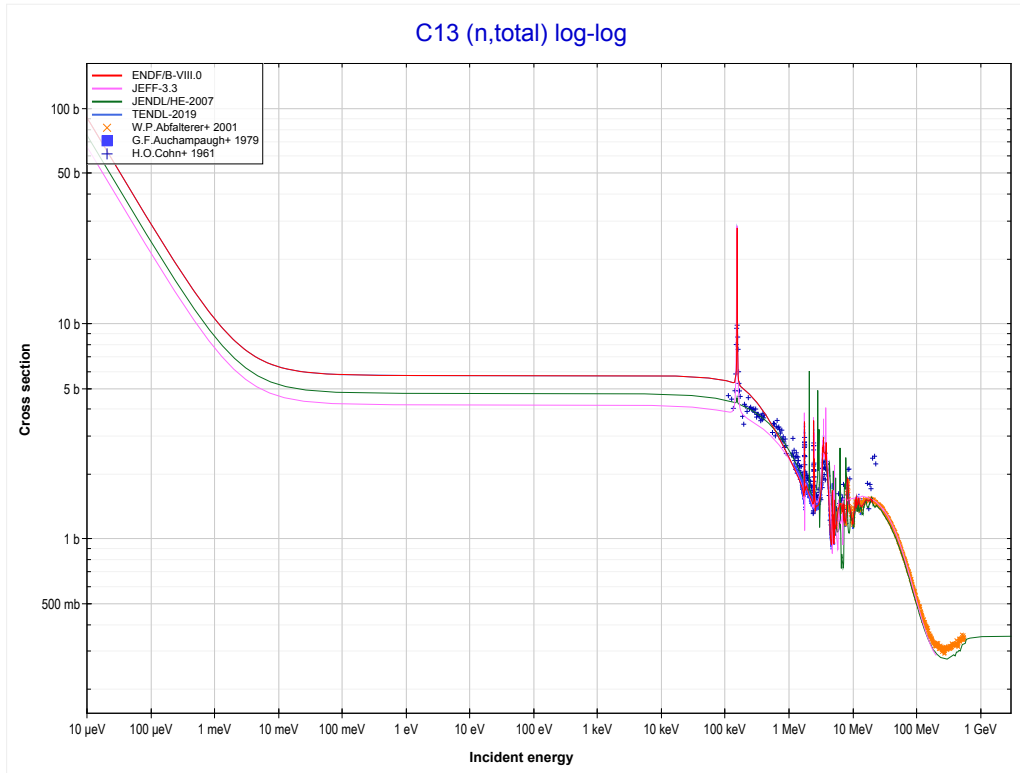
| Reaction | Q-Value |
|-----------------|---------------|
| C12(n,p+He3)Li9 | -39103.77 keV |
| C12(n,2p+d)Li9 | -44597.25 keV |
| C12(n,n+3p)Li9 | -46821.81 keV |

| | | |
|-------------------|--|-------------------------|
| | 6-C-12 | |
| << MT198 (n,n+3p) | MT199 (n,3n+2p+α) or MT5 (He4 production) | 6-C-13 MT1 (n,total) >> |



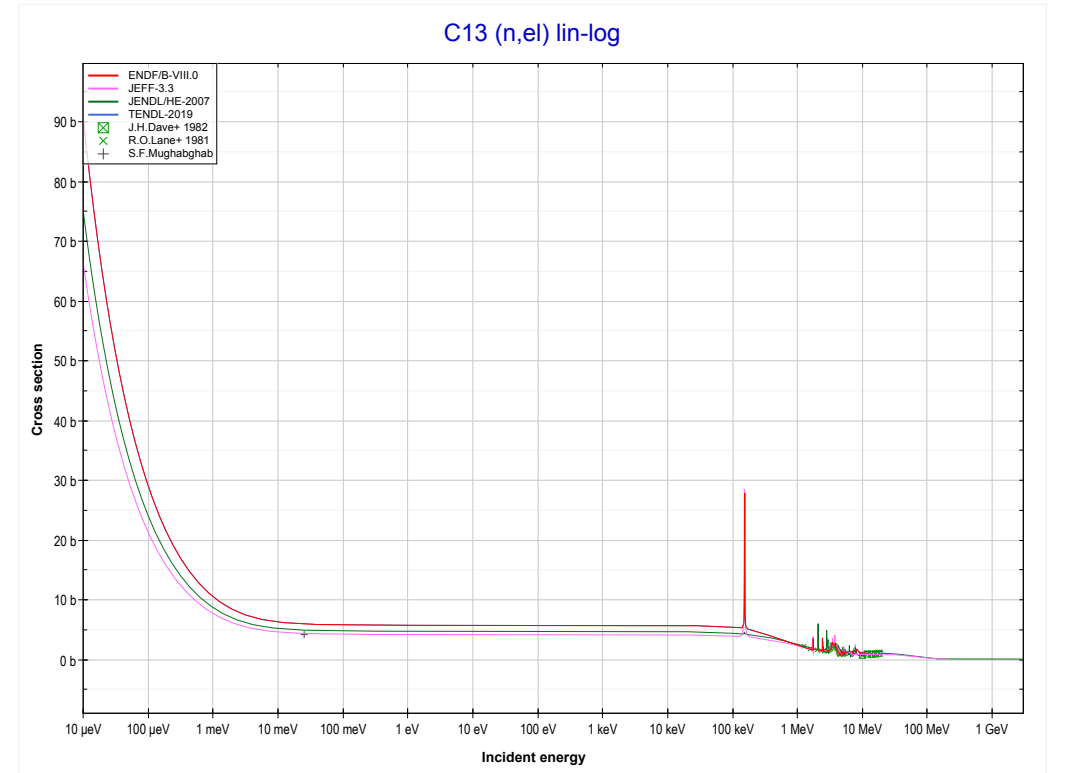
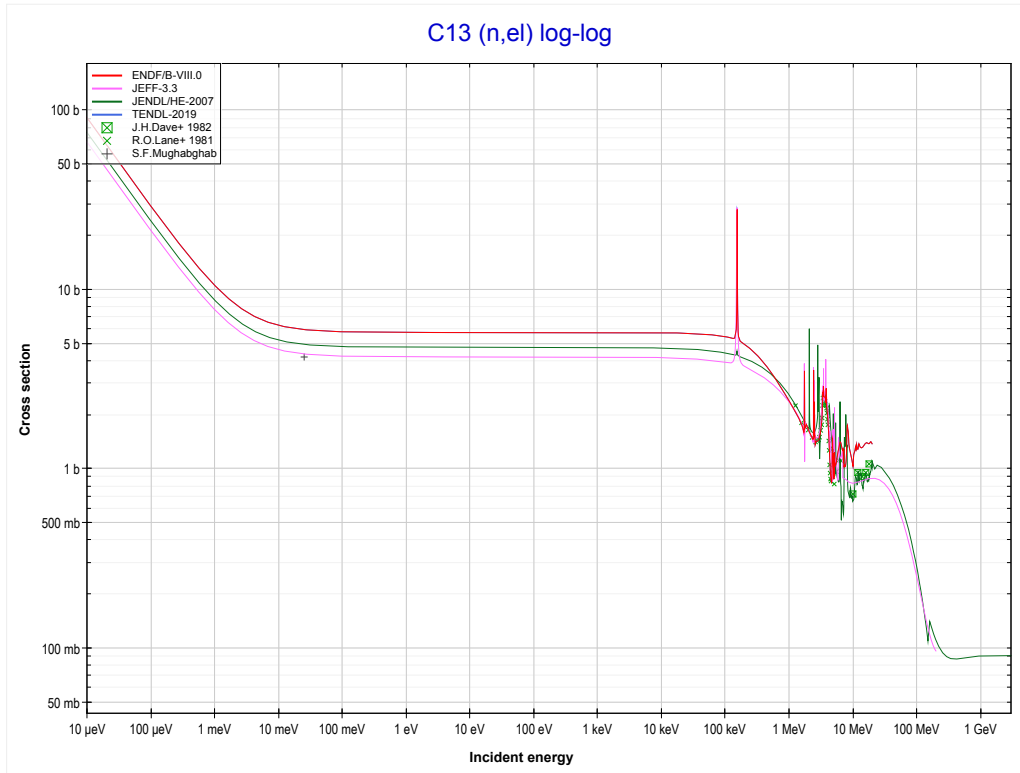
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|----------------------|---------------|
| C12(n,n+2α)He4 | -7274.75 keV | C12(n,p+d+2t)He4 | -44677.91 keV |
| C12(n,d+t+α)He4 | -24864.05 keV | C12(n,n+d+t+He3)He4 | -45441.67 keV |
| C12(n,n+p+t+α)He4 | -27088.61 keV | C12(n,n+2p+2t)He4 | -46902.48 keV |
| C12(n,2n+He3+α)He4 | -27852.37 keV | C12(n,2n+p+t+He3)He4 | -47666.23 keV |
| C12(n,n+2d+α)He4 | -31121.27 keV | C12(n,3n+2He3)He4 | -48429.99 keV |
| C12(n,2n+p+d+α)He4 | -33345.84 keV | C12(n,3d+t)He4 | -48710.57 keV |
| C12(n,3n+2p+α)He4 | -35570.41 keV | C12(n,n+p+2d+t)He4 | -50935.14 keV |
| C12(n,2t+He3)He4 | -39184.44 keV | C12(n,2n+2d+He3)He4 | -51698.89 keV |

| | | |
|-----------------------------|----------------------|--------------------|
| << 6-C-12 | 6-C-13 | 7-N-14 >> |
| << 6-C-12 MT199 (n,3n+2p+α) | MT1 (n,total) | MT2 (n,elastic) >> |



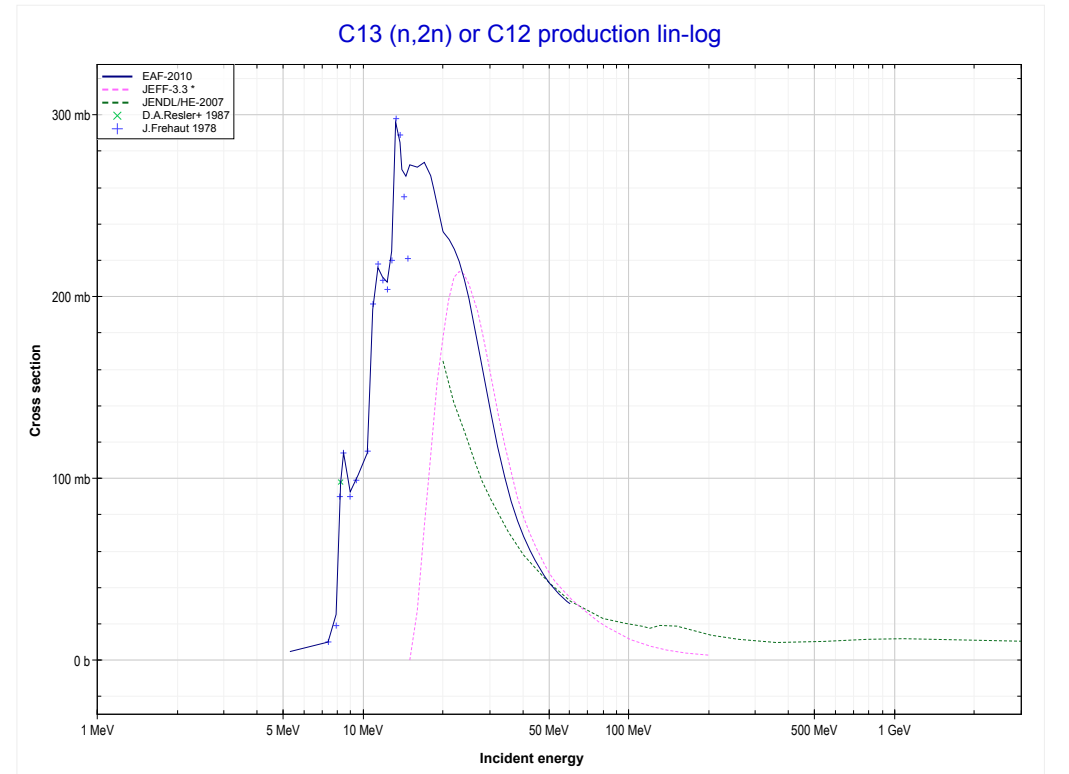
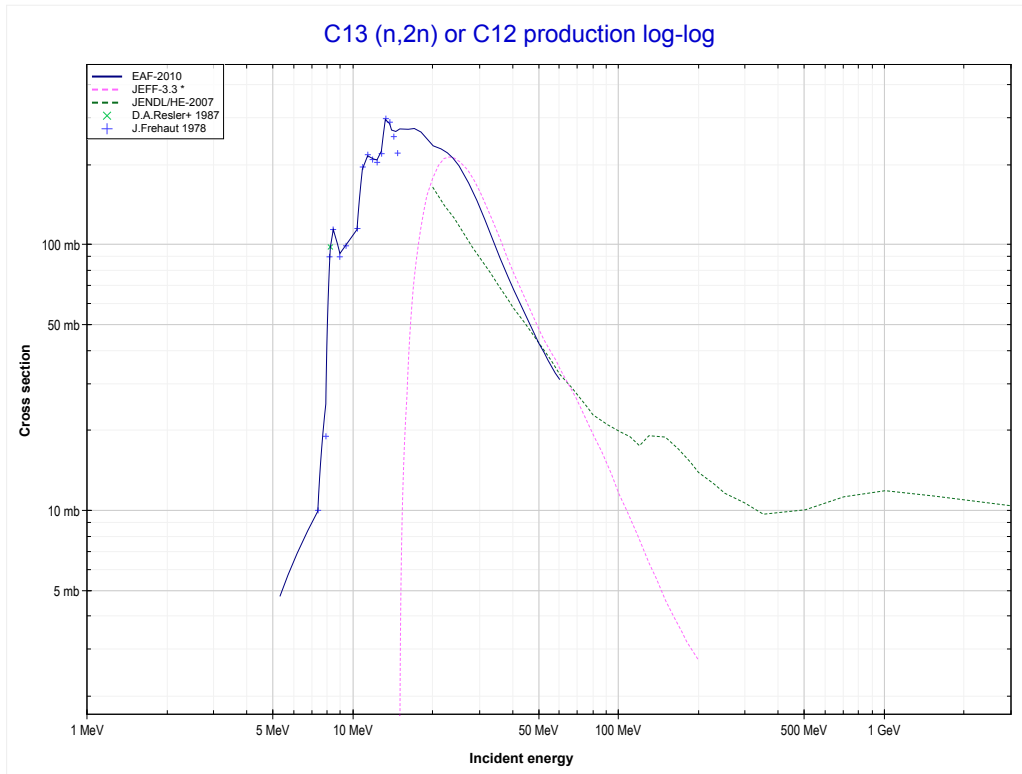
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.95594 b | 5.95594 b | 6.716 b | 1.12761 | 69.7834 b | 2.34716 b | 1.41919 b |
| JEFF-3.3 | 4.3568 b | 4.3568 b | 4.9127 b | 1.12759 | 50.8738 b | 2.23615 b | 1.57935 b |
| JENDL/HE-2007 | 4.92656 b | 4.92656 b | 5.555 b | 1.12757 | 57.5392 b | 2.38448 b | 1.30323 b |
| TENDL-2019 | 5.95594 b | 5.95594 b | 6.7162 b | 1.12765 | 69.7844 b | 2.34605 b | 1.41919 b |

| | | |
|------------------|------------------------|----------------|
| << 6-C-12 | 6-C-13 | 7-N-14 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



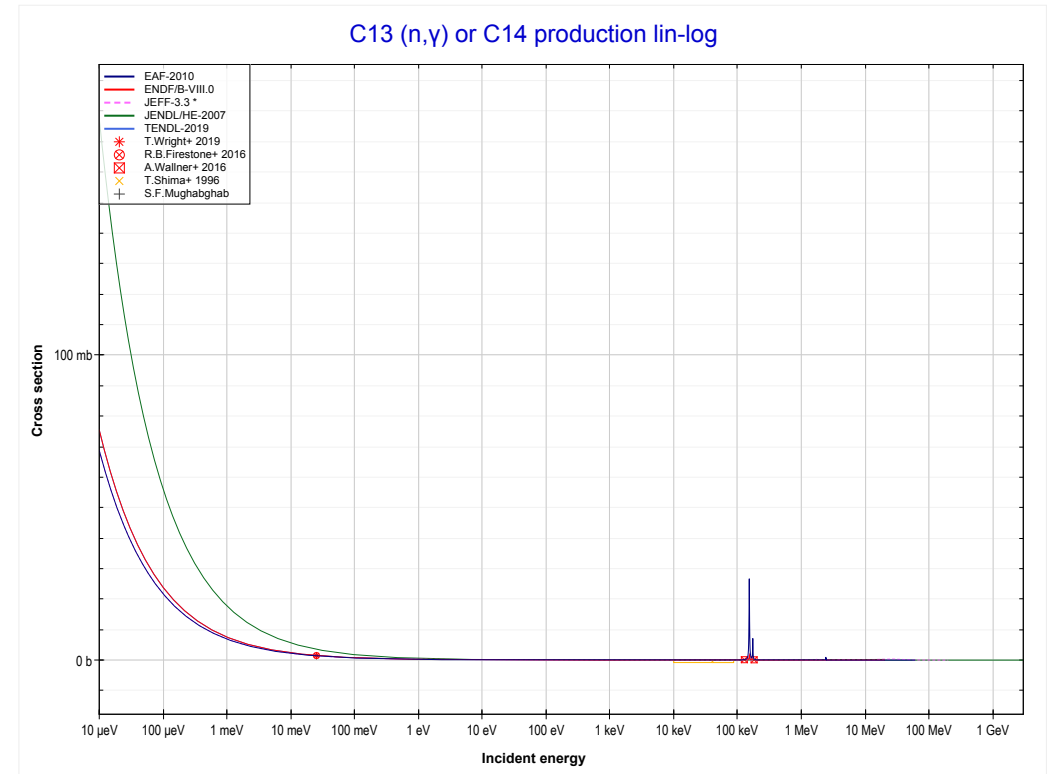
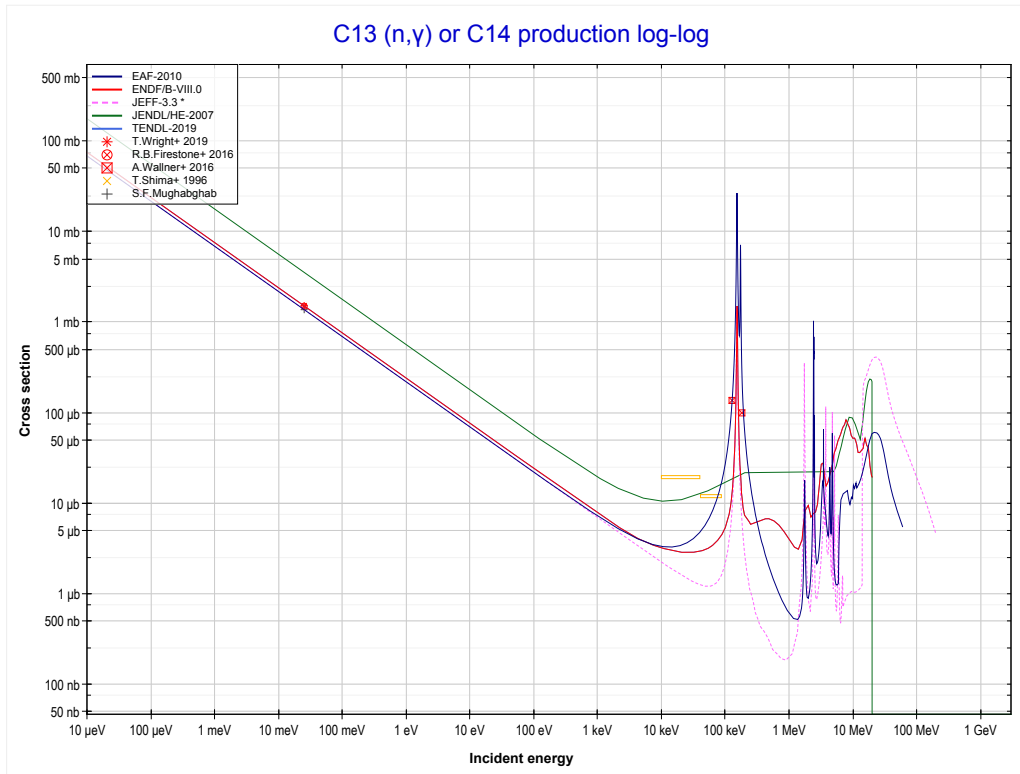
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.95444 b | 5.95444 b | 6.7145 b | 1.12765 | 69.7827 b | 2.33621 b | 1.30887 b |
| JEFF-3.3 | 4.35543 b | 4.35543 b | 4.9113 b | 1.12763 | 50.8732 b | 2.22389 b | 0.855369 b |
| JENDL/HE-2007 | 4.92301 b | 4.92301 b | 5.5515 b | 1.12766 | 57.5325 b | 2.37038 b | 0.803426 b |
| TENDL-2019 | 5.95444 b | 5.95444 b | 6.7147 b | 1.12768 | 69.7824 b | 2.33509 b | 1.30887 b |

| | | |
|--------------------|--|-------------------------|
| << 6-C-12 | 6-C-13 | 7-N-14 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (C12 production) | MT102 (n, γ) >> |



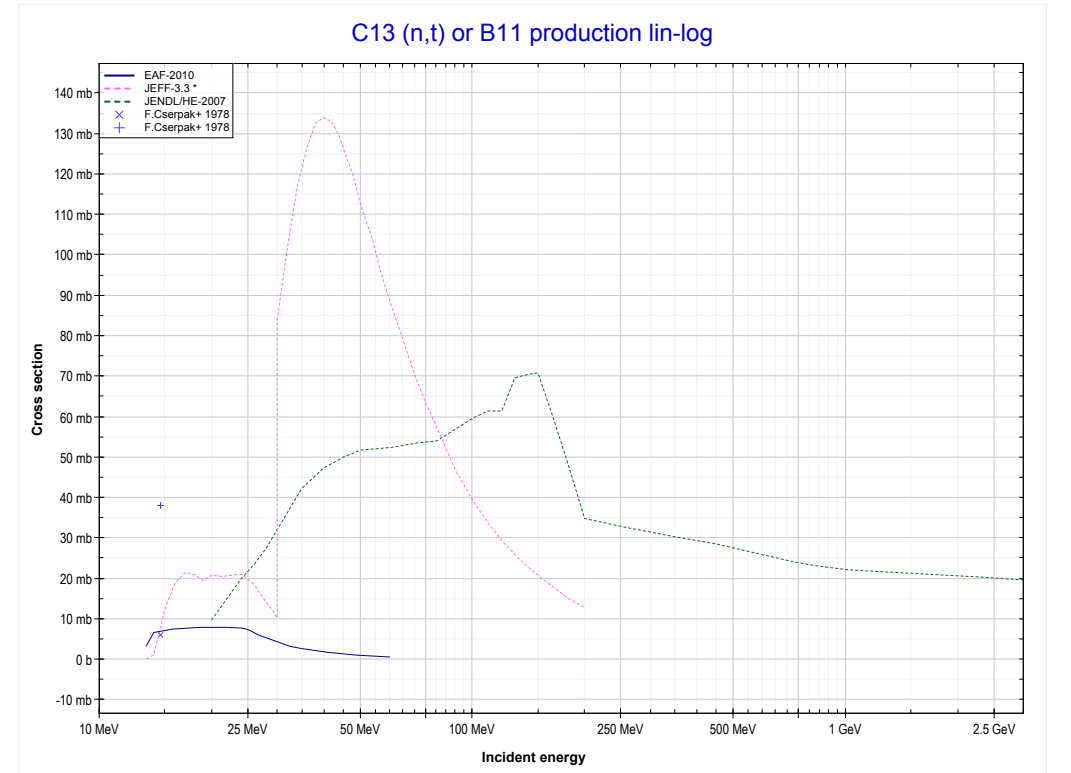
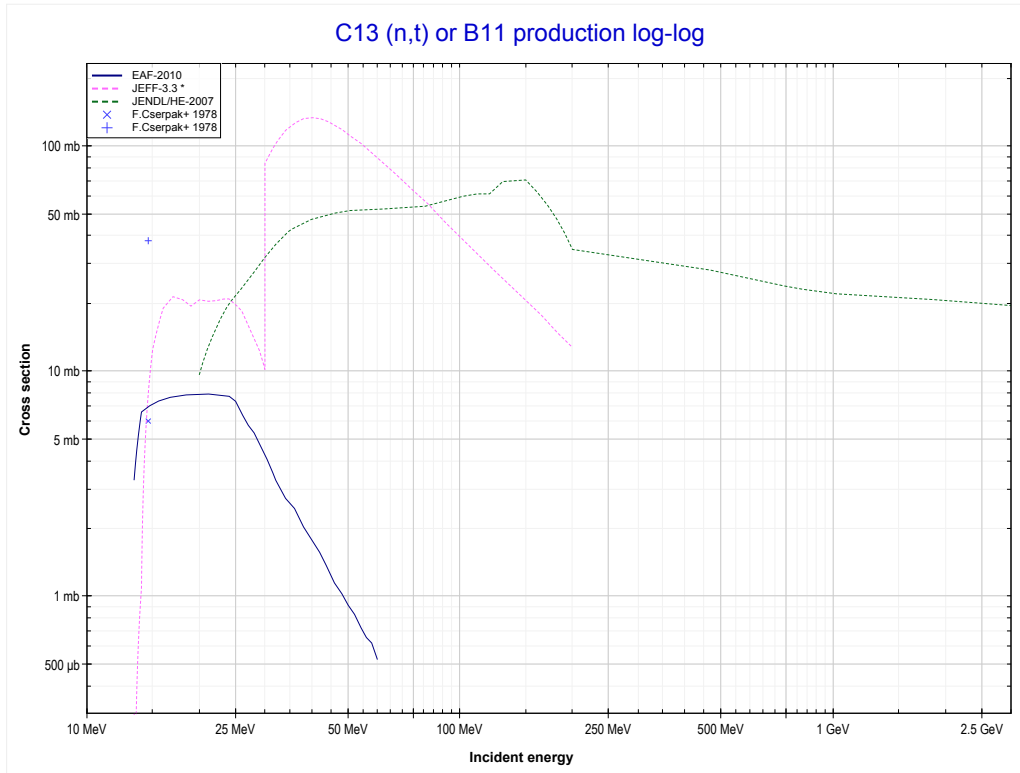
| Reaction | Q-Value |
|--------------|--------------|
| C13(n,2n)C12 | -4946.31 keV |

| | | |
|----------------|--|----------------|
| << 6-C-12 | 6-C-13 | 6-C-14 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (C14 production) | MT105 (n,t) >> |



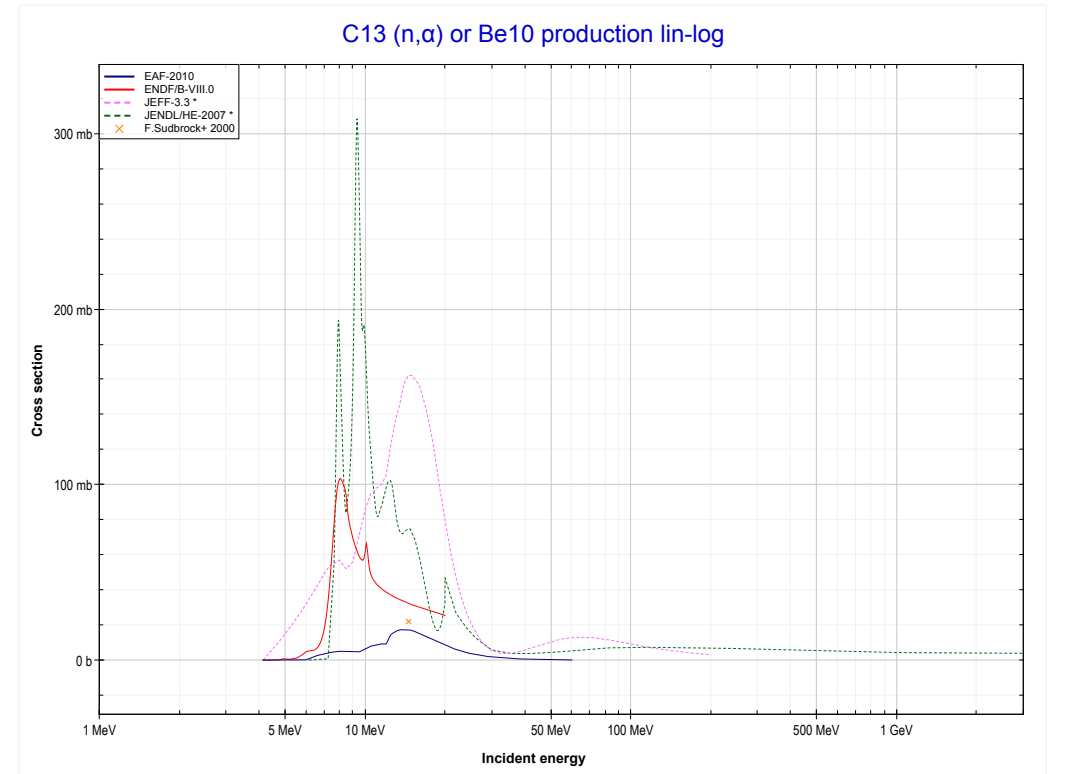
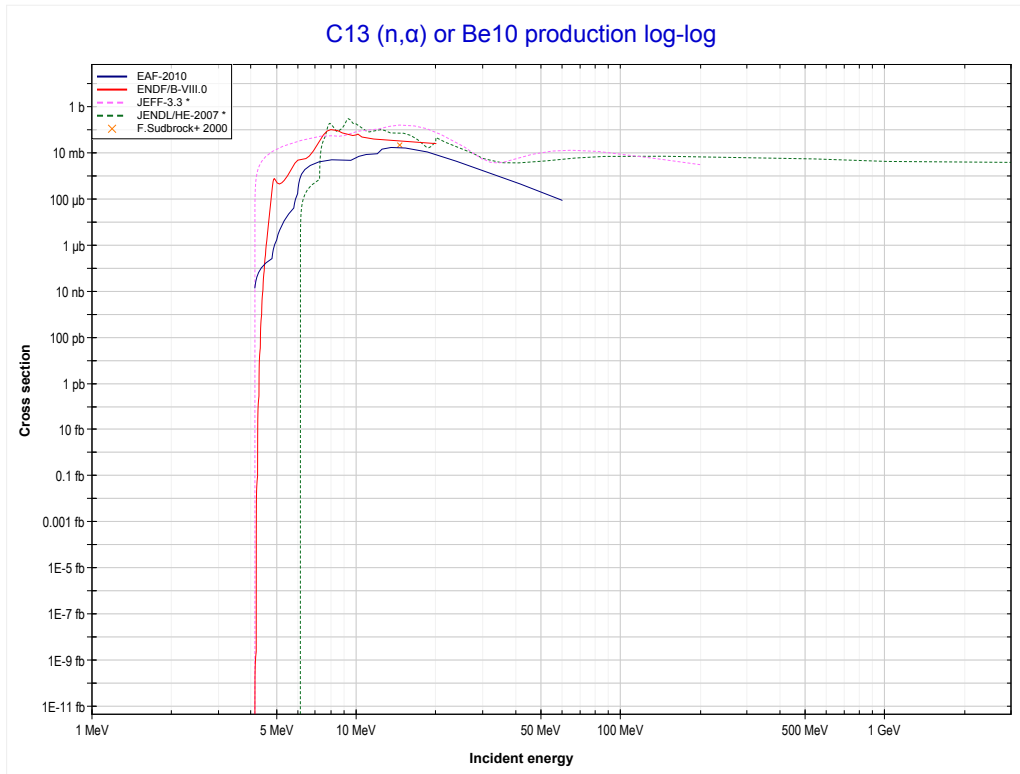
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.00136999 b | 0.00136895 b | 0.0013676 b | 0.99902 | 6.27779E-4 b | 5.33684E-5 b | 2.0869E-5 b |
| ENDF/B-VIII.0 | 0.00150089 b | 0.00150089 b | 0.0015014 b | 1.00035 | 6.81969E-4 b | 1.36284E-5 b | 3.89441E-5 b |
| JEFF-3.3 | 0.00136775 b | 0.00136775 b | 0.0013682 b | 1.00034 | 6.15919E-4 b | 7.70638E-6 b | 1.25533E-6 b |
| JENDL/HE-2007 | 0.00353 b | 0.00353 b | 0.0035302 b | 1.00006 | 0.00161581 b | 2.30638E-5 b | 7.04604E-5 b |
| TENDL-2019 | 0.00150027 b | 0.00150027 b | 0.0015005 b | 1.00013 | 6.81008E-4 b | 1.36282E-5 b | 3.89441E-5 b |

| | | |
|-------------------------|--|-------------------------|
| << 6-C-12 | 6-C-13 | 7-N-14 >> |
| << MT102 (n, γ) | MT105 (n,t) or MT5 (B11 production) | MT107 (n, α) >> |



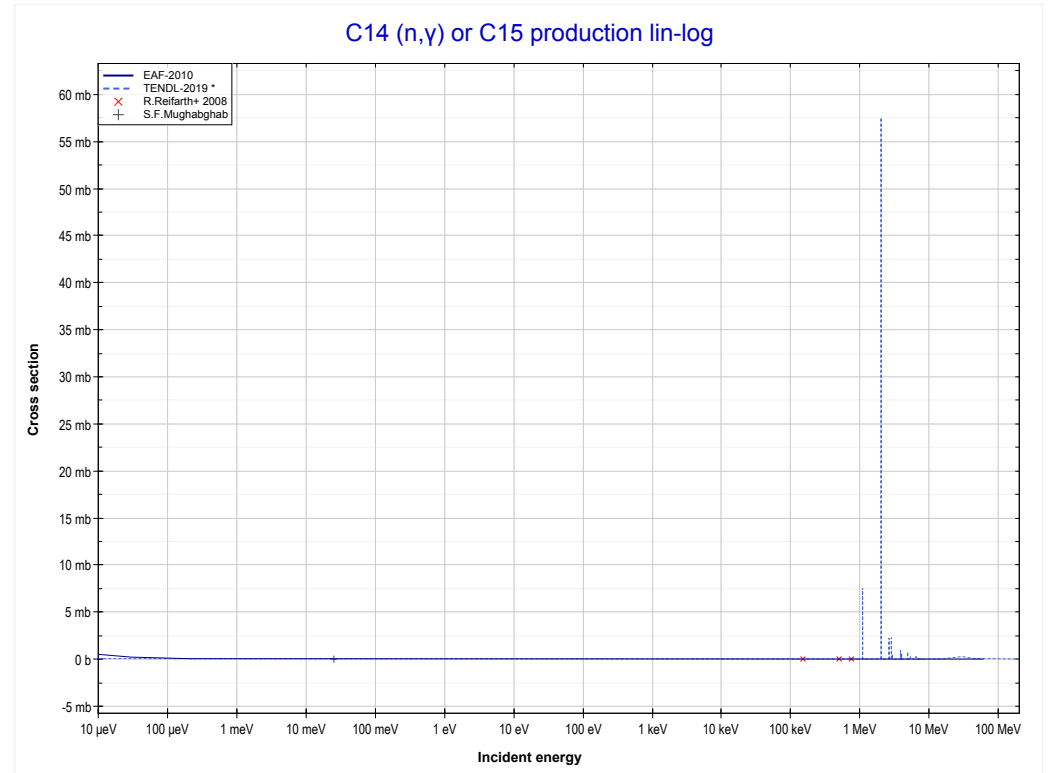
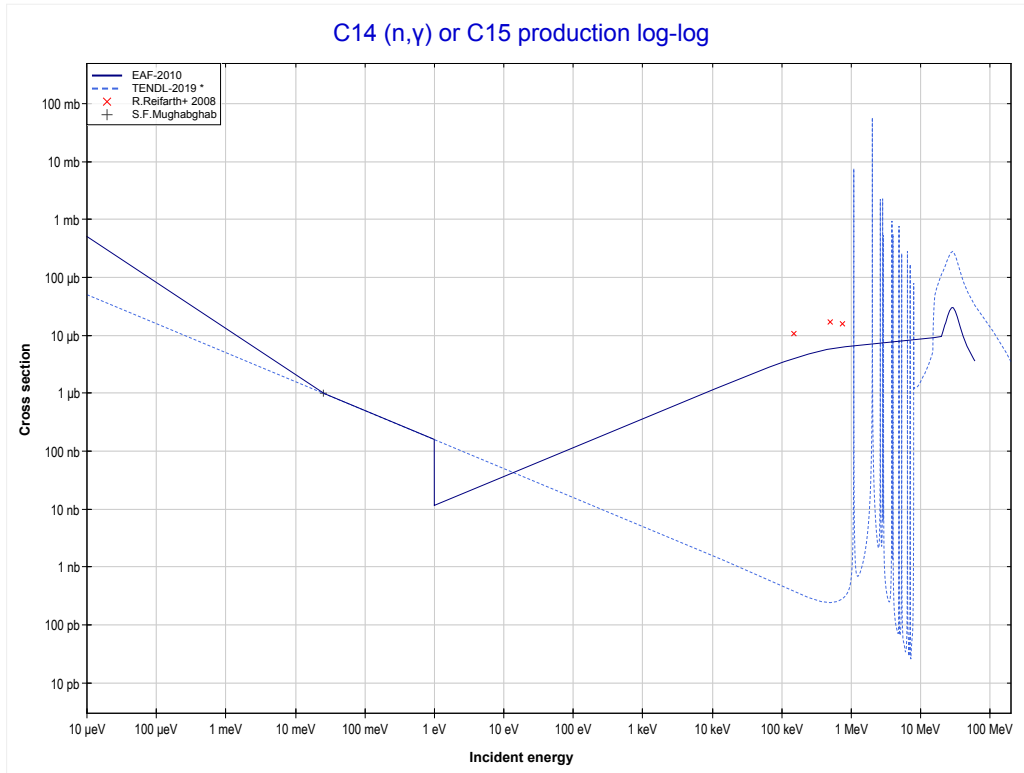
| Reaction | Q-Value |
|----------------|---------------|
| C13(n,t)B11 | -12421.19 keV |
| C13(n,n+d)B11 | -18678.42 keV |
| C13(n,2n+p)B11 | -20902.99 keV |

| | | |
|----------------|---|--------------------------------|
| << 6-C-12 | 6-C-13 | 7-N-14 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Be10 production) | 6-C-14 MT102 (n, γ) >> |



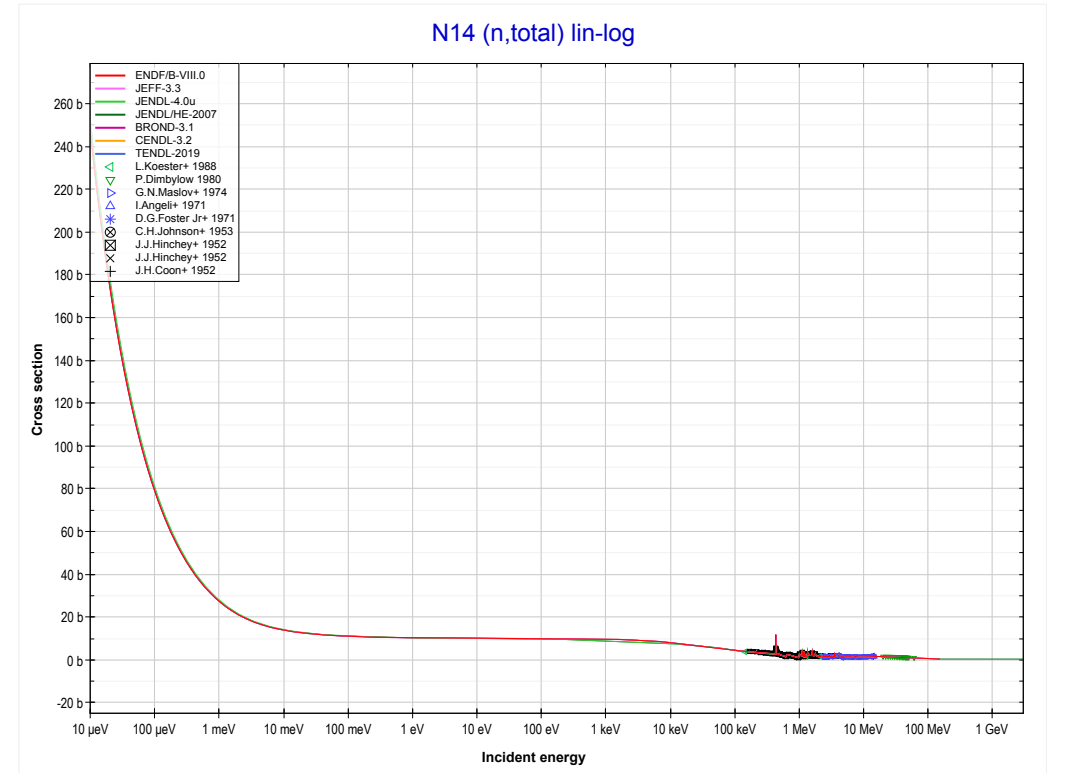
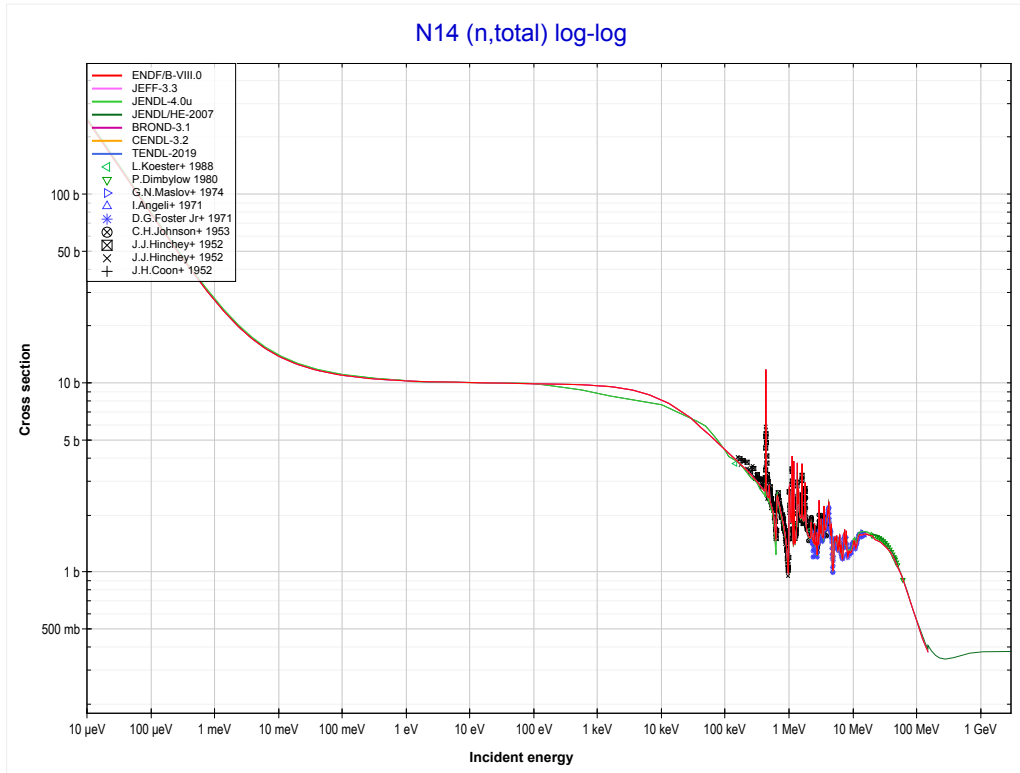
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13298E-4 b | 0.0169754 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00115344 b | 0.0333653 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00253349 b | 0.157292 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00153059 b | 0.0726547 b |

| | | |
|--------------------------------|--|-------------------------|
| << 6-C-13 | 6-C-14 | 7-N-14 >> |
| << 6-C-13 MT107 (n, α) | MT102 (n,γ) or MT5 (C15 production) | 7-N-14 MT1 (n,total) >> |



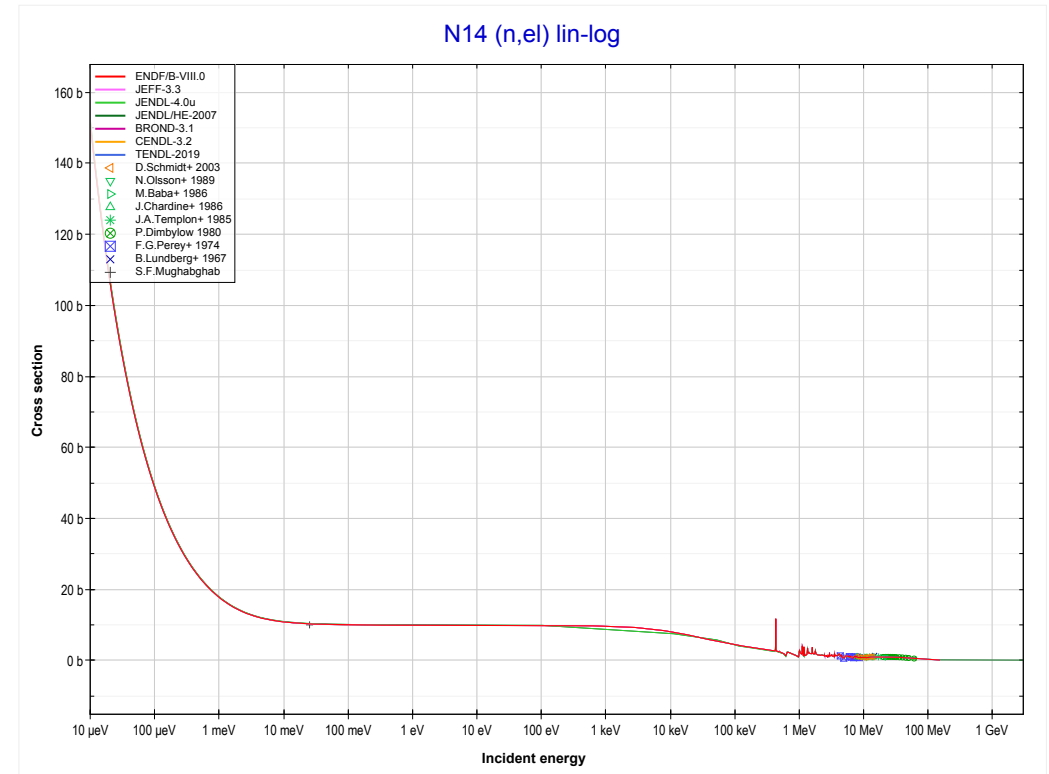
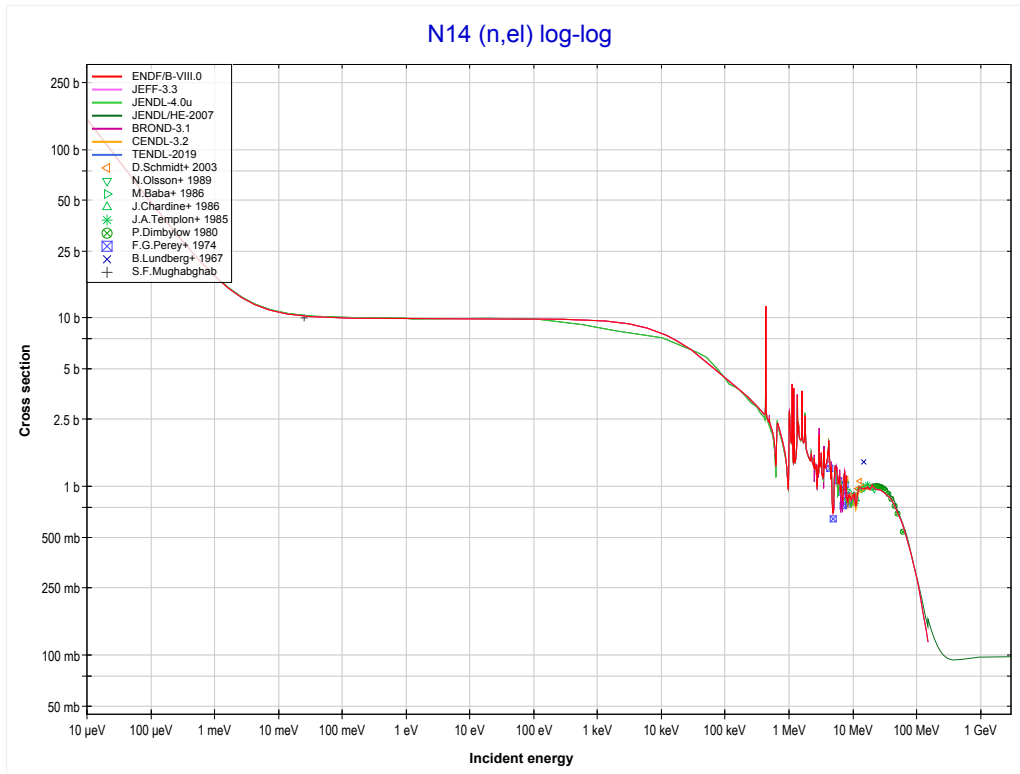
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-6 b | 9.9925E-7 b | 1.1352E-6 b | 1.13604 | 7.20092E-6 b | 6.6786E-6 b | 8.94804E-6 b |
| TENDL-2019 | 9.99906E-7 b | 9.99906E-7 b | 9.9997E-7 b | 1.00006 | 4.49011E-7 b | 5.17445E-6 b | 3.94811E-6 b |

| | | |
|-----------------------|----------------------|--------------------|
| << 6-C-13 | 7-N-14 | 7-N-15 >> |
| << 6-C-14 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



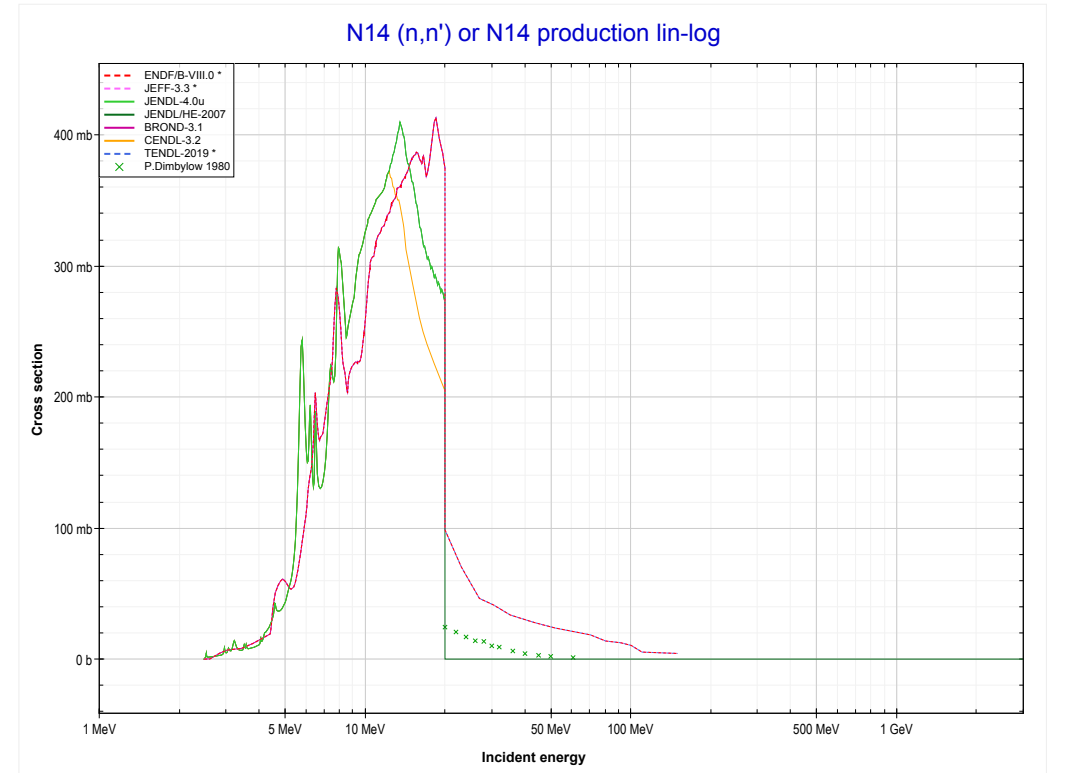
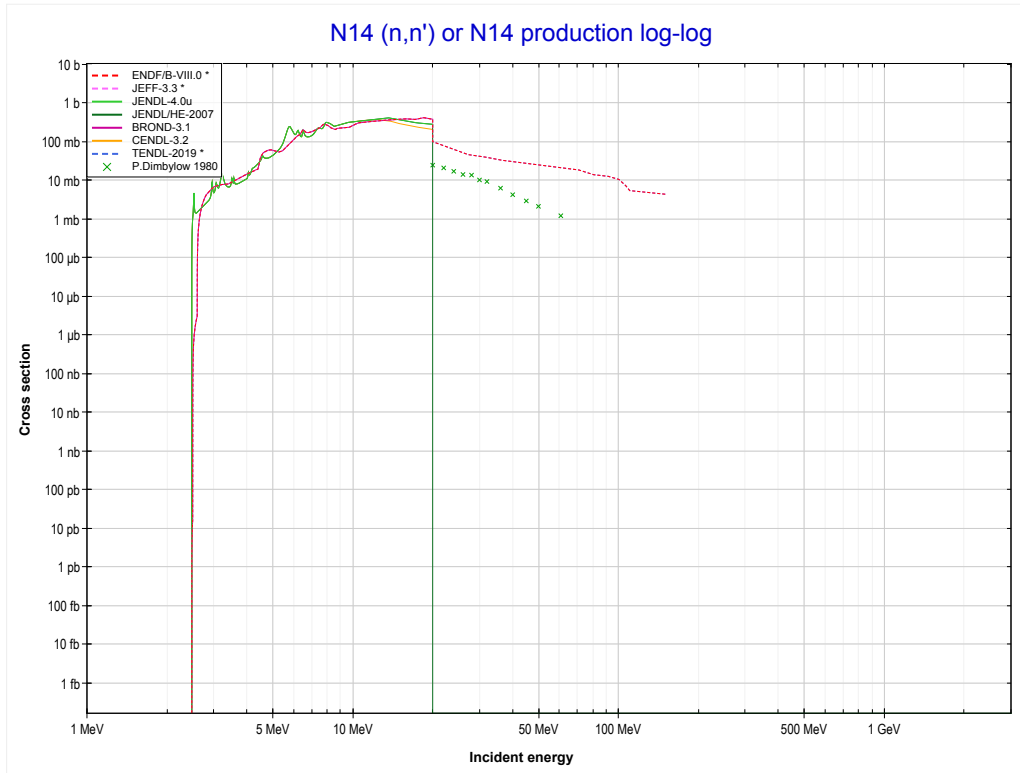
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.171 b | 12.171 b | 13.483 b | 1.10782 | 111.455 b | 2.00549 b | 1.56902 b |
| JEFF-3.3 | 12.171 b | 12.171 b | 13.483 b | 1.10782 | 111.455 b | 2.00549 b | 1.56902 b |
| JENDL-4.0u | 12.3659 b | 12.3659 b | 13.69 b | 1.10707 | 108.522 b | 1.97805 b | 1.6286 b |
| JENDL/HE-2007 | 12.2731 b | 12.2731 b | 13.596 b | 1.10782 | 108.521 b | 1.97833 b | 1.6286 b |
| BROND-3.1 | 12.186 b | 12.186 b | 13.499 b | 1.10775 | 111.508 b | 2.00563 b | 1.56903 b |
| CENDL-3.2 | 12.2061 b | 12.2061 b | 13.515 b | 1.10722 | 111.574 b | 2.00586 b | 1.56902 b |
| TENDL-2019 | 12.1713 b | 12.1713 b | 13.483 b | 1.10779 | 111.516 b | 2.00586 b | 1.56902 b |

| | | |
|------------------|------------------------|---------------|
| << 6-C-13 | 7-N-14 | 7-N-15 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



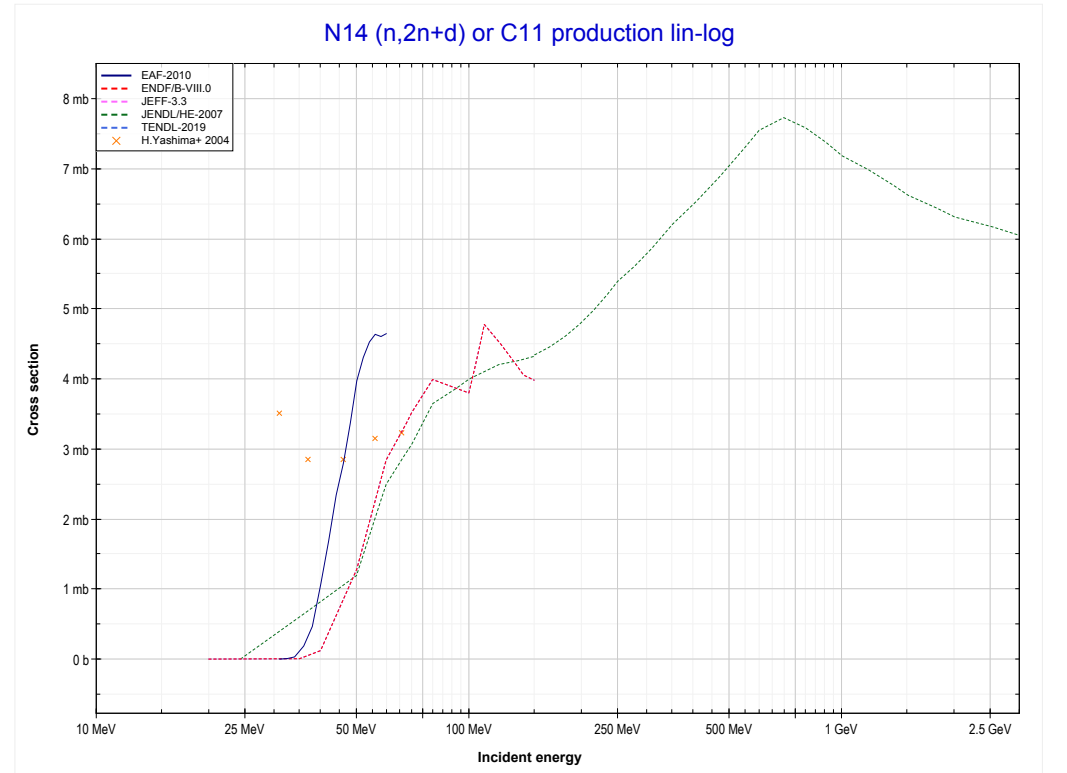
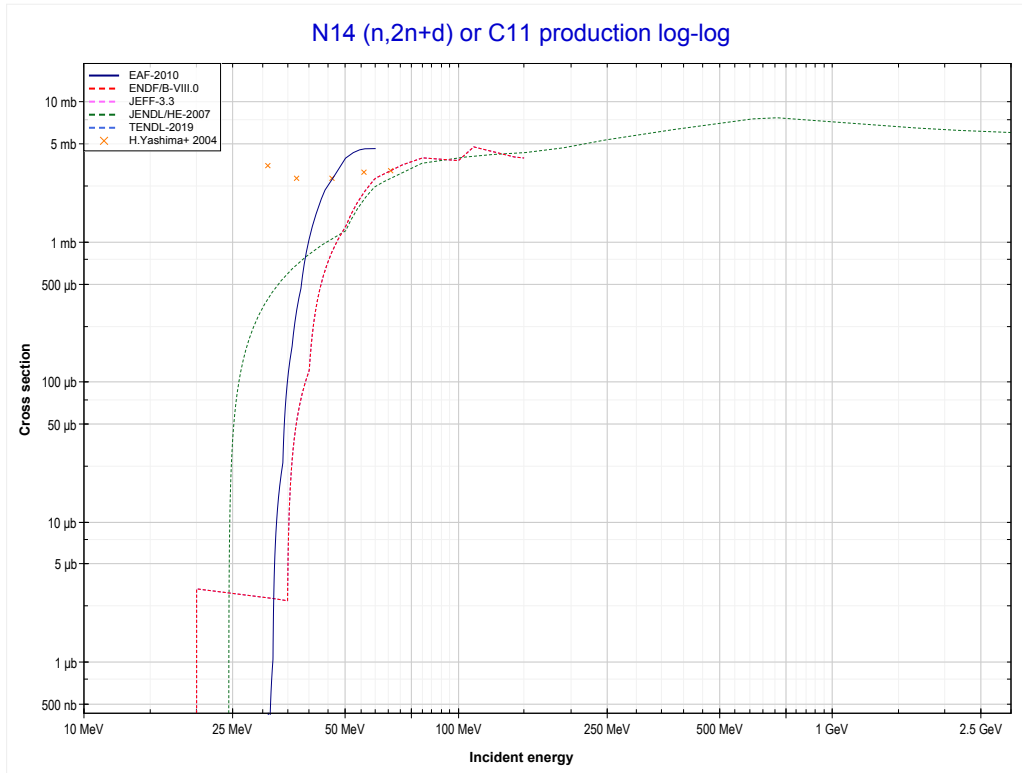
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.2684 b | 10.2684 b | 11.58 b | 1.12773 | 110.6 b | 1.86697 b | 0.969674 b |
| JEFF-3.3 | 10.2684 b | 10.2684 b | 11.58 b | 1.12773 | 110.6 b | 1.86697 b | 0.969674 b |
| JENDL-4.0u | 10.3602 b | 10.3602 b | 11.683 b | 1.12773 | 107.62 b | 1.84756 b | 0.983995 b |
| JENDL/HE-2007 | 10.3602 b | 10.3602 b | 11.684 b | 1.12777 | 107.637 b | 1.84764 b | 0.983995 b |
| BROND-3.1 | 10.2773 b | 10.2773 b | 11.59 b | 1.1277 | 110.649 b | 1.87626 b | 0.969664 b |
| CENDL-3.2 | 10.2684 b | 10.2684 b | 11.58 b | 1.12777 | 110.65 b | 1.8662 b | 0.936852 b |
| TENDL-2019 | 10.2684 b | 10.2684 b | 11.58 b | 1.12777 | 110.651 b | 1.86734 b | 0.969674 b |

| | | |
|--------------------|---|------------------|
| << 6-C-12 | 7-N-14 | 8-O-16 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (N14 production) | MT11 (n,2n+d) >> |



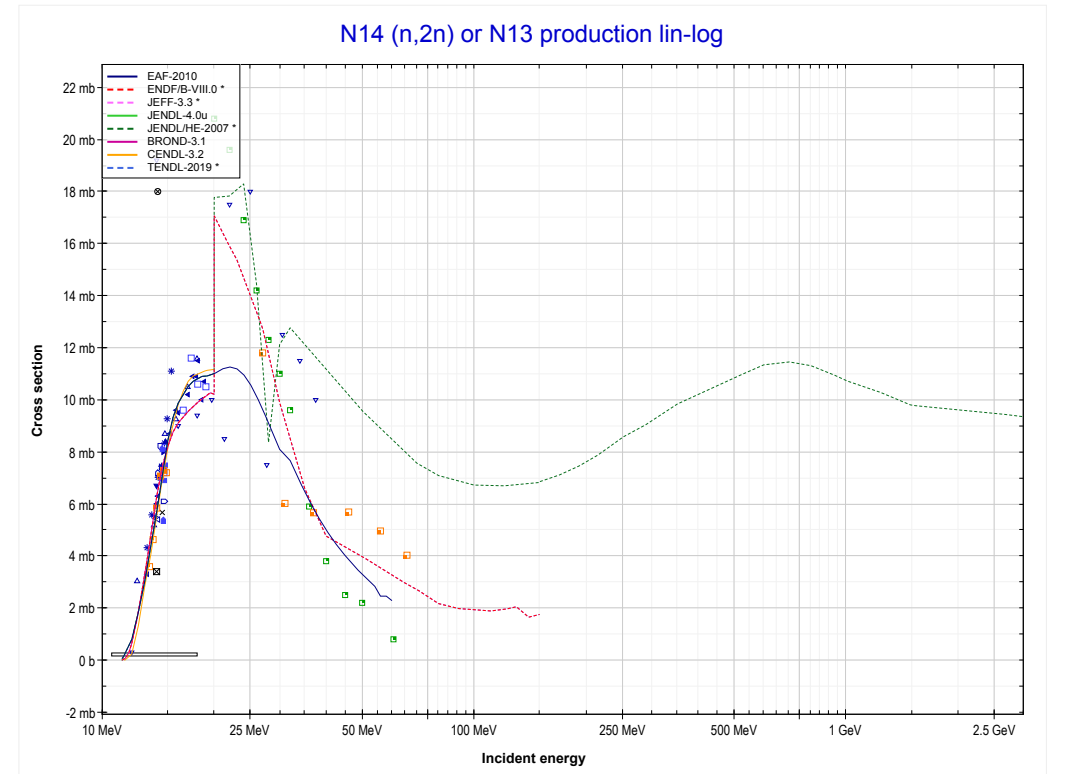
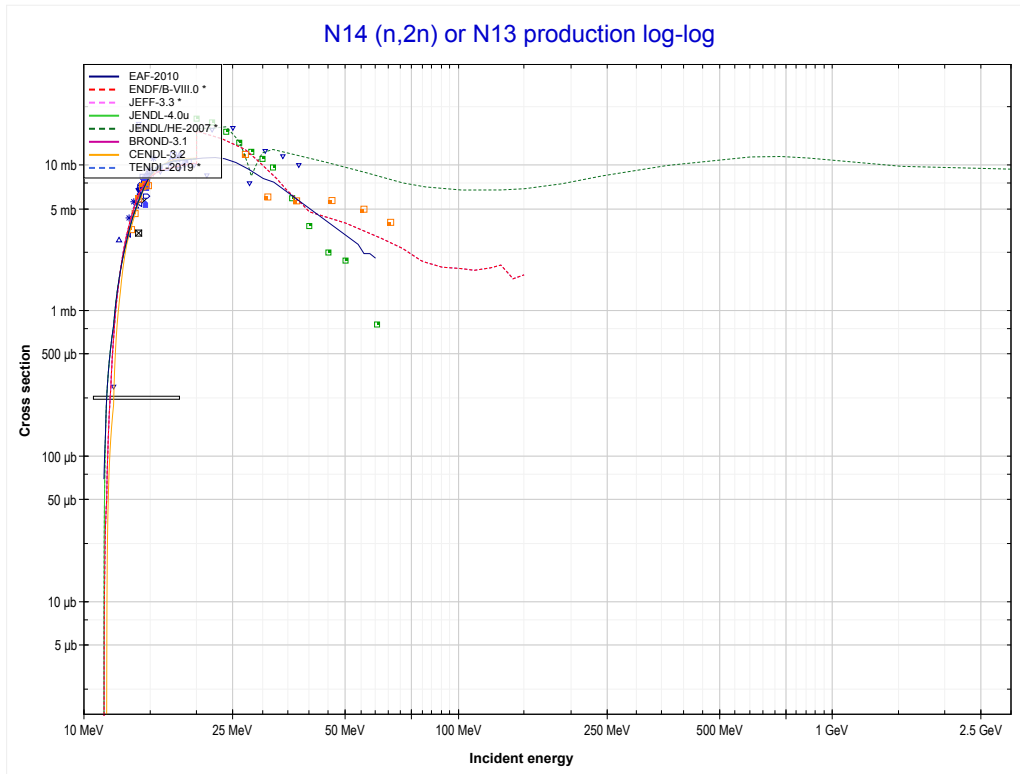
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0111203 b | 0.366368 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0111203 b | 0.366368 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0122413 b | 0.399284 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0122413 b | 0.399284 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0111205 b | 0.366385 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0122235 b | 0.329519 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0111203 b | 0.366368 b |

| | | |
|---------------|--|----------------|
| | 7-N-14 | 8-O-16 >> |
| << MT4 (n,n') | MT11 (n,2n+d) or MT5 (C11 production) | MT16 (n,2n) >> |



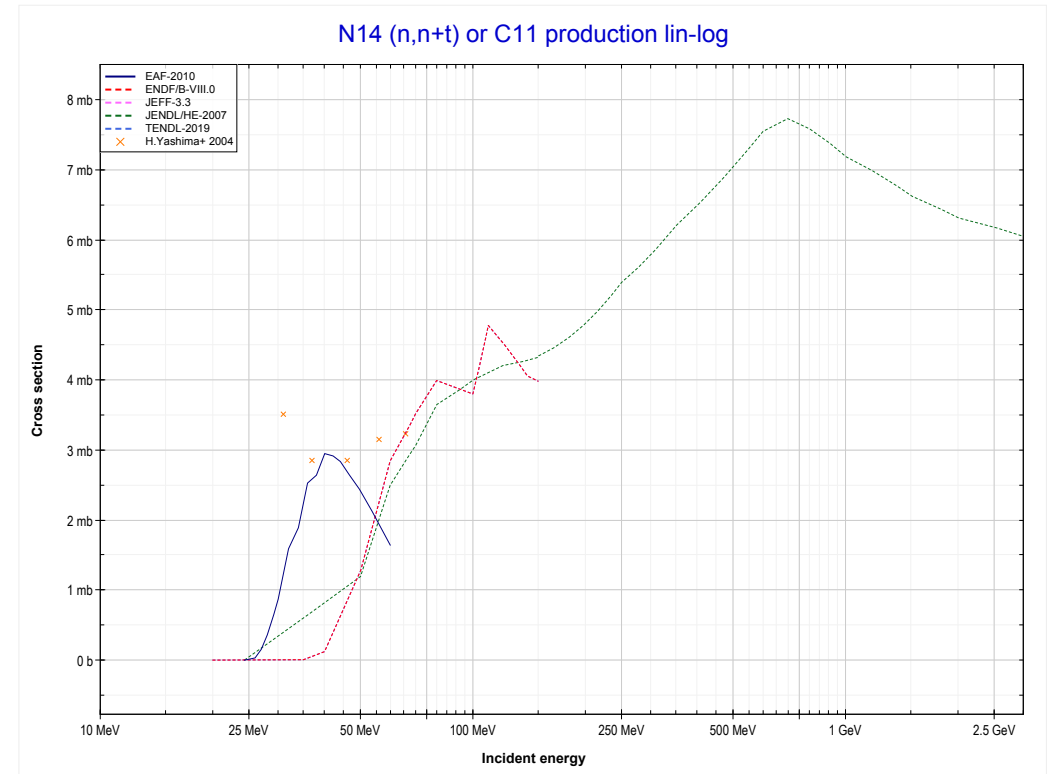
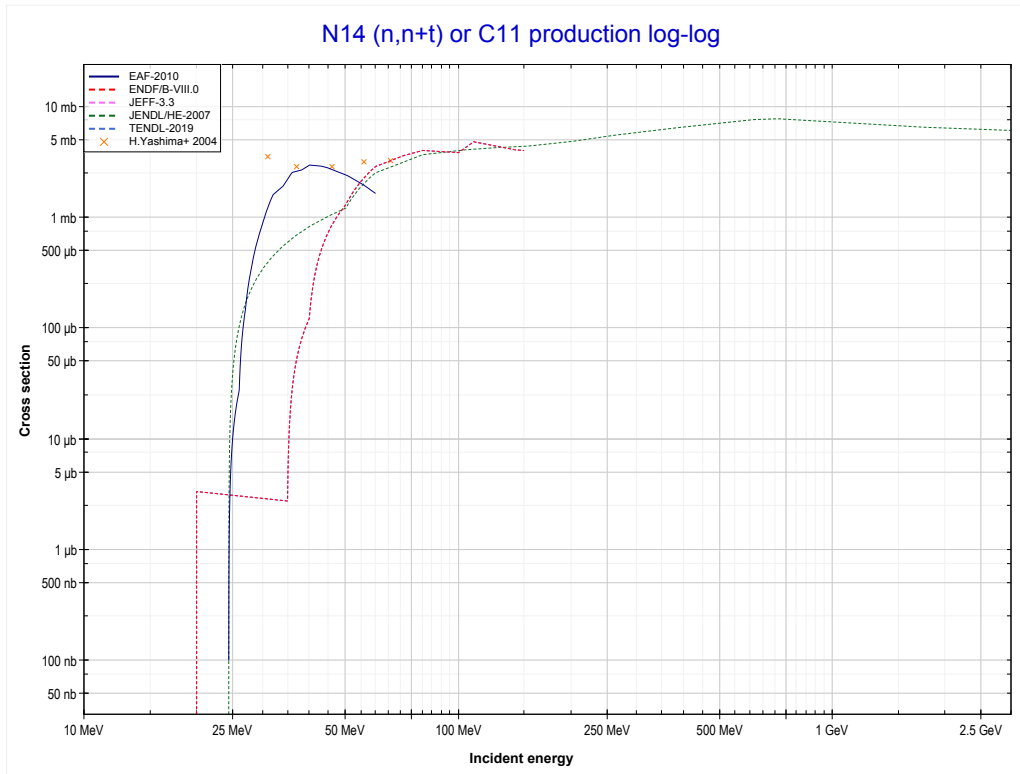
| Reaction | Q-Value |
|----------------|---------------|
| N14(n,n+t)C11 | -22735.79 keV |
| N14(n,2n+d)C11 | -28993.02 keV |
| N14(n,3n+p)C11 | -31217.59 keV |

| | | |
|------------------|--|-----------------|
| << 6-C-13 | 7-N-14 | 8-O-16 >> |
| << MT11 (n,2n+d) | MT16 (n,2n) or MT5 (N13 production) | MT33 (n,n+t) >> |



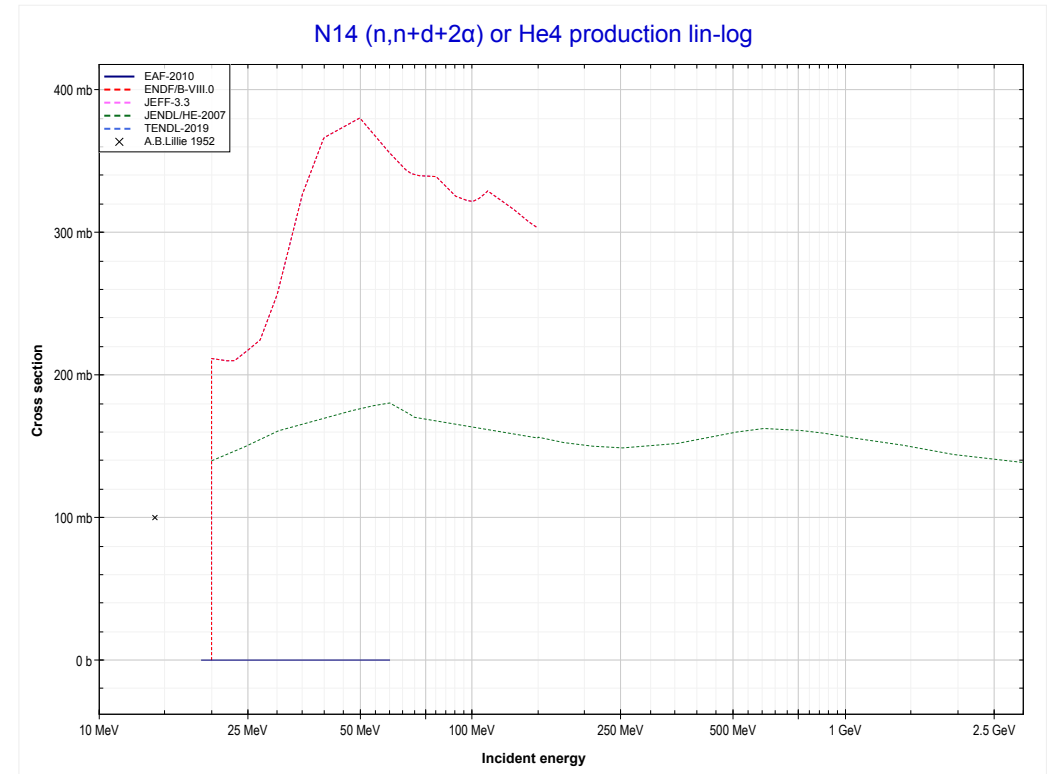
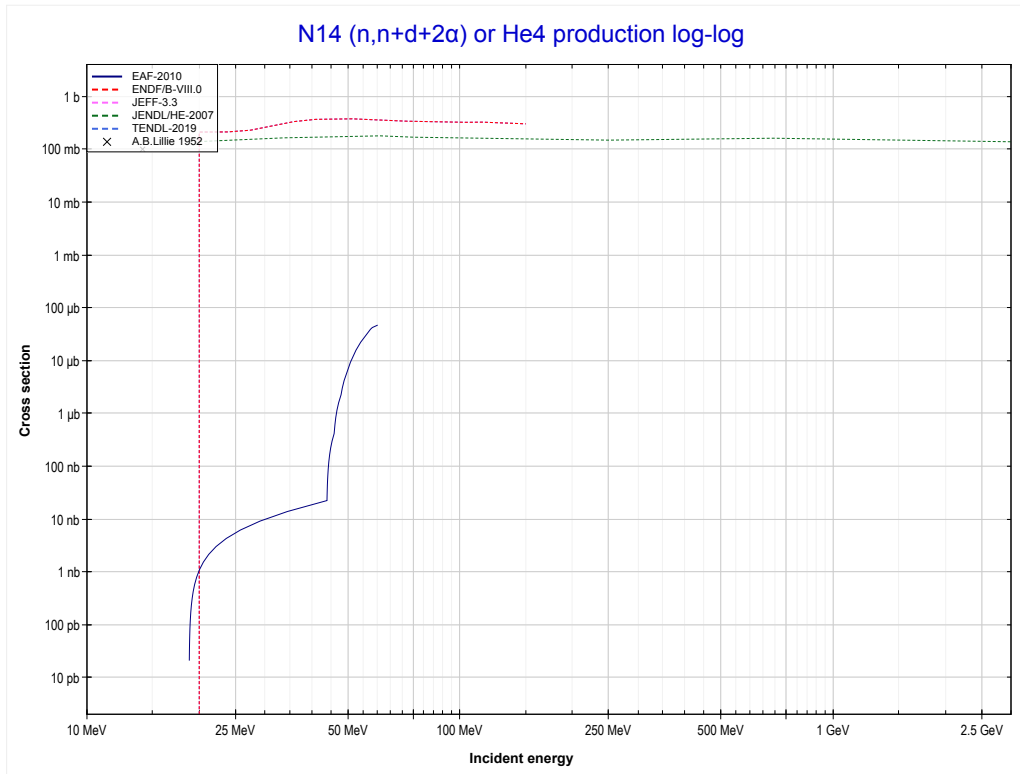
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03092E-6 b | 0.00567 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00322E-6 b | 0.00626318 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00322E-6 b | 0.00626318 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.03086E-6 b | 0.00567 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03057E-6 b | 0.00567 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00339E-6 b | 0.00626318 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.77657E-6 b | 0.0055121 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00317E-6 b | 0.00626318 b |

| | | |
|----------------|---|--------------------|
| | 7-N-14 | 8-O-16 >> |
| << MT16 (n,2n) | MT33 (n,n+t) or MT5 (C11 production) | MT35 (n,n+d+2α) >> |



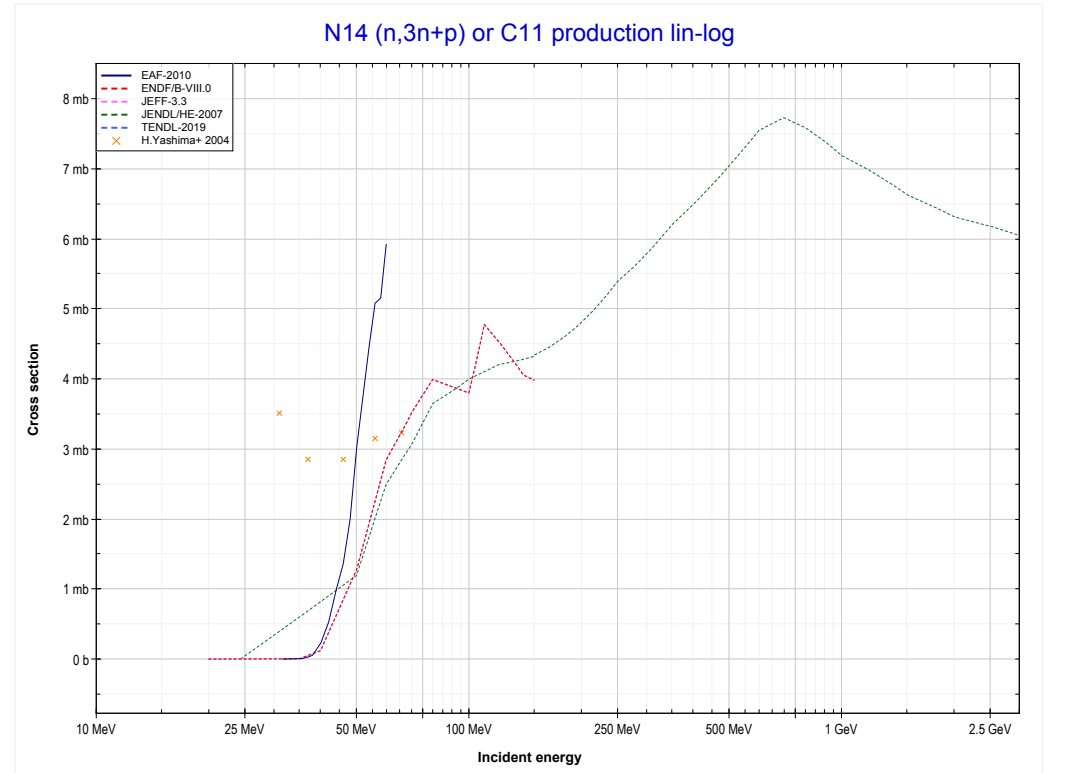
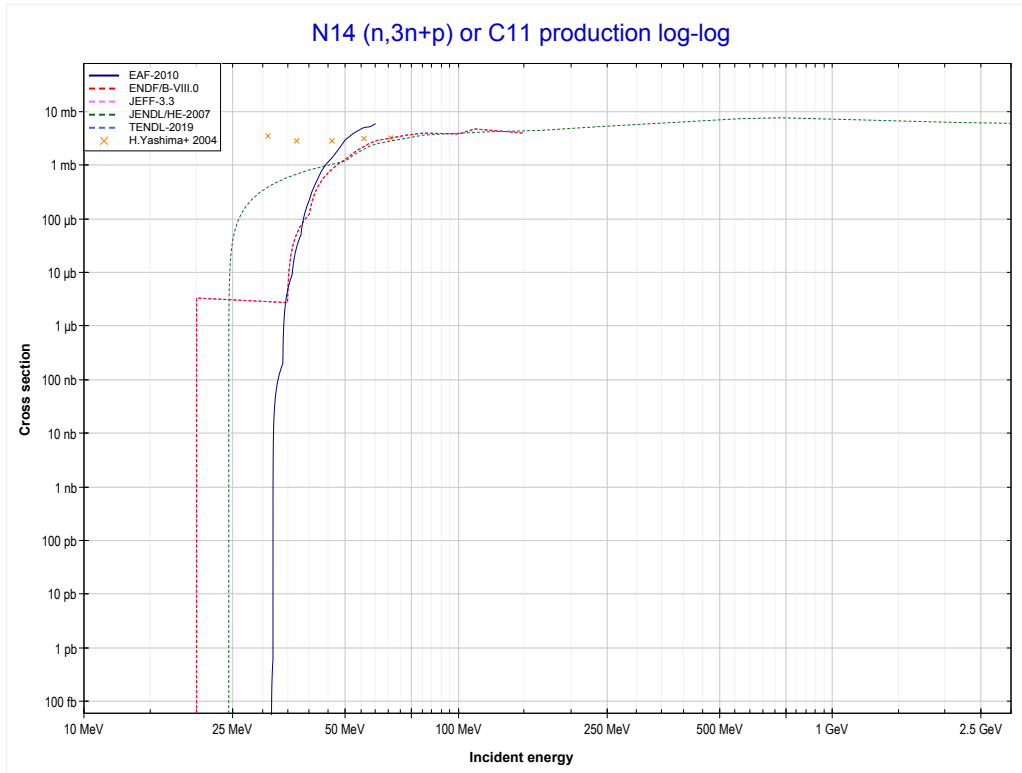
| Reaction | Q-Value |
|----------------|---------------|
| N14(n,n+t)C11 | -22735.79 keV |
| N14(n,2n+d)C11 | -28993.02 keV |
| N14(n,3n+p)C11 | -31217.59 keV |

| | | |
|-----------------|--|------------------|
| << 6-C-12 | 7-N-14 | |
| << MT33 (n,n+t) | MT35 (n,n+d+2α) or MT5 (He4 production) | MT42 (n,3n+p) >> |



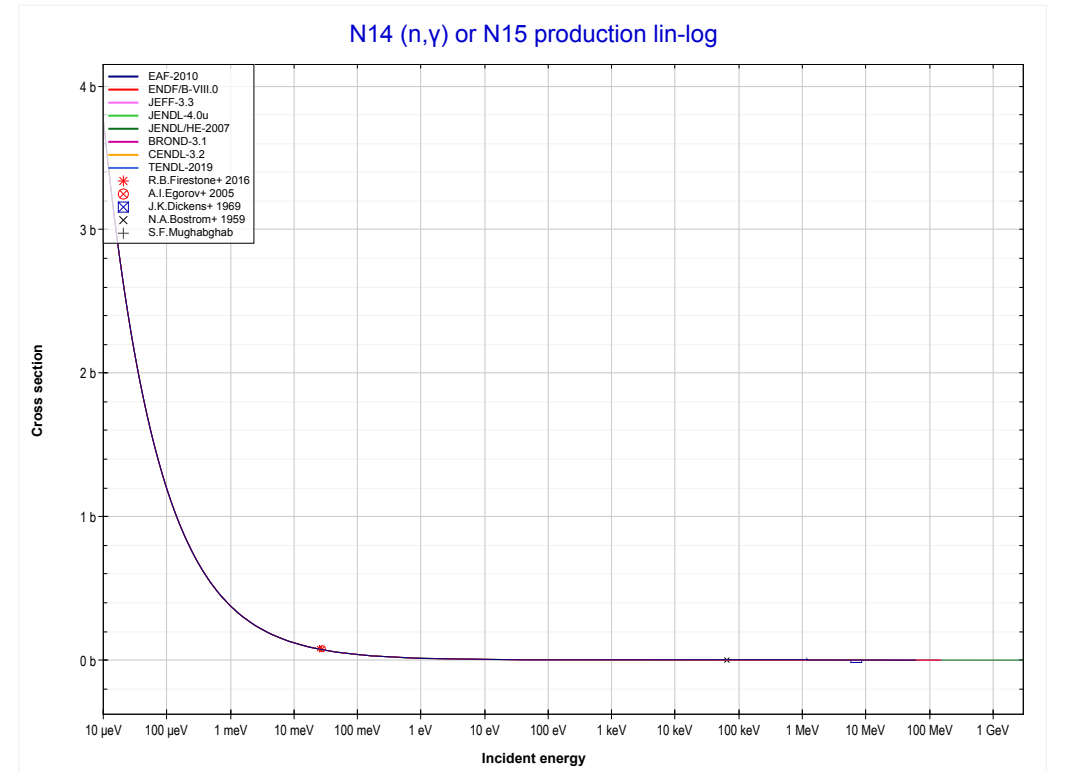
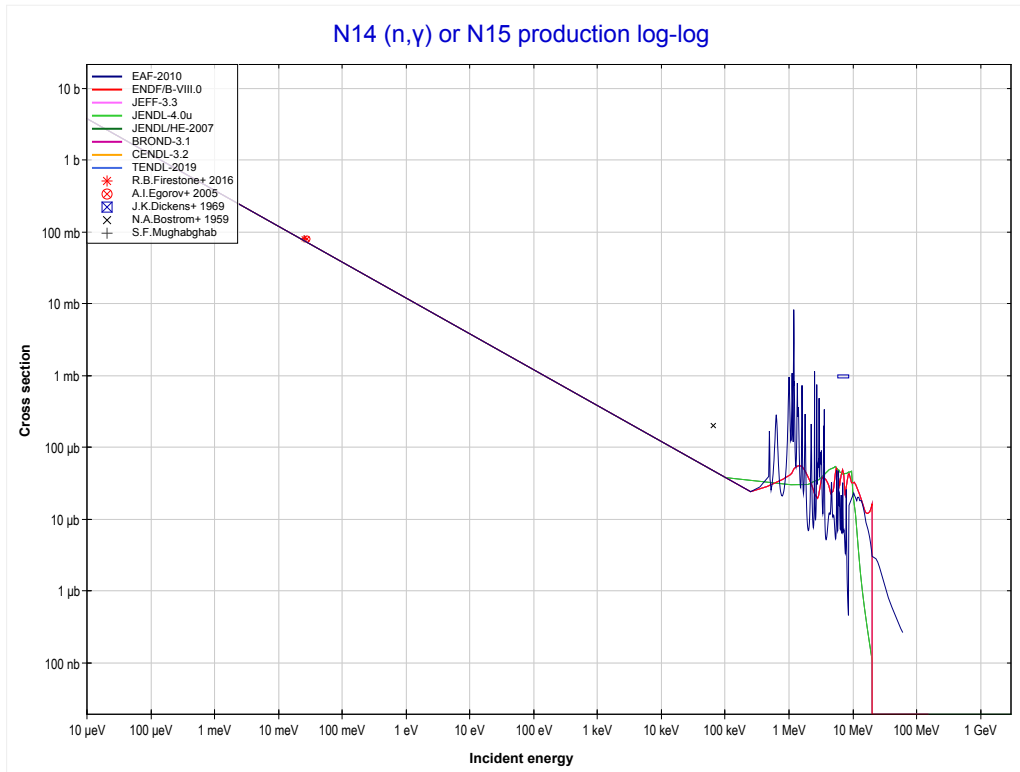
| Reaction | Q-Value | Reaction | Q-Value |
|----------------------|---------------|----------------------|---------------|
| N14(n,t+2α)He4 | -11289.82 keV | N14(n,2n+2p+t+α)He4 | -39585.48 keV |
| N14(n,n+d+2α)He4 | -17547.05 keV | N14(n,3n+p+He3+α)He4 | -40349.24 keV |
| N14(n,2n+p+2α)He4 | -19771.62 keV | N14(n,n+3d+α)He4 | -41393.58 keV |
| N14(n,p+2t+α)He4 | -31103.69 keV | N14(n,2n+p+2d+α)He4 | -43618.15 keV |
| N14(n,n+t+He3+α)He4 | -31867.44 keV | N14(n,3n+2p+d+α)He4 | -45842.71 keV |
| N14(n,2d+t+α)He4 | -35136.35 keV | N14(n,4n+3p+α)He4 | -48067.28 keV |
| N14(n,n+p+d+t+α)He4 | -37360.92 keV | N14(n,d+2t+He3)He4 | -49456.74 keV |
| N14(n,2n+d+He3+α)He4 | -38124.67 keV | N14(n,2p+3t)He4 | -50917.55 keV |

| | | |
|--------------------|--|----------------|
| | 7-N-14 | 8-O-16 >> |
| << MT35 (n,n+d+2α) | MT42 (n,3n+p) or MT5 (C11 production) | MT102 (n,γ) >> |



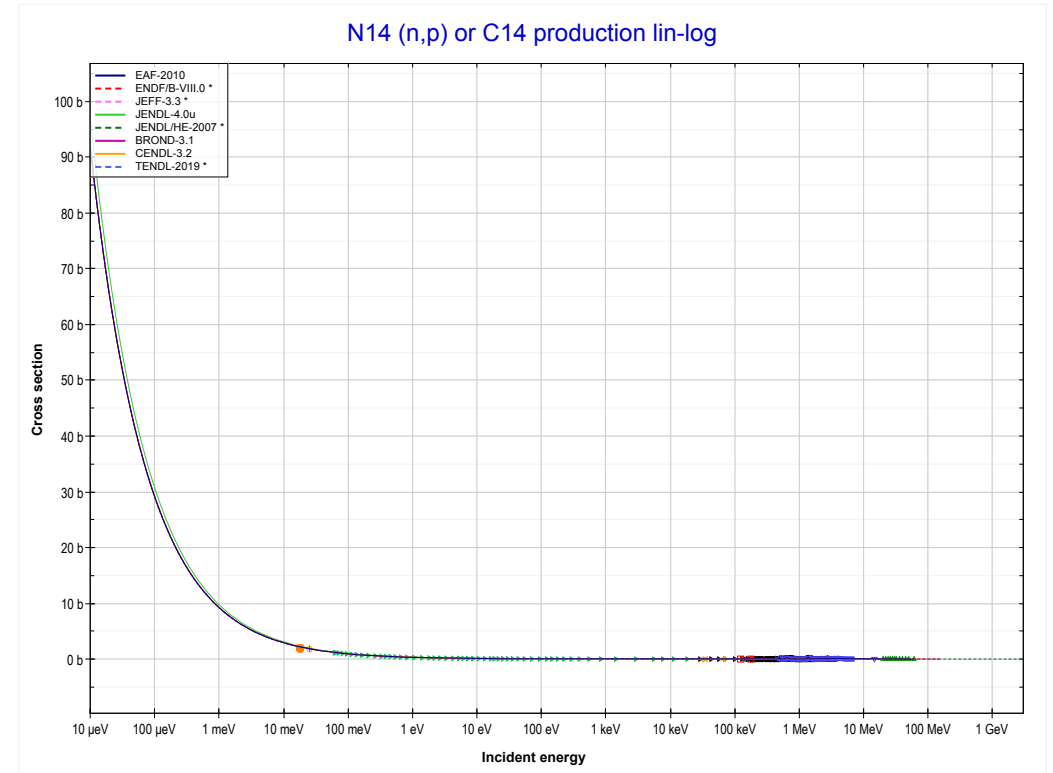
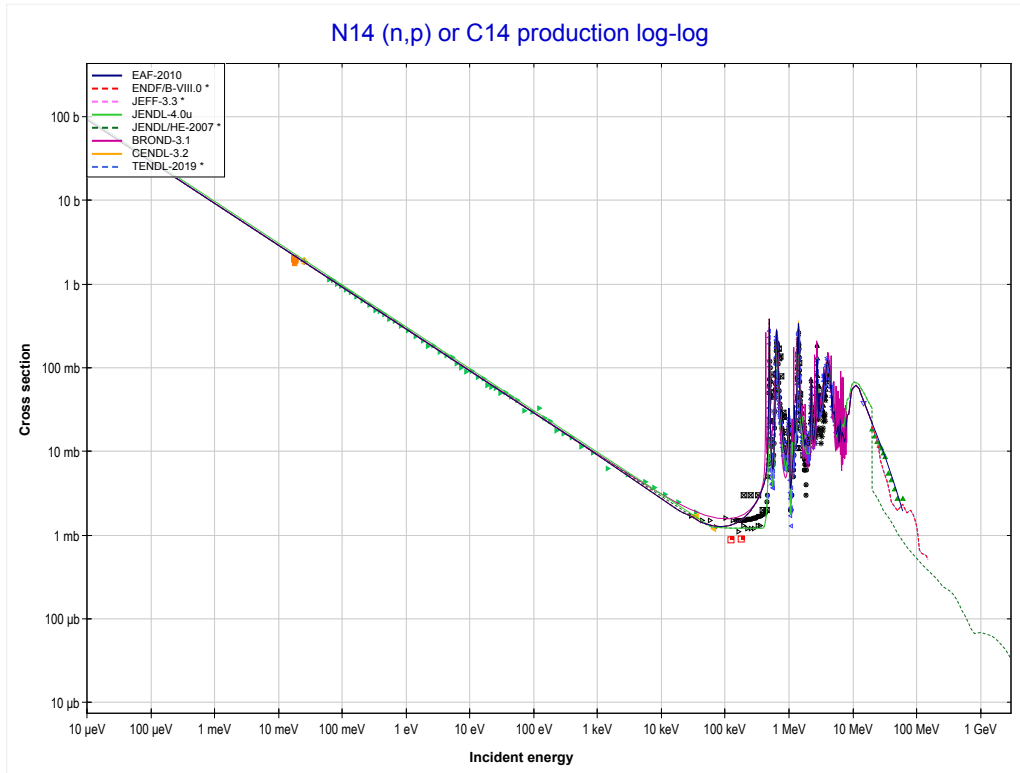
| Reaction | Q-Value |
|----------------|---------------|
| N14(n,n+t)C11 | -22735.79 keV |
| N14(n,2n+d)C11 | -28993.02 keV |
| N14(n,3n+p)C11 | -31217.59 keV |

| | | |
|------------------|--|----------------|
| << 6-C-14 | 7-N-14 | 7-N-15 >> |
| << MT42 (n,3n+p) | MT102 (n,γ) or MT5 (N15 production) | MT103 (n,p) >> |



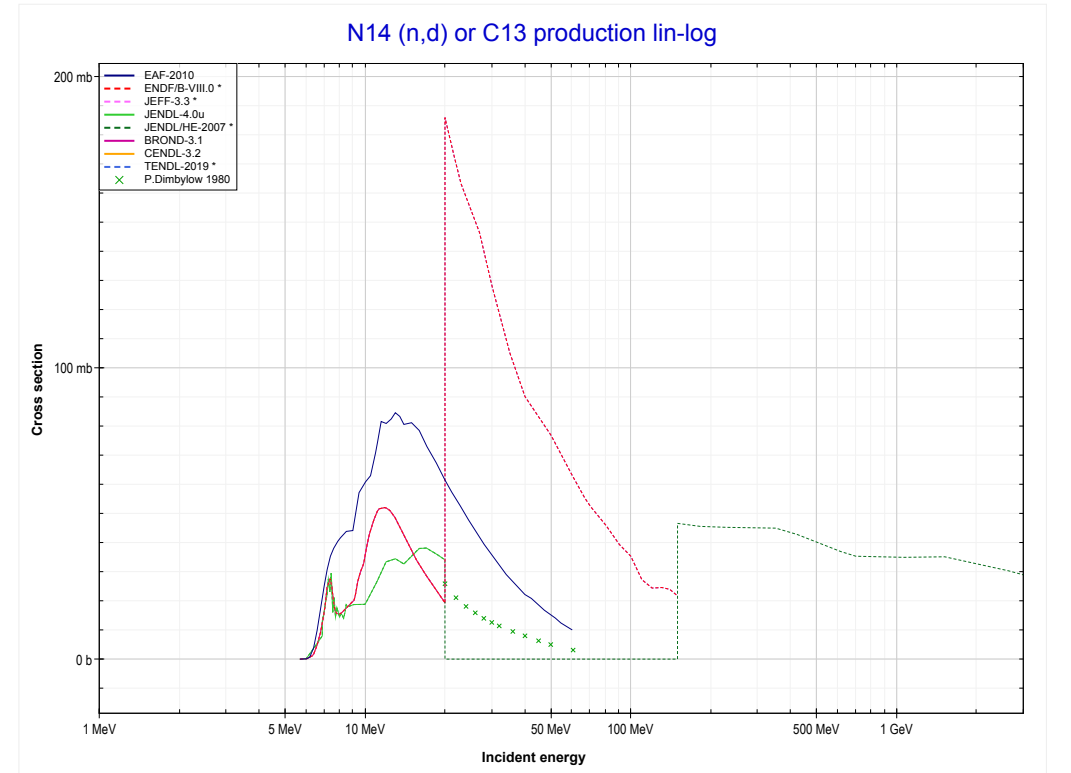
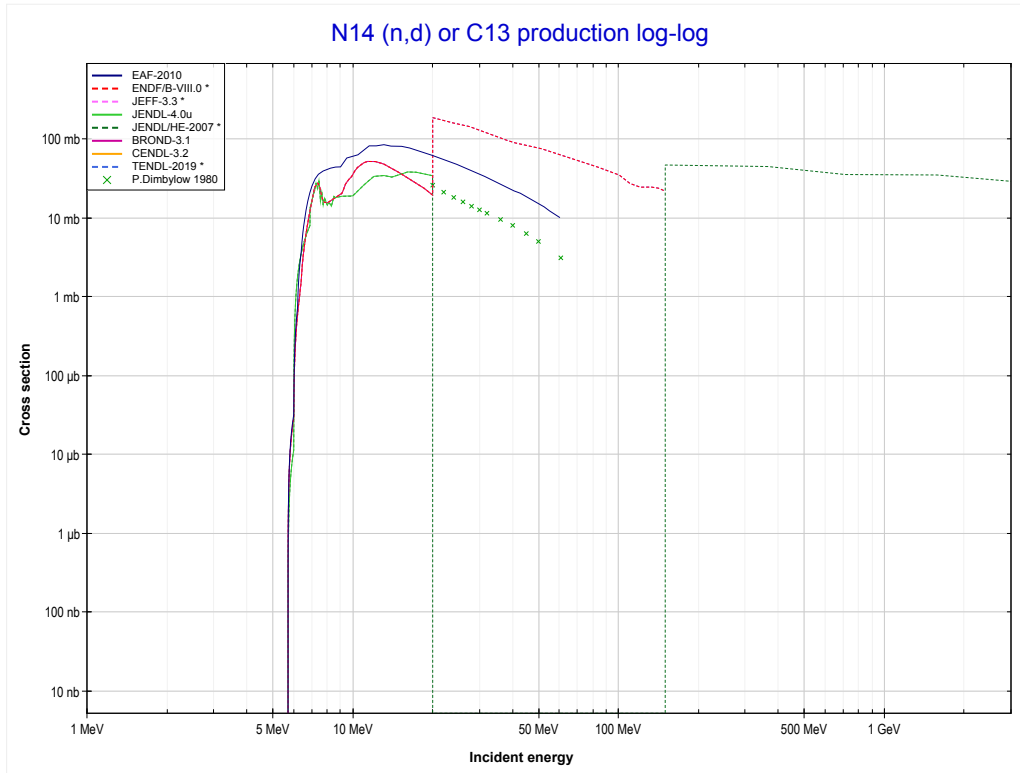
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0750639 b | 0.0750077 b | 0.074986 b | 0.99971 | 0.0336313 b | 1.3214E-4 b | 1.65E-5 b |
| ENDF/B-VIII.0 | 0.0750135 b | 0.0750135 b | 0.075026 b | 1.00017 | 0.0336769 b | 3.65332E-5 b | 1.71403E-5 b |
| JEFF-3.3 | 0.0750135 b | 0.0750135 b | 0.075026 b | 1.00017 | 0.0336769 b | 3.65332E-5 b | 1.71403E-5 b |
| JENDL-4.0u | 0.075027 b | 0.075027 b | 0.075052 b | 1.00033 | 0.0337435 b | 3.46954E-5 b | 1.03558E-6 b |
| JENDL/HE-2007 | 0.0749999 b | 0.0749999 b | 0.075004 b | 1.00006 | 0.0336789 b | 3.46887E-5 b | 1.03558E-6 b |
| BROND-3.1 | 0.0750246 b | 0.0750246 b | 0.075036 b | 1.00015 | 0.0336665 b | 3.65329E-5 b | 1.71404E-5 b |
| CENDL-3.2 | 0.0749908 b | 0.0749908 b | 0.074981 b | 0.99987 | 0.0336128 b | 3.6532E-5 b | 1.71403E-5 b |
| TENDL-2019 | 0.0749908 b | 0.0749908 b | 0.074981 b | 0.99987 | 0.0336128 b | 3.6532E-5 b | 1.71404E-5 b |

| | | |
|-------------------------|--|----------------|
| << 6-C-12 | 7-N-14 | 7-N-15 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (C14 production) | MT104 (n,d) >> |



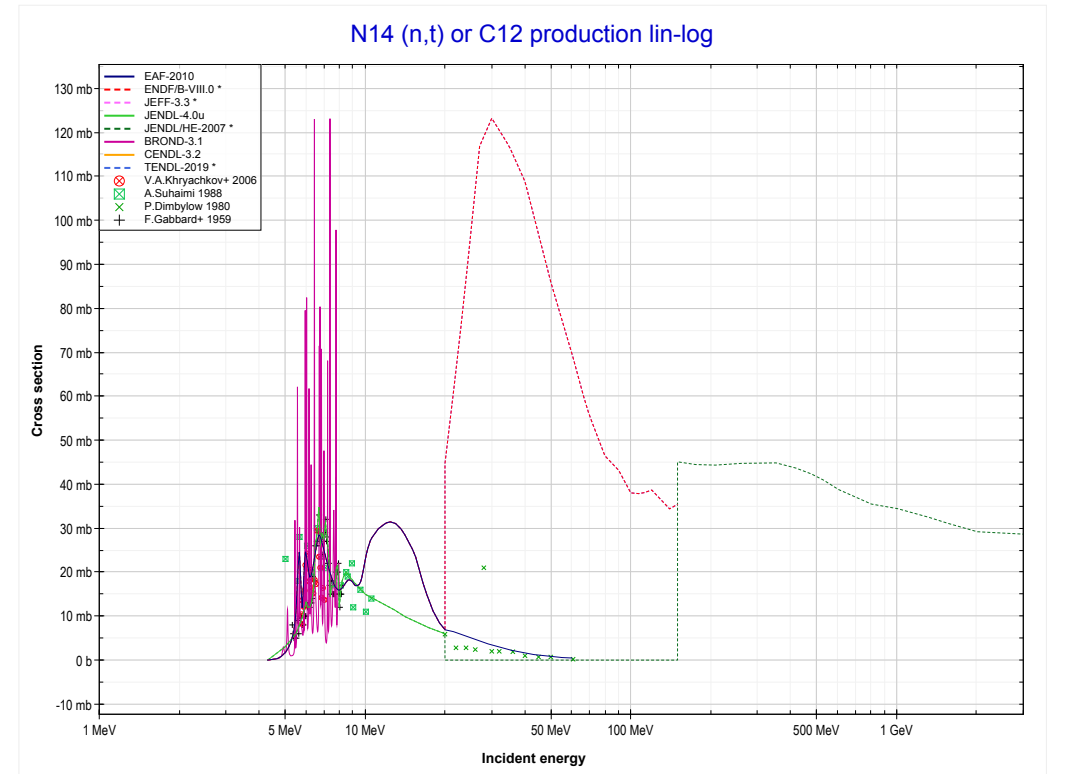
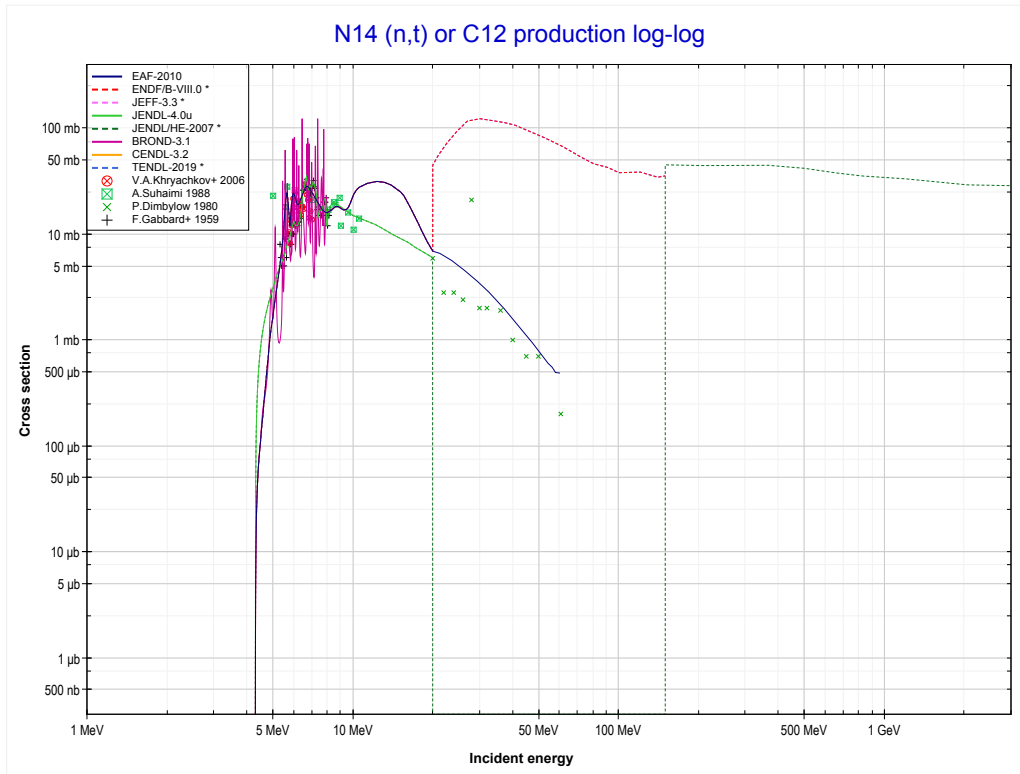
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.82899 b | 1.82762 b | 1.8274 b | 0.99987 | 0.820261 b | 0.0383015 b | 0.0444675 b |
| ENDF/B-VIII.0 | 1.82765 b | 1.82765 b | 1.8283 b | 1.00036 | 0.821353 b | 0.0382997 b | 0.0444674 b |
| JEFF-3.3 | 1.82765 b | 1.82765 b | 1.8283 b | 1.00036 | 0.821353 b | 0.0382997 b | 0.0444674 b |
| JENDL-4.0u | 1.9307 b | 1.9307 b | 1.9313 b | 1.00033 | 0.868442 b | 0.0347985 b | 0.054029 b |
| JENDL/HE-2007 | 1.83 b | 1.83 b | 1.8301 b | 1.00006 | 0.821906 b | 0.0347839 b | 0.054029 b |
| BROND-3.1 | 1.83367 b | 1.83367 b | 1.8343 b | 1.00033 | 0.825225 b | 0.0374131 b | 0.0444674 b |
| CENDL-3.2 | 1.8271 b | 1.8271 b | 1.8272 b | 1.00006 | 0.819788 b | 0.0383011 b | 0.0444674 b |
| TENDL-2019 | 1.8271 b | 1.8271 b | 1.8272 b | 1.00006 | 0.819788 b | 0.0383011 b | 0.0444674 b |

| | | |
|----------------|--|----------------|
| << 6-C-12 | 7-N-14 | 8-O-16 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (C13 production) | MT105 (n,t) >> |



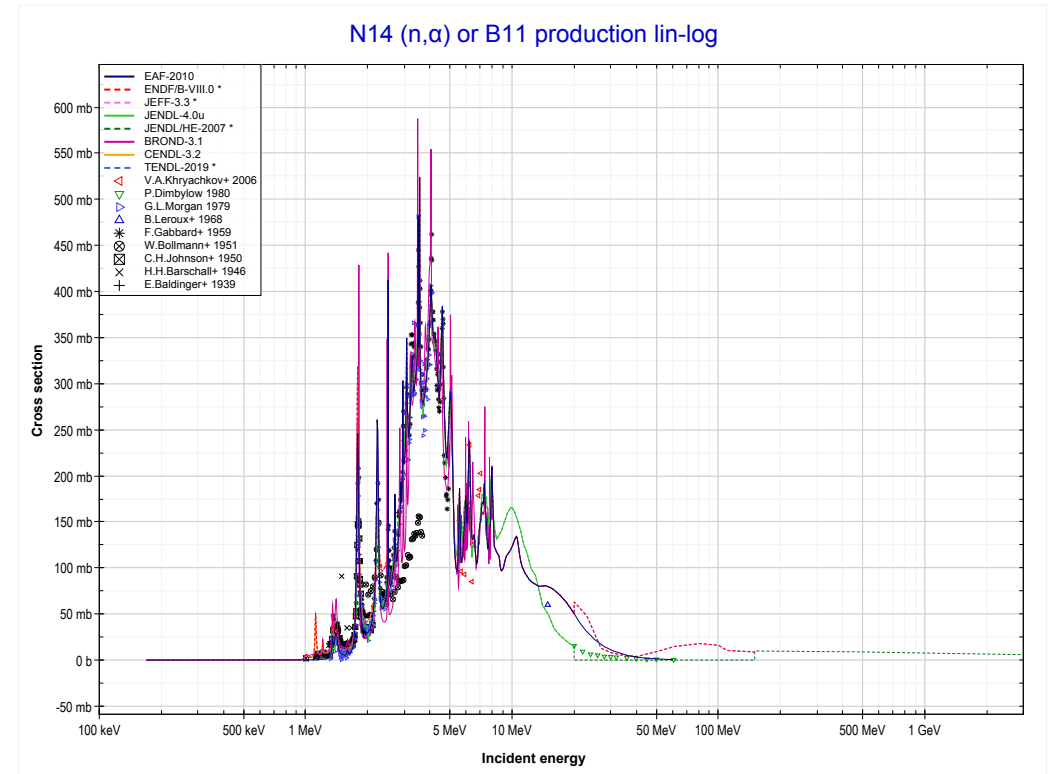
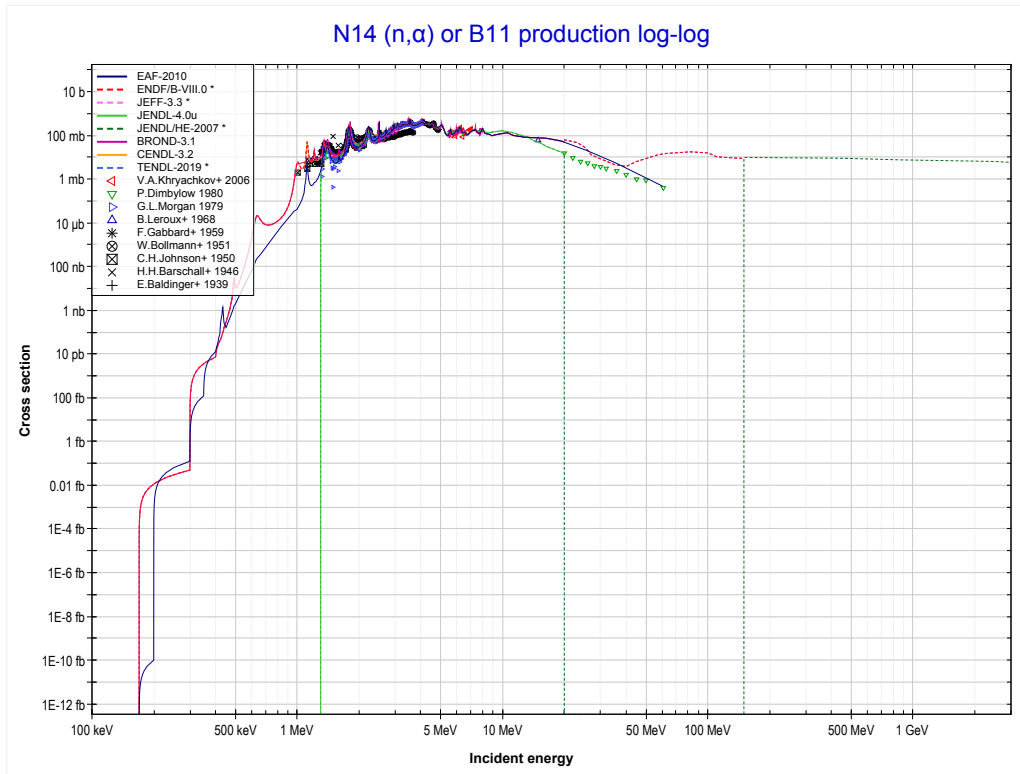
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.96203E-4 b | 0.0806039 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.34262E-4 b | 0.0425523 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.34262E-4 b | 0.0425523 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.81018E-4 b | 0.032664 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.81019E-4 b | 0.032664 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.34203E-4 b | 0.0425488 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.3426E-4 b | 0.0425523 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.3426E-4 b | 0.0425523 b |

| | | |
|----------------|--|-------------------------|
| << 6-C-13 | 7-N-14 | 8-O-16 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (C12 production) | MT107 (n, α) >> |



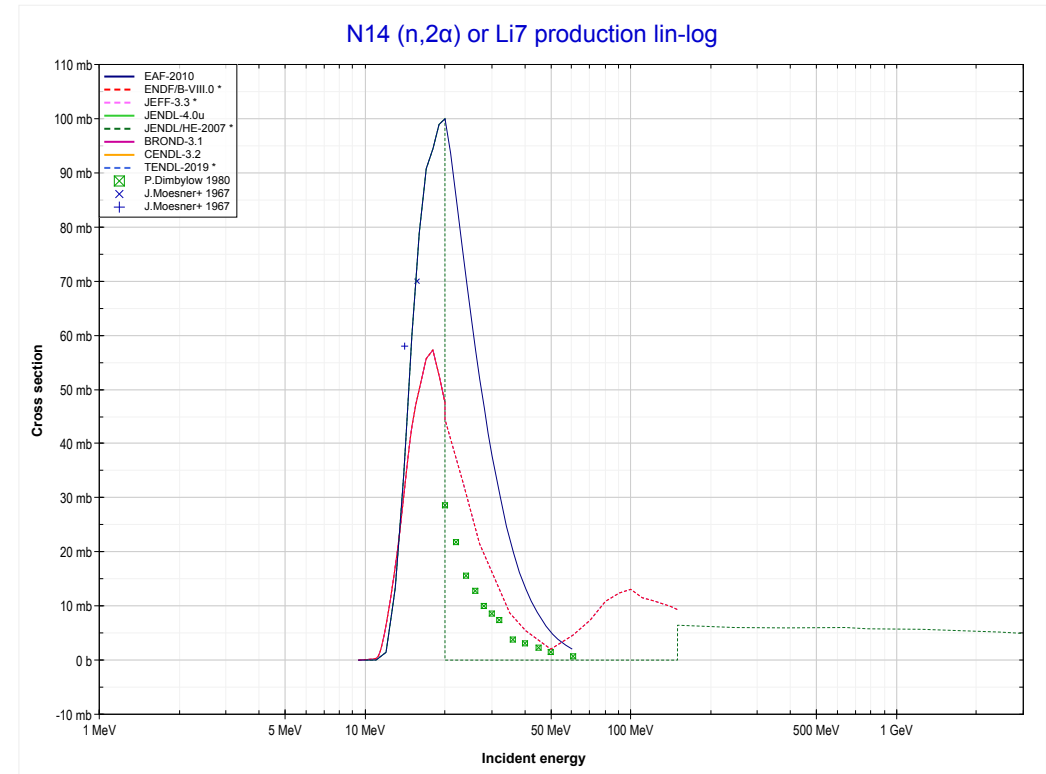
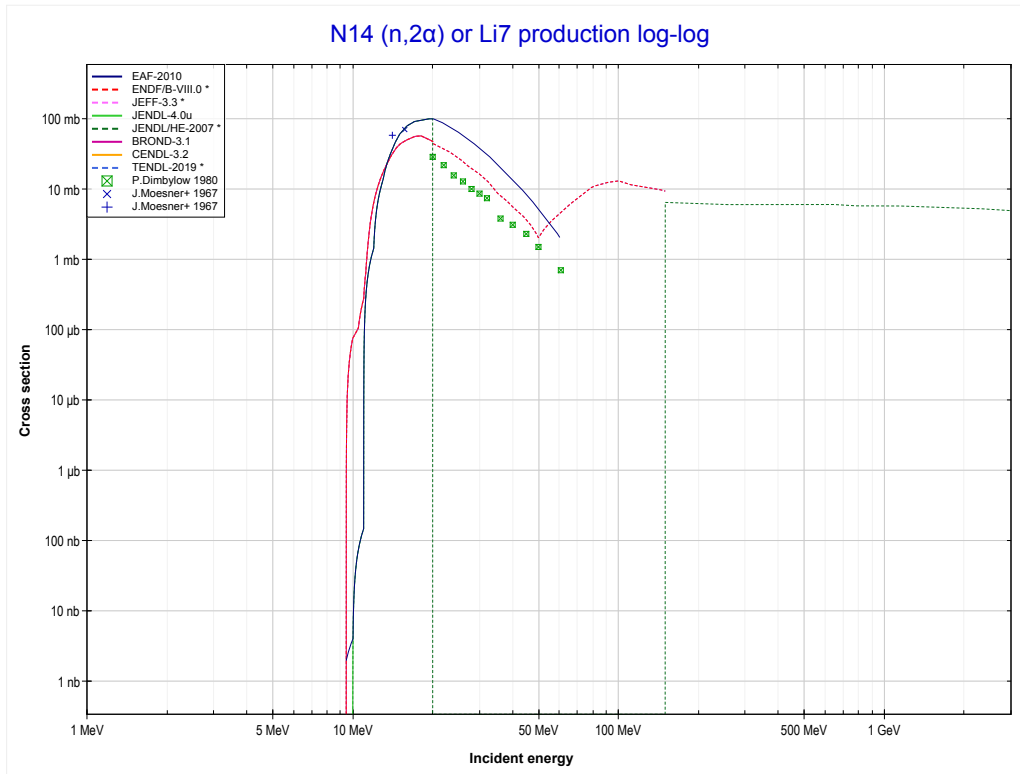
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.87386E-4 b | 0.0289095 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.87401E-4 b | 0.0289095 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.87401E-4 b | 0.0289095 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.43289E-4 b | 0.01 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.43294E-4 b | 0.01 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92556E-4 b | 0.0289095 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.87405E-4 b | 0.0289095 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.87405E-4 b | 0.0289095 b |

| | | |
|----------------|--|--------------------------|
| << 6-C-13 | 7-N-14 | 8-O-16 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (B11 production) | MT108 (n, 2α) >> |



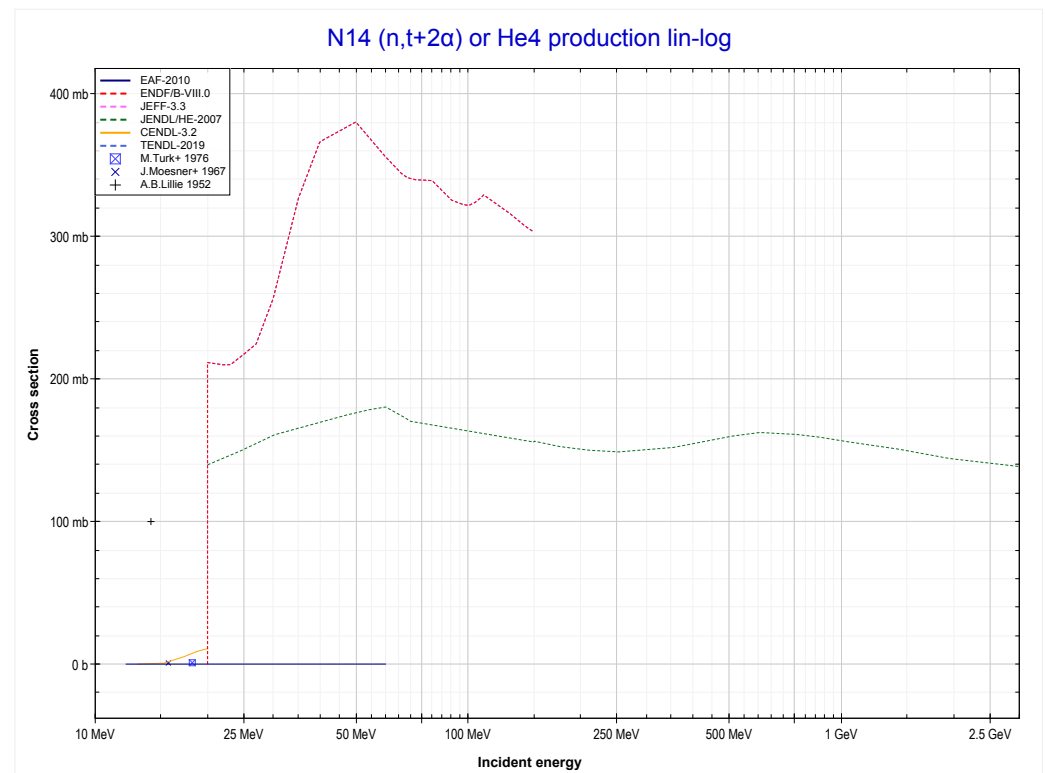
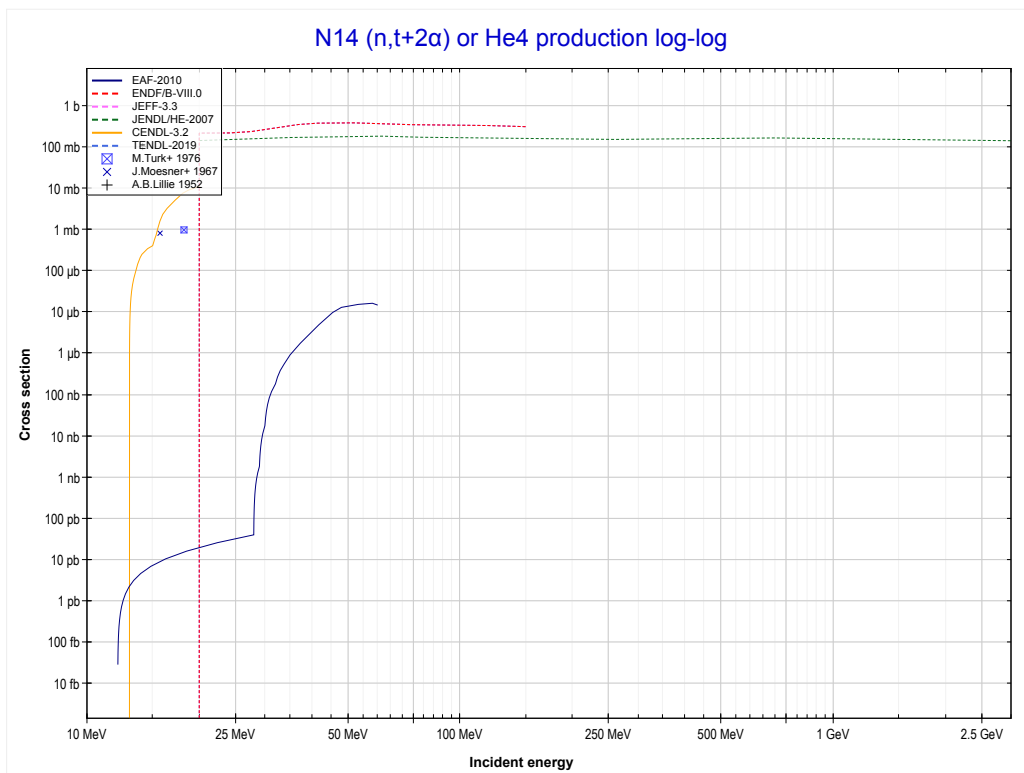
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0830265 b | 0.0803855 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0876277 b | 0.0803747 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0876277 b | 0.0803747 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0821387 b | 0.0600996 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0821386 b | 0.0600996 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0794606 b | 0.0803855 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0876277 b | 0.0803747 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0876278 b | 0.0803747 b |

| | | |
|-------------------------|---|----------------------------|
| | 7-N-14 | 8-O-16 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Li7 production) | MT113 (n,t+2 α) >> |



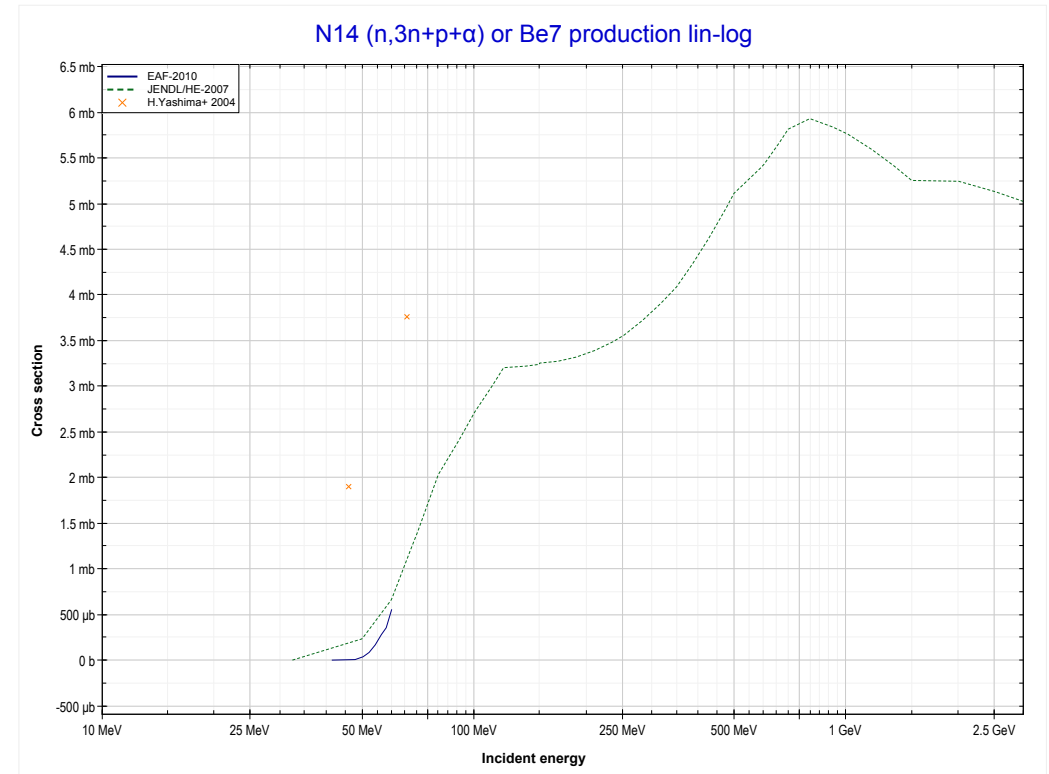
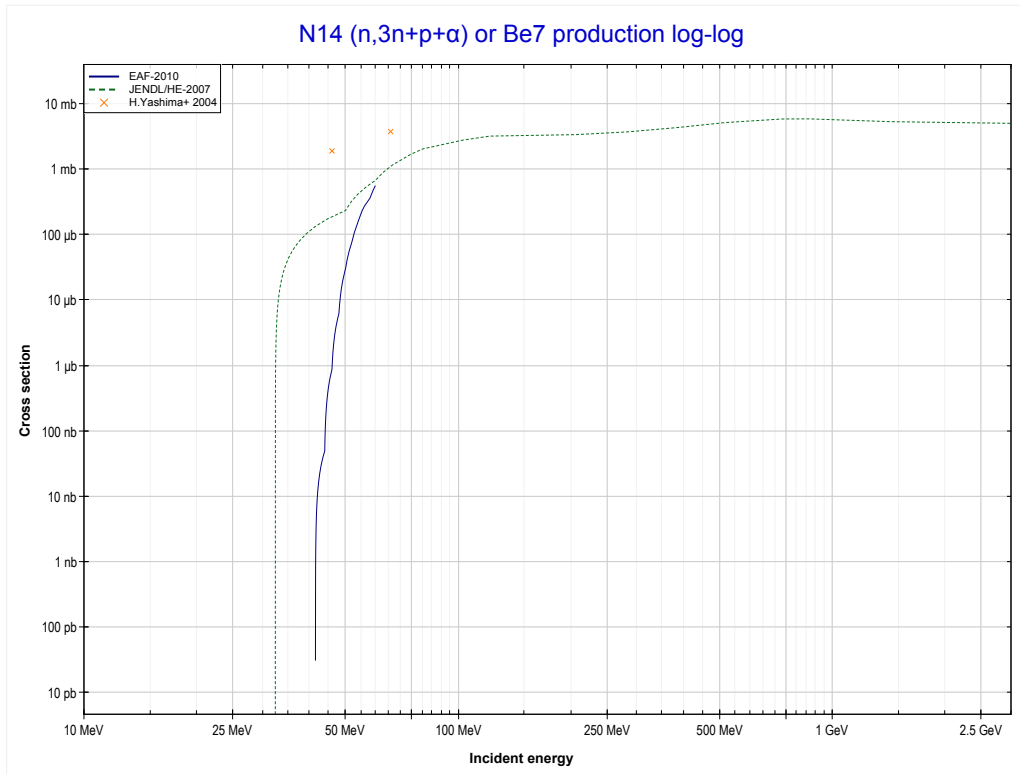
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18463E-5 b | 0.0303931 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18463E-5 b | 0.0303931 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.19642E-5 b | 0.0344845 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1962E-5 b | 0.0344845 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18465E-5 b | 0.0303931 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1846E-5 b | 0.0303931 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1846E-5 b | 0.0303931 b |

| | | |
|-----------------|---|---------------------|
| << 6-C-12 | 7-N-14 | |
| << MT108 (n,2α) | MT113 (n,t+2α) or MT5 (He4 production) | MT181 (n,3n+p+α) >> |



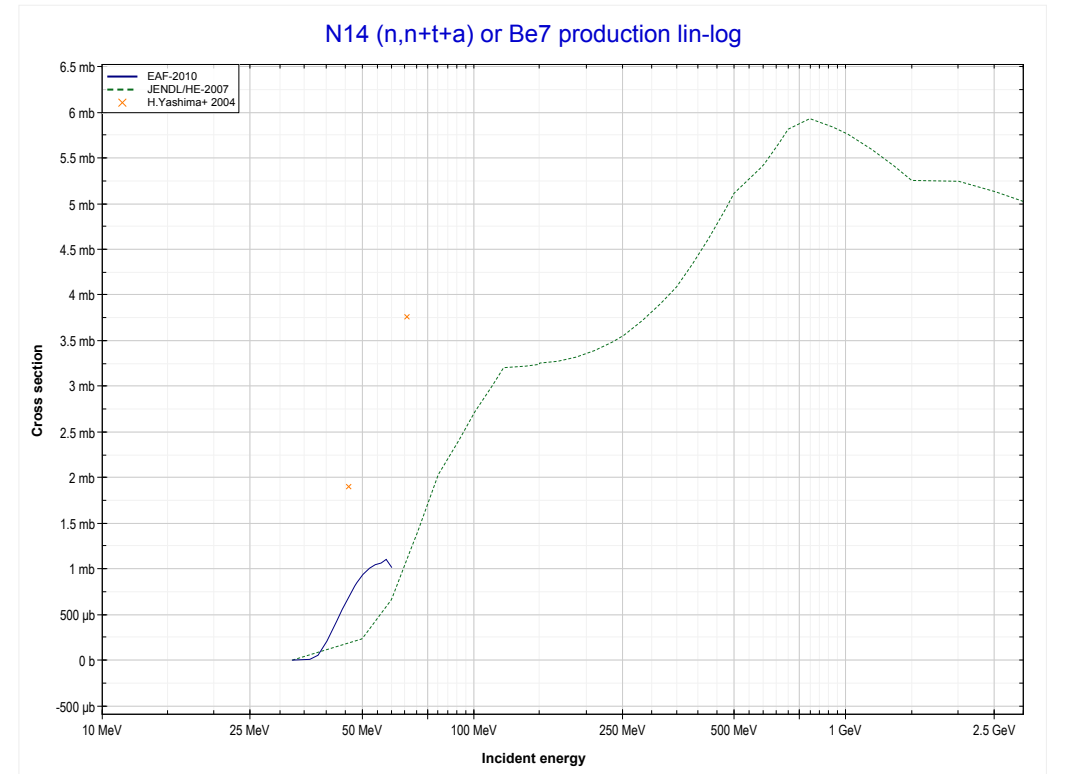
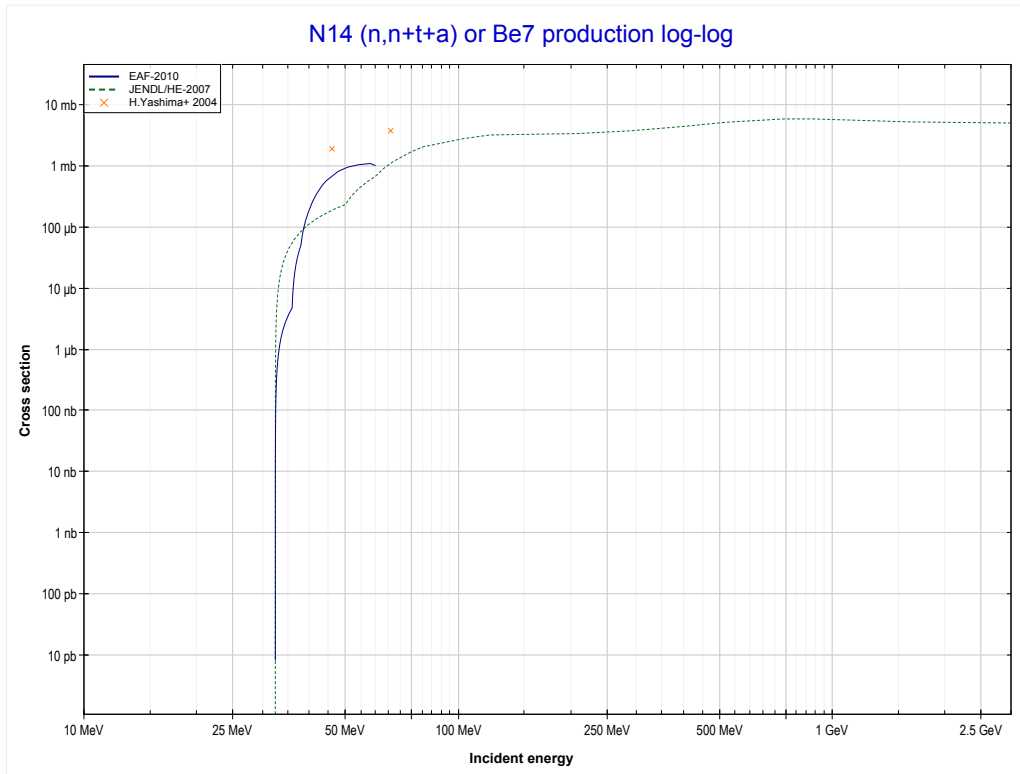
| Reaction | Q-Value | Reaction | Q-Value |
|----------------------|---------------|----------------------|---------------|
| N14(n,t+2α)He4 | -11289.82 keV | N14(n,2n+2p+t+α)He4 | -39585.48 keV |
| N14(n,n+d+2α)He4 | -17547.05 keV | N14(n,3n+p+He3+α)He4 | -40349.24 keV |
| N14(n,2n+p+2α)He4 | -19771.62 keV | N14(n,n+3d+α)He4 | -41393.58 keV |
| N14(n,p+2t+α)He4 | -31103.69 keV | N14(n,2n+p+2d+α)He4 | -43618.15 keV |
| N14(n,n+t+He3+α)He4 | -31867.44 keV | N14(n,3n+2p+d+α)He4 | -45842.71 keV |
| N14(n,2d+t+α)He4 | -35136.35 keV | N14(n,4n+3p+α)He4 | -48067.28 keV |
| N14(n,n+p+d+t+α)He4 | -37360.92 keV | N14(n,d+2t+He3)He4 | -49456.74 keV |
| N14(n,2n+d+He3+α)He4 | -38124.67 keV | N14(n,2p+3t)He4 | -50917.55 keV |

| | | |
|-------------------|---|--------------------|
| | 7-N-14 | |
| << MT113 (n,t+2α) | MT181 (n,3n+p+α) or MT5 (Be7 production) | MT189 (n,n+t+a) >> |



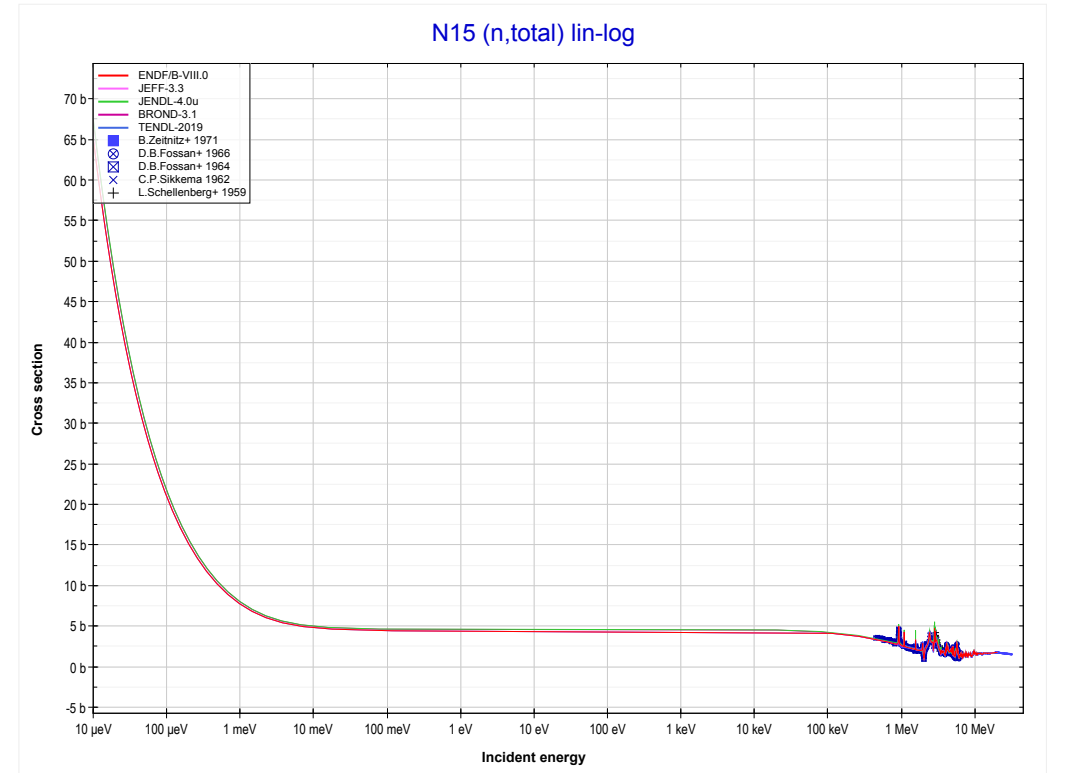
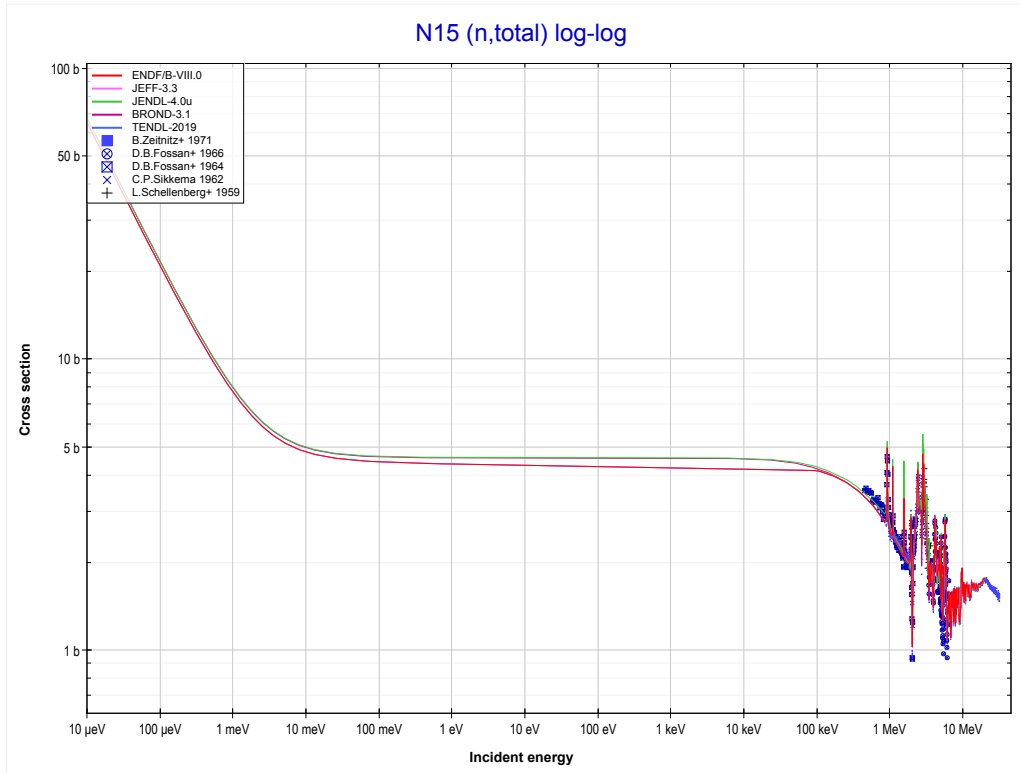
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|--------------------|---------------|
| N14(n,n+t+α)Be7 | -30280.31 keV | N14(n,3n+d+He3)Be7 | -57115.16 keV |
| N14(n,2n+d+α)Be7 | -36537.54 keV | N14(n,3n+2p+t)Be7 | -58575.97 keV |
| N14(n,3n+p+α)Be7 | -38762.10 keV | N14(n,4n+p+He3)Be7 | -59339.72 keV |
| N14(n,d+2t)Be7 | -47869.61 keV | N14(n,2n+3d)Be7 | -60384.07 keV |
| N14(n,n+p+2t)Be7 | -50094.17 keV | N14(n,3n+p+2d)Be7 | -62608.63 keV |
| N14(n,2n+t+He3)Be7 | -50857.93 keV | N14(n,4n+2p+d)Be7 | -64833.20 keV |
| N14(n,n+2d+t)Be7 | -54126.84 keV | N14(n,5n+3p)Be7 | -67057.76 keV |
| N14(n,2n+p+d+t)Be7 | -56351.40 keV | | |

| | | |
|---------------------|--|-------------------------|
| | 7-N-14 | |
| << MT181 (n,3n+p+α) | MT189 (n,n+t+a) or MT5 (Be7 production) | 7-N-15 MT1 (n,total) >> |



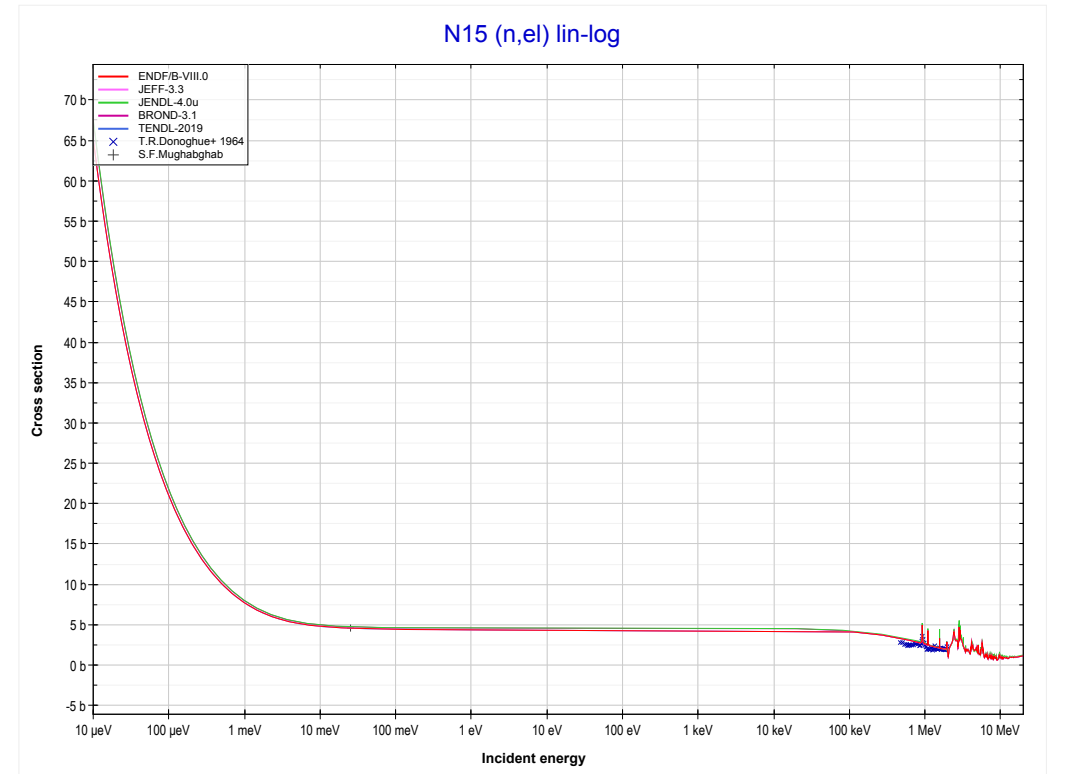
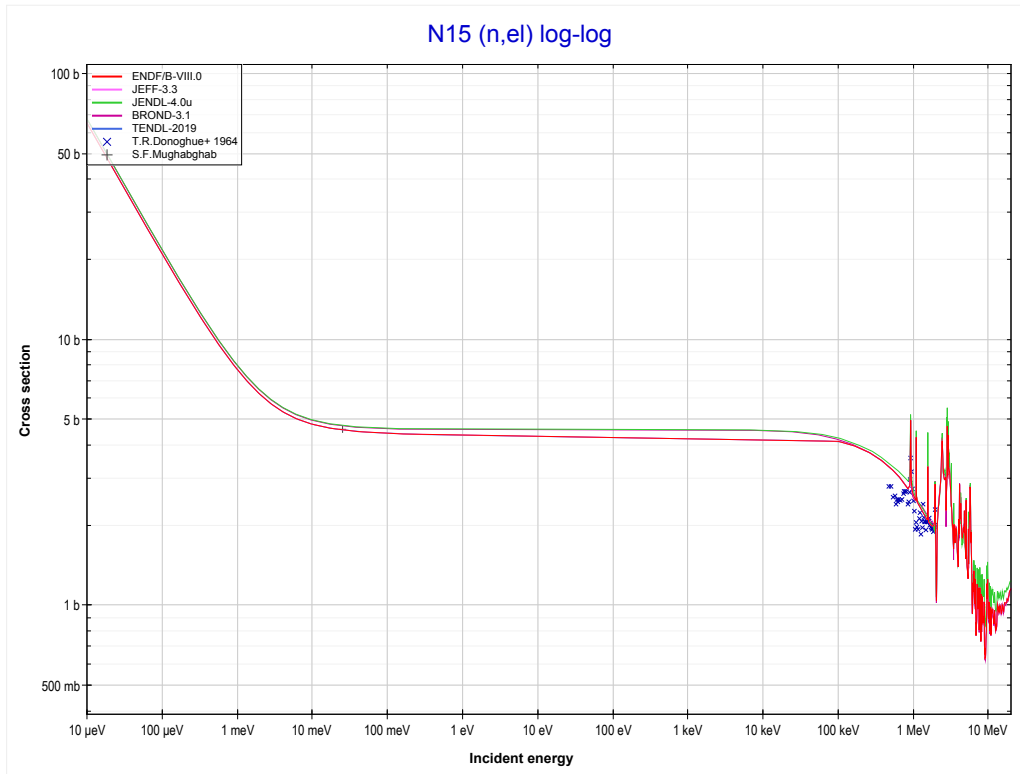
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|--------------------|---------------|
| N14(n,n+t+α)Be7 | -30280.31 keV | N14(n,3n+d+He3)Be7 | -57115.16 keV |
| N14(n,2n+d+α)Be7 | -36537.54 keV | N14(n,3n+2p+t)Be7 | -58575.97 keV |
| N14(n,3n+p+α)Be7 | -38762.10 keV | N14(n,4n+p+He3)Be7 | -59339.72 keV |
| N14(n,d+2t)Be7 | -47869.61 keV | N14(n,2n+3d)Be7 | -60384.07 keV |
| N14(n,n+p+2t)Be7 | -50094.17 keV | N14(n,3n+p+2d)Be7 | -62608.63 keV |
| N14(n,2n+t+He3)Be7 | -50857.93 keV | N14(n,4n+2p+d)Be7 | -64833.20 keV |
| N14(n,n+2d+t)Be7 | -54126.84 keV | N14(n,5n+3p)Be7 | -67057.76 keV |
| N14(n,2n+p+d+t)Be7 | -56351.40 keV | | |

| | | |
|---------------------------|----------------------|--------------------|
| << 7-N-14 | 7-N-15 | 8-O-16 >> |
| << 7-N-14 MT189 (n,n+t+a) | MT1 (n,total) | MT2 (n,elastic) >> |



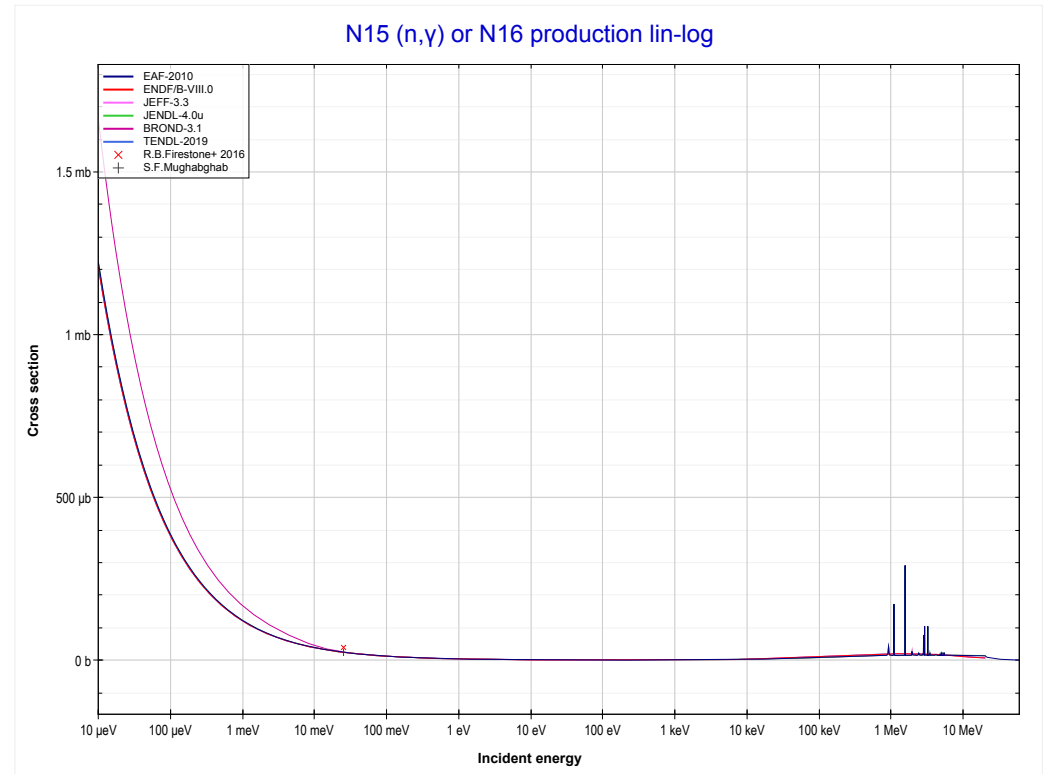
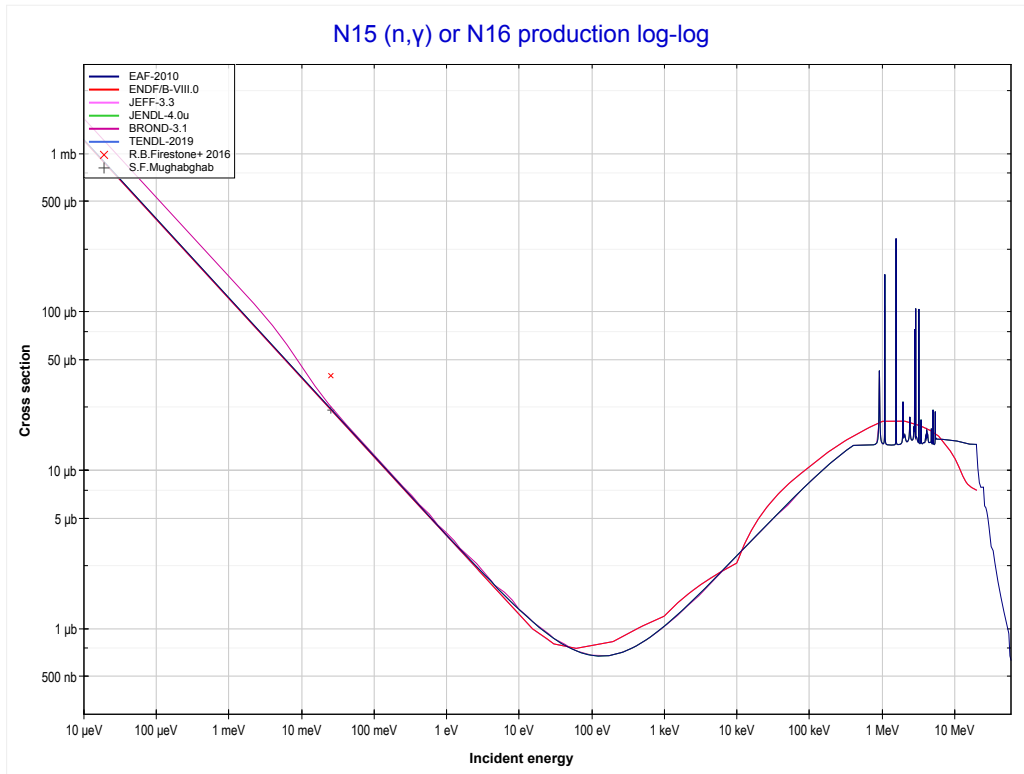
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.56355 b | 4.56355 b | 5.1377 b | 1.12582 | 51.9725 b | 2.61607 b | 1.65 b |
| JEFF-3.3 | 4.56355 b | 4.56355 b | 5.1377 b | 1.12582 | 51.9725 b | 2.61607 b | 1.65 b |
| JENDL-4.0u | 4.74426 b | 4.74426 b | 5.3506 b | 1.12781 | 55.7076 b | 2.69334 b | 1.64332 b |
| BROND-3.1 | 4.72377 b | 4.72377 b | 5.3275 b | 1.12781 | 55.4524 b | 2.62852 b | 1.64332 b |
| TENDL-2019 | 4.56368 b | 4.56368 b | 5.1381 b | 1.12587 | 52.0027 b | 2.61646 b | 1.65 b |

| | | |
|------------------|------------------------|-------------------------|
| << 7-N-14 | 7-N-15 | 8-O-16 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



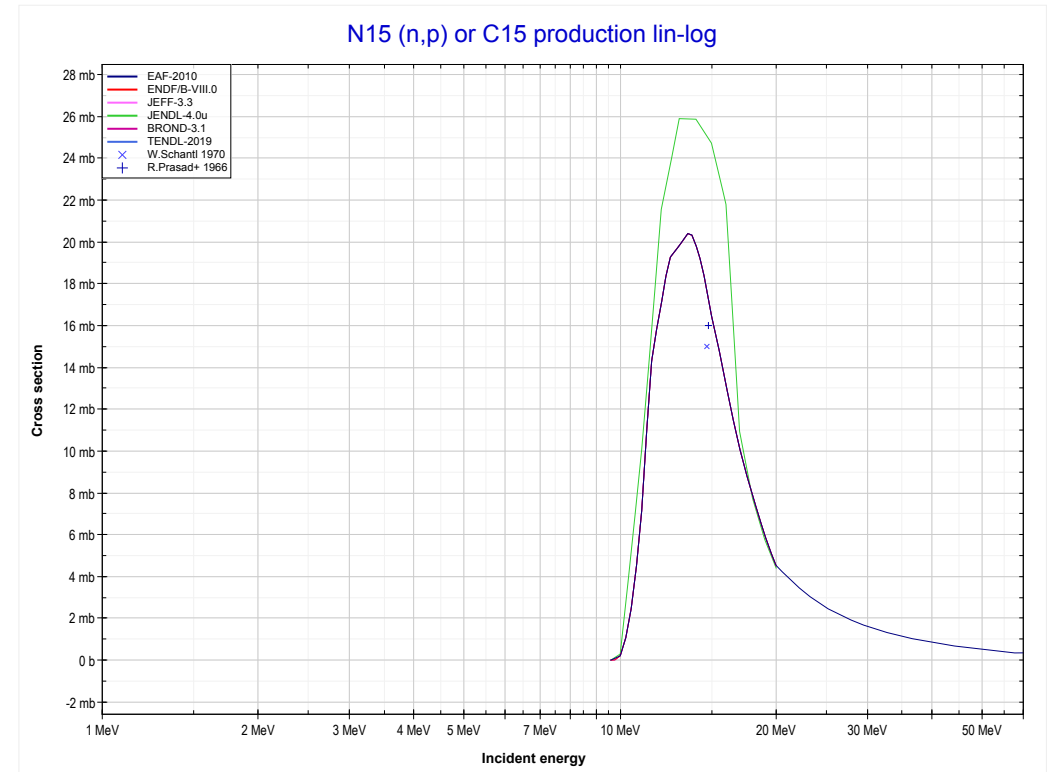
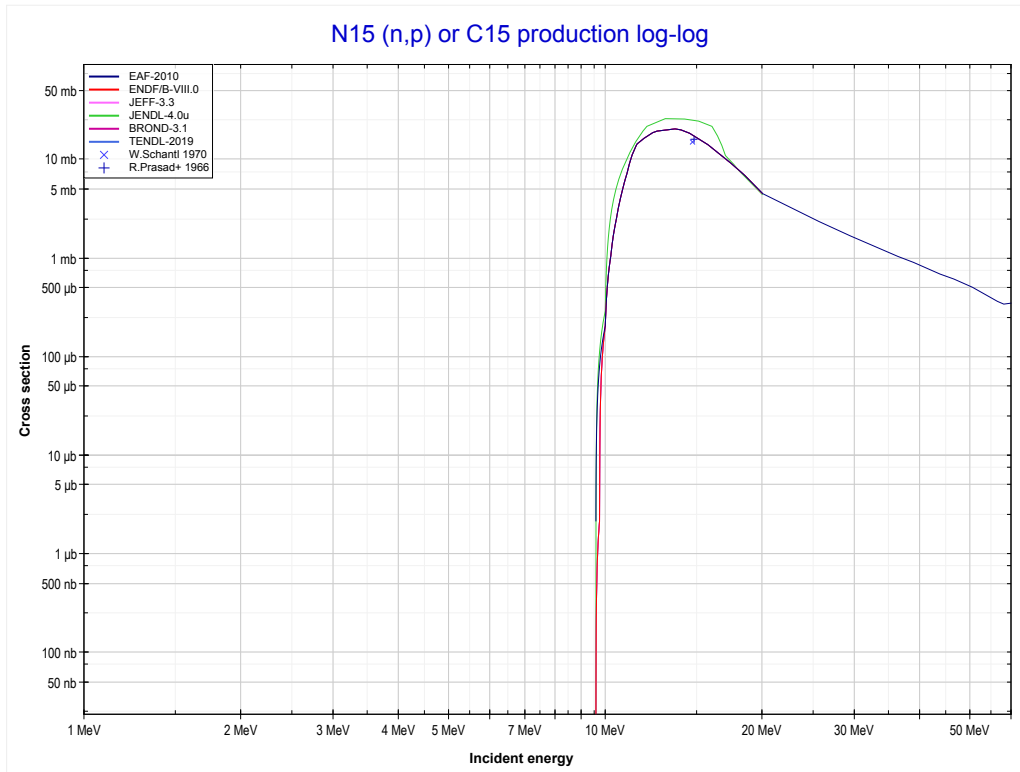
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.56353 b | 4.56353 b | 5.1377 b | 1.12582 | 51.9725 b | 2.60376 b | 0.958539 b |
| JEFF-3.3 | 4.56353 b | 4.56353 b | 5.1377 b | 1.12582 | 51.9725 b | 2.60376 b | 0.958539 b |
| JENDL-4.0u | 4.74423 b | 4.74423 b | 5.3506 b | 1.12781 | 55.7075 b | 2.68618 b | 1.07969 b |
| BROND-3.1 | 4.72374 b | 4.72374 b | 5.3275 b | 1.12781 | 55.4524 b | 2.61622 b | 0.951853 b |
| TENDL-2019 | 4.56364 b | 4.56364 b | 5.138 b | 1.12587 | 52.0027 b | 2.60416 b | 0.958539 b |

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|--------------------|--|----------------|
| << 7-N-14 | 7-N-15 | 8-O-16 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (N16 production) | MT103 (n,p) >> |



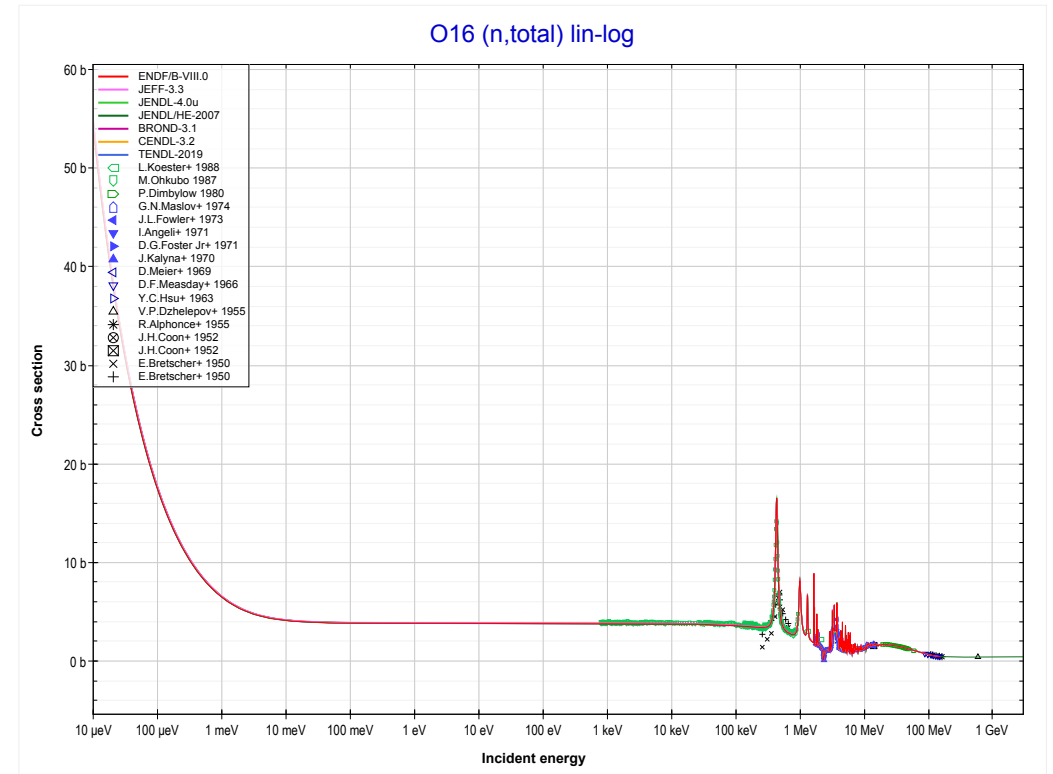
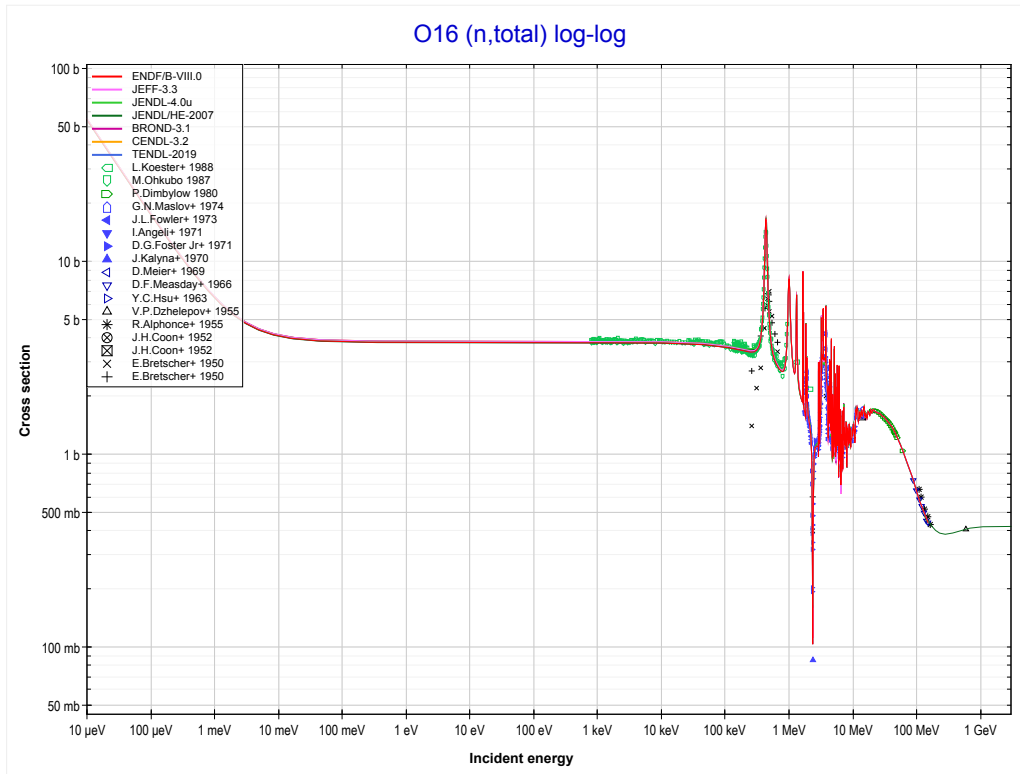
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.43515E-5 b | 2.43349E-5 b | 2.4353E-5 b | 1.00083 | 2.85817E-5 b | 1.58061E-5 b | 1.48273E-5 b |
| ENDF/B-VIII.0 | 2.40184E-5 b | 2.40184E-5 b | 2.4043E-5 b | 1.00101 | 3.21105E-5 b | 1.87453E-5 b | 8.6E-6 b |
| JEFF-3.3 | 2.40184E-5 b | 2.40184E-5 b | 2.4043E-5 b | 1.00101 | 3.21105E-5 b | 1.87453E-5 b | 8.6E-6 b |
| JENDL-4.0u | 2.43515E-5 b | 2.43515E-5 b | 2.4359E-5 b | 1.00032 | 2.85832E-5 b | 1.58091E-5 b | 1.48273E-5 b |
| BROND-3.1 | 2.52227E-5 b | 2.52227E-5 b | 2.6241E-5 b | 1.04036 | 2.86867E-5 b | 1.67137E-5 b | 1.48273E-5 b |
| TENDL-2019 | 2.40097E-5 b | 2.40097E-5 b | 2.4027E-5 b | 1.00074 | 3.21037E-5 b | 1.87459E-5 b | 8.6E-6 b |

| | | |
|-------------------------|--|-------------------------|
| << 7-N-14 | 7-N-15 | 8-O-16 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (C15 production) | 8-O-16 MT1 (n,total) >> |



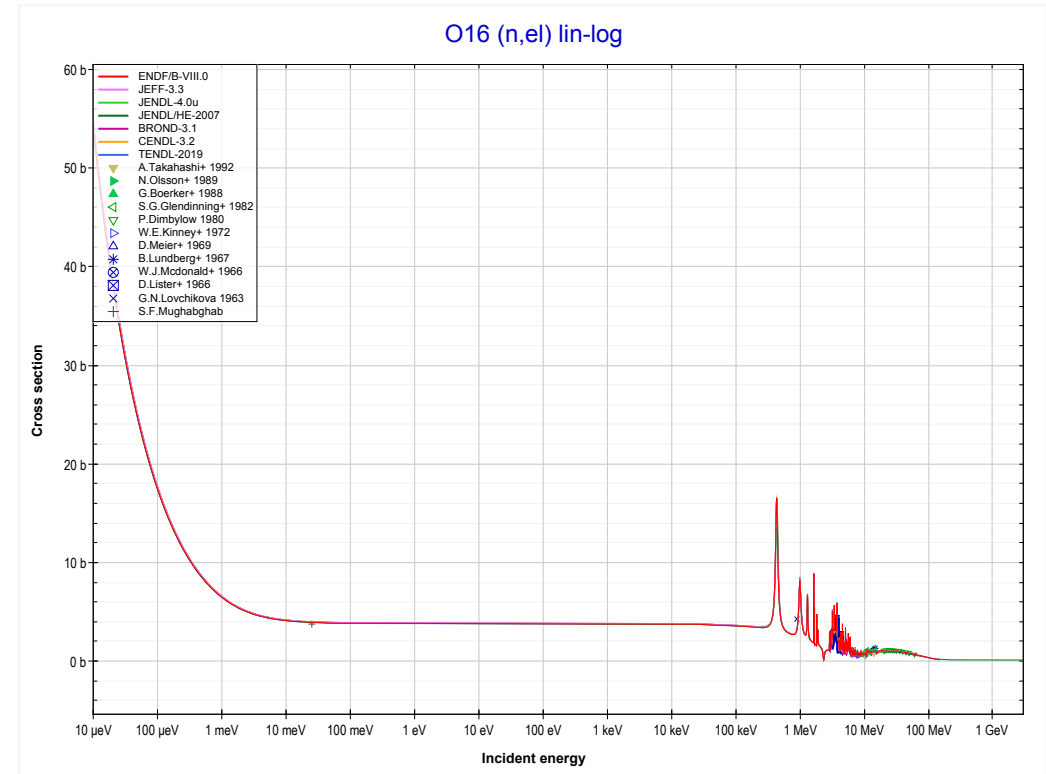
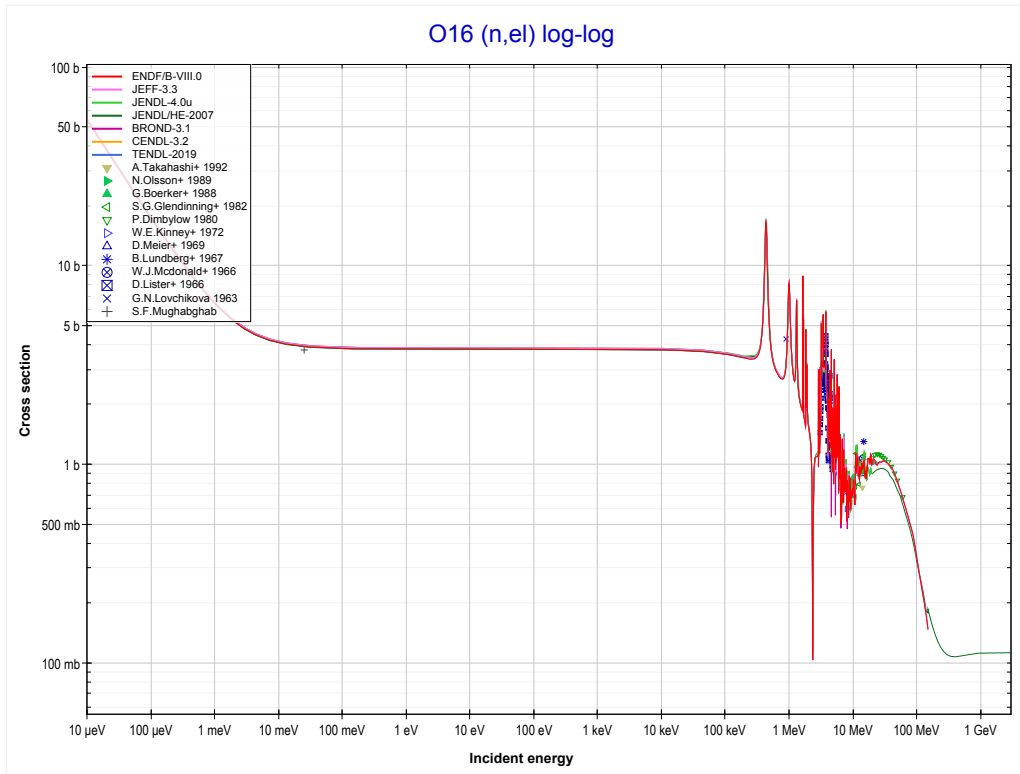
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78508E-5 b | 0.01985 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78269E-5 b | 0.01985 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78269E-5 b | 0.01985 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.37629E-5 b | 0.0258702 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78274E-5 b | 0.01985 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78259E-5 b | 0.01985 b |

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|-----------------------|----------------------|--------------------|
| << 7-N-15 | 8-O-16 | 8-O-18 >> |
| << 7-N-15 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



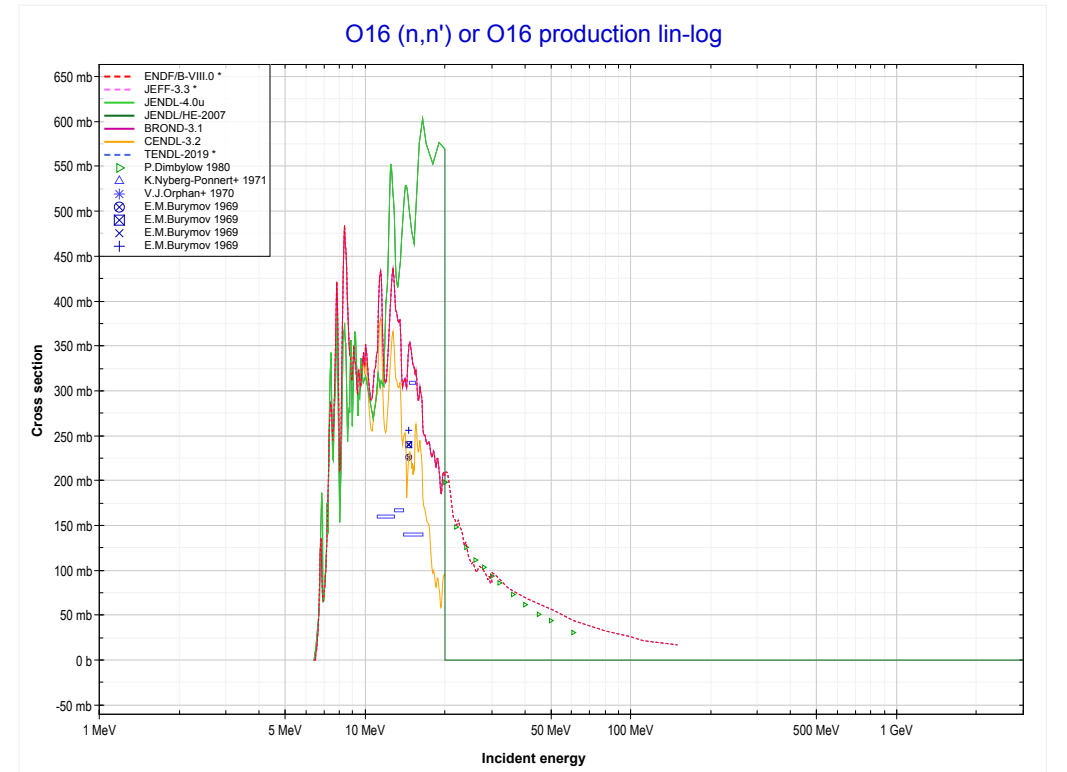
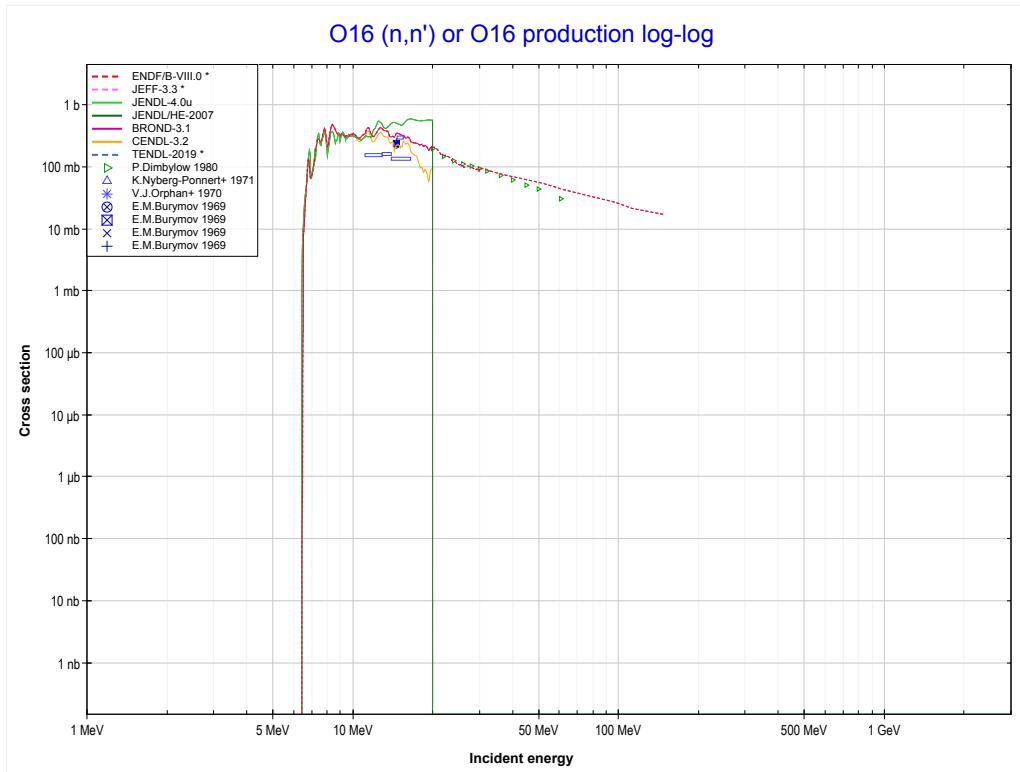
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.9137 b | 3.9137 b | 4.4142 b | 1.12787 | 46.0984 b | 2.77996 b | 1.59208 b |
| JEFF-3.3 | 3.97346 b | 3.97346 b | 4.4816 b | 1.12788 | 46.8092 b | 2.80054 b | 1.59215 b |
| JENDL-4.0u | 3.9621 b | 3.9621 b | 4.4687 b | 1.12787 | 46.6867 b | 2.79381 b | 1.61109 b |
| JENDL/HE-2007 | 3.89938 b | 3.89938 b | 4.3982 b | 1.12792 | 45.983 b | 2.78112 b | 1.61109 b |
| BROND-3.1 | 3.97346 b | 3.97346 b | 4.4816 b | 1.12788 | 46.8092 b | 2.80117 b | 1.59206 b |
| CENDL-3.2 | 3.97349 b | 3.97349 b | 4.4818 b | 1.12792 | 46.8217 b | 2.80066 b | 1.59205 b |
| TENDL-2019 | 3.9137 b | 3.9137 b | 4.4143 b | 1.12792 | 46.1298 b | 2.78021 b | 1.59208 b |

| | | |
|------------------|------------------------|---------------|
| << 7-N-15 | 8-O-16 | 8-O-17 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



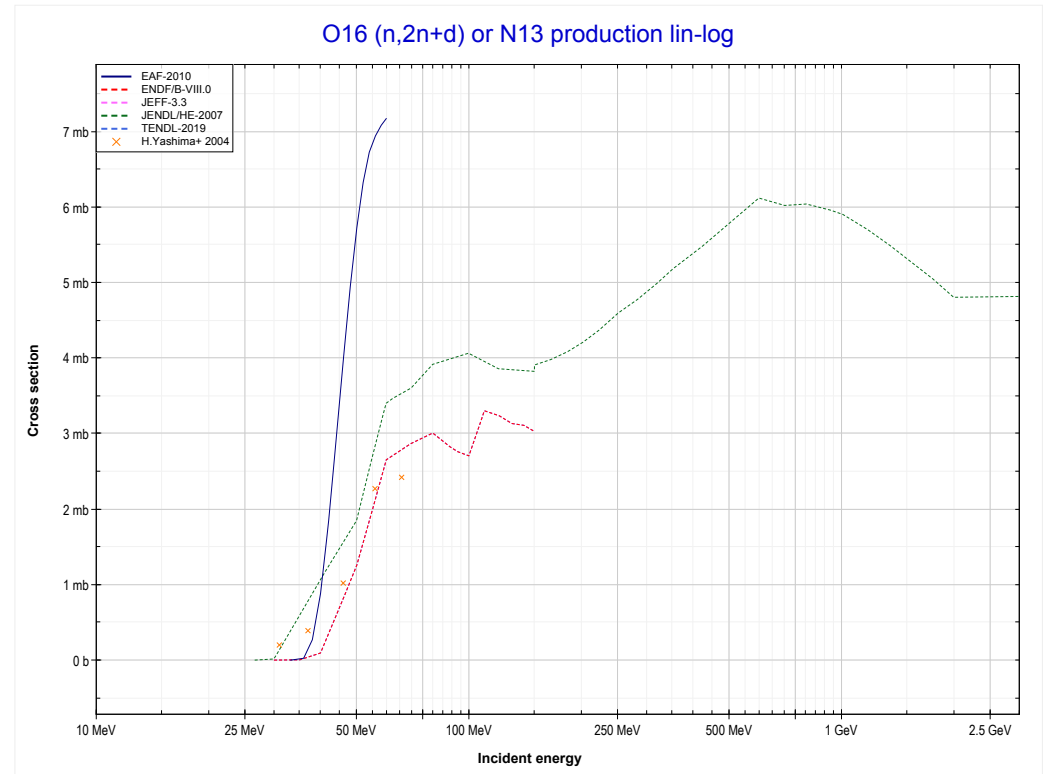
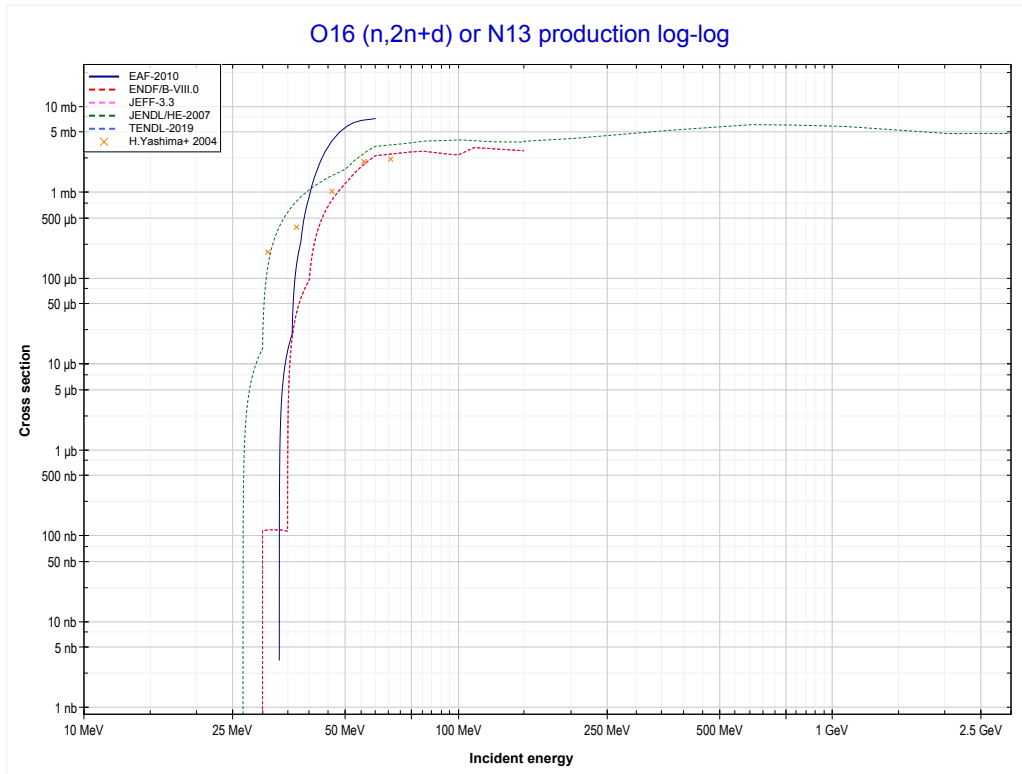
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.91353 b | 3.91353 b | 4.414 b | 1.12788 | 46.0982 b | 2.76255 b | 0.956582 b |
| JEFF-3.3 | 3.97327 b | 3.97327 b | 4.4814 b | 1.12789 | 46.8091 b | 2.78673 b | 0.956586 b |
| JENDL-4.0u | 3.96191 b | 3.96191 b | 4.4686 b | 1.12788 | 46.6866 b | 2.78035 b | 0.897834 b |
| JENDL/HE-2007 | 3.89919 b | 3.89919 b | 4.398 b | 1.12792 | 45.9822 b | 2.76825 b | 0.897834 b |
| BROND-3.1 | 3.97327 b | 3.97327 b | 4.4814 b | 1.12788 | 46.8091 b | 2.78558 b | 0.956586 b |
| CENDL-3.2 | 3.9733 b | 3.9733 b | 4.4816 b | 1.12793 | 46.8397 b | 2.78695 b | 0.956586 b |
| TENDL-2019 | 3.91353 b | 3.91353 b | 4.4142 b | 1.12792 | 46.1291 b | 2.76281 b | 0.956582 b |

| | | |
|--------------------|---|------------------|
| << 7-N-14 | 8-O-16 | 8-O-18 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (O16 production) | MT11 (n,2n+d) >> |



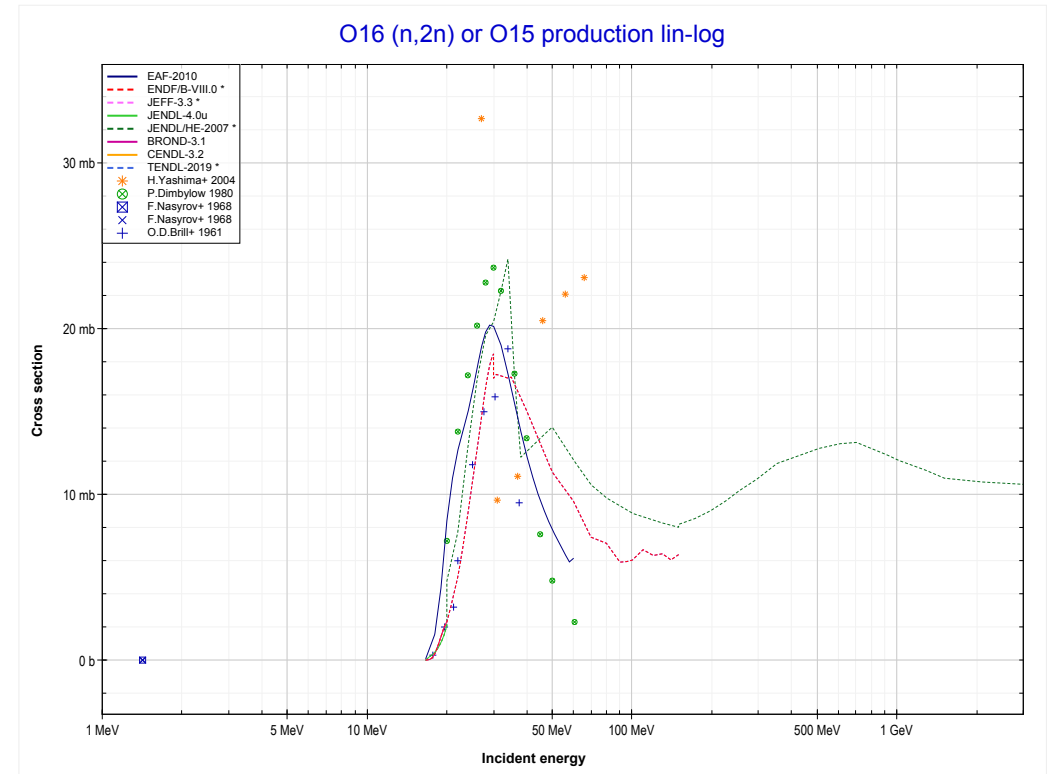
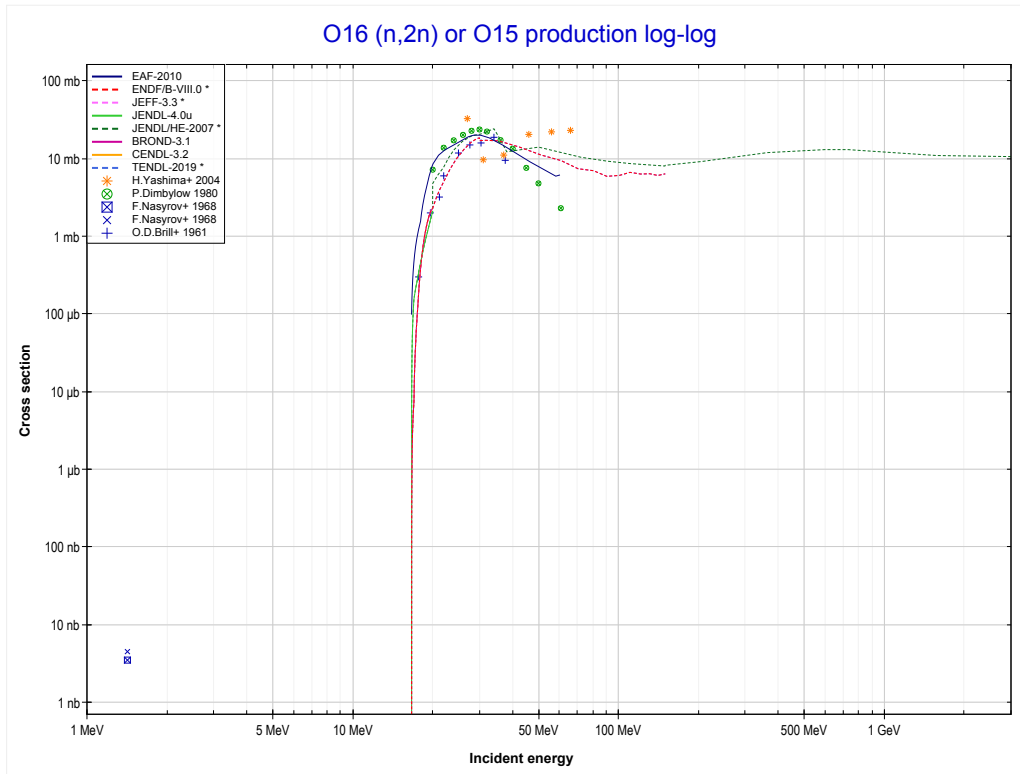
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00492598 b | 0.309569 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00492598 b | 0.309569 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00470436 b | 0.508448 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00470435 b | 0.508448 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00492598 b | 0.309569 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00483467 b | 0.248724 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00492598 b | 0.309569 b |

| | | |
|---------------|--|----------------|
| << 7-N-14 | 8-O-16 | |
| << MT4 (n,n') | MT11 (n,2n+d) or MT5 (N13 production) | MT16 (n,2n) >> |



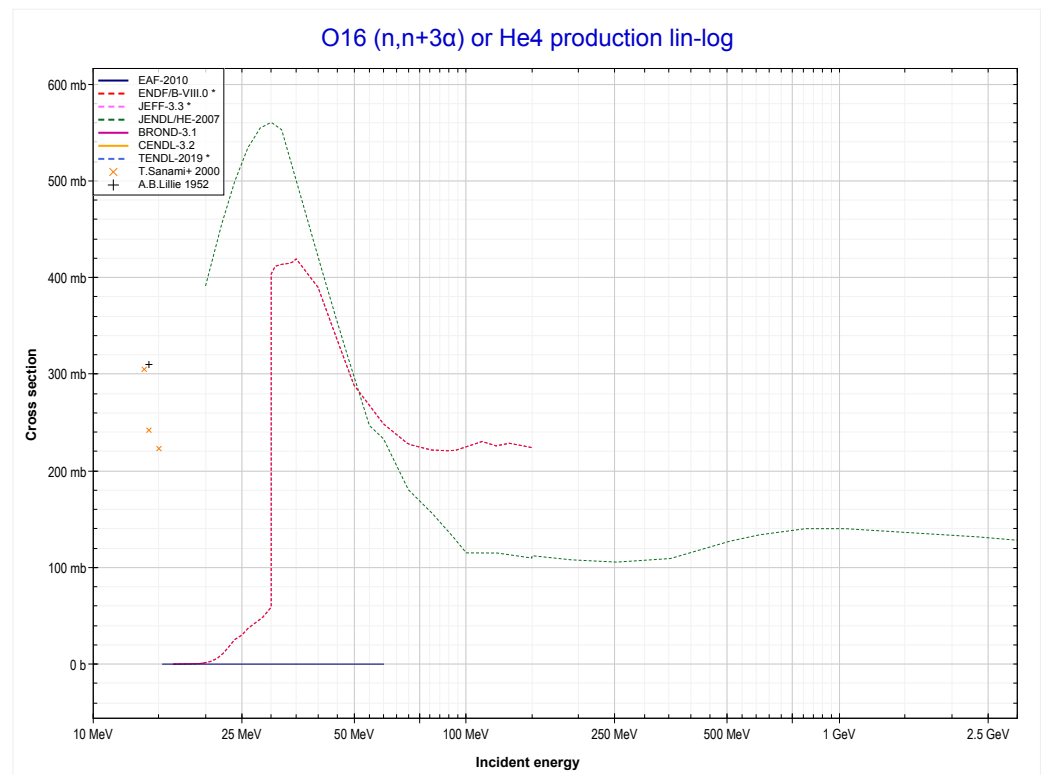
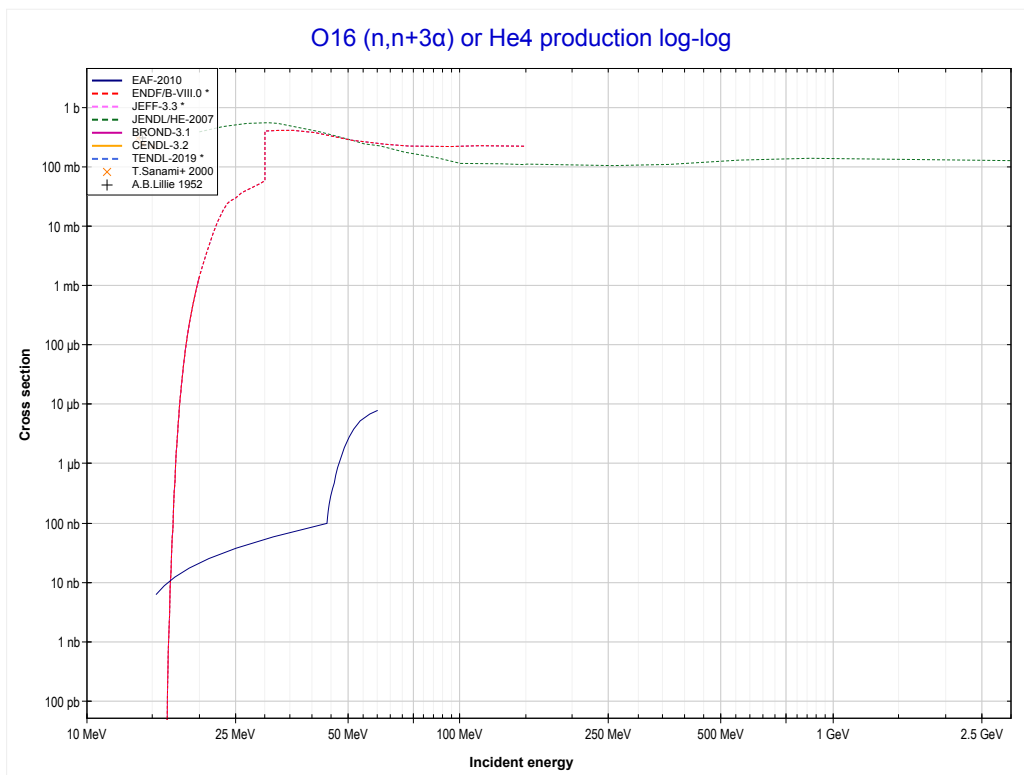
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,n+t)N13 | -25032.29 keV |
| O16(n,2n+d)N13 | -31289.52 keV |
| O16(n,3n+p)N13 | -33514.09 keV |

| | | |
|------------------|--|---------------------------|
| << 7-N-14 | 8-O-16 | 9-F-19 >> |
| << MT11 (n,2n+d) | MT16 (n,2n) or MT5 (O15 production) | MT23 (n,n+3 α) >> |



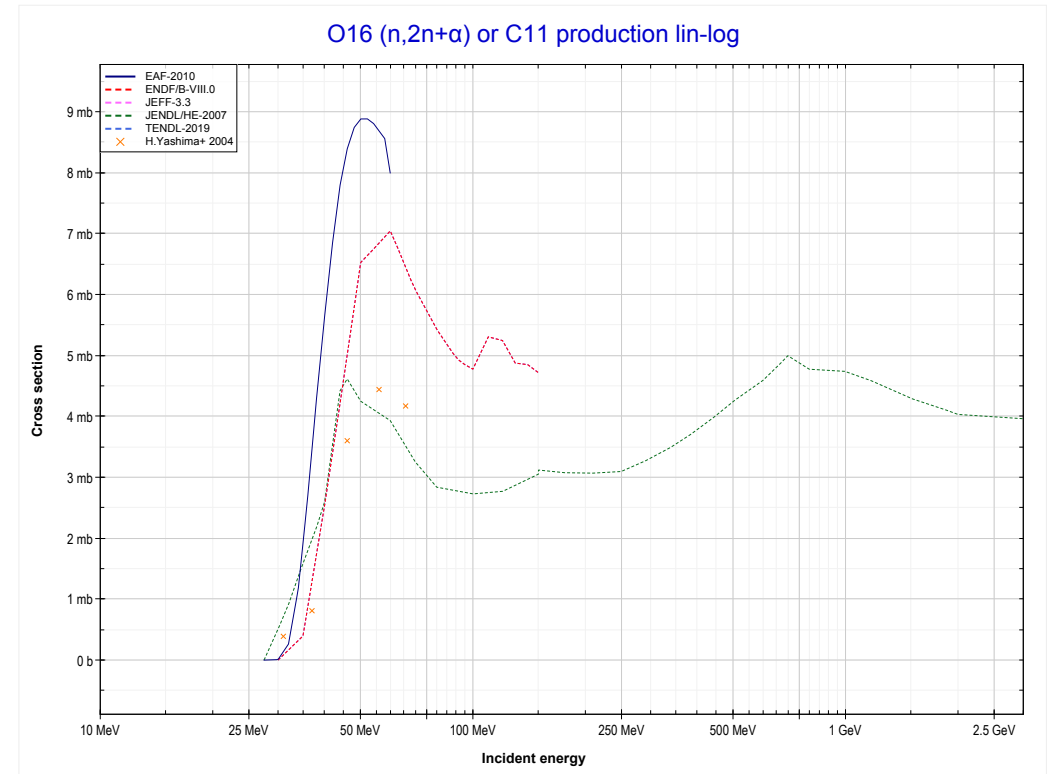
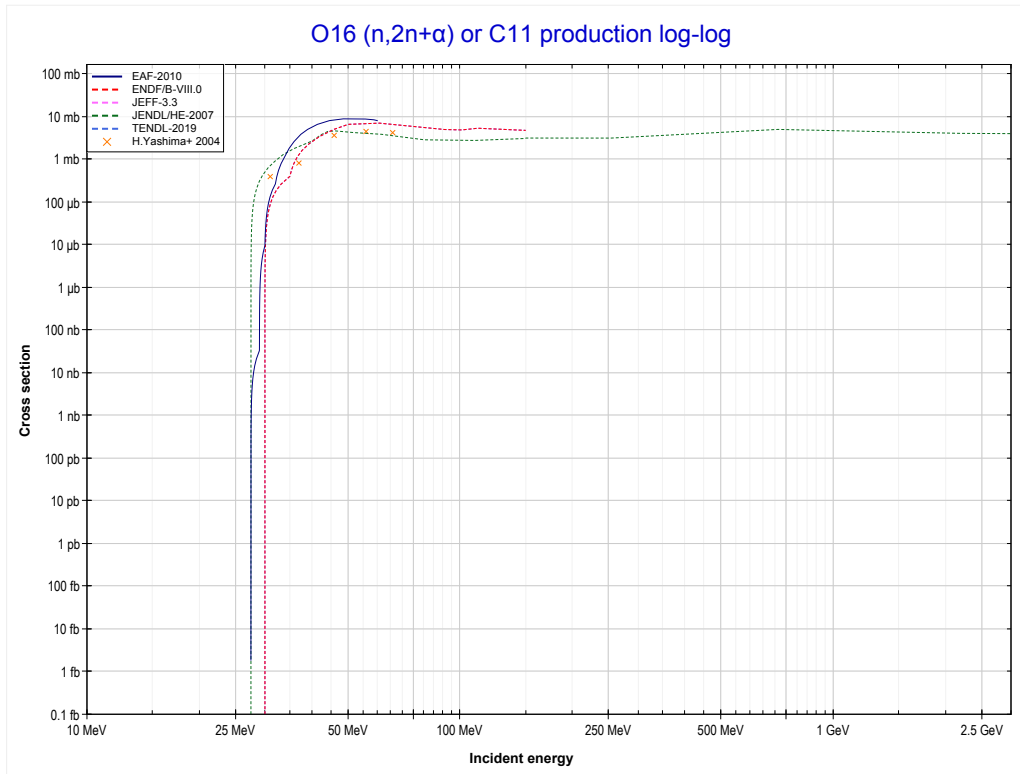
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.78069E-8 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91807E-9 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91807E-9 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.24104E-9 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.23744E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91808E-9 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91309E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91309E-9 b | 0 b |

| | | |
|----------------|--|------------------|
| | 8-O-16 | |
| << MT16 (n,2n) | MT23 (n,n+3α) or MT5 (He4 production) | MT24 (n,2n+α) >> |



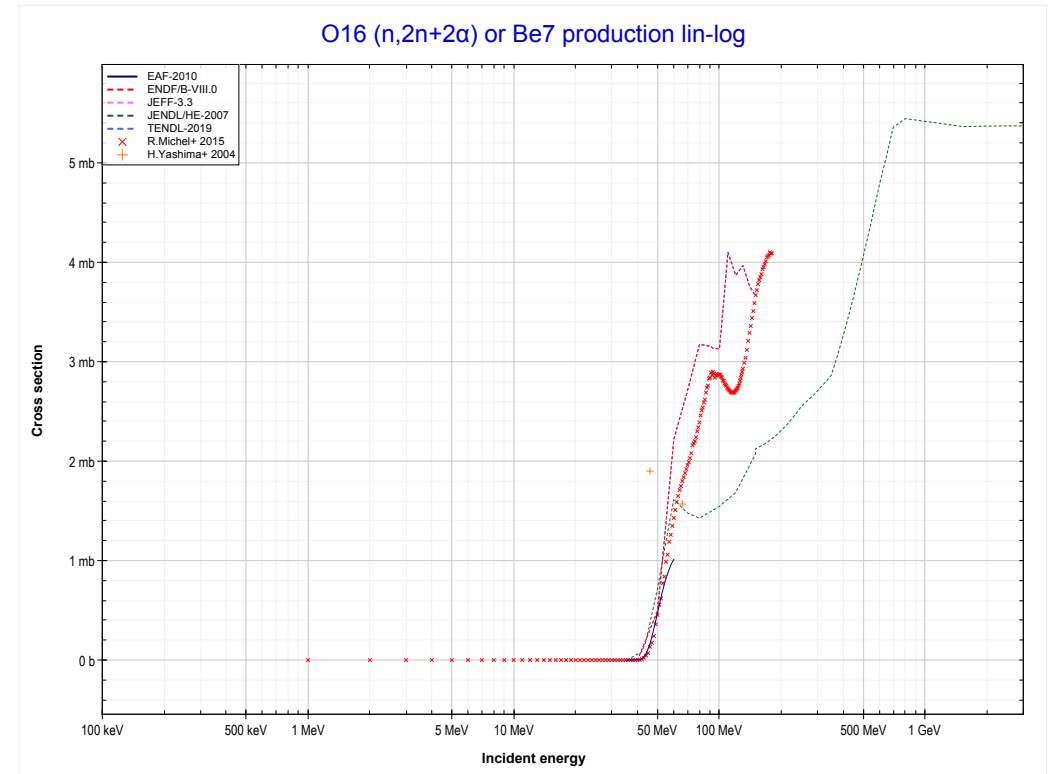
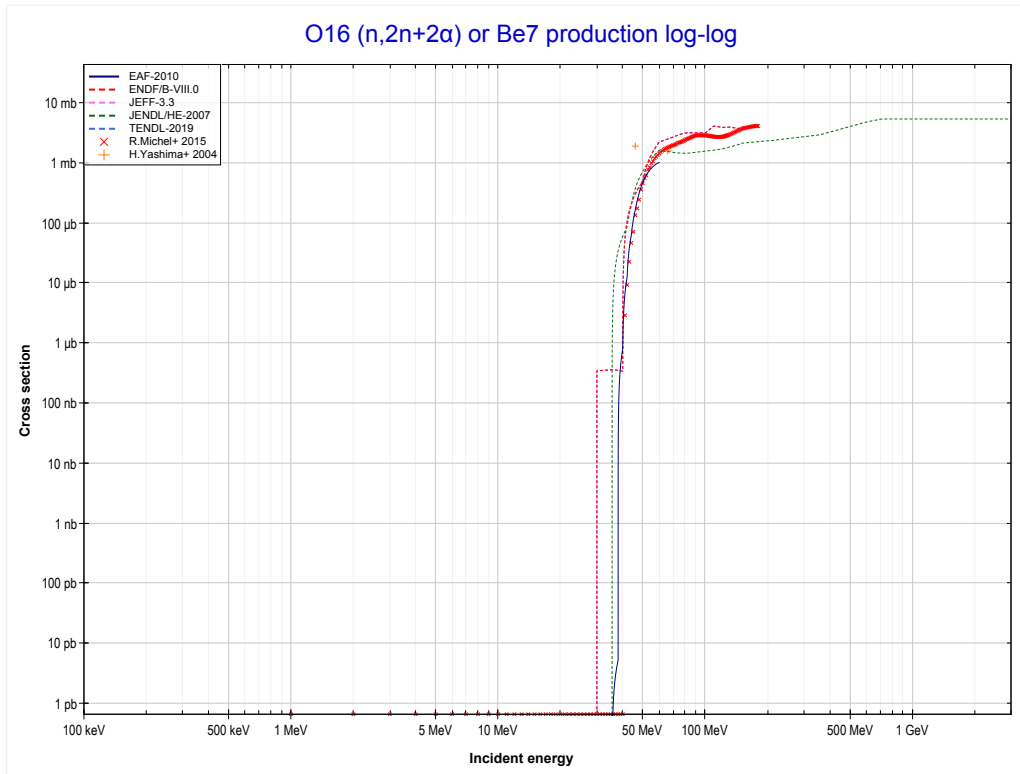
| Reaction | Q-Value | Reaction | Q-Value |
|---------------------|---------------|------------------------|---------------|
| O16(n,n+3α)He4 | -14436.66 keV | O16(n,p+d+2t+α)He4 | -51839.83 keV |
| O16(n,d+t+2α)He4 | -32025.96 keV | O16(n,n+d+t+He3+α)He4 | -52603.58 keV |
| O16(n,n+p+t+2α)He4 | -34250.53 keV | O16(n,n+2p+2t+α)He4 | -54064.39 keV |
| O16(n,2n+He3+2α)He4 | -35014.28 keV | O16(n,2n+p+t+He3+α)He4 | -54828.15 keV |
| O16(n,n+2d+2α)He4 | -38283.19 keV | O16(n,3n+2He3+α)He4 | -55591.90 keV |
| O16(n,2n+p+d+2α)He4 | -40507.76 keV | O16(n,3d+t+α)He4 | -55872.49 keV |
| O16(n,3n+2p+2α)He4 | -42732.32 keV | O16(n,n+p+2d+t+α)He4 | -58097.06 keV |
| O16(n,2t+He3+α)He4 | -46346.35 keV | O16(n,2n+2d+He3+α)He4 | -58860.81 keV |

| | | |
|---------------------------|--|----------------------------|
| << 6-C-12 | 8-O-16 | 13-Al-27 >> |
| << MT23 (n,n+3 α) | MT24 (n,2n+α) or MT5 (C11 production) | MT30 (n,2n+2 α) >> |



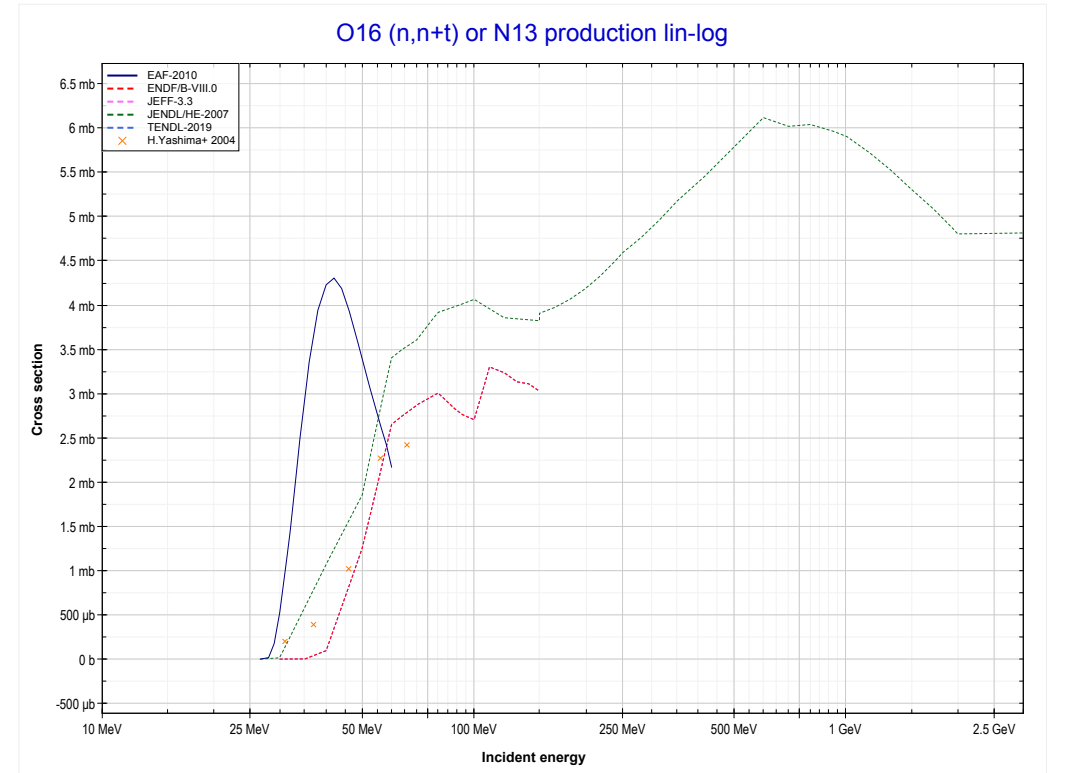
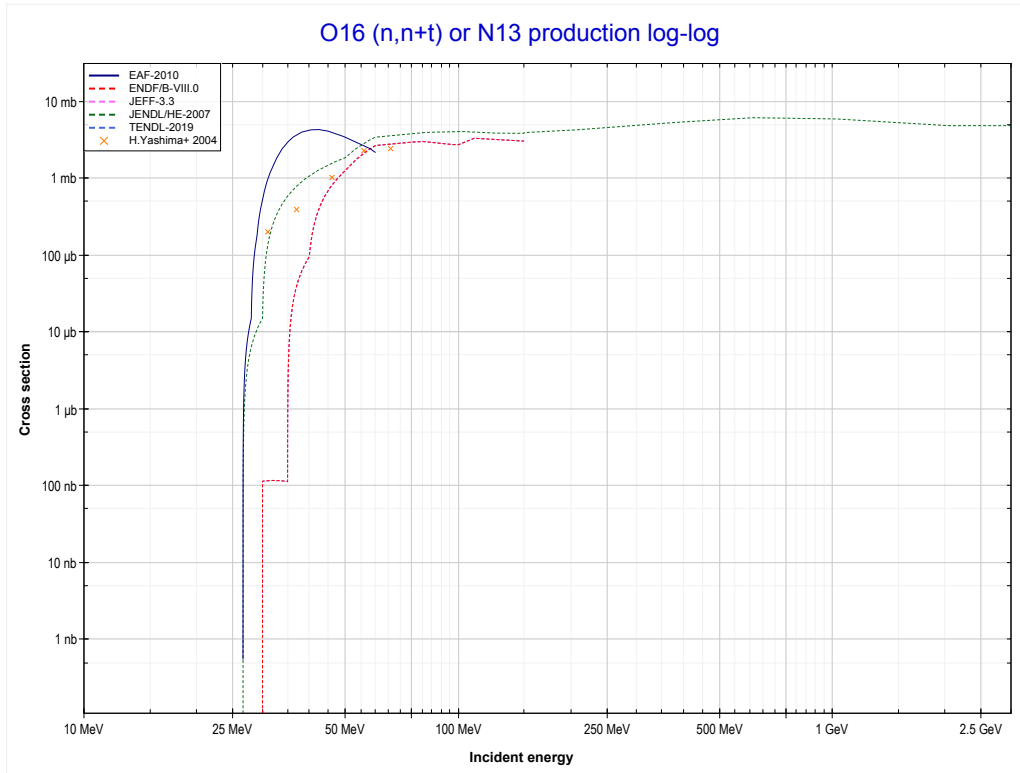
| Reaction | Q-Value |
|-------------------------|---------------|
| O16(n,2n+ α)C11 | -25882.63 keV |
| O16(n,2t)C11 | -37214.70 keV |
| O16(n,n+d+t)C11 | -43471.93 keV |
| O16(n,2n+p+t)C11 | -45696.50 keV |
| O16(n,3n+He3)C11 | -46460.25 keV |
| O16(n,2n+2d)C11 | -49729.16 keV |
| O16(n,3n+p+d)C11 | -51953.73 keV |
| O16(n,4n+2p)C11 | -54178.29 keV |

| | | |
|------------------|---|-----------------|
| << 6-C-12 | 8-O-16 | |
| << MT24 (n,2n+α) | MT30 (n,2n+2α) or MT5 (Be7 production) | MT33 (n,n+t) >> |



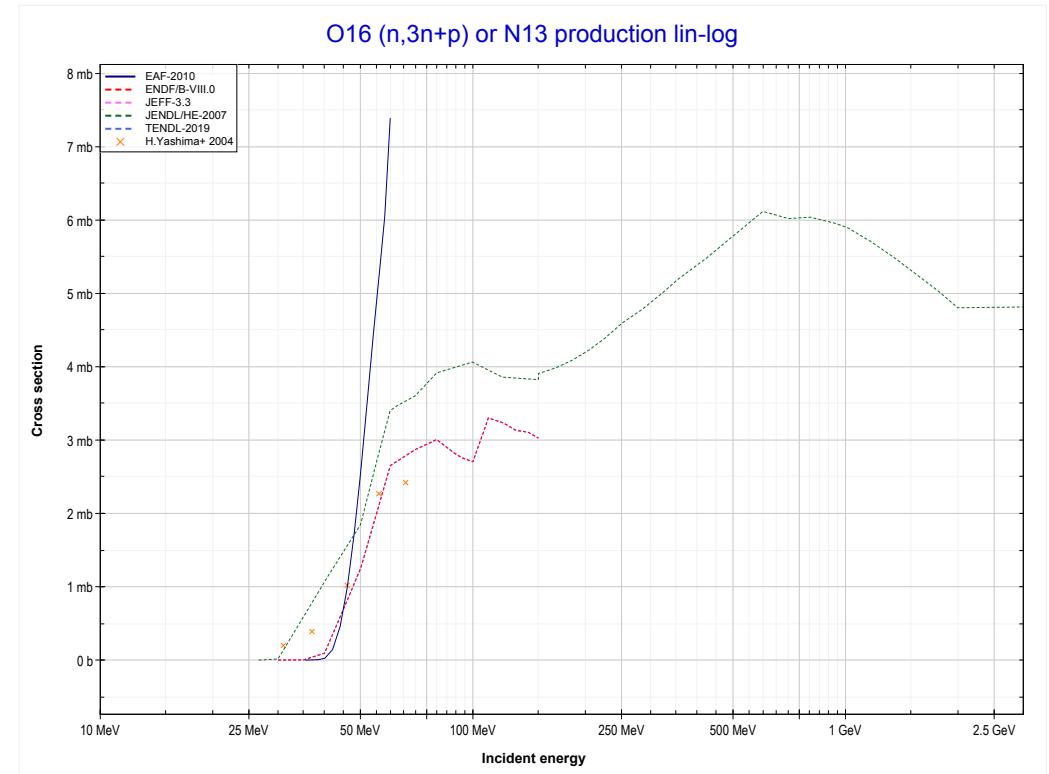
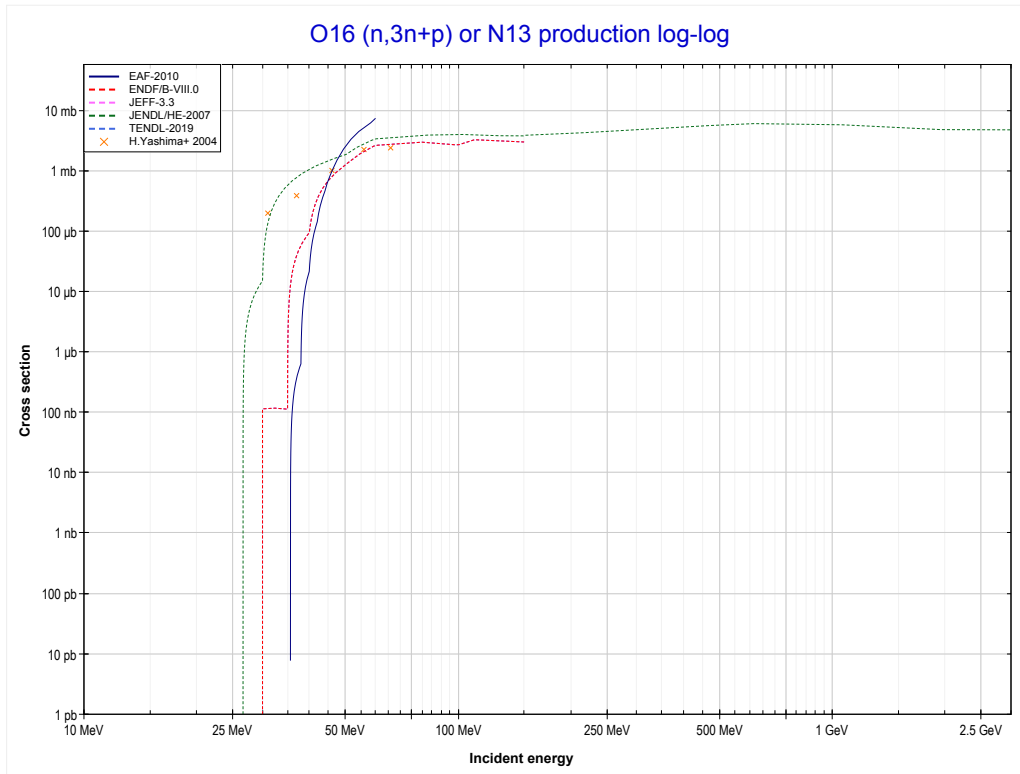
| Reaction | Q-Value | Reaction | Q-Value |
|--------------------|---------------|----------------------|---------------|
| O16(n,2n+2α)Be7 | -33427.15 keV | O16(n,p+3t)Be7 | -64573.08 keV |
| O16(n,2t+α)Be7 | -44759.22 keV | O16(n,n+2t+He3)Be7 | -65336.84 keV |
| O16(n,n+d+t+α)Be7 | -51016.45 keV | O16(n,2d+2t)Be7 | -68605.75 keV |
| O16(n,2n+p+t+α)Be7 | -53241.01 keV | O16(n,n+p+d+2t)Be7 | -70830.31 keV |
| O16(n,3n+He3+α)Be7 | -54004.77 keV | O16(n,2n+d+t+He3)Be7 | -71594.07 keV |
| O16(n,2n+2d+α)Be7 | -57273.68 keV | O16(n,2n+2p+2t)Be7 | -73054.88 keV |
| O16(n,3n+p+d+α)Be7 | -59498.24 keV | O16(n,3n+p+t+He3)Be7 | -73818.63 keV |
| O16(n,4n+2p+α)Be7 | -61722.81 keV | O16(n,4n+2He3)Be7 | -74582.39 keV |

| | | |
|-------------------|---|------------------|
| << 7-N-14 | 8-O-16 | |
| << MT30 (n,2n+2α) | MT33 (n,n+t) or MT5 (N13 production) | MT42 (n,3n+p) >> |



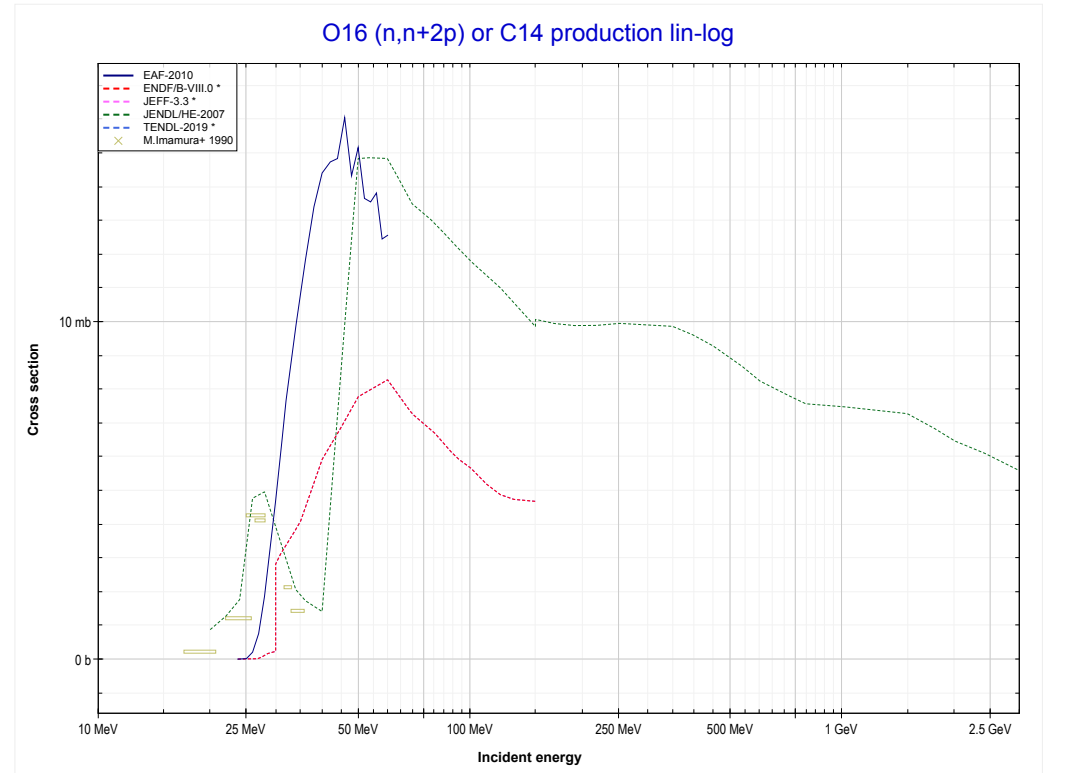
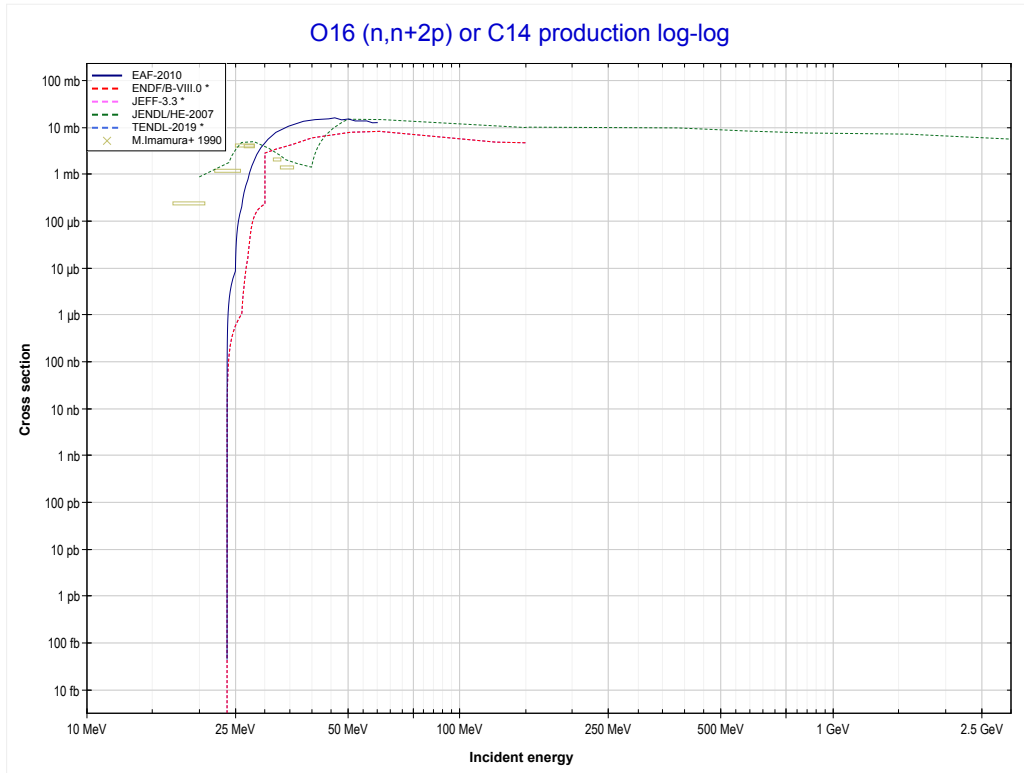
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,n+t)N13 | -25032.29 keV |
| O16(n,2n+d)N13 | -31289.52 keV |
| O16(n,3n+p)N13 | -33514.09 keV |

| | | |
|-----------------|--|------------------|
| << 7-N-14 | 8-O-16 | |
| << MT33 (n,n+t) | MT42 (n,3n+p) or MT5 (N13 production) | MT44 (n,n+2p) >> |



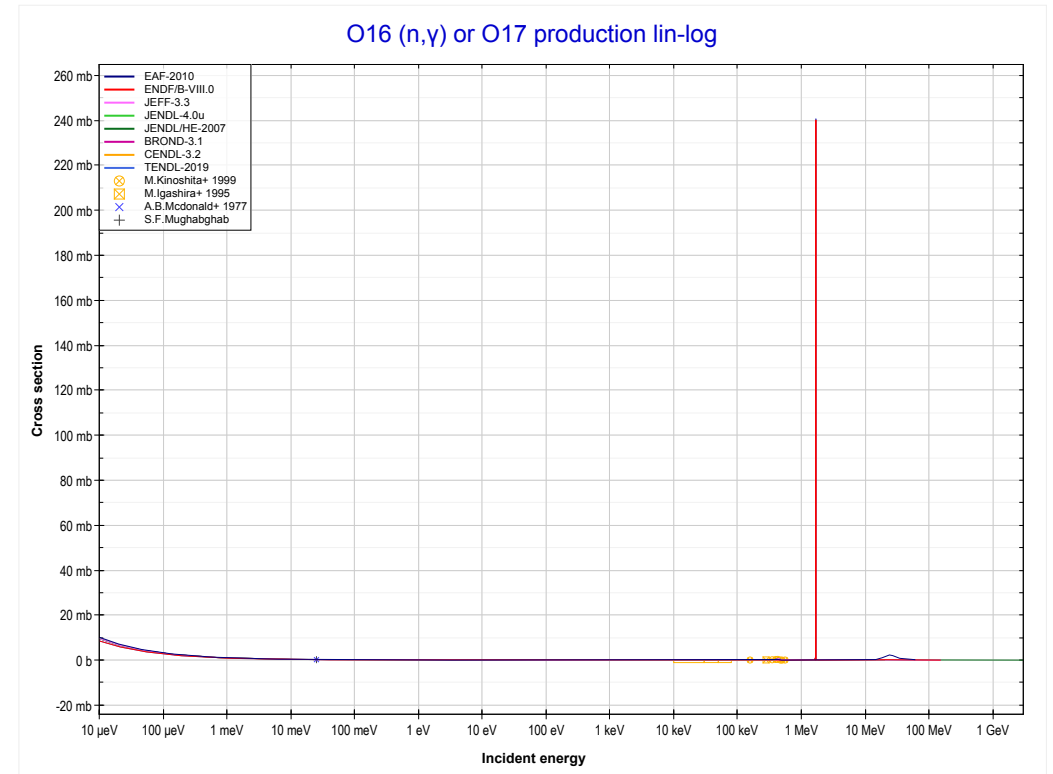
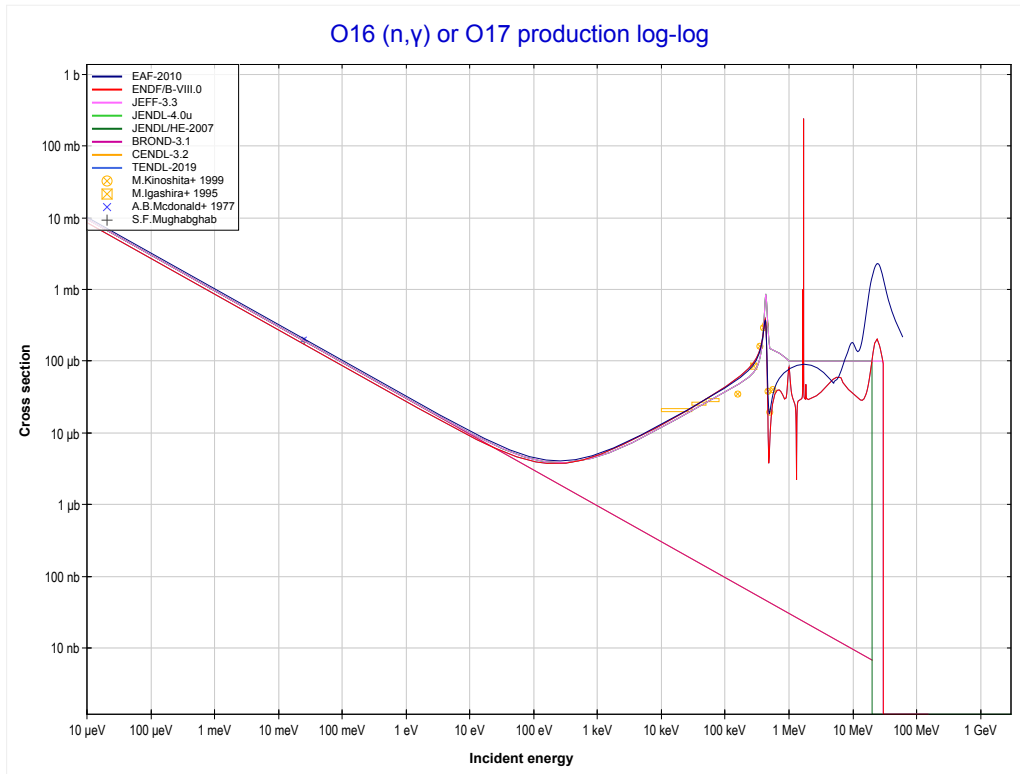
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,n+t)N13 | -25032.29 keV |
| O16(n,2n+d)N13 | -31289.52 keV |
| O16(n,3n+p)N13 | -33514.09 keV |

| | | |
|------------------|--|-------------------------|
| | 8-O-16 | 15-P-31 >> |
| << MT42 (n,3n+p) | MT44 (n,n+2p) or MT5 (C14 production) | MT102 (n, γ) >> |



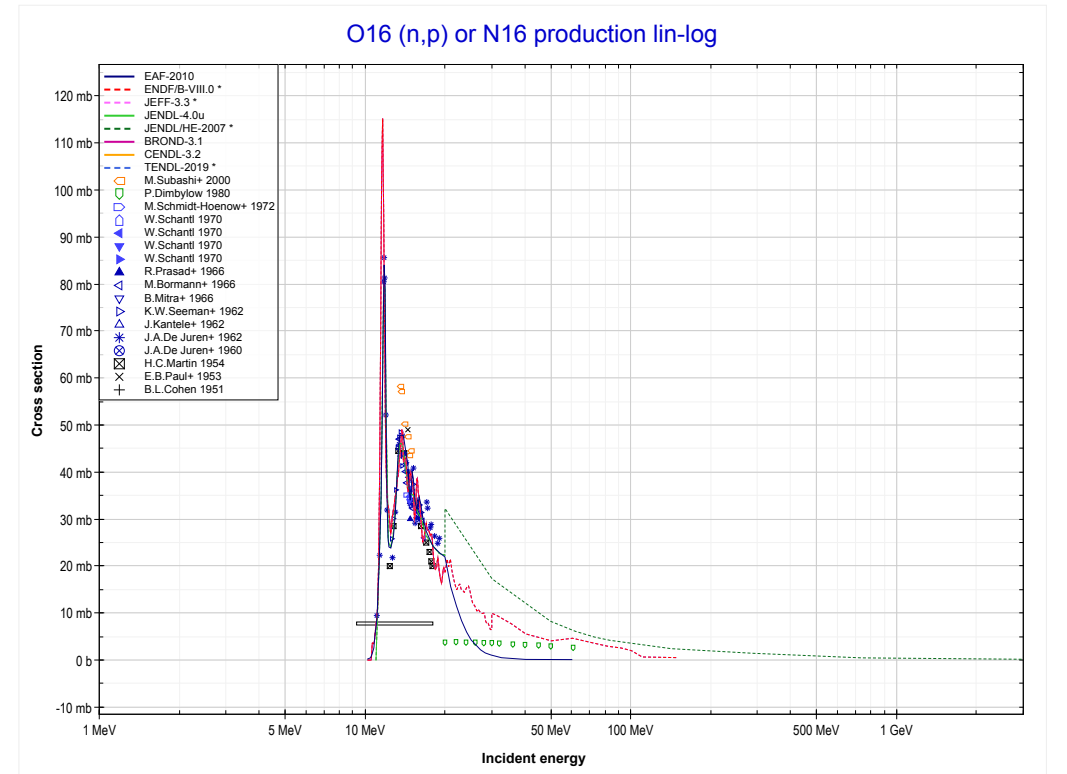
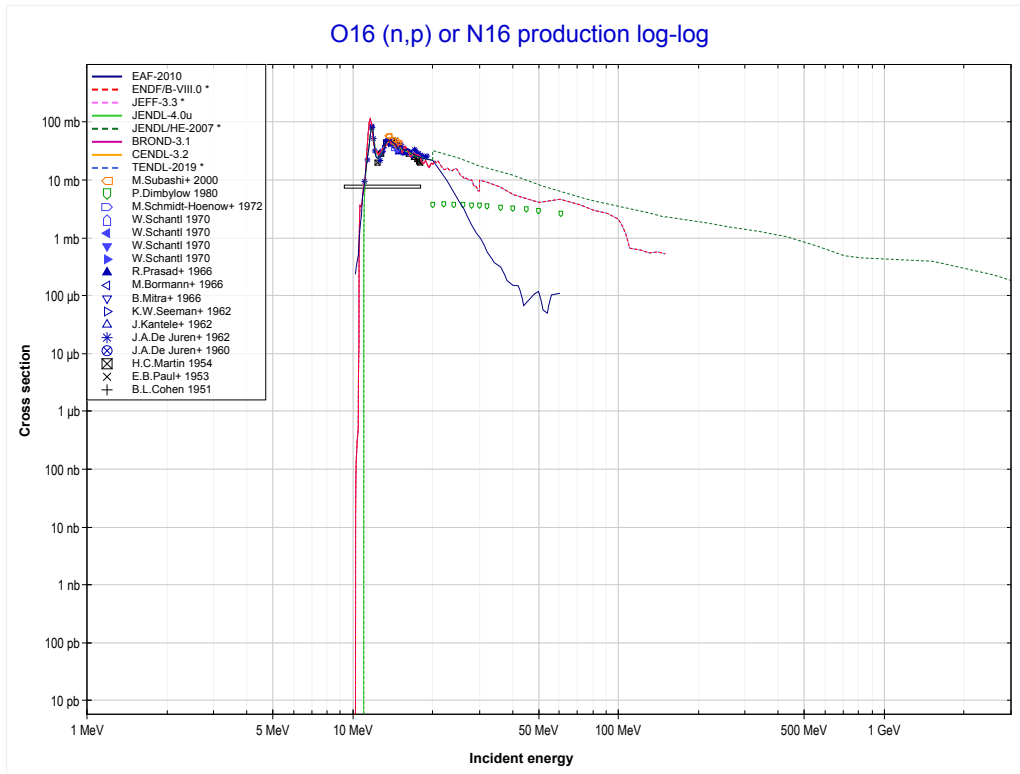
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,He3)C14 | -14616.80 keV |
| O16(n,p+d)C14 | -20110.27 keV |
| O16(n,n+2p)C14 | -22334.84 keV |

| | | |
|------------------|--|----------------|
| << 7-N-15 | 8-O-16 | 8-O-17 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (O17 production) | MT103 (n,p) >> |



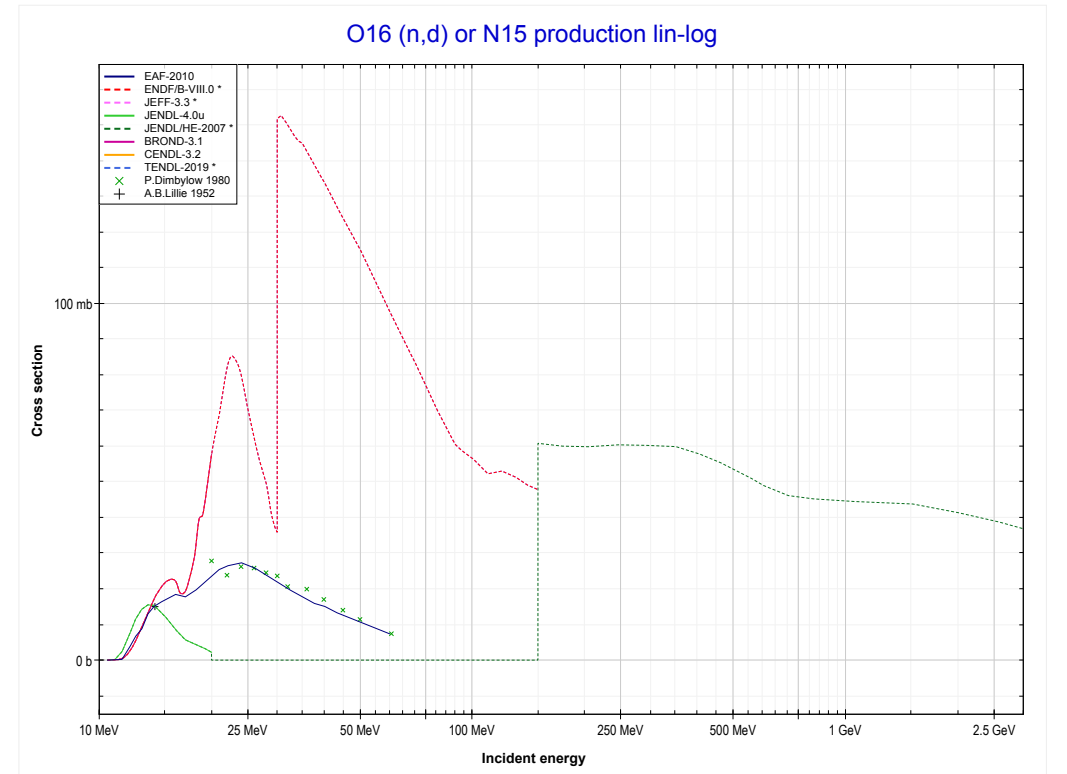
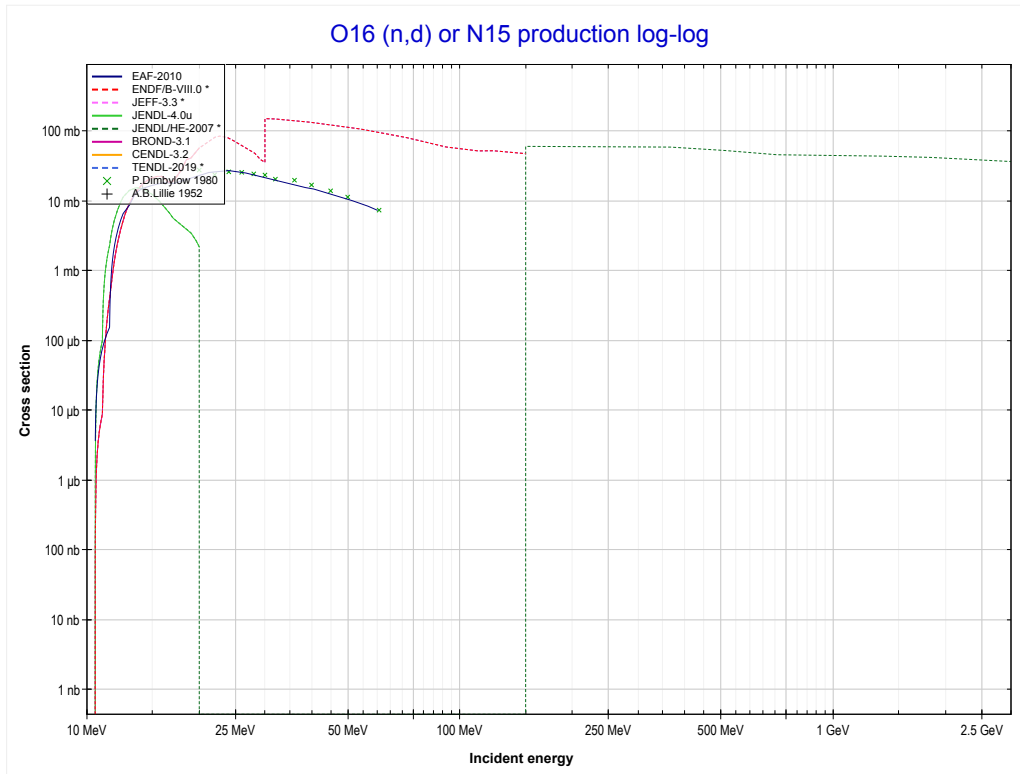
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.0202E-4 b | 2.01869E-4 b | 2.019E-4 b | 1.00014 | 1.72393E-4 b | 8.03733E-5 b | 1.97616E-4 b |
| ENDF/B-VIII.0 | 1.69912E-4 b | 1.69912E-4 b | 1.6998E-4 b | 1.00042 | 1.58292E-4 b | 6.96272E-5 b | 2.8349E-5 b |
| JEFF-3.3 | 1.90047E-4 b | 1.90047E-4 b | 1.9009E-4 b | 1.00023 | 1.59168E-4 b | 1.14058E-4 b | 1E-4 b |
| JENDL-4.0u | 1.89935E-4 b | 1.89935E-4 b | 1.9E-4 b | 1.00035 | 1.59158E-4 b | 1.14064E-4 b | 1E-4 b |
| JENDL/HE-2007 | 1.89866E-4 b | 1.89866E-4 b | 1.8988E-4 b | 1.00009 | 1.58959E-4 b | 1.14057E-4 b | 1E-4 b |
| BROND-3.1 | 1.90075E-4 b | 1.90075E-4 b | 1.9014E-4 b | 1.00032 | 8.54815E-5 b | 2.93471E-8 b | 8.08301E-9 b |
| CENDL-3.2 | 1.9E-4 b | 1.9E-4 b | 1.9001E-4 b | 1.00006 | 8.53233E-5 b | 2.93472E-8 b | 8.0773E-9 b |
| TENDL-2019 | 1.69842E-4 b | 1.69842E-4 b | 1.6988E-4 b | 1.00023 | 1.58164E-4 b | 6.96365E-5 b | 2.8349E-5 b |

| | | |
|-------------------------|--|----------------|
| << 7-N-15 | 8-O-16 | 8-O-17 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (N16 production) | MT104 (n,d) >> |



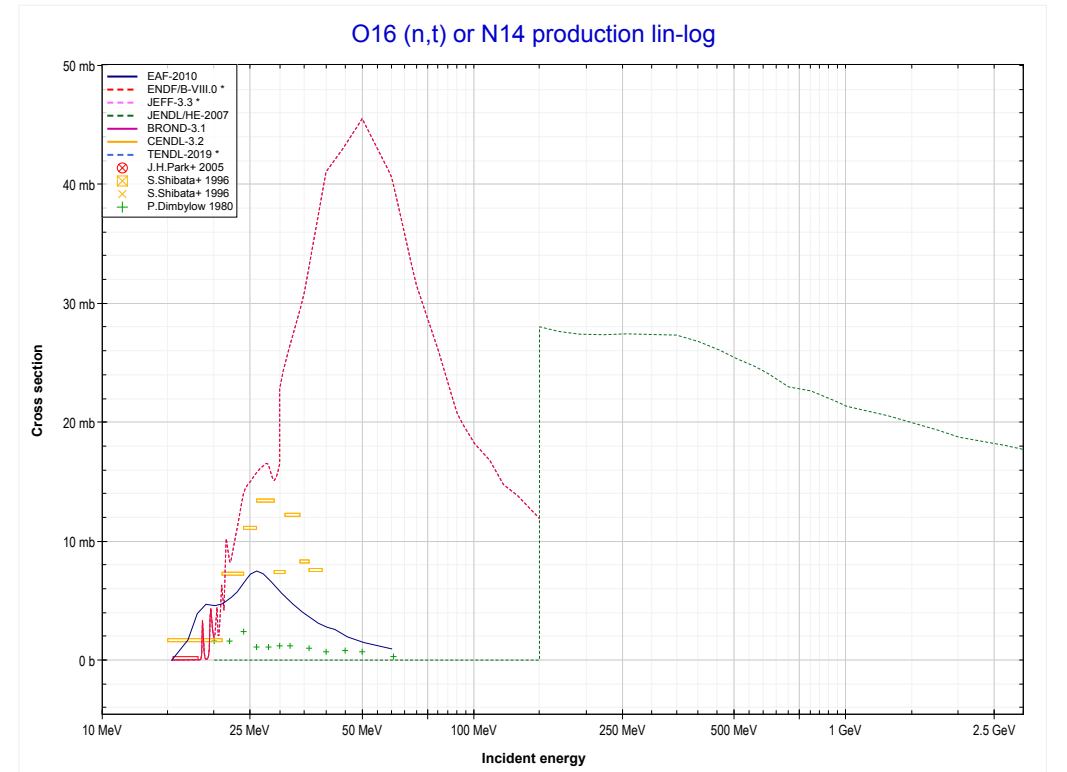
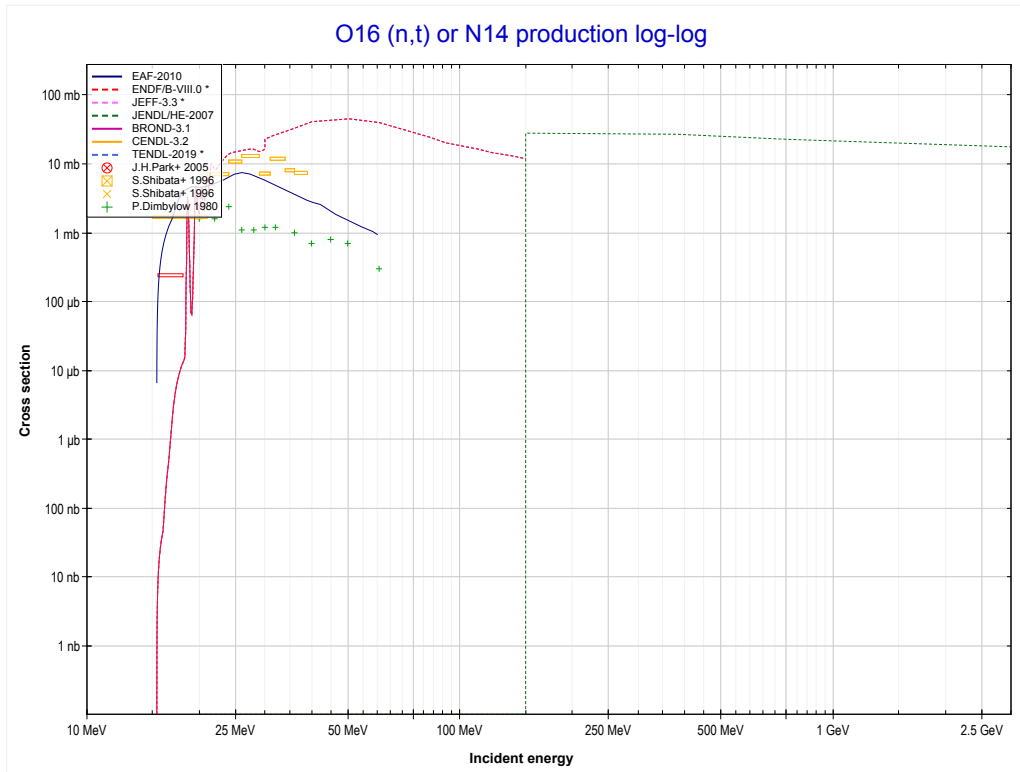
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.62474E-5 b | 0.047124 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47233E-5 b | 0.0421218 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47233E-5 b | 0.0421218 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.45607E-5 b | 0.0437 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.45572E-5 b | 0.0437 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47233E-5 b | 0.0421218 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47223E-5 b | 0.0421218 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47222E-5 b | 0.0421218 b |

| | | |
|----------------|--|----------------|
| << 7-N-14 | 8-O-16 | 8-O-17 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (N15 production) | MT105 (n,t) >> |



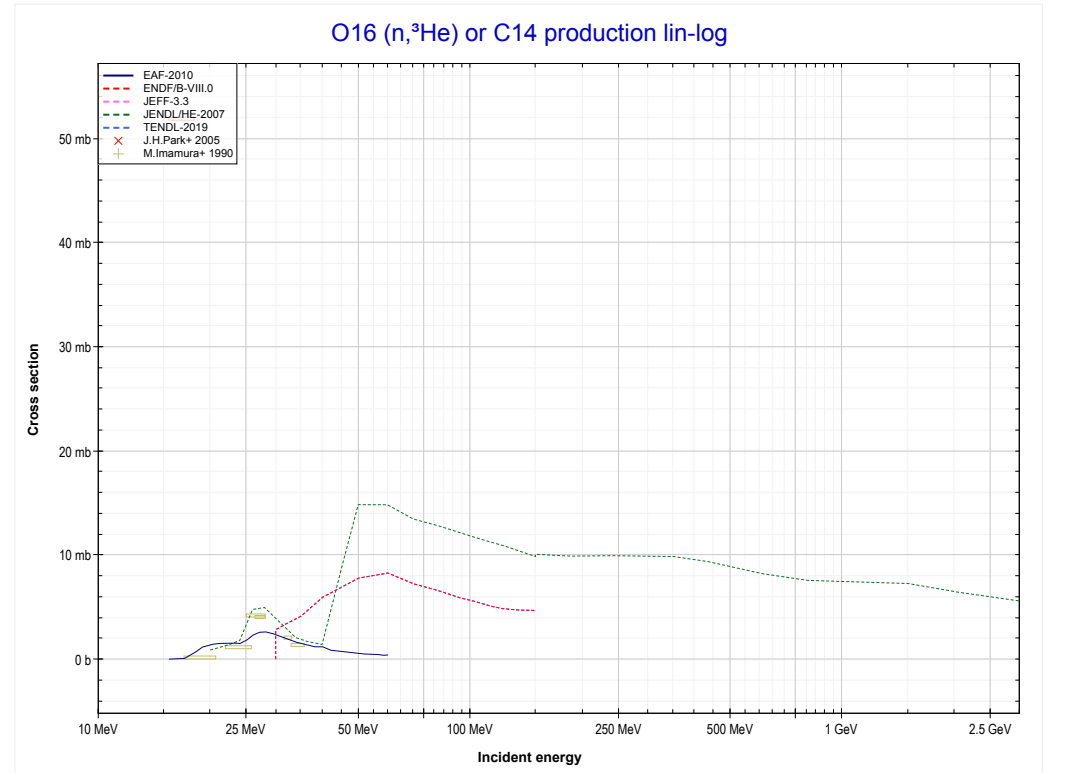
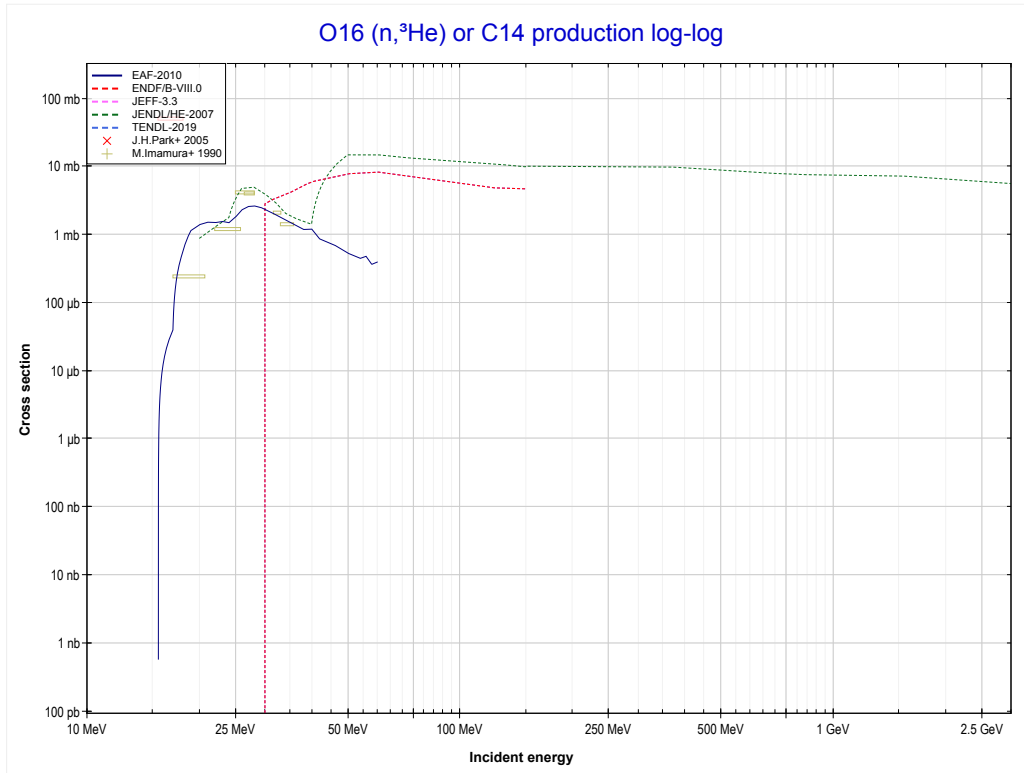
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.30701E-6 b | 0.0149834 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55232E-6 b | 0.01694 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55232E-6 b | 0.01694 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.02822E-6 b | 0.0154 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.0273E-6 b | 0.0154 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55231E-6 b | 0.01694 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55148E-6 b | 0.01694 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55148E-6 b | 0.01694 b |

| | | |
|----------------|--|-------------------------------|
| << 7-N-14 | 8-O-16 | 8-O-17 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (N14 production) | MT106 (n, ³ He) >> |



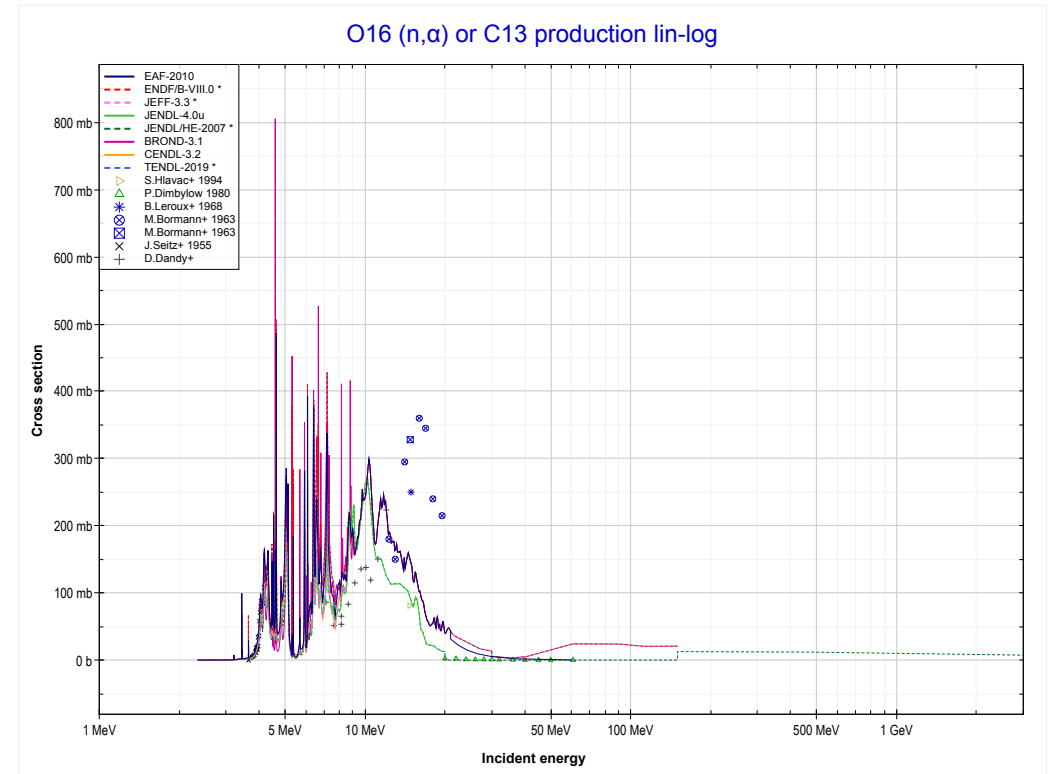
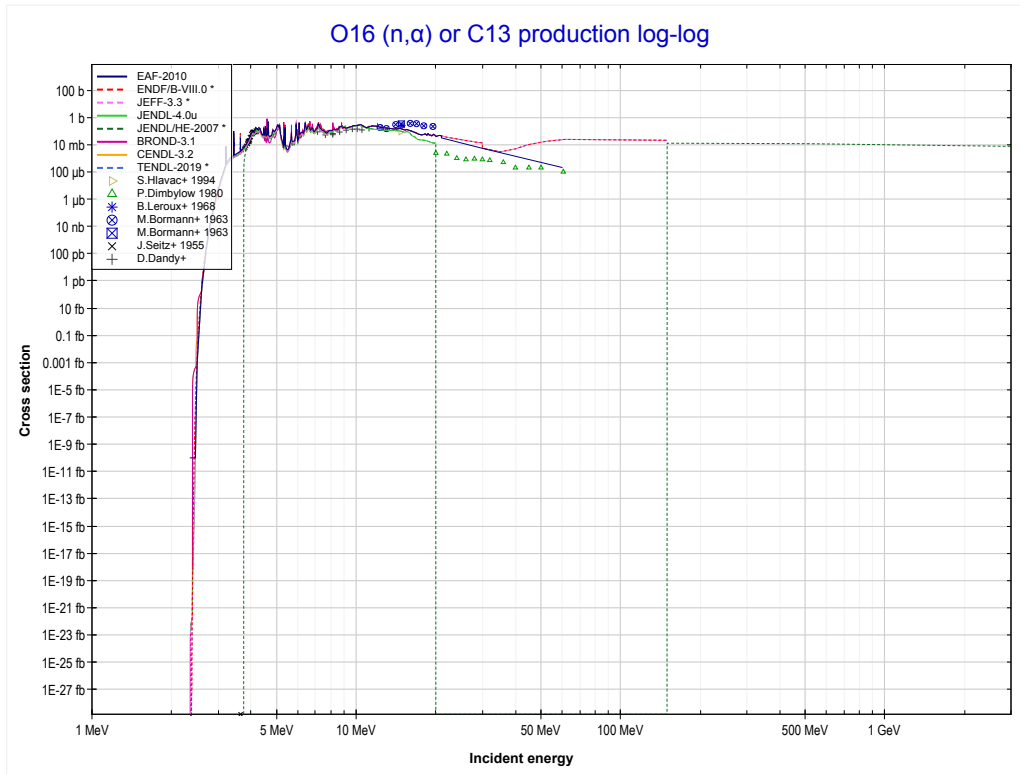
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,t)N14 | -14478.91 keV |
| O16(n,n+d)N14 | -20736.14 keV |
| O16(n,2n+p)N14 | -22960.71 keV |

| | | |
|----------------|---|----------------|
| | 8-O-16 | 12-Mg-26 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (C14 production) | MT107 (n,α) >> |



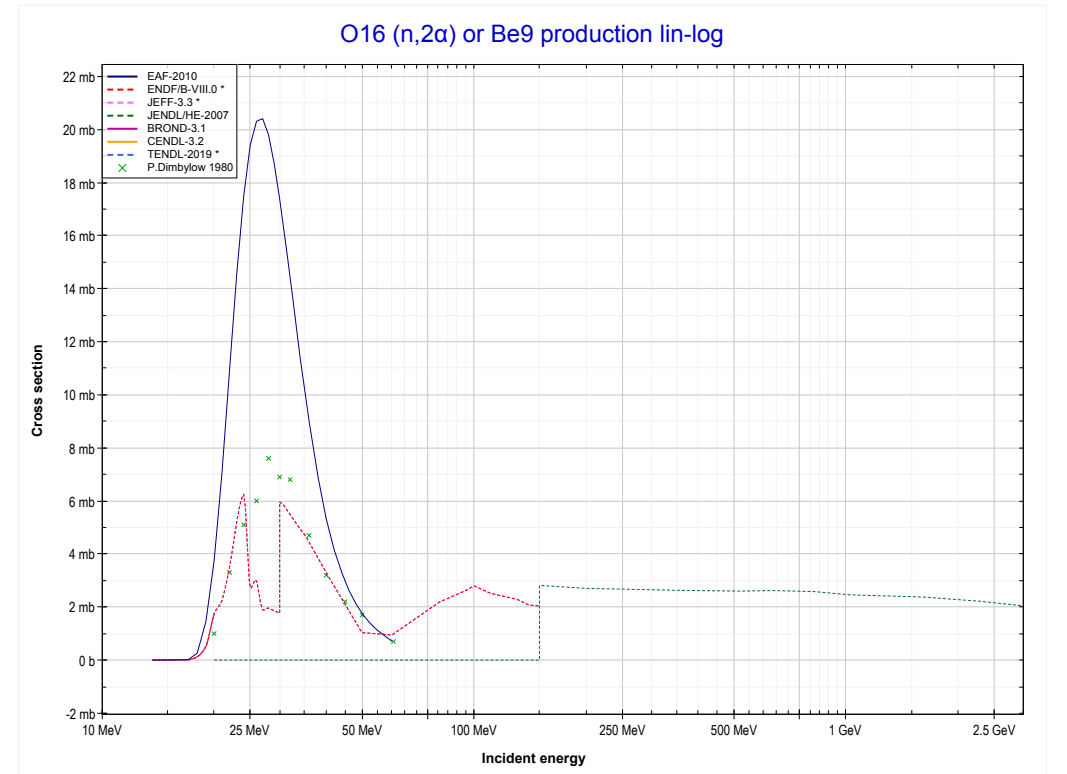
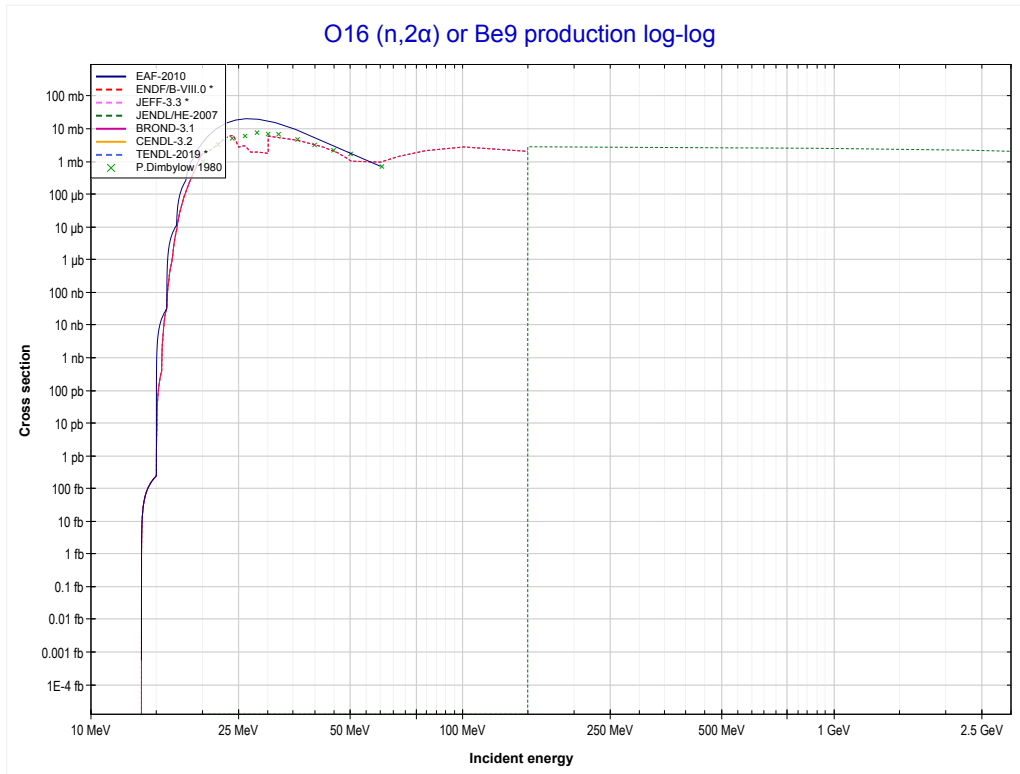
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,He3)C14 | -14616.80 keV |
| O16(n,p+d)C14 | -20110.27 keV |
| O16(n,n+2p)C14 | -22334.84 keV |

| | | |
|-------------------------------|--|--------------------------|
| << 7-N-14 | 8-O-16 | 8-O-17 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (C13 production) | MT108 (n, 2α) >> |



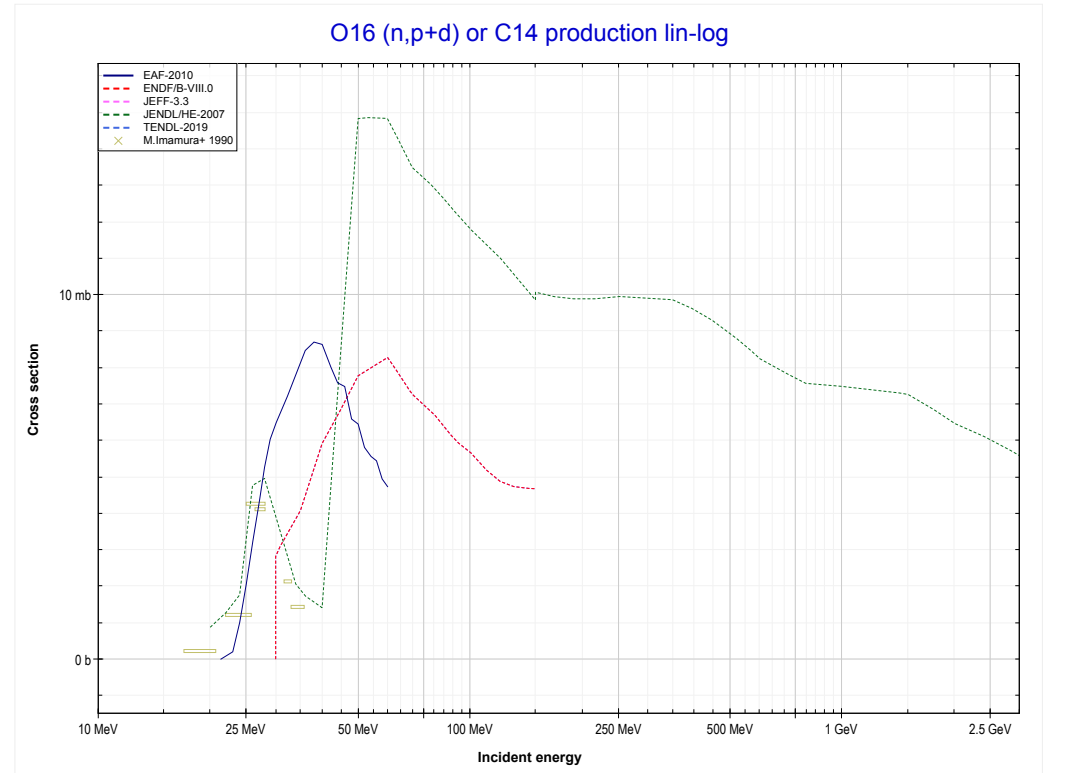
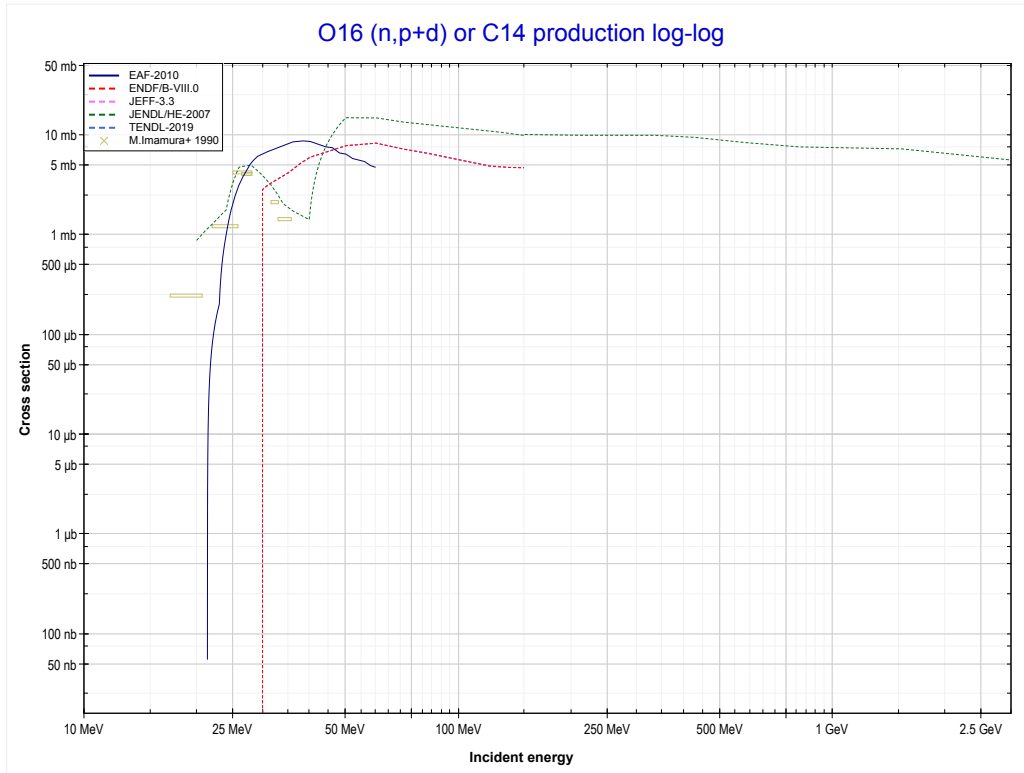
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0121419 b | 0.141658 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123088 b | 0.141657 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00867389 b | 0.141657 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00858597 b | 0.109 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00800169 b | 0.109 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0105555 b | 0.141658 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00867275 b | 0.141657 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123093 b | 0.141658 b |

| | | |
|-------------------------|---|------------------|
| << 7-N-14 | 8-O-16 | 15-P-31 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Be9 production) | MT115 (n,p+d) >> |



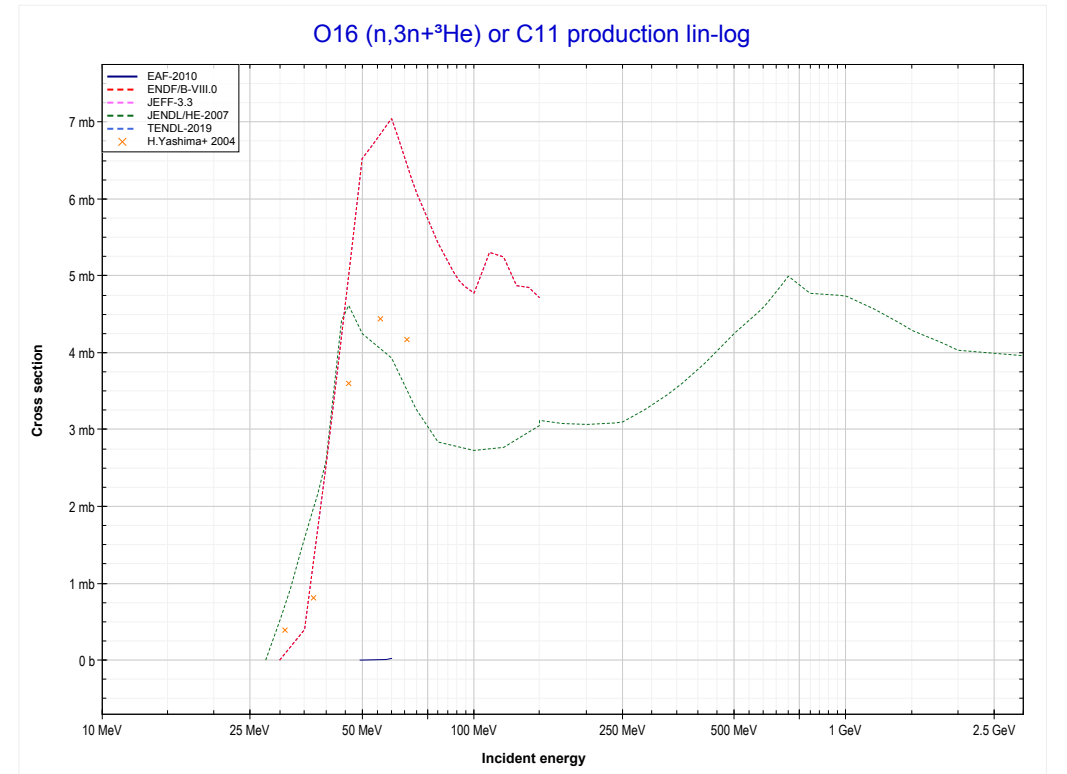
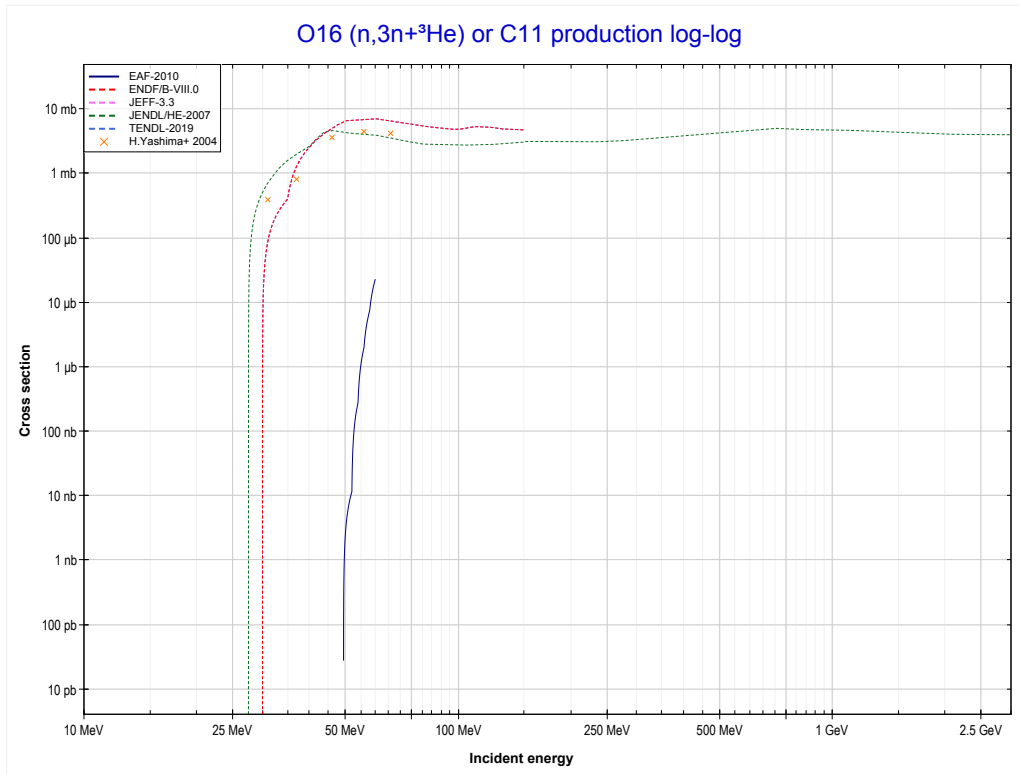
| Reaction | Q-Value | Reaction | Q-Value |
|----------------------------|---------------|----------------------|---------------|
| O16(n,2 α)Be9 | -12863.97 keV | O16(n,n+p+t+He3)Be9 | -53255.45 keV |
| O16(n,p+t+ α)Be9 | -32677.83 keV | O16(n,2n+2He3)Be9 | -54019.20 keV |
| O16(n,n+He3+ α)Be9 | -33441.58 keV | O16(n,p+2d+t)Be9 | -56524.36 keV |
| O16(n,2d+ α)Be9 | -36710.49 keV | O16(n,n+2d+He3)Be9 | -57288.11 keV |
| O16(n,n+p+d+ α)Be9 | -38935.06 keV | O16(n,n+2p+d+t)Be9 | -58748.92 keV |
| O16(n,2n+2p+ α)Be9 | -41159.63 keV | O16(n,2n+p+d+He3)Be9 | -59512.68 keV |
| O16(n,d+t+He3)Be9 | -51030.88 keV | O16(n,4d)Be9 | -60557.02 keV |
| O16(n,2p+2t)Be9 | -52491.70 keV | O16(n,2n+3p+t)Be9 | -60973.49 keV |

| | | |
|-----------------|--|----------------------------------|
| | 8-O-16 | 15-P-31 >> |
| << MT108 (n,2α) | MT115 (n,p+d) or MT5 (C14 production) | MT177 (n,3n+ ³ He) >> |



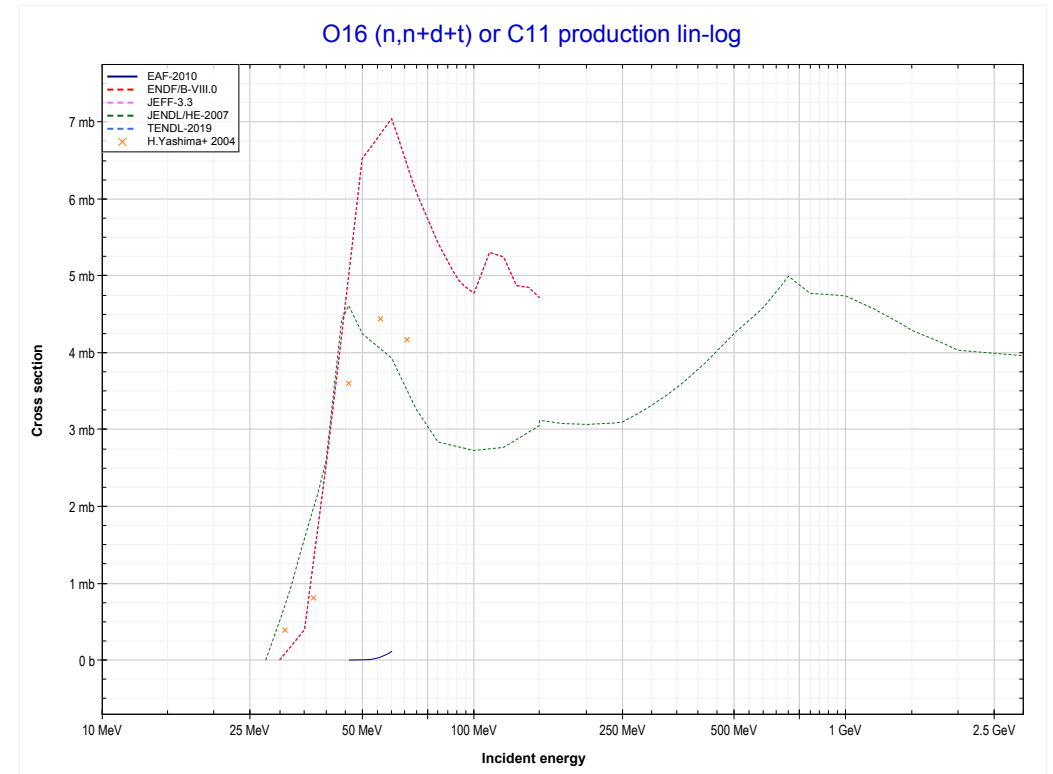
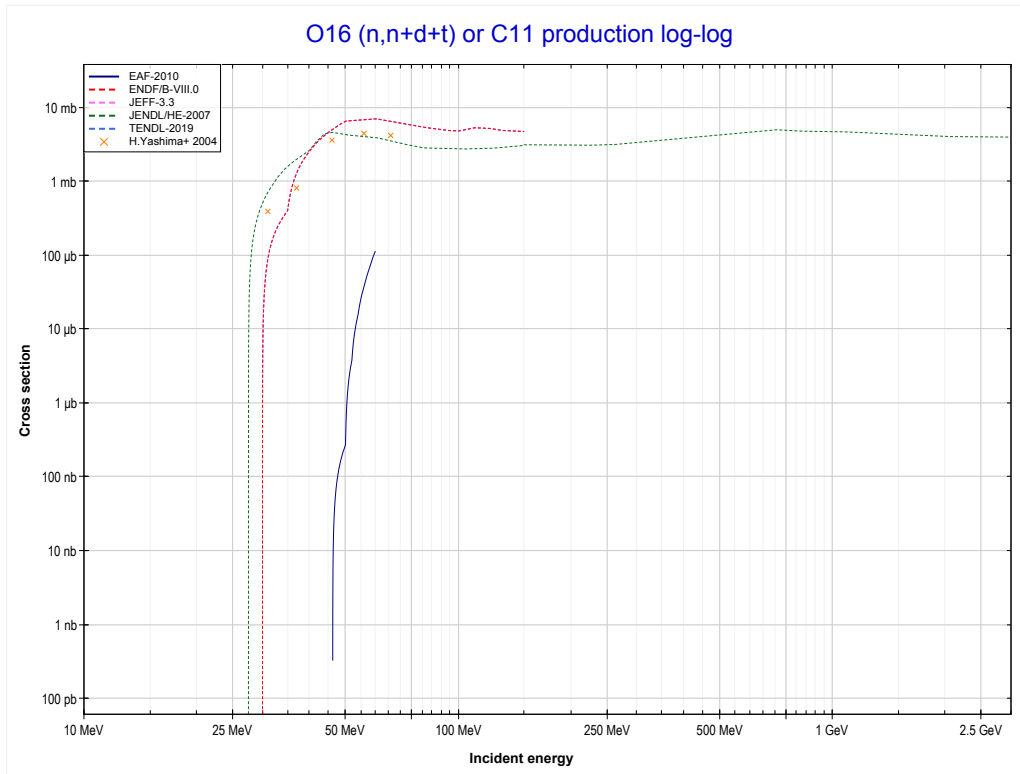
| Reaction | Q-Value |
|----------------|---------------|
| O16(n,He3)C14 | -14616.80 keV |
| O16(n,p+d)C14 | -20110.27 keV |
| O16(n,n+2p)C14 | -22334.84 keV |

| | | |
|------------------|--|--------------------|
| << 6-C-12 | 8-O-16 | 13-Al-27 >> |
| << MT115 (n,p+d) | MT177 (n,3n+³He) or MT5 (C11 production) | MT185 (n,n+d+t) >> |



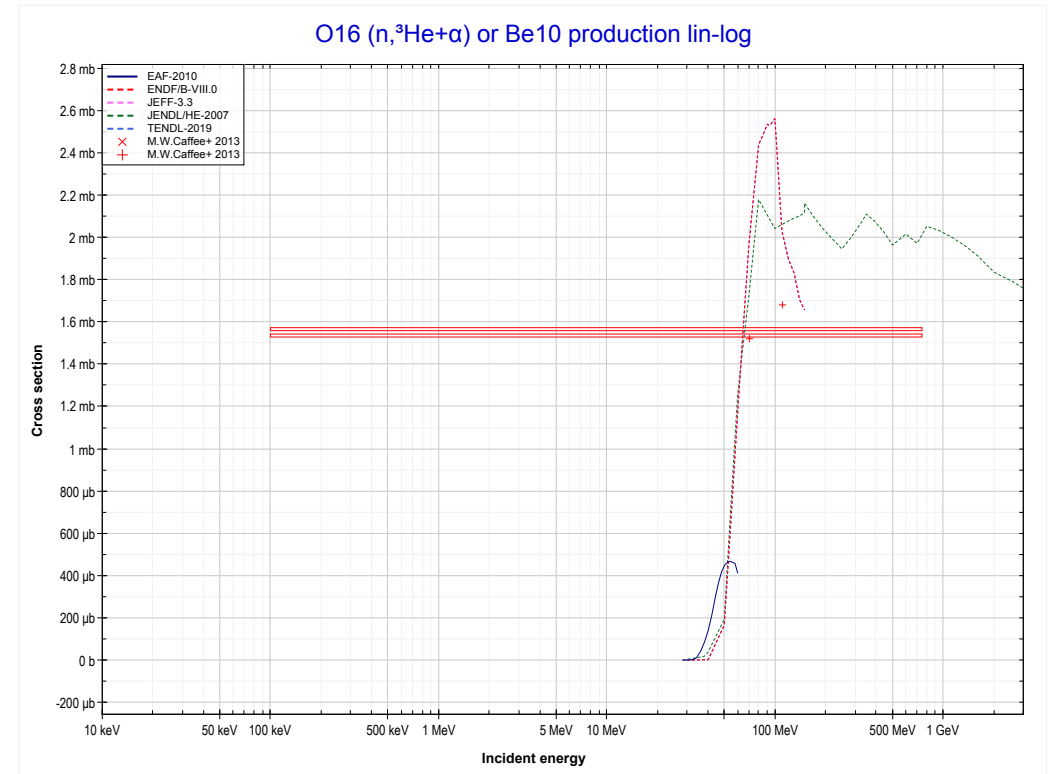
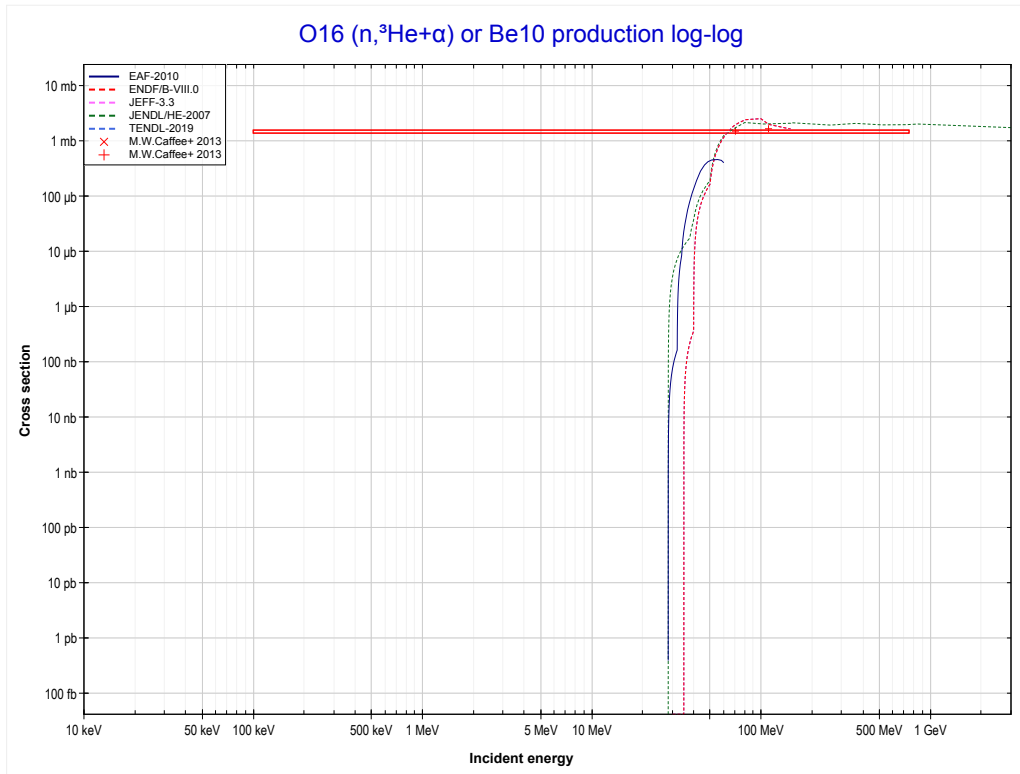
| Reaction | Q-Value |
|------------------|---------------|
| O16(n,2n+α)C11 | -25882.63 keV |
| O16(n,2t)C11 | -37214.70 keV |
| O16(n,n+d+t)C11 | -43471.93 keV |
| O16(n,2n+p+t)C11 | -45696.50 keV |
| O16(n,3n+He3)C11 | -46460.25 keV |
| O16(n,2n+2d)C11 | -49729.16 keV |
| O16(n,3n+p+d)C11 | -51953.73 keV |
| O16(n,4n+2p)C11 | -54178.29 keV |

| | | |
|----------------------------------|--|---------------------------------|
| << 6-C-12 | 8-O-16 | 13-Al-27 >> |
| << MT177 (n,3n+ ³ He) | MT185 (n,n+d+t) or MT5 (C11 production) | MT193 (n, ³ He+α) >> |



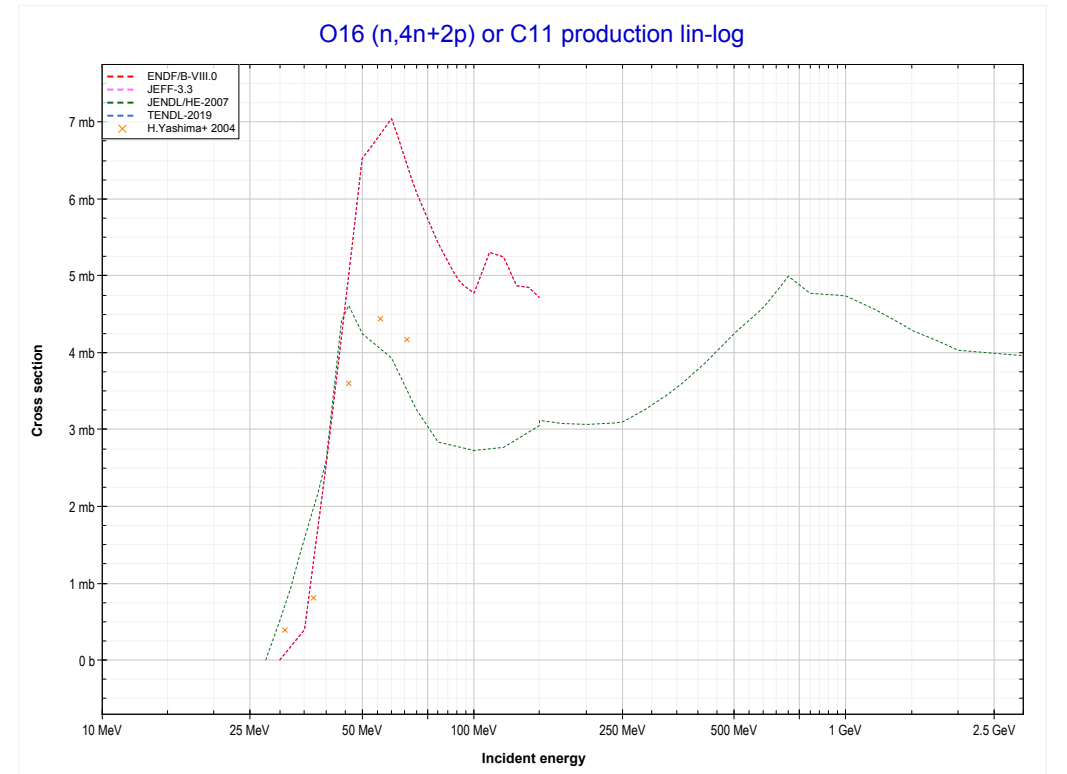
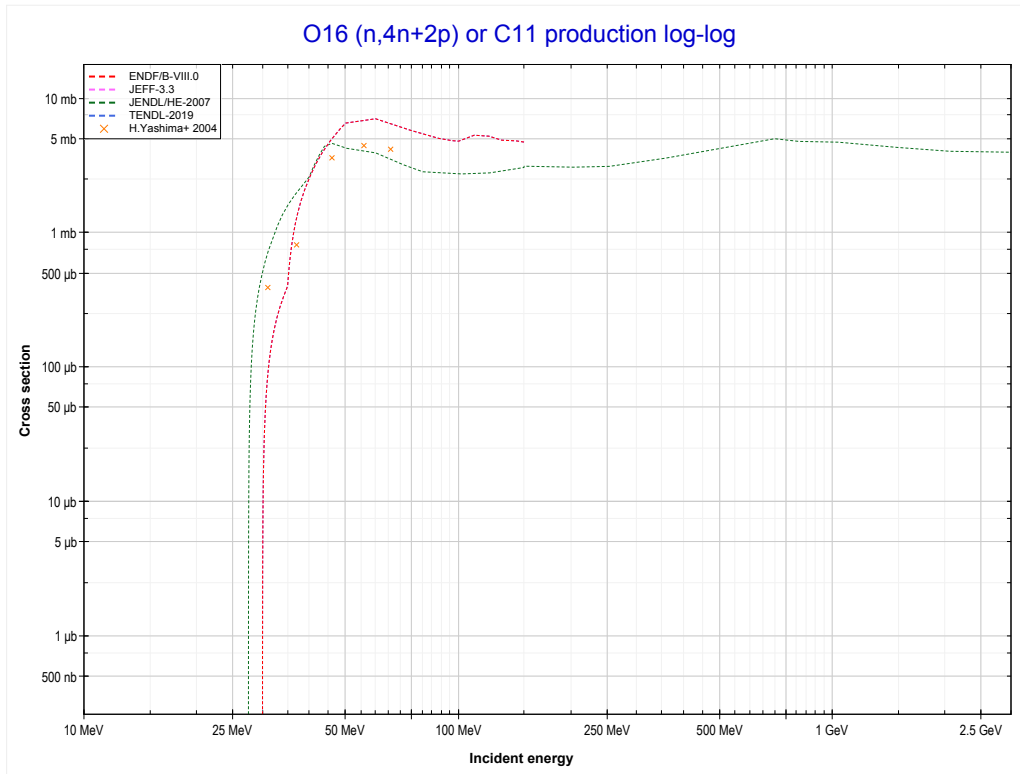
| Reaction | Q-Value |
|------------------|---------------|
| O16(n,2n+α)C11 | -25882.63 keV |
| O16(n,2t)C11 | -37214.70 keV |
| O16(n,n+d+t)C11 | -43471.93 keV |
| O16(n,2n+p+t)C11 | -45696.50 keV |
| O16(n,3n+He3)C11 | -46460.25 keV |
| O16(n,2n+2d)C11 | -49729.16 keV |
| O16(n,3n+p+d)C11 | -51953.73 keV |
| O16(n,4n+2p)C11 | -54178.29 keV |

| | | |
|--------------------|--|--------------------|
| << 6-C-12 | 8-O-16 | |
| << MT185 (n,n+d+t) | MT193 (n,³He+α) or MT5 (Be10 production) | MT194 (n,4n+2p) >> |



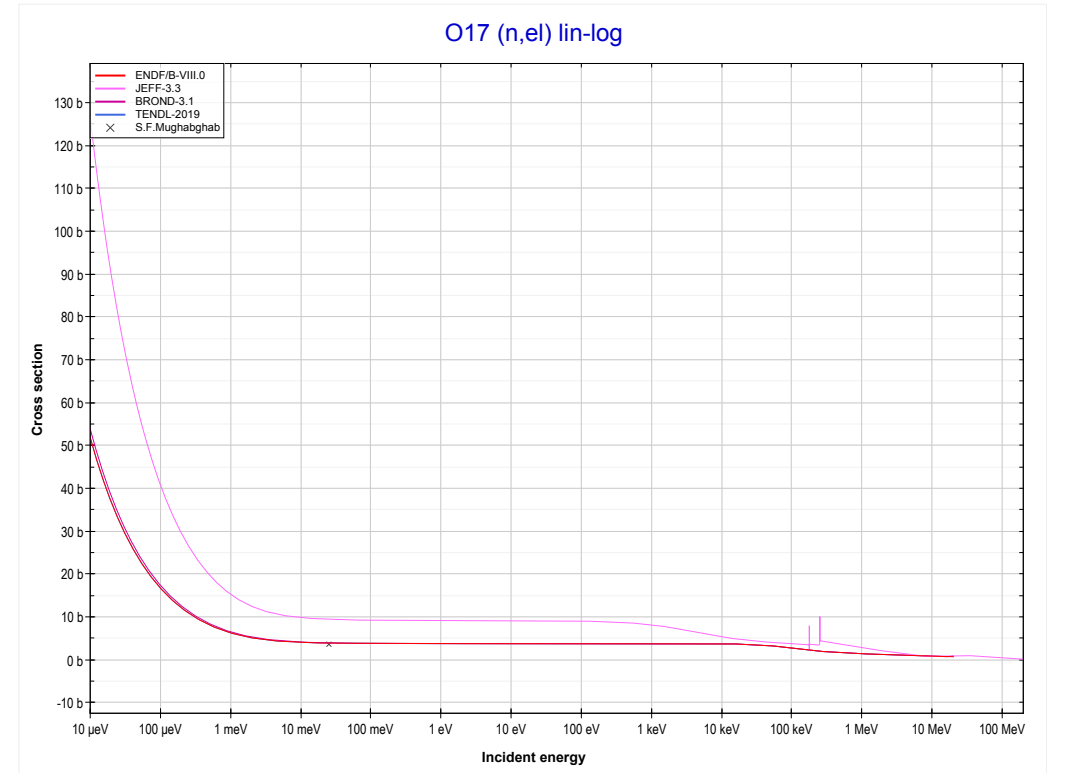
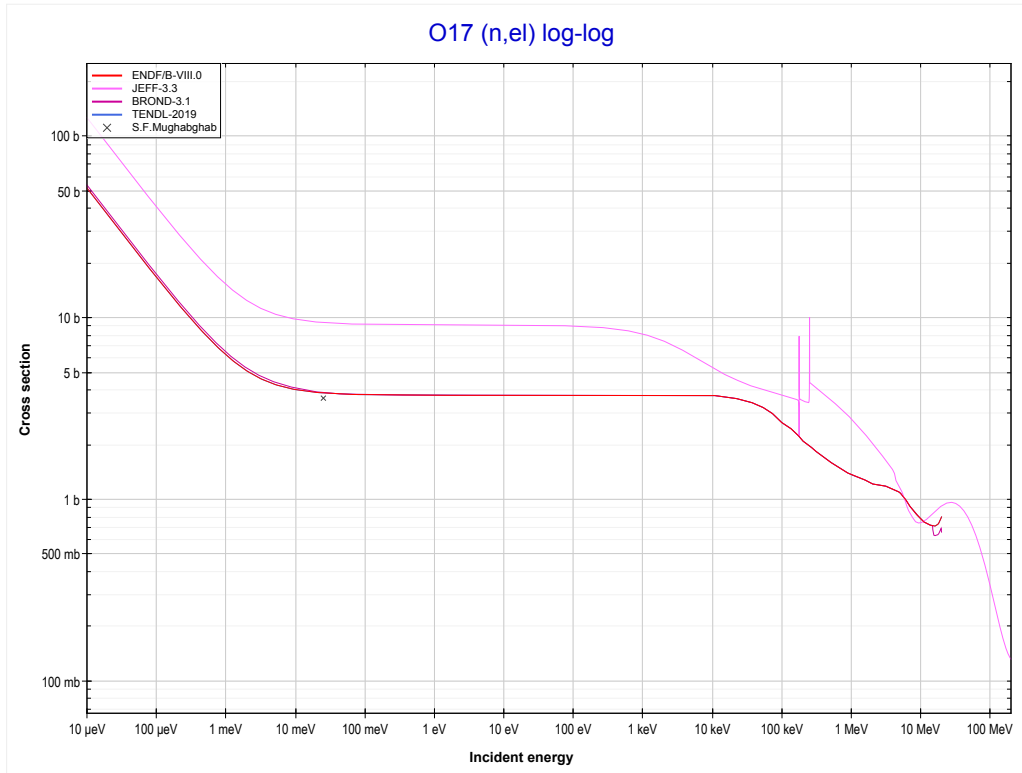
| Reaction | Q-Value | Reaction | Q-Value |
|----------------------|---------------|----------------------|---------------|
| O16(n,He3+α)Be10 | -26629.31 keV | O16(n,n+3p+t)Be10 | -54161.21 keV |
| O16(n,p+d+α)Be10 | -32122.78 keV | O16(n,2n+2p+He3)Be10 | -54924.97 keV |
| O16(n,n+2p+α)Be10 | -34347.35 keV | O16(n,p+3d)Be10 | -55969.31 keV |
| O16(n,p+t+He3)Be10 | -46443.17 keV | O16(n,n+2p+2d)Be10 | -58193.88 keV |
| O16(n,n+2He3)Be10 | -47206.93 keV | O16(n,2n+3p+d)Be10 | -60418.44 keV |
| O16(n,2d+He3)Be10 | -50475.84 keV | O16(n,3n+4p)Be10 | -62643.01 keV |
| O16(n,2p+d+t)Be10 | -51936.65 keV | | |
| O16(n,n+p+d+He3)Be10 | -52700.40 keV | | |

| | | |
|---------------------------------|--|---------------------------|
| << 6-C-12 | 8-O-16 | 13-Al-27 >> |
| << MT193 (n, ³ He+α) | MT194 (n,4n+2p) or MT5 (C11 production) | 8-O-17 MT2 (n,elastic) >> |



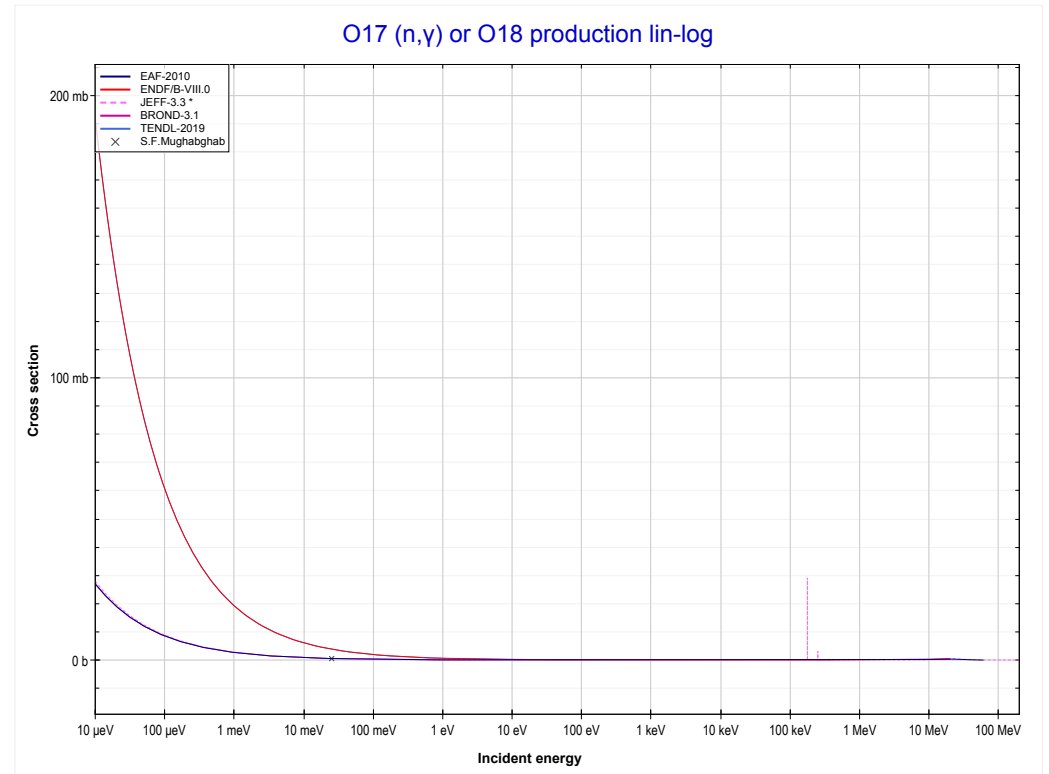
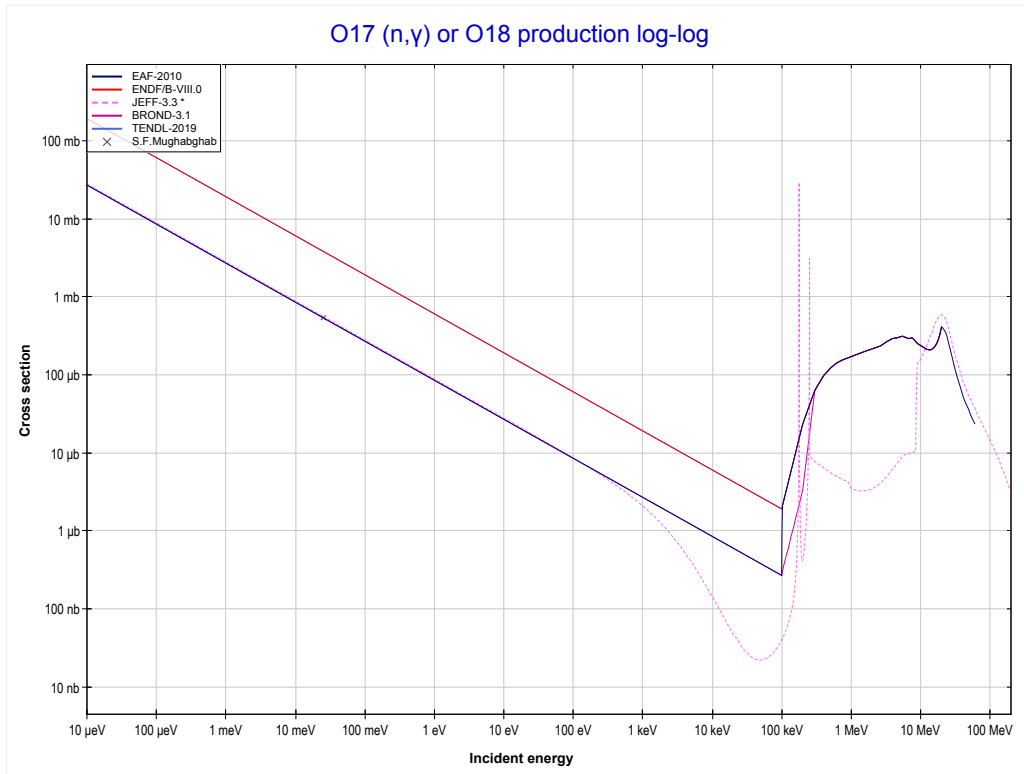
| Reaction | Q-Value |
|------------------|---------------|
| O16(n,2n+α)C11 | -25882.63 keV |
| O16(n,2t)C11 | -37214.70 keV |
| O16(n,n+d+t)C11 | -43471.93 keV |
| O16(n,2n+p+t)C11 | -45696.50 keV |
| O16(n,3n+He3)C11 | -46460.25 keV |
| O16(n,2n+2d)C11 | -49729.16 keV |
| O16(n,3n+p+d)C11 | -51953.73 keV |
| O16(n,4n+2p)C11 | -54178.29 keV |

| | | |
|---------------------------|------------------------|-------------------------|
| << 8-O-16 | 8-O-17 | 8-O-18 >> |
| << 8-O-16 MT194 (n,4n+2p) | MT2 (n,elastic) | MT102 (n, γ) >> |



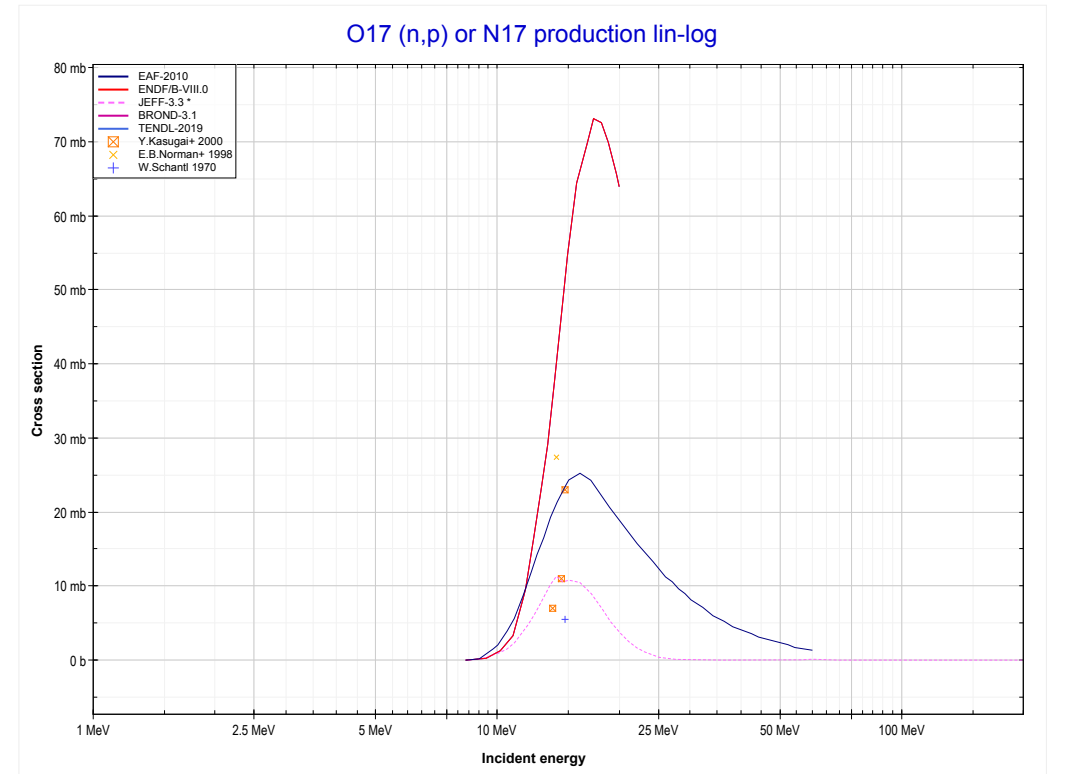
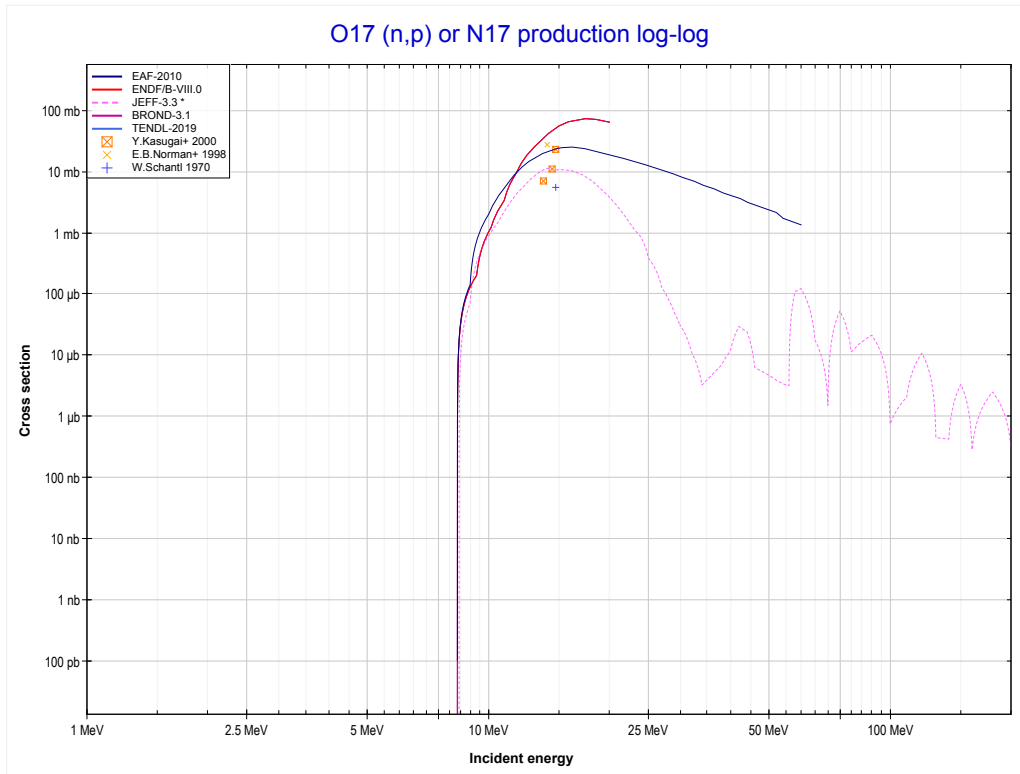
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.85096 b | 3.85096 b | 4.3436 b | 1.12794 | 44.8452 b | 1.36901 b | 0.72 b |
| JEFF-3.3 | 9.40296 b | 9.40296 b | 10.606 b | 1.12793 | 94.1317 b | 2.39424 b | 0.814731 b |
| BROND-3.1 | 3.867 b | 3.867 b | 4.3652 b | 1.12884 | 44.8745 b | 1.36899 b | 0.718686 b |
| TENDL-2019 | 3.85096 b | 3.85096 b | 4.3438 b | 1.12798 | 44.8531 b | 1.36915 b | 0.72 b |

| | | |
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| << 8-O-16 | 8-O-17 | 8-O-18 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (O18 production) | MT103 (n,p) >> |



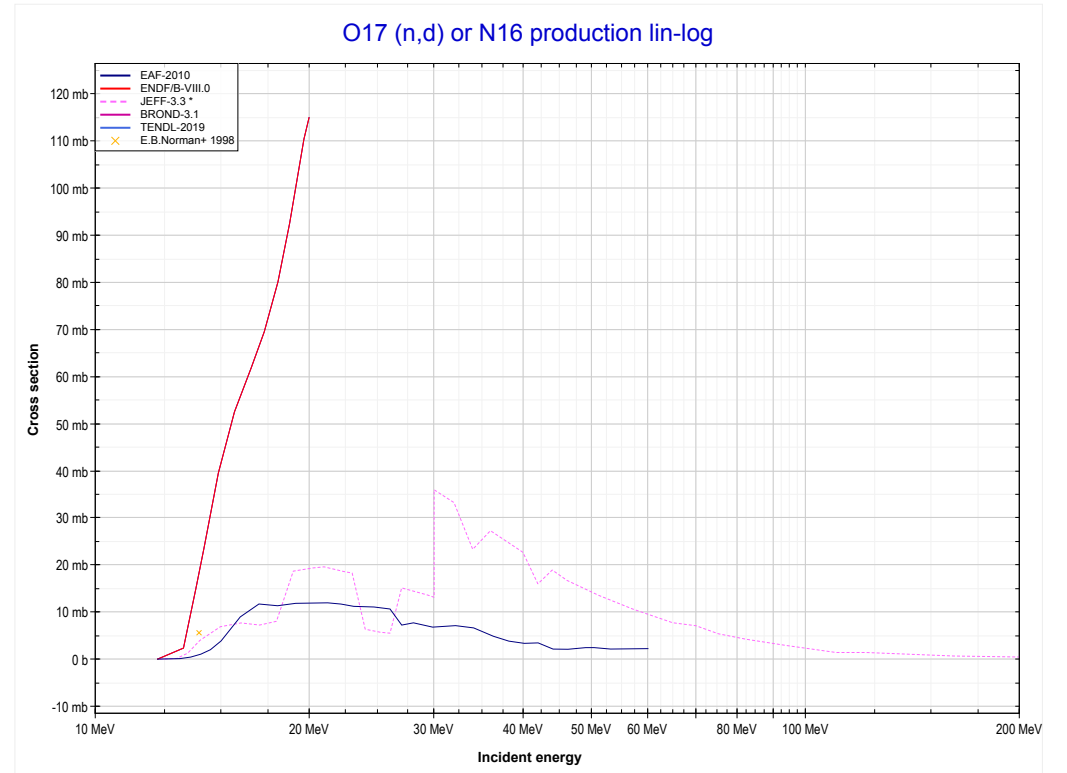
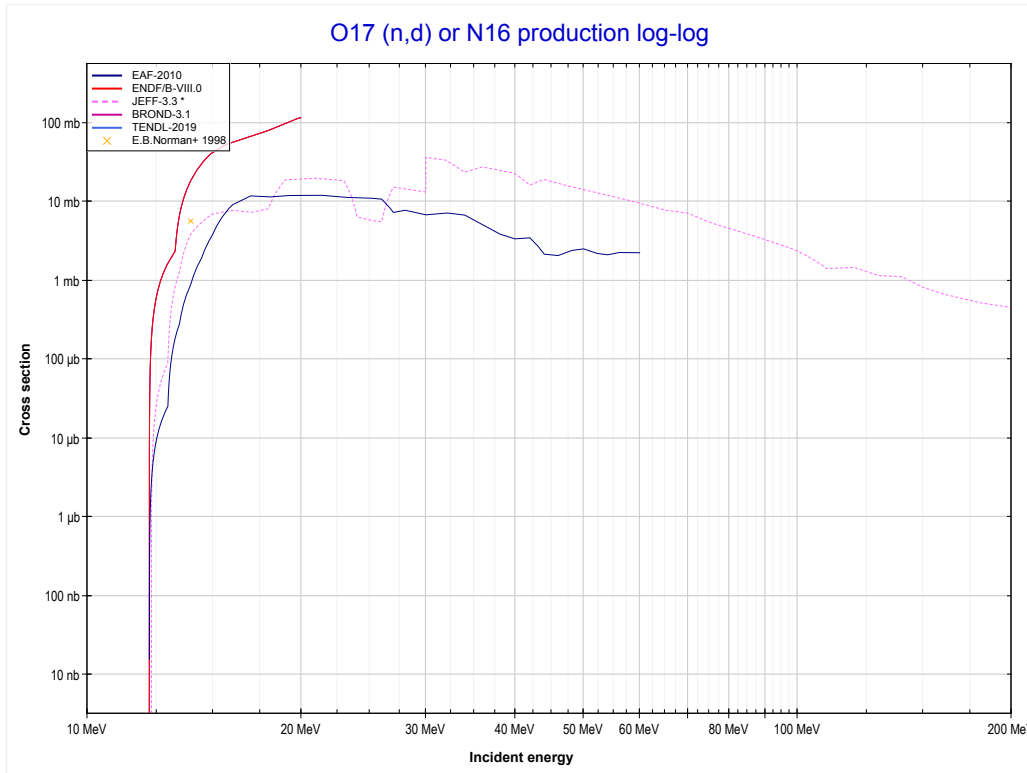
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.4E-4 b | 5.39596E-4 b | 5.391E-4 b | 0.99907 | 2.41214E-4 b | 1.93662E-4 b | 2.08001E-4 b |
| ENDF/B-VIII.0 | 0.00383009 b | 0.00383009 b | 0.0038289 b | 0.99968 | 0.00171457 b | 1.93701E-4 b | 2.08E-4 b |
| JEFF-3.3 | 5.55259E-4 b | 5.55259E-4 b | 5.5546E-4 b | 1.00036 | 2.45111E-4 b | 7.77781E-6 b | 3.22125E-4 b |
| BROND-3.1 | 5.37963E-4 b | 5.37963E-4 b | 5.3781E-4 b | 0.99971 | 2.40894E-4 b | 1.92893E-4 b | 2.08E-4 b |
| TENDL-2019 | 0.0038286 b | 0.0038286 b | 0.0038266 b | 0.99948 | 0.00171188 b | 1.93688E-4 b | 2.08E-4 b |

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|-------------------------|--|----------------|
| << 8-O-16 | 8-O-17 | 8-O-18 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (N17 production) | MT104 (n,d) >> |



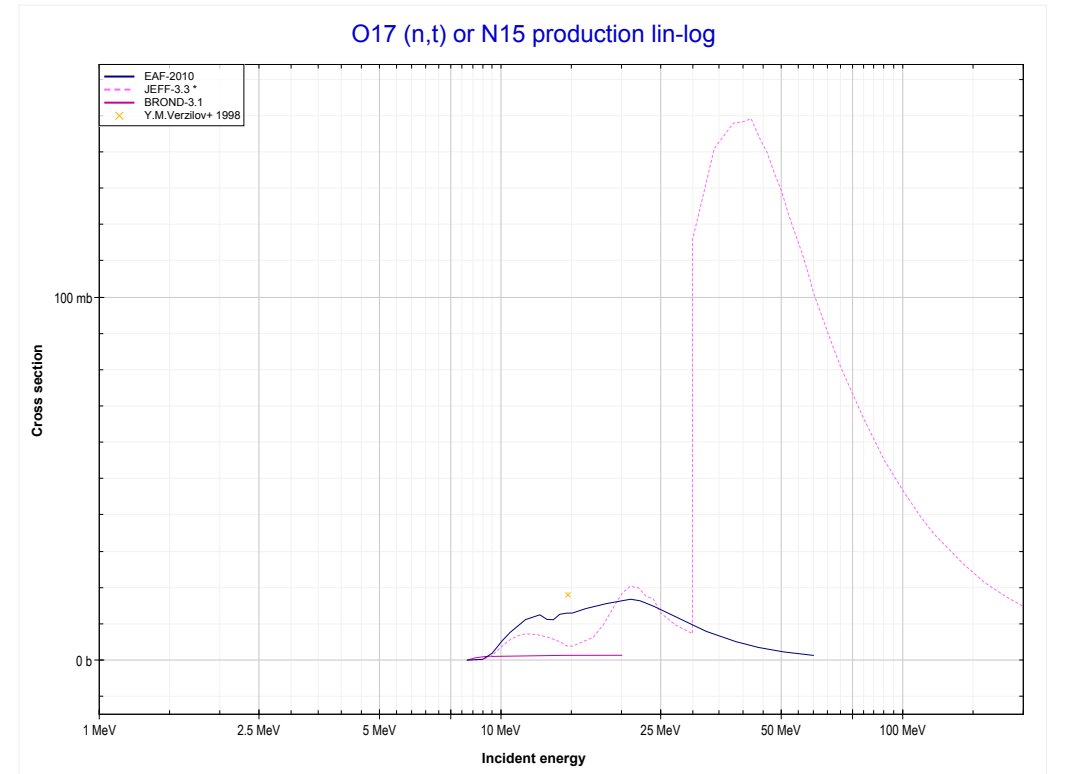
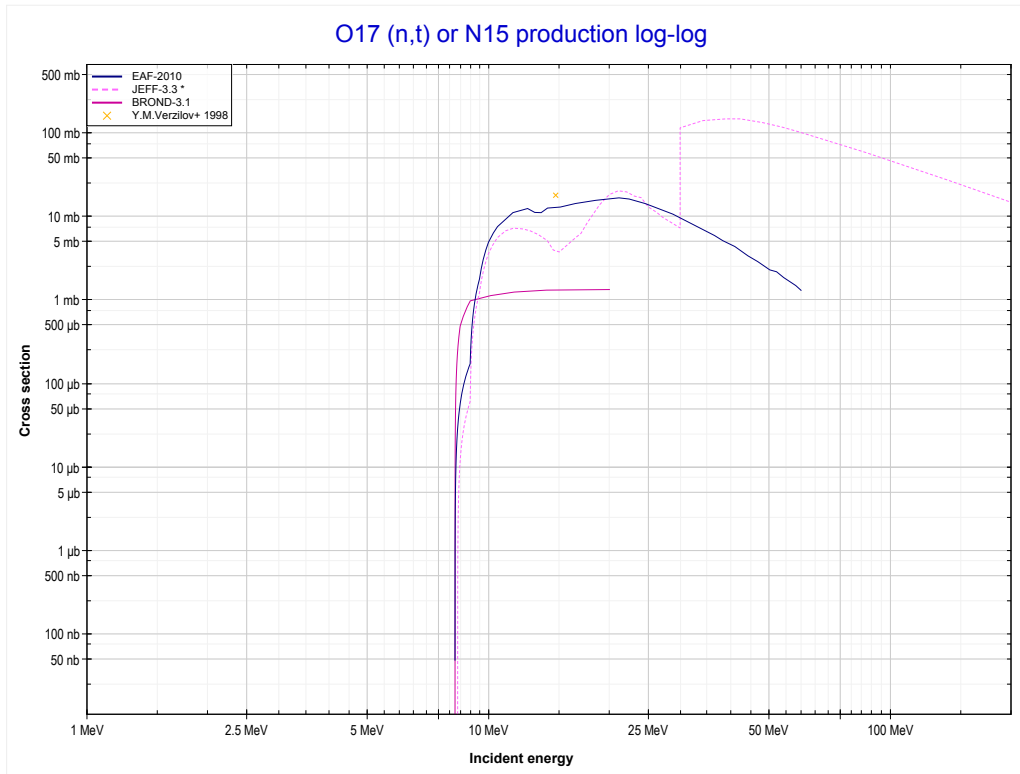
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78714E-5 b | 0.0211695 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.1578E-5 b | 0.0402125 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.05084E-6 b | 0.0113449 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15781E-5 b | 0.0402125 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.1578E-5 b | 0.0402125 b |

| | | |
|----------------|--|----------------|
| << 8-O-16 | 8-O-17 | 12-Mg-25 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (N16 production) | MT105 (n,t) >> |



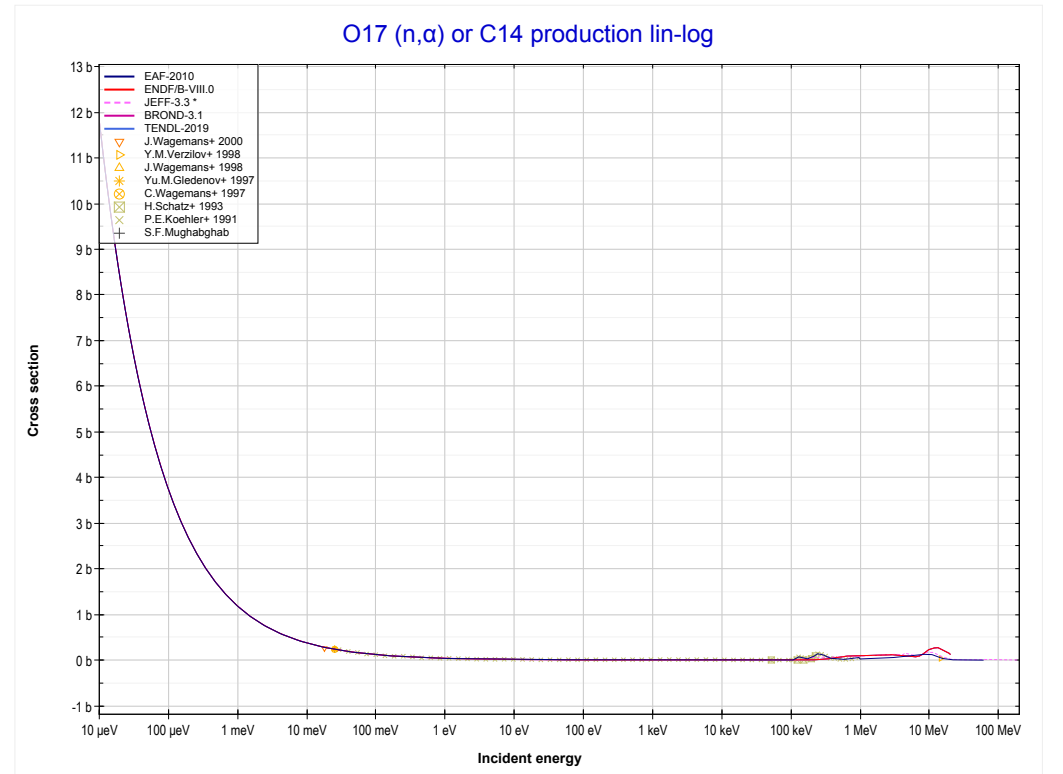
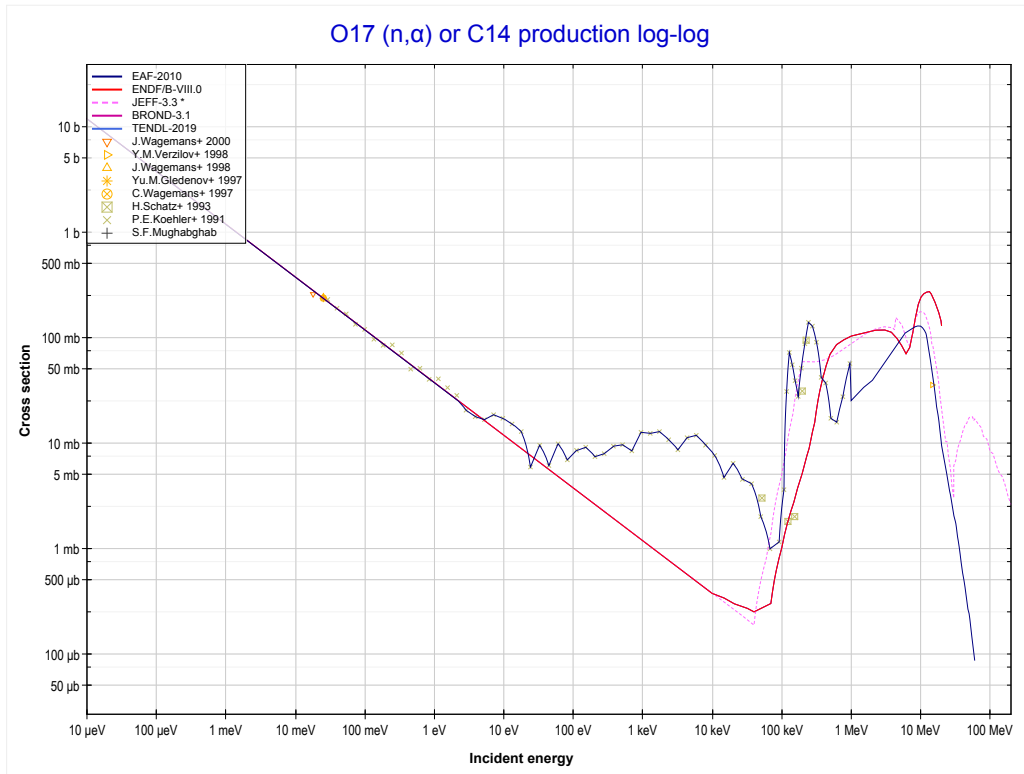
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.30099E-7 b | 8.82767E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.001E-6 b | 0.0182676 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.52698E-7 b | 0.00384869 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00101E-6 b | 0.0182676 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00099E-6 b | 0.0182676 b |

| | | |
|----------------|--|-------------------------|
| << 8-O-16 | 8-O-17 | 8-O-18 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (N15 production) | MT107 (n, α) >> |



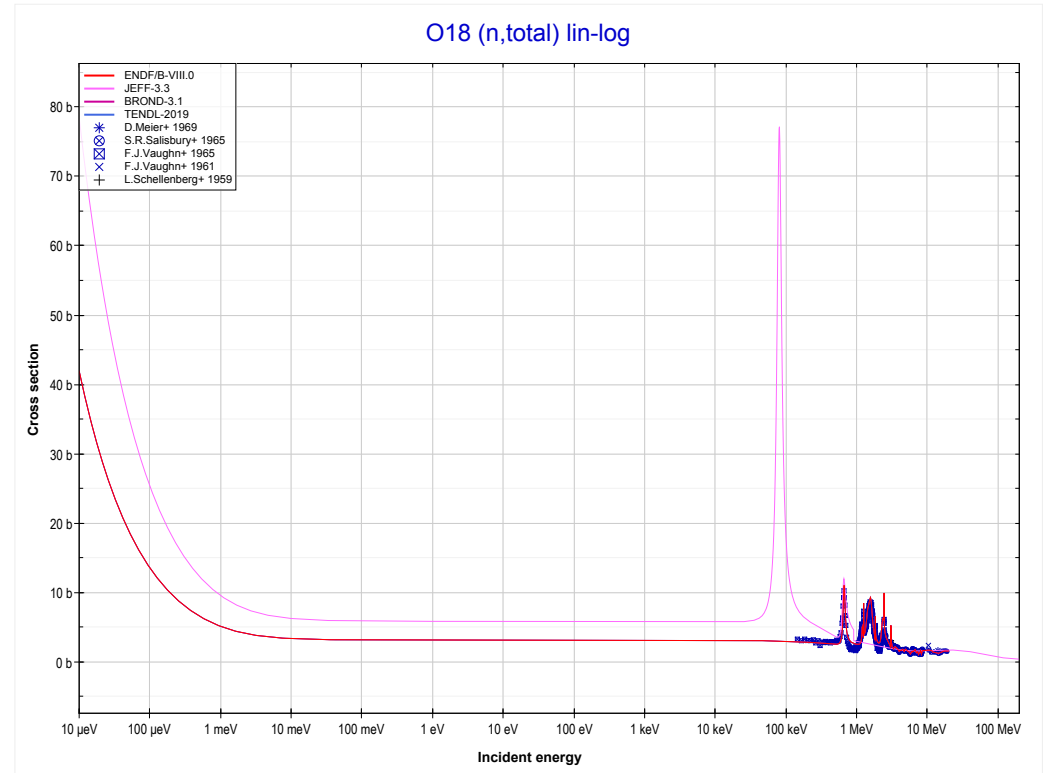
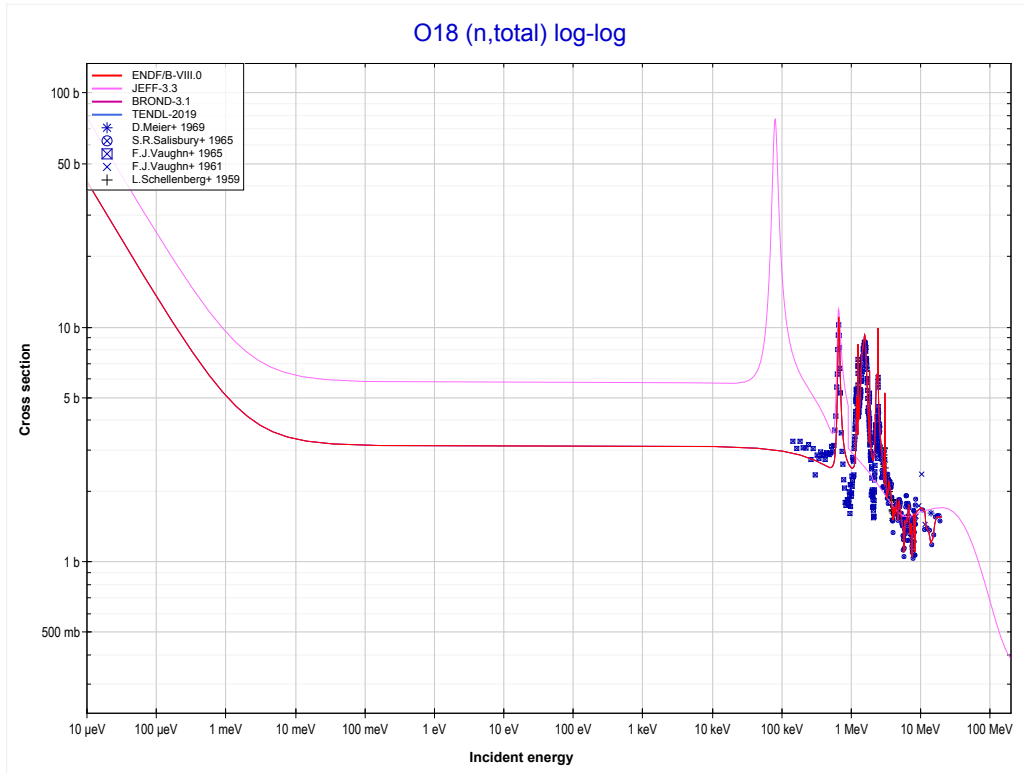
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22538E-5 b | 0.012616 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.44107E-5 b | 0.0051559 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.88119E-6 b | 0.0013119 b |

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|----------------|--|-------------------------|
| << 8-O-16 | 8-O-17 | 8-O-18 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (C14 production) | 8-O-18 MT1 (n,total) >> |



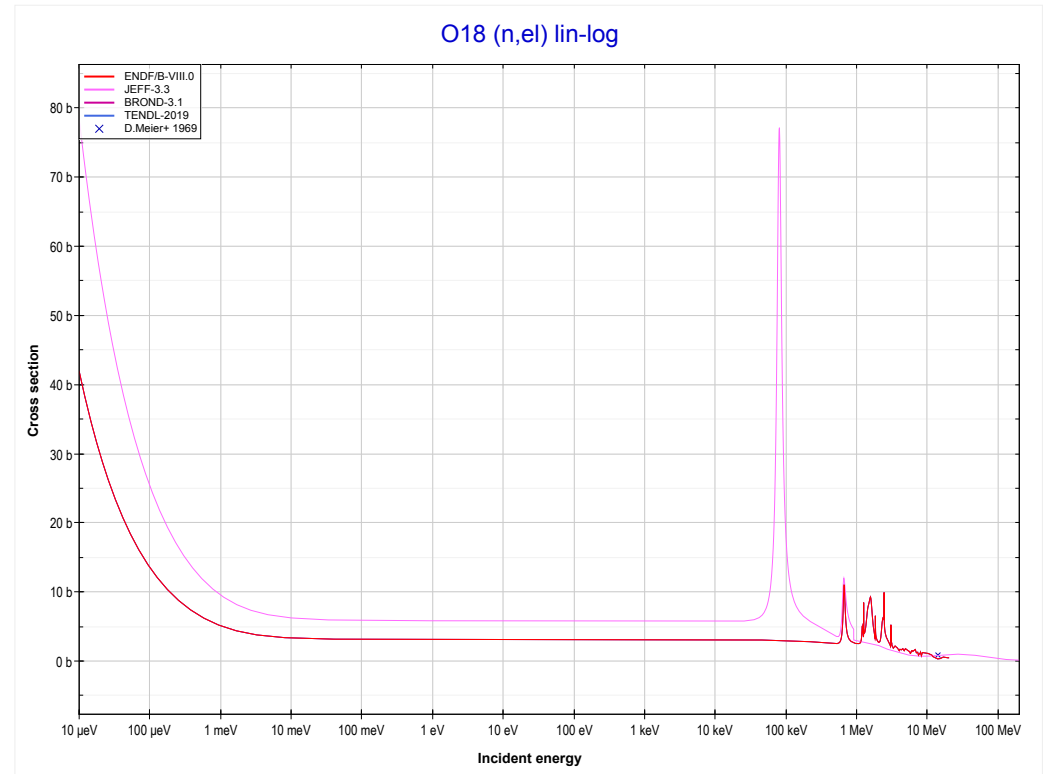
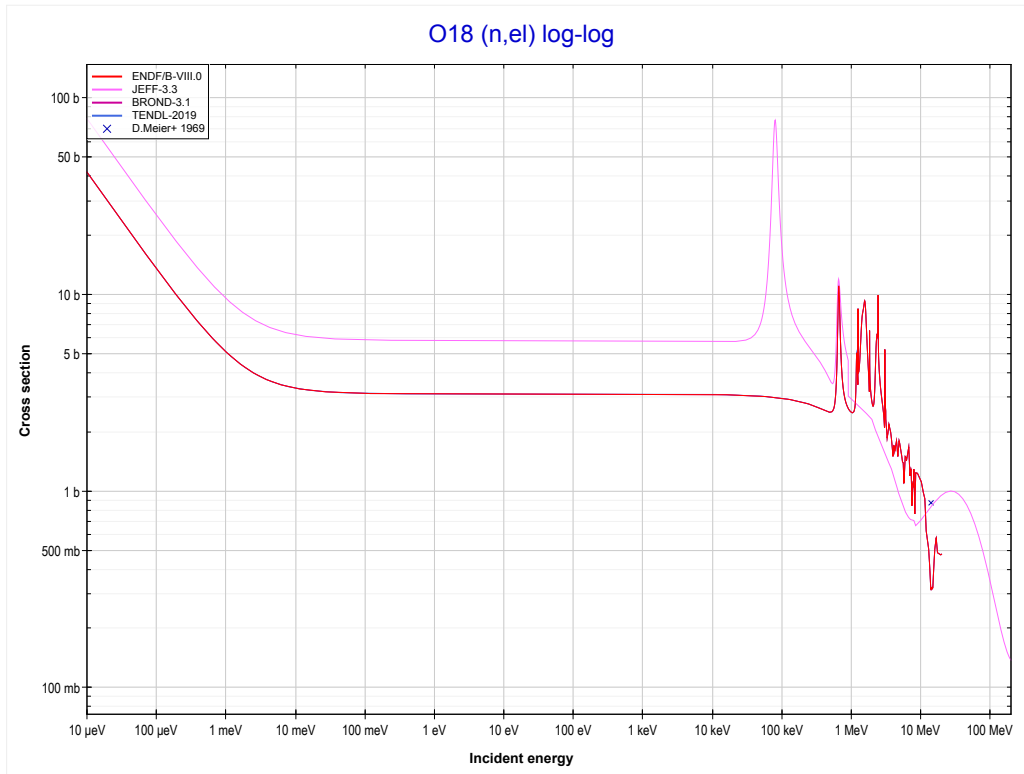
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.235 b | 0.234824 b | 0.23483 b | 1.00004 | 0.161376 b | 0.0483948 b | 0.0573639 b |
| ENDF/B-VIII.0 | 0.235092 b | 0.235092 b | 0.23517 b | 1.00035 | 0.106029 b | 0.0949442 b | 0.262396 b |
| JEFF-3.3 | 0.236076 b | 0.236076 b | 0.23603 b | 0.9998 | 0.107344 b | 0.0992575 b | 0.107745 b |
| BROND-3.1 | 0.23507 b | 0.23507 b | 0.23516 b | 1.00037 | 0.106051 b | 0.0949442 b | 0.262396 b |
| TENDL-2019 | 0.235 b | 0.235 b | 0.23503 b | 1.00014 | 0.105865 b | 0.0949424 b | 0.262396 b |

| | | |
|--------------------------------|----------------------|--------------------|
| << 8-O-16 | 8-O-18 | 9-F-19 >> |
| << 8-O-17 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



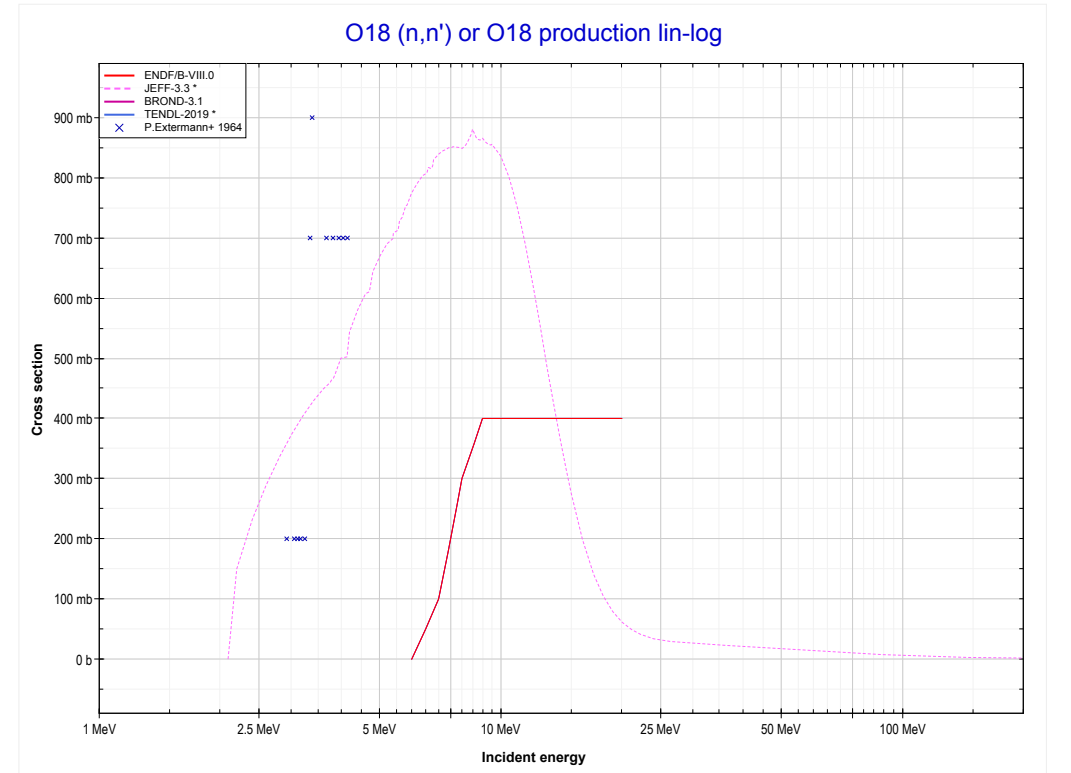
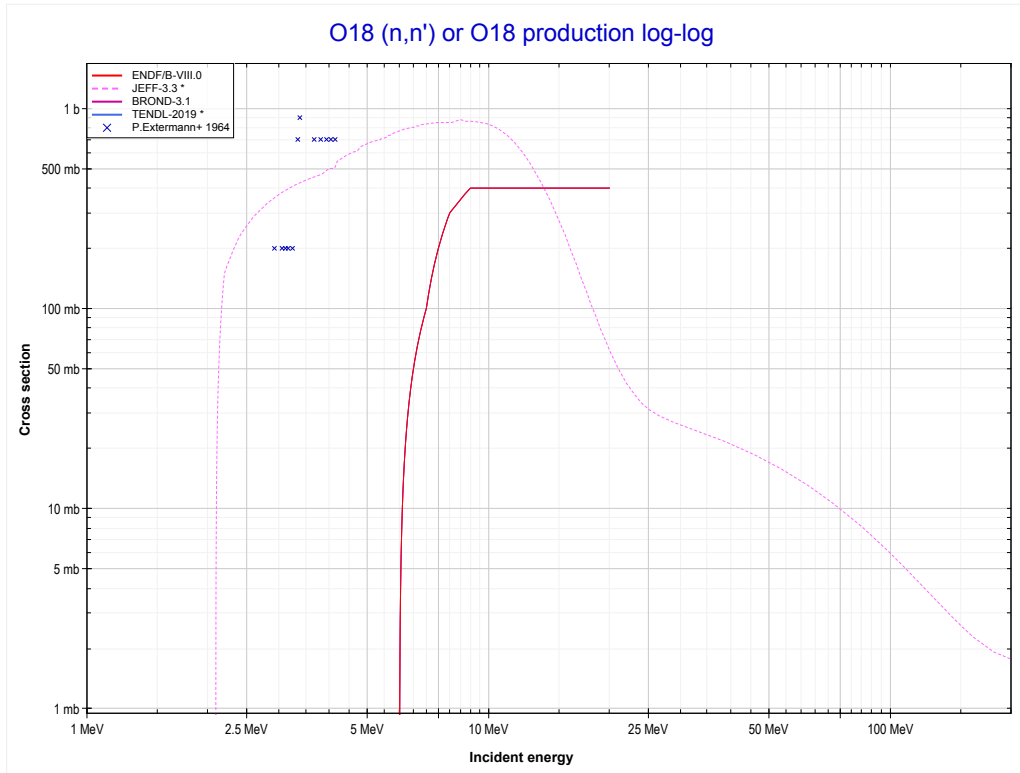
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.20049 b | 3.20049 b | 3.6101 b | 1.12798 | 37.8505 b | 3.59629 b | 1.20016 b |
| JEFF-3.3 | 5.98994 b | 5.98994 b | 6.7566 b | 1.12798 | 87.4606 b | 3.5133 b | 1.67594 b |
| BROND-3.1 | 3.20049 b | 3.20049 b | 3.6101 b | 1.12798 | 37.8505 b | 3.5962 b | 1.20016 b |
| TENDL-2019 | 3.20049 b | 3.20049 b | 3.6102 b | 1.12803 | 37.8762 b | 3.59461 b | 1.20016 b |

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|------------------|------------------------|---------------|
| << 8-O-17 | 8-O-18 | 9-F-19 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



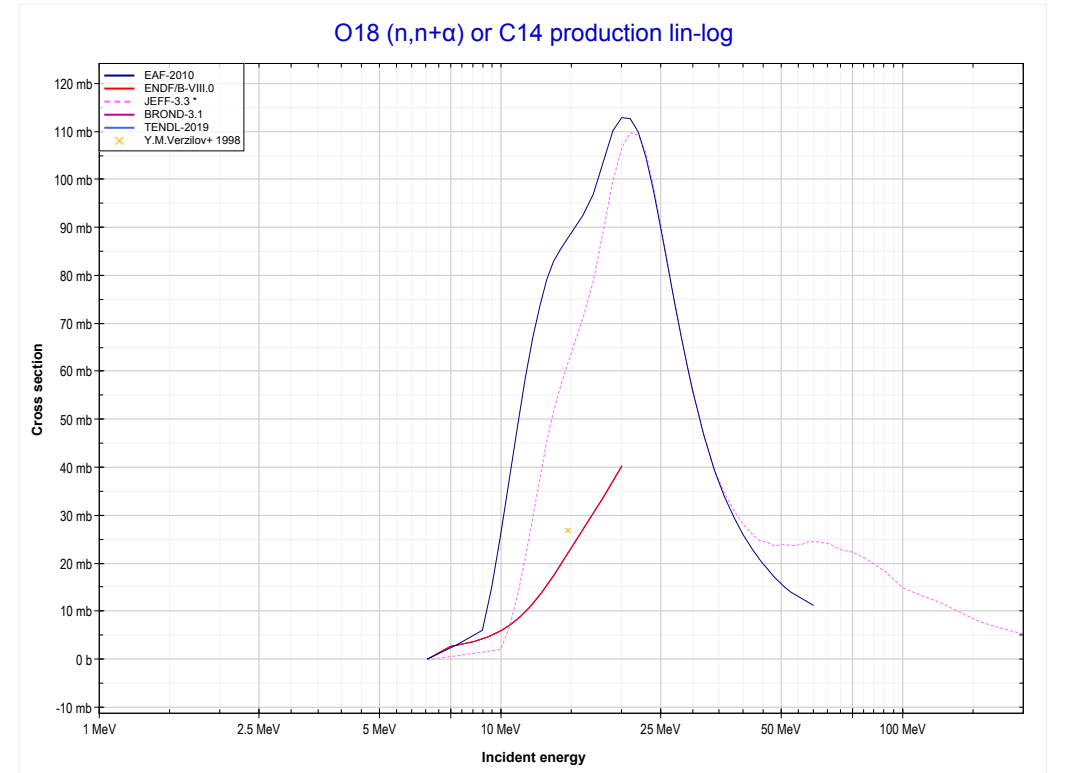
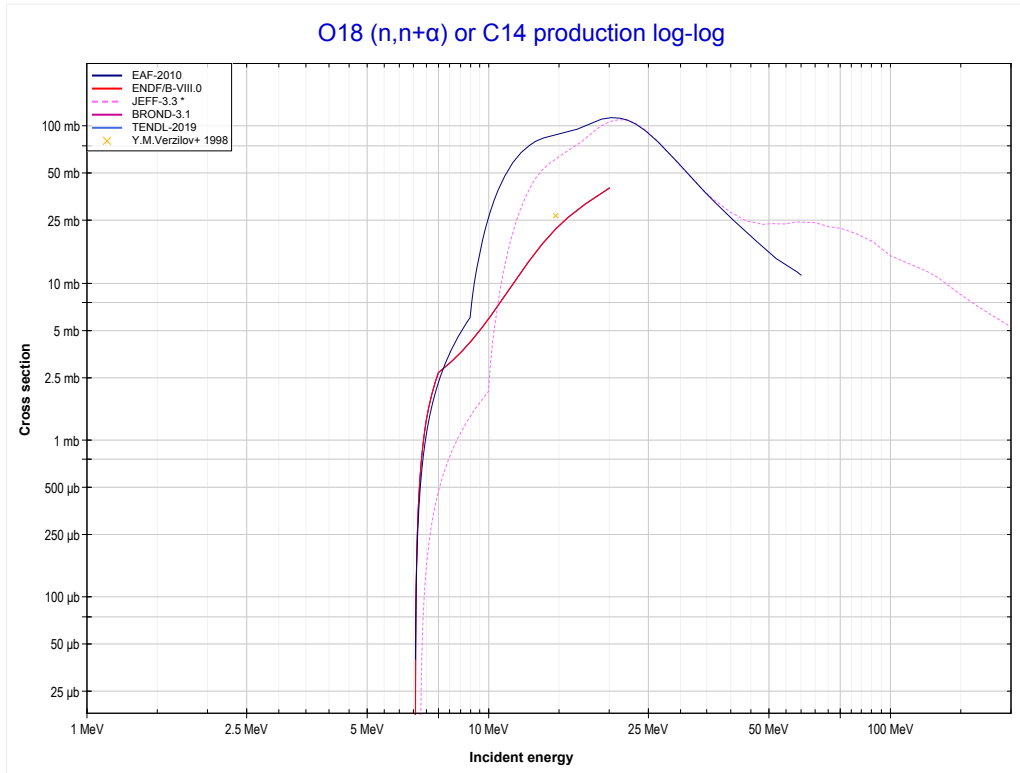
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.20034 b | 3.20034 b | 3.6099 b | 1.12799 | 37.8504 b | 3.59009 b | 0.316815 b |
| JEFF-3.3 | 5.98979 b | 5.98979 b | 6.7564 b | 1.12799 | 87.4597 b | 3.35206 b | 0.829719 b |
| BROND-3.1 | 3.20034 b | 3.20034 b | 3.6099 b | 1.12799 | 37.8504 b | 3.59009 b | 0.316815 b |
| TENDL-2019 | 3.20034 b | 3.20034 b | 3.6101 b | 1.12803 | 37.8759 b | 3.58858 b | 0.316815 b |

| | | |
|--------------------|---|-----------------|
| << 8-O-16 | 8-O-18 | 9-F-19 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (O18 production) | MT22 (n,n+α) >> |



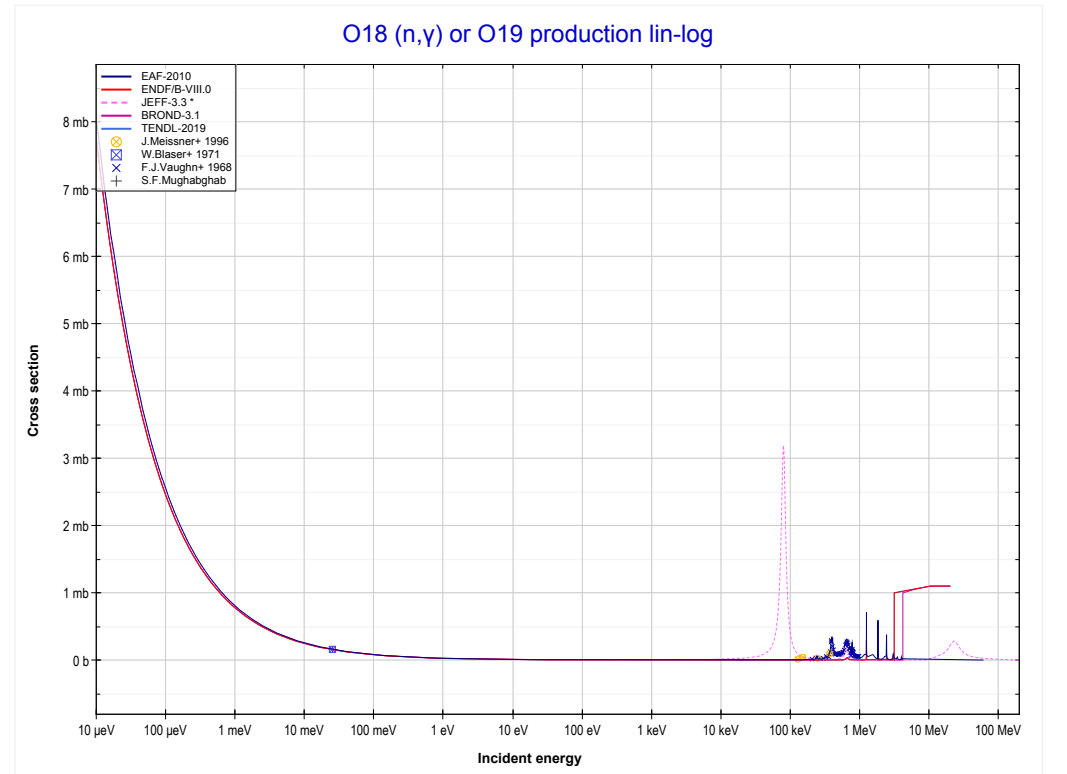
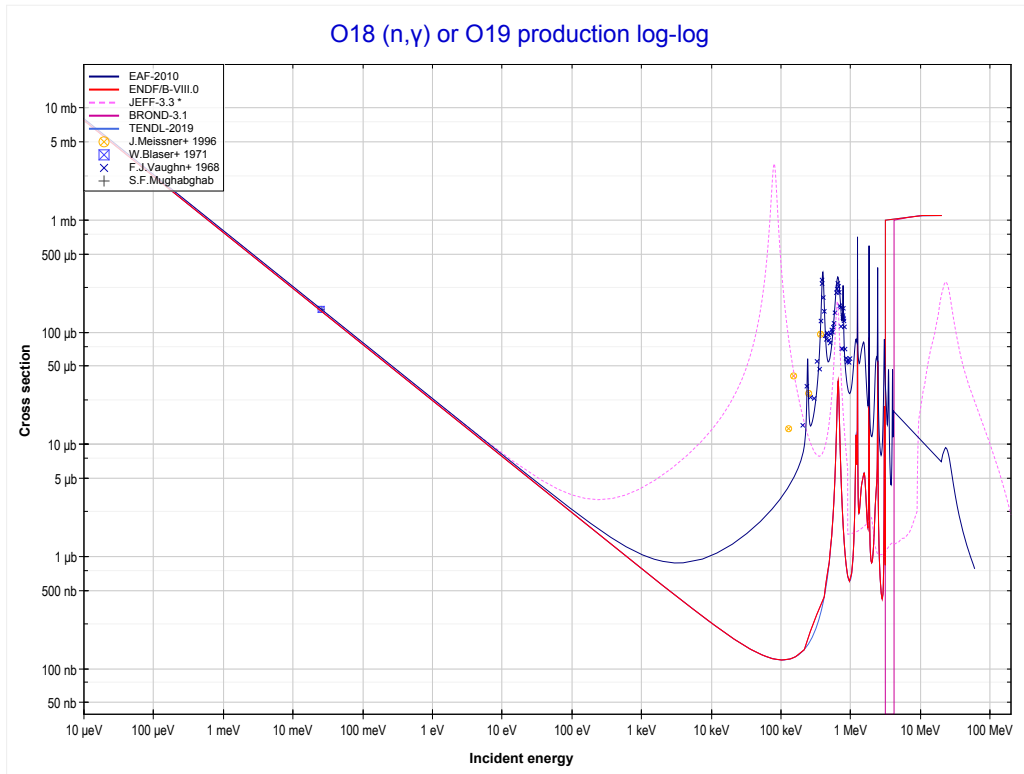
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00508254 b | 0.4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.160371 b | 0.371496 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00508254 b | 0.4 b |

| | | |
|---------------|---|----------------|
| << 3-Li-7 | 8-O-18 | 11-Na-23 >> |
| << MT4 (n,n') | MT22 (n,n+α) or MT5 (C14 production) | MT102 (n,γ) >> |



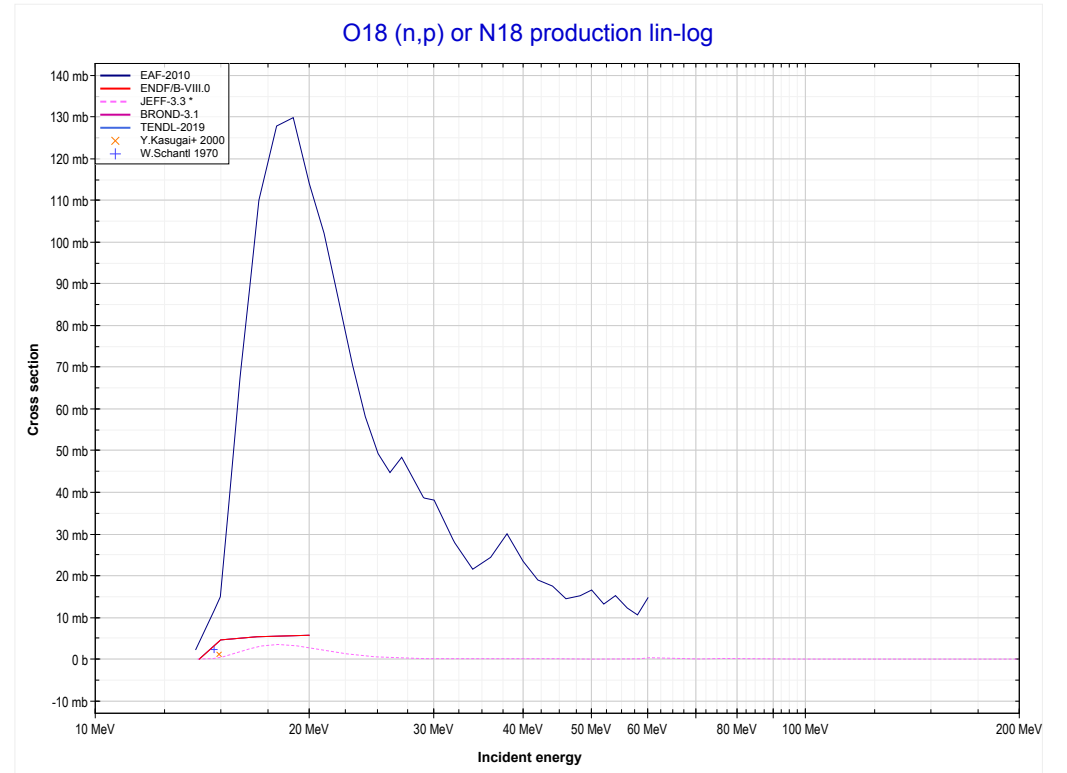
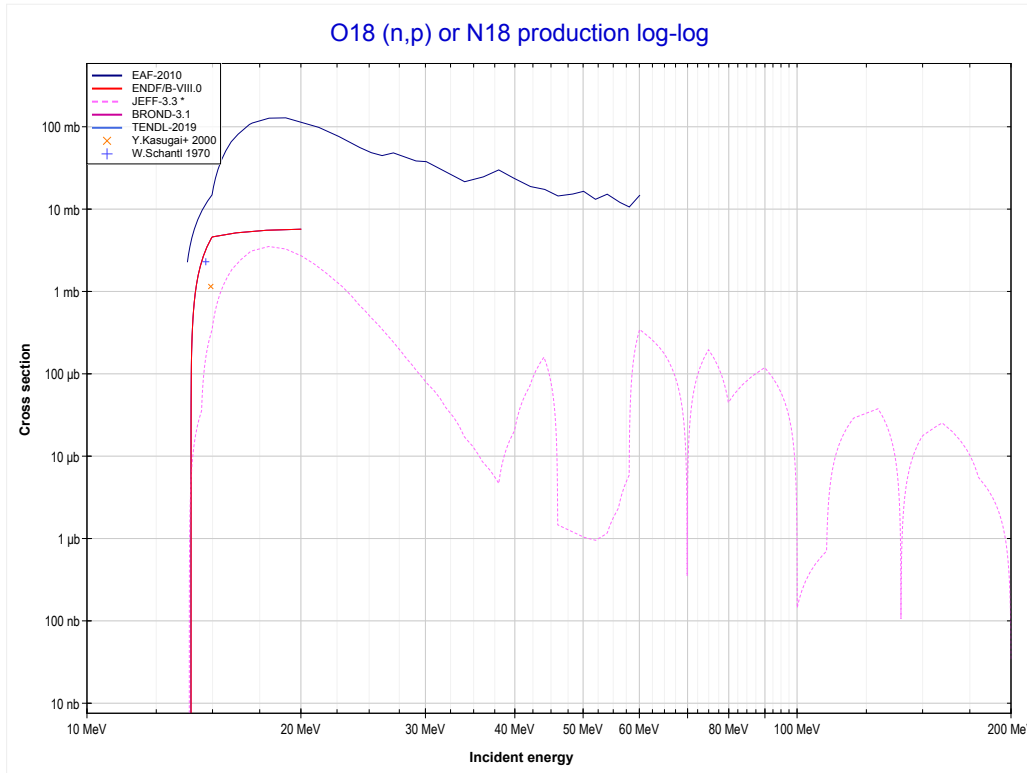
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52112E-5 b | 0.019283 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.06111E-5 b | 0.0561369 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52112E-5 b | 0.019283 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52146E-5 b | 0.019283 b |

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|-----------------|--|----------------|
| << 8-O-17 | 8-O-18 | 9-F-19 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (O19 production) | MT103 (n,p) >> |



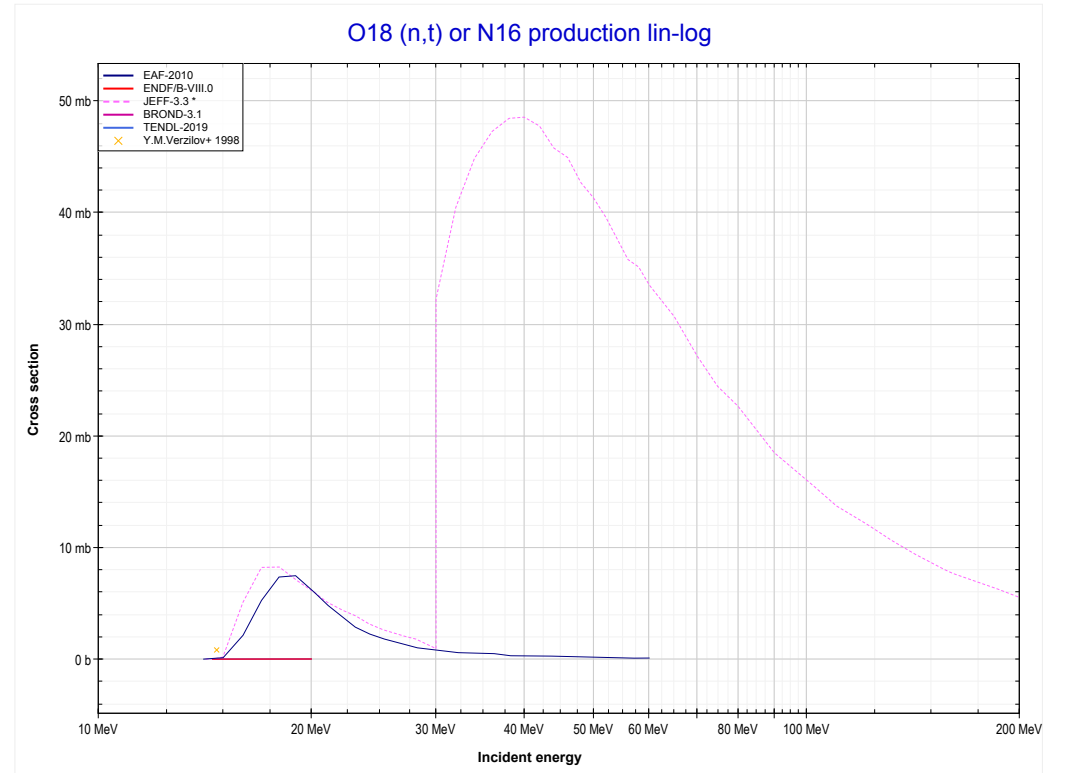
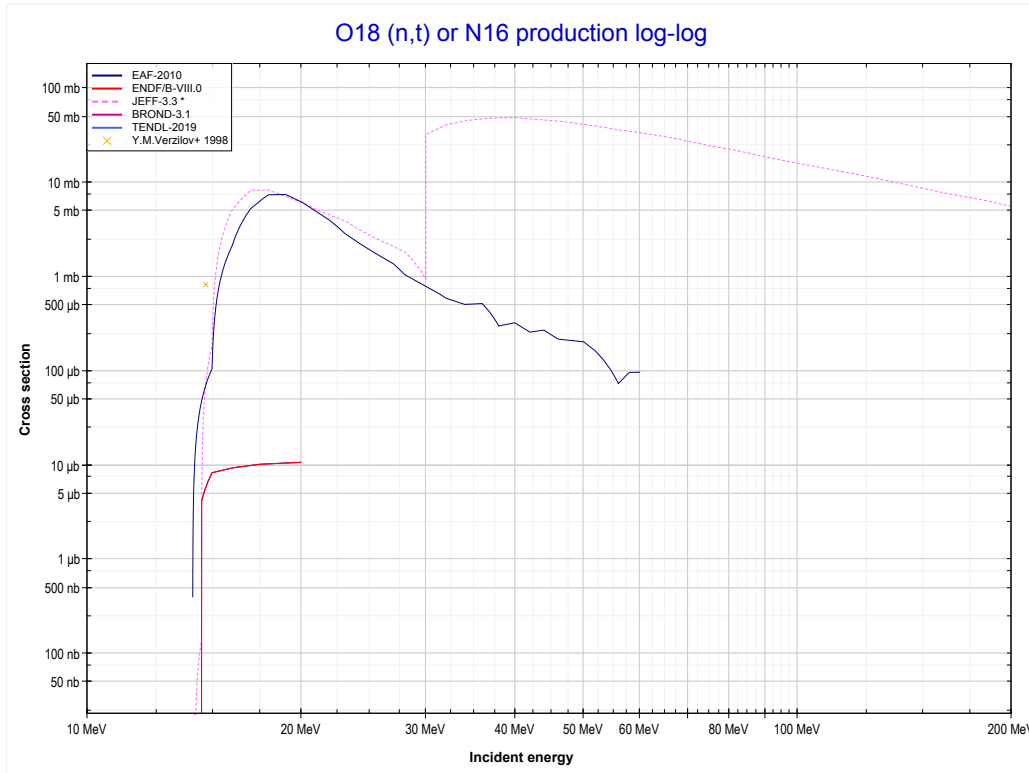
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.60001E-4 b | 1.59902E-4 b | 1.6051E-4 b | 1.00396 | 7.72691E-5 b | 5.76468E-5 b | 8.85299E-6 b |
| ENDF/B-VIII.0 | 1.54243E-4 b | 1.54243E-4 b | 1.5429E-4 b | 1.00033 | 6.946E-5 b | 2.0637E-4 b | 0.0011 b |
| JEFF-3.3 | 1.5905E-4 b | 1.5905E-4 b | 1.5912E-4 b | 1.00044 | 9.19355E-4 b | 2.3837E-5 b | 6.90574E-5 b |
| BROND-3.1 | 1.54243E-4 b | 1.54243E-4 b | 1.5429E-4 b | 1.00033 | 6.946E-5 b | 1.08184E-4 b | 0.0011 b |
| TENDL-2019 | 1.54187E-4 b | 1.54187E-4 b | 1.542E-4 b | 1.00006 | 6.93194E-5 b | 2.06271E-4 b | 0.0011 b |

| | | |
|-------------------------|--|----------------|
| << 8-O-17 | 8-O-18 | 9-F-19 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (N18 production) | MT105 (n,t) >> |



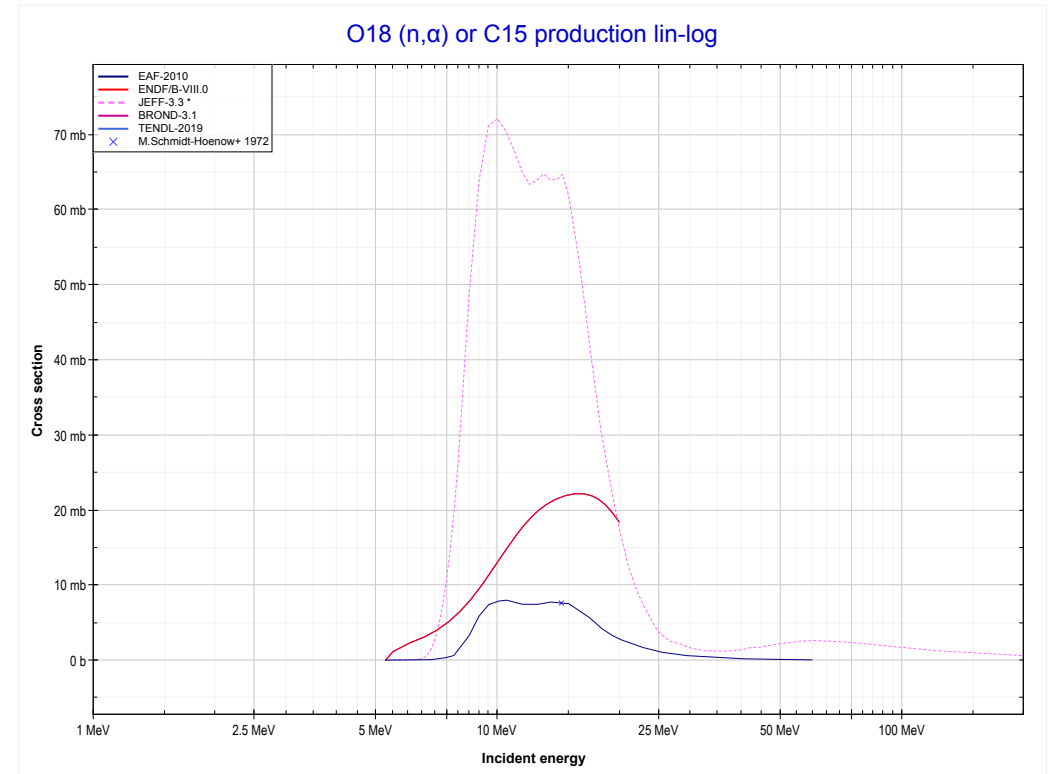
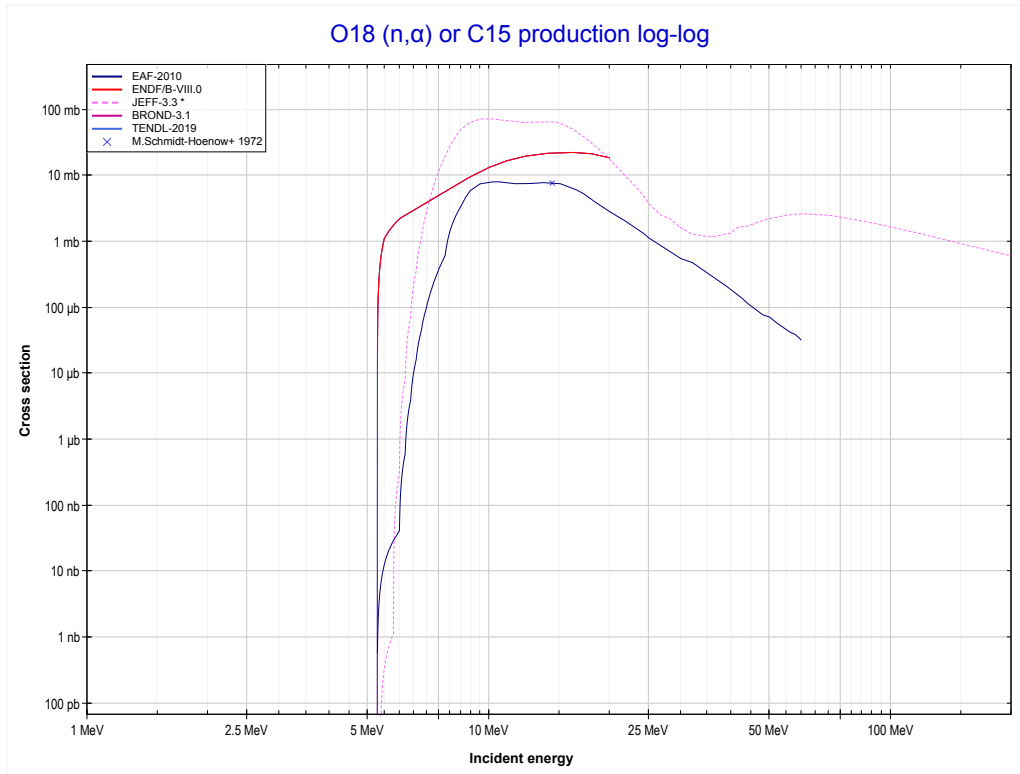
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.40826E-6 b | 0.00392799 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13014E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11666E-7 b | 4.14735E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13014E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13066E-7 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 8-O-17 | 8-O-18 | 10-Ne-20 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (N16 production) | MT107 (n, α) >> |



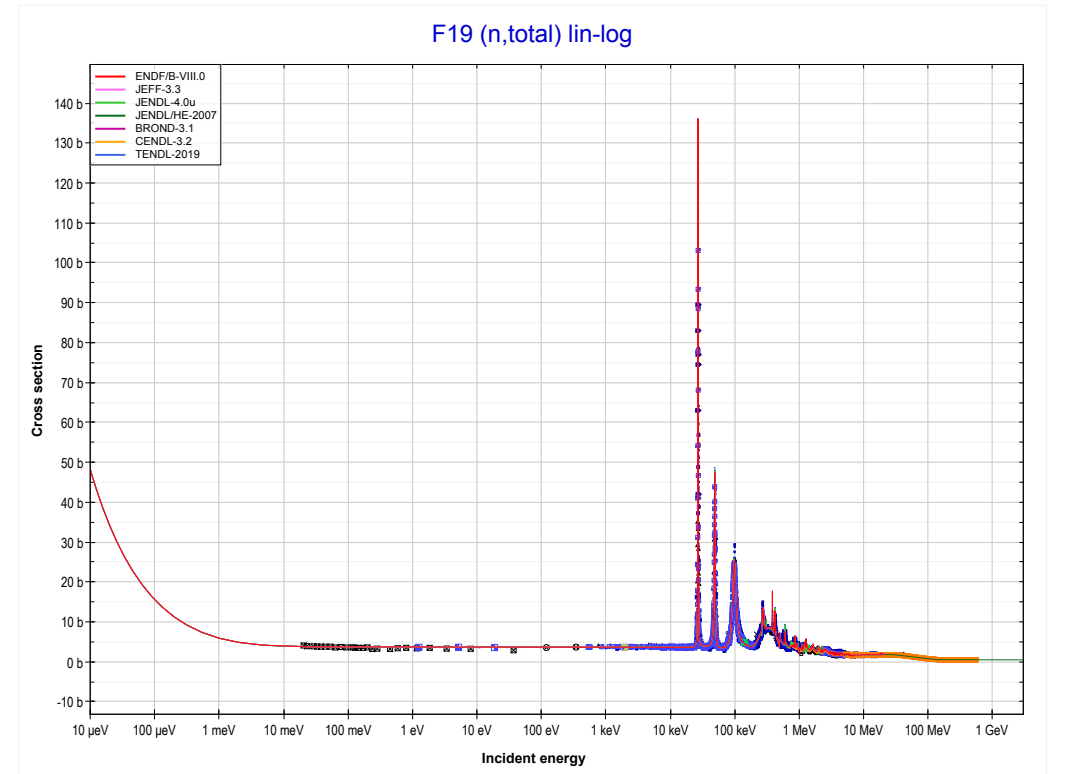
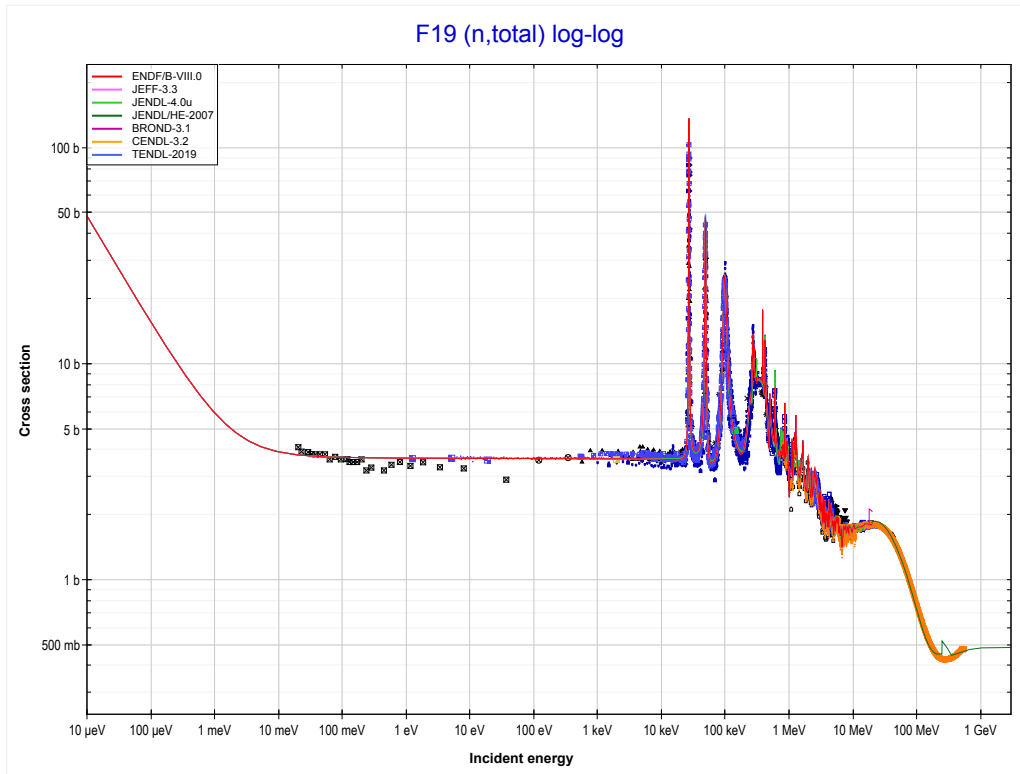
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65438E-7 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.80203E-10 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64816E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.80203E-10 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.51484E-10 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 8-O-17 | 8-O-18 | 9-F-19 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (C15 production) | 9-F-19 MT1 (n,total) >> |



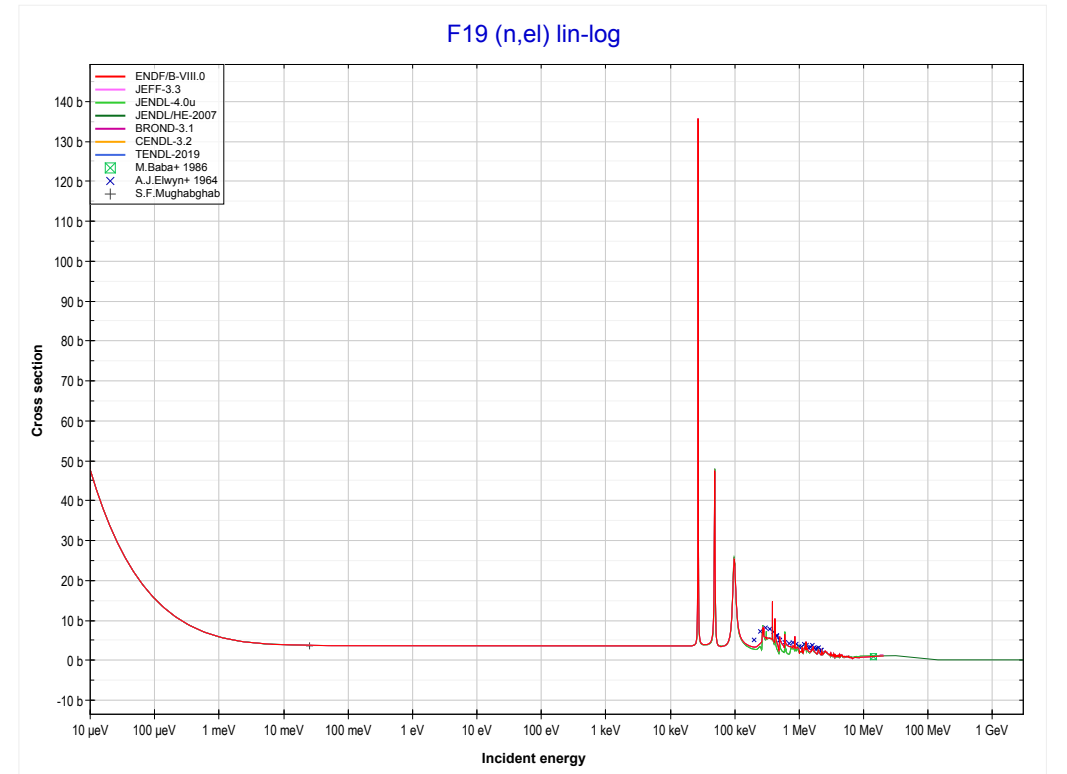
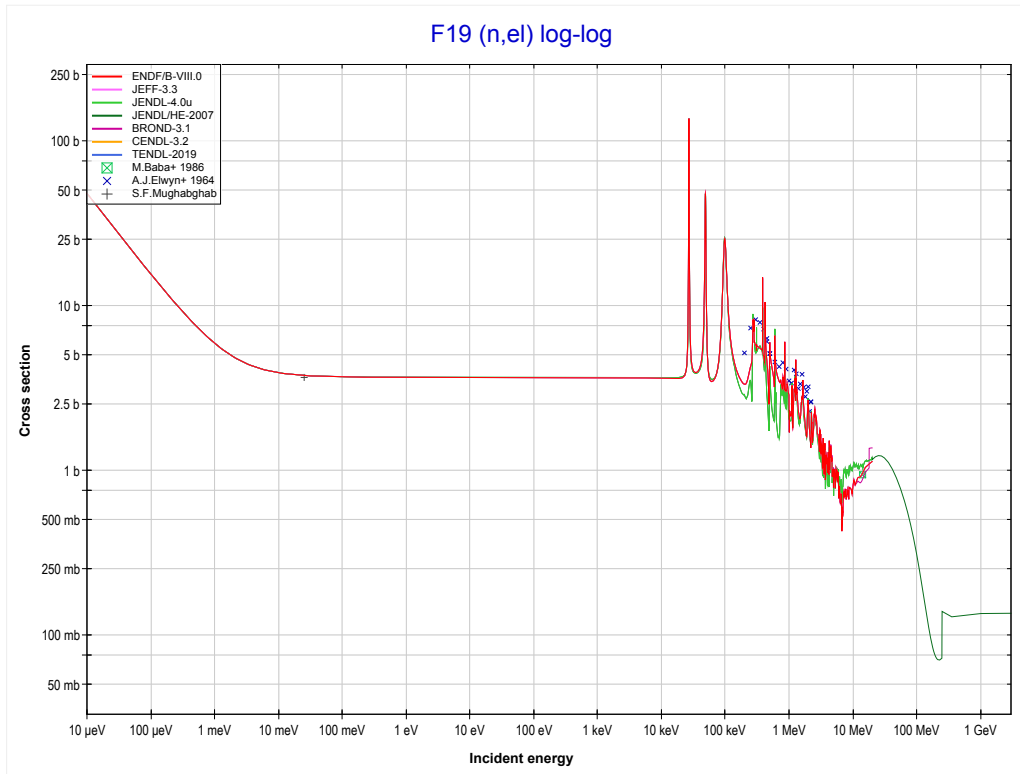
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.48501E-5 b | 0.00766352 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89278E-4 b | 0.021479 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.3863E-4 b | 0.0639428 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89278E-4 b | 0.021479 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89284E-4 b | 0.021479 b |

| | | |
|--------------------------------|----------------------|--------------------|
| << 8-O-18 | 9-F-19 | 10-Ne-20 >> |
| << 8-O-18 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



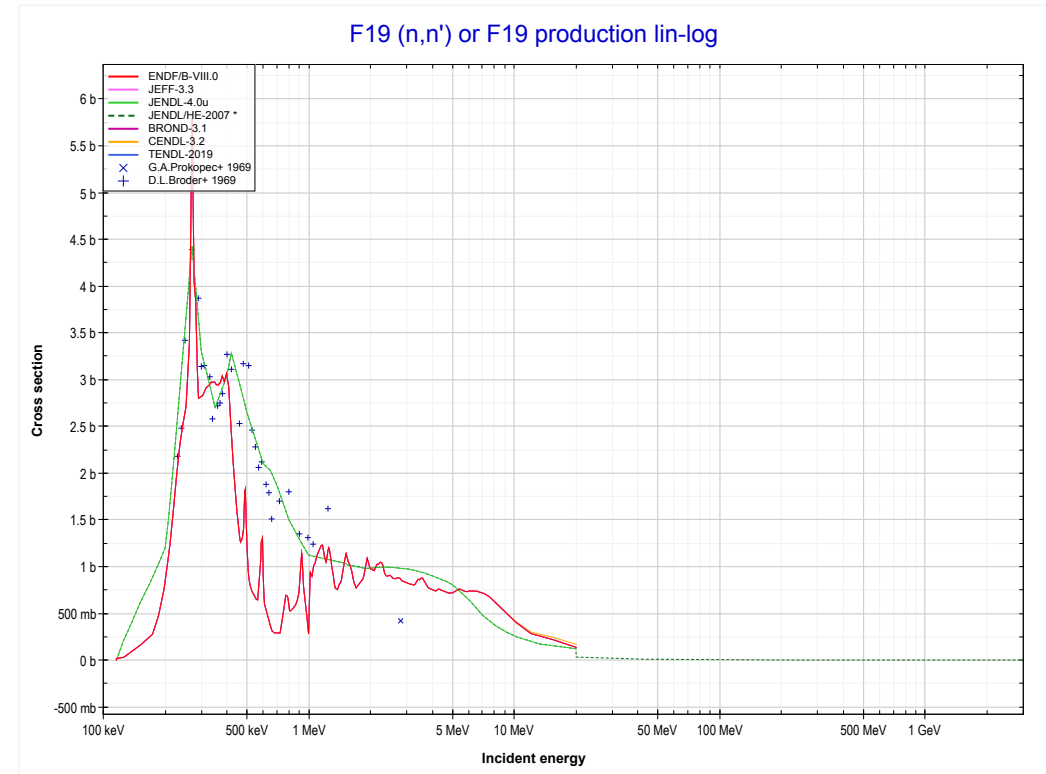
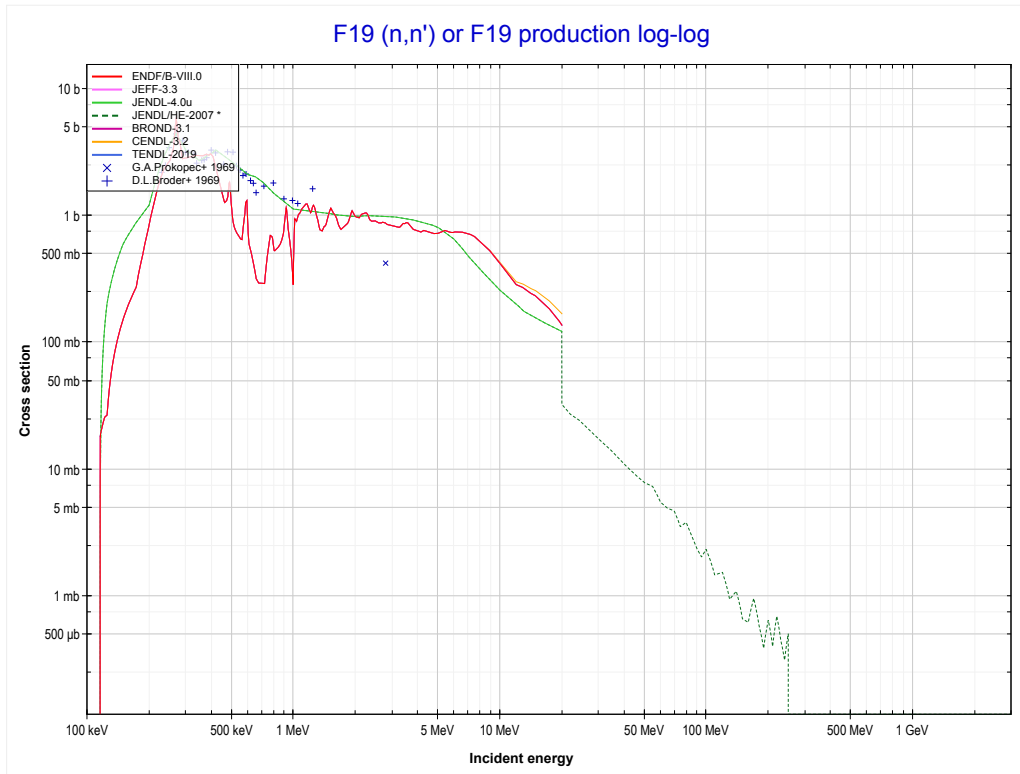
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.74753 b | 3.74753 b | 4.2261 b | 1.1277 | 51.4611 b | 3.63275 b | 1.76077 b |
| JEFF-3.3 | 3.74753 b | 3.74753 b | 4.2261 b | 1.1277 | 51.4611 b | 3.63562 b | 1.76077 b |
| JENDL-4.0u | 3.74896 b | 3.74896 b | 4.2277 b | 1.1277 | 51.1317 b | 3.64999 b | 1.74073 b |
| JENDL/HE-2007 | 3.74896 b | 3.74896 b | 4.2279 b | 1.12775 | 51.1452 b | 3.64999 b | 1.74073 b |
| BROND-3.1 | 3.74873 b | 3.74873 b | 4.2288 b | 1.12805 | 51.4771 b | 3.63295 b | 1.76092 b |
| CENDL-3.2 | 3.74753 b | 3.74753 b | 4.2263 b | 1.12775 | 51.4739 b | 3.63587 b | 1.76077 b |
| TENDL-2019 | 3.74753 b | 3.74753 b | 4.2263 b | 1.12775 | 51.4722 b | 3.63307 b | 1.7609 b |

| | | |
|------------------|------------------------|---------------|
| << 8-O-18 | 9-F-19 | 10-Ne-20 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



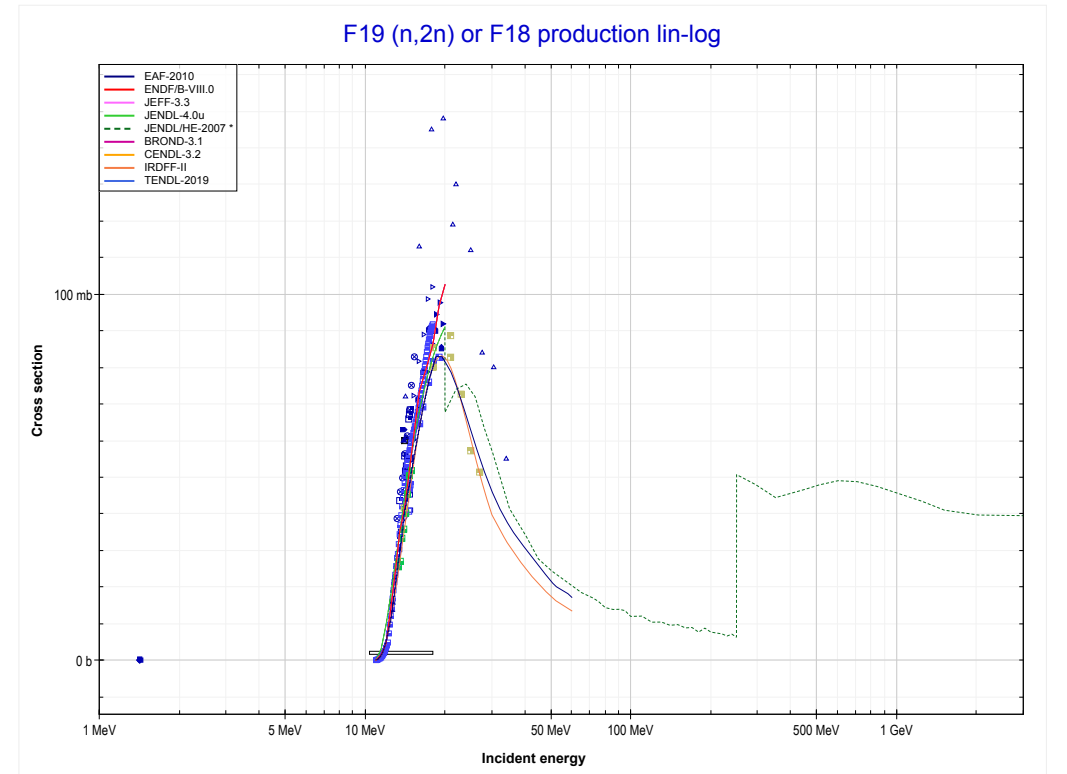
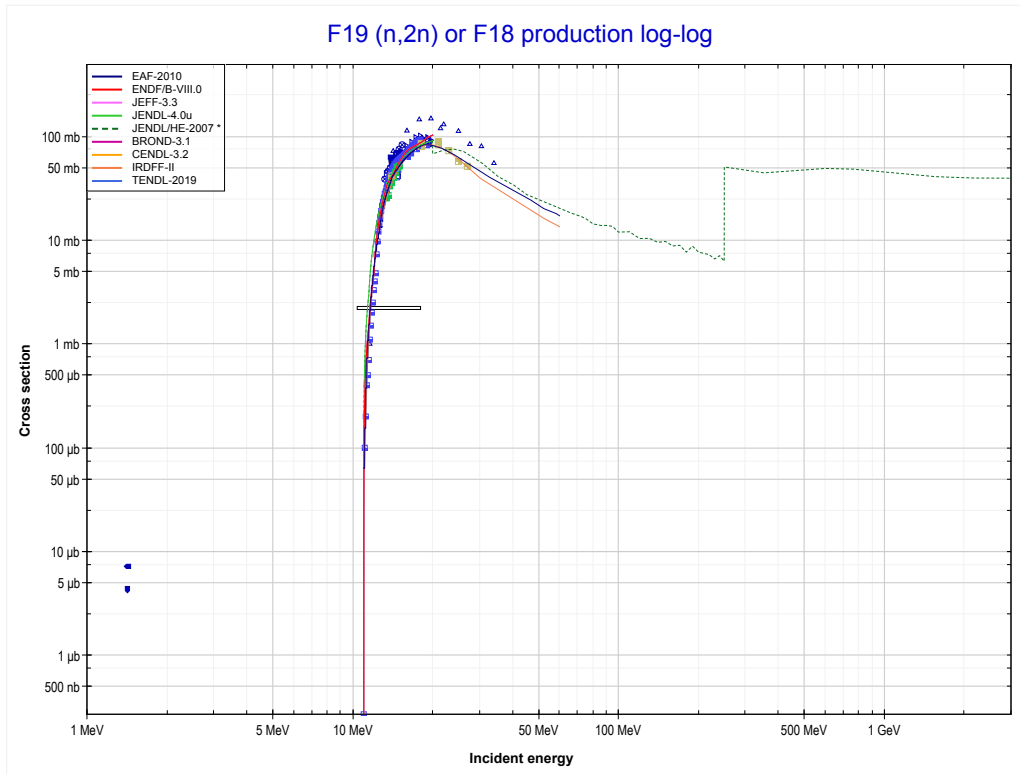
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.73795 b | 3.73795 b | 4.2165 b | 1.12803 | 51.4459 b | 2.64004 b | 0.94755 b |
| JEFF-3.3 | 3.73795 b | 3.73795 b | 4.2165 b | 1.12803 | 51.4459 b | 2.6429 b | 0.94755 b |
| JENDL-4.0u | 3.73939 b | 3.73939 b | 4.2181 b | 1.12803 | 51.1137 b | 2.35221 b | 1.04591 b |
| JENDL/HE-2007 | 3.73939 b | 3.73939 b | 4.2183 b | 1.12807 | 51.1313 b | 2.35226 b | 1.04591 b |
| BROND-3.1 | 3.73915 b | 3.73915 b | 4.2192 b | 1.12838 | 51.4619 b | 2.64087 b | 0.868722 b |
| CENDL-3.2 | 3.73796 b | 3.73796 b | 4.2167 b | 1.12807 | 51.4631 b | 2.643 b | 0.94755 b |
| TENDL-2019 | 3.73795 b | 3.73795 b | 4.2167 b | 1.12807 | 51.4631 b | 2.64013 b | 0.94755 b |

| | | |
|--------------------|---|----------------|
| << 8-O-18 | 9-F-19 | 11-Na-23 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (F19 production) | MT16 (n,2n) >> |



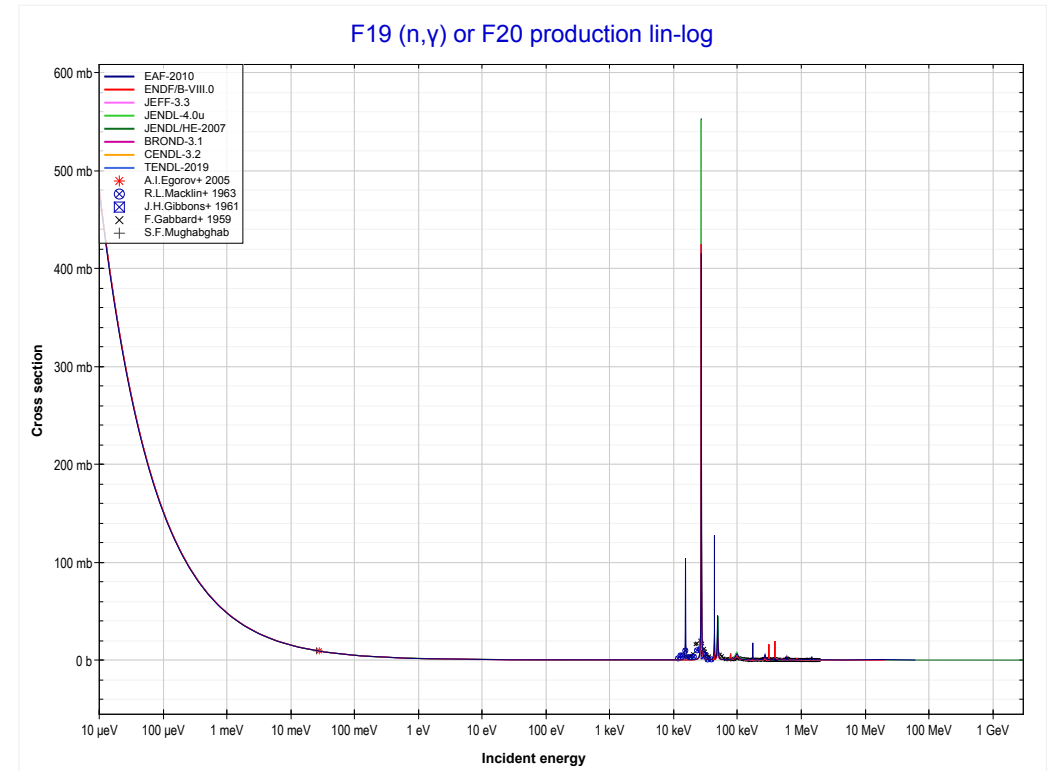
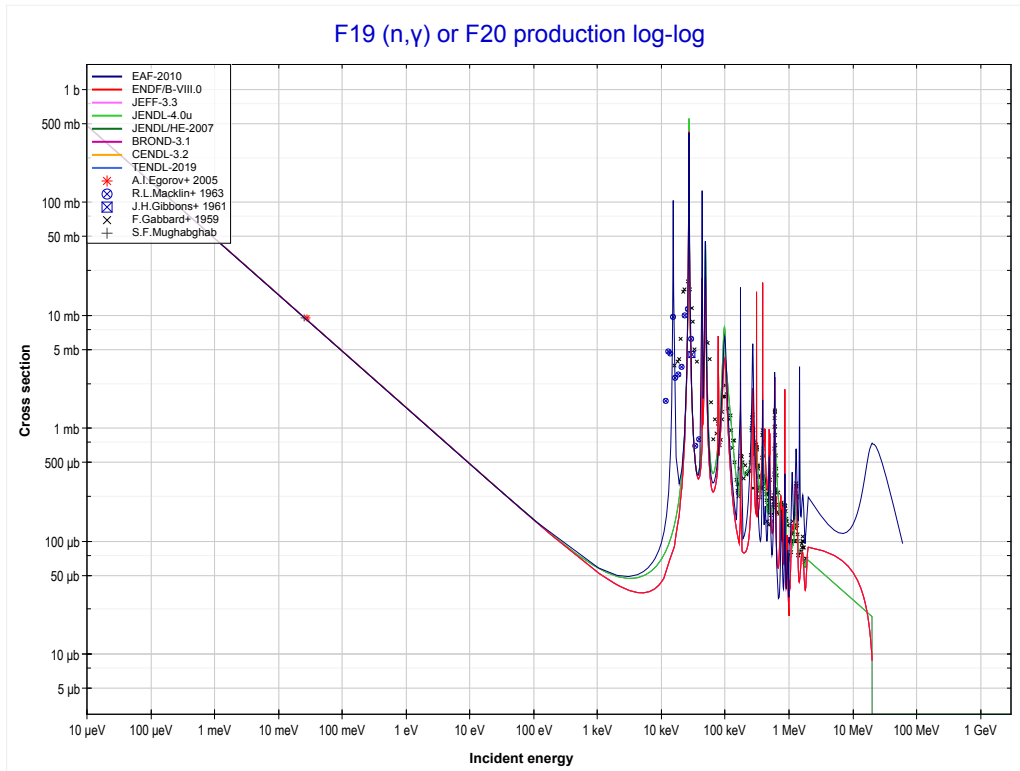
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.970493 b | 0.244557 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.970494 b | 0.244557 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.27579 b | 0.164217 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27574 b | 0.164217 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.970491 b | 0.244557 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.970513 b | 0.266081 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.970502 b | 0.24456 b |

| | | |
|---------------|--|-------------------------|
| << 8-O-16 | 9-F-19 | 11-Na-23 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (F18 production) | MT102 (n, γ) >> |



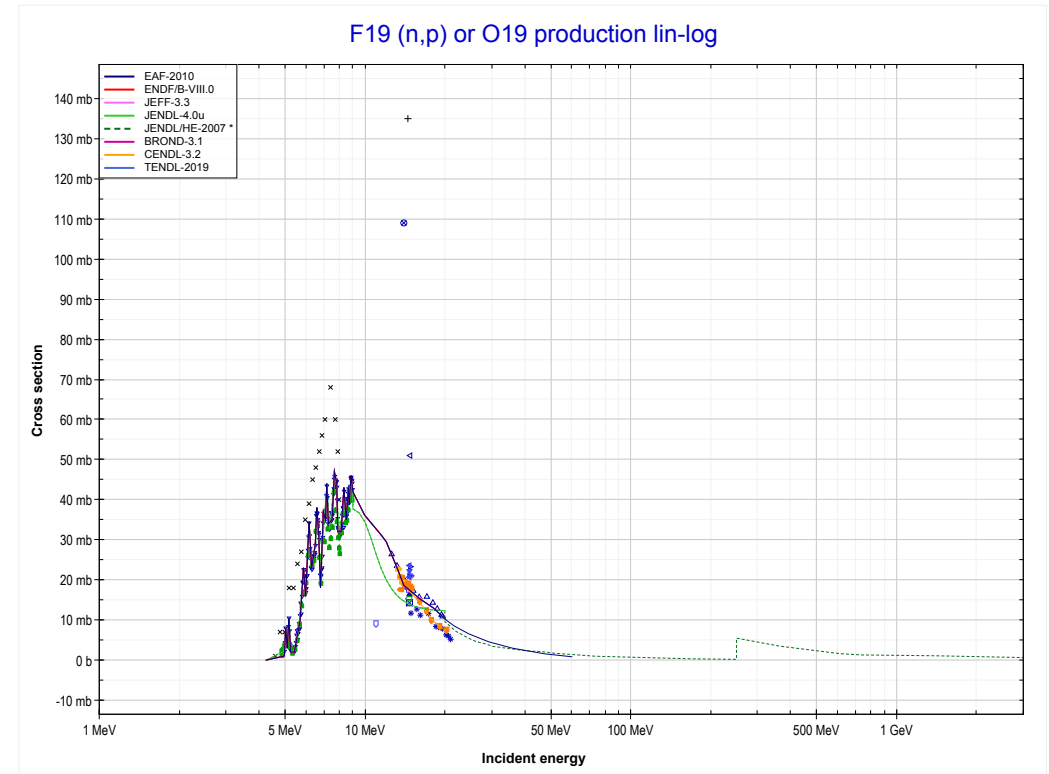
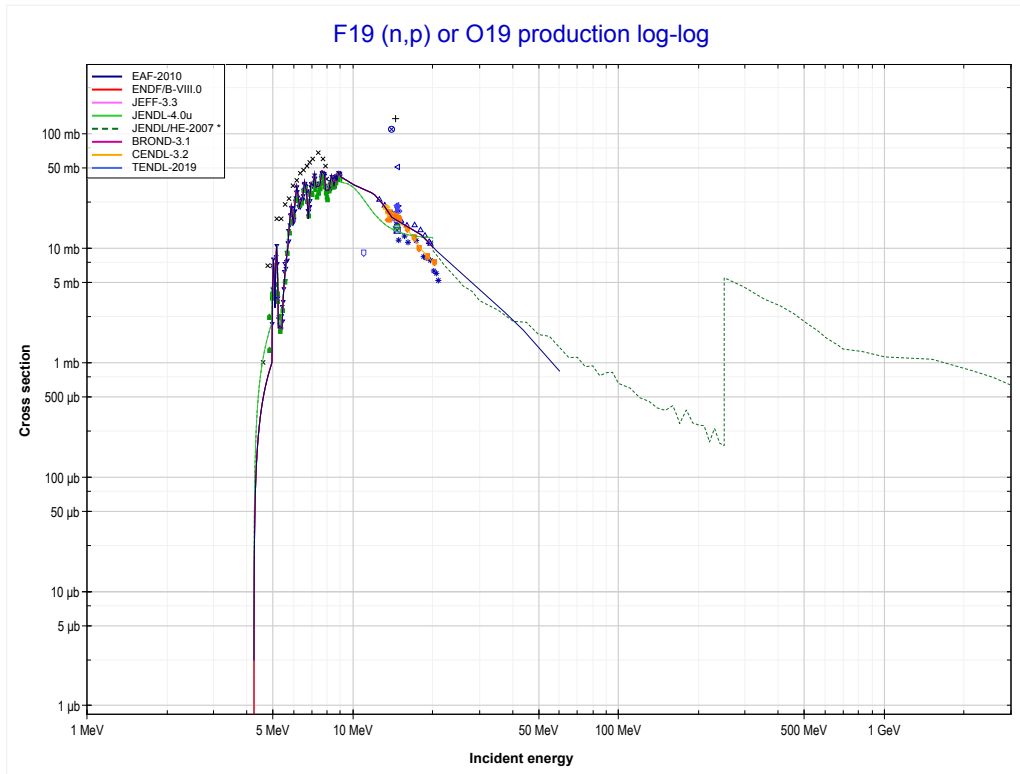
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32569E-5 b | 0.0397233 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50289E-5 b | 0.0405167 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50289E-5 b | 0.0405167 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.69134E-5 b | 0.04294 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69133E-5 b | 0.04294 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50292E-5 b | 0.0405167 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50288E-5 b | 0.0405167 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 1.25553E-5 b | 0.0346351 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50288E-5 b | 0.0405167 b |

| | | |
|----------------|--|----------------|
| << 8-O-18 | 9-F-19 | 10-Ne-20 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (F20 production) | MT103 (n,p) >> |



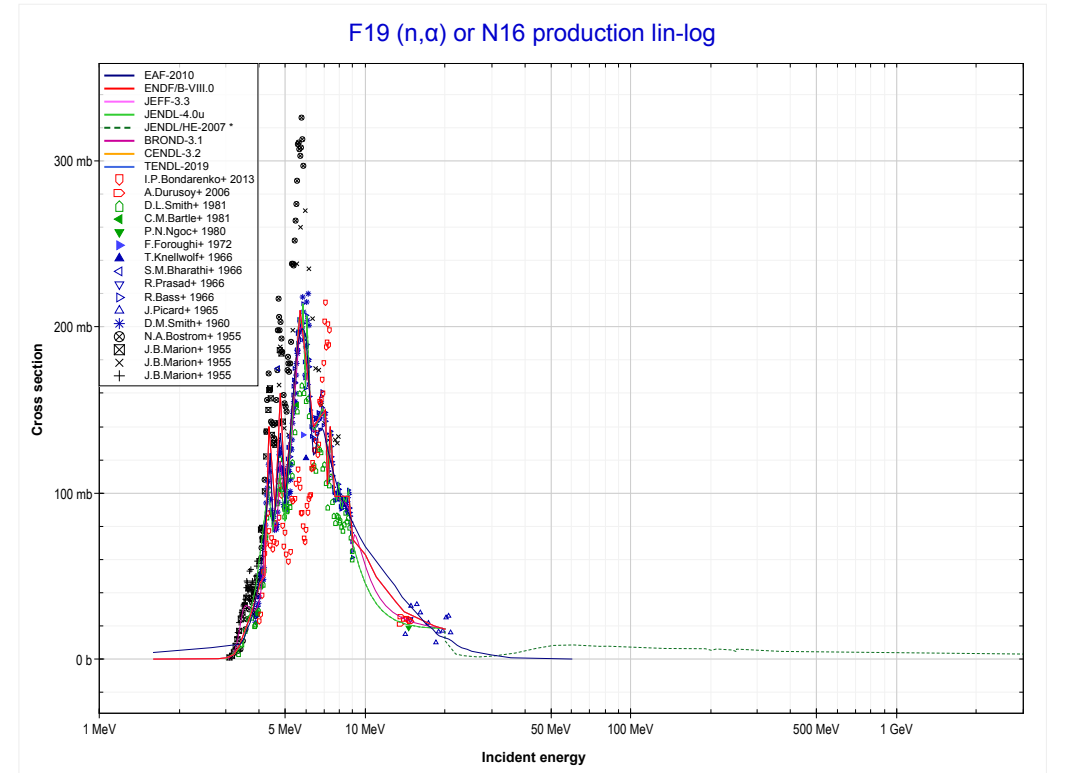
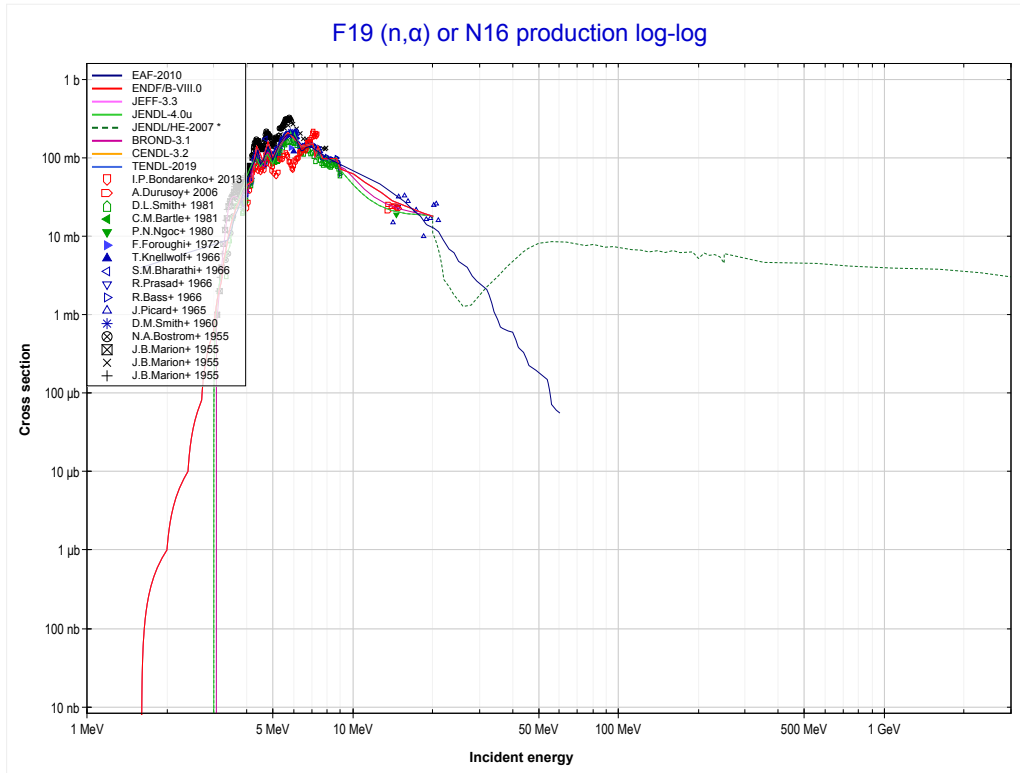
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.00951109 b | 0.00950397 b | 0.0095012 b | 0.99971 | 0.0198956 b | 3.19208E-4 b | 2.70687E-4 b |
| ENDF/B-VIII.0 | 0.00957877 b | 0.00957877 b | 0.009582 b | 1.00034 | 0.0151892 b | 2.08027E-4 b | 3.53928E-5 b |
| JEFF-3.3 | 0.00957877 b | 0.00957877 b | 0.009582 b | 1.00034 | 0.0151892 b | 2.08027E-4 b | 3.53928E-5 b |
| JENDL-4.0u | 0.00957334 b | 0.00957334 b | 0.0095765 b | 1.00033 | 0.0179848 b | 2.21309E-4 b | 2.5657E-5 b |
| JENDL/HE-2007 | 0.00956988 b | 0.00956988 b | 0.0095705 b | 1.00007 | 0.0179654 b | 2.21241E-4 b | 2.5657E-5 b |
| BROND-3.1 | 0.00958355 b | 0.00958355 b | 0.0095868 b | 1.00034 | 0.0151936 b | 2.0803E-4 b | 3.53928E-5 b |
| CENDL-3.2 | 0.00957836 b | 0.00957836 b | 0.009579 b | 1.00007 | 0.0151791 b | 2.08016E-4 b | 3.53927E-5 b |
| TENDL-2019 | 0.00957836 b | 0.00957836 b | 0.009579 b | 1.00007 | 0.0151791 b | 2.08016E-4 b | 3.53927E-5 b |

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|-------------------------|--|-------------------------|
| << 8-O-18 | 9-F-19 | 11-Na-22 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (O19 production) | MT107 (n, α) >> |



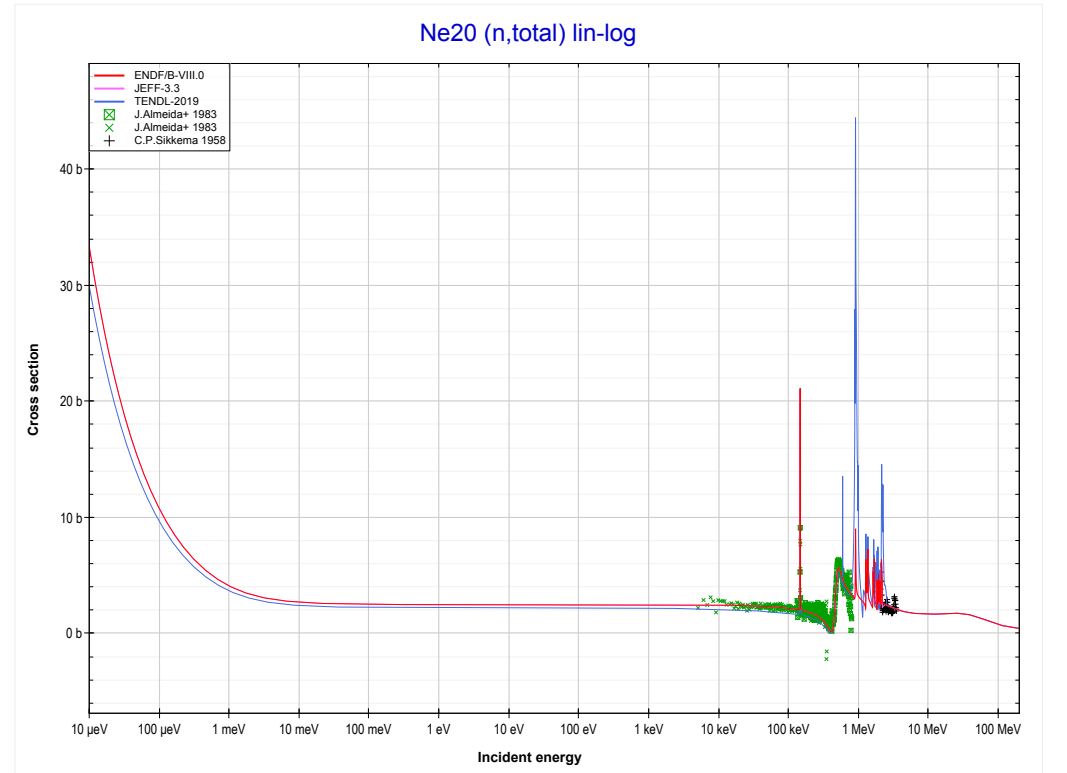
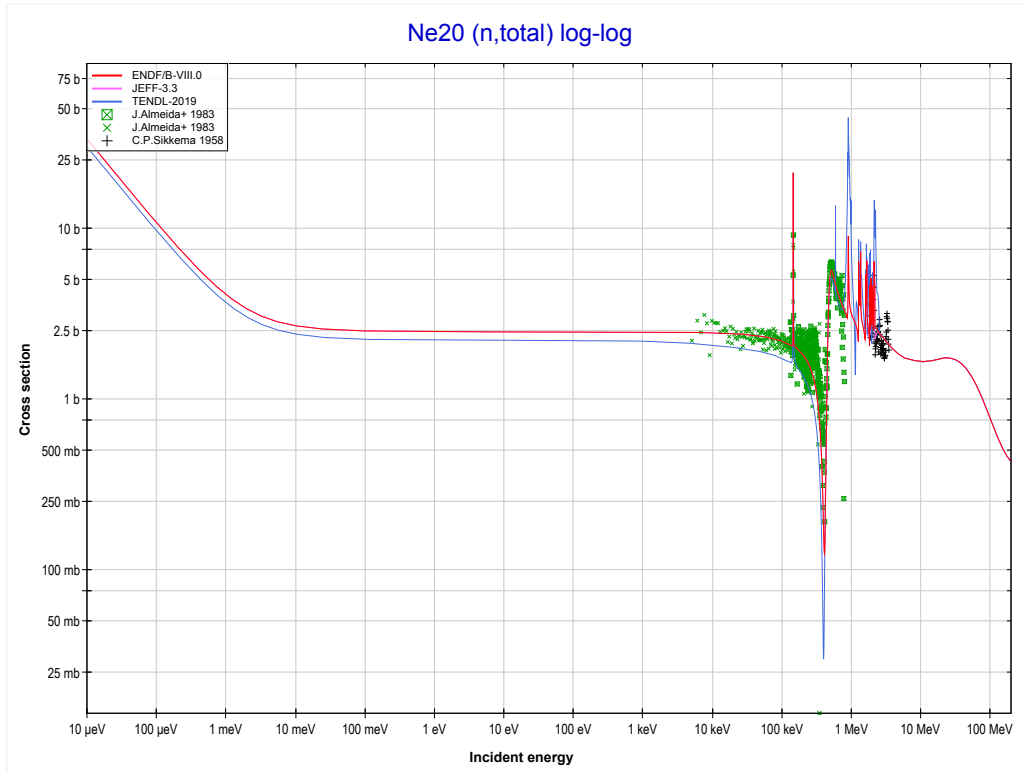
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126706 b | 0.0186 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126706 b | 0.0186 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126706 b | 0.0186 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128472 b | 0.01466 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128473 b | 0.01466 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126706 b | 0.0186 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126699 b | 0.0186 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126707 b | 0.0186 b |

| | | |
|----------------|--|---------------------------|
| << 8-O-18 | 9-F-19 | 10-Ne-20 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (N16 production) | 10-Ne-20 MT1 (n,total) >> |



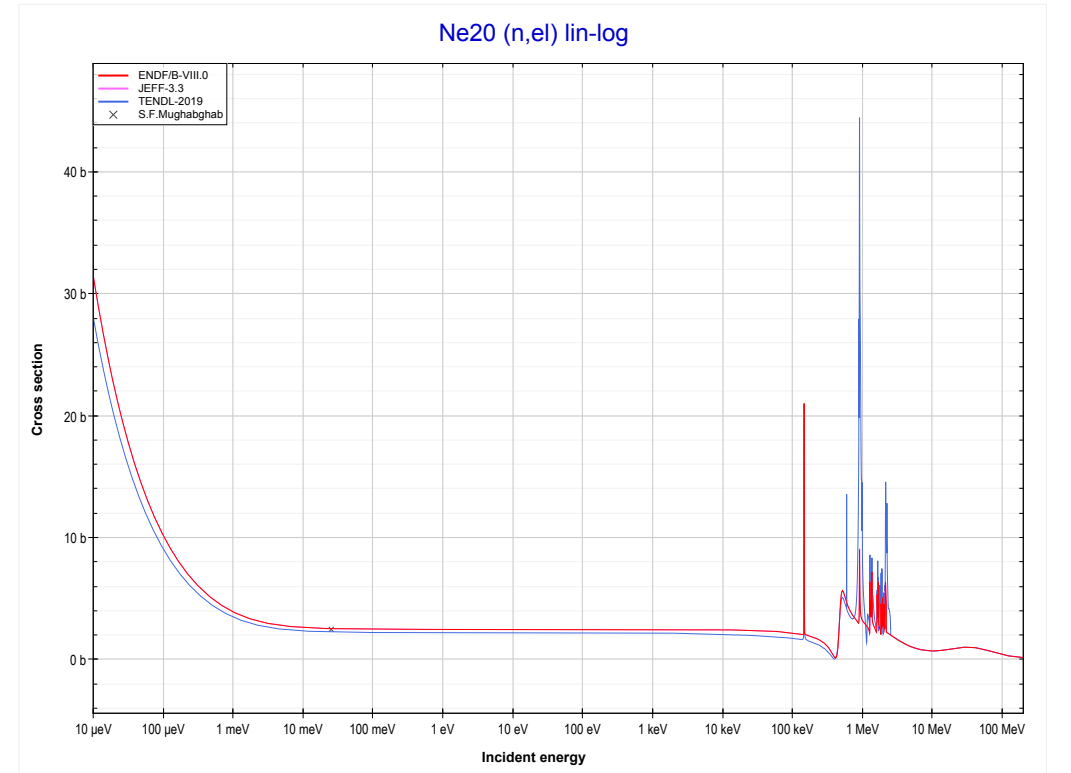
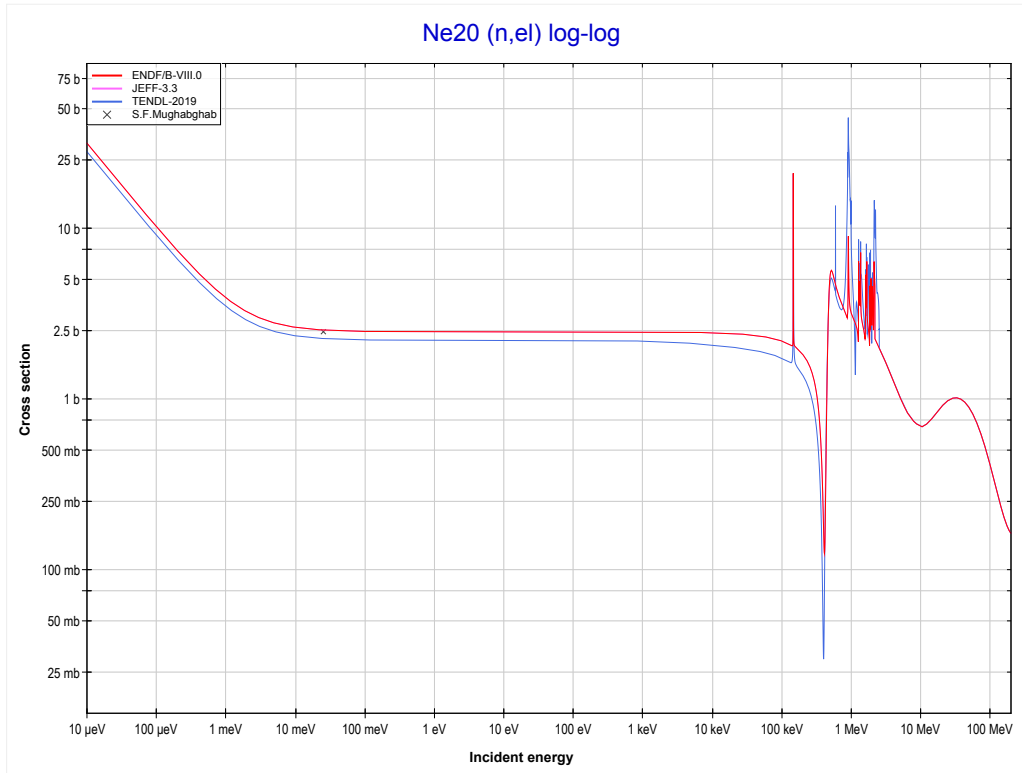
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0161436 b | 0.036 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0155491 b | 0.02862 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0155491 b | 0.02862 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0149 b | 0.02134 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0149 b | 0.02134 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.014877 b | 0.0242991 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0155492 b | 0.02862 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0155492 b | 0.02862 b |

| | | |
|--------------------------------|----------------------|--------------------|
| << 9-F-19 | 10-Ne-20 | 10-Ne-21 >> |
| << 9-F-19 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



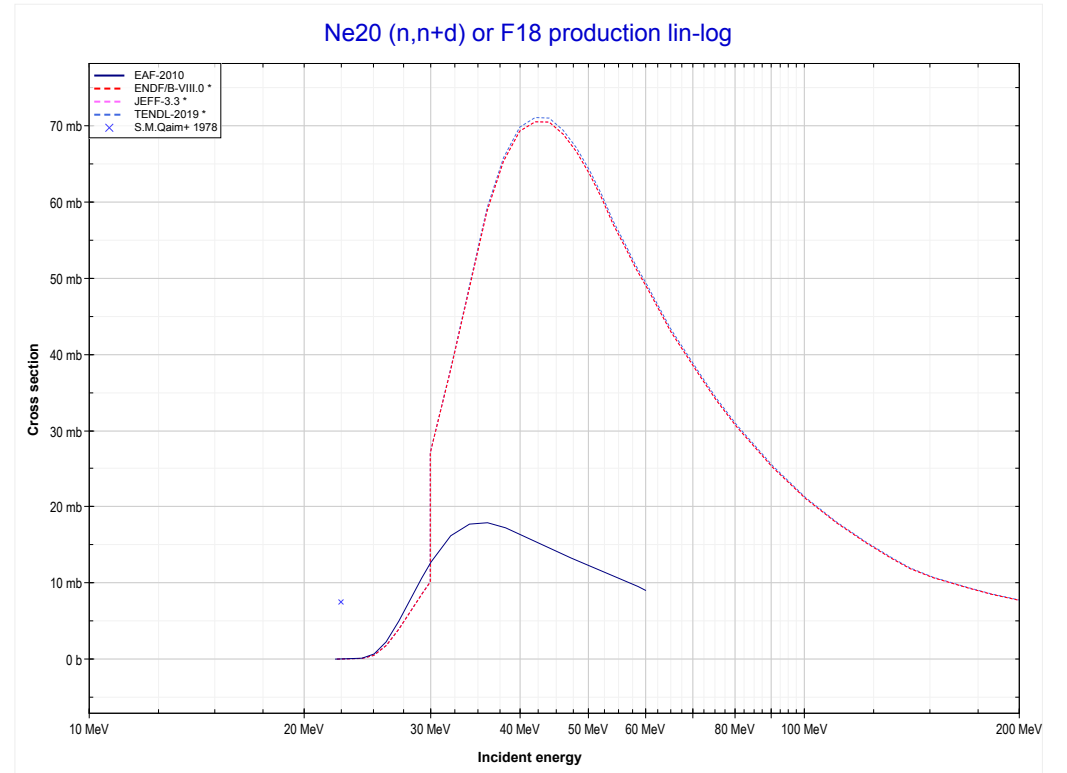
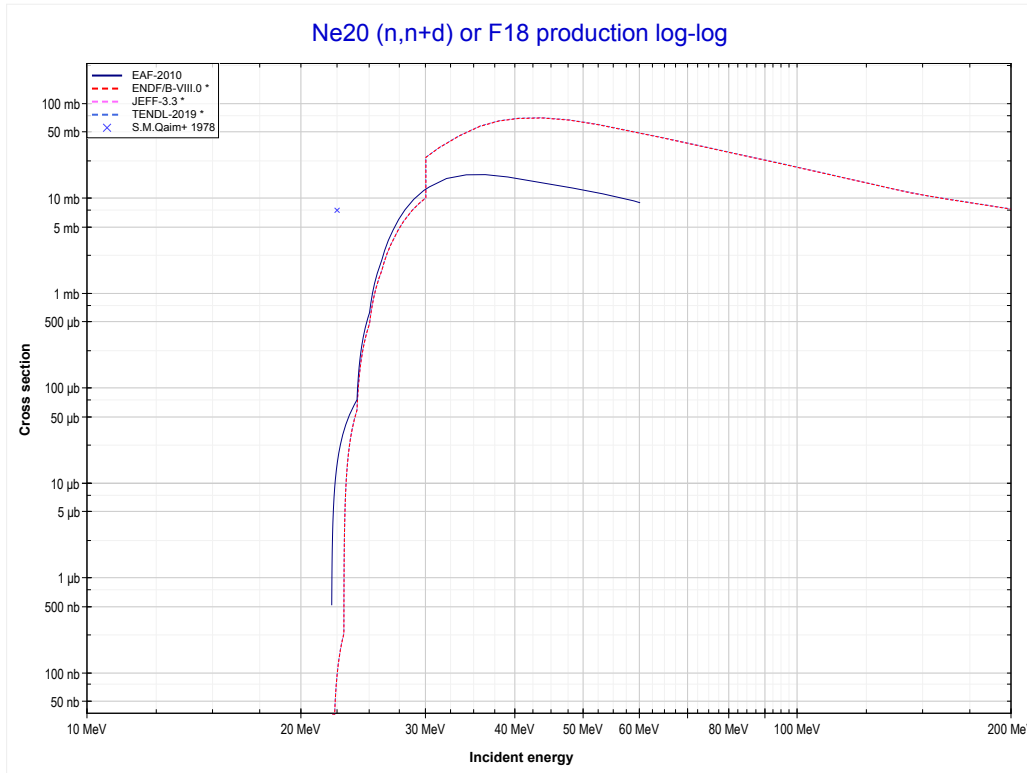
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.5619 b | 2.5619 b | 2.8853 b | 1.12622 | 29.8089 b | 2.77709 b | 1.66542 b |
| JEFF-3.3 | 2.5619 b | 2.5619 b | 2.8853 b | 1.12622 | 29.8089 b | 2.76839 b | 1.66542 b |
| TENDL-2019 | 2.28865 b | 2.28865 b | 2.5771 b | 1.12604 | 26.0615 b | 4.14712 b | 1.6654 b |

| | | |
|------------------|------------------------|-----------------|
| << 9-F-19 | 10-Ne-20 | 10-Ne-21 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT32 (n,n+d) >> |



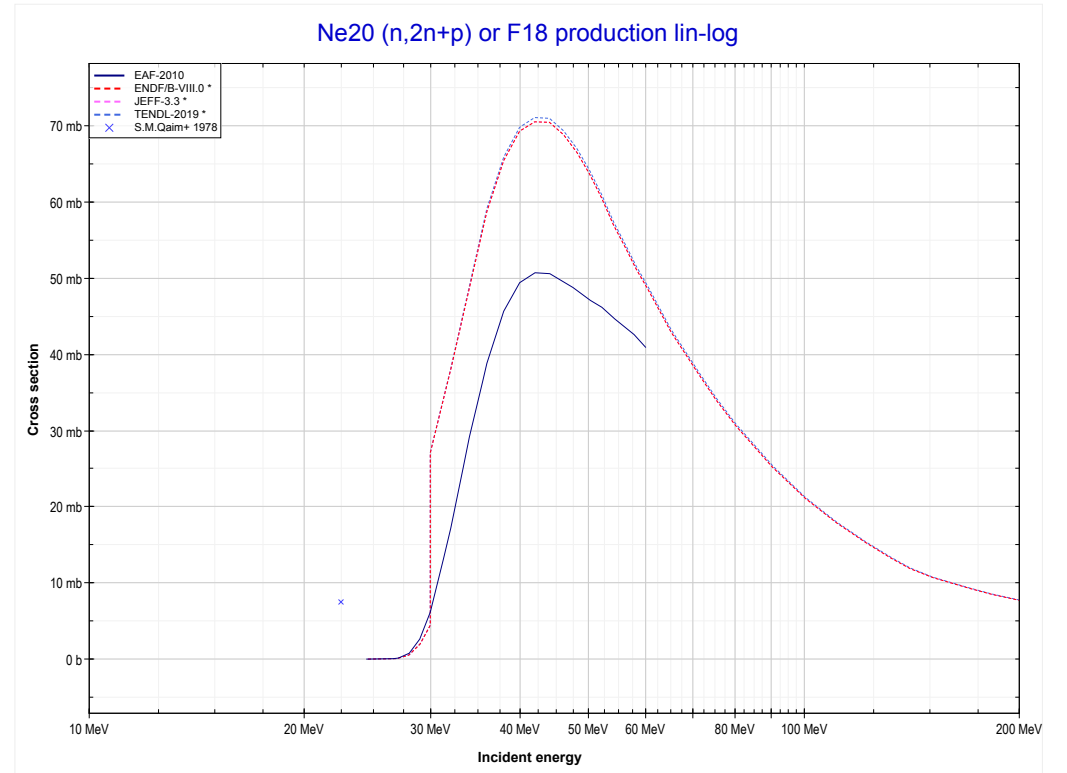
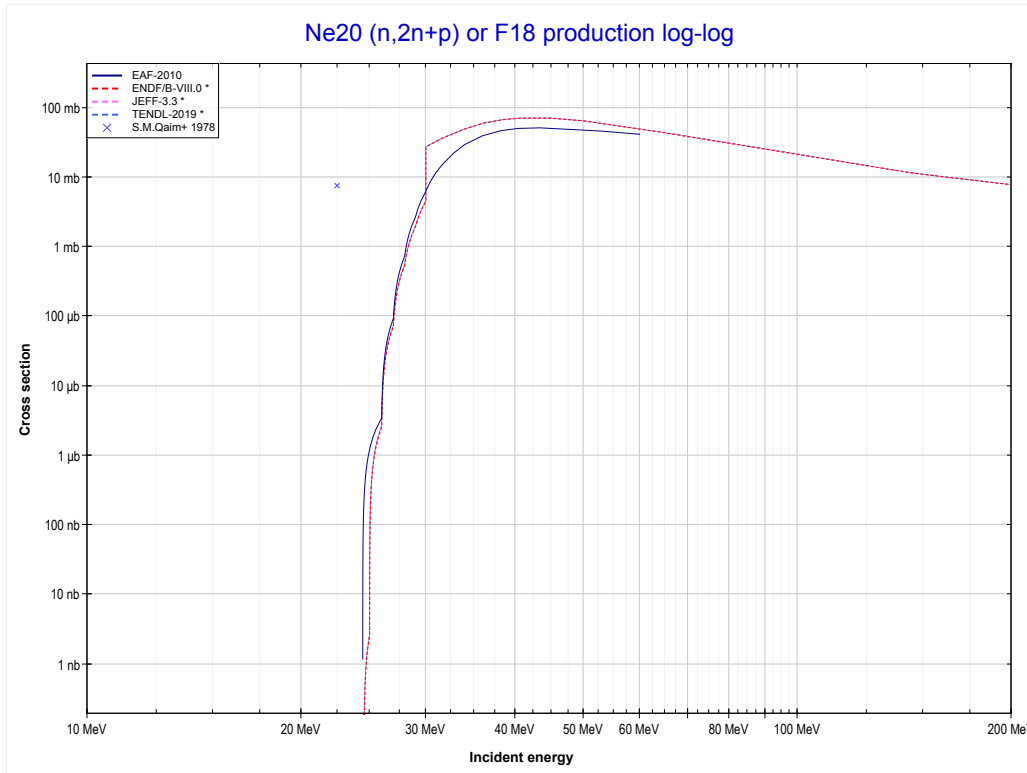
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.52501 b | 2.52501 b | 2.8484 b | 1.12806 | 29.7923 b | 2.56235 b | 0.750338 b |
| JEFF-3.3 | 2.52501 b | 2.52501 b | 2.8484 b | 1.12806 | 29.7923 b | 2.56235 b | 0.750338 b |
| TENDL-2019 | 2.25165 b | 2.25165 b | 2.5401 b | 1.12811 | 26.0421 b | 3.96143 b | 0.750385 b |

| | | |
|--------------------|---|------------------|
| << 3-Li-6 | 10-Ne-20 | 12-Mg-24 >> |
| << MT2 (n,elastic) | MT32 (n,n+d) or MT5 (F18 production) | MT41 (n,2n+p) >> |



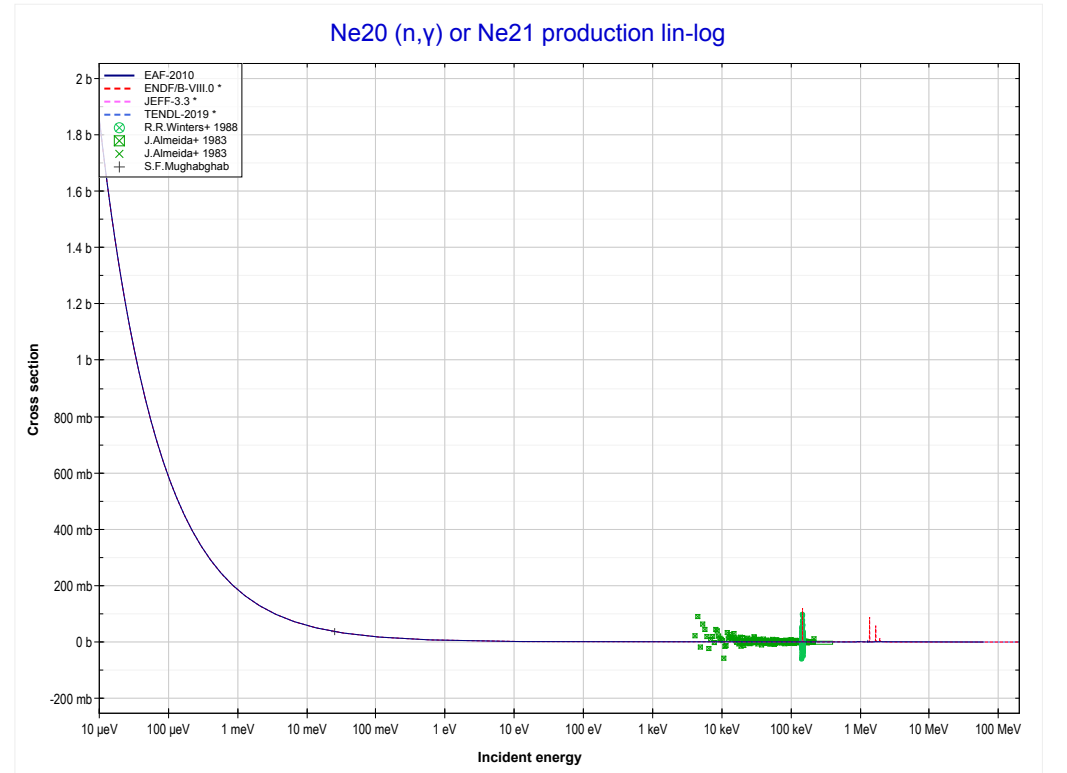
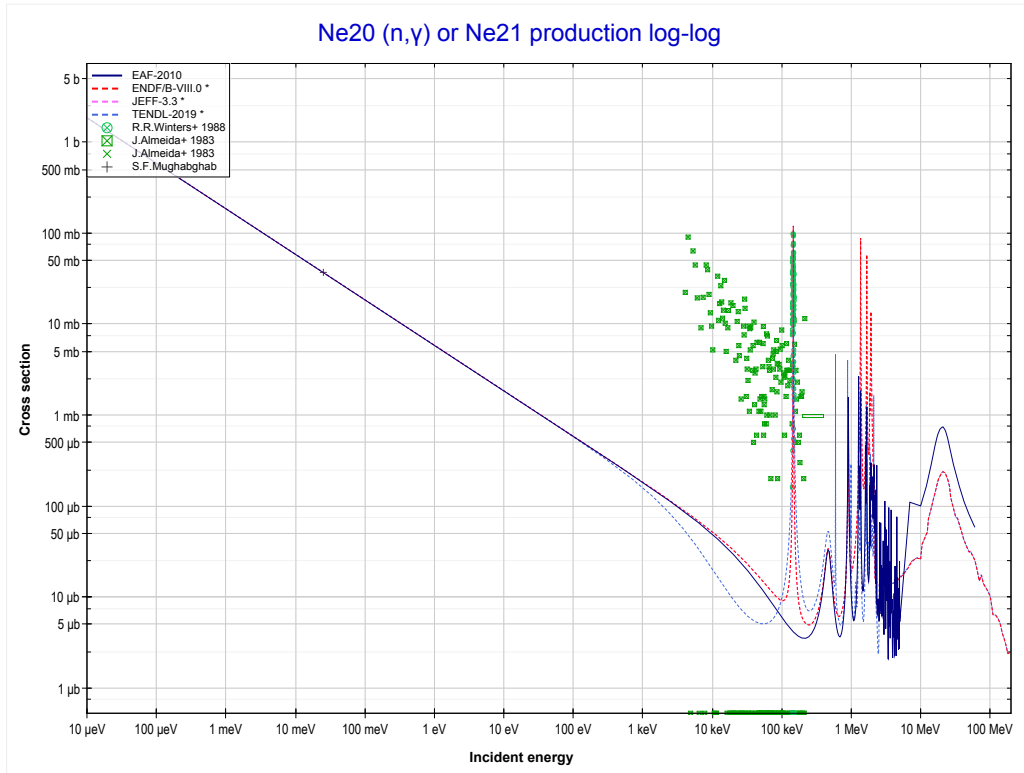
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|-----------------|--|-------------------------|
| | 10-Ne-20 | 12-Mg-24 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (F18 production) | MT102 (n, γ) >> |



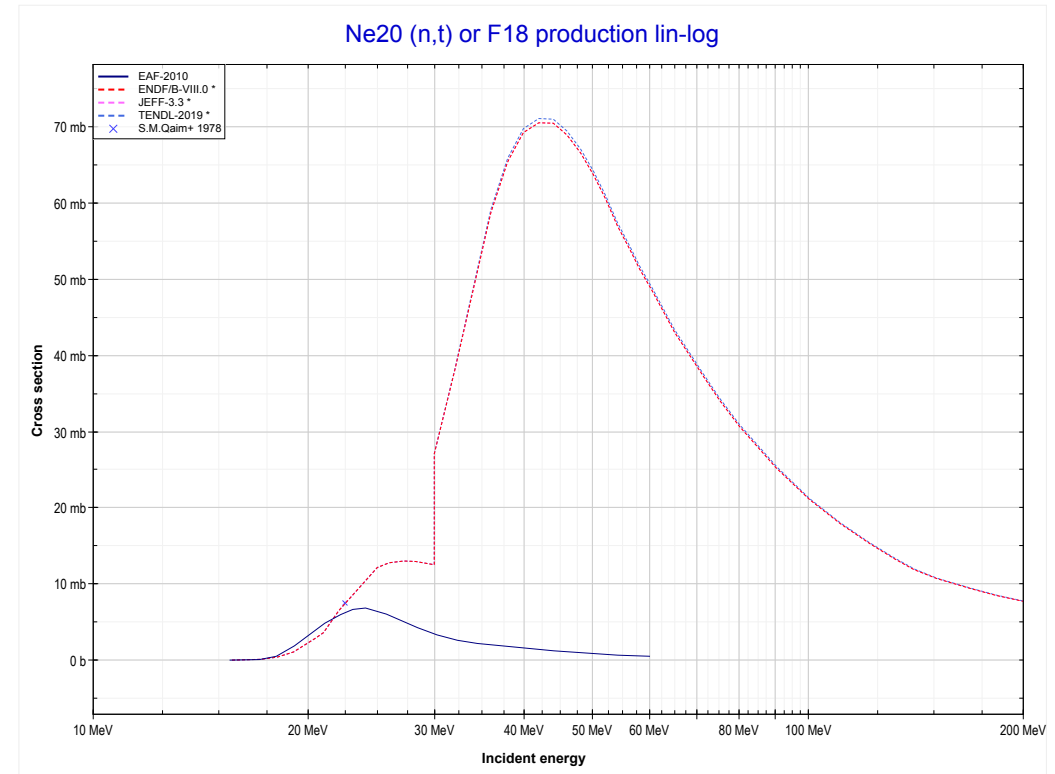
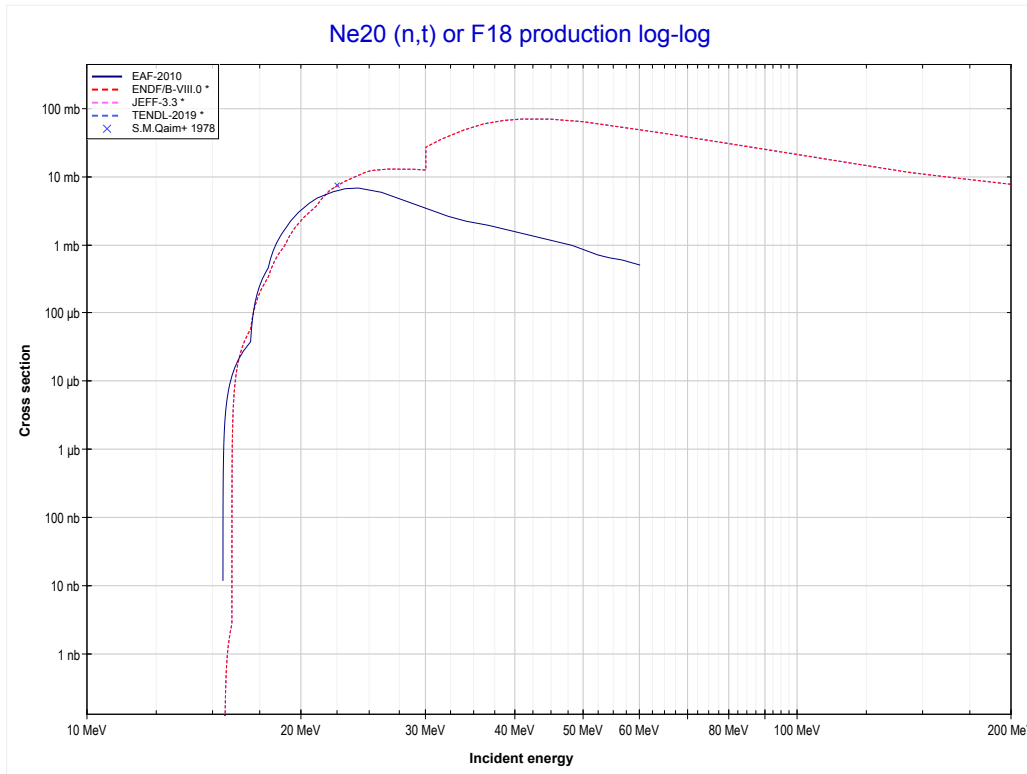
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|------------------|---|----------------|
| << 9-F-19 | 10-Ne-20 | 10-Ne-21 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ne21 production) | MT105 (n,t) >> |



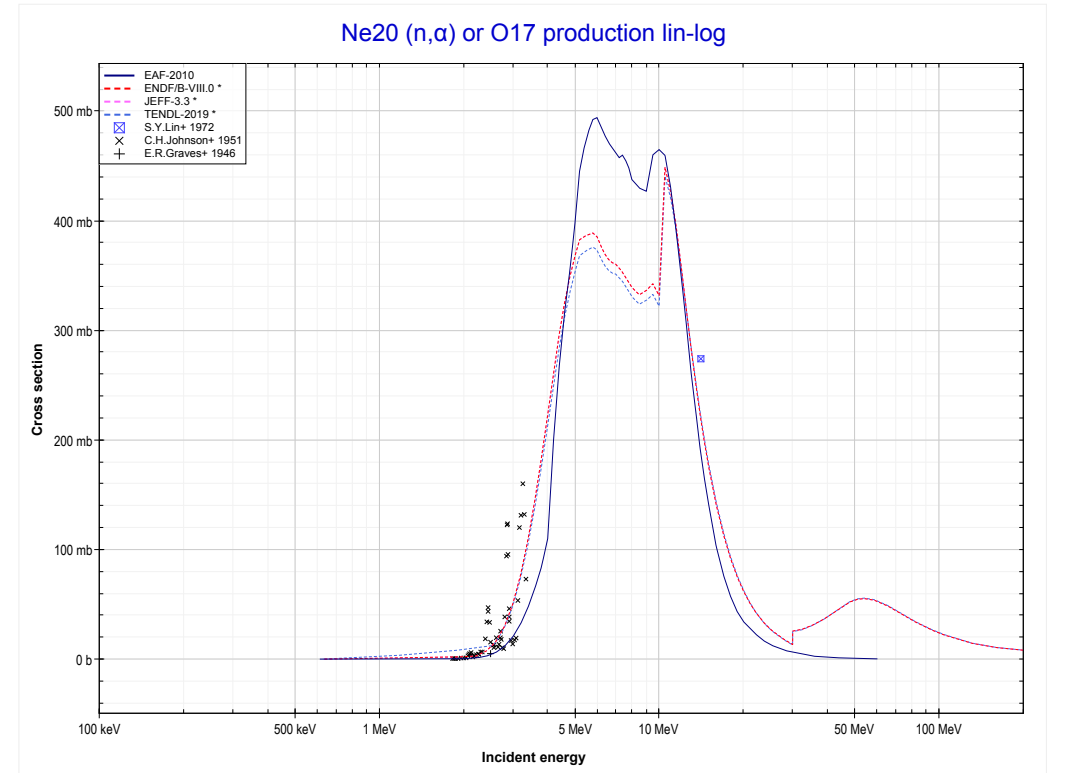
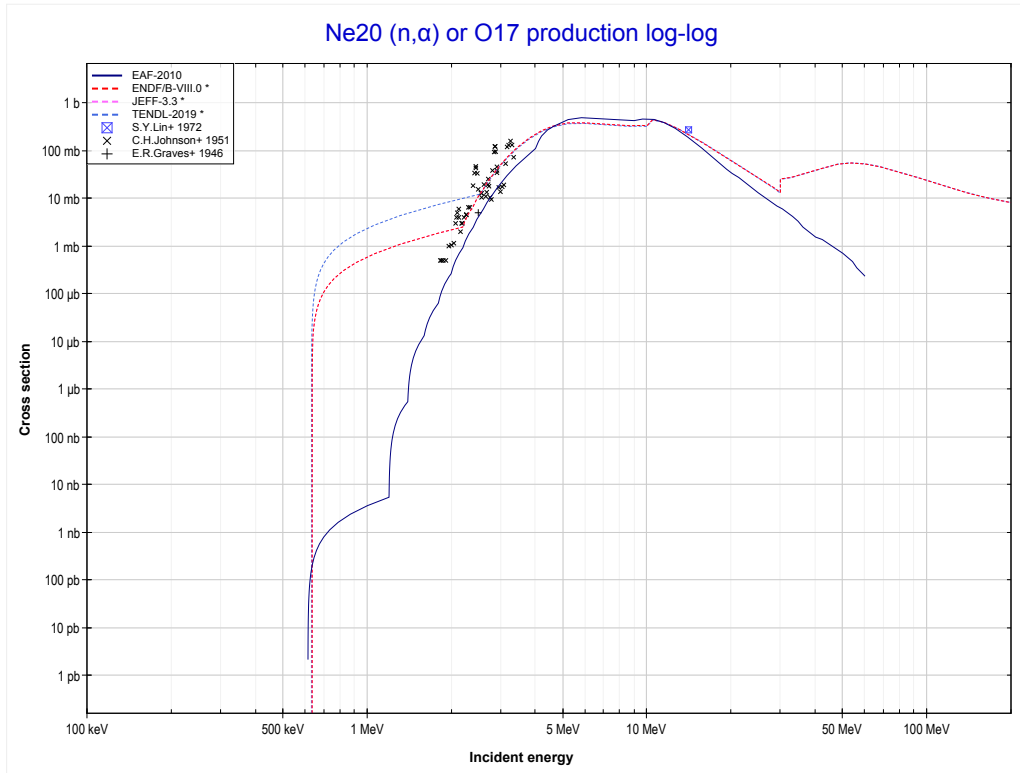
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.036903 b | 0.0368753 b | 0.036875 b | 1 | 0.016518 b | 6.03519E-5 b | 2.7E-4 b |
| ENDF/B-VIII.0 | 0.0368869 b | 0.0368869 b | 0.036899 b | 1.00033 | 0.0165584 b | 8.18248E-4 b | 8.95835E-5 b |
| JEFF-3.3 | 0.0368869 b | 0.0368869 b | 0.036899 b | 1.00033 | 0.0165584 b | 8.18248E-4 b | 8.95835E-5 b |
| TENDL-2019 | 0.0369962 b | 0.0369962 b | 0.036999 b | 1.00007 | 0.0164144 b | 6.07074E-5 b | 8.9695E-5 b |

| | | |
|-------------------------|--|-------------------------|
| << 8-O-18 | 10-Ne-20 | 11-Na-23 >> |
| << MT102 (n, γ) | MT105 (n,t) or MT5 (F18 production) | MT107 (n, α) >> |



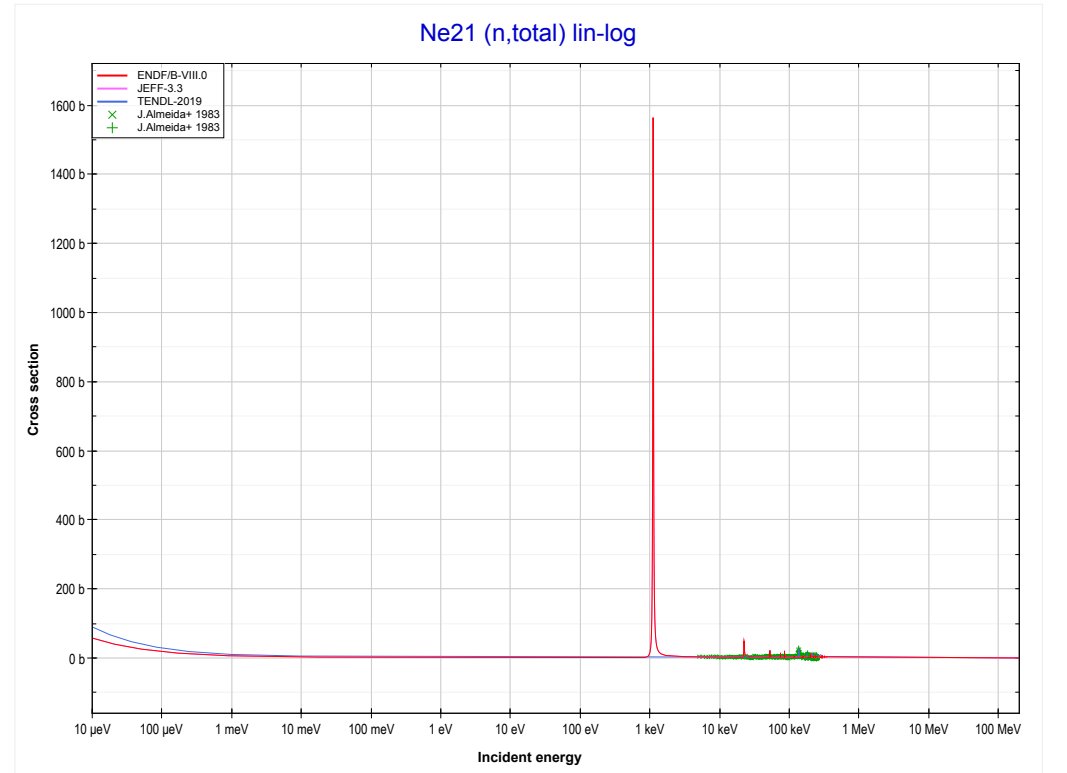
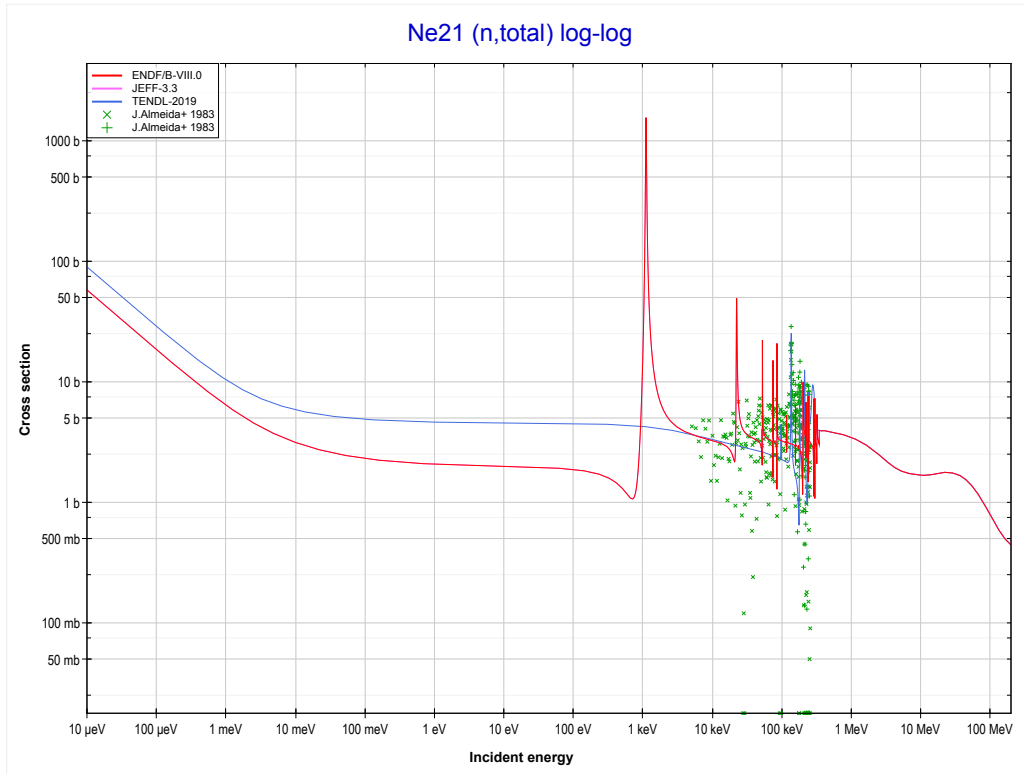
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.64106E-9 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.54131E-9 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.54131E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.53604E-9 b | 0 b |

| | | |
|----------------|--|---------------------------|
| << 9-F-19 | 10-Ne-20 | 10-Ne-21 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (O17 production) | 10-Ne-21 MT1 (n,total) >> |



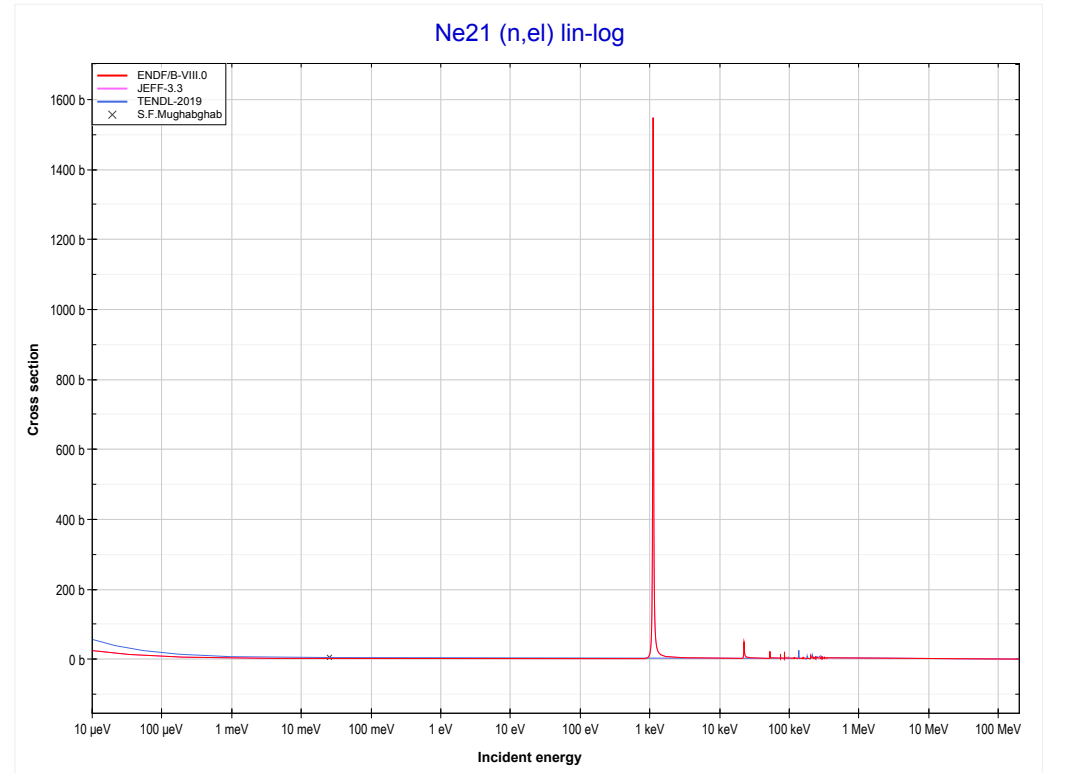
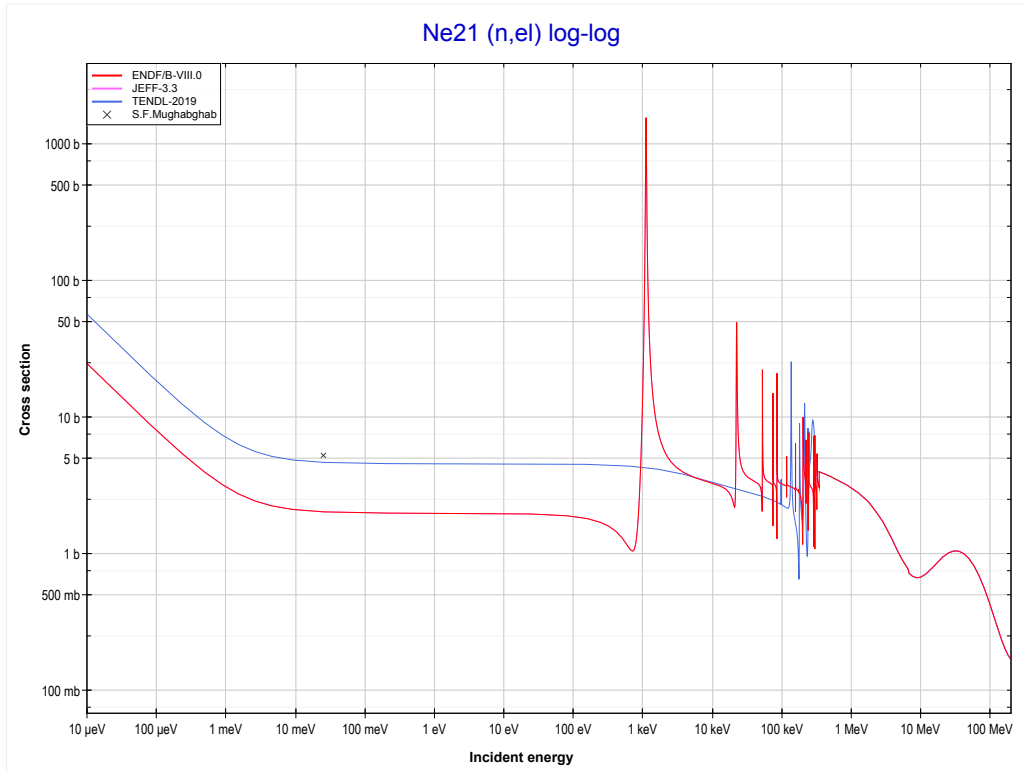
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.048718 b | 0.192882 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0540888 b | 0.22372 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0540888 b | 0.22372 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0539722 b | 0.226222 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 10-Ne-20 | 10-Ne-21 | 10-Ne-22 >> |
| << 10-Ne-20 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



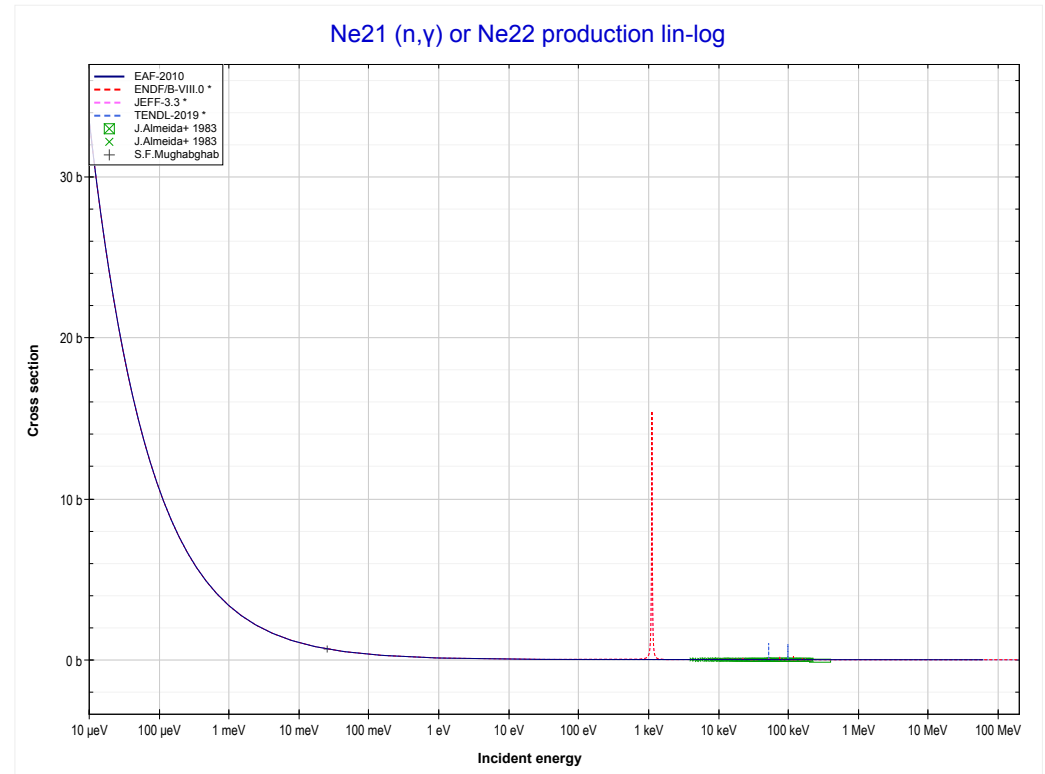
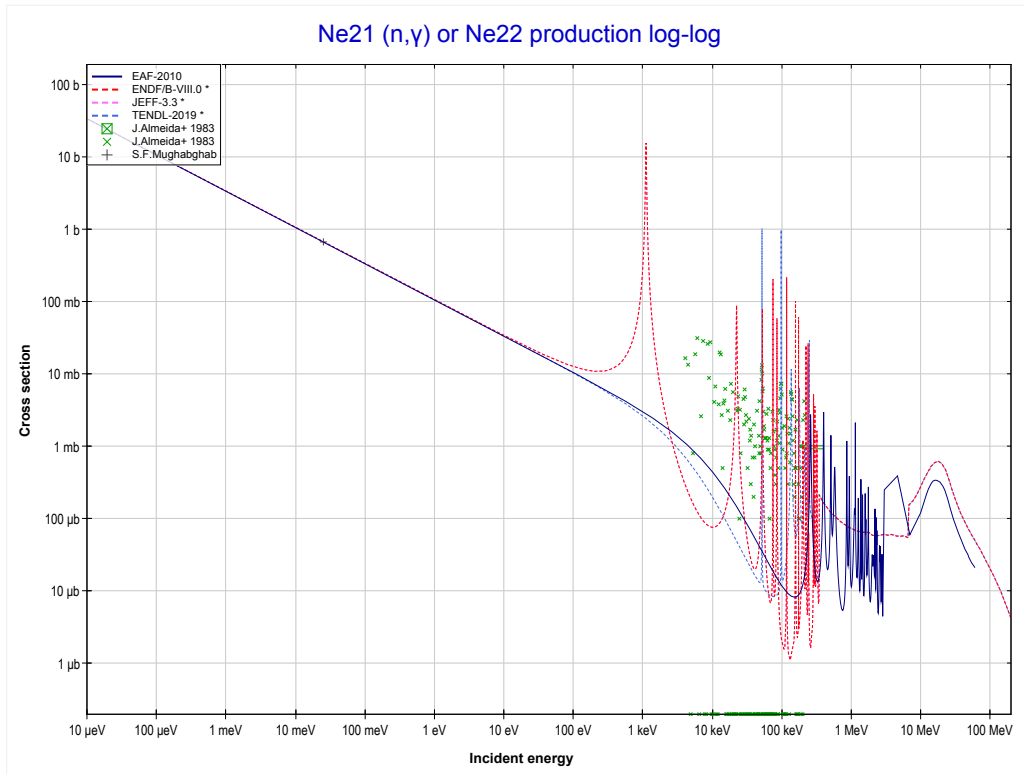
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.68121 b | 2.68121 b | 2.9395 b | 1.09632 | 99.4721 b | 2.91927 b | 1.6936 b |
| JEFF-3.3 | 2.68121 b | 2.68121 b | 2.9395 b | 1.09632 | 99.4721 b | 2.91927 b | 1.6936 b |
| TENDL-2019 | 5.3079 b | 5.3079 b | 5.9024 b | 1.112 | 49.849 b | 2.95717 b | 1.6936 b |

| | | |
|------------------|------------------------|-------------------------|
| << 10-Ne-20 | 10-Ne-21 | 10-Ne-22 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



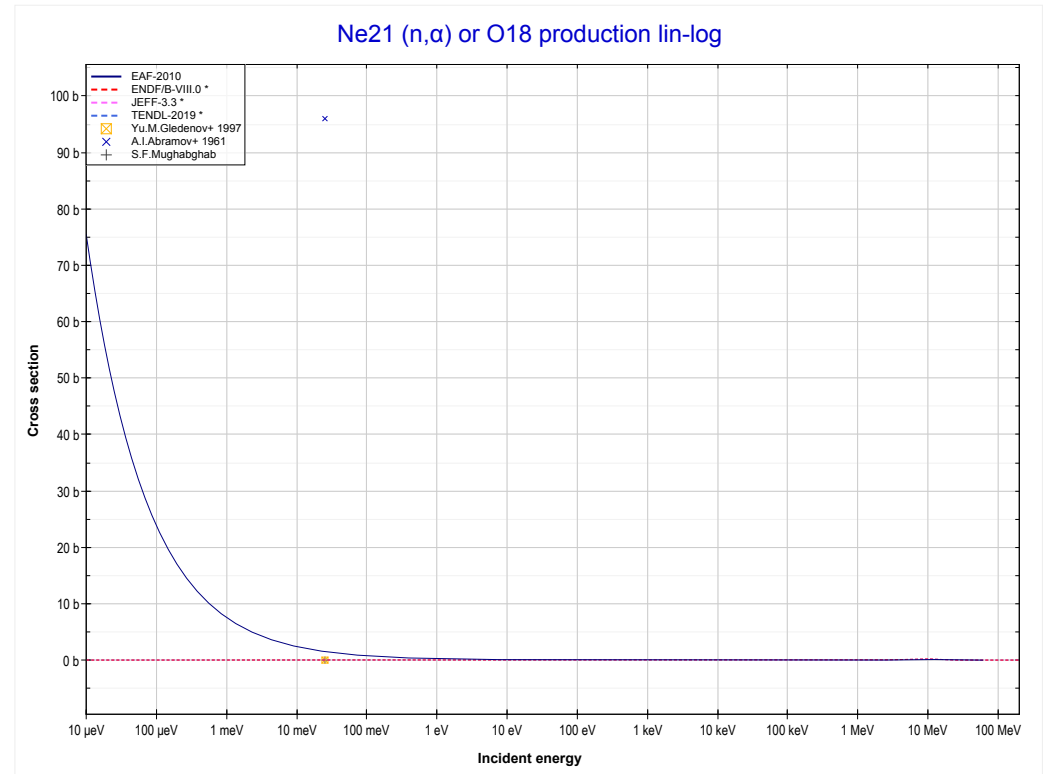
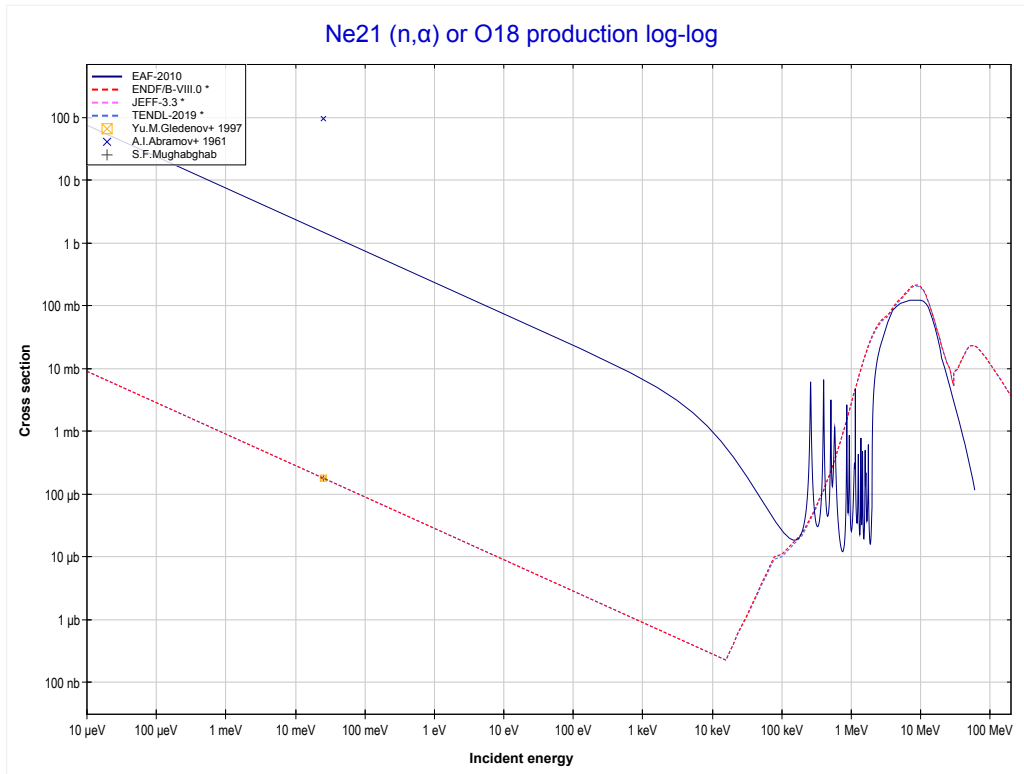
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.01491 b | 2.01491 b | 2.273 b | 1.12807 | 98.492 b | 2.42744 b | 0.76202 b |
| JEFF-3.3 | 2.01491 b | 2.01491 b | 2.273 b | 1.12807 | 98.492 b | 2.42744 b | 0.76202 b |
| TENDL-2019 | 4.63906 b | 4.63906 b | 5.2335 b | 1.12814 | 49.5528 b | 2.46613 b | 0.762034 b |

| | | |
|--------------------|---|-------------------------|
| << 10-Ne-20 | 10-Ne-21 | 10-Ne-22 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ne22 production) | MT107 (n, α) >> |



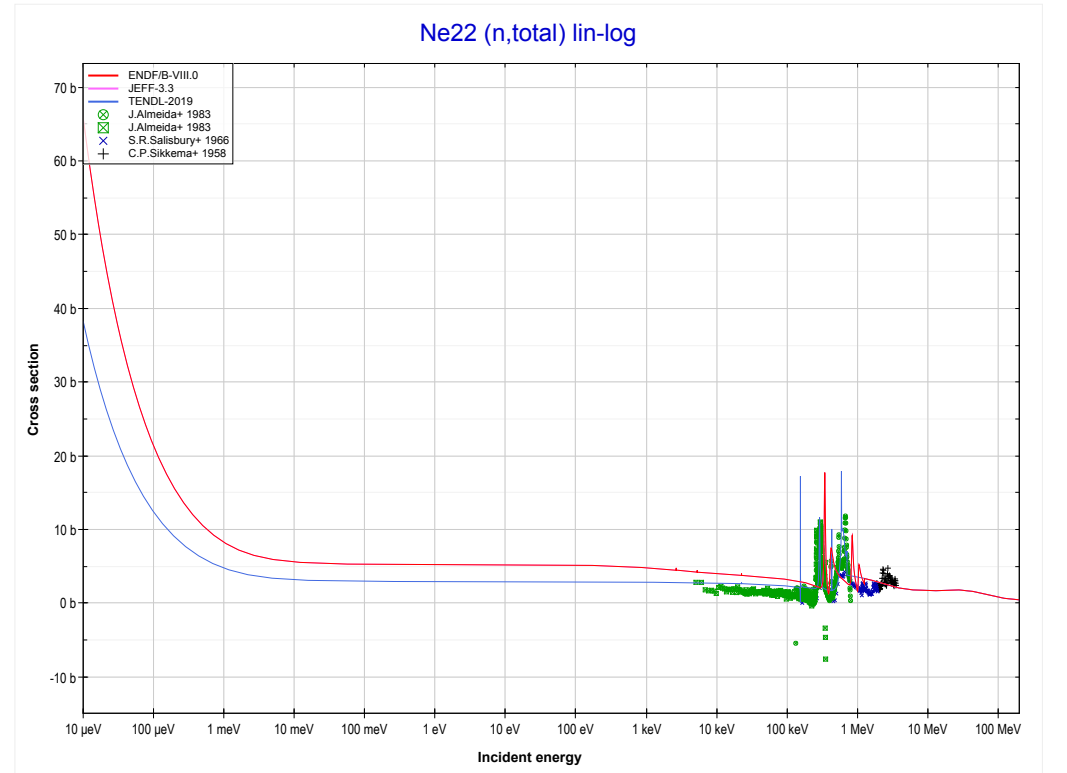
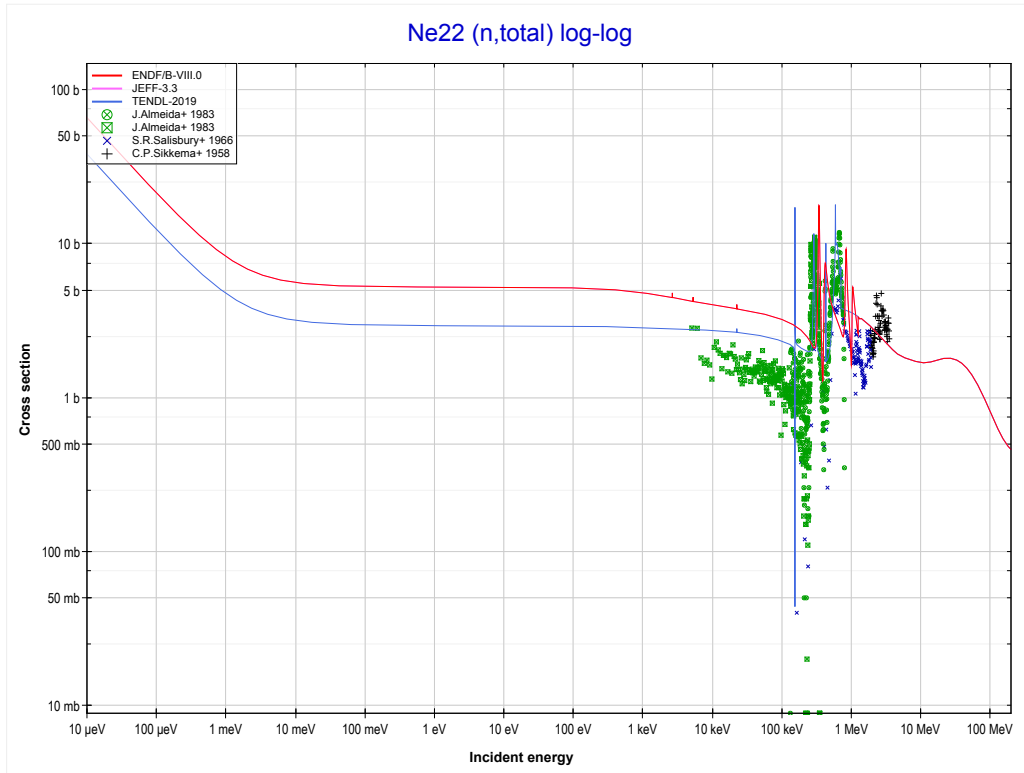
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.66612 b | 0.665621 b | 0.66564 b | 1.00003 | 0.29608 b | 1.15191E-4 b | 3E-4 b |
| ENDF/B-VIII.0 | 0.666122 b | 0.666122 b | 0.66632 b | 1.0003 | 0.980022 b | 1.15324E-4 b | 5.25192E-4 b |
| JEFF-3.3 | 0.666122 b | 0.666122 b | 0.66632 b | 1.0003 | 0.980022 b | 1.15324E-4 b | 5.25192E-4 b |
| TENDL-2019 | 0.668639 b | 0.668639 b | 0.66868 b | 1.00006 | 0.296295 b | 1.10205E-4 b | 5.25343E-4 b |

| | | |
|-------------------------|--|---------------------------|
| << 10-Ne-20 | 10-Ne-21 | 11-Na-22 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (O18 production) | 10-Ne-22 MT1 (n,total) >> |



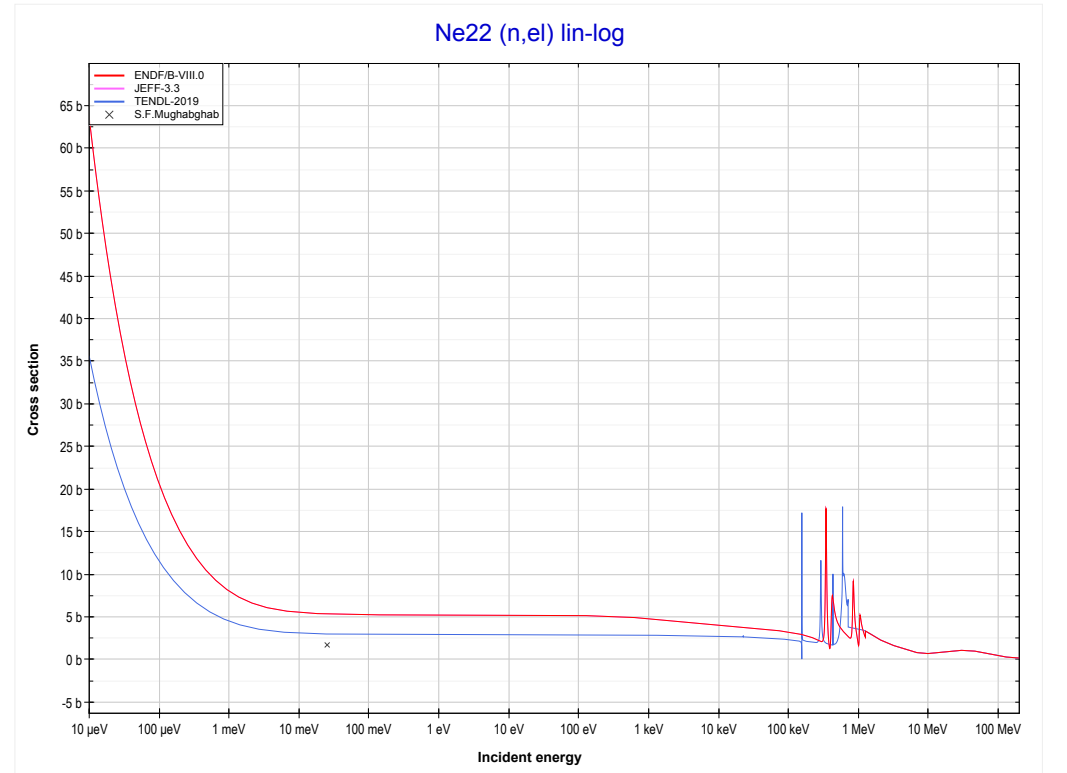
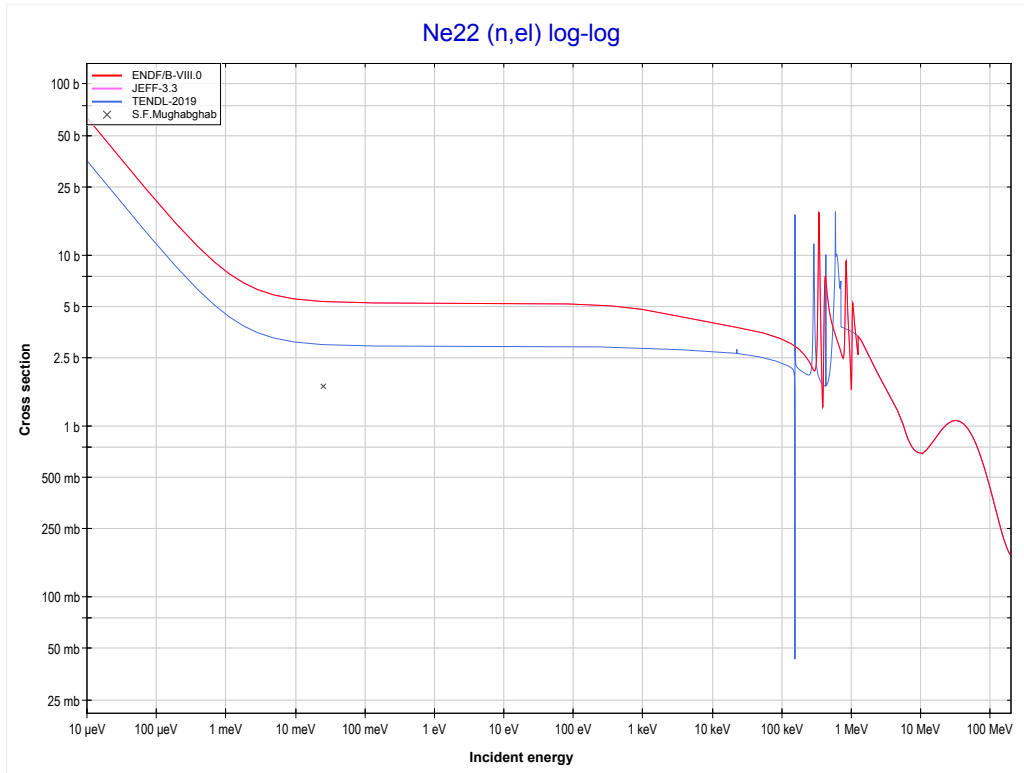
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.5 b | 1.49888 b | 1.4989 b | 1.00003 | 0.666726 b | 0.0214611 b | 0.073477 b |
| ENDF/B-VIII.0 | 1.80672E-4 b | 1.80672E-4 b | 1.8073E-4 b | 1.0003 | 8.77284E-5 b | 0.036906 b | 0.0902818 b |
| JEFF-3.3 | 1.80672E-4 b | 1.80672E-4 b | 1.8073E-4 b | 1.0003 | 8.77284E-5 b | 0.036906 b | 0.0902818 b |
| TENDL-2019 | 1.80005E-4 b | 1.80005E-4 b | 1.802E-4 b | 1.00107 | 8.71567E-5 b | 0.0350053 b | 0.0909069 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 10-Ne-21 | 10-Ne-22 | 11-Na-23 >> |
| << 10-Ne-21 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



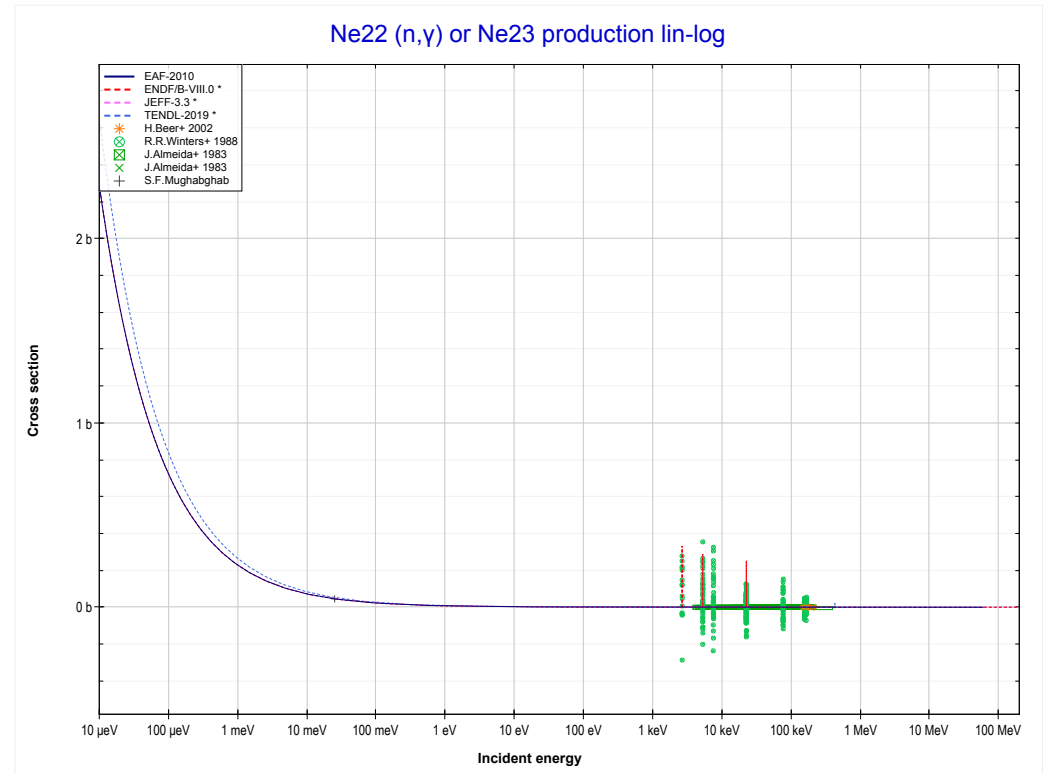
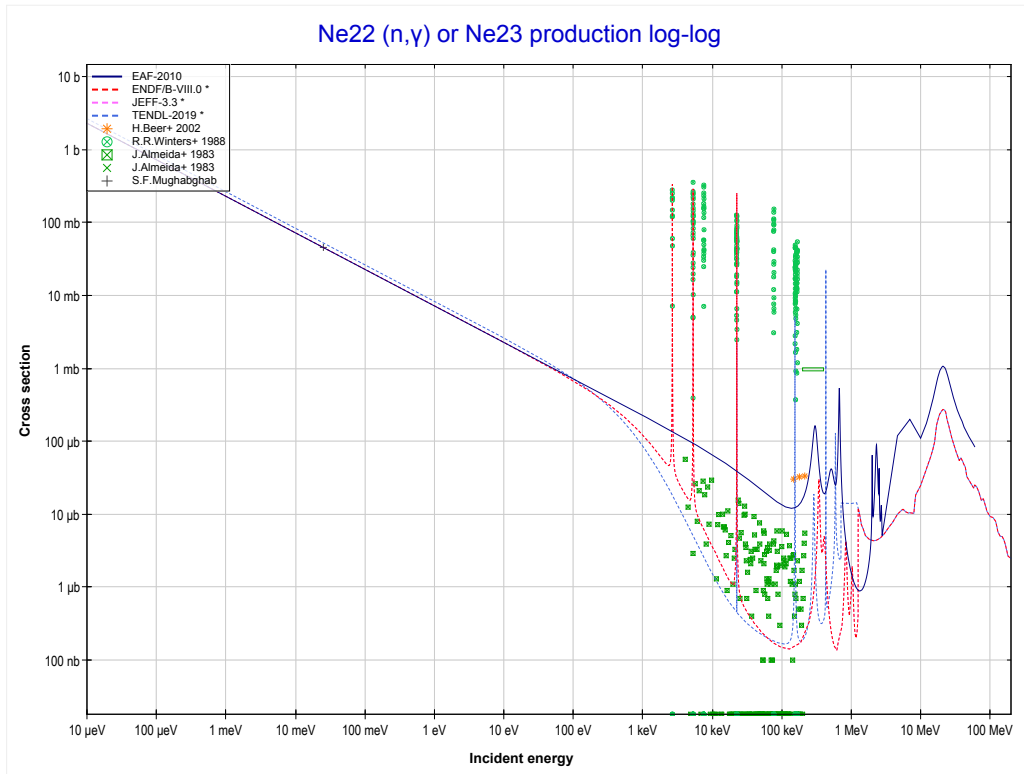
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.3815 b | 5.3815 b | 6.0651 b | 1.12703 | 57.7188 b | 3.04692 b | 1.70437 b |
| JEFF-3.3 | 5.3815 b | 5.3815 b | 6.0651 b | 1.12703 | 57.7188 b | 3.04692 b | 1.70437 b |
| TENDL-2019 | 3.03938 b | 3.03938 b | 3.4222 b | 1.12595 | 34.5183 b | 3.04667 b | 1.70437 b |

| | | |
|------------------|------------------------|-------------------------|
| << 10-Ne-21 | 10-Ne-22 | 11-Na-23 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



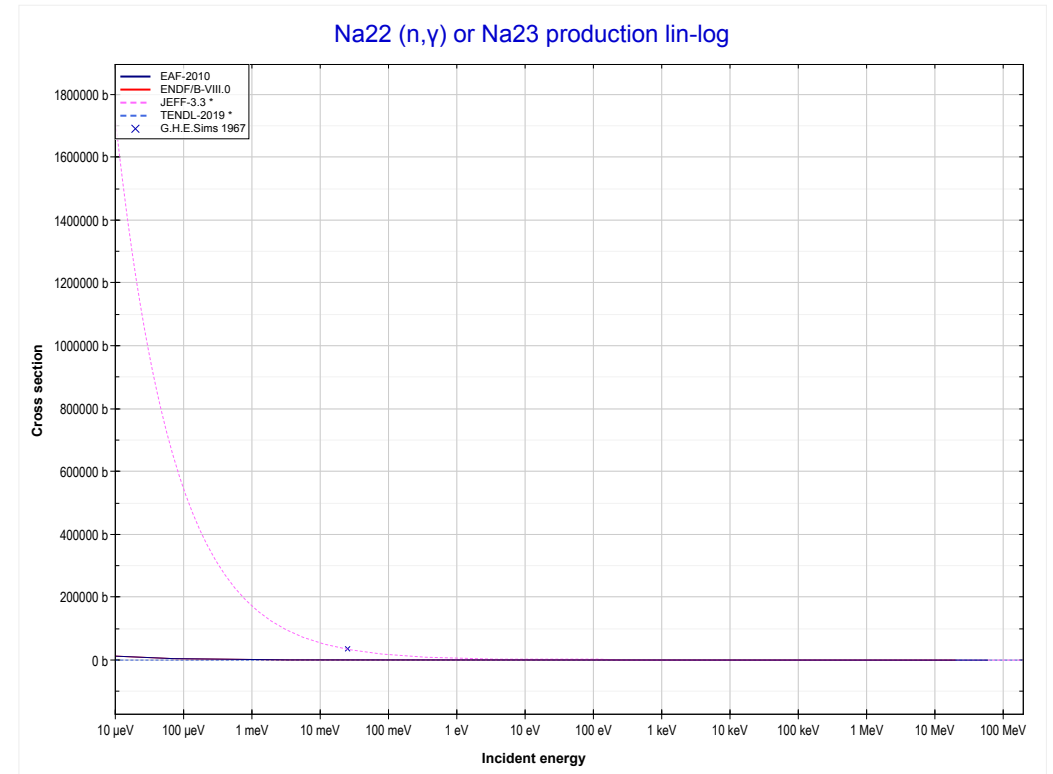
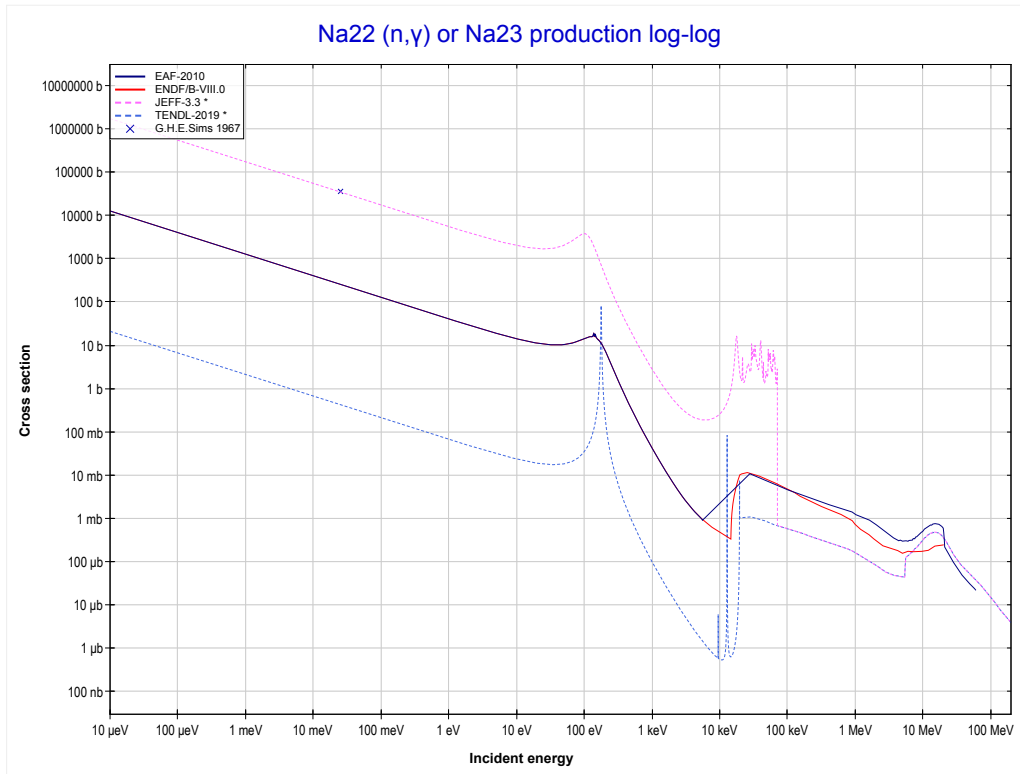
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.33599 b | 5.33599 b | 6.0196 b | 1.12811 | 57.6973 b | 2.73639 b | 0.775771 b |
| JEFF-3.3 | 5.33599 b | 5.33599 b | 6.0196 b | 1.12811 | 57.6973 b | 2.73639 b | 0.775771 b |
| TENDL-2019 | 2.98668 b | 2.98668 b | 3.3695 b | 1.12817 | 34.4953 b | 2.73585 b | 0.775776 b |

| | | |
|--------------------|---|----------------------------------|
| << 10-Ne-21 | 10-Ne-22 | 11-Na-22 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ne23 production) | 11-Na-22 MT102 (n, γ) >> |



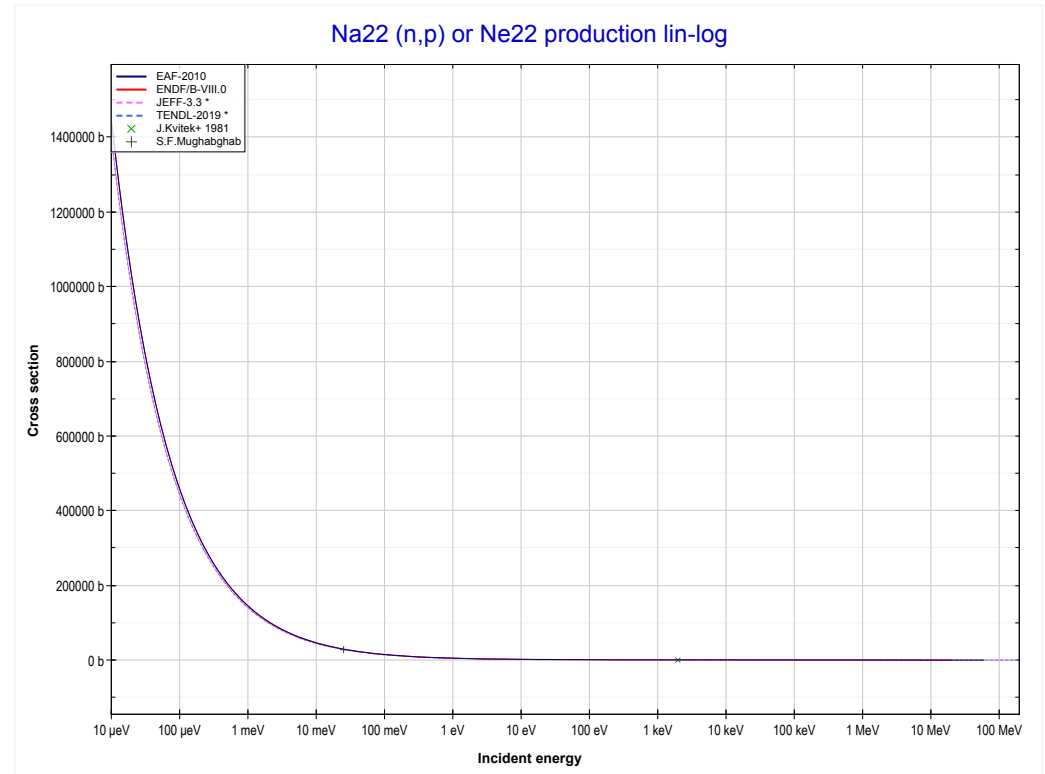
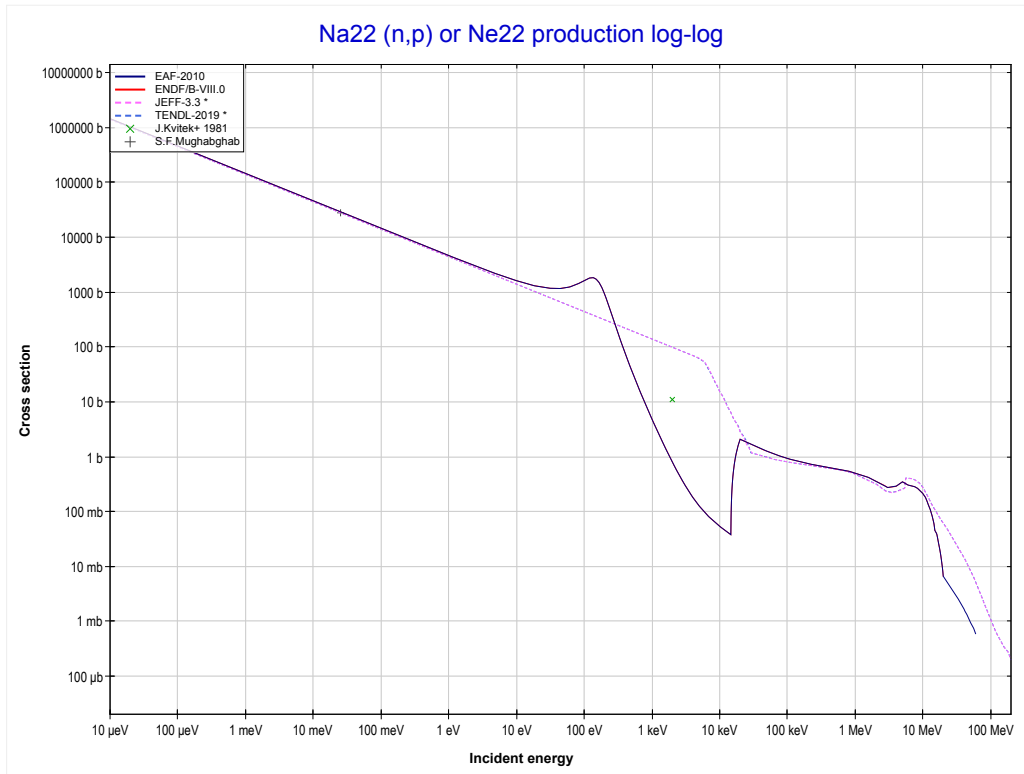
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.045504 b | 0.0454699 b | 0.04547 b | 1 | 0.0203933 b | 3.51137E-5 b | 2.9E-4 b |
| ENDF/B-VIII.0 | 0.0455105 b | 0.0455105 b | 0.045525 b | 1.00032 | 0.0215234 b | 5.29444E-6 b | 6.1943E-5 b |
| JEFF-3.3 | 0.0455105 b | 0.0455105 b | 0.045525 b | 1.00032 | 0.0215234 b | 5.29444E-6 b | 6.1943E-5 b |
| TENDL-2019 | 0.0526935 b | 0.0526935 b | 0.052696 b | 1.00005 | 0.0226538 b | 8.40224E-6 b | 6.19646E-5 b |

| | | |
|----------------------------------|---|----------------|
| << 10-Ne-22 | 11-Na-22 | 11-Na-23 >> |
| << 10-Ne-22 MT102 (n, γ) | MT102 (n,γ) or MT5 (Na23 production) | MT103 (n,p) >> |



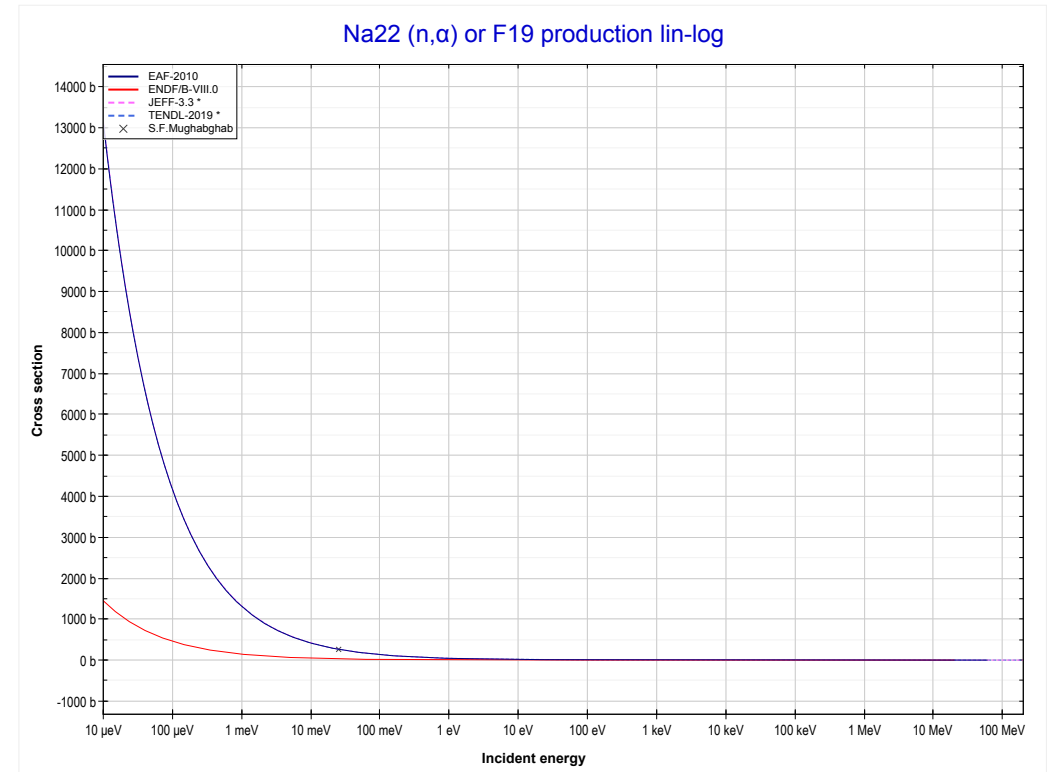
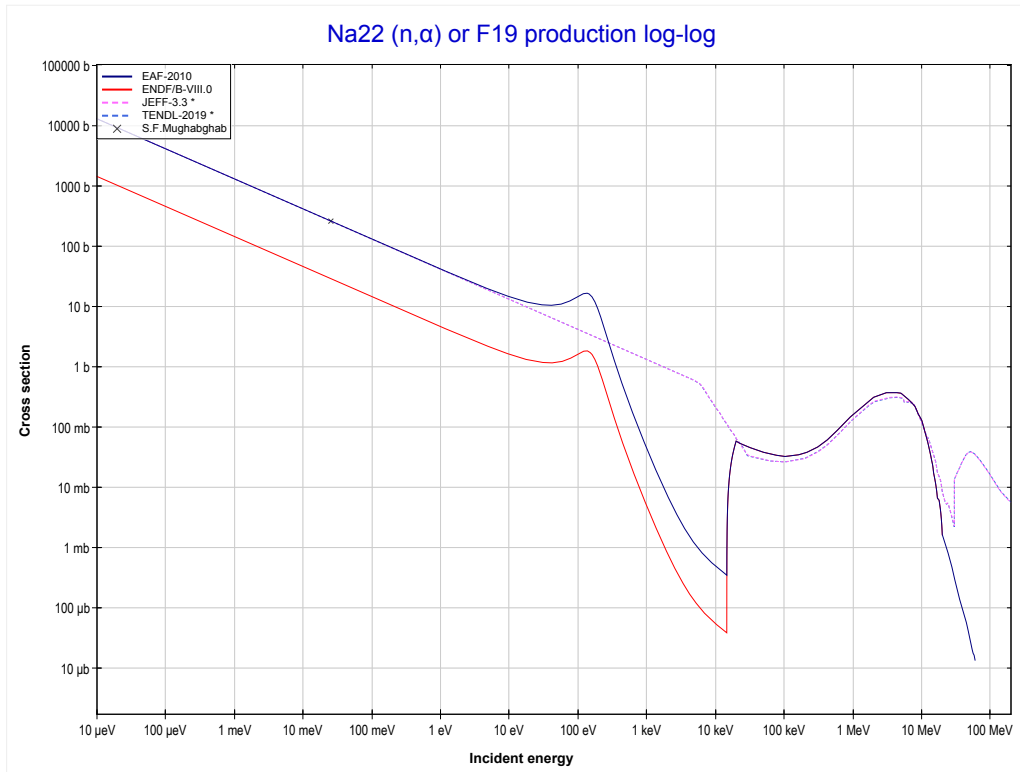
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 252.364 b | 252.176 b | 252.51 b | 1.00135 | 128.403 b | 0.00114188 b | 7.37953E-4 b |
| ENDF/B-VIII.0 | 252.157 b | 252.157 b | 252.64 b | 1.00192 | 128.55 b | 7.72694E-4 b | 2.1E-4 b |
| JEFF-3.3 | 34234.5 b | 34234.5 b | 34247 b | 1.00037 | 18748.7 b | 0.0316262 b | 4.78182E-4 b |
| TENDL-2019 | 0.417057 b | 0.417057 b | 0.41714 b | 1.00021 | 2.38891 b | 1.55779E-4 b | 4.78189E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 9-F-19 | 11-Na-22 | 11-Na-23 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ne22 production) | MT107 (n, α) >> |



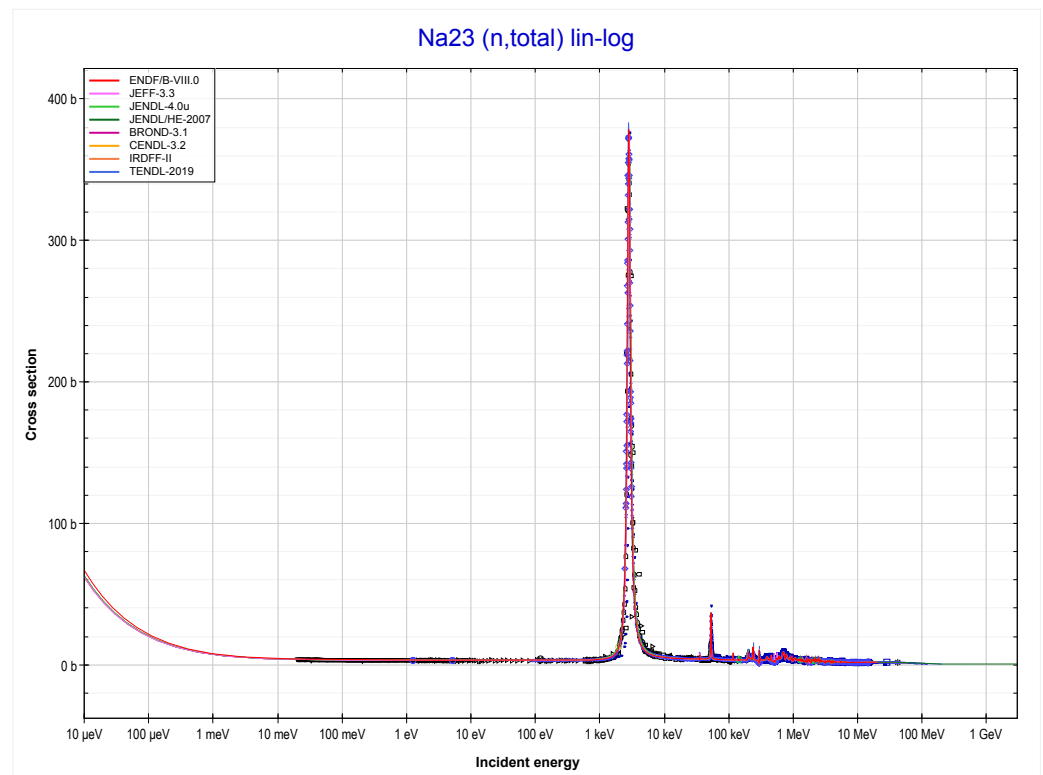
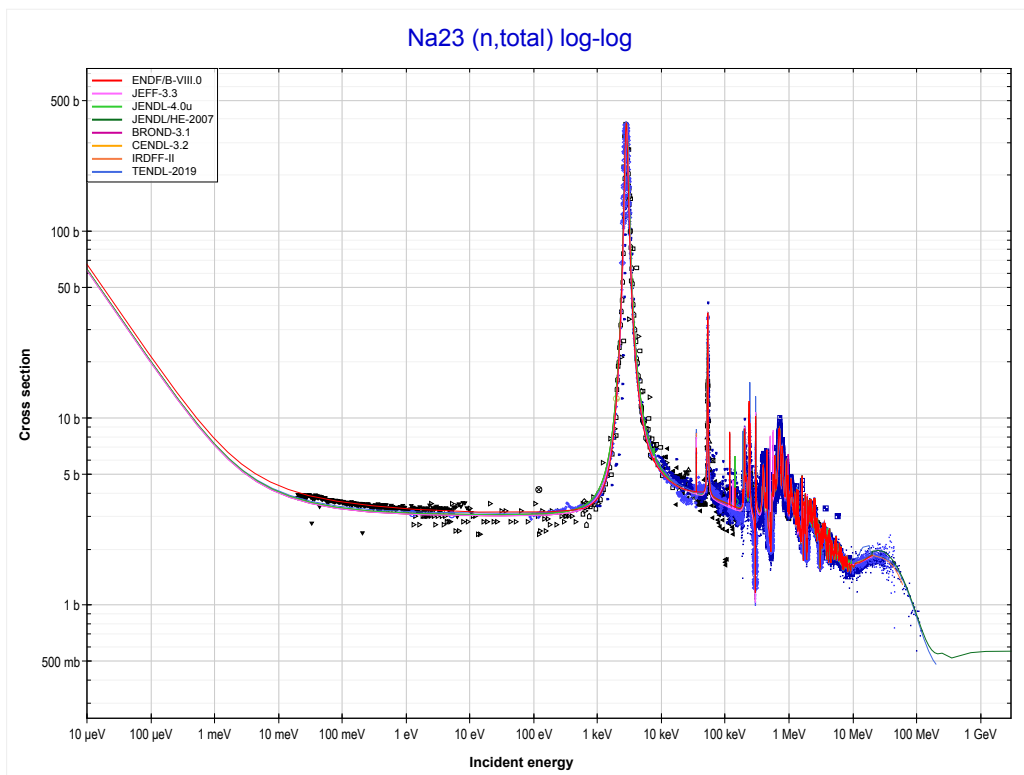
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 28845.8 b | 28824.2 b | 28863 b | 1.00134 | 14668.5 b | 0.445855 b | 0.0743205 b |
| ENDF/B-VIII.0 | 28825.8 b | 28825.8 b | 28884 b | 1.00202 | 14677.9 b | 0.445866 b | 0.07432 b |
| JEFF-3.3 | 27891.4 b | 27891.4 b | 27900 b | 1.00032 | 12473.3 b | 0.43682 b | 0.124784 b |
| TENDL-2019 | 27800 b | 27800 b | 27824 b | 1.00086 | 12457.9 b | 0.438899 b | 0.124819 b |

| | | |
|----------------|--|---------------------------|
| << 10-Ne-21 | 11-Na-22 | 11-Na-23 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (F19 production) | 11-Na-23 MT1 (n,total) >> |



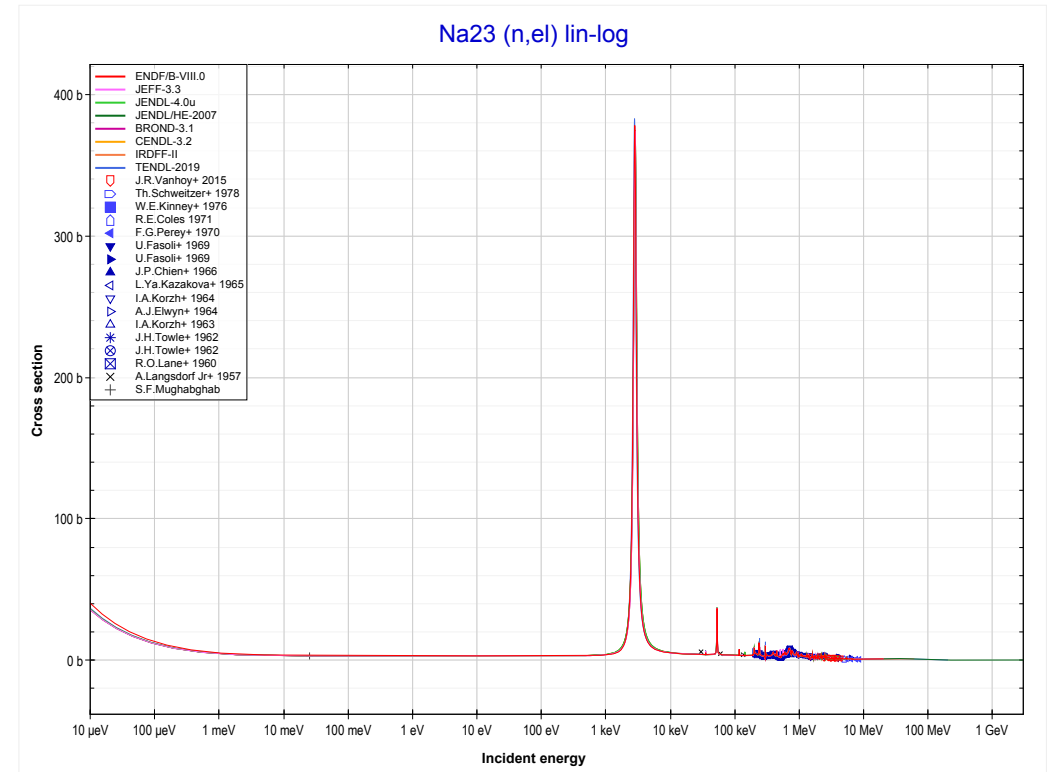
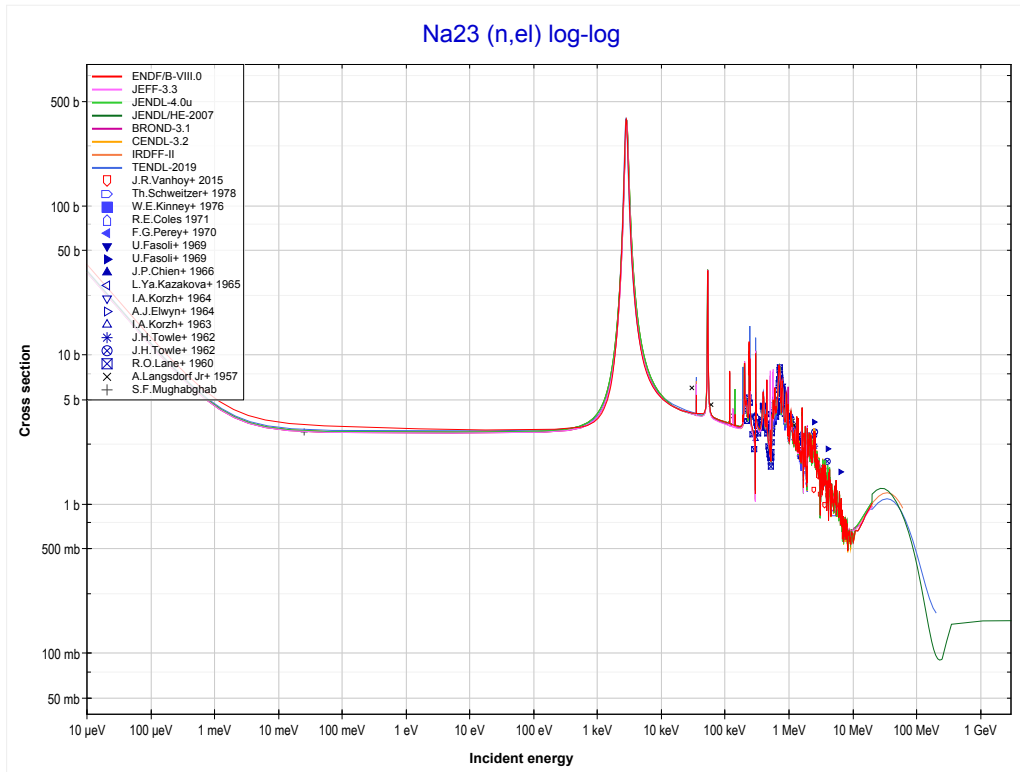
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 260.02 b | 259.837 b | 261.2 b | 1.00531 | 132.796 b | 0.229978 b | 0.02767 b |
| ENDF/B-VIII.0 | 28.8171 b | 28.8171 b | 28.875 b | 1.00202 | 14.7459 b | 0.229978 b | 0.02767 b |
| JEFF-3.3 | 262.867 b | 262.867 b | 262.95 b | 1.00032 | 117.657 b | 0.195172 b | 0.0430915 b |
| TENDL-2019 | 262.006 b | 262.006 b | 262.23 b | 1.00086 | 117.511 b | 0.191711 b | 0.0438385 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 10-Ne-22 | 11-Na-23 | 12-Mg-24 >> |
| << 11-Na-22 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



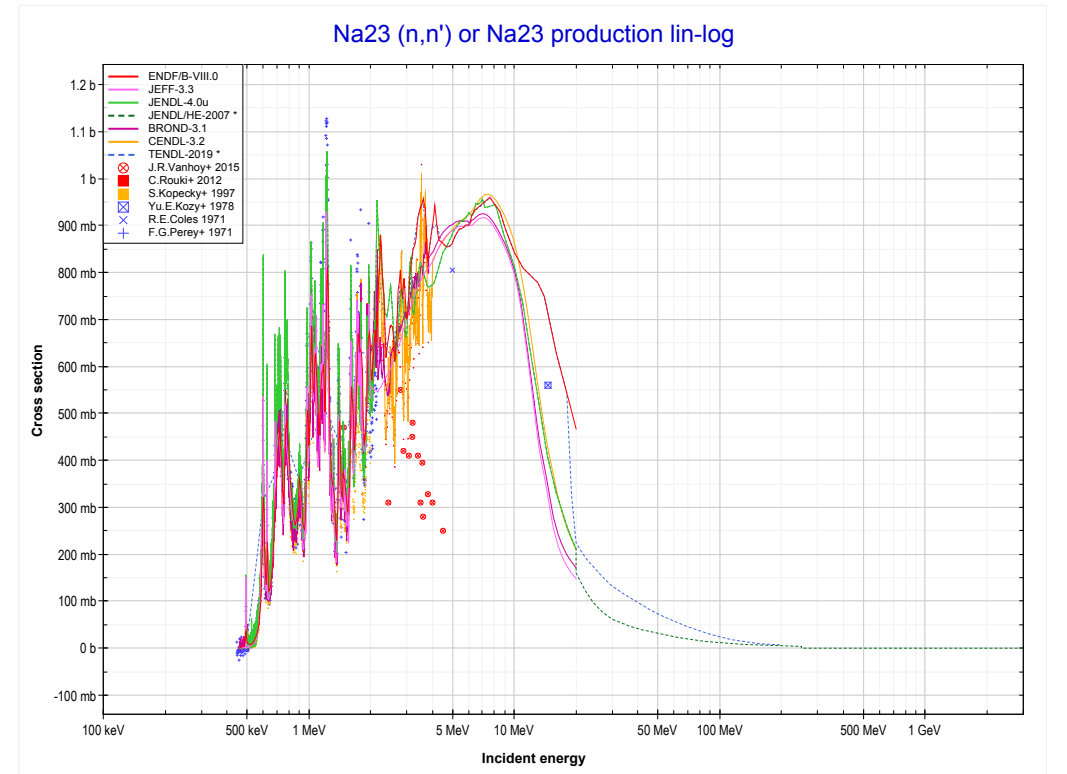
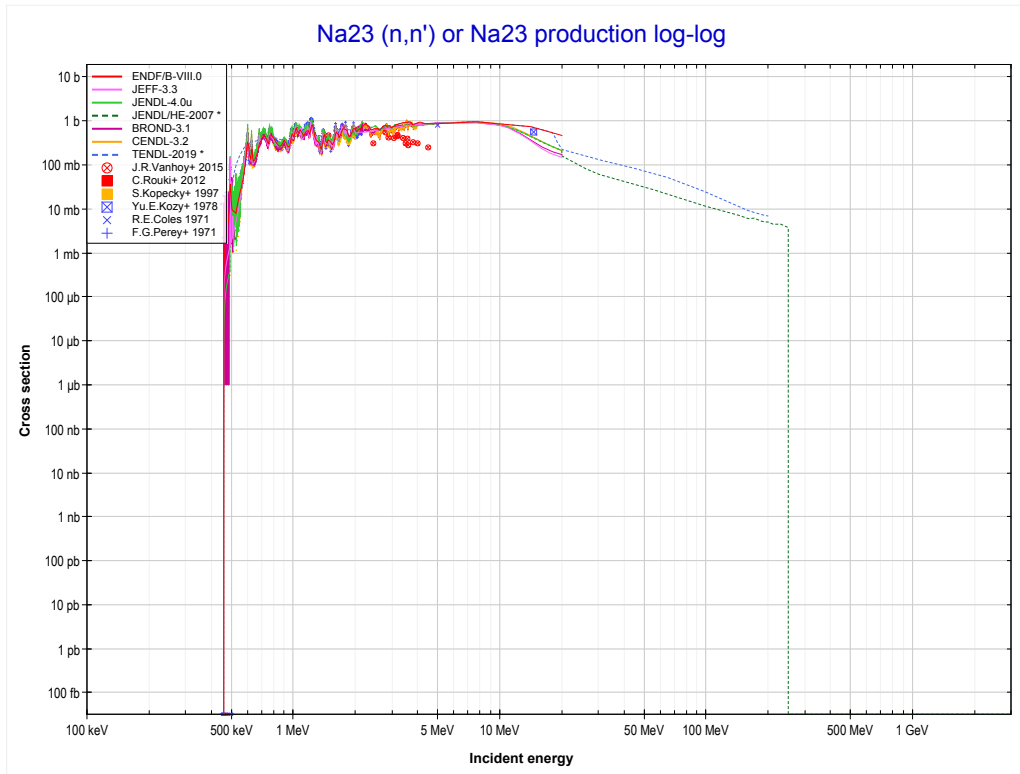
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.92108 b | 3.92108 b | 4.3449 b | 1.10808 | 118.172 b | 3.22828 b | 1.7151 b |
| JEFF-3.3 | 3.57742 b | 3.57742 b | 3.9689 b | 1.10942 | 116.26 b | 3.22118 b | 1.71904 b |
| JENDL-4.0u | 3.62149 b | 3.62149 b | 4.0176 b | 1.10938 | 123.07 b | 3.22451 b | 1.71616 b |
| JENDL/HE-2007 | 3.62132 b | 3.62132 b | 4.0175 b | 1.10939 | 123.009 b | 3.22472 b | 1.71616 b |
| BROND-3.1 | 3.57694 b | 3.57694 b | 3.9683 b | 1.10942 | 116.328 b | 3.24351 b | 1.71791 b |
| CENDL-3.2 | 3.62132 b | 3.62132 b | 4.0175 b | 1.10939 | 123.009 b | 3.22476 b | 1.7377 b |
| IRDFF-II | 3.58849 b | 3.58849 b | 3.9808 b | 1.10934 | 116.3 b | 3.21772 b | 1.71616 b |
| TENDL-2019 | 3.67454 b | 3.67454 b | 4.0788 b | 1.11002 | 118.679 b | 3.24717 b | 2.02414 b |

| | | |
|------------------|------------------------|---------------|
| << 10-Ne-22 | 11-Na-23 | 12-Mg-24 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



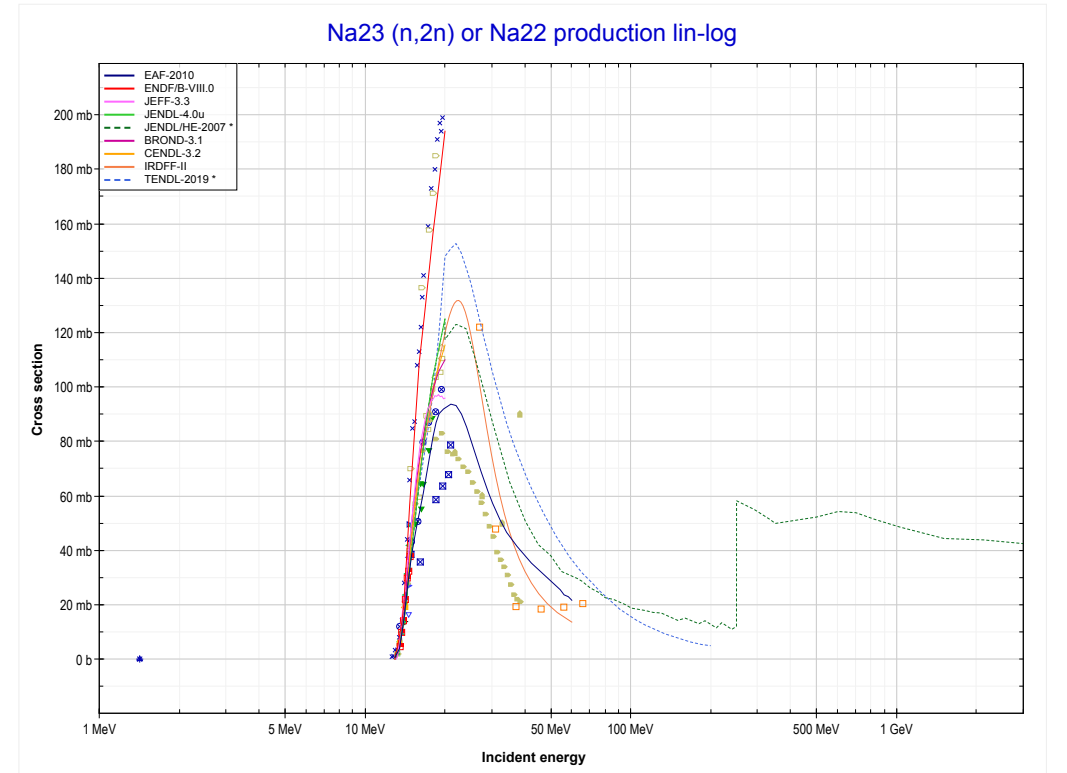
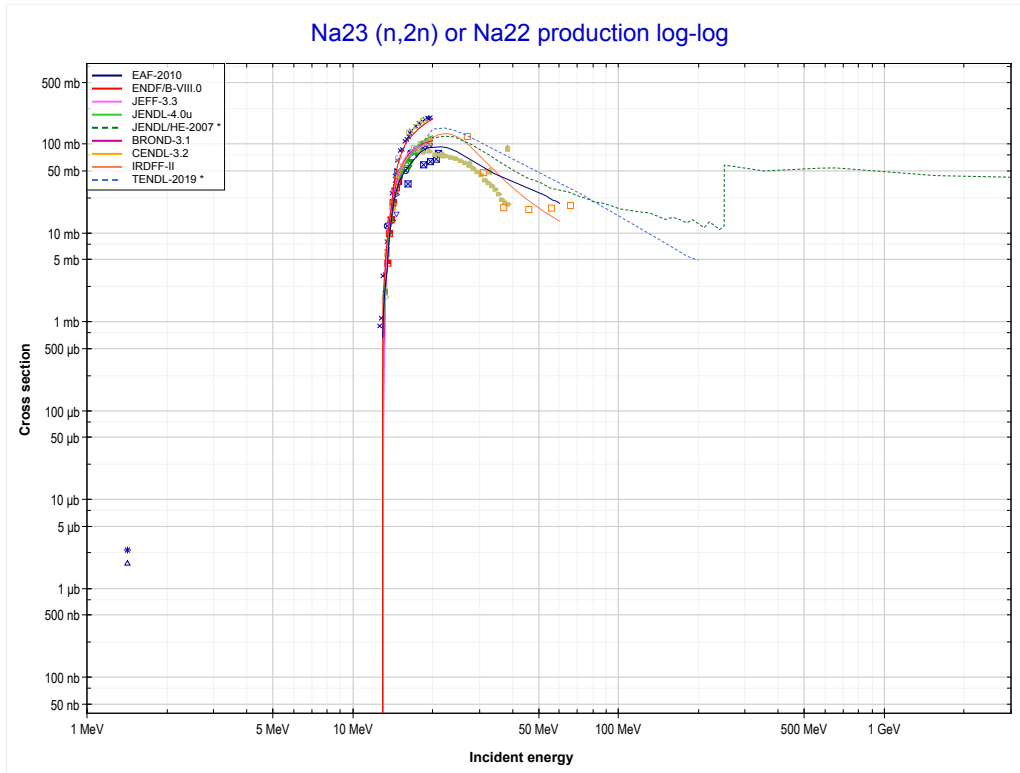
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.39286 b | 3.39286 b | 3.8165 b | 1.12485 | 117.857 b | 2.71644 b | 0.74569 b |
| JEFF-3.3 | 3.0534 b | 3.0534 b | 3.4447 b | 1.12814 | 115.951 b | 2.74849 b | 0.766151 b |
| JENDL-4.0u | 3.08994 b | 3.08994 b | 3.4859 b | 1.12814 | 122.759 b | 2.70226 b | 0.806153 b |
| JENDL/HE-2007 | 3.08994 b | 3.08994 b | 3.486 b | 1.12819 | 122.697 b | 2.70232 b | 0.806153 b |
| BROND-3.1 | 3.05291 b | 3.05291 b | 3.4441 b | 1.12814 | 116.019 b | 2.75725 b | 0.753194 b |
| CENDL-3.2 | 3.08994 b | 3.08994 b | 3.486 b | 1.12819 | 122.697 b | 2.74196 b | 0.77795 b |
| IRDFF-II | 3.05235 b | 3.05235 b | 3.4445 b | 1.12849 | 115.984 b | 2.70581 b | 0.745691 b |
| TENDL-2019 | 3.15344 b | 3.15344 b | 3.5577 b | 1.12819 | 118.366 b | 2.71884 b | 0.745691 b |

| | | |
|--------------------|--|----------------|
| << 9-F-19 | 11-Na-23 | 12-Mg-24 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Na23 production) | MT16 (n,2n) >> |



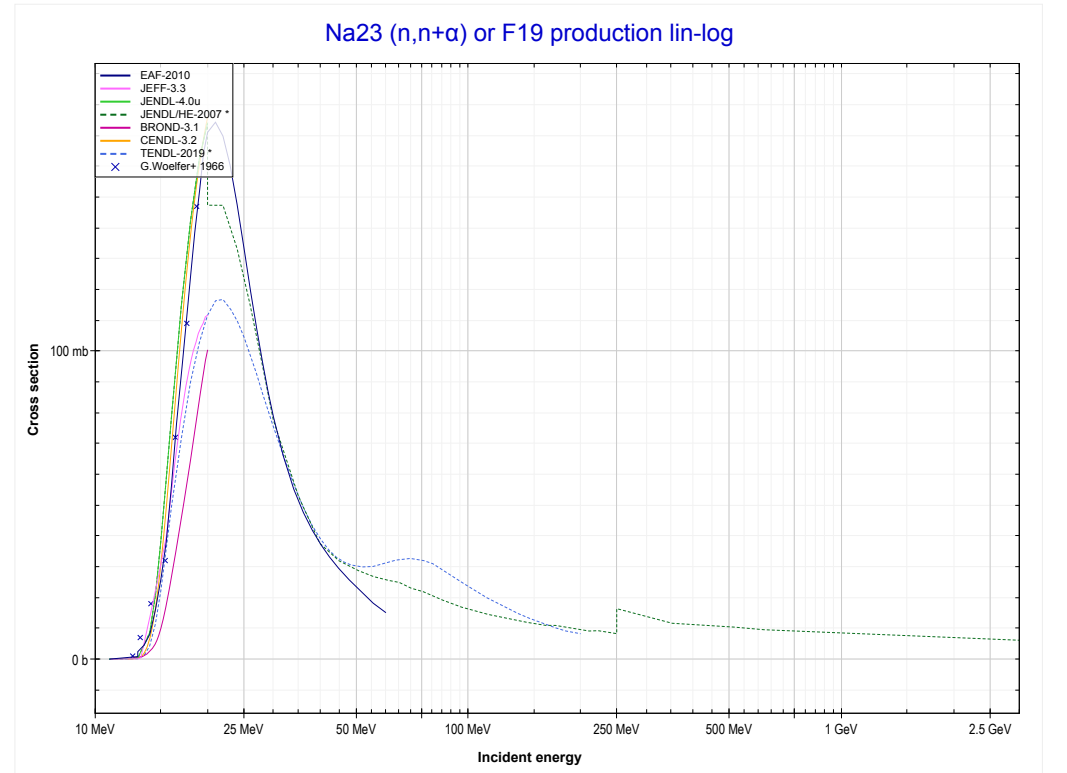
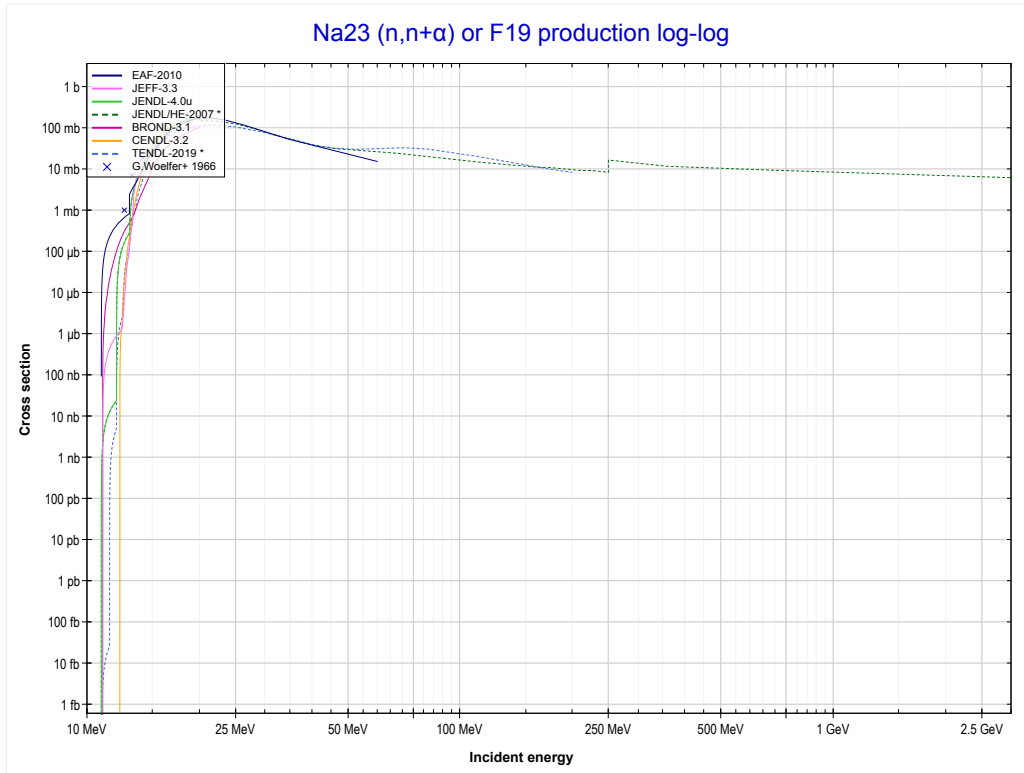
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.509038 b | 0.748997 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.469664 b | 0.366351 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.519207 b | 0.449075 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.519224 b | 0.449075 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.482968 b | 0.387338 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.479726 b | 0.46975 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.524763 b | 0.749133 b |

| | | |
|---------------|---|-----------------|
| << 9-F-19 | 11-Na-23 | 12-Mg-24 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Na22 production) | MT22 (n,n+α) >> |



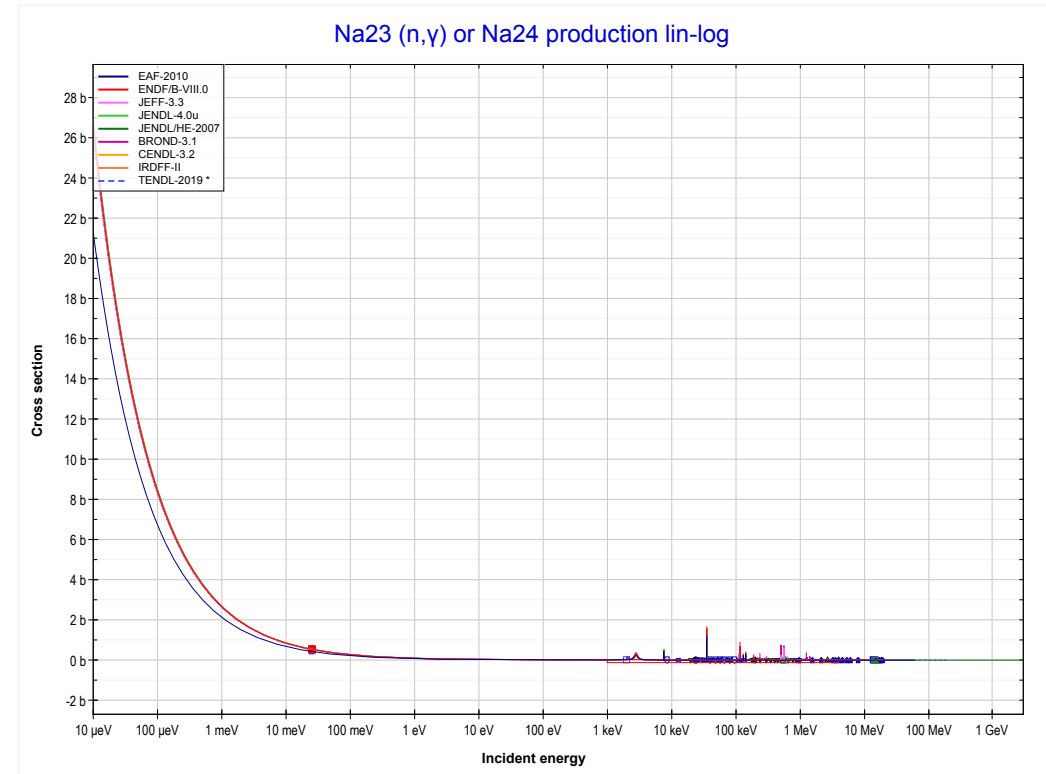
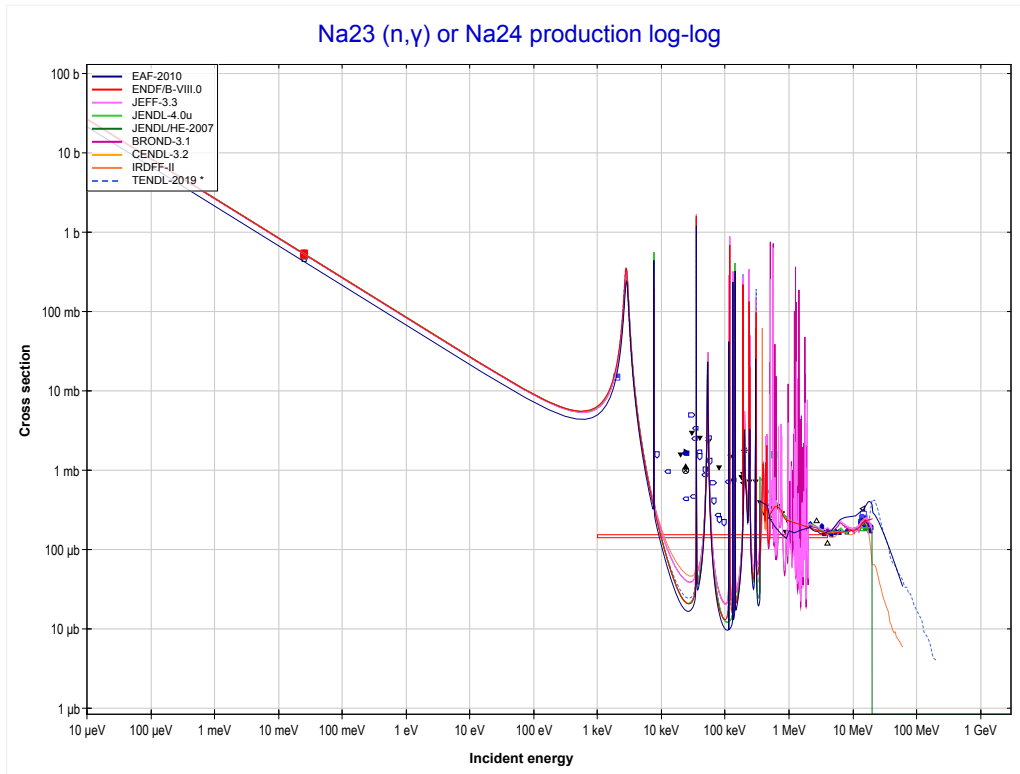
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37093E-6 b | 0.0143619 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.80667E-6 b | 0.02 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26618E-6 b | 0.0222186 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.13162E-6 b | 0.0131385 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.13158E-6 b | 0.0131385 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.70887E-6 b | 0.015 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.37579E-6 b | 0.014842 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 6.22696E-6 b | 0.0148958 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.4122E-6 b | 0.0171 b |

| | | |
|----------------|---|----------------|
| << 8-O-18 | 11-Na-23 | 12-Mg-24 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (F19 production) | MT102 (n,γ) >> |



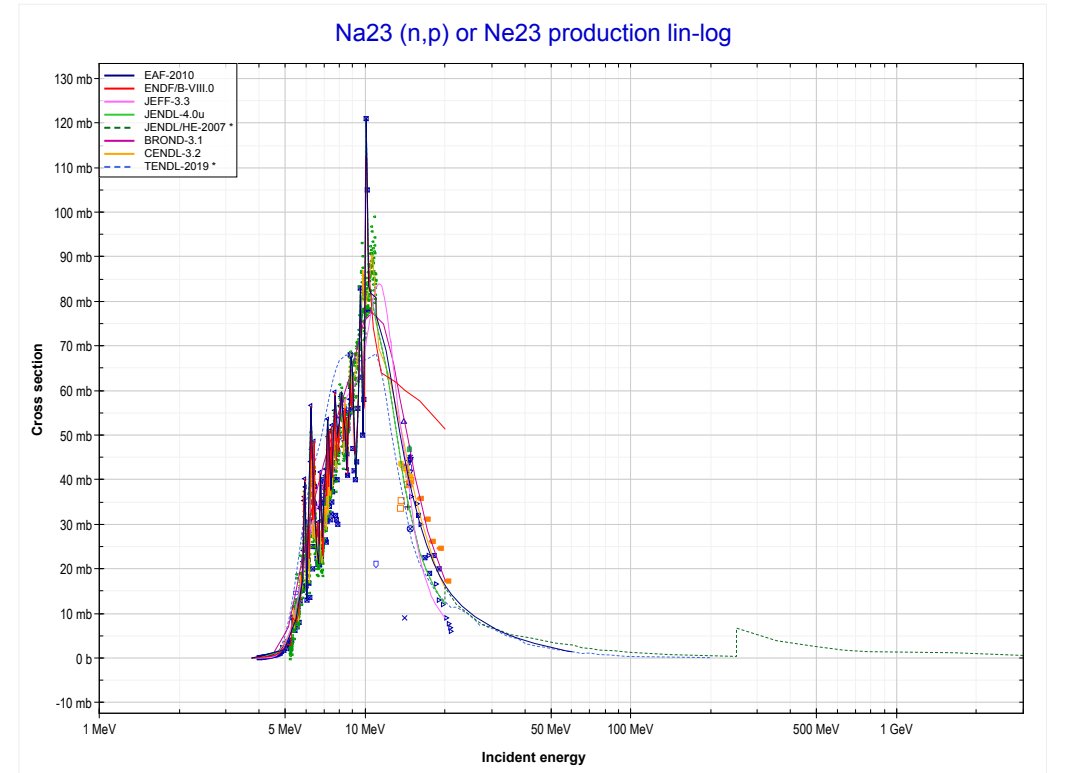
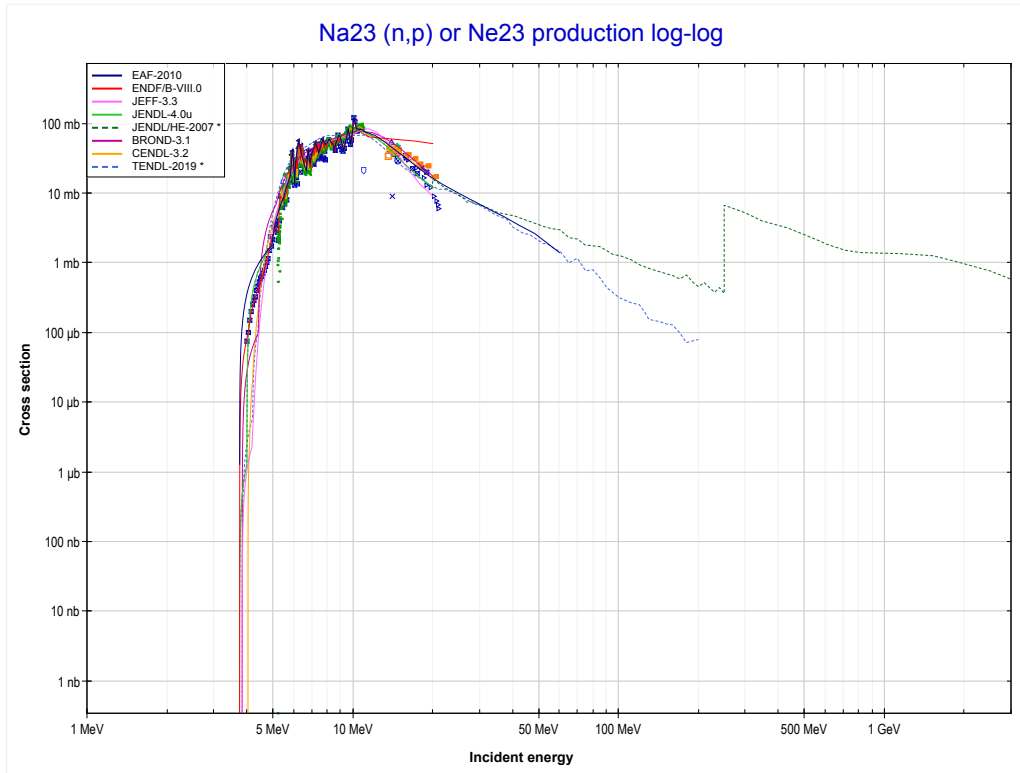
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.15555E-6 b | 0.0135125 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.55217E-6 b | 0.0085939 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.55214E-6 b | 0.0085939 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.33165E-6 b | 0.00251037 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55648E-6 b | 0.0066108 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85016E-6 b | 0.00429563 b |

| | | |
|-----------------|---|----------------|
| << 11-Na-22 | 11-Na-23 | 12-Mg-24 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Na24 production) | MT103 (n,p) >> |



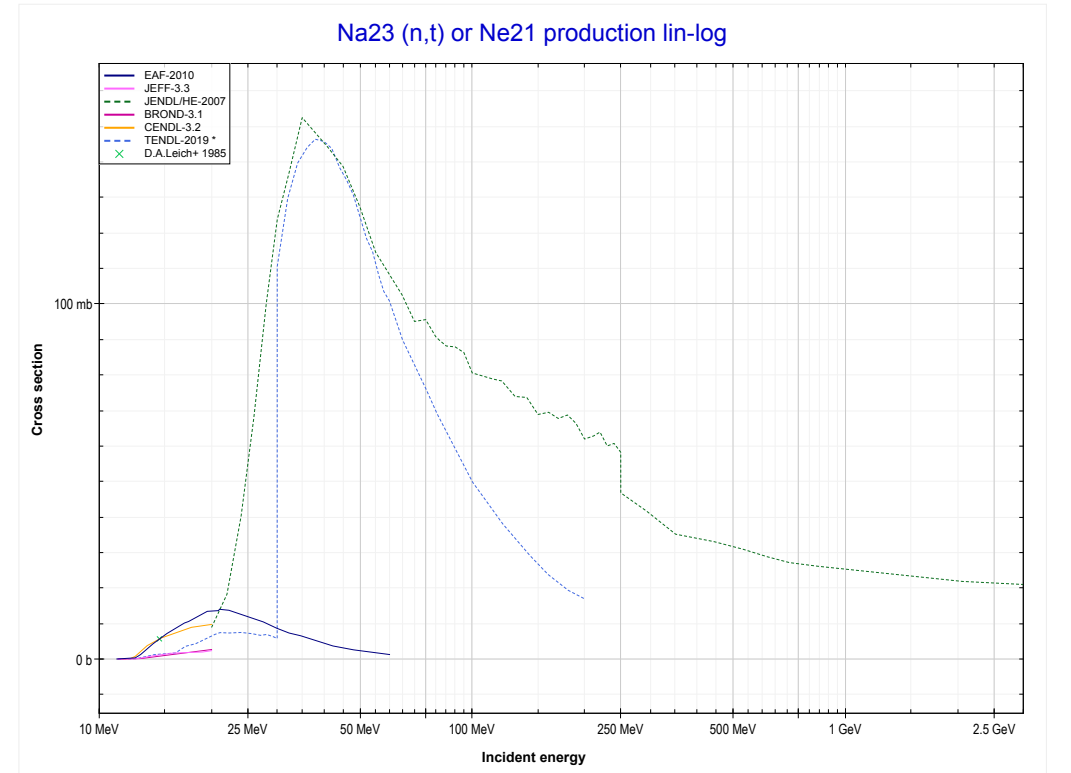
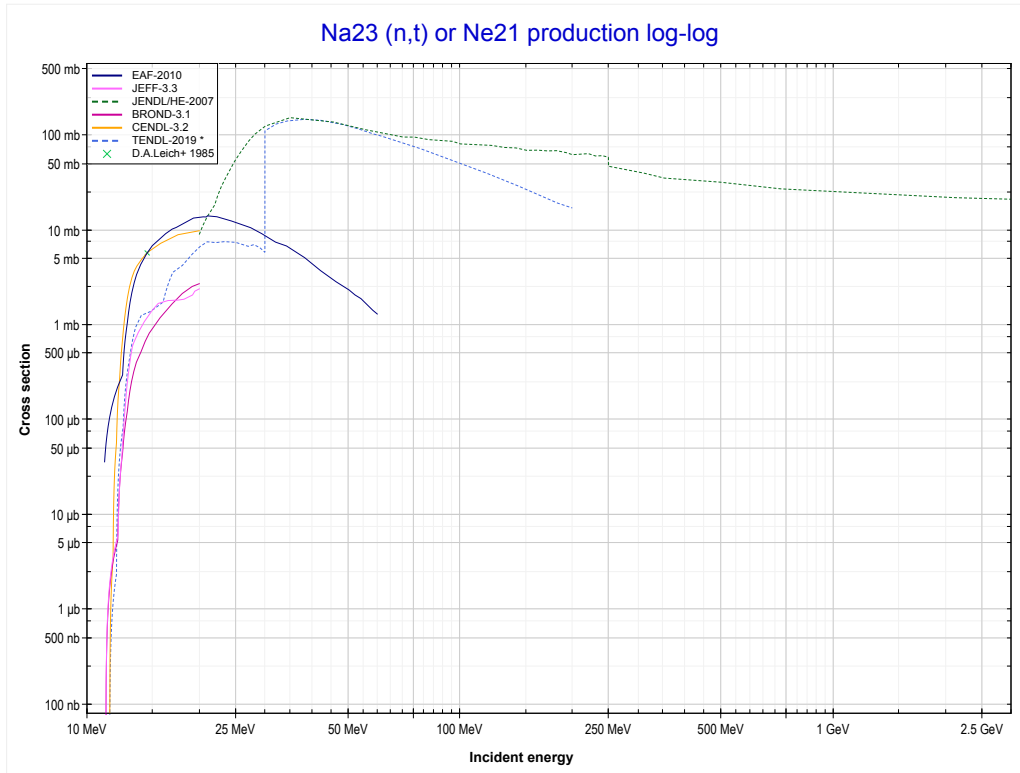
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.423665 b | 0.423348 b | 0.42325 b | 0.99978 | 0.246981 b | 2.17361E-4 b | 3.1186E-4 b |
| ENDF/B-VIII.0 | 0.528212 b | 0.528212 b | 0.52838 b | 1.00032 | 0.314727 b | 2.80268E-4 b | 2.12353E-4 b |
| JEFF-3.3 | 0.524024 b | 0.524024 b | 0.5242 b | 1.00034 | 0.30853 b | 2.81956E-4 b | 2.2594E-4 b |
| JENDL-4.0u | 0.531556 b | 0.531556 b | 0.53174 b | 1.00034 | 0.310524 b | 2.87227E-4 b | 1.9E-4 b |
| JENDL/HE-2007 | 0.531365 b | 0.531365 b | 0.53141 b | 1.00008 | 0.310012 b | 2.87182E-4 b | 1.9E-4 b |
| BROND-3.1 | 0.524036 b | 0.524036 b | 0.52421 b | 1.00034 | 0.308537 b | 3.15343E-4 b | 2.1727E-4 b |
| CENDL-3.2 | 0.531365 b | 0.531365 b | 0.53141 b | 1.00008 | 0.310012 b | 2.56008E-4 b | 2.3656E-4 b |
| IRDF-II | 0.536027 b | 0.536027 b | 0.53623 b | 1.00038 | 0.313555 b | 2.83752E-4 b | 2.10162E-4 b |
| TENDL-2019 | 0.521083 b | 0.521083 b | 0.52112 b | 1.00008 | 0.309866 b | 2.97206E-4 b | 2.12282E-4 b |

| | | |
|-------------------------|---|----------------|
| << 11-Na-22 | 11-Na-23 | 12-Mg-24 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ne23 production) | MT105 (n,t) >> |



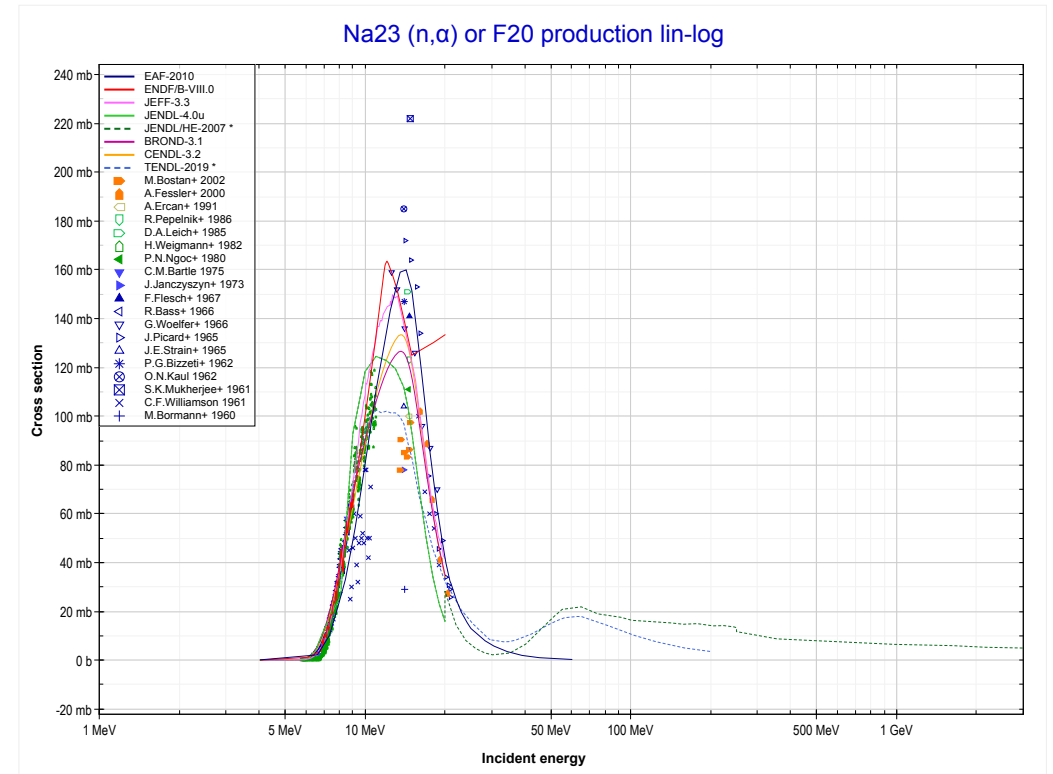
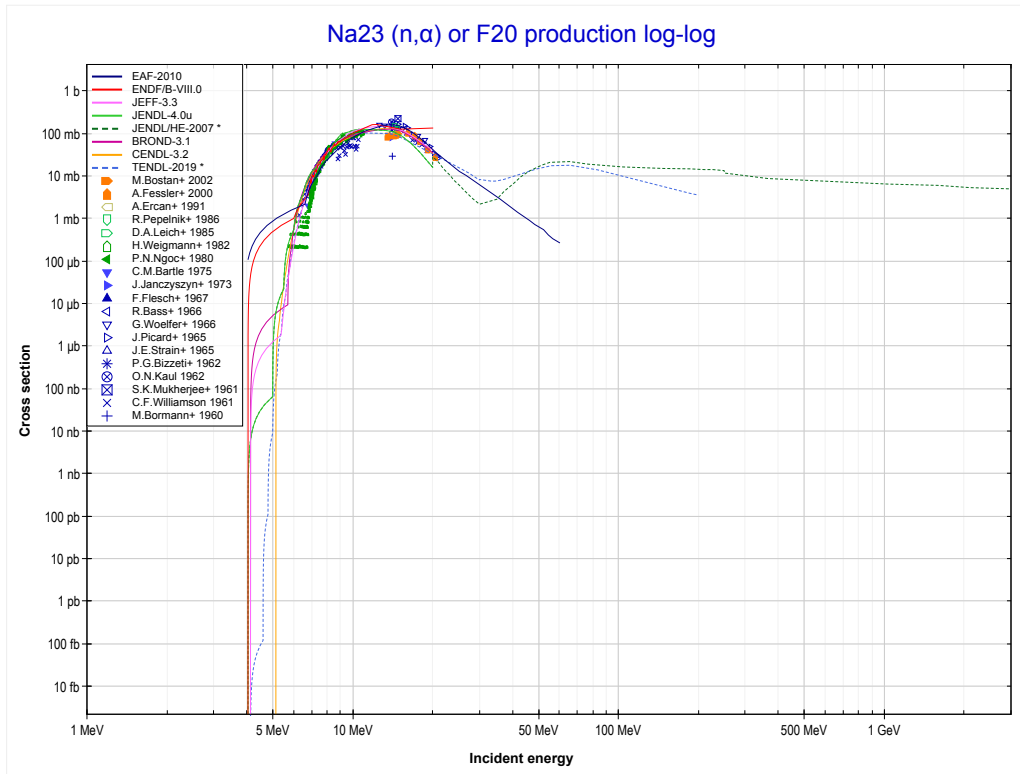
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00173023 b | 0.0456135 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0016769 b | 0.0602 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00166533 b | 0.0470744 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00171172 b | 0.039665 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00171172 b | 0.039665 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00191514 b | 0.0539091 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00160156 b | 0.048587 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.002183 b | 0.0354036 b |

| | | |
|----------------|---|-------------------------|
| << 10-Ne-20 | 11-Na-23 | 12-Mg-24 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ne21 production) | MT107 (n, α) >> |



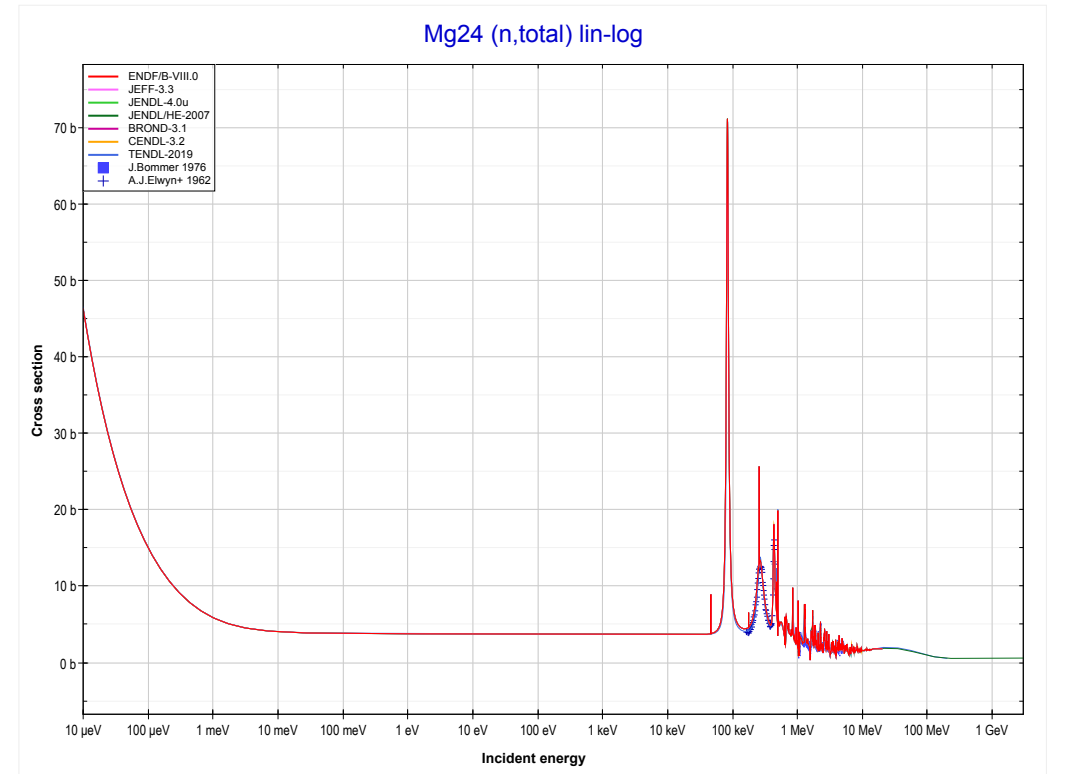
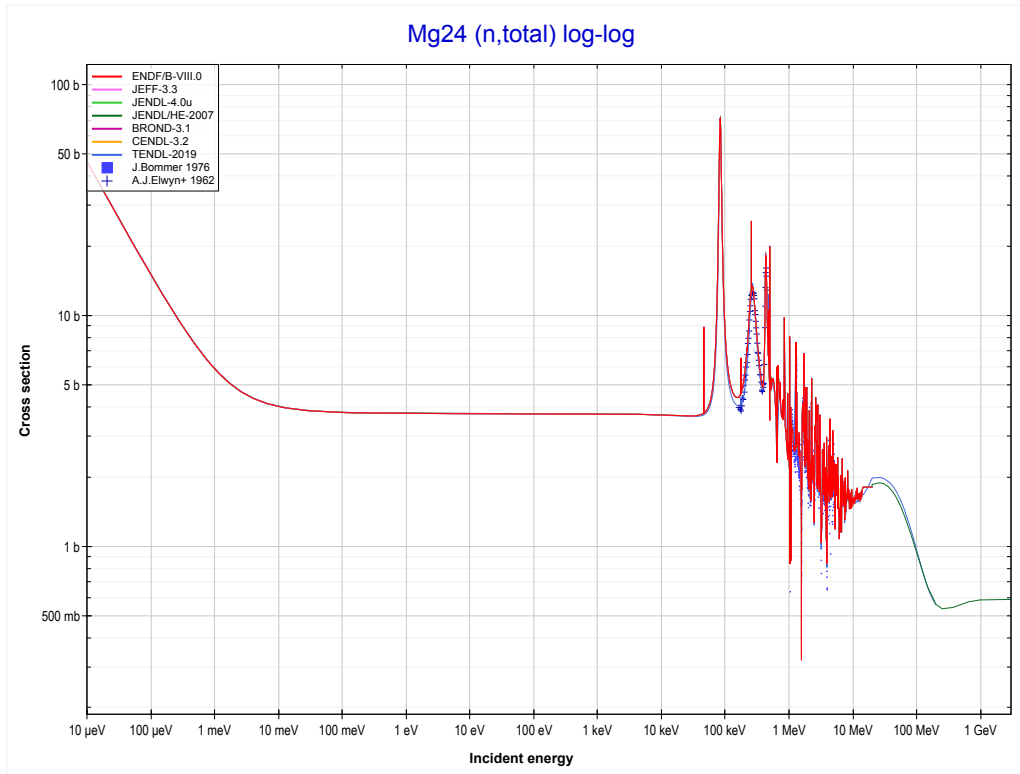
| Reaction | Q-Value |
|------------------|---------------|
| Na23(n,t)Ne21 | -10676.57 keV |
| Na23(n,n+d)Ne21 | -16933.79 keV |
| Na23(n,2n+p)Ne21 | -19158.36 keV |

| | | |
|----------------|--|---------------------------|
| << 11-Na-22 | 11-Na-23 | 12-Mg-24 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (F20 production) | 12-Mg-24 MT1 (n,total) >> |



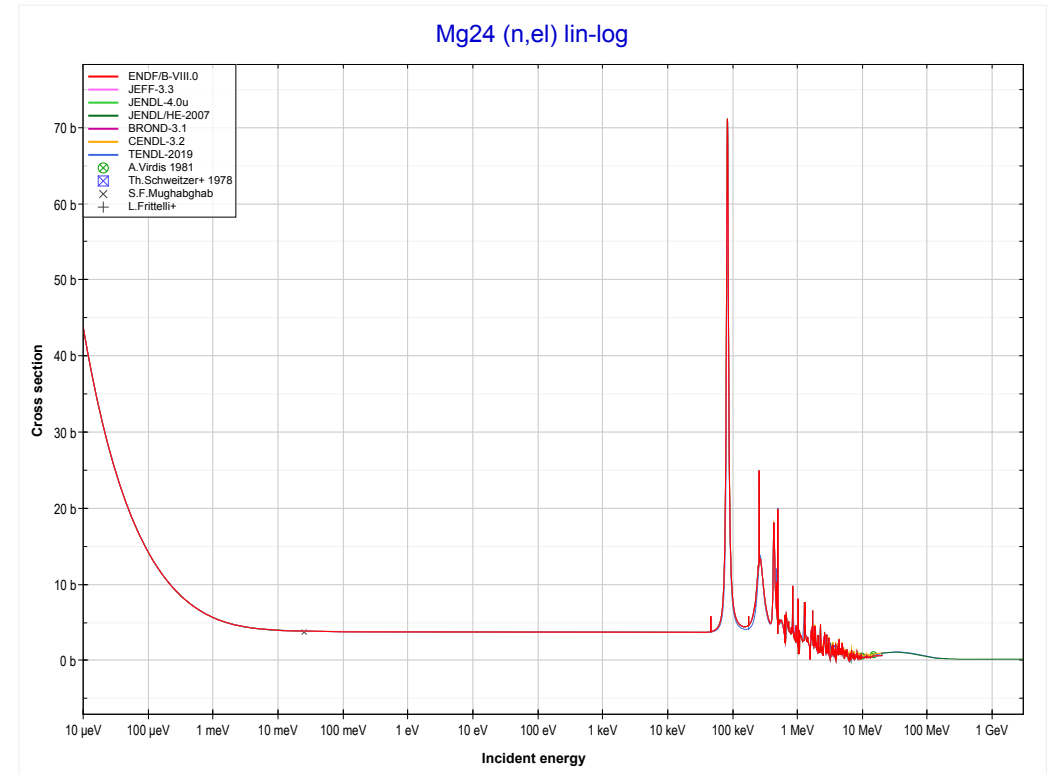
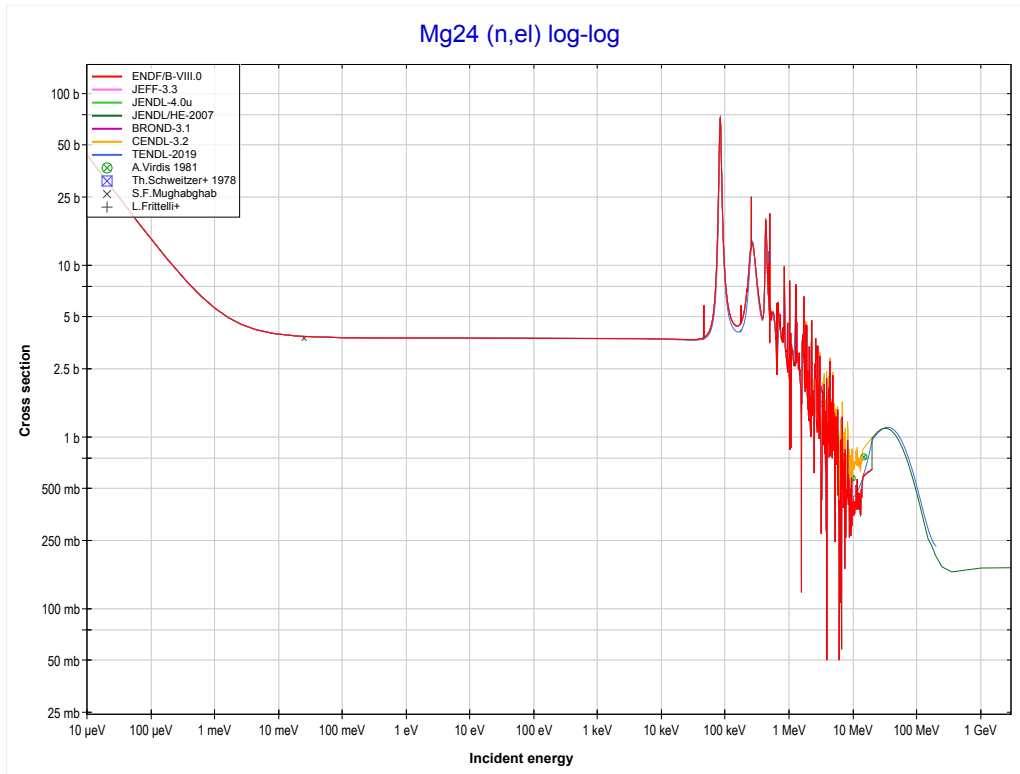
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74775E-4 b | 0.159619 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.31407E-4 b | 0.14 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.07396E-4 b | 0.137741 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.61168E-4 b | 0.11186 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.61157E-4 b | 0.11186 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.12969E-4 b | 0.12594 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.73271E-4 b | 0.13276 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.48147E-4 b | 0.0969724 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 11-Na-23 | 12-Mg-24 | 12-Mg-25 >> |
| << 11-Na-23 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



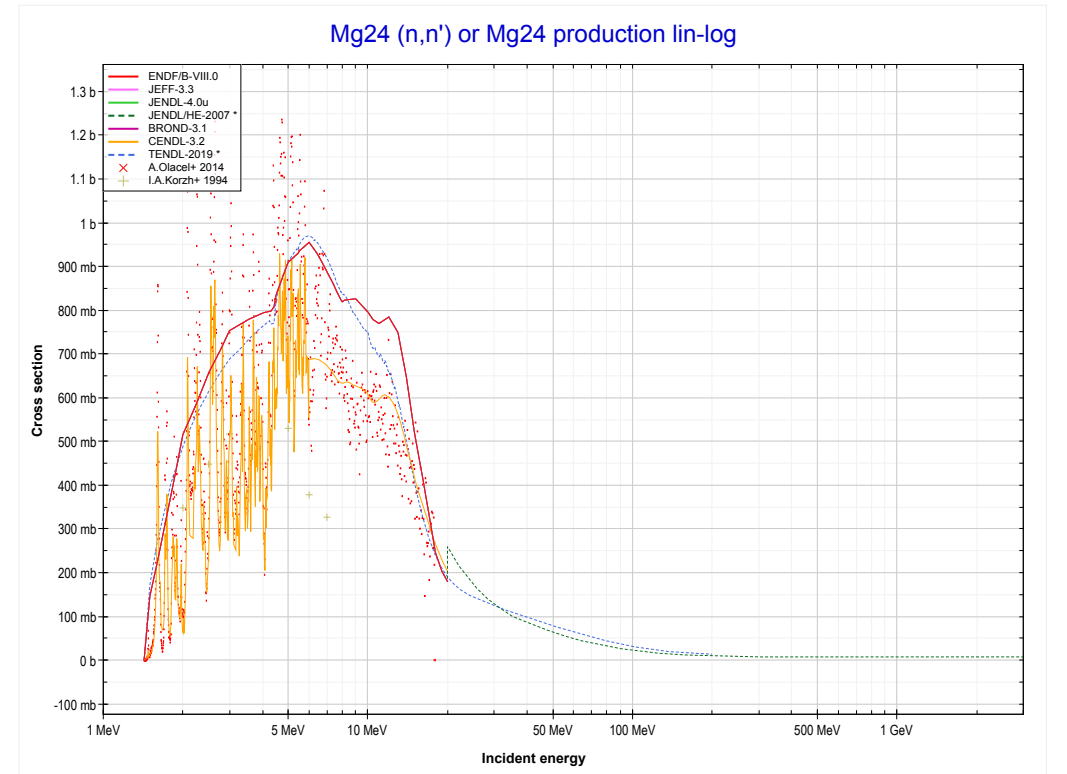
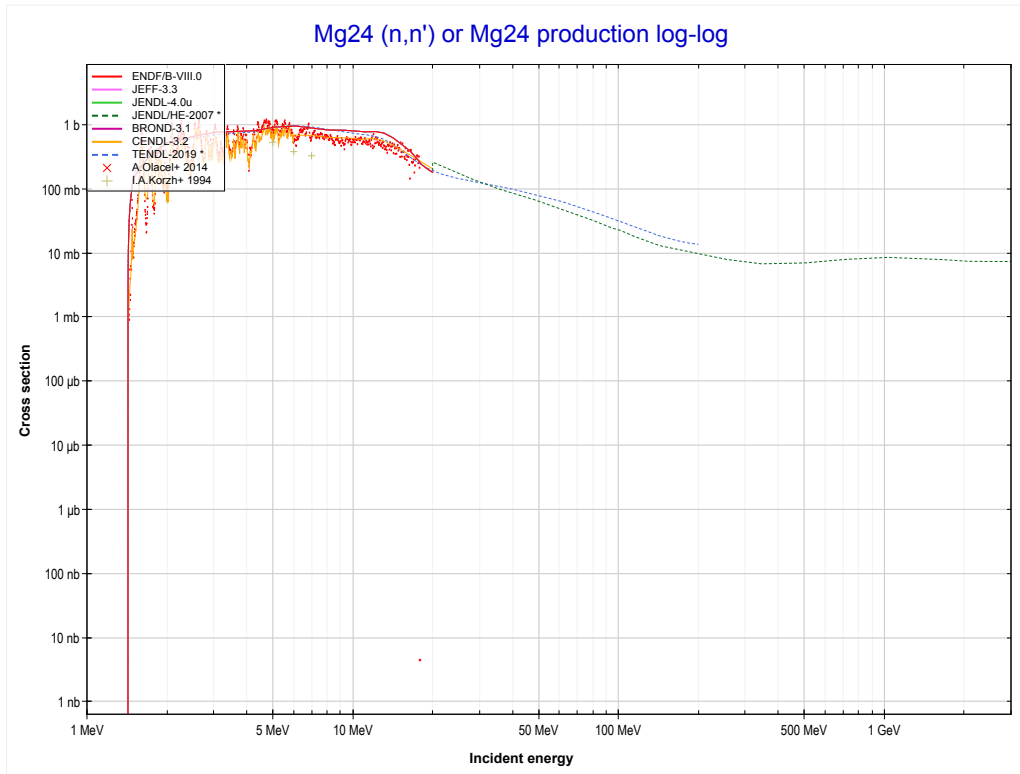
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.87763 b | 3.87763 b | 4.3682 b | 1.1265 | 53.9615 b | 3.55053 b | 1.74739 b |
| JEFF-3.3 | 3.87763 b | 3.87763 b | 4.3682 b | 1.1265 | 53.9615 b | 3.55053 b | 1.74739 b |
| JENDL-4.0u | 3.87763 b | 3.87763 b | 4.3682 b | 1.1265 | 53.9615 b | 3.55053 b | 1.74739 b |
| JENDL/HE-2007 | 3.87762 b | 3.87762 b | 4.3683 b | 1.12655 | 53.9814 b | 3.55047 b | 1.74739 b |
| BROND-3.1 | 3.87763 b | 3.87763 b | 4.3682 b | 1.1265 | 53.9615 b | 3.55053 b | 1.74739 b |
| CENDL-3.2 | 3.87762 b | 3.87762 b | 4.3683 b | 1.12655 | 53.9814 b | 3.55292 b | 1.74739 b |
| TENDL-2019 | 3.88845 b | 3.88845 b | 4.3801 b | 1.12644 | 53.1797 b | 3.55335 b | 1.65627 b |

| | | |
|------------------|------------------------|---------------|
| << 11-Na-23 | 12-Mg-24 | 12-Mg-25 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



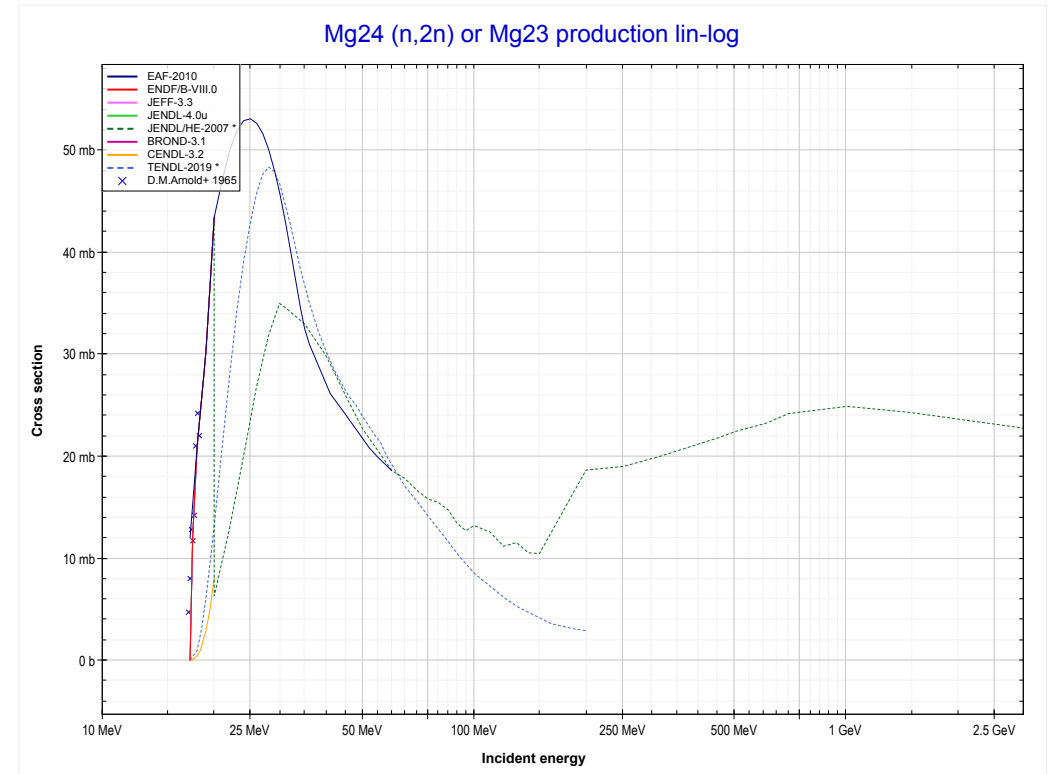
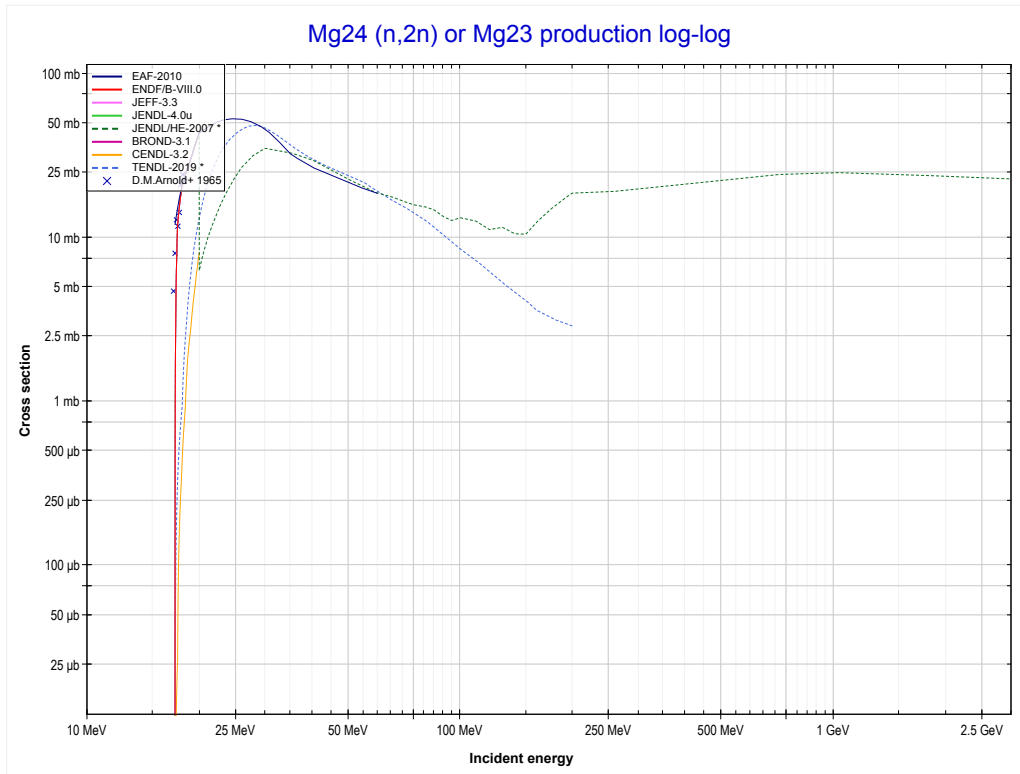
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.82733 b | 3.82733 b | 4.3178 b | 1.12816 | 53.9323 b | 3.20422 b | 0.524689 b |
| JEFF-3.3 | 3.82733 b | 3.82733 b | 4.3178 b | 1.12816 | 53.9323 b | 3.20422 b | 0.524689 b |
| JENDL-4.0u | 3.82733 b | 3.82733 b | 4.3178 b | 1.12816 | 53.9323 b | 3.20422 b | 0.524689 b |
| JENDL/HE-2007 | 3.82733 b | 3.82733 b | 4.318 b | 1.12821 | 53.9545 b | 3.20417 b | 0.524689 b |
| BROND-3.1 | 3.82733 b | 3.82733 b | 4.3178 b | 1.12816 | 53.9323 b | 3.20422 b | 0.524689 b |
| CENDL-3.2 | 3.82733 b | 3.82733 b | 4.318 b | 1.12821 | 53.9545 b | 3.33519 b | 0.779599 b |
| TENDL-2019 | 3.83464 b | 3.83464 b | 4.3263 b | 1.12821 | 53.1483 b | 3.21782 b | 0.563154 b |

| | | |
|--------------------|--|----------------|
| << 11-Na-23 | 12-Mg-24 | 13-Al-27 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Mg24 production) | MT16 (n,2n) >> |



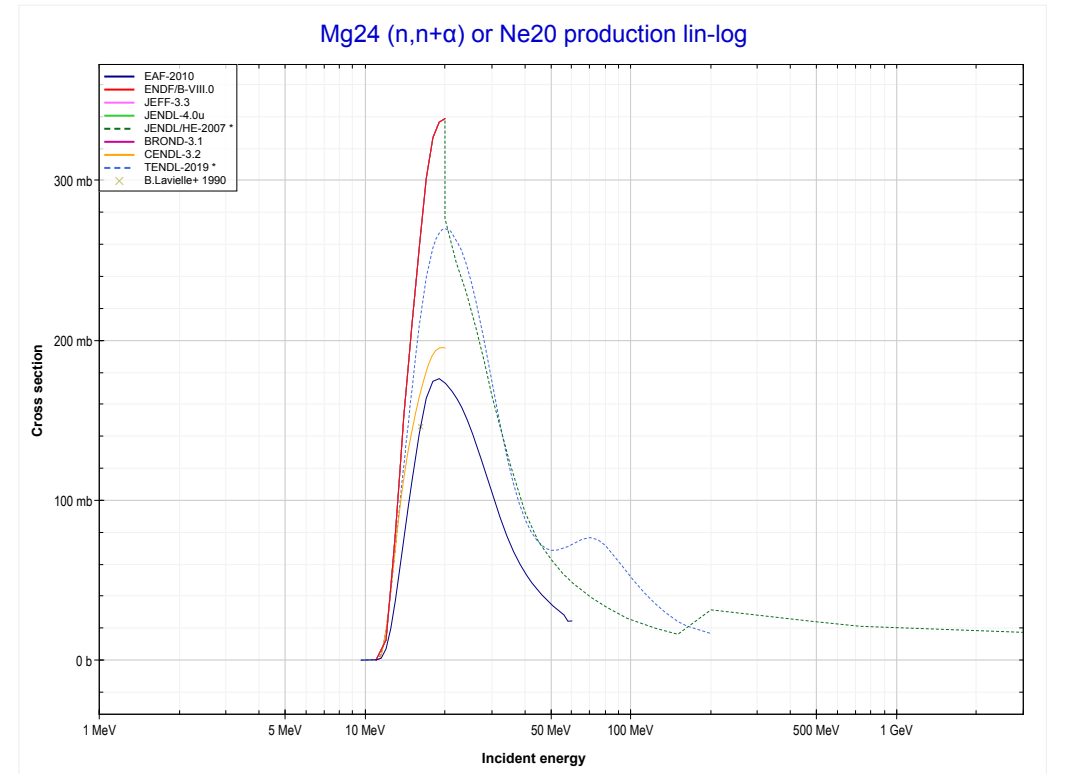
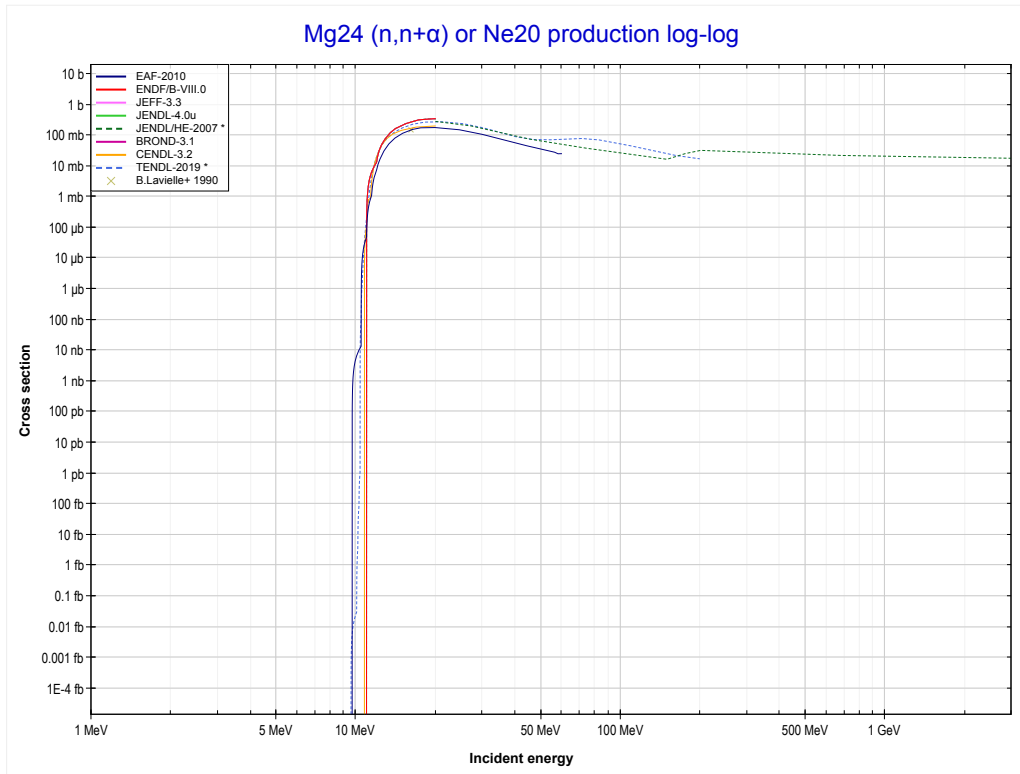
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.33777 b | 0.645041 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.33777 b | 0.645041 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.33777 b | 0.645041 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.337751 b | 0.645041 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.33777 b | 0.645041 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.212006 b | 0.488631 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.328888 b | 0.498155 b |

| | | |
|---------------|---|-----------------|
| << 11-Na-23 | 12-Mg-24 | 13-Al-27 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Mg23 production) | MT22 (n,n+α) >> |



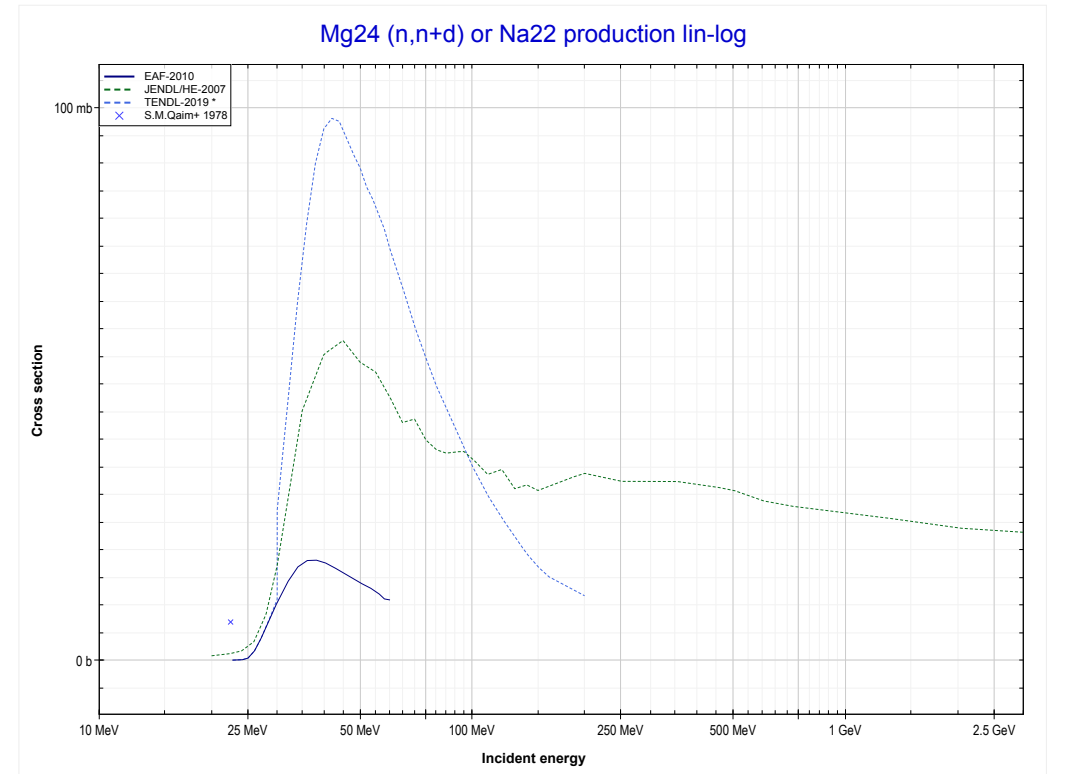
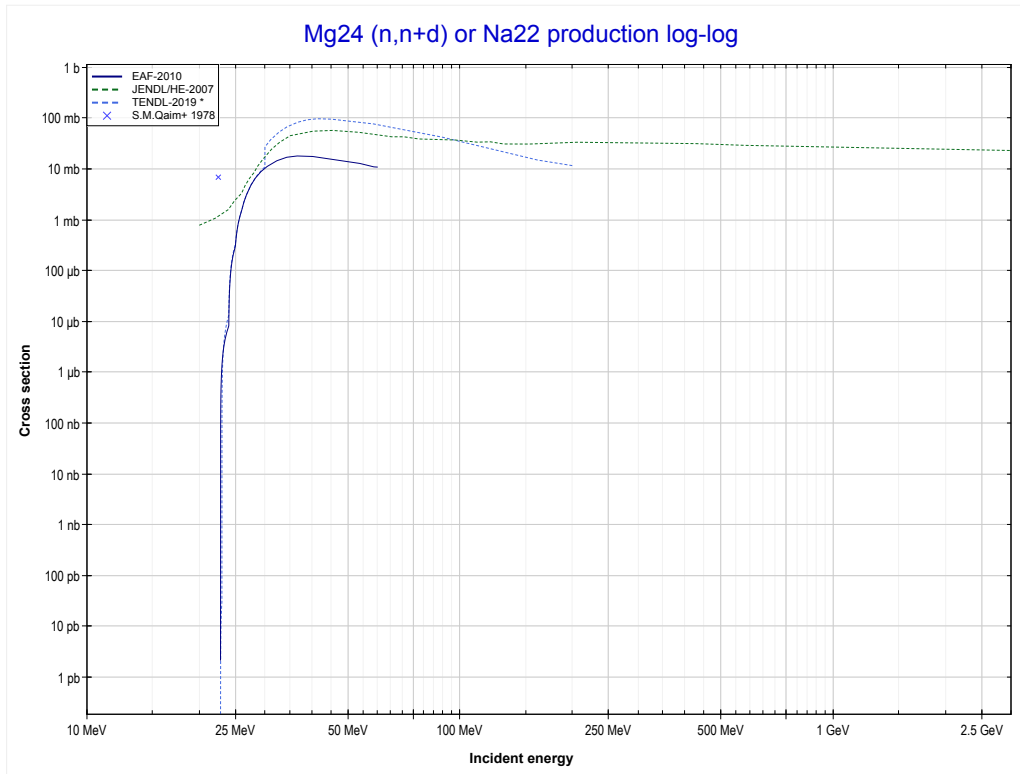
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99302E-7 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.11307E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.11307E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.11307E-7 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.11302E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.11307E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3857E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.84809E-8 b | 0 b |

| | | |
|----------------|--|-----------------|
| << 11-Na-23 | 12-Mg-24 | 14-Si-28 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Ne20 production) | MT32 (n,n+d) >> |



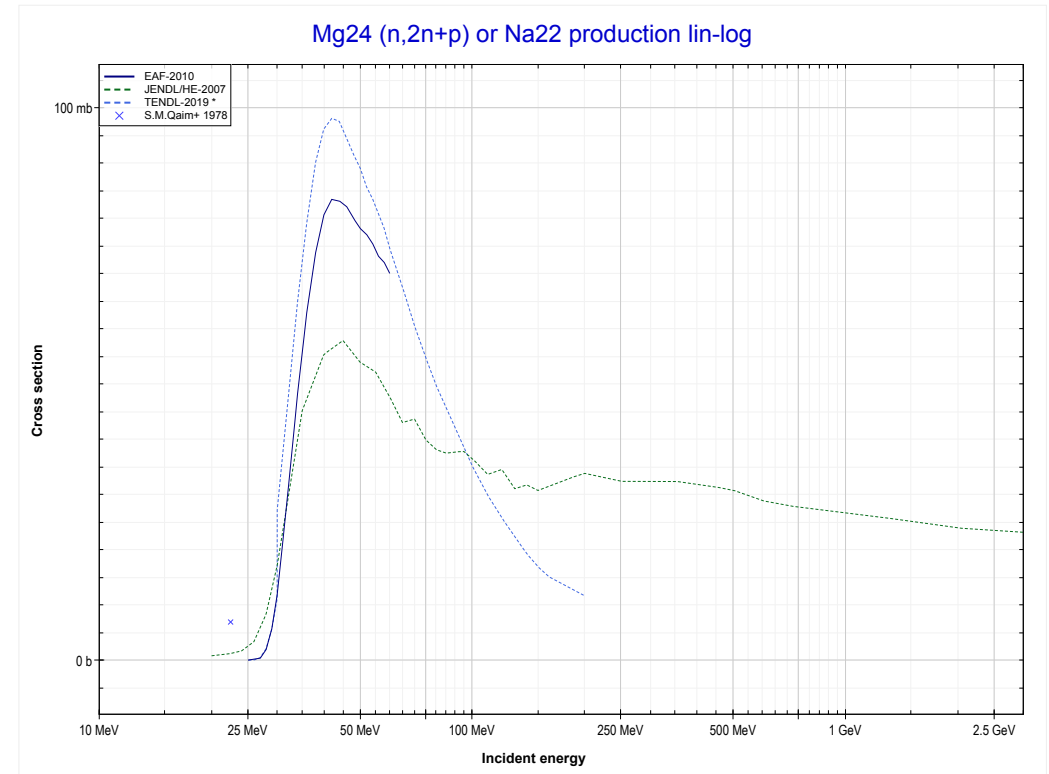
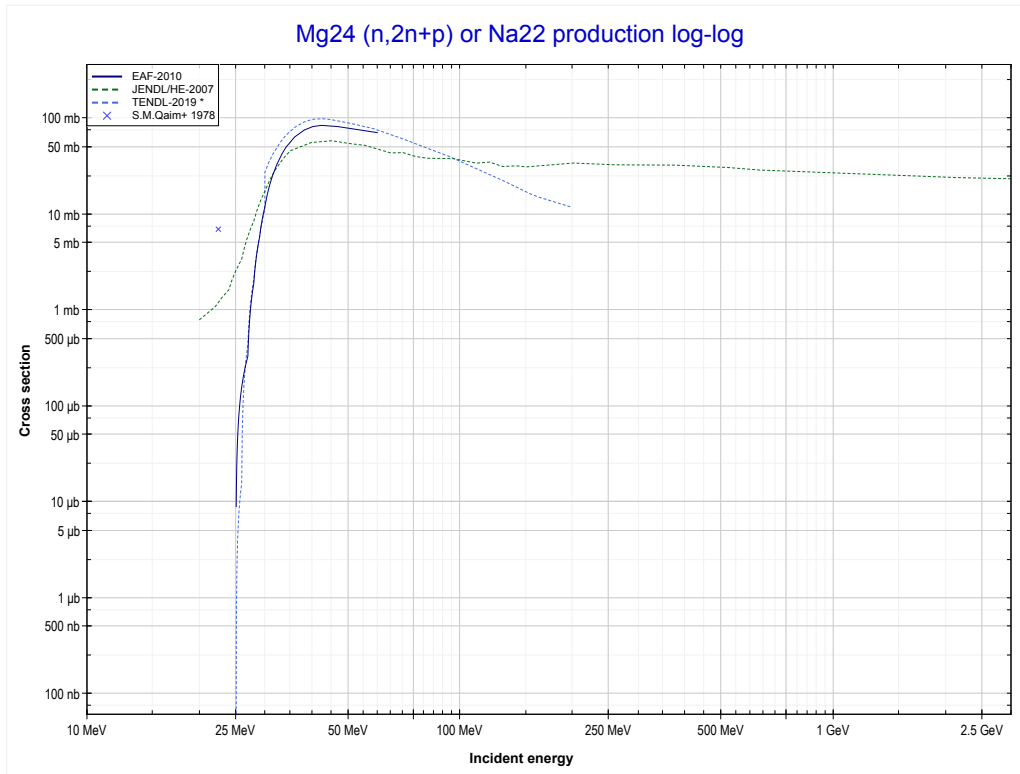
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.23708E-5 b | 0.152943 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.23708E-5 b | 0.152943 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.23708E-5 b | 0.152943 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.23677E-5 b | 0.152943 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.23708E-5 b | 0.152943 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.05448E-5 b | 0.113772 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.46291E-5 b | 0.121719 b |

| | | |
|-----------------|--|------------------|
| << 10-Ne-20 | 12-Mg-24 | 18-Ar-40 >> |
| << MT22 (n,n+α) | MT32 (n,n+d) or MT5 (Na22 production) | MT41 (n,2n+p) >> |



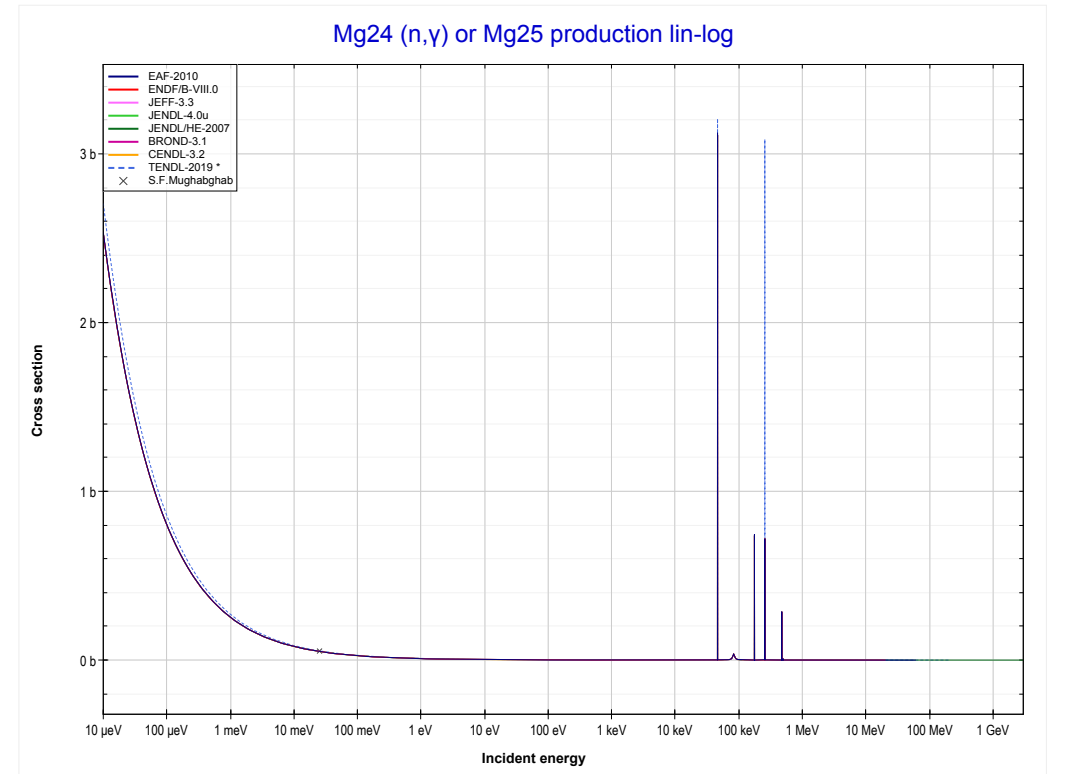
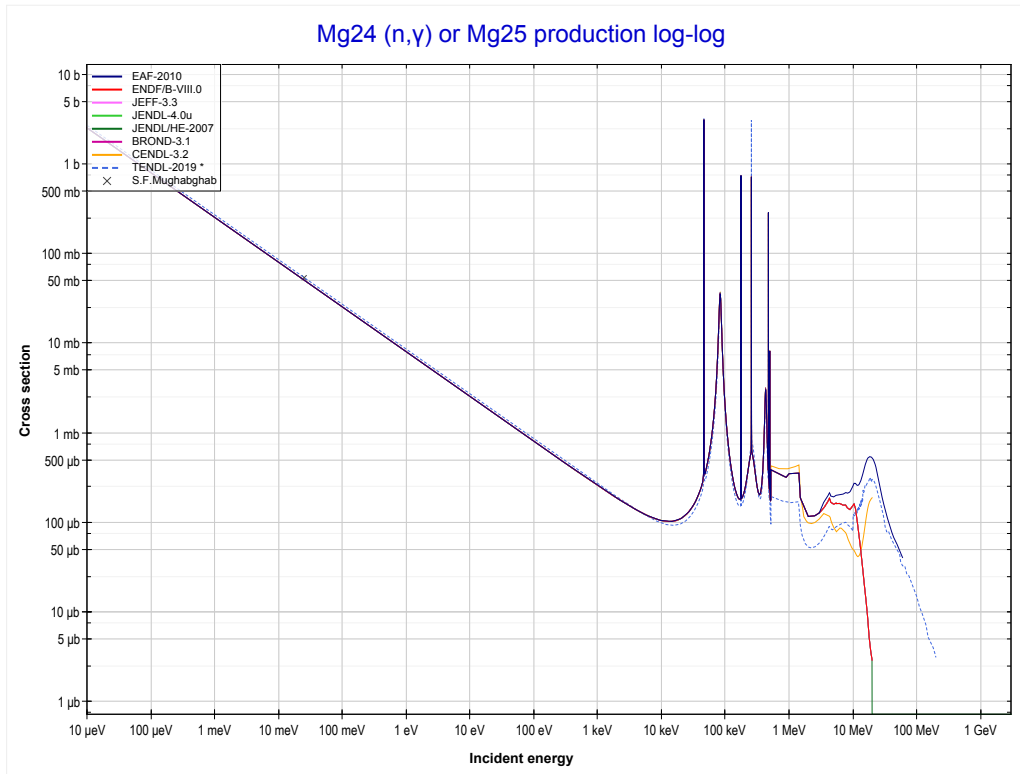
| Reaction | Q-Value |
|------------------|---------------|
| Mg24(n,t)Na22 | -15630.55 keV |
| Mg24(n,n+d)Na22 | -21887.78 keV |
| Mg24(n,2n+p)Na22 | -24112.35 keV |

| | | |
|-----------------|---|-------------------------|
| << 10-Ne-20 | 12-Mg-24 | 18-Ar-40 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Na22 production) | MT102 (n, γ) >> |



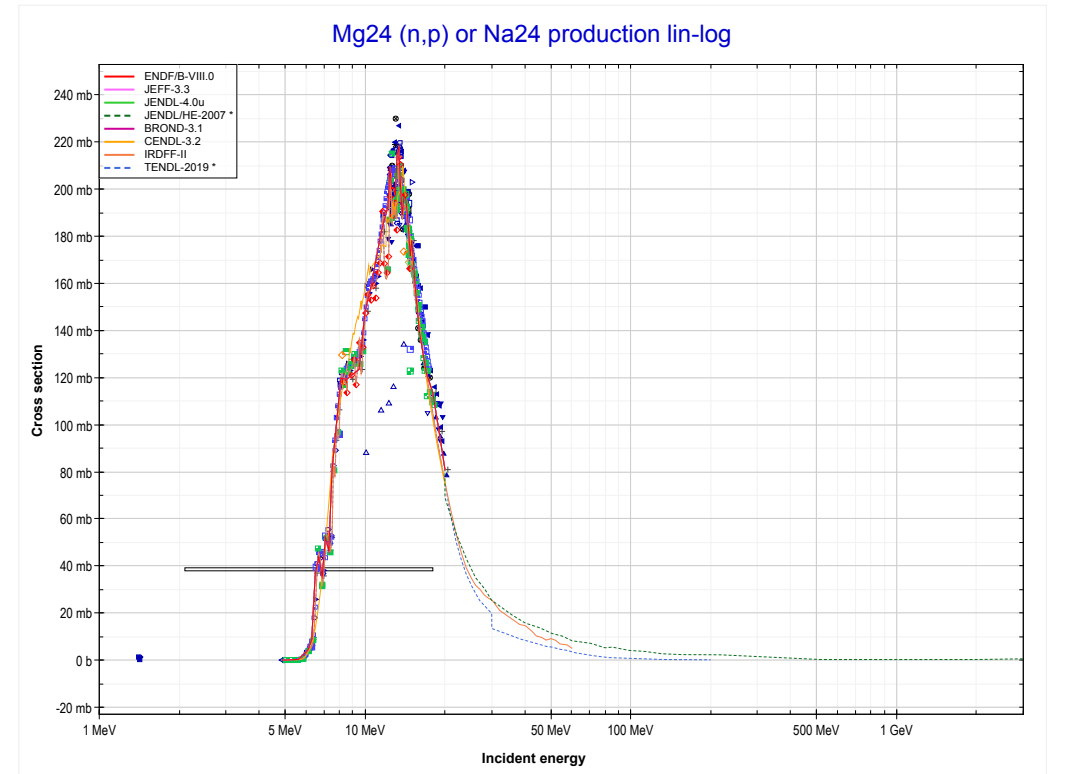
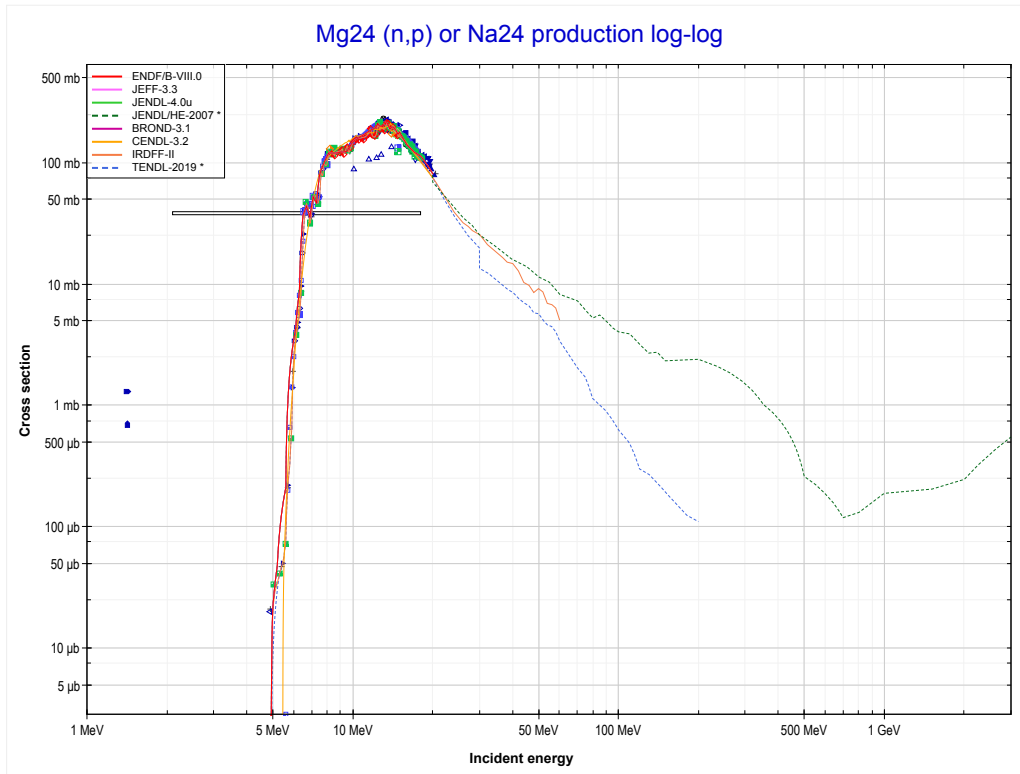
| Reaction | Q-Value |
|------------------|---------------|
| Mg24(n,t)Na22 | -15630.55 keV |
| Mg24(n,n+d)Na22 | -21887.78 keV |
| Mg24(n,2n+p)Na22 | -24112.35 keV |

| | | |
|------------------|---|----------------|
| << 11-Na-23 | 12-Mg-24 | 12-Mg-25 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Mg25 production) | MT103 (n,p) >> |



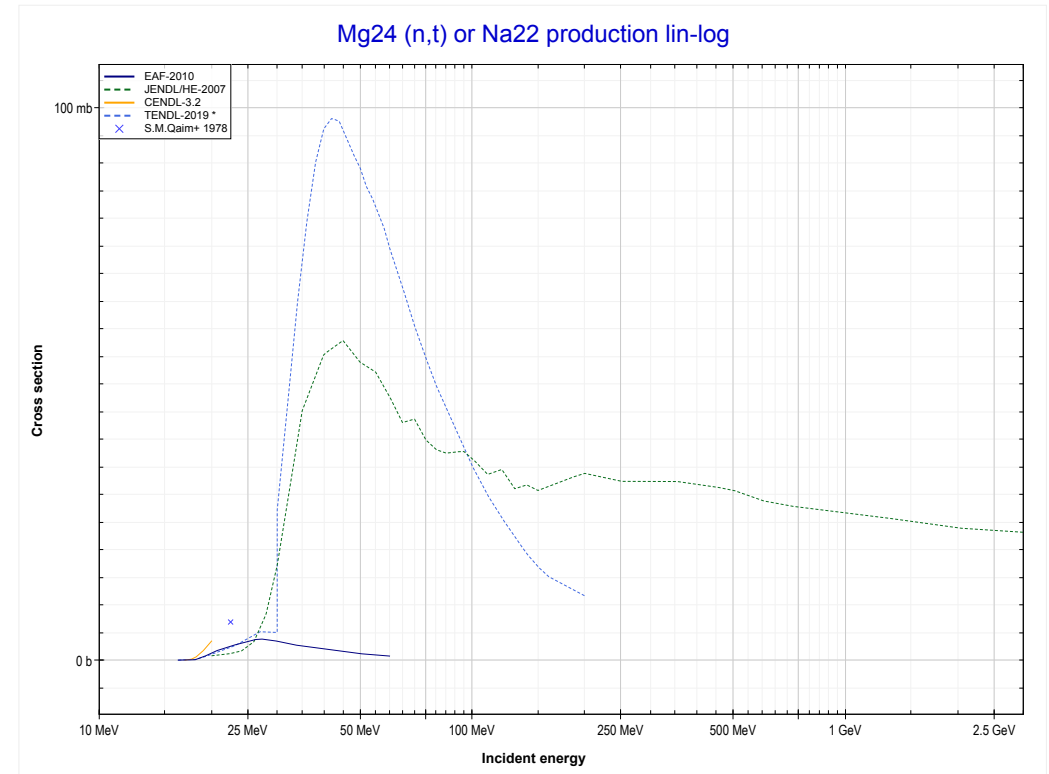
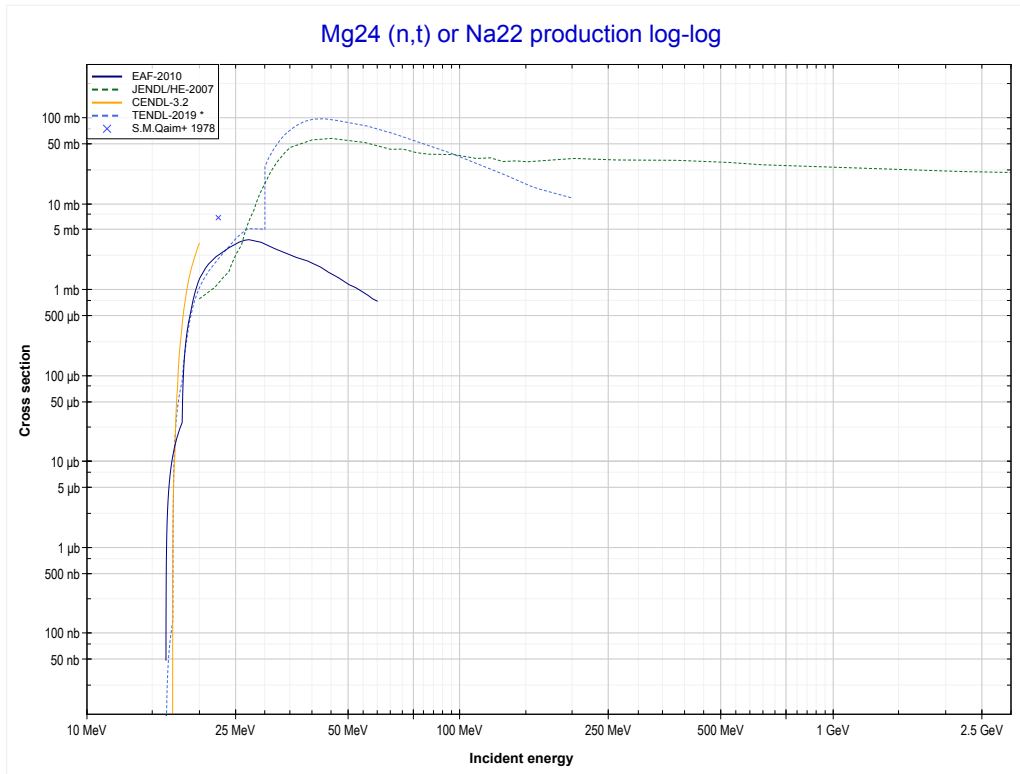
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.050382 b | 0.0503494 b | 0.050444 b | 1.00197 | 0.0291858 b | 3.9498E-4 b | 3.2795E-4 b |
| ENDF/B-VIII.0 | 0.0503068 b | 0.0503068 b | 0.050324 b | 1.00033 | 0.0291516 b | 3.88618E-4 b | 3.43988E-5 b |
| JEFF-3.3 | 0.0503068 b | 0.0503068 b | 0.050324 b | 1.00033 | 0.0291516 b | 3.88618E-4 b | 3.43988E-5 b |
| JENDL-4.0u | 0.0503068 b | 0.0503068 b | 0.050324 b | 1.00033 | 0.0291516 b | 3.88618E-4 b | 3.43988E-5 b |
| JENDL/HE-2007 | 0.0502888 b | 0.0502888 b | 0.050292 b | 1.00007 | 0.0291045 b | 3.88527E-4 b | 3.43988E-5 b |
| BROND-3.1 | 0.0503068 b | 0.0503068 b | 0.050324 b | 1.00033 | 0.0291516 b | 3.88618E-4 b | 3.43988E-5 b |
| CENDL-3.2 | 0.0502888 b | 0.0502888 b | 0.050292 b | 1.00007 | 0.0291045 b | 3.91423E-4 b | 5.66429E-5 b |
| TENDL-2019 | 0.0538074 b | 0.0538074 b | 0.053811 b | 1.00007 | 0.0303231 b | 3.22284E-4 b | 1.86943E-4 b |

| | | |
|-------------------------|---|----------------|
| << 11-Na-23 | 12-Mg-24 | 12-Mg-25 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Na24 production) | MT105 (n,t) >> |



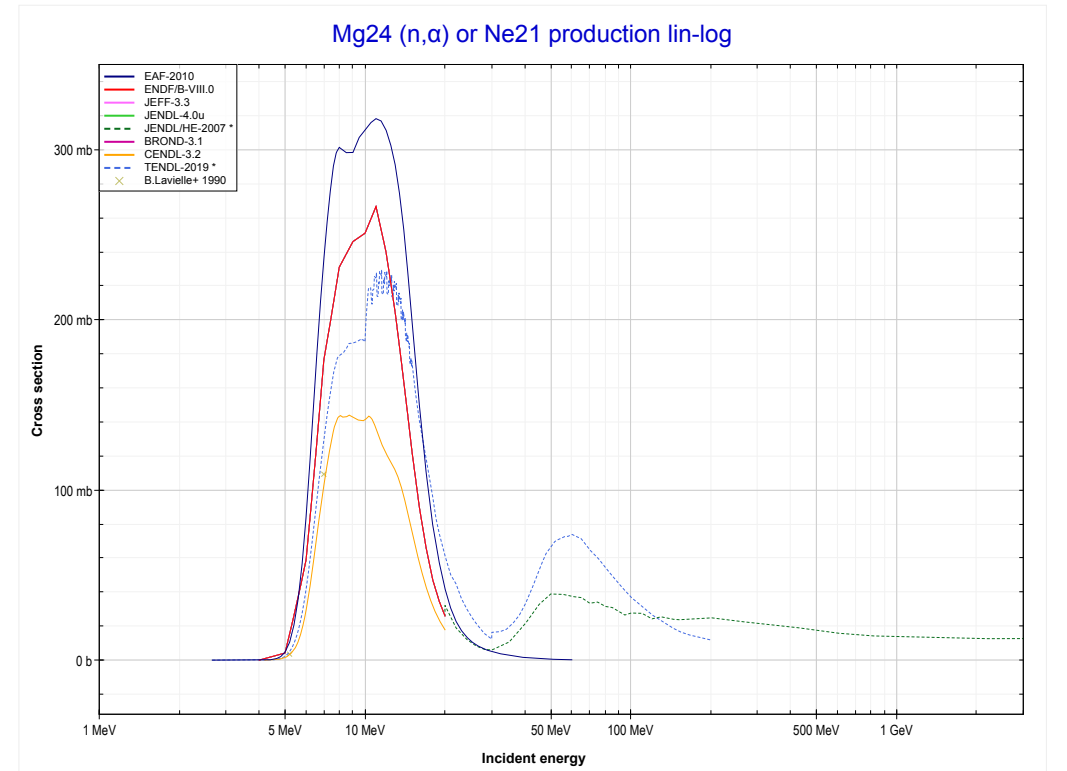
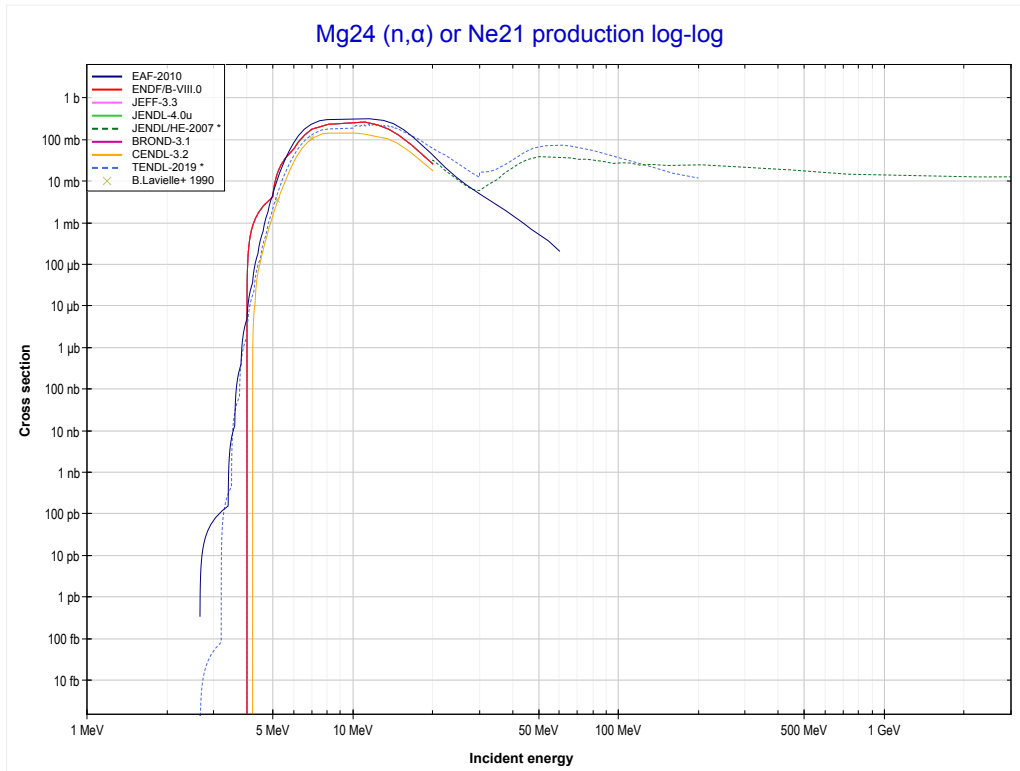
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198768 b | 0.1965 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198768 b | 0.1965 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198768 b | 0.1965 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198768 b | 0.1965 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198768 b | 0.1965 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00192193 b | 0.20498 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00183766 b | 0.191853 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00183745 b | 0.191977 b |

| | | |
|----------------|---|-------------------------|
| << 11-Na-23 | 12-Mg-24 | 13-Al-27 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Na22 production) | MT107 (n, α) >> |



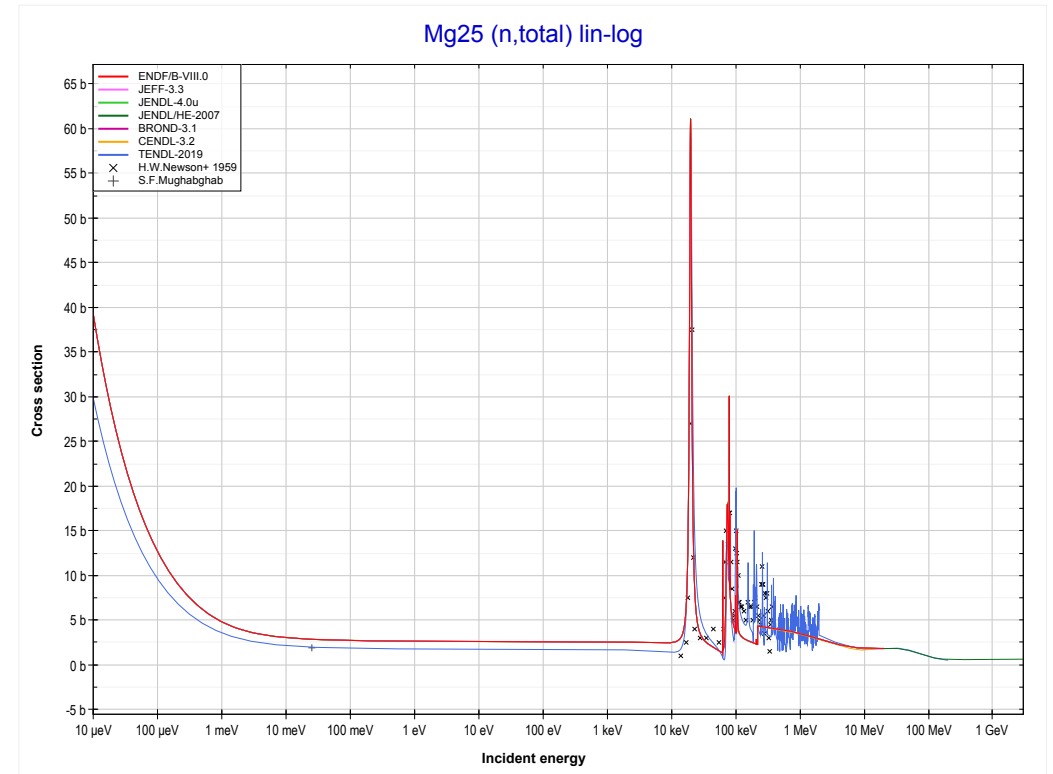
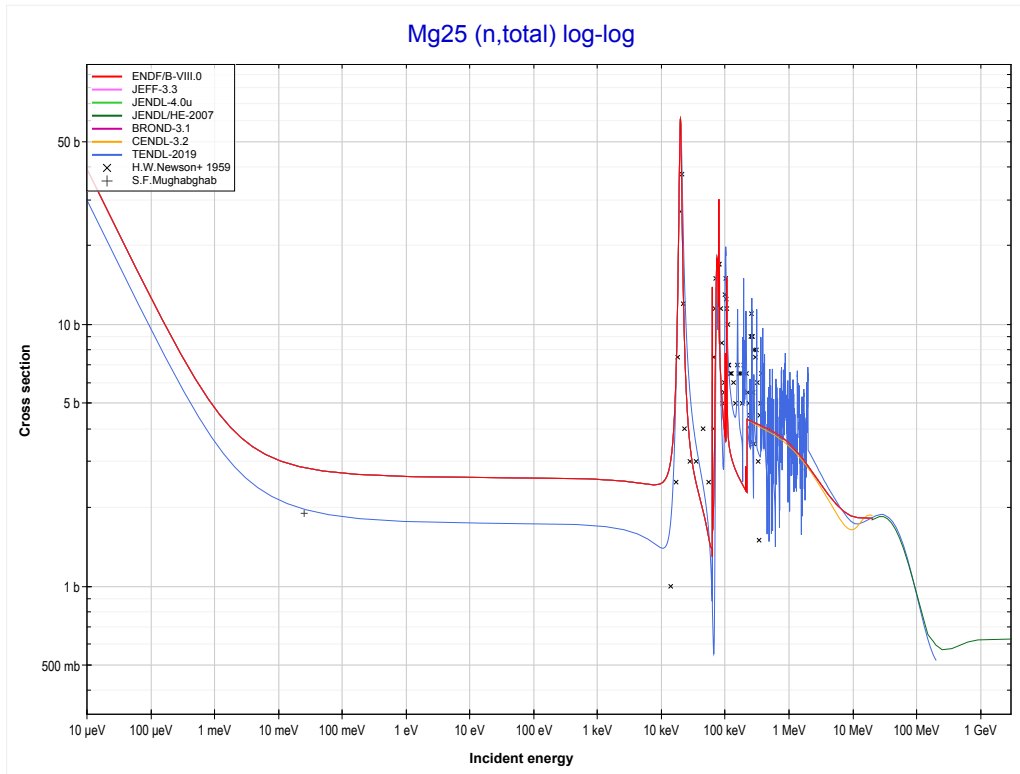
| Reaction | Q-Value |
|------------------|---------------|
| Mg24(n,t)Na22 | -15630.55 keV |
| Mg24(n,n+d)Na22 | -21887.78 keV |
| Mg24(n,2n+p)Na22 | -24112.35 keV |

| | | |
|----------------|---|---------------------------|
| << 11-Na-23 | 12-Mg-24 | 12-Mg-25 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ne21 production) | 12-Mg-25 MT1 (n,total) >> |



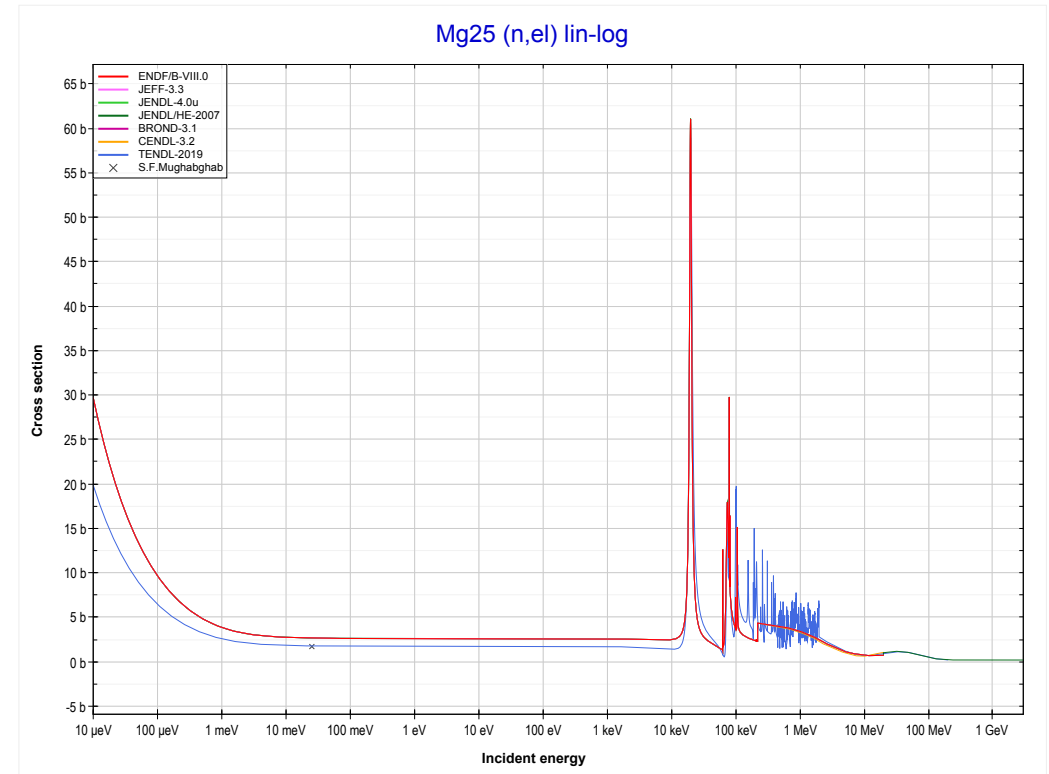
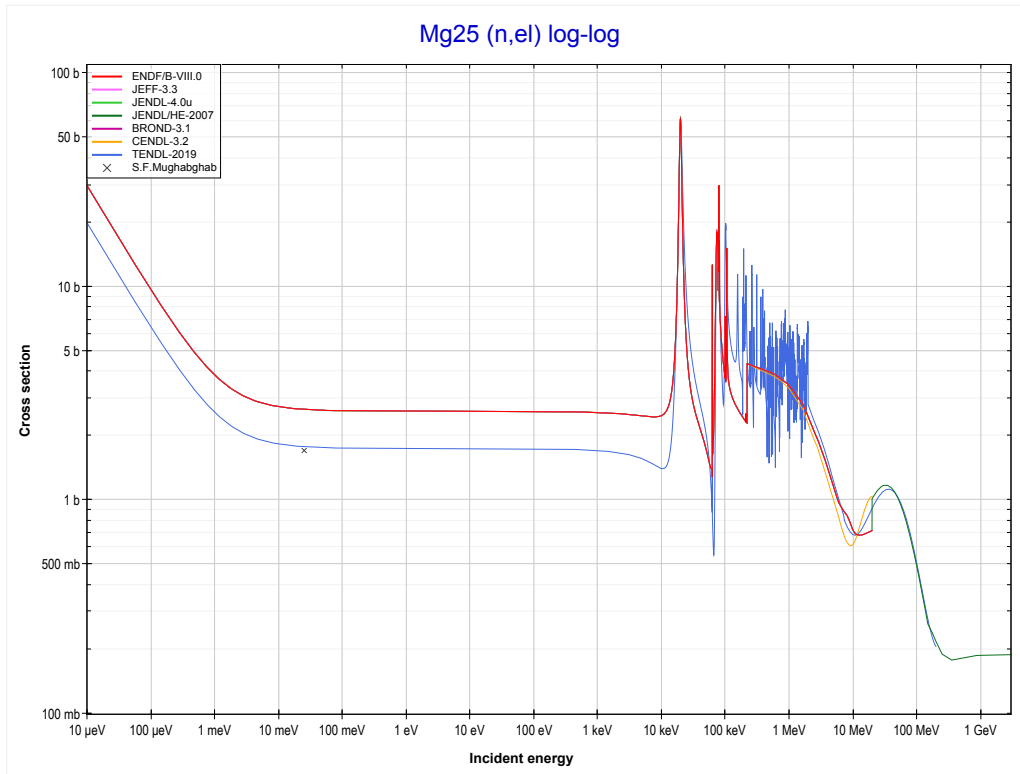
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00775924 b | 0.252867 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00608152 b | 0.163499 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00608152 b | 0.163499 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00608152 b | 0.163499 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00608152 b | 0.163499 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00608152 b | 0.163499 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00328847 b | 0.0962208 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00438116 b | 0.203001 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 12-Mg-24 | 12-Mg-25 | 12-Mg-26 >> |
| << 12-Mg-24 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



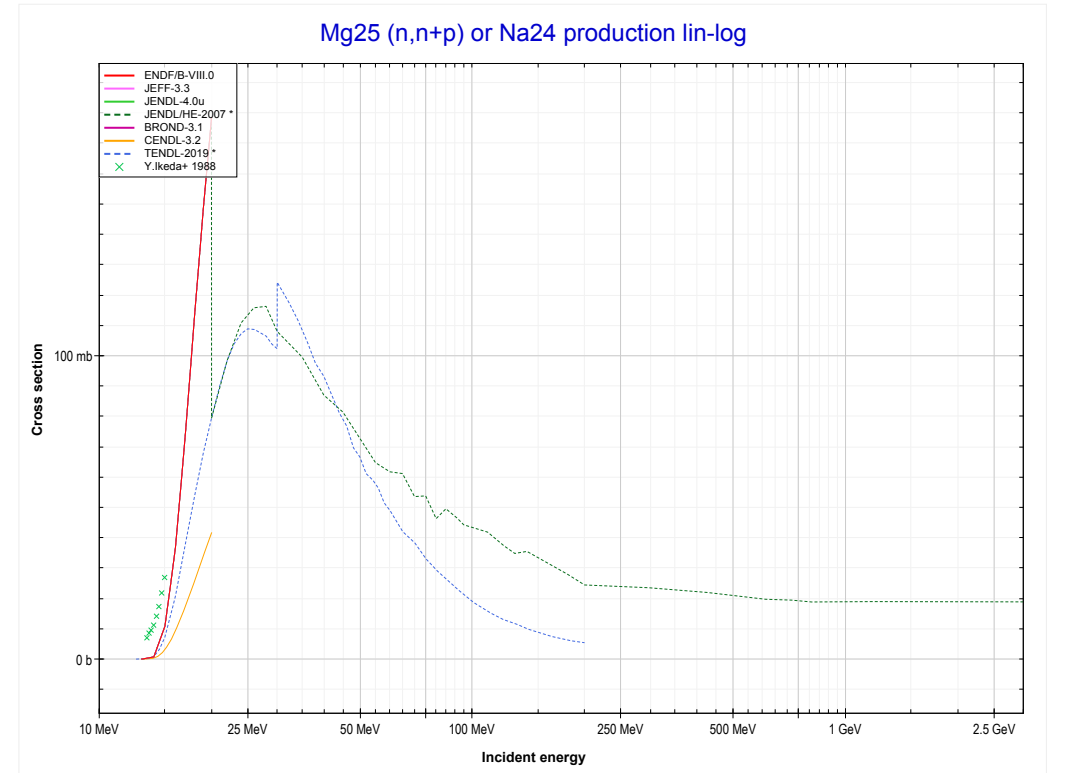
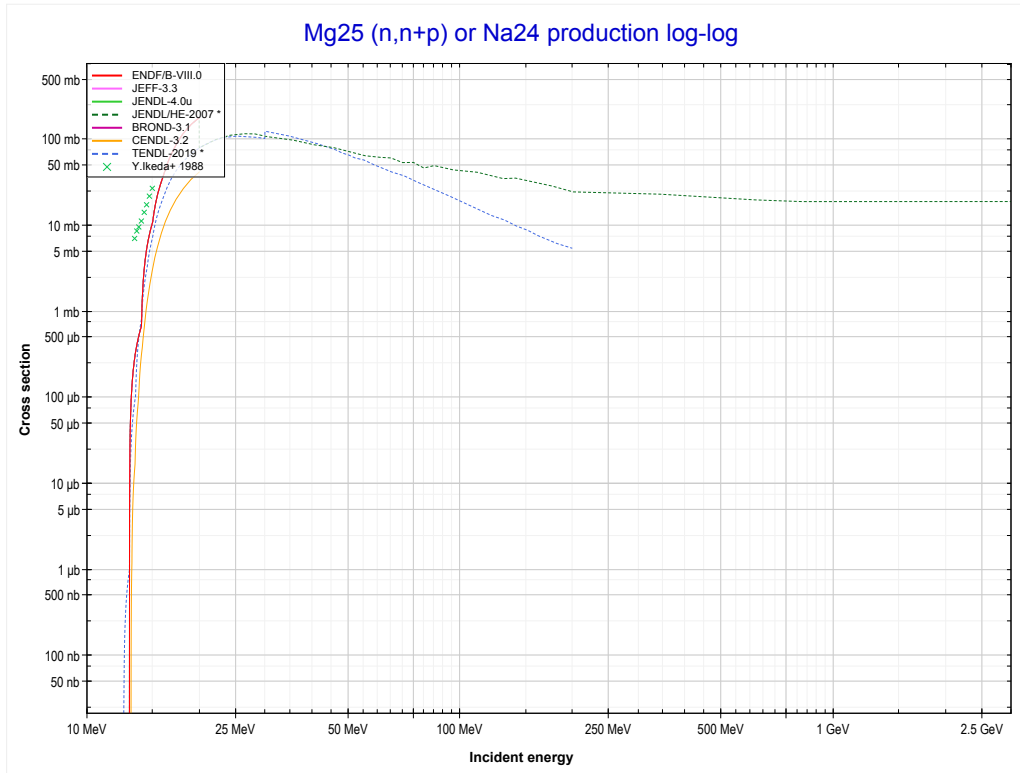
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.83754 b | 2.83754 b | 3.1769 b | 1.1196 | 41.2504 b | 3.09938 b | 1.82299 b |
| JEFF-3.3 | 2.83754 b | 2.83754 b | 3.1769 b | 1.1196 | 41.2504 b | 3.09938 b | 1.82299 b |
| JENDL-4.0u | 2.83754 b | 2.83754 b | 3.1769 b | 1.1196 | 41.2504 b | 3.09938 b | 1.82299 b |
| JENDL/HE-2007 | 2.83747 b | 2.83747 b | 3.1769 b | 1.11963 | 41.2588 b | 3.10196 b | 1.82299 b |
| BROND-3.1 | 2.83754 b | 2.83754 b | 3.1769 b | 1.1196 | 41.2504 b | 3.09938 b | 1.82299 b |
| CENDL-3.2 | 2.83747 b | 2.83747 b | 3.1769 b | 1.11963 | 41.2588 b | 3.02391 b | 1.79082 b |
| TENDL-2019 | 1.9689 b | 1.9689 b | 2.1959 b | 1.11528 | 34.072 b | 3.41239 b | 1.74827 b |

| | | |
|------------------|------------------------|-----------------|
| << 12-Mg-24 | 12-Mg-25 | 12-Mg-26 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



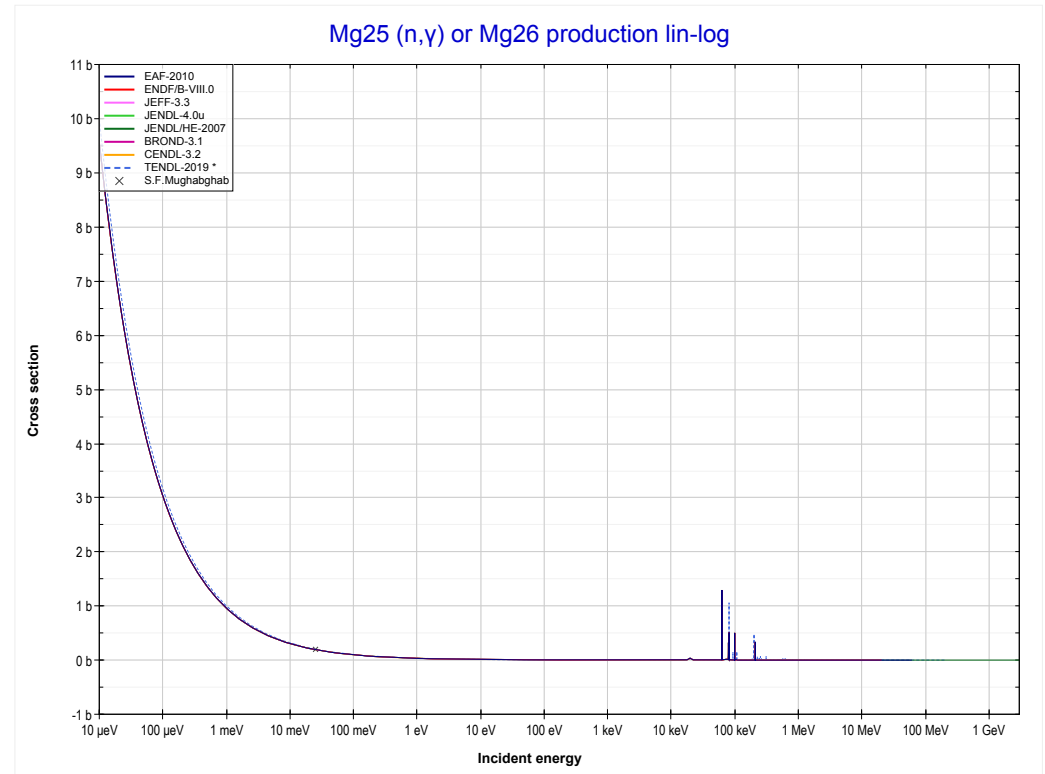
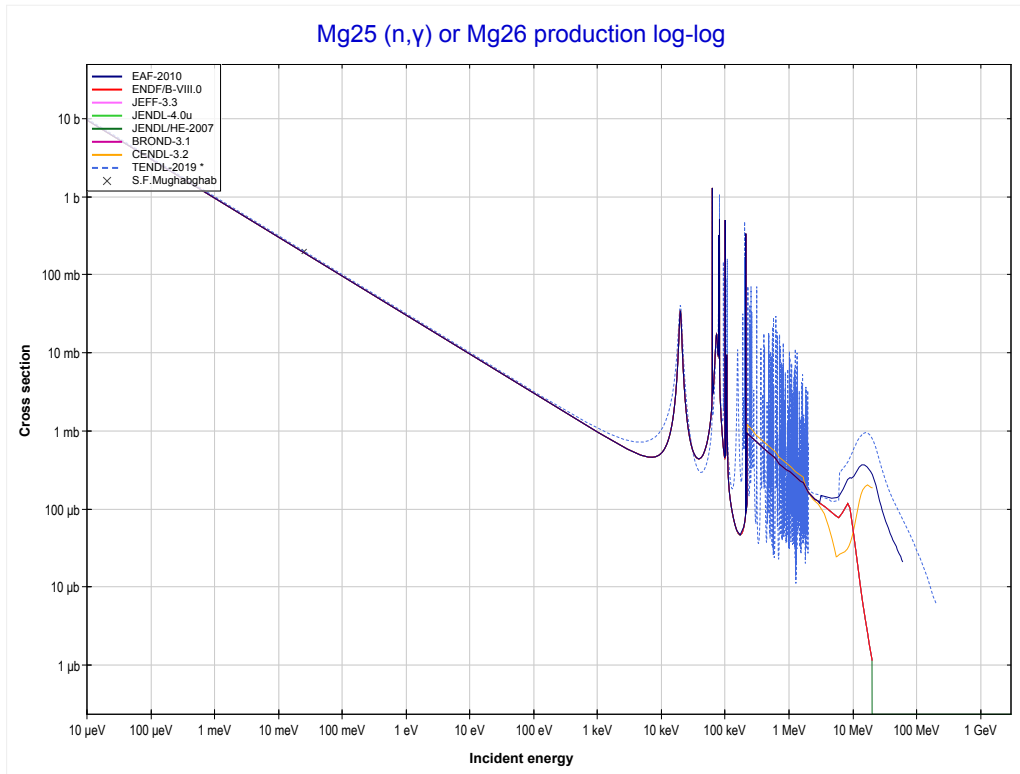
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.6471 b | 2.6471 b | 2.9864 b | 1.12818 | 41.1531 b | 2.73359 b | 0.683019 b |
| JEFF-3.3 | 2.6471 b | 2.6471 b | 2.9864 b | 1.12818 | 41.1531 b | 2.73359 b | 0.683019 b |
| JENDL-4.0u | 2.6471 b | 2.6471 b | 2.9864 b | 1.12818 | 41.1531 b | 2.73359 b | 0.683019 b |
| JENDL/HE-2007 | 2.6471 b | 2.6471 b | 2.9865 b | 1.12823 | 41.1595 b | 2.73436 b | 0.683019 b |
| BROND-3.1 | 2.6471 b | 2.6471 b | 2.9864 b | 1.12818 | 41.1531 b | 2.73359 b | 0.683019 b |
| CENDL-3.2 | 2.6471 b | 2.6471 b | 2.9865 b | 1.12823 | 41.1595 b | 2.59544 b | 0.824722 b |
| TENDL-2019 | 1.76993 b | 1.76993 b | 1.9969 b | 1.12823 | 33.964 b | 3.09891 b | 0.732939 b |

| | | |
|--------------------|--|-------------------------|
| | 12-Mg-25 | 12-Mg-26 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Na24 production) | MT102 (n, γ) >> |



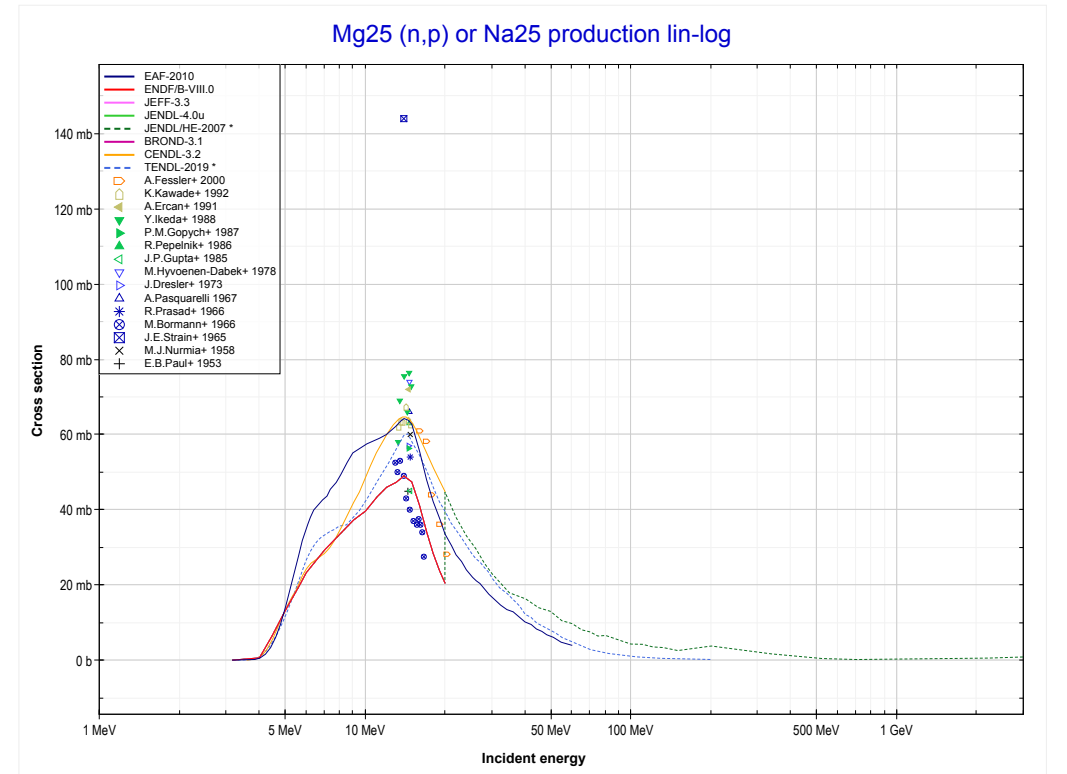
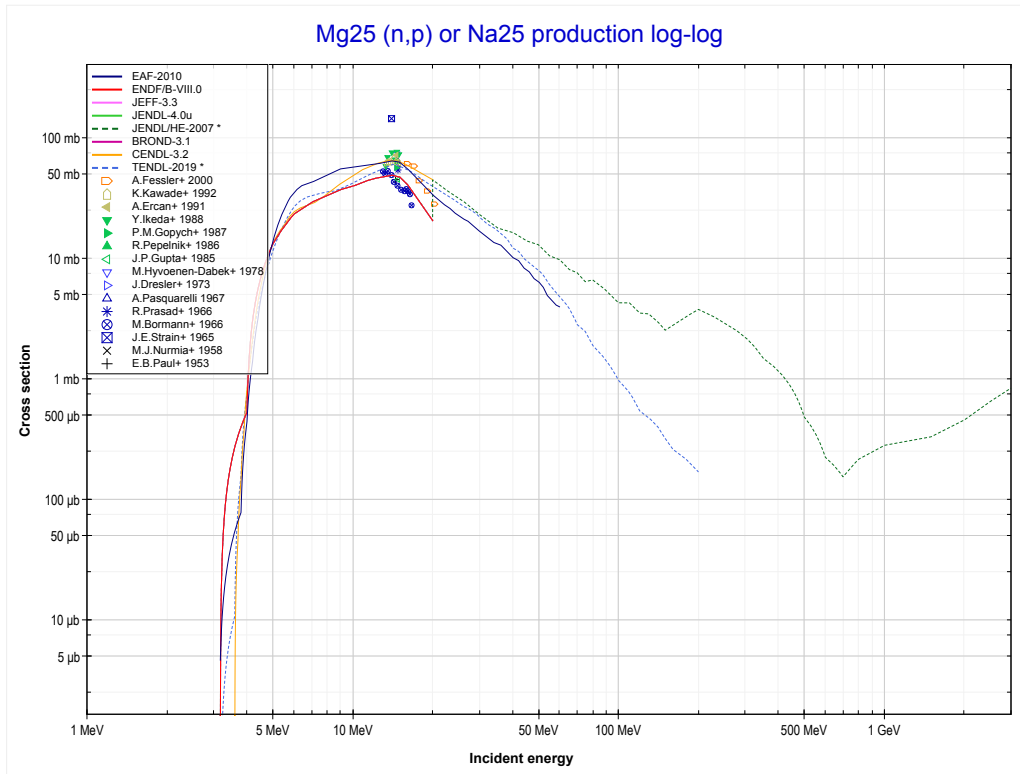
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17591E-6 b | 6.74801E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17591E-6 b | 6.74801E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.17591E-6 b | 6.74801E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17591E-6 b | 6.74801E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17591E-6 b | 6.74801E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.56856E-7 b | 3.14091E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69141E-6 b | 8.12258E-4 b |

| | | |
|-----------------|---|----------------|
| << 12-Mg-24 | 12-Mg-25 | 12-Mg-26 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mg26 production) | MT103 (n,p) >> |



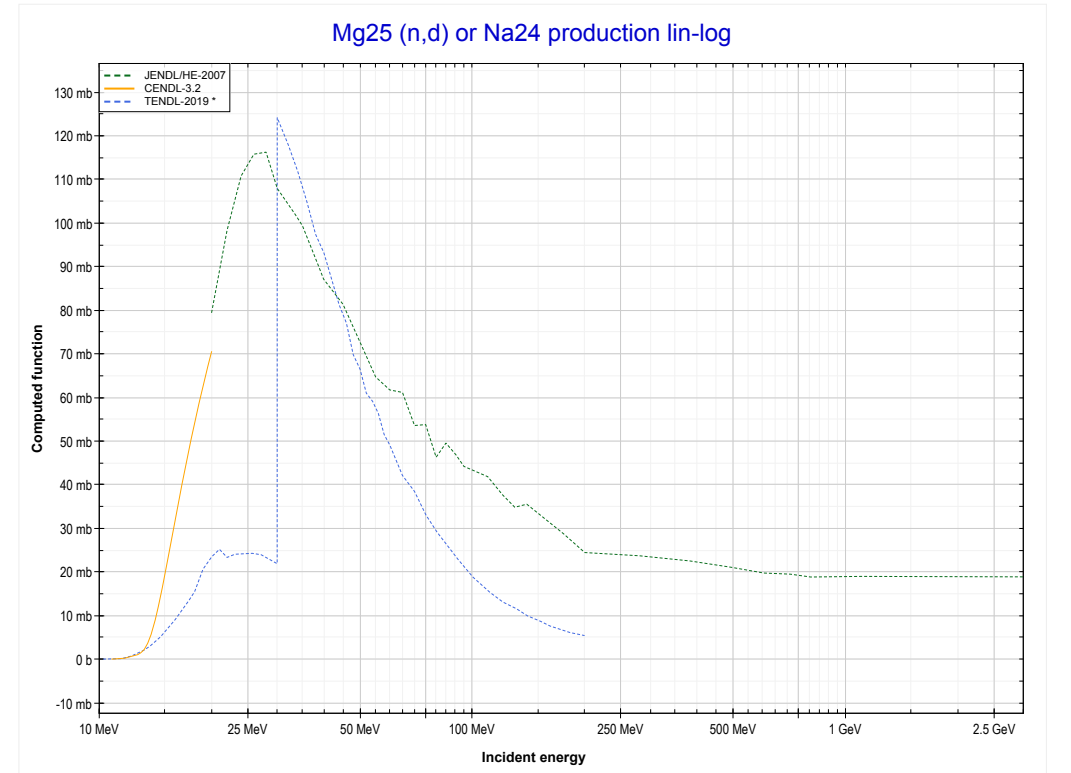
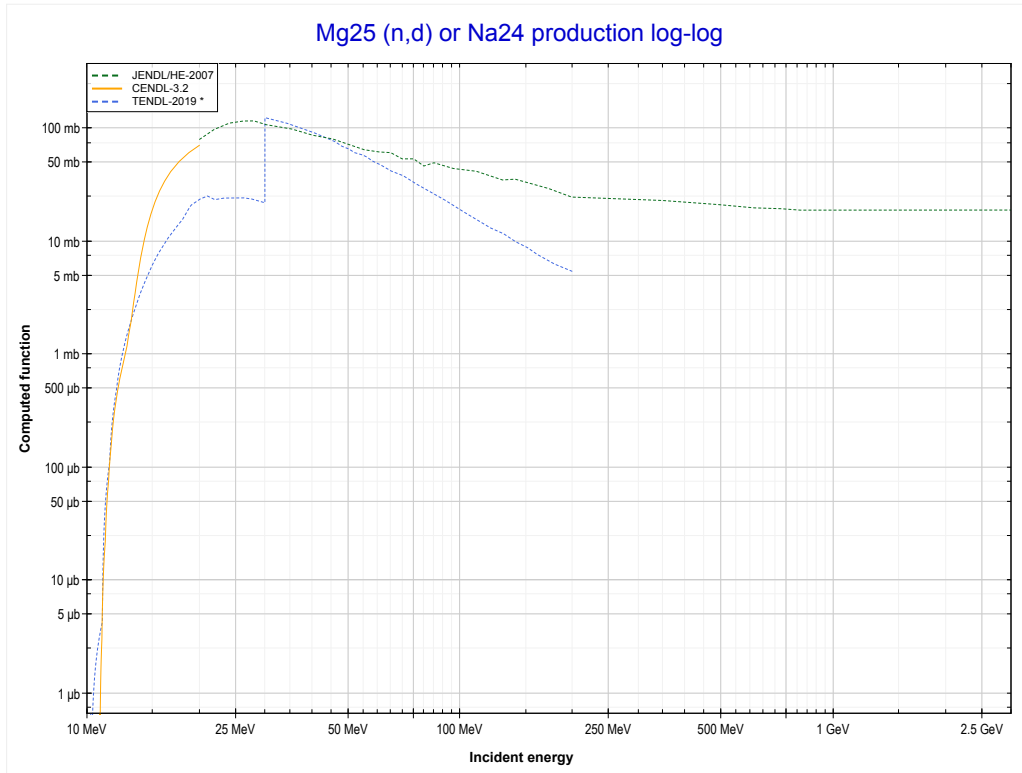
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.19065 b | 0.190523 b | 0.19092 b | 1.00215 | 0.097382 b | 3.68426E-4 b | 3.7013E-4 b |
| ENDF/B-VIII.0 | 0.190438 b | 0.190438 b | 0.1905 b | 1.00033 | 0.0973078 b | 3.5752E-4 b | 6.96134E-6 b |
| JEFF-3.3 | 0.190438 b | 0.190438 b | 0.1905 b | 1.00033 | 0.0973078 b | 3.5752E-4 b | 6.96134E-6 b |
| JENDL-4.0u | 0.190438 b | 0.190438 b | 0.1905 b | 1.00033 | 0.0973078 b | 3.5752E-4 b | 6.96134E-6 b |
| JENDL/HE-2007 | 0.19037 b | 0.19037 b | 0.19038 b | 1.00007 | 0.0971333 b | 3.57315E-4 b | 6.96134E-6 b |
| BROND-3.1 | 0.190438 b | 0.190438 b | 0.1905 b | 1.00033 | 0.0973078 b | 3.5752E-4 b | 6.96134E-6 b |
| CENDL-3.2 | 0.19037 b | 0.19037 b | 0.19038 b | 1.00007 | 0.0971333 b | 3.87242E-4 b | 1.70234E-4 b |
| TENDL-2019 | 0.198964 b | 0.198964 b | 0.19898 b | 1.00007 | 0.103476 b | 3.88562E-4 b | 9.12642E-4 b |

| | | |
|-------------------------|---|----------------|
| << 12-Mg-24 | 12-Mg-25 | 12-Mg-26 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Na25 production) | MT104 (n,d) >> |



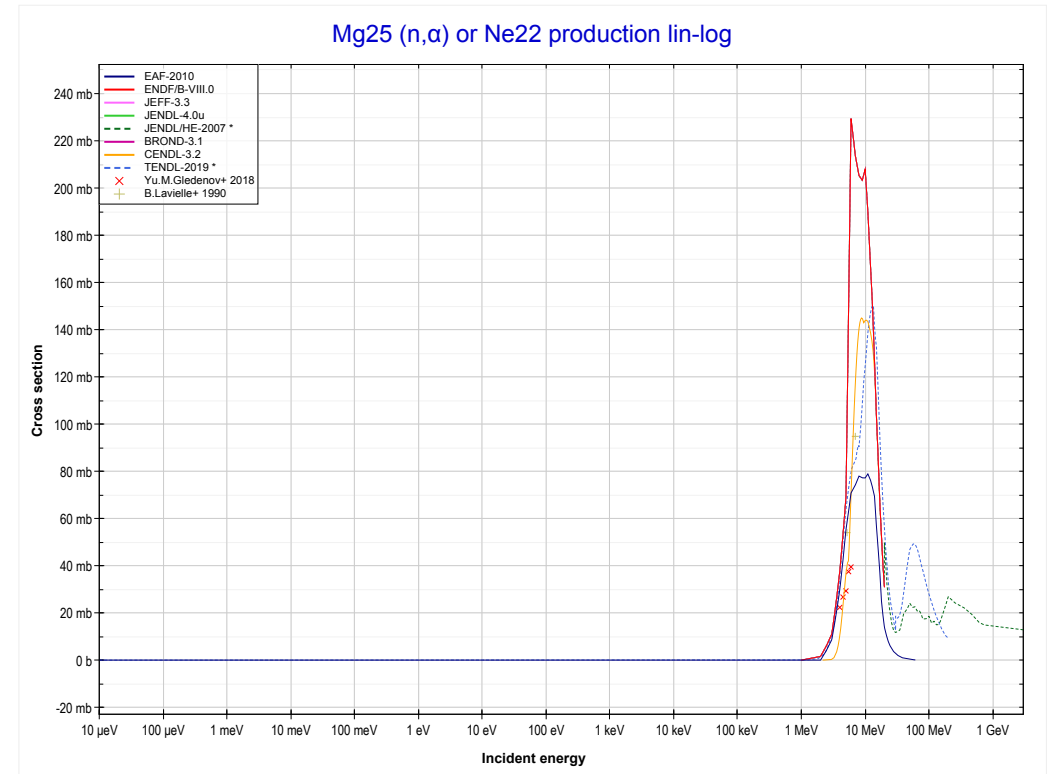
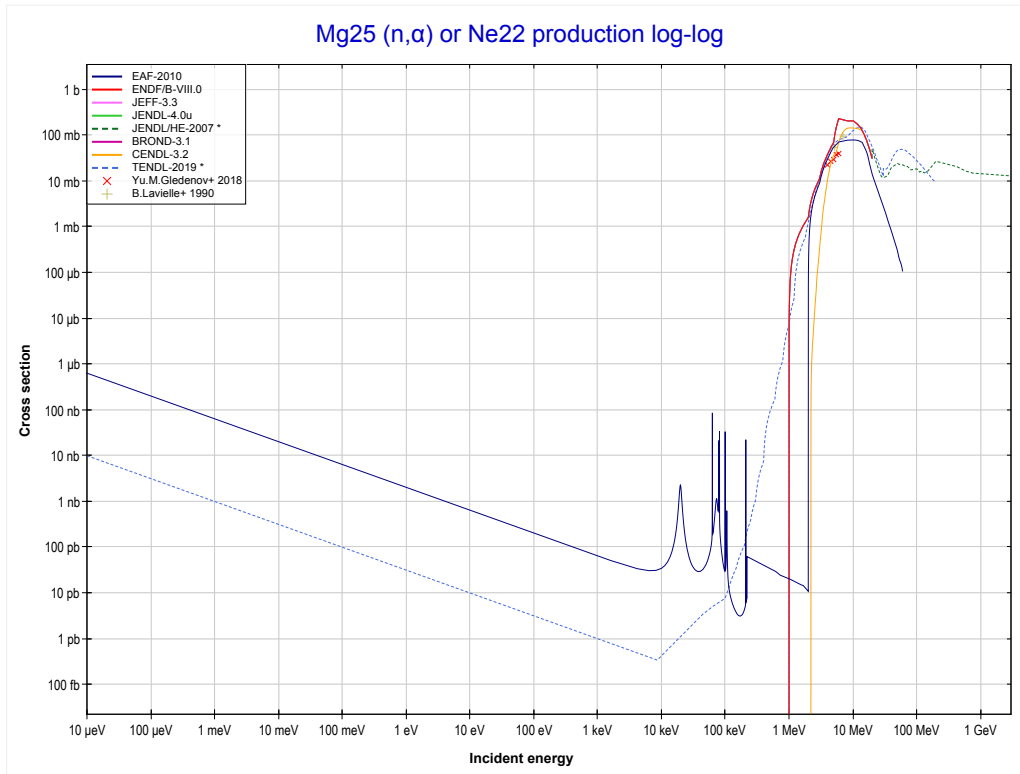
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233507 b | 0.0642655 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180304 b | 0.0489806 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180304 b | 0.0489806 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180304 b | 0.0489806 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180304 b | 0.0489806 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180304 b | 0.0489806 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00182225 b | 0.0647043 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00184373 b | 0.0598114 b |

| | | |
|----------------|---|-------------------------|
| << 8-O-17 | 12-Mg-25 | 12-Mg-26 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Na24 production) | MT107 (n, α) >> |



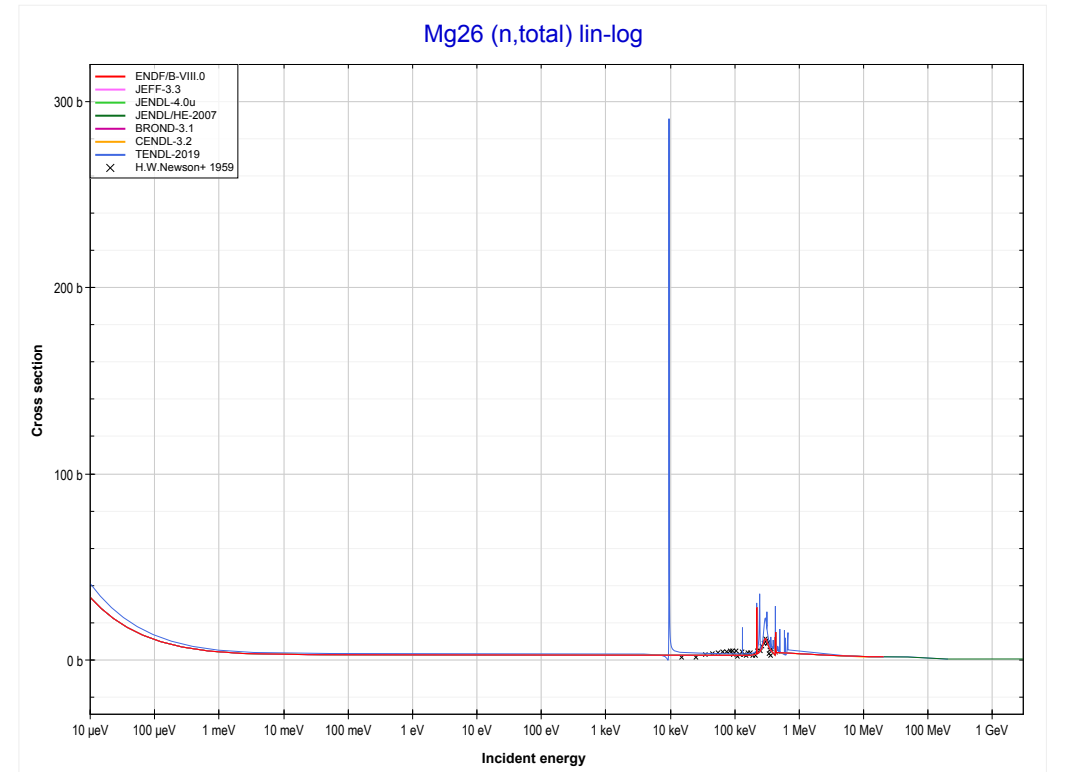
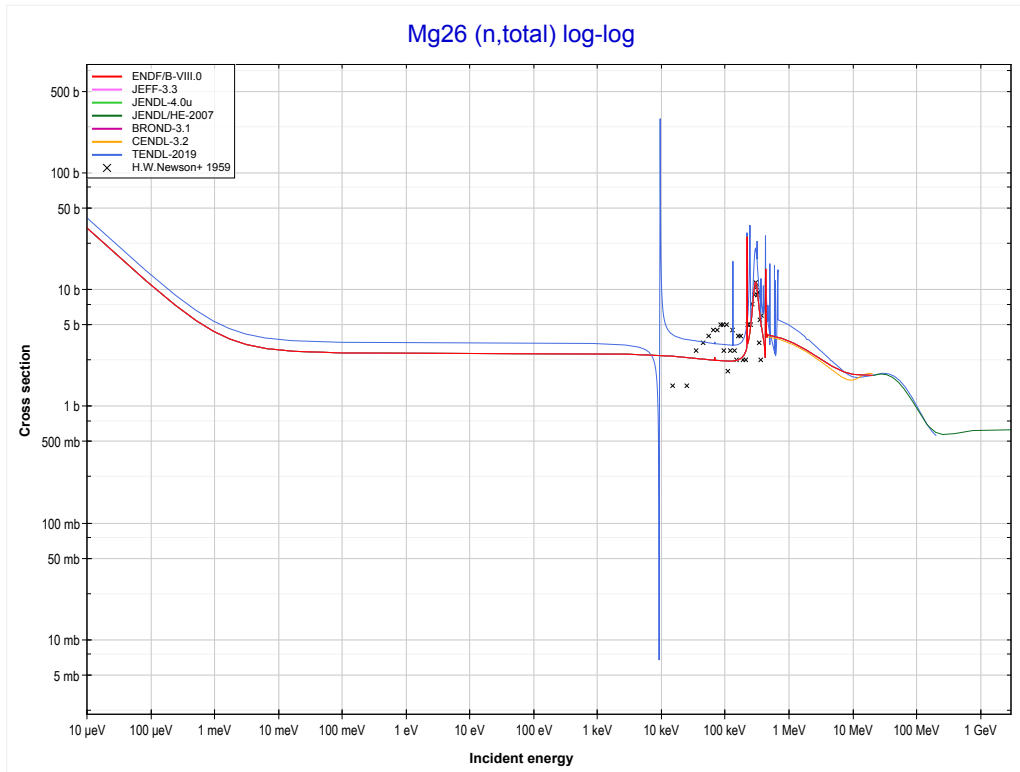
| Reaction | Q-Value |
|-----------------|---------------|
| Mg25(n,d)Na24 | -9839.28 keV |
| Mg25(n,n+p)Na24 | -12063.85 keV |

| | | |
|----------------|---|---------------------------|
| << 12-Mg-24 | 12-Mg-25 | 12-Mg-26 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ne22 production) | 12-Mg-26 MT1 (n,total) >> |



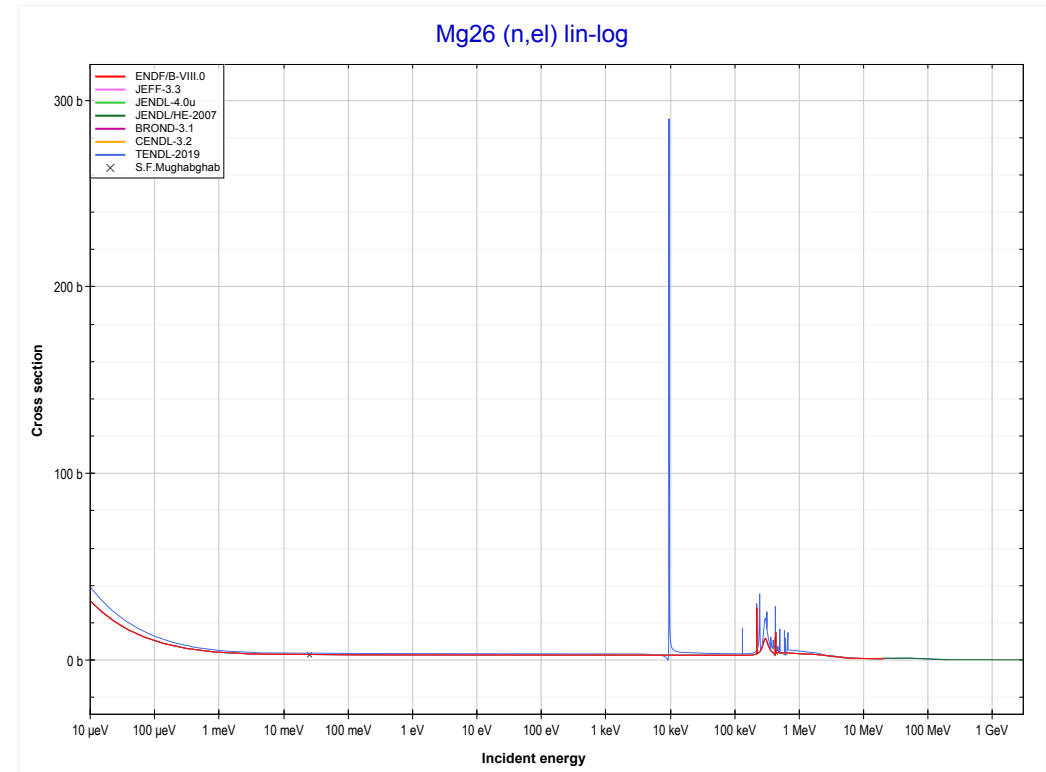
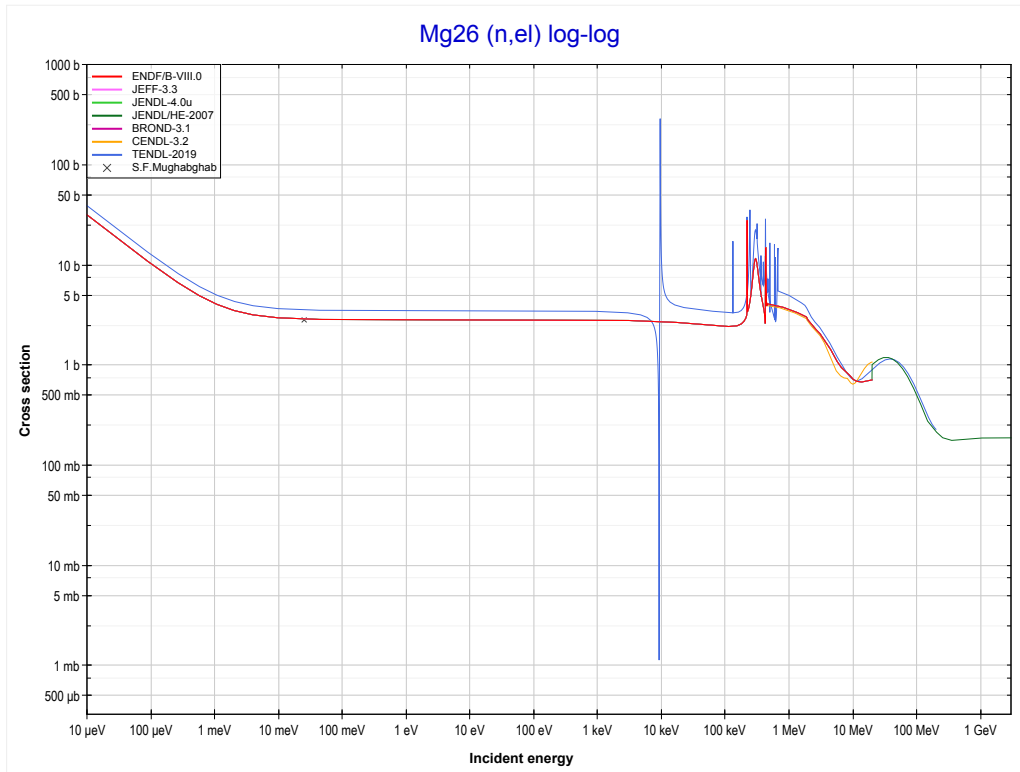
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.25E-8 b | 1.24909E-8 b | 1.2492E-8 b | 1.00007 | 6.37748E-9 b | 0.00895739 b | 0.06943 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171602 b | 0.12699 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171602 b | 0.12699 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171602 b | 0.12699 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171602 b | 0.12699 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171602 b | 0.12699 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00643807 b | 0.122409 b |
| TENDL-2019 | 1.9584E-10 b | 1.9584E-10 b | 1.9613E-10 b | 1.00149 | 9.4304E-11 b | 0.0105913 b | 0.141384 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-27 >> |
| << 12-Mg-25 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



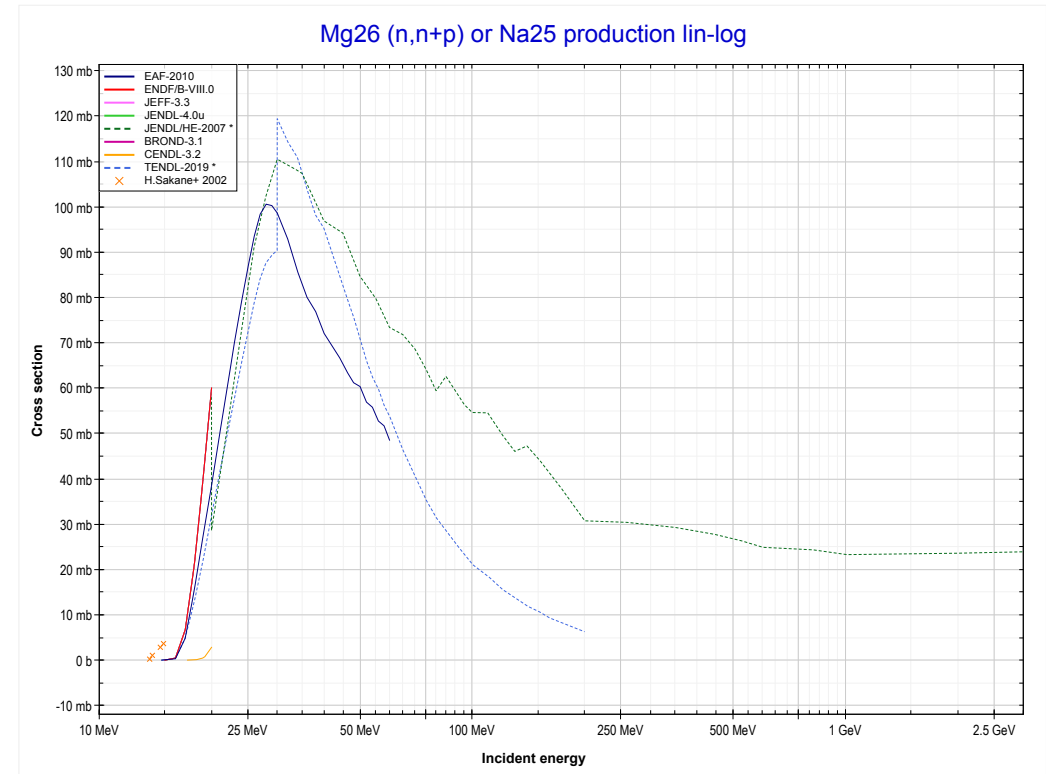
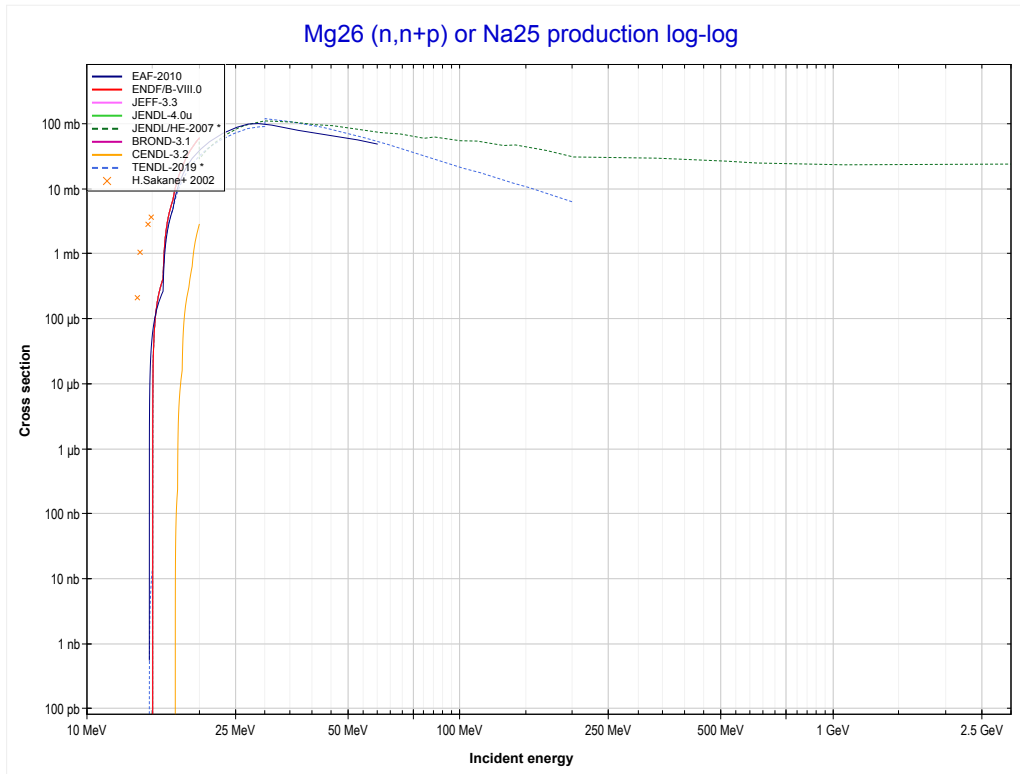
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.92358 b | 2.92358 b | 3.2935 b | 1.12652 | 33.8909 b | 3.27801 b | 1.84776 b |
| JEFF-3.3 | 2.92358 b | 2.92358 b | 3.2935 b | 1.12652 | 33.8909 b | 3.27801 b | 1.84776 b |
| JENDL-4.0u | 2.92358 b | 2.92358 b | 3.2935 b | 1.12652 | 33.8909 b | 3.27801 b | 1.84776 b |
| JENDL/HE-2007 | 2.92356 b | 2.92356 b | 3.2936 b | 1.12657 | 33.9087 b | 3.2777 b | 1.84776 b |
| BROND-3.1 | 2.92358 b | 2.92358 b | 3.2935 b | 1.12652 | 33.8909 b | 3.27801 b | 1.84776 b |
| CENDL-3.2 | 2.92356 b | 2.92356 b | 3.2936 b | 1.12657 | 33.9087 b | 3.17 b | 1.8356 b |
| TENDL-2019 | 3.59934 b | 3.59934 b | 4.0562 b | 1.12692 | 46.2608 b | 4.40672 b | 1.77256 b |

| | | |
|------------------|------------------------|-----------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-27 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



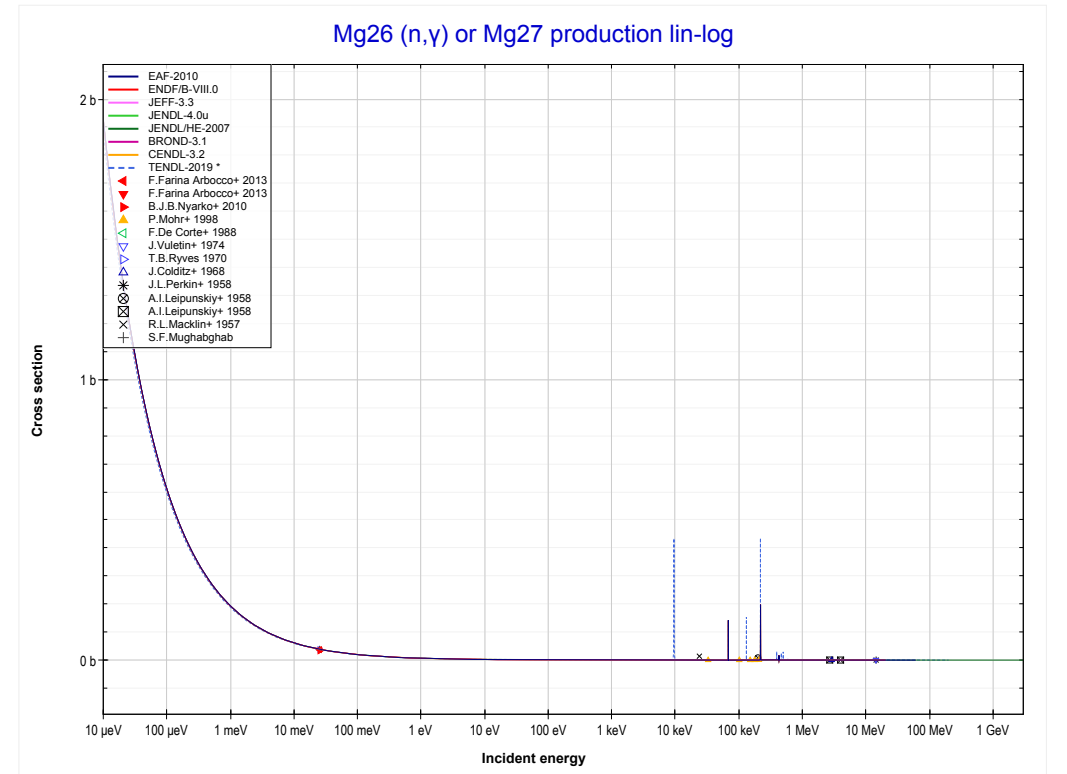
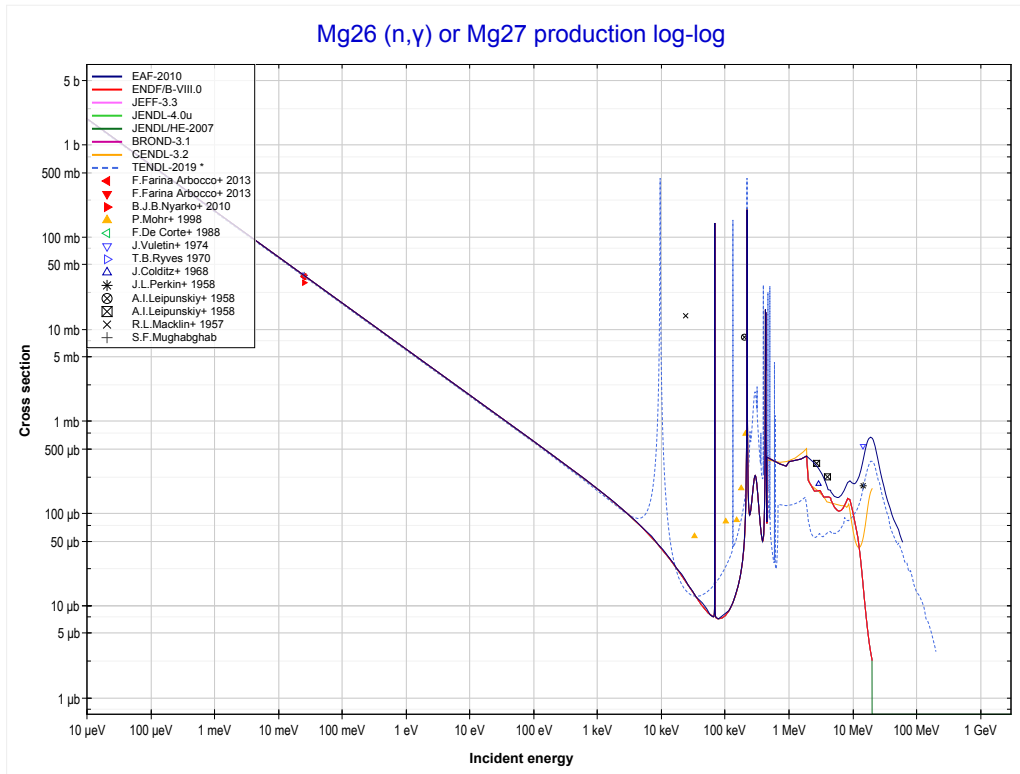
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.88525 b | 2.88525 b | 3.2551 b | 1.12819 | 33.8737 b | 3.04523 b | 0.678588 b |
| JEFF-3.3 | 2.88525 b | 2.88525 b | 3.2551 b | 1.12819 | 33.8737 b | 3.04523 b | 0.678588 b |
| JENDL-4.0u | 2.88525 b | 2.88525 b | 3.2551 b | 1.12819 | 33.8737 b | 3.04523 b | 0.678588 b |
| JENDL/HE-2007 | 2.88525 b | 2.88525 b | 3.2553 b | 1.12825 | 33.8894 b | 3.04403 b | 0.678588 b |
| BROND-3.1 | 2.88525 b | 2.88525 b | 3.2551 b | 1.12819 | 33.8737 b | 3.04523 b | 0.678588 b |
| CENDL-3.2 | 2.88525 b | 2.88525 b | 3.2553 b | 1.12825 | 33.8894 b | 2.93195 b | 0.85806 b |
| TENDL-2019 | 3.56195 b | 3.56195 b | 4.0188 b | 1.12825 | 46.2348 b | 4.11526 b | 0.733601 b |

| | | |
|--------------------|--|-------------------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-27 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Na25 production) | MT102 (n, γ) >> |



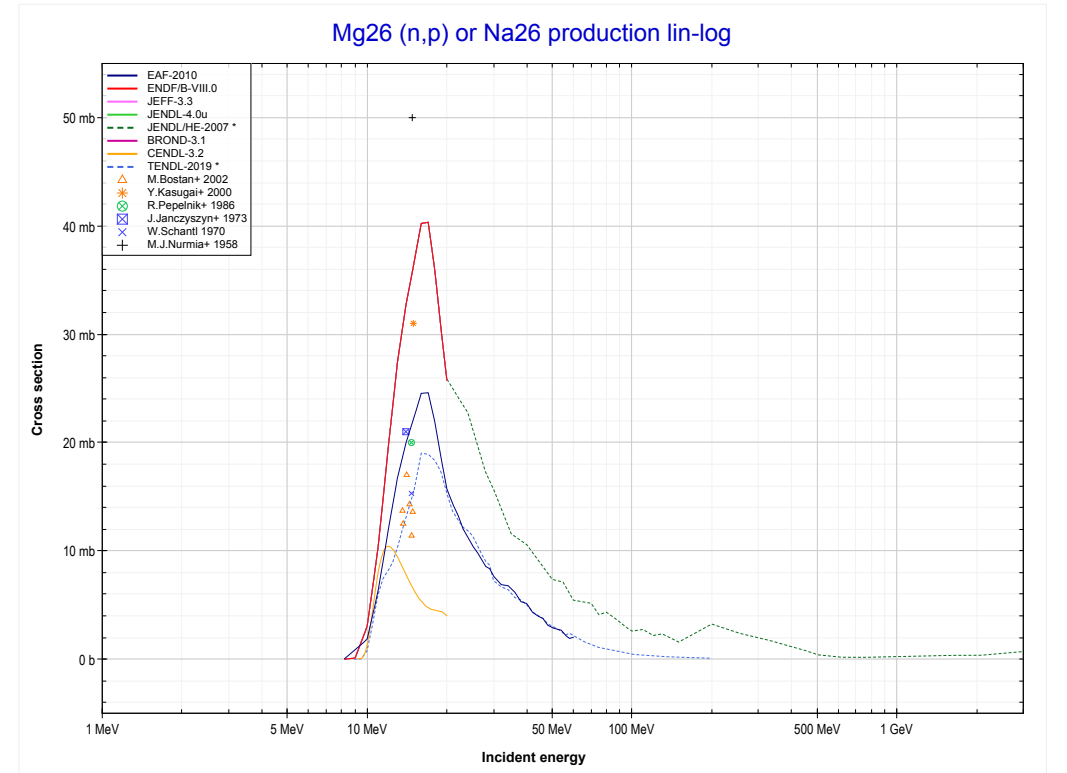
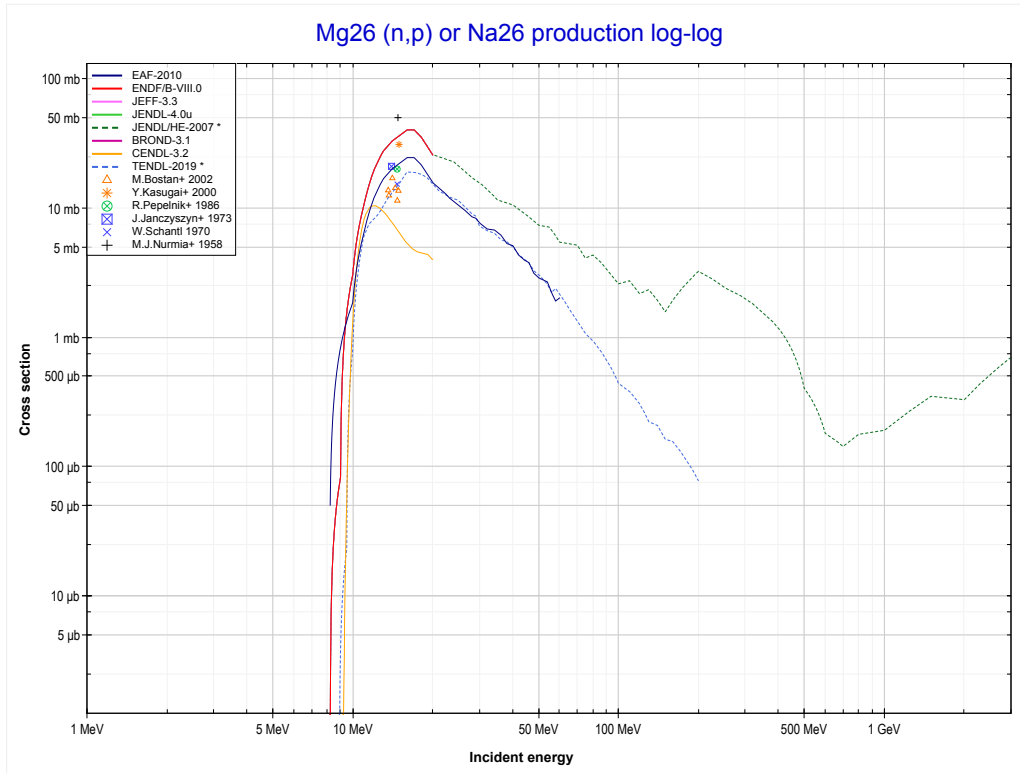
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36128E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36128E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.36128E-7 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36128E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36128E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.10821E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07773E-7 b | 0 b |

| | | |
|-----------------|---|----------------|
| << 12-Mg-25 | 12-Mg-26 | 12-Mg-27 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mg27 production) | MT103 (n,p) >> |



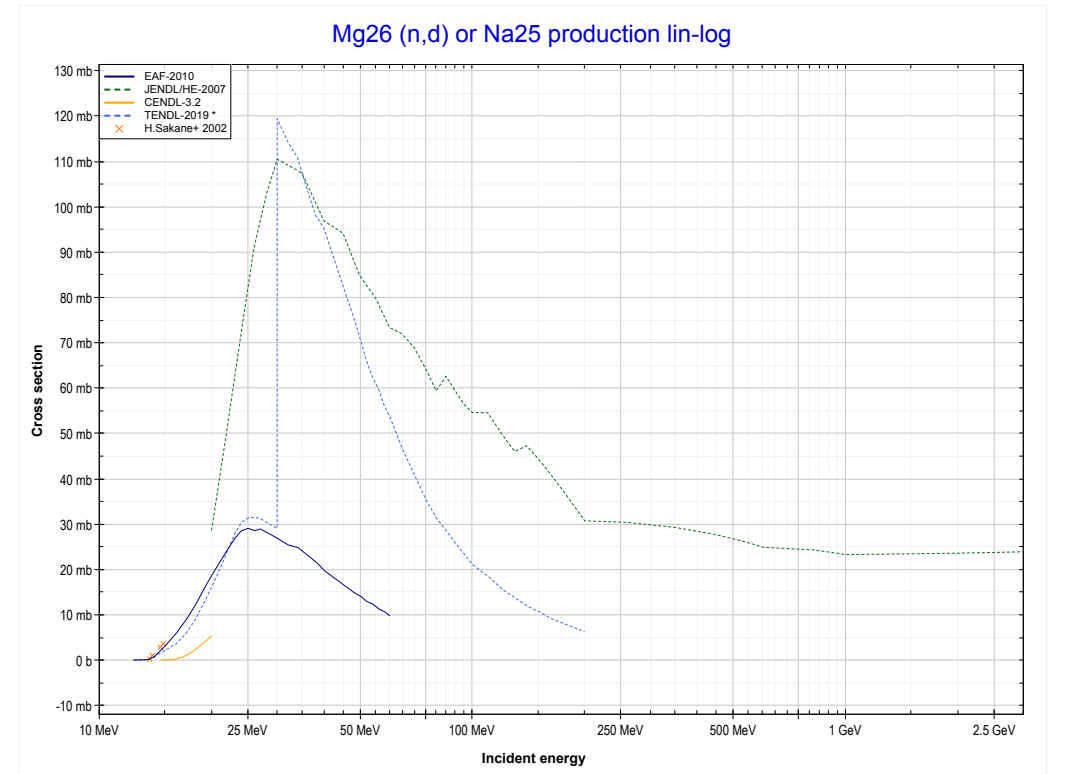
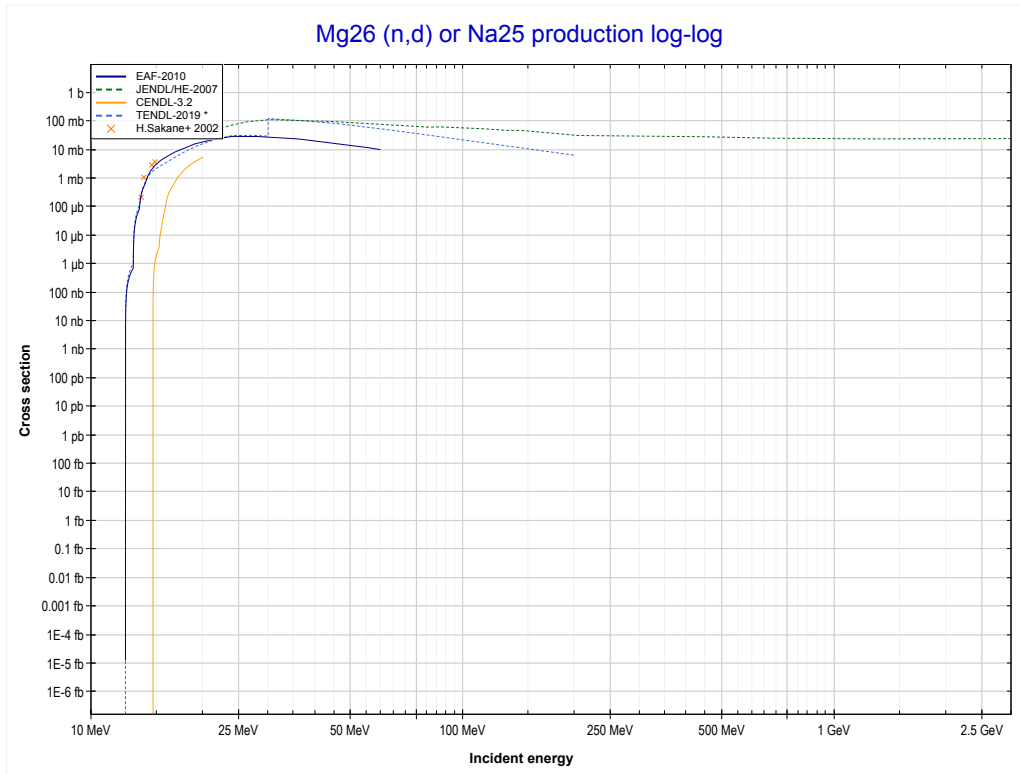
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.038374 b | 0.0383483 b | 0.038422 b | 1.00201 | 0.0172276 b | 3.68968E-4 b | 3.3989E-4 b |
| ENDF/B-VIII.0 | 0.0383225 b | 0.0383225 b | 0.038335 b | 1.00033 | 0.0172125 b | 3.219E-4 b | 2.1239E-5 b |
| JEFF-3.3 | 0.0383225 b | 0.0383225 b | 0.038335 b | 1.00033 | 0.0172125 b | 3.219E-4 b | 2.1239E-5 b |
| JENDL-4.0u | 0.0383225 b | 0.0383225 b | 0.038335 b | 1.00033 | 0.0172125 b | 3.219E-4 b | 2.1239E-5 b |
| JENDL/HE-2007 | 0.0383089 b | 0.0383089 b | 0.038311 b | 1.00007 | 0.0171792 b | 3.21789E-4 b | 2.1239E-5 b |
| BROND-3.1 | 0.0383225 b | 0.0383225 b | 0.038335 b | 1.00033 | 0.0172125 b | 3.219E-4 b | 2.1239E-5 b |
| CENDL-3.2 | 0.0383089 b | 0.0383089 b | 0.038311 b | 1.00007 | 0.0171792 b | 3.36062E-4 b | 4.9337E-5 b |
| TENDL-2019 | 0.0373892 b | 0.0373892 b | 0.037392 b | 1.00007 | 0.0224127 b | 1.90125E-4 b | 1.67316E-4 b |

| | | |
|-------------------------|---|----------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-26 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Na26 production) | MT104 (n,d) >> |



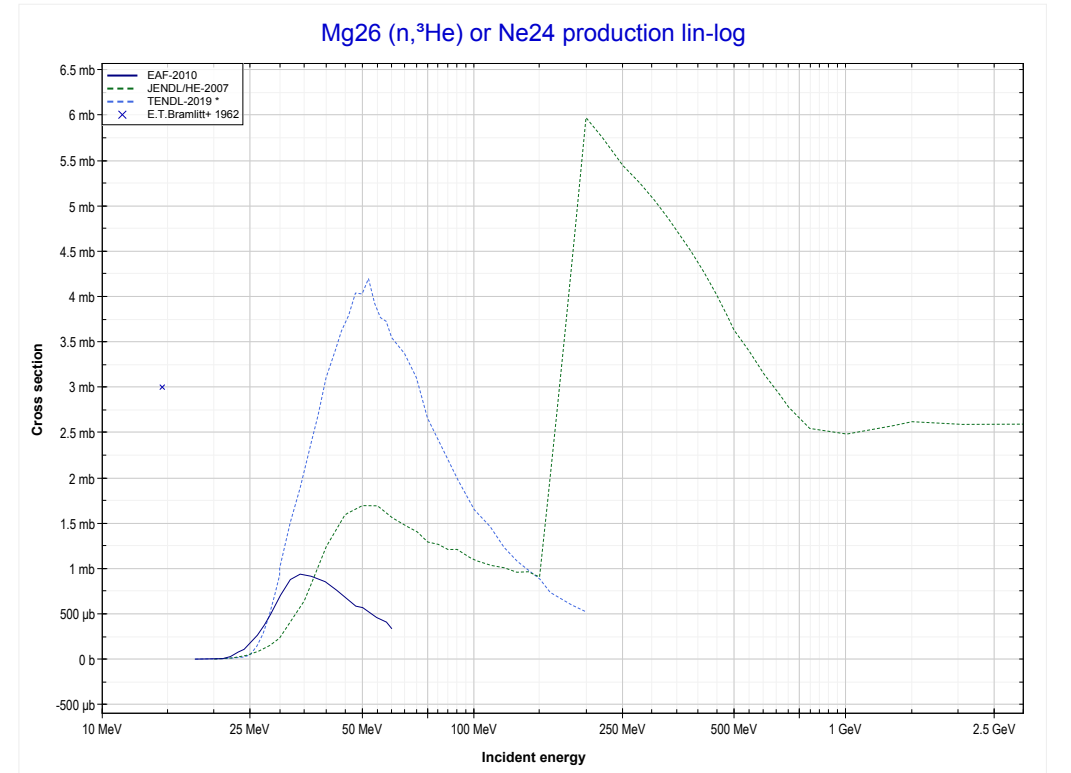
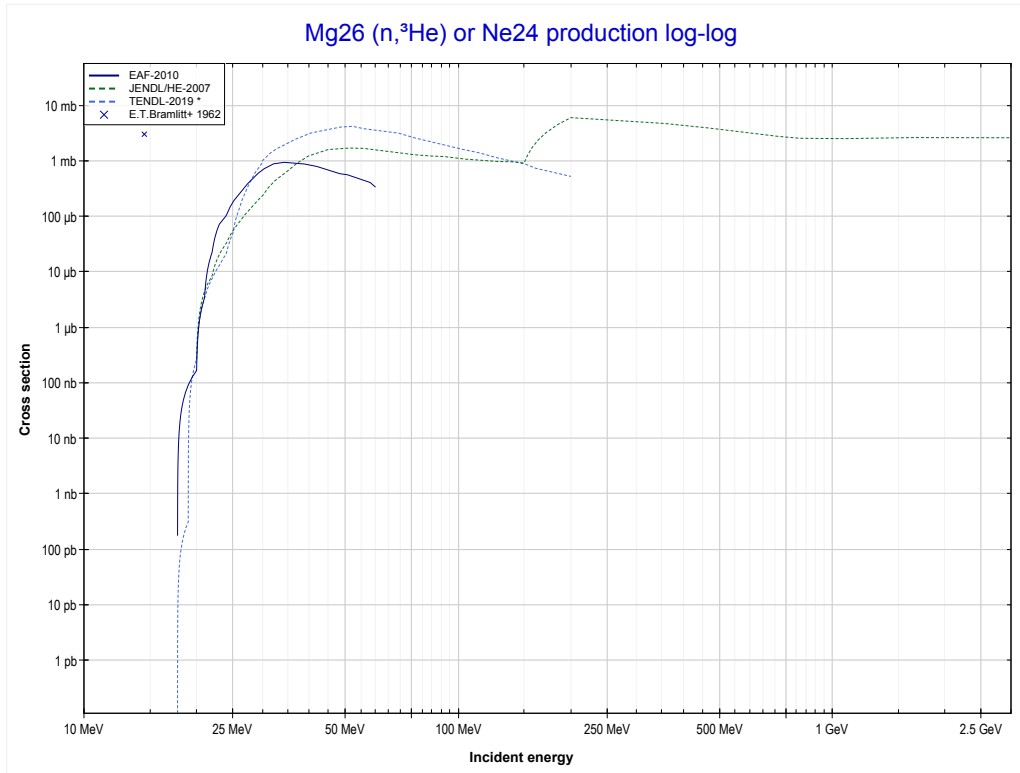
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.9991E-5 b | 0.0199192 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.9822E-5 b | 0.0326544 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.9822E-5 b | 0.0326544 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.9822E-5 b | 0.0326544 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98219E-5 b | 0.0326544 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.9822E-5 b | 0.0326544 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36129E-5 b | 0.007846 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24221E-5 b | 0.0129865 b |

| | | |
|----------------|---|-------------------------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-27 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Na25 production) | MT106 (n, ³ He) >> |



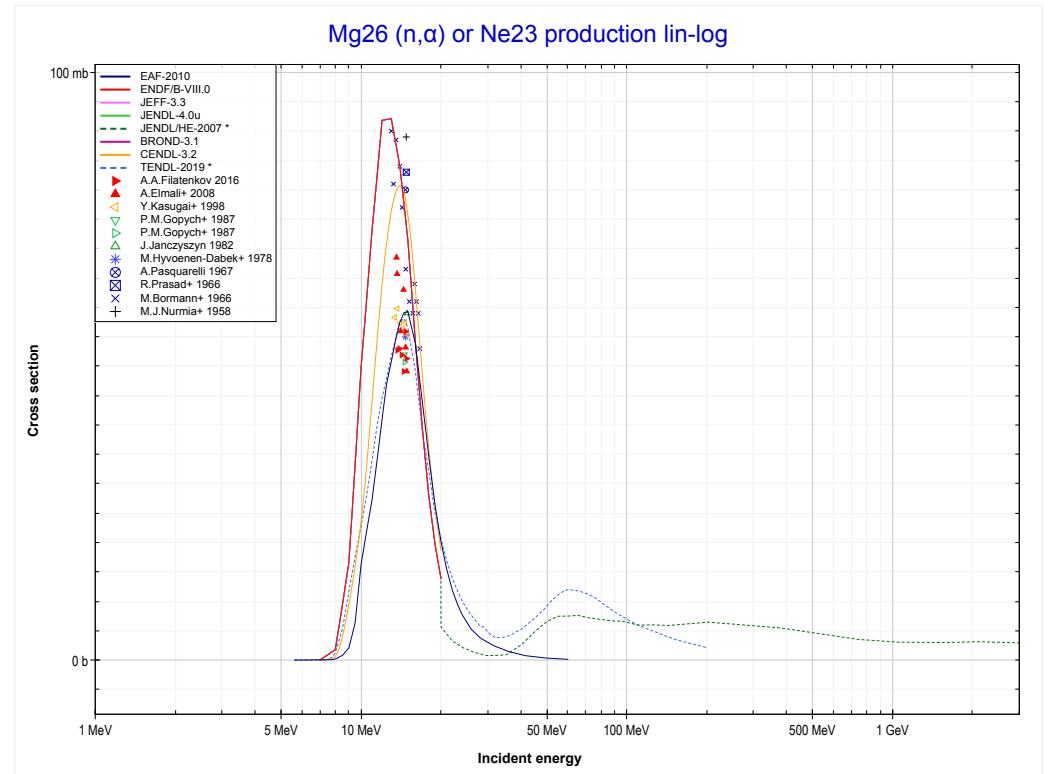
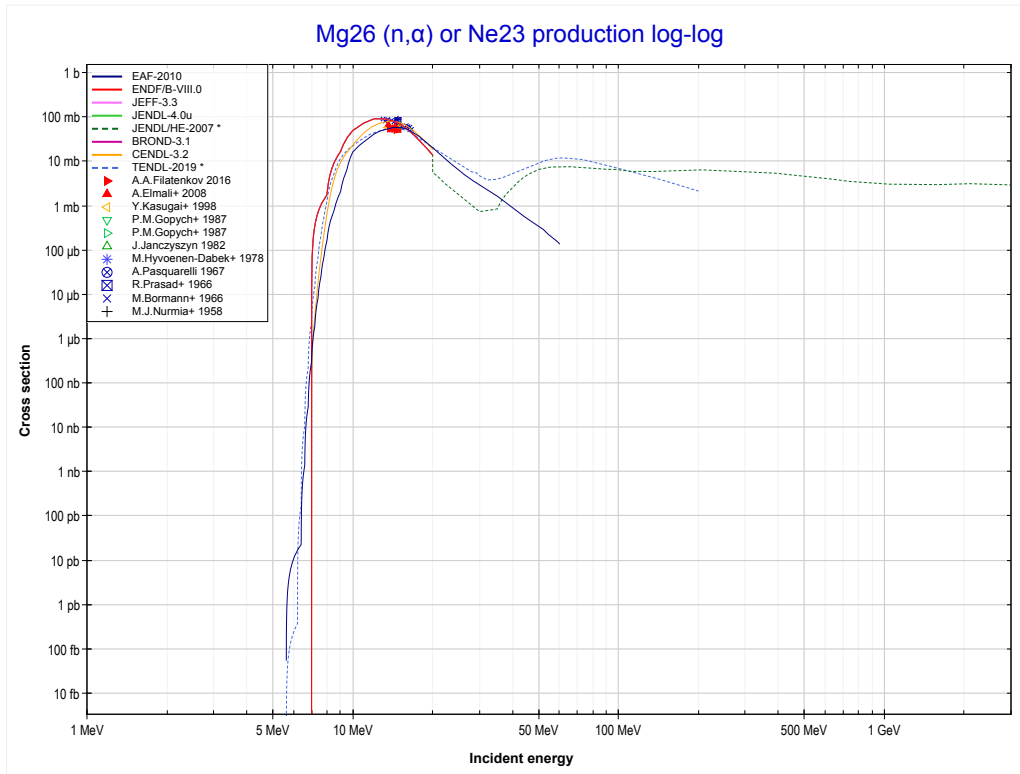
| Reaction | Q-Value |
|-----------------|---------------|
| Mg26(n,d)Na25 | -11921.15 keV |
| Mg26(n,n+p)Na25 | -14145.71 keV |

| | | |
|----------------|--|----------------|
| << 8-O-16 | 12-Mg-26 | 13-Al-27 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ne24 production) | MT107 (n,α) >> |



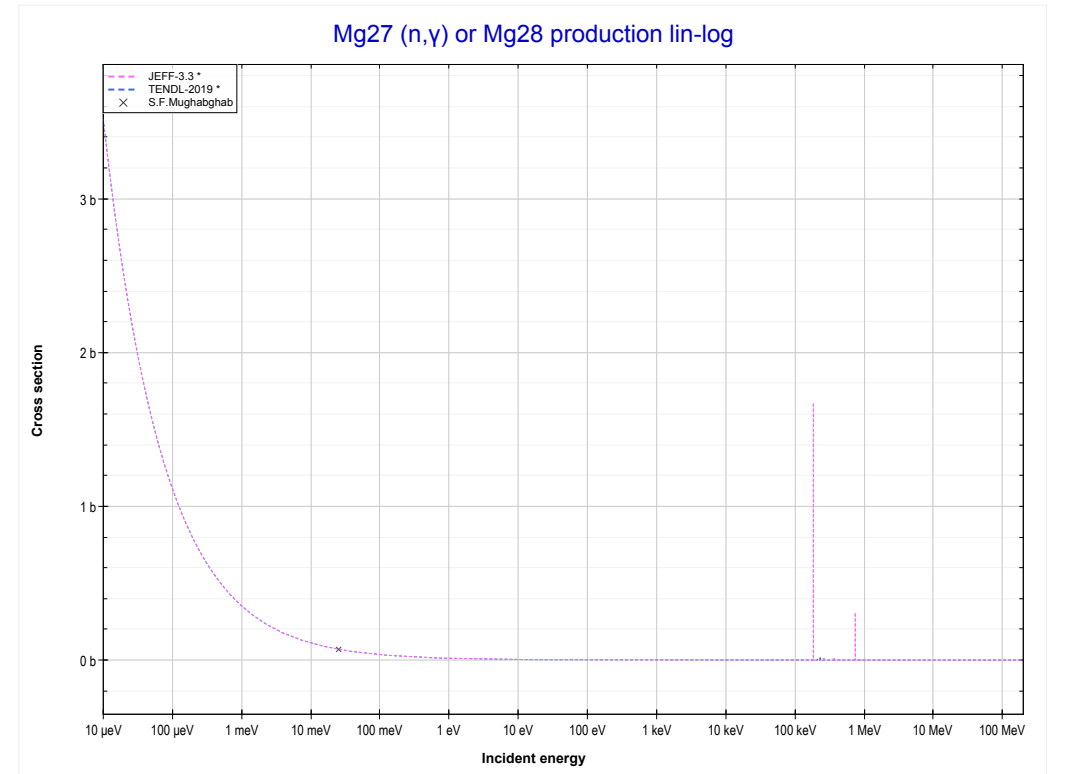
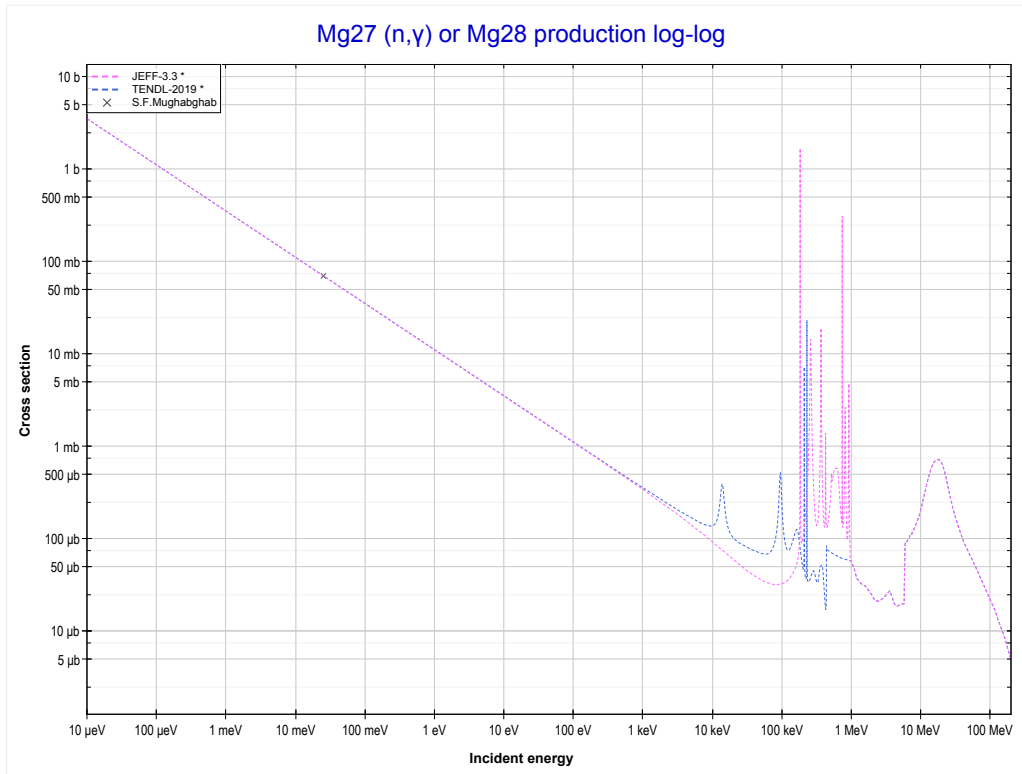
| Reaction | Q-Value |
|------------------|---------------|
| Mg26(n,He3)Ne24 | -17122.84 keV |
| Mg26(n,p+d)Ne24 | -22616.32 keV |
| Mg26(n,n+2p)Ne24 | -24840.88 keV |

| | | |
|-------------------------------|---|----------------------------------|
| << 12-Mg-25 | 12-Mg-26 | 13-Al-26 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ne23 production) | 12-Mg-27 MT102 (n, γ) >> |



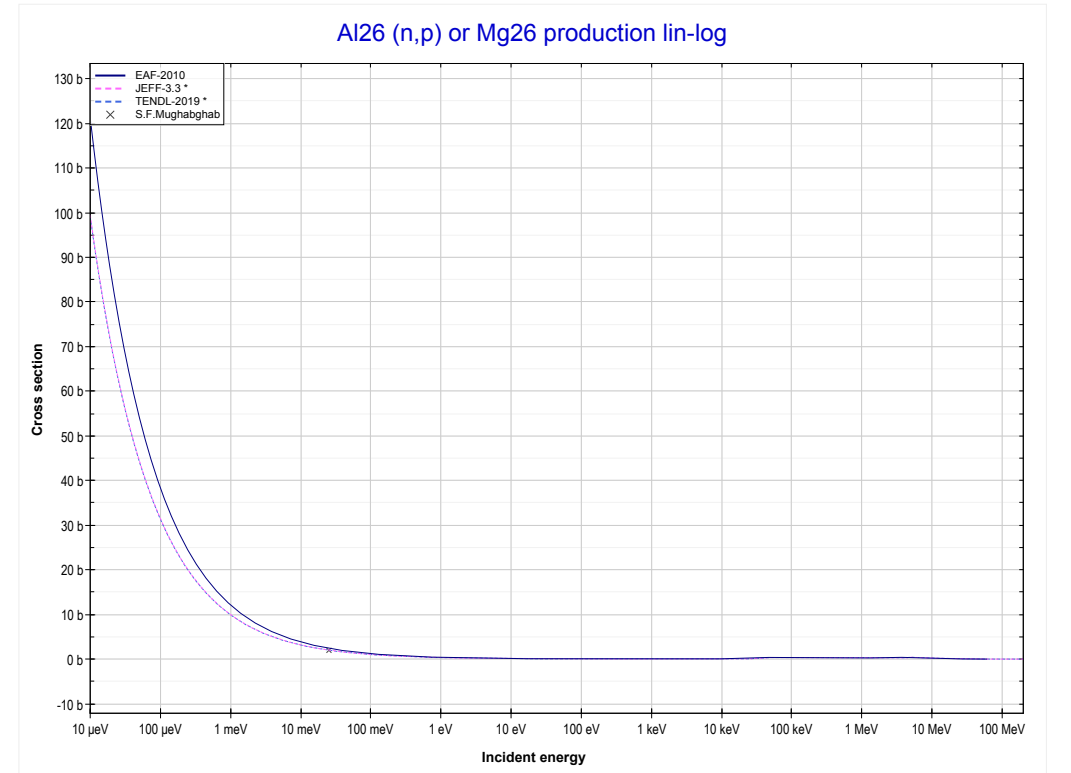
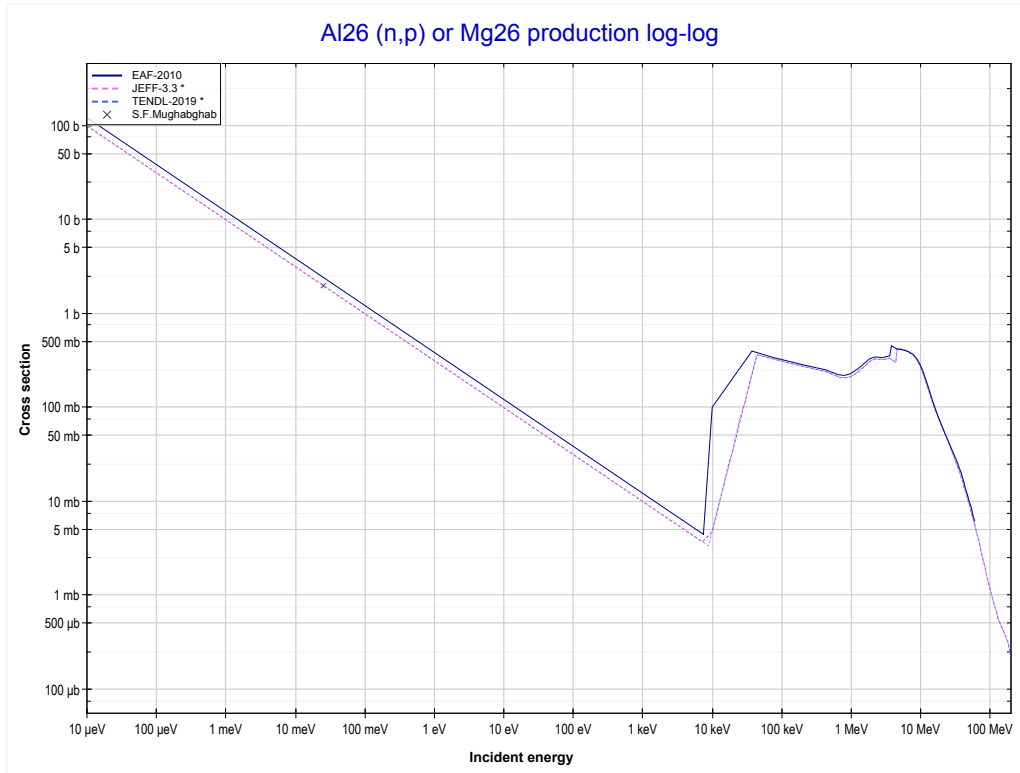
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.92283E-5 b | 0.0575 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42441E-4 b | 0.0840342 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42441E-4 b | 0.0840342 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.42441E-4 b | 0.0840342 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42441E-4 b | 0.0840342 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42441E-4 b | 0.0840342 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3938E-4 b | 0.080755 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26941E-4 b | 0.0575263 b |

| | | |
|----------------------------------|---|-------------------------|
| << 12-Mg-26 | 12-Mg-27 | 13-Al-27 >> |
| << 12-Mg-26 MT107 (n, α) | MT102 (n,γ) or MT5 (Mg28 production) | 13-Al-26 MT103 (n,p) >> |



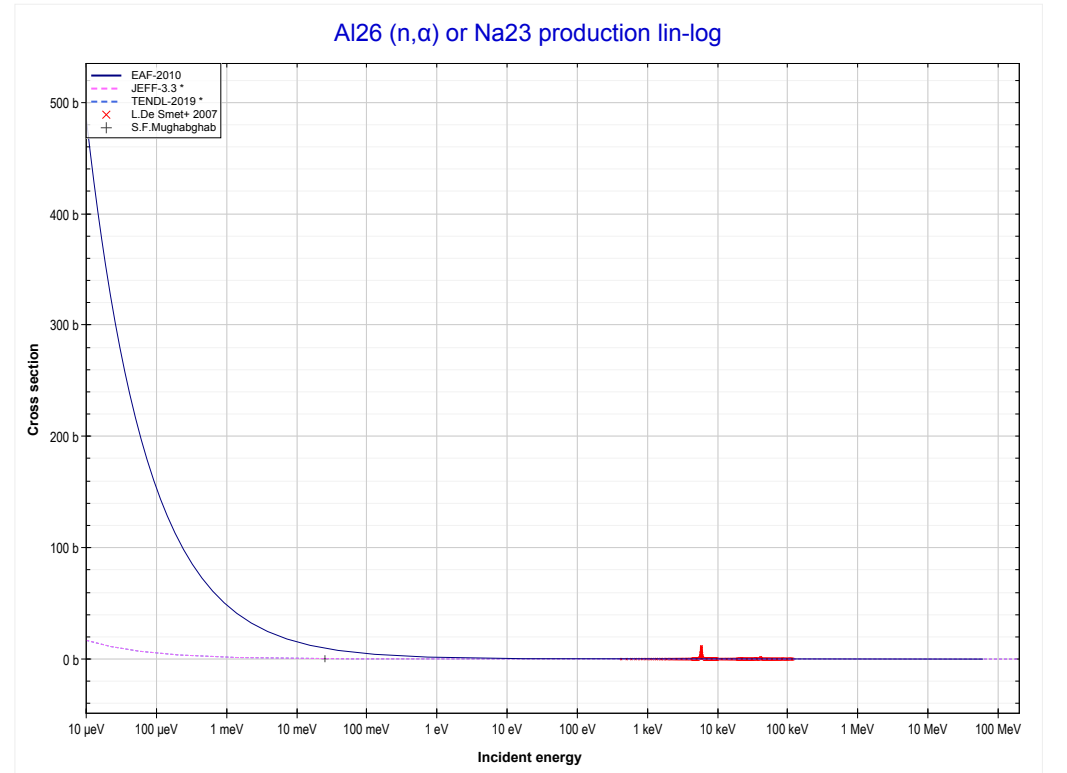
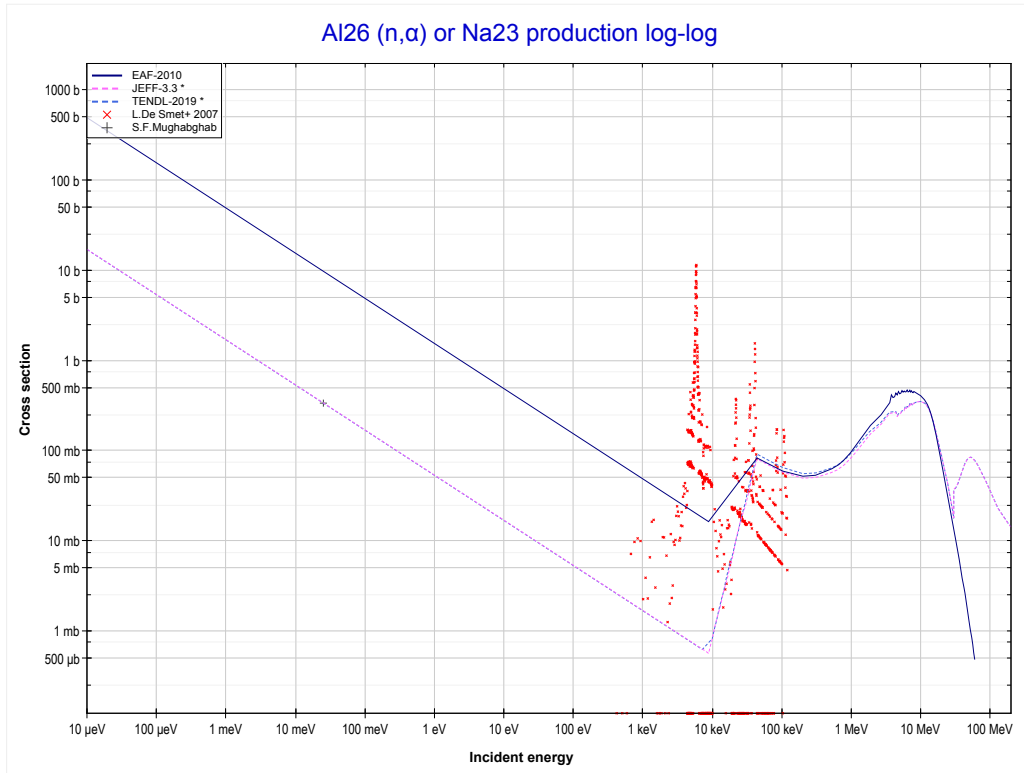
| | |
|------------------------|-------------|
| Reaction | Q-Value |
| Mg27(n, γ)Mg28 | 8503.51 keV |

| | | |
|----------------------------------|---|-------------------------|
| << 12-Mg-26 | 13-Al-26 | 13-Al-27 >> |
| << 12-Mg-27 MT102 (n, γ) | MT103 (n,p) or MT5 (Mg26 production) | MT107 (n, α) >> |



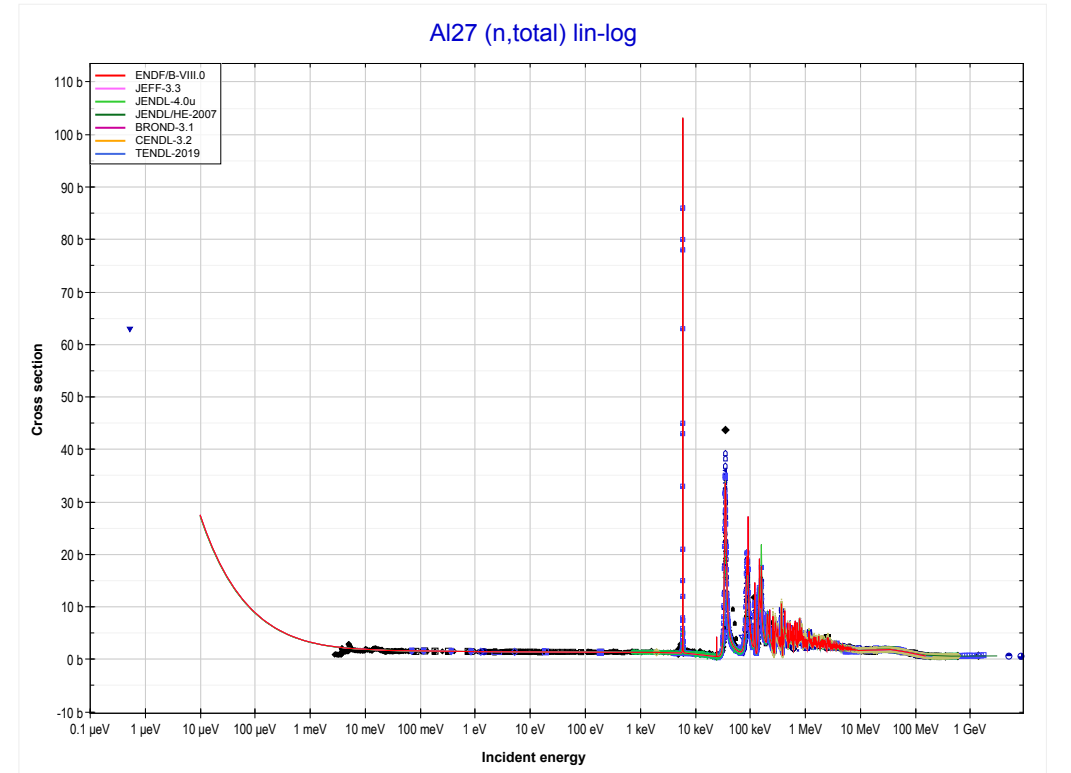
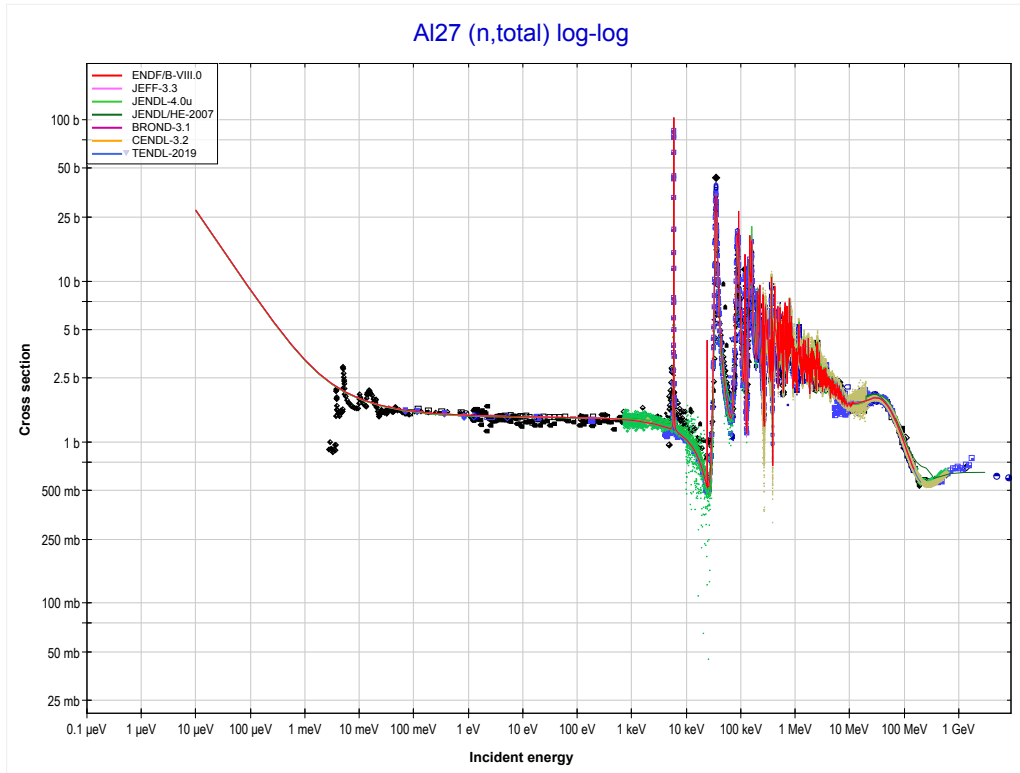
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2.41113 b | 2.40933 b | 2.4094 b | 1.00004 | 1.72096 b | 0.304663 b | 0.134829 b |
| JEFF-3.3 | 1.97916 b | 1.97916 b | 1.9785 b | 0.99968 | 1.28415 b | 0.283415 b | 0.128888 b |
| TENDL-2019 | 1.97014 b | 1.97014 b | 1.9726 b | 1.00127 | 1.28012 b | 0.282658 b | 0.128543 b |

| | | |
|----------------|---|---------------------------|
| << 12-Mg-26 | 13-Al-26 | 13-Al-27 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Na23 production) | 13-Al-27 MT1 (n,total) >> |



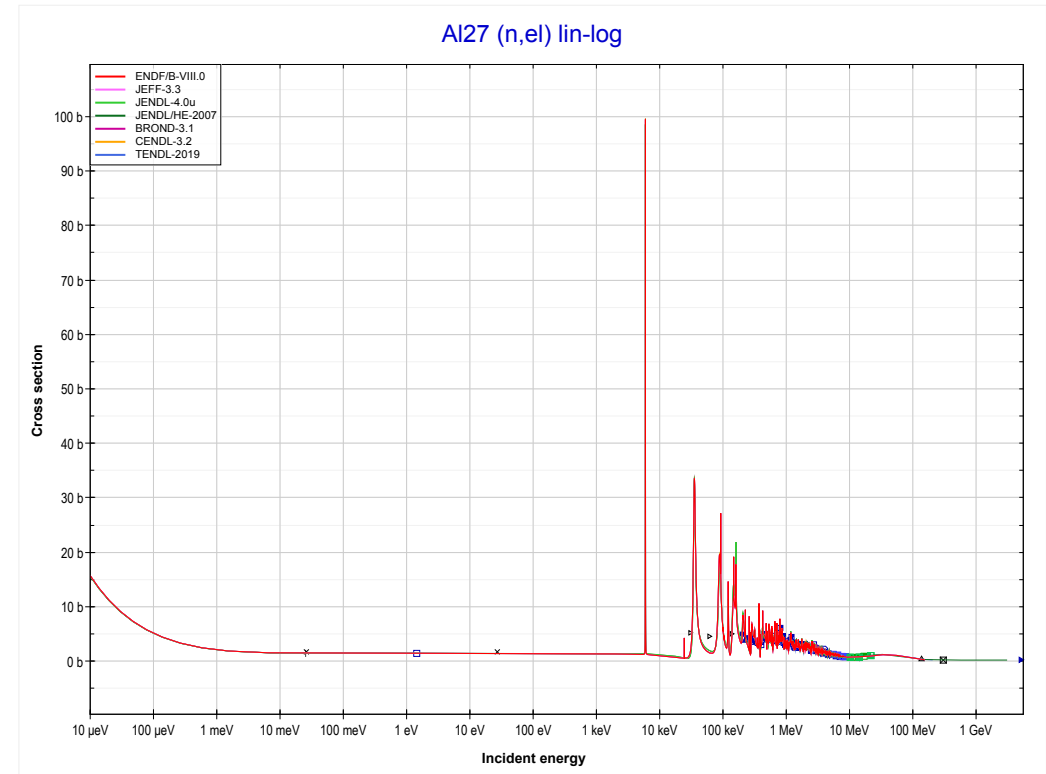
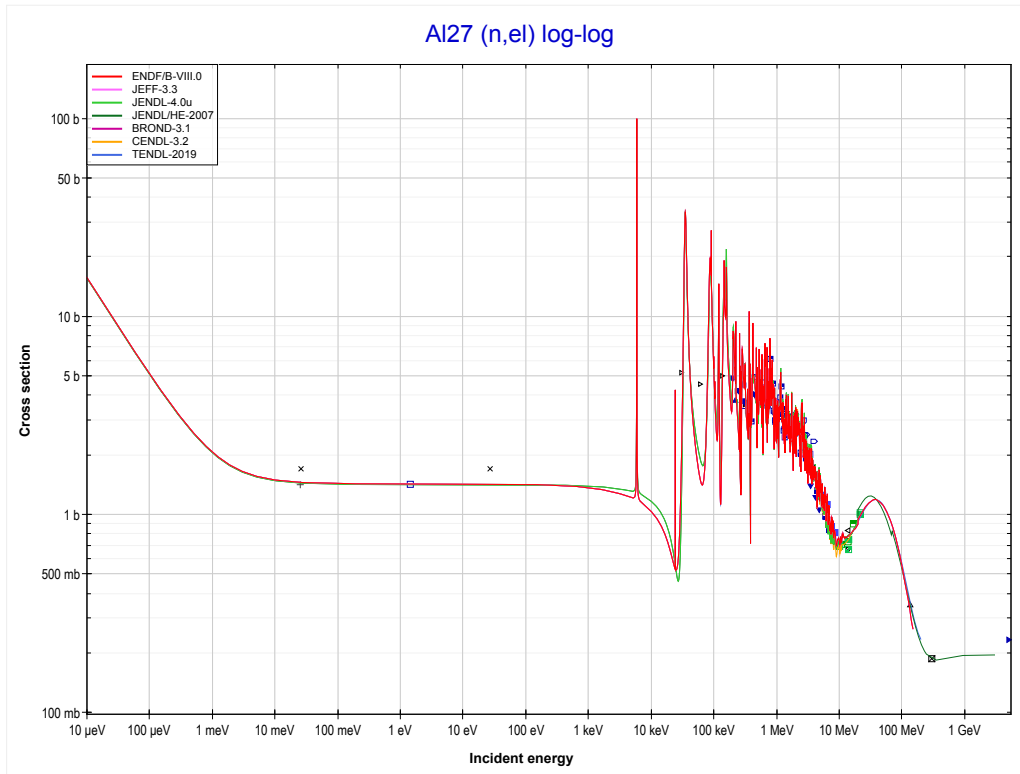
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 9.66772 b | 9.66047 b | 9.6608 b | 1.00004 | 4.45139 b | 0.188512 b | 0.259433 b |
| JEFF-3.3 | 0.336577 b | 0.336577 b | 0.33647 b | 0.99968 | 0.233374 b | 0.143423 b | 0.255848 b |
| TENDL-2019 | 0.335043 b | 0.335043 b | 0.33547 b | 1.00127 | 0.242647 b | 0.152766 b | 0.257107 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 12-Mg-26 | 13-Al-27 | 14-Si-28 >> |
| << 13-Al-26 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



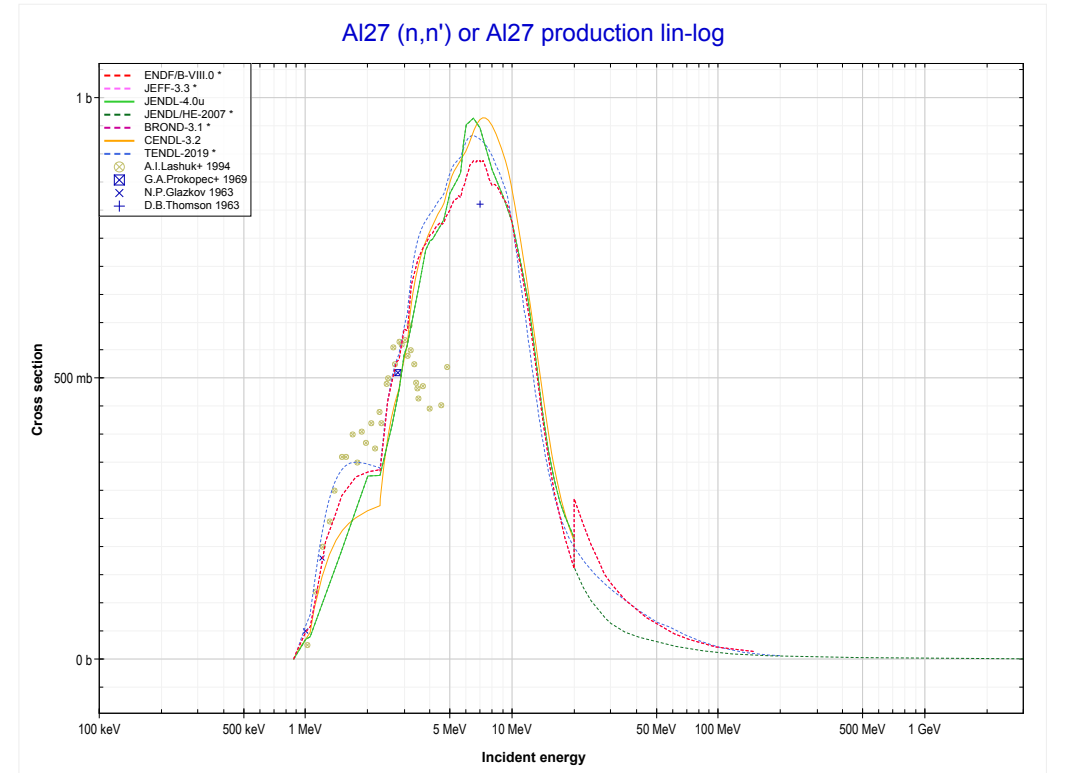
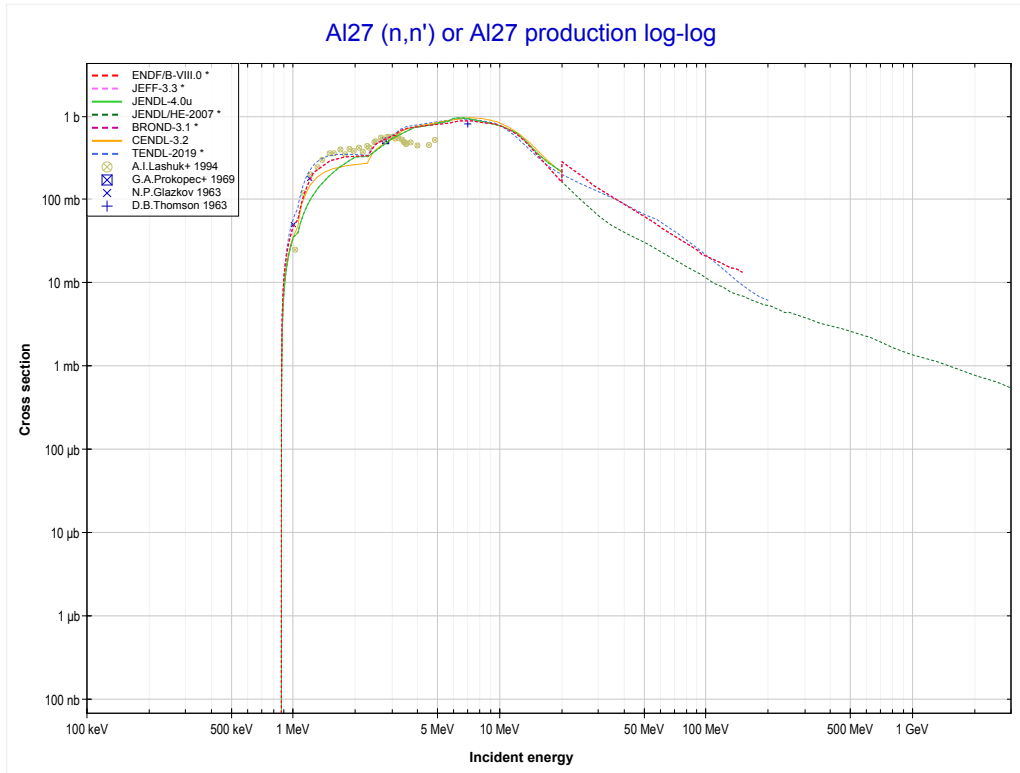
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.68524 b | 1.68524 b | 1.8714 b | 1.11048 | 23.7864 b | 3.24043 b | 1.744 b |
| JEFF-3.3 | 1.68524 b | 1.68524 b | 1.8714 b | 1.11048 | 23.7864 b | 3.24043 b | 1.744 b |
| JENDL-4.0u | 1.67035 b | 1.67035 b | 1.8533 b | 1.10954 | 23.5839 b | 3.27664 b | 1.72 b |
| JENDL/HE-2007 | 1.67029 b | 1.67029 b | 1.8533 b | 1.10955 | 23.5877 b | 3.27666 b | 1.72 b |
| BROND-3.1 | 1.68523 b | 1.68523 b | 1.8714 b | 1.11048 | 23.7864 b | 3.24043 b | 1.744 b |
| CENDL-3.2 | 1.68516 b | 1.68516 b | 1.8714 b | 1.1105 | 23.7903 b | 3.24054 b | 1.7223 b |
| TENDL-2019 | 1.68516 b | 1.68516 b | 1.8714 b | 1.1105 | 23.7903 b | 3.26728 b | 1.7782 b |

| | | |
|------------------|------------------------|---------------|
| << 12-Mg-26 | 13-Al-27 | 14-Si-28 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



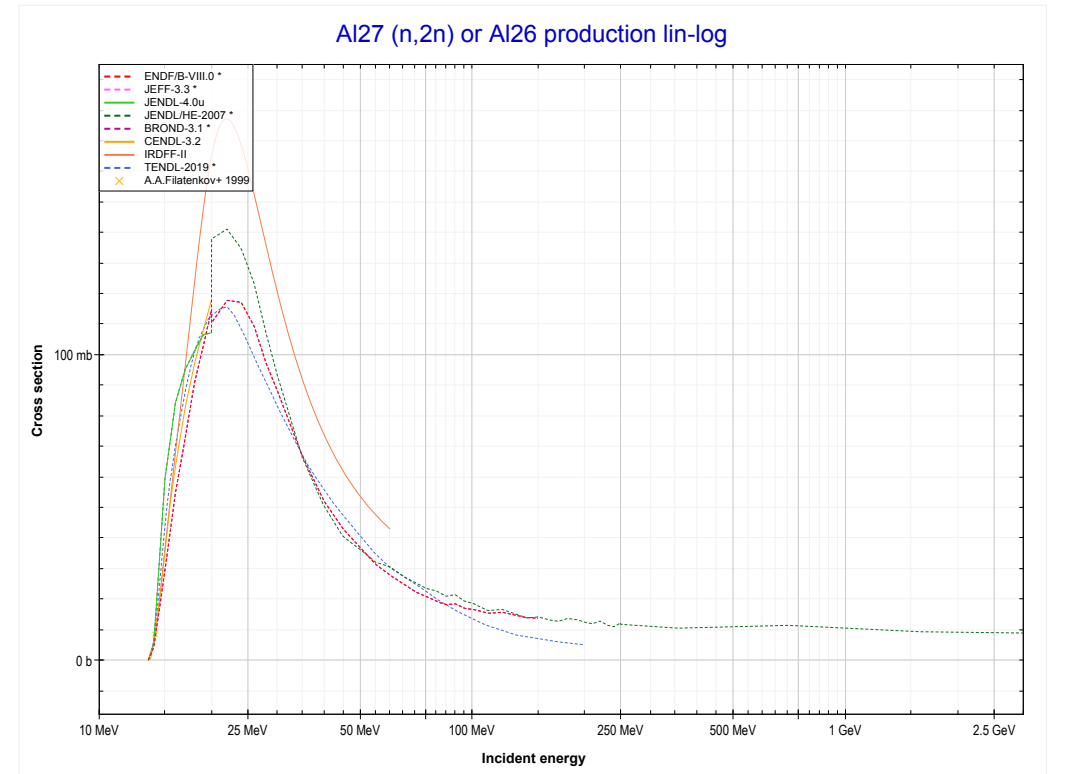
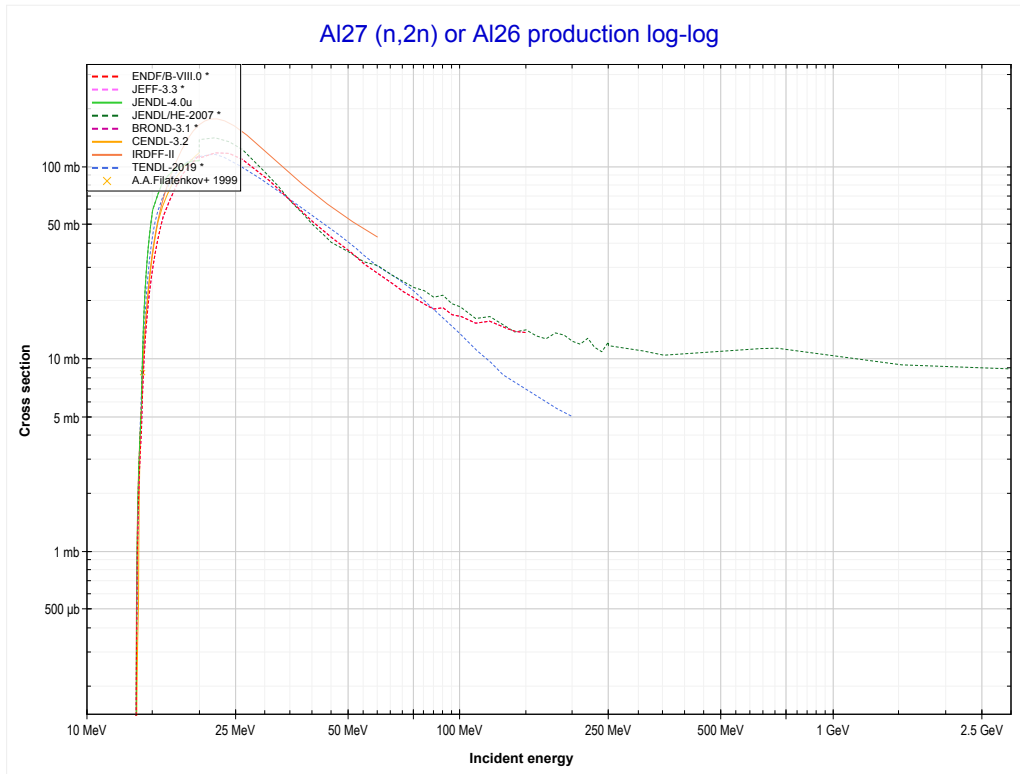
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.45169 b | 1.45169 b | 1.6378 b | 1.12821 | 23.6589 b | 2.92363 b | 0.779181 b |
| JEFF-3.3 | 1.45169 b | 1.45169 b | 1.6378 b | 1.12821 | 23.6589 b | 2.92363 b | 0.779181 b |
| JENDL-4.0u | 1.43999 b | 1.43999 b | 1.6246 b | 1.12821 | 23.4649 b | 2.98705 b | 0.788526 b |
| JENDL/HE-2007 | 1.43999 b | 1.43999 b | 1.6247 b | 1.12826 | 23.463 b | 2.98705 b | 0.788526 b |
| BROND-3.1 | 1.45169 b | 1.45169 b | 1.6378 b | 1.12821 | 23.6589 b | 2.92363 b | 0.779181 b |
| CENDL-3.2 | 1.45169 b | 1.45169 b | 1.6379 b | 1.12826 | 23.6612 b | 2.94579 b | 0.74743 b |
| TENDL-2019 | 1.45169 b | 1.45169 b | 1.6379 b | 1.12826 | 23.6612 b | 2.9283 b | 0.779181 b |

| | | |
|--------------------|--|----------------|
| << 12-Mg-24 | 13-Al-27 | 14-Si-28 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Al27 production) | MT16 (n,2n) >> |



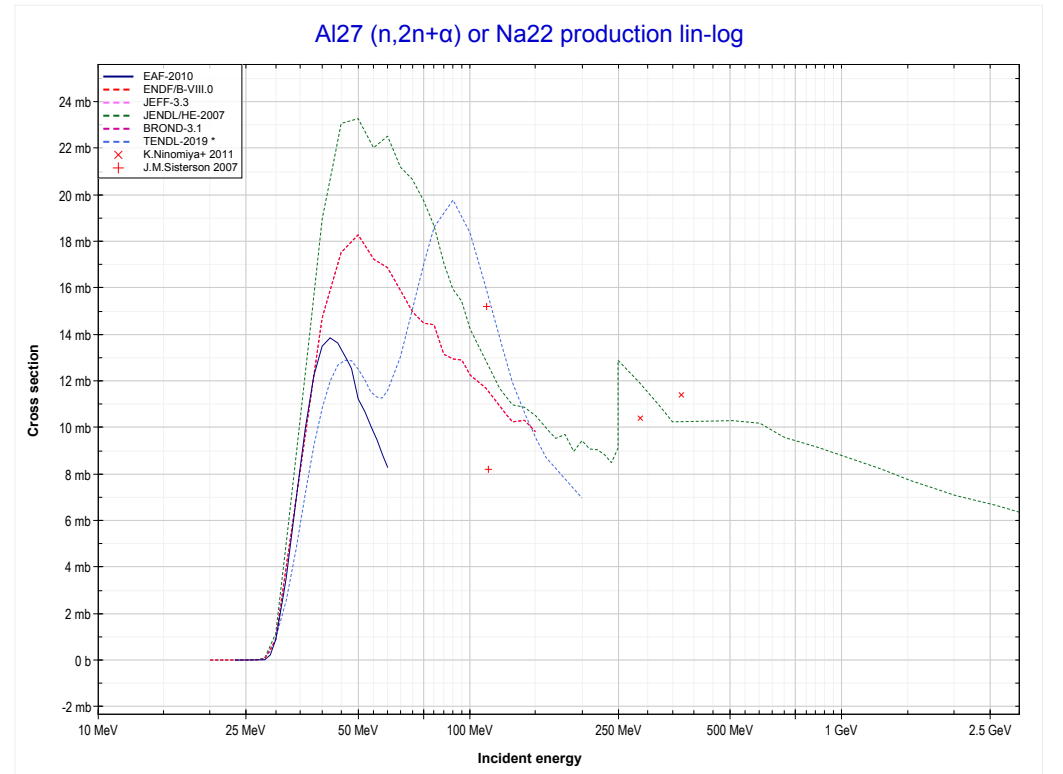
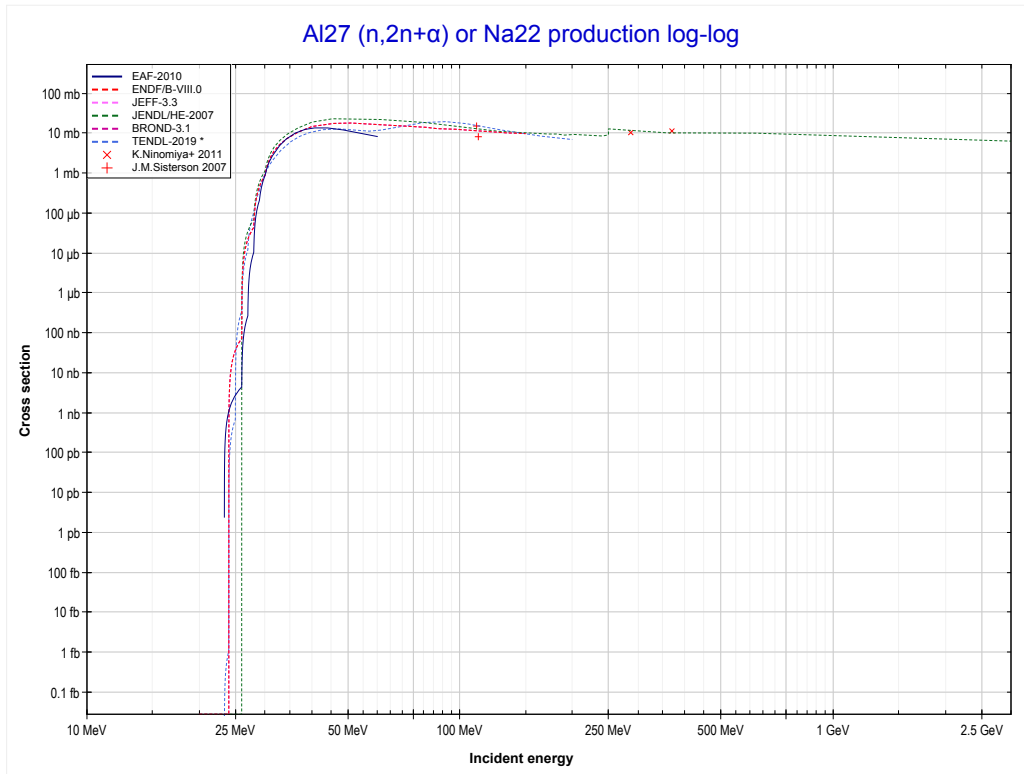
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.310902 b | 0.433049 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.310902 b | 0.433049 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.283311 b | 0.443527 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.283307 b | 0.443527 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.310902 b | 0.433049 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.289324 b | 0.47877 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.332819 b | 0.393216 b |

| | | |
|---------------|---|------------------|
| << 12-Mg-24 | 13-Al-27 | 14-Si-28 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Al26 production) | MT24 (n,2n+α) >> |



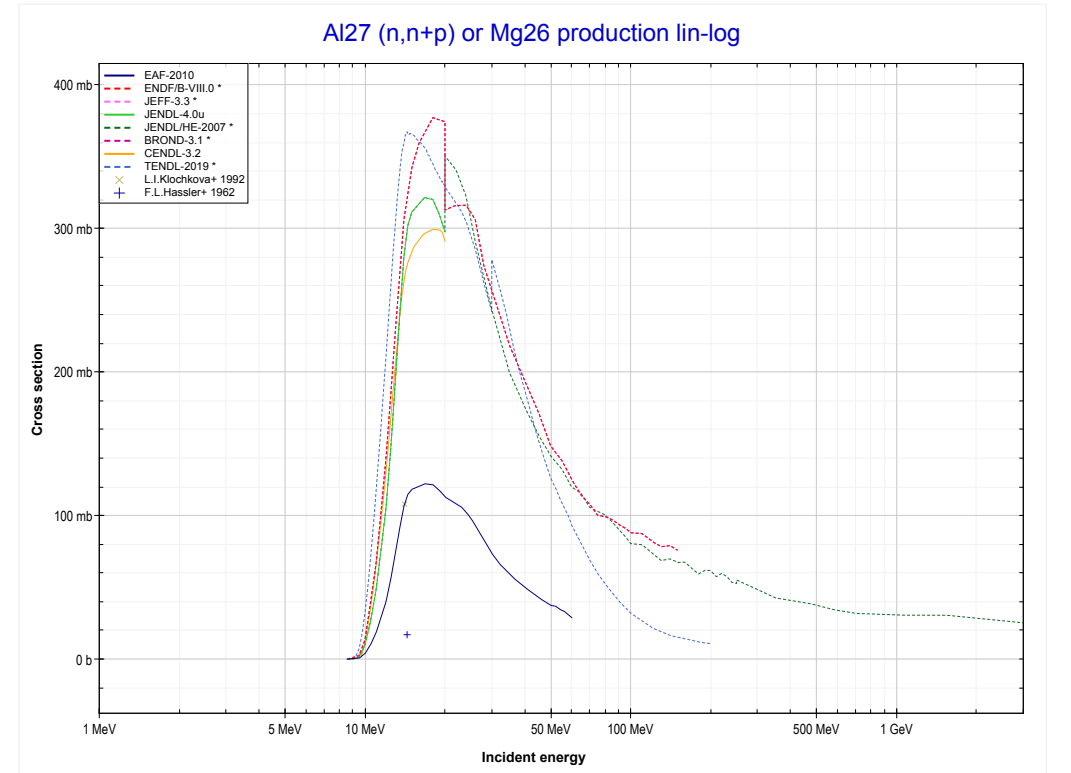
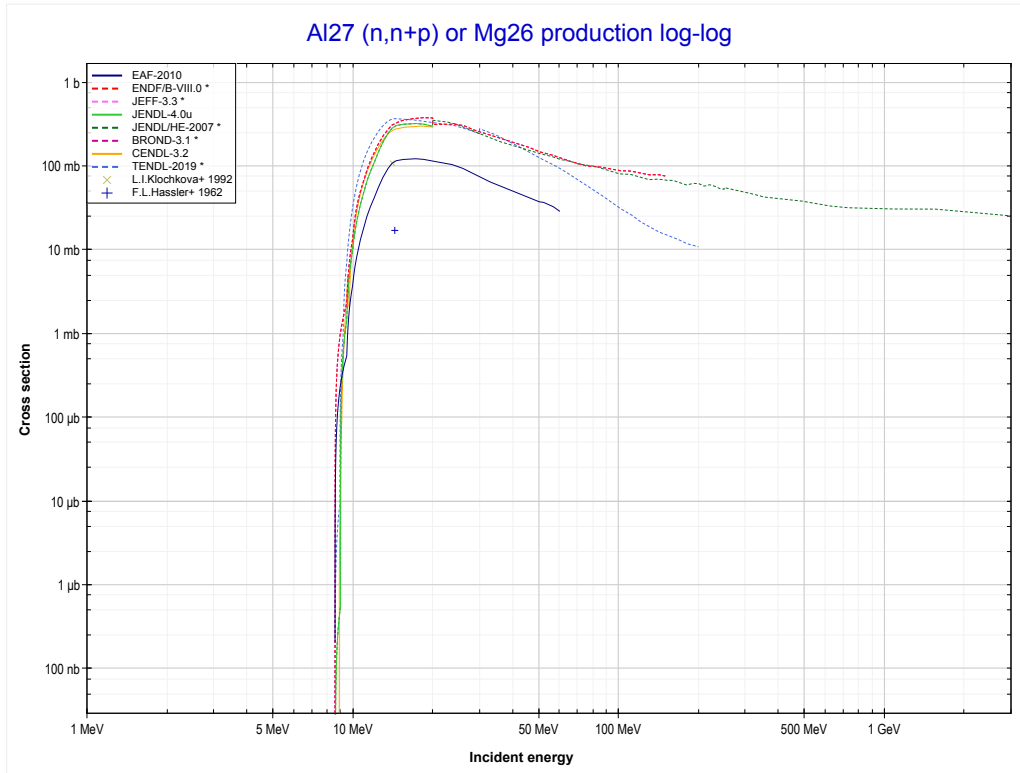
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.25982E-6 b | 0.00422837 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.25982E-6 b | 0.00422837 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.55631E-6 b | 0.00538527 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.55636E-6 b | 0.00538527 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.25982E-6 b | 0.00422837 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.87508E-6 b | 0.0059026 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 5.4453E-6 b | 0.005458 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.53833E-6 b | 0.00682931 b |

| | | |
|----------------|---|-----------------|
| << 8-O-16 | 13-Al-27 | 23-V-51 >> |
| << MT16 (n,2n) | MT24 (n,2n+α) or MT5 (Na22 production) | MT28 (n,n+p) >> |



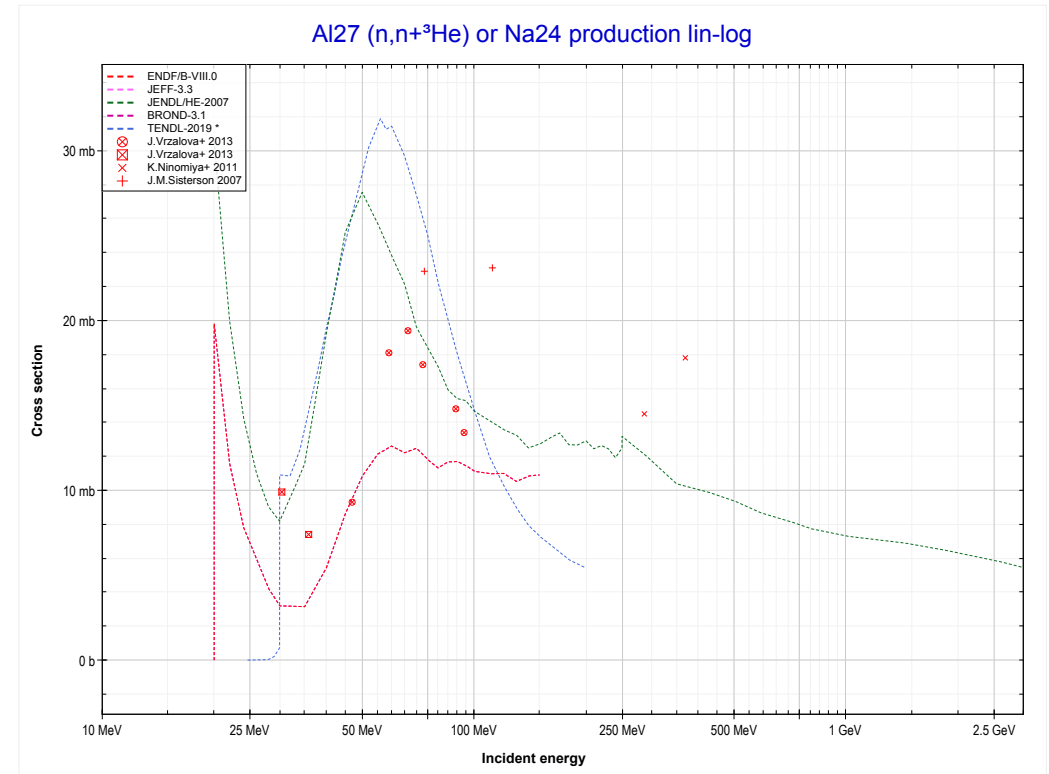
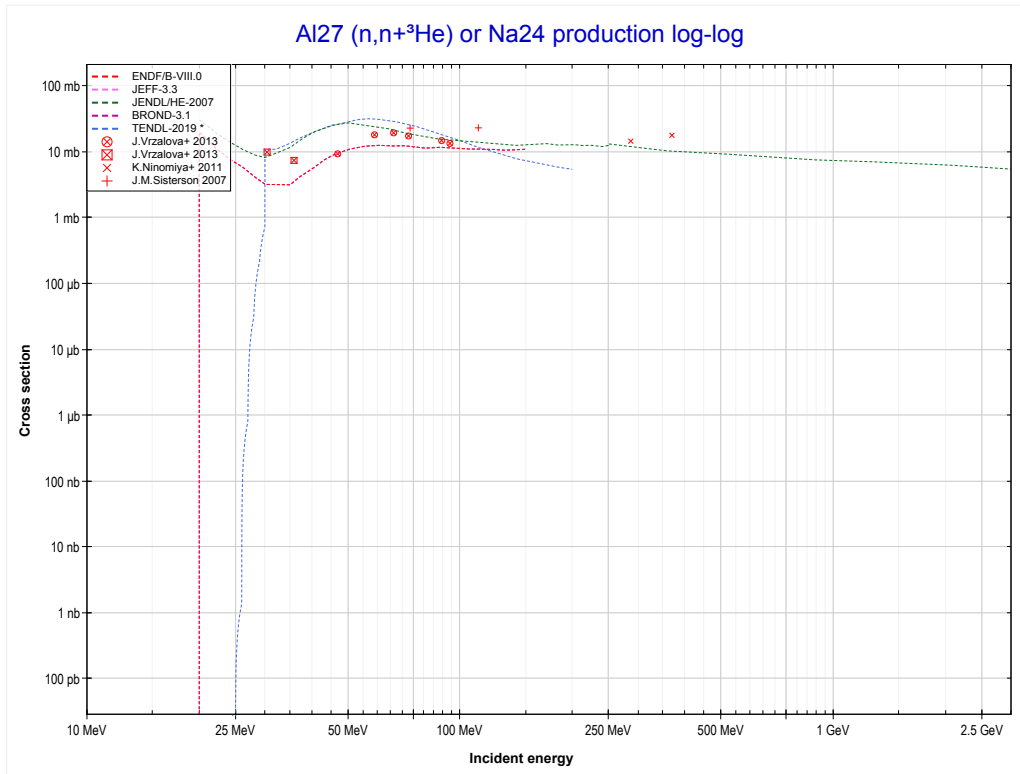
| Reaction | Q-Value |
|--------------------|---------------|
| Al27(n,2n+α)Na22 | -22511.58 keV |
| Al27(n,2t)Na22 | -33843.65 keV |
| Al27(n,n+d+t)Na22 | -40100.88 keV |
| Al27(n,2n+p+t)Na22 | -42325.45 keV |
| Al27(n,3n+He3)Na22 | -43089.20 keV |
| Al27(n,2n+2d)Na22 | -46358.11 keV |
| Al27(n,3n+p+d)Na22 | -48582.68 keV |
| Al27(n,4n+2p)Na22 | -50807.24 keV |

| | | |
|------------------|--|--------------------------------|
| << 12-Mg-26 | 13-Al-27 | 14-Si-28 >> |
| << MT24 (n,2n+α) | MT28 (n,n+p) or MT5 (Mg26 production) | MT34 (n,n+ ³ He) >> |



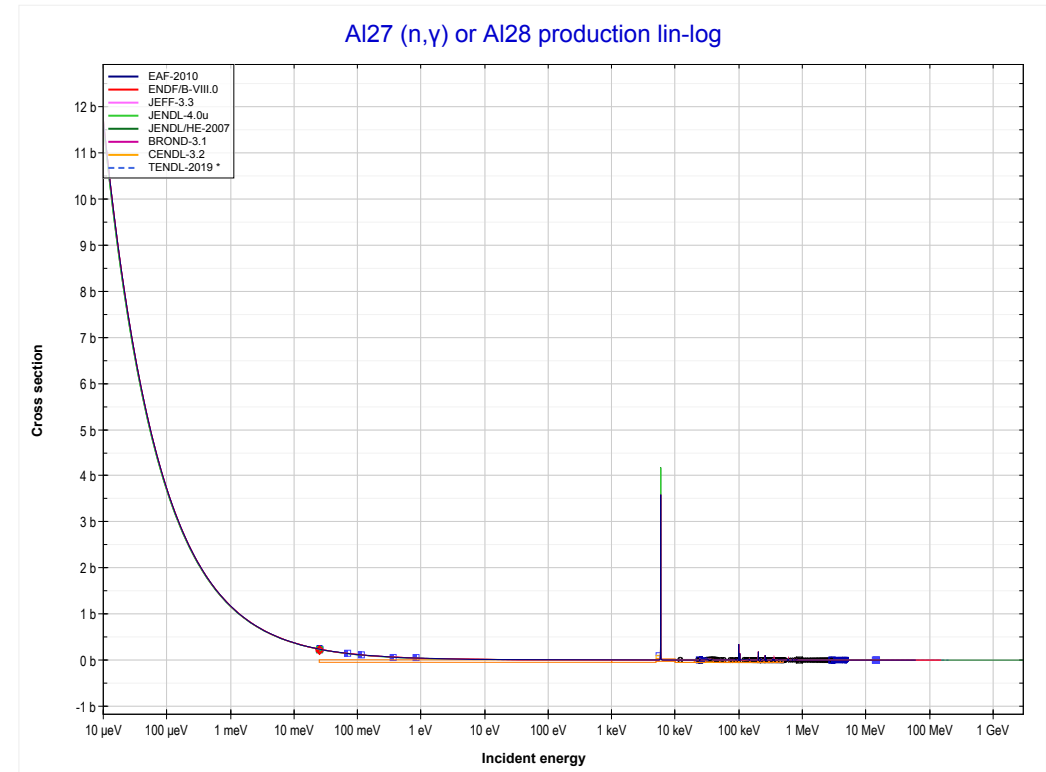
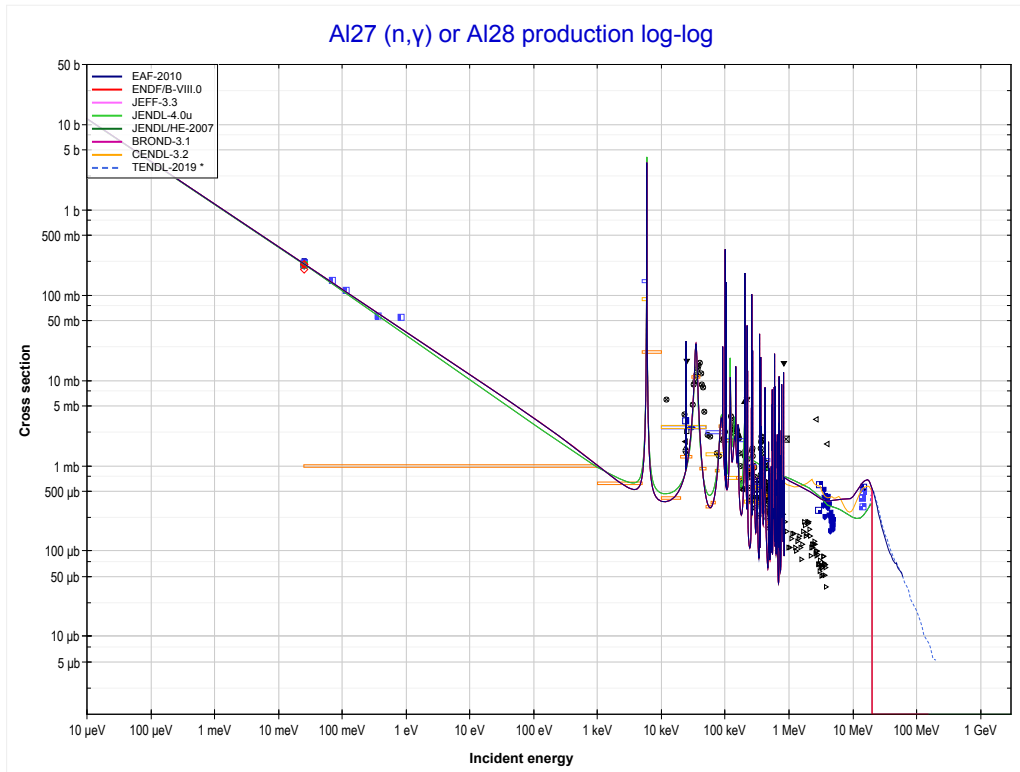
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10957E-4 b | 0.305963 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10957E-4 b | 0.305963 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.67038E-4 b | 0.279675 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67037E-4 b | 0.279675 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10957E-4 b | 0.305963 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87501E-4 b | 0.2625 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.09032E-4 b | 0.359014 b |

| | | |
|-----------------|---|-------------------------|
| | 13-Al-27 | 23-V-51 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Na24 production) | MT102 (n, γ) >> |



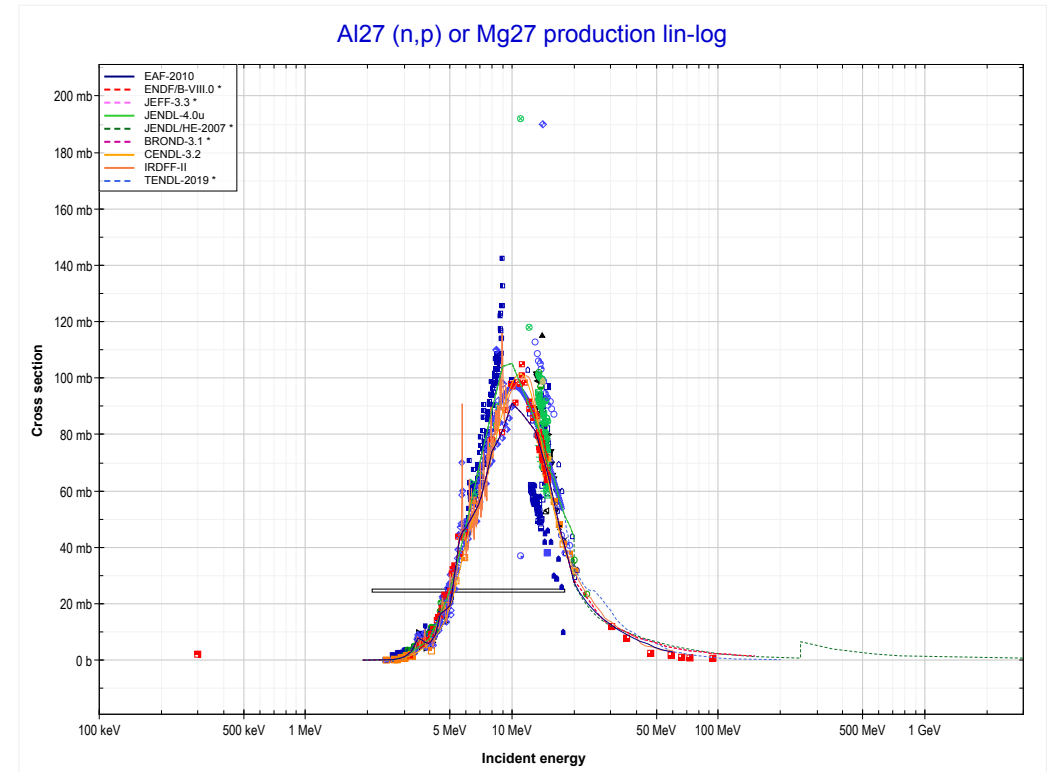
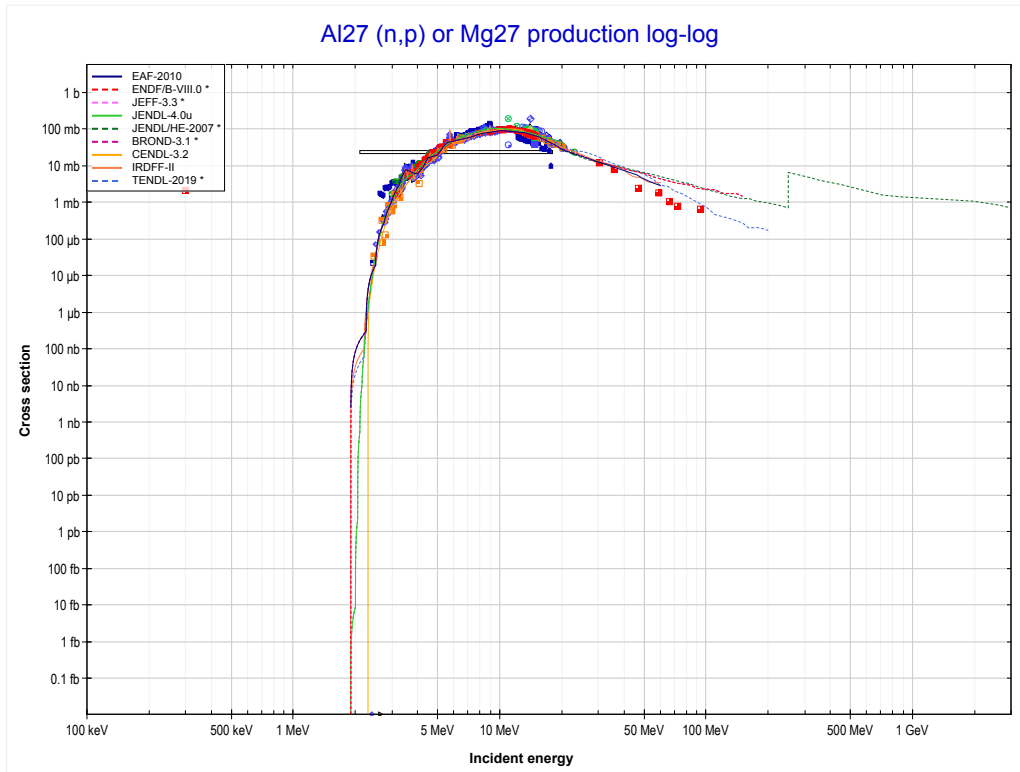
| Reaction | Q-Value |
|------------------------|---------------|
| Al27(n, α)Na24 | -3132.56 keV |
| Al27(n,p+t)Na24 | -22946.42 keV |
| Al27(n,n+He3)Na24 | -23710.18 keV |
| Al27(n,2d)Na24 | -26979.09 keV |
| Al27(n,n+p+d)Na24 | -29203.65 keV |
| Al27(n,2n+2p)Na24 | -31428.22 keV |

| | | |
|--------------------------------|---|----------------|
| << 12-Mg-27 | 13-Al-27 | 14-Si-28 >> |
| << MT34 (n,n+ ³ He) | MT102 (n,γ) or MT5 (Al28 production) | MT103 (n,p) >> |



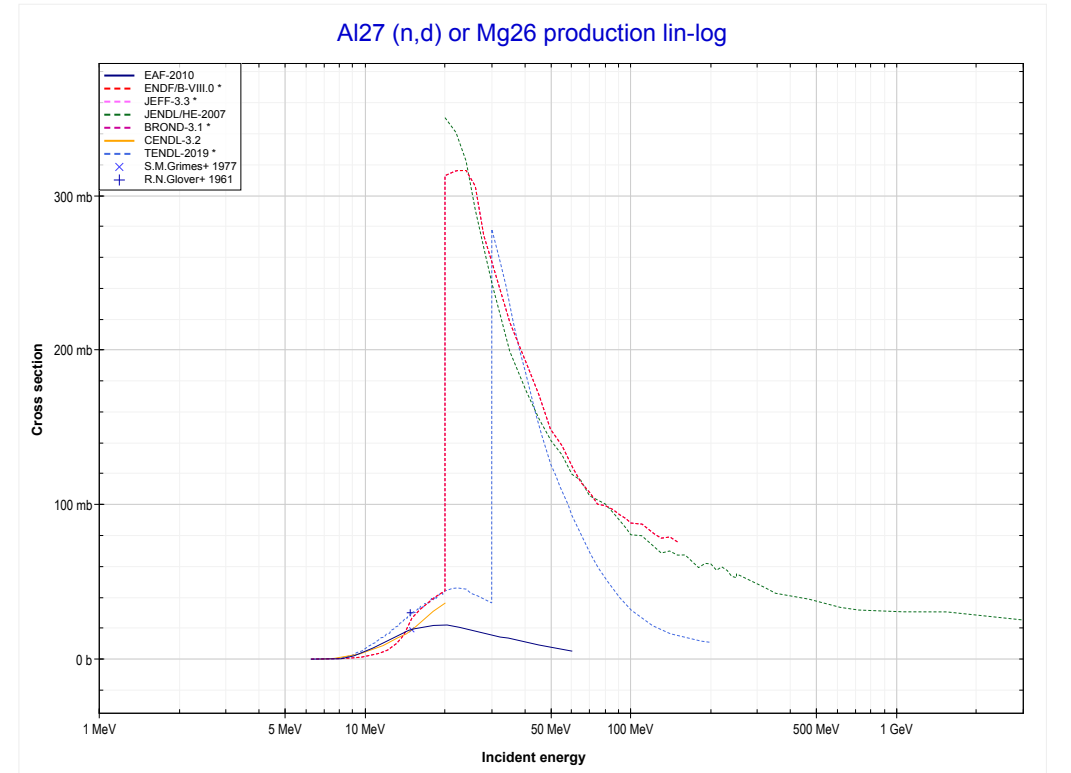
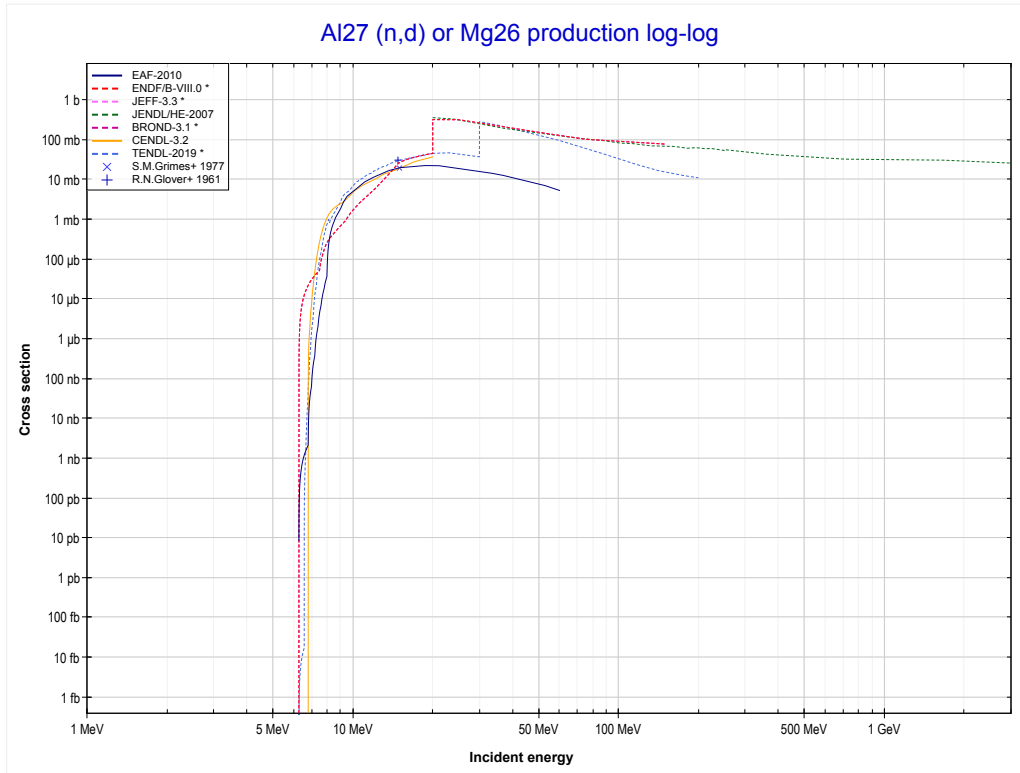
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.233472 b | 0.233303 b | 0.23331 b | 1.00007 | 0.127341 b | 5.45932E-4 b | 6.2769E-4 b |
| ENDF/B-VIII.0 | 0.233541 b | 0.233541 b | 0.23362 b | 1.00033 | 0.127565 b | 5.45842E-4 b | 6.2769E-4 b |
| JEFF-3.3 | 0.233541 b | 0.233541 b | 0.23362 b | 1.00033 | 0.127565 b | 5.45842E-4 b | 6.2769E-4 b |
| JENDL-4.0u | 0.230363 b | 0.230363 b | 0.22871 b | 0.99284 | 0.118936 b | 6.78904E-4 b | 2.53233E-4 b |
| JENDL/HE-2007 | 0.2303 b | 0.2303 b | 0.22858 b | 0.99253 | 0.118737 b | 6.79155E-4 b | 2.53233E-4 b |
| BROND-3.1 | 0.233541 b | 0.233541 b | 0.23362 b | 1.00033 | 0.127565 b | 5.45842E-4 b | 6.2769E-4 b |
| CENDL-3.2 | 0.233458 b | 0.233458 b | 0.23347 b | 1.00007 | 0.127346 b | 5.79746E-4 b | 5.374E-4 b |
| TENDL-2019 | 0.233458 b | 0.233458 b | 0.23347 b | 1.00007 | 0.127346 b | 5.57772E-4 b | 2.53233E-4 b |

| | | |
|-------------------------|---|----------------|
| << 13-Al-26 | 13-Al-27 | 14-Si-28 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mg27 production) | MT104 (n,d) >> |



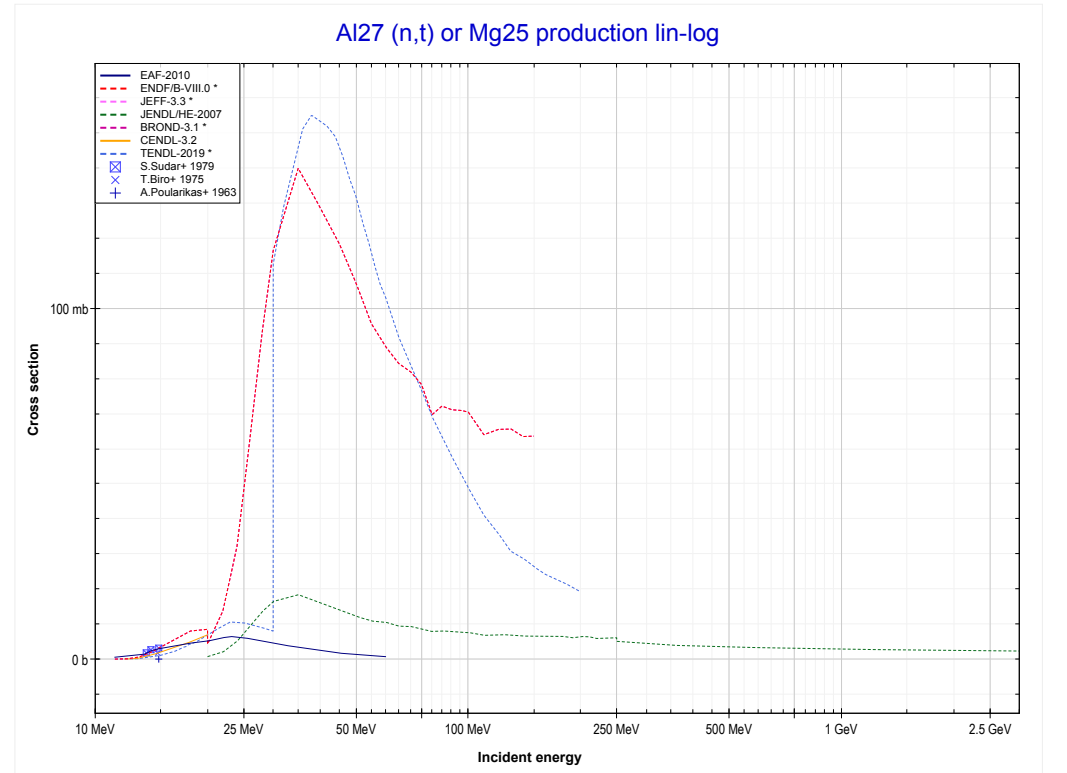
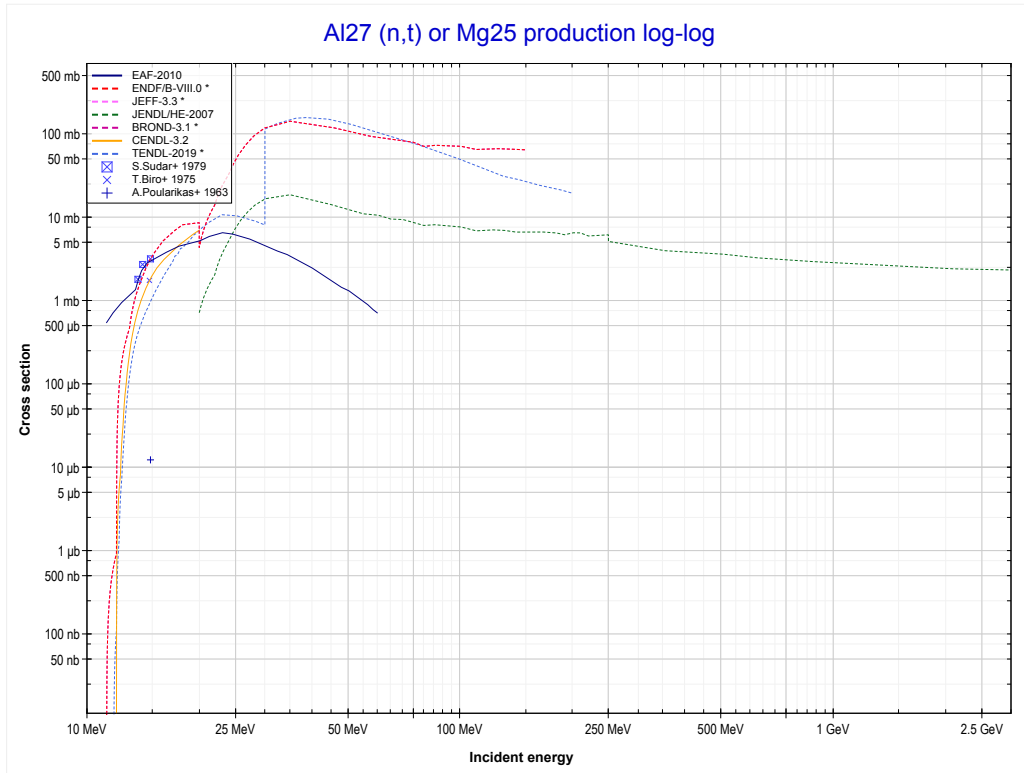
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00420844 b | 0.0730753 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00420844 b | 0.0730753 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00420844 b | 0.0730753 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00456487 b | 0.0779604 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00456487 b | 0.0779604 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00420844 b | 0.0730753 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00367759 b | 0.075584 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00427191 b | 0.076187 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00436645 b | 0.0779604 b |

| | | |
|----------------|---|----------------|
| << 12-Mg-26 | 13-Al-27 | 14-Si-28 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Mg26 production) | MT105 (n,t) >> |



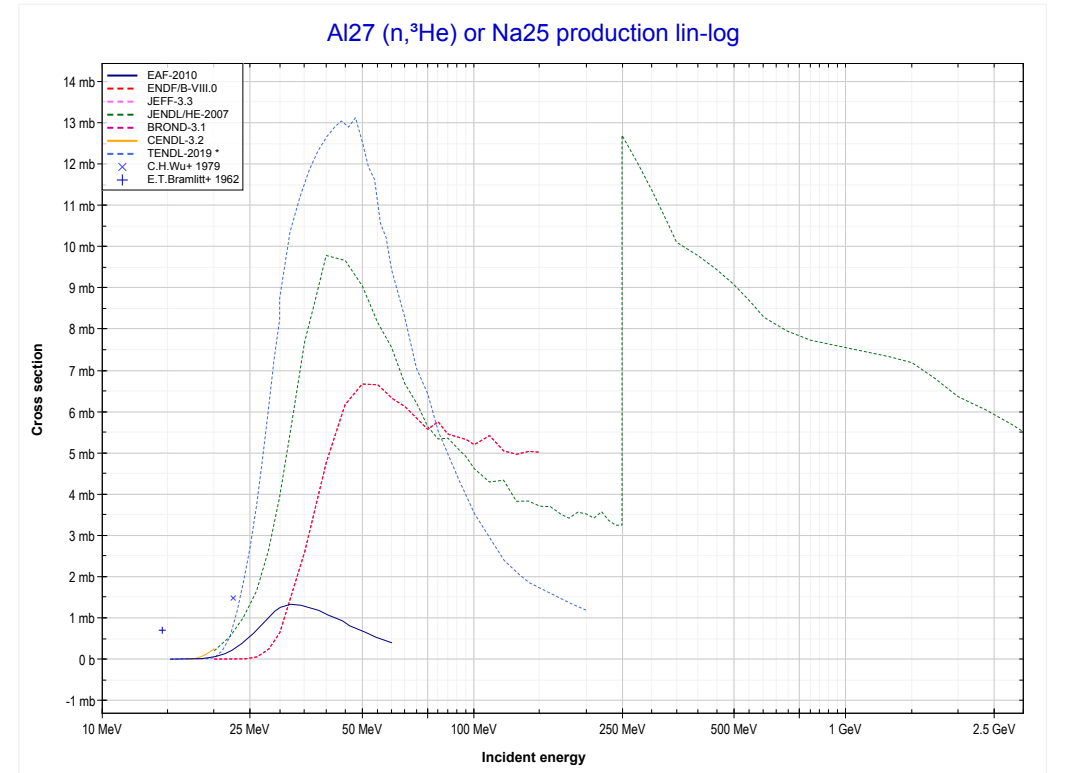
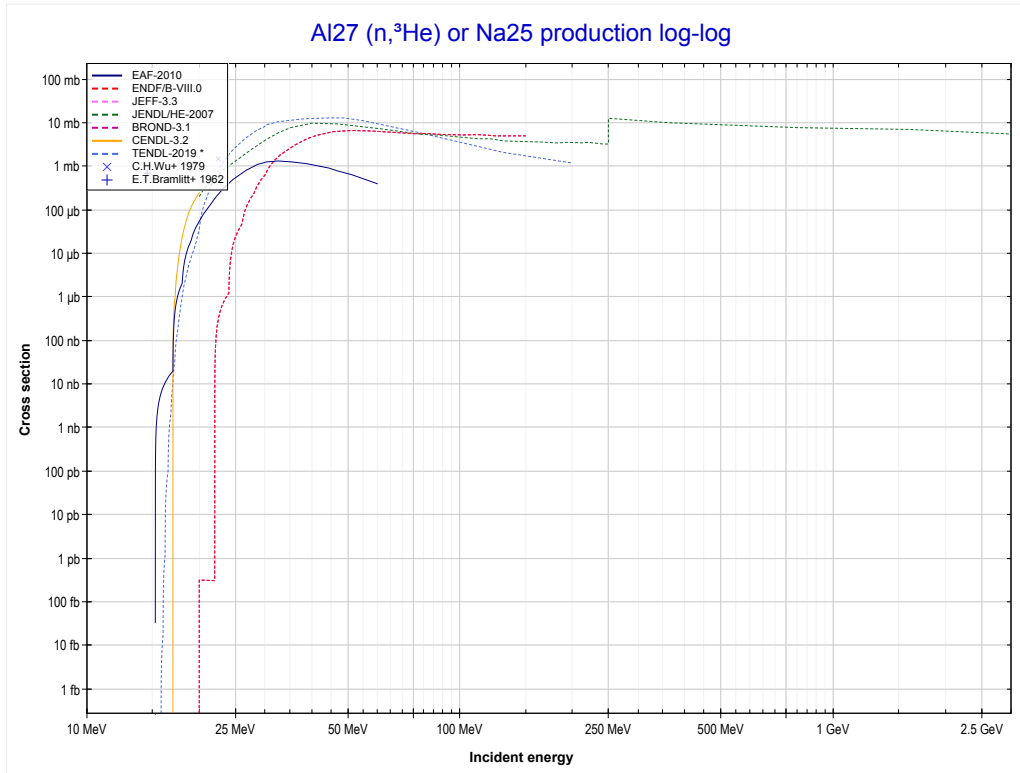
| Reaction | Q-Value |
|-----------------|--------------|
| Al27(n,d)Mg26 | -6046.72 keV |
| Al27(n,n+p)Mg26 | -8271.29 keV |

| | | |
|----------------|---|-------------------------------|
| << 12-Mg-24 | 13-Al-27 | 16-S-32 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Mg25 production) | MT106 (n, ³ He) >> |



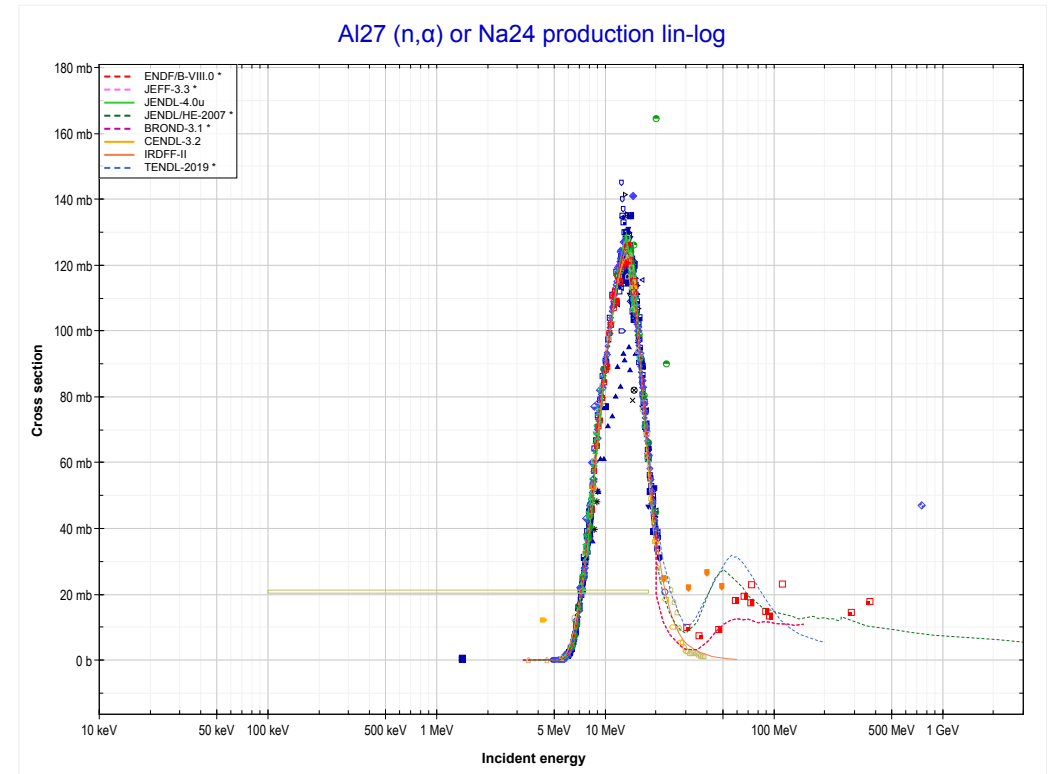
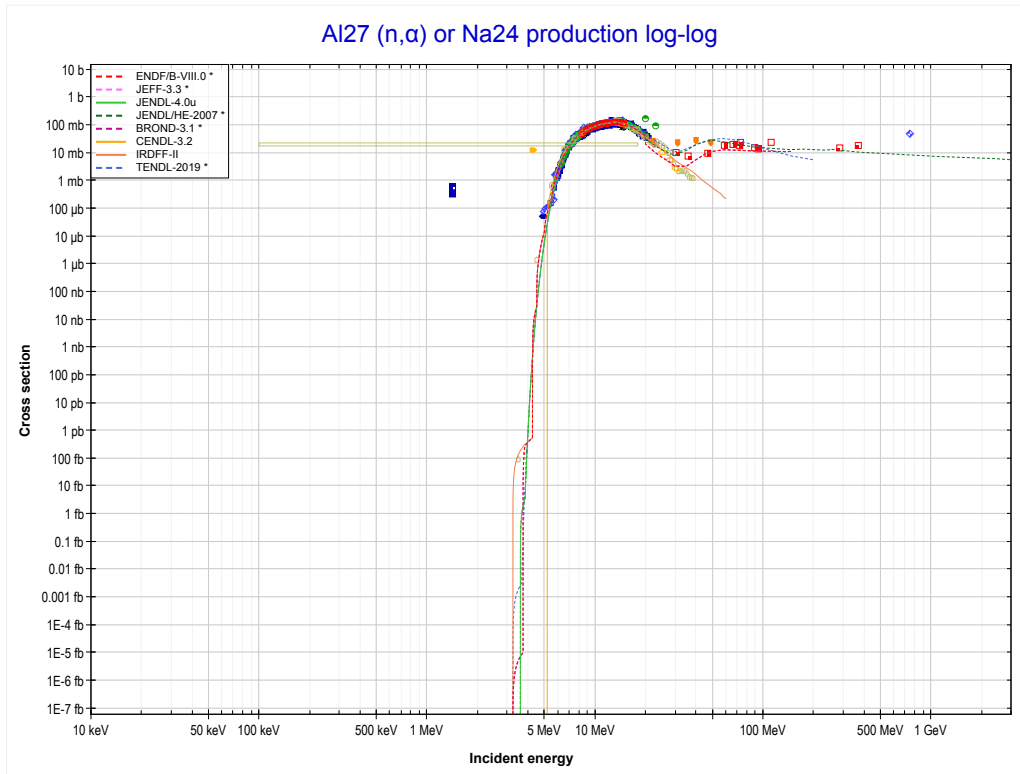
| Reaction | Q-Value |
|------------------|---------------|
| Al27(n,t)Mg25 | -10882.57 keV |
| Al27(n,n+d)Mg25 | -17139.80 keV |
| Al27(n,2n+p)Mg25 | -19364.37 keV |

| | | |
|----------------|--|----------------|
| << 12-Mg-26 | 13-Al-27 | 15-P-31 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Na25 production) | MT107 (n,α) >> |



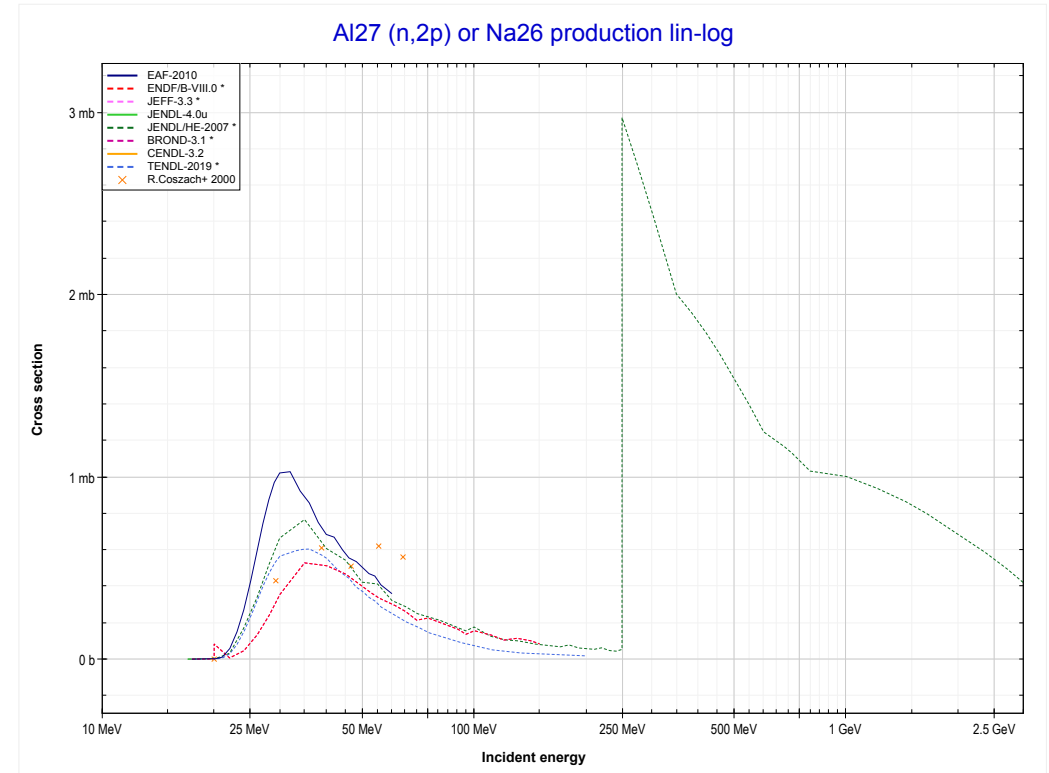
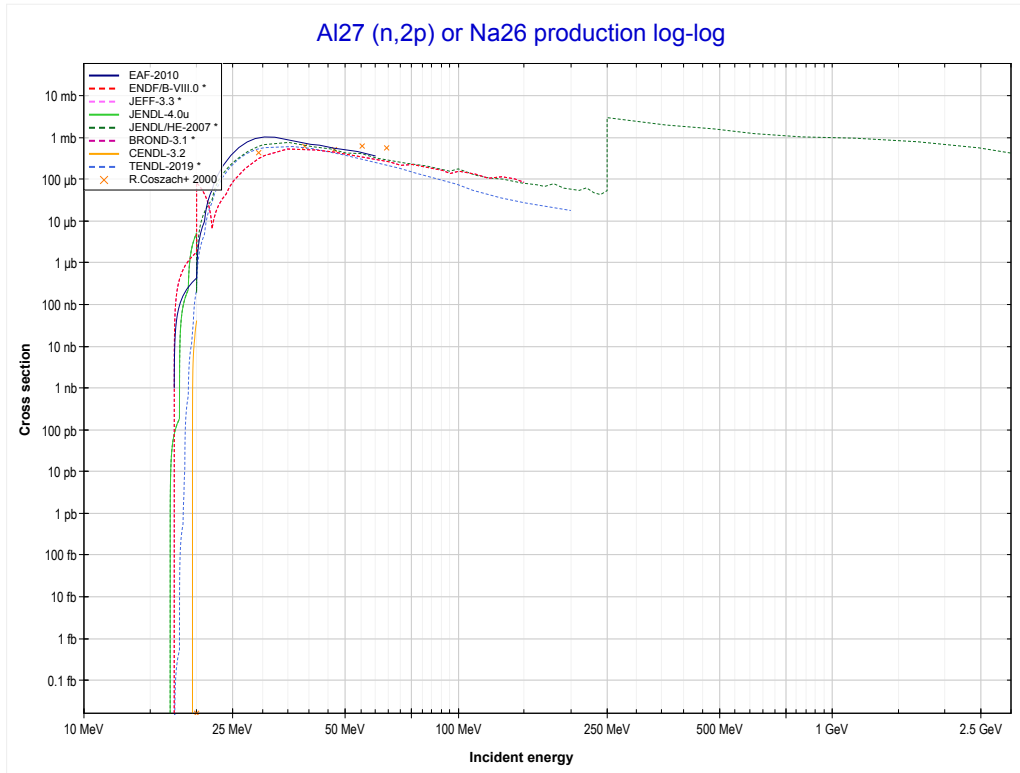
| Reaction | Q-Value |
|------------------|---------------|
| Al27(n,He3)Na25 | -14698.96 keV |
| Al27(n,p+d)Na25 | -20192.44 keV |
| Al27(n,n+2p)Na25 | -22417.00 keV |

| | | |
|-------------------------------|---|-----------------|
| << 13-AI-26 | 13-AI-27 | 14-Si-28 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Na24 production) | MT111 (n,2p) >> |



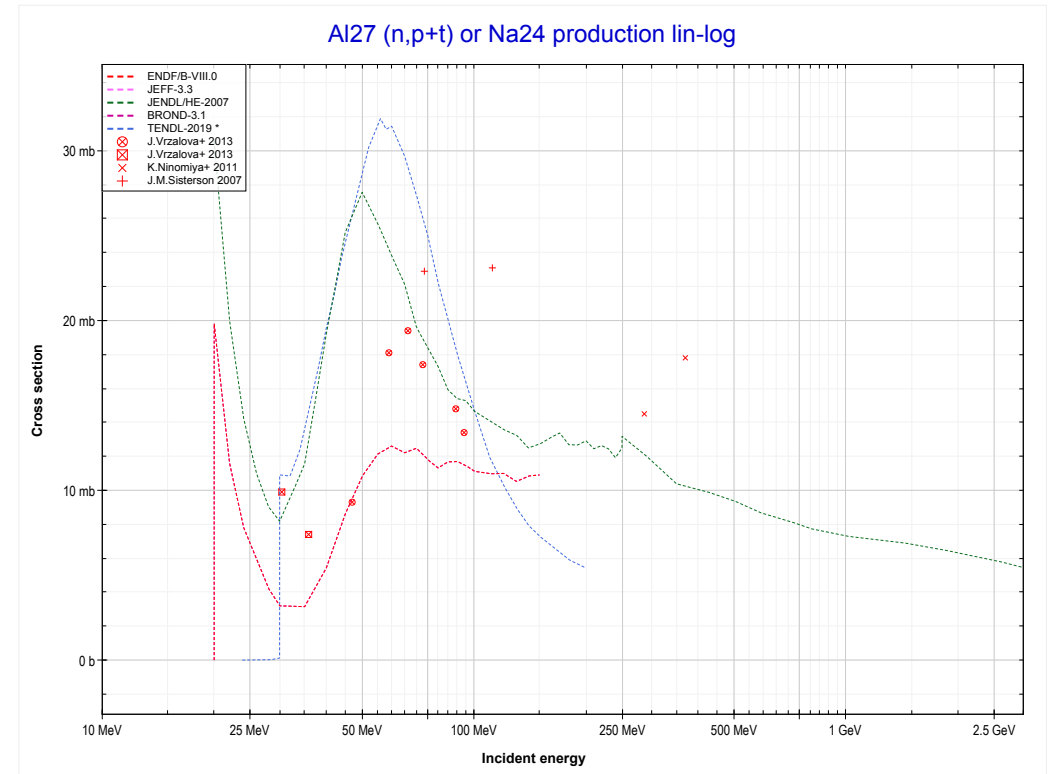
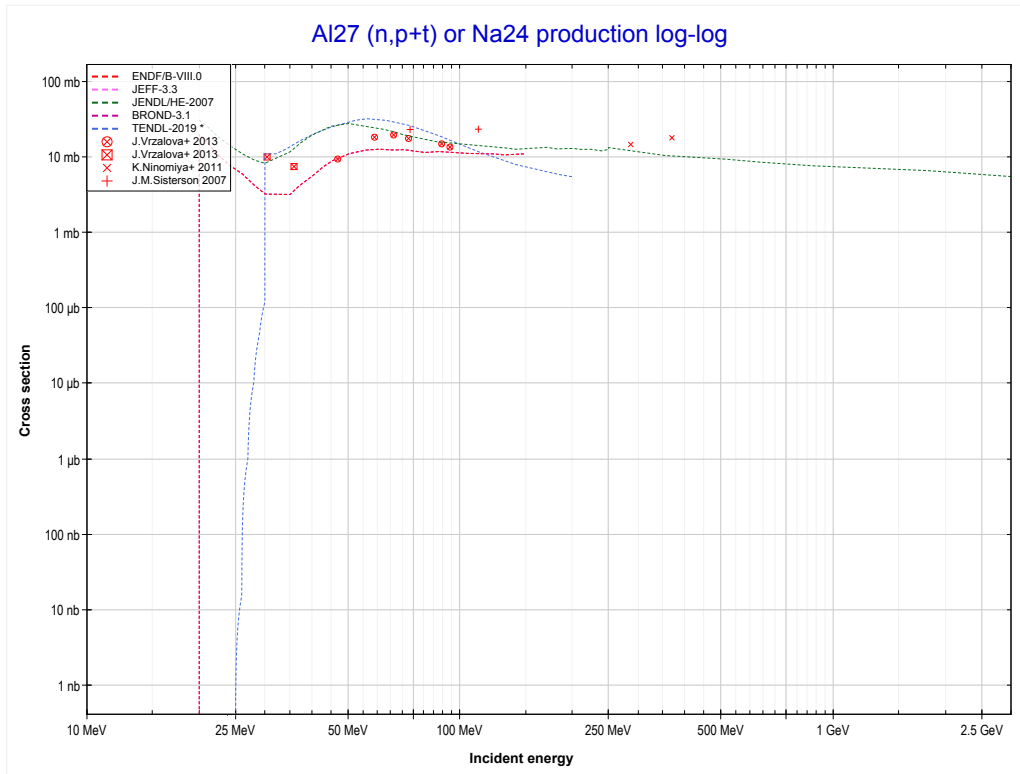
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.99977E-4 b | 0.122509 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.99977E-4 b | 0.122509 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.61477E-4 b | 0.122245 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.61474E-4 b | 0.122245 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.99977E-4 b | 0.122509 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.21738E-4 b | 0.12143 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 8.83817E-4 b | 0.122192 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.57604E-4 b | 0.122245 b |

| | | |
|-------------------------|--|------------------|
| | 13-AI-27 | 14-Si-29 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Na26 production) | MT116 (n,p+t) >> |



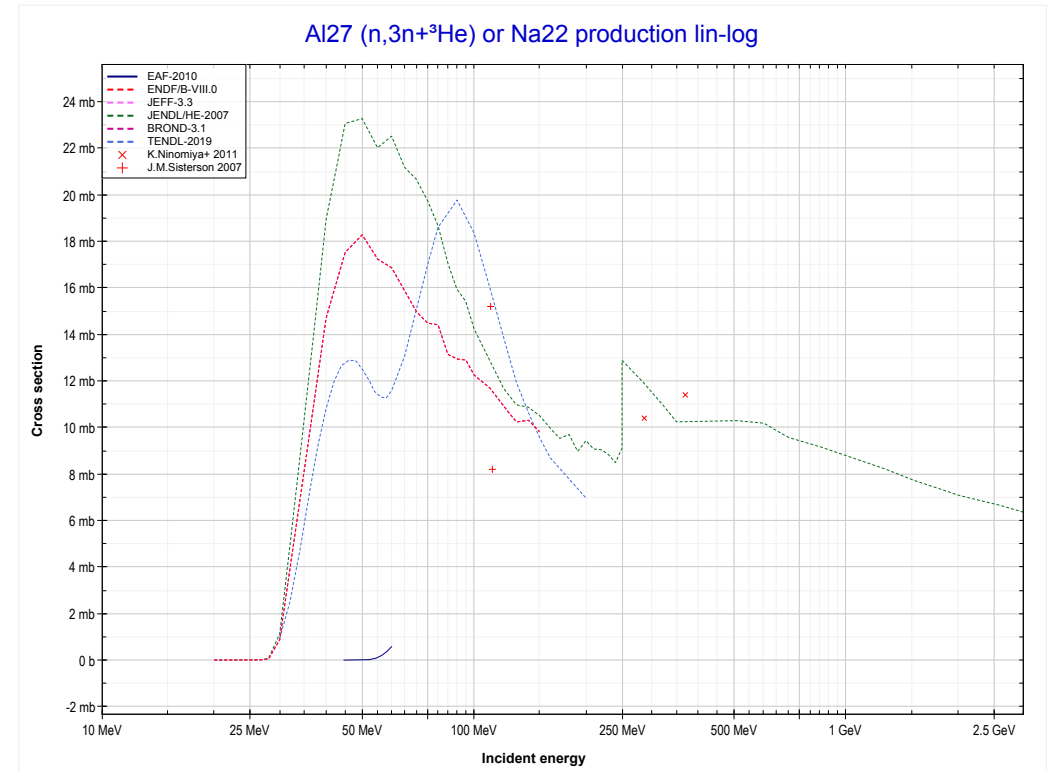
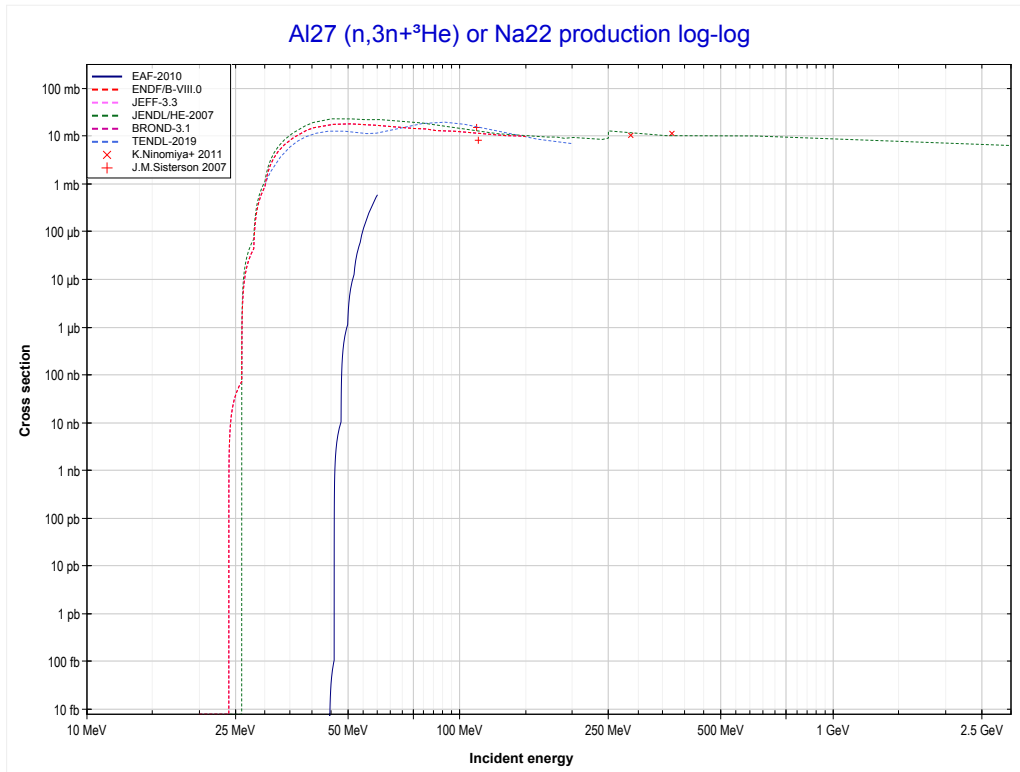
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.608E-12 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.608E-12 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.48345E-12 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.48345E-12 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.608E-12 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12661E-14 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.25854E-14 b | 0 b |

| | | |
|------------------------------|---|---|
| | 13-Al-27 | 23-V-51 >> |
| << MT111 (n,2p) | MT116 (n,p+t) or MT5 (Na24 production) | MT177 (n,3n+³He) >> |



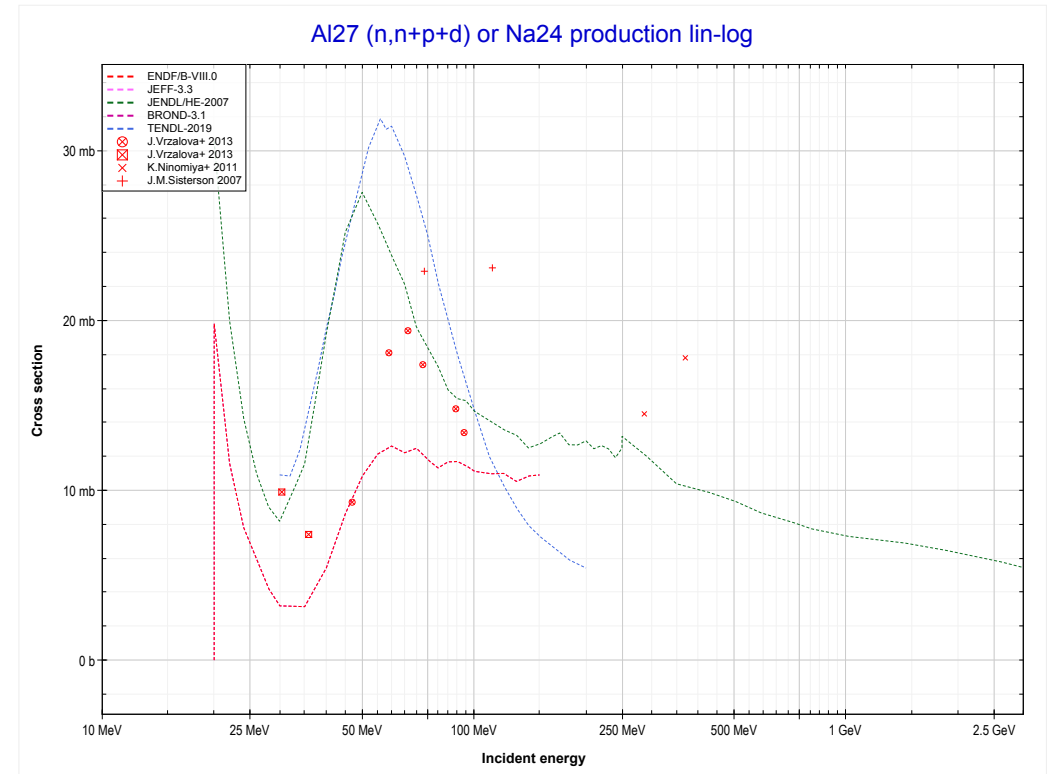
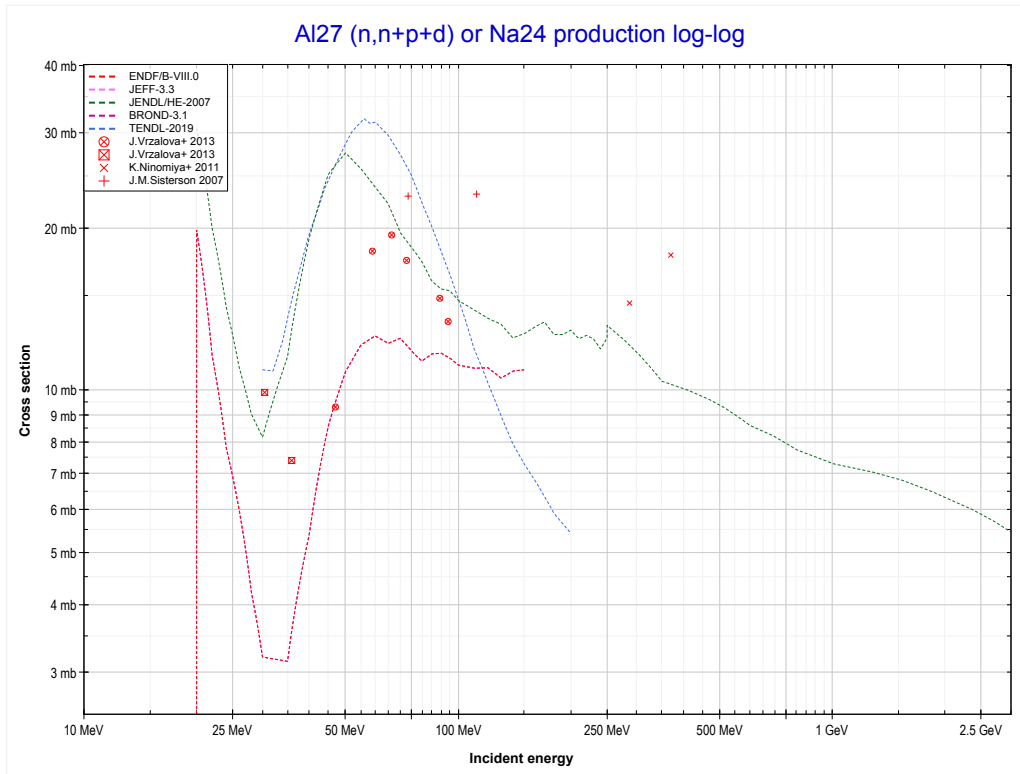
| Reaction | Q-Value |
|------------------------|---------------|
| Al27(n, α)Na24 | -3132.56 keV |
| Al27(n,p+t)Na24 | -22946.42 keV |
| Al27(n,n+He3)Na24 | -23710.18 keV |
| Al27(n,2d)Na24 | -26979.09 keV |
| Al27(n,n+p+d)Na24 | -29203.65 keV |
| Al27(n,2n+2p)Na24 | -31428.22 keV |

| | | |
|------------------|---|--------------------|
| << 8-O-16 | 13-Al-27 | 23-V-51 >> |
| << MT116 (n,p+t) | MT177 (n,3n+³He) or MT5 (Na22 production) | MT183 (n,n+p+d) >> |



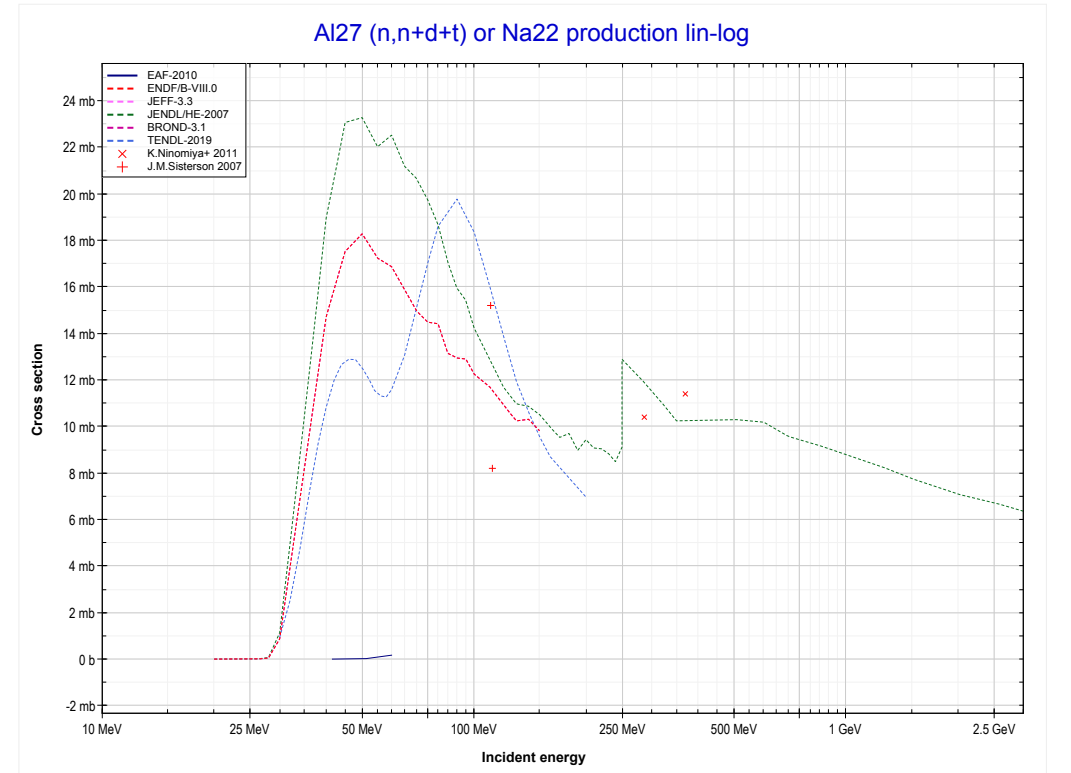
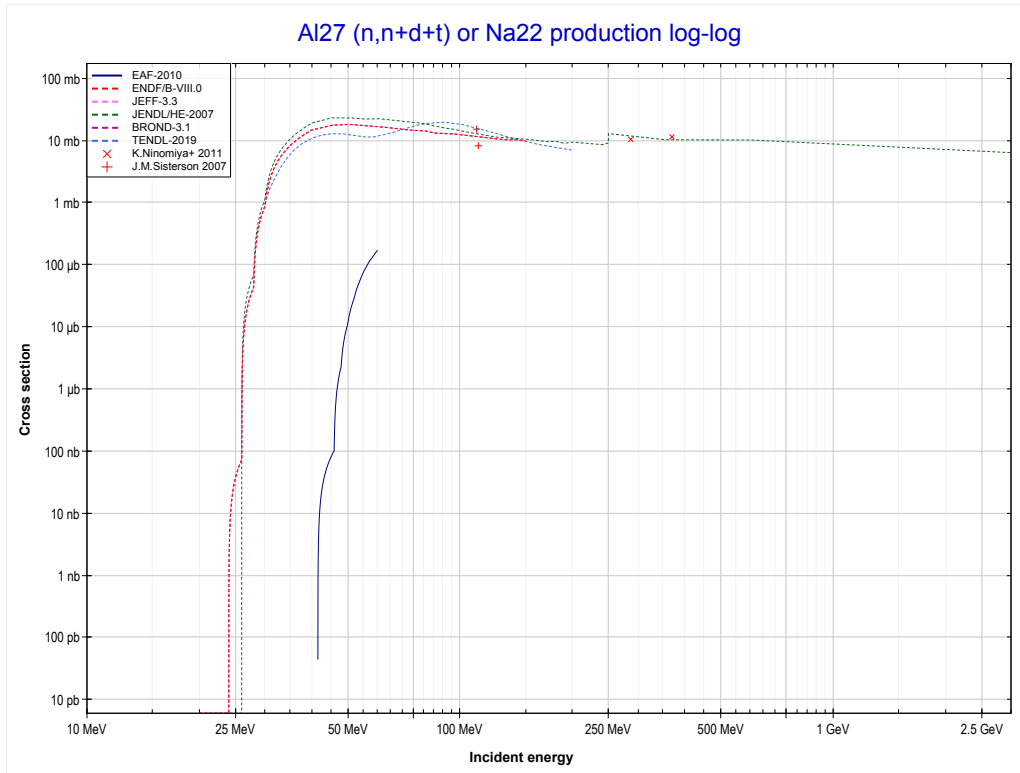
| Reaction | Q-Value |
|--------------------|---------------|
| Al27(n,2n+α)Na22 | -22511.58 keV |
| Al27(n,2t)Na22 | -33843.65 keV |
| Al27(n,n+d+t)Na22 | -40100.88 keV |
| Al27(n,2n+p+t)Na22 | -42325.45 keV |
| Al27(n,3n+He3)Na22 | -43089.20 keV |
| Al27(n,2n+2d)Na22 | -46358.11 keV |
| Al27(n,3n+p+d)Na22 | -48582.68 keV |
| Al27(n,4n+2p)Na22 | -50807.24 keV |

| | | |
|----------------------------------|---|--------------------|
| | 13-AI-27 | 23-V-51 >> |
| << MT177 (n,3n+ ³ He) | MT183 (n,n+p+d) or MT5 (Na24 production) | MT185 (n,n+d+t) >> |



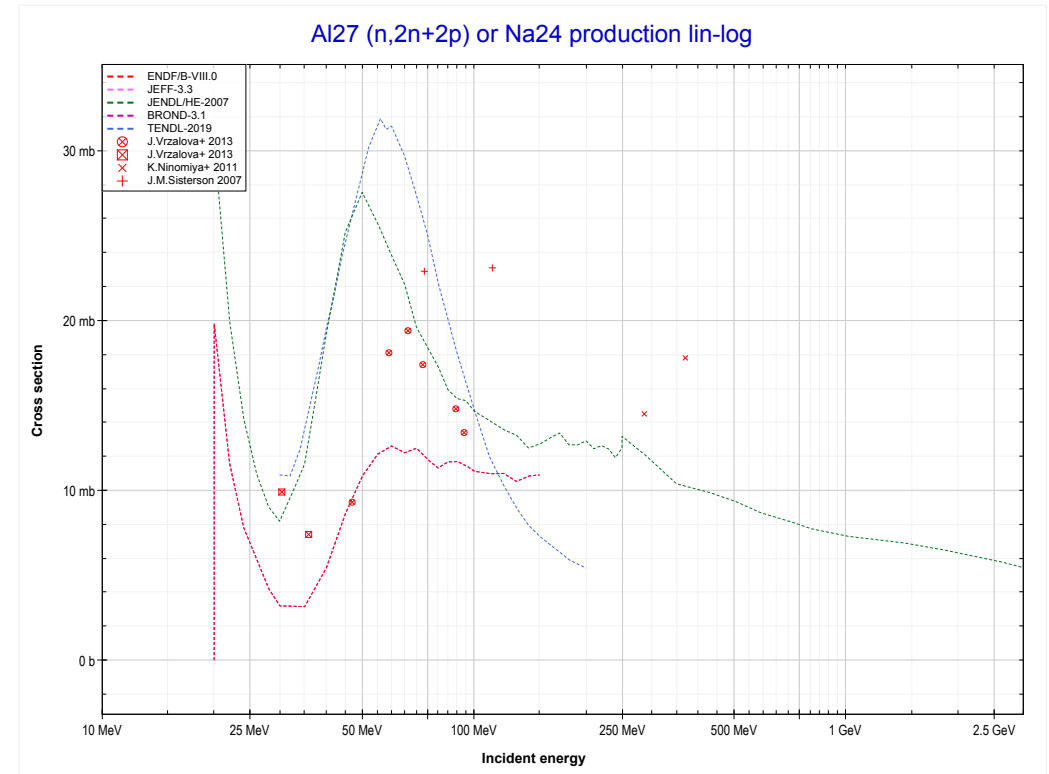
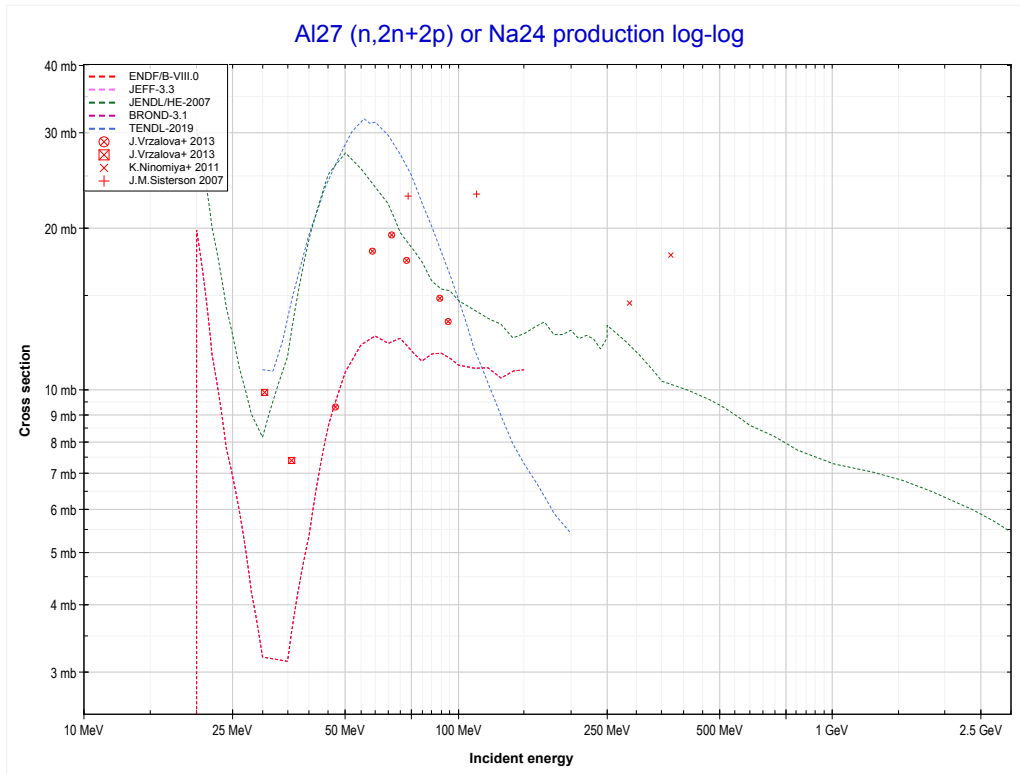
| Reaction | Q-Value |
|------------------------|---------------|
| Al27(n, α)Na24 | -3132.56 keV |
| Al27(n,p+t)Na24 | -22946.42 keV |
| Al27(n,n+He3)Na24 | -23710.18 keV |
| Al27(n,2d)Na24 | -26979.09 keV |
| Al27(n,n+p+d)Na24 | -29203.65 keV |
| Al27(n,2n+2p)Na24 | -31428.22 keV |

| | | |
|--------------------|---|--------------------|
| << 8-O-16 | 13-Al-27 | 23-V-51 >> |
| << MT183 (n,n+p+d) | MT185 (n,n+d+t) or MT5 (Na22 production) | MT190 (n,2n+2p) >> |



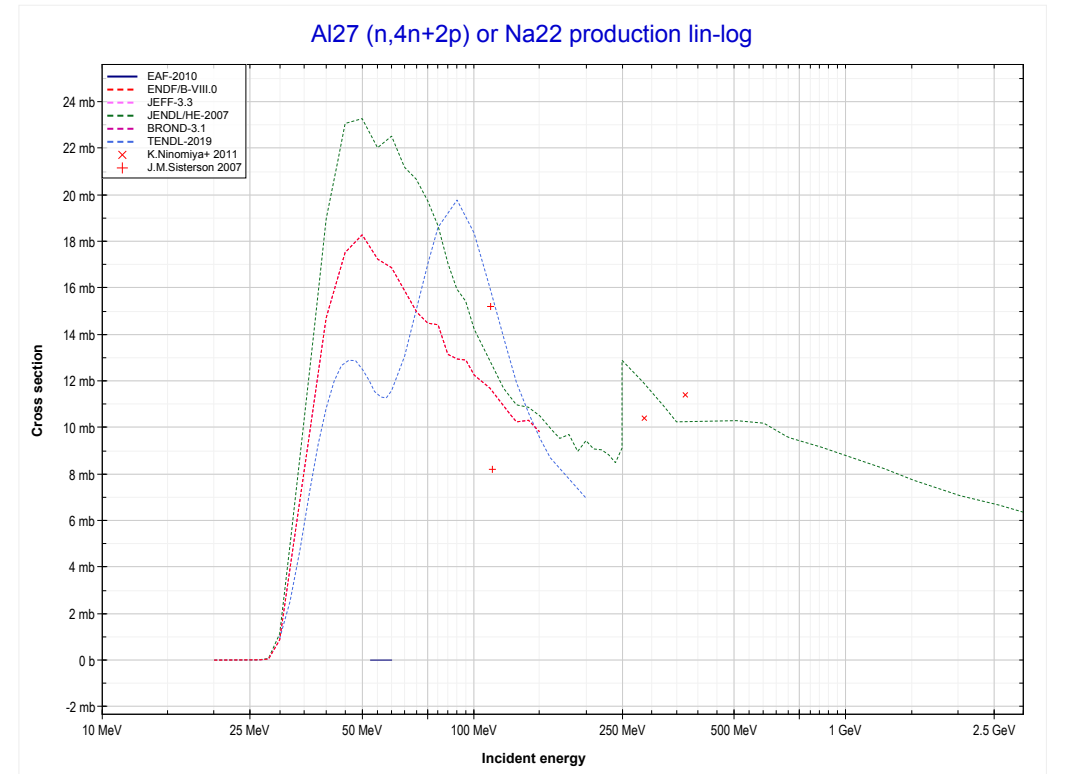
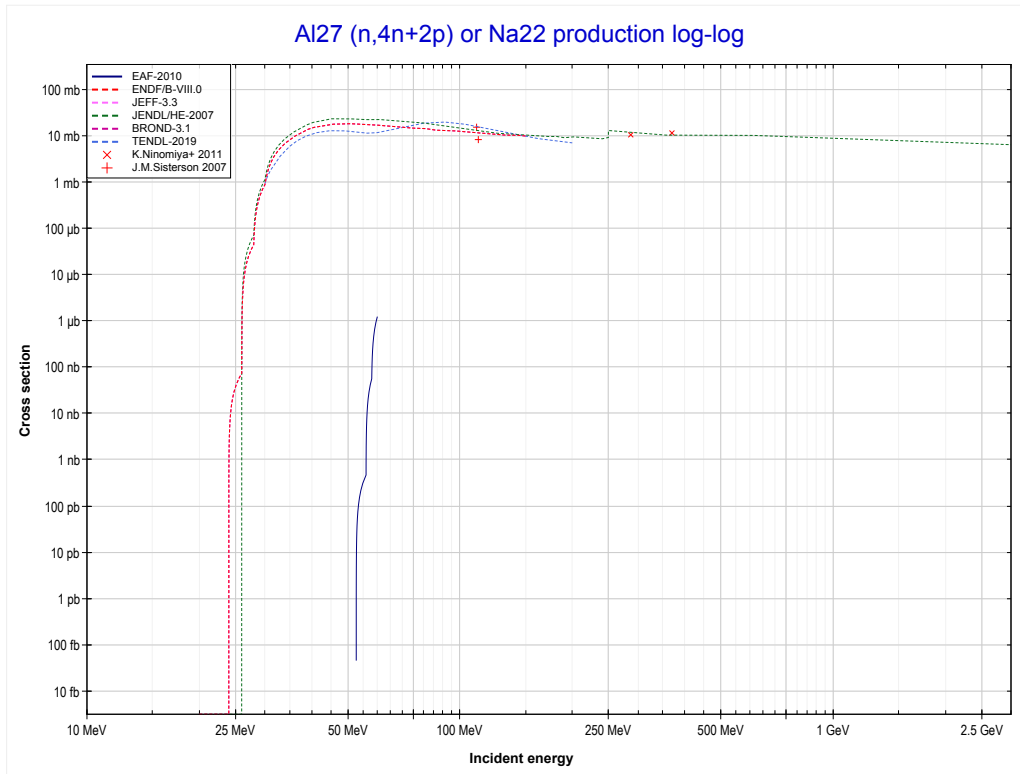
| Reaction | Q-Value |
|--------------------|---------------|
| Al27(n,2n+α)Na22 | -22511.58 keV |
| Al27(n,2t)Na22 | -33843.65 keV |
| Al27(n,n+d+t)Na22 | -40100.88 keV |
| Al27(n,2n+p+t)Na22 | -42325.45 keV |
| Al27(n,3n+He3)Na22 | -43089.20 keV |
| Al27(n,2n+2d)Na22 | -46358.11 keV |
| Al27(n,3n+p+d)Na22 | -48582.68 keV |
| Al27(n,4n+2p)Na22 | -50807.24 keV |

| | | |
|---------------------------------|---|---------------------------------|
| | 13-Al-27 | 23-V-51 >> |
| << MT185 (n,n+d+t) | MT190 (n,2n+2p) or MT5 (Na24 production) | MT194 (n,4n+2p) >> |



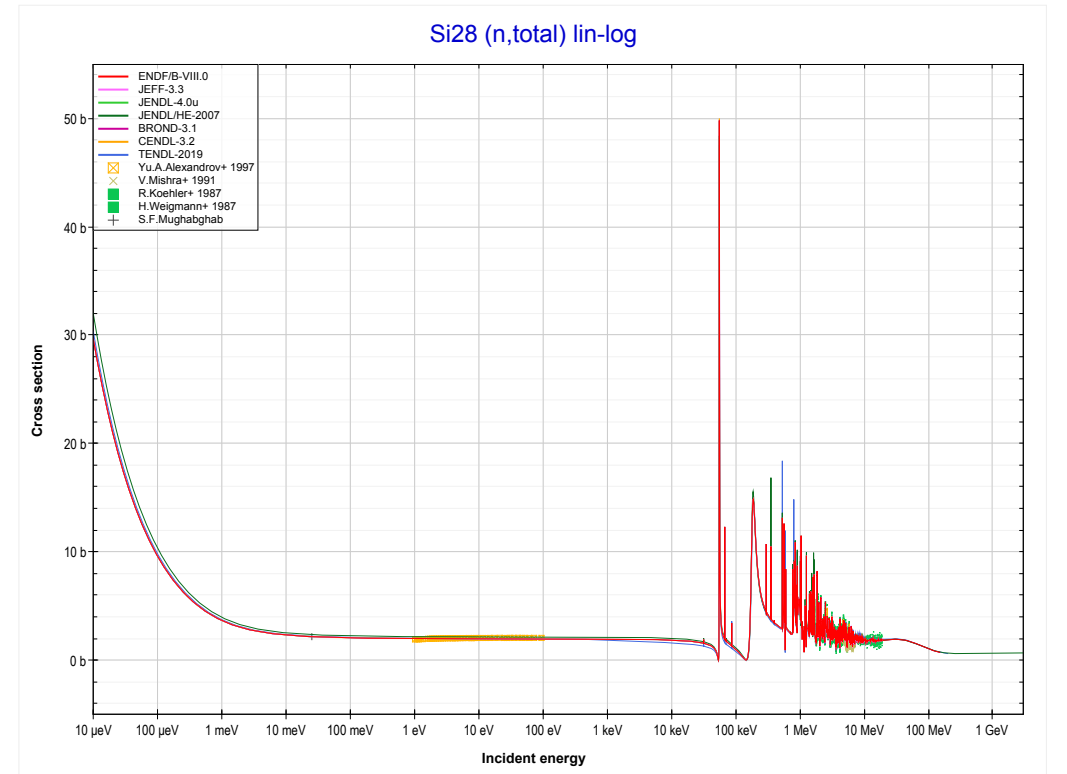
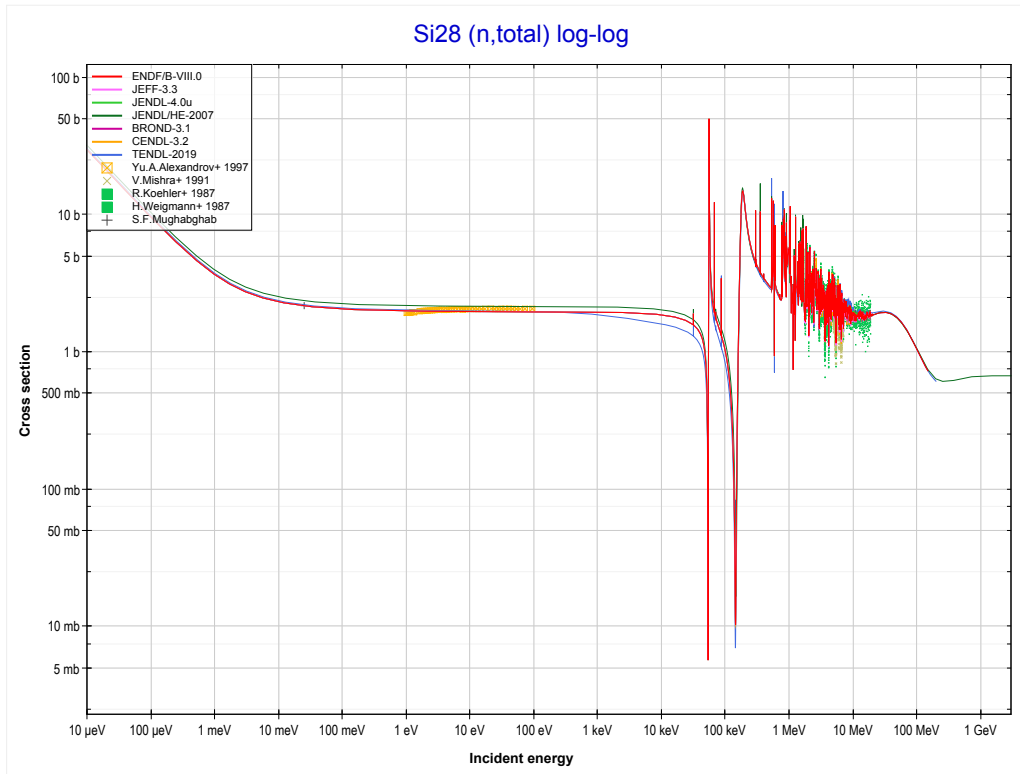
| Reaction | Q-Value |
|------------------------|---------------|
| Al27(n, α)Na24 | -3132.56 keV |
| Al27(n,p+t)Na24 | -22946.42 keV |
| Al27(n,n+He3)Na24 | -23710.18 keV |
| Al27(n,2d)Na24 | -26979.09 keV |
| Al27(n,n+p+d)Na24 | -29203.65 keV |
| Al27(n,2n+2p)Na24 | -31428.22 keV |

| | | |
|--------------------|---|---------------------------|
| << 8-O-16 | 13-Al-27 | 23-V-51 >> |
| << MT190 (n,2n+2p) | MT194 (n,4n+2p) or MT5 (Na22 production) | 14-Si-28 MT1 (n,total) >> |



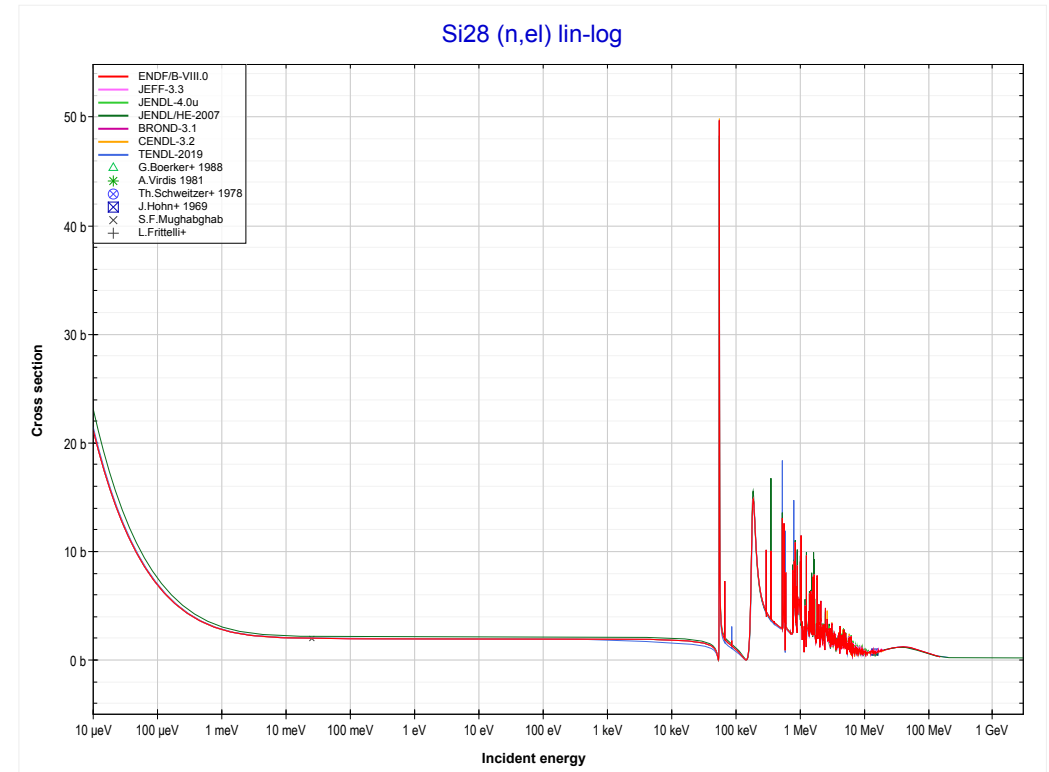
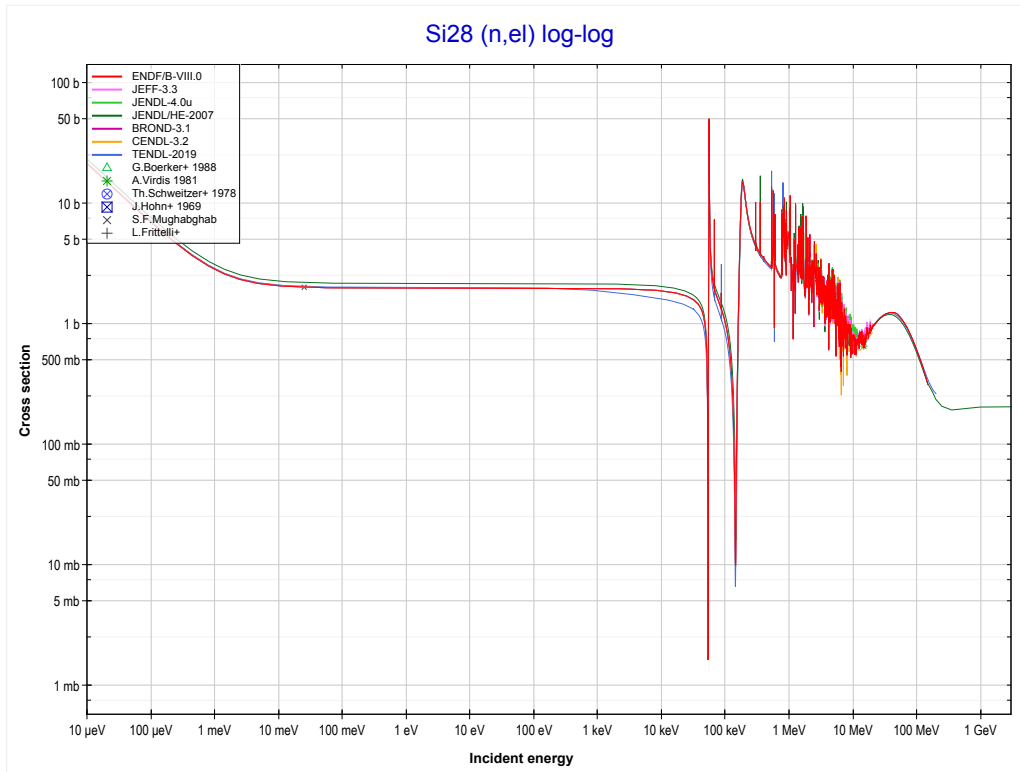
| Reaction | Q-Value |
|--------------------|---------------|
| Al27(n,2n+α)Na22 | -22511.58 keV |
| Al27(n,2t)Na22 | -33843.65 keV |
| Al27(n,n+d+t)Na22 | -40100.88 keV |
| Al27(n,2n+p+t)Na22 | -42325.45 keV |
| Al27(n,3n+He3)Na22 | -43089.20 keV |
| Al27(n,2n+2d)Na22 | -46358.11 keV |
| Al27(n,3n+p+d)Na22 | -48582.68 keV |
| Al27(n,4n+2p)Na22 | -50807.24 keV |

| | | |
|-----------------------------|----------------------|--------------------|
| << 13-AI-27 | 14-Si-28 | 14-Si-29 >> |
| << 13-AI-27 MT194 (n,4n+2p) | MT1 (n,total) | MT2 (n,elastic) >> |



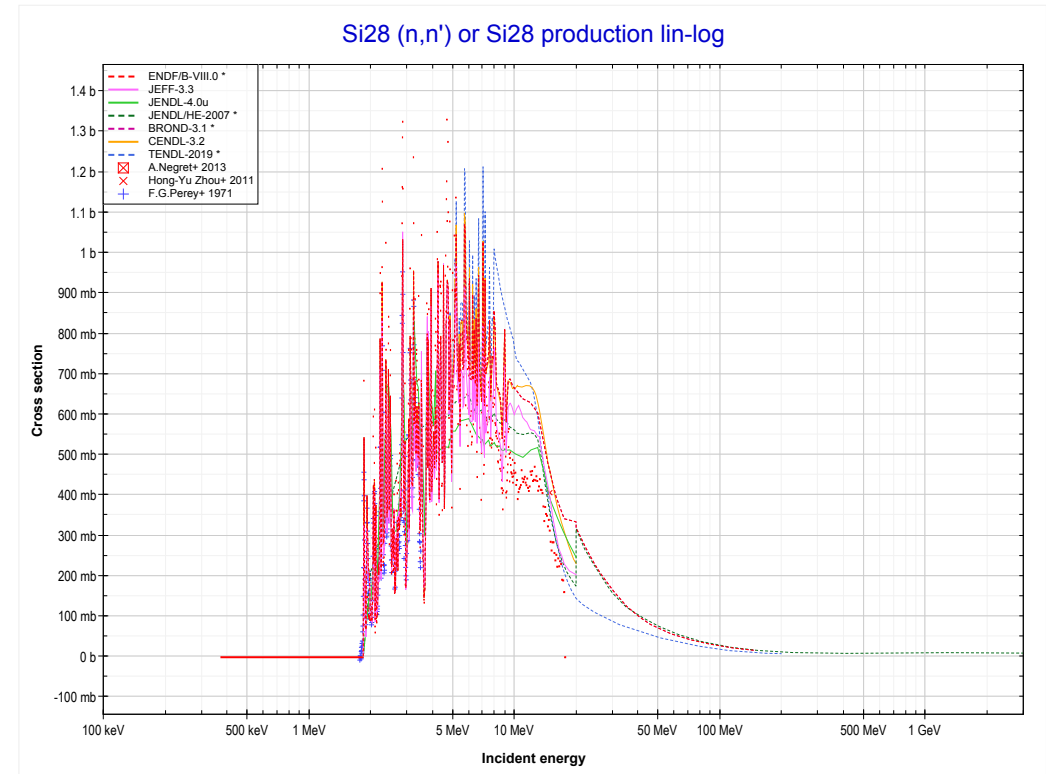
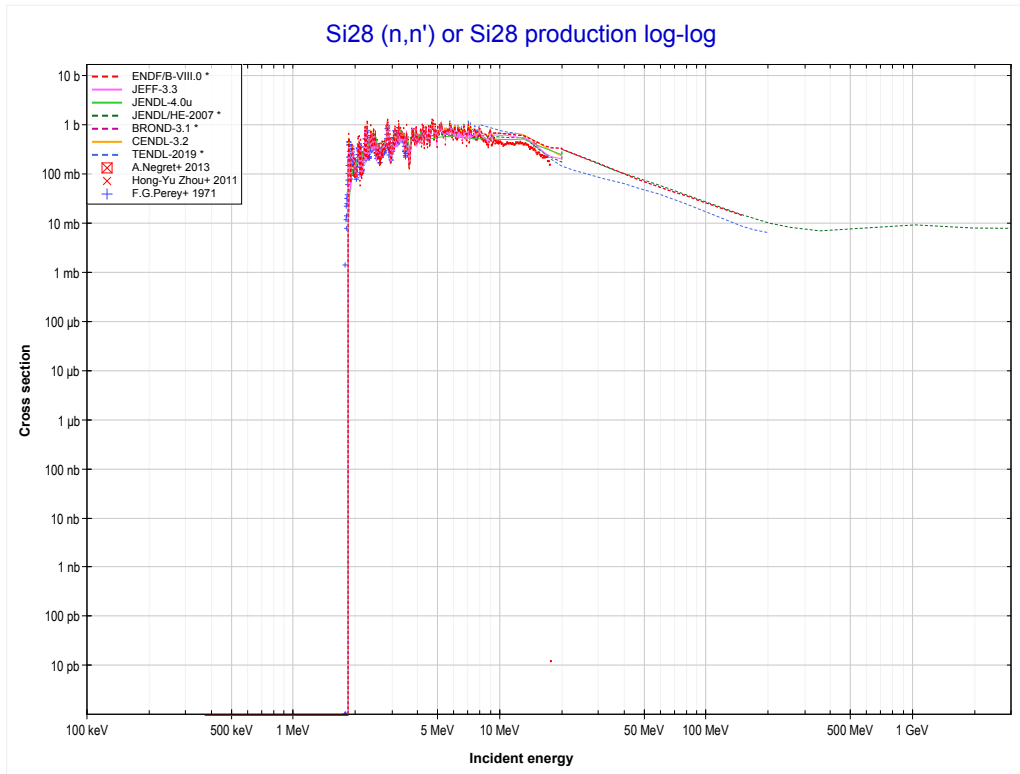
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.16043 b | 2.16043 b | 2.4158 b | 1.1182 | 23.9052 b | 3.19013 b | 1.75456 b |
| JEFF-3.3 | 2.16043 b | 2.16043 b | 2.4158 b | 1.1182 | 23.9052 b | 3.158 b | 1.73039 b |
| JENDL-4.0u | 2.16043 b | 2.16043 b | 2.4158 b | 1.1182 | 23.9052 b | 3.21518 b | 1.755 b |
| JENDL/HE-2007 | 2.3525 b | 2.3525 b | 2.6316 b | 1.11864 | 26.0737 b | 3.25374 b | 1.75193 b |
| BROND-3.1 | 2.16043 b | 2.16043 b | 2.4158 b | 1.1182 | 23.9052 b | 3.19013 b | 1.75456 b |
| CENDL-3.2 | 2.16038 b | 2.16038 b | 2.4158 b | 1.11824 | 23.9095 b | 3.20562 b | 1.7519 b |
| TENDL-2019 | 2.19553 b | 2.19553 b | 2.4545 b | 1.11793 | 22.9355 b | 3.14026 b | 1.81573 b |

| | | |
|------------------|------------------------|---------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



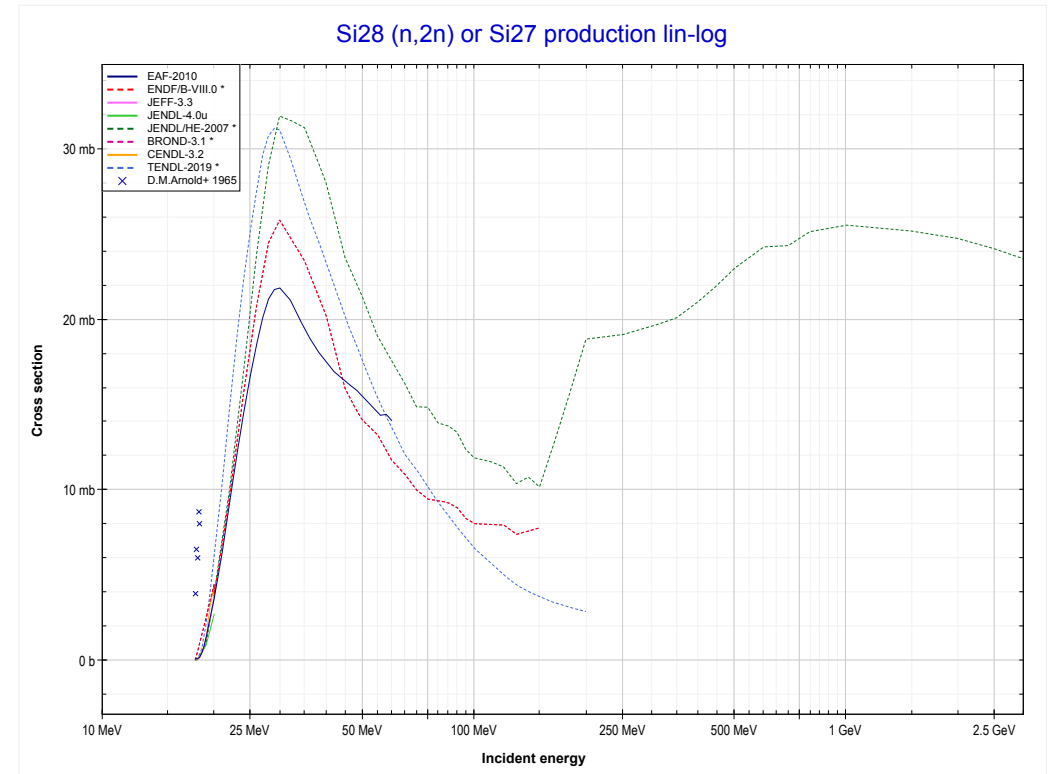
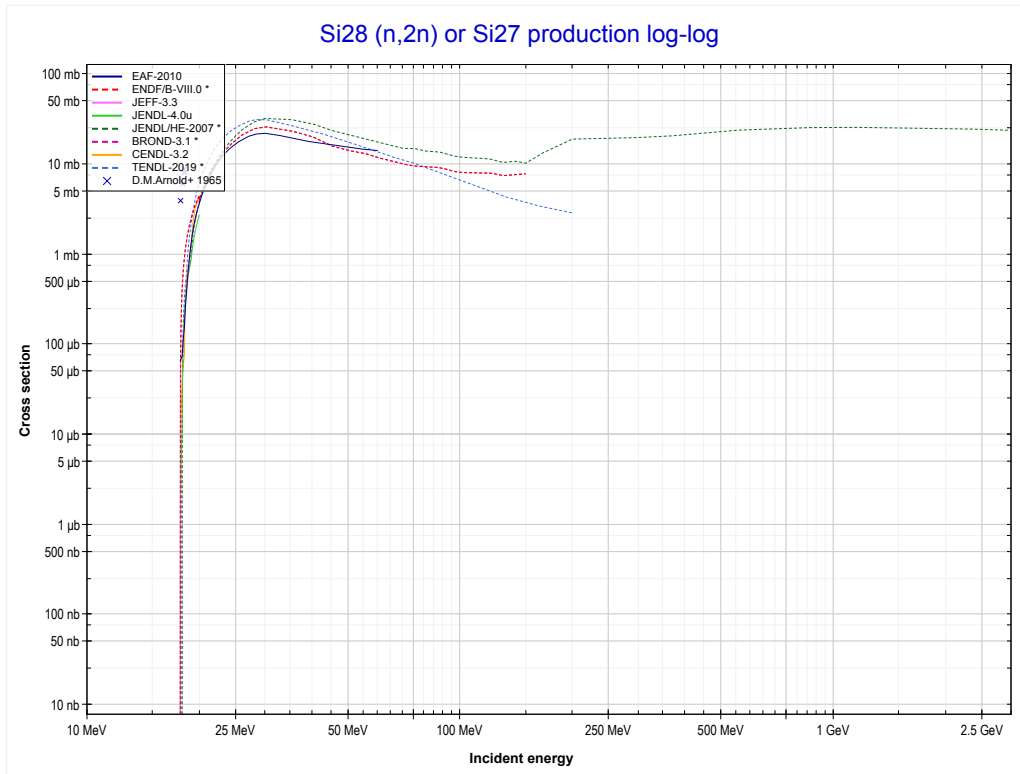
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.99124 b | 1.99124 b | 2.2466 b | 1.12822 | 23.8233 b | 2.97416 b | 0.66193 b |
| JEFF-3.3 | 1.99124 b | 1.99124 b | 2.2466 b | 1.12822 | 23.8233 b | 2.95741 b | 0.69696 b |
| JENDL-4.0u | 1.99124 b | 1.99124 b | 2.2466 b | 1.12822 | 23.8233 b | 3.00469 b | 0.735358 b |
| JENDL/HE-2007 | 2.17568 b | 2.17568 b | 2.4548 b | 1.12827 | 25.9816 b | 3.04598 b | 0.757305 b |
| BROND-3.1 | 1.99124 b | 1.99124 b | 2.2466 b | 1.12822 | 23.8233 b | 2.97416 b | 0.66193 b |
| CENDL-3.2 | 1.99124 b | 1.99124 b | 2.2467 b | 1.12827 | 23.8206 b | 2.98851 b | 0.642511 b |
| TENDL-2019 | 2.01845 b | 2.01845 b | 2.2774 b | 1.12827 | 22.8524 b | 2.9221 b | 0.66193 b |

| | | |
|--------------------|--|----------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Si28 production) | MT16 (n,2n) >> |



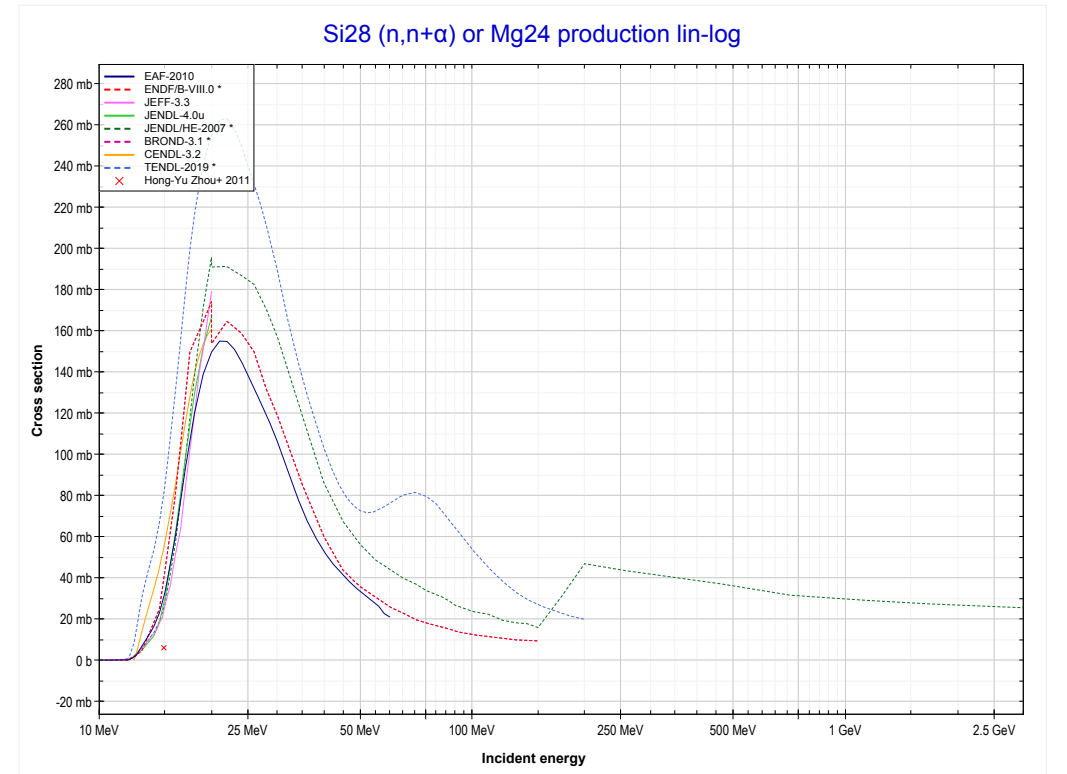
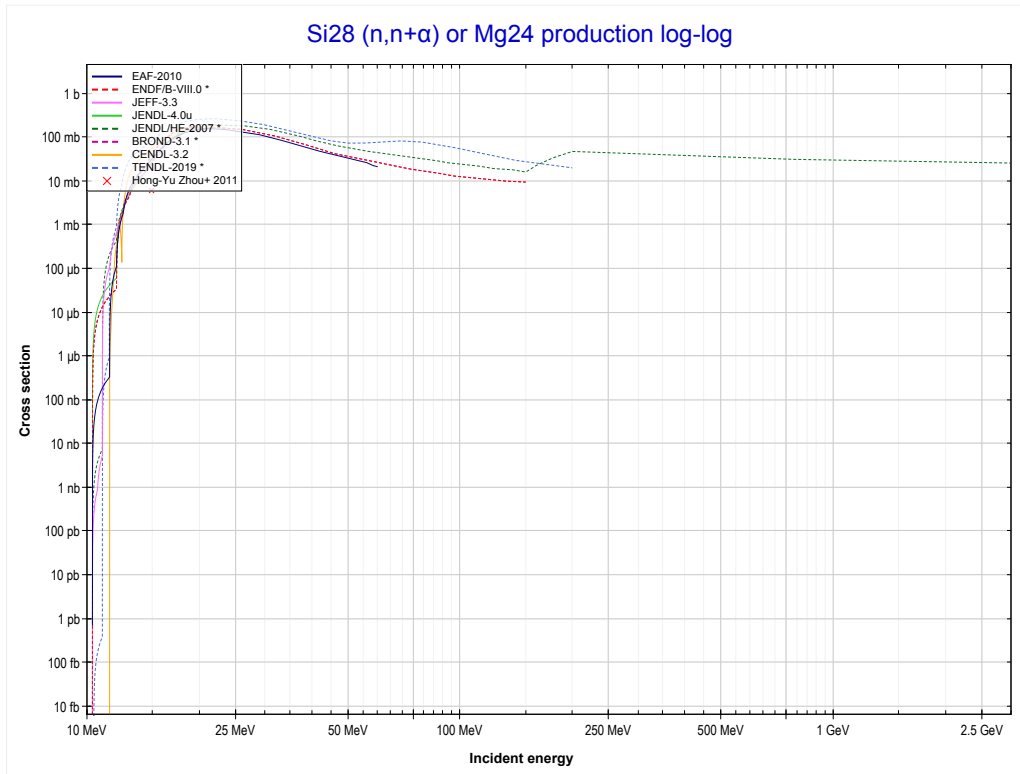
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.203687 b | 0.522371 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.190449 b | 0.468163 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.200048 b | 0.453063 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.197053 b | 0.436453 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.203687 b | 0.522371 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.204791 b | 0.537913 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.20666 b | 0.45916 b |

| | | |
|---------------|---|-----------------|
| << 13-Al-27 | 14-Si-28 | 15-P-31 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Si27 production) | MT22 (n,n+α) >> |



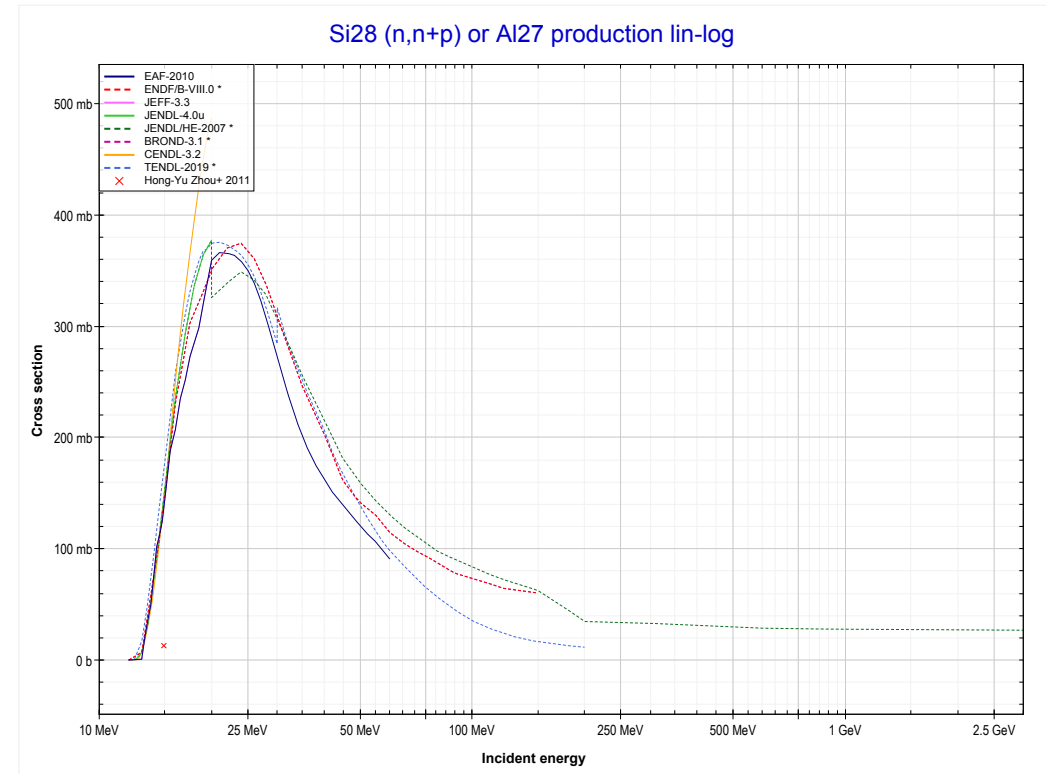
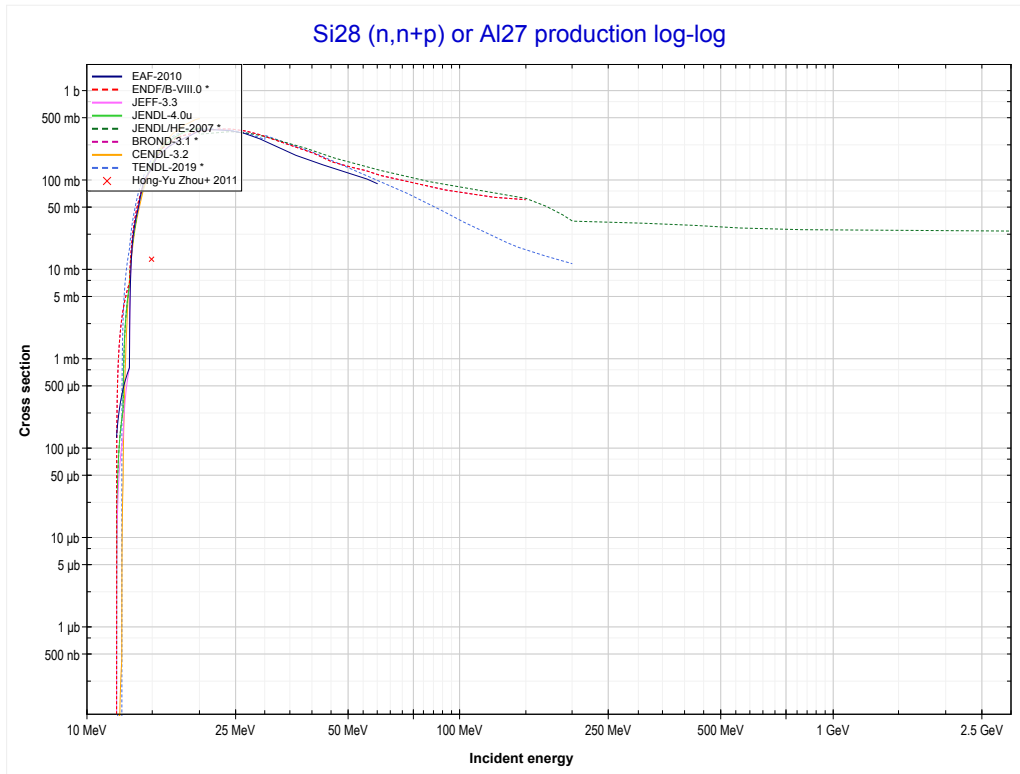
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.50479E-9 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0581E-8 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.54278E-9 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.17638E-9 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17973E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0581E-8 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.33853E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.12965E-9 b | 0 b |

| | | |
|----------------|--|-----------------|
| << 12-Mg-24 | 14-Si-28 | 19-K-39 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Mg24 production) | MT28 (n,n+p) >> |



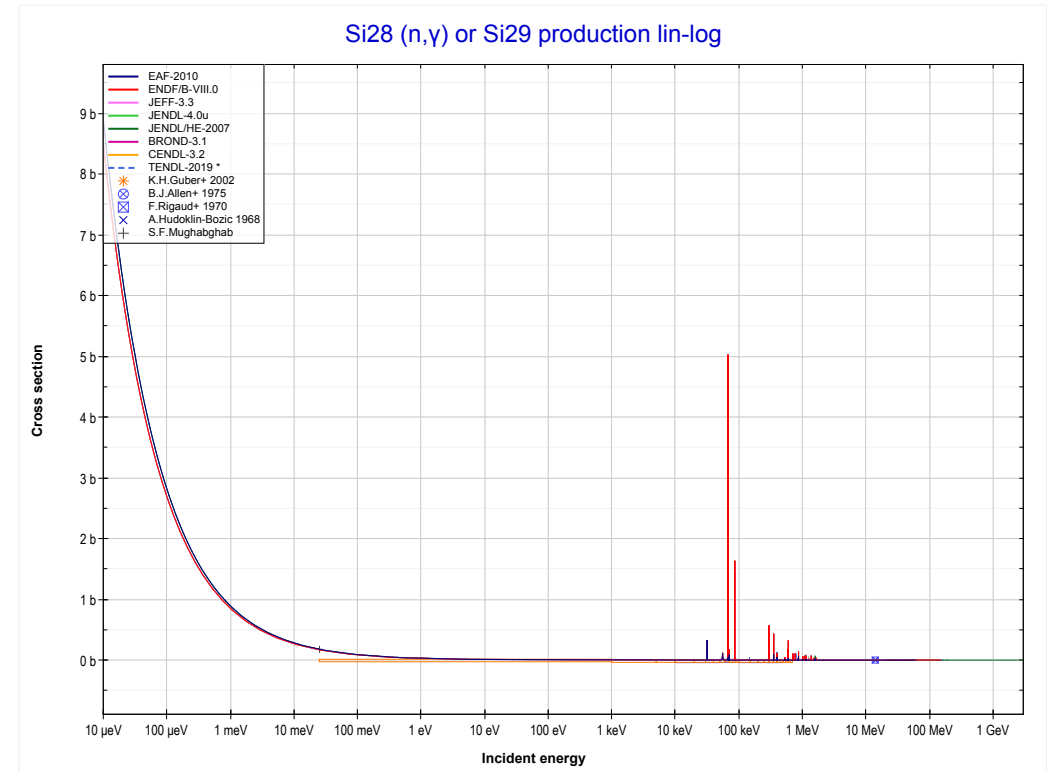
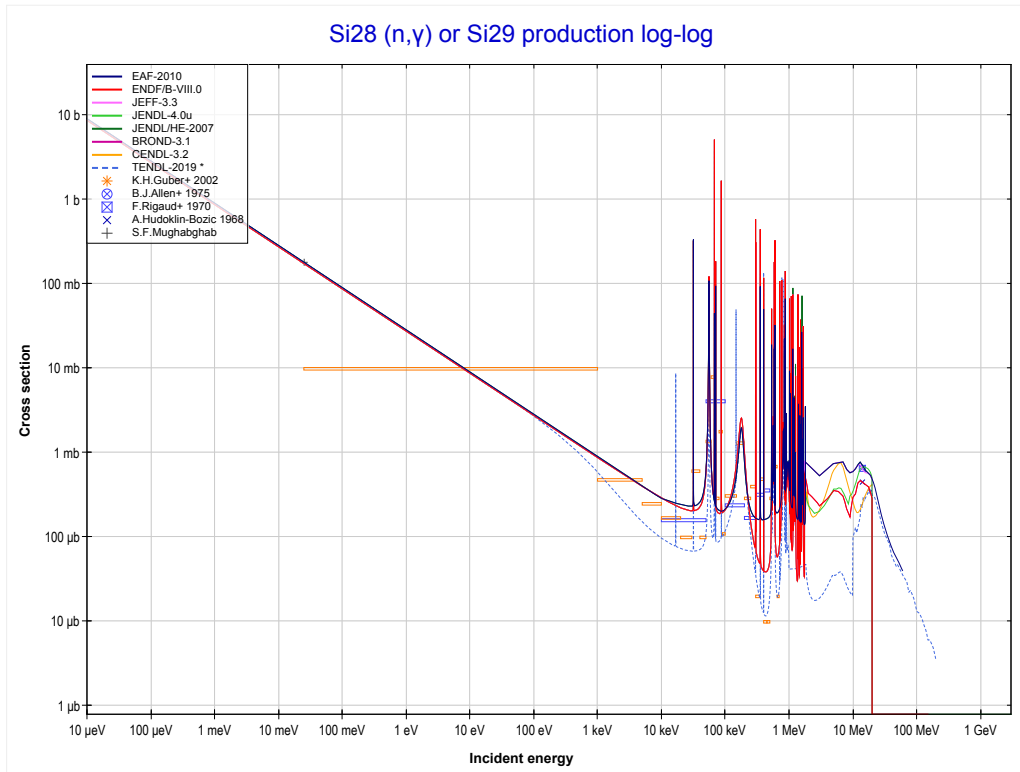
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.54485E-6 b | 0.0181273 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.25582E-6 b | 0.01307 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.65366E-6 b | 0.0115961 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.90583E-6 b | 0.0130985 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.54485E-6 b | 0.0181273 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15957E-5 b | 0.034298 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00258E-5 b | 0.0531658 b |

| | | |
|-----------------|--|----------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Al27 production) | MT102 (n,γ) >> |



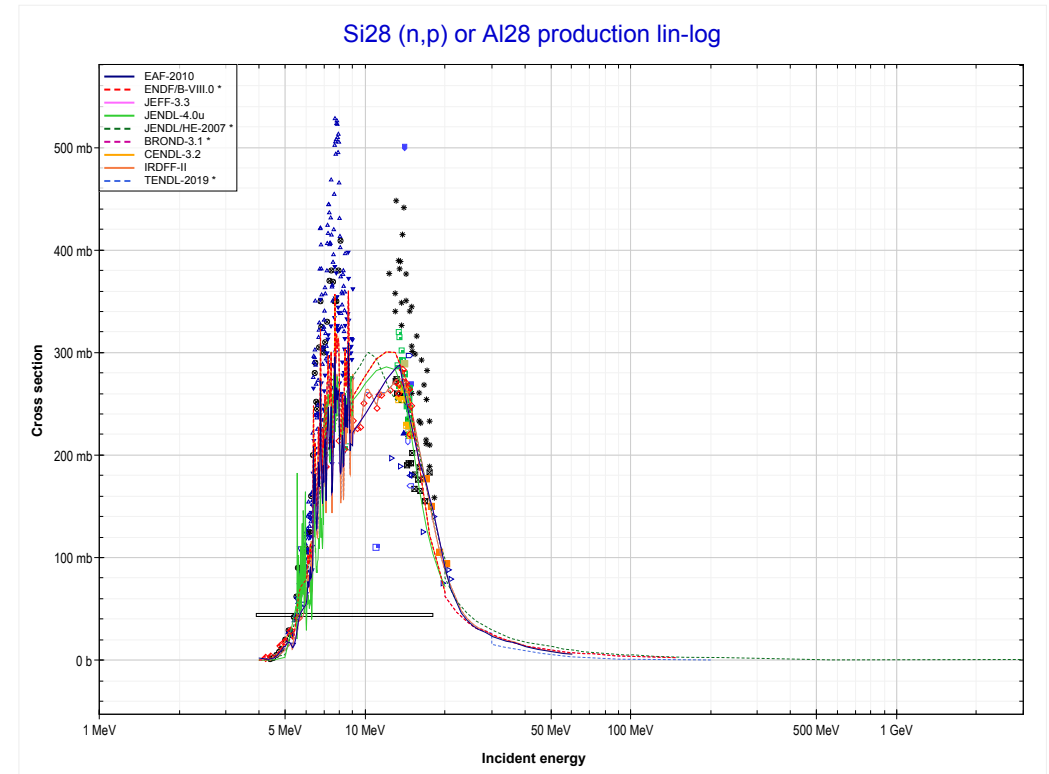
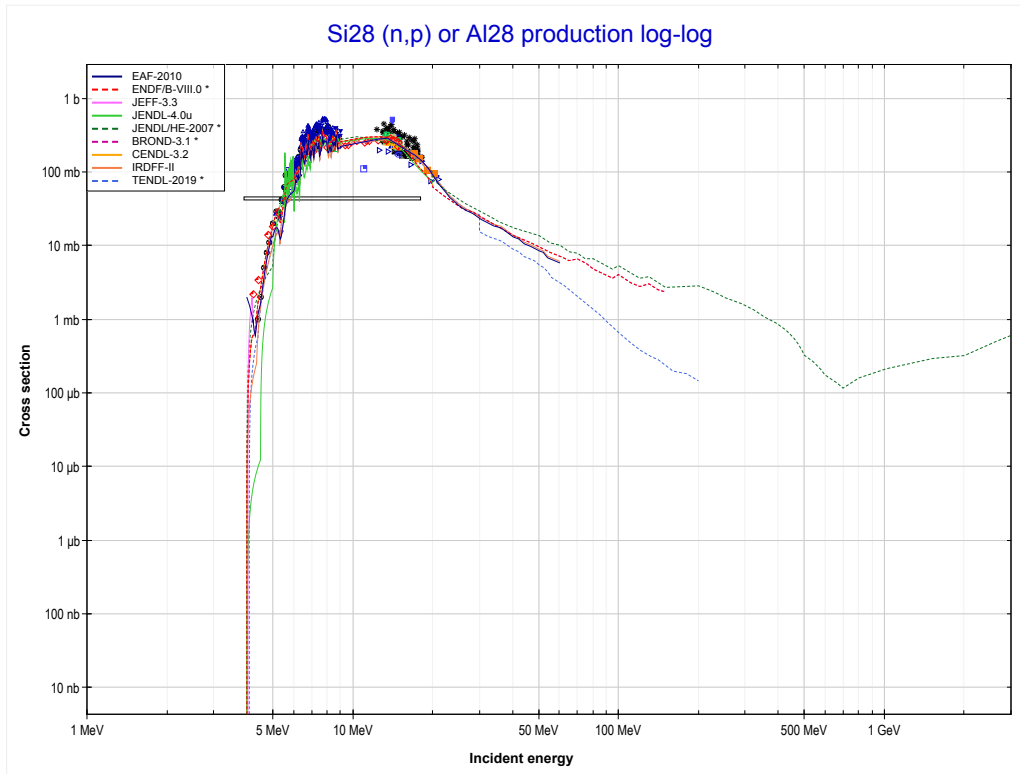
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49005E-5 b | 0.0754318 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28403E-5 b | 0.075266 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.44498E-5 b | 0.0712701 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44498E-5 b | 0.0712701 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49005E-5 b | 0.0754318 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48365E-5 b | 0.063122 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98761E-5 b | 0.0946012 b |

| | | |
|-----------------|---|----------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Si29 production) | MT103 (n,p) >> |



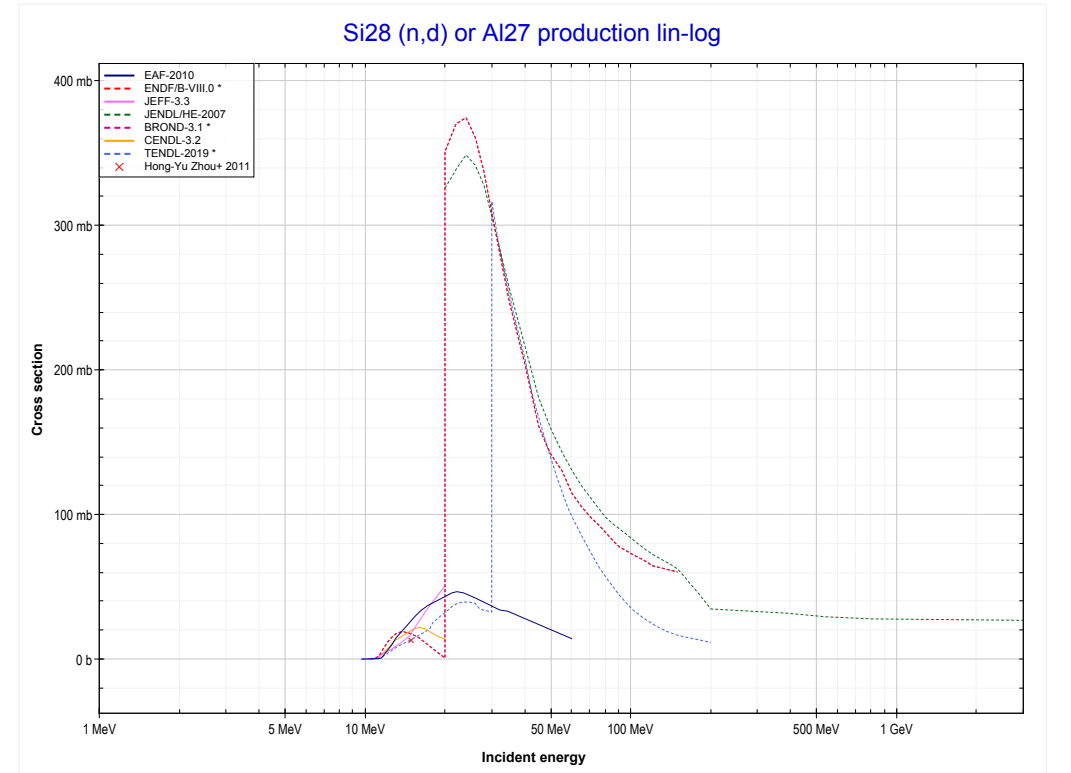
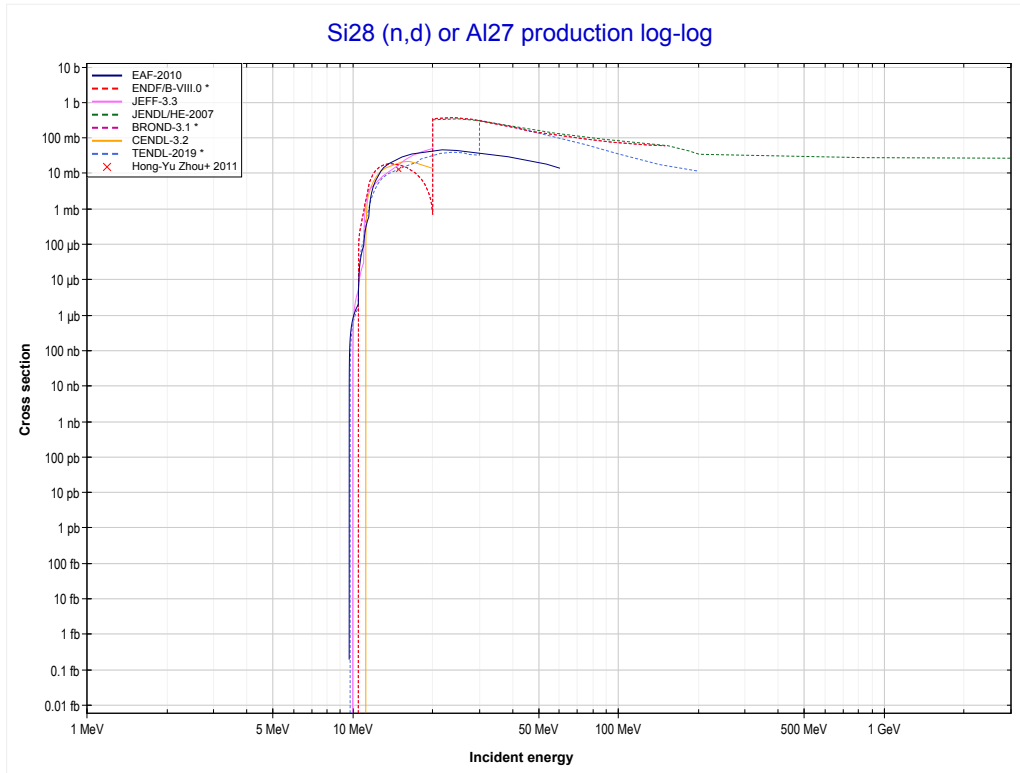
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.177 b | 0.17688 b | 0.1772 b | 1.00191 | 0.0820036 b | 5.75702E-4 b | 7.0554E-4 b |
| ENDF/B-VIII.0 | 0.169192 b | 0.169192 b | 0.16925 b | 1.00033 | 0.0818469 b | 5.34448E-4 b | 4.4E-4 b |
| JEFF-3.3 | 0.169192 b | 0.169192 b | 0.16925 b | 1.00033 | 0.0818469 b | 6.9153E-4 b | 6.3023E-4 b |
| JENDL-4.0u | 0.169192 b | 0.169192 b | 0.16925 b | 1.00033 | 0.081847 b | 5.10707E-4 b | 6.631E-4 b |
| JENDL/HE-2007 | 0.176815 b | 0.176815 b | 0.17682 b | 1.00004 | 0.0818204 b | 5.74458E-4 b | 7.05539E-4 b |
| BROND-3.1 | 0.169192 b | 0.169192 b | 0.16925 b | 1.00033 | 0.0818469 b | 5.34448E-4 b | 4.4E-4 b |
| CENDL-3.2 | 0.169132 b | 0.169132 b | 0.16914 b | 1.00007 | 0.0816997 b | 5.39226E-4 b | 2.3973E-4 b |
| TENDL-2019 | 0.177082 b | 0.177082 b | 0.17709 b | 1.00006 | 0.0802352 b | 1.77281E-4 b | 2.19748E-4 b |

| | | |
|-------------------------|---|----------------|
| << 13-AI-27 | 14-Si-28 | 14-Si-29 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Al28 production) | MT104 (n,d) >> |



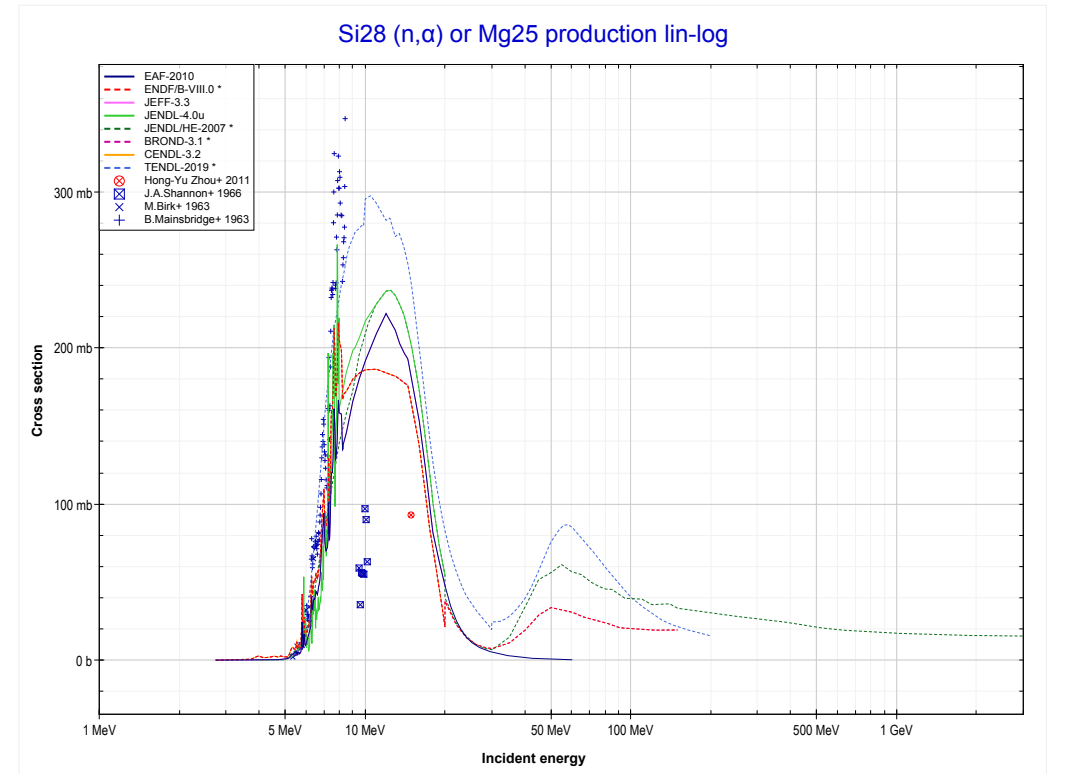
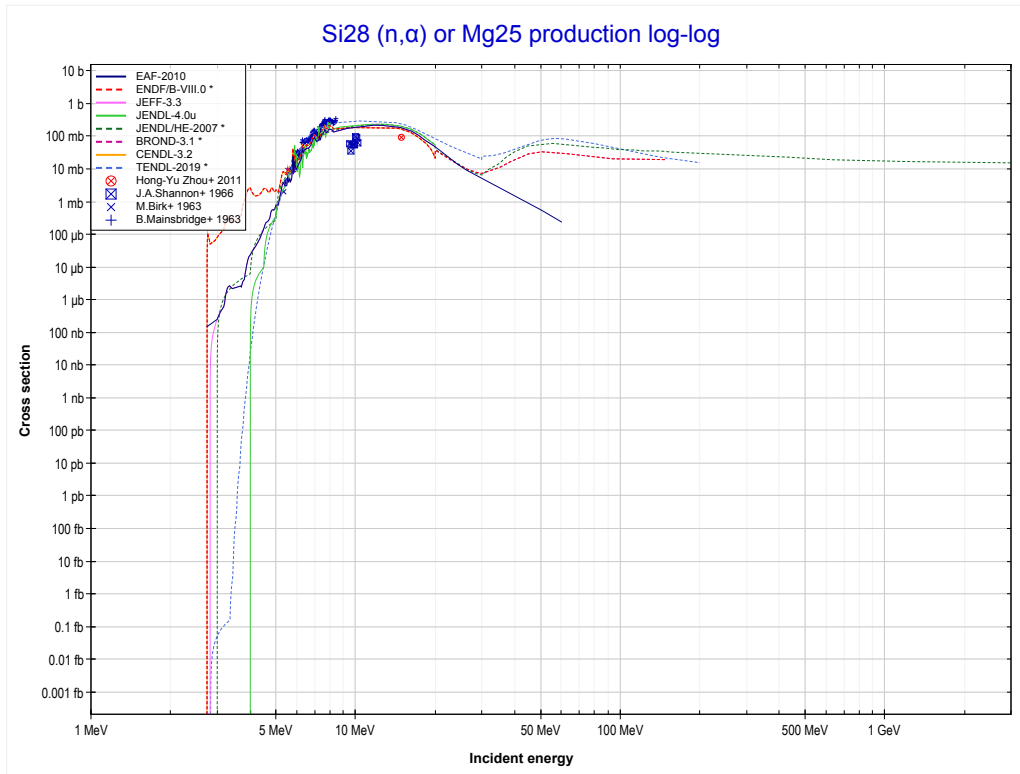
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00648327 b | 0.26618 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00801685 b | 0.279414 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00649022 b | 0.266184 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00670581 b | 0.2616 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00695825 b | 0.251648 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00801685 b | 0.279414 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00801687 b | 0.279414 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00630145 b | 0.27064 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00629658 b | 0.2708 b |

| | | |
|----------------|---|-------------------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Al27 production) | MT107 (n, α) >> |



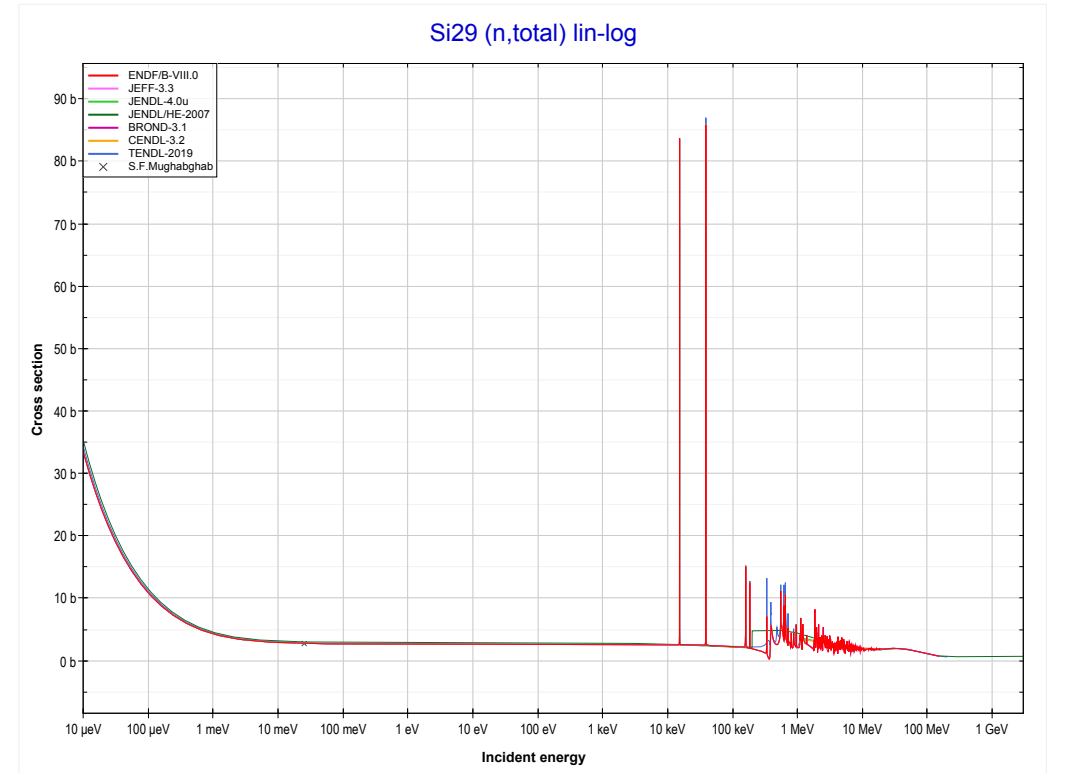
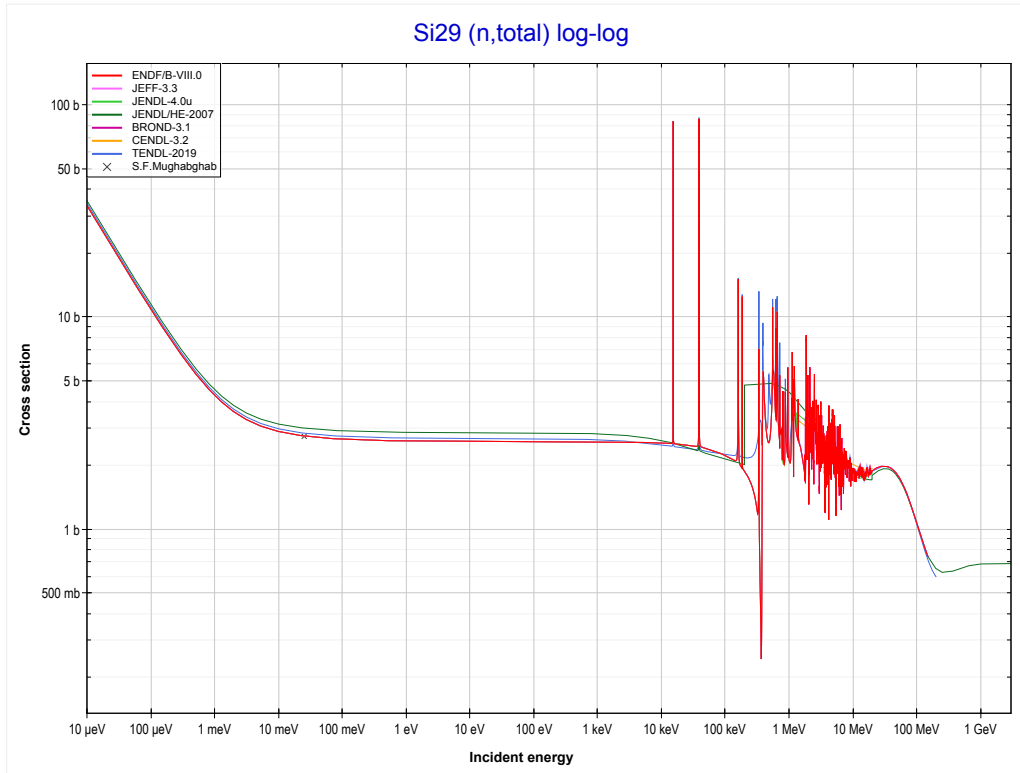
| Reaction | Q-Value |
|-----------------|---------------|
| Si28(n,d)Al27 | -9360.34 keV |
| Si28(n,n+p)Al27 | -11584.90 keV |

| | | |
|----------------|---|---------------------------|
| << 13-Al-27 | 14-Si-28 | 14-Si-29 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mg25 production) | 14-Si-29 MT1 (n,total) >> |



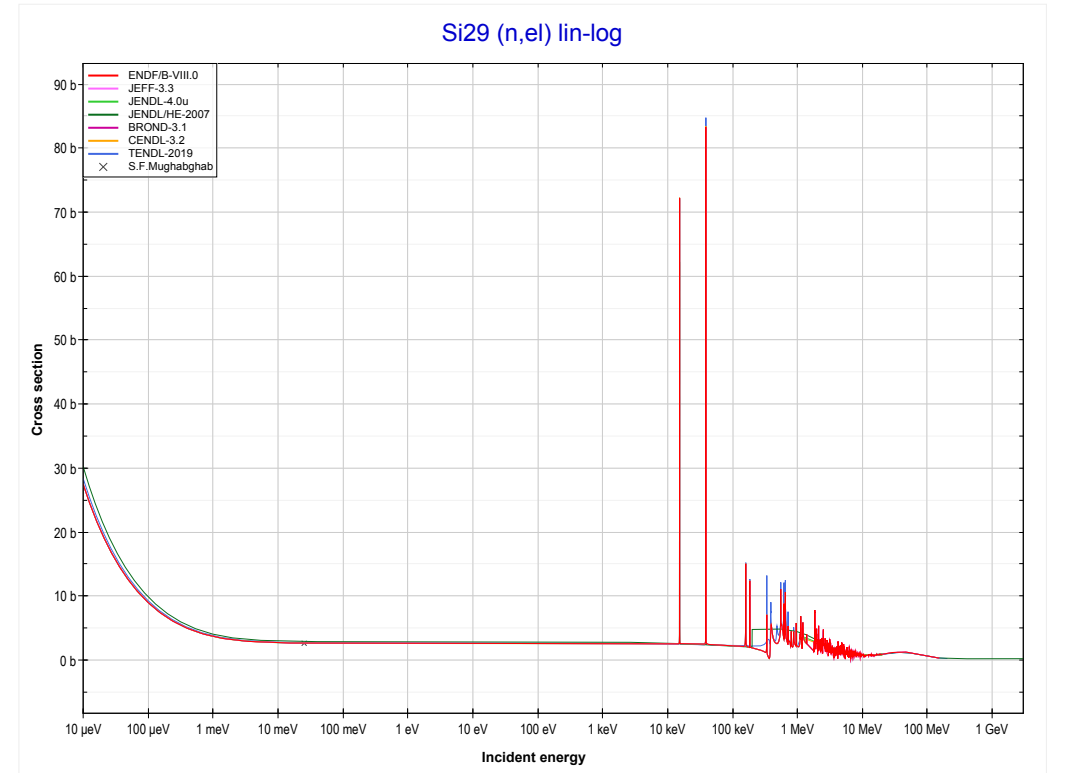
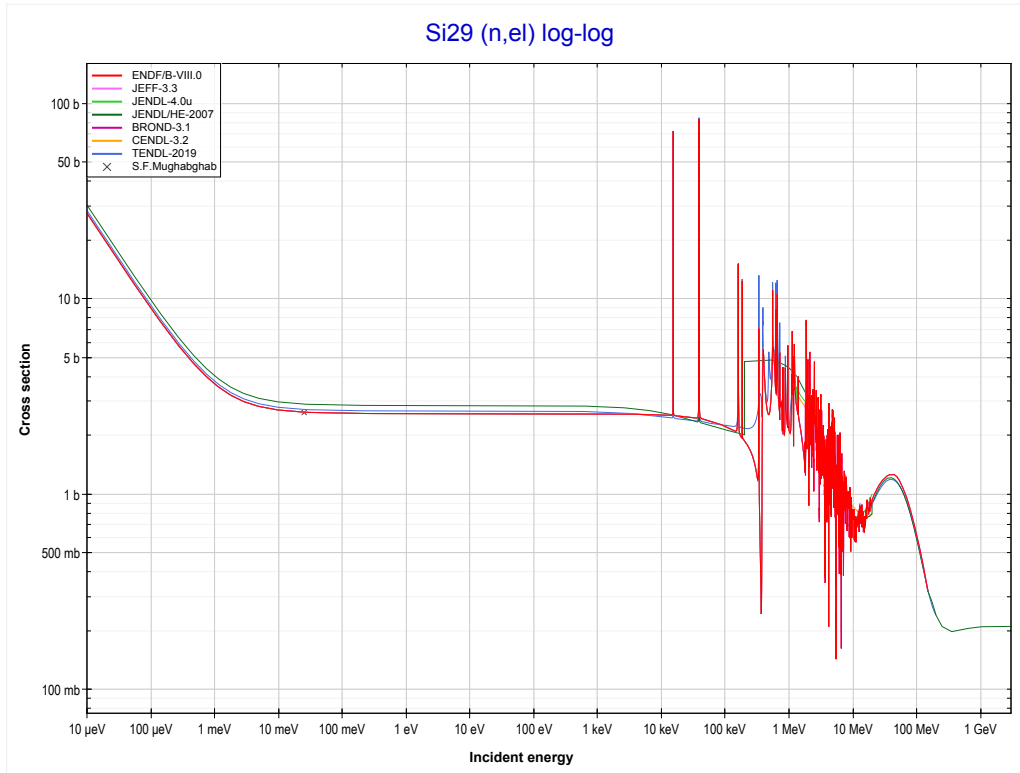
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00292355 b | 0.19712 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00369191 b | 0.177967 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00292354 b | 0.197116 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0031941 b | 0.22145 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00309937 b | 0.22145 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00369191 b | 0.177967 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00369192 b | 0.177967 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00494681 b | 0.264956 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << 14-Si-28 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



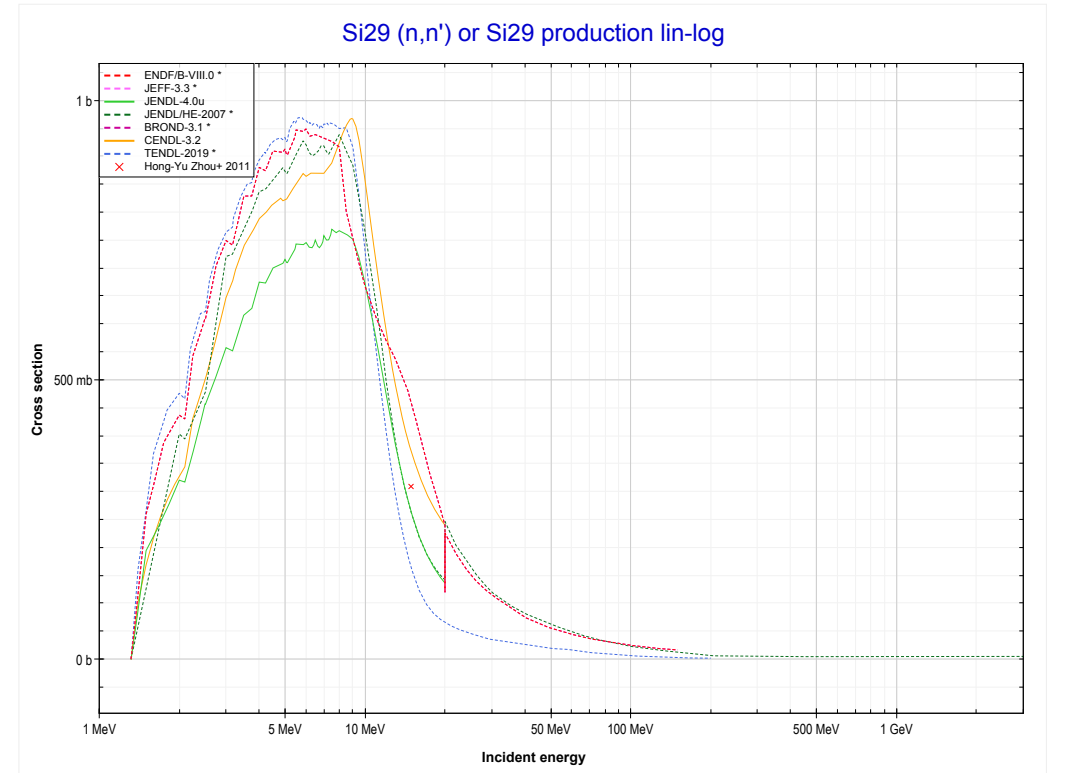
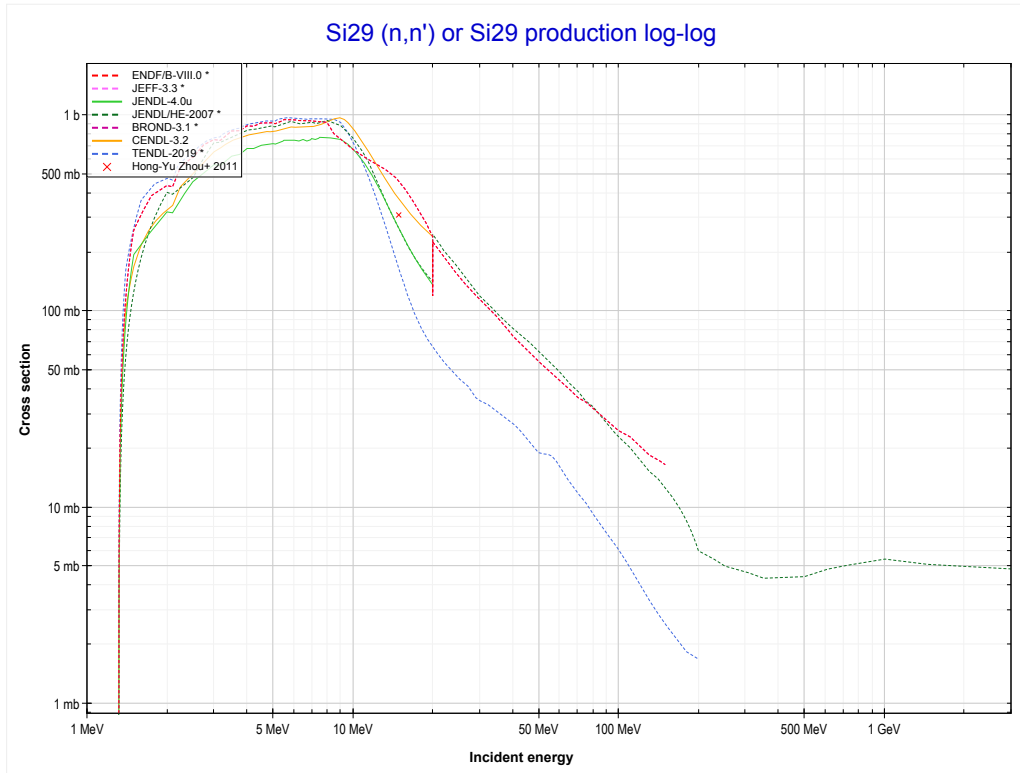
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.74911 b | 2.74911 b | 3.0863 b | 1.12265 | 31.6355 b | 2.69849 b | 1.75456 b |
| JEFF-3.3 | 2.74911 b | 2.74911 b | 3.0863 b | 1.12265 | 31.6355 b | 2.69849 b | 1.75456 b |
| JENDL-4.0u | 2.74911 b | 2.74911 b | 3.0863 b | 1.12265 | 31.6355 b | 2.88171 b | 1.74 b |
| JENDL/HE-2007 | 2.99397 b | 2.99397 b | 3.3652 b | 1.12399 | 33.6359 b | 3.62069 b | 1.75709 b |
| BROND-3.1 | 2.74911 b | 2.74911 b | 3.0863 b | 1.12265 | 31.6355 b | 2.69849 b | 1.75456 b |
| CENDL-3.2 | 2.74907 b | 2.74907 b | 3.0864 b | 1.12269 | 31.6532 b | 2.82456 b | 1.9186 b |
| TENDL-2019 | 2.8333 b | 2.8333 b | 3.1815 b | 1.12291 | 32.1783 b | 2.91838 b | 1.77308 b |

| | | |
|------------------|------------------------|---------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



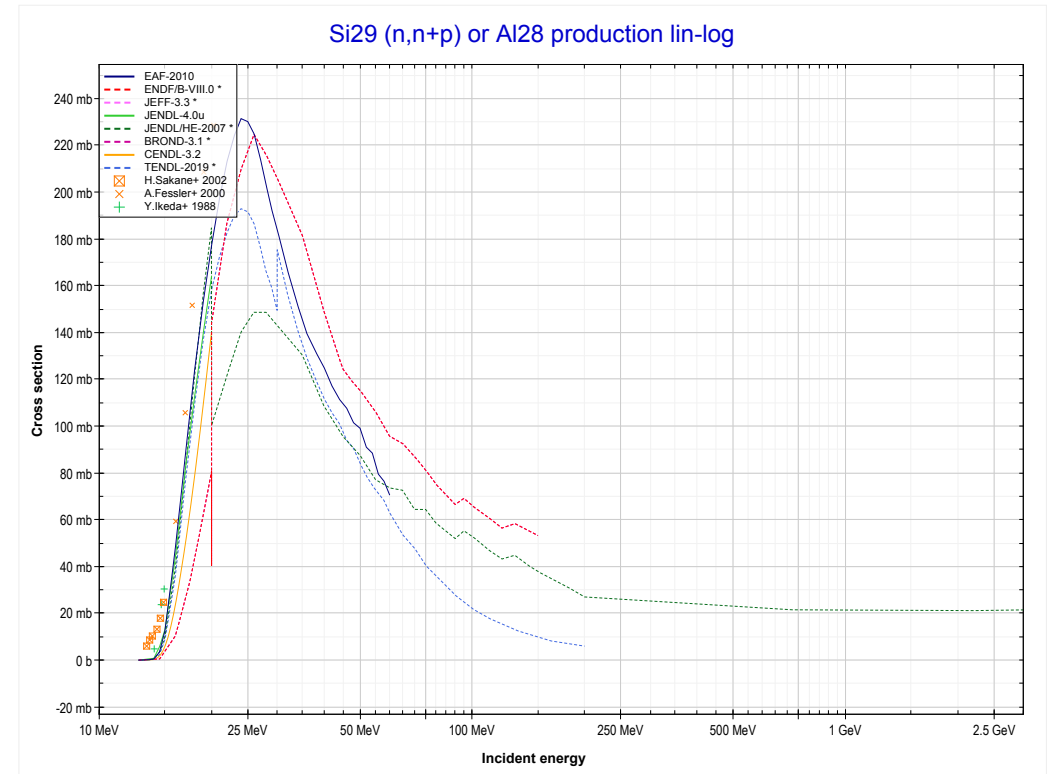
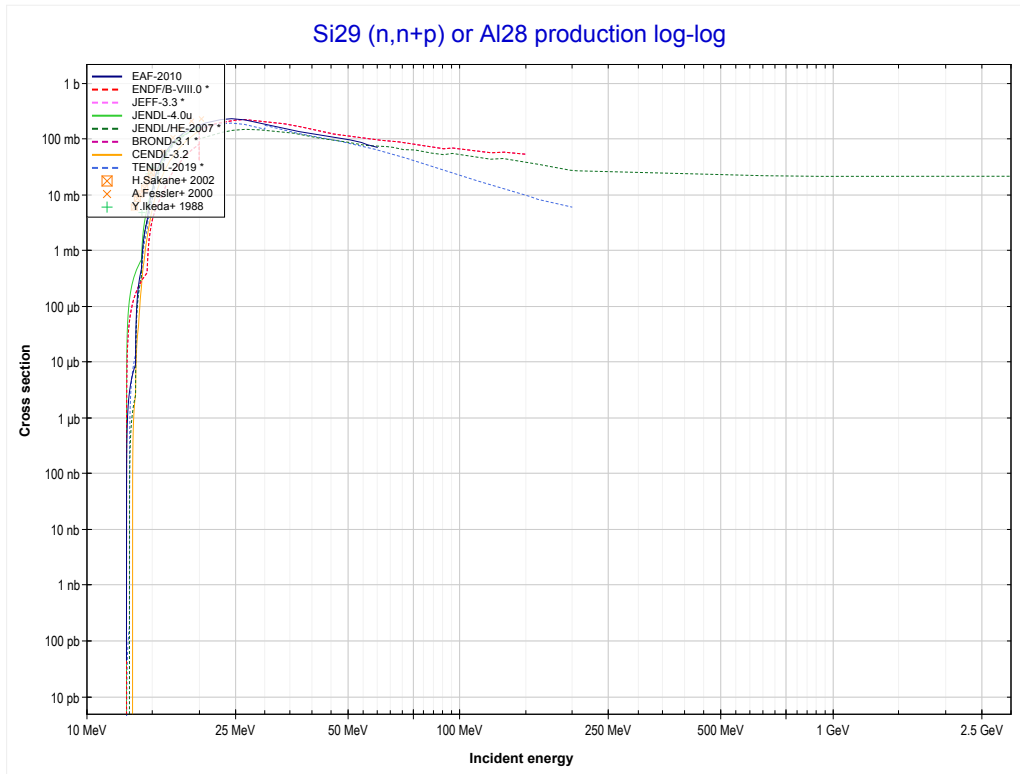
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.62911 b | 2.62911 b | 2.9662 b | 1.12823 | 31.5532 b | 2.34103 b | 0.67999 b |
| JEFF-3.3 | 2.62911 b | 2.62911 b | 2.9662 b | 1.12823 | 31.5532 b | 2.34103 b | 0.67999 b |
| JENDL-4.0u | 2.62911 b | 2.62911 b | 2.9662 b | 1.12823 | 31.5532 b | 2.61081 b | 0.776953 b |
| JENDL/HE-2007 | 2.89238 b | 2.89238 b | 3.2634 b | 1.12829 | 33.5701 b | 3.30269 b | 0.771304 b |
| BROND-3.1 | 2.62911 b | 2.62911 b | 2.9662 b | 1.12823 | 31.5532 b | 2.34103 b | 0.67999 b |
| CENDL-3.2 | 2.62911 b | 2.62911 b | 2.9664 b | 1.12829 | 31.5683 b | 2.51929 b | 0.777918 b |
| TENDL-2019 | 2.71442 b | 2.71442 b | 3.0626 b | 1.12829 | 32.0959 b | 2.54429 b | 0.67999 b |

| | | |
|--------------------|--|-----------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Si29 production) | MT28 (n,n+p) >> |



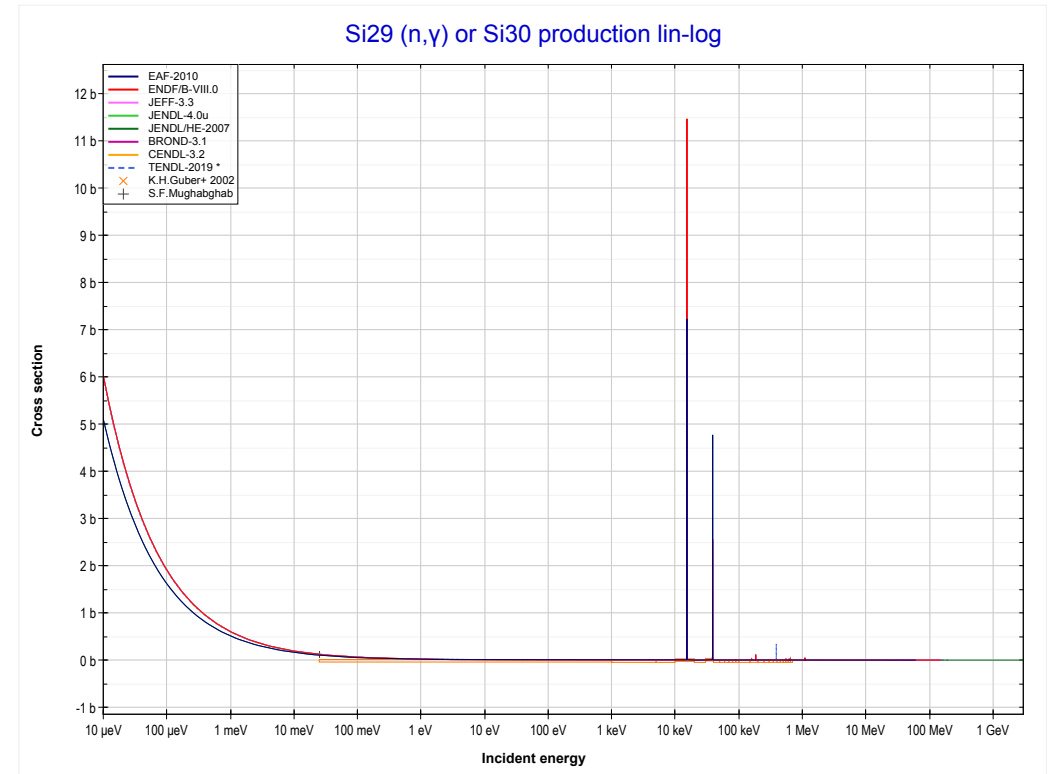
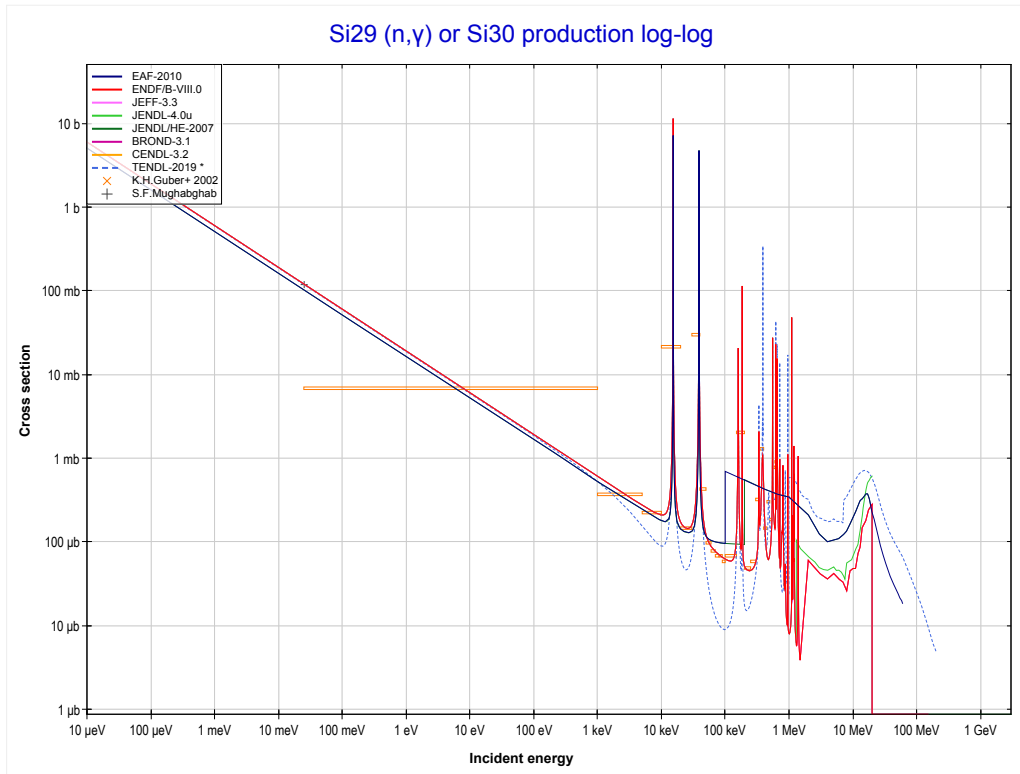
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.346214 b | 0.499492 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.346214 b | 0.499492 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.258639 b | 0.313496 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.306736 b | 0.311846 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.346214 b | 0.499492 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.295579 b | 0.41981 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.363837 b | 0.21599 b |

| | | |
|---------------|--|-------------------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Al28 production) | MT102 (n, γ) >> |



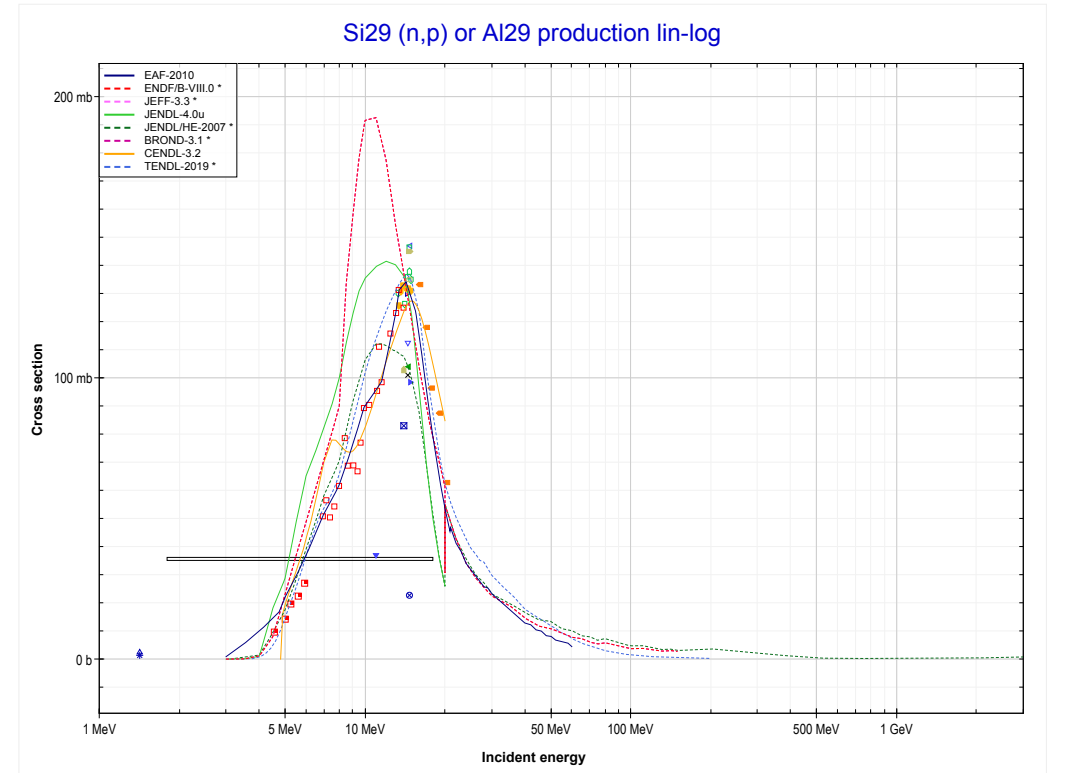
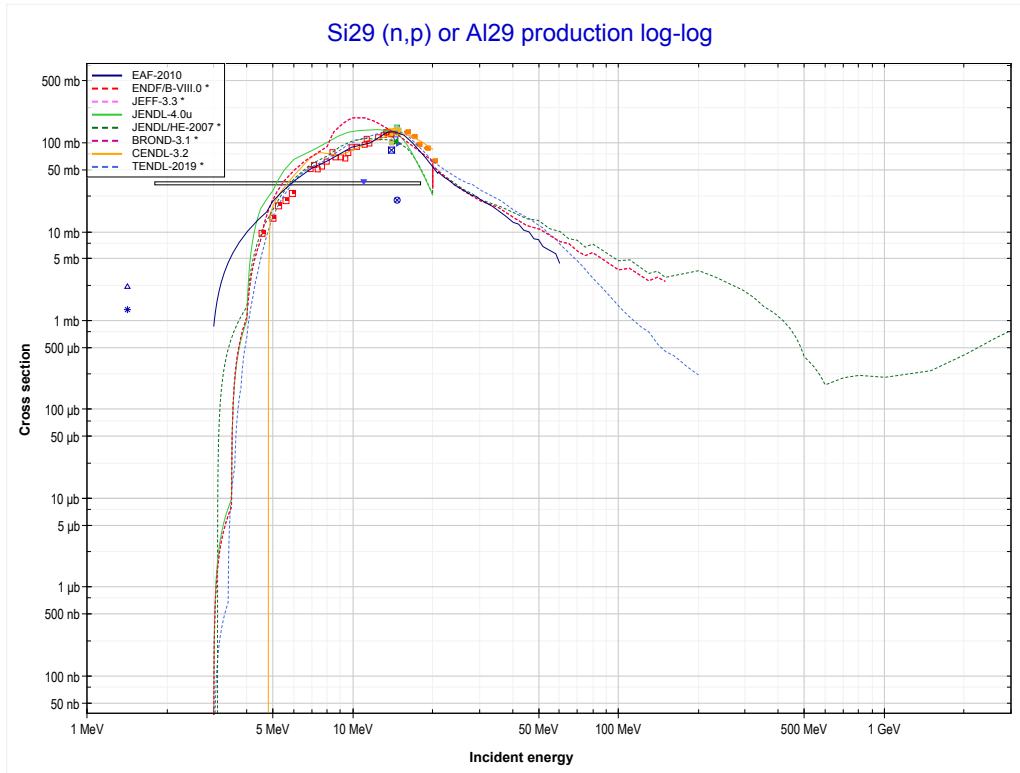
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07448E-6 b | 2.8538E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07448E-6 b | 2.8538E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.45059E-6 b | 6.8583E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25077E-6 b | 3.49863E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07448E-6 b | 2.8538E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.9864E-6 b | 2.2185E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92286E-6 b | 3.39946E-4 b |

| | | |
|-----------------|---|----------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Si30 production) | MT103 (n,p) >> |



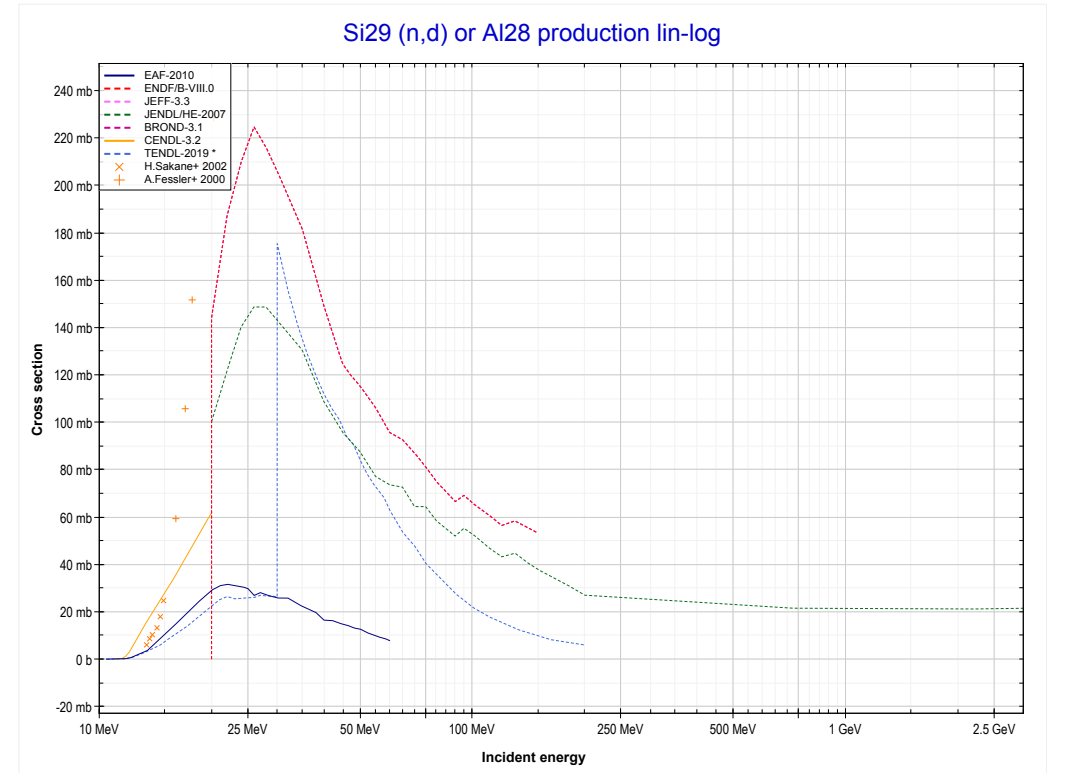
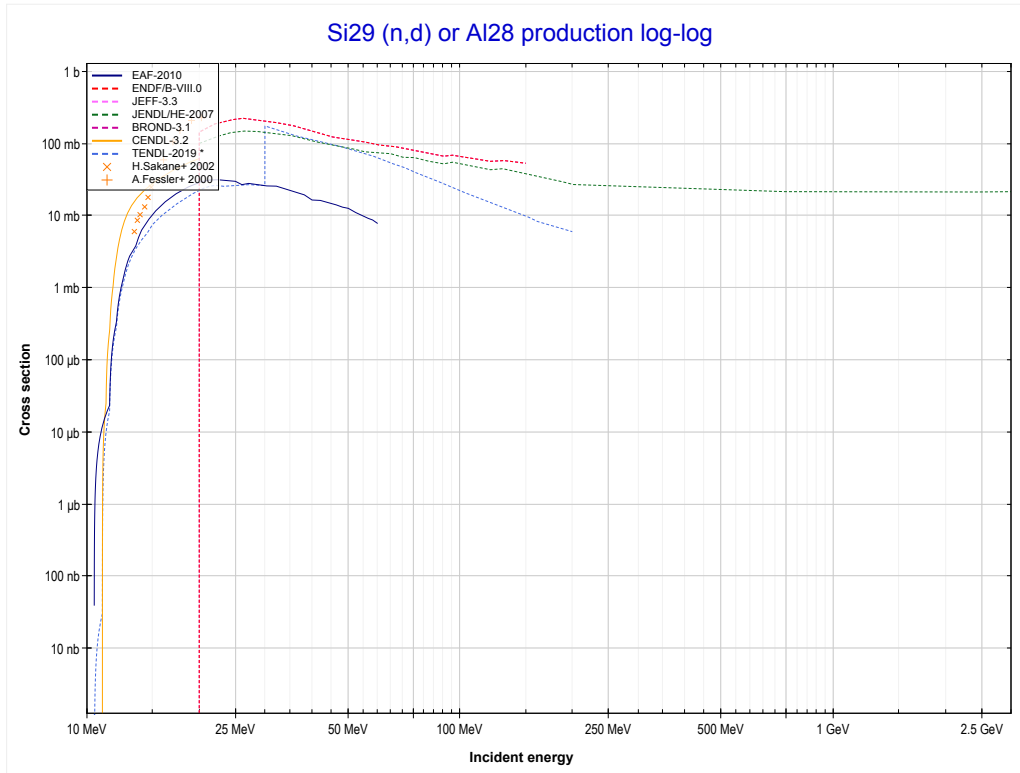
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.10164 b | 0.101572 b | 0.10192 b | 1.0035 | 0.0647721 b | 3.11972E-4 b | 3.2508E-4 b |
| ENDF/B-VIII.0 | 0.119998 b | 0.119998 b | 0.12004 b | 1.00034 | 0.0823312 b | 2.03687E-4 b | 1.5E-4 b |
| JEFF-3.3 | 0.119998 b | 0.119998 b | 0.12004 b | 1.00034 | 0.0823312 b | 2.03687E-4 b | 1.5E-4 b |
| JENDL-4.0u | 0.119998 b | 0.119998 b | 0.12004 b | 1.00033 | 0.0823311 b | 2.17363E-4 b | 2.007E-4 b |
| JENDL/HE-2007 | 0.101485 b | 0.101485 b | 0.10166 b | 1.00168 | 0.0646469 b | 2.99012E-4 b | 3.25079E-4 b |
| BROND-3.1 | 0.119998 b | 0.119998 b | 0.12004 b | 1.00034 | 0.0823312 b | 2.03687E-4 b | 1.5E-4 b |
| CENDL-3.2 | 0.119955 b | 0.119955 b | 0.11996 b | 1.00007 | 0.0822101 b | 2.03519E-4 b | 1.5E-4 b |
| TENDL-2019 | 0.118871 b | 0.118871 b | 0.11888 b | 1.00007 | 0.0809928 b | 4.313E-4 b | 6.96002E-4 b |

| | | |
|-------------------------|---|----------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Al29 production) | MT104 (n,d) >> |



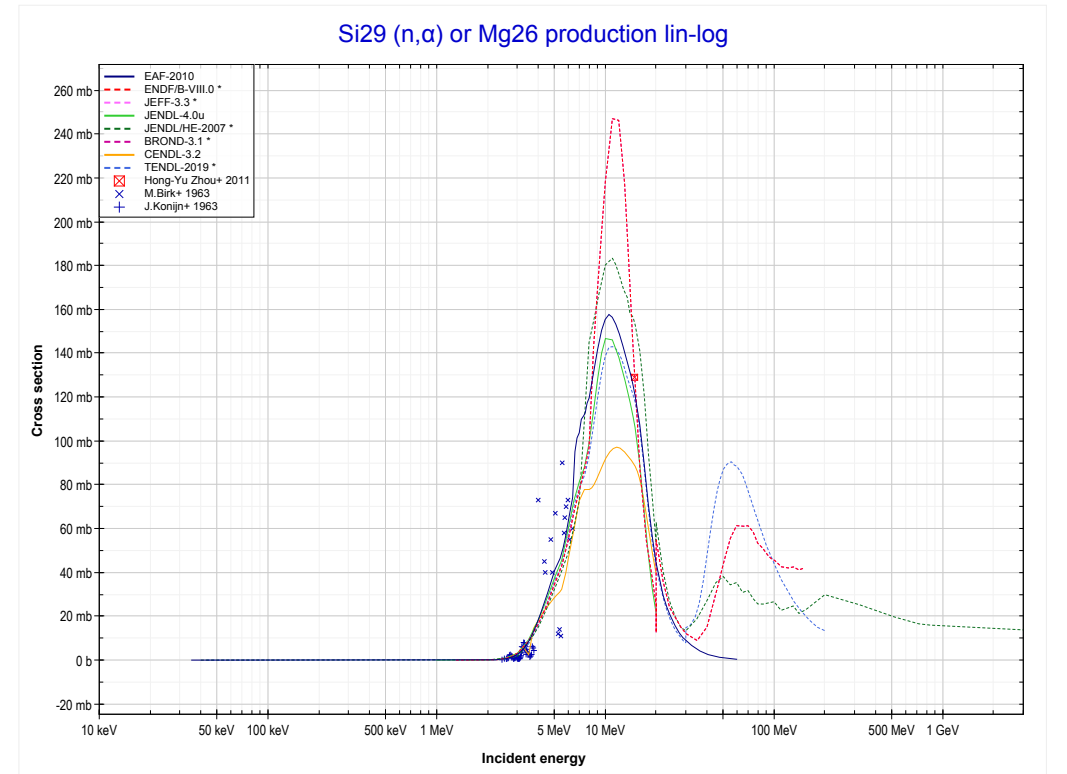
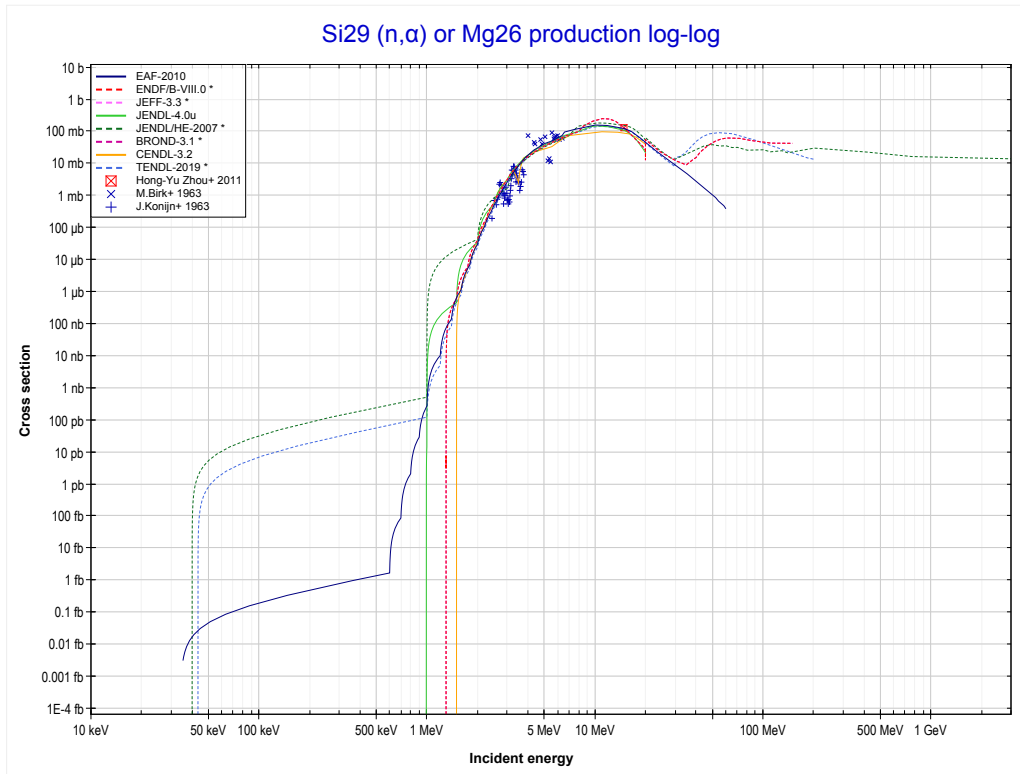
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00378683 b | 0.133319 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00423344 b | 0.13715 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00423344 b | 0.13715 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00495009 b | 0.136215 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00326633 b | 0.10766 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00423344 b | 0.13715 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00302111 b | 0.1236 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00284309 b | 0.1359 b |

| | | |
|----------------|---|-------------------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Al28 production) | MT107 (n, α) >> |



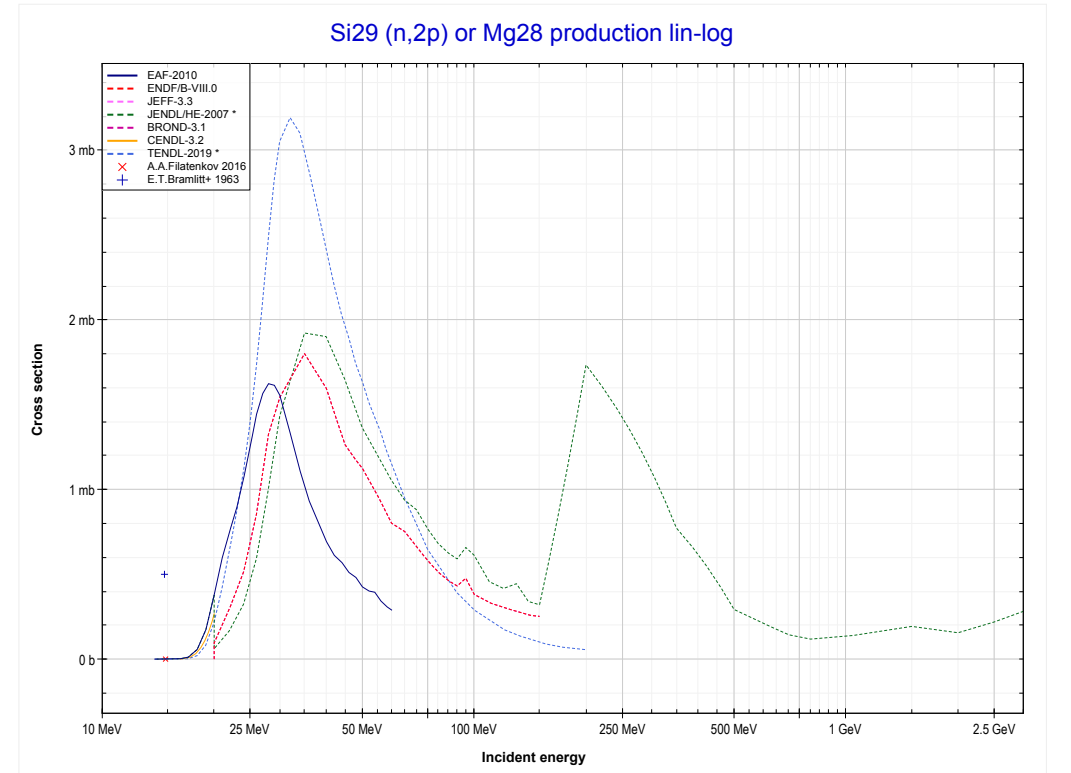
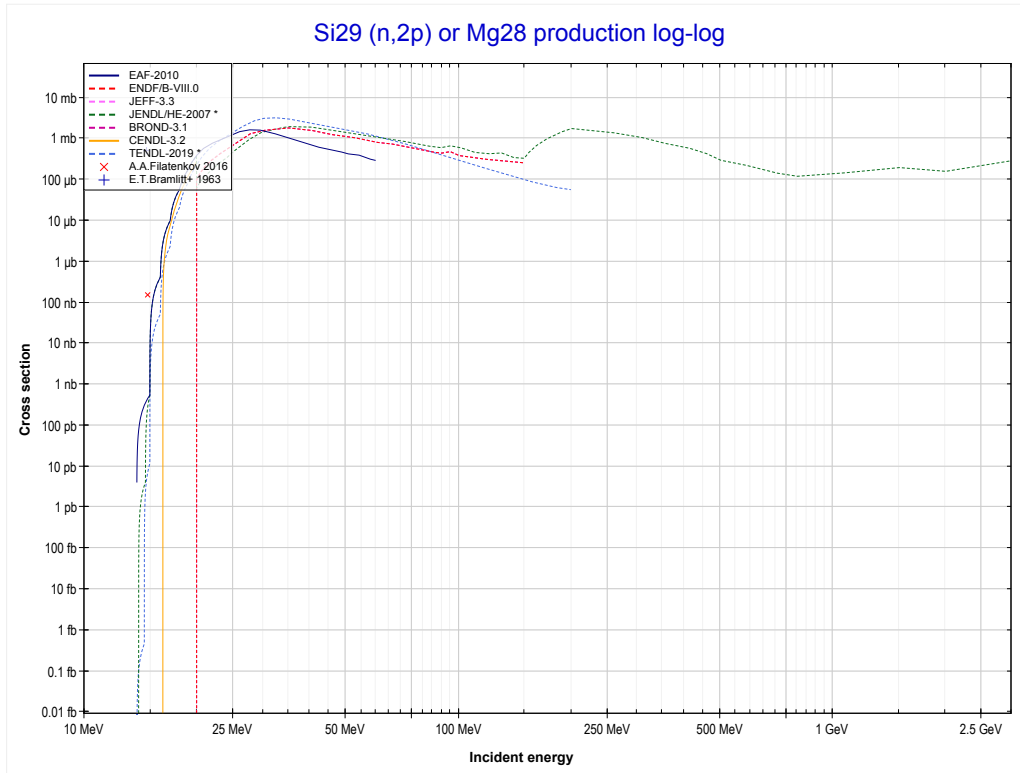
| Reaction | Q-Value |
|-----------------|---------------|
| Si29(n,d)Al28 | -10108.84 keV |
| Si29(n,n+p)Al28 | -12333.41 keV |

| | | |
|----------------|---|-----------------|
| << 14-Si-28 | 14-Si-29 | 14-Si-30 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mg26 production) | MT111 (n,2p) >> |



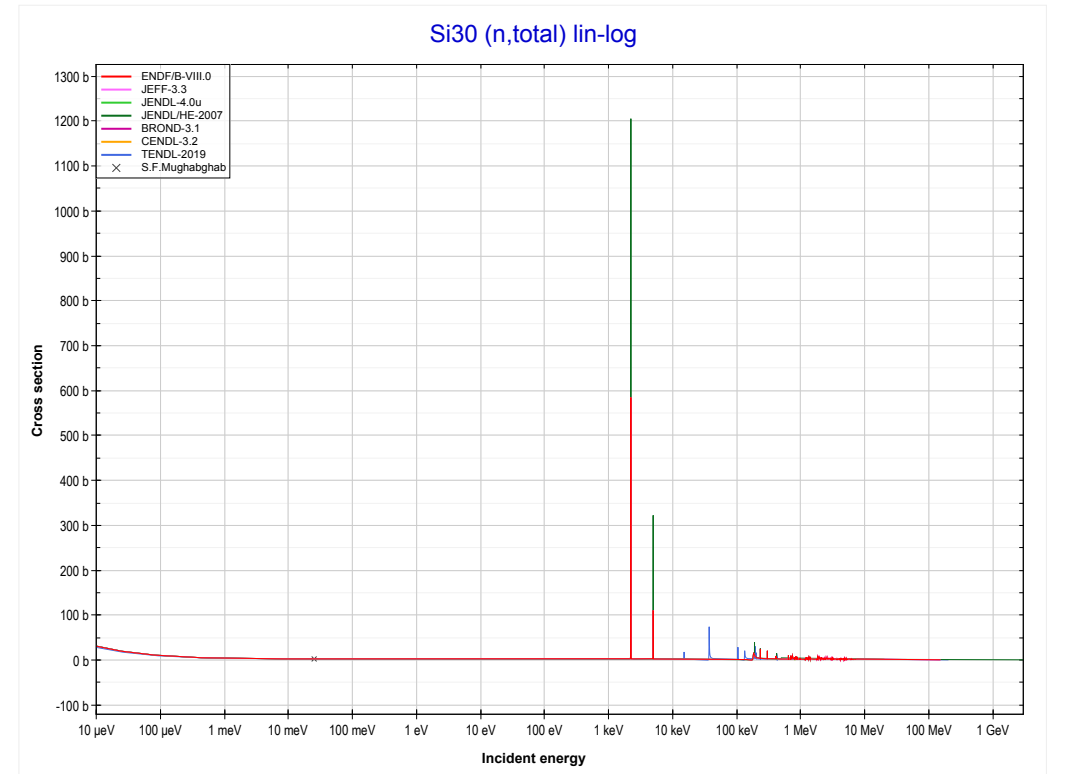
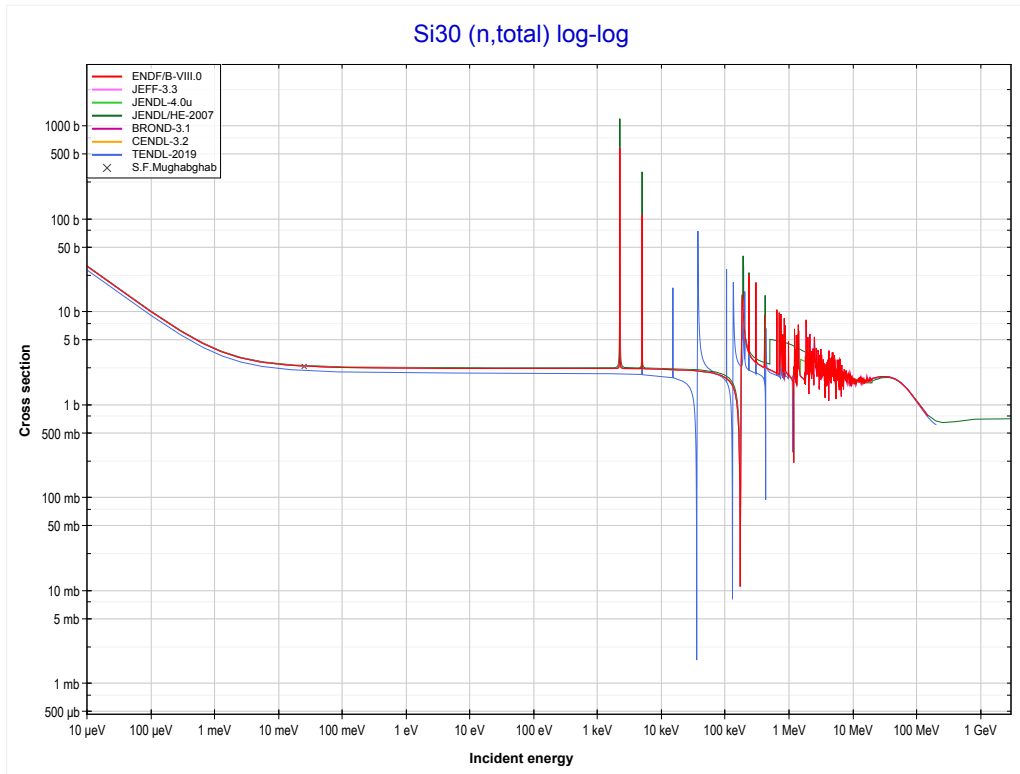
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 8.29469E-17 b | 0.00716283 b | 0.131425 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00661975 b | 0.170118 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00661975 b | 0.170118 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00665324 b | 0.1178 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 1.2236E-11 b | 0.00632128 b | 0.15822 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00661975 b | 0.170118 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00533896 b | 0.091967 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 2.45997E-12 b | 0.00610628 b | 0.125209 b |

| | | |
|-------------------------|--|---------------------------|
| << 13-Al-27 | 14-Si-29 | 19-K-41 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Mg28 production) | 14-Si-30 MT1 (n,total) >> |



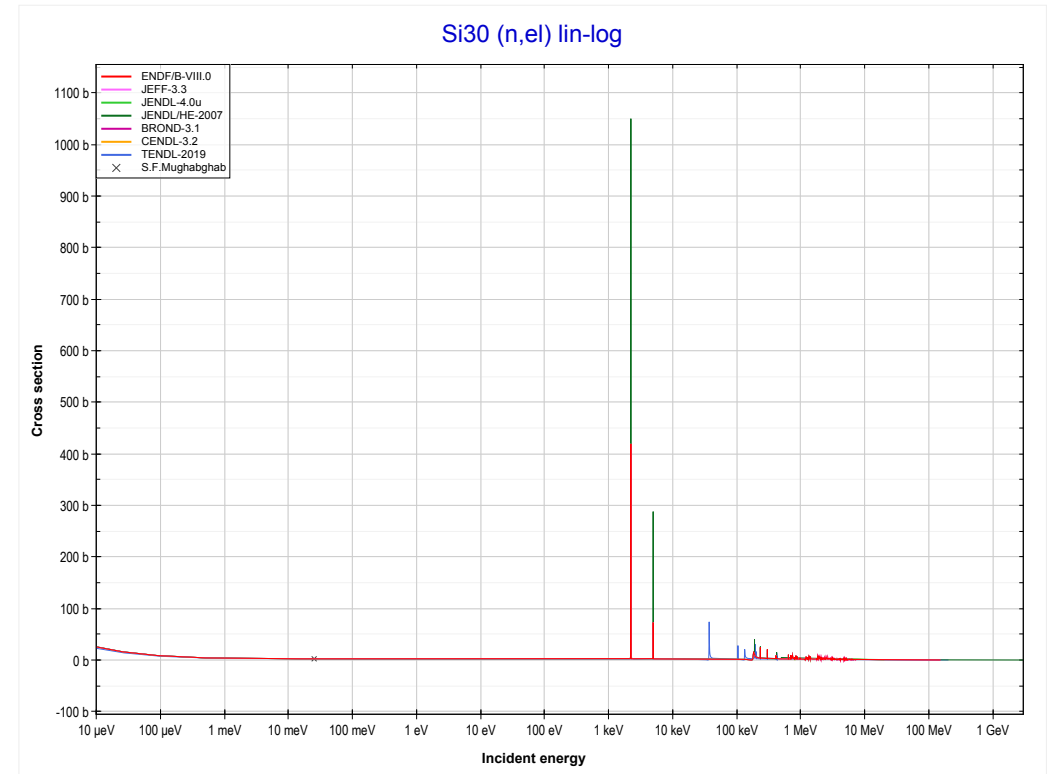
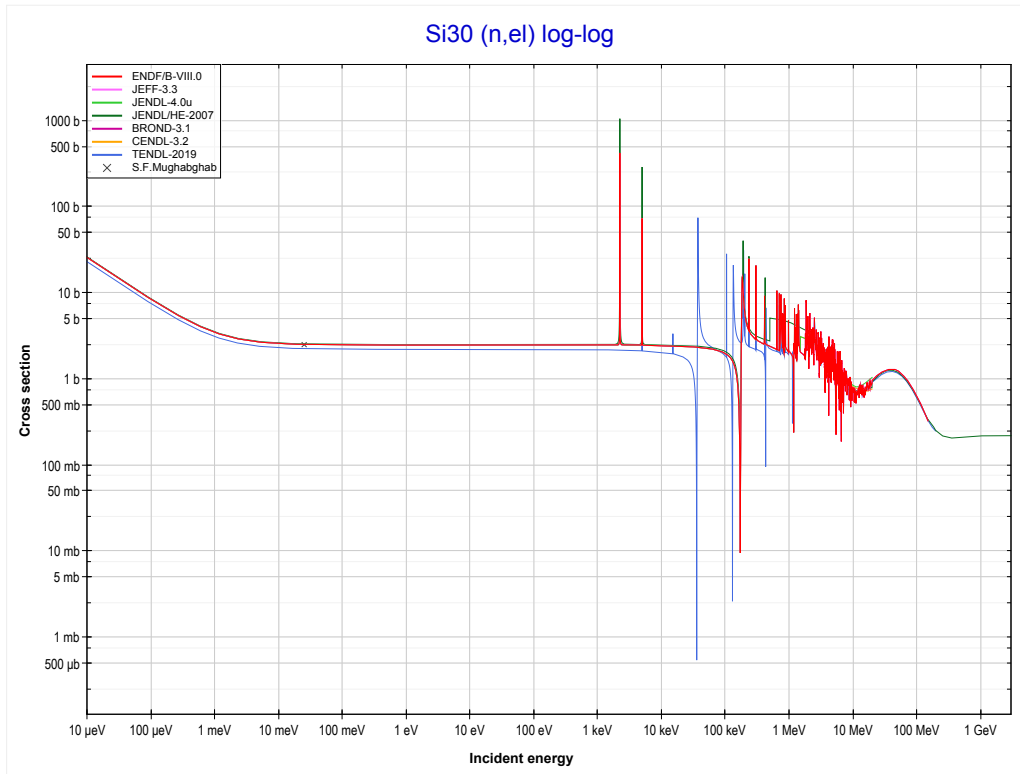
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Si29(n,2p)Mg28 | -13382.90 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 14-Si-29 | 14-Si-30 | 15-P-31 >> |
| << 14-Si-29 MT111 (n,2p) | MT1 (n,total) | MT2 (n,elastic) >> |



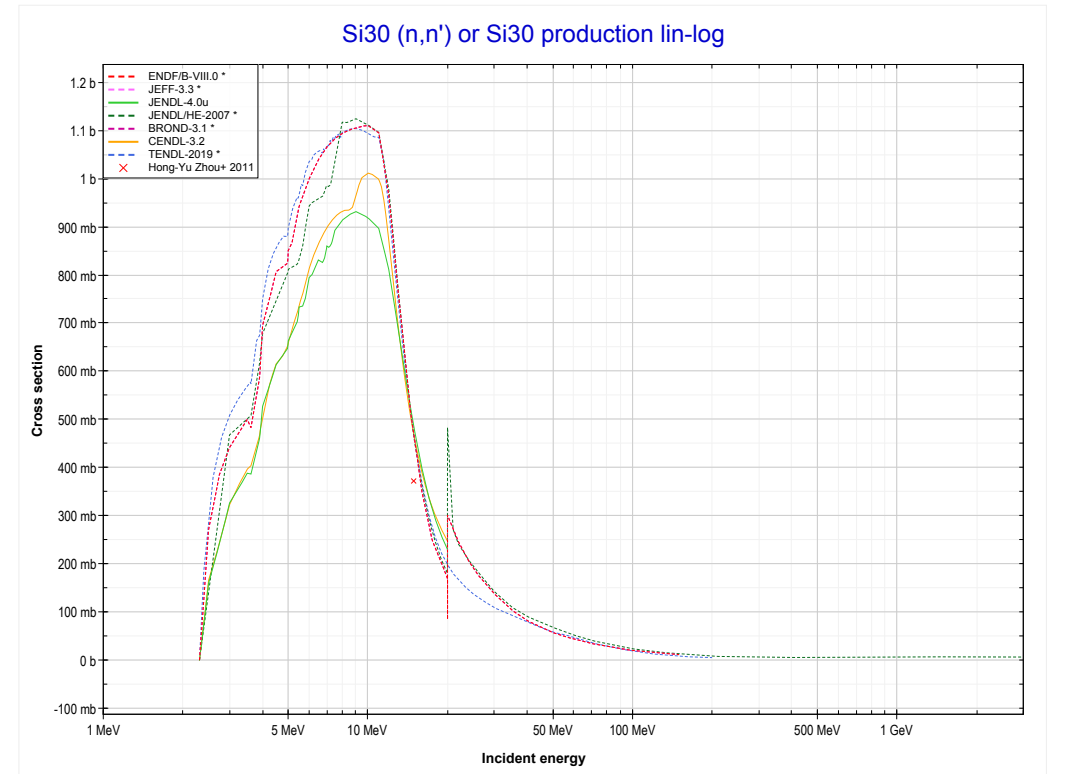
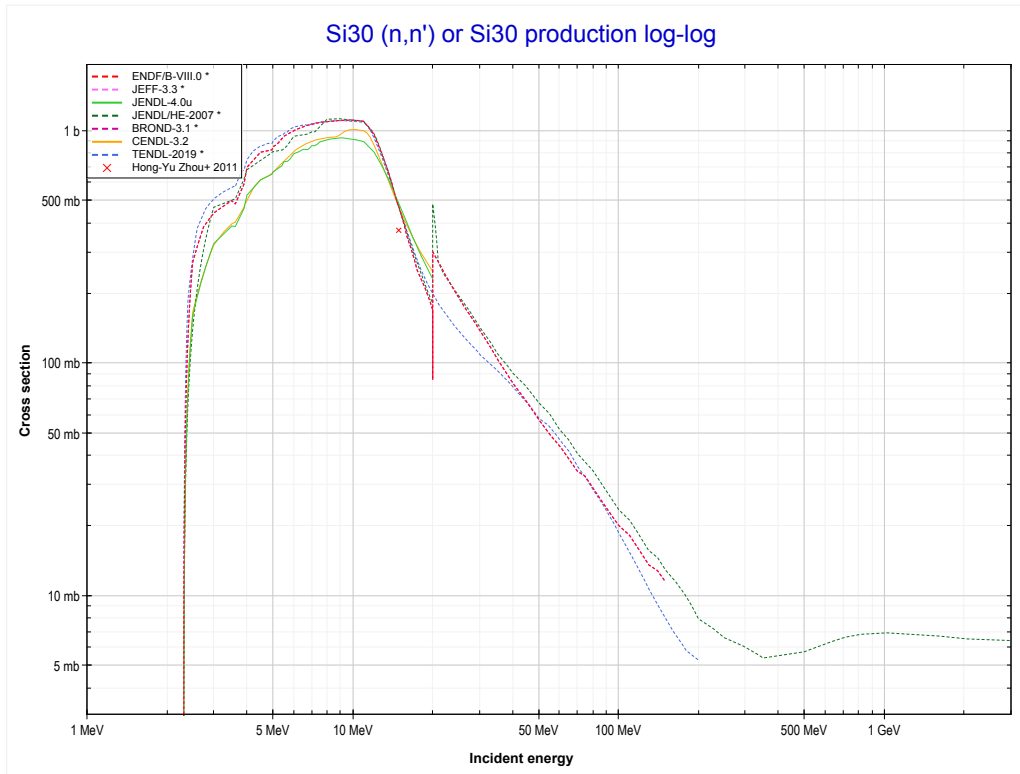
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.60581 b | 2.60581 b | 2.9263 b | 1.12298 | 31.4918 b | 2.55981 b | 1.75455 b |
| JEFF-3.3 | 2.60581 b | 2.60581 b | 2.9263 b | 1.12298 | 31.4918 b | 2.55981 b | 1.75455 b |
| JENDL-4.0u | 2.60576 b | 2.60576 b | 2.9262 b | 1.12298 | 31.4917 b | 2.59865 b | 1.741 b |
| JENDL/HE-2007 | 2.64161 b | 2.64161 b | 2.9676 b | 1.12342 | 35.38 b | 3.59414 b | 1.77936 b |
| BROND-3.1 | 2.60581 b | 2.60581 b | 2.9263 b | 1.12298 | 31.4918 b | 2.55981 b | 1.75455 b |
| CENDL-3.2 | 2.60578 b | 2.60578 b | 2.9264 b | 1.12303 | 31.5004 b | 2.5874 b | 1.76017 b |
| TENDL-2019 | 2.33819 b | 2.33819 b | 2.6245 b | 1.12243 | 27.8753 b | 2.44613 b | 1.7414 b |

| | | |
|------------------|------------------------|---------------|
| << 14-Si-29 | 14-Si-30 | 15-P-31 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



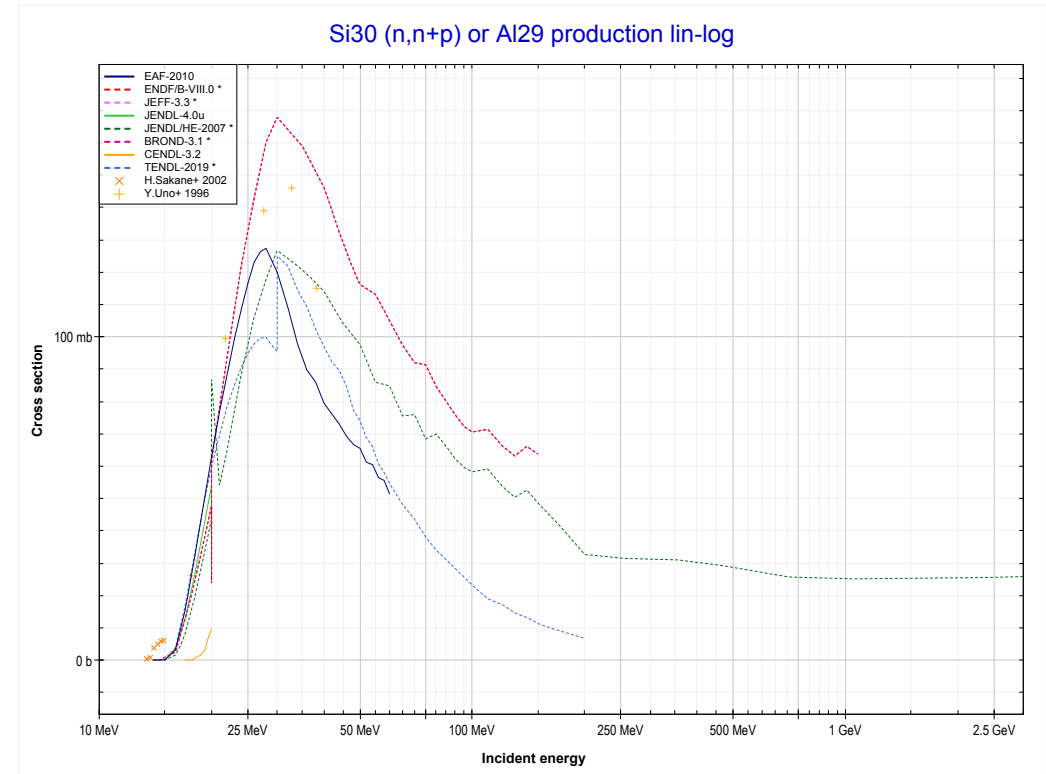
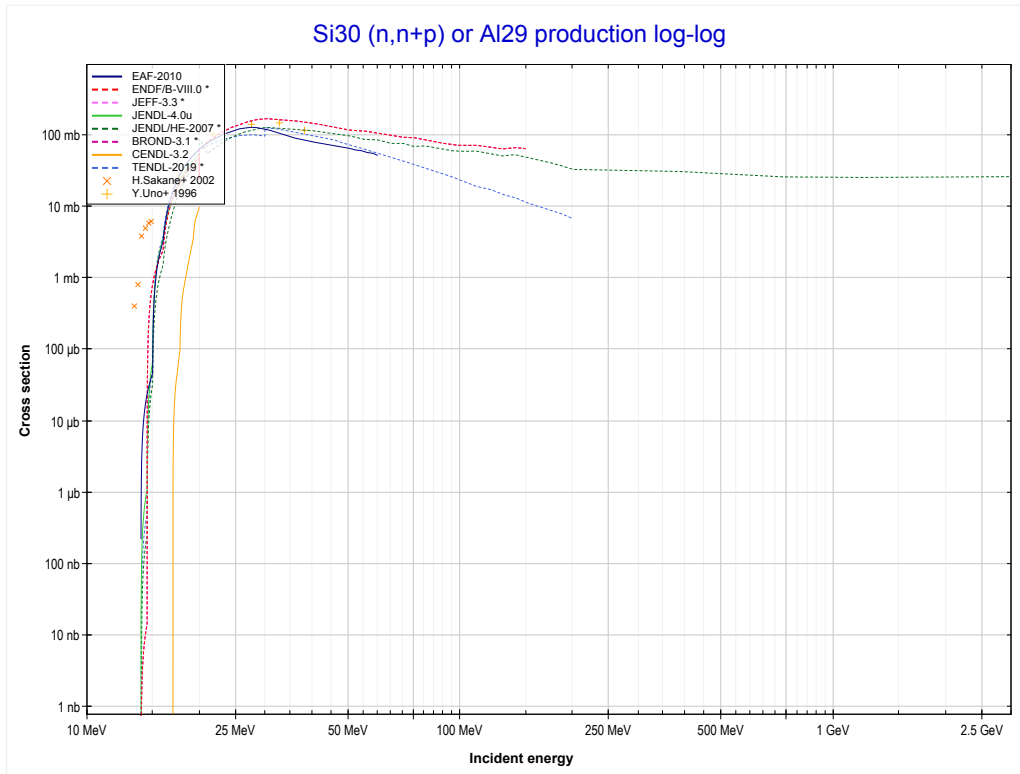
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.4987 b | 2.4987 b | 2.8191 b | 1.12824 | 30.911 b | 2.37208 b | 0.645467 b |
| JEFF-3.3 | 2.4987 b | 2.4987 b | 2.8191 b | 1.12824 | 30.911 b | 2.37208 b | 0.645467 b |
| JENDL-4.0u | 2.49865 b | 2.49865 b | 2.8191 b | 1.12824 | 30.9108 b | 2.45709 b | 0.841308 b |
| JENDL/HE-2007 | 2.53269 b | 2.53269 b | 2.8576 b | 1.1283 | 34.6638 b | 3.41749 b | 0.737449 b |
| BROND-3.1 | 2.4987 b | 2.4987 b | 2.8191 b | 1.12824 | 30.911 b | 2.37208 b | 0.645467 b |
| CENDL-3.2 | 2.4987 b | 2.4987 b | 2.8193 b | 1.1283 | 30.915 b | 2.44289 b | 0.729038 b |
| TENDL-2019 | 2.23123 b | 2.23123 b | 2.5175 b | 1.1283 | 27.7698 b | 2.24001 b | 0.645467 b |

| | | |
|--------------------|--|-----------------|
| << 14-Si-29 | 14-Si-30 | 16-S-32 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Si30 production) | MT28 (n,n+p) >> |



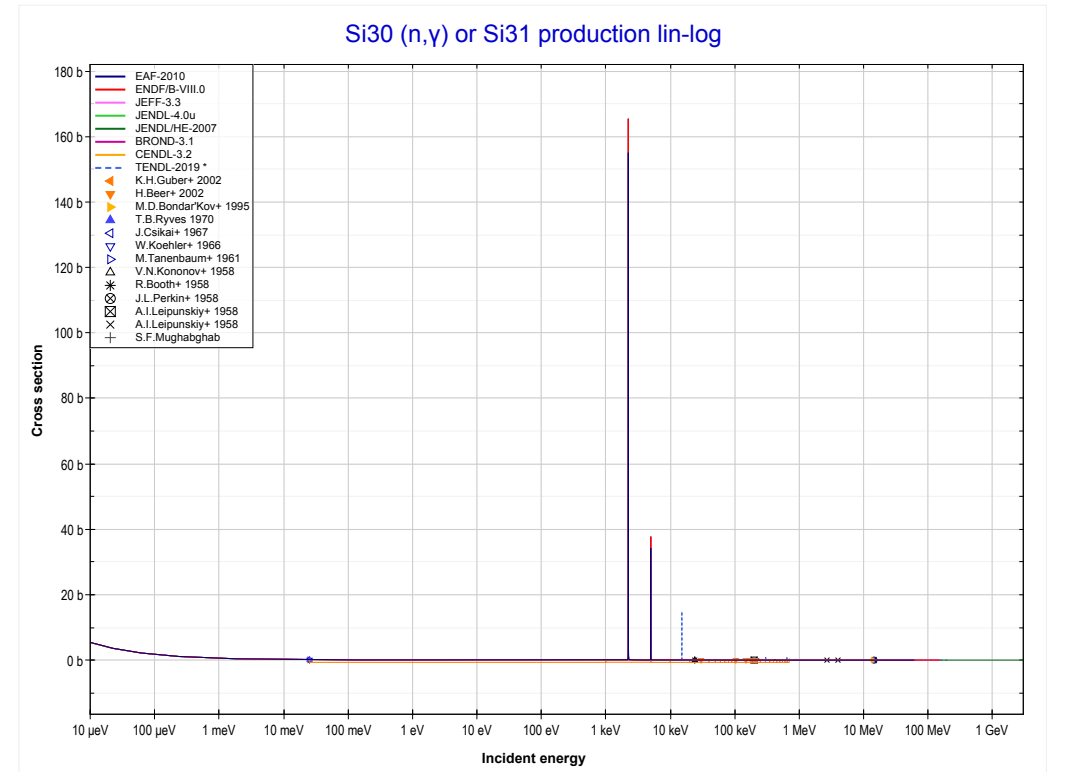
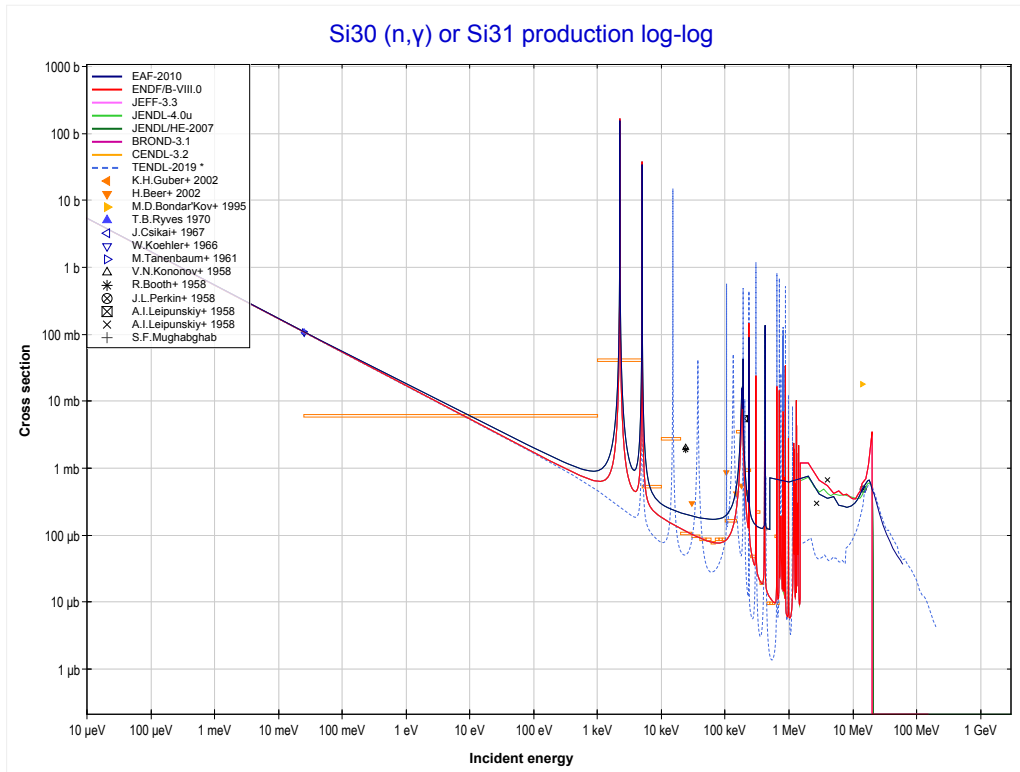
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.186785 b | 0.599962 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.186785 b | 0.599962 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.140805 b | 0.575123 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.175216 b | 0.596267 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.186785 b | 0.599962 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.143113 b | 0.560573 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.205289 b | 0.585316 b |

| | | |
|---------------|--|-------------------------|
| << 14-Si-29 | 14-Si-30 | 15-P-31 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Al29 production) | MT102 (n, γ) >> |



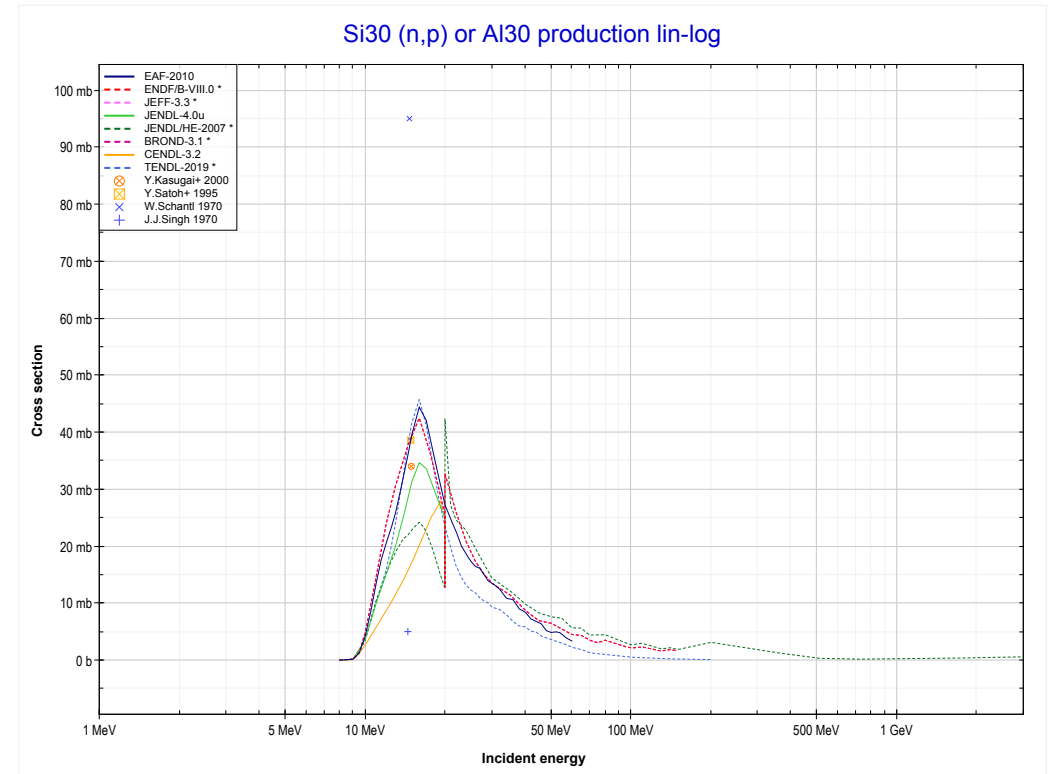
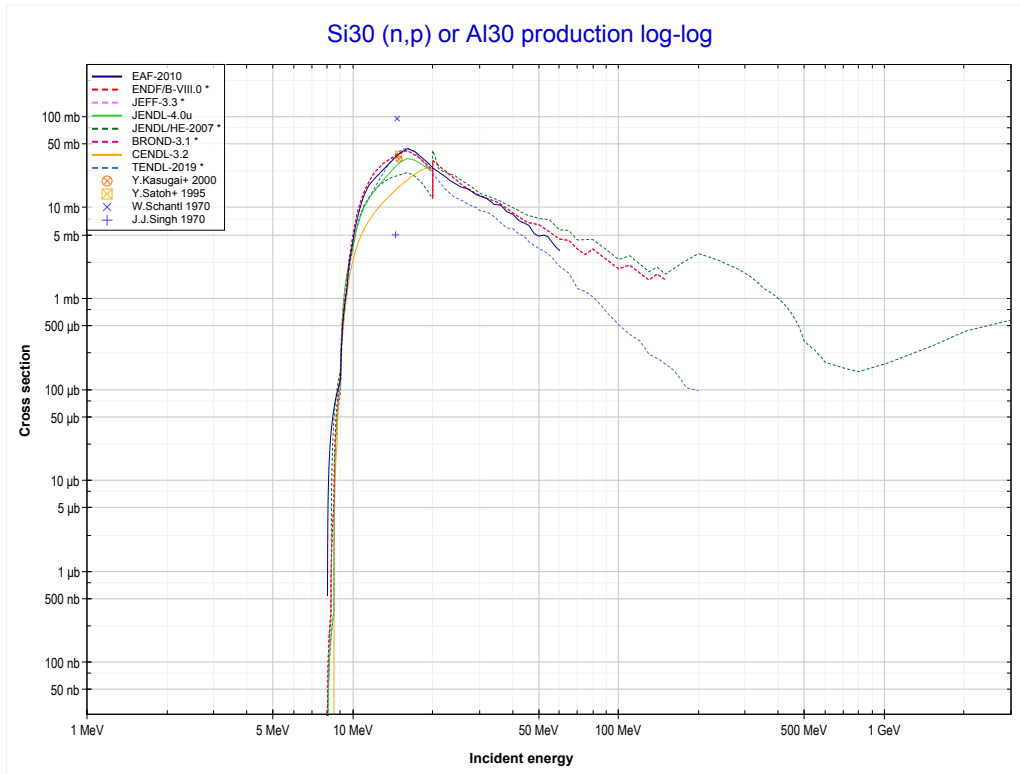
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59019E-7 b | 9.89974E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59019E-7 b | 9.89974E-10 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.89231E-7 b | 7.95373E-8 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2811E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59019E-7 b | 9.8997E-10 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.40893E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.9529E-7 b | 2.9911E-8 b |

| | | |
|-----------------|---|----------------|
| << 14-Si-29 | 14-Si-30 | 14-Si-31 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Si31 production) | MT103 (n,p) >> |



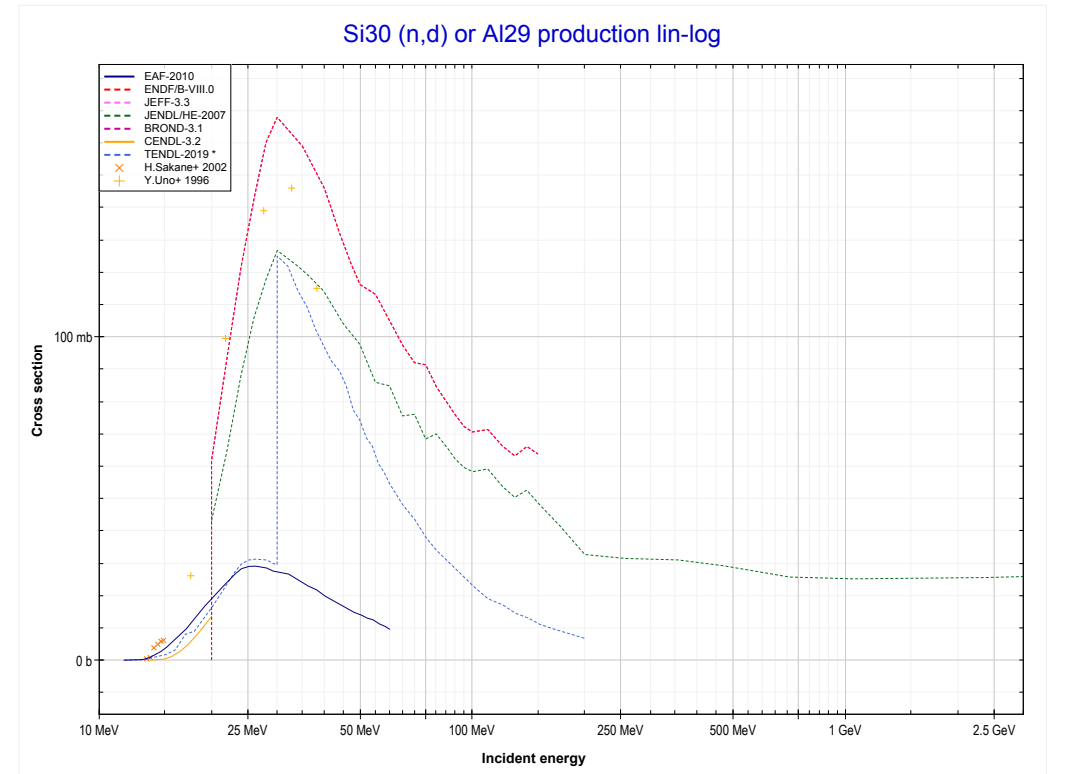
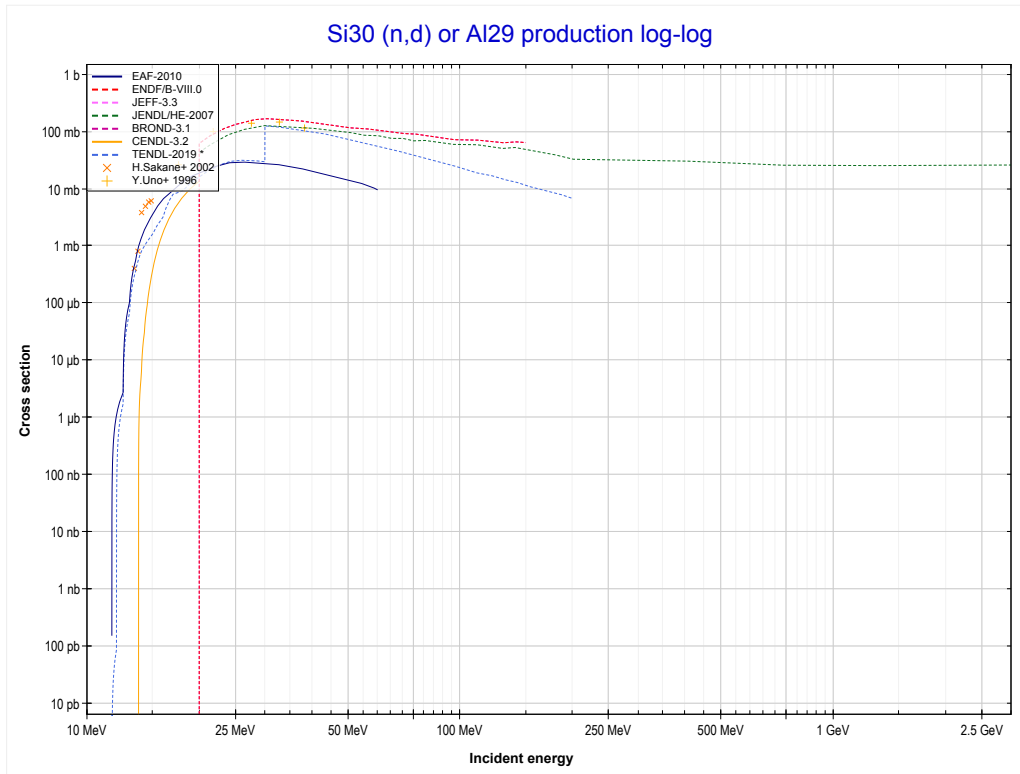
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.1079 b | 0.107829 b | 0.10861 b | 1.00734 | 0.706061 b | 6.79378E-4 b | 4.8168E-4 b |
| ENDF/B-VIII.0 | 0.107118 b | 0.107118 b | 0.10715 b | 1.00034 | 0.580892 b | 5.75801E-4 b | 6E-4 b |
| JEFF-3.3 | 0.107118 b | 0.107118 b | 0.10715 b | 1.00034 | 0.580892 b | 5.75801E-4 b | 6E-4 b |
| JENDL-4.0u | 0.107111 b | 0.107111 b | 0.10715 b | 1.00034 | 0.580859 b | 4.28314E-4 b | 3.98E-4 b |
| JENDL/HE-2007 | 0.107753 b | 0.107753 b | 0.10832 b | 1.00528 | 0.704271 b | 6.78474E-4 b | 4.81684E-4 b |
| BROND-3.1 | 0.107118 b | 0.107118 b | 0.10715 b | 1.00034 | 0.580892 b | 5.75801E-4 b | 6E-4 b |
| CENDL-3.2 | 0.10708 b | 0.10708 b | 0.10709 b | 1.00007 | 0.580612 b | 5.75864E-4 b | 6E-4 b |
| TENDL-2019 | 0.10695 b | 0.10695 b | 0.10696 b | 1.00007 | 0.102647 b | 4.15442E-4 b | 2.50581E-4 b |

| | | |
|-------------------------|---|----------------|
| << 14-Si-29 | 14-Si-30 | 15-P-31 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Al30 production) | MT104 (n,d) >> |



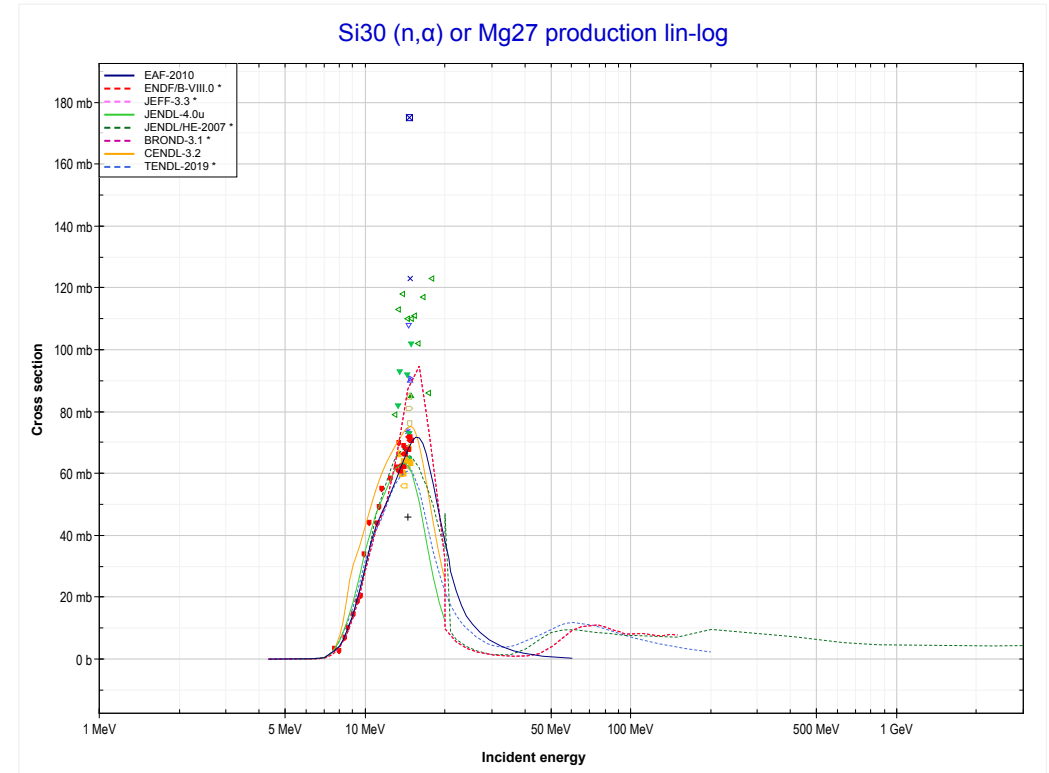
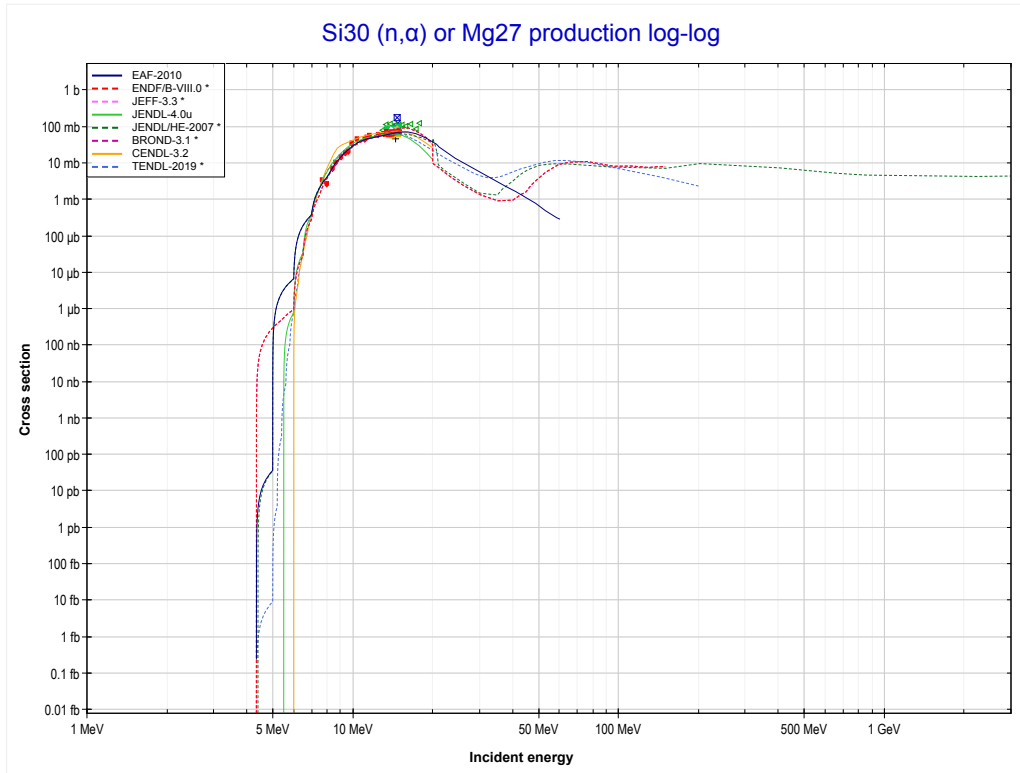
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.30457E-5 b | 0.0324922 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.66336E-5 b | 0.0352503 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.66336E-5 b | 0.0352503 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.6262E-5 b | 0.02544 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.5112E-5 b | 0.0214244 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.66336E-5 b | 0.0352503 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57323E-5 b | 0.014209 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.81415E-5 b | 0.0329697 b |

| | | |
|----------------|---|-------------------------|
| << 14-Si-29 | 14-Si-30 | 18-Ar-40 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Al29 production) | MT107 (n, α) >> |



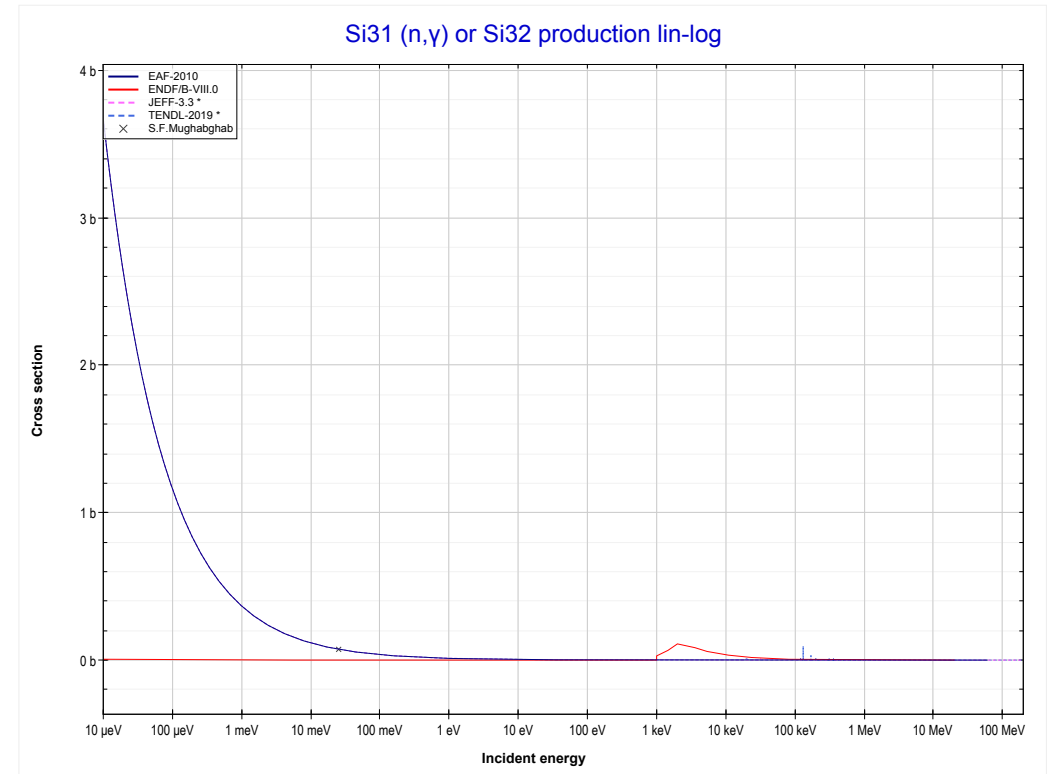
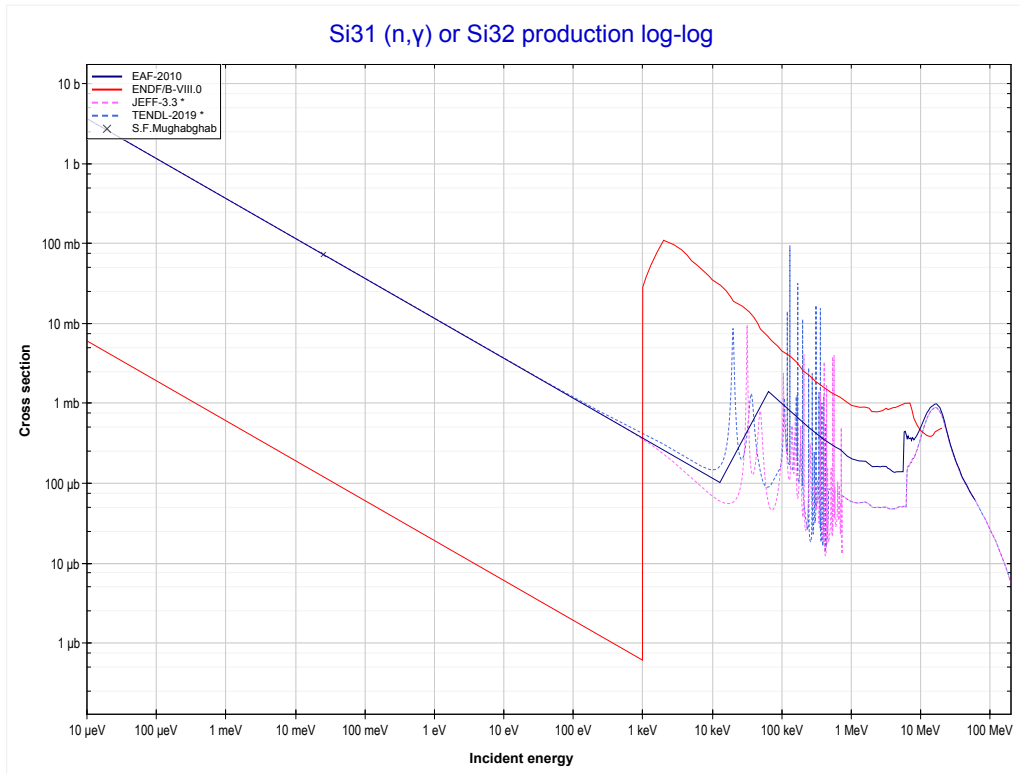
| Reaction | Q-Value |
|-----------------|---------------|
| Si30(n,d)Al29 | -11289.56 keV |
| Si30(n,n+p)Al29 | -13514.13 keV |

| | | |
|----------------|---|----------------------------------|
| << 14-Si-29 | 14-Si-30 | 15-P-31 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mg27 production) | 14-Si-31 MT102 (n, γ) >> |



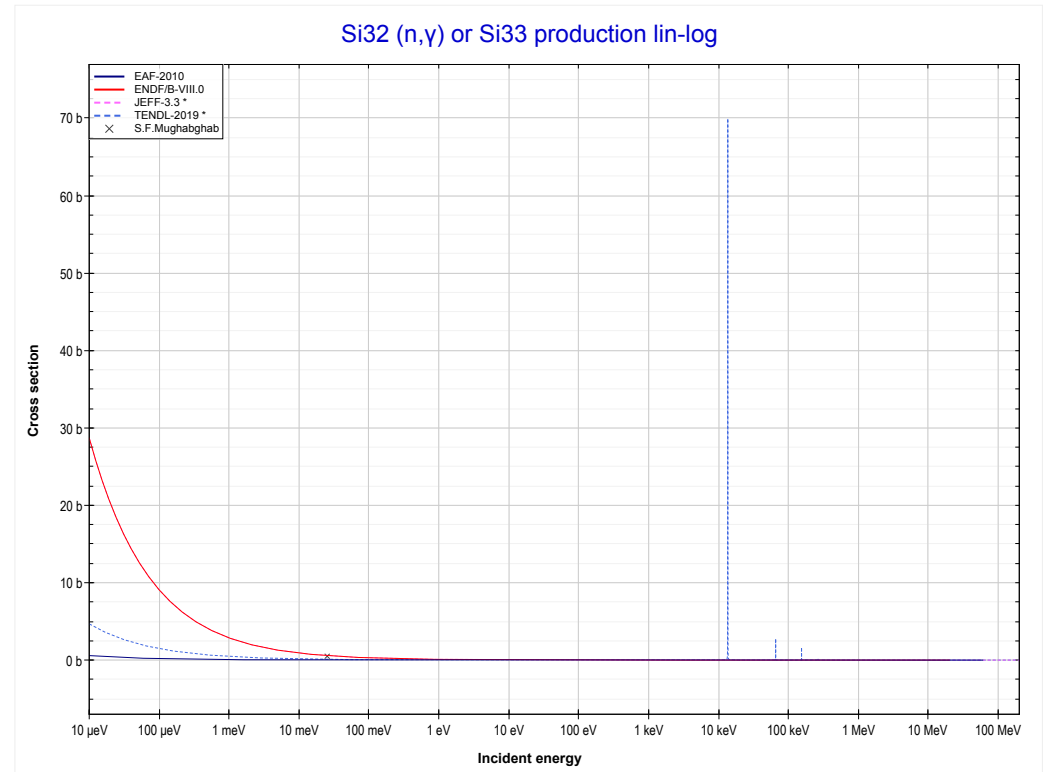
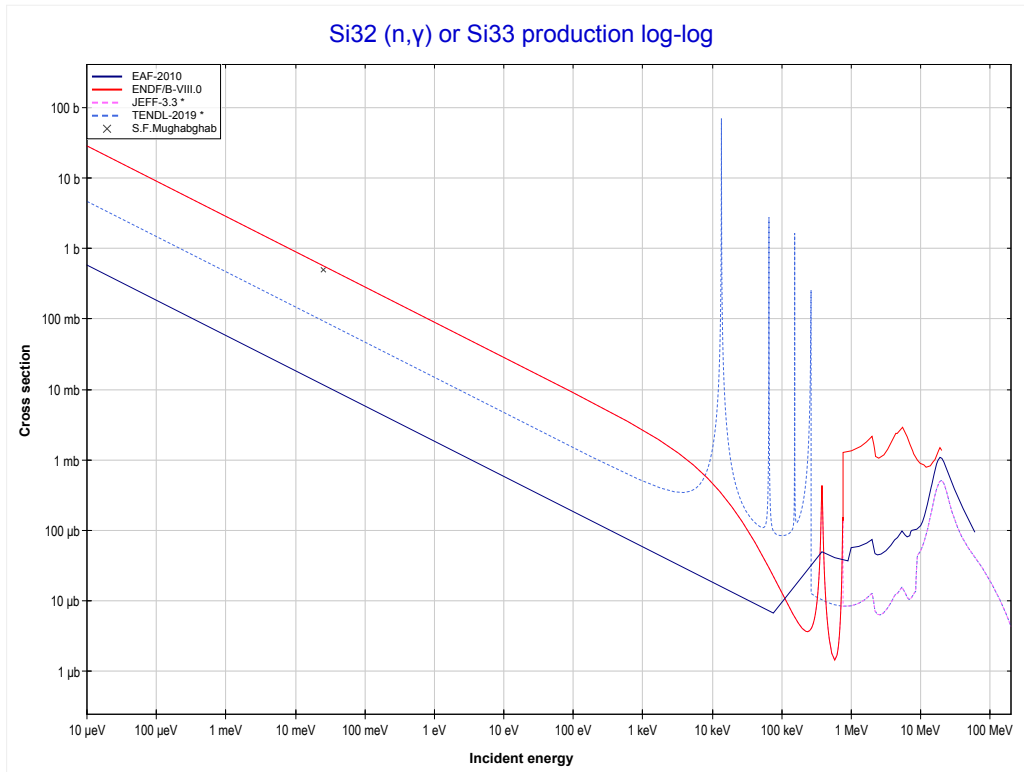
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78321E-4 b | 0.0643644 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69438E-4 b | 0.0793693 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69438E-4 b | 0.0793693 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.04885E-4 b | 0.06336 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.82168E-4 b | 0.0679108 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69438E-4 b | 0.0793693 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.6672E-4 b | 0.073408 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89744E-4 b | 0.0600944 b |

| | | |
|----------------------------------|---|----------------------------------|
| << 14-Si-30 | 14-Si-31 | 14-Si-32 >> |
| << 14-Si-30 MT107 (n, α) | MT102 (n,γ) or MT5 (Si32 production) | 14-Si-32 MT102 (n, γ) >> |



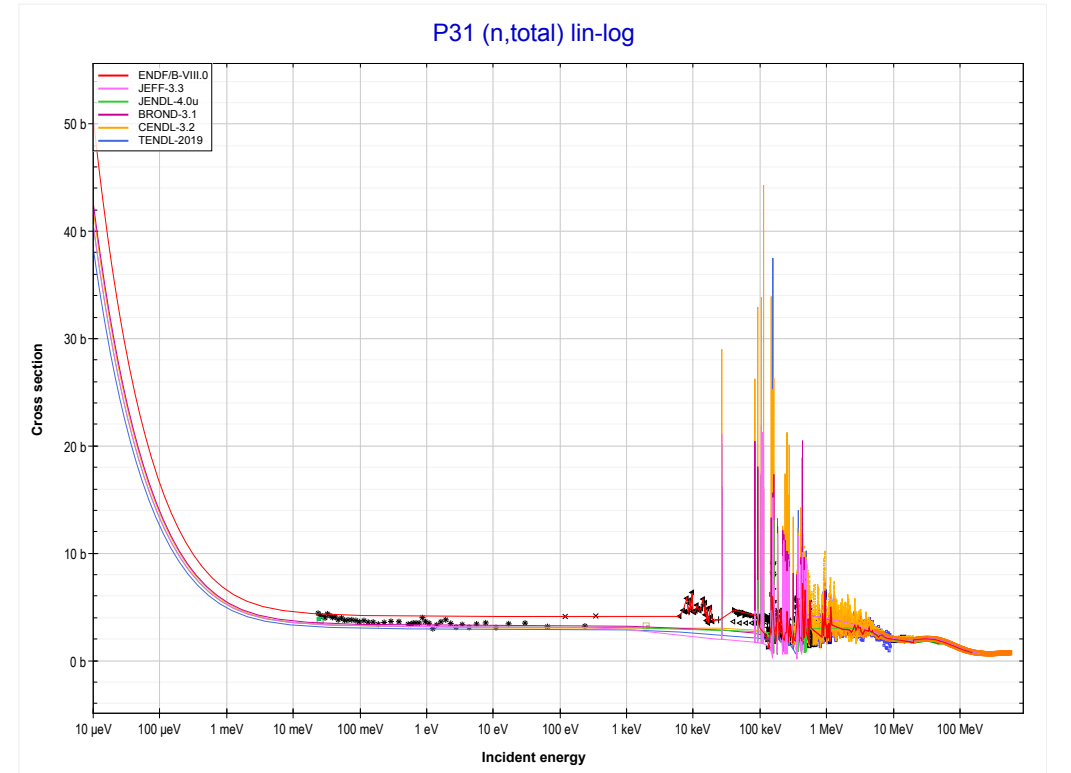
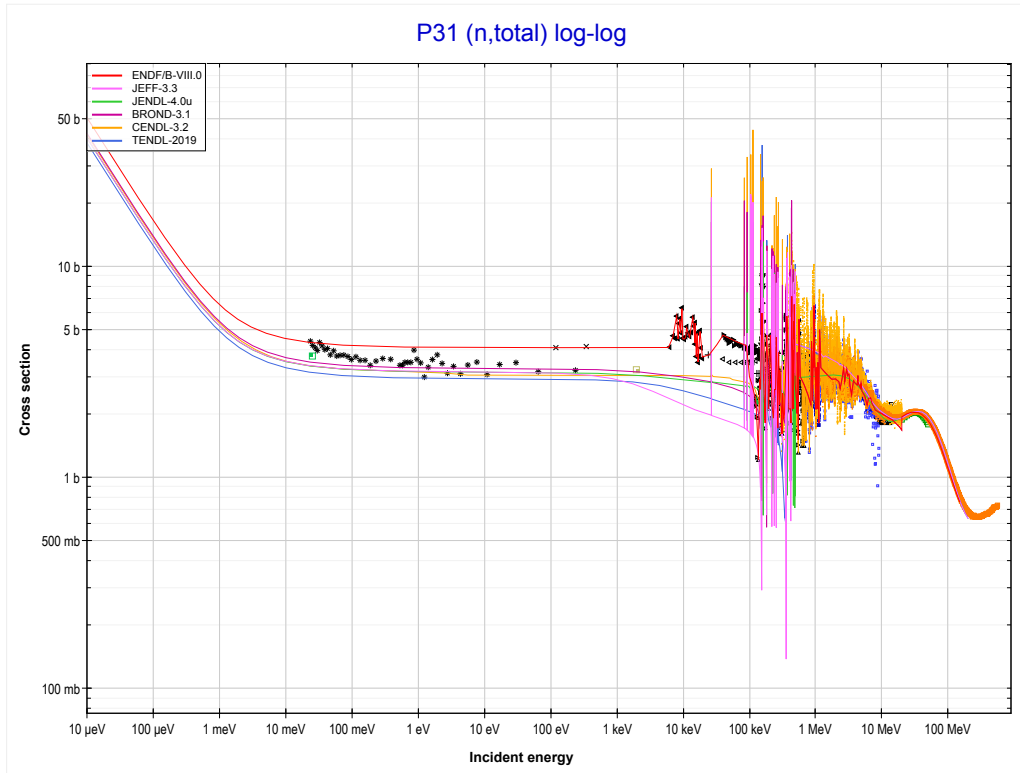
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.073 b | 0.0729453 b | 0.072948 b | 1.00004 | 0.0340446 b | 2.3947E-4 b | 9.04567E-4 b |
| ENDF/B-VIII.0 | 1.20459E-4 b | 1.20459E-4 b | 1.205E-4 b | 1.00034 | 0.197158 b | 0.00121862 b | 3.84747E-4 b |
| JEFF-3.3 | 0.0729786 b | 0.0729786 b | 0.073003 b | 1.00034 | 0.0332461 b | 6.81259E-5 b | 8.06602E-4 b |
| TENDL-2019 | 0.072958 b | 0.072958 b | 0.072963 b | 1.00007 | 0.034104 b | 7.45886E-5 b | 8.06619E-4 b |

| | | |
|----------------------------------|---|--------------------------|
| << 14-Si-31 | 14-Si-32 | 15-P-31 >> |
| << 14-Si-31 MT102 (n, γ) | MT102 (n,γ) or MT5 (Si33 production) | 15-P-31 MT1 (n,total) >> |



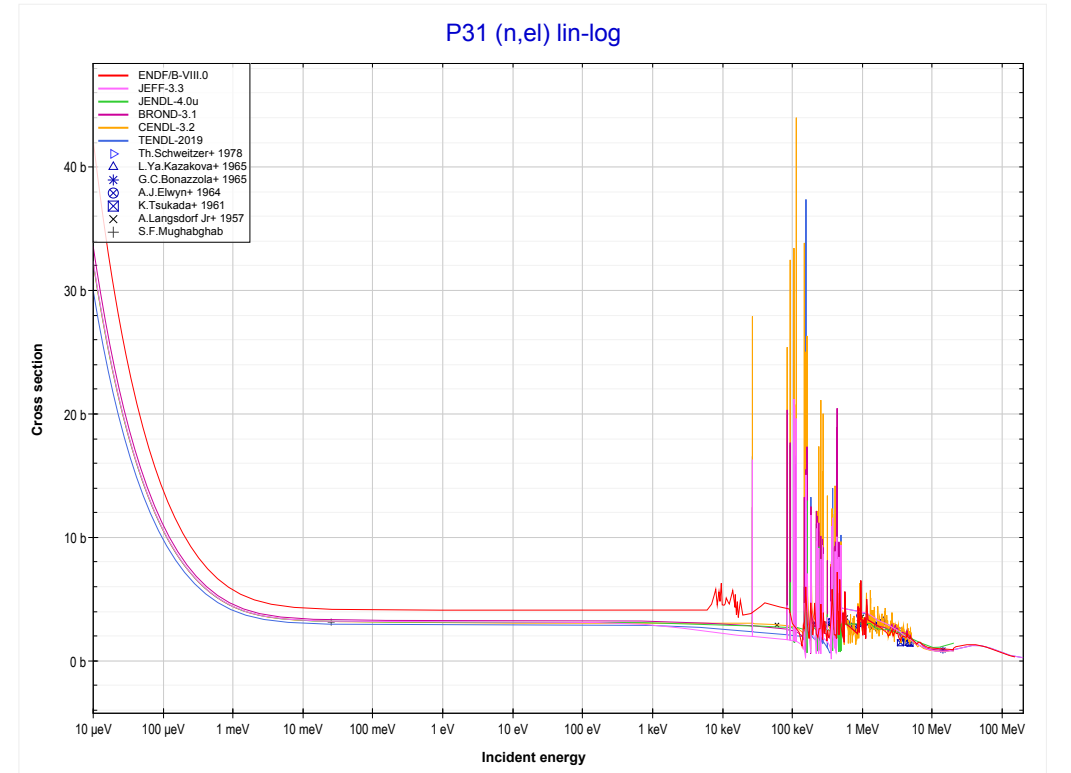
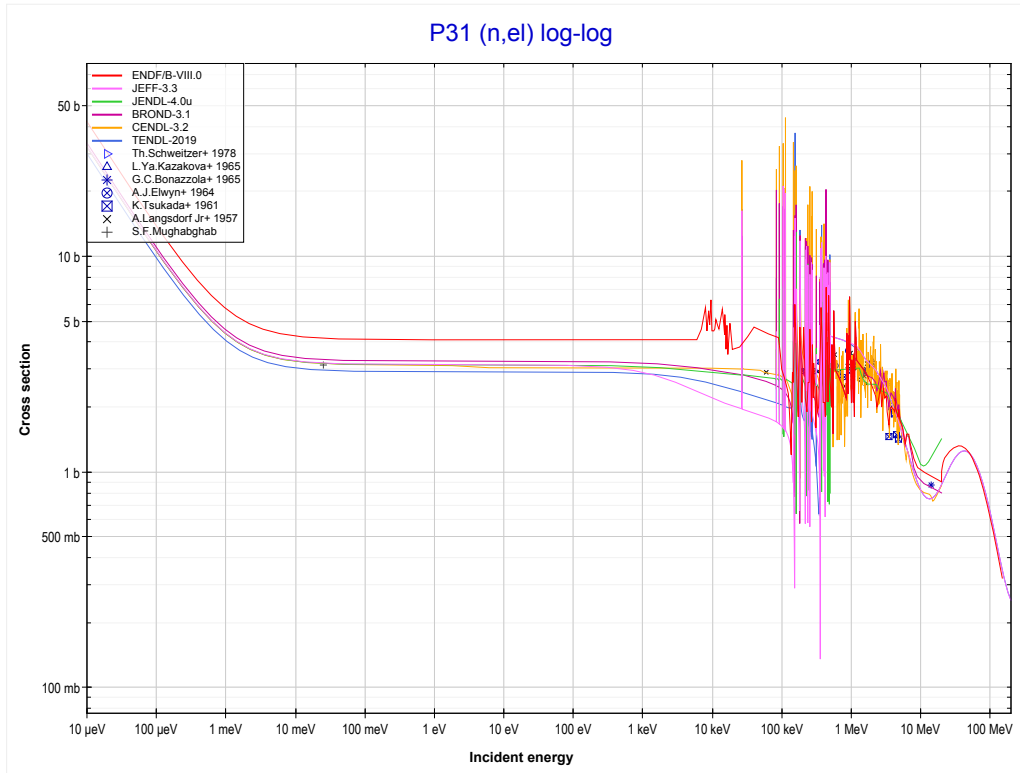
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0116141 b | 0.0116054 b | 0.011606 b | 1.00004 | 0.00522774 b | 5.44187E-5 b | 3.9205E-4 b |
| ENDF/B-VIII.0 | 0.570342 b | 0.570342 b | 0.57053 b | 1.00034 | 0.254468 b | 0.00123548 b | 8.2887E-4 b |
| JEFF-3.3 | 0.570342 b | 0.570342 b | 0.57053 b | 1.00034 | 0.254468 b | 1.37487E-5 b | 1.67854E-4 b |
| TENDL-2019 | 0.0930321 b | 0.0930321 b | 0.093038 b | 1.00007 | 0.314152 b | 5.97981E-4 b | 1.67856E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 14-Si-30 | 15-P-31 | 16-S-32 >> |
| << 14-Si-32 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



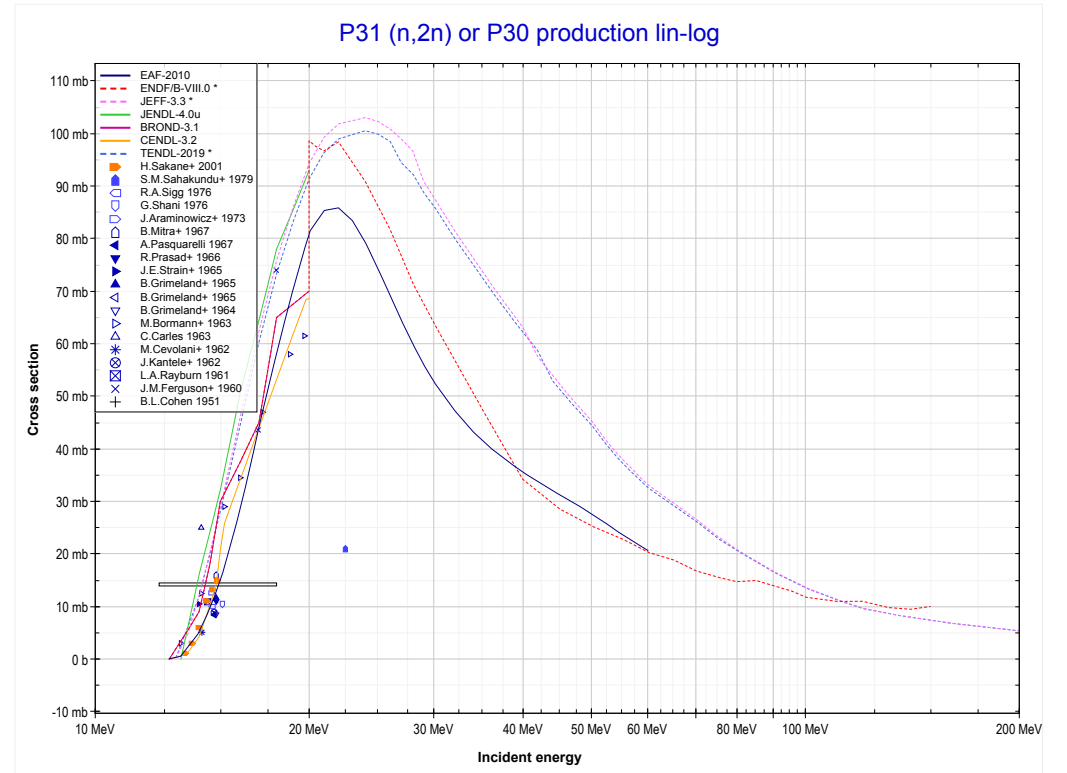
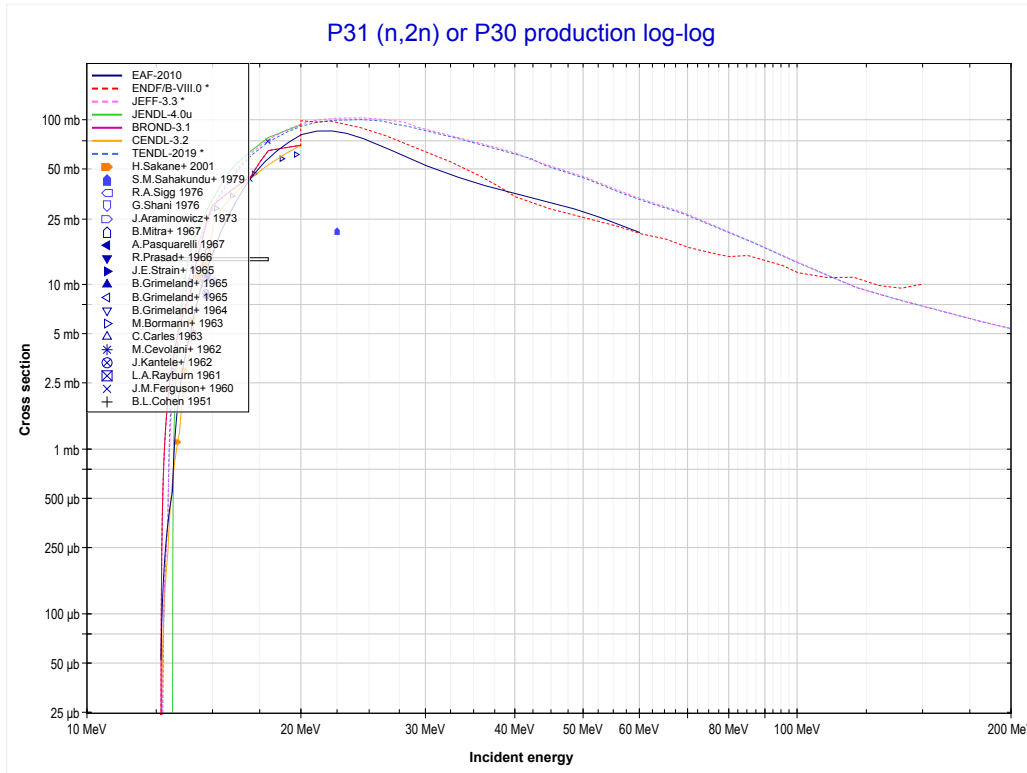
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.33617 b | 4.33617 b | 4.8702 b | 1.12316 | 51.1756 b | 2.96997 b | 1.8818 b |
| JEFF-3.3 | 3.3617 b | 3.3617 b | 3.7718 b | 1.12199 | 34.0943 b | 3.36188 b | 1.90061 b |
| JENDL-4.0u | 3.35127 b | 3.35127 b | 3.7598 b | 1.1219 | 37.1988 b | 2.88253 b | 1.83172 b |
| BROND-3.1 | 3.49779 b | 3.49779 b | 3.9232 b | 1.12163 | 38.376 b | 2.96736 b | 1.88417 b |
| CENDL-3.2 | 3.35857 b | 3.35857 b | 3.7697 b | 1.12242 | 37.3885 b | 3.17444 b | 1.8866 b |
| TENDL-2019 | 3.12988 b | 3.12988 b | 3.5099 b | 1.12141 | 33.8514 b | 3.41523 b | 1.9029 b |

| | | |
|------------------|------------------------|----------------|
| << 14-Si-30 | 15-P-31 | 16-S-32 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



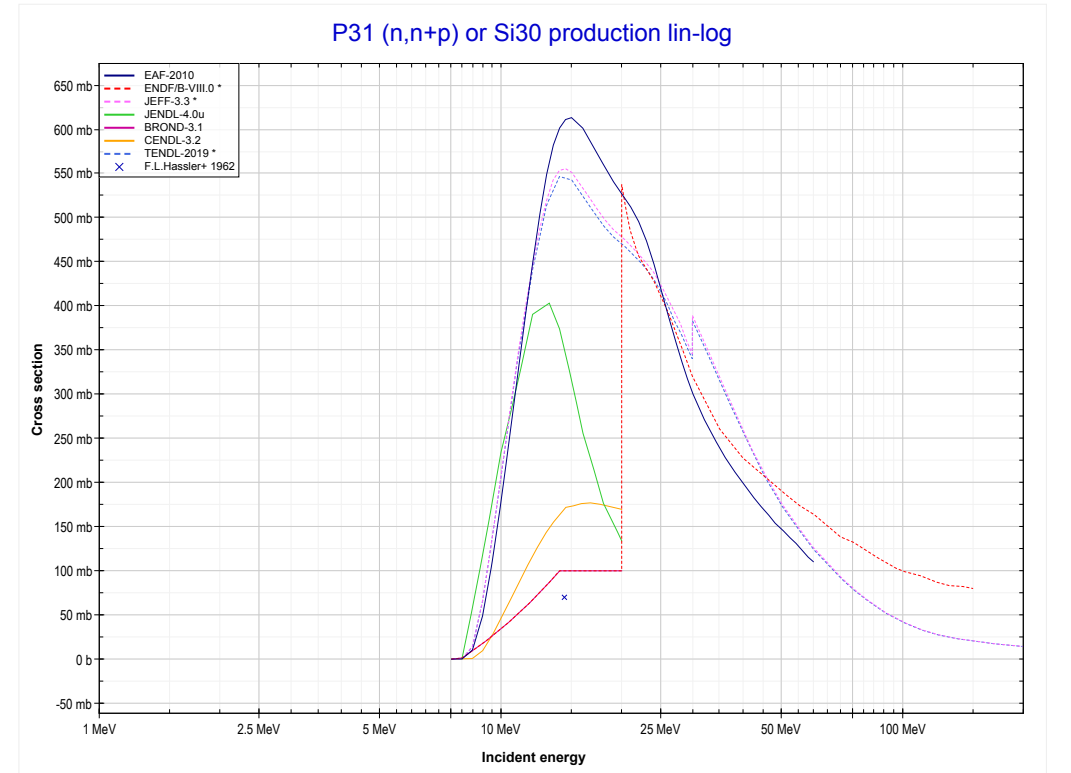
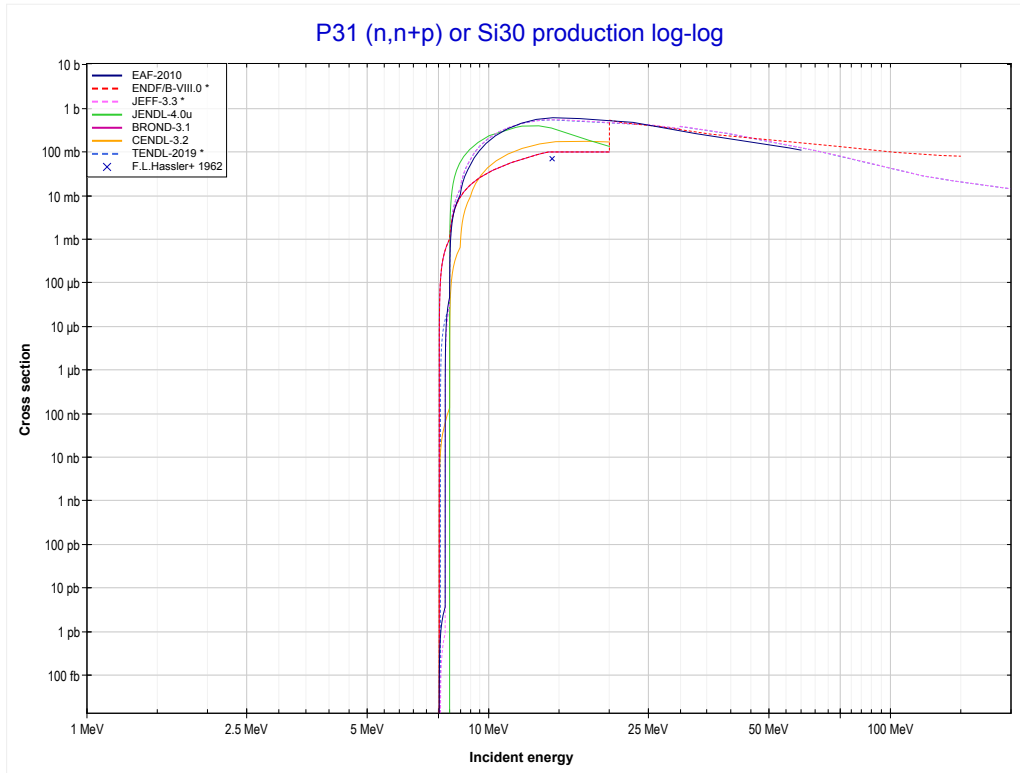
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.16676 b | 4.16676 b | 4.7011 b | 1.12825 | 51.0399 b | 2.64089 b | 0.9625 b |
| JEFF-3.3 | 3.19715 b | 3.19715 b | 3.6072 b | 1.12825 | 34.0178 b | 3.00315 b | 0.750826 b |
| JENDL-4.0u | 3.18503 b | 3.18503 b | 3.5935 b | 1.12825 | 37.123 b | 2.55552 b | 1.16071 b |
| BROND-3.1 | 3.31671 b | 3.31671 b | 3.7421 b | 1.12825 | 38.2929 b | 2.76186 b | 0.850372 b |
| CENDL-3.2 | 3.18048 b | 3.18048 b | 3.5886 b | 1.1283 | 37.3276 b | 2.85288 b | 0.7759 b |
| TENDL-2019 | 2.96154 b | 2.96154 b | 3.3415 b | 1.12831 | 33.7693 b | 3.04773 b | 0.750813 b |

| | | |
|--------------------|--|-----------------|
| << 14-Si-28 | 15-P-31 | 16-S-32 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (P30 production) | MT28 (n,n+p) >> |



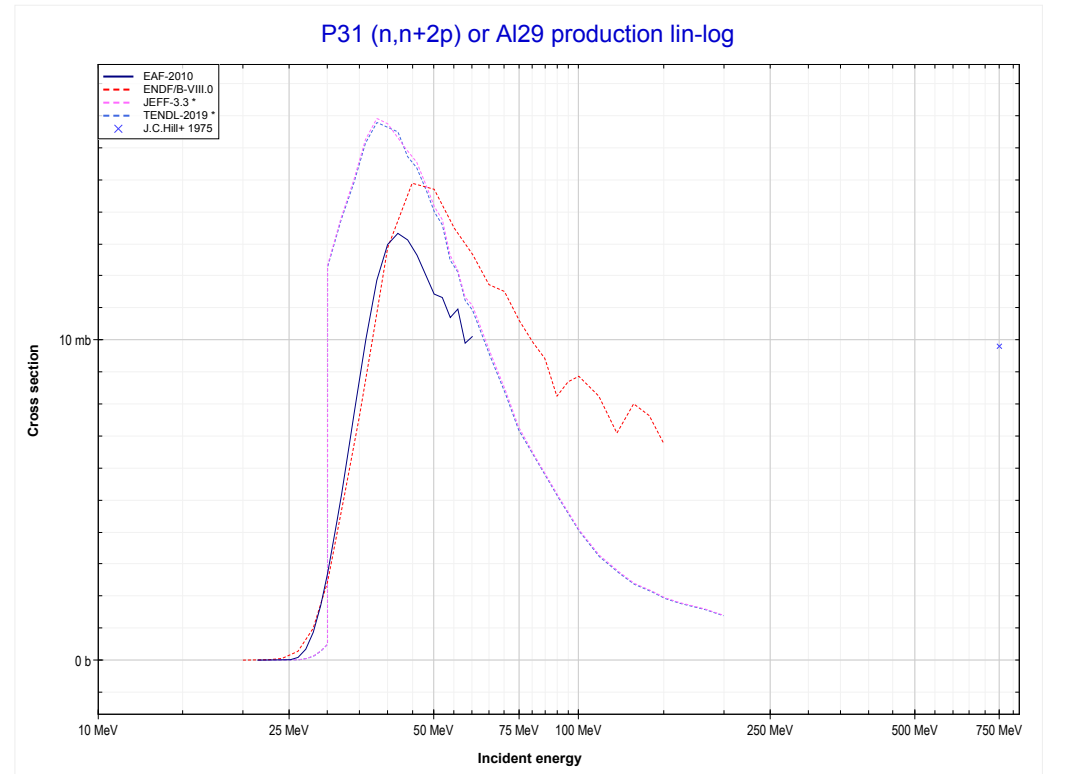
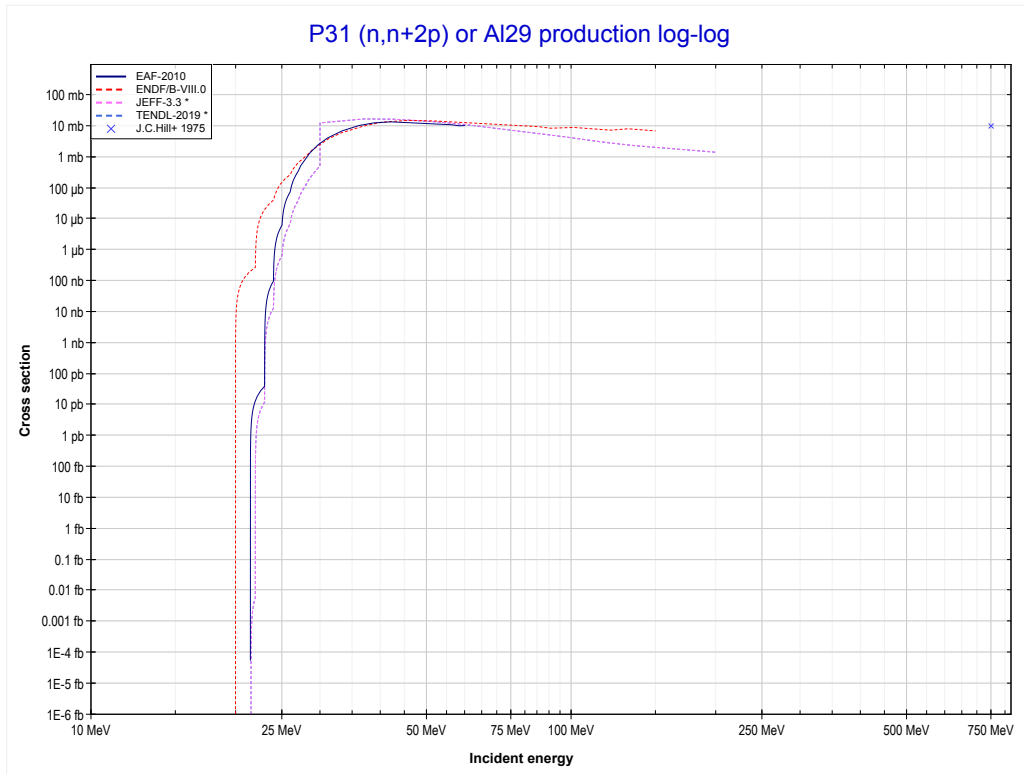
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.68244E-6 b | 0.00518931 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06984E-6 b | 0.009 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5678E-6 b | 0.0120872 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.04612E-6 b | 0.0160442 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06984E-6 b | 0.009 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85104E-6 b | 0.0041667 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5384E-6 b | 0.0118806 b |

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|----------------|--|------------------|
| << 14-Si-30 | 15-P-31 | 18-Ar-40 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Si30 production) | MT44 (n,n+2p) >> |



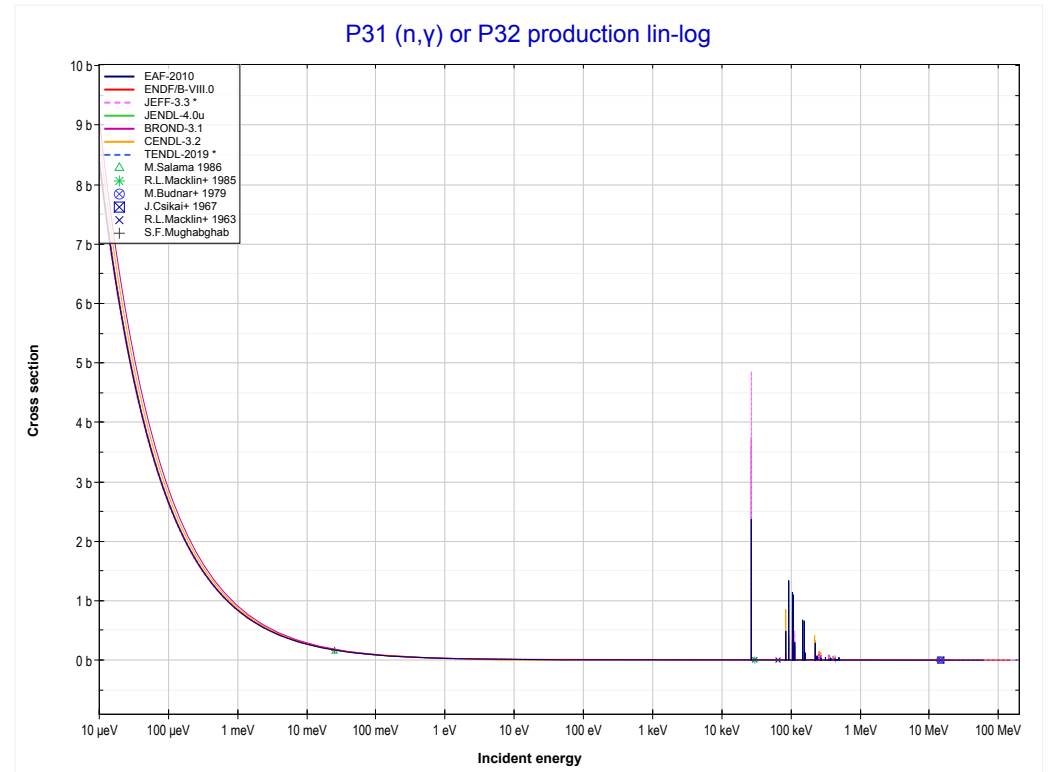
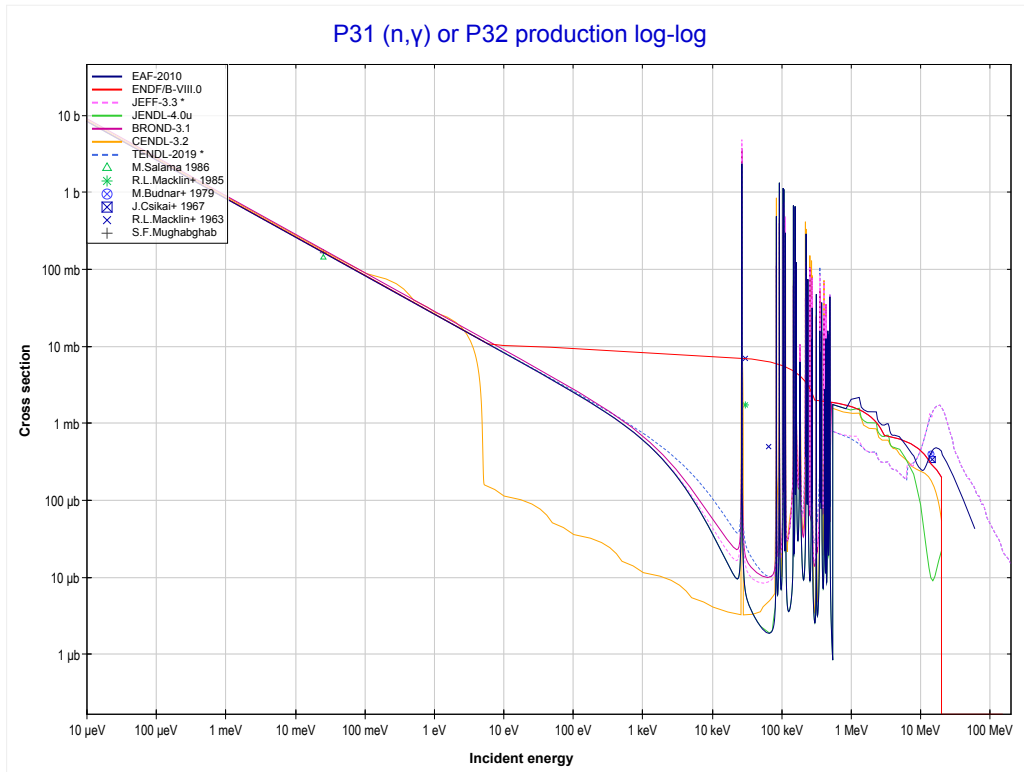
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94566E-4 b | 0.1 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00103899 b | 0.553573 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00115982 b | 0.37415 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94558E-4 b | 0.1 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.39518E-4 b | 0.16291 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0010294 b | 0.54656 b |

| | | |
|-----------------|---|-------------------------|
| << 8-O-16 | 15-P-31 | 21-Sc-45 >> |
| << MT28 (n,n+p) | MT44 (n,n+2p) or MT5 (Al29 production) | MT102 (n, γ) >> |



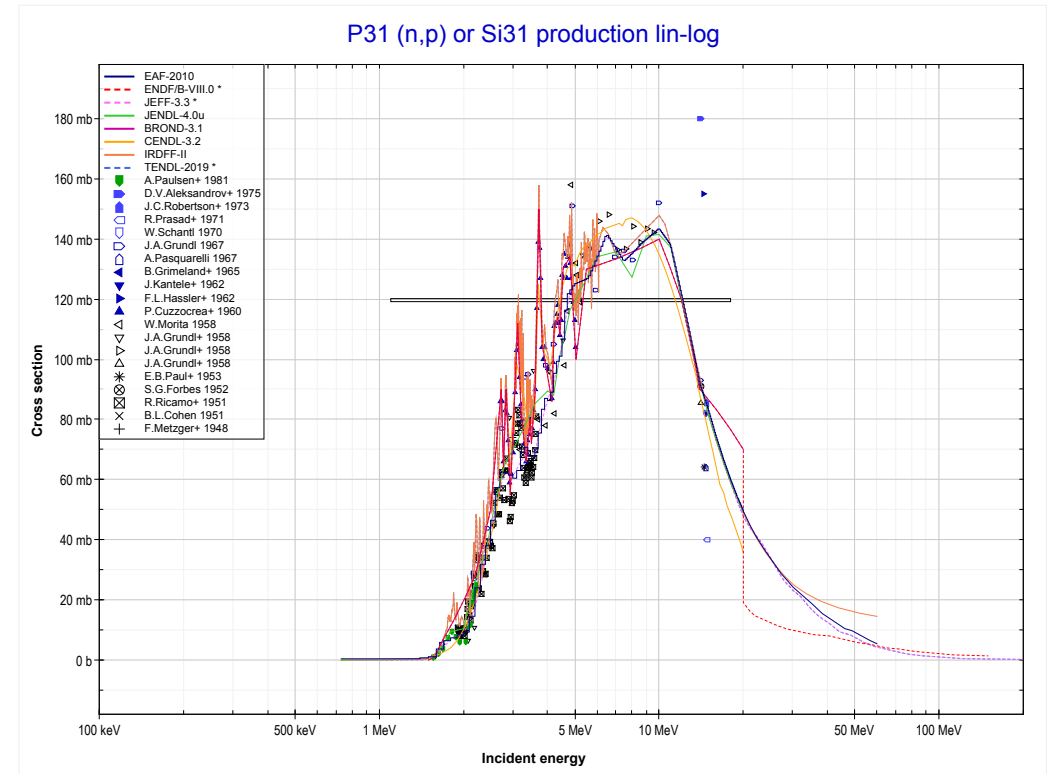
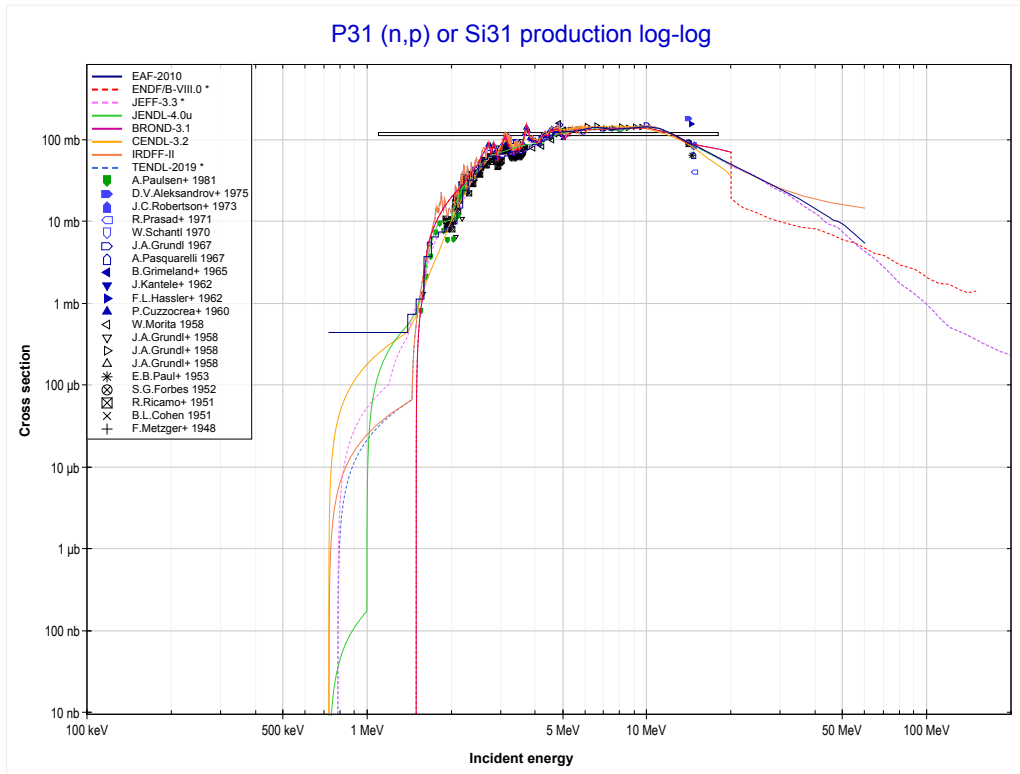
| Reaction | Q-Value |
|-----------------|---------------|
| P31(n,He3)Al29 | -13092.64 keV |
| P31(n,p+d)Al29 | -18586.12 keV |
| P31(n,n+2p)Al29 | -20810.68 keV |

| | | |
|------------------|--|----------------|
| << 14-Si-32 | 15-P-31 | 16-S-32 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (P32 production) | MT103 (n,p) >> |



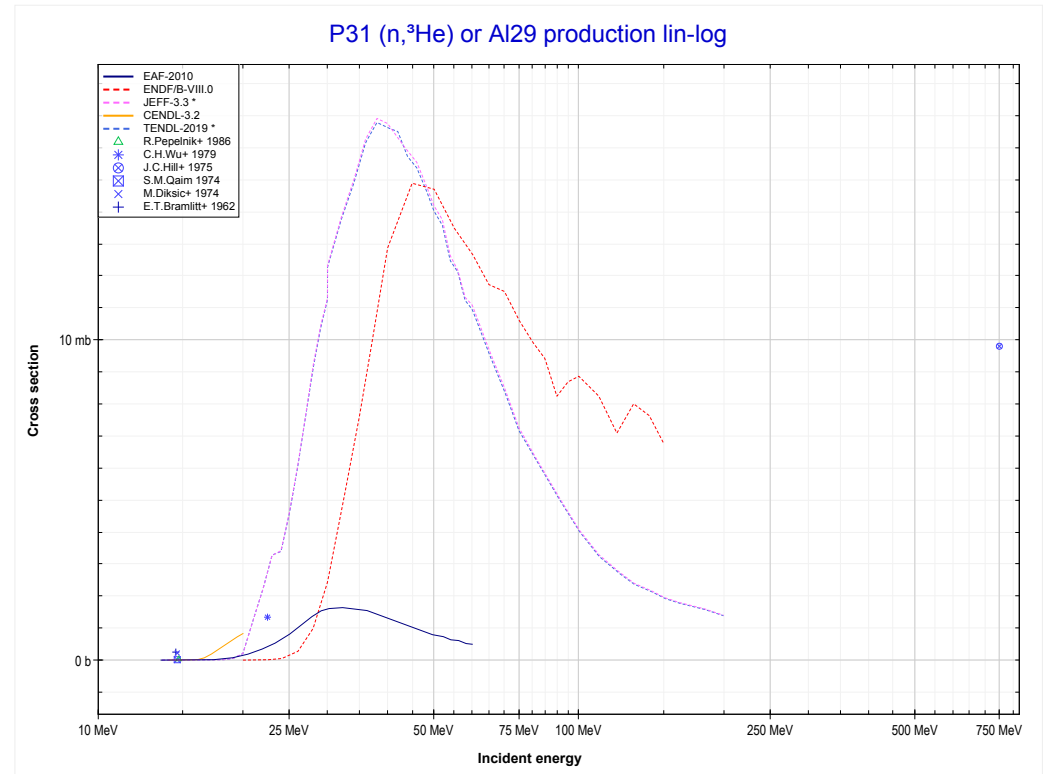
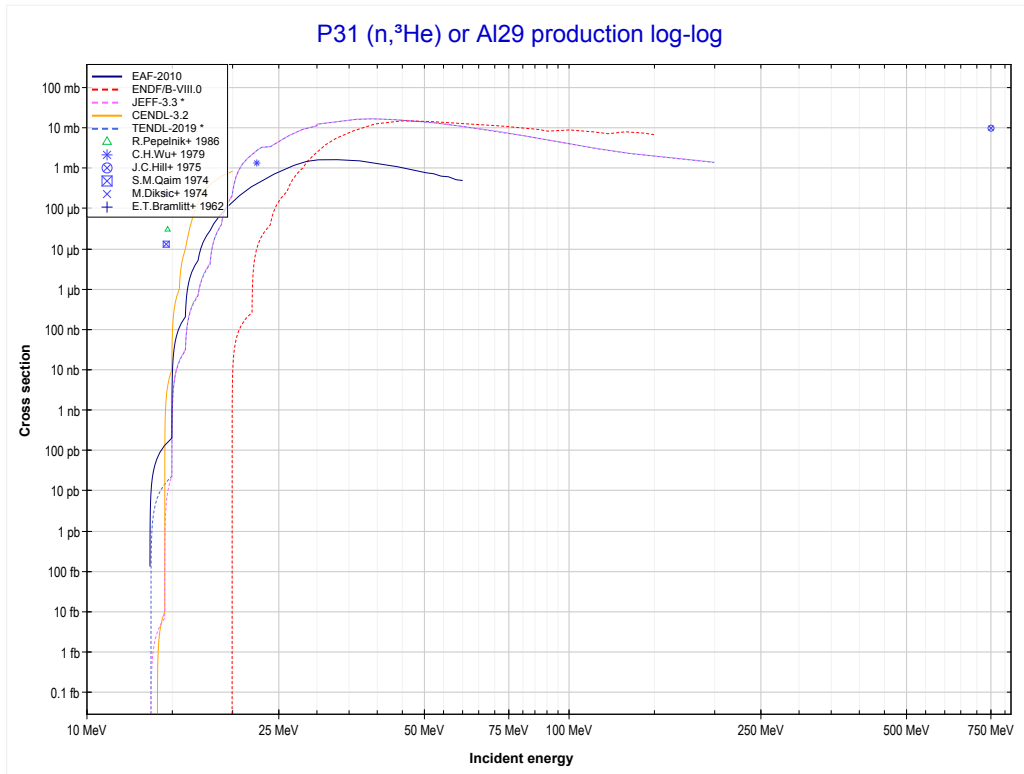
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.166356 b | 0.166231 b | 0.16619 b | 0.99972 | 0.0756908 b | 0.00127685 b | 4.08983E-4 b |
| ENDF/B-VIII.0 | 0.169413 b | 0.169413 b | 0.16905 b | 0.99786 | 0.135747 b | 0.00147381 b | 3E-4 b |
| JEFF-3.3 | 0.164547 b | 0.164547 b | 0.1646 b | 1.00033 | 0.0765419 b | 6.15537E-4 b | 0.00126077 b |
| JENDL-4.0u | 0.166236 b | 0.166236 b | 0.16629 b | 1.00033 | 0.0758141 b | 0.00101217 b | 9.89503E-6 b |
| BROND-3.1 | 0.181087 b | 0.181087 b | 0.18115 b | 1.00033 | 0.0831483 b | 0.00120562 b | 3E-4 b |
| CENDL-3.2 | 0.174896 b | 0.174896 b | 0.17692 b | 1.01157 | 0.0606922 b | 0.00142343 b | 1.8488E-4 b |
| TENDL-2019 | 0.16833 b | 0.16833 b | 0.16834 b | 1.00007 | 0.0779562 b | 5.87555E-4 b | 0.00125991 b |

| | | |
|-------------------------|---|------------------------------|
| << 14-Si-30 | 15-P-31 | 16-S-32 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Si31 production) | MT106 (n, ^3He) >> |



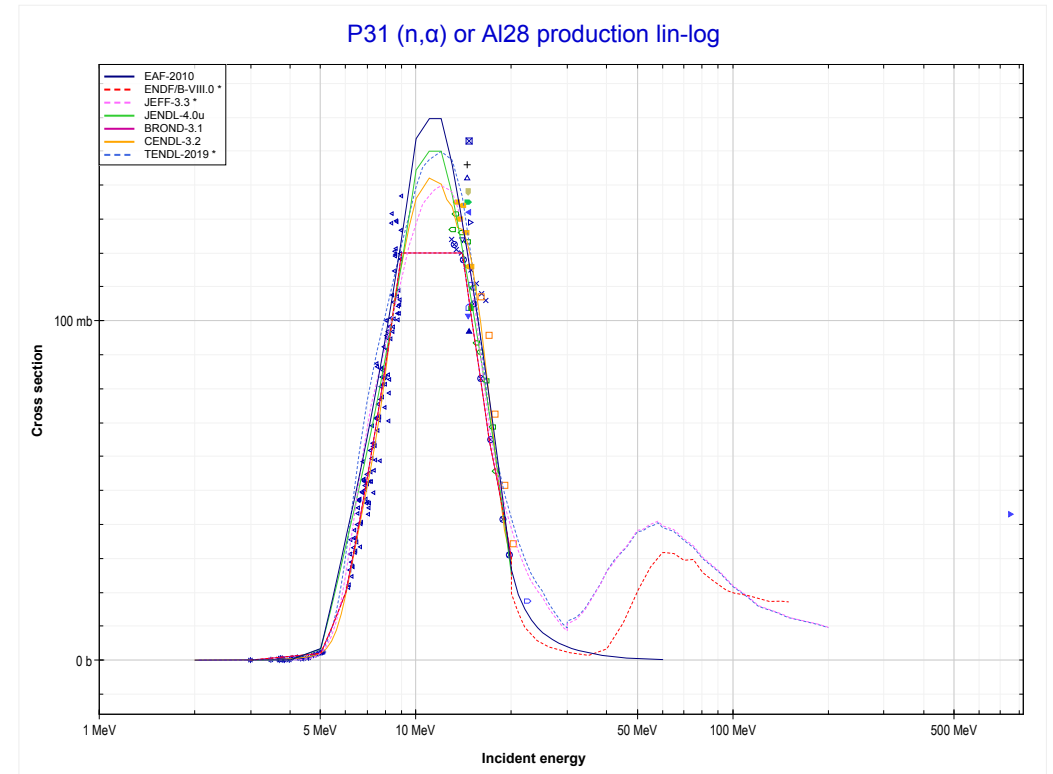
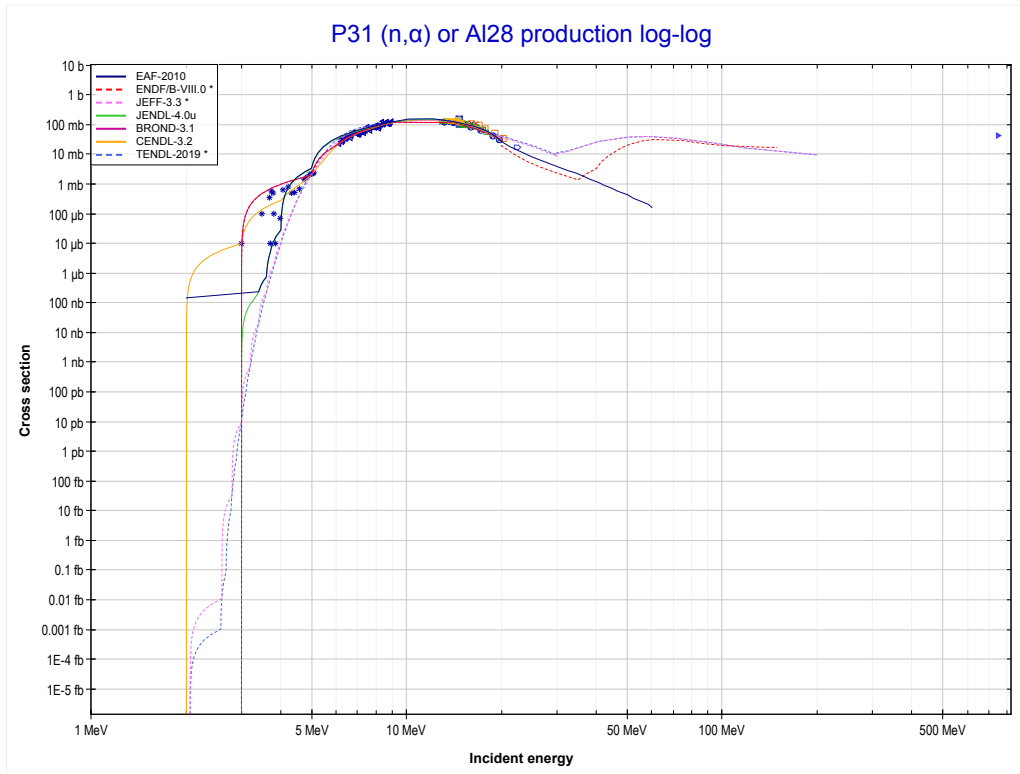
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0283709 b | 0.091425 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0333208 b | 0.09 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0282086 b | 0.09185 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0298726 b | 0.0919 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0333208 b | 0.09 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0318373 b | 0.08782 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0353289 b | 0.0936962 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0353283 b | 0.0936962 b |

| | | |
|----------------|--|----------------|
| << 13-AI-27 | 15-P-31 | 19-K-41 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Al29 production) | MT107 (n,α) >> |



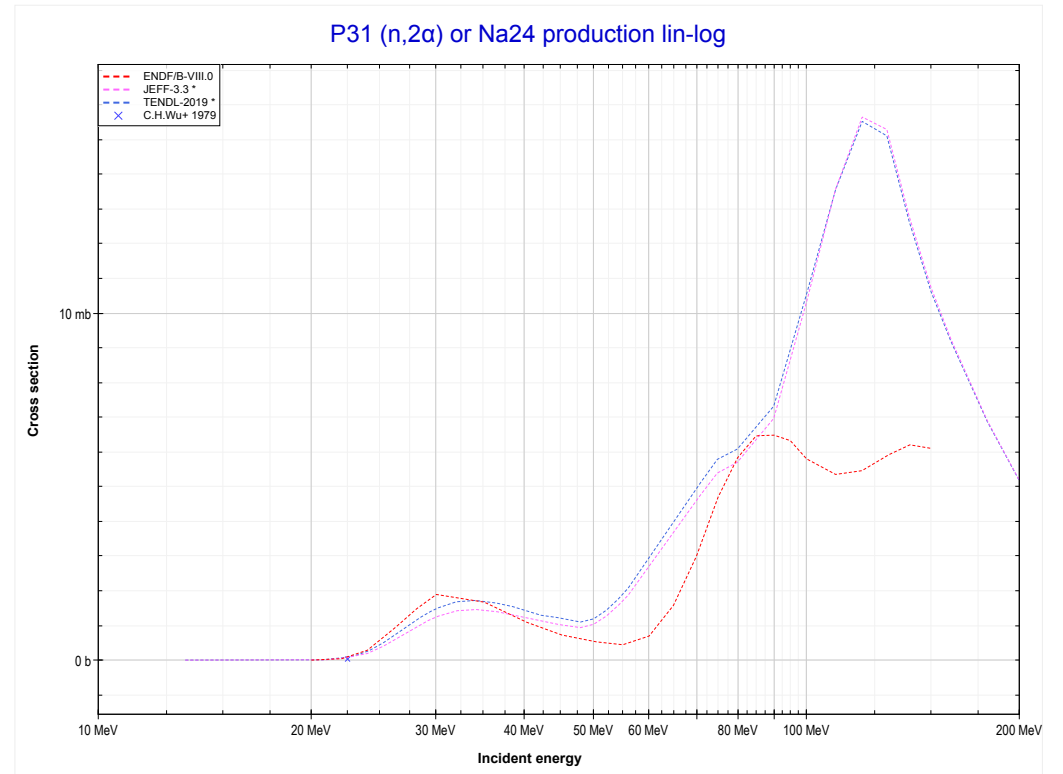
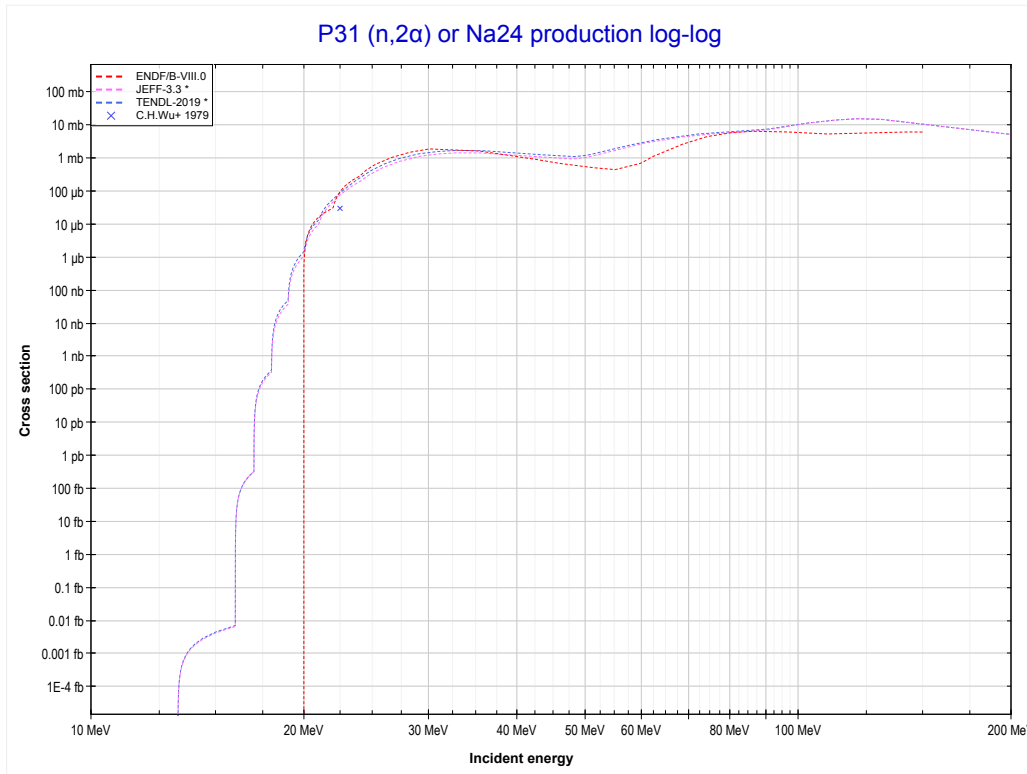
| Reaction | Q-Value |
|-----------------|---------------|
| P31(n,He3)Al29 | -13092.64 keV |
| P31(n,p+d)Al29 | -18586.12 keV |
| P31(n,n+2p)Al29 | -20810.68 keV |

| | | |
|-------------------------------|---|-----------------|
| << 14-Si-30 | 15-P-31 | 16-S-32 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Al28 production) | MT108 (n,2α) >> |



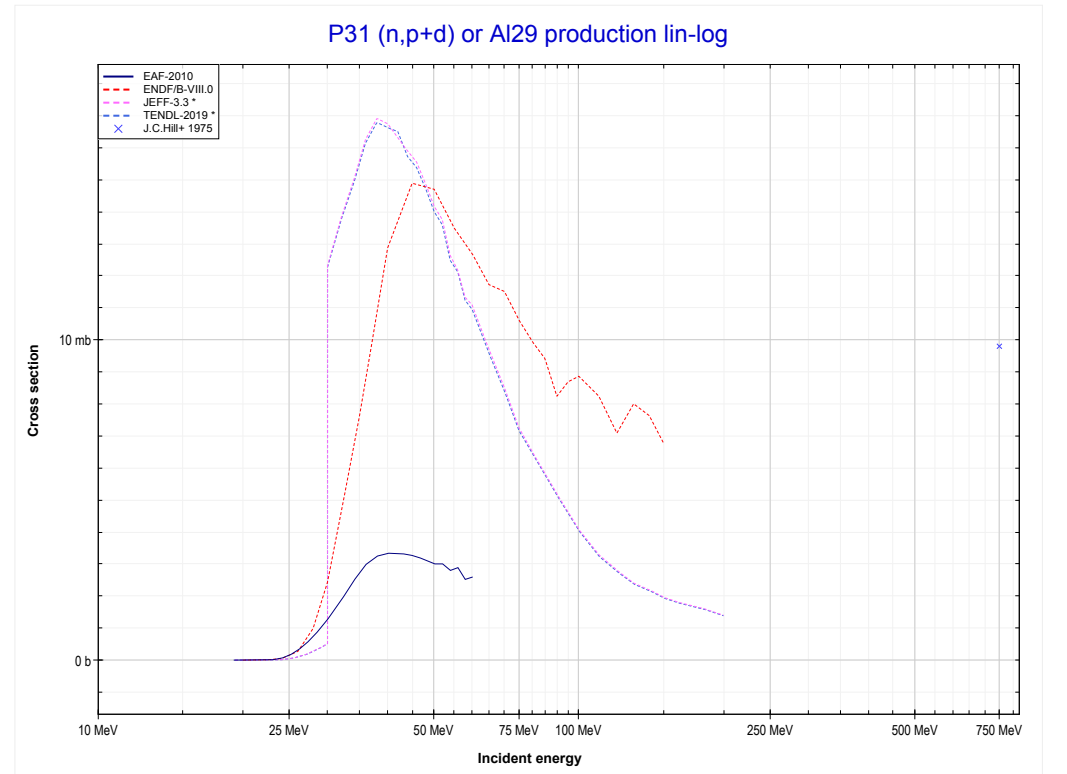
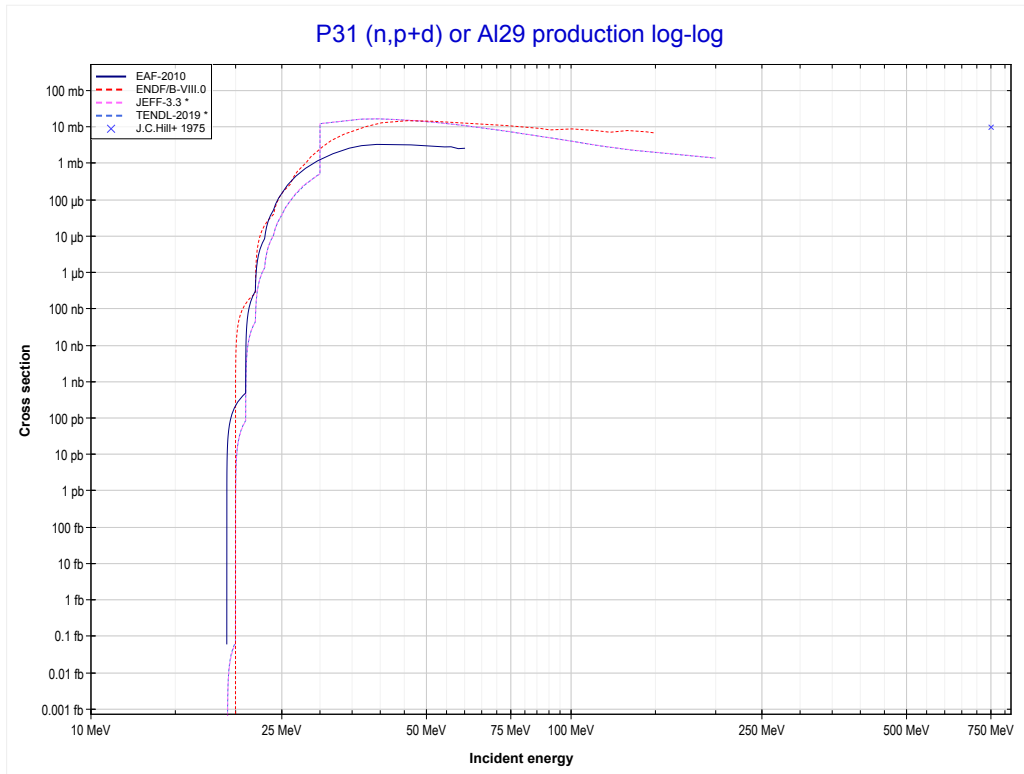
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00296174 b | 0.12894 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00234775 b | 0.12 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00250784 b | 0.128525 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00278365 b | 0.121187 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00234775 b | 0.12 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00220894 b | 0.12689 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00282756 b | 0.136548 b |

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|-------------------------|--|------------------|
| << 8-O-16 | 15-P-31 | 19-K-39 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Na24 production) | MT115 (n,p+d) >> |



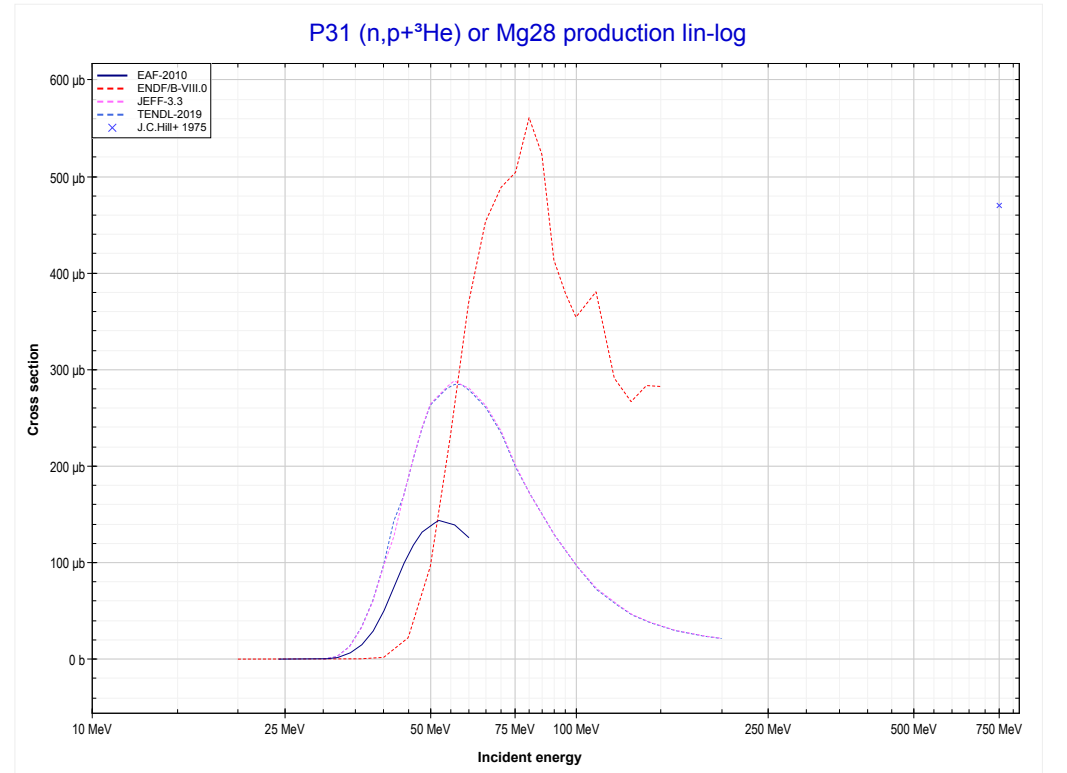
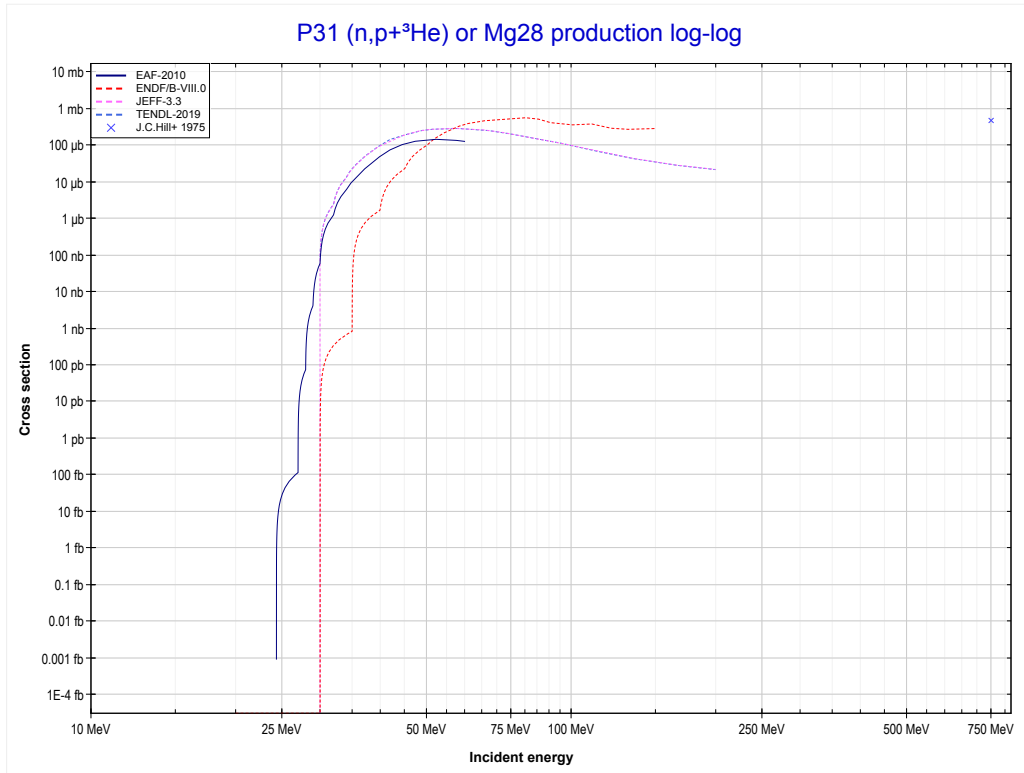
| Reaction | Q-Value | Reaction | Q-Value |
|-----------------------------|---------------|-----------------------|---------------|
| P31(n,2 α)Na24 | -12801.15 keV | P31(n,n+p+t+He3)Na24 | -53192.64 keV |
| P31(n,p+t+ α)Na24 | -32615.02 keV | P31(n,2n+2He3)Na24 | -53956.39 keV |
| P31(n,n+He3+ α)Na24 | -33378.77 keV | P31(n,p+2d+t)Na24 | -56461.55 keV |
| P31(n,2d+ α)Na24 | -36647.68 keV | P31(n,n+2d+He3)Na24 | -57225.30 keV |
| P31(n,n+p+d+ α)Na24 | -38872.25 keV | P31(n,n+2p+d+t)Na24 | -58686.11 keV |
| P31(n,2n+2p+ α)Na24 | -41096.81 keV | P31(n,2n+p+d+He3)Na24 | -59449.87 keV |
| P31(n,d+t+He3)Na24 | -50968.07 keV | P31(n,4d)Na24 | -60494.21 keV |
| P31(n,2p+2t)Na24 | -52428.88 keV | P31(n,2n+3p+t)Na24 | -60910.68 keV |

| | | |
|-----------------|---|---------------------------------|
| << 8-O-16 | 15-P-31 | 21-Sc-45 >> |
| << MT108 (n,2α) | MT115 (n,p+d) or MT5 (Al29 production) | MT191 (n,p+ ³ He) >> |



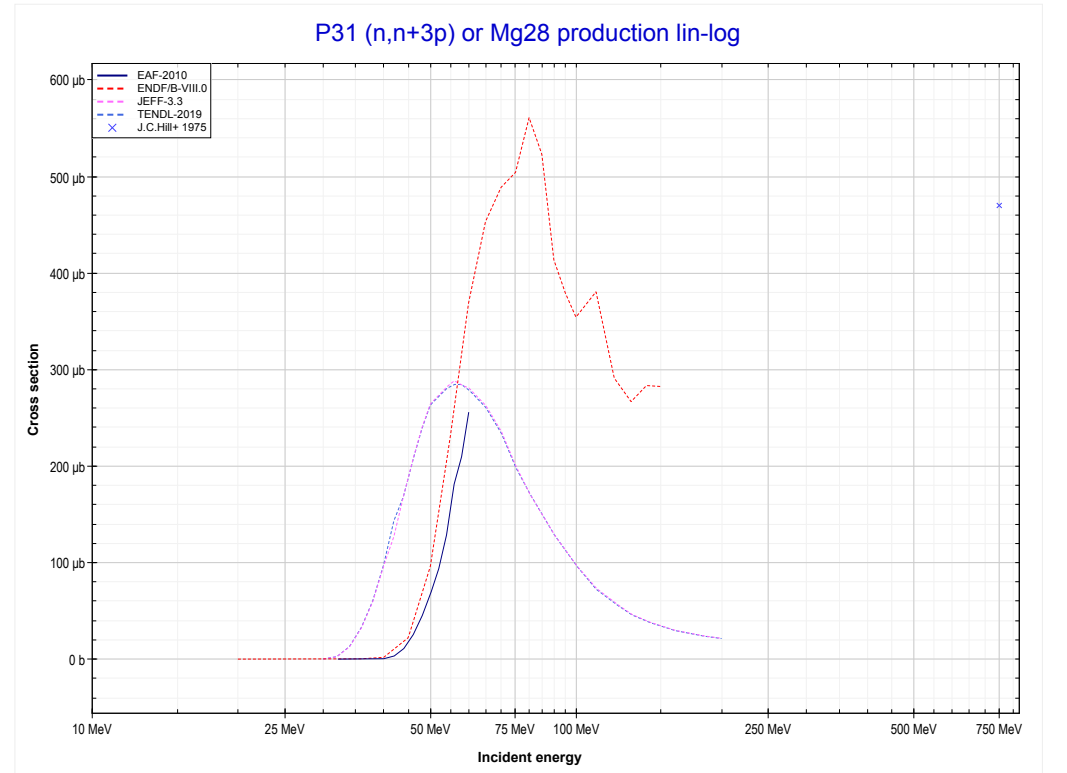
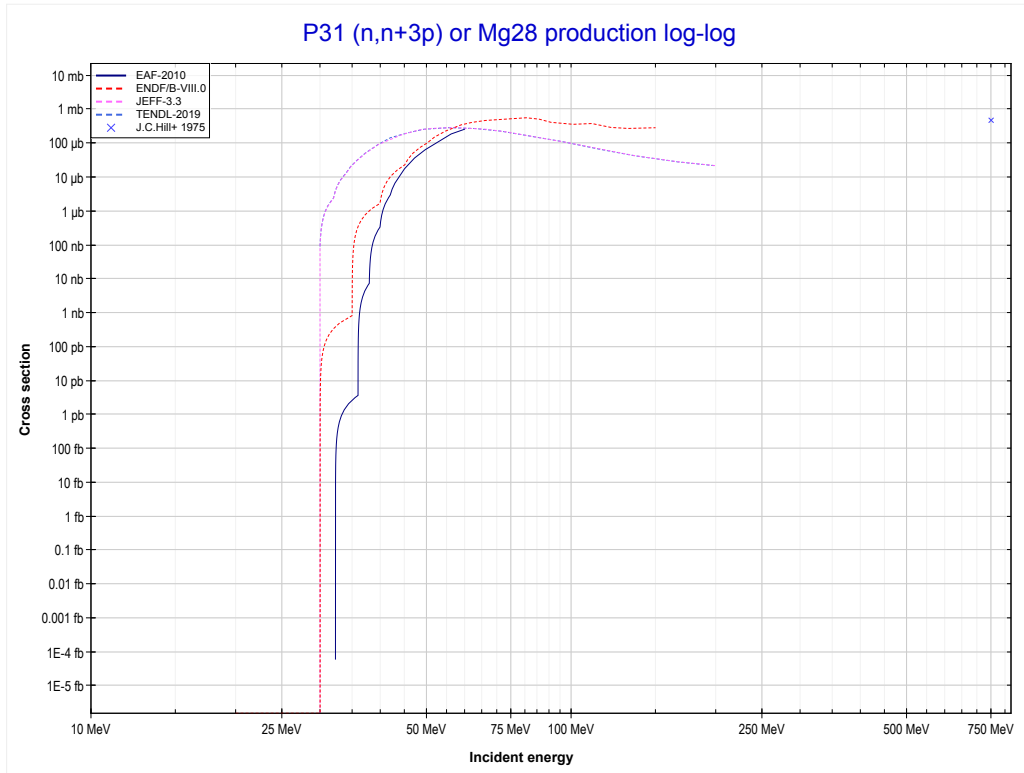
| Reaction | Q-Value |
|-----------------|---------------|
| P31(n,He3)Al29 | -13092.64 keV |
| P31(n,p+d)Al29 | -18586.12 keV |
| P31(n,n+2p)Al29 | -20810.68 keV |

| | | |
|------------------|--|-------------------|
| << 6-C-12 | 15-P-31 | 19-K-41 >> |
| << MT115 (n,p+d) | MT191 (n,p+³He) or MT5 (Mg28 production) | MT198 (n,n+3p) >> |



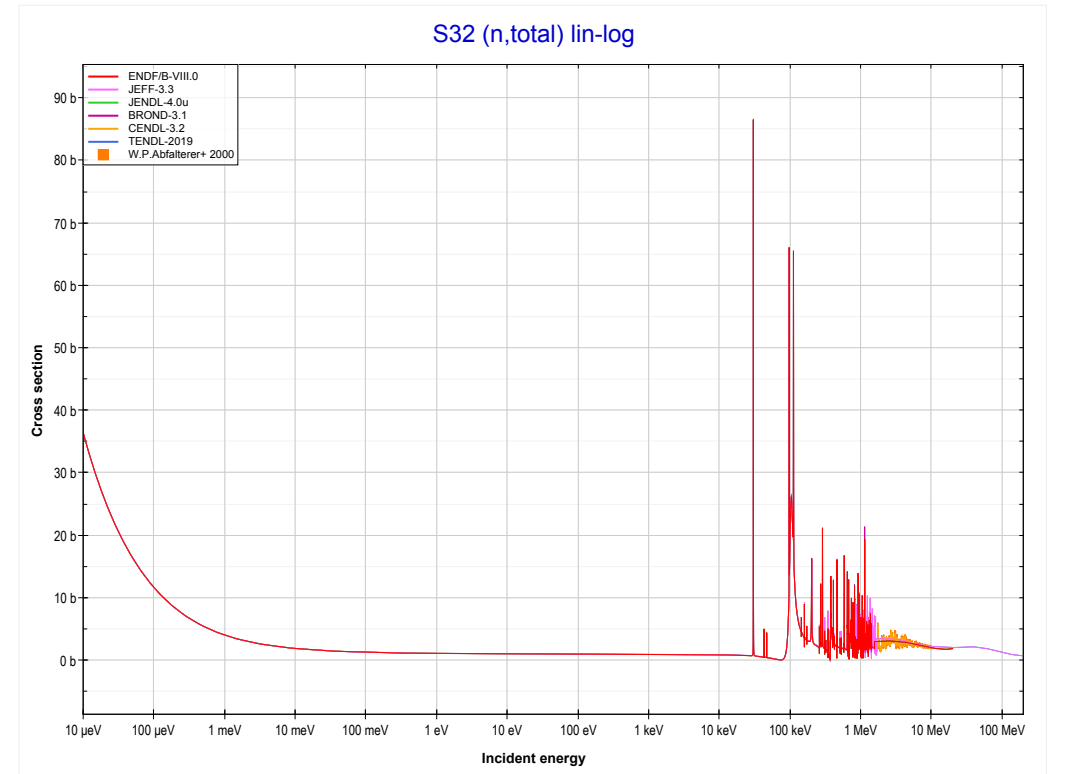
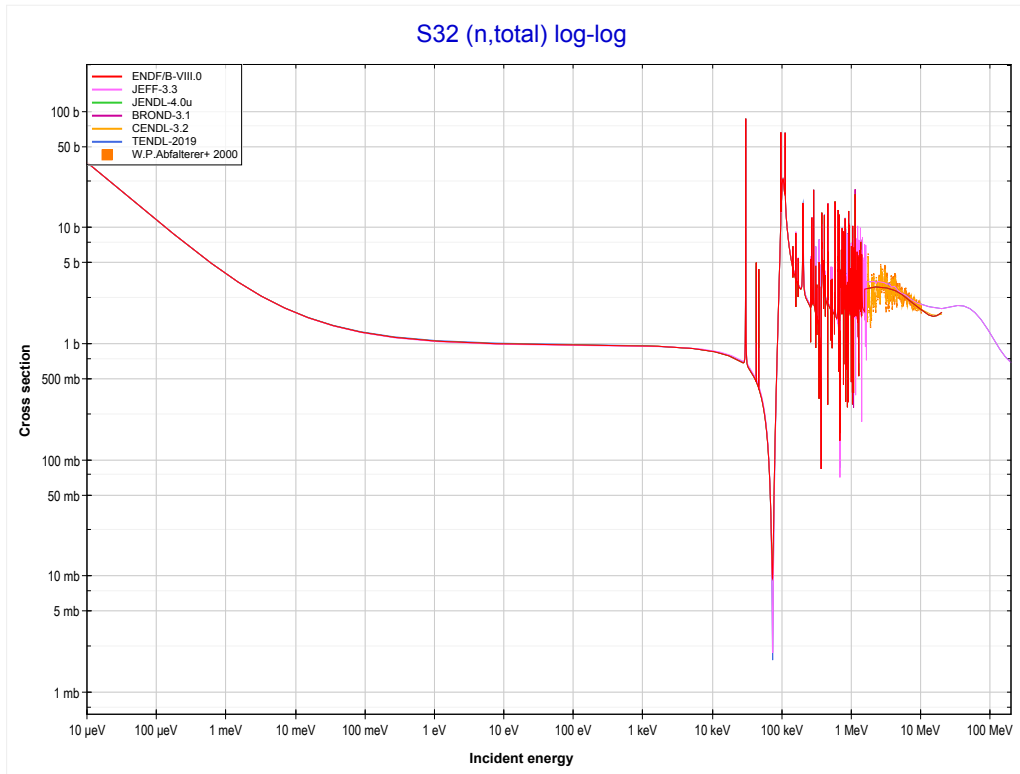
| Reaction | Q-Value |
|------------------|---------------|
| P31(n,p+He3)Mg28 | -23570.61 keV |
| P31(n,2p+d)Mg28 | -29064.09 keV |
| P31(n,n+3p)Mg28 | -31288.65 keV |

| | | |
|---------------------------------|--|--------------------------|
| << 6-C-12 | 15-P-31 | 19-K-41 >> |
| << MT191 (n,p+ ³ He) | MT198 (n,n+3p) or MT5 (Mg28 production) | 16-S-32 MT1 (n,total) >> |



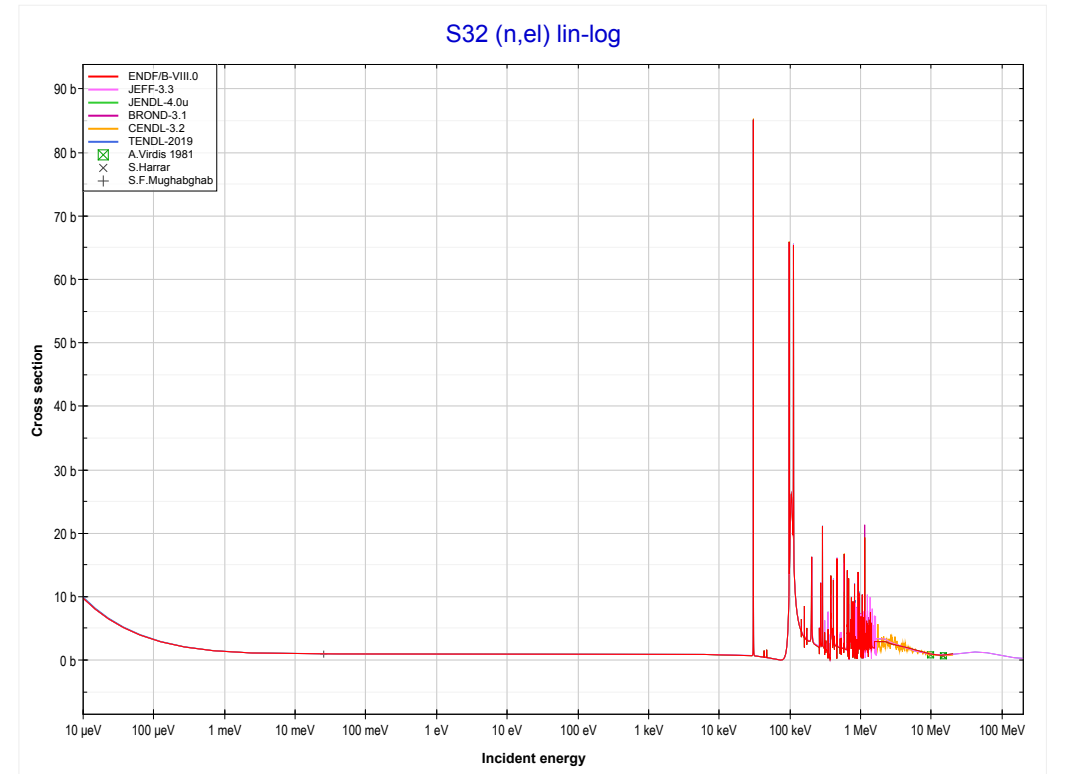
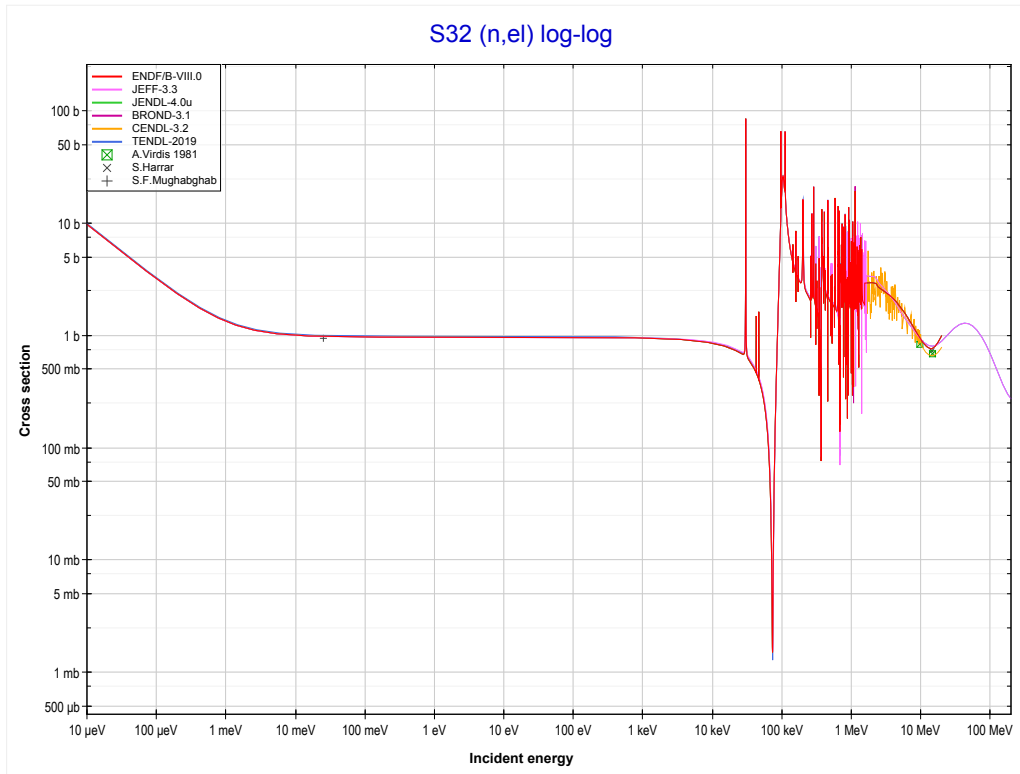
| Reaction | Q-Value |
|------------------|---------------|
| P31(n,p+He3)Mg28 | -23570.61 keV |
| P31(n,2p+d)Mg28 | -29064.09 keV |
| P31(n,n+3p)Mg28 | -31288.65 keV |

| | | |
|---------------------------|----------------------|--------------------|
| << 15-P-31 | 16-S-32 | 16-S-33 >> |
| << 15-P-31 MT198 (n,n+3p) | MT1 (n,total) | MT2 (n,elastic) >> |



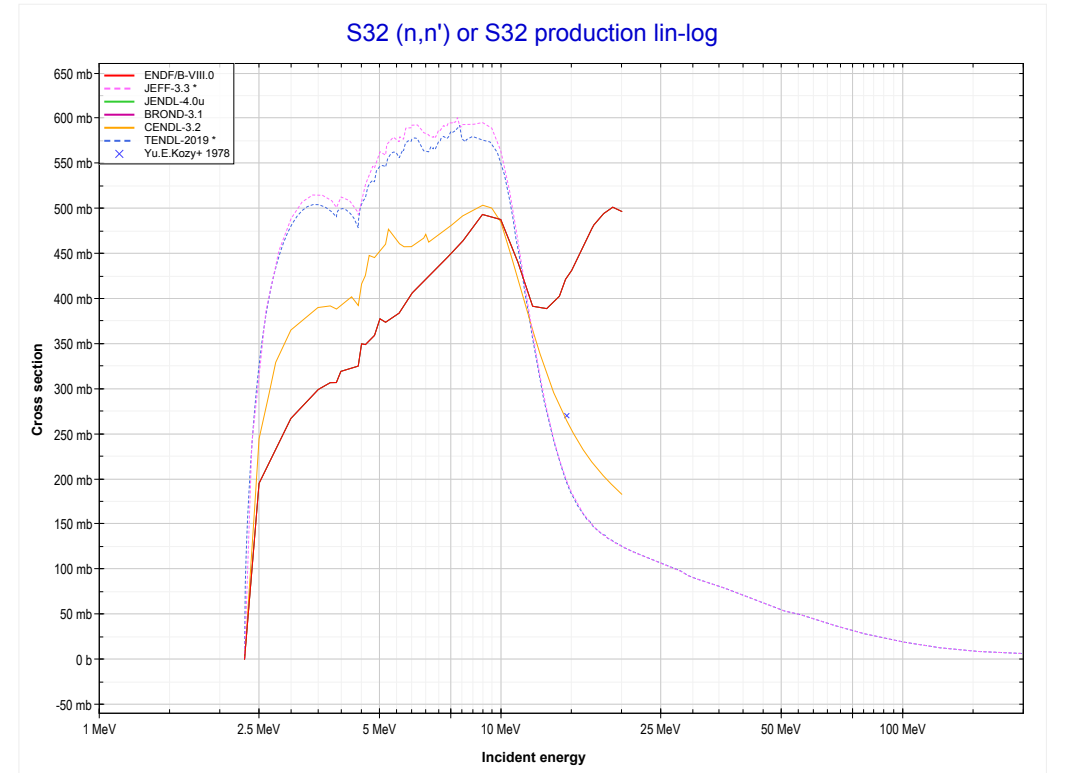
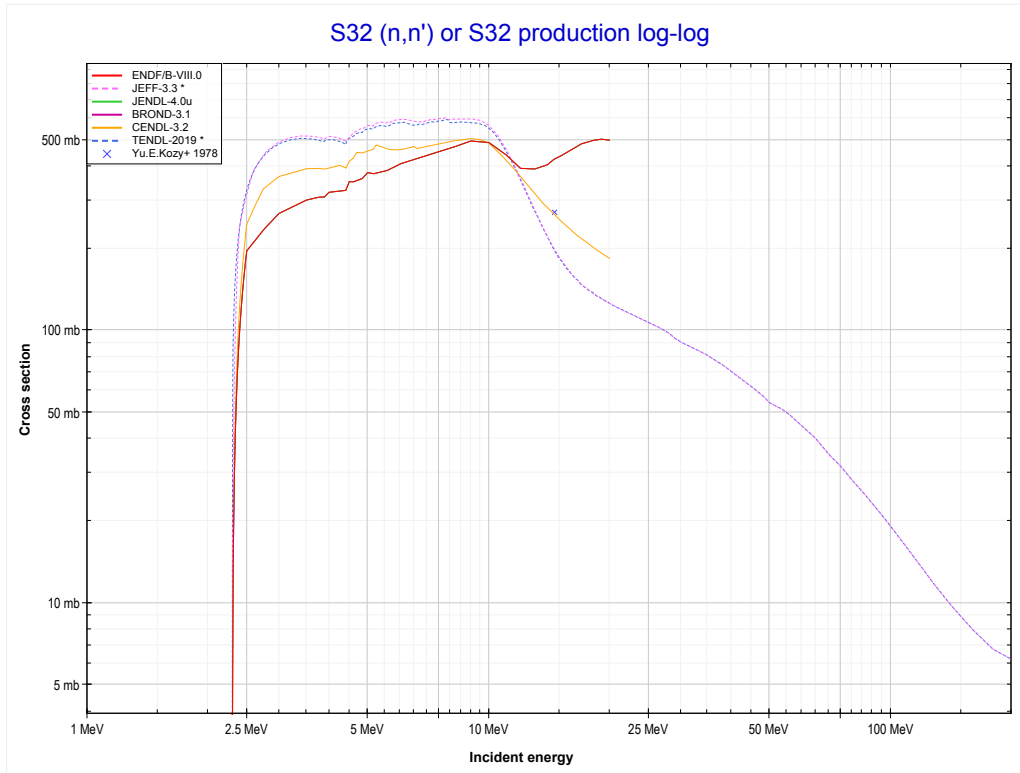
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.51415 b | 1.51415 b | 1.6408 b | 1.08362 | 12.252 b | 2.77569 b | 1.73699 b |
| JEFF-3.3 | 1.50651 b | 1.50651 b | 1.6318 b | 1.08319 | 12.2027 b | 2.90637 b | 2.06787 b |
| JENDL-4.0u | 1.51415 b | 1.51415 b | 1.6408 b | 1.08362 | 12.252 b | 2.77569 b | 1.73699 b |
| BROND-3.1 | 1.51415 b | 1.51415 b | 1.6408 b | 1.08362 | 12.252 b | 2.77566 b | 1.73699 b |
| CENDL-3.2 | 1.51398 b | 1.51398 b | 1.6405 b | 1.08357 | 12.255 b | 2.73247 b | 1.7923 b |
| TENDL-2019 | 1.52359 b | 1.52359 b | 1.6518 b | 1.08415 | 12.3402 b | 3.15407 b | 2.07543 b |

| | | |
|------------------|------------------------|---------------|
| << 15-P-31 | 16-S-32 | 16-S-33 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



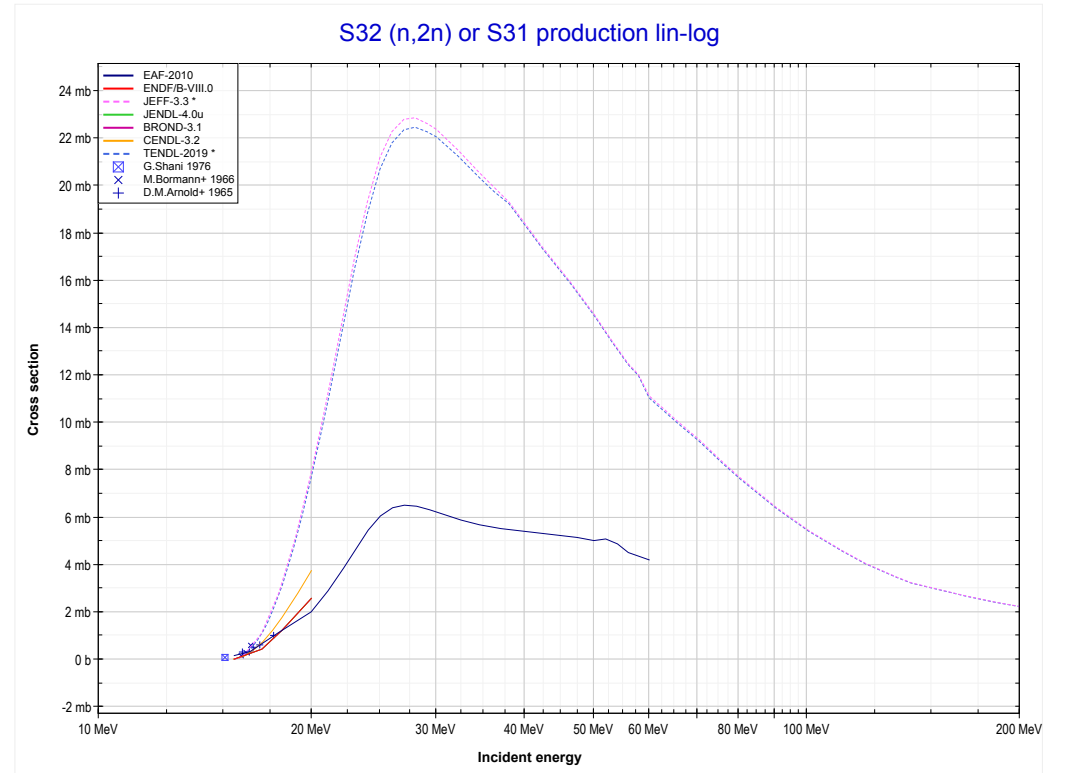
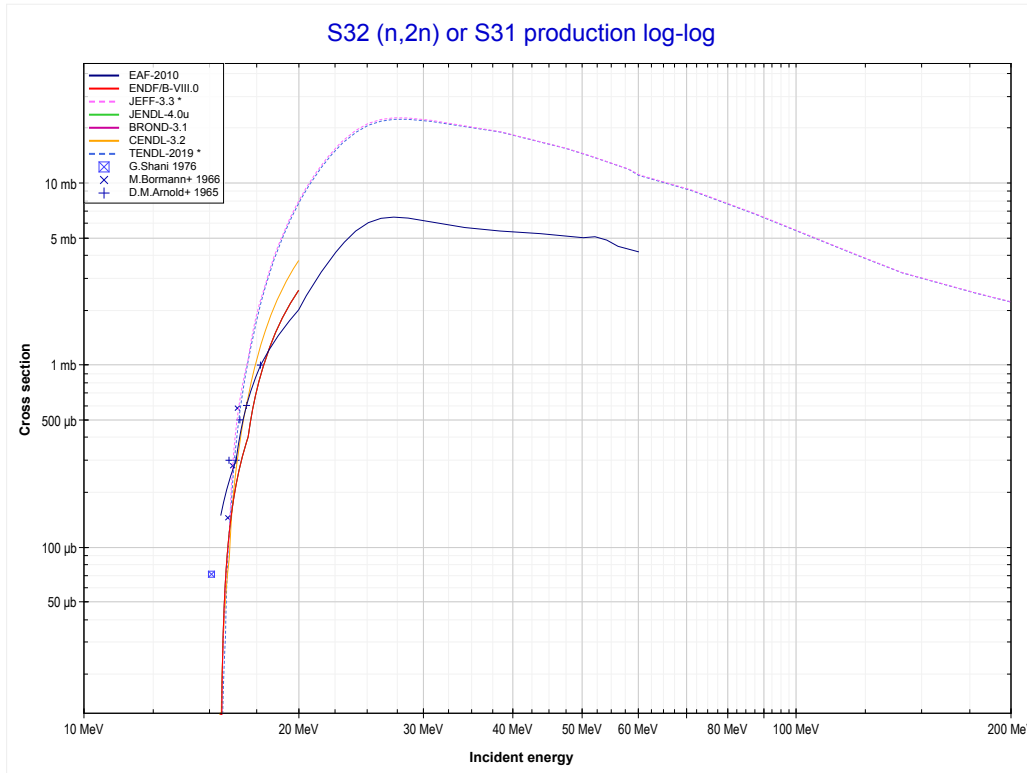
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.97867 b | 0.97867 b | 1.1042 b | 1.12826 | 11.9215 b | 2.53269 b | 0.76331 b |
| JEFF-3.3 | 0.975712 b | 0.975712 b | 1.1009 b | 1.12826 | 11.9576 b | 2.61172 b | 0.803505 b |
| JENDL-4.0u | 0.97867 b | 0.97867 b | 1.1042 b | 1.12826 | 11.9215 b | 2.53269 b | 0.76331 b |
| BROND-3.1 | 0.97867 b | 0.97867 b | 1.1042 b | 1.12826 | 11.9215 b | 2.53266 b | 0.76331 b |
| CENDL-3.2 | 0.97867 b | 0.97867 b | 1.1042 b | 1.12832 | 11.9229 b | 2.47846 b | 0.661442 b |
| TENDL-2019 | 0.998939 b | 0.998939 b | 1.1271 b | 1.12832 | 12.1001 b | 2.85295 b | 0.803517 b |

| | | |
|--------------------|---|----------------|
| << 14-Si-30 | 16-S-32 | 22-Ti-48 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (S32 production) | MT16 (n,2n) >> |



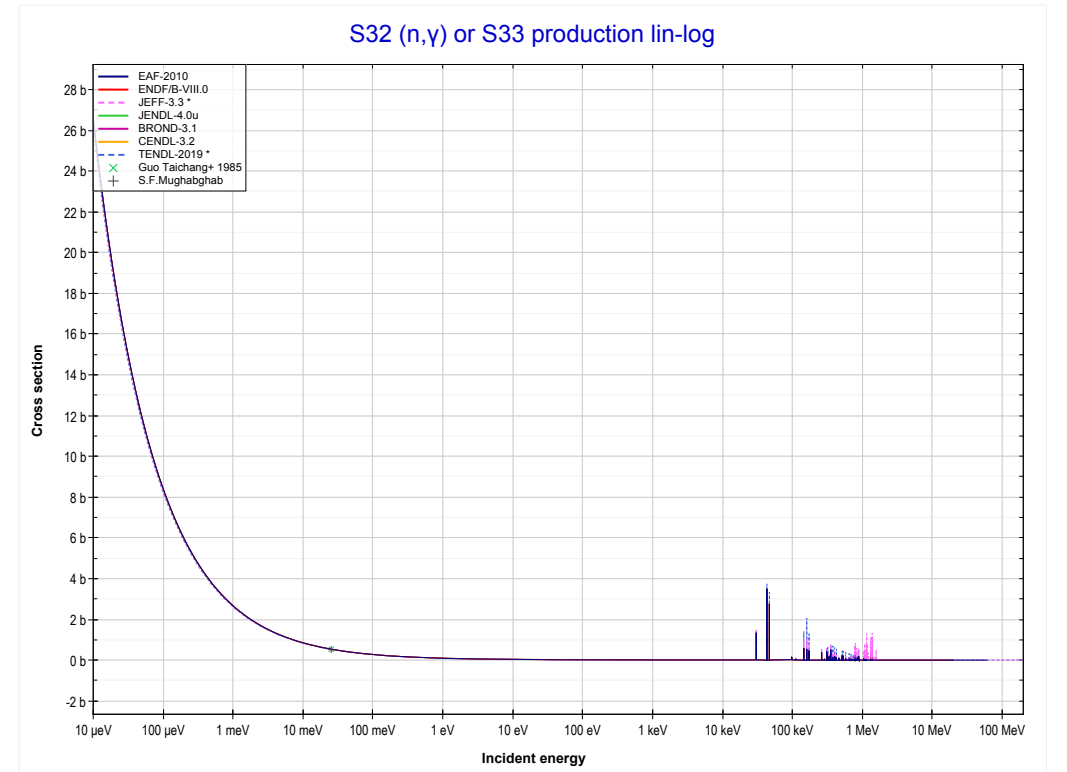
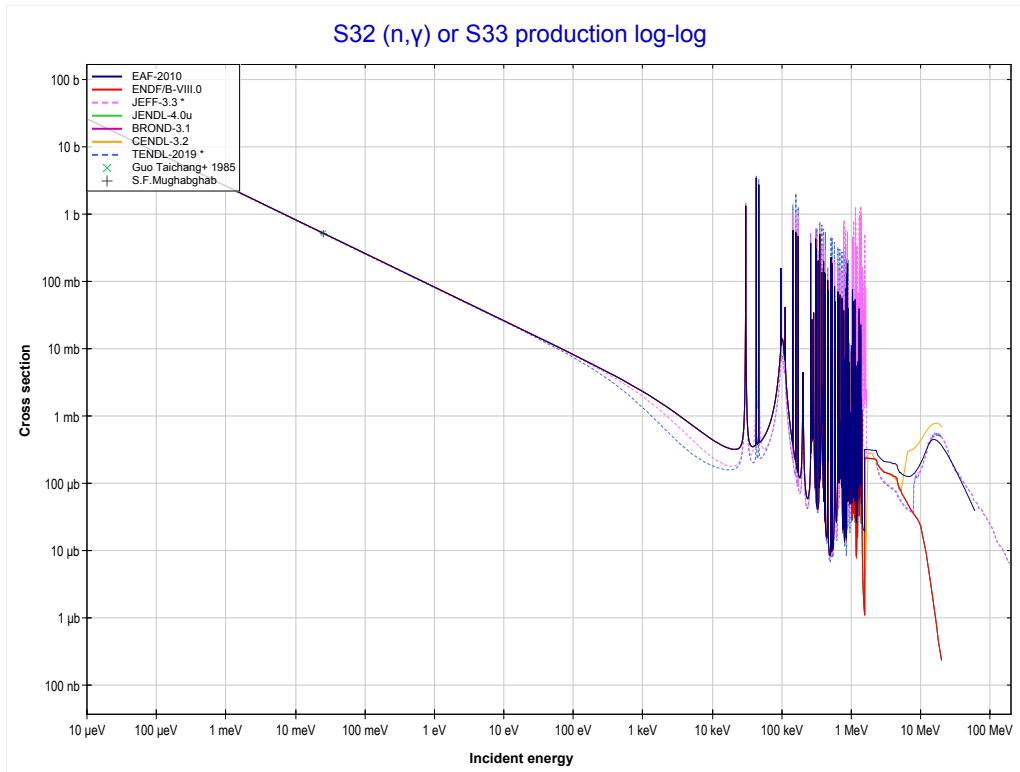
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0947934 b | 0.402576 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.155353 b | 0.22088 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0947934 b | 0.402576 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0947934 b | 0.402576 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.118999 b | 0.281551 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.153663 b | 0.220116 b |

| | | |
|---------------|--|-------------------------|
| << 15-P-31 | 16-S-32 | 17-CI-35 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (S31 production) | MT102 (n, γ) >> |



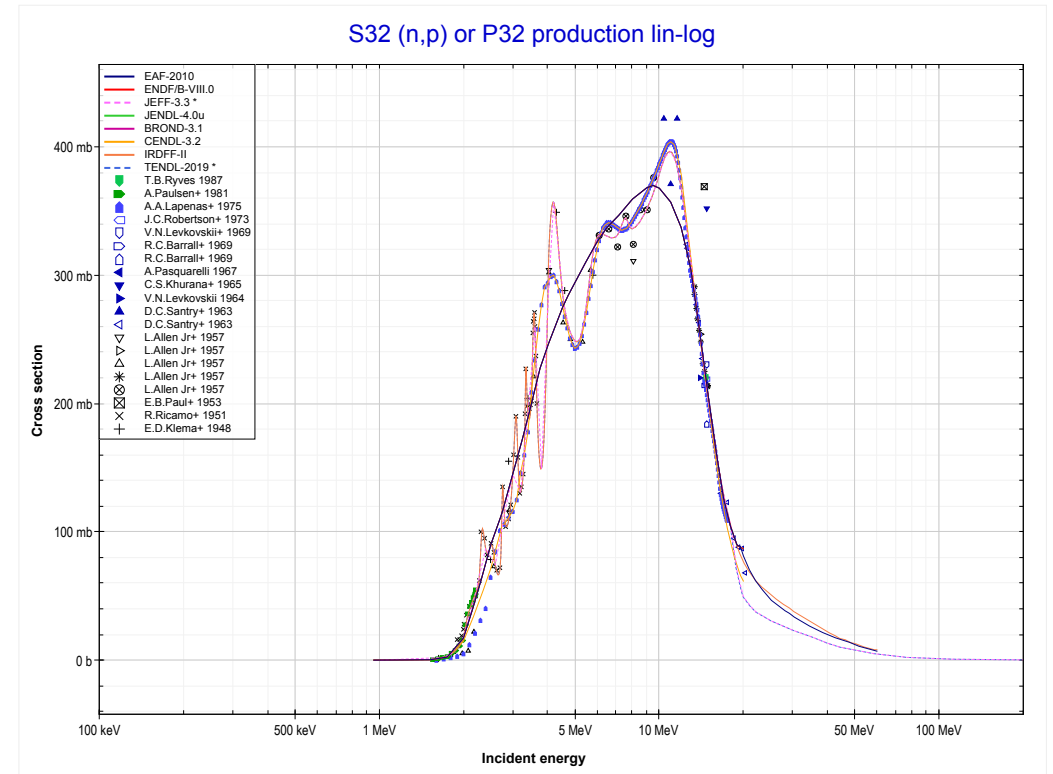
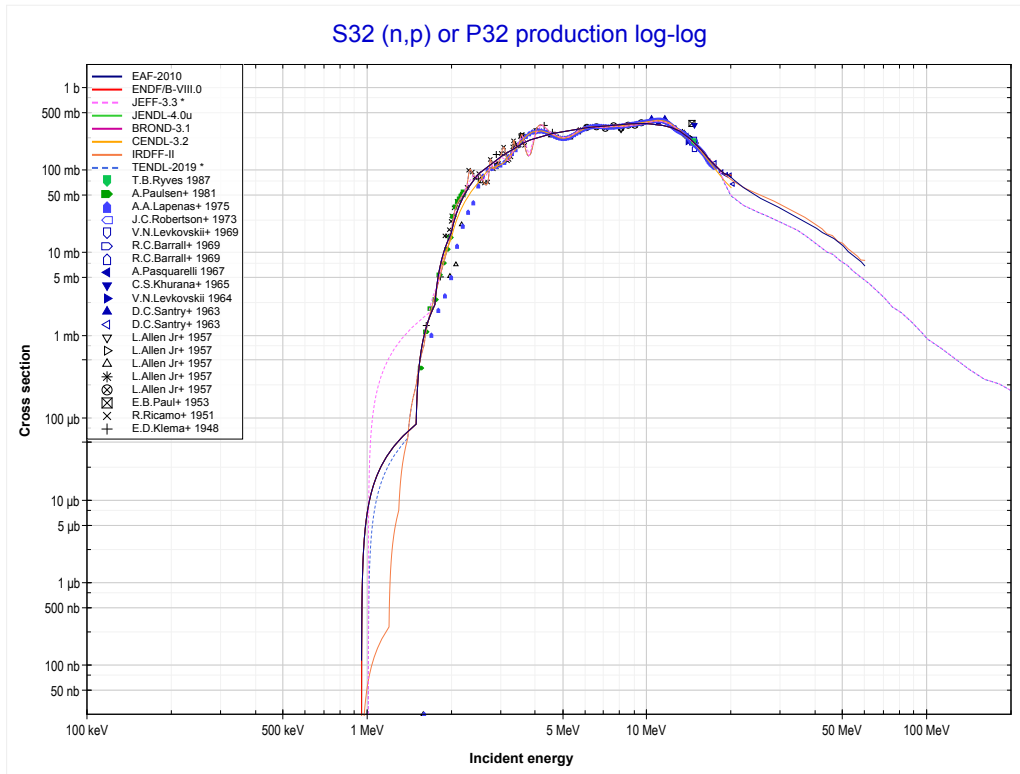
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00728E-8 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79883E-8 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.63334E-8 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.79883E-8 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79883E-8 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.54272E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.36772E-8 b | 0 b |

| | | |
|----------------|--|----------------|
| << 15-P-31 | 16-S-32 | 16-S-33 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (S33 production) | MT103 (n,p) >> |



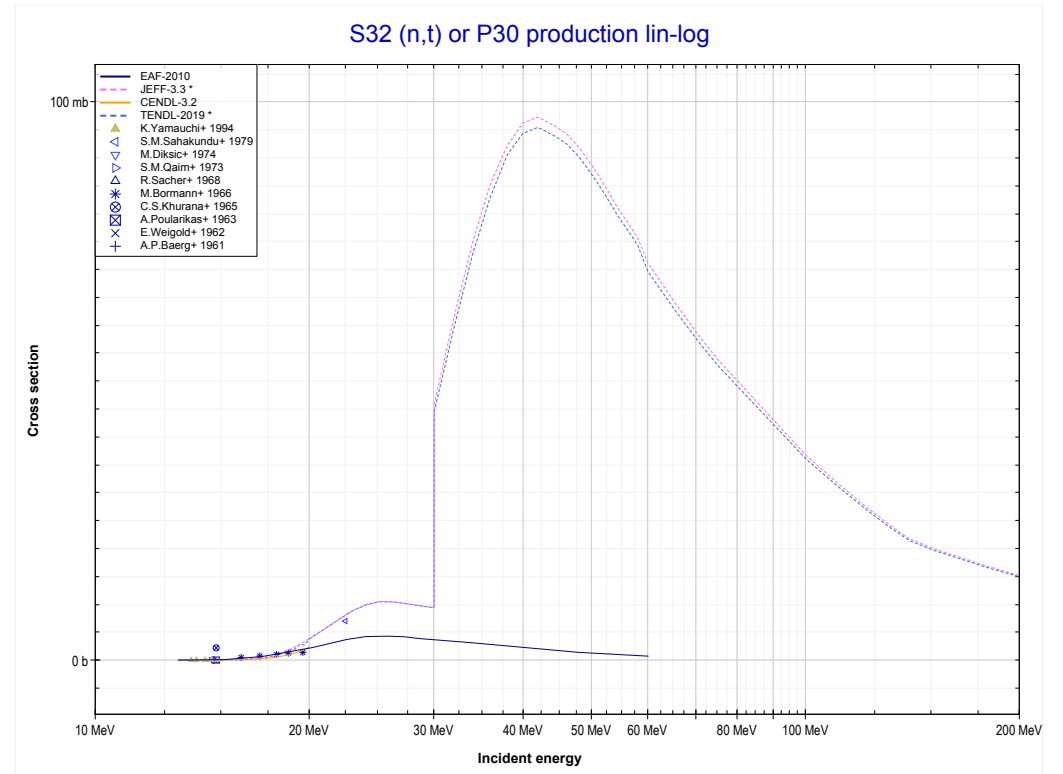
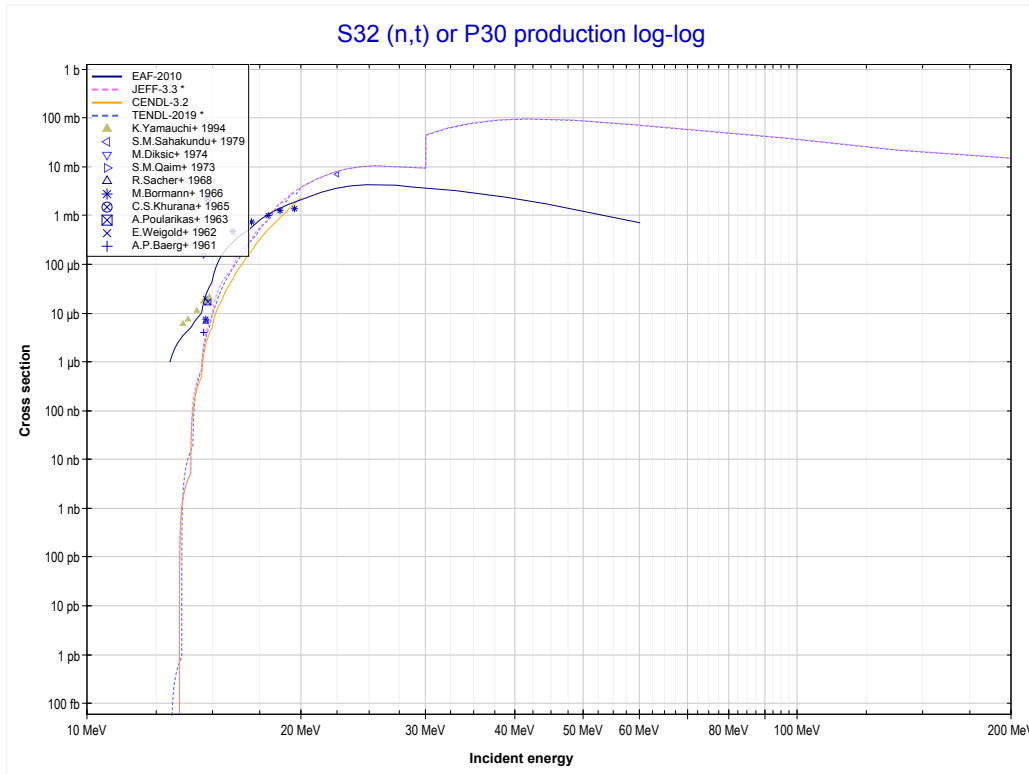
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.528711 b | 0.528315 b | 0.5282 b | 0.99978 | 0.244692 b | 6.51095E-4 b | 4.28372E-4 b |
| ENDF/B-VIII.0 | 0.528369 b | 0.528369 b | 0.52855 b | 1.00034 | 0.24509 b | 5.91328E-4 b | 3.235E-6 b |
| JEFF-3.3 | 0.523764 b | 0.523764 b | 0.52395 b | 1.00035 | 0.241949 b | 0.00349446 b | 4.8141E-4 b |
| JENDL-4.0u | 0.528369 b | 0.528369 b | 0.52855 b | 1.00034 | 0.24509 b | 5.91328E-4 b | 3.235E-6 b |
| BROND-3.1 | 0.528369 b | 0.528369 b | 0.52855 b | 1.00034 | 0.24509 b | 5.91287E-4 b | 3.235E-6 b |
| CENDL-3.2 | 0.528185 b | 0.528185 b | 0.52822 b | 1.00007 | 0.244631 b | 5.94209E-4 b | 7.25413E-4 b |
| TENDL-2019 | 0.517607 b | 0.517607 b | 0.51764 b | 1.00006 | 0.235717 b | 7.10837E-4 b | 4.62924E-4 b |

| | | |
|-------------------------|--|----------------|
| << 15-P-31 | 16-S-32 | 16-S-33 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (P32 production) | MT105 (n,t) >> |



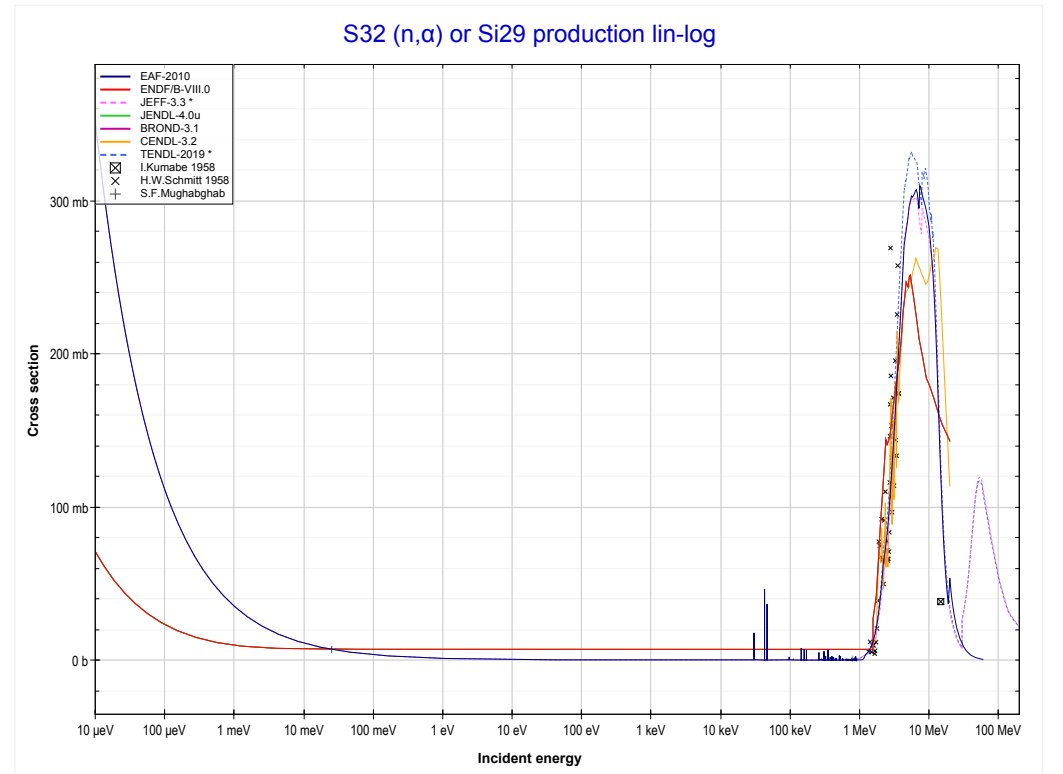
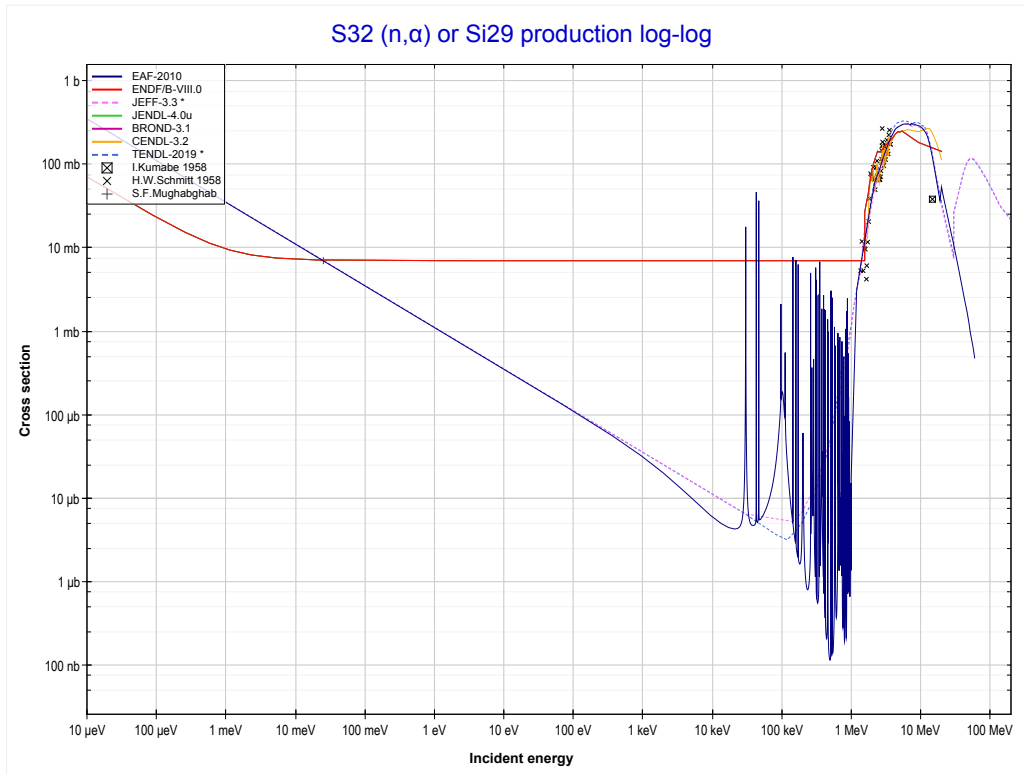
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0692056 b | 0.254 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0692056 b | 0.254 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0682392 b | 0.251995 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0692056 b | 0.254 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0692056 b | 0.254 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0665518 b | 0.251849 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0684087 b | 0.252159 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.068411 b | 0.252159 b |

| | | |
|----------------|--|-------------------------|
| << 13-AI-27 | 16-S-32 | 18-Ar-40 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (P30 production) | MT107 (n, α) >> |



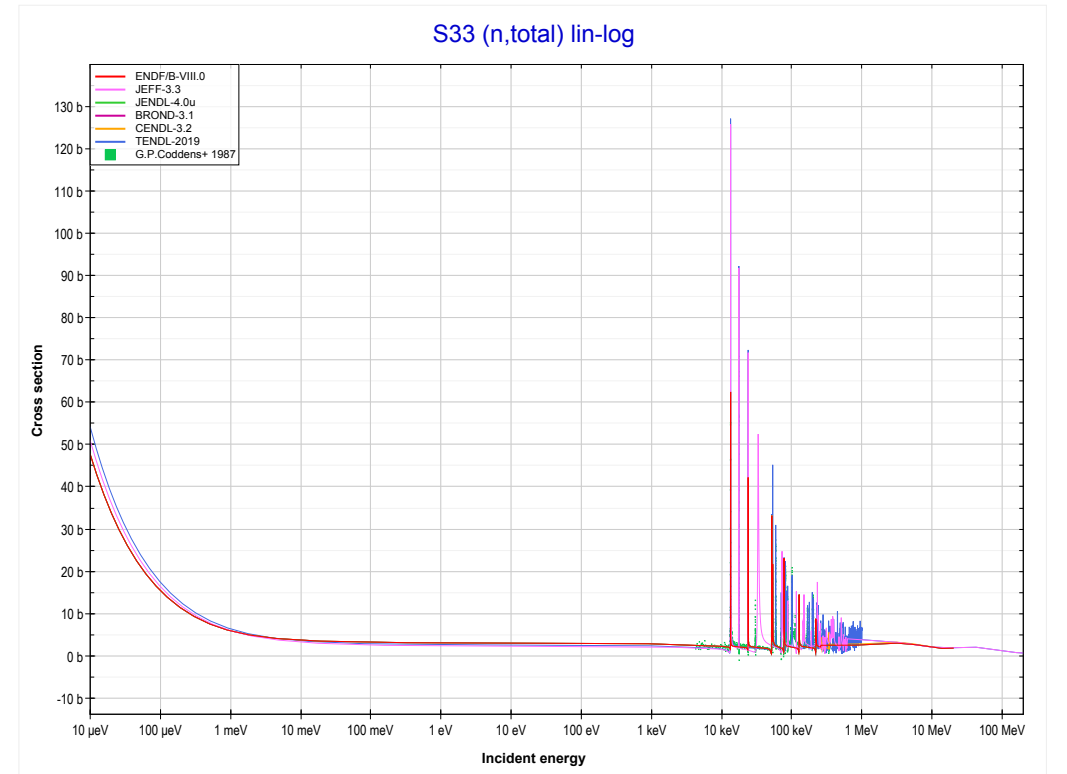
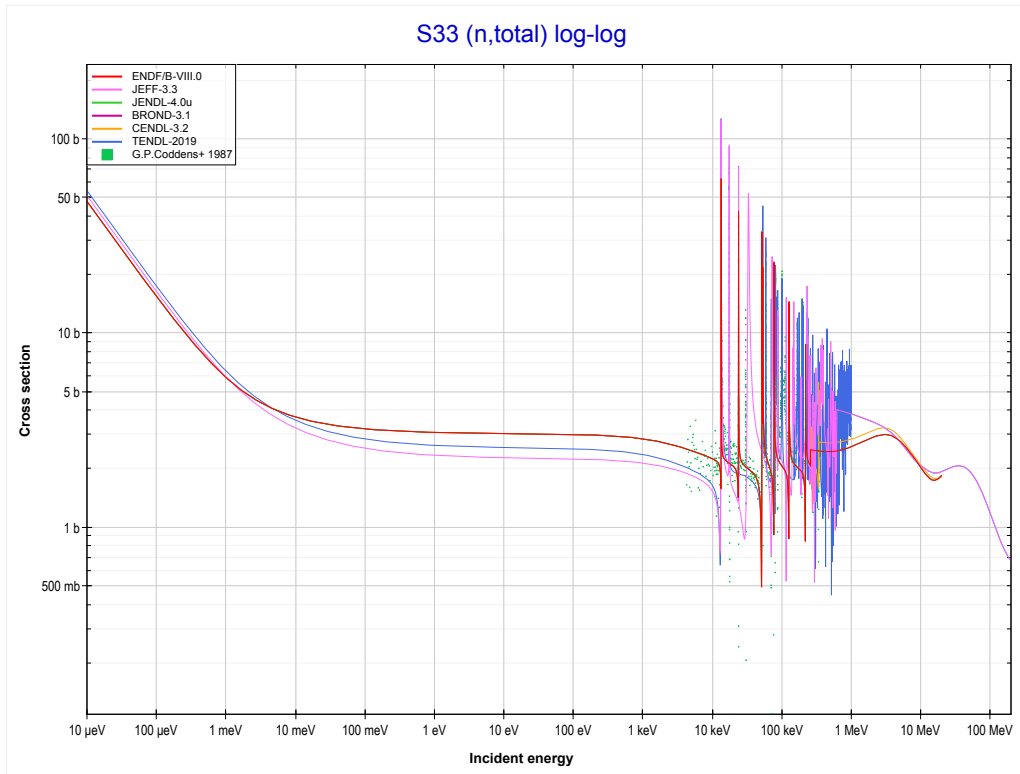
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.45213E-8 b | 5E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78544E-8 b | 5.29444E-9 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.77169E-9 b | 5.22593E-9 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.62451E-8 b | 1.50637E-8 b |

| | | |
|----------------|---|--------------------------|
| << 15-P-31 | 16-S-32 | 16-S-33 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Si29 production) | 16-S-33 MT1 (n,total) >> |



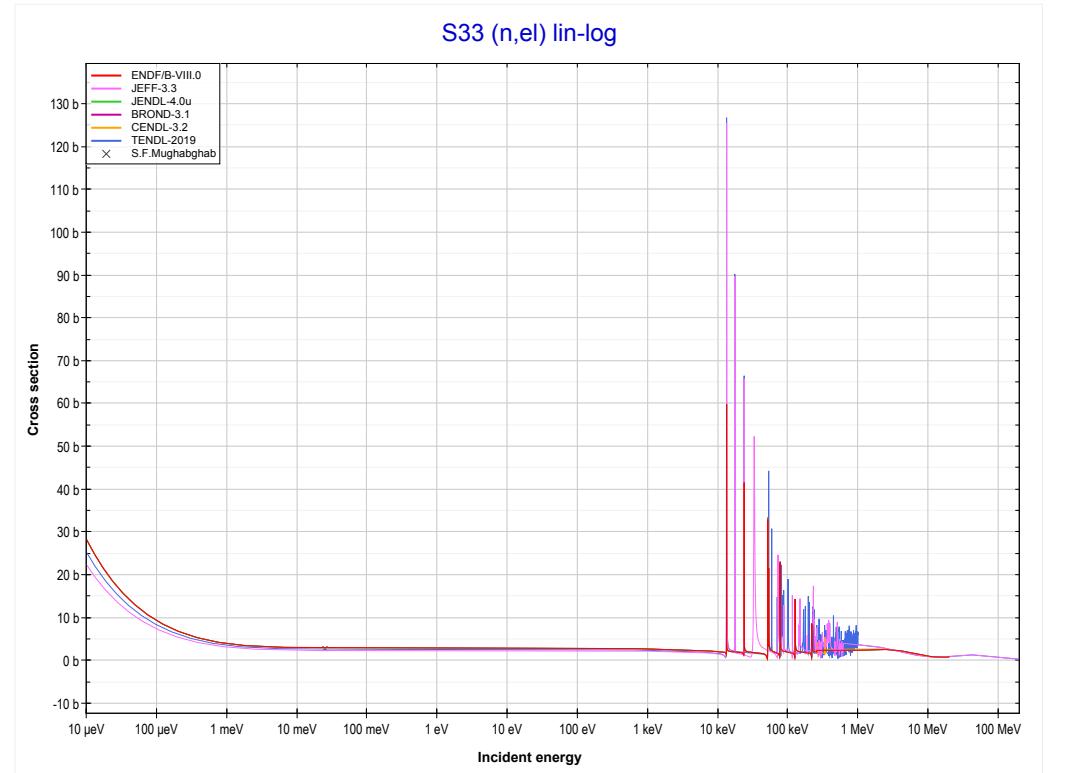
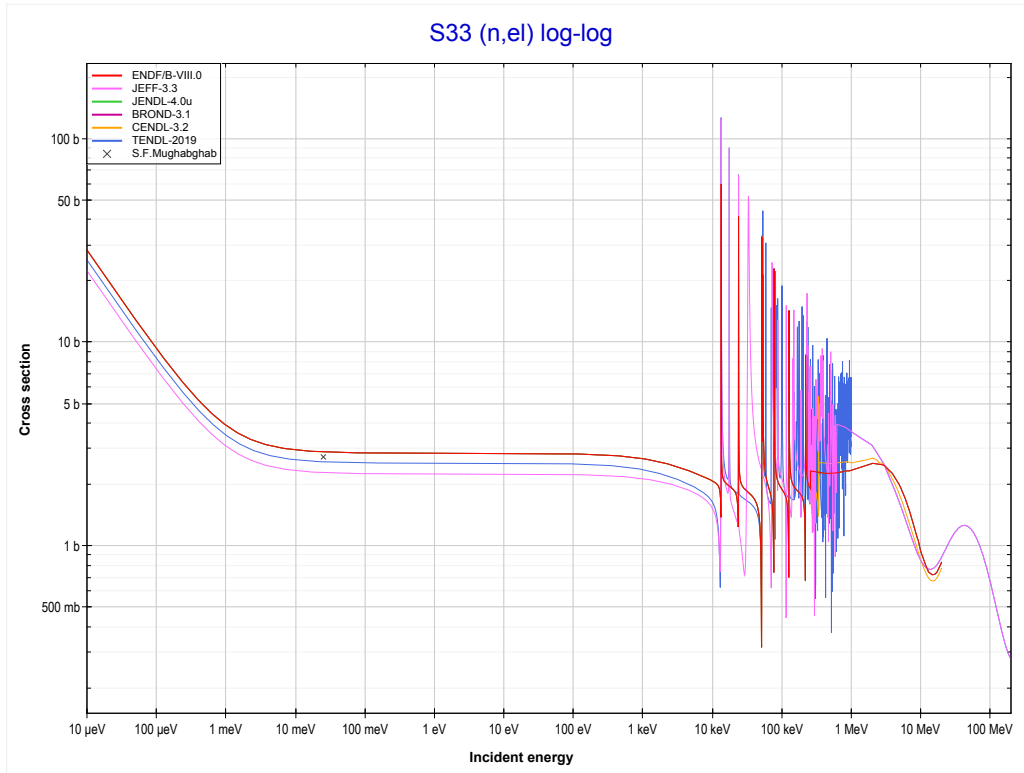
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.007 b | 0.00699476 b | 0.0069932 b | 0.99978 | 0.00323966 b | 0.0689057 b | 0.152678 b |
| ENDF/B-VIII.0 | 0.00711042 b | 0.00711042 b | 0.0080224 b | 1.12826 | 0.0854481 b | 0.0782244 b | 0.159635 b |
| JEFF-3.3 | 0.00703112 b | 0.00703112 b | 0.0070326 b | 1.0002 | 0.00316142 b | 0.0670984 b | 0.156485 b |
| JENDL-4.0u | 0.00711042 b | 0.00711042 b | 0.0080224 b | 1.12826 | 0.0854481 b | 0.0782244 b | 0.159635 b |
| BROND-3.1 | 0.00711042 b | 0.00711042 b | 0.0080224 b | 1.12826 | 0.0854481 b | 0.0782242 b | 0.159635 b |
| CENDL-3.2 | 0.00711042 b | 0.00711042 b | 0.0080228 b | 1.12832 | 0.0854556 b | 0.0676003 b | 0.256882 b |
| TENDL-2019 | 0.0070041 b | 0.0070041 b | 0.0070135 b | 1.00135 | 0.00315771 b | 0.0773623 b | 0.163456 b |

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|---------------------------------|----------------------|--------------------|
| << 16-S-32 | 16-S-33 | 16-S-34 >> |
| << 16-S-32 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



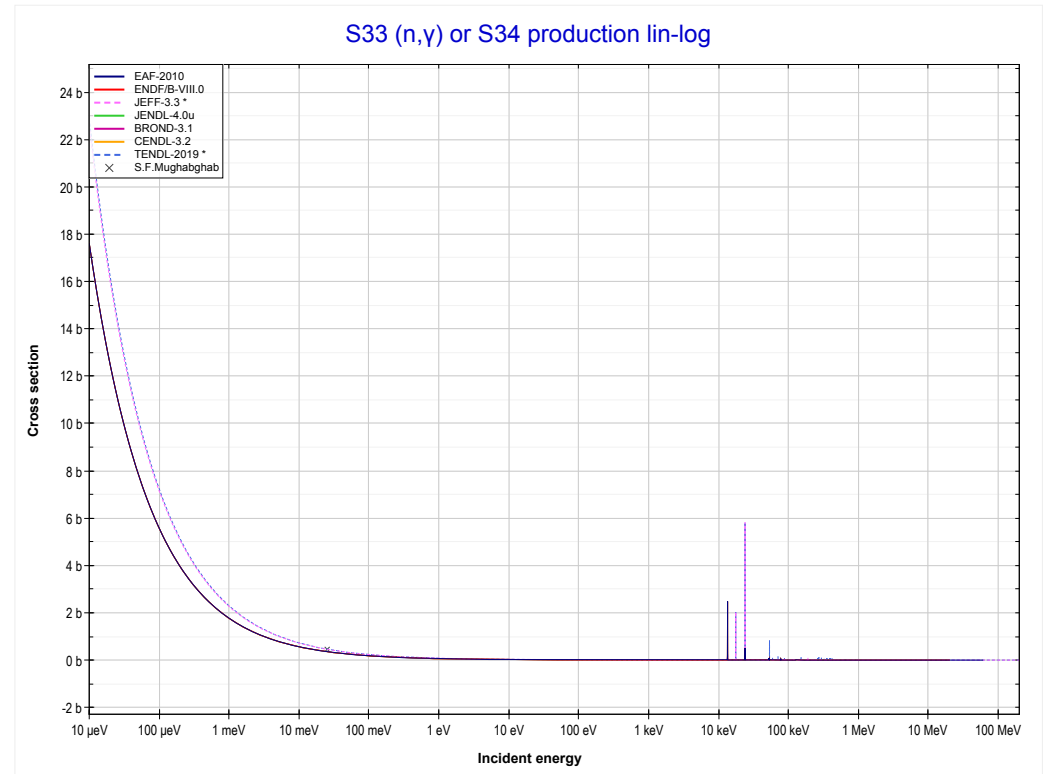
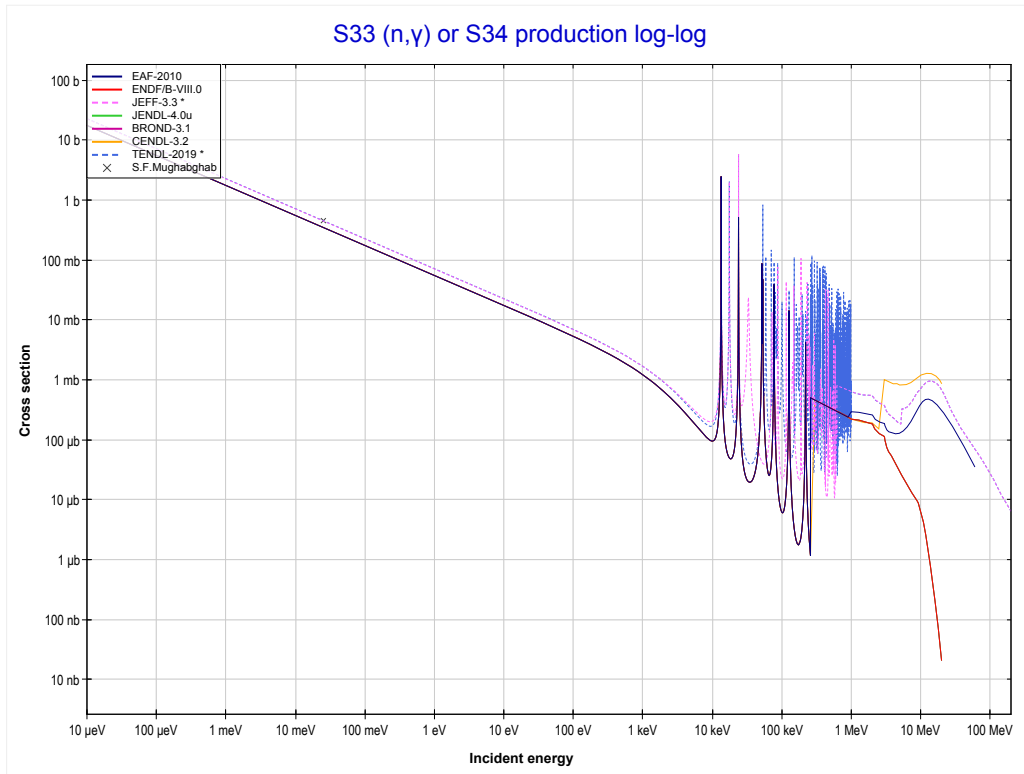
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.41094 b | 3.41094 b | 3.8036 b | 1.11513 | 34.4604 b | 2.71034 b | 1.76188 b |
| JEFF-3.3 | 2.85121 b | 2.85121 b | 3.1444 b | 1.10281 | 30.9866 b | 3.43618 b | 1.91854 b |
| JENDL-4.0u | 3.41094 b | 3.41094 b | 3.8036 b | 1.11513 | 34.4604 b | 2.71034 b | 1.76188 b |
| BROND-3.1 | 3.41094 b | 3.41094 b | 3.8036 b | 1.11513 | 34.4604 b | 2.71034 b | 1.76188 b |
| CENDL-3.2 | 3.41083 b | 3.41083 b | 3.8036 b | 1.11516 | 34.4761 b | 2.9136 b | 1.8161 b |
| TENDL-2019 | 3.15375 b | 3.15375 b | 3.485 b | 1.10504 | 31.4142 b | 3.23084 b | 1.91857 b |

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|------------------|------------------------|-------------------------|
| << 16-S-32 | 16-S-33 | 16-S-34 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



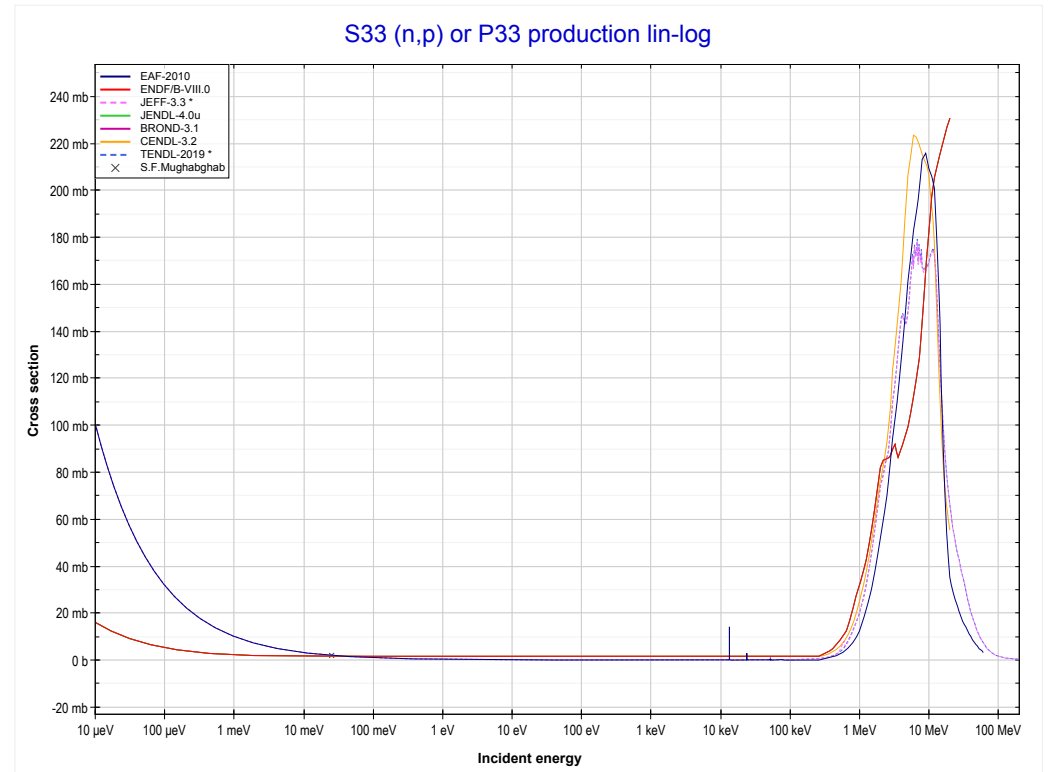
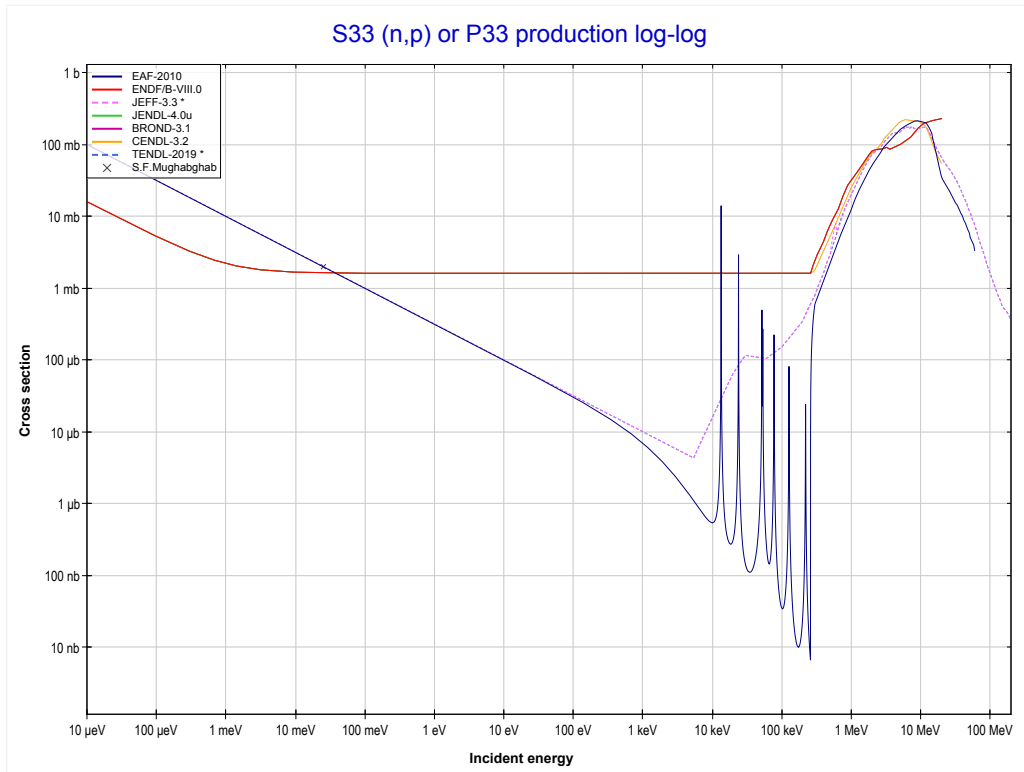
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.88794 b | 2.88794 b | 3.2584 b | 1.12826 | 32.2191 b | 2.32369 b | 0.727401 b |
| JEFF-3.3 | 2.28459 b | 2.28459 b | 2.5776 b | 1.12826 | 30.5223 b | 2.98741 b | 0.764281 b |
| JENDL-4.0u | 2.88794 b | 2.88794 b | 3.2584 b | 1.12826 | 32.2191 b | 2.32369 b | 0.727401 b |
| BROND-3.1 | 2.88794 b | 2.88794 b | 3.2584 b | 1.12826 | 32.2191 b | 2.32369 b | 0.727401 b |
| CENDL-3.2 | 2.88794 b | 2.88794 b | 3.2585 b | 1.12832 | 32.23 b | 2.41656 b | 0.675632 b |
| TENDL-2019 | 2.58141 b | 2.58141 b | 2.9127 b | 1.12832 | 30.9412 b | 2.78496 b | 0.764283 b |

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|--------------------|--|----------------|
| << 16-S-32 | 16-S-33 | 16-S-34 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (S34 production) | MT103 (n,p) >> |



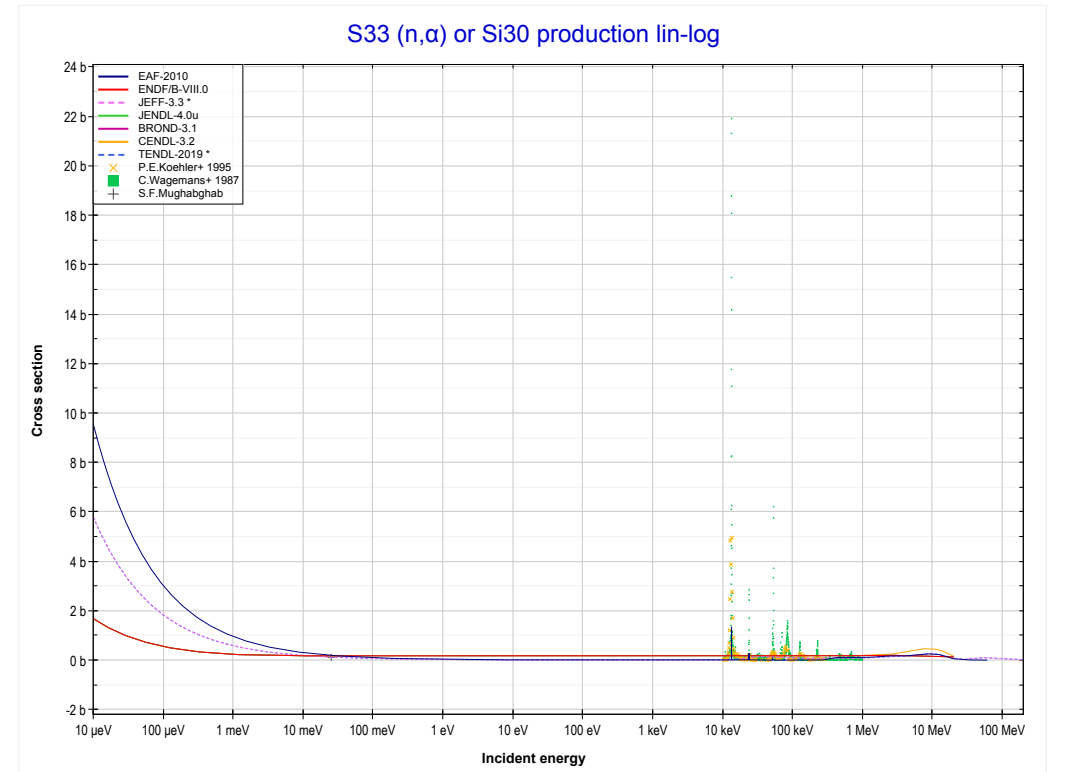
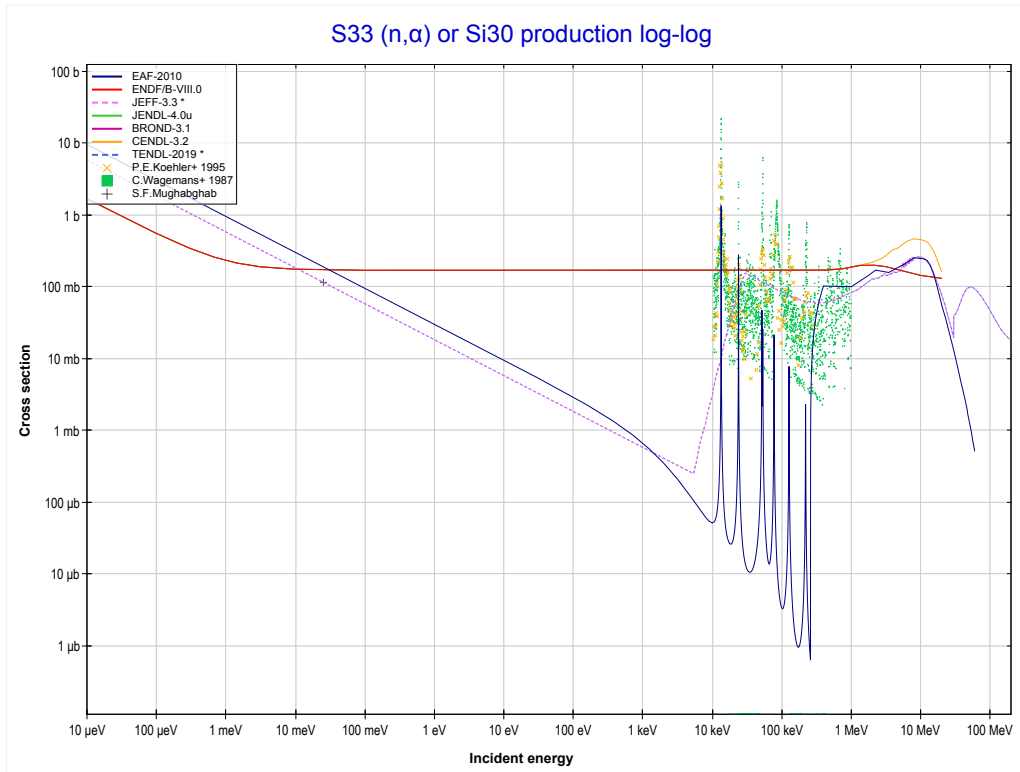
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.350407 b | 0.350145 b | 0.35006 b | 0.99975 | 0.163094 b | 2.63529E-4 b | 4.63487E-4 b |
| ENDF/B-VIII.0 | 0.350161 b | 0.350161 b | 0.35028 b | 1.00033 | 0.16336 b | 2.05731E-4 b | 7.15327E-7 b |
| JEFF-3.3 | 0.449093 b | 0.449093 b | 0.44923 b | 1.00029 | 0.219721 b | 5.08603E-4 b | 9.50281E-4 b |
| JENDL-4.0u | 0.350161 b | 0.350161 b | 0.35028 b | 1.00033 | 0.16336 b | 2.05731E-4 b | 7.15327E-7 b |
| BROND-3.1 | 0.350161 b | 0.350161 b | 0.35028 b | 1.00033 | 0.16336 b | 2.05731E-4 b | 7.15327E-7 b |
| CENDL-3.2 | 0.35004 b | 0.35004 b | 0.35006 b | 1.00006 | 0.163054 b | 4.10291E-4 b | 0.00128876 b |
| TENDL-2019 | 0.454866 b | 0.454866 b | 0.4549 b | 1.00006 | 0.225269 b | 6.61966E-4 b | 9.50582E-4 b |

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|-------------------------|--|-------------------------|
| << 16-S-32 | 16-S-33 | 16-S-34 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (P33 production) | MT107 (n, α) >> |



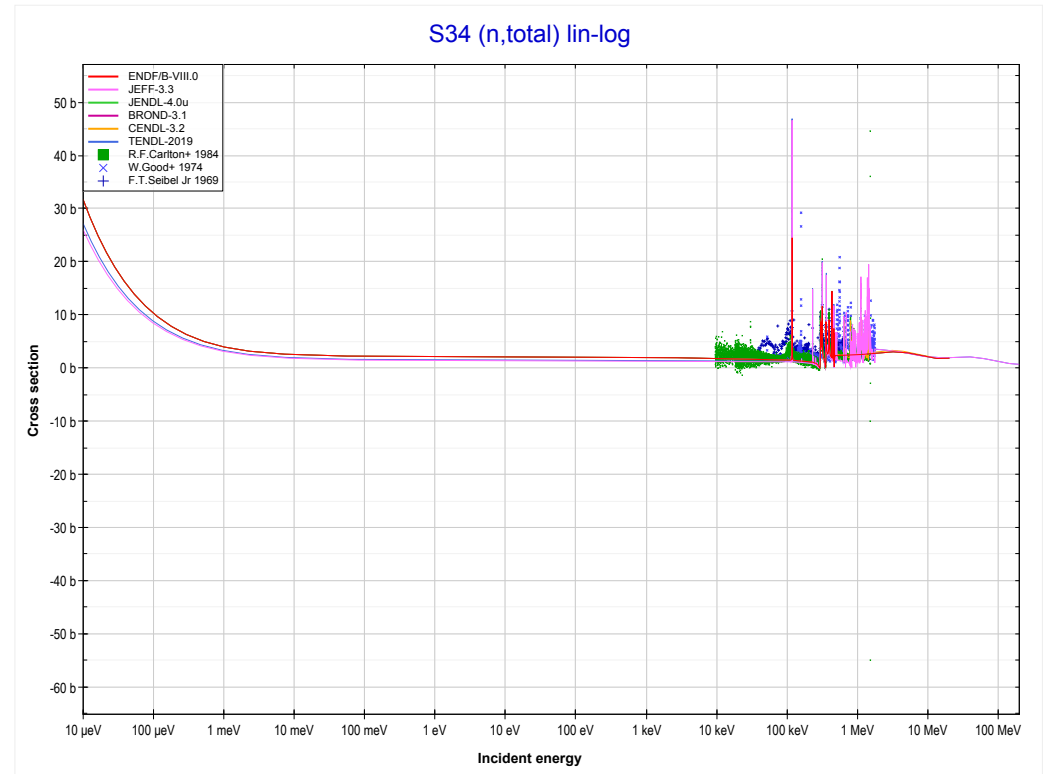
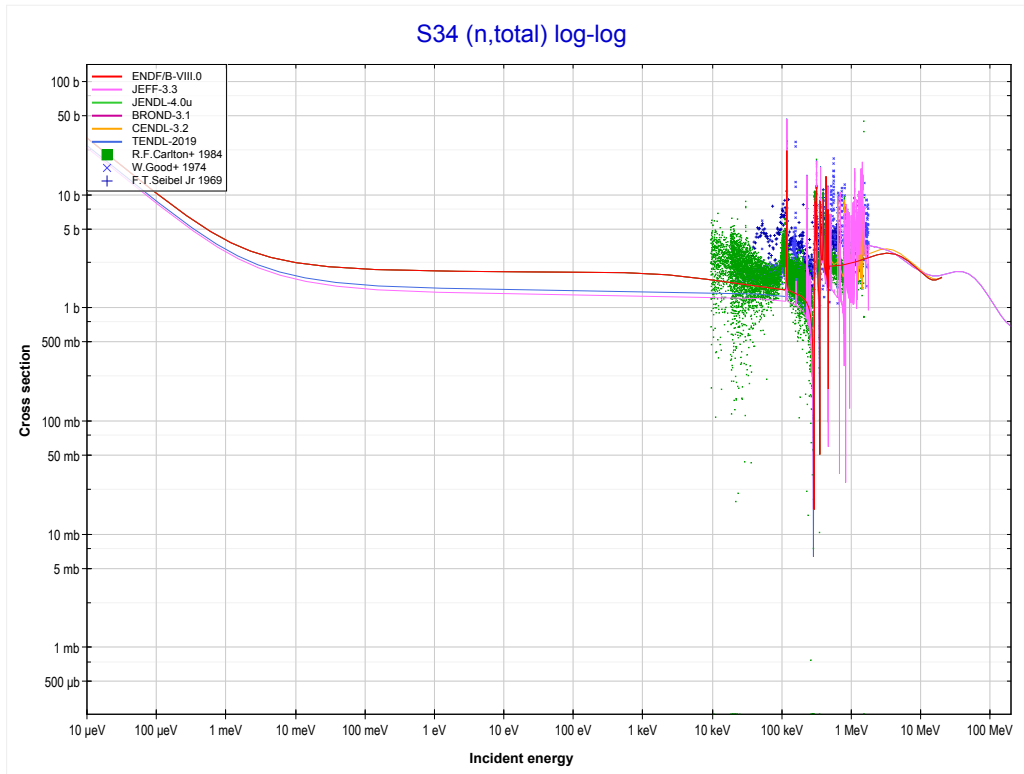
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.002 b | 0.0019985 b | 0.001998 b | 0.99975 | 9.30882E-4 b | 0.0526875 b | 0.156 b |
| ENDF/B-VIII.0 | 0.0016366 b | 0.0016366 b | 0.0018465 b | 1.12827 | 0.0196767 b | 0.0565126 b | 0.213967 b |
| JEFF-3.3 | 0.00200924 b | 0.00200924 b | 0.002009 b | 0.99987 | 0.00110317 b | 0.0611982 b | 0.133951 b |
| JENDL-4.0u | 0.0016366 b | 0.0016366 b | 0.0018465 b | 1.12827 | 0.0196767 b | 0.0565126 b | 0.213967 b |
| BROND-3.1 | 0.0016366 b | 0.0016366 b | 0.0018465 b | 1.12827 | 0.0196767 b | 0.0565126 b | 0.213967 b |
| CENDL-3.2 | 0.0016366 b | 0.0016366 b | 0.0018466 b | 1.12832 | 0.019678 b | 0.0712743 b | 0.12154 b |
| TENDL-2019 | 0.00200121 b | 0.00200121 b | 0.0020039 b | 1.00134 | 0.00110328 b | 0.0614594 b | 0.134107 b |

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|----------------|---|--------------------------|
| << 16-S-32 | 16-S-33 | 16-S-34 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Si30 production) | 16-S-34 MT1 (n,total) >> |



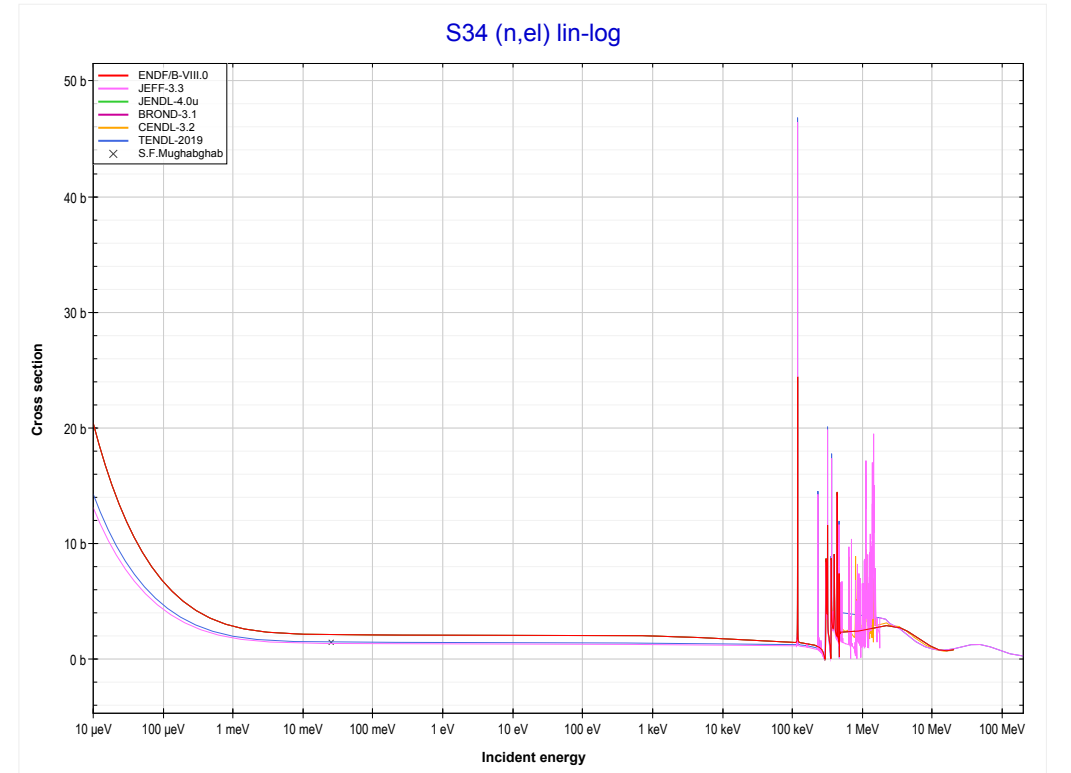
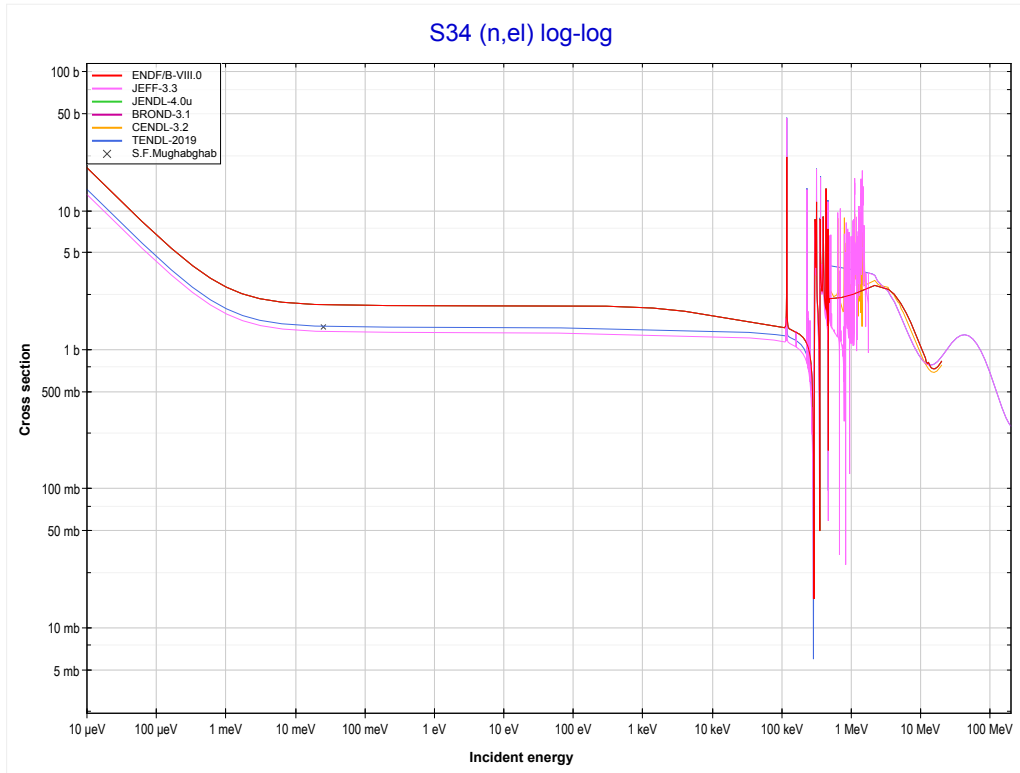
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.19 b | 0.189858 b | 0.18985 b | 0.99999 | 0.0884626 b | 0.12937 b | 0.191372 b |
| ENDF/B-VIII.0 | 0.1712 b | 0.1712 b | 0.19316 b | 1.12827 | 2.05833 b | 0.185633 b | 0.136468 b |
| JEFF-3.3 | 0.115523 b | 0.115523 b | 0.11551 b | 0.99987 | 0.243506 b | 0.113749 b | 0.190016 b |
| JENDL-4.0u | 0.1712 b | 0.1712 b | 0.19316 b | 1.12827 | 2.05833 b | 0.185633 b | 0.136468 b |
| BROND-3.1 | 0.1712 b | 0.1712 b | 0.19316 b | 1.12827 | 2.05833 b | 0.185633 b | 0.136468 b |
| CENDL-3.2 | 0.1712 b | 0.1712 b | 0.19317 b | 1.12832 | 2.05846 b | 0.229521 b | 0.365442 b |
| TENDL-2019 | 0.115063 b | 0.115063 b | 0.11522 b | 1.00134 | 0.24273 b | 0.111712 b | 0.189721 b |

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|---------------------------------|----------------------|--------------------|
| << 16-S-33 | 16-S-34 | 17-CI-Nat >> |
| << 16-S-33 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



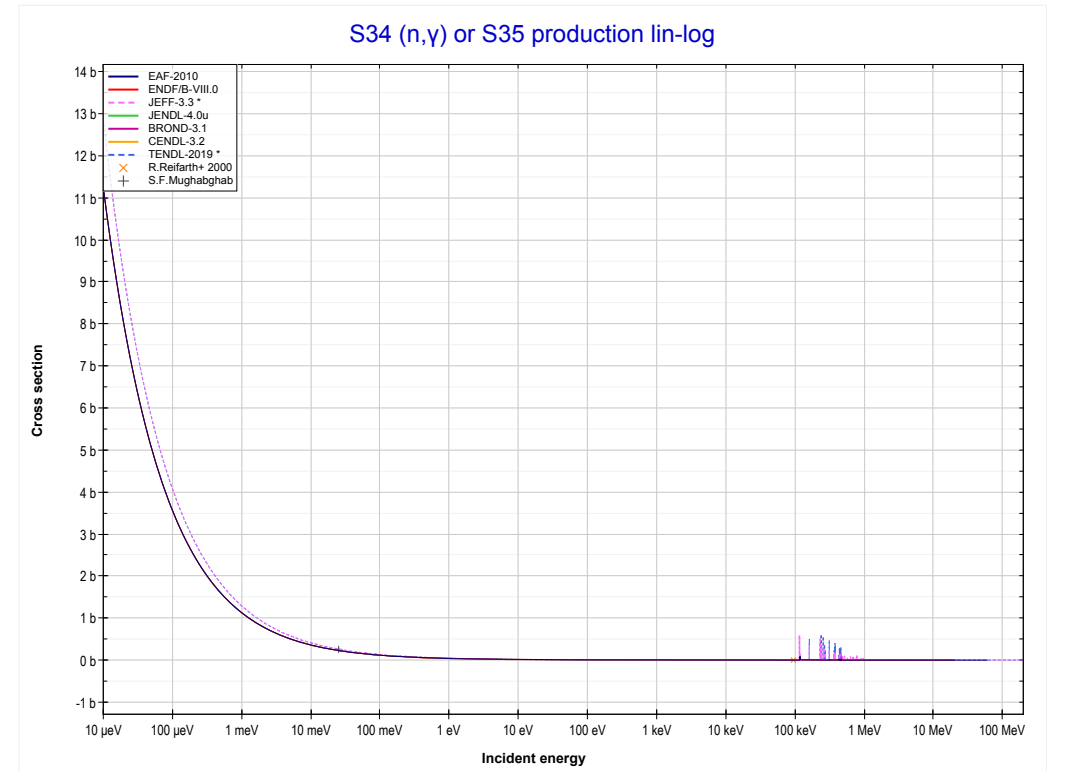
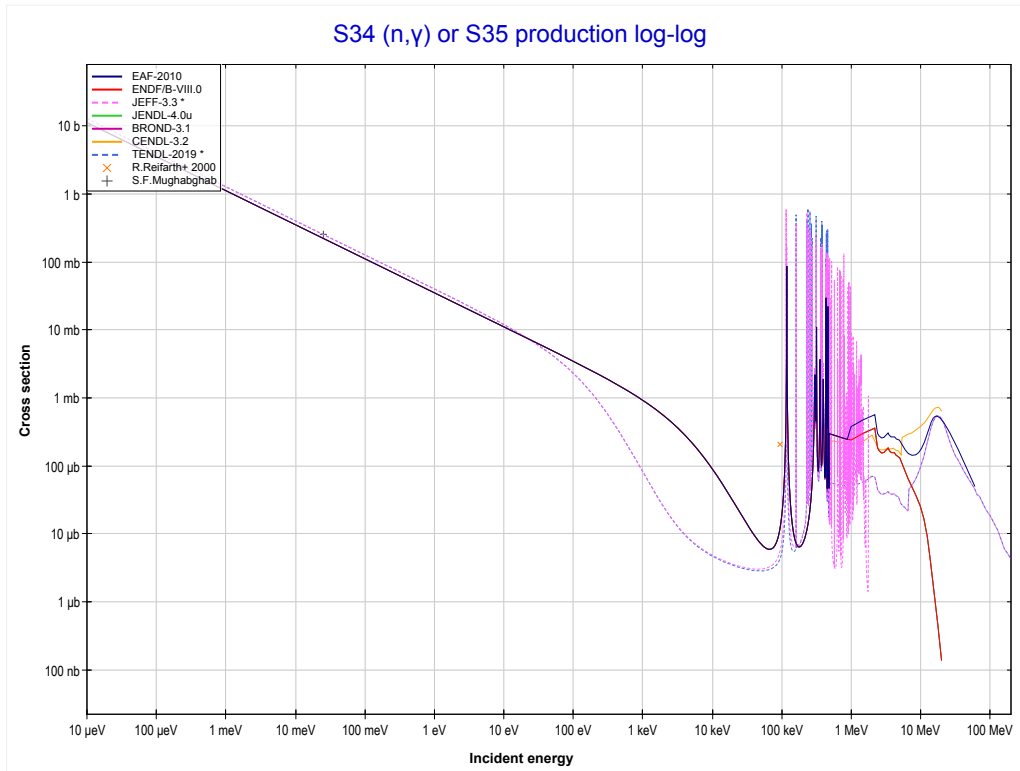
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.33193 b | 2.33193 b | 2.6024 b | 1.116 | 23.902 b | 2.64704 b | 1.77993 b |
| JEFF-3.3 | 1.60958 b | 1.60958 b | 1.7833 b | 1.1079 | 15.7845 b | 2.93401 b | 1.92953 b |
| JENDL-4.0u | 2.33193 b | 2.33193 b | 2.6024 b | 1.116 | 23.902 b | 2.64704 b | 1.77993 b |
| BROND-3.1 | 2.33193 b | 2.33193 b | 2.6024 b | 1.116 | 23.902 b | 2.64704 b | 1.77993 b |
| CENDL-3.2 | 2.33186 b | 2.33186 b | 2.6024 b | 1.11603 | 23.9157 b | 2.98942 b | 1.8416 b |
| TENDL-2019 | 1.73035 b | 1.73035 b | 1.9195 b | 1.10934 | 17.2258 b | 3.30432 b | 1.92933 b |

| | | |
|------------------|------------------------|-------------------------|
| << 16-S-33 | 16-S-34 | 17-CI-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



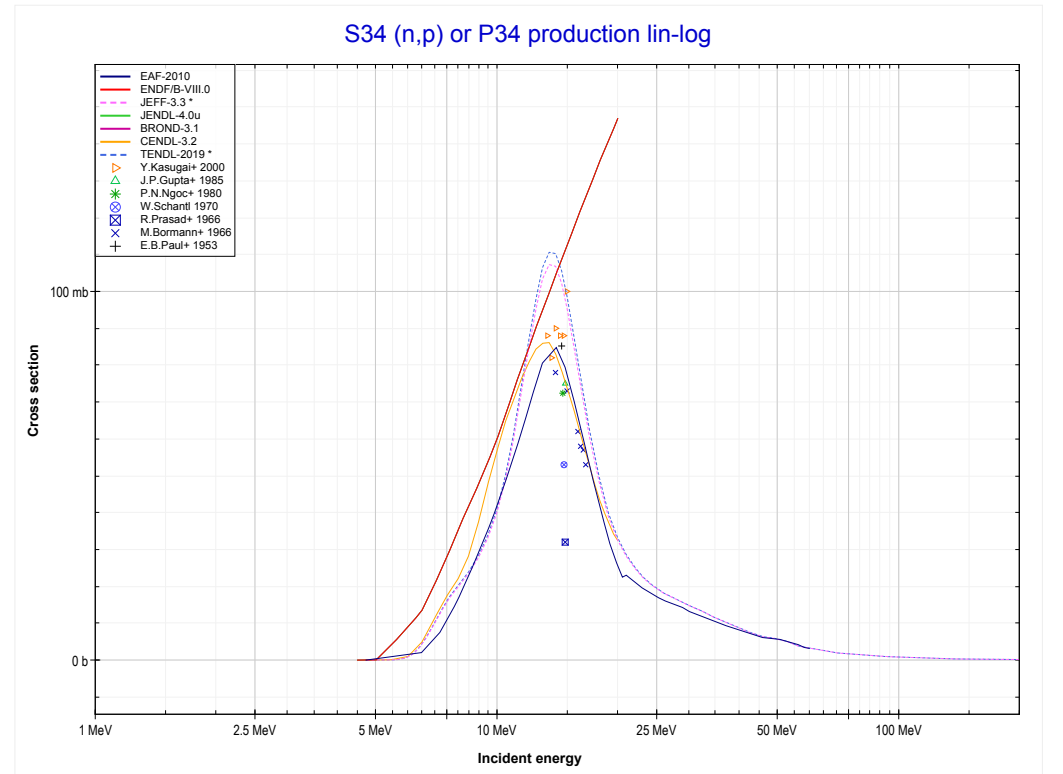
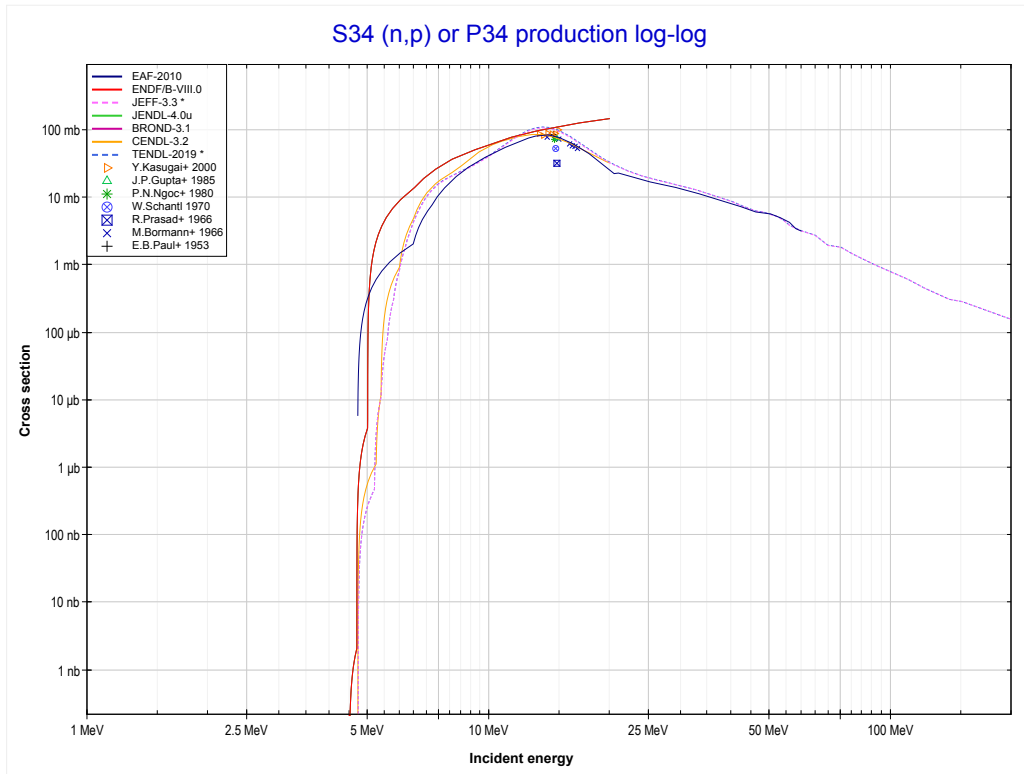
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.10826 b | 2.10826 b | 2.3787 b | 1.12827 | 23.8028 b | 2.51517 b | 0.748046 b |
| JEFF-3.3 | 1.35347 b | 1.35347 b | 1.5271 b | 1.12827 | 15.6795 b | 2.70834 b | 0.775117 b |
| JENDL-4.0u | 2.10826 b | 2.10826 b | 2.3787 b | 1.12827 | 23.8028 b | 2.51517 b | 0.748046 b |
| BROND-3.1 | 2.10826 b | 2.10826 b | 2.3787 b | 1.12827 | 23.8028 b | 2.51517 b | 0.748046 b |
| CENDL-3.2 | 2.10826 b | 2.10826 b | 2.3788 b | 1.12833 | 23.8132 b | 2.78076 b | 0.699974 b |
| TENDL-2019 | 1.4744 b | 1.4744 b | 1.6636 b | 1.12832 | 17.1207 b | 3.07942 b | 0.77514 b |

| | | |
|--------------------|--|----------------|
| << 16-S-33 | 16-S-34 | 16-S-36 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (S35 production) | MT103 (n,p) >> |



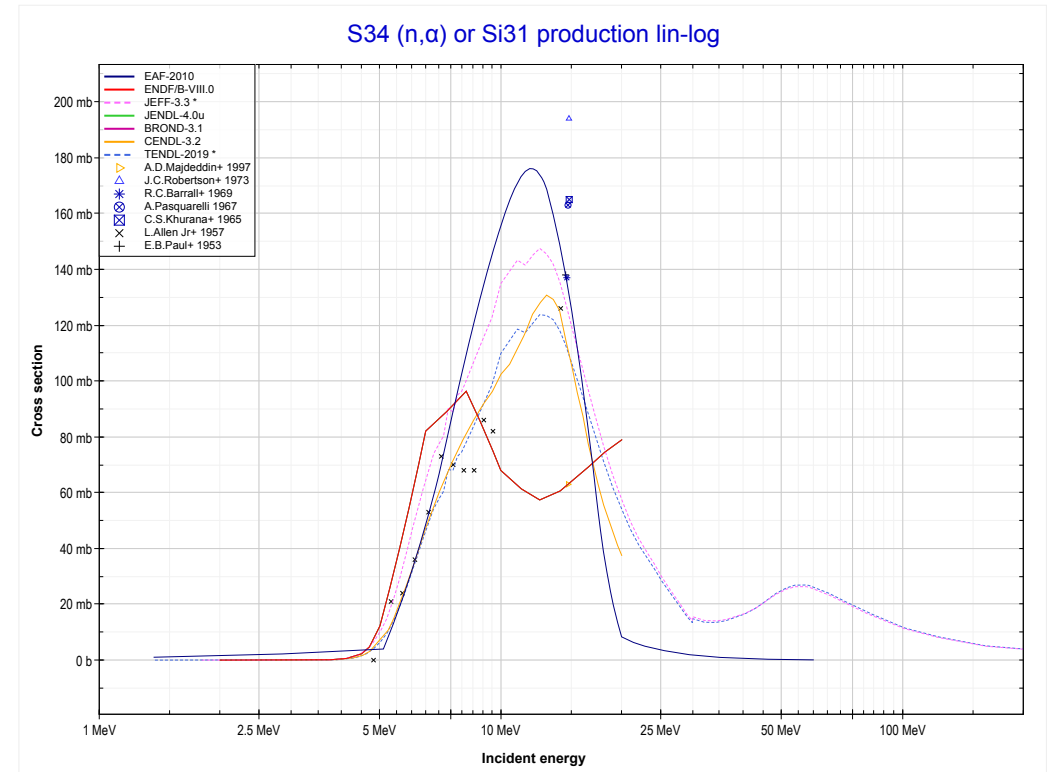
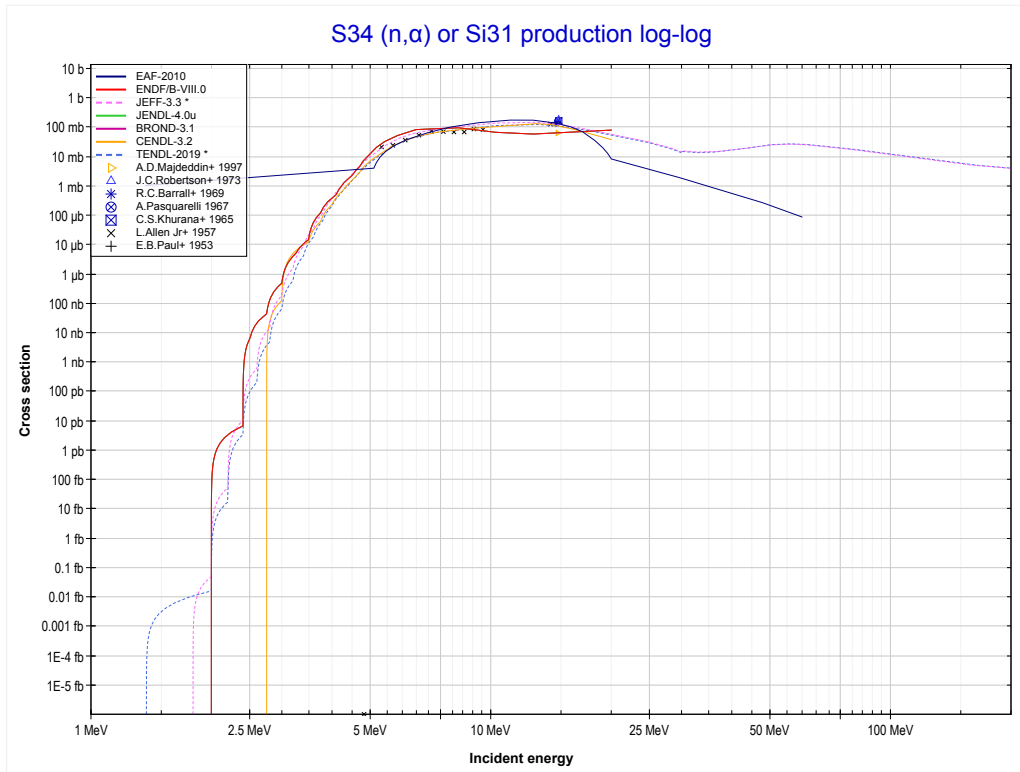
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.223816 b | 0.223648 b | 0.2236 b | 0.99978 | 0.0990255 b | 3.7858E-4 b | 4.2439E-4 b |
| ENDF/B-VIII.0 | 0.223671 b | 0.223671 b | 0.22375 b | 1.00034 | 0.0991903 b | 2.77163E-4 b | 3.6667E-6 b |
| JEFF-3.3 | 0.256113 b | 0.256113 b | 0.25618 b | 1.00026 | 0.104963 b | 2.77246E-4 b | 3.53044E-4 b |
| JENDL-4.0u | 0.223671 b | 0.223671 b | 0.22375 b | 1.00034 | 0.0991903 b | 2.77163E-4 b | 3.6667E-6 b |
| BROND-3.1 | 0.223671 b | 0.223671 b | 0.22375 b | 1.00034 | 0.0991903 b | 2.77163E-4 b | 3.6667E-6 b |
| CENDL-3.2 | 0.223594 b | 0.223594 b | 0.22361 b | 1.00006 | 0.0989996 b | 2.60825E-4 b | 5.88035E-4 b |
| TENDL-2019 | 0.255951 b | 0.255951 b | 0.25595 b | 0.99998 | 0.104721 b | 2.12964E-4 b | 3.53322E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 16-S-33 | 16-S-34 | 17-CI-Nat >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (P34 production) | MT107 (n, α) >> |



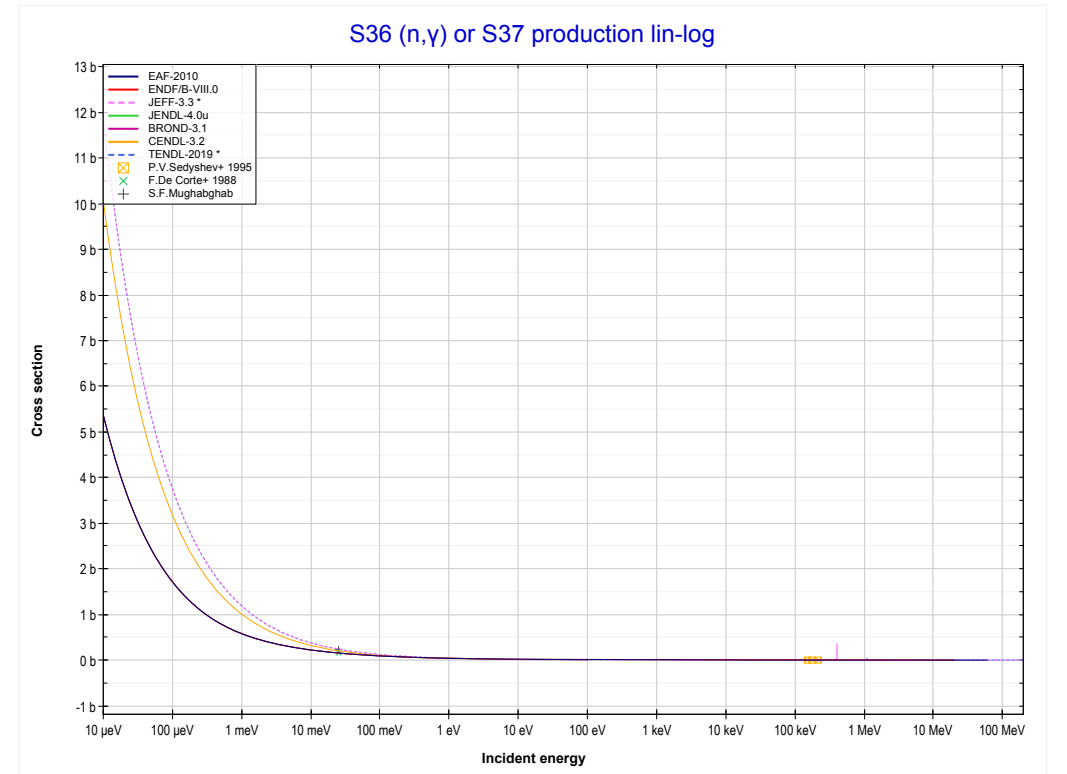
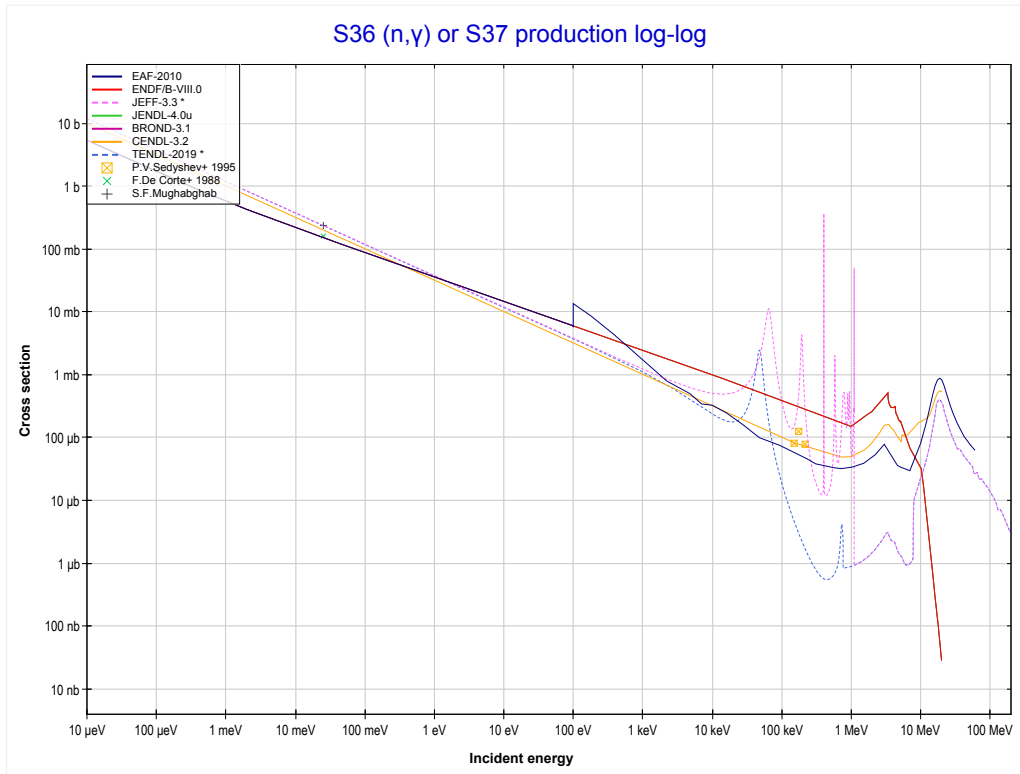
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.15428E-4 b | 0.0845432 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.47016E-4 b | 0.104347 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.6715E-4 b | 0.106894 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.47016E-4 b | 0.104347 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.47016E-4 b | 0.104347 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.509E-4 b | 0.0831504 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.77916E-4 b | 0.110342 b |

| | | |
|----------------|---|---------------------------------|
| << 16-S-33 | 16-S-34 | 17-CI-35 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Si31 production) | 16-S-36 MT102 (n, γ) >> |



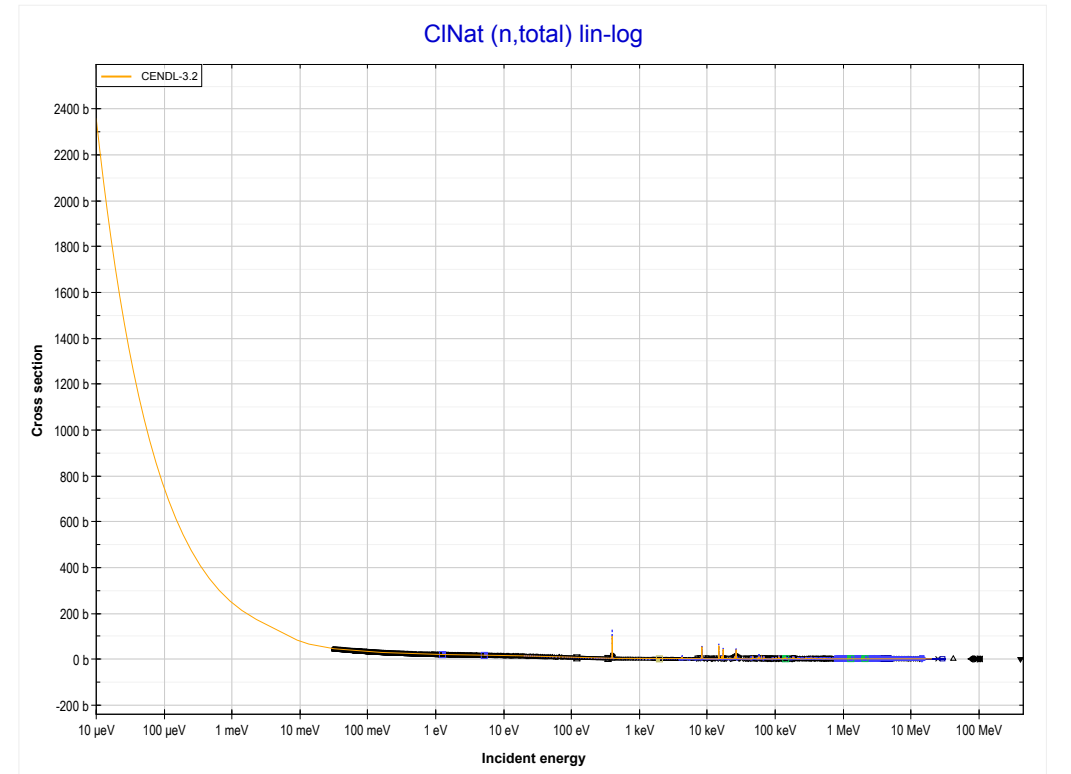
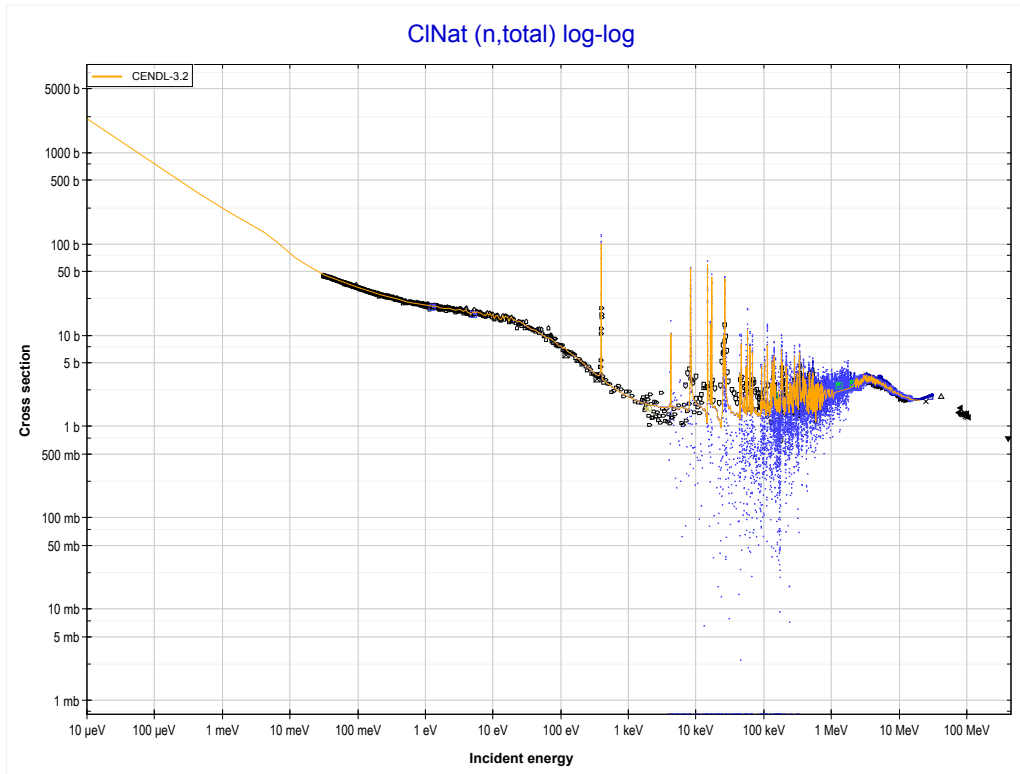
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00352419 b | 0.149328 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00363205 b | 0.0604219 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00342231 b | 0.135855 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00363205 b | 0.0604219 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00363205 b | 0.0604219 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0025622 b | 0.125317 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00250119 b | 0.118293 b |

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|---------------------------------|--|----------------------------|
| << 16-S-34 | 16-S-36 | 17-CI-Nat >> |
| << 16-S-34 MT107 (n, α) | MT102 (n,γ) or MT5 (S37 production) | 17-CI-Nat MT1 (n,total) >> |



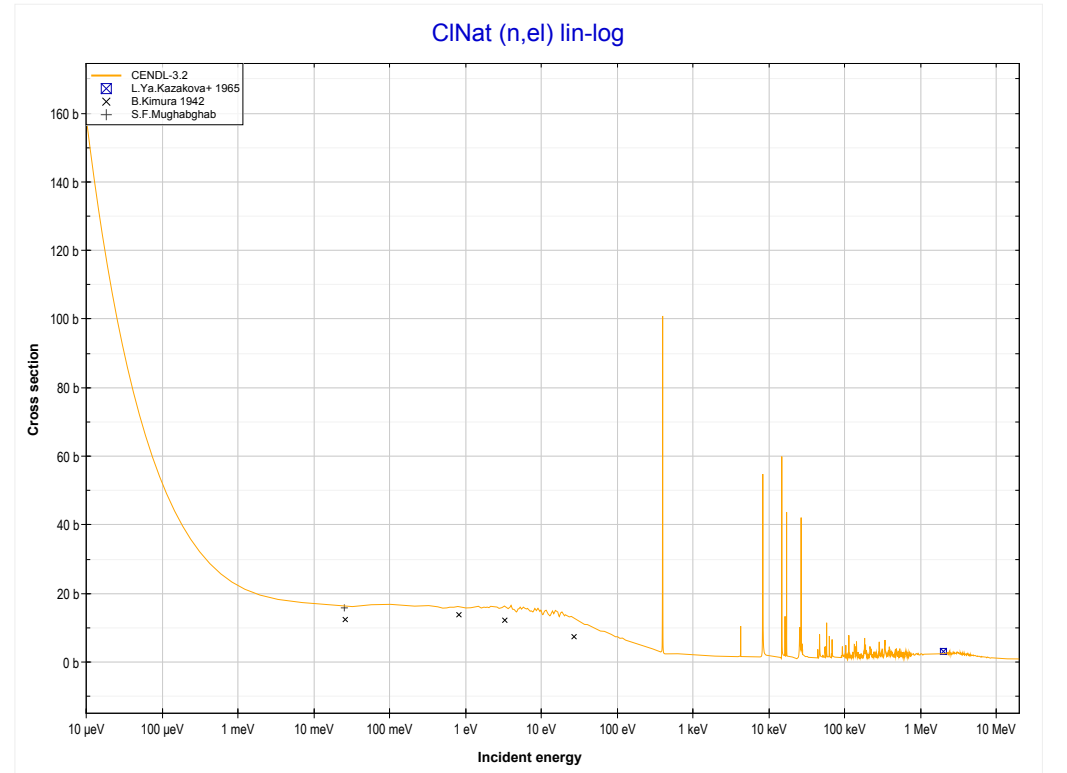
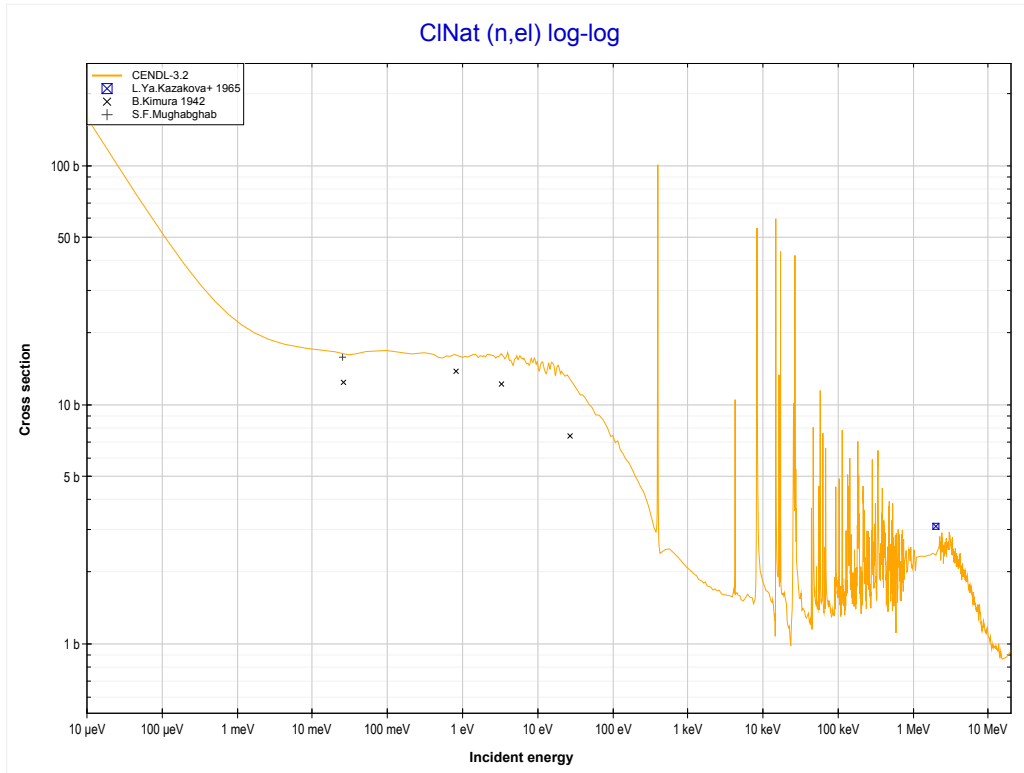
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.1505 b | 0.150416 b | 0.15253 b | 1.01428 | 0.12161 b | 4.58018E-5 b | 3.49E-4 b |
| ENDF/B-VIII.0 | 0.150517 b | 0.150517 b | 0.15263 b | 1.01402 | 0.120074 b | 2.49498E-4 b | 1.36395E-6 b |
| JEFF-3.3 | 0.235876 b | 0.235876 b | 0.23596 b | 1.00034 | 0.109953 b | 1.24622E-4 b | 9.27602E-5 b |
| JENDL-4.0u | 0.150517 b | 0.150517 b | 0.15263 b | 1.01402 | 0.120074 b | 2.49498E-4 b | 1.36395E-6 b |
| BROND-3.1 | 0.150517 b | 0.150517 b | 0.15263 b | 1.01402 | 0.120074 b | 2.49498E-4 b | 1.36395E-6 b |
| CENDL-3.2 | 0.200003 b | 0.200003 b | 0.20002 b | 1.00006 | 0.089814 b | 8.64196E-5 b | 2.51519E-4 b |
| TENDL-2019 | 0.235839 b | 0.235839 b | 0.23585 b | 1.00006 | 0.105912 b | 7.58591E-6 b | 9.27604E-5 b |

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|---------------------------------|----------------------|--------------------|
| << 16-S-34 | 17-CI-Nat | 17-CI-35 >> |
| << 16-S-36 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



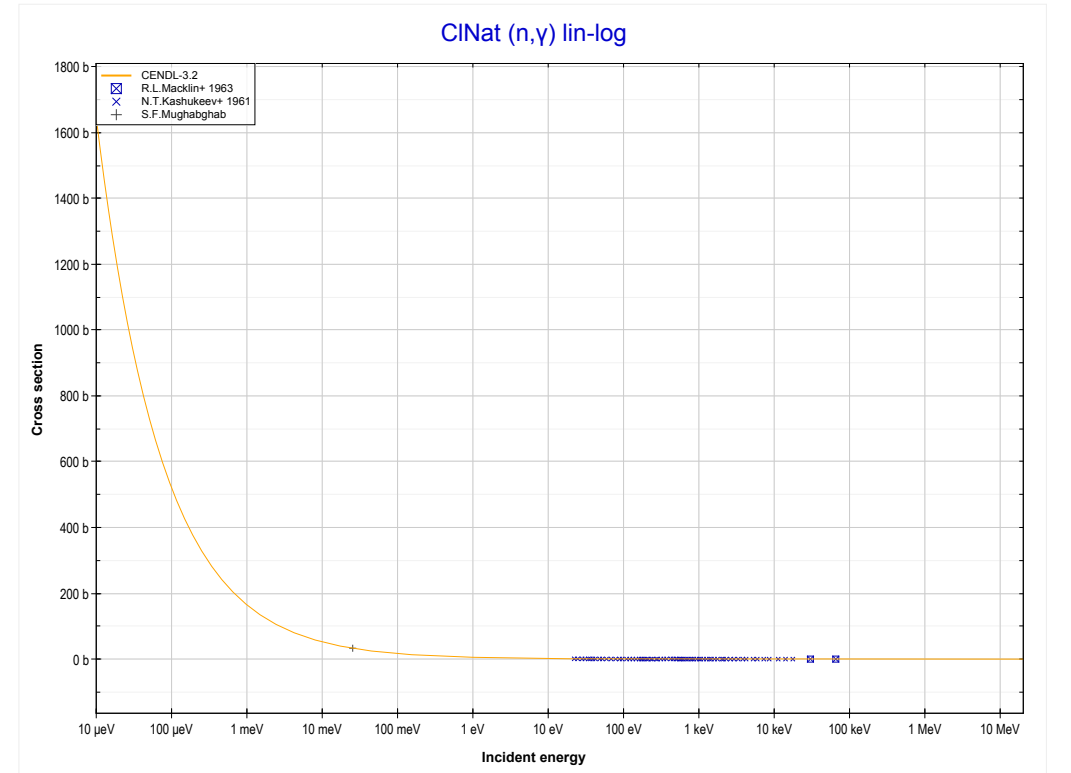
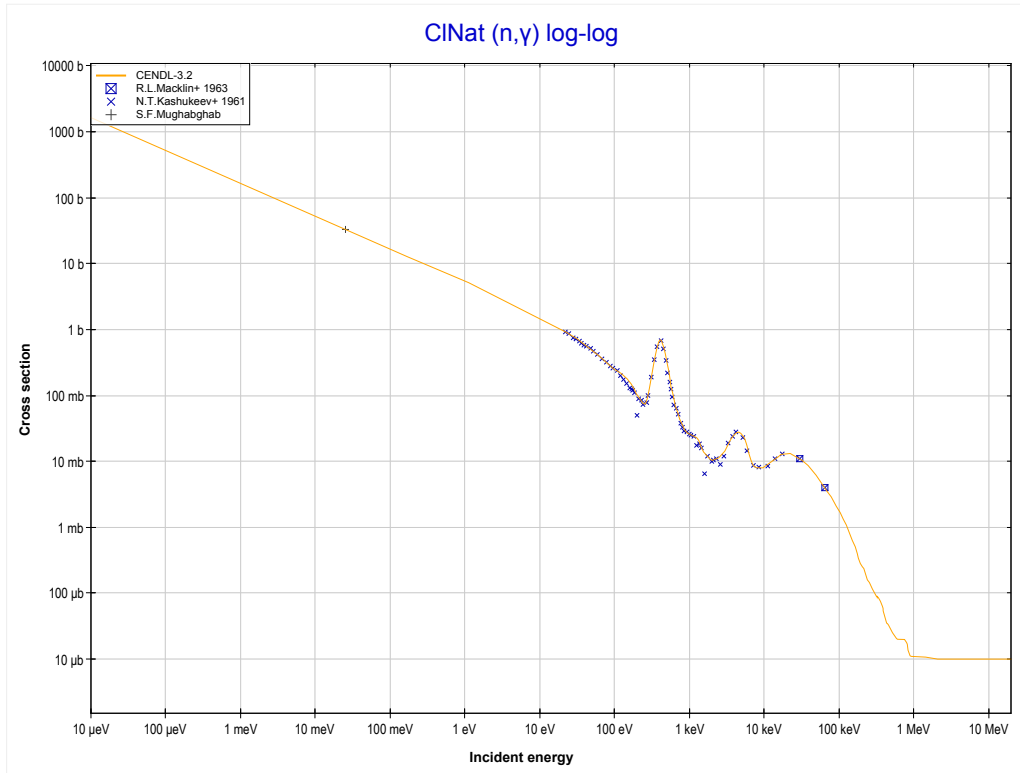
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 50.1969 b | 50.1969 b | 54.197 b | 1.0797 | 107.982 b | 2.64898 b | 2.0173 b |

| | | |
|------------------|------------------------|-------------------------|
| << 16-S-34 | 17-CI-Nat | 17-CI-35 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



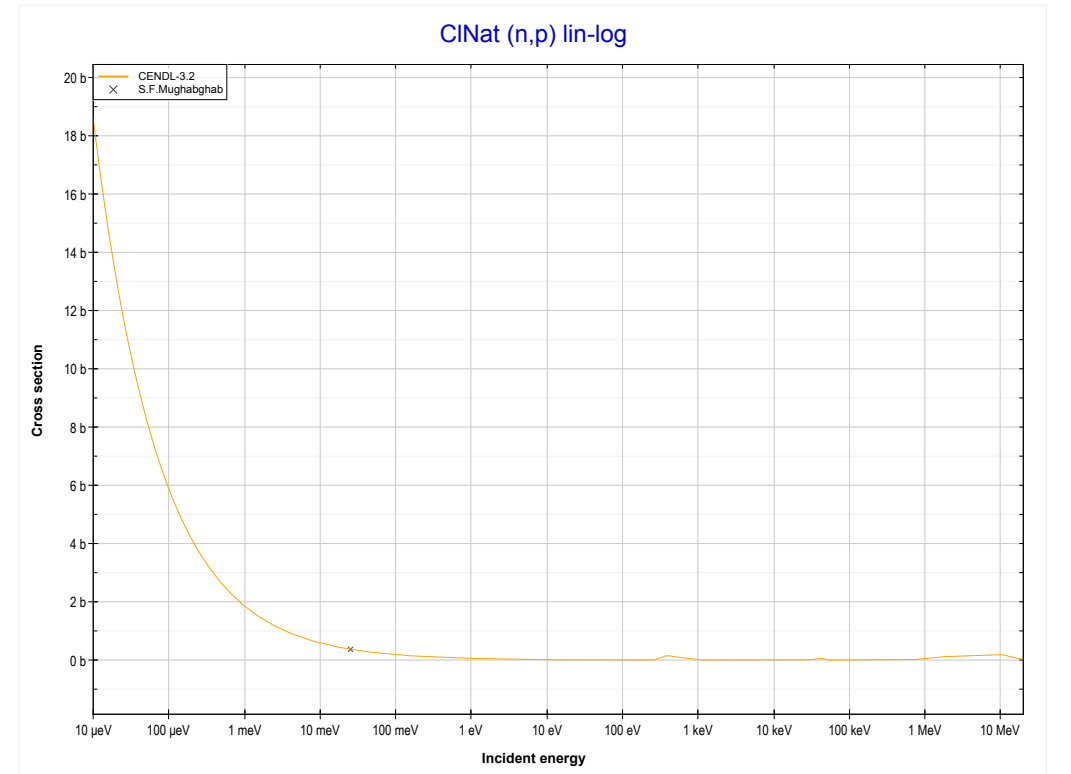
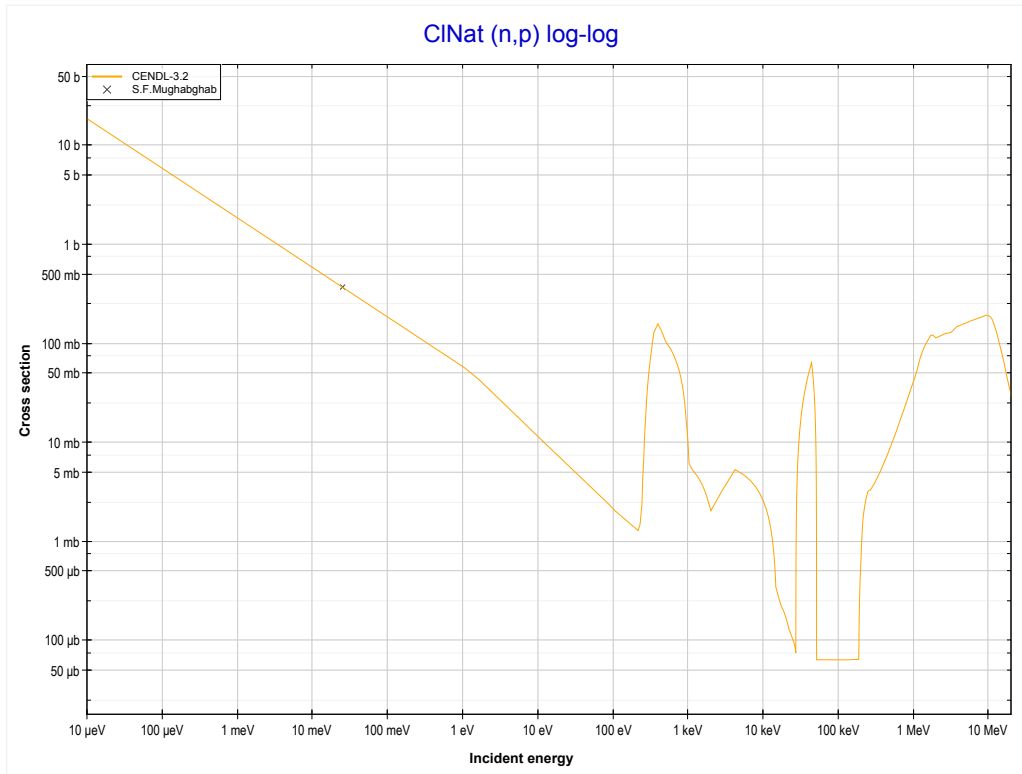
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 16.34 b | 16.34 b | 18.817 b | 1.15162 | 93.93 b | 2.29256 b | 0.905148 b |

| | | |
|--------------------|--------------------------------------|----------------|
| << 16-S-36 | 17-CI-Nat | 17-CI-35 >> |
| << MT2 (n,elastic) | MT102 (n,γ) | MT103 (n,p) >> |



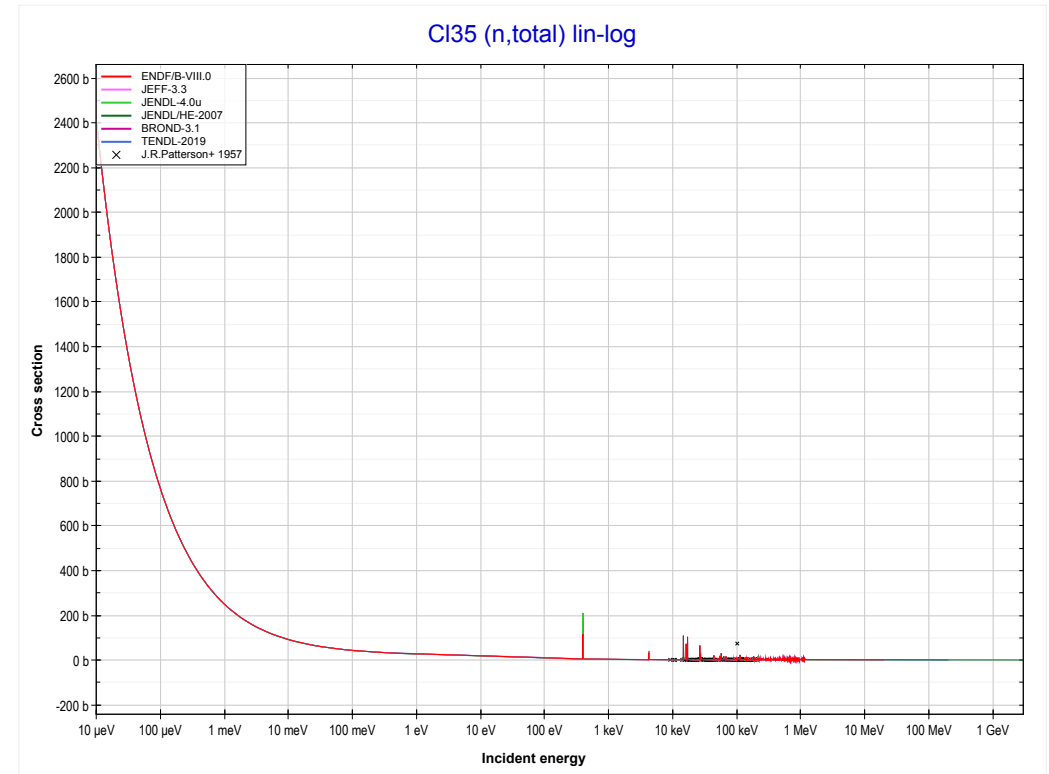
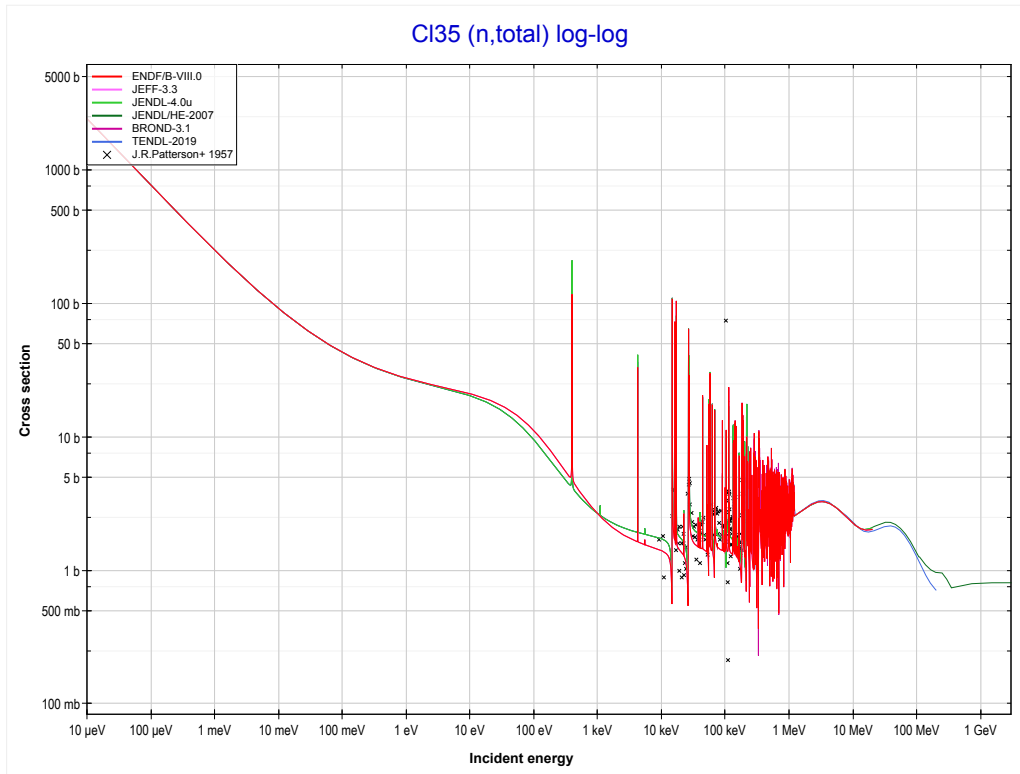
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 32.7091 b | 32.7091 b | 32.719 b | 1.00029 | 13.7852 b | 1.20548E-4 b | 1E-5 b |

| | | |
|-------------------------|--------------------|---------------------------|
| << 16-S-34 | 17-CI-Nat | 17-CI-35 >> |
| << MT102 (n, γ) | MT103 (n,p) | 17-CI-35 MT1 (n,total) >> |



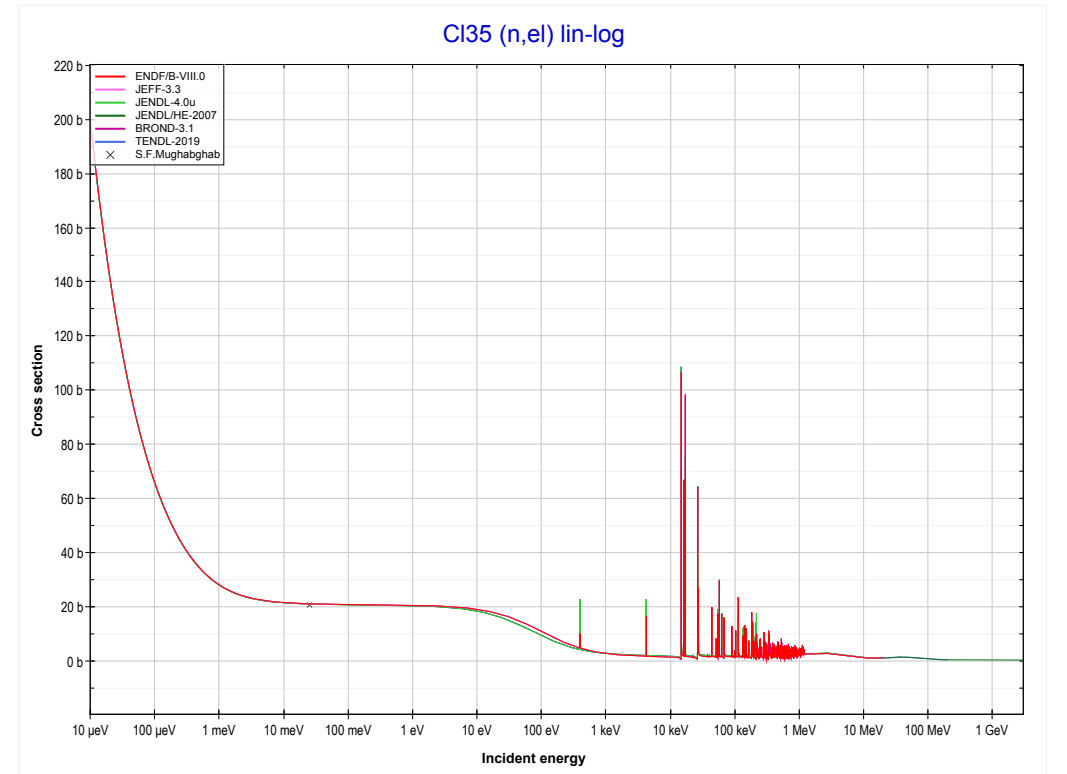
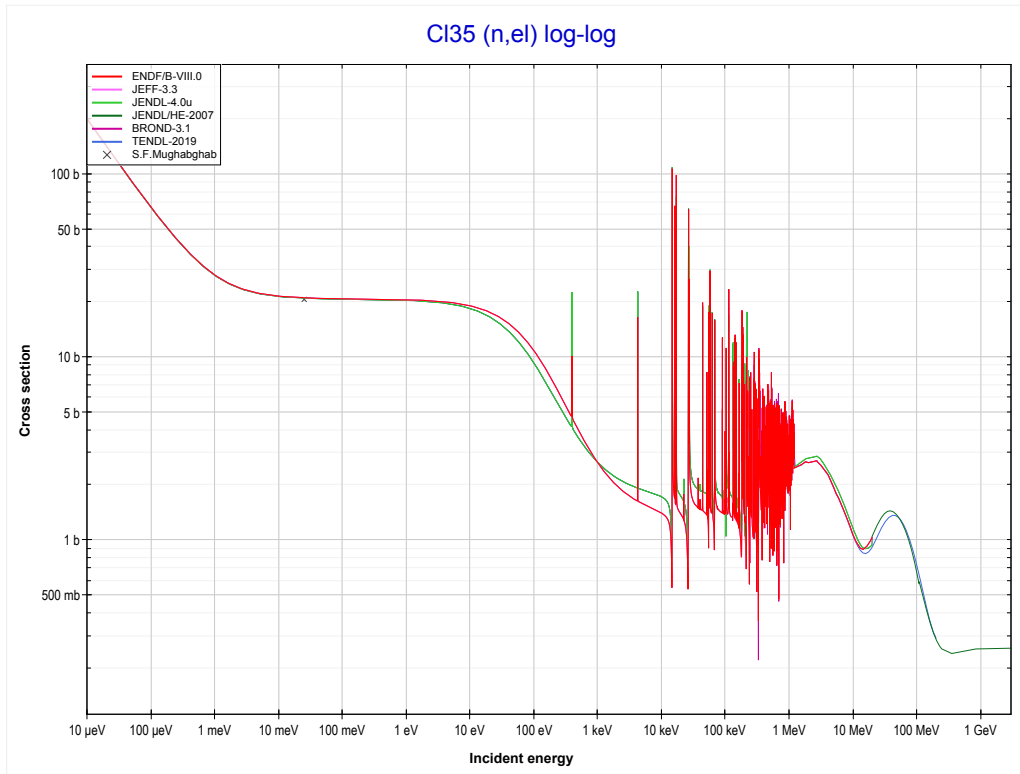
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0.369462 b | 0.369462 b | 0.36948 b | 1.00004 | 0.268301 b | 0.0854671 b | 0.098916 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 17-CI-Nat | 17-CI-35 | 17-CI-37 >> |
| << 17-CI-Nat MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



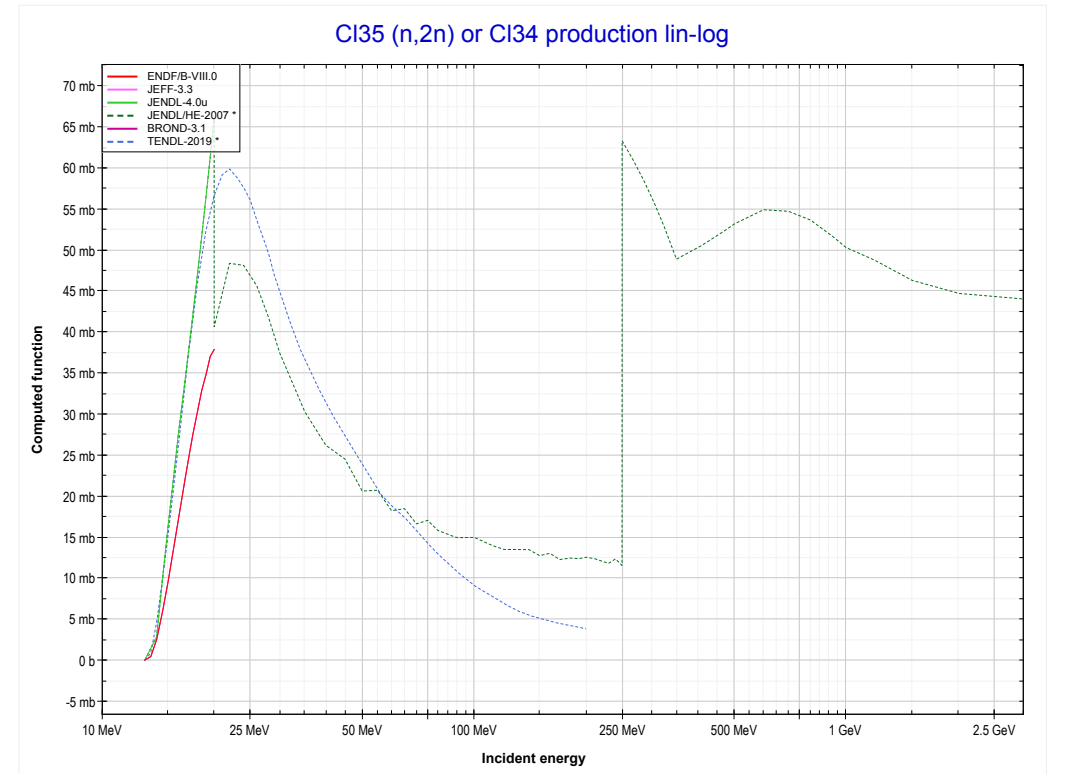
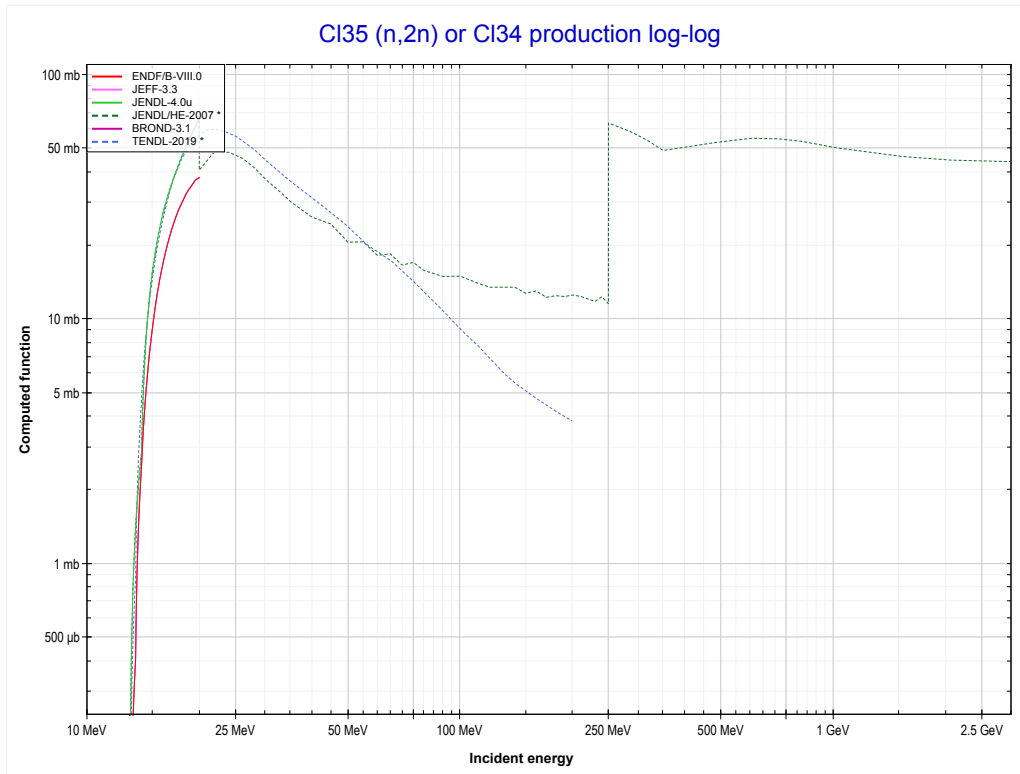
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 65.0768 b | 65.0768 b | 67.771 b | 1.0414 | 137.47 b | 2.81388 b | 2.02354 b |
| JEFF-3.3 | 65.0768 b | 65.0768 b | 67.771 b | 1.0414 | 137.469 b | 2.81419 b | 2.02377 b |
| JENDL-4.0u | 64.999 b | 64.999 b | 67.677 b | 1.0412 | 133.581 b | 2.7222 b | 2.02298 b |
| JENDL/HE-2007 | 64.9882 b | 64.9882 b | 67.657 b | 1.04106 | 133.617 b | 2.72242 b | 2.02298 b |
| BROND-3.1 | 65.0753 b | 65.0753 b | 67.769 b | 1.0414 | 137.447 b | 2.81421 b | 2.02425 b |
| TENDL-2019 | 64.9922 b | 64.9922 b | 67.661 b | 1.04106 | 133.38 b | 2.87462 b | 1.98246 b |

| | | |
|------------------|------------------------|----------------|
| << 17-CI-Nat | 17-CI-35 | 17-CI-37 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



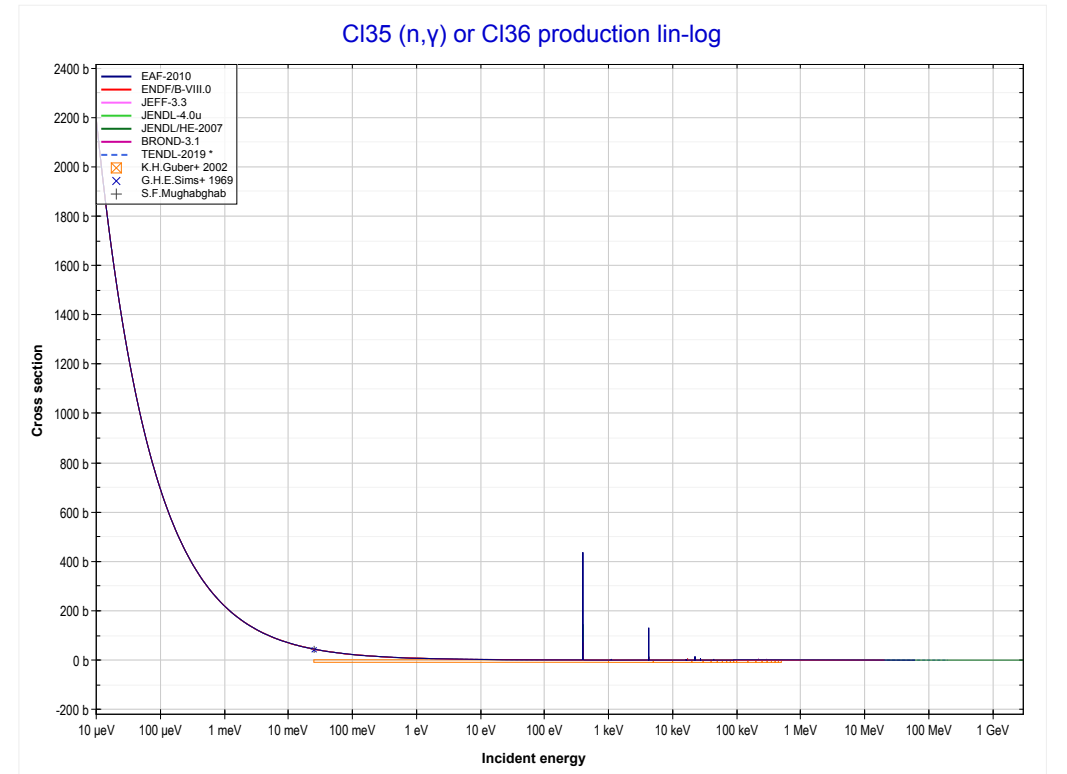
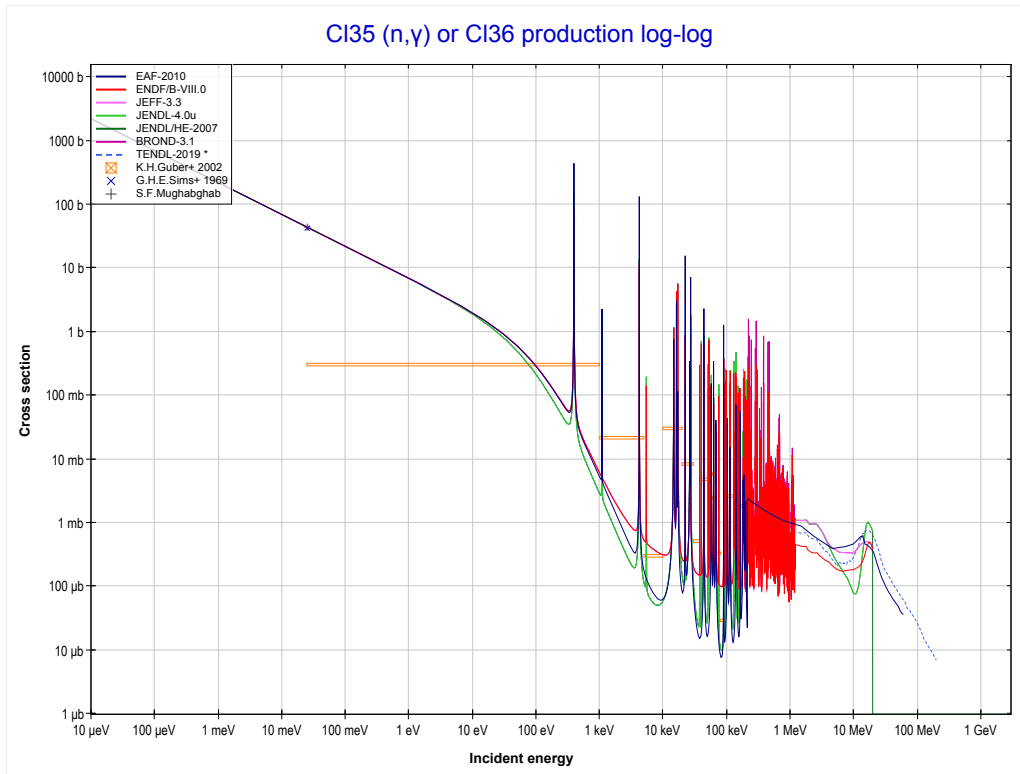
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.9822 b | 20.9822 b | 23.669 b | 1.12804 | 119.049 b | 2.47512 b | 0.887965 b |
| JEFF-3.3 | 20.9822 b | 20.9822 b | 23.669 b | 1.12803 | 119.049 b | 2.47512 b | 0.887965 b |
| JENDL-4.0u | 20.8965 b | 20.8965 b | 23.57 b | 1.12794 | 115.293 b | 2.46158 b | 0.90967 b |
| JENDL/HE-2007 | 20.8965 b | 20.8965 b | 23.571 b | 1.128 | 115.335 b | 2.46151 b | 0.90967 b |
| BROND-3.1 | 20.9822 b | 20.9822 b | 23.669 b | 1.12803 | 119.046 b | 2.47497 b | 0.8887 b |
| TENDL-2019 | 20.8973 b | 20.8973 b | 23.572 b | 1.128 | 115.338 b | 2.50541 b | 0.853061 b |

| | | |
|--------------------|---|-------------------------|
| << 16-S-32 | 17-CI-35 | 19-K-39 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cl34 production) | MT102 (n, γ) >> |



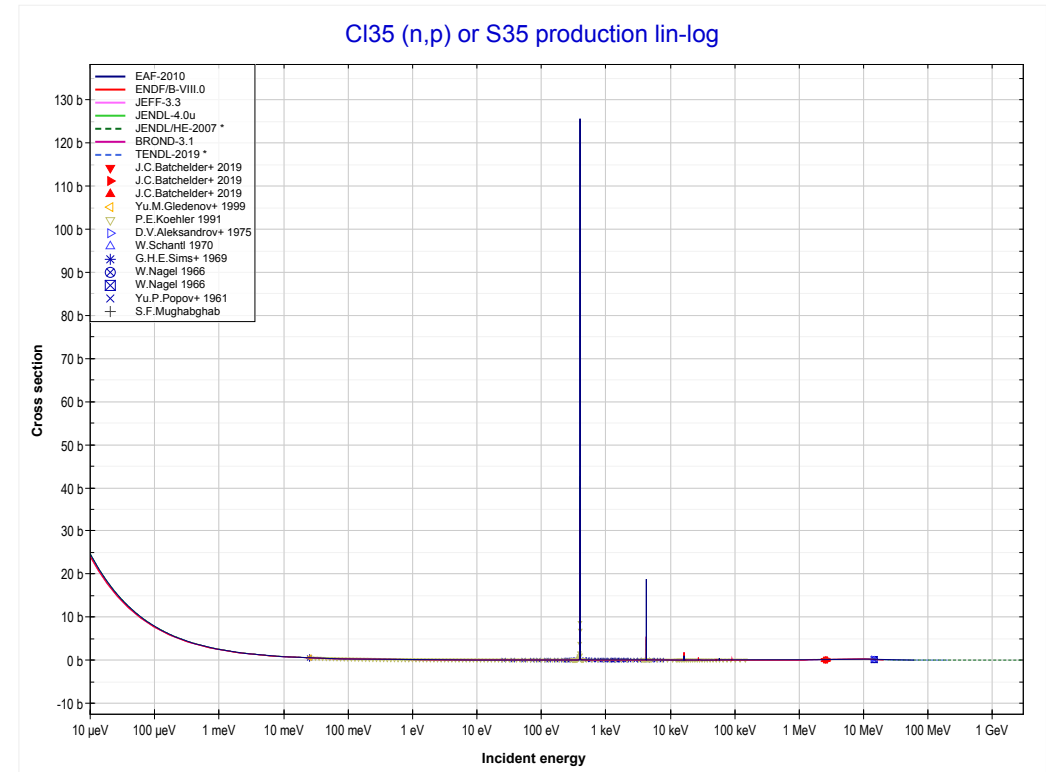
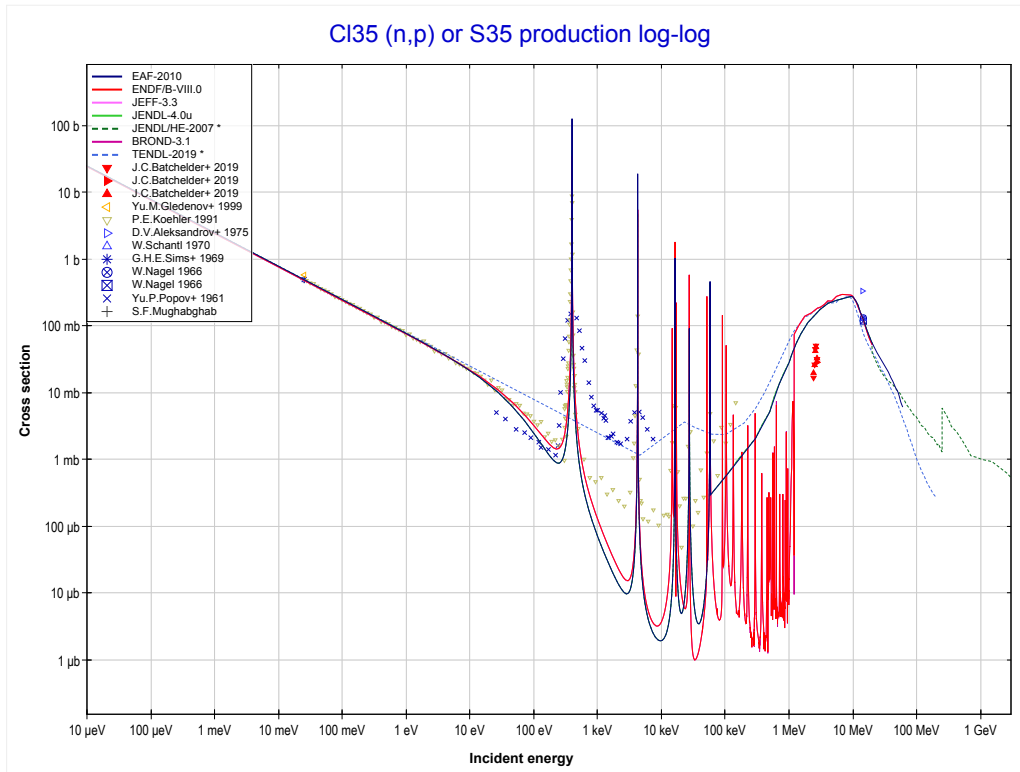
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45729E-6 b | 0.00246813 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45729E-6 b | 0.00246813 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.35094E-6 b | 0.00282 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35161E-6 b | 0.00282 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4573E-6 b | 0.00246813 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30808E-6 b | 0.00459572 b |

| | | |
|----------------|---|----------------|
| << 17-CI-Nat | 17-CI-35 | 17-CI-36 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cl36 production) | MT103 (n,p) >> |



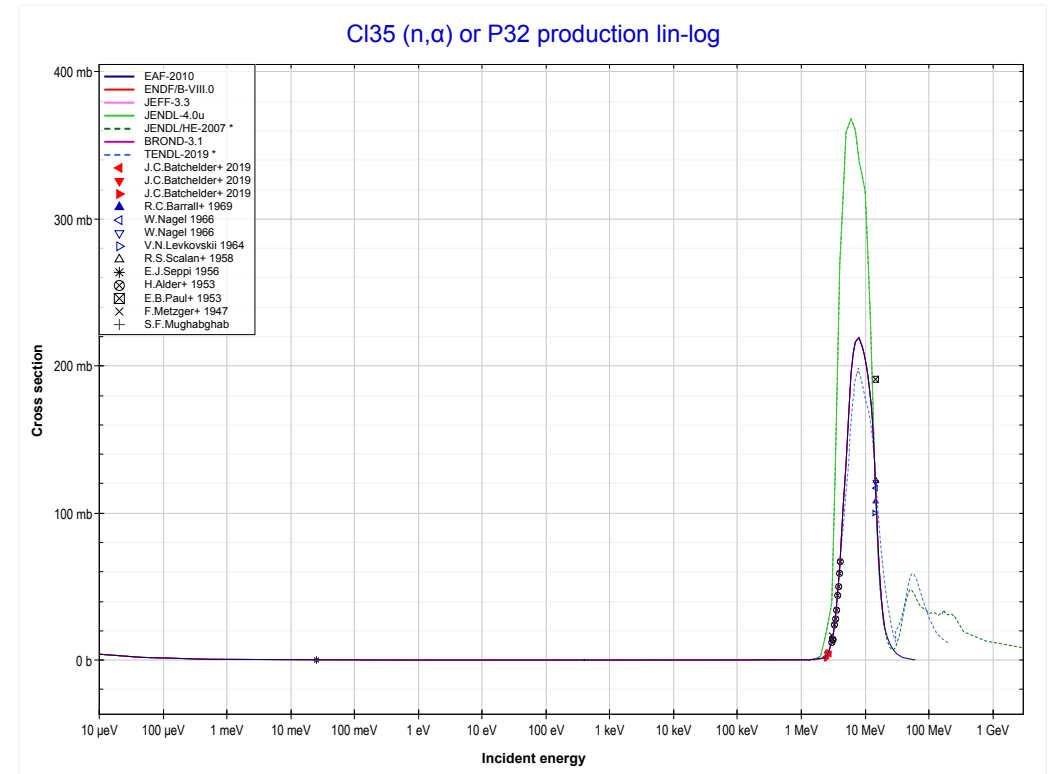
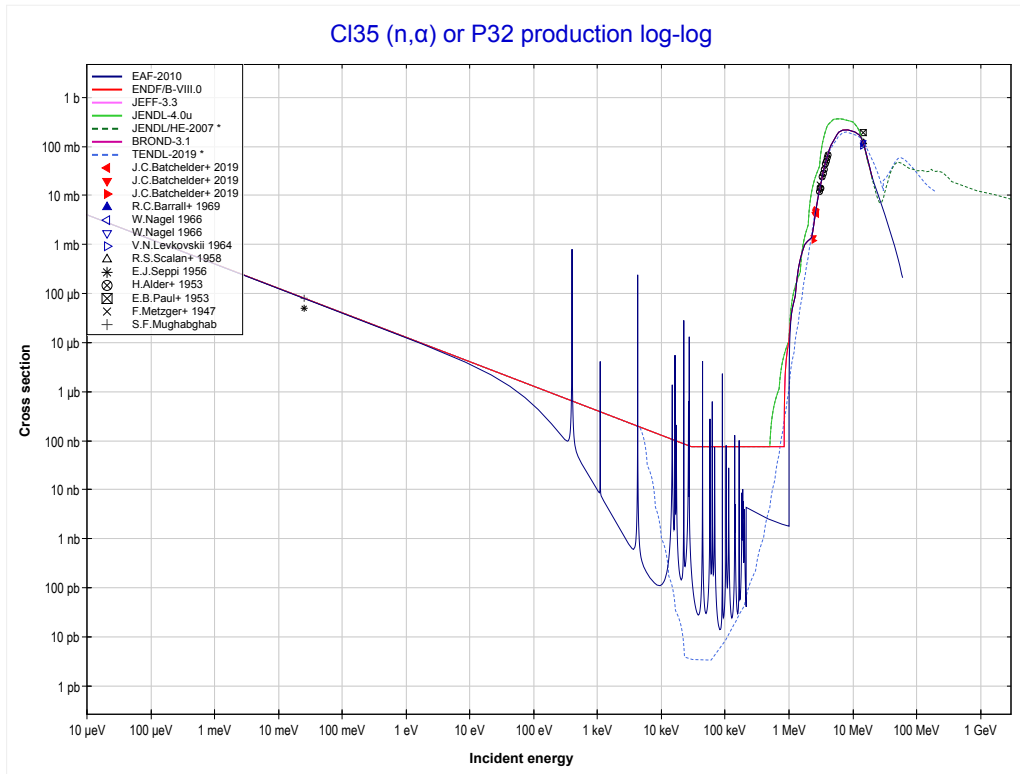
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 43.629 b | 43.5963 b | 43.59 b | 0.99986 | 18.2445 b | 8.87697E-4 b | 6.2E-4 b |
| ENDF/B-VIII.0 | 43.6153 b | 43.6153 b | 43.623 b | 1.00018 | 17.9476 b | 5.72661E-4 b | 2.48894E-4 b |
| JEFF-3.3 | 43.6153 b | 43.6153 b | 43.623 b | 1.00018 | 17.9476 b | 8.81844E-4 b | 4.8043E-4 b |
| JENDL-4.0u | 43.6116 b | 43.6116 b | 43.616 b | 1.0001 | 17.8227 b | 0.00108154 b | 3.49387E-4 b |
| JENDL/HE-2007 | 43.6001 b | 43.6001 b | 43.594 b | 0.99986 | 17.8099 b | 0.00108129 b | 3.49387E-4 b |
| BROND-3.1 | 43.6165 b | 43.6165 b | 43.624 b | 1.00017 | 17.929 b | 0.00106548 b | 4.8043E-4 b |
| TENDL-2019 | 43.6023 b | 43.6023 b | 43.596 b | 0.99986 | 17.8101 b | 7.91764E-4 b | 6.83131E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 17-CI-Nat | 17-CI-35 | 17-CI-36 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (S35 production) | MT107 (n, α) >> |



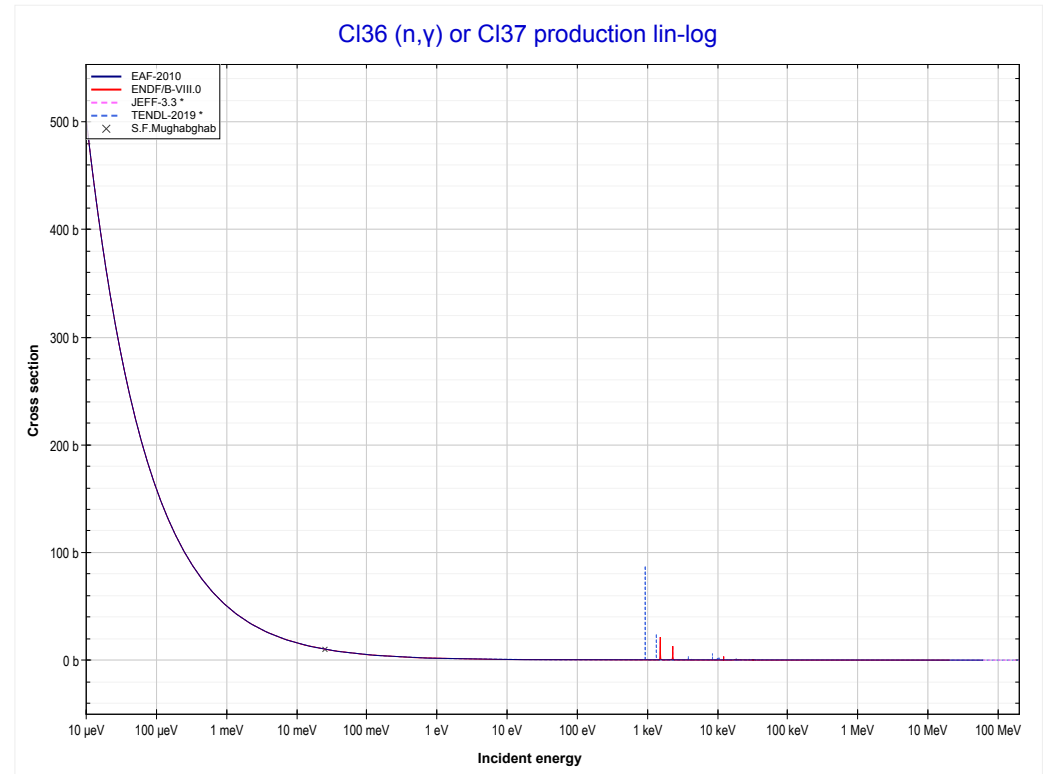
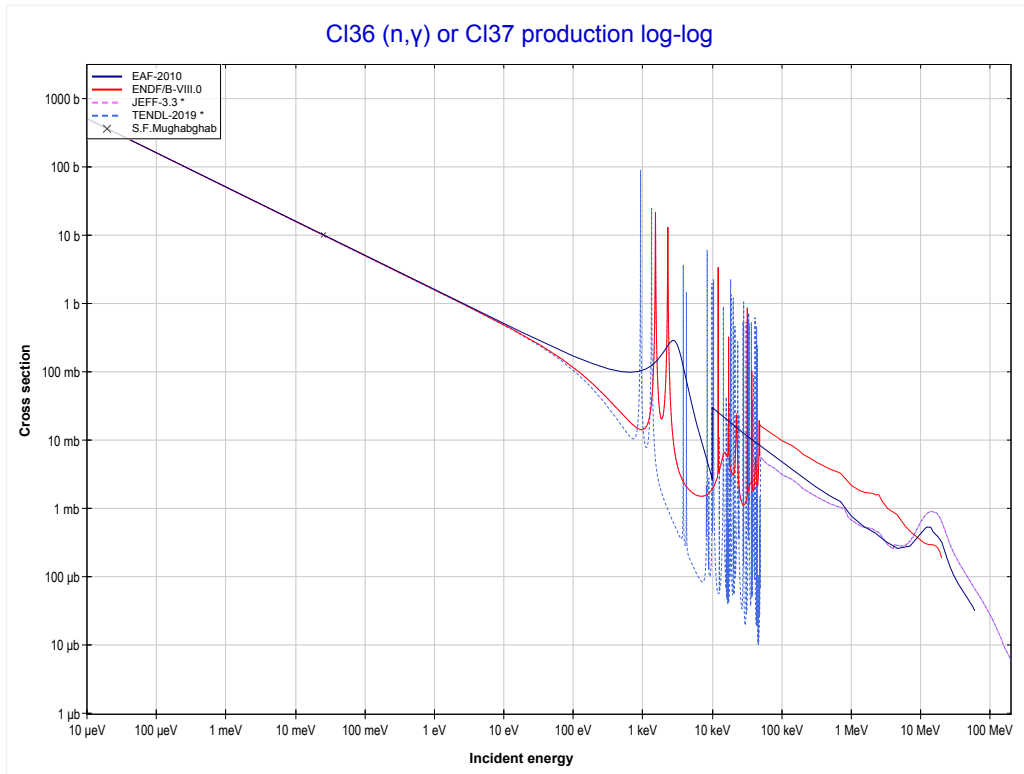
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.489031 b | 0.488719 b | 0.49032 b | 1.00338 | 0.466068 b | 0.0948205 b | 0.137106 b |
| ENDF/B-VIII.0 | 0.479288 b | 0.479288 b | 0.47937 b | 1.00018 | 0.472613 b | 0.106133 b | 0.132046 b |
| JEFF-3.3 | 0.479288 b | 0.479288 b | 0.47937 b | 1.00018 | 0.472612 b | 0.106133 b | 0.132046 b |
| JENDL-4.0u | 0.490772 b | 0.490772 b | 0.49084 b | 1.00013 | 0.466095 b | 0.0949061 b | 0.137106 b |
| JENDL/HE-2007 | 0.489292 b | 0.489292 b | 0.48979 b | 1.00103 | 0.466099 b | 0.0949105 b | 0.137106 b |
| BROND-3.1 | 0.476619 b | 0.476619 b | 0.4767 b | 1.00017 | 0.471147 b | 0.106137 b | 0.132045 b |
| TENDL-2019 | 0.489561 b | 0.489561 b | 0.48996 b | 1.00082 | 0.226062 b | 0.11398 b | 0.0863128 b |

| | | |
|----------------|--|----------------------------------|
| << 16-S-34 | 17-CI-35 | 17-CI-36 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (P32 production) | 17-CI-36 MT102 (n, γ) >> |



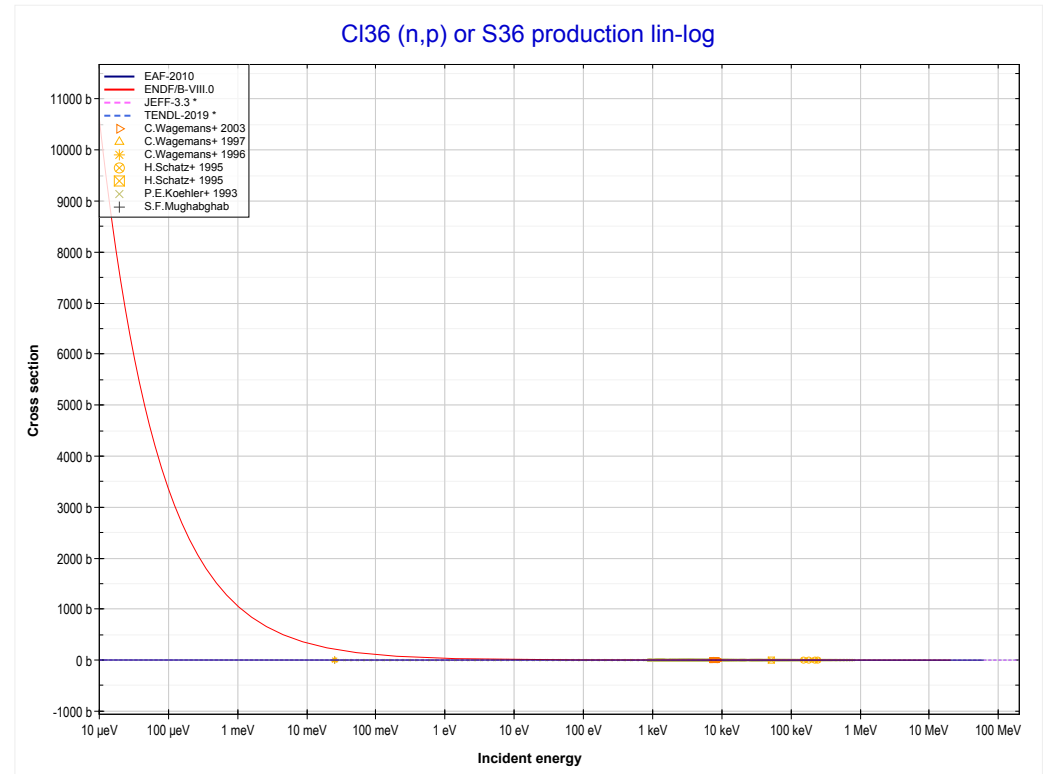
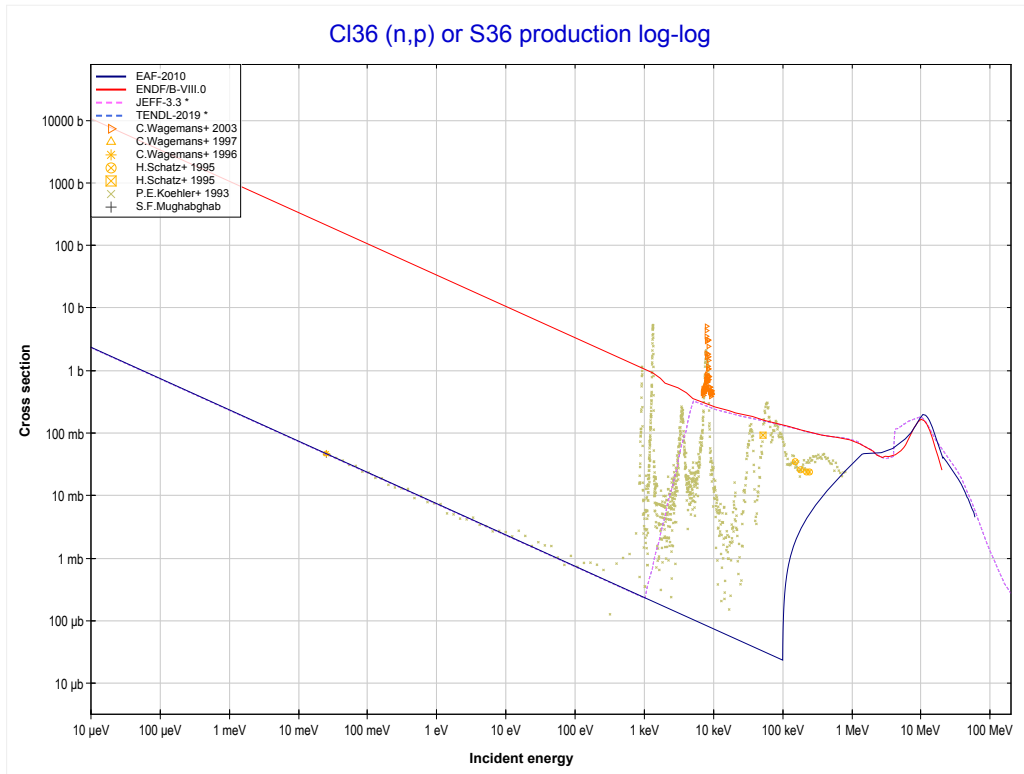
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 8E-5 b | 7.994E-5 b | 7.9929E-5 b | 0.99986 | 3.3454E-5 b | 0.0207626 b | 0.136288 b |
| ENDF/B-VIII.0 | 8.00598E-5 b | 8.00598E-5 b | 8.0081E-5 b | 1.00026 | 3.60271E-5 b | 0.0207632 b | 0.136288 b |
| JEFF-3.3 | 8.00598E-5 b | 8.00598E-5 b | 8.0081E-5 b | 1.00026 | 3.60271E-5 b | 0.0207632 b | 0.136288 b |
| JENDL-4.0u | 8.00221E-5 b | 8.00221E-5 b | 8.0046E-5 b | 1.0003 | 3.5974E-5 b | 0.056675 b | 0.137298 b |
| JENDL/HE-2007 | 8.00011E-5 b | 8.00011E-5 b | 8.0006E-5 b | 1.00006 | 3.59497E-5 b | 0.0566753 b | 0.137298 b |
| BROND-3.1 | 8.00598E-5 b | 8.00598E-5 b | 8.0081E-5 b | 1.00027 | 3.60101E-5 b | 0.0207631 b | 0.136289 b |
| TENDL-2019 | 8.00917E-5 b | 8.00917E-5 b | 8.0157E-5 b | 1.00082 | 3.58014E-5 b | 0.0185141 b | 0.134788 b |

| | | |
|----------------------------------|---|----------------|
| << 17-CI-35 | 17-CI-36 | 17-CI-37 >> |
| << 17-CI-35 MT107 (n, α) | MT102 (n,γ) or MT5 (Cl37 production) | MT103 (n,p) >> |



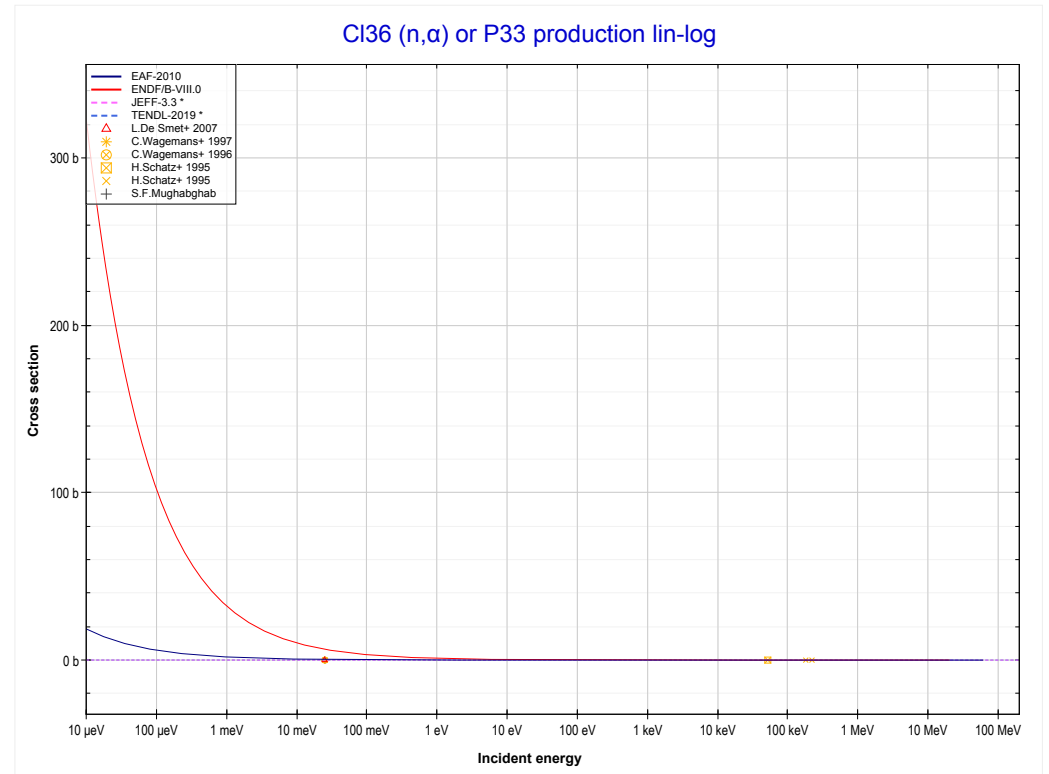
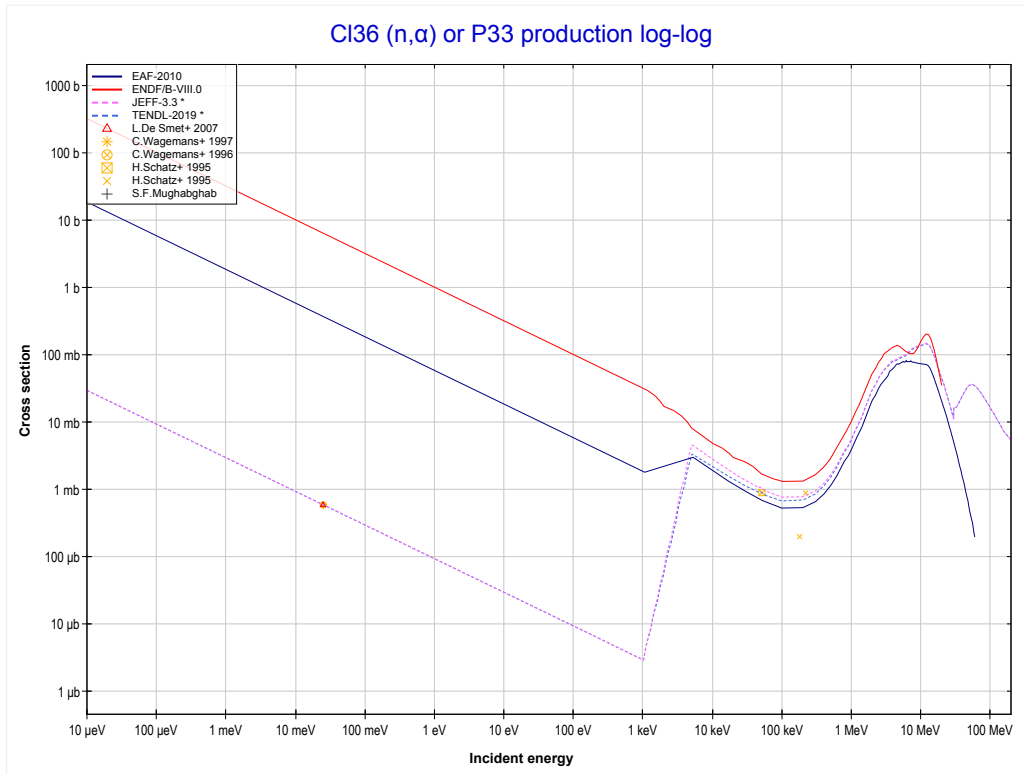
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10.0002 b | 9.99267 b | 9.9928 b | 1.00001 | 4.78064 b | 9.36955E-4 b | 5.3E-4 b |
| ENDF/B-VIII.0 | 9.99535 b | 9.99535 b | 9.9977 b | 1.00024 | 4.72003 b | 0.00233015 b | 2.97072E-4 b |
| JEFF-3.3 | 9.9962 b | 9.9962 b | 9.9989 b | 1.00027 | 4.7137 b | 7.73207E-4 b | 9.10517E-4 b |
| TENDL-2019 | 9.99172 b | 9.99172 b | 9.9918 b | 1.00001 | 4.71461 b | 7.65417E-4 b | 9.10743E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 17-CI-35 | 17-CI-36 | 17-CI-37 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (S36 production) | MT107 (n, α) >> |



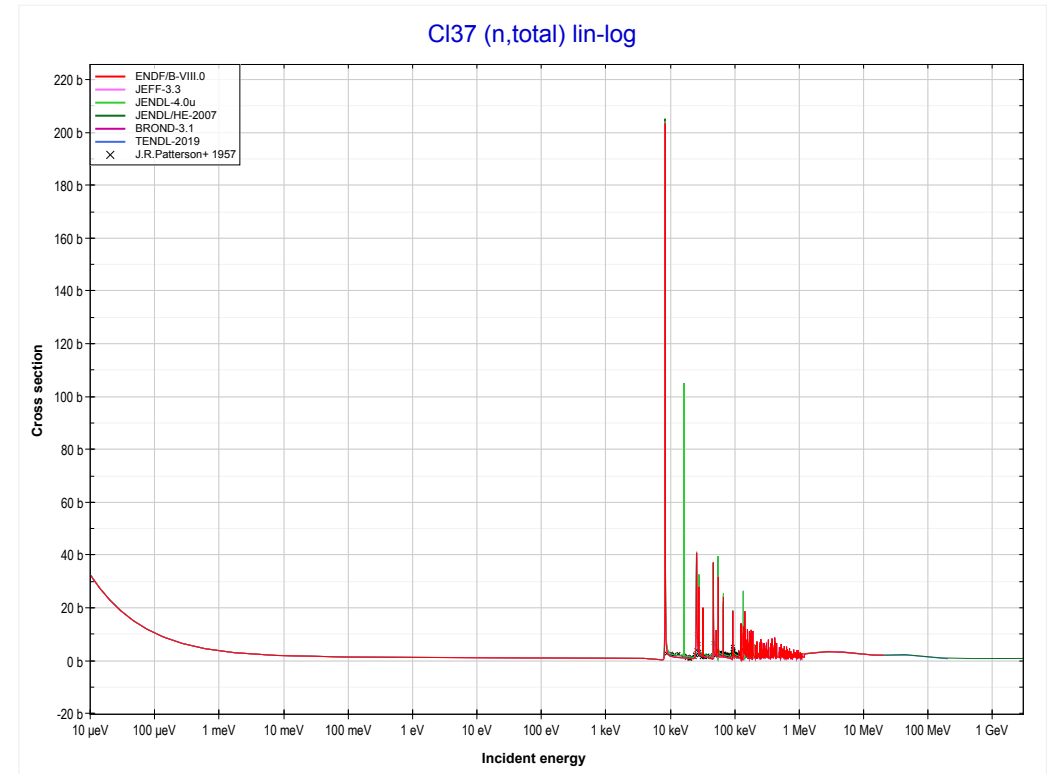
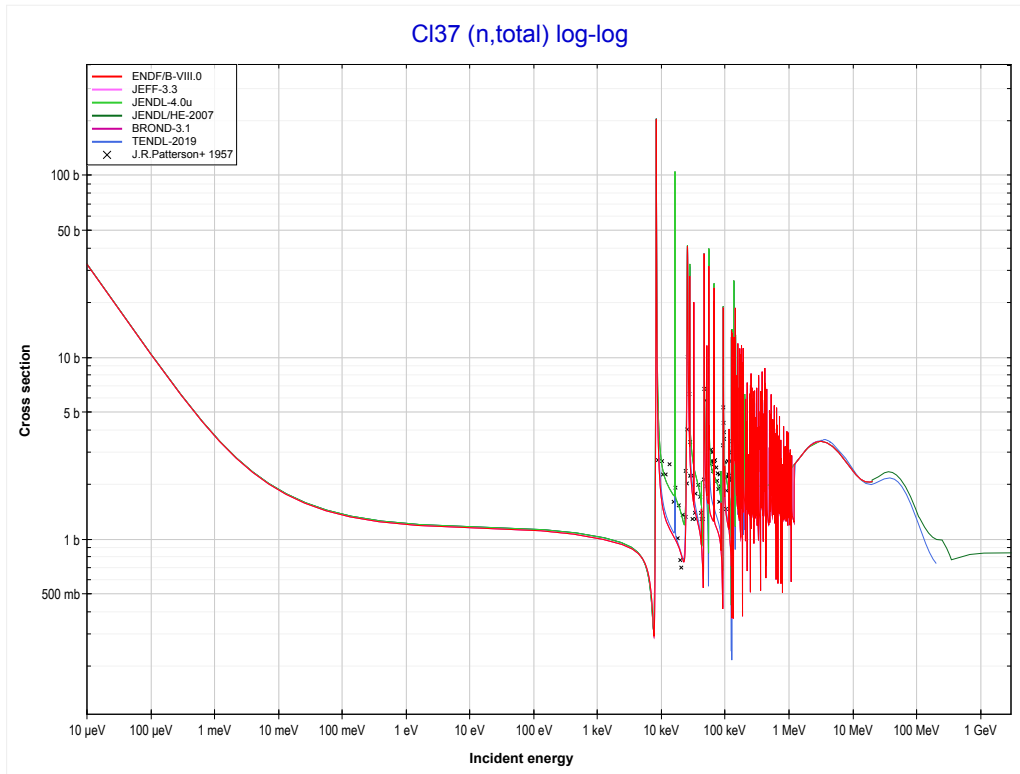
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.047 b | 0.0469648 b | 0.046969 b | 1.00008 | 0.0211004 b | 0.0409031 b | 0.139246 b |
| ENDF/B-VIII.0 | 211.075 b | 211.075 b | 211.15 b | 1.00035 | 94.7383 b | 0.0674773 b | 0.0961627 b |
| JEFF-3.3 | 0.0463376 b | 0.0463376 b | 0.046344 b | 1.00013 | 0.703899 b | 0.07487 b | 0.106025 b |
| TENDL-2019 | 0.046216 b | 0.046216 b | 0.046255 b | 1.00084 | 0.703954 b | 0.0749606 b | 0.10614 b |

| | | |
|----------------|--|---------------------------|
| << 17-CI-35 | 17-CI-36 | 17-CI-37 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (P33 production) | 17-CI-37 MT1 (n,total) >> |



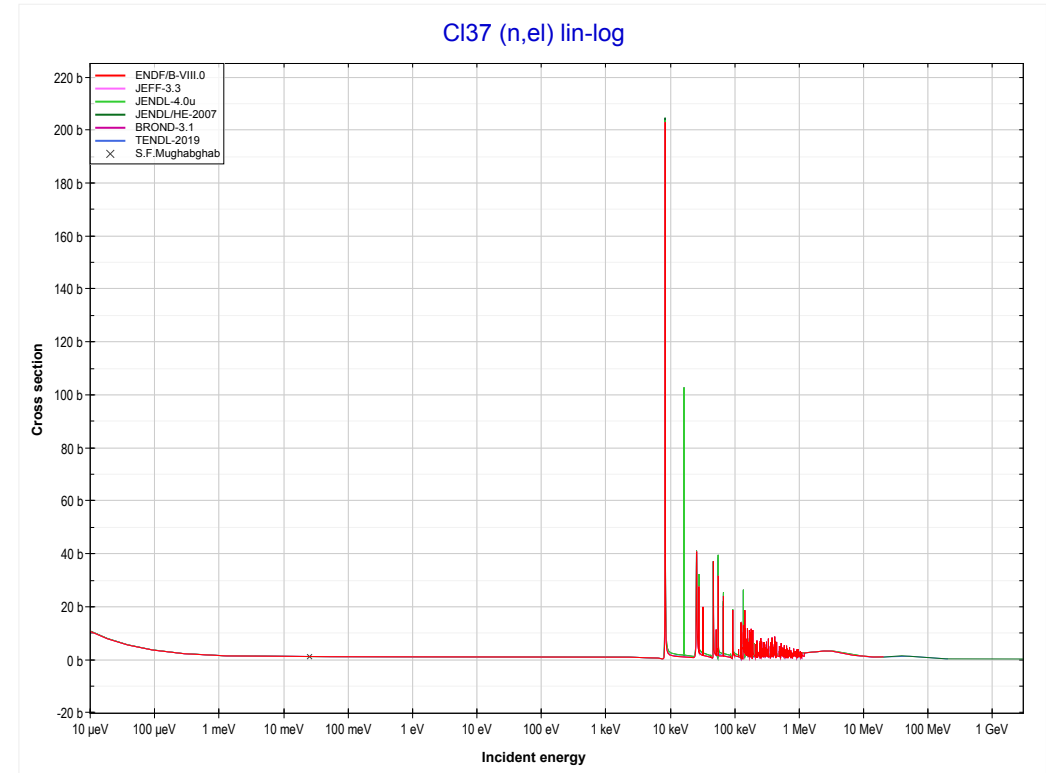
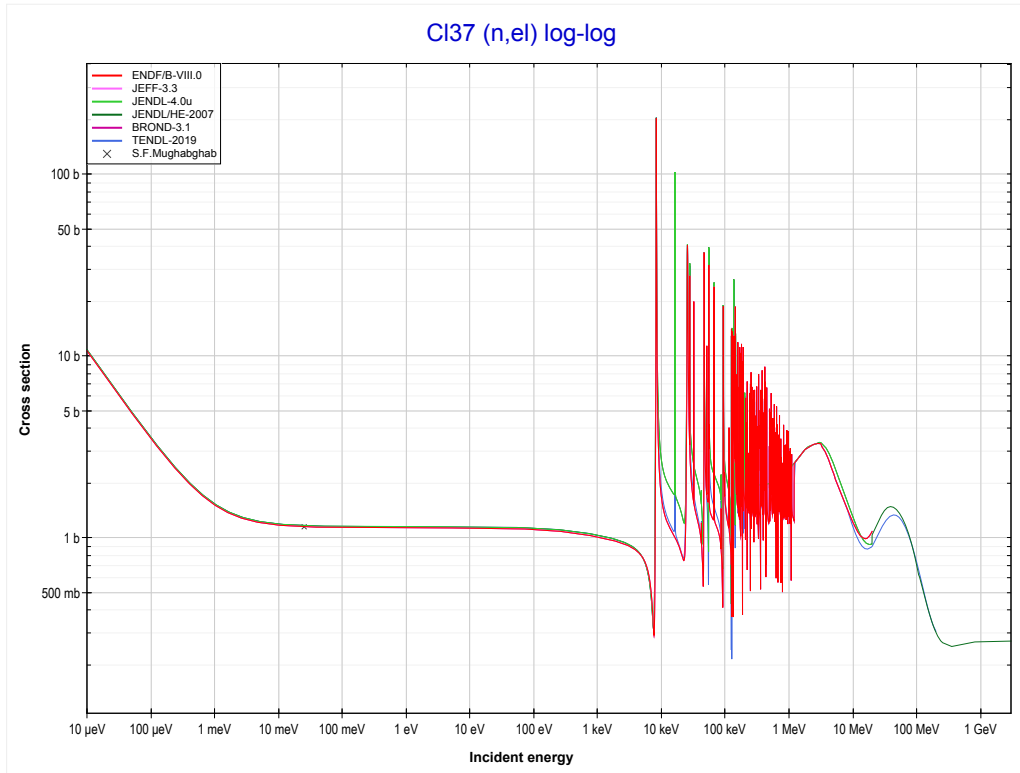
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.370824 b | 0.370546 b | 0.37056 b | 1.00004 | 0.17133 b | 0.0228373 b | 0.0606547 b |
| ENDF/B-VIII.0 | 6.43048 b | 6.43048 b | 6.4327 b | 1.00035 | 2.87421 b | 0.0490907 b | 0.174425 b |
| JEFF-3.3 | 5.92036E-4 b | 5.92036E-4 b | 5.9212E-4 b | 1.00013 | 0.00723964 b | 0.0314451 b | 0.129501 b |
| TENDL-2019 | 5.90485E-4 b | 5.90485E-4 b | 5.9098E-4 b | 1.00084 | 0.00574113 b | 0.0307032 b | 0.128333 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 17-CI-35 | 17-CI-37 | 18-Ar-36 >> |
| << 17-CI-36 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



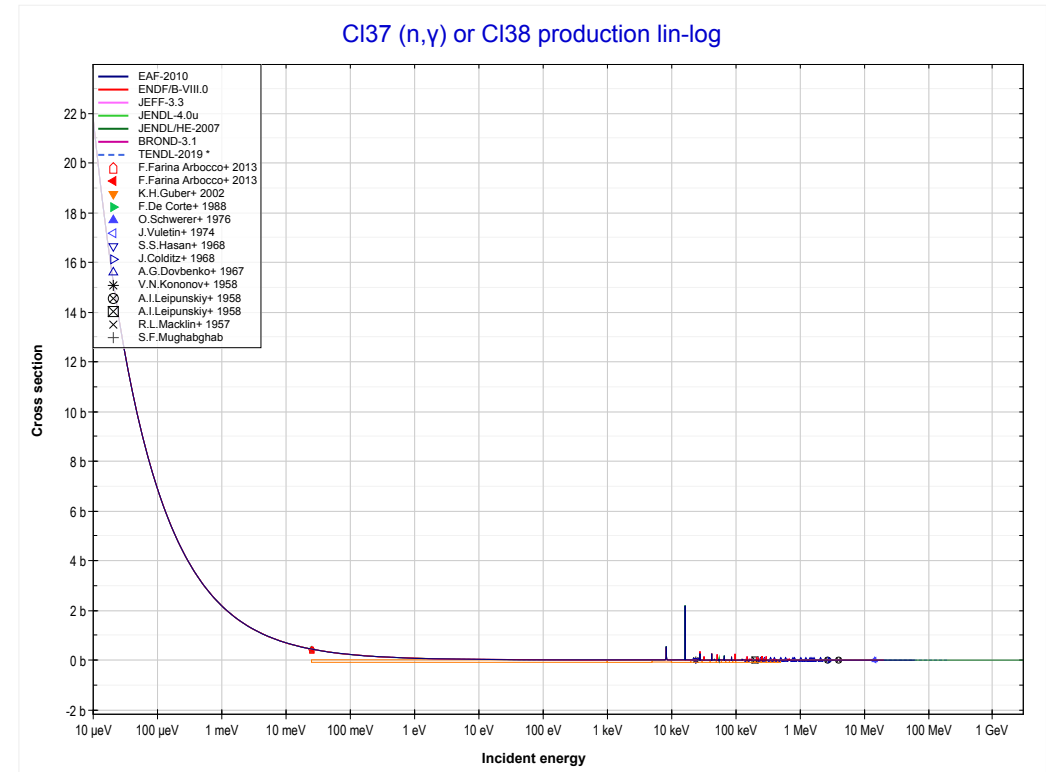
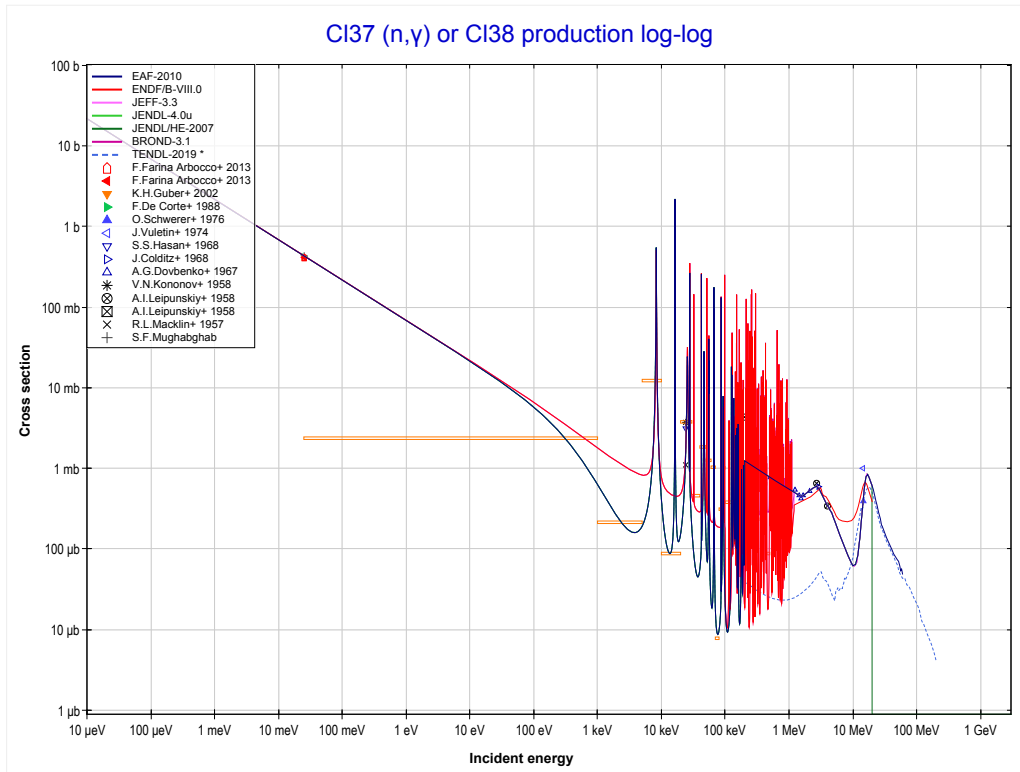
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.58337 b | 1.58337 b | 1.7311 b | 1.09329 | 18.7895 b | 2.61913 b | 2.10892 b |
| JEFF-3.3 | 1.58337 b | 1.58337 b | 1.7311 b | 1.09329 | 18.7895 b | 2.61916 b | 2.10866 b |
| JENDL-4.0u | 1.5991 b | 1.5991 b | 1.7488 b | 1.09363 | 22.0173 b | 2.80781 b | 2.10606 b |
| JENDL/HE-2007 | 1.59897 b | 1.59897 b | 1.7486 b | 1.09361 | 22.0206 b | 2.80746 b | 2.10606 b |
| BROND-3.1 | 1.58337 b | 1.58337 b | 1.7311 b | 1.09329 | 18.7895 b | 2.61936 b | 2.10866 b |
| TENDL-2019 | 1.59898 b | 1.59898 b | 1.7487 b | 1.09361 | 20.2733 b | 2.63965 b | 2.08854 b |

| | | |
|------------------|------------------------|-------------------------|
| << 17-CI-35 | 17-CI-37 | 18-Ar-36 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



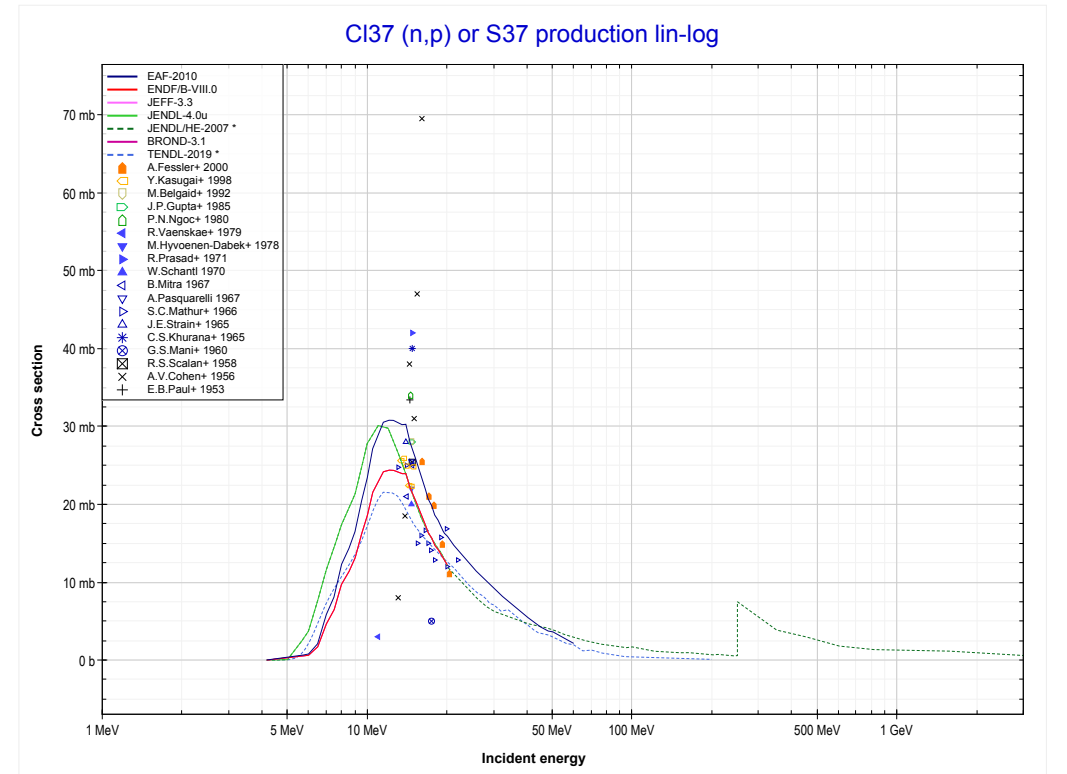
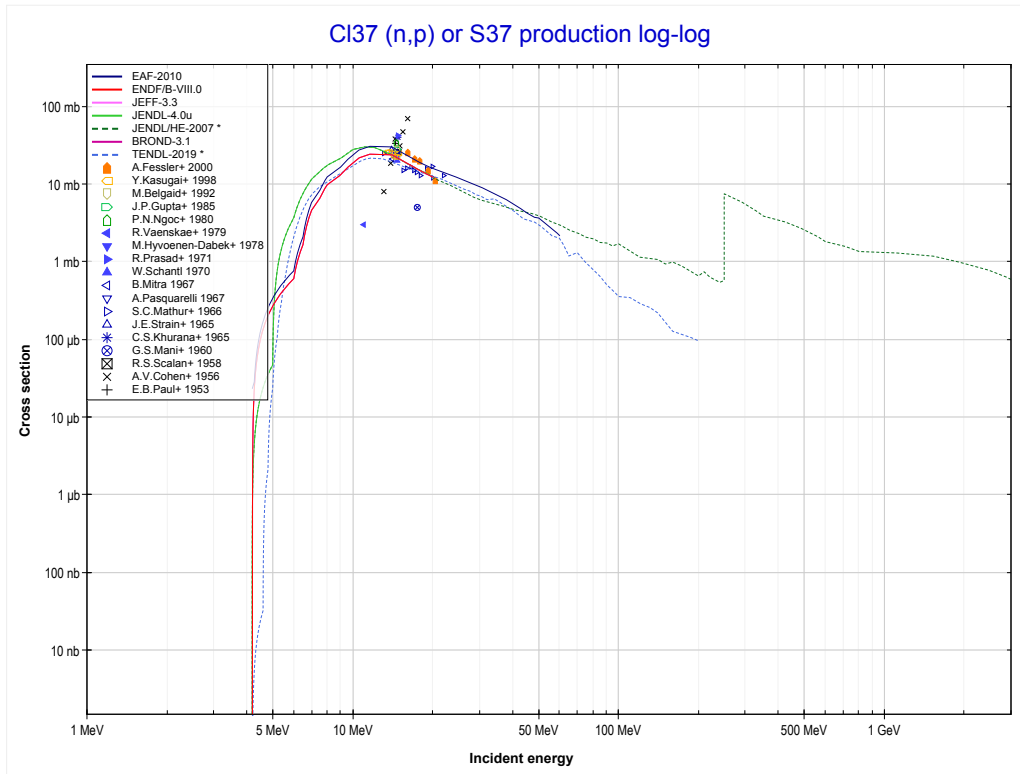
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.15025 b | 1.15025 b | 1.2978 b | 1.12828 | 18.5867 b | 2.45426 b | 1.0067 b |
| JEFF-3.3 | 1.15025 b | 1.15025 b | 1.2978 b | 1.12828 | 18.5867 b | 2.45426 b | 1.0067 b |
| JENDL-4.0u | 1.1661 b | 1.1661 b | 1.3157 b | 1.12828 | 21.8161 b | 2.6937 b | 0.993076 b |
| JENDL/HE-2007 | 1.1661 b | 1.1661 b | 1.3158 b | 1.12834 | 21.819 b | 2.69361 b | 0.993076 b |
| BROND-3.1 | 1.15025 b | 1.15025 b | 1.2978 b | 1.12828 | 18.5867 b | 2.45439 b | 1.0067 b |
| TENDL-2019 | 1.1661 b | 1.1661 b | 1.3158 b | 1.12834 | 20.0716 b | 2.45185 b | 0.897306 b |

| | | |
|--------------------|---|----------------|
| << 17-CI-36 | 17-CI-37 | 18-Ar-36 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Cl38 production) | MT103 (n,p) >> |



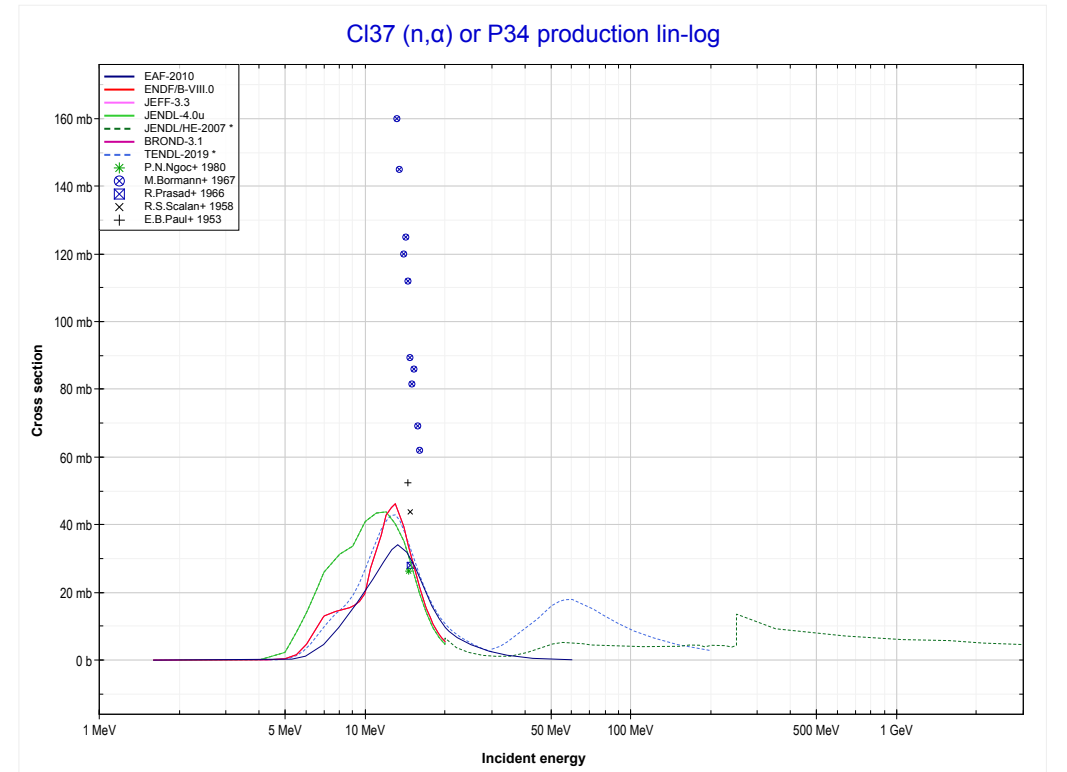
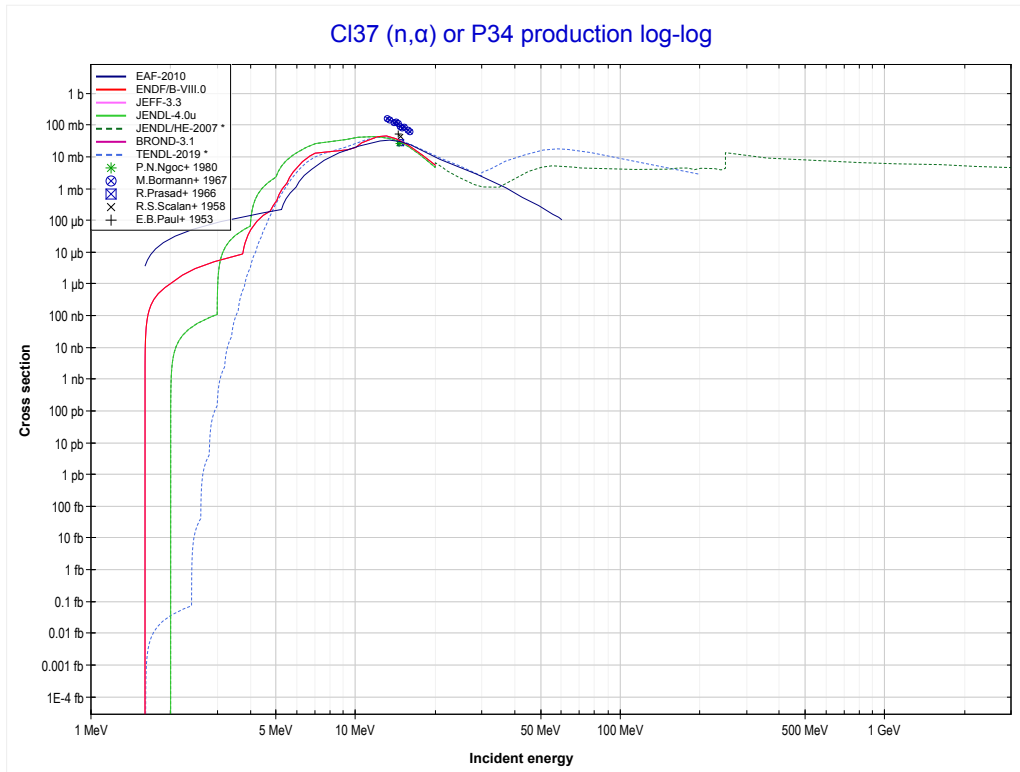
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.433293 b | 0.432969 b | 0.43288 b | 0.99978 | 0.200874 b | 5.527E-4 b | 2.86824E-4 b |
| ENDF/B-VIII.0 | 0.433114 b | 0.433114 b | 0.43326 b | 1.00034 | 0.202783 b | 4.59717E-4 b | 5.47825E-4 b |
| JEFF-3.3 | 0.433114 b | 0.433114 b | 0.43326 b | 1.00034 | 0.202783 b | 4.82073E-4 b | 2.8682E-4 b |
| JENDL-4.0u | 0.432999 b | 0.432999 b | 0.43314 b | 1.00032 | 0.201191 b | 5.52963E-4 b | 2.8682E-4 b |
| JENDL/HE-2007 | 0.432855 b | 0.432855 b | 0.43287 b | 1.00003 | 0.200822 b | 5.52681E-4 b | 2.8682E-4 b |
| BROND-3.1 | 0.433114 b | 0.433114 b | 0.43326 b | 1.00034 | 0.202783 b | 5.55383E-4 b | 2.8682E-4 b |
| TENDL-2019 | 0.432877 b | 0.432877 b | 0.43289 b | 1.00003 | 0.200828 b | 6.55042E-5 b | 2.89659E-4 b |

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|-------------------------|--|-------------------------|
| << 17-CI-36 | 17-CI-37 | 18-Ar-37 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (S37 production) | MT107 (n, α) >> |



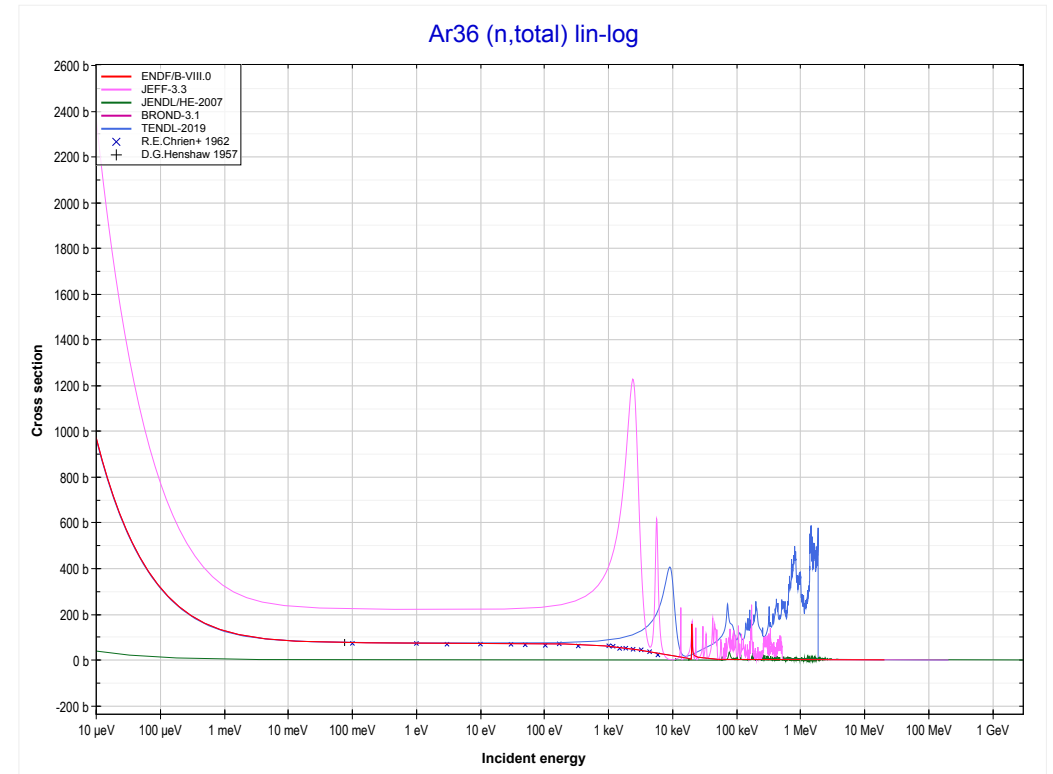
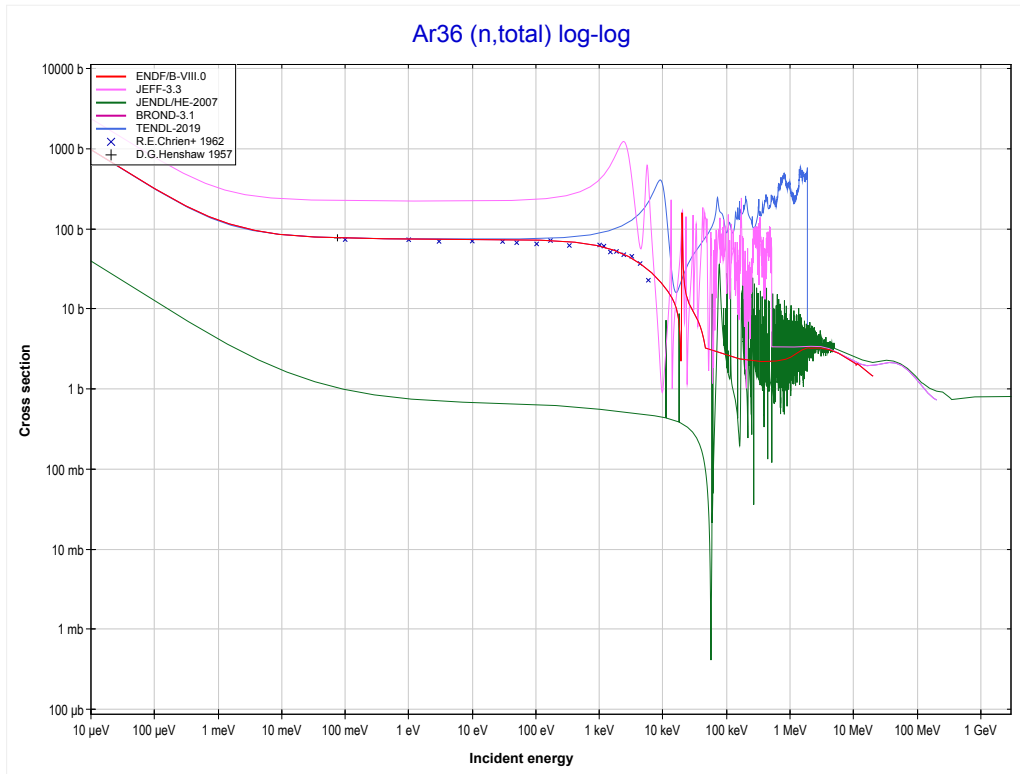
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72136E-4 b | 0.0302668 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15491E-4 b | 0.0239667 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15491E-4 b | 0.0239667 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.47198E-4 b | 0.0239151 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47199E-4 b | 0.0239151 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15491E-4 b | 0.0239667 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.68921E-4 b | 0.0193086 b |

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|----------------|--|---------------------------|
| << 17-CI-36 | 17-CI-37 | 18-Ar-36 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (P34 production) | 18-Ar-36 MT1 (n,total) >> |



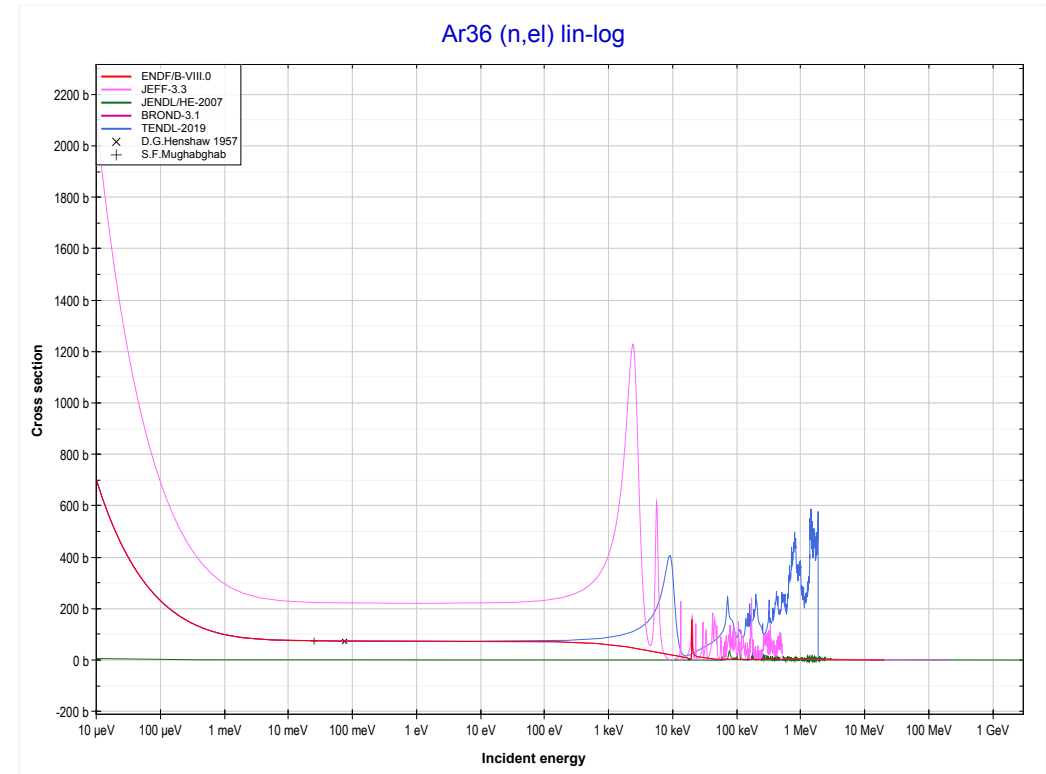
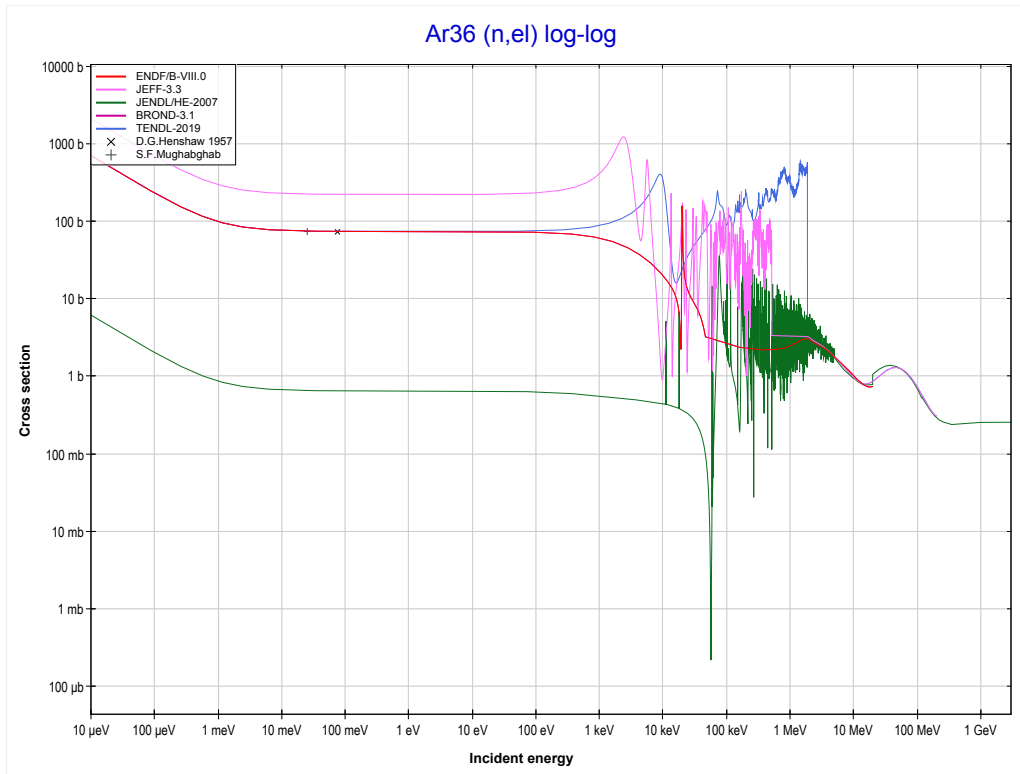
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76051E-4 b | 0.0326791 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5087E-4 b | 0.039477 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5087E-4 b | 0.039477 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00106902 b | 0.035263 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00106902 b | 0.035263 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5087E-4 b | 0.039477 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06718E-4 b | 0.038439 b |

| | | |
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| << 17-CI-37 | 18-Ar-36 | 18-Ar-40 >> |
| << 17-CI-37 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



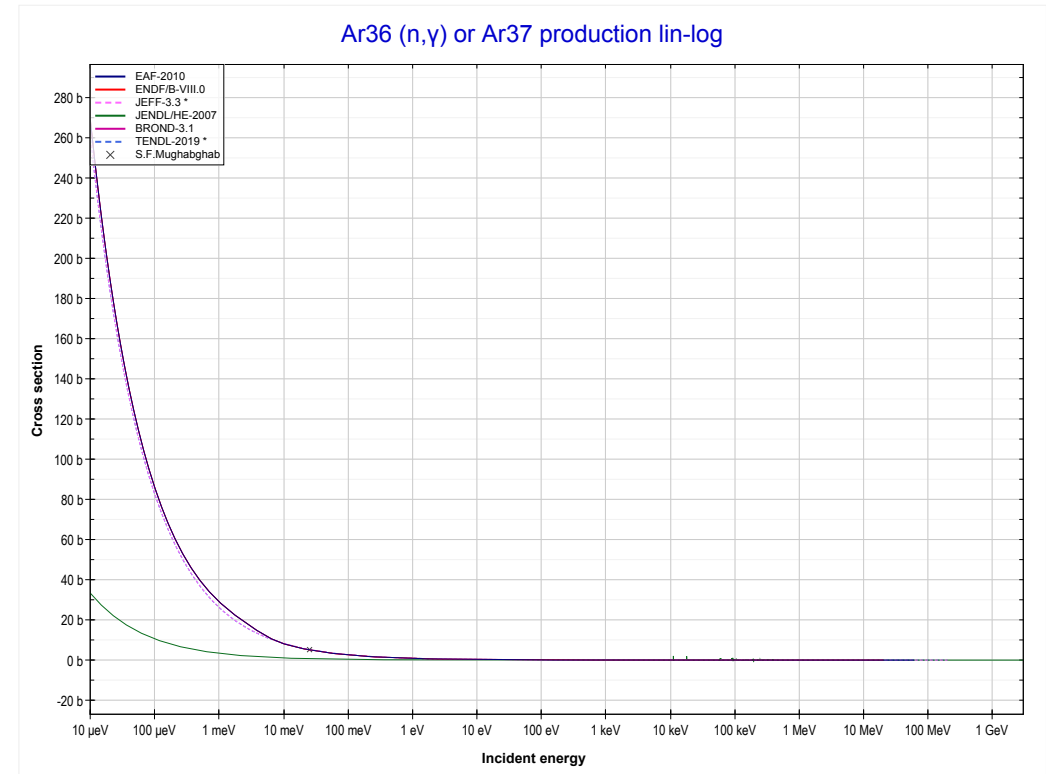
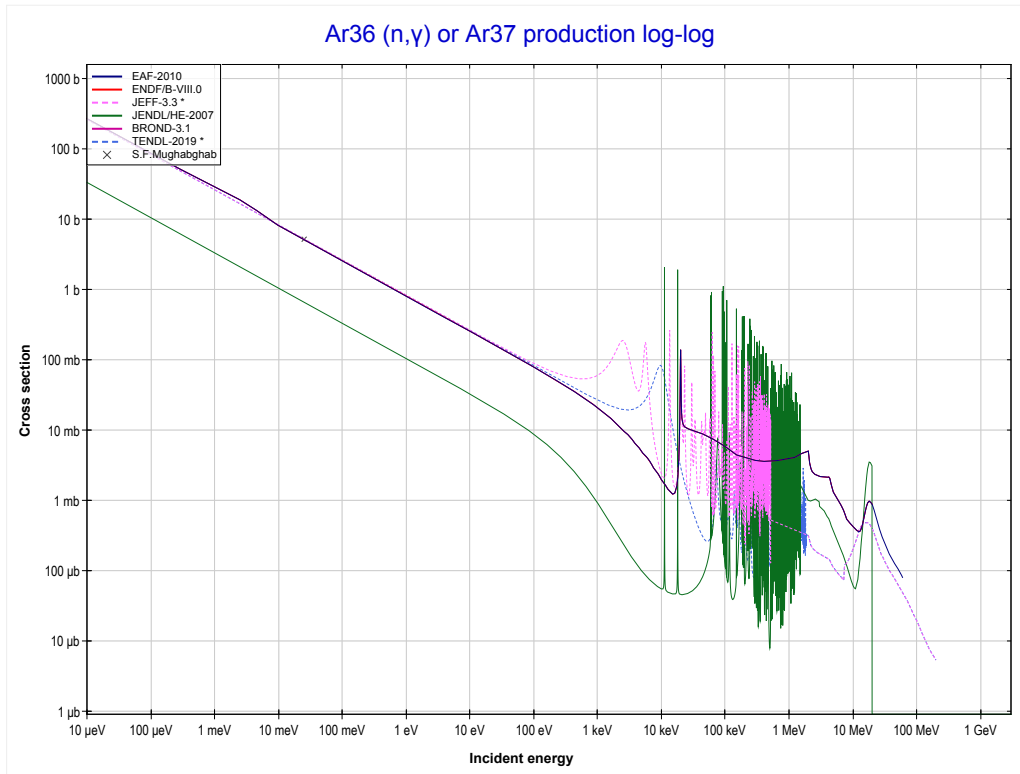
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 79.638 b | 79.638 b | 89.287 b | 1.12116 | 668.177 b | 2.86206 b | 1.81992 b |
| JEFF-3.3 | 228.812 b | 228.812 b | 257.5 b | 1.12539 | 2985.38 b | 9.8329 b | 1.99456 b |
| JENDL/HE-2007 | 1.31777 b | 1.31777 b | 1.4017 b | 1.06372 | 10.6936 b | 2.97462 b | 2.29042 b |
| BROND-3.1 | 79.638 b | 79.638 b | 89.287 b | 1.12116 | 668.177 b | 2.86206 b | 1.81992 b |
| TENDL-2019 | 79.8361 b | 79.8361 b | 89.416 b | 1.11999 | 1158.82 b | 177.808 b | 1.99462 b |

| | | |
|------------------|------------------------|-------------------------|
| << 17-CI-37 | 18-Ar-36 | 18-Ar-38 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



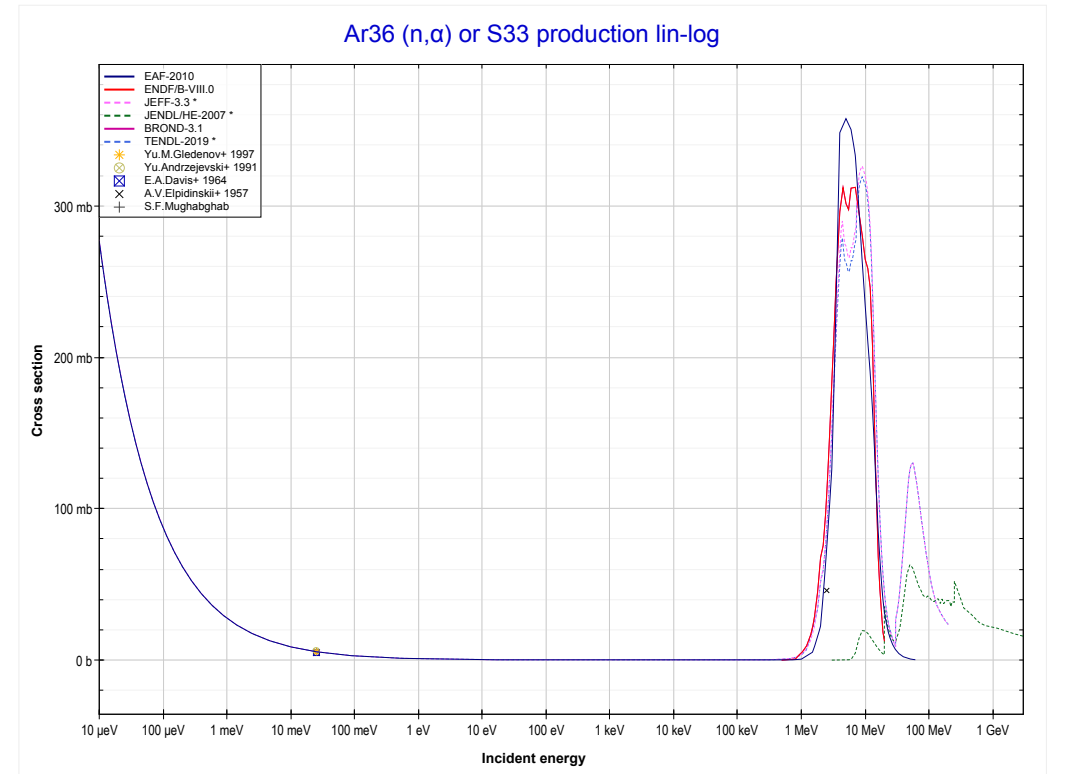
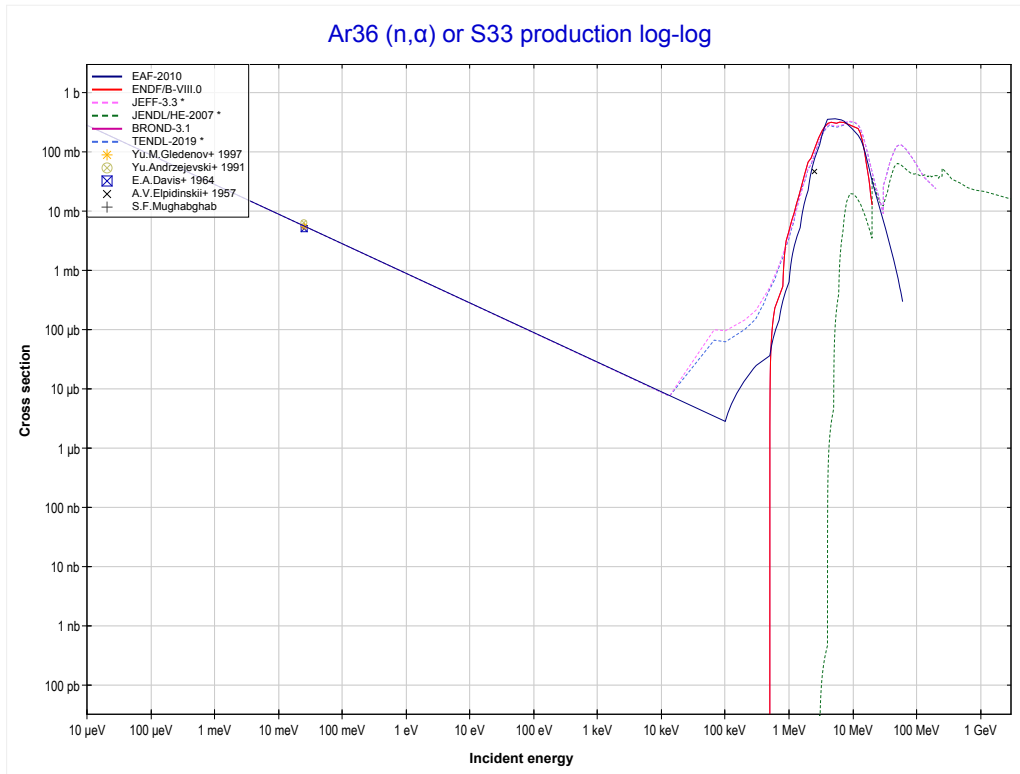
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 74.5932 b | 74.5932 b | 84.162 b | 1.12828 | 665.916 b | 2.5176 b | 0.788321 b |
| JEFF-3.3 | 223.608 b | 223.608 b | 252.3 b | 1.1283 | 2982.83 b | 9.473 b | 0.800027 b |
| JENDL/HE-2007 | 0.654123 b | 0.654123 b | 0.73807 b | 1.12834 | 10.4035 b | 2.55489 b | 0.78804 b |
| BROND-3.1 | 74.5932 b | 74.5932 b | 84.162 b | 1.12828 | 665.916 b | 2.5176 b | 0.788321 b |
| TENDL-2019 | 74.6363 b | 74.6363 b | 84.216 b | 1.12835 | 1156.36 b | 177.449 b | 0.80003 b |

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| << 17-CI-37 | 18-Ar-36 | 18-Ar-38 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ar37 production) | MT107 (n, α) >> |



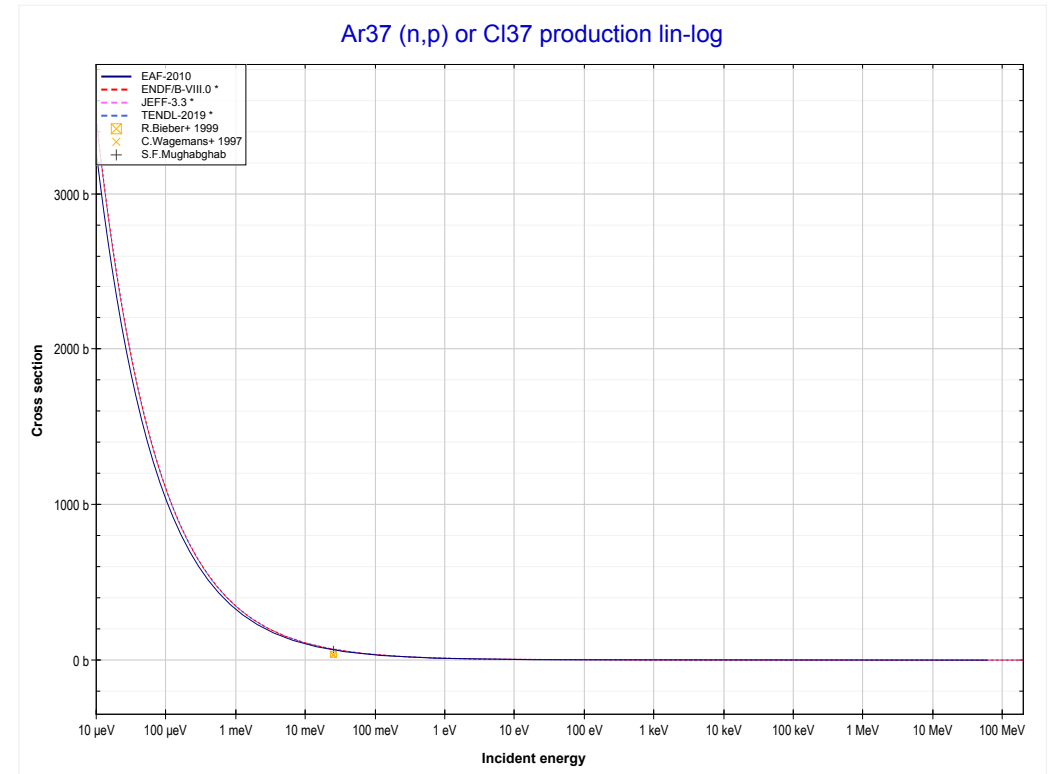
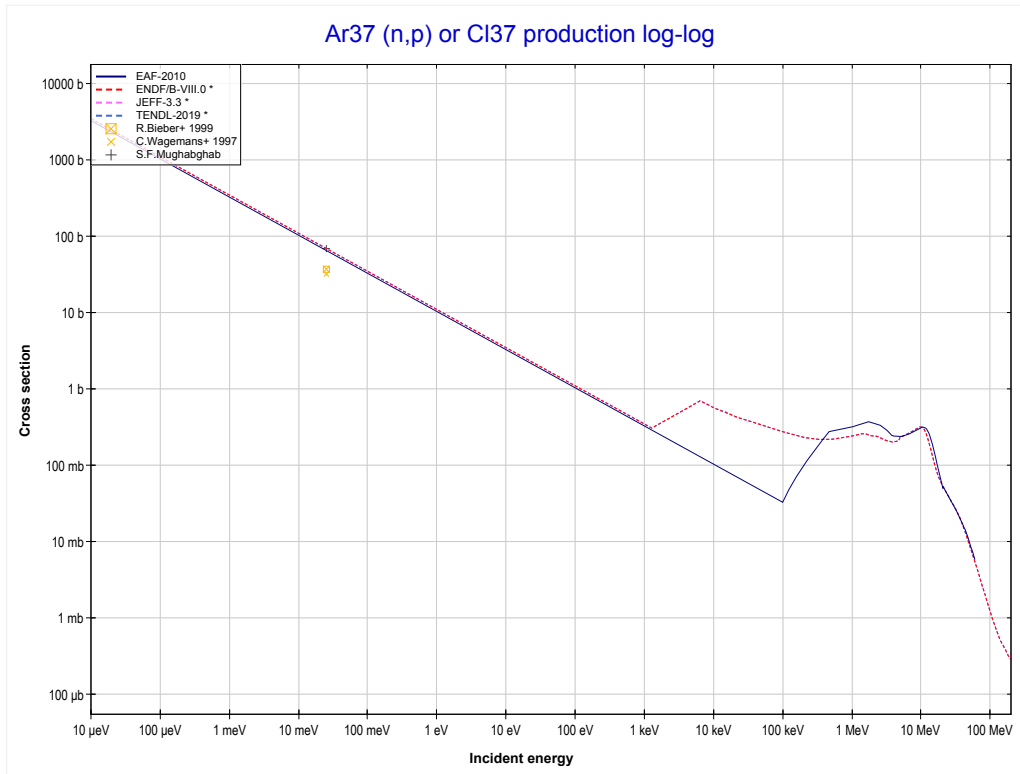
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.04636 b | 5.04276 b | 5.1218 b | 1.01571 | 2.25958 b | 0.00341684 b | 4.38002E-4 b |
| ENDF/B-VIII.0 | 5.04477 b | 5.04477 b | 5.1247 b | 1.01585 | 2.2612 b | 0.00341898 b | 4.38E-4 b |
| JEFF-3.3 | 5.19661 b | 5.19661 b | 5.1982 b | 1.00031 | 2.53883 b | 7.08265E-4 b | 4.40077E-4 b |
| JENDL/HE-2007 | 0.663631 b | 0.663631 b | 0.66366 b | 1.00004 | 0.289741 b | 0.00102047 b | 3.46447E-4 b |
| BROND-3.1 | 5.04477 b | 5.04477 b | 5.1247 b | 1.01585 | 2.2612 b | 0.00341898 b | 4.38E-4 b |
| TENDL-2019 | 5.19418 b | 5.19418 b | 5.1945 b | 1.00006 | 2.3732 b | 3.43251E-4 b | 4.40482E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 17-CI-37 | 18-Ar-36 | 18-Ar-37 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (S33 production) | 18-Ar-37 MT103 (n,p) >> |



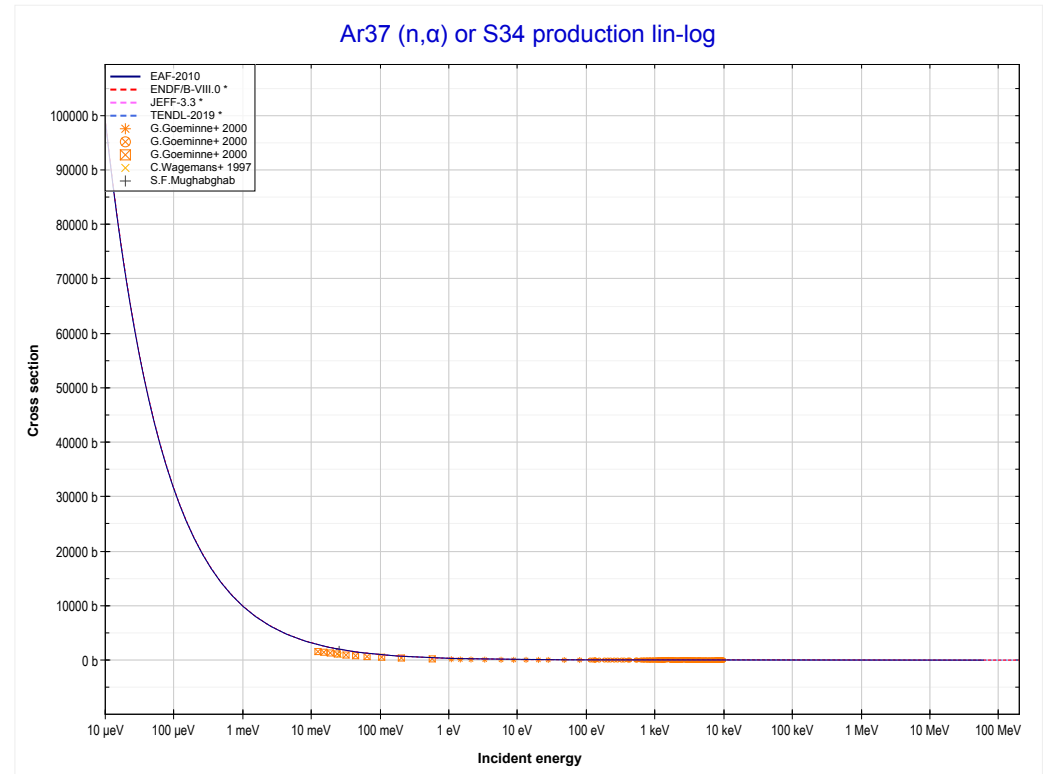
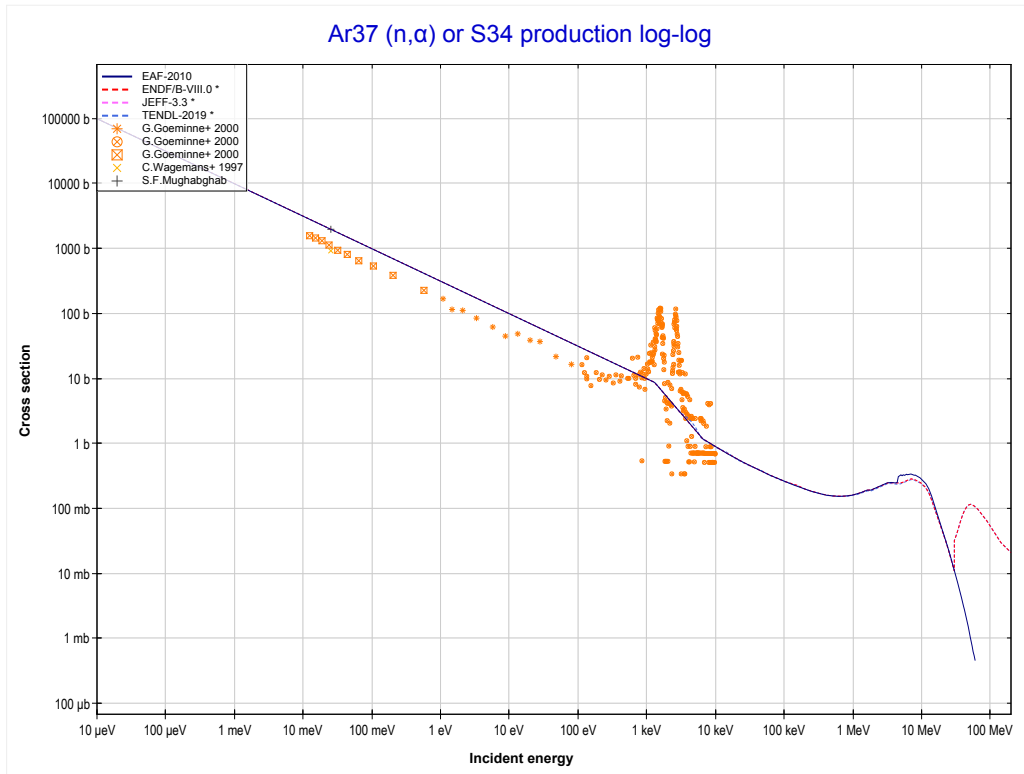
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0055 b | 0.00549588 b | 0.0054961 b | 1.00004 | 0.00246923 b | 0.0774046 b | 0.139257 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0864707 b | 0.15583 b |
| JEFF-3.3 | 0.00552896 b | 0.00552896 b | 0.0055256 b | 0.99939 | 0.00256856 b | 0.0757942 b | 0.200674 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.4571E-4 b | 0.0110846 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0864707 b | 0.15583 b |
| TENDL-2019 | 0.00550499 b | 0.00550499 b | 0.0055118 b | 1.00124 | 0.00254019 b | 0.0740319 b | 0.198897 b |

| | | |
|----------------------------------|---|-------------------------|
| << 17-CI-37 | 18-Ar-37 | 18-Ar-38 >> |
| << 18-Ar-36 MT107 (n, α) | MT103 (n,p) or MT5 (Cl37 production) | MT107 (n, α) >> |



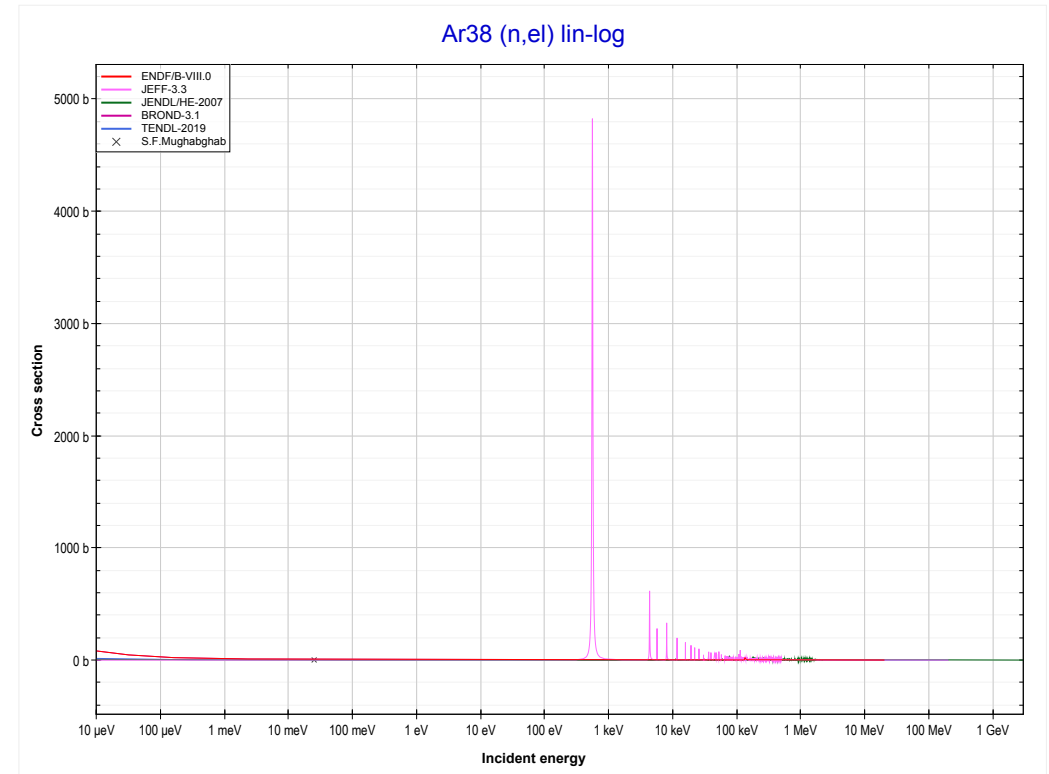
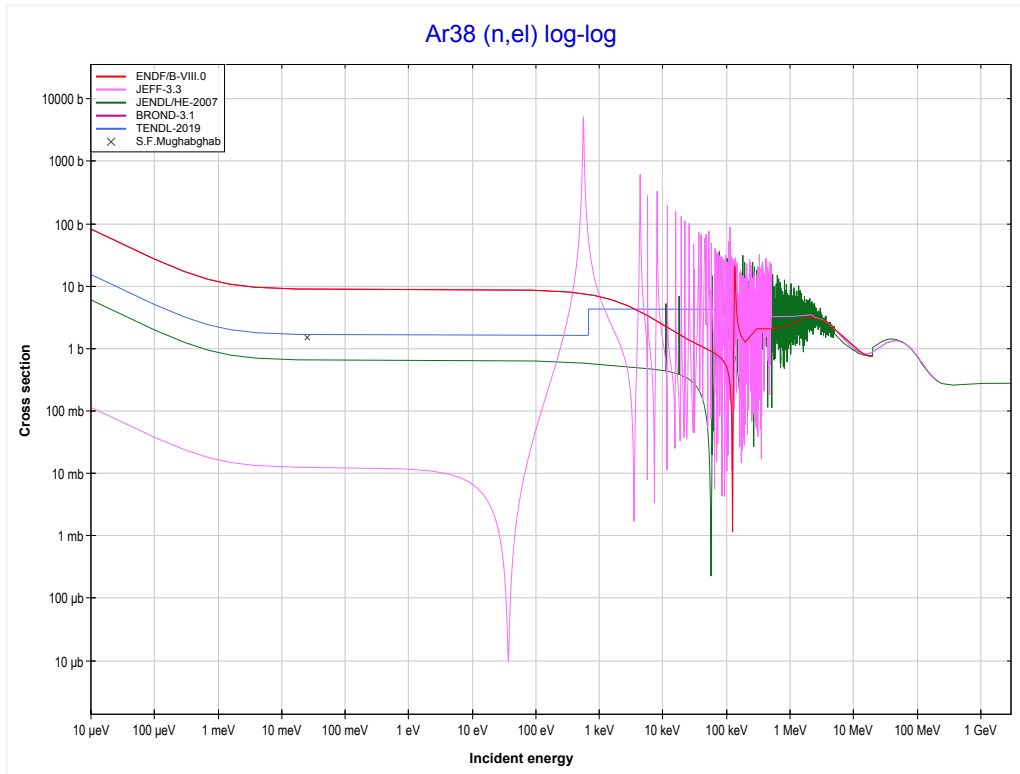
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 65 b | 64.9513 b | 64.956 b | 1.00007 | 29.1813 b | 0.292246 b | 0.215872 b |
| ENDF/B-VIII.0 | 69.2266 b | 69.2266 b | 69.249 b | 1.00032 | 32.5212 b | 0.2351 b | 0.154599 b |
| JEFF-3.3 | 69.2266 b | 69.2266 b | 69.249 b | 1.00032 | 32.5212 b | 0.2351 b | 0.154599 b |
| TENDL-2019 | 69.0472 b | 69.0472 b | 69.088 b | 1.00059 | 32.475 b | 0.236012 b | 0.154825 b |

| | | |
|----------------|--|-----------------------------|
| << 18-Ar-36 | 18-Ar-37 | 18-Ar-39 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (S34 production) | 18-Ar-38 MT2 (n,elastic) >> |



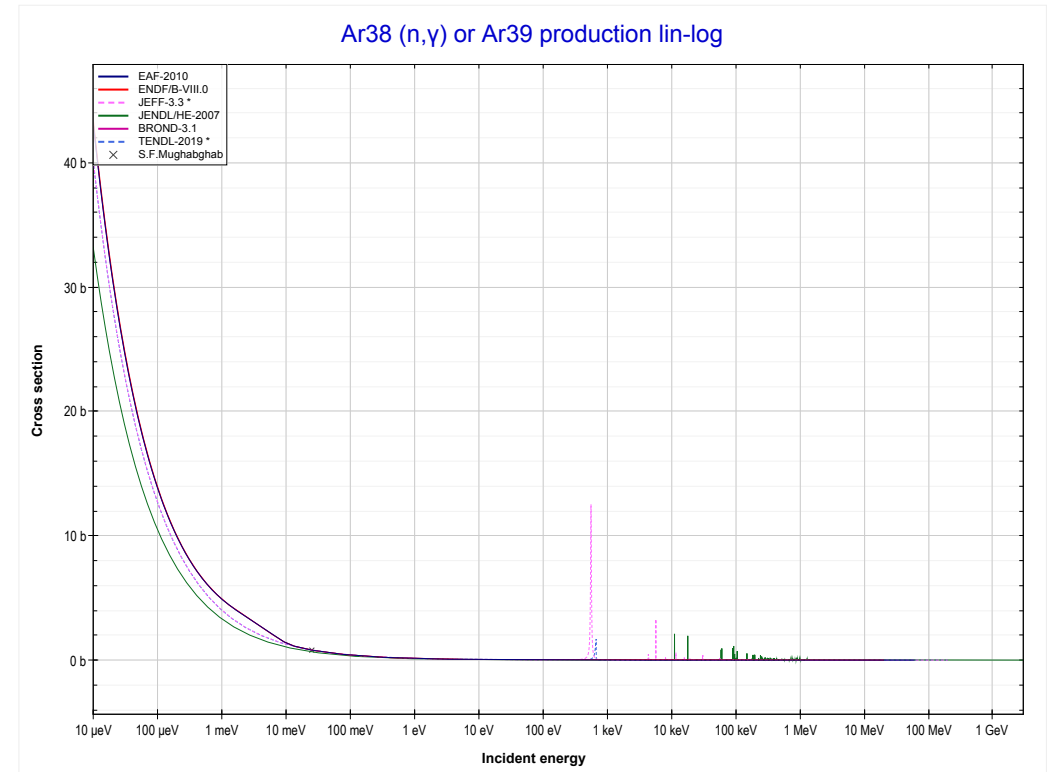
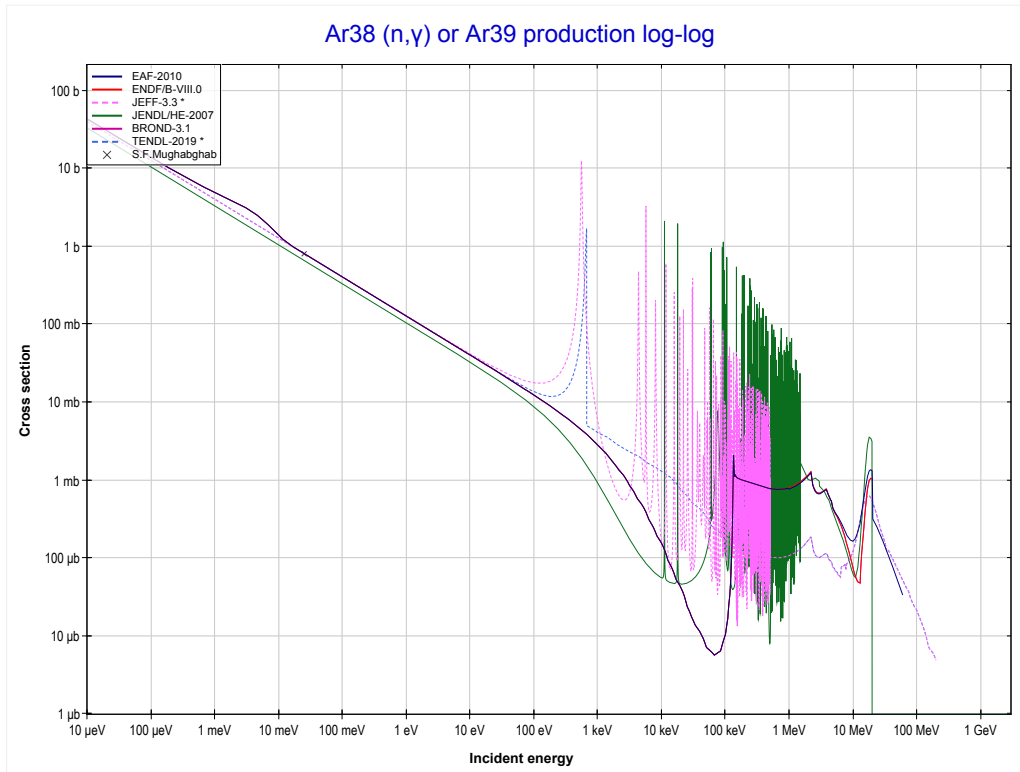
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1969.55 b | 1968.07 b | 1968.1 b | 1.00004 | 878.747 b | 0.206835 b | 0.154338 b |
| ENDF/B-VIII.0 | 1976.17 b | 1976.17 b | 1976.8 b | 1.00032 | 880.434 b | 0.201809 b | 0.134903 b |
| JEFF-3.3 | 1976.17 b | 1976.17 b | 1976.8 b | 1.00032 | 880.434 b | 0.201809 b | 0.134903 b |
| TENDL-2019 | 1971.04 b | 1971.04 b | 1972.2 b | 1.00059 | 878.891 b | 0.197071 b | 0.135068 b |

| | | |
|----------------------------------|------------------------|-------------------------|
| << 18-Ar-36 | 18-Ar-38 | 18-Ar-40 >> |
| << 18-Ar-37 MT107 (n, α) | MT2 (n,elastic) | MT102 (n, γ) >> |



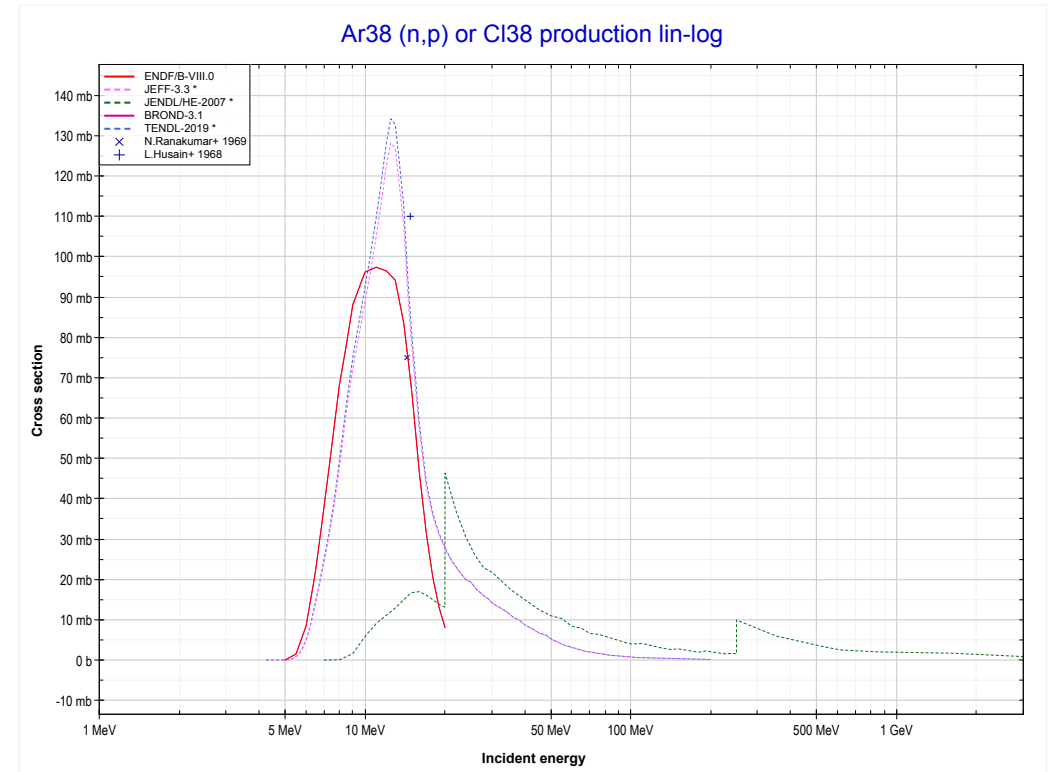
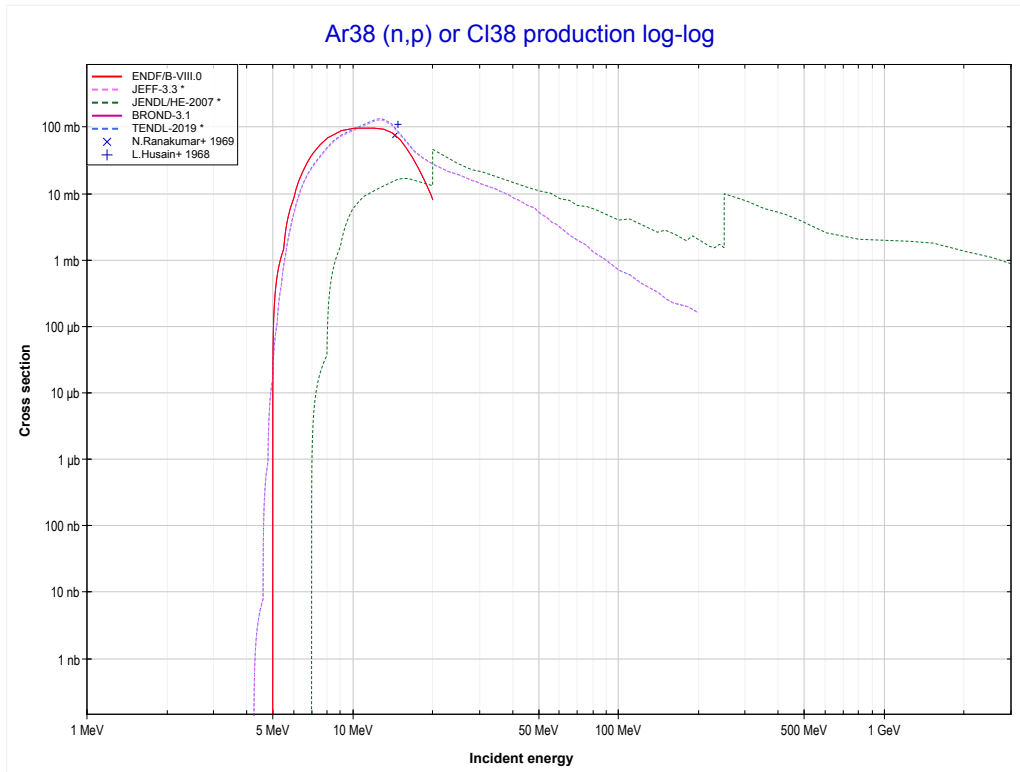
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.94058 b | 8.94058 b | 10.088 b | 1.12828 | 78.4512 b | 2.55307 b | 0.83213 b |
| JEFF-3.3 | 0.0124635 b | 0.0124635 b | 0.014044 b | 1.12685 | 318.595 b | 3.48446 b | 0.820896 b |
| JENDL/HE-2007 | 0.655608 b | 0.655608 b | 0.73975 b | 1.12835 | 10.4062 b | 2.552 b | 0.78804 b |
| BROND-3.1 | 8.94058 b | 8.94058 b | 10.088 b | 1.12828 | 78.4484 b | 2.55217 b | 0.83213 b |
| TENDL-2019 | 1.67449 b | 1.67449 b | 1.8894 b | 1.12835 | 33.2691 b | 3.11281 b | 0.820909 b |

| | | |
|--------------------|---|----------------|
| << 18-Ar-36 | 18-Ar-38 | 18-Ar-39 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ar39 production) | MT103 (n,p) >> |



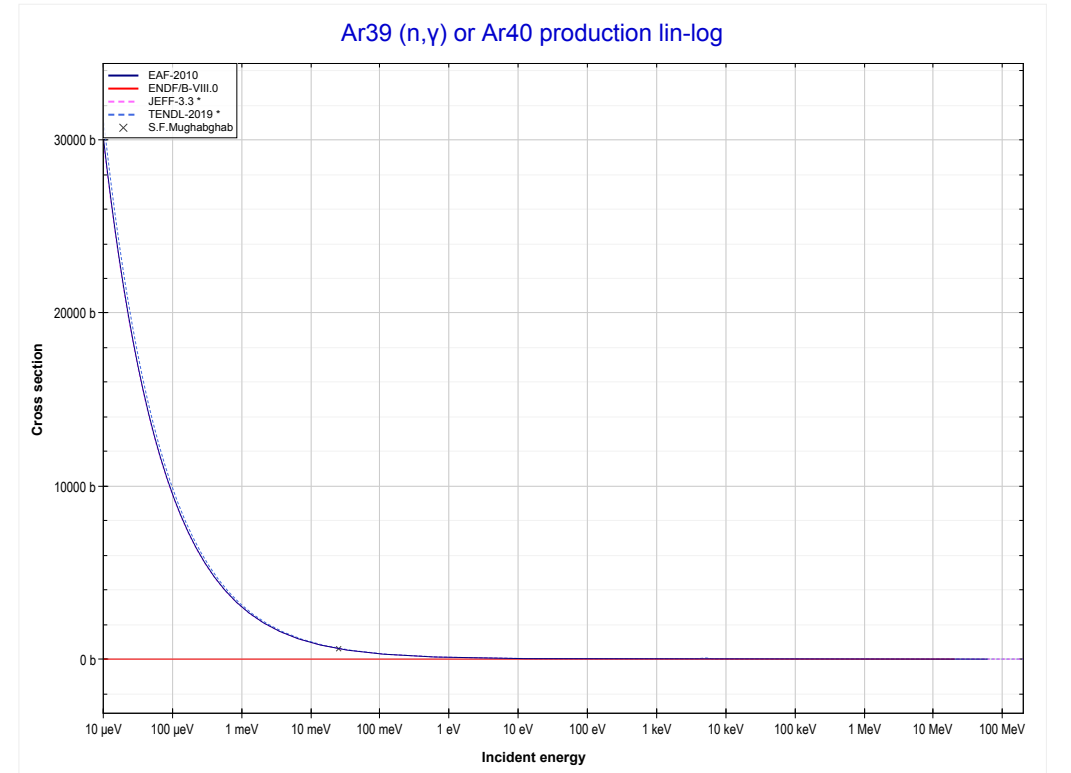
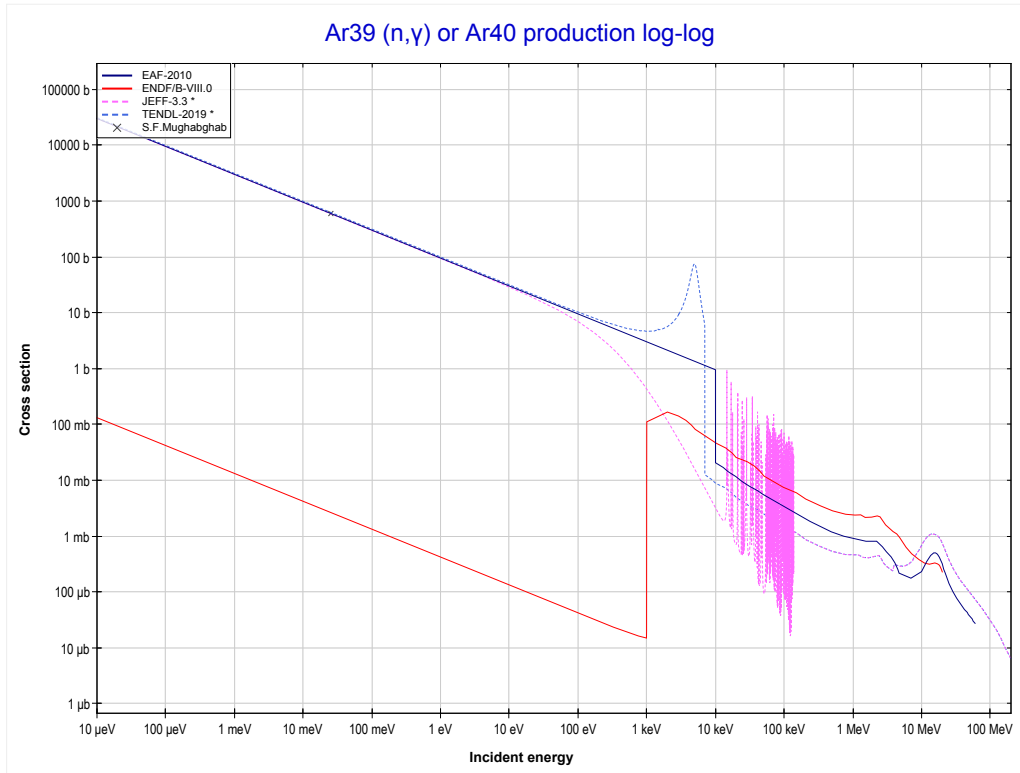
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.802391 b | 0.801763 b | 0.834 b | 1.04017 | 0.352827 b | 7.76017E-4 b | 4.23461E-4 b |
| ENDF/B-VIII.0 | 0.802941 b | 0.802941 b | 0.83556 b | 1.04062 | 0.353869 b | 7.90206E-4 b | 1.363E-4 b |
| JEFF-3.3 | 0.799598 b | 0.799598 b | 0.7999 b | 1.00038 | 1.12628 b | 1.79986E-4 b | 4.05378E-4 b |
| JENDL/HE-2007 | 0.659988 b | 0.659988 b | 0.66001 b | 1.00004 | 0.28815 b | 0.00101742 b | 3.46447E-4 b |
| BROND-3.1 | 0.801918 b | 0.801918 b | 0.83447 b | 1.0406 | 0.353854 b | 7.90209E-4 b | 1.363E-4 b |
| TENDL-2019 | 0.798387 b | 0.798387 b | 0.79844 b | 1.00006 | 0.468377 b | 1.20631E-4 b | 4.06014E-4 b |

| | | |
|-------------------------|---|----------------------------------|
| << 18-Ar-37 | 18-Ar-38 | 18-Ar-40 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cl38 production) | 18-Ar-39 MT102 (n, γ) >> |



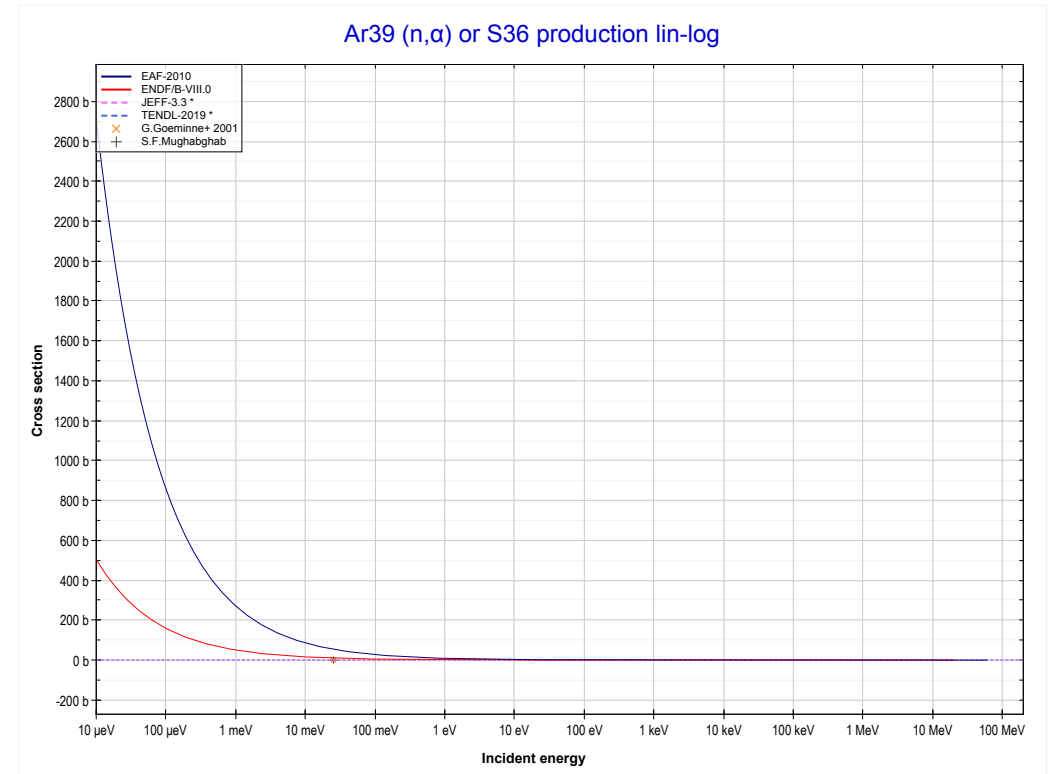
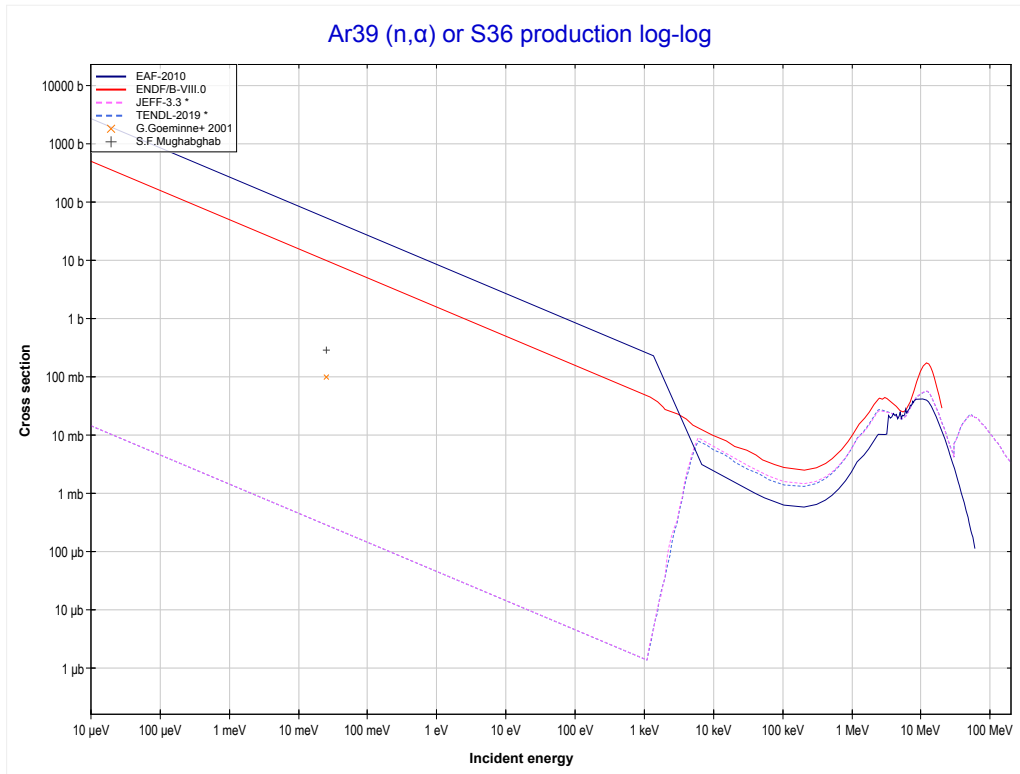
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145337 b | 0.08341 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00108614 b | 0.107462 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86699E-5 b | 0.0149866 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145337 b | 0.08341 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00112506 b | 0.112381 b |

| | | |
|-------------------------|---|-------------------------|
| << 18-Ar-38 | 18-Ar-39 | 18-Ar-40 >> |
| << 18-Ar-38 MT103 (n,p) | MT102 (n,γ) or MT5 (Ar40 production) | MT107 (n, α) >> |



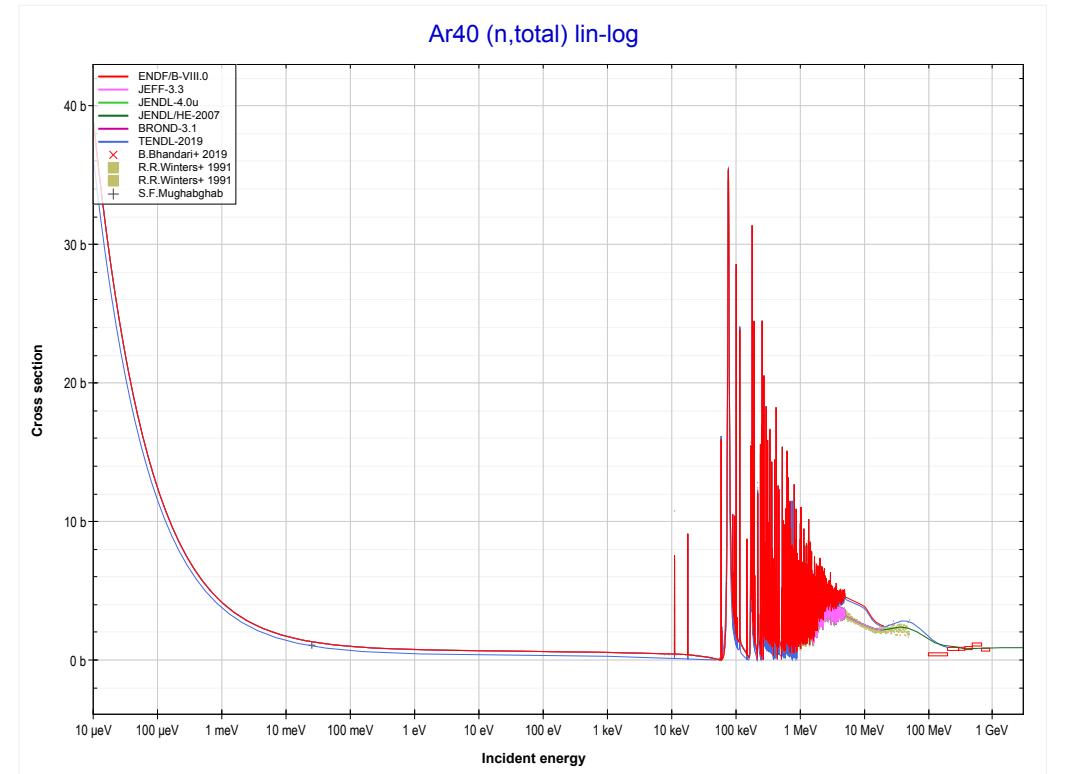
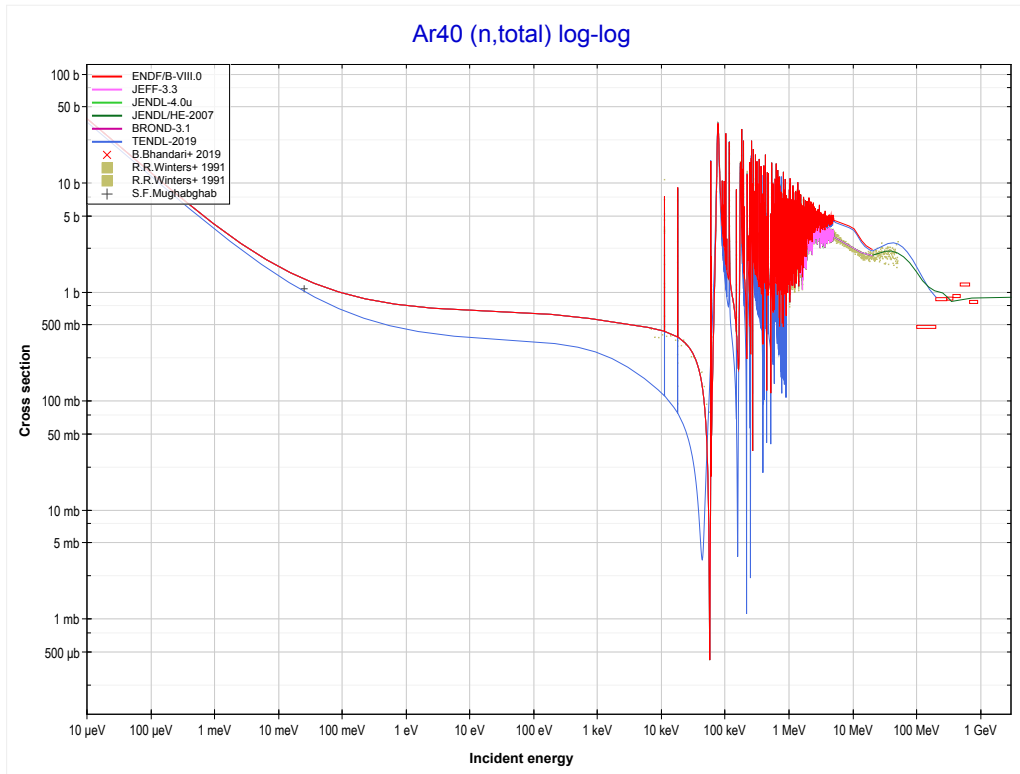
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 600 b | 599.55 b | 599.63 b | 1.00013 | 268.36 b | 0.00153503 b | 4.75E-4 b |
| ENDF/B-VIII.0 | 0.00263707 b | 0.00263707 b | 0.0026378 b | 1.00028 | 0.310948 b | 0.00243994 b | 3.23069E-4 b |
| JEFF-3.3 | 595.517 b | 595.517 b | 595.67 b | 1.00026 | 250.771 b | 4.90385E-4 b | 0.00109781 b |
| TENDL-2019 | 622.127 b | 622.127 b | 622.16 b | 1.00006 | 308.782 b | 0.00719568 b | 0.00109814 b |

| | | |
|-------------------------|--|---------------------------|
| << 18-Ar-37 | 18-Ar-39 | 18-Ar-40 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (S36 production) | 18-Ar-40 MT1 (n,total) >> |



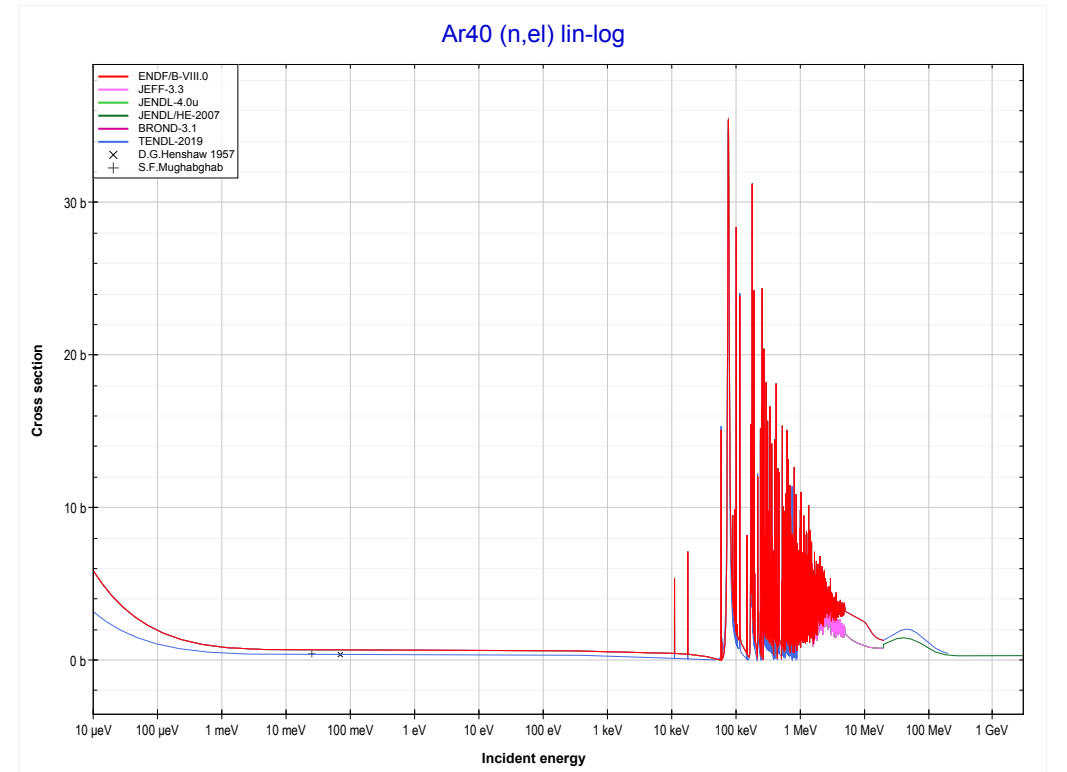
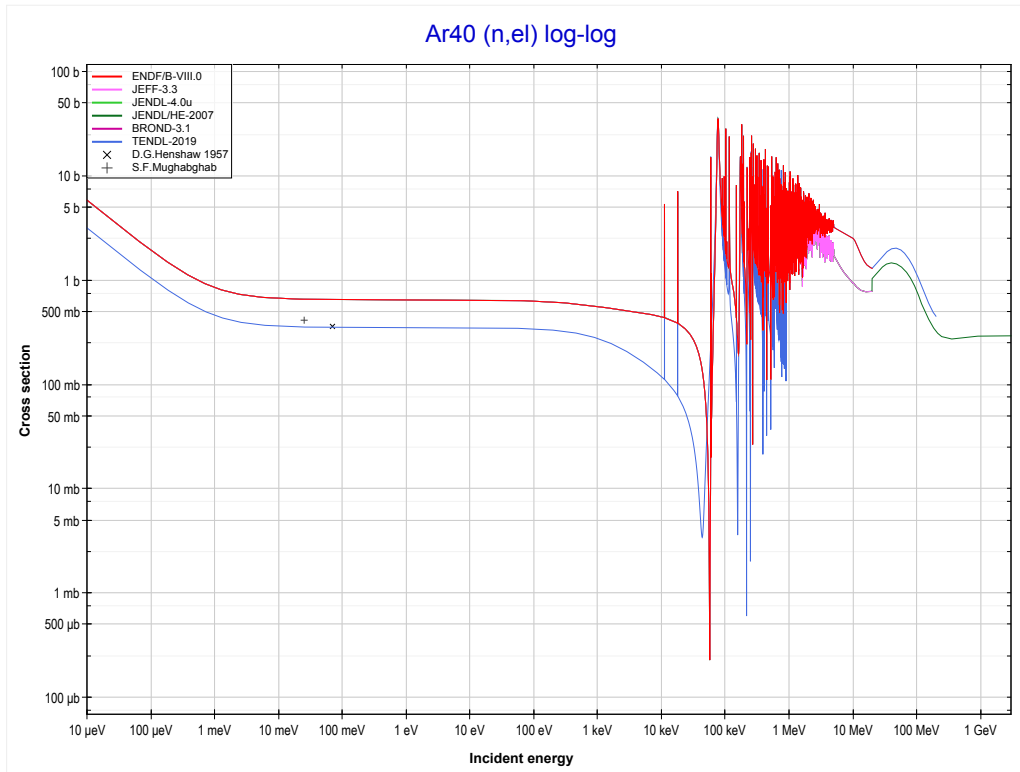
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 53.9509 b | 53.9104 b | 53.912 b | 1.00004 | 23.9602 b | 0.00807351 b | 0.0320989 b |
| ENDF/B-VIII.0 | 10.0064 b | 10.0064 b | 10.01 b | 1.00035 | 4.47958 b | 0.0224376 b | 0.143446 b |
| JEFF-3.3 | 2.90929E-4 b | 2.90929E-4 b | 2.9102E-4 b | 1.00033 | 0.0142478 b | 0.0138931 b | 0.0470744 b |
| TENDL-2019 | 2.90375E-4 b | 2.90375E-4 b | 2.9041E-4 b | 1.00011 | 0.012637 b | 0.0141971 b | 0.0468459 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 18-Ar-36 | 18-Ar-40 | 19-K-Nat >> |
| << 18-Ar-39 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



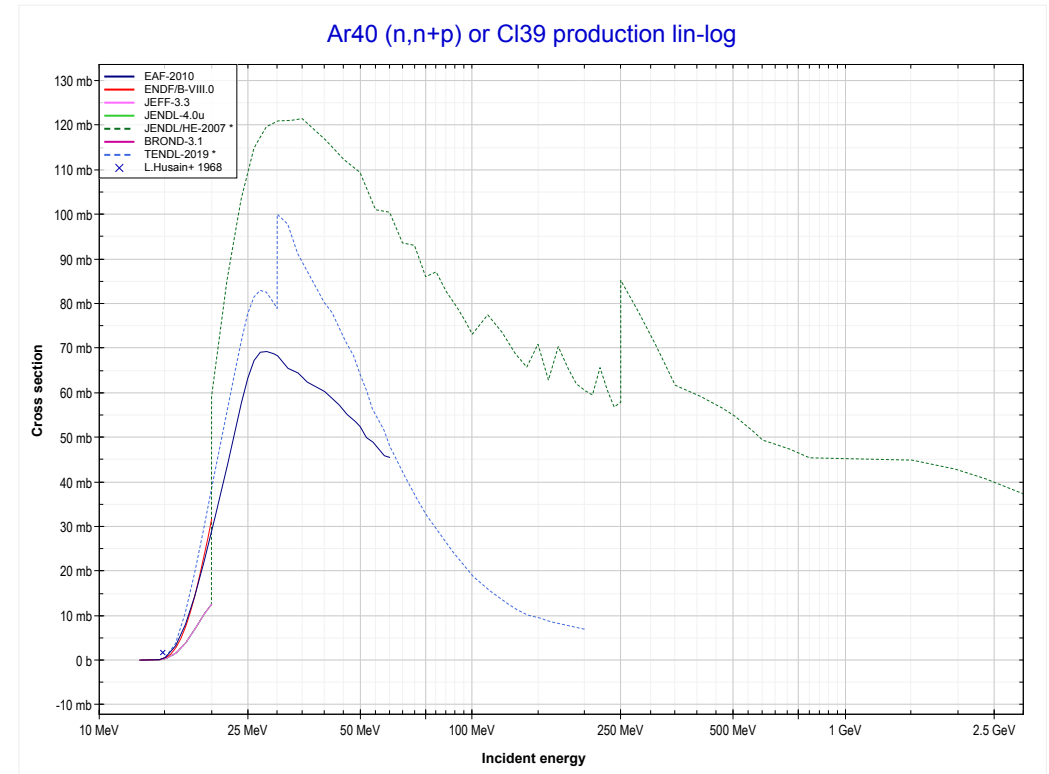
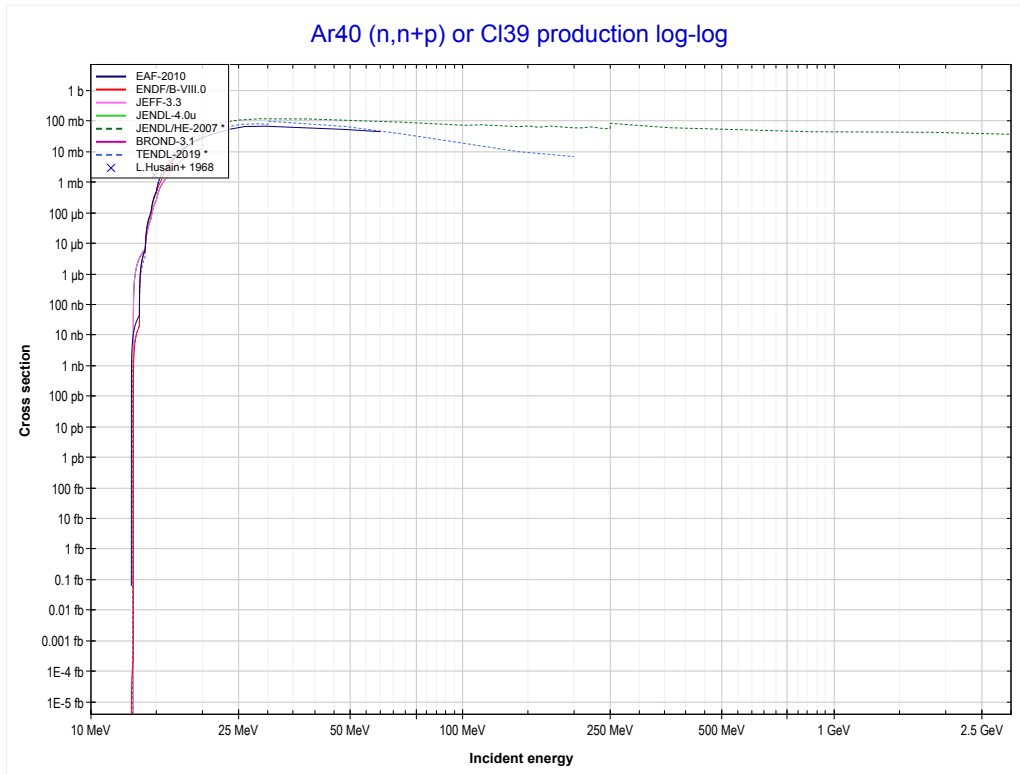
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.31539 b | 1.31539 b | 1.3997 b | 1.06406 | 10.6918 b | 3.41517 b | 2.92044 b |
| JEFF-3.3 | 1.31539 b | 1.31539 b | 1.3997 b | 1.06406 | 10.6918 b | 2.97143 b | 2.29042 b |
| JENDL-4.0u | 1.31539 b | 1.31539 b | 1.3997 b | 1.06406 | 10.6918 b | 2.97143 b | 2.29042 b |
| JENDL/HE-2007 | 1.31518 b | 1.31518 b | 1.3993 b | 1.06396 | 10.6947 b | 2.9717 b | 2.29042 b |
| BROND-3.1 | 1.31539 b | 1.31539 b | 1.3997 b | 1.06406 | 10.6918 b | 2.97143 b | 2.29042 b |
| TENDL-2019 | 1.01505 b | 1.01505 b | 1.0606 b | 1.04491 | 7.16132 b | 3.22957 b | 2.79814 b |

| | | |
|------------------|------------------------|-----------------|
| << 18-Ar-38 | 18-Ar-40 | 19-K-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



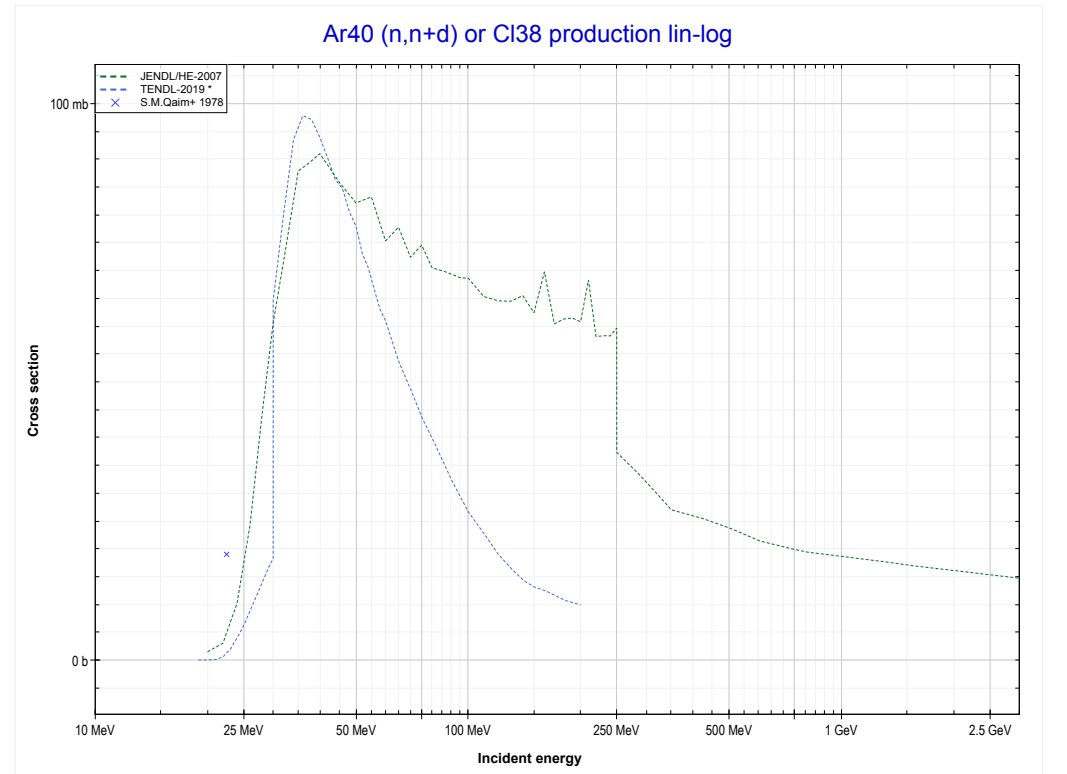
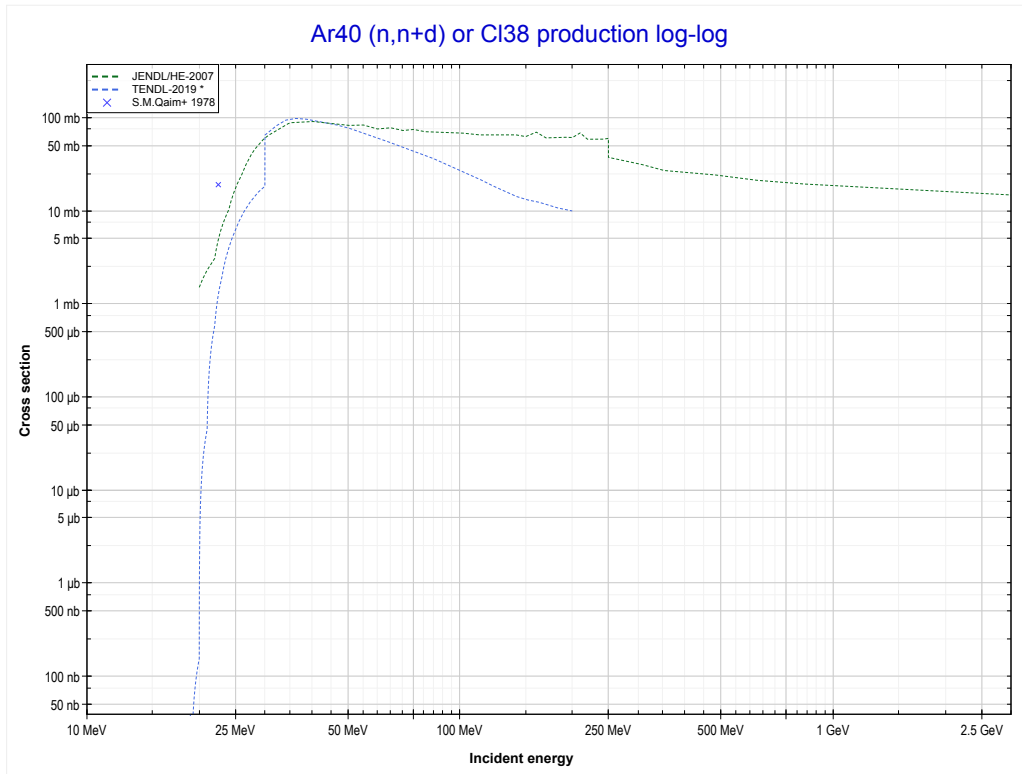
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.655178 b | 0.655178 b | 0.73923 b | 1.1283 | 10.4031 b | 2.97036 b | 1.64671 b |
| JEFF-3.3 | 0.655178 b | 0.655178 b | 0.73923 b | 1.1283 | 10.4031 b | 2.55193 b | 0.78804 b |
| JENDL-4.0u | 0.655178 b | 0.655178 b | 0.73923 b | 1.1283 | 10.4031 b | 2.55193 b | 0.78804 b |
| JENDL/HE-2007 | 0.655178 b | 0.655178 b | 0.73927 b | 1.12836 | 10.4059 b | 2.552 b | 0.78804 b |
| BROND-3.1 | 0.655178 b | 0.655178 b | 0.73923 b | 1.1283 | 10.4031 b | 2.55193 b | 0.78804 b |
| TENDL-2019 | 0.354896 b | 0.354896 b | 0.40045 b | 1.12836 | 6.8657 b | 2.86588 b | 1.64671 b |

| | | |
|--------------------|--|-----------------|
| << 15-P-31 | 18-Ar-40 | 19-K-39 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Cl39 production) | MT32 (n,n+d) >> |



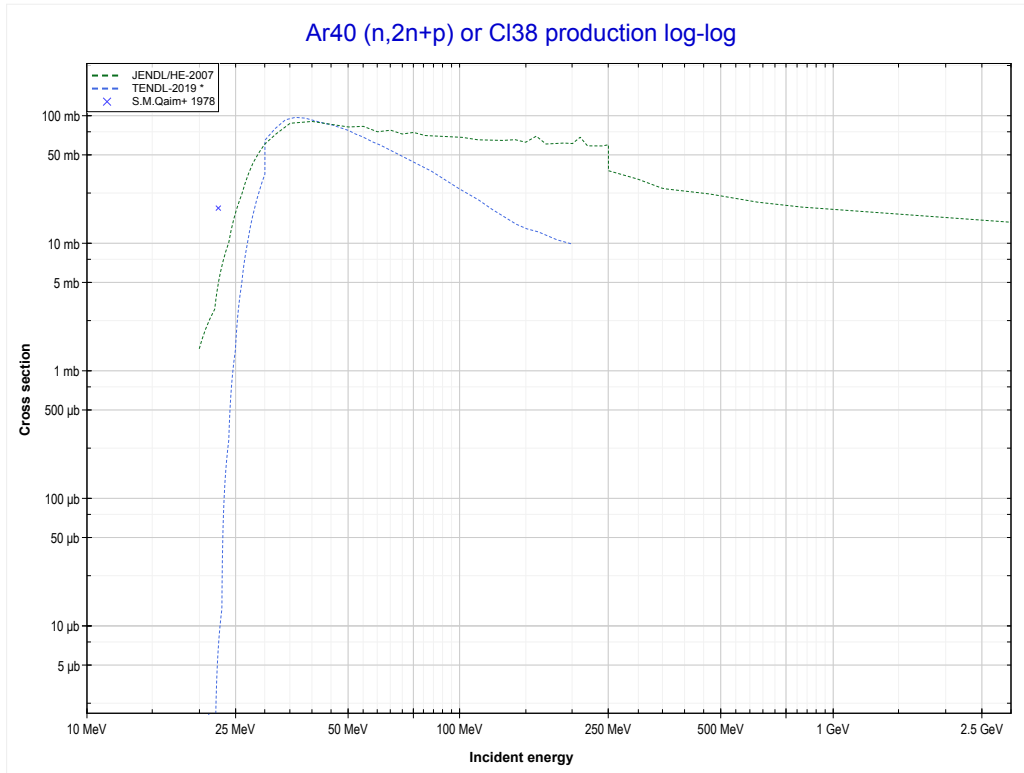
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92401E-7 b | 5.9539E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49114E-7 b | 6.63607E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.49114E-7 b | 6.63607E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49112E-7 b | 6.63607E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49114E-7 b | 6.63607E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.08585E-7 b | 3.82382E-6 b |

| | | |
|-----------------|--|------------------|
| << 12-Mg-24 | 18-Ar-40 | 20-Ca-40 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Cl38 production) | MT41 (n,2n+p) >> |



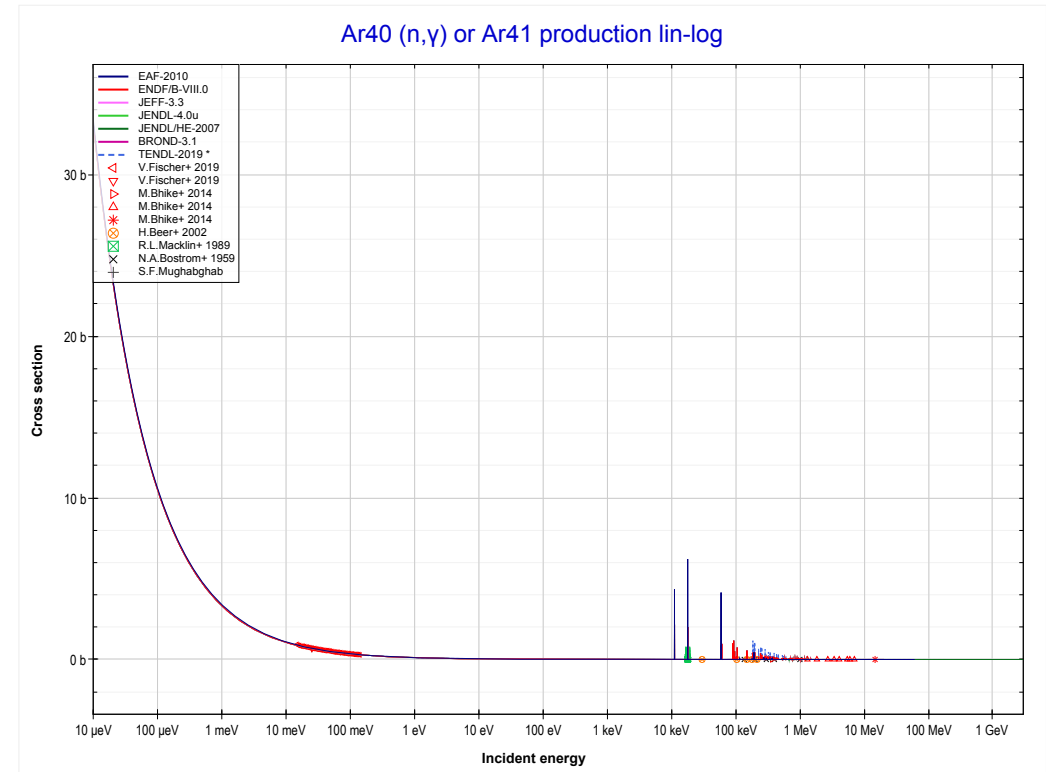
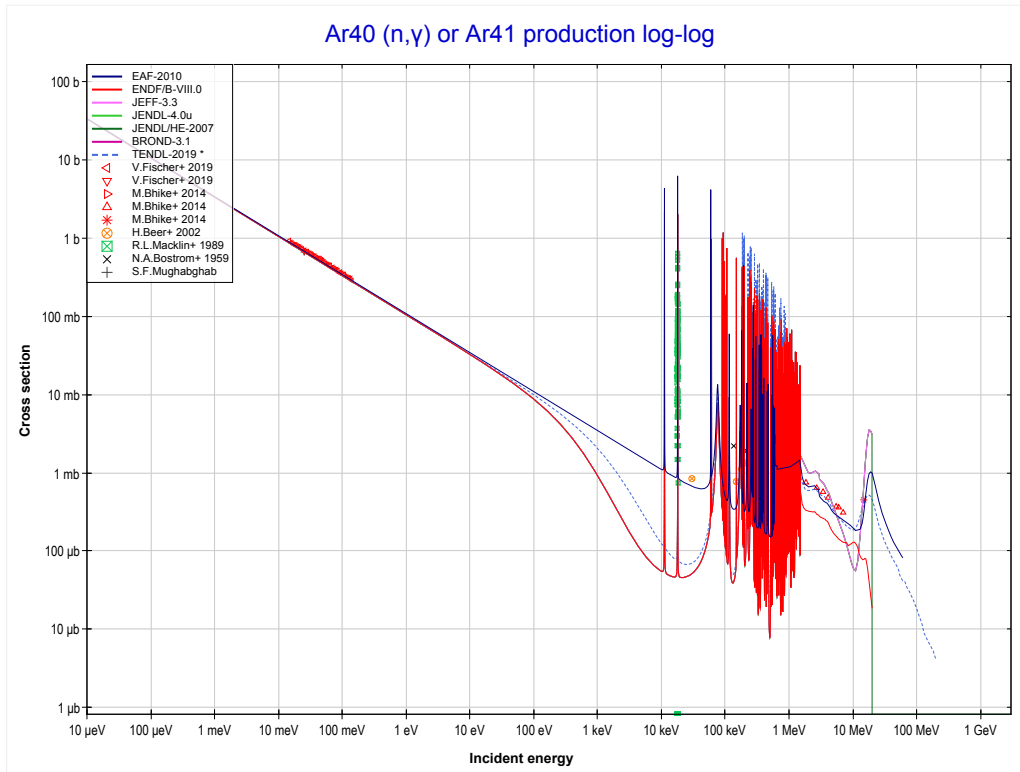
| Reaction | Q-Value |
|------------------|---------------|
| Ar40(n,t)Cl38 | -12120.29 keV |
| Ar40(n,n+d)Cl38 | -18377.52 keV |
| Ar40(n,2n+p)Cl38 | -20602.08 keV |

| | | |
|-----------------|---|-------------------------|
| << 12-Mg-24 | 18-Ar-40 | 20-Ca-40 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Cl38 production) | MT102 (n, γ) >> |



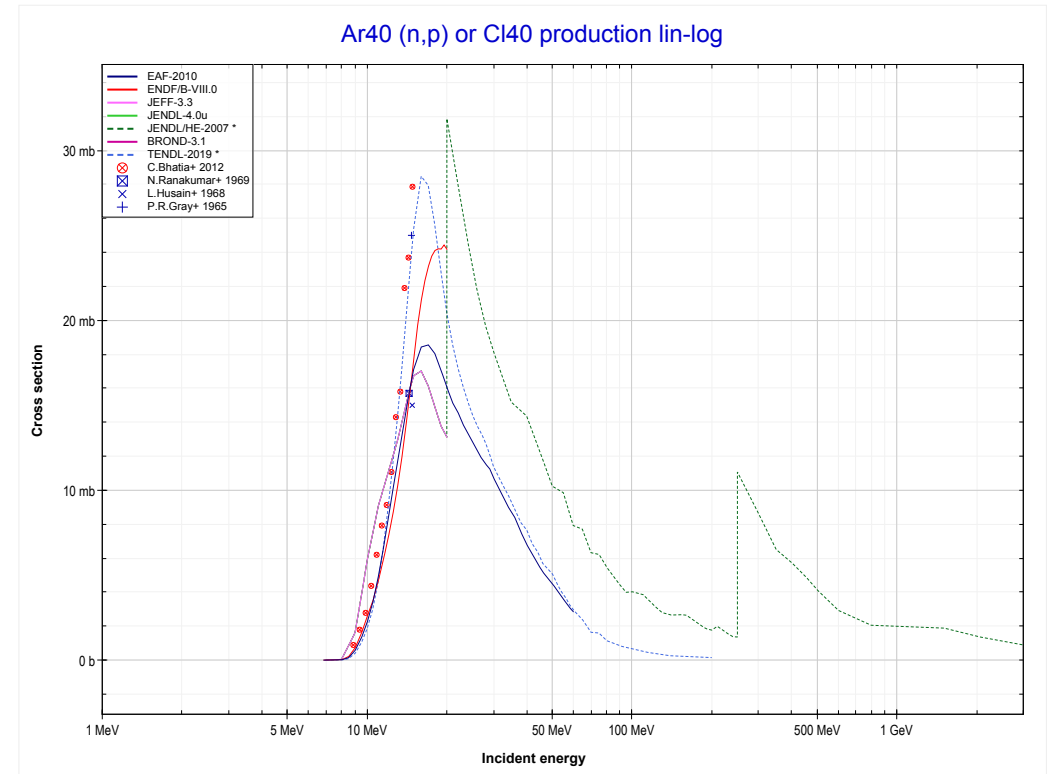
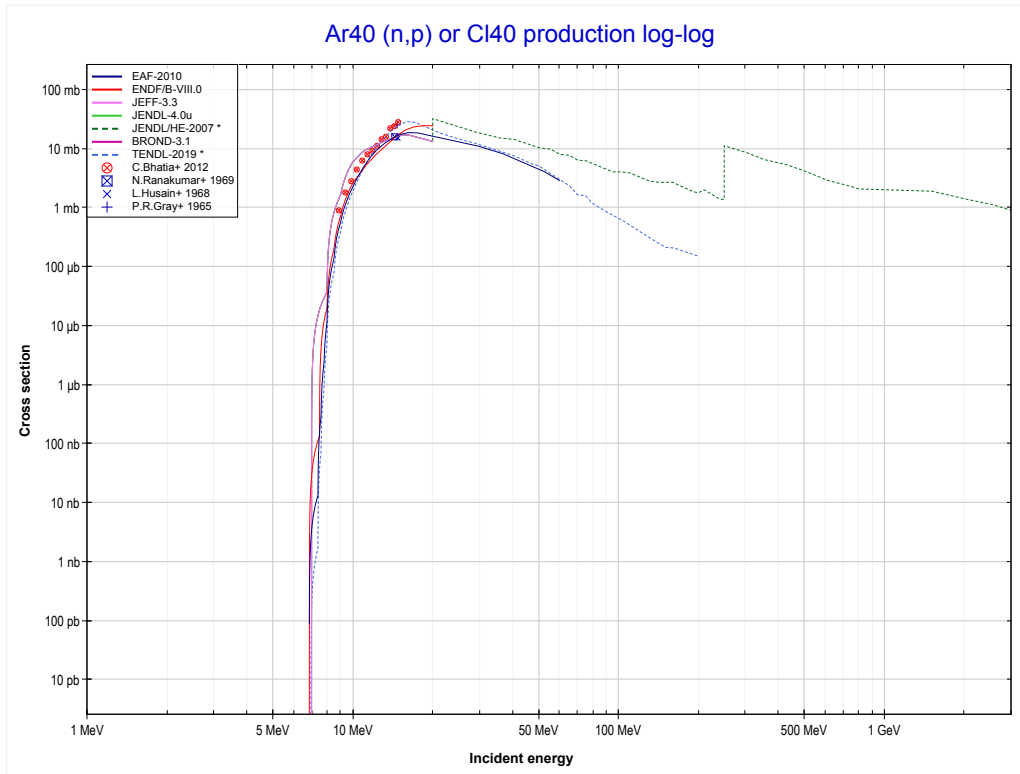
| Reaction | Q-Value |
|------------------|---------------|
| Ar40(n,t)Cl38 | -12120.29 keV |
| Ar40(n,n+d)Cl38 | -18377.52 keV |
| Ar40(n,2n+p)Cl38 | -20602.08 keV |

| | | |
|------------------|---|----------------|
| << 18-Ar-39 | 18-Ar-40 | 18-Ar-41 >> |
| << MT41 (n,2n+p) | MT102 (n,y) or MT5 (Ar41 production) | MT103 (n,p) >> |



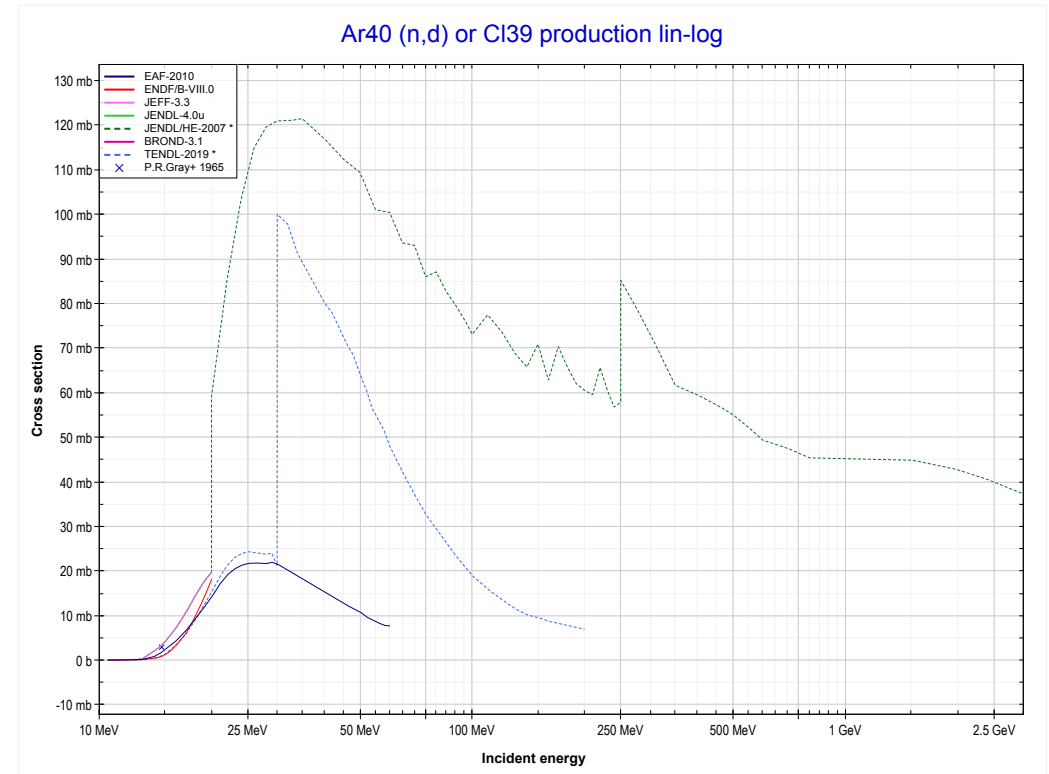
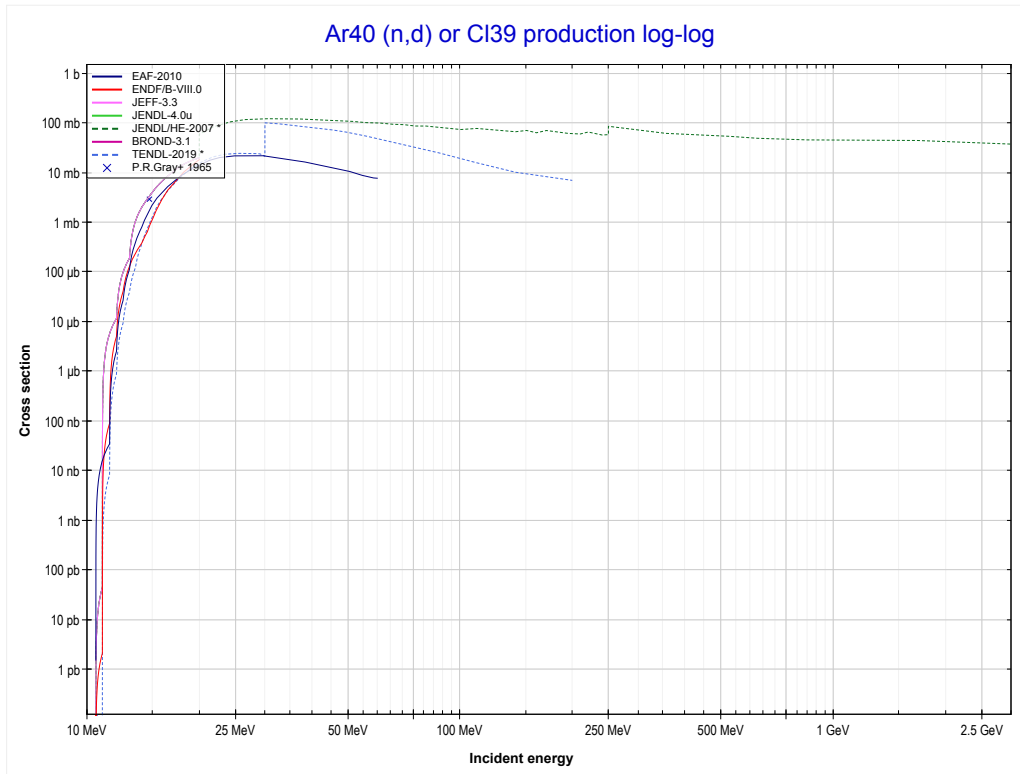
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.680695 b | 0.680185 b | 0.68144 b | 1.00185 | 0.318686 b | 9.12578E-4 b | 2.27003E-4 b |
| ENDF/B-VIII.0 | 0.660209 b | 0.660209 b | 0.66042 b | 1.00032 | 0.2887 b | 7.03923E-4 b | 7.79628E-5 b |
| JEFF-3.3 | 0.660209 b | 0.660209 b | 0.66042 b | 1.00032 | 0.2887 b | 0.00101759 b | 3.46447E-4 b |
| JENDL-4.0u | 0.660209 b | 0.660209 b | 0.66042 b | 1.00032 | 0.2887 b | 0.00101759 b | 3.46447E-4 b |
| JENDL/HE-2007 | 0.659991 b | 0.659991 b | 0.66001 b | 1.00004 | 0.28815 b | 0.00101742 b | 3.46447E-4 b |
| BROND-3.1 | 0.660209 b | 0.660209 b | 0.66042 b | 1.00032 | 0.2887 b | 0.00101759 b | 3.46447E-4 b |
| TENDL-2019 | 0.660142 b | 0.660142 b | 0.66018 b | 1.00005 | 0.29522 b | 0.00126247 b | 3.64291E-4 b |

| | | |
|-------------------------|---|----------------|
| << 18-Ar-38 | 18-Ar-40 | 19-K-39 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cl40 production) | MT104 (n,d) >> |



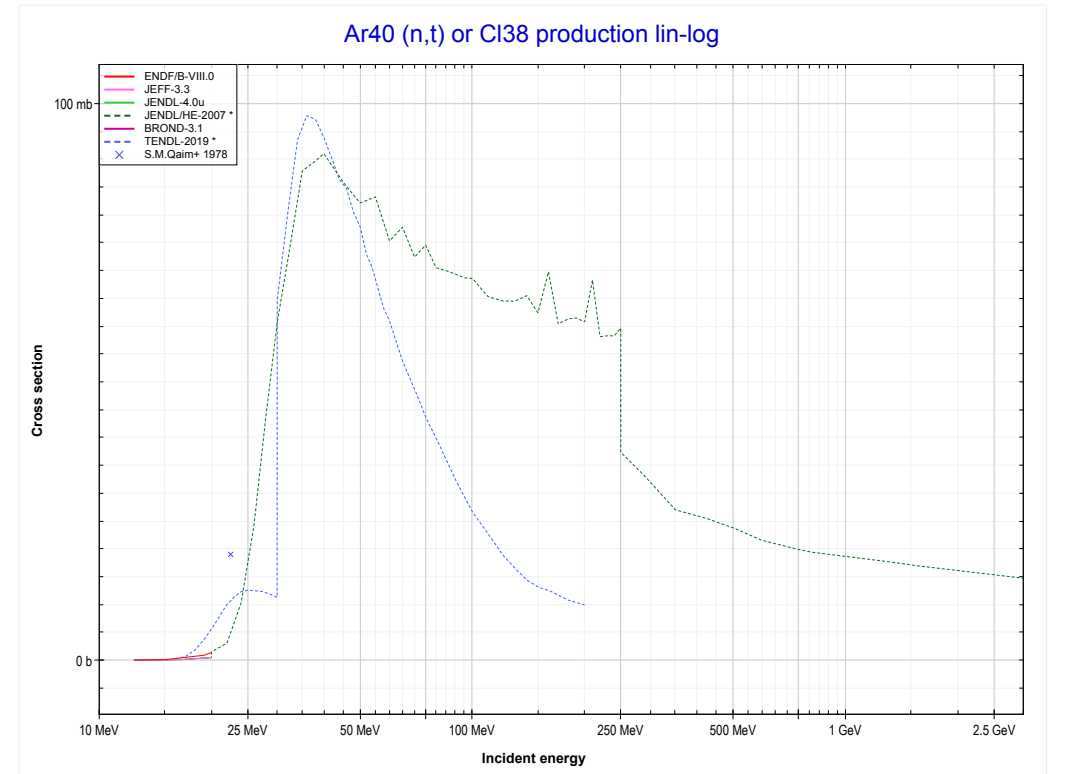
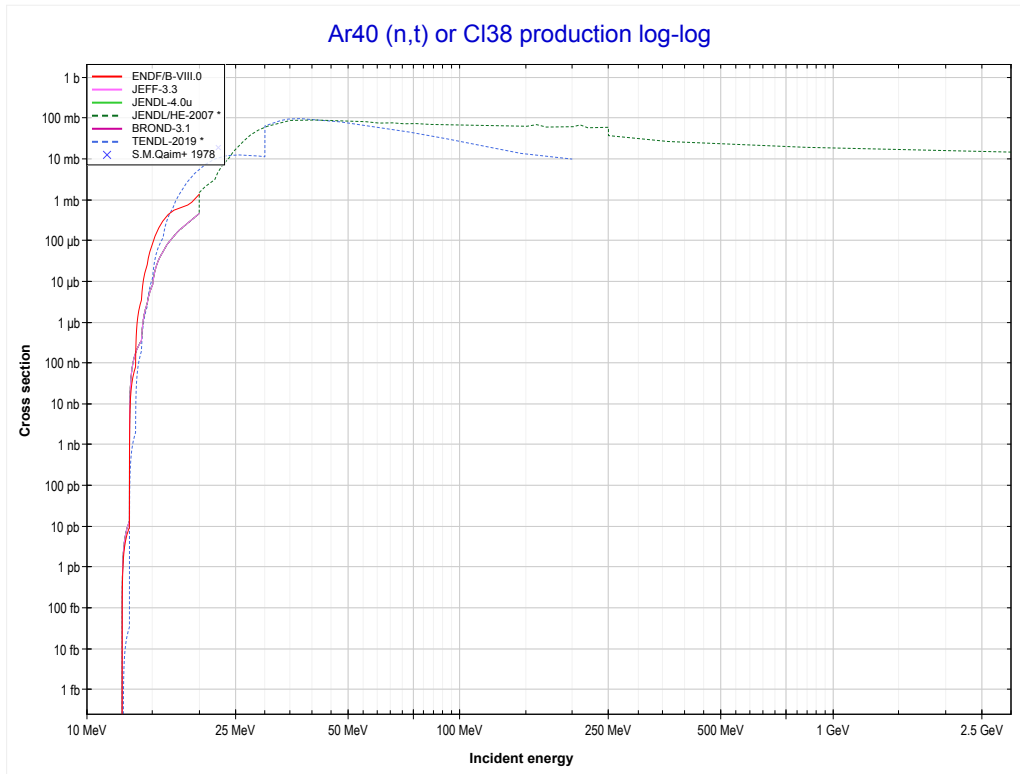
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56055E-5 b | 0.0146014 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58148E-5 b | 0.0137315 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86701E-5 b | 0.0149866 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.86701E-5 b | 0.0149866 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86699E-5 b | 0.0149866 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86701E-5 b | 0.0149866 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.62479E-5 b | 0.0199816 b |

| | | |
|----------------|---|----------------|
| << 14-Si-30 | 18-Ar-40 | 20-Ca-43 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Cl39 production) | MT105 (n,t) >> |



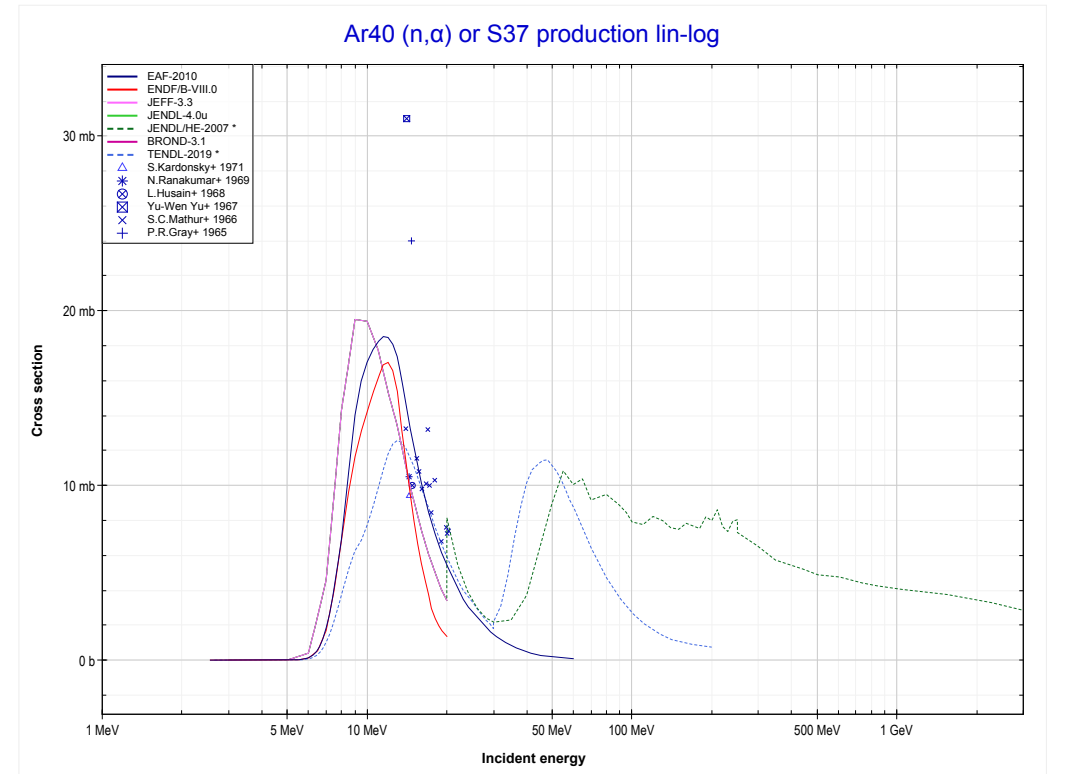
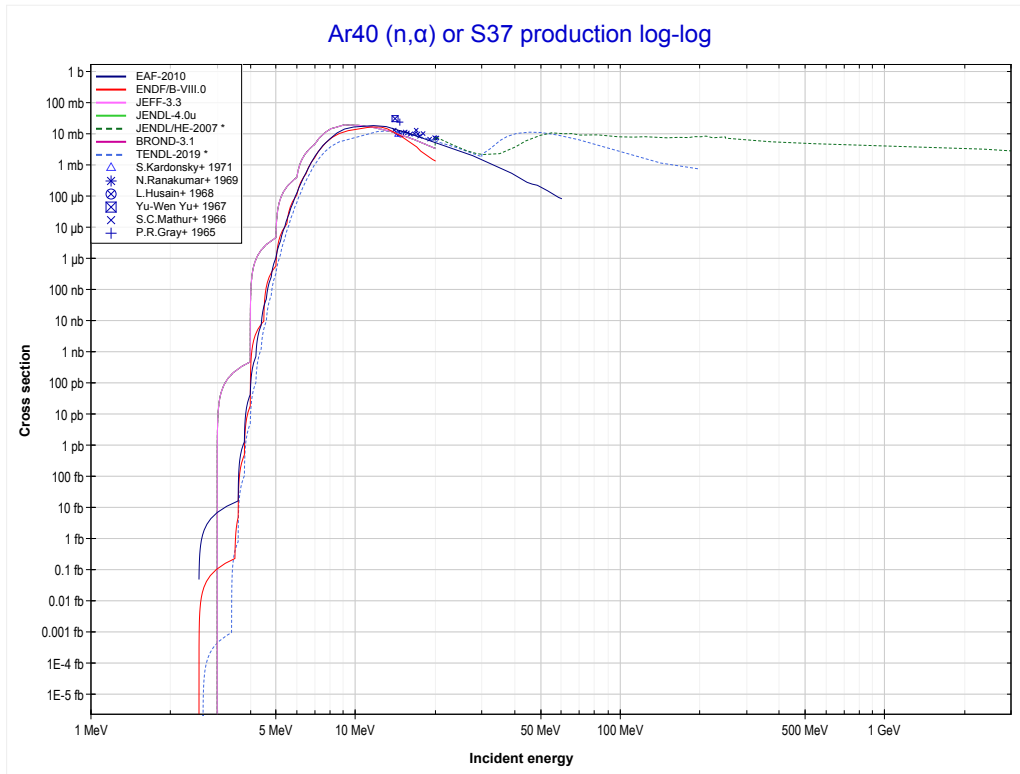
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18811E-7 b | 7.61912E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20238E-7 b | 3.6564E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.72479E-7 b | 0.00194865 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.72479E-7 b | 0.00194865 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.72474E-7 b | 0.00194865 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.72479E-7 b | 0.00194865 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.9876E-7 b | 3.47303E-4 b |

| | | |
|----------------|---|-------------------------|
| << 16-S-32 | 18-Ar-40 | 19-K-Nat >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Cl38 production) | MT107 (n, α) >> |



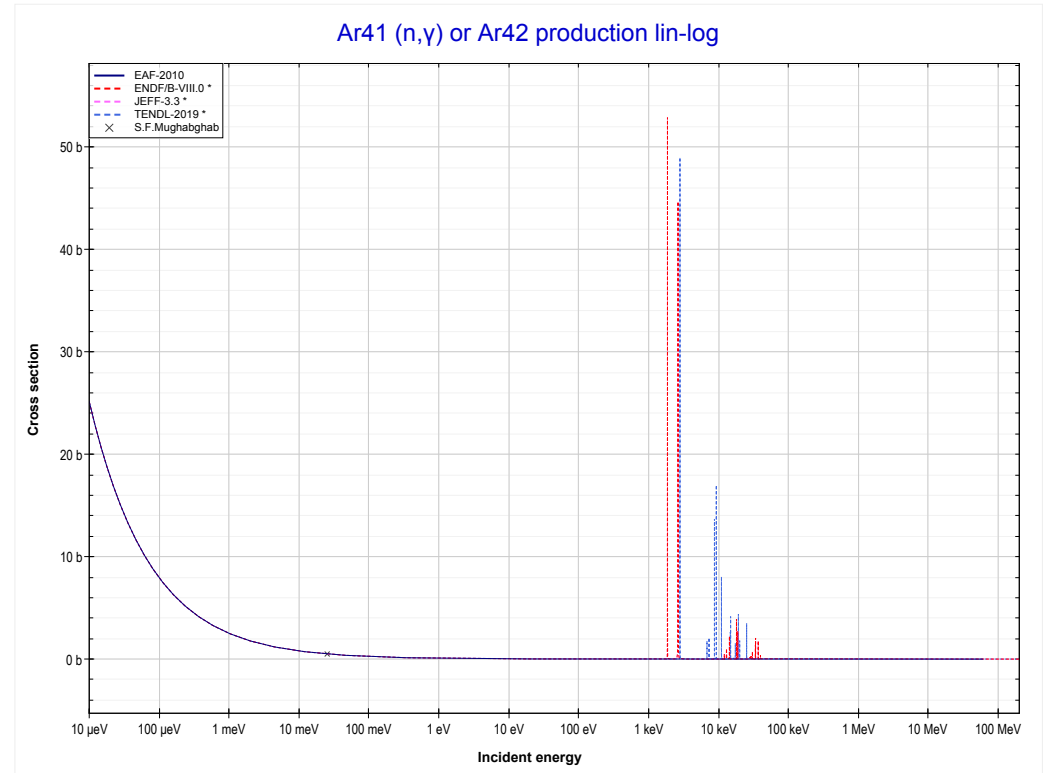
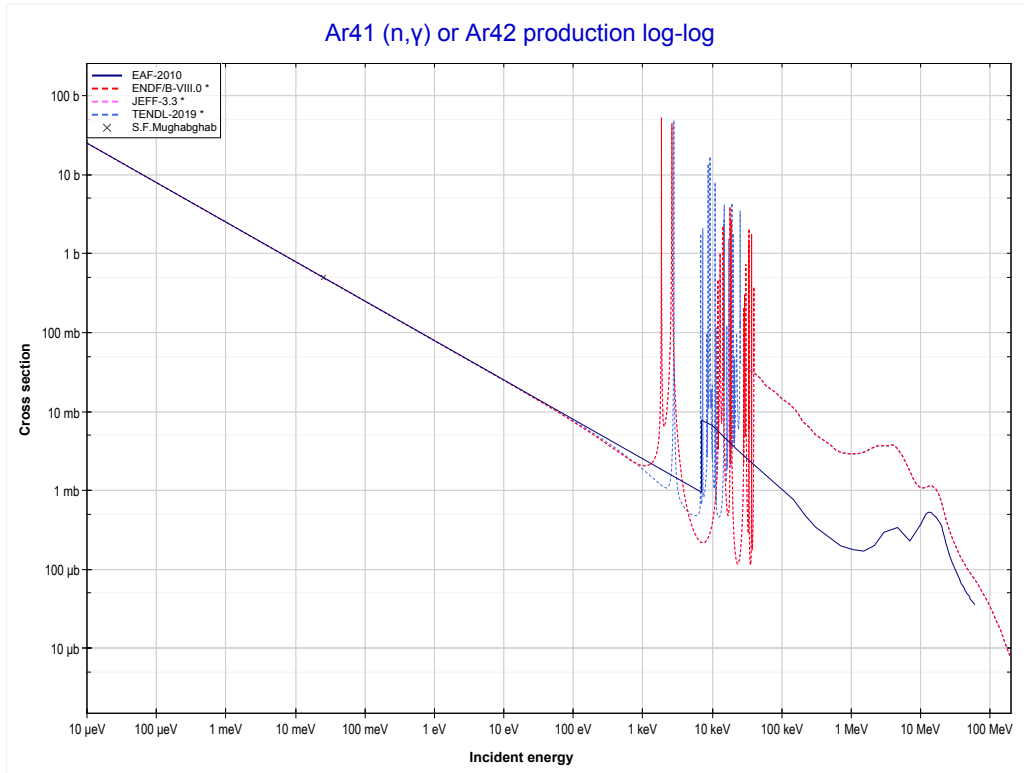
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.18642E-8 b | 3.49459E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.96187E-9 b | 3.54128E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.96187E-9 b | 3.54128E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.96181E-9 b | 3.54128E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.96187E-9 b | 3.54128E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13564E-8 b | 1.95655E-7 b |

| | | |
|----------------|--|----------------------------------|
| << 18-Ar-39 | 18-Ar-40 | 19-K-39 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (S37 production) | 18-Ar-41 MT102 (n, γ) >> |



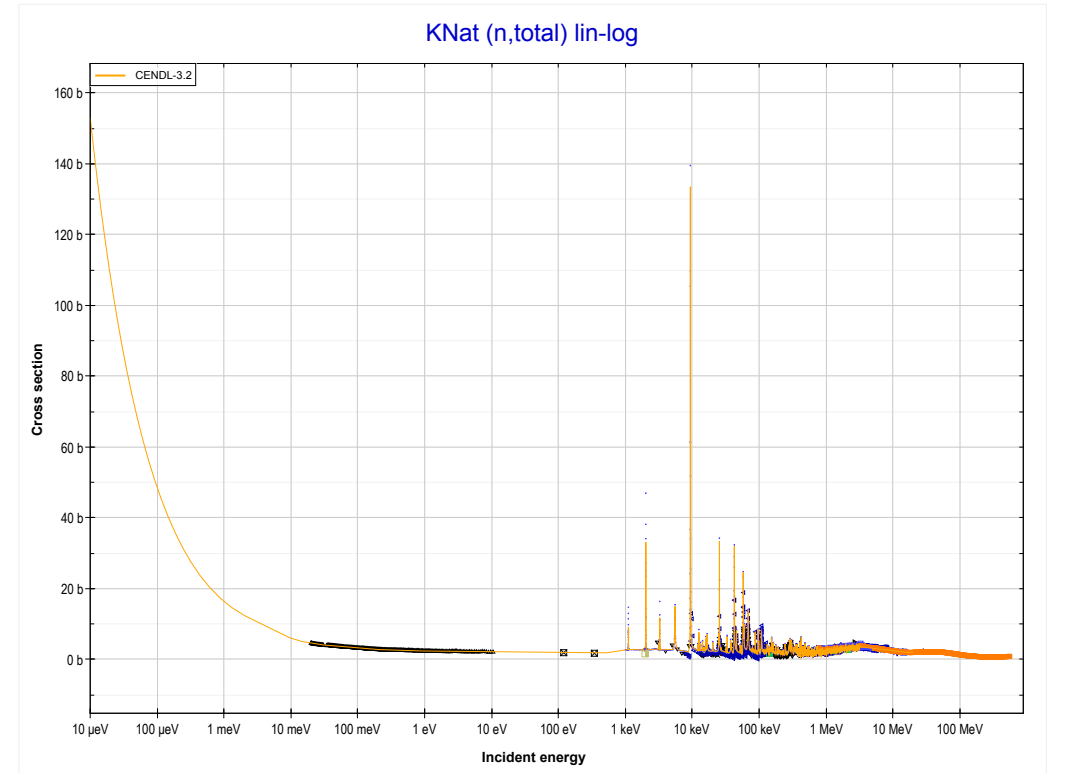
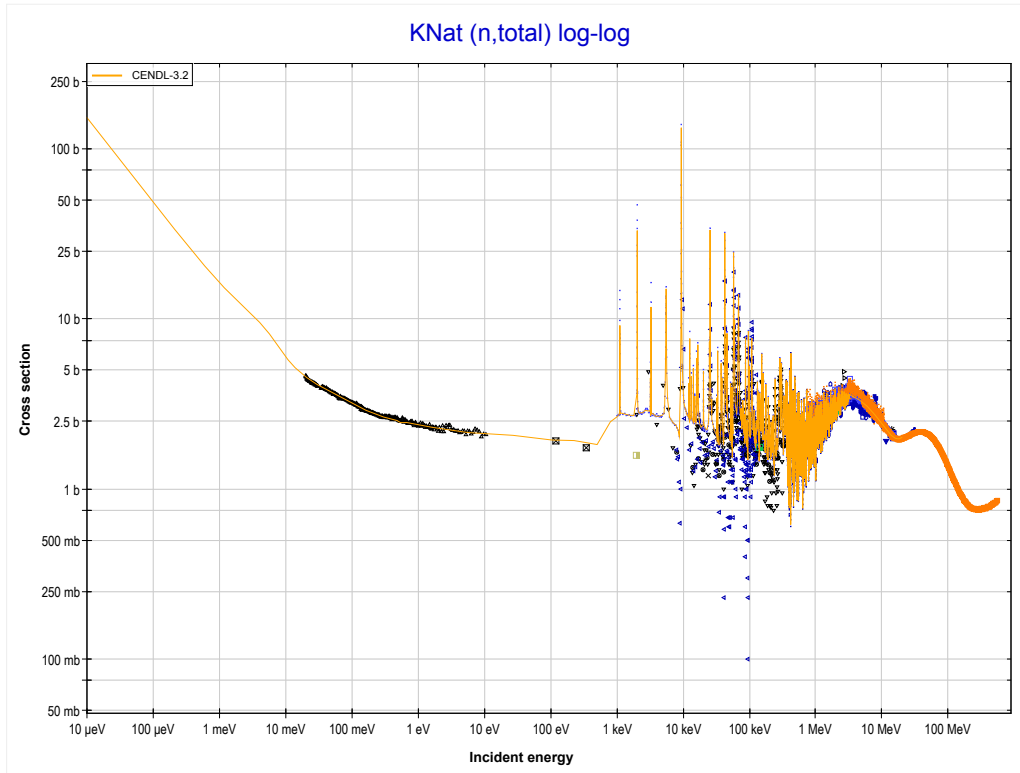
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4619E-4 b | 0.0147089 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31579E-4 b | 0.0113927 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.4571E-4 b | 0.0110846 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.4571E-4 b | 0.0110846 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.4571E-4 b | 0.0110846 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.4571E-4 b | 0.0110846 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.48591E-5 b | 0.0121256 b |

| | | |
|----------------------------------|---|---------------------------|
| << 18-Ar-40 | 18-Ar-41 | 19-K-Nat >> |
| << 18-Ar-40 MT107 (n, α) | MT102 (n,γ) or MT5 (Ar42 production) | 19-K-Nat MT1 (n,total) >> |



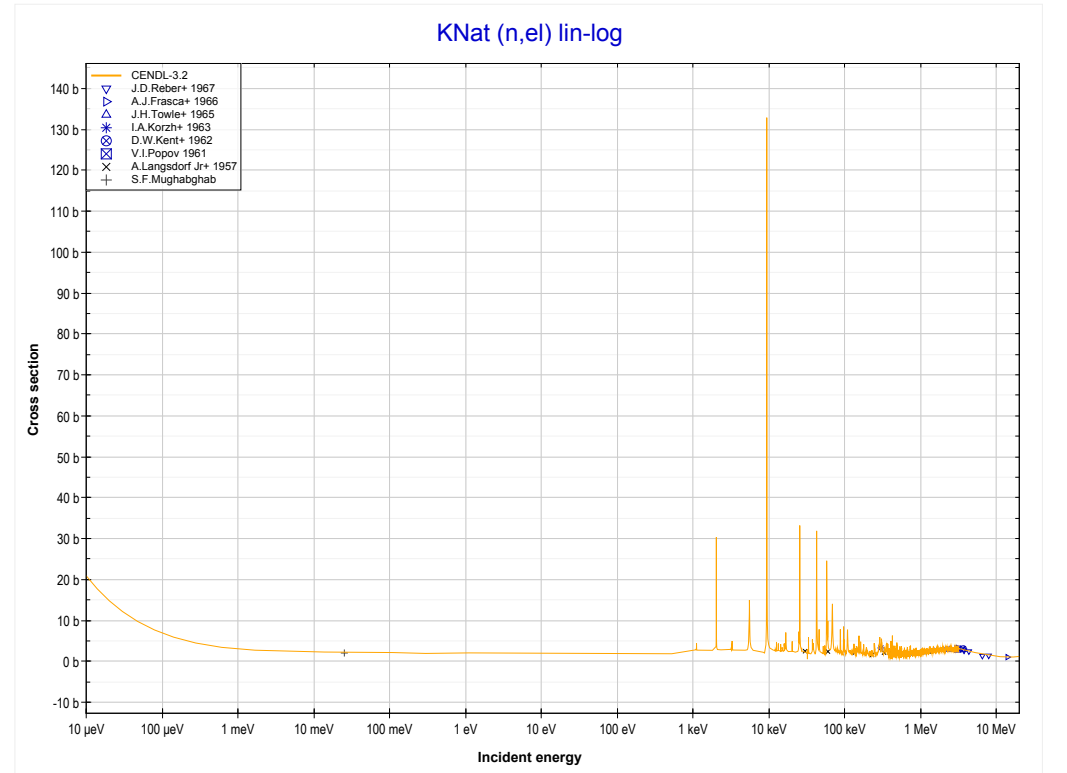
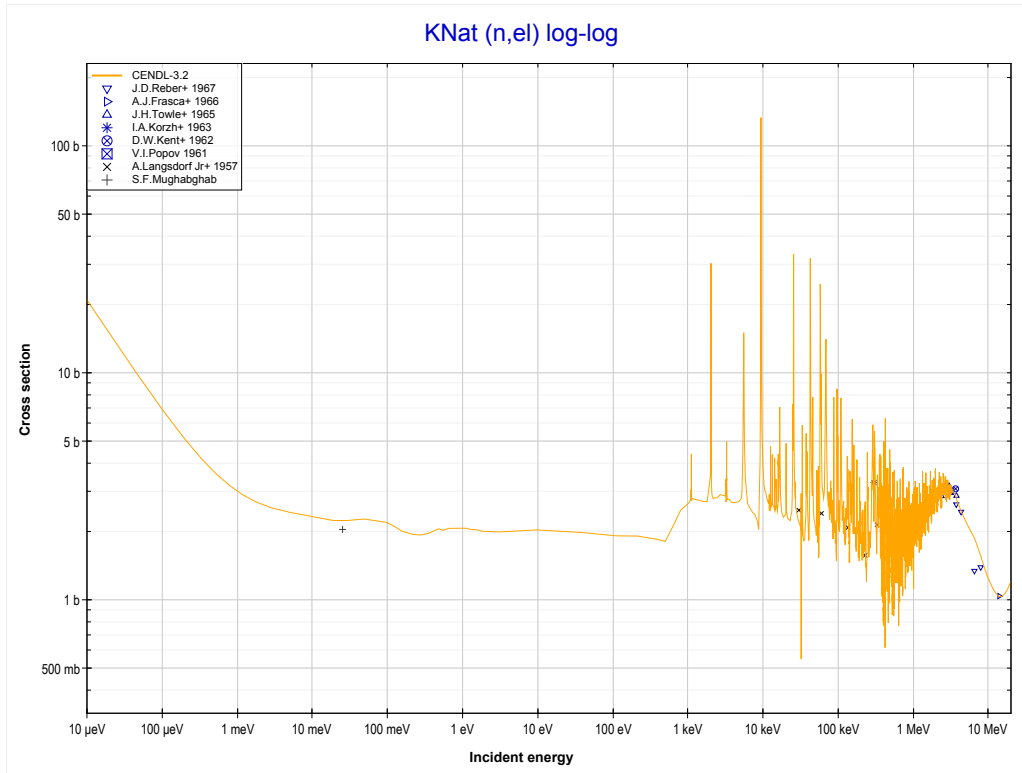
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.5 b | 0.499625 b | 0.49965 b | 1.00005 | 0.232475 b | 2.75385E-4 b | 5.3E-4 b |
| ENDF/B-VIII.0 | 0.499514 b | 0.499514 b | 0.49968 b | 1.00034 | 0.737834 b | 0.00389726 b | 0.00113579 b |
| JEFF-3.3 | 0.499514 b | 0.499514 b | 0.49968 b | 1.00034 | 0.737834 b | 0.00389726 b | 0.00113579 b |
| TENDL-2019 | 0.499051 b | 0.499051 b | 0.49907 b | 1.00005 | 0.471582 b | 0.00392873 b | 0.00113401 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 18-Ar-40 | 19-K-Nat | 19-K-39 >> |
| << 18-Ar-41 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



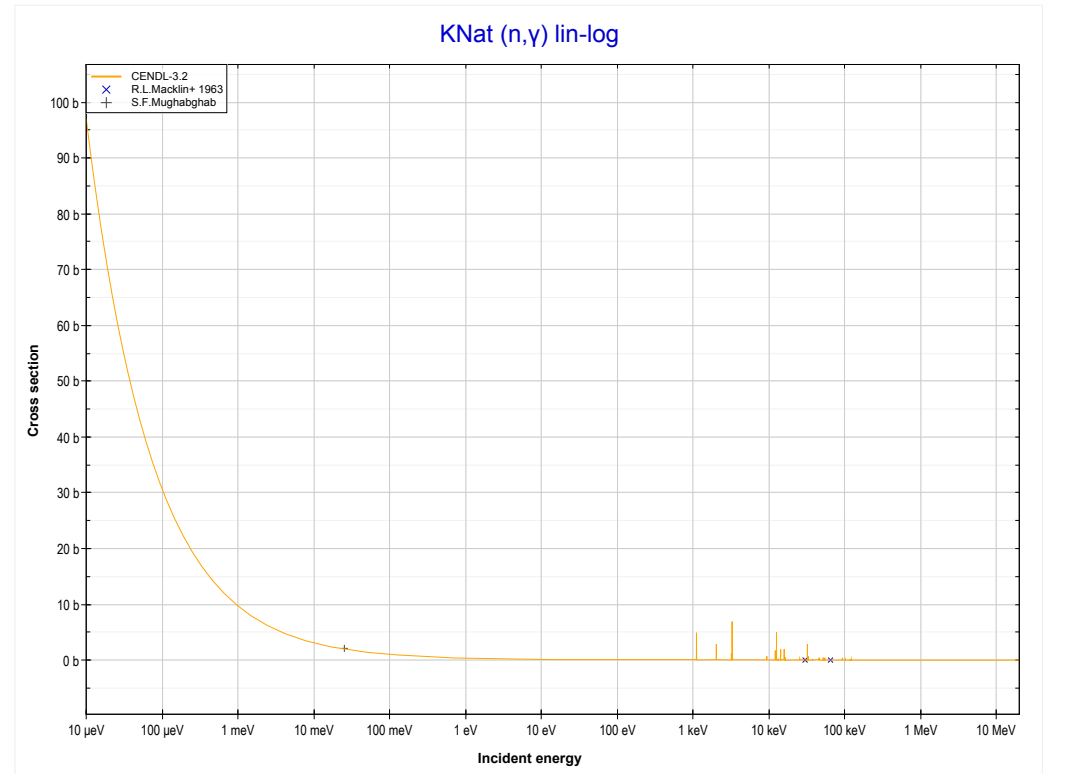
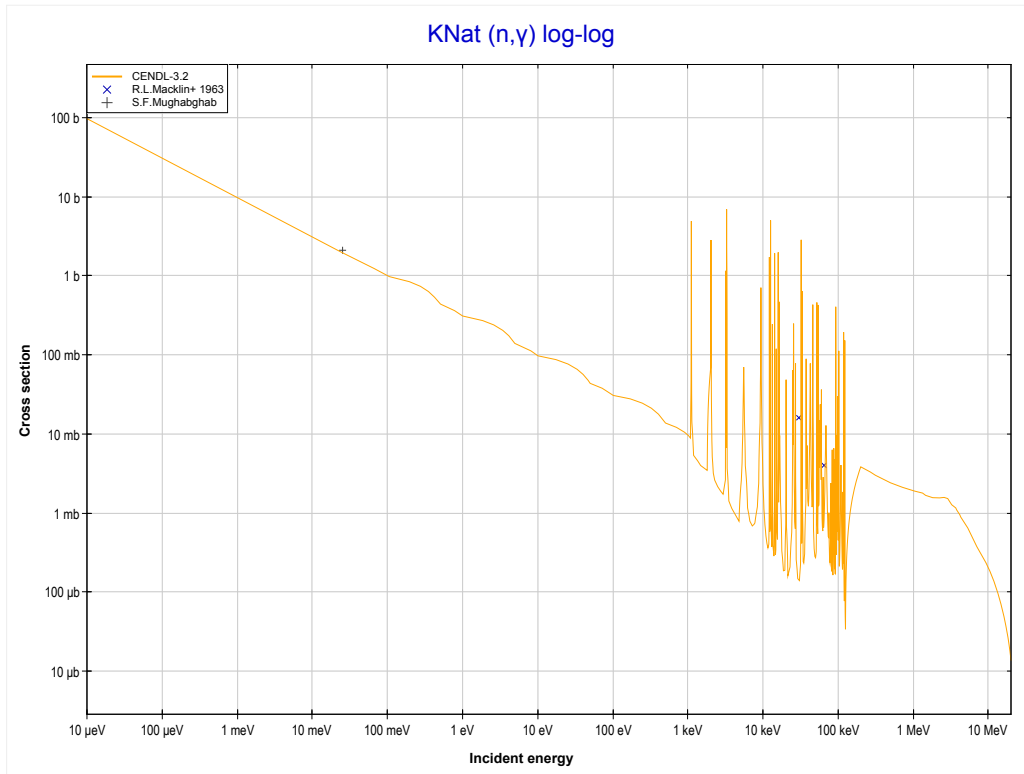
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 4.2864 b | 4.2864 b | 4.6882 b | 1.09373 | 32.1791 b | 2.73857 b | 2.0634 b |

| | | |
|------------------|------------------------|-------------------------|
| << 18-Ar-40 | 19-K-Nat | 19-K-39 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



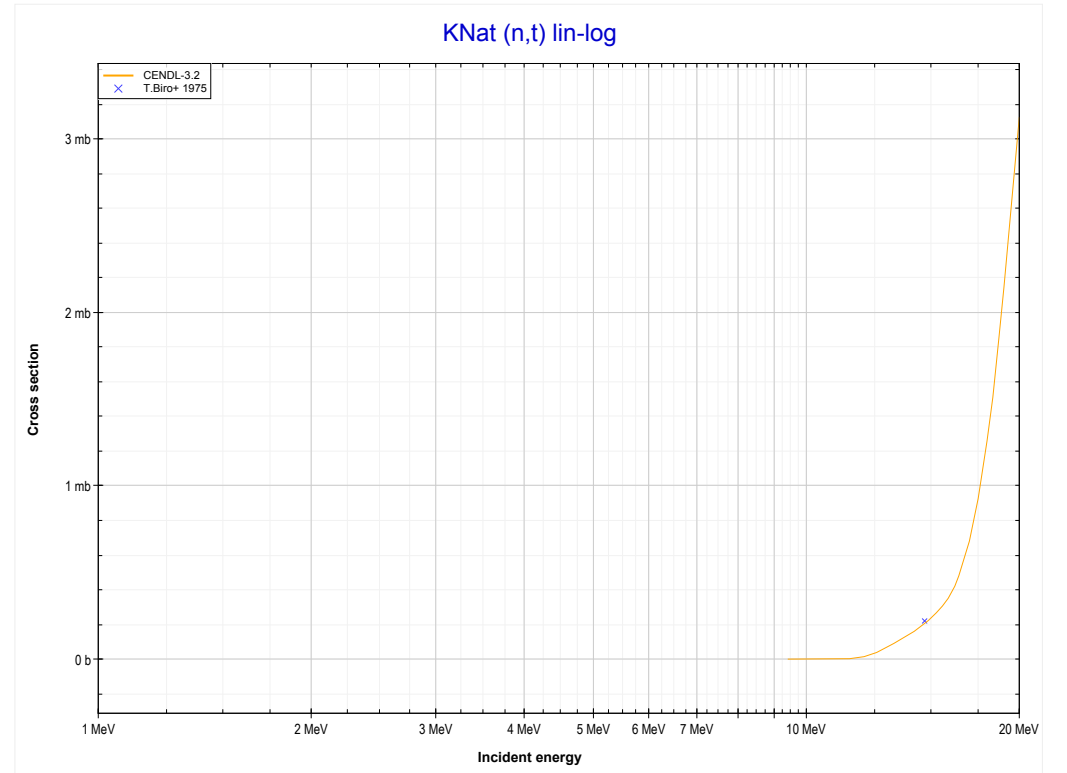
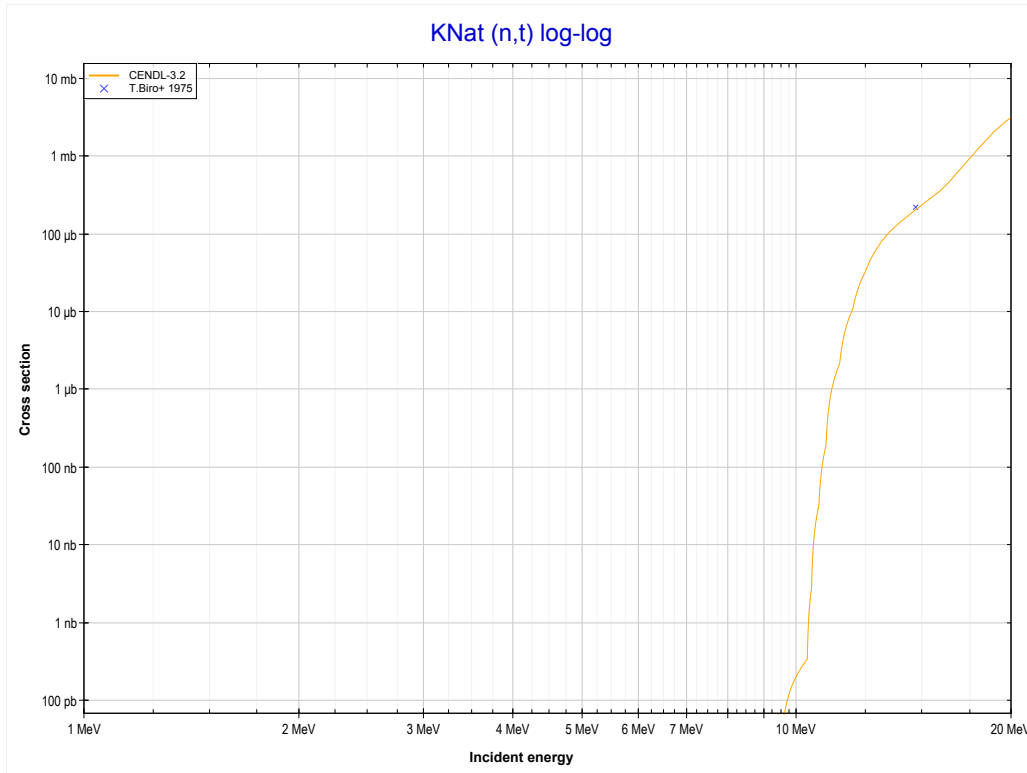
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 2.22897 b | 2.22897 b | 2.5262 b | 1.13333 | 31.0825 b | 2.51596 b | 1.0331 b |

| | | |
|--------------------|--------------------------------------|----------------|
| << 18-Ar-41 | 19-K-Nat | 19-K-39 >> |
| << MT2 (n,elastic) | MT102 (n,γ) | MT105 (n,t) >> |



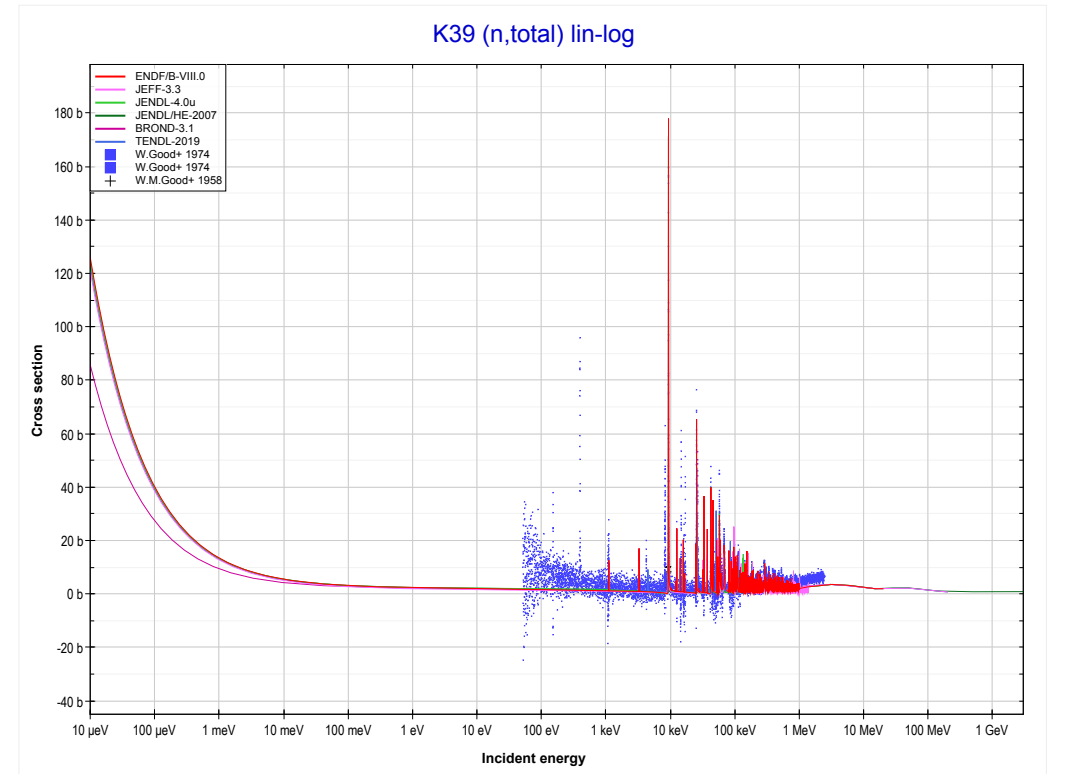
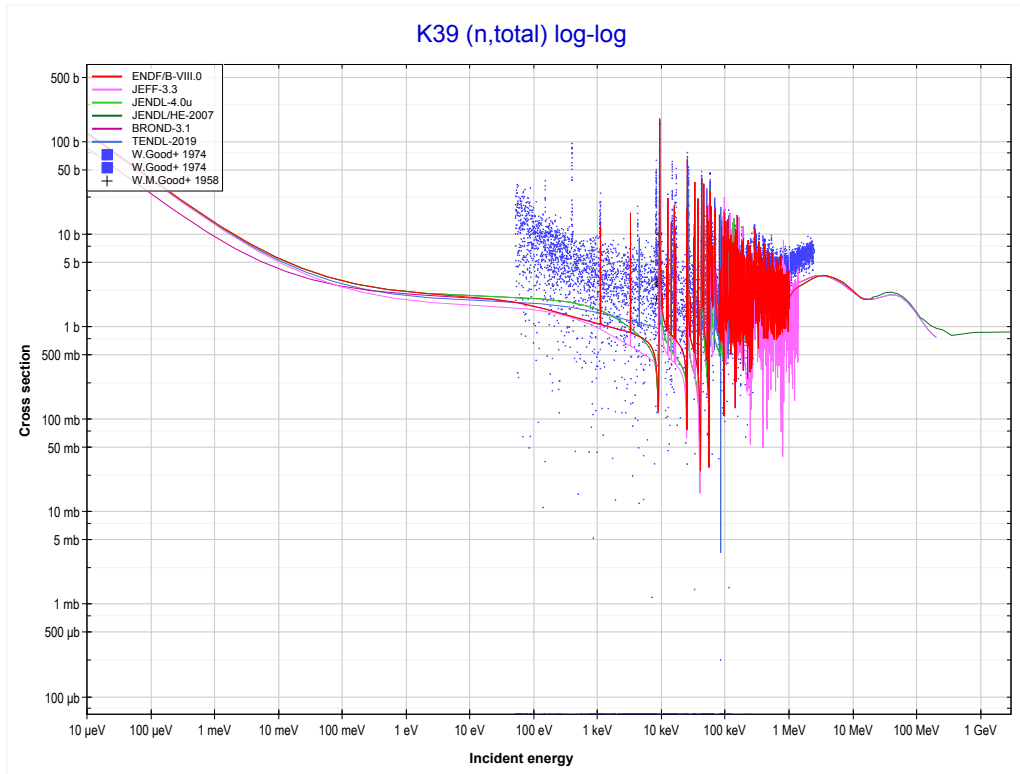
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 1.95399 b | 1.95399 b | 1.9672 b | 1.00673 | 1.0688 b | 0.00186255 b | 8.3481E-5 b |

| | | |
|-------------------------|--------------------|--------------------------|
| << 18-Ar-40 | 19-K-Nat | 19-K-39 >> |
| << MT102 (n, γ) | MT105 (n,t) | 19-K-39 MT1 (n,total) >> |



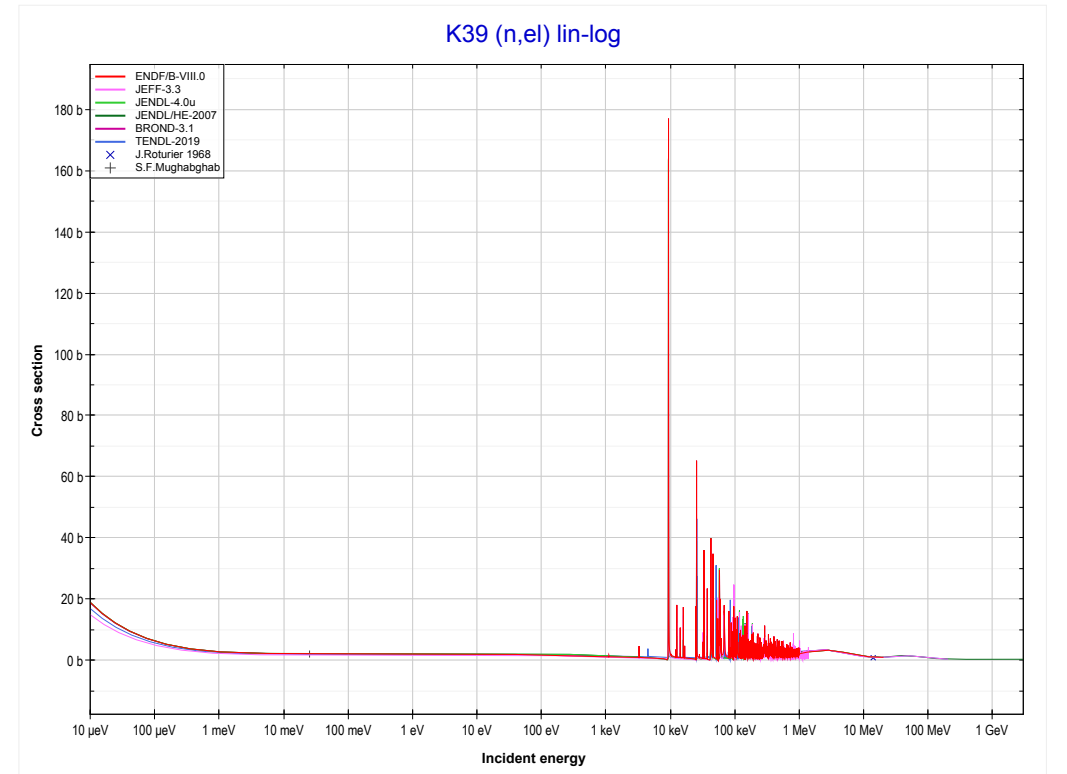
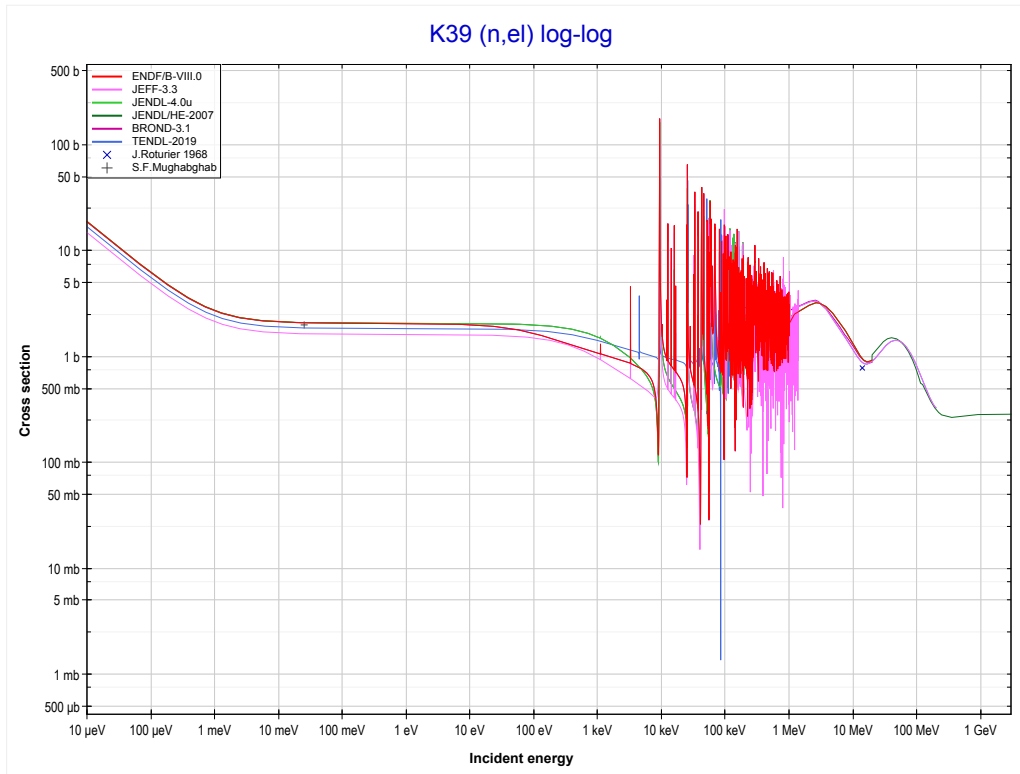
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57368E-8 b | 1.4282E-4 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 19-K-Nat | 19-K-39 | 19-K-41 >> |
| << 19-K-Nat MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



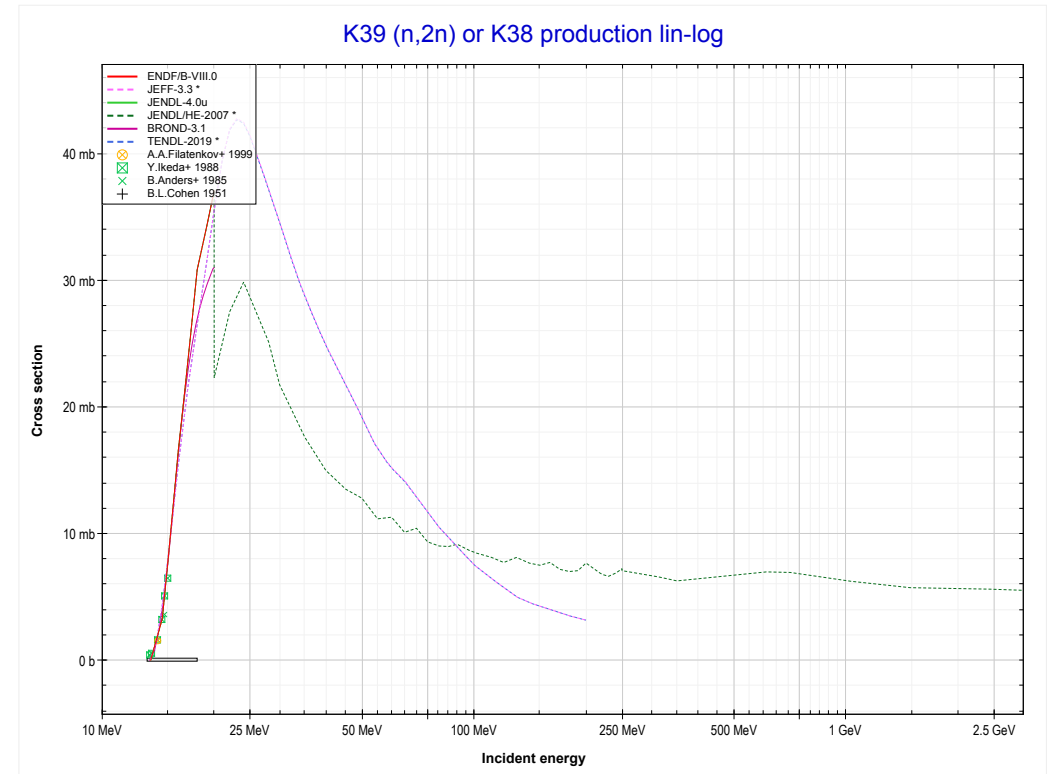
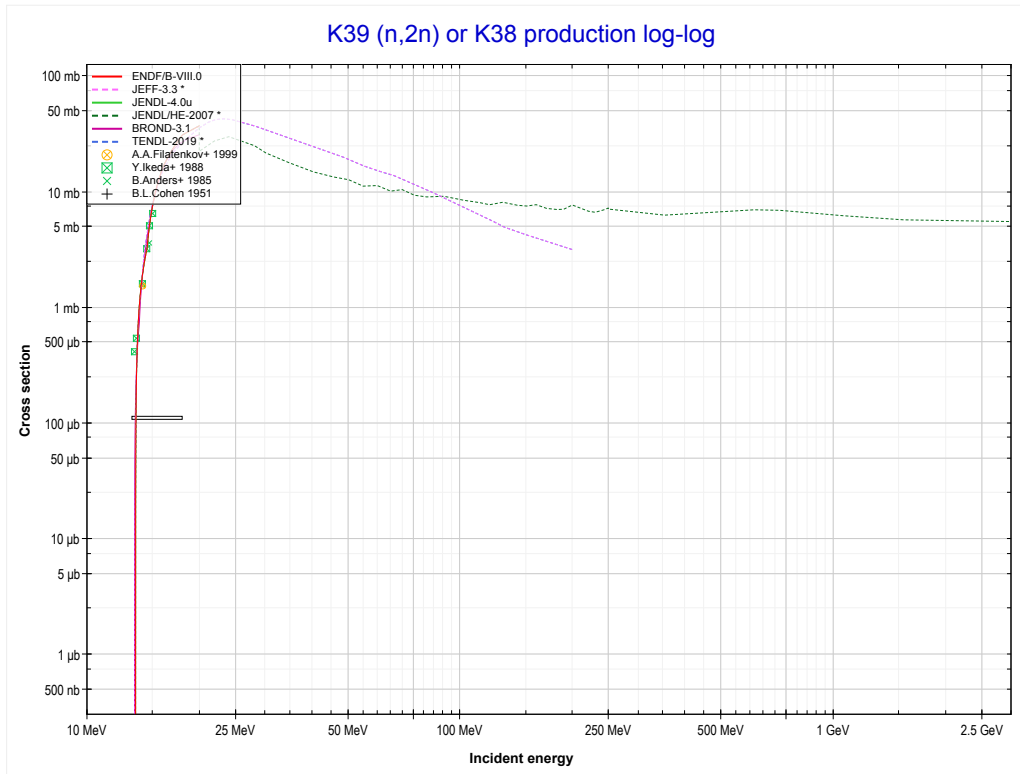
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.21687 b | 4.21687 b | 4.4849 b | 1.06355 | 22.2415 b | 2.74549 b | 2.0124 b |
| JEFF-3.3 | 3.74804 b | 3.74804 b | 3.959 b | 1.05629 | 18.8372 b | 2.4706 b | 2.03488 b |
| JENDL-4.0u | 4.19159 b | 4.19159 b | 4.4603 b | 1.06411 | 22.73 b | 2.79618 b | 2.01241 b |
| JENDL/HE-2007 | 4.19093 b | 4.19093 b | 4.4592 b | 1.06401 | 22.7356 b | 2.79618 b | 2.01241 b |
| BROND-3.1 | 3.41421 b | 3.41421 b | 3.6818 b | 1.07838 | 21.8761 b | 2.85325 b | 2.02911 b |
| TENDL-2019 | 3.96213 b | 3.96213 b | 4.2011 b | 1.06031 | 19.6077 b | 3.00234 b | 2.03491 b |

| | | |
|------------------|------------------------|----------------|
| << 19-K-Nat | 19-K-39 | 19-K-41 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



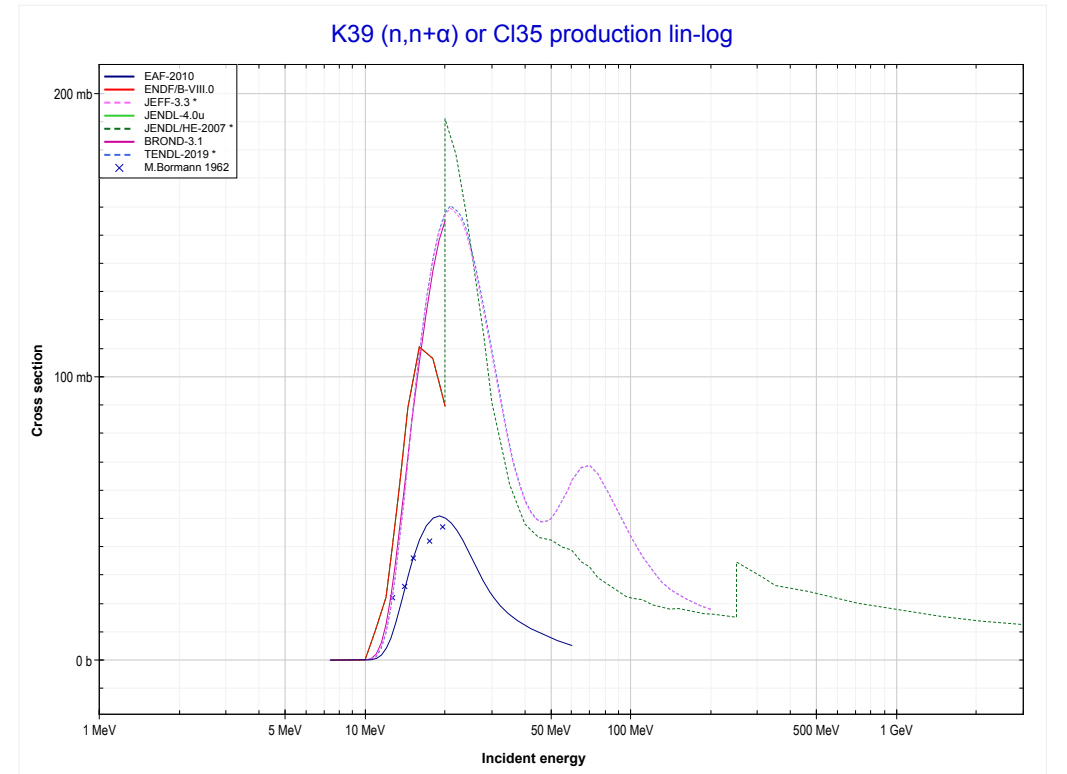
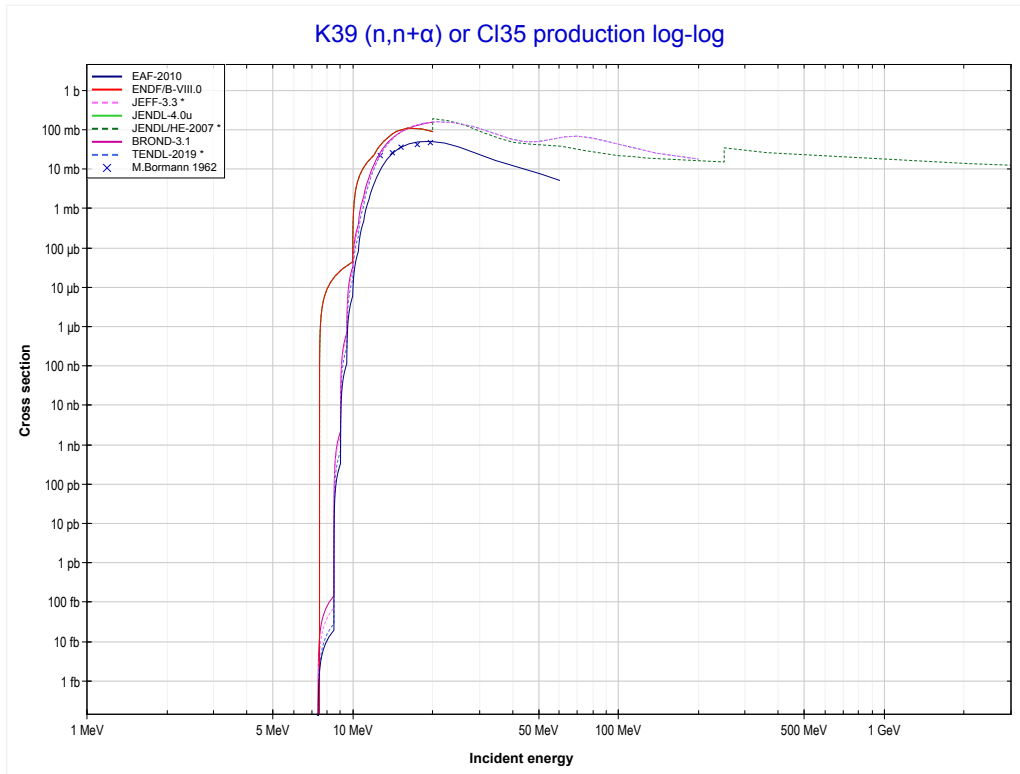
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.08509 b | 2.08509 b | 2.3524 b | 1.12821 | 21.2438 b | 2.53782 b | 0.955326 b |
| JEFF-3.3 | 1.6391 b | 1.6391 b | 1.8494 b | 1.12828 | 17.8496 b | 2.24455 b | 0.879746 b |
| JENDL-4.0u | 2.08875 b | 2.08875 b | 2.3567 b | 1.12829 | 21.6552 b | 2.58663 b | 0.955326 b |
| JENDL/HE-2007 | 2.08875 b | 2.08875 b | 2.3568 b | 1.12835 | 21.6607 b | 2.58652 b | 0.955326 b |
| BROND-3.1 | 2.08077 b | 2.08077 b | 2.3481 b | 1.12848 | 21.2397 b | 2.64832 b | 0.943921 b |
| TENDL-2019 | 1.86109 b | 1.86109 b | 2.1 b | 1.12835 | 18.6684 b | 2.77695 b | 0.879746 b |

| | | |
|--------------------|--|-----------------|
| << 17-CI-35 | 19-K-39 | 19-K-41 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (K38 production) | MT22 (n,n+α) >> |



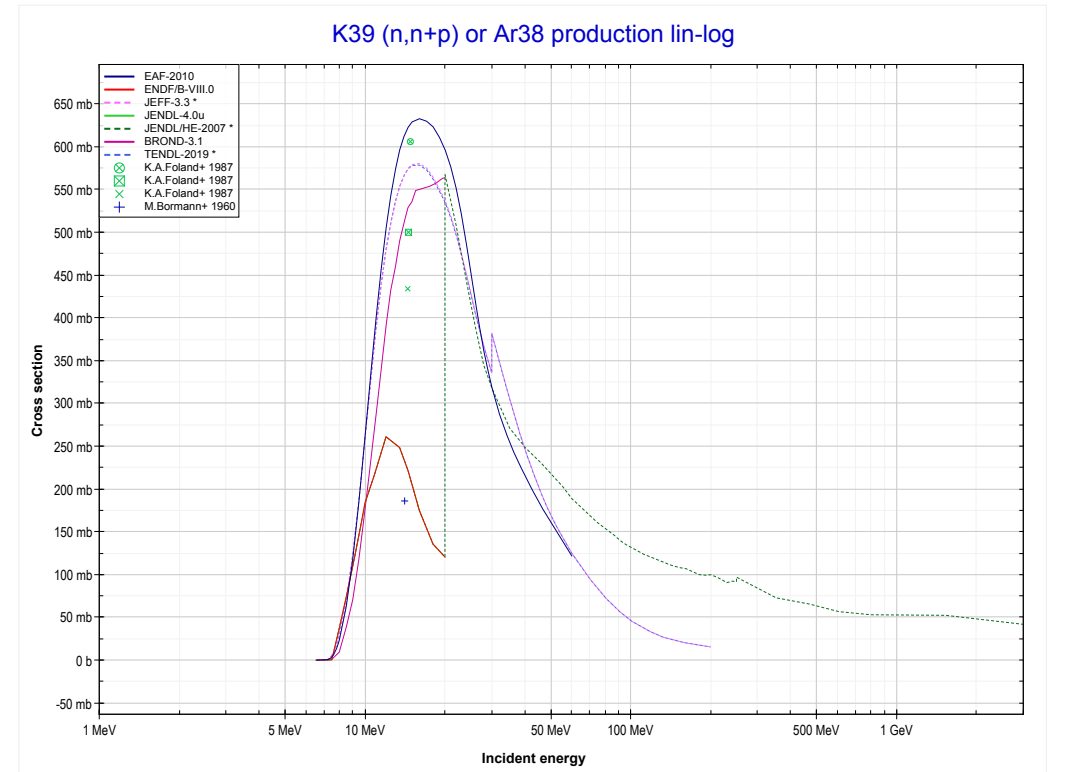
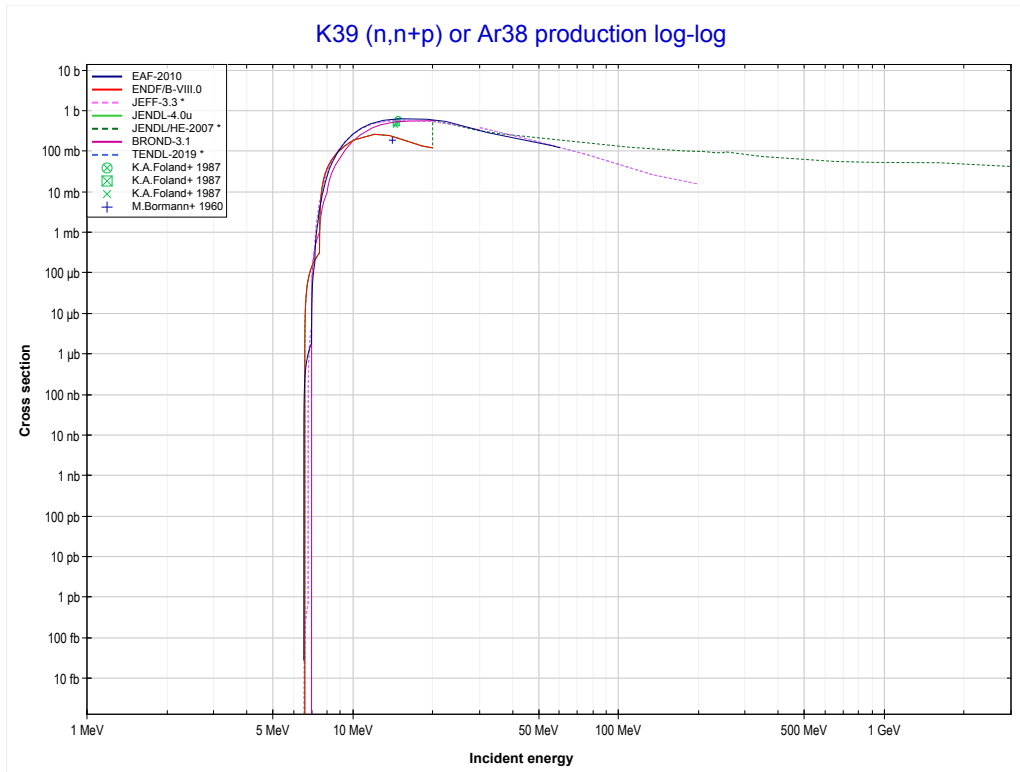
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25697E-6 b | 0.00163143 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21377E-6 b | 0.00151231 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.25697E-6 b | 0.00163143 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25696E-6 b | 0.00163143 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21834E-6 b | 0.00150479 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21629E-6 b | 0.00151476 b |

| | | |
|----------------|--|-----------------|
| << 14-Si-28 | 19-K-39 | 23-V-50 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Cl35 production) | MT28 (n,n+p) >> |



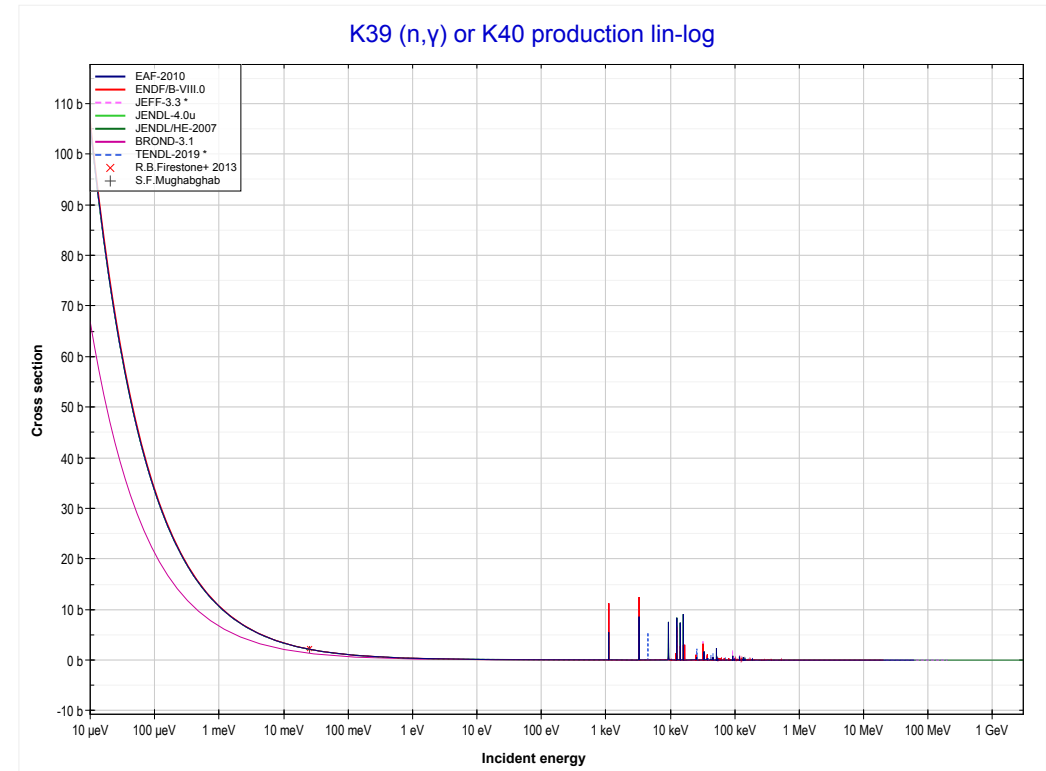
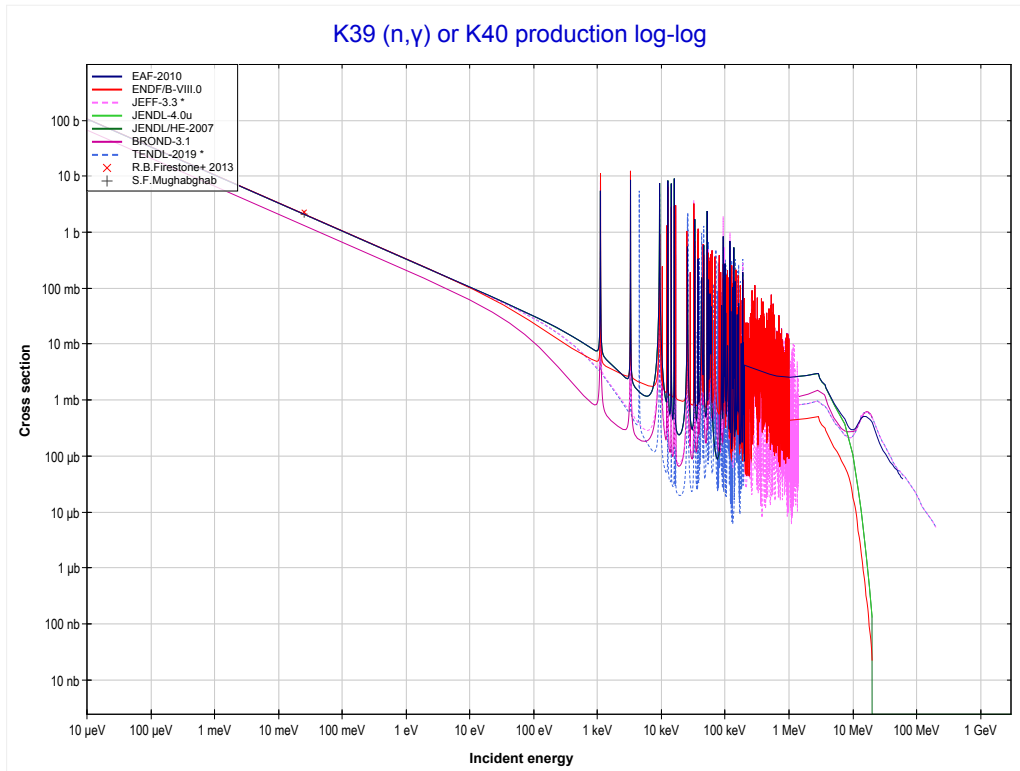
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.99802E-5 b | 0.0755231 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.29729E-5 b | 0.0555723 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.99802E-5 b | 0.0755231 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.998E-5 b | 0.0755232 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47395E-5 b | 0.0591221 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22792E-5 b | 0.0556754 b |

| | | |
|-----------------|--|----------------|
| << 18-Ar-40 | 19-K-39 | 20-Ca-40 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Ar38 production) | MT102 (n,γ) >> |



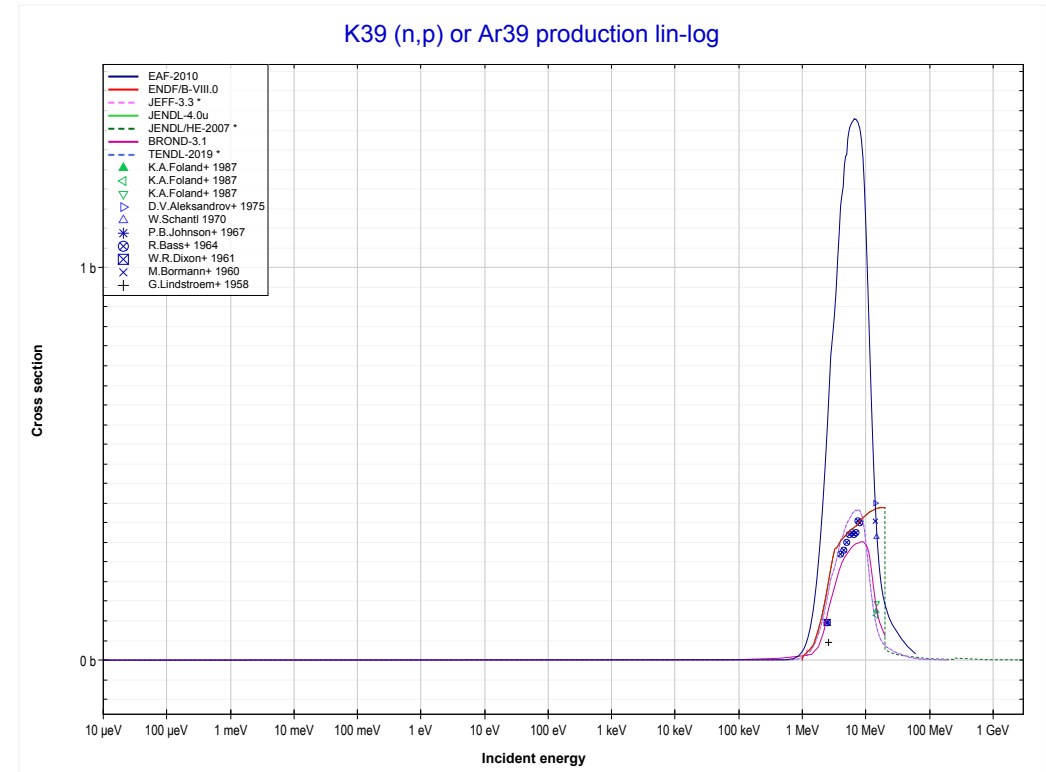
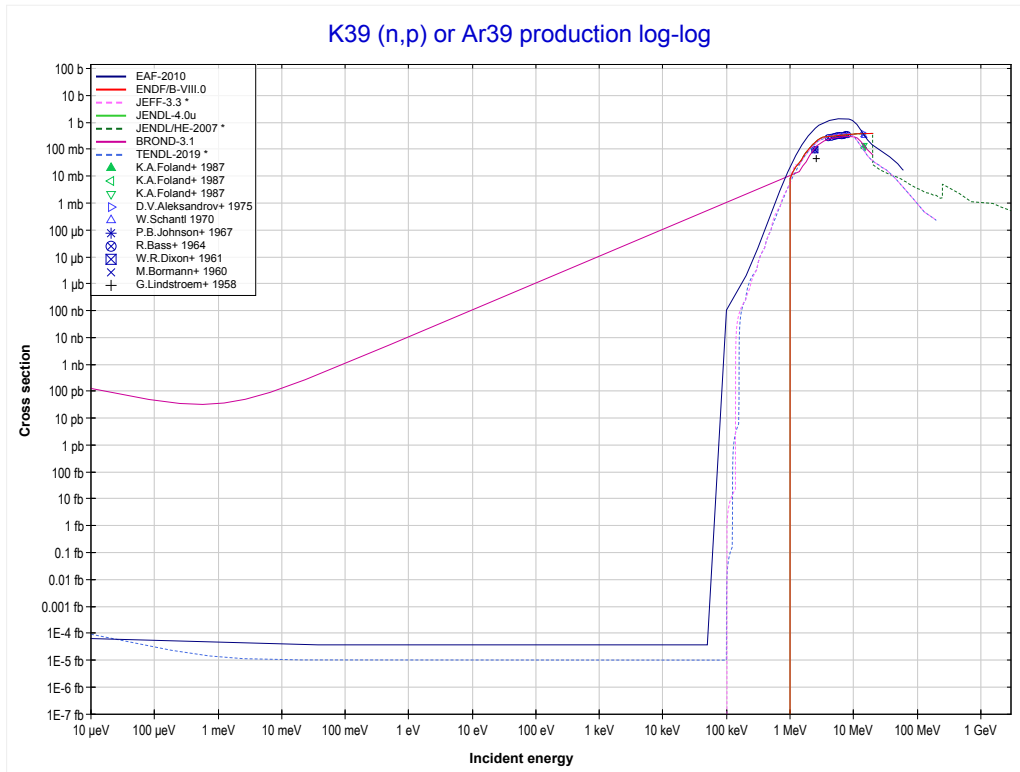
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00105194 b | 0.23528 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00146928 b | 0.565777 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00105194 b | 0.23528 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00105194 b | 0.23528 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00100498 b | 0.51033 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147478 b | 0.565806 b |

| | | |
|-----------------|--|----------------|
| << 19-K-Nat | 19-K-39 | 19-K-40 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (K40 production) | MT103 (n,p) >> |



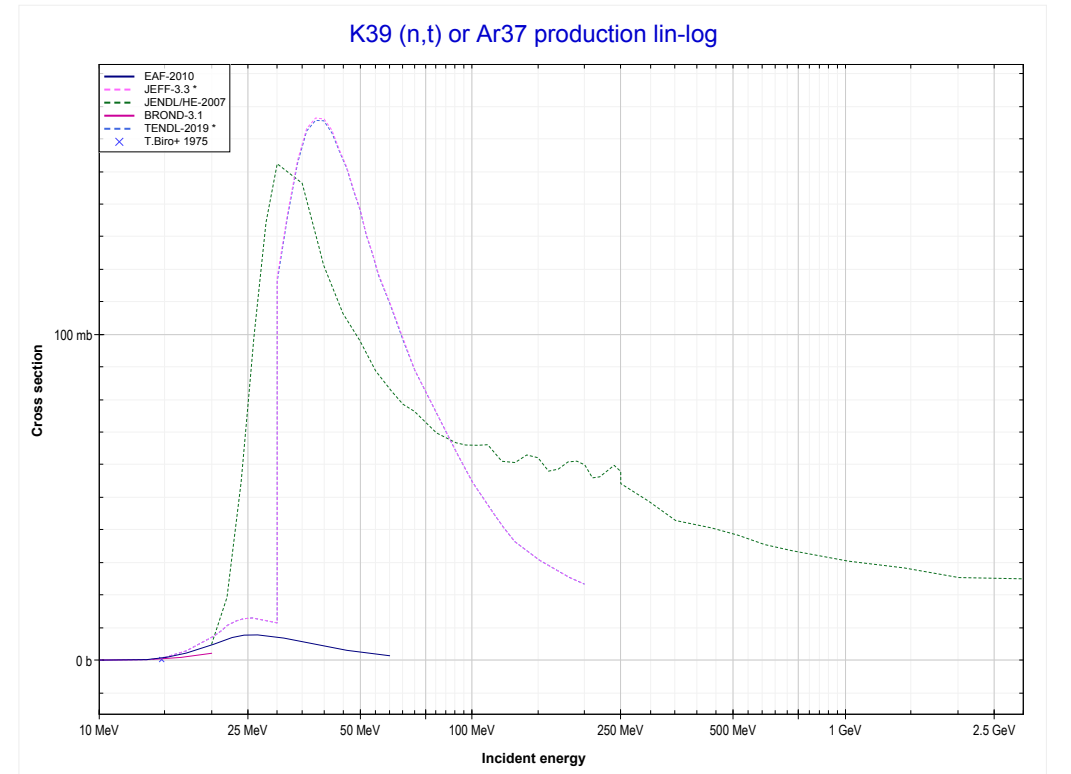
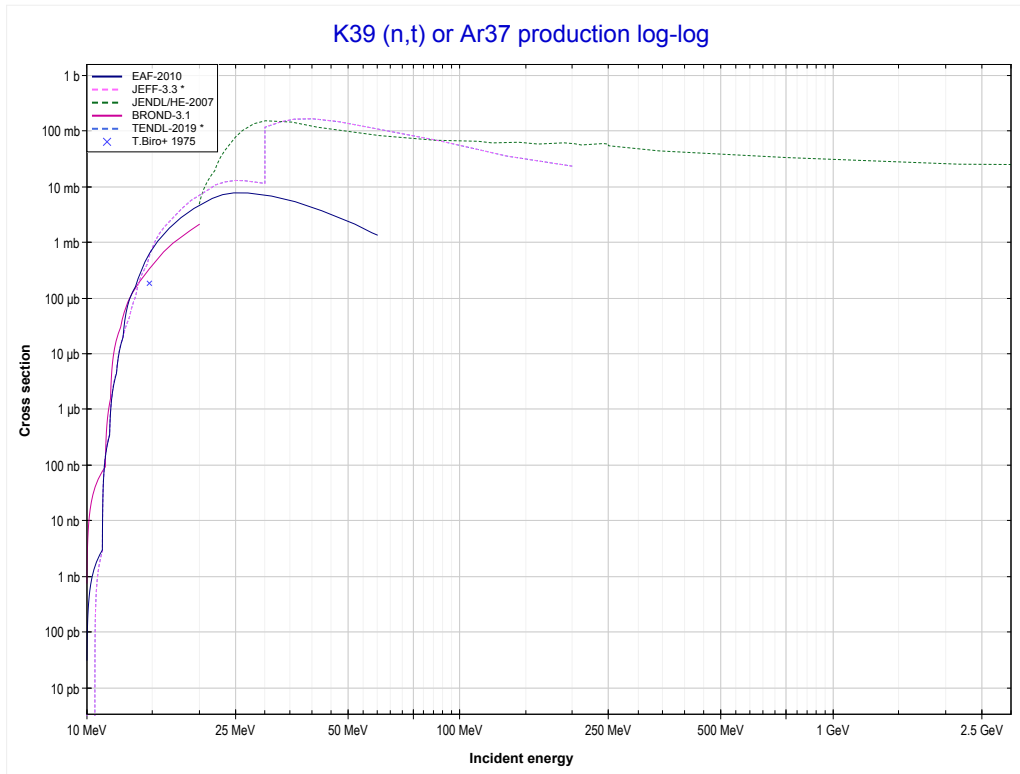
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.1007 b | 2.09929 b | 2.1037 b | 1.00216 | 1.07036 b | 0.00270389 b | 4.9614E-4 b |
| ENDF/B-VIII.0 | 2.12748 b | 2.12748 b | 2.1281 b | 1.00028 | 0.992676 b | 8.21107E-4 b | 1.35238E-6 b |
| JEFF-3.3 | 2.10462 b | 2.10462 b | 2.1053 b | 1.00035 | 0.985683 b | 7.52298E-4 b | 4.93657E-4 b |
| JENDL-4.0u | 2.09854 b | 2.09854 b | 2.0992 b | 1.00034 | 1.06974 b | 0.00269377 b | 7.41509E-6 b |
| JENDL/HE-2007 | 2.09785 b | 2.09785 b | 2.098 b | 1.00005 | 1.0679 b | 0.00269298 b | 7.41534E-6 b |
| BROND-3.1 | 1.32912 b | 1.32912 b | 1.3294 b | 1.00019 | 0.633413 b | 0.00142341 b | 5.09199E-4 b |
| TENDL-2019 | 2.09669 b | 2.09669 b | 2.0968 b | 1.00004 | 0.935835 b | 9.8335E-4 b | 4.9369E-4 b |

| | | |
|-------------------------|---|----------------|
| << 18-Ar-40 | 19-K-39 | 19-K-40 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ar39 production) | MT105 (n,t) >> |



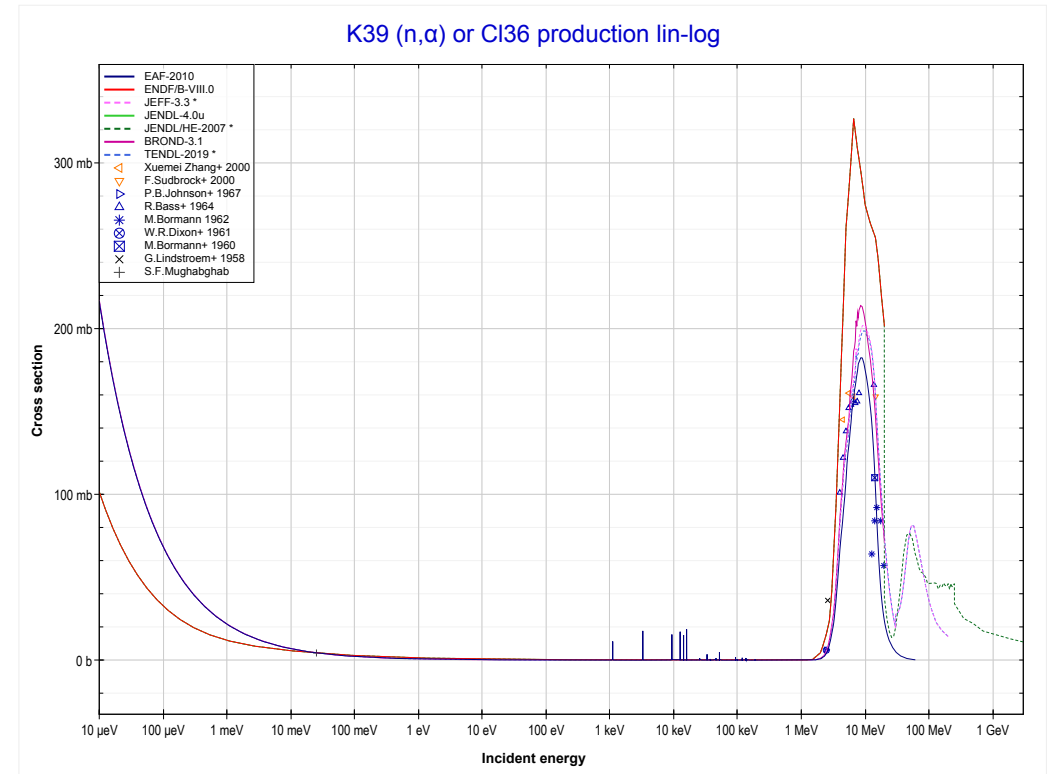
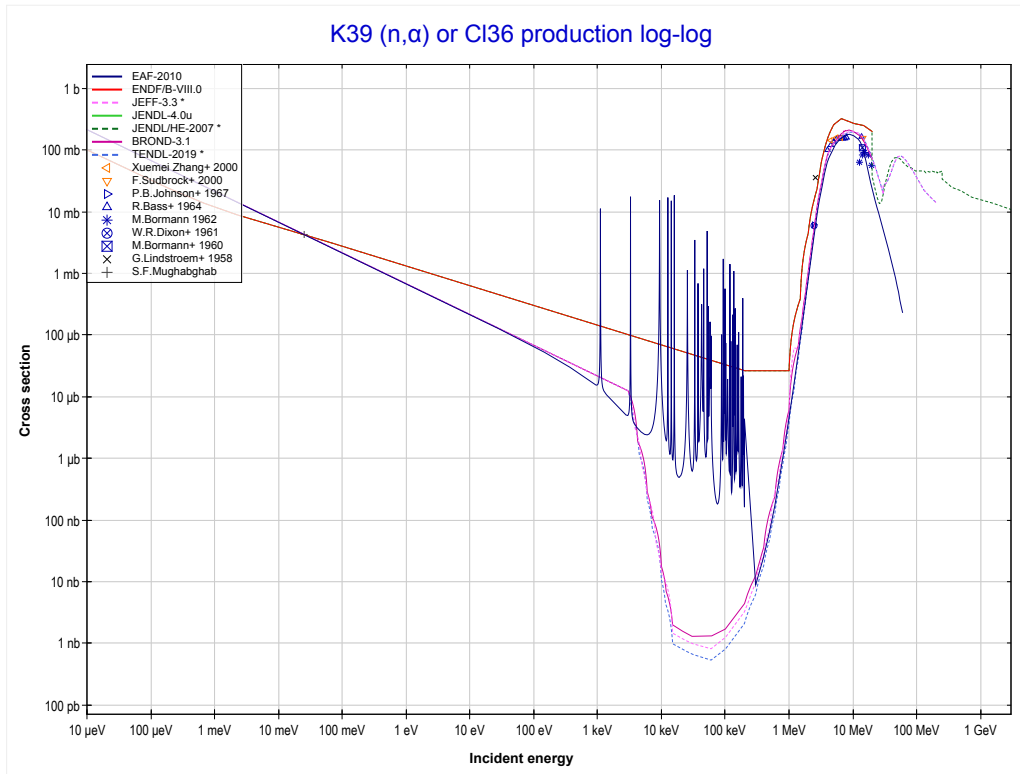
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3.69421E-20 b | 3.69421E-20 b | 4.2172E-20 b | 1.14243 | 2.52683E-9 b | 0.392638 b | 0.404472 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.111576 b | 0.38535 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.105443 b | 0.102723 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.111576 b | 0.38535 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.110937 b | 0.38535 b |
| BROND-3.1 | 2.8808E-10 b | 2.8808E-10 b | 6.2667E-10 b | 2.17535 | 0.0010565 b | 0.0801568 b | 0.15435 b |
| TENDL-2019 | 1.0129E-20 b | 1.0129E-20 b | 1.143E-20 b | 1.1284 | 1.22157E-19 b | 0.10474 b | 0.102815 b |

| | | |
|----------------|---|-------------------------|
| << 19-K-Nat | 19-K-39 | 20-Ca-40 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ar37 production) | MT107 (n, α) >> |



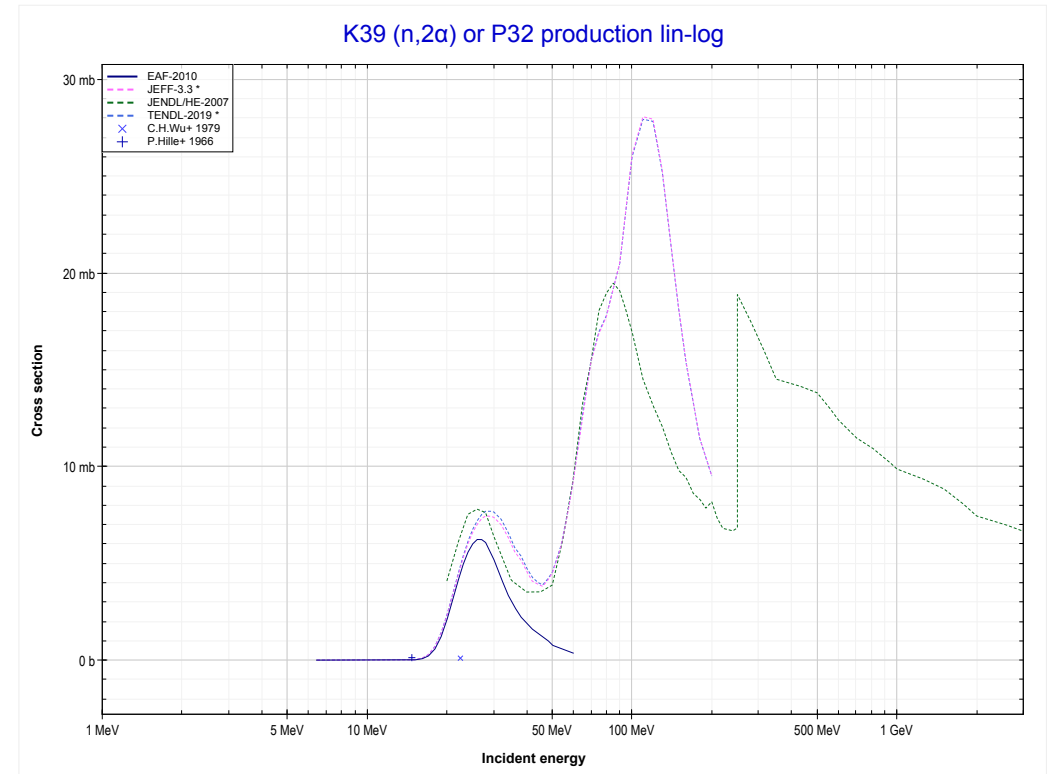
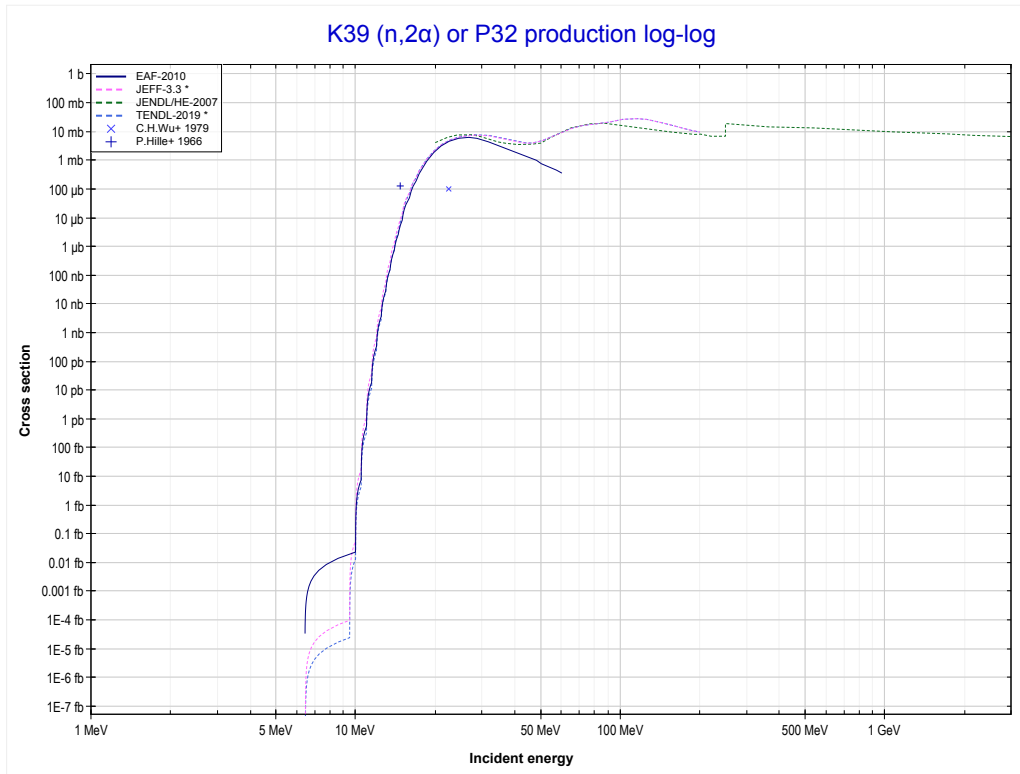
| Reaction | Q-Value |
|-----------------|---------------|
| K39(n,t)Ar37 | -9738.02 keV |
| K39(n,n+d)Ar37 | -15995.25 keV |
| K39(n,2n+p)Ar37 | -18219.82 keV |

| | | |
|----------------|---|--------------------------|
| << 18-Ar-40 | 19-K-39 | 19-K-40 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Cl36 production) | MT108 (n,2 α) >> |



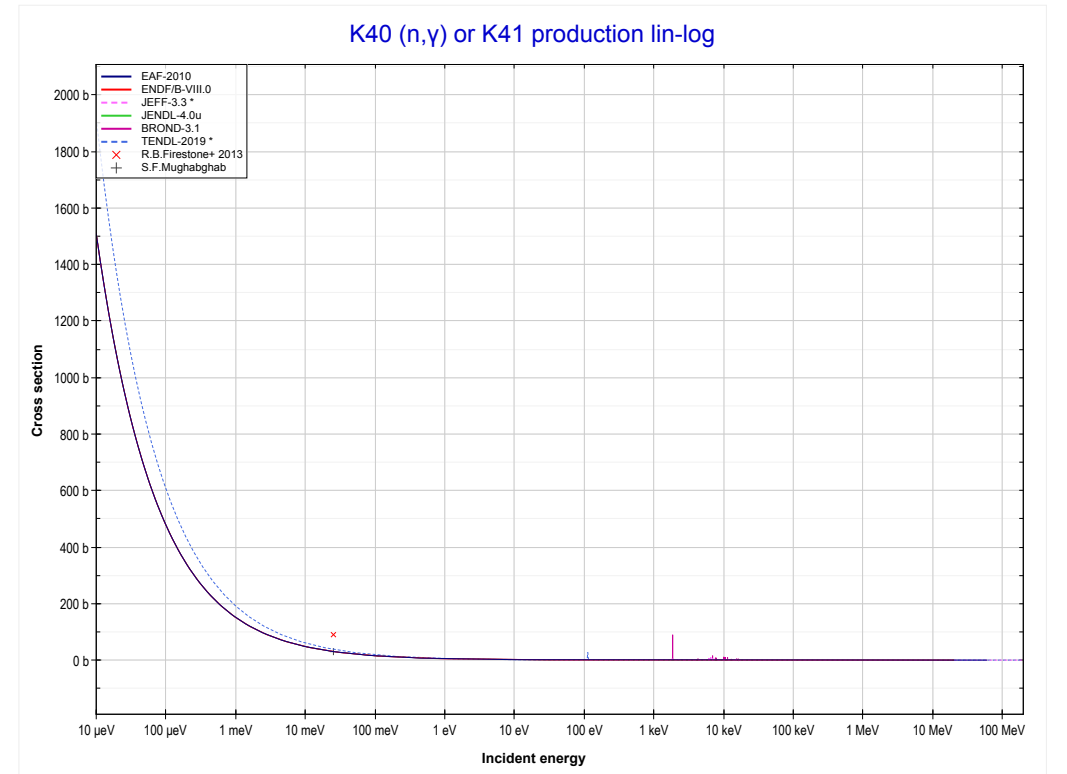
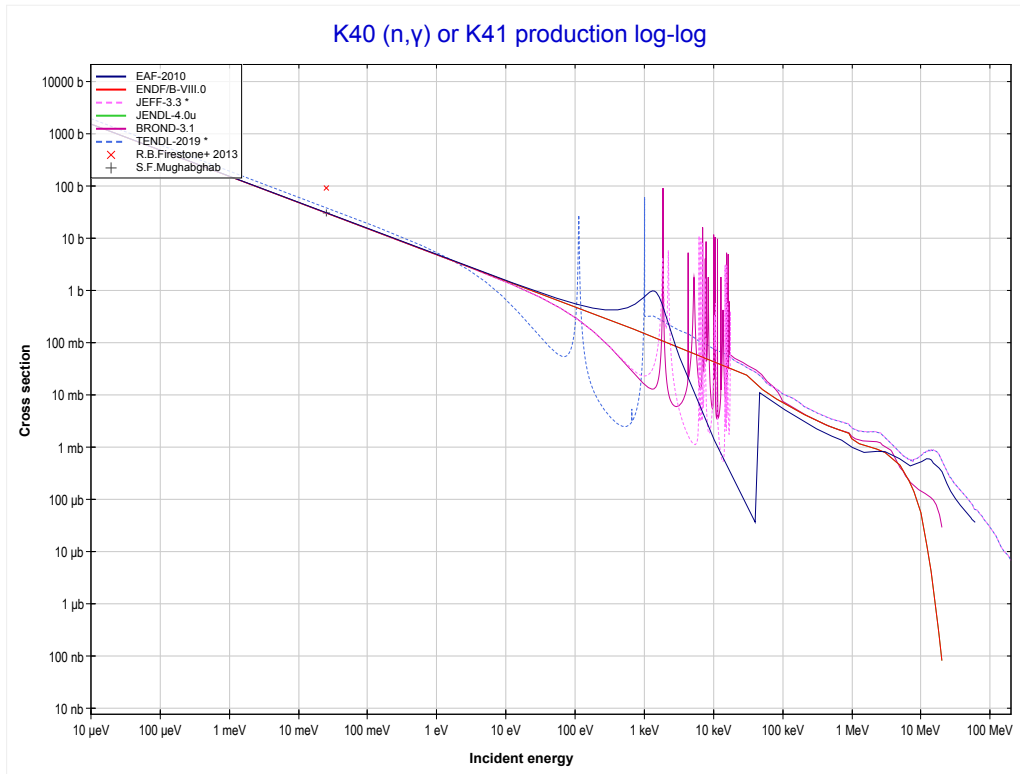
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0043 b | 0.00429688 b | 0.0042971 b | 1.00007 | 0.00218874 b | 0.0180114 b | 0.115976 b |
| ENDF/B-VIII.0 | 0.0043022 b | 0.0043022 b | 0.0043717 b | 1.01615 | 0.00505499 b | 0.0414975 b | 0.256491 b |
| JEFF-3.3 | 0.00432467 b | 0.00432467 b | 0.0043218 b | 0.99934 | 0.00192223 b | 0.0212108 b | 0.169832 b |
| JENDL-4.0u | 0.0043022 b | 0.0043022 b | 0.0043717 b | 1.01615 | 0.00505531 b | 0.0414975 b | 0.256491 b |
| JENDL/HE-2007 | 0.00430147 b | 0.00430147 b | 0.0043704 b | 1.01603 | 0.0050516 b | 0.0414997 b | 0.256491 b |
| BROND-3.1 | 0.00432116 b | 0.00432116 b | 0.0043206 b | 0.99987 | 0.00192351 b | 0.0220963 b | 0.154887 b |
| TENDL-2019 | 0.00430641 b | 0.00430641 b | 0.0043086 b | 1.00051 | 0.00192005 b | 0.0206763 b | 0.169264 b |

| | | |
|-------------------------|---|---------------------------------|
| << 15-P-31 | 19-K-39 | 25-Mn-55 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (P32 production) | 19-K-40 MT102 (n, γ) >> |



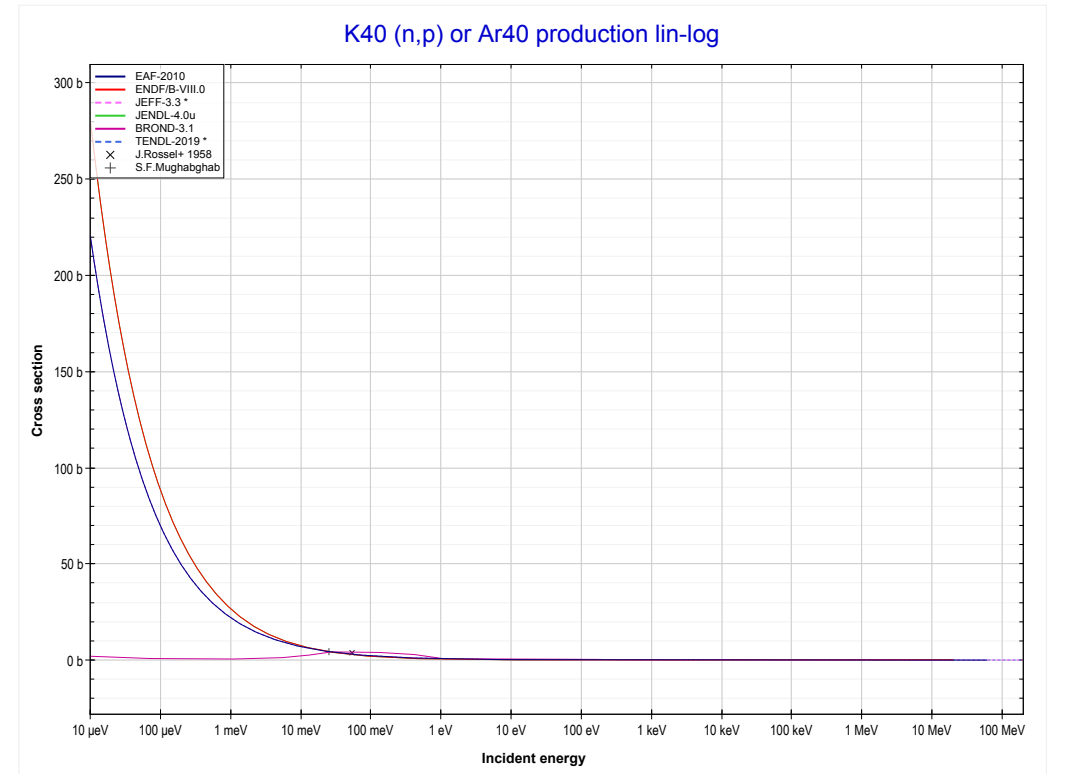
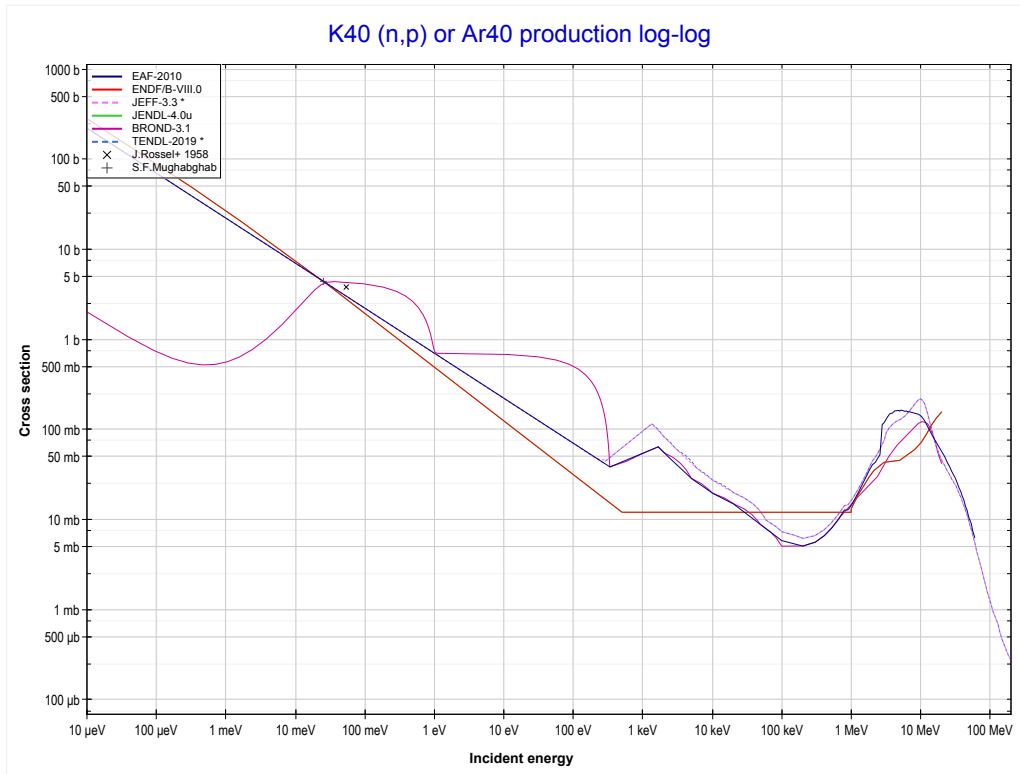
| Reaction | Q-Value | Reaction | Q-Value |
|----------------------------|---------------|----------------------|---------------|
| K39(n,2 α)P32 | -6280.83 keV | K39(n,n+p+t+He3)P32 | -46672.32 keV |
| K39(n,p+t+ α)P32 | -26094.70 keV | K39(n,2n+2He3)P32 | -47436.07 keV |
| K39(n,n+He3+ α)P32 | -26858.45 keV | K39(n,p+2d+t)P32 | -49941.23 keV |
| K39(n,2d+ α)P32 | -30127.36 keV | K39(n,n+2d+He3)P32 | -50704.98 keV |
| K39(n,n+p+d+ α)P32 | -32351.93 keV | K39(n,n+2p+d+t)P32 | -52165.79 keV |
| K39(n,2n+2p+ α)P32 | -34576.49 keV | K39(n,2n+p+d+He3)P32 | -52929.55 keV |
| K39(n,d+t+He3)P32 | -44447.75 keV | K39(n,4d)P32 | -53973.89 keV |
| K39(n,2p+2t)P32 | -45908.56 keV | K39(n,2n+3p+t)P32 | -54390.36 keV |

| | | |
|-------------------------|--|----------------|
| << 19-K-39 | 19-K-40 | 19-K-41 >> |
| << 19-K-39 MT108 (n,2α) | MT102 (n,γ) or MT5 (K41 production) | MT103 (n,p) >> |



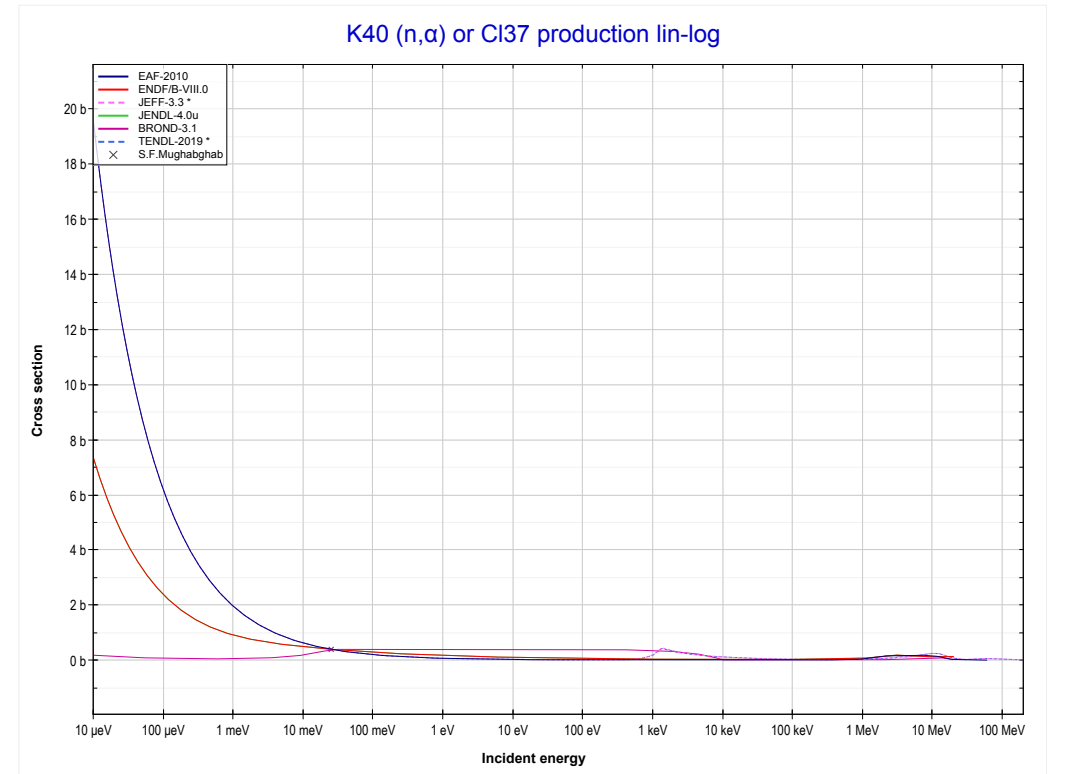
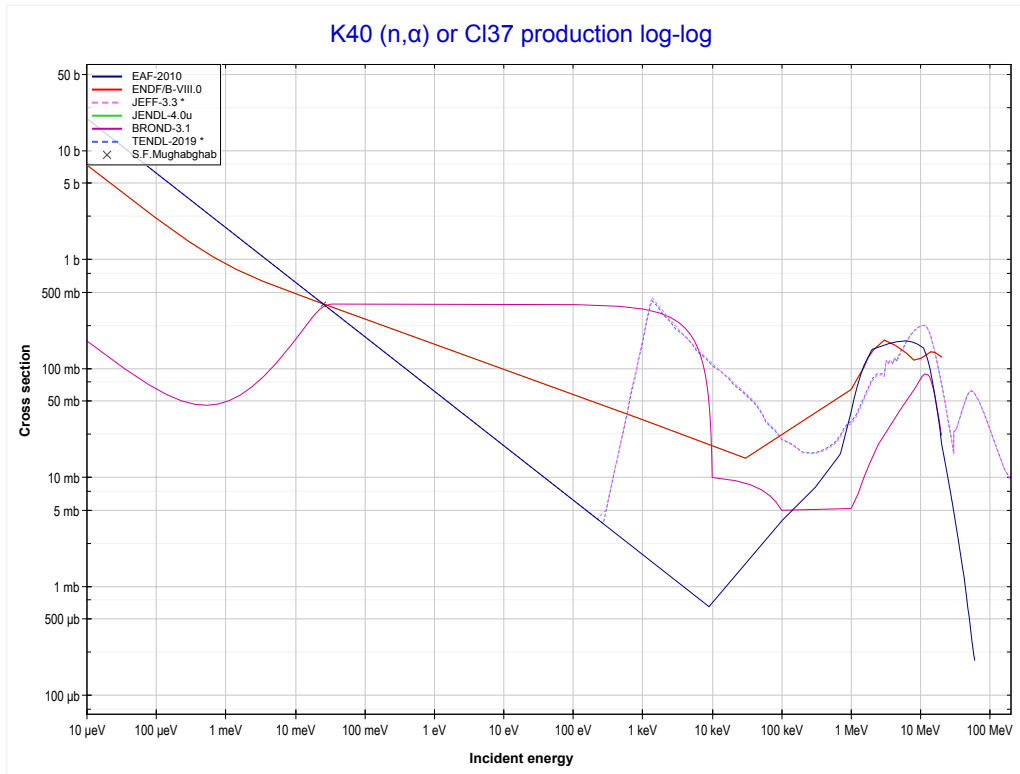
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 30.001 b | 29.9785 b | 29.979 b | 1.00002 | 14.4109 b | 0.00116394 b | 5.7E-4 b |
| ENDF/B-VIII.0 | 30.0068 b | 30.0068 b | 30.017 b | 1.00033 | 13.4638 b | 0.00158217 b | 4.12254E-6 b |
| JEFF-3.3 | 29.9707 b | 29.9707 b | 29.977 b | 1.00022 | 12.9105 b | 0.00261587 b | 8.839E-4 b |
| JENDL-4.0u | 30.0068 b | 30.0068 b | 30.017 b | 1.00033 | 13.4638 b | 0.00158217 b | 4.12254E-6 b |
| BROND-3.1 | 29.9725 b | 29.9725 b | 29.98 b | 1.00025 | 13.262 b | 0.00200726 b | 1.05319E-4 b |
| TENDL-2019 | 37.9486 b | 37.9486 b | 37.88 b | 0.9982 | 12.4856 b | 0.00261914 b | 8.8382E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 19-K-39 | 19-K-40 | 19-K-41 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ar40 production) | MT107 (n, α) >> |



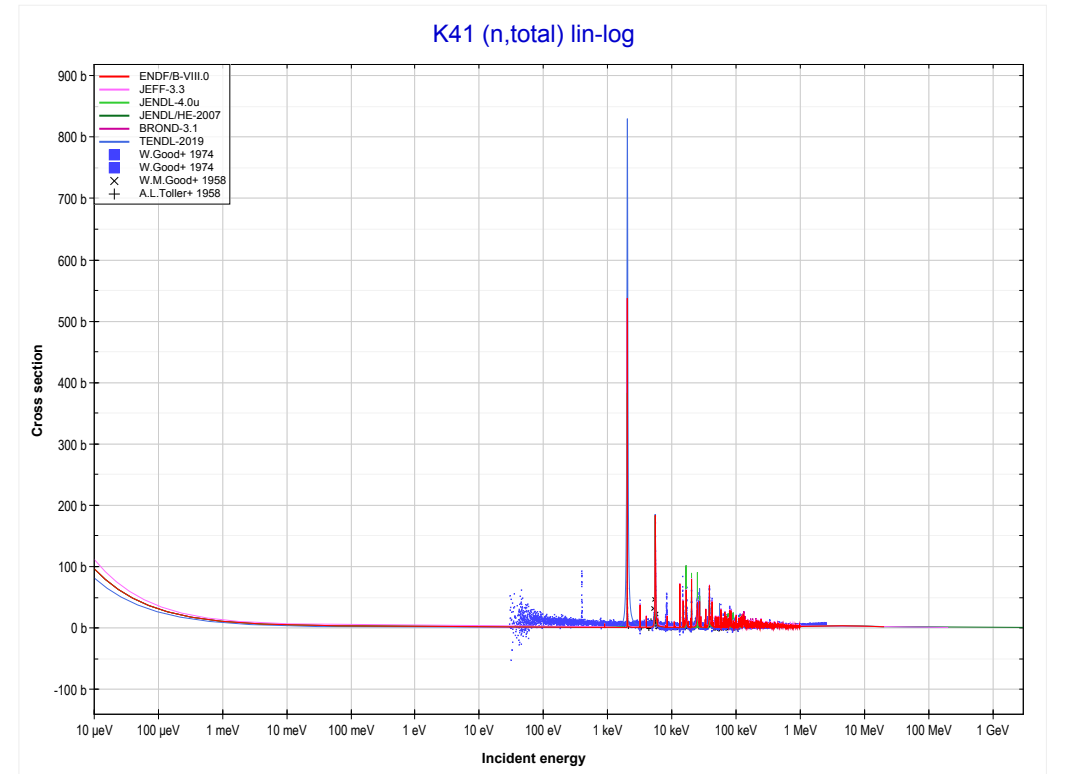
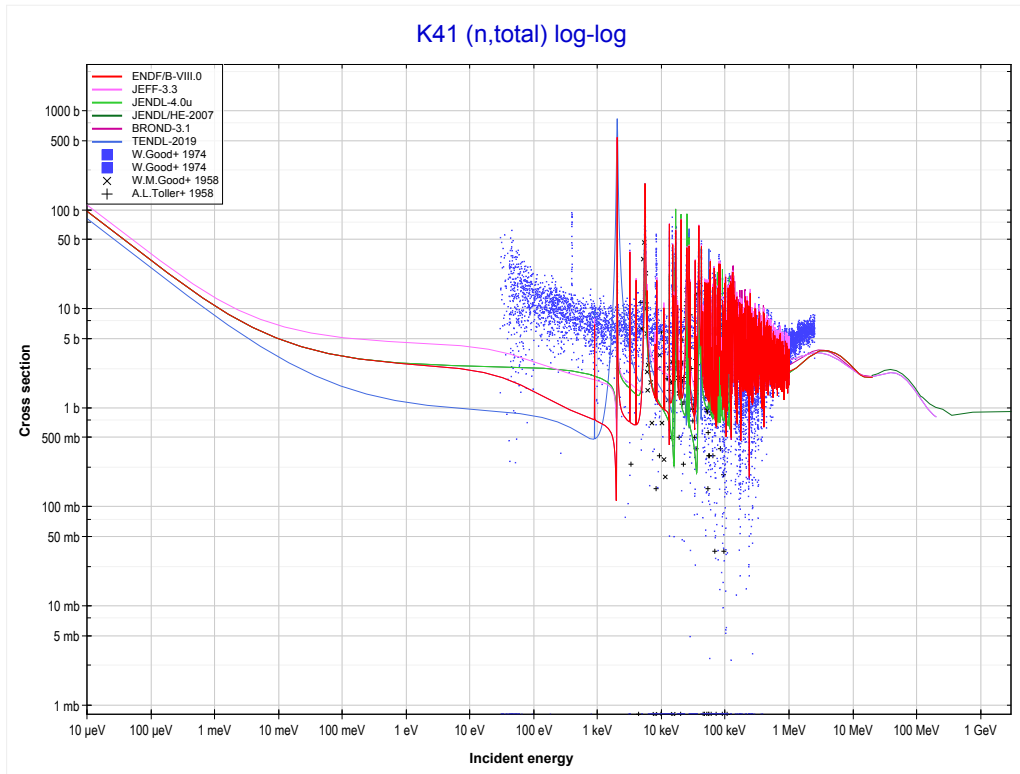
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 4.3891 b | 4.38581 b | 4.386 b | 1.00004 | 2.07089 b | 0.0538266 b | 0.0917124 b |
| ENDF/B-VIII.0 | 4.38513 b | 4.38513 b | 4.3421 b | 0.99019 | 1.28812 b | 0.0271943 b | 0.108482 b |
| JEFF-3.3 | 4.4049 b | 4.4049 b | 4.4033 b | 0.99964 | 2.16894 b | 0.0472883 b | 0.10937 b |
| JENDL-4.0u | 4.38513 b | 4.38513 b | 4.3421 b | 0.99019 | 1.28812 b | 0.0271943 b | 0.108482 b |
| BROND-3.1 | 4.15857 b | 4.15857 b | 4.388 b | 1.05518 | 4.80047 b | 0.0281589 b | 0.1 b |
| TENDL-2019 | 4.3943 b | 4.3943 b | 4.3941 b | 0.99994 | 2.16952 b | 0.0473717 b | 0.109496 b |

| | | |
|----------------|---|--------------------------|
| << 19-K-39 | 19-K-40 | 19-K-41 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Cl37 production) | 19-K-41 MT1 (n,total) >> |



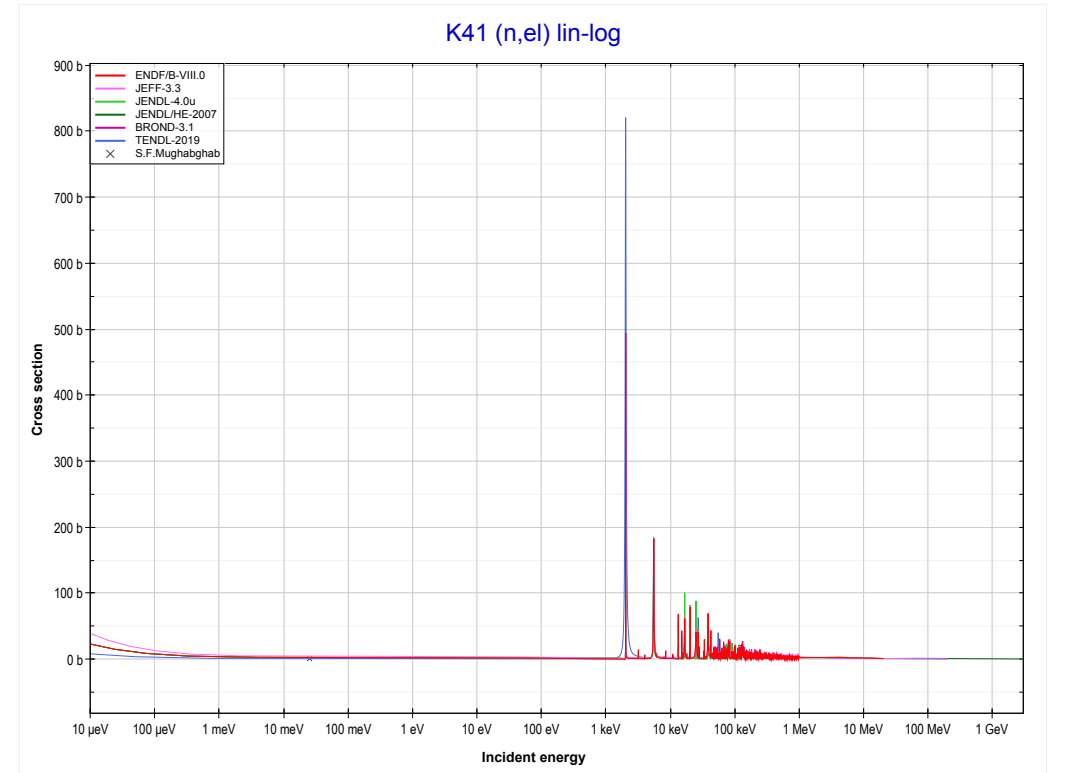
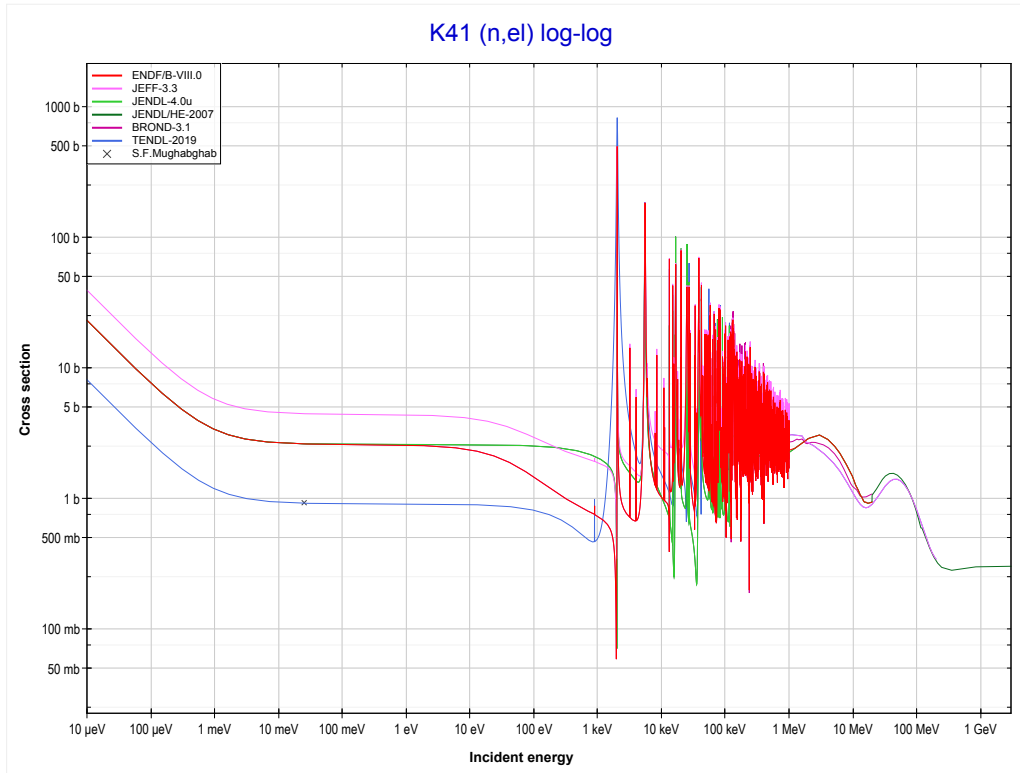
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.39 b | 0.389708 b | 0.38971 b | 1 | 0.178528 b | 0.0984555 b | 0.0921506 b |
| ENDF/B-VIII.0 | 0.3918 b | 0.3918 b | 0.40845 b | 1.04249 | 0.806876 b | 0.108402 b | 0.142379 b |
| JEFF-3.3 | 0.39116 b | 0.39116 b | 0.39102 b | 0.99964 | 0.928707 b | 0.0657496 b | 0.197791 b |
| JENDL-4.0u | 0.3918 b | 0.3918 b | 0.40845 b | 1.04249 | 0.806876 b | 0.108402 b | 0.142379 b |
| BROND-3.1 | 0.370588 b | 0.370588 b | 0.40109 b | 1.08231 | 3.50194 b | 0.0160407 b | 0.0785765 b |
| TENDL-2019 | 0.390317 b | 0.390317 b | 0.3903 b | 0.99994 | 0.900997 b | 0.0670417 b | 0.198632 b |

| | | |
|---------------------------------|----------------------|--------------------|
| << 19-K-39 | 19-K-41 | 20-Ca-Nat >> |
| << 19-K-40 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



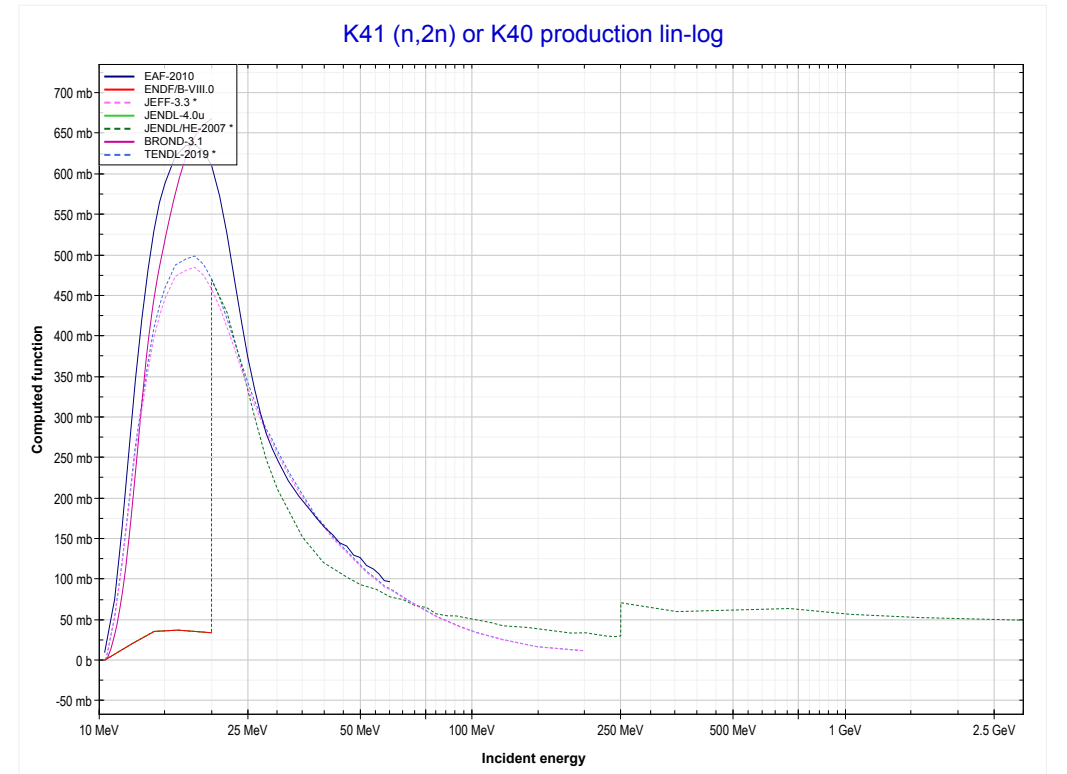
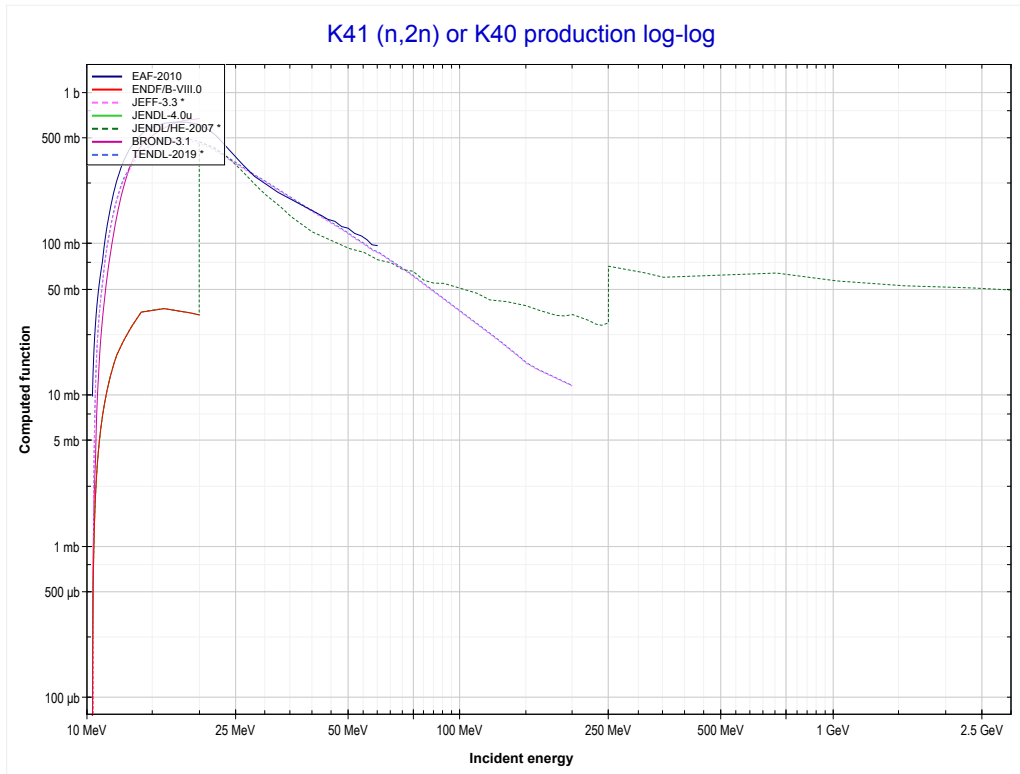
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.0571 b | 4.0571 b | 4.3899 b | 1.08202 | 35.4536 b | 3.05495 b | 2.0842 b |
| JEFF-3.3 | 5.86382 b | 5.86382 b | 6.4304 b | 1.09662 | 52.8813 b | 3.51642 b | 2.11284 b |
| JENDL-4.0u | 4.05736 b | 4.05736 b | 4.3912 b | 1.08227 | 36.3687 b | 2.86606 b | 2.08421 b |
| JENDL/HE-2007 | 4.05689 b | 4.05689 b | 4.3904 b | 1.08222 | 36.3722 b | 2.86458 b | 2.08421 b |
| BROND-3.1 | 4.0571 b | 4.0571 b | 4.3899 b | 1.08202 | 35.4536 b | 3.20142 b | 2.13359 b |
| TENDL-2019 | 2.37008 b | 2.37008 b | 2.4871 b | 1.04938 | 76.3477 b | 3.28016 b | 2.11284 b |

| | | |
|------------------|------------------------|----------------|
| << 19-K-39 | 19-K-41 | 20-Ca-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



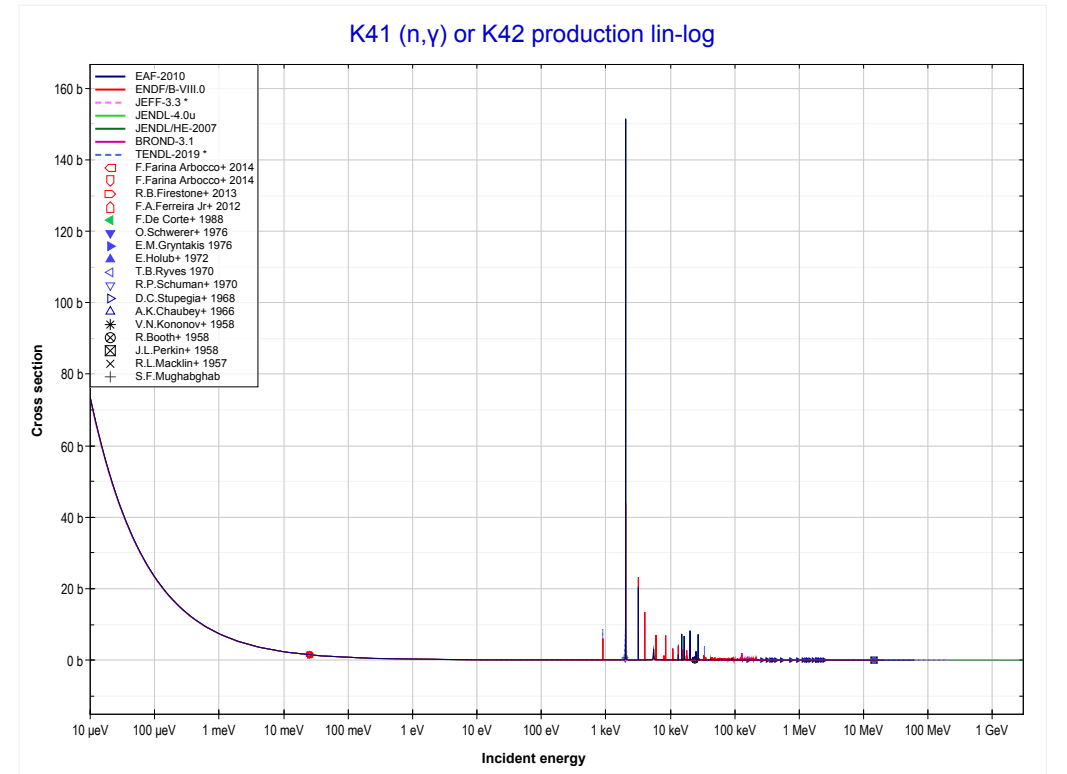
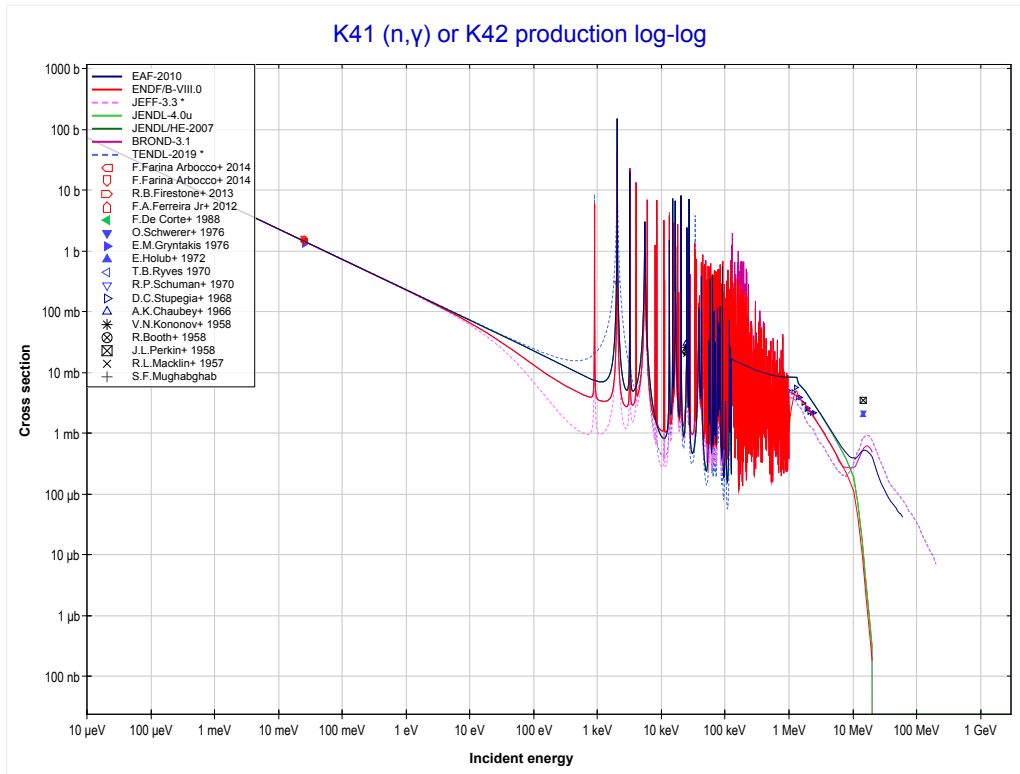
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.59617 b | 2.59617 b | 2.9285 b | 1.12803 | 34.4964 b | 2.70622 b | 1.00108 b |
| JEFF-3.3 | 4.42073 b | 4.42073 b | 4.987 b | 1.1281 | 51.9666 b | 2.94038 b | 0.864531 b |
| JENDL-4.0u | 2.59779 b | 2.59779 b | 2.9311 b | 1.1283 | 34.8177 b | 2.51395 b | 1.00108 b |
| JENDL/HE-2007 | 2.59779 b | 2.59779 b | 2.9312 b | 1.12836 | 34.8185 b | 2.51362 b | 1.00108 b |
| BROND-3.1 | 2.59617 b | 2.59617 b | 2.9285 b | 1.12803 | 34.4964 b | 2.6305 b | 1.01865 b |
| TENDL-2019 | 0.911316 b | 0.911316 b | 1.0283 b | 1.12833 | 74.9473 b | 2.70352 b | 0.864532 b |

| | | |
|--------------------|--|-------------------------|
| << 19-K-39 | 19-K-41 | 20-Ca-40 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (K40 production) | MT102 (n, γ) >> |



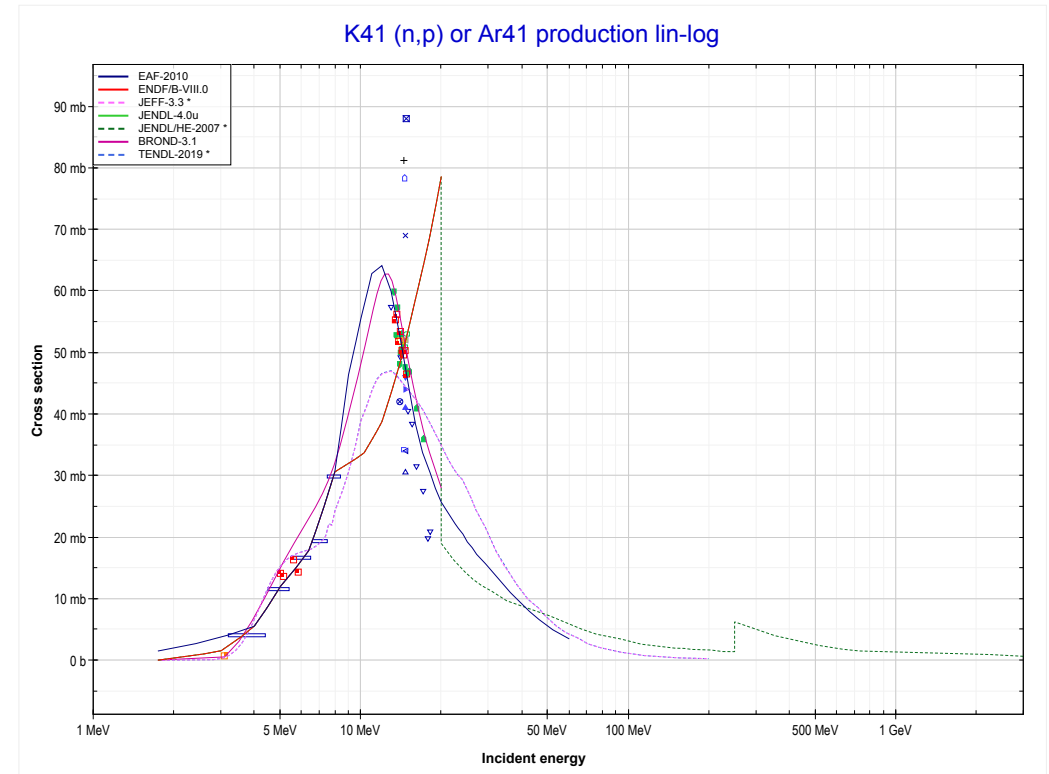
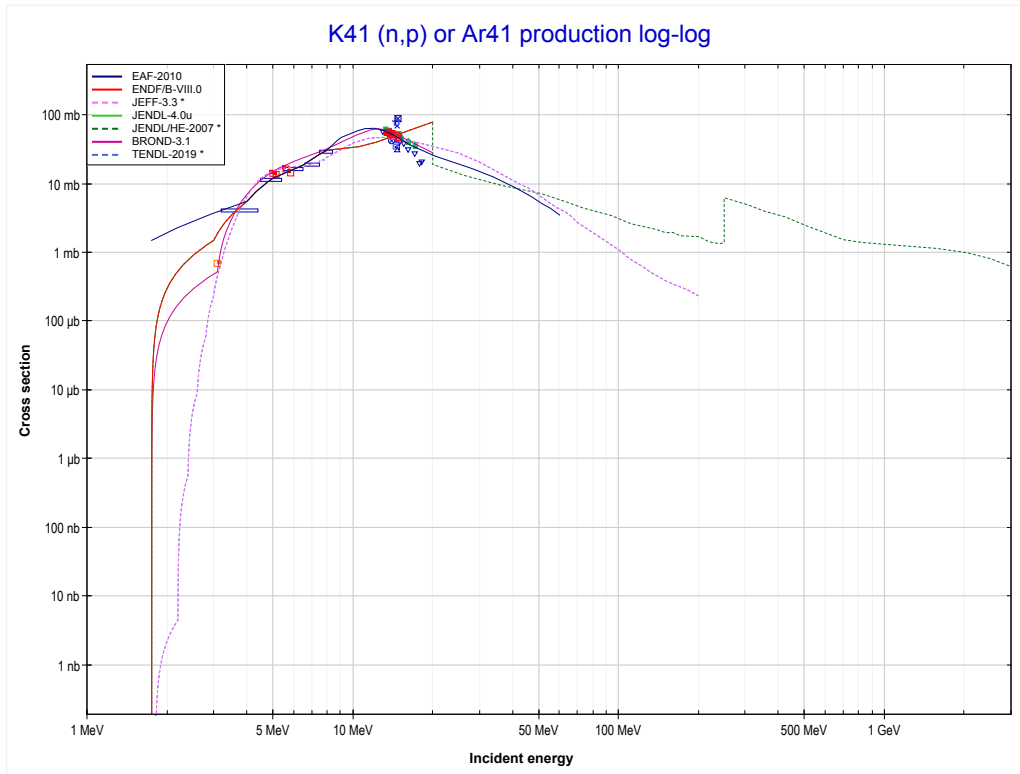
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.04655E-4 b | 0.528687 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13048E-5 b | 0.0353772 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22896E-4 b | 0.397063 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.13048E-5 b | 0.0353772 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13049E-5 b | 0.0353772 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07036E-4 b | 0.444324 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28808E-4 b | 0.408847 b |

| | | |
|----------------|--|----------------|
| << 19-K-40 | 19-K-41 | 20-Ca-Nat >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (K42 production) | MT103 (n,p) >> |



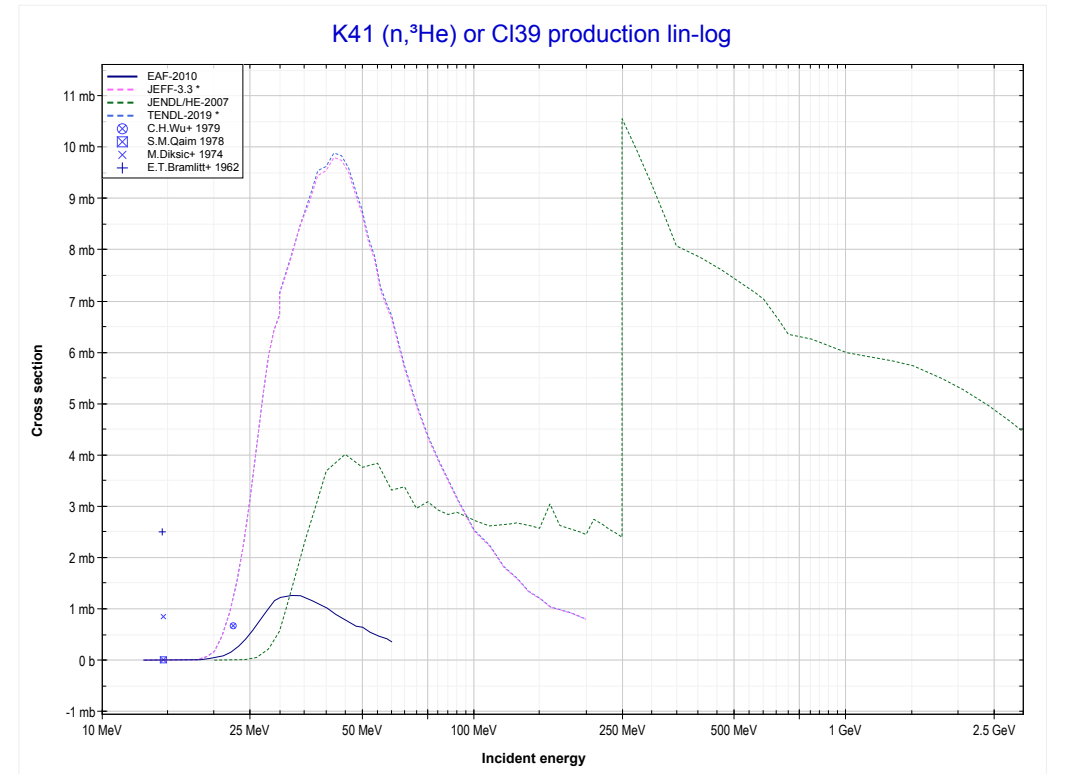
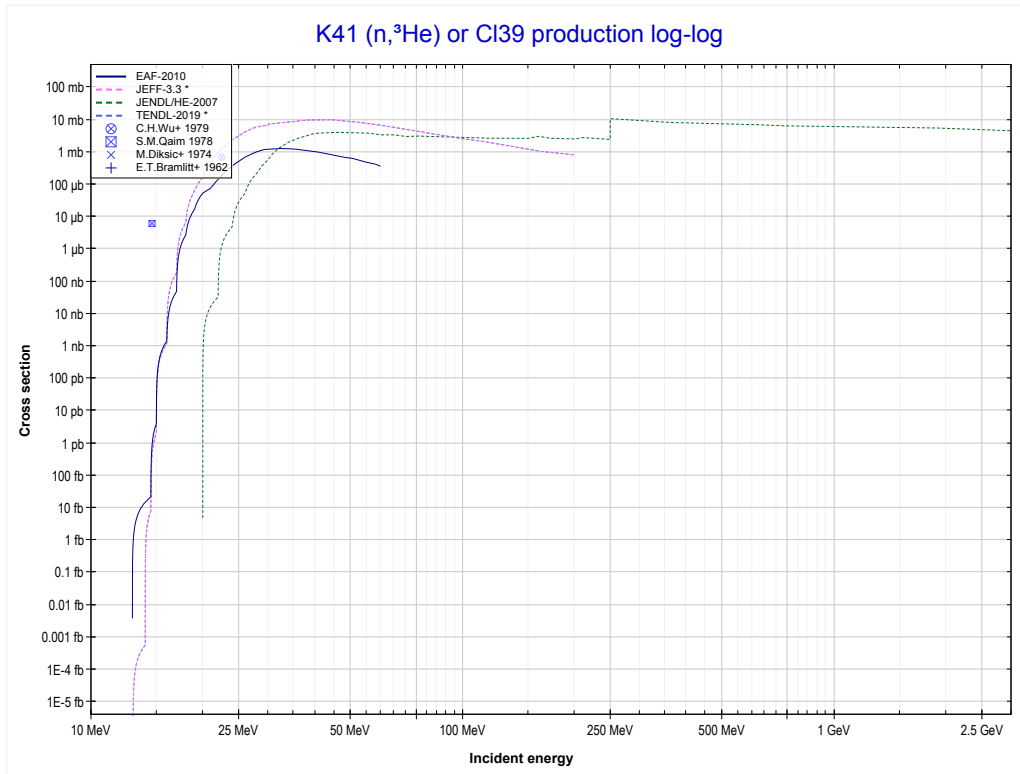
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.4612 b | 1.46022 b | 1.4632 b | 1.0021 | 1.55042 b | 0.00595981 b | 5.1689E-4 b |
| ENDF/B-VIII.0 | 1.46093 b | 1.46093 b | 1.4613 b | 1.00026 | 0.957176 b | 0.00258389 b | 1.034E-5 b |
| JEFF-3.3 | 1.44309 b | 1.44309 b | 1.4433 b | 1.00017 | 0.914718 b | 0.00219236 b | 8.14338E-4 b |
| JENDL-4.0u | 1.45957 b | 1.45957 b | 1.4601 b | 1.00034 | 1.55107 b | 0.00595152 b | 1.73951E-5 b |
| JENDL/HE-2007 | 1.45909 b | 1.45909 b | 1.4592 b | 1.00006 | 1.54951 b | 0.00594872 b | 1.73951E-5 b |
| BROND-3.1 | 1.46093 b | 1.46093 b | 1.4613 b | 1.00026 | 0.957176 b | 0.00270372 b | 5.09199E-4 b |
| TENDL-2019 | 1.45875 b | 1.45875 b | 1.4588 b | 1.00006 | 1.39991 b | 0.00261019 b | 8.14611E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 19-K-40 | 19-K-41 | 20-Ca-40 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ar41 production) | MT106 (n, ^3He) >> |



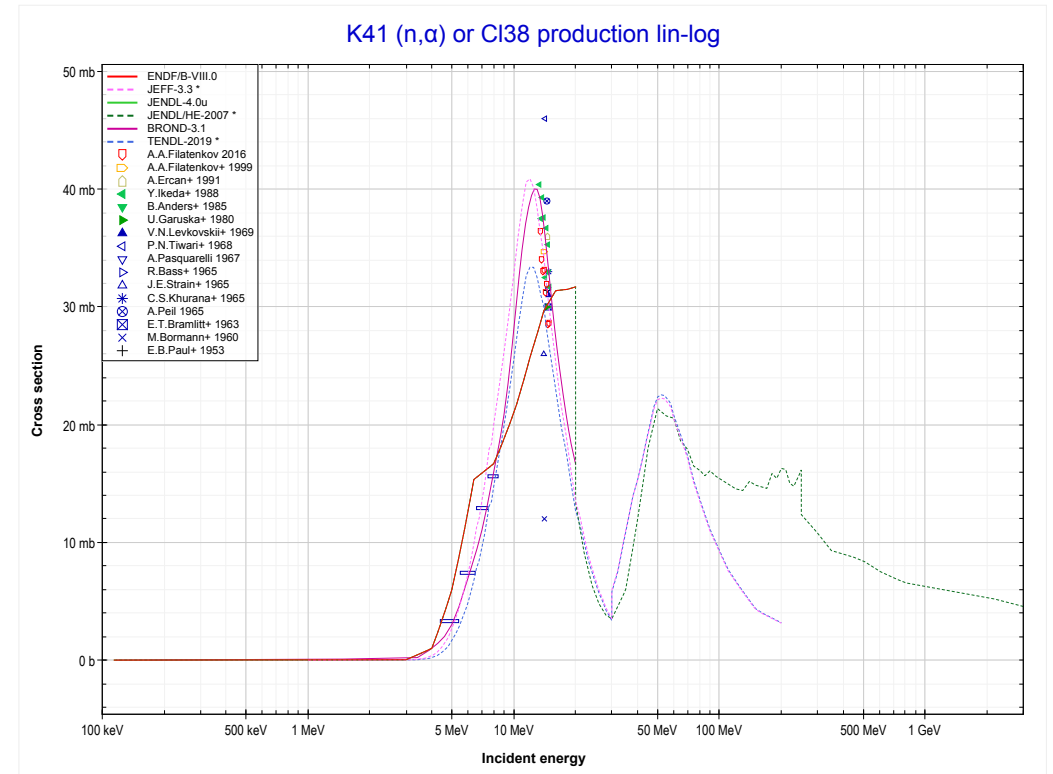
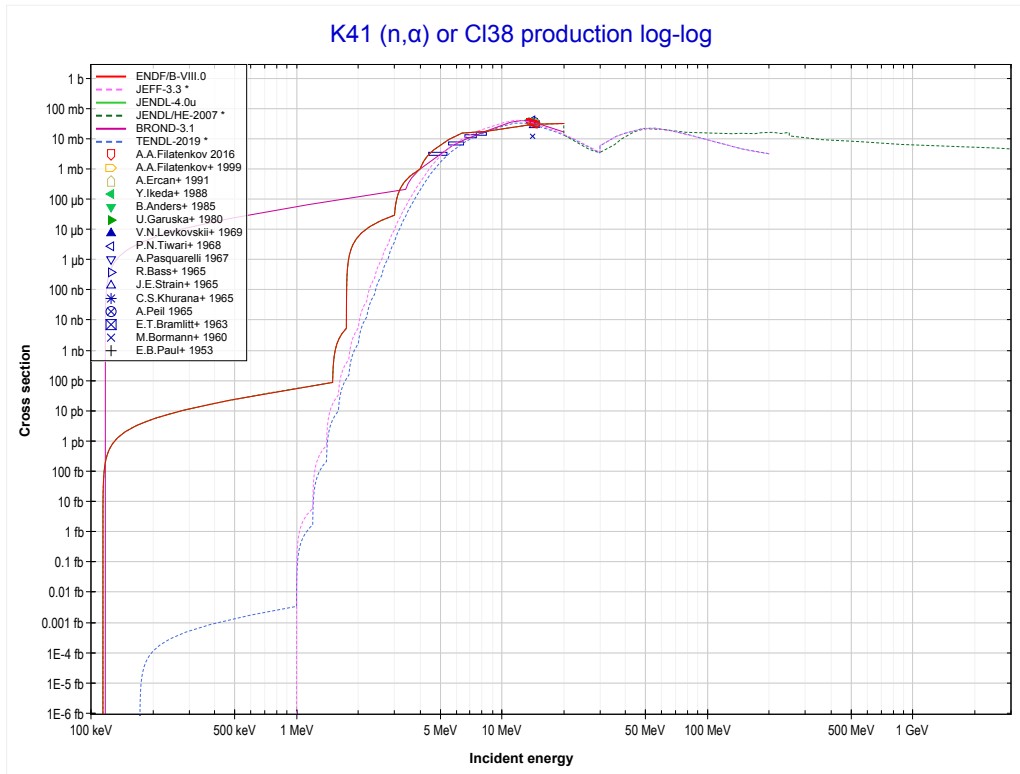
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00246922 b | 0.0527576 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211011 b | 0.0481571 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00201938 b | 0.0455654 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211011 b | 0.0481571 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211011 b | 0.0481571 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00236642 b | 0.0560005 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00202217 b | 0.0456407 b |

| | | |
|----------------|--|----------------|
| << 15-P-31 | 19-K-41 | 21-Sc-45 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Cl39 production) | MT107 (n,α) >> |



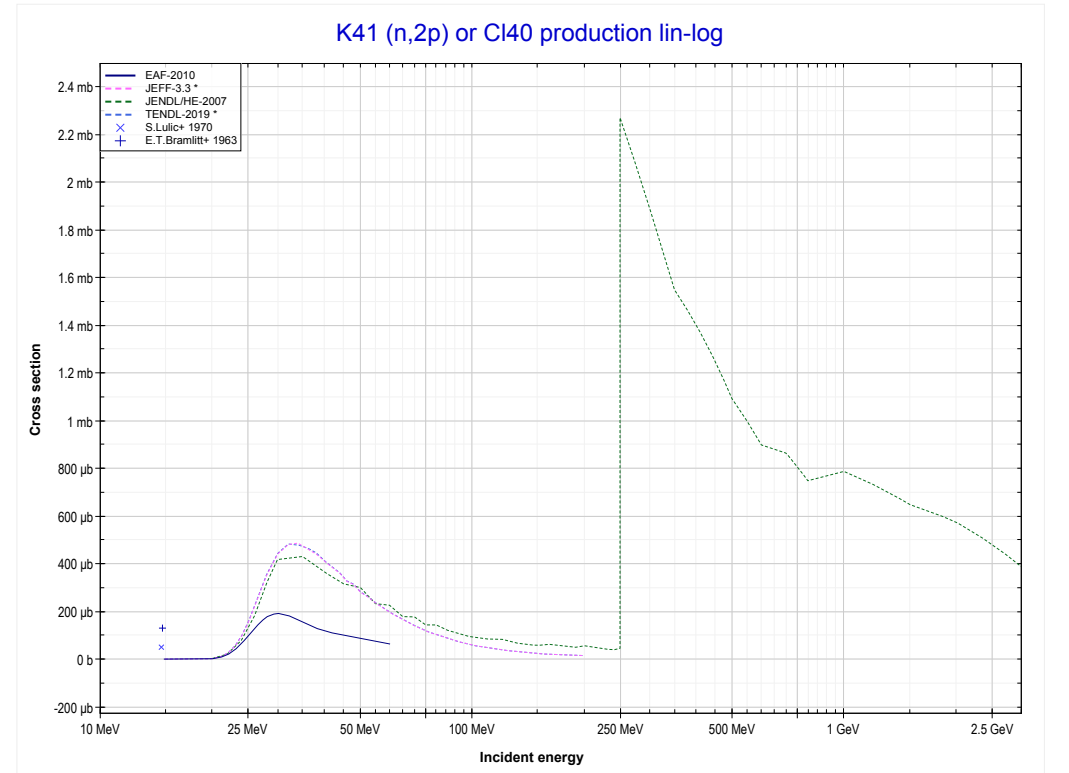
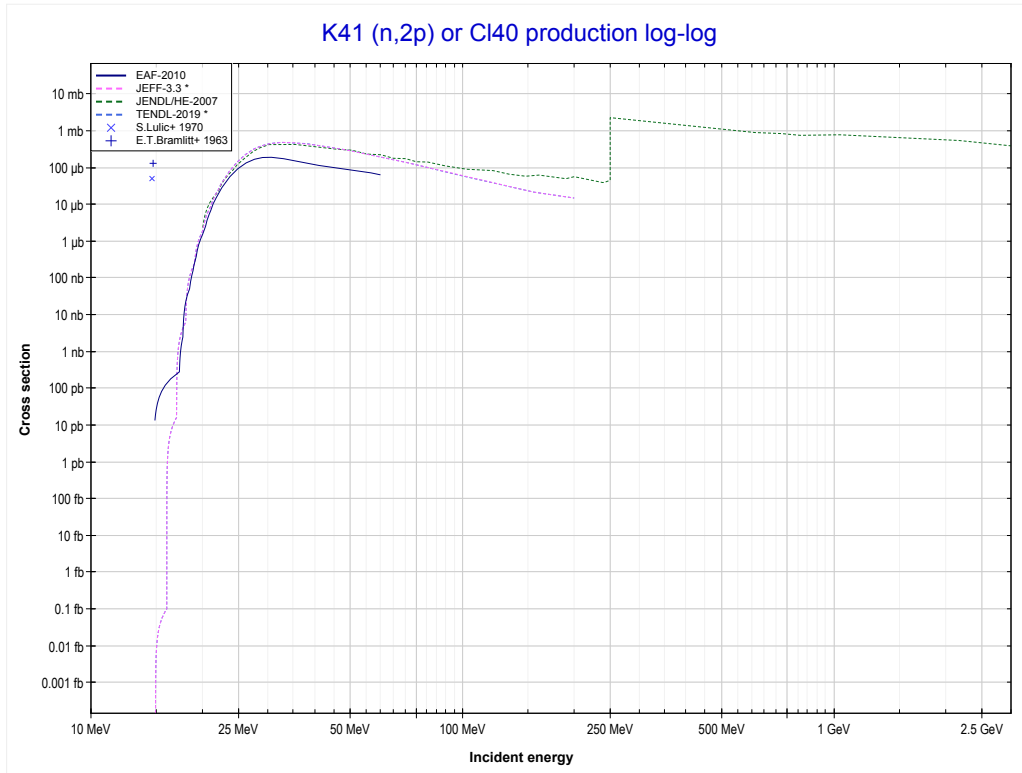
| Reaction | Q-Value |
|-----------------|---------------|
| K41(n,He3)Cl39 | -12619.24 keV |
| K41(n,p+d)Cl39 | -18112.72 keV |
| K41(n,n+2p)Cl39 | -20337.28 keV |

| | | |
|-------------------------------|---|-----------------|
| << 19-K-40 | 19-K-41 | 20-Ca-40 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Cl38 production) | MT111 (n,2p) >> |



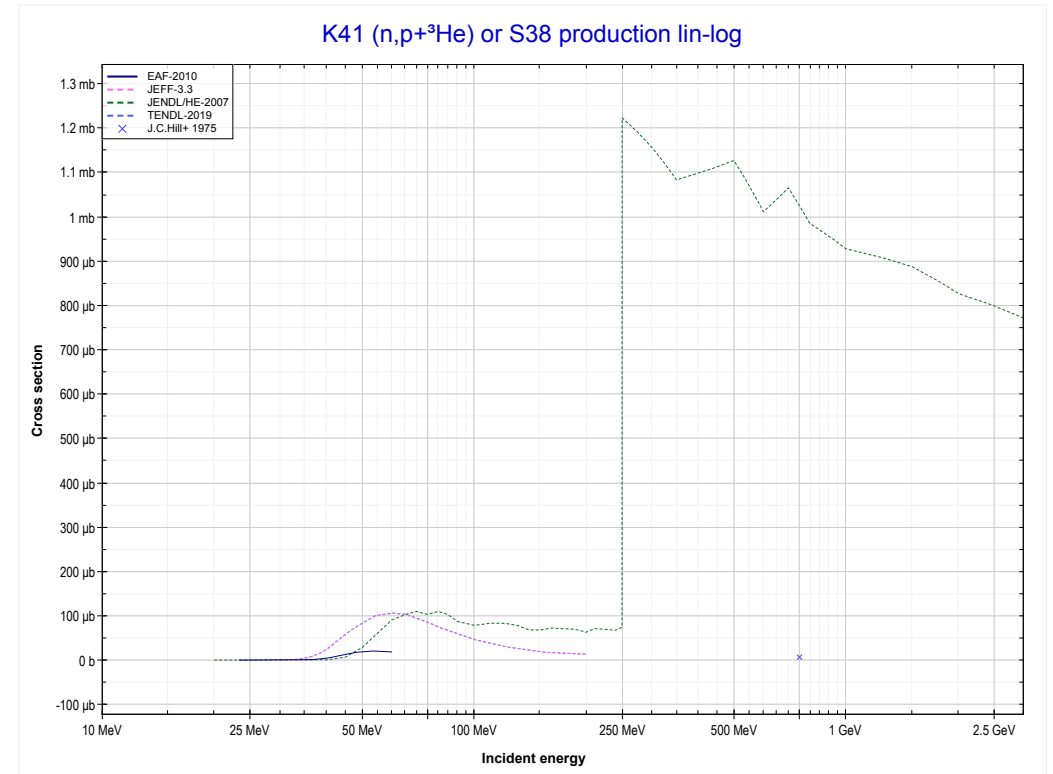
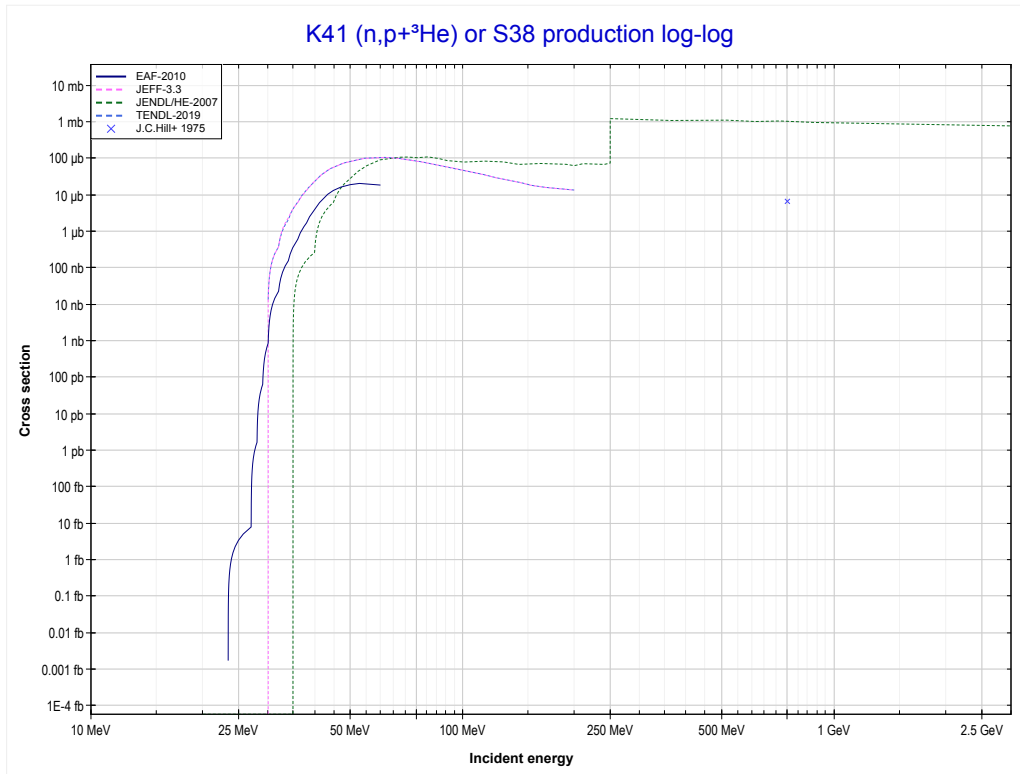
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.96156E-4 b | 0.0296696 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.11072E-4 b | 0.0344267 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.96156E-4 b | 0.0296696 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.96156E-4 b | 0.0296696 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.58683E-4 b | 0.036968 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99639E-4 b | 0.0300402 b |

| | | |
|-------------------------|--|--------------------------------|
| << 14-Si-29 | 19-K-41 | 21-Sc-45 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Cl40 production) | MT191 (n,p+ ^3He) >> |



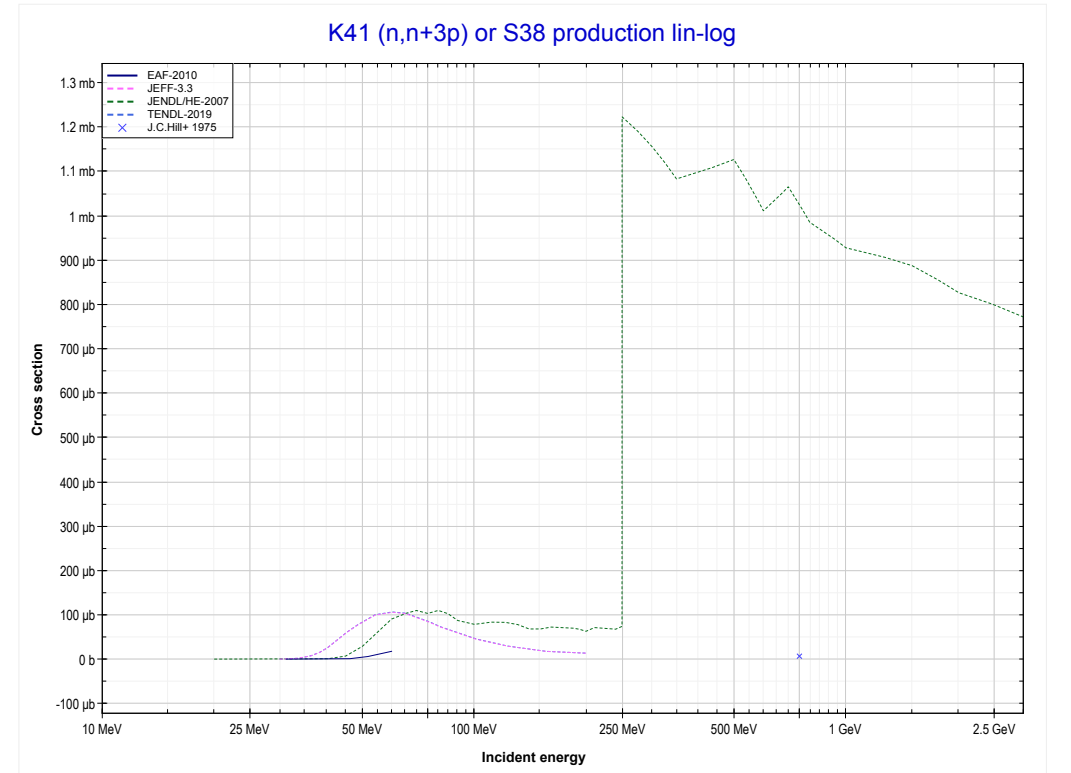
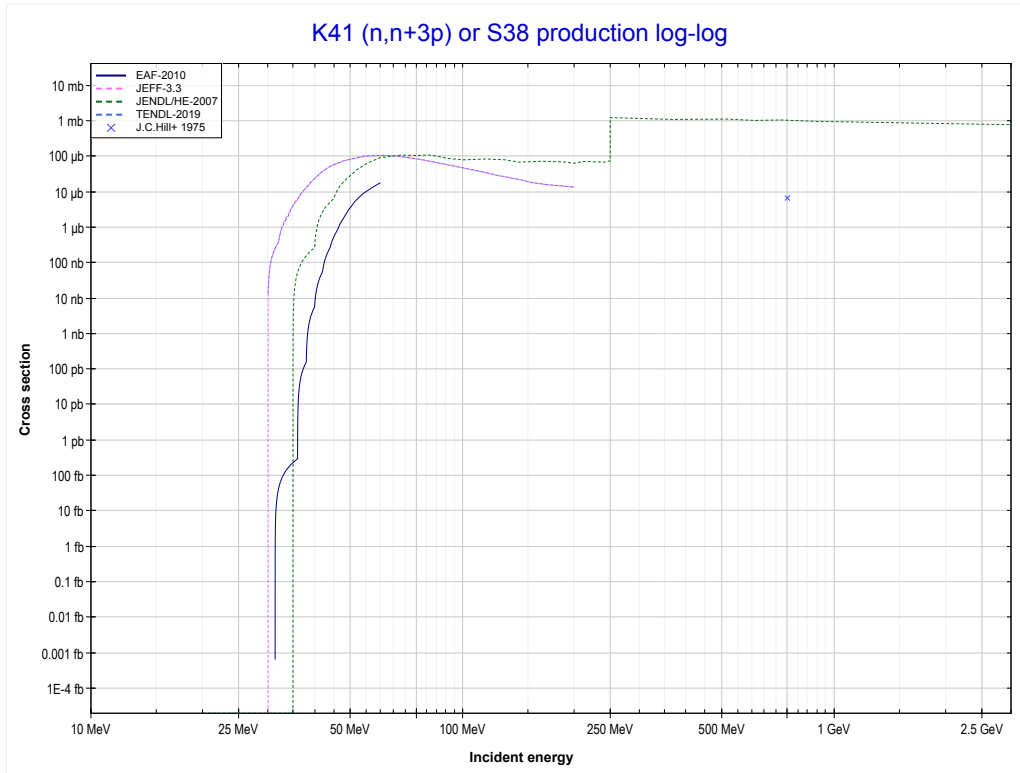
| Reaction | Q-Value |
|---------------|---------------|
| K41(n,2p)Cl40 | -14506.17 keV |

| | | |
|-----------------|---|-------------------|
| << 15-P-31 | 19-K-41 | 33-As-75 >> |
| << MT111 (n,2p) | MT191 (n,p+³He) or MT5 (S38 production) | MT198 (n,n+3p) >> |



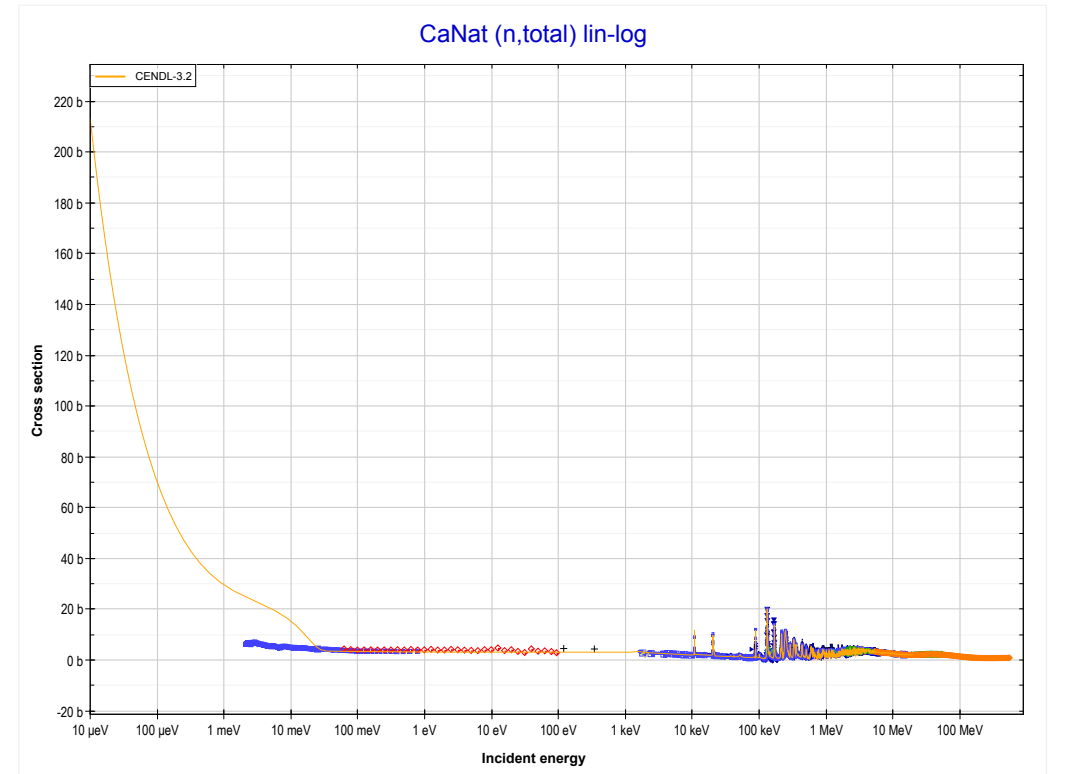
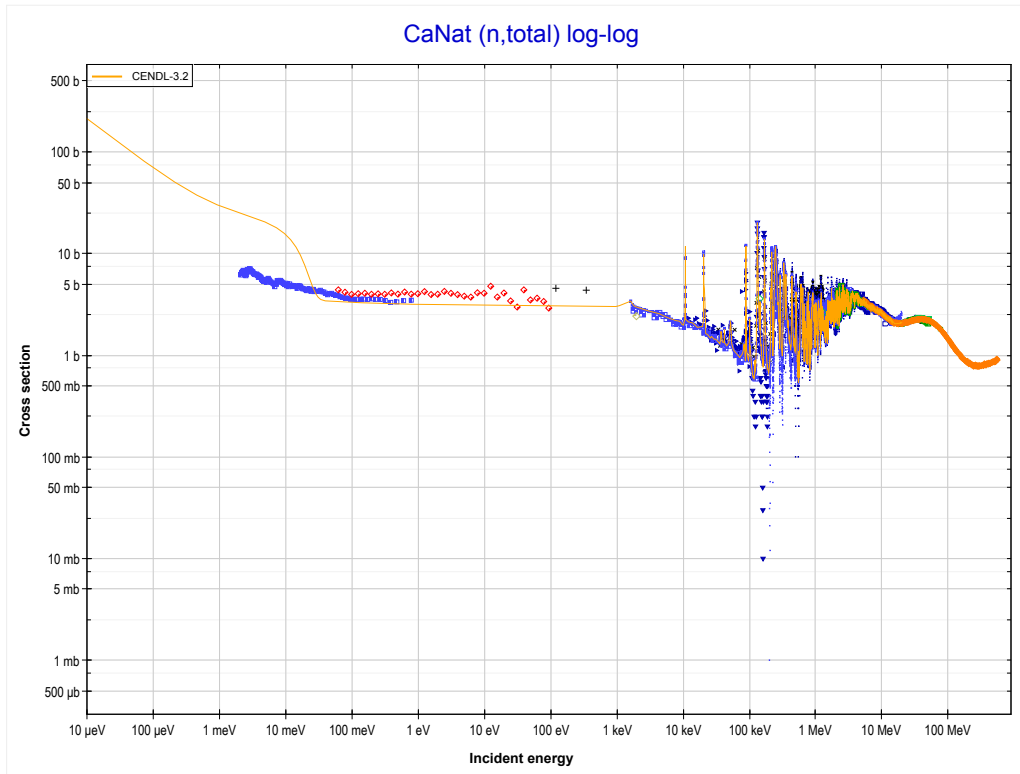
| Reaction | Q-Value |
|-----------------|---------------|
| K41(n,p+He3)S38 | -22847.41 keV |
| K41(n,2p+d)S38 | -28340.89 keV |
| K41(n,n+3p)S38 | -30565.45 keV |

| | | |
|---------------------------------|---|----------------------------|
| << 15-P-31 | 19-K-41 | 33-As-75 >> |
| << MT191 (n,p+ ³ He) | MT198 (n,n+3p) or MT5 (S38 production) | 20-Ca-Nat MT1 (n,total) >> |



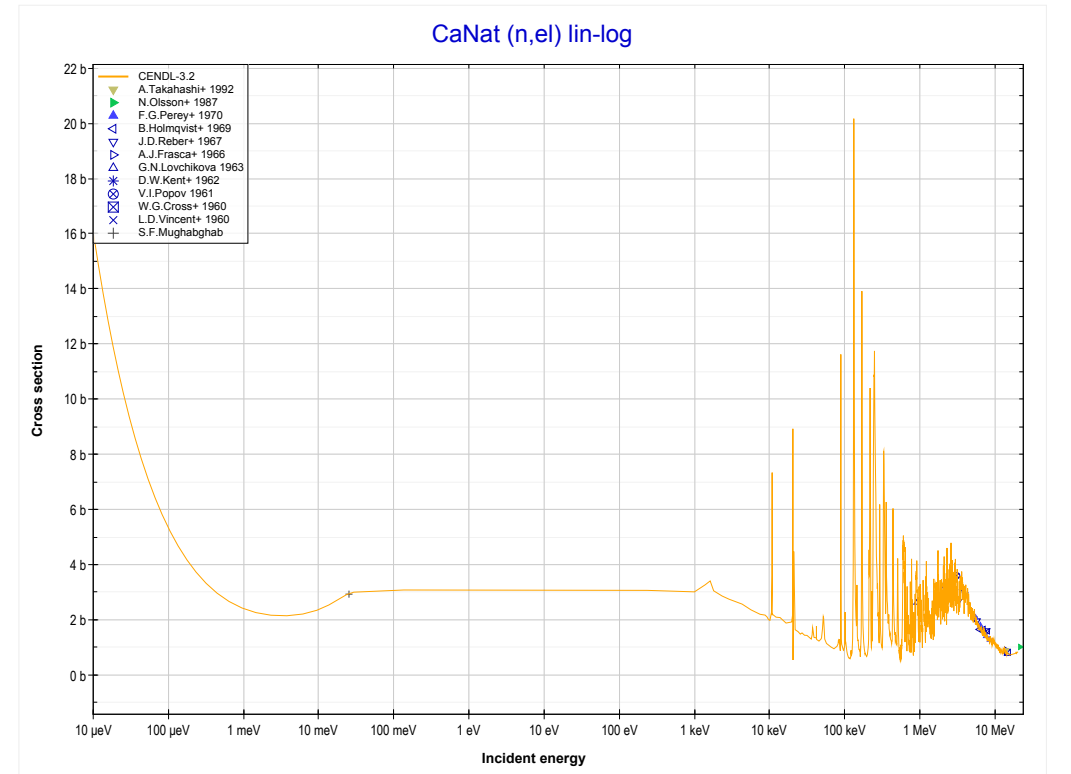
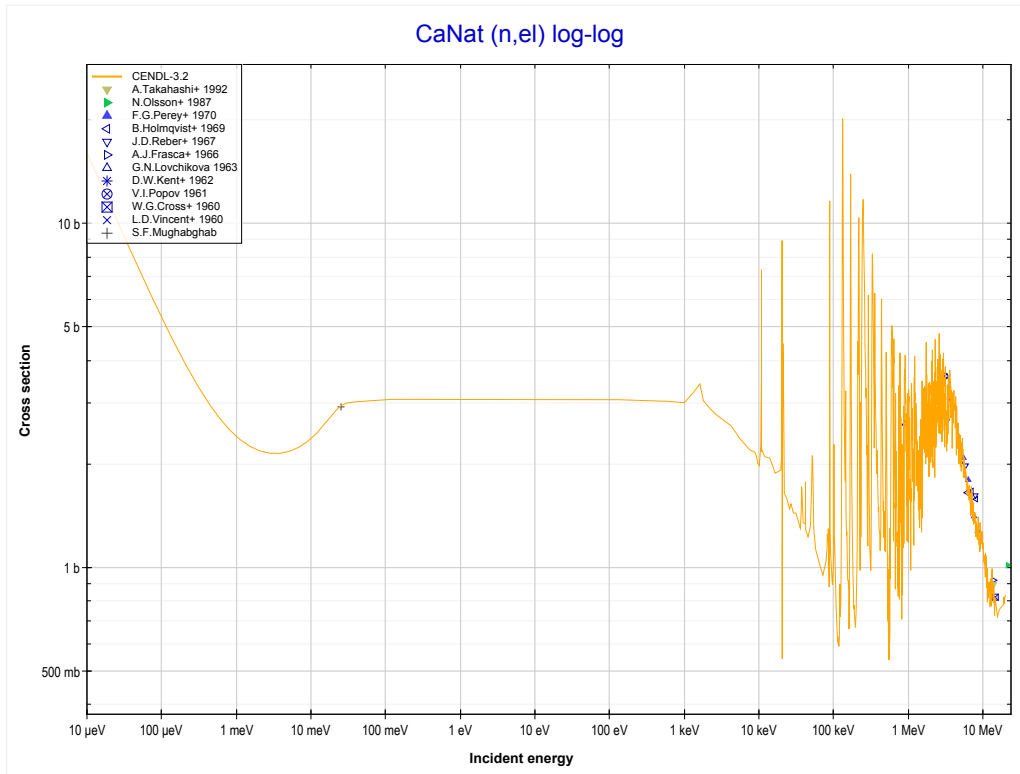
| Reaction | Q-Value |
|-----------------|---------------|
| K41(n,p+He3)S38 | -22847.41 keV |
| K41(n,2p+d)S38 | -28340.89 keV |
| K41(n,n+3p)S38 | -30565.45 keV |

| | | |
|---------------------------|----------------------|--------------------|
| << 19-K-41 | 20-Ca-Nat | 20-Ca-40 >> |
| << 19-K-41 MT198 (n,n+3p) | MT1 (n,total) | MT2 (n,elastic) >> |



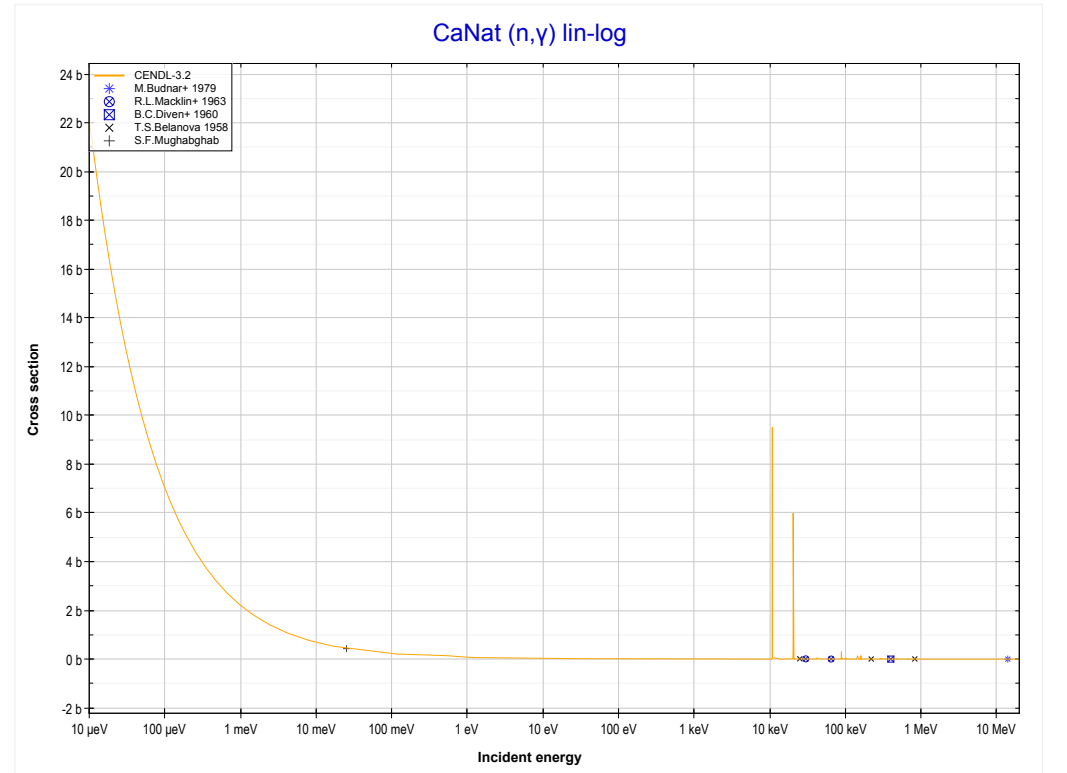
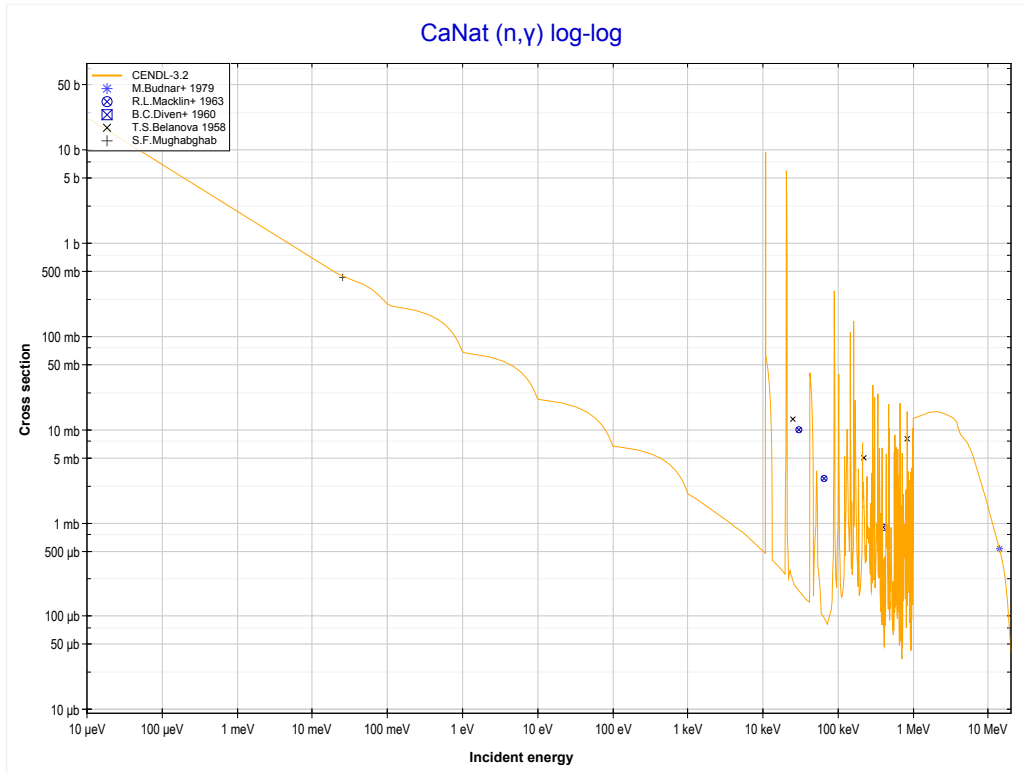
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 4.77884 b | 4.77884 b | 6.27 b | 1.31203 | 33.691 b | 2.73746 b | 2.2428 b |

| | | |
|------------------|------------------------|-------------------------|
| << 19-K-41 | 20-Ca-Nat | 20-Ca-40 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



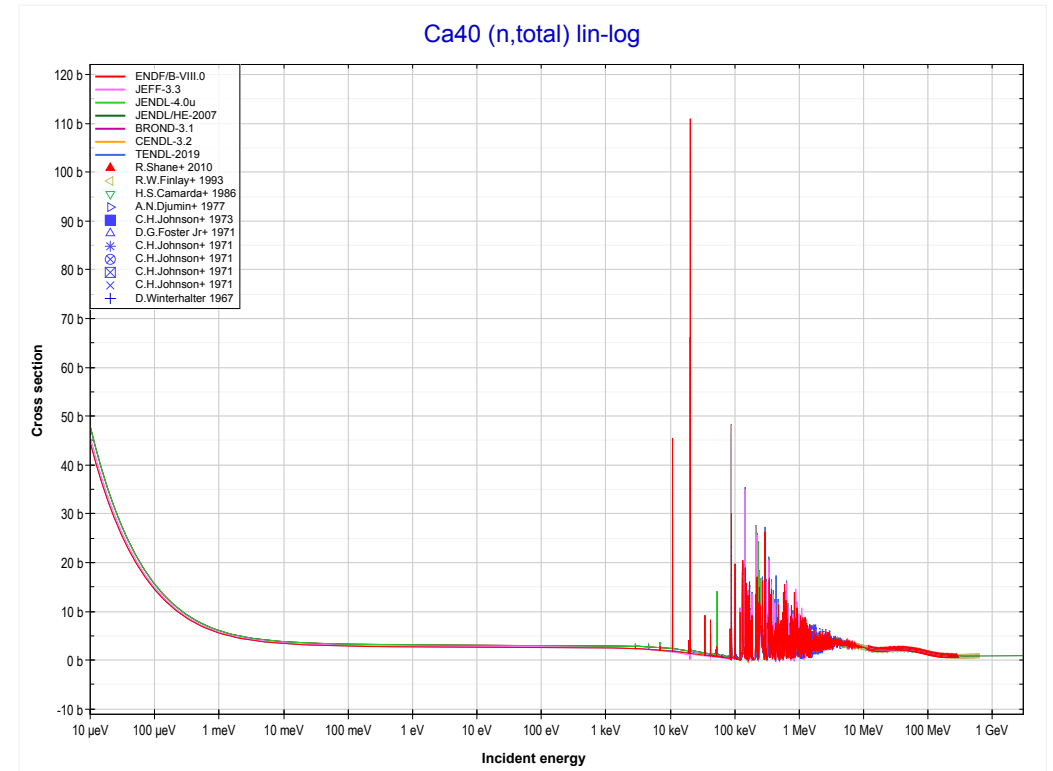
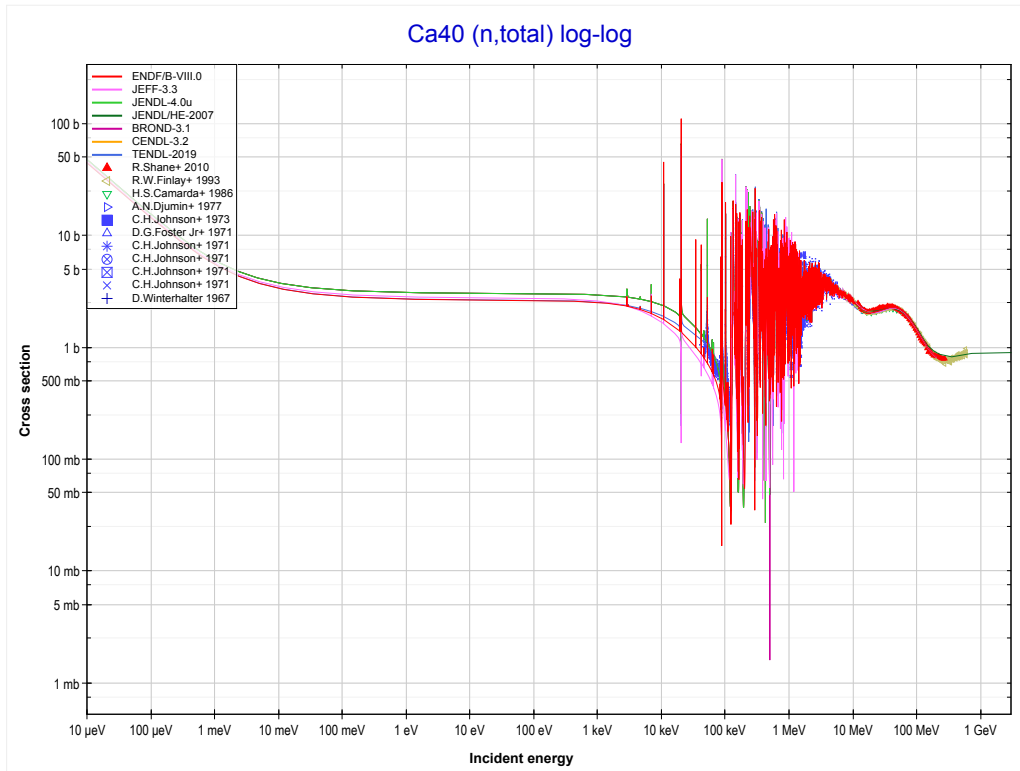
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 2.95145 b | 2.95145 b | 3.3033 b | 1.11922 | 33.3285 b | 2.51926 b | 0.8745 b |

| | | |
|--------------------|--------------------------------------|---------------------------|
| << 19-K-41 | 20-Ca-Nat | 20-Ca-40 >> |
| << MT2 (n,elastic) | MT102 (n,γ) | 20-Ca-40 MT1 (n,total) >> |



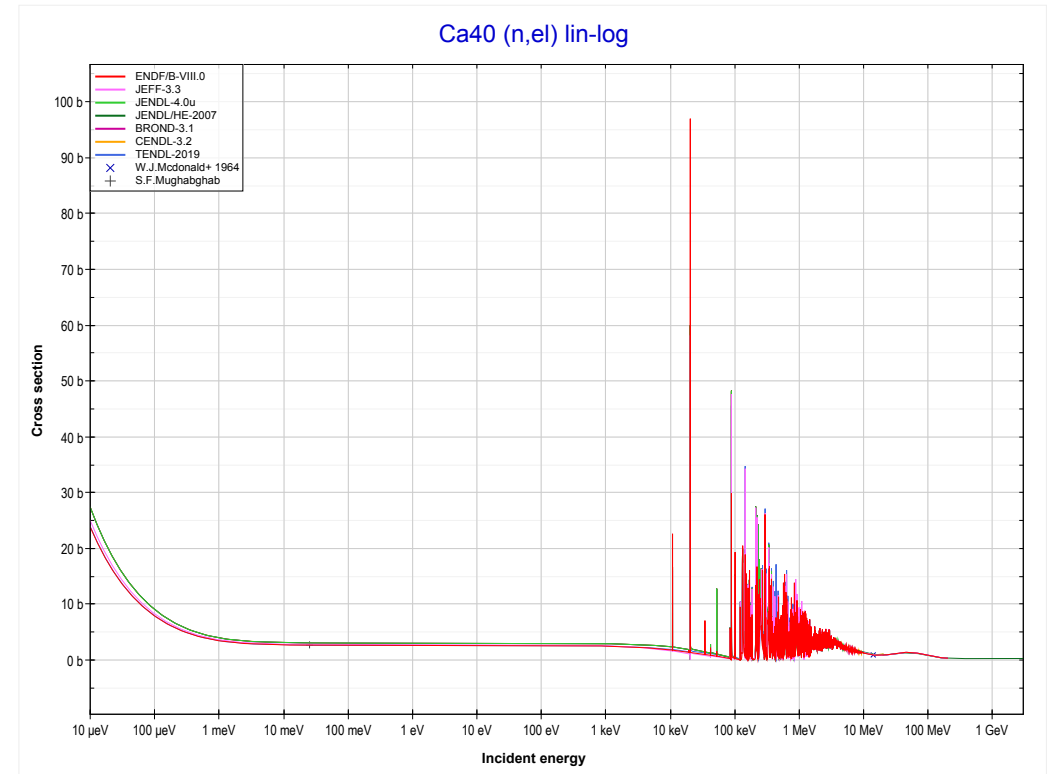
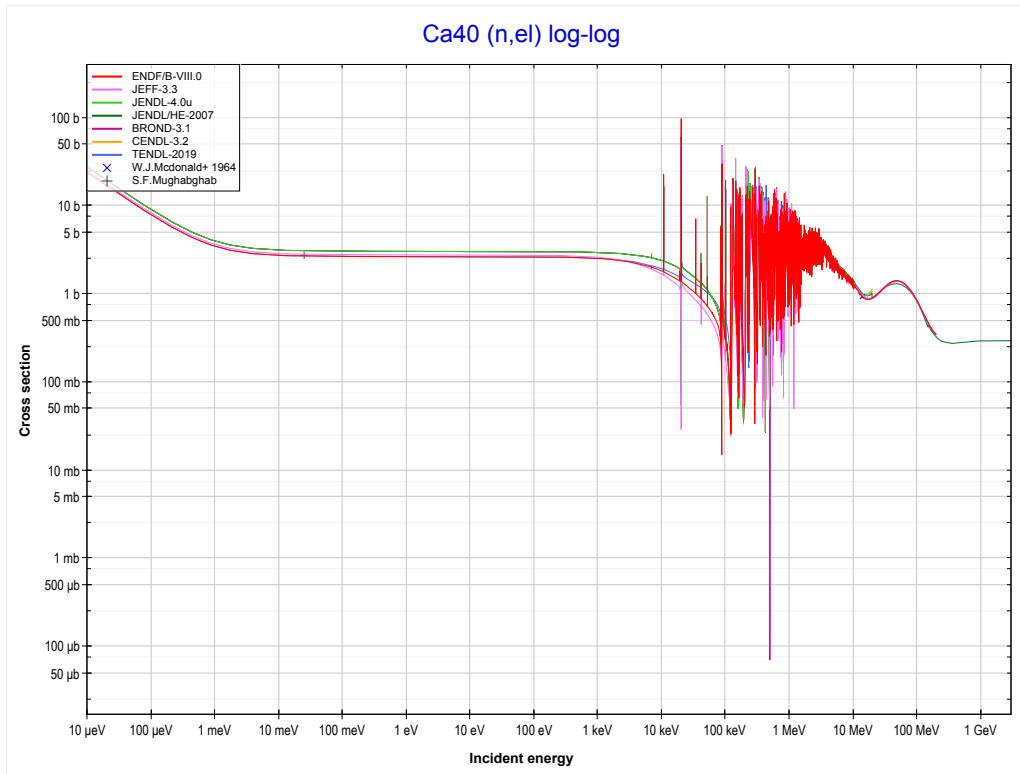
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0.442949 b | 0.442949 b | 0.45977 b | 1.03799 | 0.35421 b | 0.0097374 b | 5.3313E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 20-Ca-Nat | 20-Ca-40 | 20-Ca-42 >> |
| << 20-Ca-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



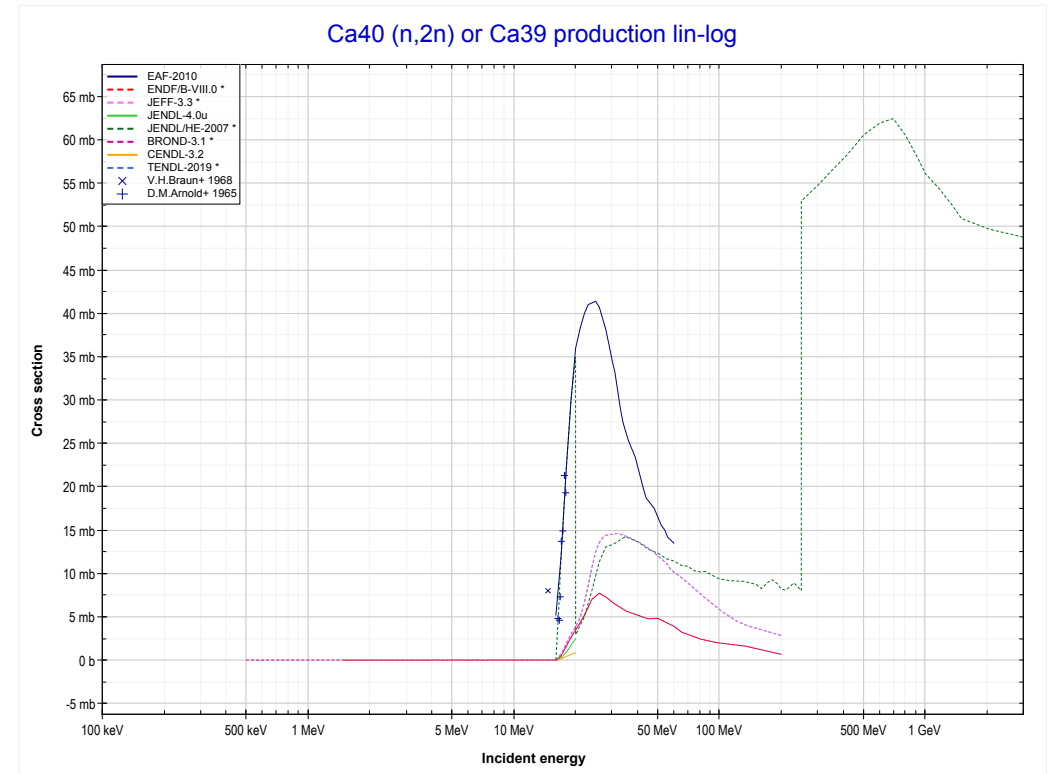
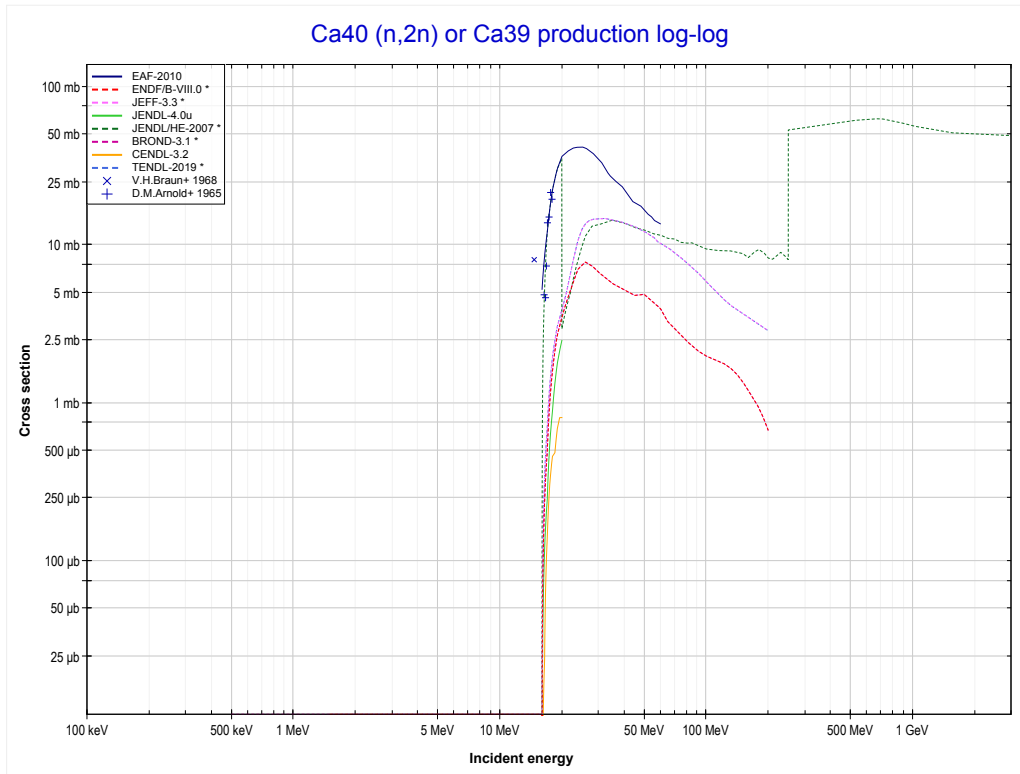
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.07548 b | 3.07548 b | 3.4173 b | 1.11115 | 27.945 b | 2.74661 b | 2.1567 b |
| JEFF-3.3 | 3.20751 b | 3.20751 b | 3.5661 b | 1.11179 | 28.4728 b | 2.98679 b | 2.19987 b |
| JENDL-4.0u | 3.46775 b | 3.46775 b | 3.8605 b | 1.11326 | 33.1447 b | 2.86692 b | 2.15358 b |
| JENDL/HE-2007 | 3.46762 b | 3.46762 b | 3.8605 b | 1.11329 | 33.1617 b | 2.86711 b | 2.15358 b |
| BROND-3.1 | 3.47015 b | 3.47015 b | 3.8629 b | 1.11318 | 33.1455 b | 2.83154 b | 2.1567 b |
| CENDL-3.2 | 3.46762 b | 3.46762 b | 3.8605 b | 1.11329 | 33.1617 b | 2.86365 b | 2.17075 b |
| TENDL-2019 | 3.08505 b | 3.08505 b | 3.4281 b | 1.1112 | 28.6819 b | 2.94792 b | 2.20008 b |

| | | |
|------------------|------------------------|----------------|
| << 20-Ca-Nat | 20-Ca-40 | 20-Ca-42 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



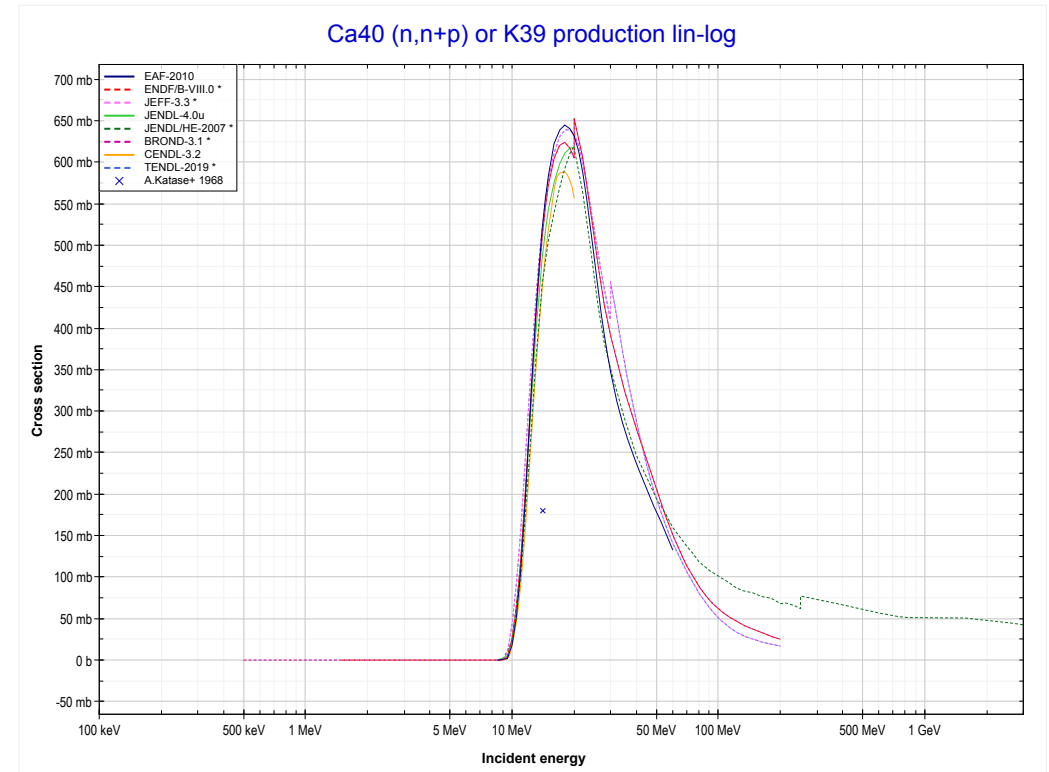
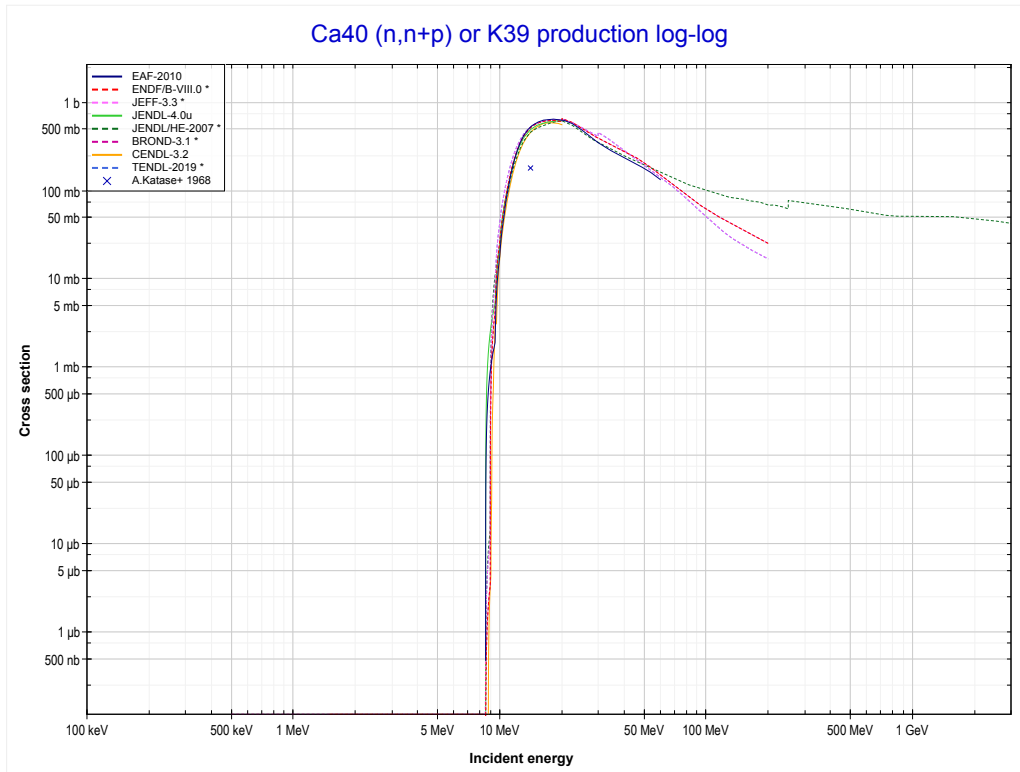
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.66294 b | 2.66294 b | 3.0046 b | 1.1283 | 27.7159 b | 2.54689 b | 0.912488 b |
| JEFF-3.3 | 2.79363 b | 2.79363 b | 3.1521 b | 1.1283 | 28.2647 b | 2.79072 b | 0.974894 b |
| JENDL-4.0u | 3.06012 b | 3.06012 b | 3.4527 b | 1.1283 | 32.939 b | 2.68615 b | 0.994775 b |
| JENDL/HE-2007 | 3.06012 b | 3.06012 b | 3.4529 b | 1.12836 | 32.9493 b | 2.65216 b | 1.0082 b |
| BROND-3.1 | 3.06012 b | 3.06012 b | 3.4527 b | 1.1283 | 32.9387 b | 2.63219 b | 0.912488 b |
| CENDL-3.2 | 3.06012 b | 3.06012 b | 3.4529 b | 1.12836 | 32.9493 b | 2.66226 b | 0.960908 b |
| TENDL-2019 | 2.67231 b | 2.67231 b | 3.0153 b | 1.12836 | 28.4682 b | 2.75291 b | 0.974882 b |

| | | |
|--------------------|---|-----------------|
| << 19-K-41 | 20-Ca-40 | 20-Ca-48 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ca39 production) | MT28 (n,n+p) >> |



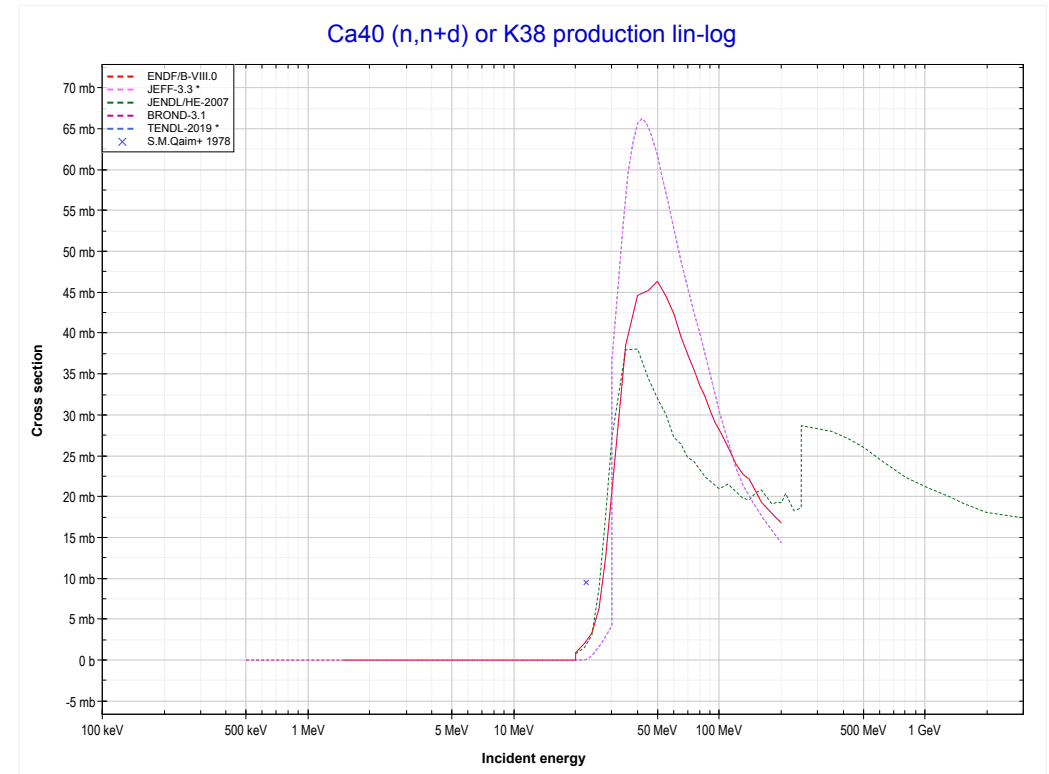
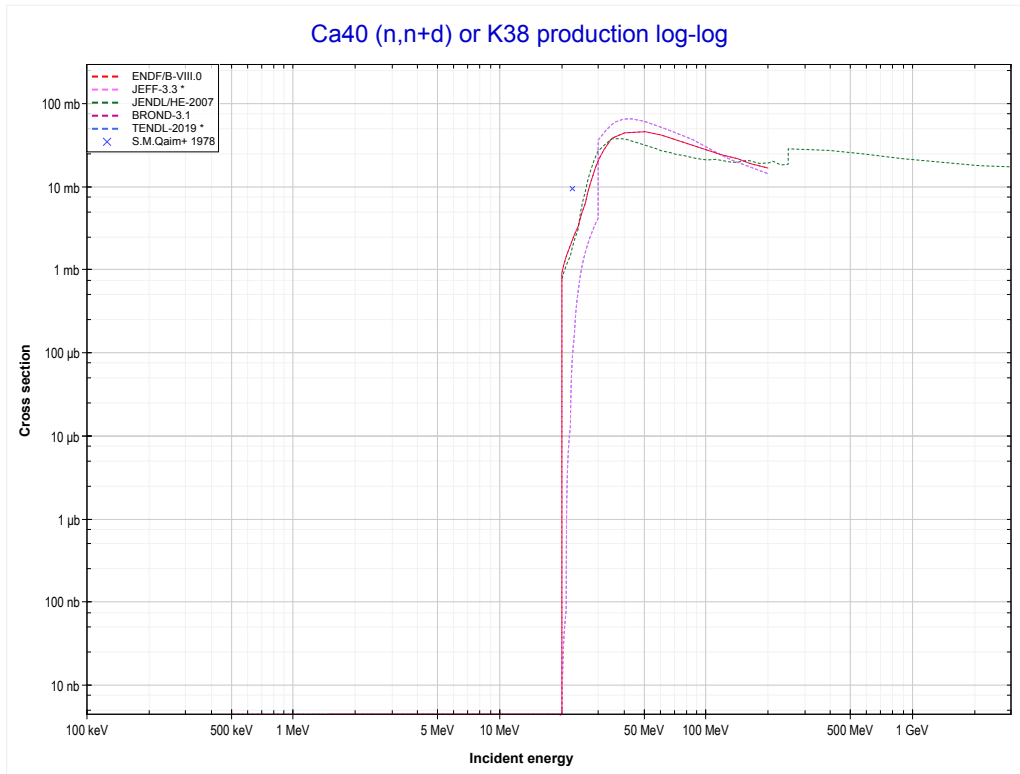
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.39015E-7 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24535E-8 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.74877E-8 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.33231E-8 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.34586E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24535E-8 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.75313E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76705E-8 b | 0 b |

| | | |
|----------------|---|-----------------|
| << 19-K-39 | 20-Ca-40 | 20-Ca-44 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (K39 production) | MT32 (n,n+d) >> |



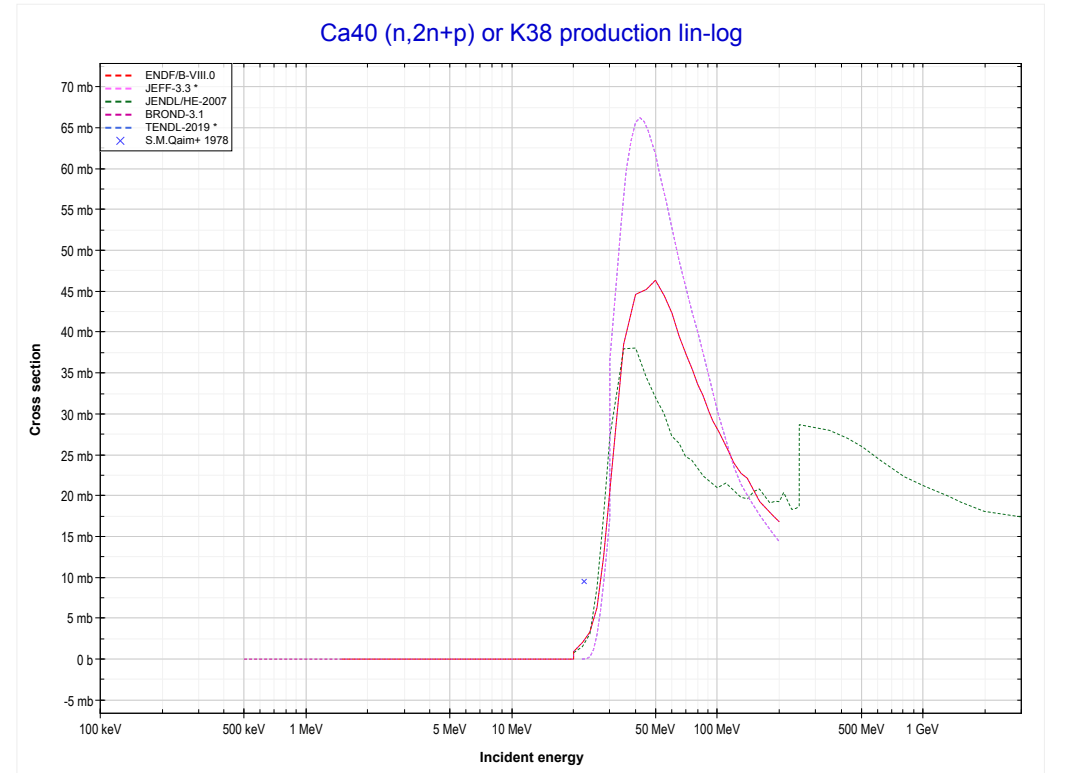
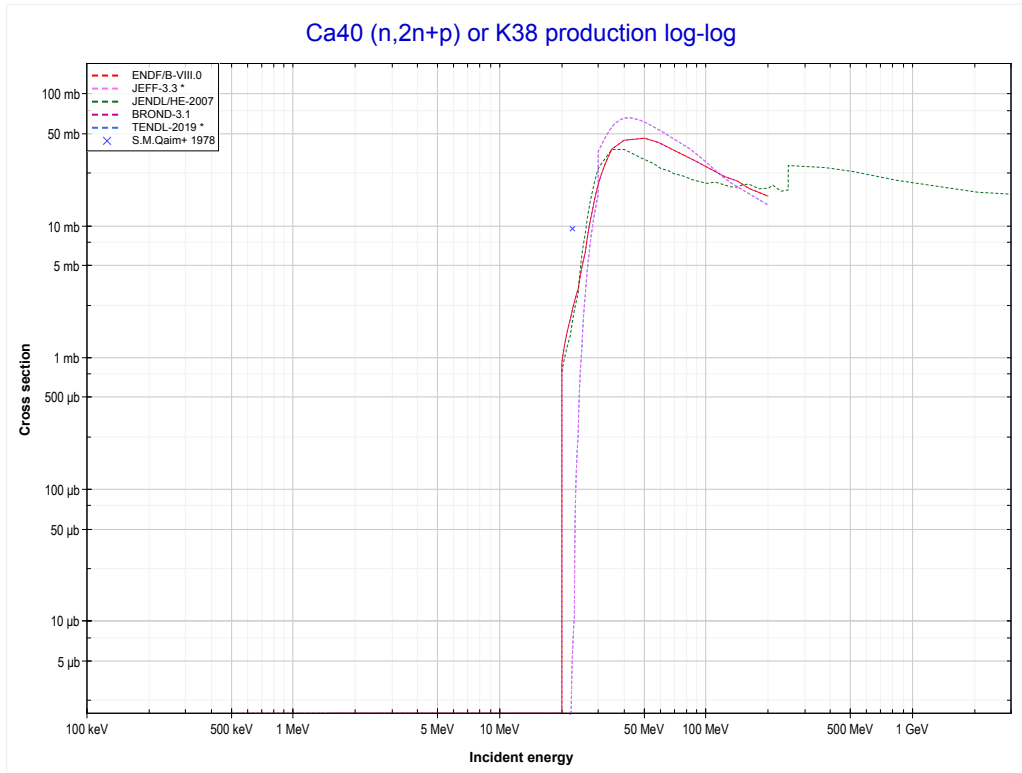
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71475E-4 b | 0.509317 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.36256E-4 b | 0.518312 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.60742E-4 b | 0.4845 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32668E-4 b | 0.453024 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71475E-4 b | 0.509317 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.97444E-4 b | 0.448103 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.37951E-4 b | 0.519342 b |

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|-----------------|---|------------------|
| << 18-Ar-40 | 20-Ca-40 | 20-Ca-44 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (K38 production) | MT41 (n,2n+p) >> |



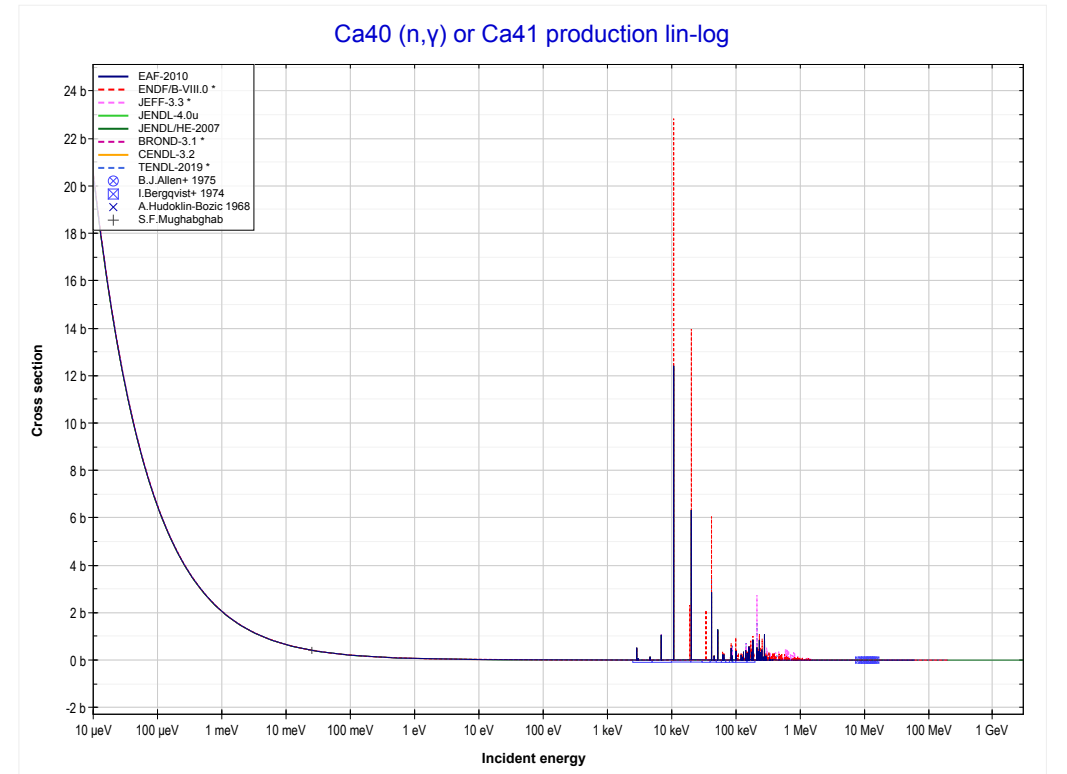
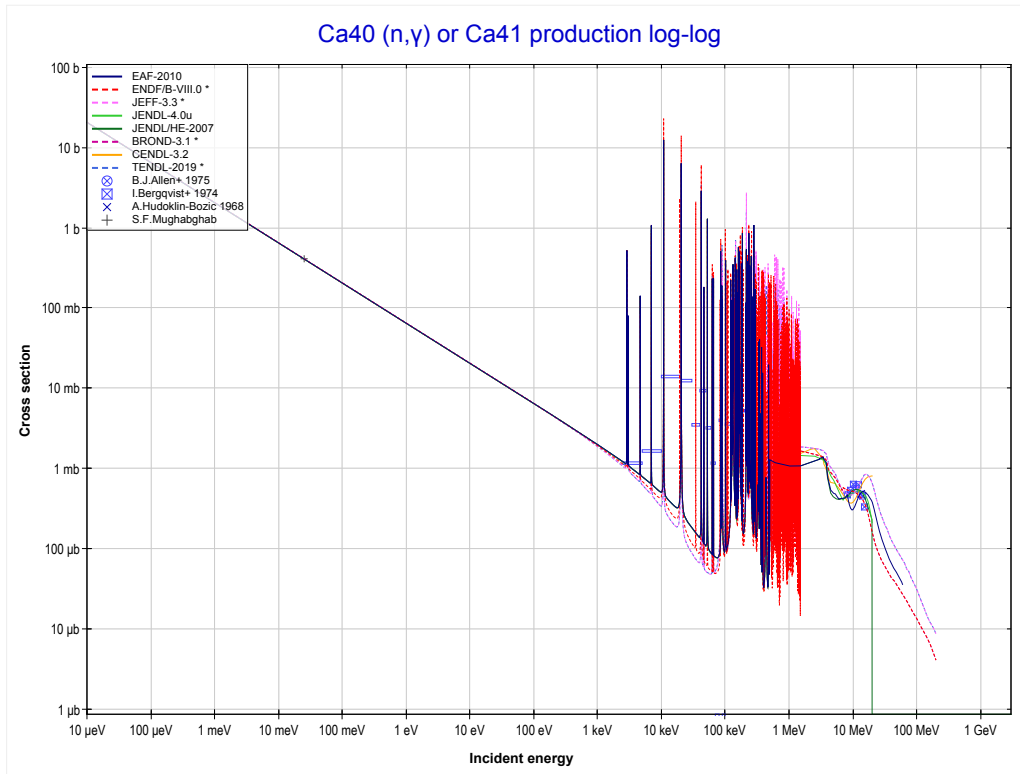
| Reaction | Q-Value |
|-----------------|---------------|
| Ca40(n,t)K38 | -12924.13 keV |
| Ca40(n,n+d)K38 | -19181.36 keV |
| Ca40(n,2n+p)K38 | -21405.92 keV |

| | | |
|-----------------|--|-------------------------|
| << 18-Ar-40 | 20-Ca-40 | 20-Ca-44 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (K38 production) | MT102 (n, γ) >> |



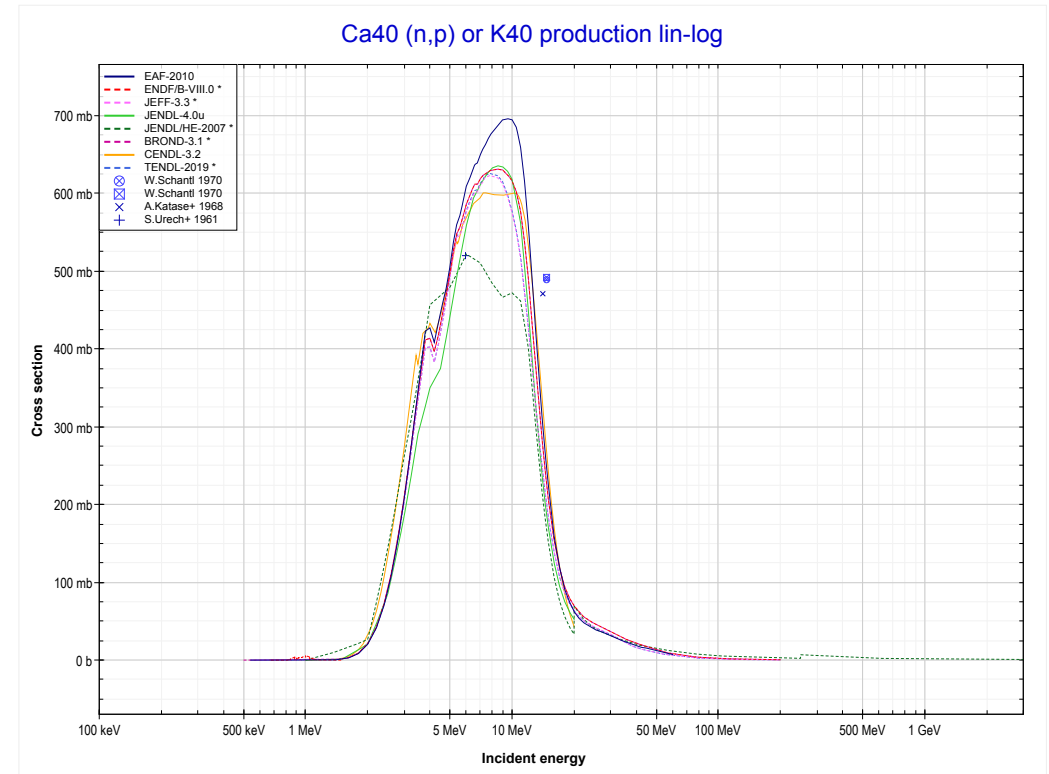
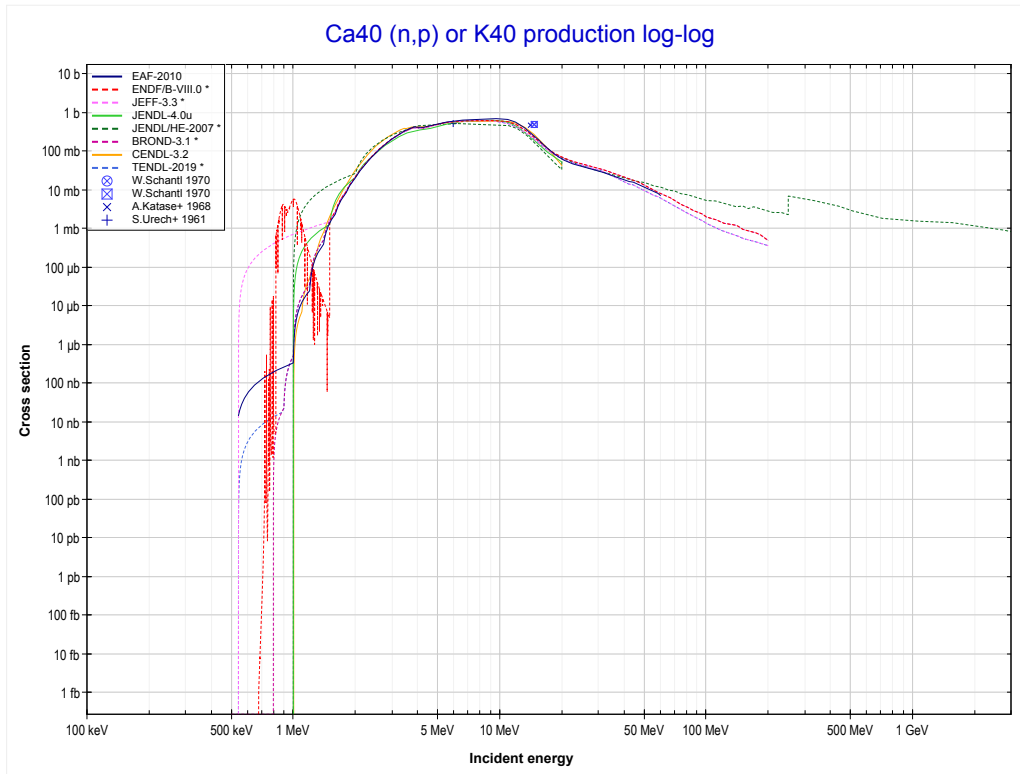
| Reaction | Q-Value |
|-----------------|---------------|
| Ca40(n,t)K38 | -12924.13 keV |
| Ca40(n,n+d)K38 | -19181.36 keV |
| Ca40(n,2n+p)K38 | -21405.92 keV |

| | | |
|------------------|---|----------------|
| << 20-Ca-Nat | 20-Ca-40 | 20-Ca-41 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ca41 production) | MT103 (n,p) >> |



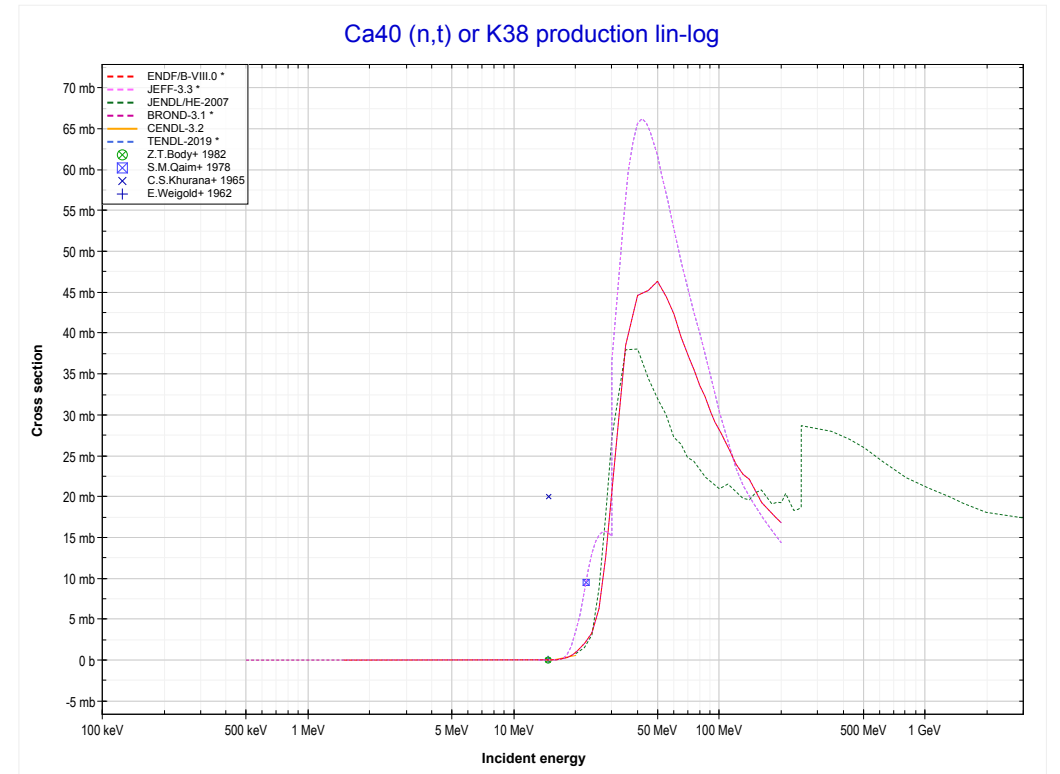
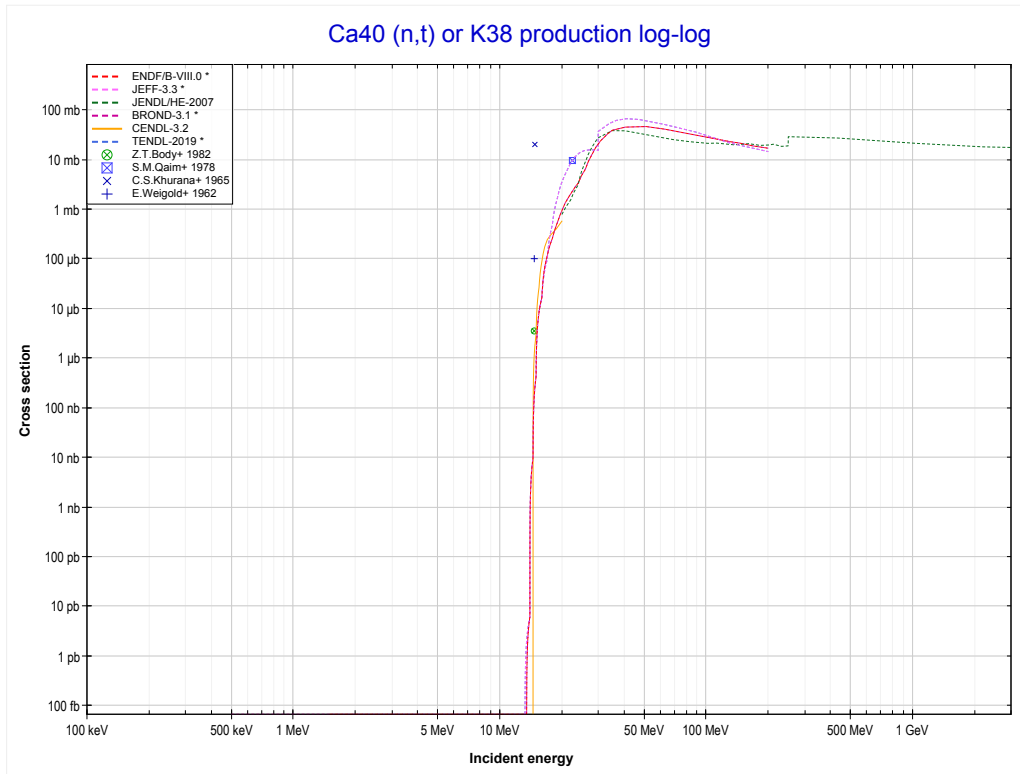
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.40825 b | 0.407986 b | 0.40875 b | 1.00197 | 0.205903 b | 0.00120875 b | 5.1475E-4 b |
| ENDF/B-VIII.0 | 0.410062 b | 0.410062 b | 0.41023 b | 1.0004 | 0.227854 b | 0.00157101 b | 4.11183E-4 b |
| JEFF-3.3 | 0.41137 b | 0.41137 b | 0.4115 b | 1.00033 | 0.207046 b | 0.00219494 b | 7.45478E-4 b |
| JENDL-4.0u | 0.407637 b | 0.407637 b | 0.40778 b | 1.00034 | 0.205701 b | 0.00139121 b | 5.062E-4 b |
| JENDL/HE-2007 | 0.407502 b | 0.407502 b | 0.40753 b | 1.00006 | 0.20535 b | 0.00120147 b | 5E-4 b |
| BROND-3.1 | 0.407637 b | 0.407637 b | 0.40778 b | 1.00034 | 0.205702 b | 0.00151348 b | 4.11183E-4 b |
| CENDL-3.2 | 0.407502 b | 0.407502 b | 0.40753 b | 1.00006 | 0.20535 b | 0.00146582 b | 6.41087E-4 b |
| TENDL-2019 | 0.410226 b | 0.410226 b | 0.41025 b | 1.00006 | 0.206974 b | 0.0018506 b | 7.44748E-4 b |

| | | |
|-------------------------|--|----------------|
| << 19-K-41 | 20-Ca-40 | 20-Ca-41 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (K40 production) | MT105 (n,t) >> |



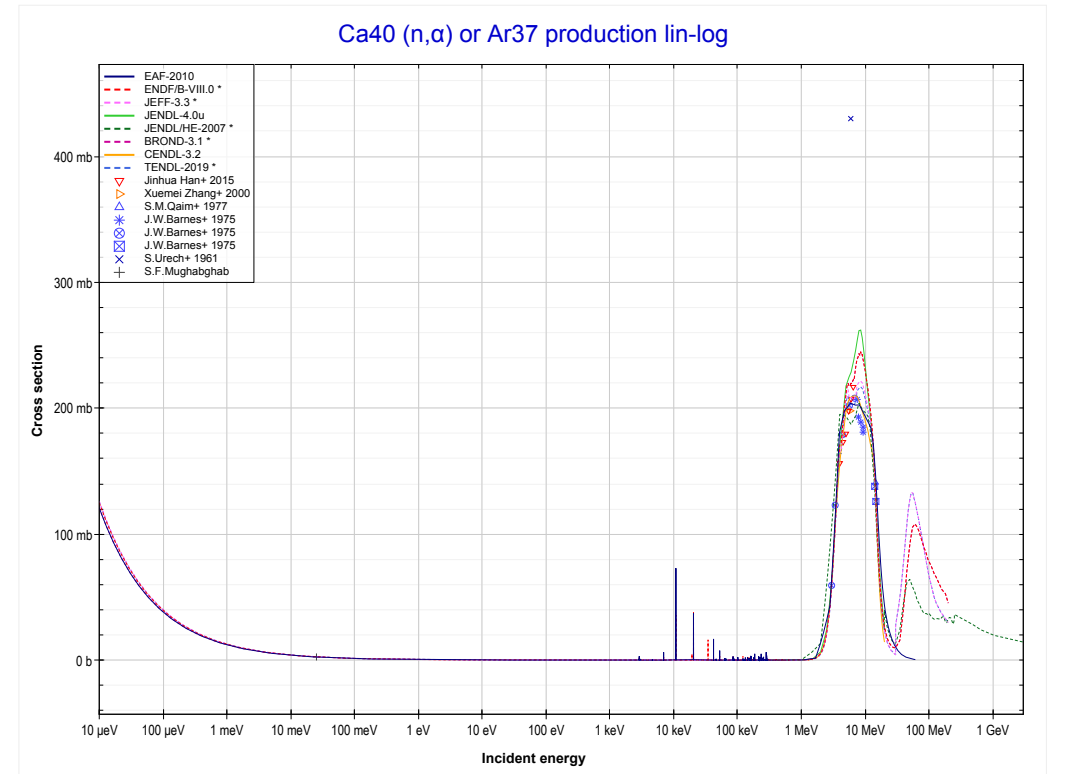
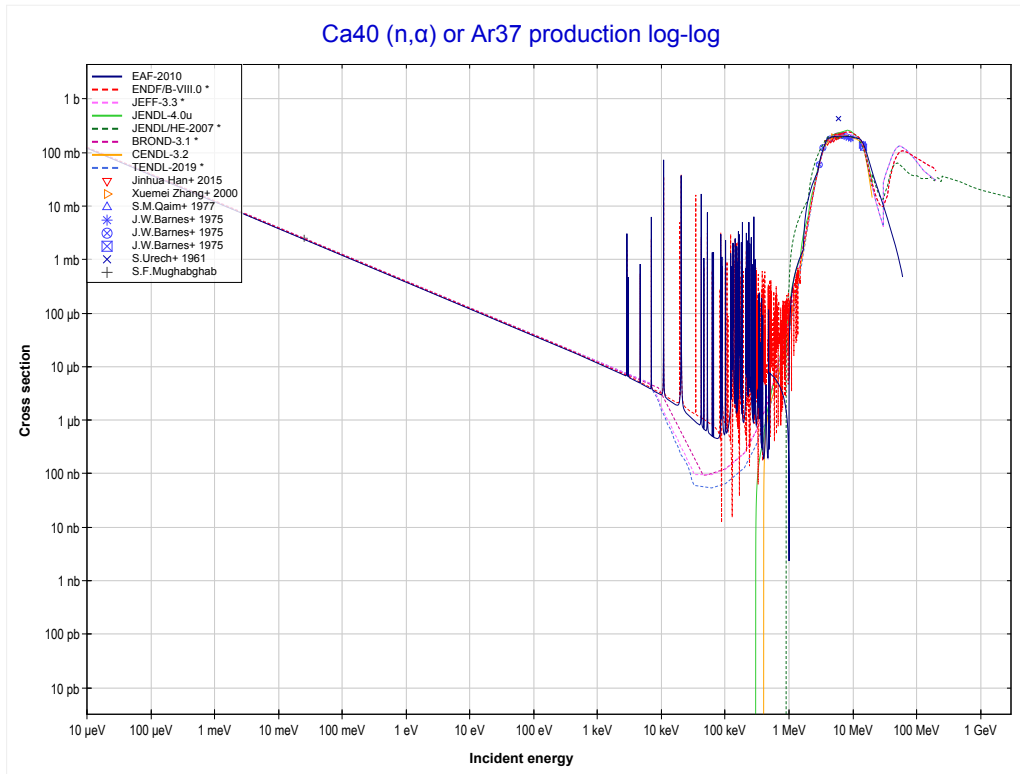
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.111191 b | 0.310087 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.109375 b | 0.282284 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.106697 b | 0.248422 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.098683 b | 0.2364 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.119039 b | 0.214288 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.109074 b | 0.282283 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.120787 b | 0.335579 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.106701 b | 0.249017 b |

| | | |
|----------------|--|-------------------------|
| << 19-K-39 | 20-Ca-40 | 20-Ca-44 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (K38 production) | MT107 (n, α) >> |



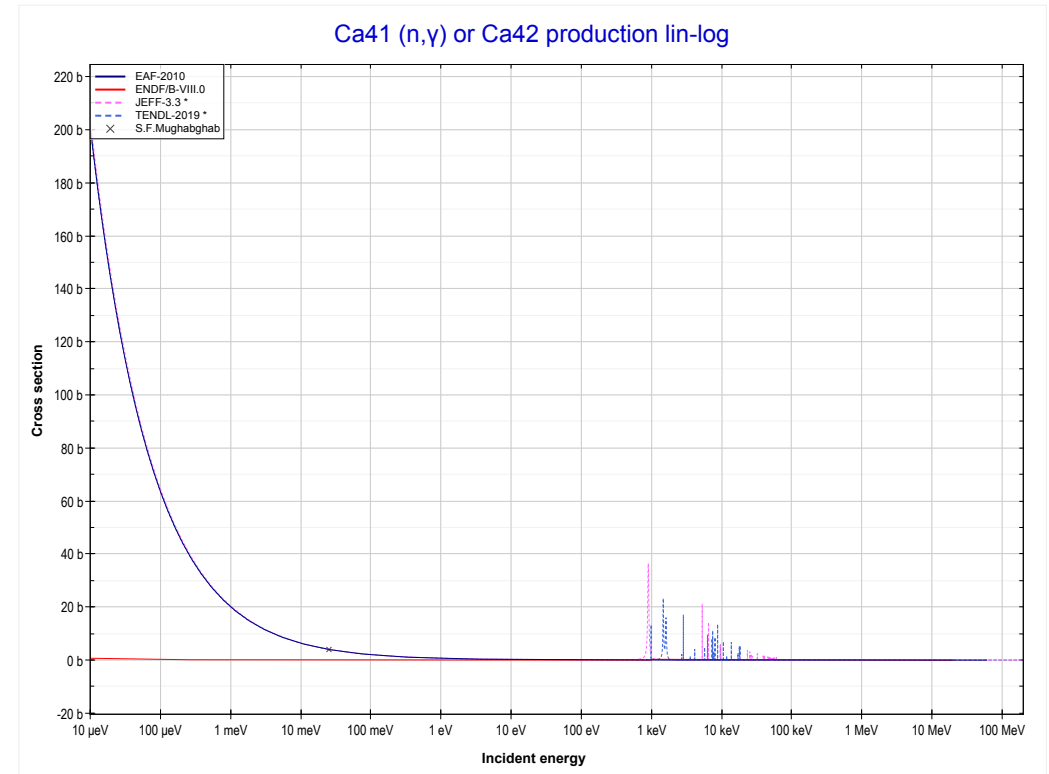
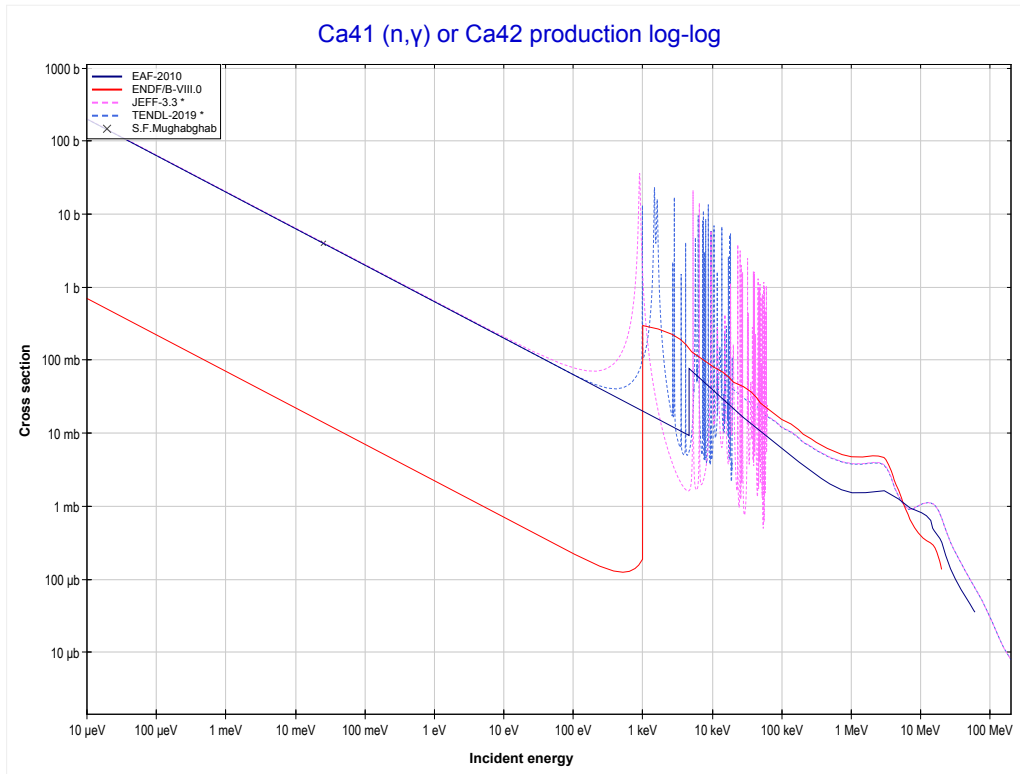
| Reaction | Q-Value |
|-----------------|---------------|
| Ca40(n,t)K38 | -12924.13 keV |
| Ca40(n,n+d)K38 | -19181.36 keV |
| Ca40(n,2n+p)K38 | -21405.92 keV |

| | | |
|----------------|---|----------------------------------|
| << 19-K-41 | 20-Ca-40 | 20-Ca-41 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ar37 production) | 20-Ca-41 MT102 (n, γ) >> |



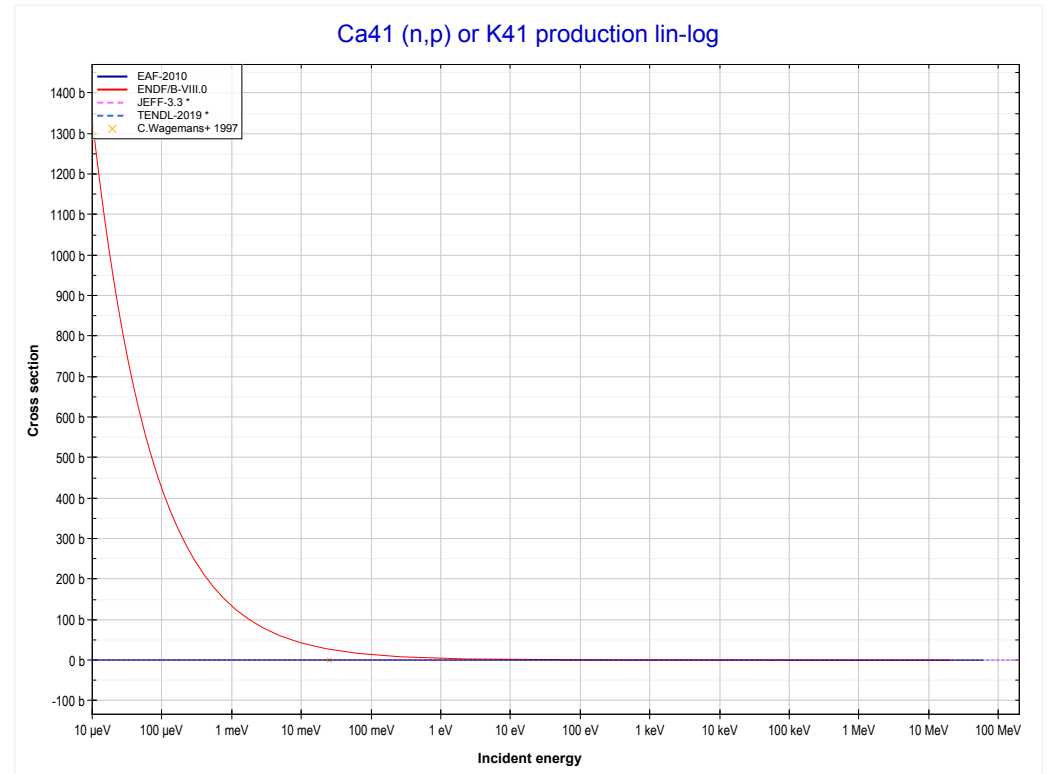
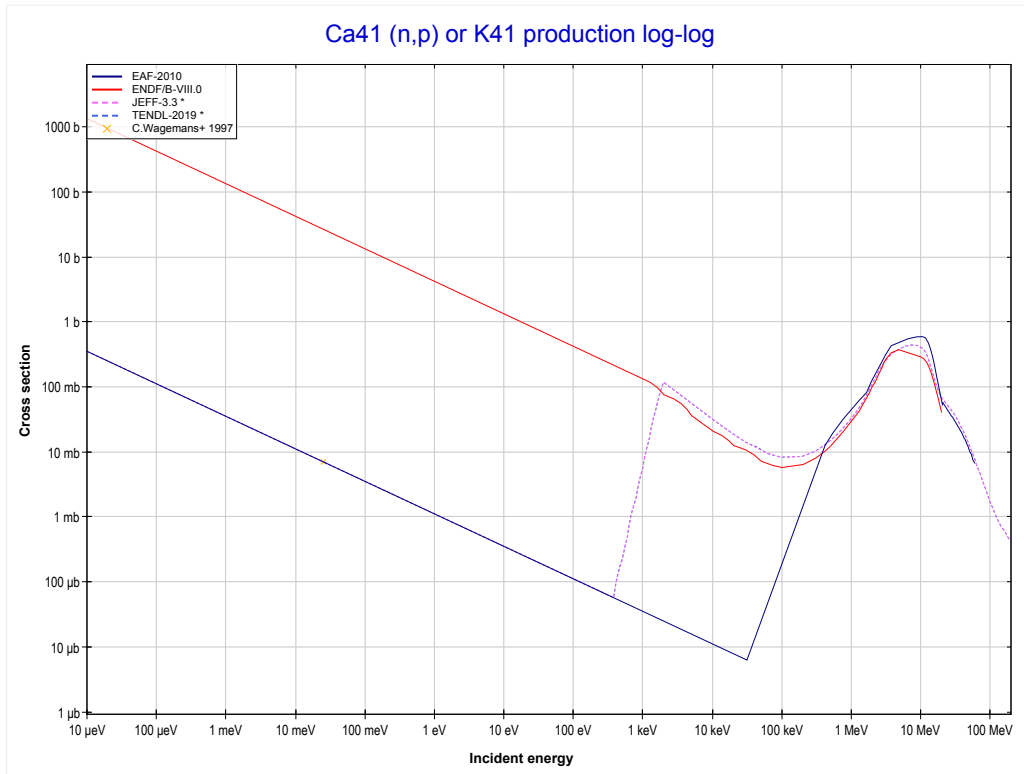
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0024 b | 0.00239826 b | 0.0023984 b | 1.00008 | 0.00120942 b | 0.0413951 b | 0.159224 b |
| ENDF/B-VIII.0 | 0.00248216 b | 0.00248216 b | 0.0024831 b | 1.0004 | 0.00120638 b | 0.0400402 b | 0.152581 b |
| JEFF-3.3 | 0.00251228 b | 0.00251228 b | 0.0025119 b | 0.99987 | 0.00112366 b | 0.0387698 b | 0.149094 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0416278 b | 0.1504 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0492443 b | 0.139591 b |
| BROND-3.1 | 0.00240083 b | 0.00240083 b | 0.0024017 b | 1.00034 | 0.00107611 b | 0.0400395 b | 0.152581 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0379331 b | 0.14676 b |
| TENDL-2019 | 0.00250488 b | 0.00250488 b | 0.0025058 b | 1.00036 | 0.00112195 b | 0.0378824 b | 0.147195 b |

| | | |
|----------------------------------|---|----------------|
| << 20-Ca-40 | 20-Ca-41 | 20-Ca-42 >> |
| << 20-Ca-40 MT107 (n, α) | MT102 (n,γ) or MT5 (Ca42 production) | MT103 (n,p) >> |



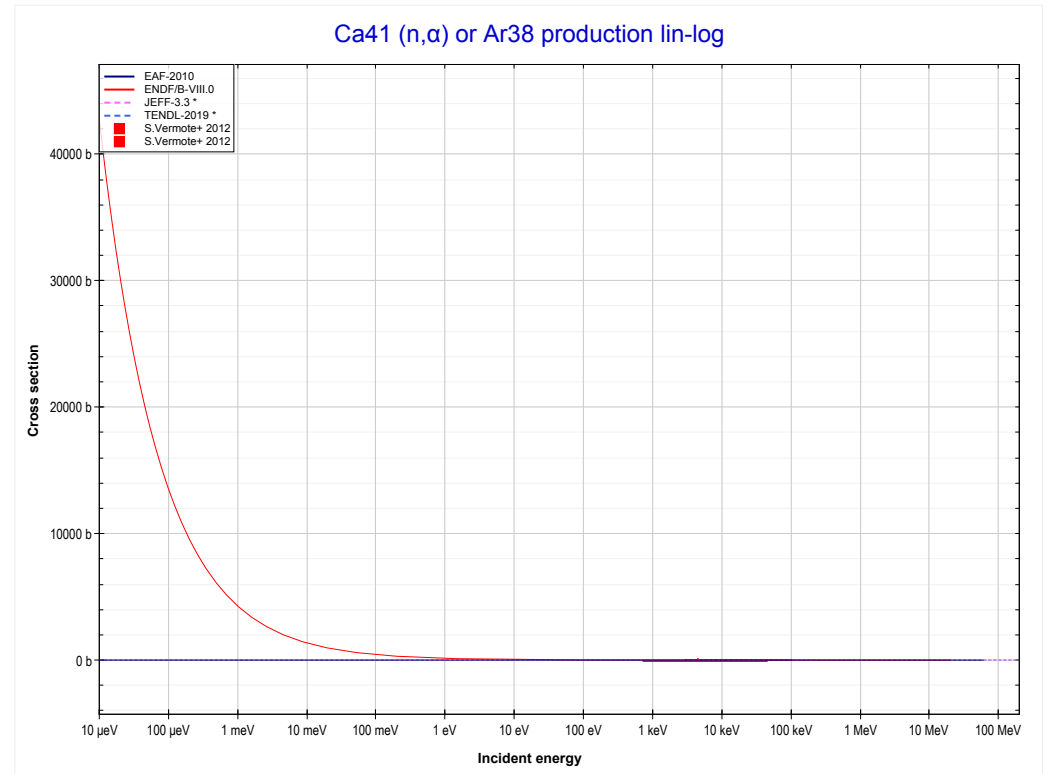
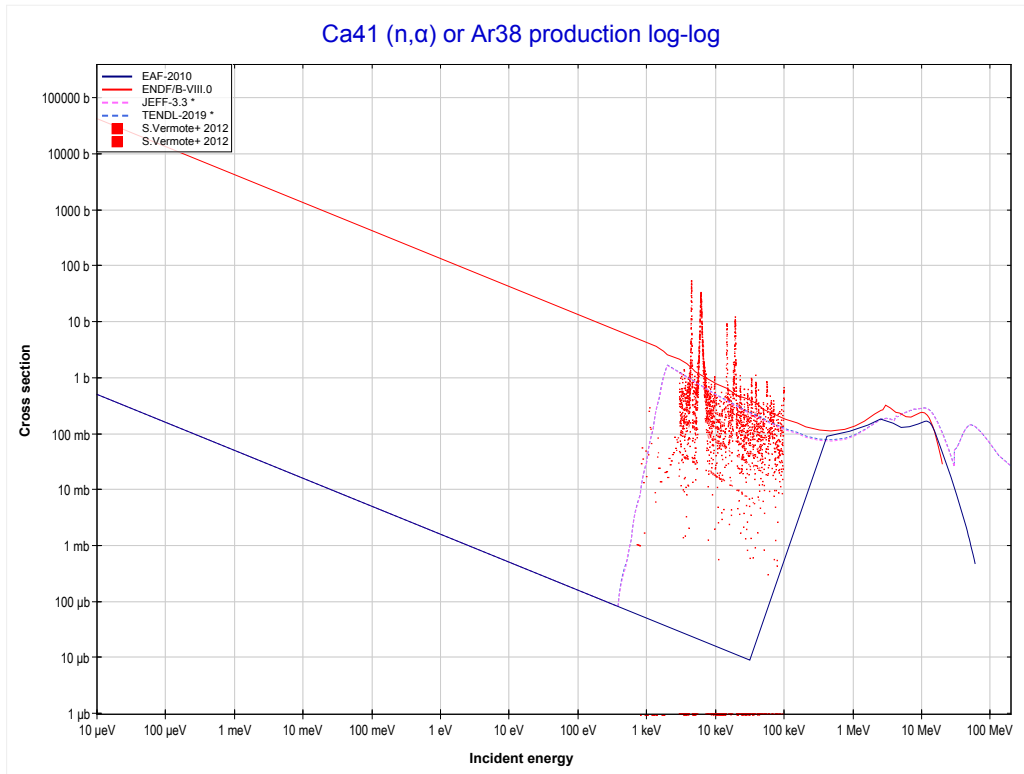
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4 b | 3.997 b | 3.9973 b | 1.00007 | 1.86485 b | 0.00186175 b | 6.4E-4 b |
| ENDF/B-VIII.0 | 0.01397 b | 0.01397 b | 0.013974 b | 1.00028 | 0.554694 b | 0.00517292 b | 3.12752E-4 b |
| JEFF-3.3 | 4.05911 b | 4.05911 b | 4.0604 b | 1.00031 | 4.59331 b | 0.00422706 b | 0.00111391 b |
| TENDL-2019 | 3.99534 b | 3.99534 b | 3.9956 b | 1.00005 | 3.98483 b | 0.00424656 b | 0.00111364 b |

| | | |
|-------------------------|--|-------------------------|
| << 20-Ca-40 | 20-Ca-41 | 20-Ca-42 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (K41 production) | MT107 (n, α) >> |



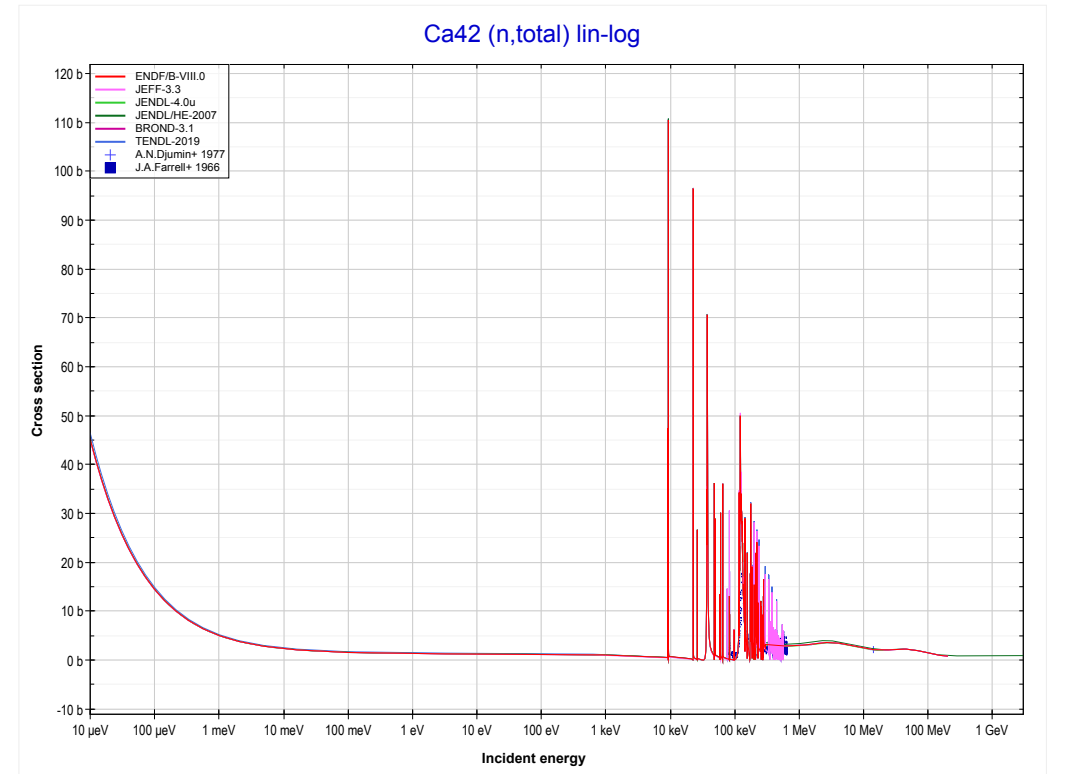
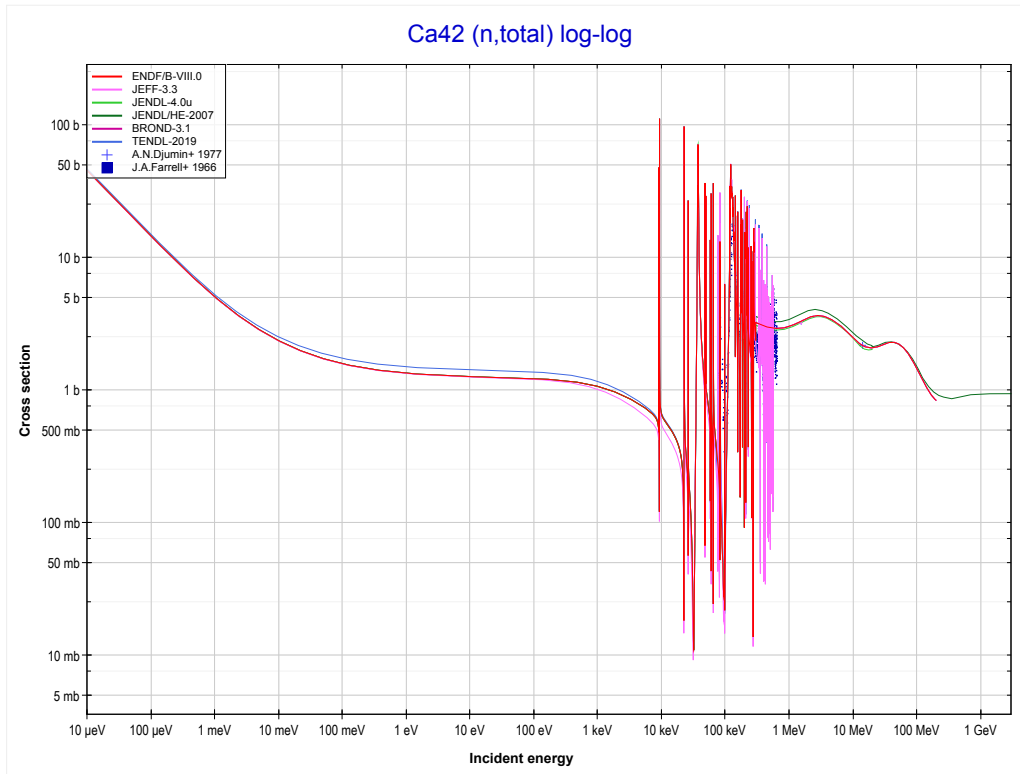
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.007 b | 0.00699475 b | 0.0069948 b | 1.00001 | 0.00319785 b | 0.15788 b | 0.371487 b |
| ENDF/B-VIII.0 | 26.5762 b | 26.5762 b | 26.586 b | 1.00035 | 11.8862 b | 0.119063 b | 0.170658 b |
| JEFF-3.3 | 0.00702309 b | 0.00702309 b | 0.0070254 b | 1.00032 | 0.176393 b | 0.127747 b | 0.204905 b |
| TENDL-2019 | 0.00702029 b | 0.00702029 b | 0.0070147 b | 0.9992 | 0.175777 b | 0.128019 b | 0.205224 b |

| | | |
|----------------|---|---------------------------|
| << 20-Ca-40 | 20-Ca-41 | 20-Ca-44 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ar38 production) | 20-Ca-42 MT1 (n,total) >> |



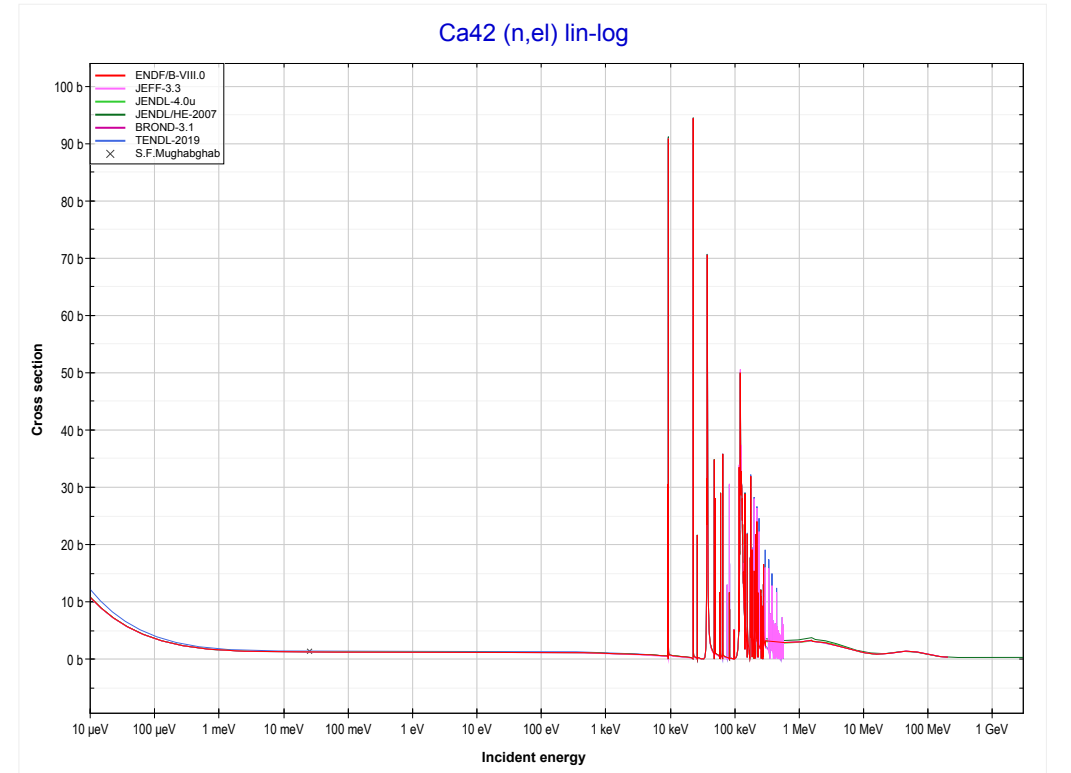
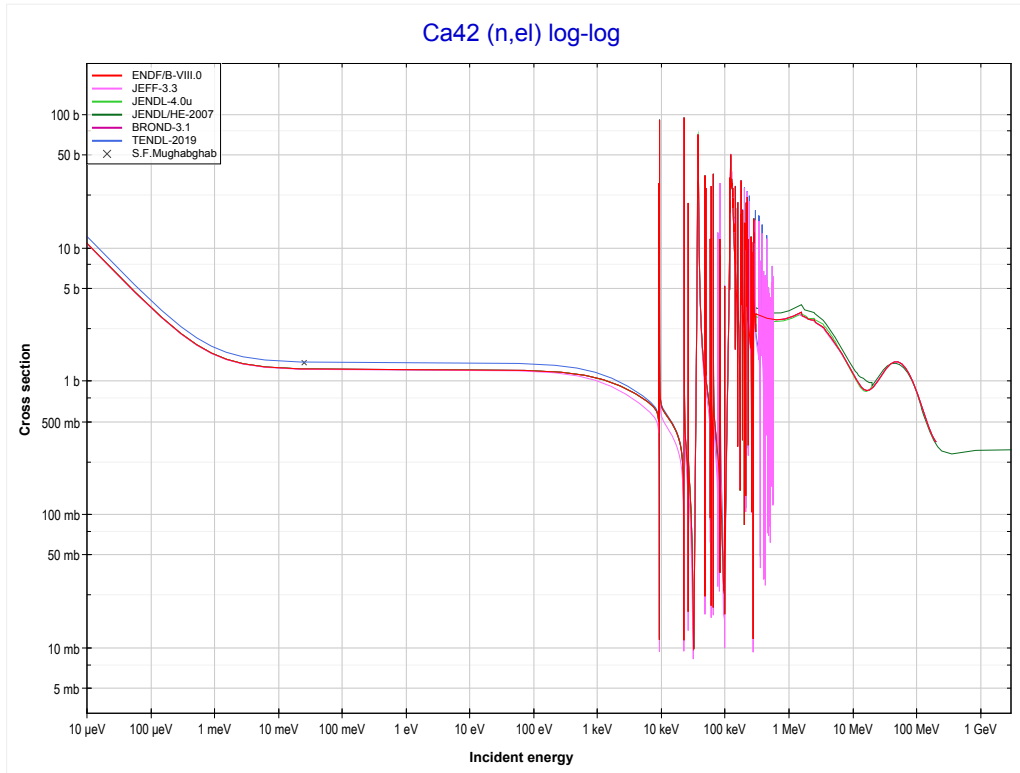
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.01 b | 0.0099925 b | 0.0099926 b | 1.00001 | 0.00463116 b | 0.126167 b | 0.14264 b |
| ENDF/B-VIII.0 | 851.115 b | 851.115 b | 851.41 b | 1.00035 | 381.049 b | 0.191365 b | 0.152765 b |
| JEFF-3.3 | 0.010016 b | 0.010016 b | 0.010019 b | 1.00032 | 2.48922 b | 0.135461 b | 0.241028 b |
| TENDL-2019 | 0.0100145 b | 0.0100145 b | 0.010007 b | 0.9992 | 2.55291 b | 0.138021 b | 0.243966 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 20-Ca-40 | 20-Ca-42 | 20-Ca-43 >> |
| << 20-Ca-41 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



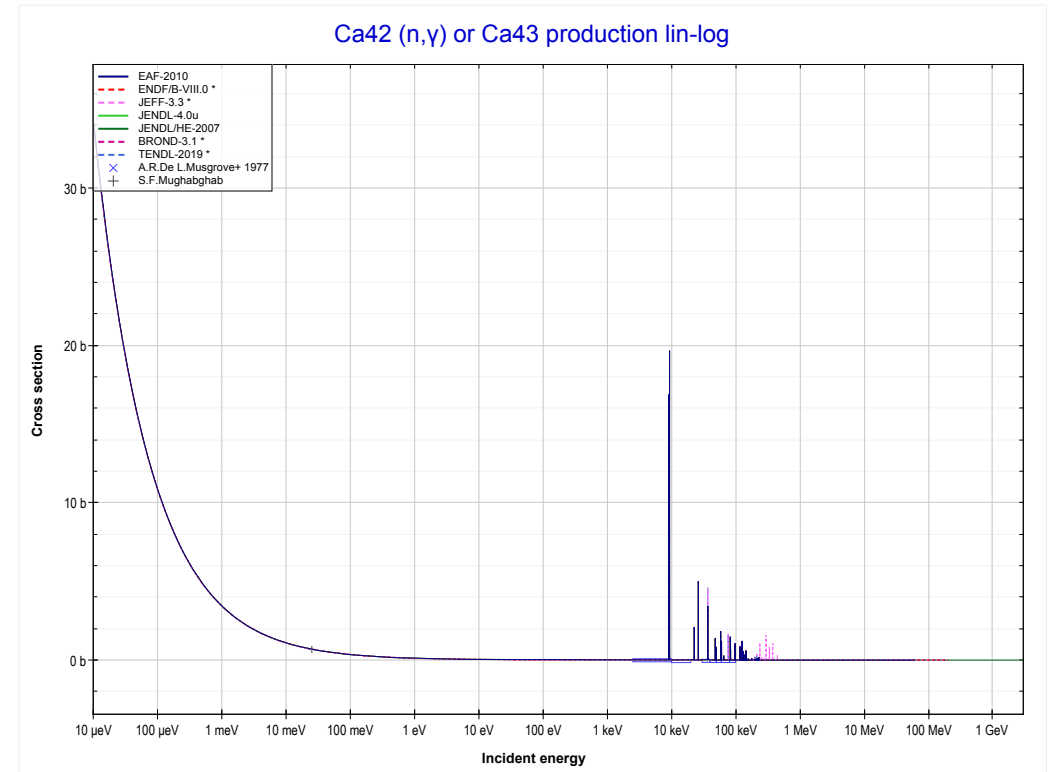
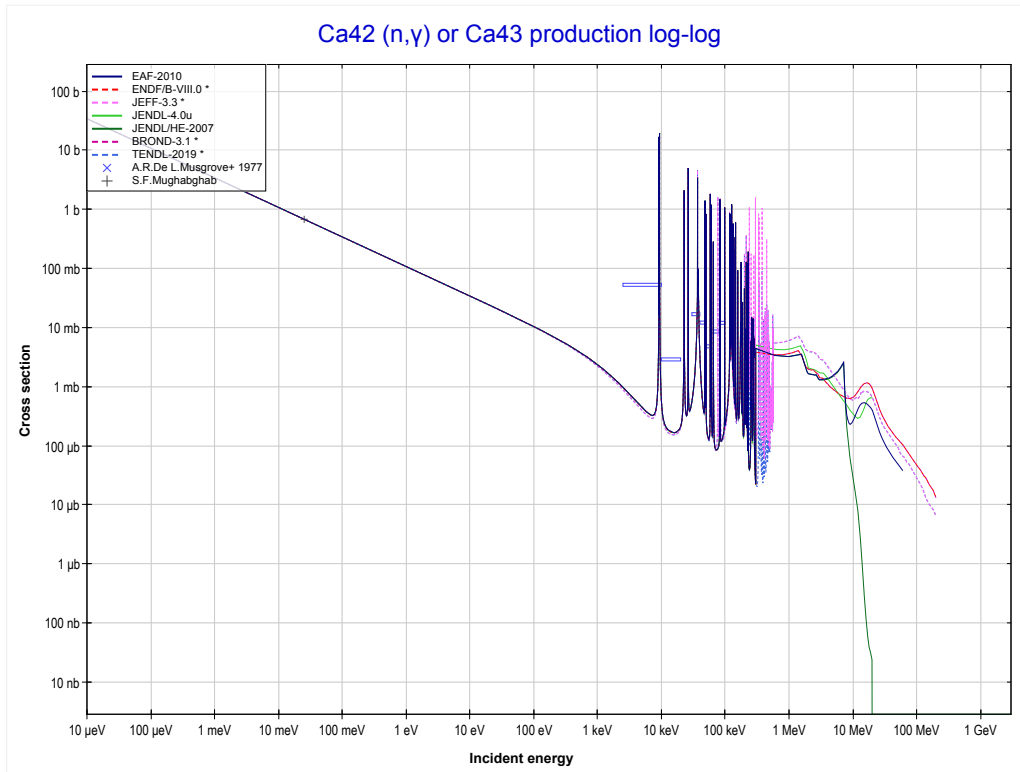
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.91974 b | 1.91974 b | 2.0786 b | 1.08276 | 15.6629 b | 3.36851 b | 2.1553 b |
| JEFF-3.3 | 1.90819 b | 1.90819 b | 2.066 b | 1.08269 | 15.2772 b | 3.23824 b | 2.15607 b |
| JENDL-4.0u | 1.91974 b | 1.91974 b | 2.0786 b | 1.08276 | 15.6629 b | 3.29578 b | 2.068 b |
| JENDL/HE-2007 | 1.91953 b | 1.91953 b | 2.0783 b | 1.08271 | 15.667 b | 3.72118 b | 2.35207 b |
| BROND-3.1 | 1.91974 b | 1.91974 b | 2.0786 b | 1.08276 | 15.6629 b | 3.36851 b | 2.1553 b |
| TENDL-2019 | 2.07508 b | 2.07508 b | 2.254 b | 1.08622 | 17.0018 b | 3.259 b | 2.15605 b |

| | | |
|------------------|------------------------|-------------------------|
| << 20-Ca-40 | 20-Ca-42 | 21-Sc-45 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



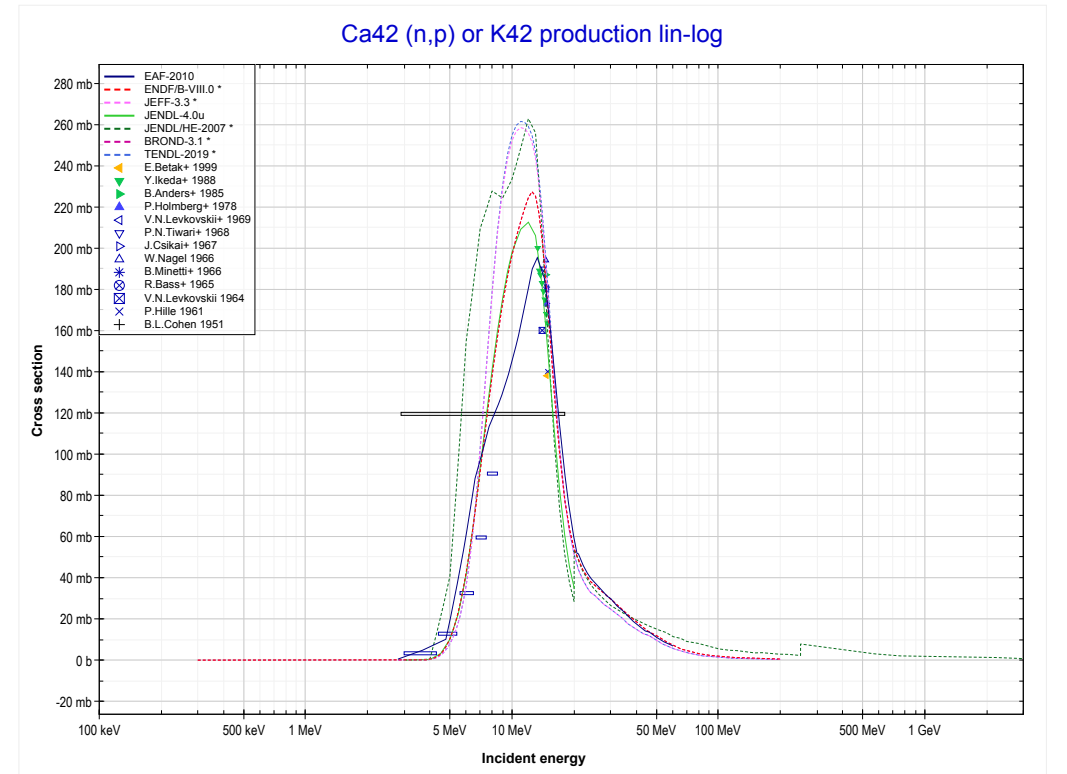
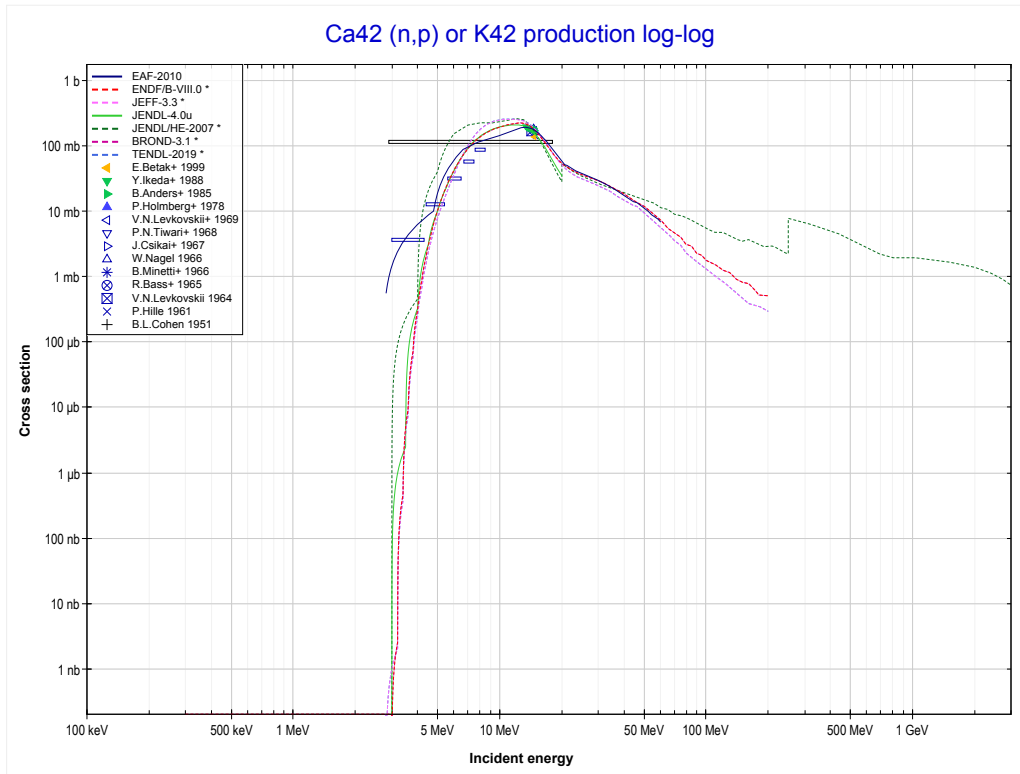
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.23653 b | 1.23653 b | 1.3952 b | 1.12831 | 15.2997 b | 2.92811 b | 0.891288 b |
| JEFF-3.3 | 1.22822 b | 1.22822 b | 1.3858 b | 1.1283 | 14.9146 b | 2.7945 b | 0.891215 b |
| JENDL-4.0u | 1.23653 b | 1.23653 b | 1.3952 b | 1.12831 | 15.2997 b | 2.93533 b | 0.866098 b |
| JENDL/HE-2007 | 1.23653 b | 1.23653 b | 1.3953 b | 1.12837 | 15.3039 b | 3.27587 b | 1.06096 b |
| BROND-3.1 | 1.23653 b | 1.23653 b | 1.3952 b | 1.12831 | 15.2997 b | 2.92811 b | 0.891288 b |
| TENDL-2019 | 1.39353 b | 1.39353 b | 1.5724 b | 1.12837 | 16.6385 b | 2.81645 b | 0.891216 b |

| | | |
|--------------------|---|----------------|
| << 20-Ca-41 | 20-Ca-42 | 20-Ca-43 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ca43 production) | MT103 (n,p) >> |



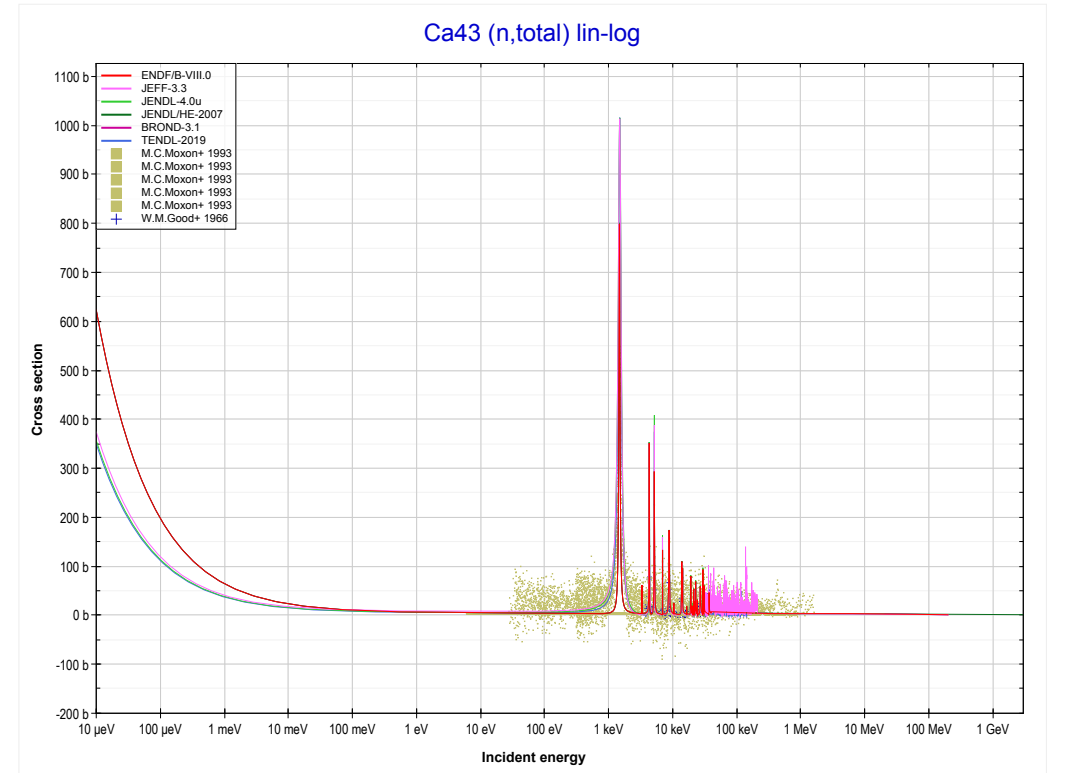
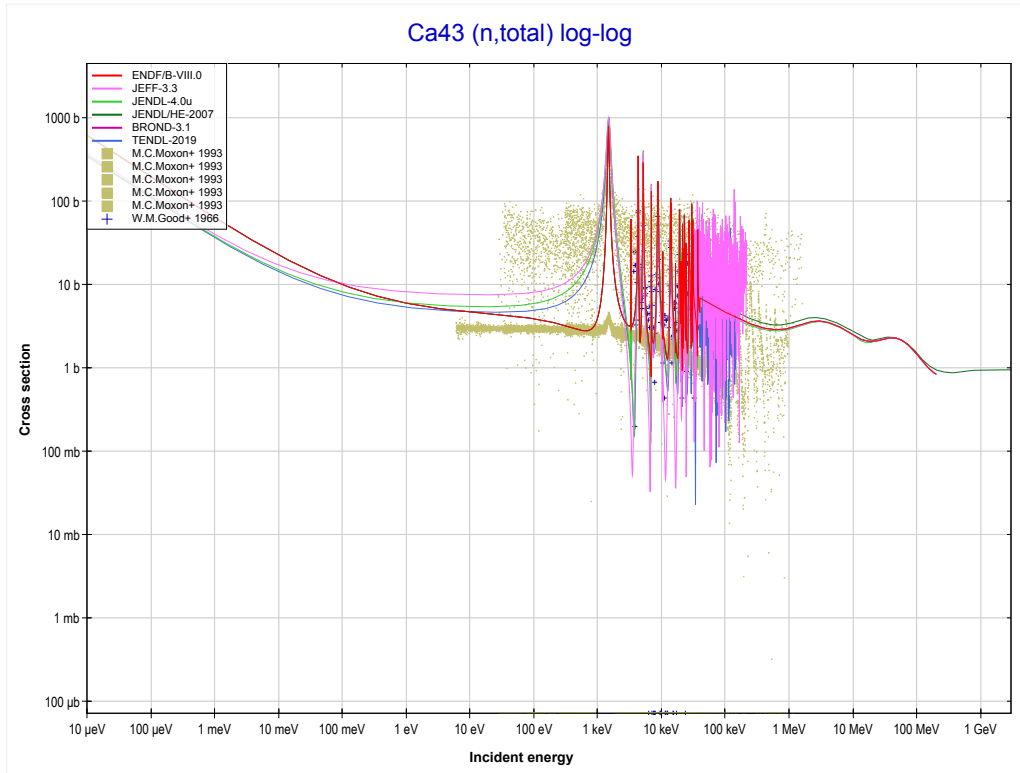
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.68395 b | 0.683494 b | 0.68493 b | 1.00218 | 0.363419 b | 0.00260127 b | 5.2834E-4 b |
| ENDF/B-VIII.0 | 0.683211 b | 0.683211 b | 0.68344 b | 1.00034 | 0.363198 b | 0.0026619 b | 0.00104016 b |
| JEFF-3.3 | 0.679966 b | 0.679966 b | 0.68017 b | 1.0003 | 0.362561 b | 0.00481357 b | 7.58214E-4 b |
| JENDL-4.0u | 0.683211 b | 0.683211 b | 0.68344 b | 1.00034 | 0.363198 b | 0.00318015 b | 3.599E-4 b |
| JENDL/HE-2007 | 0.682992 b | 0.682992 b | 0.68303 b | 1.00005 | 0.362614 b | 0.00258819 b | 9.66167E-7 b |
| BROND-3.1 | 0.683211 b | 0.683211 b | 0.68344 b | 1.00034 | 0.363198 b | 0.0026619 b | 0.00104016 b |
| TENDL-2019 | 0.681539 b | 0.681539 b | 0.68157 b | 1.00005 | 0.362714 b | 0.00405924 b | 7.58972E-4 b |

| | | |
|-------------------------|--|---------------------------|
| << 20-Ca-41 | 20-Ca-42 | 20-Ca-43 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (K42 production) | 20-Ca-43 MT1 (n,total) >> |



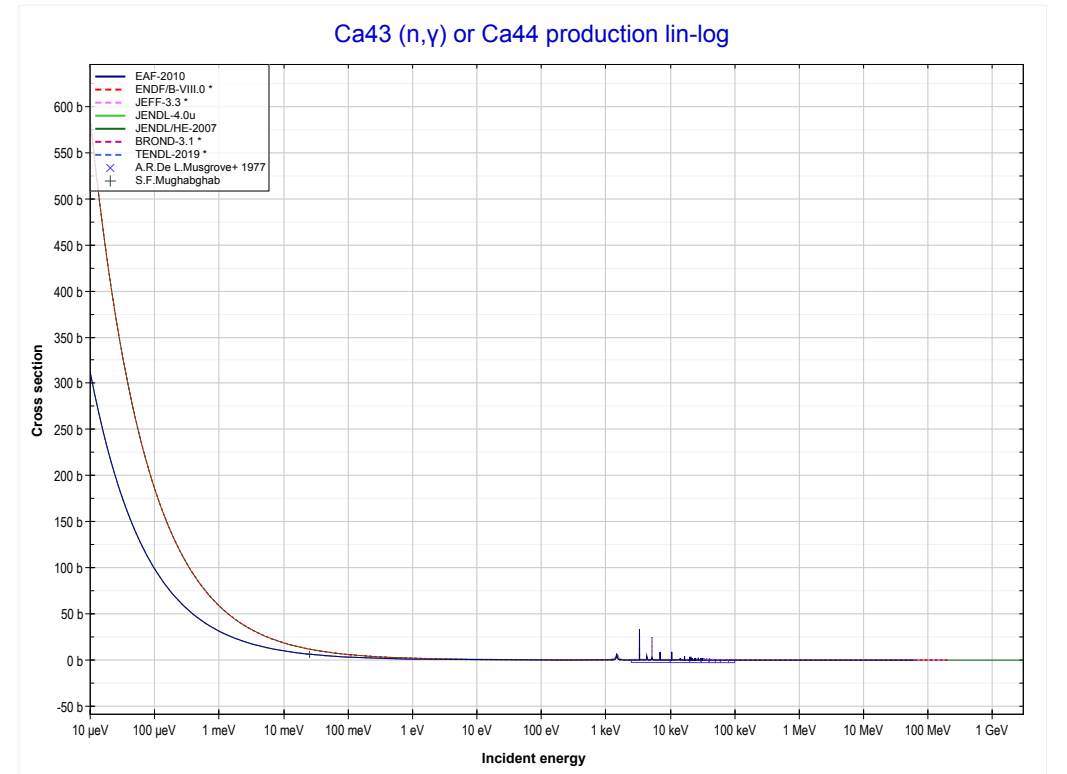
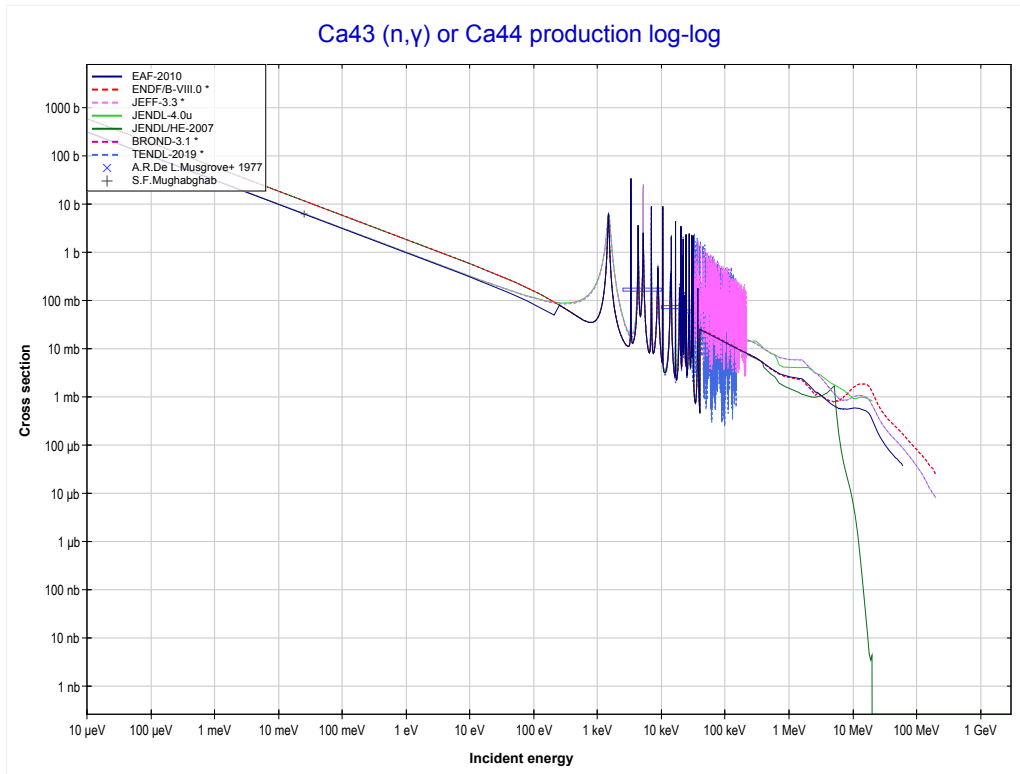
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00505661 b | 0.188521 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00407559 b | 0.203905 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00444134 b | 0.214888 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00411227 b | 0.1812 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0099382 b | 0.207244 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00407559 b | 0.203905 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00447033 b | 0.217907 b |

| | | |
|-------------------------|----------------------|-------------------------|
| << 20-Ca-42 | 20-Ca-43 | 20-Ca-44 >> |
| << 20-Ca-42 MT103 (n,p) | MT1 (n,total) | MT102 (n, γ) >> |



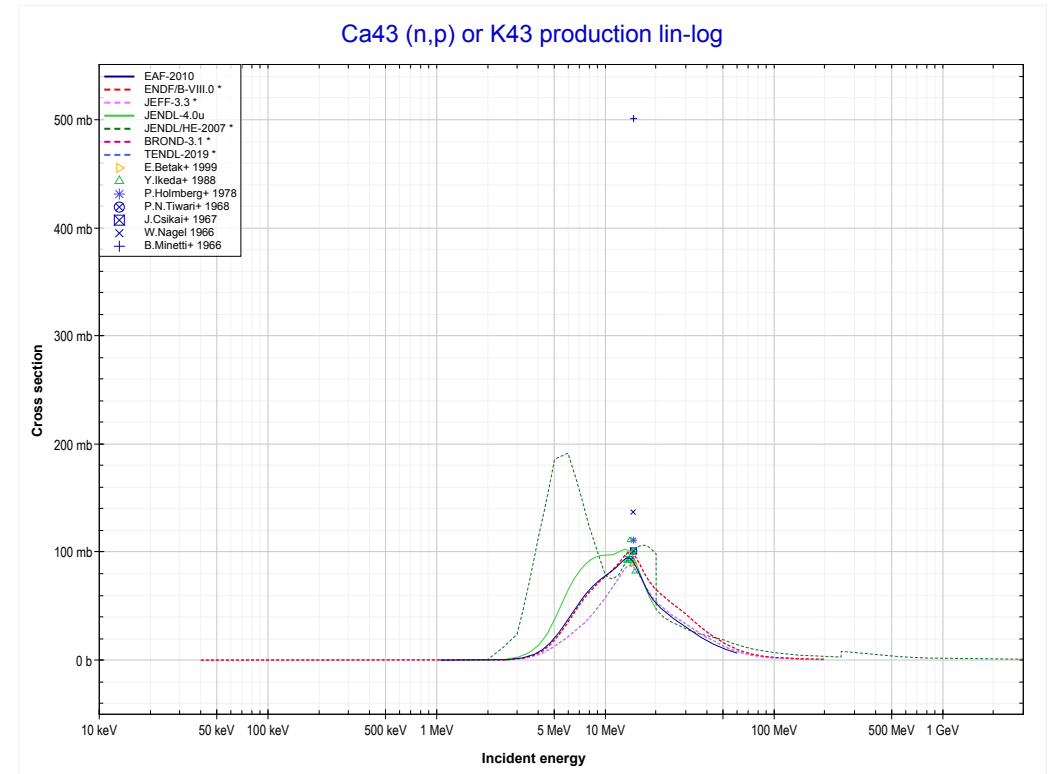
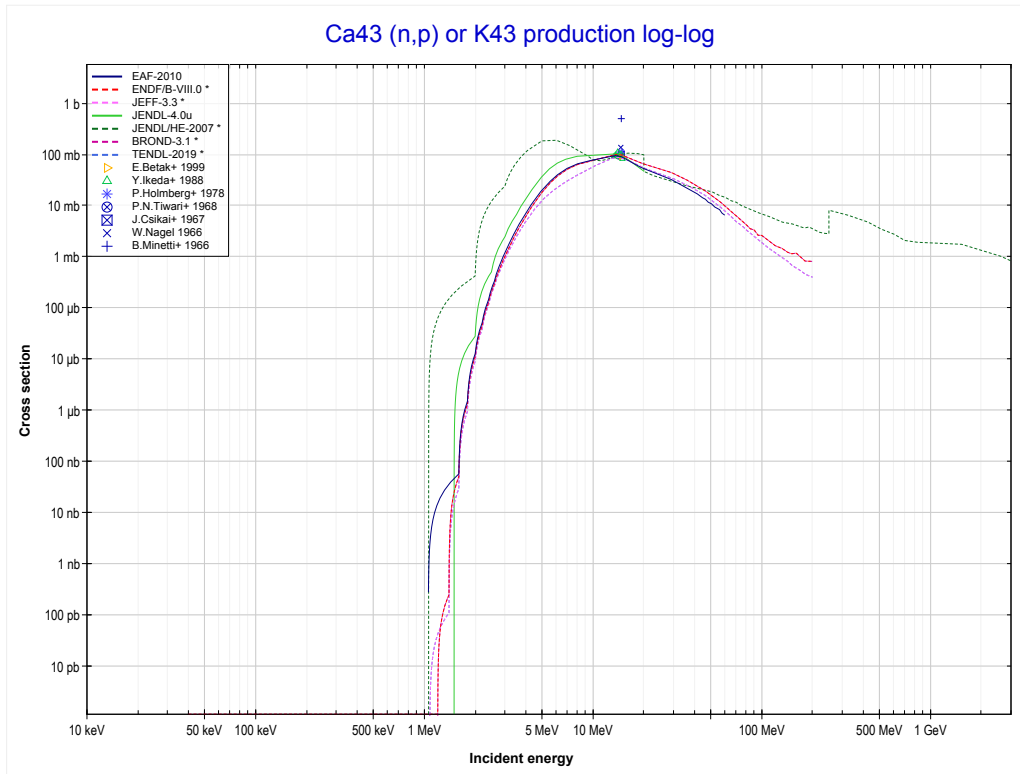
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.8761 b | 15.8761 b | 16.42 b | 1.03425 | 136.306 b | 3.36405 b | 2.1761 b |
| JEFF-3.3 | 13.465 b | 13.465 b | 14.401 b | 1.06952 | 323.808 b | 3.83936 b | 2.18231 b |
| JENDL-4.0u | 11.3341 b | 11.3341 b | 11.995 b | 1.05829 | 305.009 b | 3.28524 b | 2.081 b |
| JENDL/HE-2007 | 15.8723 b | 15.8723 b | 16.413 b | 1.03406 | 137.191 b | 3.76856 b | 2.39647 b |
| BROND-3.1 | 15.8761 b | 15.8761 b | 16.42 b | 1.03425 | 136.305 b | 3.36405 b | 2.1761 b |
| TENDL-2019 | 10.6189 b | 10.6189 b | 11.188 b | 1.05361 | 259.213 b | 3.35448 b | 2.18232 b |

| | | |
|------------------|---|----------------|
| << 20-Ca-42 | 20-Ca-43 | 20-Ca-44 >> |
| << MT1 (n,total) | MT102 (n,y) or MT5 (Ca44 production) | MT103 (n,p) >> |



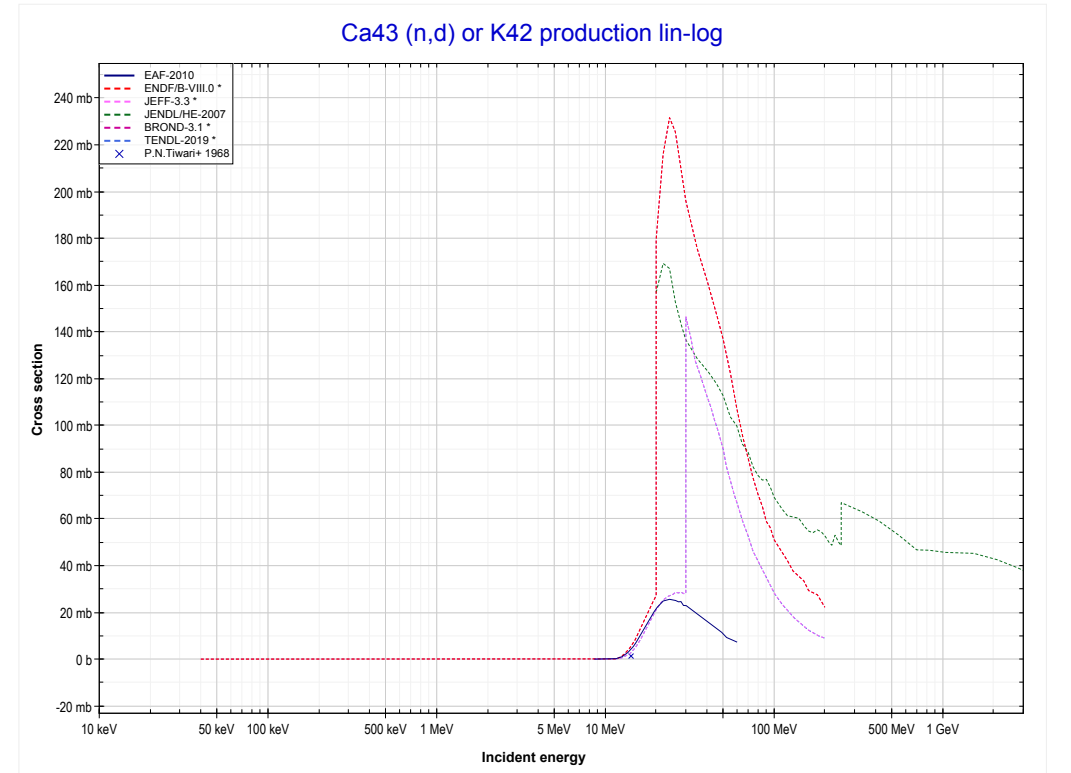
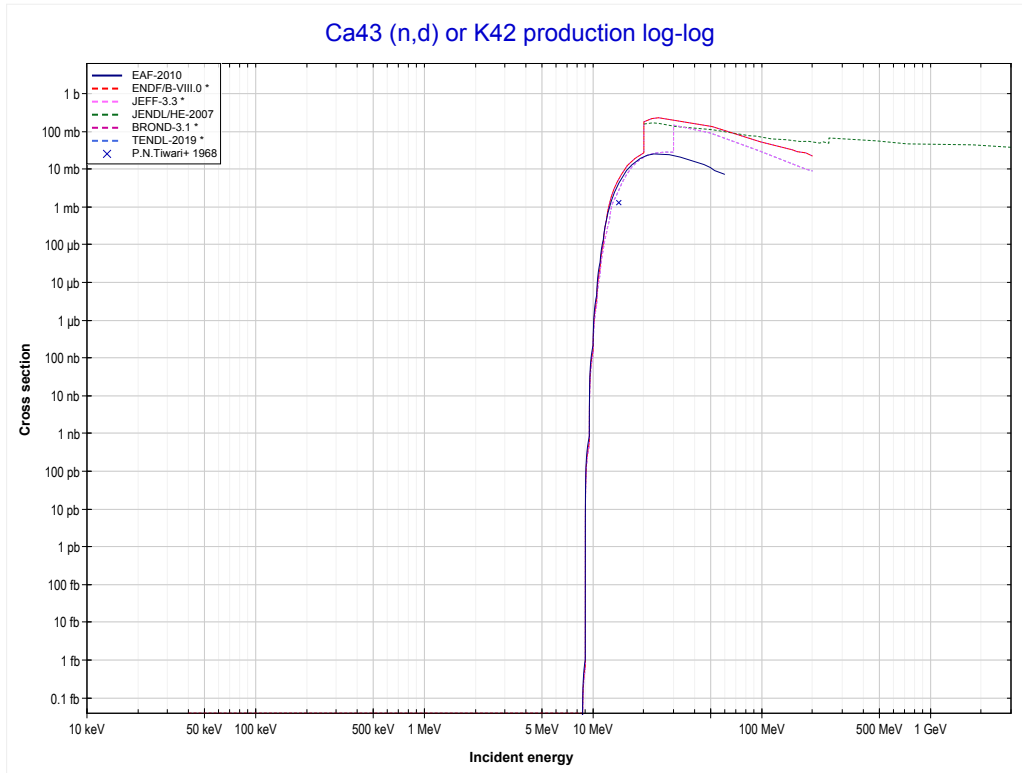
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.2 b | 6.19597 b | 6.2072 b | 1.00191 | 3.46444 b | 0.00285574 b | 5.44557E-4 b |
| ENDF/B-VIII.0 | 11.6667 b | 11.6667 b | 11.67 b | 1.00032 | 5.77802 b | 0.00281024 b | 0.00184227 b |
| JEFF-3.3 | 6.18977 b | 6.18977 b | 6.1922 b | 1.00039 | 4.23483 b | 0.0065618 b | 0.00105318 b |
| JENDL-4.0u | 6.20419 b | 6.20419 b | 6.2064 b | 1.00036 | 4.28515 b | 0.00512194 b | 9.904E-4 b |
| JENDL/HE-2007 | 11.663 b | 11.663 b | 11.663 b | 1.00003 | 5.76645 b | 0.00224733 b | 1.77939E-7 b |
| BROND-3.1 | 11.6667 b | 11.6667 b | 11.67 b | 1.00032 | 5.77802 b | 0.00281024 b | 0.00184227 b |
| TENDL-2019 | 6.18884 b | 6.18884 b | 6.1893 b | 1.00007 | 4.33097 b | 0.00595191 b | 0.00105244 b |

| | | |
|-------------------------|--|----------------|
| << 20-Ca-42 | 20-Ca-43 | 20-Ca-44 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (K43 production) | MT104 (n,d) >> |



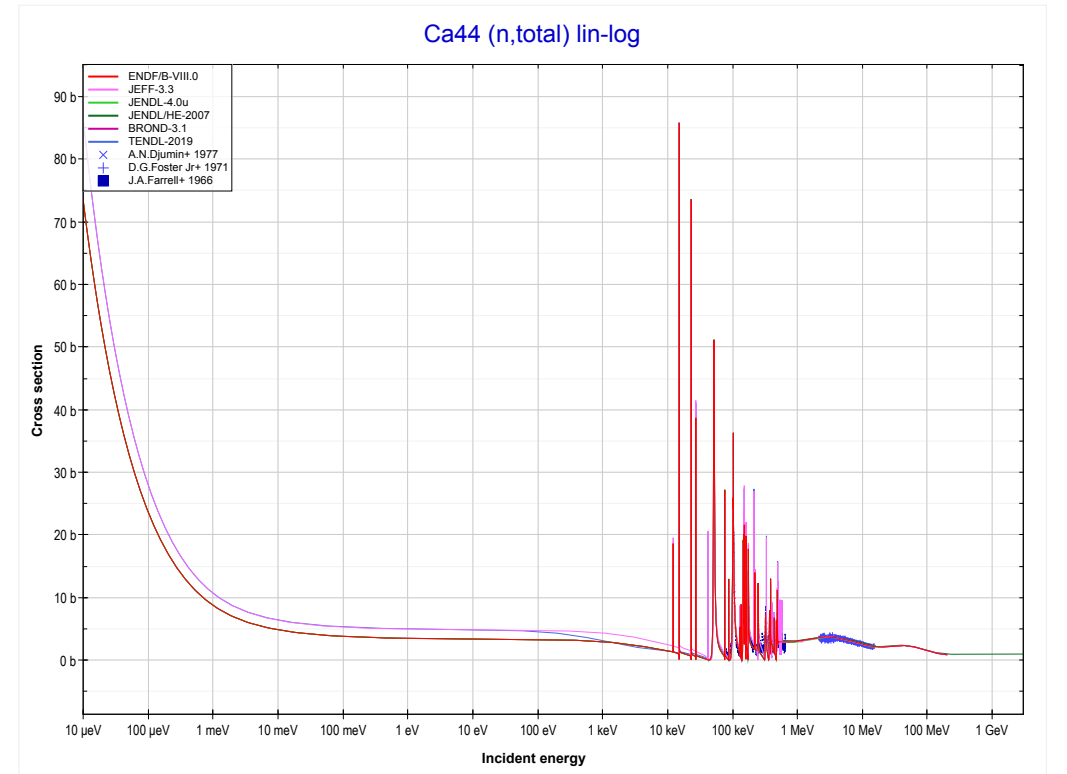
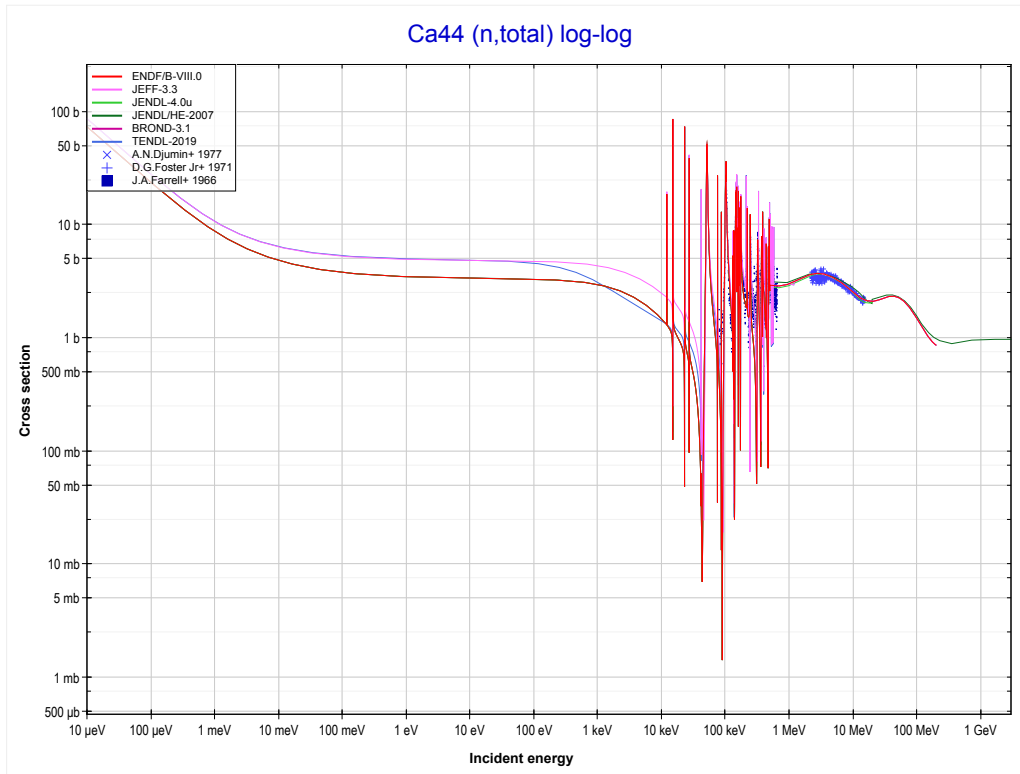
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00362366 b | 0.0942831 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00336973 b | 0.099822 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00228207 b | 0.0876375 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00610709 b | 0.100872 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0267391 b | 0.0965149 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00336973 b | 0.099822 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00228301 b | 0.0876807 b |

| | | |
|----------------|--|---------------------------|
| << 18-Ar-40 | 20-Ca-43 | 20-Ca-44 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (K42 production) | 20-Ca-44 MT1 (n,total) >> |



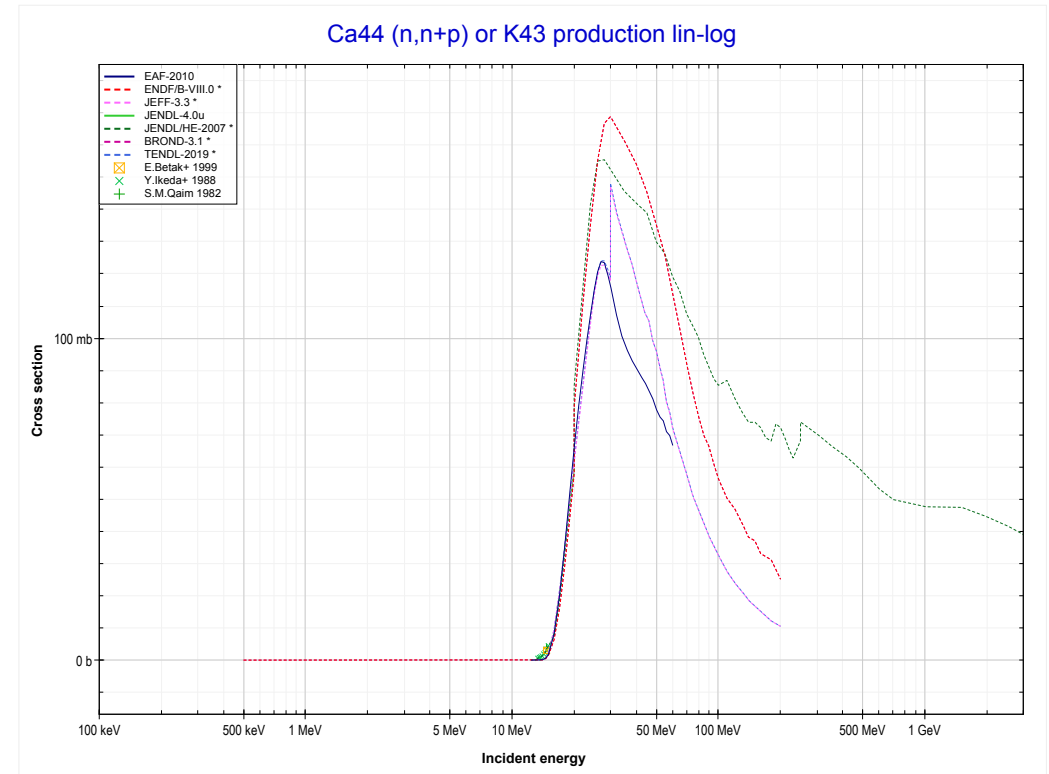
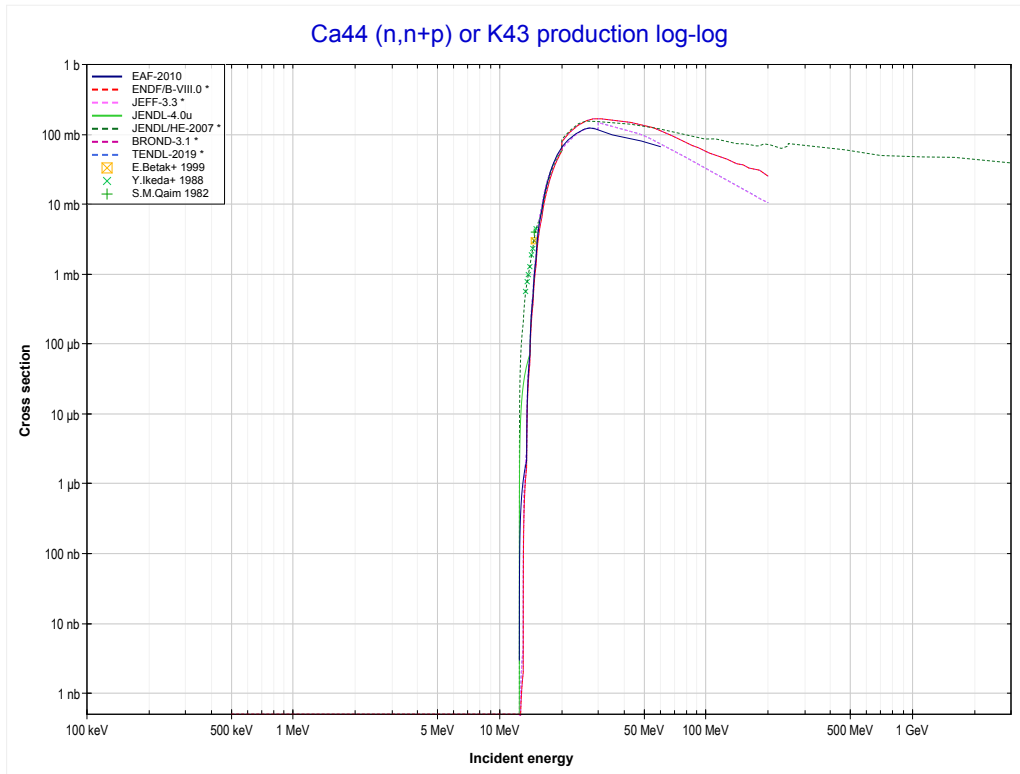
| Reaction | Q-Value |
|----------------|---------------|
| Ca43(n,d)K42 | -8451.19 keV |
| Ca43(n,n+p)K42 | -10675.76 keV |

| | | |
|-------------------------|----------------------|-----------------|
| << 20-Ca-43 | 20-Ca-44 | 20-Ca-48 >> |
| << 20-Ca-43 MT104 (n,d) | MT1 (n,total) | MT28 (n,n+p) >> |



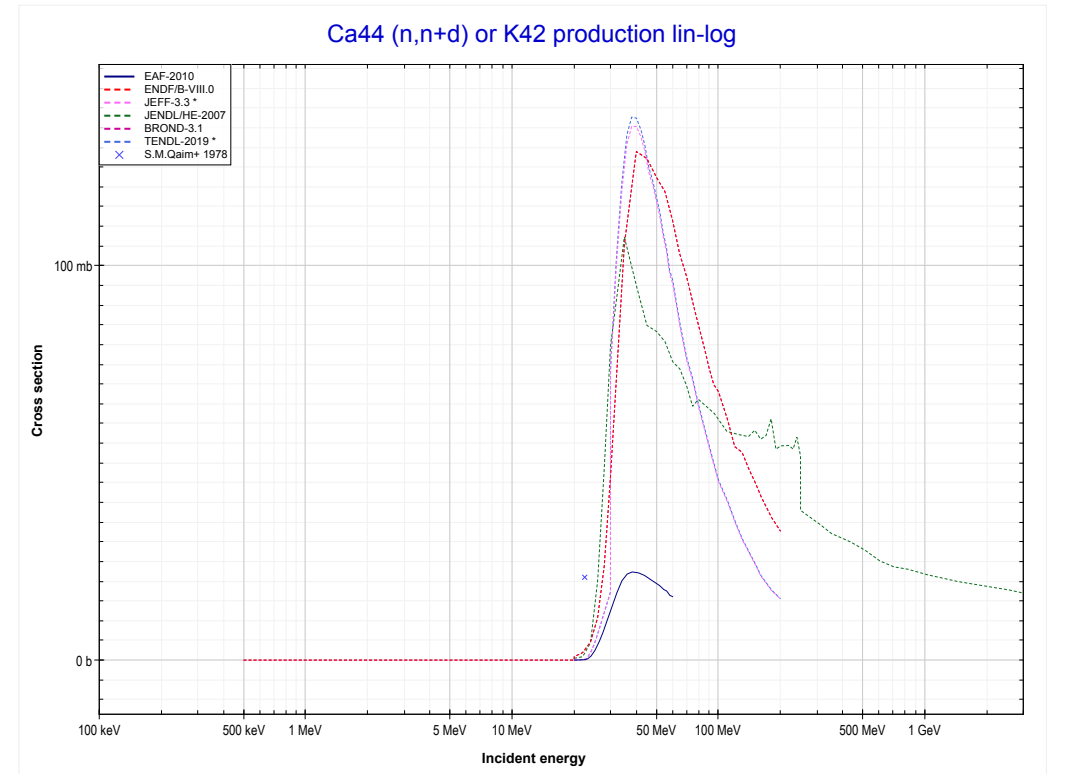
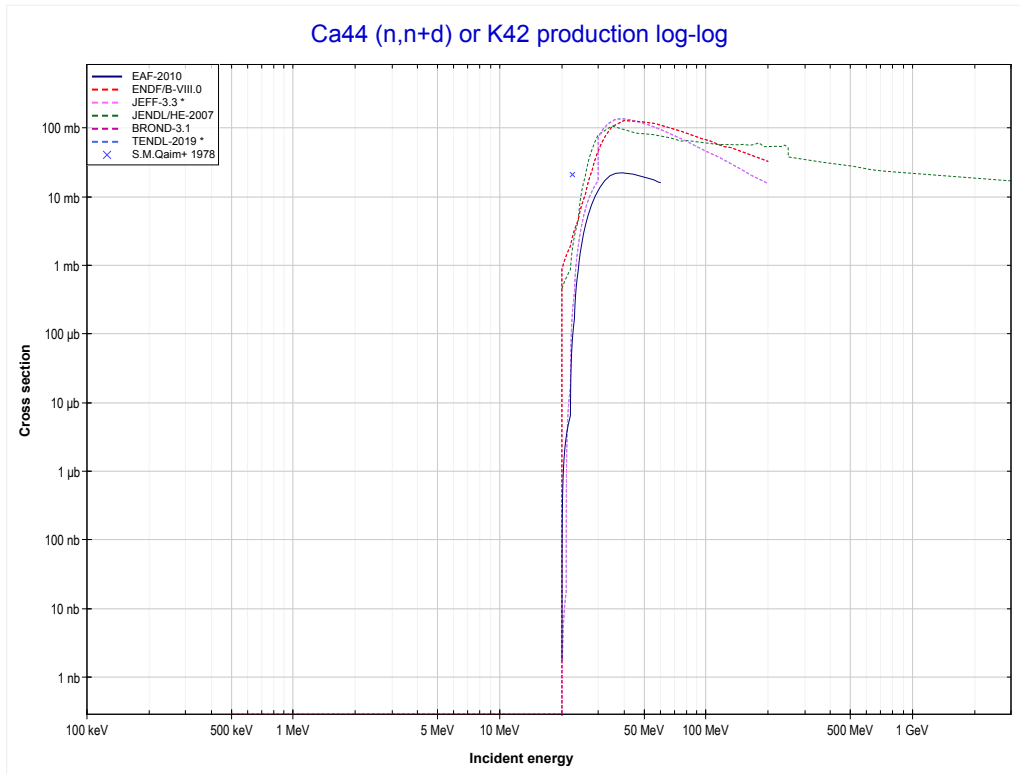
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.24648 b | 4.24648 b | 4.6776 b | 1.10153 | 35.8146 b | 3.25873 b | 2.1975 b |
| JEFF-3.3 | 5.73733 b | 5.73733 b | 6.3588 b | 1.10832 | 50.8959 b | 3.41448 b | 2.19767 b |
| JENDL-4.0u | 4.24648 b | 4.24648 b | 4.6776 b | 1.10153 | 35.8146 b | 3.18931 b | 2.093 b |
| JENDL/HE-2007 | 4.24621 b | 4.24621 b | 4.6773 b | 1.10153 | 35.8285 b | 3.3353 b | 2.34005 b |
| BROND-3.1 | 4.24648 b | 4.24648 b | 4.6776 b | 1.10153 | 35.8146 b | 3.25873 b | 2.1975 b |
| TENDL-2019 | 5.7852 b | 5.7852 b | 6.4143 b | 1.10873 | 45.1299 b | 3.39704 b | 2.19764 b |

| | | |
|------------------|---|-----------------|
| << 20-Ca-40 | 20-Ca-44 | 22-Ti-47 >> |
| << MT1 (n,total) | MT28 (n,n+p) or MT5 (K43 production) | MT32 (n,n+d) >> |



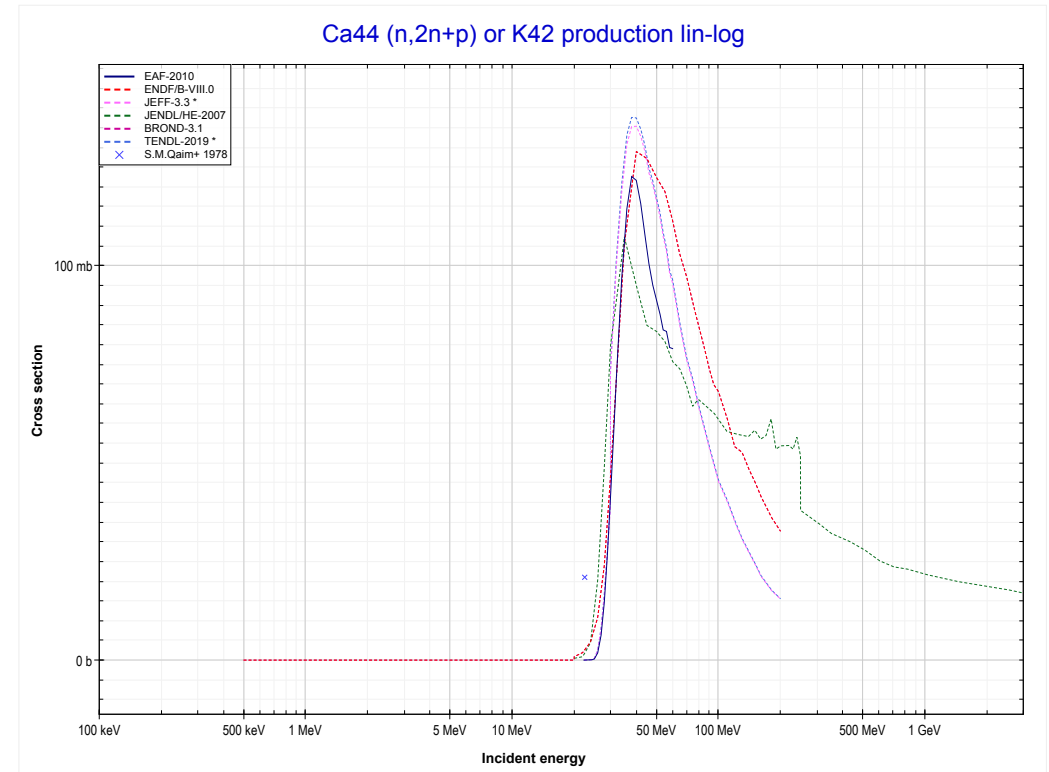
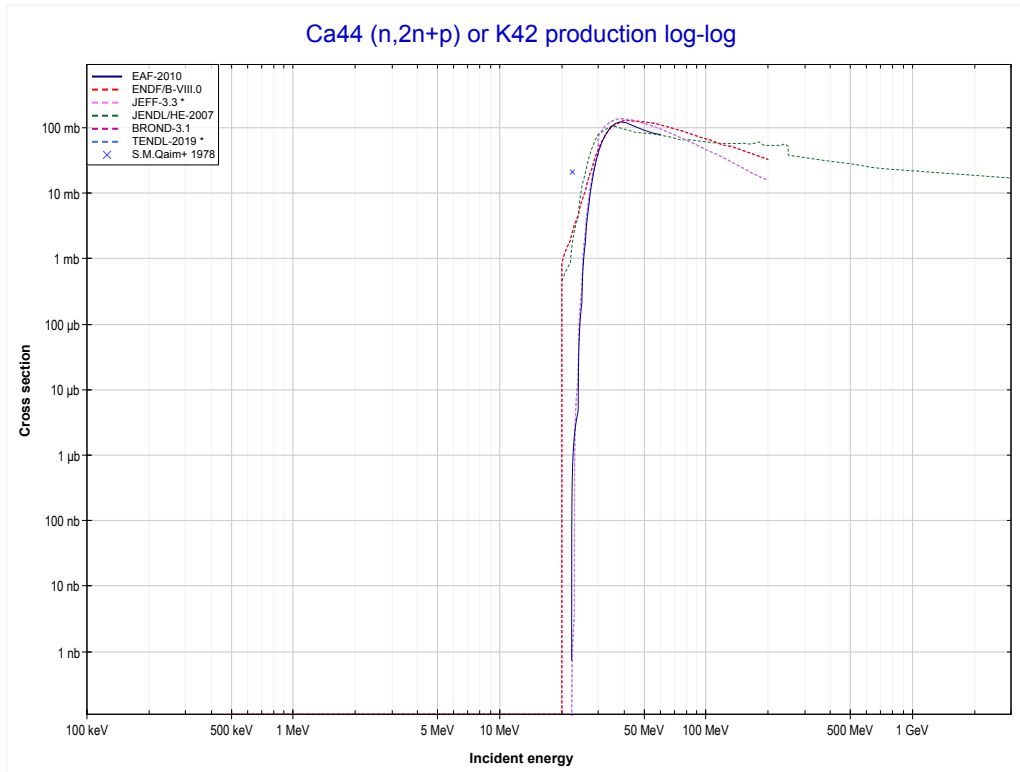
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.64185E-7 b | 5.32546E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.55245E-7 b | 7.40299E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.22422E-7 b | 7.2149E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.9961E-7 b | 0.001279 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.64185E-7 b | 5.32546E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.63449E-7 b | 7.45479E-5 b |

| | | |
|-----------------|---|------------------|
| << 20-Ca-40 | 20-Ca-44 | 22-Ti-46 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (K42 production) | MT41 (n,2n+p) >> |



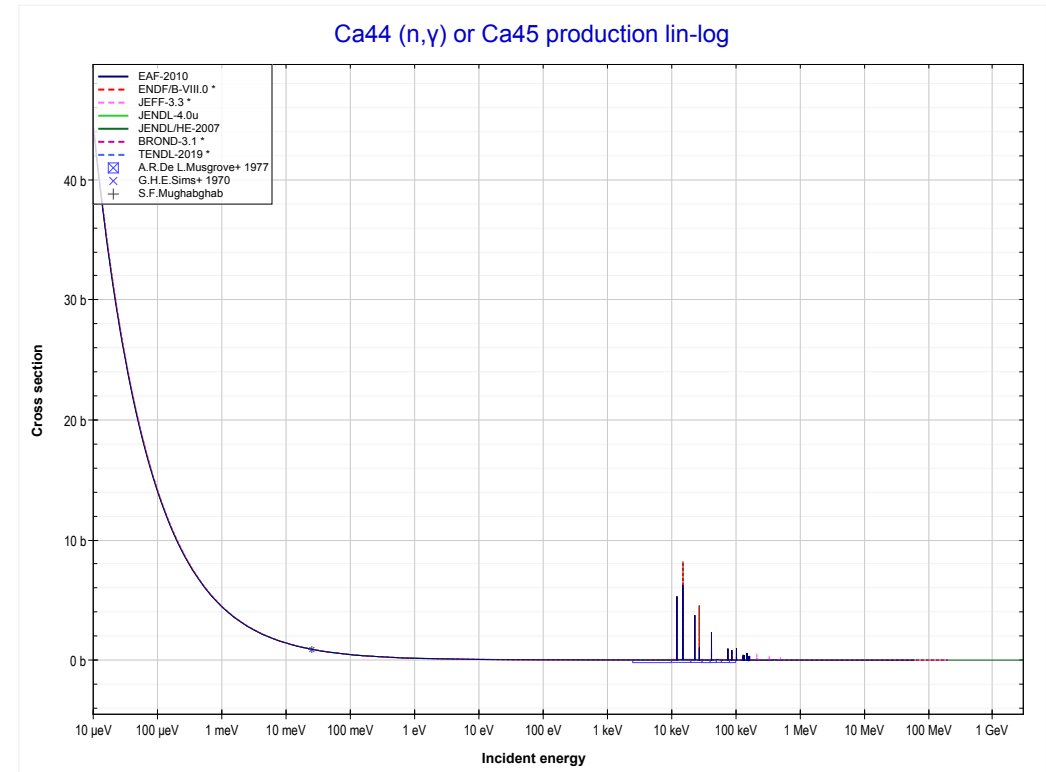
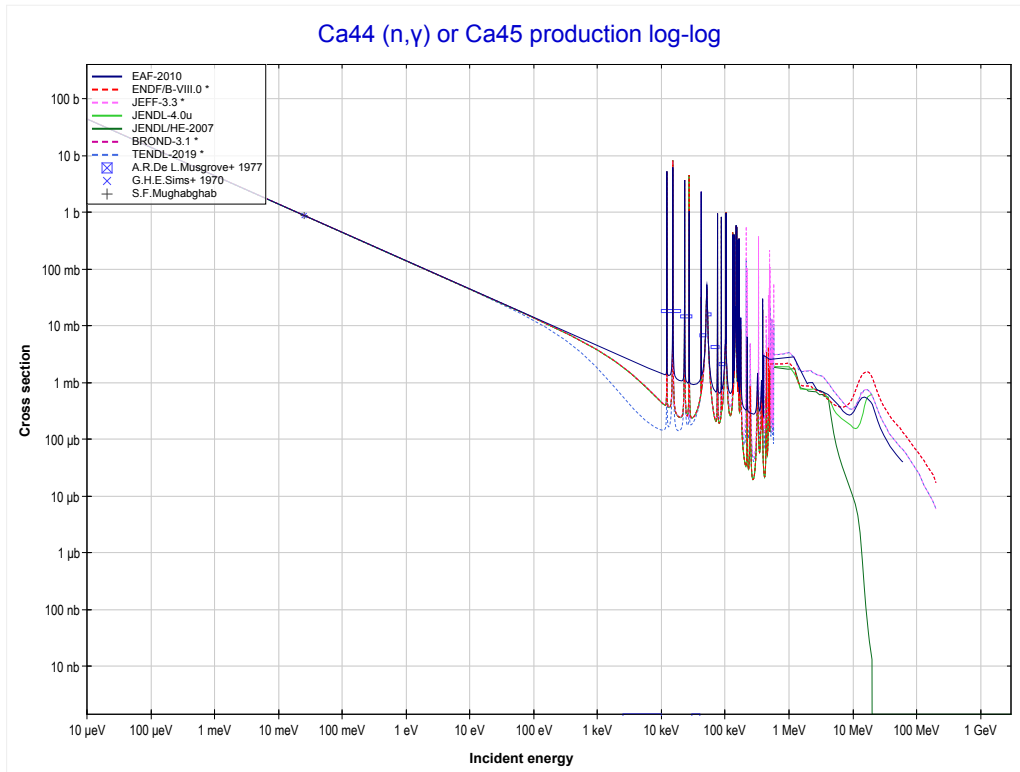
| Reaction | Q-Value |
|-----------------|---------------|
| Ca44(n,t)K42 | -13325.16 keV |
| Ca44(n,n+d)K42 | -19582.39 keV |
| Ca44(n,2n+p)K42 | -21806.96 keV |

| | | |
|-----------------|--|-------------------------|
| << 20-Ca-40 | 20-Ca-44 | 22-Ti-46 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (K42 production) | MT102 (n, γ) >> |



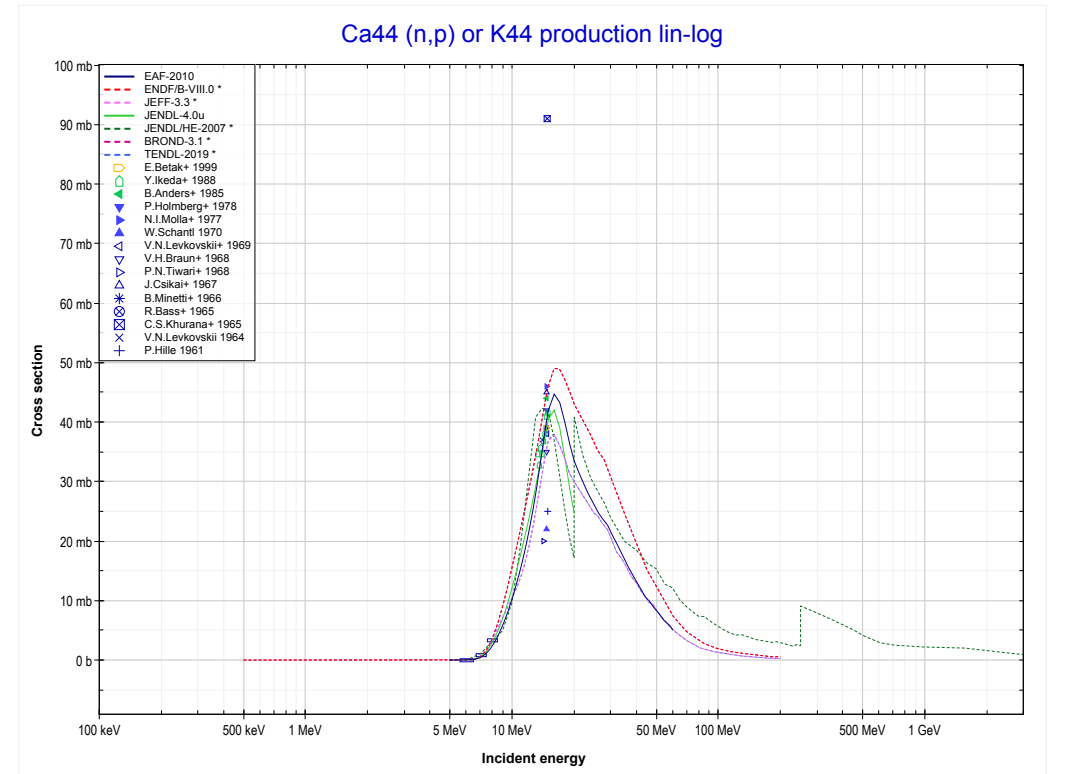
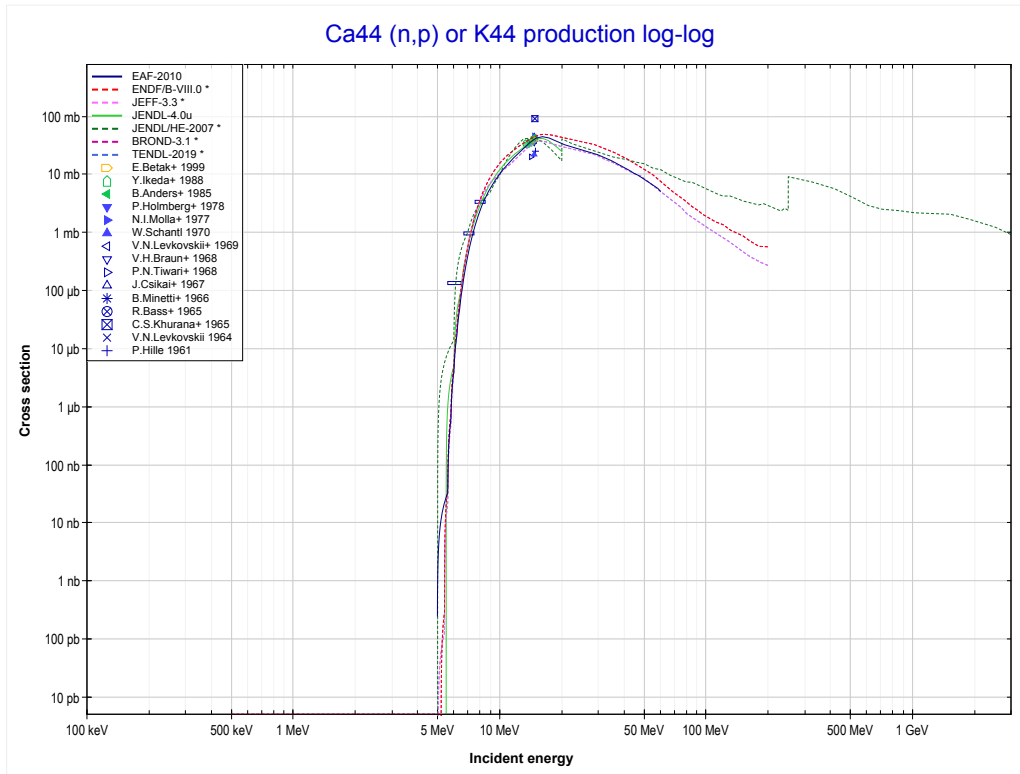
| Reaction | Q-Value |
|-----------------|---------------|
| Ca44(n,t)K42 | -13325.16 keV |
| Ca44(n,n+d)K42 | -19582.39 keV |
| Ca44(n,2n+p)K42 | -21806.96 keV |

| | | |
|------------------|---|----------------|
| << 20-Ca-43 | 20-Ca-44 | 20-Ca-45 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ca45 production) | MT103 (n,p) >> |



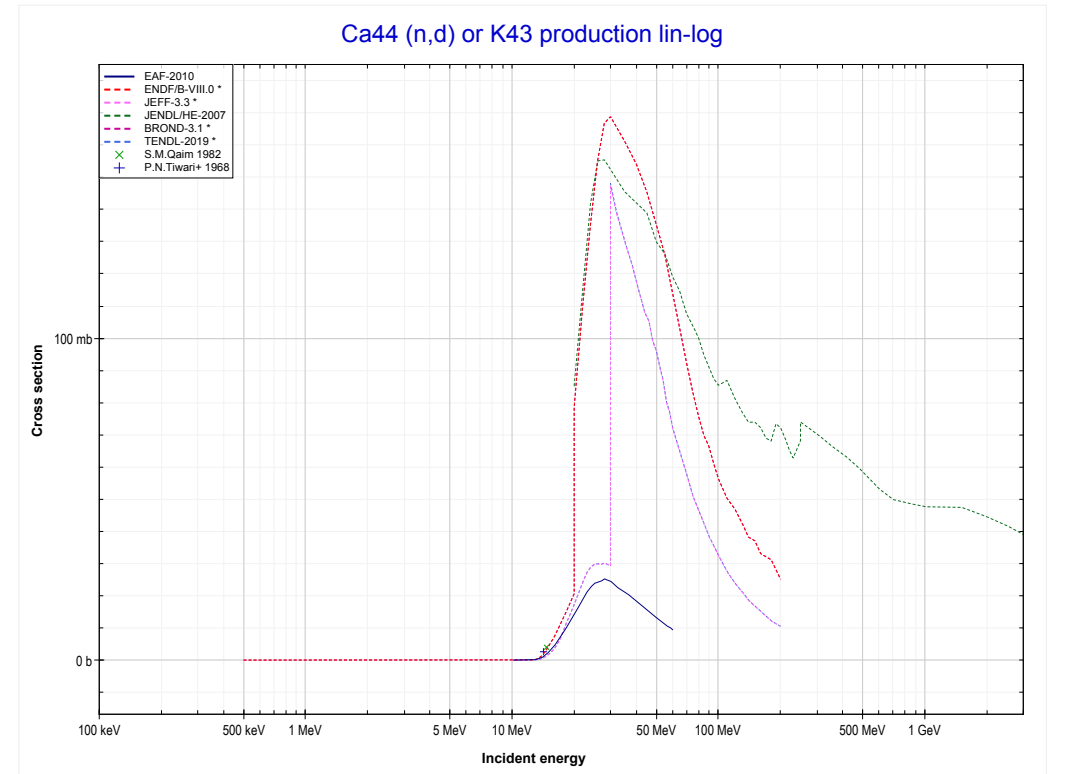
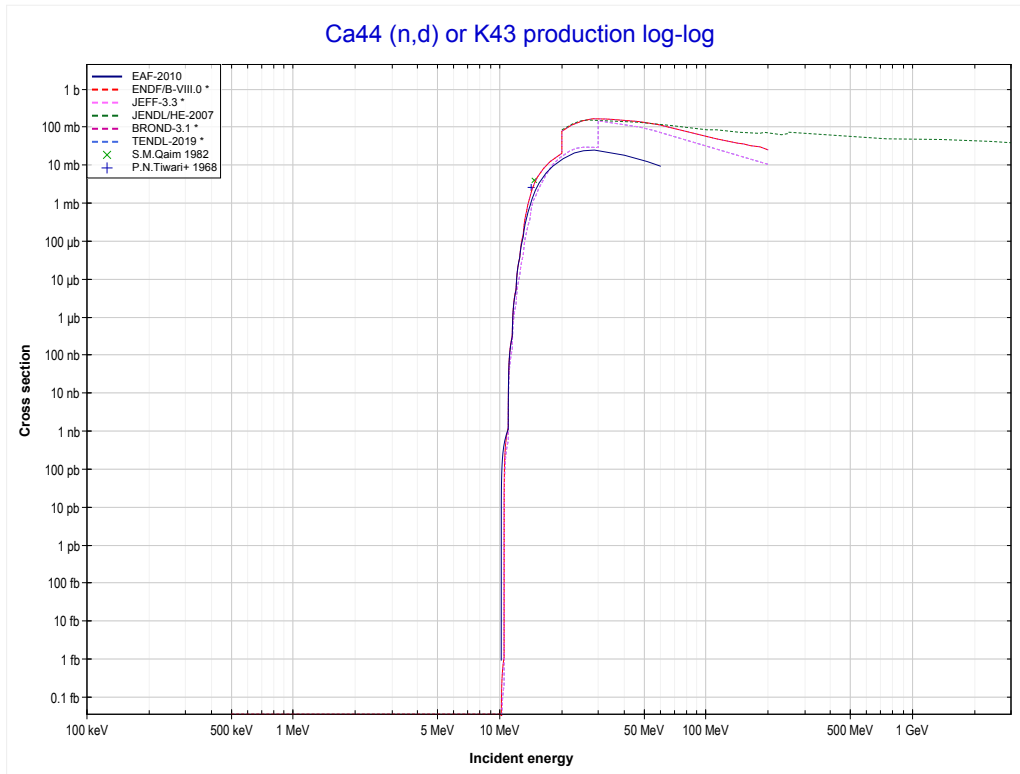
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.88161 b | 0.881044 b | 0.88272 b | 1.00201 | 0.420651 b | 0.00162129 b | 5.4312E-4 b |
| ENDF/B-VIII.0 | 0.88865 b | 0.88865 b | 0.88896 b | 1.00034 | 0.419365 b | 0.00118868 b | 0.00136146 b |
| JEFF-3.3 | 0.896371 b | 0.896371 b | 0.89668 b | 1.00034 | 0.421569 b | 0.00210058 b | 6.46962E-4 b |
| JENDL-4.0u | 0.88865 b | 0.88865 b | 0.88896 b | 1.00034 | 0.419365 b | 0.0010947 b | 2.573E-4 b |
| JENDL/HE-2007 | 0.888365 b | 0.888365 b | 0.88841 b | 1.00005 | 0.418614 b | 0.00104998 b | 7.86743E-7 b |
| BROND-3.1 | 0.88865 b | 0.88865 b | 0.88896 b | 1.00034 | 0.419365 b | 0.00118868 b | 0.00136146 b |
| TENDL-2019 | 0.884865 b | 0.884865 b | 0.8849 b | 1.00004 | 0.406193 b | 0.00184607 b | 6.46497E-4 b |

| | | |
|-------------------------|--|----------------|
| << 20-Ca-43 | 20-Ca-44 | 21-Sc-45 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (K44 production) | MT104 (n,d) >> |



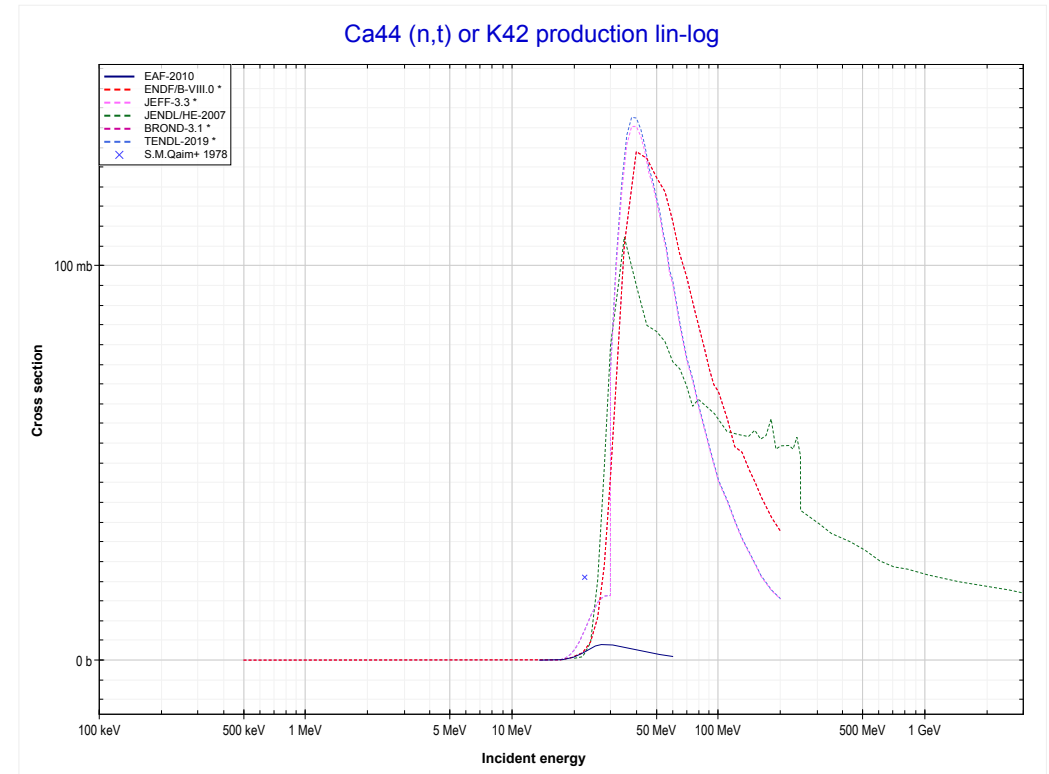
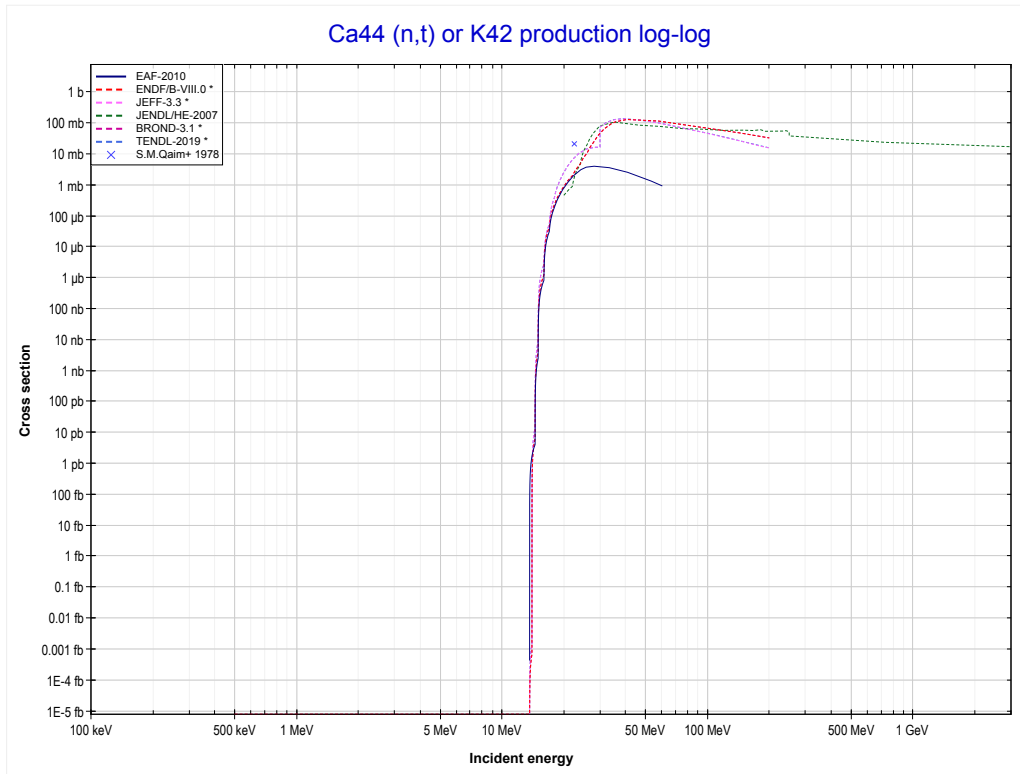
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59311E-5 b | 0.0352731 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09347E-4 b | 0.0405175 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.43657E-5 b | 0.0313016 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.88761E-5 b | 0.03493 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.63023E-5 b | 0.0423213 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09347E-4 b | 0.0405175 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.45052E-5 b | 0.0314196 b |

| | | |
|----------------|--|----------------|
| << 20-Ca-43 | 20-Ca-44 | 22-Ti-46 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (K43 production) | MT105 (n,t) >> |



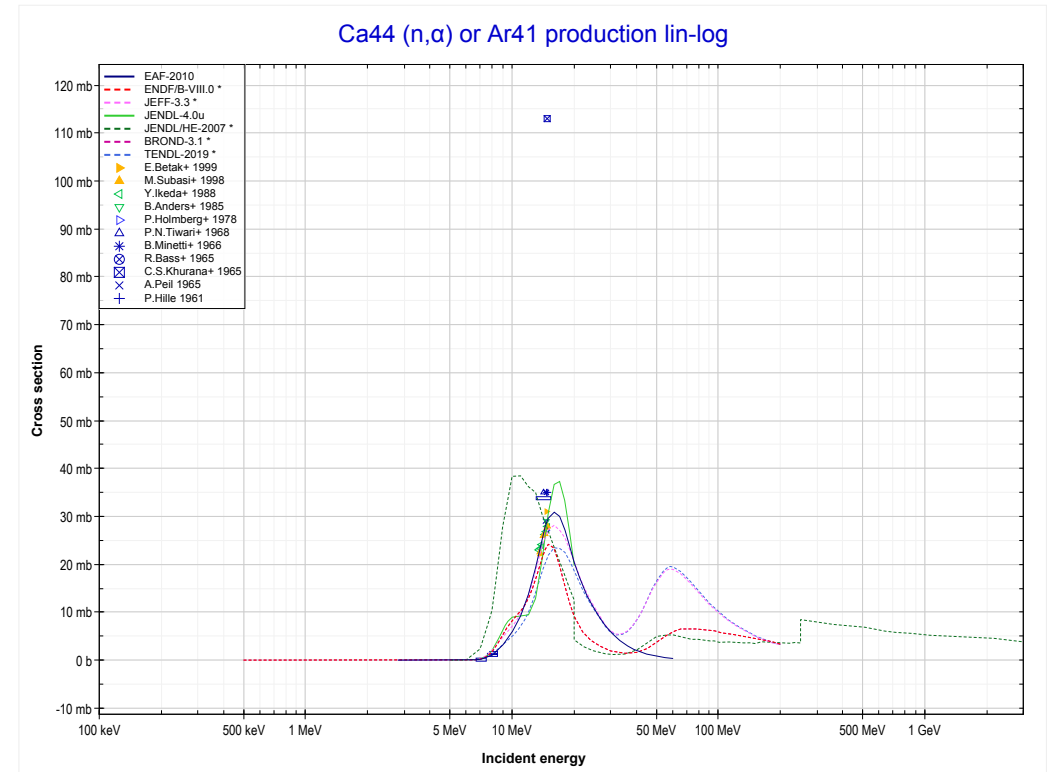
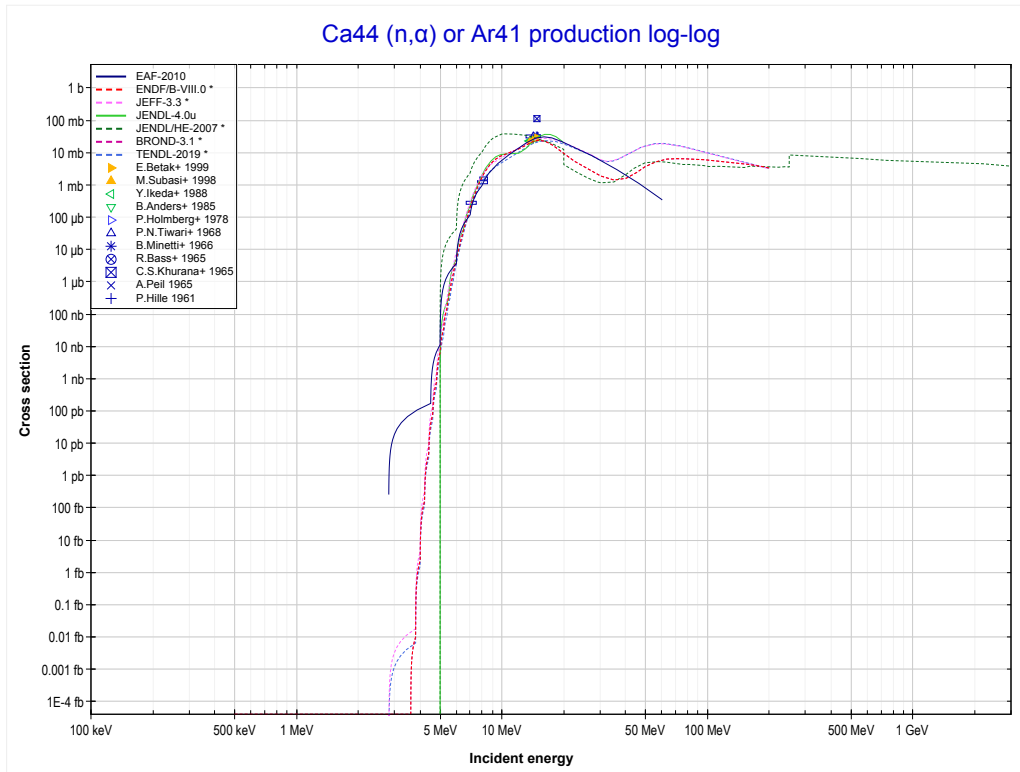
| Reaction | Q-Value |
|----------------|---------------|
| Ca44(n,d)K43 | -9957.70 keV |
| Ca44(n,n+p)K43 | -12182.27 keV |

| | | |
|----------------|--|-------------------------|
| << 20-Ca-40 | 20-Ca-44 | 22-Ti-46 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (K42 production) | MT107 (n, α) >> |



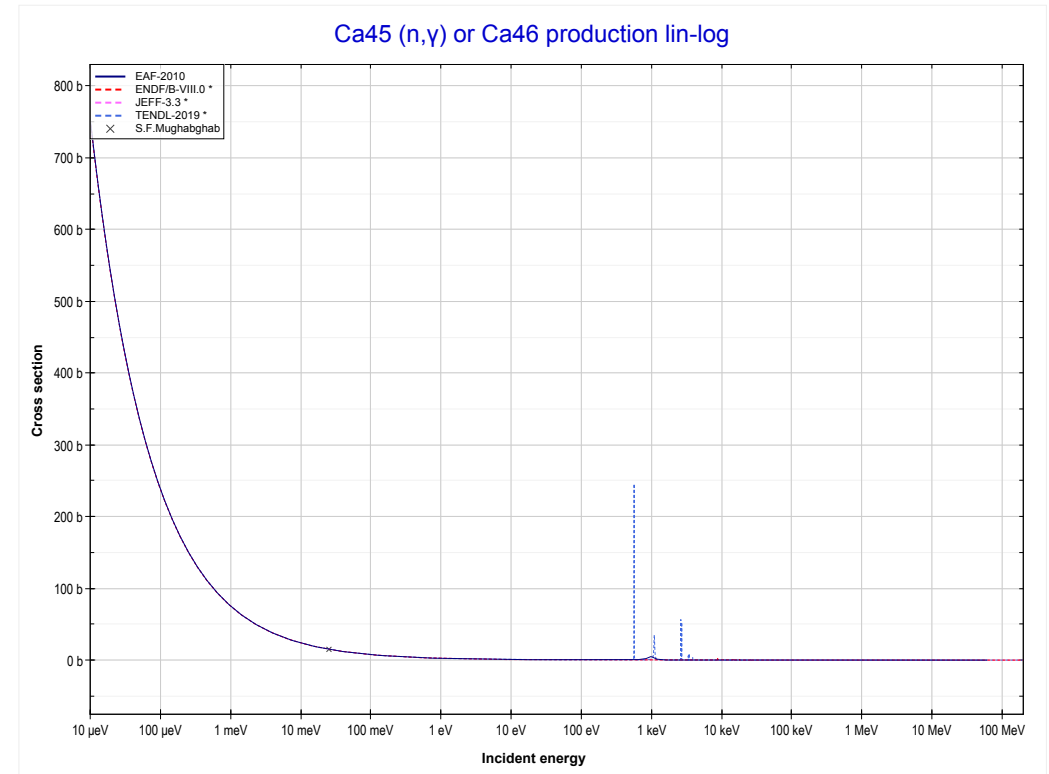
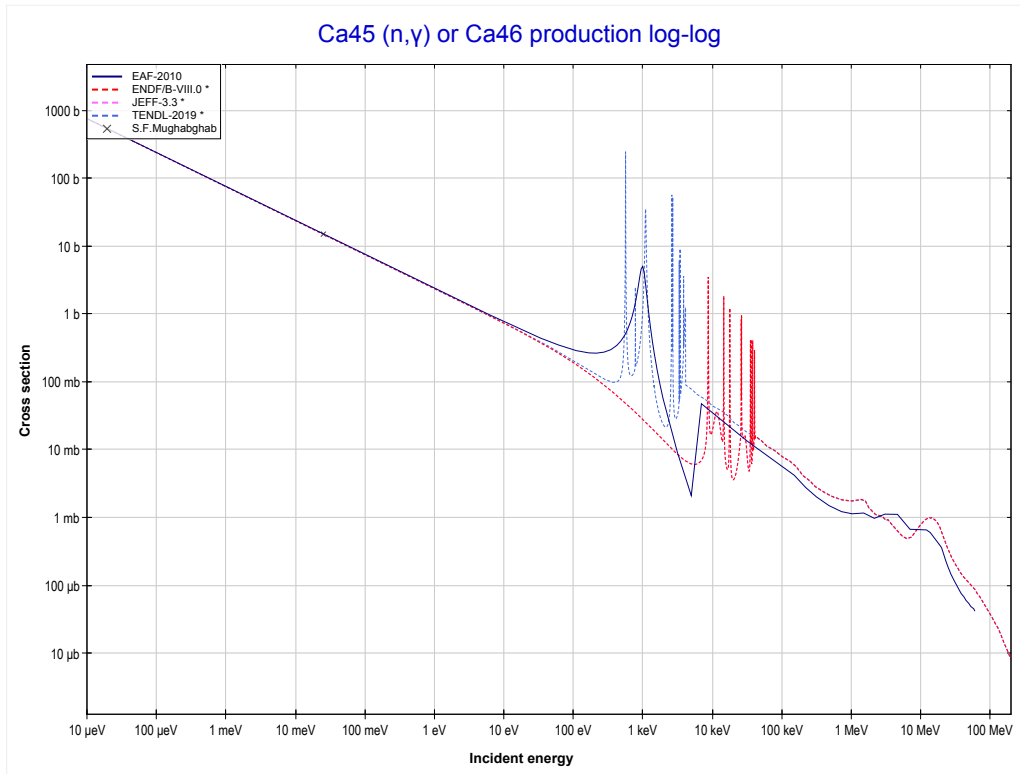
| Reaction | Q-Value |
|-----------------|---------------|
| Ca44(n,t)K42 | -13325.16 keV |
| Ca44(n,n+d)K42 | -19582.39 keV |
| Ca44(n,2n+p)K42 | -21806.96 keV |

| | | |
|----------------|---|----------------------------------|
| << 20-Ca-41 | 20-Ca-44 | 20-Ca-48 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ar41 production) | 20-Ca-45 MT102 (n, γ) >> |



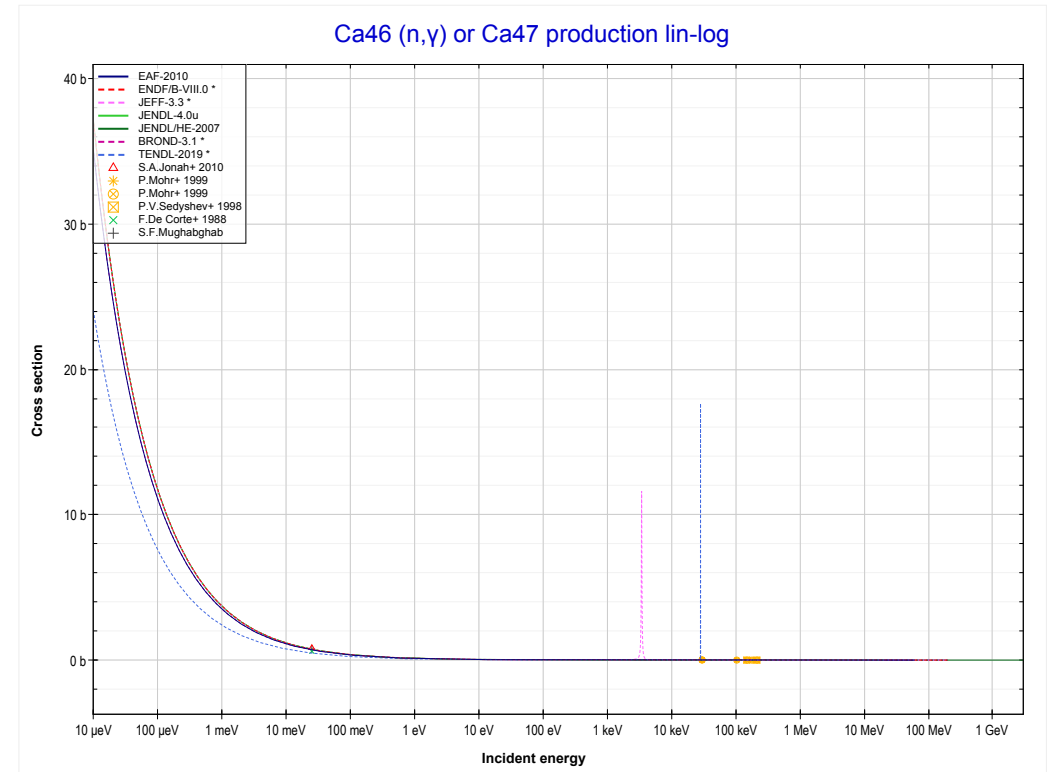
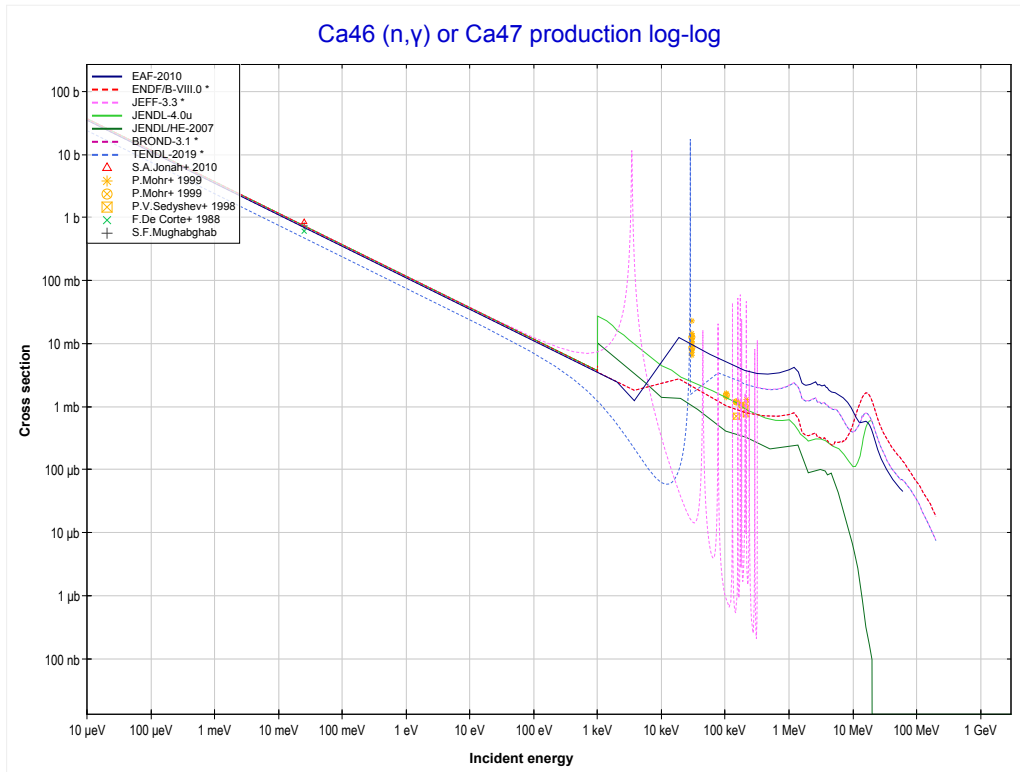
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.35362E-5 b | 0.0252192 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.53831E-5 b | 0.0213517 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.58107E-5 b | 0.0239254 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.96574E-5 b | 0.02111 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71146E-4 b | 0.0303644 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.53831E-5 b | 0.0213517 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.79837E-5 b | 0.0185713 b |

| | | |
|----------------------------------|---|----------------------------------|
| << 20-Ca-44 | 20-Ca-45 | 20-Ca-46 >> |
| << 20-Ca-44 MT107 (n, α) | MT102 (n,γ) or MT5 (Ca46 production) | 20-Ca-46 MT102 (n, γ) >> |



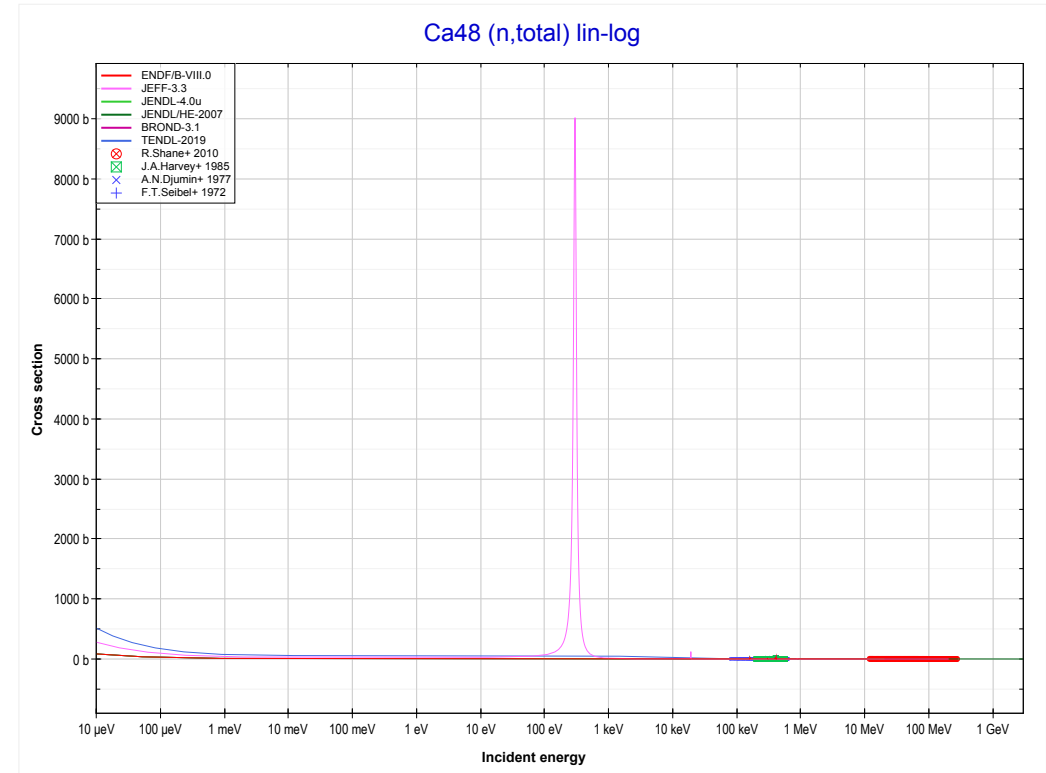
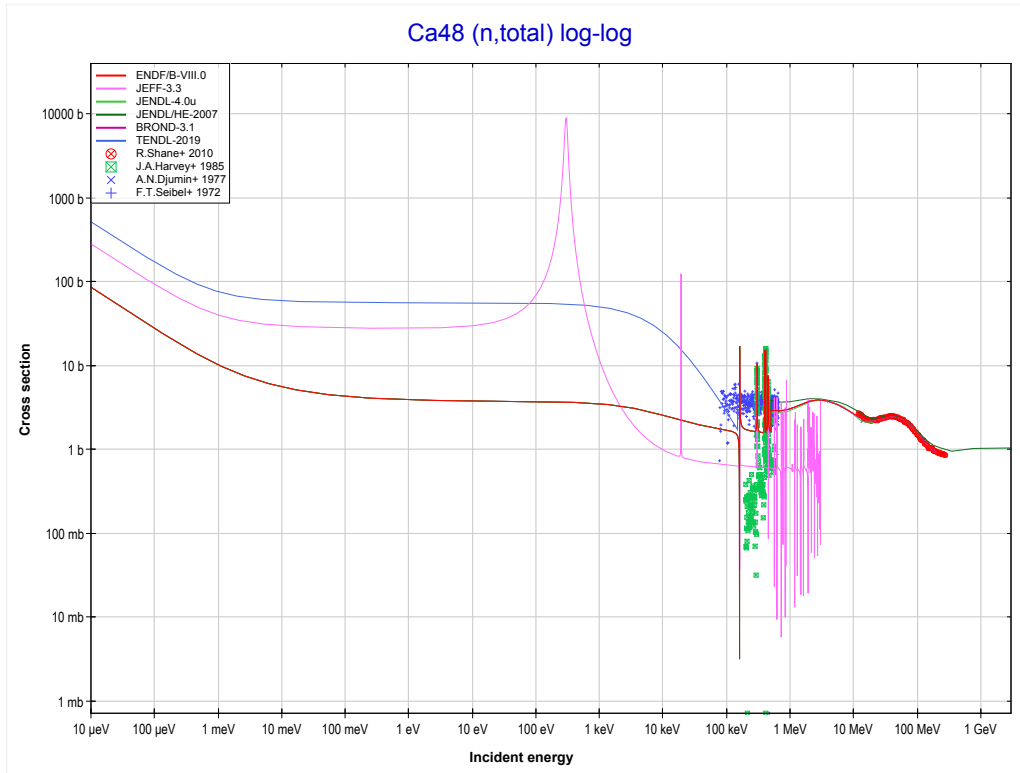
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15.0008 b | 14.9896 b | 14.99 b | 1.00003 | 8.70108 b | 0.0014146 b | 5.9E-4 b |
| ENDF/B-VIII.0 | 14.956 b | 14.956 b | 14.961 b | 1.00032 | 6.47935 b | 0.00181475 b | 9.74559E-4 b |
| JEFF-3.3 | 14.956 b | 14.956 b | 14.961 b | 1.00032 | 6.47935 b | 0.00181475 b | 9.74559E-4 b |
| TENDL-2019 | 14.9776 b | 14.9776 b | 14.978 b | 1.00003 | 10.371 b | 0.00187684 b | 9.74078E-4 b |

| | | |
|----------------------------------|---|---------------------------|
| << 20-Ca-45 | 20-Ca-46 | 20-Ca-48 >> |
| << 20-Ca-45 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ca47 production) | 20-Ca-48 MT1 (n,total) >> |



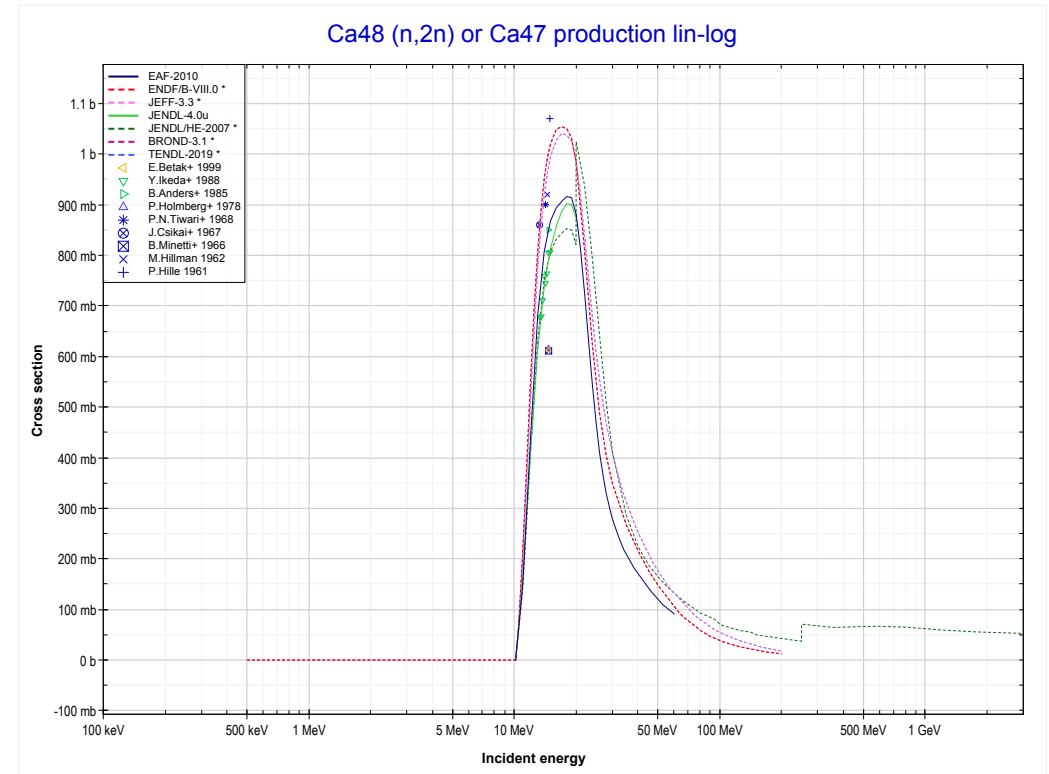
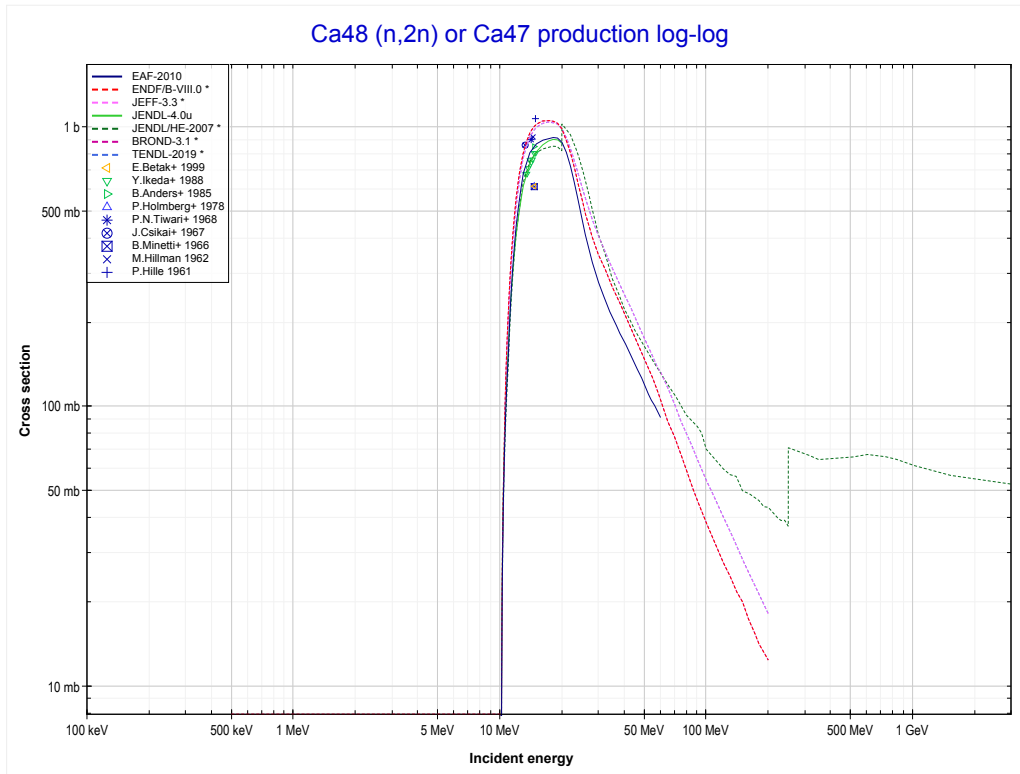
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.7 b | 0.699475 b | 0.6995 b | 1.00004 | 0.333446 b | 0.00288683 b | 5.67507E-4 b |
| ENDF/B-VIII.0 | 0.740462 b | 0.740462 b | 0.74075 b | 1.00039 | 0.336322 b | 5.34252E-4 b | 0.00139966 b |
| JEFF-3.3 | 0.739168 b | 0.739168 b | 0.73943 b | 1.00036 | 0.813686 b | 0.0015113 b | 7.18464E-4 b |
| JENDL-4.0u | 0.740254 b | 0.740254 b | 0.74051 b | 1.00035 | 0.362785 b | 4.72234E-4 b | 2.462E-4 b |
| JENDL/HE-2007 | 0.740019 b | 0.740019 b | 0.74006 b | 1.00005 | 0.33824 b | 1.74305E-4 b | 8.96643E-7 b |
| BROND-3.1 | 0.70024 b | 0.70024 b | 0.70048 b | 1.00035 | 0.318652 b | 5.34237E-4 b | 0.00139966 b |
| TENDL-2019 | 0.478708 b | 0.478708 b | 0.47873 b | 1.00004 | 0.249314 b | 0.00172041 b | 7.17154E-4 b |

| | | |
|----------------------------------|----------------------|----------------|
| << 20-Ca-44 | 20-Ca-48 | 21-Sc-45 >> |
| << 20-Ca-46 MT102 (n, γ) | MT1 (n,total) | MT16 (n,2n) >> |



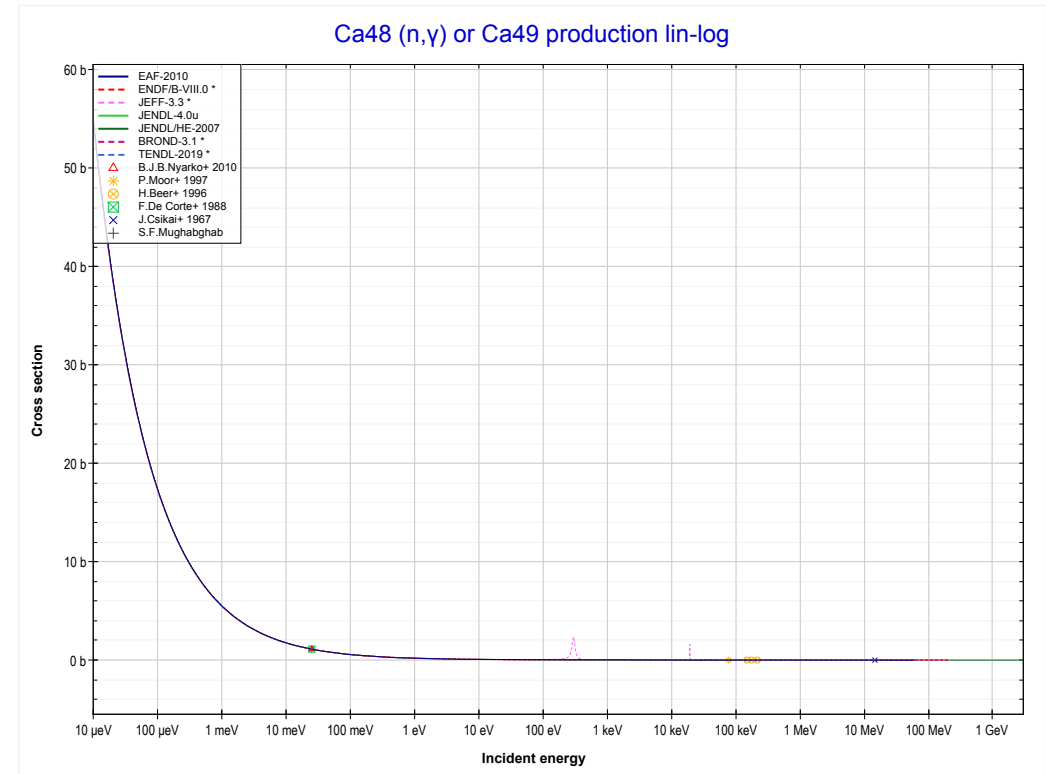
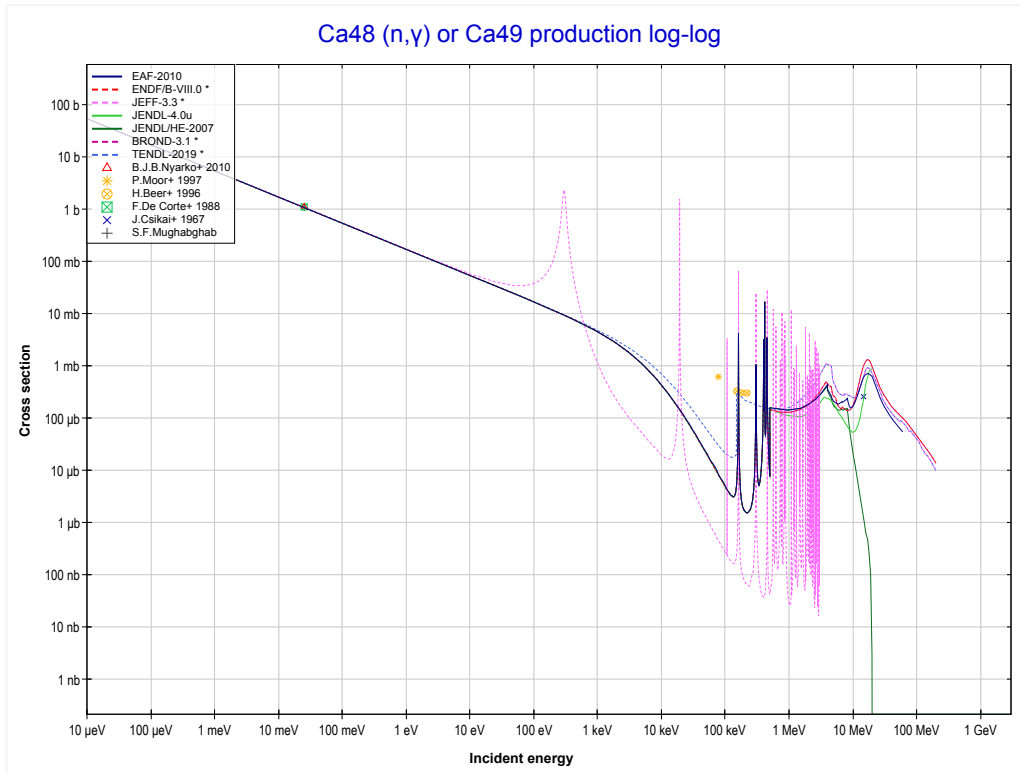
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.84866 b | 4.84866 b | 5.331 b | 1.09948 | 40.3312 b | 3.25734 b | 2.2894 b |
| JEFF-3.3 | 28.7423 b | 28.7423 b | 32.298 b | 1.1237 | 1951.51 b | 1.2532 b | 2.28945 b |
| JENDL-4.0u | 4.84866 b | 4.84866 b | 5.331 b | 1.09948 | 40.3312 b | 3.18818 b | 2.148 b |
| JENDL/HE-2007 | 4.84833 b | 4.84833 b | 5.3306 b | 1.09947 | 40.3532 b | 3.602 b | 2.61301 b |
| BROND-3.1 | 4.84866 b | 4.84866 b | 5.331 b | 1.09948 | 40.3312 b | 3.25734 b | 2.2894 b |
| TENDL-2019 | 57.4231 b | 57.4231 b | 64.656 b | 1.12596 | 536.165 b | 3.47662 b | 2.28945 b |

| | | |
|------------------|---|-------------------------|
| << 20-Ca-40 | 20-Ca-48 | 21-Sc-45 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Ca47 production) | MT102 (n, γ) >> |



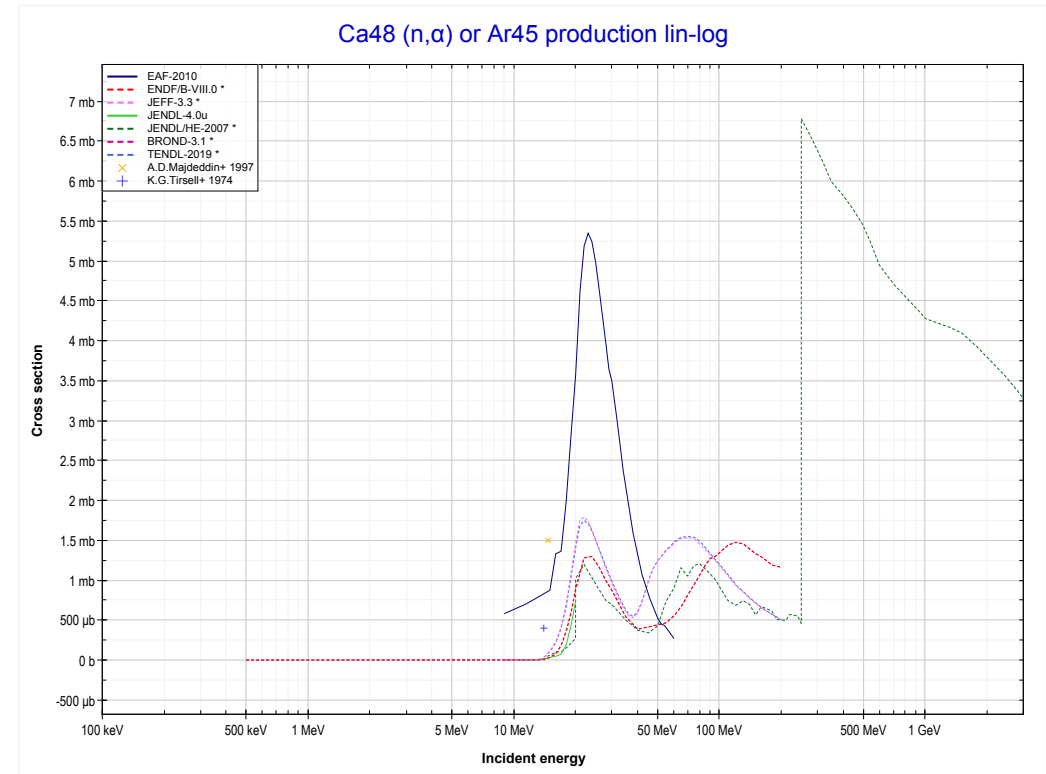
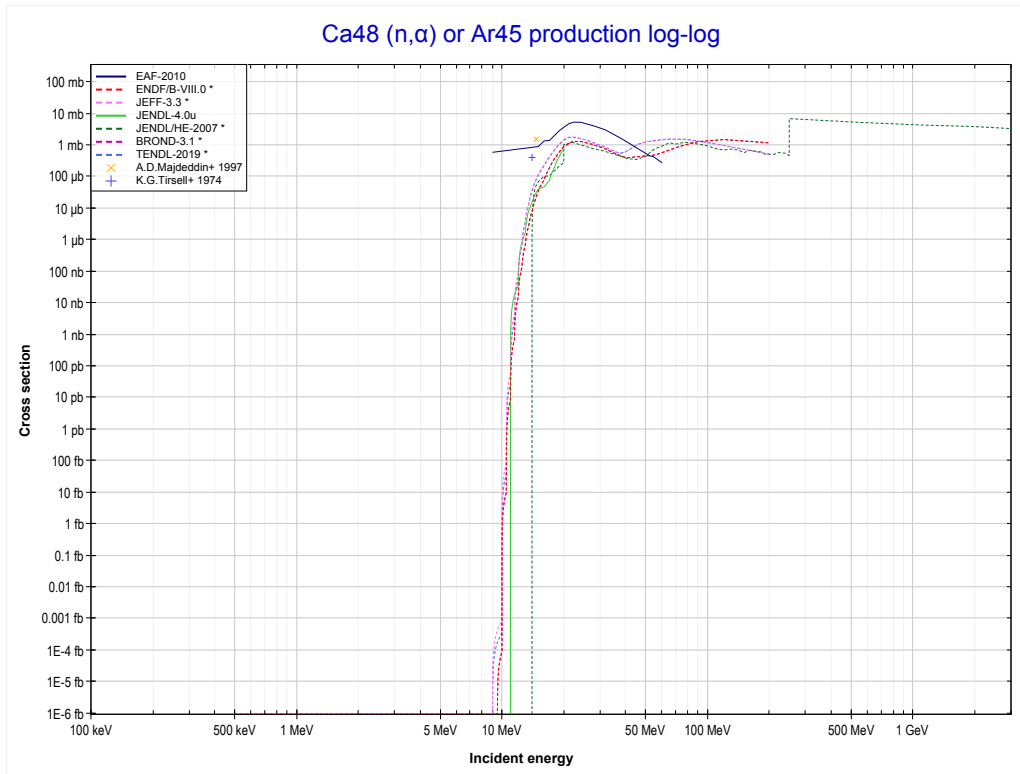
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.18708E-4 b | 0.808764 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.43687E-4 b | 0.952513 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.0863E-4 b | 0.920756 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.95845E-4 b | 0.7384 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.82719E-4 b | 0.752651 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.43687E-4 b | 0.952513 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.09343E-4 b | 0.920955 b |

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|----------------|---|-------------------------|
| << 20-Ca-46 | 20-Ca-48 | 21-Sc-45 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ca49 production) | MT107 (n, α) >> |



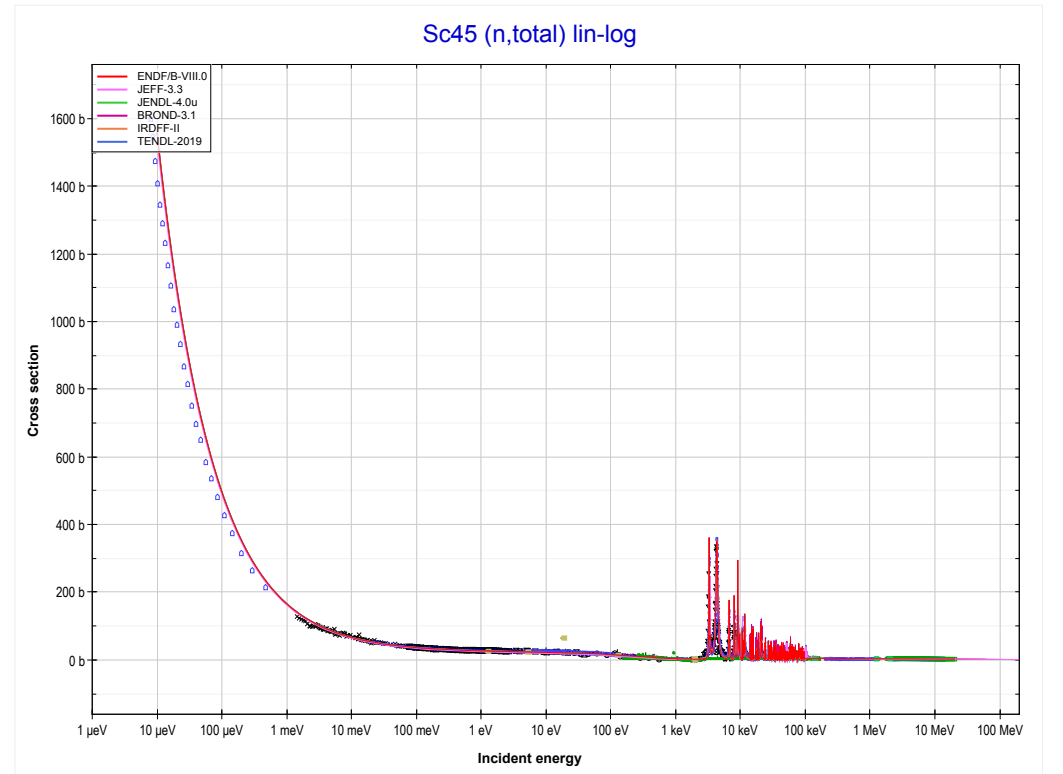
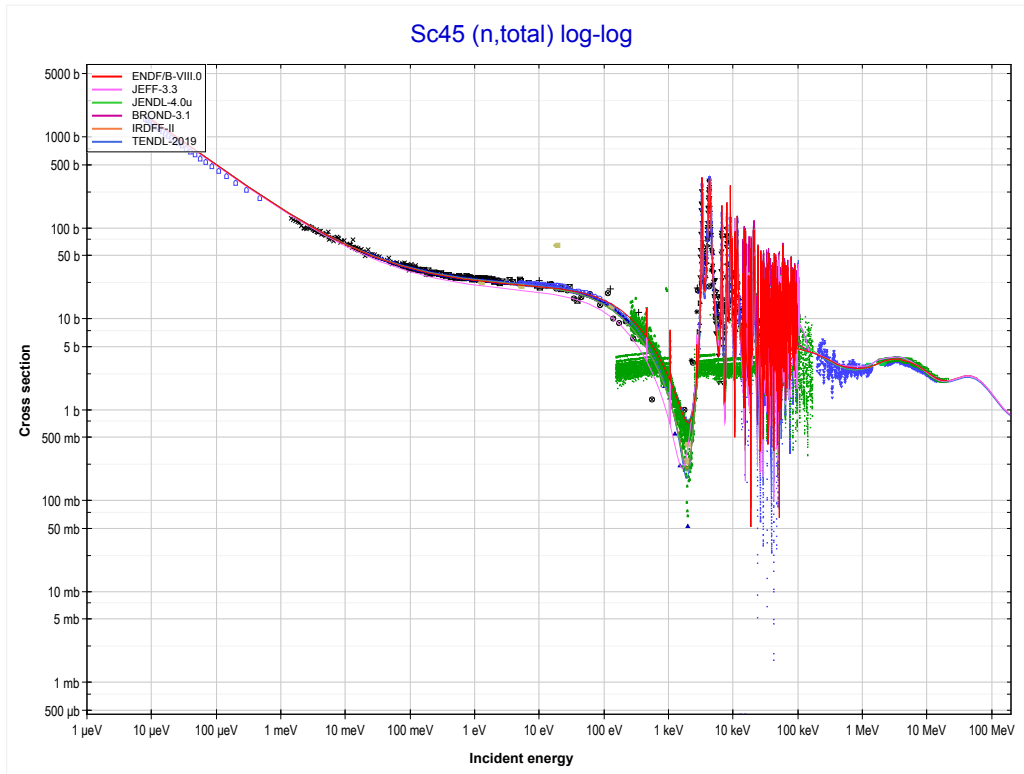
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.0944 b | 1.09368 b | 1.0957 b | 1.00194 | 0.484884 b | 1.95456E-4 b | 5.2467E-4 b |
| ENDF/B-VIII.0 | 1.09306 b | 1.09306 b | 1.0934 b | 1.00035 | 0.484636 b | 2.03862E-4 b | 8.4207E-4 b |
| JEFF-3.3 | 1.08612 b | 1.08612 b | 1.0866 b | 1.00043 | 0.963334 b | 1.78659E-4 b | 5.26972E-4 b |
| JENDL-4.0u | 1.09306 b | 1.09306 b | 1.0934 b | 1.00035 | 0.484636 b | 1.45366E-4 b | 1.678E-4 b |
| JENDL/HE-2007 | 1.09271 b | 1.09271 b | 1.0928 b | 1.00005 | 0.483718 b | 1.8819E-4 b | 1.78649E-6 b |
| BROND-3.1 | 1.09306 b | 1.09306 b | 1.0934 b | 1.00035 | 0.484636 b | 2.03862E-4 b | 8.4207E-4 b |
| TENDL-2019 | 1.08767 b | 1.08767 b | 1.0877 b | 1.00006 | 0.483419 b | 3.53087E-4 b | 5.25977E-4 b |

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|-------------------------|---|---------------------------|
| << 20-Ca-44 | 20-Ca-48 | 21-Sc-45 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Ar45 production) | 21-Sc-45 MT1 (n,total) >> |



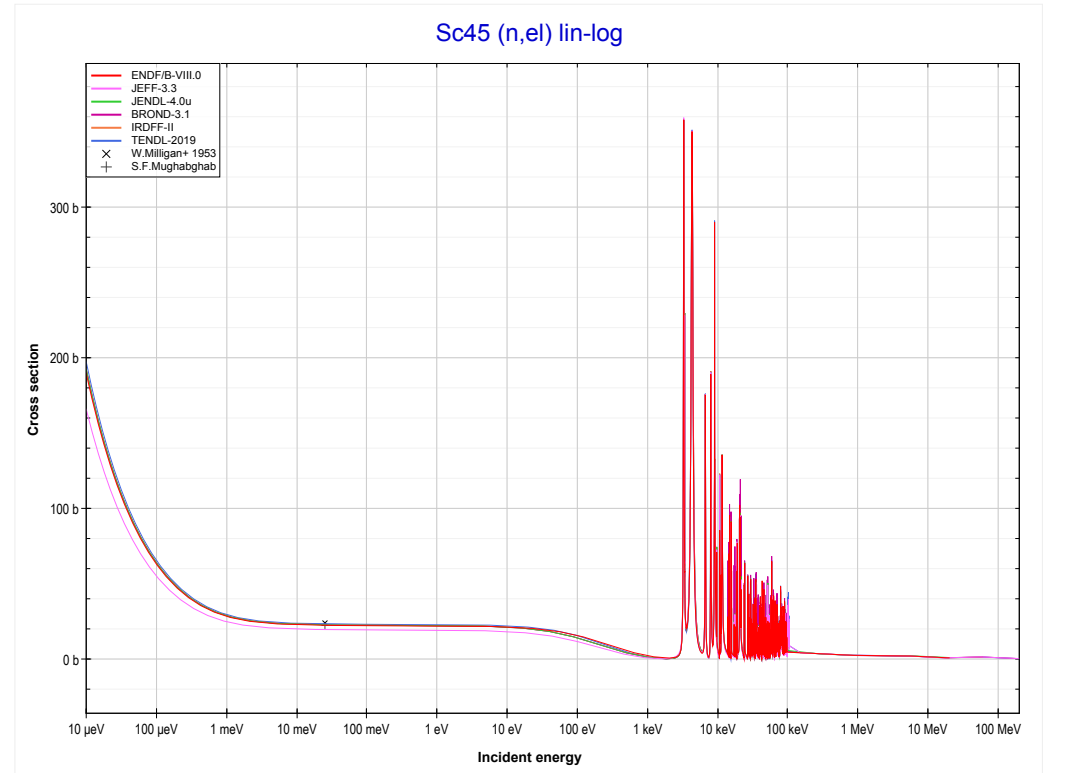
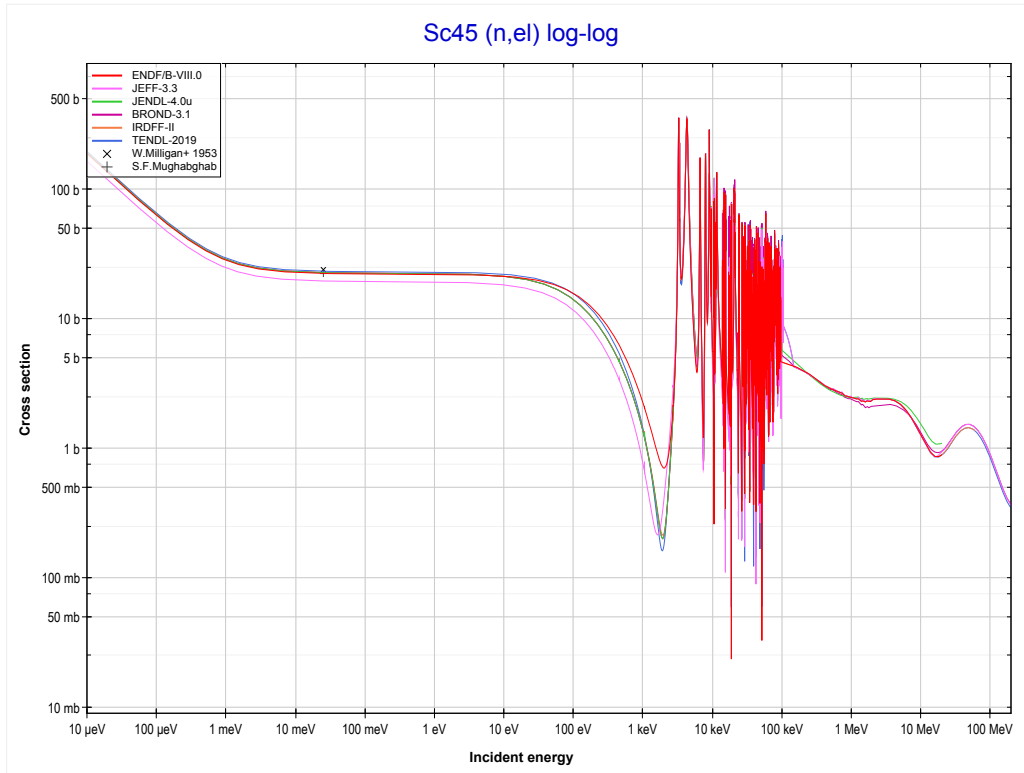
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.28493E-7 b | 8.26133E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.58245E-9 b | 7.68717E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47854E-8 b | 3.52489E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.69385E-9 b | 1.502E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.98966E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.58245E-9 b | 7.68717E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.3461E-8 b | 3.35979E-5 b |

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|----------------------------------|----------------------|--------------------|
| << 20-Ca-48 | 21-Sc-45 | 22-Ti-46 >> |
| << 20-Ca-48 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



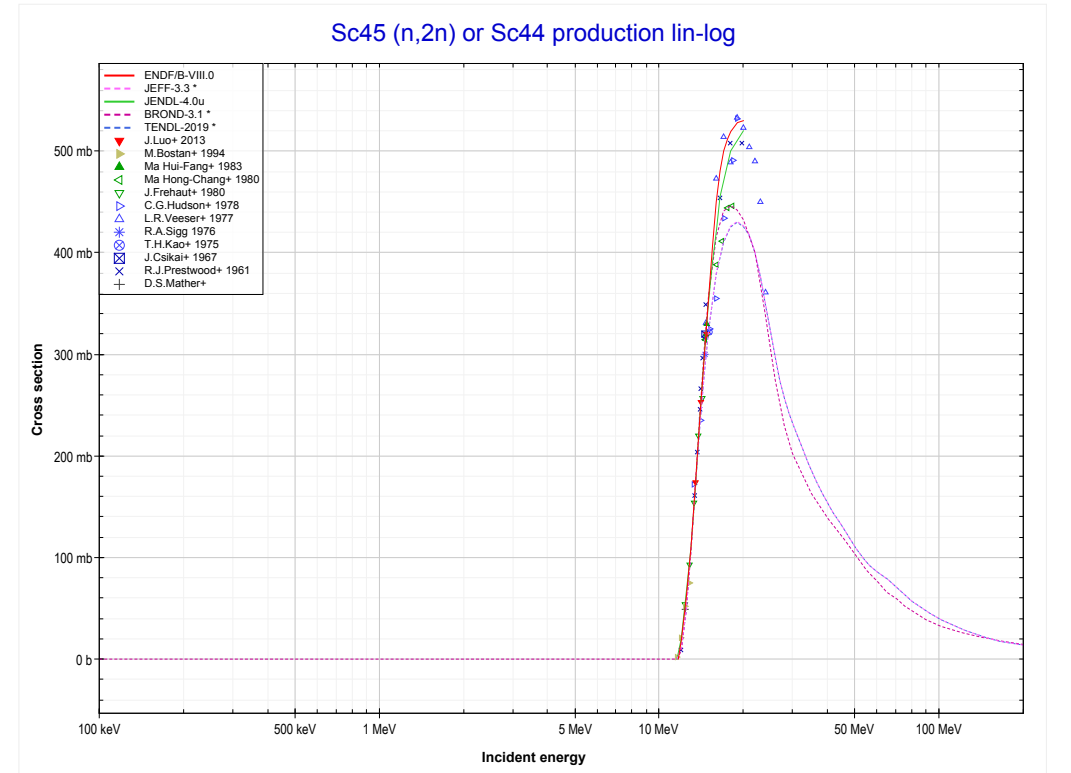
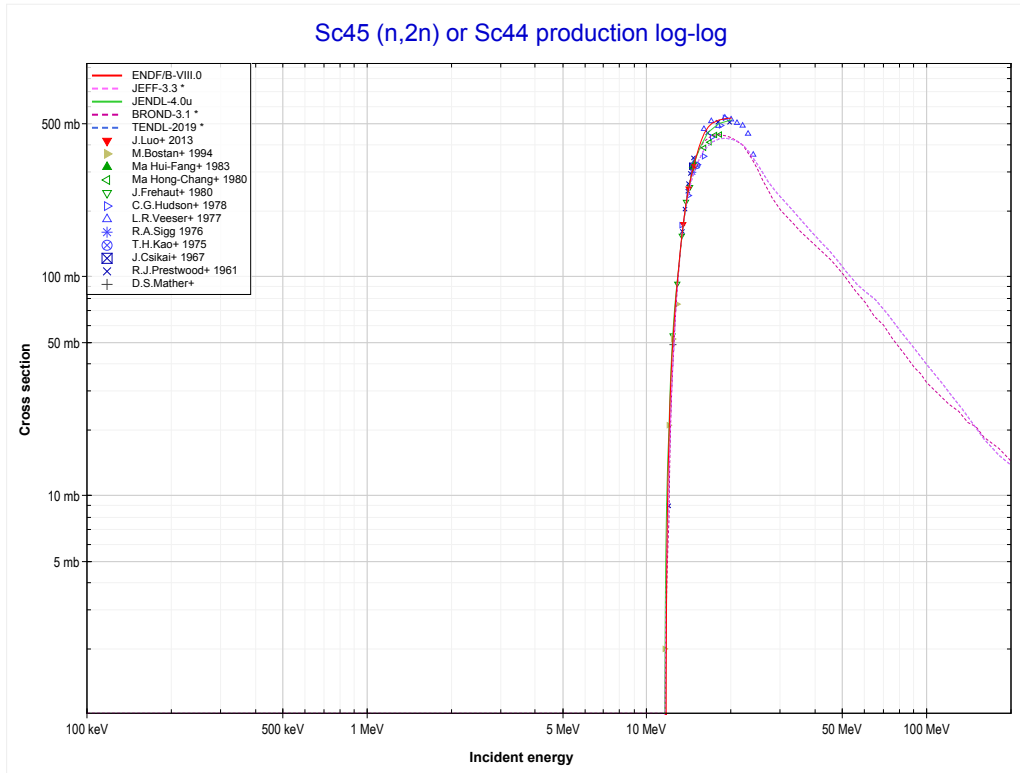
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 49.5894 b | 49.5894 b | 52.473 b | 1.05814 | 236.112 b | 3.37748 b | 2.19974 b |
| JEFF-3.3 | 46.7493 b | 46.7493 b | 49.269 b | 1.0539 | 212.036 b | 3.56936 b | 2.15497 b |
| JENDL-4.0u | 49.8819 b | 49.8819 b | 52.803 b | 1.05857 | 233.131 b | 3.35076 b | 2.17526 b |
| BROND-3.1 | 49.8839 b | 49.8839 b | 52.805 b | 1.05856 | 233.16 b | 3.38302 b | 2.2215 b |
| IRDFF-II | 49.9869 b | 49.9869 b | 52.921 b | 1.0587 | 232.952 b | 3.37931 b | 2.1997 b |
| TENDL-2019 | 50.5509 b | 50.5509 b | 53.544 b | 1.05921 | 235.914 b | 3.57345 b | 2.15497 b |

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|------------------|------------------------|----------------|
| << 20-Ca-42 | 21-Sc-45 | 22-Ti-46 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



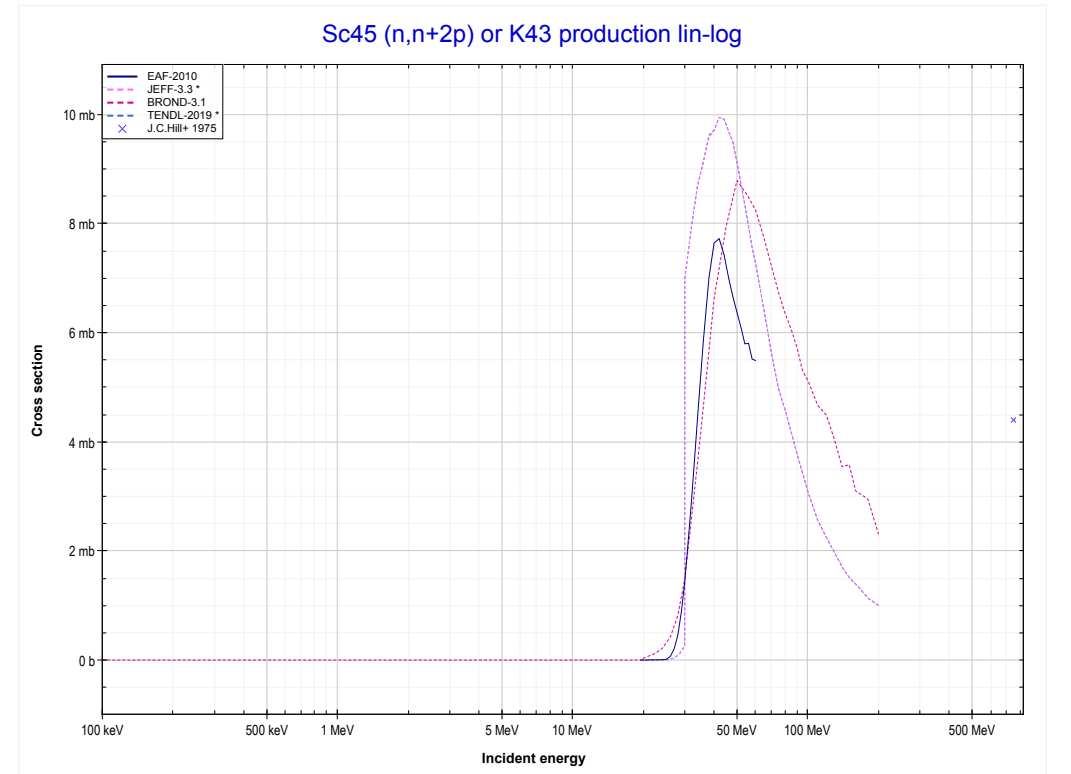
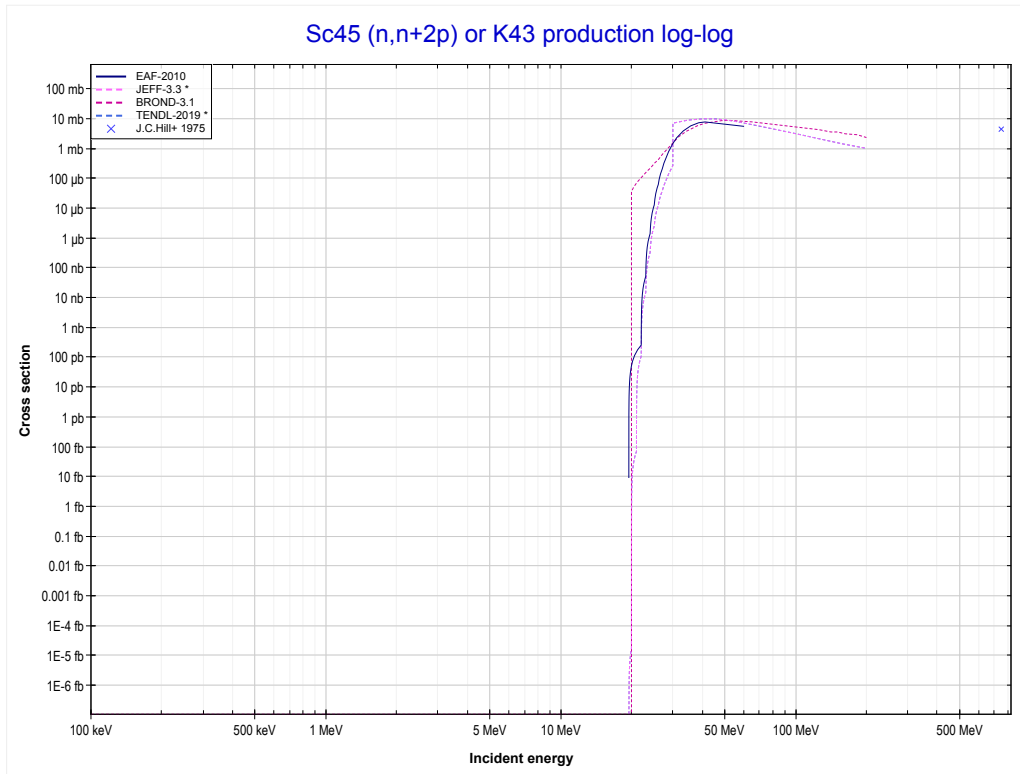
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.4232 b | 22.4232 b | 25.298 b | 1.12822 | 224.051 b | 2.65497 b | 0.9224 b |
| JEFF-3.3 | 19.6137 b | 19.6137 b | 22.127 b | 1.12816 | 200.237 b | 2.69174 b | 0.916134 b |
| JENDL-4.0u | 22.7346 b | 22.7346 b | 25.648 b | 1.12817 | 221.29 b | 2.69424 b | 1.15855 b |
| BROND-3.1 | 22.7346 b | 22.7346 b | 25.648 b | 1.12817 | 221.282 b | 2.5129 b | 0.988971 b |
| IRDFF-II | 22.7776 b | 22.7776 b | 25.705 b | 1.12851 | 221.1 b | 2.65667 b | 0.922402 b |
| TENDL-2019 | 23.3317 b | 23.3317 b | 26.324 b | 1.12826 | 223.83 b | 2.69555 b | 0.916134 b |

| | | |
|--------------------|---|------------------|
| << 20-Ca-48 | 21-Sc-45 | 22-Ti-46 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sc44 production) | MT44 (n,n+2p) >> |



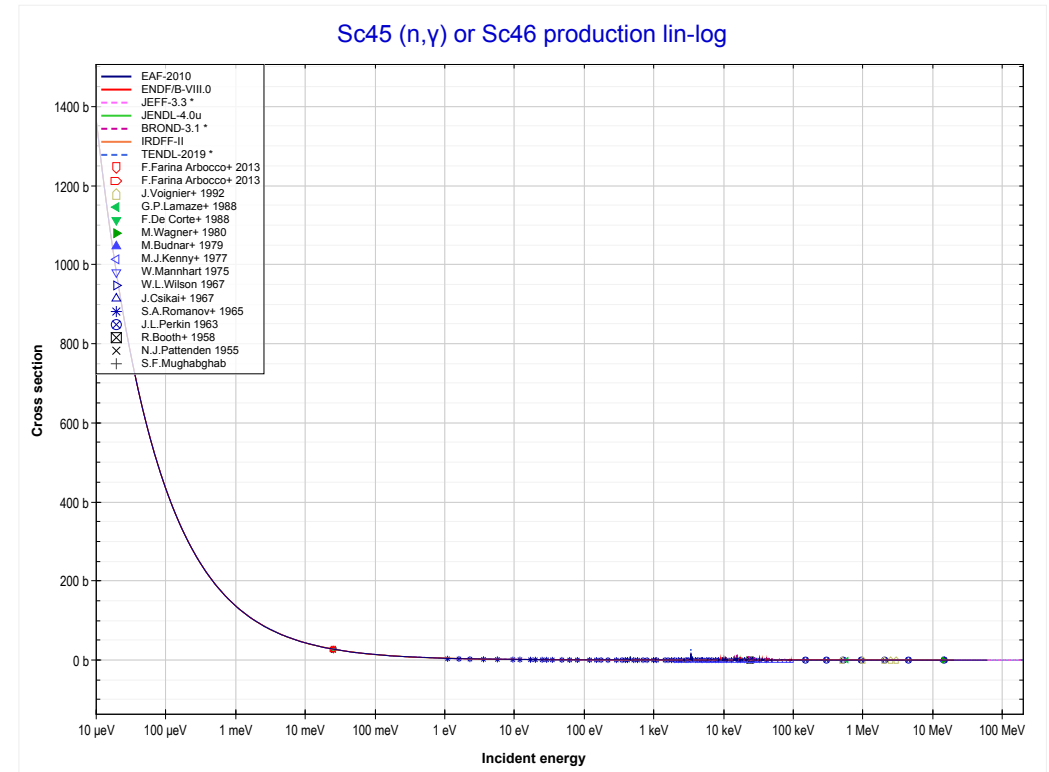
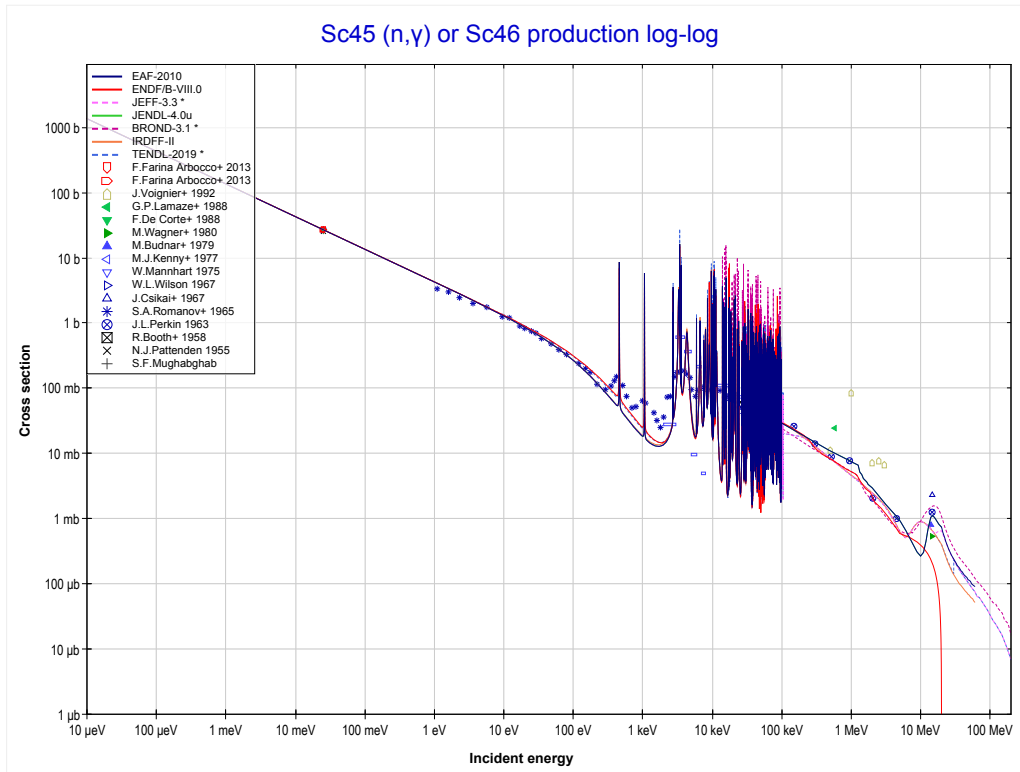
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.83135E-5 b | 0.24 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.10118E-5 b | 0.231733 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.8328E-5 b | 0.24 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.35902E-5 b | 0.242652 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.0876E-5 b | 0.231324 b |

| | | |
|----------------|--|-------------------------|
| << 15-P-31 | 21-Sc-45 | 23-V-51 >> |
| << MT16 (n,2n) | MT44 (n,n+2p) or MT5 (K43 production) | MT102 (n, γ) >> |



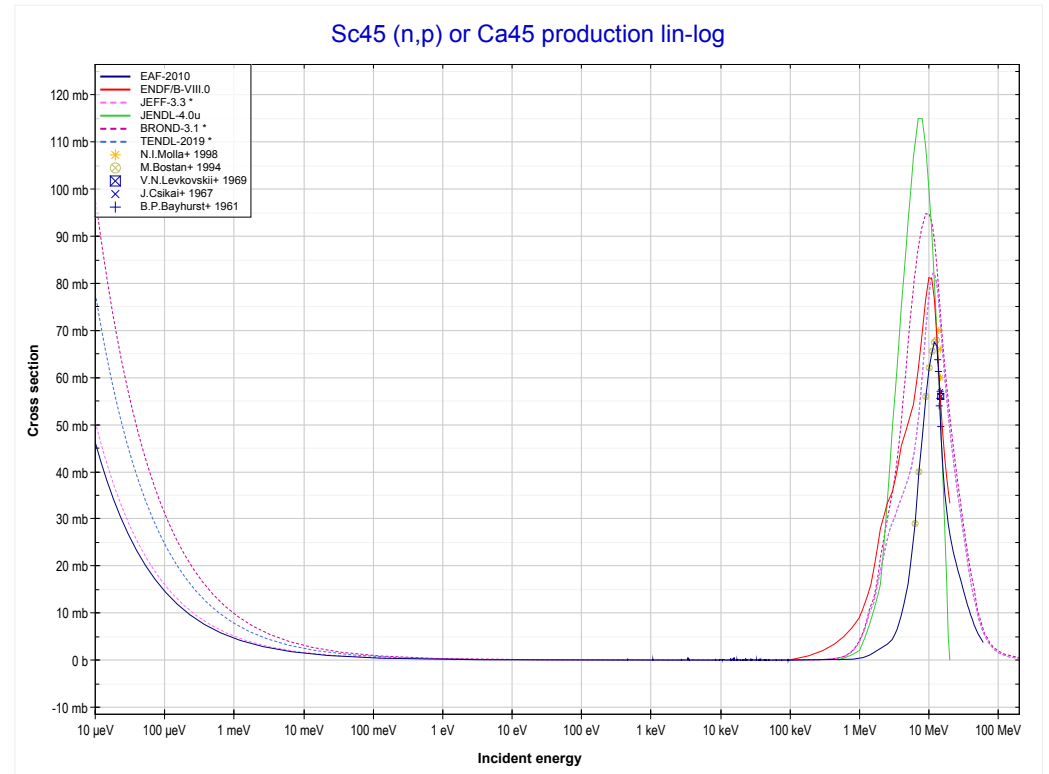
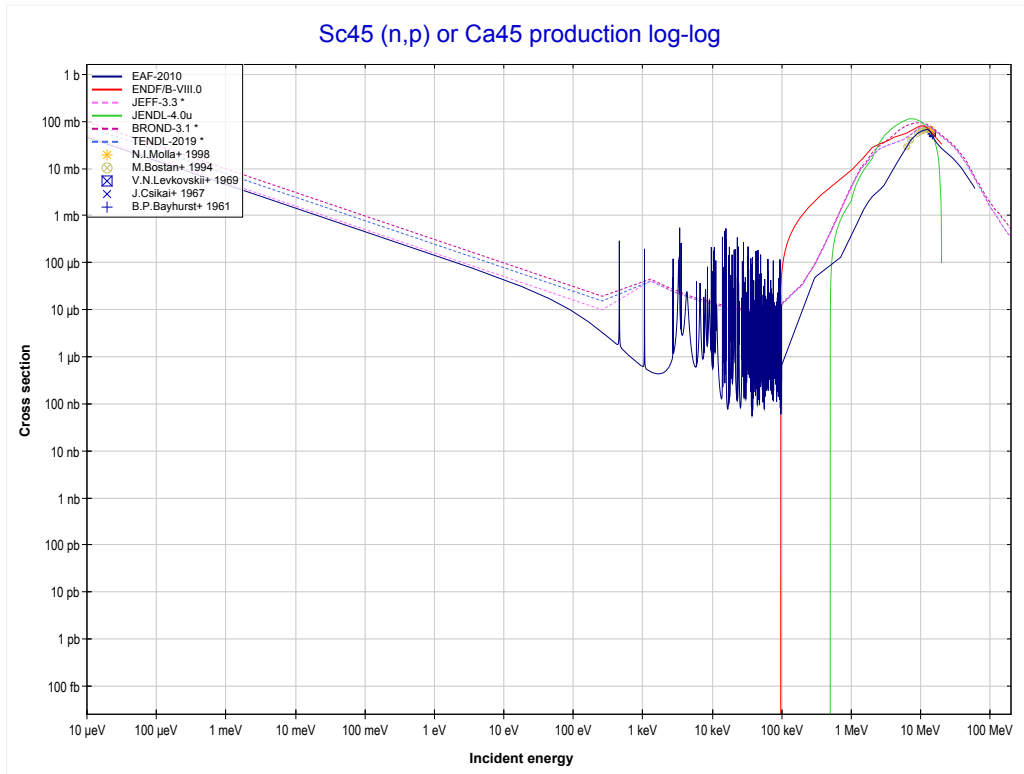
| Reaction | Q-Value |
|-----------------|---------------|
| Sc45(n,He3)K43 | -11356.40 keV |
| Sc45(n,p+d)K43 | -16849.88 keV |
| Sc45(n,n+2p)K43 | -19074.44 keV |

| | | |
|------------------|---|----------------|
| << 20-Ca-48 | 21-Sc-45 | 21-Sc-46 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Sc46 production) | MT103 (n,p) >> |



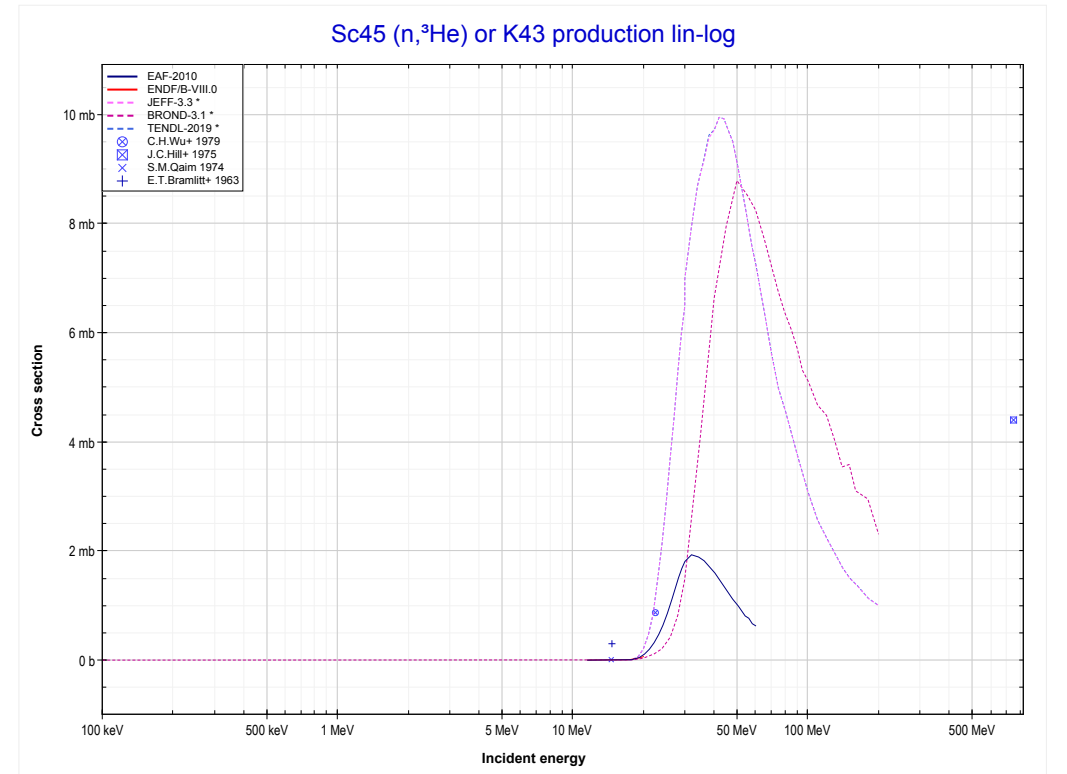
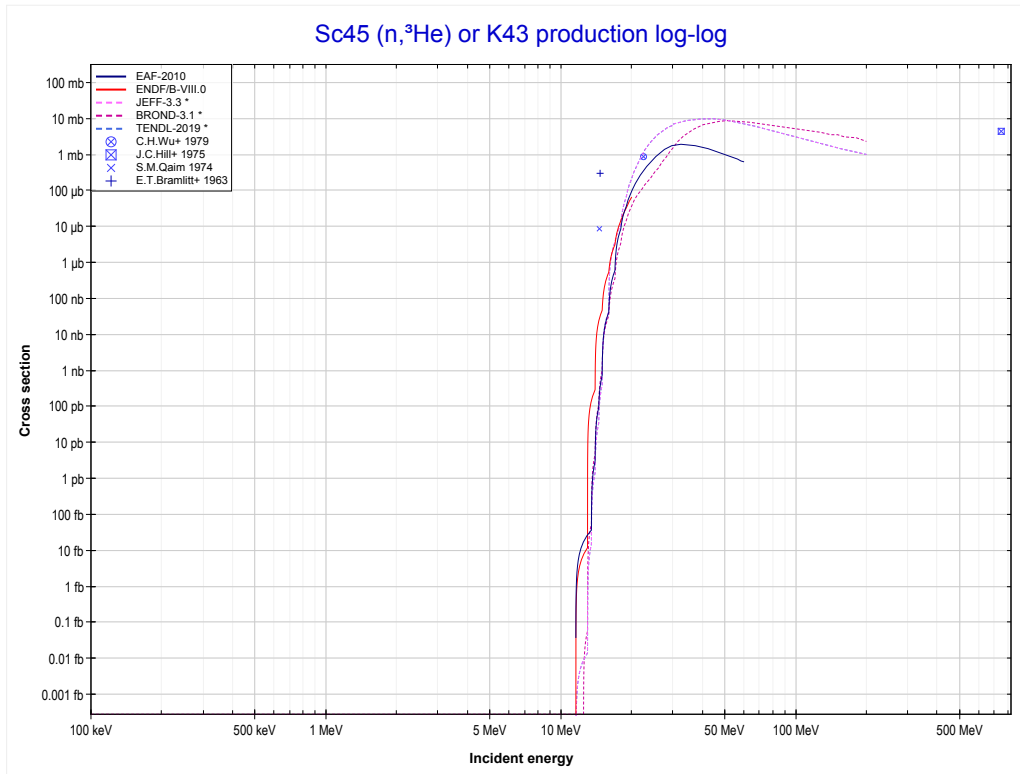
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 27.1647 b | 27.1443 b | 27.137 b | 0.99975 | 11.7956 b | 0.00634652 b | 0.00104451 b |
| ENDF/B-VIII.0 | 27.1663 b | 27.1663 b | 27.175 b | 1.0003 | 12.0376 b | 0.00518967 b | 2.36E-4 b |
| JEFF-3.3 | 27.1345 b | 27.1345 b | 27.141 b | 1.00023 | 11.7982 b | 0.00503028 b | 6.99393E-4 b |
| JENDL-4.0u | 27.1473 b | 27.1473 b | 27.155 b | 1.00028 | 11.8148 b | 0.00635189 b | 0.00104452 b |
| BROND-3.1 | 27.1473 b | 27.1473 b | 27.155 b | 1.00028 | 11.8146 b | 0.00481522 b | 0.00150656 b |
| IRDFF-II | 27.2083 b | 27.2083 b | 27.214 b | 1.00023 | 11.8499 b | 0.00519315 b | 7.0068E-4 b |
| TENDL-2019 | 27.2175 b | 27.2175 b | 27.218 b | 1.00001 | 12.0794 b | 0.00513946 b | 6.99393E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 20-Ca-44 | 21-Sc-45 | 22-Ti-46 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ca45 production) | MT106 (n, ^3He) >> |



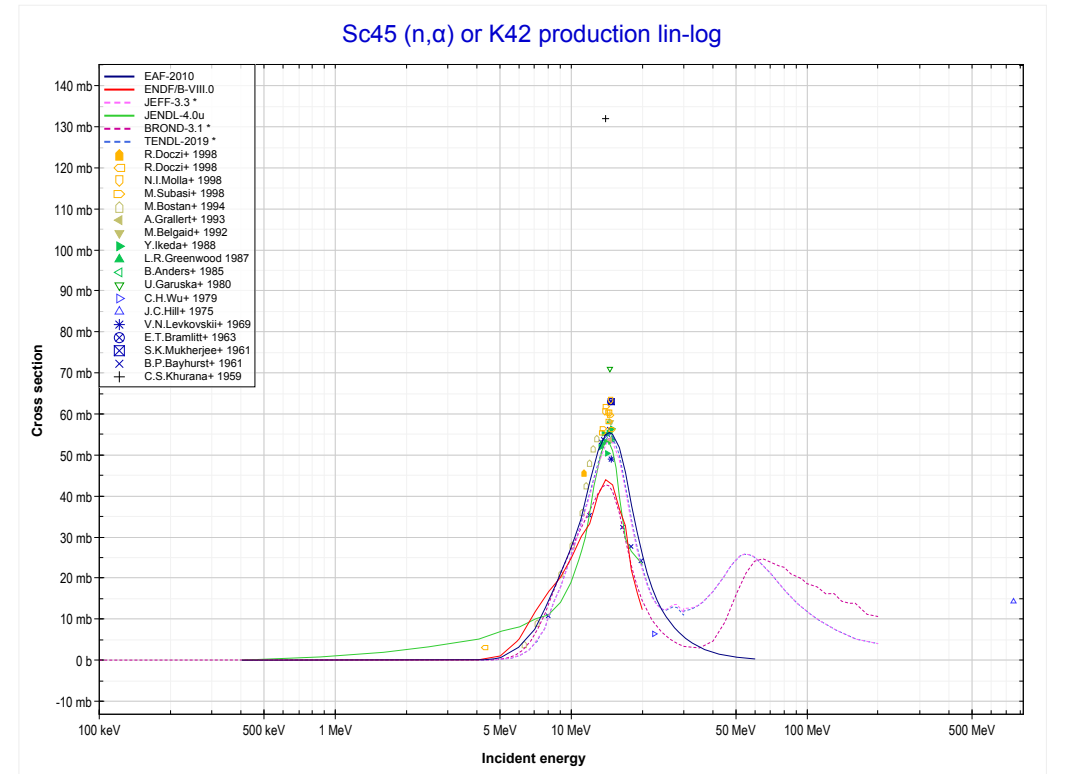
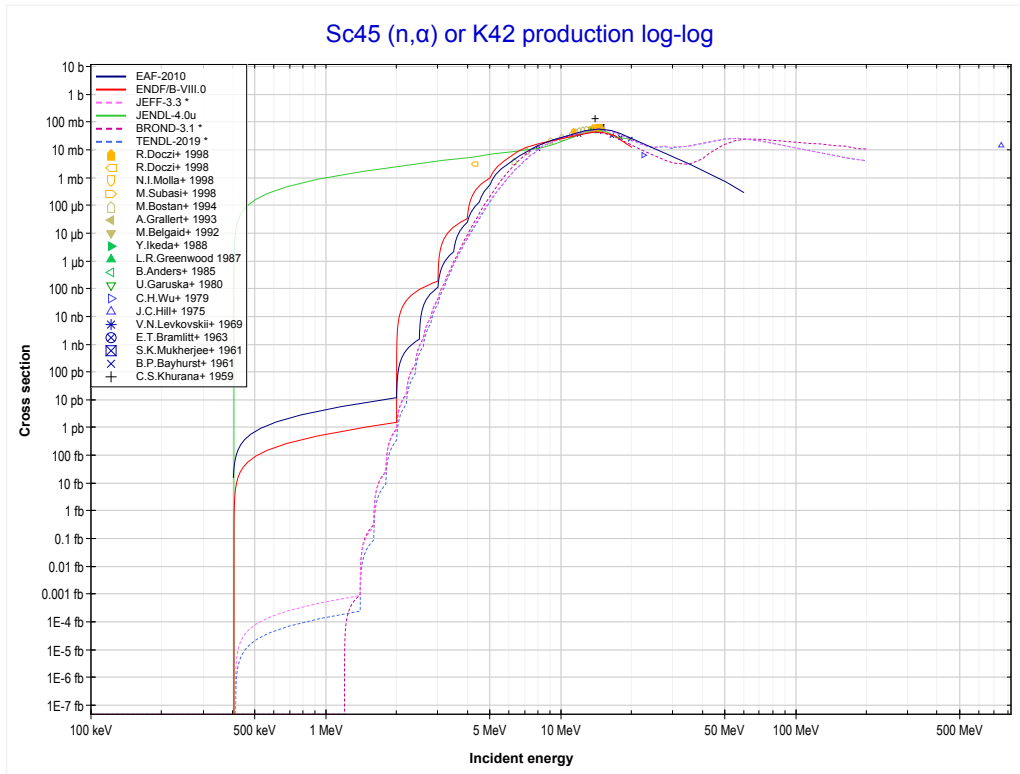
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 9.19E-4 b | 9.18333E-4 b | 9.1832E-4 b | 1.00001 | 3.99304E-4 b | 0.00418757 b | 0.06 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.28683E-6 b | 0.0223435 b | 0.06 b |
| JEFF-3.3 | 0.00100535 b | 0.00100535 b | 0.0010057 b | 1.00033 | 5.39346E-4 b | 0.0159571 b | 0.0752743 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0254417 b | 0.059 b |
| BROND-3.1 | 0.0019555 b | 0.0019555 b | 0.0019562 b | 1.00035 | 9.68234E-4 b | 0.0211757 b | 0.077674 b |
| TENDL-2019 | 0.00155214 b | 0.00155214 b | 0.0015523 b | 1.00013 | 7.80669E-4 b | 0.0159362 b | 0.0752107 b |

| | | |
|----------------|---|----------------|
| << 19-K-41 | 21-Sc-45 | 23-V-51 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (K43 production) | MT107 (n,α) >> |



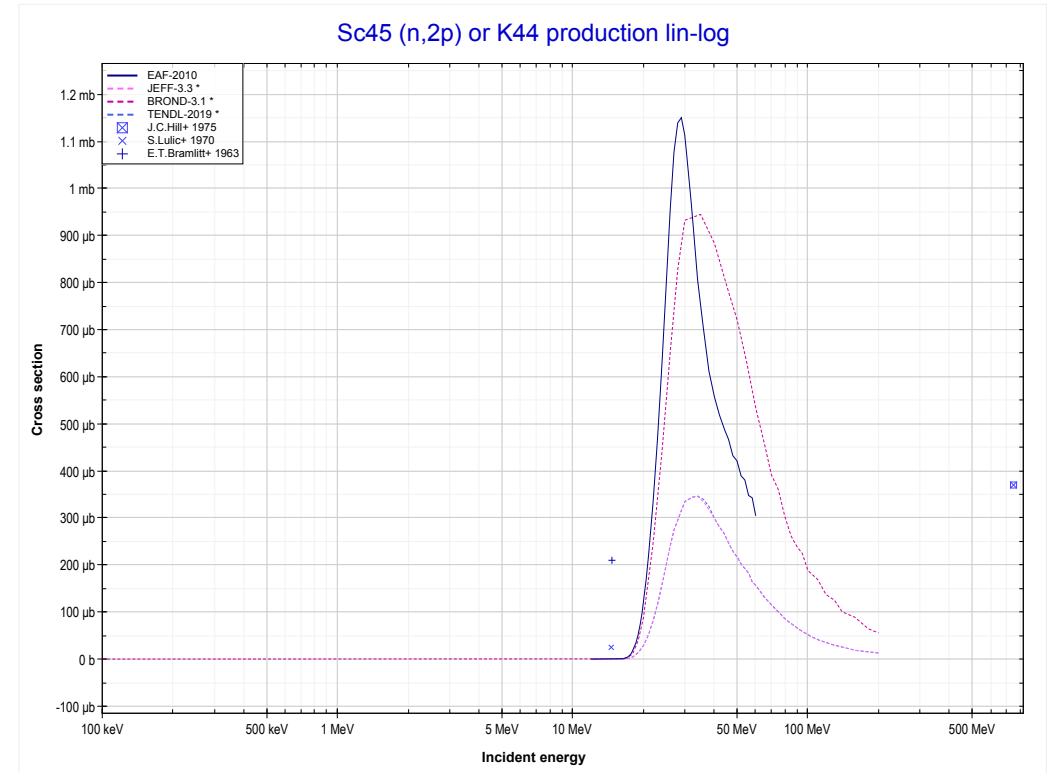
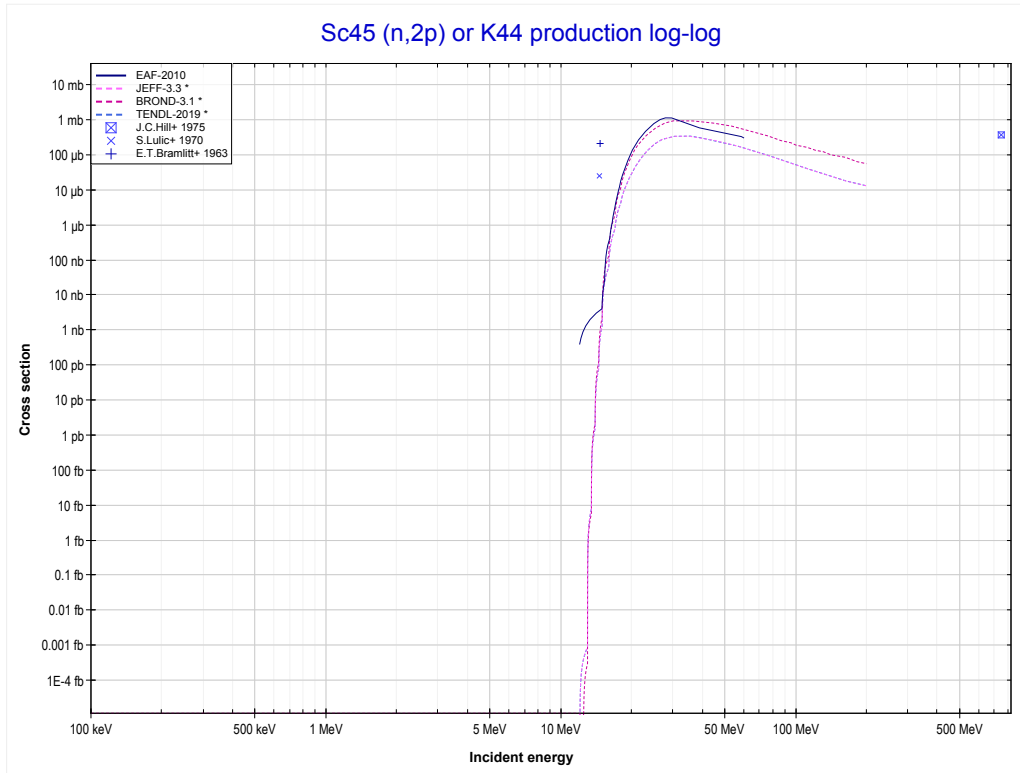
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.1027E-10 b | 3.04709E-12 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47523E-10 b | 2.9E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.1849E-10 b | 1.43482E-12 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.53378E-11 b | 4.7307E-12 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18147E-10 b | 1.4257E-12 b |

| | | |
|-------------------------------|--|-----------------|
| << 20-Ca-48 | 21-Sc-45 | 22-Ti-47 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (K42 production) | MT111 (n,2p) >> |



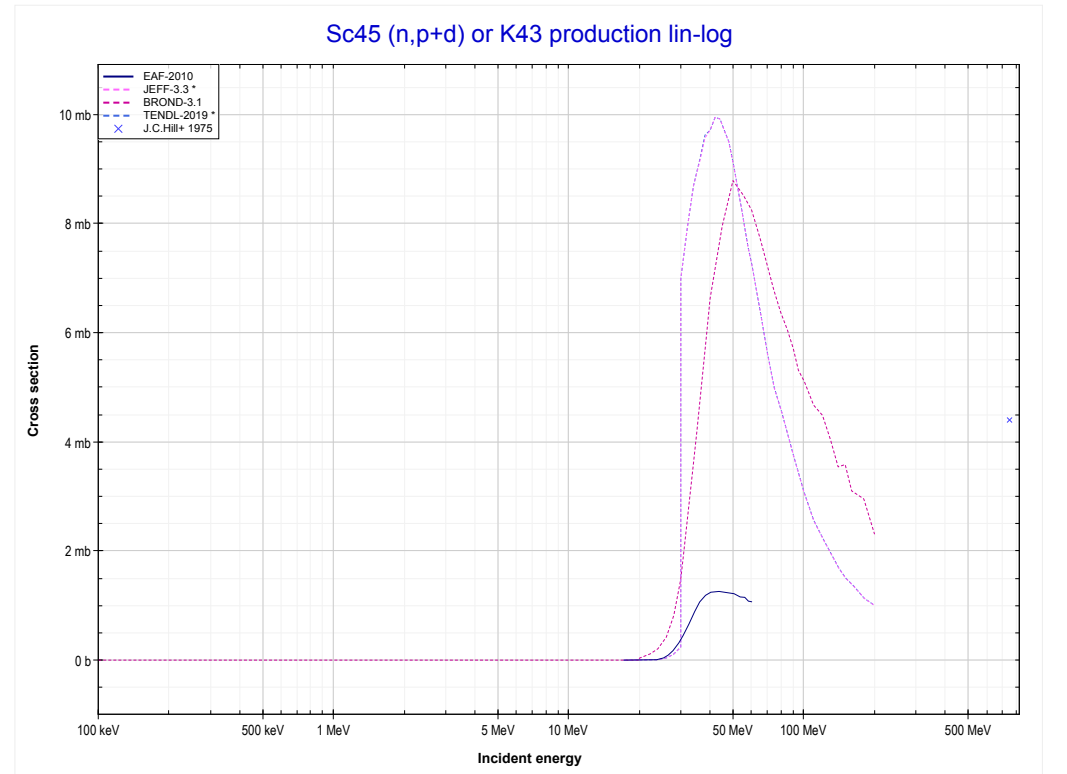
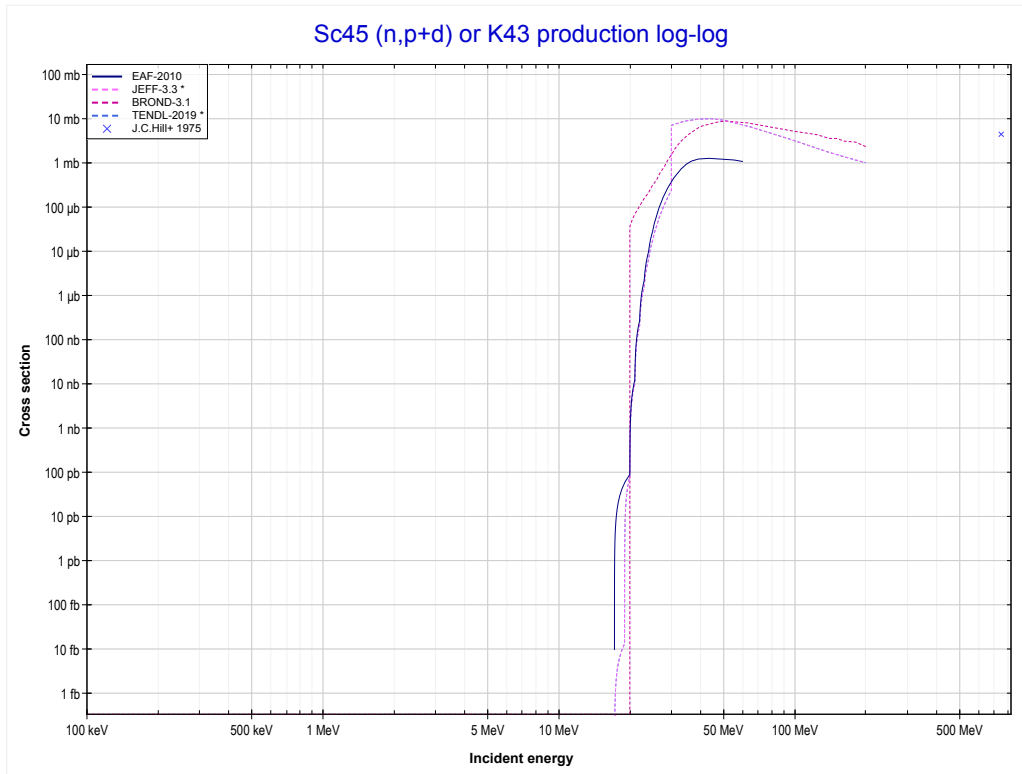
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.07441E-4 b | 0.055 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.12254E-4 b | 0.044 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63836E-4 b | 0.0524505 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00252221 b | 0.0535 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26983E-4 b | 0.0427416 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.62428E-4 b | 0.0535394 b |

| | | |
|-------------------------|---|------------------|
| << 19-K-41 | 21-Sc-45 | 22-Ti-50 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (K44 production) | MT115 (n,p+d) >> |



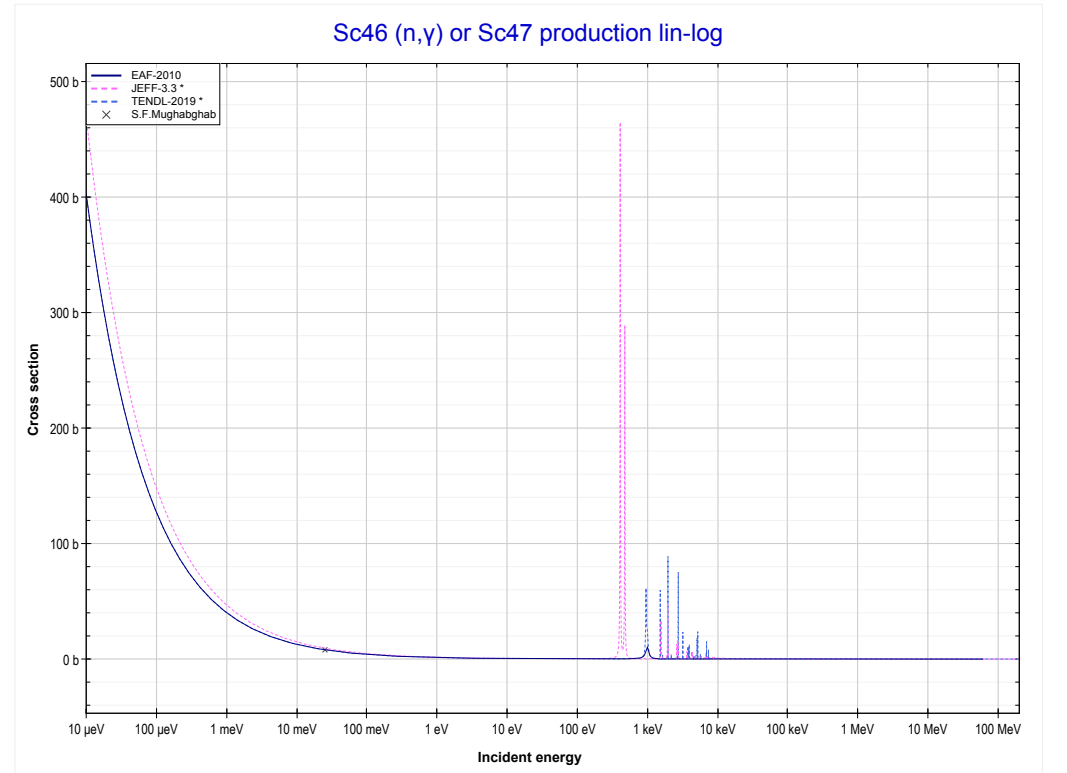
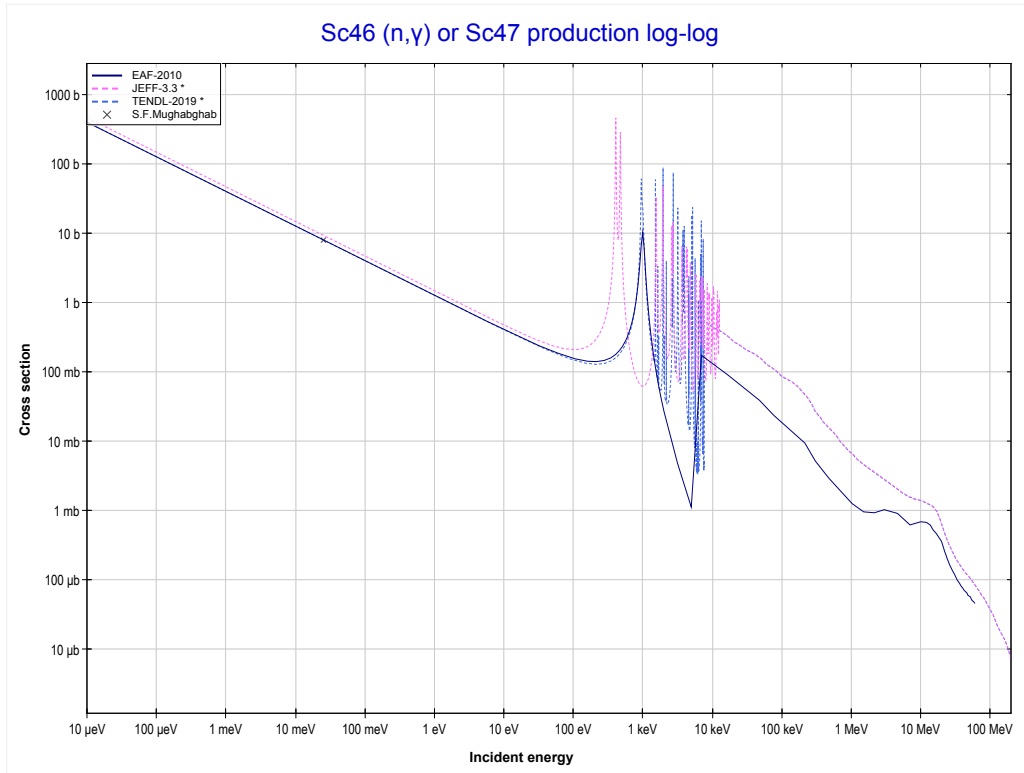
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.60704E-11 b | 1.56741E-12 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44808E-10 b | 2.1451E-12 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.58014E-11 b | 1.5556E-12 b |

| | | |
|-----------------|--|----------------------------------|
| << 15-P-31 | 21-Sc-45 | 23-V-51 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (K43 production) | 21-Sc-46 MT102 (n, γ) >> |



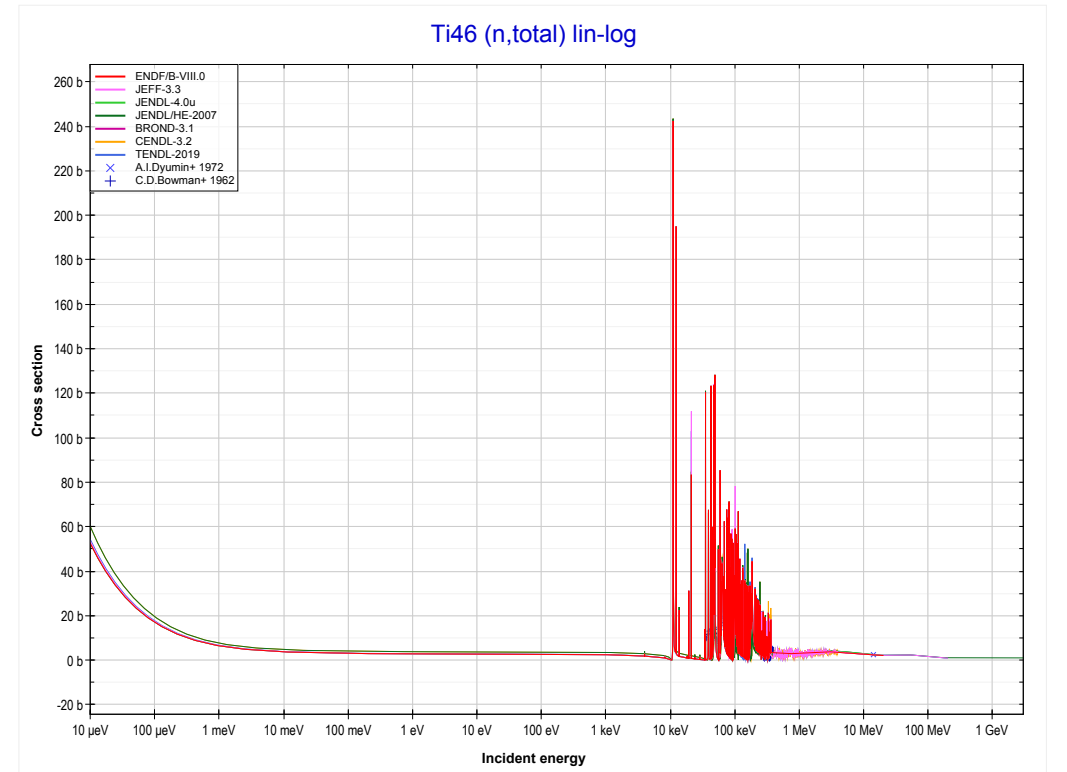
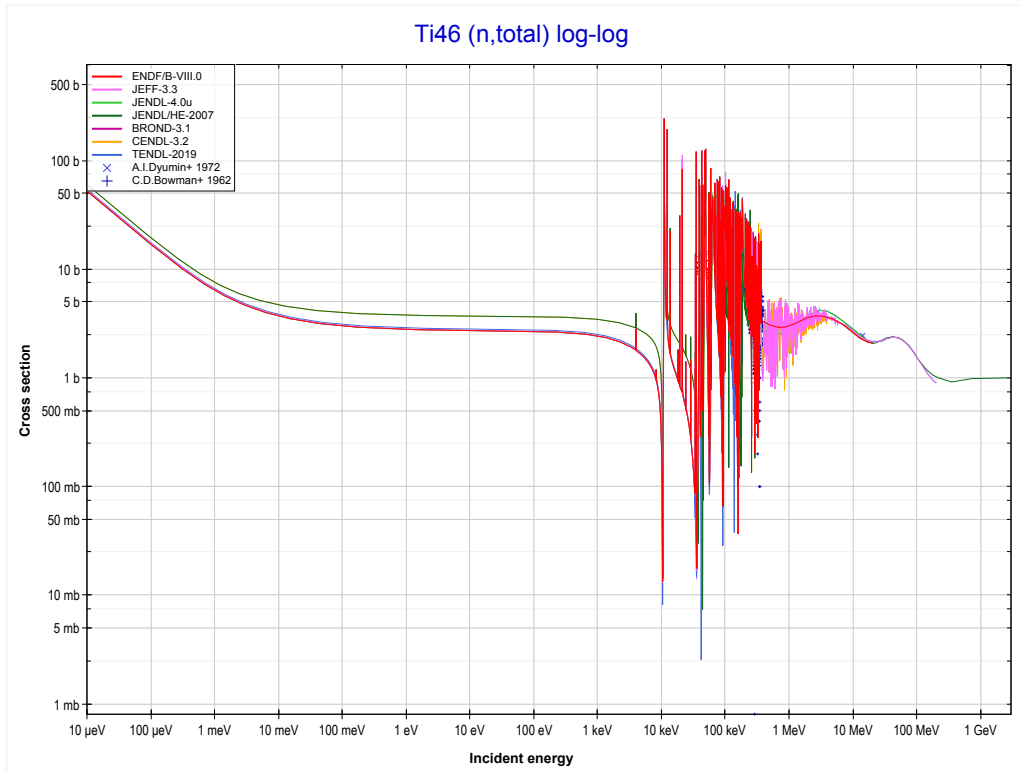
| Reaction | Q-Value |
|-----------------|---------------|
| Sc45(n,He3)K43 | -11356.40 keV |
| Sc45(n,p+d)K43 | -16849.88 keV |
| Sc45(n,n+2p)K43 | -19074.44 keV |

| | | |
|---------------------------|---|---------------------------|
| << 21-Sc-45 | 21-Sc-46 | 22-Ti-46 >> |
| << 21-Sc-45 MT115 (n,p+d) | MT102 (n,y) or MT5 (Sc47 production) | 22-Ti-46 MT1 (n,total) >> |



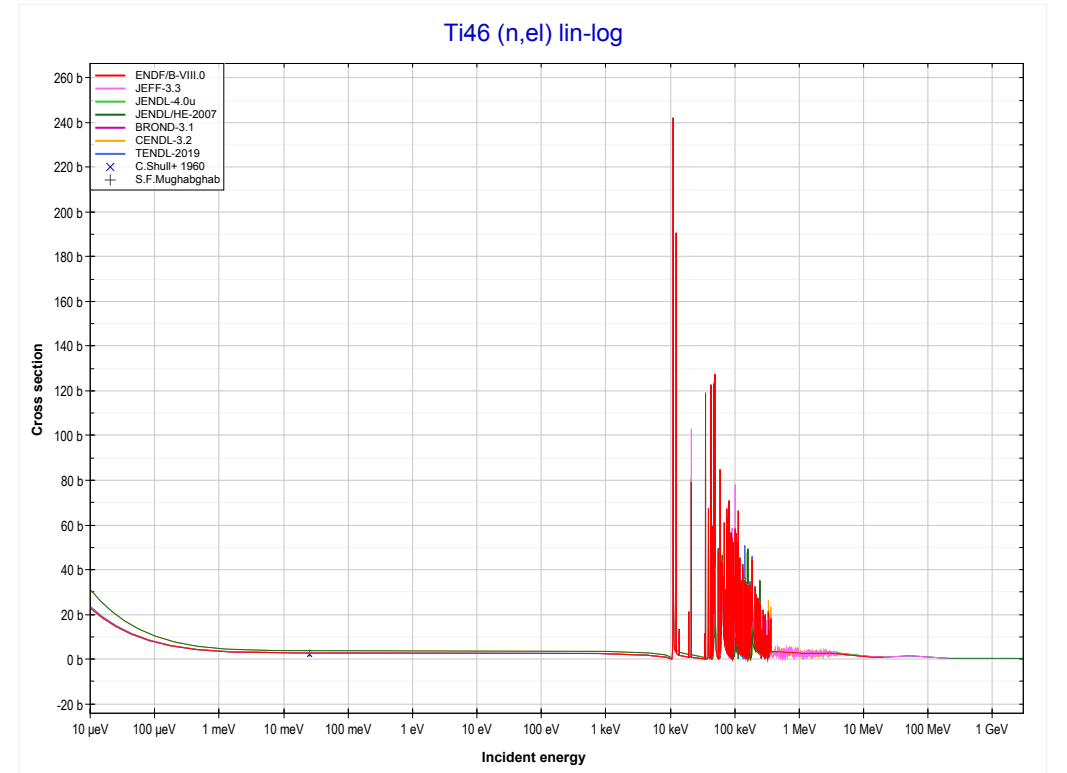
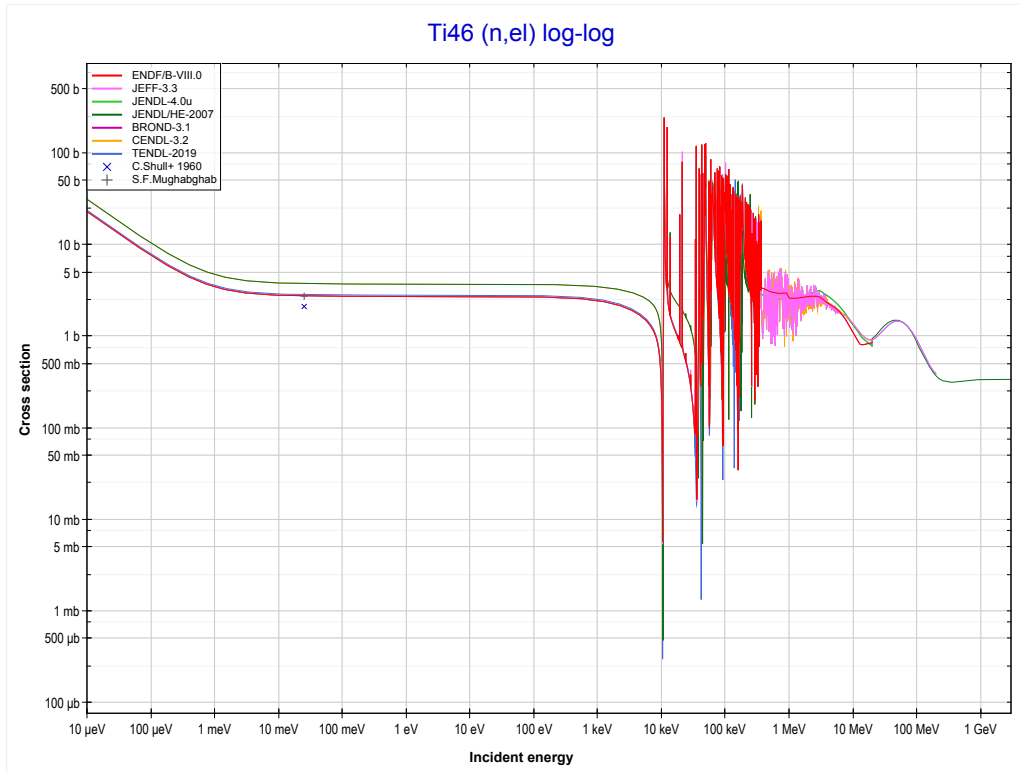
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.00043 b | 7.99444 b | 7.9947 b | 1.00003 | 5.78215 b | 0.00238263 b | 6.1E-4 b |
| JEFF-3.3 | 9.31385 b | 9.31385 b | 9.3167 b | 1.00031 | 27.0082 b | 0.0110502 b | 0.00119473 b |
| TENDL-2019 | 7.98417 b | 7.98417 b | 7.9847 b | 1.00007 | 10.298 b | 0.0108609 b | 0.00119261 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 21-Sc-45 | 22-Ti-46 | 22-Ti-47 >> |
| << 21-Sc-46 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



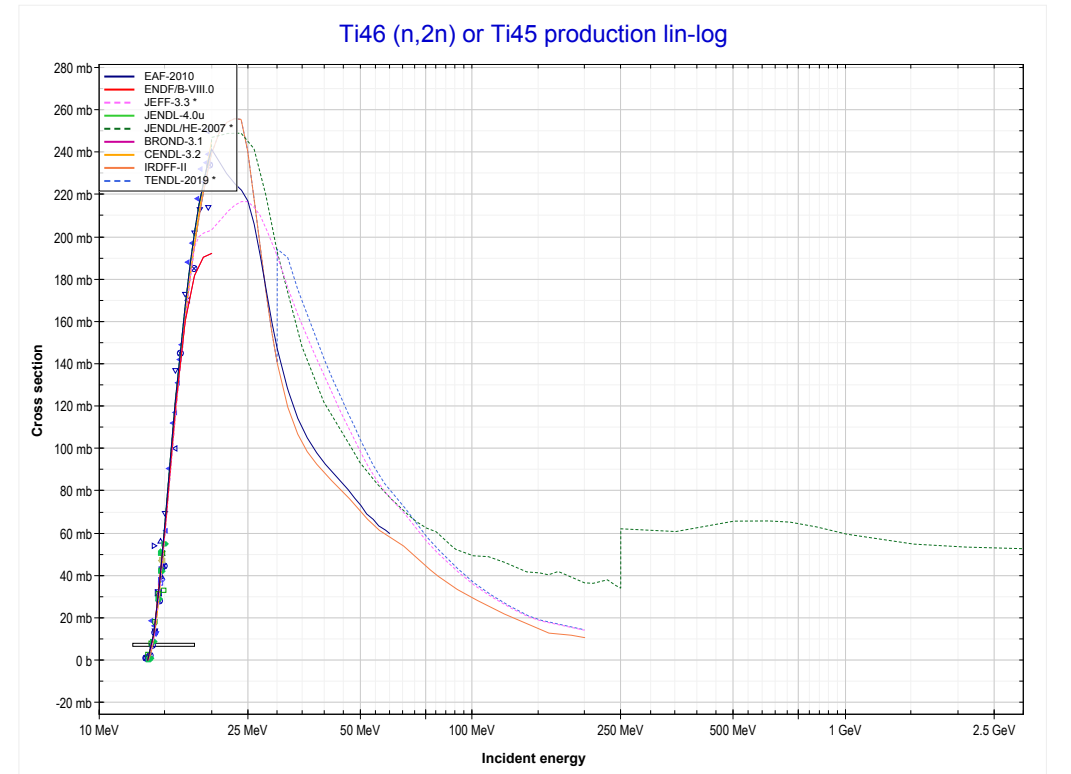
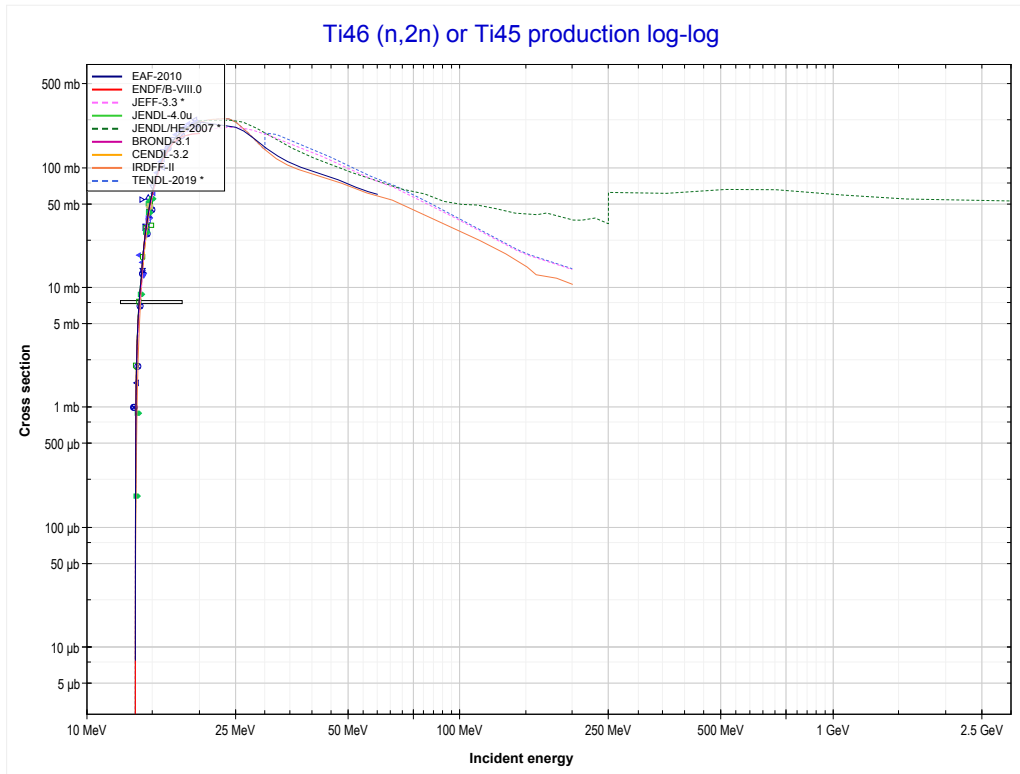
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.32236 b | 3.32236 b | 3.6732 b | 1.1056 | 38.9663 b | 3.59351 b | 2.2555 b |
| JEFF-3.3 | 3.34386 b | 3.34386 b | 3.6951 b | 1.10503 | 39.1711 b | 3.46036 b | 2.32553 b |
| JENDL-4.0u | 3.32236 b | 3.32236 b | 3.6732 b | 1.1056 | 38.9663 b | 3.6084 b | 2.39941 b |
| JENDL/HE-2007 | 4.29951 b | 4.29951 b | 4.7776 b | 1.11119 | 49.8888 b | 3.48748 b | 2.39941 b |
| BROND-3.1 | 3.32236 b | 3.32236 b | 3.6732 b | 1.1056 | 38.9663 b | 3.59352 b | 2.2555 b |
| CENDL-3.2 | 4.29951 b | 4.29951 b | 4.7776 b | 1.11119 | 49.8889 b | 3.29892 b | 2.2792 b |
| TENDL-2019 | 3.43345 b | 3.43345 b | 3.7958 b | 1.10555 | 37.1181 b | 3.4655 b | 2.32253 b |

| | | |
|------------------|------------------------|----------------|
| << 21-Sc-45 | 22-Ti-46 | 22-Ti-47 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



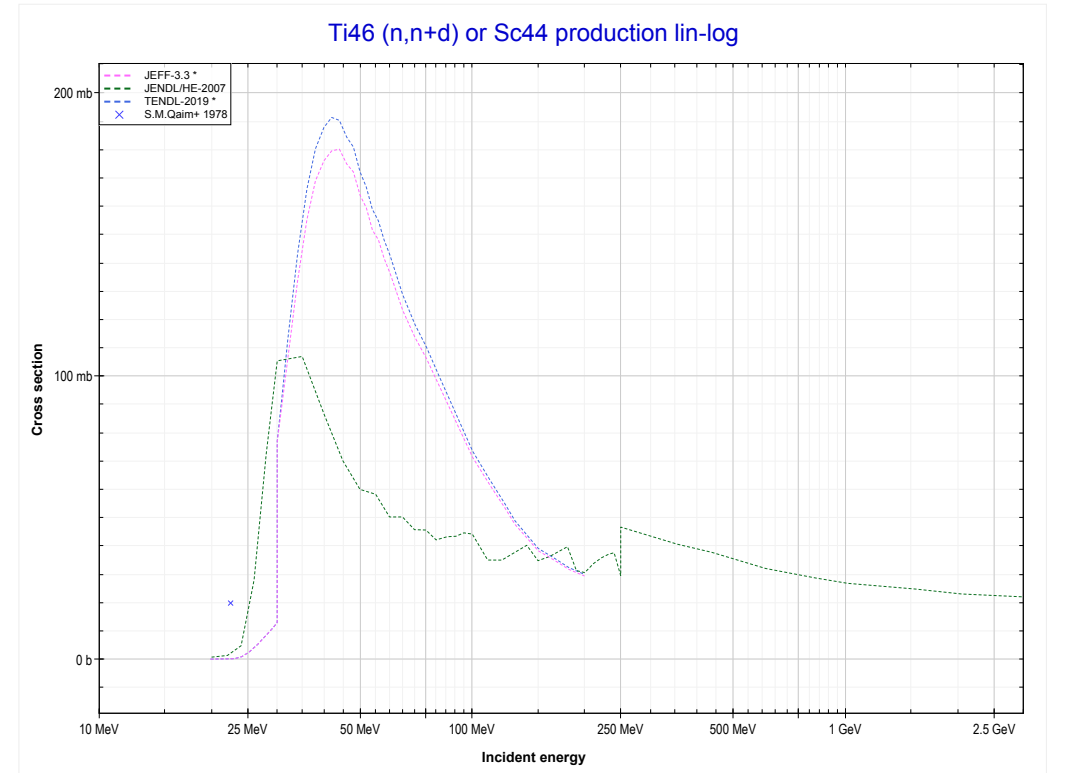
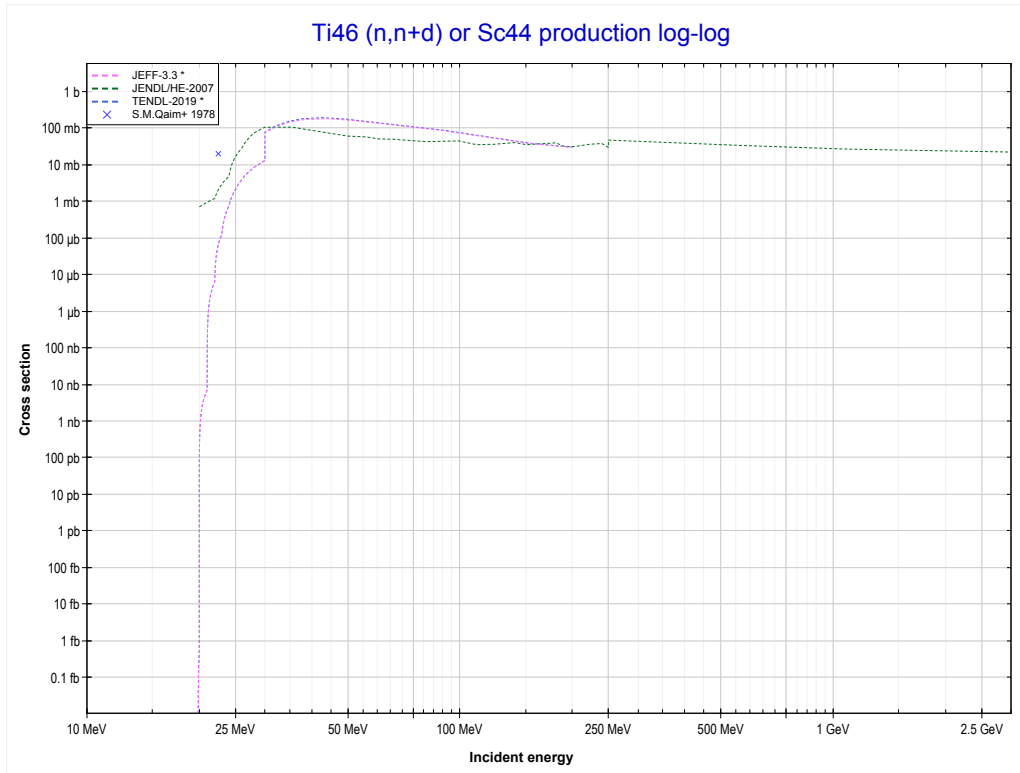
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.73255 b | 2.73255 b | 3.0832 b | 1.12832 | 38.6249 b | 2.92674 b | 0.798716 b |
| JEFF-3.3 | 2.73542 b | 2.73542 b | 3.0864 b | 1.12832 | 38.8187 b | 2.77243 b | 1.01453 b |
| JENDL-4.0u | 2.73255 b | 2.73255 b | 3.0832 b | 1.12832 | 38.6249 b | 2.93891 b | 0.954437 b |
| JENDL/HE-2007 | 3.72348 b | 3.72348 b | 4.2015 b | 1.12838 | 49.5701 b | 2.81884 b | 0.954437 b |
| BROND-3.1 | 2.73255 b | 2.73255 b | 3.0832 b | 1.12832 | 38.6249 b | 2.92674 b | 0.798716 b |
| CENDL-3.2 | 3.72348 b | 3.72348 b | 4.2015 b | 1.12838 | 49.5701 b | 2.6916 b | 1.0314 b |
| TENDL-2019 | 2.82252 b | 2.82252 b | 3.1849 b | 1.12838 | 36.7894 b | 2.77699 b | 1.01452 b |

| | | |
|--------------------|---|-----------------|
| << 21-Sc-45 | 22-Ti-46 | 23-V-Nat >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ti45 production) | MT32 (n,n+d) >> |



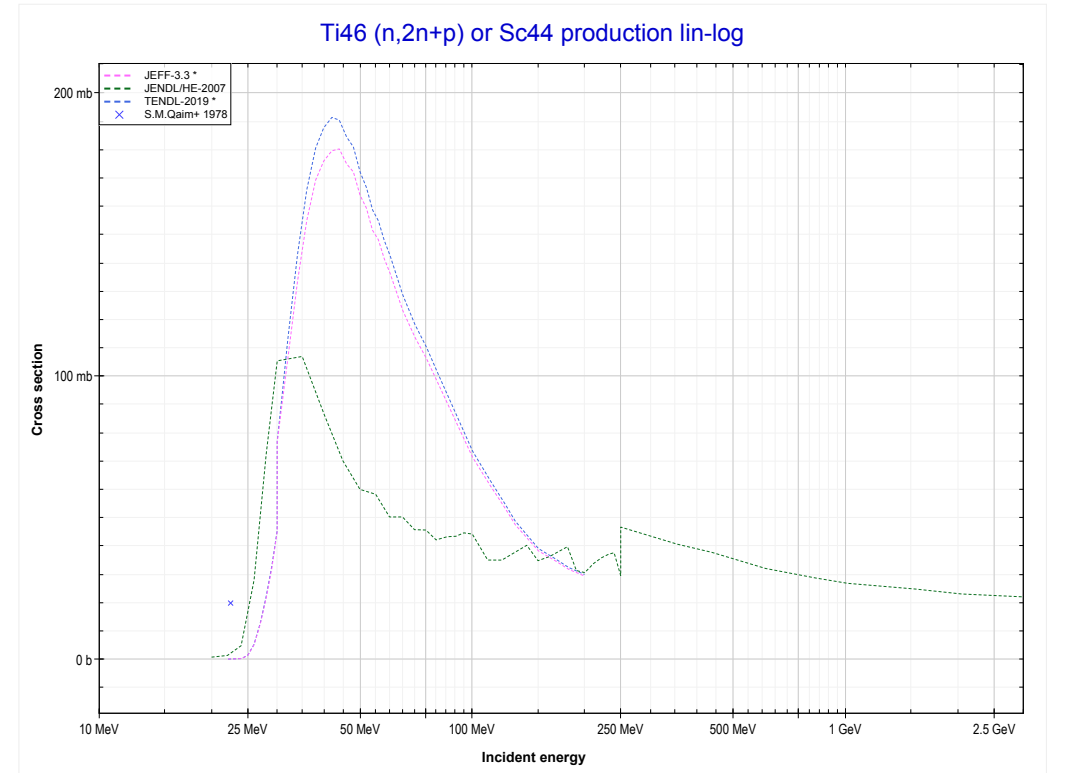
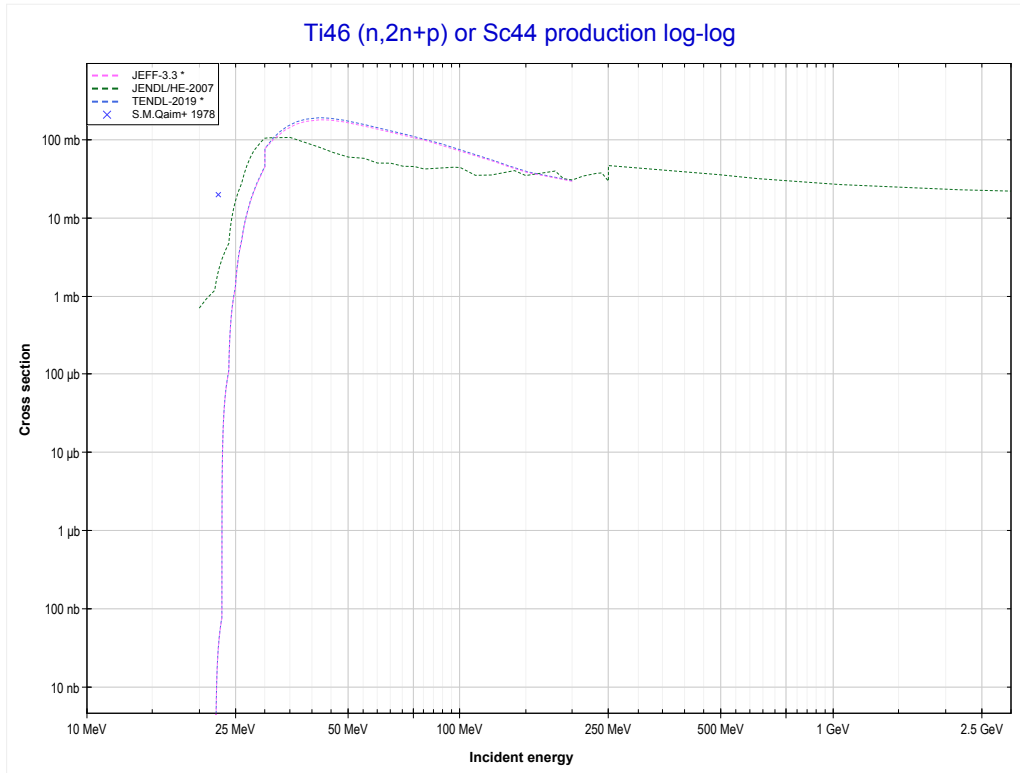
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.64355E-6 b | 0.01264 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.17922E-6 b | 0.0119251 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.9478E-6 b | 0.0100559 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.64352E-6 b | 0.01264 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.64346E-6 b | 0.01264 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.17922E-6 b | 0.0119251 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.26246E-6 b | 0.0117708 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 8.93682E-6 b | 0.0100559 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.02182E-6 b | 0.0100559 b |

| | | |
|----------------|--|------------------|
| << 20-Ca-44 | 22-Ti-46 | 22-Ti-48 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (Sc44 production) | MT41 (n,2n+p) >> |



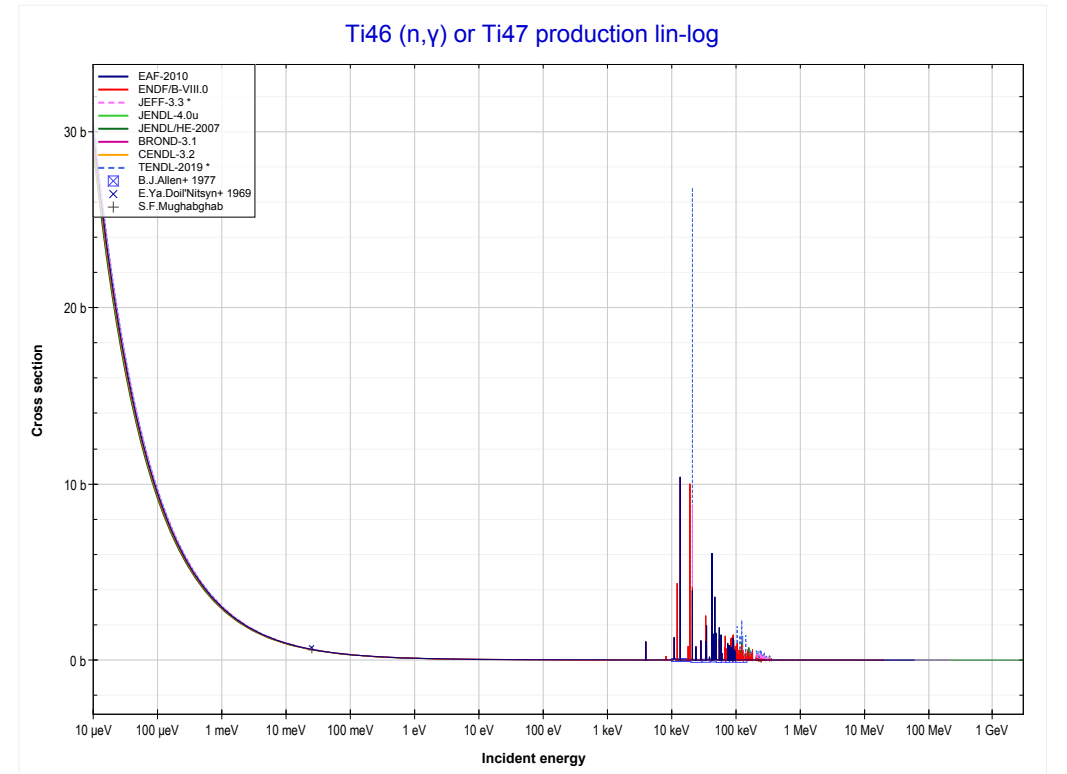
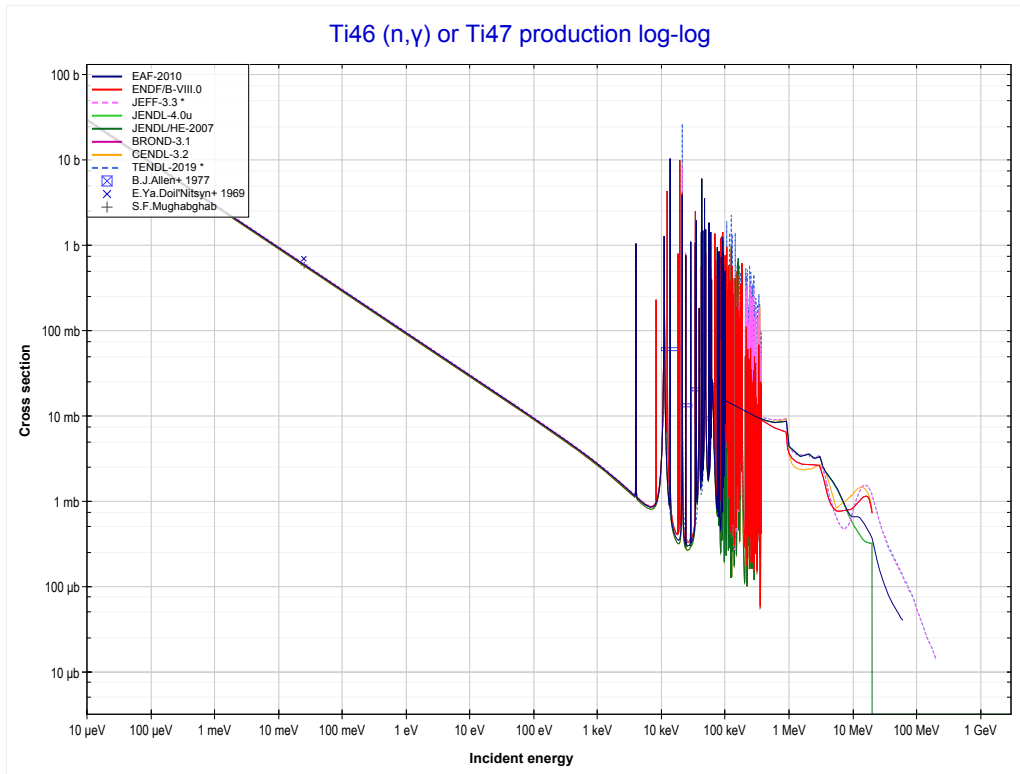
| Reaction | Q-Value |
|------------------|---------------|
| Ti46(n,t)Sc44 | -13190.29 keV |
| Ti46(n,n+d)Sc44 | -19447.52 keV |
| Ti46(n,2n+p)Sc44 | -21672.09 keV |

| | | |
|-----------------|---|-------------------------|
| << 20-Ca-44 | 22-Ti-46 | 22-Ti-48 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Sc44 production) | MT102 (n, γ) >> |



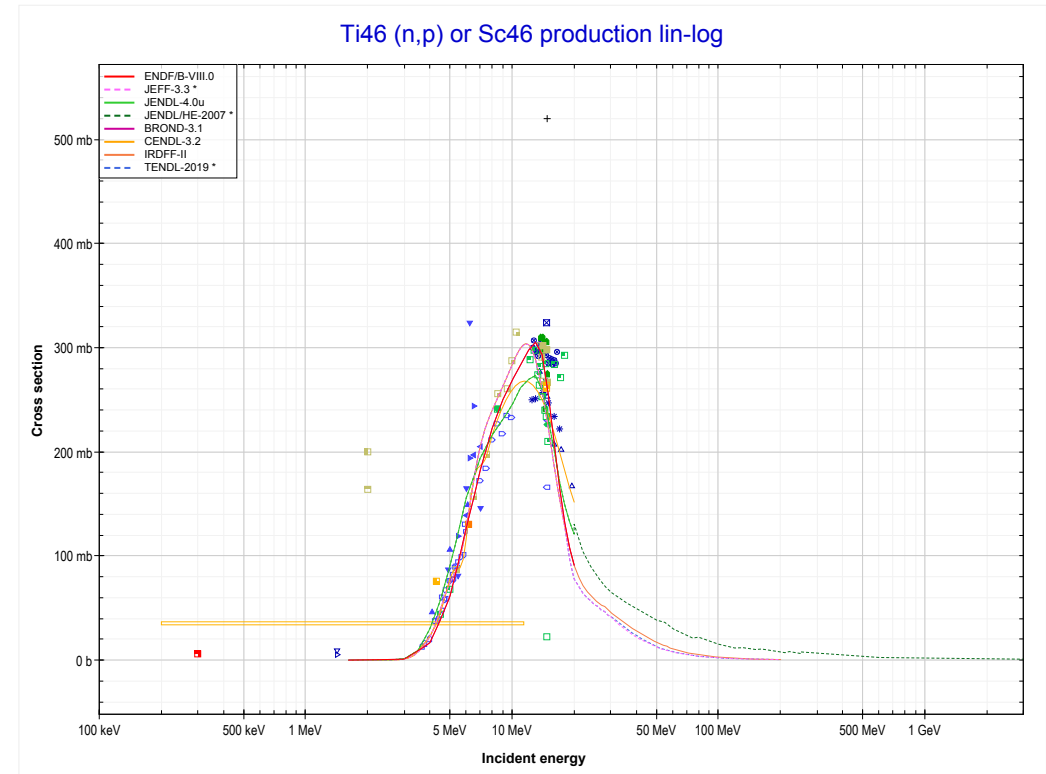
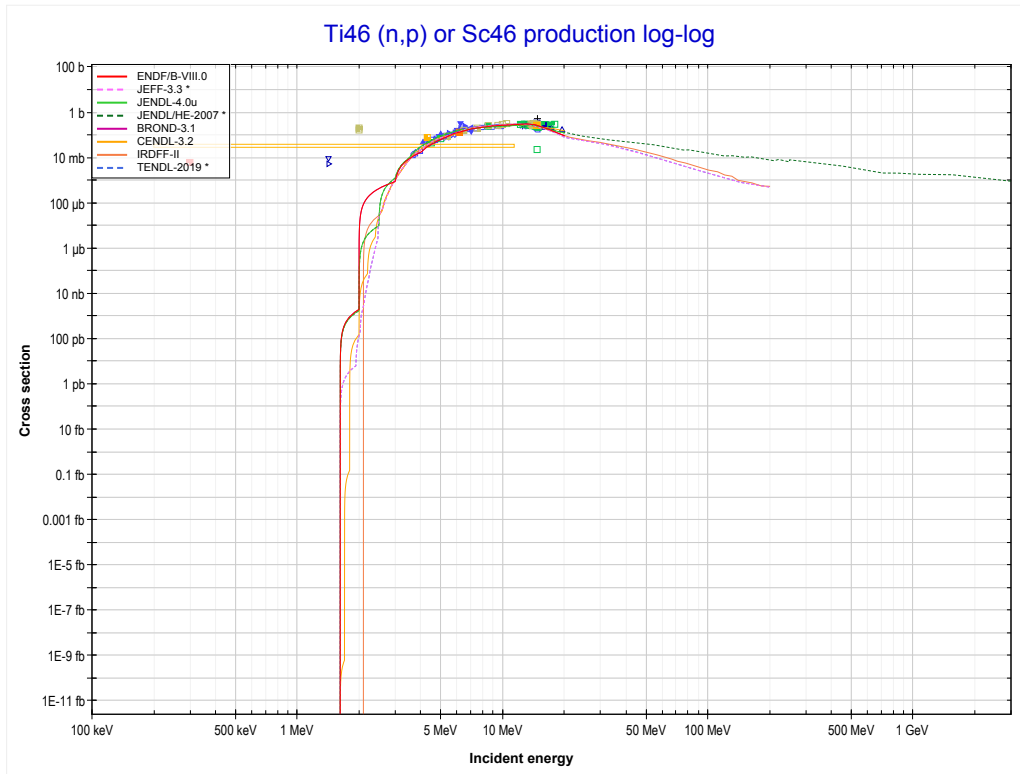
| Reaction | Q-Value |
|------------------|---------------|
| Ti46(n,t)Sc44 | -13190.29 keV |
| Ti46(n,n+d)Sc44 | -19447.52 keV |
| Ti46(n,2n+p)Sc44 | -21672.09 keV |

| | | |
|------------------|---|----------------|
| << 21-Sc-46 | 22-Ti-46 | 22-Ti-47 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ti47 production) | MT103 (n,p) >> |



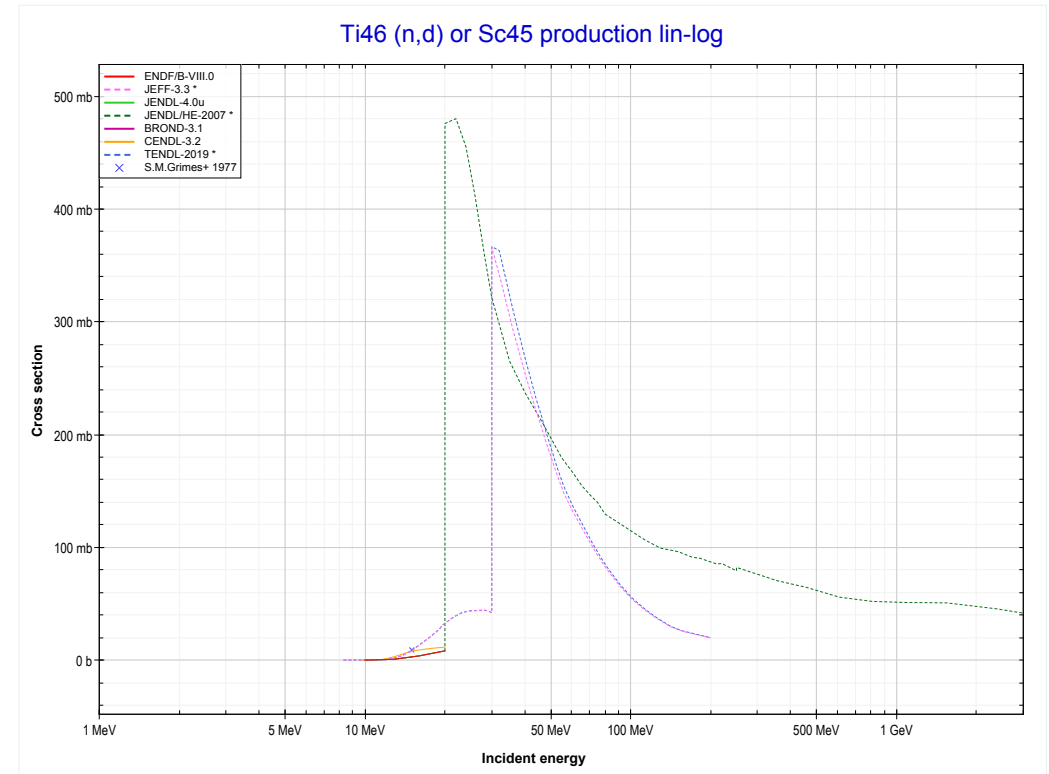
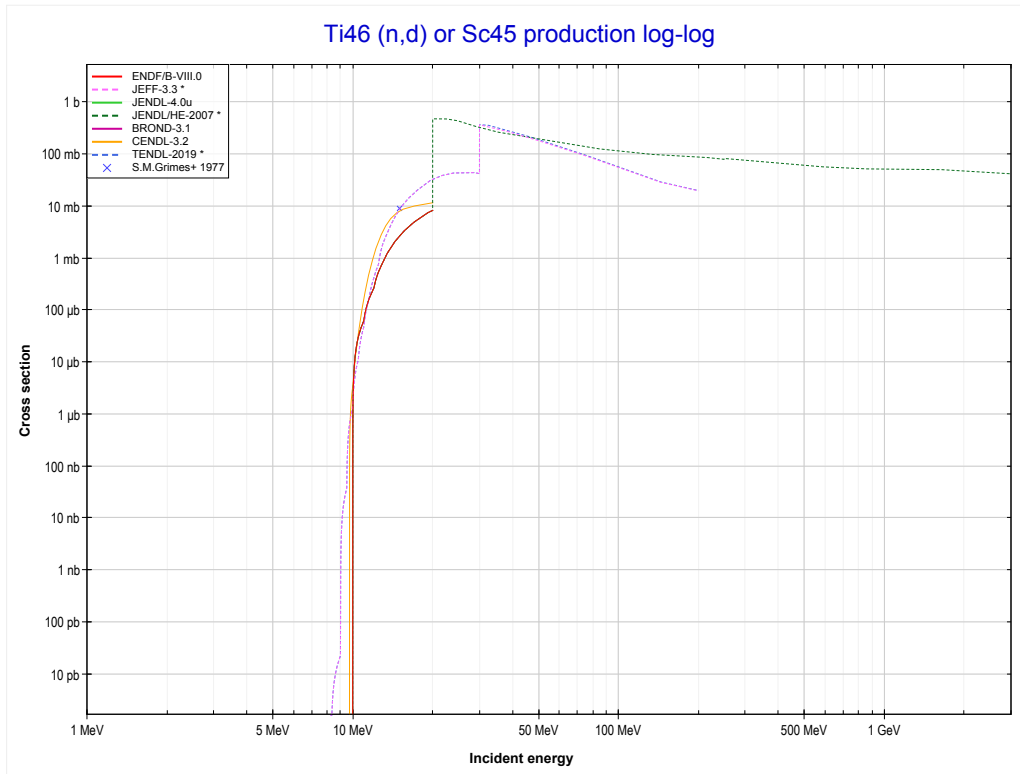
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.59682 b | 0.596418 b | 0.59762 b | 1.0021 | 0.322701 b | 0.0050542 b | 5.9221E-4 b |
| ENDF/B-VIII.0 | 0.589814 b | 0.589814 b | 0.59002 b | 1.00035 | 0.341416 b | 0.00390347 b | 0.00110214 b |
| JEFF-3.3 | 0.608432 b | 0.608432 b | 0.60864 b | 1.00035 | 0.352403 b | 0.00491032 b | 0.00147126 b |
| JENDL-4.0u | 0.589814 b | 0.589814 b | 0.59002 b | 1.00035 | 0.341416 b | 0.00470683 b | 3.63886E-4 b |
| JENDL/HE-2007 | 0.576025 b | 0.576025 b | 0.57605 b | 1.00005 | 0.312814 b | 0.00476797 b | 3.63886E-4 b |
| BROND-3.1 | 0.589814 b | 0.589814 b | 0.59002 b | 1.00035 | 0.341416 b | 0.00390346 b | 0.00110214 b |
| CENDL-3.2 | 0.576025 b | 0.576025 b | 0.57605 b | 1.00005 | 0.312814 b | 0.00429538 b | 0.0014594 b |
| TENDL-2019 | 0.610922 b | 0.610922 b | 0.61096 b | 1.00006 | 0.324753 b | 0.00504396 b | 0.00147192 b |

| | | |
|-------------------------|---|----------------|
| << 21-Sc-45 | 22-Ti-46 | 22-Ti-47 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sc46 production) | MT104 (n,d) >> |



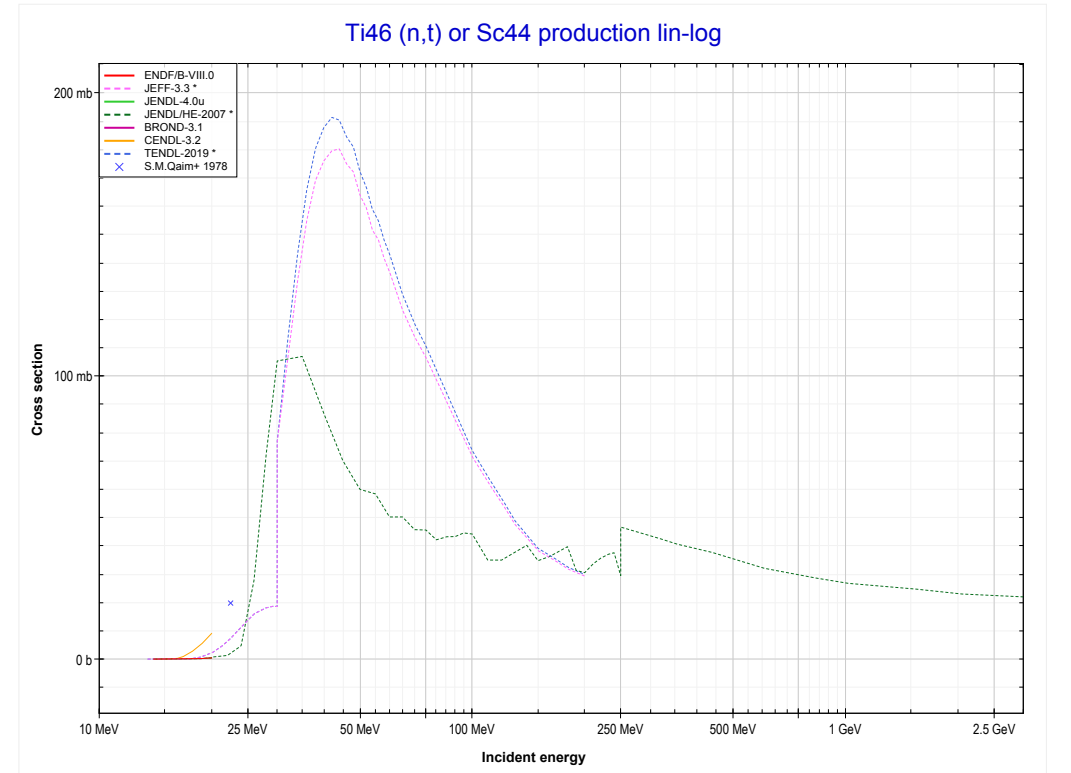
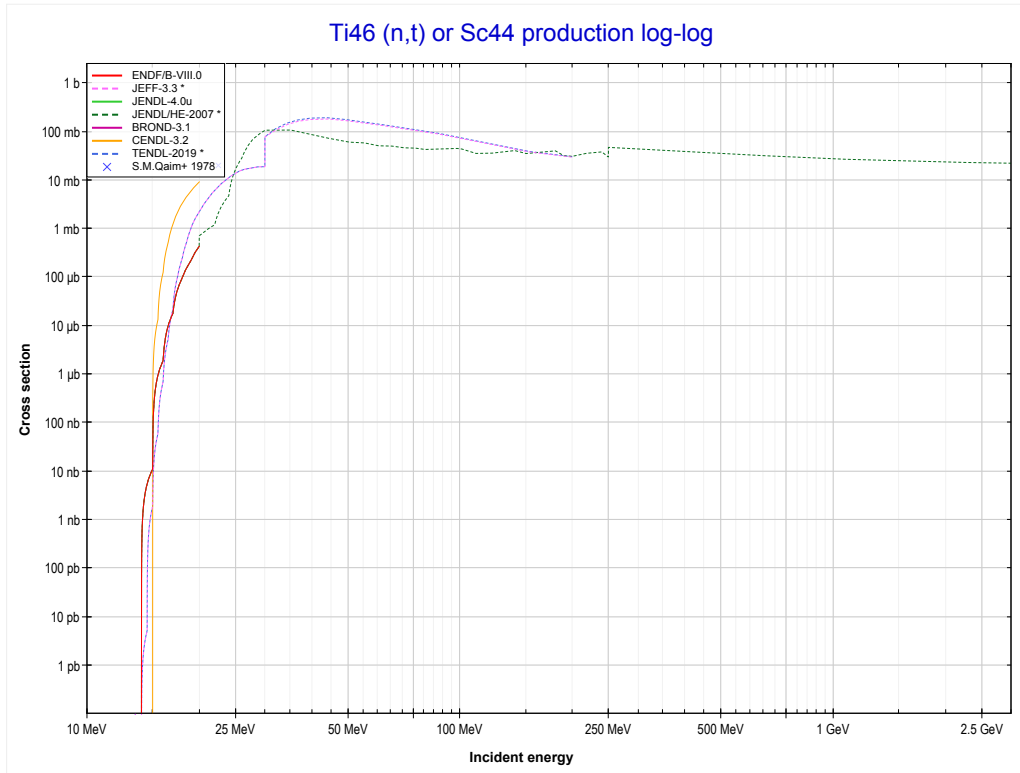
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0113928 b | 0.293189 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123986 b | 0.258756 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0138134 b | 0.259 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0138134 b | 0.259 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0113928 b | 0.293189 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0118701 b | 0.24993 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0124142 b | 0.258887 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123986 b | 0.258756 b |

| | | |
|----------------|---|----------------|
| << 20-Ca-44 | 22-Ti-46 | 22-Ti-47 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sc45 production) | MT105 (n,t) >> |



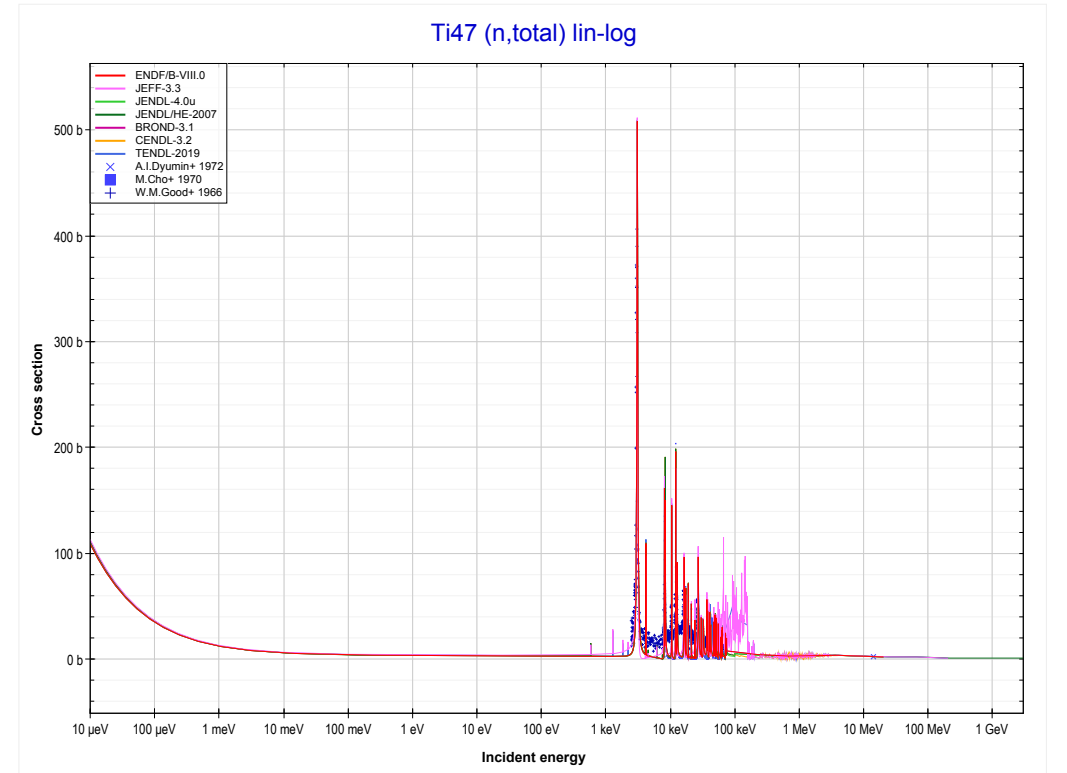
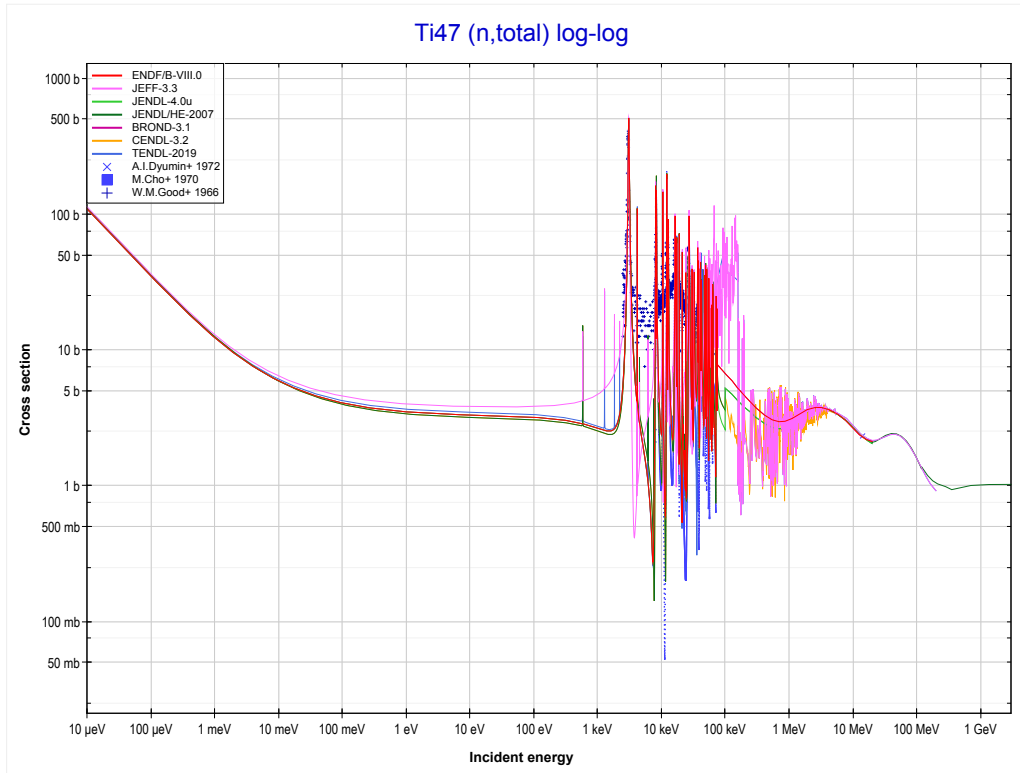
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.29729E-7 b | 0.00166018 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87872E-6 b | 0.00458684 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.29731E-7 b | 0.00166018 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.29728E-7 b | 0.00166018 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.29729E-7 b | 0.00166018 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27627E-6 b | 0.0059905 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.88121E-6 b | 0.00459123 b |

| | | |
|----------------|---|---------------------------|
| << 20-Ca-44 | 22-Ti-46 | 22-Ti-48 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Sc44 production) | 22-Ti-47 MT1 (n,total) >> |



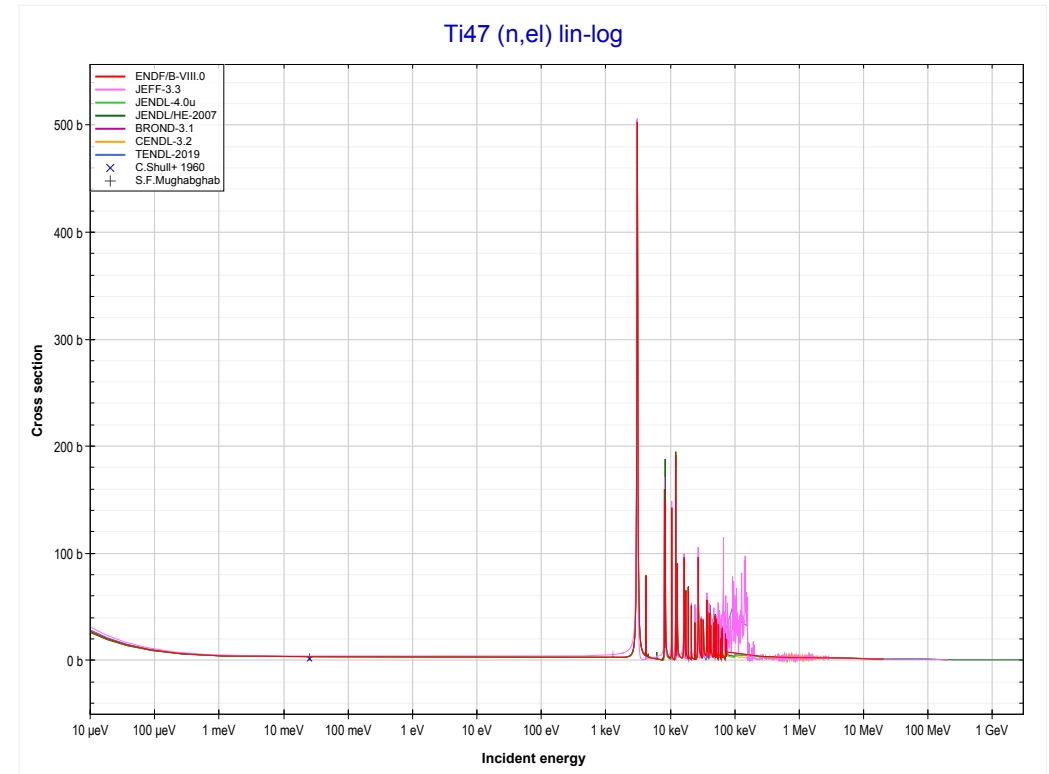
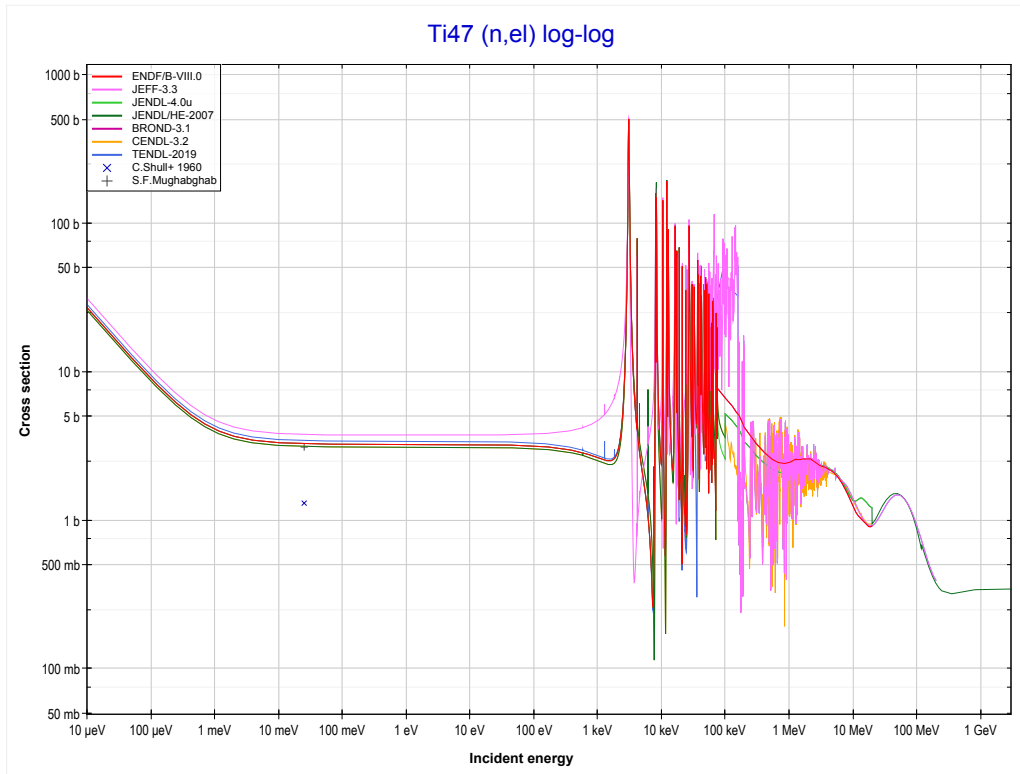
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57186E-9 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.29545E-9 b | 1.64115E-17 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.57187E-9 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57186E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57186E-9 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.15354E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.30237E-9 b | 1.5284E-17 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 22-Ti-46 | 22-Ti-47 | 22-Ti-48 >> |
| << 22-Ti-46 MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



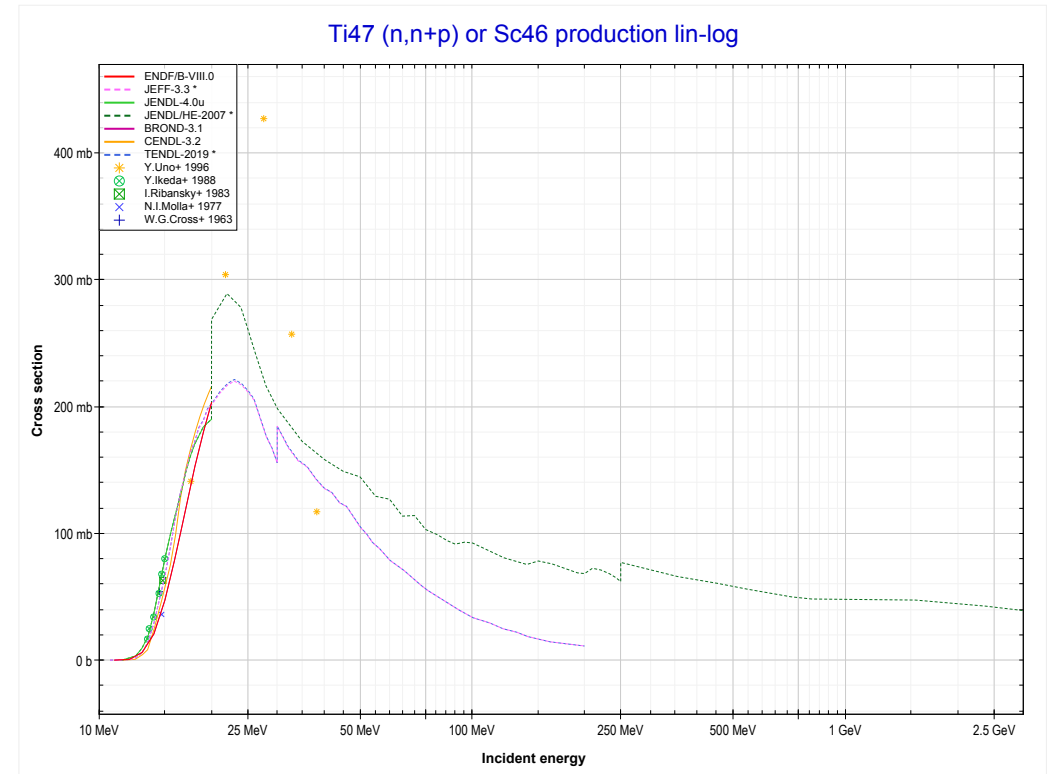
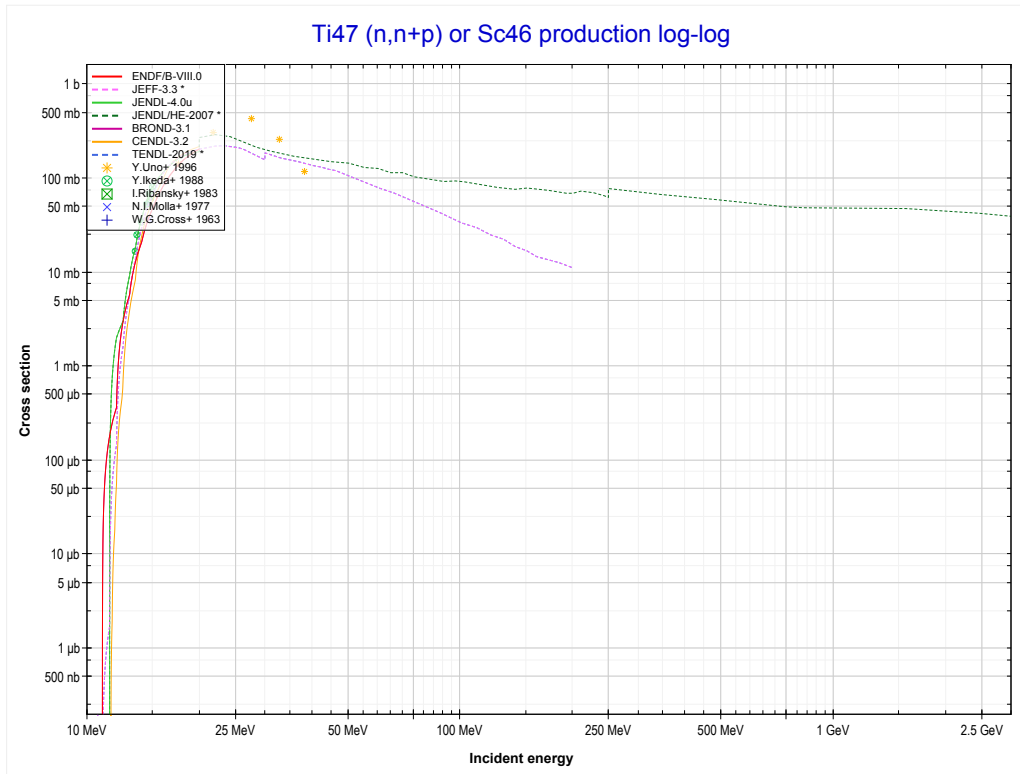
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.8913 b | 4.8913 b | 5.3108 b | 1.08577 | 87.8578 b | 3.55199 b | 2.27934 b |
| JEFF-3.3 | 5.39102 b | 5.39102 b | 5.8748 b | 1.08974 | 108.926 b | 3.90247 b | 2.34379 b |
| JENDL-4.0u | 4.8913 b | 4.8913 b | 5.3108 b | 1.08577 | 86.7147 b | 3.33073 b | 2.32464 b |
| JENDL/HE-2007 | 4.82999 b | 4.82999 b | 5.2317 b | 1.08317 | 87.3895 b | 3.34877 b | 2.32464 b |
| BROND-3.1 | 4.8913 b | 4.8913 b | 5.3108 b | 1.08577 | 87.8579 b | 3.55199 b | 2.27934 b |
| CENDL-3.2 | 4.82999 b | 4.82999 b | 5.2317 b | 1.08317 | 87.3894 b | 3.14069 b | 2.2903 b |
| TENDL-2019 | 5.05455 b | 5.05455 b | 5.4946 b | 1.08706 | 103.242 b | 3.93676 b | 2.34281 b |

| | | |
|------------------|------------------------|-----------------|
| << 22-Ti-46 | 22-Ti-47 | 22-Ti-48 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



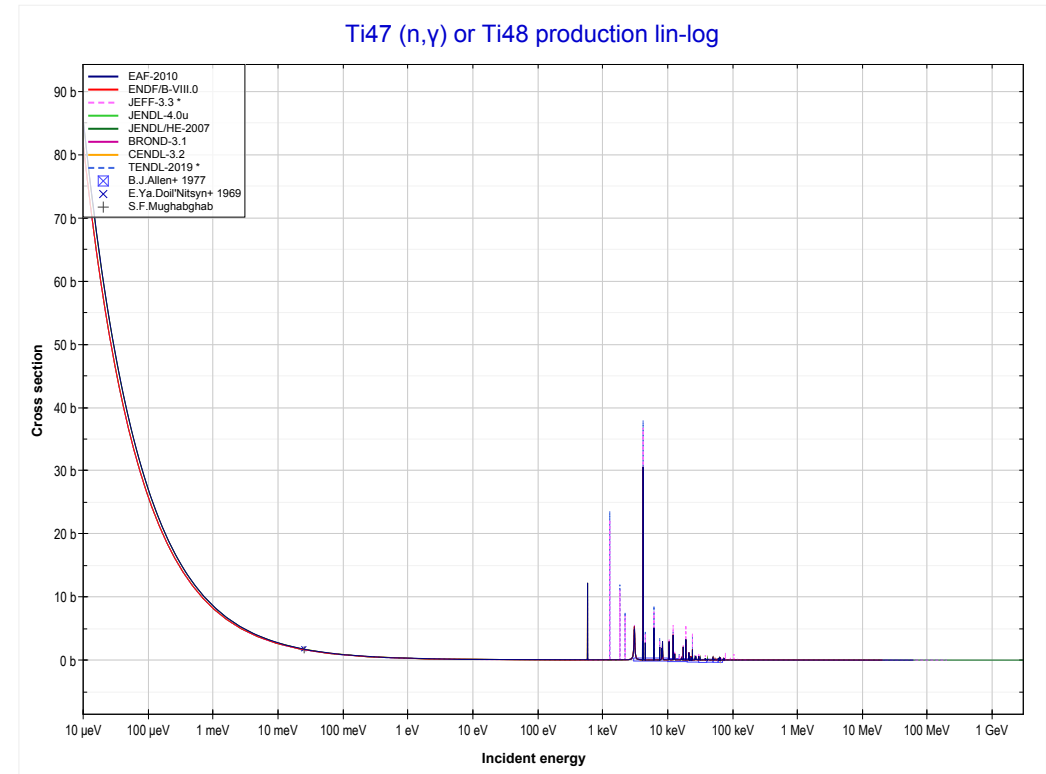
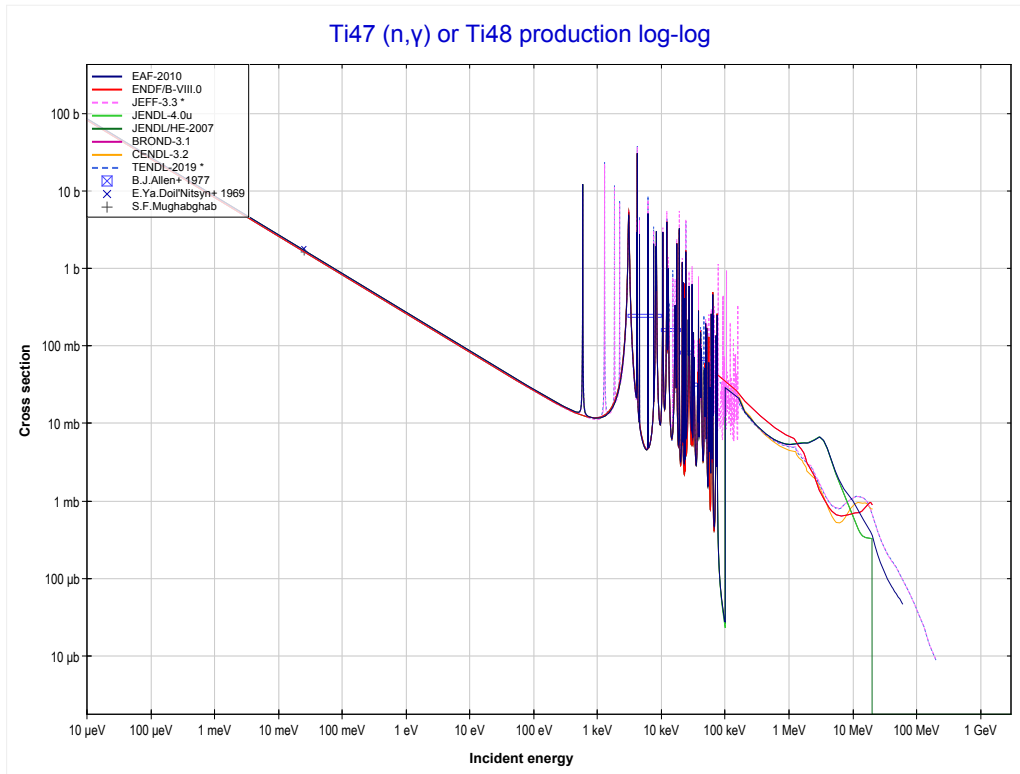
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.2648 b | 3.2648 b | 3.6837 b | 1.12832 | 86.5441 b | 2.64201 b | 1.00483 b |
| JEFF-3.3 | 3.7652 b | 3.7652 b | 4.2484 b | 1.12833 | 107.406 b | 2.94112 b | 1.03386 b |
| JENDL-4.0u | 3.2648 b | 3.2648 b | 3.6837 b | 1.12832 | 85.412 b | 2.42815 b | 1.40423 b |
| JENDL/HE-2007 | 3.12836 b | 3.12836 b | 3.53 b | 1.12838 | 85.9905 b | 2.44688 b | 1.40423 b |
| BROND-3.1 | 3.2648 b | 3.2648 b | 3.6837 b | 1.12832 | 86.5441 b | 2.64202 b | 1.00483 b |
| CENDL-3.2 | 3.12836 b | 3.12836 b | 3.53 b | 1.12838 | 85.9905 b | 2.20871 b | 1.04879 b |
| TENDL-2019 | 3.42717 b | 3.42717 b | 3.8671 b | 1.12838 | 101.723 b | 2.9654 b | 1.03386 b |

| | | |
|--------------------|--|-------------------------|
| << 20-Ca-44 | 22-Ti-47 | 22-Ti-48 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Sc46 production) | MT102 (n, γ) >> |



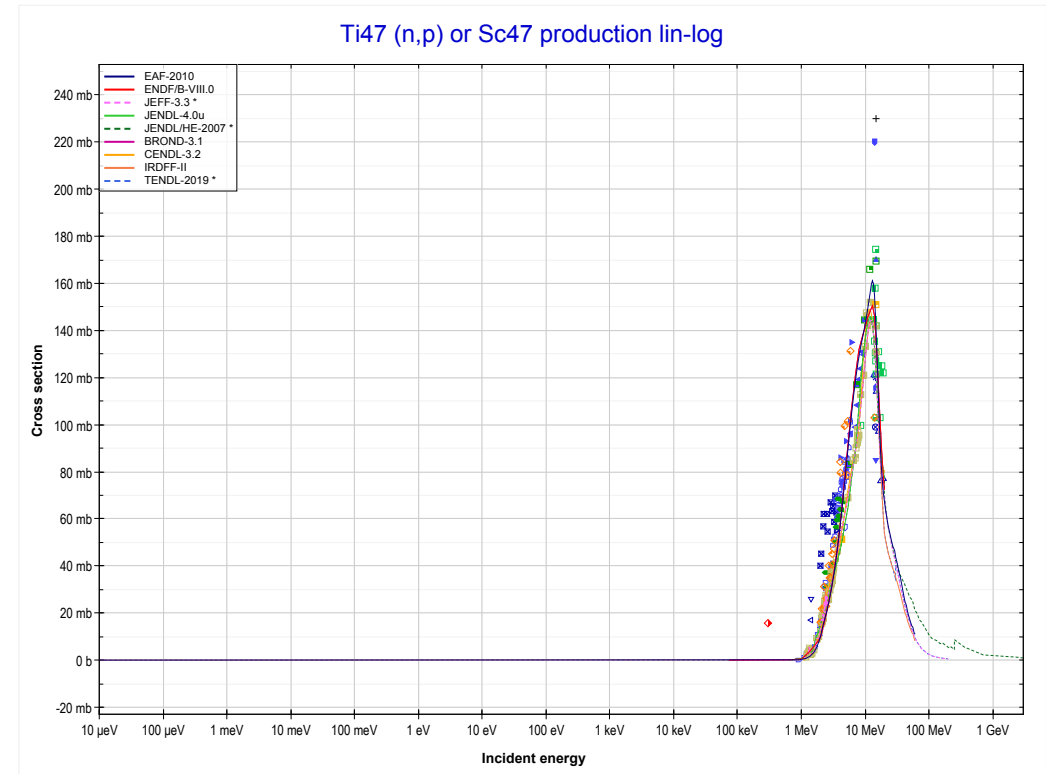
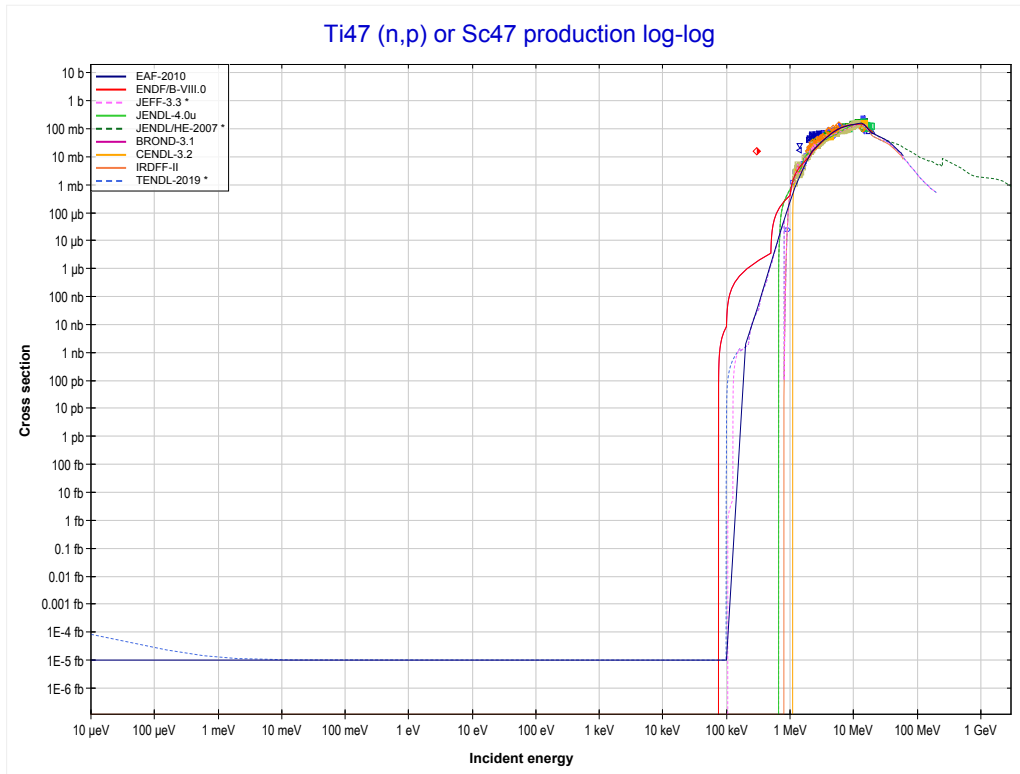
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.34519E-6 b | 0.0203635 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15625E-5 b | 0.0286104 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.36886E-5 b | 0.0364 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36886E-5 b | 0.0364 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.34519E-6 b | 0.0203635 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.98566E-6 b | 0.02349 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15623E-5 b | 0.0285832 b |

| | | |
|-----------------|---|----------------|
| << 22-Ti-46 | 22-Ti-47 | 22-Ti-48 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ti48 production) | MT103 (n,p) >> |



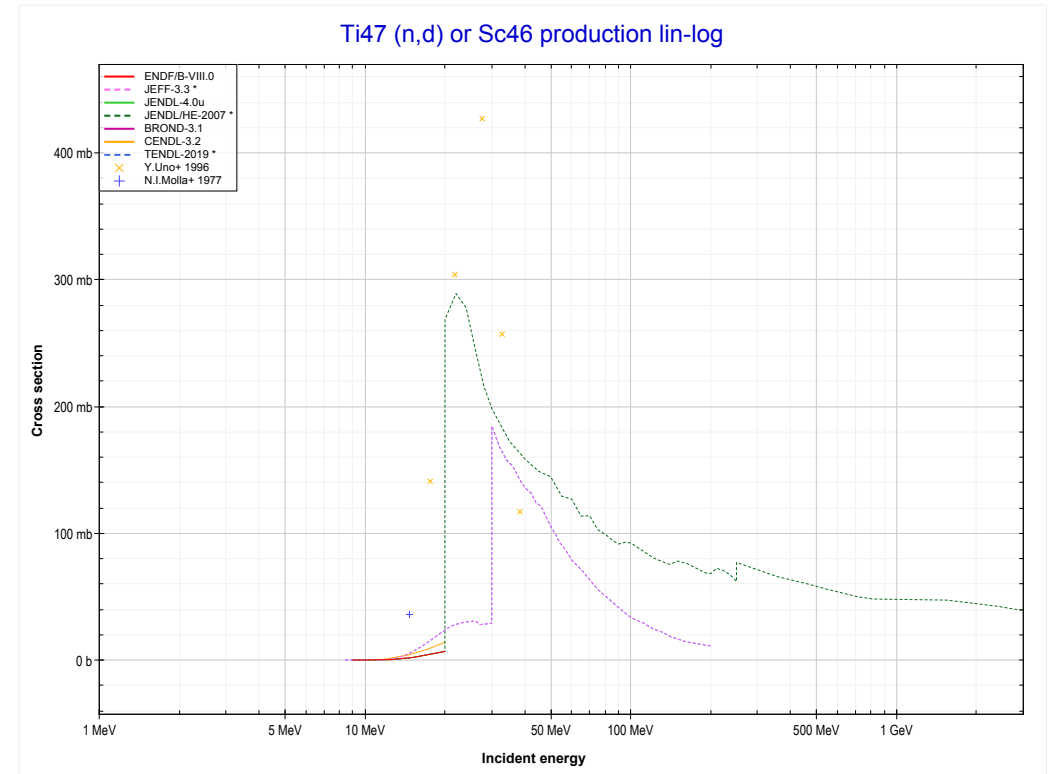
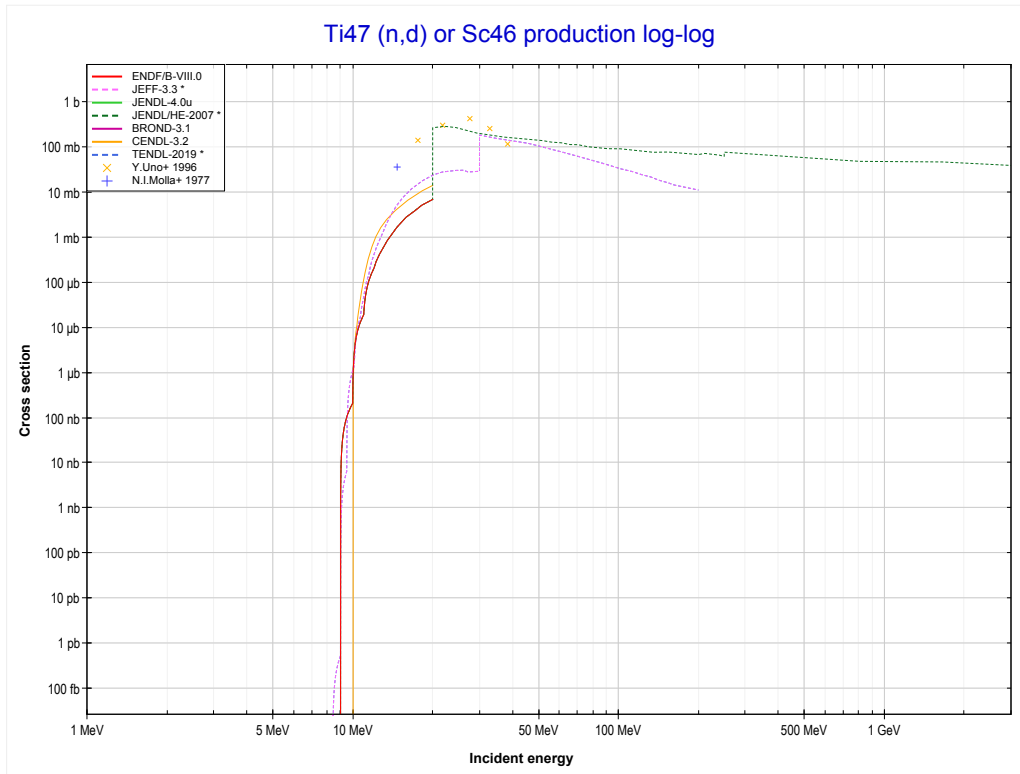
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.7041 b | 1.70297 b | 1.7061 b | 1.00192 | 1.39752 b | 0.00643243 b | 6.0529E-4 b |
| ENDF/B-VIII.0 | 1.6265 b | 1.6265 b | 1.6271 b | 1.00035 | 1.31374 b | 0.00592711 b | 7.41857E-4 b |
| JEFF-3.3 | 1.62581 b | 1.62581 b | 1.6264 b | 1.00038 | 1.51996 b | 0.00480453 b | 0.00110256 b |
| JENDL-4.0u | 1.6265 b | 1.6265 b | 1.6271 b | 1.00035 | 1.30269 b | 0.00640674 b | 3.55159E-4 b |
| JENDL/HE-2007 | 1.70162 b | 1.70162 b | 1.7017 b | 1.00006 | 1.39542 b | 0.00643668 b | 3.55159E-4 b |
| BROND-3.1 | 1.6265 b | 1.6265 b | 1.6271 b | 1.00035 | 1.31374 b | 0.00592711 b | 7.41857E-4 b |
| CENDL-3.2 | 1.70162 b | 1.70162 b | 1.7017 b | 1.00006 | 1.39542 b | 0.00433561 b | 9.3068E-4 b |
| TENDL-2019 | 1.62737 b | 1.62737 b | 1.6275 b | 1.00005 | 1.51486 b | 0.00478164 b | 0.0011158 b |

| | | |
|-------------------------|---|----------------|
| << 22-Ti-46 | 22-Ti-47 | 22-Ti-48 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sc47 production) | MT104 (n,d) >> |



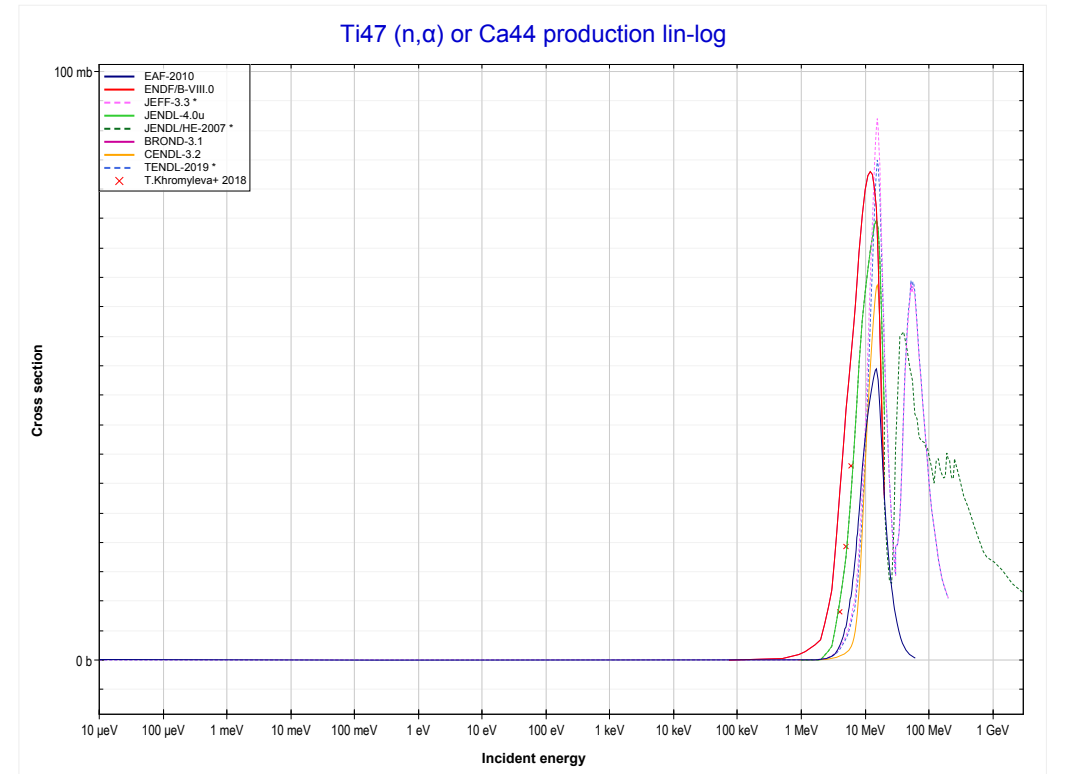
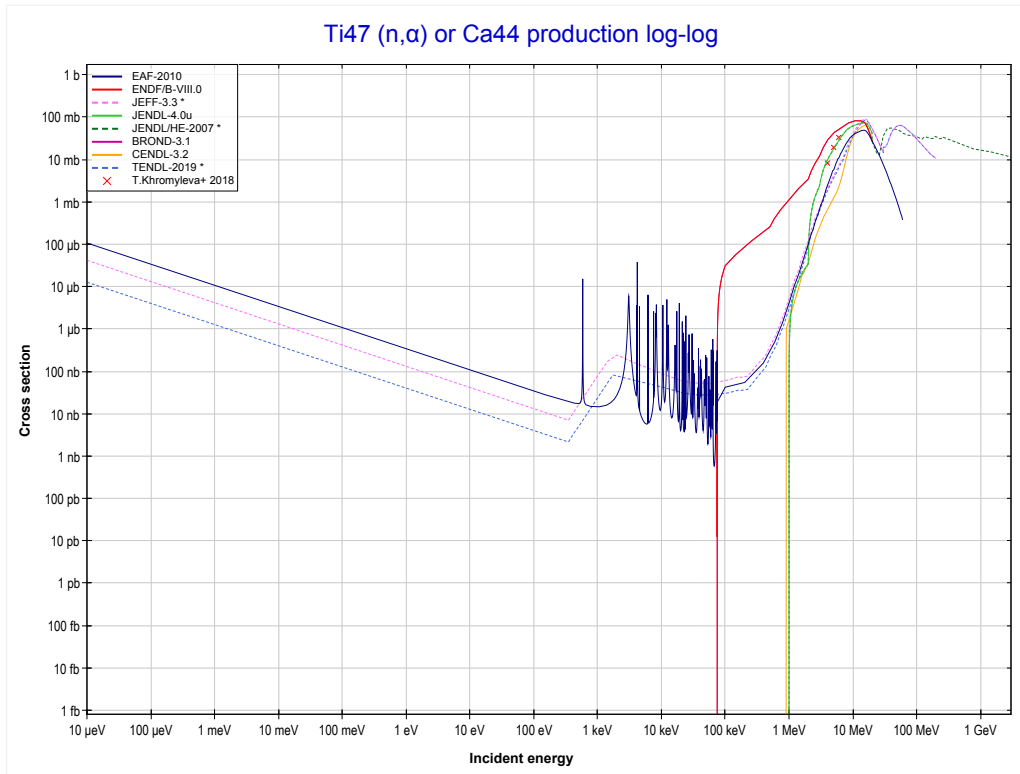
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22077E-19 b | 0.0188676 b | 0.155119 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.1653E-9 b | 0.0195027 b | 0.146289 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0181543 b | 0.13327 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0177412 b | 0.132905 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0177412 b | 0.132905 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.1653E-9 b | 0.0195027 b | 0.146289 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0183545 b | 0.13411 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0181698 b | 0.13327 b |
| TENDL-2019 | 1.0107E-20 b | 1.0107E-20 b | 1.1405E-20 b | 1.12843 | 5.89902E-16 b | 0.0181545 b | 0.13327 b |

| | | |
|----------------|---|-------------------------|
| << 22-Ti-46 | 22-Ti-47 | 22-Ti-48 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sc46 production) | MT107 (n, α) >> |



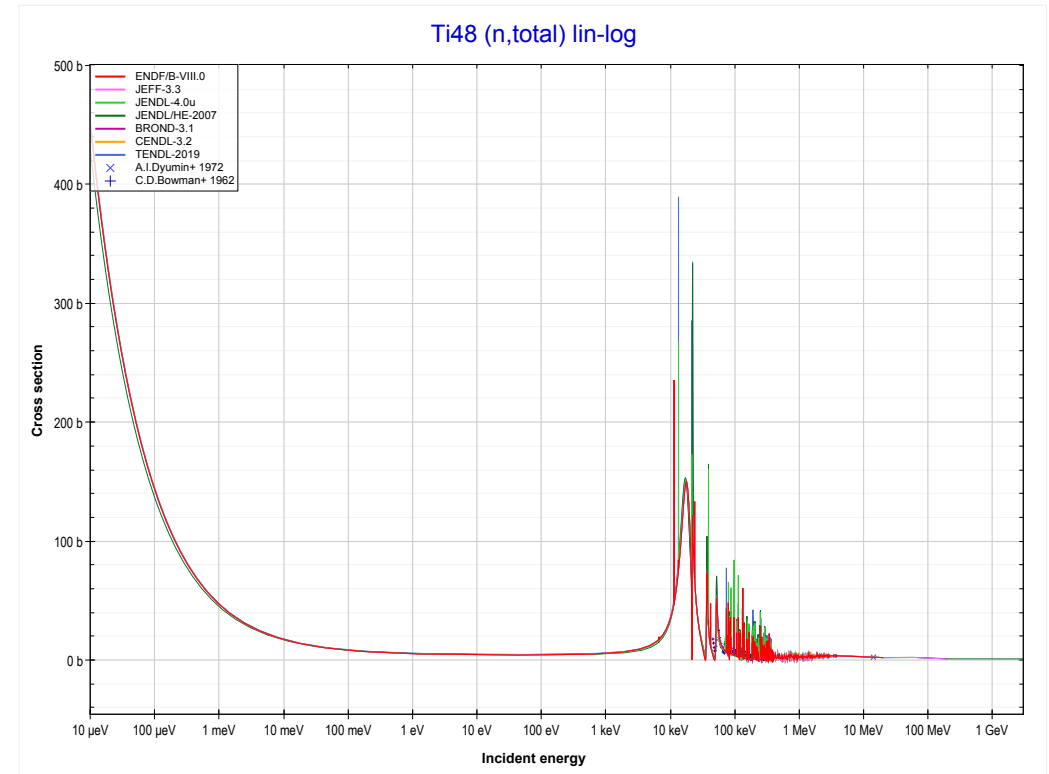
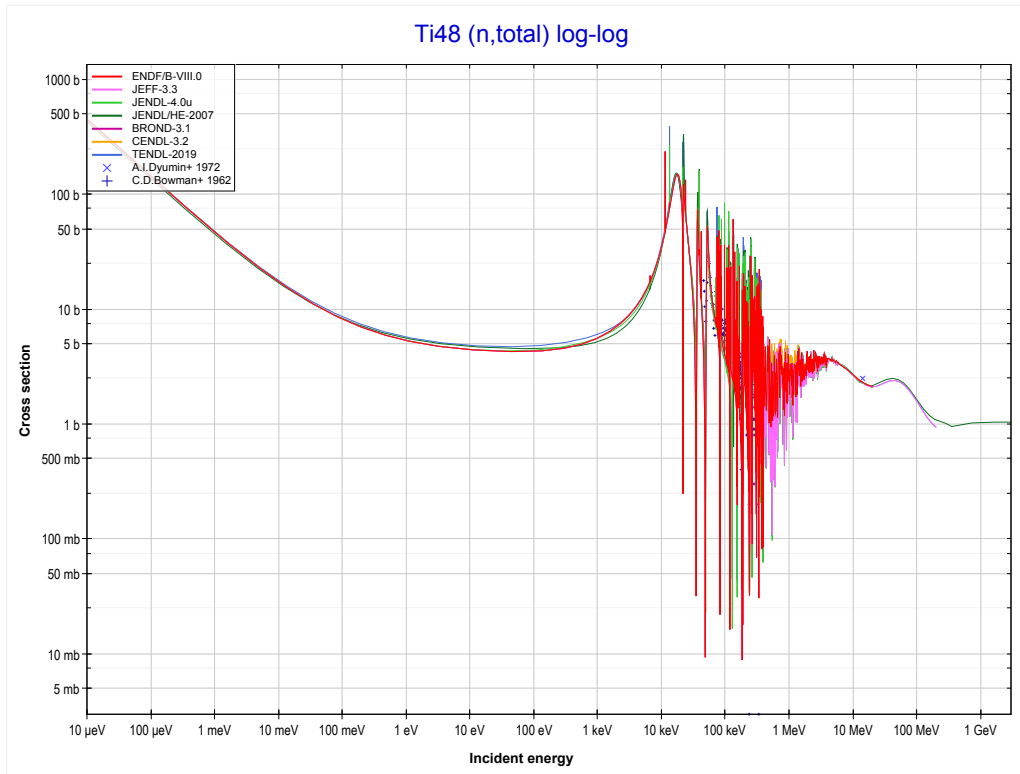
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13039E-7 b | 0.00113836 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.40577E-6 b | 0.00328418 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.13042E-7 b | 0.00113836 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13039E-7 b | 0.00113836 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13039E-7 b | 0.00113836 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45918E-6 b | 0.0032487 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41039E-6 b | 0.00329478 b |

| | | |
|----------------|---|---------------------------|
| << 21-Sc-45 | 22-Ti-47 | 22-Ti-48 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ca44 production) | 22-Ti-48 MT1 (n,total) >> |



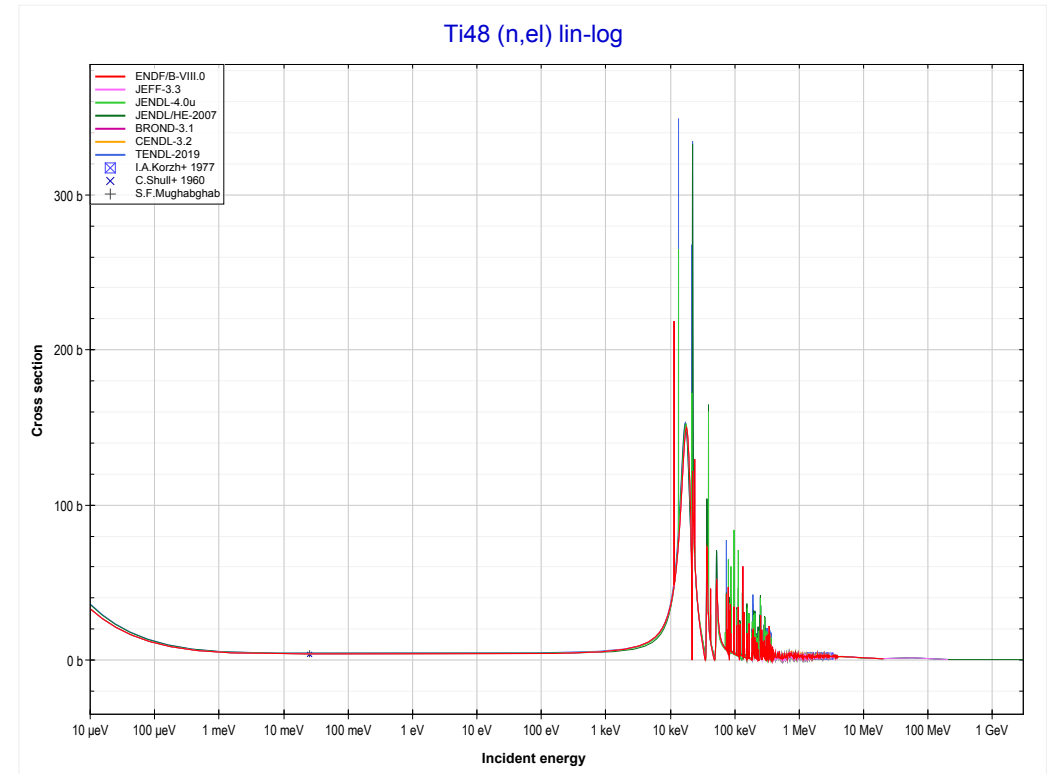
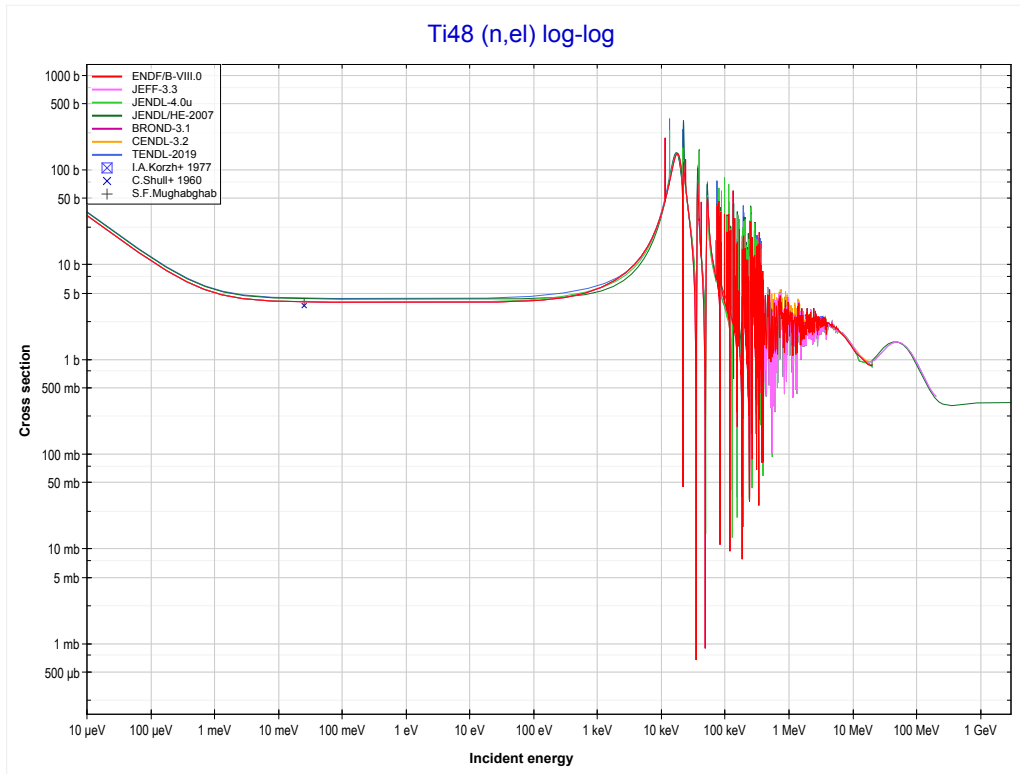
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2.12E-6 b | 2.11846E-6 b | 2.1186E-6 b | 1.00008 | 1.74654E-6 b | 0.00127843 b | 0.0487016 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.26975E-6 b | 0.00927905 b | 0.080025 b |
| JEFF-3.3 | 8.27424E-7 b | 8.27424E-7 b | 8.2741E-7 b | 0.99999 | 8.82893E-7 b | 0.00104201 b | 0.0841035 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0034801 b | 0.0739627 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00348011 b | 0.0739627 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.26975E-6 b | 0.00927905 b | 0.080025 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.7609E-4 b | 0.060205 b |
| TENDL-2019 | 2.53117E-7 b | 2.53117E-7 b | 2.5309E-7 b | 0.9999 | 3.21862E-7 b | 8.98999E-4 b | 0.0763105 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << 22-Ti-47 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



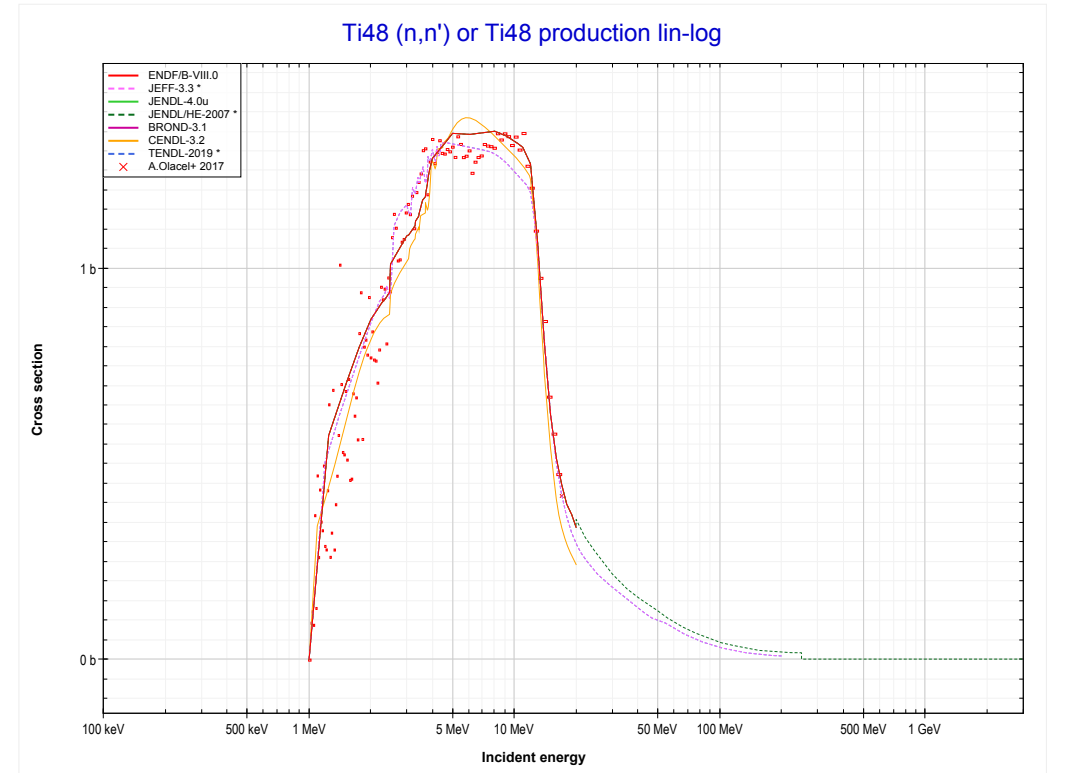
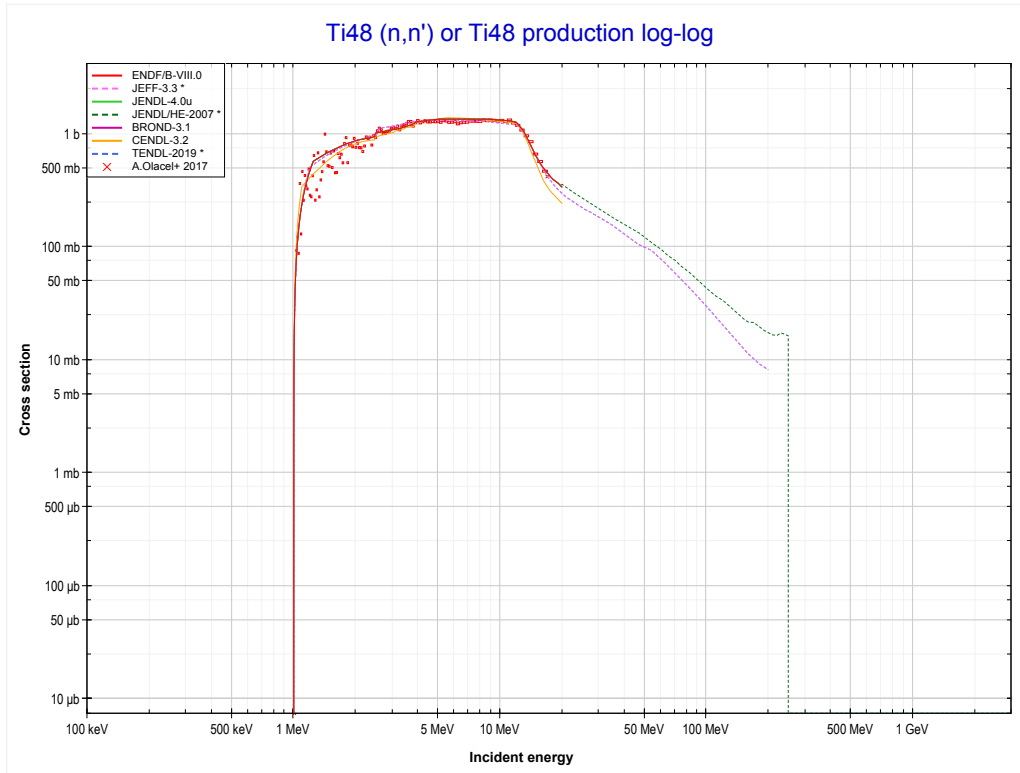
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.3565 b | 12.3565 b | 12.878 b | 1.04217 | 166.434 b | 3.28408 b | 2.30338 b |
| JEFF-3.3 | 12.3565 b | 12.3565 b | 12.878 b | 1.04217 | 166.434 b | 3.09857 b | 2.27977 b |
| JENDL-4.0u | 12.3818 b | 12.3818 b | 12.905 b | 1.04223 | 167.99 b | 3.15011 b | 2.28678 b |
| JENDL/HE-2007 | 12.2056 b | 12.2056 b | 12.767 b | 1.04596 | 175.625 b | 3.23679 b | 2.28678 b |
| BROND-3.1 | 12.3565 b | 12.3565 b | 12.878 b | 1.04217 | 166.434 b | 3.28408 b | 2.30338 b |
| CENDL-3.2 | 12.3539 b | 12.3539 b | 12.873 b | 1.04201 | 166.454 b | 3.31682 b | 2.3055 b |
| TENDL-2019 | 12.7556 b | 12.7556 b | 13.325 b | 1.0446 | 182.135 b | 3.30361 b | 2.27975 b |

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|------------------|------------------------|---------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



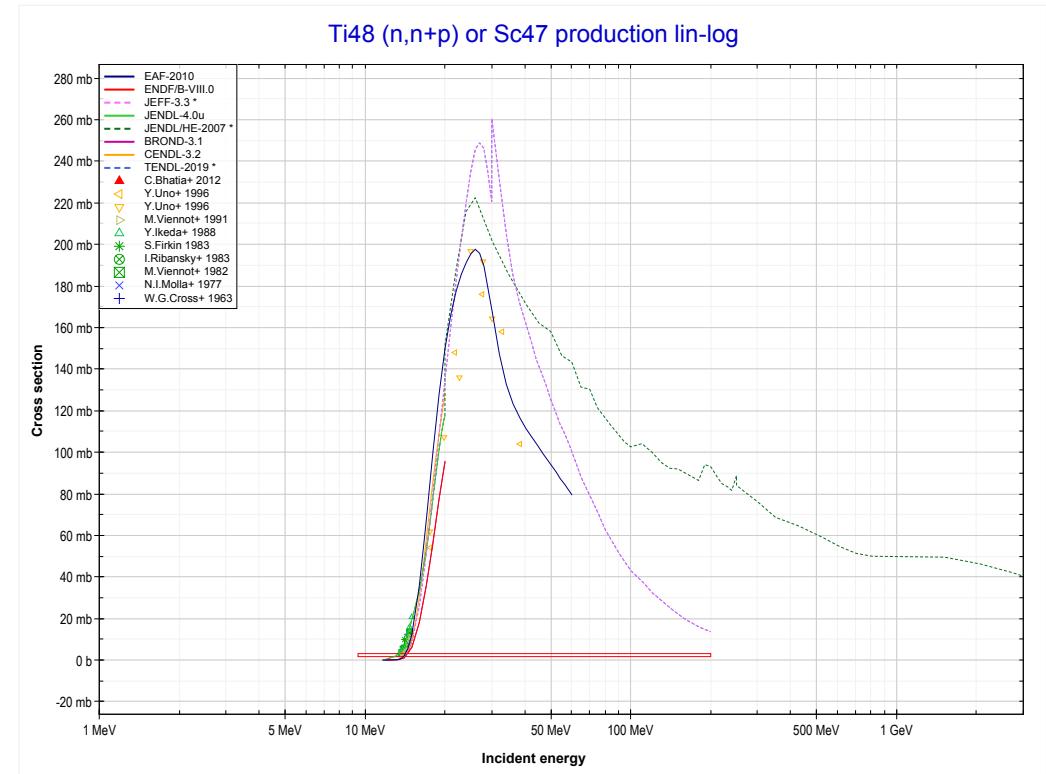
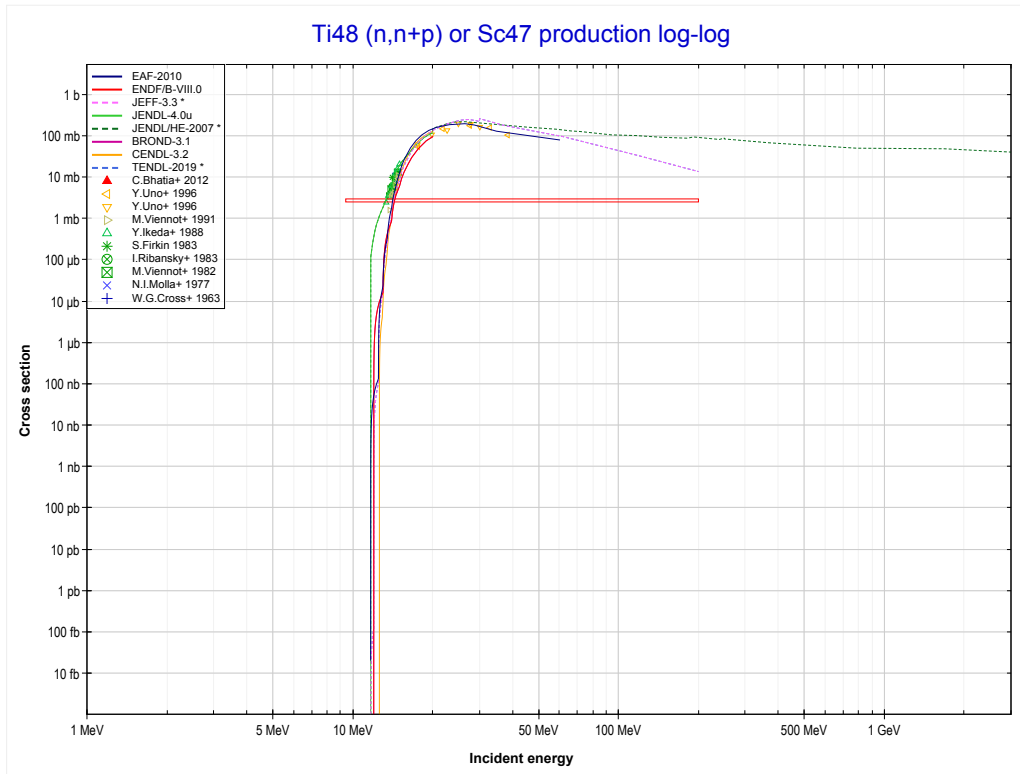
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.03807 b | 4.03807 b | 4.5563 b | 1.12834 | 162.656 b | 2.66218 b | 1.02412 b |
| JEFF-3.3 | 4.03807 b | 4.03807 b | 4.5563 b | 1.12834 | 162.656 b | 2.47045 b | 1.02191 b |
| JENDL-4.0u | 4.0535 b | 4.0535 b | 4.5738 b | 1.12835 | 164.283 b | 2.52821 b | 0.945412 b |
| JENDL/HE-2007 | 4.36558 b | 4.36558 b | 4.9261 b | 1.12839 | 171.951 b | 2.61484 b | 0.945412 b |
| BROND-3.1 | 4.03807 b | 4.03807 b | 4.5563 b | 1.12834 | 162.656 b | 2.66218 b | 1.02412 b |
| CENDL-3.2 | 4.0381 b | 4.0381 b | 4.5566 b | 1.1284 | 162.663 b | 2.72393 b | 1.04963 b |
| TENDL-2019 | 4.4284 b | 4.4284 b | 4.9971 b | 1.12841 | 178.229 b | 2.67498 b | 1.02191 b |

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|--------------------|--|-----------------|
| << 16-S-32 | 22-Ti-48 | 22-Ti-49 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ti48 production) | MT28 (n,n+p) >> |



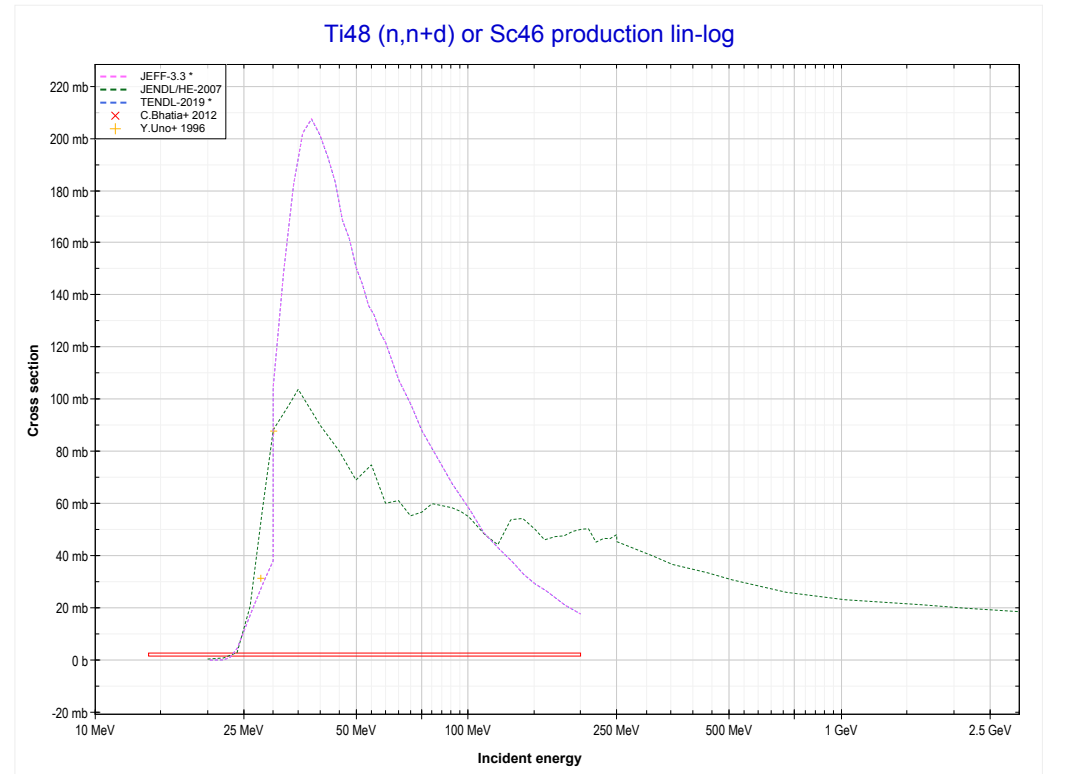
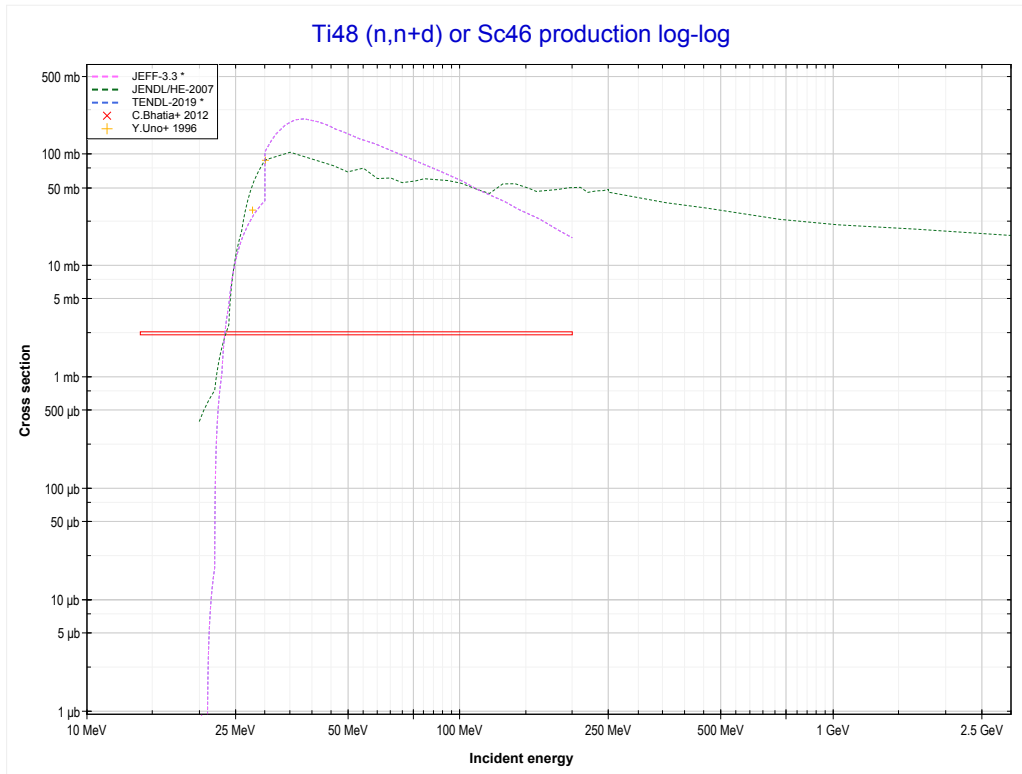
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.619087 b | 0.812373 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.624108 b | 0.818268 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.619087 b | 0.812373 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.619069 b | 0.812373 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.619087 b | 0.812373 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.589025 b | 0.731671 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.624121 b | 0.818595 b |

| | | |
|---------------|--|-----------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Sc47 production) | MT32 (n,n+d) >> |



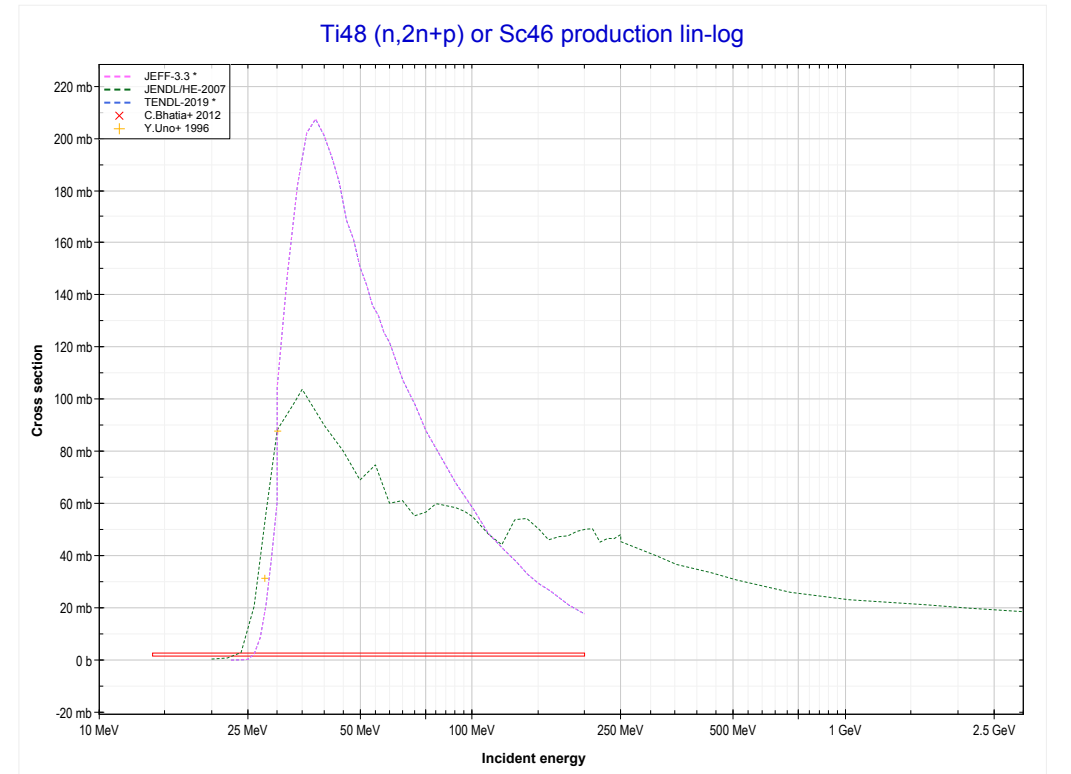
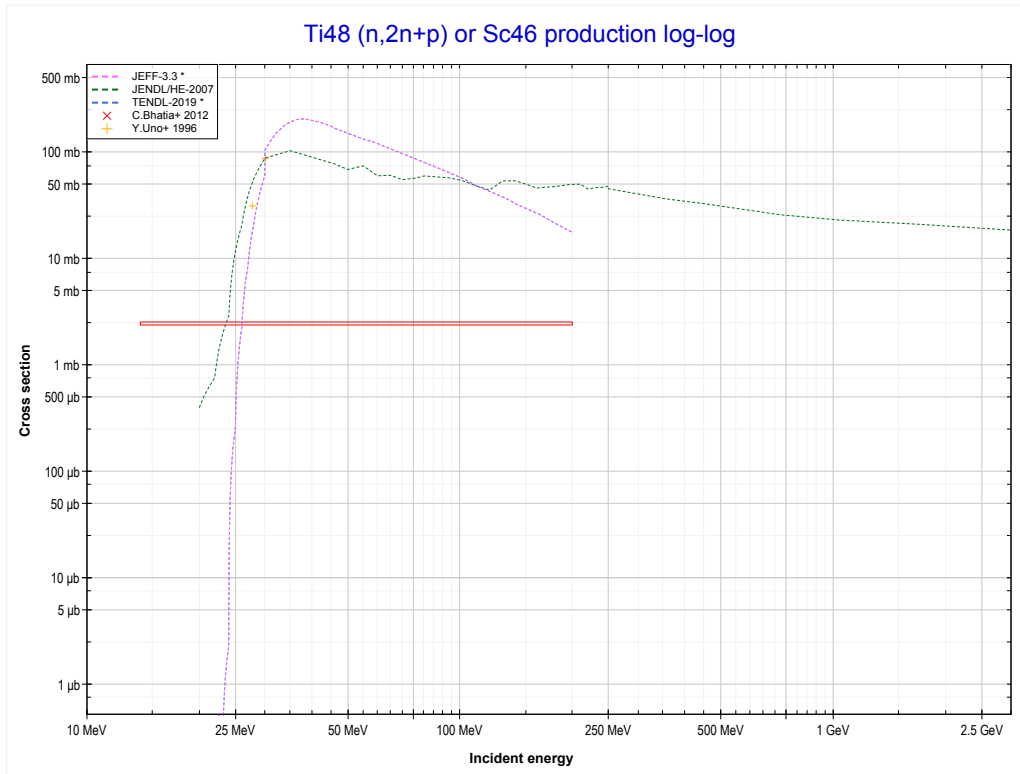
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65344E-6 b | 8.57194E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30182E-6 b | 0.00110006 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.69772E-6 b | 0.00515 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.69757E-6 b | 0.00515 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65344E-6 b | 8.57194E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47825E-6 b | 0.0010211 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30393E-6 b | 0.00110093 b |

| | | |
|-----------------|--|------------------|
| << 22-Ti-46 | 22-Ti-48 | 24-Cr-50 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Sc46 production) | MT41 (n,2n+p) >> |



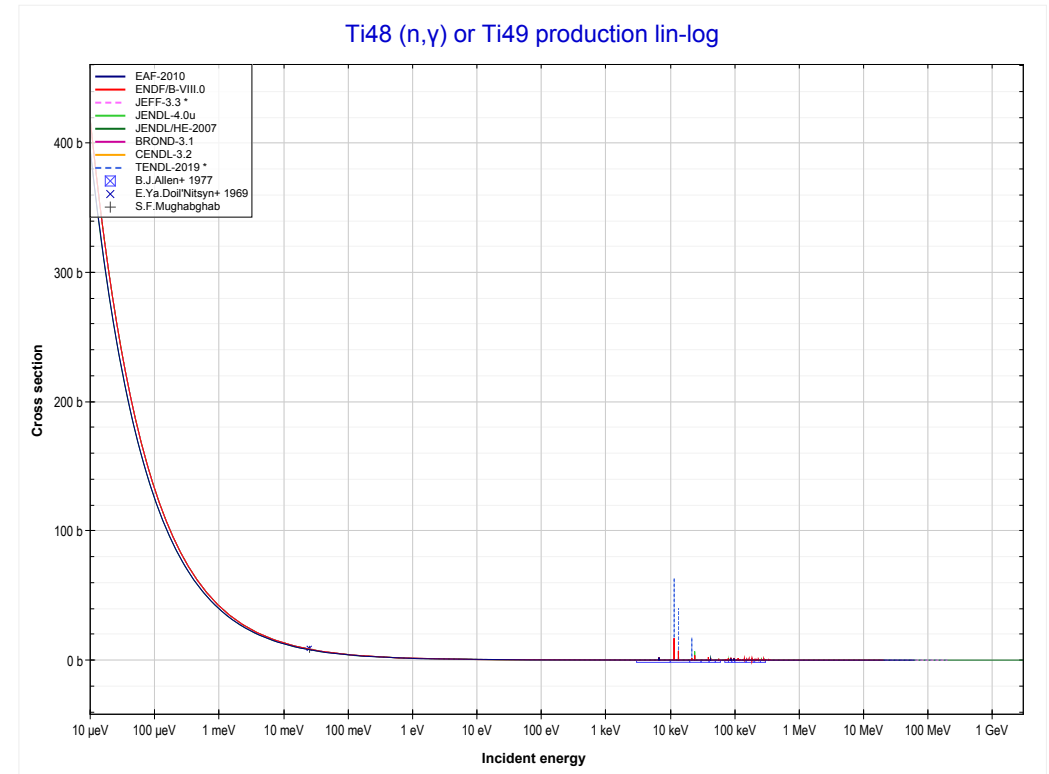
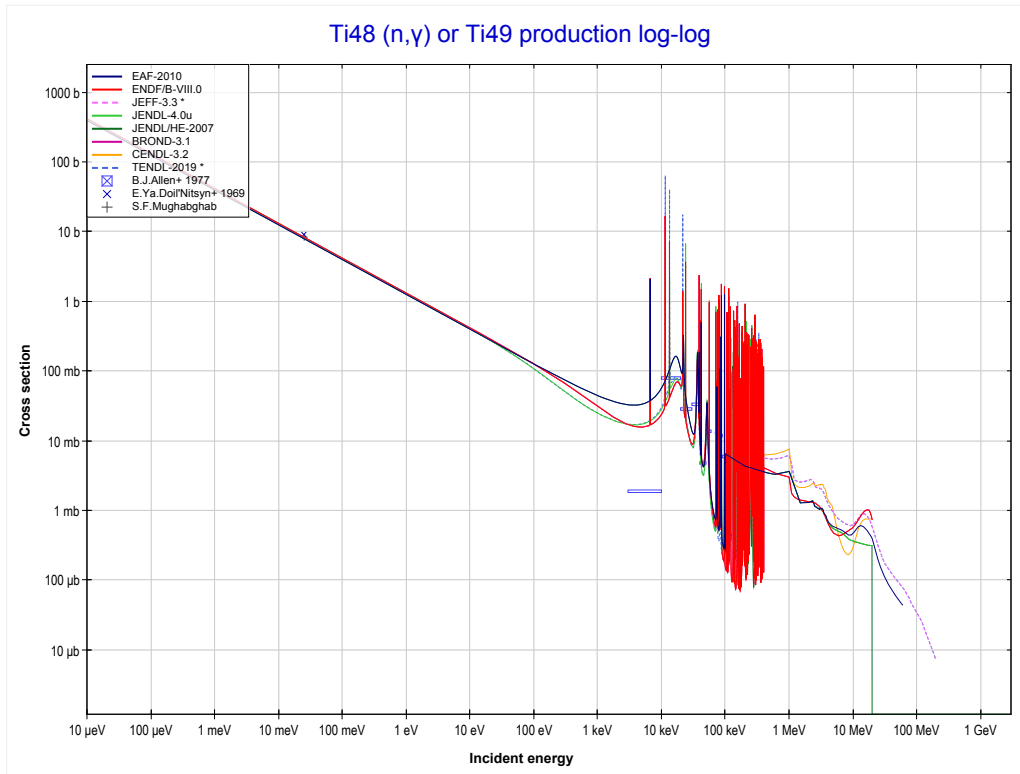
| Reaction | Q-Value |
|------------------|---------------|
| Ti48(n,t)Sc46 | -13610.00 keV |
| Ti48(n,n+d)Sc46 | -19867.23 keV |
| Ti48(n,2n+p)Sc46 | -22091.80 keV |

| | | |
|-----------------|---|-------------------------|
| << 22-Ti-46 | 22-Ti-48 | 24-Cr-50 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Sc46 production) | MT102 (n, γ) >> |



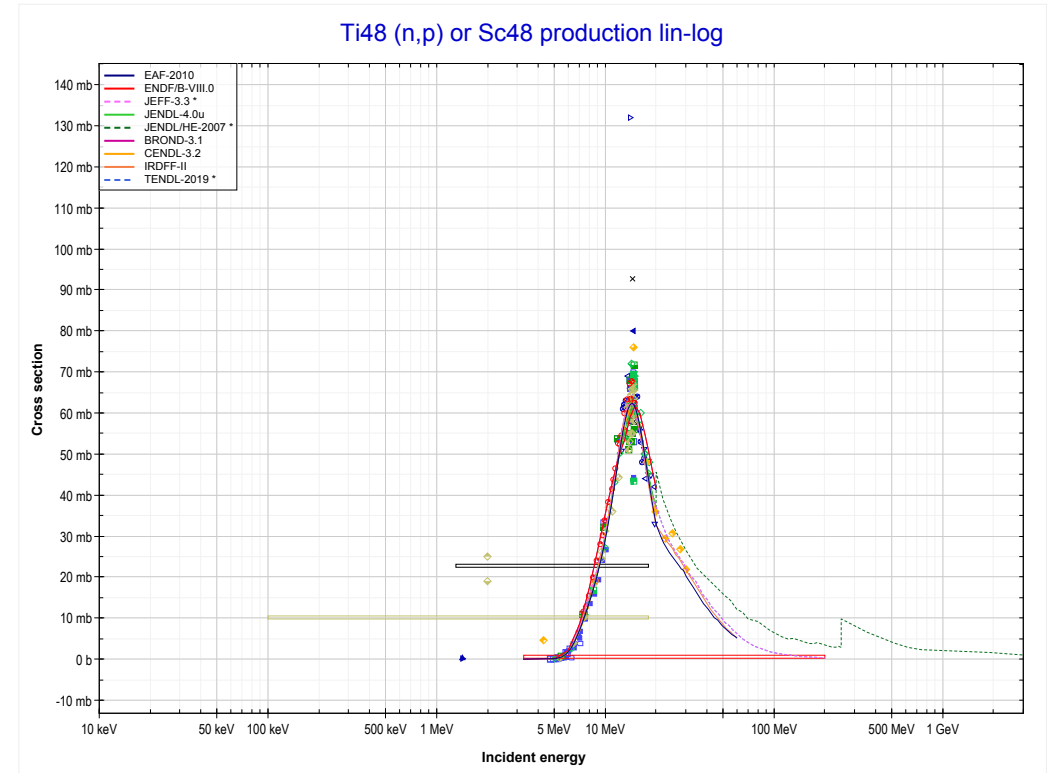
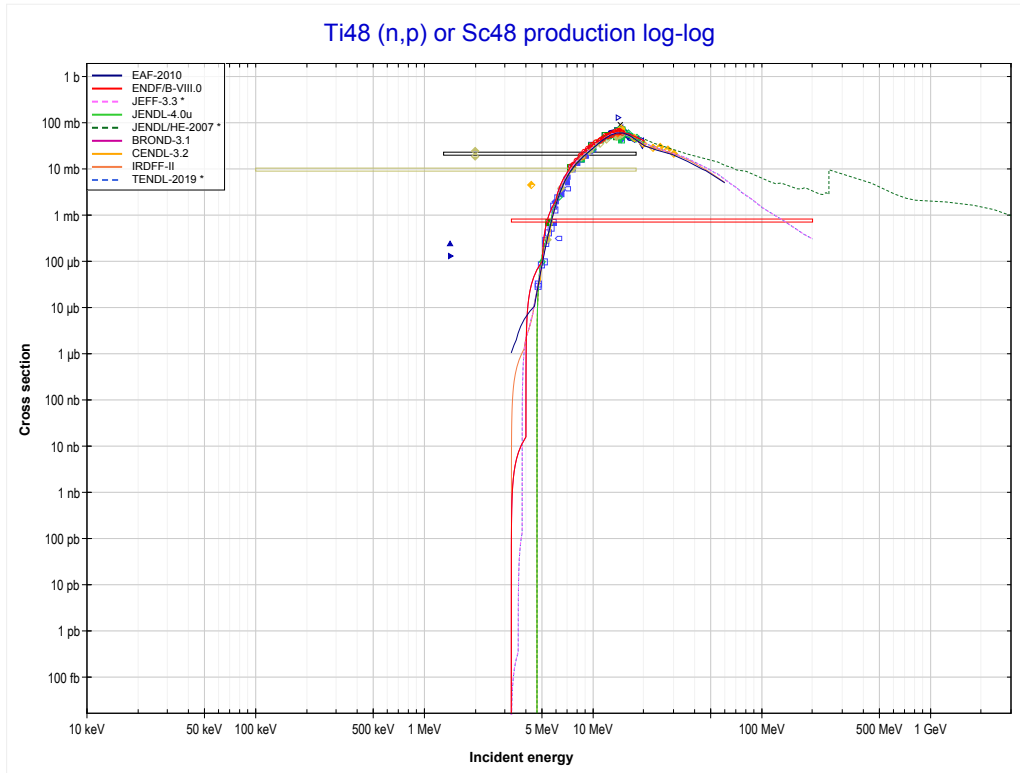
| Reaction | Q-Value |
|------------------|---------------|
| Ti48(n,t)Sc46 | -13610.00 keV |
| Ti48(n,n+d)Sc46 | -19867.23 keV |
| Ti48(n,2n+p)Sc46 | -22091.80 keV |

| | | |
|------------------|---|----------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ti49 production) | MT103 (n,p) >> |



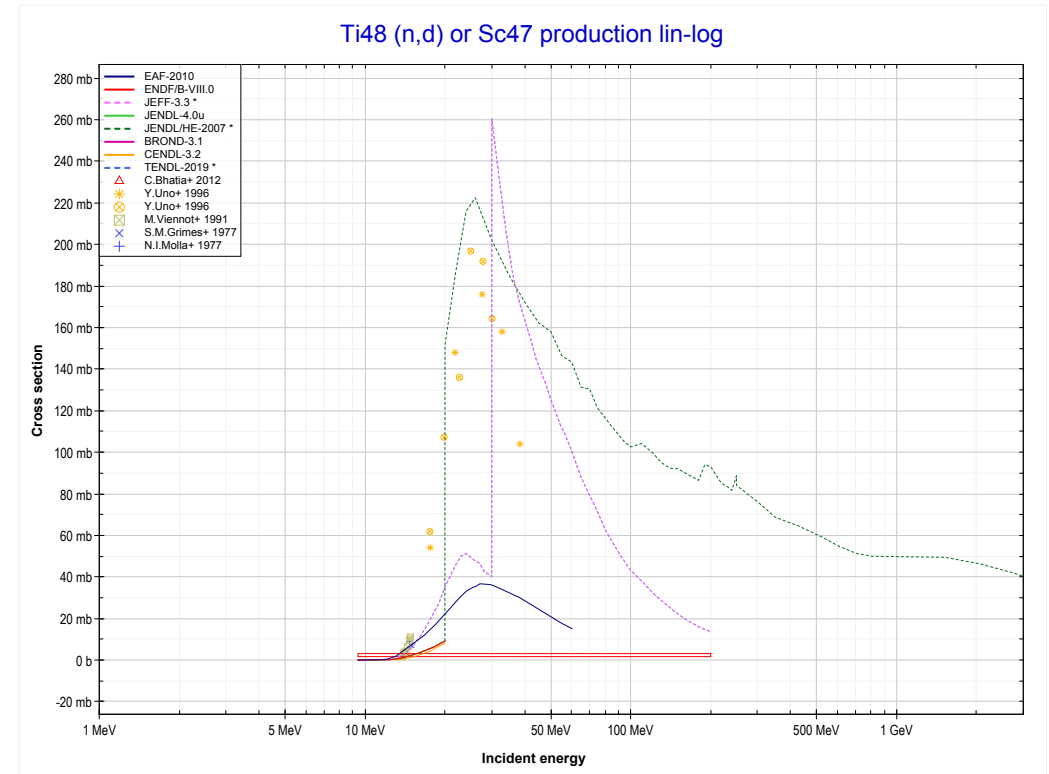
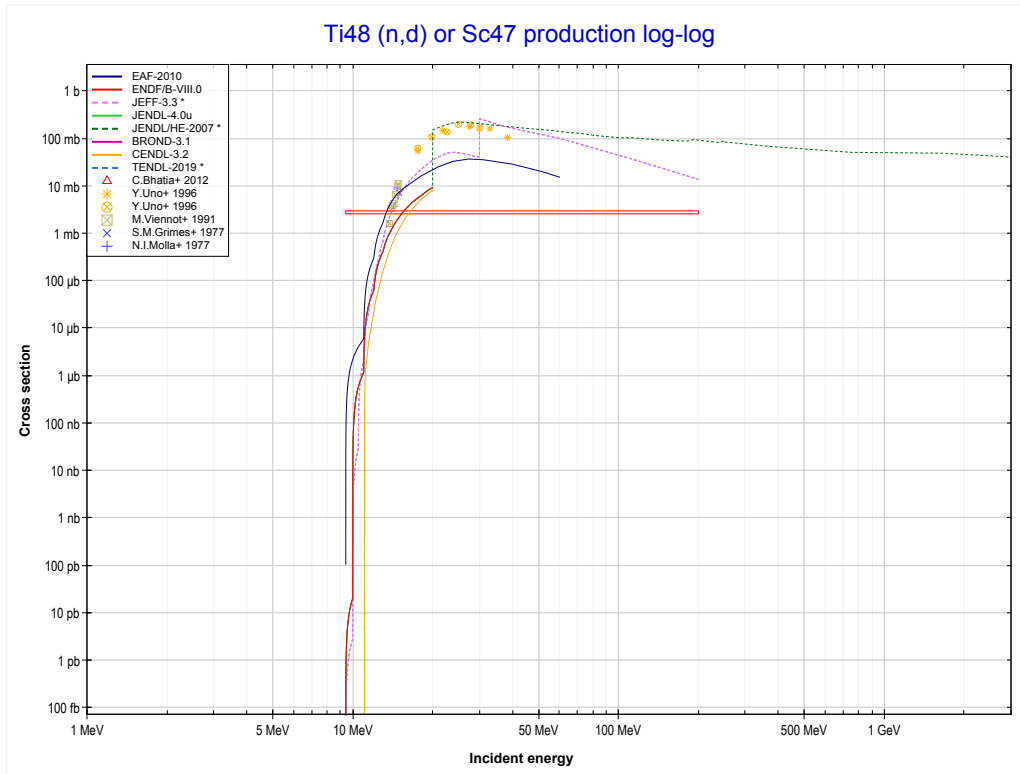
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.8534 b | 7.84844 b | 7.8666 b | 1.00243 | 3.67827 b | 0.00230743 b | 5.9655E-4 b |
| ENDF/B-VIII.0 | 8.31839 b | 8.31839 b | 8.3213 b | 1.00034 | 3.77805 b | 0.00217903 b | 8.90002E-4 b |
| JEFF-3.3 | 8.3184 b | 8.3184 b | 8.3213 b | 1.00034 | 3.77805 b | 0.00346215 b | 8.9561E-4 b |
| JENDL-4.0u | 8.32829 b | 8.32829 b | 8.3309 b | 1.00032 | 3.707 b | 0.00228234 b | 3.30522E-4 b |
| JENDL/HE-2007 | 7.84 b | 7.84 b | 7.8404 b | 1.00005 | 3.66832 b | 0.00234216 b | 3.30522E-4 b |
| BROND-3.1 | 8.31839 b | 8.31839 b | 8.3213 b | 1.00034 | 3.77805 b | 0.00217903 b | 8.90002E-4 b |
| CENDL-3.2 | 8.31581 b | 8.31581 b | 8.3162 b | 1.00005 | 3.77107 b | 0.00354728 b | 7.0158E-4 b |
| TENDL-2019 | 8.32718 b | 8.32718 b | 8.3274 b | 1.00002 | 3.88295 b | 0.0038594 b | 8.93348E-4 b |

| | | |
|-------------------------|---|----------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sc48 production) | MT104 (n,d) >> |



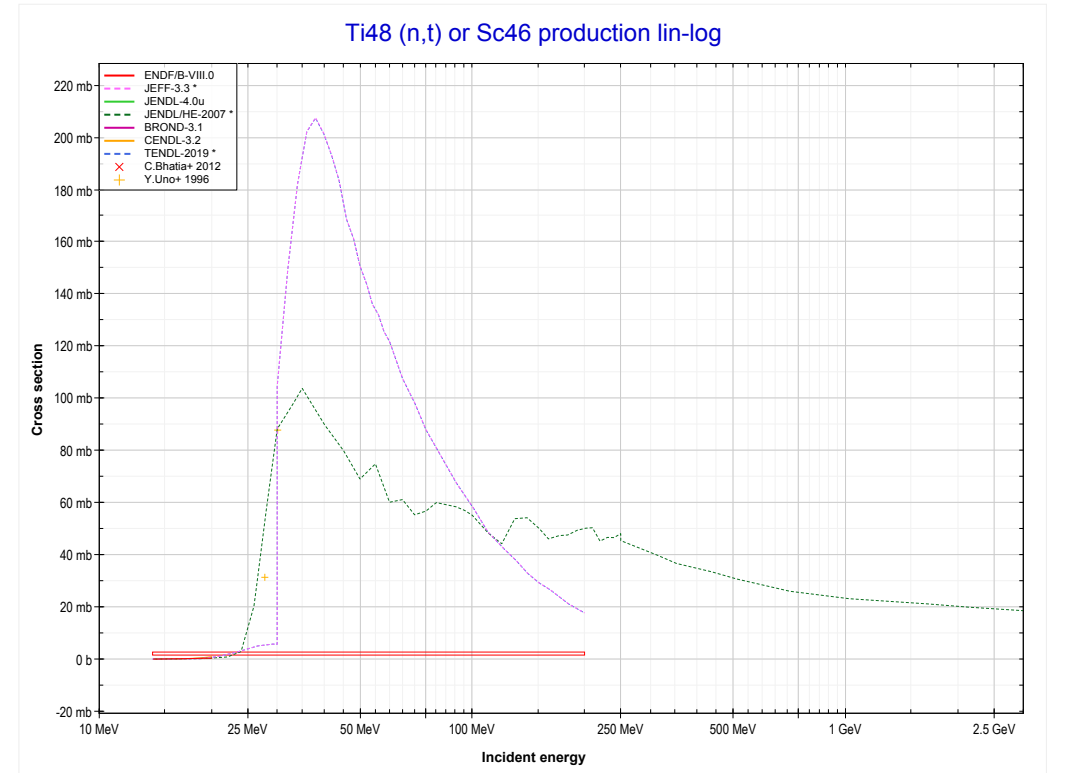
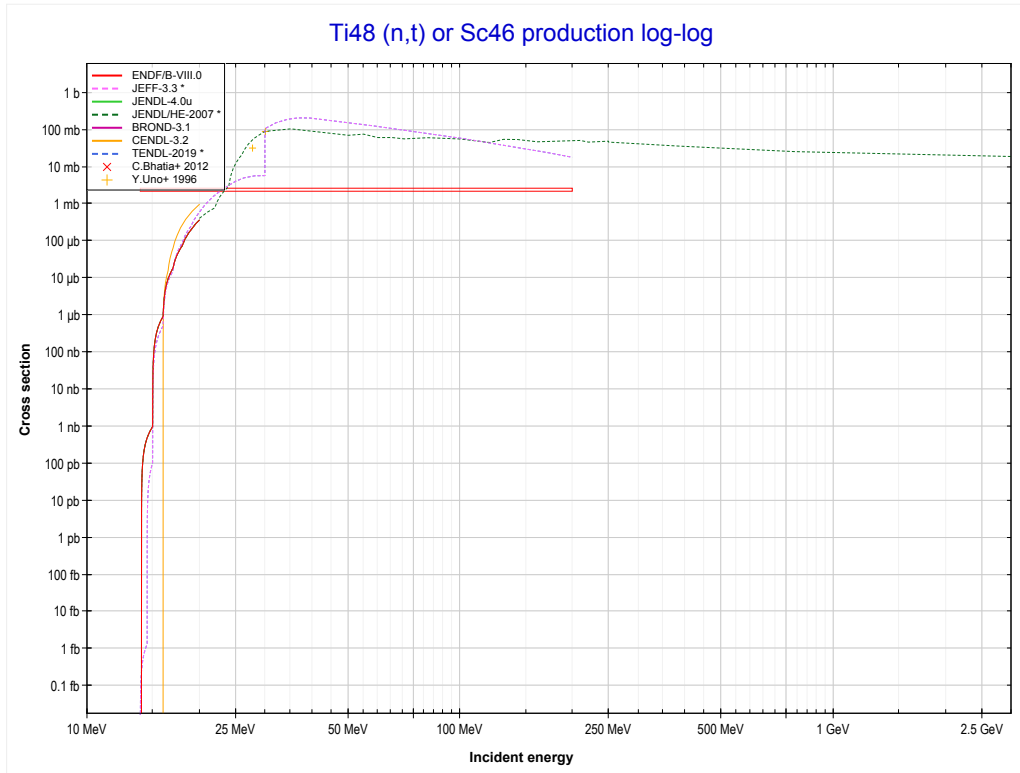
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.464E-4 b | 0.0620088 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32257E-4 b | 0.0589915 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71844E-4 b | 0.0624306 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.52402E-4 b | 0.06012 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.52401E-4 b | 0.06012 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32257E-4 b | 0.0589915 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.44975E-4 b | 0.0607094 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 3.71385E-4 b | 0.0624306 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71843E-4 b | 0.0624306 b |

| | | |
|----------------|---|----------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-49 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sc47 production) | MT105 (n,t) >> |



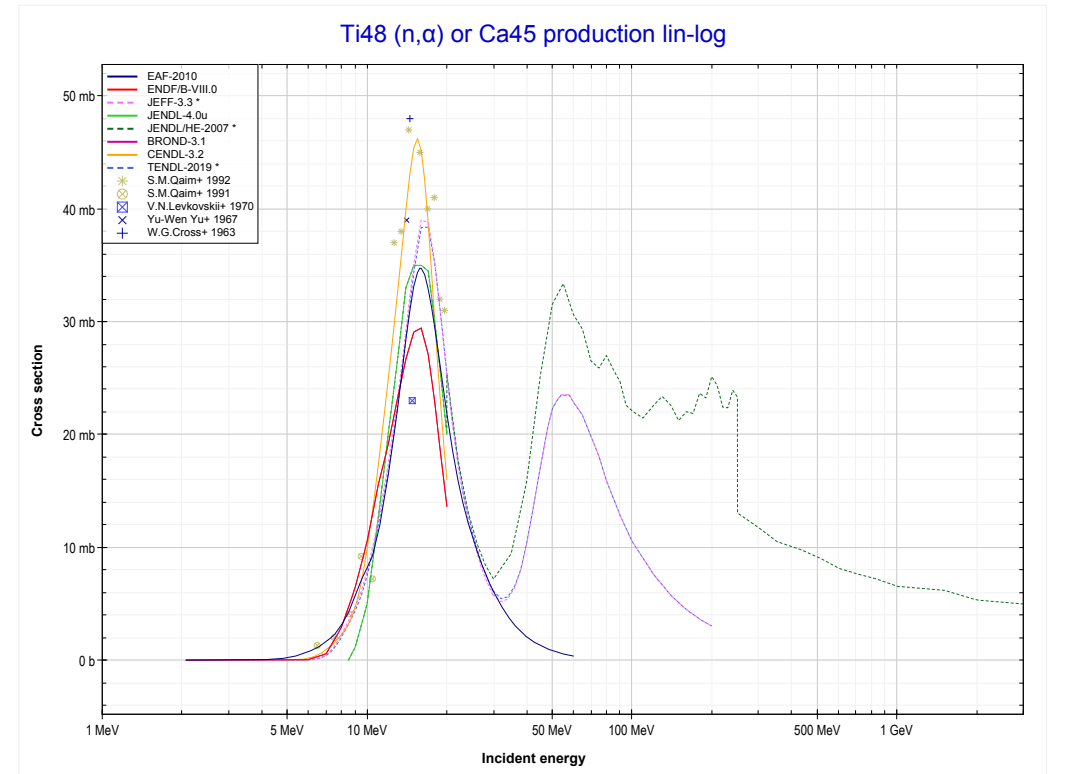
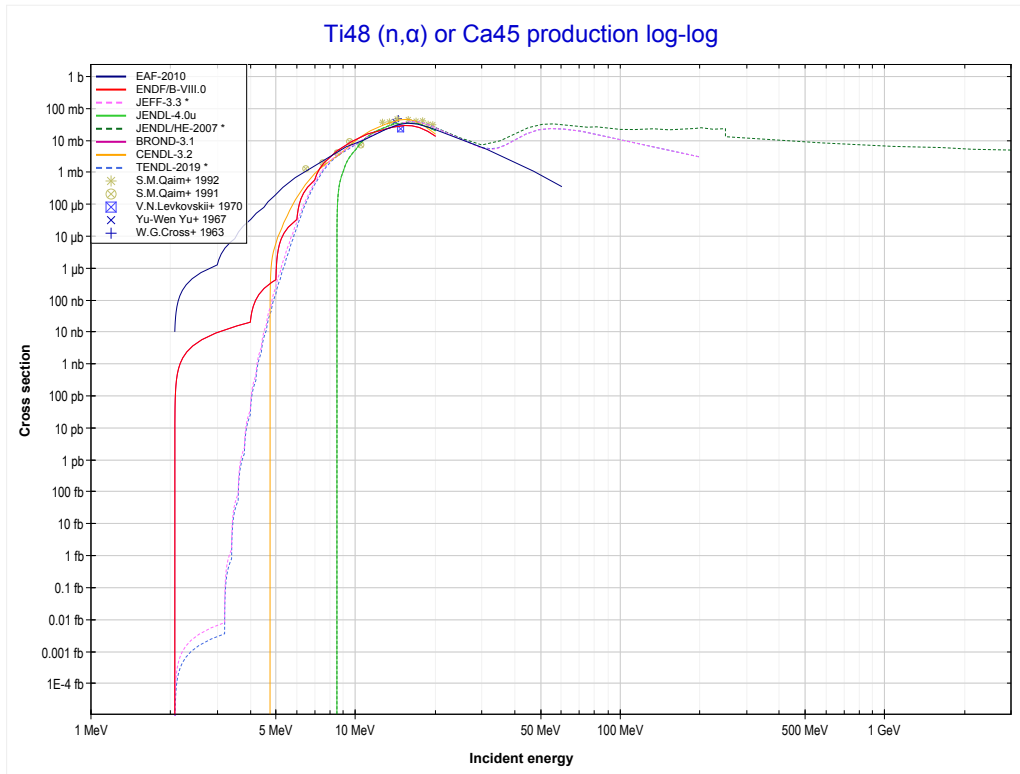
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64007E-6 b | 0.00463525 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.81885E-7 b | 0.00119958 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24252E-6 b | 0.00277993 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.81908E-7 b | 0.00119958 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.81885E-7 b | 0.00119958 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.81885E-7 b | 0.00119958 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64592E-7 b | 5.5112E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2428E-6 b | 0.00278087 b |

| | | |
|----------------|---|-------------------------|
| << 22-Ti-46 | 22-Ti-48 | 23-V-51 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Sc46 production) | MT107 (n, α) >> |



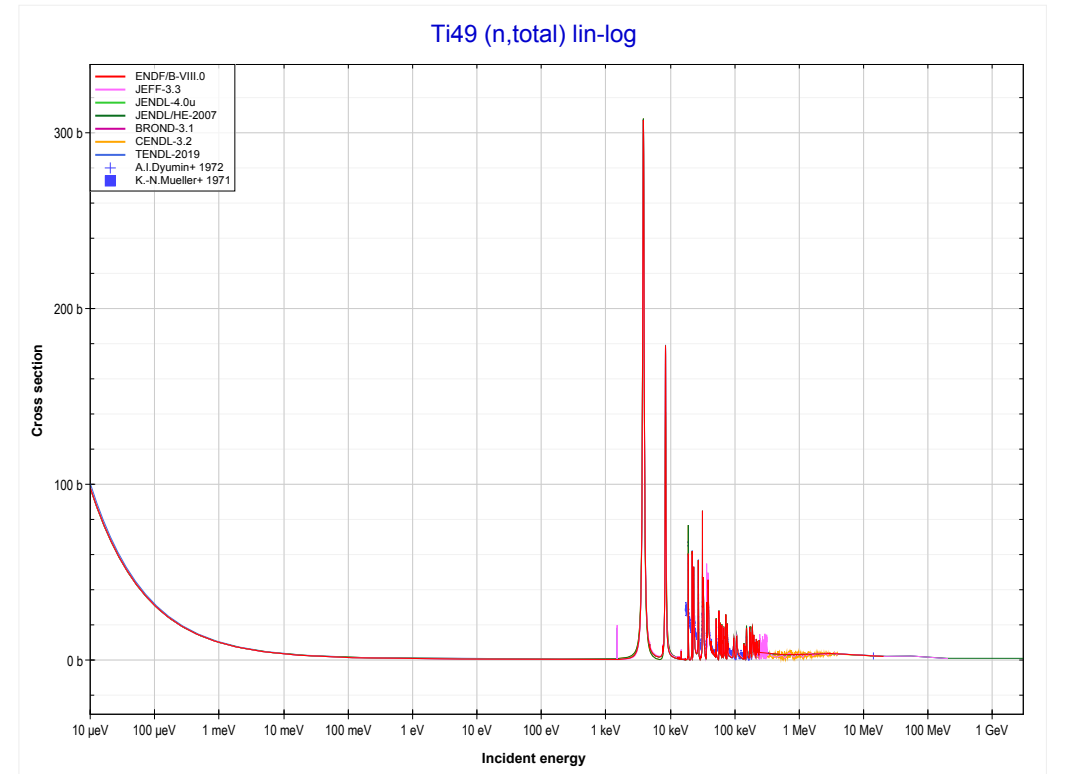
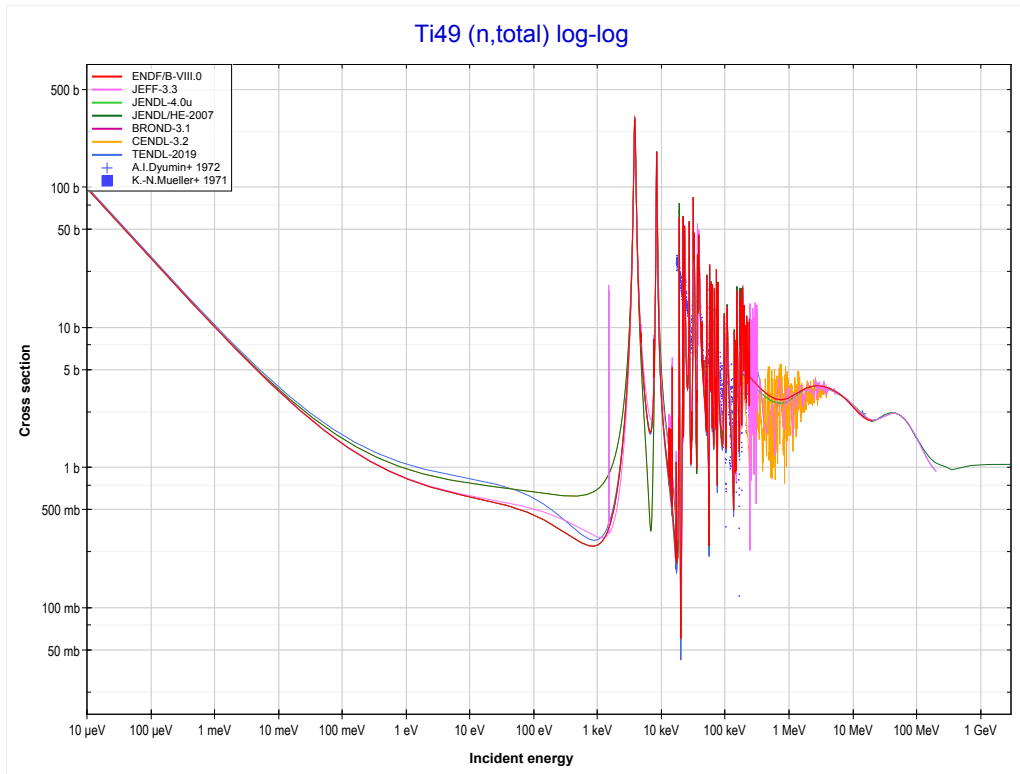
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32964E-9 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6564E-9 b | 2.28899E-16 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.33009E-9 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32964E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32964E-9 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95467E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65621E-9 b | 2.27498E-16 b |

| | | |
|----------------|---|---------------------------|
| << 22-Ti-47 | 22-Ti-48 | 22-Ti-50 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ca45 production) | 22-Ti-49 MT1 (n,total) >> |



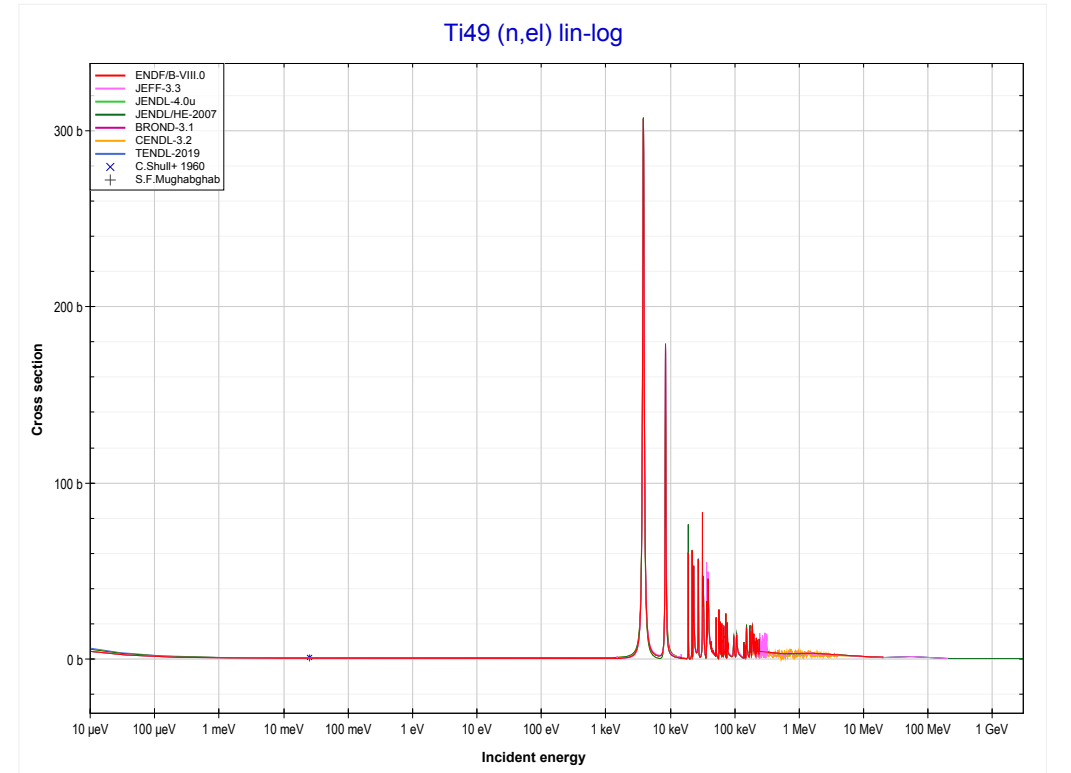
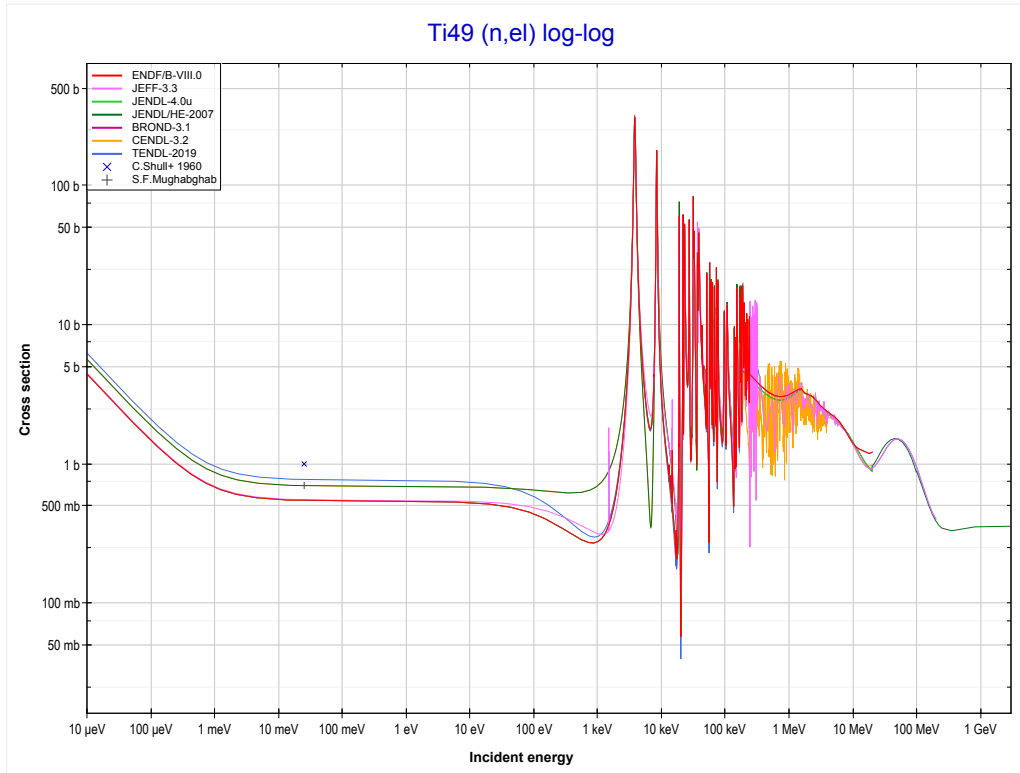
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09505E-4 b | 0.028421 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.36168E-5 b | 0.0266619 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57158E-5 b | 0.0291941 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.58454E-5 b | 0.033 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.58443E-5 b | 0.033 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.36168E-5 b | 0.0266619 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.45604E-5 b | 0.039852 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.11054E-5 b | 0.0284048 b |

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|----------------------------------|----------------------|--------------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << 22-Ti-48 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



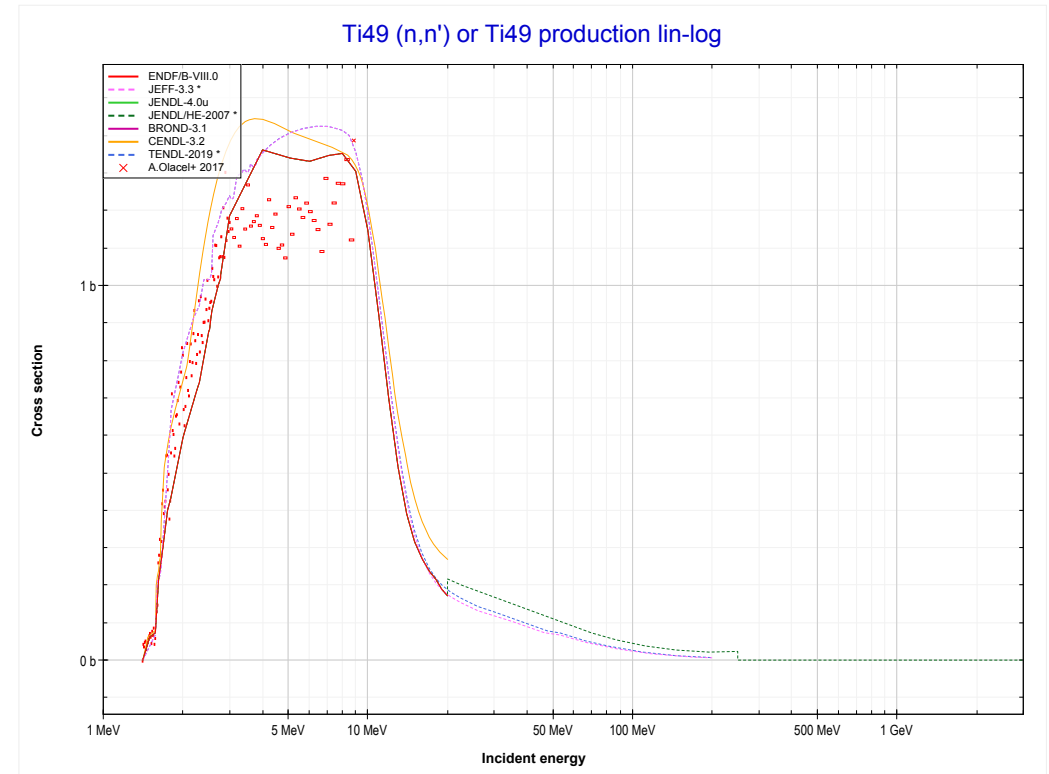
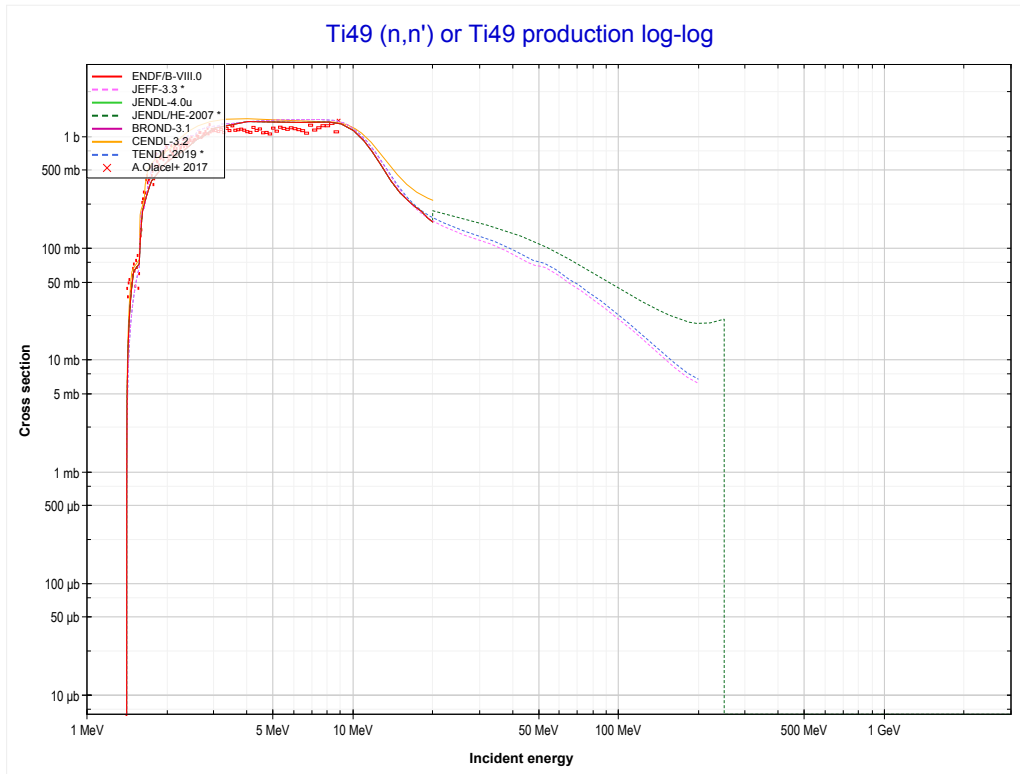
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.40895 b | 2.40895 b | 2.4795 b | 1.02931 | 60.1867 b | 3.64132 b | 2.32746 b |
| JEFF-3.3 | 2.41303 b | 2.41303 b | 2.4844 b | 1.02958 | 61.7632 b | 3.46404 b | 2.3975 b |
| JENDL-4.0u | 2.40895 b | 2.40895 b | 2.4795 b | 1.02931 | 60.1867 b | 3.55963 b | 2.42041 b |
| JENDL/HE-2007 | 2.52595 b | 2.52595 b | 2.6153 b | 1.03538 | 62.1164 b | 3.52258 b | 2.42041 b |
| BROND-3.1 | 2.40895 b | 2.40895 b | 2.4795 b | 1.02931 | 60.1867 b | 3.64133 b | 2.32746 b |
| CENDL-3.2 | 2.52595 b | 2.52595 b | 2.6153 b | 1.03538 | 62.1164 b | 3.1709 b | 2.3207 b |
| TENDL-2019 | 2.64752 b | 2.64752 b | 2.7465 b | 1.0374 | 60.8652 b | 3.48058 b | 2.39757 b |

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|------------------|------------------------|---------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



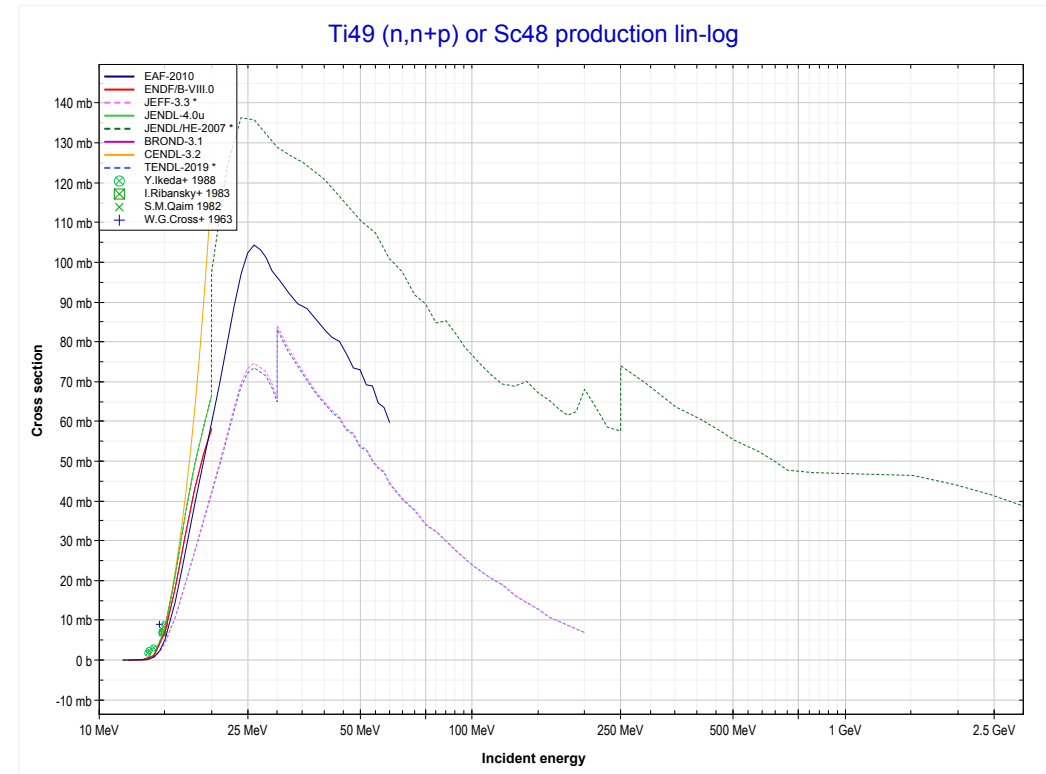
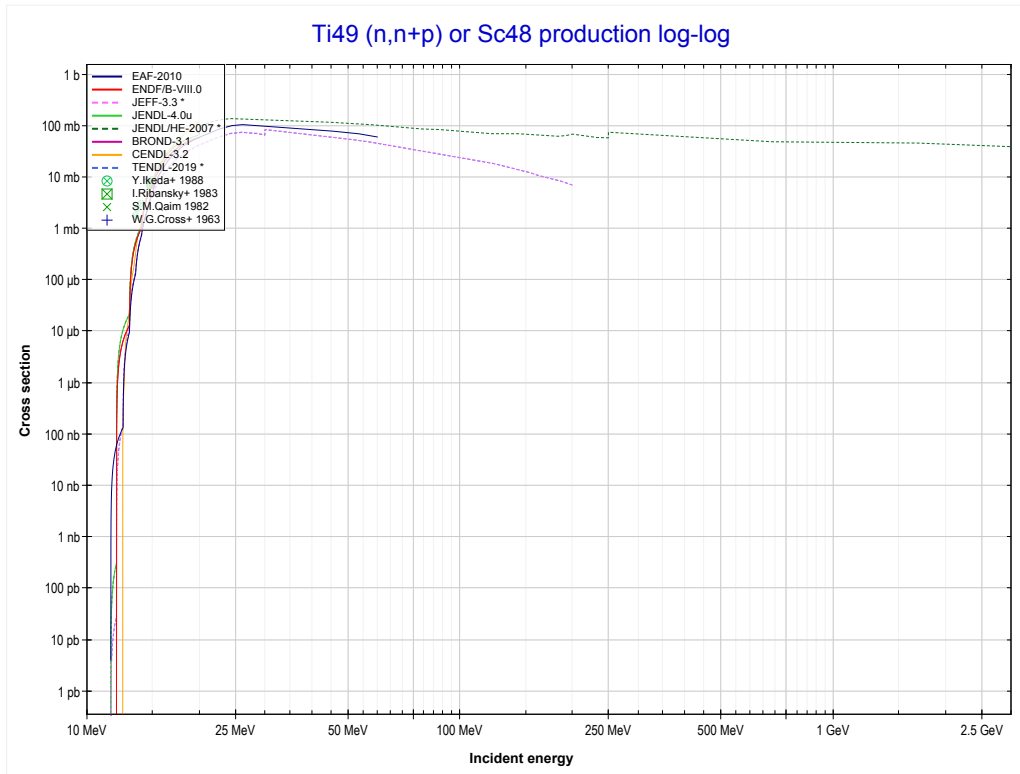
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.546043 b | 0.546043 b | 0.61608 b | 1.12826 | 59.2699 b | 3.15569 b | 1.25535 b |
| JEFF-3.3 | 0.552077 b | 0.552077 b | 0.6229 b | 1.12829 | 60.8093 b | 2.9234 b | 1.04134 b |
| JENDL-4.0u | 0.546043 b | 0.546043 b | 0.61608 b | 1.12826 | 59.2699 b | 3.07297 b | 1.1056 b |
| JENDL/HE-2007 | 0.696221 b | 0.696221 b | 0.7856 b | 1.12837 | 61.2396 b | 3.03671 b | 1.1056 b |
| BROND-3.1 | 0.546043 b | 0.546043 b | 0.61608 b | 1.12826 | 59.2699 b | 3.1557 b | 1.25535 b |
| CENDL-3.2 | 0.696221 b | 0.696221 b | 0.7856 b | 1.12837 | 61.2396 b | 2.60045 b | 1.05545 b |
| TENDL-2019 | 0.771692 b | 0.771692 b | 0.8707 b | 1.1283 | 59.9057 b | 2.9398 b | 1.04136 b |

| | | |
|--------------------|--|-----------------|
| << 22-Ti-48 | 22-Ti-49 | 24-Cr-50 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ti49 production) | MT28 (n,n+p) >> |



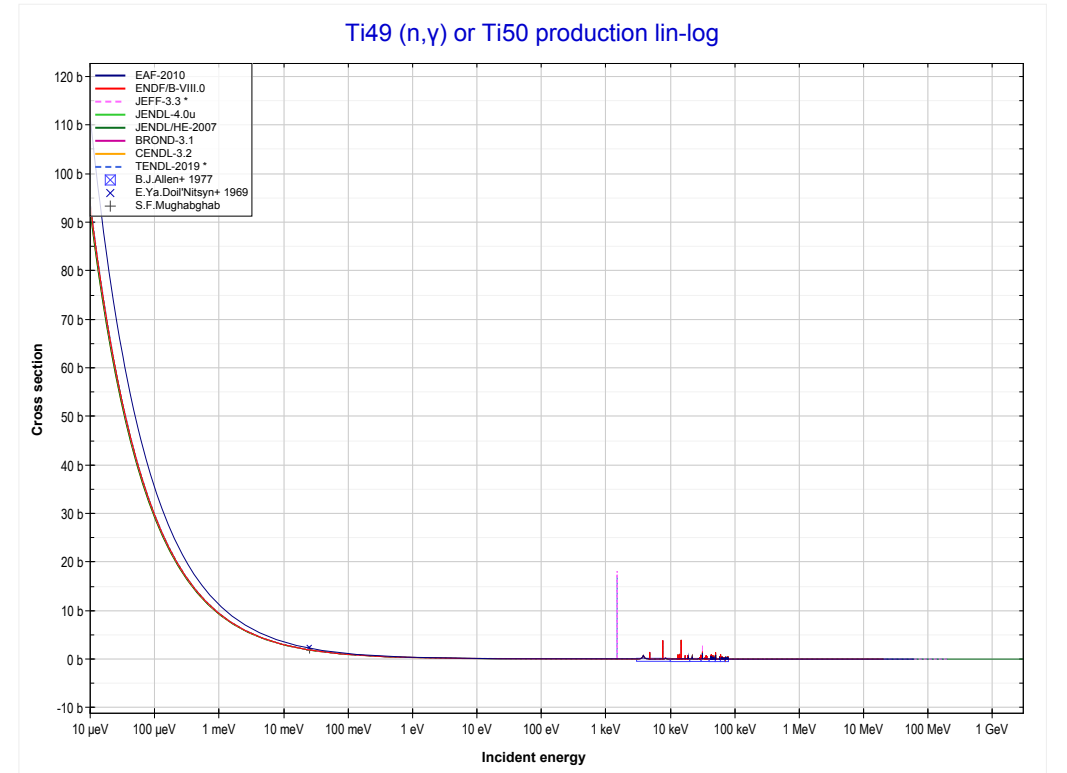
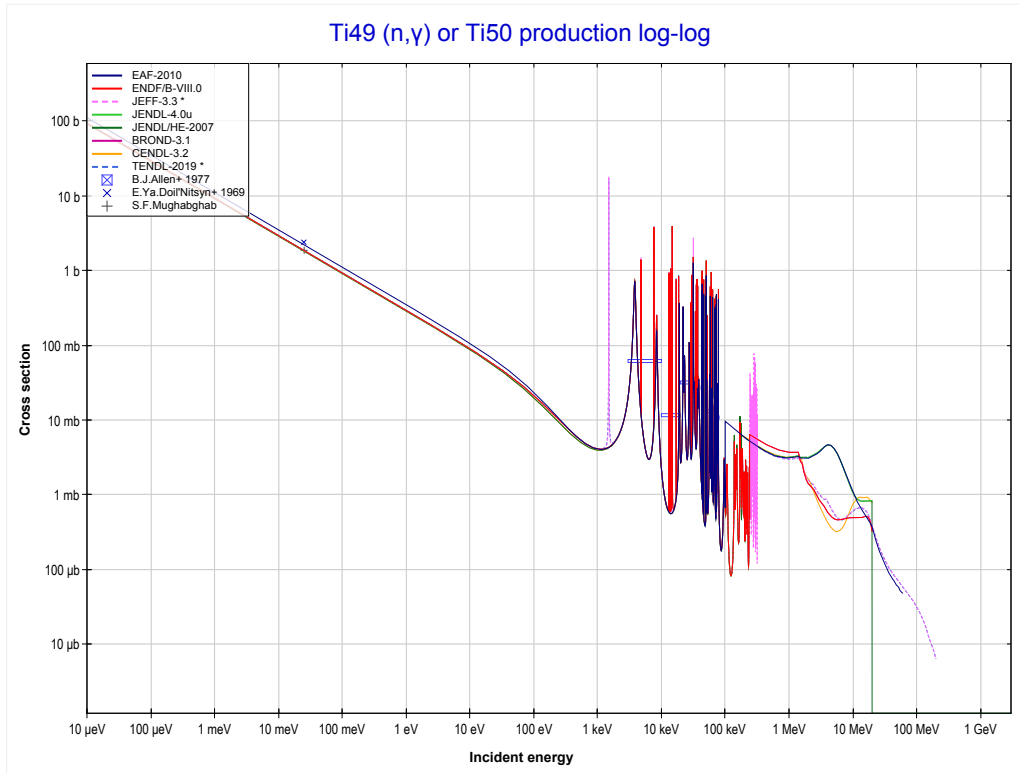
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.480948 b | 0.391794 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.536073 b | 0.427347 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.480964 b | 0.391794 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.480988 b | 0.391794 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.480948 b | 0.391794 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.566425 b | 0.531213 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.536207 b | 0.438533 b |

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|---------------|--|-------------------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Sc48 production) | MT102 (n, γ) >> |



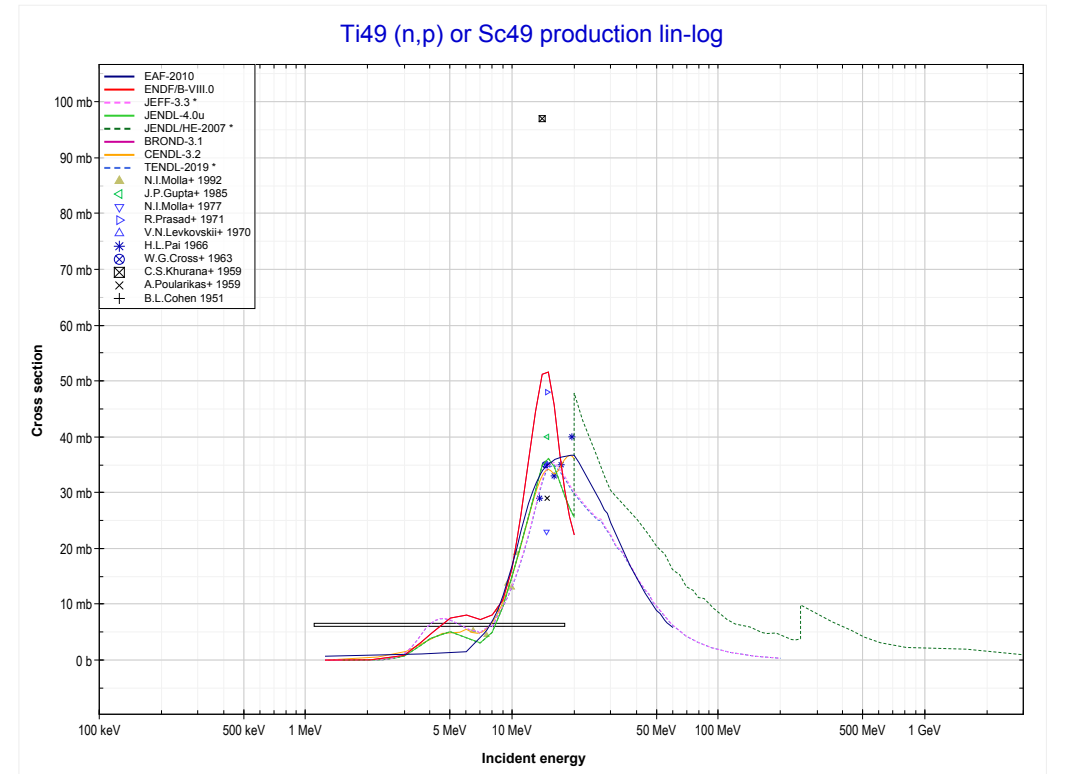
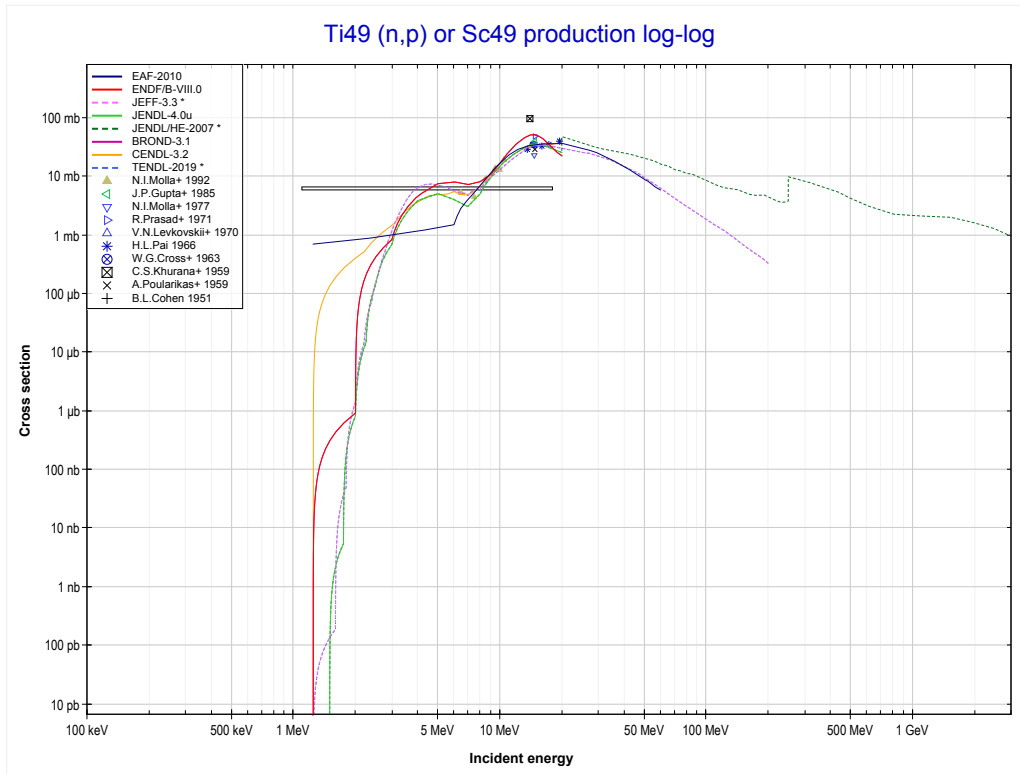
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50973E-6 b | 0.00101057 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.15739E-7 b | 6.89269E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.73514E-6 b | 0.00110405 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73514E-6 b | 0.00110405 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50973E-6 b | 0.00101057 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96651E-6 b | 0.0014048 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.16963E-7 b | 7.08253E-4 b |

| | | |
|-----------------|---|----------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ti50 production) | MT103 (n,p) >> |



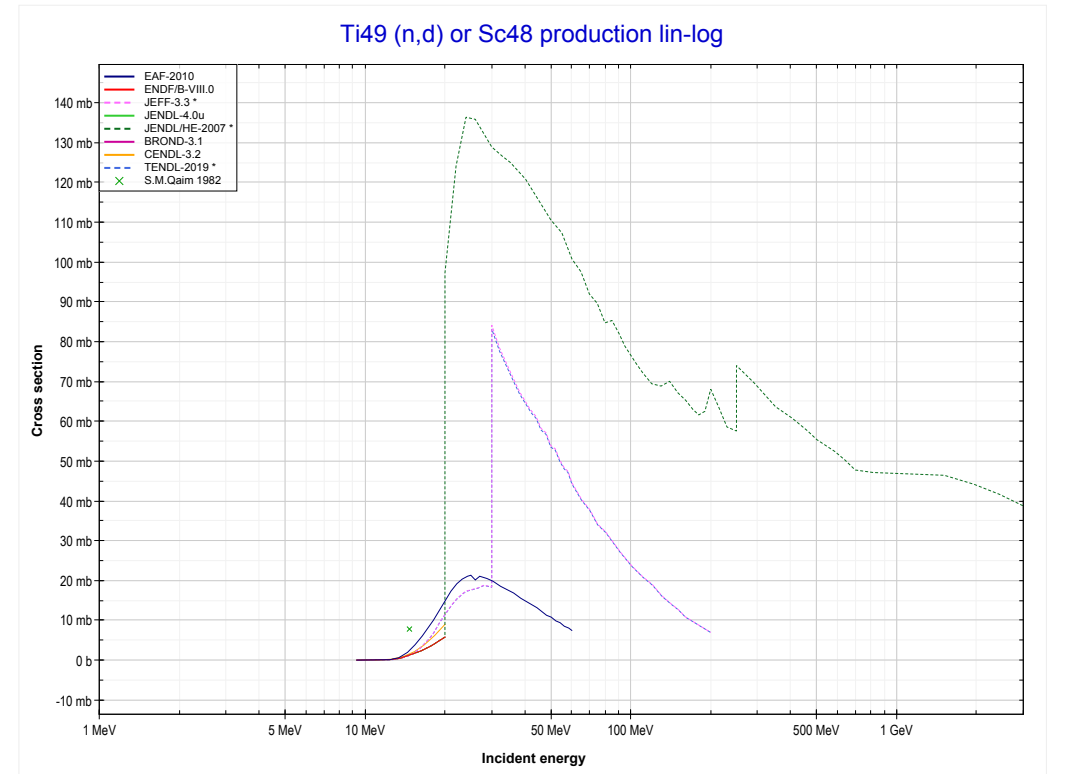
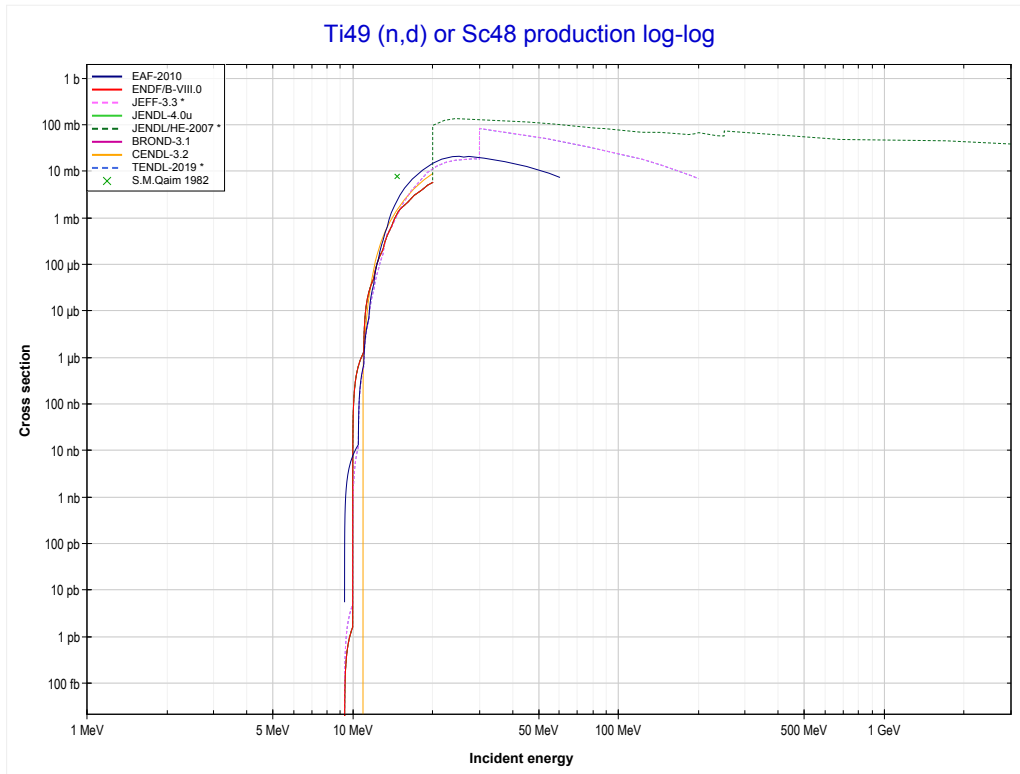
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.2167 b | 2.21519 b | 2.2194 b | 1.00196 | 1.0358 b | 0.00368161 b | 6.2039E-4 b |
| ENDF/B-VIII.0 | 1.86291 b | 1.86291 b | 1.8635 b | 1.0003 | 0.916779 b | 0.00252987 b | 4.98336E-4 b |
| JEFF-3.3 | 1.86095 b | 1.86095 b | 1.8615 b | 1.0003 | 0.953915 b | 0.00220426 b | 6.8022E-4 b |
| JENDL-4.0u | 1.86291 b | 1.86291 b | 1.8635 b | 1.0003 | 0.916779 b | 0.00355696 b | 8.17046E-4 b |
| JENDL/HE-2007 | 1.82972 b | 1.82972 b | 1.8297 b | 0.99999 | 0.876373 b | 0.00359454 b | 8.17046E-4 b |
| BROND-3.1 | 1.86291 b | 1.86291 b | 1.8635 b | 1.0003 | 0.916779 b | 0.00252987 b | 4.98336E-4 b |
| CENDL-3.2 | 1.82972 b | 1.82972 b | 1.8297 b | 0.99999 | 0.876373 b | 0.00231226 b | 9.1603E-4 b |
| TENDL-2019 | 1.87582 b | 1.87582 b | 1.8758 b | 1 | 0.959124 b | 0.0022361 b | 6.71906E-4 b |

| | | |
|-------------------------|---|----------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sc49 production) | MT104 (n,d) >> |



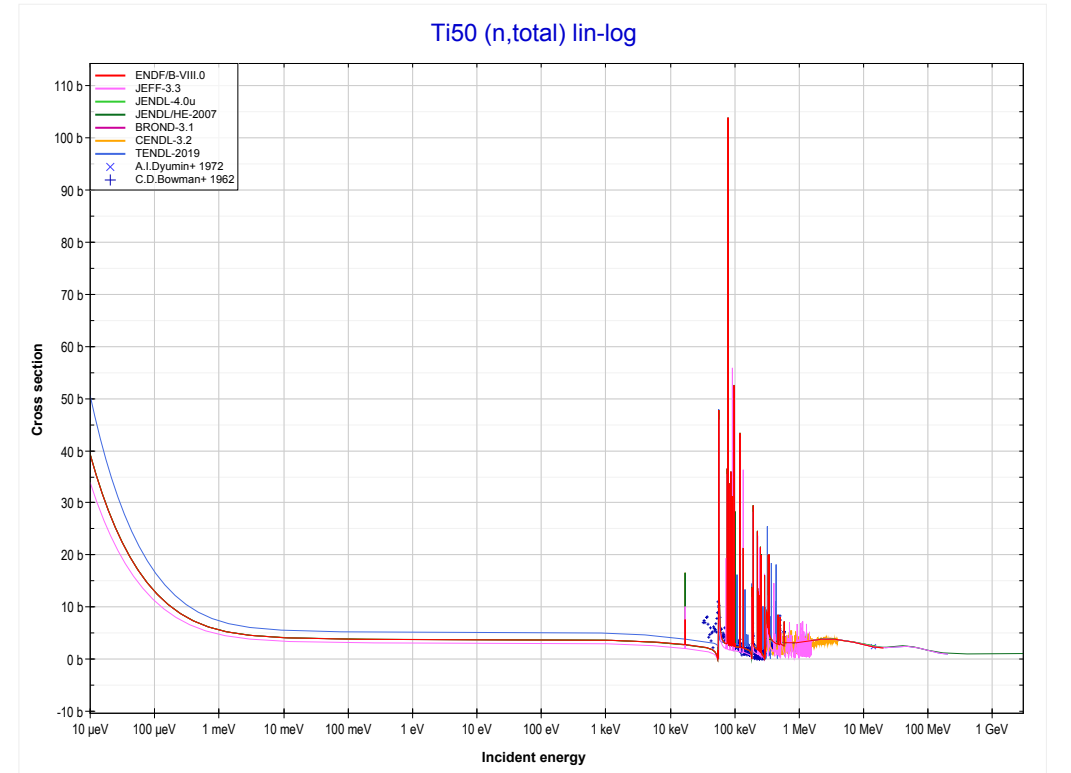
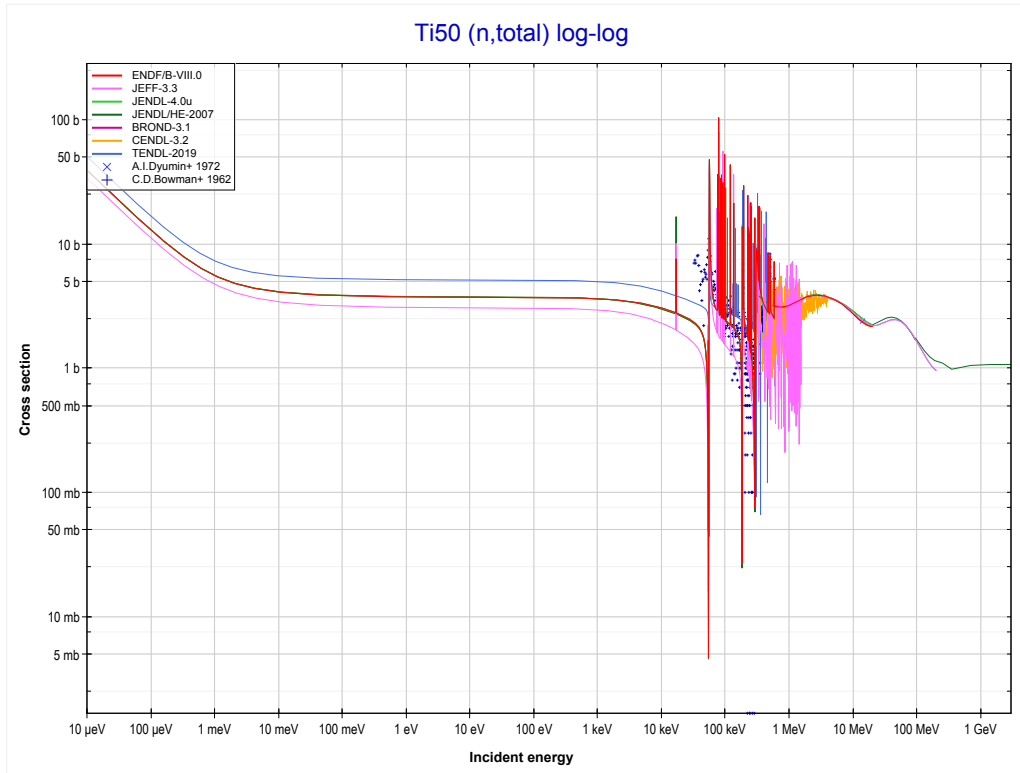
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47092E-4 b | 0.0339 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00117516 b | 0.0512038 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120784 b | 0.032237 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.09634E-4 b | 0.0349304 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.09634E-4 b | 0.0349304 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00117516 b | 0.0512038 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104887 b | 0.033042 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120026 b | 0.0318229 b |

| | | |
|----------------|---|---------------------------|
| << 22-Ti-48 | 22-Ti-49 | 22-Ti-50 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sc48 production) | 22-Ti-50 MT1 (n,total) >> |



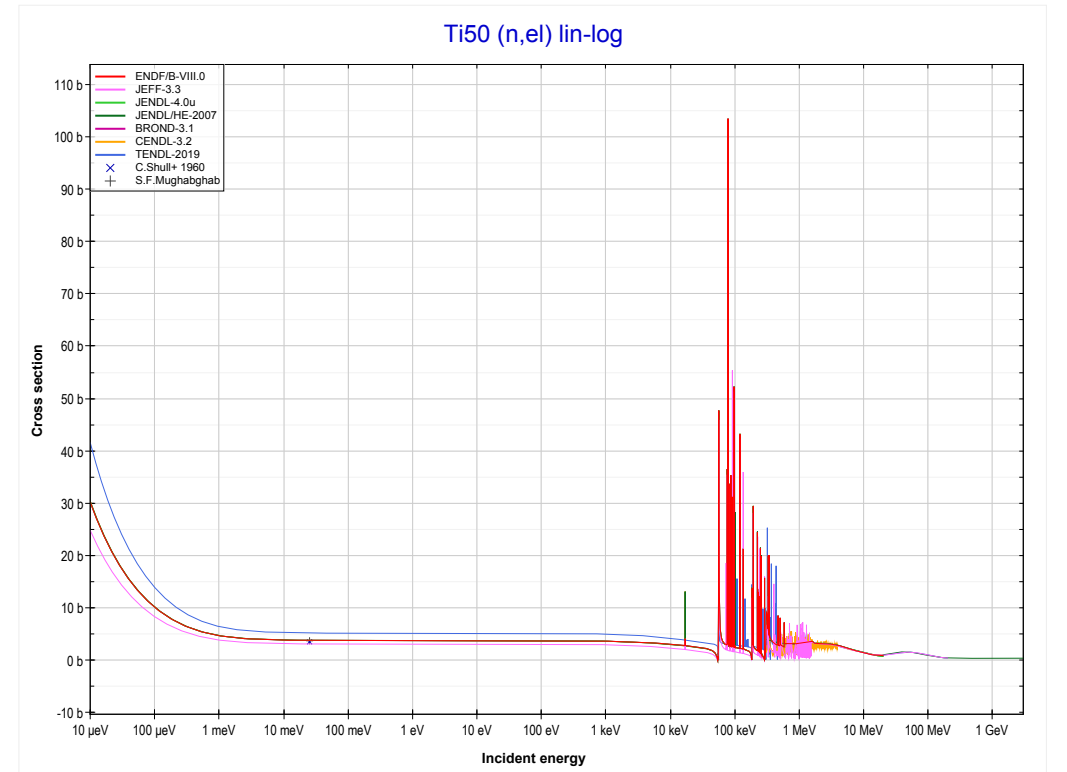
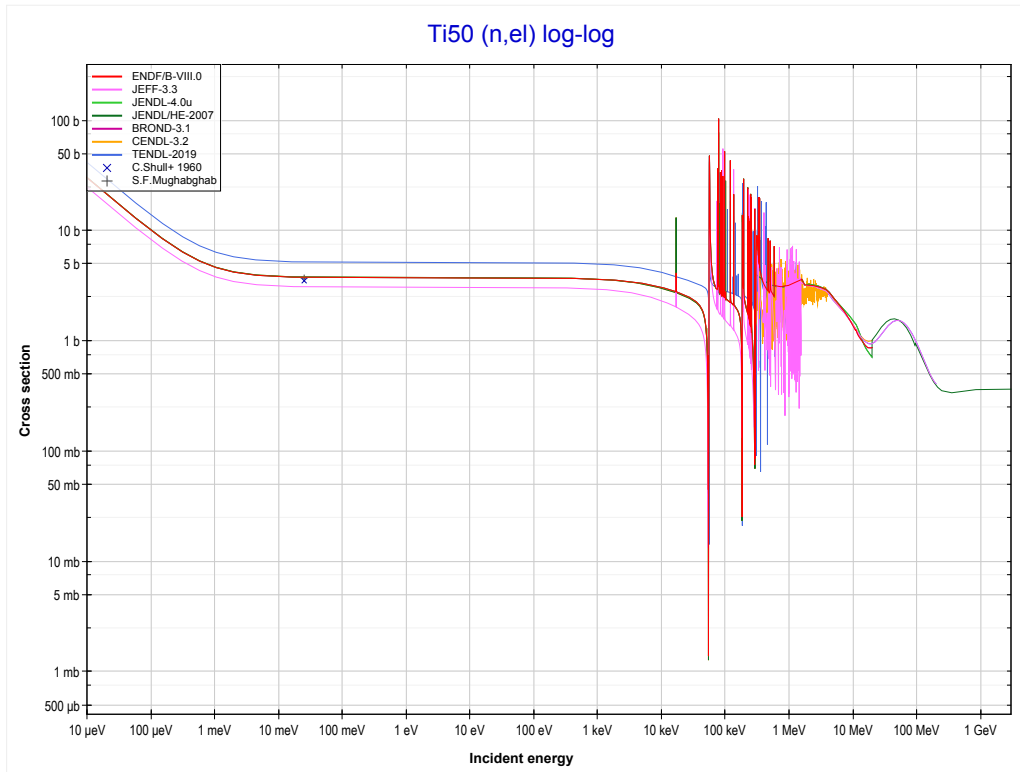
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.72212E-7 b | 0.00133161 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89985E-7 b | 6.49687E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28201E-7 b | 6.29616E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.89986E-7 b | 6.49687E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89985E-7 b | 6.49687E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89985E-7 b | 6.49687E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.04483E-7 b | 9.5261E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26045E-7 b | 6.24613E-4 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 22-Ti-49 | 22-Ti-50 | 23-V-Nat >> |
| << 22-Ti-49 MT104 (n,d) | MT1 (n,total) | MT2 (n,elastic) >> |



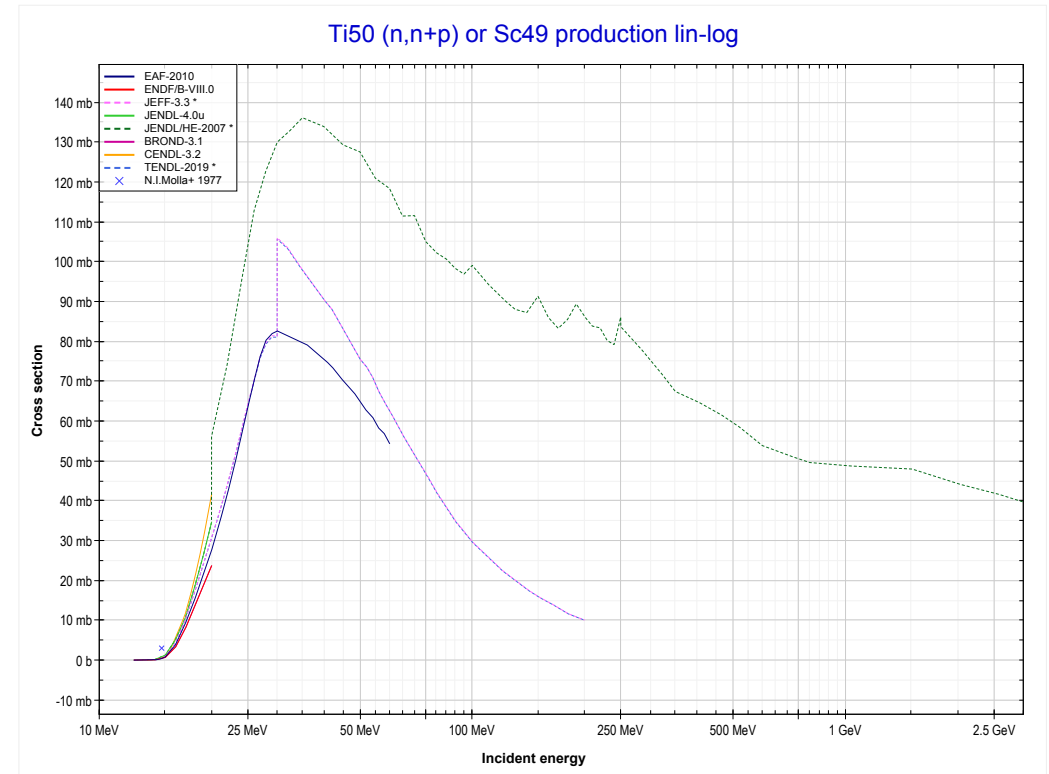
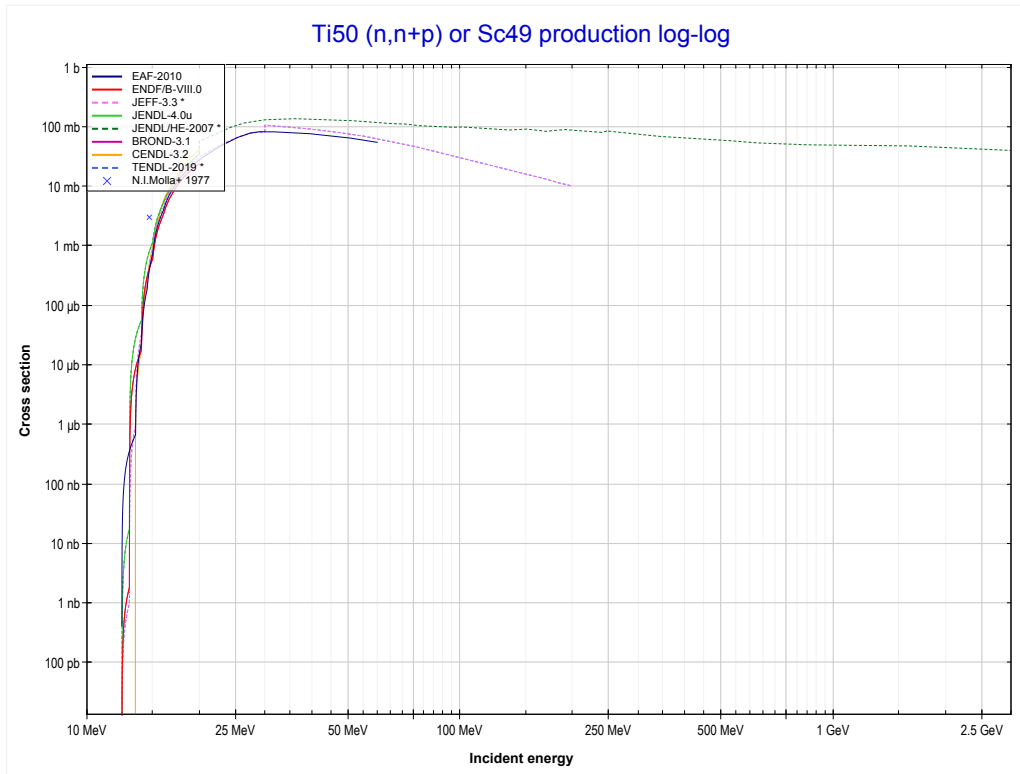
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.93528 b | 3.93528 b | 4.4173 b | 1.12249 | 43.6142 b | 3.48089 b | 2.35139 b |
| JEFF-3.3 | 3.26508 b | 3.26508 b | 3.6609 b | 1.12124 | 34.7724 b | 2.90943 b | 2.409 b |
| JENDL-4.0u | 3.93528 b | 3.93528 b | 4.4173 b | 1.12249 | 43.6142 b | 3.48885 b | 2.50915 b |
| JENDL/HE-2007 | 3.95821 b | 3.95821 b | 4.4435 b | 1.12261 | 43.3721 b | 3.46466 b | 2.50915 b |
| BROND-3.1 | 3.93528 b | 3.93528 b | 4.4173 b | 1.12249 | 43.6142 b | 3.48089 b | 2.35139 b |
| CENDL-3.2 | 3.95821 b | 3.95821 b | 4.4435 b | 1.12261 | 43.3721 b | 3.0419 b | 2.33569 b |
| TENDL-2019 | 5.35001 b | 5.35001 b | 6.014 b | 1.12411 | 57.7662 b | 3.02513 b | 2.40885 b |

| | | |
|------------------|------------------------|-----------------|
| << 22-Ti-49 | 22-Ti-50 | 23-V-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



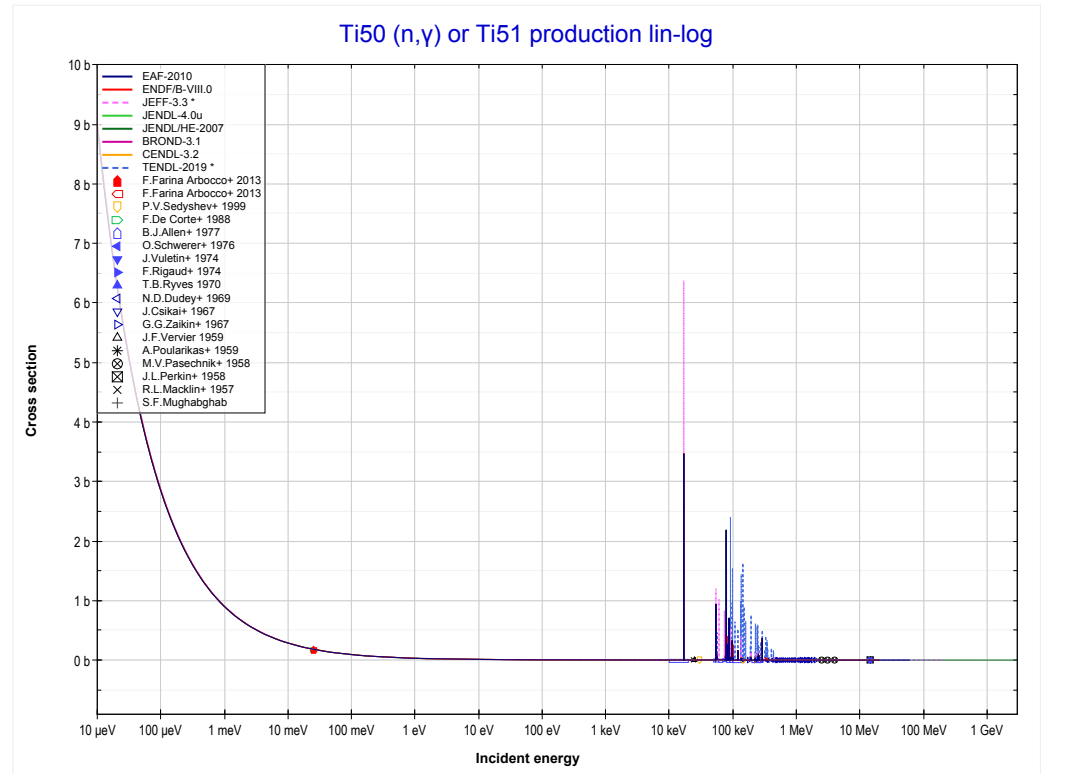
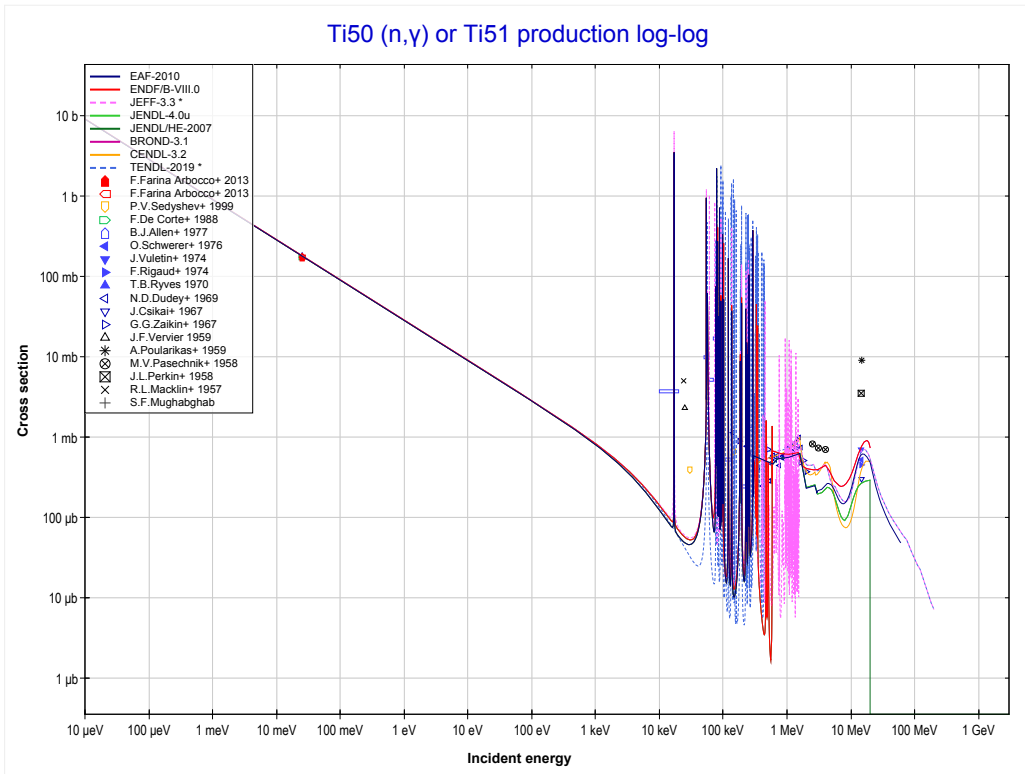
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.75573 b | 3.75573 b | 4.2377 b | 1.12833 | 43.5276 b | 3.09545 b | 1.00218 b |
| JEFF-3.3 | 3.08425 b | 3.08425 b | 3.4801 b | 1.12833 | 34.6831 b | 2.48694 b | 1.04769 b |
| JENDL-4.0u | 3.75573 b | 3.75573 b | 4.2377 b | 1.12833 | 43.5276 b | 3.10341 b | 1.00683 b |
| JENDL/HE-2007 | 3.77987 b | 3.77987 b | 4.2652 b | 1.12839 | 43.2786 b | 3.07984 b | 1.00683 b |
| BROND-3.1 | 3.75573 b | 3.75573 b | 4.2377 b | 1.12833 | 43.5276 b | 3.09545 b | 1.00218 b |
| CENDL-3.2 | 3.77987 b | 3.77987 b | 4.2652 b | 1.12839 | 43.2786 b | 2.66801 b | 1.06482 b |
| TENDL-2019 | 5.17147 b | 5.17147 b | 5.8355 b | 1.12839 | 57.6712 b | 2.60292 b | 1.04754 b |

| | | |
|--------------------|--|-------------------------|
| << 22-Ti-49 | 22-Ti-50 | 24-Cr-50 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Sc49 production) | MT102 (n, γ) >> |



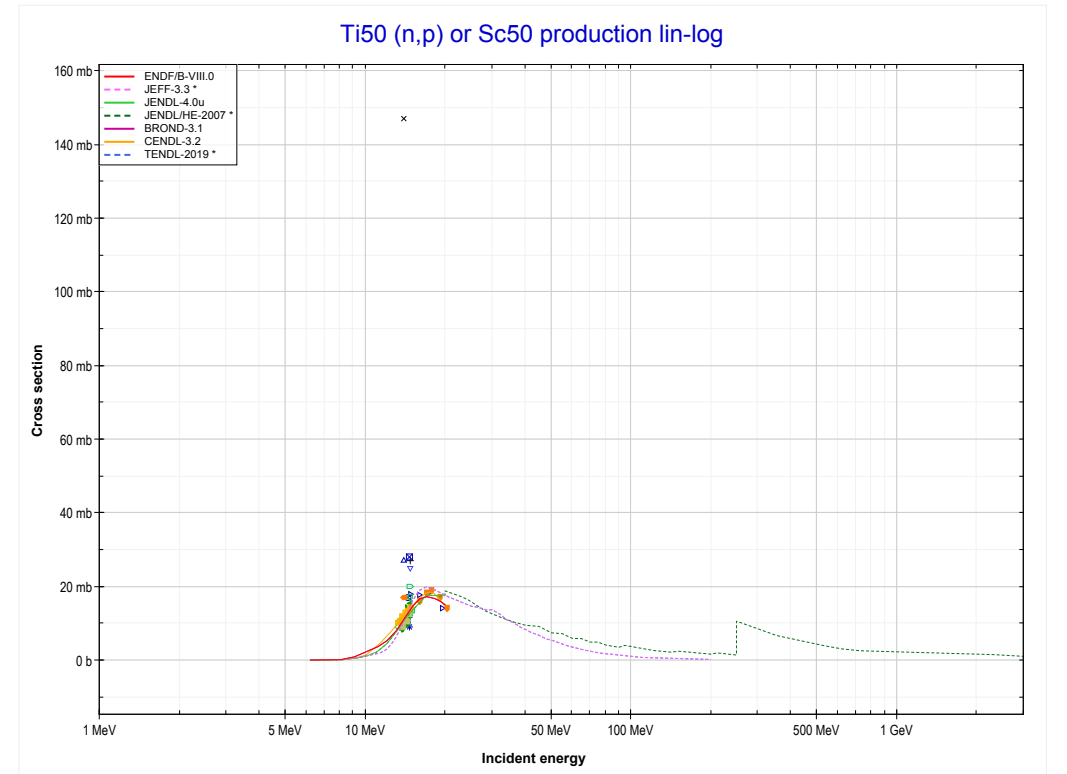
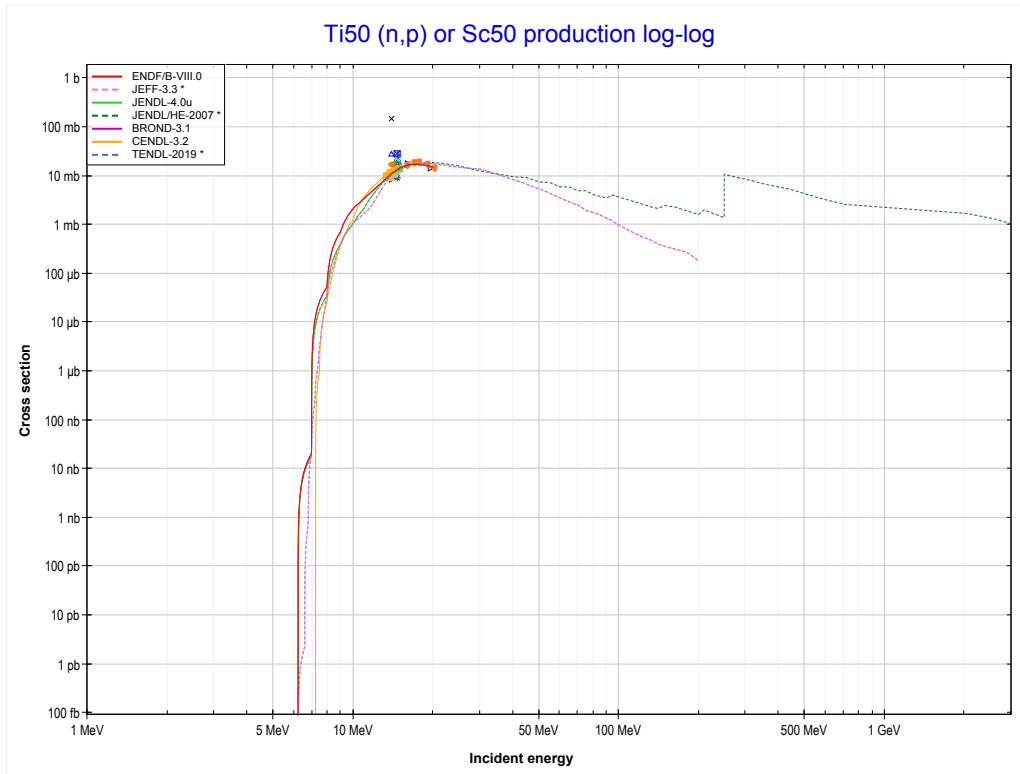
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.11714E-7 b | 1.75101E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.00375E-7 b | 3.23131E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.58496E-7 b | 5.65111E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.58496E-7 b | 5.65111E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.11714E-7 b | 1.75101E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.73934E-7 b | 2.80183E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.9894E-7 b | 3.2143E-5 b |

| | | |
|-----------------|---|----------------|
| << 22-Ti-49 | 22-Ti-50 | 23-V-Nat >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ti51 production) | MT103 (n,p) >> |



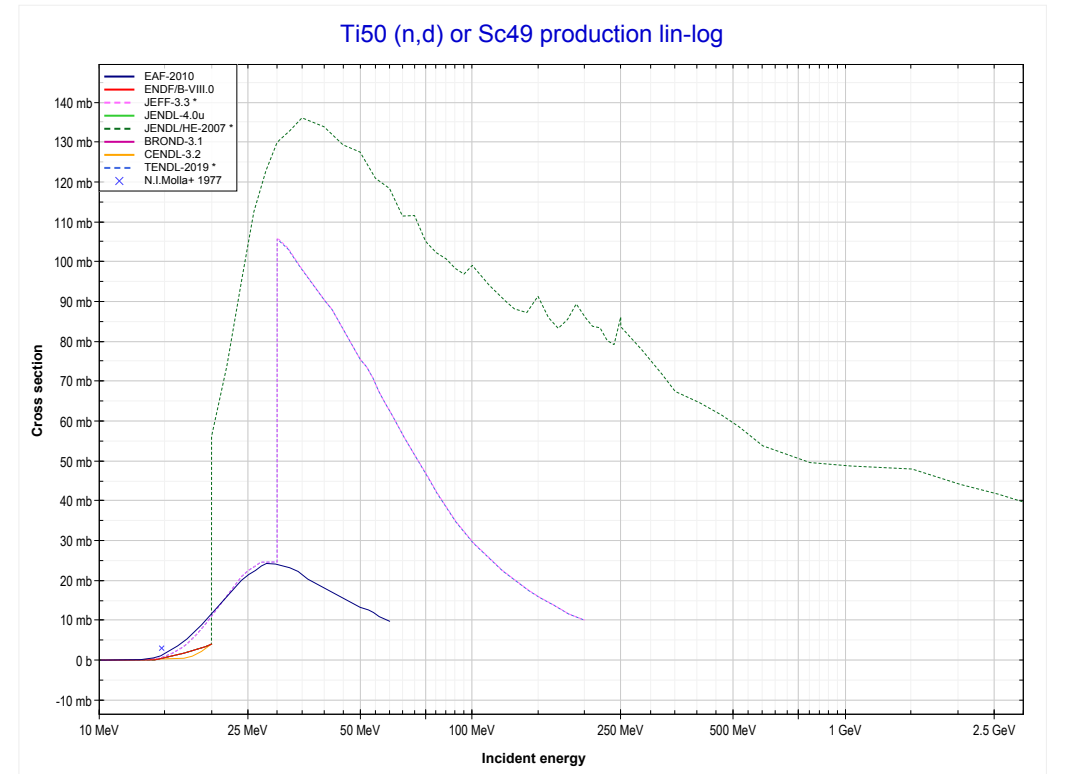
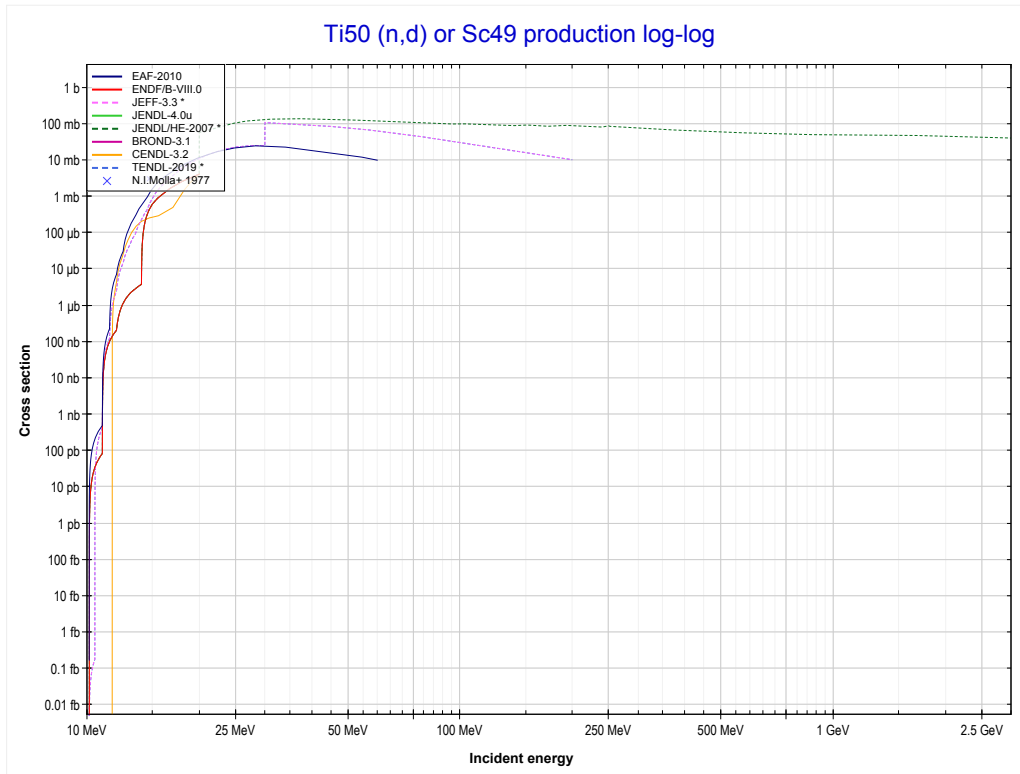
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.17835 b | 0.178217 b | 0.17823 b | 1.00007 | 0.0858682 b | 4.74999E-4 b | 5.7836E-4 b |
| ENDF/B-VIII.0 | 0.179551 b | 0.179551 b | 0.17961 b | 1.00035 | 0.0865419 b | 5.24288E-4 b | 7.06111E-4 b |
| JEFF-3.3 | 0.180824 b | 0.180824 b | 0.18089 b | 1.00035 | 0.0892718 b | 3.99737E-4 b | 5.91506E-4 b |
| JENDL-4.0u | 0.179547 b | 0.179547 b | 0.17961 b | 1.00037 | 0.0865419 b | 4.33192E-4 b | 2.60196E-4 b |
| JENDL/HE-2007 | 0.178345 b | 0.178345 b | 0.17835 b | 1.00005 | 0.0858715 b | 4.70553E-4 b | 2.60196E-4 b |
| BROND-3.1 | 0.179551 b | 0.179551 b | 0.17961 b | 1.00035 | 0.0865419 b | 5.24288E-4 b | 7.06111E-4 b |
| CENDL-3.2 | 0.178345 b | 0.178345 b | 0.17835 b | 1.00005 | 0.0858715 b | 5.90079E-4 b | 3.45822E-4 b |
| TENDL-2019 | 0.178545 b | 0.178545 b | 0.17855 b | 1.00005 | 0.0835087 b | 7.70626E-4 b | 5.91023E-4 b |

| | | |
|-------------------------|---|----------------|
| << 22-Ti-49 | 22-Ti-50 | 23-V-50 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sc50 production) | MT104 (n,d) >> |



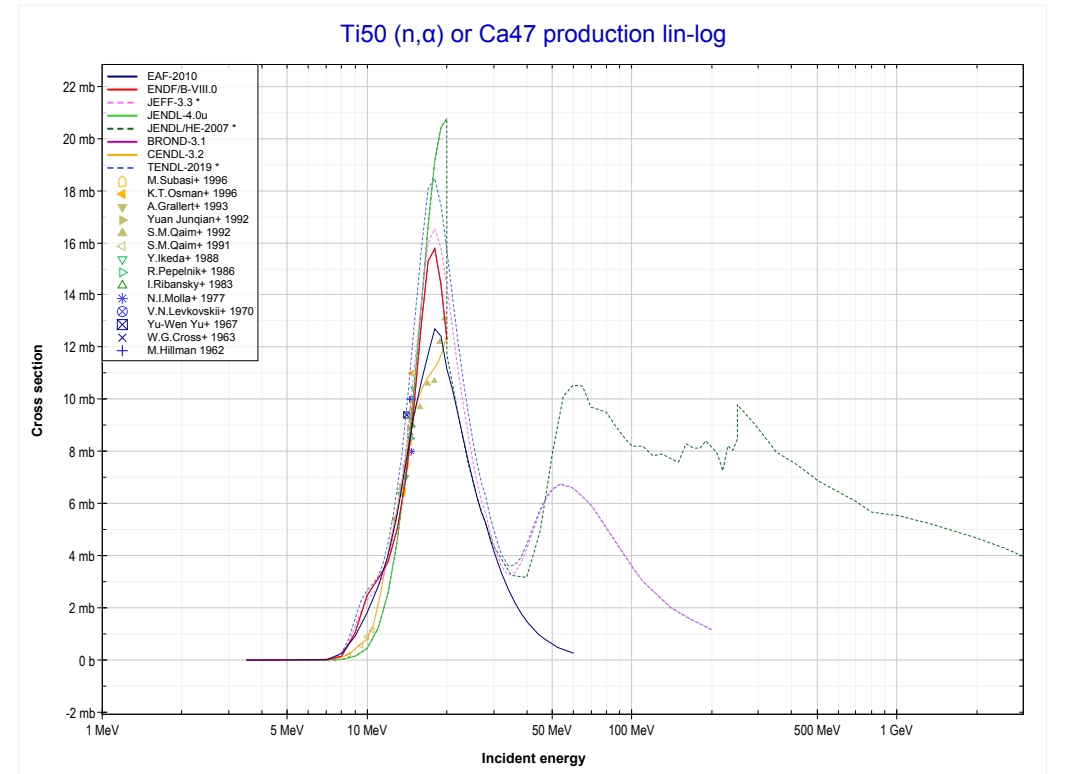
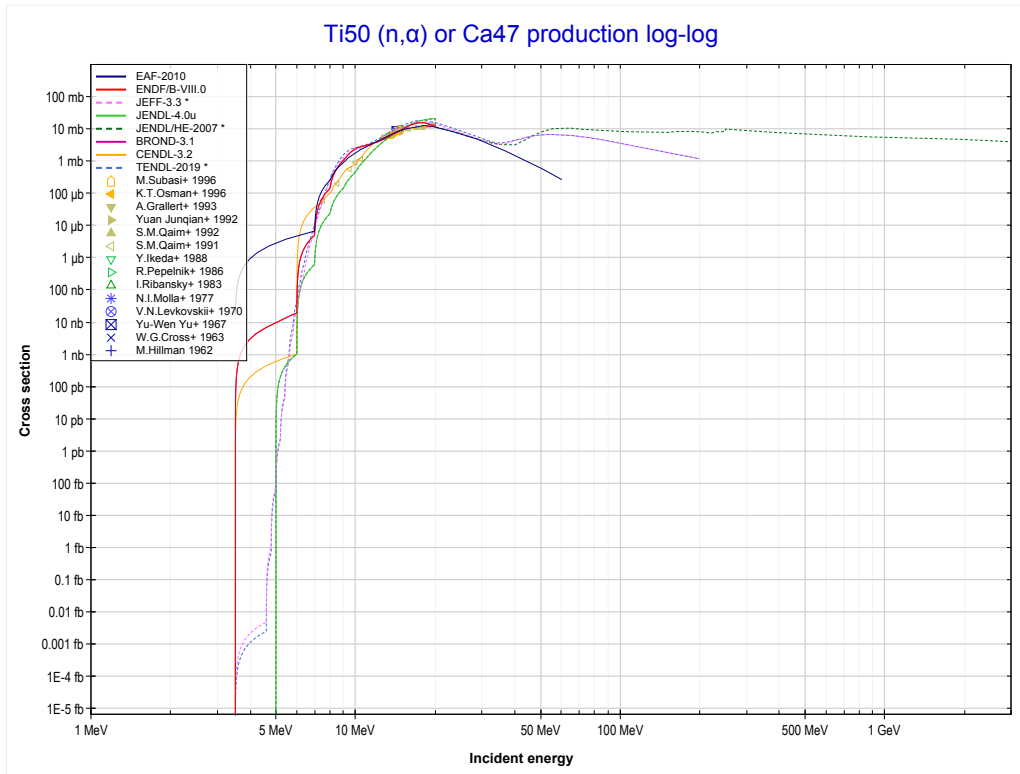
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31183E-5 b | 0.0109655 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.15446E-6 b | 0.0106468 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.24535E-6 b | 0.0108751 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.2453E-6 b | 0.0108751 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31183E-5 b | 0.0109655 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14301E-5 b | 0.0119124 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.13844E-6 b | 0.0106255 b |

| | | |
|----------------|---|-------------------------|
| << 22-Ti-49 | 22-Ti-50 | 23-V-51 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sc49 production) | MT107 (n, α) >> |



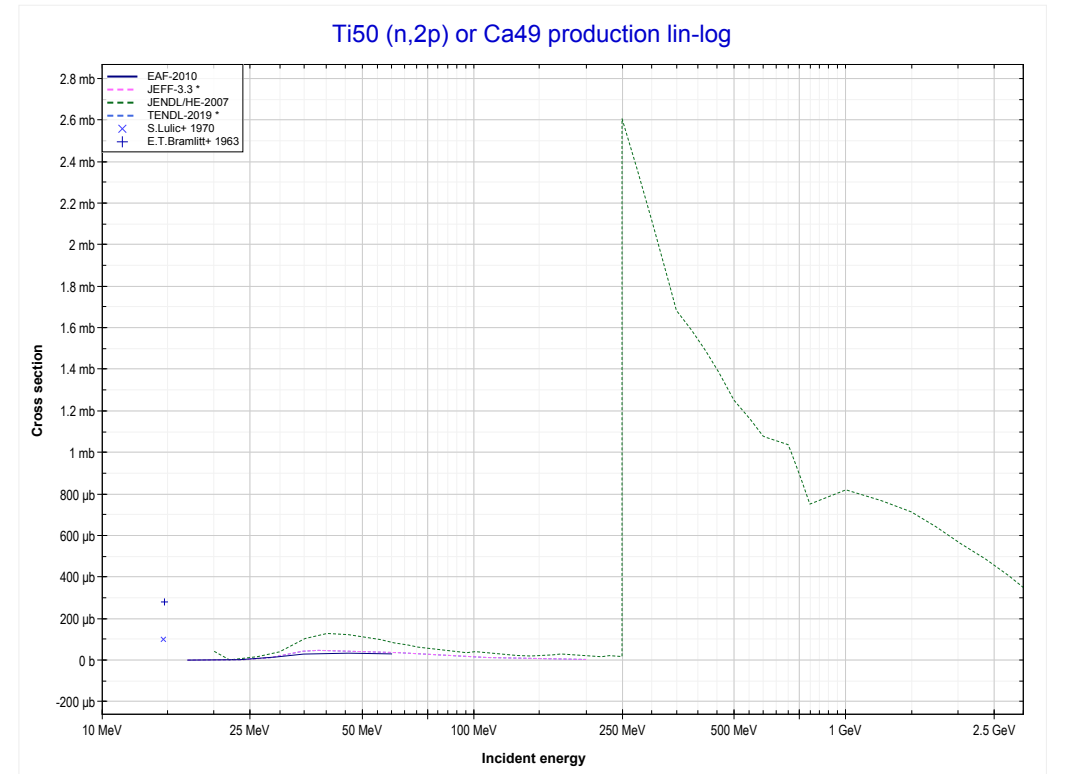
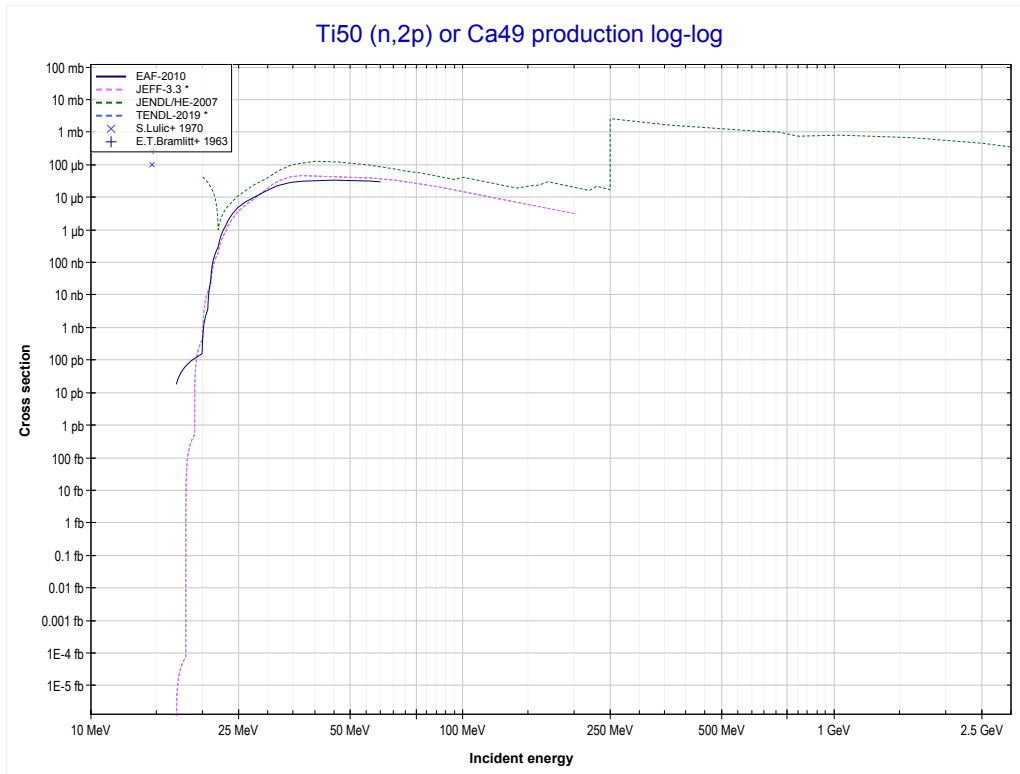
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20221E-7 b | 5.66179E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.59368E-8 b | 3.72217E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01551E-7 b | 2.25848E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.59369E-8 b | 3.72217E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.59368E-8 b | 3.72217E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.59368E-8 b | 3.72217E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.92067E-8 b | 2.02587E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01444E-7 b | 2.25605E-4 b |

| | | |
|----------------|---|-----------------|
| << 22-Ti-48 | 22-Ti-50 | 23-V-50 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ca47 production) | MT111 (n,2p) >> |



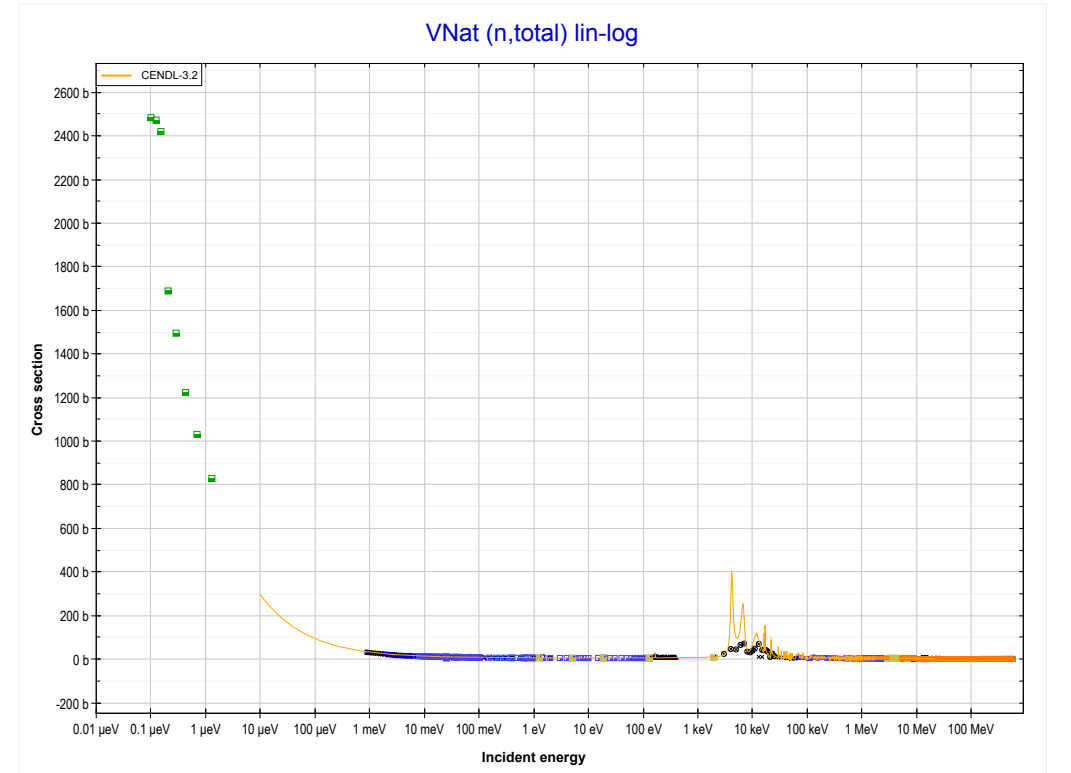
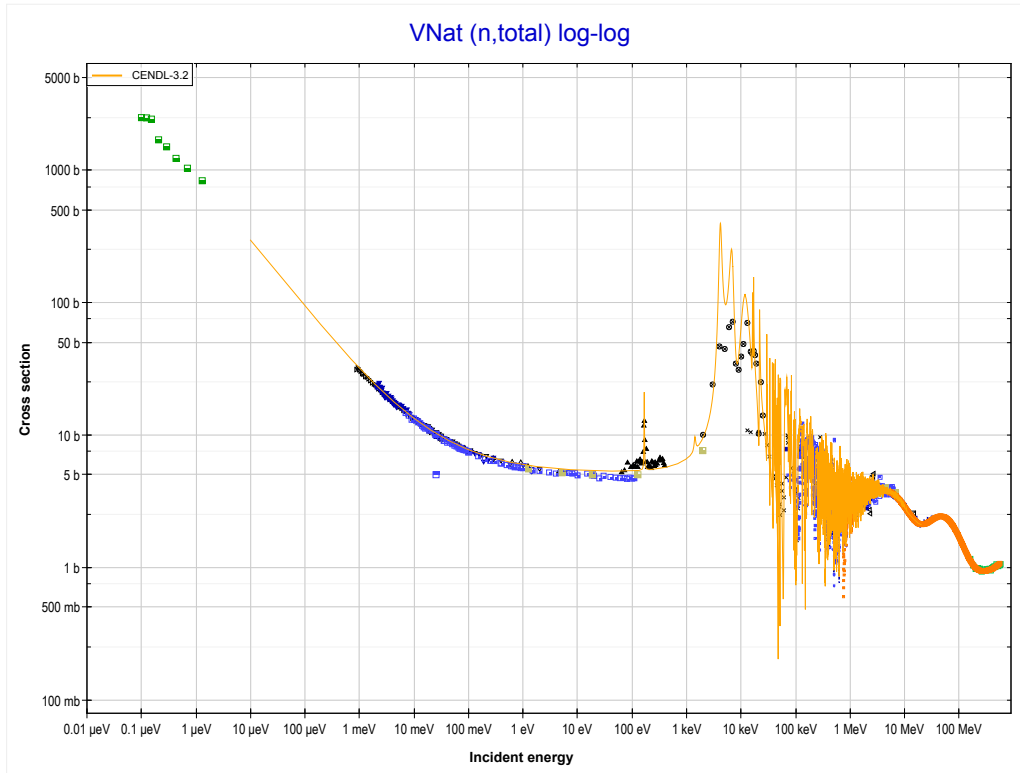
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29624E-5 b | 0.00756595 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34895E-5 b | 0.00696313 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.40446E-5 b | 0.0080541 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.52334E-6 b | 0.00723196 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.52331E-6 b | 0.00723196 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34895E-5 b | 0.00696313 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.69626E-6 b | 0.00774696 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65131E-5 b | 0.00932645 b |

| | | |
|-------------------------|--|---------------------------|
| << 21-Sc-45 | 22-Ti-50 | 23-V-51 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Ca49 production) | 23-V-Nat MT1 (n,total) >> |



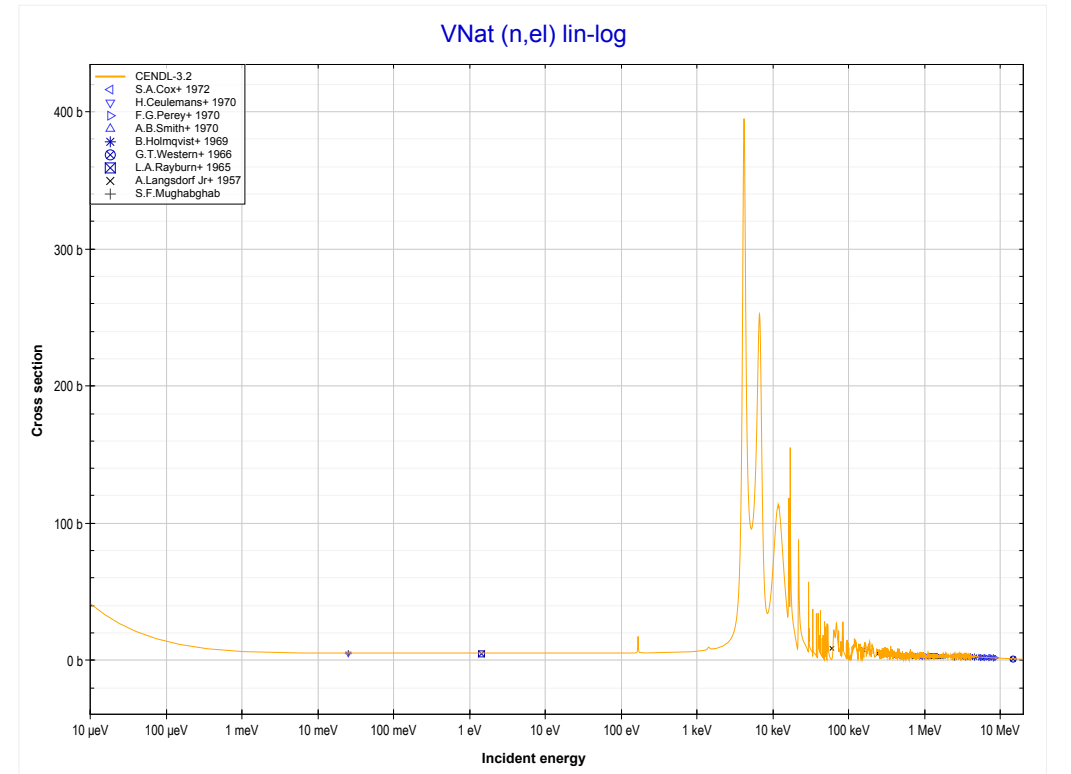
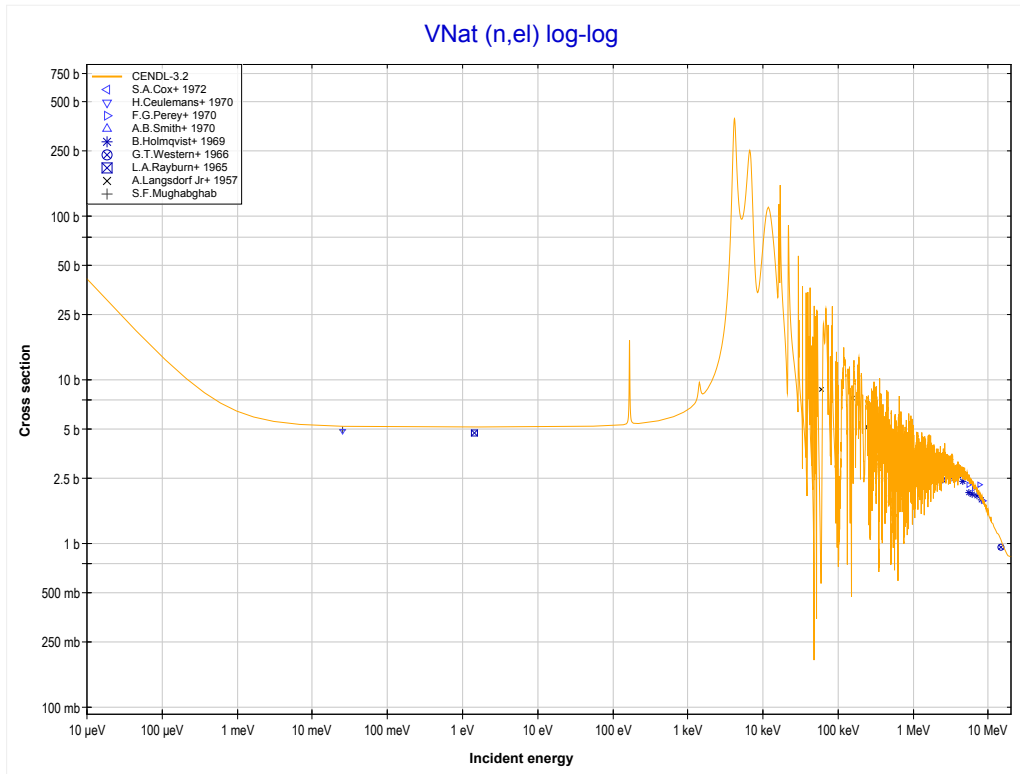
| Reaction | Q-Value |
|----------------|---------------|
| Ti50(n,2p)Ca49 | -16638.51 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 22-Ti-50 | 23-V-Nat | 23-V-50 >> |
| << 22-Ti-50 MT111 (n,2p) | MT1 (n,total) | MT2 (n,elastic) >> |



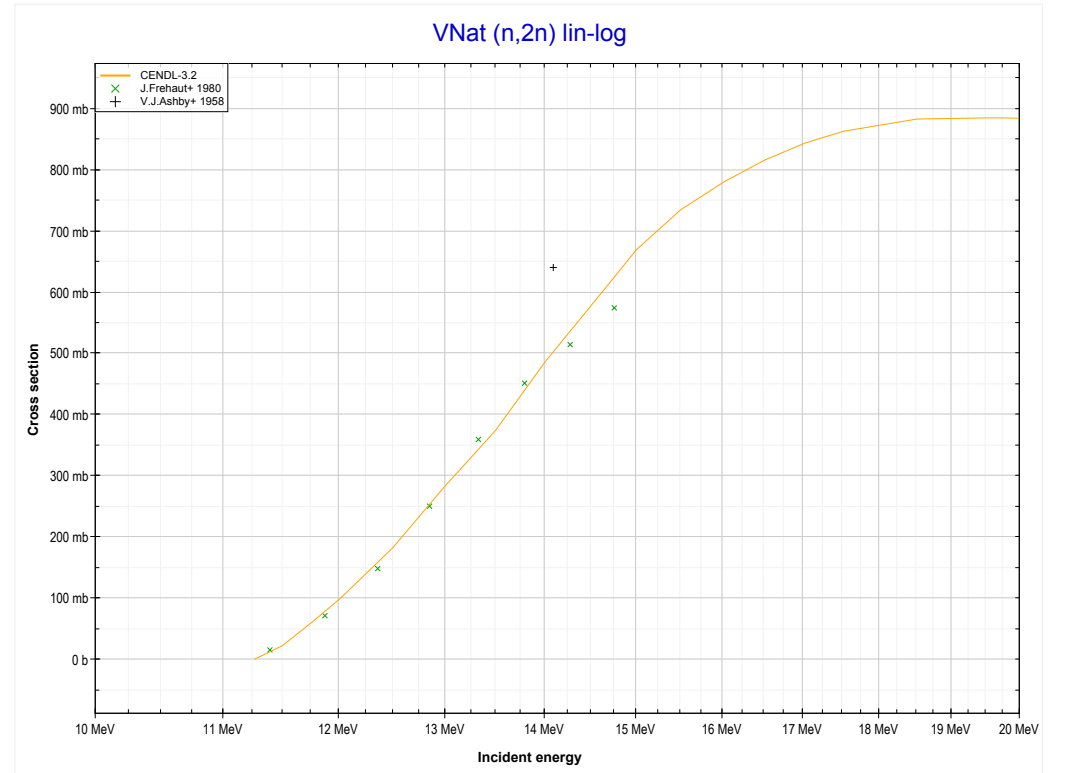
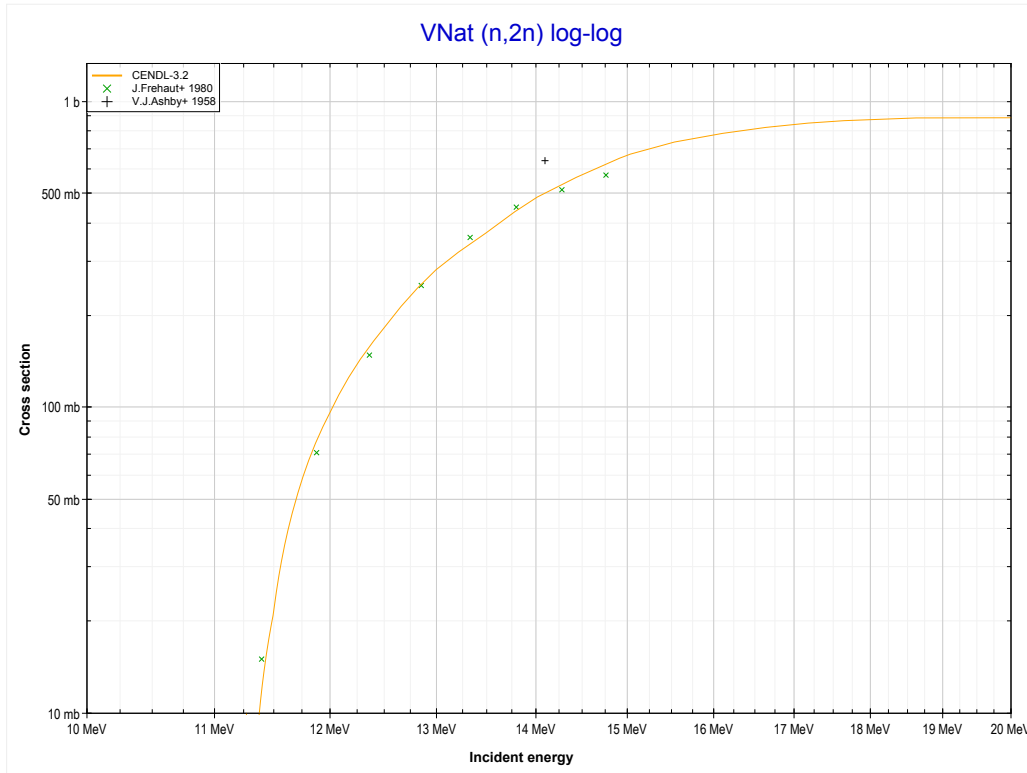
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 10.2556 b | 10.2556 b | 10.923 b | 1.06507 | 264.869 b | 3.96916 b | 2.35496 b |

| | | |
|------------------|------------------------|----------------|
| << 22-Ti-50 | 23-V-Nat | 23-V-50 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



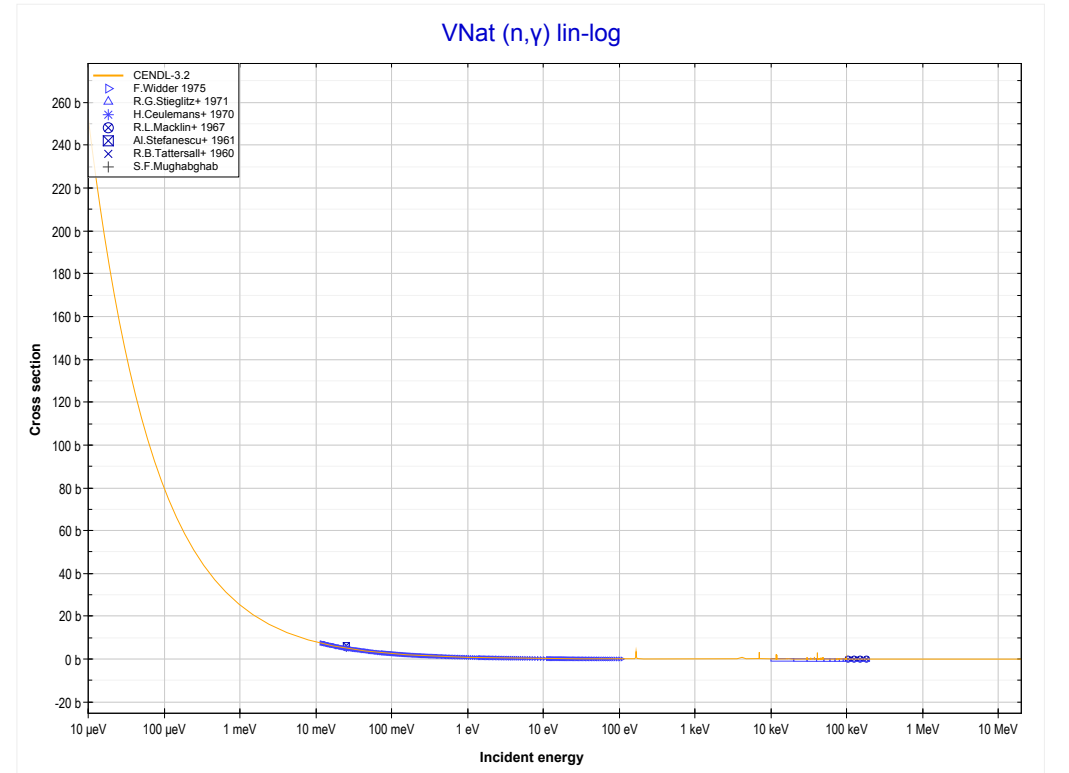
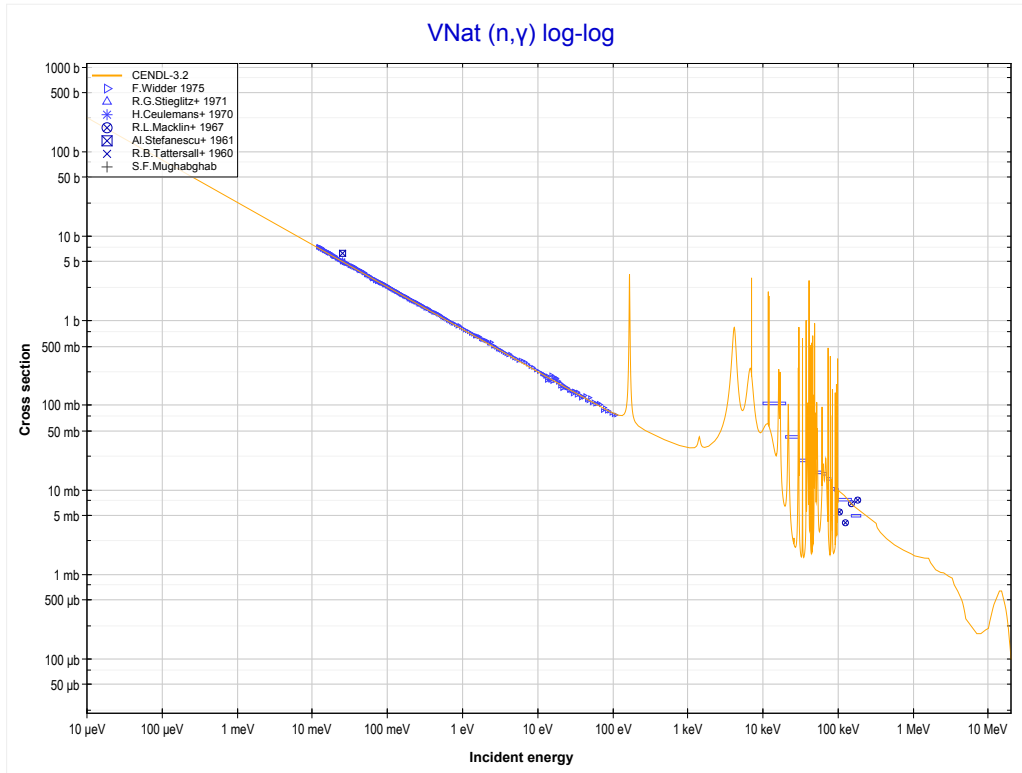
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 5.20663 b | 5.20663 b | 5.8752 b | 1.12841 | 262.224 b | 3.33165 b | 1.1148 b |

| | | |
|--------------------|--------------------|-------------------------|
| << 22-Ti-46 | 23-V-Nat | 23-V-50 >> |
| << MT2 (n,elastic) | MT16 (n,2n) | MT102 (n, γ) >> |



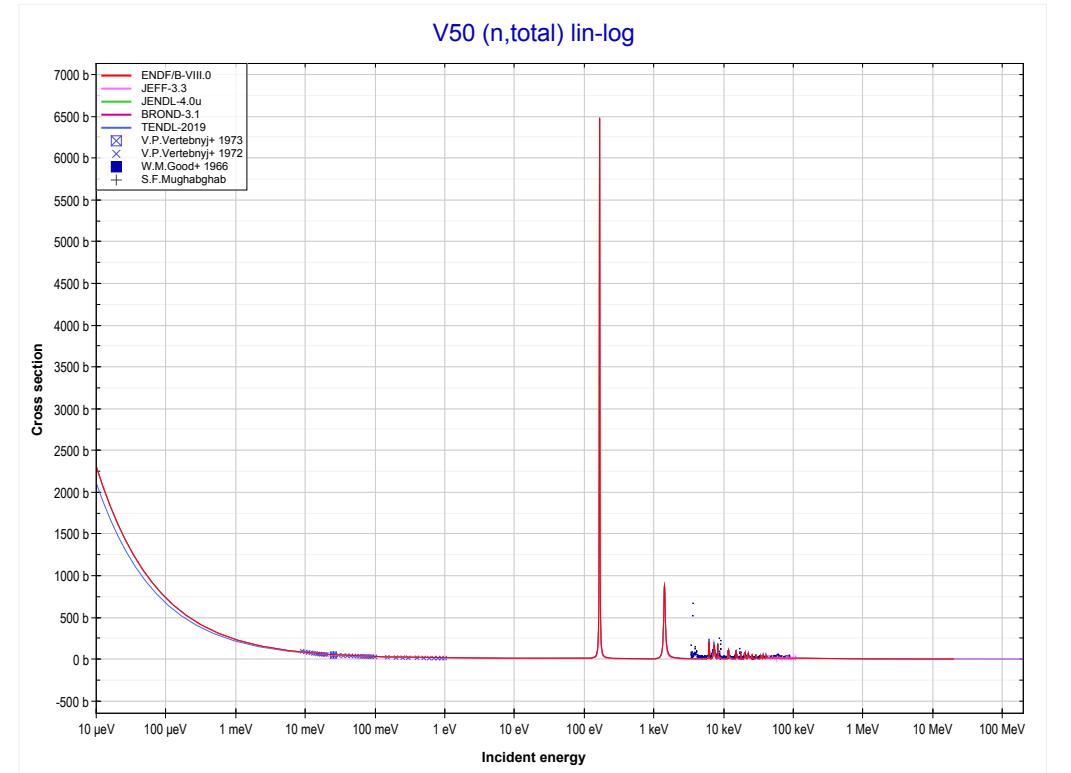
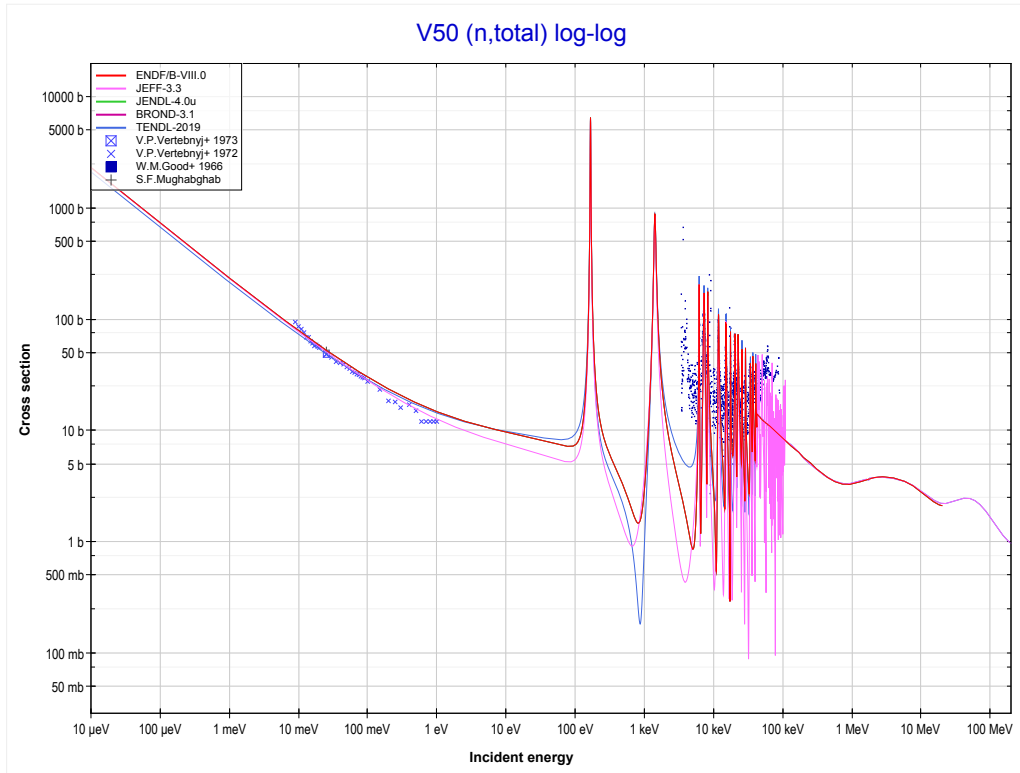
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7925E-4 b | 0.4831 b |

| | | |
|----------------|--------------------------------------|--------------------------|
| << 22-Ti-50 | 23-V-Nat | 23-V-50 >> |
| << MT16 (n,2n) | MT102 (n,γ) | 23-V-50 MT1 (n,total) >> |



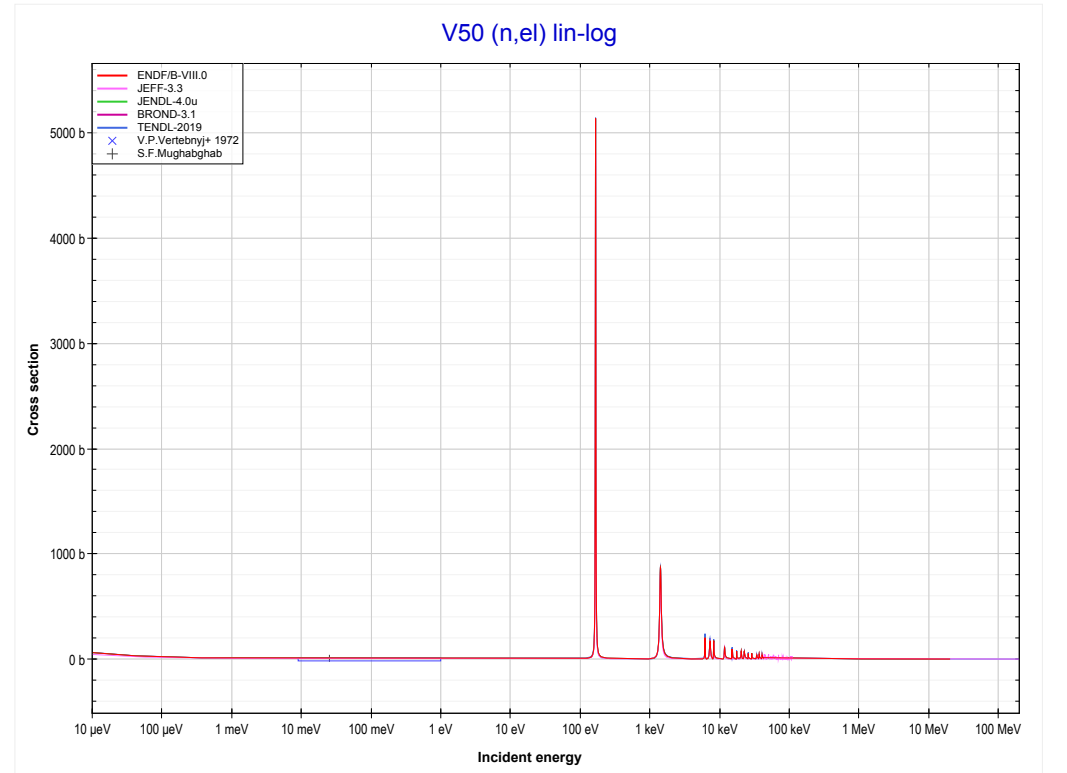
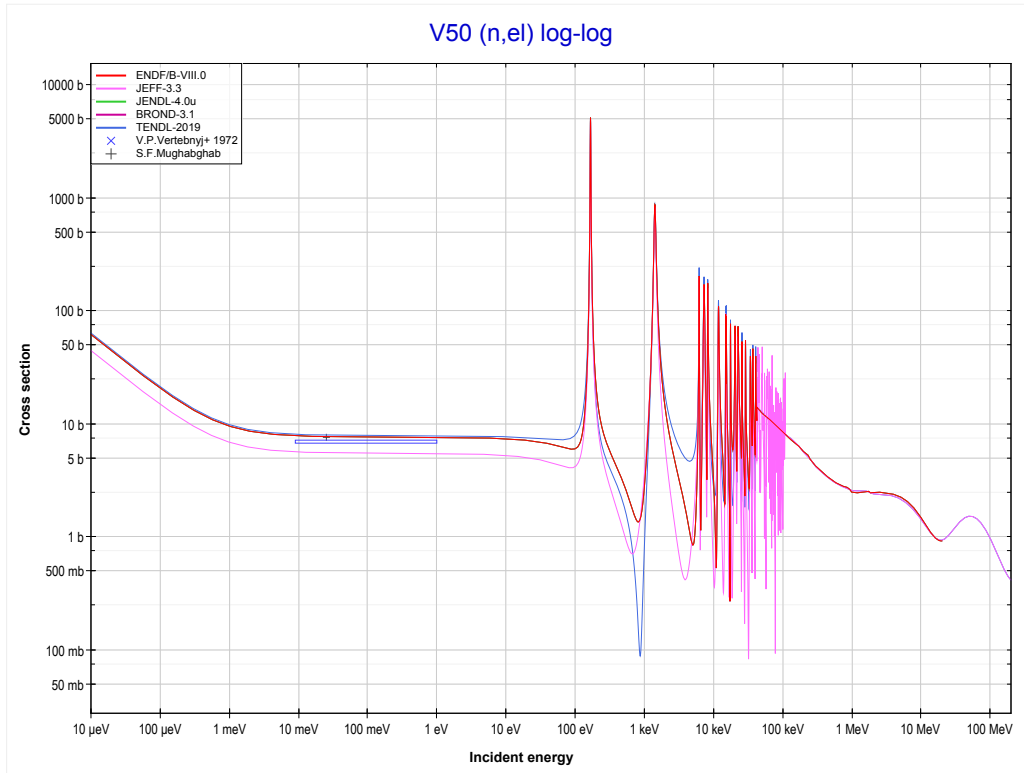
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 5.04478 b | 5.04478 b | 5.0414 b | 0.99933 | 2.64047 b | 0.0019008 b | 6.4E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 23-V-Nat | 23-V-50 | 23-V-51 >> |
| << 23-V-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



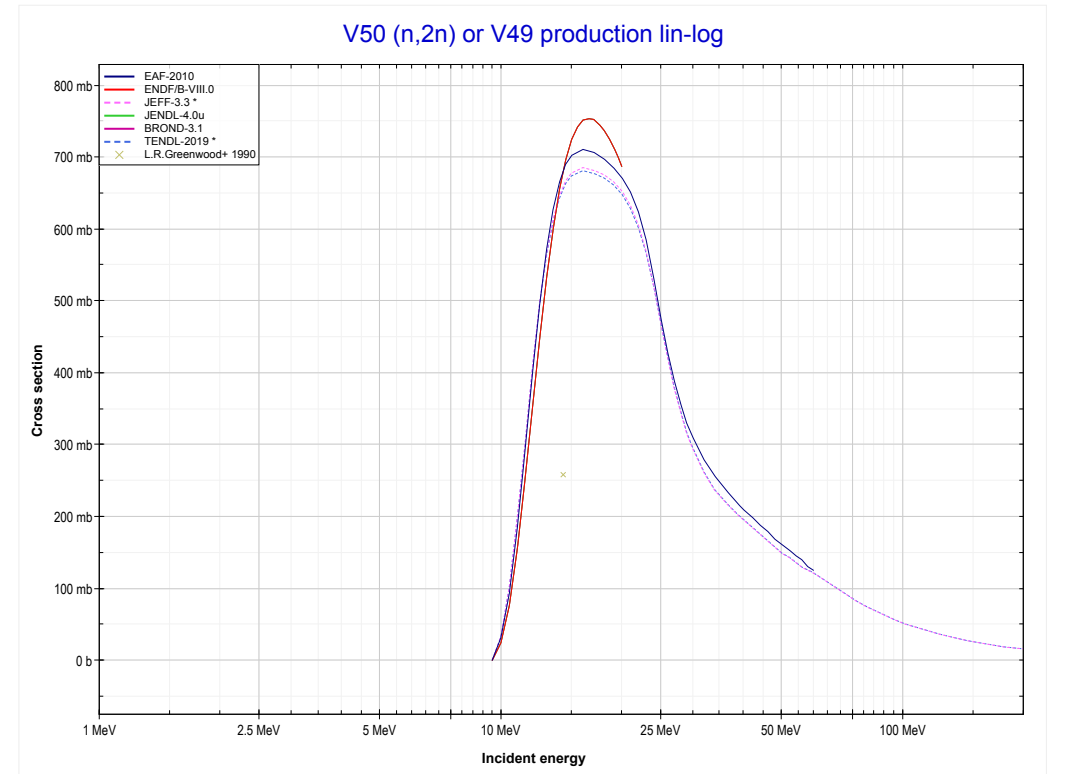
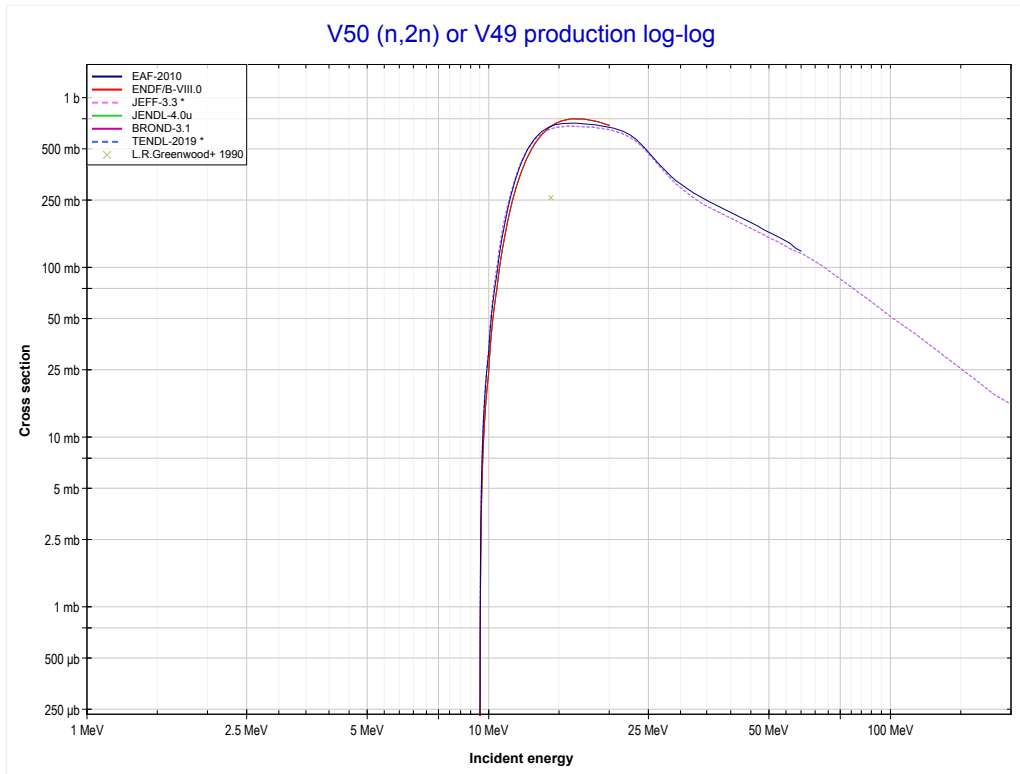
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 52.3861 b | 52.3861 b | 53.389 b | 1.01915 | 393.417 b | 3.84719 b | 2.36499 b |
| JEFF-3.3 | 50.3911 b | 50.3911 b | 51.116 b | 1.01438 | 331.156 b | 3.80344 b | 2.44597 b |
| JENDL-4.0u | 52.3861 b | 52.3861 b | 53.389 b | 1.01915 | 393.417 b | 3.84719 b | 2.36499 b |
| BROND-3.1 | 52.3861 b | 52.3861 b | 53.389 b | 1.01915 | 393.41 b | 3.84718 b | 2.36499 b |
| TENDL-2019 | 48.6287 b | 48.6287 b | 49.649 b | 1.02098 | 395.349 b | 3.85256 b | 2.44599 b |

| | | |
|------------------|------------------------|----------------|
| << 23-V-Nat | 23-V-50 | 23-V-51 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



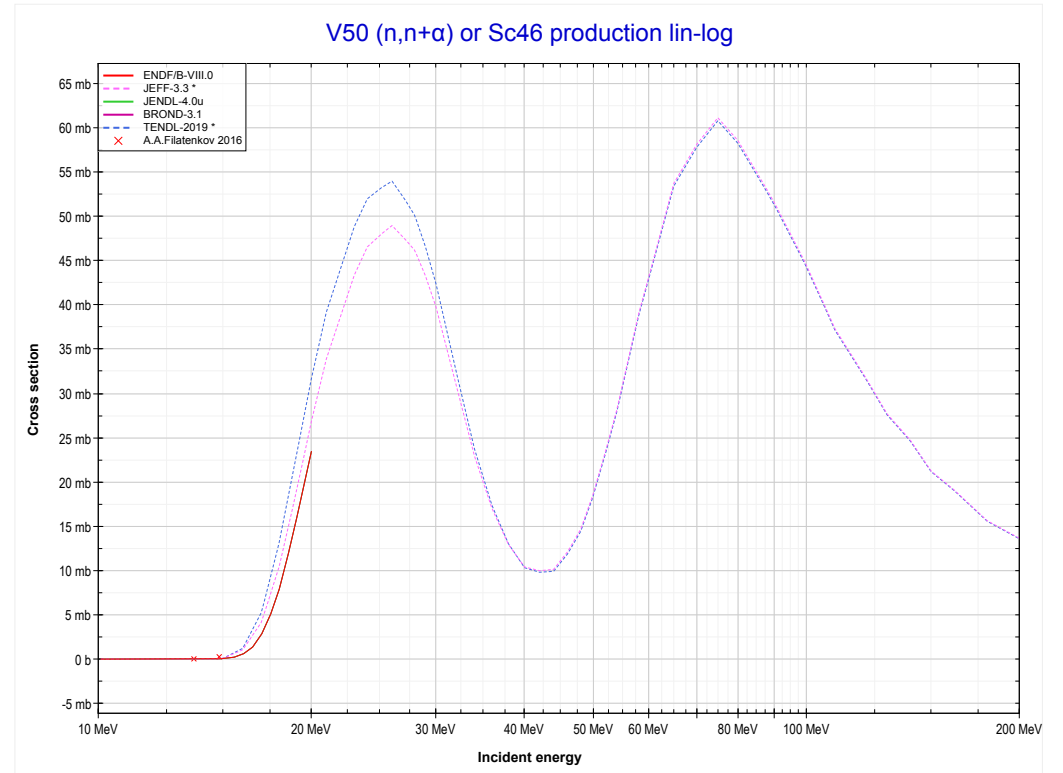
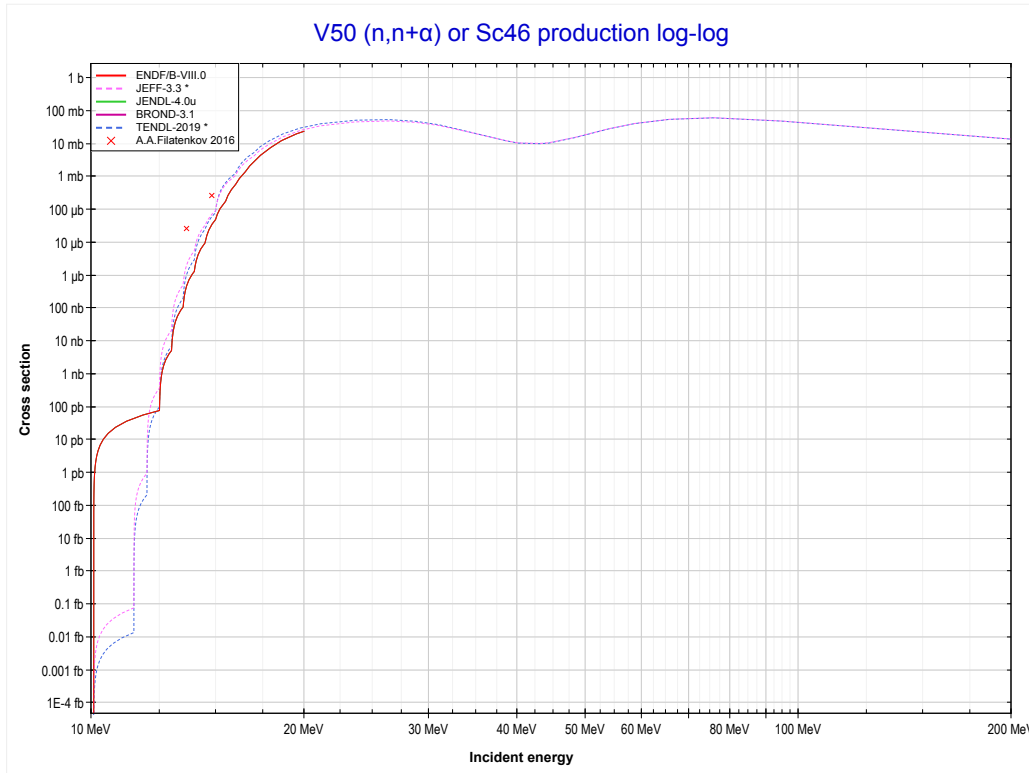
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.69697 b | 7.69697 b | 8.684 b | 1.12824 | 334.064 b | 2.89603 b | 1.07771 b |
| JEFF-3.3 | 5.54326 b | 5.54326 b | 6.254 b | 1.12821 | 270.365 b | 2.81192 b | 1.07041 b |
| JENDL-4.0u | 7.69697 b | 7.69697 b | 8.684 b | 1.12824 | 334.064 b | 2.89603 b | 1.07771 b |
| BROND-3.1 | 7.69697 b | 7.69697 b | 8.684 b | 1.12824 | 334.057 b | 2.89602 b | 1.07771 b |
| TENDL-2019 | 7.92716 b | 7.92716 b | 8.9445 b | 1.12833 | 337.833 b | 2.86182 b | 1.07041 b |

| | | |
|--------------------|--|-----------------|
| << 23-V-Nat | 23-V-50 | 24-Cr-50 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (V49 production) | MT22 (n,n+α) >> |



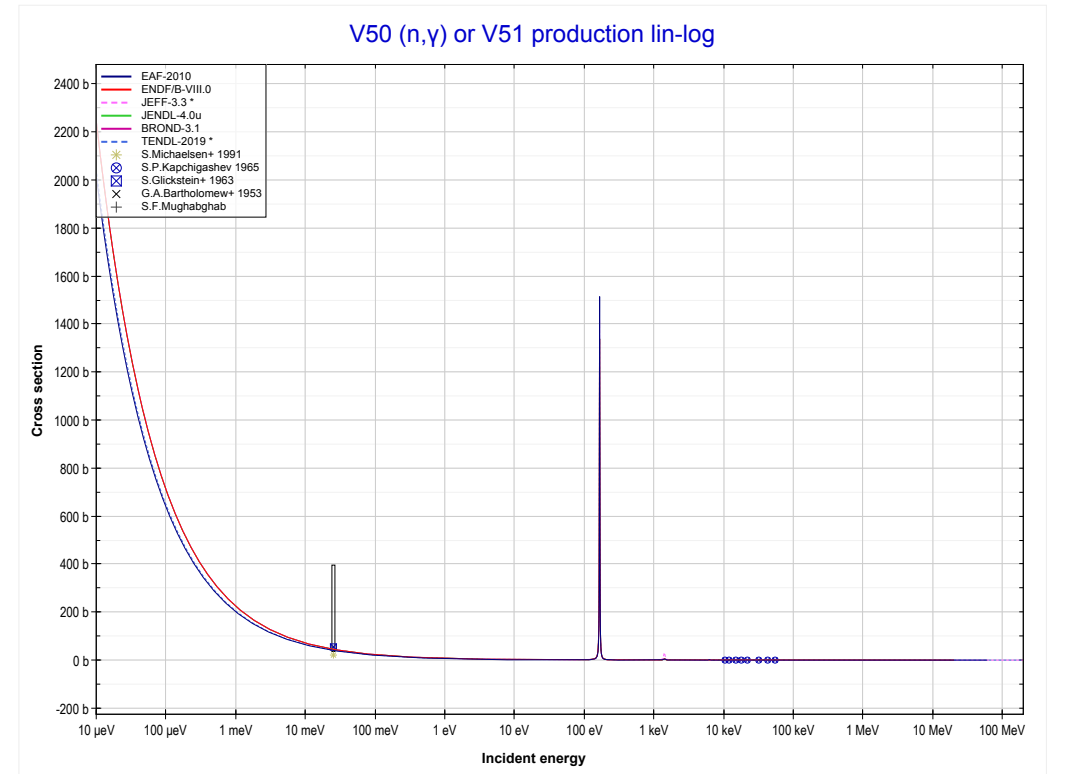
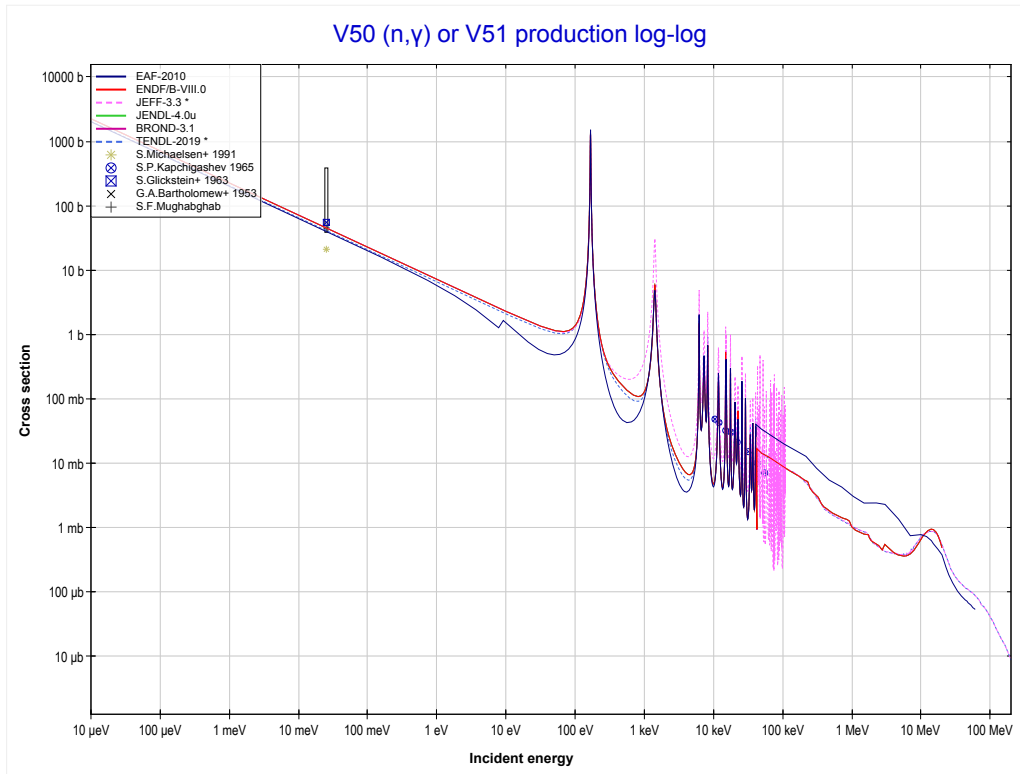
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.18593E-4 b | 0.66499 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.67822E-4 b | 0.655028 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.29453E-4 b | 0.64678 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.67822E-4 b | 0.655028 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.67822E-4 b | 0.655028 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.27567E-4 b | 0.643301 b |

| | | |
|----------------|--|----------------|
| << 19-K-39 | 23-V-50 | 23-V-51 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Sc46 production) | MT102 (n,γ) >> |



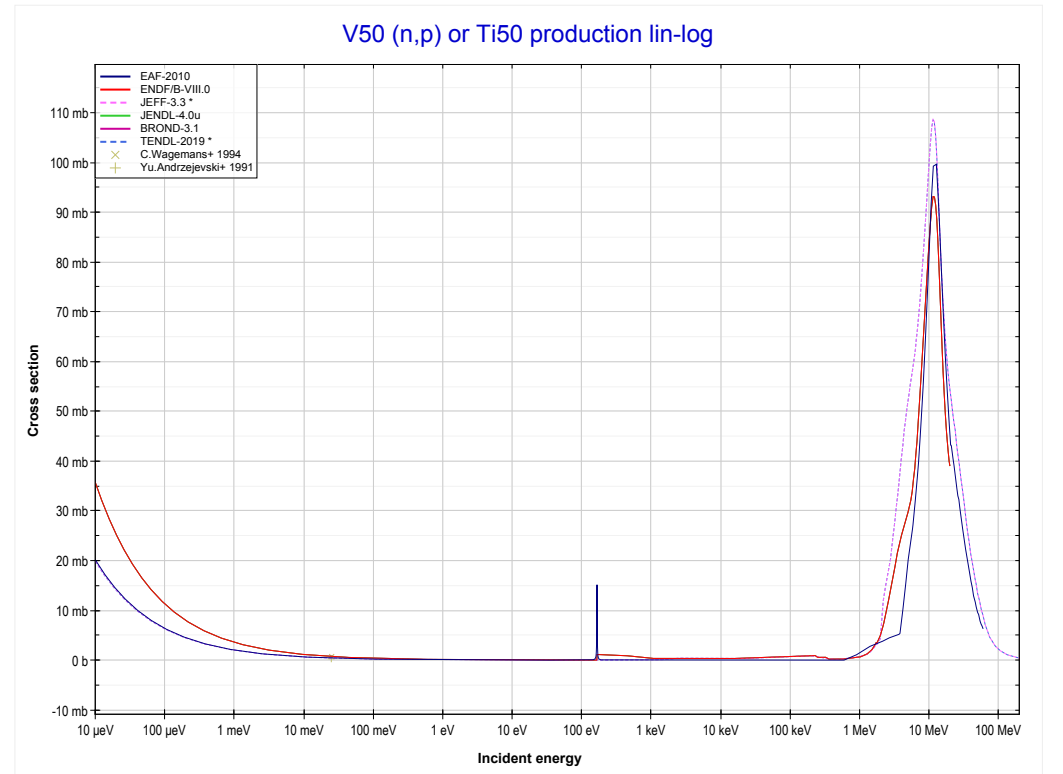
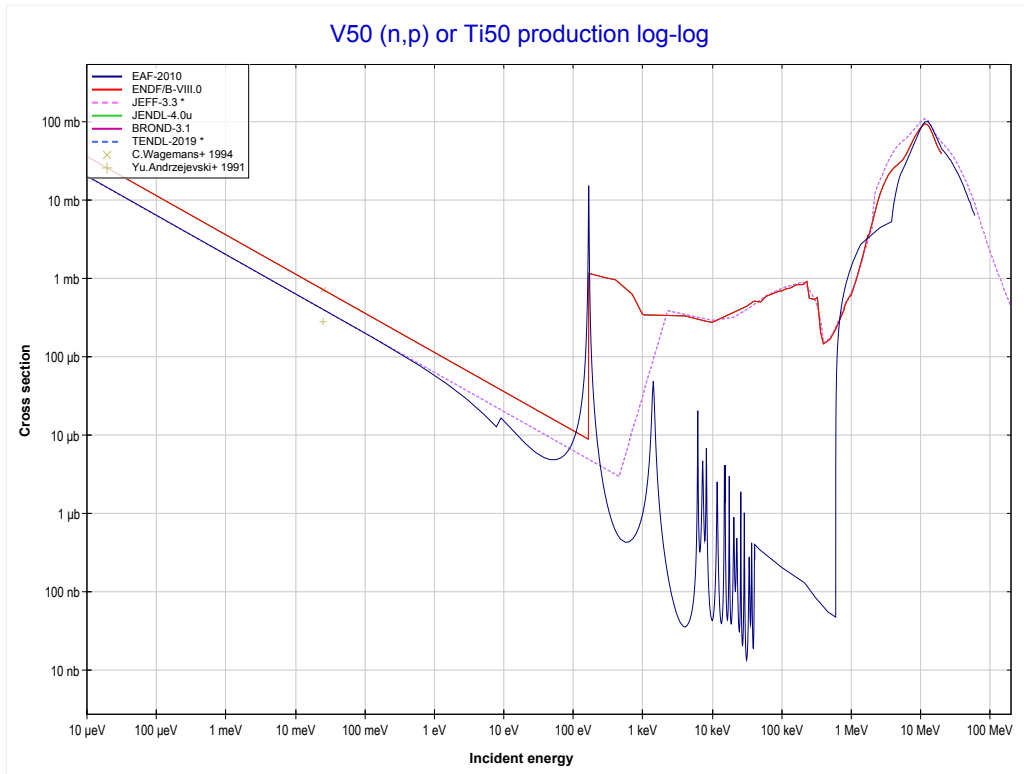
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33431E-7 b | 1.2831E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.90647E-7 b | 5.39781E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.33431E-7 b | 1.2831E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33431E-7 b | 1.2831E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.33141E-7 b | 2.90137E-6 b |

| | | |
|-----------------|--|----------------|
| << 23-V-Nat | 23-V-50 | 23-V-51 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (V51 production) | MT103 (n,p) >> |



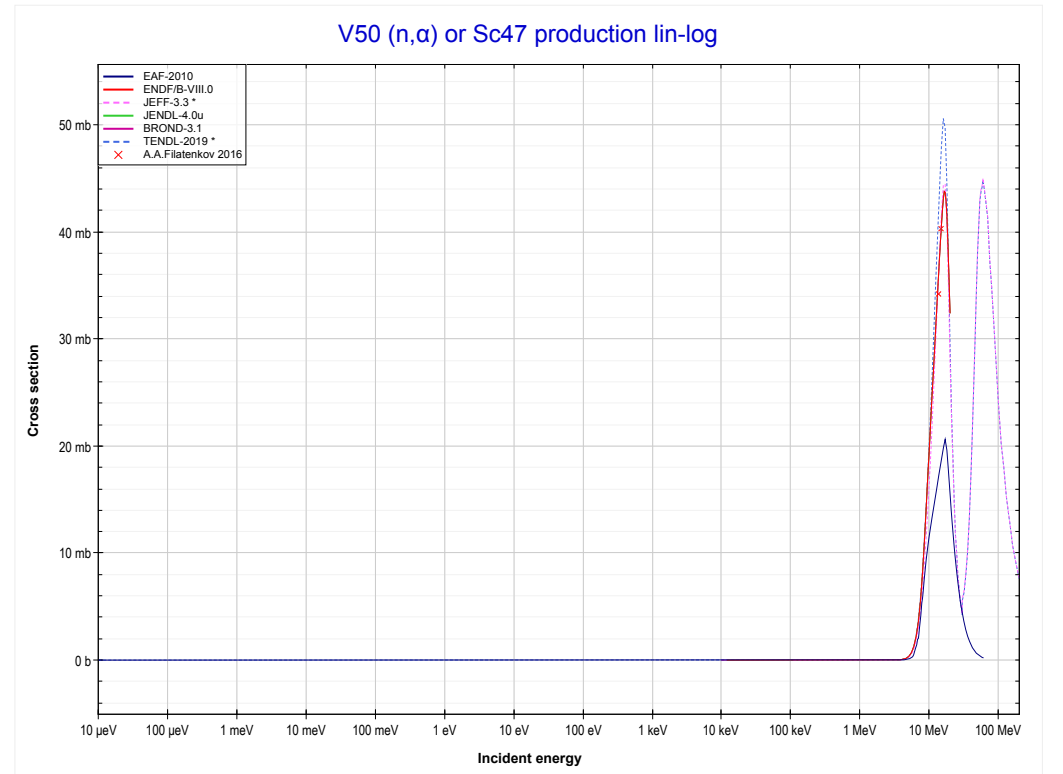
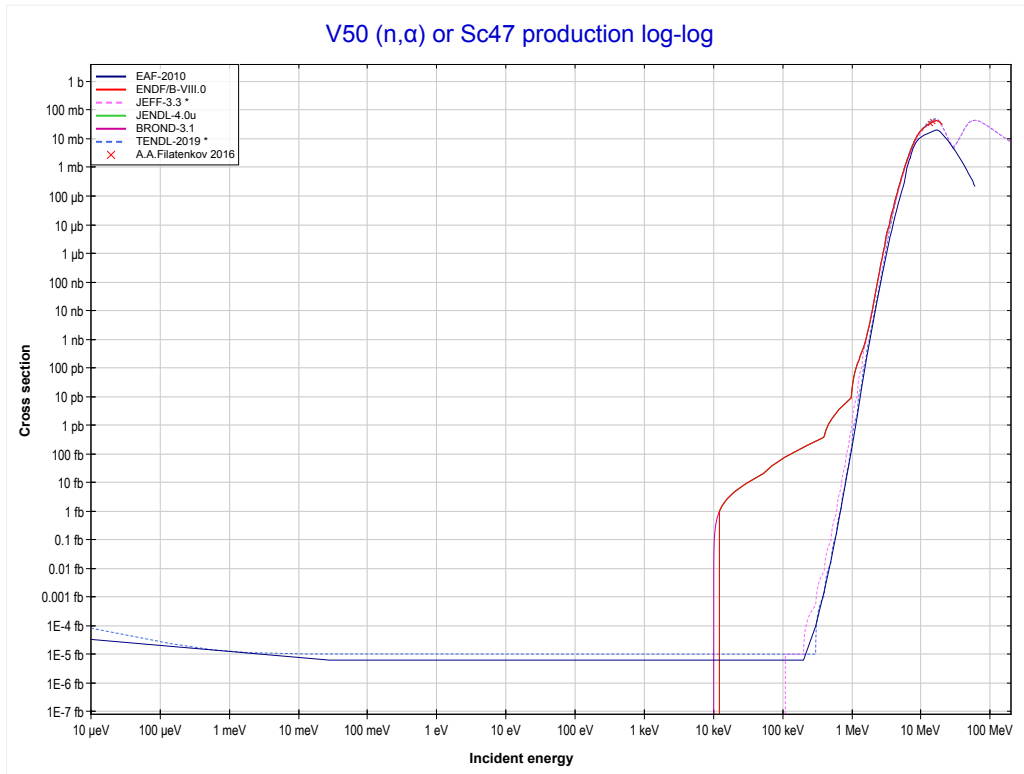
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 40 b | 39.9698 b | 39.917 b | 0.99869 | 51.6414 b | 0.00378282 b | 6.3E-4 b |
| ENDF/B-VIII.0 | 44.6884 b | 44.6884 b | 44.705 b | 1.00036 | 59.3488 b | 0.00134609 b | 9.35782E-4 b |
| JEFF-3.3 | 44.8474 b | 44.8474 b | 44.861 b | 1.00031 | 60.7893 b | 0.0015067 b | 8.72718E-4 b |
| JENDL-4.0u | 44.6884 b | 44.6884 b | 44.705 b | 1.00036 | 59.3488 b | 0.00134609 b | 9.35782E-4 b |
| BROND-3.1 | 44.6884 b | 44.6884 b | 44.705 b | 1.00036 | 59.3488 b | 0.00134606 b | 9.35782E-4 b |
| TENDL-2019 | 40.701 b | 40.701 b | 40.704 b | 1.00007 | 57.511 b | 0.00133076 b | 8.722E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 22-Ti-50 | 23-V-50 | 23-V-51 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ti50 production) | MT107 (n, α) >> |



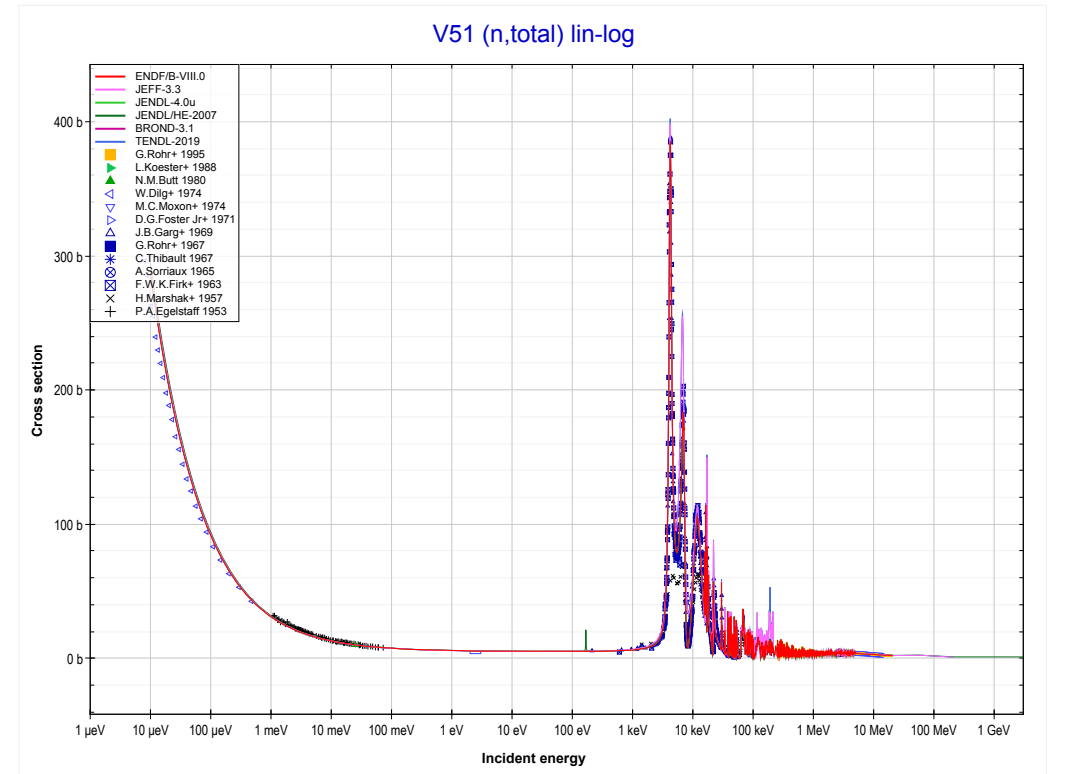
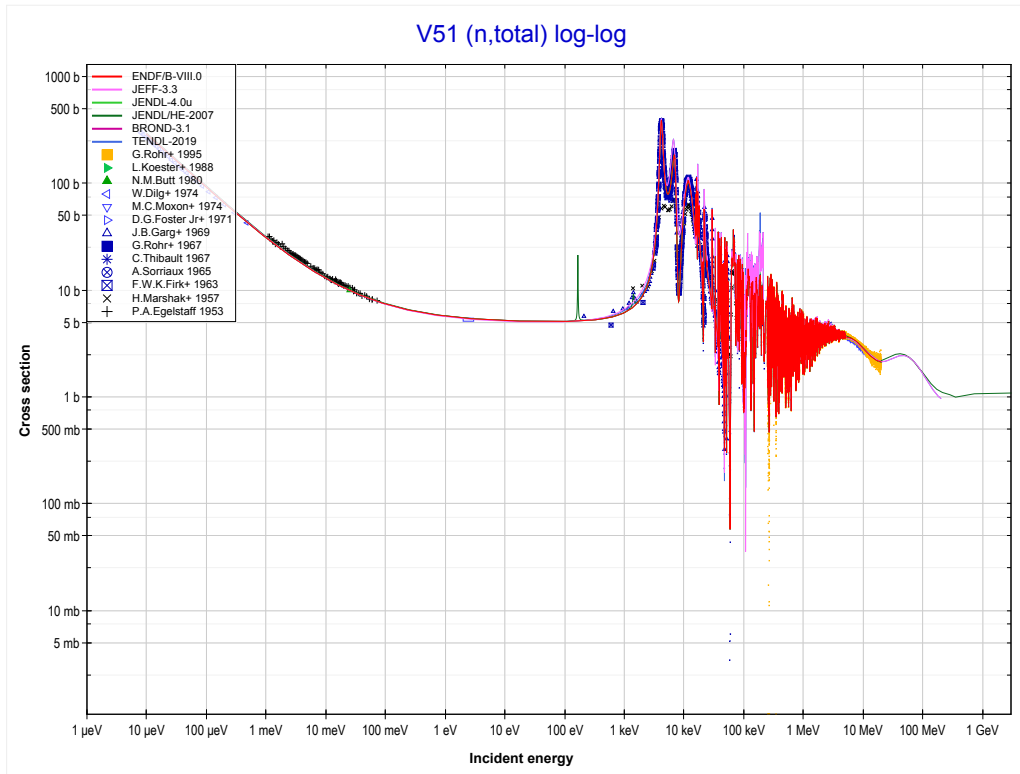
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 4E-4 b | 3.99698E-4 b | 3.9917E-4 b | 0.99869 | 5.16413E-4 b | 0.00493944 b | 0.0895756 b |
| ENDF/B-VIII.0 | 7.10241E-4 b | 7.10241E-4 b | 7.1049E-4 b | 1.00035 | 0.00361223 b | 0.00872227 b | 0.0786943 b |
| JEFF-3.3 | 3.95962E-4 b | 3.95962E-4 b | 3.9609E-4 b | 1.00033 | 0.00181171 b | 0.0130472 b | 0.0902706 b |
| JENDL-4.0u | 7.10241E-4 b | 7.10241E-4 b | 7.1049E-4 b | 1.00035 | 0.00361223 b | 0.00872227 b | 0.0786943 b |
| BROND-3.1 | 7.10241E-4 b | 7.10241E-4 b | 7.1049E-4 b | 1.00035 | 0.00361223 b | 0.00872227 b | 0.0786943 b |
| TENDL-2019 | 3.95746E-4 b | 3.95746E-4 b | 3.9545E-4 b | 0.99925 | 0.00181732 b | 0.0130594 b | 0.090062 b |

| | | |
|----------------|---|--------------------------|
| << 22-Ti-50 | 23-V-50 | 23-V-51 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Sc47 production) | 23-V-51 MT1 (n,total) >> |



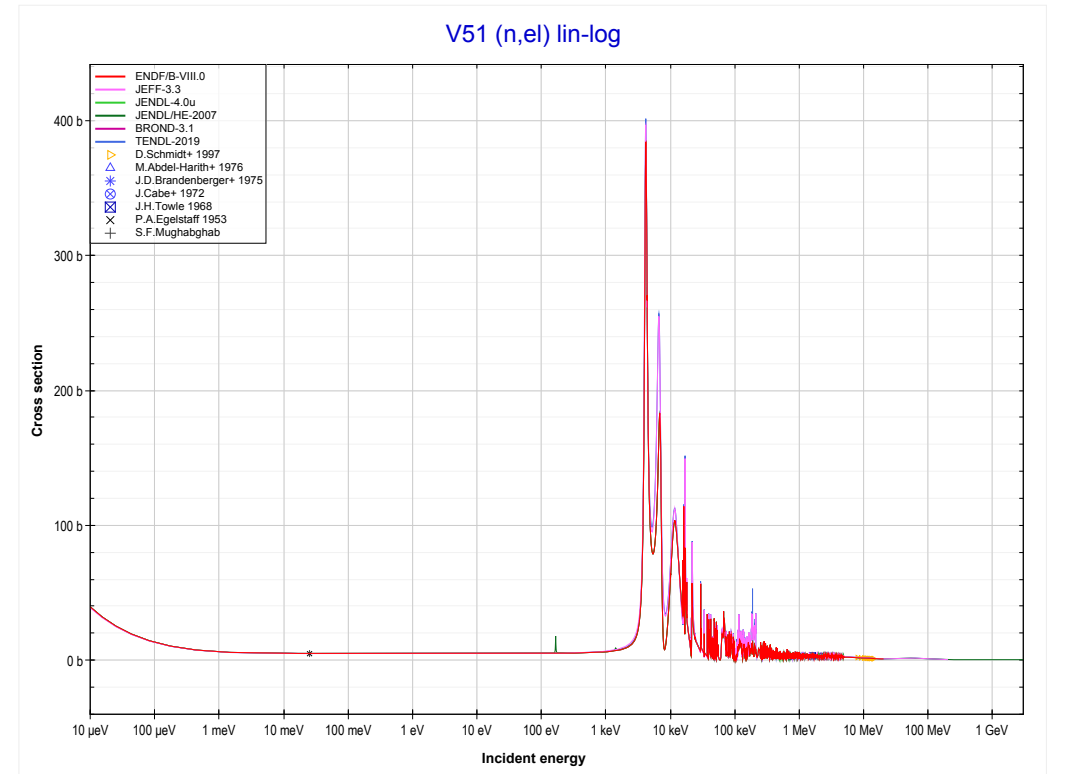
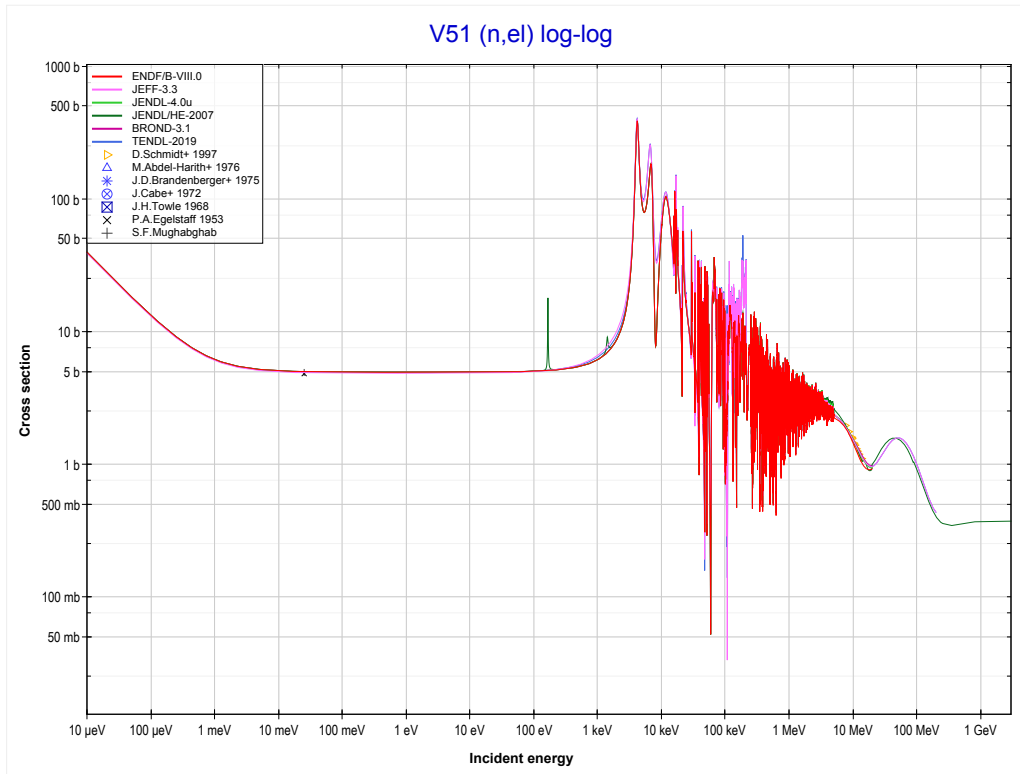
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 6.21195E-21 b | 6.21195E-21 b | 7.2874E-21 b | 0 | 7.58378E-20 b | 1.33803E-4 b | 0.0175416 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.8823E-14 b | 2.30209E-4 b | 0.0372632 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92905E-4 b | 0.037515 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 3.88229E-14 b | 2.30209E-4 b | 0.0372632 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.8915E-14 b | 2.30209E-4 b | 0.0372632 b |
| TENDL-2019 | 1.0101E-20 b | 1.0101E-20 b | 1.1398E-20 b | 1.1284 | 1.22076E-19 b | 2.39389E-4 b | 0.0435555 b |

| | | |
|---------------------------------|----------------------|--------------------|
| << 23-V-50 | 23-V-51 | 24-Cr-50 >> |
| << 23-V-50 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



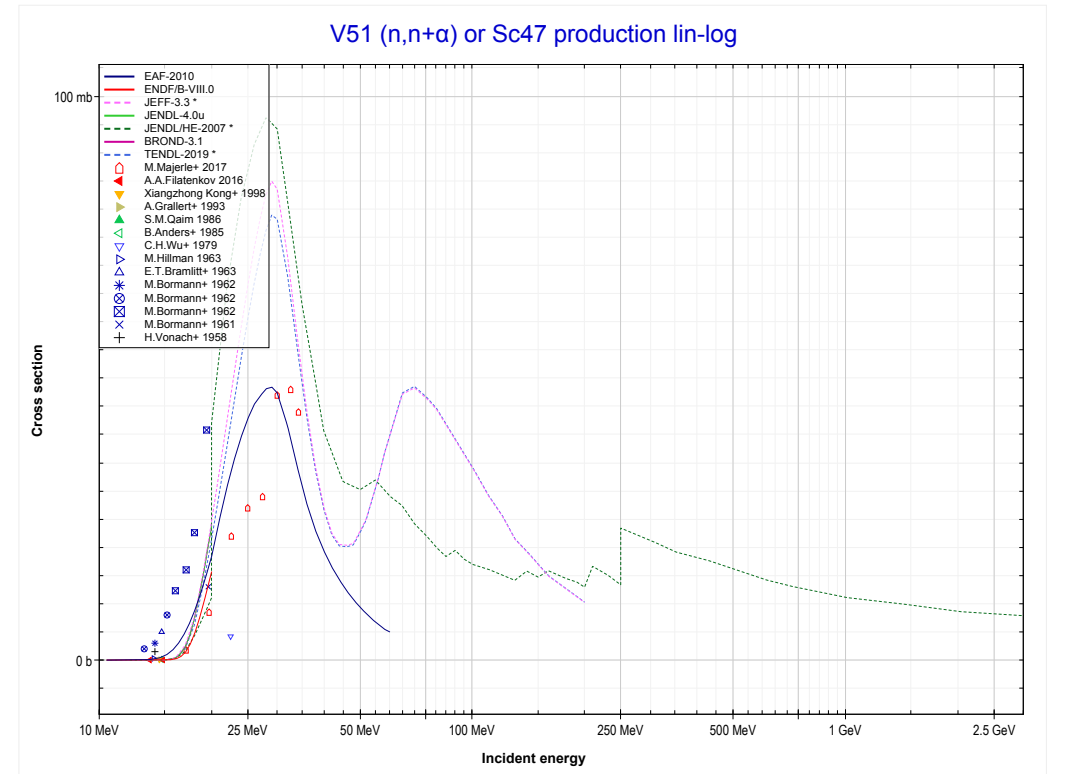
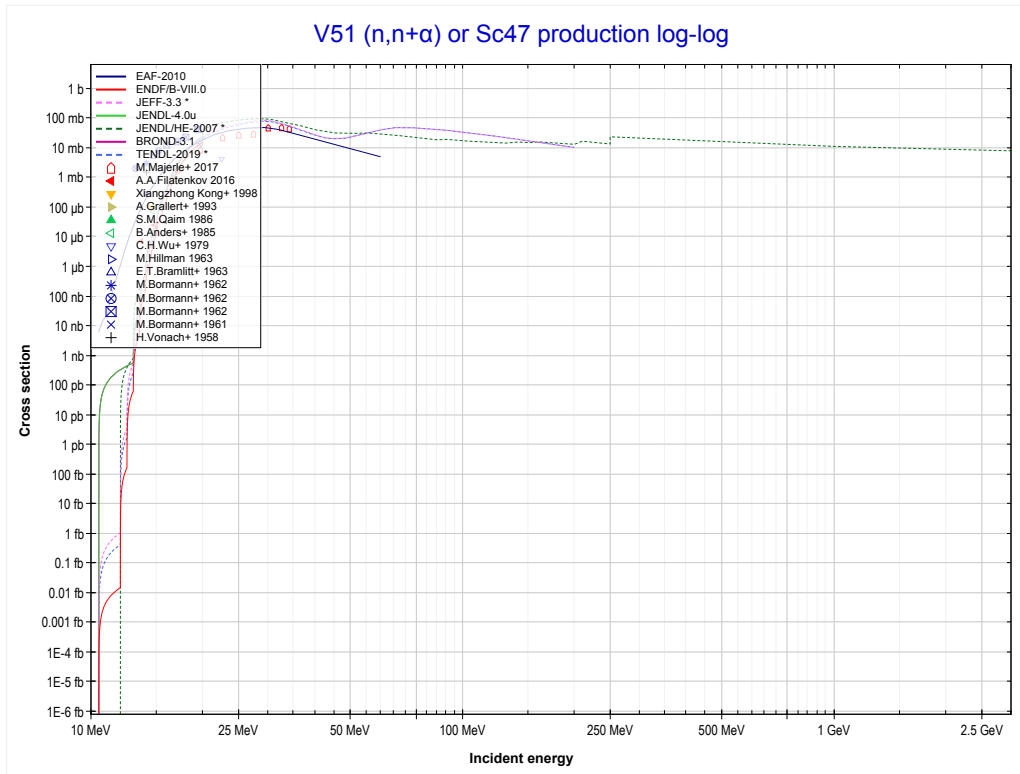
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.88549 b | 9.88549 b | 10.525 b | 1.06466 | 230.123 b | 3.94722 b | 2.35559 b |
| JEFF-3.3 | 9.87281 b | 9.87281 b | 10.501 b | 1.06358 | 263.055 b | 4.26478 b | 2.41429 b |
| JENDL-4.0u | 9.88549 b | 9.88549 b | 10.525 b | 1.06466 | 230.123 b | 3.94437 b | 2.40107 b |
| JENDL/HE-2007 | 10.0372 b | 10.0372 b | 10.675 b | 1.06357 | 230.861 b | 3.94984 b | 2.37363 b |
| BROND-3.1 | 9.88549 b | 9.88549 b | 10.525 b | 1.06466 | 230.123 b | 3.94435 b | 2.40313 b |
| TENDL-2019 | 9.87913 b | 9.87913 b | 10.513 b | 1.06416 | 265.057 b | 4.27617 b | 2.41618 b |

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|------------------|------------------------|-----------------|
| << 23-V-50 | 23-V-51 | 24-Cr-50 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT22 (n,n+α) >> |



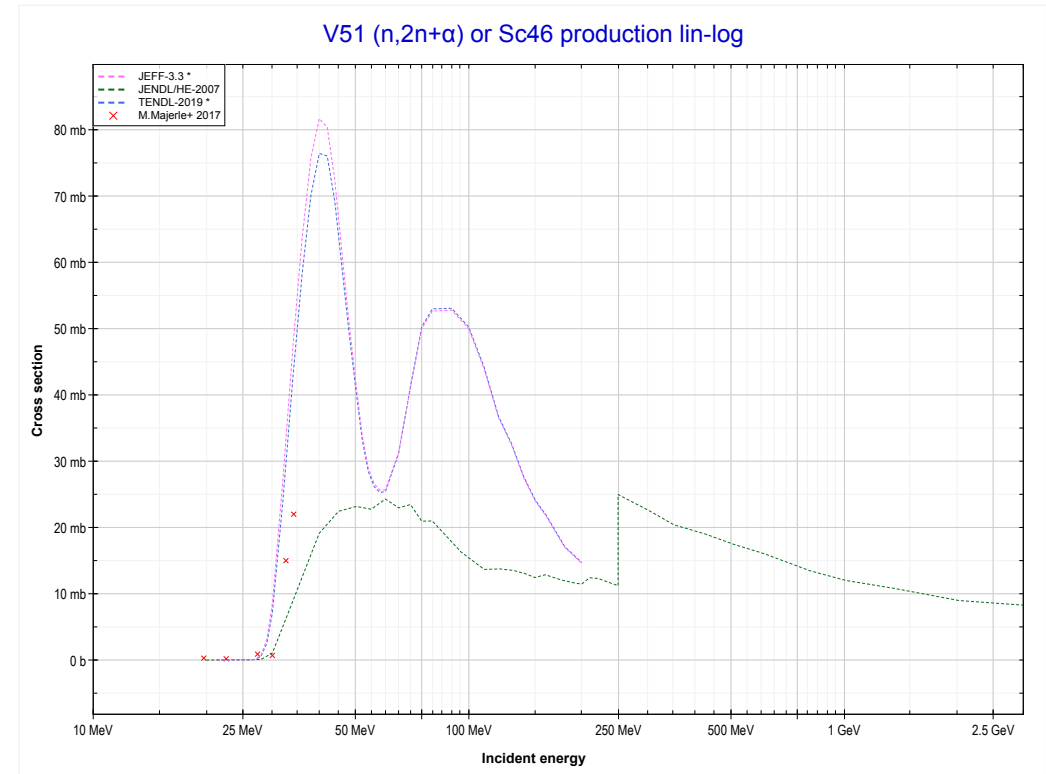
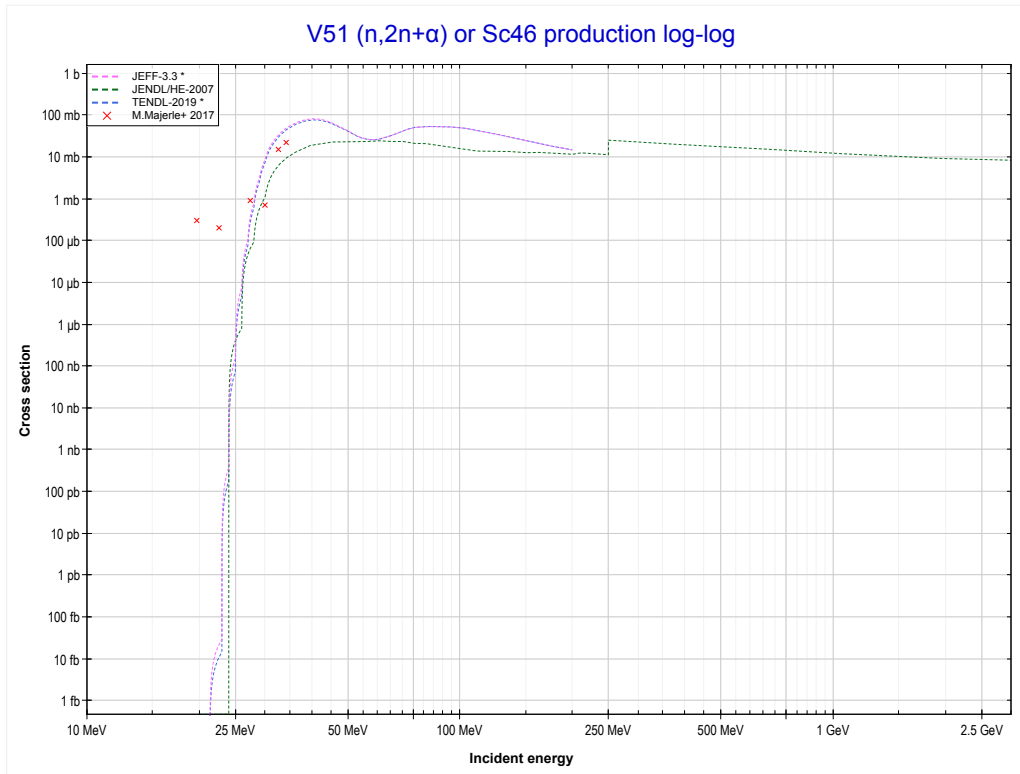
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.96662 b | 4.96662 b | 5.604 b | 1.12834 | 227.573 b | 3.20814 b | 1.00567 b |
| JEFF-3.3 | 4.87731 b | 4.87731 b | 5.5033 b | 1.12834 | 260.467 b | 3.45194 b | 1.11869 b |
| JENDL-4.0u | 4.96662 b | 4.96662 b | 5.604 b | 1.12834 | 227.573 b | 3.25409 b | 1.11461 b |
| JENDL/HE-2007 | 4.96846 b | 4.96846 b | 5.6064 b | 1.1284 | 228.163 b | 3.27547 b | 1.04621 b |
| BROND-3.1 | 4.96662 b | 4.96662 b | 5.604 b | 1.12834 | 227.573 b | 3.25412 b | 1.15623 b |
| TENDL-2019 | 4.93401 b | 4.93401 b | 5.5676 b | 1.1284 | 262.505 b | 3.4632 b | 1.11869 b |

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|--------------------|--|------------------|
| << 23-V-50 | 23-V-51 | 28-Ni-58 >> |
| << MT2 (n,elastic) | MT22 (n,n+α) or MT5 (Sc47 production) | MT24 (n,2n+α) >> |



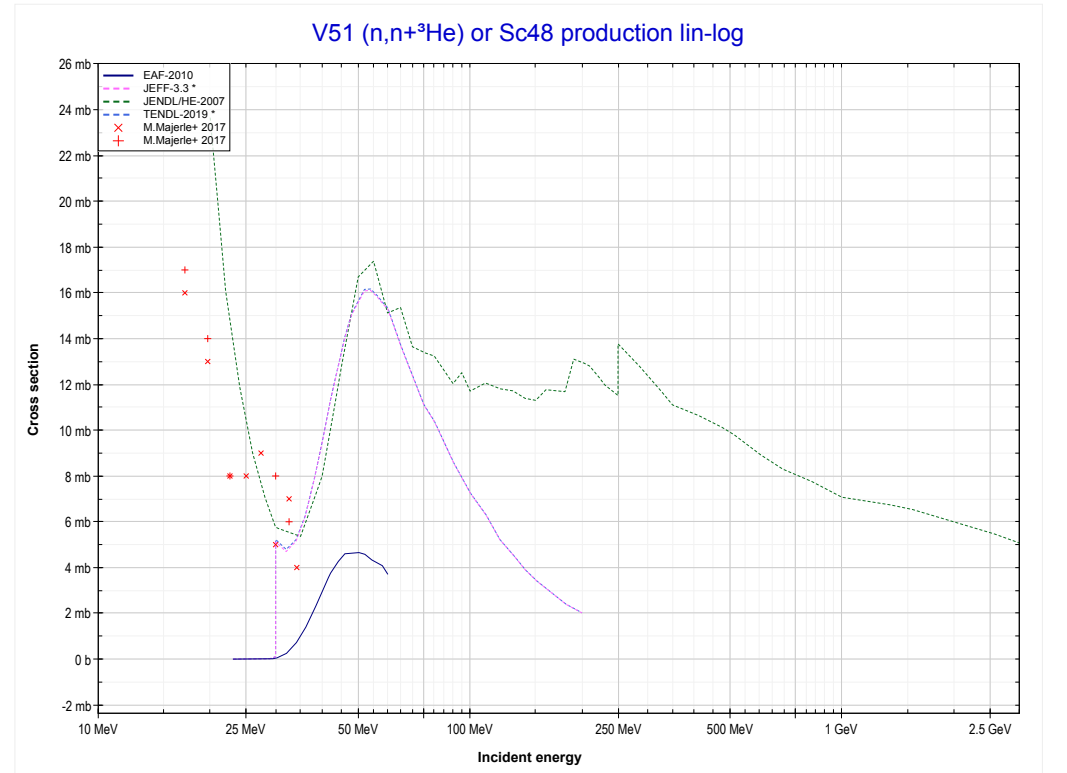
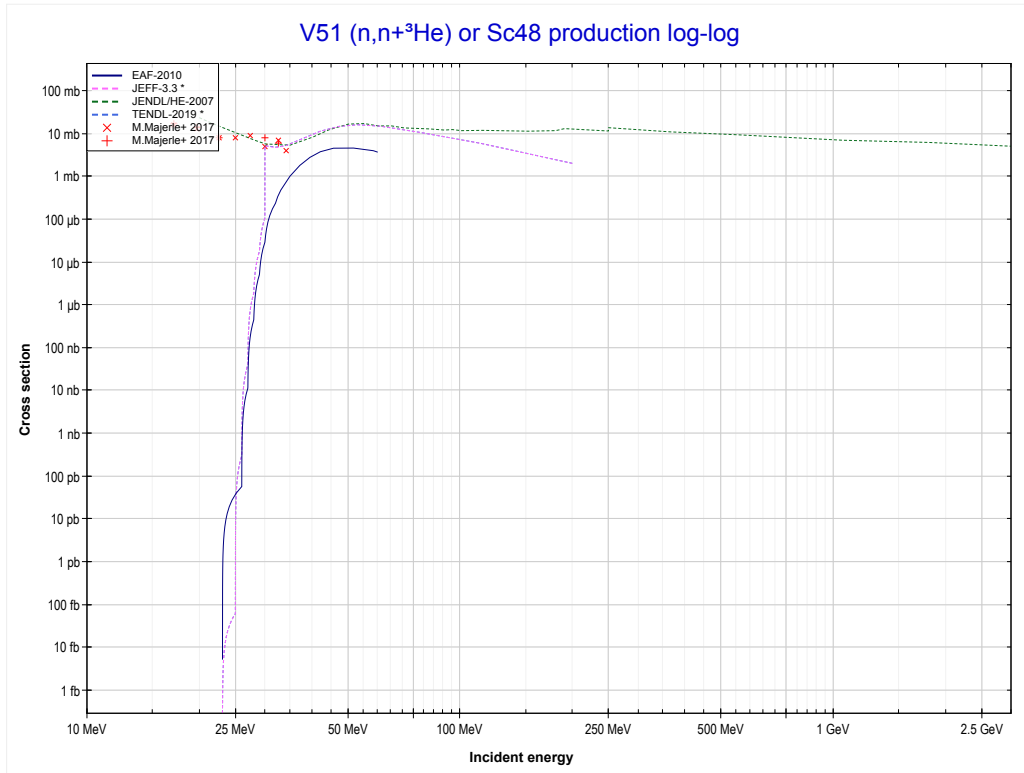
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.53075E-8 b | 1.26003E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34347E-7 b | 4.2439E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.23832E-7 b | 5.52945E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.31059E-8 b | 3.44701E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23806E-7 b | 5.52945E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11342E-7 b | 1.87373E-7 b |

| | | |
|-----------------|---|--------------------------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT22 (n,n+α) | MT24 (n,2n+α) or MT5 (Sc46 production) | MT34 (n,n+ ³ He) >> |



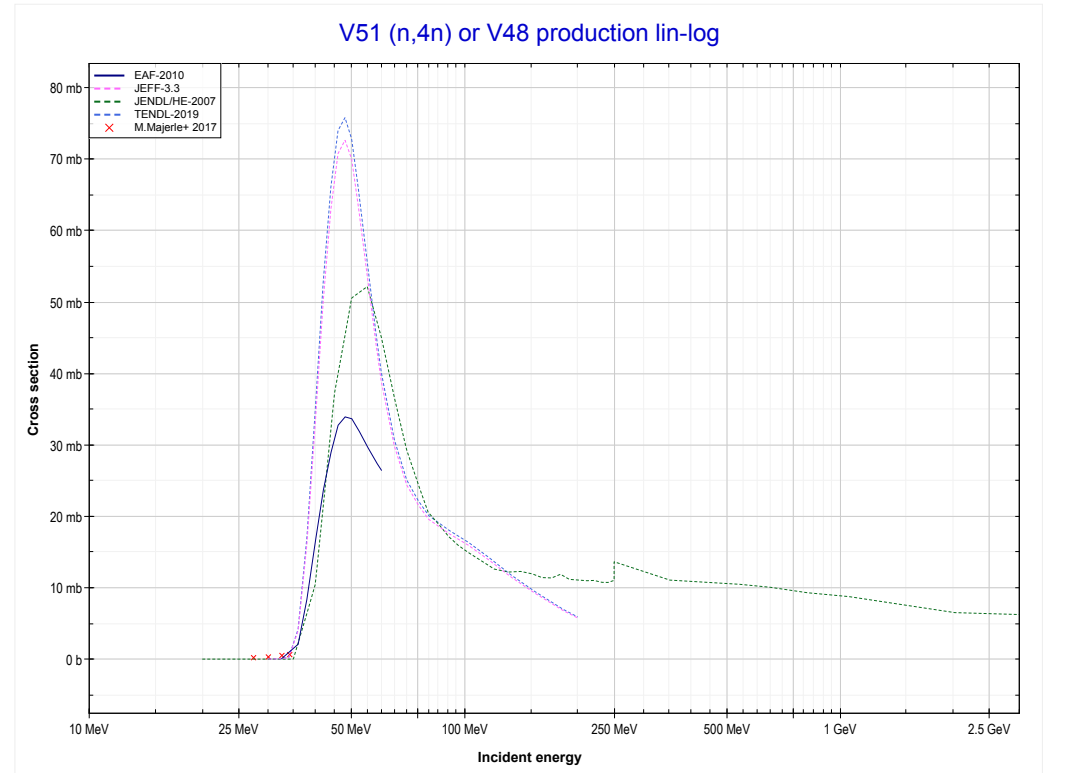
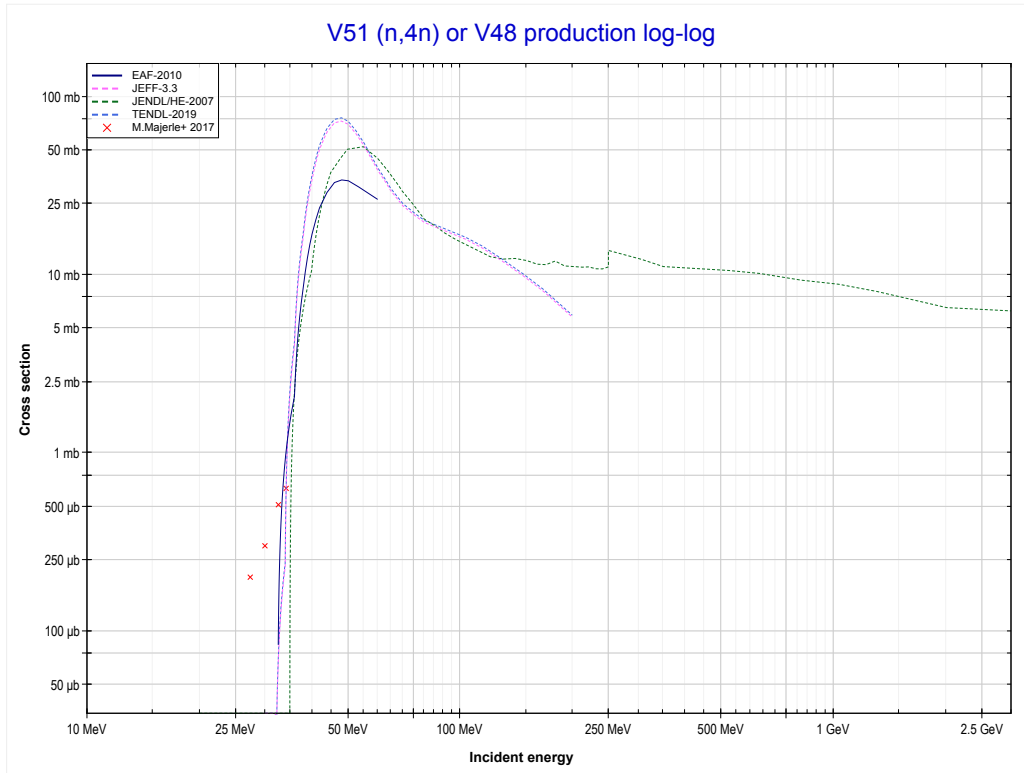
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,2n+α)Sc46 | -20938.83 keV |
| V51(n,2t)Sc46 | -32270.90 keV |
| V51(n,n+d+t)Sc46 | -38528.13 keV |
| V51(n,2n+p+t)Sc46 | -40752.70 keV |
| V51(n,3n+He3)Sc46 | -41516.45 keV |
| V51(n,2n+2d)Sc46 | -44785.36 keV |
| V51(n,3n+p+d)Sc46 | -47009.93 keV |
| V51(n,4n+2p)Sc46 | -49234.49 keV |

| | | |
|------------------|---|----------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT24 (n,2n+α) | MT34 (n,n+³He) or MT5 (Sc48 production) | MT37 (n,4n) >> |



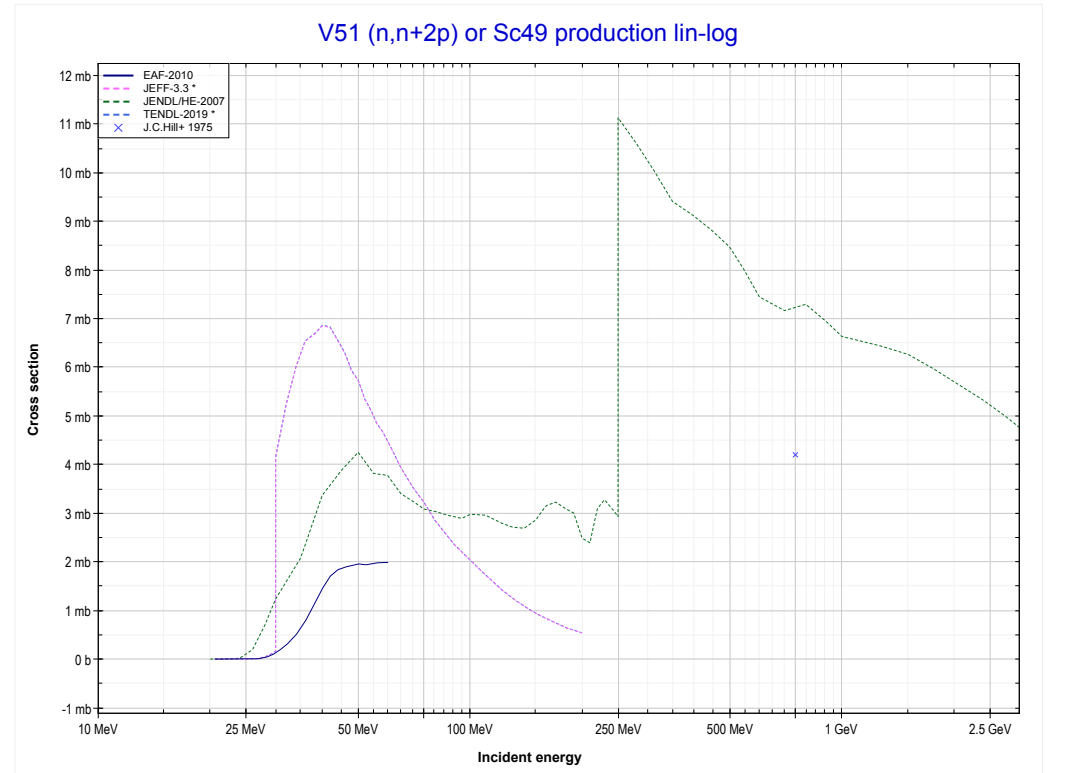
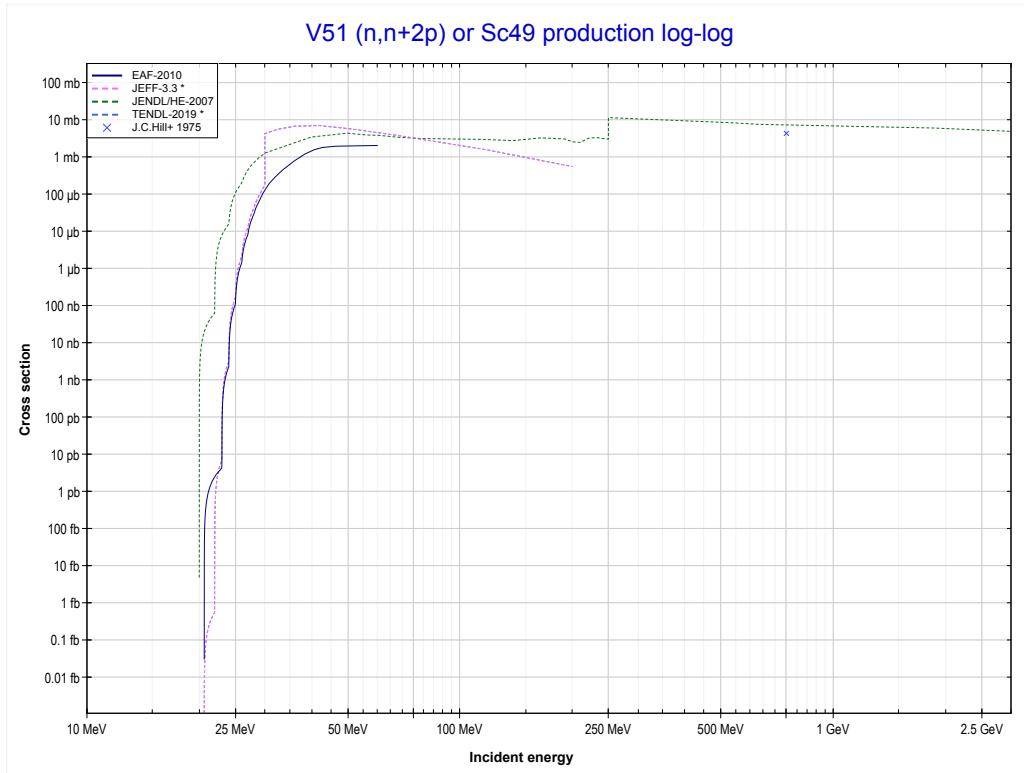
| Reaction | Q-Value |
|------------------|---------------|
| V51(n,α)Sc48 | -2053.40 keV |
| V51(n,p+t)Sc48 | -21867.26 keV |
| V51(n,n+He3)Sc48 | -22631.02 keV |
| V51(n,2d)Sc48 | -25899.93 keV |
| V51(n,n+p+d)Sc48 | -28124.49 keV |
| V51(n,2n+2p)Sc48 | -30349.06 keV |

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|---|--|-------------------------------|
| | 23-V-51 | 25-Mn-55 >> |
| << MT34 (n,n+³He) | MT37 (n,4n) or MT5 (V48 production) | MT44 (n,n+2p) >> |



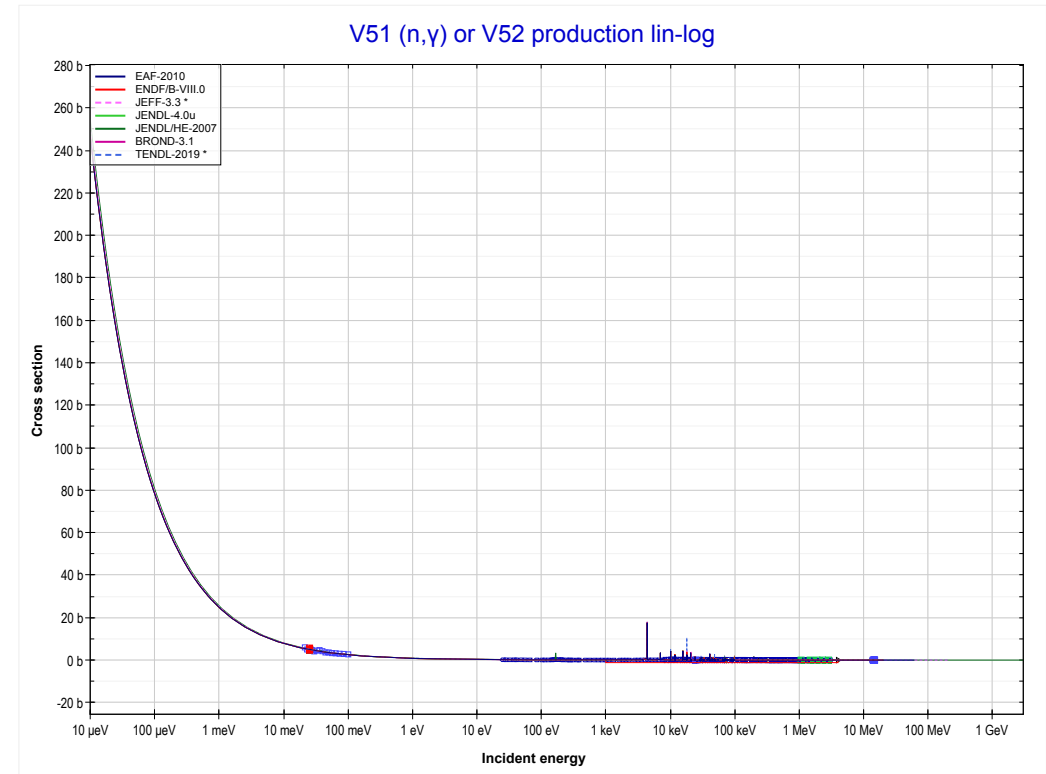
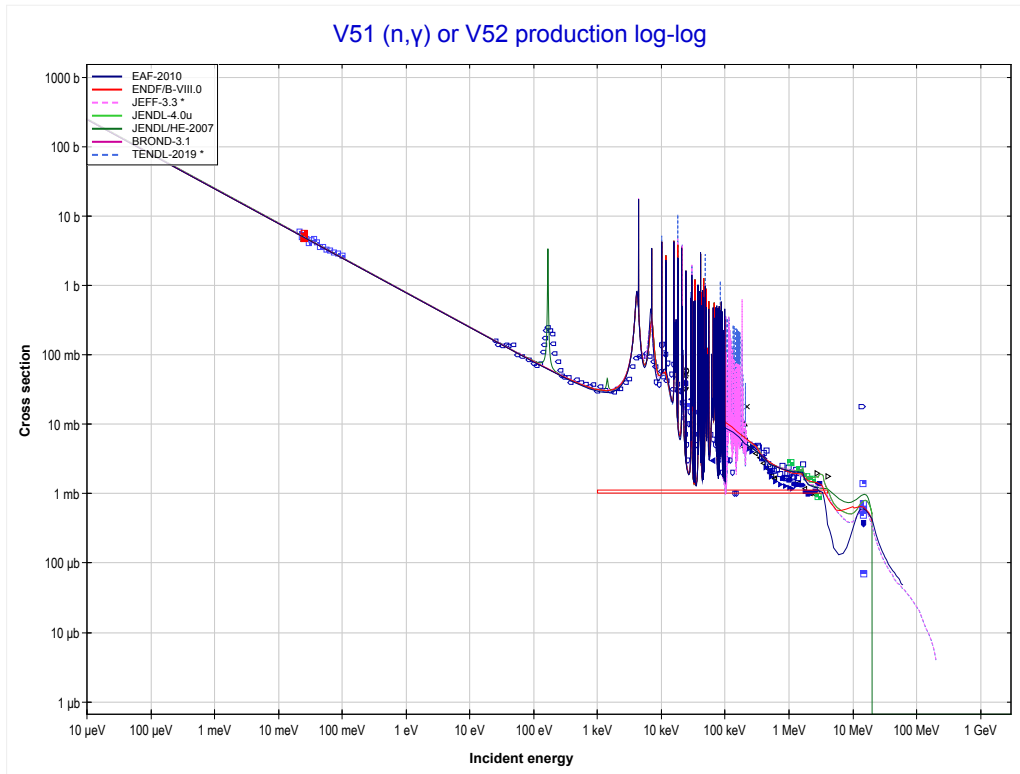
| | |
|--------------|---------------|
| Reaction | Q-Value |
| V51(n,4n)V48 | -31940.05 keV |

| | | |
|----------------|---|-------------------------|
| << 21-Sc-45 | 23-V-51 | 33-As-75 >> |
| << MT37 (n,4n) | MT44 (n,n+2p) or MT5 (Sc49 production) | MT102 (n, γ) >> |



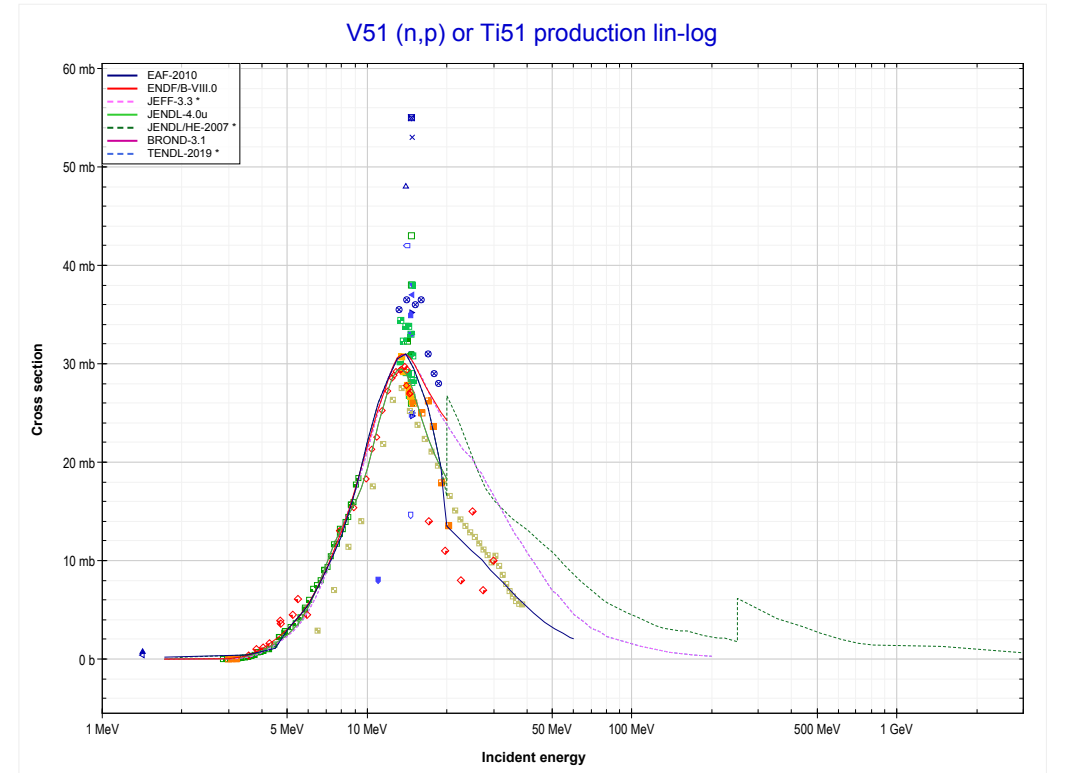
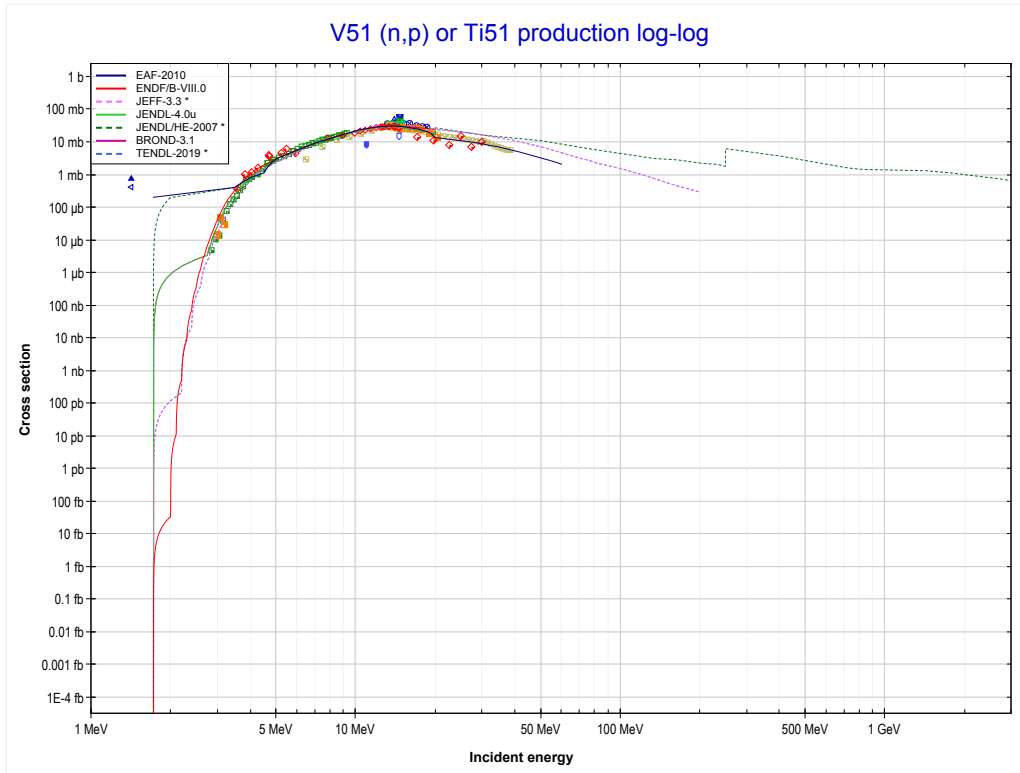
| Reaction | Q-Value |
|-----------------|---------------|
| V51(n,He3)Sc49 | -12502.40 keV |
| V51(n,p+d)Sc49 | -17995.88 keV |
| V51(n,n+2p)Sc49 | -20220.44 keV |

| | | |
|------------------|--|----------------|
| << 23-V-50 | 23-V-51 | 24-Cr-50 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (V52 production) | MT103 (n,p) >> |



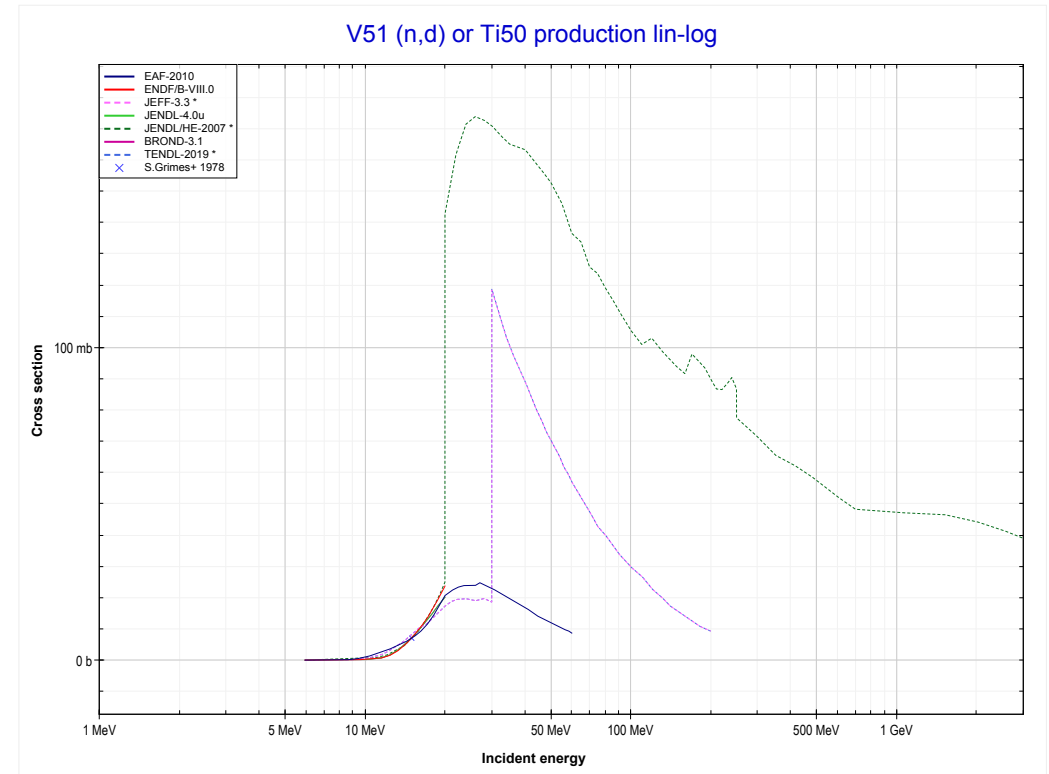
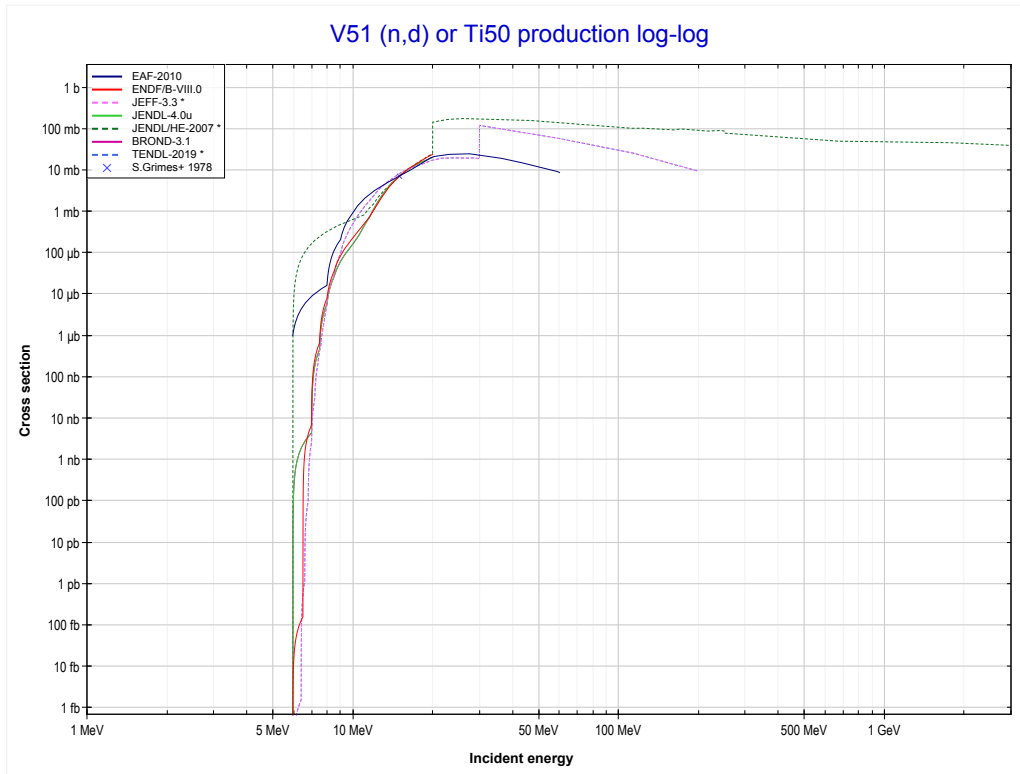
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.9096 b | 4.90628 b | 4.9162 b | 1.00209 | 2.54267 b | 0.00219774 b | 6.0884E-4 b |
| ENDF/B-VIII.0 | 4.91887 b | 4.91887 b | 4.9206 b | 1.00036 | 2.54972 b | 0.00237909 b | 6.52072E-4 b |
| JEFF-3.3 | 4.9955 b | 4.9955 b | 4.9973 b | 1.00036 | 2.58831 b | 0.00238323 b | 5.9024E-4 b |
| JENDL-4.0u | 4.91887 b | 4.91887 b | 4.9206 b | 1.00036 | 2.54972 b | 0.00254557 b | 7.60385E-4 b |
| JENDL/HE-2007 | 5.06876 b | 5.06876 b | 5.0689 b | 1.00002 | 2.69327 b | 0.00232952 b | 9.6155E-4 b |
| BROND-3.1 | 4.91887 b | 4.91887 b | 4.9206 b | 1.00036 | 2.54972 b | 0.00254614 b | 7.60385E-4 b |
| TENDL-2019 | 4.94511 b | 4.94511 b | 4.9454 b | 1.00006 | 2.54848 b | 0.00244388 b | 5.89092E-4 b |

| | | |
|-------------------------|---|----------------|
| << 23-V-50 | 23-V-51 | 24-Cr-50 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ti51 production) | MT104 (n,d) >> |



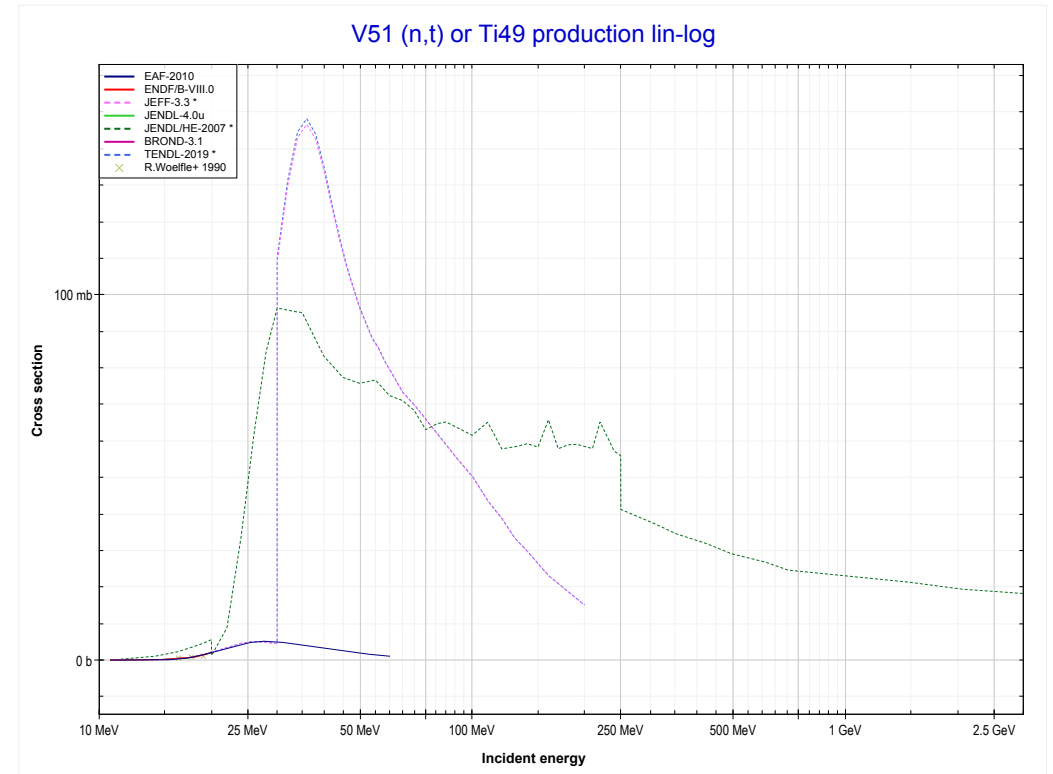
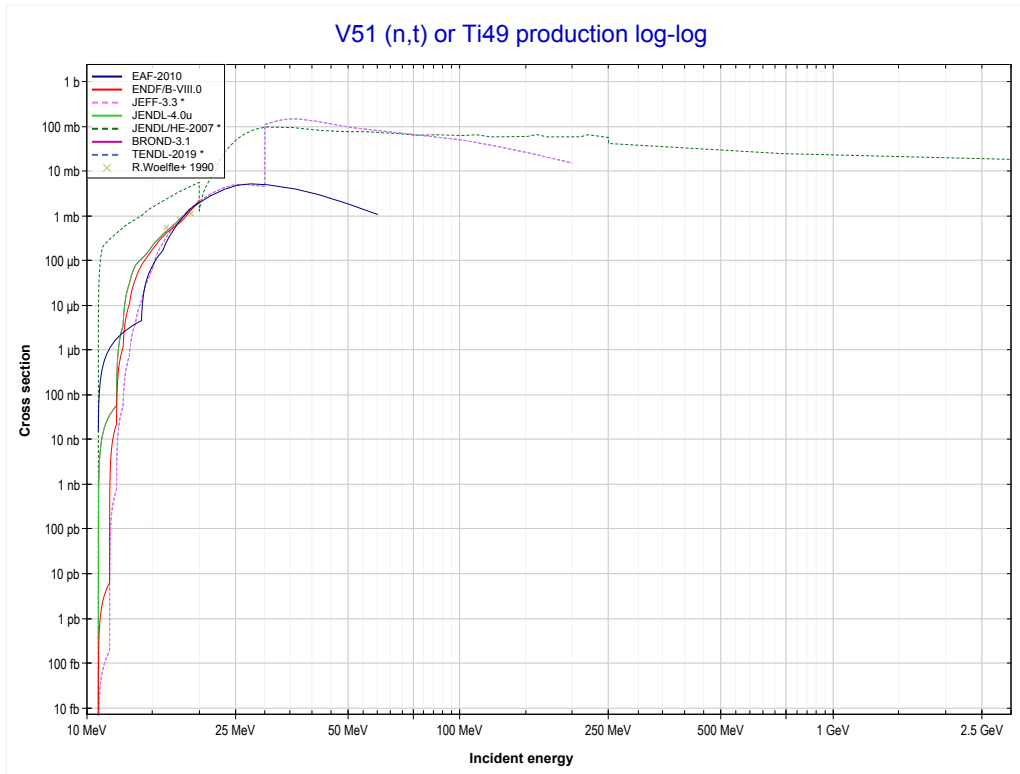
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.09804E-4 b | 0.031 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00712E-4 b | 0.0309601 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.19046E-4 b | 0.0308255 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.49245E-4 b | 0.0290532 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.33128E-4 b | 0.031 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.49273E-4 b | 0.0290532 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.19756E-4 b | 0.0308502 b |

| | | |
|----------------|---|----------------|
| << 22-Ti-50 | 23-V-51 | 24-Cr-50 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ti50 production) | MT105 (n,t) >> |



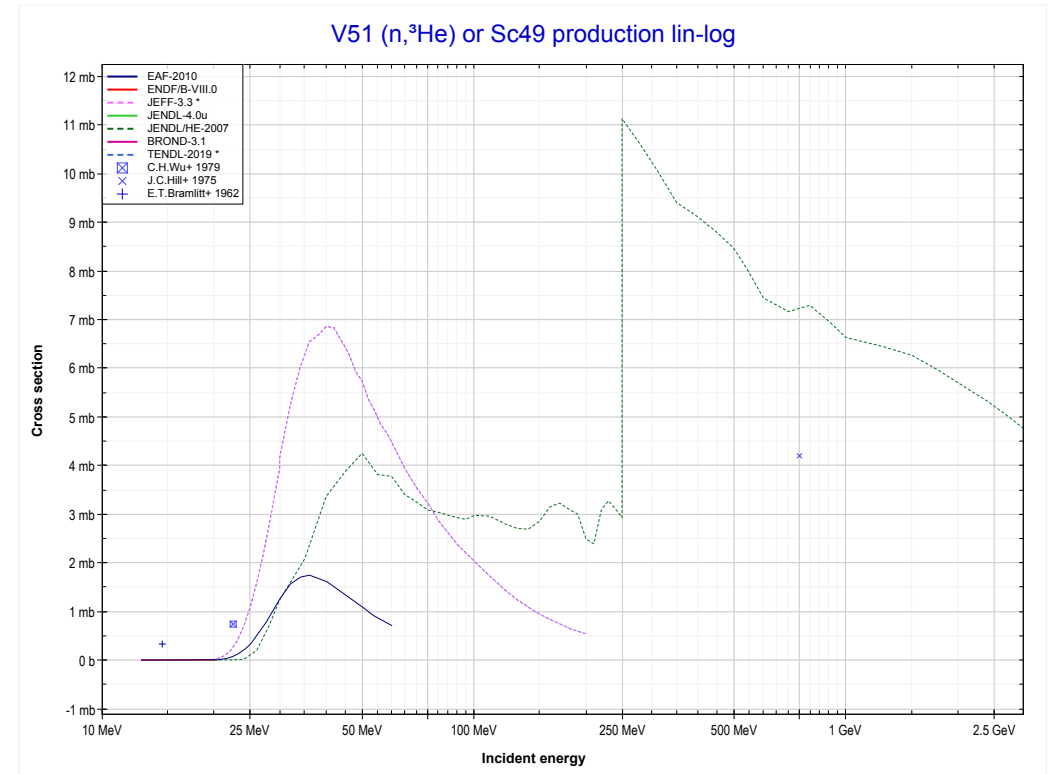
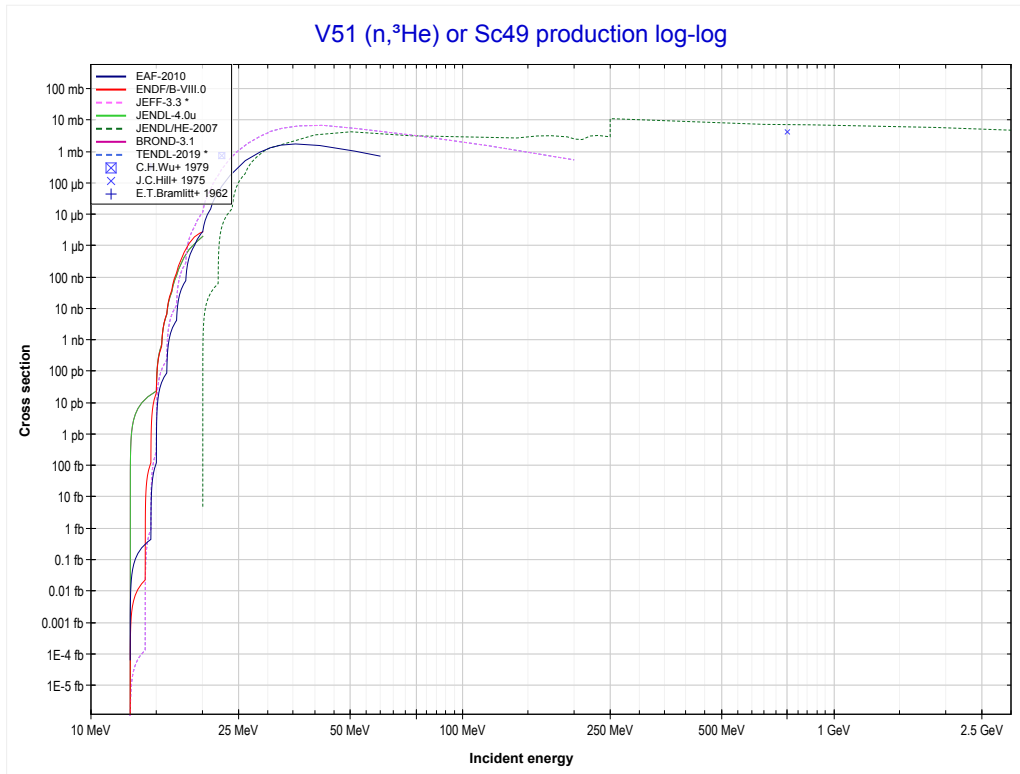
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.5408E-6 b | 0.005544 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86175E-6 b | 0.00451364 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.68889E-6 b | 0.00603403 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.71507E-6 b | 0.00474745 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.87448E-6 b | 0.0045 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71497E-6 b | 0.00474745 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69042E-6 b | 0.00603593 b |

| | | |
|----------------|---|-------------------------------|
| << 22-Ti-48 | 23-V-51 | 24-Cr-50 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Ti49 production) | MT106 (n, ³ He) >> |



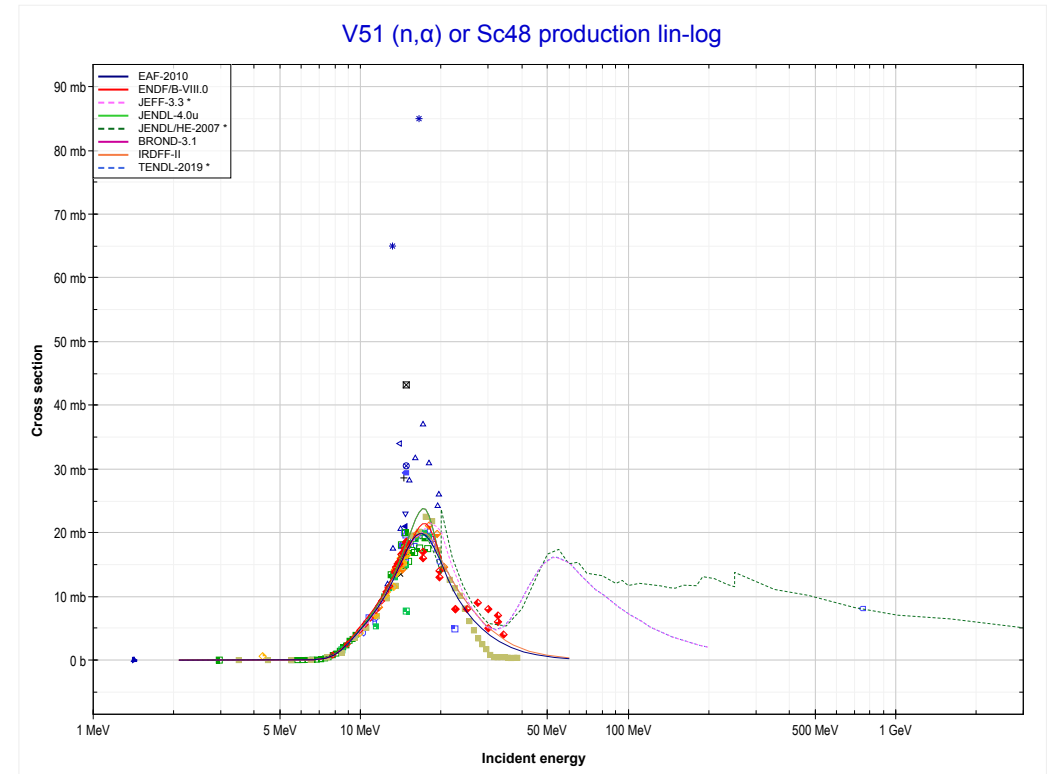
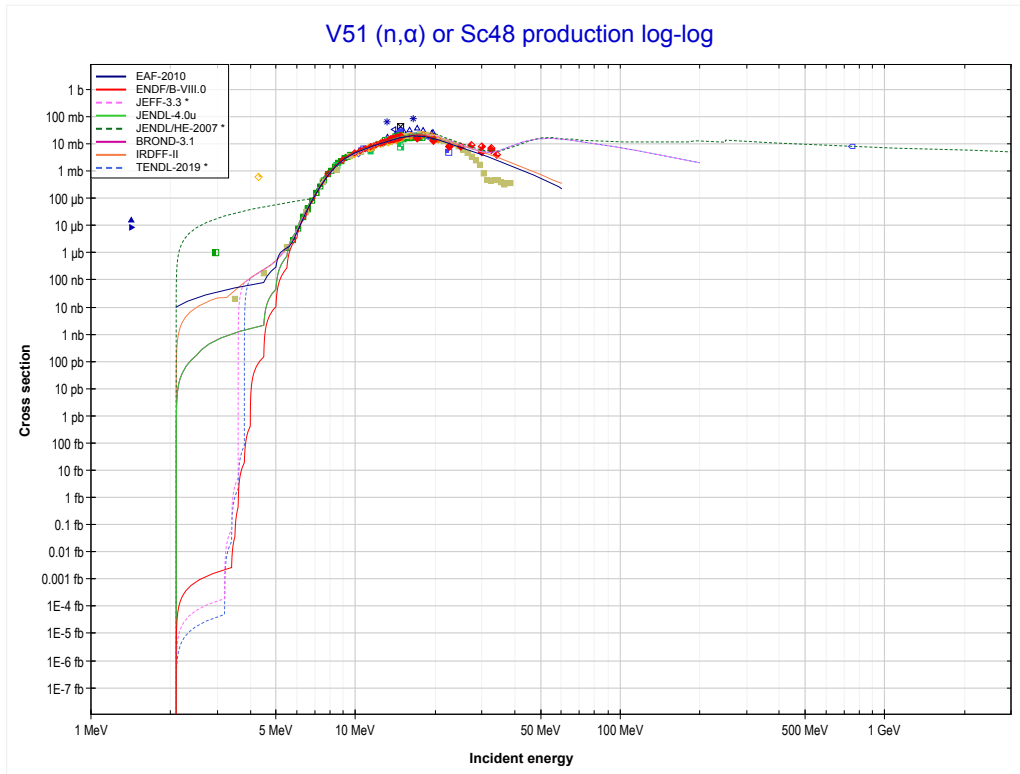
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31677E-8 b | 4.5551E-6 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.72223E-8 b | 7.83715E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48414E-8 b | 1.23966E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.71225E-8 b | 1.09037E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.10678E-7 b | 0.001 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.7119E-8 b | 1.09037E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48811E-8 b | 1.24373E-5 b |

| | | |
|----------------|--|----------------|
| << 21-Sc-45 | 23-V-51 | 24-Cr-53 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Sc49 production) | MT107 (n,α) >> |



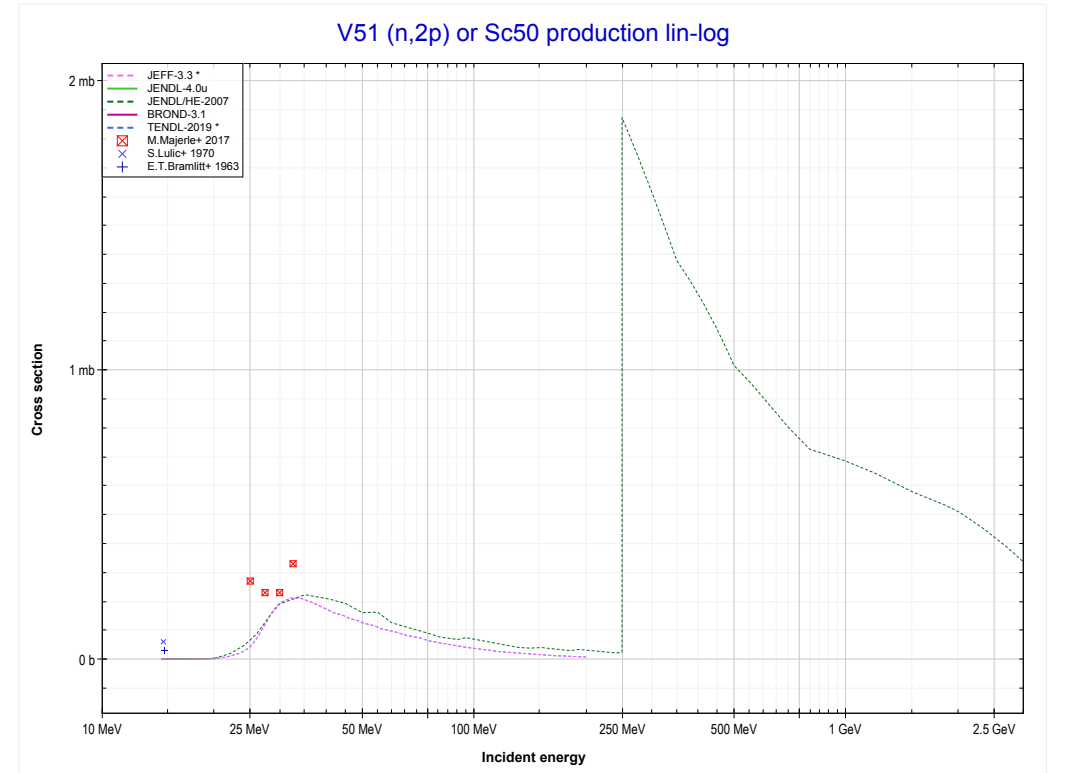
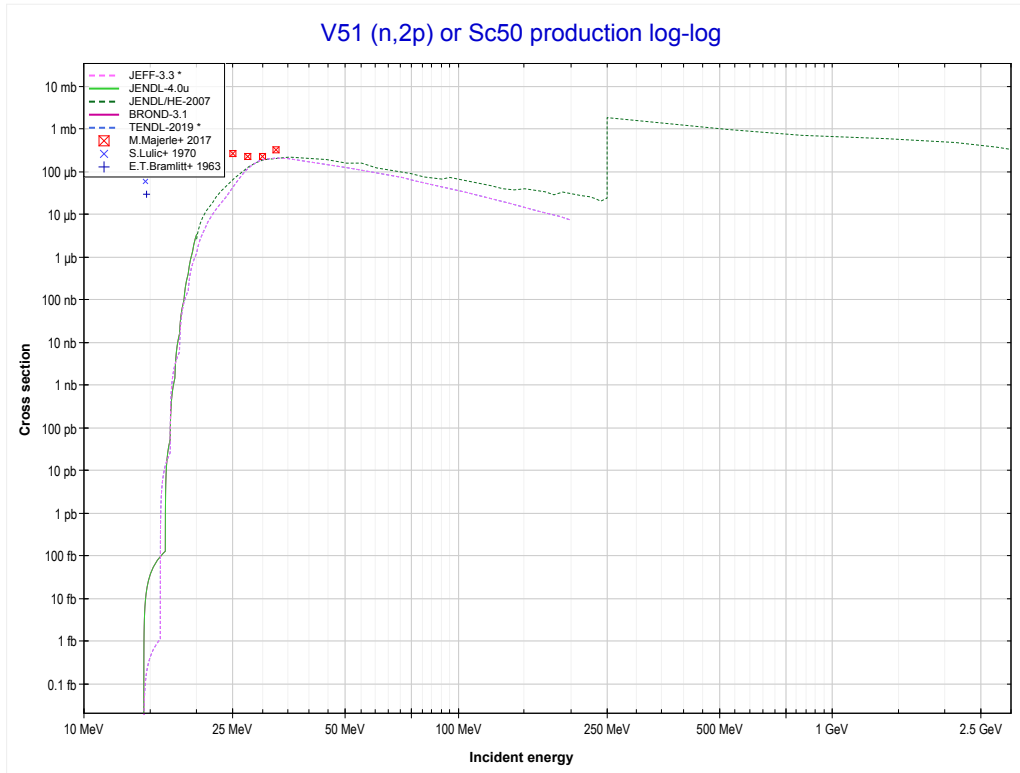
| Reaction | Q-Value |
|-----------------|---------------|
| V51(n,He3)Sc49 | -12502.40 keV |
| V51(n,p+d)Sc49 | -17995.88 keV |
| V51(n,n+2p)Sc49 | -20220.44 keV |

| | | |
|-------------------------------|---|-----------------|
| << 23-V-50 | 23-V-51 | 24-Cr-50 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Sc48 production) | MT111 (n,2p) >> |



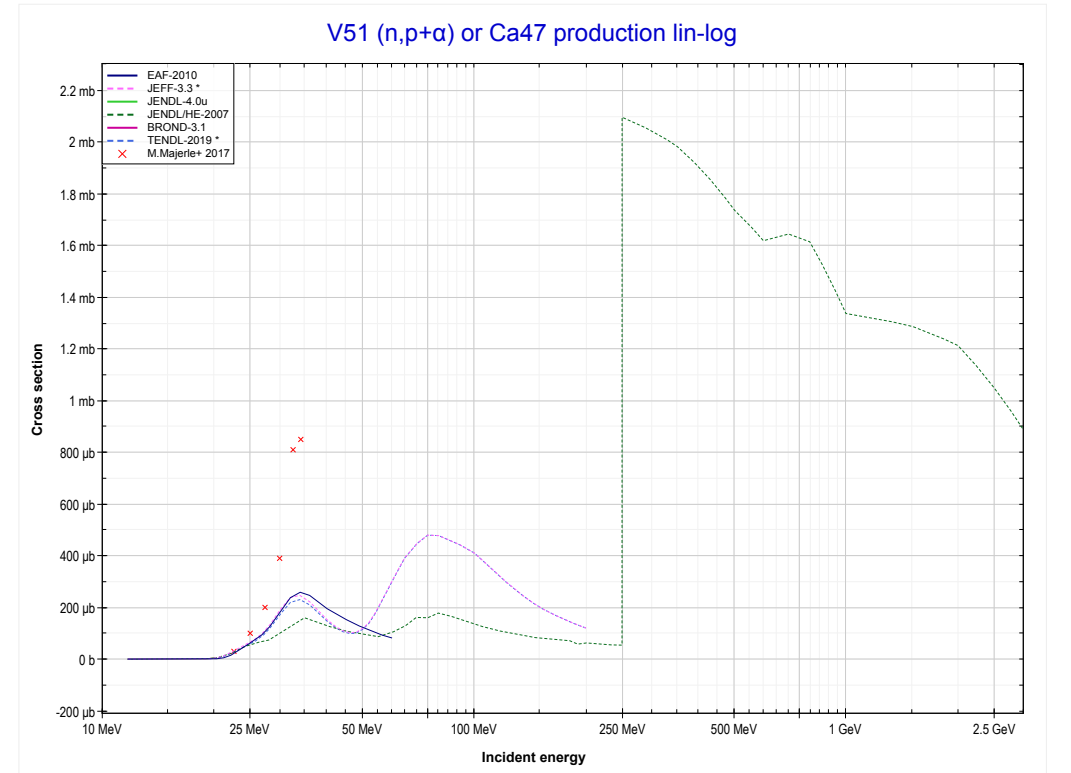
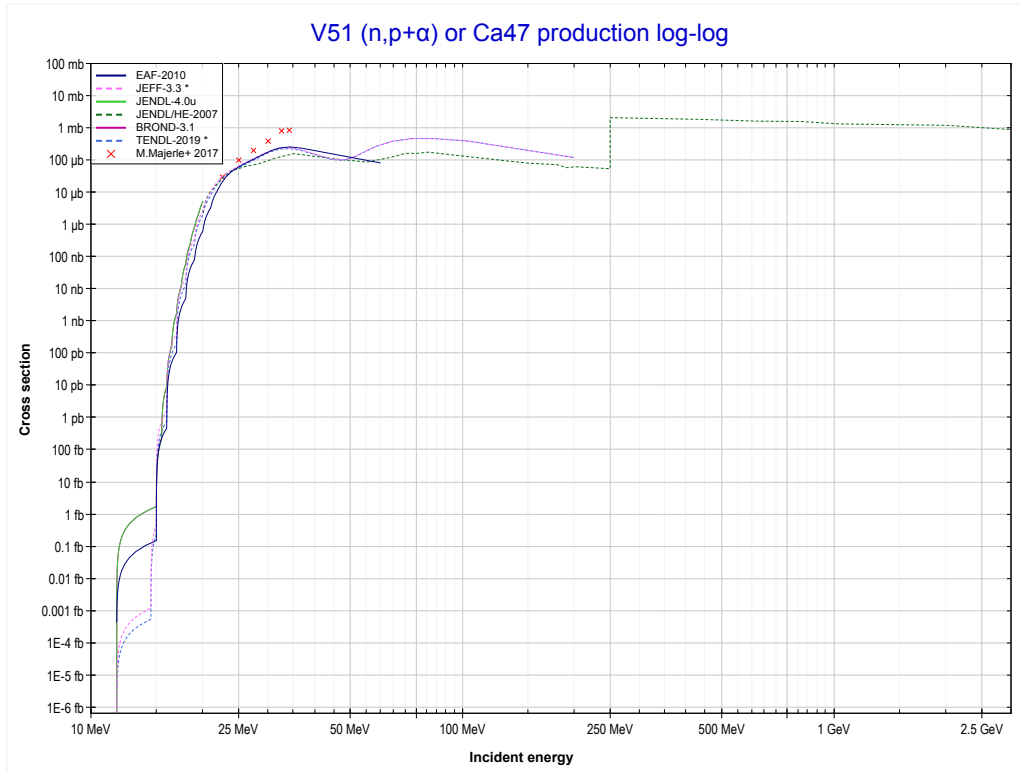
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27505E-5 b | 0.0148864 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.50718E-5 b | 0.0149548 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25884E-5 b | 0.014926 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.3909E-5 b | 0.0155986 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.47571E-5 b | 0.0156 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.39088E-5 b | 0.0155986 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 3.26428E-5 b | 0.0149351 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25648E-5 b | 0.0149261 b |

| | | |
|-------------------------|--|---------------------------|
| << 22-Ti-50 | 23-V-51 | 25-Mn-55 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Sc50 production) | MT112 (n,p+ α) >> |



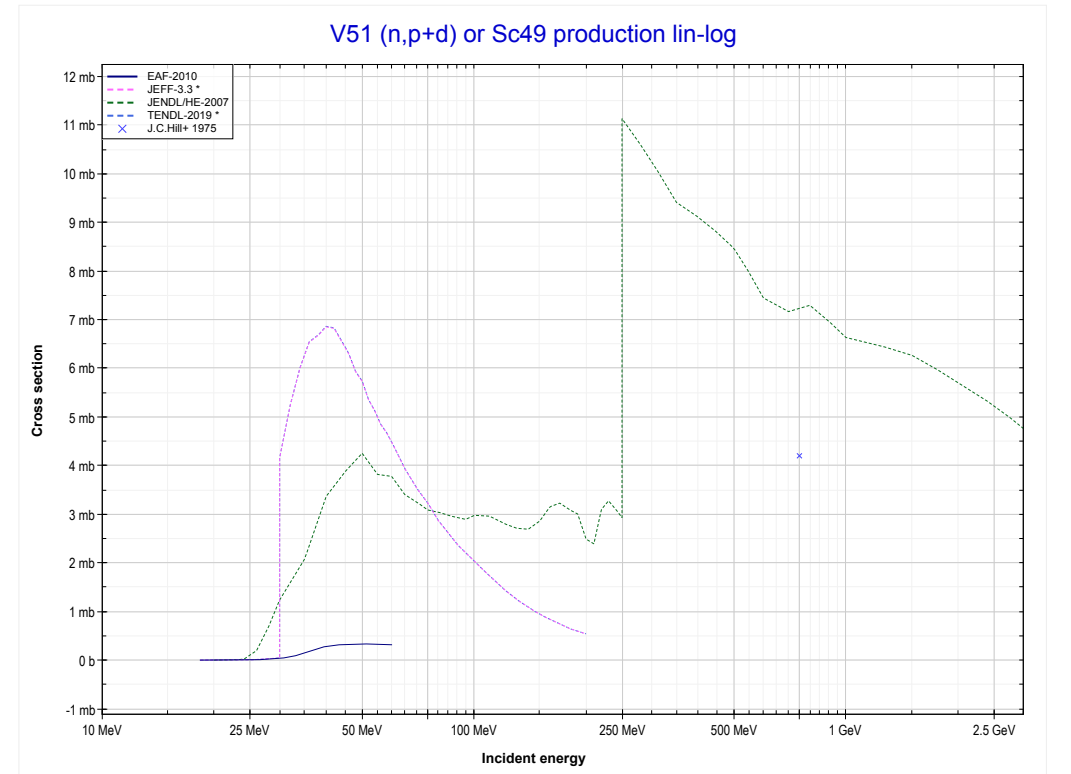
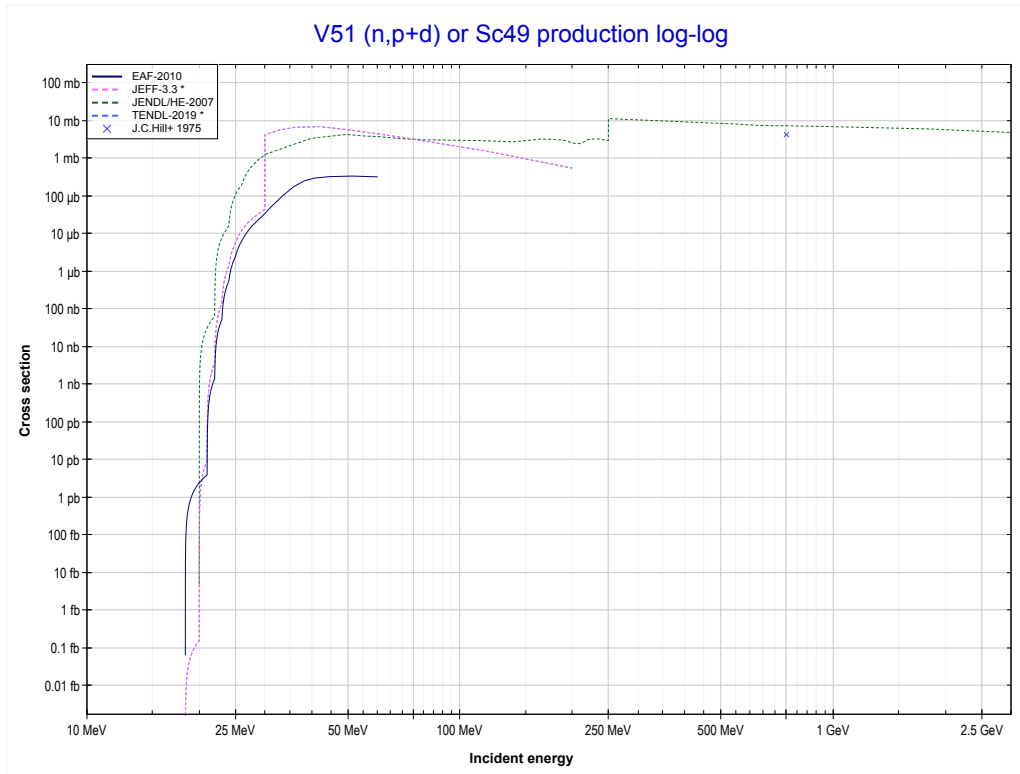
| Reaction | Q-Value |
|---------------|---------------|
| V51(n,2p)Sc50 | -14163.42 keV |

| | | |
|-----------------|---|------------------|
| << 6-C-12 | 23-V-51 | 25-Mn-55 >> |
| << MT111 (n,2p) | MT112 (n,p+α) or MT5 (Ca47 production) | MT115 (n,p+d) >> |



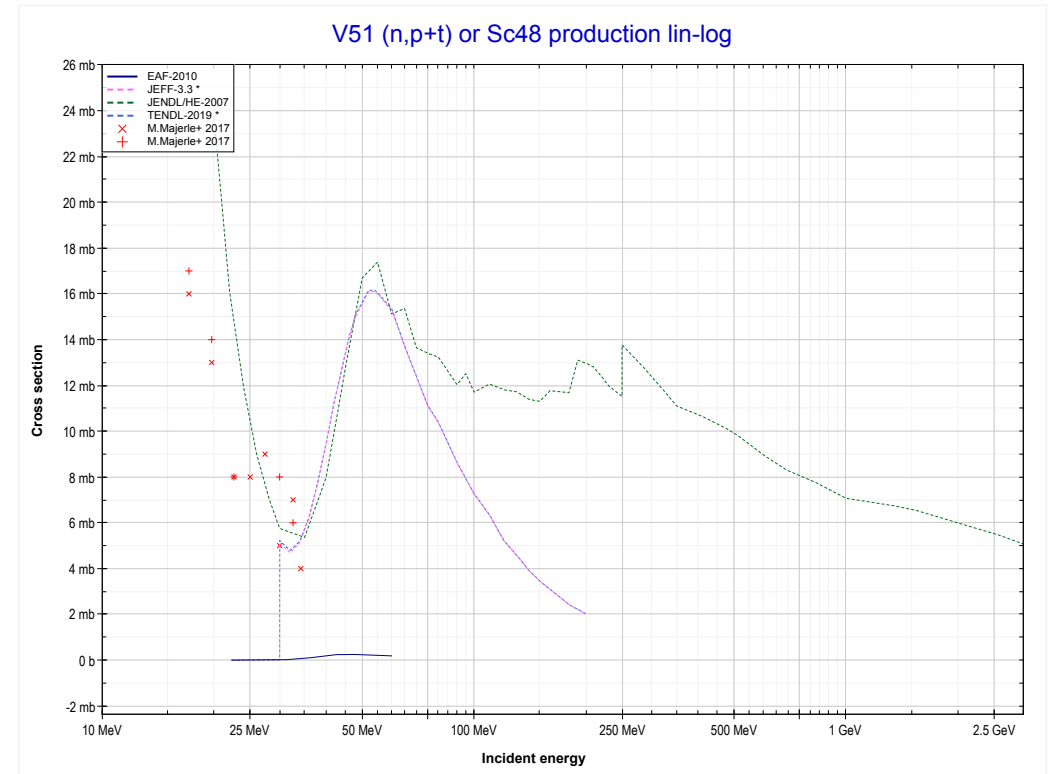
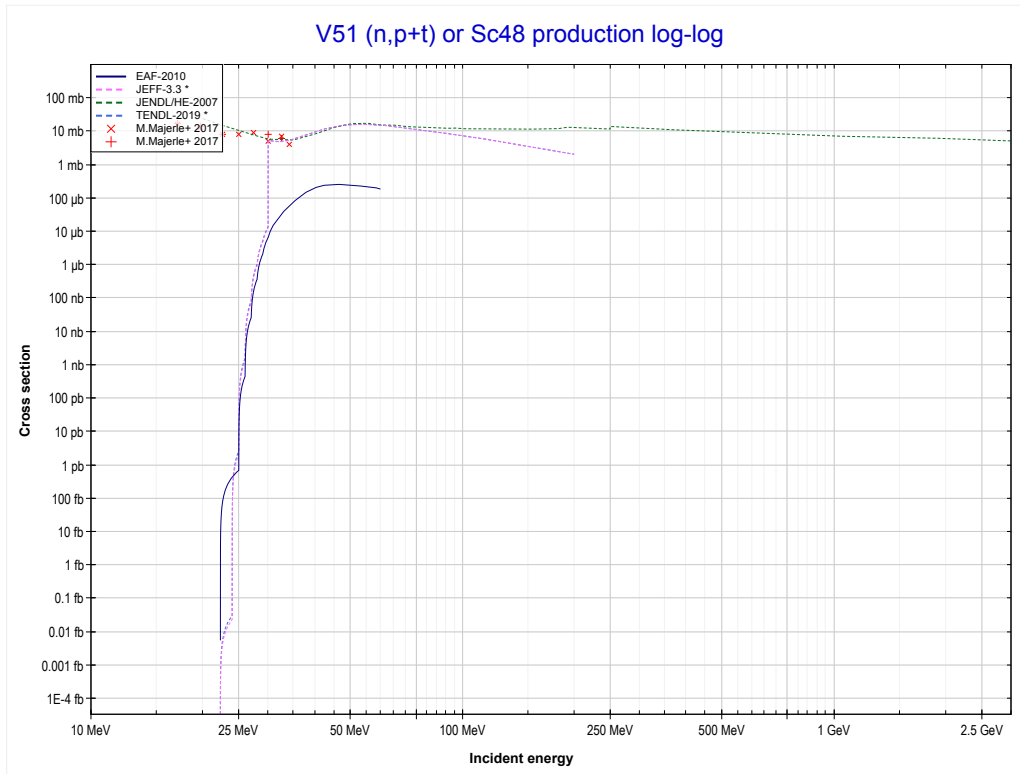
| Reaction | Q-Value |
|--------------------|---------------|
| V51(n,p+α)Ca47 | -11501.97 keV |
| V51(n,d+He3)Ca47 | -29855.02 keV |
| V51(n,2p+t)Ca47 | -31315.83 keV |
| V51(n,n+p+He3)Ca47 | -32079.59 keV |
| V51(n,p+2d)Ca47 | -35348.50 keV |
| V51(n,n+2p+d)Ca47 | -37573.06 keV |
| V51(n,2n+3p)Ca47 | -39797.63 keV |

| | | |
|------------------|---|------------------|
| << 21-Sc-45 | 23-V-51 | 33-As-75 >> |
| << MT112 (n,p+α) | MT115 (n,p+d) or MT5 (Sc49 production) | MT116 (n,p+t) >> |



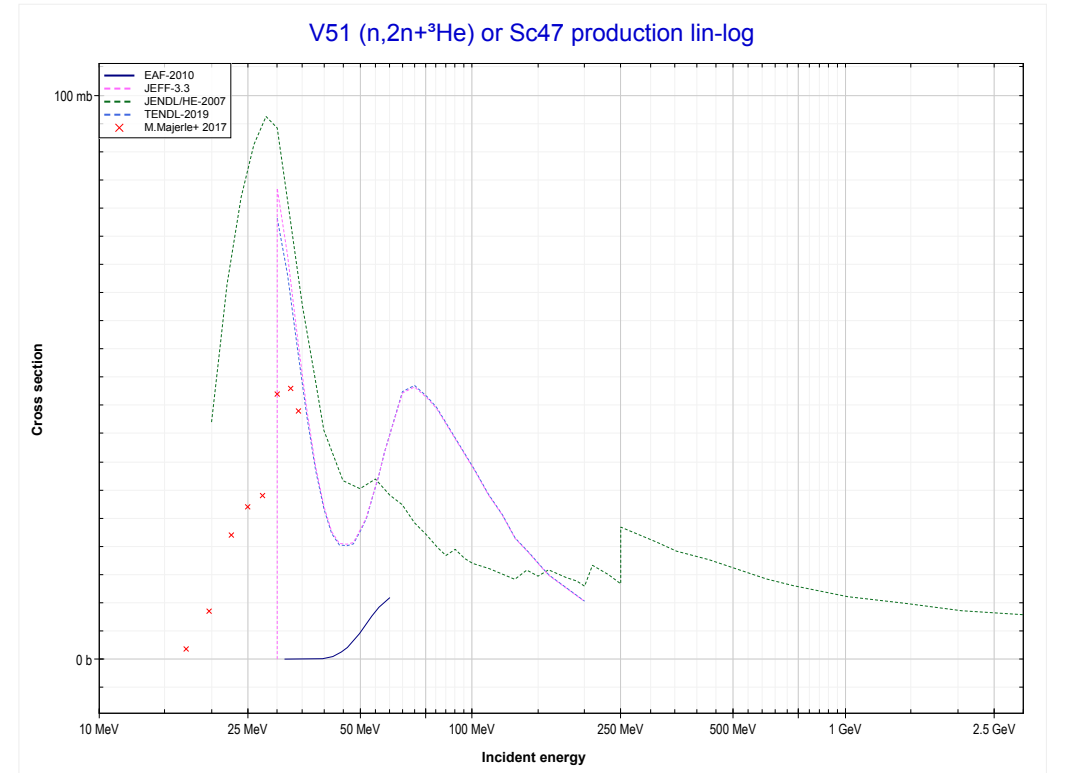
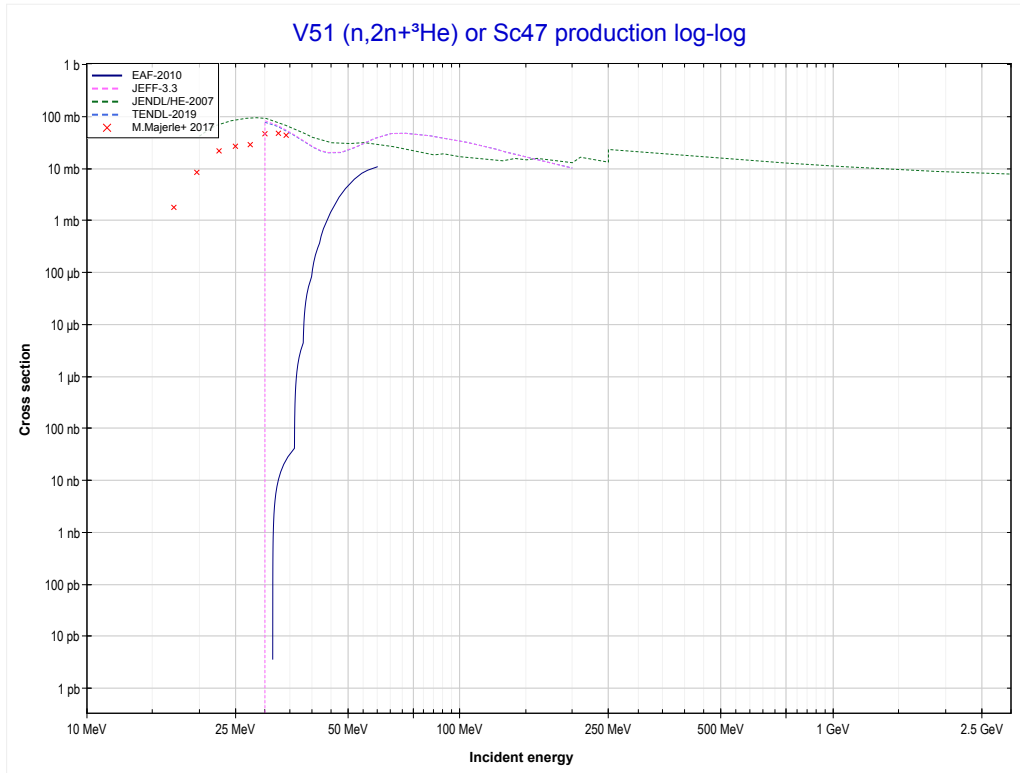
| Reaction | Q-Value |
|-----------------|---------------|
| V51(n,He3)Sc49 | -12502.40 keV |
| V51(n,p+d)Sc49 | -17995.88 keV |
| V51(n,n+2p)Sc49 | -20220.44 keV |

| | | |
|------------------|---|----------------------------------|
| << 13-AI-27 | 23-V-51 | 27-Co-59 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Sc48 production) | MT176 (n,2n+ ³ He) >> |



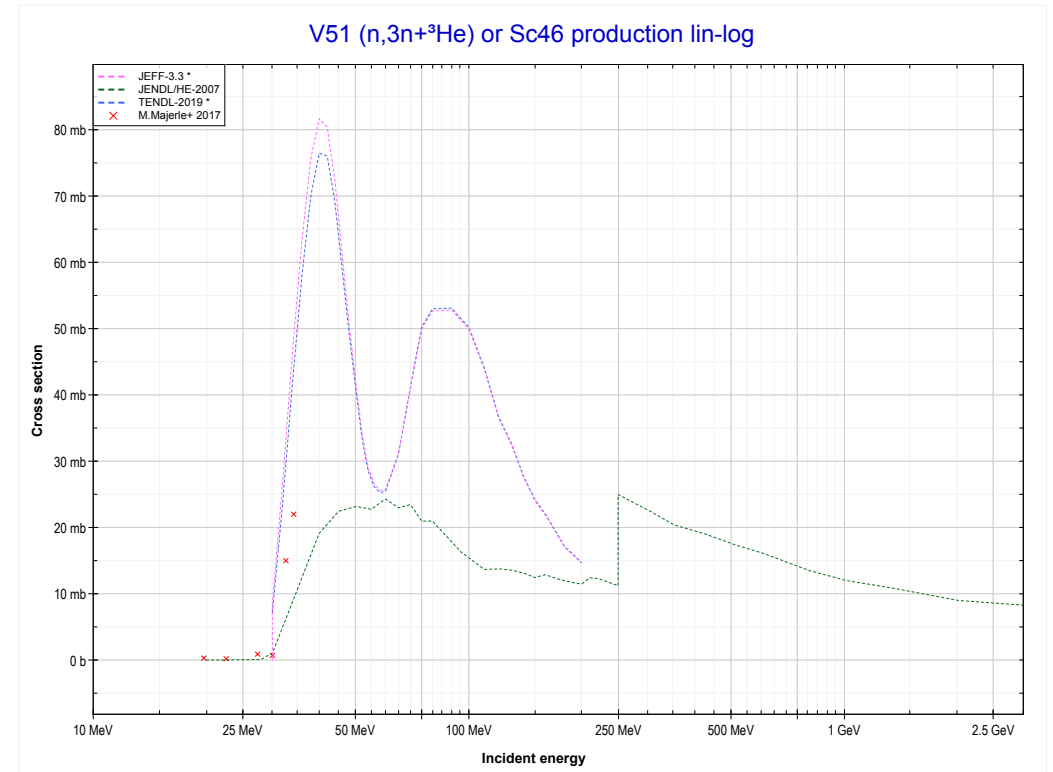
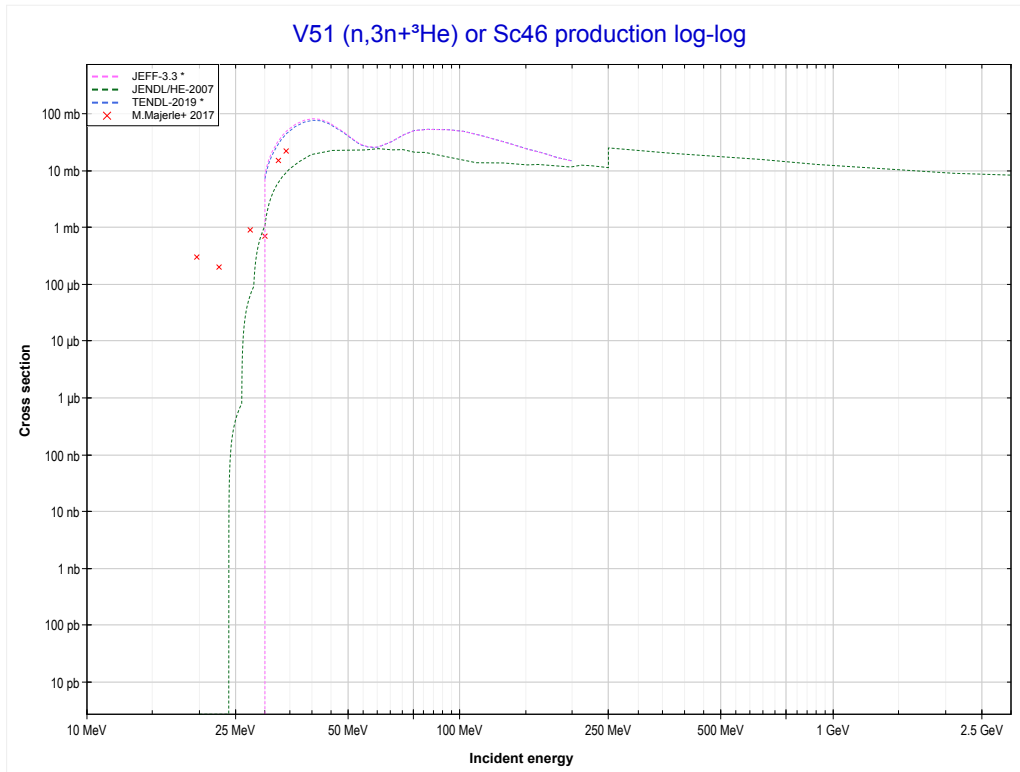
| Reaction | Q-Value |
|-----------------------|---------------|
| V51(n, α)Sc48 | -2053.40 keV |
| V51(n,p+t)Sc48 | -21867.26 keV |
| V51(n,n+He3)Sc48 | -22631.02 keV |
| V51(n,2d)Sc48 | -25899.93 keV |
| V51(n,n+p+d)Sc48 | -28124.49 keV |
| V51(n,2n+2p)Sc48 | -30349.06 keV |

| | | |
|------------------|---|----------------------------------|
| | 23-V-51 | 92-U-238 >> |
| << MT116 (n,p+t) | MT176 (n,2n+³He) or MT5 (Sc47 production) | MT177 (n,3n+ ³ He) >> |



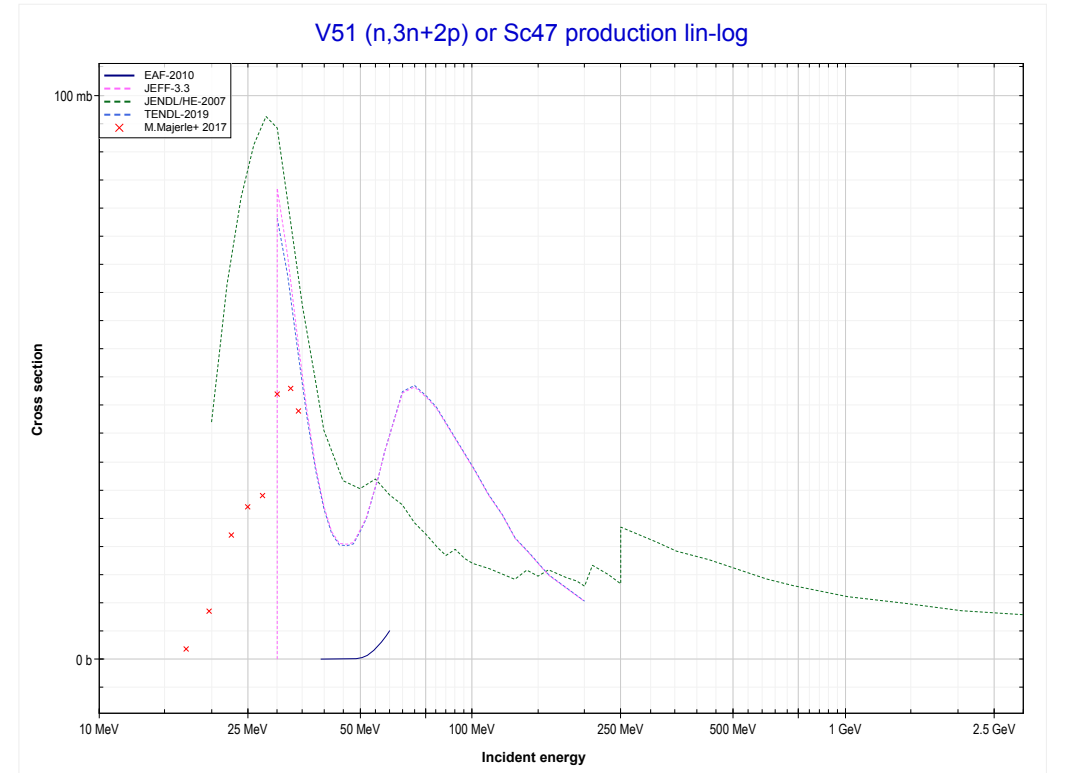
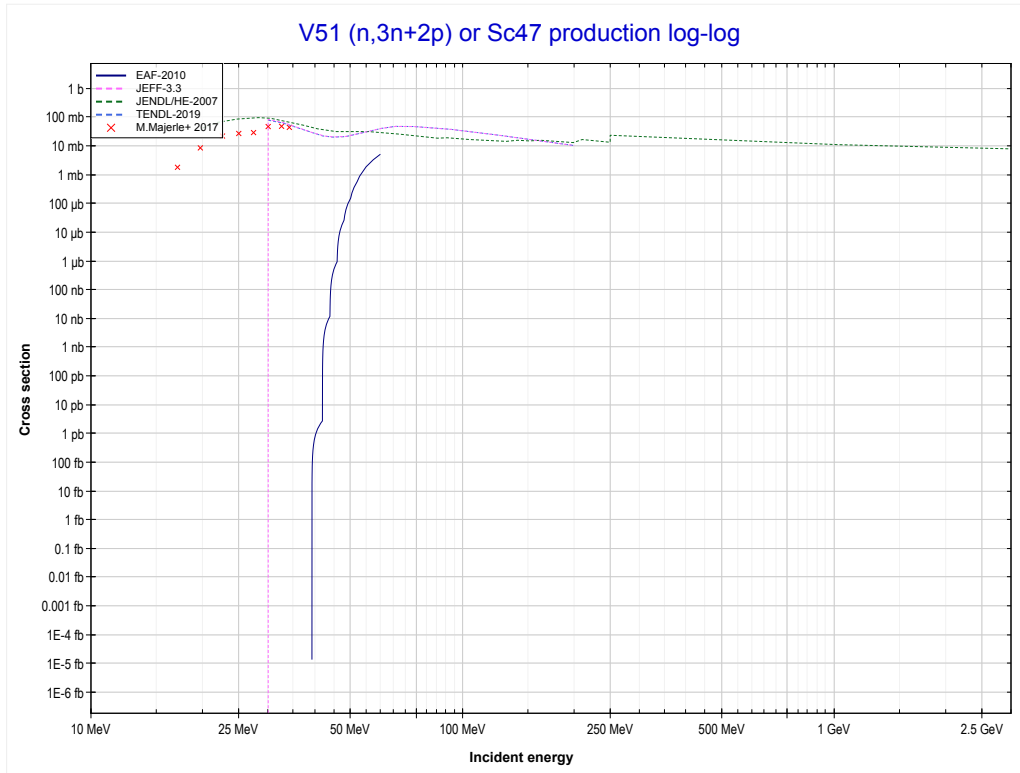
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,n+α)Sc47 | -10292.12 keV |
| V51(n,d+t)Sc47 | -27881.41 keV |
| V51(n,n+p+t)Sc47 | -30105.98 keV |
| V51(n,2n+He3)Sc47 | -30869.73 keV |
| V51(n,n+2d)Sc47 | -34138.64 keV |
| V51(n,2n+p+d)Sc47 | -36363.21 keV |
| V51(n,3n+2p)Sc47 | -38587.78 keV |

| | | |
|----------------------------------|---|--------------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT176 (n,2n+ ³ He) | MT177 (n,3n+³He) or MT5 (Sc46 production) | MT179 (n,3n+2p) >> |



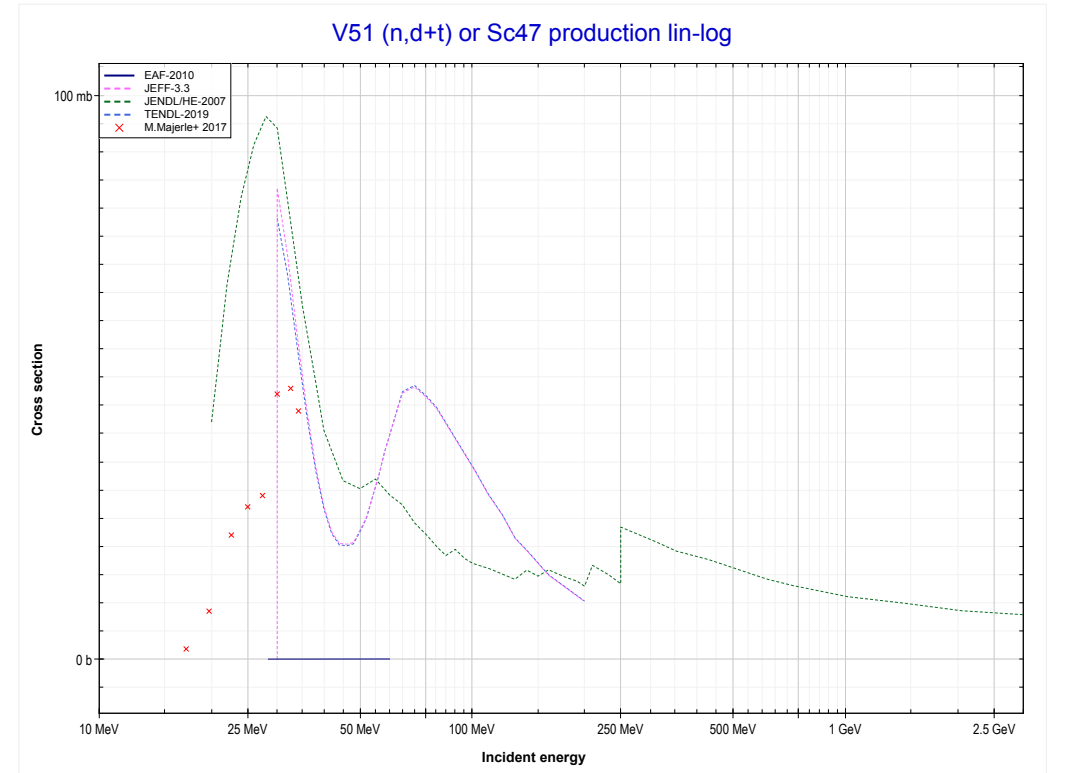
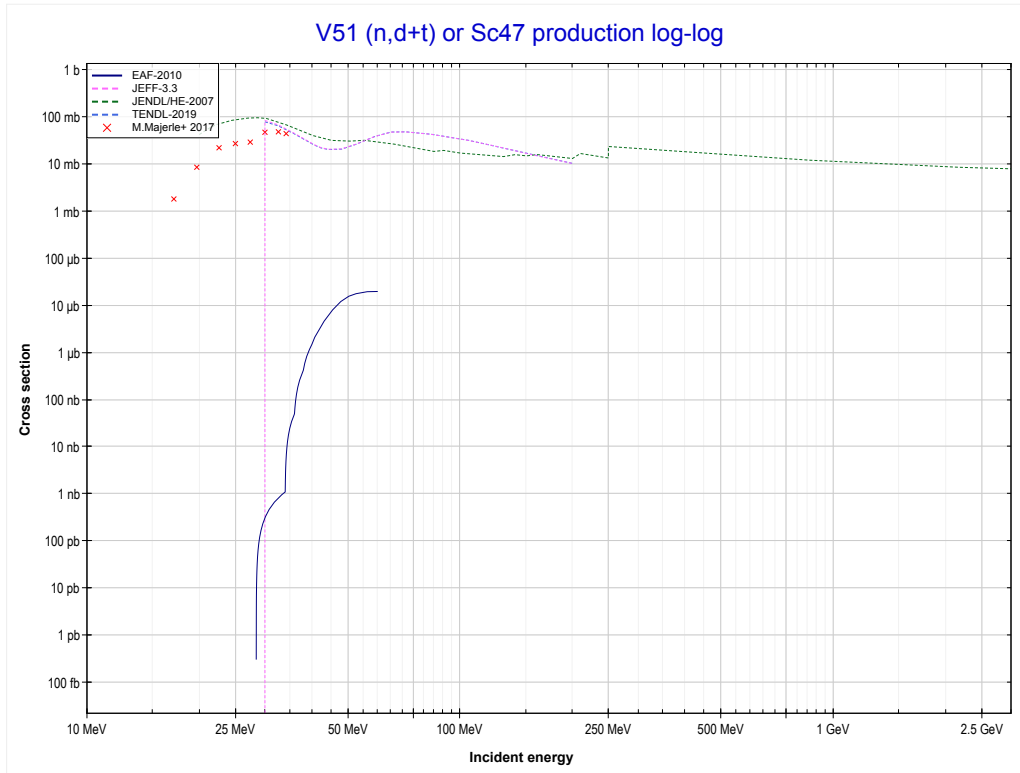
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,2n+α)Sc46 | -20938.83 keV |
| V51(n,2t)Sc46 | -32270.90 keV |
| V51(n,n+d+t)Sc46 | -38528.13 keV |
| V51(n,2n+p+t)Sc46 | -40752.70 keV |
| V51(n,3n+He3)Sc46 | -41516.45 keV |
| V51(n,2n+2d)Sc46 | -44785.36 keV |
| V51(n,3n+p+d)Sc46 | -47009.93 keV |
| V51(n,4n+2p)Sc46 | -49234.49 keV |

| | | |
|----------------------------------|---|------------------|
| | 23-V-51 | 92-U-238 >> |
| << MT177 (n,3n+ ³ He) | MT179 (n,3n+2p) or MT5 (Sc47 production) | MT182 (n,d+t) >> |



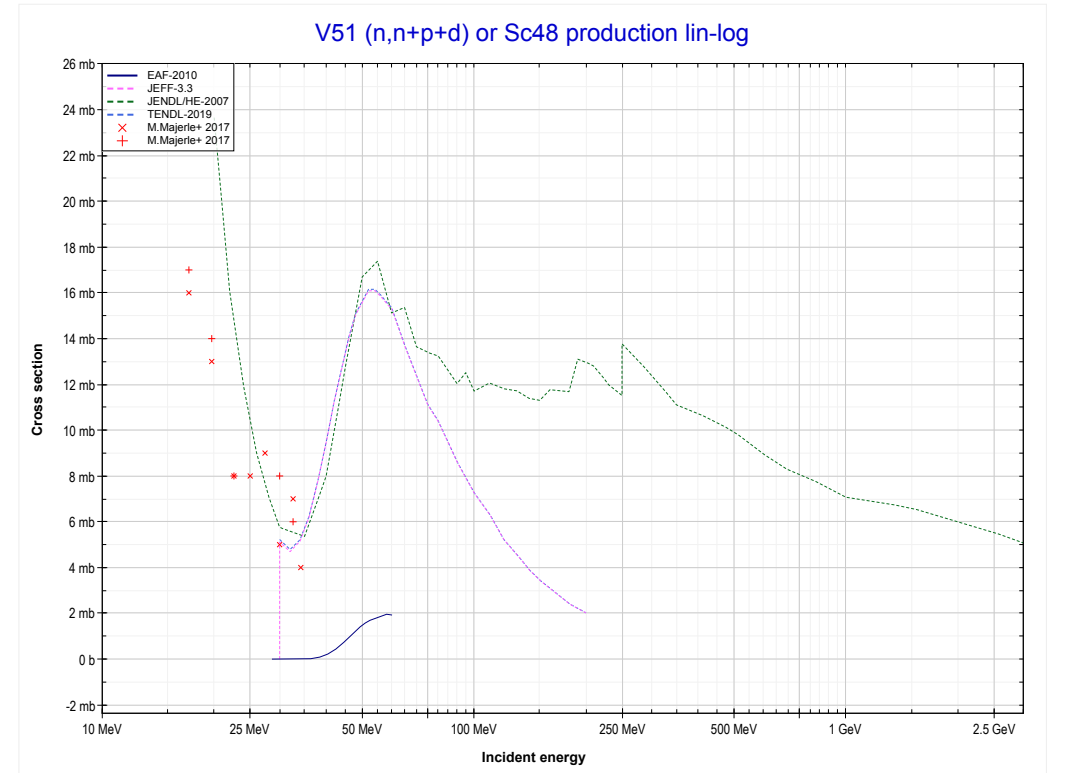
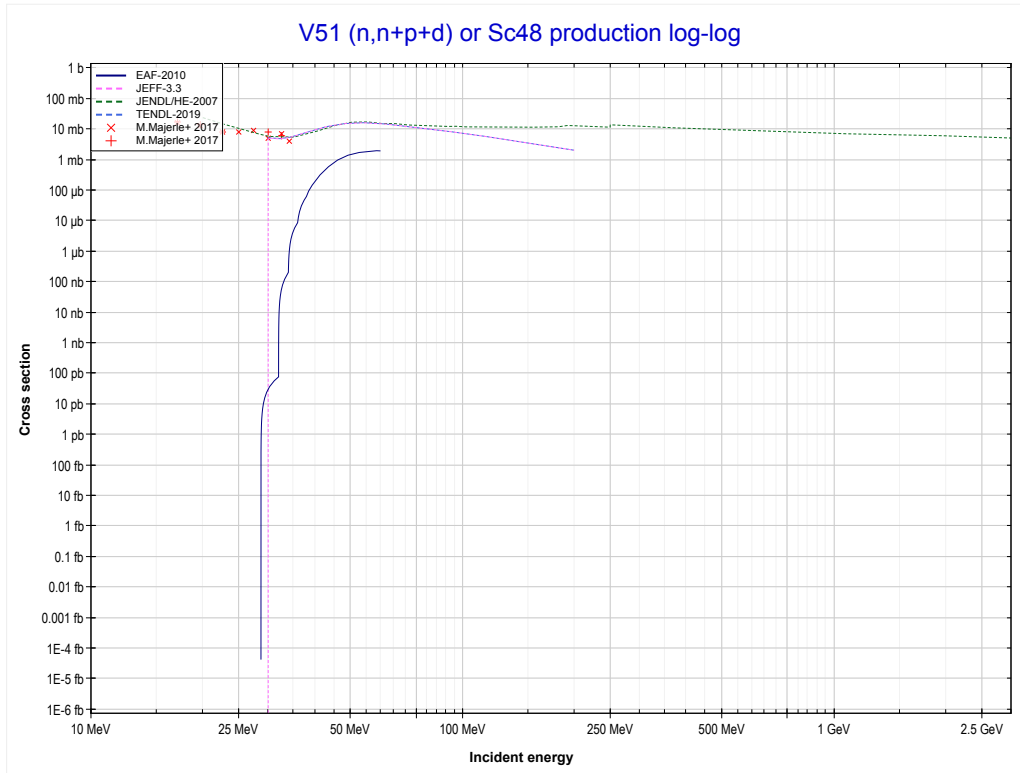
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,n+α)Sc47 | -10292.12 keV |
| V51(n,d+t)Sc47 | -27881.41 keV |
| V51(n,n+p+t)Sc47 | -30105.98 keV |
| V51(n,2n+He3)Sc47 | -30869.73 keV |
| V51(n,n+2d)Sc47 | -34138.64 keV |
| V51(n,2n+p+d)Sc47 | -36363.21 keV |
| V51(n,3n+2p)Sc47 | -38587.78 keV |

| | | |
|--------------------|---|--------------------|
| | 23-V-51 | 92-U-238 >> |
| << MT179 (n,3n+2p) | MT182 (n,d+t) or MT5 (Sc47 production) | MT183 (n,n+p+d) >> |



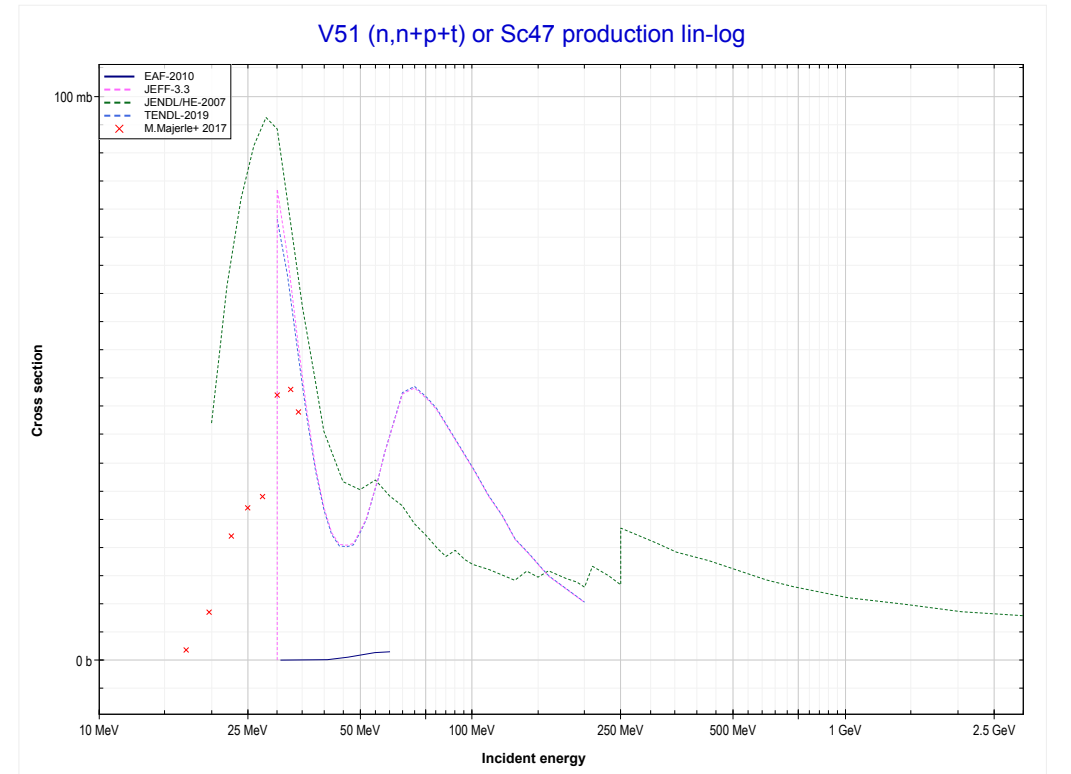
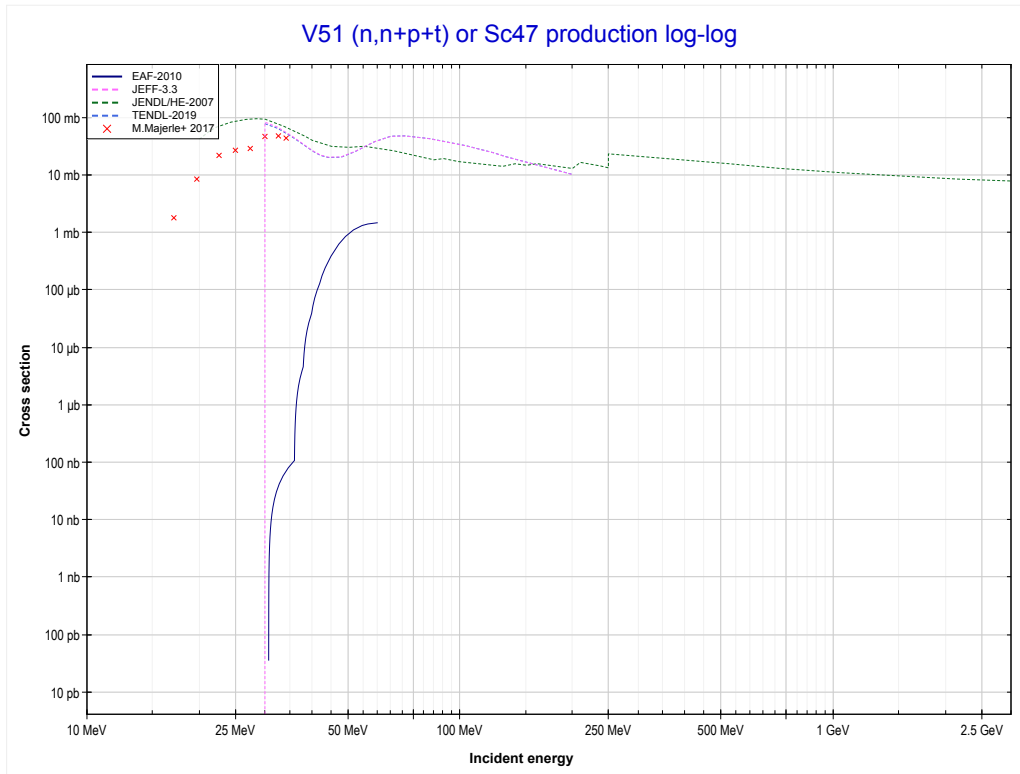
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,n+α)Sc47 | -10292.12 keV |
| V51(n,d+t)Sc47 | -27881.41 keV |
| V51(n,n+p+t)Sc47 | -30105.98 keV |
| V51(n,2n+He3)Sc47 | -30869.73 keV |
| V51(n,n+2d)Sc47 | -34138.64 keV |
| V51(n,2n+p+d)Sc47 | -36363.21 keV |
| V51(n,3n+2p)Sc47 | -38587.78 keV |

| | | |
|------------------|---|--------------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT182 (n,d+t) | MT183 (n,n+p+d) or MT5 (Sc48 production) | MT184 (n,n+p+t) >> |



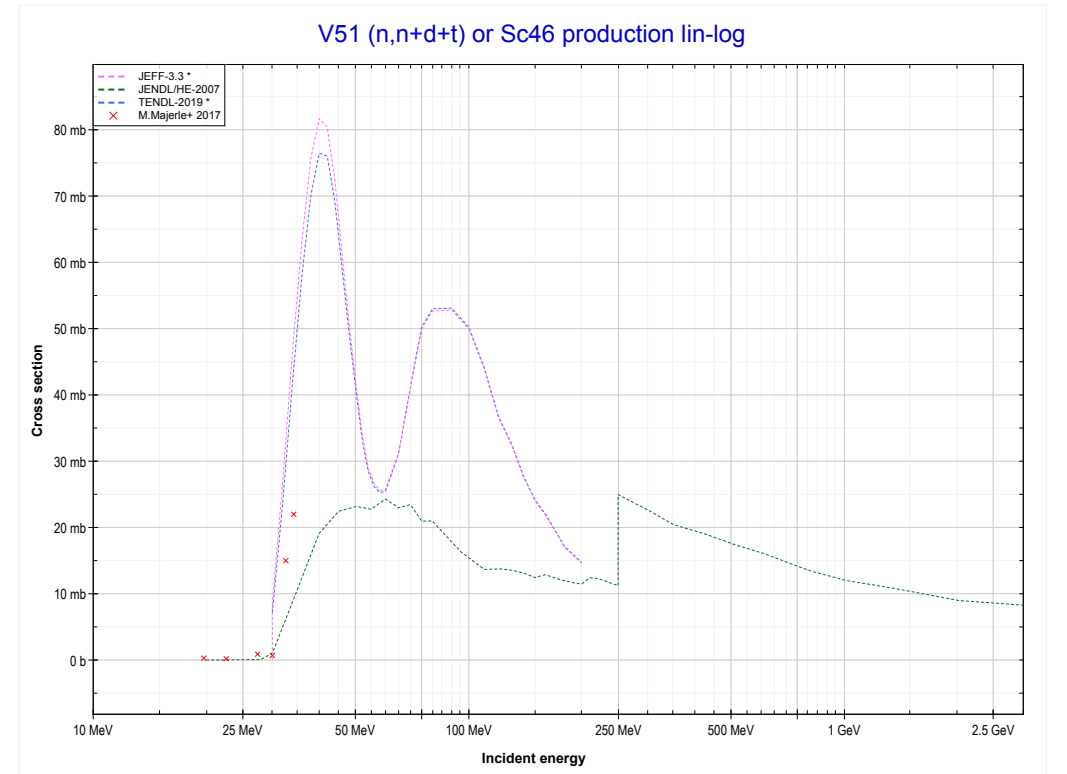
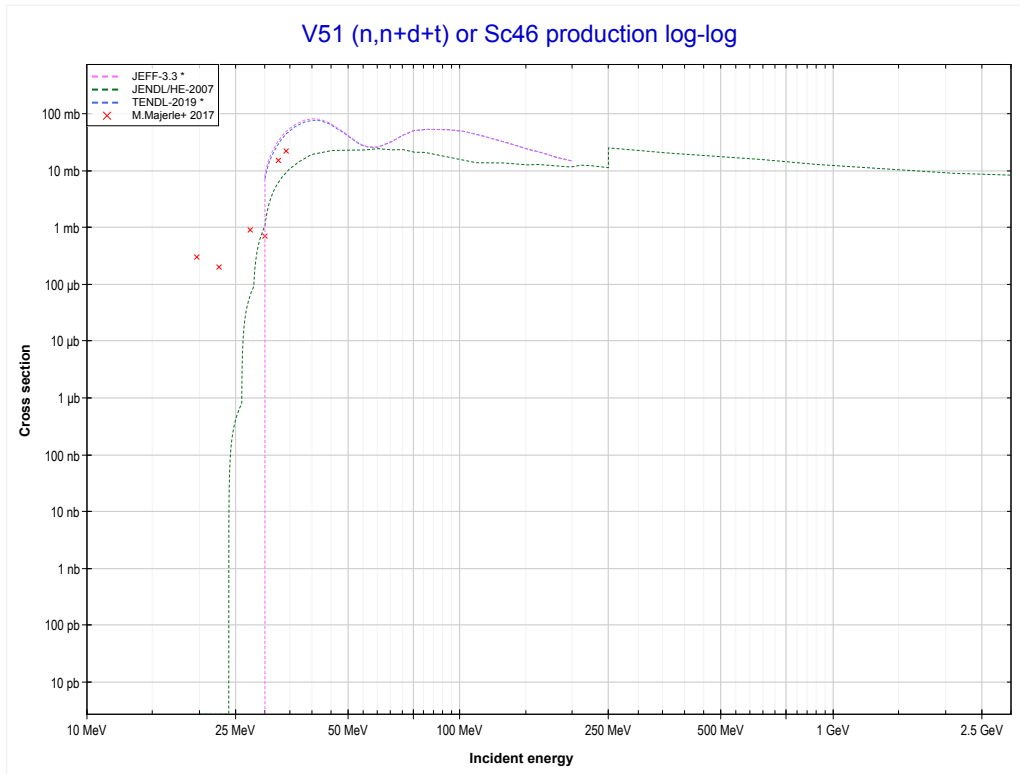
| Reaction | Q-Value |
|-----------------------|---------------|
| V51(n, α)Sc48 | -2053.40 keV |
| V51(n,p+t)Sc48 | -21867.26 keV |
| V51(n,n+He3)Sc48 | -22631.02 keV |
| V51(n,2d)Sc48 | -25899.93 keV |
| V51(n,n+p+d)Sc48 | -28124.49 keV |
| V51(n,2n+2p)Sc48 | -30349.06 keV |

| | | |
|--------------------|---|--------------------|
| | 23-V-51 | 92-U-238 >> |
| << MT183 (n,n+p+d) | MT184 (n,n+p+t) or MT5 (Sc47 production) | MT185 (n,n+d+t) >> |



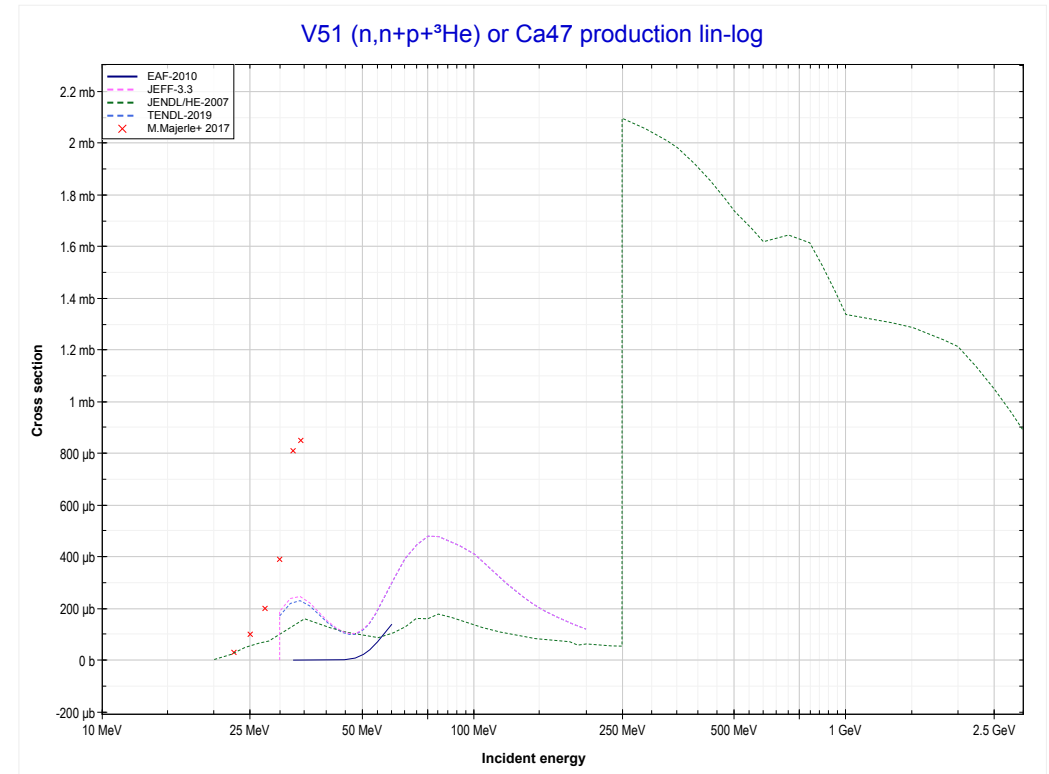
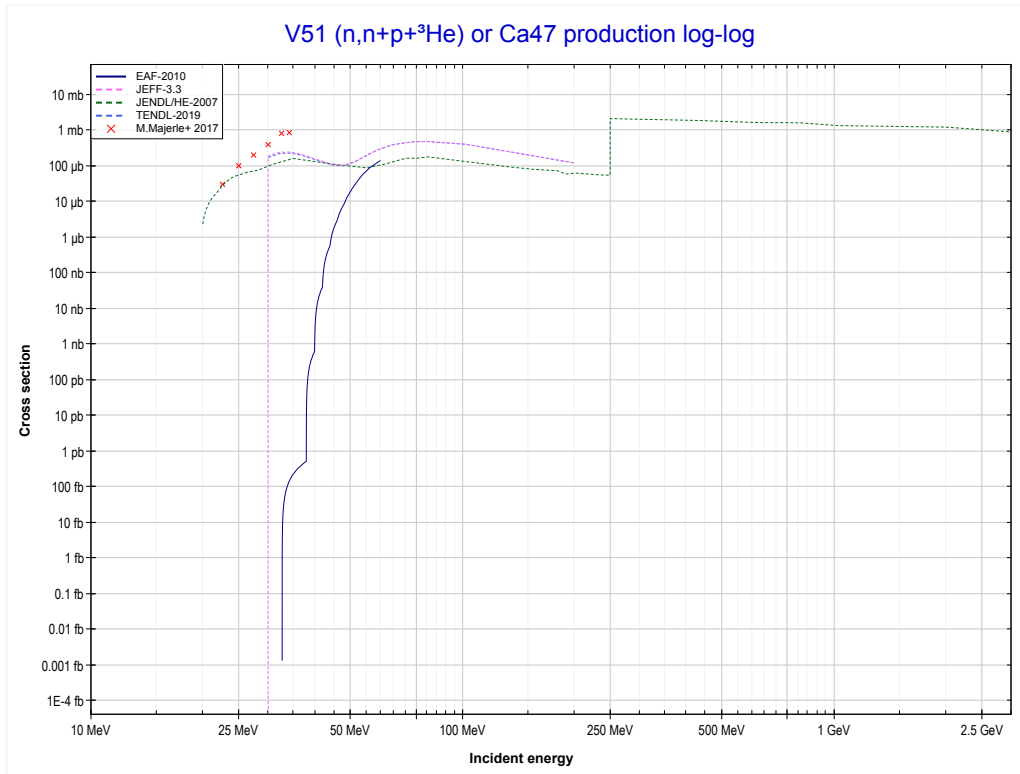
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,n+α)Sc47 | -10292.12 keV |
| V51(n,d+t)Sc47 | -27881.41 keV |
| V51(n,n+p+t)Sc47 | -30105.98 keV |
| V51(n,2n+He3)Sc47 | -30869.73 keV |
| V51(n,n+2d)Sc47 | -34138.64 keV |
| V51(n,2n+p+d)Sc47 | -36363.21 keV |
| V51(n,3n+2p)Sc47 | -38587.78 keV |

| | | |
|--------------------|---|-----------------------------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT184 (n,n+p+t) | MT185 (n,n+d+t) or MT5 (Sc46 production) | MT186 (n,n+p+ ³ He) >> |



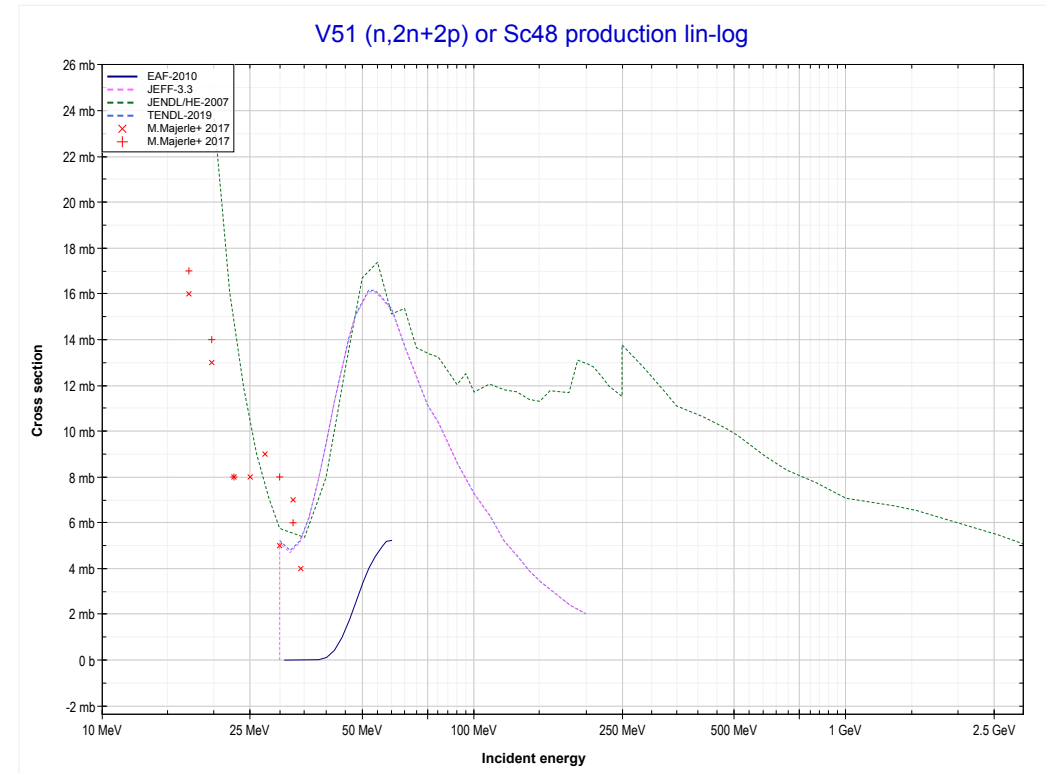
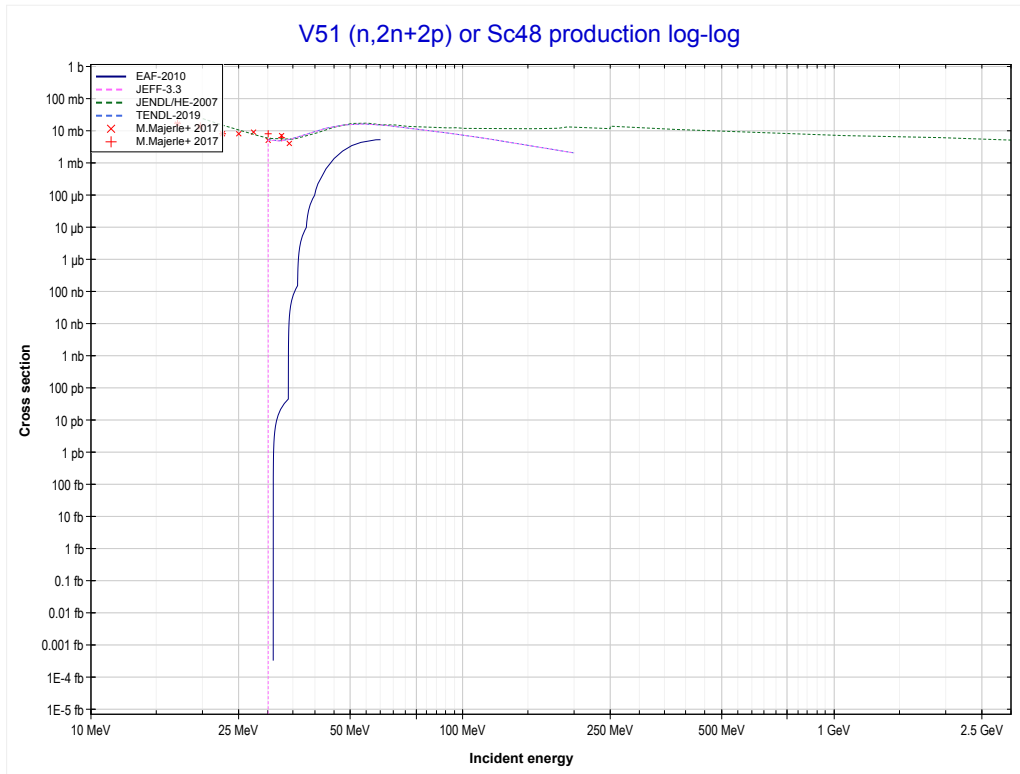
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,2n+α)Sc46 | -20938.83 keV |
| V51(n,2t)Sc46 | -32270.90 keV |
| V51(n,n+d+t)Sc46 | -38528.13 keV |
| V51(n,2n+p+t)Sc46 | -40752.70 keV |
| V51(n,3n+He3)Sc46 | -41516.45 keV |
| V51(n,2n+2d)Sc46 | -44785.36 keV |
| V51(n,3n+p+d)Sc46 | -47009.93 keV |
| V51(n,4n+2p)Sc46 | -49234.49 keV |

| | | |
|--------------------|--|--------------------|
| << 6-C-12 | 23-V-51 | 28-Ni-58 >> |
| << MT185 (n,n+d+t) | MT186 (n,n+p+³He) or MT5 (Ca47 production) | MT190 (n,2n+2p) >> |



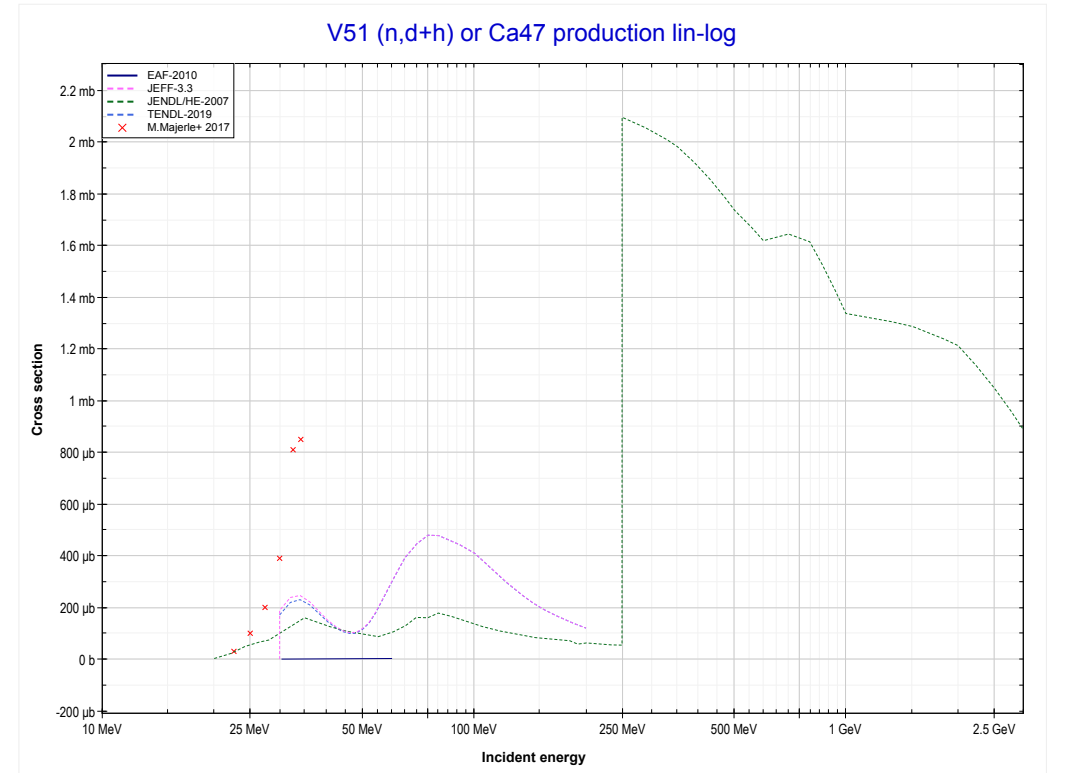
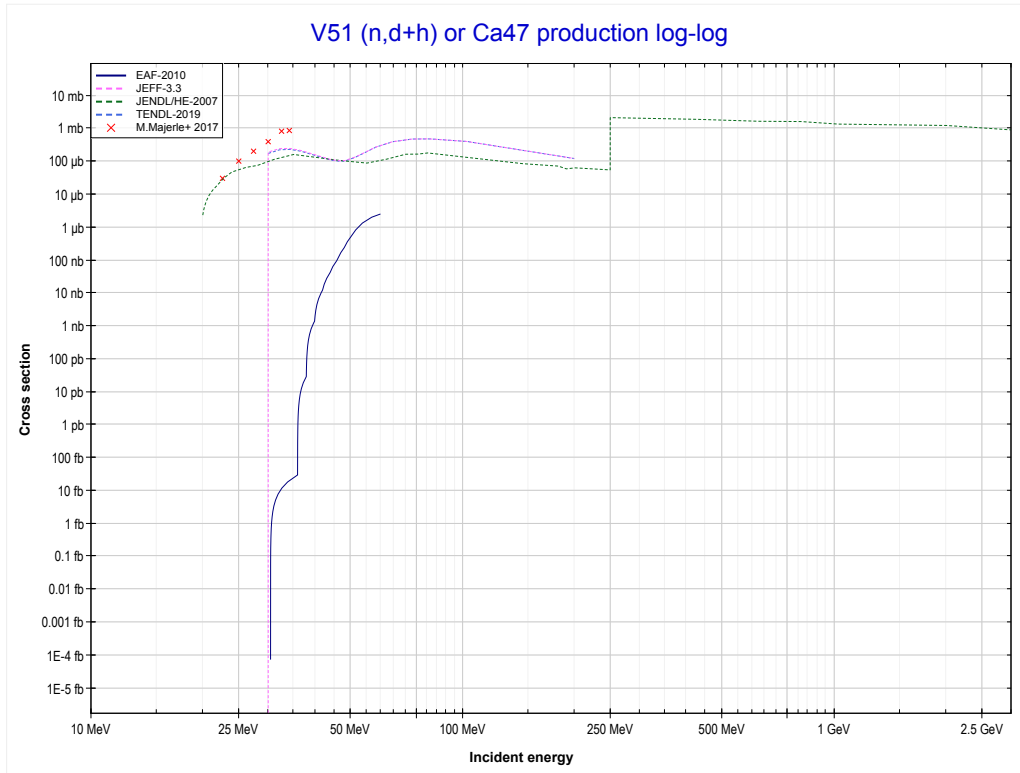
| Reaction | Q-Value |
|--------------------|---------------|
| V51(n,p+α)Ca47 | -11501.97 keV |
| V51(n,d+He3)Ca47 | -29855.02 keV |
| V51(n,2p+t)Ca47 | -31315.83 keV |
| V51(n,n+p+He3)Ca47 | -32079.59 keV |
| V51(n,p+2d)Ca47 | -35348.50 keV |
| V51(n,n+2p+d)Ca47 | -37573.06 keV |
| V51(n,2n+3p)Ca47 | -39797.63 keV |

| | | |
|-----------------------------------|---|---------------------------------|
| << 13-AI-27 | 23-V-51 | 27-Co-59 >> |
| << MT186 (n,n+p+ ³ He) | MT190 (n,2n+2p) or MT5 (Sc48 production) | MT192 (n,d+ ³ He) >> |



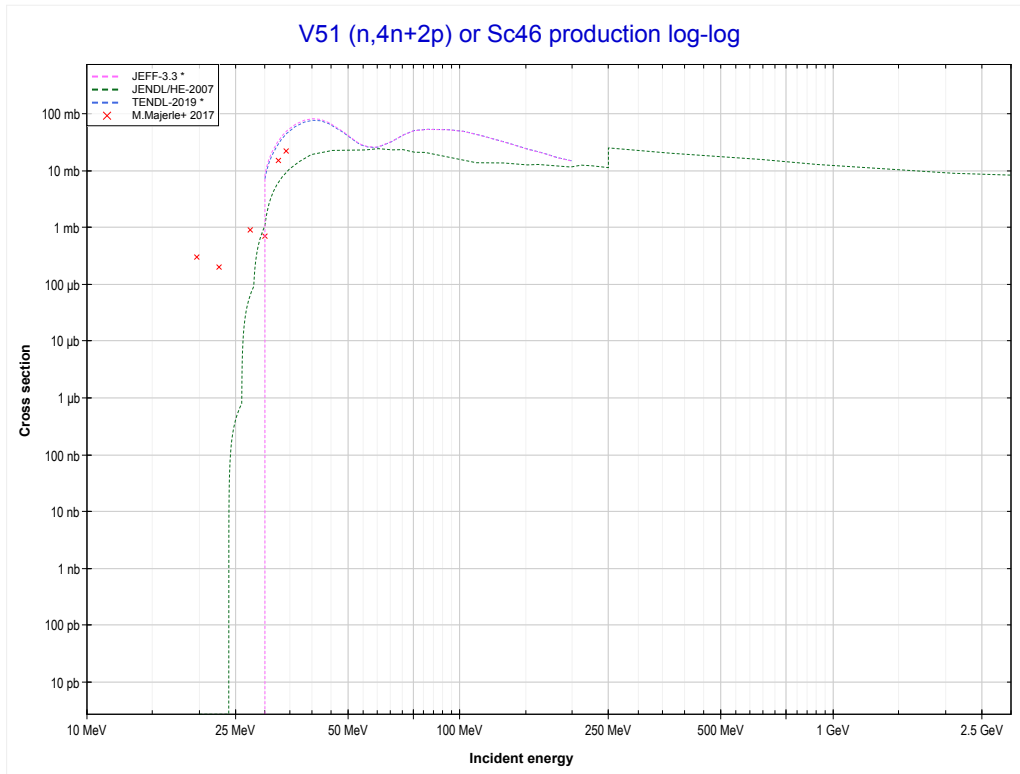
| Reaction | Q-Value |
|-----------------------|---------------|
| V51(n, α)Sc48 | -2053.40 keV |
| V51(n,p+t)Sc48 | -21867.26 keV |
| V51(n,n+He3)Sc48 | -22631.02 keV |
| V51(n,2d)Sc48 | -25899.93 keV |
| V51(n,n+p+d)Sc48 | -28124.49 keV |
| V51(n,2n+2p)Sc48 | -30349.06 keV |

| | | |
|--------------------|--|--------------------|
| << 6-C-12 | 23-V-51 | 28-Ni-58 >> |
| << MT190 (n,2n+2p) | MT192 (n,d+³He) or MT5 (Ca47 production) | MT194 (n,4n+2p) >> |



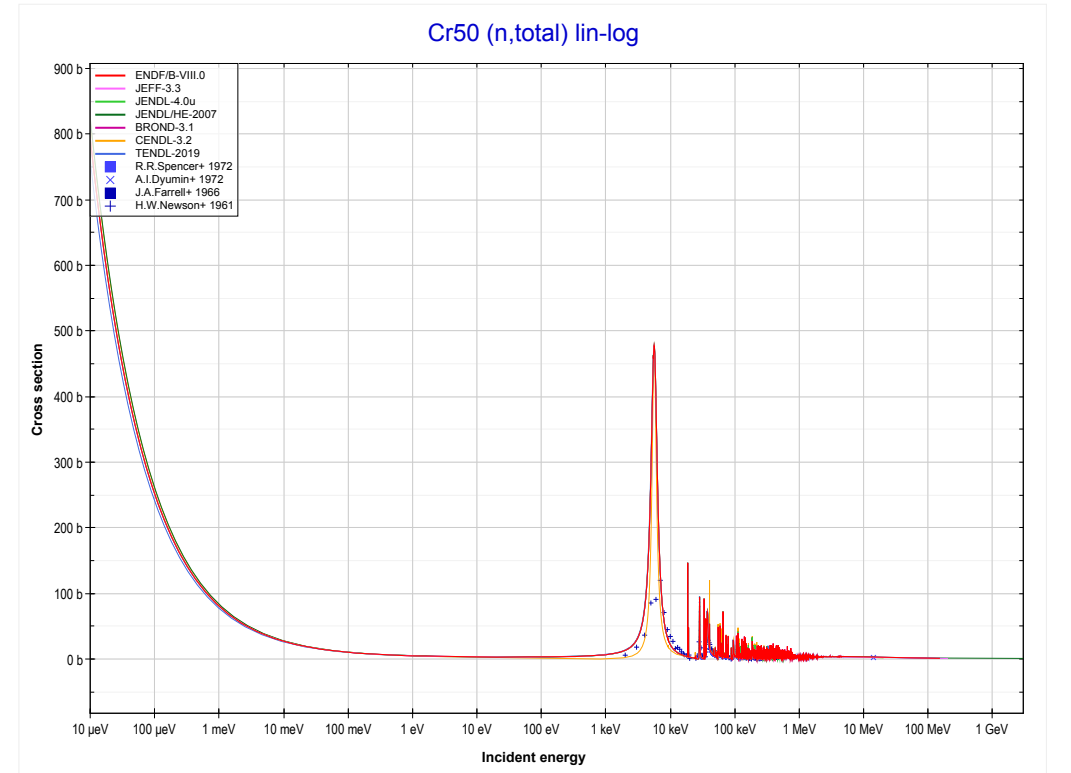
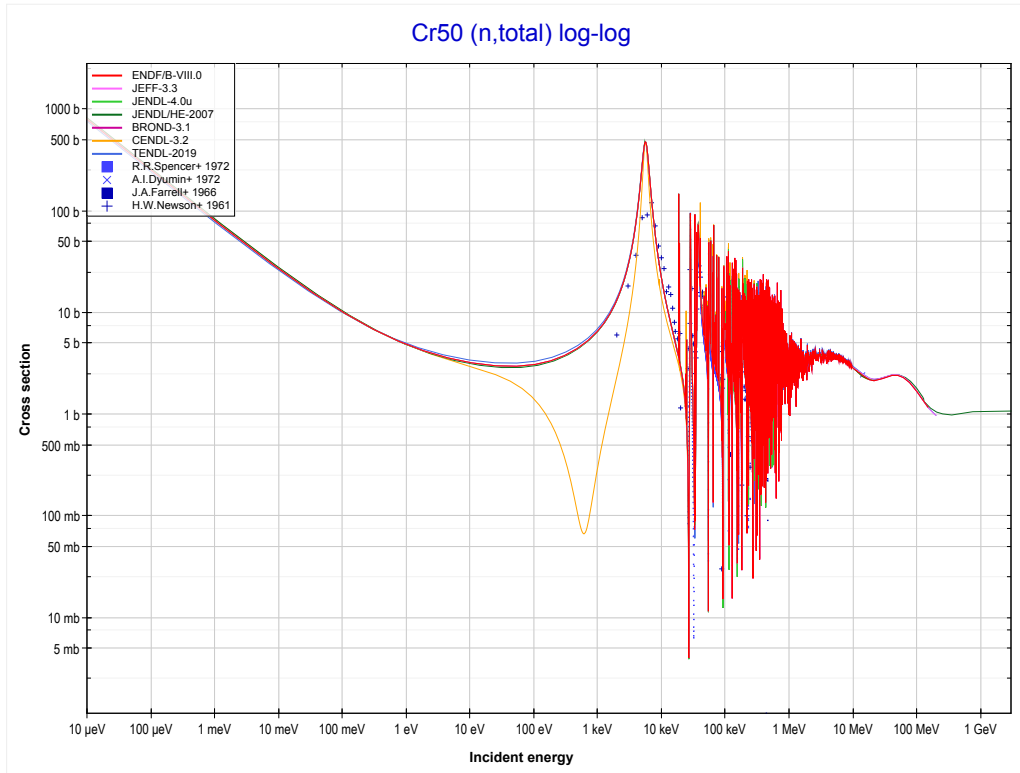
| Reaction | Q-Value |
|--------------------|---------------|
| V51(n,p+α)Ca47 | -11501.97 keV |
| V51(n,d+He3)Ca47 | -29855.02 keV |
| V51(n,2p+t)Ca47 | -31315.83 keV |
| V51(n,n+p+He3)Ca47 | -32079.59 keV |
| V51(n,p+2d)Ca47 | -35348.50 keV |
| V51(n,n+2p+d)Ca47 | -37573.06 keV |
| V51(n,2n+3p)Ca47 | -39797.63 keV |

| | | |
|---------------------------------|---|---------------------------|
| << 13-Al-27 | 23-V-51 | 27-Co-59 >> |
| << MT192 (n,d+ ³ He) | MT194 (n,4n+2p) or MT5 (Sc46 production) | 24-Cr-50 MT1 (n,total) >> |



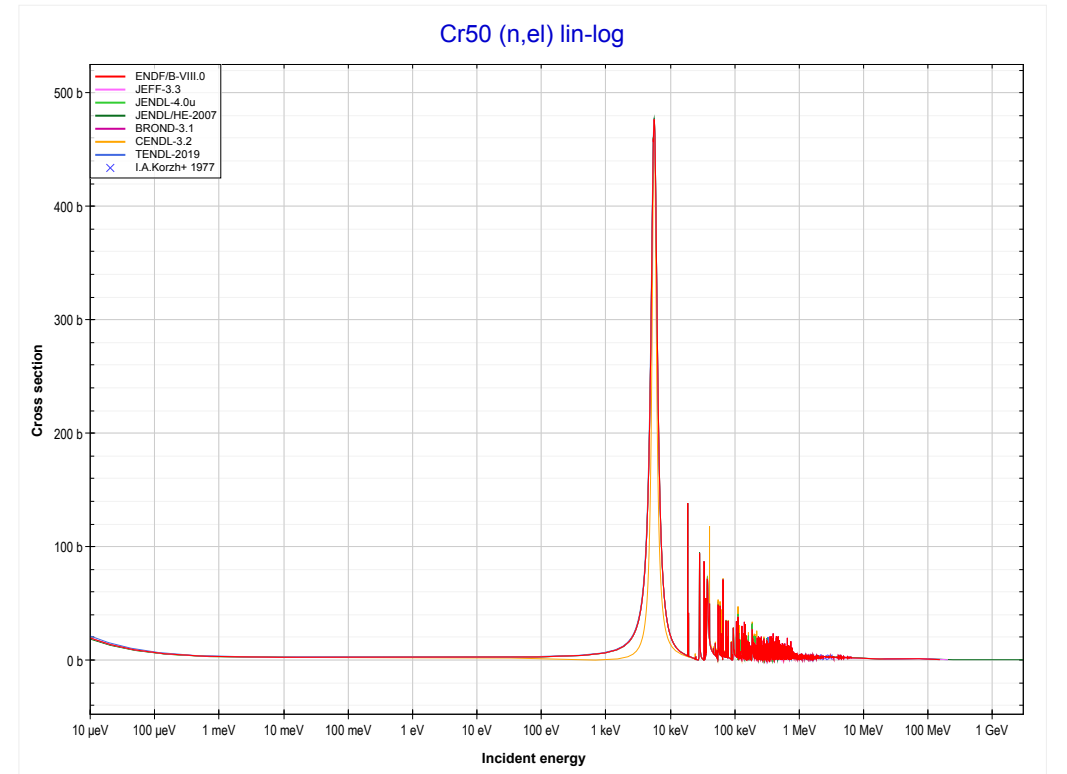
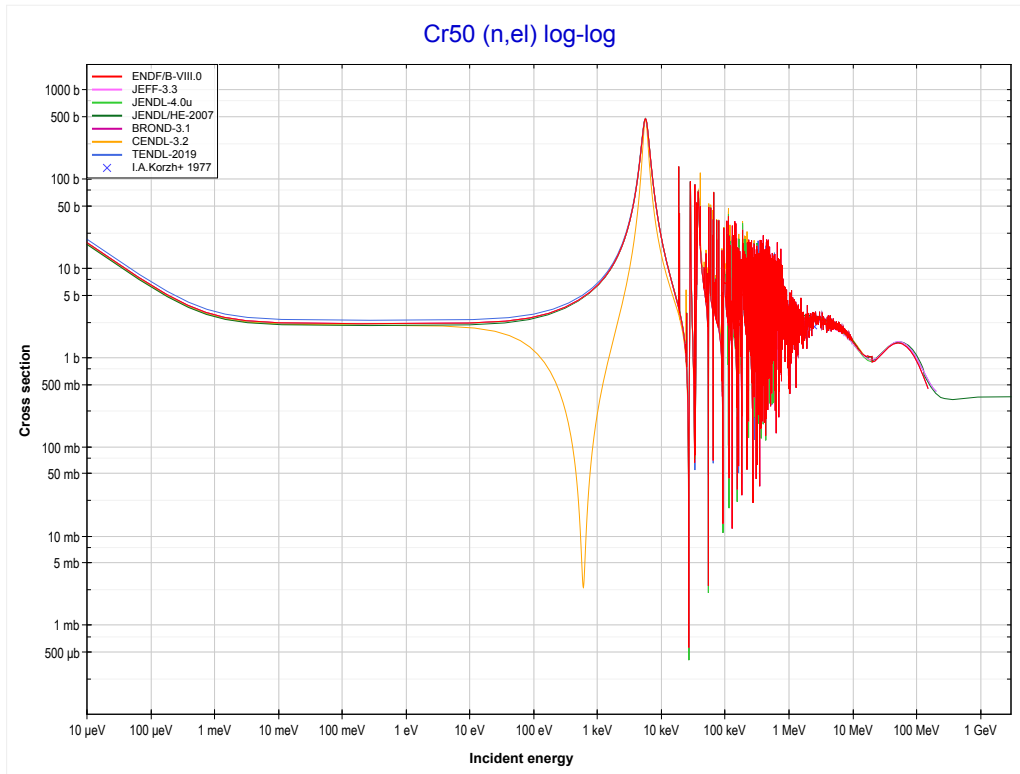
| Reaction | Q-Value |
|-------------------|---------------|
| V51(n,2n+α)Sc46 | -20938.83 keV |
| V51(n,2t)Sc46 | -32270.90 keV |
| V51(n,n+d+t)Sc46 | -38528.13 keV |
| V51(n,2n+p+t)Sc46 | -40752.70 keV |
| V51(n,3n+He3)Sc46 | -41516.45 keV |
| V51(n,2n+2d)Sc46 | -44785.36 keV |
| V51(n,3n+p+d)Sc46 | -47009.93 keV |
| V51(n,4n+2p)Sc46 | -49234.49 keV |

| | | |
|----------------------------|----------------------|--------------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << 23-V-51 MT194 (n,4n+2p) | MT1 (n,total) | MT2 (n,elastic) >> |



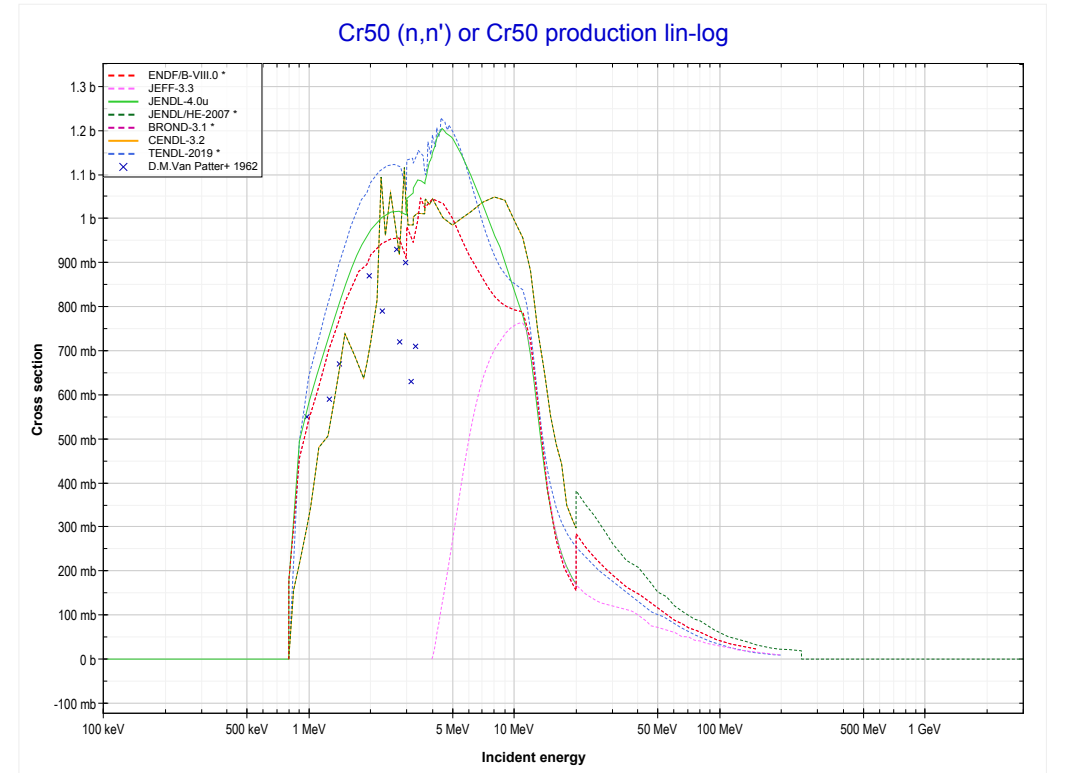
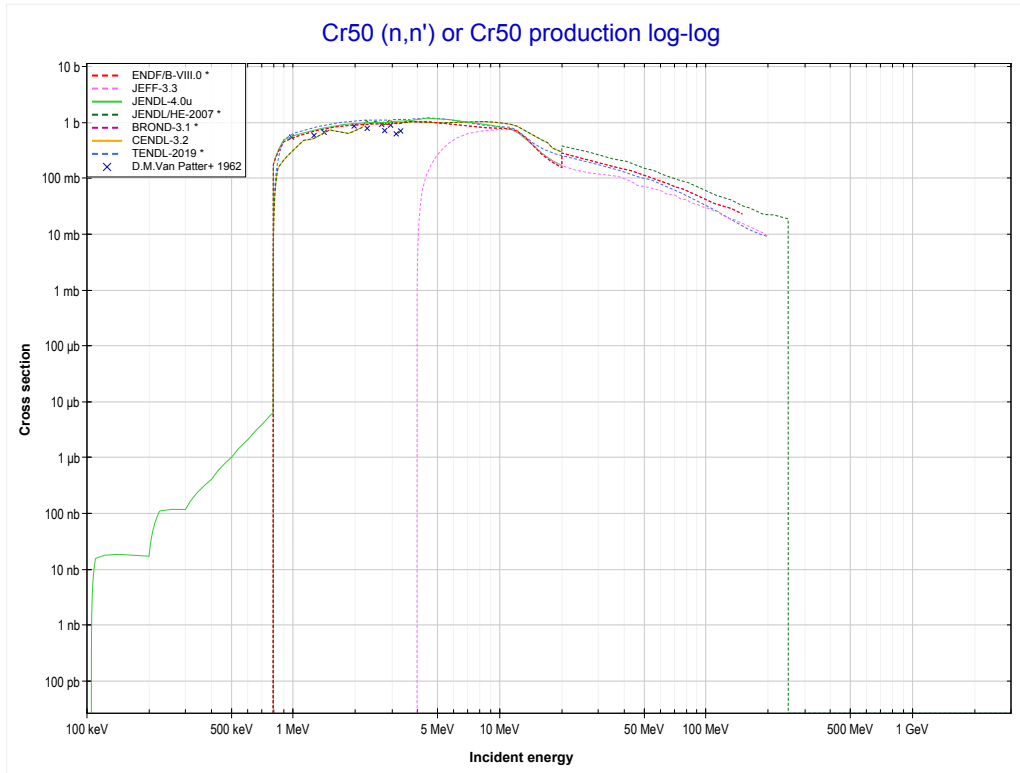
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 17.8264 b | 17.8264 b | 18.142 b | 1.01773 | 242.278 b | 3.60978 b | 2.41771 b |
| JEFF-3.3 | 17.8264 b | 17.8264 b | 18.142 b | 1.01773 | 242.281 b | 3.71687 b | 2.4827 b |
| JENDL-4.0u | 17.7844 b | 17.7844 b | 18.098 b | 1.01765 | 242.368 b | 3.66973 b | 2.43805 b |
| JENDL/HE-2007 | 18.3389 b | 18.3389 b | 18.636 b | 1.0162 | 241.806 b | 3.61742 b | 2.3479 b |
| BROND-3.1 | 17.8264 b | 17.8264 b | 18.142 b | 1.01773 | 242.278 b | 3.61021 b | 2.41771 b |
| CENDL-3.2 | 18.2643 b | 18.2643 b | 18.565 b | 1.01645 | 166.516 b | 3.65096 b | 2.3479 b |
| TENDL-2019 | 17.3371 b | 17.3371 b | 17.677 b | 1.01963 | 245.573 b | 3.73379 b | 2.5062 b |

| | | |
|------------------|------------------------|---------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



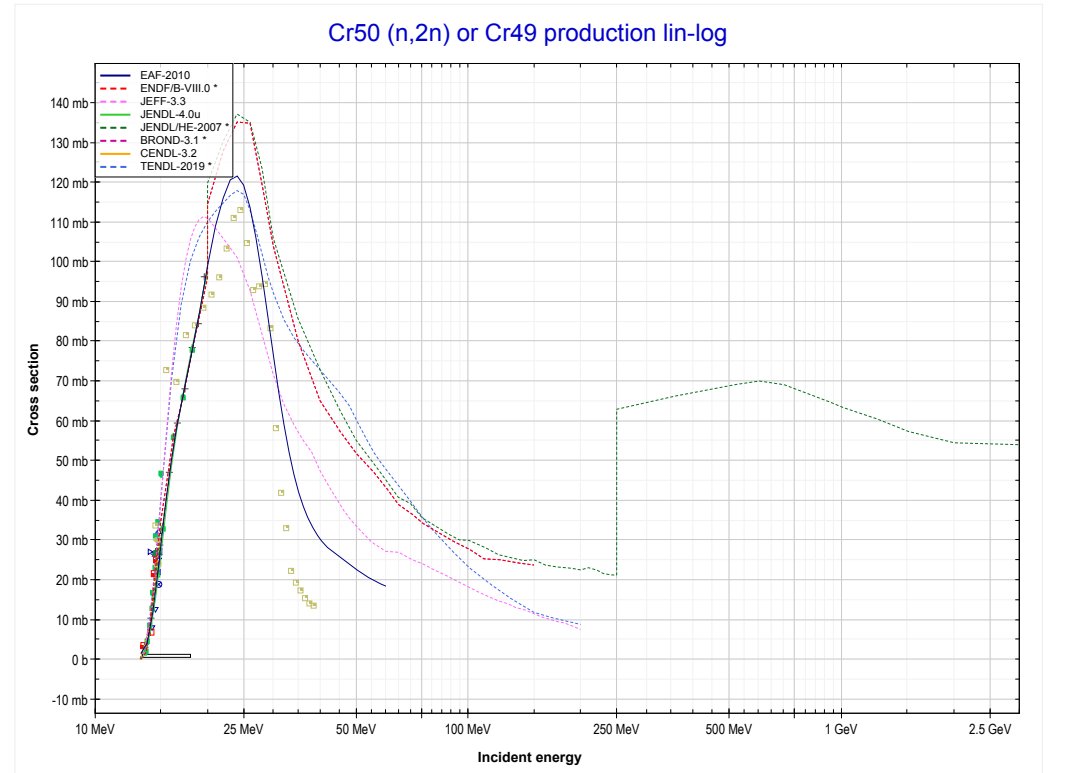
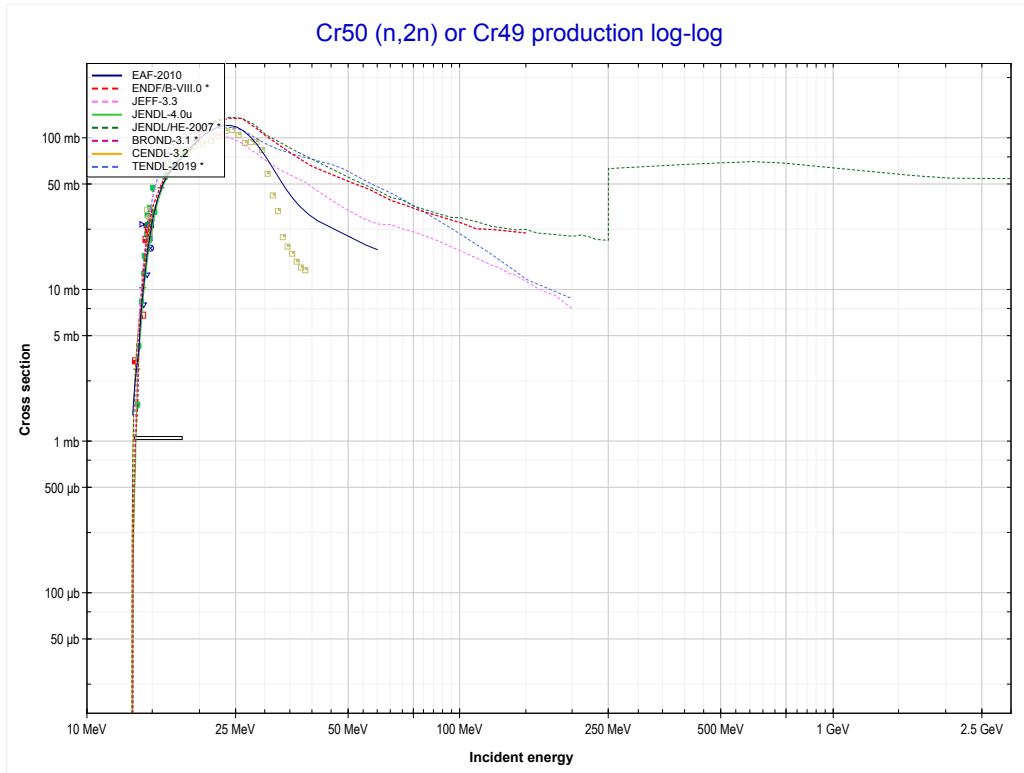
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.42175 b | 2.42175 b | 2.7327 b | 1.12839 | 235.052 b | 2.91563 b | 1.09865 b |
| JEFF-3.3 | 2.42175 b | 2.42175 b | 2.7327 b | 1.12839 | 235.055 b | 2.92426 b | 1.08972 b |
| JENDL-4.0u | 2.40458 b | 2.40458 b | 2.7133 b | 1.12839 | 235.151 b | 2.9398 b | 1.05941 b |
| JENDL/HE-2007 | 2.30699 b | 2.30699 b | 2.6033 b | 1.12845 | 234.315 b | 2.99906 b | 1.08817 b |
| BROND-3.1 | 2.42175 b | 2.42175 b | 2.7327 b | 1.12839 | 235.052 b | 2.91571 b | 1.09865 b |
| CENDL-3.2 | 2.33969 b | 2.33969 b | 2.6397 b | 1.12821 | 159.16 b | 3.01673 b | 1.12413 b |
| TENDL-2019 | 2.64443 b | 2.64443 b | 2.9841 b | 1.12845 | 238.661 b | 2.95165 b | 1.11741 b |

| | | |
|--------------------|--|----------------|
| << 22-Ti-49 | 24-Cr-50 | 24-Cr-52 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cr50 production) | MT16 (n,2n) >> |



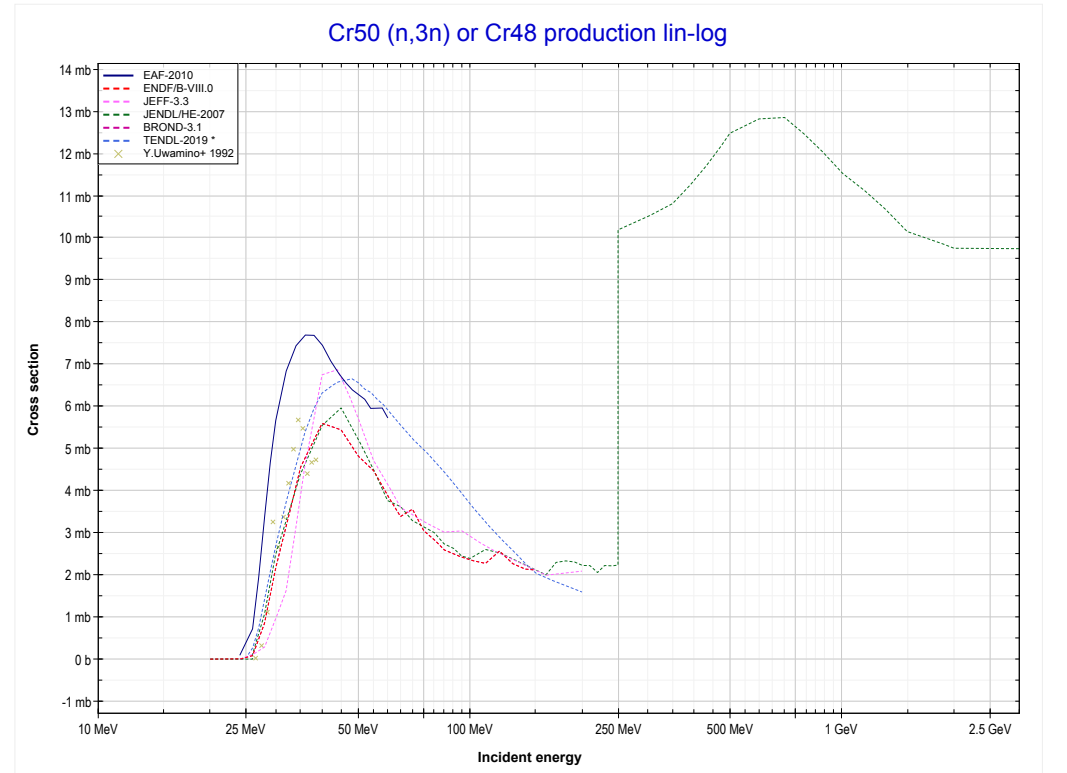
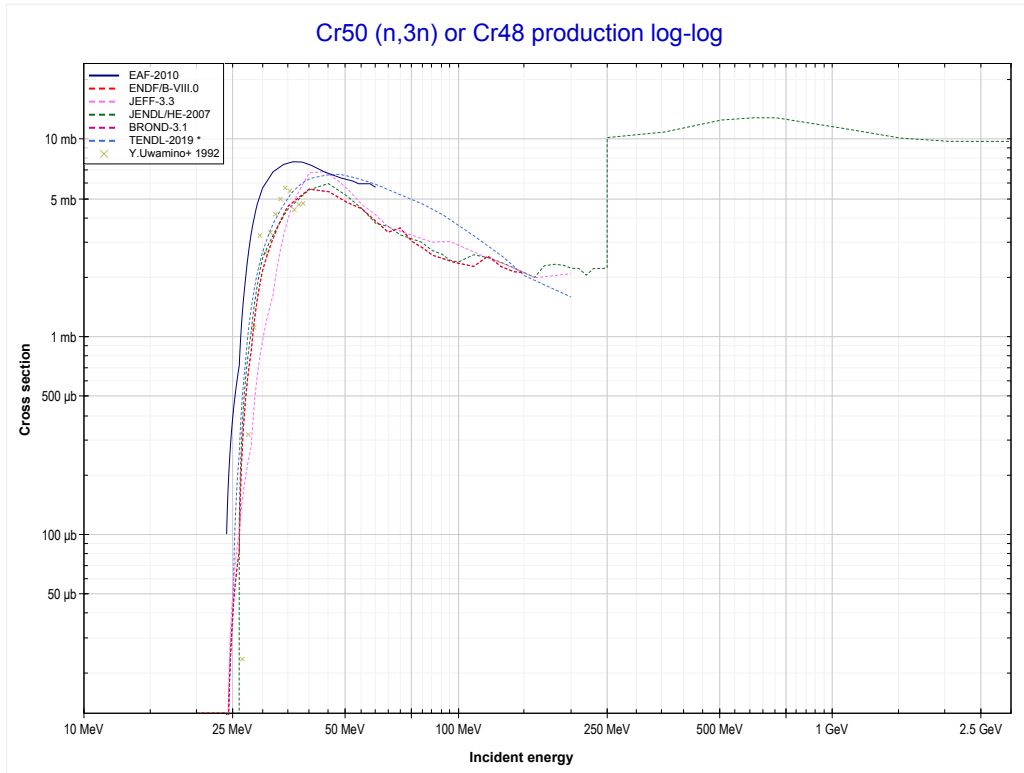
| Reaction | Q-Value |
|---------------|----------|
| Cr50(n,n)Cr50 | 0.00 keV |

| | | |
|---------------|---|----------------|
| << 23-V-50 | 24-Cr-50 | 24-Cr-52 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Cr49 production) | MT17 (n,3n) >> |



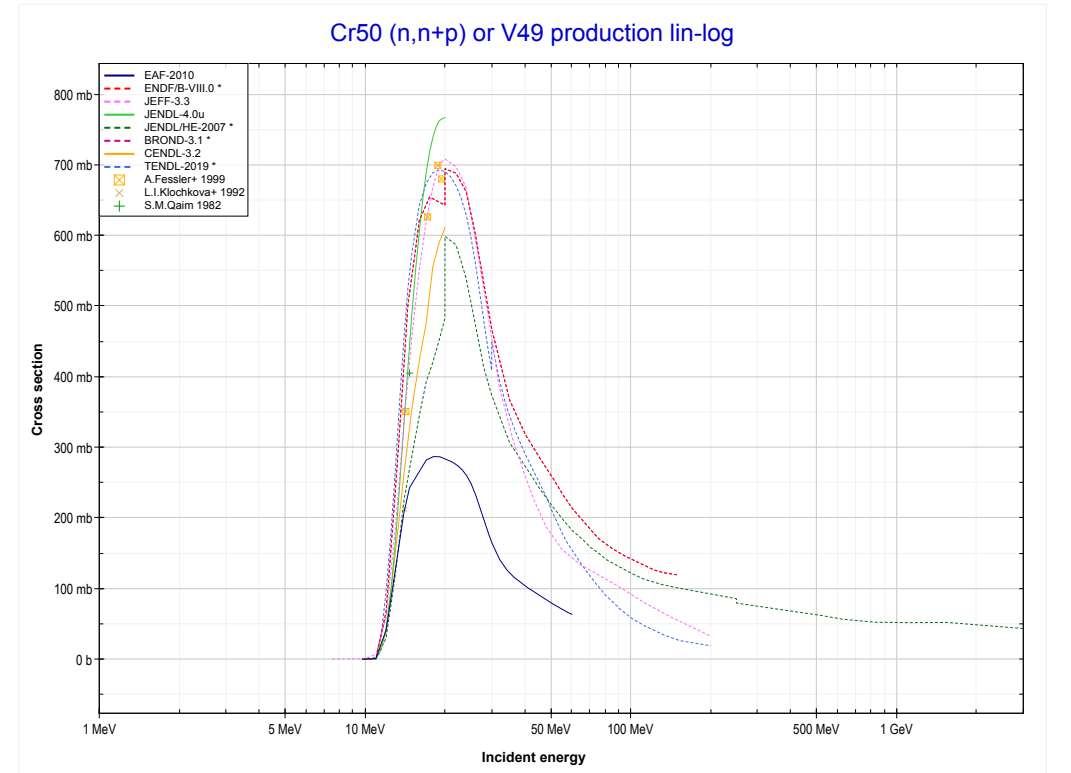
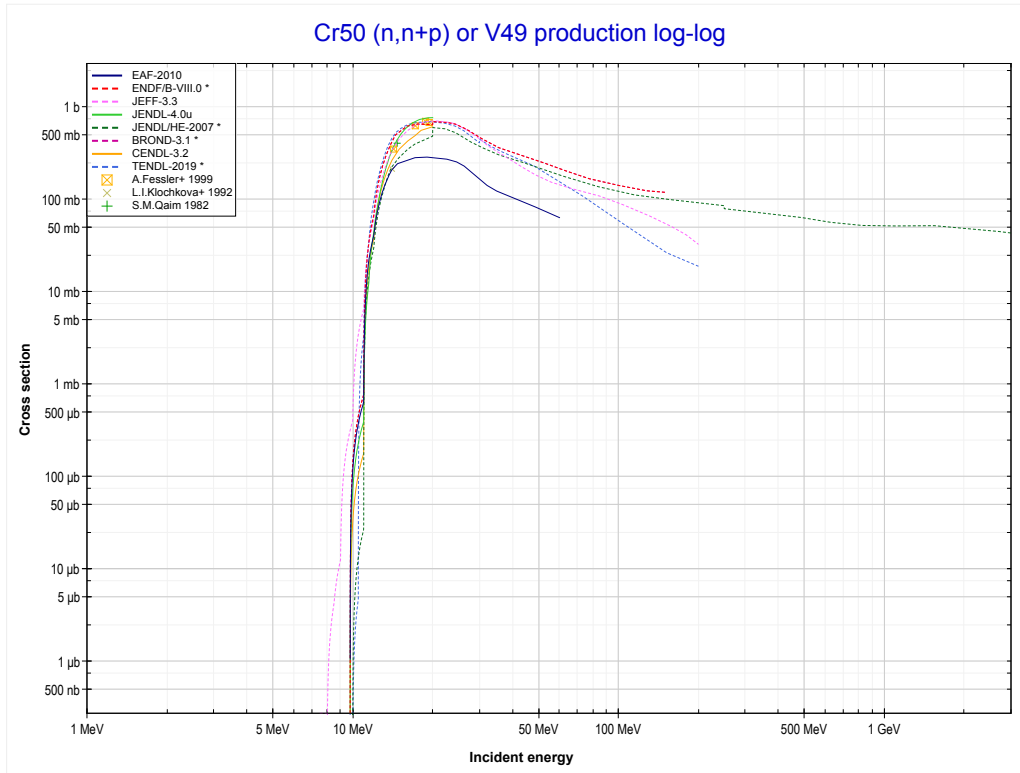
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Cr50(n,2n)Cr49 | -13000.32 keV |

| | | |
|----------------|---|-----------------|
| << 6-C-12 | 24-Cr-50 | 26-Fe-54 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Cr48 production) | MT28 (n,n+p) >> |



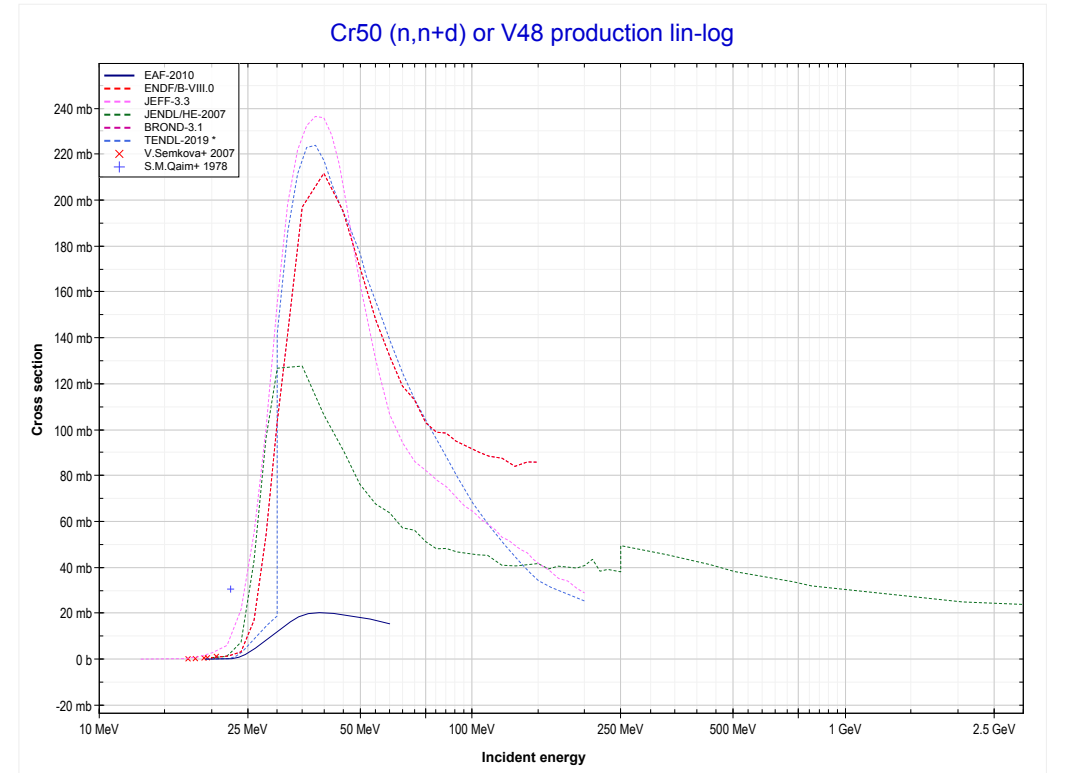
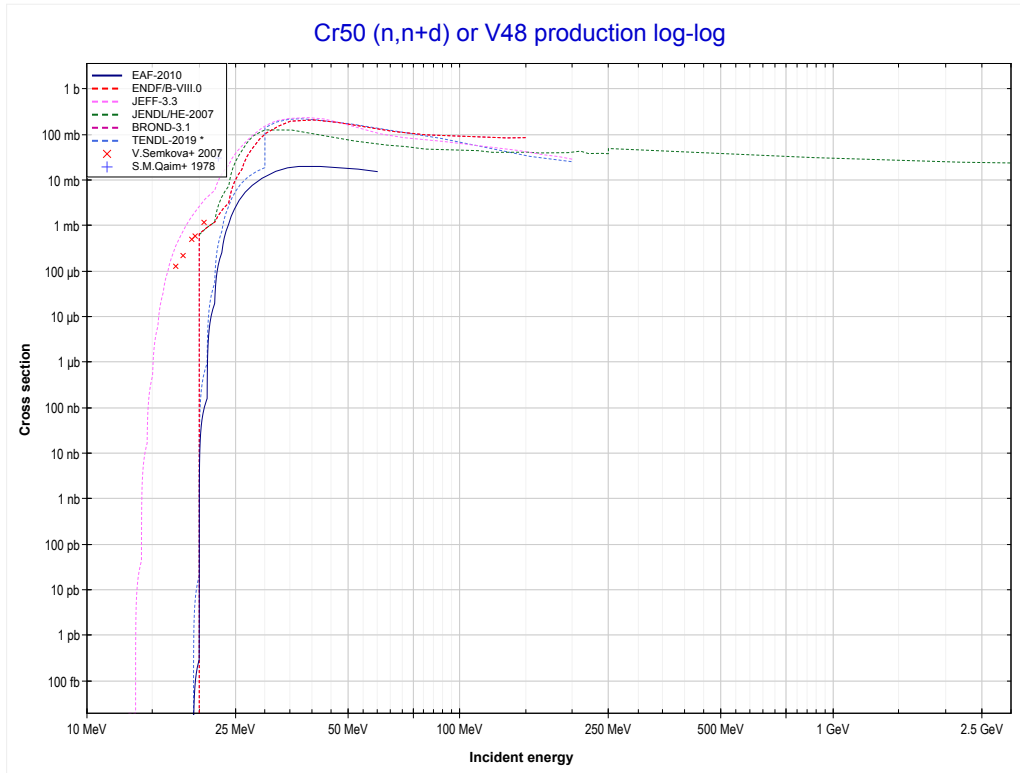
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Cr50(n,3n)Cr48 | -23582.73 keV |

| | | |
|----------------|---|-----------------|
| << 22-Ti-50 | 24-Cr-50 | 24-Cr-53 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (V49 production) | MT32 (n,n+d) >> |



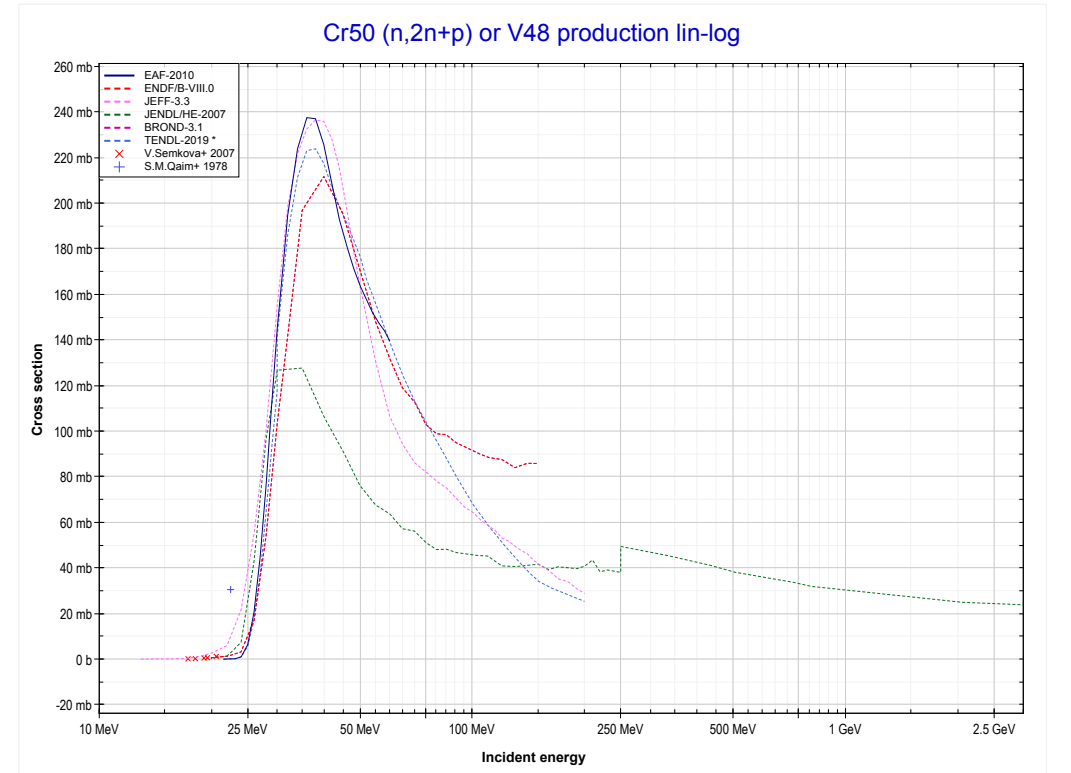
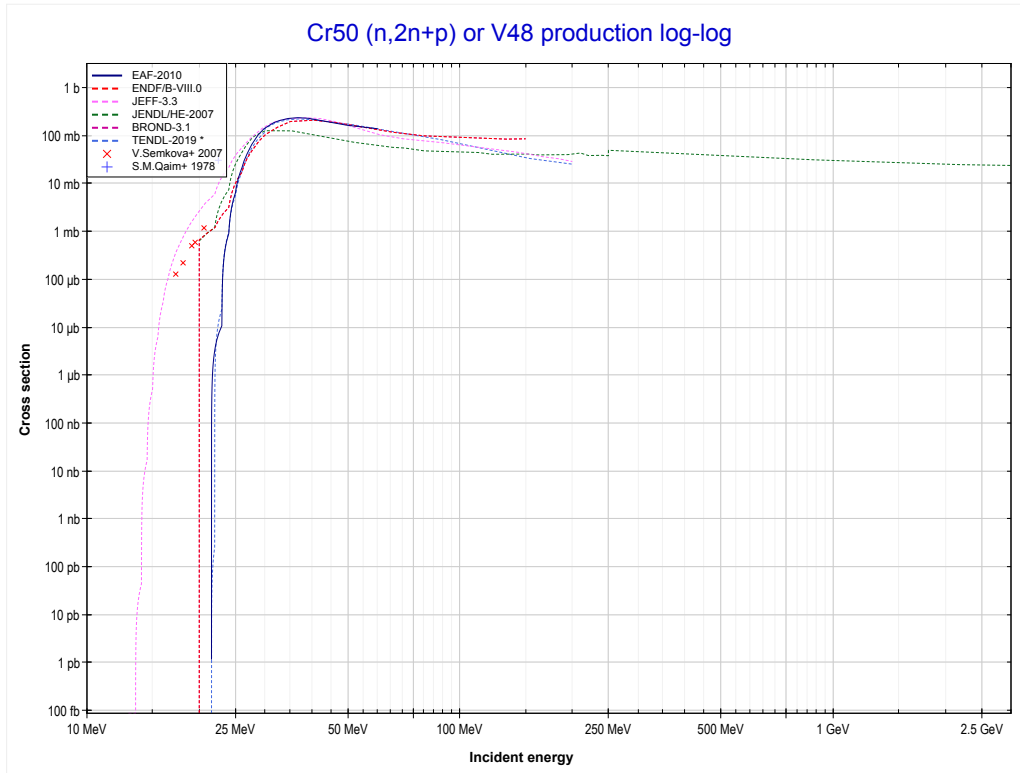
| Reaction | Q-Value |
|----------------|--------------|
| Cr50(n,d)V49 | -7364.60 keV |
| Cr50(n,n+p)V49 | -9589.17 keV |

| | | |
|-----------------|---|------------------|
| << 22-Ti-48 | 24-Cr-50 | 26-Fe-54 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (V48 production) | MT41 (n,2n+p) >> |



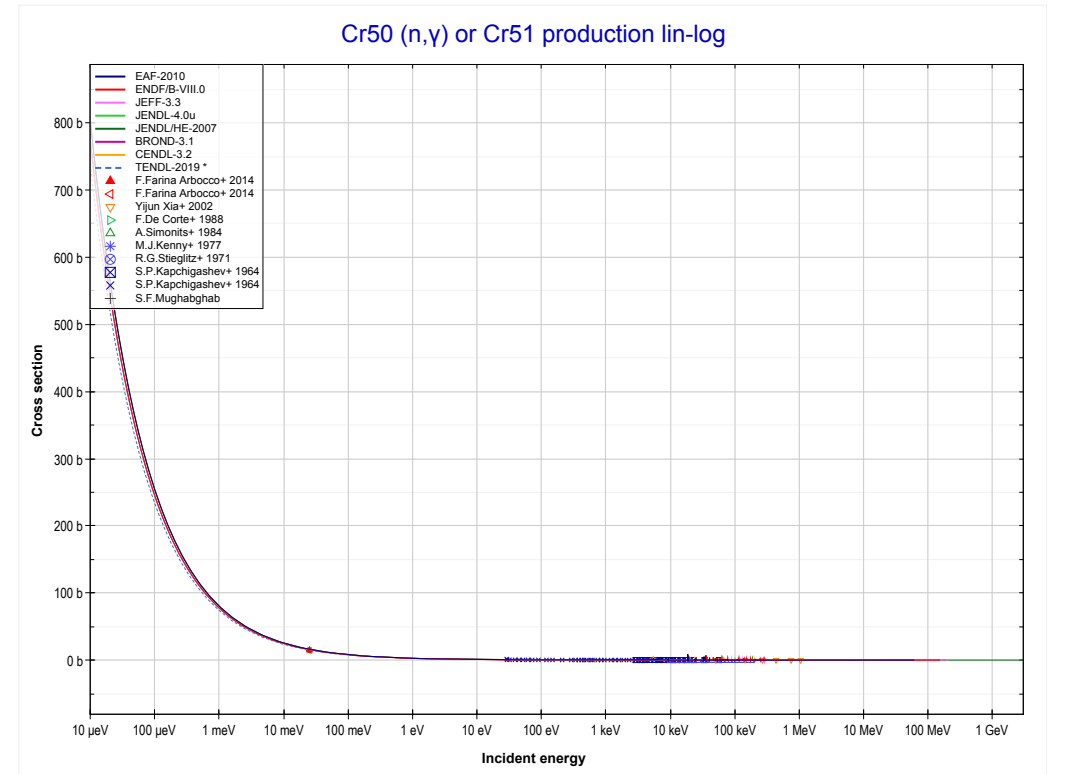
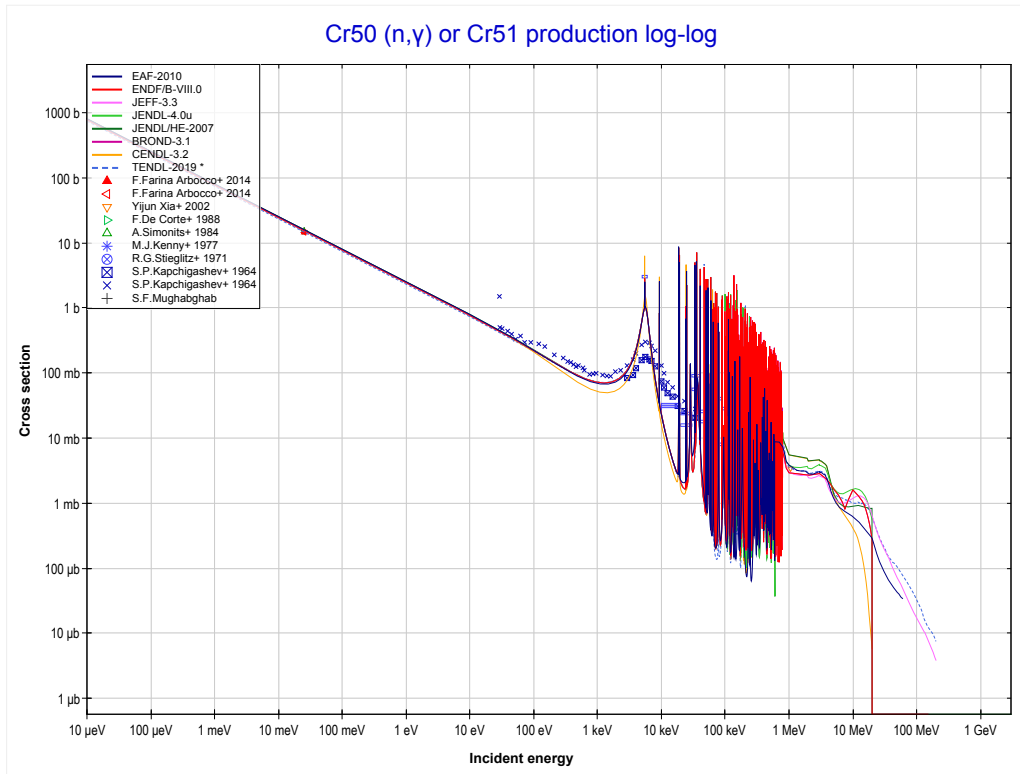
| Reaction | Q-Value |
|-----------------|---------------|
| Cr50(n,t)V48 | -12662.89 keV |
| Cr50(n,n+d)V48 | -18920.12 keV |
| Cr50(n,2n+p)V48 | -21144.69 keV |

| | | |
|-----------------|--|-------------------------|
| << 22-Ti-48 | 24-Cr-50 | 26-Fe-54 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (V48 production) | MT102 (n, γ) >> |



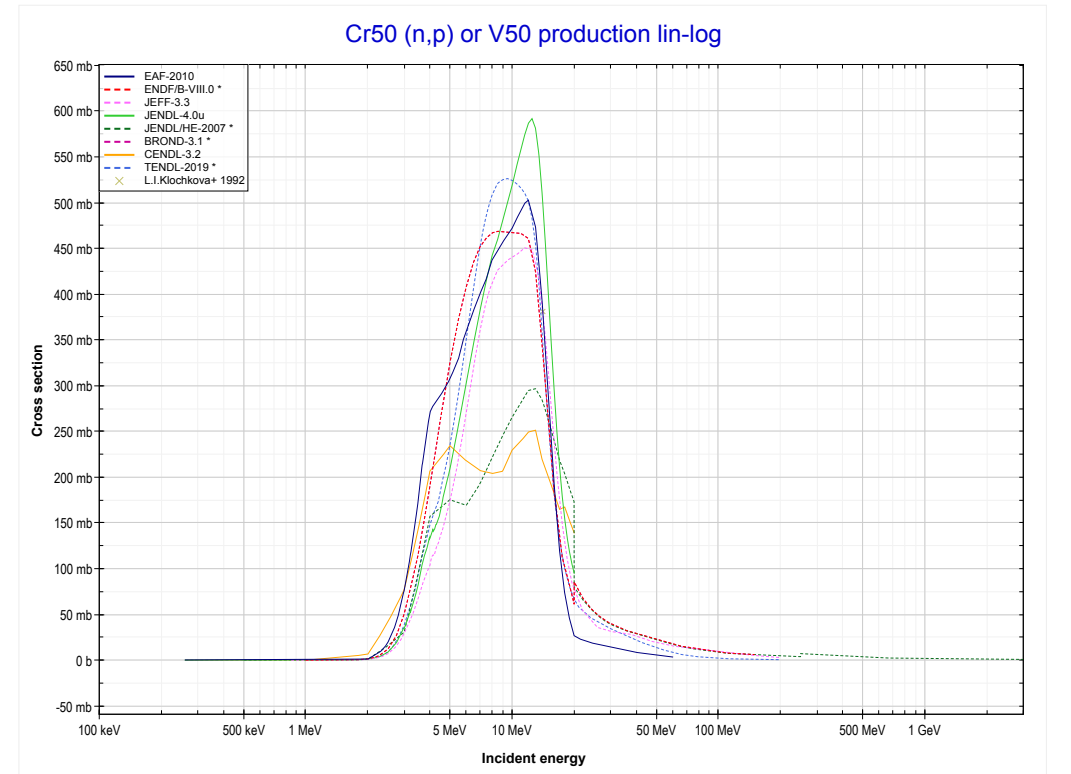
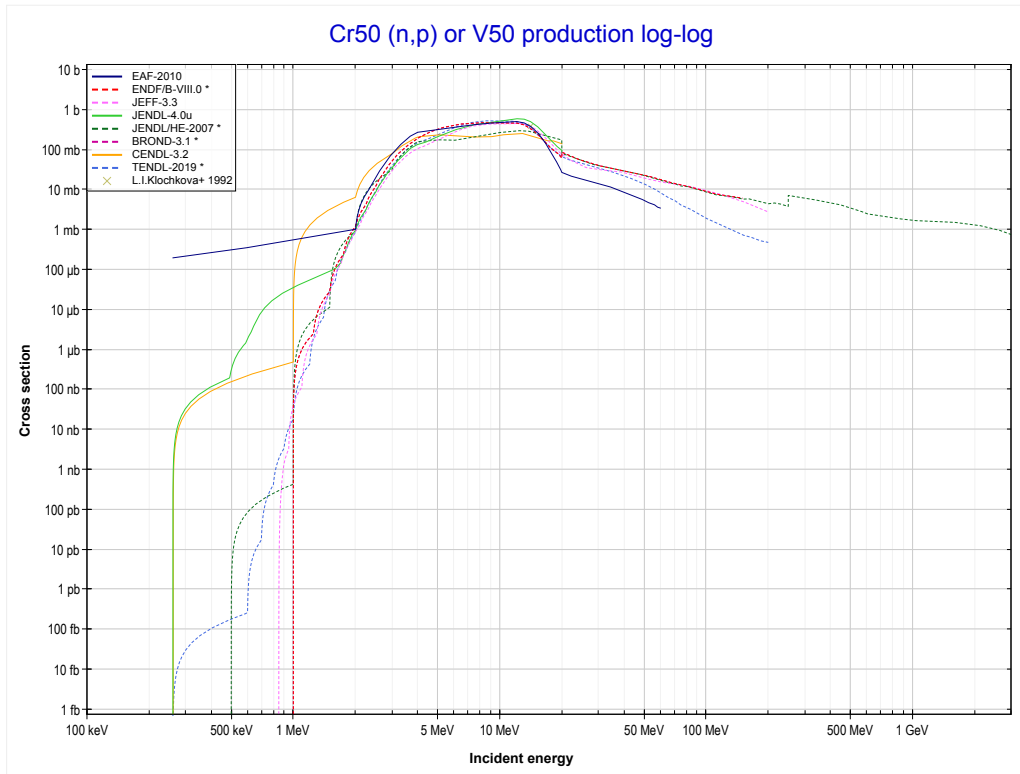
| Reaction | Q-Value |
|-----------------|---------------|
| Cr50(n,t)V48 | -12662.89 keV |
| Cr50(n,n+d)V48 | -18920.12 keV |
| Cr50(n,2n+p)V48 | -21144.69 keV |

| | | |
|------------------|---|----------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Cr51 production) | MT103 (n,p) >> |



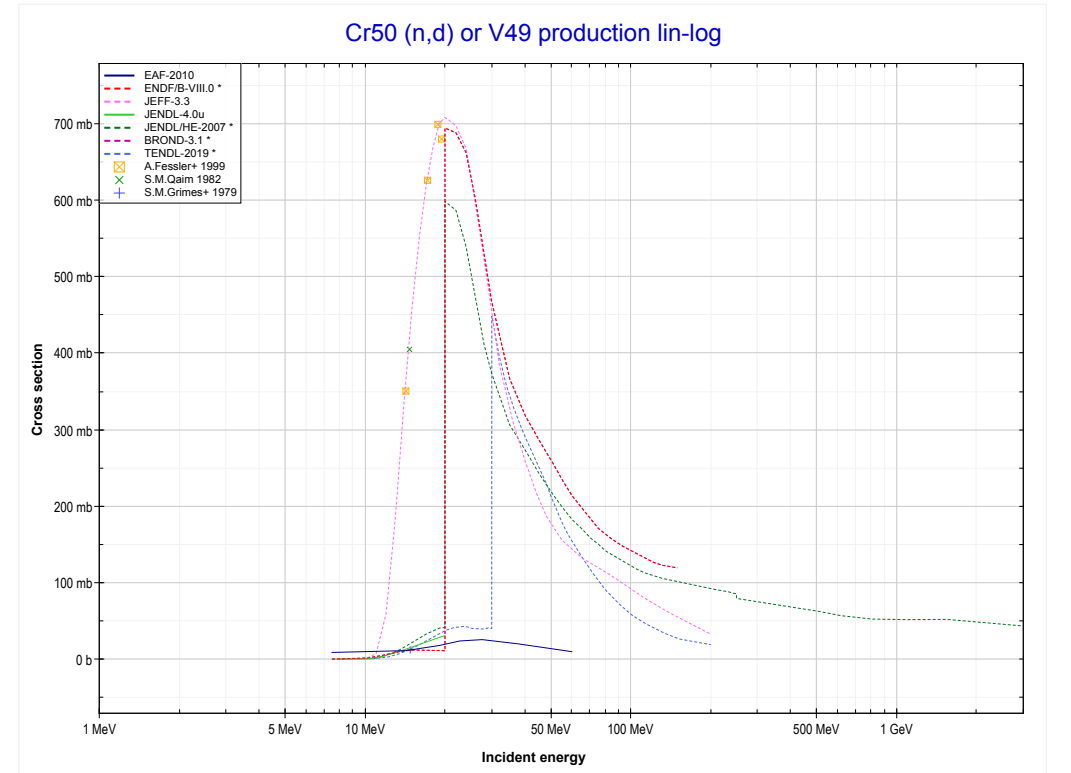
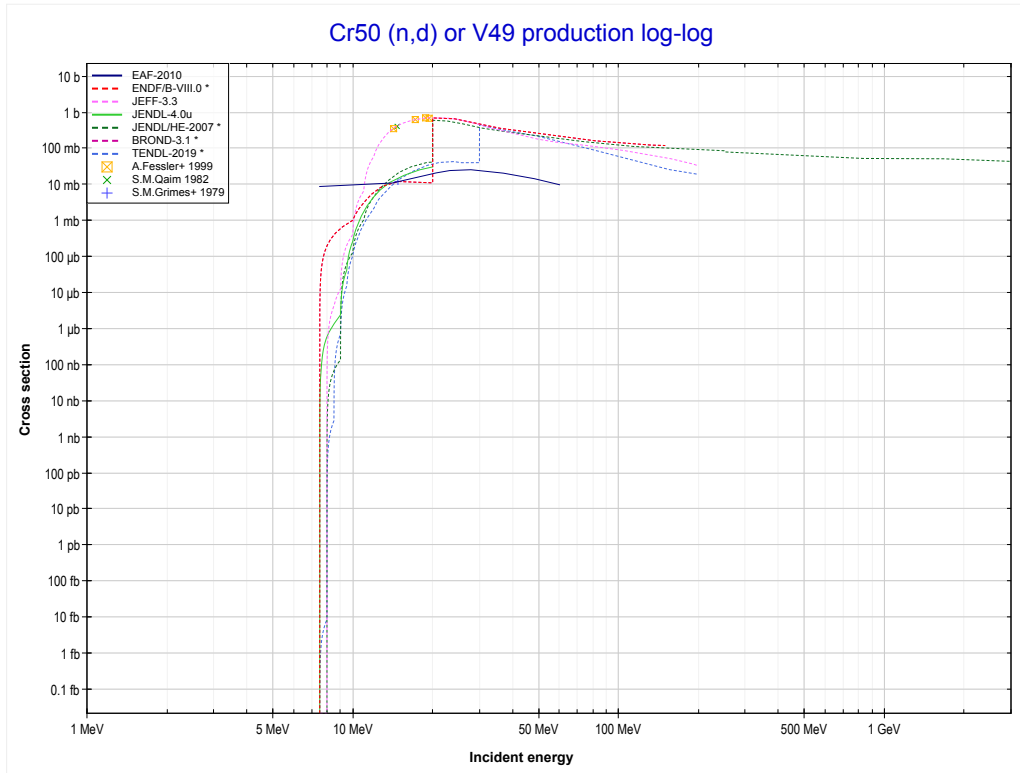
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15.9736 b | 15.9617 b | 15.957 b | 0.99971 | 7.41177 b | 0.00339004 b | 4.48851E-4 b |
| ENDF/B-VIII.0 | 15.4046 b | 15.4046 b | 15.41 b | 1.00034 | 7.2264 b | 0.00403606 b | 0.00108 b |
| JEFF-3.3 | 15.4046 b | 15.4046 b | 15.41 b | 1.00034 | 7.22644 b | 0.00393497 b | 0.00125933 b |
| JENDL-4.0u | 15.3798 b | 15.3798 b | 15.385 b | 1.00034 | 7.21672 b | 0.0042302 b | 0.00148941 b |
| JENDL/HE-2007 | 16.0319 b | 16.0319 b | 16.032 b | 1.00004 | 7.4742 b | 0.00528556 b | 8.949E-4 b |
| BROND-3.1 | 15.4046 b | 15.4046 b | 15.41 b | 1.00034 | 7.2264 b | 0.00439146 b | 0.00108 b |
| CENDL-3.2 | 15.9245 b | 15.9245 b | 15.925 b | 1.00002 | 7.35199 b | 0.00643192 b | 1.5244E-4 b |
| TENDL-2019 | 14.6926 b | 14.6926 b | 14.693 b | 1.00003 | 6.89619 b | 0.00378101 b | 0.00101451 b |

| | | |
|-------------------------|--|----------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (V50 production) | MT104 (n,d) >> |



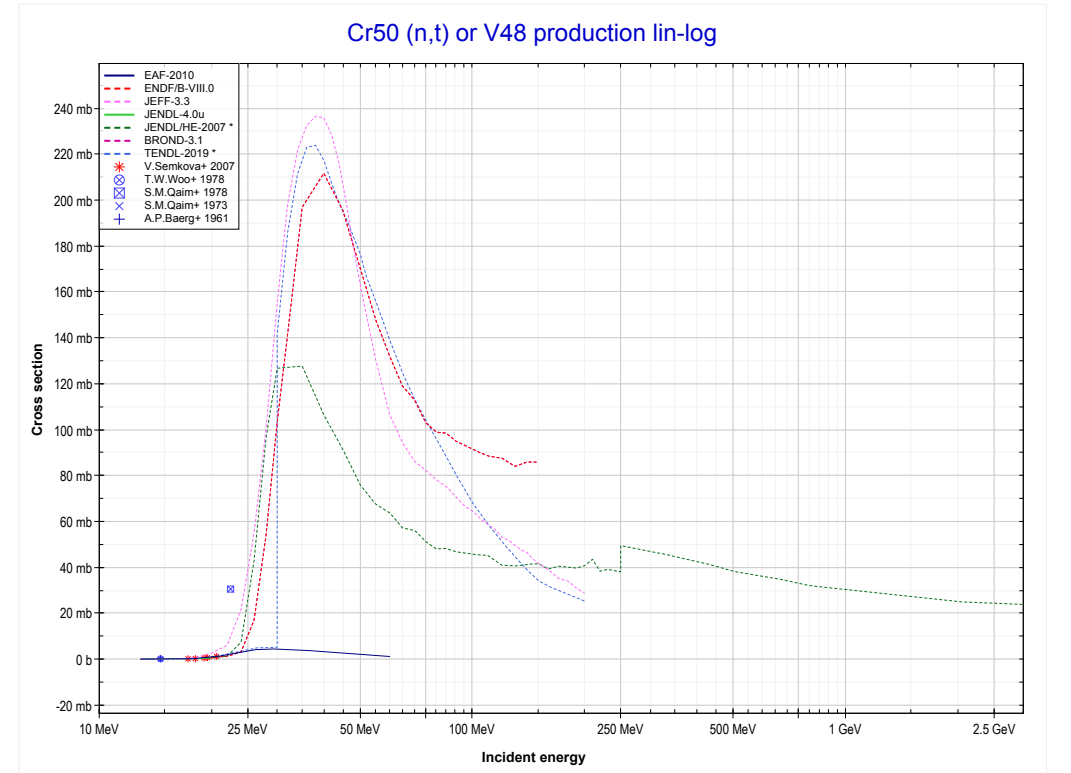
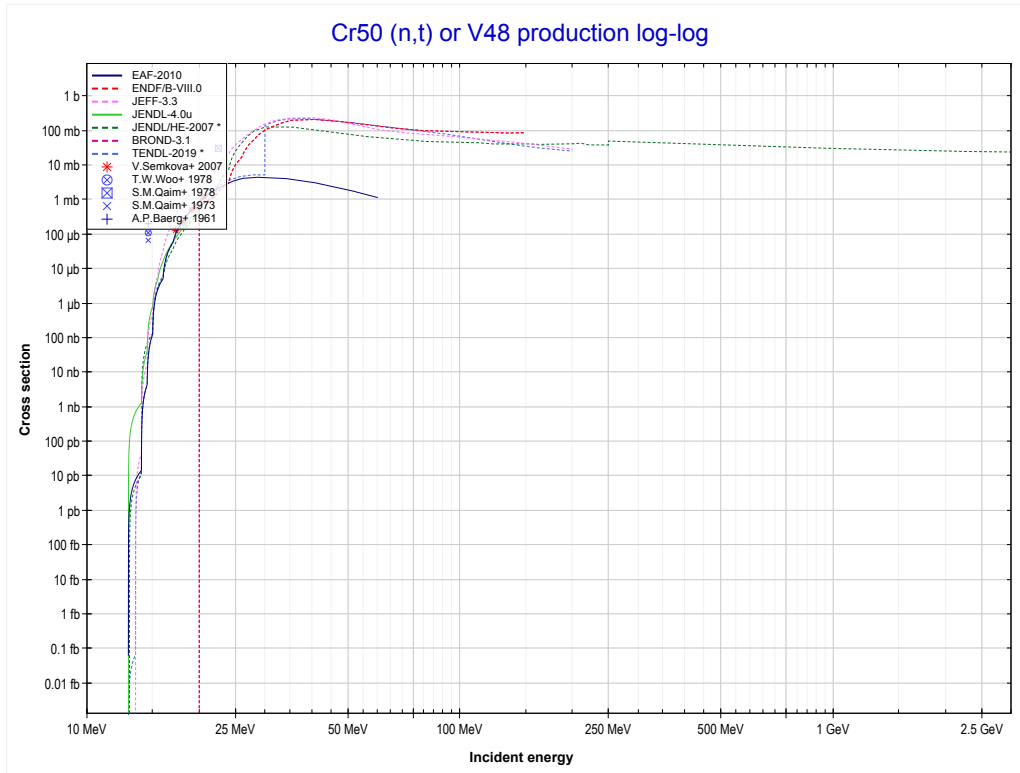
| Reaction | Q-Value |
|--------------|-------------|
| Cr50(n,p)V50 | -255.75 keV |

| | | |
|----------------|--|----------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (V49 production) | MT105 (n,t) >> |



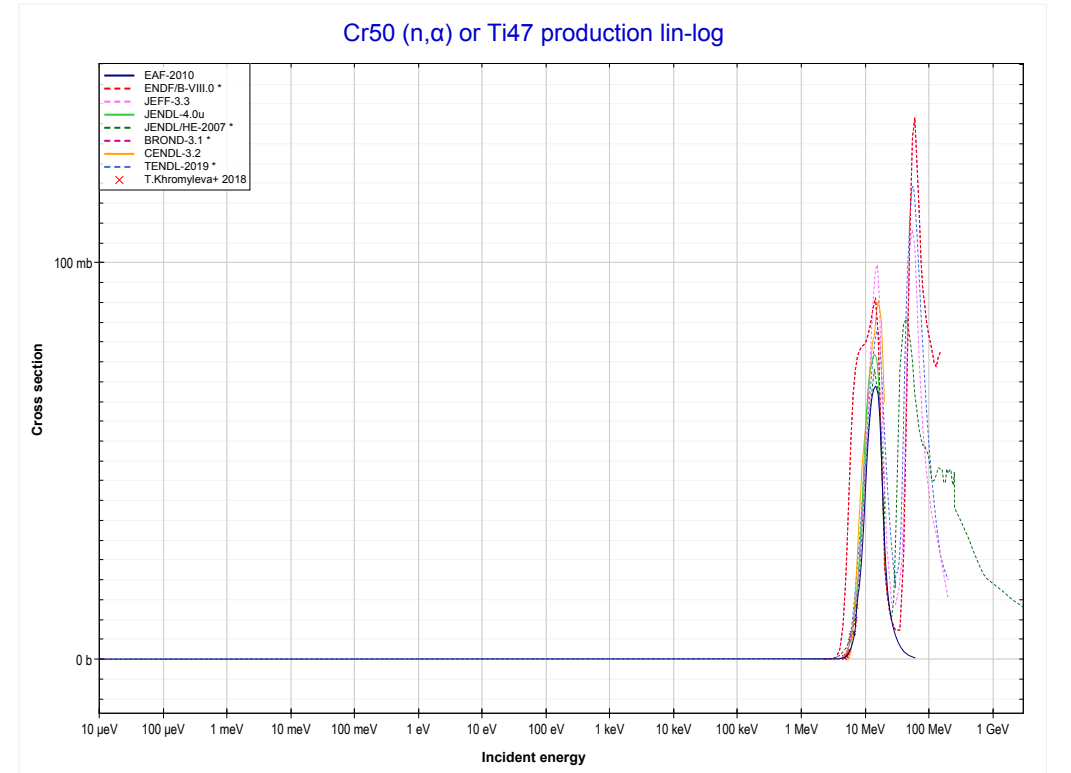
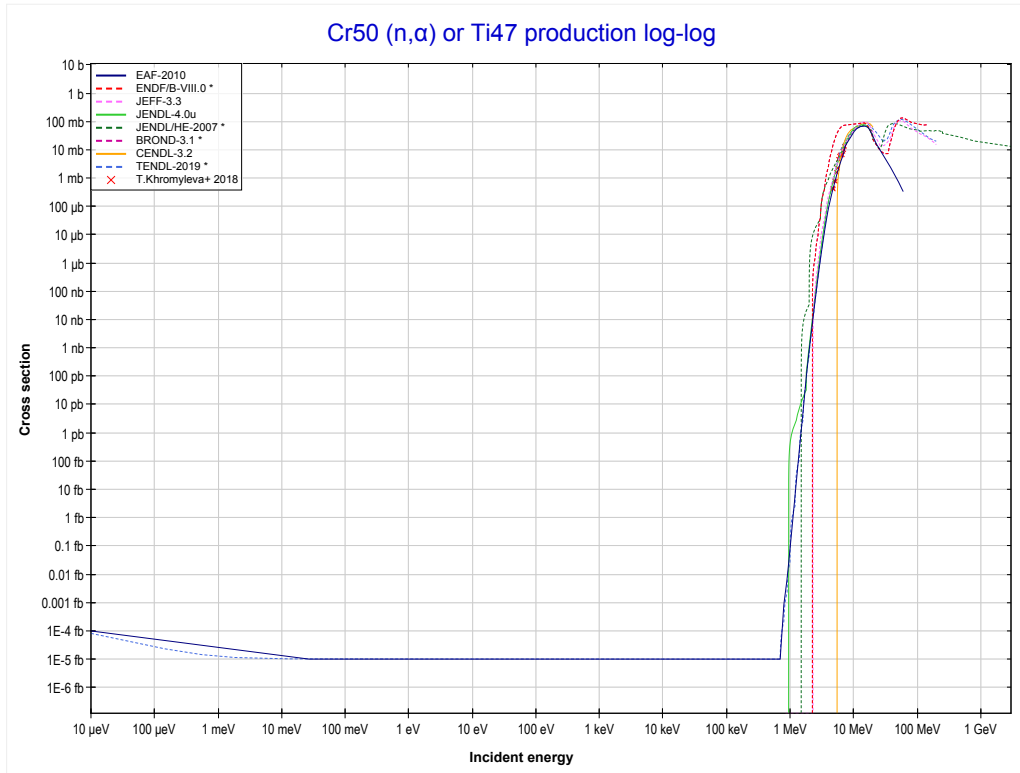
| Reaction | Q-Value |
|----------------|--------------|
| Cr50(n,d)V49 | -7364.60 keV |
| Cr50(n,n+p)V49 | -9589.17 keV |

| | | |
|----------------|--|-------------------------|
| << 23-V-51 | 24-Cr-50 | 25-Mn-55 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (V48 production) | MT107 (n, α) >> |



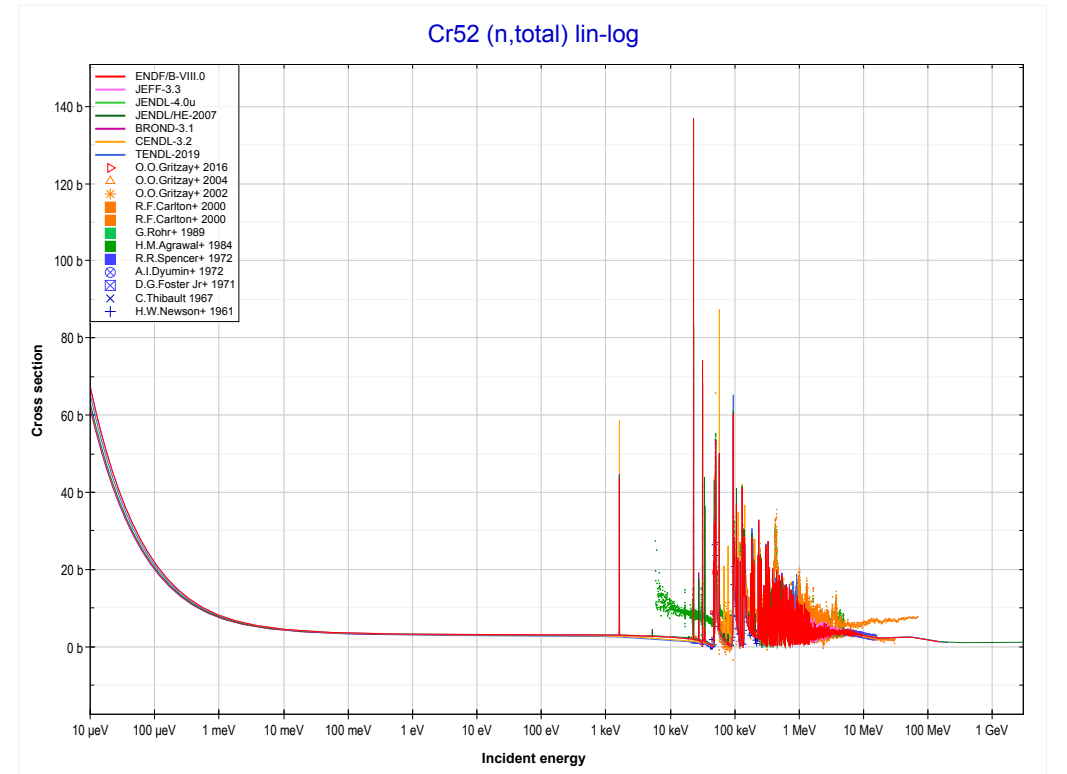
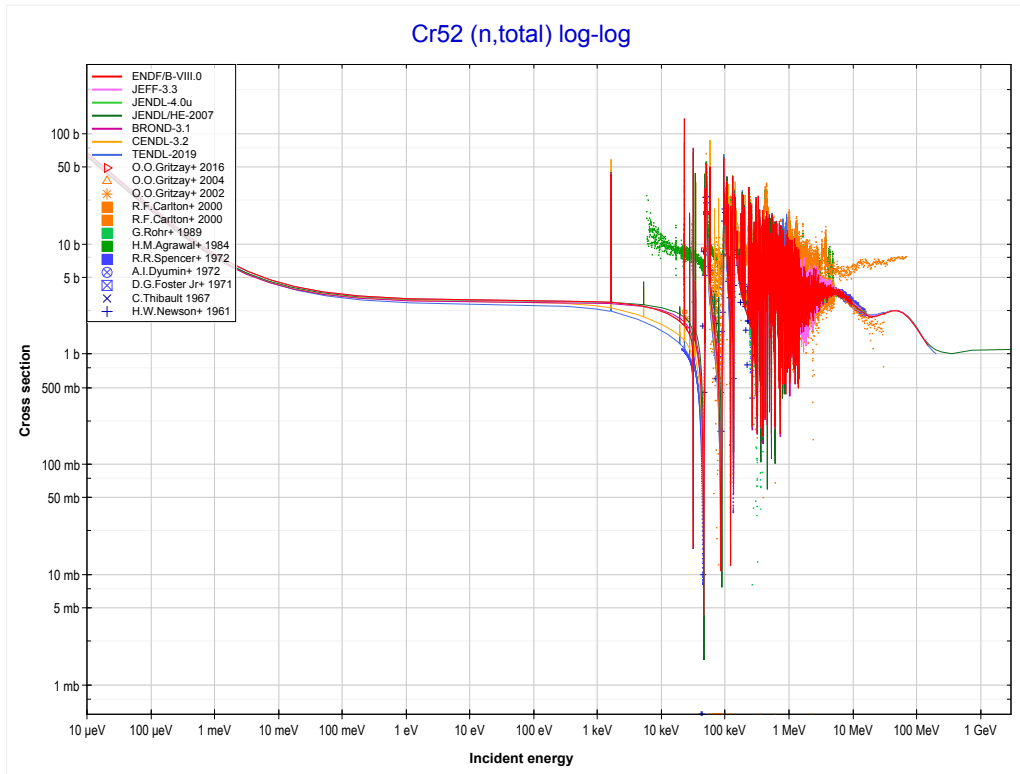
| Reaction | Q-Value |
|-----------------|---------------|
| Cr50(n,t)V48 | -12662.89 keV |
| Cr50(n,n+d)V48 | -18920.12 keV |
| Cr50(n,2n+p)V48 | -21144.69 keV |

| | | |
|----------------|---|---------------------------|
| << 23-V-51 | 24-Cr-50 | 24-Cr-52 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ti47 production) | 24-Cr-52 MT1 (n,total) >> |



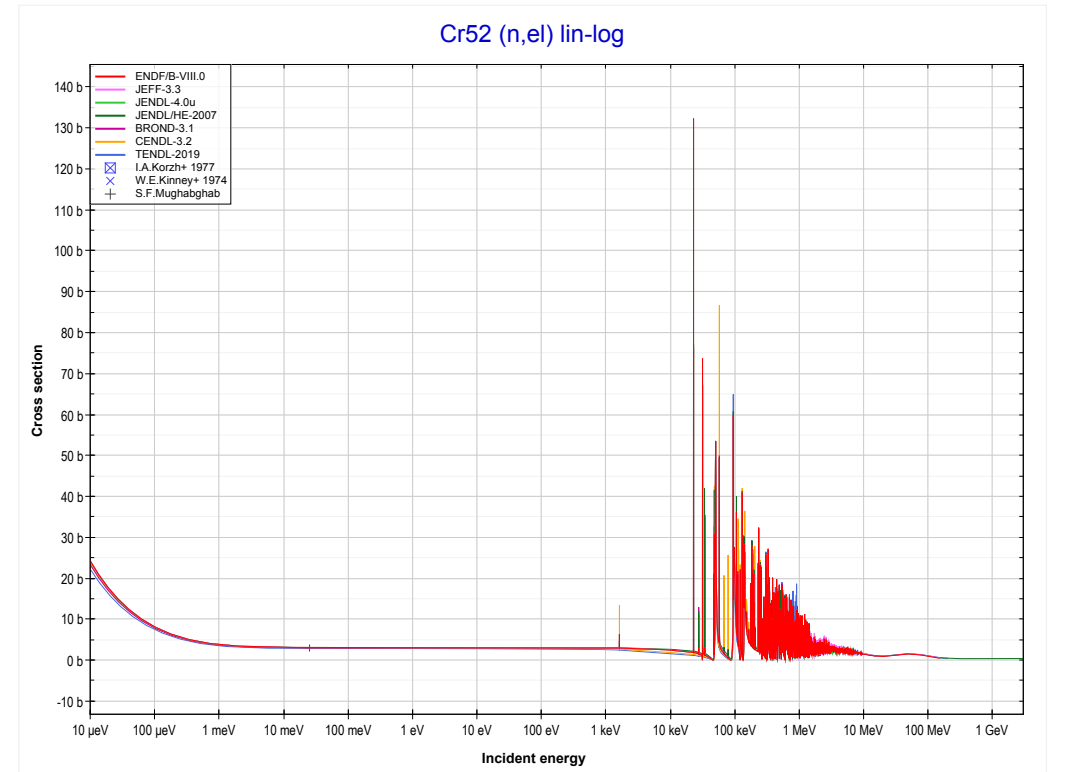
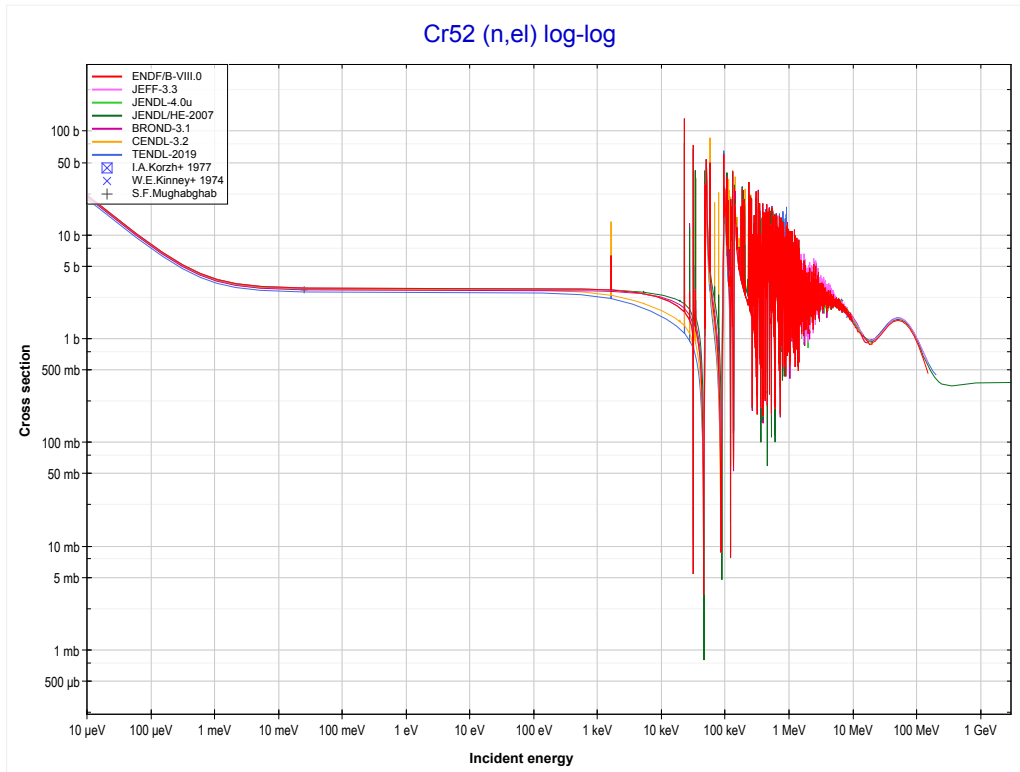
| Reaction | Q-Value |
|------------------------|---------------|
| Cr50(n, α)Ti47 | 321.66 keV |
| Cr50(n,p+t)Ti47 | -19492.20 keV |
| Cr50(n,n+He3)Ti47 | -20255.96 keV |
| Cr50(n,2d)Ti47 | -23524.87 keV |
| Cr50(n,n+p+d)Ti47 | -25749.43 keV |
| Cr50(n,2n+2p)Ti47 | -27974.00 keV |

| | | |
|----------------------------------|----------------------|--------------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << 24-Cr-50 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



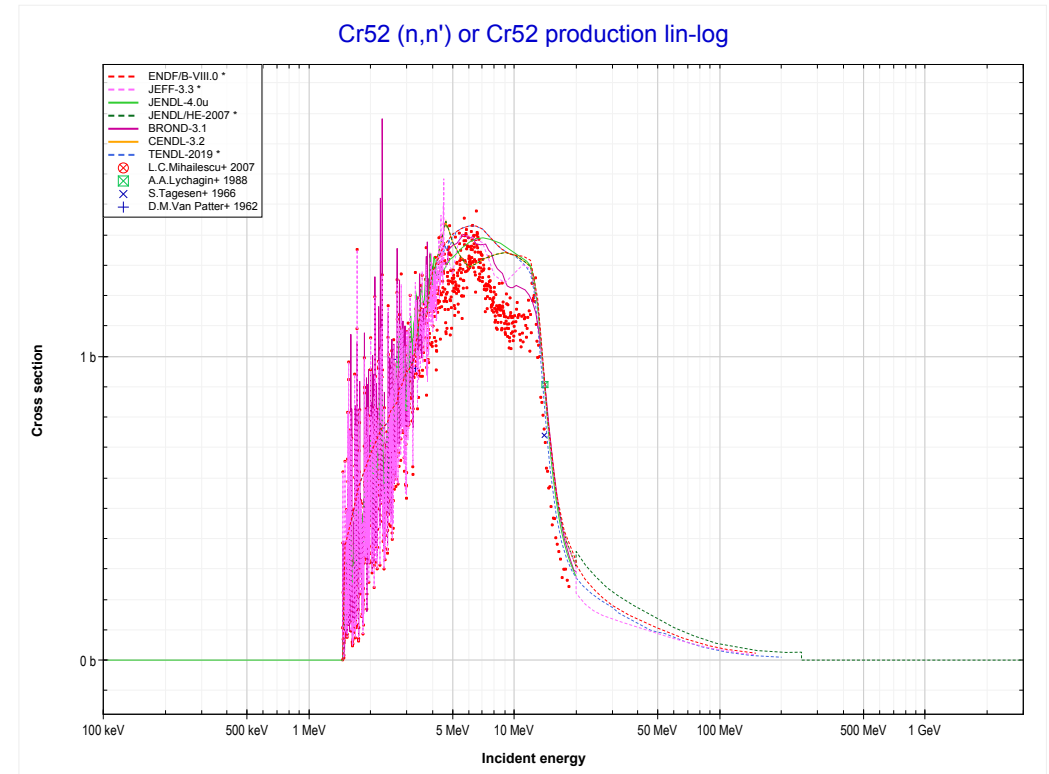
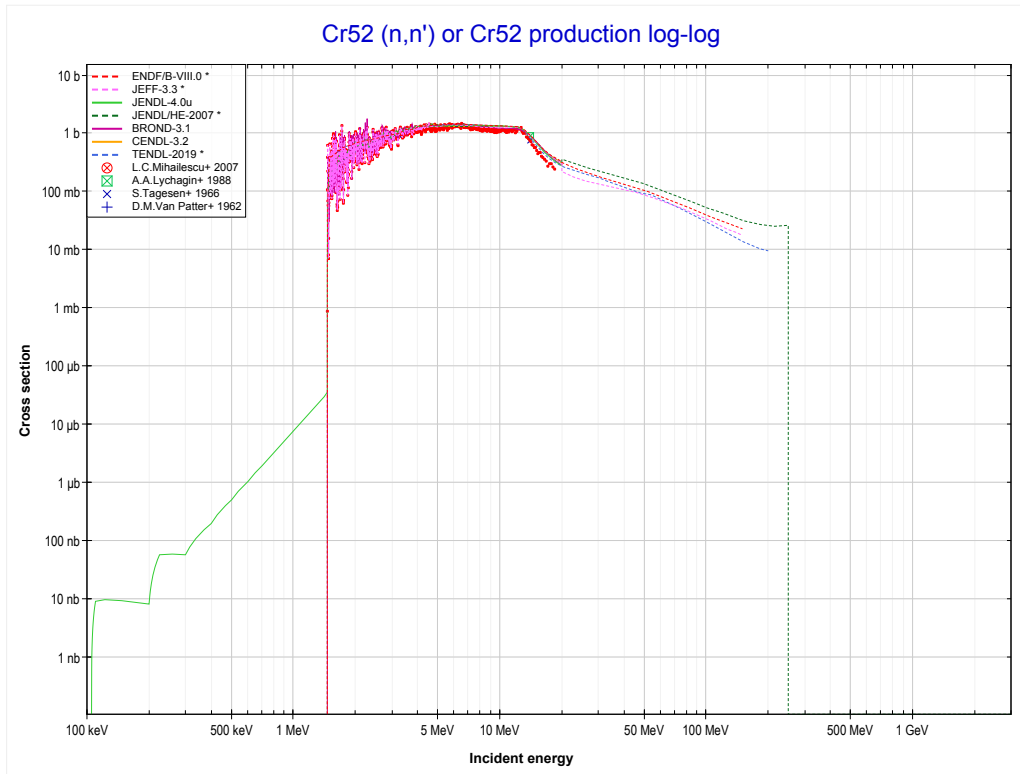
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.93305 b | 3.93305 b | 4.3291 b | 1.10069 | 37.8435 b | 3.31227 b | 2.41772 b |
| JEFF-3.3 | 3.93305 b | 3.93305 b | 4.3291 b | 1.10069 | 37.8434 b | 3.38809 b | 2.41098 b |
| JENDL-4.0u | 3.93305 b | 3.93305 b | 4.3291 b | 1.10069 | 37.8435 b | 3.23901 b | 2.47958 b |
| JENDL/HE-2007 | 3.83066 b | 3.83066 b | 4.223 b | 1.10243 | 38.4371 b | 3.30018 b | 2.466 b |
| BROND-3.1 | 3.71446 b | 3.71446 b | 4.0939 b | 1.10214 | 36.9897 b | 3.39178 b | 2.43525 b |
| CENDL-3.2 | 3.75198 b | 3.75198 b | 4.1357 b | 1.10226 | 34.8681 b | 3.69392 b | 2.41914 b |
| TENDL-2019 | 3.67528 b | 3.67528 b | 4.0374 b | 1.09853 | 32.6065 b | 3.37524 b | 2.36151 b |

| | | |
|------------------|------------------------|---------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



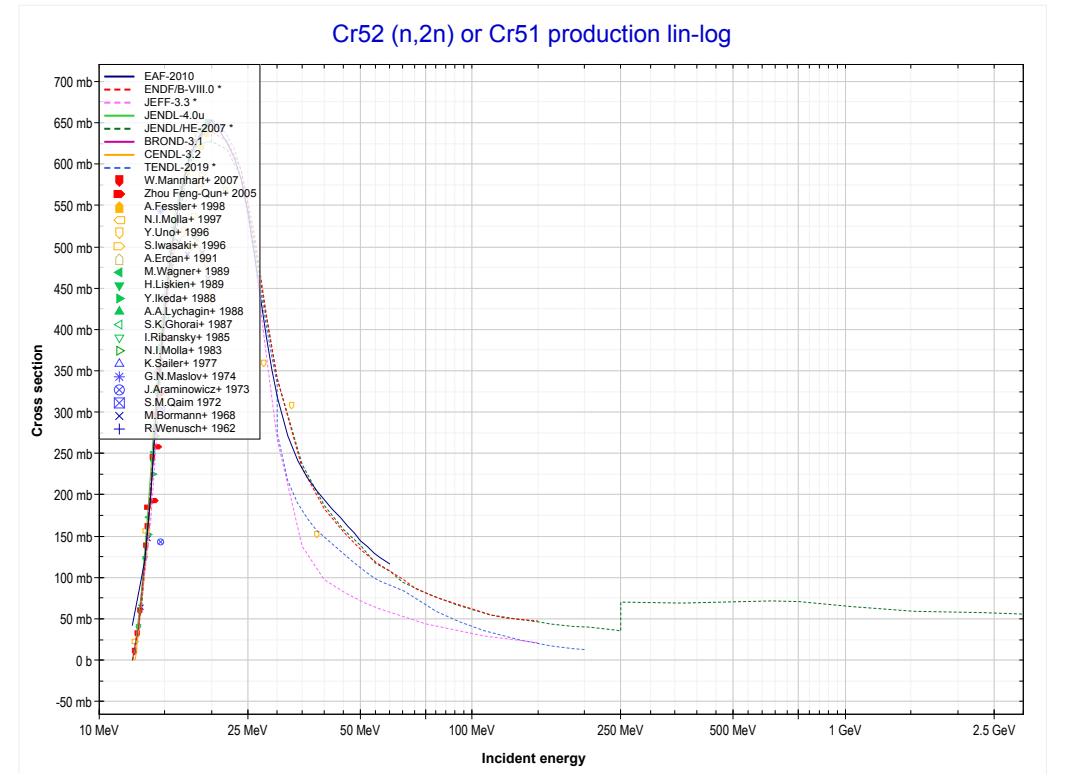
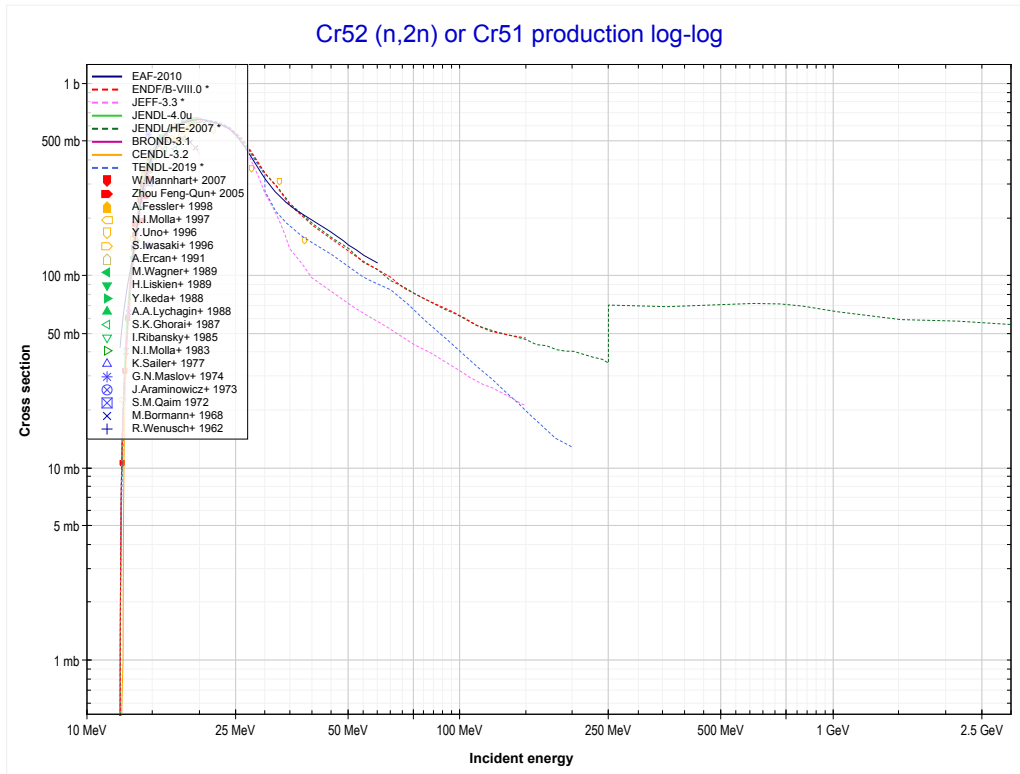
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.07699 b | 3.07699 b | 3.4719 b | 1.12834 | 37.3605 b | 2.82197 b | 1.06275 b |
| JEFF-3.3 | 3.07699 b | 3.07699 b | 3.4719 b | 1.12834 | 37.3604 b | 2.94624 b | 1.13509 b |
| JENDL-4.0u | 3.07699 b | 3.07699 b | 3.4719 b | 1.12834 | 37.3605 b | 2.75986 b | 1.10522 b |
| JENDL/HE-2007 | 3.05562 b | 3.05562 b | 3.448 b | 1.1284 | 37.9732 b | 2.86234 b | 1.13039 b |
| BROND-3.1 | 2.95425 b | 2.95425 b | 3.3334 b | 1.12834 | 36.5377 b | 2.928 b | 1.0648 b |
| CENDL-3.2 | 2.988 b | 2.988 b | 3.3717 b | 1.1284 | 34.414 b | 3.25645 b | 1.02947 b |
| TENDL-2019 | 2.81987 b | 2.81987 b | 3.1819 b | 1.1284 | 32.1134 b | 2.89233 b | 1.07745 b |

| | | |
|--------------------|--|----------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cr52 production) | MT16 (n,2n) >> |



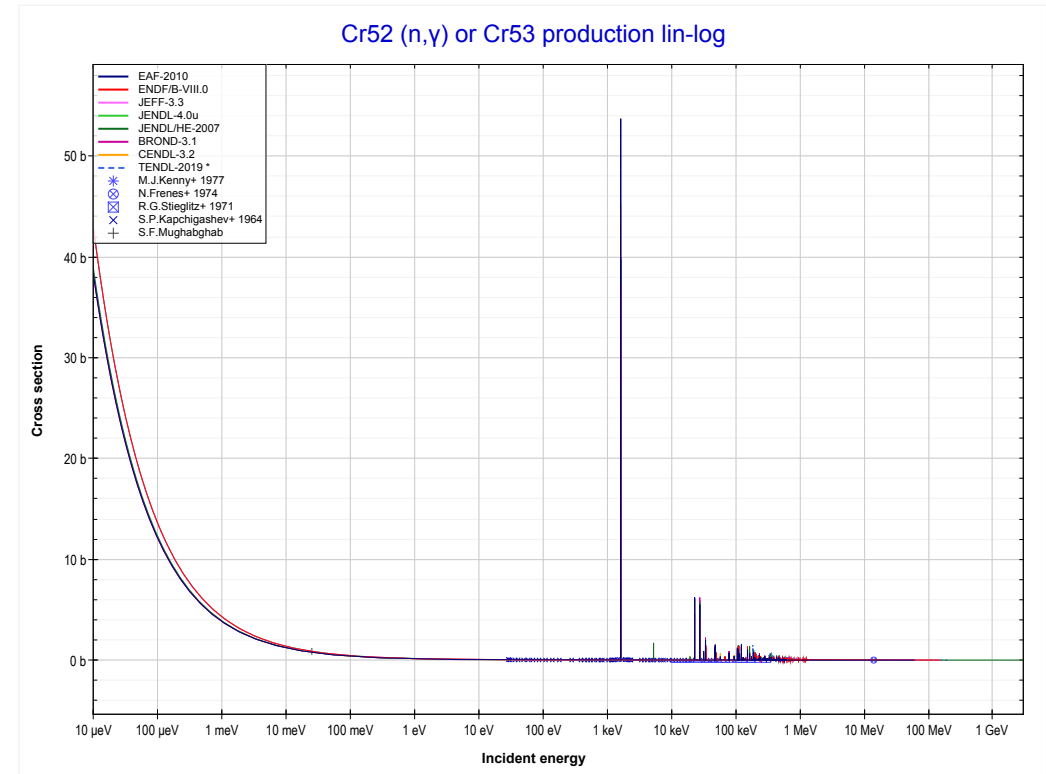
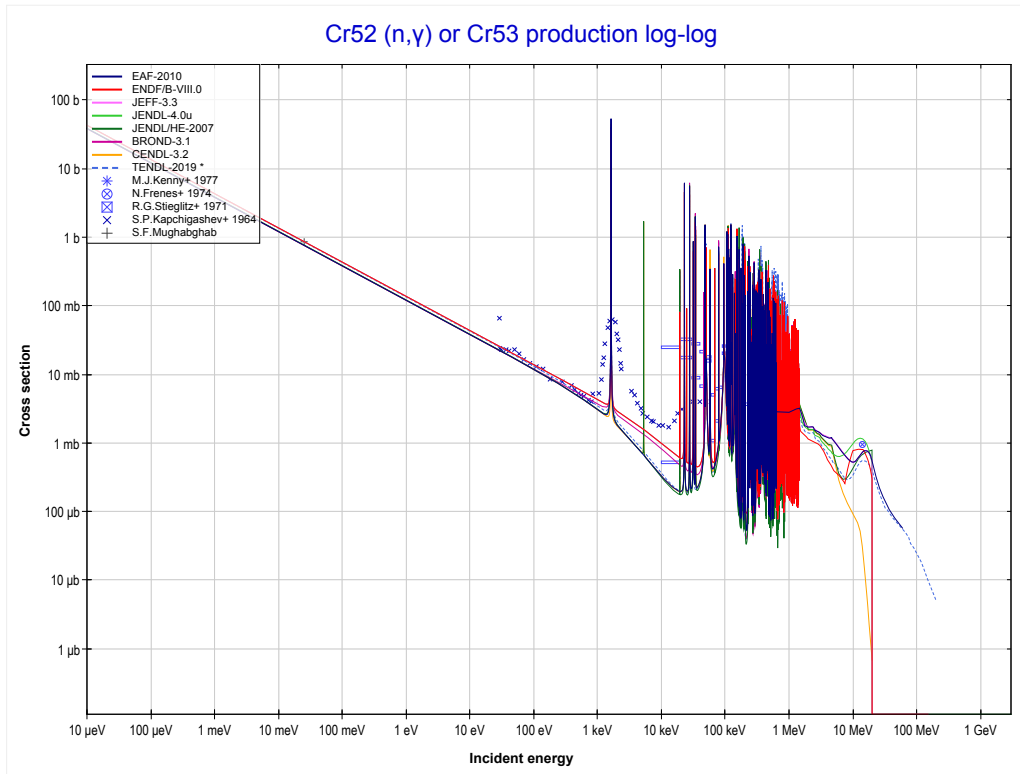
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.487182 b | 0.932676 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.43848 b | 0.911964 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.476277 b | 0.910786 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.434285 b | 0.919138 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.460087 b | 0.928133 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.434285 b | 0.919138 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.479341 b | 0.842961 b |

| | | |
|---------------|---|-------------------------|
| << 24-Cr-50 | 24-Cr-52 | 25-Mn-55 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Cr51 production) | MT102 (n, γ) >> |



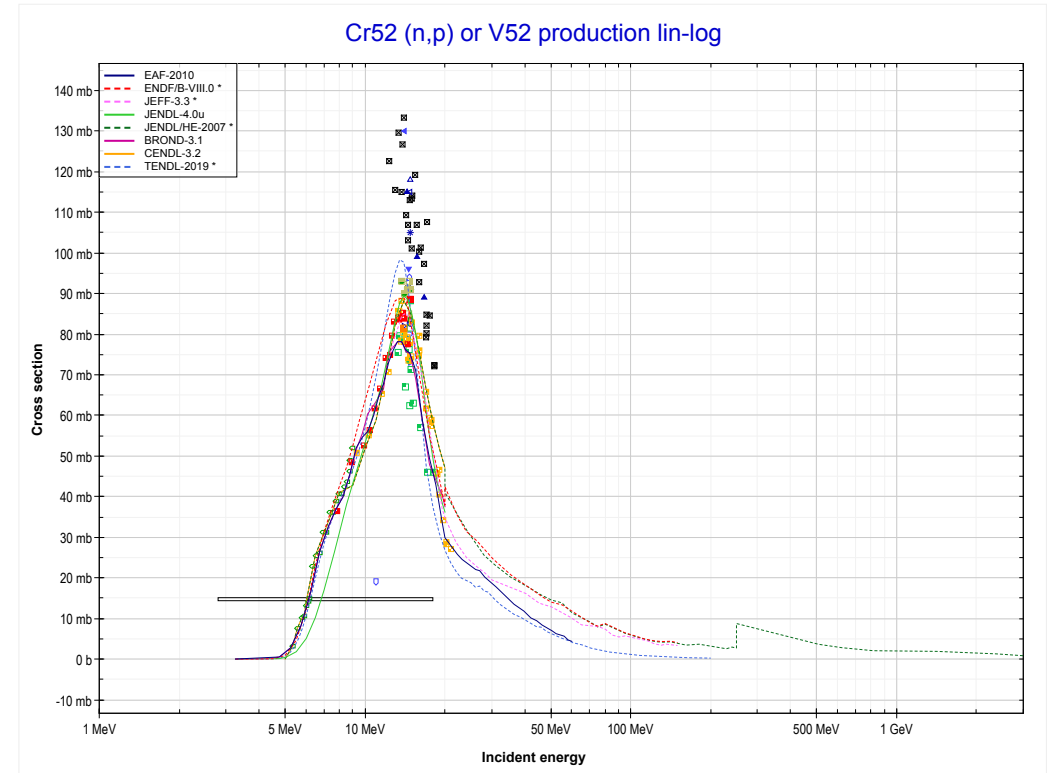
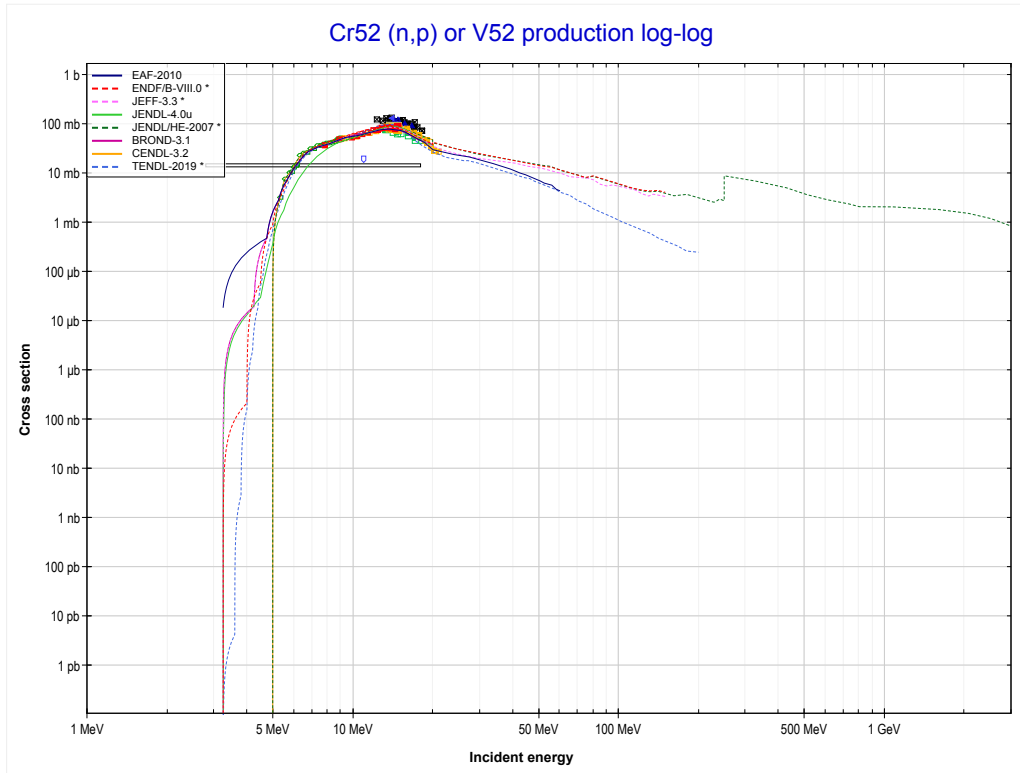
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.62064E-5 b | 0.25532 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.47407E-5 b | 0.26 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.92046E-5 b | 0.22032 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.8922E-5 b | 0.278865 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26178E-5 b | 0.258418 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.45199E-5 b | 0.25576 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.93008E-5 b | 0.26 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26374E-5 b | 0.249115 b |

| | | |
|----------------|---|----------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cr53 production) | MT103 (n,p) >> |



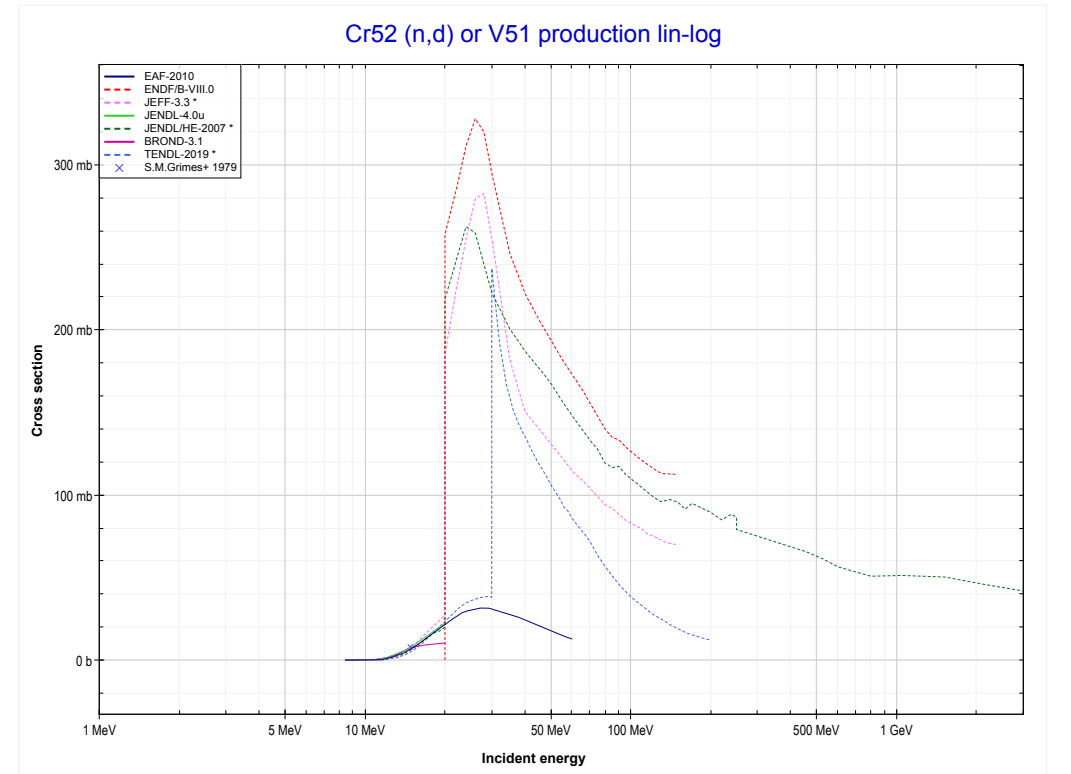
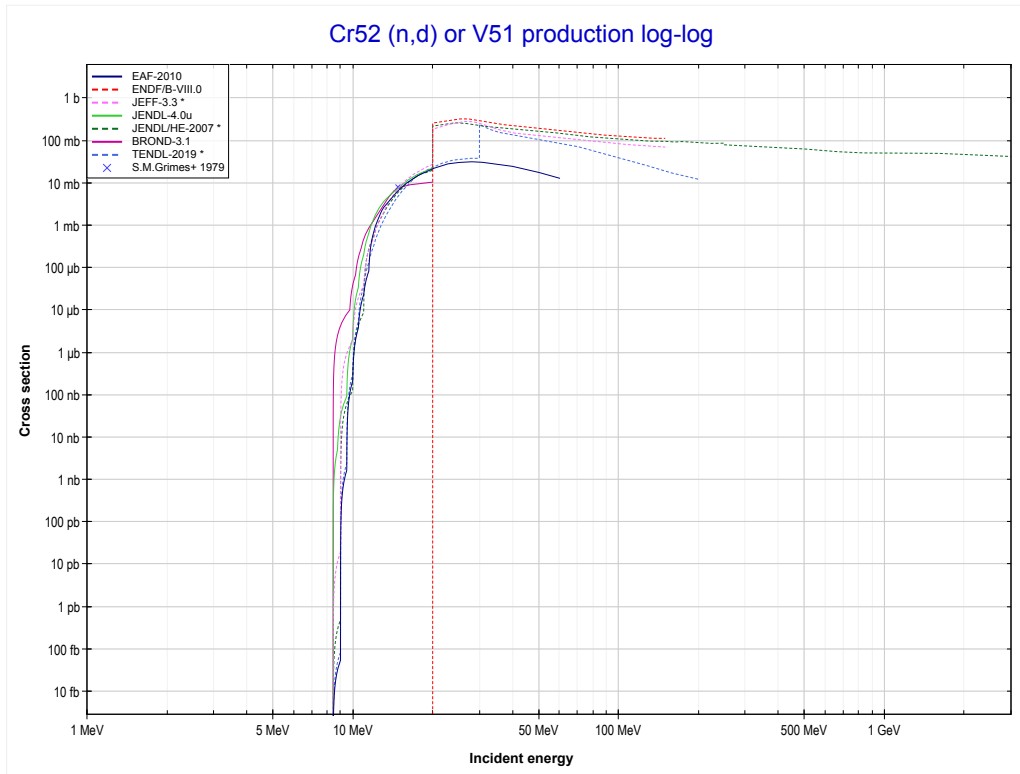
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.763923 b | 0.763351 b | 0.76312 b | 0.9997 | 0.47178 b | 0.00232842 b | 7.27913E-4 b |
| ENDF/B-VIII.0 | 0.85606 b | 0.85606 b | 0.85721 b | 1.00134 | 0.482953 b | 0.00166215 b | 8.03E-4 b |
| JEFF-3.3 | 0.85606 b | 0.85606 b | 0.85721 b | 1.00134 | 0.482955 b | 0.00201787 b | 7.23925E-4 b |
| JENDL-4.0u | 0.85606 b | 0.85606 b | 0.85721 b | 1.00134 | 0.482955 b | 0.00188926 b | 0.00115737 b |
| JENDL/HE-2007 | 0.775034 b | 0.775034 b | 0.77507 b | 1.00004 | 0.455349 b | 0.00227118 b | 6.80378E-4 b |
| BROND-3.1 | 0.7602 b | 0.7602 b | 0.76047 b | 1.00035 | 0.452013 b | 0.0023643 b | 7.29675E-4 b |
| CENDL-3.2 | 0.763975 b | 0.763975 b | 0.76401 b | 1.00005 | 0.448653 b | 0.00240201 b | 3.17979E-5 b |
| TENDL-2019 | 0.855401 b | 0.855401 b | 0.85544 b | 1.00005 | 0.487692 b | 0.00232023 b | 5.56836E-4 b |

| | | |
|-------------------------|--|----------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (V52 production) | MT104 (n,d) >> |



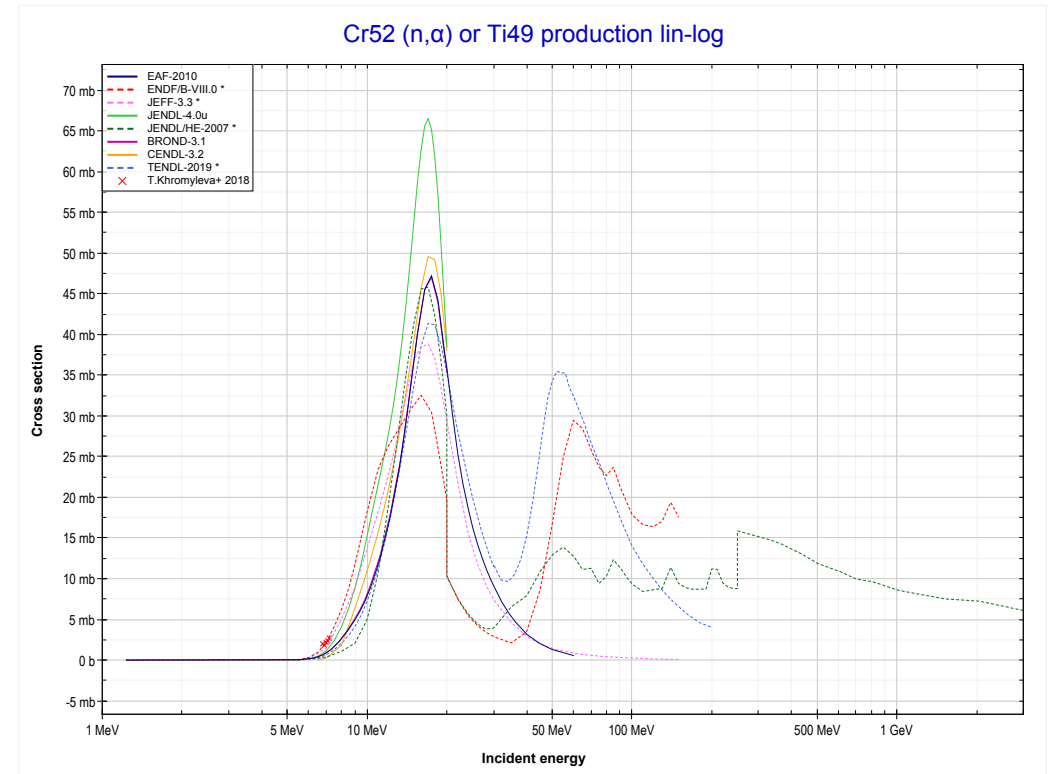
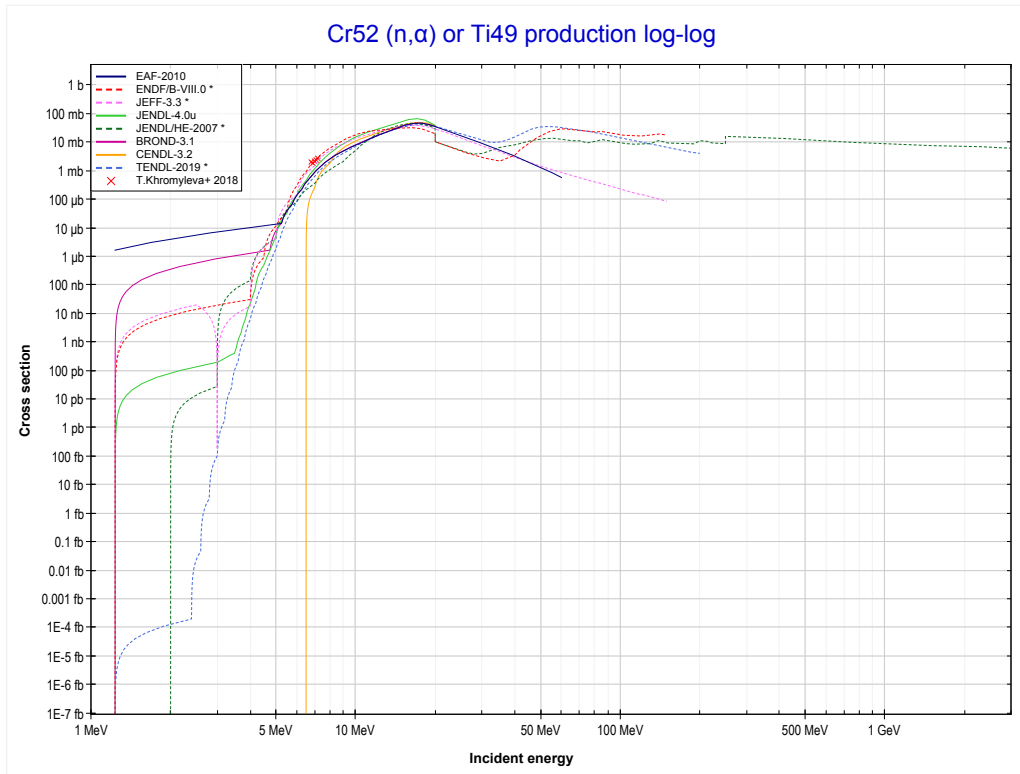
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00115733 b | 0.0770835 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120368 b | 0.089 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114313 b | 0.0848485 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.58988E-4 b | 0.089472 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00116443 b | 0.0882221 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114501 b | 0.076902 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00116443 b | 0.0882221 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00107357 b | 0.0977723 b |

| | | |
|----------------|--|-------------------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (V51 production) | MT107 (n, α) >> |



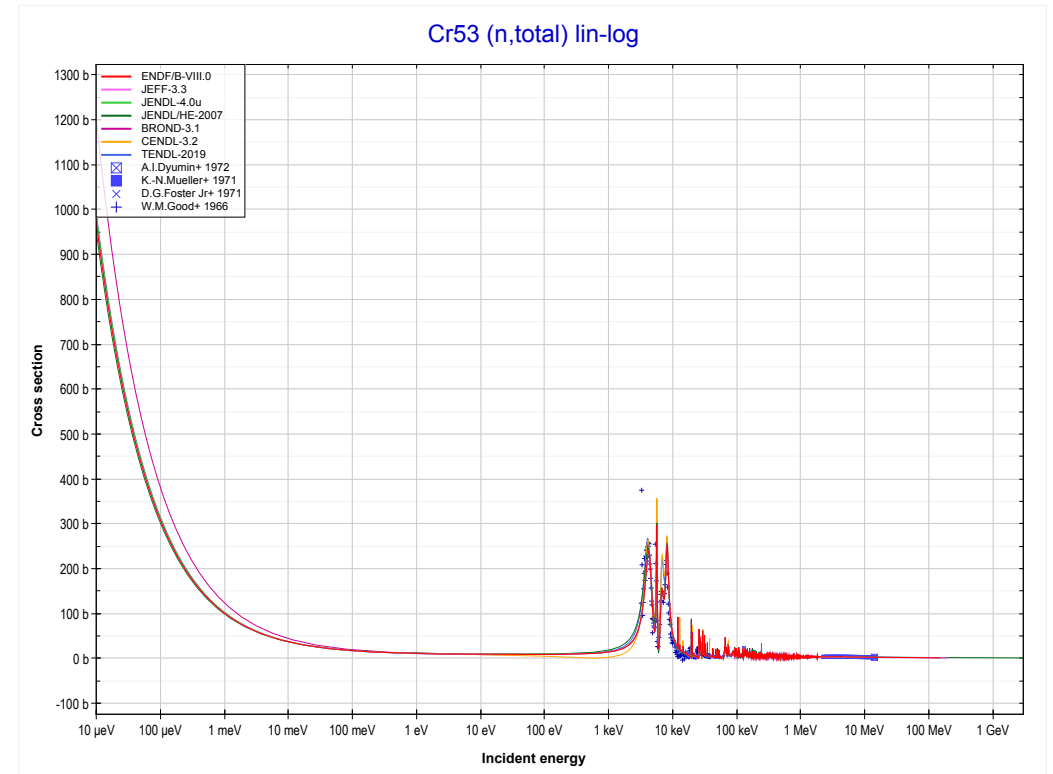
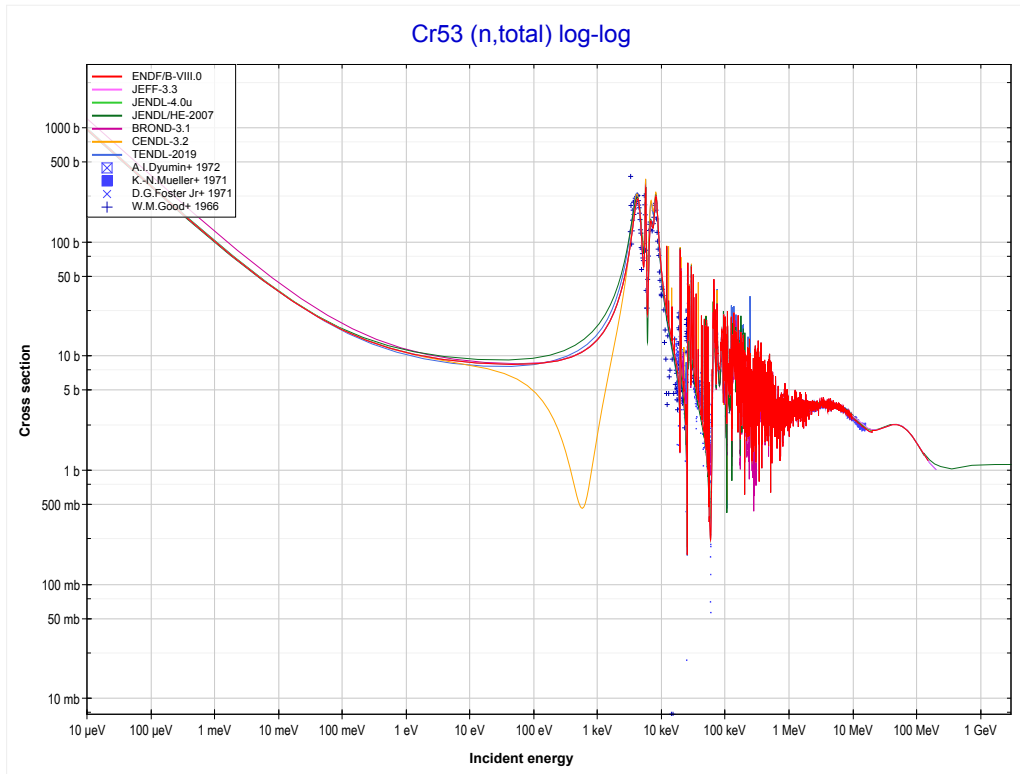
| Reaction | Q-Value |
|--------------------------------------|---------------|
| $^{52}\text{Cr}(n,d)^{51}\text{V}$ | -8279.80 keV |
| $^{52}\text{Cr}(n,n+p)^{51}\text{V}$ | -10504.37 keV |

| | | |
|----------------|---|---------------------------|
| << 24-Cr-50 | 24-Cr-52 | 24-Cr-53 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ti49 production) | 24-Cr-53 MT1 (n,total) >> |



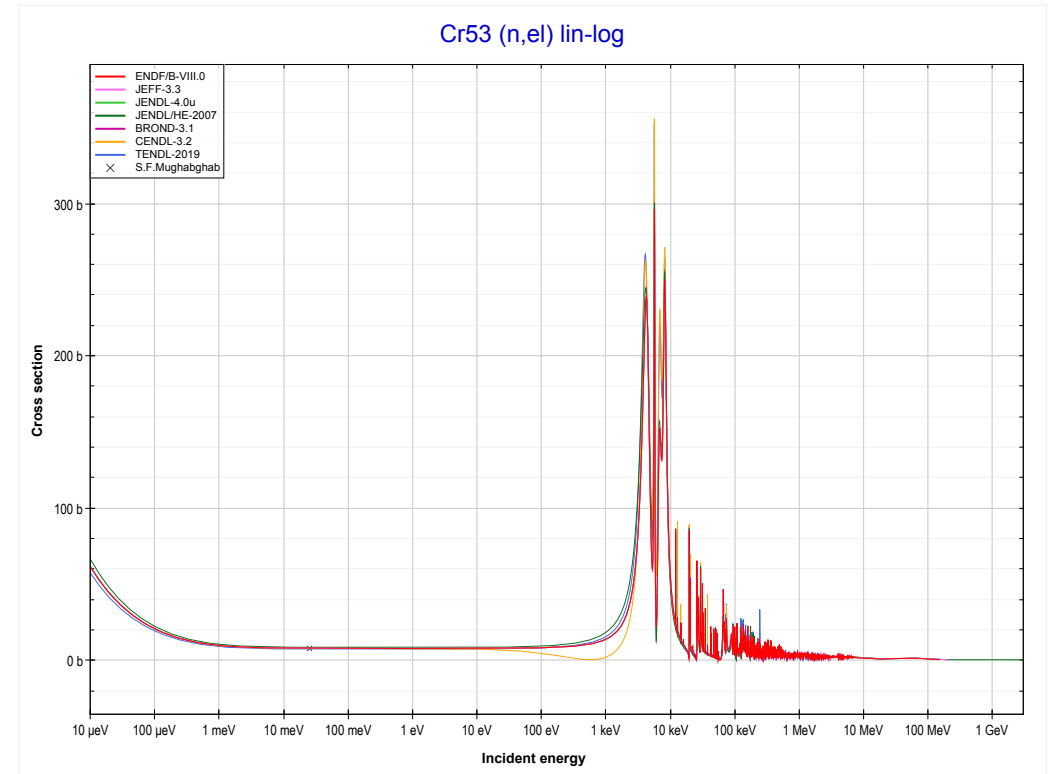
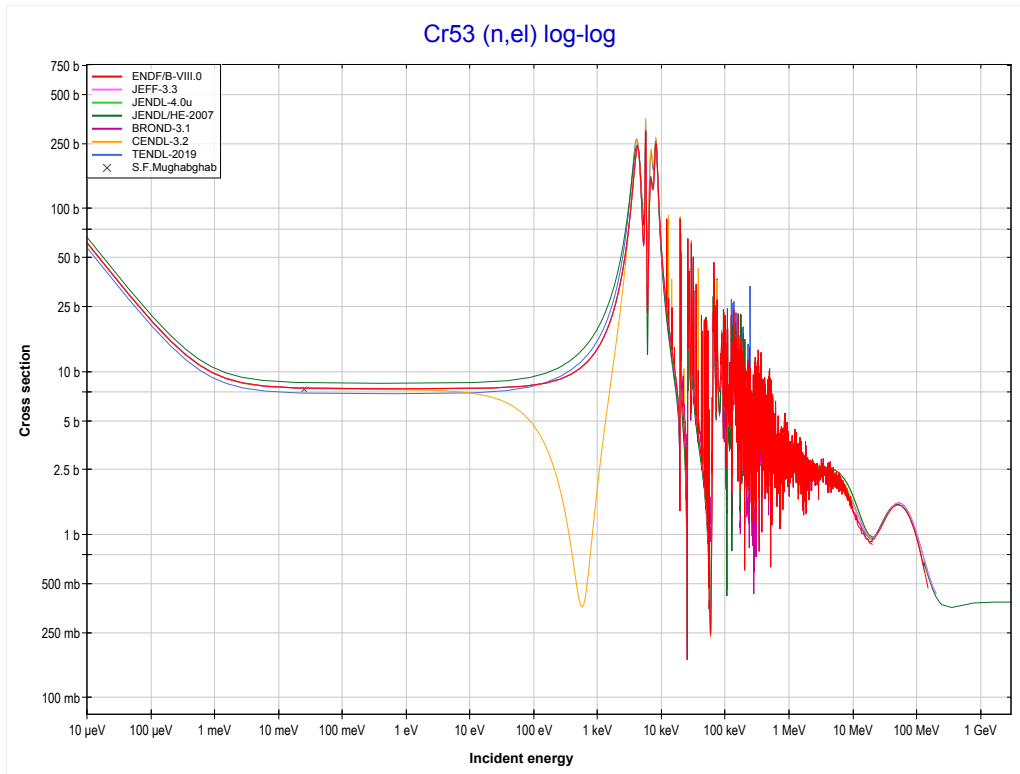
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.66225E-5 b | 0.0290545 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56812E-4 b | 0.0298313 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25501E-4 b | 0.0323915 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.22292E-4 b | 0.0434937 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.09238E-5 b | 0.0349055 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.62245E-5 b | 0.029246 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.57767E-5 b | 0.0327366 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.3725E-5 b | 0.0278014 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << 24-Cr-52 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



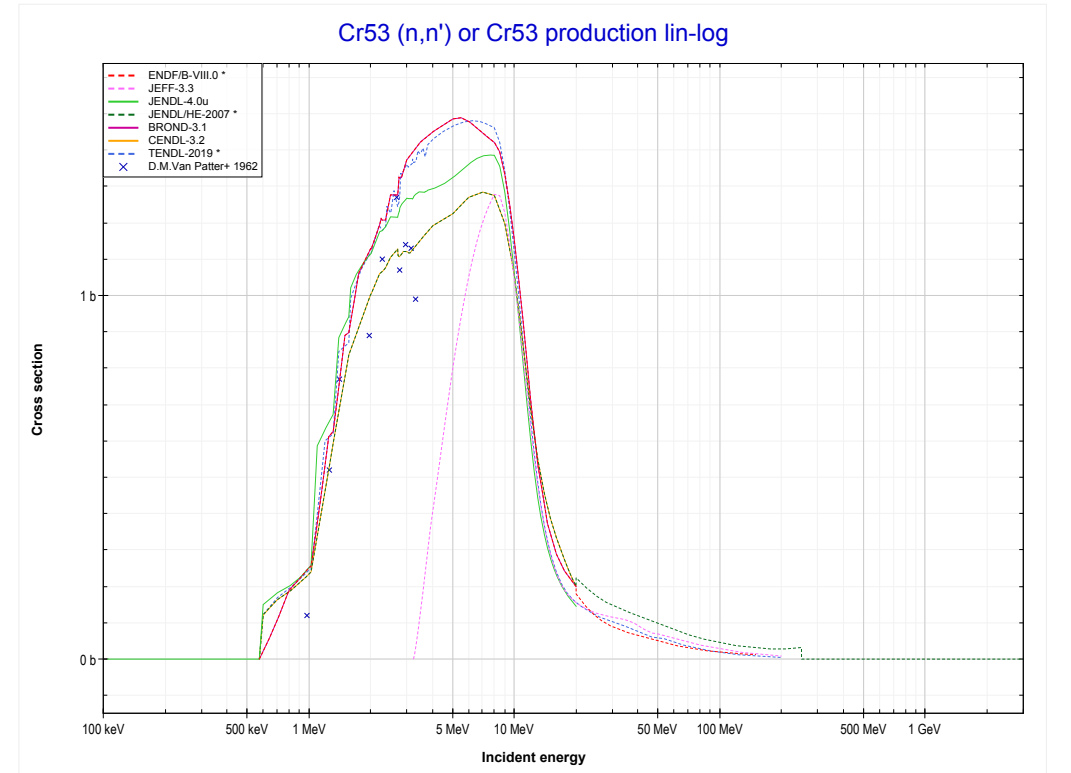
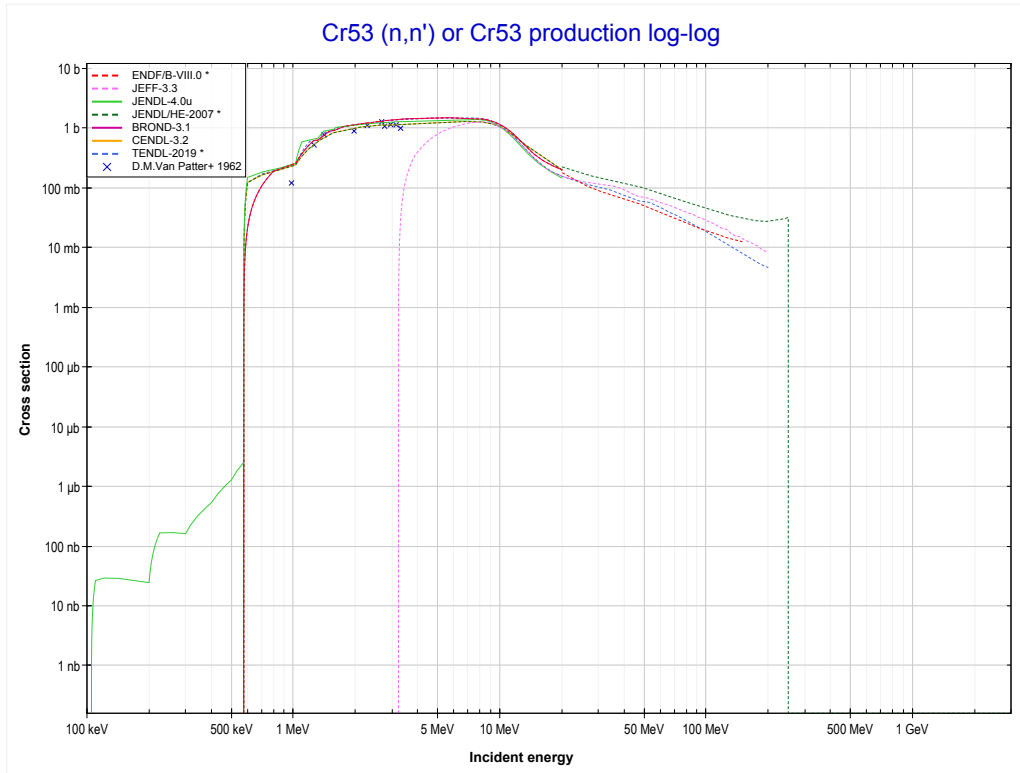
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 25.9891 b | 25.9891 b | 27.009 b | 1.03924 | 297.105 b | 3.83589 b | 2.41771 b |
| JEFF-3.3 | 25.9891 b | 25.9891 b | 27.009 b | 1.03924 | 297.106 b | 3.97585 b | 2.5471 b |
| JENDL-4.0u | 26.3062 b | 26.3062 b | 27.325 b | 1.03874 | 297.232 b | 4.04448 b | 2.50572 b |
| JENDL/HE-2007 | 26.126 b | 26.126 b | 27.223 b | 1.042 | 327.512 b | 3.881 b | 2.45806 b |
| BROND-3.1 | 30.5785 b | 30.5785 b | 31.601 b | 1.03344 | 299.376 b | 3.78038 b | 2.41771 b |
| CENDL-3.2 | 26.0657 b | 26.0657 b | 27.074 b | 1.03867 | 291.25 b | 3.88102 b | 2.45806 b |
| TENDL-2019 | 25.9462 b | 25.9462 b | 26.893 b | 1.03648 | 329.695 b | 3.95285 b | 2.48982 b |

| | | |
|------------------|------------------------|---------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



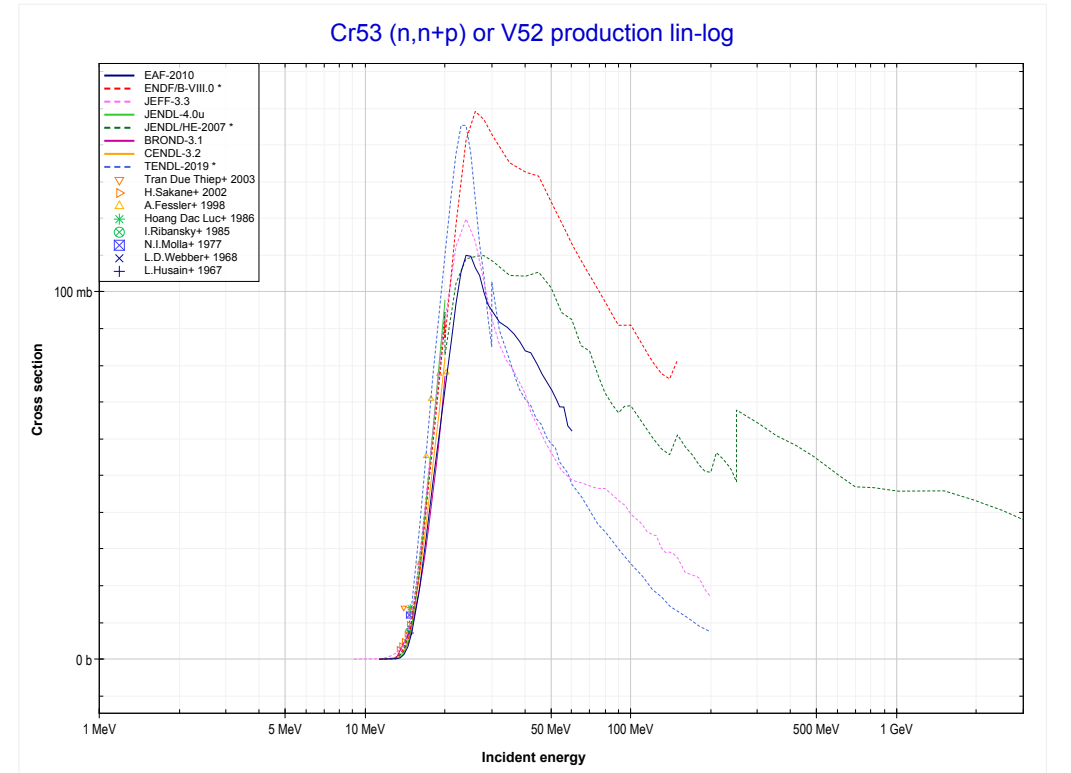
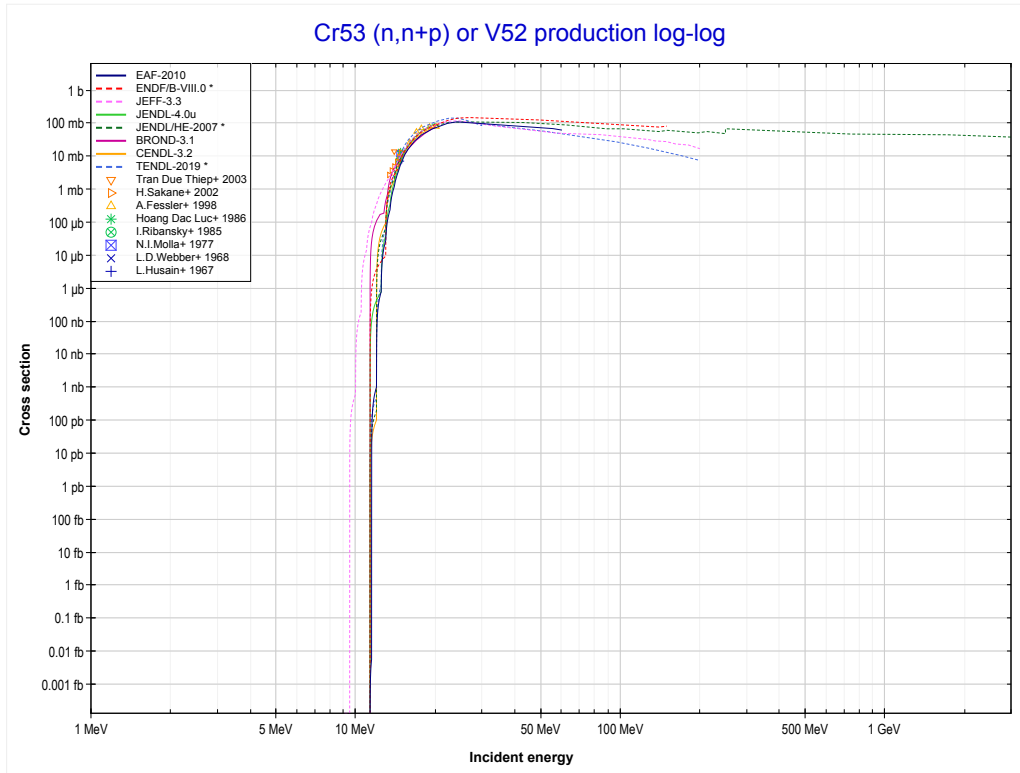
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.89622 b | 7.89622 b | 8.9097 b | 1.12835 | 288.67 b | 3.05065 b | 1.01605 b |
| JEFF-3.3 | 7.89622 b | 7.89622 b | 8.9097 b | 1.12835 | 288.671 b | 3.18212 b | 1.14436 b |
| JENDL-4.0u | 7.89622 b | 7.89622 b | 8.9097 b | 1.12835 | 288.667 b | 3.27115 b | 1.1409 b |
| JENDL/HE-2007 | 8.53638 b | 8.53638 b | 9.6327 b | 1.12843 | 319.153 b | 3.201 b | 1.20583 b |
| BROND-3.1 | 7.89967 b | 7.89967 b | 8.9136 b | 1.12836 | 288.188 b | 2.99551 b | 1.05795 b |
| CENDL-3.2 | 7.85327 b | 7.85327 b | 8.8605 b | 1.12826 | 282.675 b | 3.20087 b | 1.21409 b |
| TENDL-2019 | 7.36583 b | 7.36583 b | 8.3119 b | 1.12844 | 321.014 b | 3.16307 b | 1.08319 b |

| | | |
|--------------------|--|-----------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cr53 production) | MT28 (n,n+p) >> |



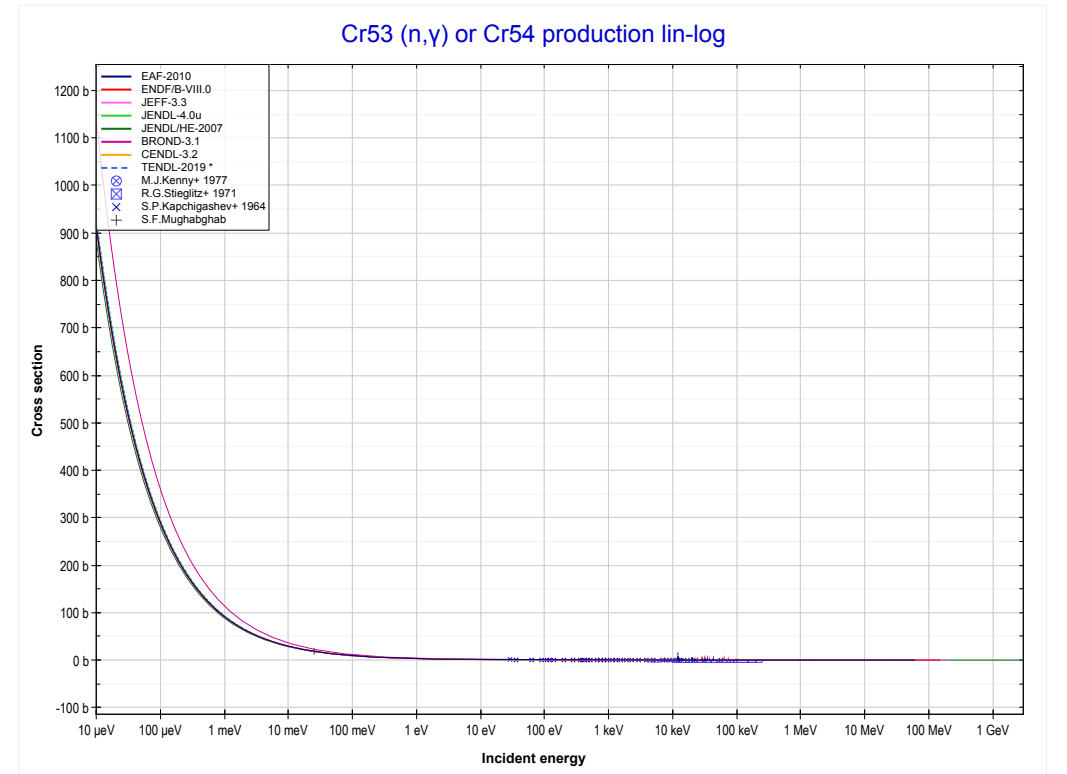
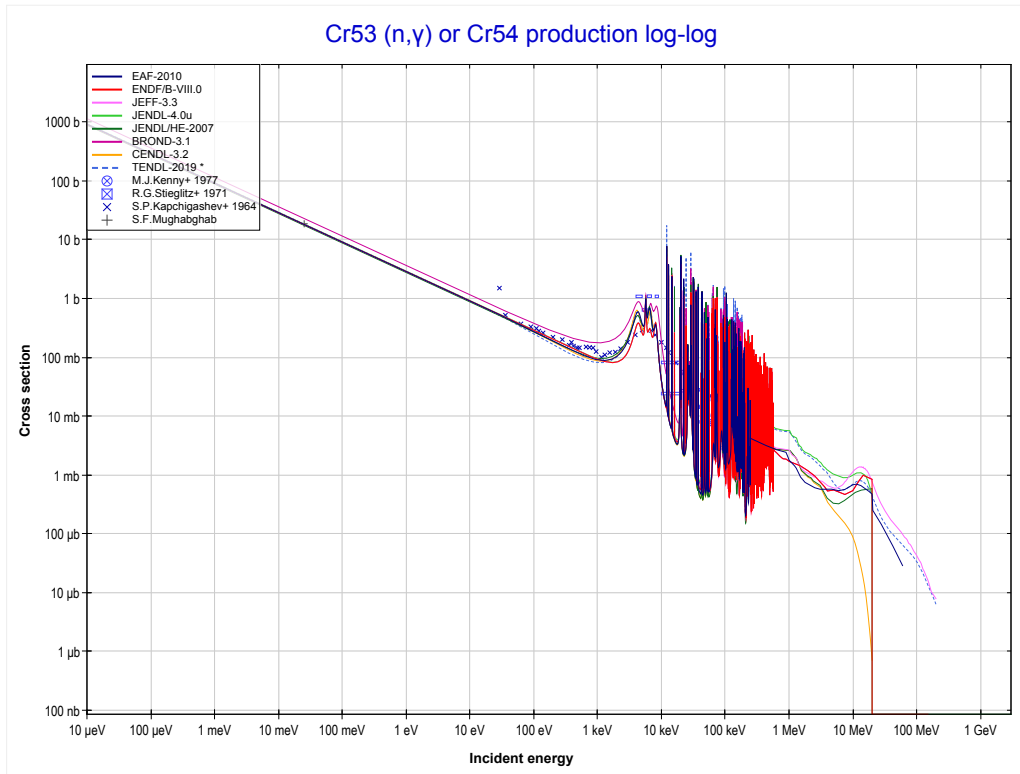
| | |
|---------------|----------|
| Reaction | Q-Value |
| Cr53(n,n)Cr53 | 0.00 keV |

| | | |
|---------------|---|-------------------------|
| << 24-Cr-50 | 24-Cr-53 | 24-Cr-54 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (V52 production) | MT102 (n, γ) >> |



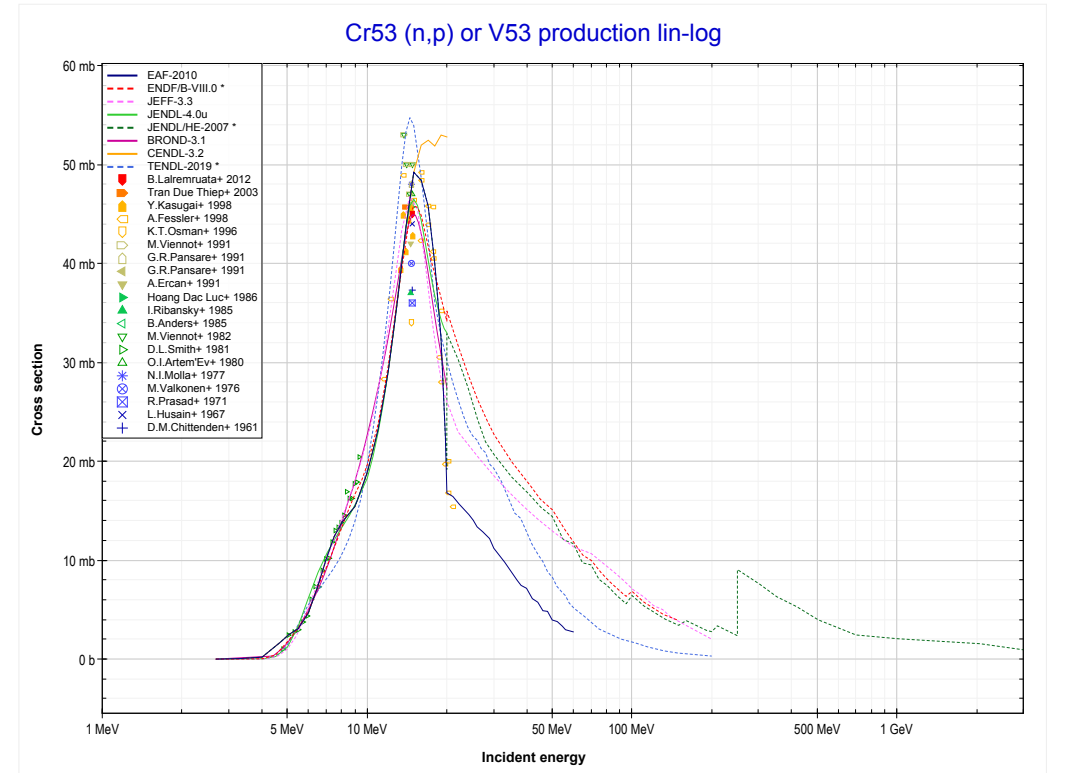
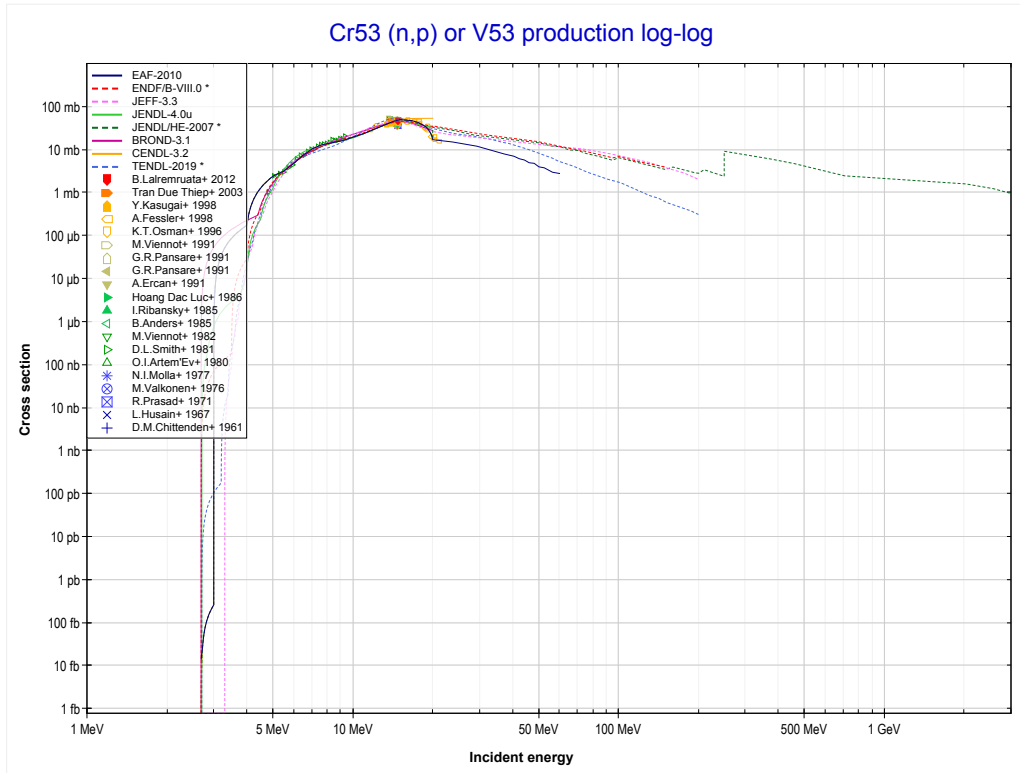
| Reaction | Q-Value |
|----------------|---------------|
| Cr53(n,d)V52 | -8907.60 keV |
| Cr53(n,n+p)V52 | -11132.17 keV |

| | | |
|-----------------|---|----------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cr54 production) | MT103 (n,p) >> |



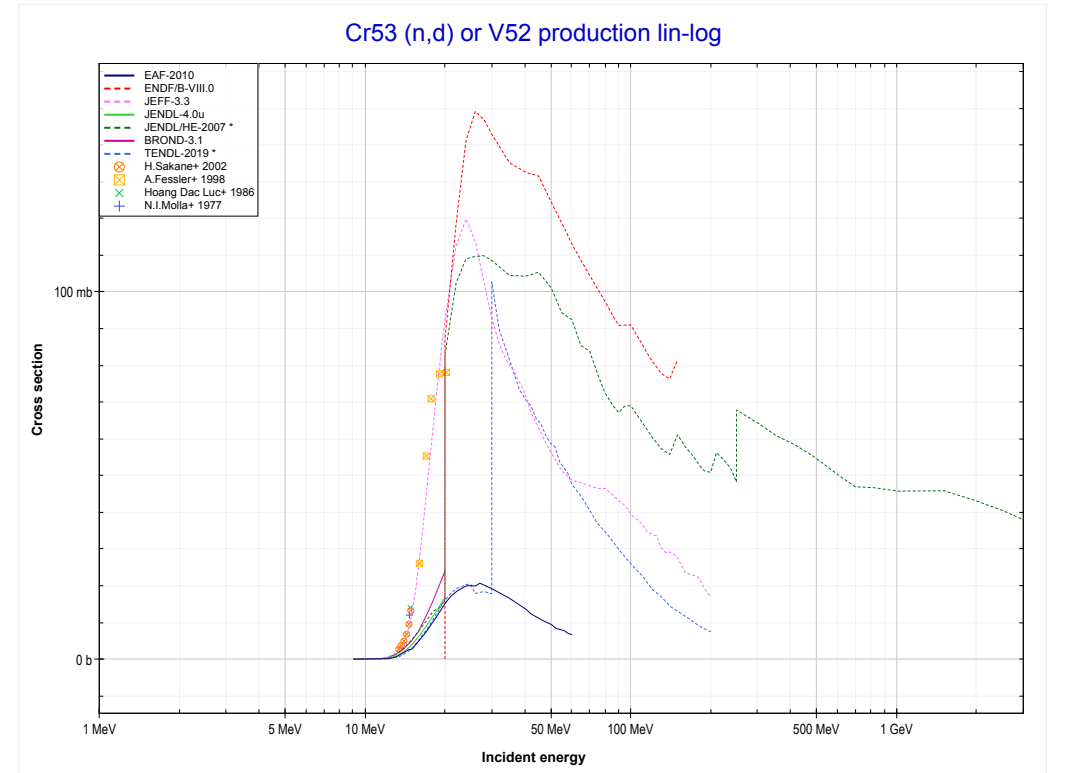
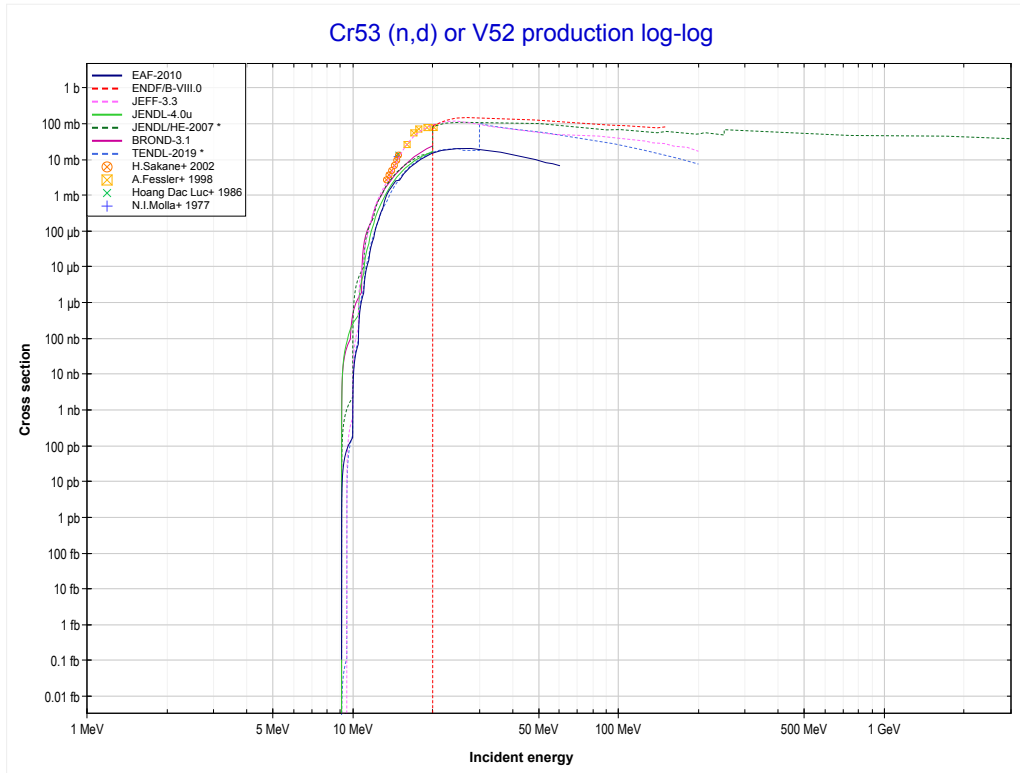
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.2363 b | 18.2226 b | 18.219 b | 0.99981 | 8.60535 b | 0.00180033 b | 6.39056E-4 b |
| ENDF/B-VIII.0 | 18.0929 b | 18.0929 b | 18.099 b | 1.00035 | 8.43476 b | 0.00200546 b | 9.394E-4 b |
| JEFF-3.3 | 18.0929 b | 18.0929 b | 18.099 b | 1.00035 | 8.43477 b | 0.00217773 b | 0.00133675 b |
| JENDL-4.0u | 18.4099 b | 18.4099 b | 18.416 b | 1.00031 | 8.56534 b | 0.00352203 b | 0.00106303 b |
| JENDL/HE-2007 | 17.5896 b | 17.5896 b | 17.59 b | 1.00004 | 8.34781 b | 0.00197877 b | 5.56791E-4 b |
| BROND-3.1 | 22.6788 b | 22.6788 b | 22.687 b | 1.00038 | 11.1886 b | 0.00224081 b | 9.394E-4 b |
| CENDL-3.2 | 18.2123 b | 18.2123 b | 18.213 b | 1.00004 | 8.57276 b | 0.00193973 b | 2.15307E-5 b |
| TENDL-2019 | 18.5803 b | 18.5803 b | 18.581 b | 1.00002 | 8.6312 b | 0.00382666 b | 7.74851E-4 b |

| | | |
|-------------------------|--|----------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (V53 production) | MT104 (n,d) >> |



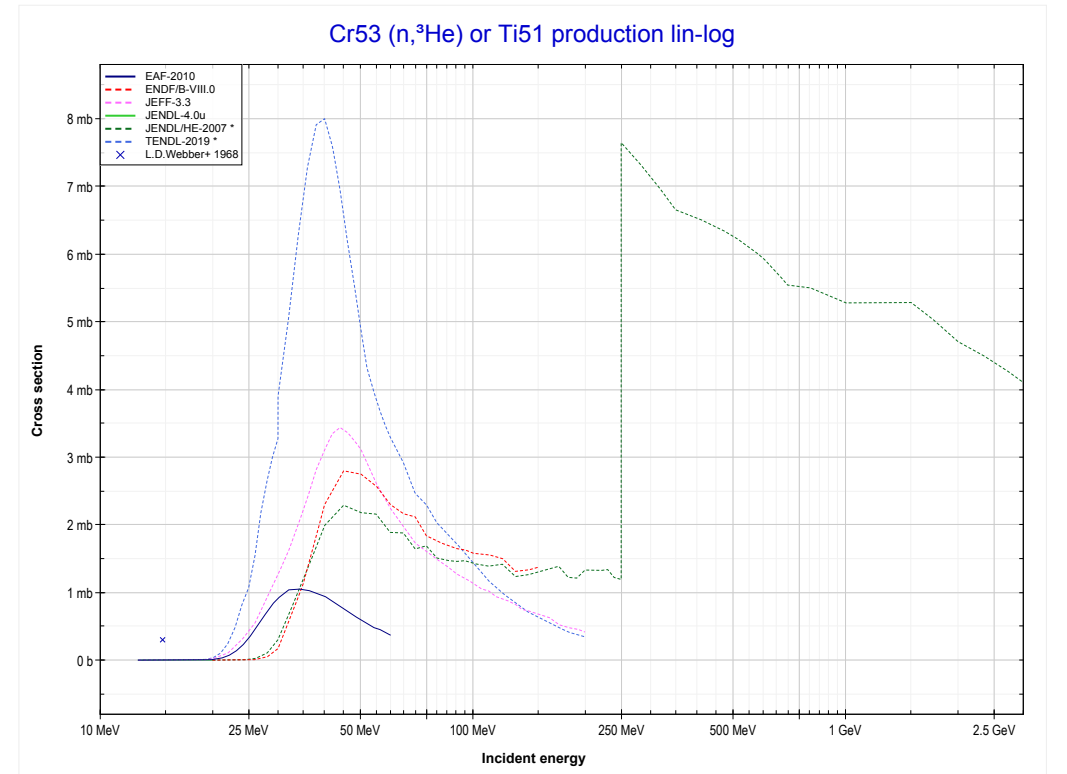
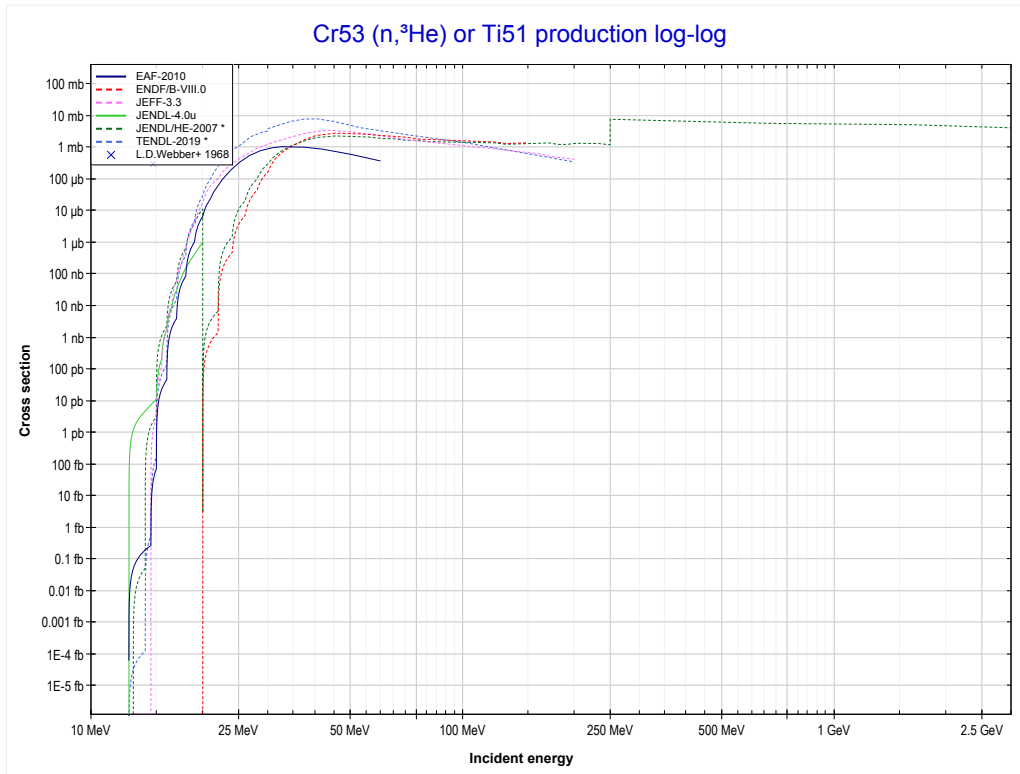
| | |
|-----------------|----------------|
| Reaction | Q-Value |
| Cr53(n,p)V53 | -2653.65 keV |

| | | |
|----------------|--|-------------------------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (V52 production) | MT106 (n, ³ He) >> |



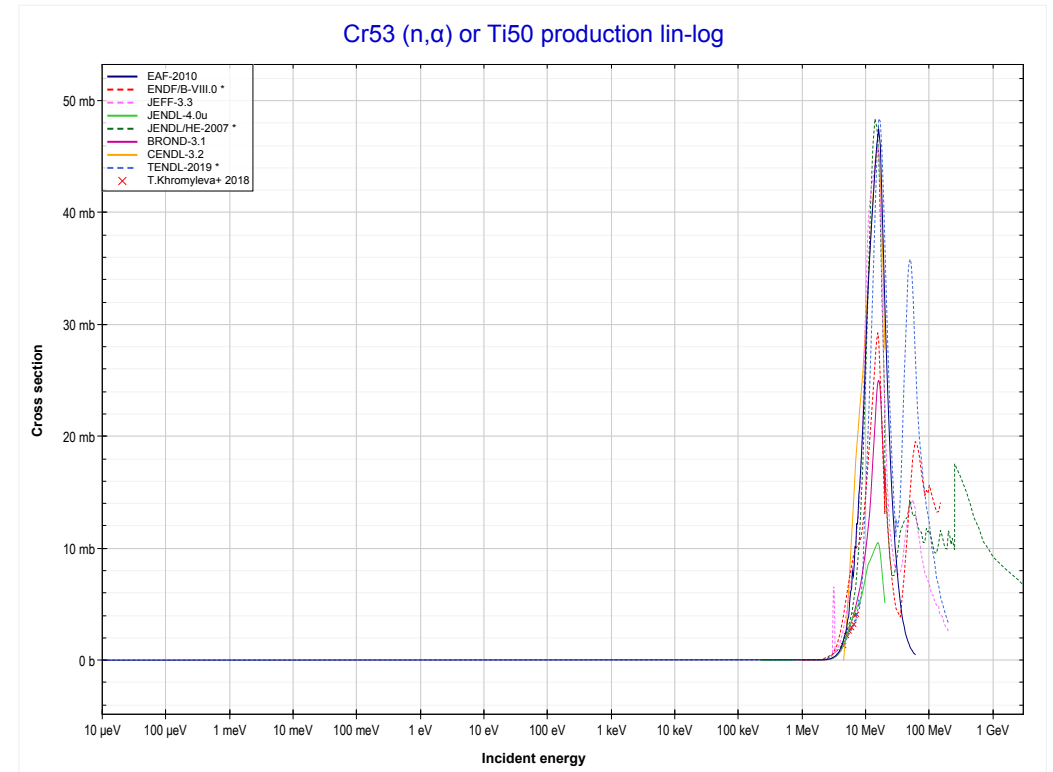
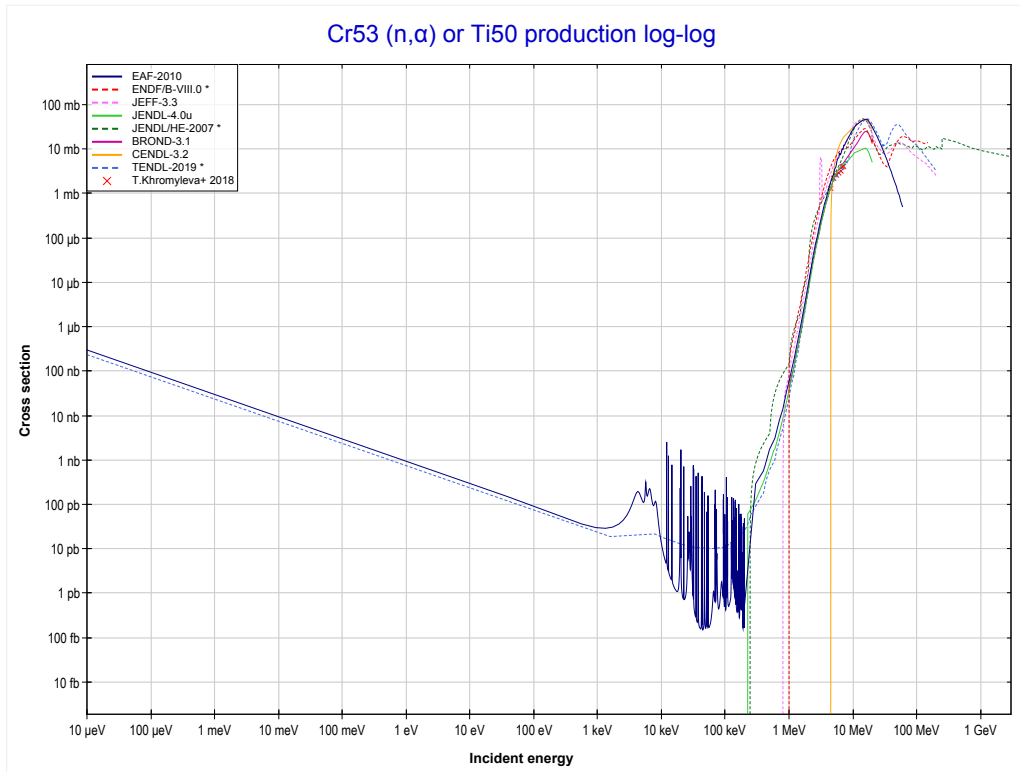
| Reaction | Q-Value |
|----------------|---------------|
| Cr53(n,d)V52 | -8907.60 keV |
| Cr53(n,n+p)V52 | -11132.17 keV |

| | | |
|----------------|--|----------------|
| << 23-V-51 | 24-Cr-53 | 25-Mn-55 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ti51 production) | MT107 (n,α) >> |



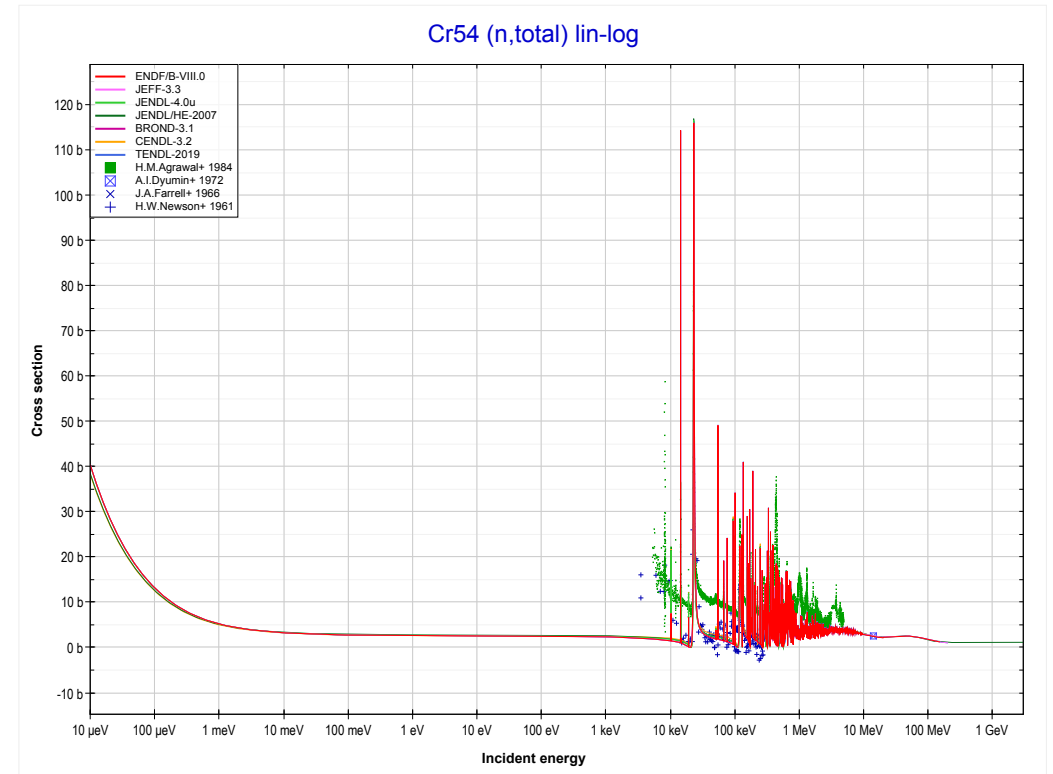
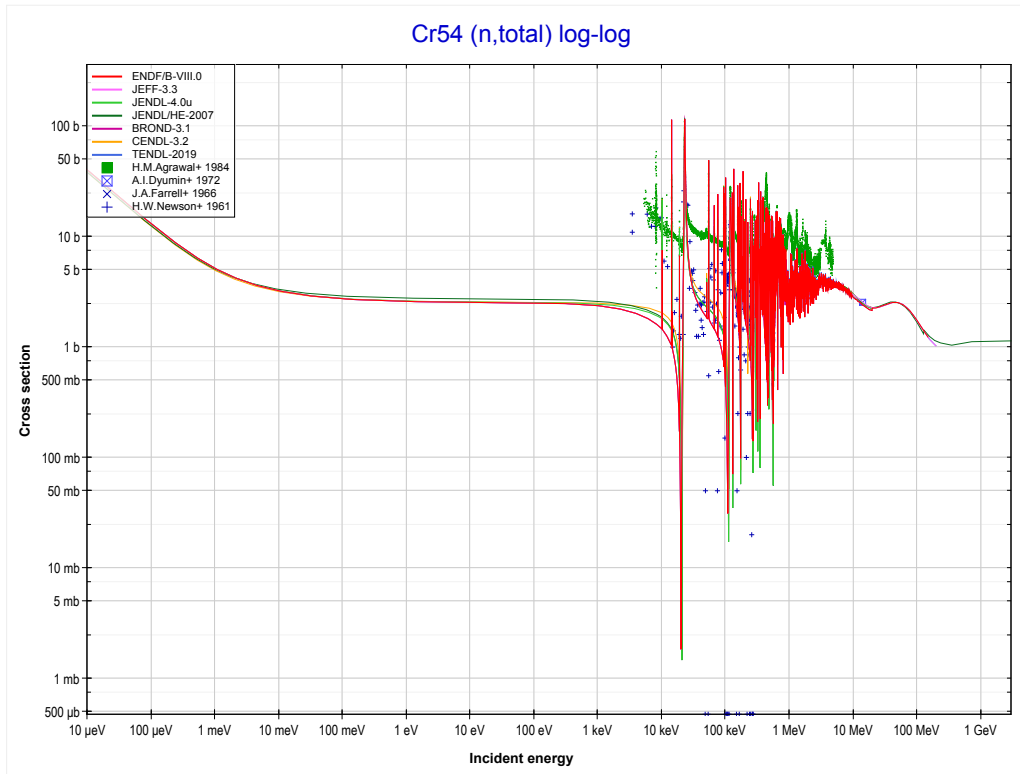
| Reaction | Q-Value |
|------------------|---------------|
| Cr53(n,He3)Ti51 | -12414.10 keV |
| Cr53(n,p+d)Ti51 | -17907.58 keV |
| Cr53(n,n+2p)Ti51 | -20132.14 keV |

| | | |
|-------------------------------|---|---------------------------|
| << 24-Cr-52 | 24-Cr-53 | 24-Cr-54 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ti50 production) | 24-Cr-54 MT1 (n,total) >> |



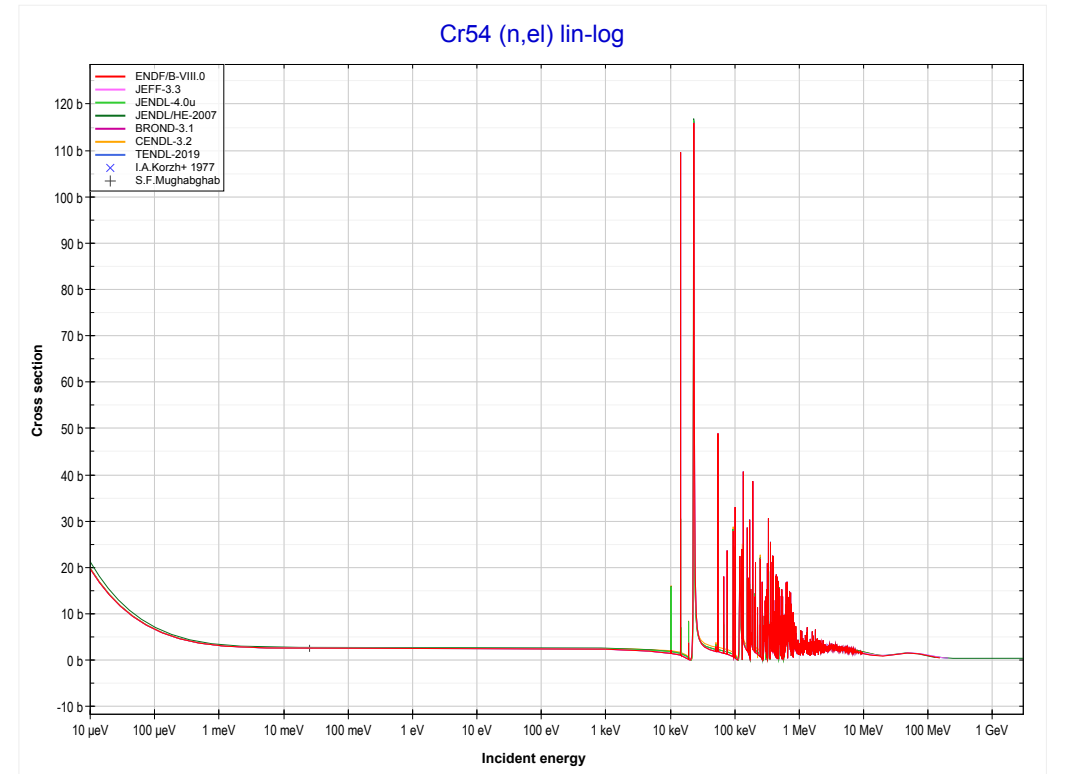
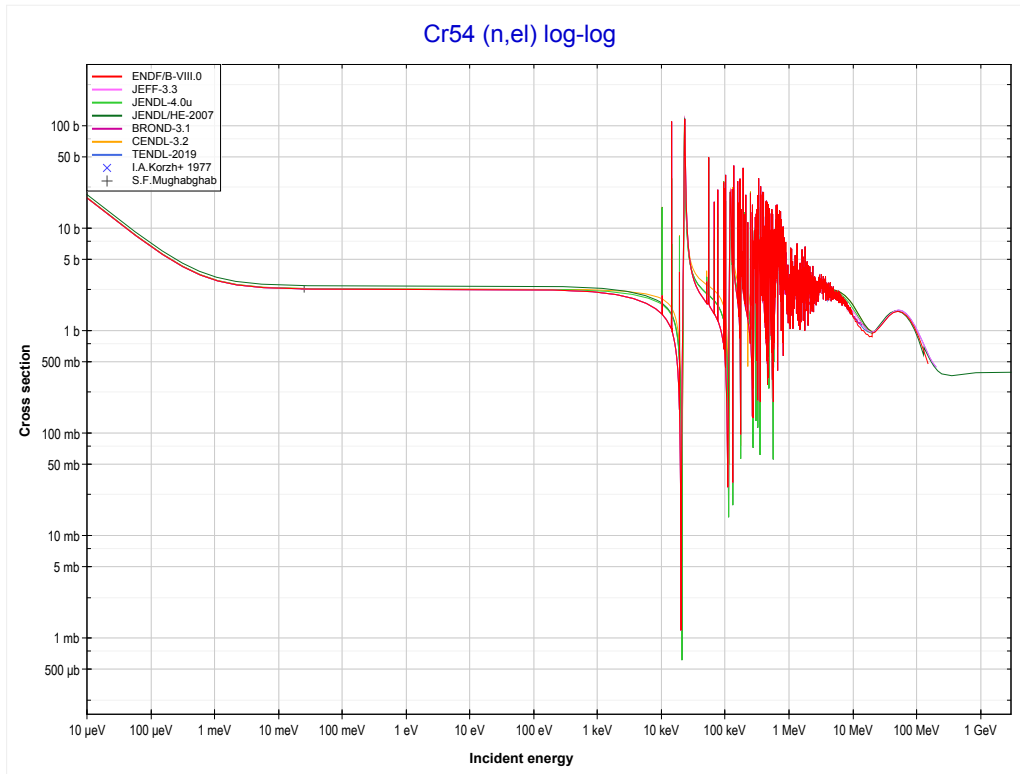
| Reaction | Q-Value |
|-------------------|---------------|
| Cr53(n,α)Ti50 | 1791.06 keV |
| Cr53(n,p+t)Ti50 | -18022.80 keV |
| Cr53(n,n+He3)Ti50 | -18786.56 keV |
| Cr53(n,2d)Ti50 | -22055.47 keV |
| Cr53(n,n+p+d)Ti50 | -24280.03 keV |
| Cr53(n,2n+2p)Ti50 | -26504.60 keV |

| | | |
|----------------------------------|----------------------|--------------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-55 >> |
| << 24-Cr-53 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



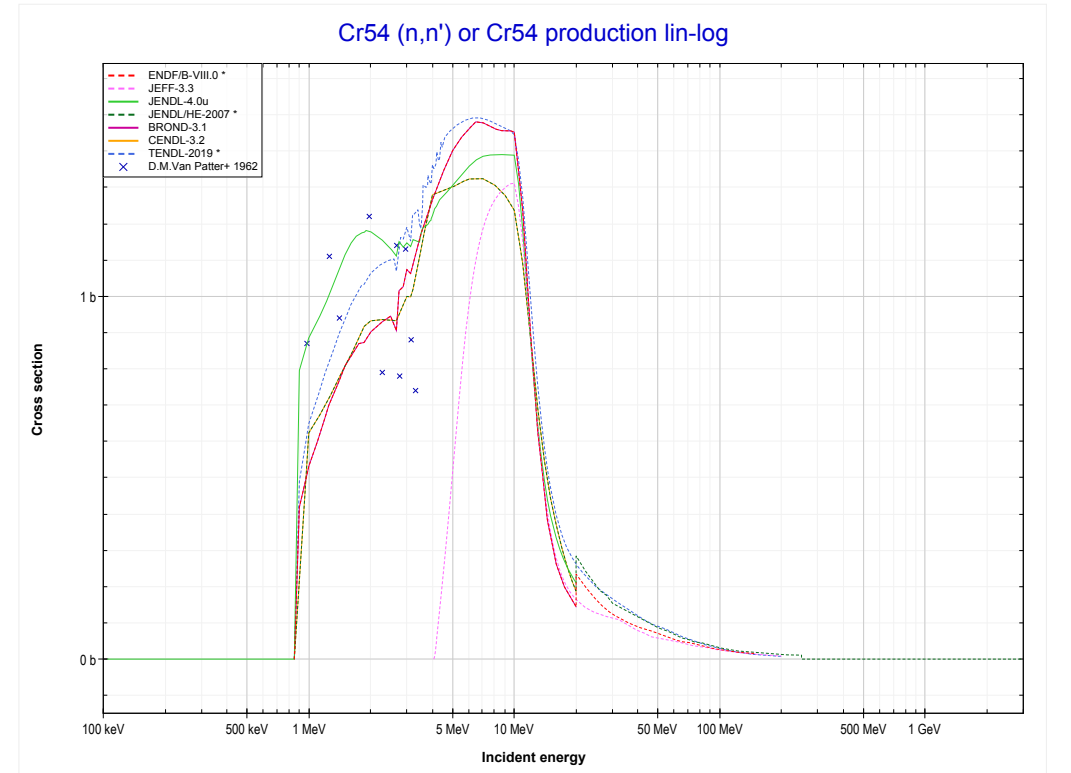
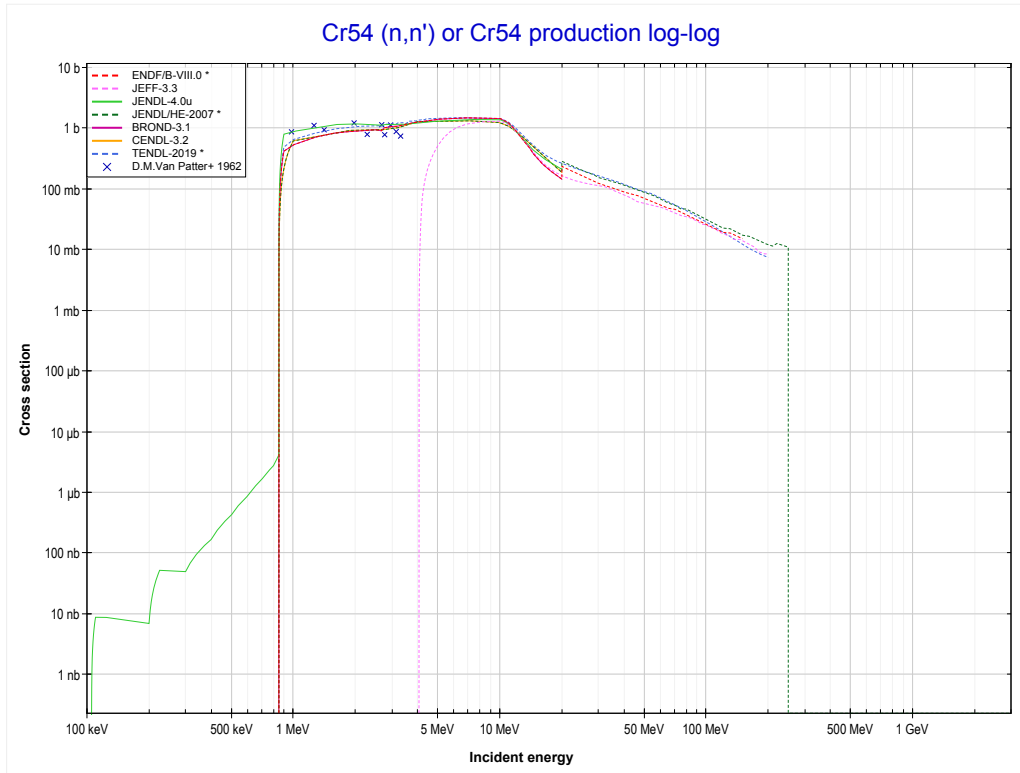
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.95513 b | 2.95513 b | 3.2818 b | 1.11053 | 33.42 b | 3.41529 b | 2.41771 b |
| JEFF-3.3 | 2.95513 b | 2.95513 b | 3.2818 b | 1.11053 | 33.42 b | 3.54732 b | 2.5674 b |
| JENDL-4.0u | 2.96895 b | 2.96895 b | 3.2982 b | 1.11089 | 33.833 b | 3.7467 b | 2.52729 b |
| JENDL/HE-2007 | 3.08535 b | 3.08535 b | 3.4376 b | 1.11415 | 35.4272 b | 3.56264 b | 2.49965 b |
| BROND-3.1 | 2.95513 b | 2.95513 b | 3.2818 b | 1.11053 | 33.42 b | 3.41711 b | 2.41771 b |
| CENDL-3.2 | 2.93055 b | 2.93055 b | 3.2601 b | 1.11244 | 35.0325 b | 3.6603 b | 2.49965 b |
| TENDL-2019 | 2.95557 b | 2.95557 b | 3.2823 b | 1.11055 | 33.4369 b | 3.50053 b | 2.4876 b |

| | | |
|------------------|------------------------|---------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-55 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



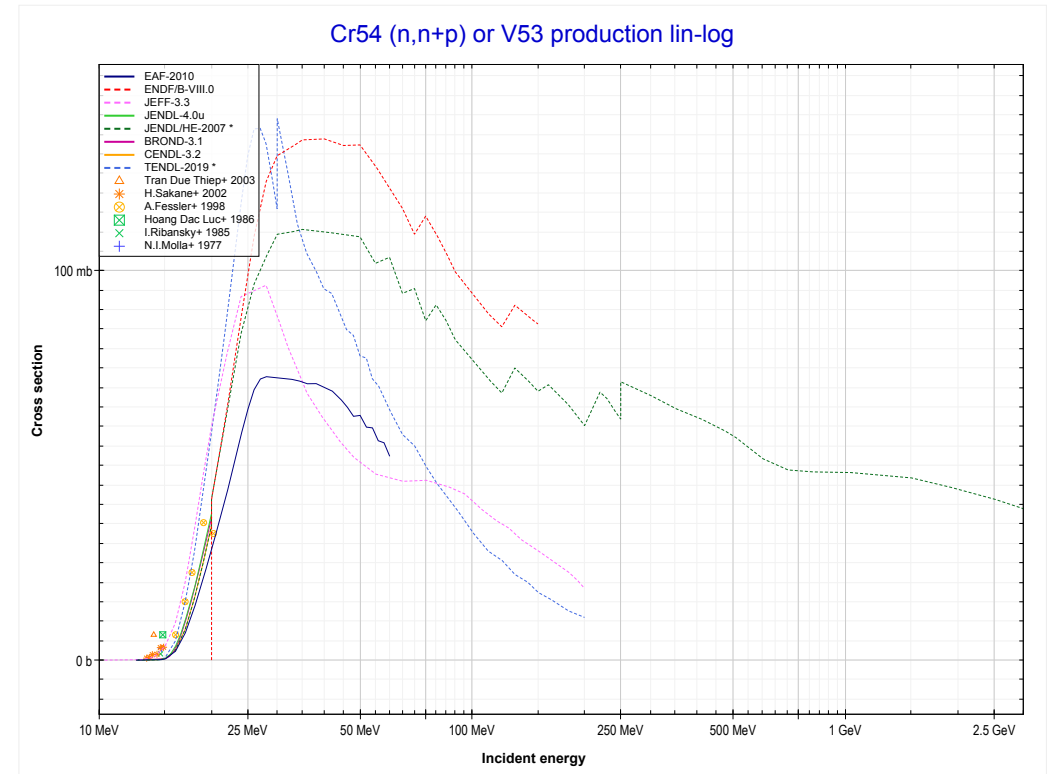
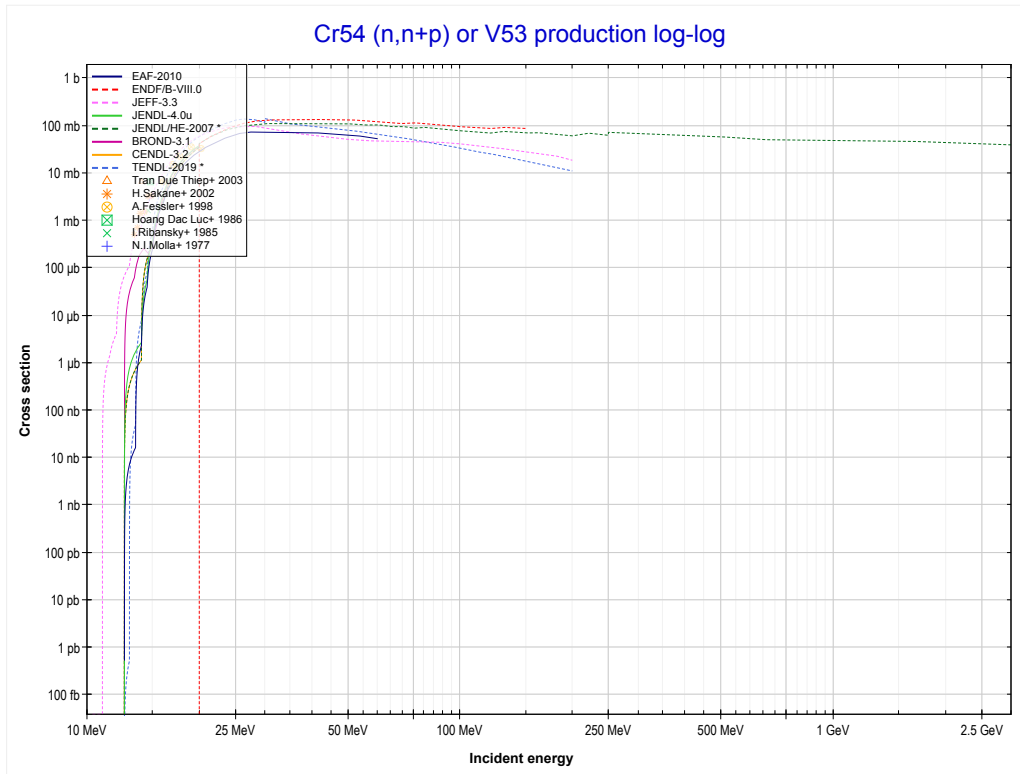
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.54392 b | 2.54392 b | 2.8704 b | 1.12834 | 33.221 b | 2.72482 b | 1.00133 b |
| JEFF-3.3 | 2.54392 b | 2.54392 b | 2.8704 b | 1.12834 | 33.221 b | 2.76529 b | 1.154 b |
| JENDL-4.0u | 2.56409 b | 2.56409 b | 2.8932 b | 1.12834 | 33.6341 b | 2.923 b | 1.17256 b |
| JENDL/HE-2007 | 2.74278 b | 2.74278 b | 3.095 b | 1.1284 | 35.2527 b | 2.88481 b | 1.24865 b |
| BROND-3.1 | 2.54392 b | 2.54392 b | 2.8704 b | 1.12834 | 33.221 b | 2.72677 b | 1.1389 b |
| CENDL-3.2 | 2.56613 b | 2.56613 b | 2.8956 b | 1.1284 | 34.8536 b | 2.98221 b | 1.24927 b |
| TENDL-2019 | 2.54448 b | 2.54448 b | 2.8712 b | 1.1284 | 33.2351 b | 2.72411 b | 1.07907 b |

| | | |
|--------------------|--|-----------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-55 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cr54 production) | MT28 (n,n+p) >> |



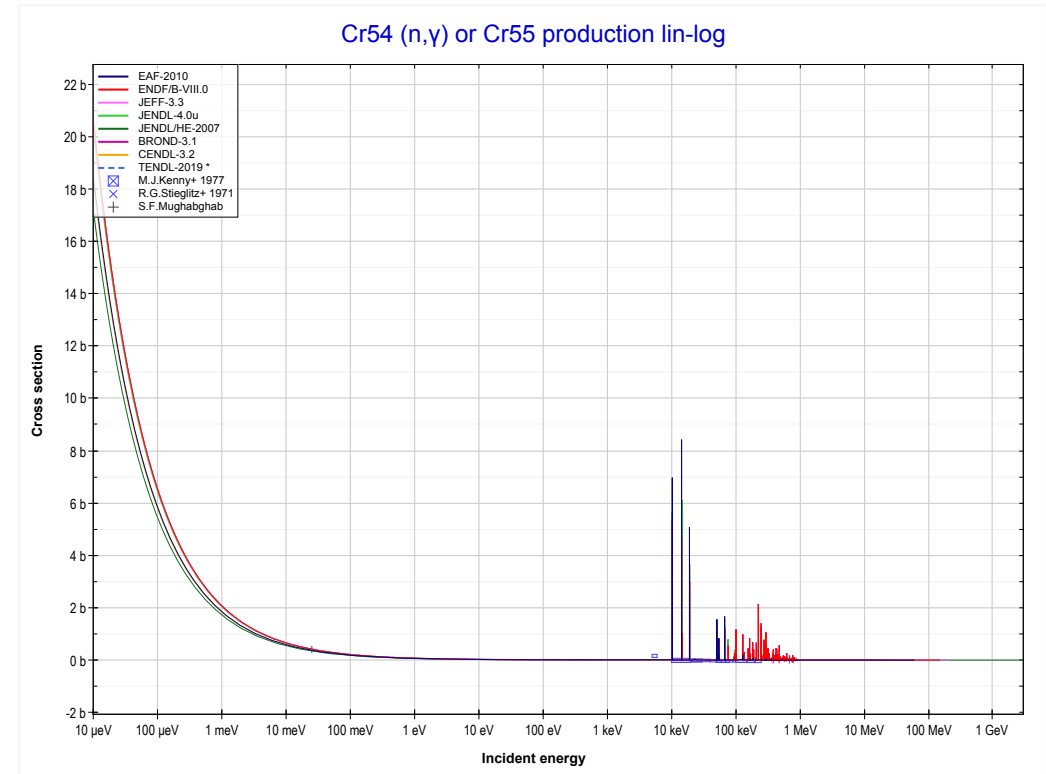
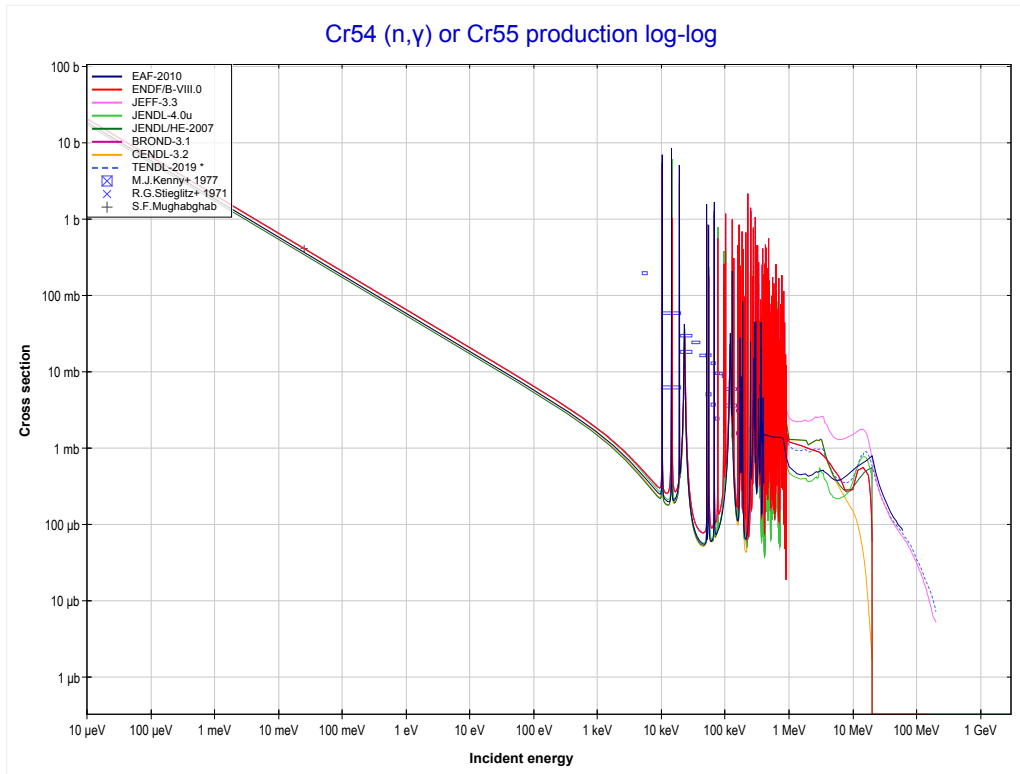
| | |
|---------------|----------|
| Reaction | Q-Value |
| Cr54(n,n)Cr54 | 0.00 keV |

| | | |
|---------------|---|-------------------------|
| << 24-Cr-53 | 24-Cr-54 | 26-Fe-54 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (V53 production) | MT102 (n, γ) >> |



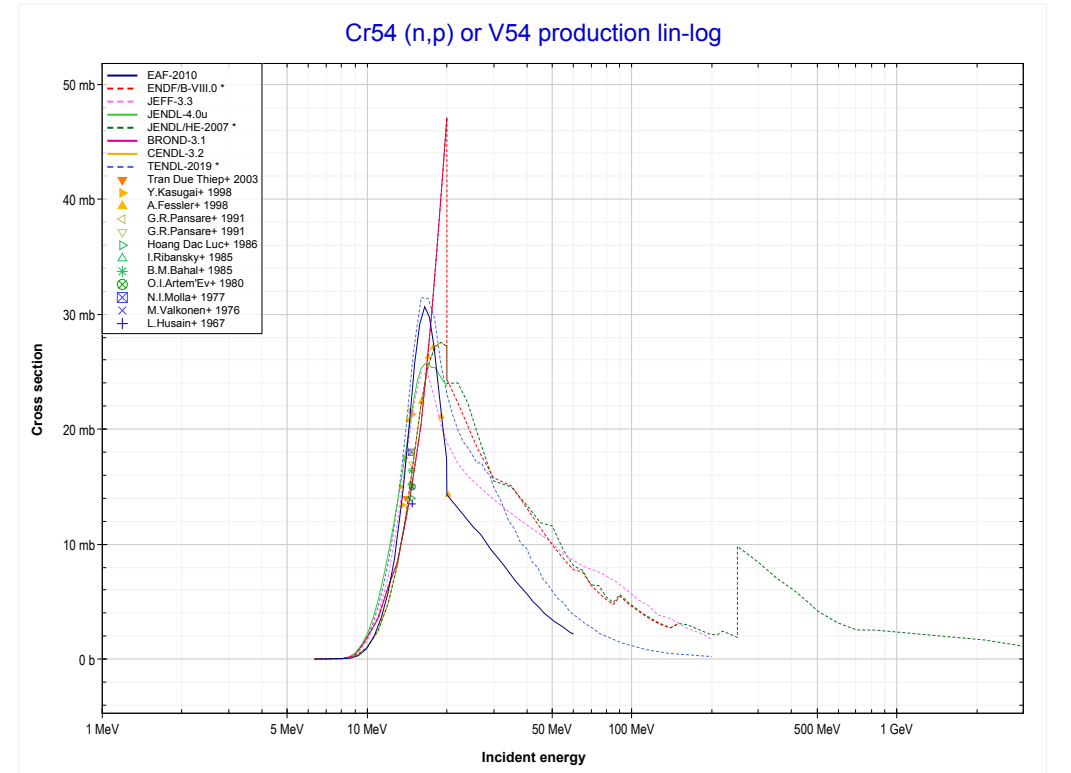
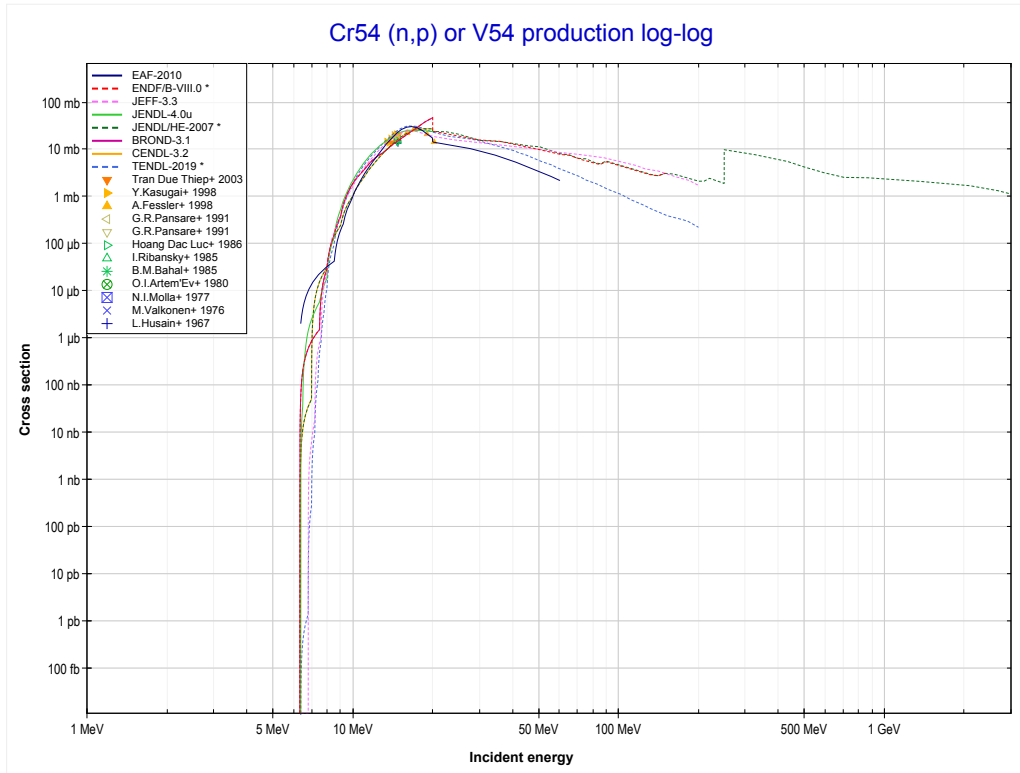
| Reaction | Q-Value |
|----------------|---------------|
| Cr54(n,d)V53 | -10148.20 keV |
| Cr54(n,n+p)V53 | -12372.77 keV |

| | | |
|-----------------|---|----------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-53 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cr55 production) | MT103 (n,p) >> |



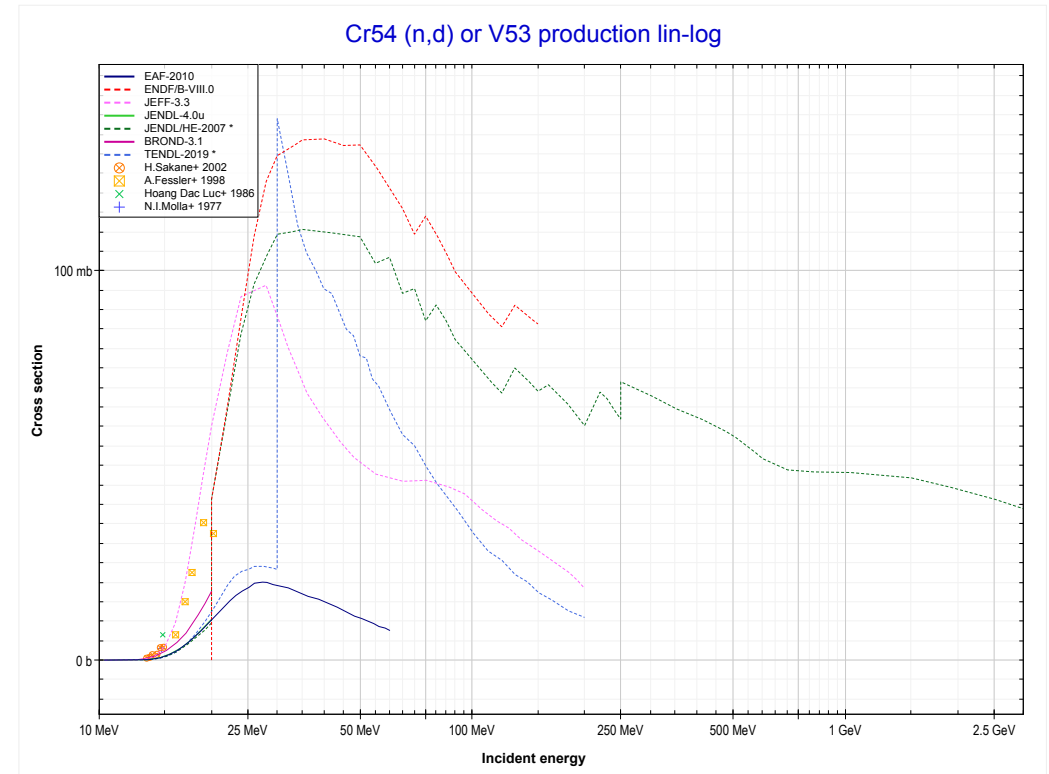
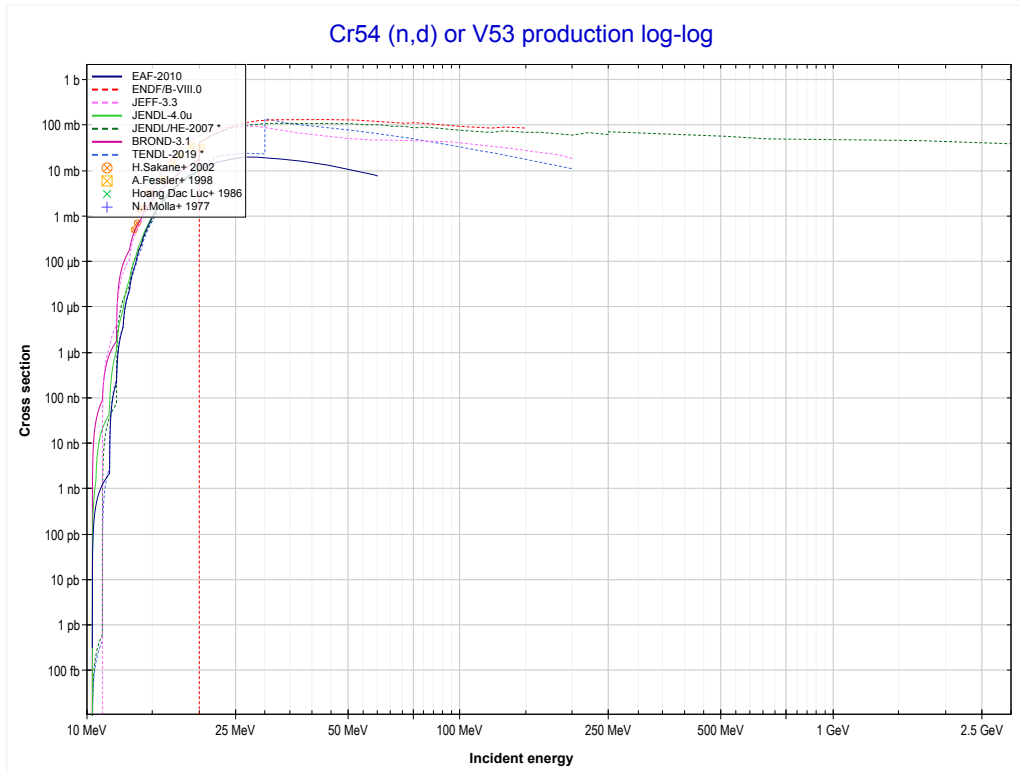
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.368222 b | 0.367947 b | 0.36786 b | 0.99976 | 0.18117 b | 8.05978E-4 b | 6.22377E-4 b |
| ENDF/B-VIII.0 | 0.411208 b | 0.411208 b | 0.41135 b | 1.00035 | 0.199001 b | 0.00165703 b | 5.454E-4 b |
| JEFF-3.3 | 0.411208 b | 0.411208 b | 0.41135 b | 1.00035 | 0.199001 b | 0.00265373 b | 0.00175949 b |
| JENDL-4.0u | 0.404861 b | 0.404861 b | 0.405 b | 1.00035 | 0.198935 b | 6.93568E-4 b | 7.50383E-4 b |
| JENDL/HE-2007 | 0.34257 b | 0.34257 b | 0.34259 b | 1.00005 | 0.170908 b | 0.00130075 b | 4.45304E-4 b |
| BROND-3.1 | 0.411208 b | 0.411208 b | 0.41135 b | 1.00035 | 0.199001 b | 0.00167144 b | 5.454E-4 b |
| CENDL-3.2 | 0.364419 b | 0.364419 b | 0.36444 b | 1.00005 | 0.176096 b | 0.00155774 b | 5.10636E-5 b |
| TENDL-2019 | 0.41108 b | 0.41108 b | 0.4111 b | 1.00005 | 0.198652 b | 0.00161849 b | 7.65633E-4 b |

| | | |
|-------------------------|--|----------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-55 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (V54 production) | MT104 (n,d) >> |



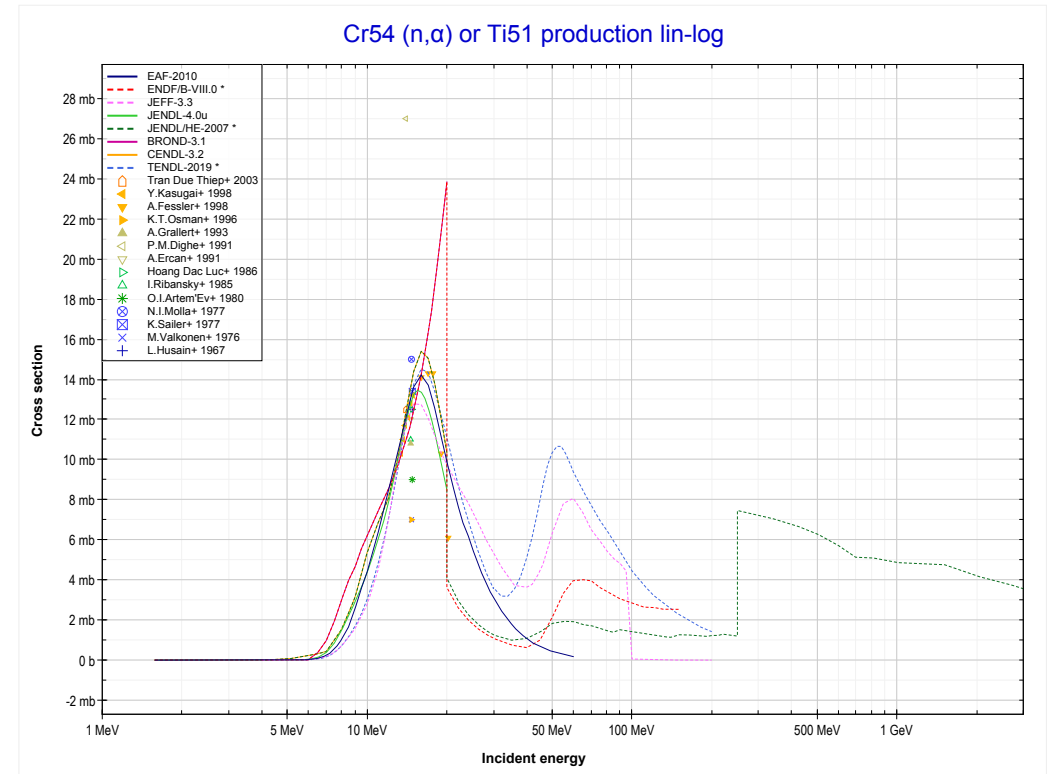
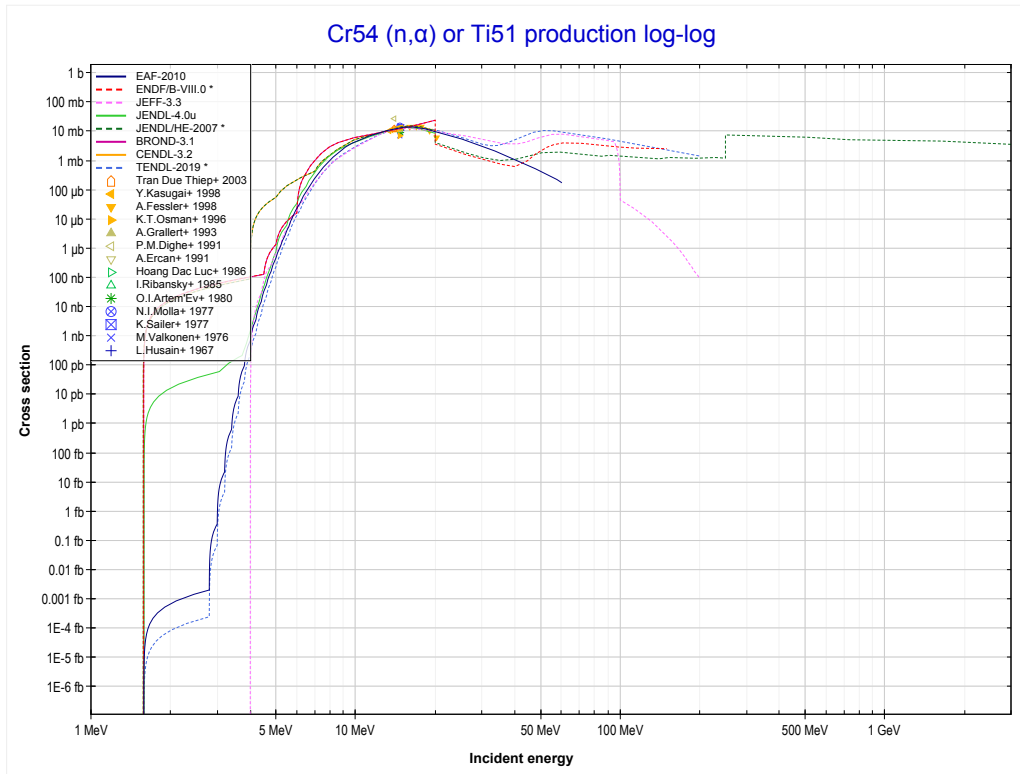
| | |
|--------------|--------------|
| Reaction | Q-Value |
| Cr54(n,p)V54 | -6259.45 keV |

| | | |
|----------------|--|-------------------------|
| << 24-Cr-53 | 24-Cr-54 | 26-Fe-54 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (V53 production) | MT107 (n, α) >> |



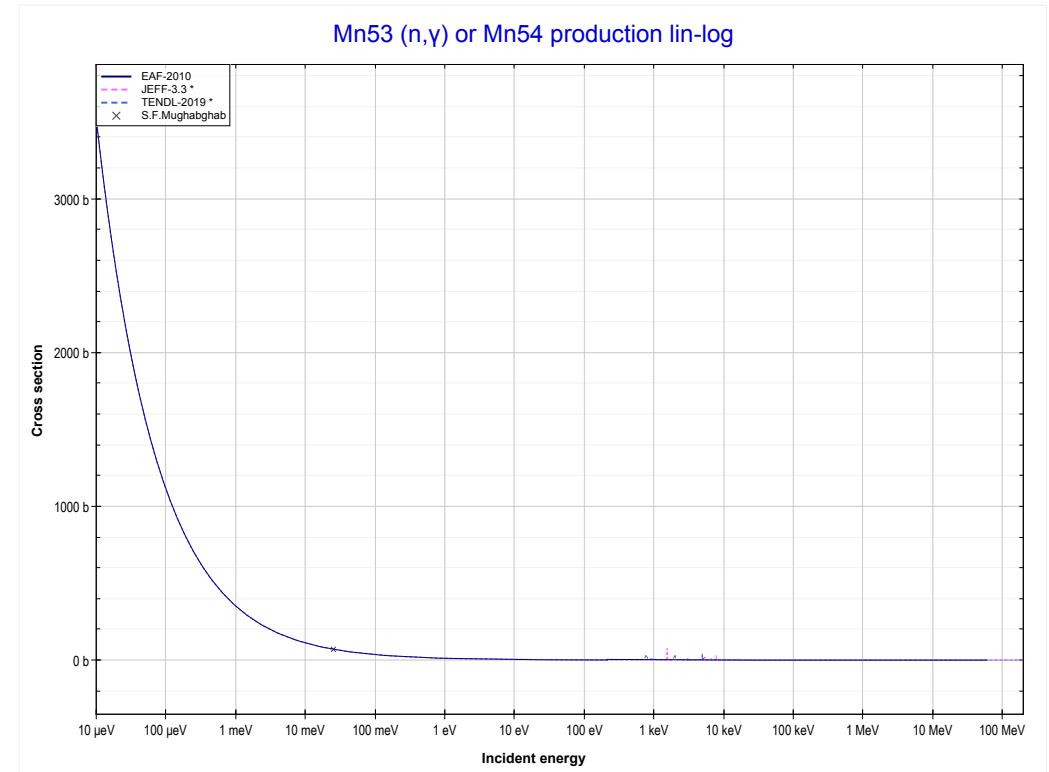
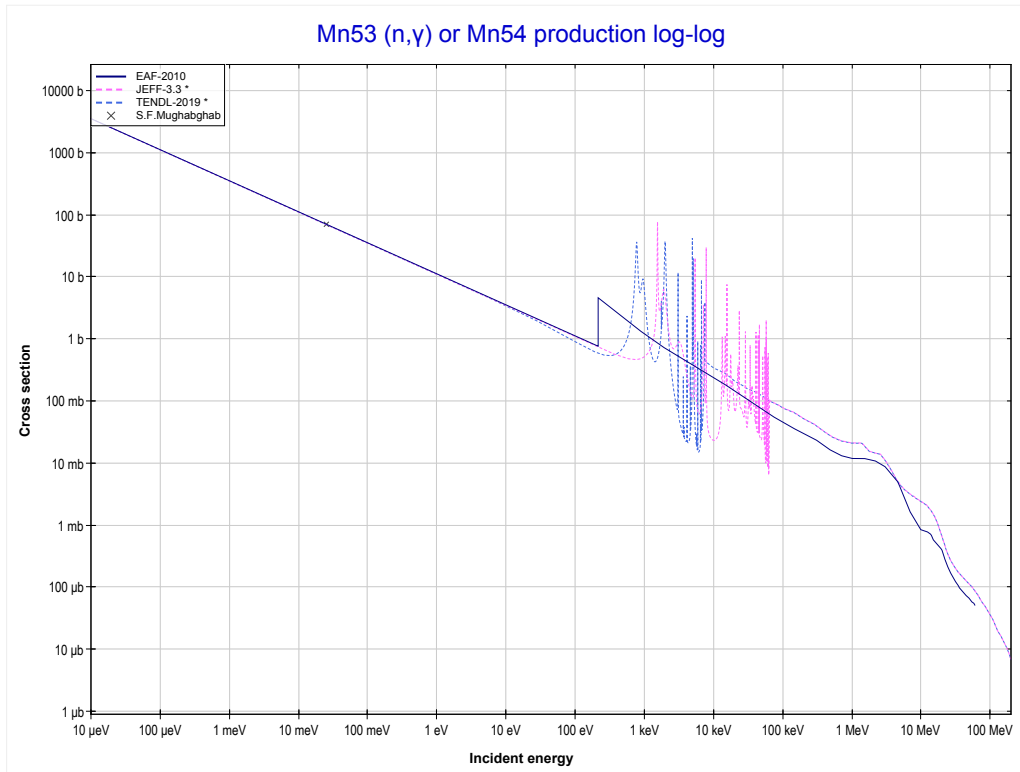
| Reaction | Q-Value |
|----------------|---------------|
| Cr54(n,d)V53 | -10148.20 keV |
| Cr54(n,n+p)V53 | -12372.77 keV |

| | | |
|----------------|---|----------------------------------|
| << 24-Cr-53 | 24-Cr-54 | 25-Mn-55 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ti51 production) | 25-Mn-53 MT102 (n, γ) >> |



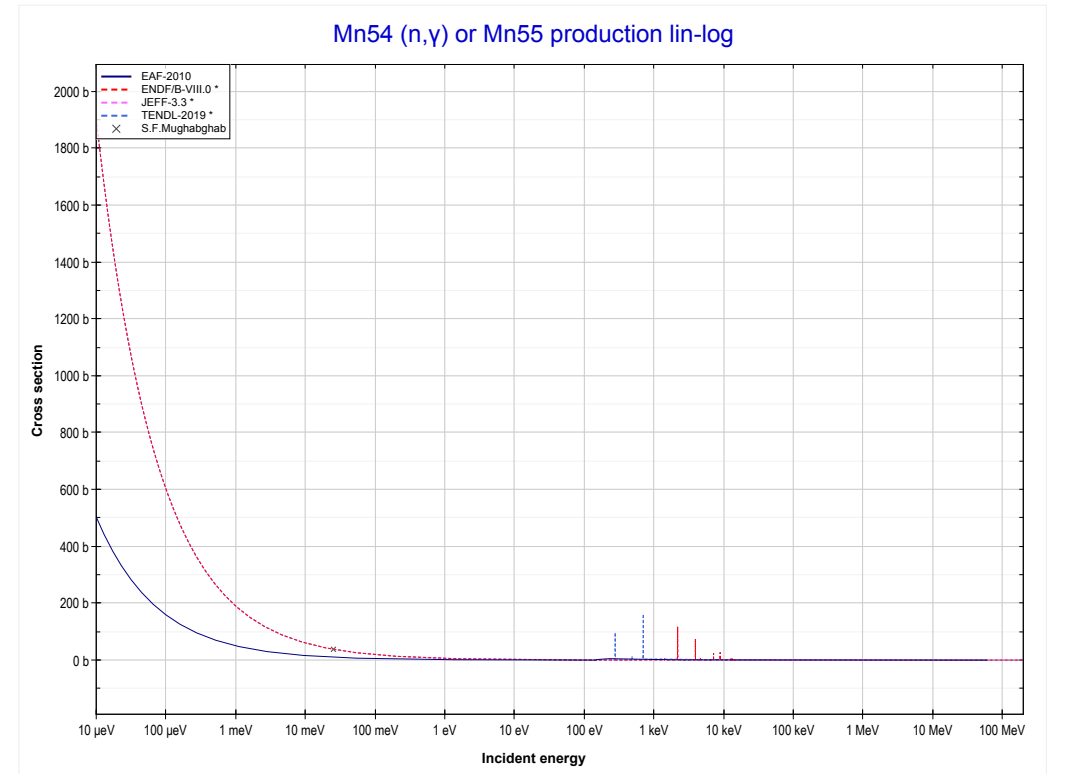
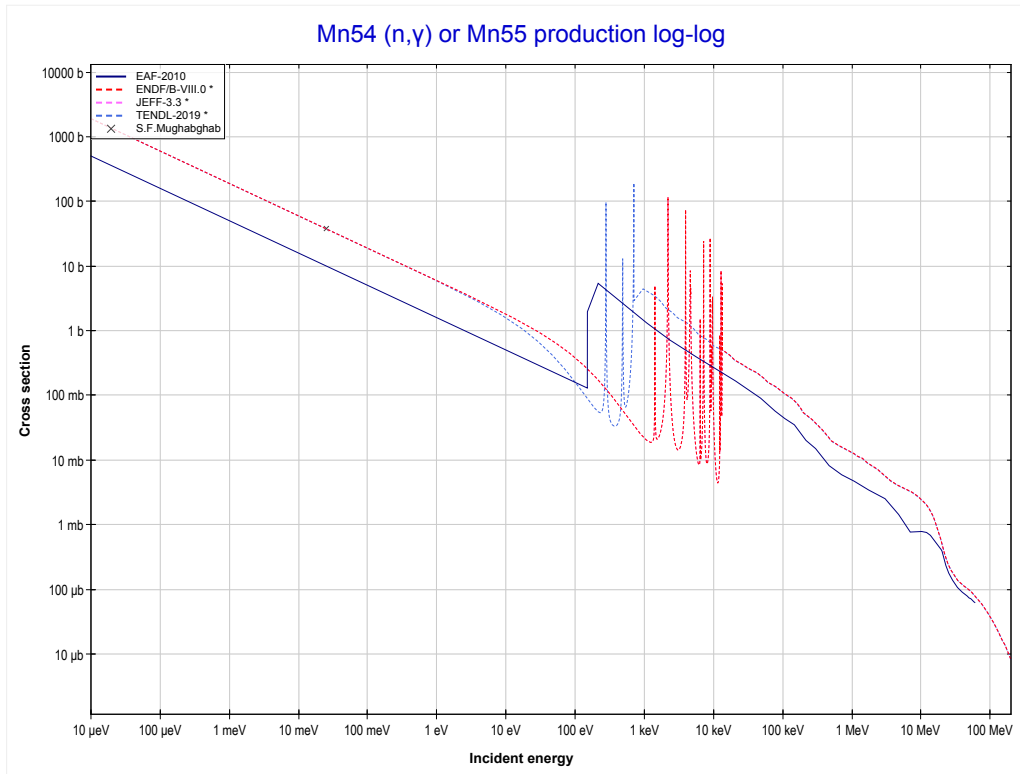
| Reaction | Q-Value |
|------------------------|---------------|
| Cr54(n, α)Ti51 | -1555.60 keV |
| Cr54(n,p+t)Ti51 | -21369.46 keV |
| Cr54(n,n+He3)Ti51 | -22133.22 keV |
| Cr54(n,2d)Ti51 | -25402.13 keV |
| Cr54(n,n+p+d)Ti51 | -27626.69 keV |
| Cr54(n,2n+2p)Ti51 | -29851.26 keV |

| | | |
|----------------------------------|---|----------------------------------|
| << 24-Cr-54 | 25-Mn-53 | 25-Mn-54 >> |
| << 24-Cr-54 MT107 (n, α) | MT102 (n,γ) or MT5 (Mn54 production) | 25-Mn-54 MT102 (n, γ) >> |



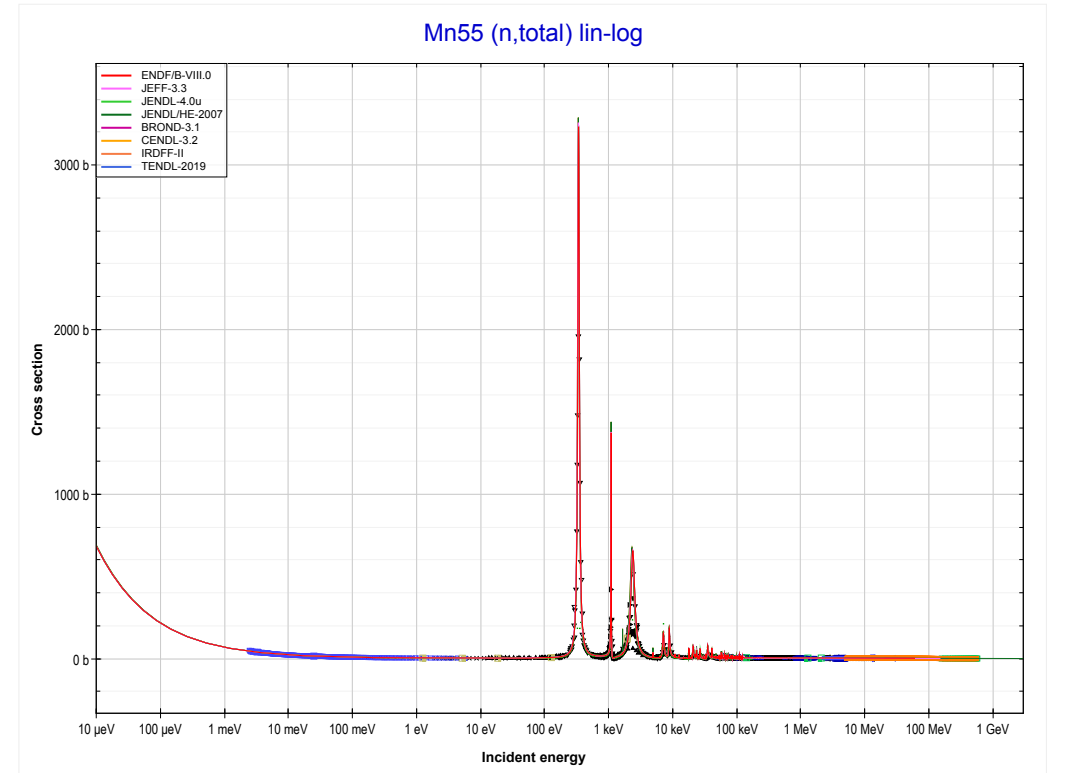
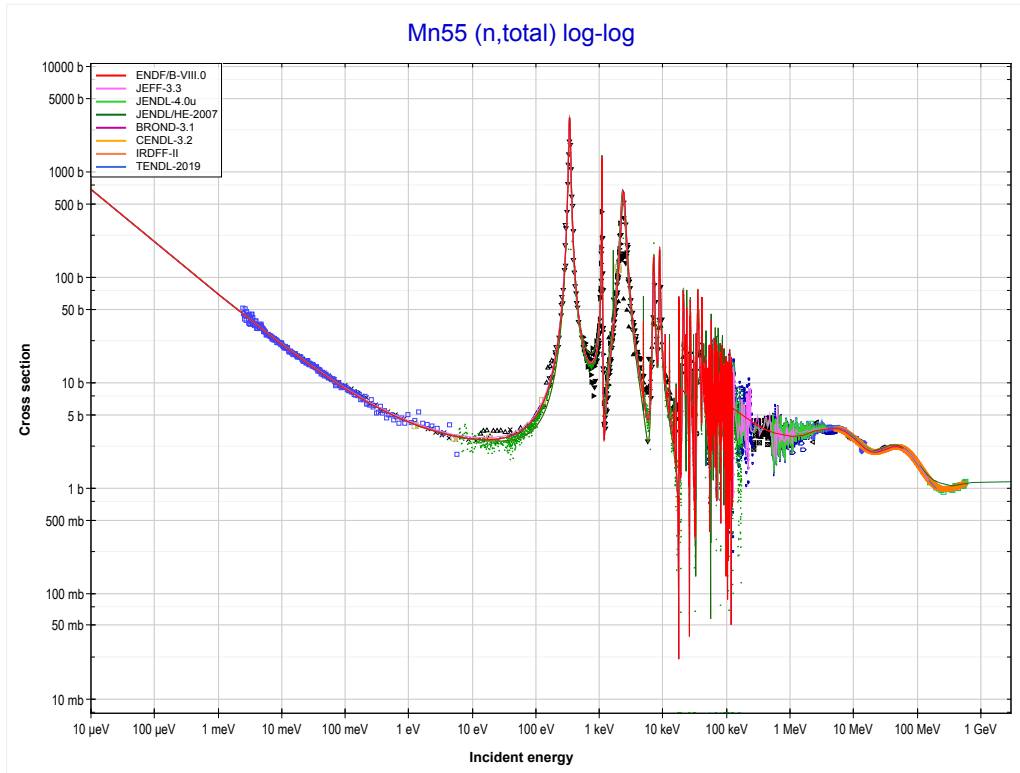
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 70 b | 69.9475 b | 69.951 b | 1.00005 | 35.4237 b | 0.0128799 b | 7E-4 b |
| JEFF-3.3 | 69.7292 b | 69.7292 b | 69.749 b | 1.00028 | 34.9375 b | 0.0201452 b | 0.00172016 b |
| TENDL-2019 | 69.765 b | 69.765 b | 69.766 b | 1.00001 | 38.2846 b | 0.0203849 b | 0.00171169 b |

| | | |
|----------------------------------|---|---------------------------|
| << 25-Mn-53 | 25-Mn-54 | 25-Mn-55 >> |
| << 25-Mn-53 MT102 (n, γ) | MT102 (n,γ) or MT5 (Mn55 production) | 25-Mn-55 MT1 (n,total) >> |



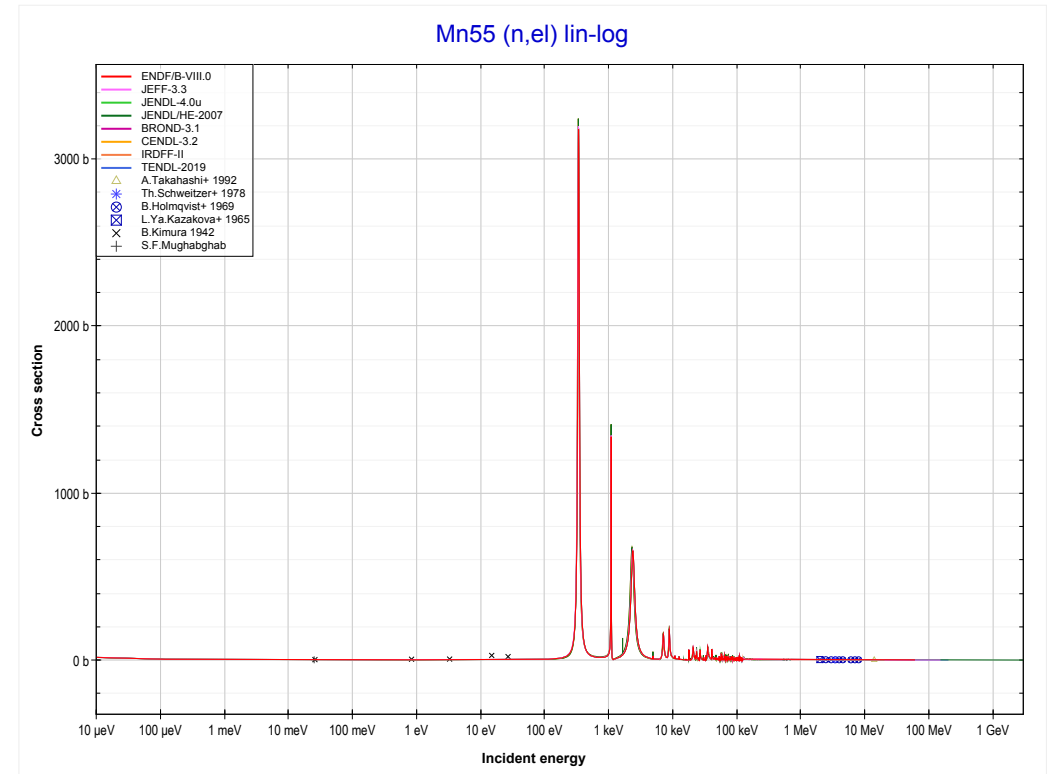
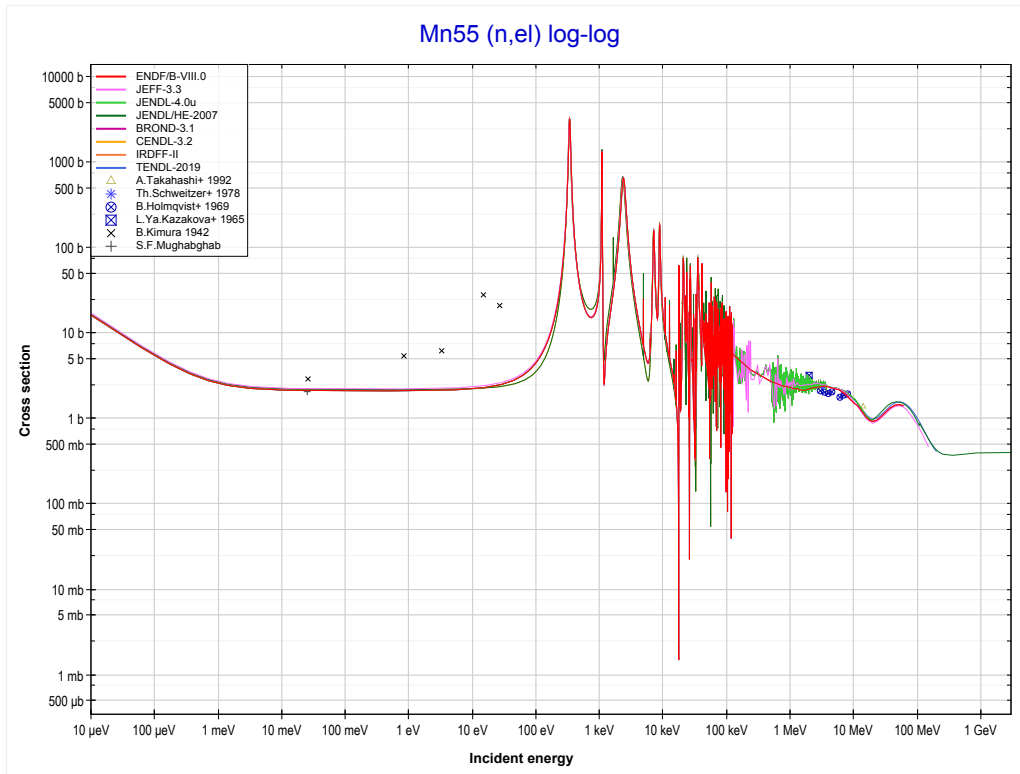
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10 b | 9.9925 b | 9.9932 b | 1.00007 | 11.8438 b | 0.00654167 b | 6.7E-4 b |
| ENDF/B-VIII.0 | 37.8028 b | 37.8028 b | 37.811 b | 1.00023 | 17.9147 b | 0.0160832 b | 0.00156503 b |
| JEFF-3.3 | 37.8028 b | 37.8028 b | 37.811 b | 1.00023 | 17.9147 b | 0.0160832 b | 0.00156503 b |
| TENDL-2019 | 37.828 b | 37.828 b | 37.821 b | 0.99981 | 23.0704 b | 0.0162661 b | 0.00155809 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 24-Cr-54 | 25-Mn-55 | 26-Fe-54 >> |
| << 25-Mn-54 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



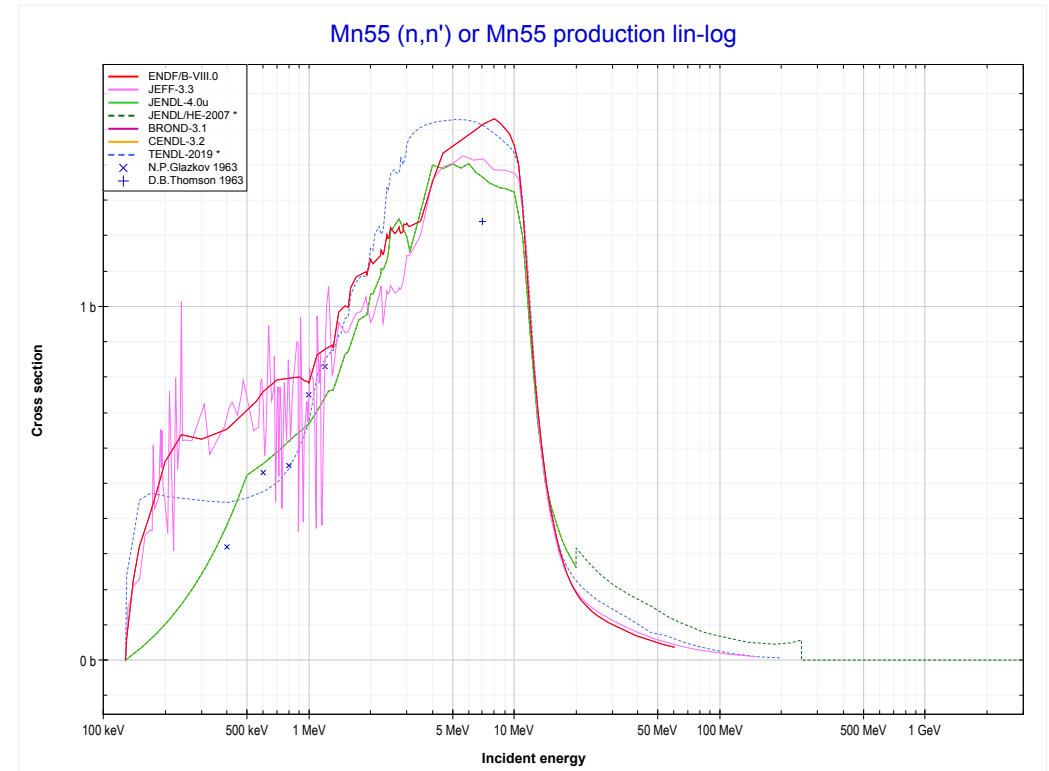
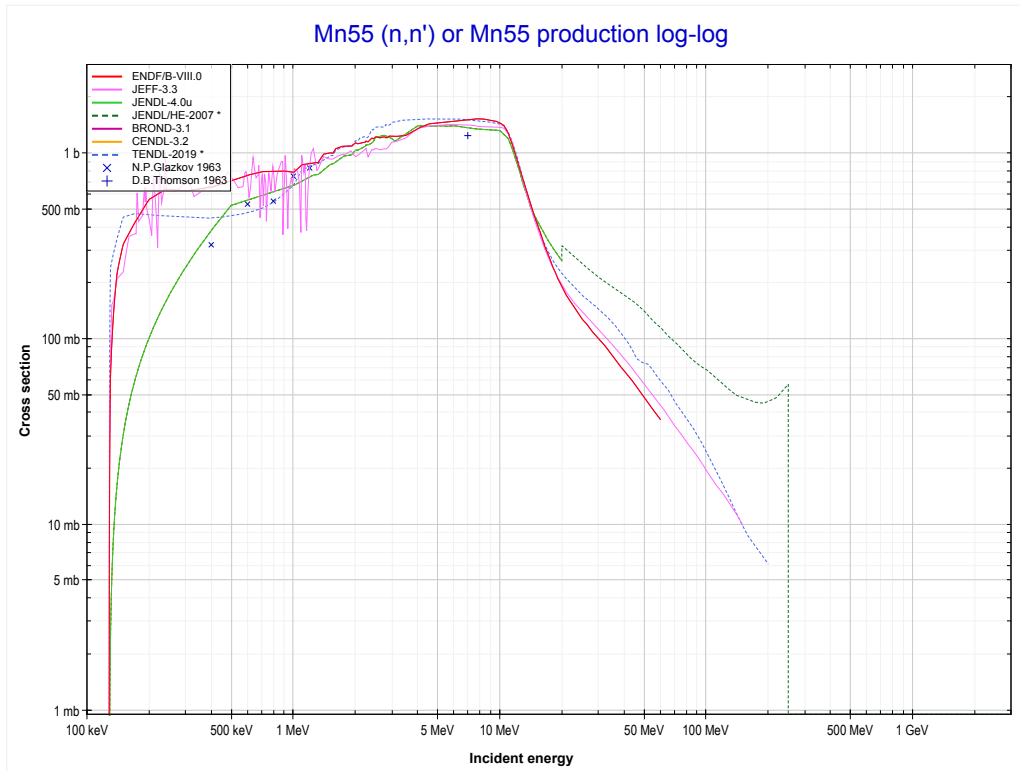
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.3953 b | 15.3953 b | 15.673 b | 1.01801 | 621.807 b | 3.54878 b | 2.48845 b |
| JEFF-3.3 | 15.5038 b | 15.5038 b | 15.795 b | 1.01881 | 631.89 b | 3.63901 b | 2.51879 b |
| JENDL-4.0u | 15.3953 b | 15.3953 b | 15.673 b | 1.01801 | 621.801 b | 3.65177 b | 2.56703 b |
| JENDL/HE-2007 | 15.5992 b | 15.5992 b | 15.881 b | 1.01809 | 614.854 b | 3.67942 b | 2.56703 b |
| BROND-3.1 | 15.3953 b | 15.3953 b | 15.673 b | 1.01801 | 621.807 b | 3.54878 b | 2.48845 b |
| CENDL-3.2 | 15.5992 b | 15.5992 b | 15.881 b | 1.01809 | 614.854 b | 3.67942 b | 2.56703 b |
| IRDFF-II | 15.3936 b | 15.3936 b | 15.671 b | 1.018 | 621.399 b | 3.54873 b | 2.48845 b |
| TENDL-2019 | 15.3913 b | 15.3913 b | 15.665 b | 1.01776 | 621.396 b | 3.75817 b | 2.57899 b |

| | | |
|------------------|------------------------|---------------|
| << 24-Cr-54 | 25-Mn-55 | 26-Fe-54 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



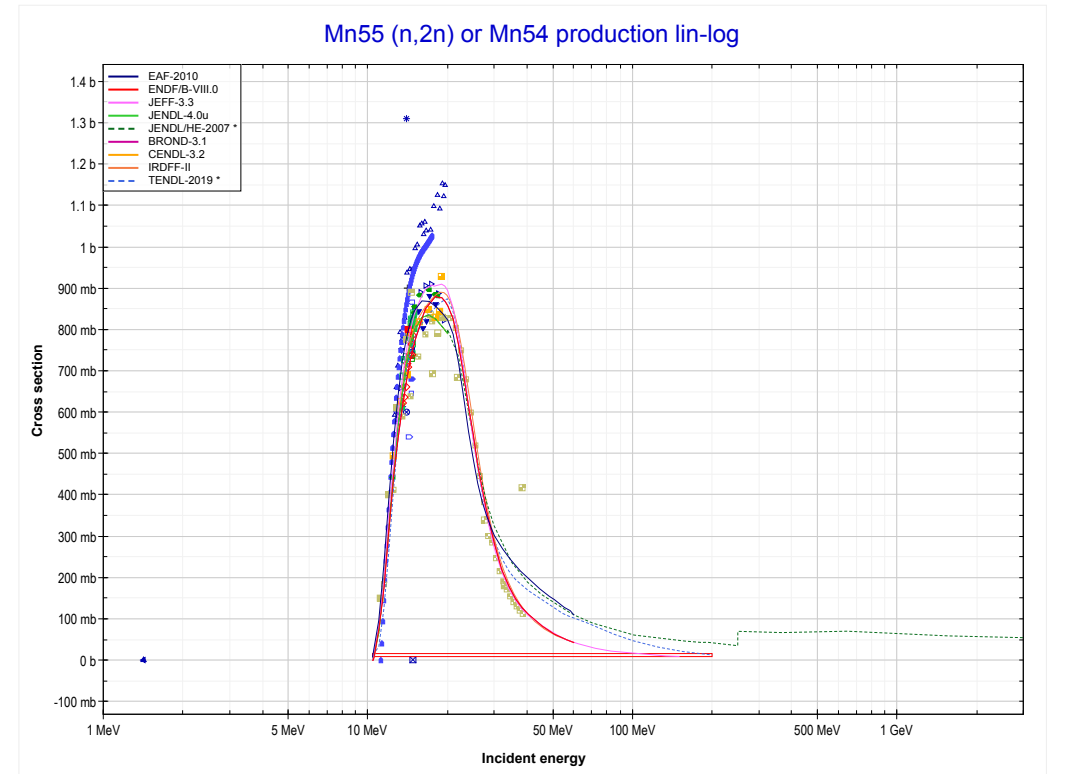
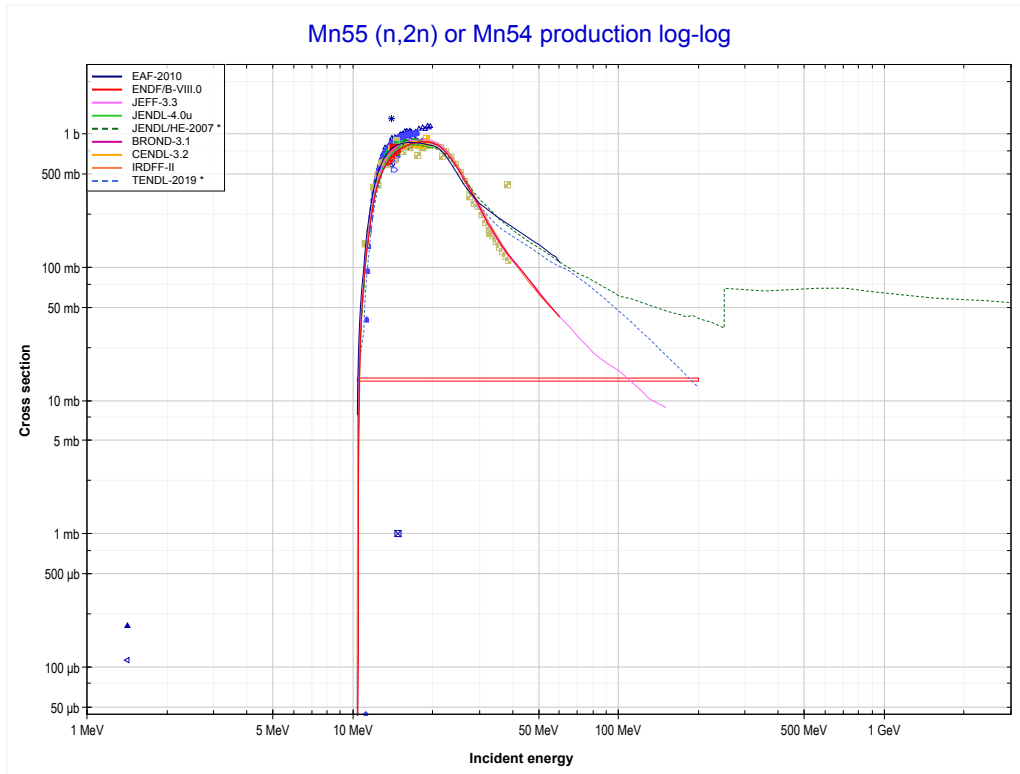
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.11631 b | 2.11631 b | 2.3883 b | 1.1285 | 608.282 b | 2.54776 b | 1.1542 b |
| JEFF-3.3 | 2.22919 b | 2.22919 b | 2.5156 b | 1.1285 | 617.638 b | 2.70844 b | 1.12158 b |
| JENDL-4.0u | 2.11631 b | 2.11631 b | 2.3883 b | 1.1285 | 608.282 b | 2.77232 b | 1.2137 b |
| JENDL/HE-2007 | 2.18651 b | 2.18651 b | 2.4674 b | 1.12848 | 603.101 b | 2.80002 b | 1.2137 b |
| BROND-3.1 | 2.11631 b | 2.11631 b | 2.3883 b | 1.1285 | 608.282 b | 2.54776 b | 1.1542 b |
| CENDL-3.2 | 2.18651 b | 2.18651 b | 2.4674 b | 1.12848 | 603.101 b | 2.80002 b | 1.2137 b |
| IRDFF-II | 2.11631 b | 2.11631 b | 2.389 b | 1.12884 | 607.887 b | 2.54768 b | 1.1542 b |
| TENDL-2019 | 2.11632 b | 2.11632 b | 2.3884 b | 1.12856 | 607.885 b | 2.77219 b | 1.23666 b |

| | | |
|--------------------|--|----------------|
| << 24-Cr-54 | 25-Mn-55 | 26-Fe-54 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Mn55 production) | MT16 (n,2n) >> |



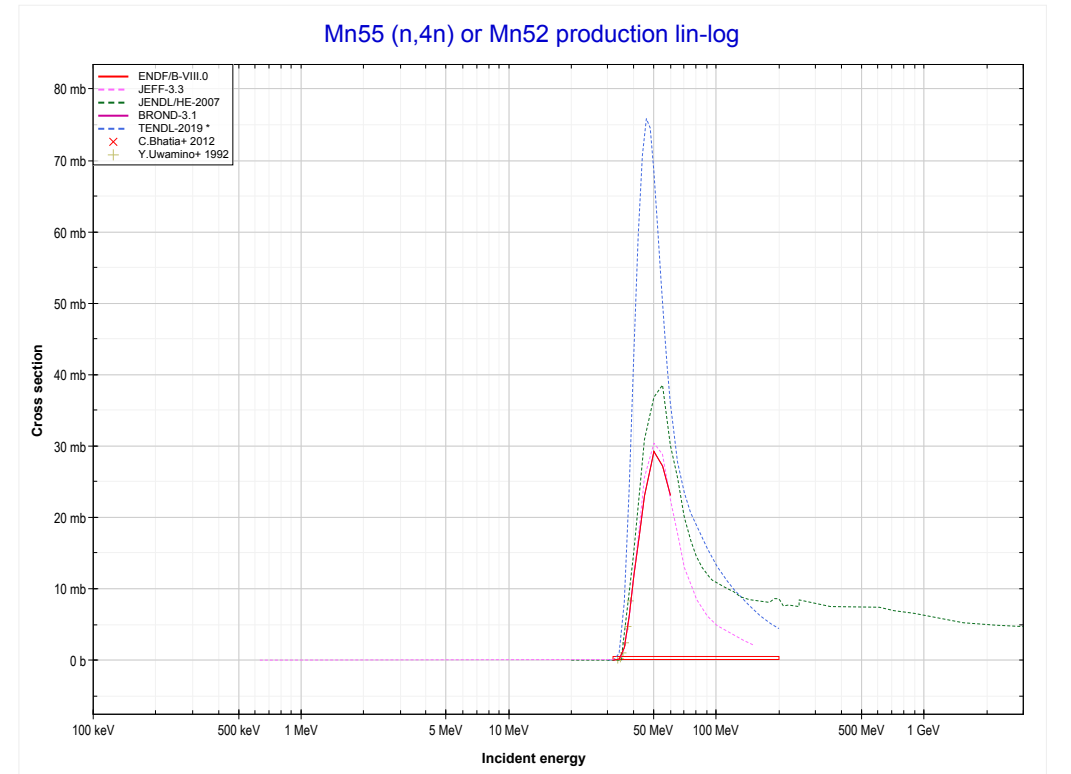
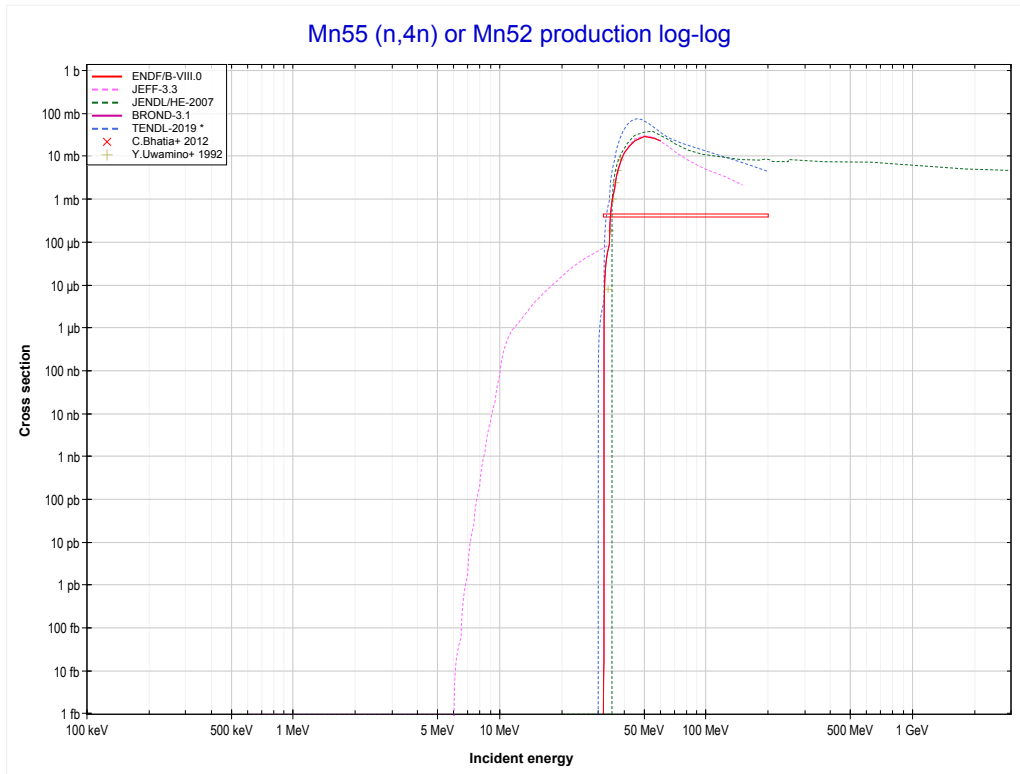
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.997329 b | 0.546581 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.926766 b | 0.520816 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.875283 b | 0.525721 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.875284 b | 0.525721 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.997329 b | 0.546581 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.875284 b | 0.525721 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.982086 b | 0.537481 b |

| | | |
|---------------|---|----------------|
| << 24-Cr-52 | 25-Mn-55 | 26-Fe-54 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Mn54 production) | MT37 (n,4n) >> |



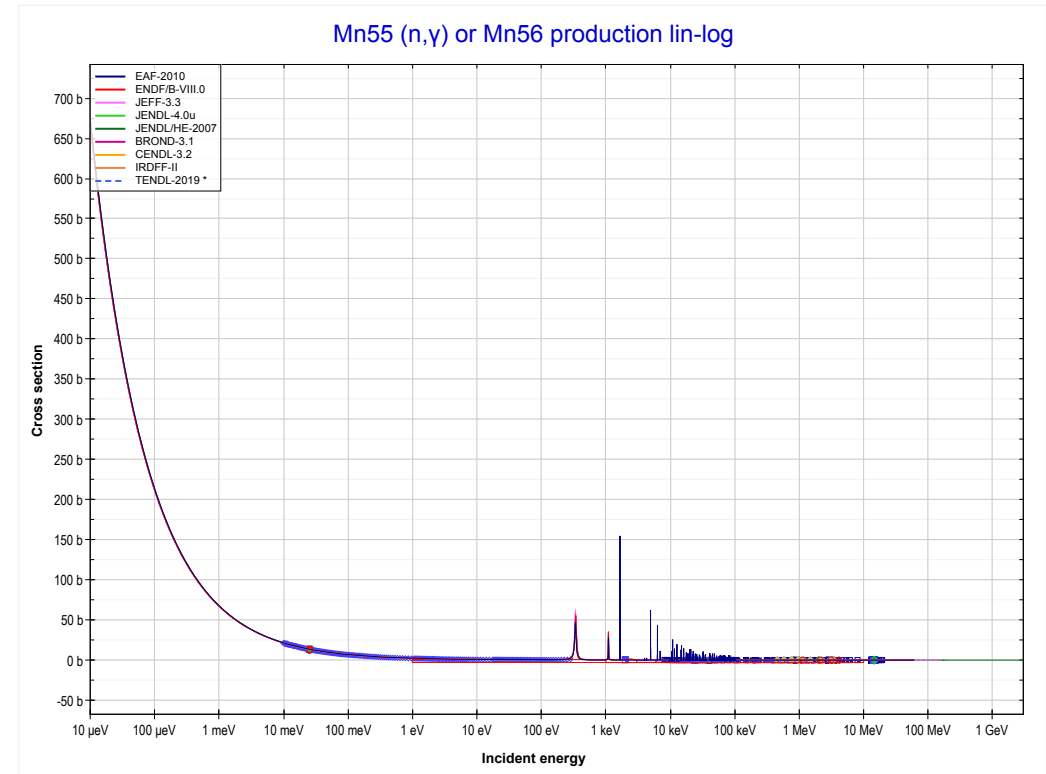
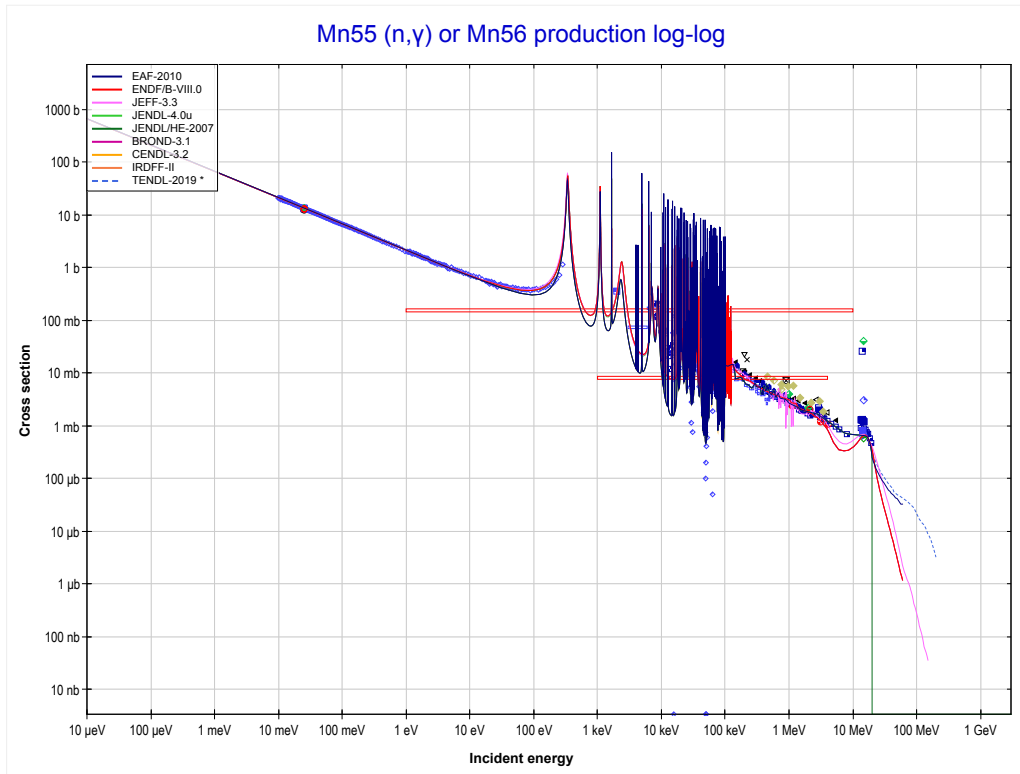
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.42467E-4 b | 0.780246 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6708E-4 b | 0.67628 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06754E-4 b | 0.750948 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.82293E-4 b | 0.719 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.82291E-4 b | 0.719 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6708E-4 b | 0.67628 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.82291E-4 b | 0.719 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 3.7519E-4 b | 0.728655 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35098E-4 b | 0.702758 b |

| | | |
|----------------|---|-------------------------|
| << 23-V-51 | 25-Mn-55 | 27-Co-59 >> |
| << MT16 (n,2n) | MT37 (n,4n) or MT5 (Mn52 production) | MT102 (n, γ) >> |



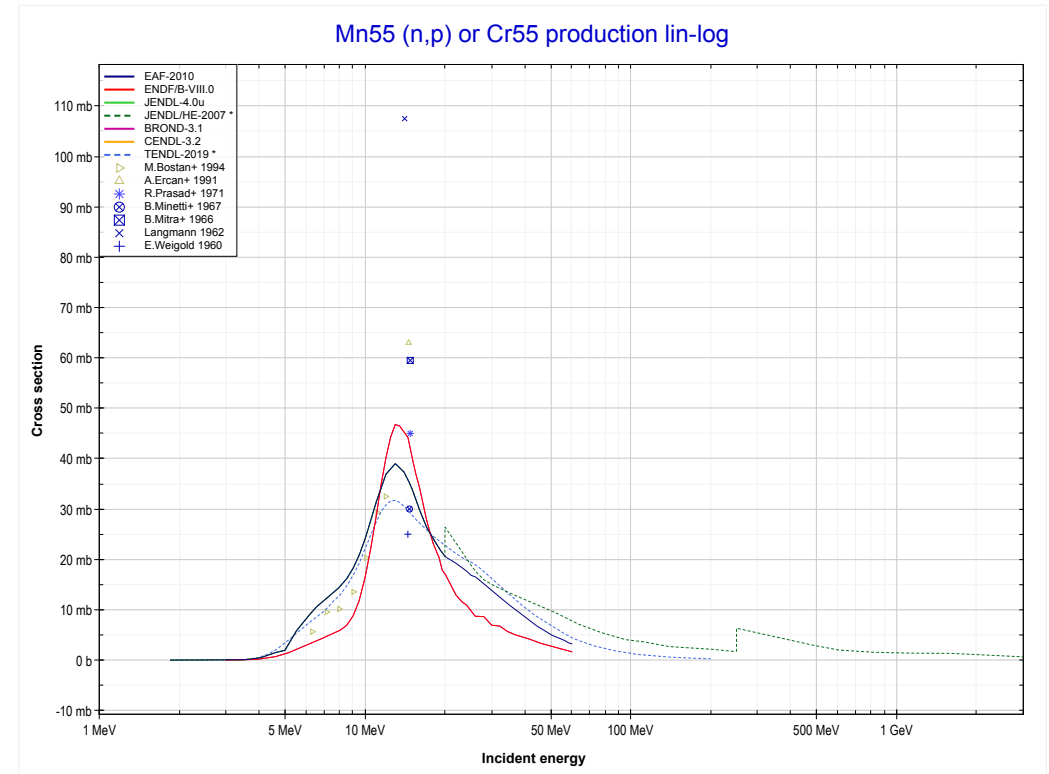
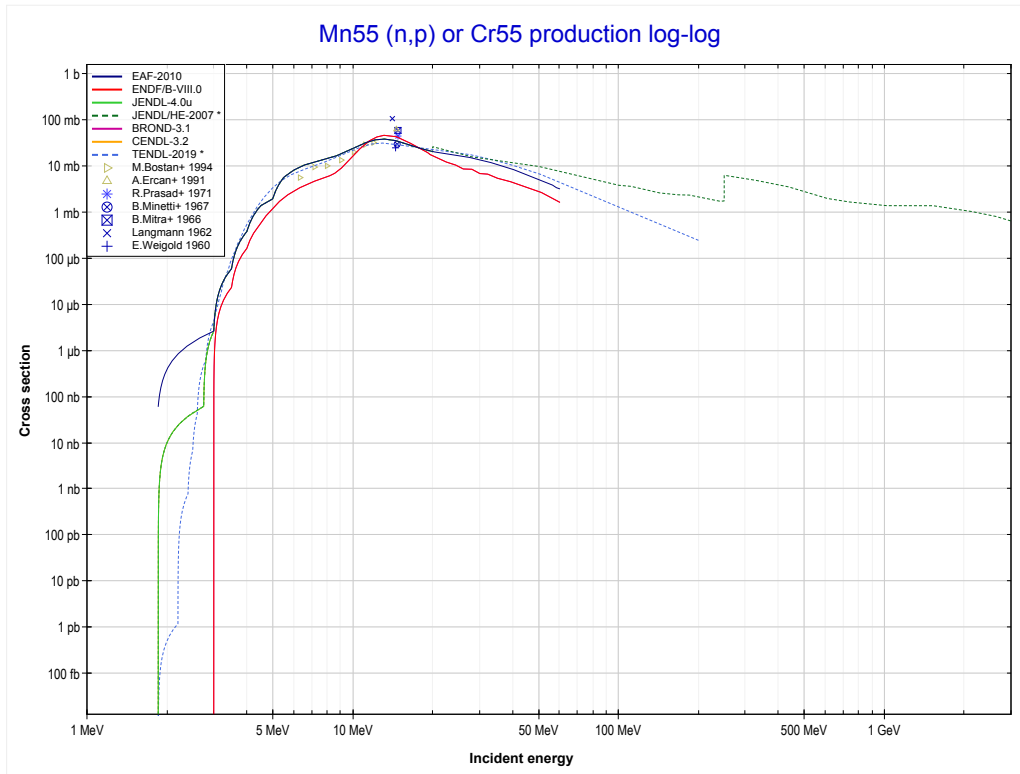
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Mn55(n,4n)Mn52 | -31219.05 keV |

| | | |
|----------------|---|----------------|
| << 25-Mn-54 | 25-Mn-55 | 26-Fe-54 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Mn56 production) | MT103 (n,p) >> |



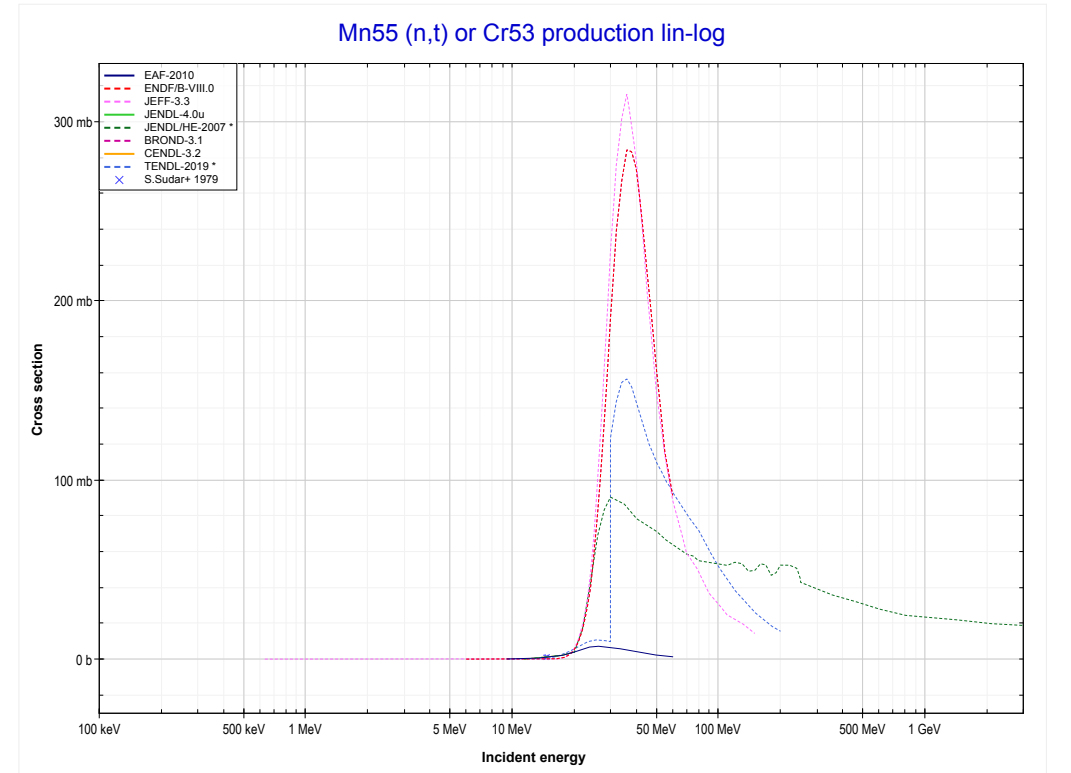
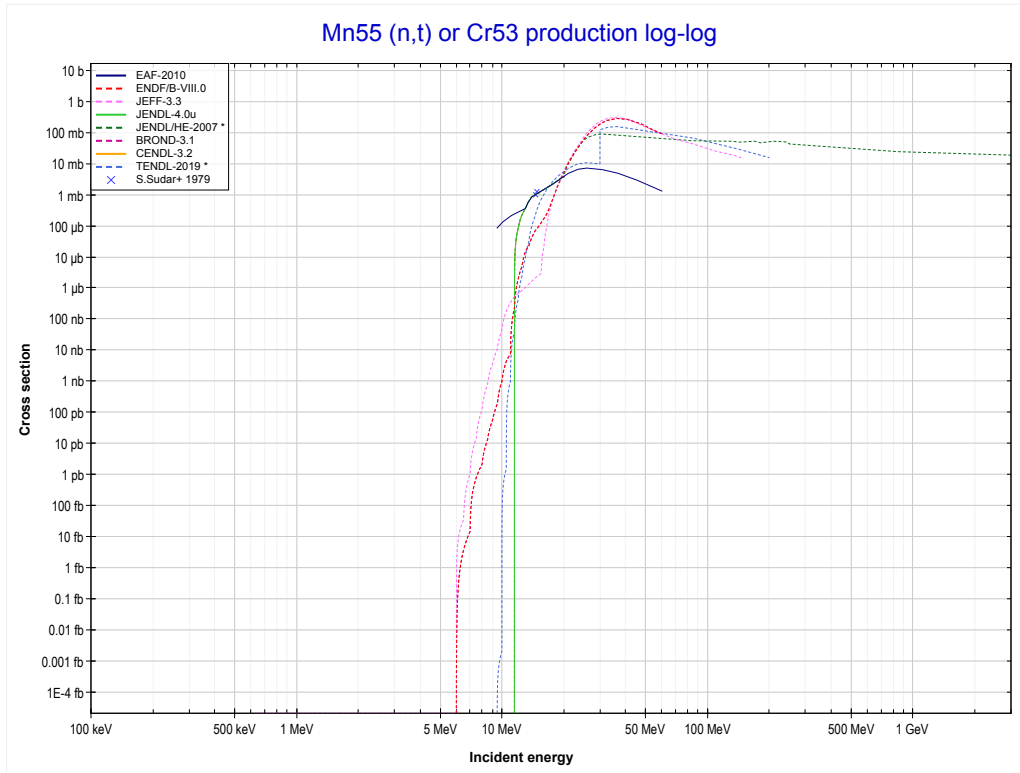
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 13.412 b | 13.4024 b | 13.407 b | 1.0004 | 11.7408 b | 0.00293961 b | 6.65E-4 b |
| ENDF/B-VIII.0 | 13.279 b | 13.279 b | 13.284 b | 1.0004 | 13.525 b | 0.00291788 b | 6.17986E-4 b |
| JEFF-3.3 | 13.2746 b | 13.2746 b | 13.28 b | 1.00039 | 14.2522 b | 0.002904 b | 6.91989E-4 b |
| JENDL-4.0u | 13.279 b | 13.279 b | 13.284 b | 1.0004 | 13.5196 b | 0.00295026 b | 6.65E-4 b |
| JENDL/HE-2007 | 13.4127 b | 13.4127 b | 13.414 b | 1.00008 | 11.7448 b | 0.00294342 b | 6.65E-4 b |
| BROND-3.1 | 13.279 b | 13.279 b | 13.284 b | 1.0004 | 13.525 b | 0.00291788 b | 6.17986E-4 b |
| CENDL-3.2 | 13.4127 b | 13.4127 b | 13.414 b | 1.00008 | 11.7448 b | 0.00294342 b | 6.65E-4 b |
| IRDF-2 | 13.2772 b | 13.2772 b | 13.281 b | 1.00029 | 13.5113 b | 0.00291772 b | 6.17986E-4 b |
| TENDL-2019 | 13.275 b | 13.275 b | 13.276 b | 1.00009 | 13.5103 b | 0.00291432 b | 6.17987E-4 b |

| | | |
|-------------------------|---|----------------|
| << 24-Cr-54 | 25-Mn-55 | 26-Fe-54 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cr55 production) | MT105 (n,t) >> |



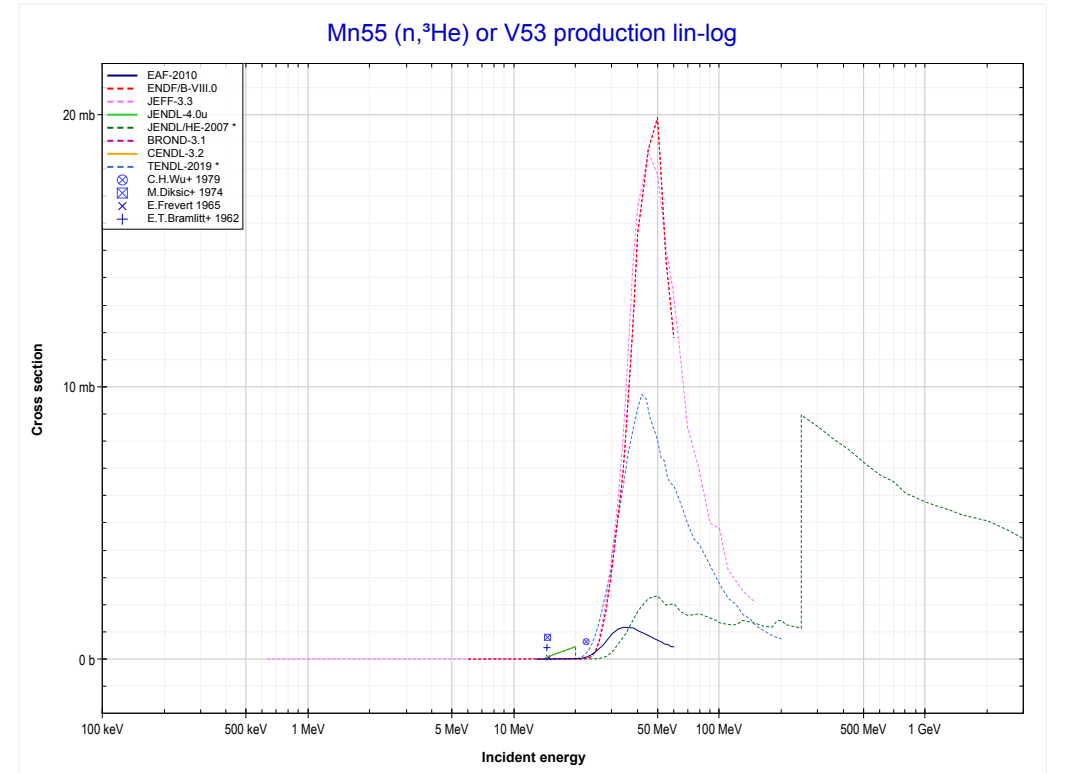
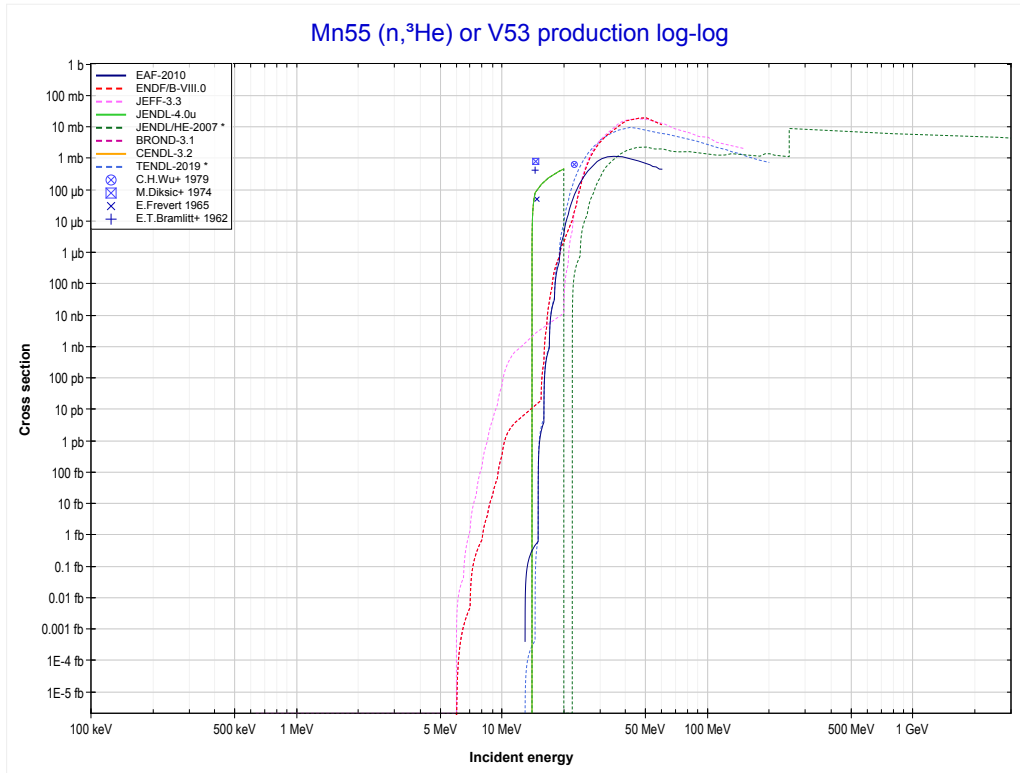
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.42019E-4 b | 0.037402 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.96429E-4 b | 0.0452594 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.41817E-4 b | 0.037402 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.41817E-4 b | 0.037402 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.96429E-4 b | 0.0452594 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.41817E-4 b | 0.037402 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.09002E-4 b | 0.0306021 b |

| | | |
|----------------|---|-------------------------------|
| << 24-Cr-50 | 25-Mn-55 | 26-Fe-54 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Cr53 production) | MT106 (n, ³ He) >> |



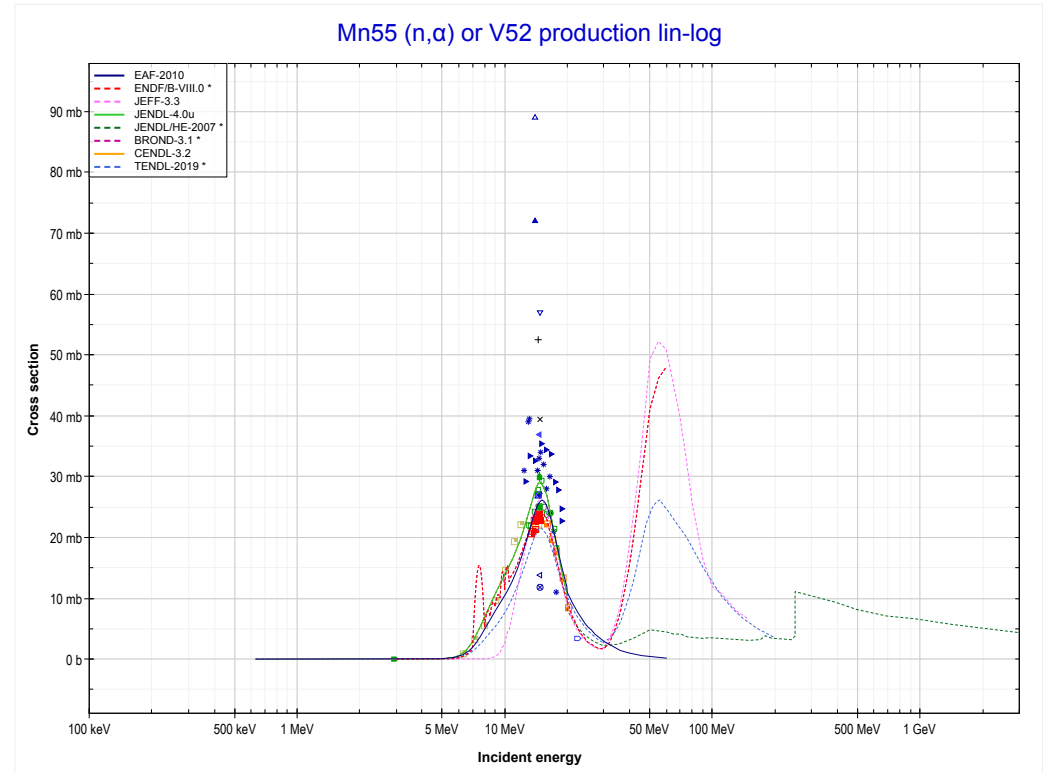
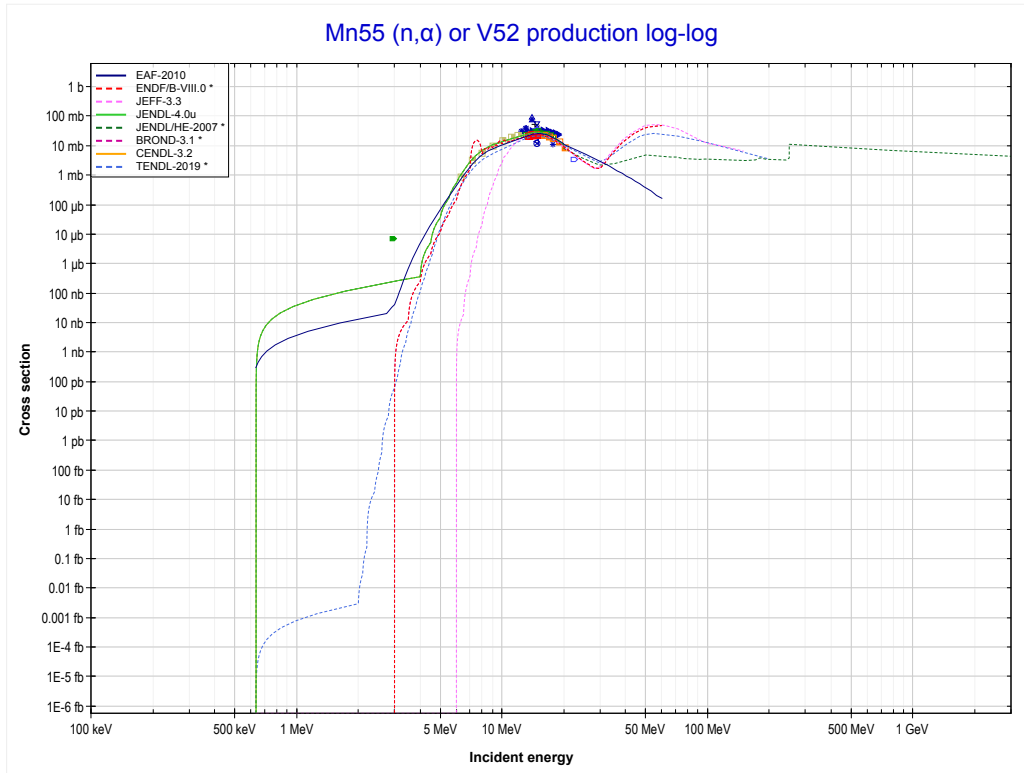
| Reaction | Q-Value |
|------------------|---------------|
| Mn55(n,t)Cr53 | -9303.89 keV |
| Mn55(n,n+d)Cr53 | -15561.12 keV |
| Mn55(n,2n+p)Cr53 | -17785.69 keV |

| | | |
|----------------|---|----------------|
| << 24-Cr-53 | 25-Mn-55 | 27-Co-59 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (V53 production) | MT107 (n,α) >> |



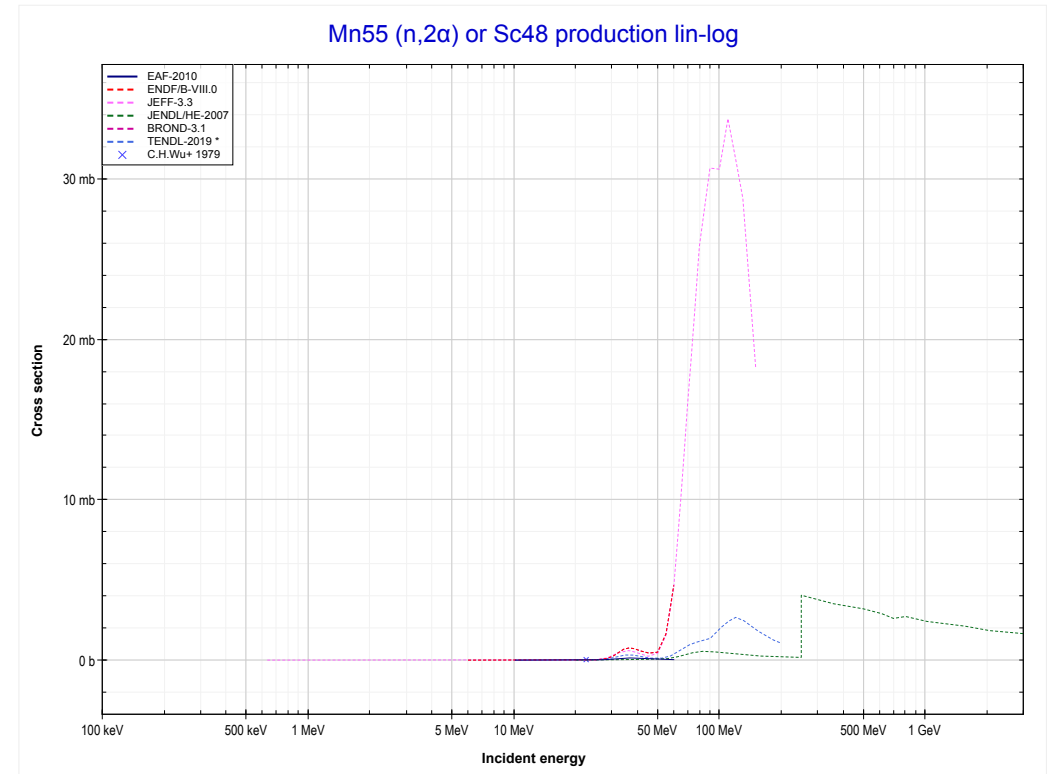
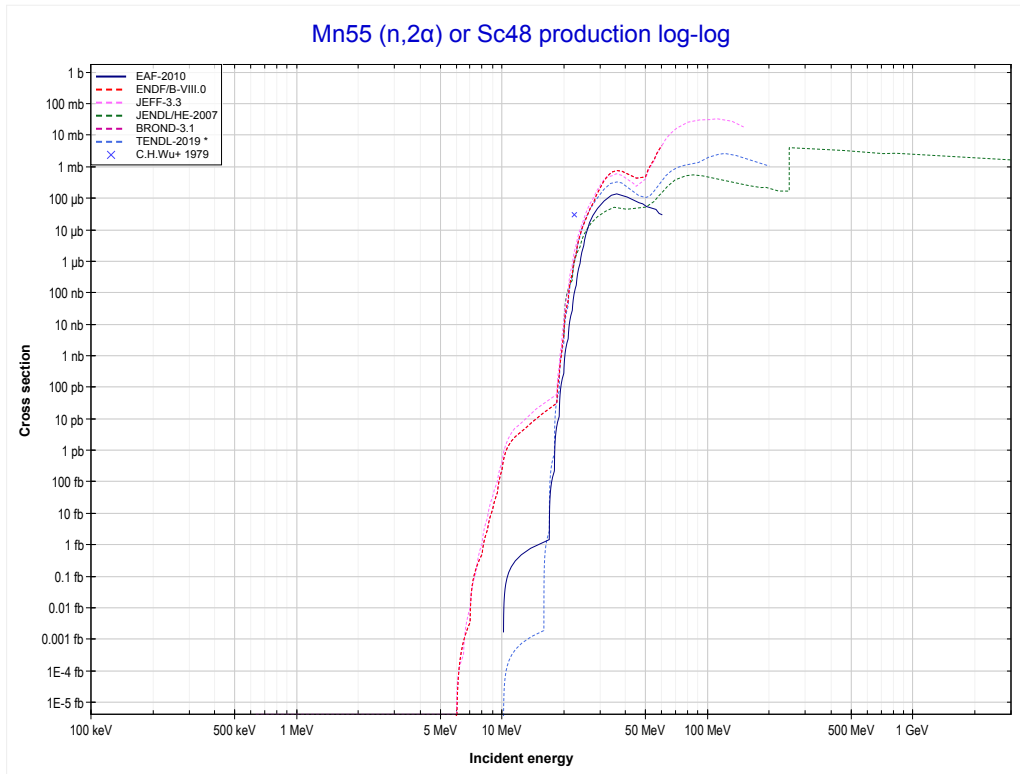
| Reaction | Q-Value |
|-----------------|---------------|
| Mn55(n,He3)V53 | -12721.30 keV |
| Mn55(n,p+d)V53 | -18214.78 keV |
| Mn55(n,n+2p)V53 | -20439.34 keV |

| | | |
|-------------------------------|--|-----------------|
| << 24-Cr-54 | 25-Mn-55 | 26-Fe-54 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (V52 production) | MT108 (n,2α) >> |



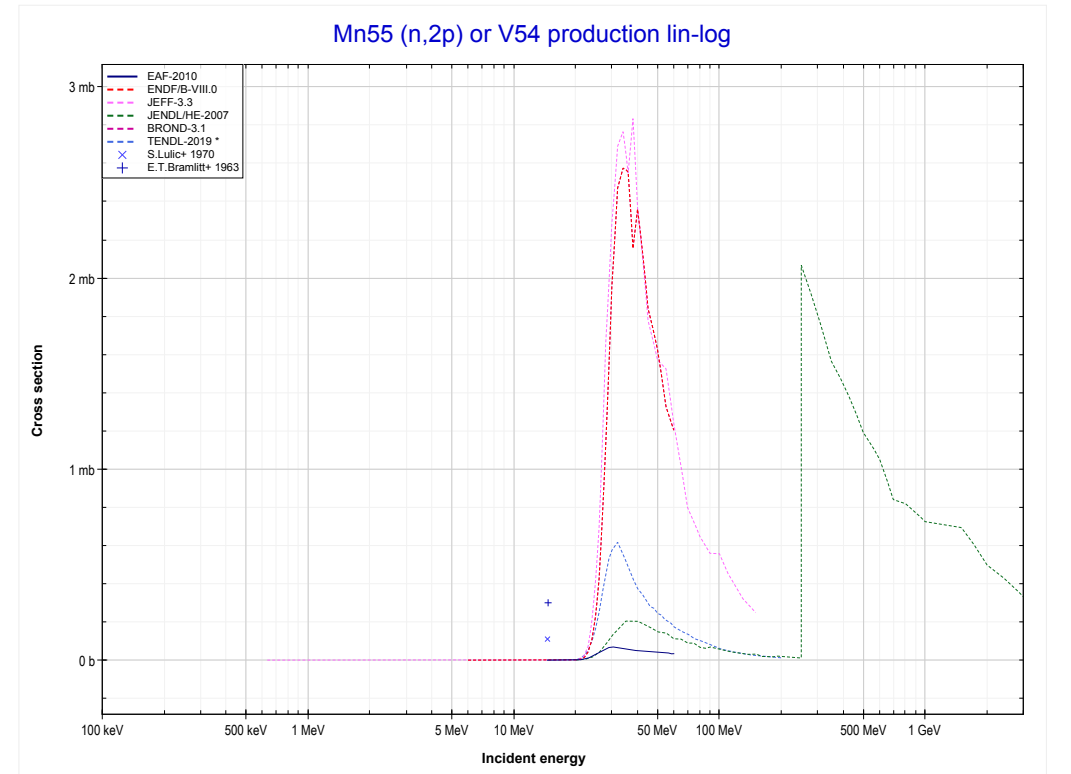
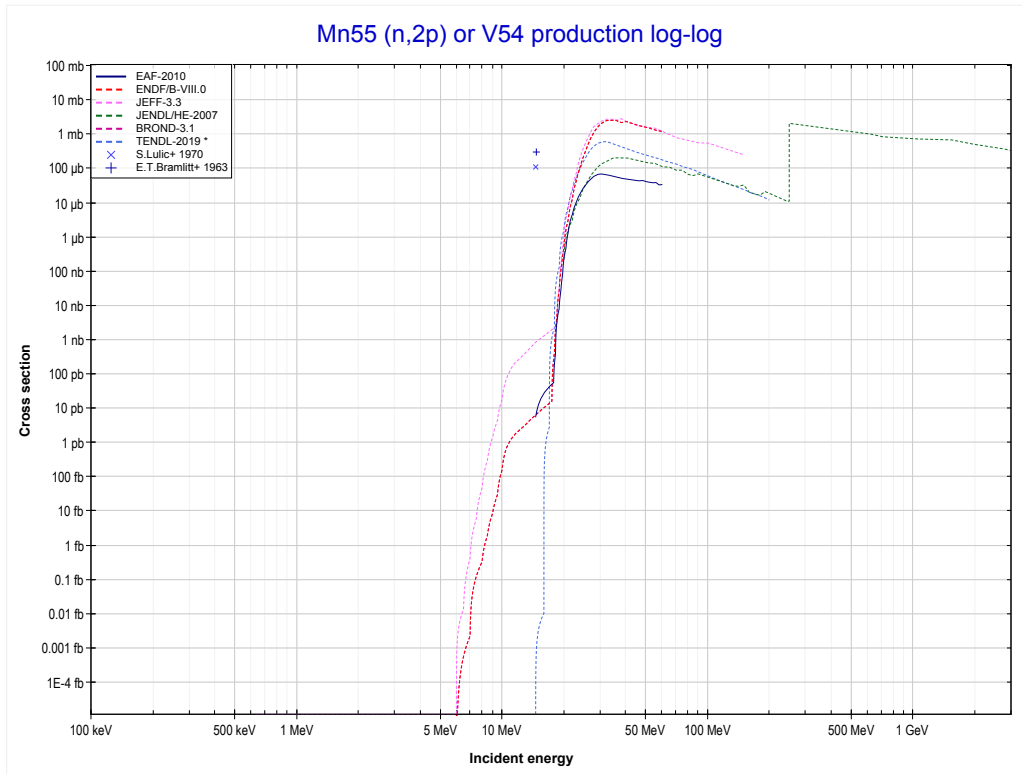
| Reaction | Q-Value |
|------------------|---------------|
| Mn55(n,α)V52 | -622.20 keV |
| Mn55(n,p+t)V52 | -20436.06 keV |
| Mn55(n,n+He3)V52 | -21199.82 keV |
| Mn55(n,2d)V52 | -24468.73 keV |
| Mn55(n,n+p+d)V52 | -26693.29 keV |
| Mn55(n,2n+2p)V52 | -28917.86 keV |

| | | |
|-------------------------|--|-----------------|
| << 19-K-39 | 25-Mn-55 | 27-Co-59 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Sc48 production) | MT111 (n,2p) >> |



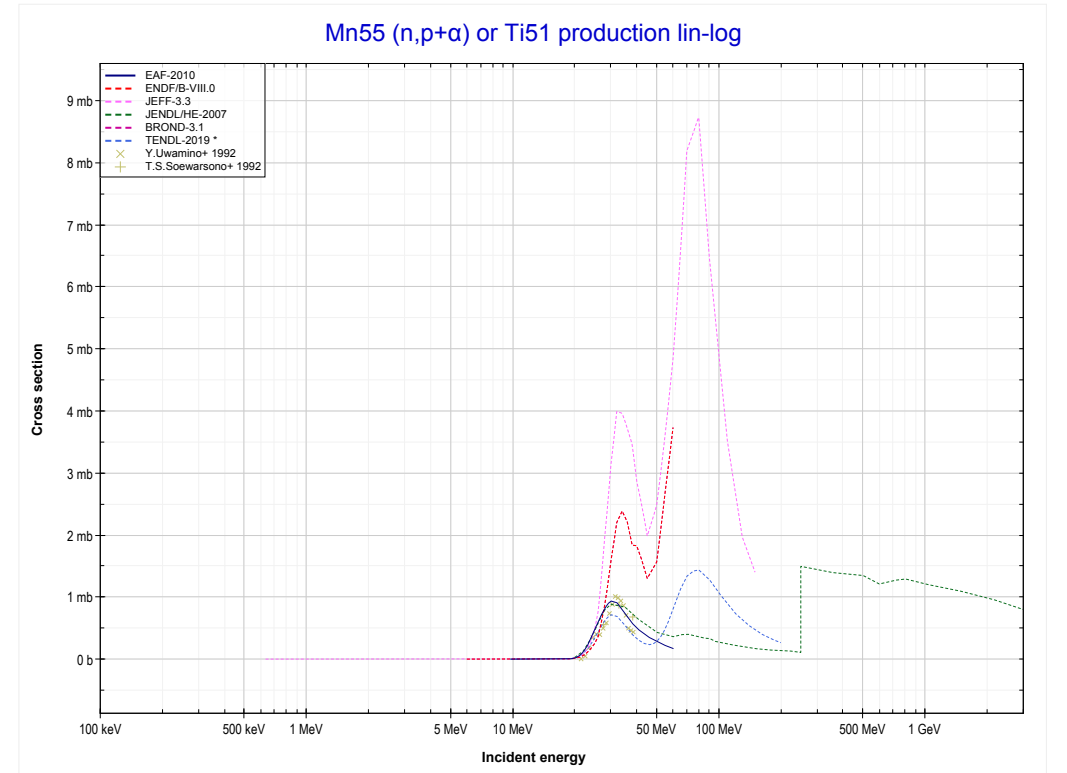
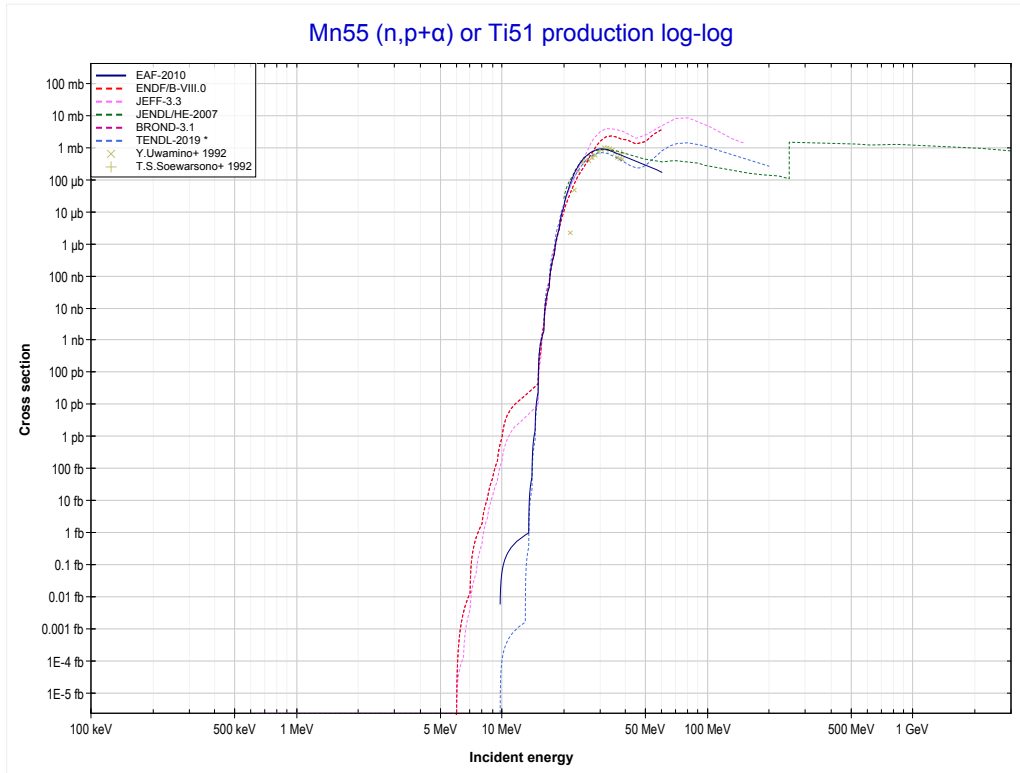
| Reaction | Q-Value | Reaction | Q-Value |
|------------------------------|---------------|------------------------|---------------|
| Mn55(n,2 α)Sc48 | -9986.91 keV | Mn55(n,n+p+t+He3)Sc48 | -50378.40 keV |
| Mn55(n,p+t+ α)Sc48 | -29800.78 keV | Mn55(n,2n+2He3)Sc48 | -51142.15 keV |
| Mn55(n,n+He3+ α)Sc48 | -30564.53 keV | Mn55(n,p+2d+t)Sc48 | -53647.31 keV |
| Mn55(n,2d+ α)Sc48 | -33833.44 keV | Mn55(n,n+2d+He3)Sc48 | -54411.06 keV |
| Mn55(n,n+p+d+ α)Sc48 | -36058.01 keV | Mn55(n,n+2p+d+t)Sc48 | -55871.87 keV |
| Mn55(n,2n+2p+ α)Sc48 | -38282.57 keV | Mn55(n,2n+p+d+He3)Sc48 | -56635.63 keV |
| Mn55(n,d+t+He3)Sc48 | -48153.83 keV | Mn55(n,4d)Sc48 | -57679.97 keV |
| Mn55(n,2p+2t)Sc48 | -49614.64 keV | Mn55(n,2n+3p+t)Sc48 | -58096.44 keV |

| | | |
|-----------------|---|------------------|
| << 23-V-51 | 25-Mn-55 | 33-As-75 >> |
| << MT108 (n,2α) | MT111 (n,2p) or MT5 (V54 production) | MT112 (n,p+α) >> |



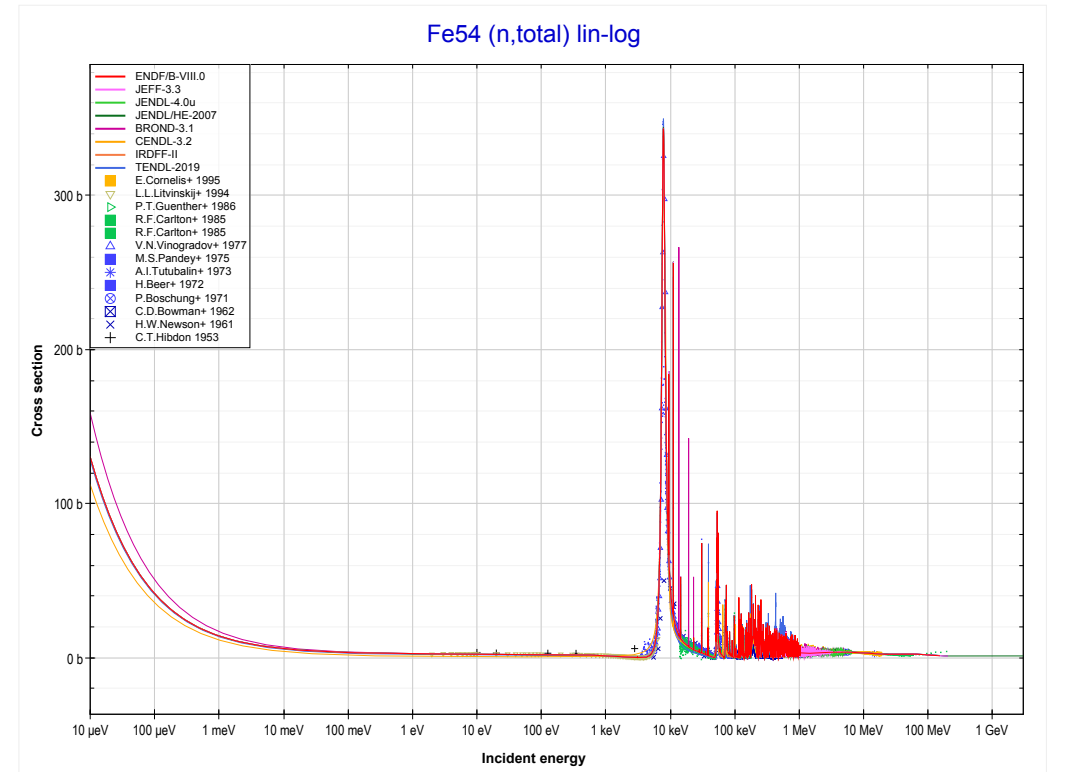
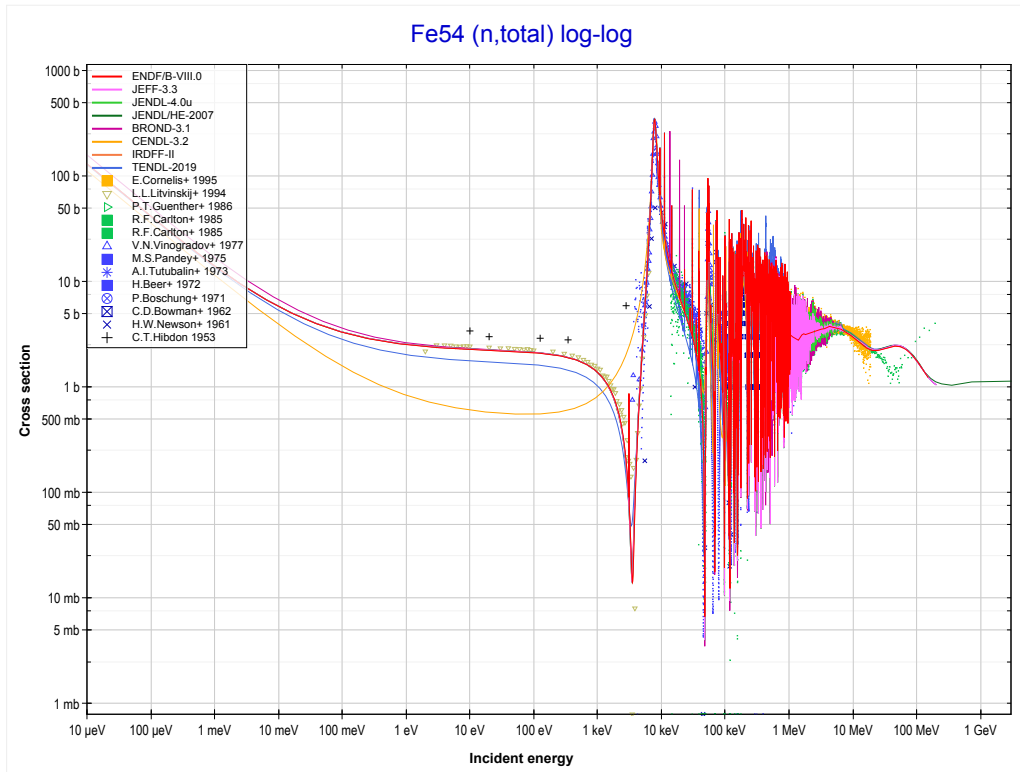
| | |
|-----------------|----------------|
| Reaction | Q-Value |
| Mn55(n,2p)V54 | -14326.02 keV |

| | | |
|-----------------|---|---------------------------|
| << 23-V-51 | 25-Mn-55 | 28-Ni-58 >> |
| << MT111 (n,2p) | MT112 (n,p+α) or MT5 (Ti51 production) | 26-Fe-54 MT1 (n,total) >> |



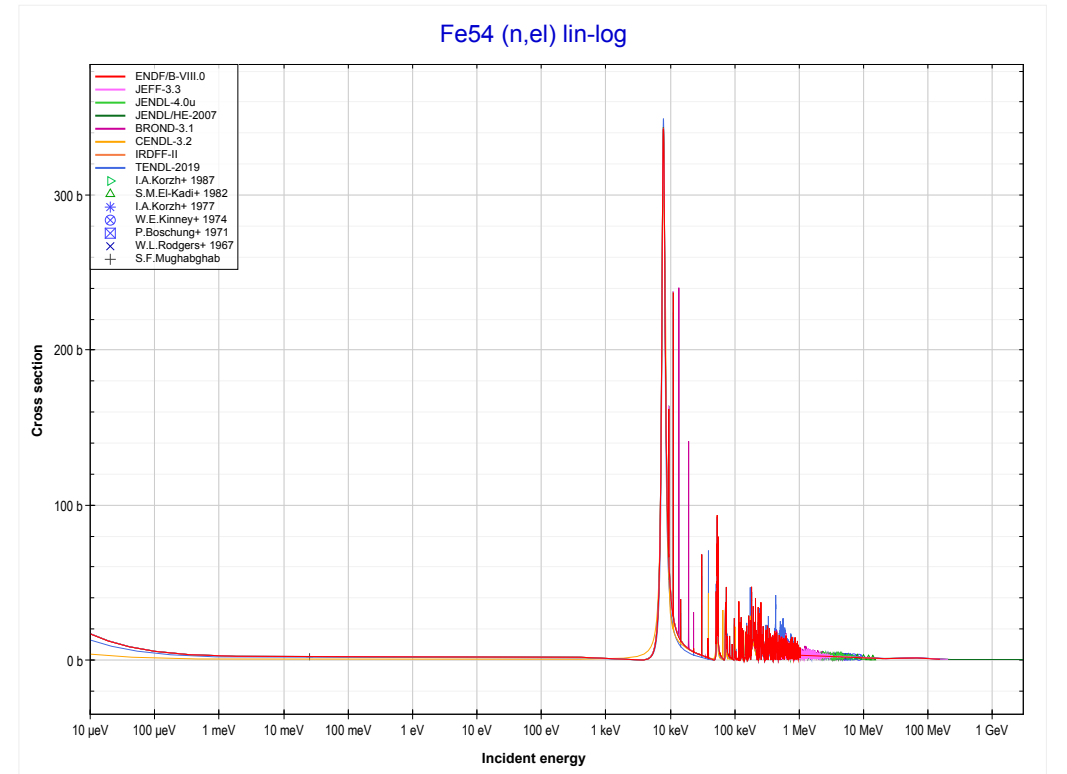
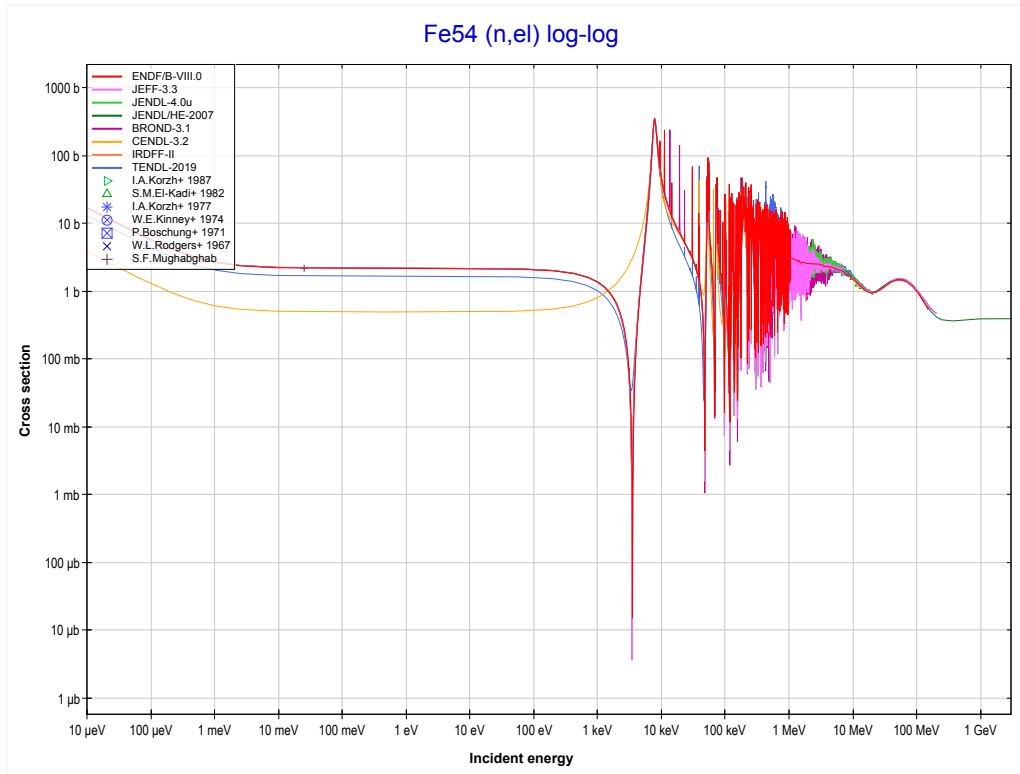
| Reaction | Q-Value |
|---------------------|---------------|
| Mn55(n,p+α)Ti51 | -9622.17 keV |
| Mn55(n,d+He3)Ti51 | -27975.22 keV |
| Mn55(n,2p+t)Ti51 | -29436.03 keV |
| Mn55(n,n+p+He3)Ti51 | -30199.79 keV |
| Mn55(n,p+2d)Ti51 | -33468.70 keV |
| Mn55(n,n+2p+d)Ti51 | -35693.26 keV |
| Mn55(n,2n+3p)Ti51 | -37917.83 keV |

| | | |
|---------------------------|----------------------|--------------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-55 >> |
| << 25-Mn-55 MT112 (n,p+α) | MT1 (n,total) | MT2 (n,elastic) >> |



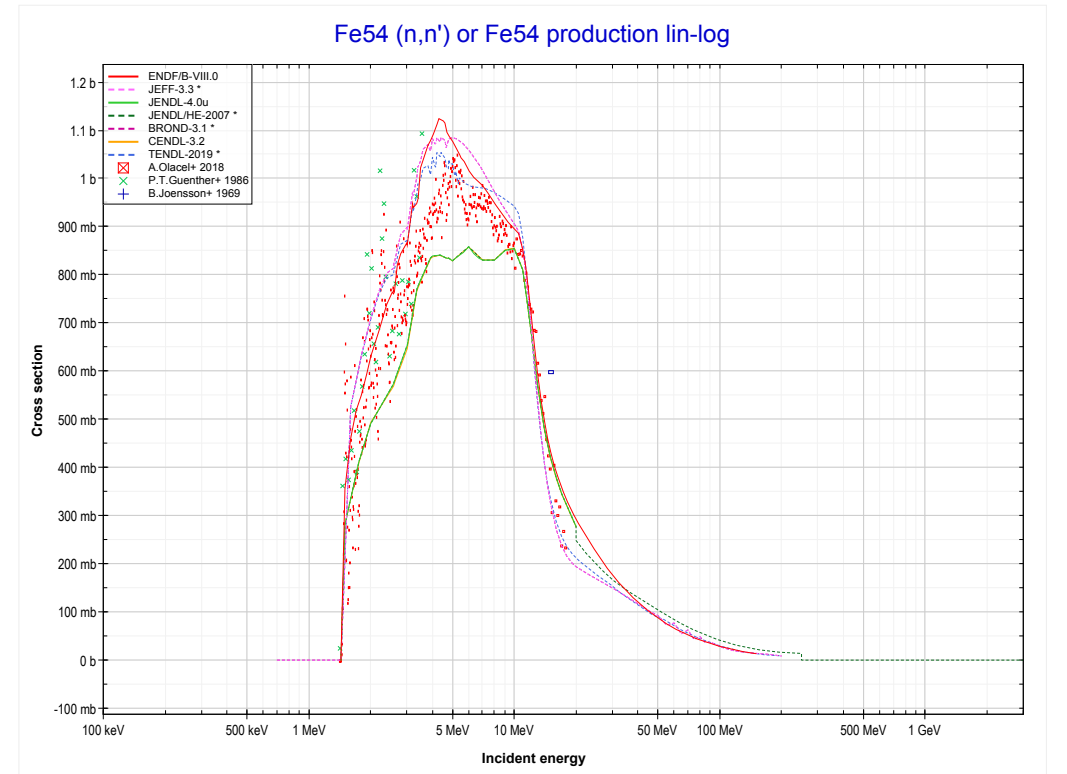
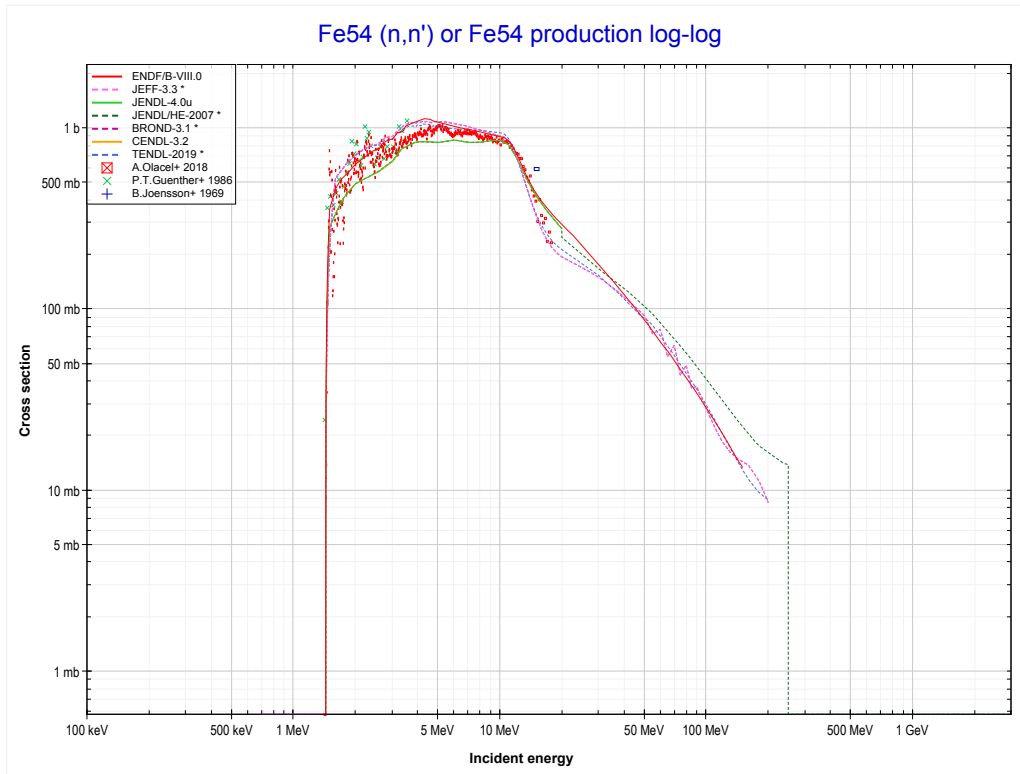
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.43641 b | 4.43641 b | 4.7173 b | 1.06331 | 106.147 b | 3.64807 b | 2.51638 b |
| JEFF-3.3 | 4.45373 b | 4.45373 b | 4.7371 b | 1.06362 | 107.66 b | 3.64884 b | 2.6051 b |
| JENDL-4.0u | 4.45373 b | 4.45373 b | 4.7371 b | 1.06362 | 107.661 b | 3.66366 b | 2.577 b |
| JENDL/HE-2007 | 4.45305 b | 4.45305 b | 4.7359 b | 1.06351 | 107.661 b | 3.66387 b | 2.577 b |
| BROND-3.1 | 5.01725 b | 5.01725 b | 5.3007 b | 1.0565 | 108.82 b | 3.65168 b | 2.6051 b |
| CENDL-3.2 | 2.65344 b | 2.65344 b | 2.7175 b | 1.02413 | 94.9595 b | 3.67246 b | 2.49822 b |
| IRDF-II | 4.43603 b | 4.43603 b | 4.7176 b | 1.06348 | 106.137 b | 3.64845 b | 2.51638 b |
| TENDL-2019 | 3.96789 b | 3.96789 b | 4.1831 b | 1.05423 | 90.7947 b | 4.34646 b | 2.7181 b |

| | | |
|------------------|------------------------|---------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



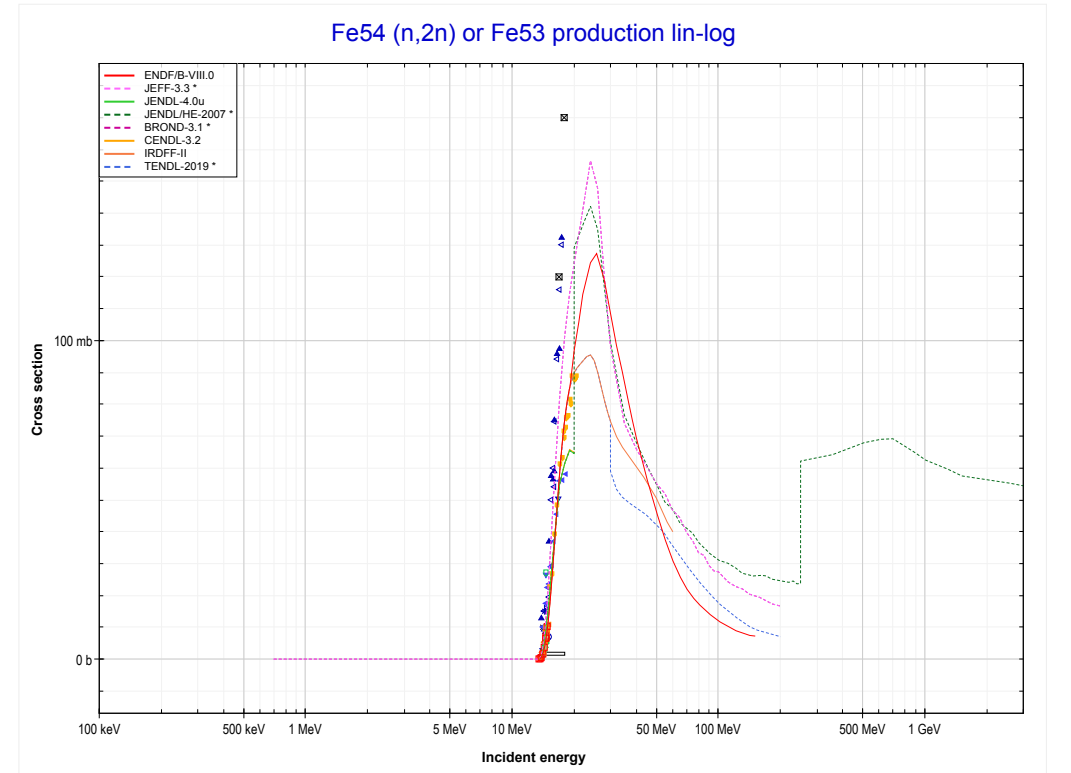
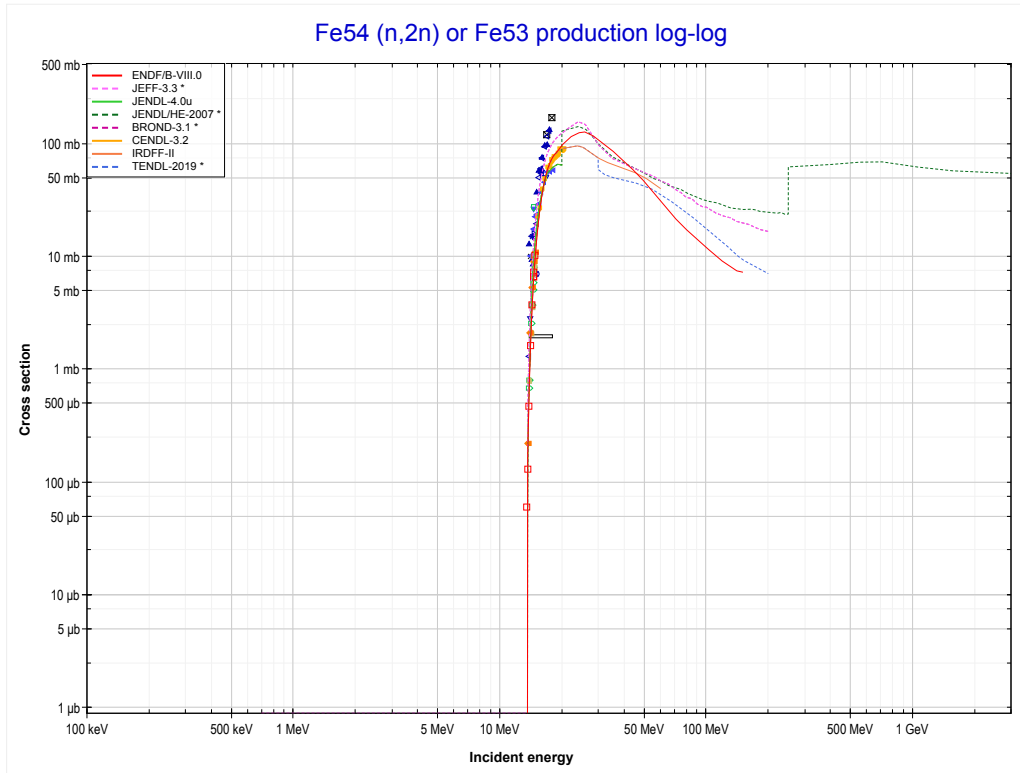
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.18251 b | 2.18251 b | 2.4626 b | 1.12833 | 104.952 b | 3.13685 b | 1.12107 b |
| JEFF-3.3 | 2.20166 b | 2.20166 b | 2.4842 b | 1.12833 | 106.479 b | 3.1253 b | 1.18401 b |
| JENDL-4.0u | 2.20166 b | 2.20166 b | 2.4842 b | 1.12833 | 106.48 b | 3.24465 b | 1.152 b |
| JENDL/HE-2007 | 2.20165 b | 2.20165 b | 2.4843 b | 1.12839 | 106.48 b | 3.2447 b | 1.152 b |
| BROND-3.1 | 2.20166 b | 2.20166 b | 2.4842 b | 1.12833 | 107.294 b | 3.12773 b | 1.18401 b |
| CENDL-3.2 | 0.497481 b | 0.497481 b | 0.56137 b | 1.12842 | 93.6655 b | 3.25547 b | 1.07972 b |
| IRDFF-II | 2.18251 b | 2.18251 b | 2.4633 b | 1.12868 | 104.94 b | 3.13697 b | 1.12107 b |
| TENDL-2019 | 1.6751 b | 1.6751 b | 1.8902 b | 1.12839 | 89.5517 b | 3.82508 b | 1.22986 b |

| | | |
|--------------------|--|----------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Fe54 production) | MT16 (n,2n) >> |



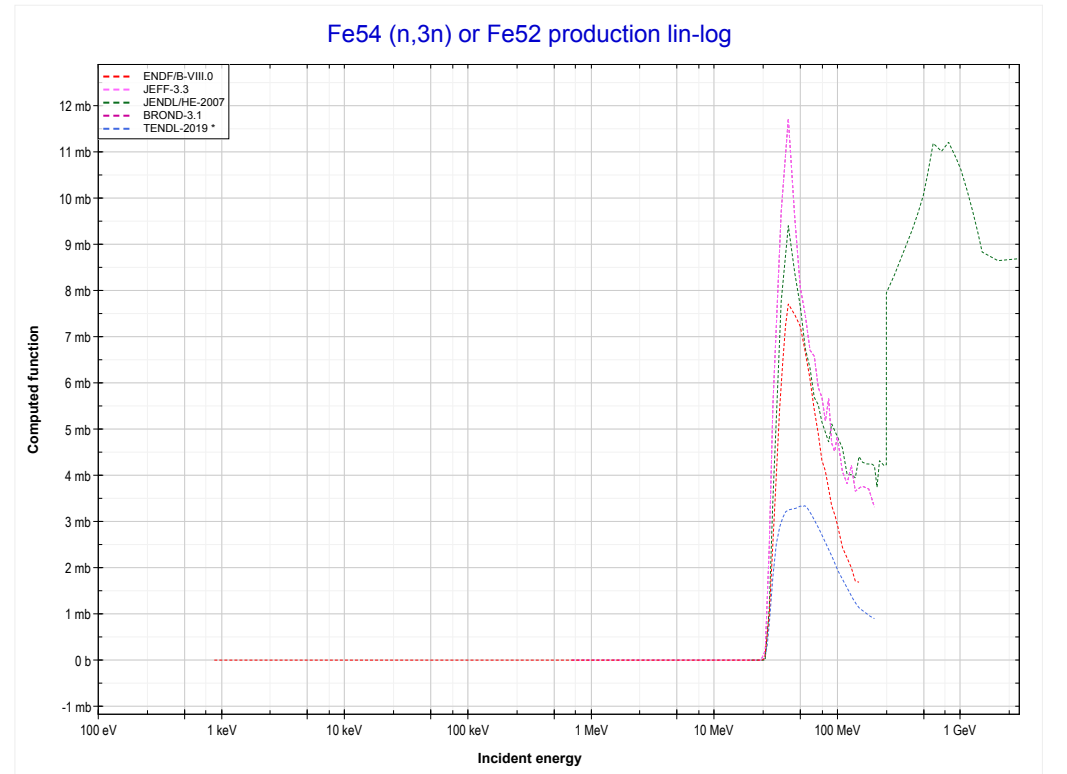
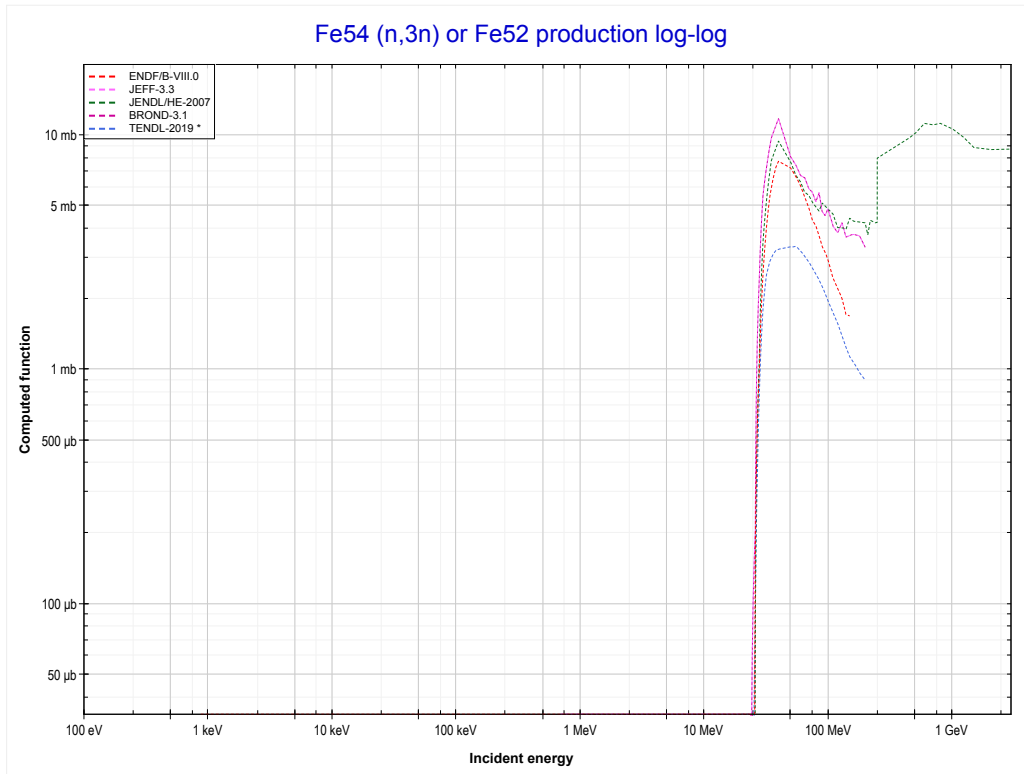
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.427277 b | 0.498469 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.445696 b | 0.41098 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.329591 b | 0.481466 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.329658 b | 0.481466 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.445696 b | 0.41098 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.328693 b | 0.479217 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.434253 b | 0.41045 b |

| | | |
|---------------|---|----------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Fe53 production) | MT17 (n,3n) >> |



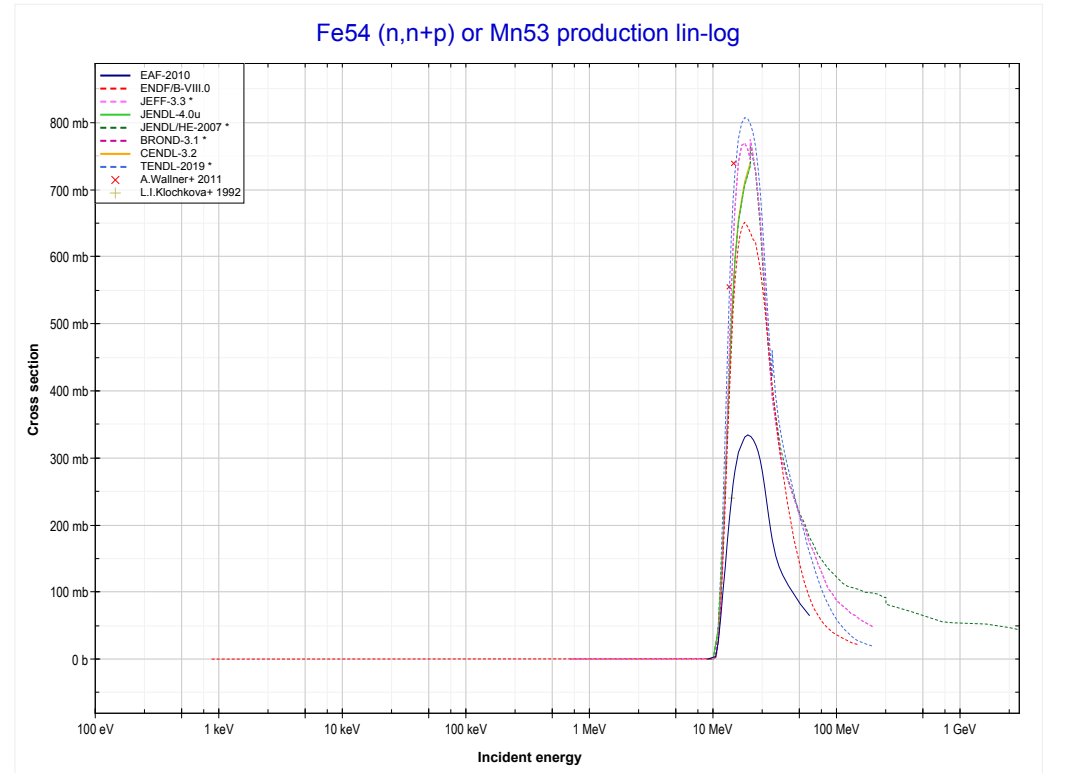
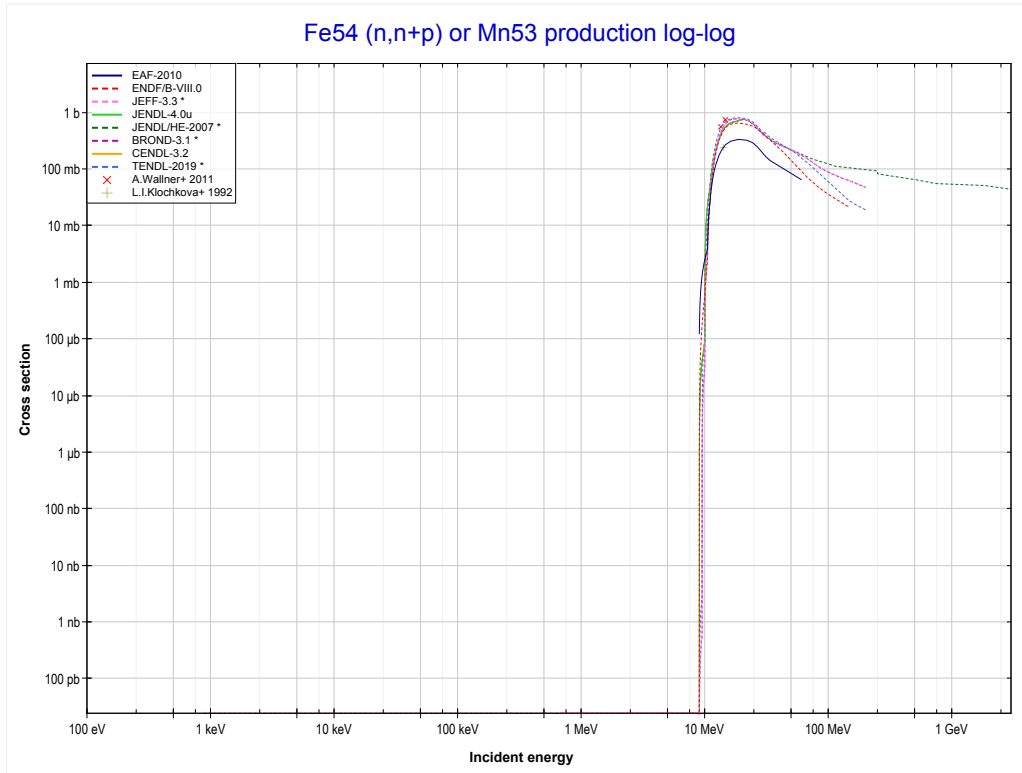
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.54747E-6 b | 0.00108872 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.98837E-6 b | 0.00236984 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.64524E-6 b | 0.0012031 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64524E-6 b | 0.0012031 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.98982E-6 b | 0.00236984 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64722E-6 b | 0.00120024 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 2.54312E-6 b | 0.00108872 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55342E-6 b | 0.00108872 b |

| | | |
|----------------|---|-----------------|
| << 24-Cr-50 | 26-Fe-54 | 27-Co-59 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Fe52 production) | MT28 (n,n+p) >> |



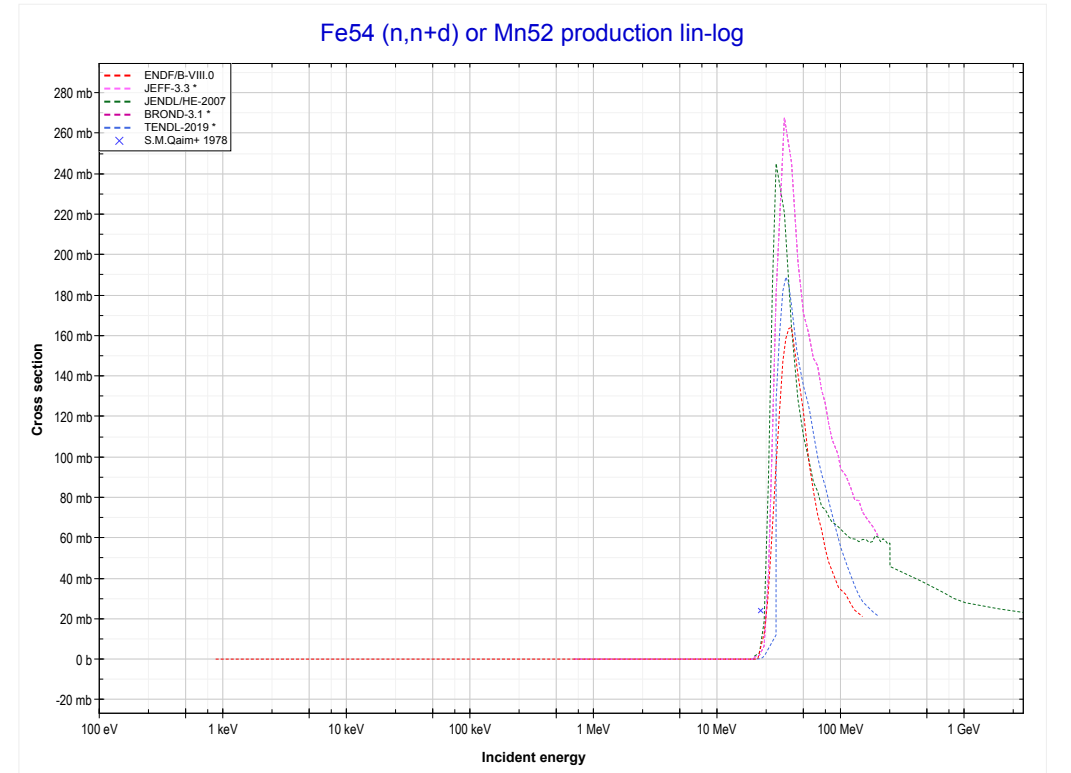
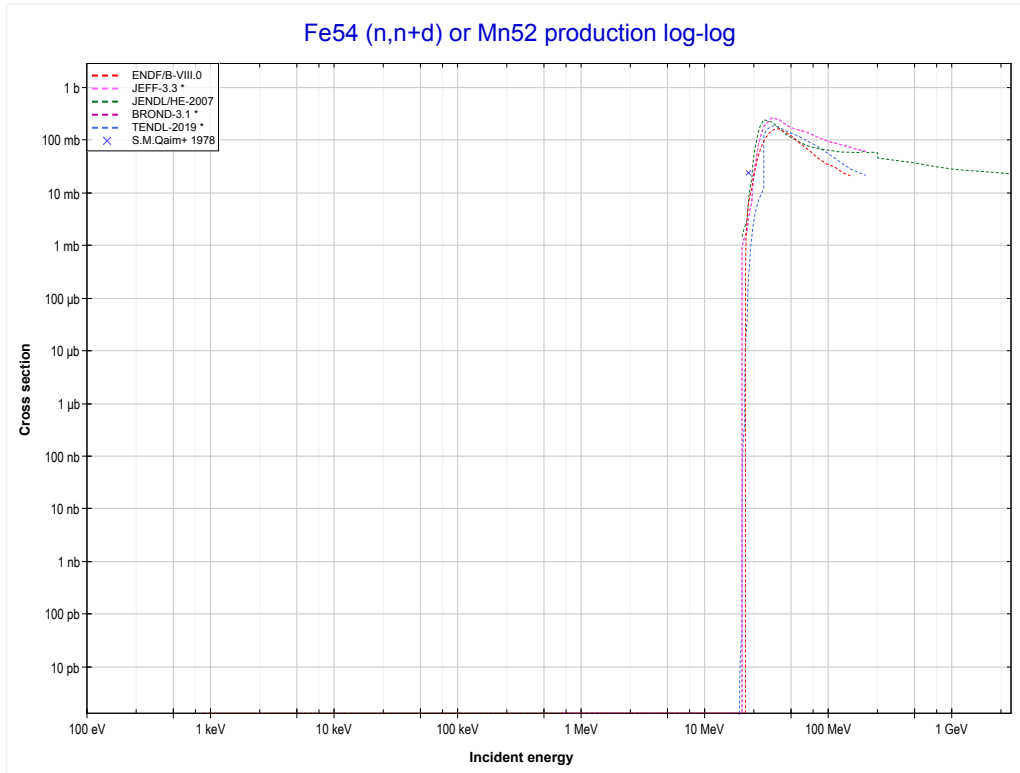
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Fe54(n,3n)Fe52 | -24067.13 keV |

| | | |
|----------------|--|-----------------|
| << 24-Cr-54 | 26-Fe-54 | 26-Fe-56 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Mn53 production) | MT32 (n,n+d) >> |



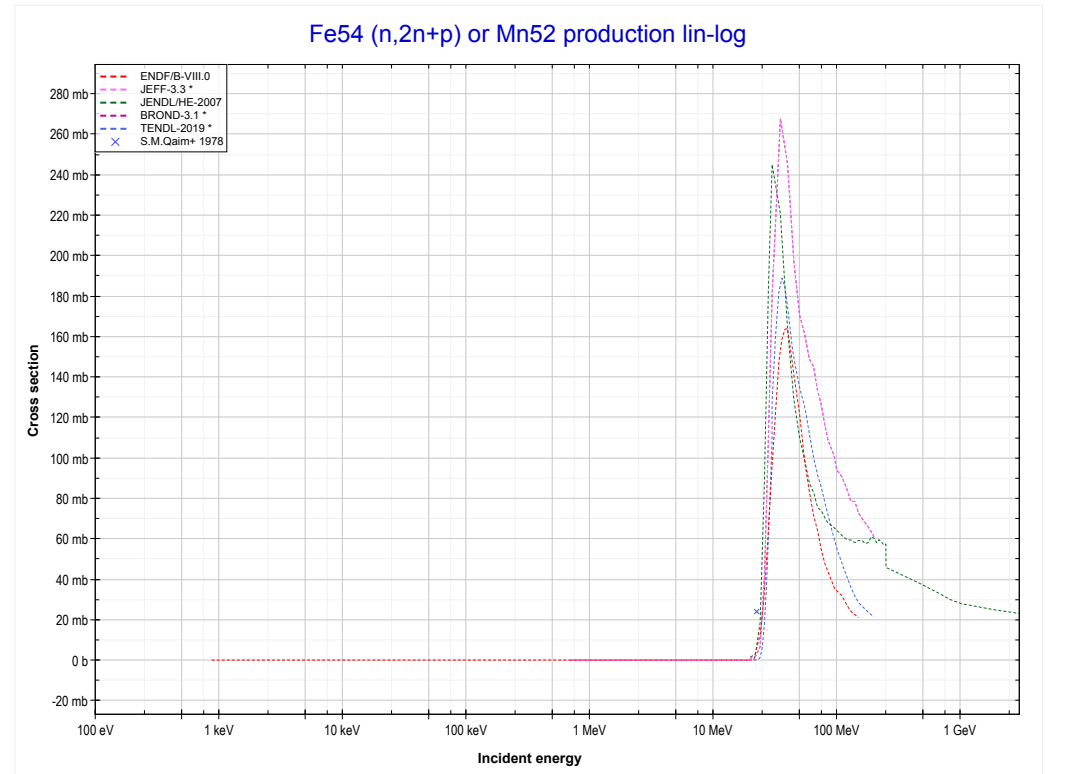
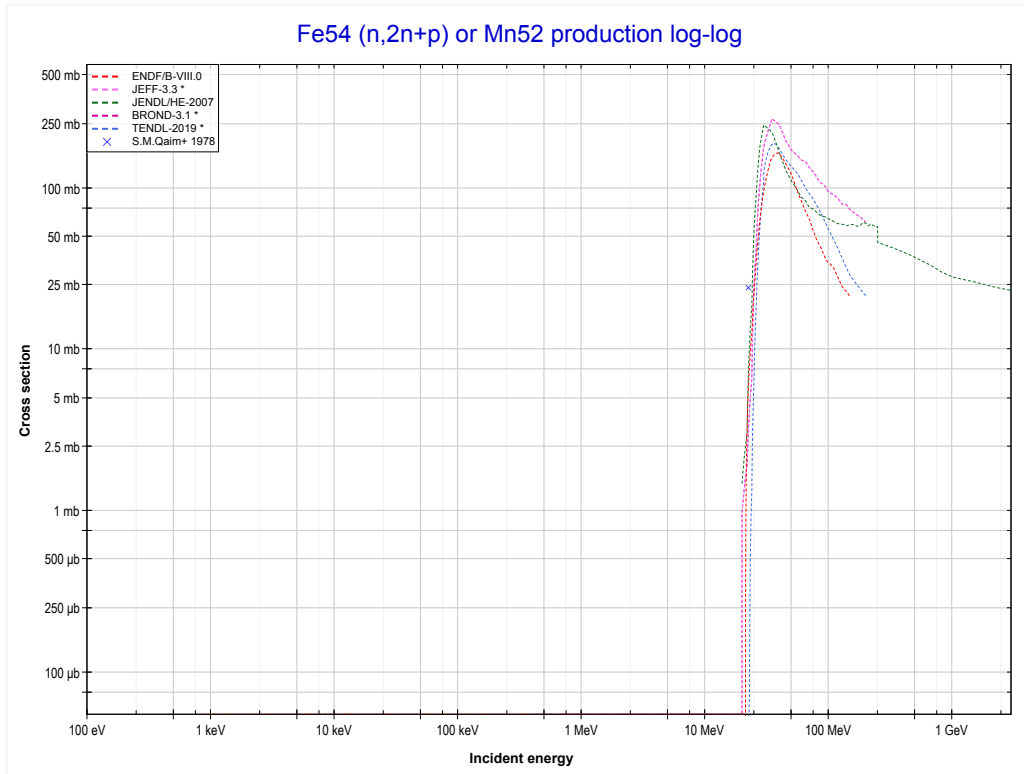
| Reaction | Q-Value |
|-----------------|--------------|
| Fe54(n,d)Mn53 | -6628.80 keV |
| Fe54(n,n+p)Mn53 | -8853.37 keV |

| | | |
|-----------------|--|------------------|
| << 24-Cr-50 | 26-Fe-54 | 26-Fe-56 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Mn52 production) | MT41 (n,2n+p) >> |



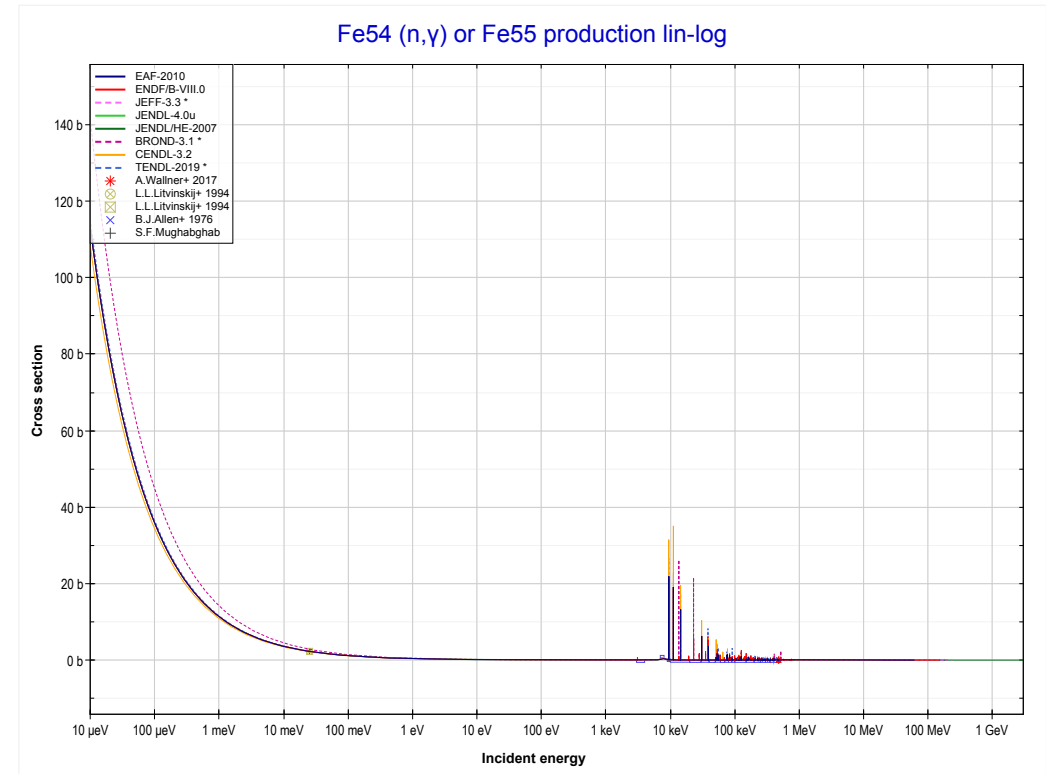
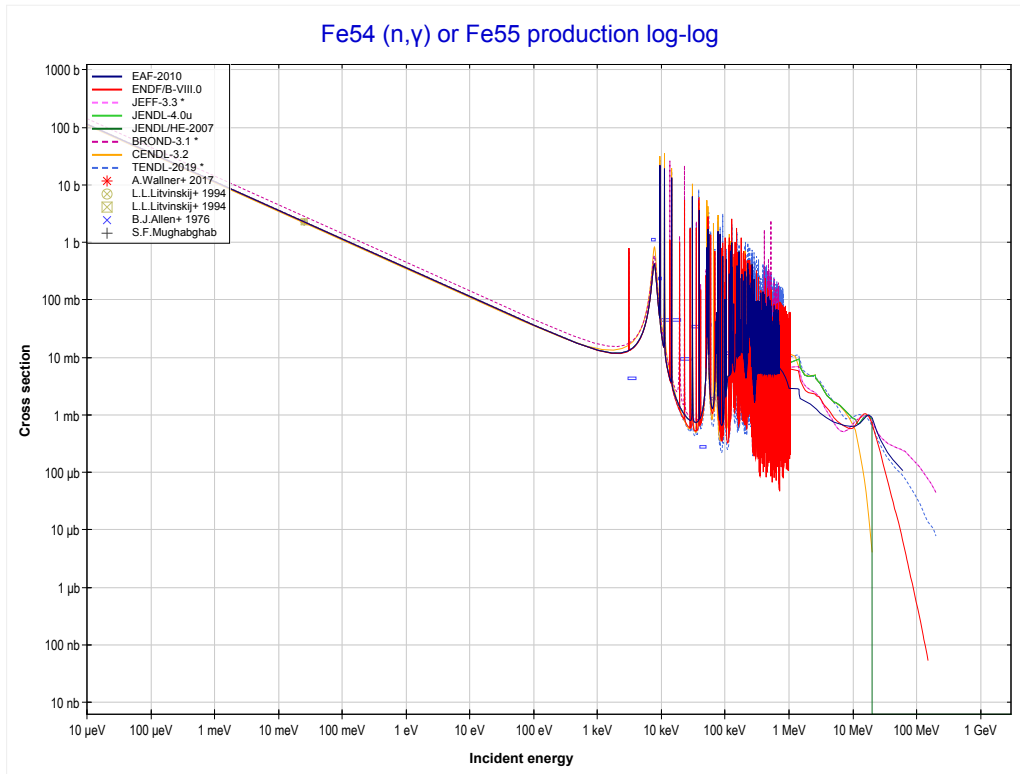
| Reaction | Q-Value |
|------------------|---------------|
| Fe54(n,t)Mn52 | -12425.69 keV |
| Fe54(n,n+d)Mn52 | -18682.92 keV |
| Fe54(n,2n+p)Mn52 | -20907.49 keV |

| | | |
|-----------------|---|-------------------------|
| << 24-Cr-50 | 26-Fe-54 | 26-Fe-56 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Mn52 production) | MT102 (n, γ) >> |



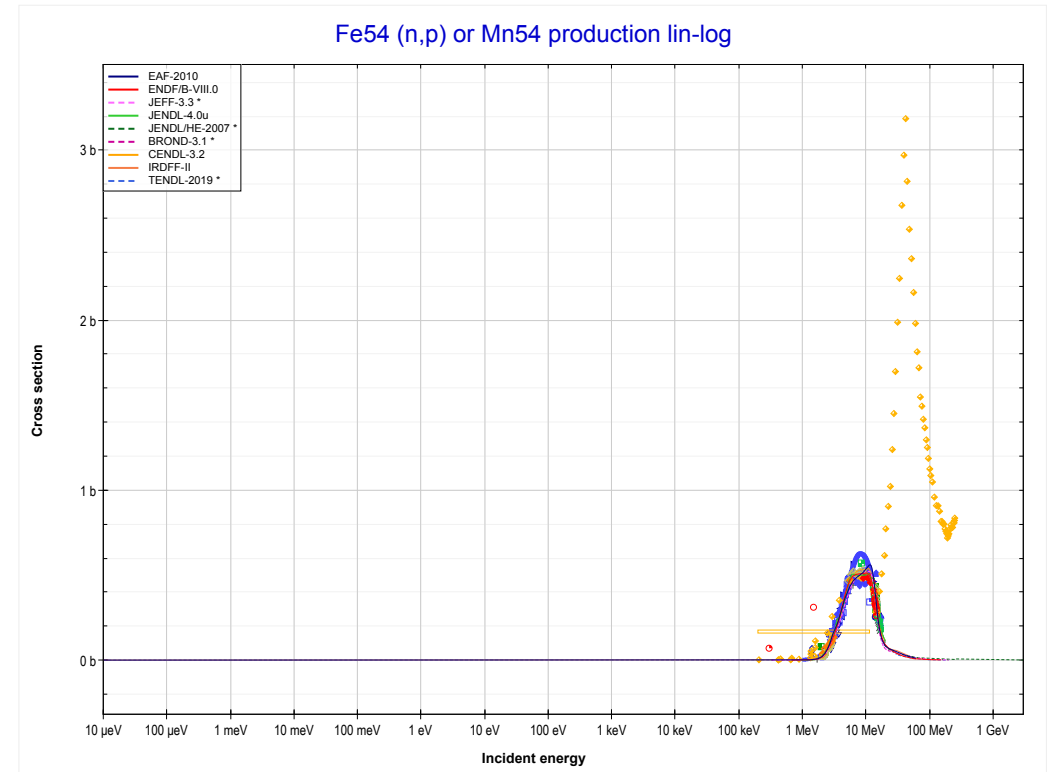
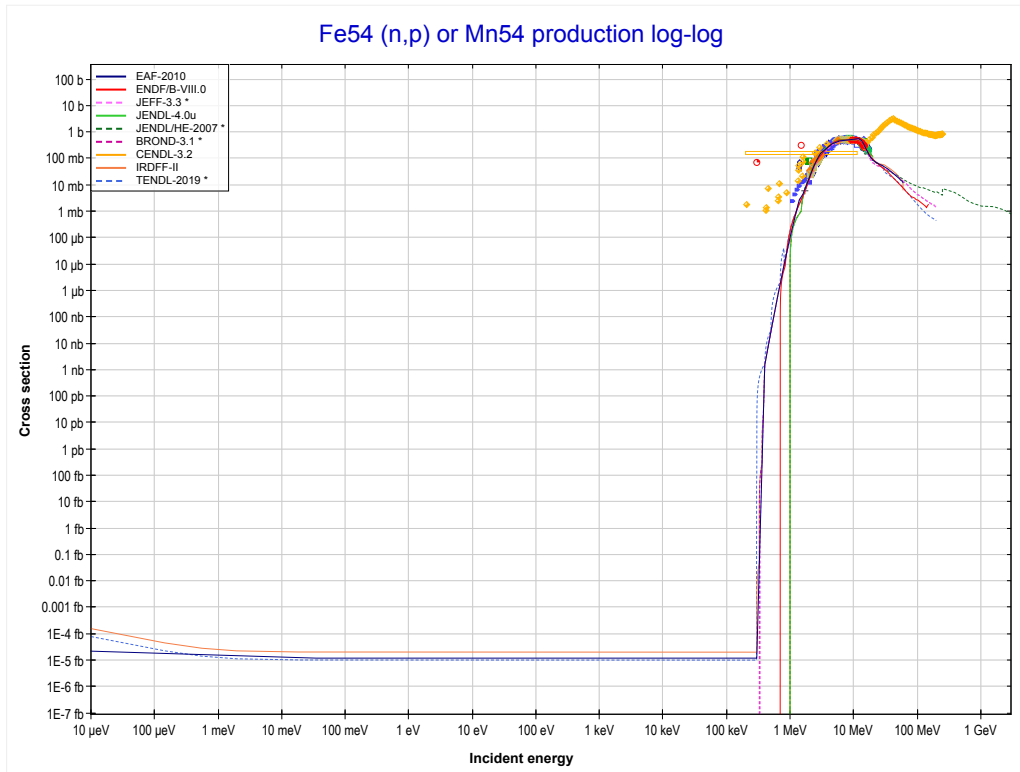
| Reaction | Q-Value |
|------------------|---------------|
| Fe54(n,t)Mn52 | -12425.69 keV |
| Fe54(n,n+d)Mn52 | -18682.92 keV |
| Fe54(n,2n+p)Mn52 | -20907.49 keV |

| | | |
|------------------|---|----------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Fe55 production) | MT103 (n,p) >> |



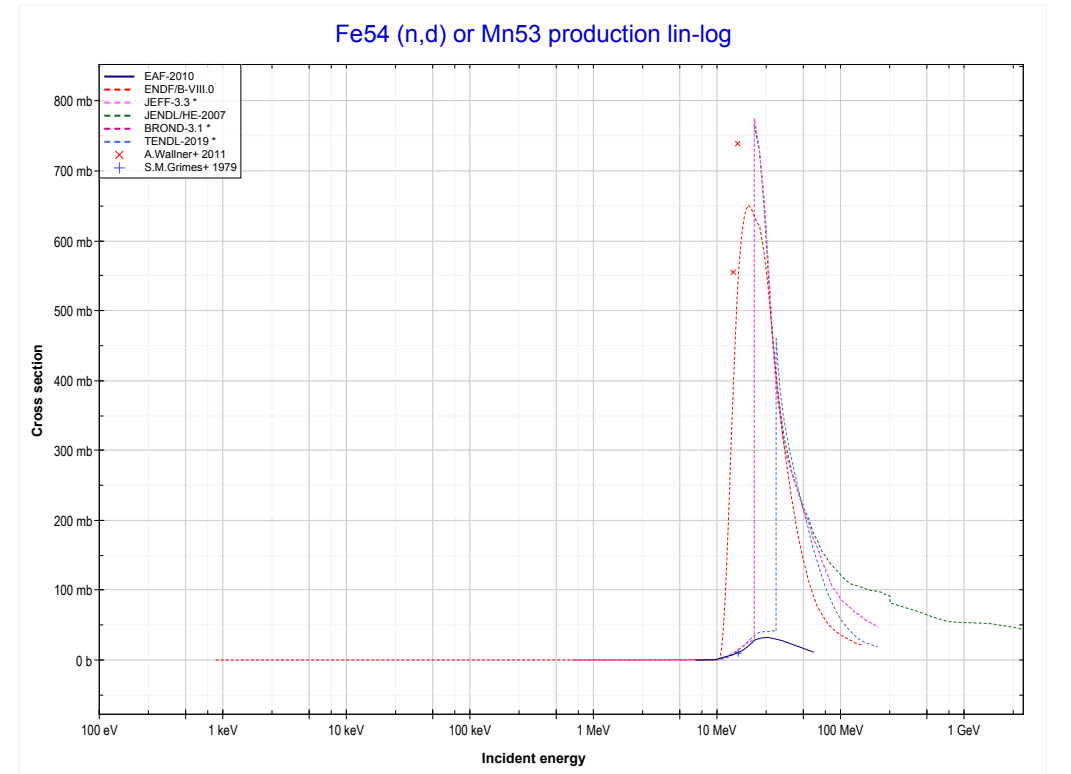
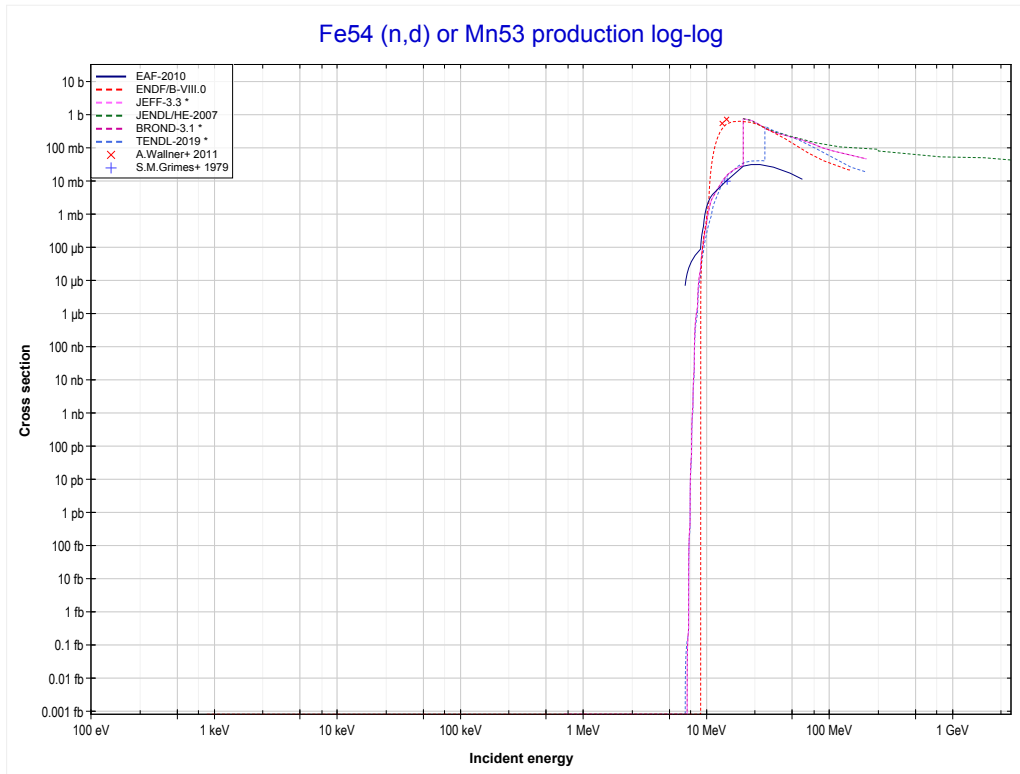
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.25373 b | 2.25204 b | 2.2515 b | 0.99974 | 1.17947 b | 0.00359544 b | 7.95001E-4 b |
| ENDF/B-VIII.0 | 2.2539 b | 2.2539 b | 2.2547 b | 1.00036 | 1.19509 b | 0.00324568 b | 9.89863E-4 b |
| JEFF-3.3 | 2.25207 b | 2.25207 b | 2.2529 b | 1.00036 | 1.18112 b | 0.00488492 b | 9.32801E-4 b |
| JENDL-4.0u | 2.25207 b | 2.25207 b | 2.2529 b | 1.00036 | 1.18112 b | 0.00613879 b | 8.37581E-4 b |
| JENDL/HE-2007 | 2.2514 b | 2.2514 b | 2.2515 b | 1.00005 | 1.17924 b | 0.00613736 b | 8.37581E-4 b |
| BROND-3.1 | 2.81539 b | 2.81539 b | 2.8163 b | 1.00033 | 1.52527 b | 0.00499946 b | 9.32801E-4 b |
| CENDL-3.2 | 2.15596 b | 2.15596 b | 2.1561 b | 1.00005 | 1.29318 b | 0.00640472 b | 1.29385E-4 b |
| TENDL-2019 | 2.29279 b | 2.29279 b | 2.2929 b | 1.00005 | 1.24144 b | 0.00627221 b | 9.81598E-4 b |

| | | |
|-------------------------|---|----------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mn54 production) | MT104 (n,d) >> |



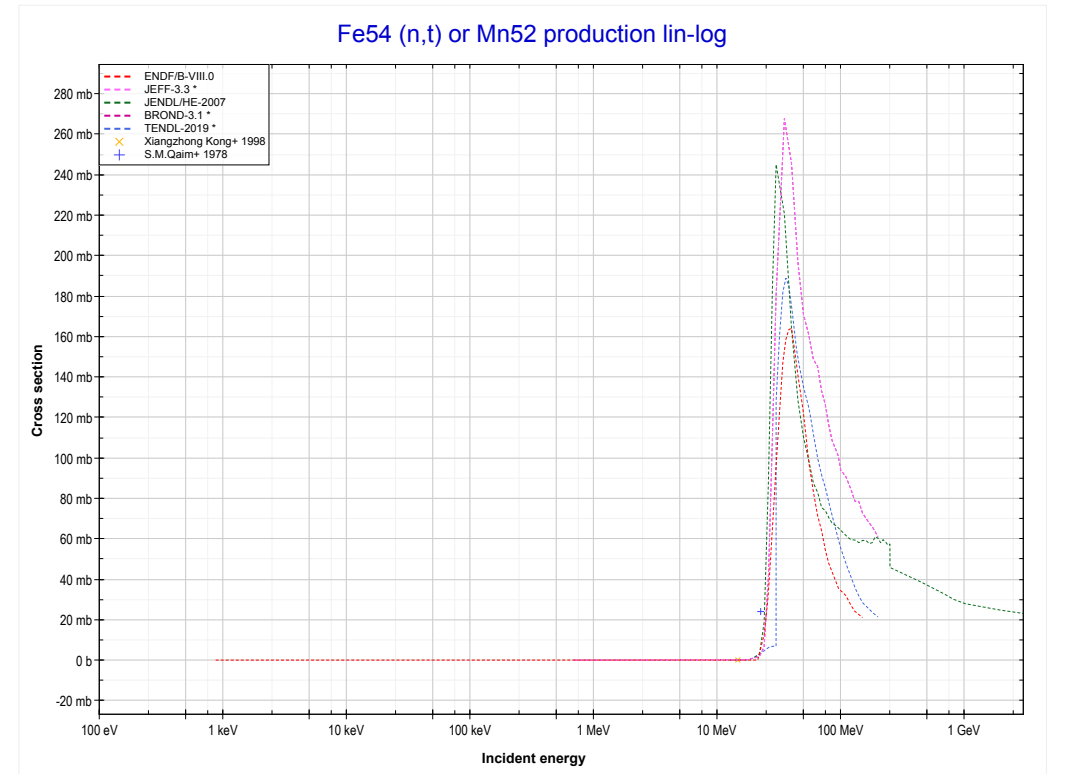
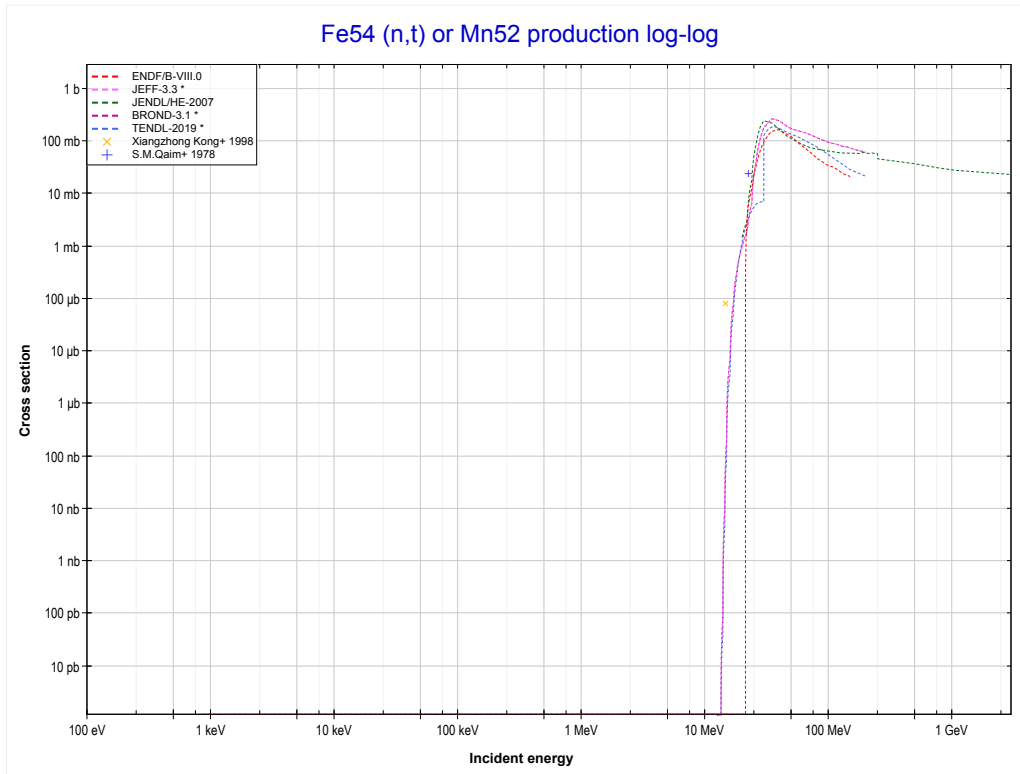
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.1878E-20 b | 1.1878E-20 b | 1.3581E-20 b | 1.14423 | 1.45051E-19 b | 0.0798579 b | 0.399641 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0794953 b | 0.346672 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0720539 b | 0.36392 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0820252 b | 0.3676 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0820252 b | 0.3676 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0720552 b | 0.36392 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0809816 b | 0.359485 b |
| IRDF-2 | 2.0187E-20 b | 2.0187E-20 b | 2.2785E-20 b | 1.12868 | 2.4415E-19 b | 0.0794809 b | 0.346762 b |
| TENDL-2019 | 1.0094E-20 b | 1.0094E-20 b | 1.139E-20 b | 1.12835 | 1.22097E-19 b | 0.079557 b | 0.346673 b |

| | | |
|----------------|---|----------------|
| << 24-Cr-54 | 26-Fe-54 | 26-Fe-56 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Mn53 production) | MT105 (n,t) >> |



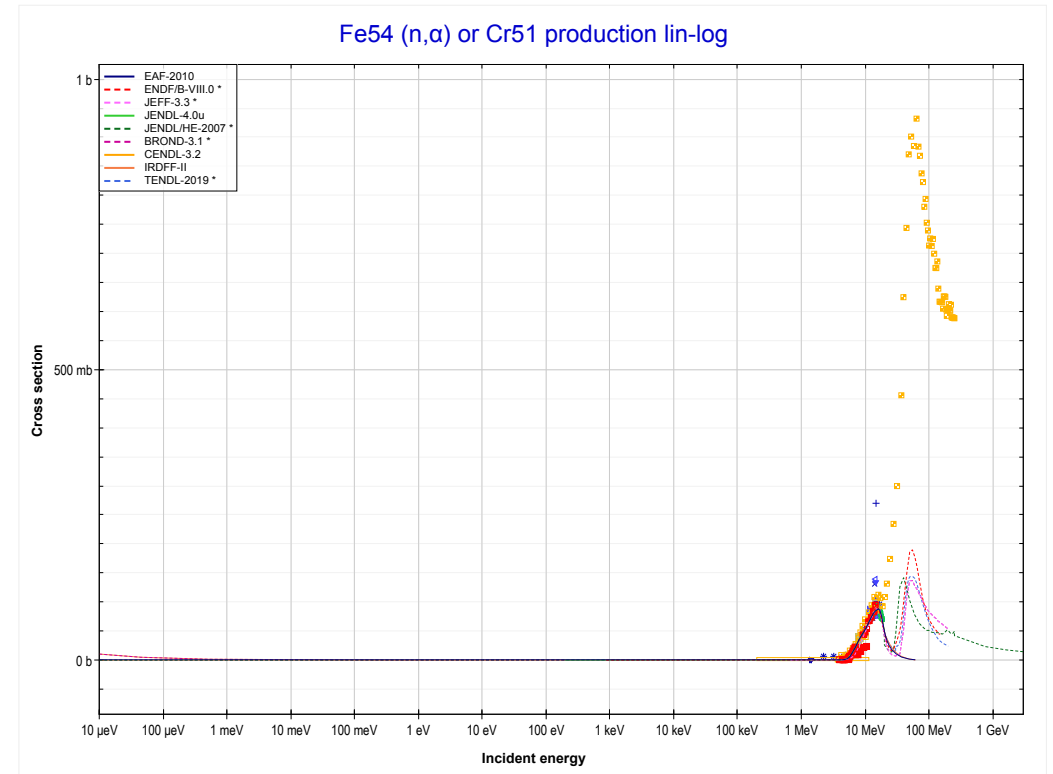
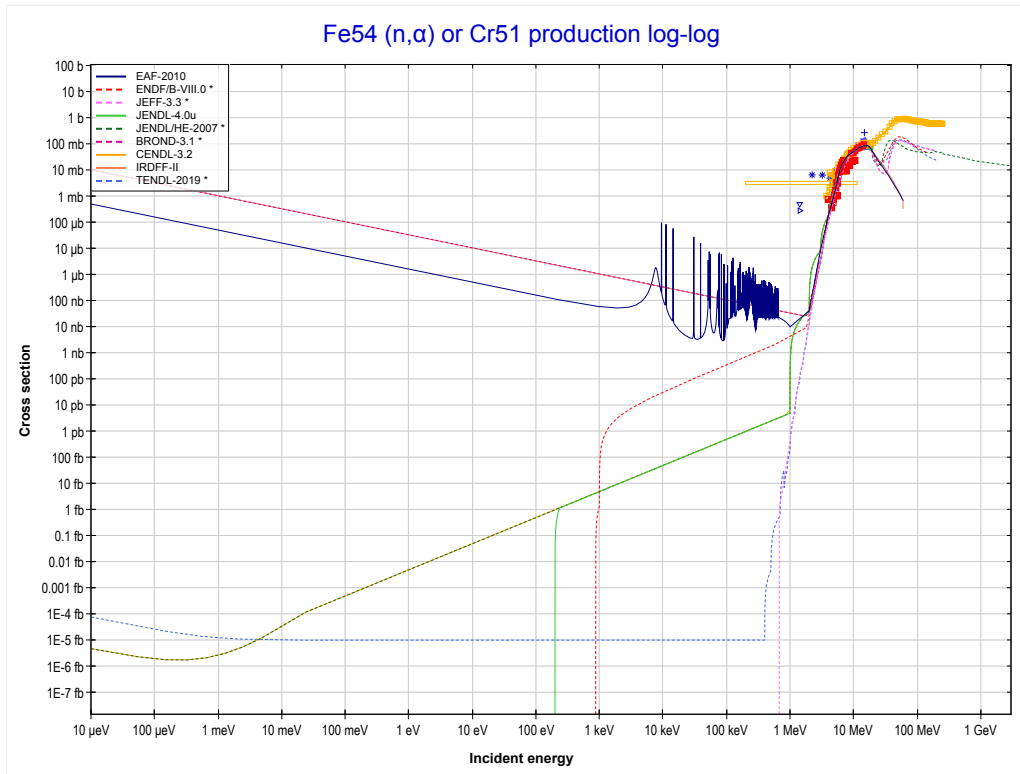
| Reaction | Q-Value |
|-----------------|--------------|
| Fe54(n,d)Mn53 | -6628.80 keV |
| Fe54(n,n+p)Mn53 | -8853.37 keV |

| | | |
|----------------|---|-------------------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-56 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Mn52 production) | MT107 (n, α) >> |



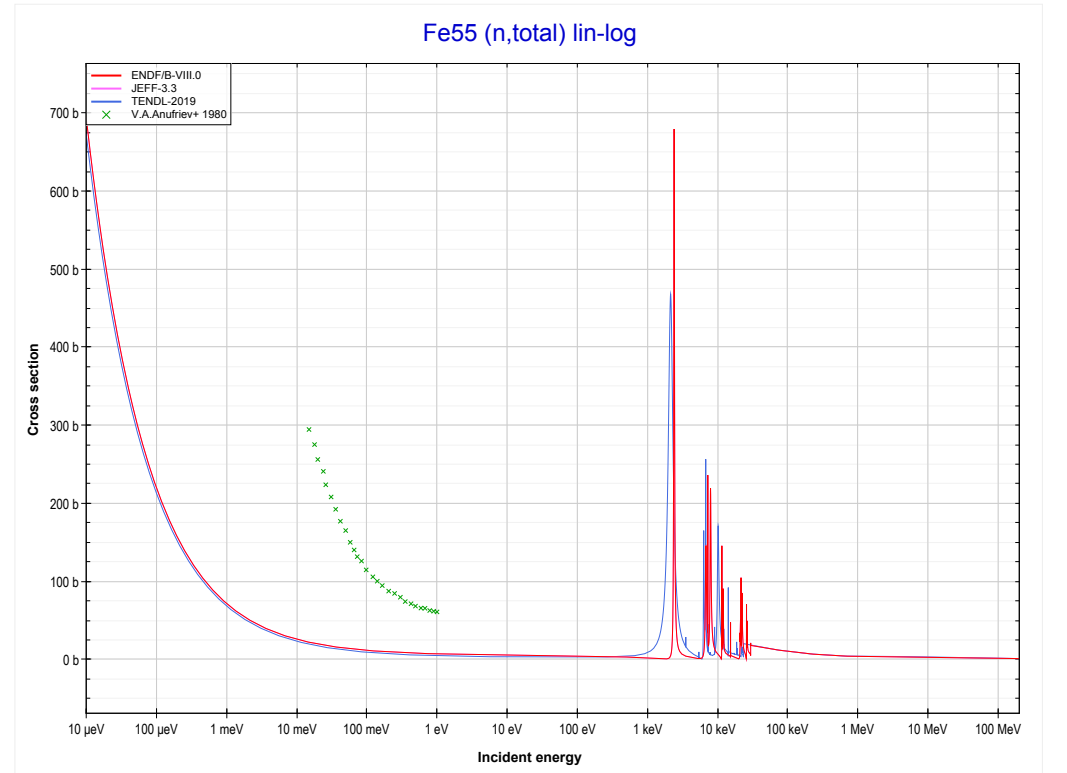
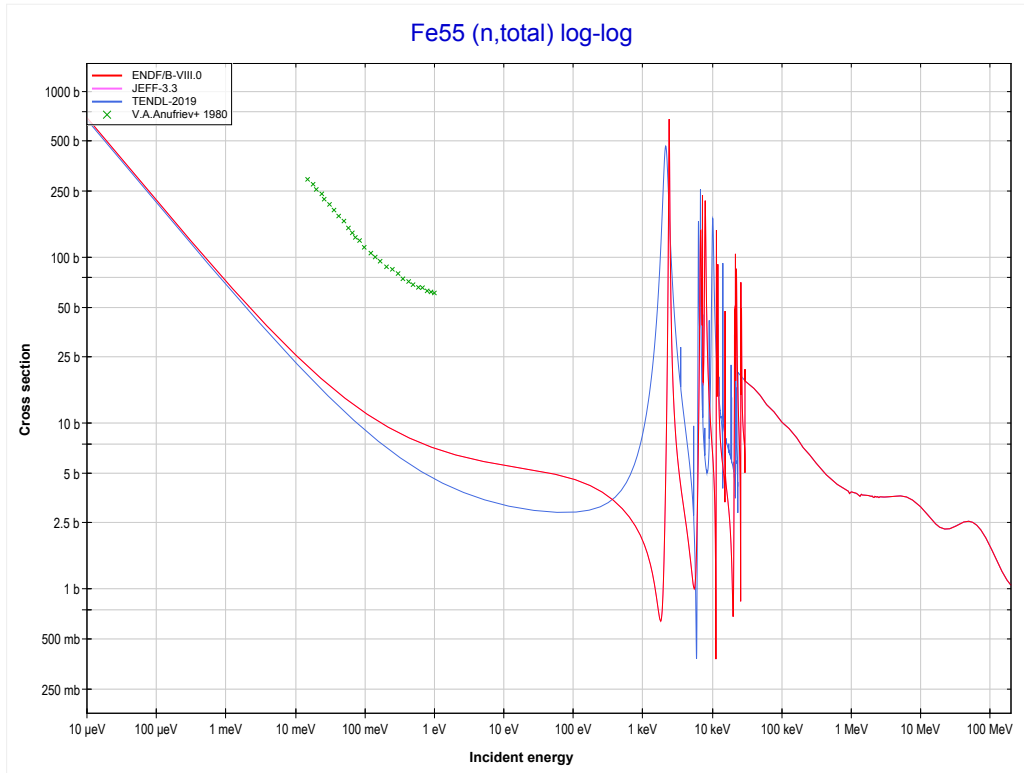
| Reaction | Q-Value |
|------------------|---------------|
| Fe54(n,t)Mn52 | -12425.69 keV |
| Fe54(n,n+d)Mn52 | -18682.92 keV |
| Fe54(n,2n+p)Mn52 | -20907.49 keV |

| | | |
|----------------|---|---------------------------|
| << 25-Mn-55 | 26-Fe-54 | 26-Fe-55 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Cr51 production) | 26-Fe-55 MT1 (n,total) >> |



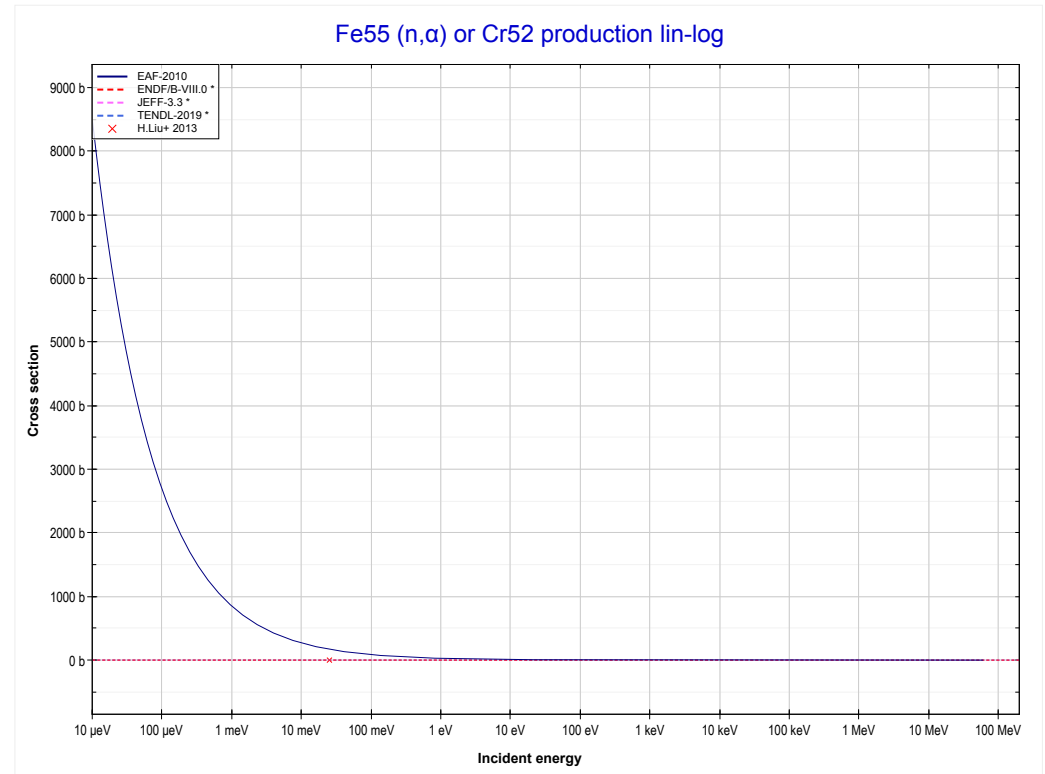
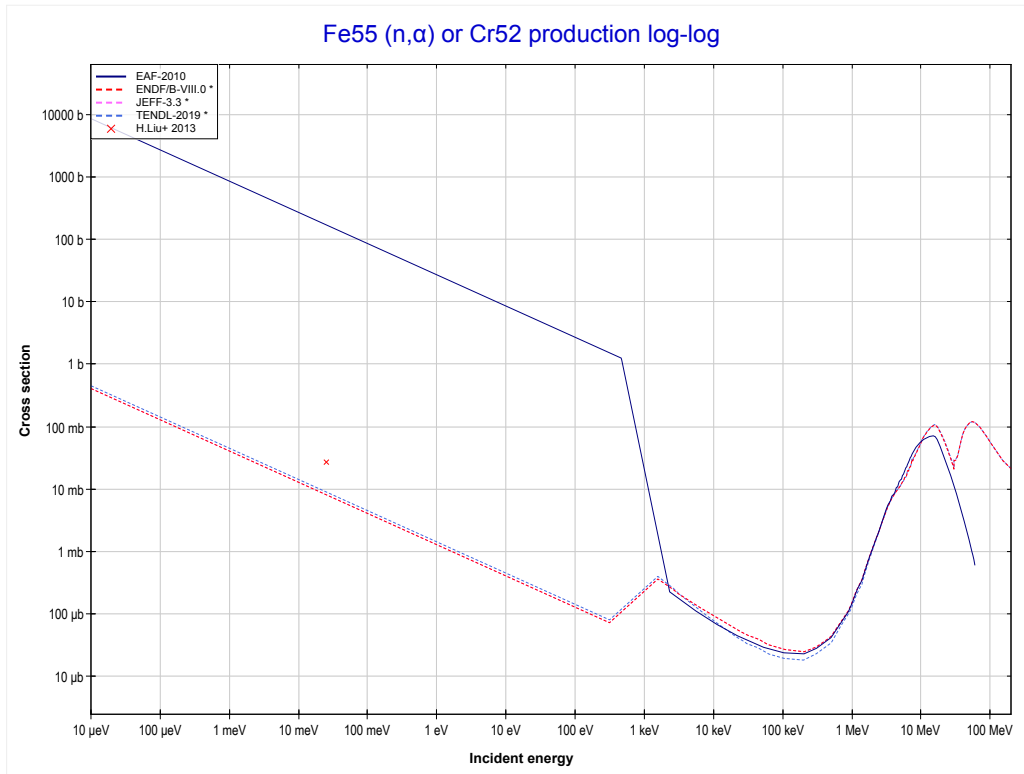
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-5 b | 9.99274E-6 b | 9.9933E-6 b | 1.00008 | 5.23732E-6 b | 9.56178E-4 b | 0.083168 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.30825E-10 b | 8.69252E-4 b | 0.0039819 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.15204E-4 b | 0.0828167 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 4.88379E-13 b | 9.98812E-4 b | 0.083168 b |
| JENDL/HE-2007 | 1.2709E-19 b | 1.2709E-19 b | 2.8248E-19 b | 2.22271 | 4.89436E-13 b | 9.98824E-4 b | 0.083168 b |
| BROND-3.1 | 2.07008E-4 b | 2.07008E-4 b | 2.0708E-4 b | 1.00033 | 9.30315E-5 b | 9.10333E-4 b | 0.0828168 b |
| CENDL-3.2 | 1.2769E-19 b | 1.2769E-19 b | 2.8381E-19 b | 2.22267 | 4.91759E-13 b | 0.00100702 b | 0.0830394 b |
| IRDFF-II | 2.07007E-4 b | 2.07007E-4 b | 2.0707E-4 b | 1.0003 | 9.29675E-5 b | 9.81471E-4 b | 0.0876584 b |
| TENDL-2019 | 1.0094E-20 b | 1.0094E-20 b | 1.139E-20 b | 1.12835 | 1.22097E-19 b | 9.82326E-4 b | 0.0877214 b |

| | | |
|----------------------------------|----------------------|-------------------------|
| << 26-Fe-54 | 26-Fe-55 | 26-Fe-56 >> |
| << 26-Fe-54 MT107 (n, α) | MT1 (n,total) | MT107 (n, α) >> |



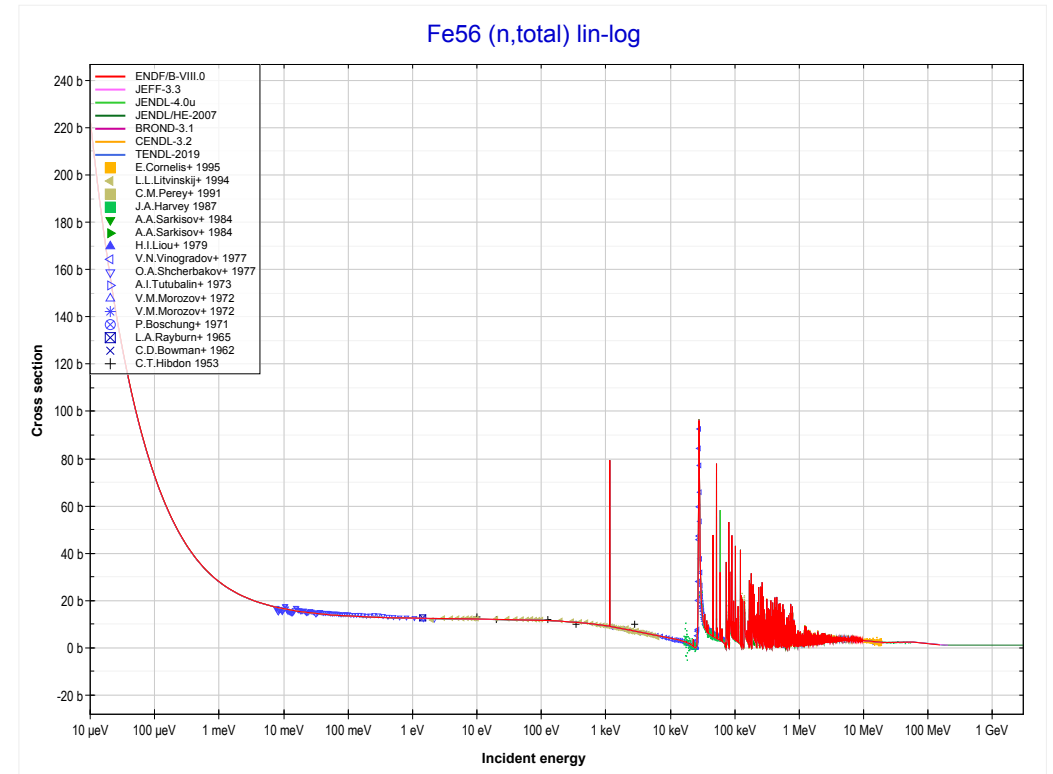
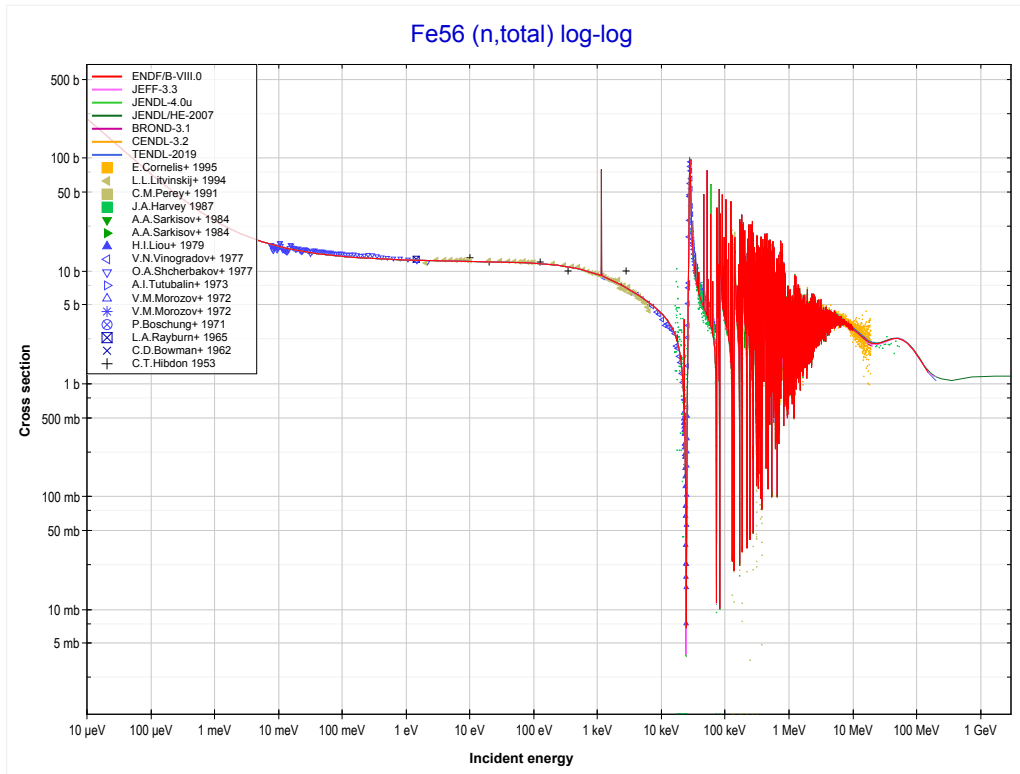
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 18.0576 b | 18.0576 b | 18.706 b | 1.03592 | 126.352 b | 4.16638 b | 2.66393 b |
| JEFF-3.3 | 18.0576 b | 18.0576 b | 18.706 b | 1.03592 | 126.352 b | 4.16638 b | 2.66393 b |
| TENDL-2019 | 15.5428 b | 15.5428 b | 15.872 b | 1.02117 | 211.555 b | 4.1762 b | 2.66404 b |

| | | |
|------------------|---|---------------------------|
| << 26-Fe-54 | 26-Fe-55 | 26-Fe-56 >> |
| << MT1 (n,total) | MT107 (n,α) or MT5 (Cr52 production) | 26-Fe-56 MT1 (n,total) >> |



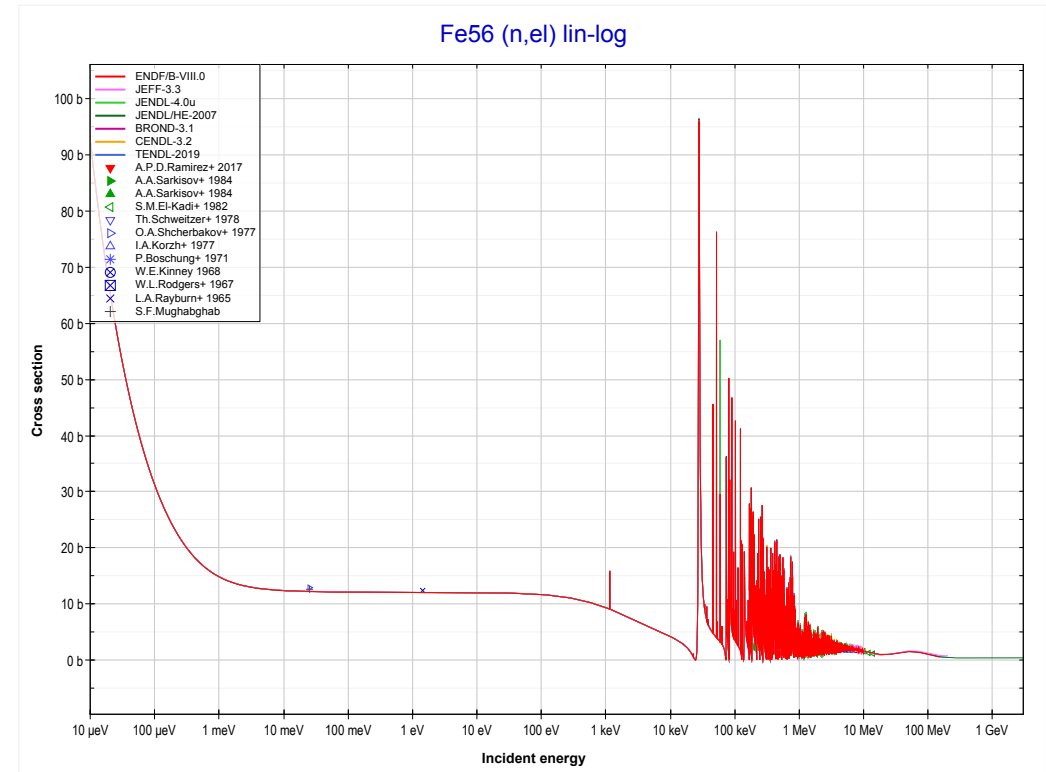
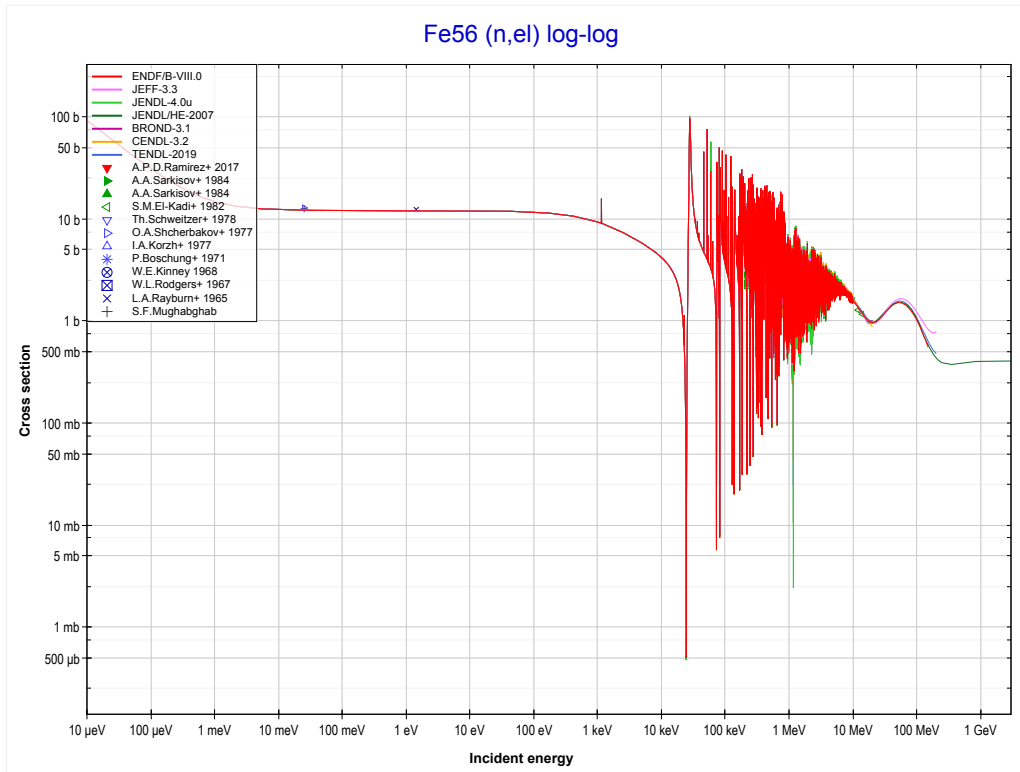
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 169.254 b | 169.127 b | 169.13 b | 1.00004 | 73.9293 b | 0.00332964 b | 0.0707459 b |
| ENDF/B-VIII.0 | 0.00810065 b | 0.00810065 b | 0.0081029 b | 1.00027 | 0.00427093 b | 0.00293359 b | 0.0979861 b |
| JEFF-3.3 | 0.00810065 b | 0.00810065 b | 0.0081029 b | 1.00027 | 0.00427093 b | 0.00293359 b | 0.0979861 b |
| TENDL-2019 | 0.00899369 b | 0.00899369 b | 0.0089877 b | 0.99933 | 0.00466037 b | 0.00293637 b | 0.0998627 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 26-Fe-55 | 26-Fe-56 | 26-Fe-57 >> |
| << 26-Fe-55 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



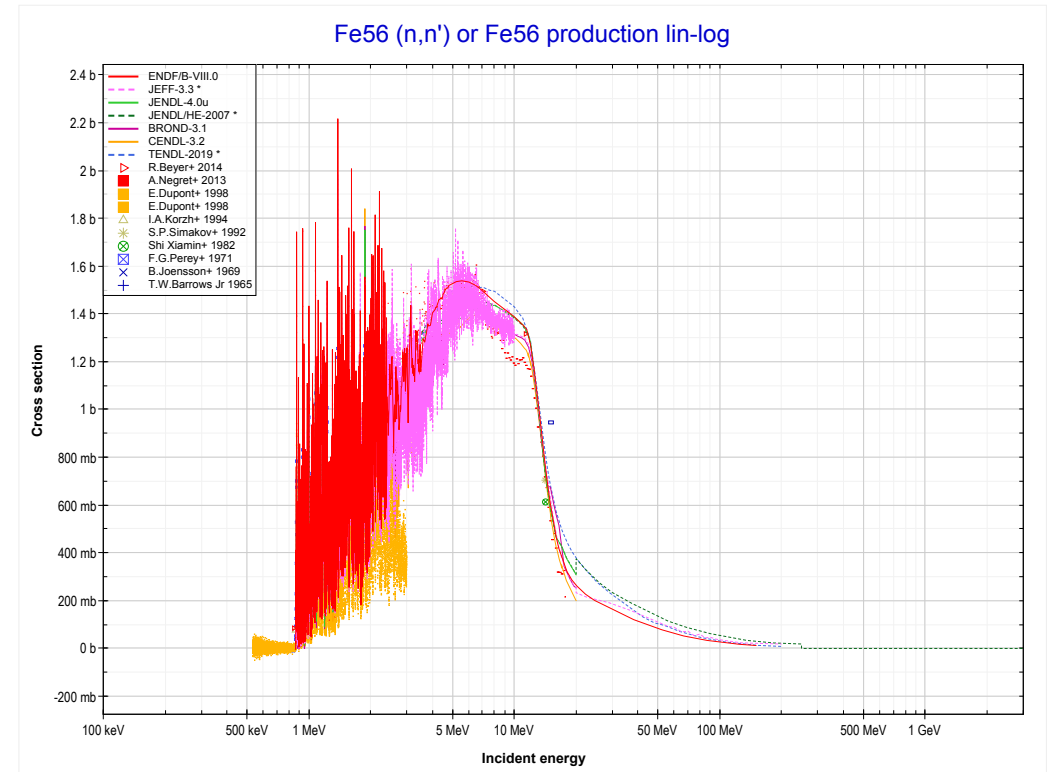
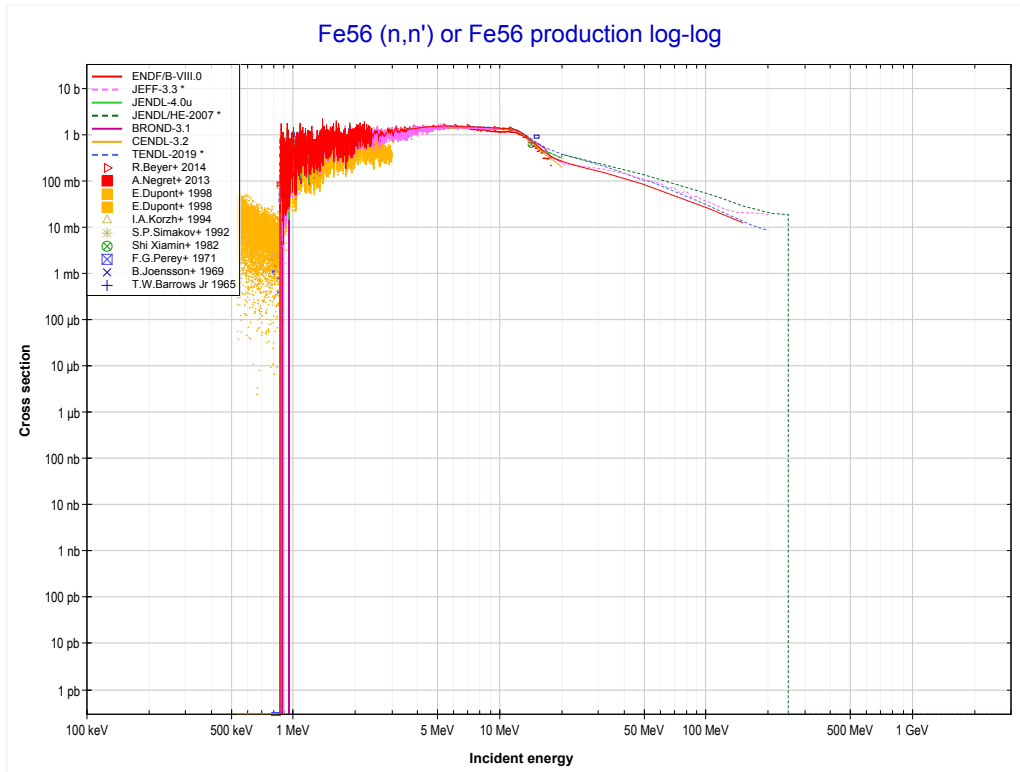
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.7952 b | 14.7952 b | 16.361 b | 1.1058 | 121.618 b | 3.24116 b | 2.58836 b |
| JEFF-3.3 | 14.7939 b | 14.7939 b | 16.361 b | 1.10596 | 121.763 b | 3.24682 b | 2.58908 b |
| JENDL-4.0u | 14.7813 b | 14.7813 b | 16.347 b | 1.1059 | 121.62 b | 3.25246 b | 2.58904 b |
| JENDL/HE-2007 | 14.7805 b | 14.7805 b | 16.346 b | 1.1059 | 121.674 b | 3.25255 b | 2.58904 b |
| BROND-3.1 | 14.7813 b | 14.7813 b | 16.347 b | 1.1059 | 121.618 b | 3.23667 b | 2.58115 b |
| CENDL-3.2 | 14.7944 b | 14.7944 b | 16.36 b | 1.1058 | 121.681 b | 3.24449 b | 2.5851 b |
| TENDL-2019 | 14.7805 b | 14.7805 b | 16.346 b | 1.1059 | 121.678 b | 3.30022 b | 2.67975 b |

| | | |
|------------------|------------------------|---------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



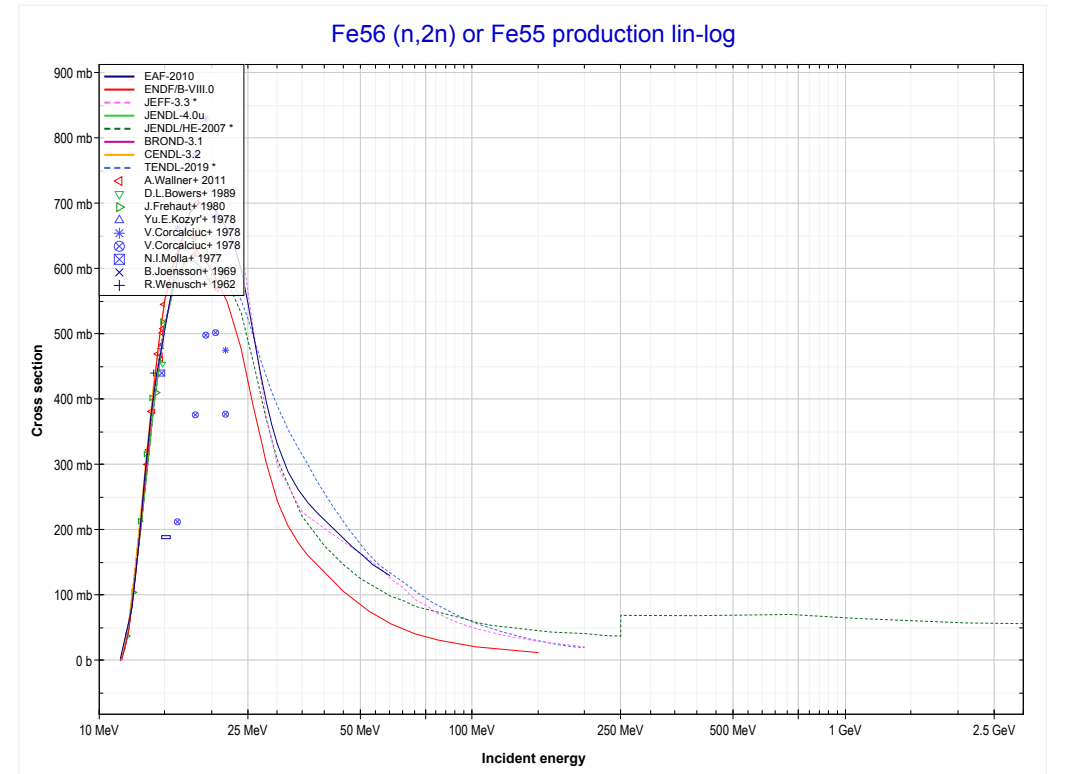
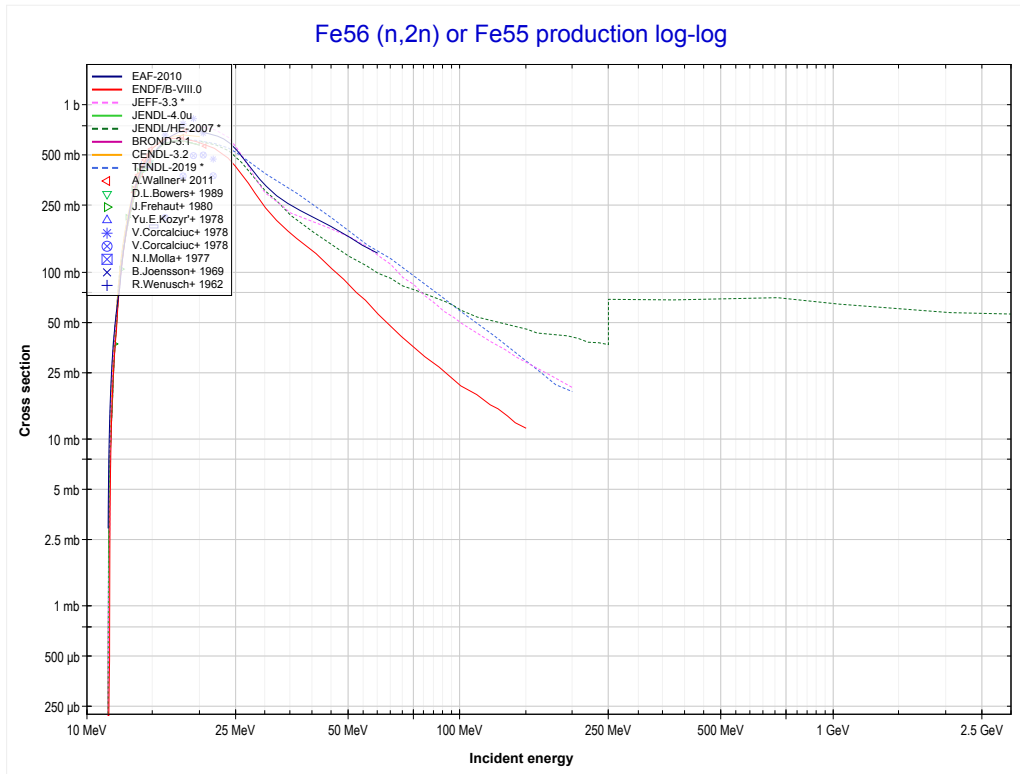
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.19 b | 12.19 b | 13.754 b | 1.12833 | 120.255 b | 2.55055 b | 1.18095 b |
| JEFF-3.3 | 12.2076 b | 12.2076 b | 13.774 b | 1.12833 | 120.434 b | 2.62528 b | 1.16408 b |
| JENDL-4.0u | 12.19 b | 12.19 b | 13.754 b | 1.12833 | 120.288 b | 2.5883 b | 1.19946 b |
| JENDL/HE-2007 | 12.1901 b | 12.1901 b | 13.755 b | 1.1284 | 120.336 b | 2.59475 b | 1.20308 b |
| BROND-3.1 | 12.19 b | 12.19 b | 13.754 b | 1.12833 | 120.286 b | 2.61427 b | 1.20202 b |
| CENDL-3.2 | 12.1901 b | 12.1901 b | 13.755 b | 1.1284 | 120.304 b | 2.67659 b | 1.18905 b |
| TENDL-2019 | 12.1901 b | 12.1901 b | 13.755 b | 1.1284 | 120.34 b | 2.62775 b | 1.23971 b |

| | | |
|--------------------|--|----------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Fe56 production) | MT16 (n,2n) >> |



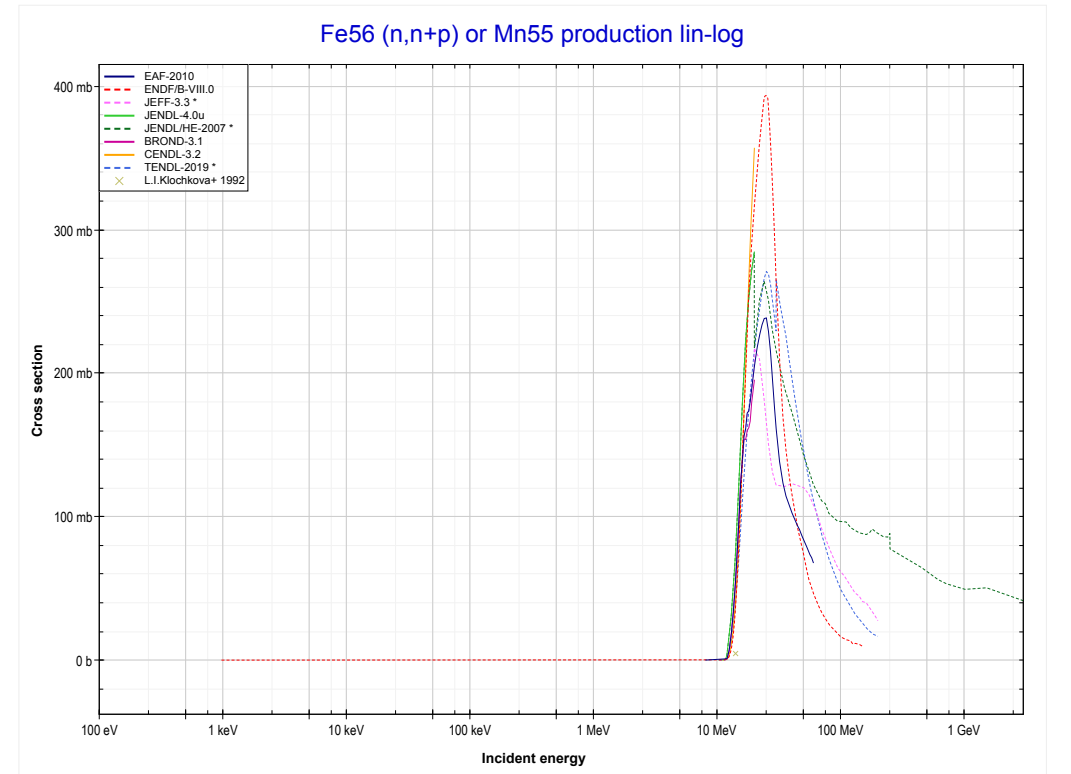
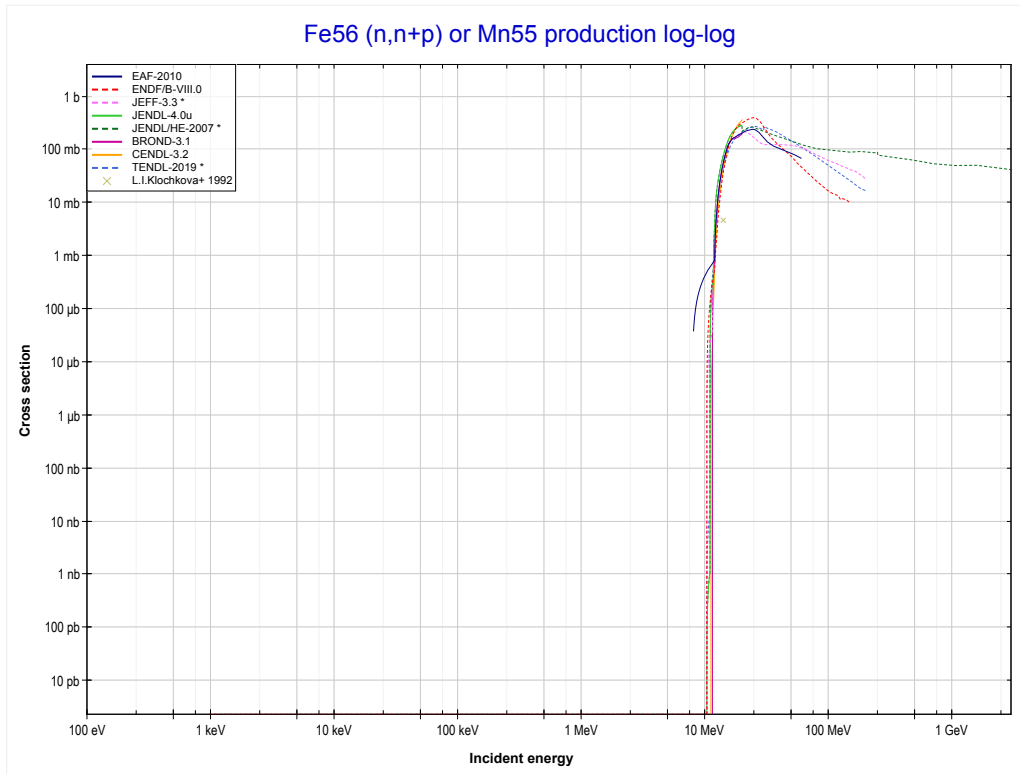
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.685964 b | 0.800566 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.617057 b | 0.804174 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.658931 b | 0.772937 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.652533 b | 0.769316 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.617344 b | 0.77441 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.562928 b | 0.762253 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.668013 b | 0.847789 b |

| | | |
|---------------|---|-----------------|
| << 26-Fe-54 | 26-Fe-56 | 27-Co-59 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Fe55 production) | MT28 (n,n+p) >> |



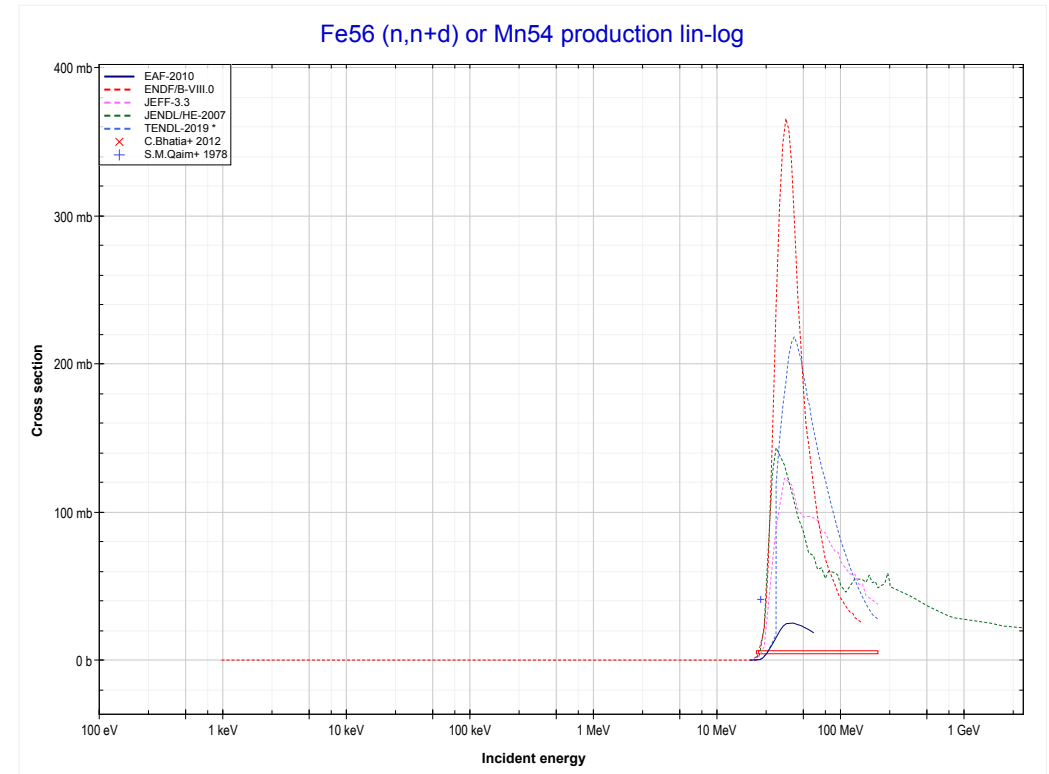
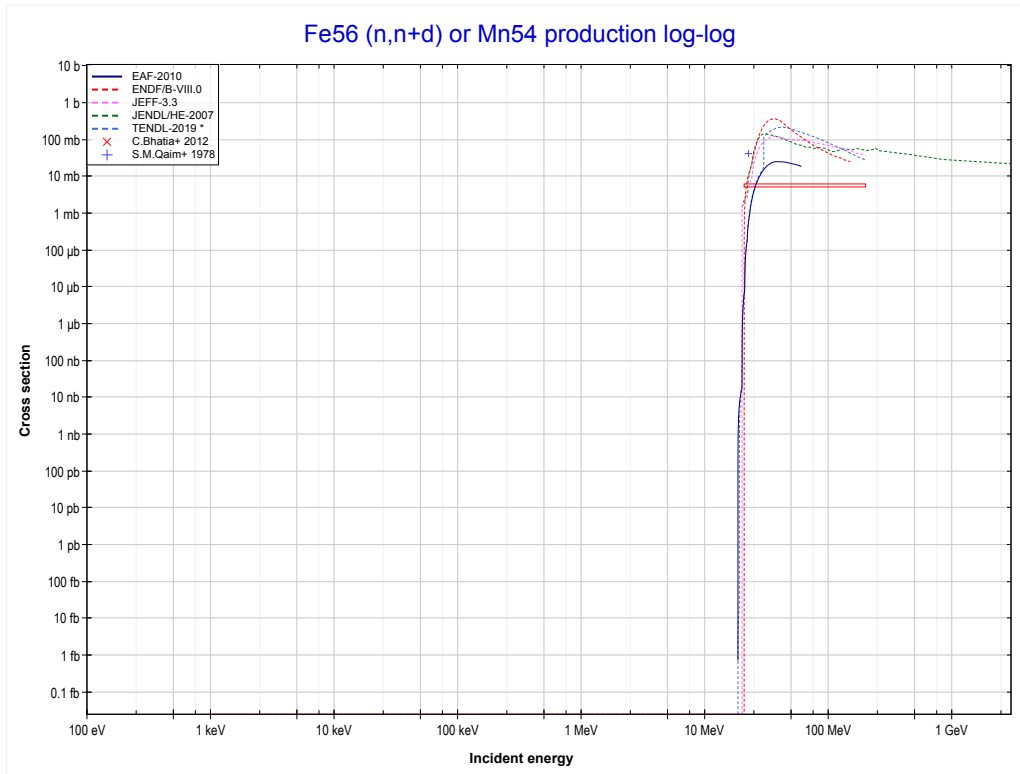
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37347E-4 b | 0.40614 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35488E-4 b | 0.415721 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35859E-4 b | 0.40614 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.29731E-4 b | 0.389165 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2973E-4 b | 0.389165 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29774E-4 b | 0.389165 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.44248E-4 b | 0.427667 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38593E-4 b | 0.401967 b |

| | | |
|----------------|--|-----------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Mn55 production) | MT32 (n,n+d) >> |



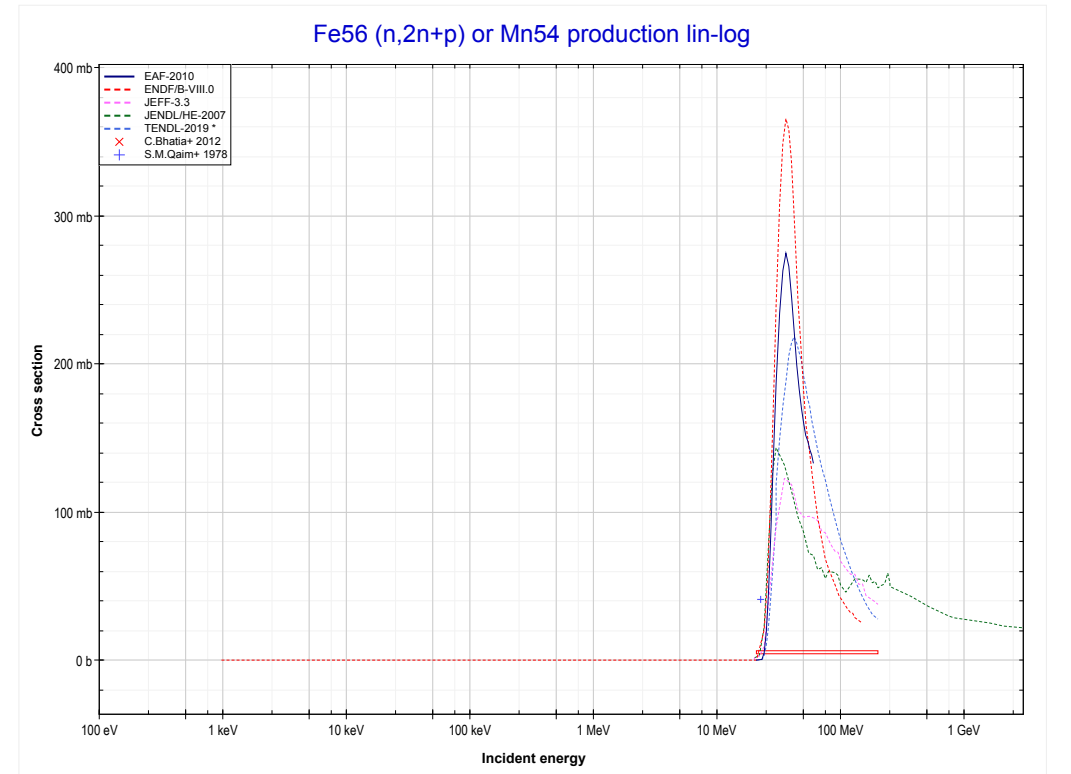
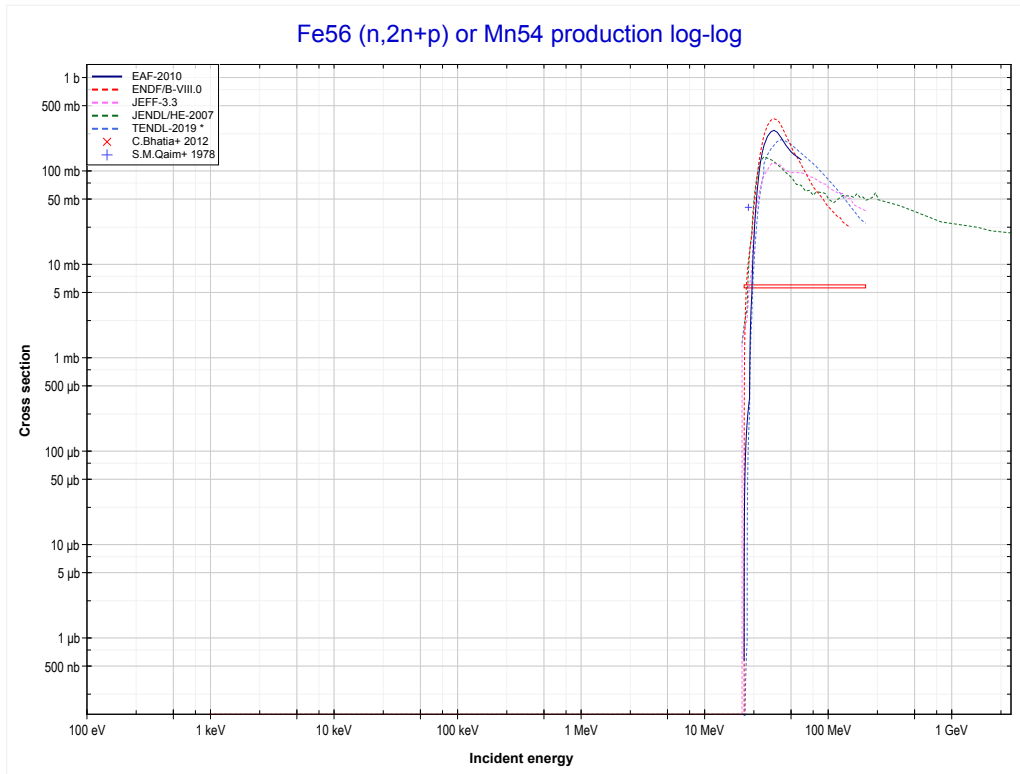
| Reaction | Q-Value |
|-----------------|---------------|
| Fe56(n,d)Mn55 | -7959.10 keV |
| Fe56(n,n+p)Mn55 | -10183.67 keV |

| | | |
|-----------------|--|------------------|
| << 26-Fe-54 | 26-Fe-56 | 28-Ni-58 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Mn54 production) | MT41 (n,2n+p) >> |



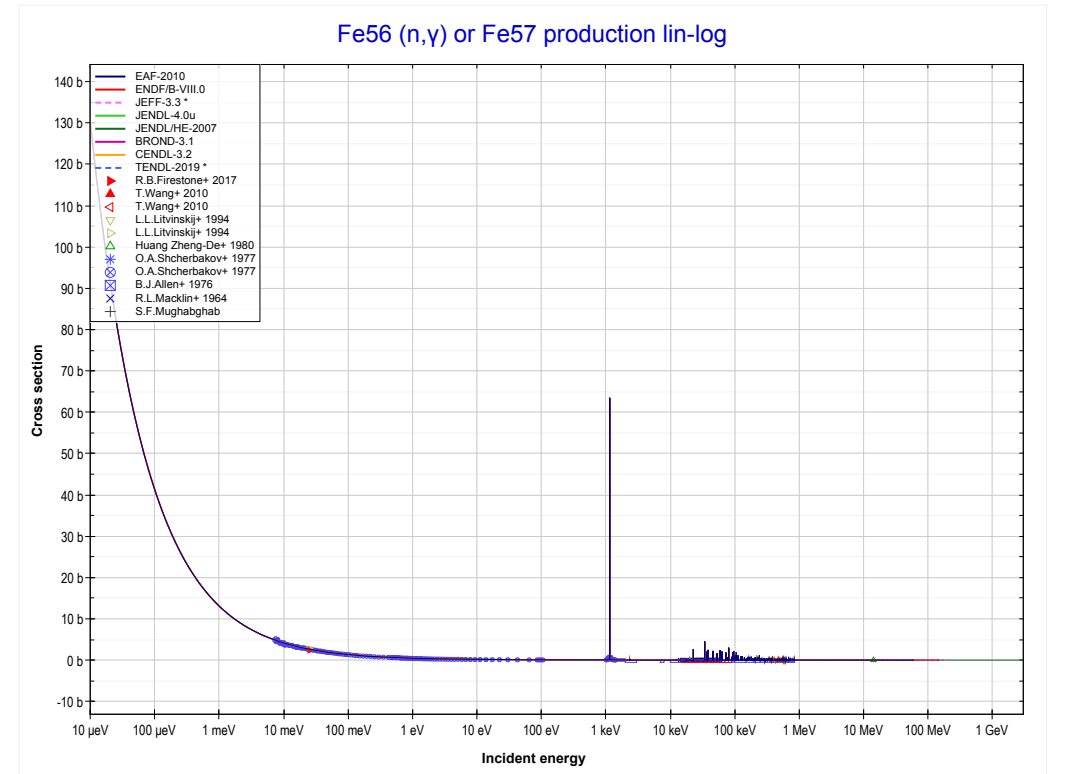
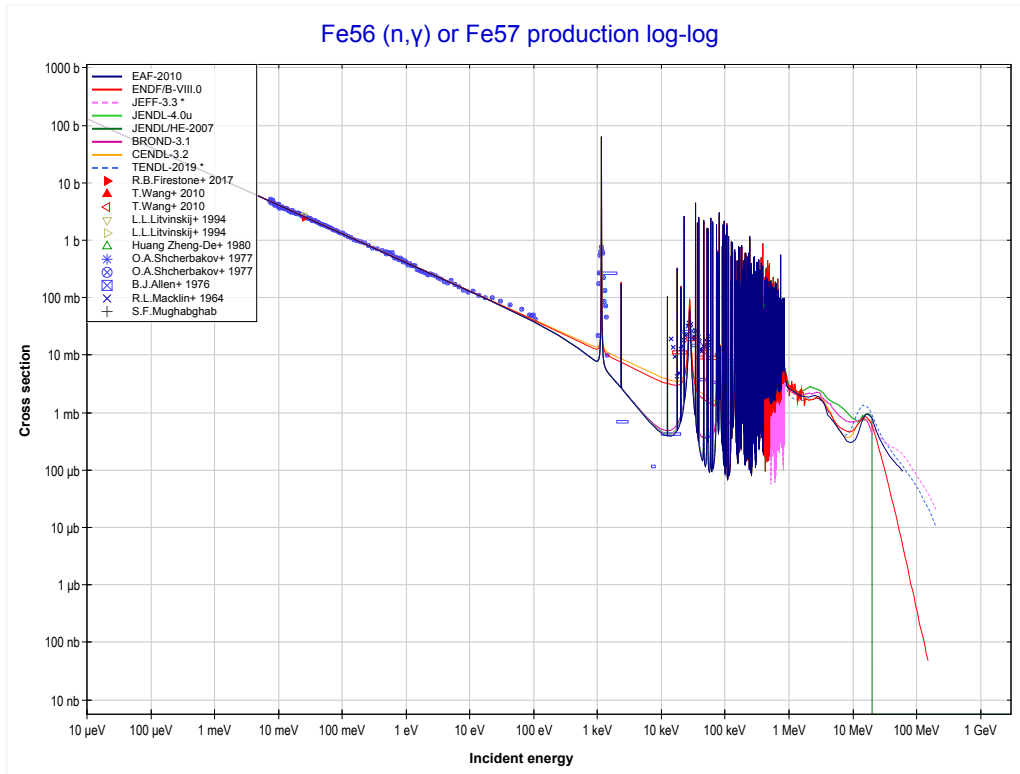
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,t)Mn54 | -11927.99 keV |
| Fe56(n,n+d)Mn54 | -18185.22 keV |
| Fe56(n,2n+p)Mn54 | -20409.79 keV |

| | | |
|-----------------|---|-------------------------|
| << 26-Fe-54 | 26-Fe-56 | 28-Ni-58 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Mn54 production) | MT102 (n, γ) >> |



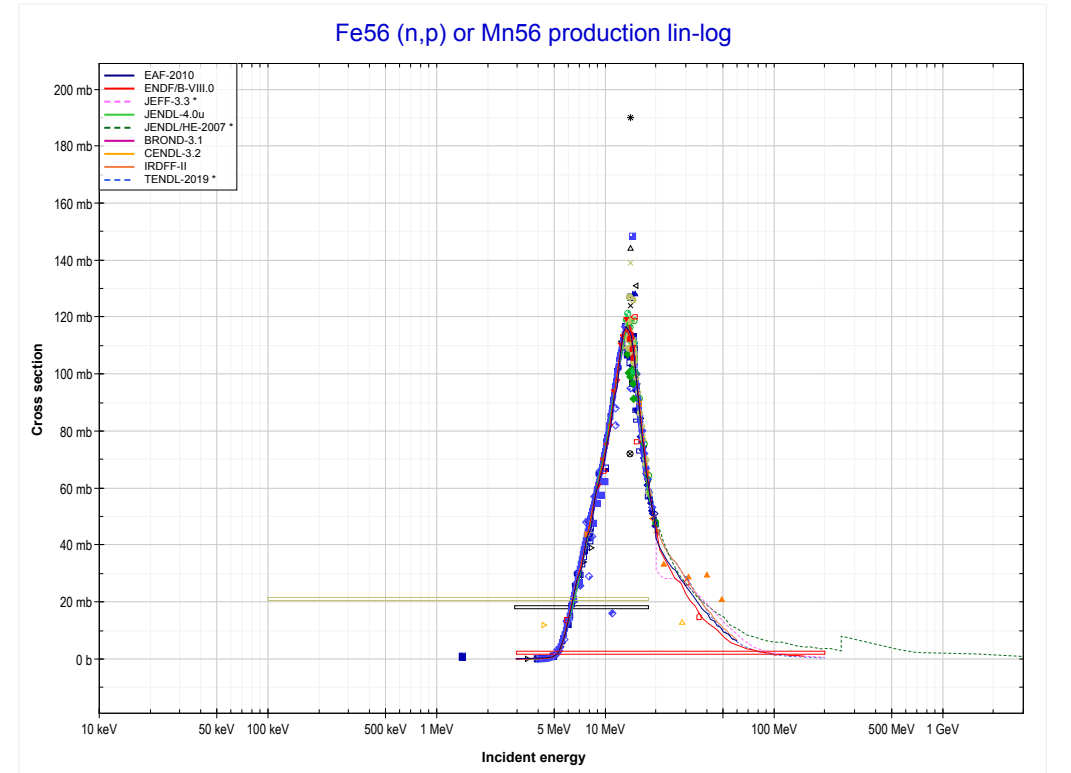
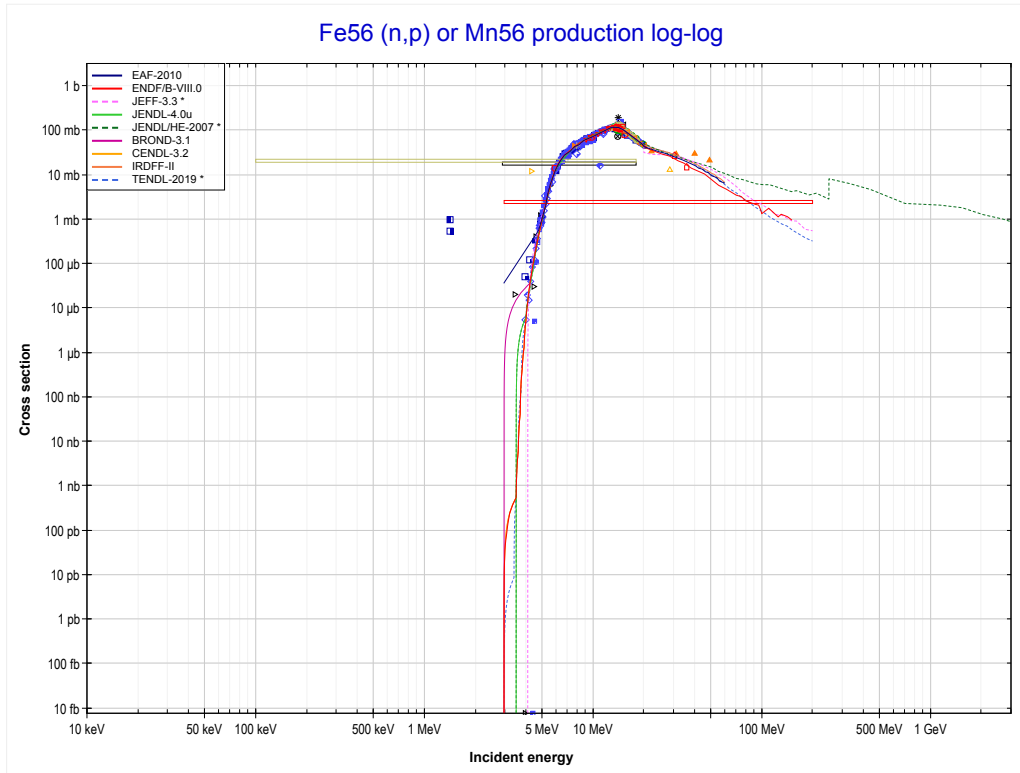
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,t)Mn54 | -11927.99 keV |
| Fe56(n,n+d)Mn54 | -18185.22 keV |
| Fe56(n,2n+p)Mn54 | -20409.79 keV |

| | | |
|------------------|---|----------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Fe57 production) | MT103 (n,p) >> |



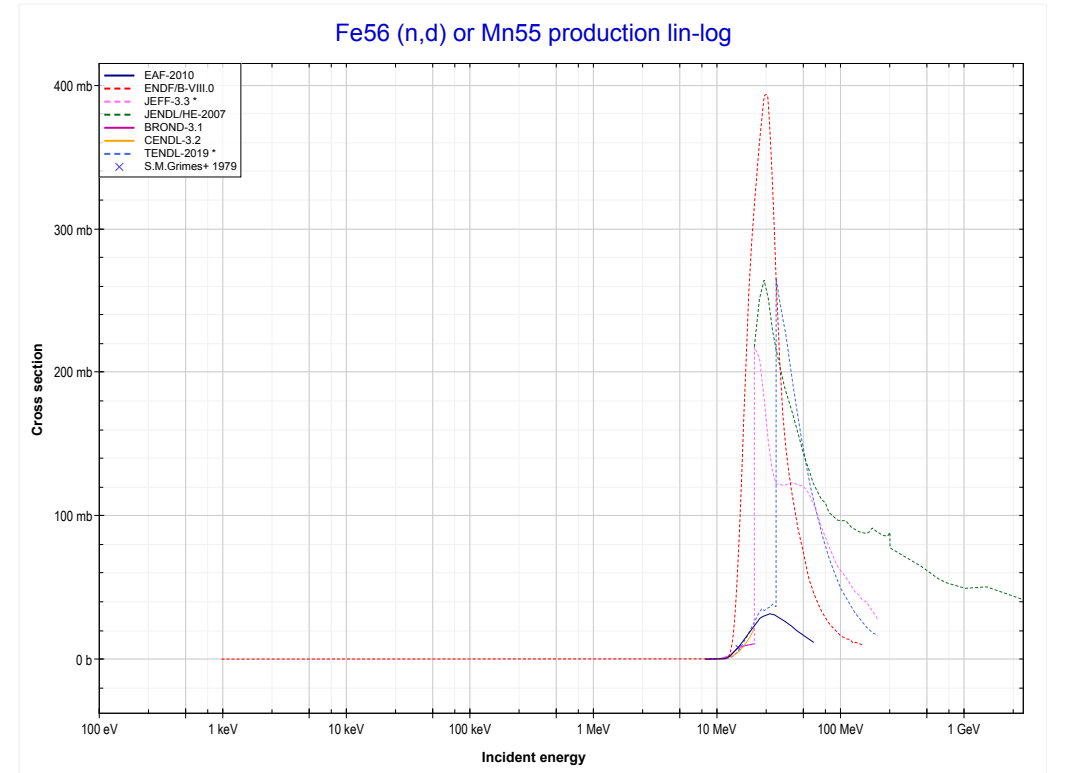
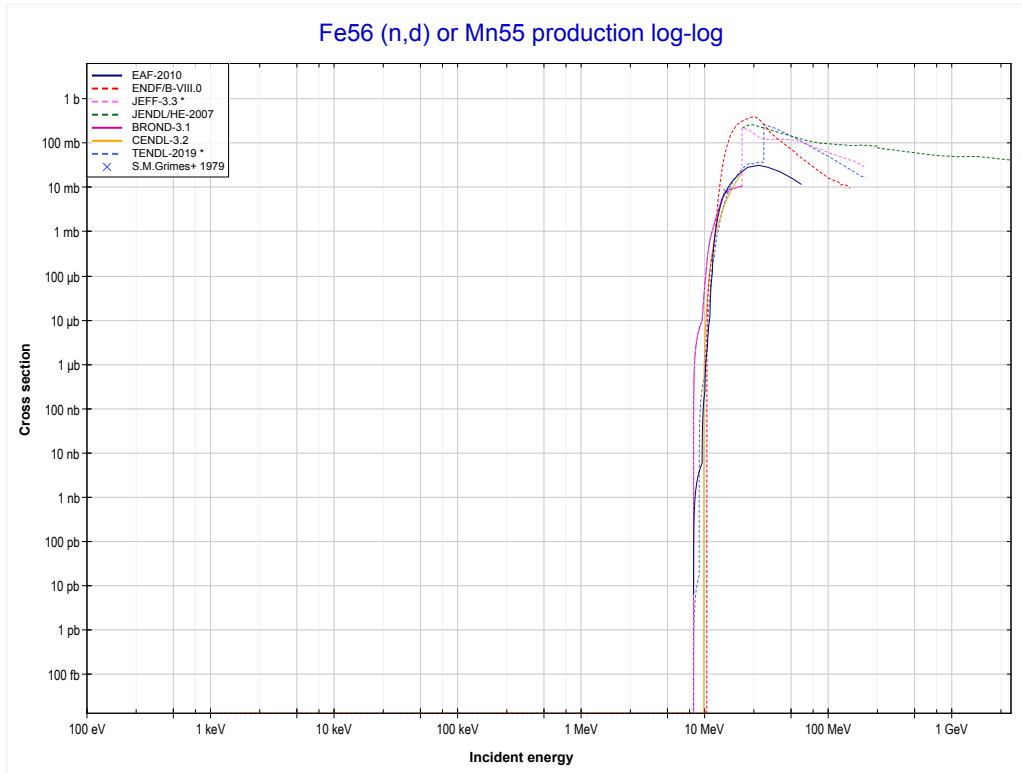
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.59119 b | 2.58925 b | 2.5887 b | 0.9998 | 1.32843 b | 0.0030269 b | 7.29998E-4 b |
| ENDF/B-VIII.0 | 2.60518 b | 2.60518 b | 2.6061 b | 1.00035 | 1.36347 b | 0.00287193 b | 7.90552E-4 b |
| JEFF-3.3 | 2.5863 b | 2.5863 b | 2.5872 b | 1.00035 | 1.32876 b | 0.00273144 b | 7.7119E-4 b |
| JENDL-4.0u | 2.59125 b | 2.59125 b | 2.5921 b | 1.00035 | 1.33154 b | 0.00343434 b | 8.00864E-4 b |
| JENDL/HE-2007 | 2.59046 b | 2.59046 b | 2.5906 b | 1.00004 | 1.32937 b | 0.00343412 b | 8.00864E-4 b |
| BROND-3.1 | 2.59125 b | 2.59125 b | 2.5921 b | 1.00035 | 1.33201 b | 0.00331177 b | 7.7119E-4 b |
| CENDL-3.2 | 2.60438 b | 2.60438 b | 2.6045 b | 1.00004 | 1.36778 b | 0.00301736 b | 7.551E-4 b |
| TENDL-2019 | 2.59046 b | 2.59046 b | 2.5906 b | 1.00004 | 1.32937 b | 0.00281298 b | 0.00129557 b |

| | | |
|-------------------------|---|----------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mn56 production) | MT104 (n,d) >> |



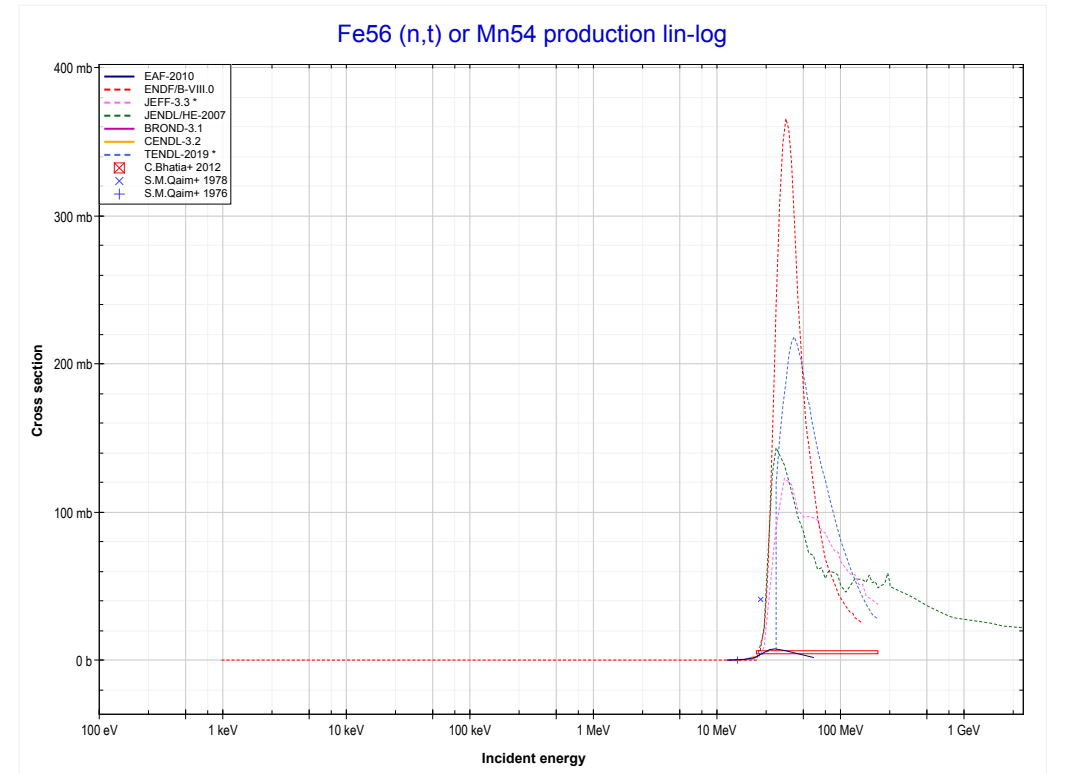
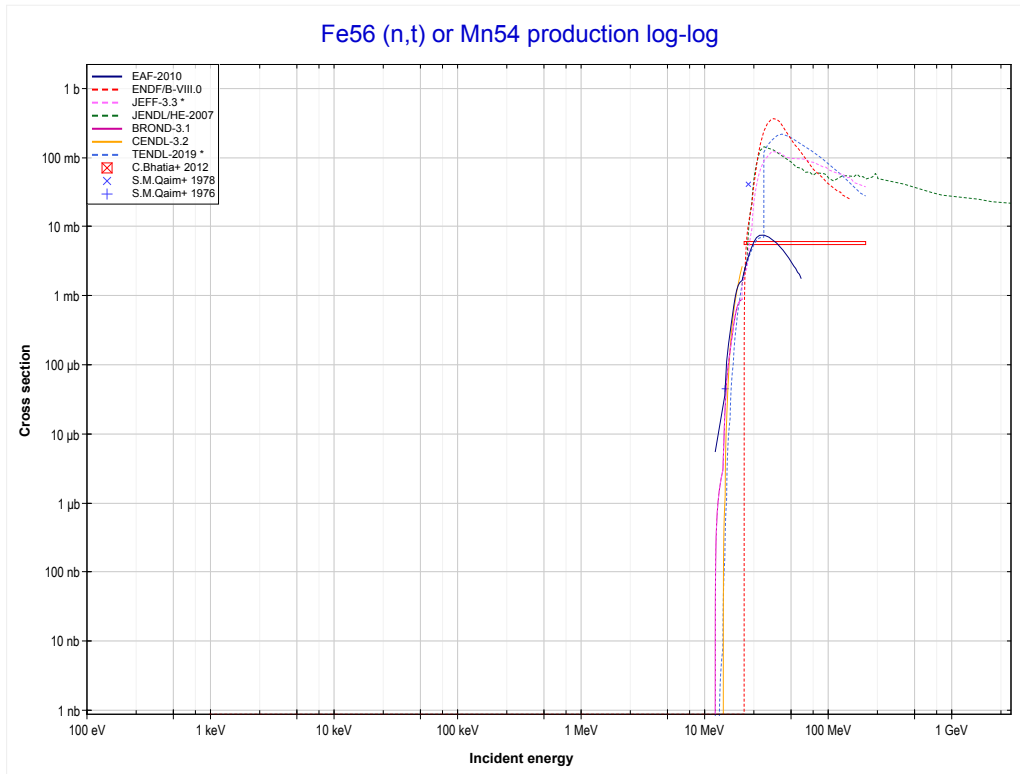
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00127986 b | 0.114536 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012889 b | 0.114054 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126455 b | 0.114542 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00124013 b | 0.114 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00124013 b | 0.114 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126187 b | 0.11454 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128863 b | 0.114048 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128846 b | 0.114048 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128941 b | 0.114039 b |

| | | |
|----------------|---|----------------|
| << 26-Fe-54 | 26-Fe-56 | 26-Fe-57 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Mn55 production) | MT105 (n,t) >> |



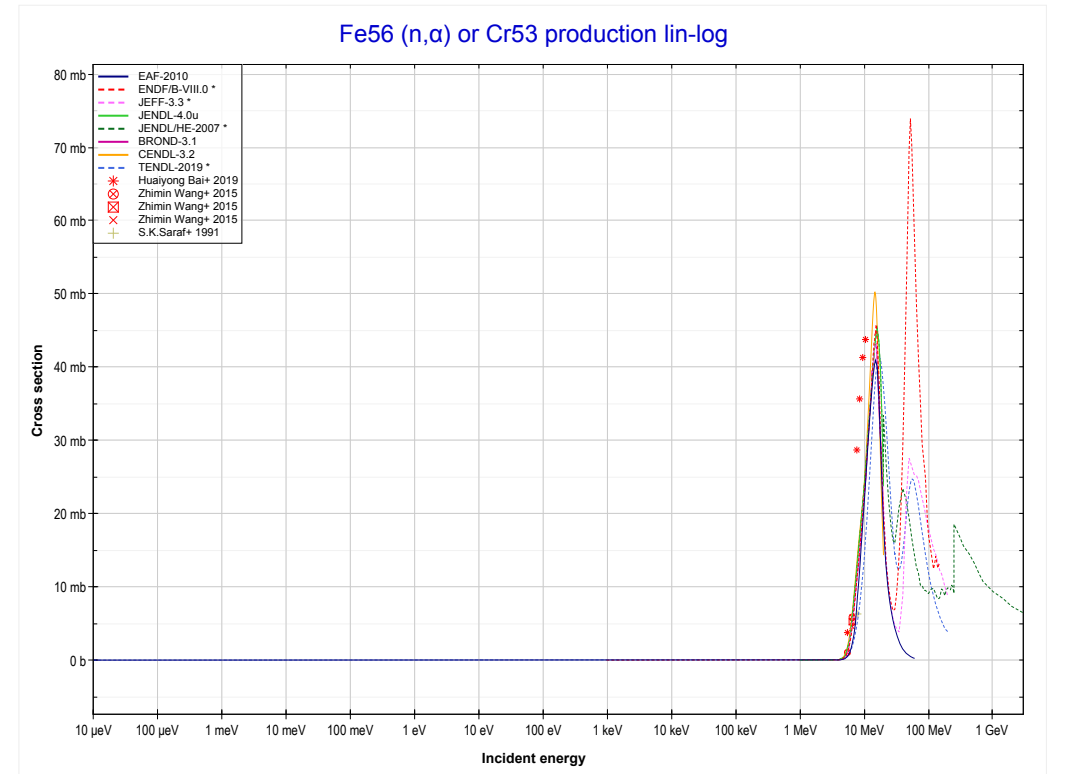
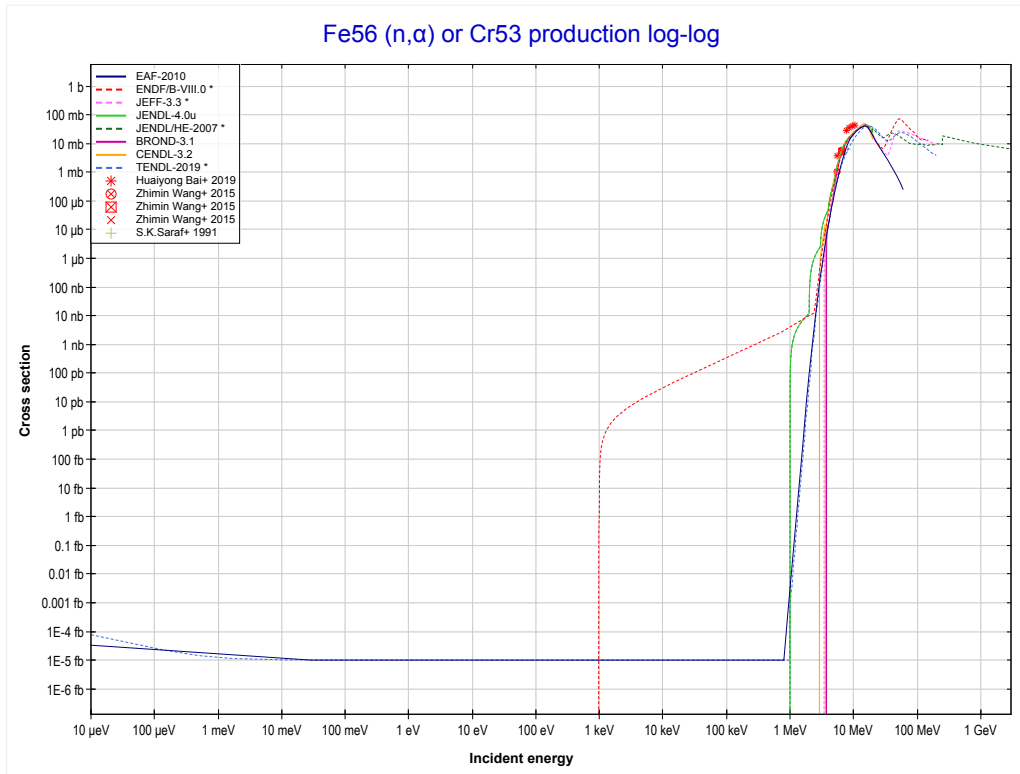
| Reaction | Q-Value |
|-----------------|---------------|
| Fe56(n,d)Mn55 | -7959.10 keV |
| Fe56(n,n+p)Mn55 | -10183.67 keV |

| | | |
|----------------|---|-------------------------|
| << 26-Fe-54 | 26-Fe-56 | 27-Co-59 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Mn54 production) | MT107 (n, α) >> |



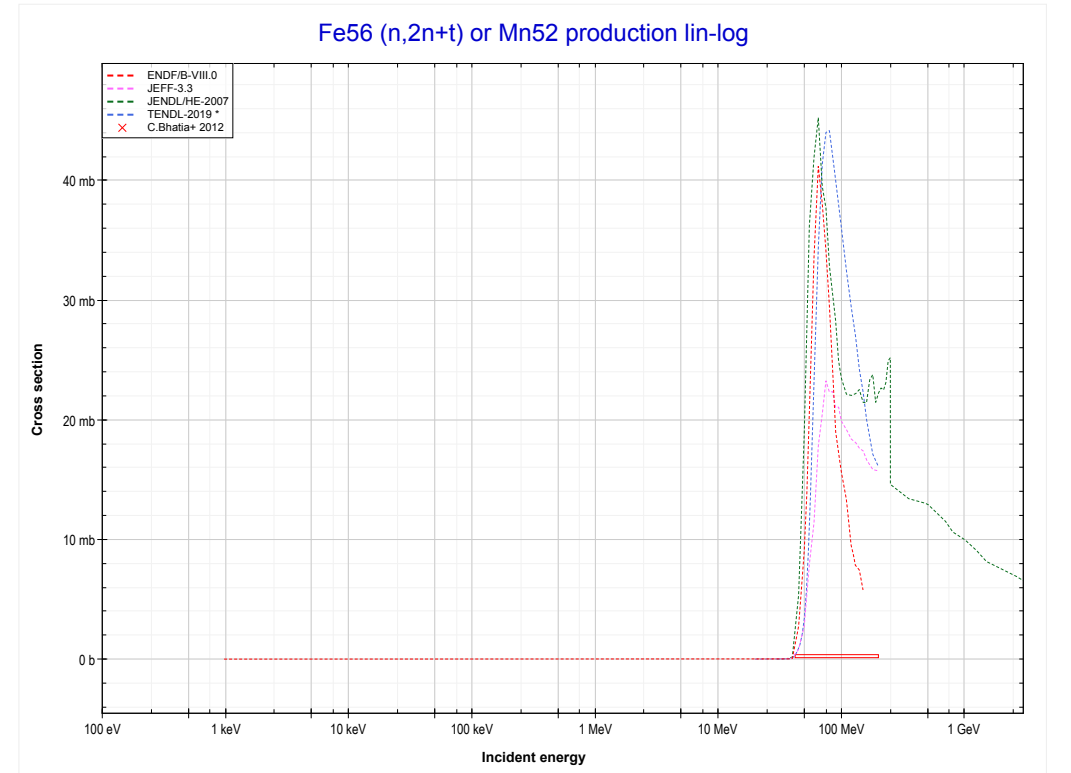
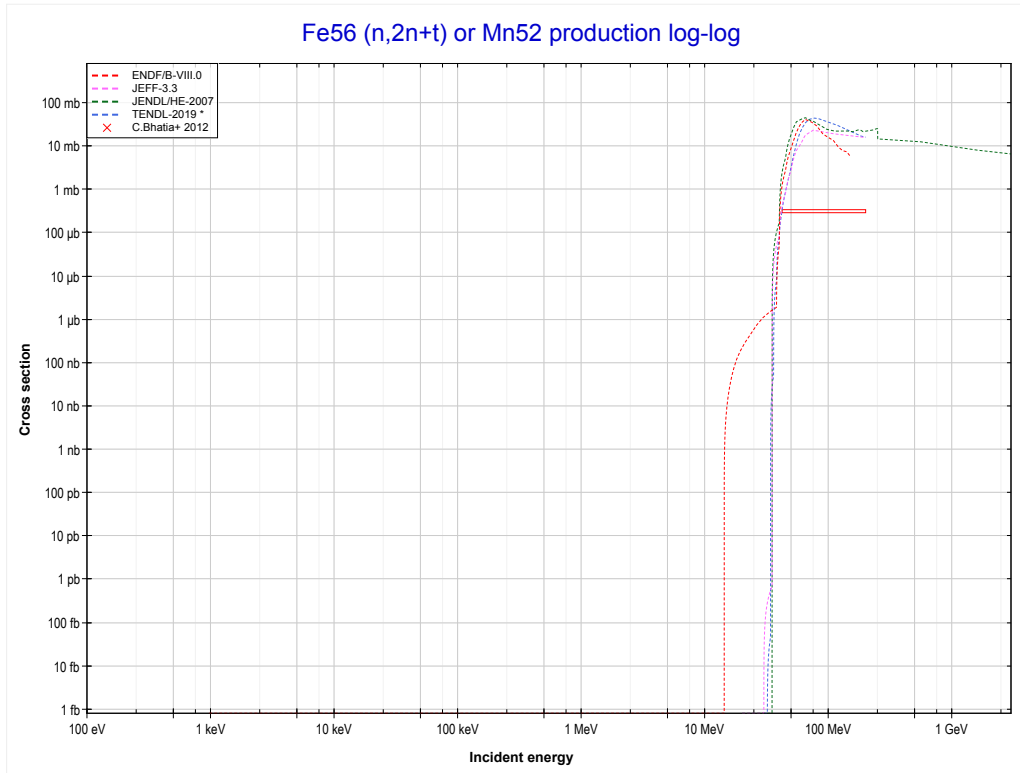
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,t)Mn54 | -11927.99 keV |
| Fe56(n,n+d)Mn54 | -18185.22 keV |
| Fe56(n,2n+p)Mn54 | -20409.79 keV |

| | | |
|----------------|---|-------------------|
| << 26-Fe-55 | 26-Fe-56 | 26-Fe-57 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Cr53 production) | MT154 (n,2n+t) >> |



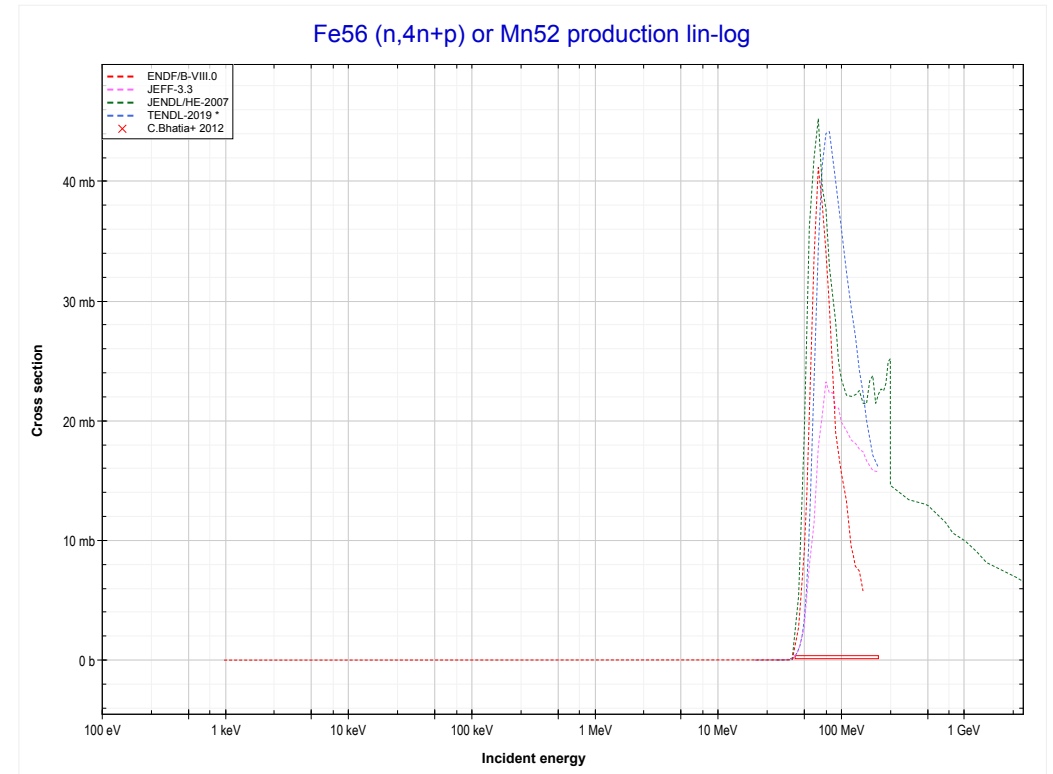
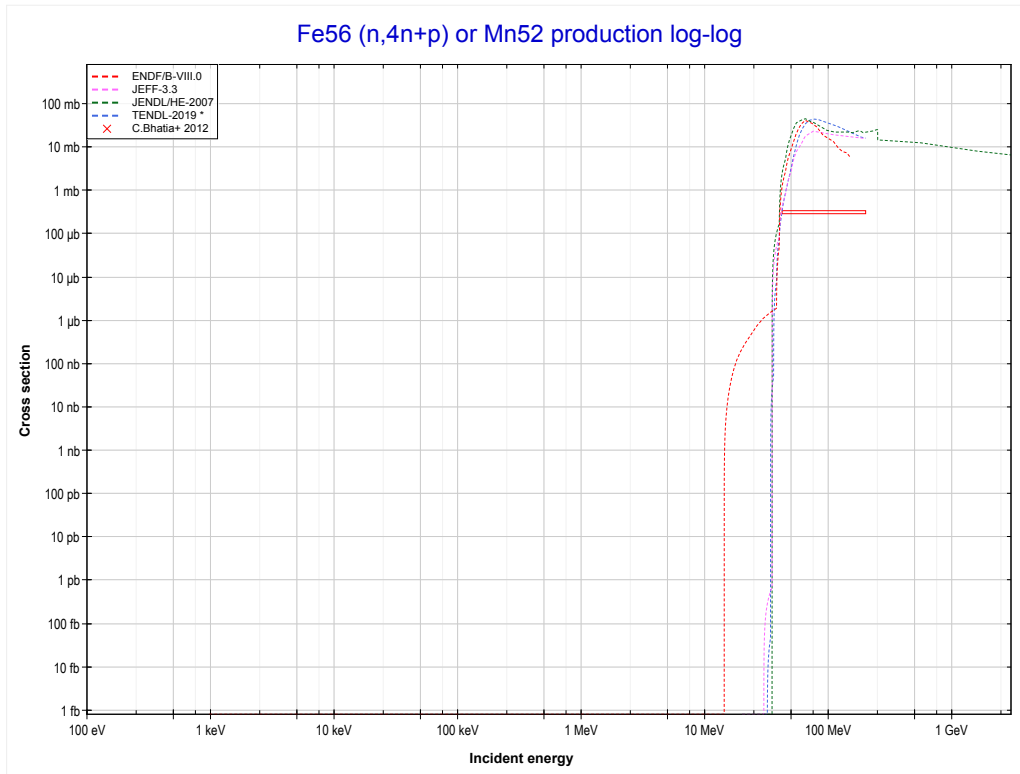
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1594E-20 b | 1.16023 | 1.22117E-19 b | 2.35376E-4 b | 0.0392579 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.28764E-10 b | 2.90941E-4 b | 0.00321601 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.33646E-4 b | 0.0405096 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.90547E-4 b | 0.0409 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.90547E-4 b | 0.0409 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.33265E-4 b | 0.0405095 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.23702E-4 b | 0.0485571 b |
| TENDL-2019 | 1.009E-20 b | 1.009E-20 b | 1.1386E-20 b | 1.12842 | 1.22086E-19 b | 1.68408E-4 b | 0.0344158 b |

| | | |
|-------------------------|--|-------------------|
| << 6-C-12 | 26-Fe-56 | |
| << MT107 (n, α) | MT154 (n,2n+t) or MT5 (Mn52 production) | MT156 (n,4n+p) >> |



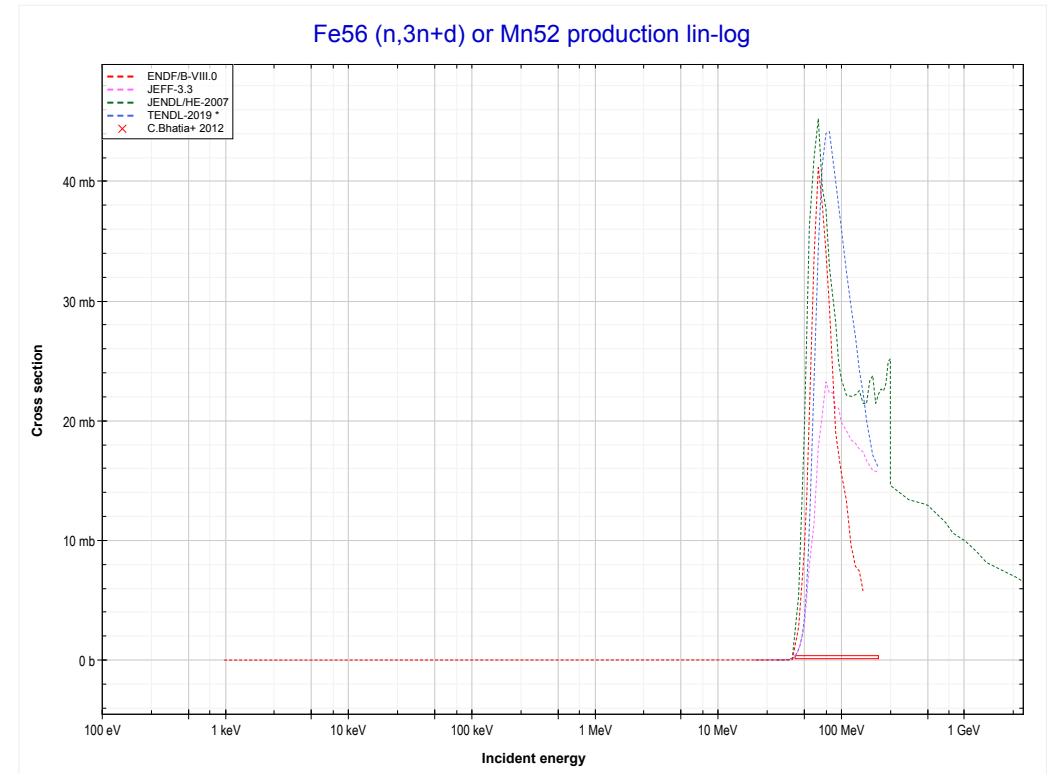
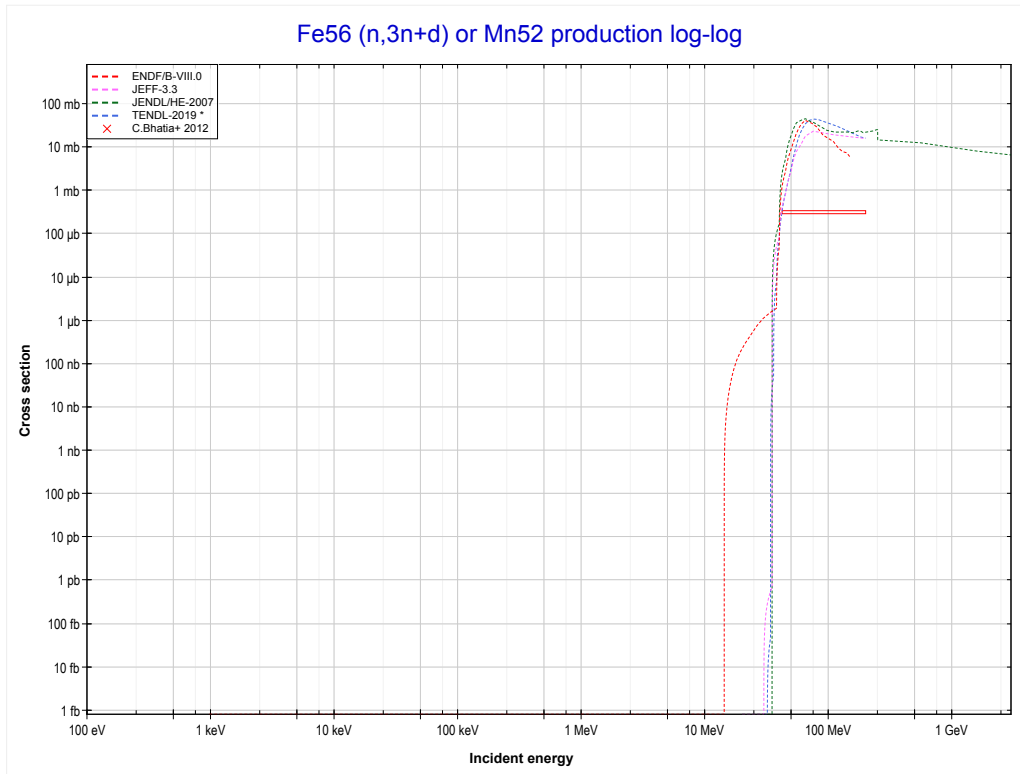
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,2n+t)Mn52 | -32920.93 keV |
| Fe56(n,3n+d)Mn52 | -39178.16 keV |
| Fe56(n,4n+p)Mn52 | -41402.72 keV |

| | | |
|-------------------|--|-------------------|
| << 6-C-12 | 26-Fe-56 | |
| << MT154 (n,2n+t) | MT156 (n,4n+p) or MT5 (Mn52 production) | MT157 (n,3n+d) >> |



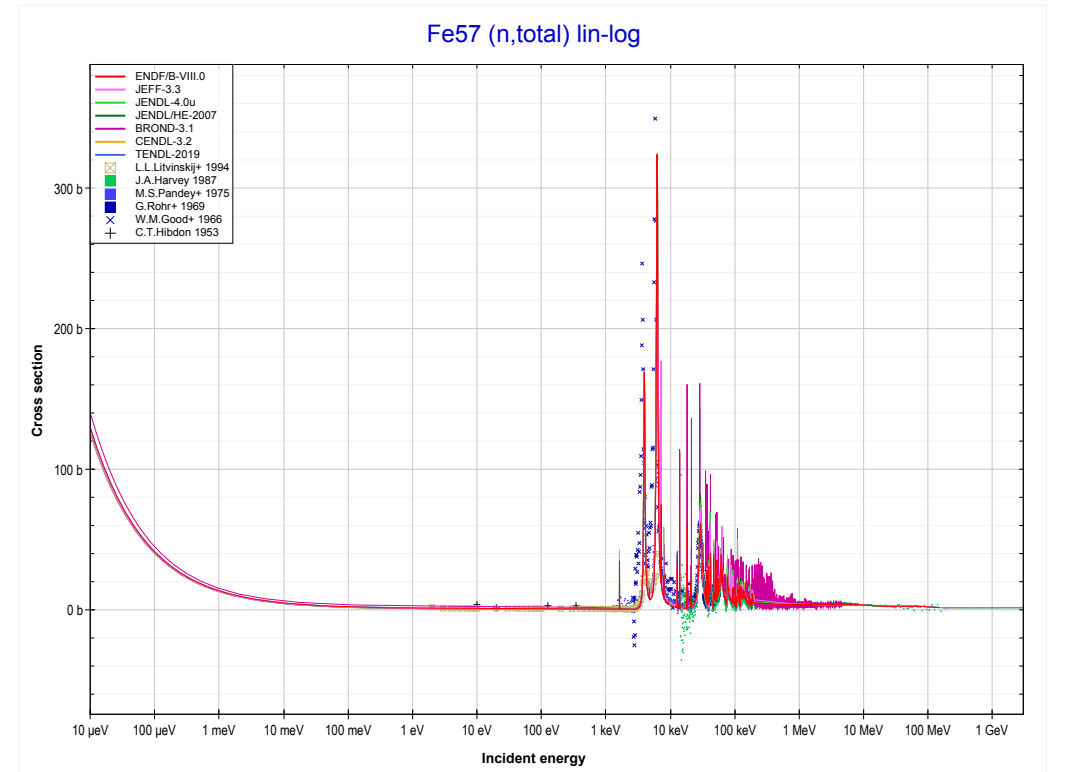
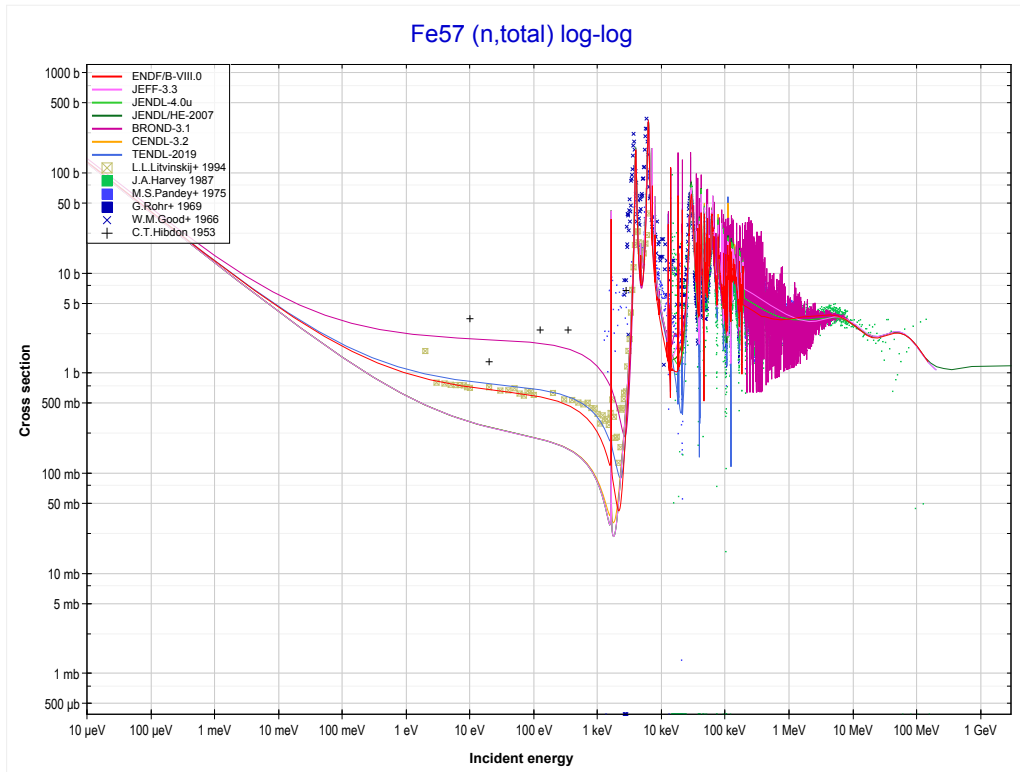
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,2n+t)Mn52 | -32920.93 keV |
| Fe56(n,3n+d)Mn52 | -39178.16 keV |
| Fe56(n,4n+p)Mn52 | -41402.72 keV |

| | | |
|-------------------|--|---------------------------|
| << 6-C-12 | 26-Fe-56 | |
| << MT156 (n,4n+p) | MT157 (n,3n+d) or MT5 (Mn52 production) | 26-Fe-57 MT1 (n,total) >> |



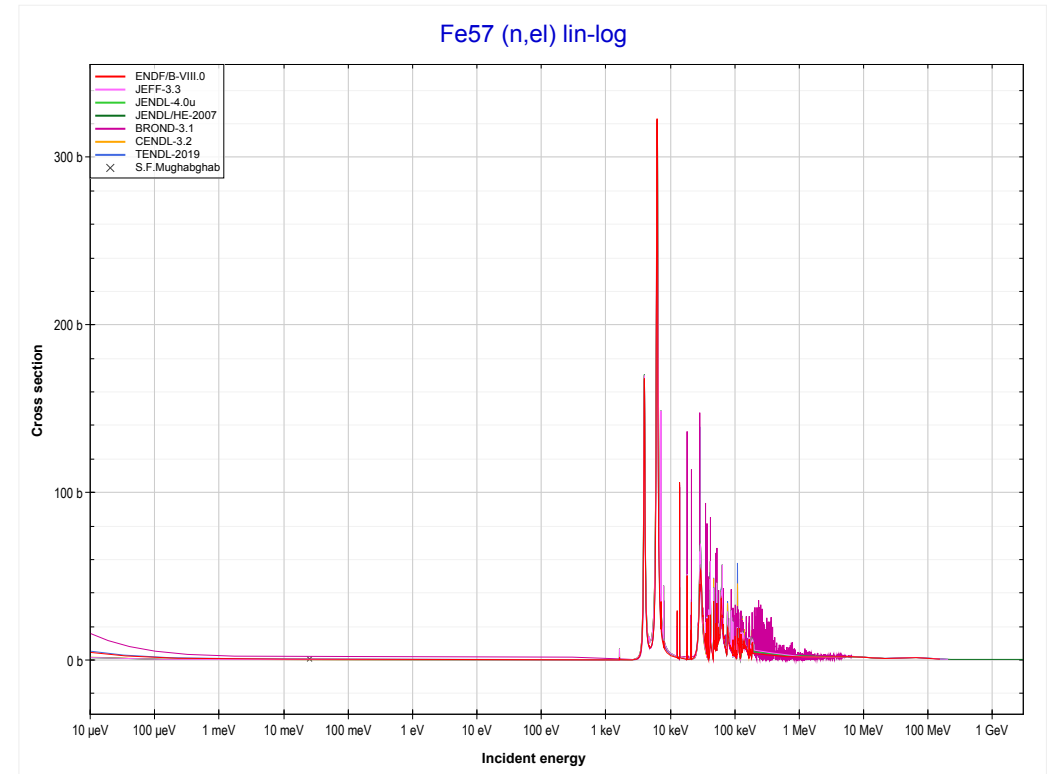
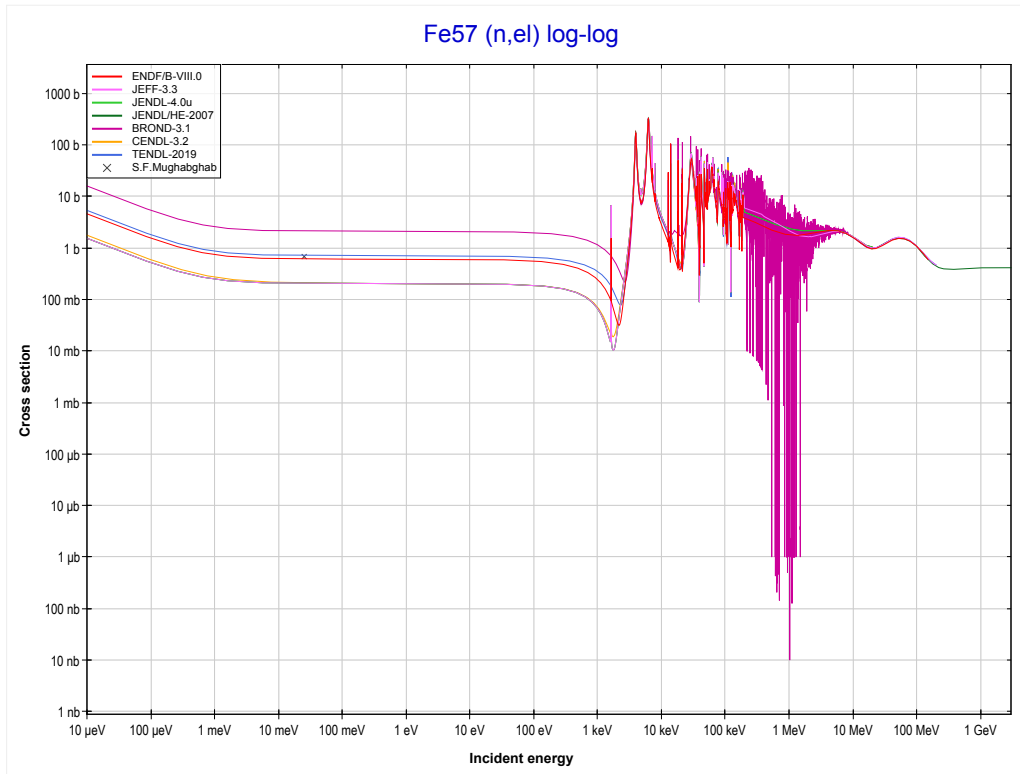
| Reaction | Q-Value |
|------------------|---------------|
| Fe56(n,2n+t)Mn52 | -32920.93 keV |
| Fe56(n,3n+d)Mn52 | -39178.16 keV |
| Fe56(n,4n+p)Mn52 | -41402.72 keV |

| | | |
|----------------------------|----------------------|--------------------|
| << 26-Fe-56 | 26-Fe-57 | 26-Fe-58 >> |
| << 26-Fe-56 MT157 (n,3n+d) | MT1 (n,total) | MT2 (n,elastic) >> |



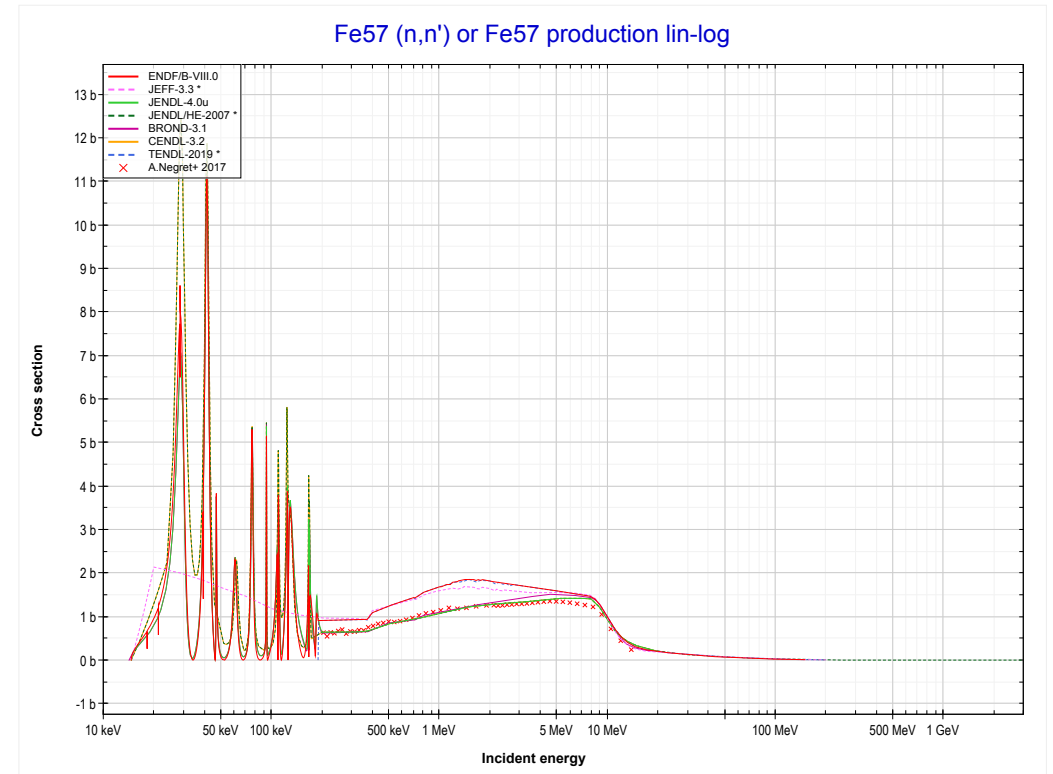
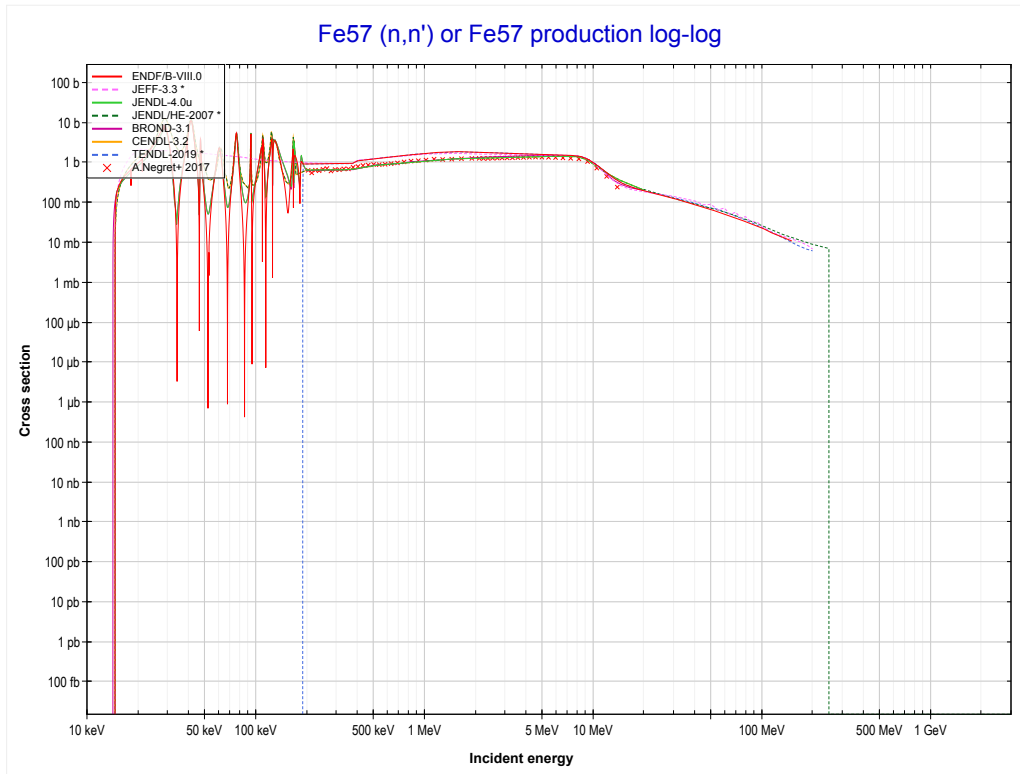
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.09101 b | 3.09101 b | 3.1701 b | 1.02557 | 73.3661 b | 3.86567 b | 2.57808 b |
| JEFF-3.3 | 2.66707 b | 2.66707 b | 2.6941 b | 1.01014 | 82.9816 b | 4.0813 b | 2.6992 b |
| JENDL-4.0u | 2.66707 b | 2.66707 b | 2.6941 b | 1.01014 | 82.8463 b | 3.89918 b | 2.61117 b |
| JENDL/HE-2007 | 2.67218 b | 2.67218 b | 2.6981 b | 1.00969 | 84.7135 b | 3.90992 b | 2.61117 b |
| BROND-3.1 | 4.57949 b | 4.57949 b | 4.8515 b | 1.05941 | 84.7725 b | 3.43197 b | 2.60781 b |
| CENDL-3.2 | 2.67218 b | 2.67218 b | 2.6981 b | 1.00969 | 83.5414 b | 3.95242 b | 2.61125 b |
| TENDL-2019 | 3.18152 b | 3.18152 b | 3.2728 b | 1.0287 | 76.0527 b | 3.93428 b | 2.62693 b |

| | | |
|------------------|------------------------|---------------|
| << 26-Fe-56 | 26-Fe-57 | 27-Co-59 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



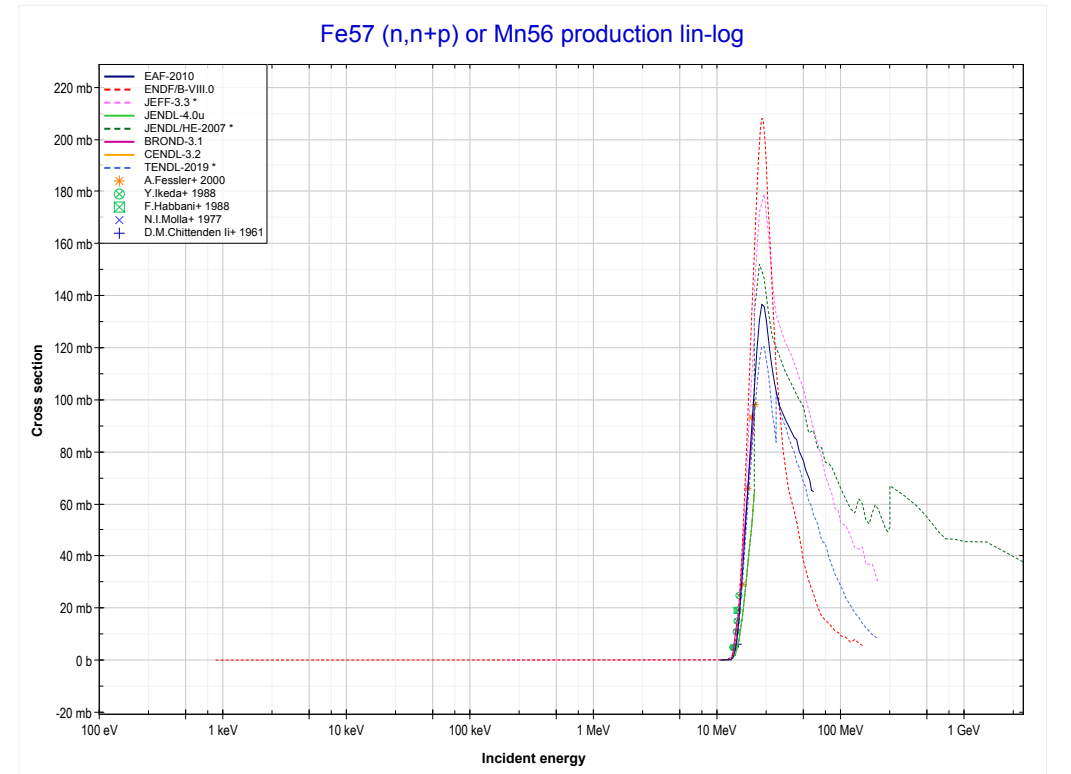
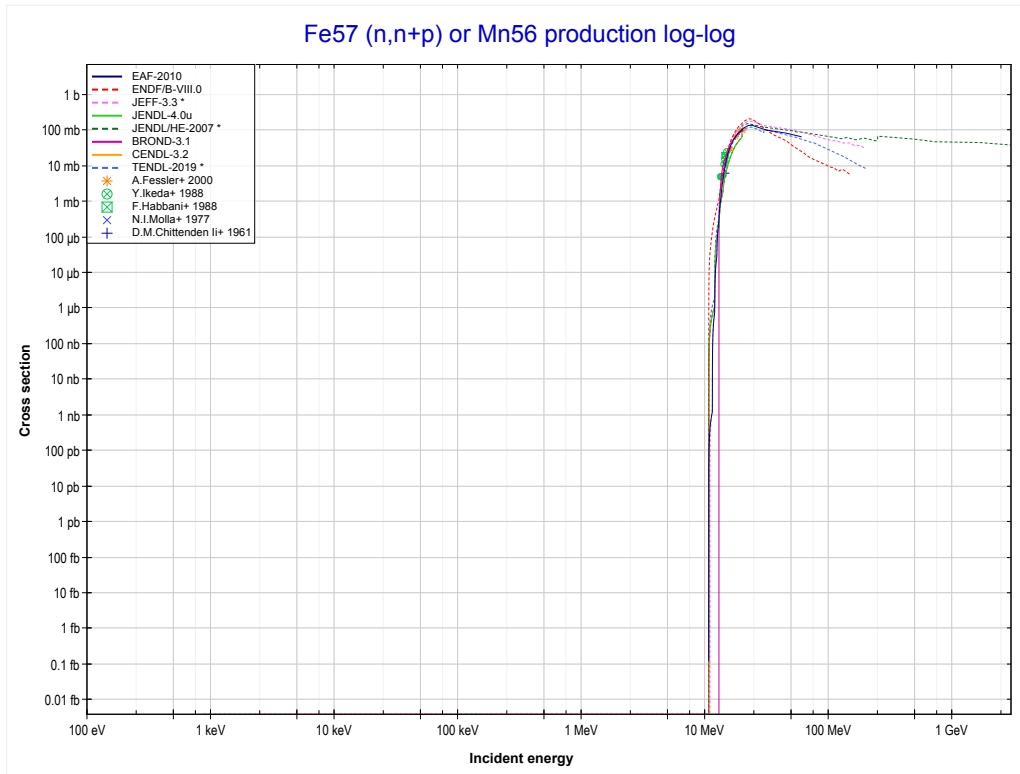
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.609155 b | 0.609155 b | 0.68732 b | 1.12832 | 68.7079 b | 2.26167 b | 1.17588 b |
| JEFF-3.3 | 0.203919 b | 0.203919 b | 0.23009 b | 1.12832 | 78.4654 b | 2.57437 b | 1.25805 b |
| JENDL-4.0u | 0.203919 b | 0.203919 b | 0.23009 b | 1.12832 | 78.4638 b | 2.73105 b | 1.24708 b |
| JENDL/HE-2007 | 0.203919 b | 0.203919 b | 0.2301 b | 1.12839 | 78.4297 b | 2.73096 b | 1.24708 b |
| BROND-3.1 | 2.11324 b | 2.11324 b | 2.3844 b | 1.12833 | 80.3203 b | 2.22337 b | 1.21095 b |
| CENDL-3.2 | 0.20975 b | 0.20975 b | 0.2355 b | 1.12275 | 77.297 b | 2.77461 b | 1.24756 b |
| TENDL-2019 | 0.710059 b | 0.710059 b | 0.80122 b | 1.12839 | 74.5399 b | 2.38007 b | 1.17588 b |

| | | |
|--------------------|--|-----------------|
| << 26-Fe-56 | 26-Fe-57 | 27-Co-59 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Fe57 production) | MT28 (n,n+p) >> |



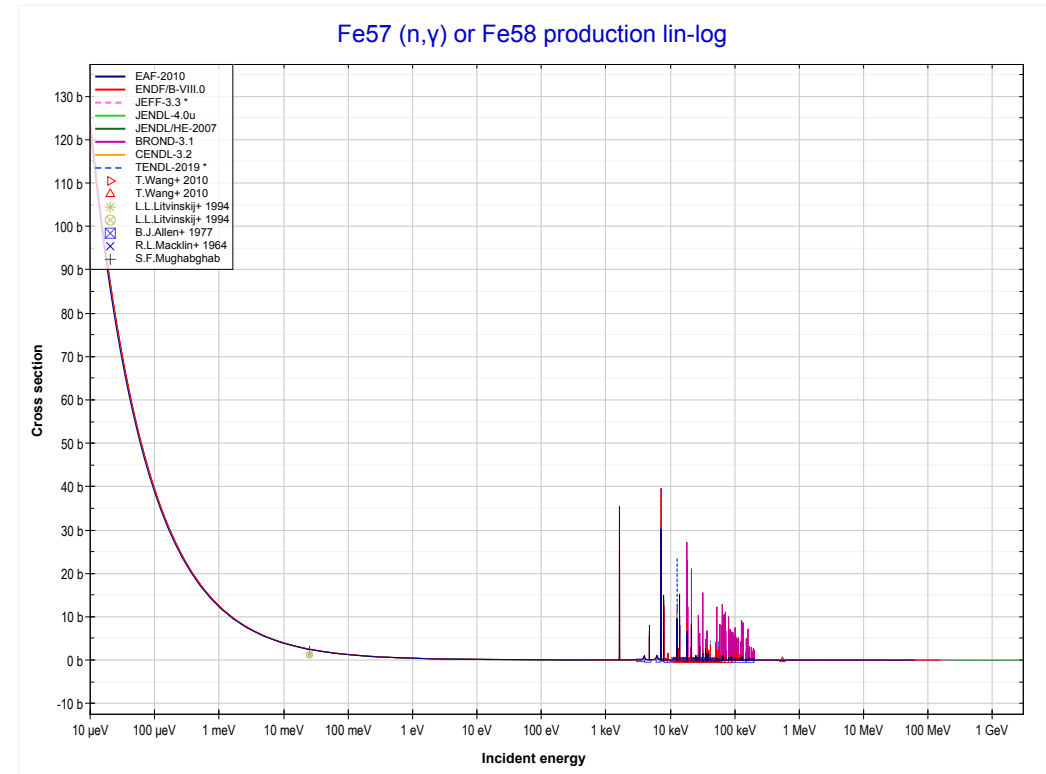
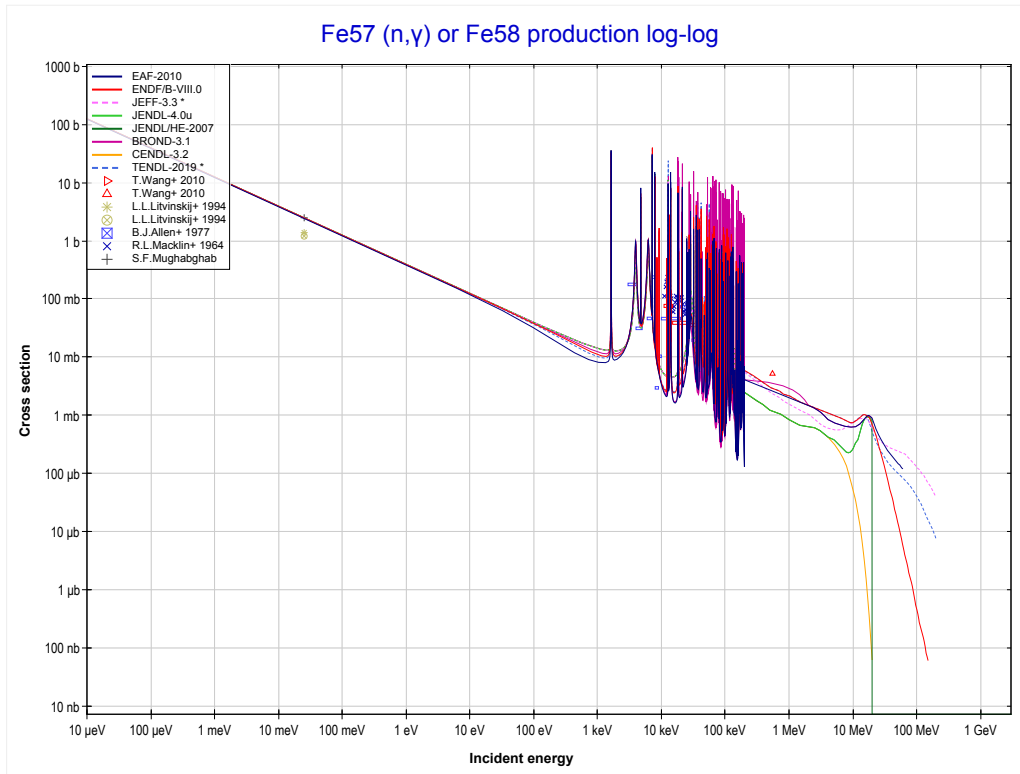
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.16274 b | 1.5978 b | 0.344568 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.09688 b | 1.50133 b | 0.29065 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 2.96321 b | 1.16353 b | 0.377467 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 4.8622 b | 1.1728 b | 0.377467 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.96585 b | 1.20223 b | 0.305699 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 4.86497 b | 1.17312 b | 0.377308 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5481 b | 0.353247 b |

| | | |
|---------------|--|-------------------------|
| << 26-Fe-56 | 26-Fe-57 | 26-Fe-58 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Mn56 production) | MT102 (n, γ) >> |



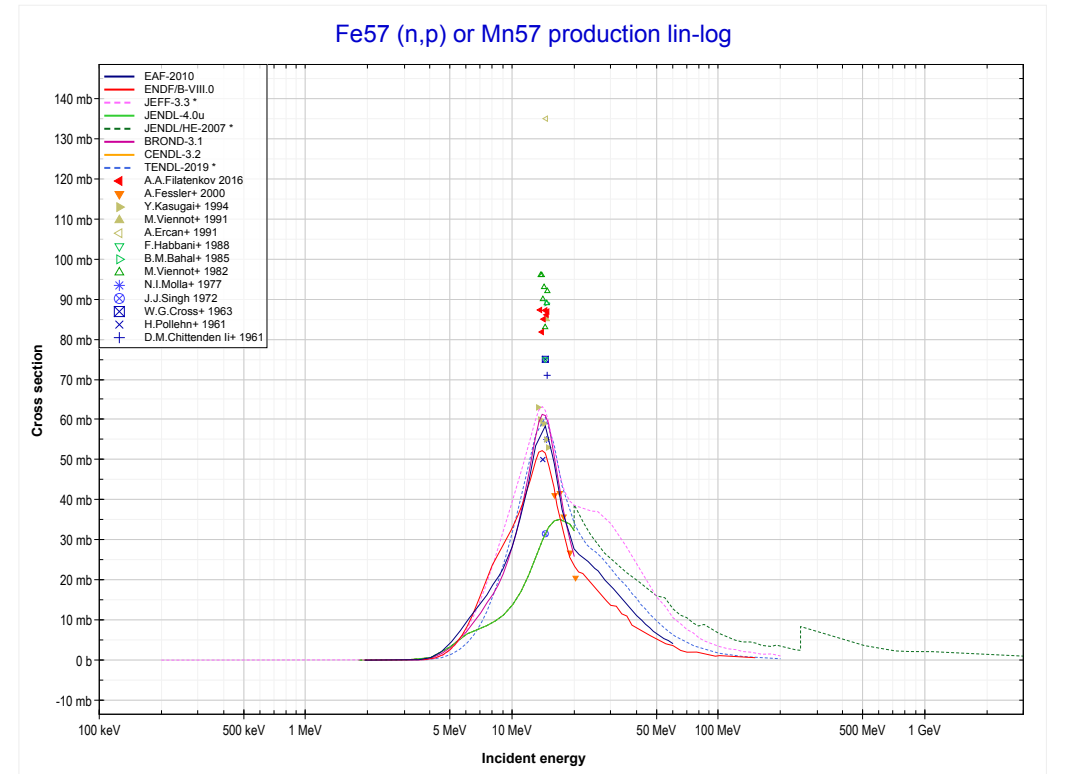
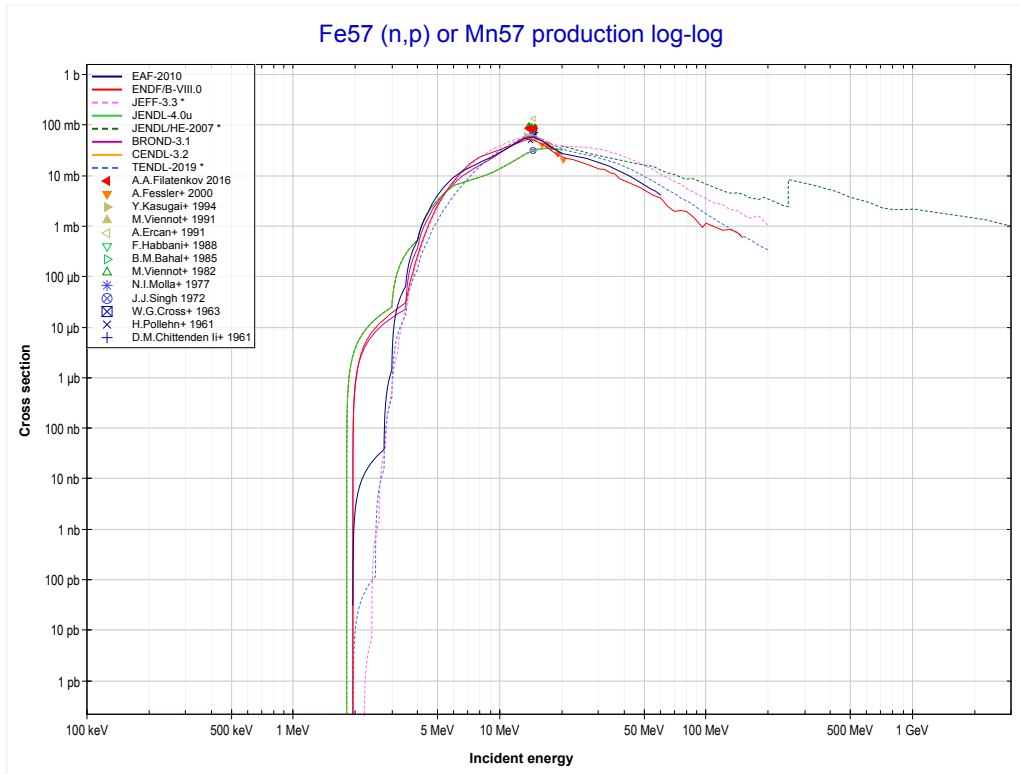
| Reaction | Q-Value |
|-----------------|---------------|
| Fe57(n,d)Mn56 | -8334.70 keV |
| Fe57(n,n+p)Mn56 | -10559.27 keV |

| | | |
|-----------------|---|----------------|
| << 26-Fe-56 | 26-Fe-57 | 26-Fe-58 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Fe58 production) | MT103 (n,p) >> |



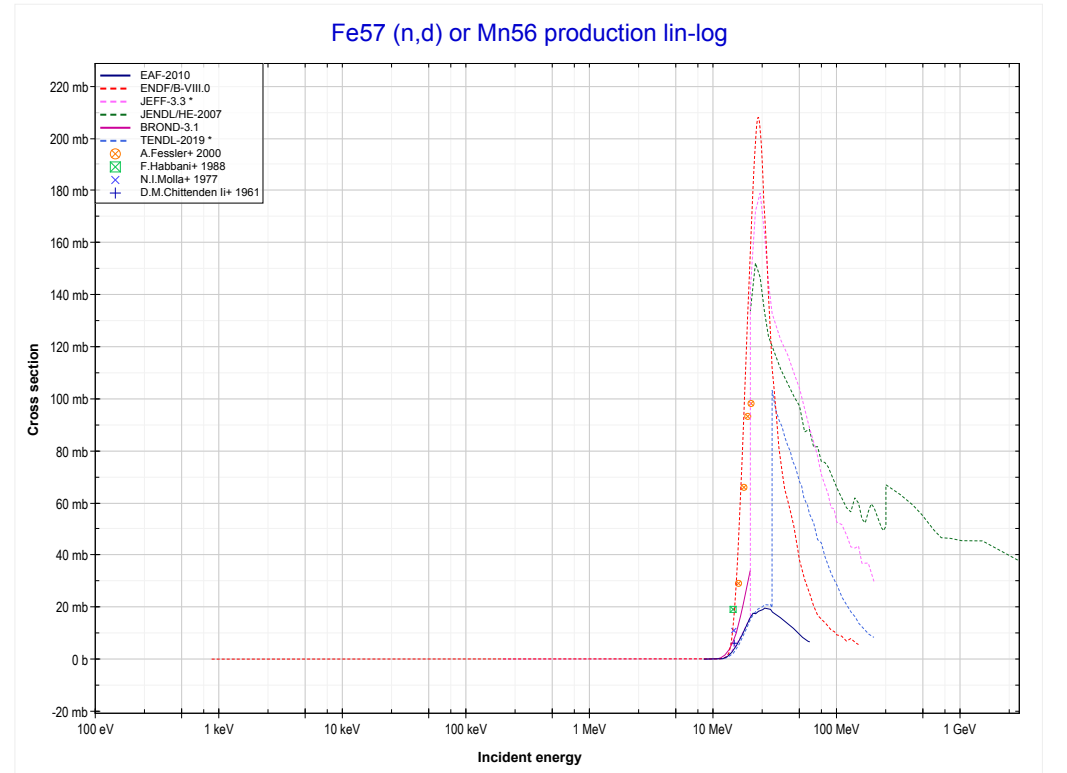
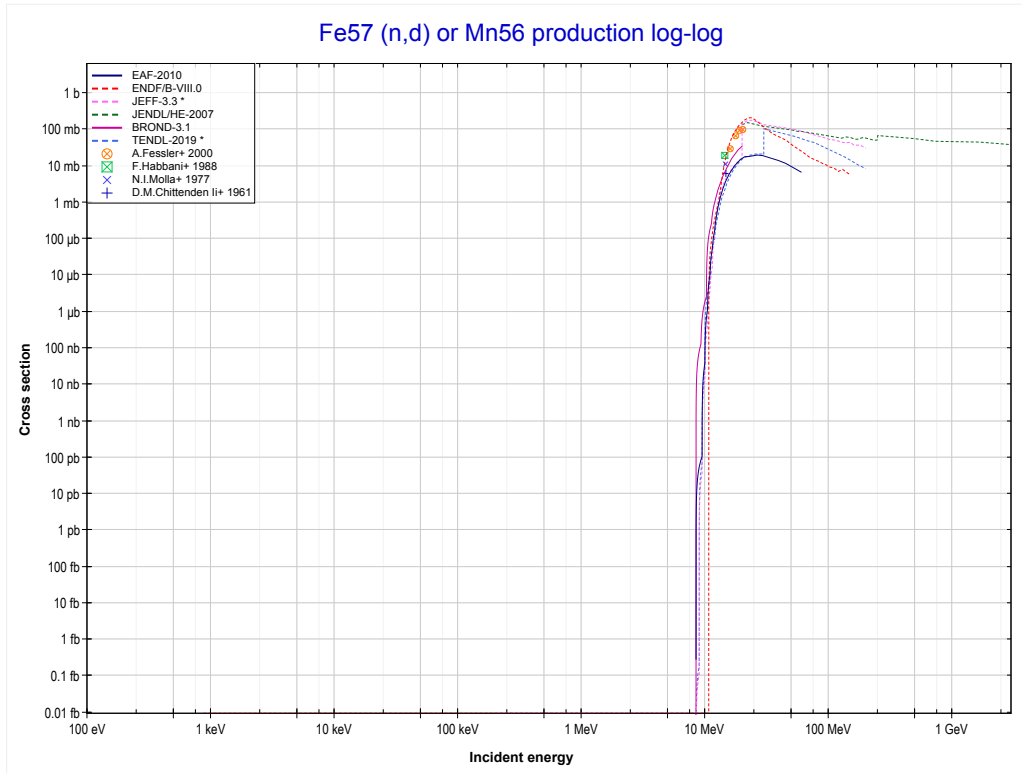
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.42852 b | 2.4267 b | 2.4259 b | 0.99969 | 1.43728 b | 0.00209043 b | 7.95001E-4 b |
| ENDF/B-VIII.0 | 2.48185 b | 2.48185 b | 2.4827 b | 1.00035 | 1.49546 b | 0.00242254 b | 9.93767E-4 b |
| JEFF-3.3 | 2.46315 b | 2.46315 b | 2.464 b | 1.00036 | 1.41934 b | 0.00175812 b | 8.92962E-4 b |
| JENDL-4.0u | 2.46315 b | 2.46315 b | 2.464 b | 1.00036 | 1.4193 b | 0.00115749 b | 7.08085E-4 b |
| JENDL/HE-2007 | 2.4624 b | 2.4624 b | 2.4626 b | 1.00006 | 1.41711 b | 0.00115726 b | 7.08085E-4 b |
| BROND-3.1 | 2.46625 b | 2.46625 b | 2.4671 b | 1.00035 | 1.48641 b | 0.00253966 b | 7.95E-4 b |
| CENDL-3.2 | 2.4624 b | 2.4624 b | 2.4626 b | 1.00006 | 1.41745 b | 0.00115124 b | 6.65929E-6 b |
| TENDL-2019 | 2.47146 b | 2.47146 b | 2.4716 b | 1.00005 | 1.5123 b | 0.00239212 b | 0.00100046 b |

| | | |
|-------------------------|---|----------------|
| << 26-Fe-56 | 26-Fe-57 | 26-Fe-58 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mn57 production) | MT104 (n,d) >> |



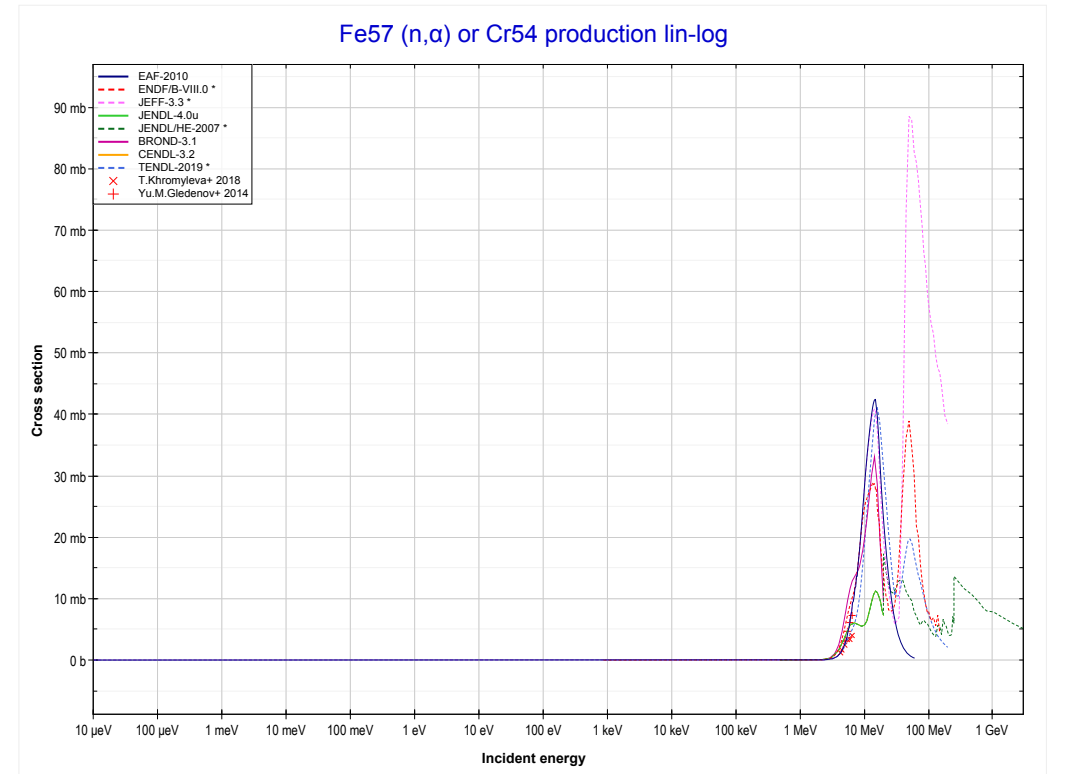
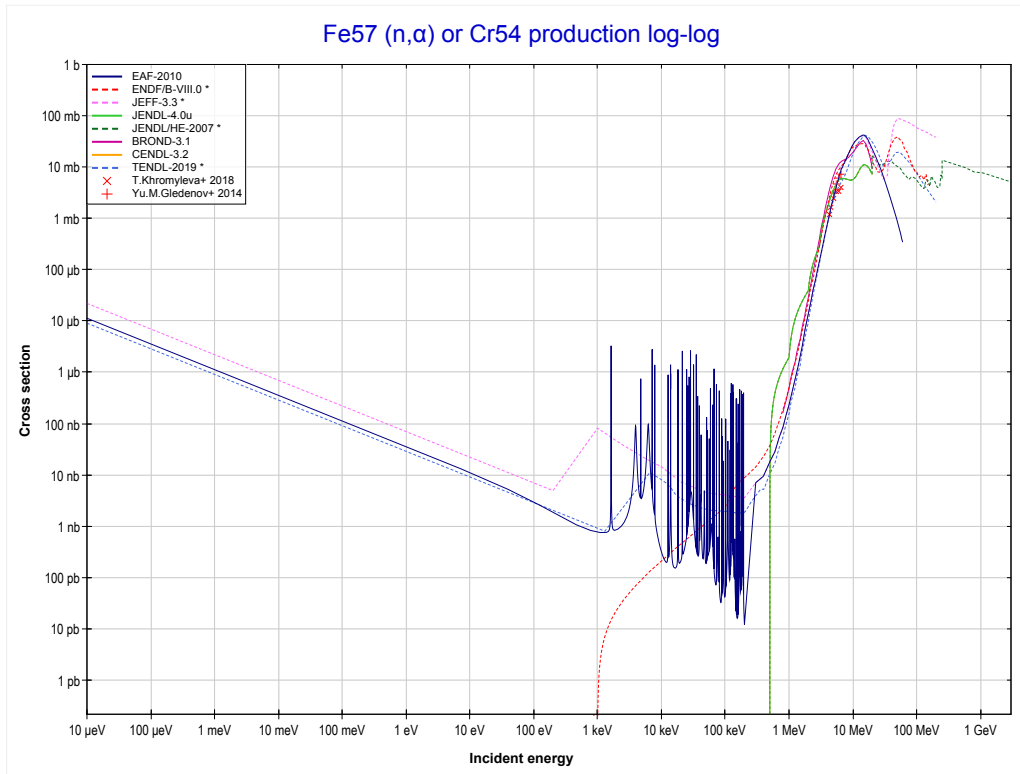
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.11814E-4 b | 0.0567167 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.66842E-4 b | 0.0522377 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.63939E-4 b | 0.0632566 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.36188E-4 b | 0.0297367 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36188E-4 b | 0.0297367 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.70462E-4 b | 0.061264 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36274E-4 b | 0.0297297 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.9528E-4 b | 0.0590855 b |

| | | |
|----------------|---|-------------------------|
| << 26-Fe-56 | 26-Fe-57 | 28-Ni-58 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Mn56 production) | MT107 (n, α) >> |



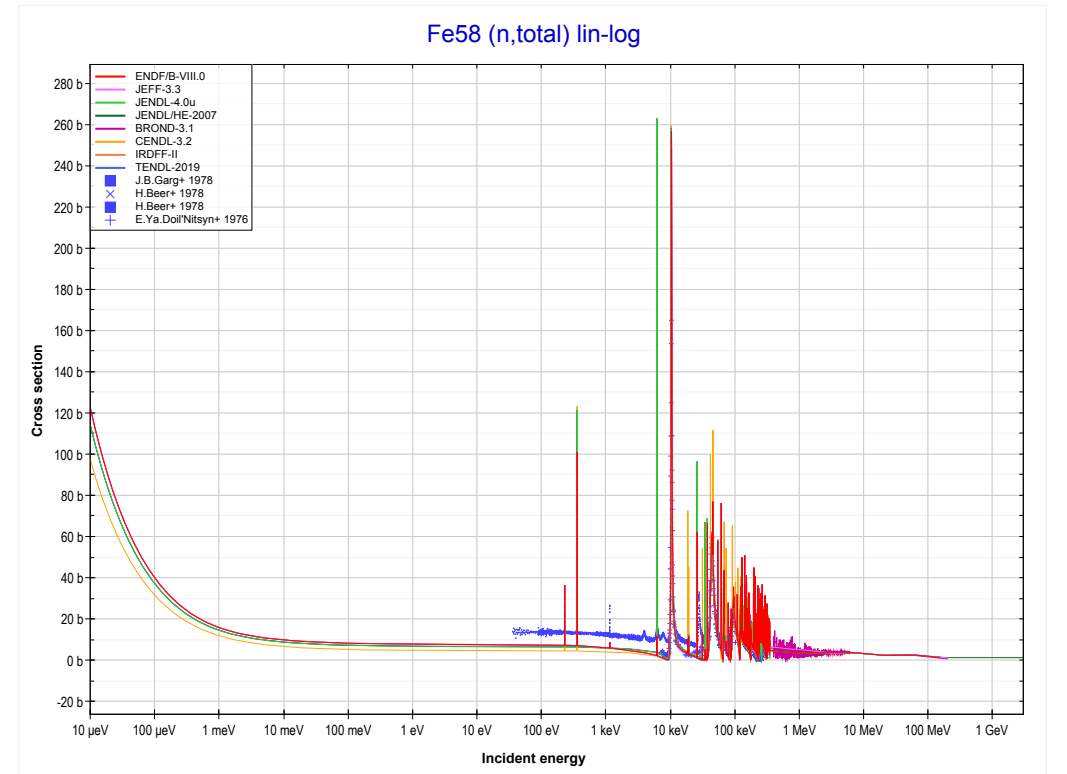
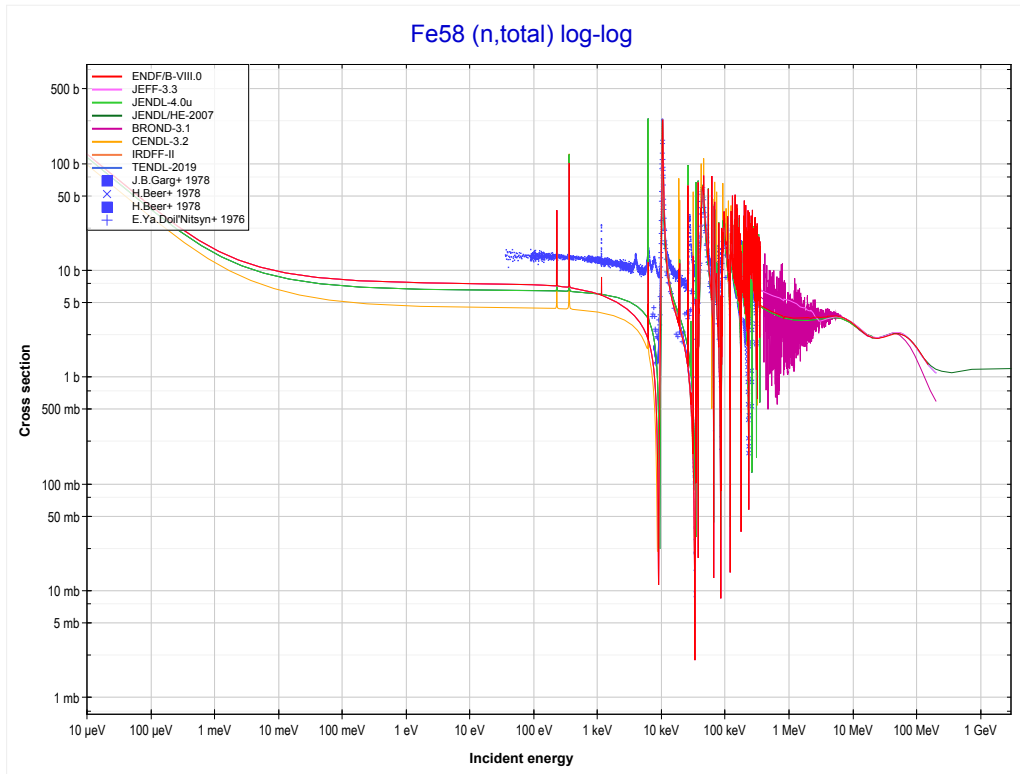
| Reaction | Q-Value |
|-----------------|---------------|
| Fe57(n,d)Mn56 | -8334.70 keV |
| Fe57(n,n+p)Mn56 | -10559.27 keV |

| | | |
|----------------|---|---------------------------|
| << 26-Fe-56 | 26-Fe-57 | 26-Fe-58 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Cr54 production) | 26-Fe-58 MT1 (n,total) >> |



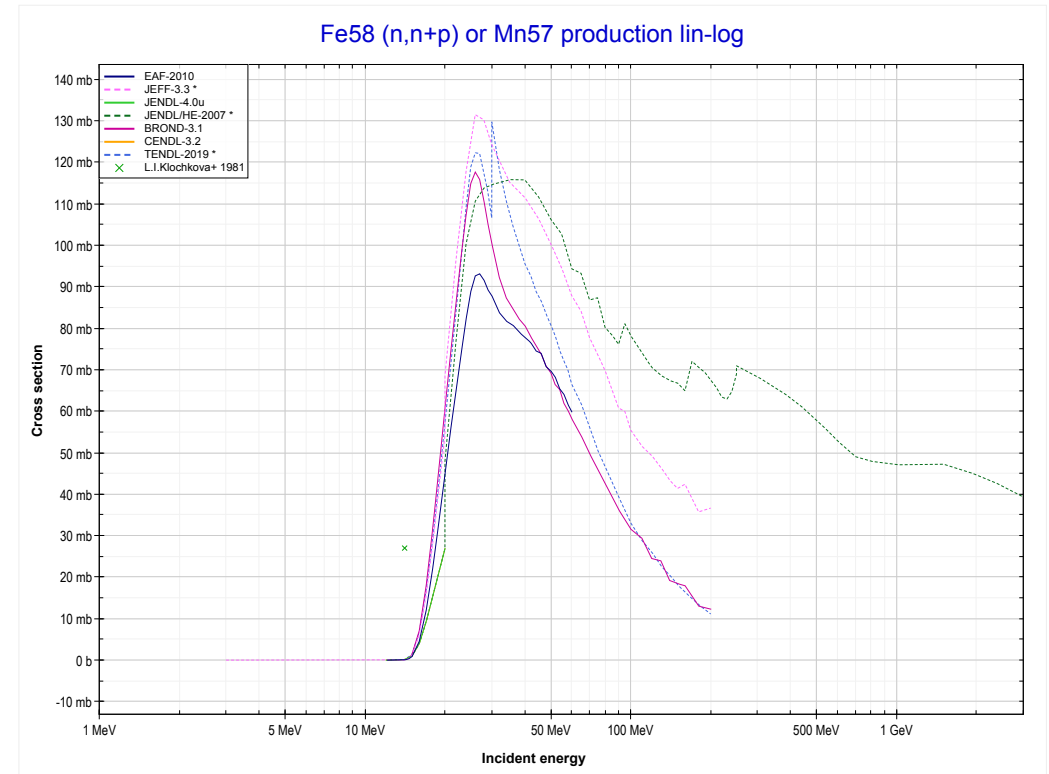
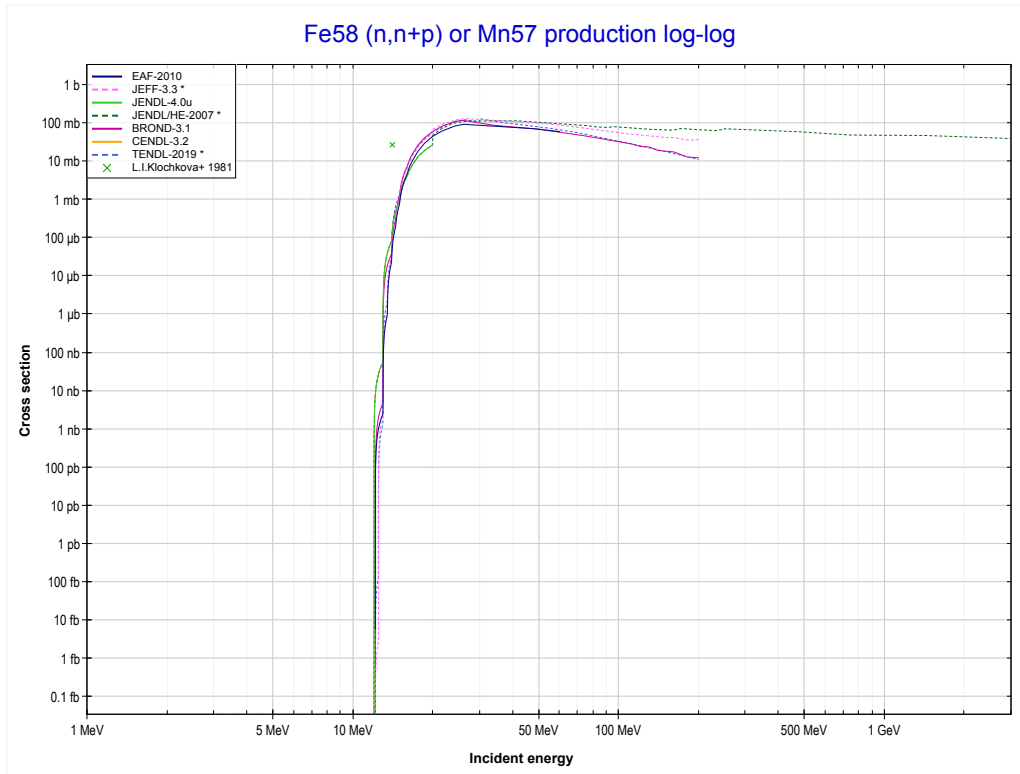
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.2465E-7 b | 2.24487E-7 b | 2.2449E-7 b | 1.00005 | 1.33066E-7 b | 6.56513E-4 b | 0.0419042 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.21472E-9 b | 8.64779E-4 b | 0.00259344 b |
| JEFF-3.3 | 4.37202E-7 b | 4.37202E-7 b | 4.3736E-7 b | 1.00036 | 3.31486E-7 b | 6.75968E-4 b | 0.0406181 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.79406E-4 b | 0.0106388 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79406E-4 b | 0.0106388 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109641 b | 0.032084 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.8244E-4 b | 0.0106417 b |
| TENDL-2019 | 1.80785E-7 b | 1.80785E-7 b | 1.8064E-7 b | 0.9992 | 9.77825E-8 b | 4.62946E-4 b | 0.0374145 b |

| | | |
|----------------------------------|----------------------|-----------------|
| << 26-Fe-57 | 26-Fe-58 | 27-Co-59 >> |
| << 26-Fe-57 MT107 (n, α) | MT1 (n,total) | MT28 (n,n+p) >> |



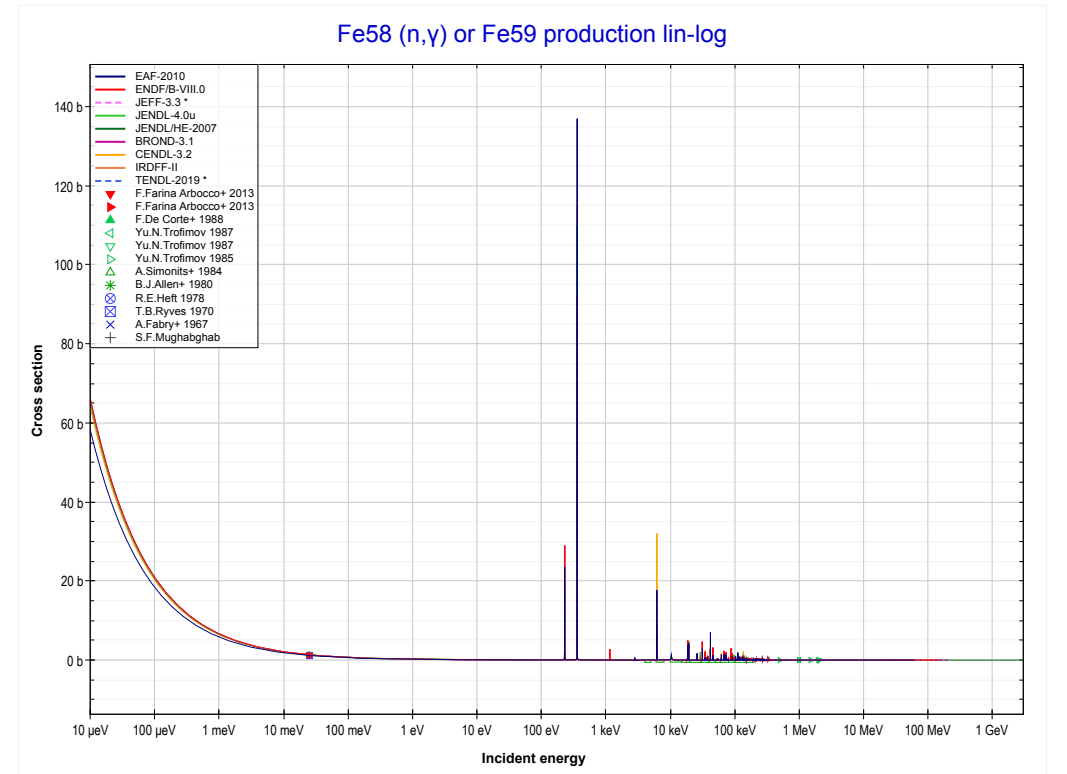
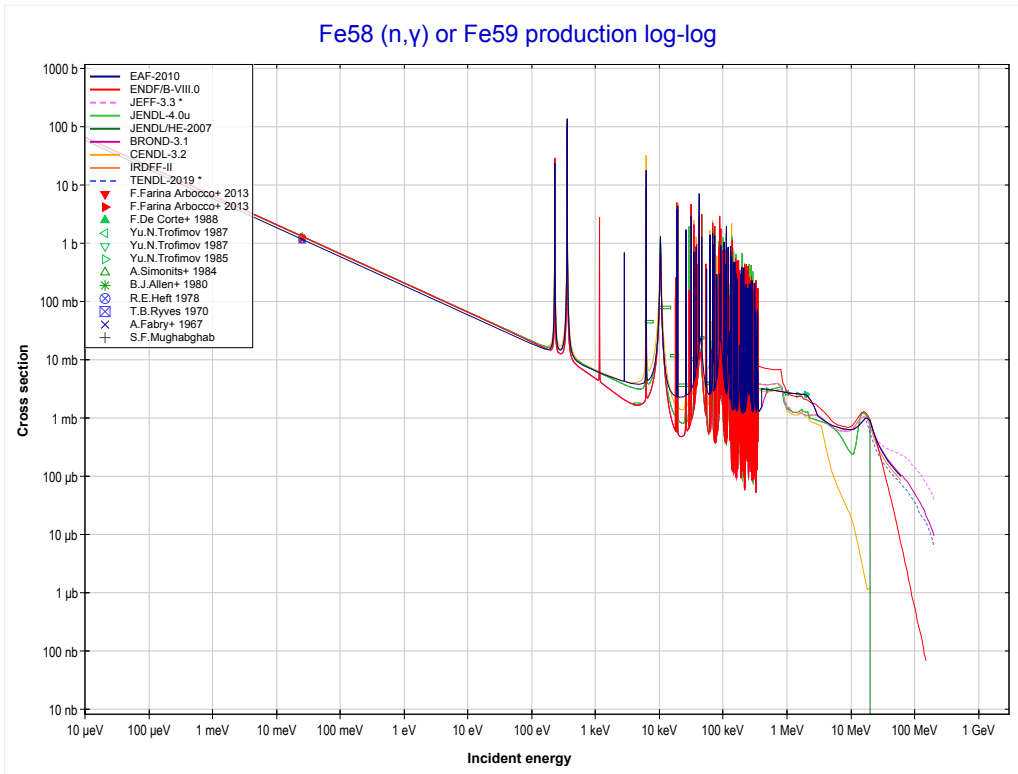
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.8561 b | 8.8561 b | 9.8244 b | 1.10934 | 96.6816 b | 4.0747 b | 2.66933 b |
| JEFF-3.3 | 8.8561 b | 8.8561 b | 9.8244 b | 1.10934 | 96.6816 b | 4.79509 b | 2.7187 b |
| JENDL-4.0u | 7.82699 b | 7.82699 b | 8.6651 b | 1.10708 | 90.5318 b | 3.85387 b | 2.65969 b |
| JENDL/HE-2007 | 7.82659 b | 7.82659 b | 8.6647 b | 1.10709 | 90.5546 b | 3.8539 b | 2.65969 b |
| BROND-3.1 | 8.8561 b | 8.8561 b | 9.8244 b | 1.10934 | 96.6816 b | 3.82787 b | 2.64169 b |
| CENDL-3.2 | 5.74313 b | 5.74313 b | 6.3173 b | 1.09998 | 77.7643 b | 3.93275 b | 2.6491 b |
| IRDFF-II | 8.85587 b | 8.85587 b | 9.8269 b | 1.10964 | 96.7192 b | 4.79523 b | 2.7187 b |
| TENDL-2019 | 7.82659 b | 7.82659 b | 8.6647 b | 1.10709 | 90.5544 b | 4.71666 b | 2.71858 b |

| | | |
|------------------|--|-------------------------|
| << 26-Fe-57 | 26-Fe-58 | 27-Co-59 >> |
| << MT1 (n,total) | MT28 (n,n+p) or MT5 (Mn57 production) | MT102 (n, γ) >> |



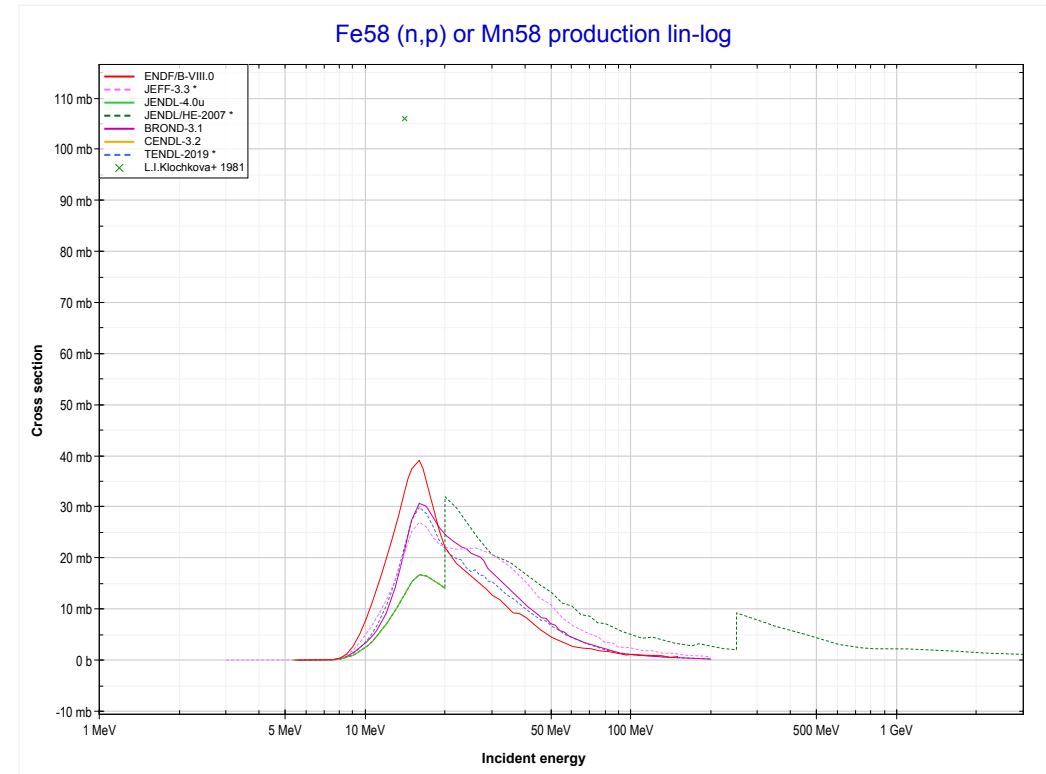
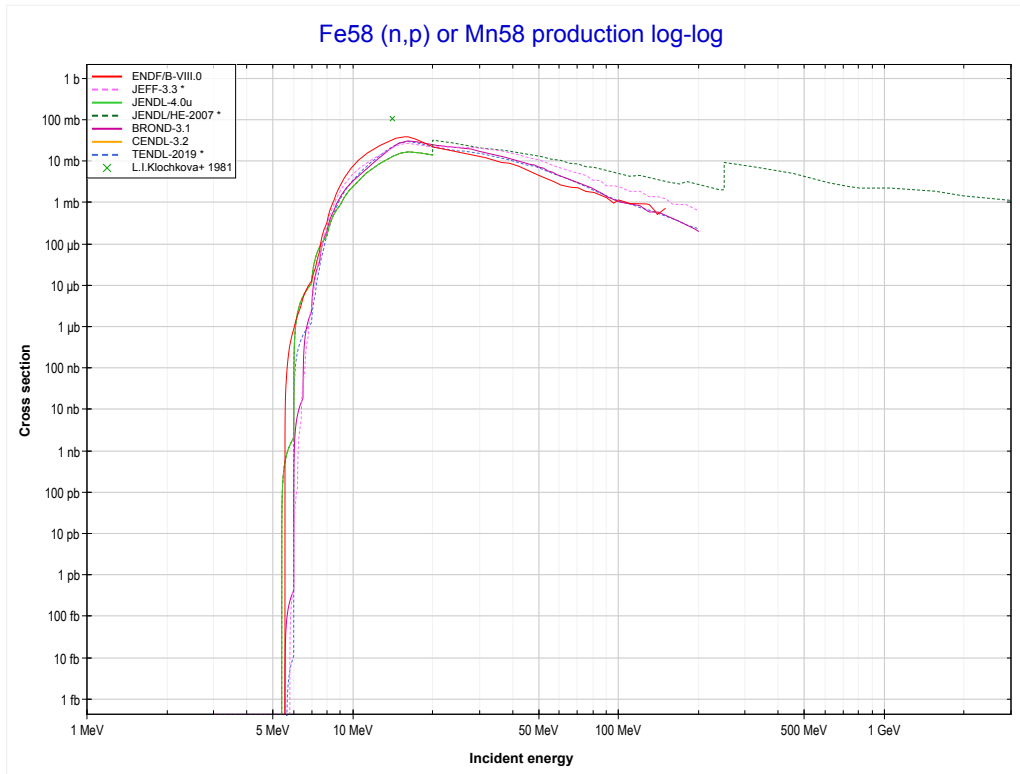
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.25459E-7 b | 2.88931E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.81805E-7 b | 8.03082E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.81805E-7 b | 8.03082E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.16925E-7 b | 3.71981E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.81988E-7 b | 8.03616E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.84078E-7 b | 3.20872E-5 b |

| | | |
|-----------------|---|----------------|
| << 26-Fe-57 | 26-Fe-58 | 27-Co-57 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Fe59 production) | MT103 (n,p) >> |



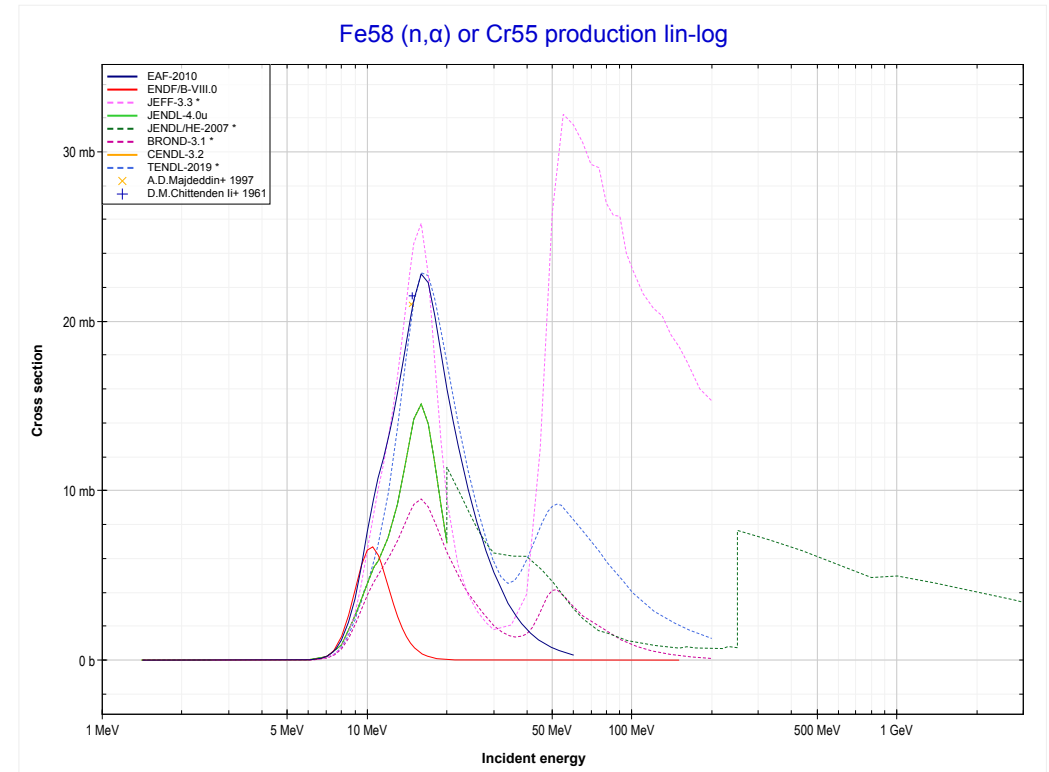
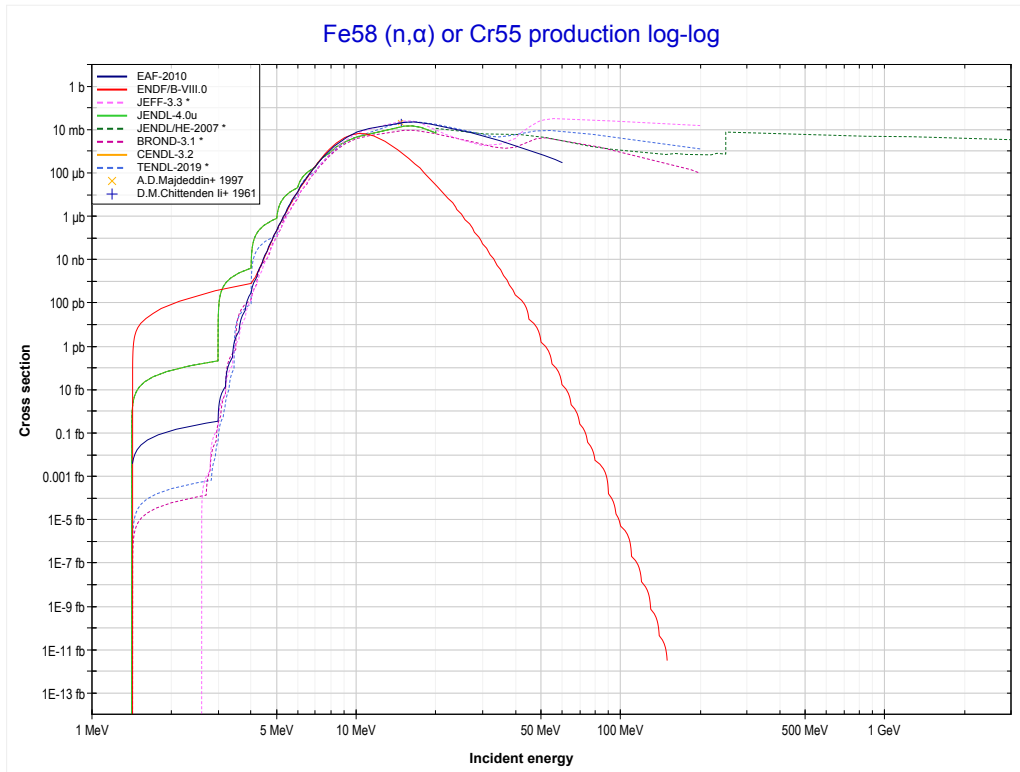
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.15048 b | 1.14962 b | 1.1504 b | 1.00071 | 1.47924 b | 0.00255479 b | 7.95E-4 b |
| ENDF/B-VIII.0 | 1.31475 b | 1.31475 b | 1.3152 b | 1.00035 | 1.26164 b | 0.00322132 b | 0.00113985 b |
| JEFF-3.3 | 1.31475 b | 1.31475 b | 1.3152 b | 1.00035 | 1.26164 b | 0.00210059 b | 9.78224E-4 b |
| JENDL-4.0u | 1.30059 b | 1.30059 b | 1.3011 b | 1.00036 | 1.34742 b | 0.00186479 b | 0.00102548 b |
| JENDL/HE-2007 | 1.30019 b | 1.30019 b | 1.3003 b | 1.00005 | 1.346 b | 0.00186473 b | 0.00102548 b |
| BROND-3.1 | 1.31475 b | 1.31475 b | 1.3152 b | 1.00035 | 1.26164 b | 0.0024821 b | 7.95002E-4 b |
| CENDL-3.2 | 1.27188 b | 1.27188 b | 1.2719 b | 1.00005 | 1.5552 b | 0.0019033 b | 4.38832E-6 b |
| IRDF-II | 1.31452 b | 1.31452 b | 1.3149 b | 1.00028 | 1.26073 b | 0.00210035 b | 9.78224E-4 b |
| TENDL-2019 | 1.30019 b | 1.30019 b | 1.3003 b | 1.00005 | 1.346 b | 0.00199209 b | 9.78223E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 26-Fe-57 | 26-Fe-58 | 27-Co-59 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mn58 production) | MT107 (n, α) >> |



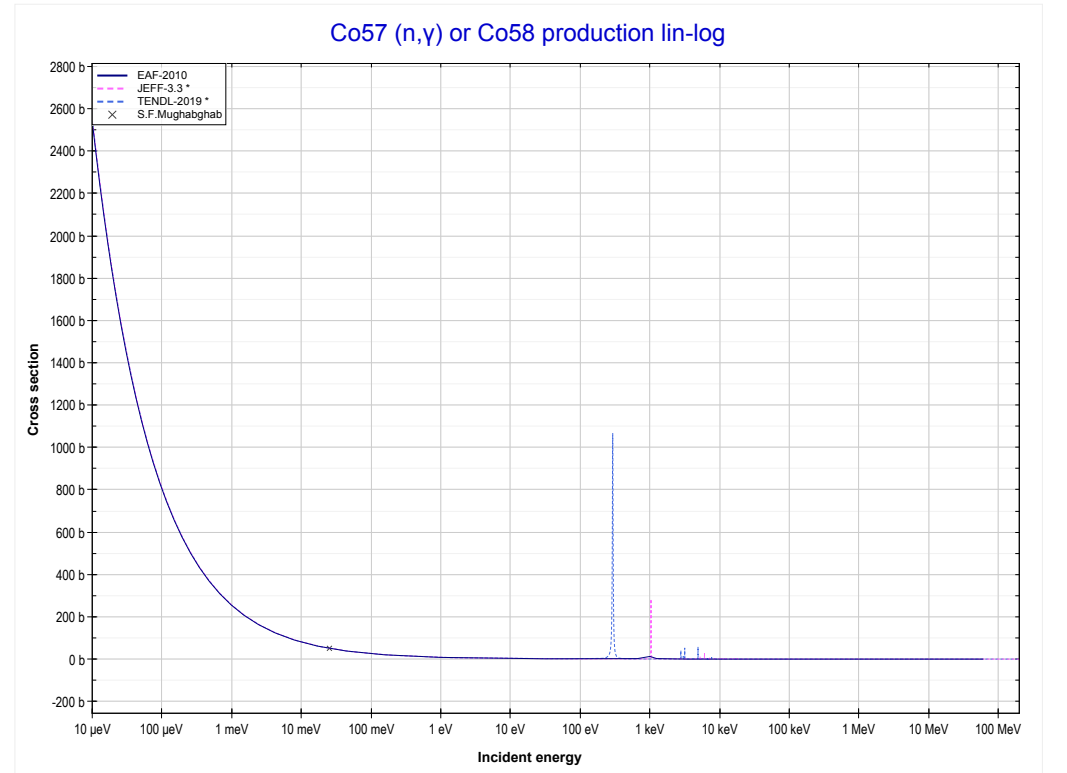
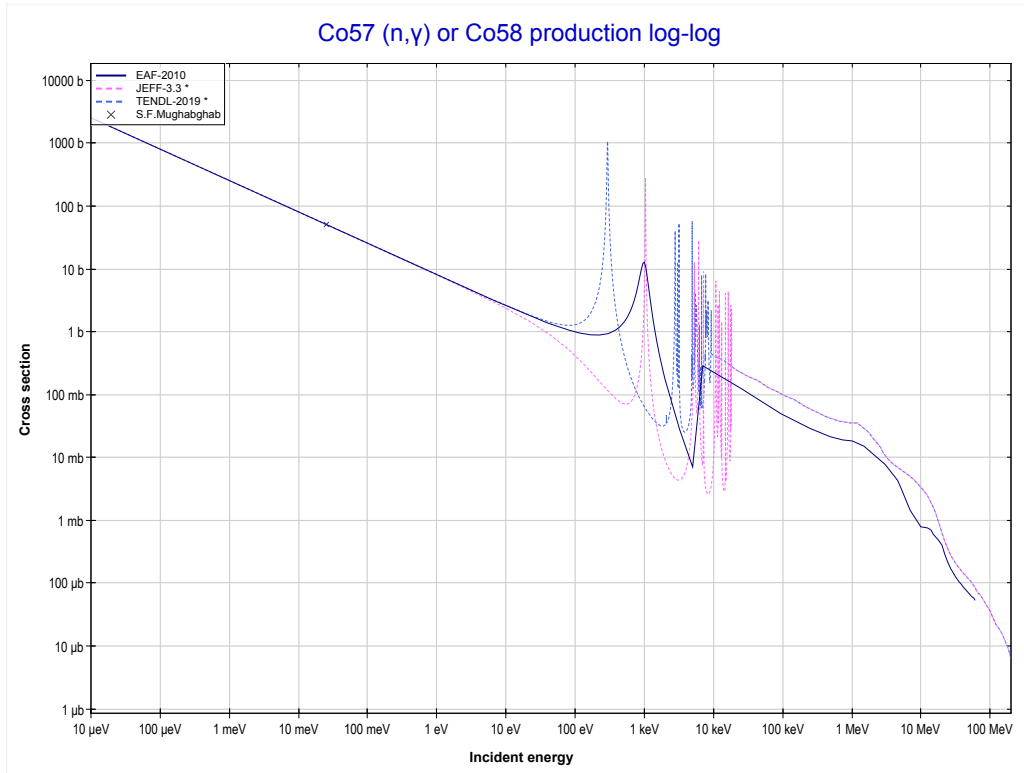
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59775E-5 b | 0.0324425 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.95444E-5 b | 0.020491 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.67624E-5 b | 0.0126229 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67623E-5 b | 0.0126229 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31741E-5 b | 0.0208117 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6763E-5 b | 0.0126226 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38578E-5 b | 0.0217434 b |

| | | |
|----------------|---|----------------------------------|
| << 26-Fe-57 | 26-Fe-58 | 27-Co-59 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Cr55 production) | 27-Co-57 MT102 (n, γ) >> |



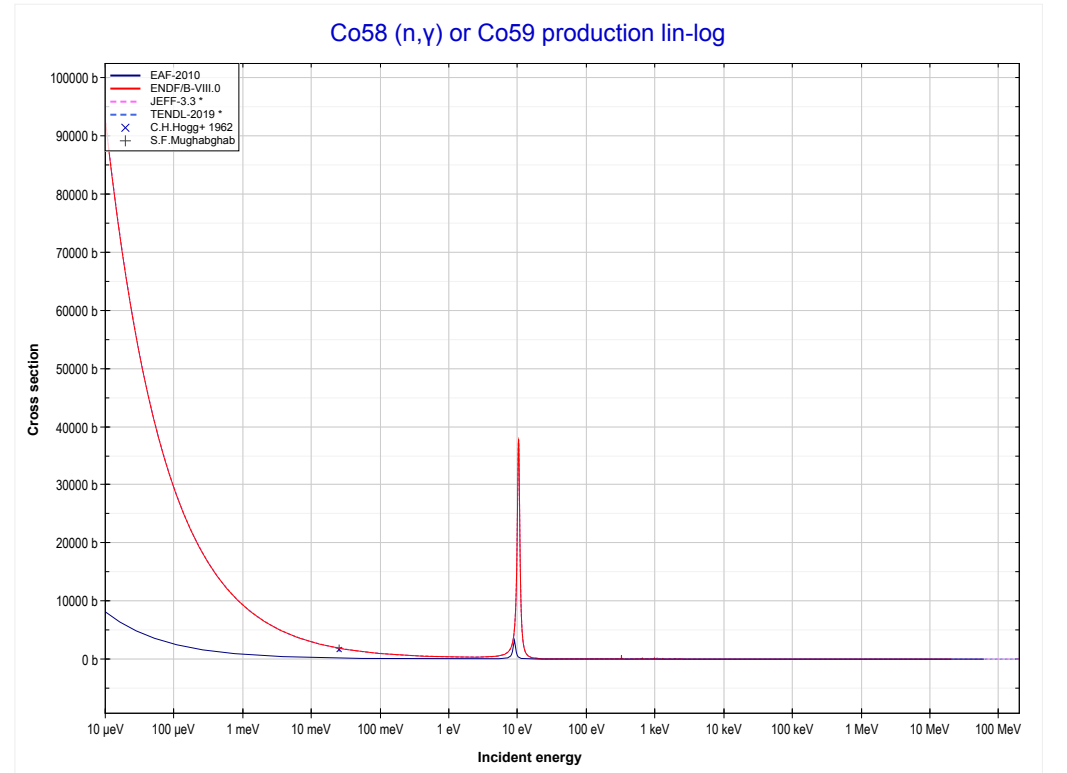
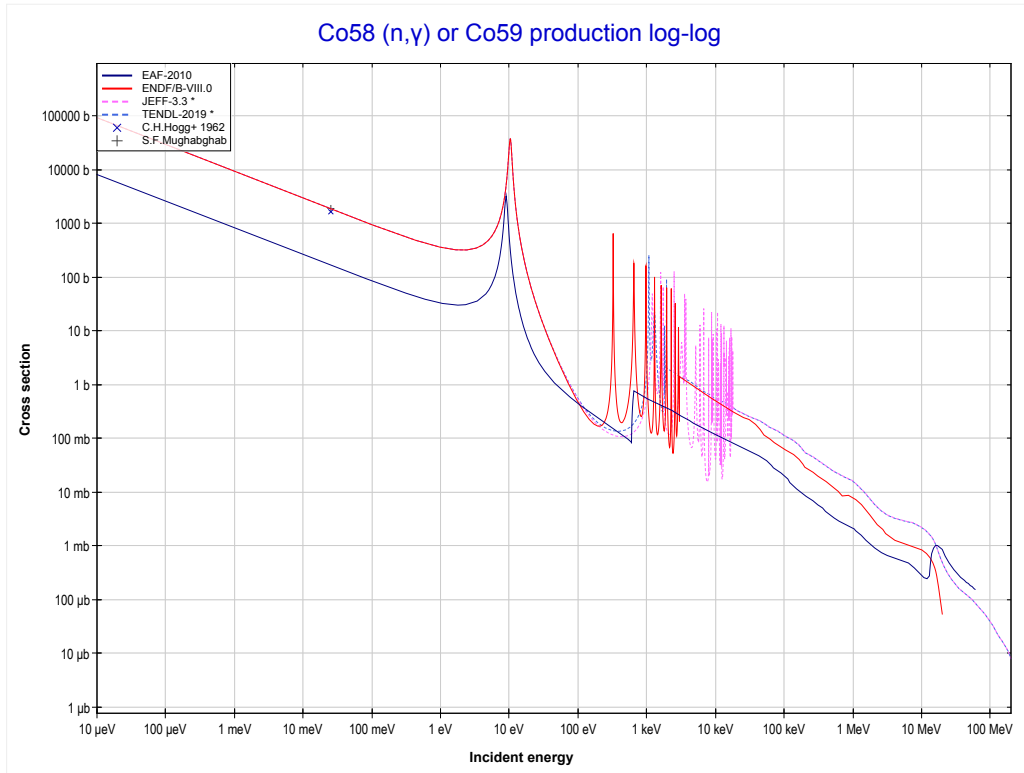
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.73415E-5 b | 0.0185923 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67898E-5 b | 0.0014413 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.04953E-5 b | 0.0208728 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.2183E-5 b | 0.0117376 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21829E-5 b | 0.0117376 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.4142E-5 b | 0.00818219 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21912E-5 b | 0.011738 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26203E-5 b | 0.0177153 b |

| | | |
|----------------------------------|---|----------------------------------|
| << 26-Fe-58 | 27-Co-57 | 27-Co-58 >> |
| << 26-Fe-58 MT107 (n, α) | MT102 (n,γ) or MT5 (Co58 production) | 27-Co-58 MT102 (n, γ) >> |



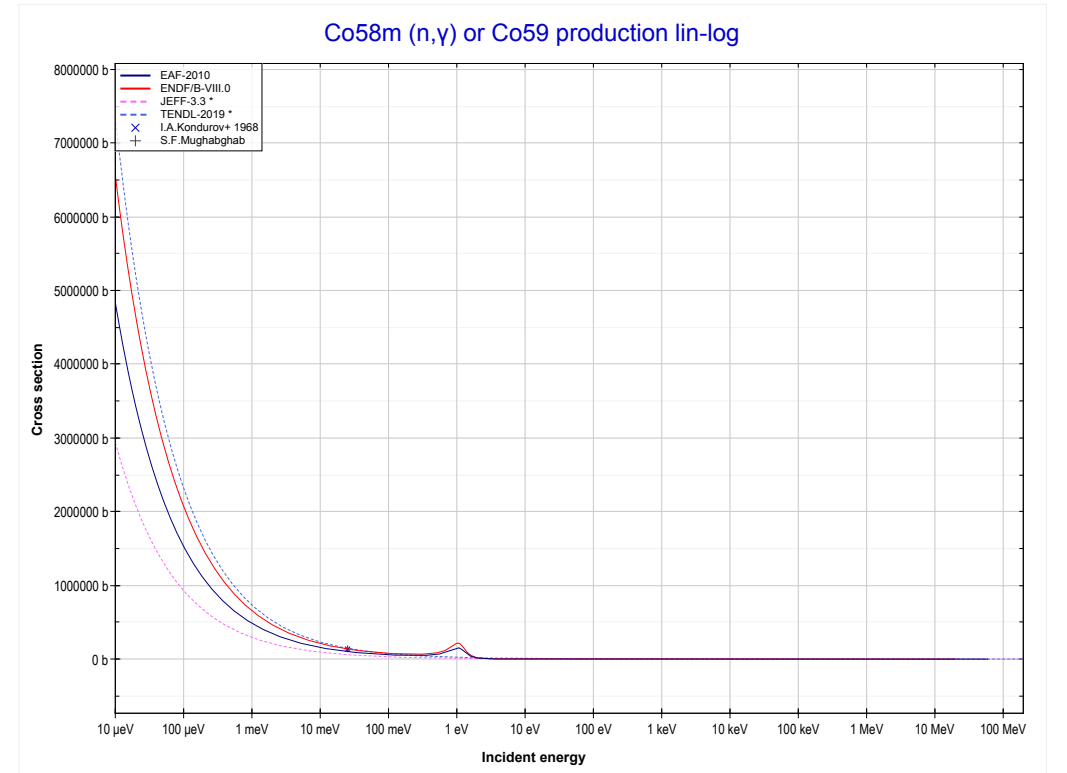
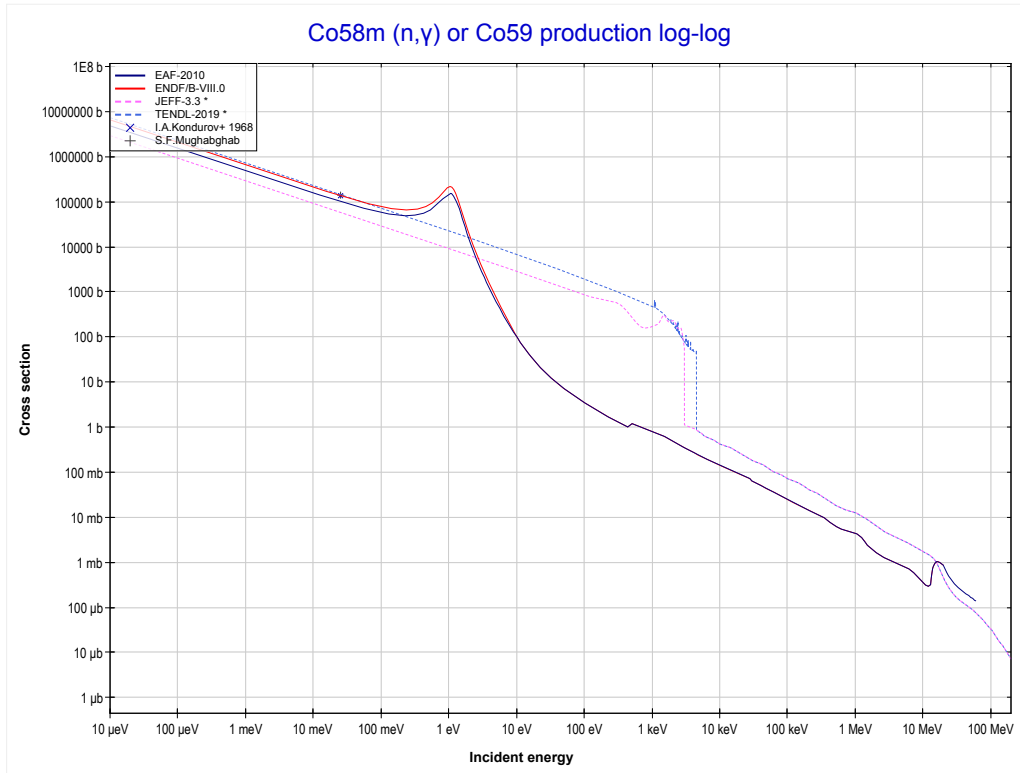
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 50.5026 b | 50.4647 b | 50.466 b | 1.00003 | 28.6446 b | 0.015151 b | 7E-4 b |
| JEFF-3.3 | 50.8488 b | 50.8488 b | 50.859 b | 1.00019 | 25.5191 b | 0.0289862 b | 0.00191045 b |
| TENDL-2019 | 50.7524 b | 50.7524 b | 50.757 b | 1.00009 | 75.2719 b | 0.0289461 b | 0.00189856 b |

| | | |
|----------------------------------|---|-----------------------------------|
| << 27-Co-57 | 27-Co-58 | 27-Co-58m >> |
| << 27-Co-57 MT102 (n, γ) | MT102 (n,γ) or MT5 (Co59 production) | 27-Co-58m MT102 (n, γ) >> |



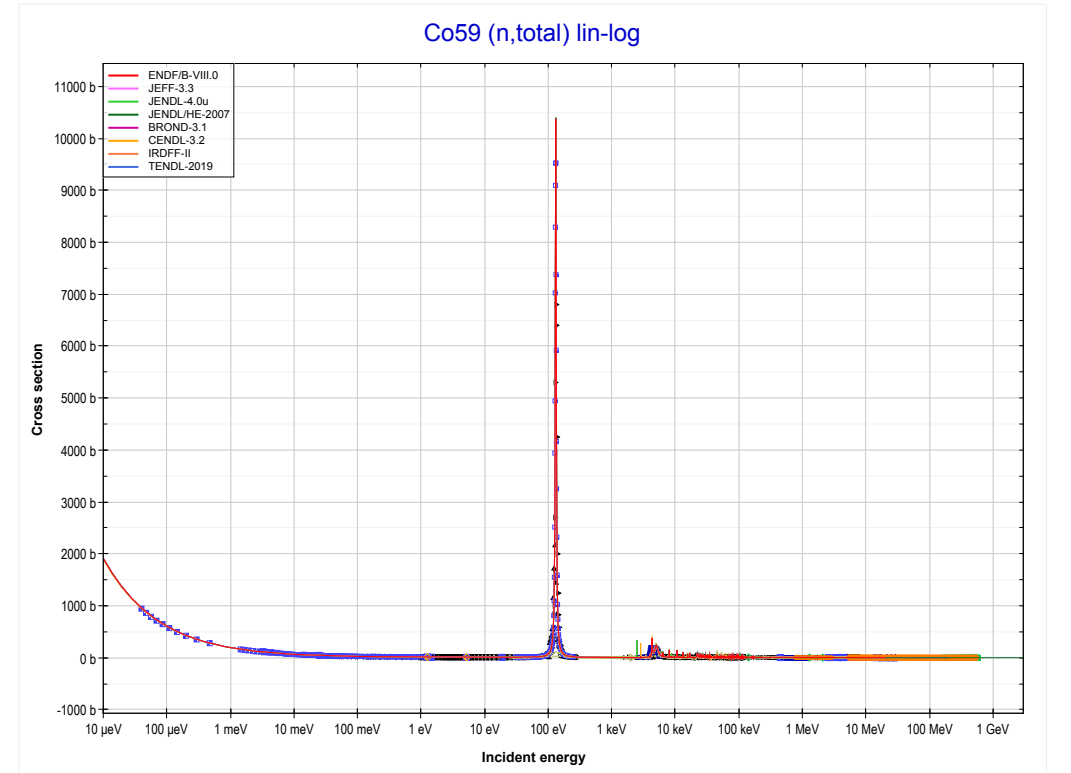
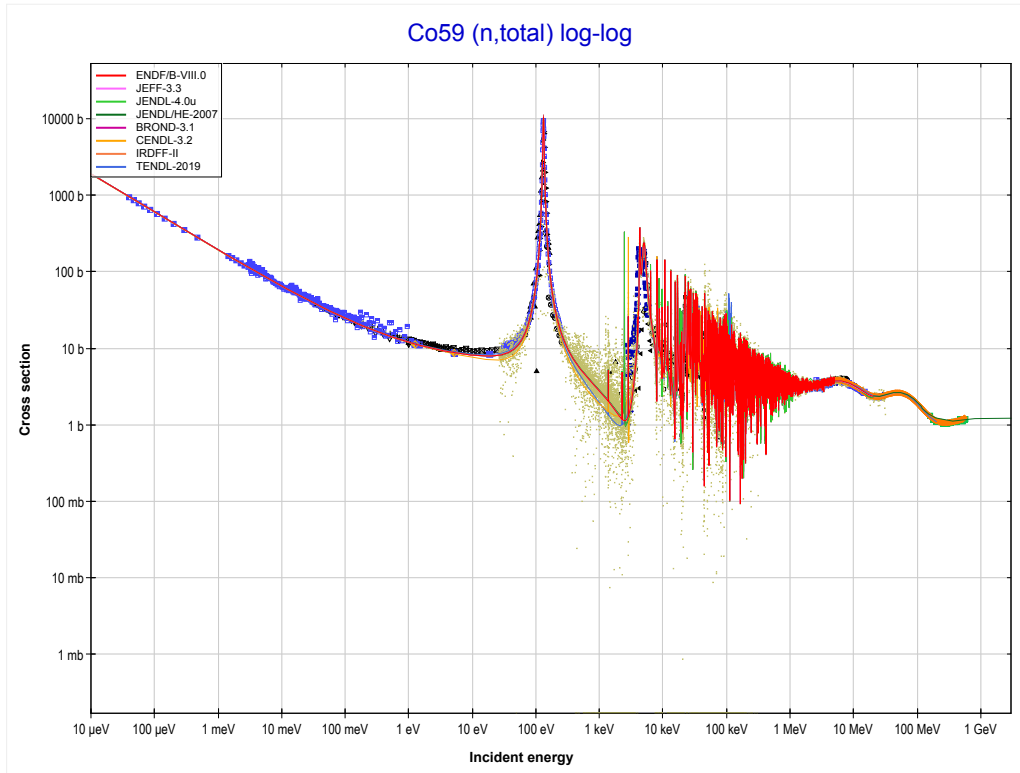
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 165.08 b | 164.965 b | 166.51 b | 1.00943 | 586.804 b | 0.00262587 b | 7.168E-4 b |
| ENDF/B-VIII.0 | 1855.94 b | 1855.94 b | 1861.2 b | 1.00282 | 6683.23 b | 0.00911547 b | 5.4E-4 b |
| JEFF-3.3 | 1860.68 b | 1860.68 b | 1865.8 b | 1.00275 | 6676.74 b | 0.0171231 b | 0.00147046 b |
| TENDL-2019 | 1861.27 b | 1861.27 b | 1866 b | 1.00251 | 6671.59 b | 0.0168866 b | 0.00146207 b |

| | | |
|----------------------------------|---|---------------------------|
| << 27-Co-58 | 27-Co-58m | 27-Co-59 >> |
| << 27-Co-58 MT102 (n, γ) | MT102 (n,γ) or MT5 (Co59 production) | 27-Co-59 MT1 (n,total) >> |



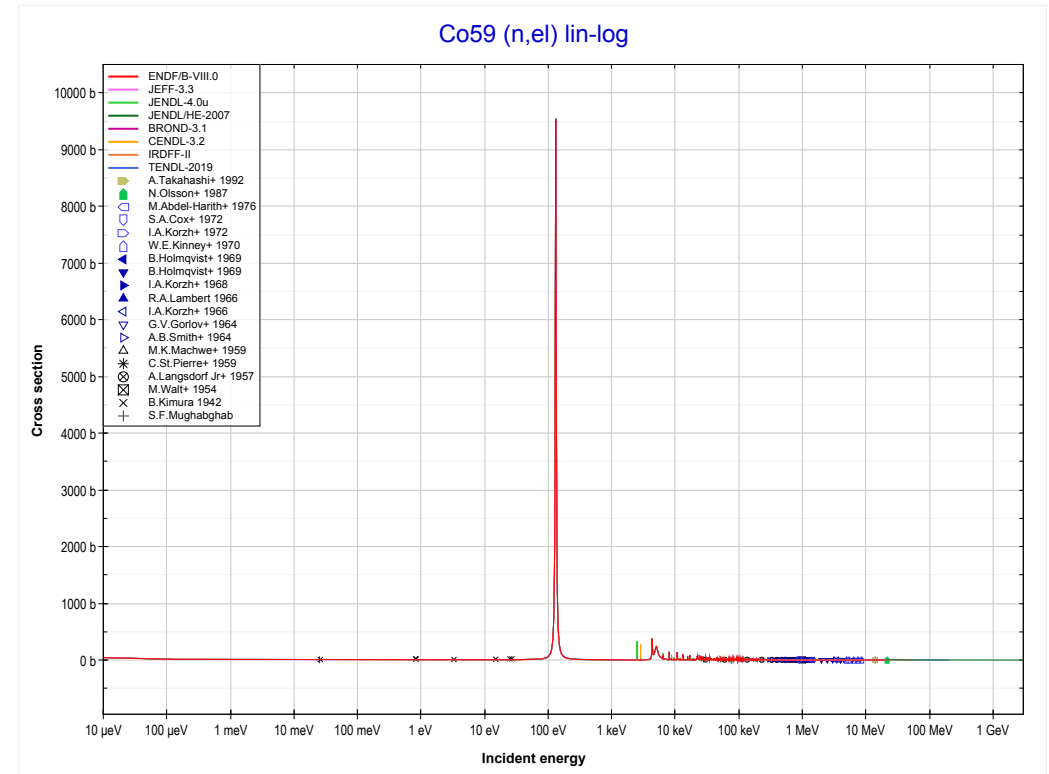
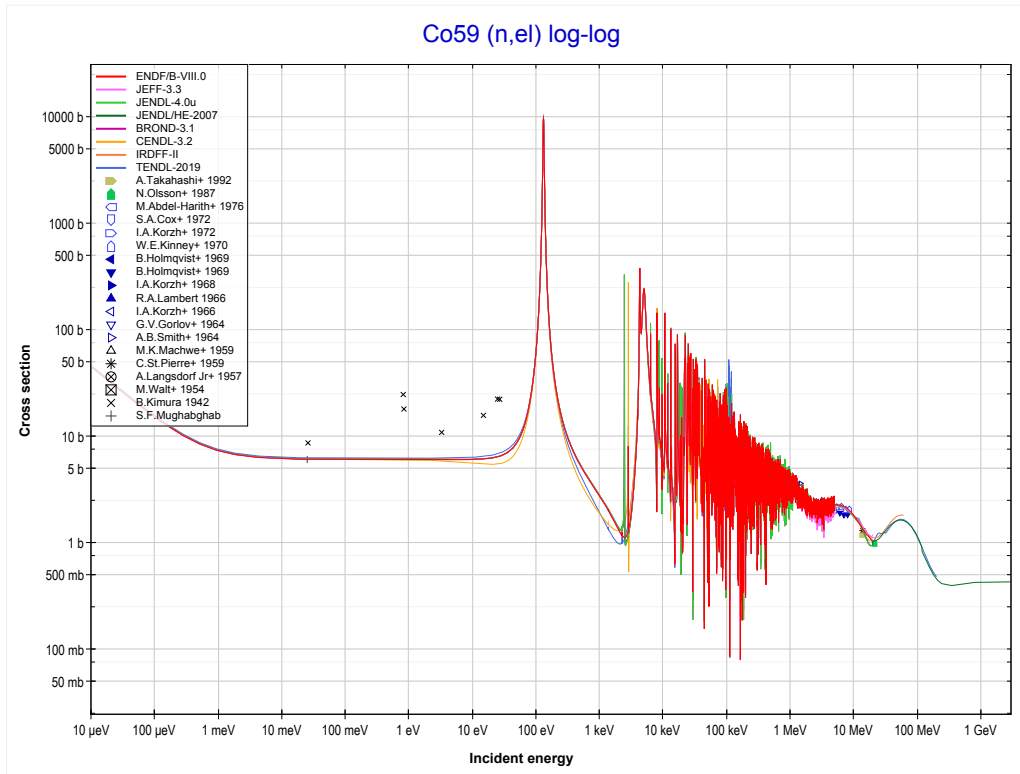
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 100969 b | 100900 b | 103420 b | 1.02505 | 127756 b | 0.00430132 b | 7.5209E-4 b |
| ENDF/B-VIII.0 | 135618 b | 135618 b | 138930 b | 1.02443 | 174990 b | 0.00430091 b | 7.521E-4 b |
| JEFF-3.3 | 58398.4 b | 58398.4 b | 58416 b | 1.0003 | 25465.1 b | 0.0253644 b | 0.0012751 b |
| TENDL-2019 | 145571 b | 145571 b | 145510 b | 0.99958 | 61367.9 b | 0.0302769 b | 0.00126809 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 26-Fe-58 | 27-Co-59 | 27-Co-60 >> |
| << 27-Co-58m MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



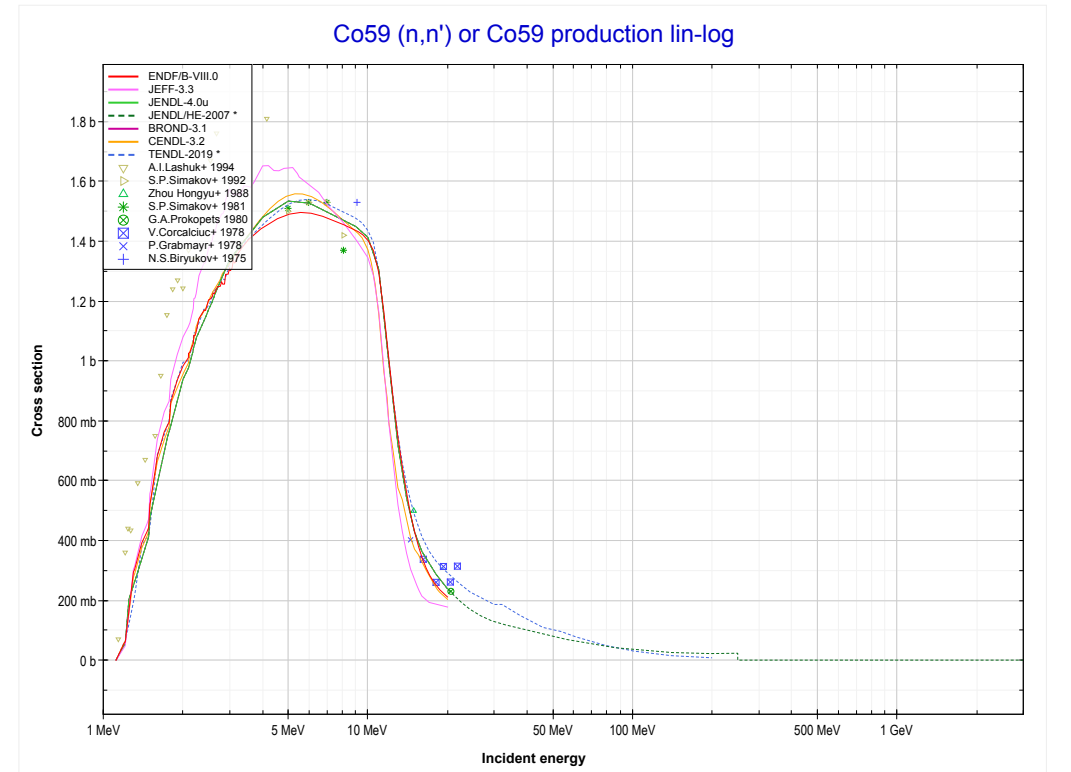
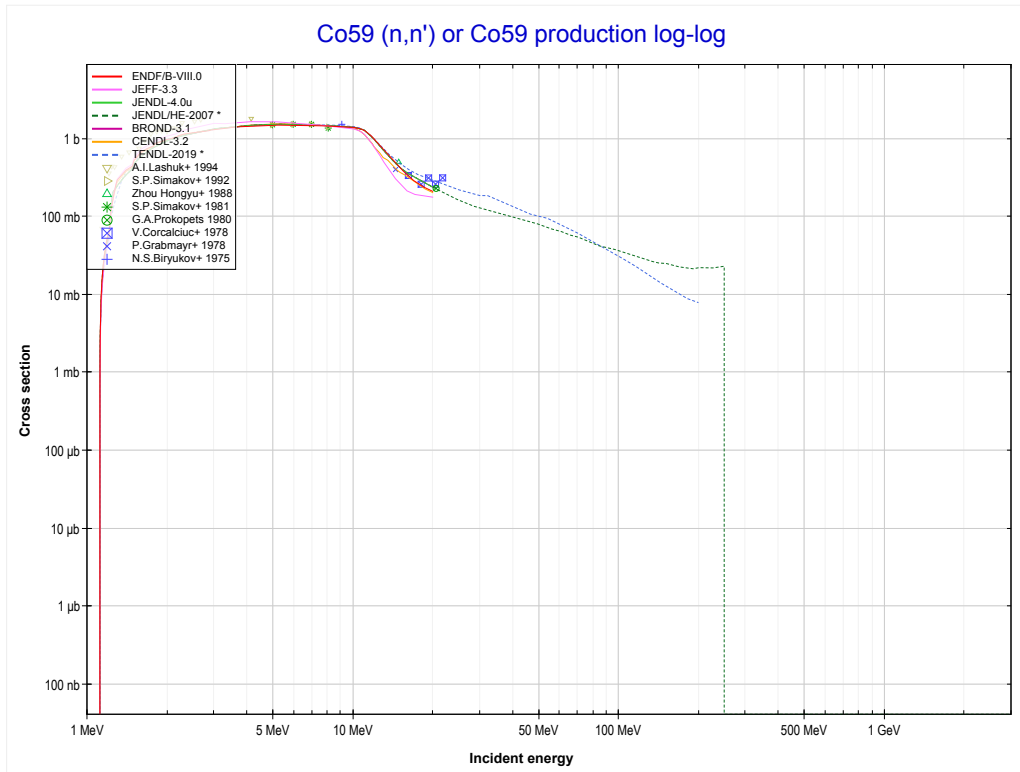
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 43.2156 b | 43.2156 b | 44.008 b | 1.01835 | 855.515 b | 3.73509 b | 2.74207 b |
| JEFF-3.3 | 43.2156 b | 43.2156 b | 44.008 b | 1.01835 | 855.515 b | 3.73366 b | 2.70798 b |
| JENDL-4.0u | 43.2799 b | 43.2799 b | 44.078 b | 1.01843 | 857.521 b | 3.73079 b | 2.69882 b |
| JENDL/HE-2007 | 43.2688 b | 43.2688 b | 44.056 b | 1.01819 | 856.941 b | 3.73014 b | 2.69882 b |
| BROND-3.1 | 43.2799 b | 43.2799 b | 44.078 b | 1.01843 | 857.521 b | 3.73079 b | 2.69882 b |
| CENDL-3.2 | 42.7044 b | 42.7044 b | 43.488 b | 1.01834 | 832.119 b | 3.63334 b | 2.7185 b |
| IRDFF-II | 43.2095 b | 43.2095 b | 44.003 b | 1.01836 | 854.925 b | 3.73354 b | 2.70798 b |
| TENDL-2019 | 43.4066 b | 43.4066 b | 44.213 b | 1.01857 | 836.561 b | 3.70216 b | 2.83307 b |

| | | |
|------------------|------------------------|---------------|
| << 26-Fe-57 | 27-Co-59 | 28-Ni-58 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



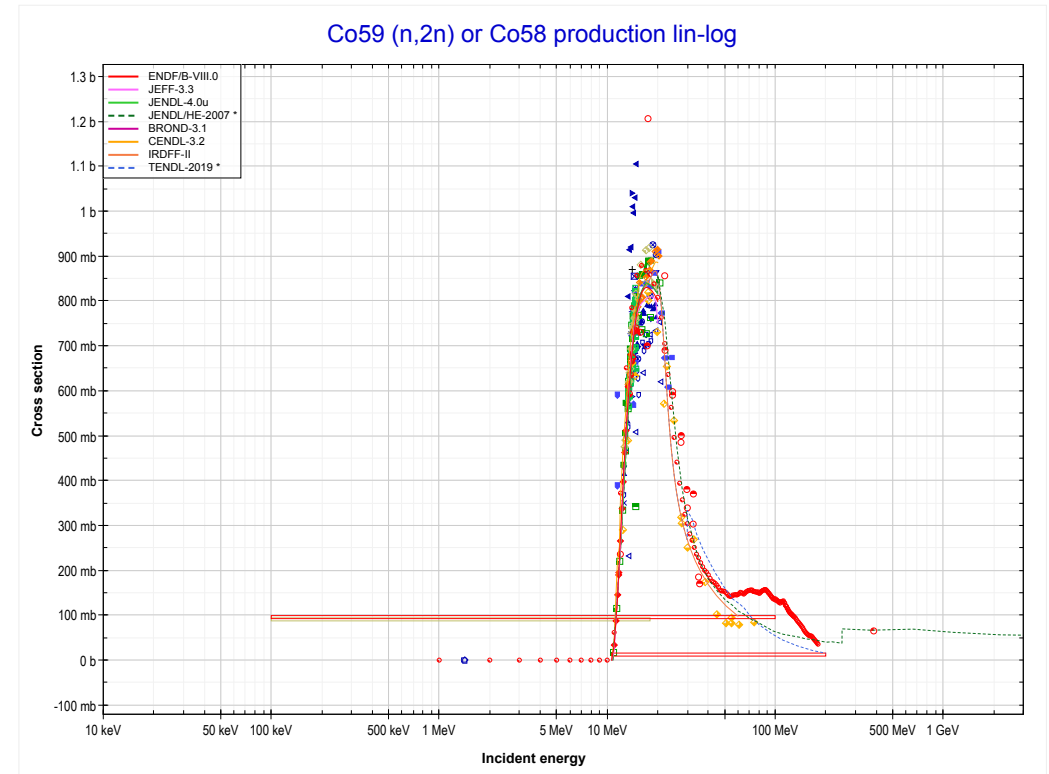
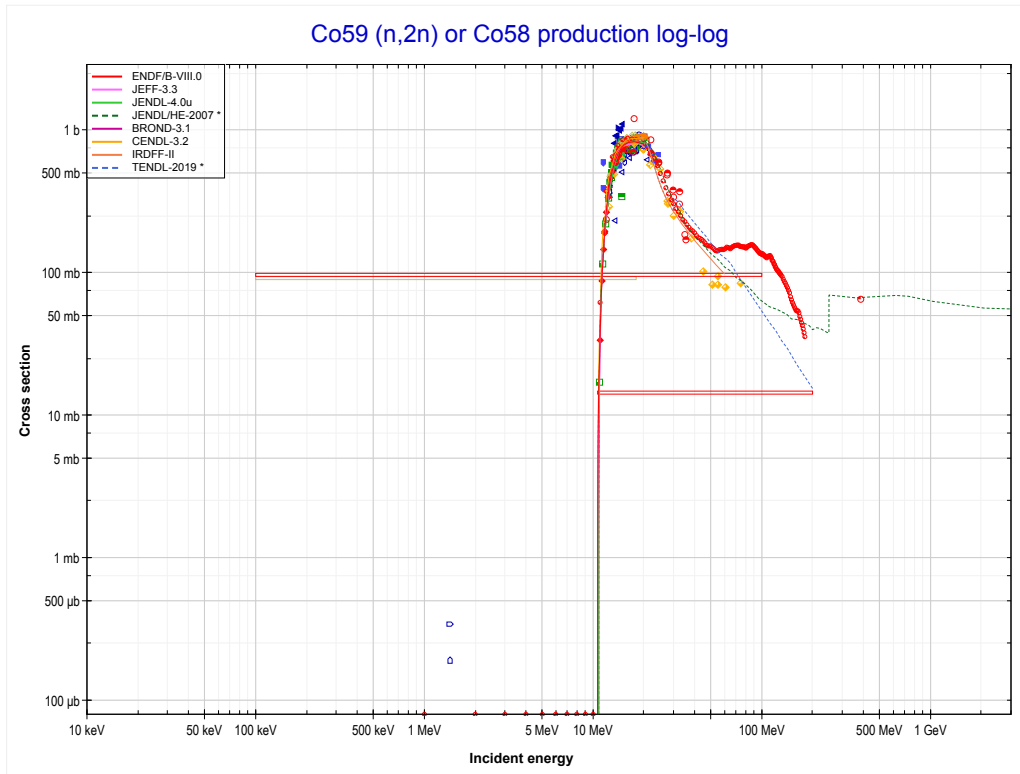
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.03186 b | 6.03186 b | 6.8059 b | 1.12832 | 779.673 b | 3.07743 b | 1.32841 b |
| JEFF-3.3 | 6.03186 b | 6.03186 b | 6.8059 b | 1.12832 | 779.673 b | 3.00054 b | 1.3845 b |
| JENDL-4.0u | 6.06968 b | 6.06968 b | 6.8485 b | 1.12831 | 781.63 b | 3.08031 b | 1.33523 b |
| JENDL/HE-2007 | 6.06968 b | 6.06968 b | 6.8489 b | 1.12838 | 781.119 b | 3.08028 b | 1.33523 b |
| BROND-3.1 | 6.06968 b | 6.06968 b | 6.8485 b | 1.12831 | 781.63 b | 3.08031 b | 1.33523 b |
| CENDL-3.2 | 6.06788 b | 6.06788 b | 6.8454 b | 1.12813 | 757.194 b | 2.96966 b | 1.2857 b |
| IRDFF-II | 6.03186 b | 6.03186 b | 6.808 b | 1.12867 | 779.134 b | 3.00046 b | 1.3845 b |
| TENDL-2019 | 6.21806 b | 6.21806 b | 7.0167 b | 1.12844 | 761.015 b | 3.0437 b | 1.39206 b |

| | | |
|--------------------|--|----------------|
| << 26-Fe-57 | 27-Co-59 | 28-Ni-58 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Co59 production) | MT16 (n,2n) >> |



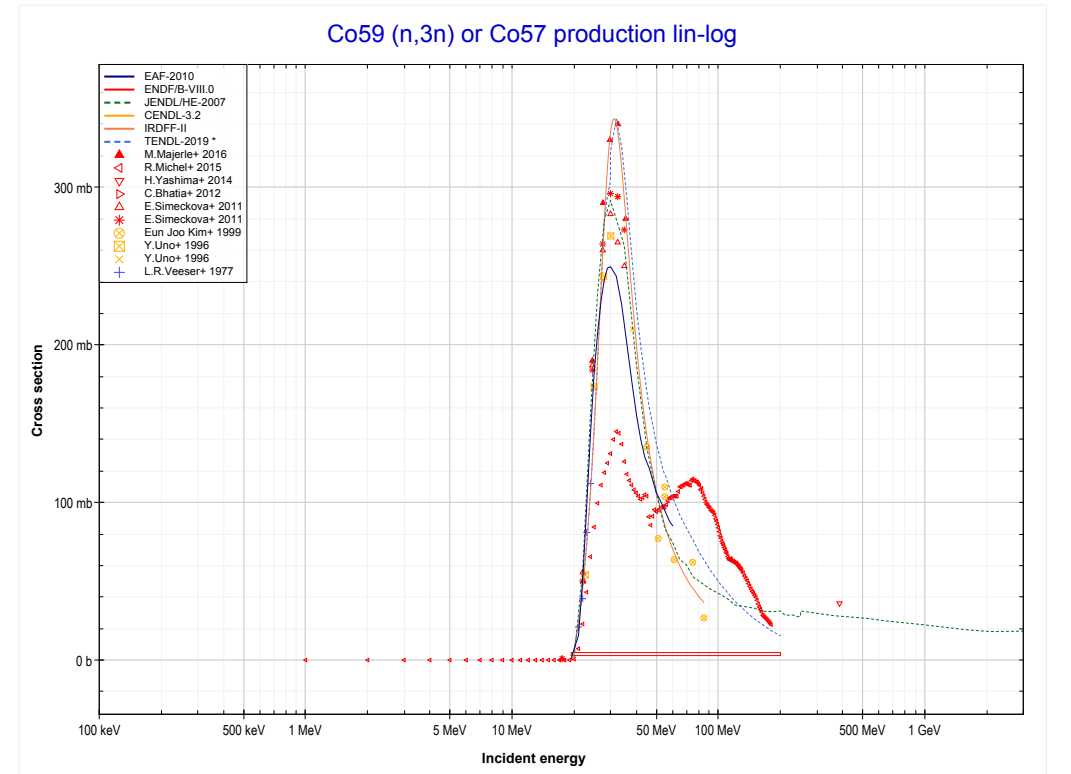
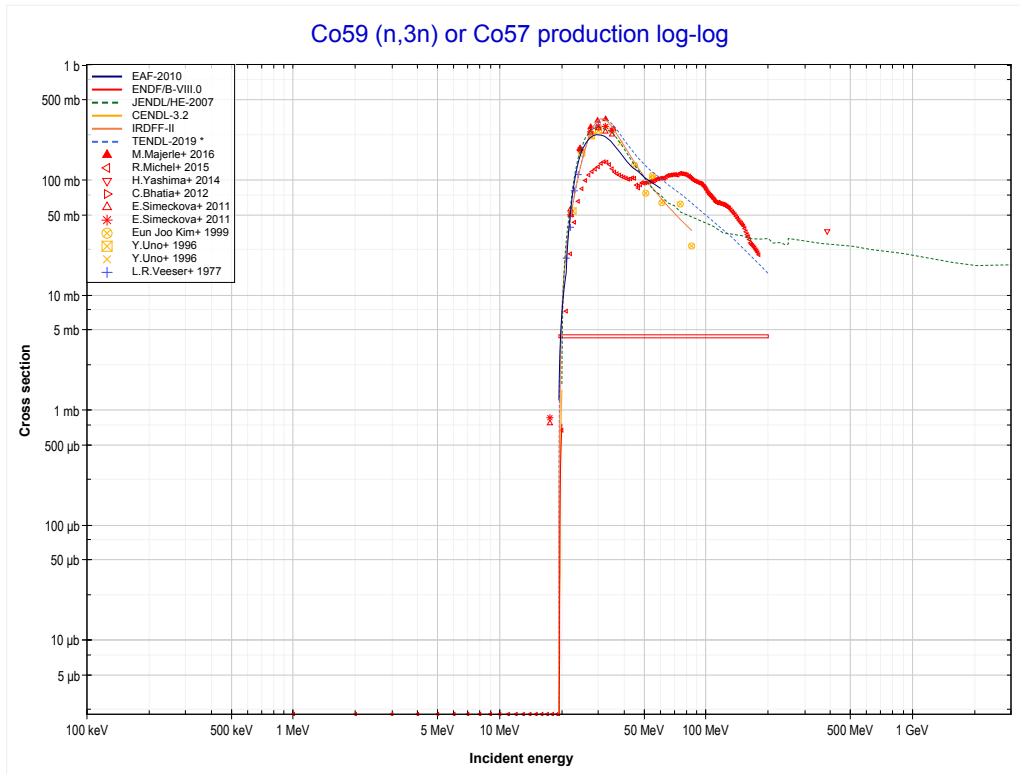
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.650897 b | 0.560585 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.725841 b | 0.358255 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.642686 b | 0.542335 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.64267 b | 0.542335 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.642686 b | 0.542335 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.656051 b | 0.47109 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.651292 b | 0.588185 b |

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|---------------|---|----------------|
| << 26-Fe-56 | 27-Co-59 | 28-Ni-58 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Co58 production) | MT17 (n,3n) >> |



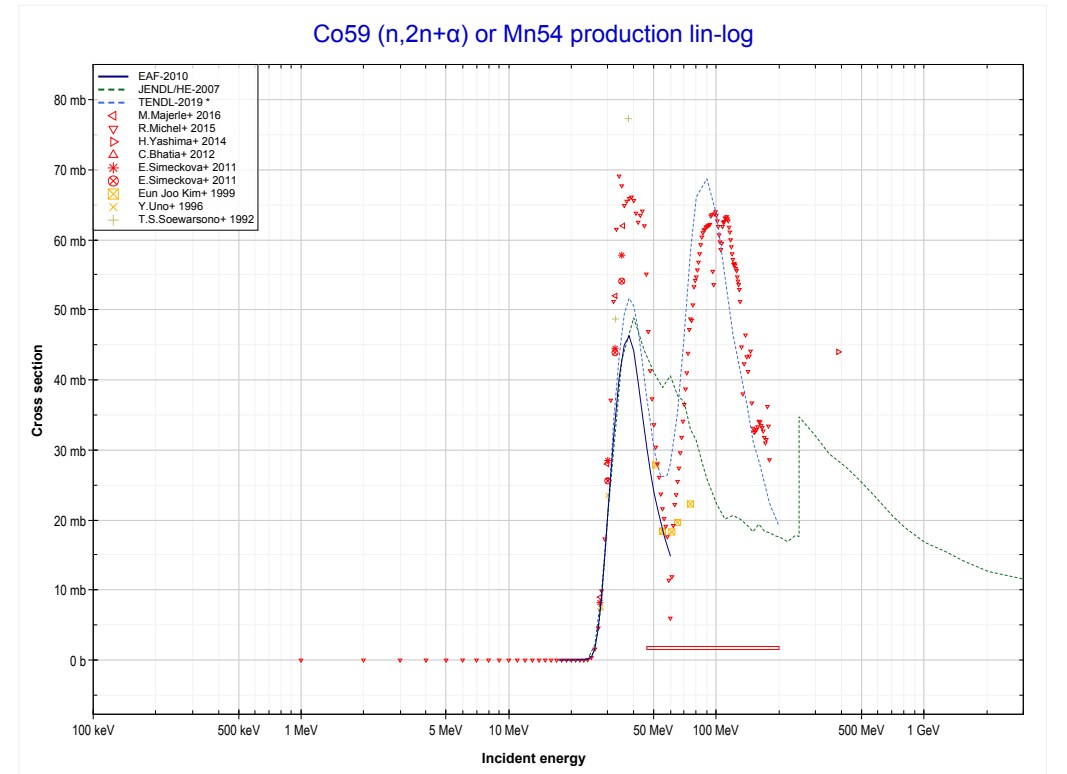
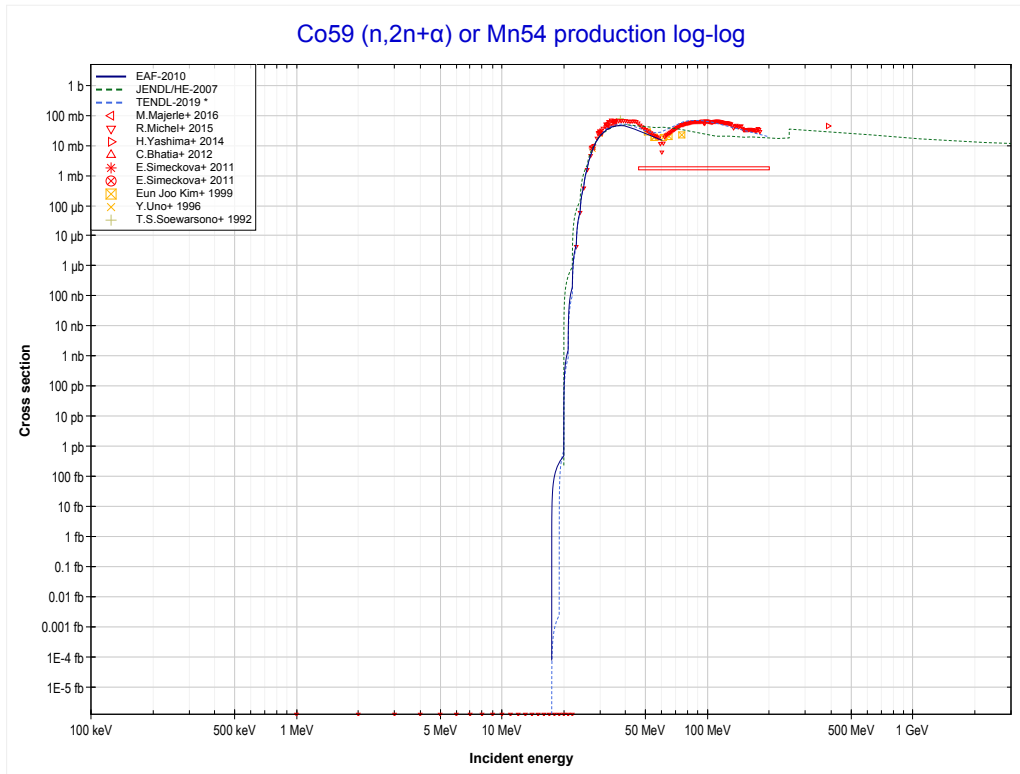
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.287E-4 b | 0.677995 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.22109E-4 b | 0.6887 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.13872E-4 b | 0.666 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13872E-4 b | 0.666 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13872E-4 b | 0.666 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.8606E-4 b | 0.72683 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 3.22116E-4 b | 0.685965 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.24046E-4 b | 0.685965 b |

| | | |
|----------------|---|------------------|
| << 26-Fe-54 | 27-Co-59 | 28-Ni-58 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Co57 production) | MT24 (n,2n+α) >> |



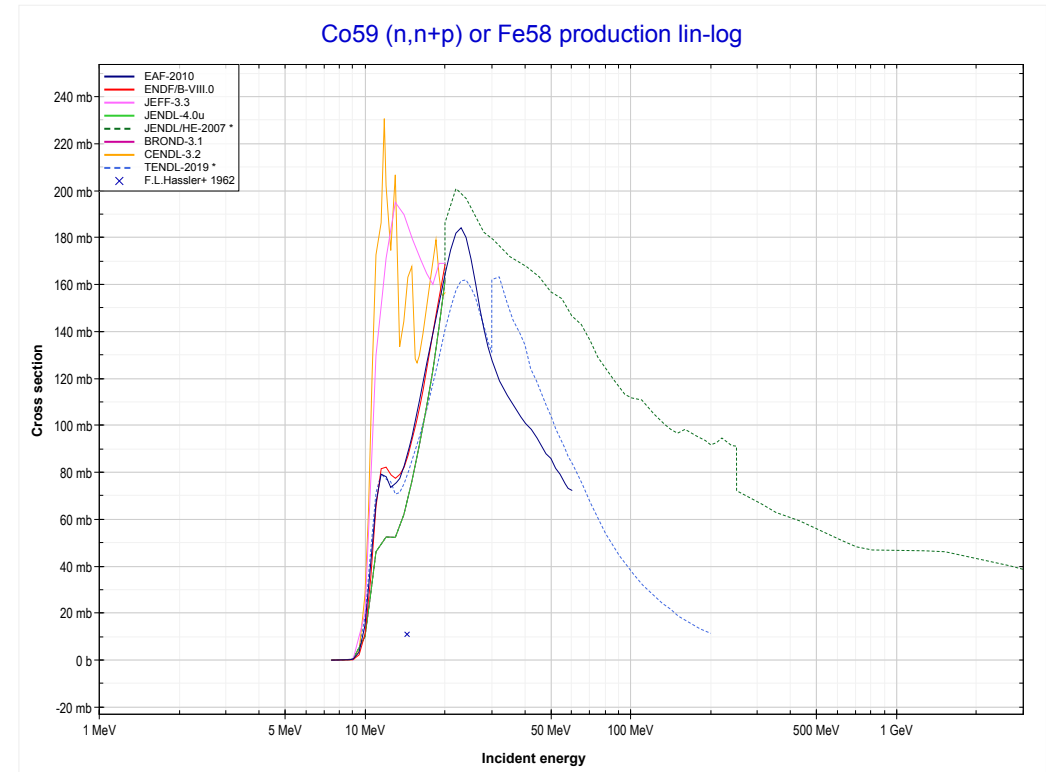
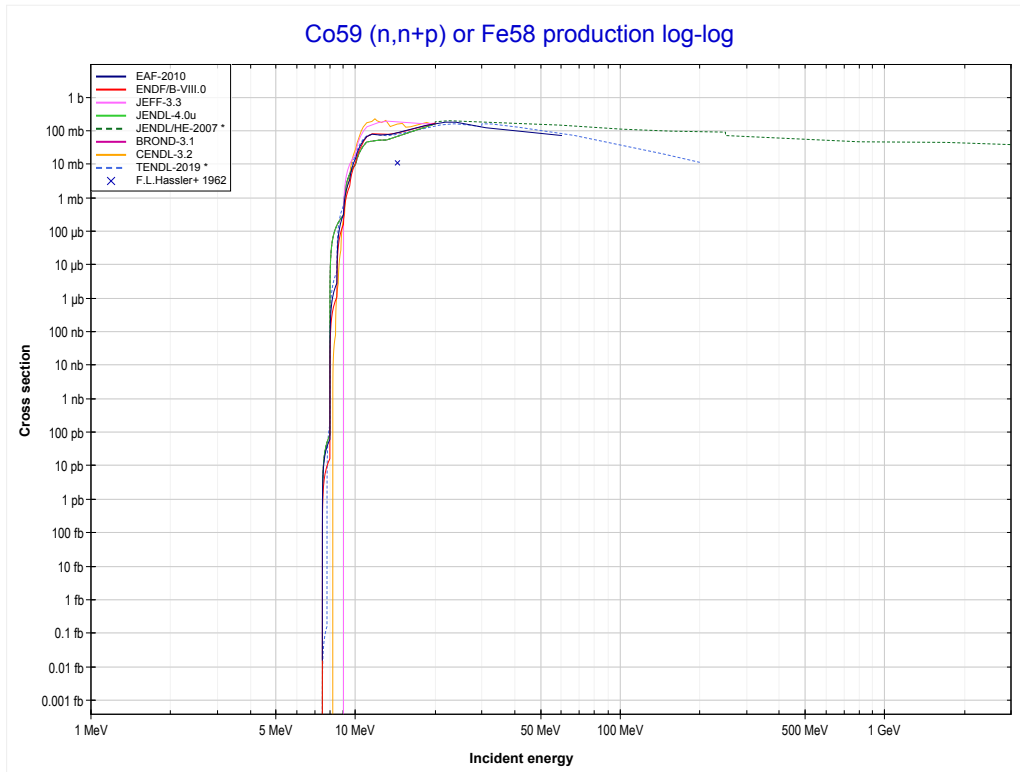
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Co59(n,3n)Co57 | -19026.73 keV |

| | | |
|----------------|---|-----------------|
| << 23-V-51 | 27-Co-59 | 41-Nb-93 >> |
| << MT17 (n,3n) | MT24 (n,2n+α) or MT5 (Mn54 production) | MT28 (n,n+p) >> |



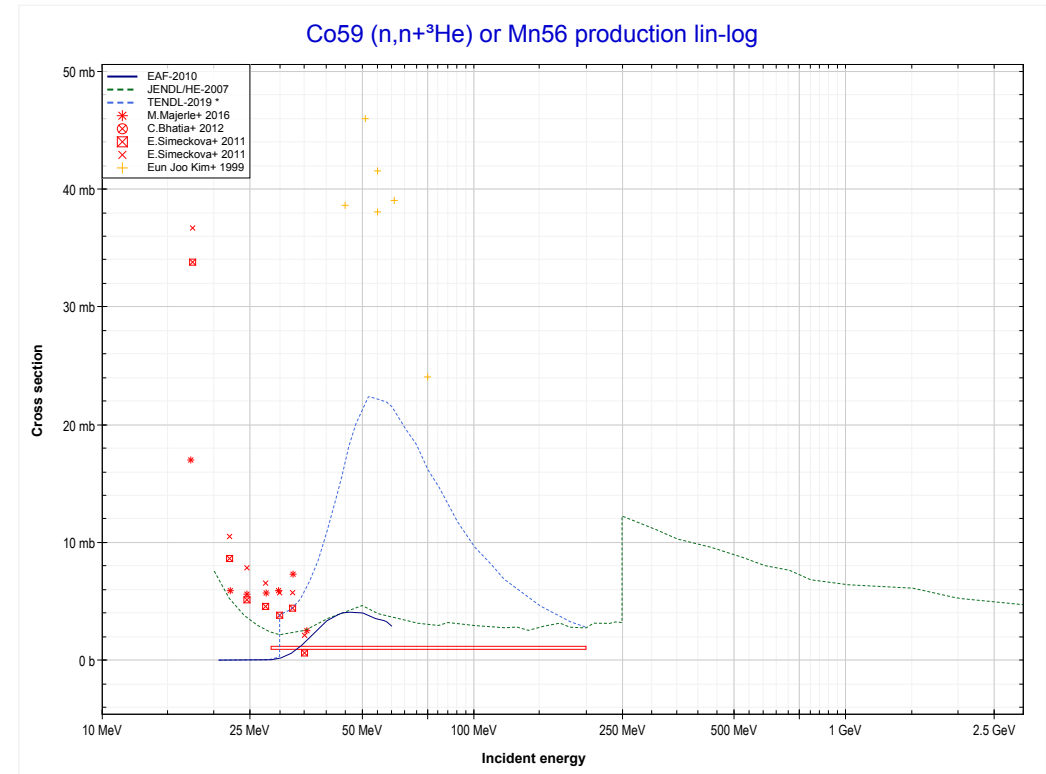
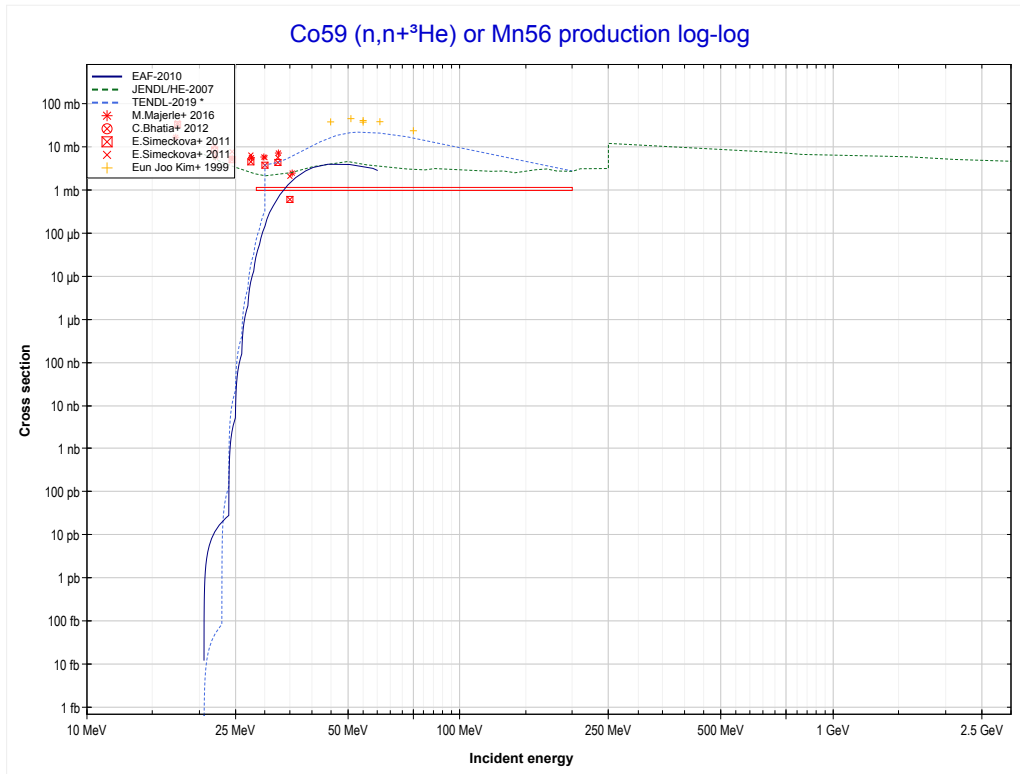
| Reaction | Q-Value |
|--------------------|---------------|
| Co59(n,2n+α)Mn54 | -17168.33 keV |
| Co59(n,2t)Mn54 | -28500.40 keV |
| Co59(n,n+d+t)Mn54 | -34757.63 keV |
| Co59(n,2n+p+t)Mn54 | -36982.20 keV |
| Co59(n,3n+He3)Mn54 | -37745.95 keV |
| Co59(n,2n+2d)Mn54 | -41014.86 keV |
| Co59(n,3n+p+d)Mn54 | -43239.43 keV |
| Co59(n,4n+2p)Mn54 | -45463.99 keV |

| | | |
|------------------|--|--------------------------------|
| << 26-Fe-58 | 27-Co-59 | 28-Ni-58 >> |
| << MT24 (n,2n+α) | MT28 (n,n+p) or MT5 (Fe58 production) | MT34 (n,n+ ³ He) >> |



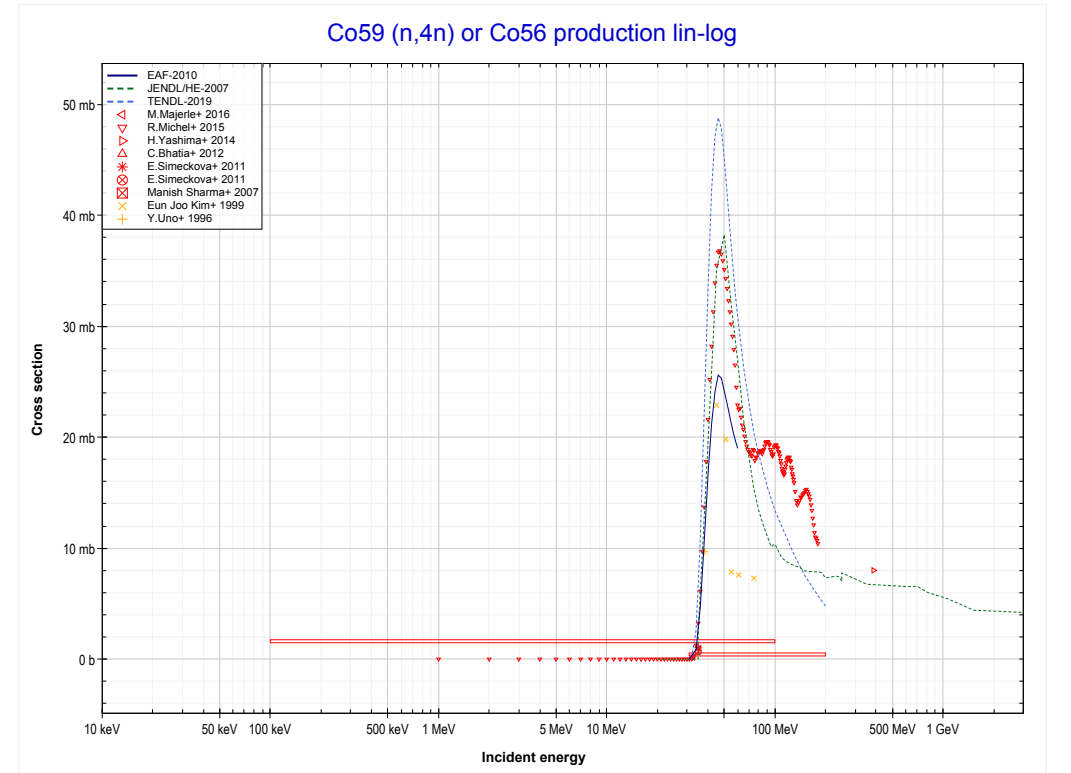
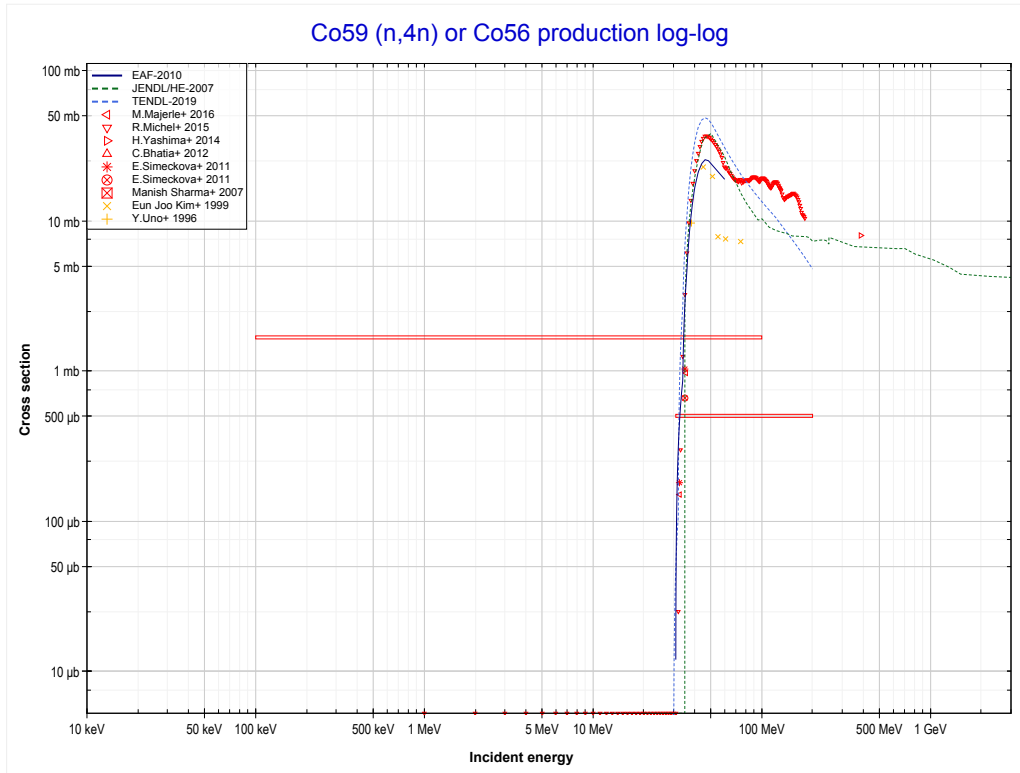
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18807E-4 b | 0.0818221 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49178E-4 b | 0.19 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.93542E-5 b | 0.0619263 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.93541E-5 b | 0.0619263 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.93542E-5 b | 0.0619263 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.82885E-4 b | 0.14428 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30945E-4 b | 0.0748507 b |

| | | |
|-----------------|---|----------------|
| << 23-V-51 | 27-Co-59 | 53-I-127 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Mn56 production) | MT37 (n,4n) >> |



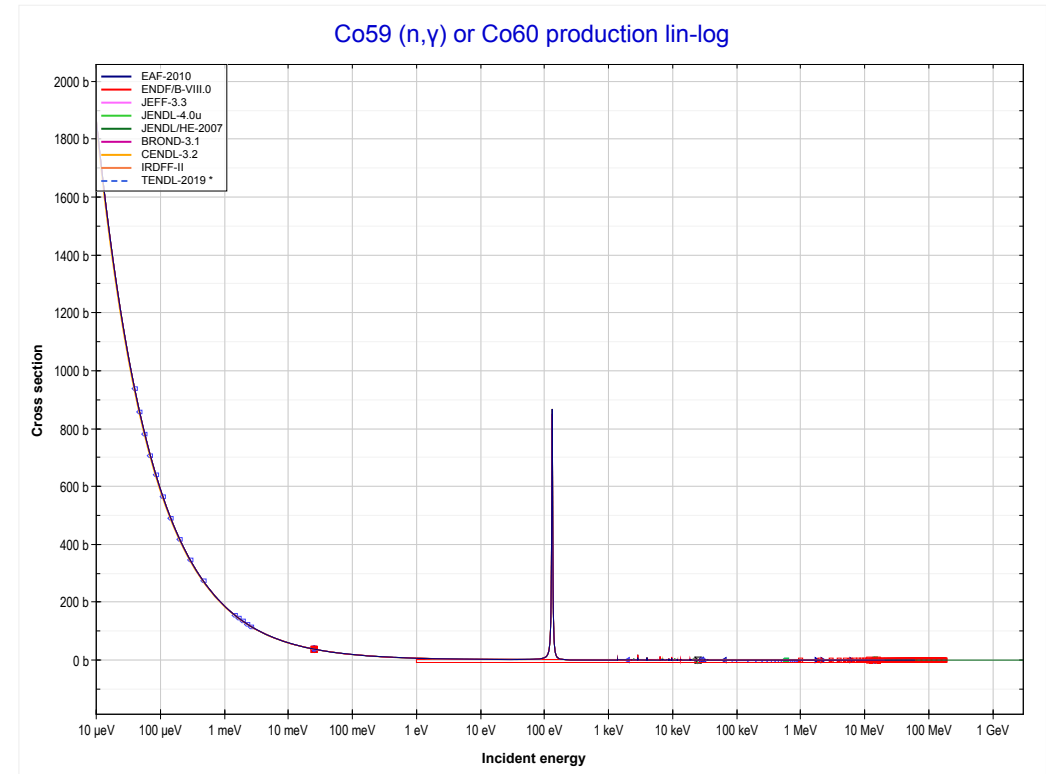
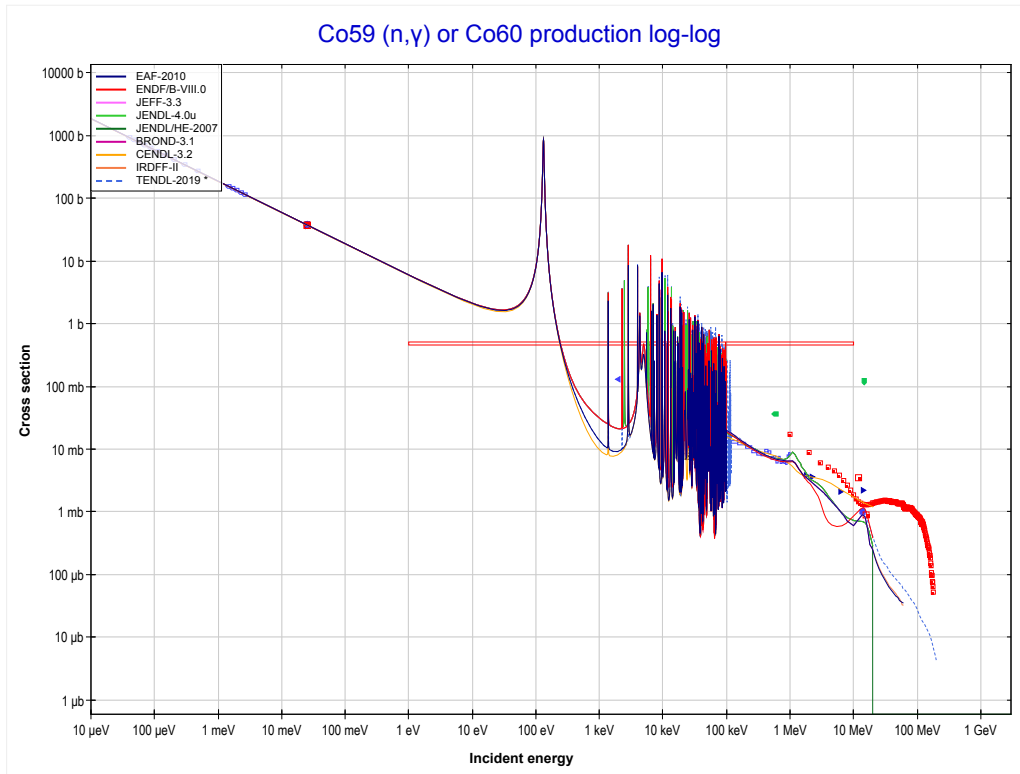
| Reaction | Q-Value |
|------------------------|---------------|
| Co59(n, α)Mn56 | 328.20 keV |
| Co59(n,p+t)Mn56 | -19485.66 keV |
| Co59(n,n+He3)Mn56 | -20249.42 keV |
| Co59(n,2d)Mn56 | -23518.33 keV |
| Co59(n,n+p+d)Mn56 | -25742.89 keV |
| Co59(n,2n+2p)Mn56 | -27967.46 keV |

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|--------------------------------|---|-------------------------|
| << 25-Mn-55 | 27-Co-59 | 39-Y-89 >> |
| << MT34 (n,n+ ³ He) | MT37 (n,4n) or MT5 (Co56 production) | MT102 (n, γ) >> |



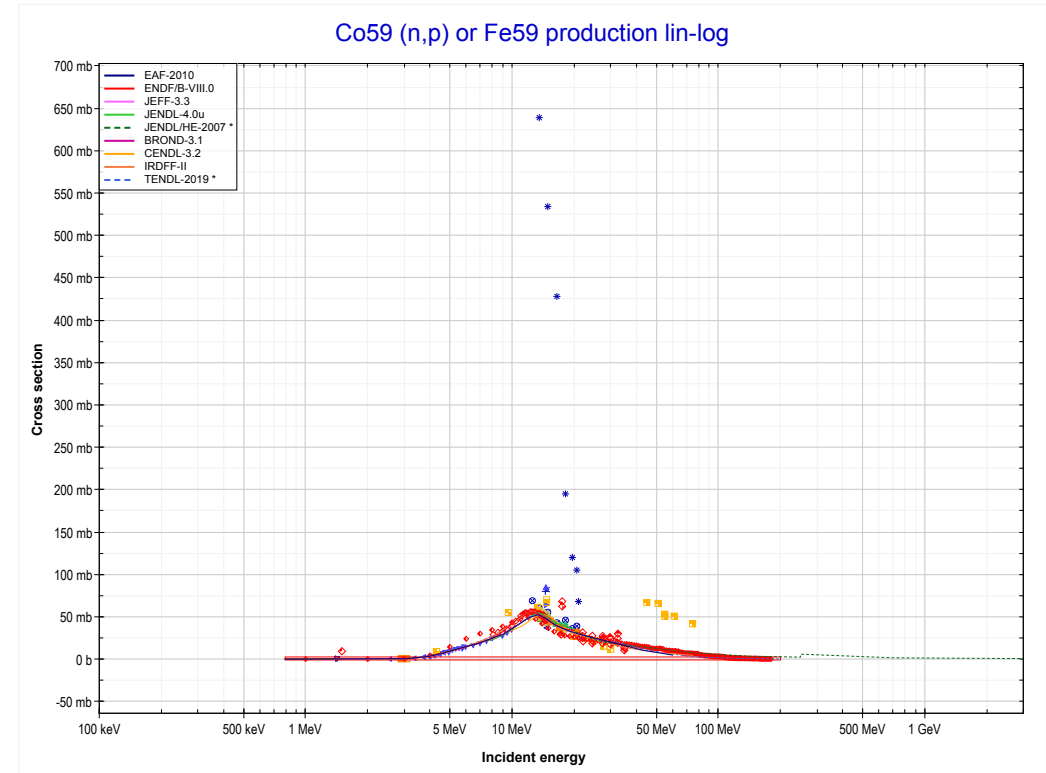
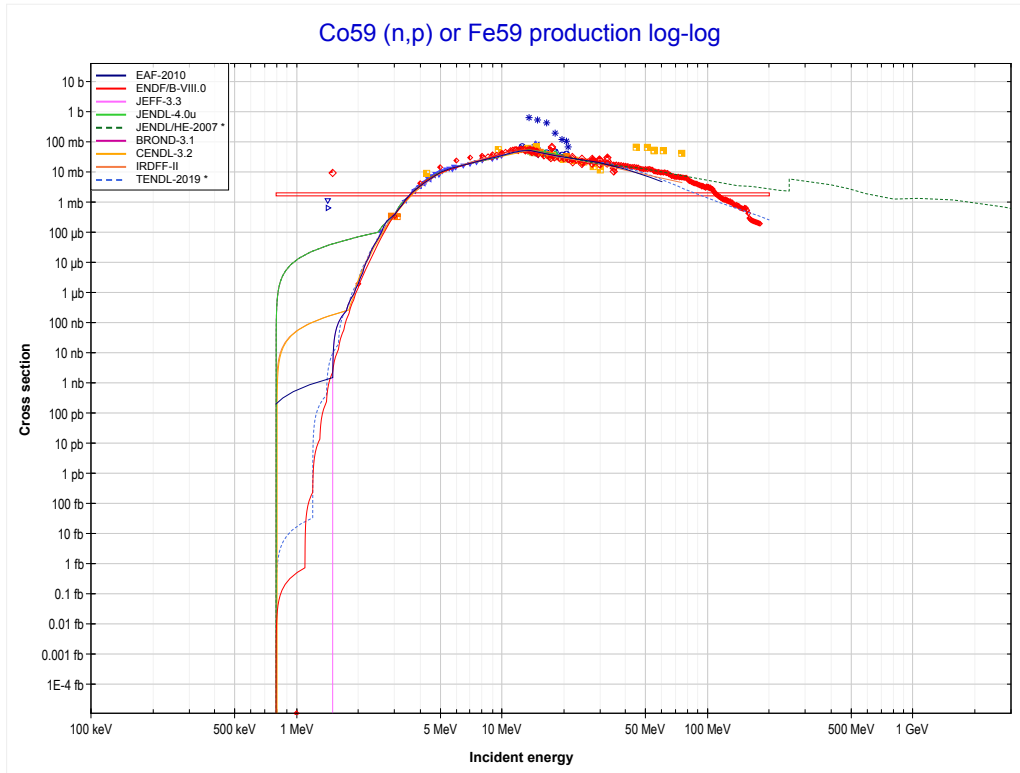
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Co59(n,4n)Co56 | -30403.25 keV |

| | | |
|----------------|---|----------------|
| << 27-Co-58m | 27-Co-59 | 27-Co-60 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Co60 production) | MT103 (n,p) >> |



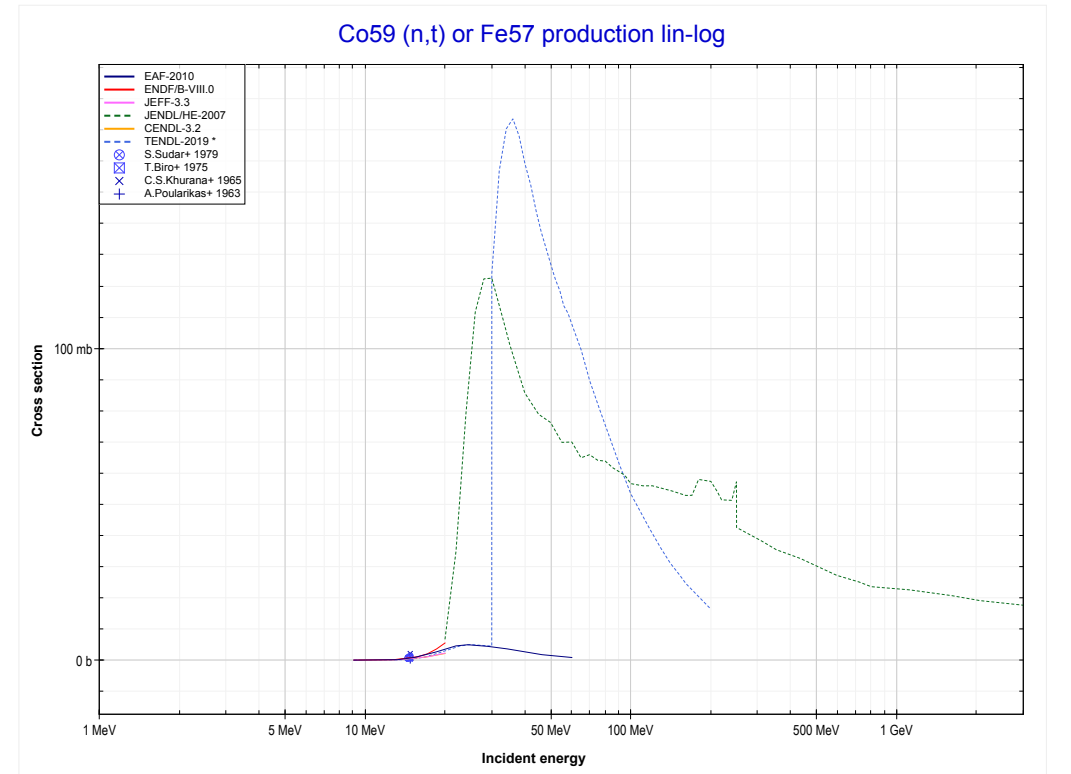
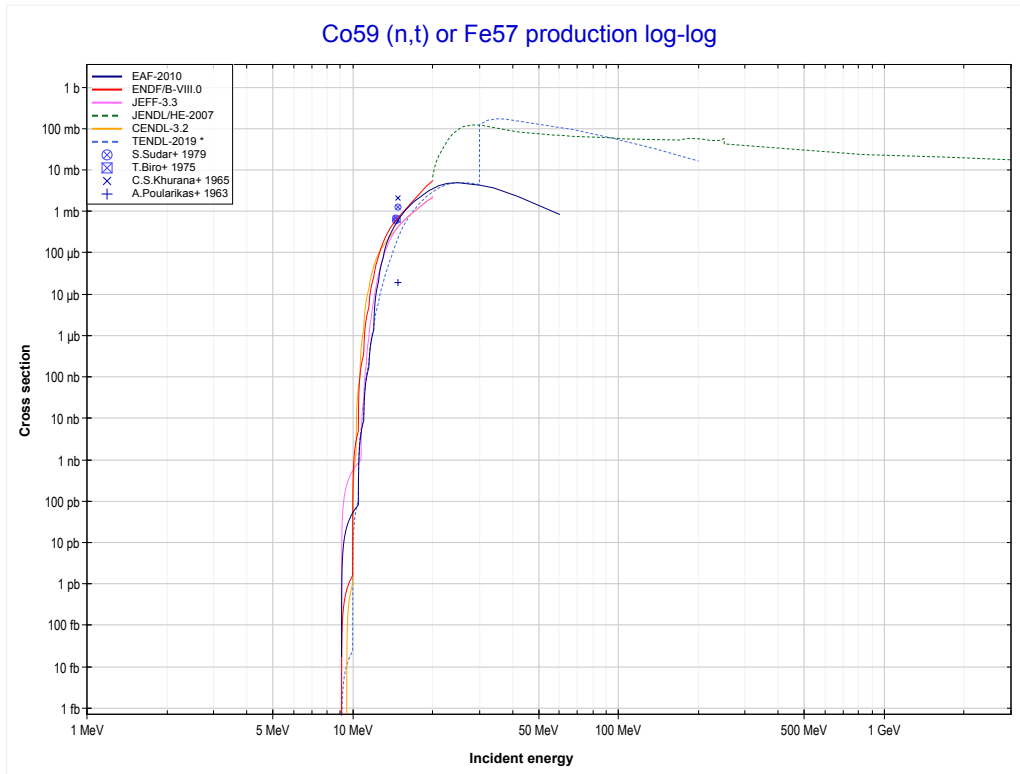
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 37.2258 b | 37.198 b | 37.197 b | 0.99997 | 75.4532 b | 0.00491281 b | 8.99996E-4 b |
| ENDF/B-VIII.0 | 37.1837 b | 37.1837 b | 37.203 b | 1.00051 | 75.8425 b | 0.00457552 b | 0.00116869 b |
| JEFF-3.3 | 37.1837 b | 37.1837 b | 37.203 b | 1.00051 | 75.8425 b | 0.00500143 b | 9E-4 b |
| JENDL-4.0u | 37.2102 b | 37.2102 b | 37.229 b | 1.00051 | 75.8916 b | 0.00560602 b | 6.9575E-4 b |
| JENDL/HE-2007 | 37.199 b | 37.199 b | 37.206 b | 1.0002 | 75.8141 b | 0.00560578 b | 6.9575E-4 b |
| BROND-3.1 | 37.2102 b | 37.2102 b | 37.229 b | 1.00051 | 75.8916 b | 0.00560602 b | 6.9575E-4 b |
| CENDL-3.2 | 36.6365 b | 36.6365 b | 36.642 b | 1.00015 | 74.9588 b | 0.0052609 b | 0.0014 b |
| IRDFF-II | 37.1775 b | 37.1775 b | 37.193 b | 1.00042 | 75.7679 b | 0.00500162 b | 9E-4 b |
| TENDL-2019 | 37.1885 b | 37.1885 b | 37.196 b | 1.00019 | 75.5179 b | 0.00501286 b | 8.99996E-4 b |

| | | |
|-------------------------|---|----------------|
| << 26-Fe-58 | 27-Co-59 | 28-Ni-58 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Fe59 production) | MT105 (n,t) >> |



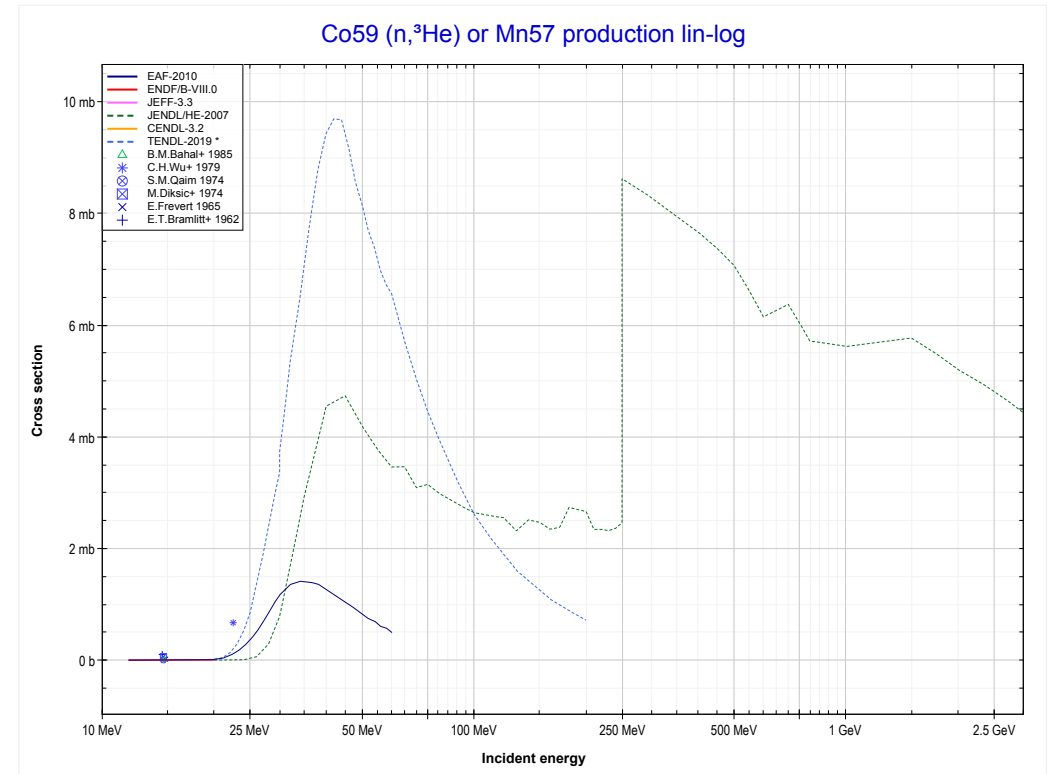
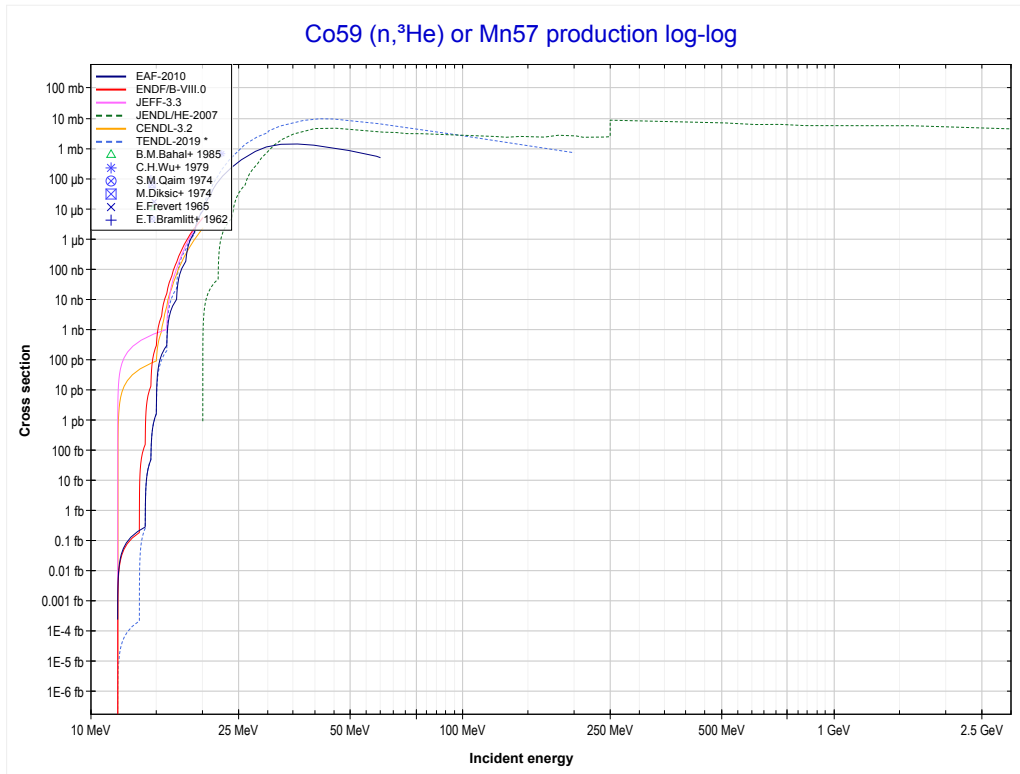
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152146 b | 0.0504 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00154053 b | 0.0507464 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152146 b | 0.0504 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00156981 b | 0.053 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00156981 b | 0.053 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00156981 b | 0.053 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147482 b | 0.0533 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00153927 b | 0.0504457 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00154084 b | 0.0504457 b |

| | | |
|----------------|---|-------------------------------|
| << 26-Fe-56 | 27-Co-59 | 28-Ni-58 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Fe57 production) | MT106 (n, ³ He) >> |



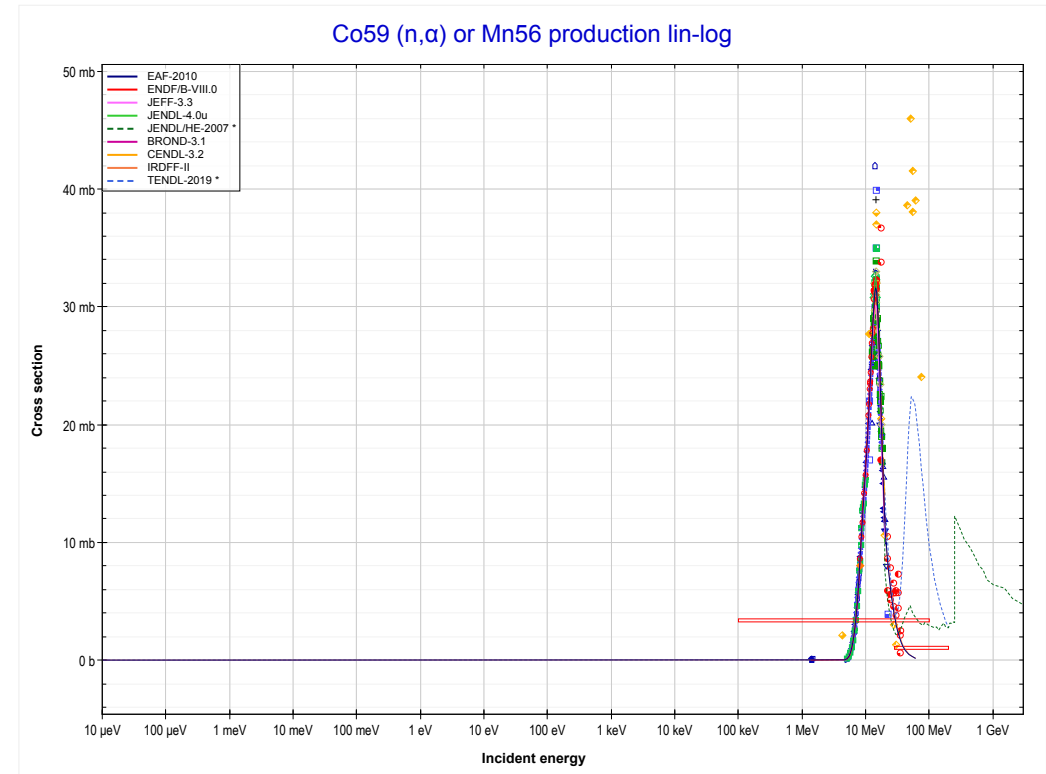
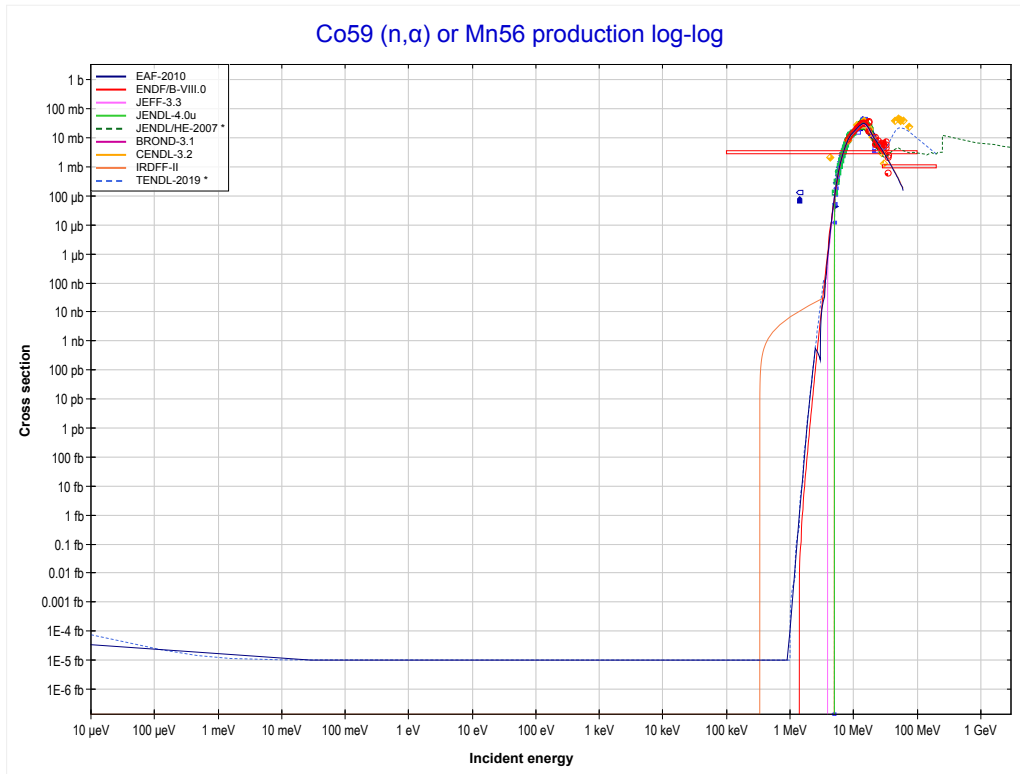
| Reaction | Q-Value |
|------------------|---------------|
| Co59(n,t)Fe57 | -8926.39 keV |
| Co59(n,n+d)Fe57 | -15183.62 keV |
| Co59(n,2n+p)Fe57 | -17408.19 keV |

| | | |
|----------------|--|----------------|
| << 25-Mn-55 | 27-Co-59 | 29-Cu-63 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Mn57 production) | MT107 (n,α) >> |



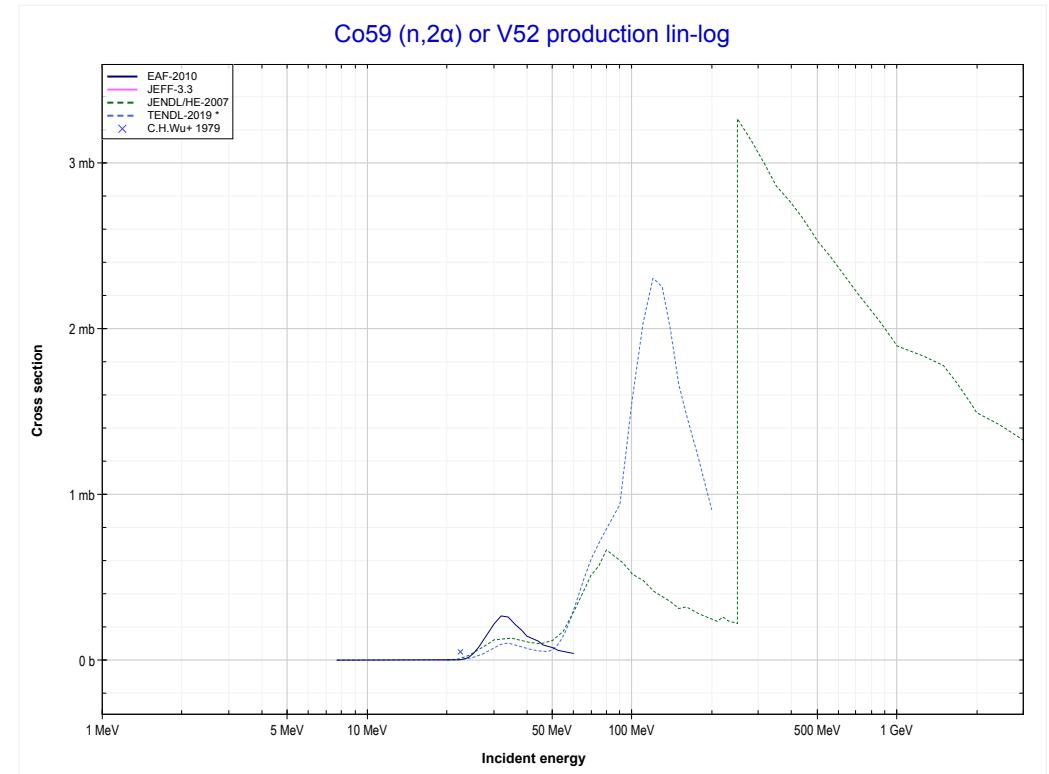
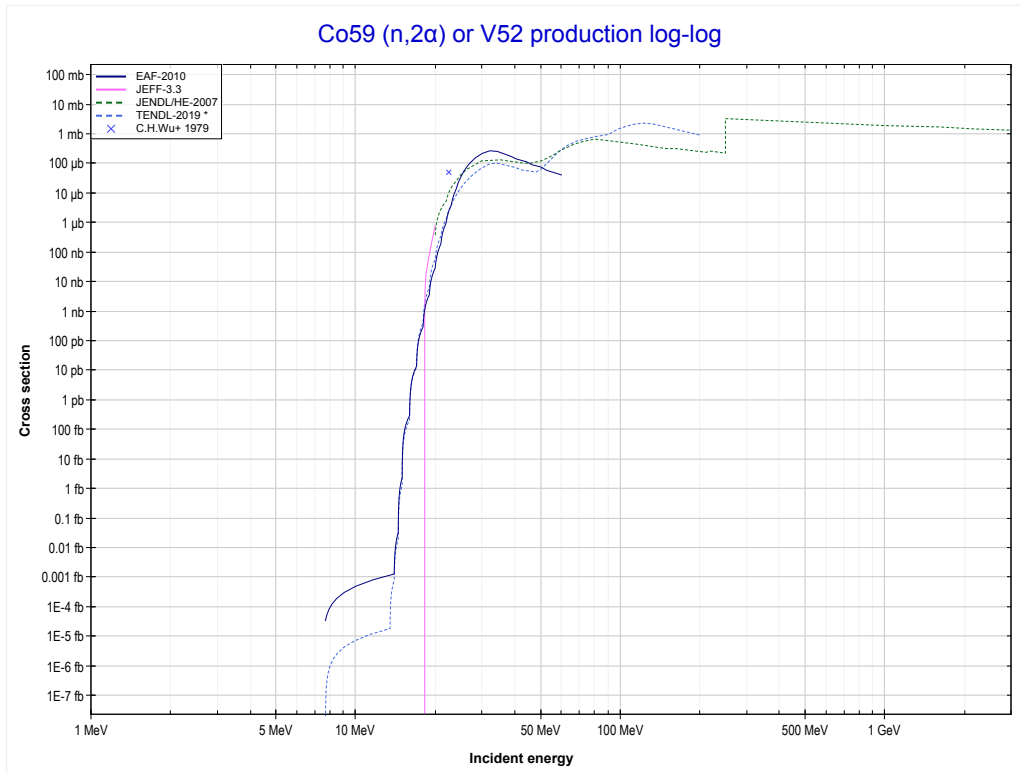
| Reaction | Q-Value |
|------------------|---------------|
| Co59(n,He3)Mn57 | -11603.30 keV |
| Co59(n,p+d)Mn57 | -17096.78 keV |
| Co59(n,n+2p)Mn57 | -19321.34 keV |

| | | |
|-------------------------------|---|--------------------------|
| << 26-Fe-58 | 27-Co-59 | 28-Ni-58 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Mn56 production) | MT108 (n, 2α) >> |



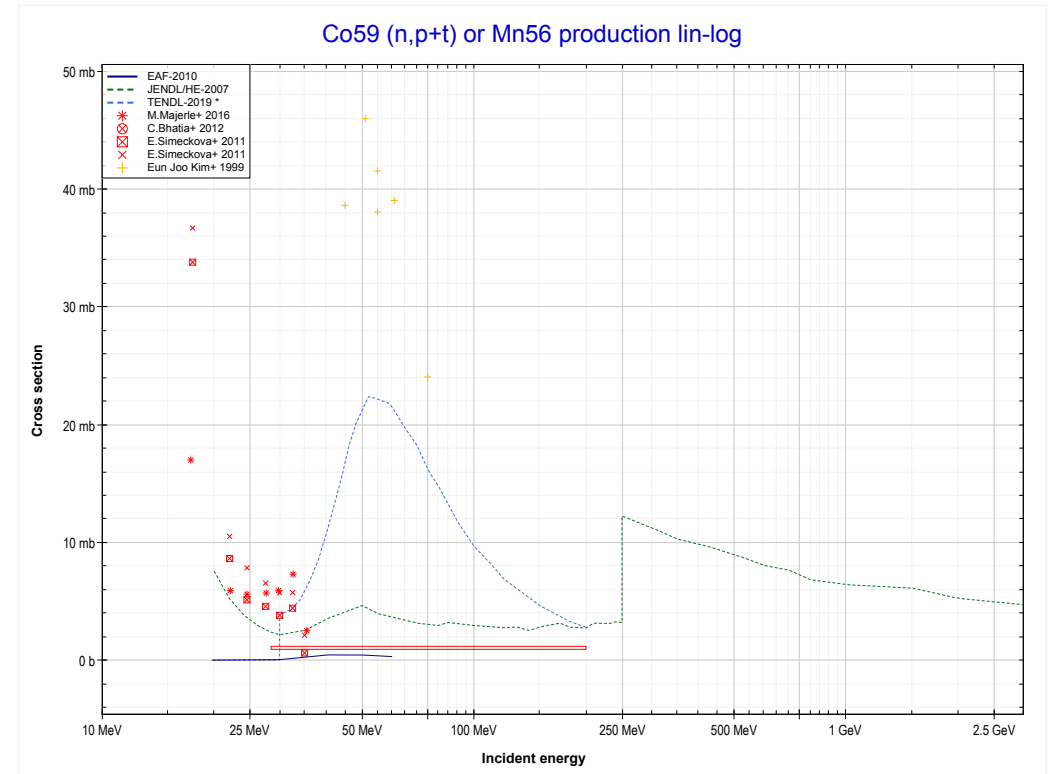
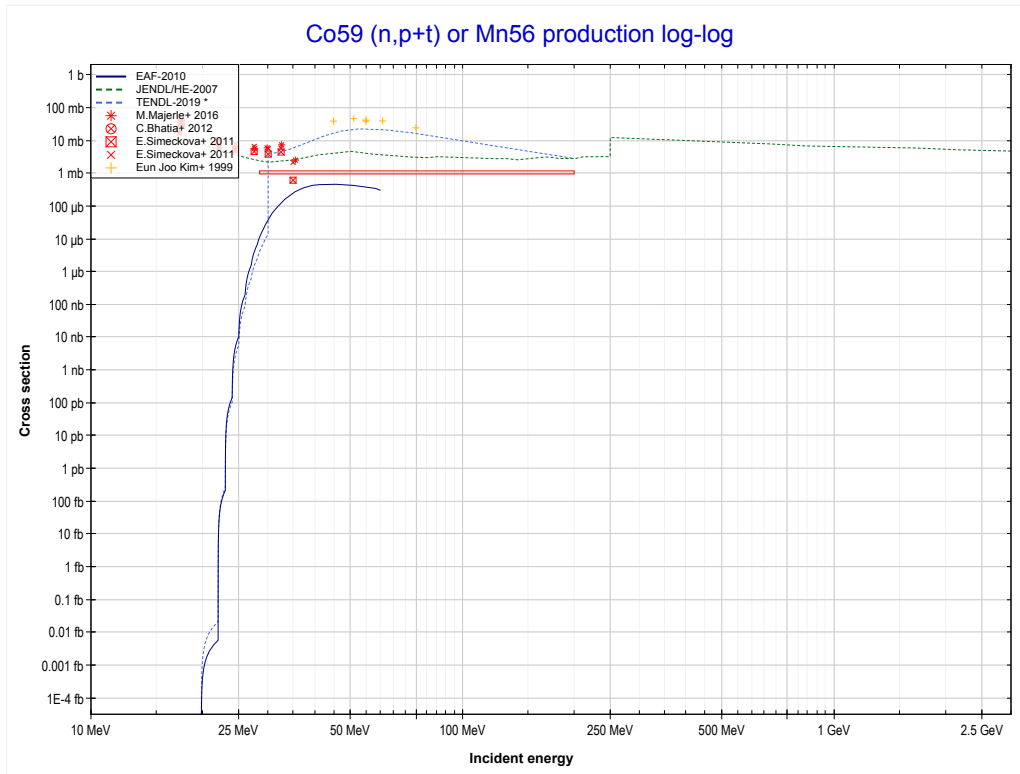
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1601E-20 b | 1.161 | 1.2208E-19 b | 1.92643E-4 b | 0.0313047 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.91926E-4 b | 0.0304764 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.88332E-4 b | 0.029885 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.01116E-4 b | 0.0322 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01116E-4 b | 0.0322 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01116E-4 b | 0.0322 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92966E-4 b | 0.030099 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 1.92651E-4 b | 0.0312888 b |
| TENDL-2019 | 1.0086E-20 b | 1.0086E-20 b | 1.1381E-20 b | 1.12837 | 1.22086E-19 b | 1.92583E-4 b | 0.031289 b |

| | | |
|-------------------------|---|------------------|
| << 25-Mn-55 | 27-Co-59 | 30-Zn-66 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (V52 production) | MT116 (n,p+t) >> |



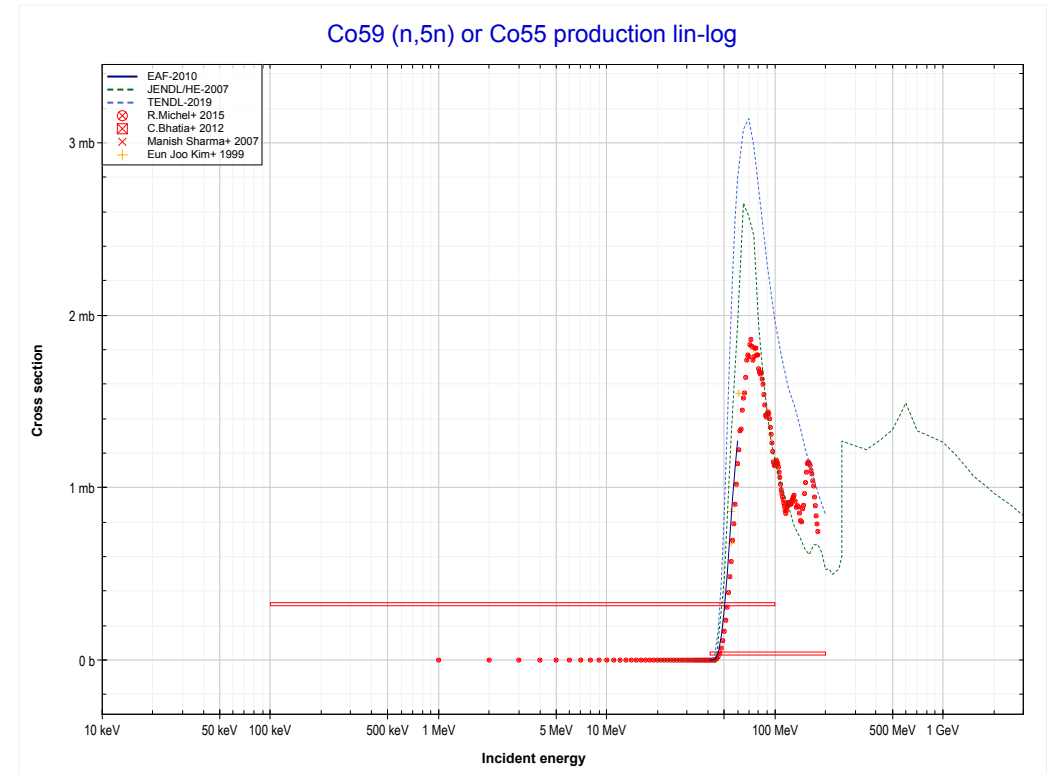
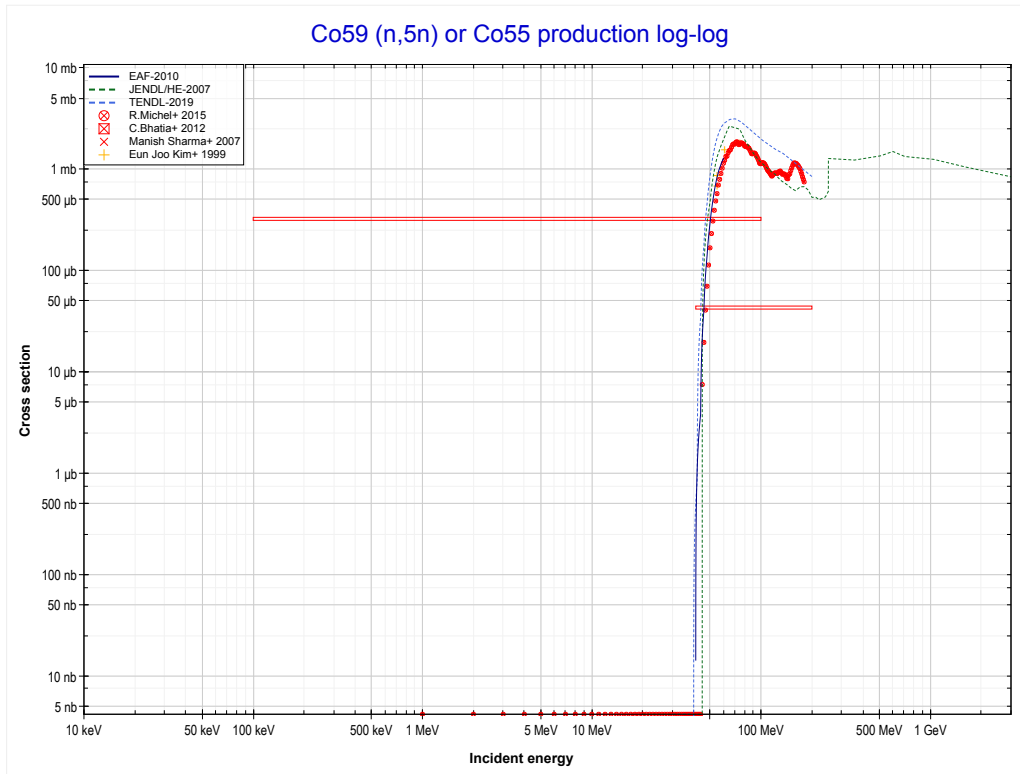
| Reaction | Q-Value | Reaction | Q-Value |
|-----------------------------|---------------|-----------------------|---------------|
| Co59(n,2 α)V52 | -7564.41 keV | Co59(n,n+p+t+He3)V52 | -47955.90 keV |
| Co59(n,p+t+ α)V52 | -27378.28 keV | Co59(n,2n+2He3)V52 | -48719.65 keV |
| Co59(n,n+He3+ α)V52 | -28142.03 keV | Co59(n,p+2d+t)V52 | -51224.81 keV |
| Co59(n,2d+ α)V52 | -31410.94 keV | Co59(n,n+2d+He3)V52 | -51988.56 keV |
| Co59(n,n+p+d+ α)V52 | -33635.51 keV | Co59(n,n+2p+d+t)V52 | -53449.37 keV |
| Co59(n,2n+2p+ α)V52 | -35860.07 keV | Co59(n,2n+p+d+He3)V52 | -54213.13 keV |
| Co59(n,d+t+He3)V52 | -45731.33 keV | Co59(n,4d)V52 | -55257.47 keV |
| Co59(n,2p+2t)V52 | -47192.14 keV | Co59(n,2n+3p+t)V52 | -55673.94 keV |

| | | |
|-----------------|---|-----------------|
| << 23-V-51 | 27-Co-59 | 53-I-127 >> |
| << MT108 (n,2α) | MT116 (n,p+t) or MT5 (Mn56 production) | MT152 (n,5n) >> |



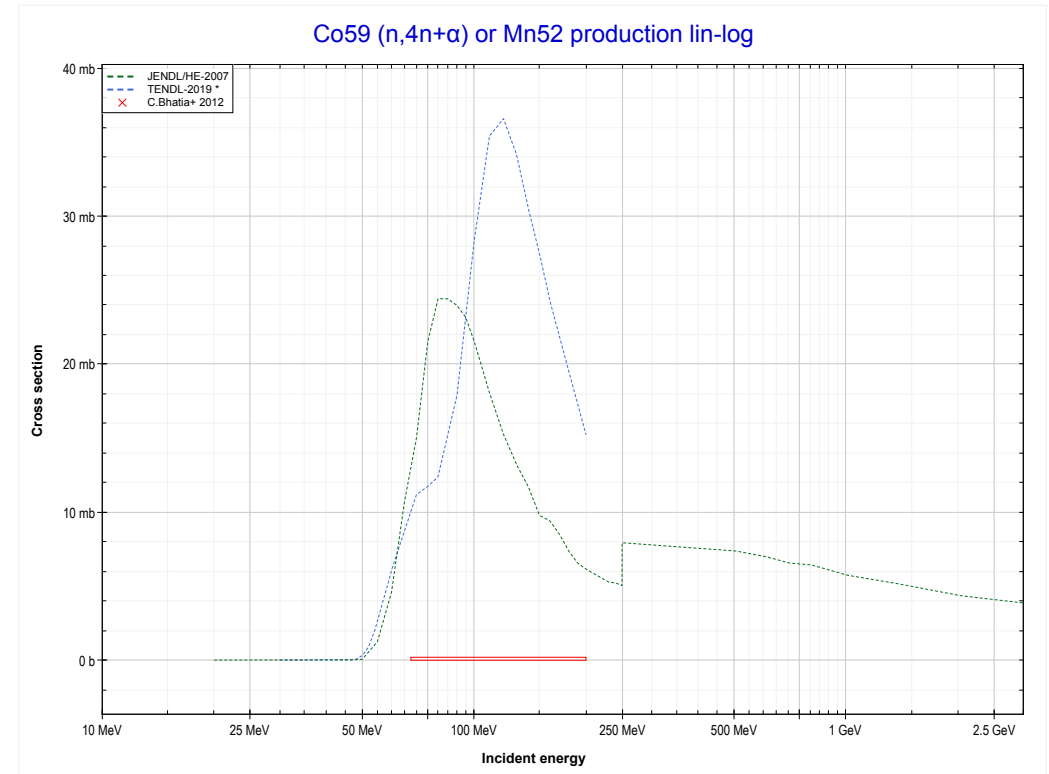
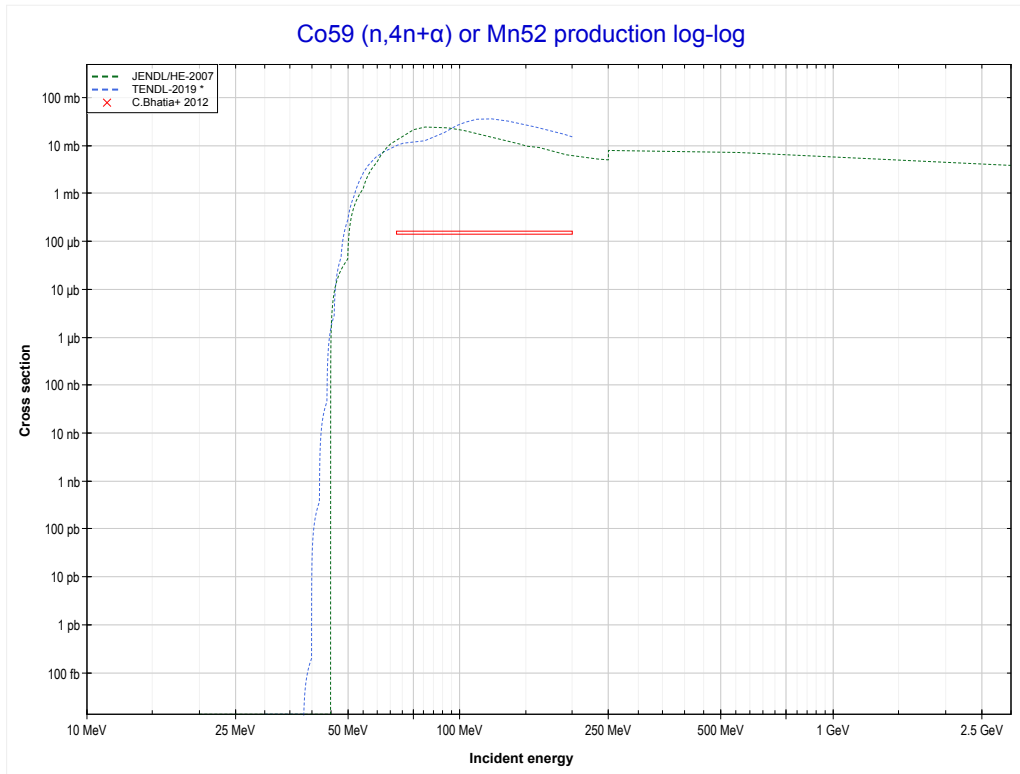
| Reaction | Q-Value |
|-------------------|---------------|
| Co59(n,α)Mn56 | 328.20 keV |
| Co59(n,p+t)Mn56 | -19485.66 keV |
| Co59(n,n+He3)Mn56 | -20249.42 keV |
| Co59(n,2d)Mn56 | -23518.33 keV |
| Co59(n,n+p+d)Mn56 | -25742.89 keV |
| Co59(n,2n+2p)Mn56 | -27967.46 keV |

| | | |
|------------------|--|-------------------|
| | 27-Co-59 | 53-I-127 >> |
| << MT116 (n,p+t) | MT152 (n,5n) or MT5 (Co55 production) | MT165 (n,4n+α) >> |



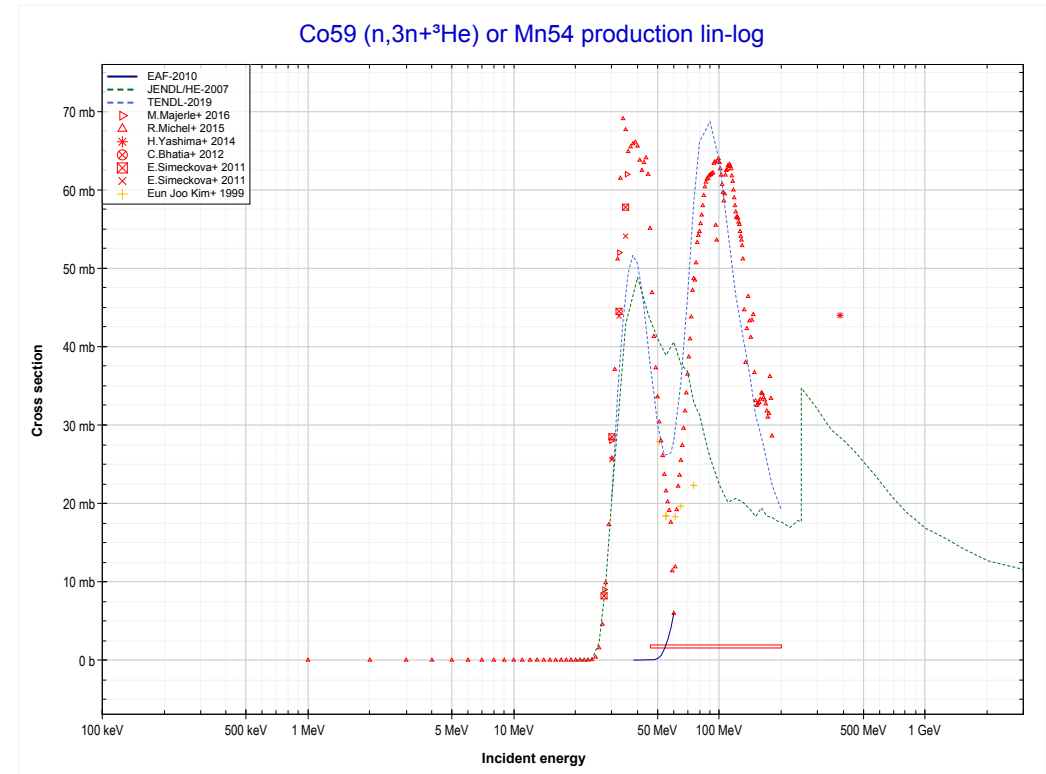
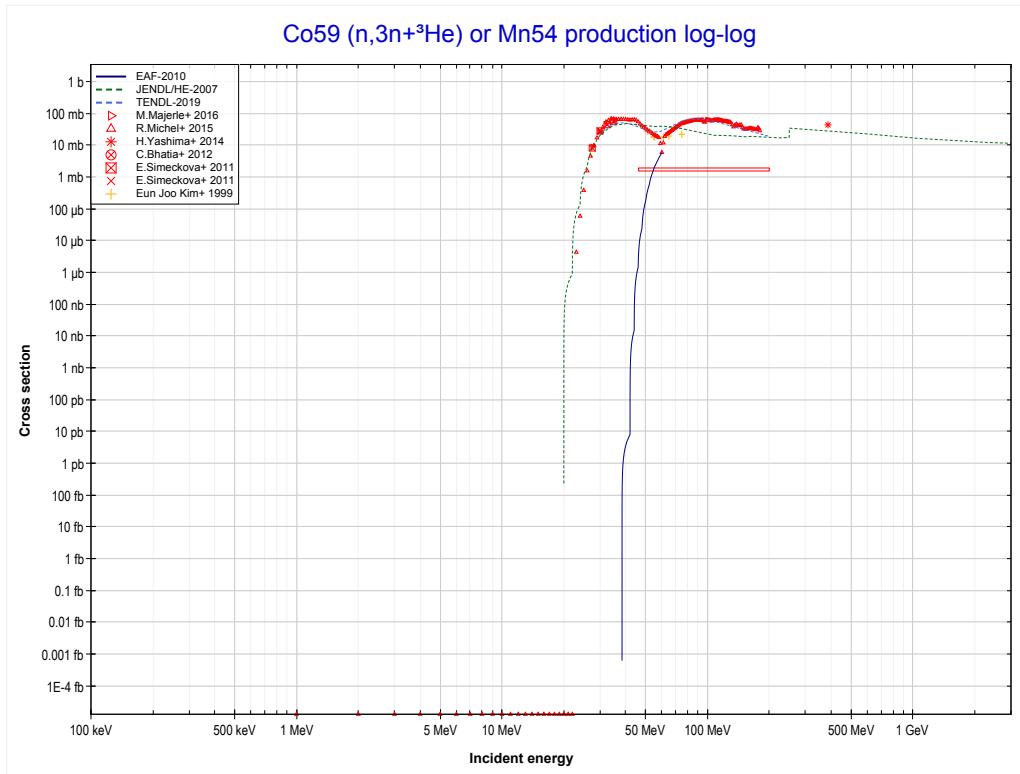
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Co59(n,5n)Co55 | -40485.07 keV |

| | | |
|-----------------|--|----------------------------------|
| | 27-Co-59 | |
| << MT152 (n,5n) | MT165 (n,4n+α) or MT5 (Mn52 production) | MT177 (n,3n+ ³ He) >> |



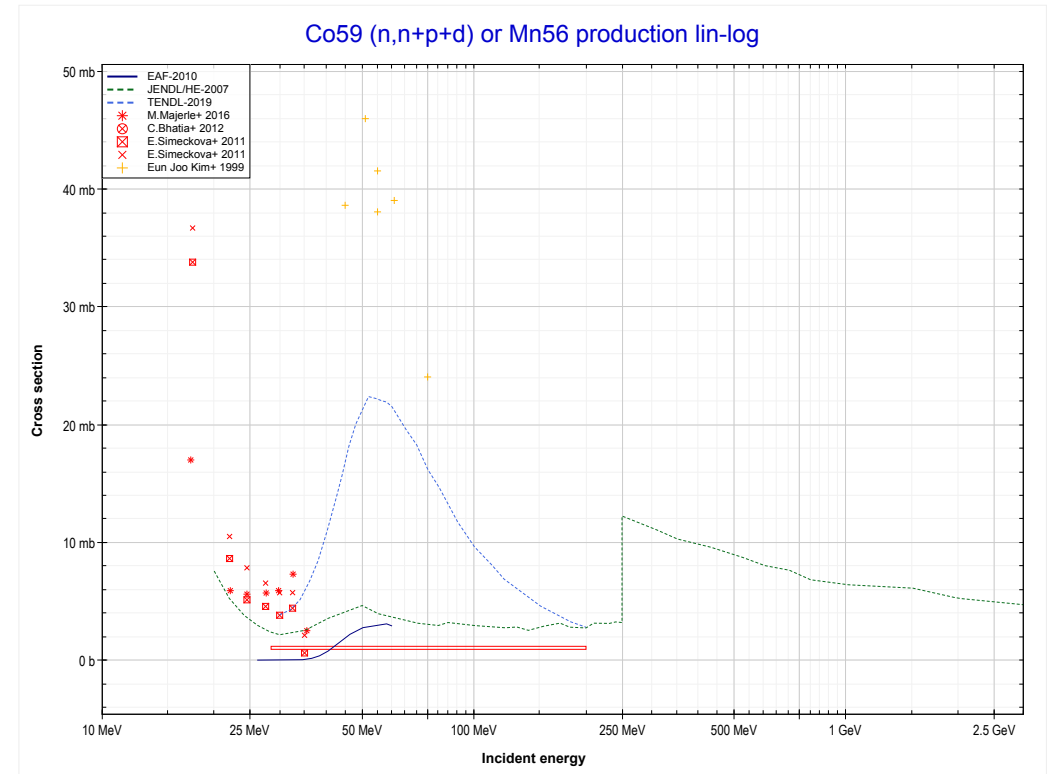
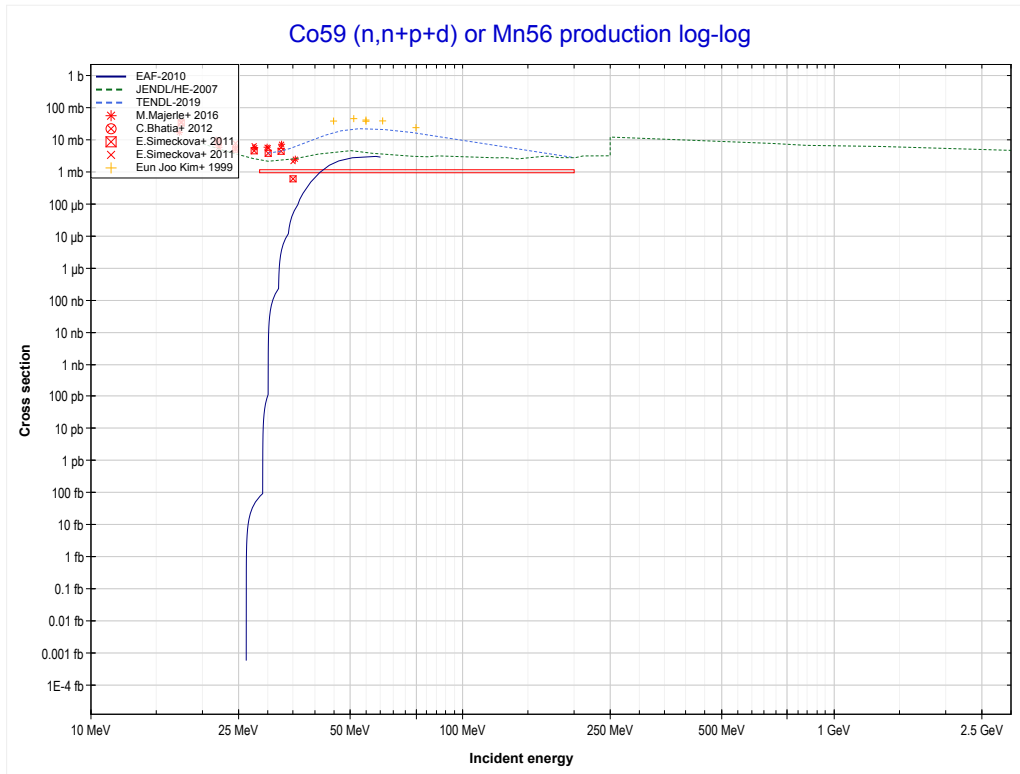
| Reaction | Q-Value |
|--------------------|---------------|
| Co59(n,4n+α)Mn52 | -38161.27 keV |
| Co59(n,2n+2t)Mn52 | -49493.34 keV |
| Co59(n,3n+d+t)Mn52 | -55750.57 keV |
| Co59(n,4n+p+t)Mn52 | -57975.13 keV |
| Co59(n,5n+He3)Mn52 | -58738.89 keV |
| Co59(n,4n+2d)Mn52 | -62007.79 keV |
| Co59(n,5n+p+d)Mn52 | -64232.36 keV |
| Co59(n,6n+2p)Mn52 | -66456.93 keV |

| | | |
|-------------------|---|--------------------|
| << 23-V-51 | 27-Co-59 | 41-Nb-93 >> |
| << MT165 (n,4n+α) | MT177 (n,3n+³He) or MT5 (Mn54 production) | MT183 (n,n+p+d) >> |



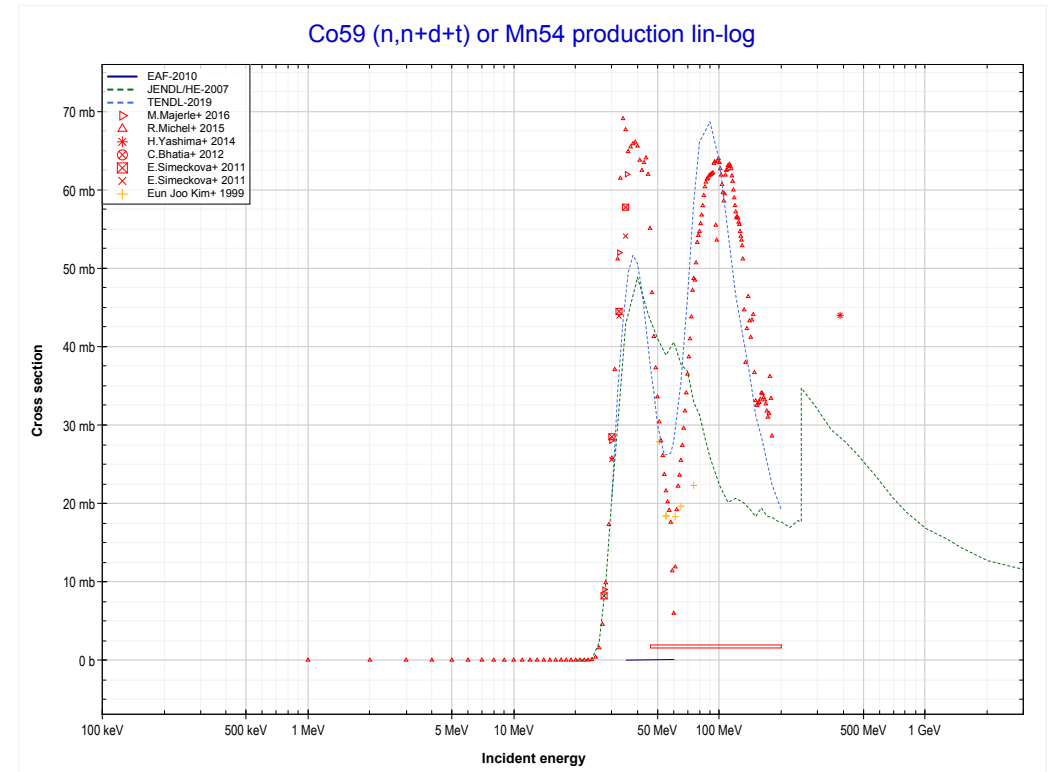
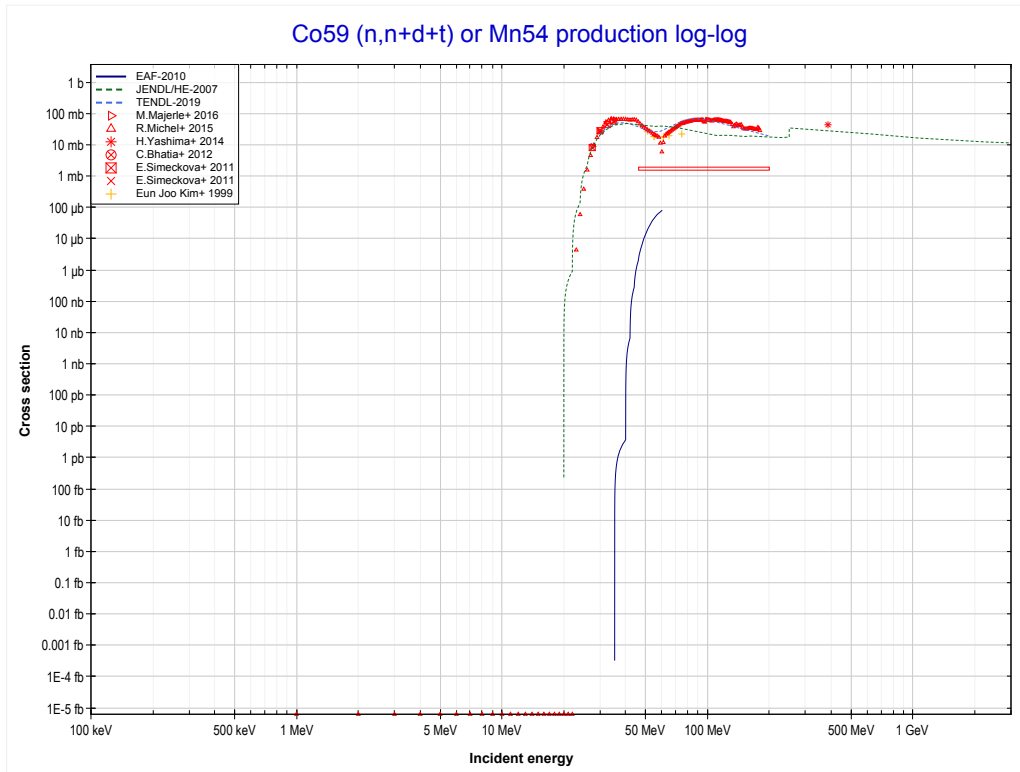
| Reaction | Q-Value |
|--------------------|---------------|
| Co59(n,2n+α)Mn54 | -17168.33 keV |
| Co59(n,2t)Mn54 | -28500.40 keV |
| Co59(n,n+d+t)Mn54 | -34757.63 keV |
| Co59(n,2n+p+t)Mn54 | -36982.20 keV |
| Co59(n,3n+He3)Mn54 | -37745.95 keV |
| Co59(n,2n+2d)Mn54 | -41014.86 keV |
| Co59(n,3n+p+d)Mn54 | -43239.43 keV |
| Co59(n,4n+2p)Mn54 | -45463.99 keV |

| | | |
|----------------------------------|---|--------------------|
| << 23-V-51 | 27-Co-59 | 53-I-127 >> |
| << MT177 (n,3n+ ³ He) | MT183 (n,n+p+d) or MT5 (Mn56 production) | MT185 (n,n+d+t) >> |



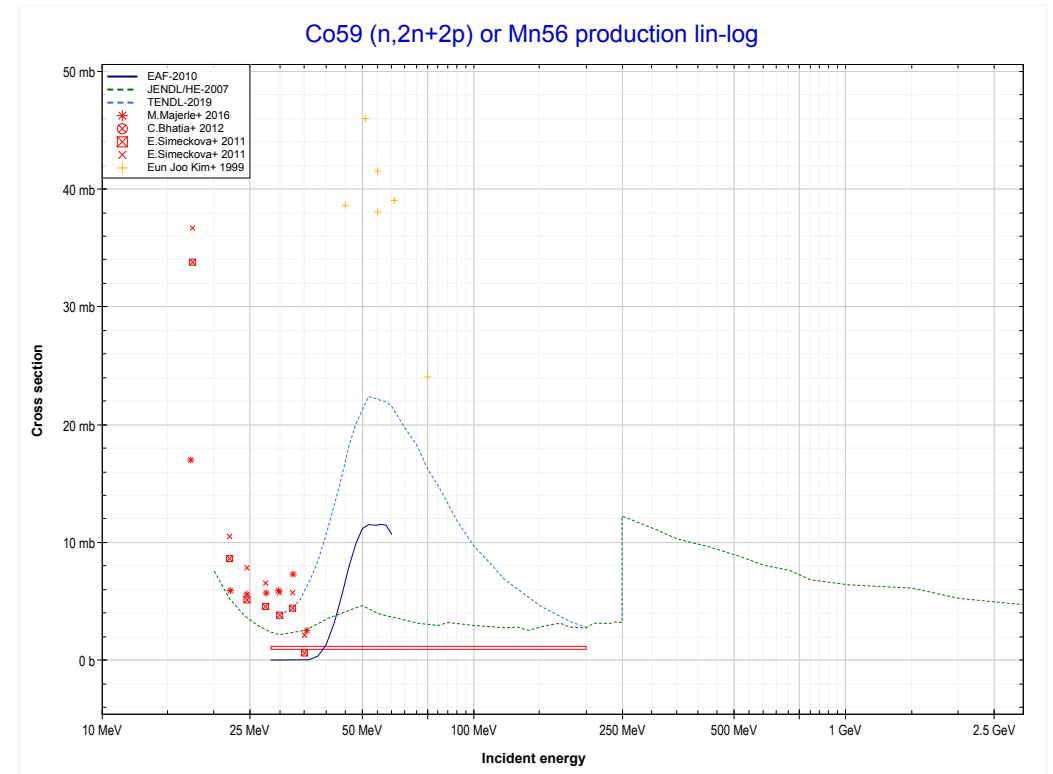
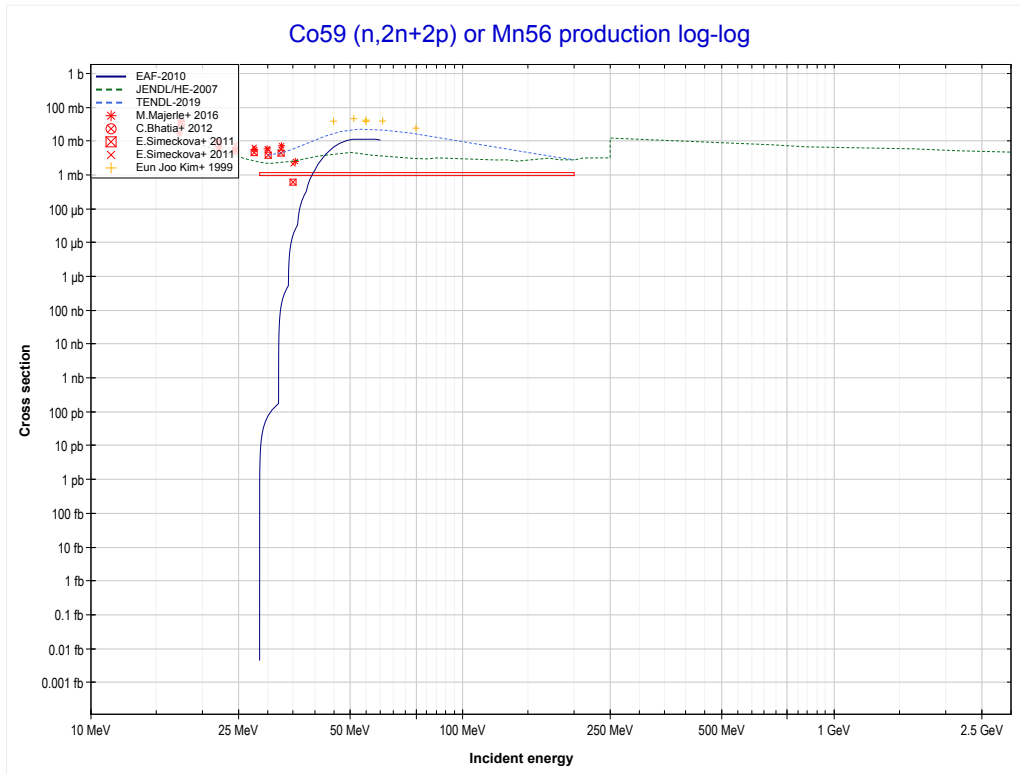
| Reaction | Q-Value |
|------------------------|---------------|
| Co59(n, α)Mn56 | 328.20 keV |
| Co59(n,p+t)Mn56 | -19485.66 keV |
| Co59(n,n+He3)Mn56 | -20249.42 keV |
| Co59(n,2d)Mn56 | -23518.33 keV |
| Co59(n,n+p+d)Mn56 | -25742.89 keV |
| Co59(n,2n+2p)Mn56 | -27967.46 keV |

| | | |
|--------------------|---|--------------------|
| << 23-V-51 | 27-Co-59 | 41-Nb-93 >> |
| << MT183 (n,n+p+d) | MT185 (n,n+d+t) or MT5 (Mn54 production) | MT190 (n,2n+2p) >> |



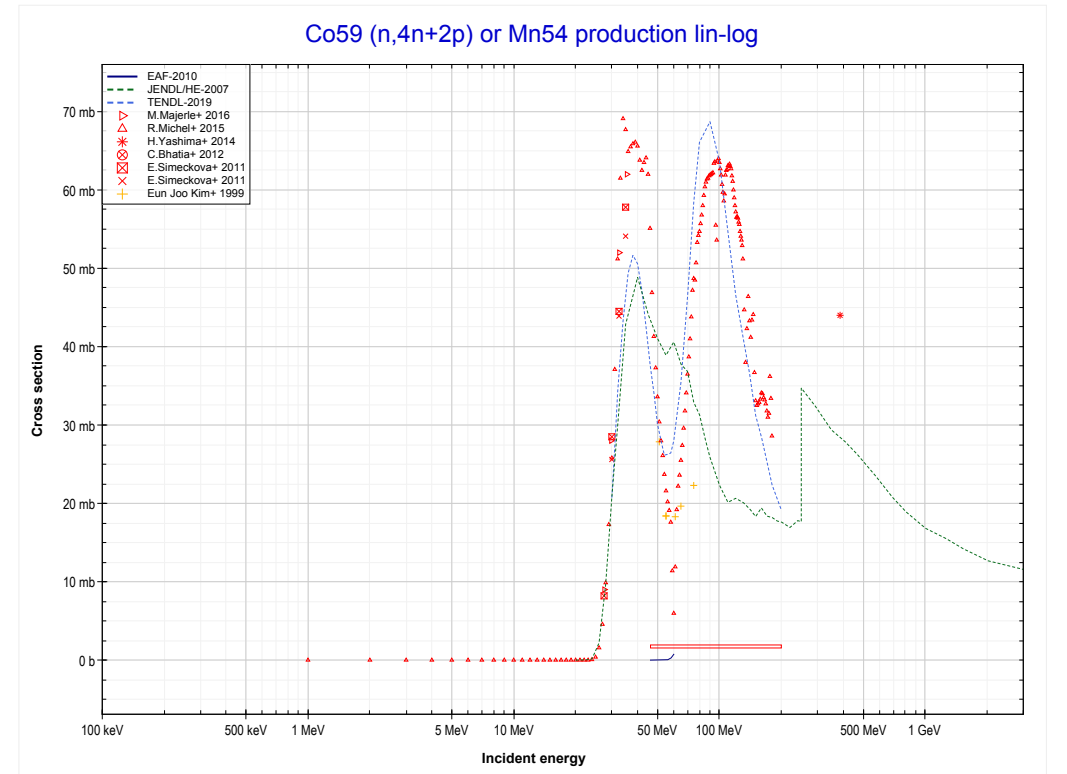
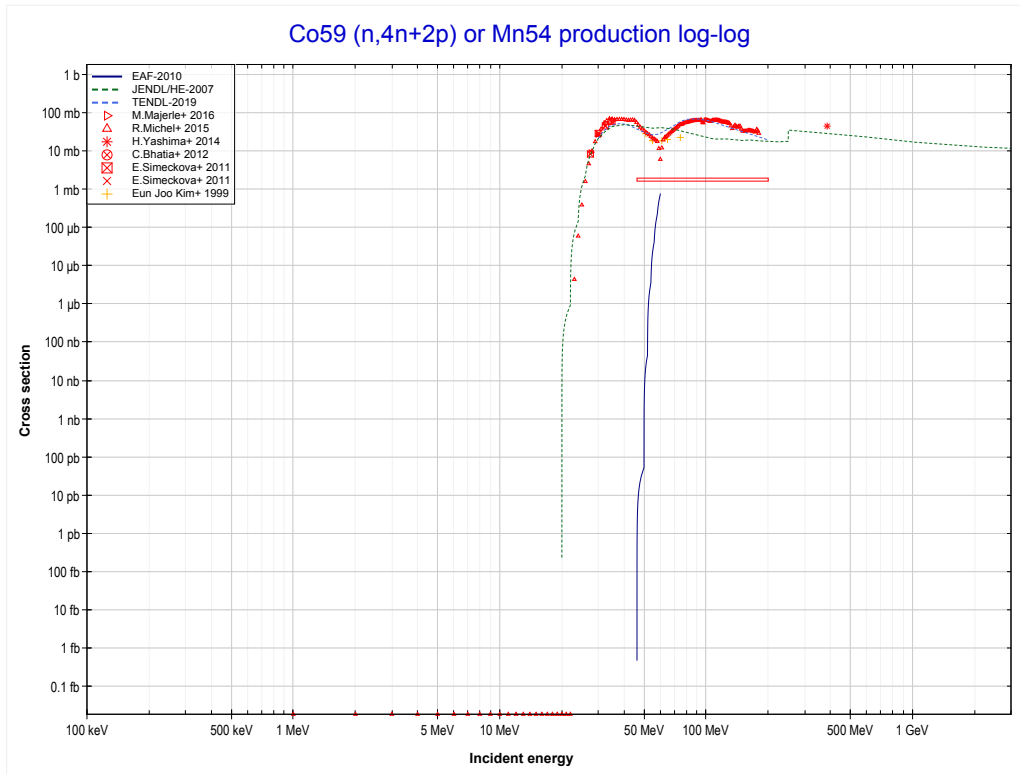
| Reaction | Q-Value |
|--------------------|---------------|
| Co59(n,2n+α)Mn54 | -17168.33 keV |
| Co59(n,2t)Mn54 | -28500.40 keV |
| Co59(n,n+d+t)Mn54 | -34757.63 keV |
| Co59(n,2n+p+t)Mn54 | -36982.20 keV |
| Co59(n,3n+He3)Mn54 | -37745.95 keV |
| Co59(n,2n+2d)Mn54 | -41014.86 keV |
| Co59(n,3n+p+d)Mn54 | -43239.43 keV |
| Co59(n,4n+2p)Mn54 | -45463.99 keV |

| | | |
|--------------------|---|--------------------|
| << 23-V-51 | 27-Co-59 | 53-I-127 >> |
| << MT185 (n,n+d+t) | MT190 (n,2n+2p) or MT5 (Mn56 production) | MT194 (n,4n+2p) >> |



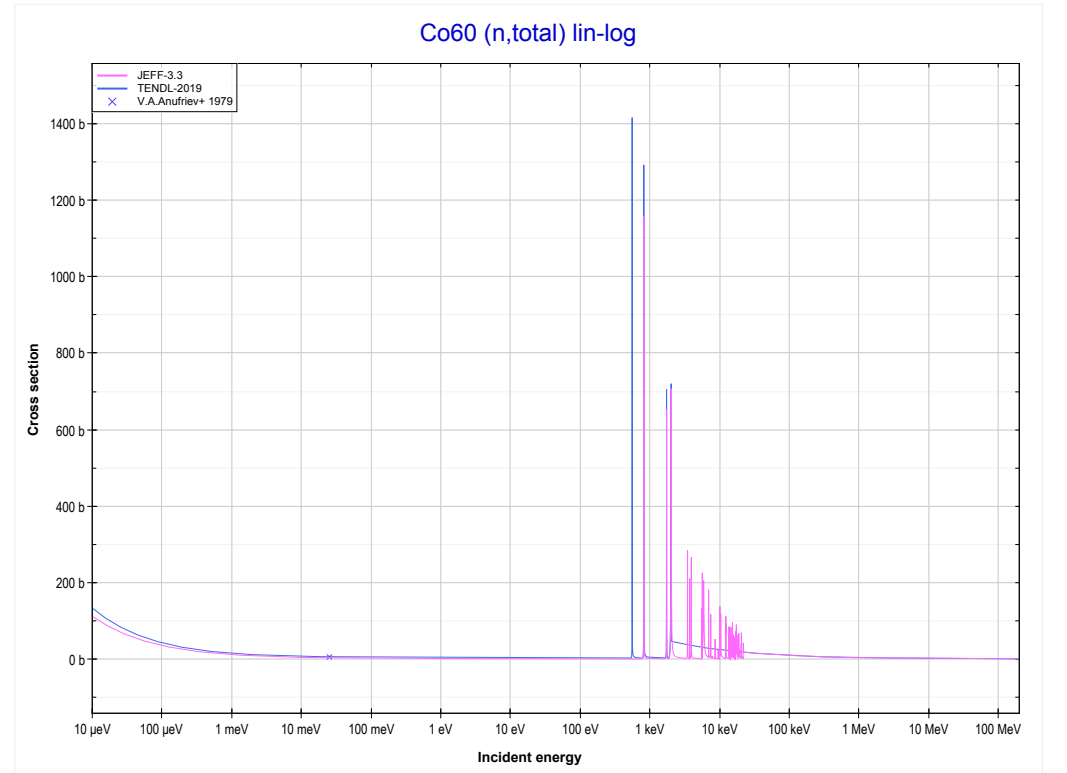
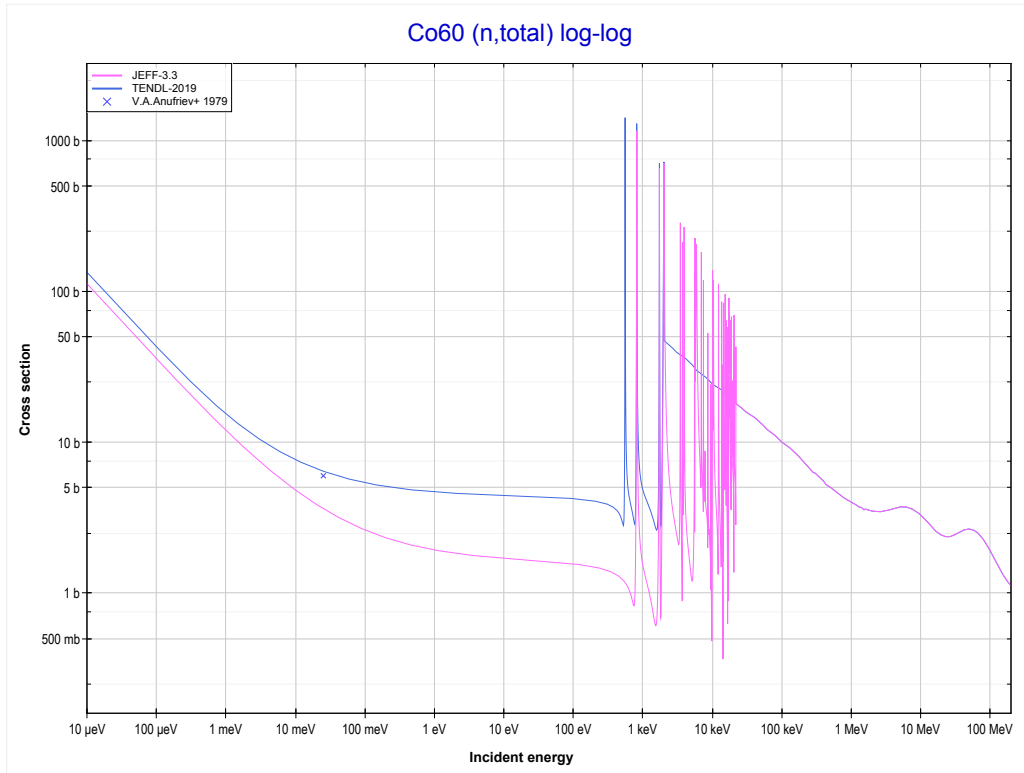
| Reaction | Q-Value |
|------------------------|---------------|
| Co59(n, α)Mn56 | 328.20 keV |
| Co59(n,p+t)Mn56 | -19485.66 keV |
| Co59(n,n+He3)Mn56 | -20249.42 keV |
| Co59(n,2d)Mn56 | -23518.33 keV |
| Co59(n,n+p+d)Mn56 | -25742.89 keV |
| Co59(n,2n+2p)Mn56 | -27967.46 keV |

| | | |
|--------------------|---|---------------------------|
| << 23-V-51 | 27-Co-59 | 41-Nb-93 >> |
| << MT190 (n,2n+2p) | MT194 (n,4n+2p) or MT5 (Mn54 production) | 27-Co-60 MT1 (n,total) >> |



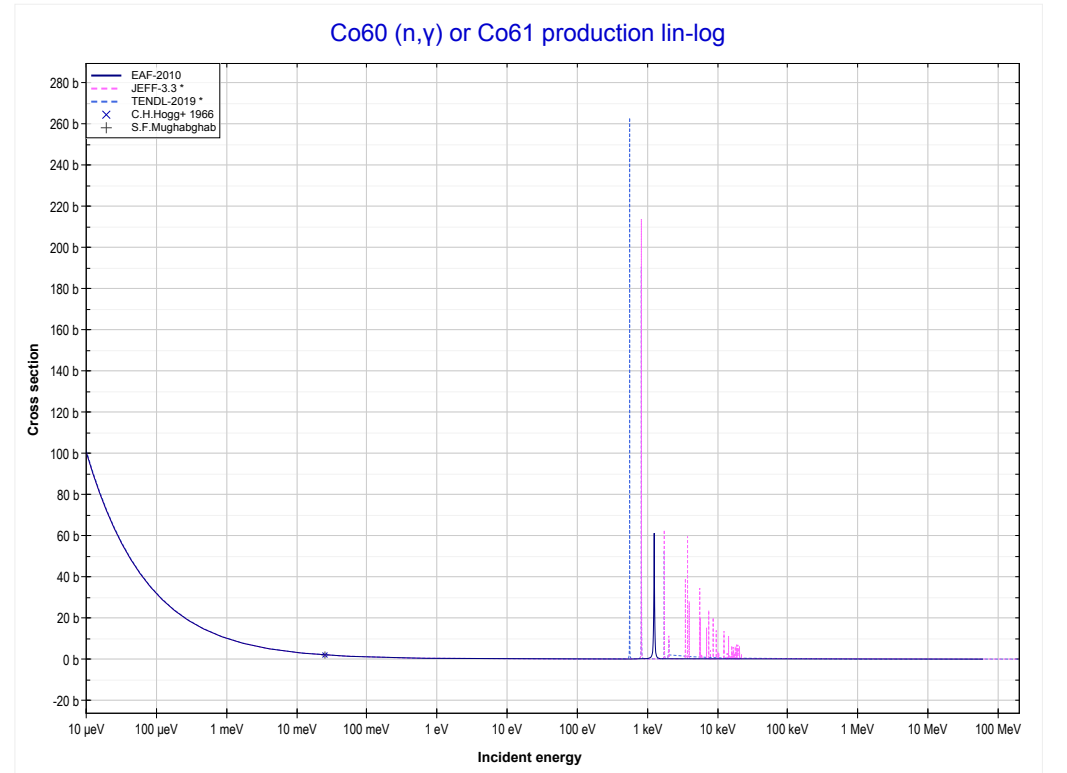
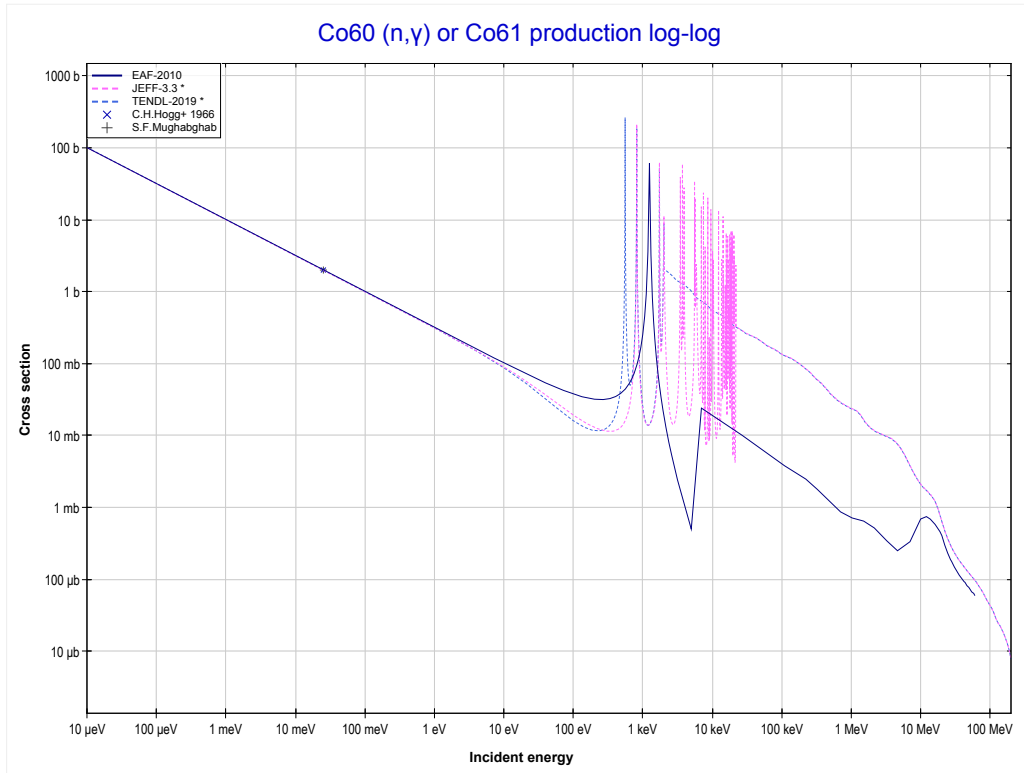
| Reaction | Q-Value |
|--------------------|---------------|
| Co59(n,2n+α)Mn54 | -17168.33 keV |
| Co59(n,2t)Mn54 | -28500.40 keV |
| Co59(n,n+d+t)Mn54 | -34757.63 keV |
| Co59(n,2n+p+t)Mn54 | -36982.20 keV |
| Co59(n,3n+He3)Mn54 | -37745.95 keV |
| Co59(n,2n+2d)Mn54 | -41014.86 keV |
| Co59(n,3n+p+d)Mn54 | -43239.43 keV |
| Co59(n,4n+2p)Mn54 | -45463.99 keV |

| | | |
|-----------------------------|----------------------|-------------------------|
| << 27-Co-59 | 27-Co-60 | 28-Ni-58 >> |
| << 27-Co-59 MT194 (n,4n+2p) | MT1 (n,total) | MT102 (n, γ) >> |



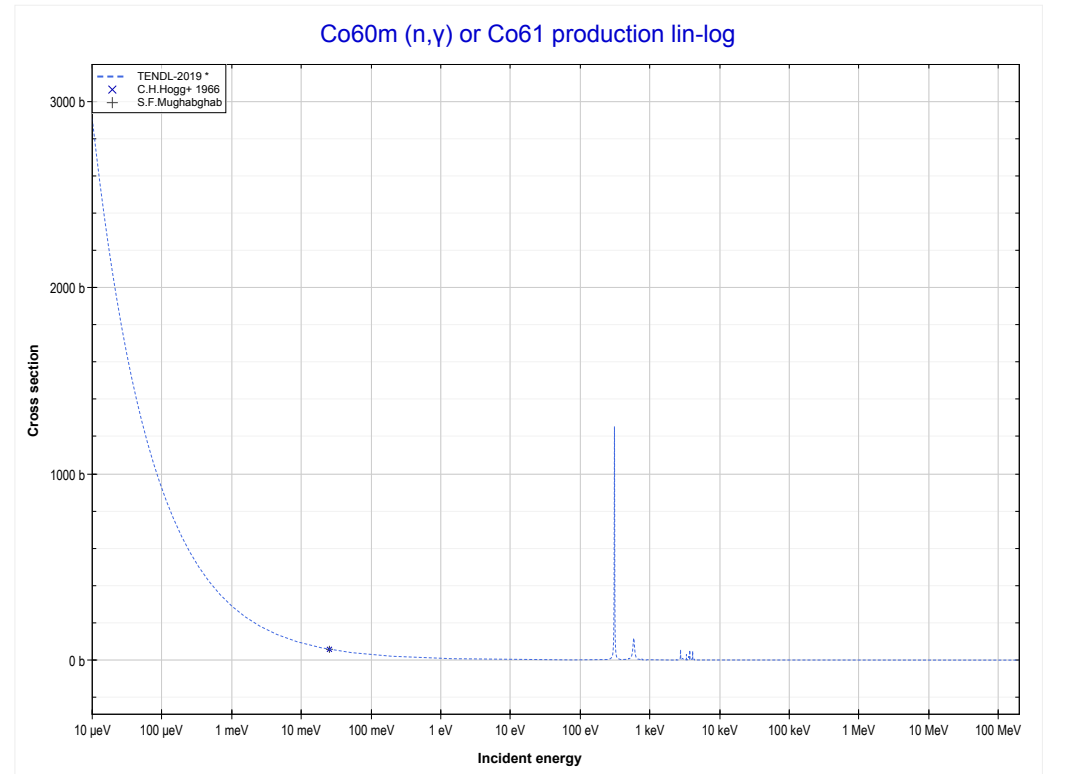
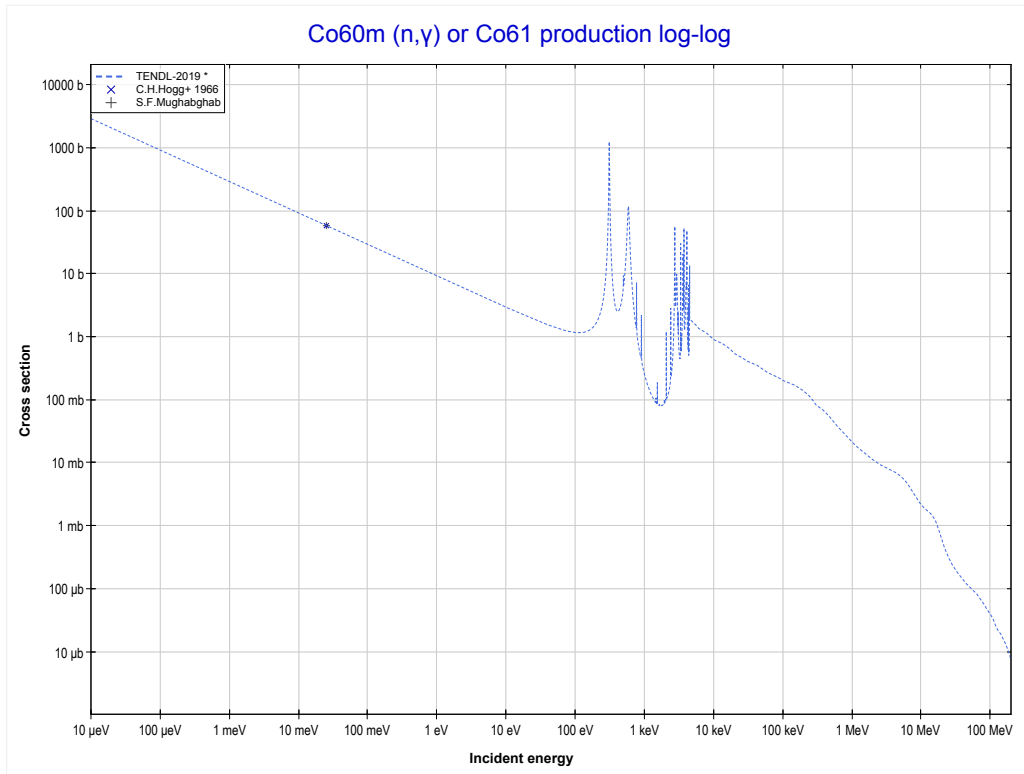
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 3.62758 b | 3.62758 b | 3.8375 b | 1.05787 | 91.1384 b | 4.23184 b | 2.79663 b |
| TENDL-2019 | 6.42526 b | 6.42526 b | 6.9913 b | 1.0881 | 163.009 b | 4.24931 b | 2.79666 b |

| | | |
|------------------|---|-----------------------------------|
| << 27-Co-59 | 27-Co-60 | 27-Co-60m >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Co61 production) | 27-Co-60m MT102 (n, γ) >> |



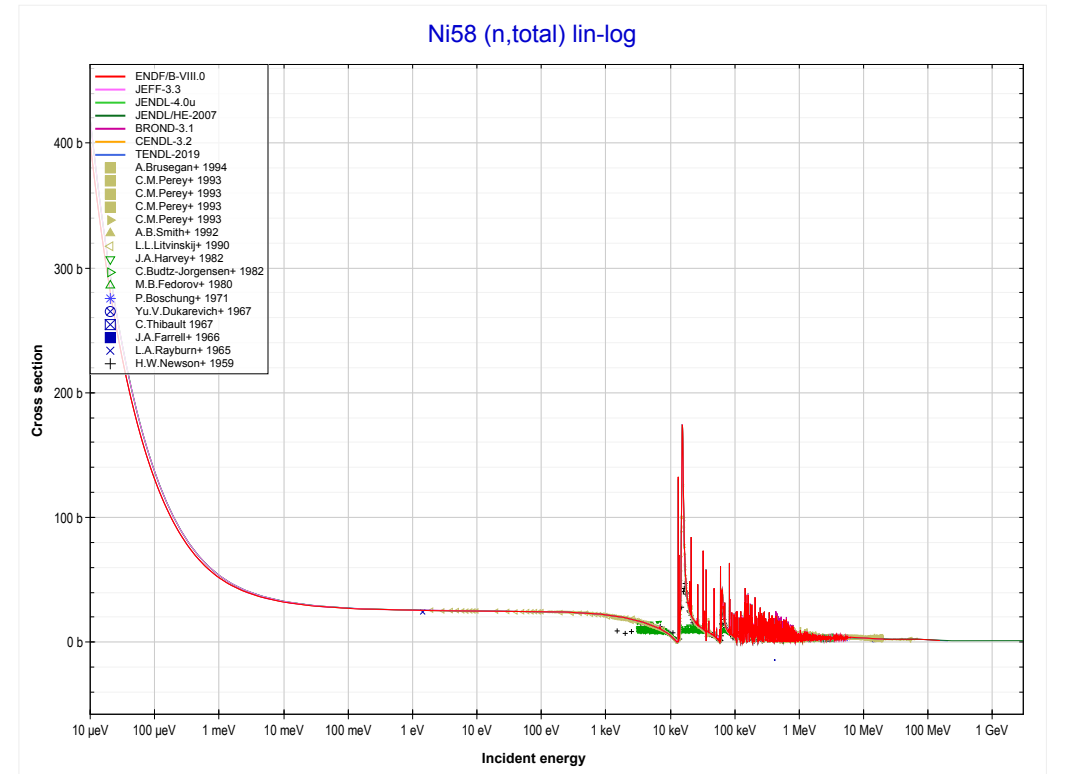
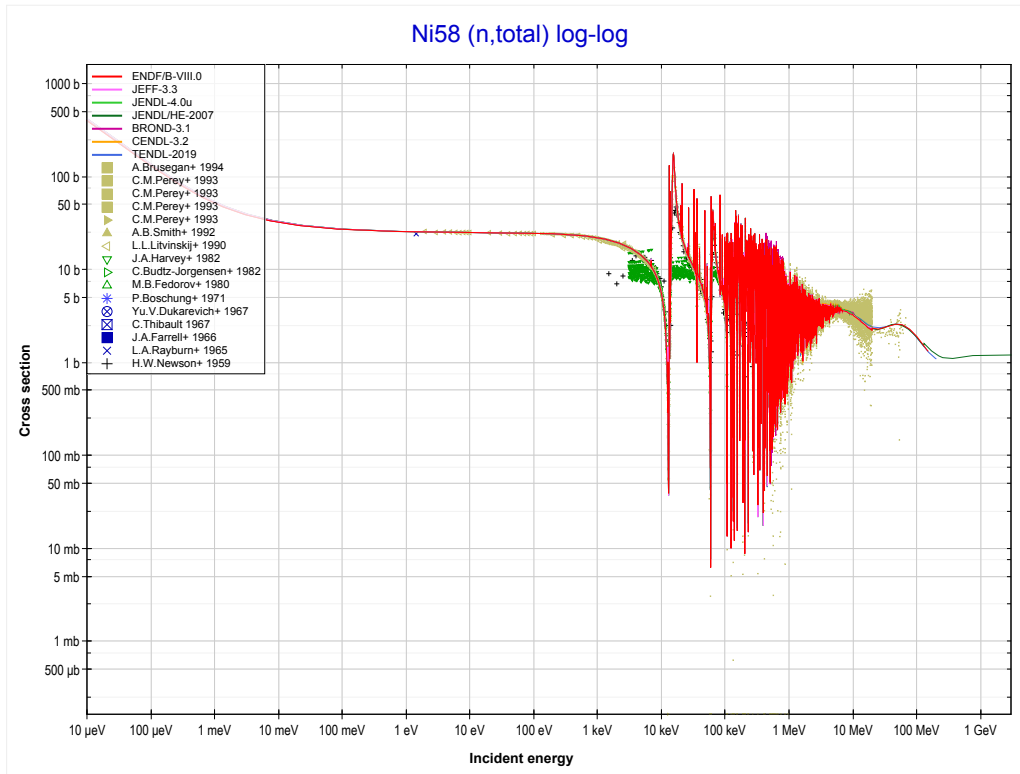
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.00008 b | 1.99859 b | 1.9986 b | 1.00003 | 3.30204 b | 9.10364E-4 b | 6.8E-4 b |
| JEFF-3.3 | 1.99432 b | 1.99432 b | 1.9946 b | 1.00016 | 4.45487 b | 0.0255598 b | 0.00150155 b |
| TENDL-2019 | 2.01399 b | 2.01399 b | 2.0137 b | 0.99984 | 6.89491 b | 0.025563 b | 0.0014966 b |

| | | |
|----------------------------------|---|---------------------------|
| << 27-Co-60 | 27-Co-60m | 28-Ni-58 >> |
| << 27-Co-60 MT102 (n, γ) | MT102 (n,γ) or MT5 (Co61 production) | 28-Ni-58 MT1 (n,total) >> |



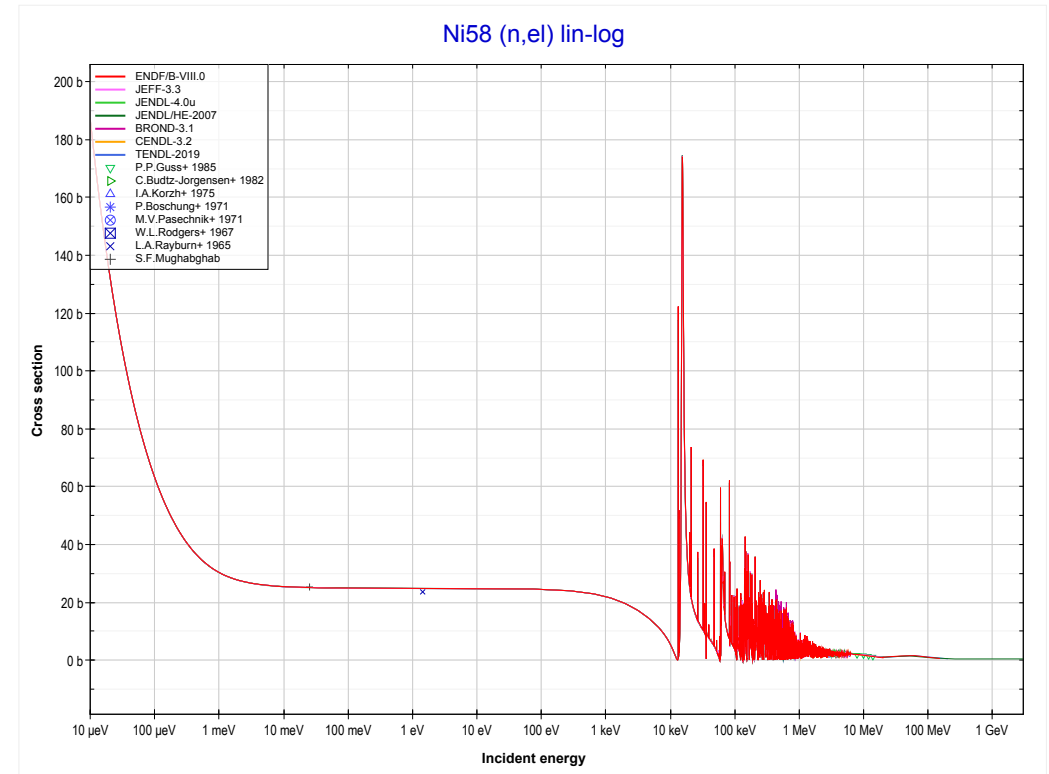
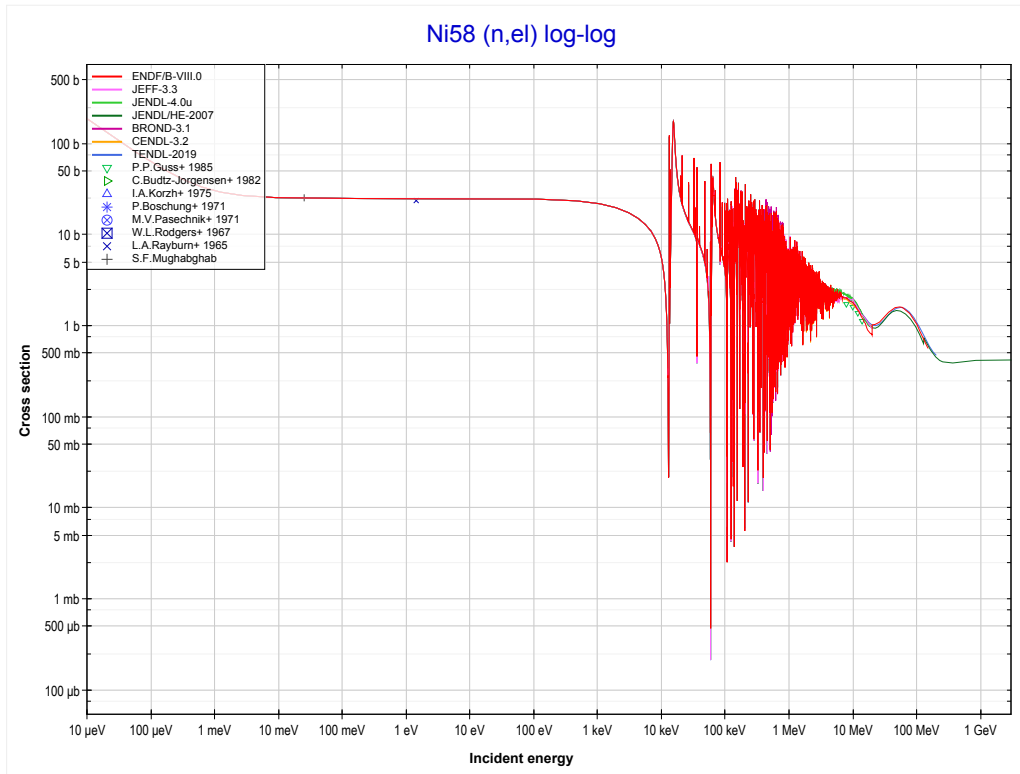
| Reaction | Q-Value |
|-------------------------|-------------|
| Co60m(n, γ)Co61 | 9377.72 keV |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 27-Co-60 | 28-Ni-58 | 28-Ni-59 >> |
| << 27-Co-60m MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



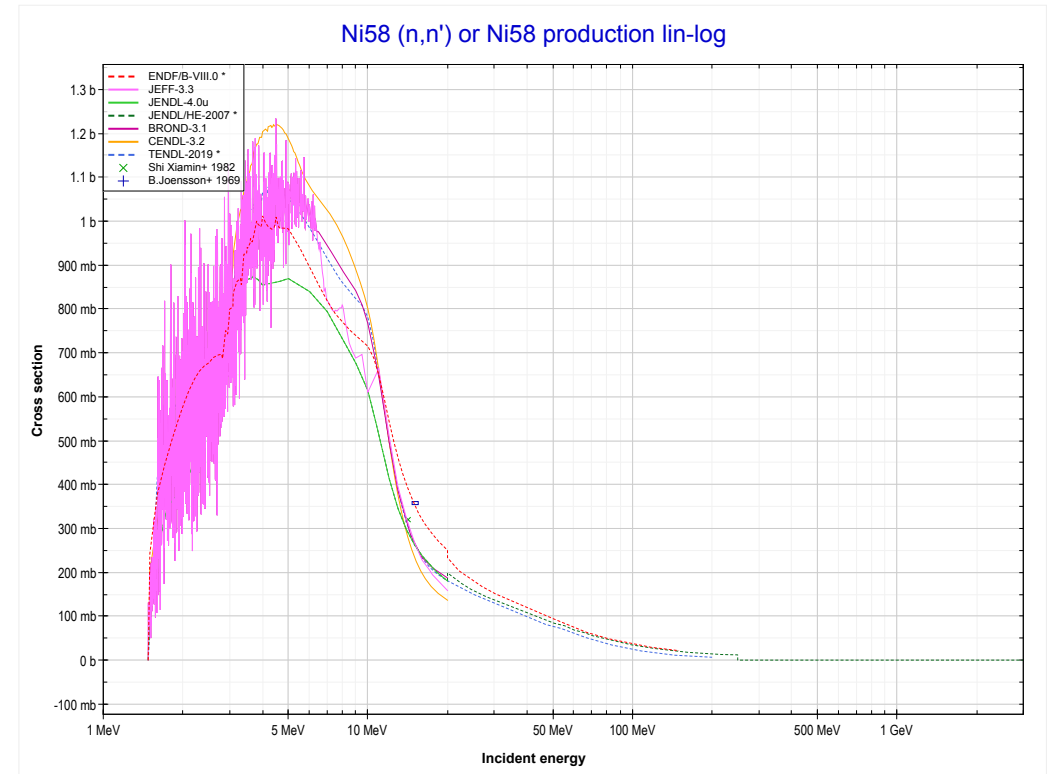
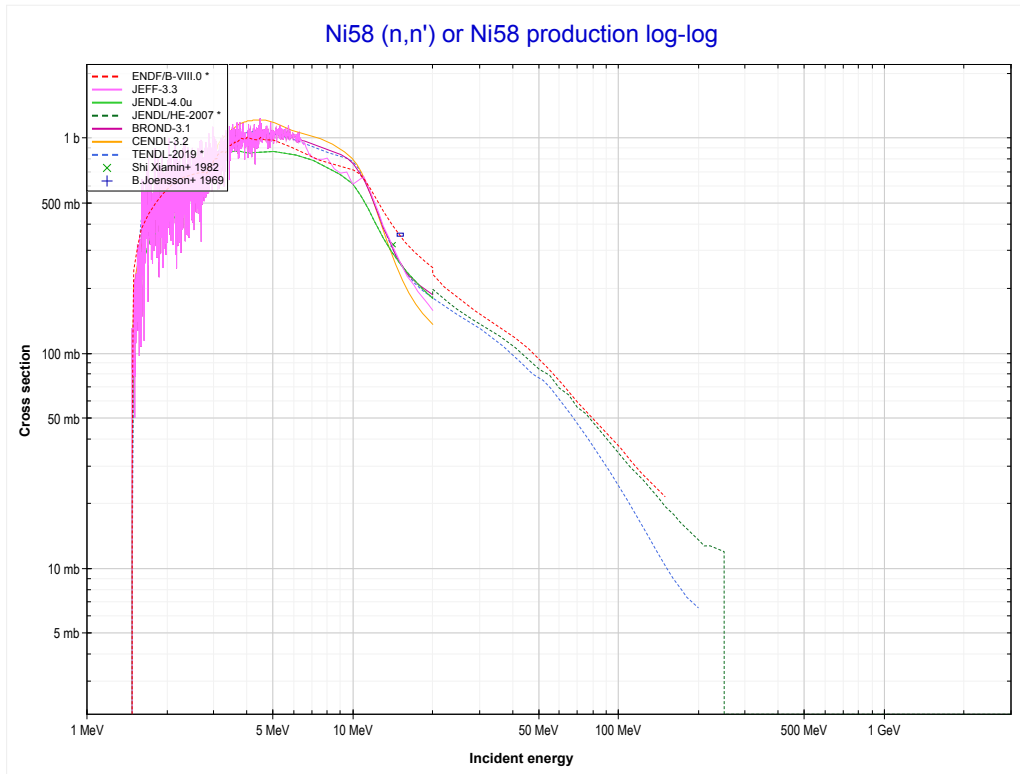
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.2629 b | 29.2629 b | 32.478 b | 1.10986 | 267.769 b | 3.64064 b | 2.69052 b |
| JEFF-3.3 | 29.6394 b | 29.6394 b | 32.852 b | 1.10839 | 267.5 b | 3.65108 b | 2.71483 b |
| JENDL-4.0u | 29.6395 b | 29.6395 b | 32.852 b | 1.10839 | 267.5 b | 3.68441 b | 2.76128 b |
| JENDL/HE-2007 | 29.6381 b | 29.6381 b | 32.851 b | 1.1084 | 267.63 b | 3.6849 b | 2.76128 b |
| BROND-3.1 | 29.2626 b | 29.2626 b | 32.477 b | 1.10984 | 267.77 b | 3.65665 b | 2.70227 b |
| CENDL-3.2 | 29.2661 b | 29.2661 b | 32.48 b | 1.10983 | 267.9 b | 3.66552 b | 2.68049 b |
| TENDL-2019 | 29.6363 b | 29.6363 b | 32.849 b | 1.1084 | 267.612 b | 3.6617 b | 2.83204 b |

| | | |
|------------------|------------------------|---------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-60 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



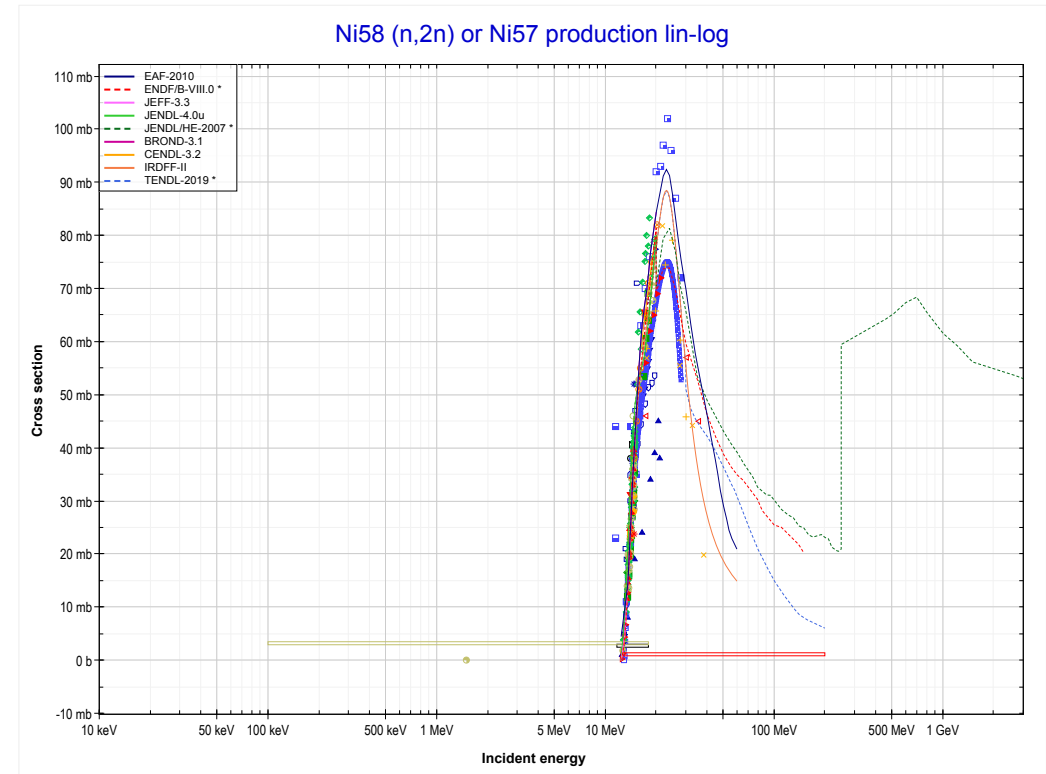
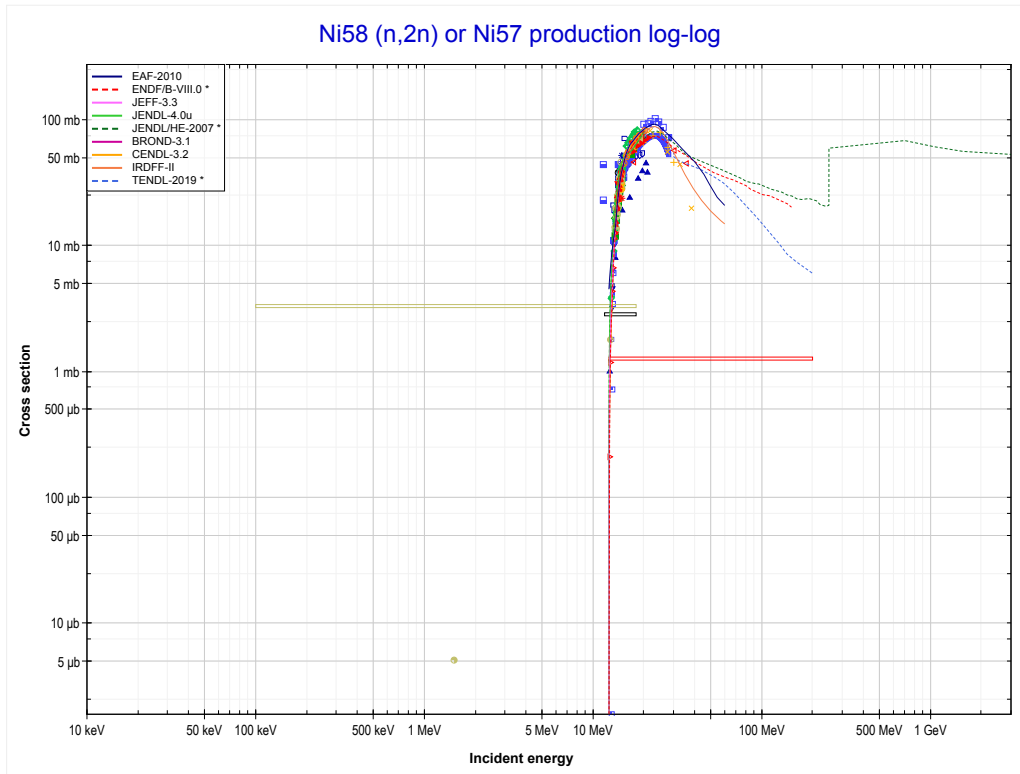
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 25.0363 b | 25.0363 b | 28.25 b | 1.12834 | 265.783 b | 3.13997 b | 1.207 b |
| JEFF-3.3 | 25.018 b | 25.018 b | 28.229 b | 1.12834 | 265.333 b | 3.1616 b | 1.29648 b |
| JENDL-4.0u | 25.018 b | 25.018 b | 28.229 b | 1.12834 | 265.333 b | 3.24284 b | 1.33921 b |
| JENDL/HE-2007 | 25.018 b | 25.018 b | 28.23 b | 1.12841 | 265.432 b | 3.24298 b | 1.33921 b |
| BROND-3.1 | 25.0363 b | 25.0363 b | 28.249 b | 1.12834 | 265.785 b | 3.16519 b | 1.29648 b |
| CENDL-3.2 | 25.0363 b | 25.0363 b | 28.251 b | 1.12841 | 265.882 b | 3.12895 b | 1.28674 b |
| TENDL-2019 | 25.0163 b | 25.0163 b | 28.228 b | 1.12841 | 265.413 b | 3.13802 b | 1.33931 b |

| | | |
|--------------------|--|----------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-60 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ni58 production) | MT16 (n,2n) >> |



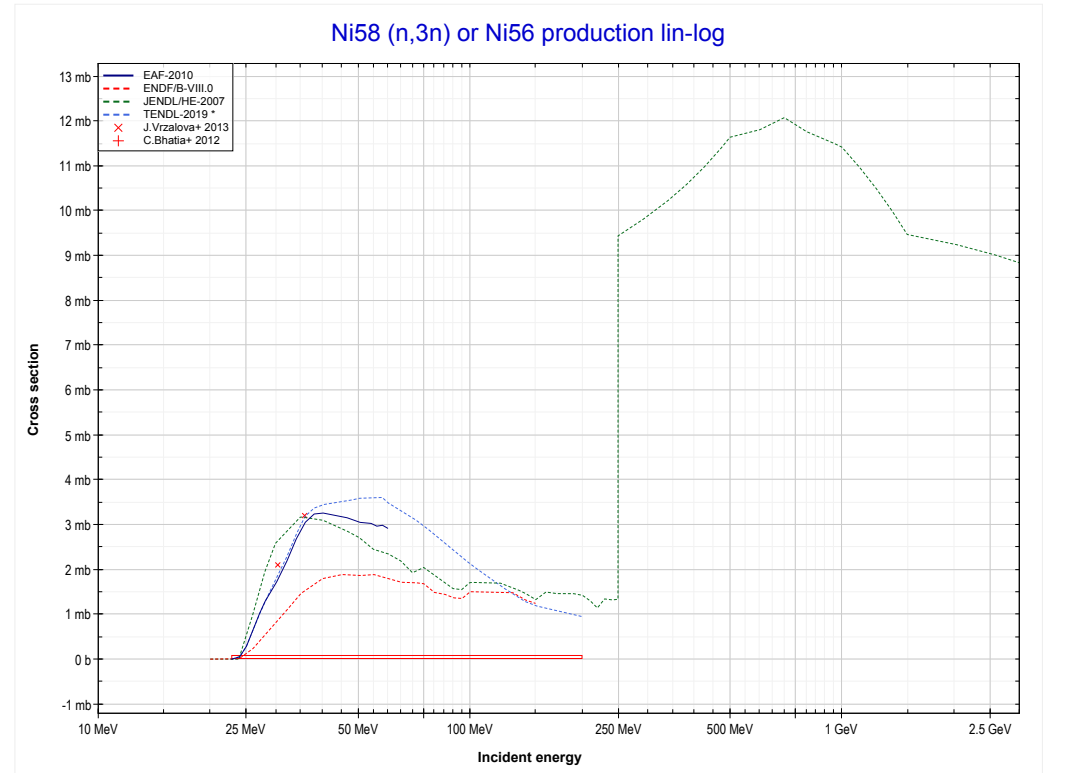
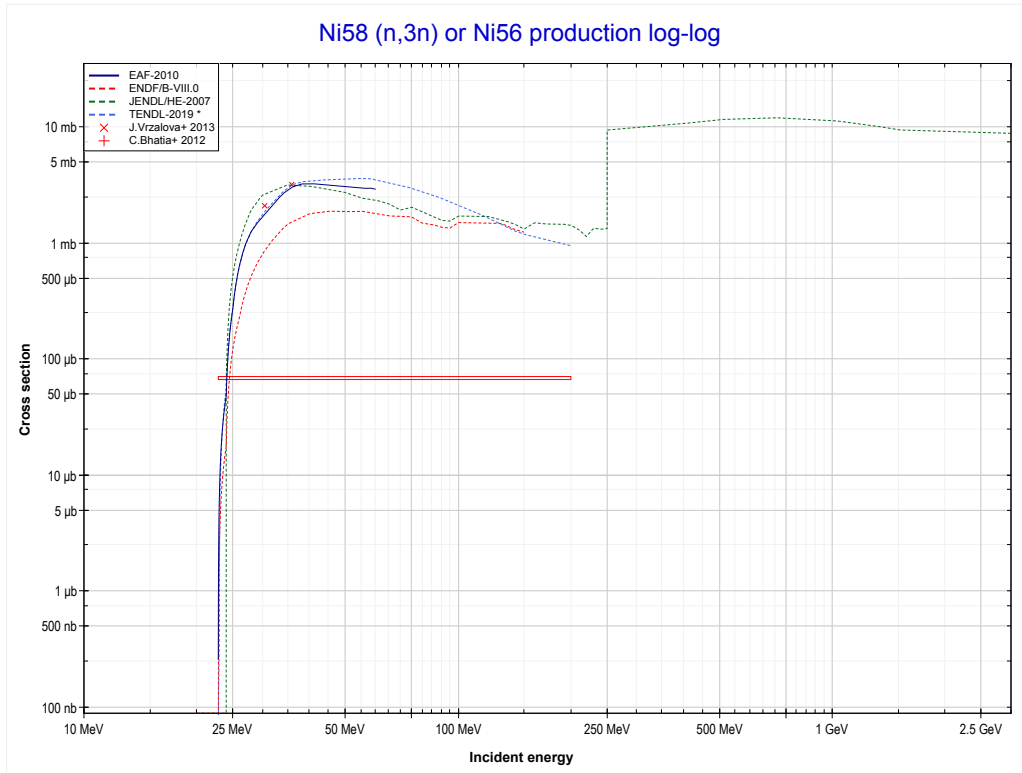
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.379054 b | 0.399188 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.366864 b | 0.32228 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.31832 b | 0.296603 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.318324 b | 0.296603 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.369086 b | 0.318626 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.409937 b | 0.290253 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.401977 b | 0.313061 b |

| | | |
|---------------|---|----------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-60 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ni57 production) | MT17 (n,3n) >> |



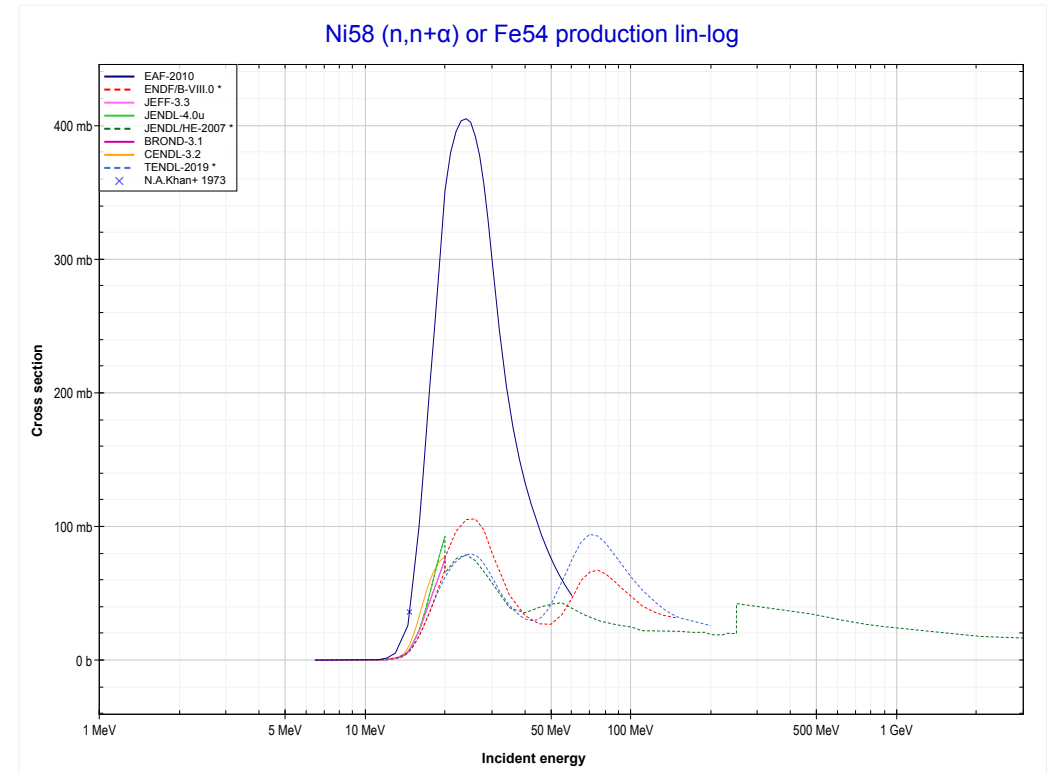
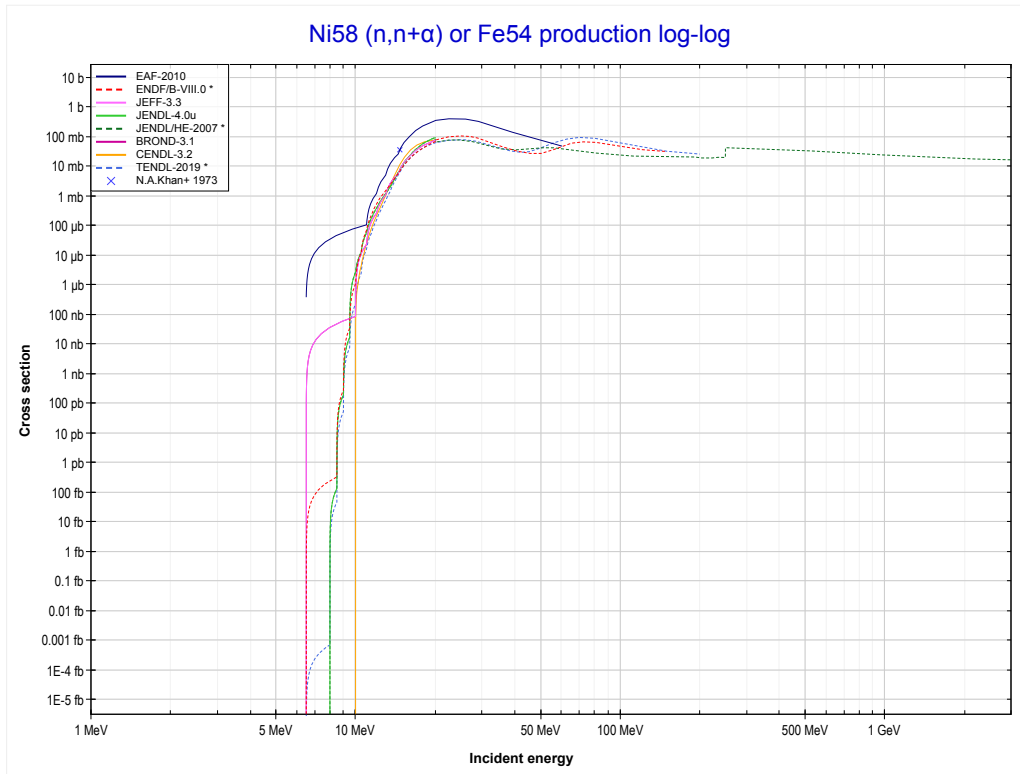
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.23824E-6 b | 0.023121 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.63786E-6 b | 0.0227104 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.9746E-6 b | 0.023121 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.15035E-6 b | 0.030647 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.14964E-6 b | 0.030647 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.97411E-6 b | 0.023121 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.79032E-6 b | 0.023 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 6.43938E-6 b | 0.0214577 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.48274E-6 b | 0.0214422 b |

| | | |
|----------------|---|-----------------|
| << 27-Co-59 | 28-Ni-58 | 29-Cu-63 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ni56 production) | MT22 (n,n+α) >> |



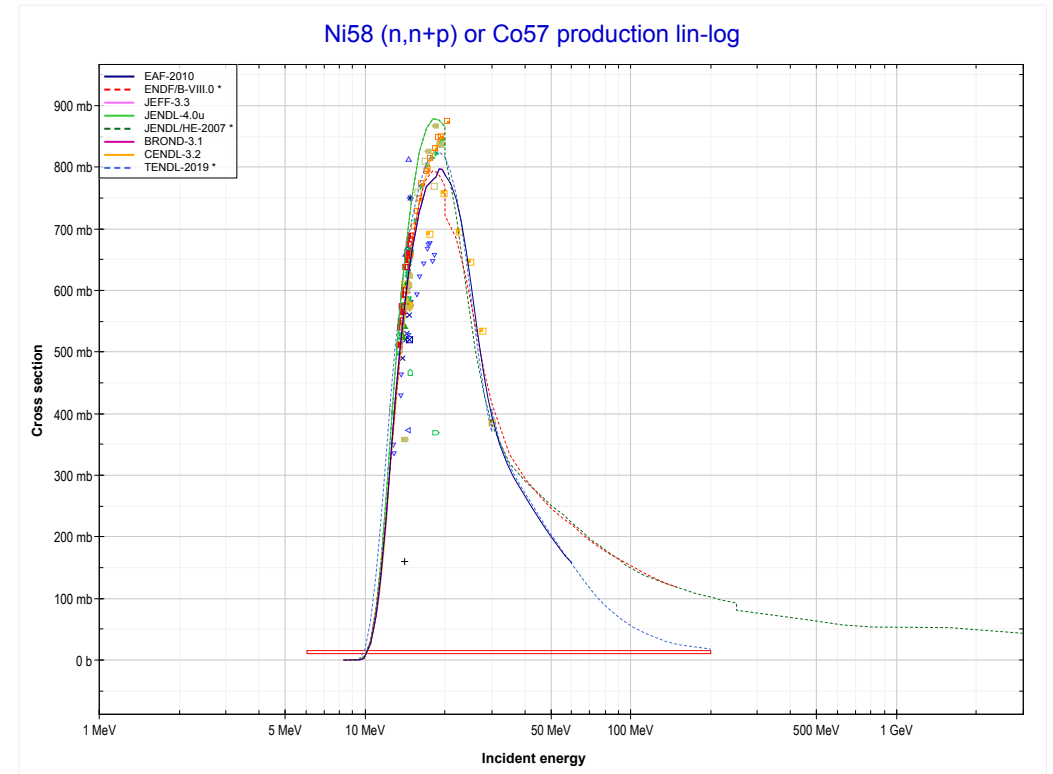
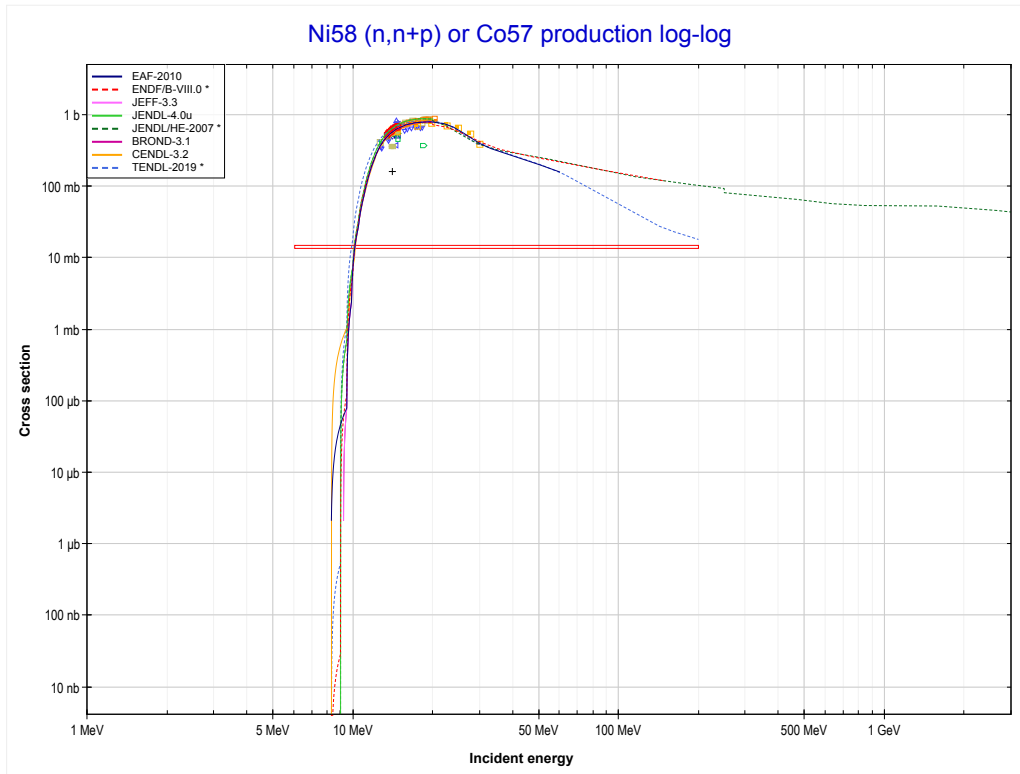
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Ni58(n,3n)Ni56 | -22463.83 keV |

| | | |
|----------------|--|-----------------|
| << 23-V-51 | 28-Ni-58 | 29-Cu-65 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Fe54 production) | MT28 (n,n+p) >> |



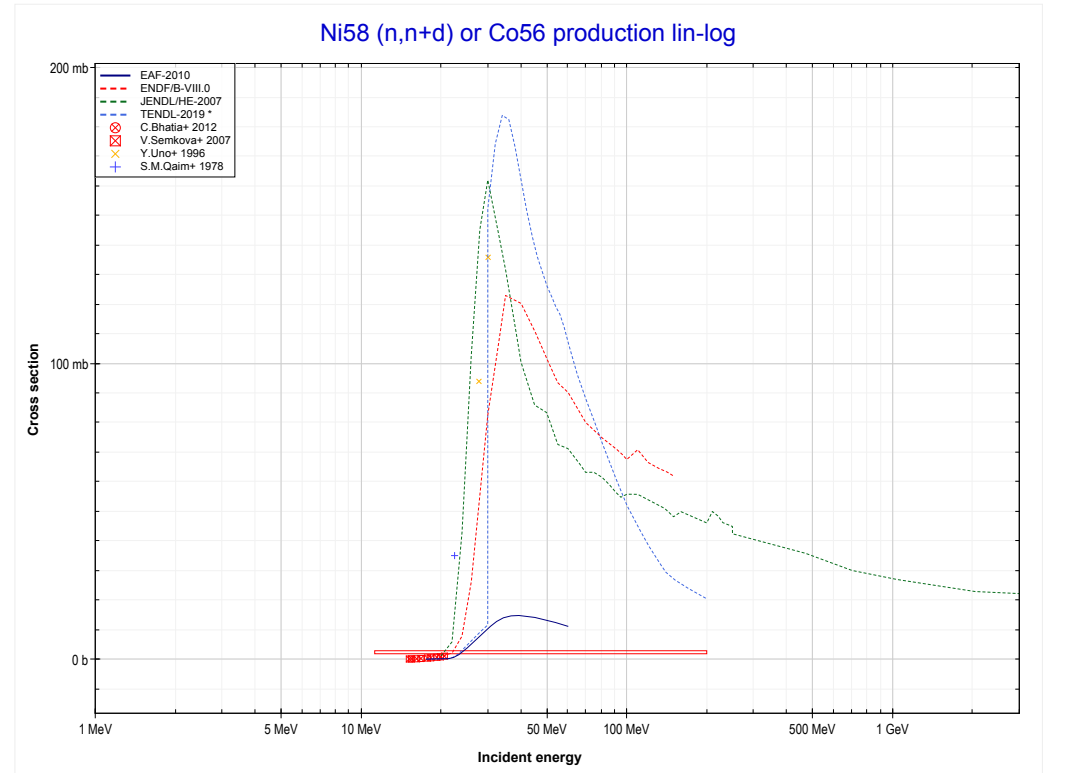
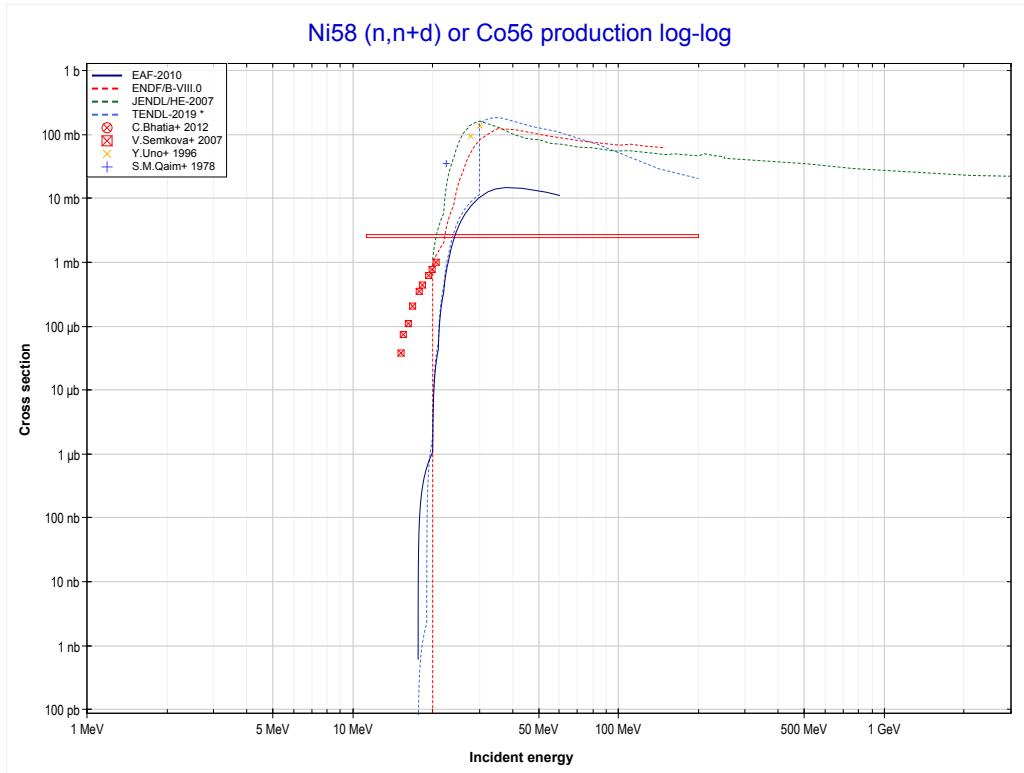
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24666E-6 b | 0.00360848 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.41002E-6 b | 0.00409343 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.53493E-6 b | 0.00347716 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.53475E-6 b | 0.00347716 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.40965E-6 b | 0.00409343 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.0562E-6 b | 0.00463117 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84575E-6 b | 0.00285945 b |

| | | |
|-----------------|--|-----------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-61 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Co57 production) | MT32 (n,n+d) >> |



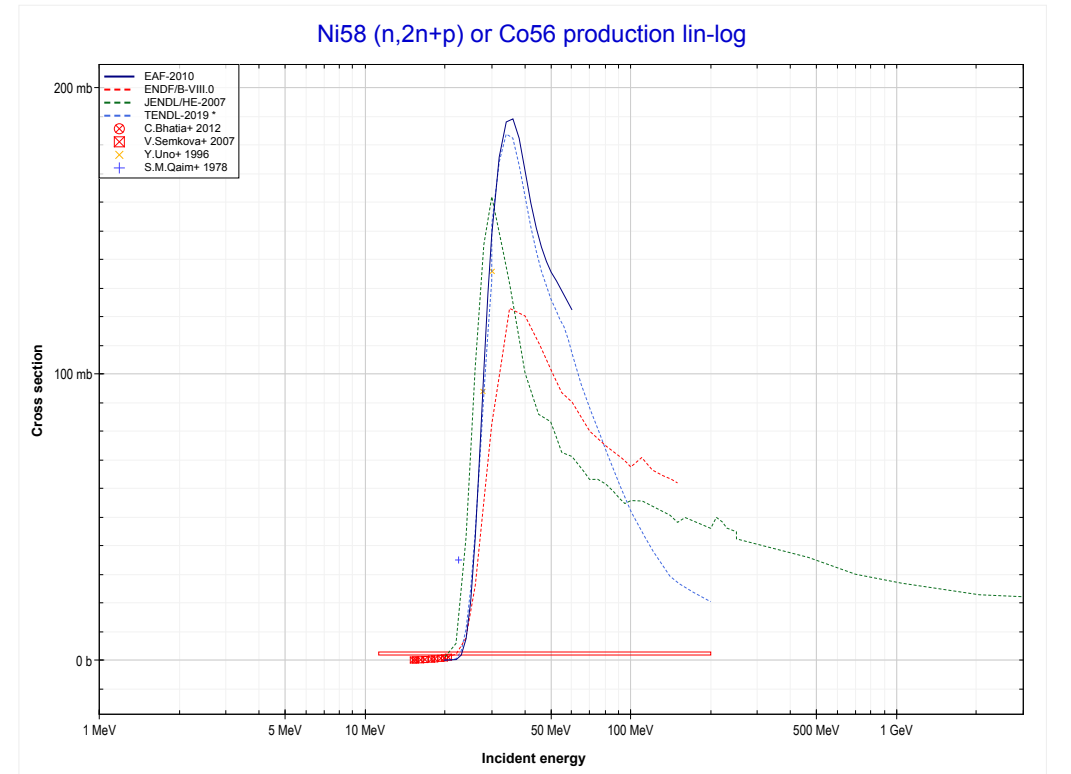
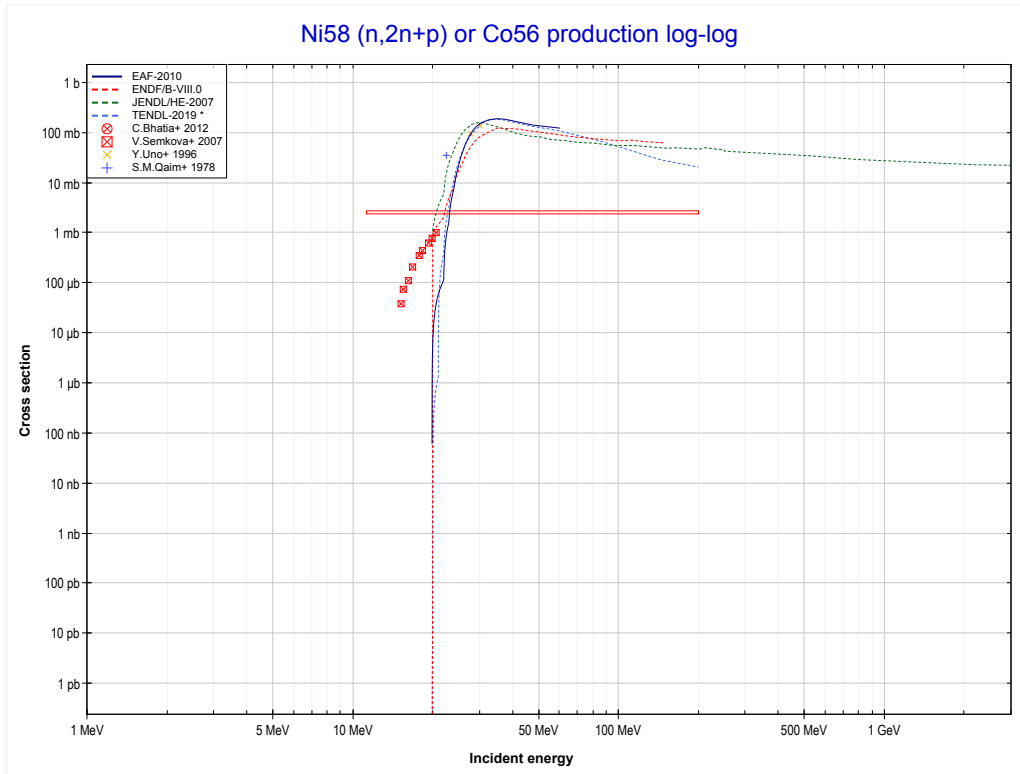
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20425E-4 b | 0.557718 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13931E-4 b | 0.56422 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.59287E-4 b | 0.635643 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.59246E-4 b | 0.635643 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13934E-4 b | 0.56422 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.06844E-4 b | 0.549604 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.37803E-4 b | 0.634784 b |

| | | |
|-----------------|--|------------------|
| << 26-Fe-56 | 28-Ni-58 | 28-Ni-60 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Co56 production) | MT41 (n,2n+p) >> |



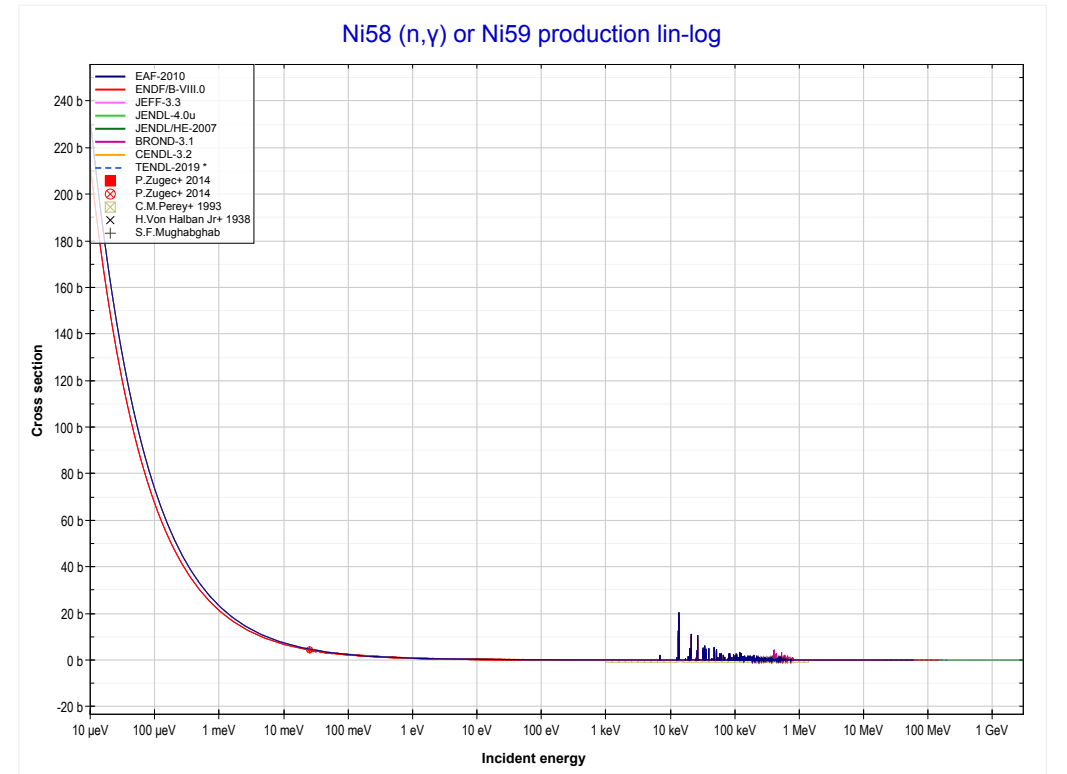
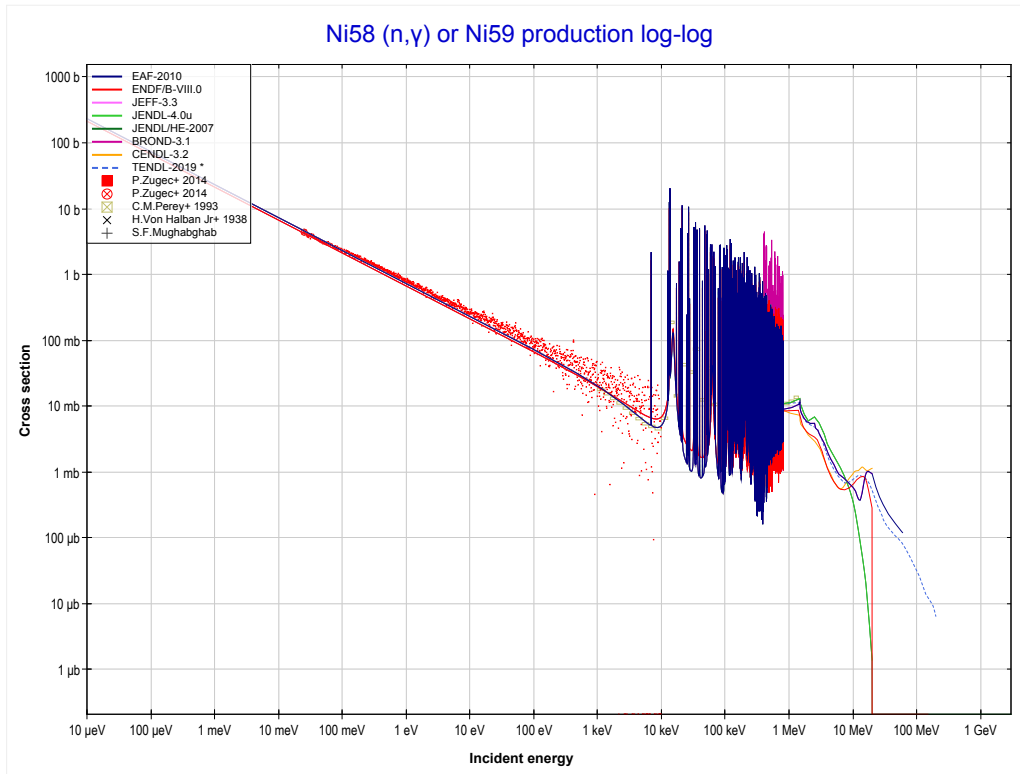
| Reaction | Q-Value |
|------------------|---------------|
| Ni58(n,t)Co56 | -11066.79 keV |
| Ni58(n,n+d)Co56 | -17324.02 keV |
| Ni58(n,2n+p)Co56 | -19548.59 keV |

| | | |
|-----------------|---|-------------------------|
| << 26-Fe-56 | 28-Ni-58 | 28-Ni-60 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Co56 production) | MT102 (n, γ) >> |



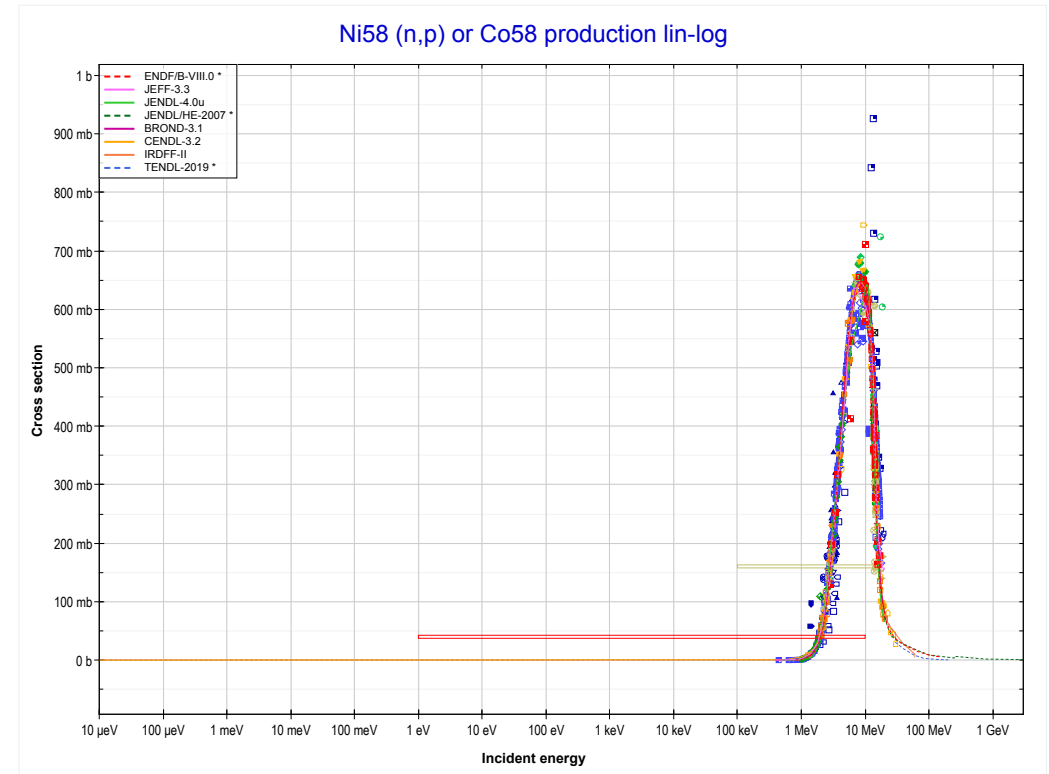
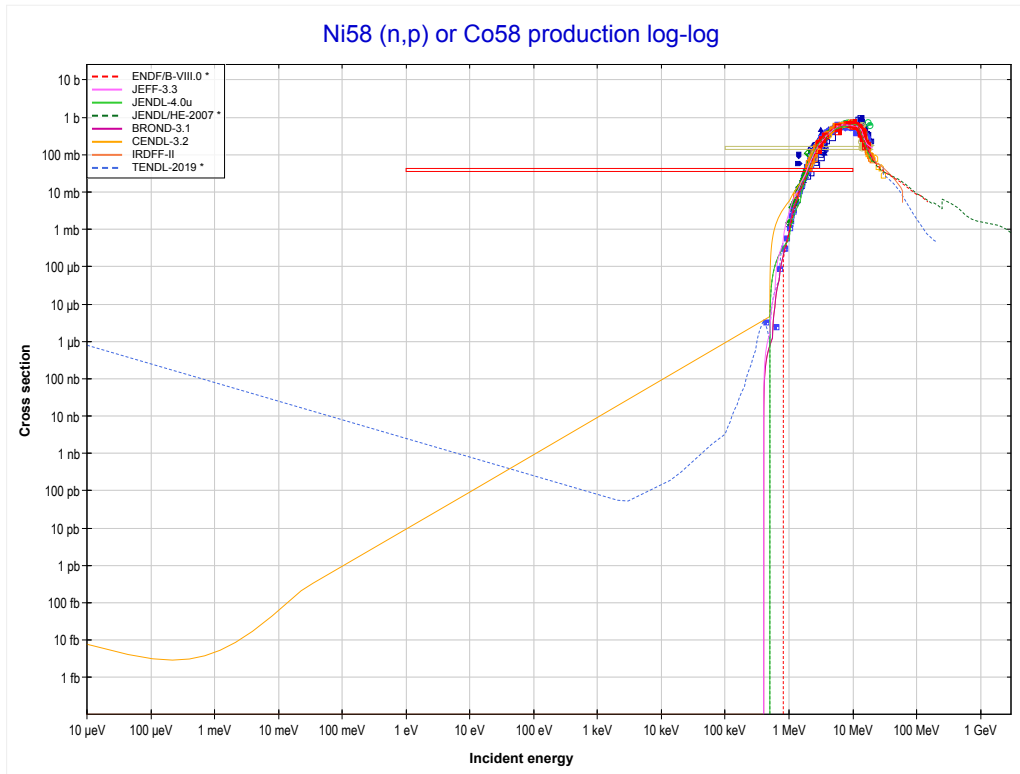
| Reaction | Q-Value |
|------------------|---------------|
| Ni58(n,t)Co56 | -11066.79 keV |
| Ni58(n,n+d)Co56 | -17324.02 keV |
| Ni58(n,2n+p)Co56 | -19548.59 keV |

| | | |
|------------------|---|----------------|
| << 27-Co-60m | 28-Ni-58 | 28-Ni-59 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ni59 production) | MT103 (n,p) >> |



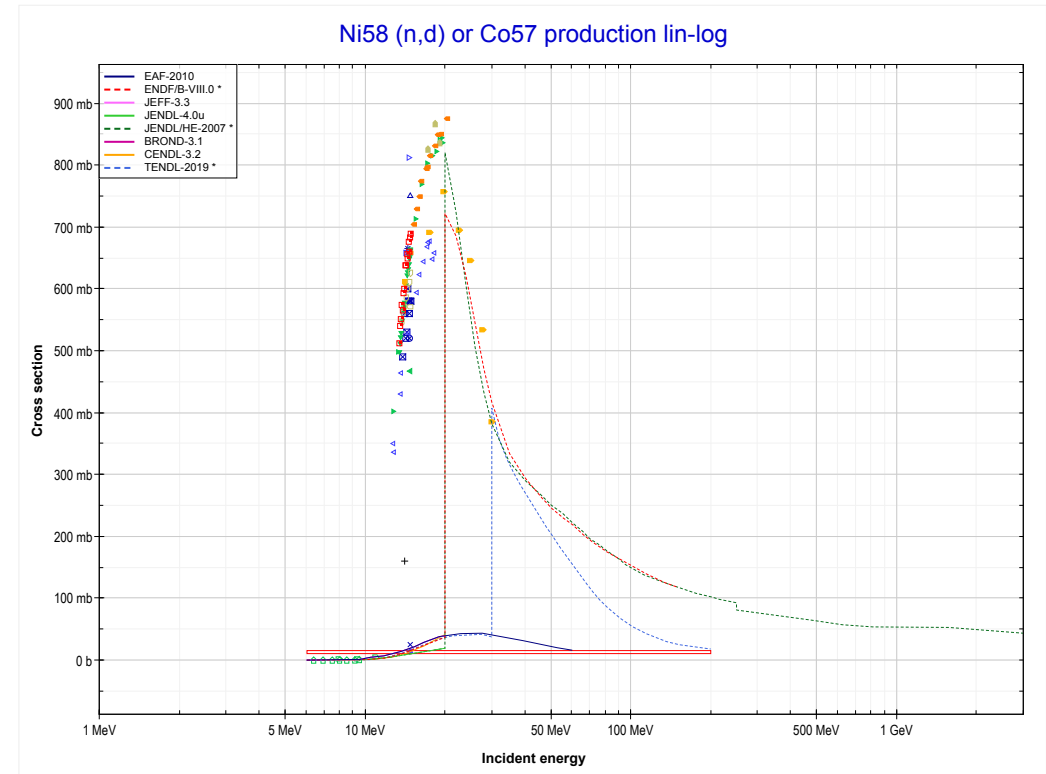
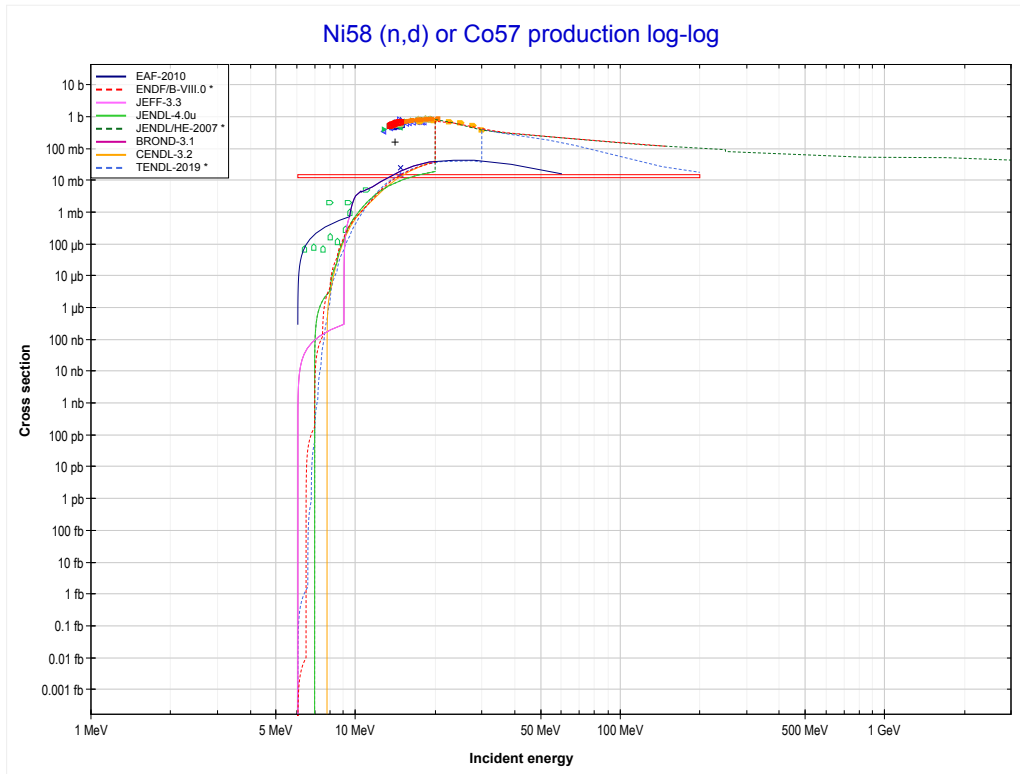
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.62441 b | 4.62095 b | 4.6201 b | 0.99981 | 2.16377 b | 0.00779887 b | 4.82543E-4 b |
| ENDF/B-VIII.0 | 4.22658 b | 4.22658 b | 4.2281 b | 1.00036 | 1.98556 b | 0.00625289 b | 8.56514E-4 b |
| JEFF-3.3 | 4.6214 b | 4.6214 b | 4.623 b | 1.00036 | 2.16708 b | 0.00781202 b | 4.9954E-4 b |
| JENDL-4.0u | 4.6214 b | 4.6214 b | 4.6231 b | 1.00036 | 2.16708 b | 0.00880043 b | 5.39772E-5 b |
| JENDL/HE-2007 | 4.62002 b | 4.62002 b | 4.6202 b | 1.00005 | 2.16322 b | 0.00879799 b | 5.39772E-5 b |
| BROND-3.1 | 4.22627 b | 4.22627 b | 4.2274 b | 1.00027 | 1.98474 b | 0.00725077 b | 4.9954E-4 b |
| CENDL-3.2 | 4.22507 b | 4.22507 b | 4.2253 b | 1.00005 | 1.98175 b | 0.00597904 b | 0.00119162 b |
| TENDL-2019 | 4.62002 b | 4.62002 b | 4.6202 b | 1.00005 | 2.16322 b | 0.00801998 b | 8.58698E-4 b |

| | | |
|-------------------------|---|----------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-59 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Co58 production) | MT104 (n,d) >> |



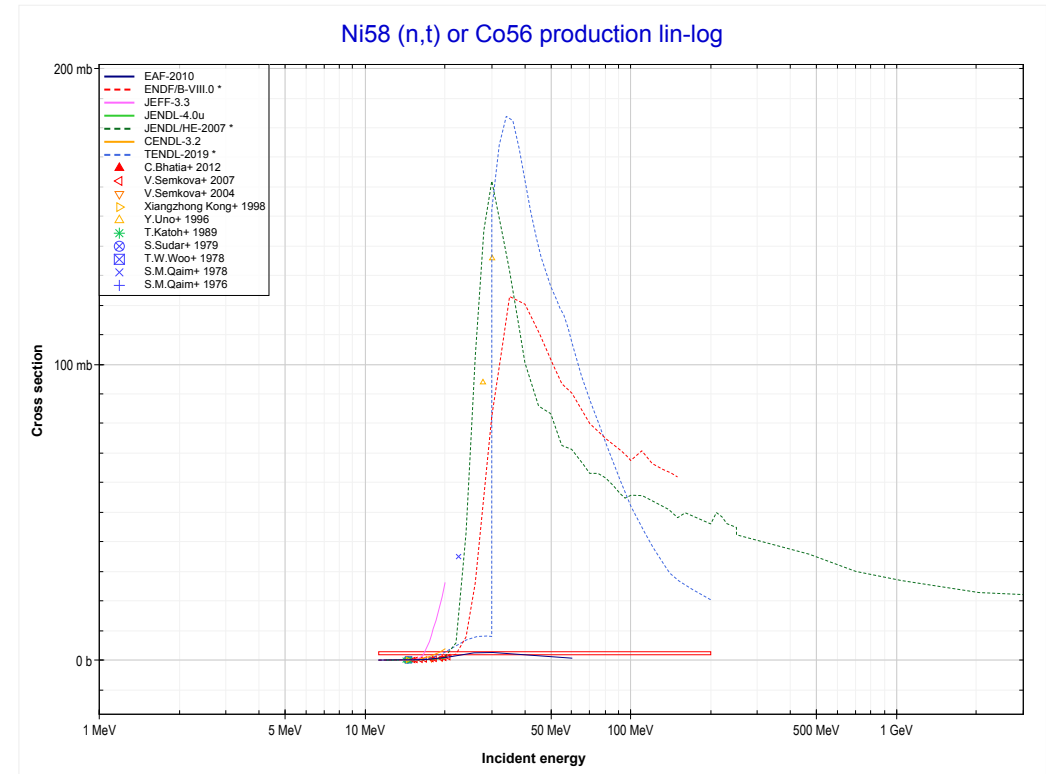
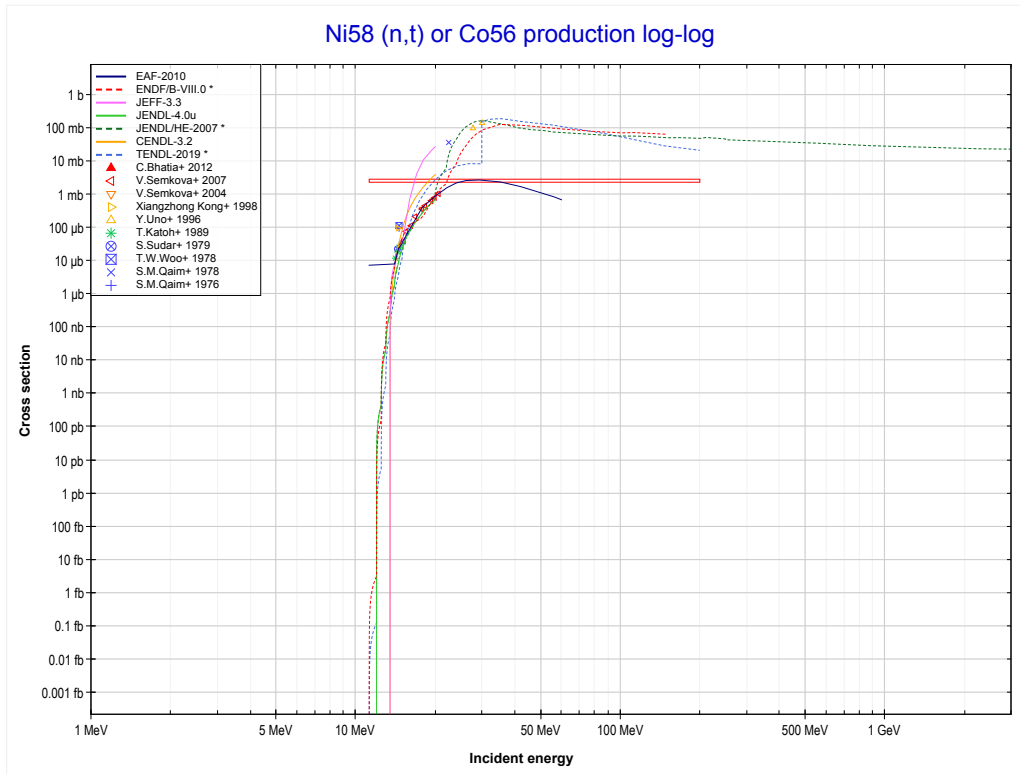
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.107449 b | 0.354449 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.108217 b | 0.39314 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.106908 b | 0.329787 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.106908 b | 0.329787 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.108358 b | 0.363992 b |
| CENDL-3.2 | 2.4038E-13 b | 2.4038E-13 b | 5.3434E-13 b | 2.22289 | 9.274E-7 b | 0.111015 b | 0.385095 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.108352 b | 0.363998 b |
| TENDL-2019 | 1.58012E-8 b | 1.58012E-8 b | 1.5787E-8 b | 0.99908 | 9.42385E-9 b | 0.10837 b | 0.363232 b |

| | | |
|----------------|---|----------------|
| << 26-Fe-57 | 28-Ni-58 | 28-Ni-60 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Co57 production) | MT105 (n,t) >> |



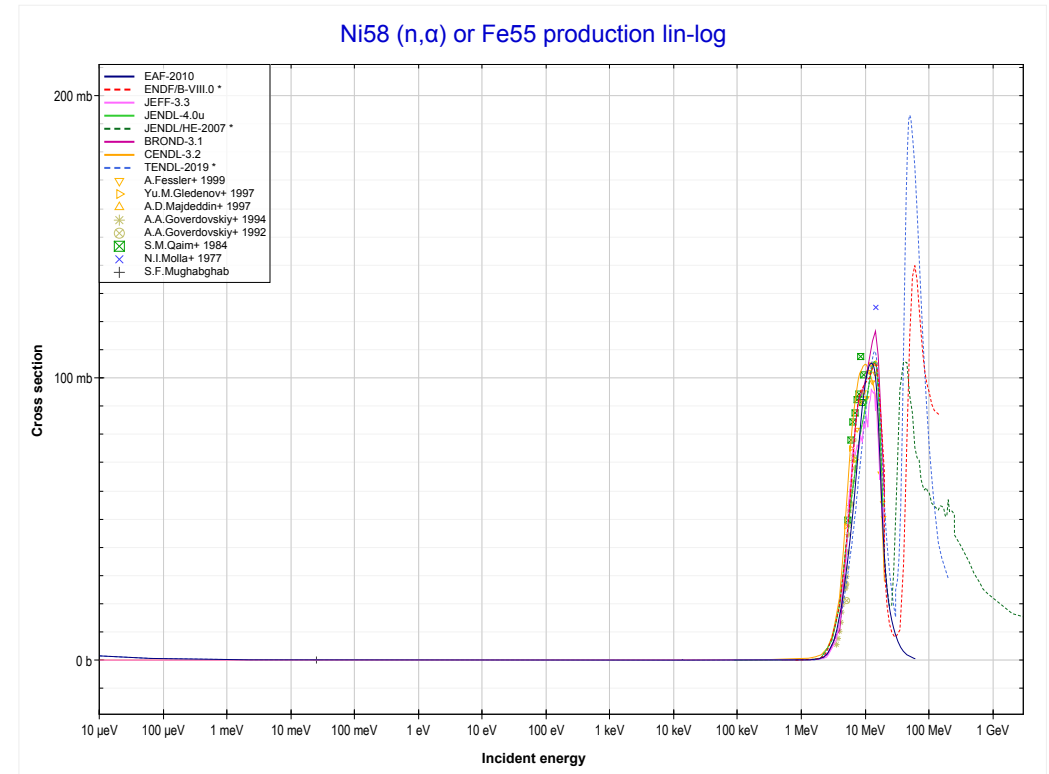
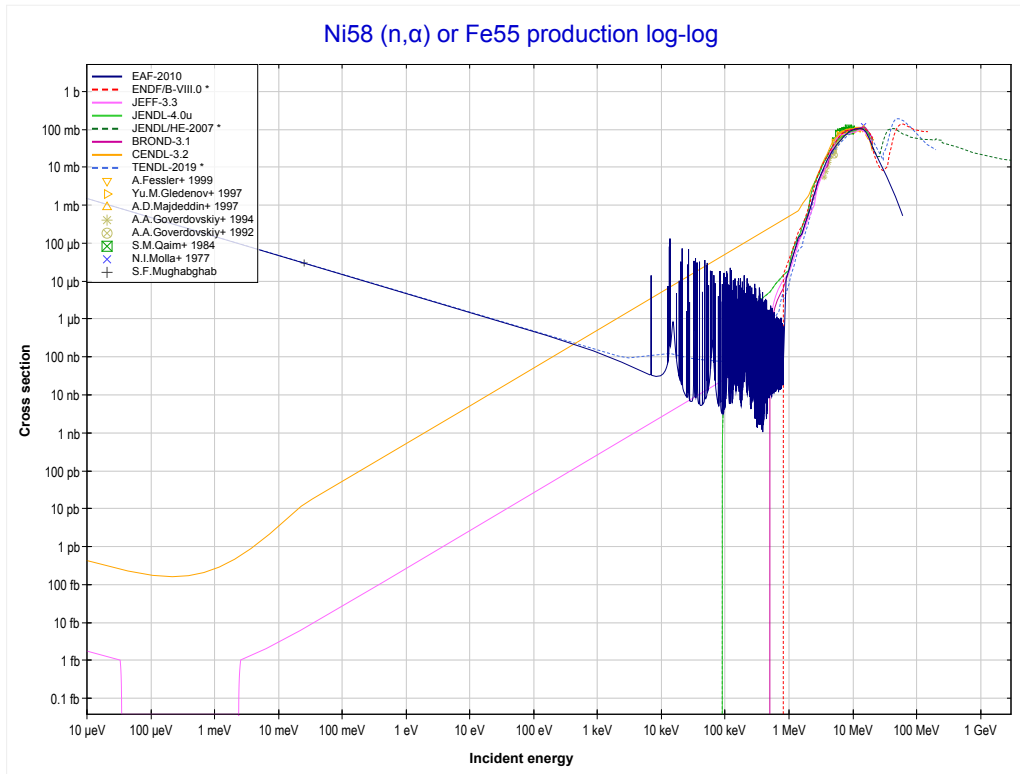
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15965E-5 b | 0.0156725 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.47808E-6 b | 0.0112175 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56464E-5 b | 0.0156725 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.84089E-6 b | 0.00818091 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.84032E-6 b | 0.00818091 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56463E-5 b | 0.0156725 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.76525E-6 b | 0.00974669 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.28809E-6 b | 0.0122401 b |

| | | |
|----------------|---|-------------------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-60 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Co56 production) | MT107 (n, α) >> |



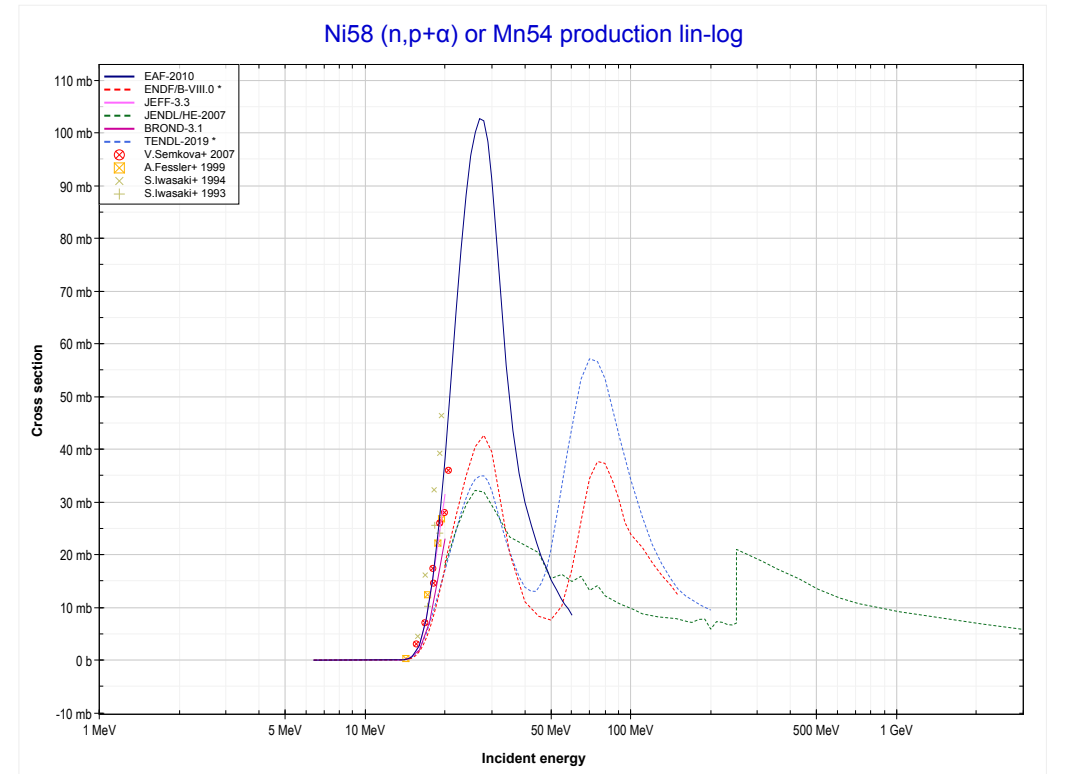
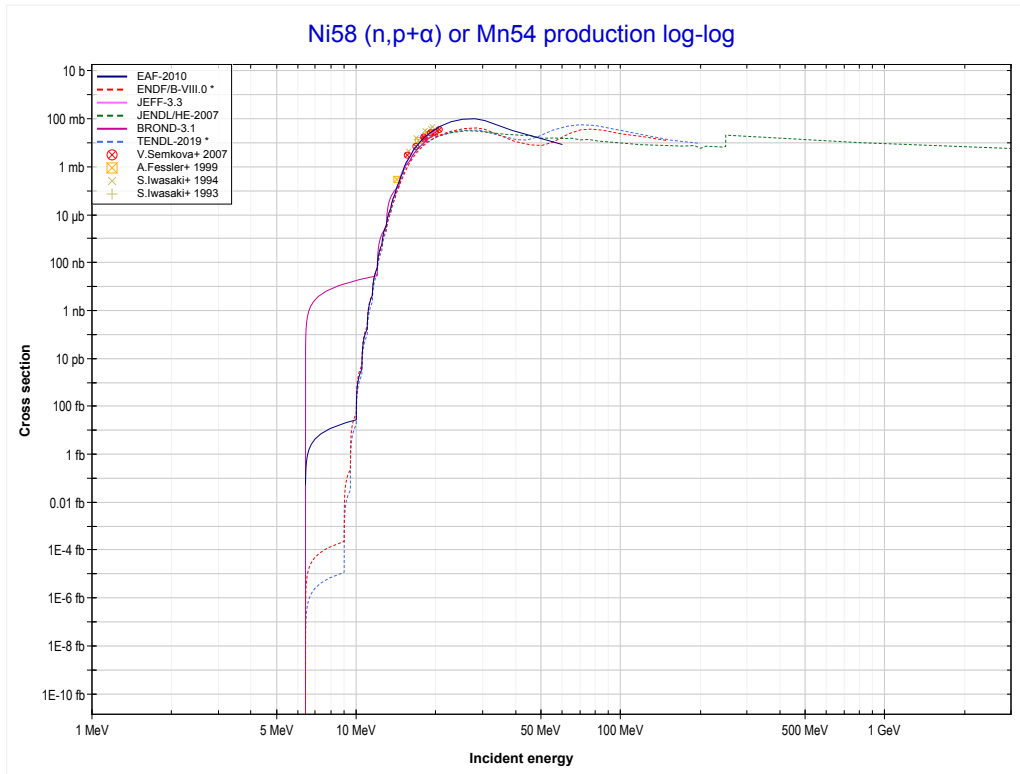
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14062E-8 b | 7.61365E-6 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.8863E-9 b | 5.24222E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58636E-7 b | 7.109E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.20047E-9 b | 1.63456E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.20007E-9 b | 1.63456E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.64344E-8 b | 4.71317E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.77655E-8 b | 6.16773E-7 b |

| | | |
|----------------|---|--------------------------|
| << 27-Co-59 | 28-Ni-58 | 28-Ni-59 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Fe55 production) | MT112 (n,p α) >> |



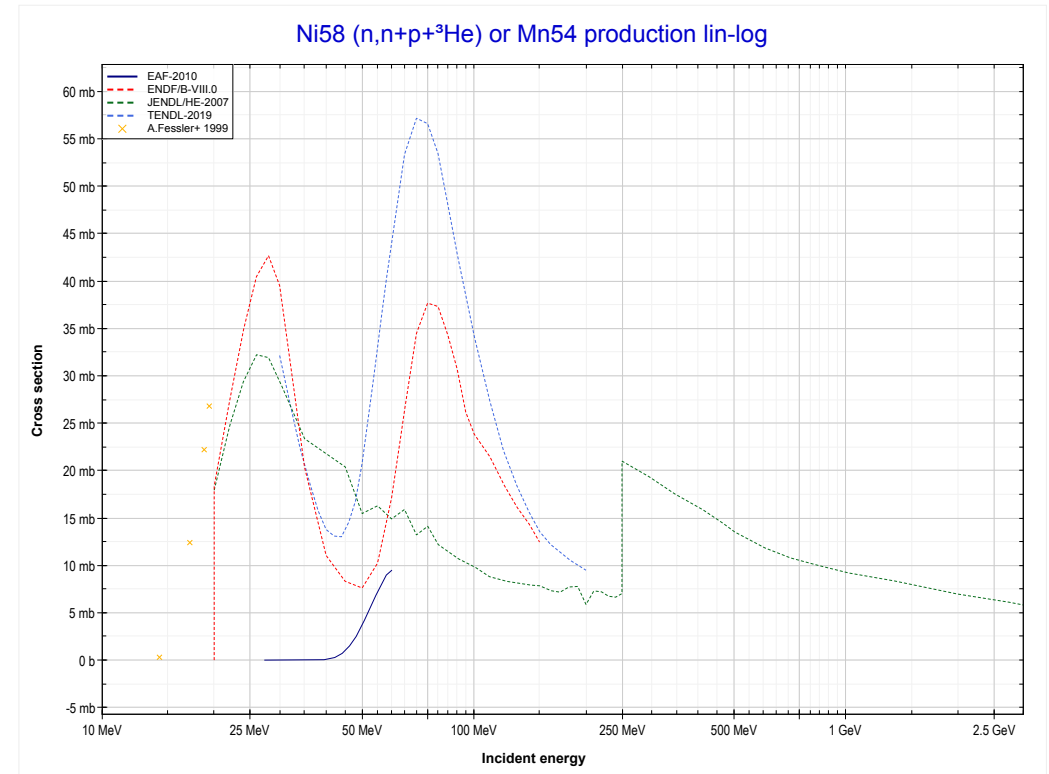
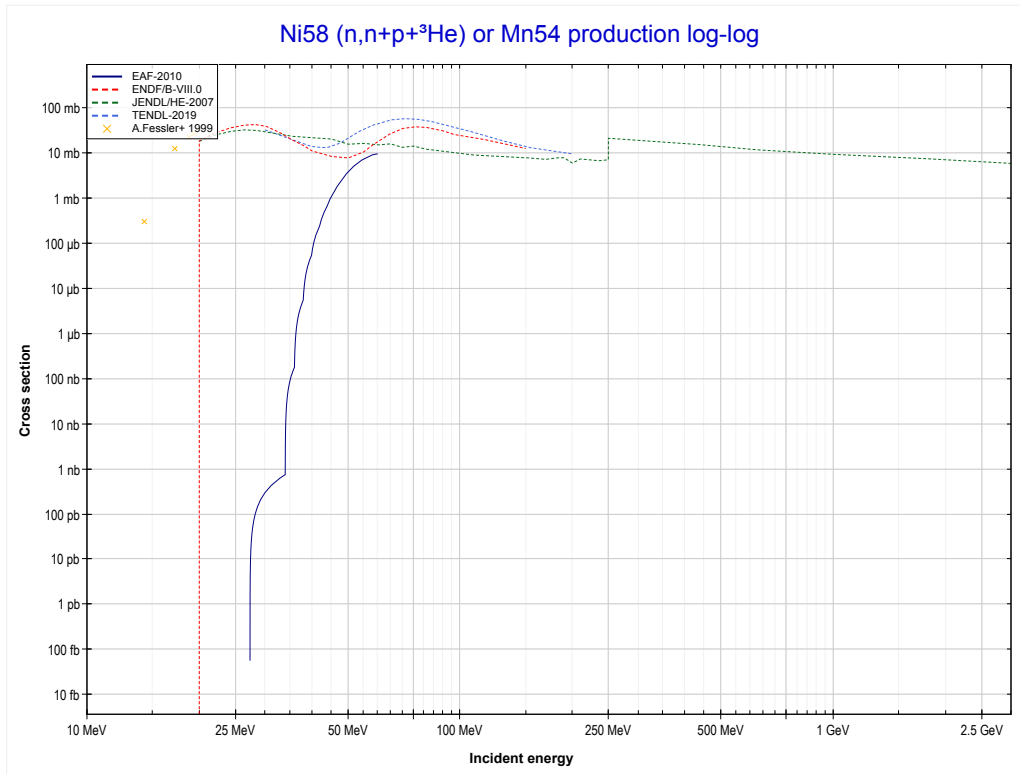
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3E-5 b | 2.99775E-5 b | 2.9972E-5 b | 0.99981 | 1.40371E-5 b | 0.00578934 b | 0.102903 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00756419 b | 0.105312 b |
| JEFF-3.3 | 7.02373E-15 b | 7.02373E-15 b | 1.5455E-14 b | 2.20034 | 2.63879E-8 b | 0.00624124 b | 0.09524 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 6.81435E-10 b | 0.00716269 b | 0.105847 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 6.81266E-10 b | 0.0071627 b | 0.105847 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00642708 b | 0.11546 b |
| CENDL-3.2 | 1.3242E-11 b | 1.3242E-11 b | 2.9434E-11 b | 2.22281 | 5.10864E-5 b | 0.00931462 b | 0.095503 b |
| TENDL-2019 | 3.01113E-5 b | 3.01113E-5 b | 3.0084E-5 b | 0.99908 | 1.37309E-5 b | 0.00498675 b | 0.109485 b |

| | | |
|-------------------------|---|----------------------------------|
| << 25-Mn-55 | 28-Ni-58 | 29-Cu-63 >> |
| << MT107 (n, α) | MT112 (n,p+α) or MT5 (Mn54 production) | MT186 (n,n+p+ ^3He) >> |



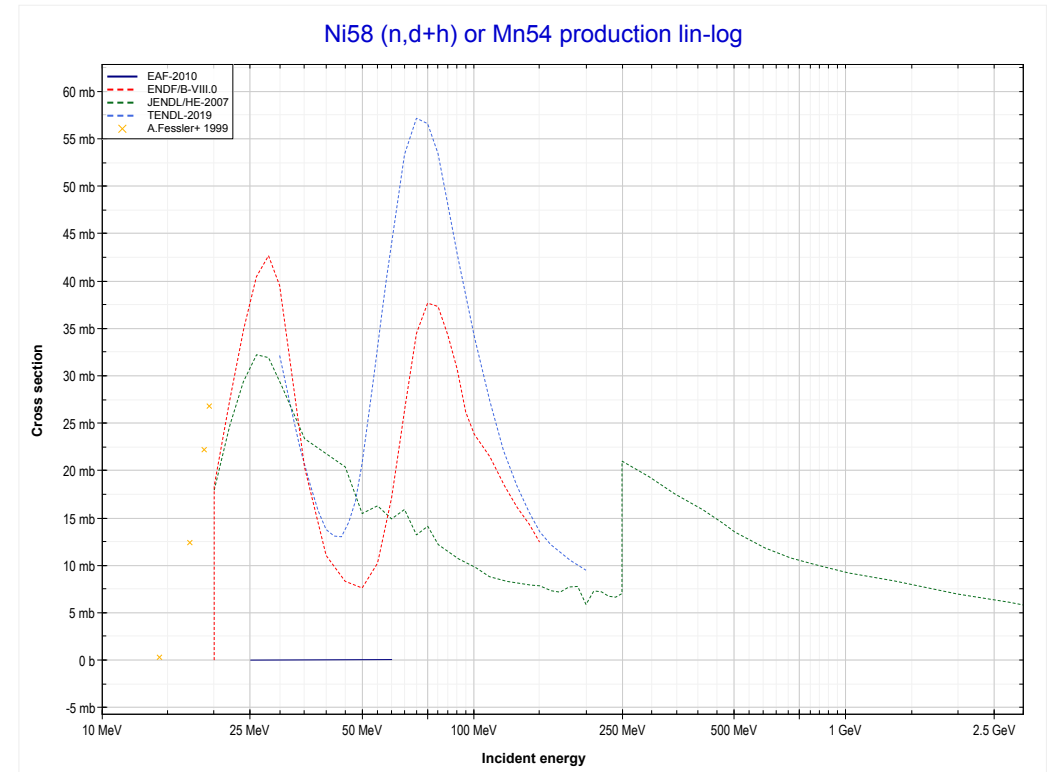
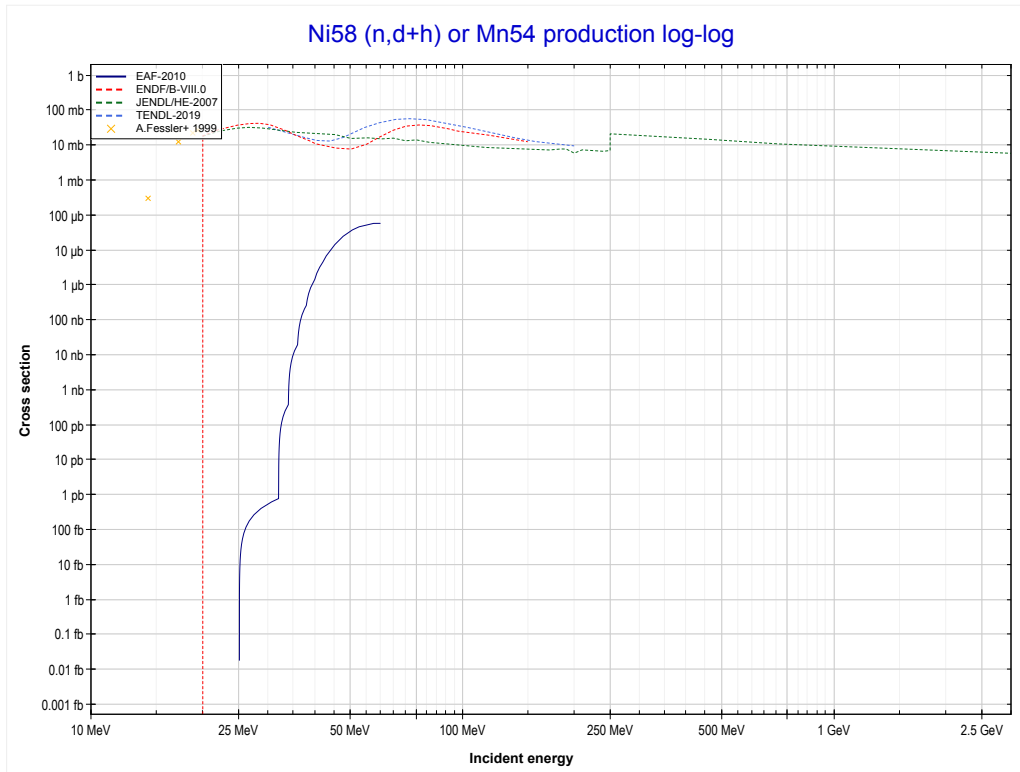
| Reaction | Q-Value |
|--------------------------|---------------|
| Ni58(n,p+ α)Mn54 | -6313.67 keV |
| Ni58(n,d+He3)Mn54 | -24666.72 keV |
| Ni58(n,2p+t)Mn54 | -26127.53 keV |
| Ni58(n,n+p+He3)Mn54 | -26891.29 keV |
| Ni58(n,p+2d)Mn54 | -30160.20 keV |
| Ni58(n,n+2p+d)Mn54 | -32384.76 keV |
| Ni58(n,2n+3p)Mn54 | -34609.33 keV |

| | | |
|------------------|--|---------------------------------|
| << 23-V-51 | 28-Ni-58 | |
| << MT112 (n,p+α) | MT186 (n,n+p+³He) or MT5 (Mn54 production) | MT192 (n,d+ ³ He) >> |



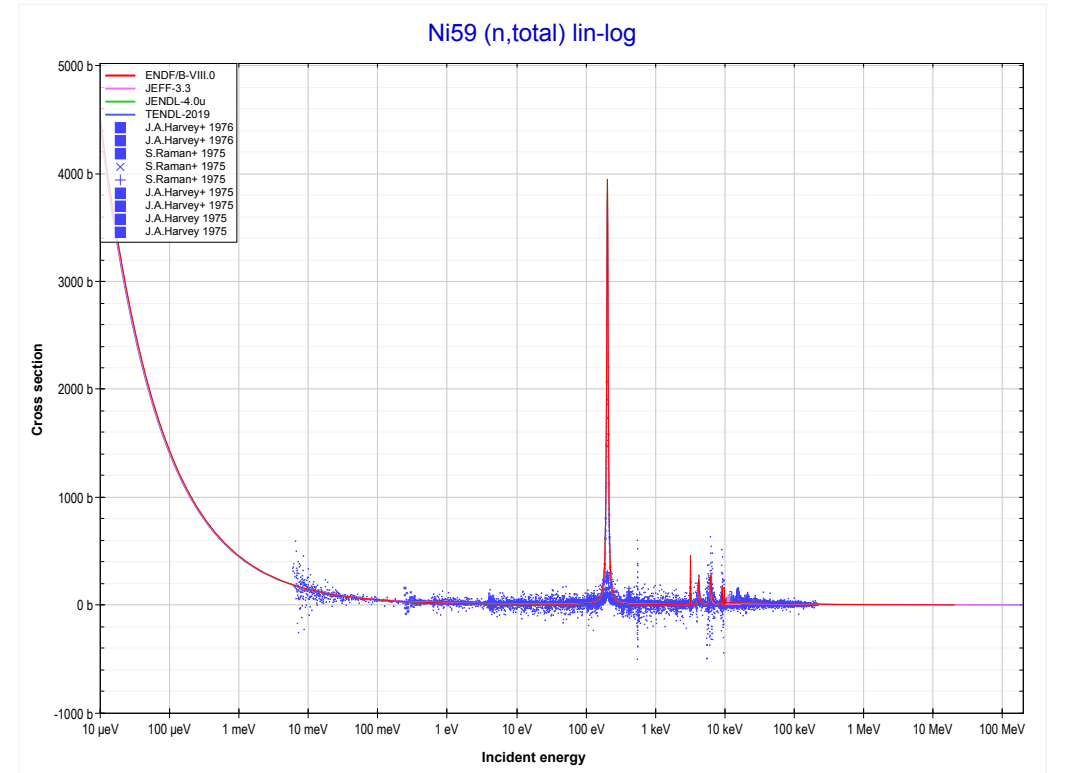
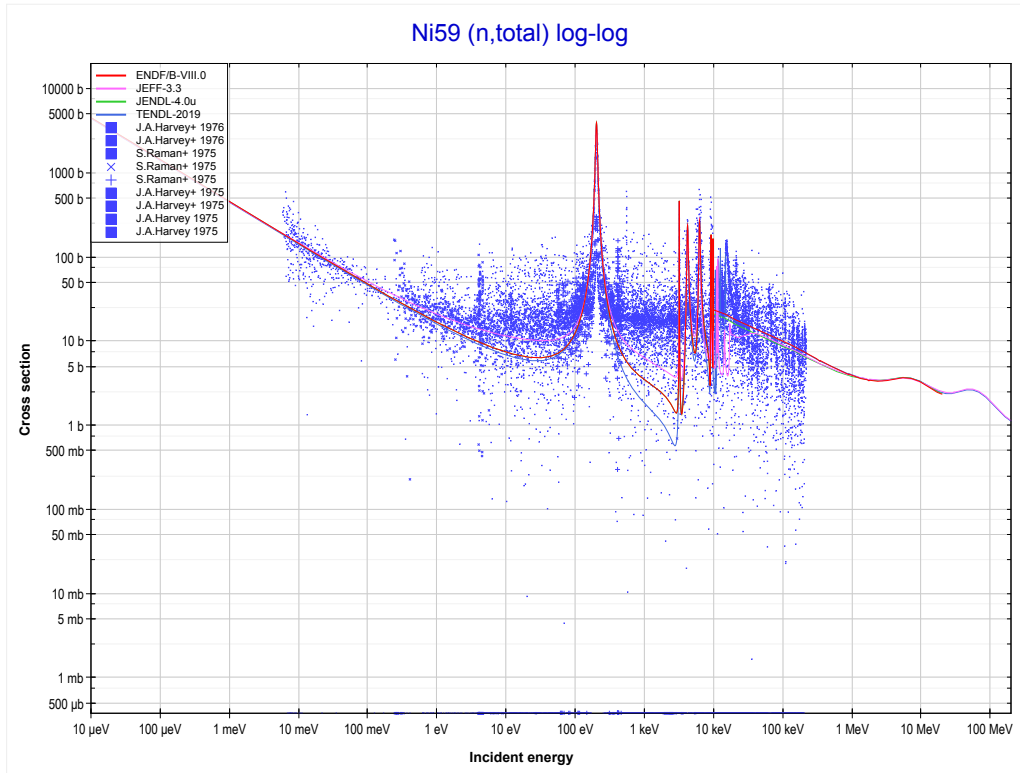
| Reaction | Q-Value |
|---------------------|---------------|
| Ni58(n,p+α)Mn54 | -6313.67 keV |
| Ni58(n,d+He3)Mn54 | -24666.72 keV |
| Ni58(n,2p+t)Mn54 | -26127.53 keV |
| Ni58(n,n+p+He3)Mn54 | -26891.29 keV |
| Ni58(n,p+2d)Mn54 | -30160.20 keV |
| Ni58(n,n+2p+d)Mn54 | -32384.76 keV |
| Ni58(n,2n+3p)Mn54 | -34609.33 keV |

| | | |
|-----------------------------------|--|---------------------------|
| << 23-V-51 | 28-Ni-58 | |
| << MT186 (n,n+p+ ³ He) | MT192 (n,d+³He) or MT5 (Mn54 production) | 28-Ni-59 MT1 (n,total) >> |



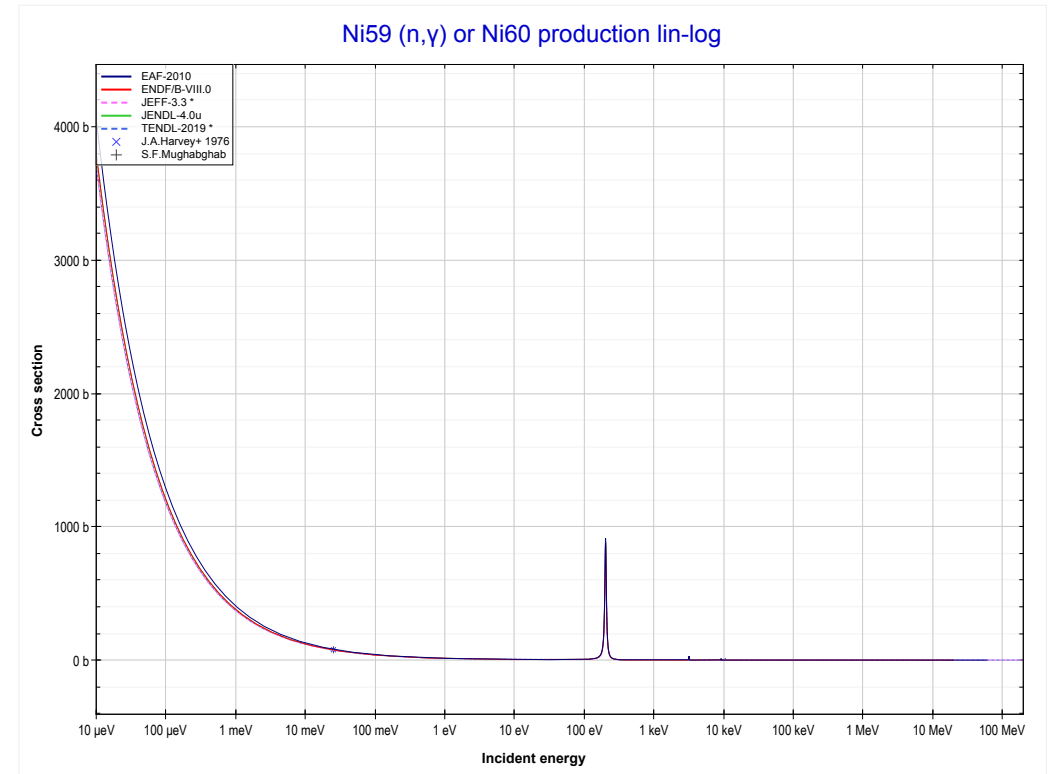
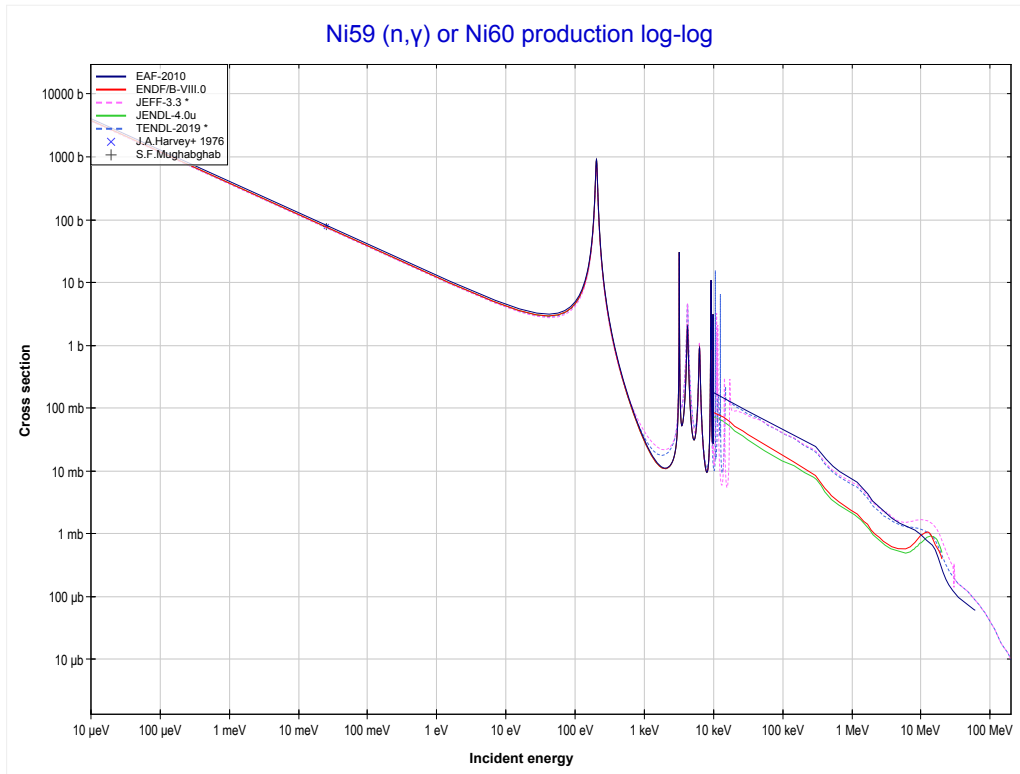
| Reaction | Q-Value |
|---------------------|---------------|
| Ni58(n,p+α)Mn54 | -6313.67 keV |
| Ni58(n,d+He3)Mn54 | -24666.72 keV |
| Ni58(n,2p+t)Mn54 | -26127.53 keV |
| Ni58(n,n+p+He3)Mn54 | -26891.29 keV |
| Ni58(n,p+2d)Mn54 | -30160.20 keV |
| Ni58(n,n+2p+d)Mn54 | -32384.76 keV |
| Ni58(n,2n+3p)Mn54 | -34609.33 keV |

| | | |
|--|----------------------|-------------------------|
| << 28-Ni-58 | 28-Ni-59 | 28-Ni-60 >> |
| << 28-Ni-58 MT192 (n,d+ ³ He) | MT1 (n,total) | MT102 (n, γ) >> |



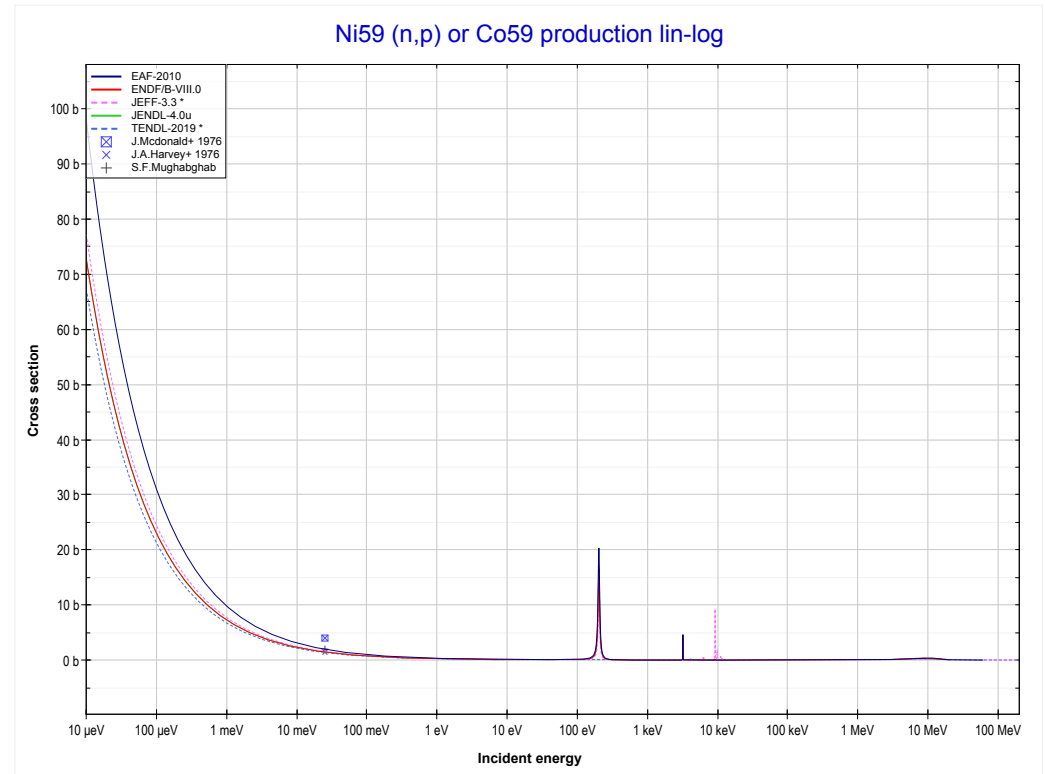
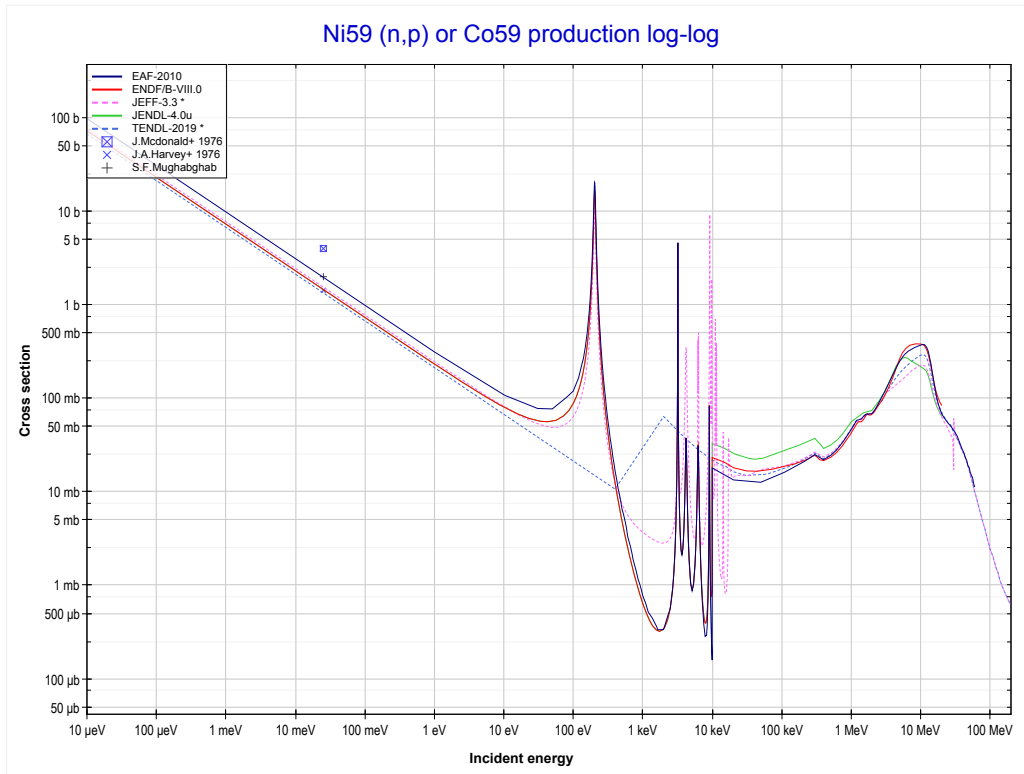
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 91.8095 b | 91.8095 b | 92.159 b | 1.00381 | 519.143 b | 4.15258 b | 2.72279 b |
| JEFF-3.3 | 94.4463 b | 94.4463 b | 95.354 b | 1.00961 | 516.774 b | 4.07281 b | 2.82816 b |
| JENDL-4.0u | 91.8095 b | 91.8095 b | 92.159 b | 1.00381 | 514.693 b | 4.02584 b | 2.767 b |
| TENDL-2019 | 89.4214 b | 89.4214 b | 89.663 b | 1.00271 | 492.008 b | 4.17795 b | 2.81761 b |

| | | |
|------------------|---|----------------|
| << 28-Ni-58 | 28-Ni-59 | 28-Ni-60 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Ni60 production) | MT103 (n,p) >> |



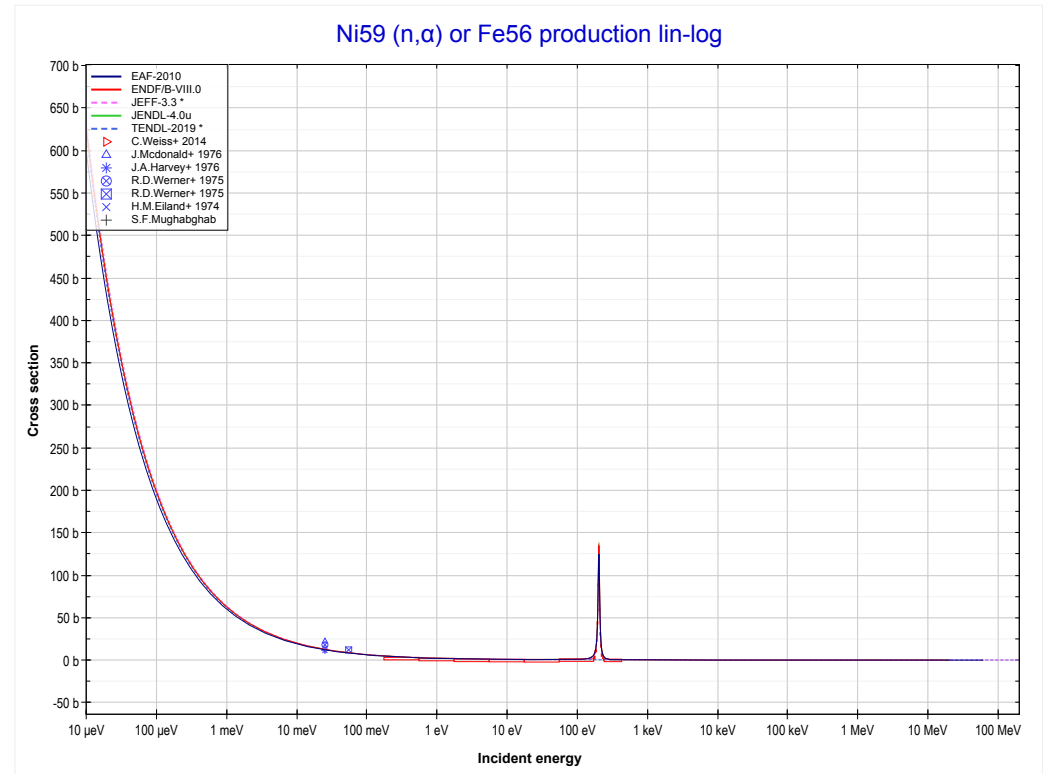
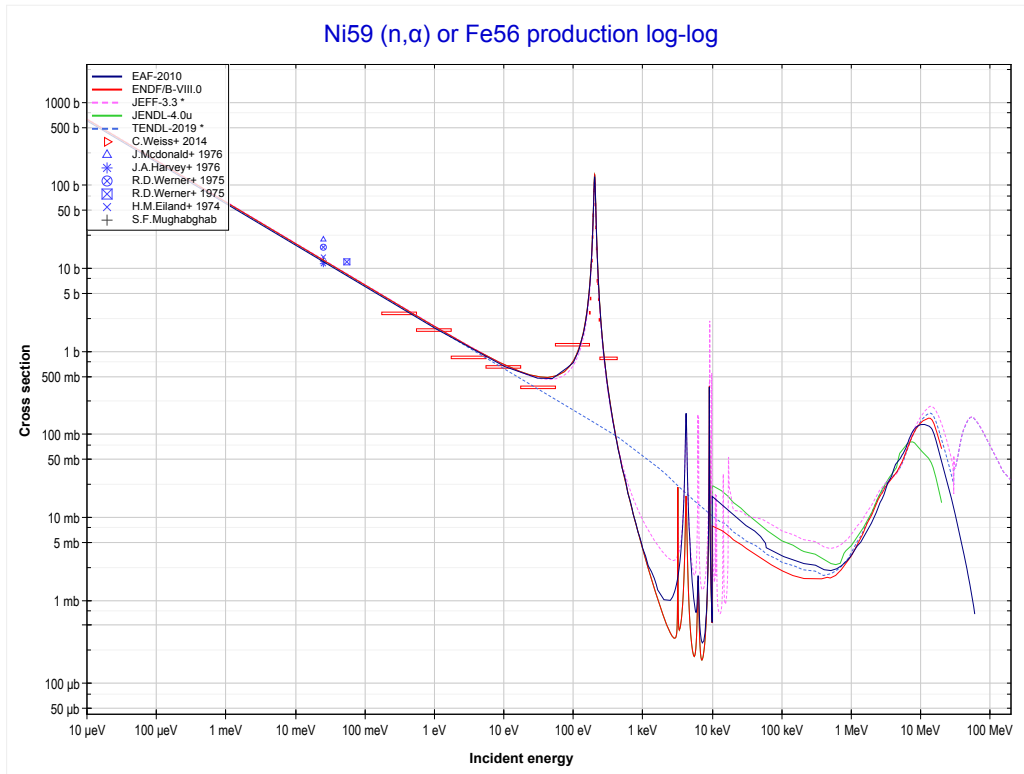
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 80.8184 b | 80.7579 b | 80.754 b | 0.99995 | 126.632 b | 0.00804569 b | 6.86853E-4 b |
| ENDF/B-VIII.0 | 75.5978 b | 75.5978 b | 75.629 b | 1.00041 | 119.851 b | 0.00285424 b | 9.49447E-4 b |
| JEFF-3.3 | 73.4648 b | 73.4648 b | 73.498 b | 1.00046 | 109.619 b | 0.00723906 b | 0.00148743 b |
| JENDL-4.0u | 75.5978 b | 75.5978 b | 75.629 b | 1.00041 | 119.835 b | 0.00253673 b | 9.289E-4 b |
| TENDL-2019 | 73.89 b | 73.89 b | 73.903 b | 1.00018 | 117.234 b | 0.00683619 b | 9.47061E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 28-Ni-58 | 28-Ni-59 | 28-Ni-60 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Co59 production) | MT107 (n, α) >> |



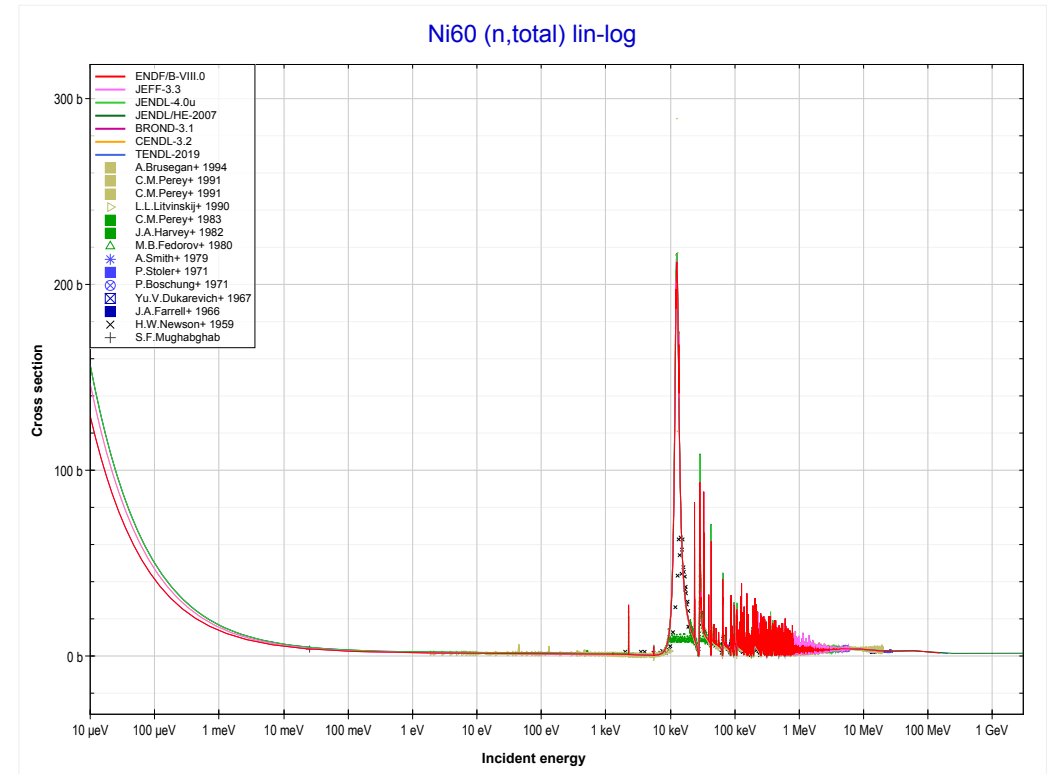
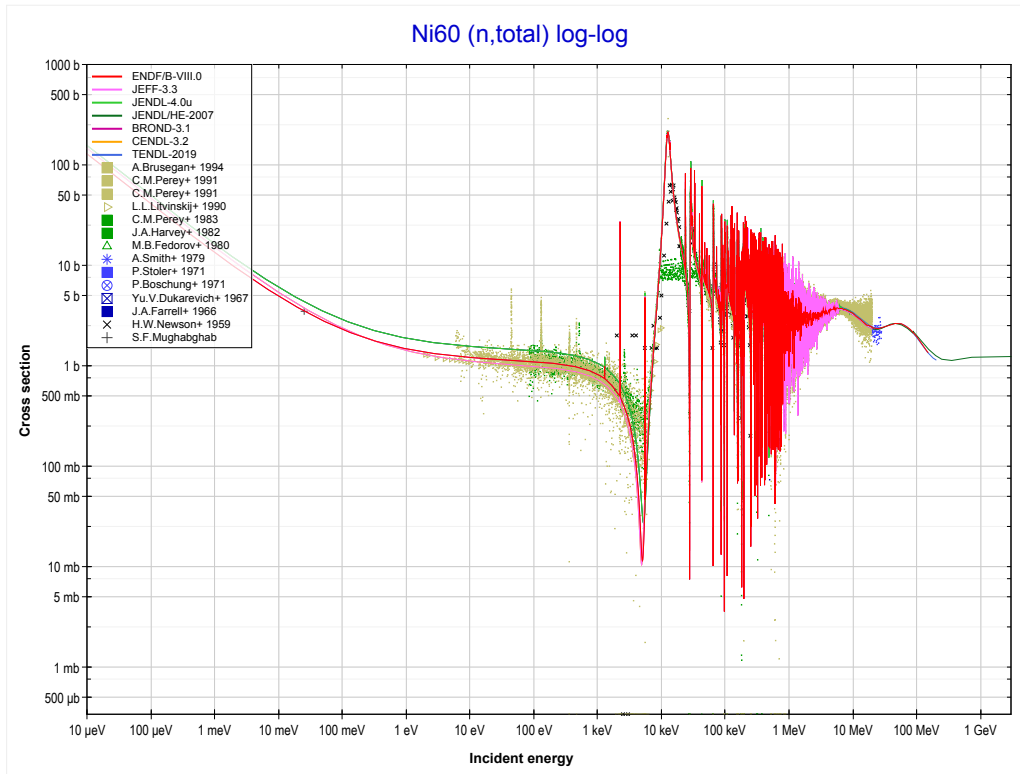
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.95526 b | 1.9538 b | 1.9551 b | 1.00065 | 3.0625 b | 0.0869138 b | 0.239402 b |
| ENDF/B-VIII.0 | 1.44839 b | 1.44839 b | 1.4495 b | 1.00075 | 2.34101 b | 0.0853315 b | 0.222877 b |
| JEFF-3.3 | 1.53715 b | 1.53715 b | 1.5378 b | 1.00043 | 1.91135 b | 0.0727275 b | 0.149821 b |
| JENDL-4.0u | 1.44839 b | 1.44839 b | 1.4495 b | 1.00075 | 2.35788 b | 0.0900757 b | 0.138 b |
| TENDL-2019 | 1.34484 b | 1.34484 b | 1.343 b | 0.99862 | 0.73074 b | 0.0776604 b | 0.188092 b |

| | | |
|----------------|---|---------------------------|
| << 28-Ni-58 | 28-Ni-59 | 28-Ni-60 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Fe56 production) | 28-Ni-60 MT1 (n,total) >> |



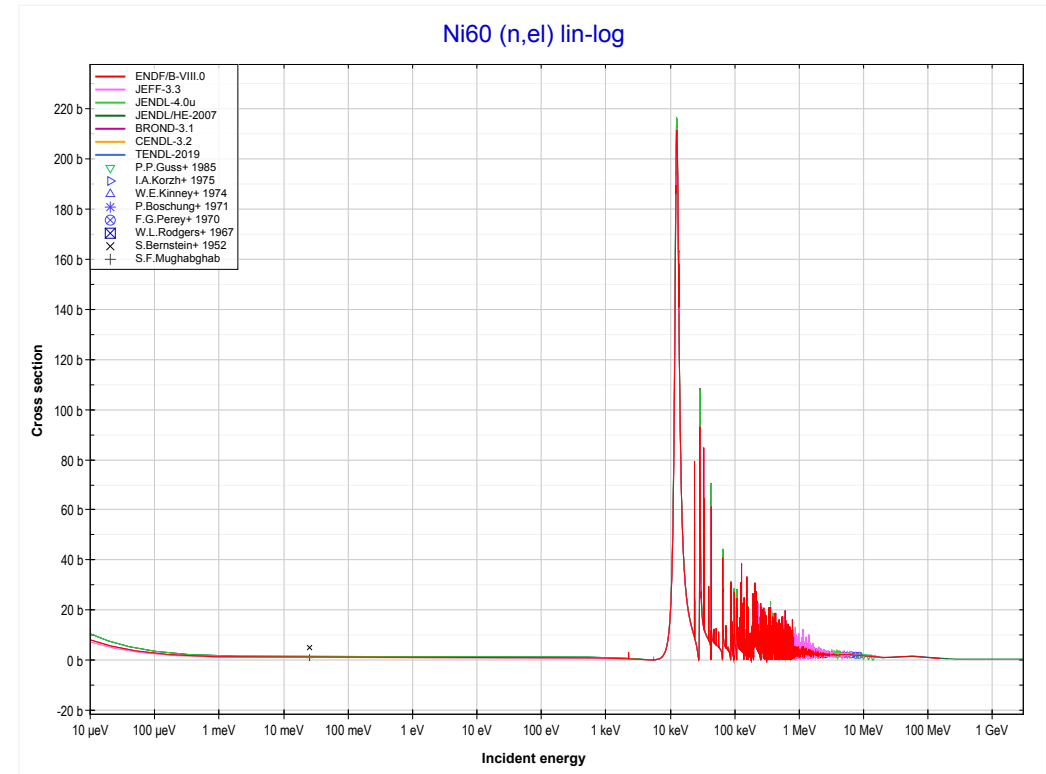
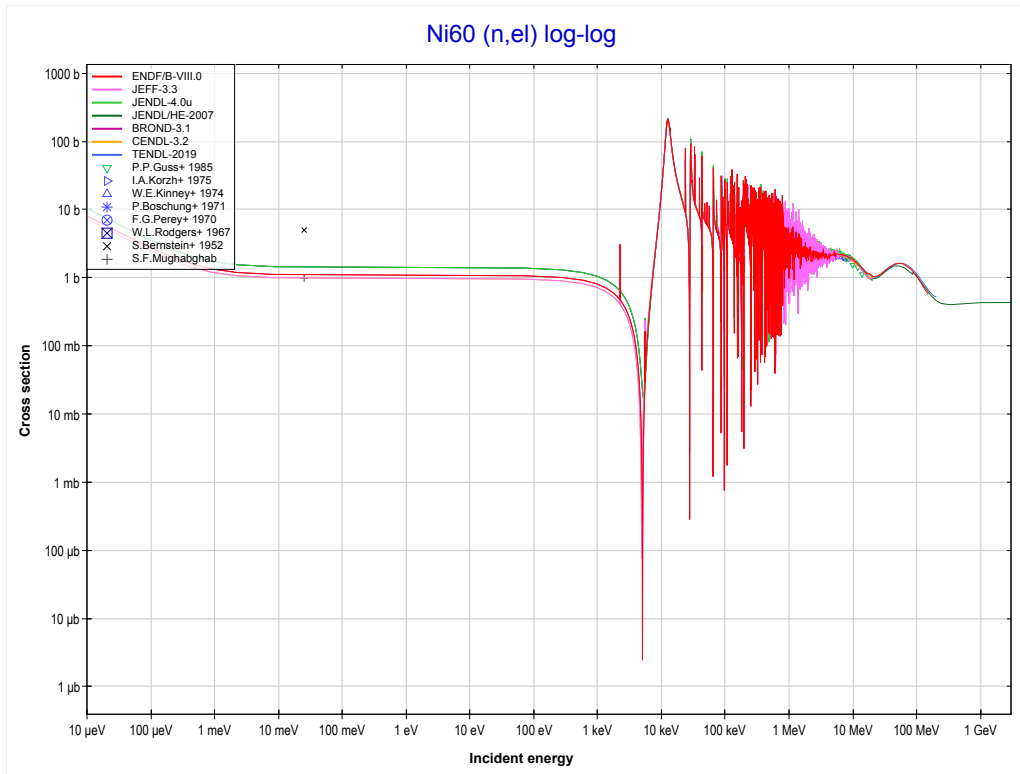
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 11.9389 b | 11.9299 b | 11.938 b | 1.00066 | 18.3842 b | 0.0146511 b | 0.121189 b |
| ENDF/B-VIII.0 | 12.4591 b | 12.4591 b | 12.48 b | 1.0017 | 19.2355 b | 0.0142311 b | 0.155571 b |
| JEFF-3.3 | 12.6796 b | 12.6796 b | 12.685 b | 1.00044 | 17.6256 b | 0.0170236 b | 0.218683 b |
| JENDL-4.0u | 12.4591 b | 12.4591 b | 12.48 b | 1.0017 | 19.2539 b | 0.0160126 b | 0.04688 b |
| TENDL-2019 | 12.3426 b | 12.3426 b | 12.326 b | 0.99862 | 5.49922 b | 0.0146245 b | 0.180118 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 28-Ni-59 | 28-Ni-60 | 28-Ni-61 >> |
| << 28-Ni-59 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



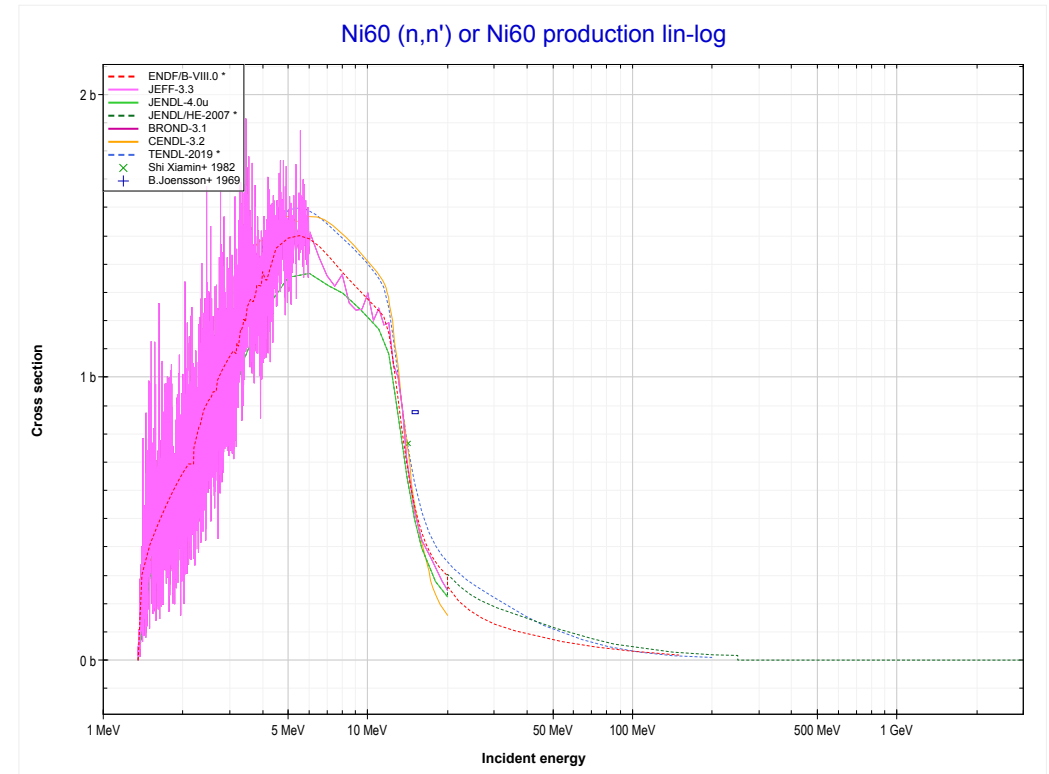
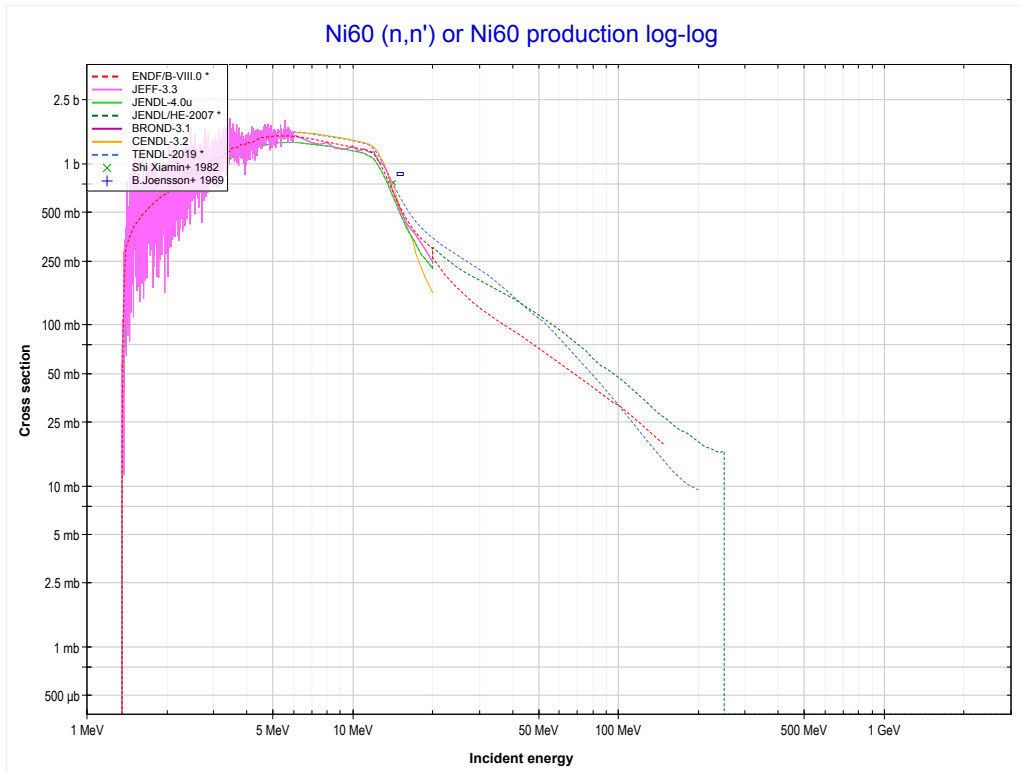
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.50035 b | 3.50035 b | 3.6422 b | 1.04053 | 80.9508 b | 3.46678 b | 2.77742 b |
| JEFF-3.3 | 3.74937 b | 3.74937 b | 3.8767 b | 1.03395 | 80.1361 b | 3.4615 b | 2.72306 b |
| JENDL-4.0u | 4.32892 b | 4.32892 b | 4.5132 b | 1.04258 | 85.8199 b | 3.63144 b | 2.76128 b |
| JENDL/HE-2007 | 4.32804 b | 4.32804 b | 4.5116 b | 1.04241 | 85.8124 b | 3.63153 b | 2.76128 b |
| BROND-3.1 | 3.49986 b | 3.49986 b | 3.642 b | 1.0406 | 80.9538 b | 3.45964 b | 2.72306 b |
| CENDL-3.2 | 3.74856 b | 3.74856 b | 3.8751 b | 1.03375 | 80.1317 b | 3.48484 b | 2.77055 b |
| TENDL-2019 | 4.32804 b | 4.32804 b | 4.5116 b | 1.04241 | 85.8124 b | 3.56789 b | 2.8529 b |

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|------------------|------------------------|---------------|
| << 28-Ni-58 | 28-Ni-60 | 28-Ni-61 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



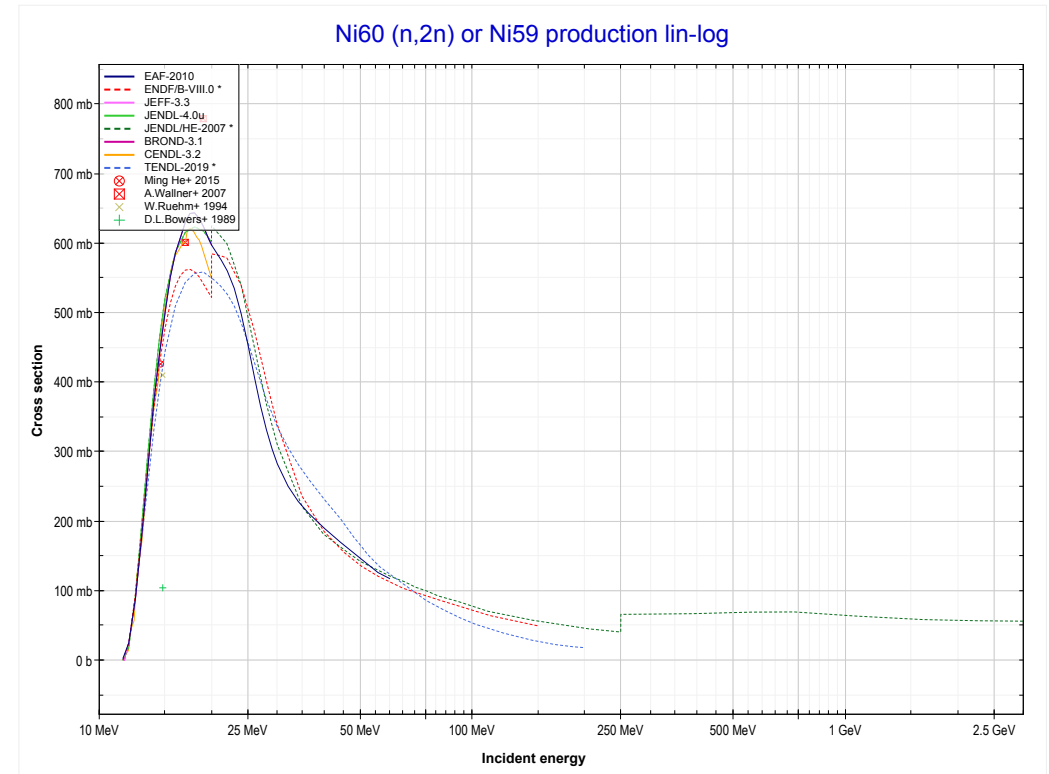
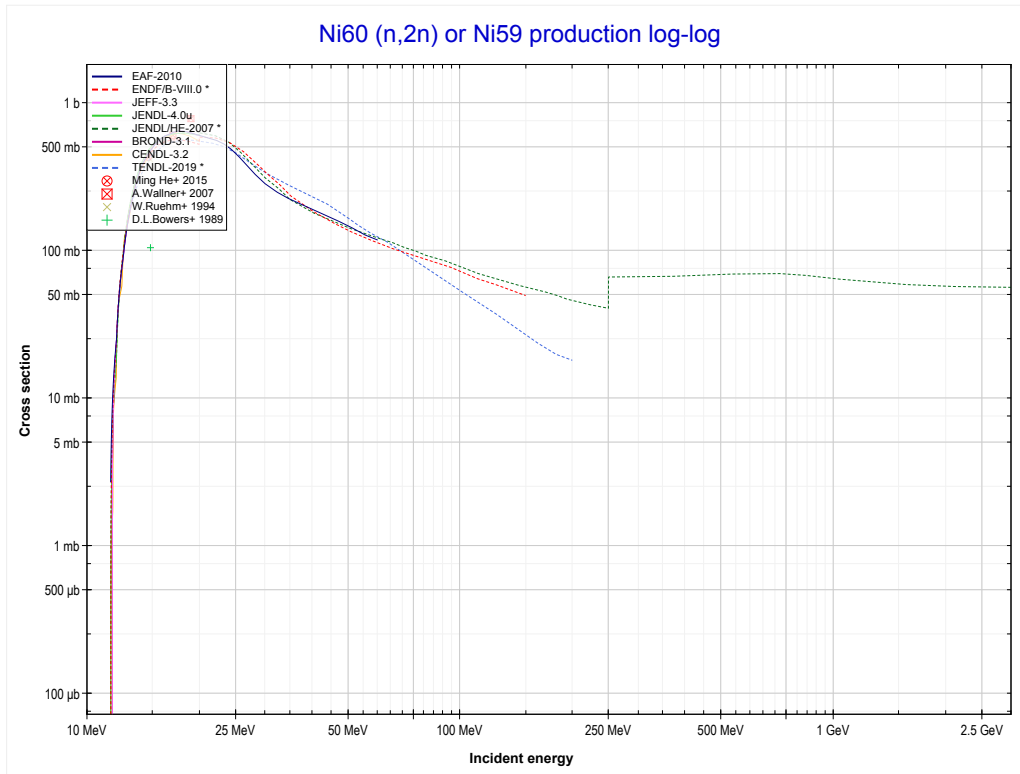
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.09939 b | 1.09939 b | 1.2405 b | 1.12834 | 79.7167 b | 2.92938 b | 1.37738 b |
| JEFF-3.3 | 0.984817 b | 0.984817 b | 1.1112 b | 1.12834 | 78.7632 b | 2.93495 b | 1.2769 b |
| JENDL-4.0u | 1.42836 b | 1.42836 b | 1.6117 b | 1.12834 | 84.3872 b | 3.17699 b | 1.34178 b |
| JENDL/HE-2007 | 1.42836 b | 1.42836 b | 1.6118 b | 1.1284 | 84.3809 b | 3.17702 b | 1.34178 b |
| BROND-3.1 | 1.09939 b | 1.09939 b | 1.2405 b | 1.12834 | 79.7194 b | 2.9332 b | 1.2769 b |
| CENDL-3.2 | 0.984817 b | 0.984817 b | 1.1113 b | 1.1284 | 78.7602 b | 2.92583 b | 1.33249 b |
| TENDL-2019 | 1.42836 b | 1.42836 b | 1.6118 b | 1.1284 | 84.3809 b | 2.99138 b | 1.38943 b |

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|--------------------|--|----------------|
| << 28-Ni-58 | 28-Ni-60 | 28-Ni-62 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ni60 production) | MT16 (n,2n) >> |



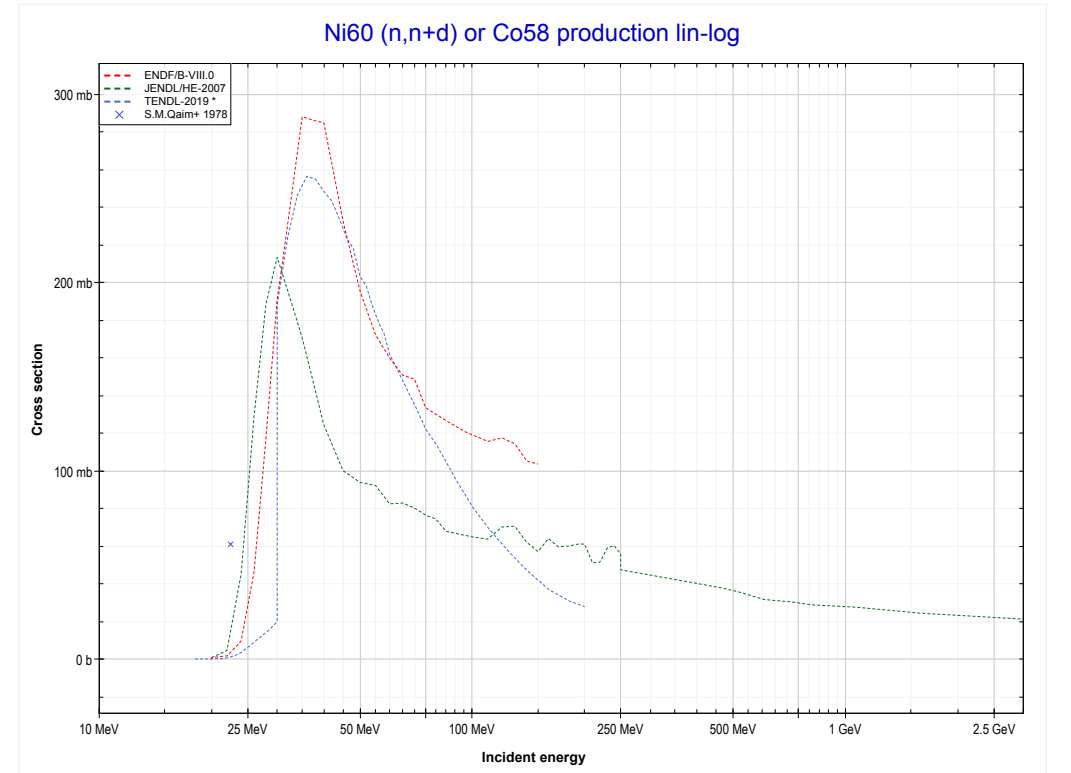
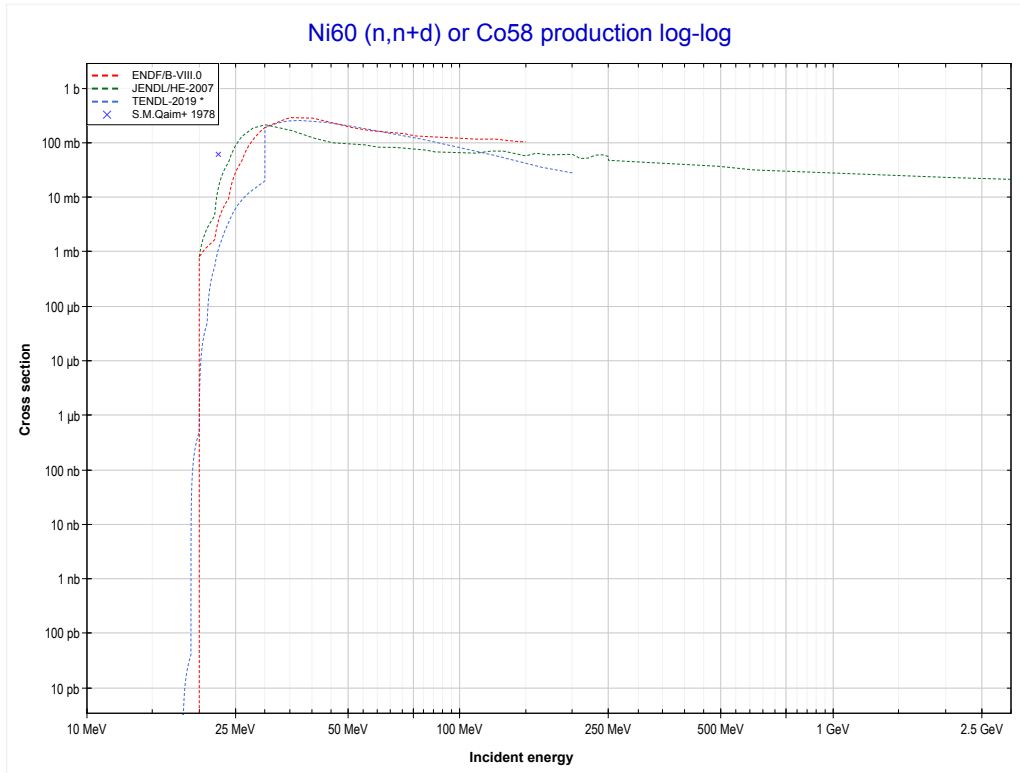
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.528397 b | 0.69911 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.516301 b | 0.715609 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.443576 b | 0.65703 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.443566 b | 0.65703 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.516298 b | 0.715609 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.548592 b | 0.775092 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.566072 b | 0.785397 b |

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|---------------|---|-----------------|
| << 28-Ni-58 | 28-Ni-60 | 28-Ni-64 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ni59 production) | MT32 (n,n+d) >> |



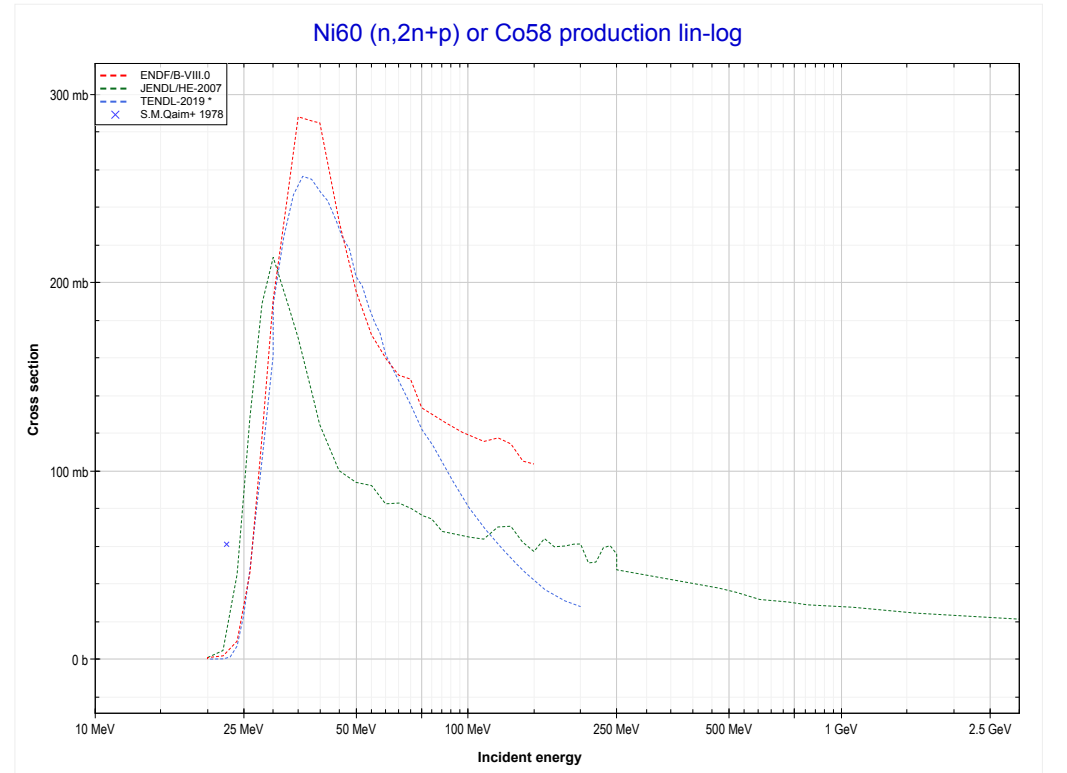
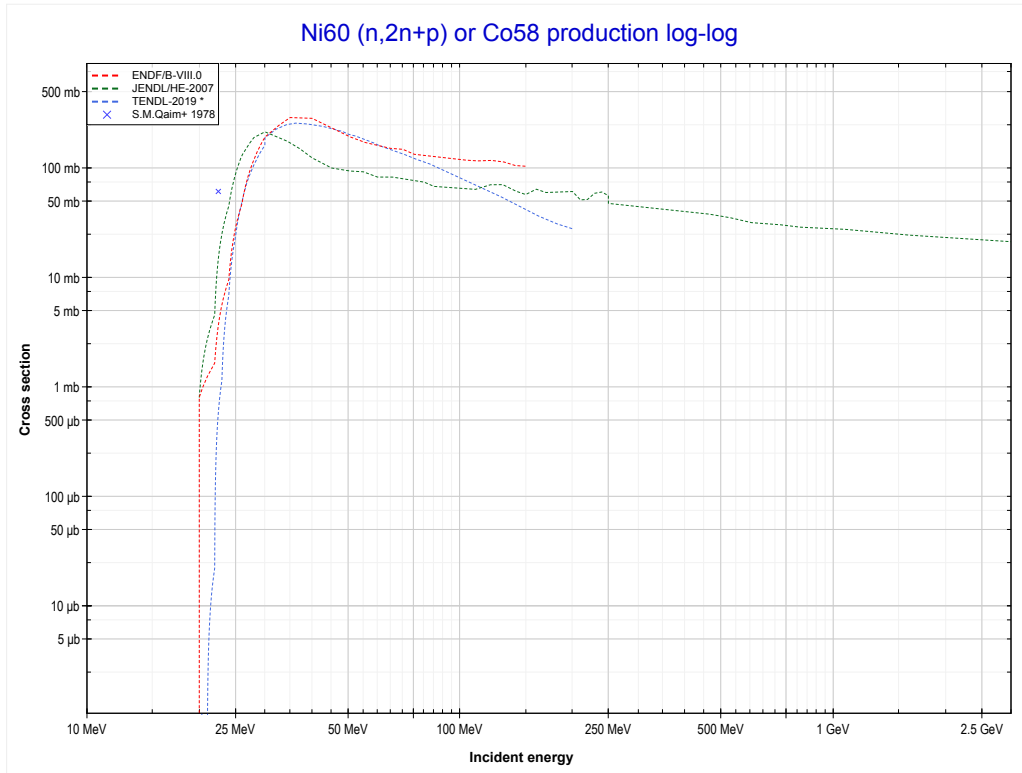
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14574E-4 b | 0.37196 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12024E-4 b | 0.360769 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14157E-4 b | 0.37196 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.18693E-4 b | 0.388097 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18679E-4 b | 0.388097 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14157E-4 b | 0.37196 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12451E-4 b | 0.361925 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05029E-4 b | 0.330137 b |

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|----------------|--|------------------|
| << 28-Ni-58 | 28-Ni-60 | 30-Zn-64 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (Co58 production) | MT41 (n,2n+p) >> |



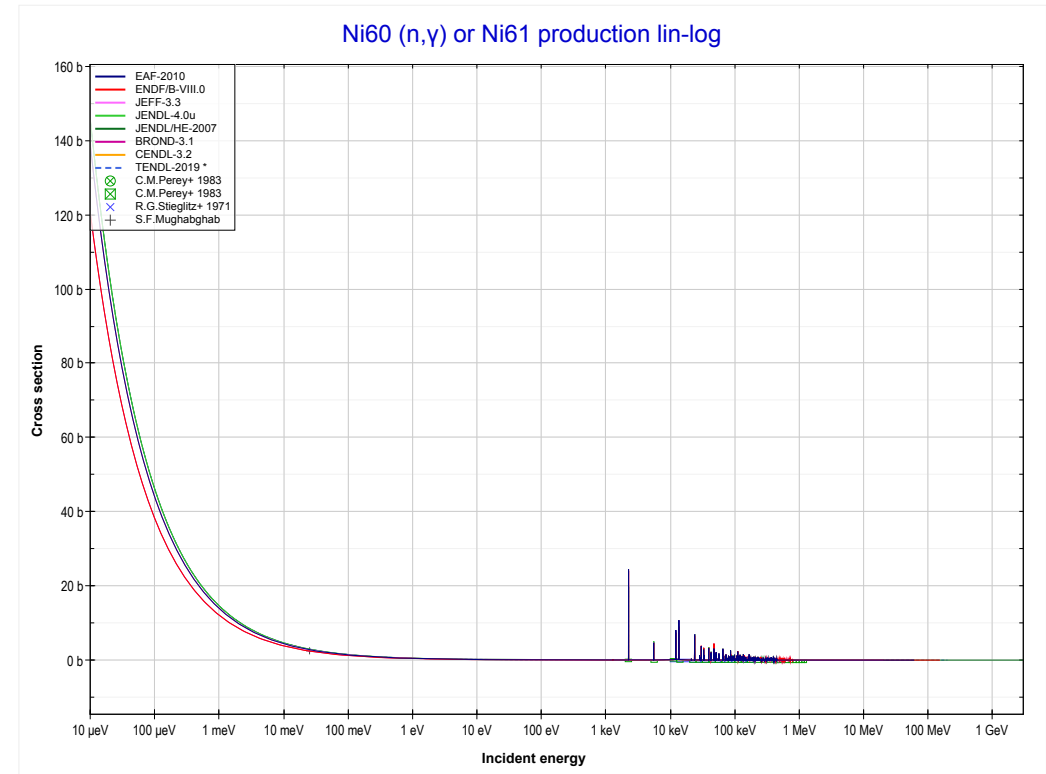
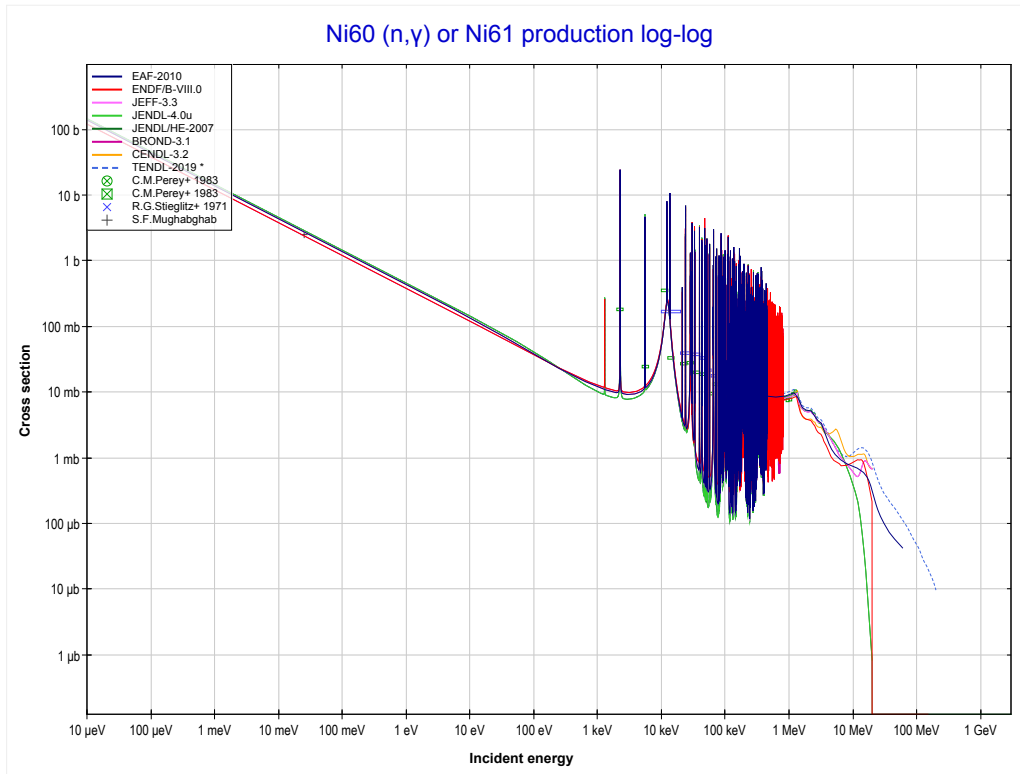
| Reaction | Q-Value |
|------------------|---------------|
| Ni60(n,t)Co58 | -11504.39 keV |
| Ni60(n,n+d)Co58 | -17761.62 keV |
| Ni60(n,2n+p)Co58 | -19986.19 keV |

| | | |
|-----------------|---|-------------------------|
| << 28-Ni-58 | 28-Ni-60 | 30-Zn-64 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Co58 production) | MT102 (n, γ) >> |



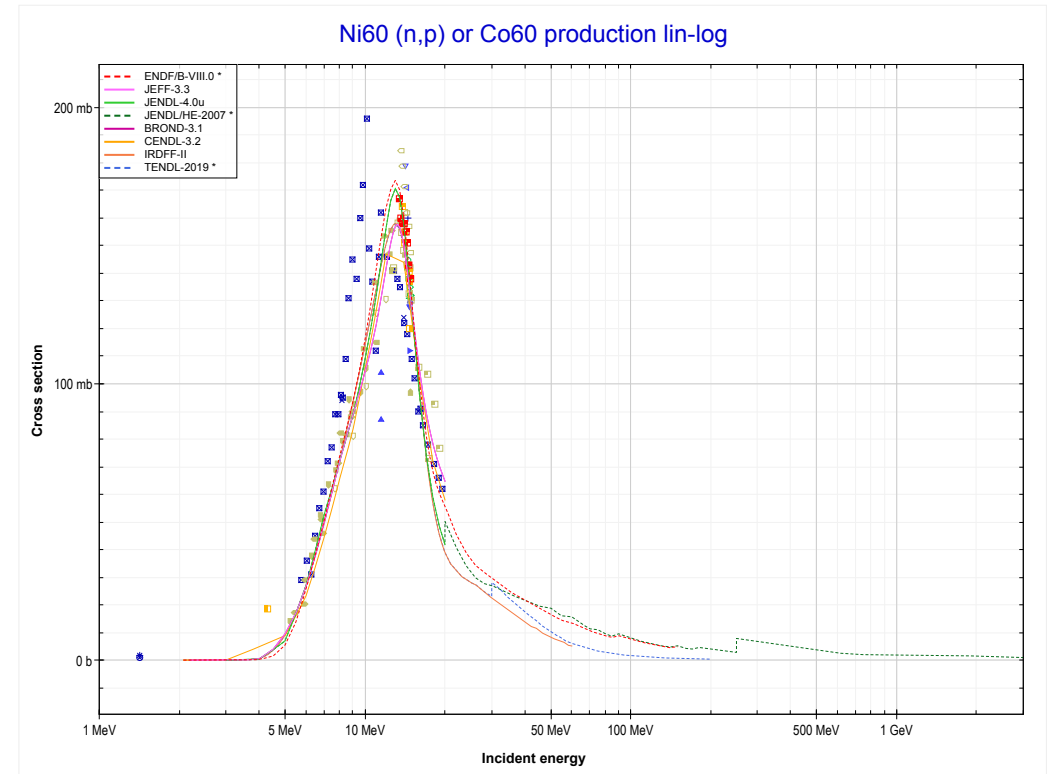
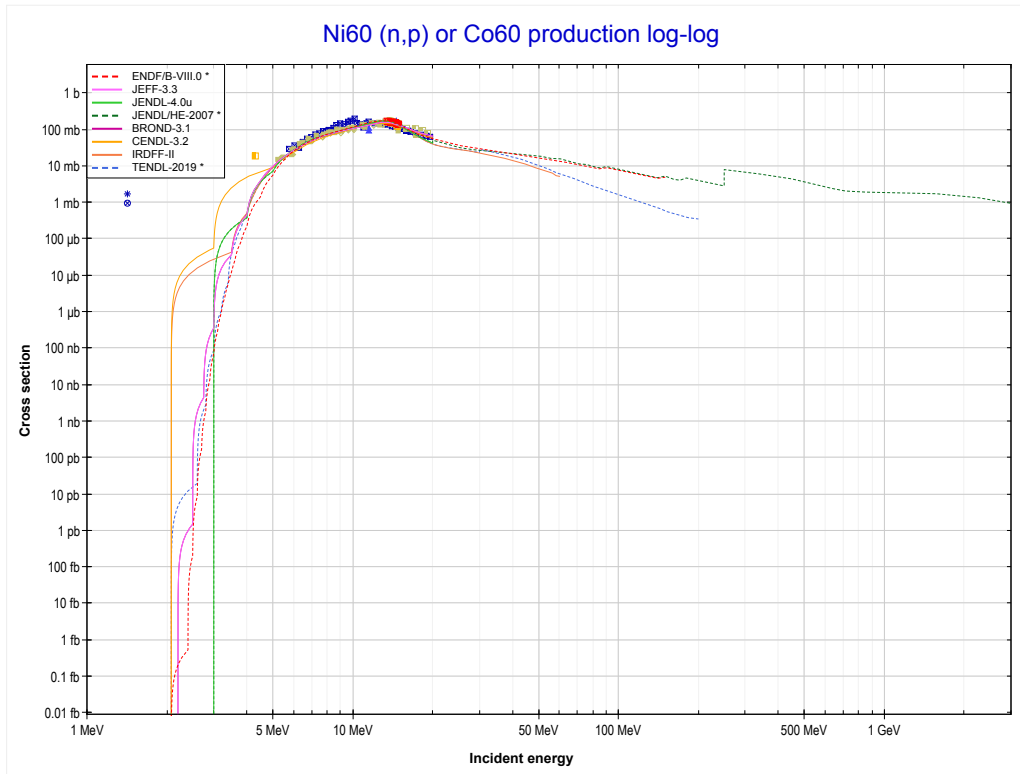
| Reaction | Q-Value |
|------------------|---------------|
| Ni60(n,t)Co58 | -11504.39 keV |
| Ni60(n,n+d)Co58 | -17761.62 keV |
| Ni60(n,2n+p)Co58 | -19986.19 keV |

| | | |
|------------------|---|----------------|
| << 28-Ni-59 | 28-Ni-60 | 28-Ni-61 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ni61 production) | MT103 (n,p) >> |



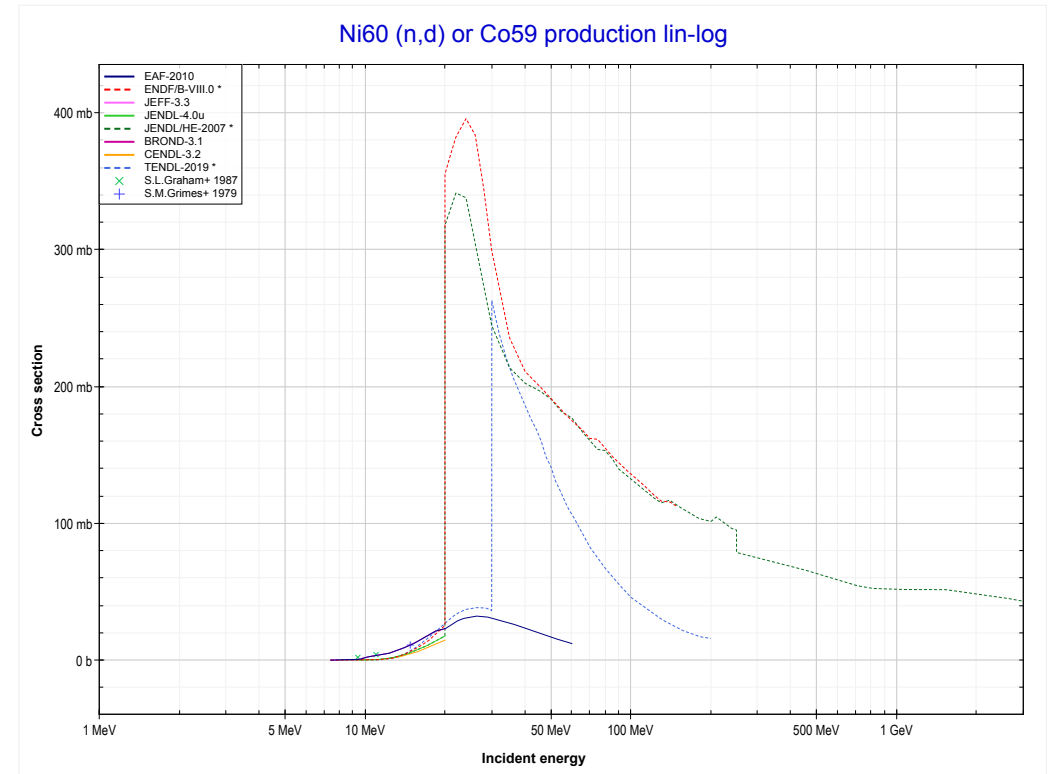
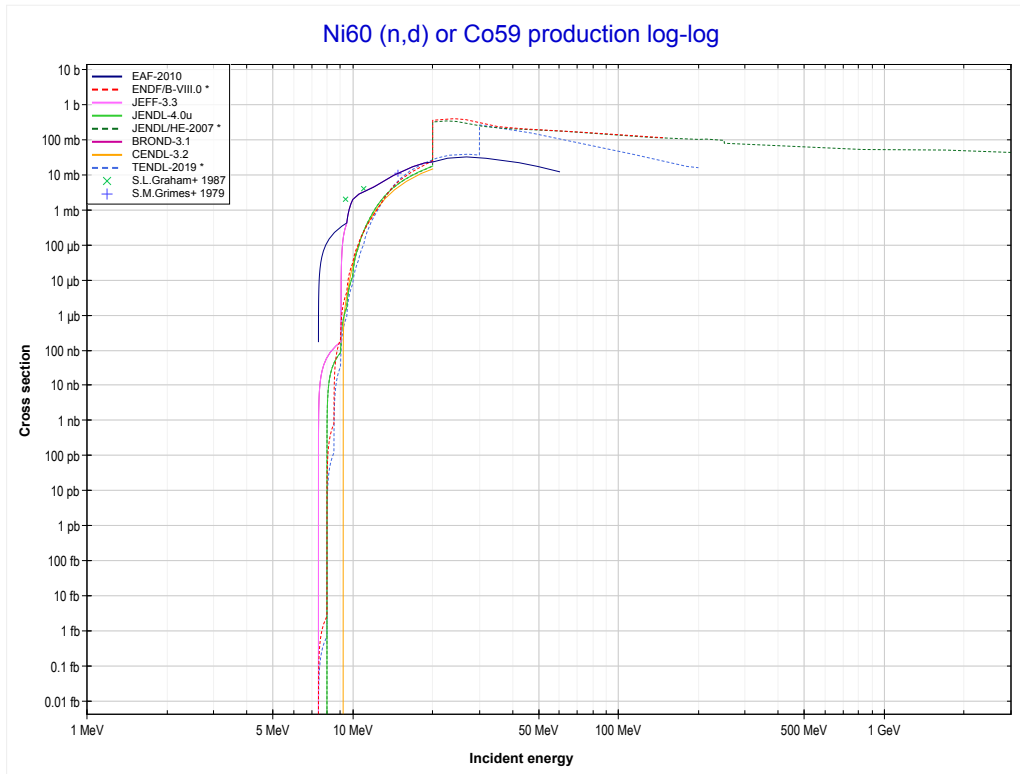
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.7638 b | 2.76179 b | 2.7618 b | 1.00004 | 1.37048 b | 0.00648551 b | 6.14585E-4 b |
| ENDF/B-VIII.0 | 2.40096 b | 2.40096 b | 2.4017 b | 1.00032 | 1.2341 b | 0.00543567 b | 9.10378E-4 b |
| JEFF-3.3 | 2.76456 b | 2.76456 b | 2.7654 b | 1.00032 | 1.37285 b | 0.00628005 b | 7.596E-4 b |
| JENDL-4.0u | 2.90056 b | 2.90056 b | 2.9016 b | 1.00034 | 1.43276 b | 0.00642578 b | 6.96522E-5 b |
| JENDL/HE-2007 | 2.89967 b | 2.89967 b | 2.8998 b | 1.00004 | 1.43034 b | 0.00642518 b | 6.96522E-5 b |
| BROND-3.1 | 2.40047 b | 2.40047 b | 2.4015 b | 1.00042 | 1.23446 b | 0.00616845 b | 7.596E-4 b |
| CENDL-3.2 | 2.76374 b | 2.76374 b | 2.7638 b | 1.00001 | 1.37054 b | 0.00606933 b | 0.00113003 b |
| TENDL-2019 | 2.89967 b | 2.89967 b | 2.8998 b | 1.00004 | 1.43034 b | 0.00701602 b | 0.00141539 b |

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|-------------------------|---|----------------|
| << 28-Ni-59 | 28-Ni-60 | 28-Ni-61 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Co60 production) | MT104 (n,d) >> |



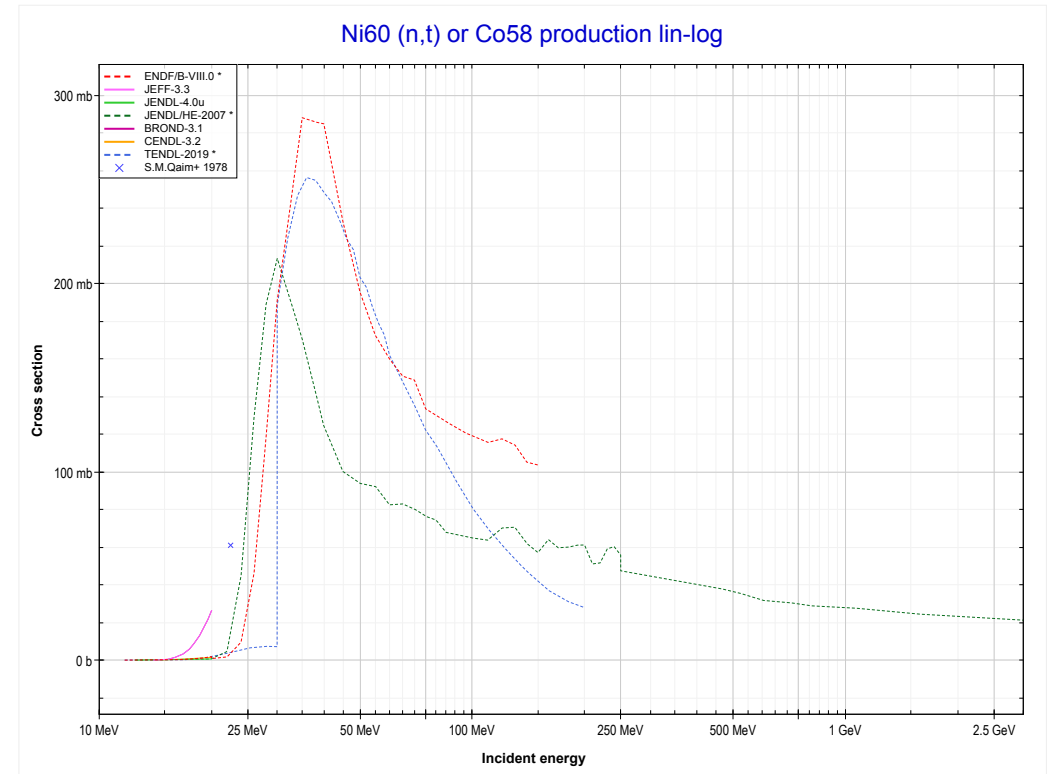
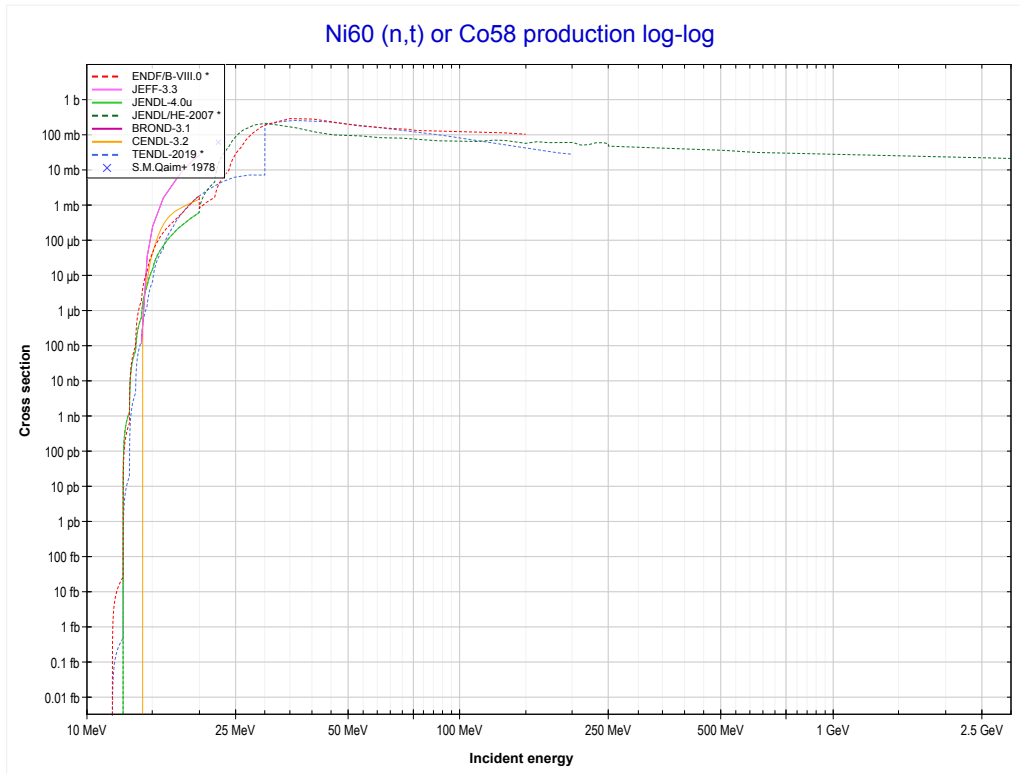
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233771 b | 0.159972 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247964 b | 0.1502 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00248703 b | 0.15769 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00248703 b | 0.15769 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247964 b | 0.1502 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00267931 b | 0.14398 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00248277 b | 0.149688 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0024782 b | 0.149688 b |

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|----------------|---|----------------|
| << 28-Ni-58 | 28-Ni-60 | 28-Ni-61 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Co59 production) | MT105 (n,t) >> |



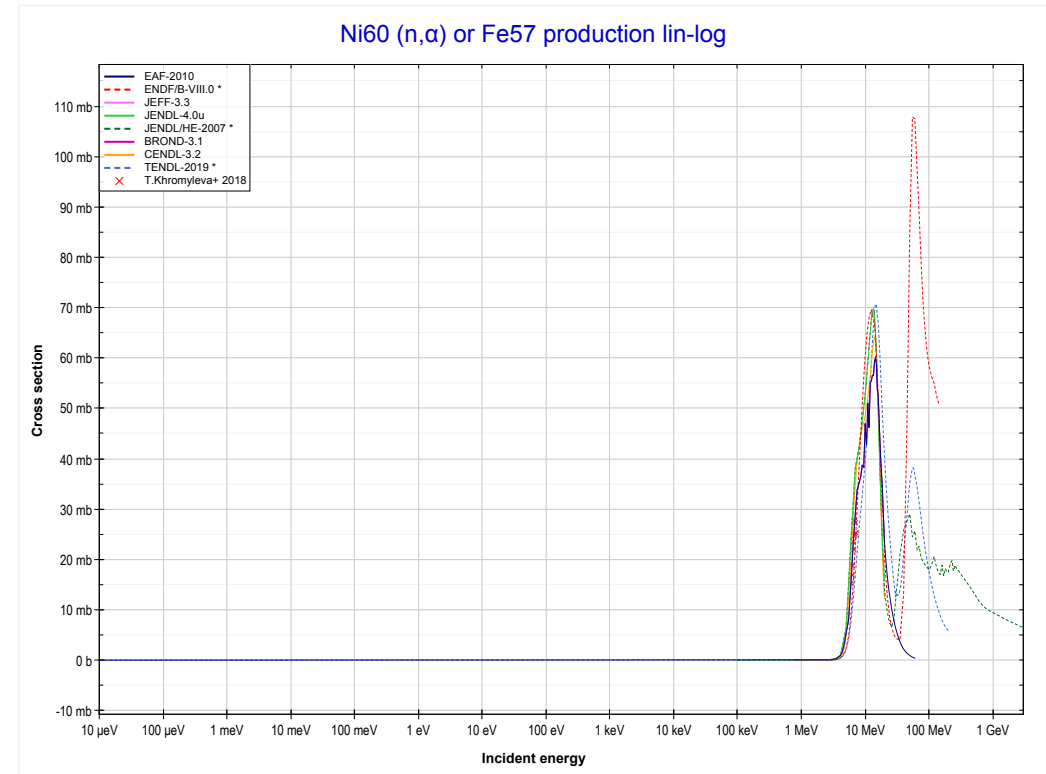
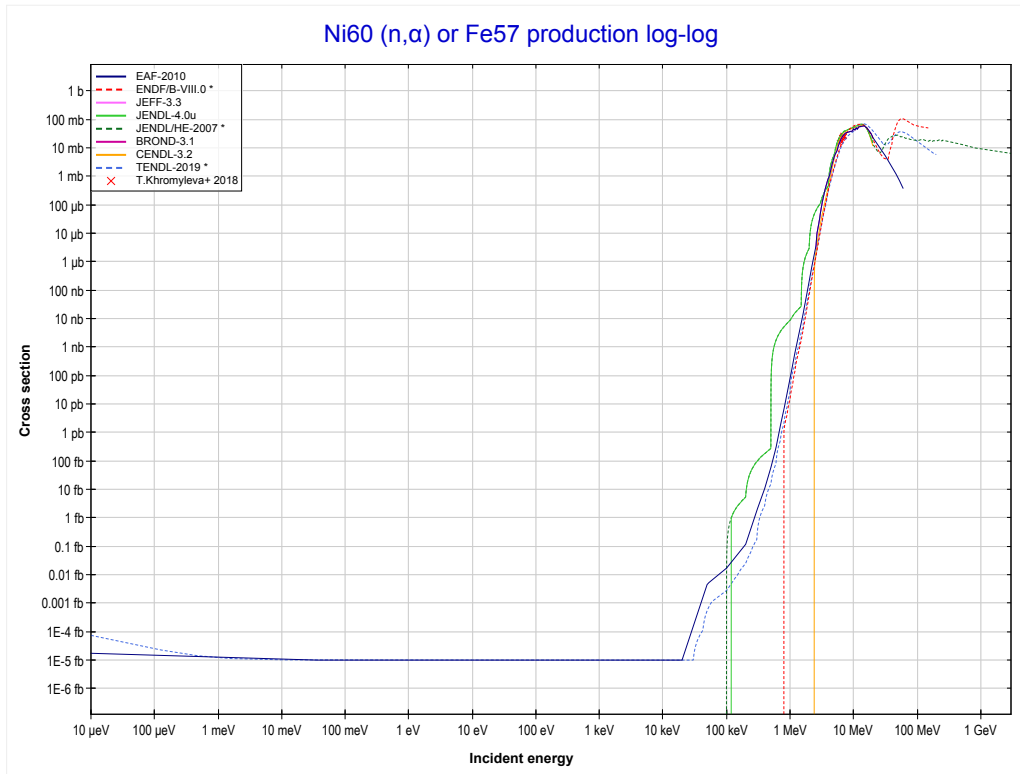
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05767E-5 b | 0.008947 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.90704E-6 b | 0.00404322 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.33805E-6 b | 0.008947 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.83502E-6 b | 0.0038776 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.83483E-6 b | 0.0038776 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.33805E-6 b | 0.008947 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55679E-6 b | 0.00314482 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.82281E-6 b | 0.00415379 b |

| | | |
|----------------|---|-------------------------|
| << 28-Ni-58 | 28-Ni-60 | 29-Cu-Nat >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Co58 production) | MT107 (n, α) >> |



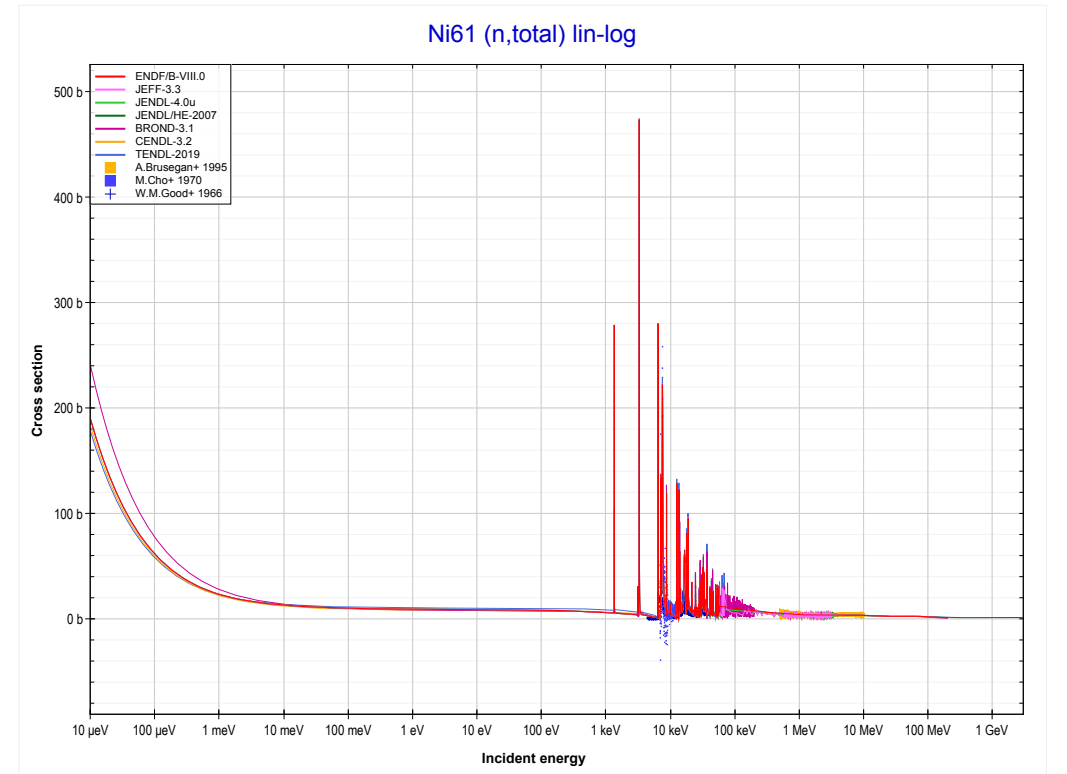
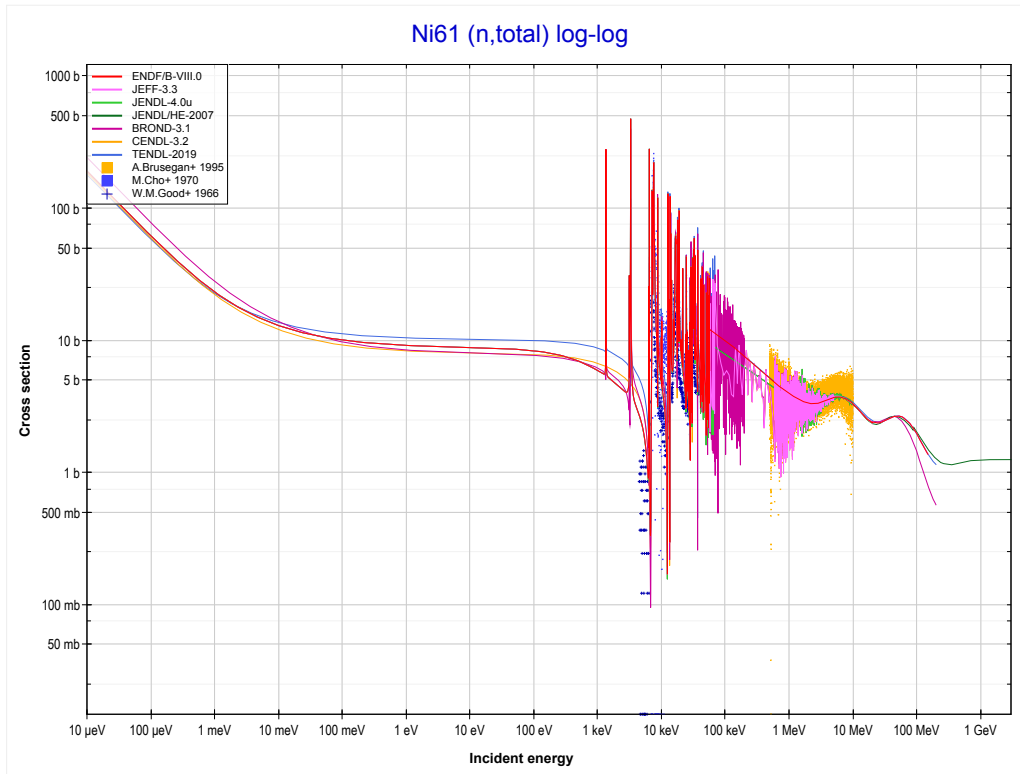
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57287E-8 b | 1.93437E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7987E-7 b | 1.1823E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.55964E-9 b | 6.46683E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.55875E-9 b | 6.46683E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7987E-7 b | 1.1823E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15836E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11126E-8 b | 1.38784E-7 b |

| | | |
|----------------|---|---------------------------|
| << 28-Ni-59 | 28-Ni-60 | 28-Ni-61 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Fe57 production) | 28-Ni-61 MT1 (n,total) >> |



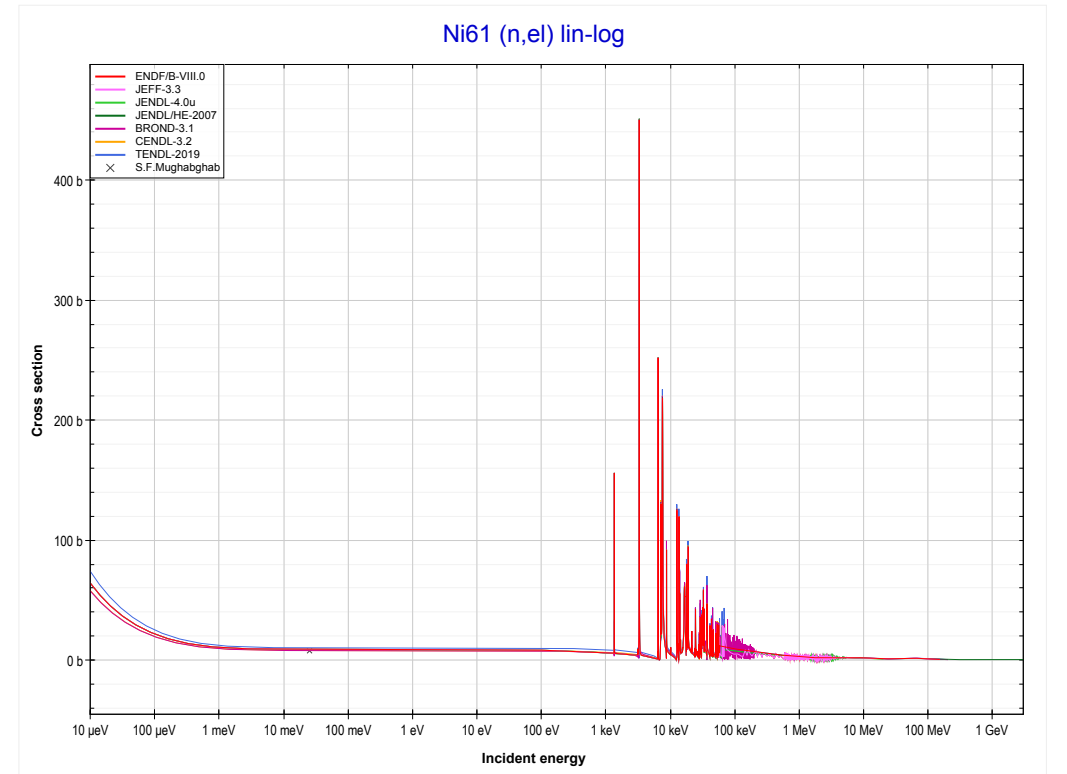
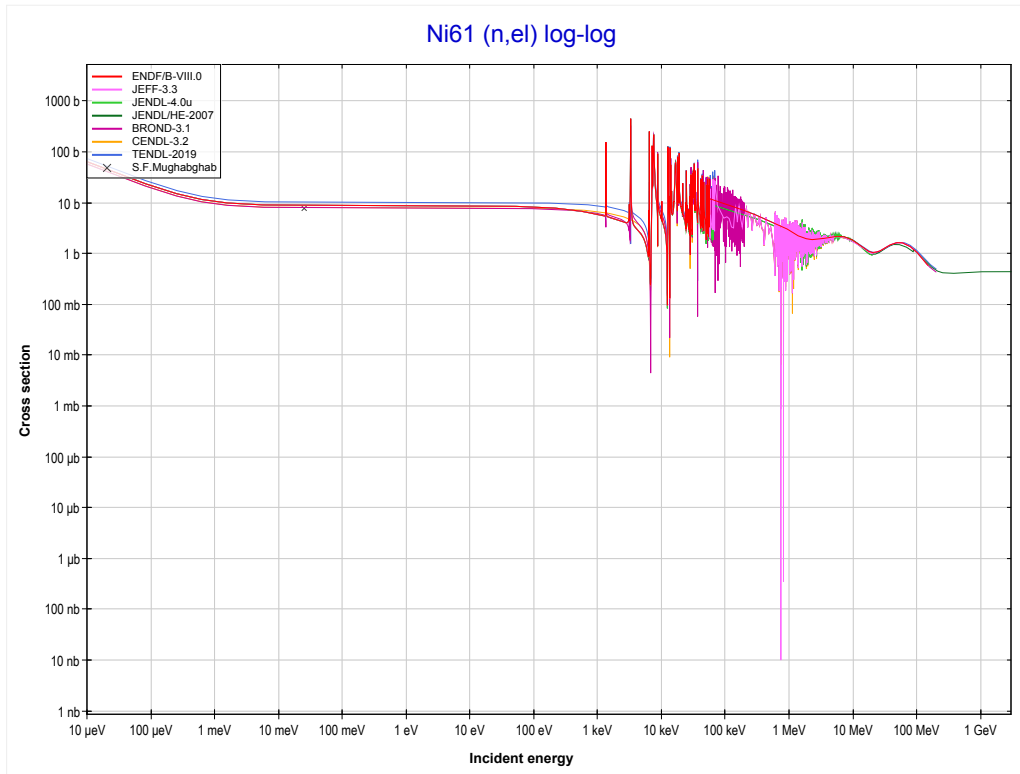
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1419E-20 b | 1.14276 | 7.46848E-18 b | 0.00131712 b | 0.059333 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00107138 b | 0.0666815 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00131698 b | 0.059333 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178311 b | 0.0682563 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178312 b | 0.0682563 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00131698 b | 0.059333 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00151262 b | 0.0641175 b |
| TENDL-2019 | 1.0084E-20 b | 1.0084E-20 b | 1.1379E-20 b | 1.12842 | 1.30218E-18 b | 7.98117E-4 b | 0.0690722 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << 28-Ni-60 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



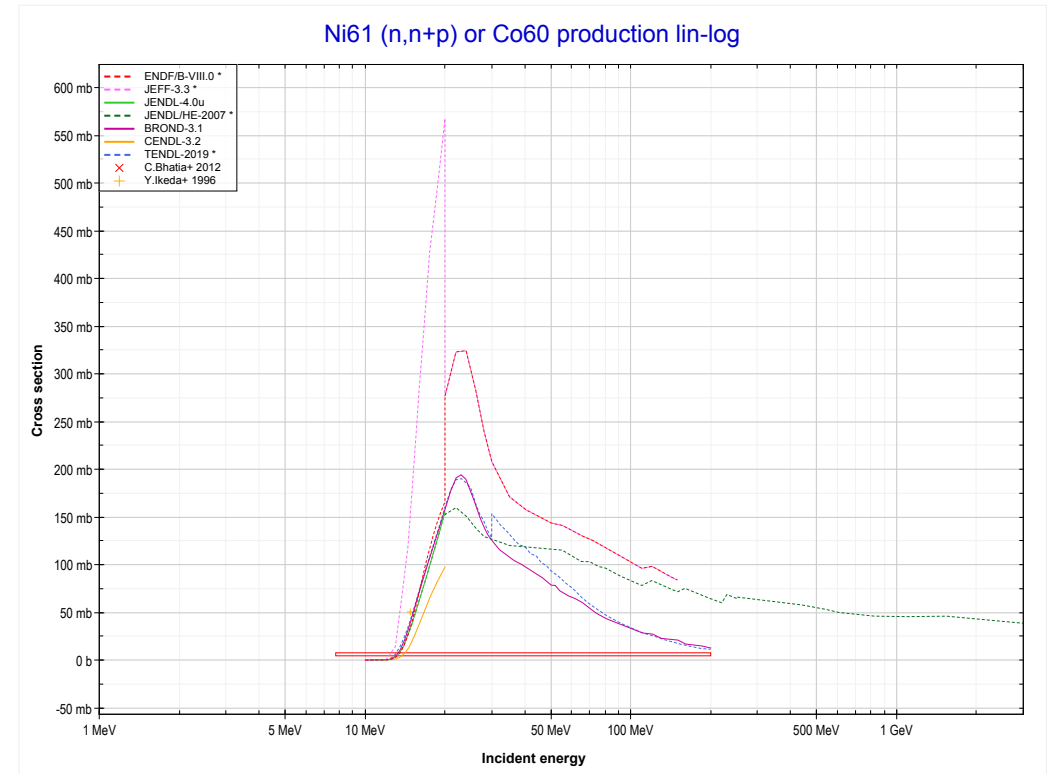
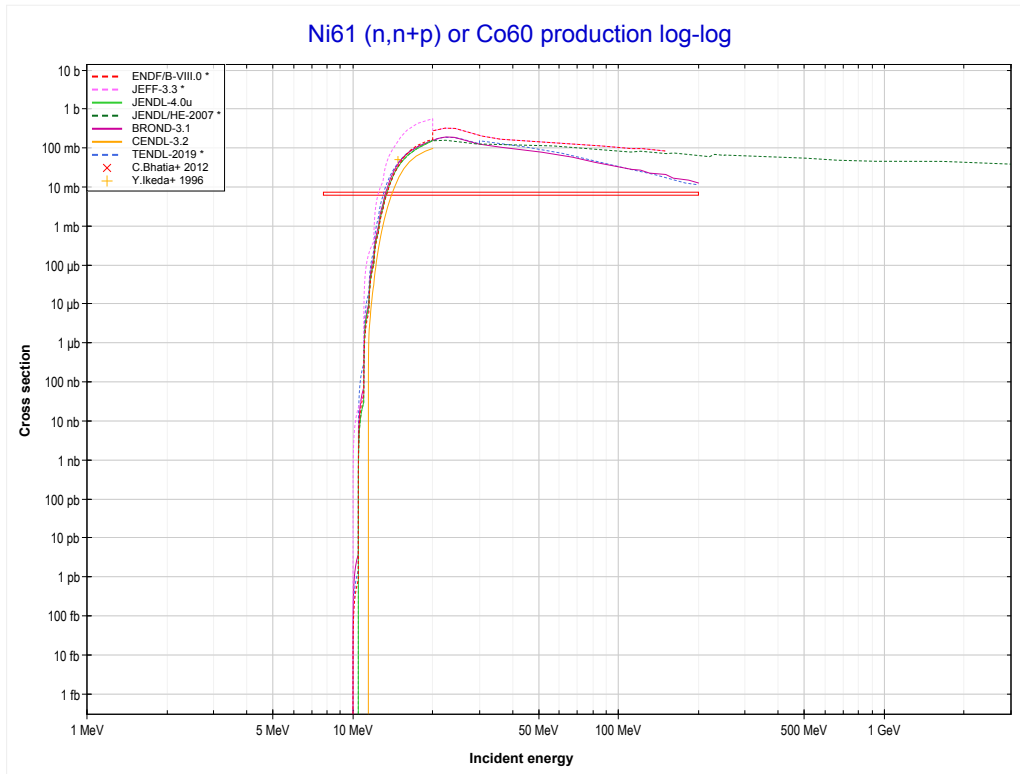
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.3123 b | 11.3123 b | 12.443 b | 1.09994 | 114.76 b | 4.13203 b | 2.76374 b |
| JEFF-3.3 | 11.3123 b | 11.3123 b | 12.443 b | 1.09994 | 113.615 b | 3.58169 b | 2.75545 b |
| JENDL-4.0u | 11.3123 b | 11.3123 b | 12.443 b | 1.09994 | 112.581 b | 3.84292 b | 2.76128 b |
| JENDL/HE-2007 | 11.3115 b | 11.3115 b | 12.442 b | 1.09993 | 112.611 b | 3.84385 b | 2.76128 b |
| BROND-3.1 | 11.5567 b | 11.5567 b | 12.572 b | 1.08786 | 107.356 b | 3.64668 b | 2.76421 b |
| CENDL-3.2 | 10.4564 b | 10.4564 b | 11.478 b | 1.09774 | 106.075 b | 3.5823 b | 2.78351 b |
| TENDL-2019 | 12.2282 b | 12.2282 b | 13.532 b | 1.10659 | 130.29 b | 4.19192 b | 2.87583 b |

| | | |
|------------------|------------------------|-----------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



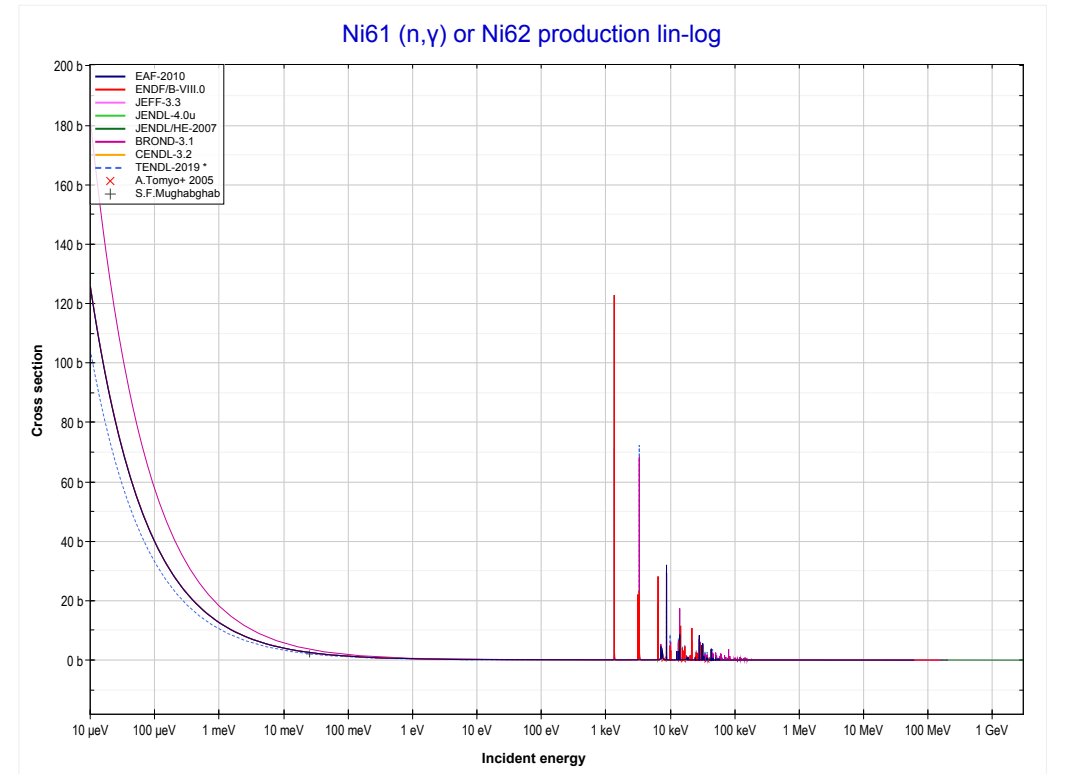
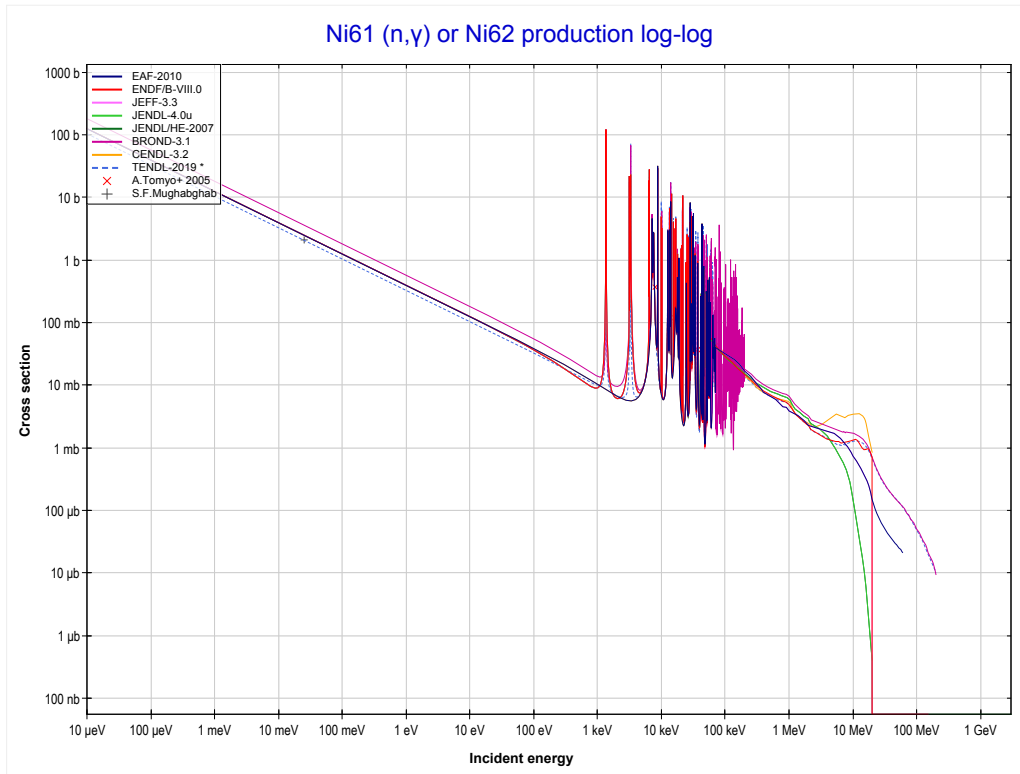
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.80285 b | 8.80285 b | 9.9326 b | 1.12833 | 112.207 b | 2.92624 b | 1.36046 b |
| JEFF-3.3 | 8.80285 b | 8.80285 b | 9.9326 b | 1.12833 | 111.132 b | 2.34436 b | 1.30224 b |
| JENDL-4.0u | 8.80285 b | 8.80285 b | 9.9326 b | 1.12833 | 110.11 b | 2.63536 b | 1.27639 b |
| JENDL/HE-2007 | 8.80285 b | 8.80285 b | 9.9331 b | 1.1284 | 110.134 b | 2.63484 b | 1.27639 b |
| BROND-3.1 | 7.9033 b | 7.9033 b | 8.9176 b | 1.12834 | 104.447 b | 2.38822 b | 1.30231 b |
| CENDL-3.2 | 7.95821 b | 7.95821 b | 8.9801 b | 1.12841 | 104.466 b | 2.29332 b | 1.33134 b |
| TENDL-2019 | 10.1497 b | 10.1497 b | 11.453 b | 1.12841 | 128.324 b | 2.93318 b | 1.39413 b |

| | | |
|--------------------|--|-------------------------|
| << 28-Ni-58 | 28-Ni-61 | 28-Ni-62 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Co60 production) | MT102 (n, γ) >> |



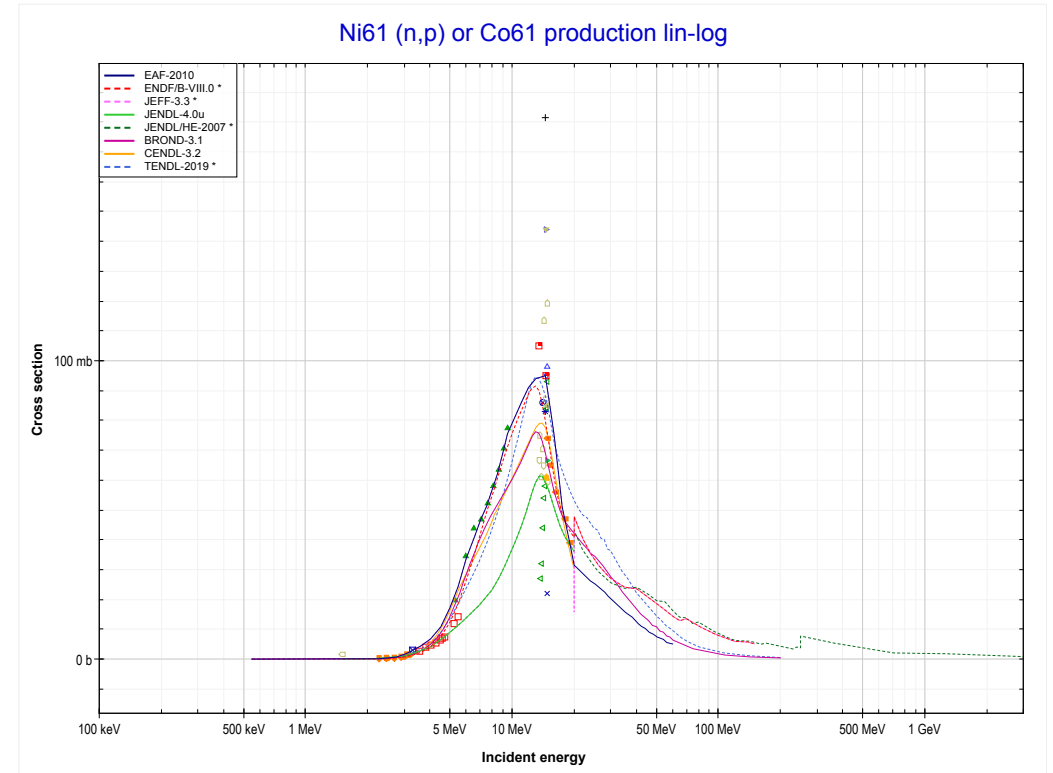
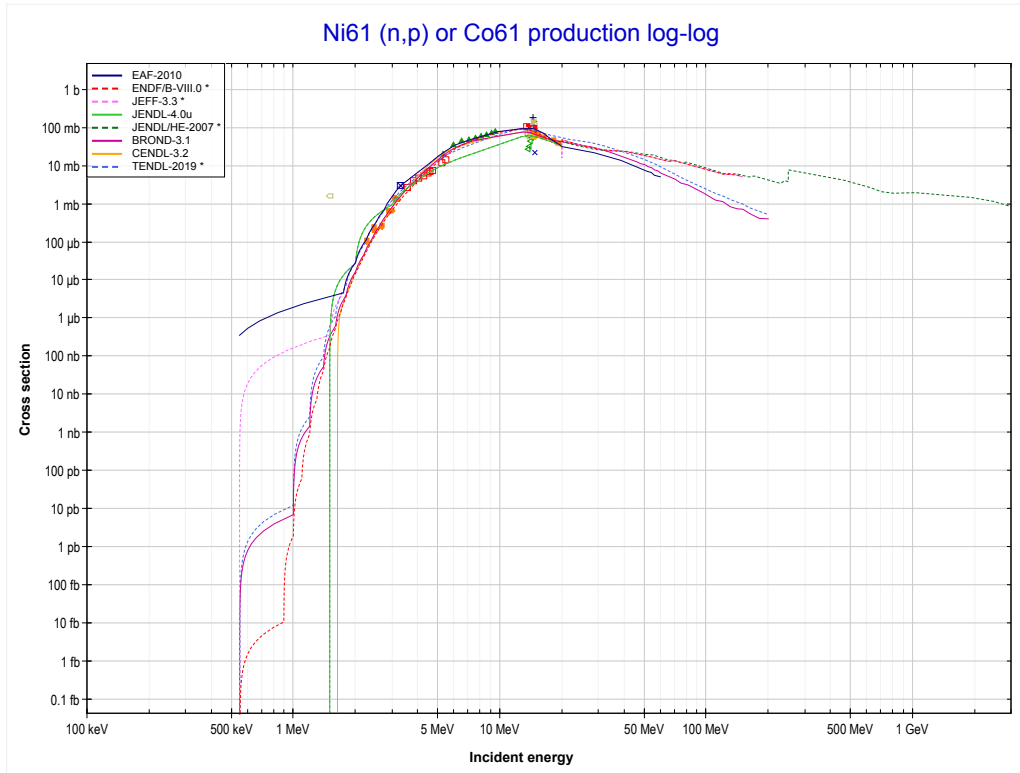
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.09426E-6 b | 0.0149934 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13217E-5 b | 0.0833467 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.57371E-6 b | 0.0151083 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57203E-6 b | 0.0151083 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.65795E-6 b | 0.0189458 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.48772E-6 b | 0.00627168 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.55957E-6 b | 0.022907 b |

| | | |
|-----------------|---|----------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ni62 production) | MT103 (n,p) >> |



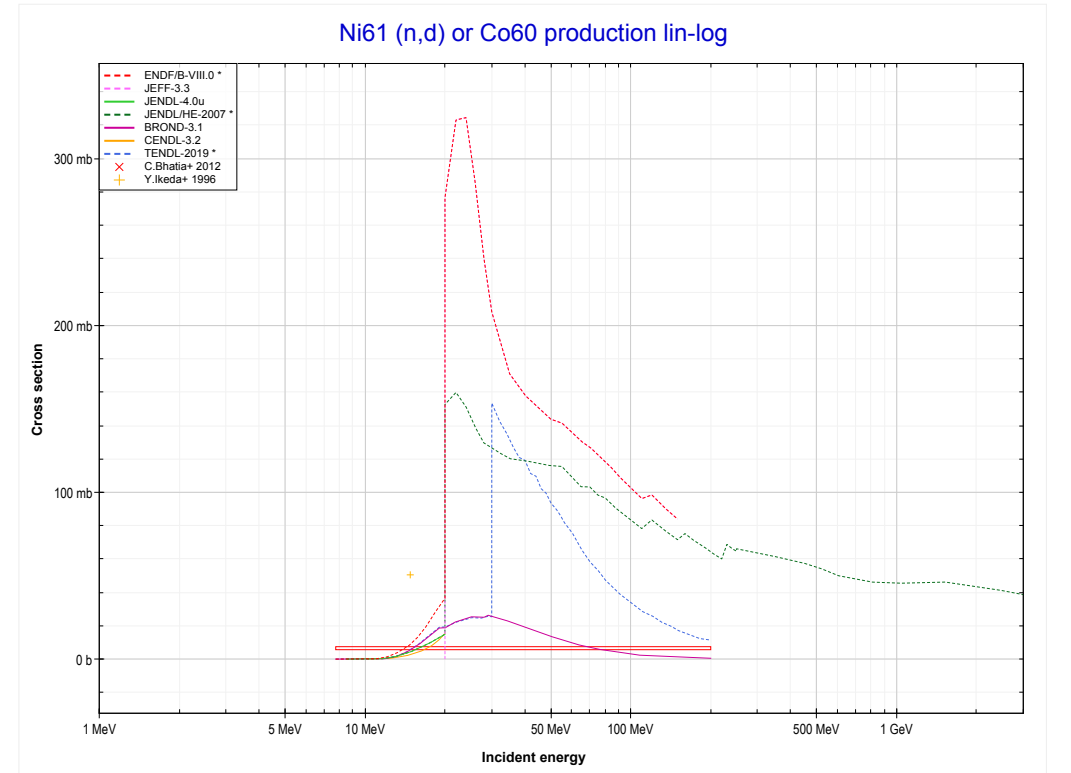
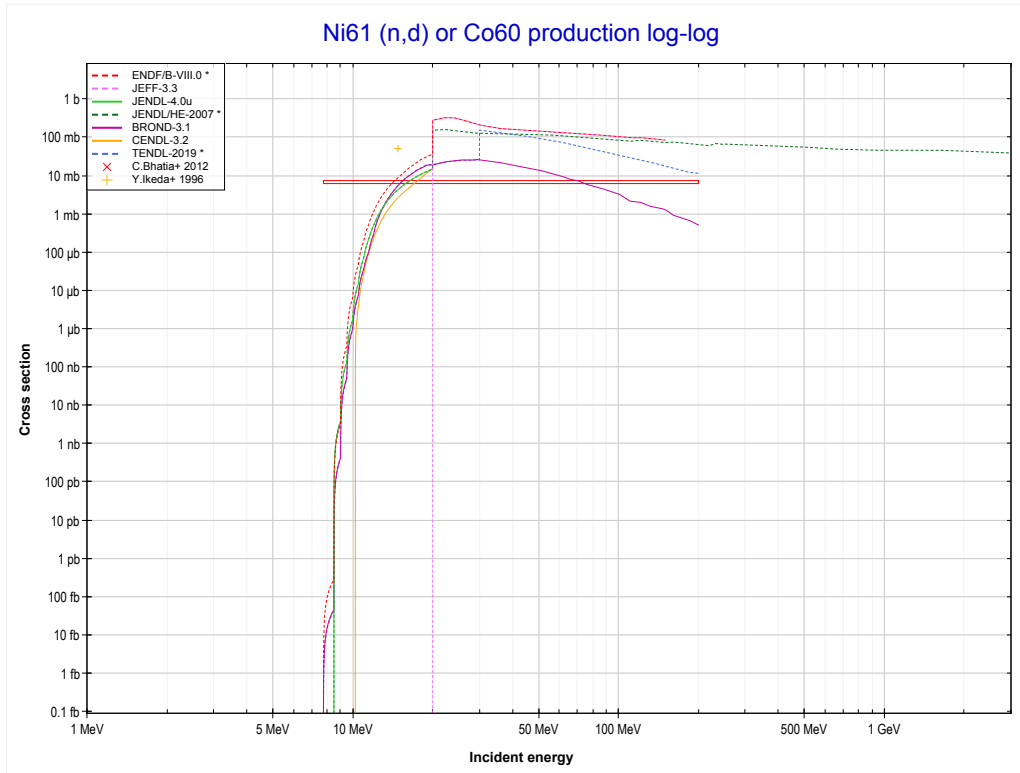
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.50062 b | 2.49875 b | 2.4983 b | 0.99981 | 1.52305 b | 0.00491898 b | 4.22401E-4 b |
| ENDF/B-VIII.0 | 2.5094 b | 2.5094 b | 2.5103 b | 1.00035 | 2.39759 b | 0.0050292 b | 9.89437E-4 b |
| JEFF-3.3 | 2.5094 b | 2.5094 b | 2.5103 b | 1.00035 | 2.3921 b | 0.00508604 b | 4.224E-4 b |
| JENDL-4.0u | 2.5094 b | 2.5094 b | 2.5103 b | 1.00035 | 2.40319 b | 0.00562869 b | 1.83491E-5 b |
| JENDL/HE-2007 | 2.50864 b | 2.50864 b | 2.5088 b | 1.00004 | 2.4004 b | 0.00562701 b | 1.83491E-5 b |
| BROND-3.1 | 3.62334 b | 3.62334 b | 3.6244 b | 1.00028 | 2.79683 b | 0.00636612 b | 0.00139383 b |
| CENDL-3.2 | 2.49819 b | 2.49819 b | 2.4983 b | 1.00005 | 1.52424 b | 0.00523666 b | 0.00327805 b |
| TENDL-2019 | 2.07841 b | 2.07841 b | 2.0785 b | 1.00005 | 1.84924 b | 0.0049816 b | 0.00119055 b |

| | | |
|-------------------------|---|----------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Co61 production) | MT104 (n,d) >> |



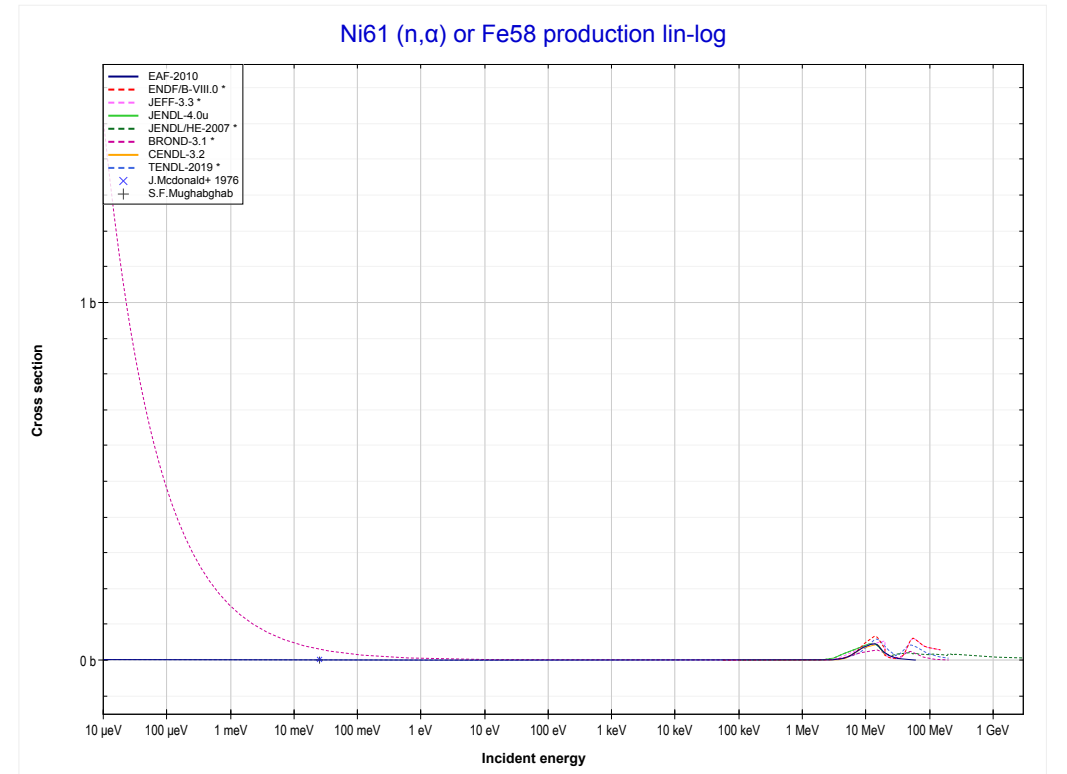
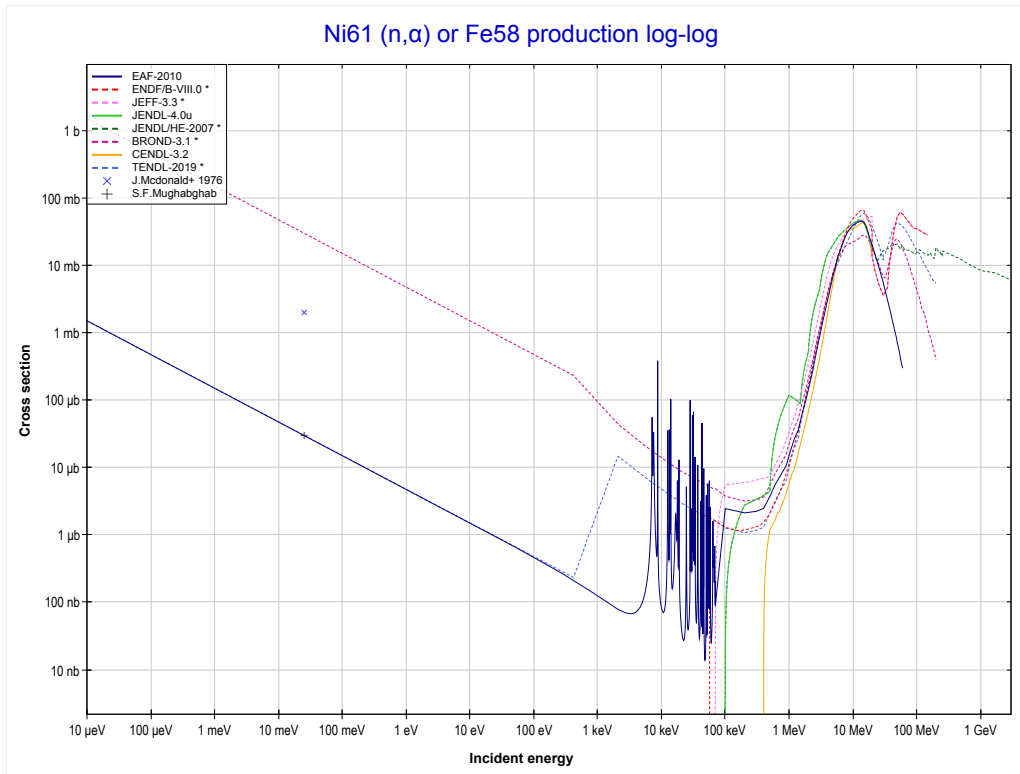
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00329036 b | 0.0946667 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00257394 b | 0.0857527 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00328974 b | 0.0946667 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00163419 b | 0.0613518 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00163419 b | 0.0613518 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00263863 b | 0.0731143 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271839 b | 0.0790503 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00253556 b | 0.0915997 b |

| | | |
|----------------|---|-------------------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Co60 production) | MT107 (n, α) >> |



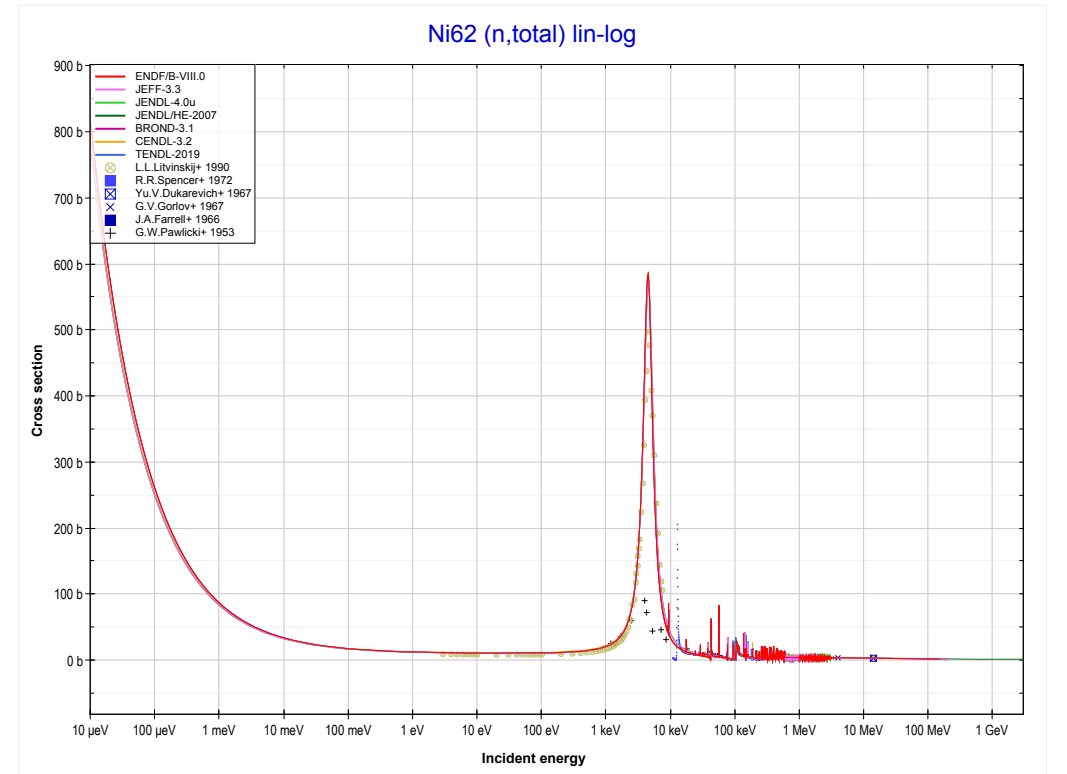
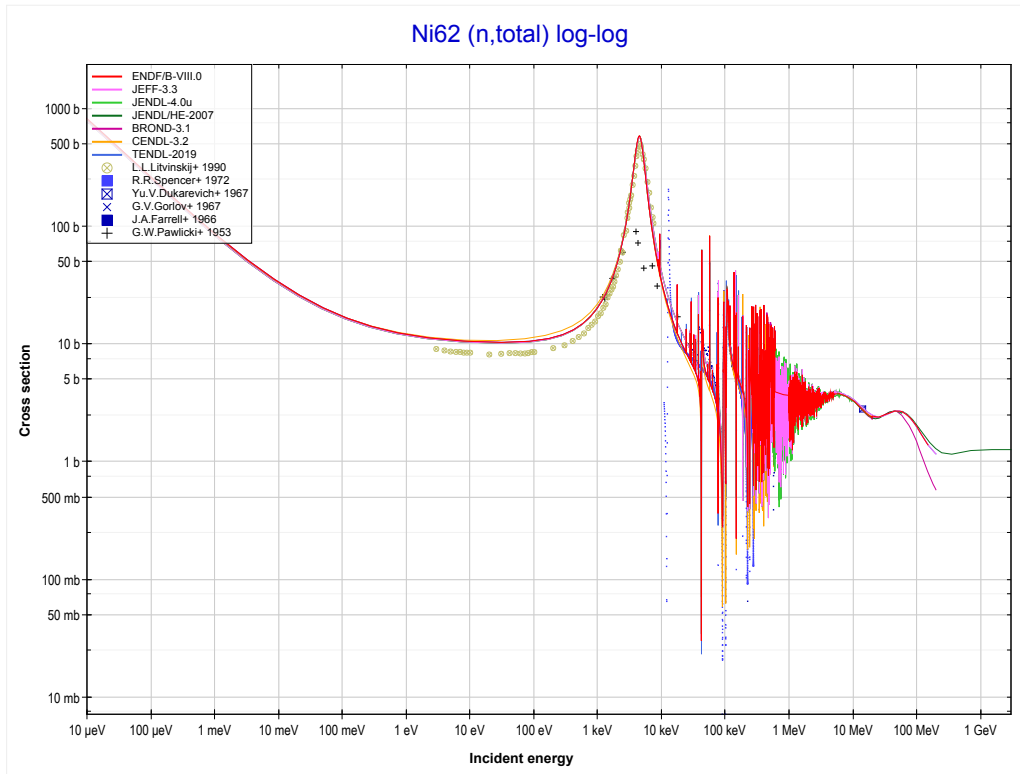
| Reaction | Q-Value |
|-----------------|--------------|
| Ni61(n,d)Co60 | -7636.00 keV |
| Ni61(n,n+p)Co60 | -9860.57 keV |

| | | |
|----------------|---|---------------------------|
| << 28-Ni-60 | 28-Ni-61 | 28-Ni-62 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Fe58 production) | 28-Ni-62 MT1 (n,total) >> |



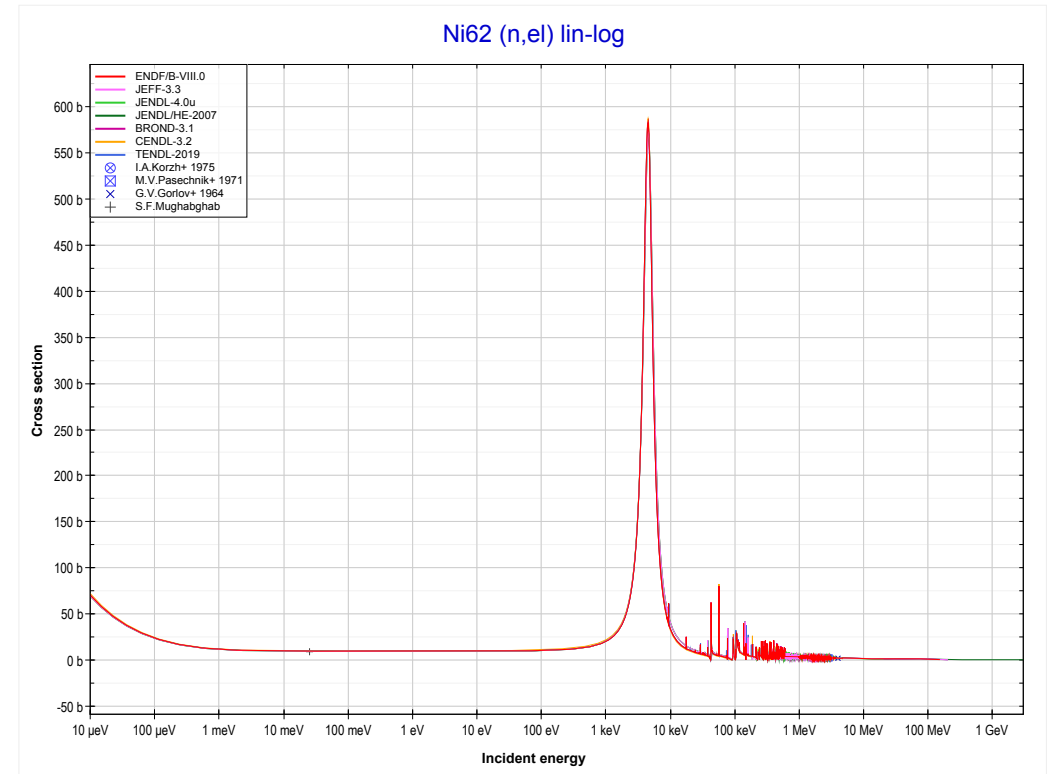
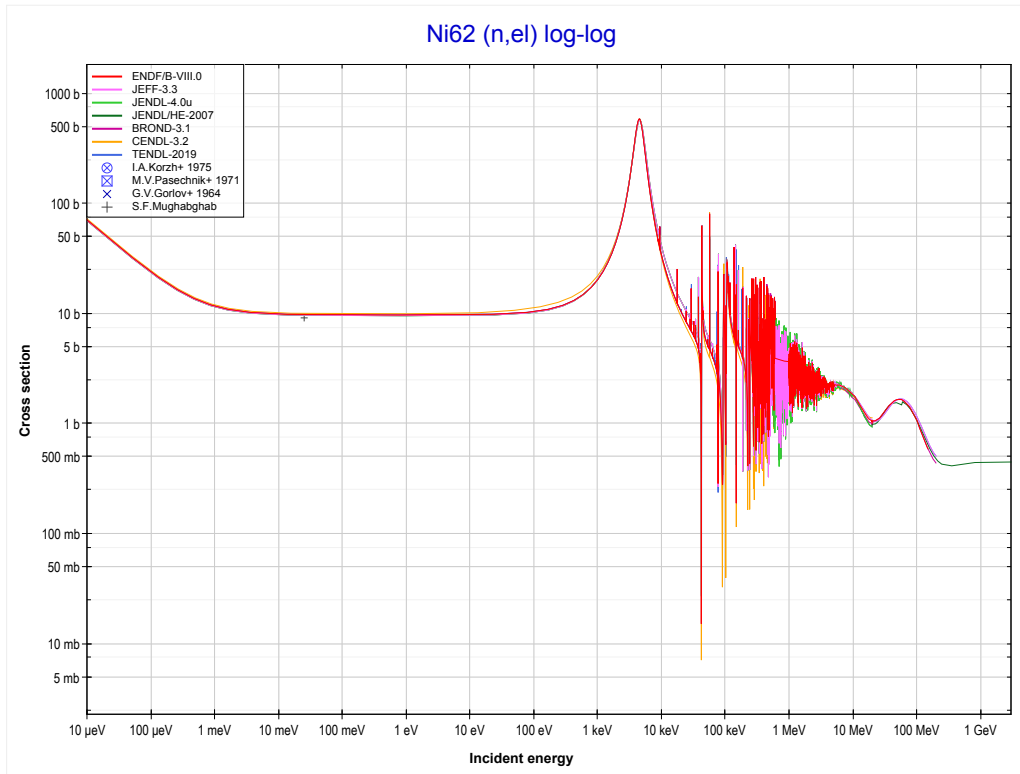
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3E-5 b | 2.99775E-5 b | 2.998E-5 b | 1.00007 | 1.83848E-5 b | 0.00158754 b | 0.0456897 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 8.61103E-7 b | 0.00177632 b | 0.0668983 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 9.24115E-7 b | 0.0026252 b | 0.0473087 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00410942 b | 0.0458756 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00410942 b | 0.0458756 b |
| BROND-3.1 | 0.0300971 b | 0.0300971 b | 0.030107 b | 1.00032 | 0.0133313 b | 0.00151503 b | 0.0279295 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00133898 b | 0.0434964 b |
| TENDL-2019 | 3.00938E-5 b | 3.00938E-5 b | 3.0071E-5 b | 0.99924 | 3.83217E-5 b | 0.00147741 b | 0.058006 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-64 >> |
| << 28-Ni-61 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



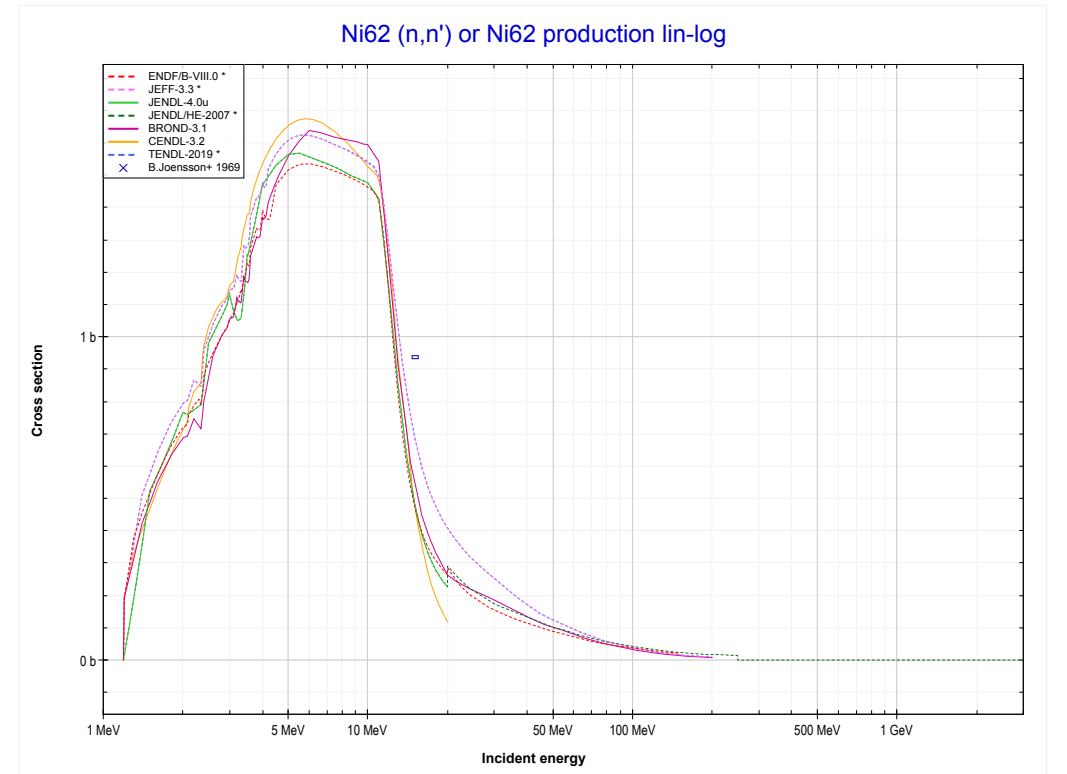
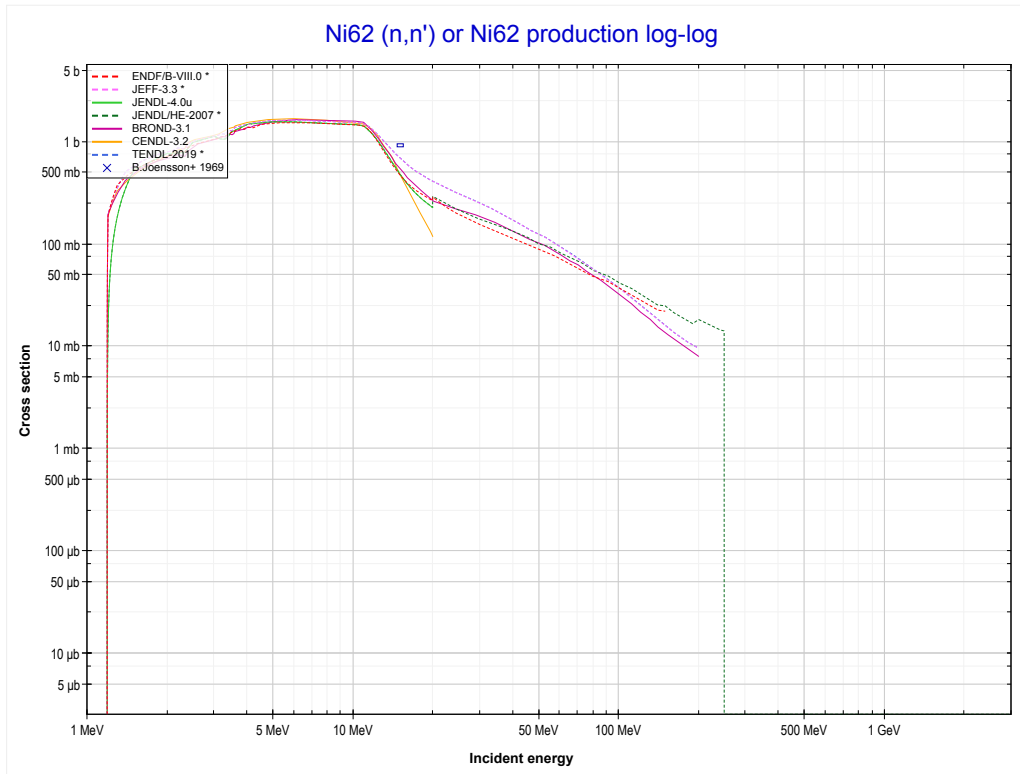
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 24.6274 b | 24.6274 b | 25.881 b | 1.0509 | 456.973 b | 3.80819 b | 2.75544 b |
| JEFF-3.3 | 23.7845 b | 23.7845 b | 25.02 b | 1.05193 | 472.082 b | 3.72327 b | 2.88547 b |
| JENDL-4.0u | 23.7845 b | 23.7845 b | 25.02 b | 1.05193 | 472.082 b | 3.69684 b | 2.76128 b |
| JENDL/HE-2007 | 23.7803 b | 23.7803 b | 25.012 b | 1.05179 | 471.807 b | 3.69679 b | 2.76128 b |
| BROND-3.1 | 24.6274 b | 24.6274 b | 25.881 b | 1.0509 | 456.973 b | 3.74889 b | 2.74634 b |
| CENDL-3.2 | 24.3867 b | 24.3867 b | 25.665 b | 1.05243 | 462.637 b | 3.64161 b | 2.79673 b |
| TENDL-2019 | 24.628 b | 24.628 b | 25.879 b | 1.05079 | 456.934 b | 3.79372 b | 2.88547 b |

| | | |
|------------------|------------------------|---------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-64 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



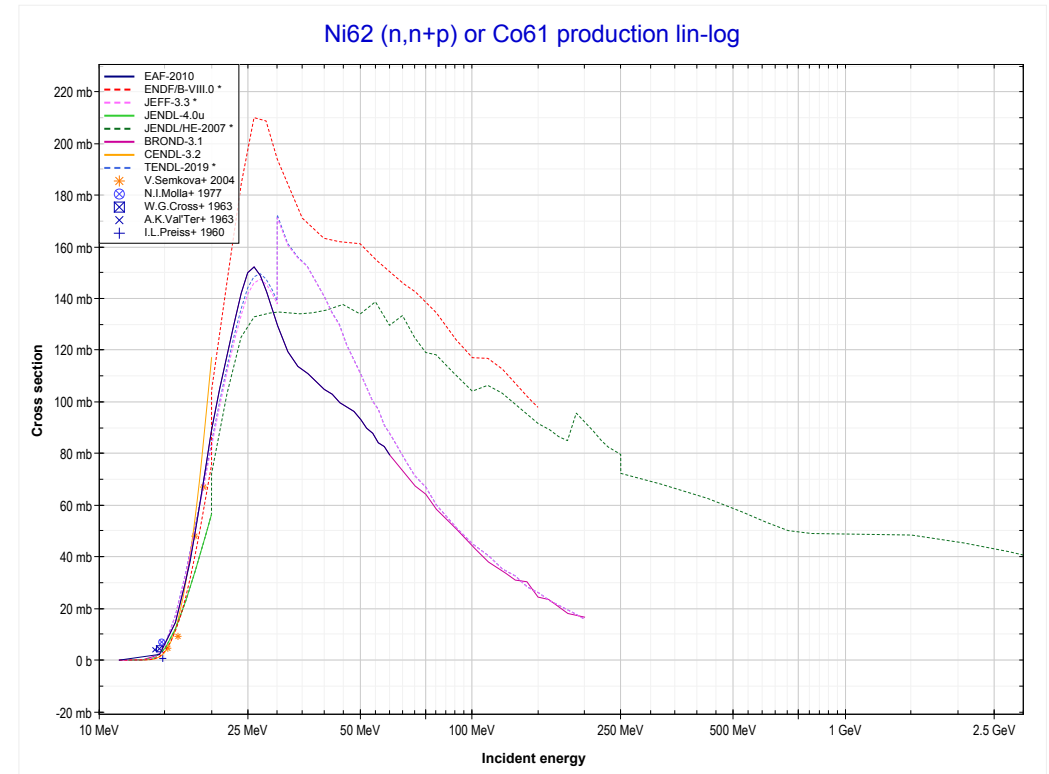
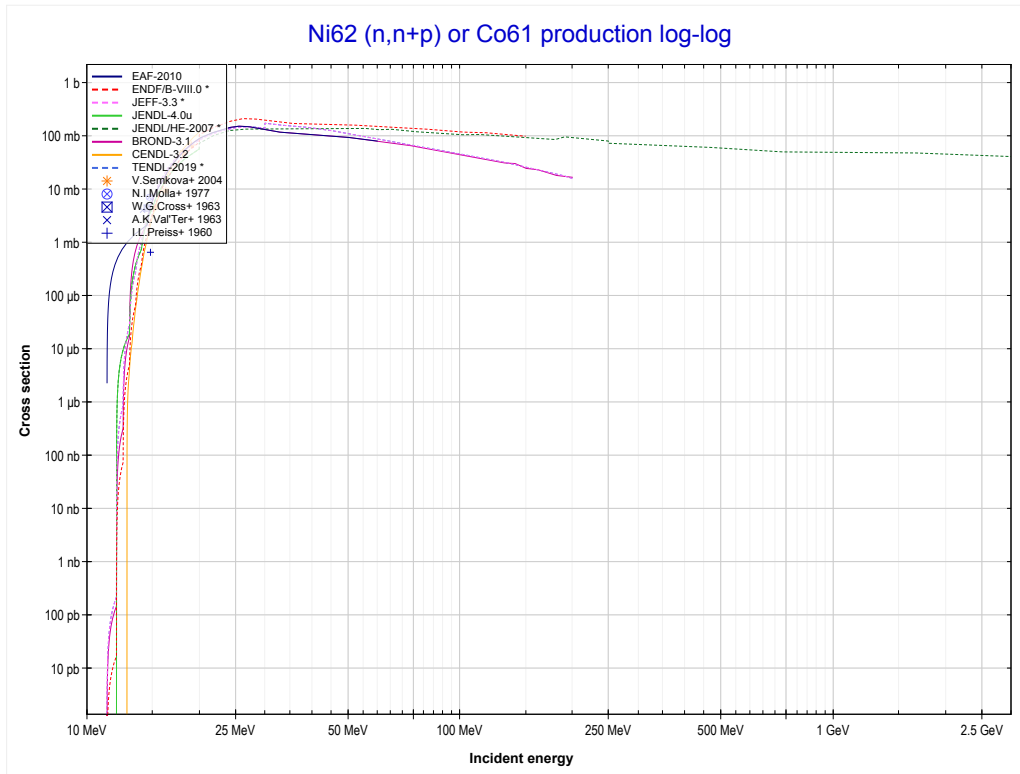
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.72303 b | 9.72303 b | 10.971 b | 1.12837 | 449.698 b | 3.23507 b | 1.34906 b |
| JEFF-3.3 | 9.58169 b | 9.58169 b | 10.812 b | 1.12837 | 465.198 b | 3.10499 b | 1.40369 b |
| JENDL-4.0u | 9.58169 b | 9.58169 b | 10.812 b | 1.12837 | 465.198 b | 3.12217 b | 1.27452 b |
| JENDL/HE-2007 | 9.58169 b | 9.58169 b | 10.812 b | 1.12843 | 464.927 b | 3.1221 b | 1.27452 b |
| BROND-3.1 | 9.72303 b | 9.72303 b | 10.971 b | 1.12837 | 449.698 b | 3.18385 b | 1.2784 b |
| CENDL-3.2 | 9.97244 b | 9.97244 b | 11.254 b | 1.12847 | 456.618 b | 3.02908 b | 1.36176 b |
| TENDL-2019 | 9.73316 b | 9.73316 b | 10.983 b | 1.12843 | 449.673 b | 3.17589 b | 1.40369 b |

| | | |
|--------------------|--|-----------------|
| << 28-Ni-60 | 28-Ni-62 | 29-Cu-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ni62 production) | MT28 (n,n+p) >> |



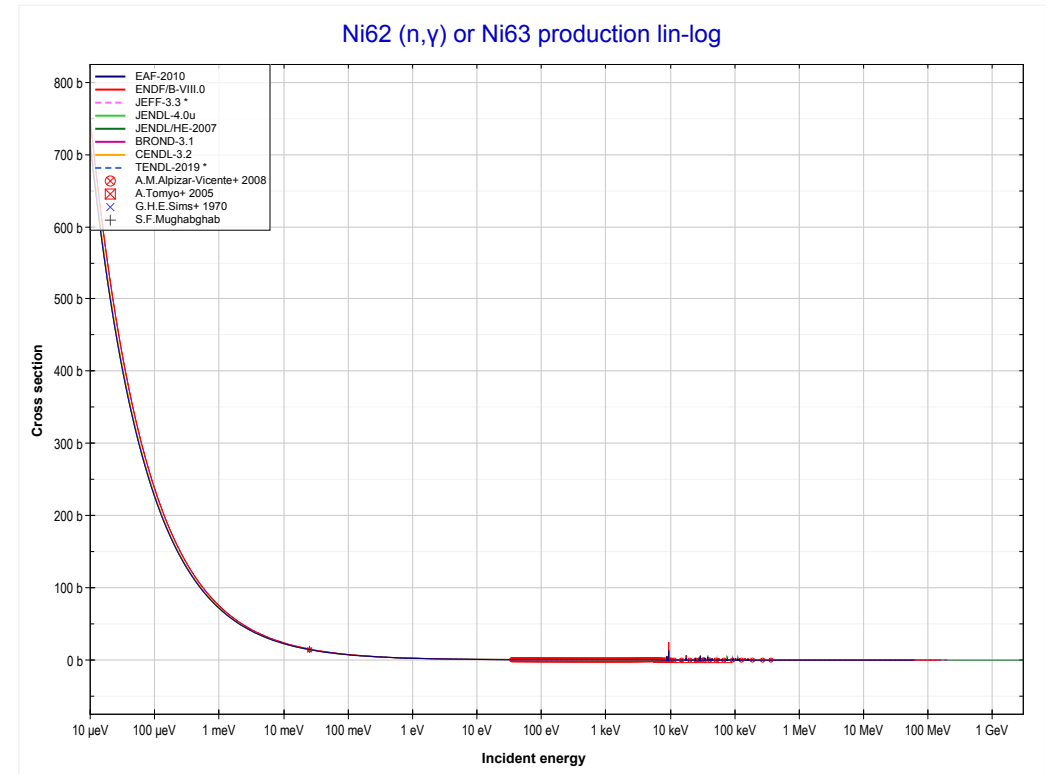
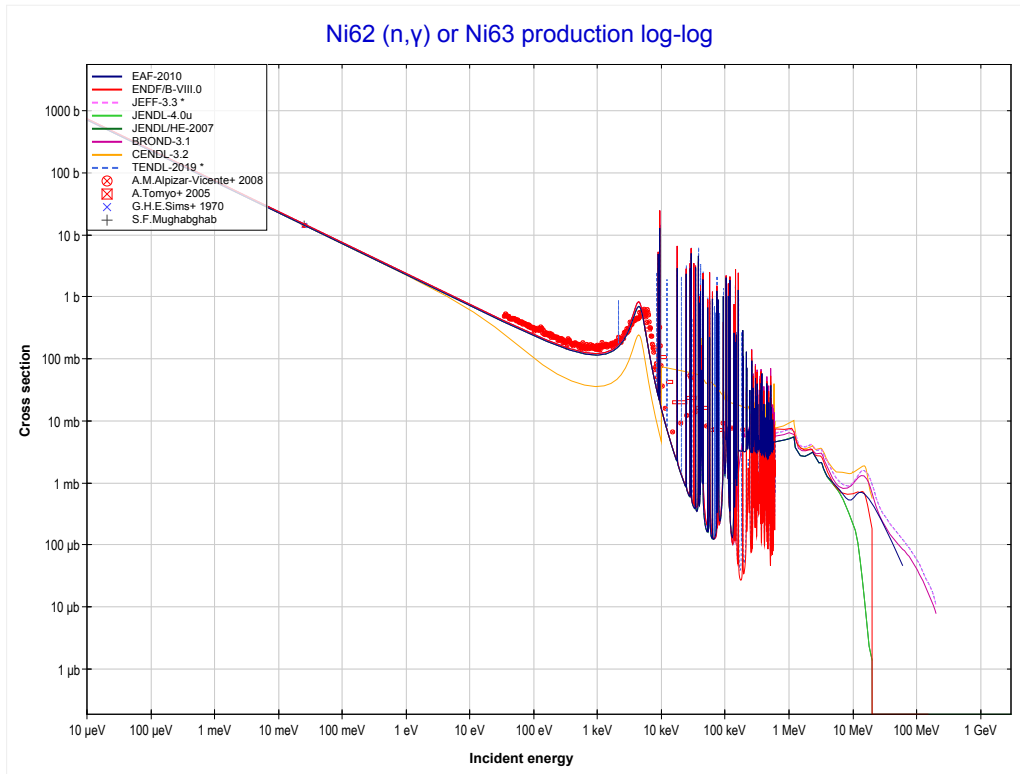
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.568846 b | 0.608635 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.613264 b | 0.831886 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.570698 b | 0.635103 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.570699 b | 0.635103 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.560242 b | 0.711284 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.605631 b | 0.715885 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.613303 b | 0.834694 b |

| | | |
|---------------|--|-------------------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-64 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Co61 production) | MT102 (n, γ) >> |



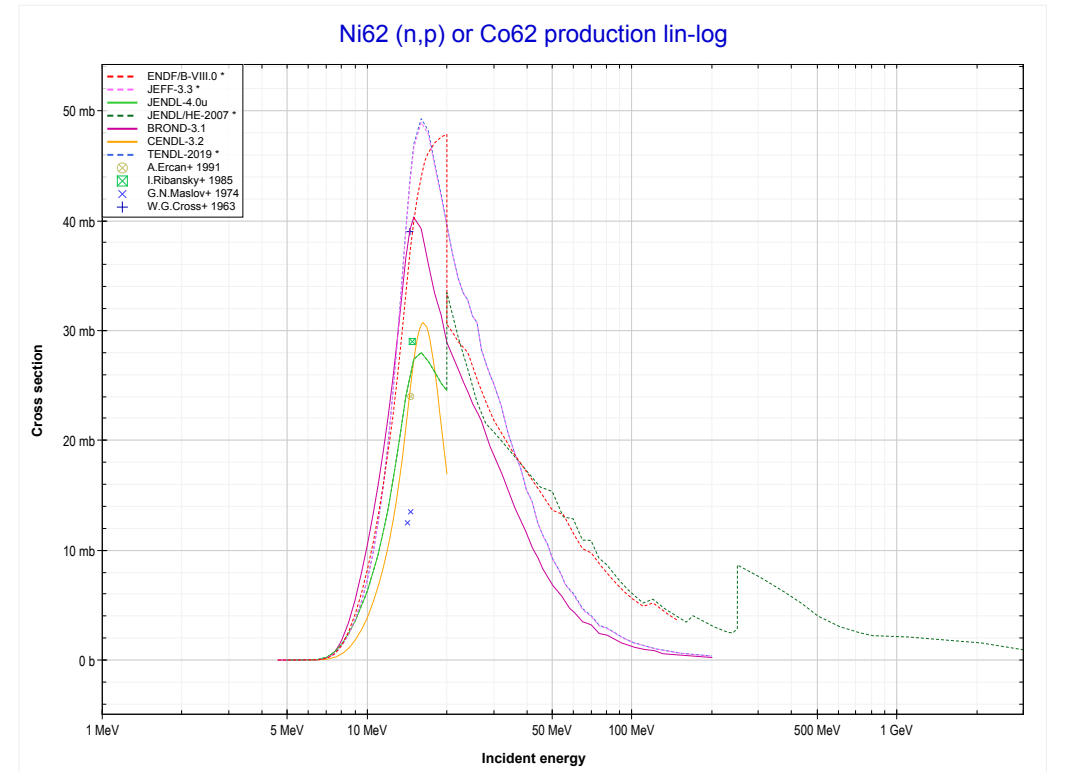
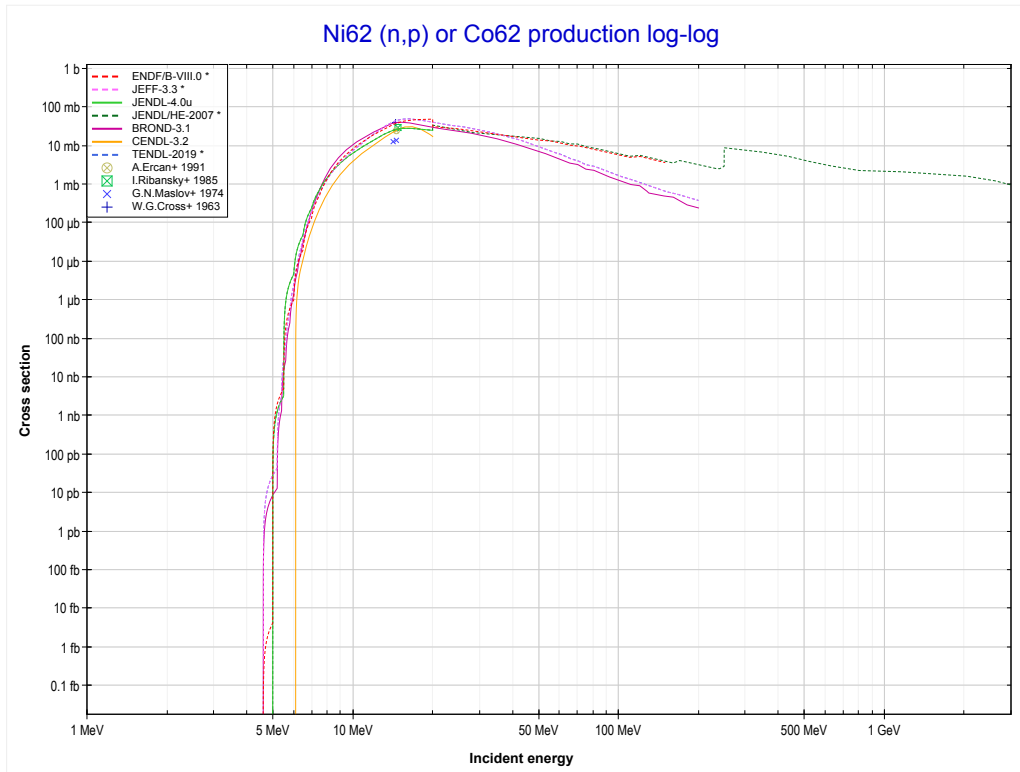
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03869E-6 b | 3.85217E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50581E-6 b | 0.00102294 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.08013E-6 b | 7.36525E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0799E-6 b | 7.36525E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45889E-6 b | 0.0014149 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23136E-6 b | 3.18964E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52779E-6 b | 0.00103317 b |

| | | |
|-----------------|---|----------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-63 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ni63 production) | MT103 (n,p) >> |



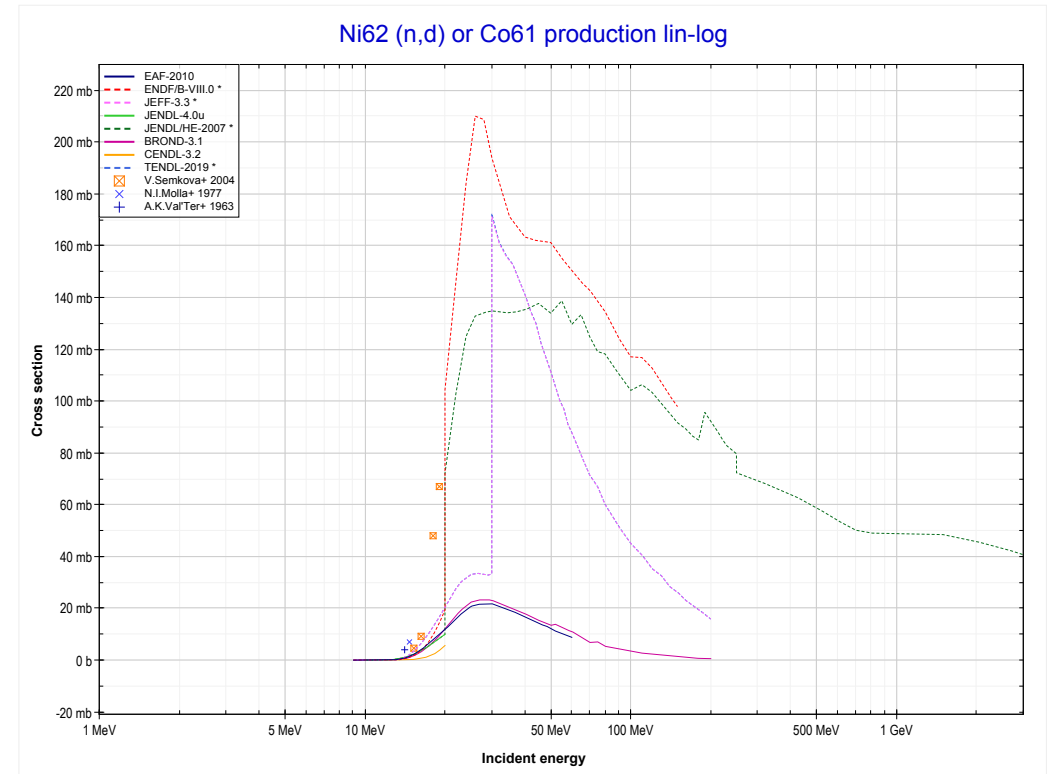
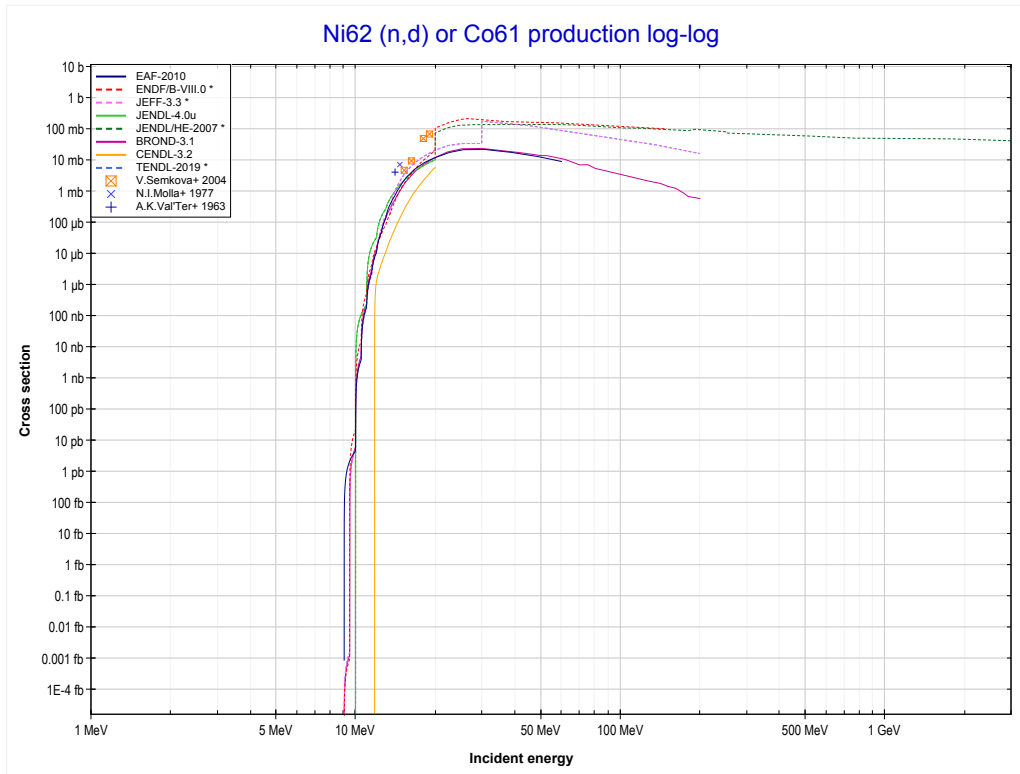
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 14.2124 b | 14.2018 b | 14.199 b | 0.99979 | 6.87405 b | 0.0034881 b | 6.98669E-4 b |
| ENDF/B-VIII.0 | 14.9044 b | 14.9044 b | 14.91 b | 1.00037 | 7.27513 b | 0.00380686 b | 7.26025E-4 b |
| JEFF-3.3 | 14.2028 b | 14.2028 b | 14.208 b | 1.00037 | 6.88436 b | 0.00461624 b | 0.00157315 b |
| JENDL-4.0u | 14.2028 b | 14.2028 b | 14.208 b | 1.00037 | 6.88436 b | 0.0034864 b | 2.89413E-5 b |
| JENDL/HE-2007 | 14.1986 b | 14.1986 b | 14.199 b | 1.00006 | 6.87234 b | 0.00348574 b | 2.89413E-5 b |
| BROND-3.1 | 14.9044 b | 14.9044 b | 14.91 b | 1.00037 | 7.27513 b | 0.00432928 b | 0.00131745 b |
| CENDL-3.2 | 14.4142 b | 14.4142 b | 14.412 b | 0.99982 | 5.96407 b | 0.00654392 b | 0.00184339 b |
| TENDL-2019 | 14.8948 b | 14.8948 b | 14.896 b | 1.00005 | 7.25357 b | 0.00413717 b | 0.0015723 b |

| | | |
|-------------------------|---|----------------|
| << 28-Ni-61 | 28-Ni-62 | 29-Cu-63 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Co62 production) | MT104 (n,d) >> |



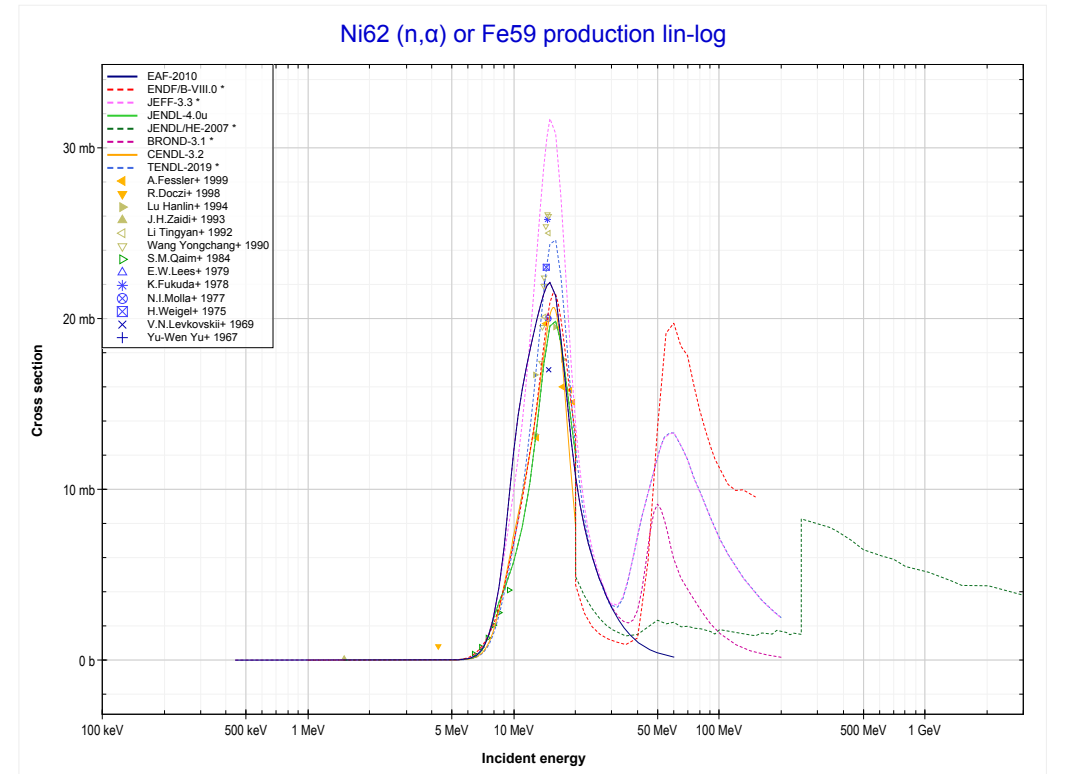
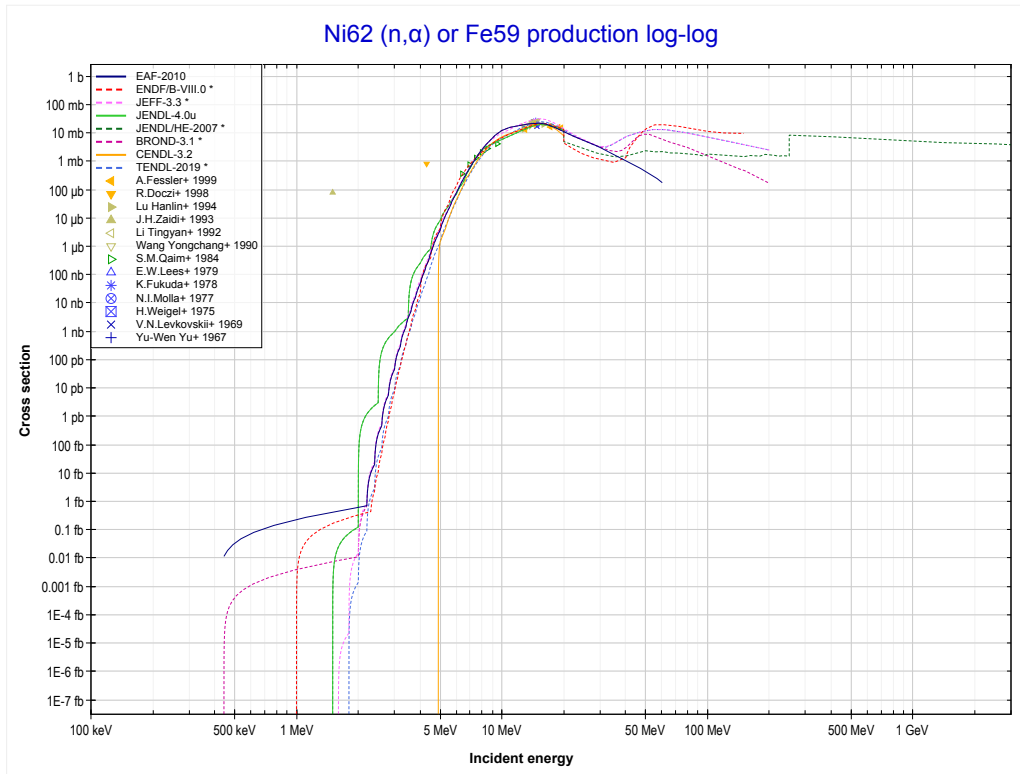
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.7805E-5 b | 0.0333594 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.66306E-5 b | 0.0390127 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.79719E-5 b | 0.0240204 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79702E-5 b | 0.0240204 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.09849E-5 b | 0.0366467 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86796E-5 b | 0.021165 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.68236E-5 b | 0.0392666 b |

| | | |
|----------------|---|-------------------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-64 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Co61 production) | MT107 (n, α) >> |



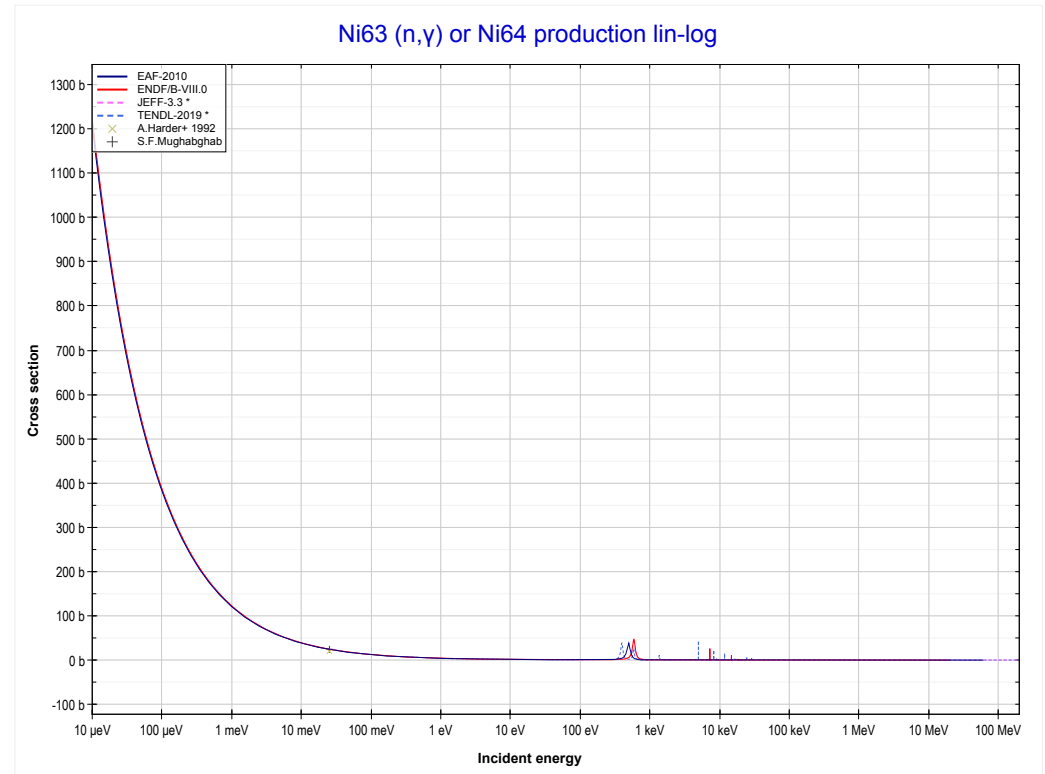
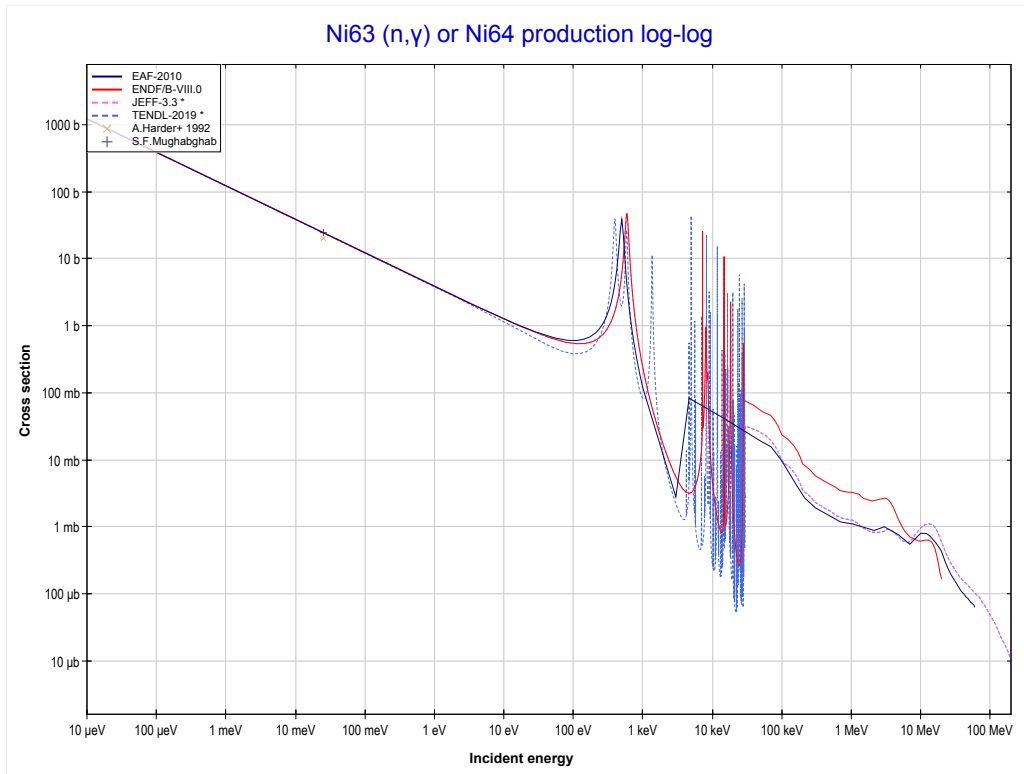
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.5894E-7 b | 6.30716E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28783E-7 b | 3.99291E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.30234E-7 b | 8.67885E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.98345E-7 b | 8.72149E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.98292E-7 b | 8.72149E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.91401E-7 b | 4.67705E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00063E-8 b | 5.43233E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.31111E-7 b | 8.69319E-4 b |

| | | |
|----------------|---|----------------------------------|
| << 28-Ni-61 | 28-Ni-62 | 28-Ni-64 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Fe59 production) | 28-Ni-63 MT102 (n, γ) >> |



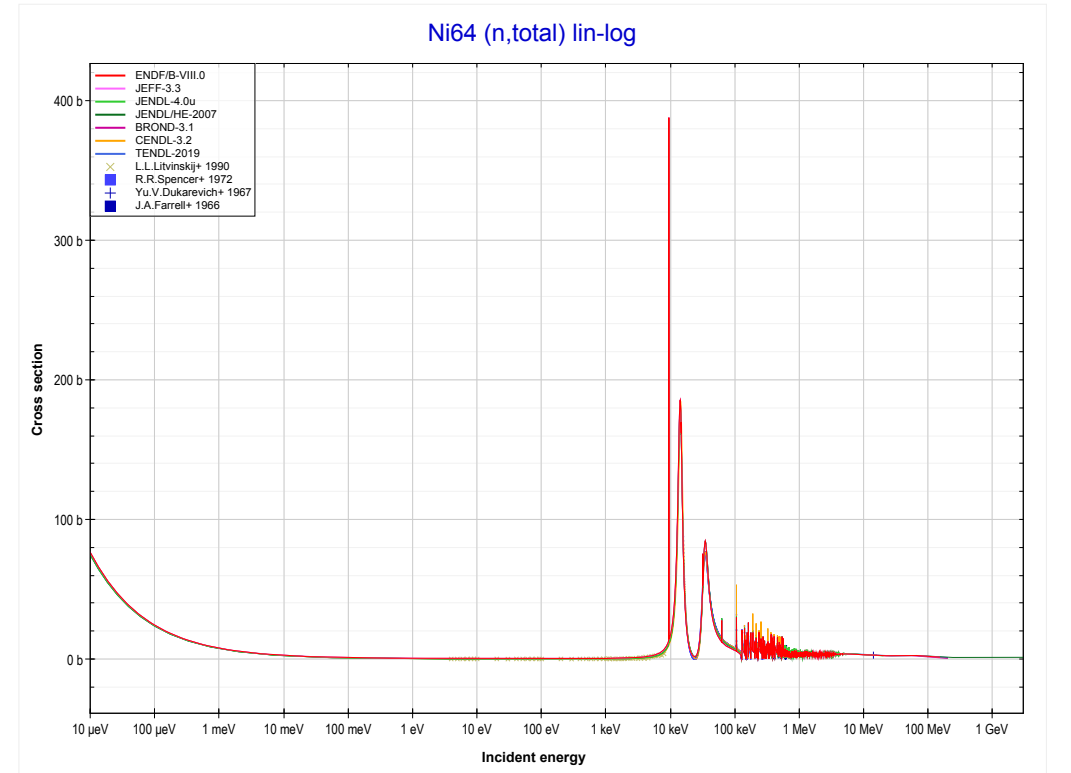
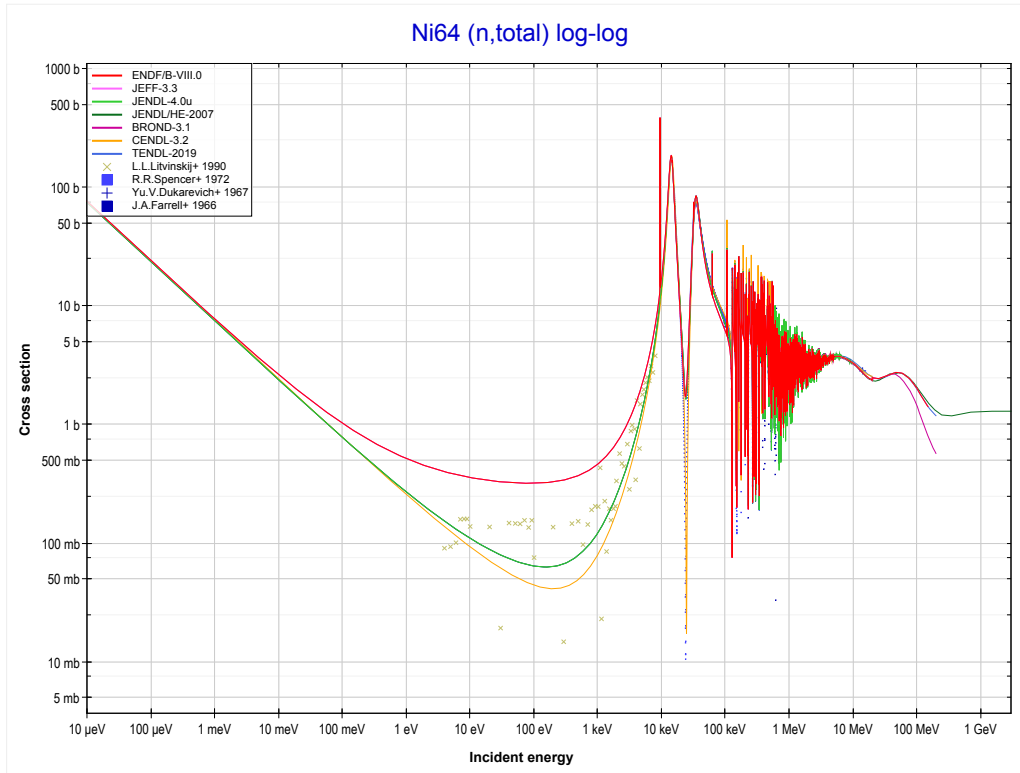
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.17997E-5 b | 0.0214396 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.1245E-5 b | 0.0183964 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.90567E-5 b | 0.028875 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.53799E-5 b | 0.0172981 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.53787E-5 b | 0.0172981 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.17998E-5 b | 0.0214396 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36113E-5 b | 0.0178307 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.16311E-5 b | 0.0215425 b |

| | | |
|----------------------------------|---|---------------------------|
| << 28-Ni-62 | 28-Ni-63 | 28-Ni-64 >> |
| << 28-Ni-62 MT107 (n, α) | MT102 (n,γ) or MT5 (Ni64 production) | 28-Ni-64 MT1 (n,total) >> |



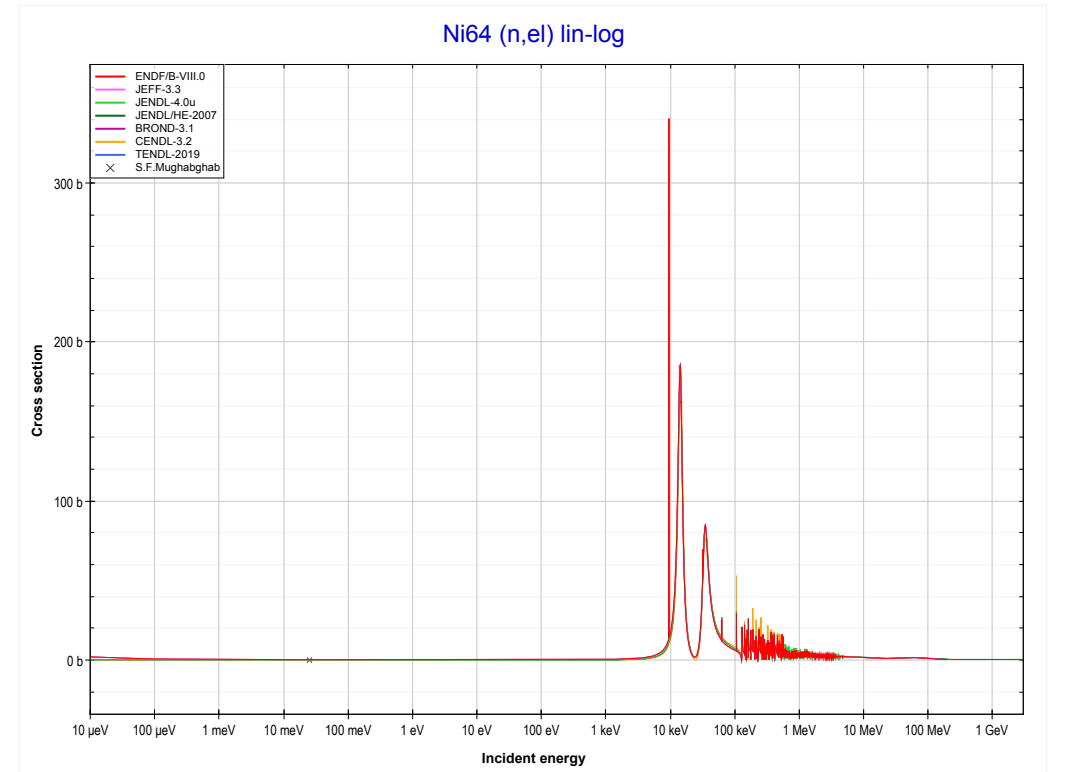
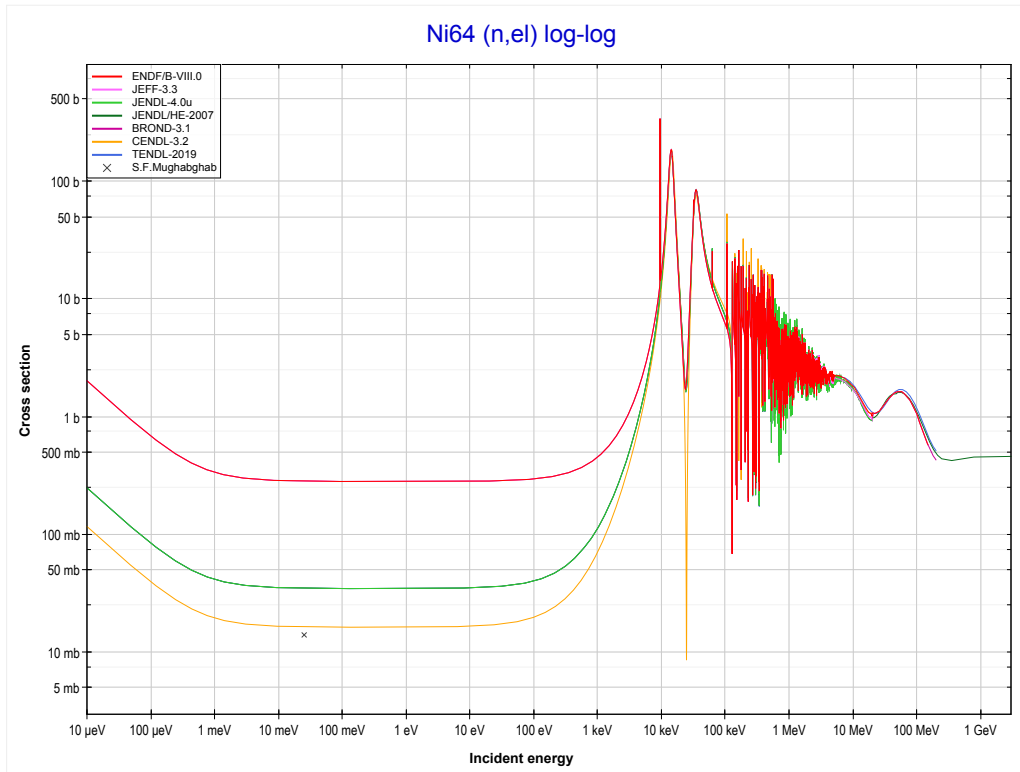
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 24.0026 b | 23.9846 b | 23.986 b | 1.00006 | 18.7776 b | 0.00144024 b | 7.1E-4 b |
| ENDF/B-VIII.0 | 24.3194 b | 24.3194 b | 24.329 b | 1.0004 | 19.3108 b | 0.00386942 b | 6.13863E-4 b |
| JEFF-3.3 | 24.3193 b | 24.3193 b | 24.328 b | 1.00034 | 19.2684 b | 0.00156797 b | 0.00109107 b |
| TENDL-2019 | 24.207 b | 24.207 b | 24.206 b | 0.99996 | 18.2959 b | 0.00160977 b | 0.00109058 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 28-Ni-62 | 28-Ni-64 | 29-Cu-Nat >> |
| << 28-Ni-63 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



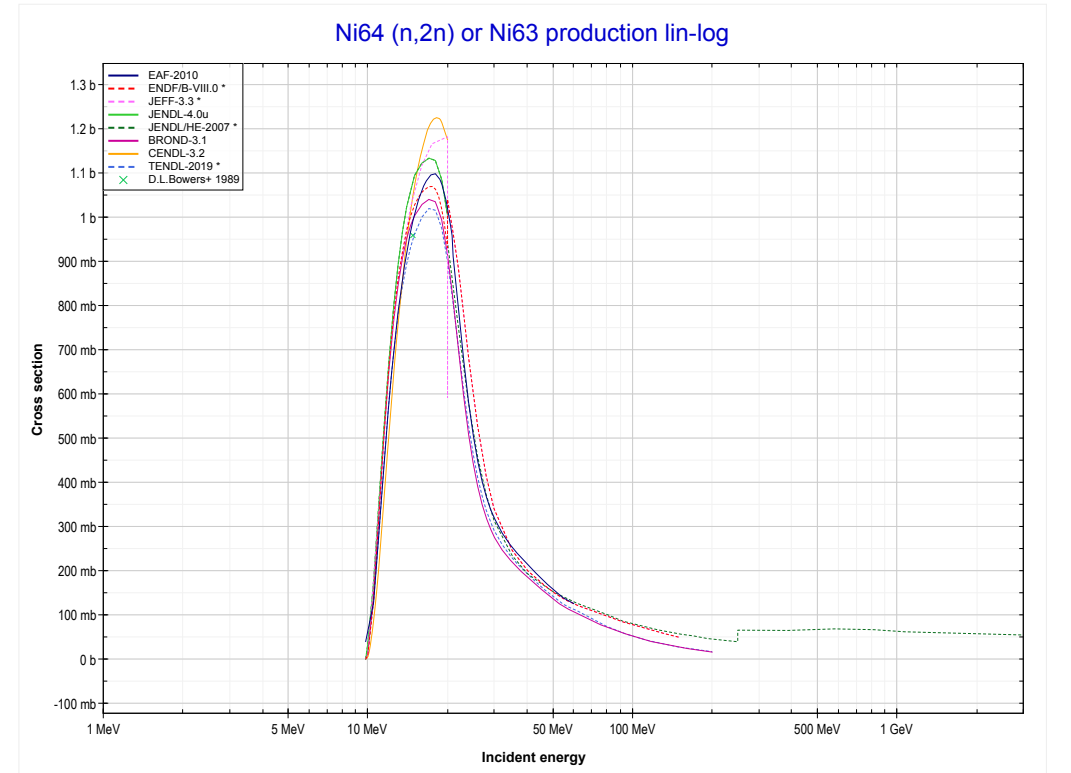
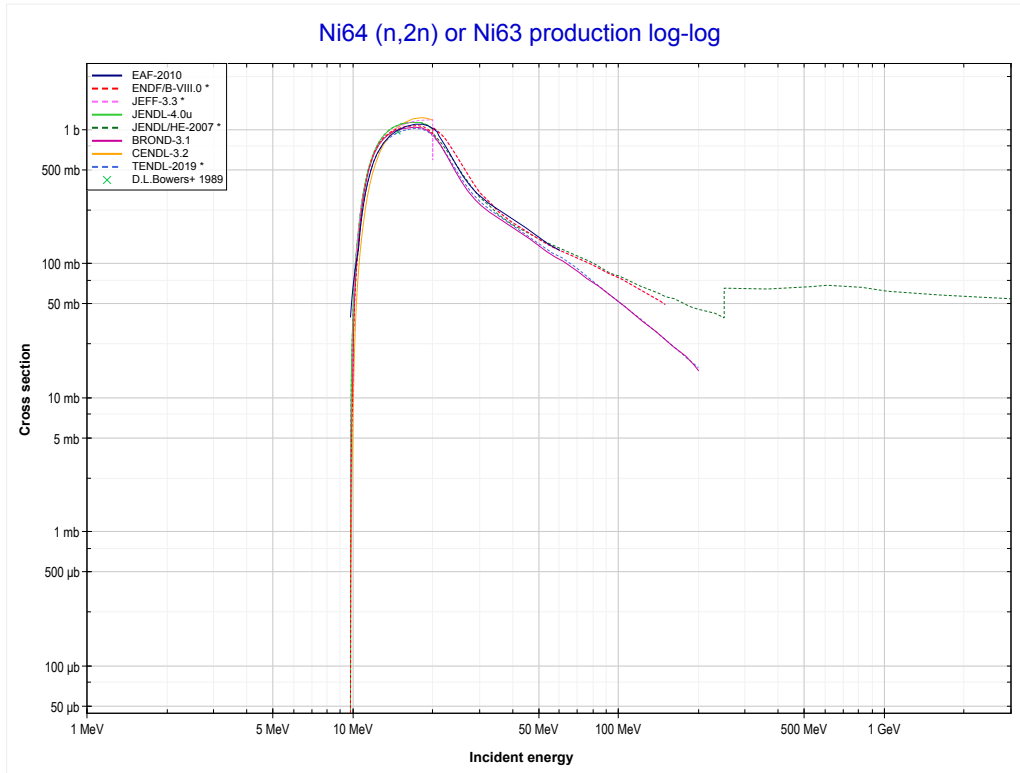
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.76365 b | 1.76365 b | 1.8005 b | 1.02092 | 92.4175 b | 3.88901 b | 2.75544 b |
| JEFF-3.3 | 1.76365 b | 1.76365 b | 1.8005 b | 1.02092 | 92.4175 b | 3.88901 b | 2.75544 b |
| JENDL-4.0u | 1.51531 b | 1.51531 b | 1.5203 b | 1.00331 | 88.8329 b | 3.84092 b | 2.76128 b |
| JENDL/HE-2007 | 1.51488 b | 1.51488 b | 1.5194 b | 1.00301 | 88.8269 b | 3.84093 b | 2.76128 b |
| BROND-3.1 | 1.76365 b | 1.76365 b | 1.8005 b | 1.02092 | 92.4175 b | 3.9209 b | 2.73226 b |
| CENDL-3.2 | 1.53432 b | 1.53432 b | 1.5365 b | 1.00143 | 85.6272 b | 4.07507 b | 2.85882 b |
| TENDL-2019 | 1.51488 b | 1.51488 b | 1.5194 b | 1.00301 | 88.8268 b | 4.14809 b | 2.92156 b |

| | | |
|------------------|------------------------|----------------|
| << 28-Ni-62 | 28-Ni-64 | 29-Cu-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



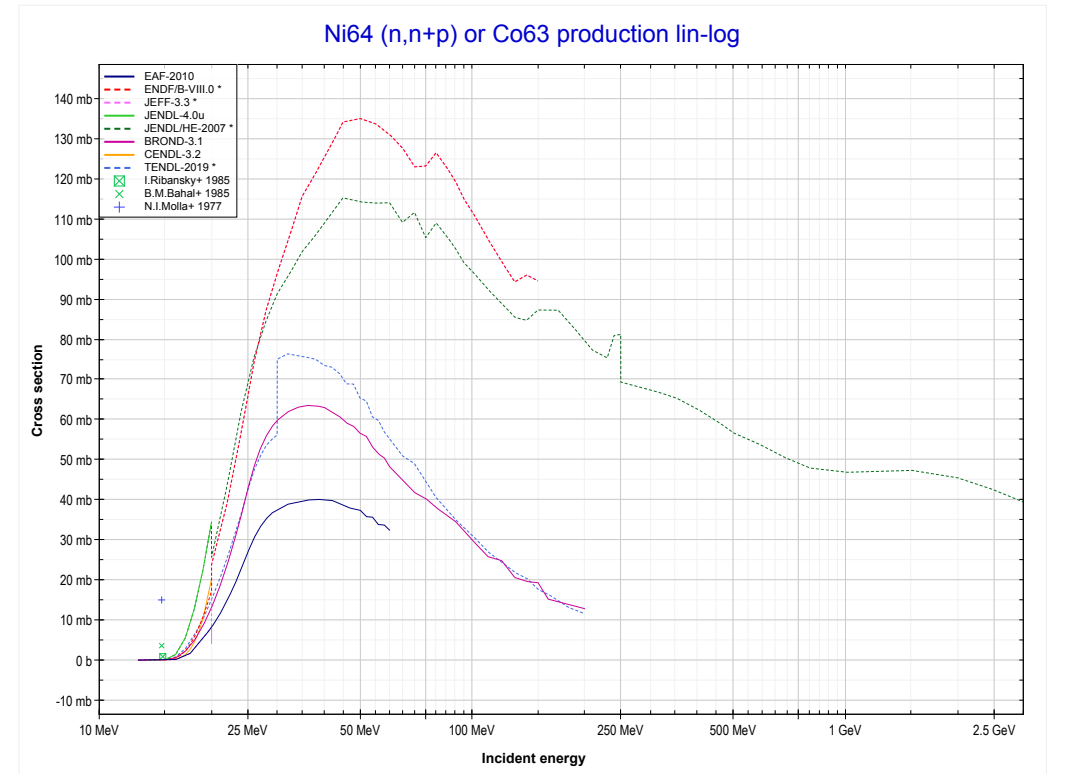
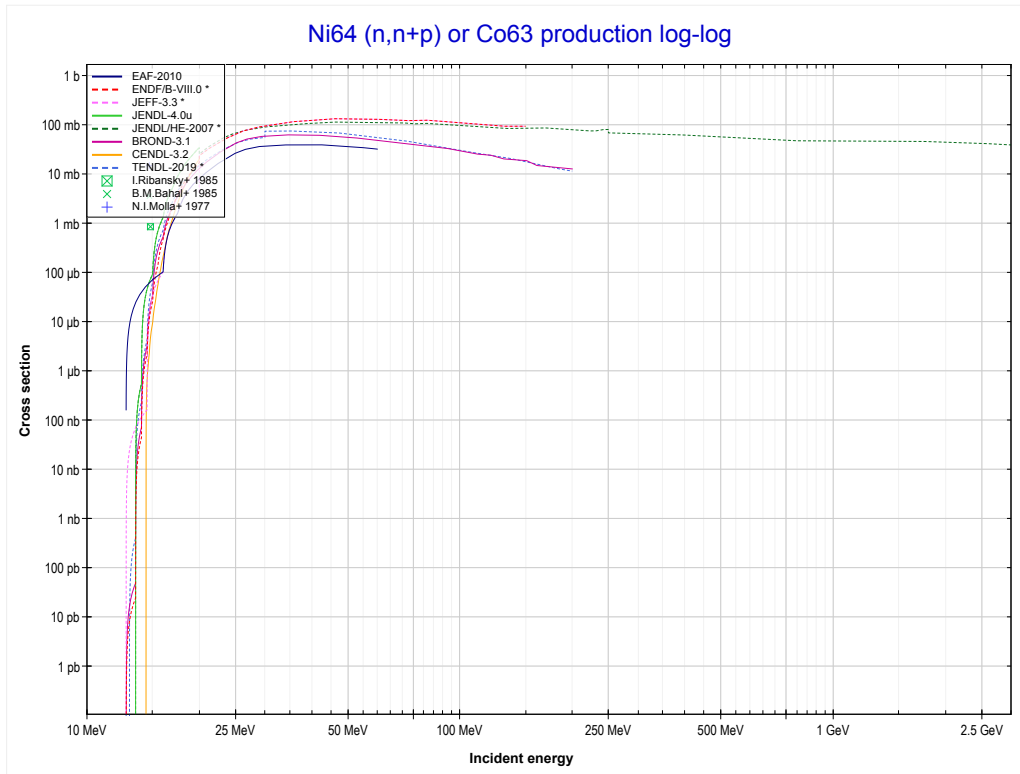
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.283208 b | 0.283208 b | 0.31956 b | 1.12837 | 91.6109 b | 3.37655 b | 1.34195 b |
| JEFF-3.3 | 0.283208 b | 0.283208 b | 0.31956 b | 1.12837 | 91.611 b | 3.38644 b | 1.27113 b |
| JENDL-4.0u | 0.0348622 b | 0.0348622 b | 0.039338 b | 1.12839 | 88.0264 b | 3.29845 b | 1.22644 b |
| JENDL/HE-2007 | 0.0348623 b | 0.0348623 b | 0.039341 b | 1.12846 | 88.0226 b | 3.29845 b | 1.22644 b |
| BROND-3.1 | 0.283208 b | 0.283208 b | 0.31956 b | 1.12837 | 91.6109 b | 3.37052 b | 1.27108 b |
| CENDL-3.2 | 0.0163723 b | 0.0163723 b | 0.018476 b | 1.12847 | 84.8769 b | 3.5598 b | 1.30704 b |
| TENDL-2019 | 0.0348624 b | 0.0348624 b | 0.039341 b | 1.12846 | 88.0225 b | 3.59573 b | 1.43091 b |

| | | |
|--------------------|---|-----------------|
| << 28-Ni-60 | 28-Ni-64 | 29-Cu-Nat >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ni63 production) | MT28 (n,n+p) >> |



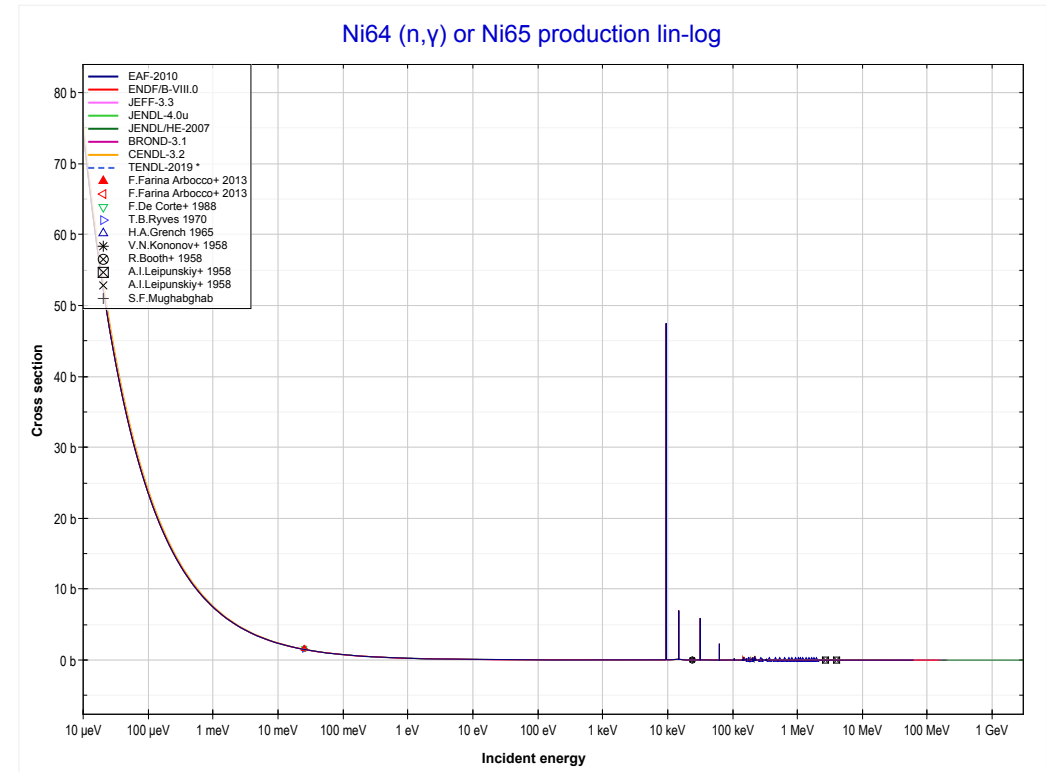
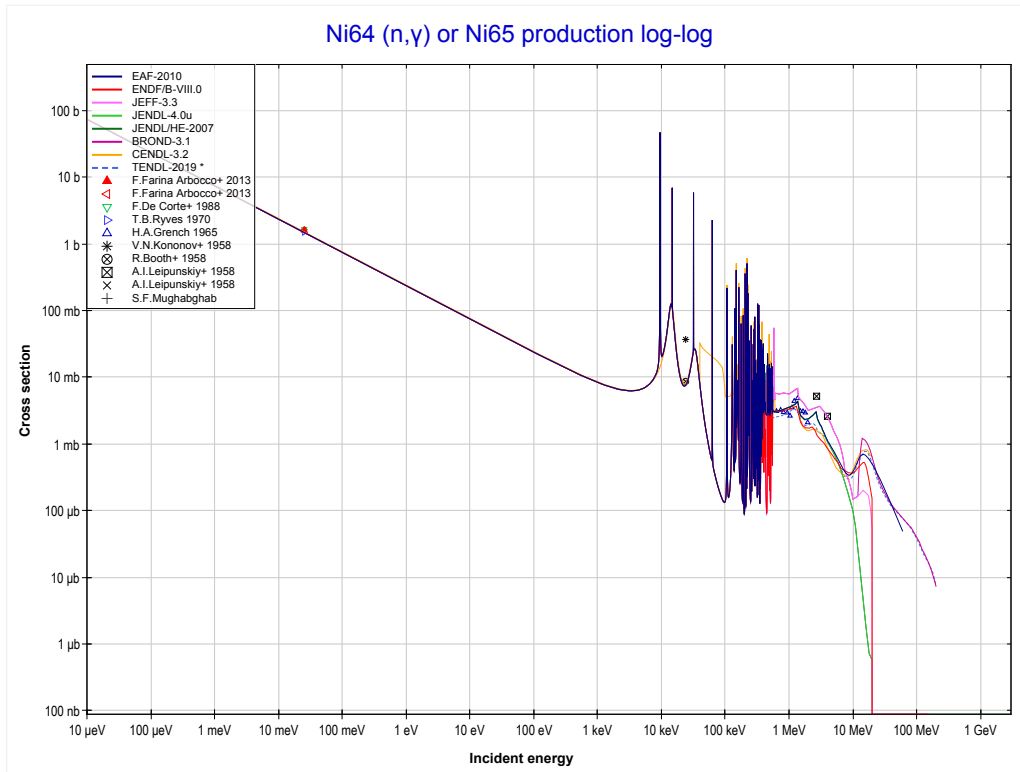
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26243E-4 b | 0.91517 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.883E-4 b | 0.968121 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.2093E-4 b | 0.969383 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.52817E-4 b | 1.0214 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.52732E-4 b | 1.0214 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.85328E-4 b | 0.950002 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.31856E-4 b | 0.944401 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.12917E-4 b | 0.892025 b |

| | | |
|----------------|--|-------------------------|
| << 28-Ni-62 | 28-Ni-64 | 29-Cu-Nat >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Co63 production) | MT102 (n, γ) >> |



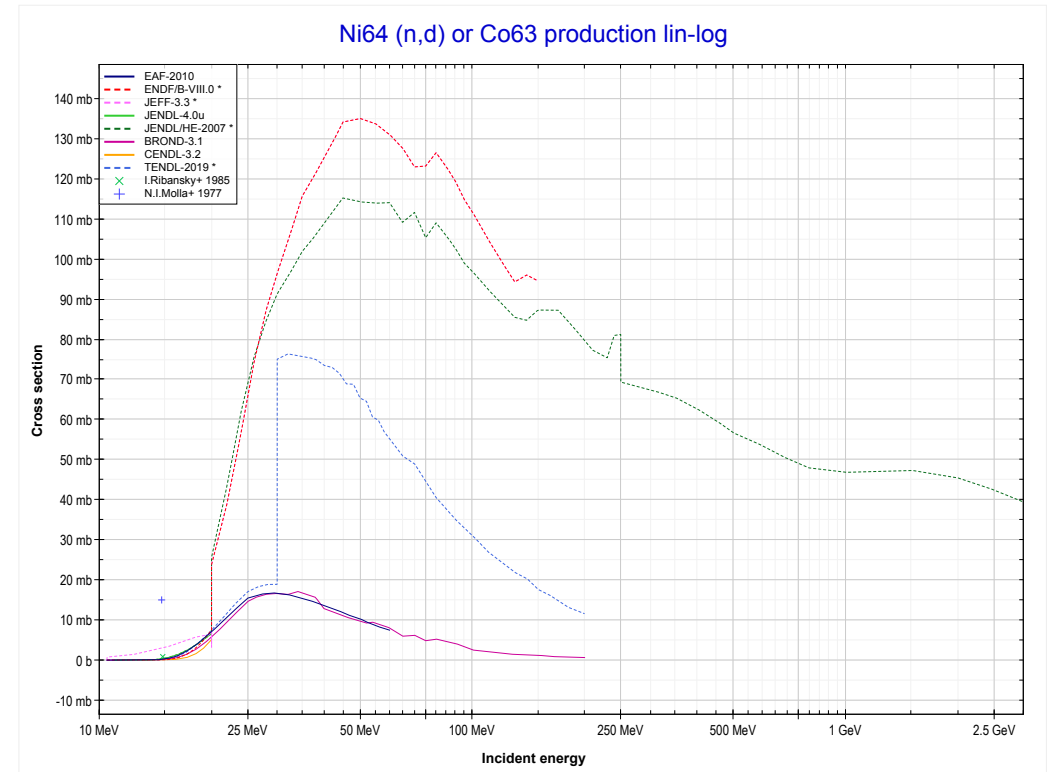
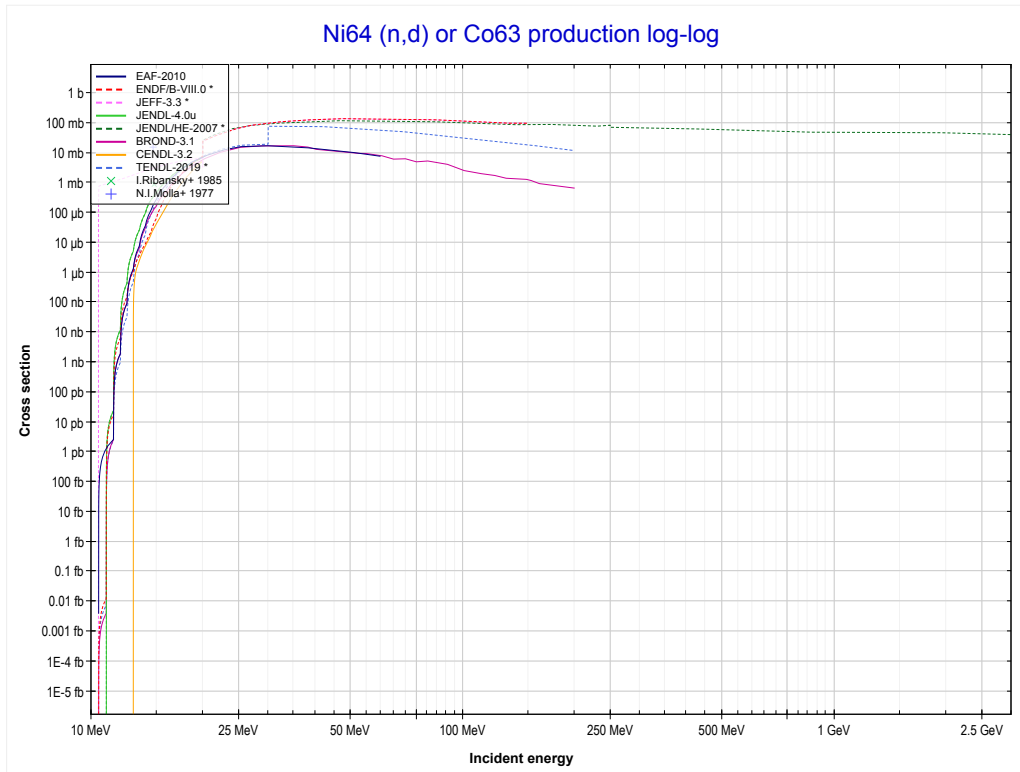
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00556E-7 b | 4.43588E-8 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.84686E-8 b | 1.17157E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.40095E-7 b | 5.51078E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.40079E-7 b | 5.51078E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.2839E-8 b | 7.17691E-8 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.92489E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17239E-7 b | 2.34444E-7 b |

| | | |
|-----------------|---|----------------|
| << 28-Ni-63 | 28-Ni-64 | 28-Ni-65 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ni65 production) | MT104 (n,d) >> |



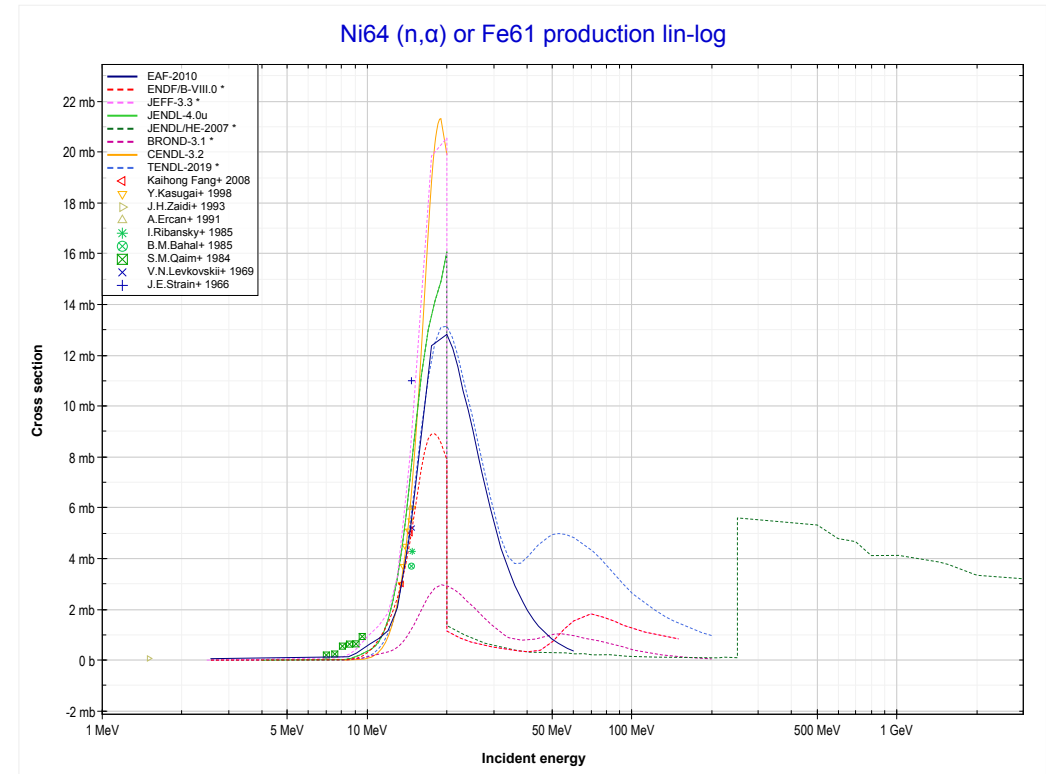
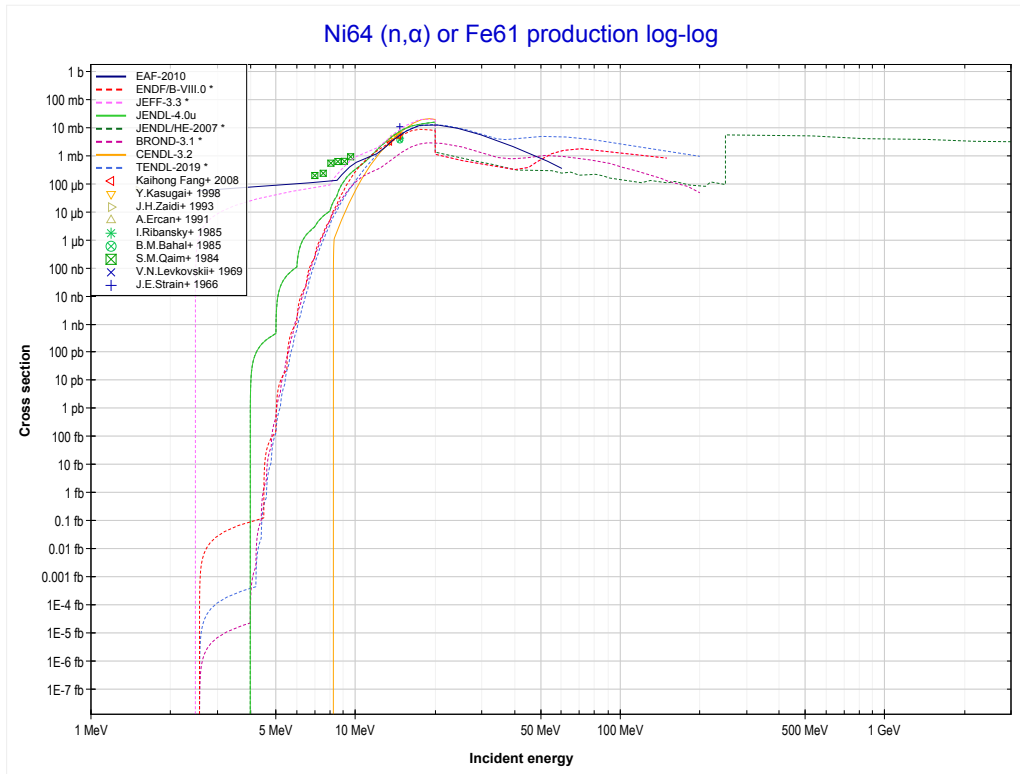
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.48149 b | 1.48038 b | 1.4801 b | 0.99979 | 0.805384 b | 0.00281992 b | 6.95633E-4 b |
| ENDF/B-VIII.0 | 1.48045 b | 1.48045 b | 1.481 b | 1.00036 | 0.806551 b | 0.00224129 b | 5.1345E-4 b |
| JEFF-3.3 | 1.48045 b | 1.48045 b | 1.481 b | 1.00036 | 0.806547 b | 0.00400151 b | 1.936E-4 b |
| JENDL-4.0u | 1.48045 b | 1.48045 b | 1.481 b | 1.00036 | 0.80654 b | 0.0027948 b | 6.31151E-6 b |
| JENDL/HE-2007 | 1.48001 b | 1.48001 b | 1.4801 b | 1.00005 | 0.805233 b | 0.00279415 b | 6.31151E-6 b |
| BROND-3.1 | 1.48045 b | 1.48045 b | 1.481 b | 1.00036 | 0.806551 b | 0.00400177 b | 0.00121554 b |
| CENDL-3.2 | 1.51795 b | 1.51795 b | 1.518 b | 1.00005 | 0.750697 b | 0.00306734 b | 7.93831E-4 b |
| TENDL-2019 | 1.48001 b | 1.48001 b | 1.4801 b | 1.00005 | 0.80526 b | 0.00240812 b | 6.89751E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 28-Ni-62 | 28-Ni-64 | 29-Cu-Nat >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (Co63 production) | MT107 (n, α) >> |



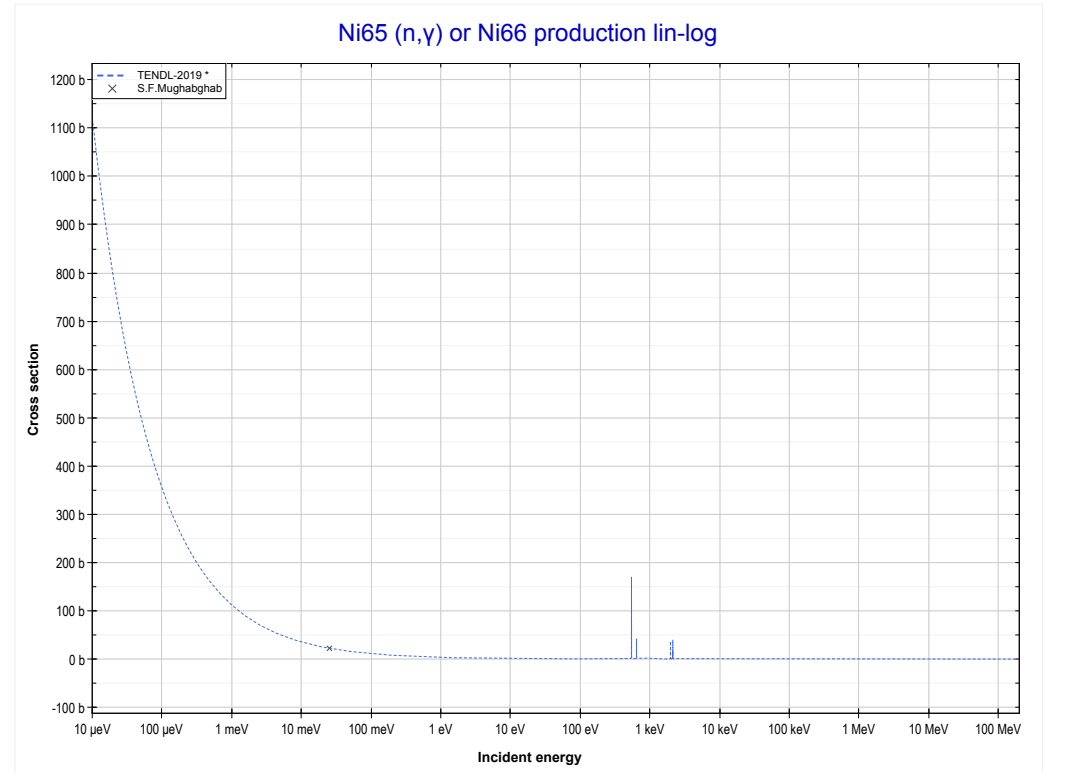
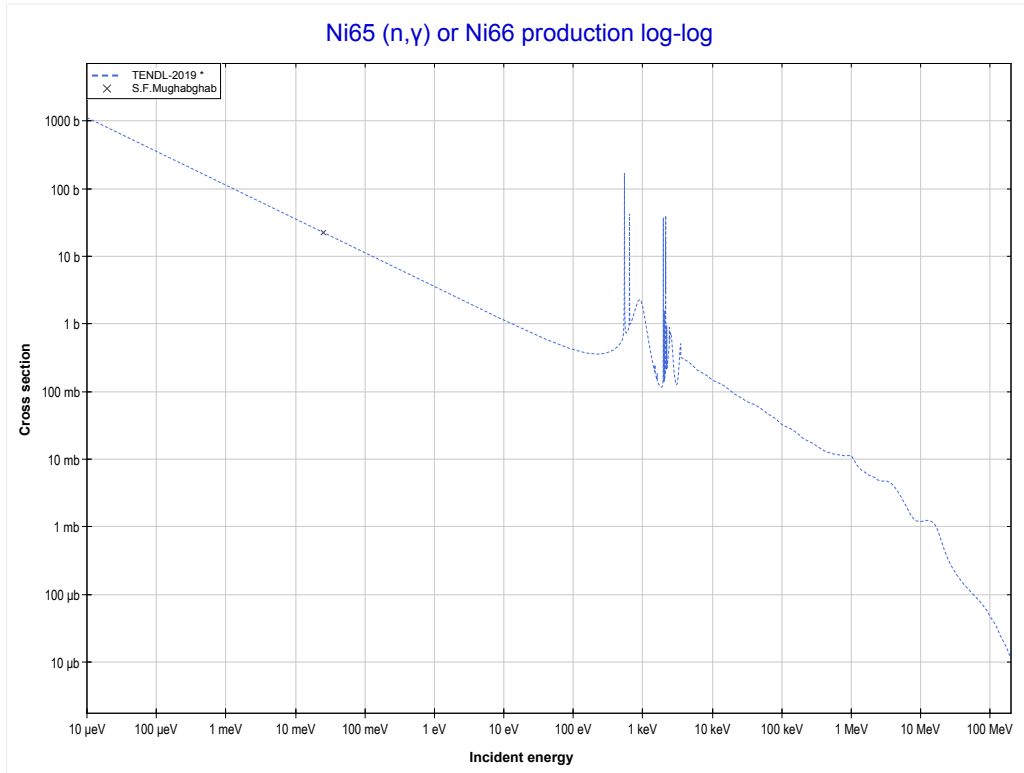
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.8618E-8 b | 3.4197E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.48758E-8 b | 8.42199E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89336E-6 b | 0.0024783 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.09019E-7 b | 8.98283E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09013E-7 b | 8.98283E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.99421E-8 b | 2.877E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87075E-8 b | 7.32201E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.92721E-8 b | 1.72424E-5 b |

| | | |
|----------------|---|----------------------------------|
| << 28-Ni-62 | 28-Ni-64 | 29-Cu-63 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Fe61 production) | 28-Ni-65 MT102 (n, γ) >> |



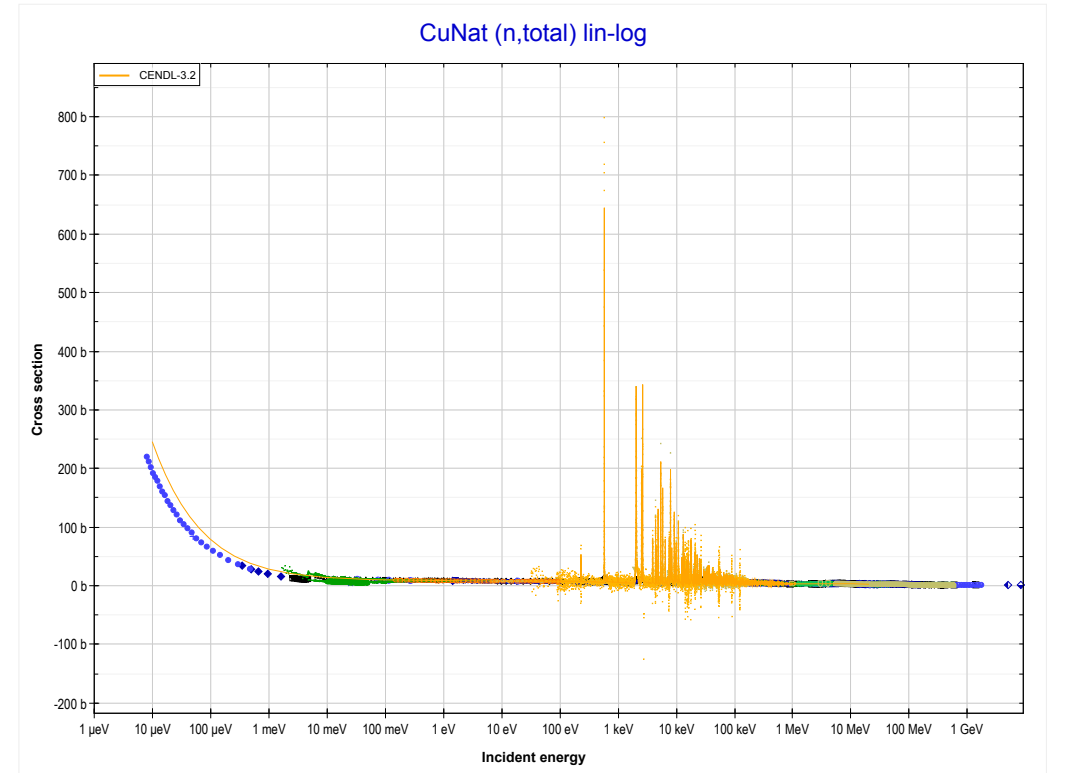
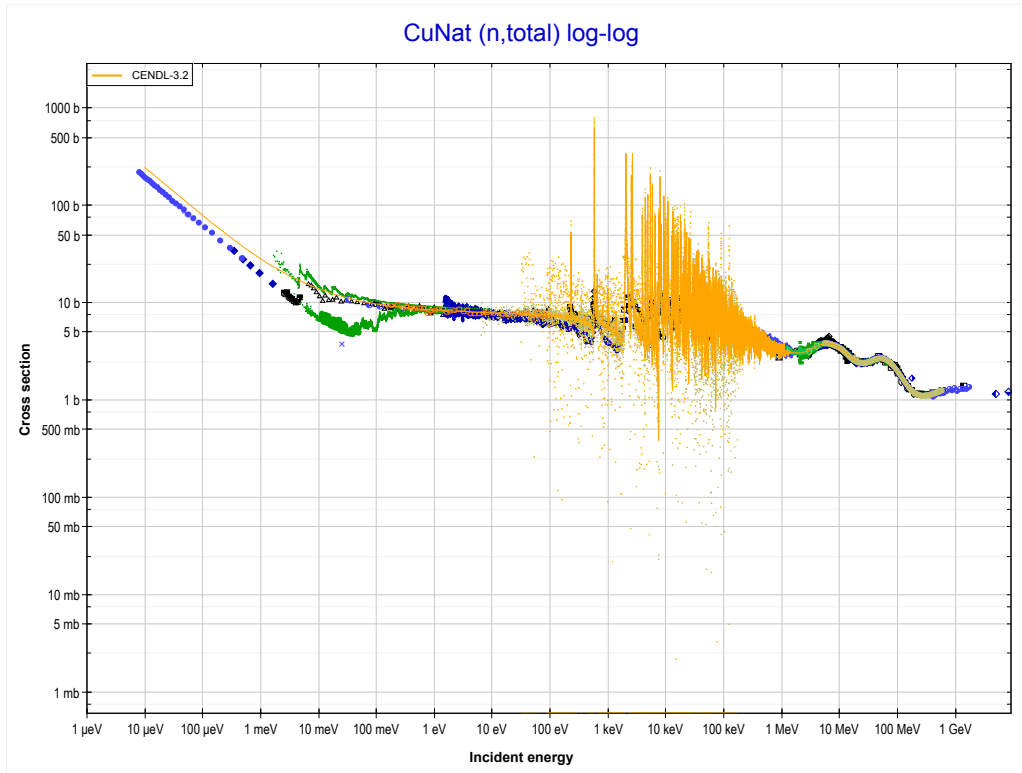
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27277E-5 b | 0.00400804 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.90129E-6 b | 0.00378457 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3296E-5 b | 0.00642467 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.78399E-6 b | 0.00560051 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.78369E-6 b | 0.00560051 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.58118E-7 b | 8.60448E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27473E-6 b | 0.00441024 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31562E-6 b | 0.00401936 b |

| | | |
|----------------------------------|---|----------------------------|
| << 28-Ni-64 | 28-Ni-65 | 29-Cu-Nat >> |
| << 28-Ni-64 MT107 (n, α) | MT102 (n,γ) or MT5 (Ni66 production) | 29-Cu-Nat MT1 (n,total) >> |



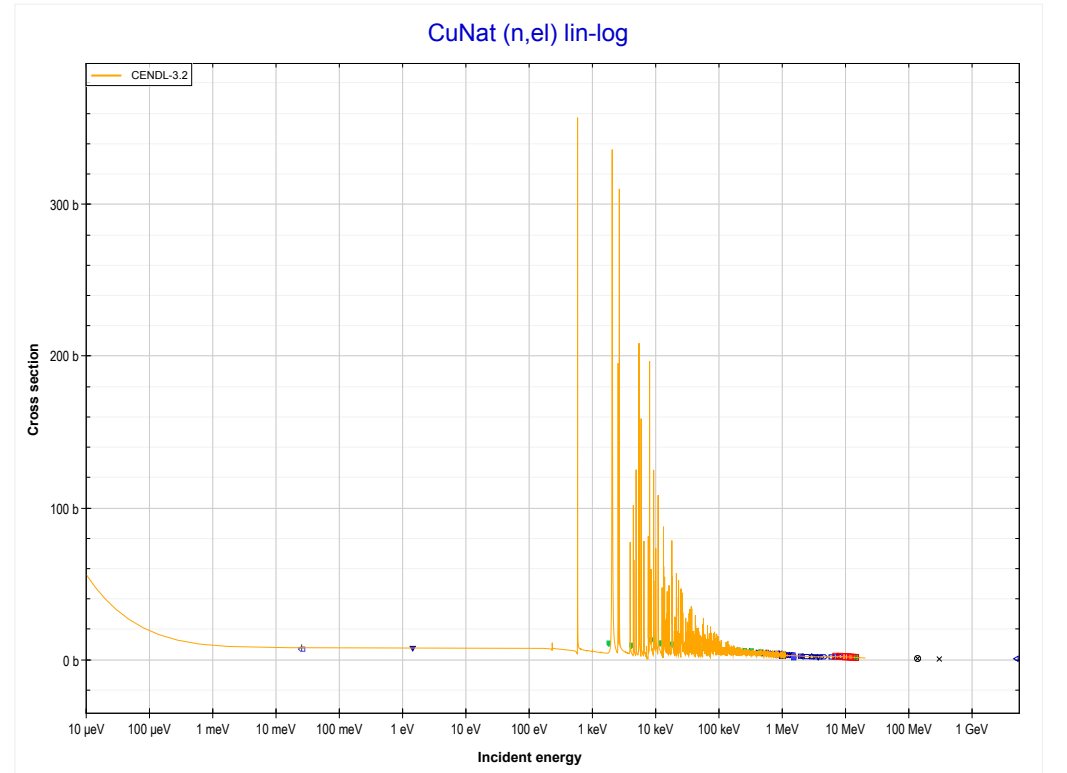
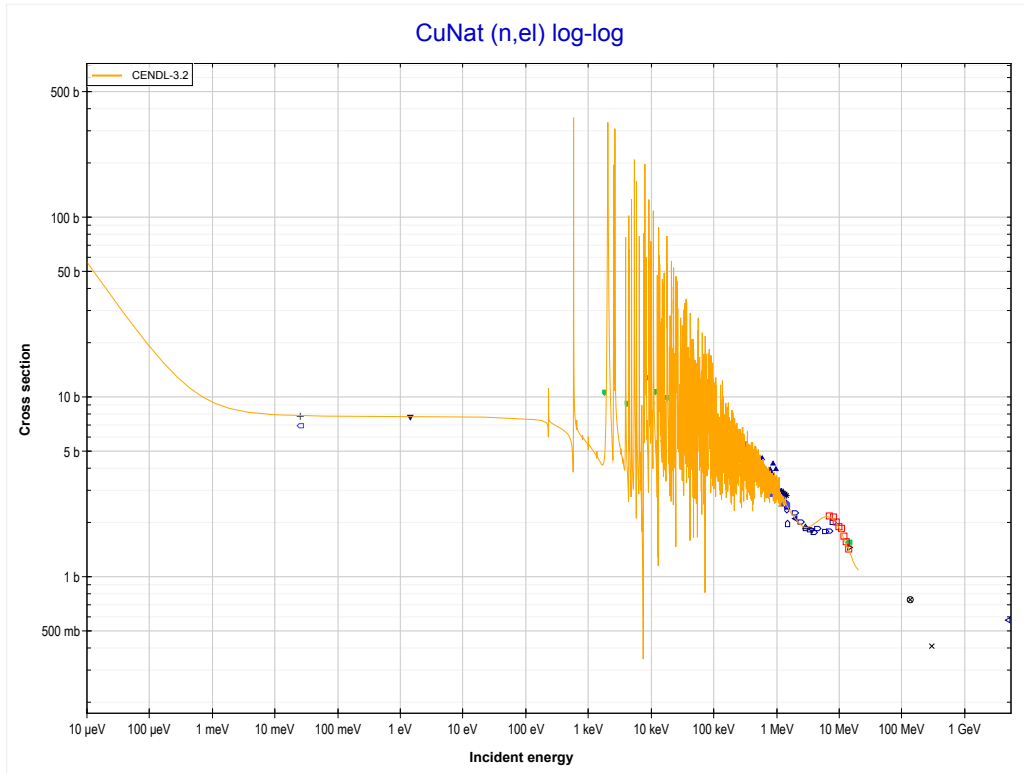
| Reaction | Q-Value |
|------------------------|-------------|
| Ni65(n, γ)Ni66 | 8951.92 keV |

| | | |
|----------------------------------|----------------------|--------------------|
| << 28-Ni-64 | 29-Cu-Nat | 29-Cu-63 >> |
| << 28-Ni-65 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



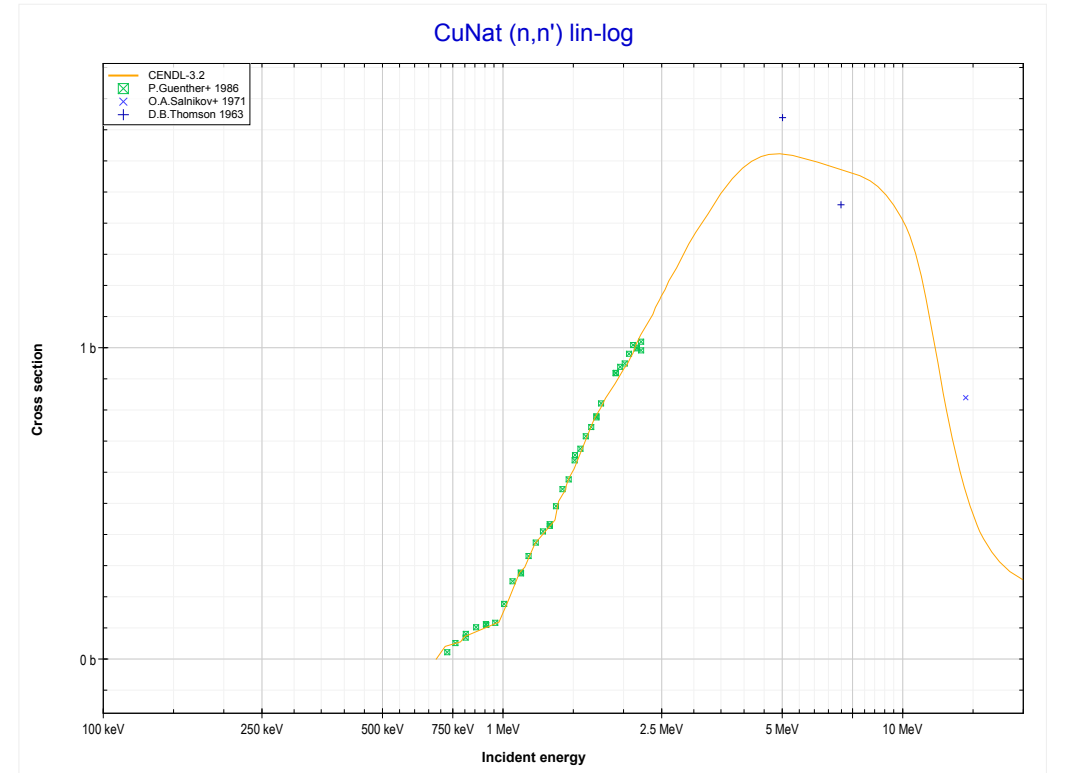
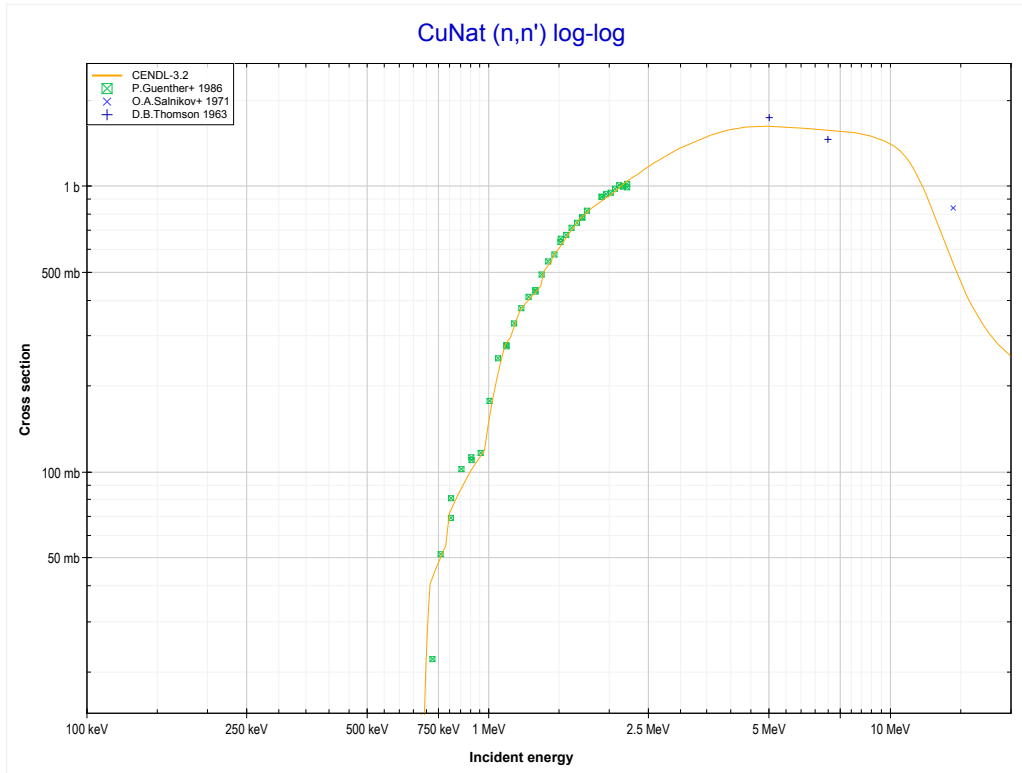
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 11.5946 b | 11.5946 b | 12.601 b | 1.08683 | 117.343 b | 3.5362 b | 2.94443 b |

| | | |
|------------------|------------------------|---------------|
| << 28-Ni-64 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



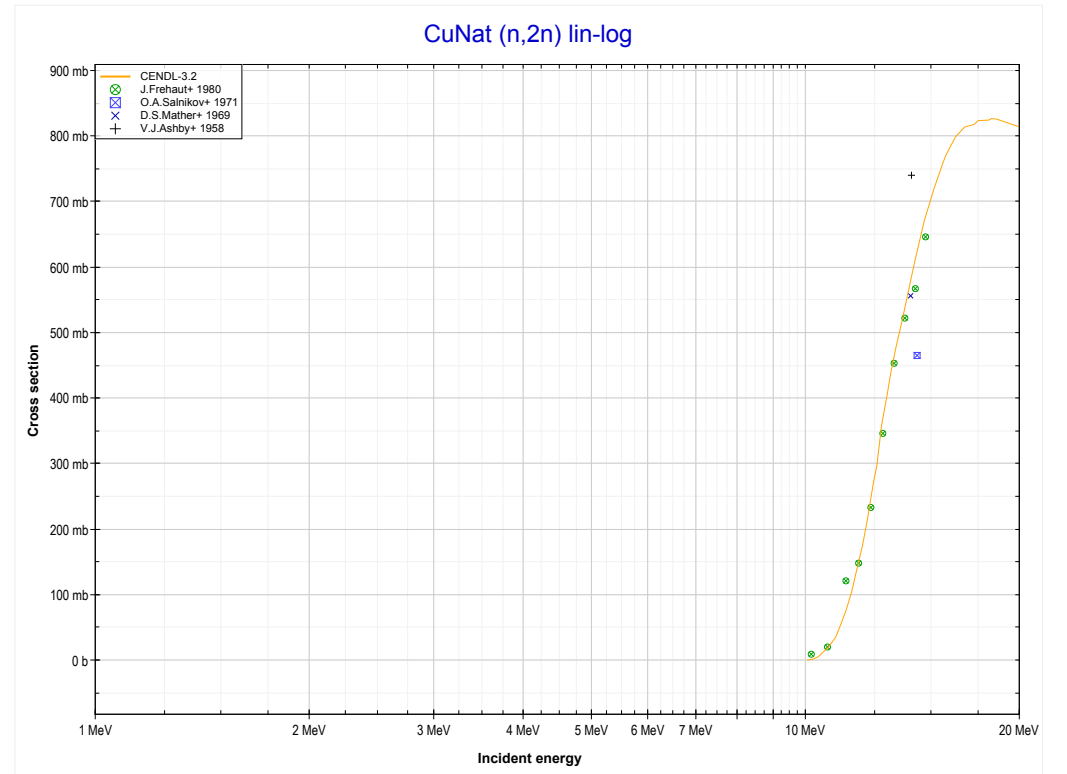
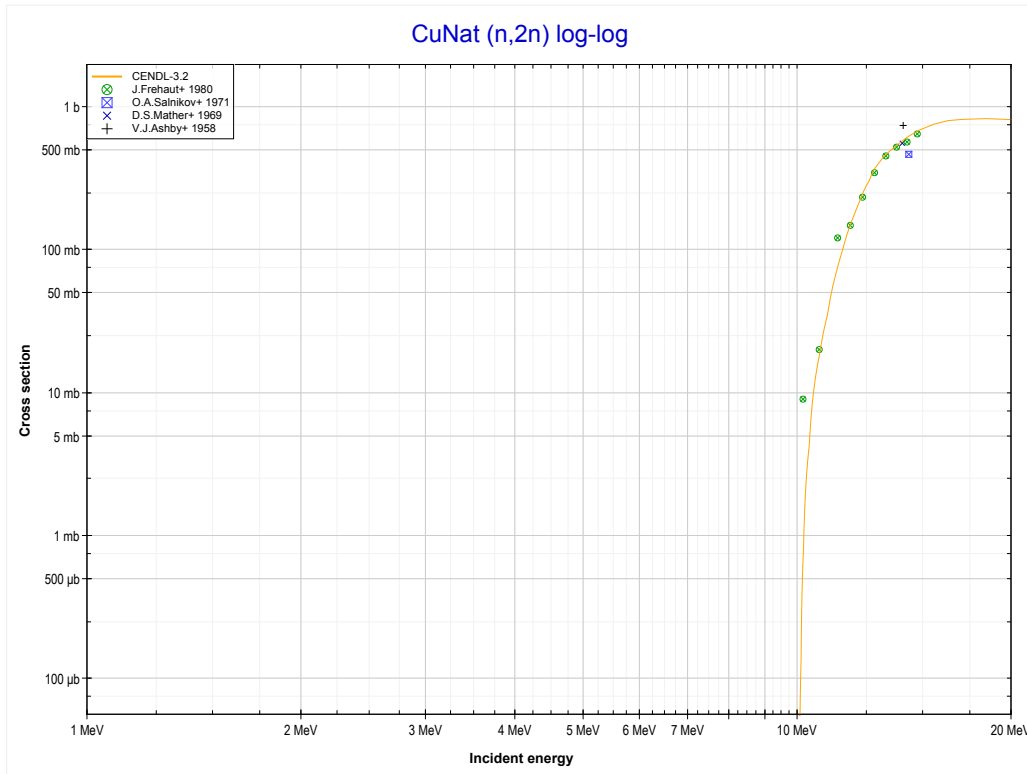
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 7.84109 b | 7.84109 b | 8.8478 b | 1.12839 | 113.259 b | 2.79843 b | 1.4231 b |

| | | |
|--------------------|-------------------|----------------|
| << 28-Ni-62 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT16 (n,2n) >> |



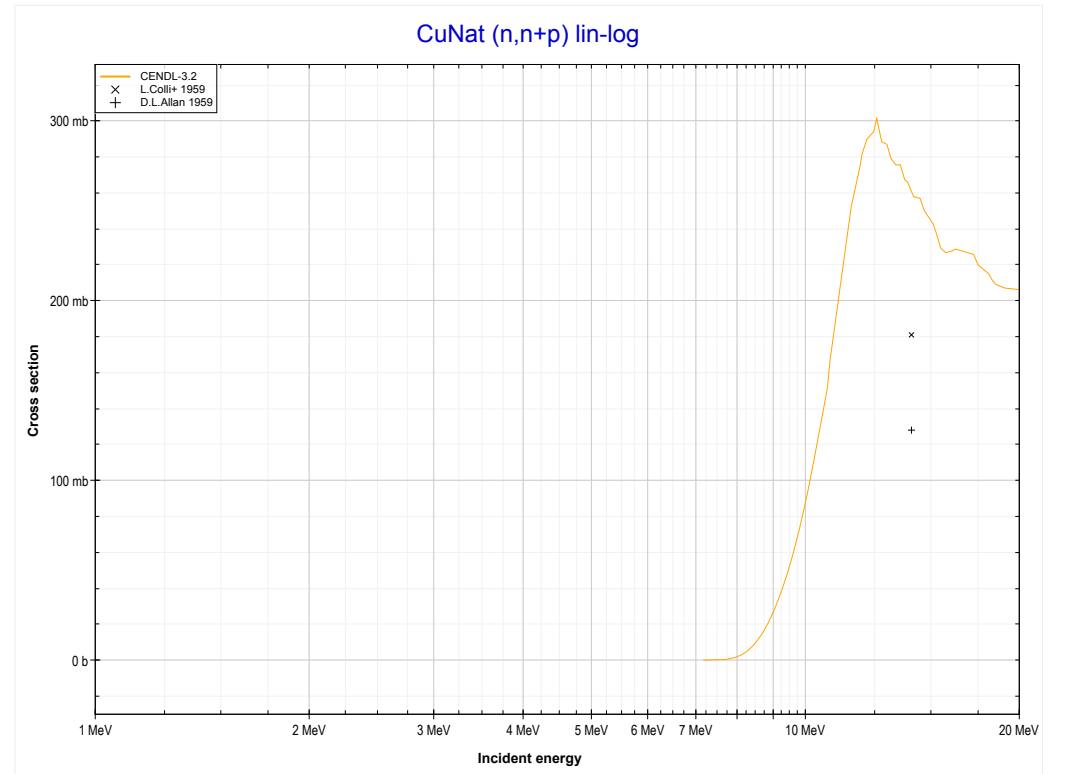
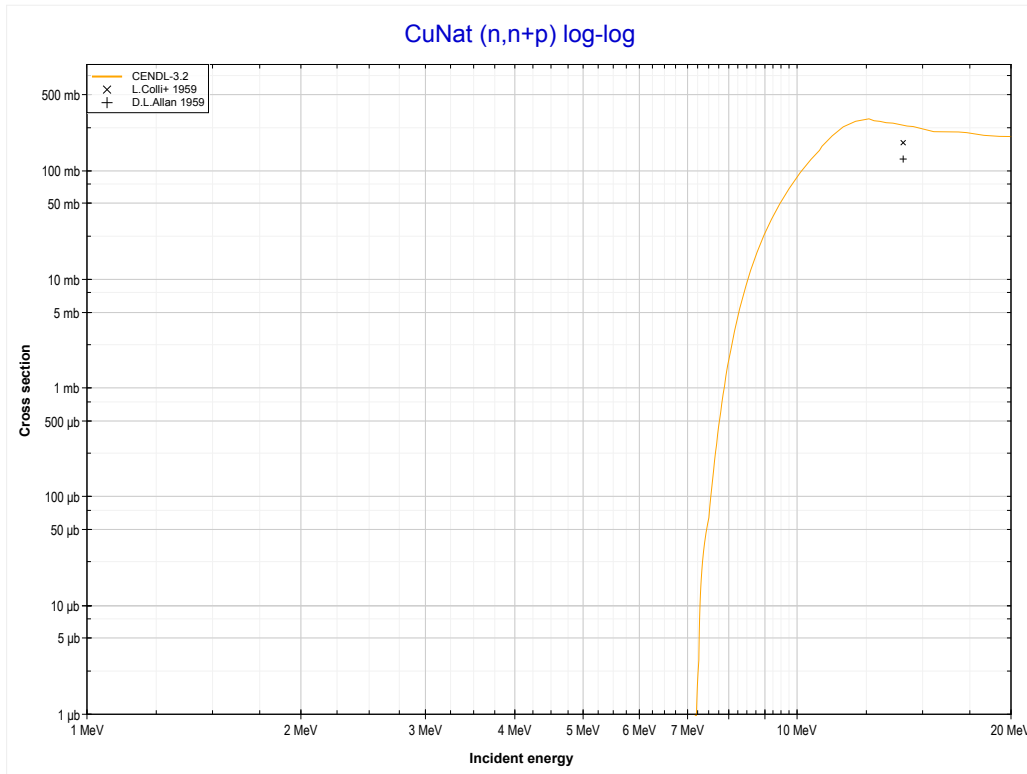
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.712482 b | 0.587036 b |

| | | |
|---------------|--------------------|-----------------|
| << 28-Ni-64 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT4 (n,n') | MT16 (n,2n) | MT28 (n,n+p) >> |



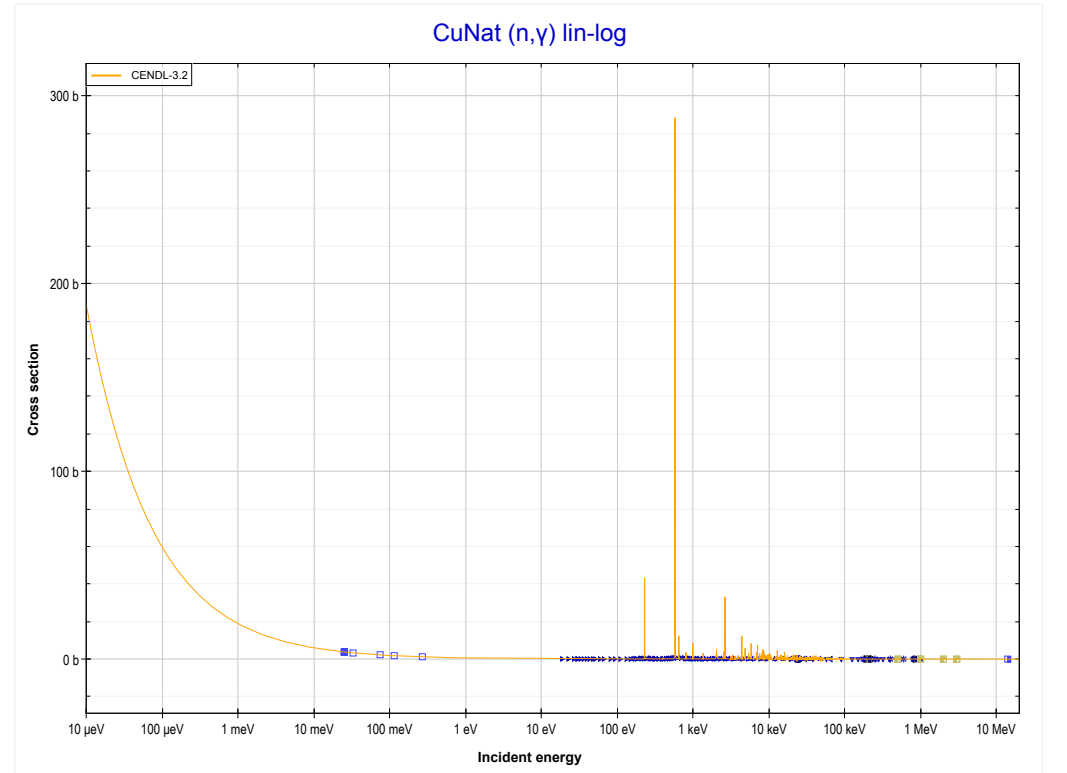
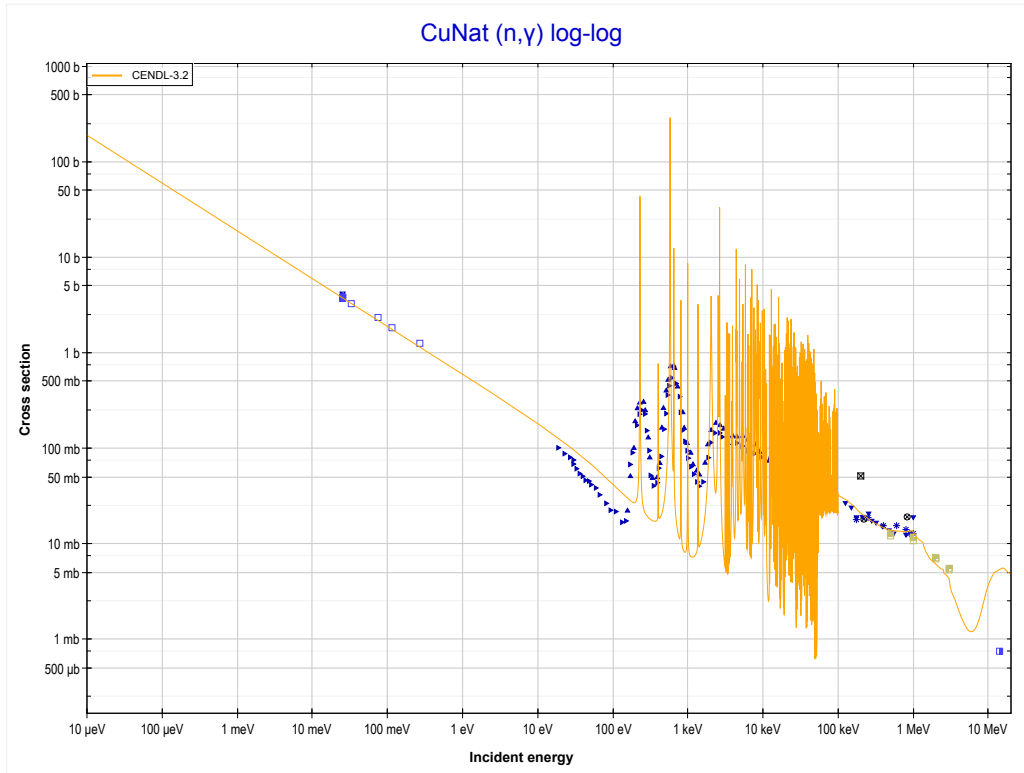
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58794E-4 b | 0.569478 b |

| | | |
|----------------|---------------------|-------------------------|
| << 28-Ni-64 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT16 (n,2n) | MT28 (n,n+p) | MT102 (n, γ) >> |



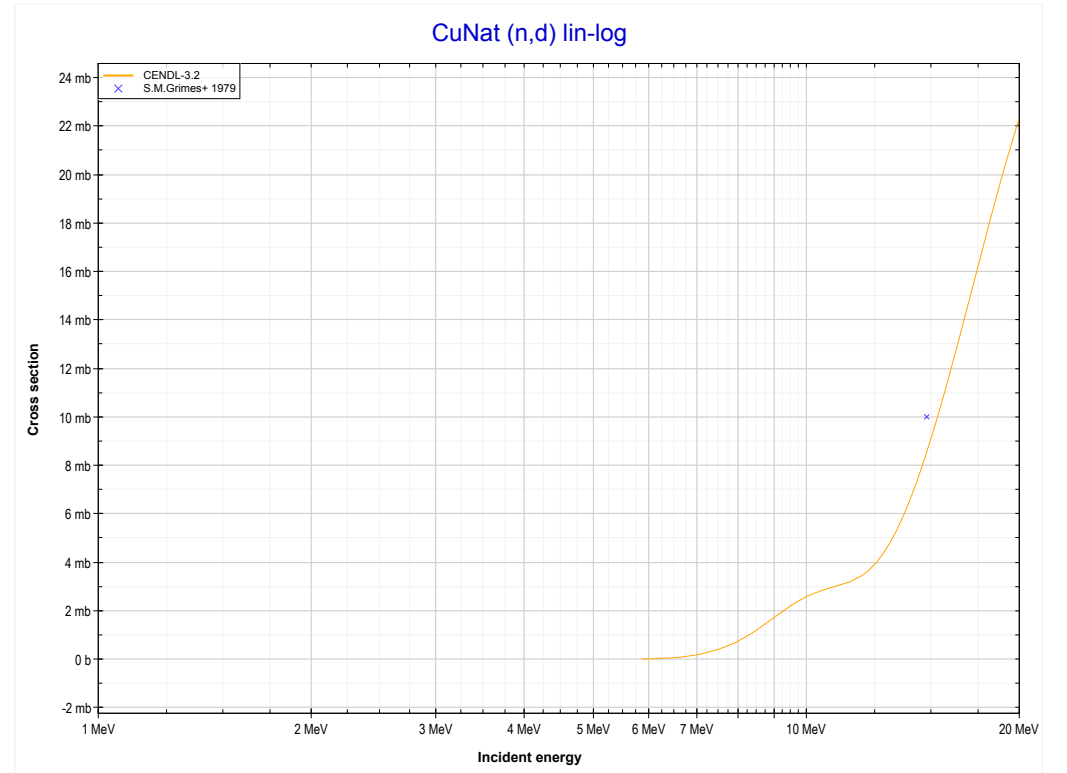
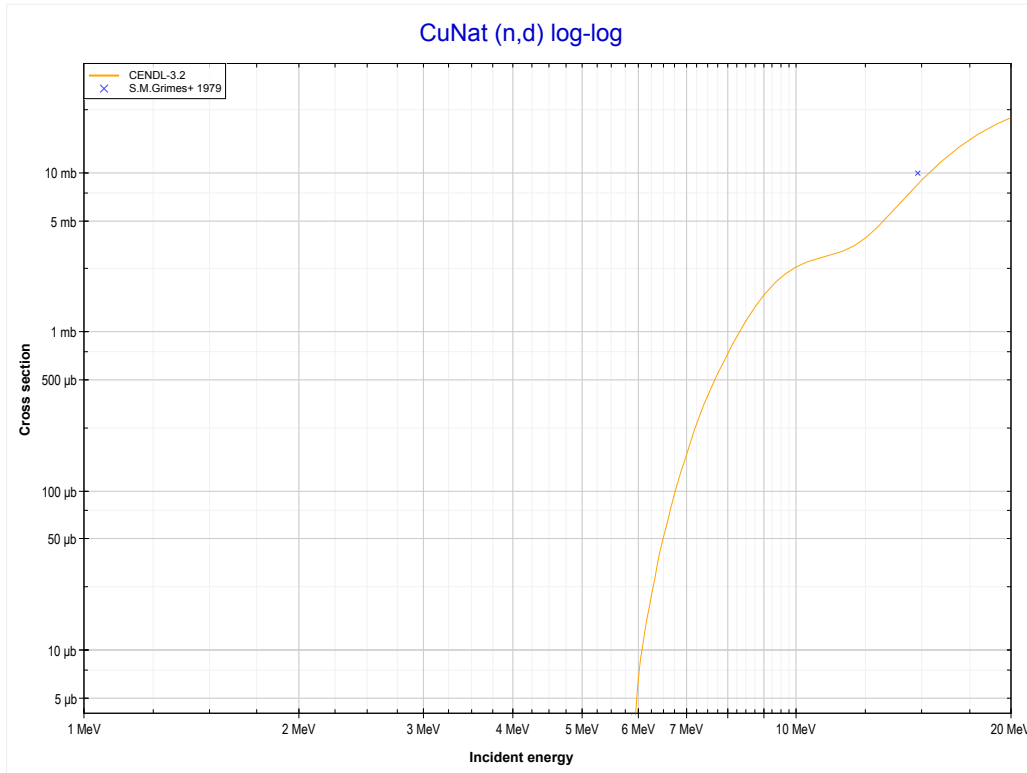
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17016E-4 b | 0.263832 b |

| | | |
|-----------------|--------------------------------------|----------------|
| << 28-Ni-65 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT28 (n,n+p) | MT102 (n,γ) | MT104 (n,d) >> |



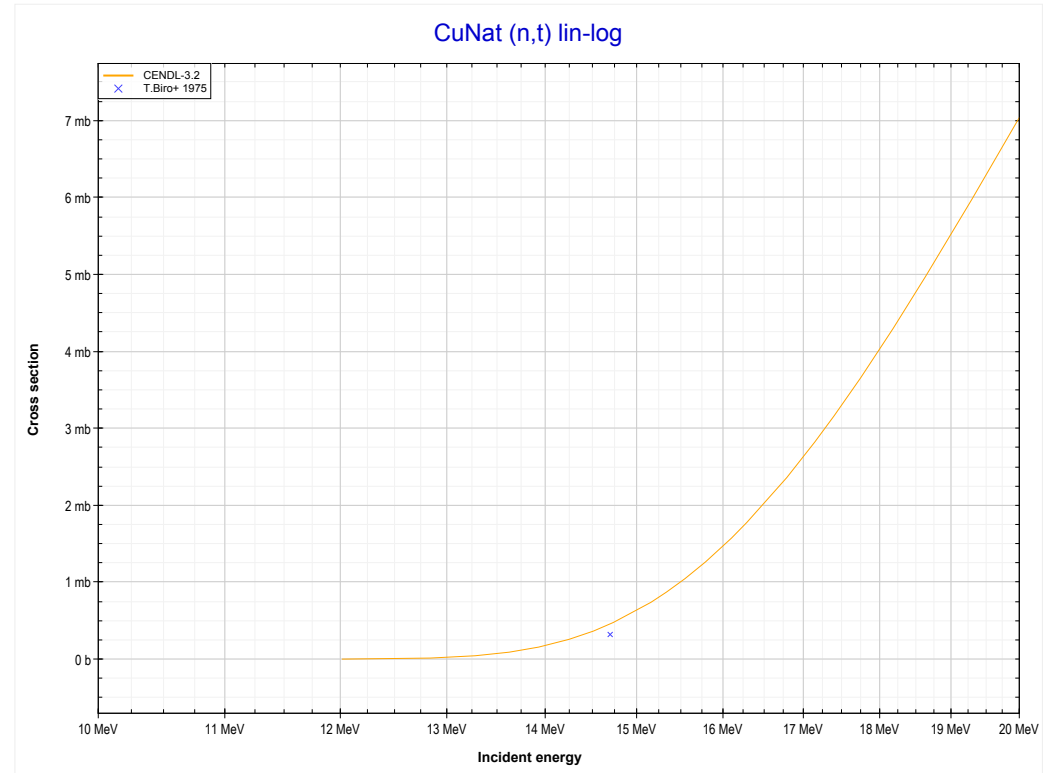
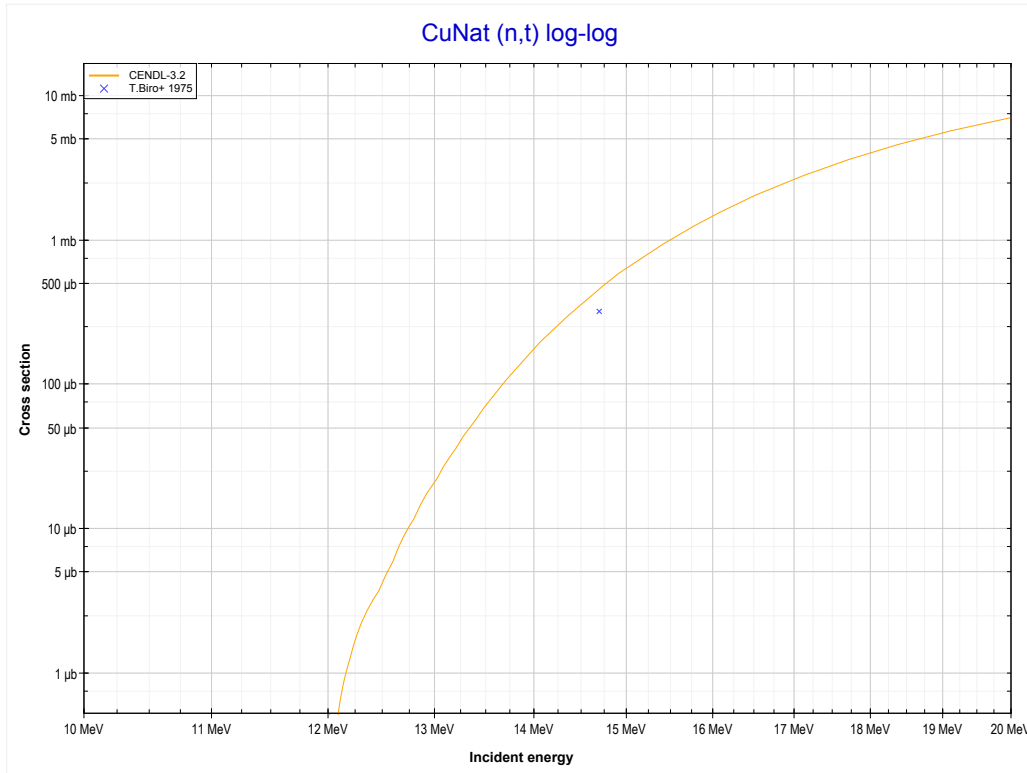
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 3.75355 b | 3.75355 b | 3.7535 b | 1 | 4.07628 b | 0.00924259 b | 0.00531029 b |

| | | |
|-------------------------|--------------------|----------------|
| << 28-Ni-64 | 29-Cu-Nat | 29-Cu-63 >> |
| << MT102 (n, γ) | MT104 (n,d) | MT105 (n,t) >> |



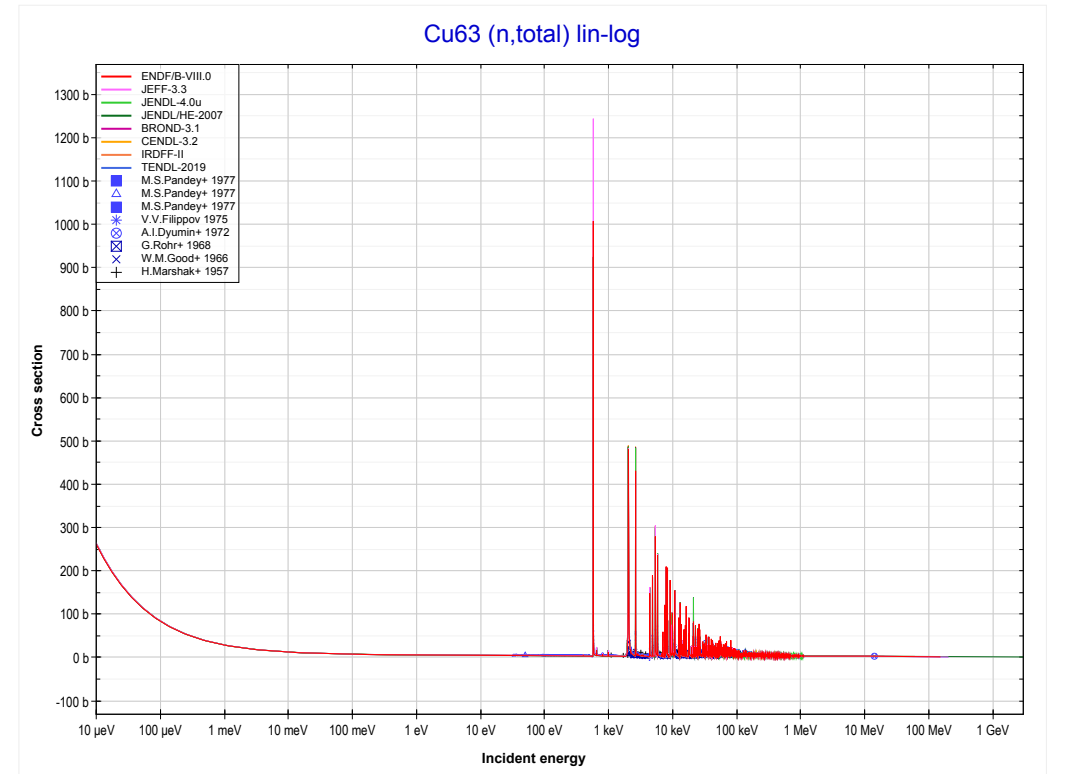
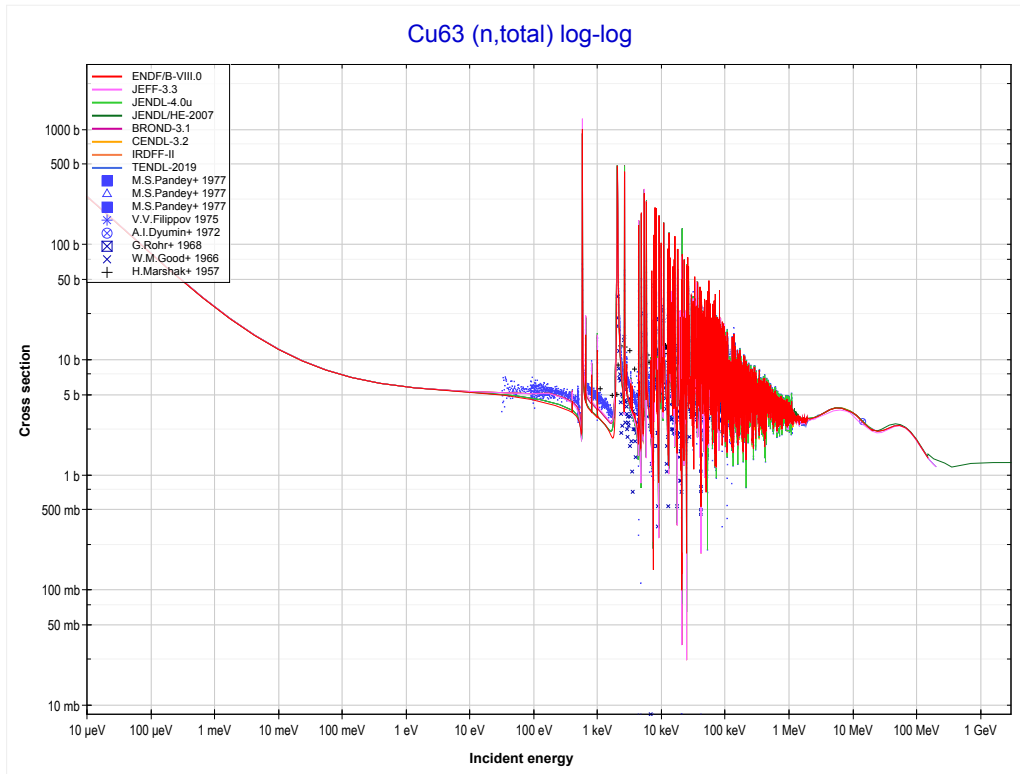
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96607E-5 b | 0.00653896 b |

| | | |
|----------------|--------------------|---------------------------|
| << 28-Ni-60 | 29-Cu-Nat | 30-Zn-64 >> |
| << MT104 (n,d) | MT105 (n,t) | 29-Cu-63 MT1 (n,total) >> |



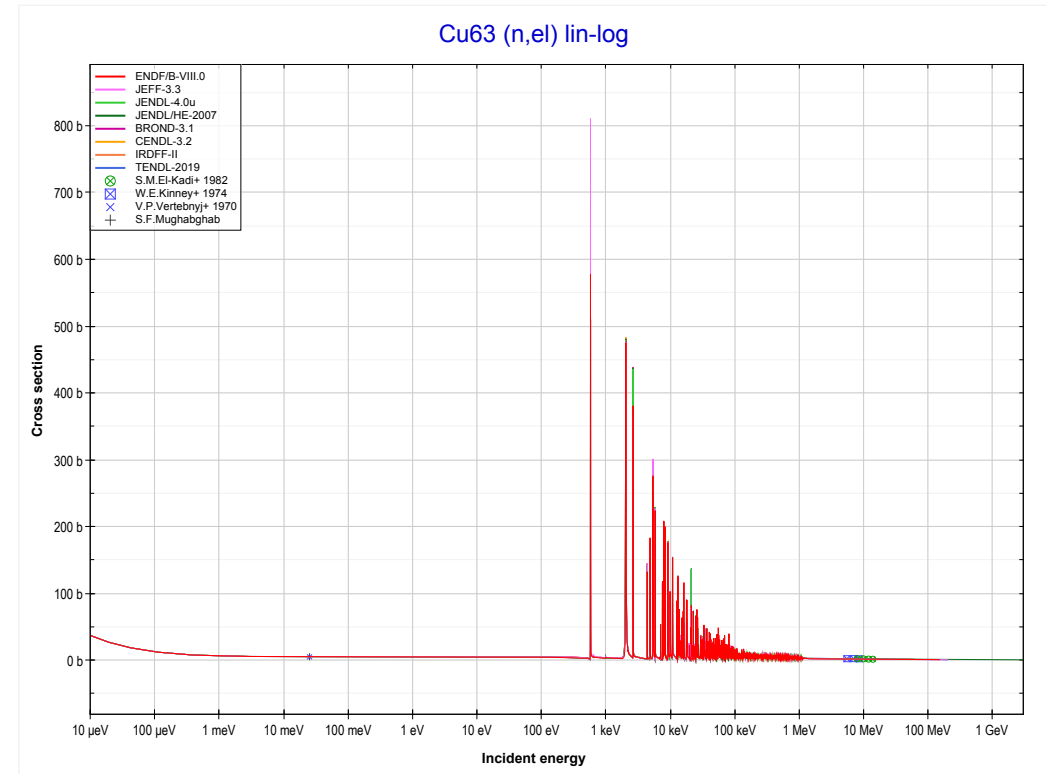
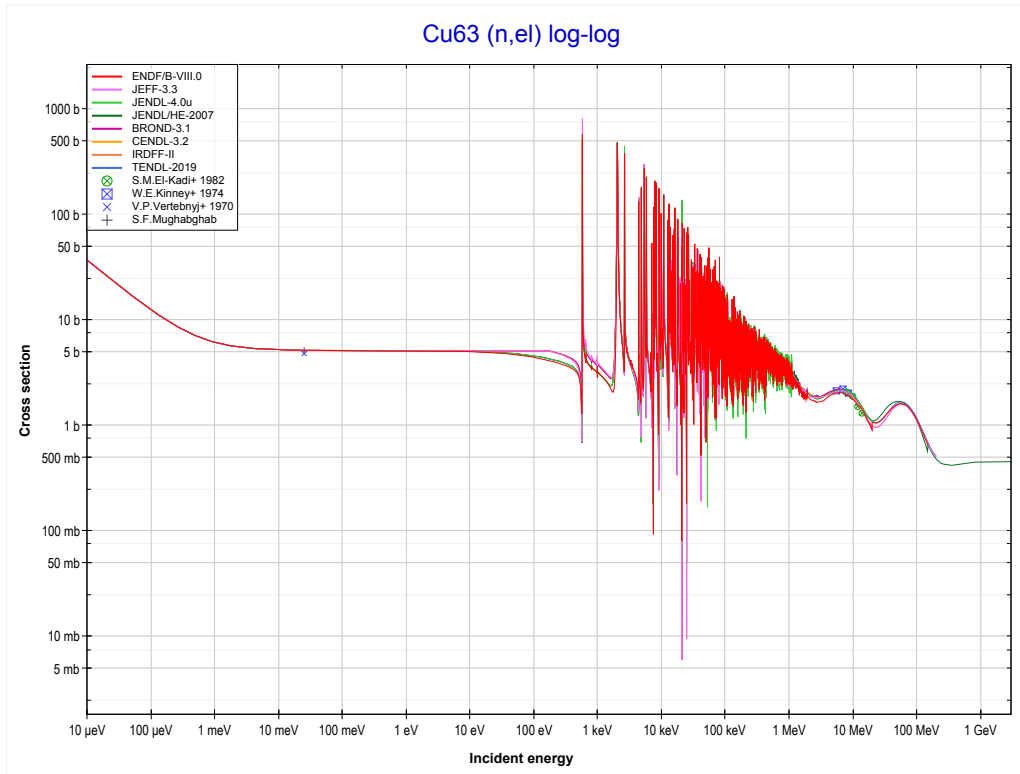
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39252E-7 b | 1.77016E-4 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << 29-Cu-Nat MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



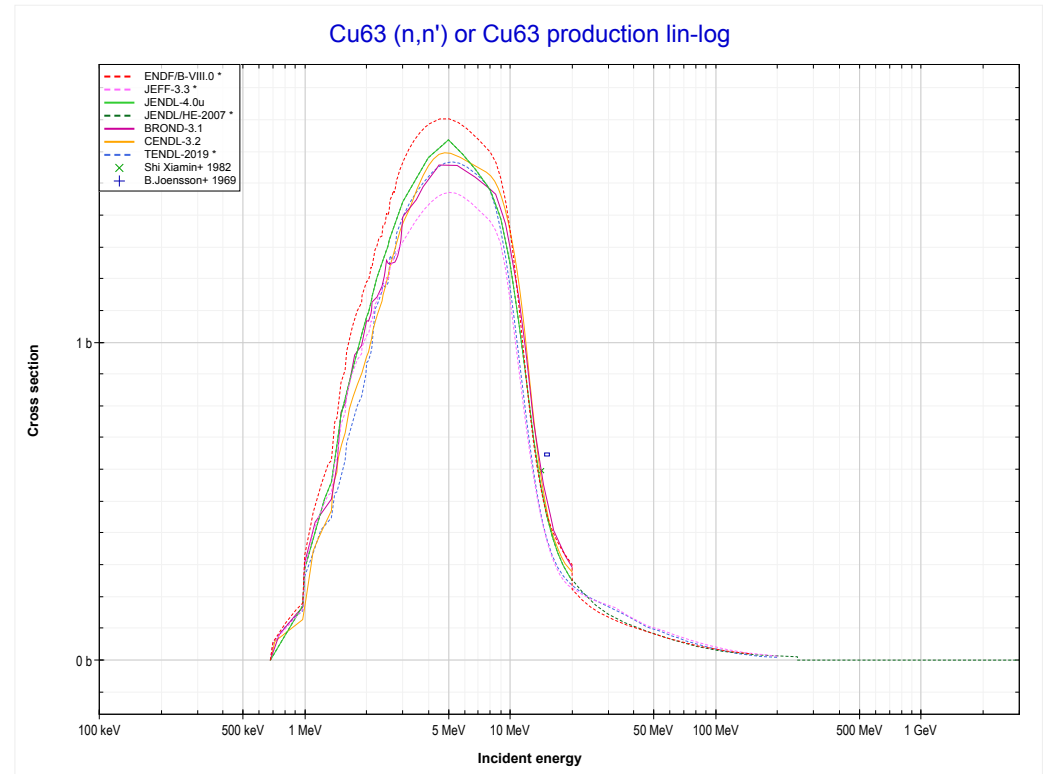
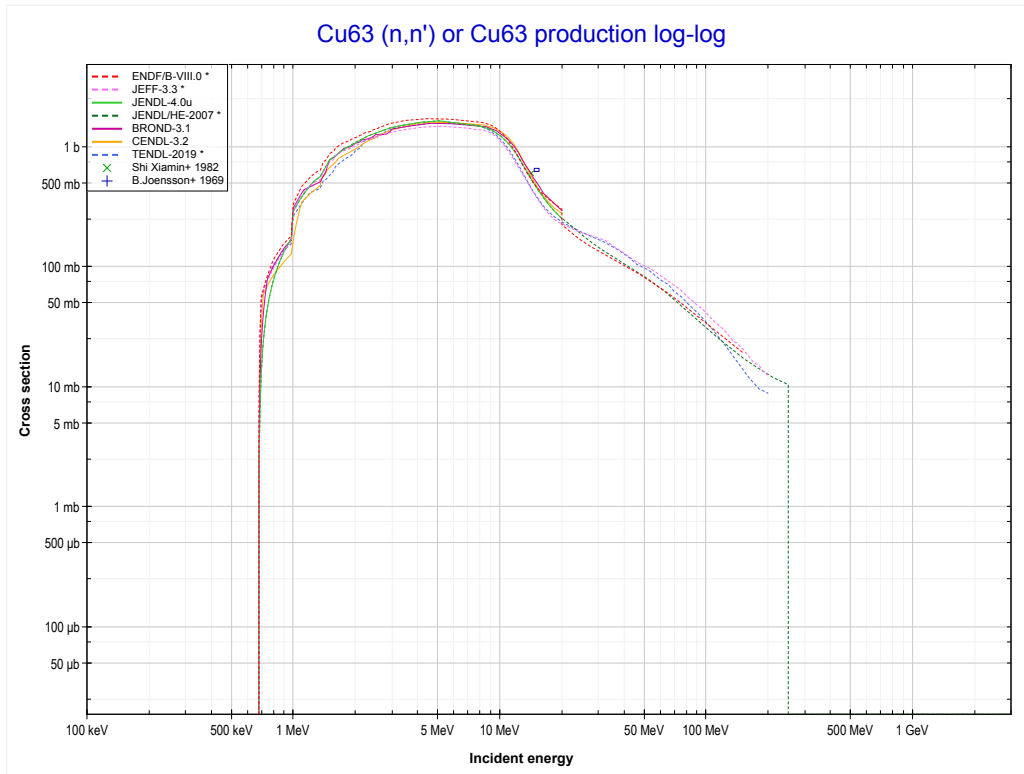
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.61385 b | 9.61385 b | 10.275 b | 1.06877 | 96.0328 b | 3.66162 b | 2.9093 b |
| JEFF-3.3 | 9.6615 b | 9.6615 b | 10.322 b | 1.06837 | 102.882 b | 3.59701 b | 2.77222 b |
| JENDL-4.0u | 9.65077 b | 9.65077 b | 10.312 b | 1.06849 | 98.8553 b | 3.68925 b | 2.9481 b |
| JENDL/HE-2007 | 9.64921 b | 9.64921 b | 10.309 b | 1.06842 | 98.9452 b | 3.66497 b | 2.9481 b |
| BROND-3.1 | 9.6135 b | 9.6135 b | 10.275 b | 1.06878 | 101.696 b | 3.66135 b | 2.9093 b |
| CENDL-3.2 | 9.61227 b | 9.61227 b | 10.273 b | 1.06869 | 101.695 b | 3.55069 b | 2.93672 b |
| IRDFF-II | 9.61295 b | 9.61295 b | 10.276 b | 1.06896 | 101.697 b | 3.66104 b | 2.9093 b |
| TENDL-2019 | 9.64926 b | 9.64926 b | 10.309 b | 1.06842 | 98.1859 b | 3.61914 b | 2.93495 b |

| | | |
|------------------|------------------------|---------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



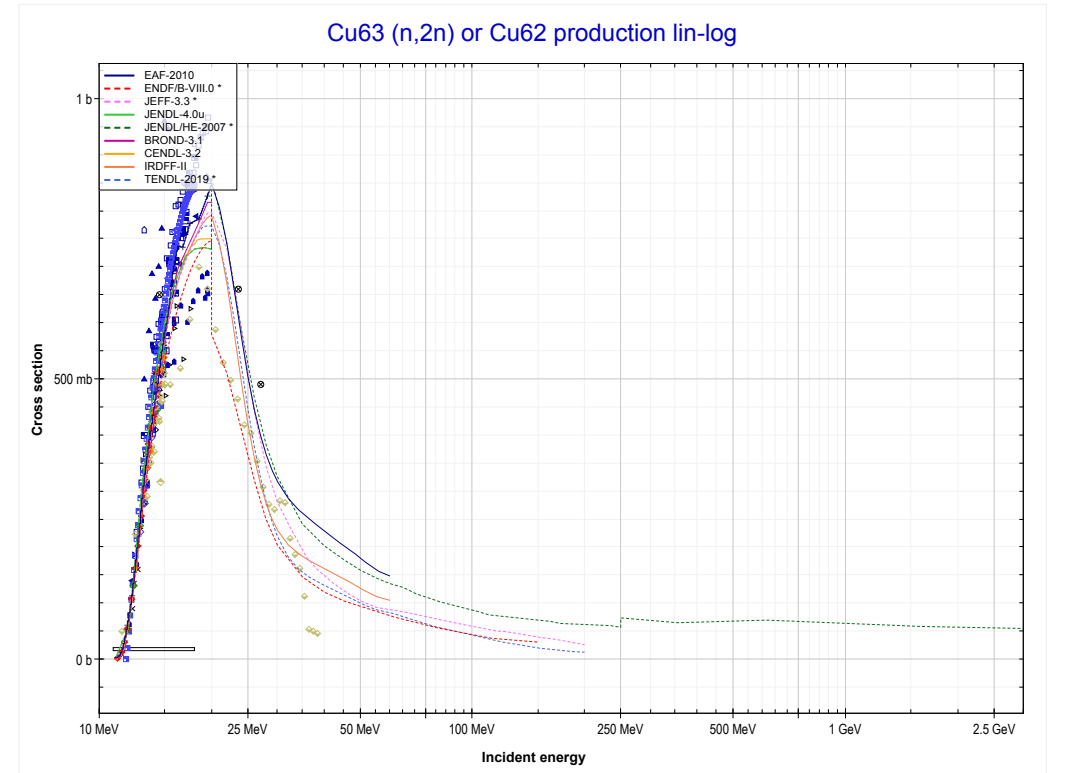
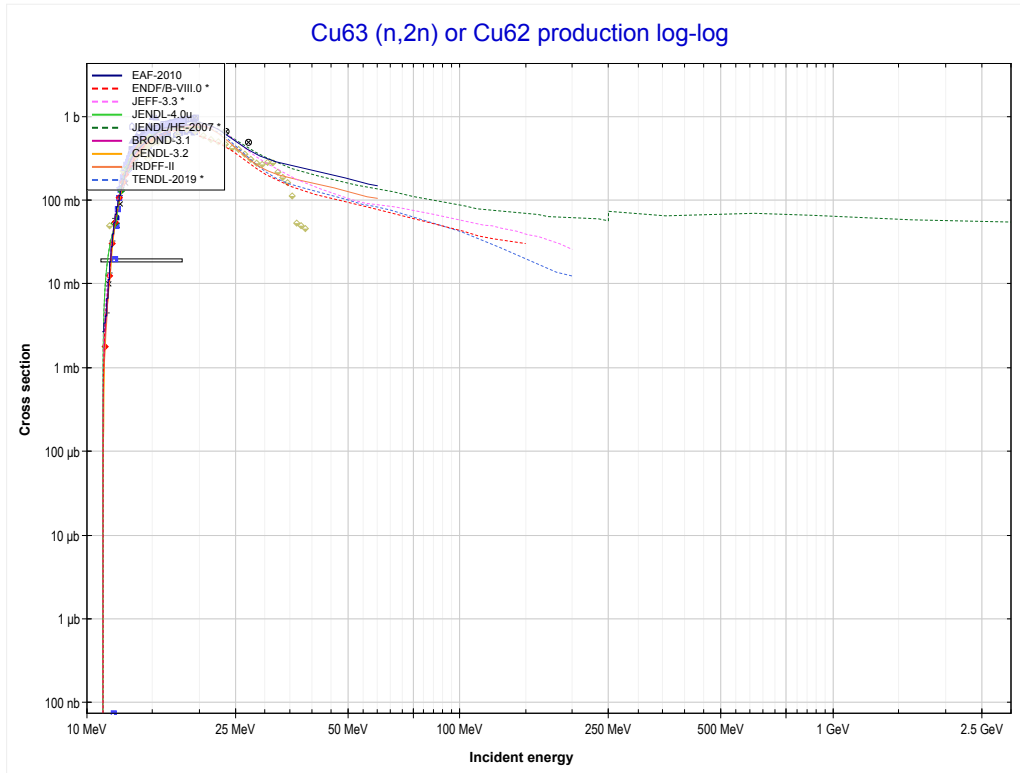
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.14334 b | 5.14334 b | 5.8032 b | 1.1283 | 91.1091 b | 2.77636 b | 1.40057 b |
| JEFF-3.3 | 5.13816 b | 5.13816 b | 5.7974 b | 1.12831 | 97.5339 b | 2.83737 b | 1.42222 b |
| JENDL-4.0u | 5.14303 b | 5.14303 b | 5.8029 b | 1.12831 | 93.9073 b | 2.8762 b | 1.48417 b |
| JENDL/HE-2007 | 5.14303 b | 5.14303 b | 5.8033 b | 1.12838 | 93.9978 b | 2.85204 b | 1.48417 b |
| BROND-3.1 | 5.14332 b | 5.14332 b | 5.8033 b | 1.12831 | 96.768 b | 2.87866 b | 1.47209 b |
| CENDL-3.2 | 5.14332 b | 5.14332 b | 5.8036 b | 1.12837 | 96.7689 b | 2.79233 b | 1.40905 b |
| IRDFF-II | 5.14332 b | 5.14332 b | 5.805 b | 1.12865 | 96.7698 b | 2.87852 b | 1.47209 b |
| TENDL-2019 | 5.14303 b | 5.14303 b | 5.8033 b | 1.12838 | 93.2522 b | 2.87258 b | 1.4423 b |

| | | |
|--------------------|--|----------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cu63 production) | MT16 (n,2n) >> |



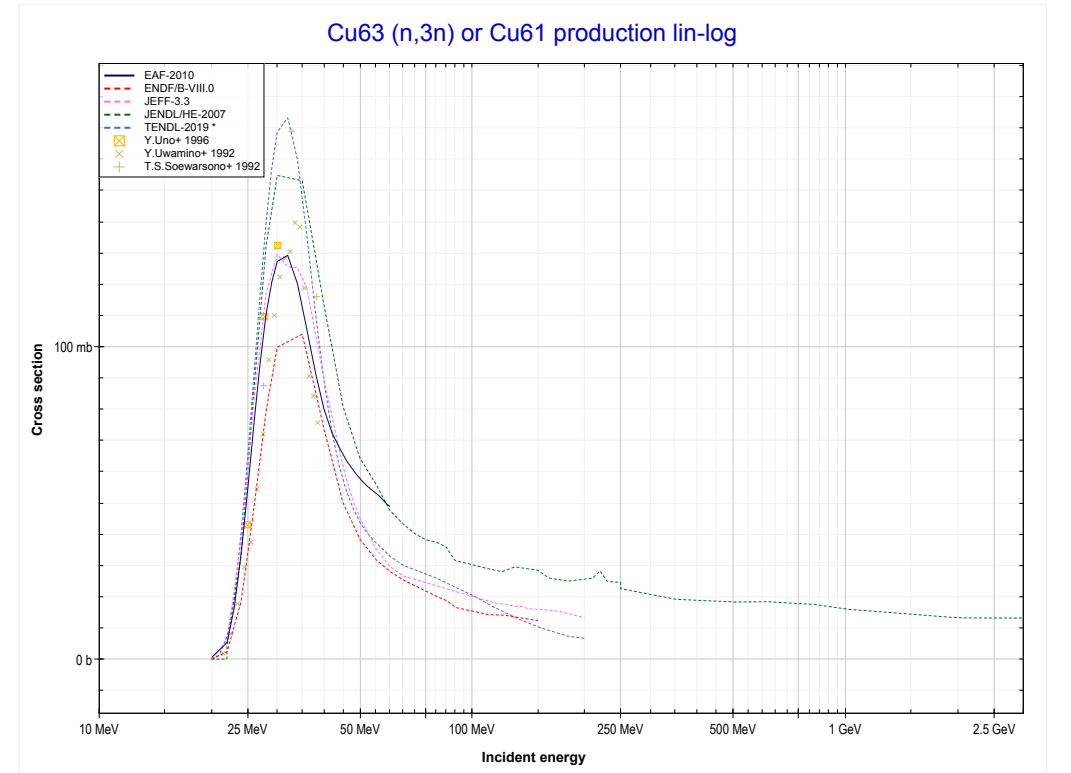
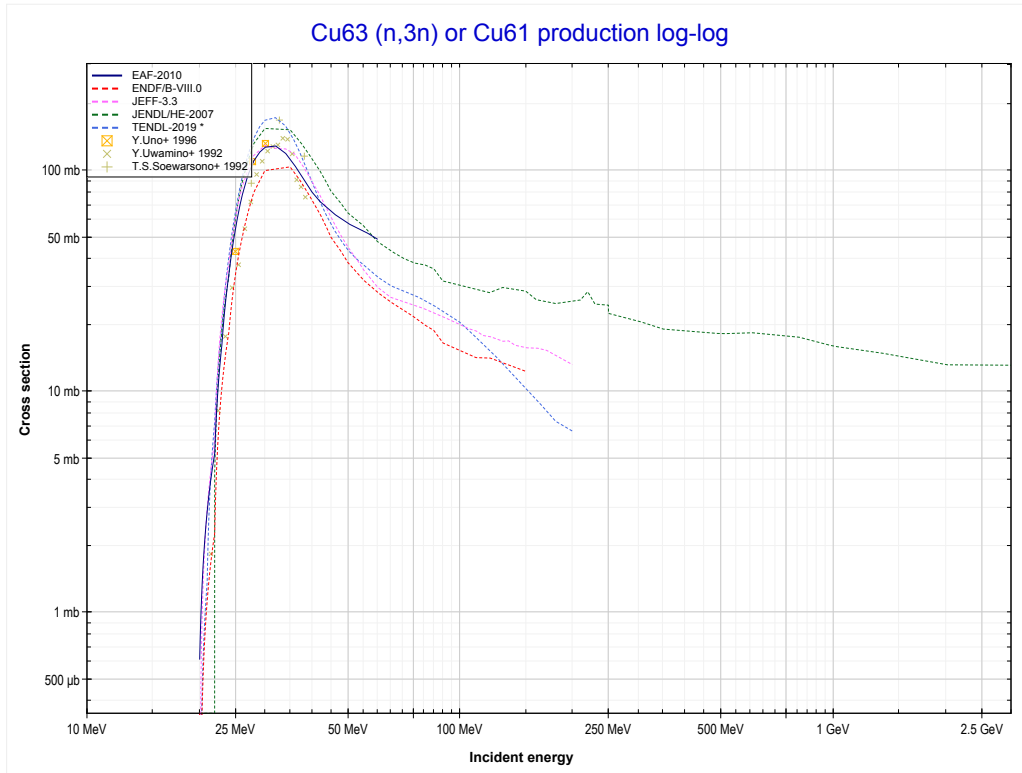
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.849758 b | 0.549538 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.726467 b | 0.461756 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.775454 b | 0.555913 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.775498 b | 0.555913 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.749737 b | 0.617037 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.725196 b | 0.590392 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.713545 b | 0.468863 b |

| | | |
|---------------|---|----------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Cu62 production) | MT17 (n,3n) >> |



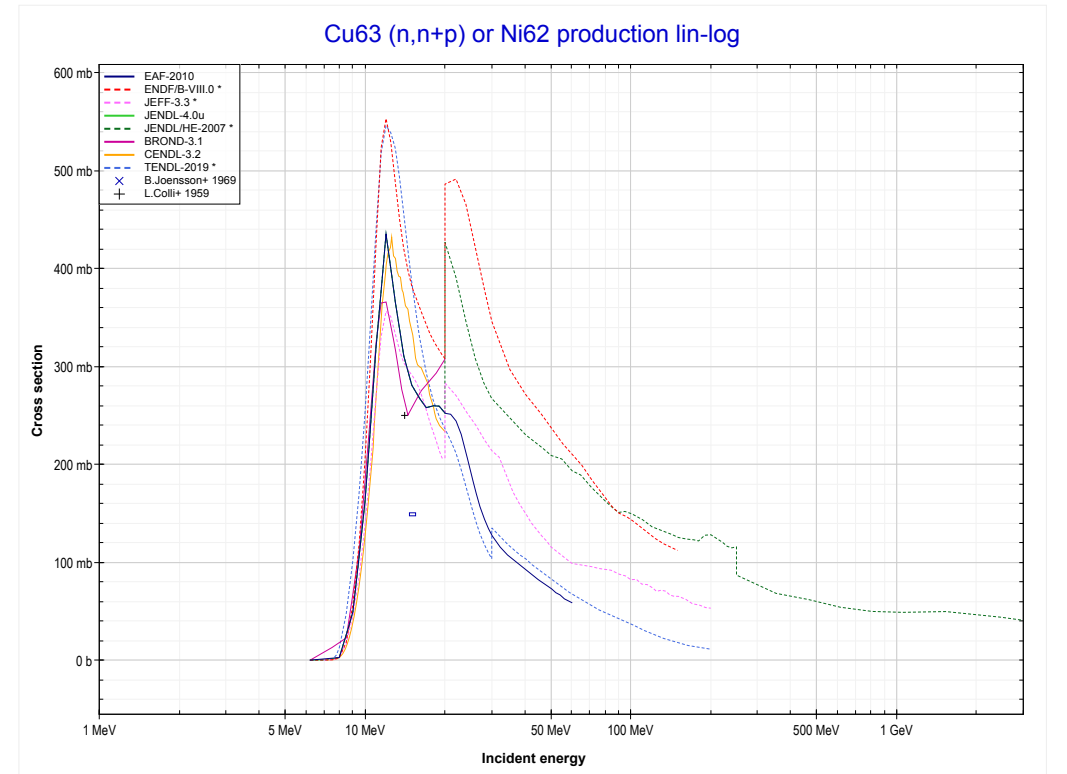
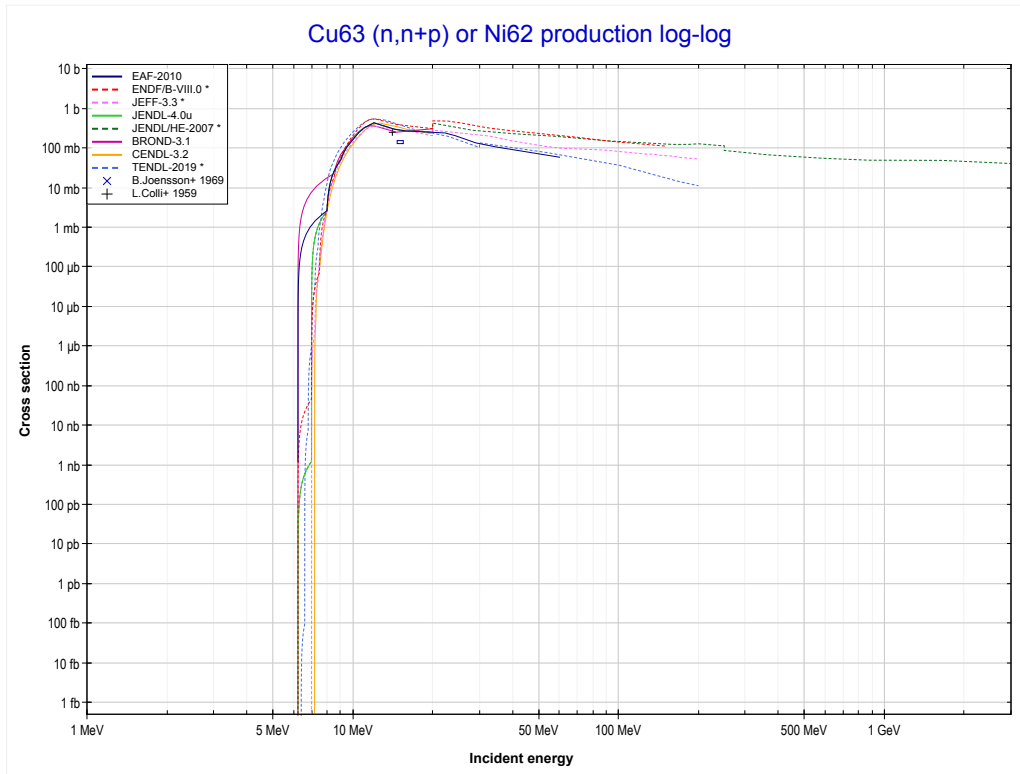
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.62243E-4 b | 0.448778 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49727E-4 b | 0.416822 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58877E-4 b | 0.437314 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.71383E-4 b | 0.489723 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.71382E-4 b | 0.489723 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59599E-4 b | 0.438705 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55161E-4 b | 0.4387 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 1.5384E-4 b | 0.438942 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55042E-4 b | 0.438942 b |

| | | |
|----------------|---|-----------------|
| << 28-Ni-58 | 29-Cu-63 | 30-Zn-64 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Cu61 production) | MT28 (n,n+p) >> |



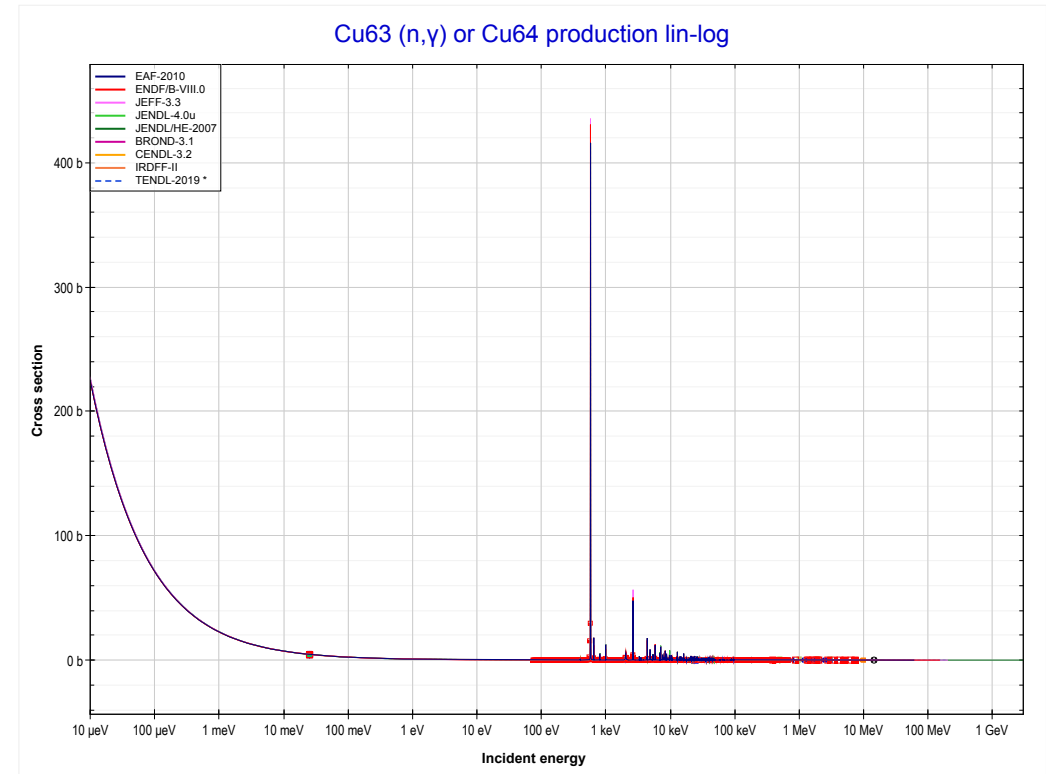
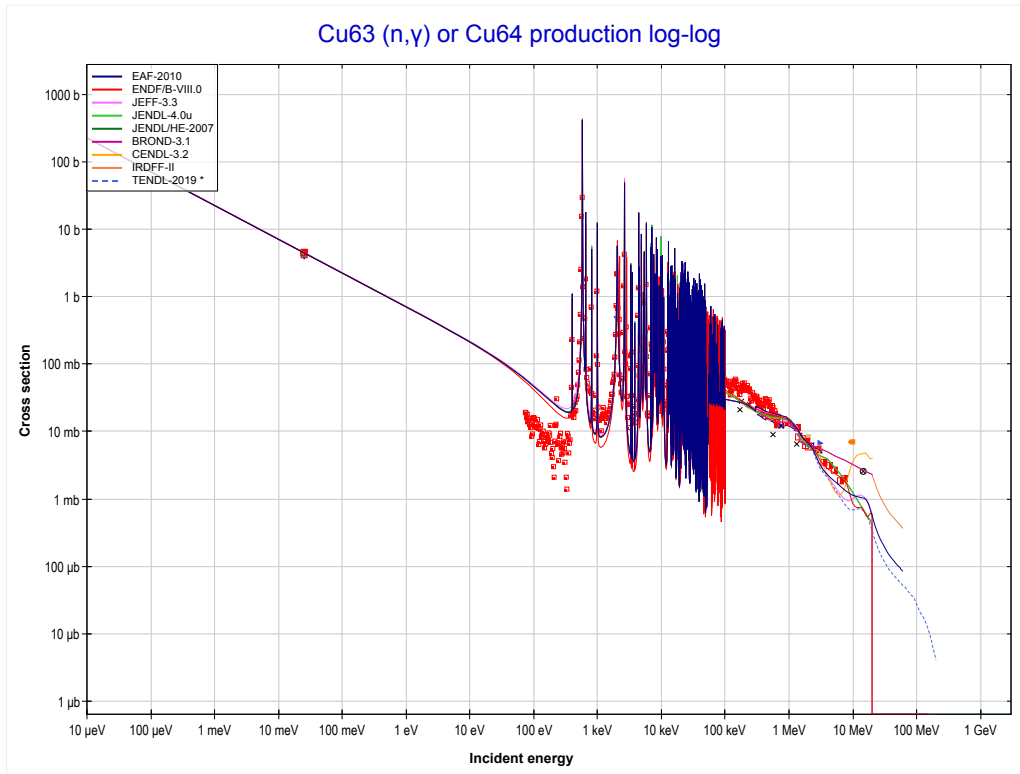
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Cu63(n,3n)Cu61 | -19738.33 keV |

| | | |
|----------------|--|-------------------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Ni62 production) | MT102 (n, γ) >> |



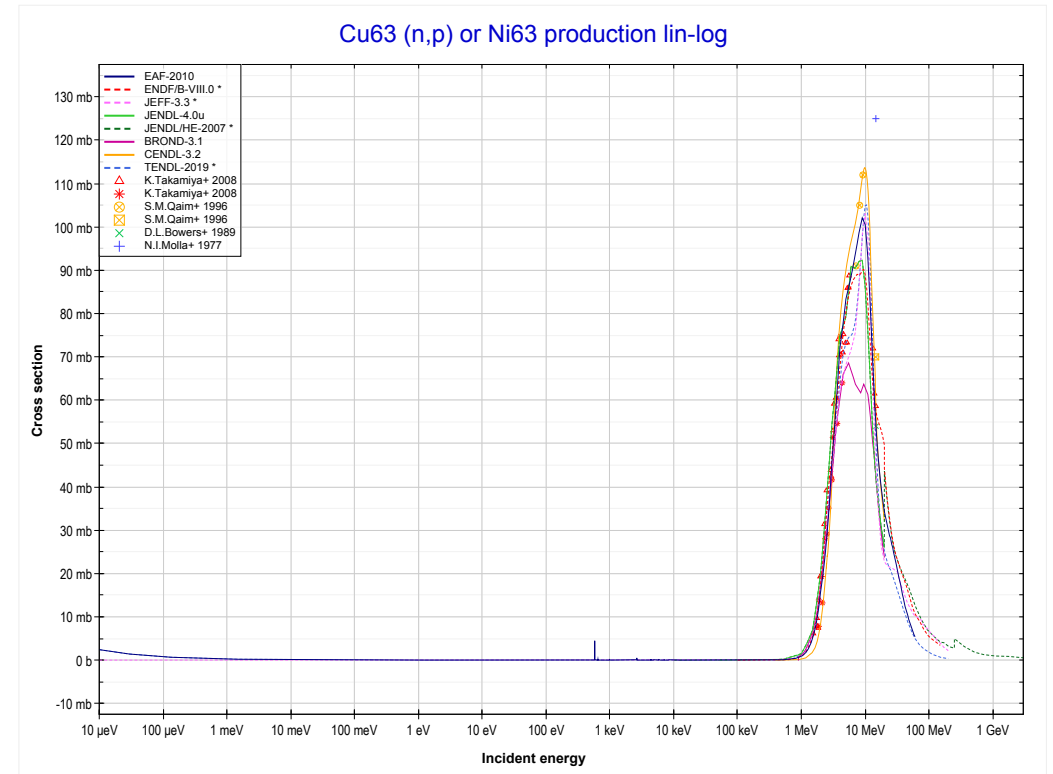
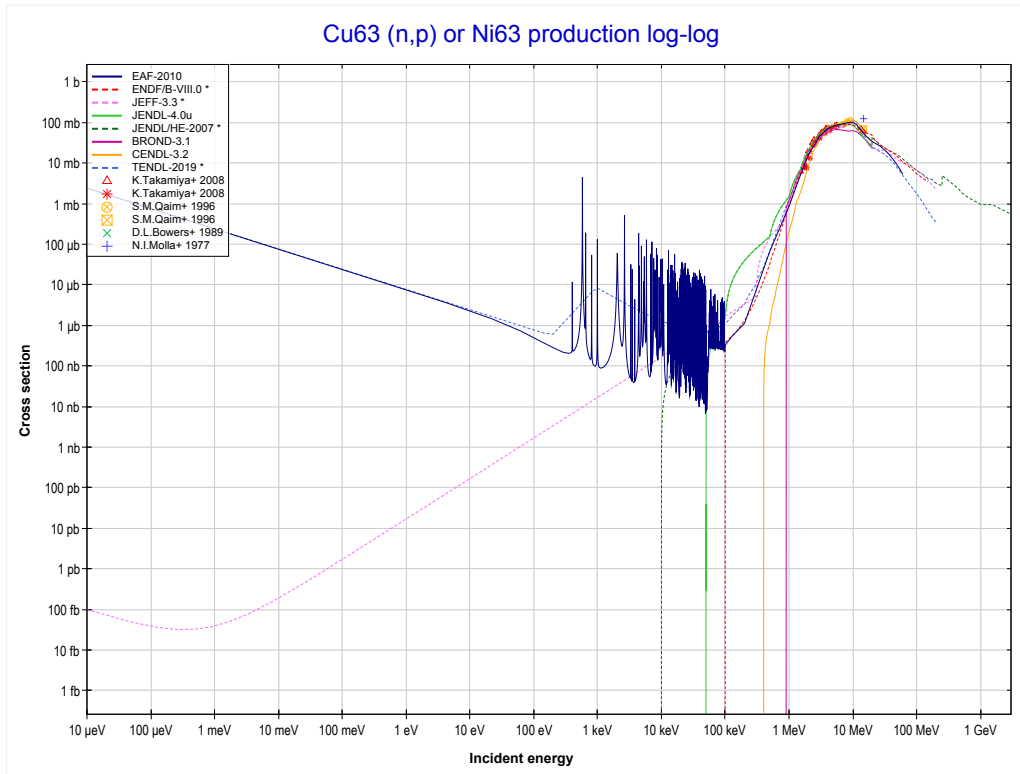
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109466 b | 0.419371 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.48342E-4 b | 0.303609 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.86621E-4 b | 0.31048 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.8662E-4 b | 0.31048 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104461 b | 0.2678 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.39919E-4 b | 0.371684 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00135003 b | 0.455296 b |

| | | |
|-----------------|---|----------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-64 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cu64 production) | MT103 (n,p) >> |



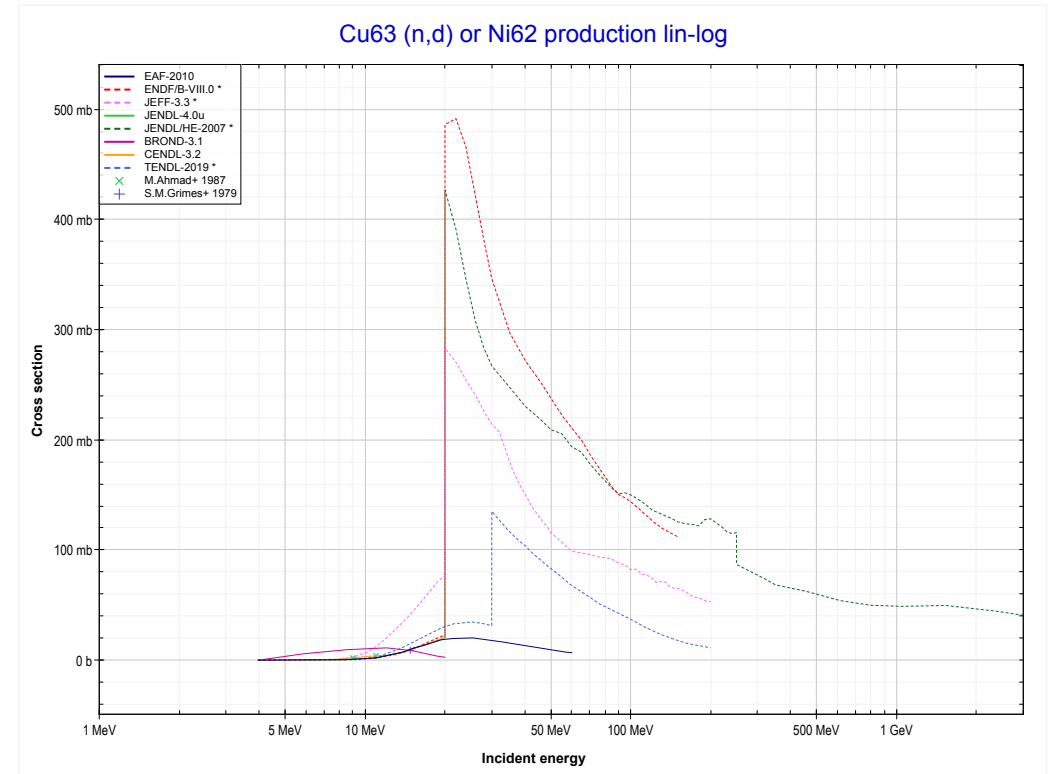
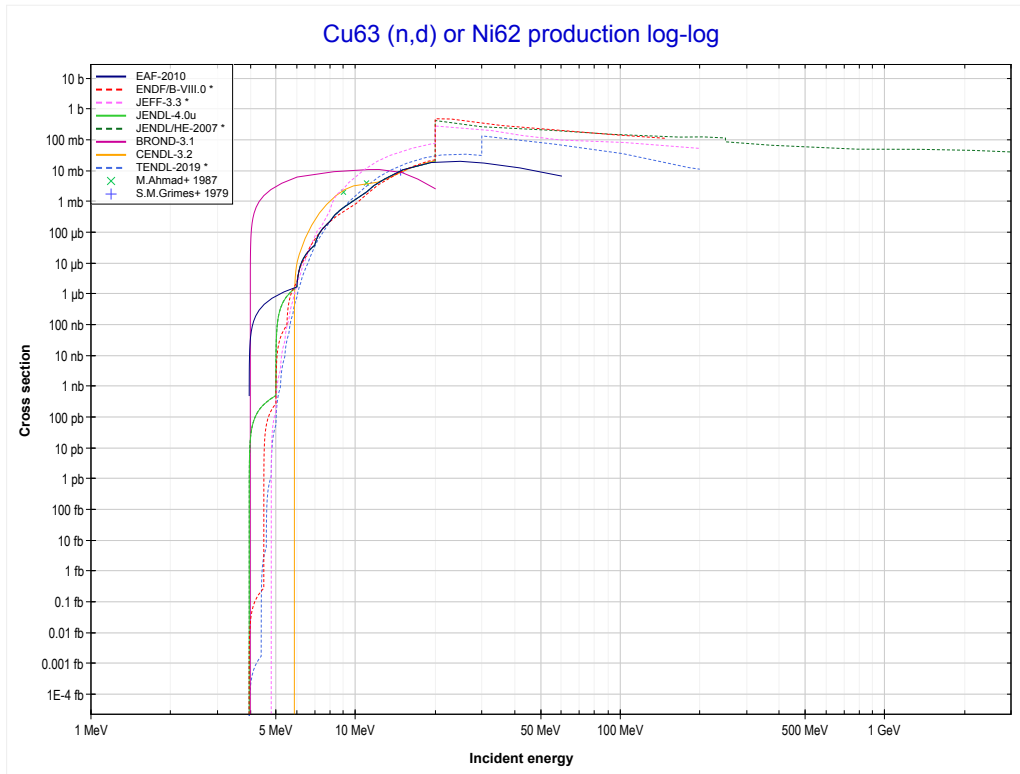
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.47341 b | 4.47006 b | 4.4688 b | 0.99971 | 4.92424 b | 0.010939 b | 0.00105333 b |
| ENDF/B-VIII.0 | 4.47051 b | 4.47051 b | 4.4717 b | 1.00028 | 4.92376 b | 0.0107975 b | 7.26837E-4 b |
| JEFF-3.3 | 4.52334 b | 4.52334 b | 4.5247 b | 1.0003 | 5.34816 b | 0.0108725 b | 0.00111504 b |
| JENDL-4.0u | 4.50774 b | 4.50774 b | 4.5088 b | 1.00024 | 4.94803 b | 0.0109183 b | 7.273E-4 b |
| JENDL/HE-2007 | 4.50618 b | 4.50618 b | 4.5061 b | 0.99998 | 4.9441 b | 0.0109213 b | 7.273E-4 b |
| BROND-3.1 | 4.47018 b | 4.47018 b | 4.4715 b | 1.00029 | 4.92797 b | 0.0107539 b | 0.00272 b |
| CENDL-3.2 | 4.46894 b | 4.46894 b | 4.4689 b | 0.99999 | 4.92388 b | 0.0104341 b | 0.00461733 b |
| IRDF-III | 4.46962 b | 4.46962 b | 4.4705 b | 1.0002 | 4.92418 b | 0.0107537 b | 0.00272 b |
| TENDL-2019 * | 4.50618 b | 4.50618 b | 4.5061 b | 0.99998 | 4.93076 b | 0.00950751 b | 6.92636E-4 b |

| | | |
|-------------------------|---|----------------|
| << 28-Ni-62 | 29-Cu-63 | 29-Cu-65 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ni63 production) | MT104 (n,d) >> |



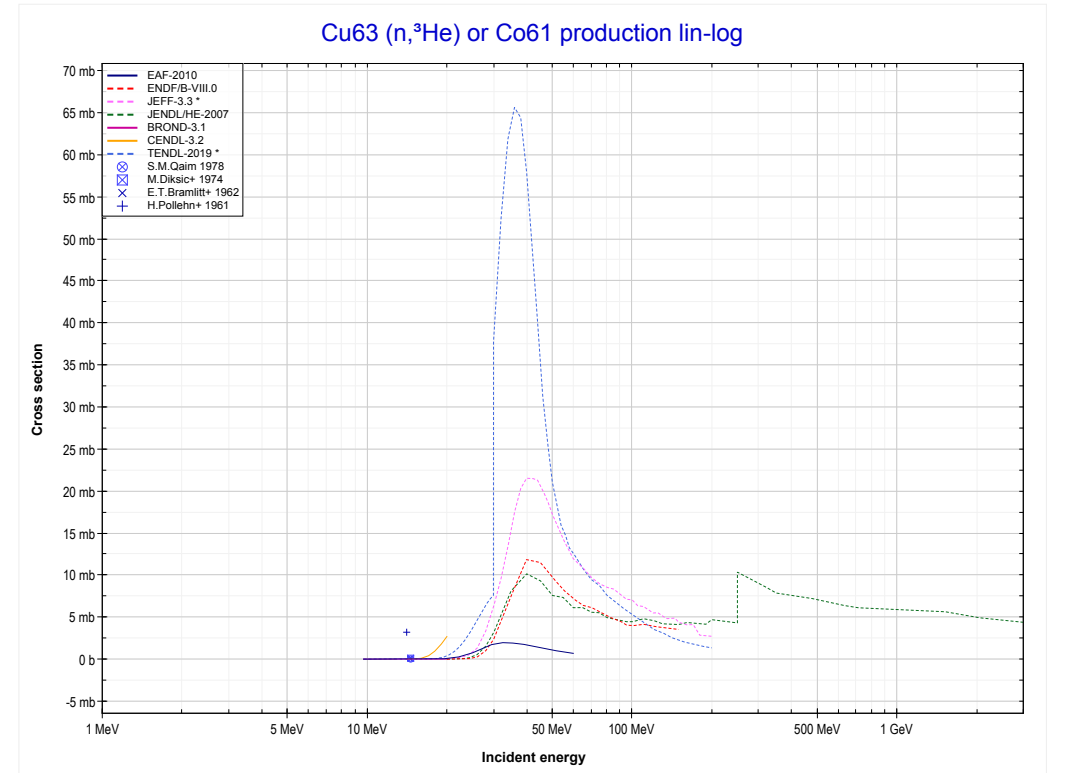
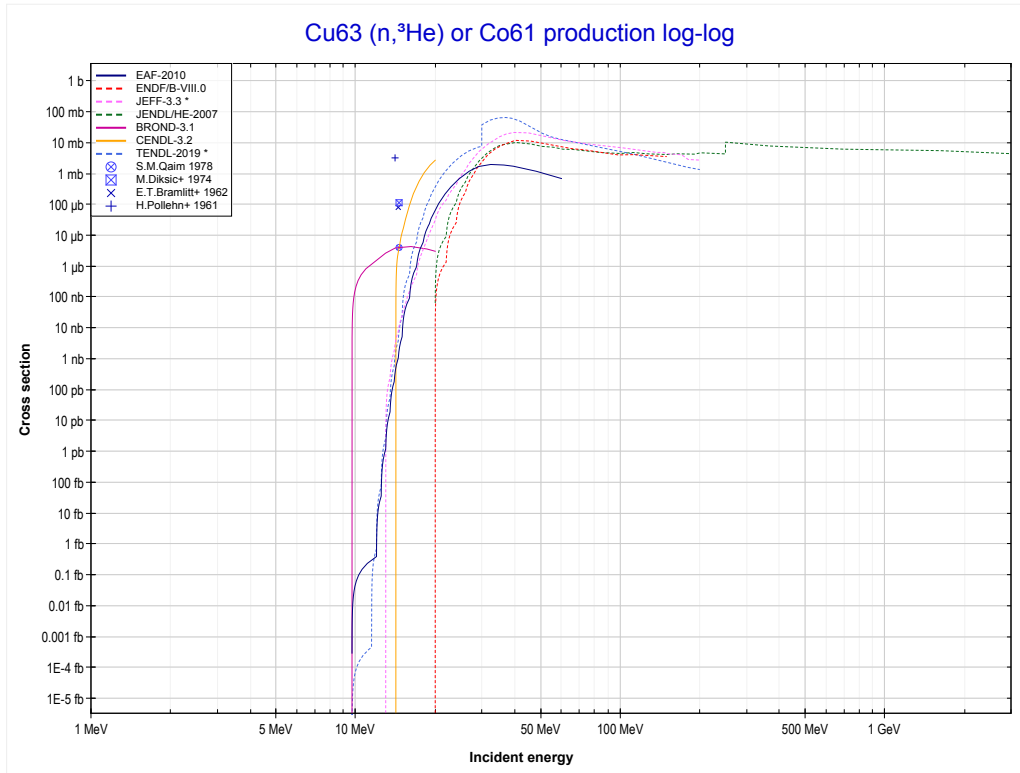
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 4.8E-5 b | 4.7964E-5 b | 4.7964E-5 b | 1.00001 | 5.28842E-5 b | 0.0221897 b | 0.05998 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.46931E-11 b | 0.0225654 b | 0.059629 b |
| JEFF-3.3 | 4.43624E-13 b | 4.43624E-13 b | 9.7828E-13 b | 2.2052 | 1.67333E-6 b | 0.0207438 b | 0.0525321 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 4.49181E-7 b | 0.0249715 b | 0.0461518 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 1.08931E-6 b | 0.0249715 b | 0.0461518 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0199397 b | 0.0461667 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0212586 b | 0.0698902 b |
| TENDL-2019 | 4.81644E-5 b | 4.81644E-5 b | 4.8117E-5 b | 0.99902 | 3.60967E-5 b | 0.0214517 b | 0.0599073 b |

| | | |
|----------------|---|-------------------------------|
| << 29-Cu-Nat | 29-Cu-63 | 29-Cu-65 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ni62 production) | MT106 (n, ³ He) >> |



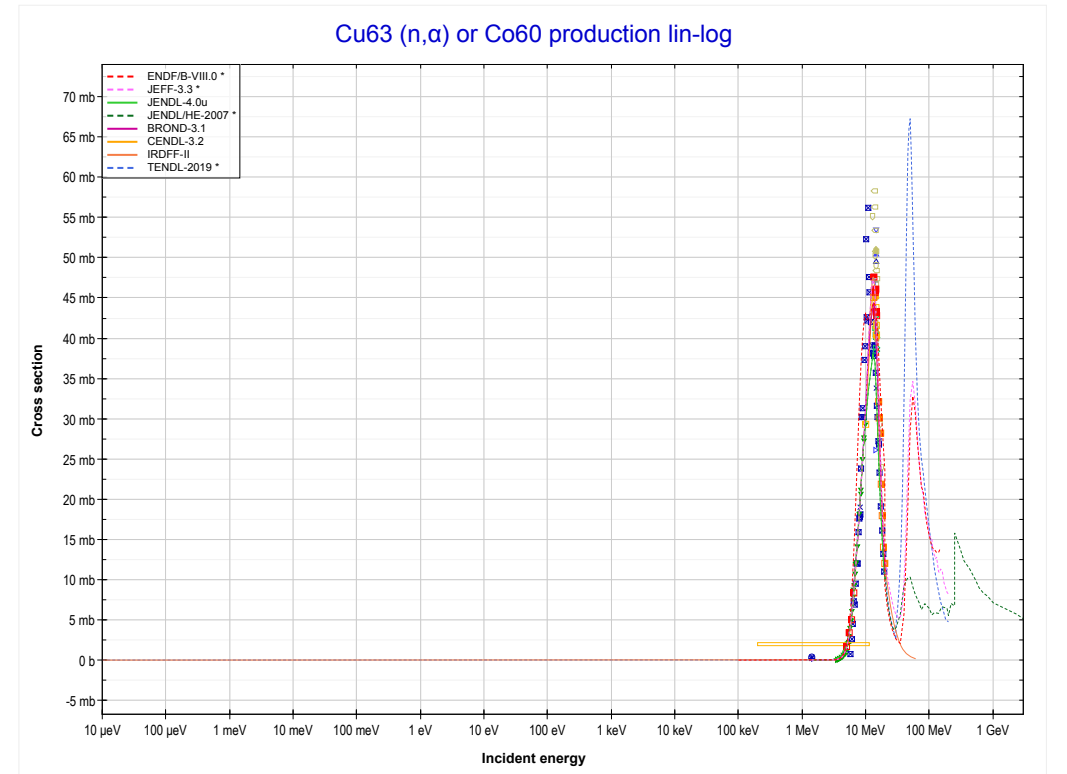
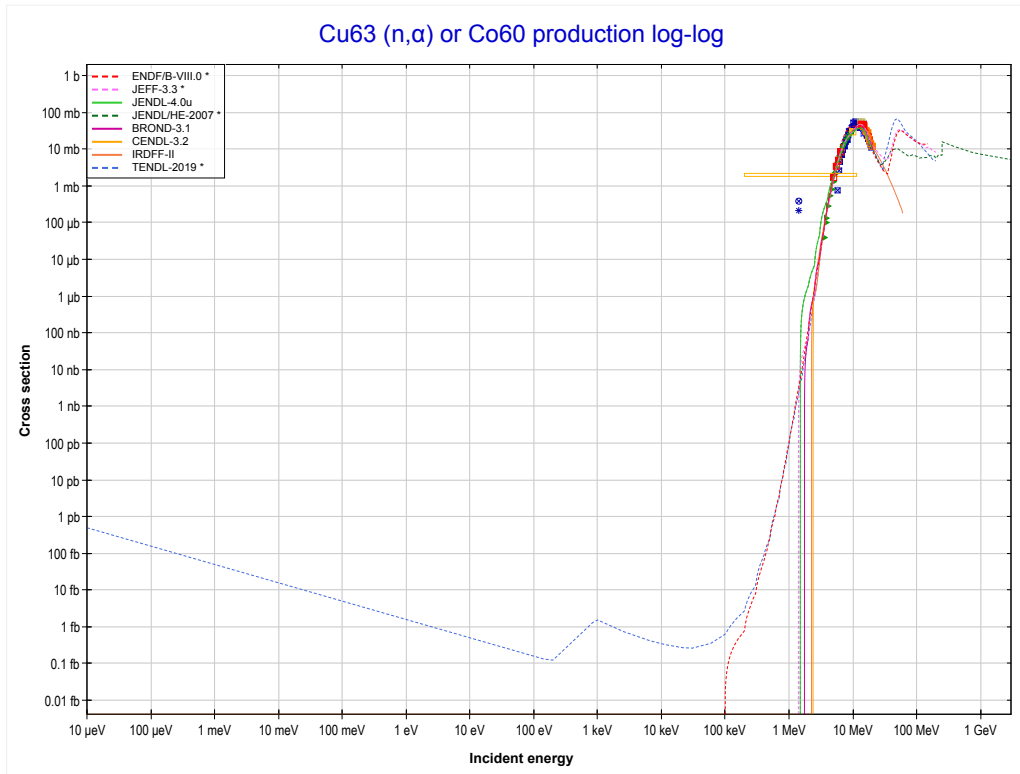
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06492E-5 b | 0.0075025 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.02618E-6 b | 0.00707949 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.73008E-5 b | 0.0352395 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.06132E-5 b | 0.0075025 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06132E-5 b | 0.0075025 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.53648E-4 b | 0.00961429 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.57662E-5 b | 0.00705837 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35709E-5 b | 0.0118602 b |

| | | |
|----------------|--|-------------------------|
| << 27-Co-59 | 29-Cu-63 | 30-Zn-67 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Co61 production) | MT107 (n, α) >> |



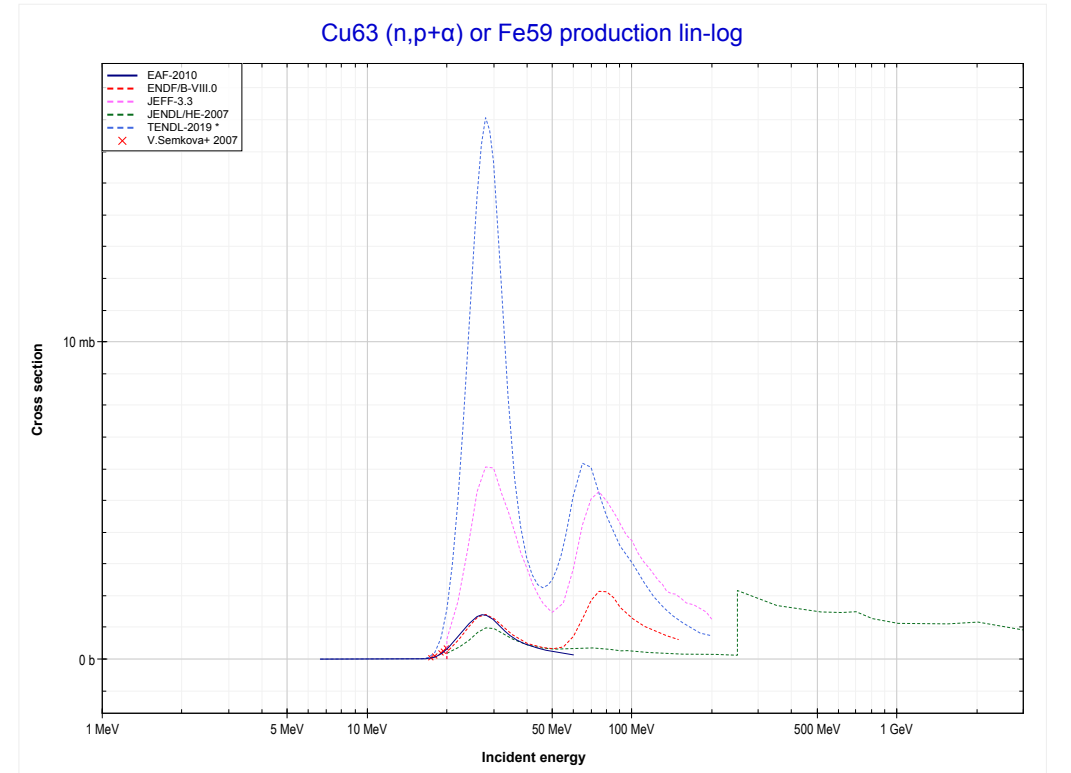
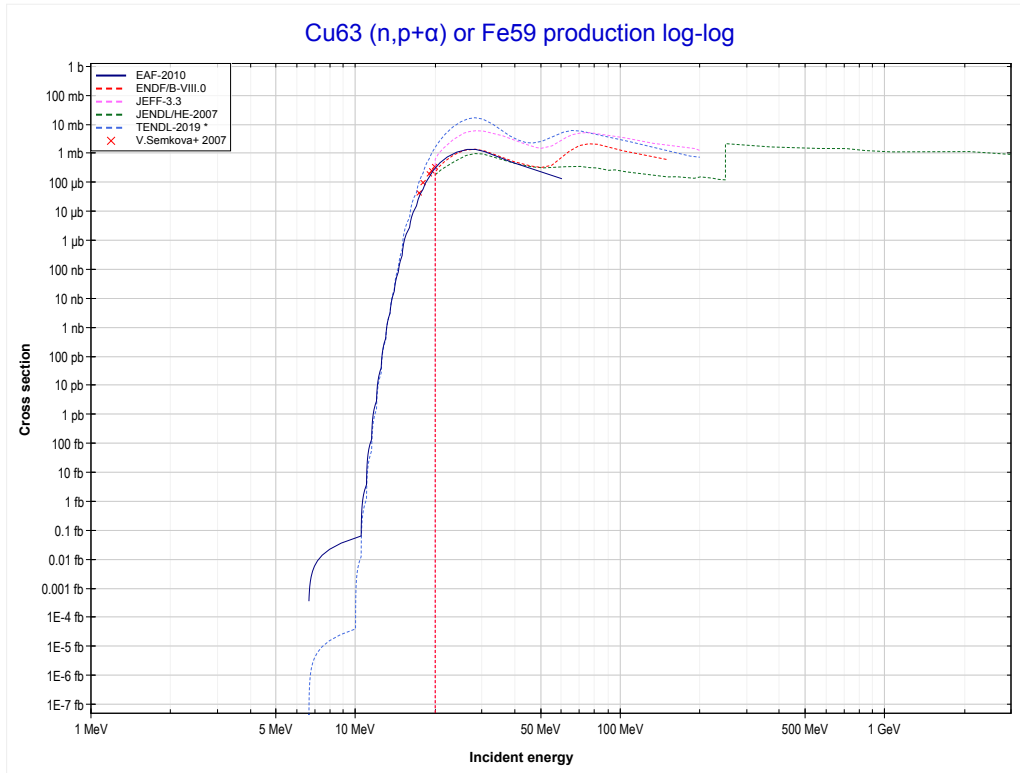
| Reaction | Q-Value |
|------------------|---------------|
| Cu63(n,He3)Co61 | -9541.60 keV |
| Cu63(n,p+d)Co61 | -15035.08 keV |
| Cu63(n,n+2p)Co61 | -17259.64 keV |

| | | |
|-------------------------------|---|---------------------------|
| << 28-Ni-64 | 29-Cu-63 | 29-Cu-65 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Co60 production) | MT112 (n,p+ α) >> |



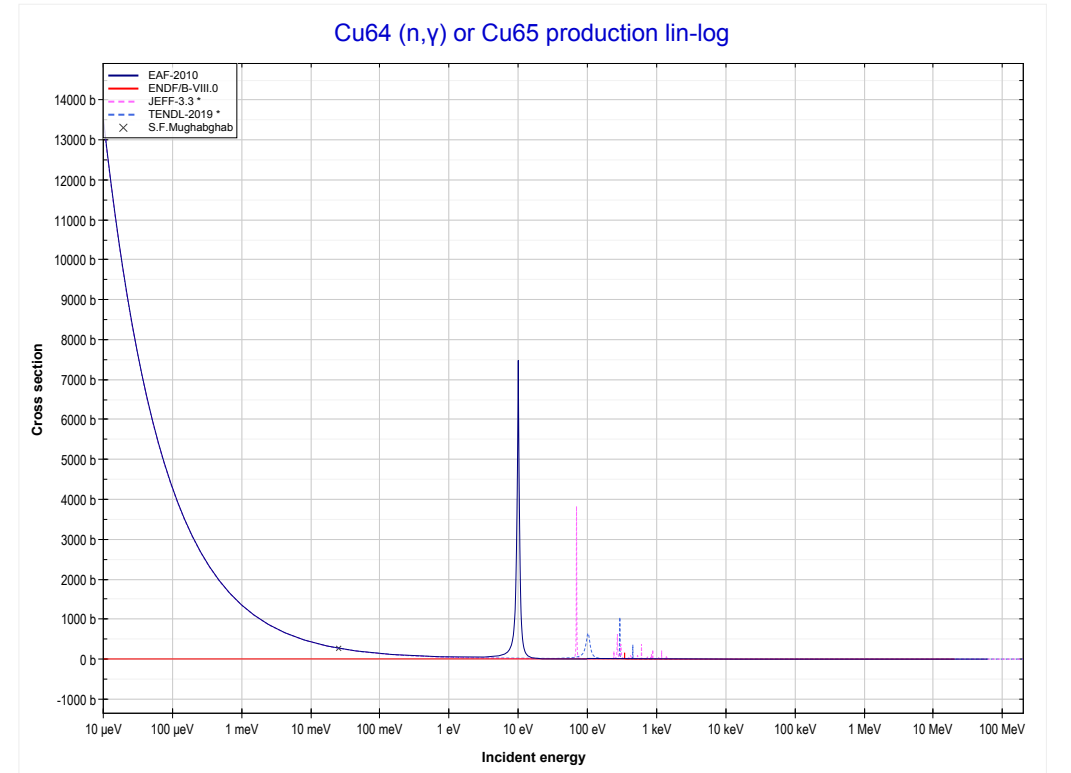
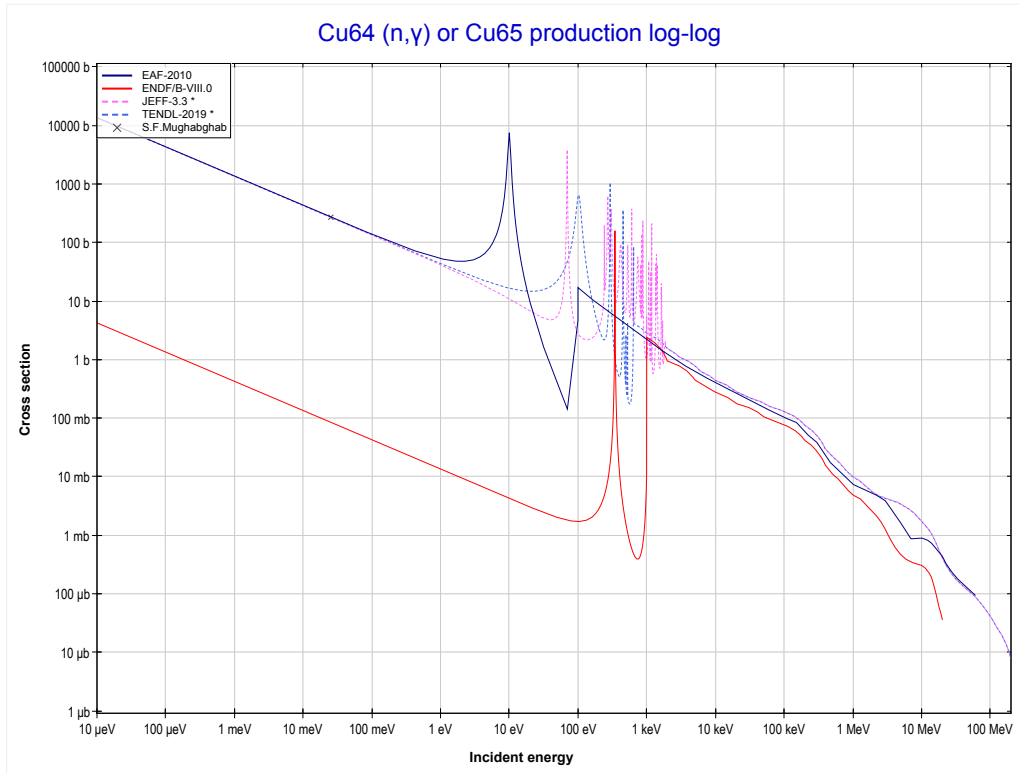
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.13687E-23 b | 8.79892E-4 b | 0.0441364 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.96297E-4 b | 0.0455716 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.26585E-4 b | 0.037 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.26585E-4 b | 0.037 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.99785E-4 b | 0.043088 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.7728E-4 b | 0.0438919 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 6.12769E-4 b | 0.0458794 b |
| TENDL-2019 | 9.8632E-15 b | 9.8632E-15 b | 9.8535E-15 b | 0.99901 | 7.66595E-15 b | 6.13421E-4 b | 0.0458794 b |

| | | |
|-------------------------|---|----------------------------------|
| << 28-Ni-58 | 29-Cu-63 | 43-Tc-99 >> |
| << MT107 (n, α) | MT112 (n,p+α) or MT5 (Fe59 production) | 29-Cu-64 MT102 (n, γ) >> |



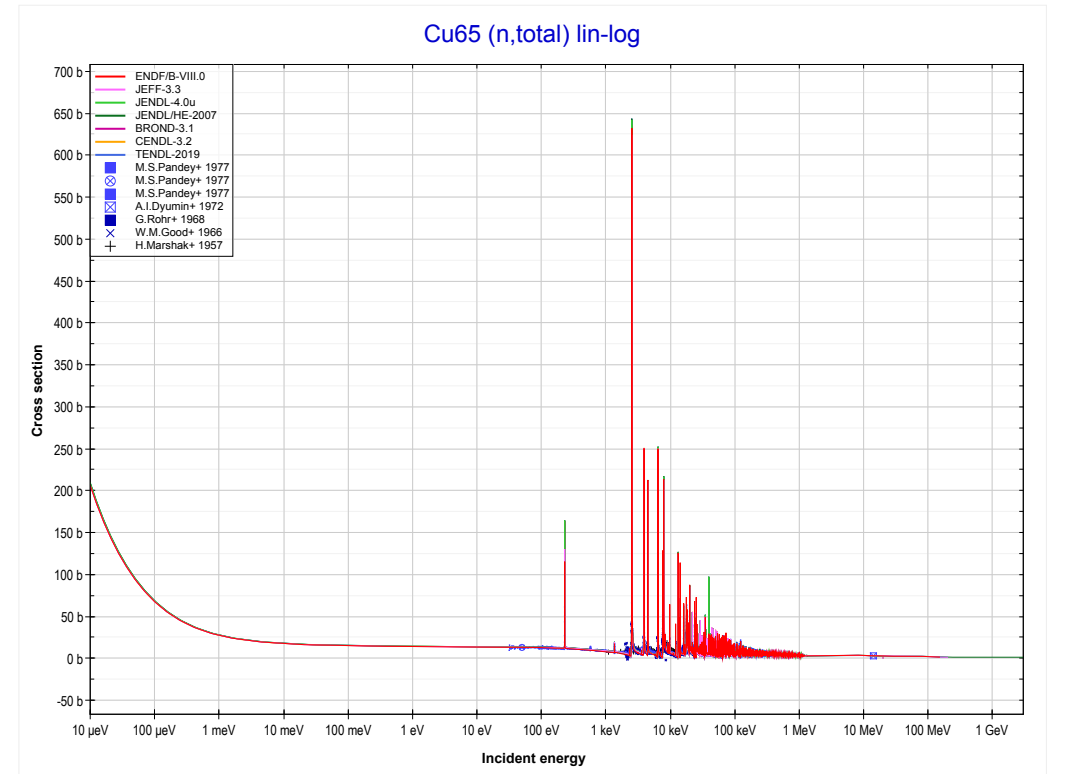
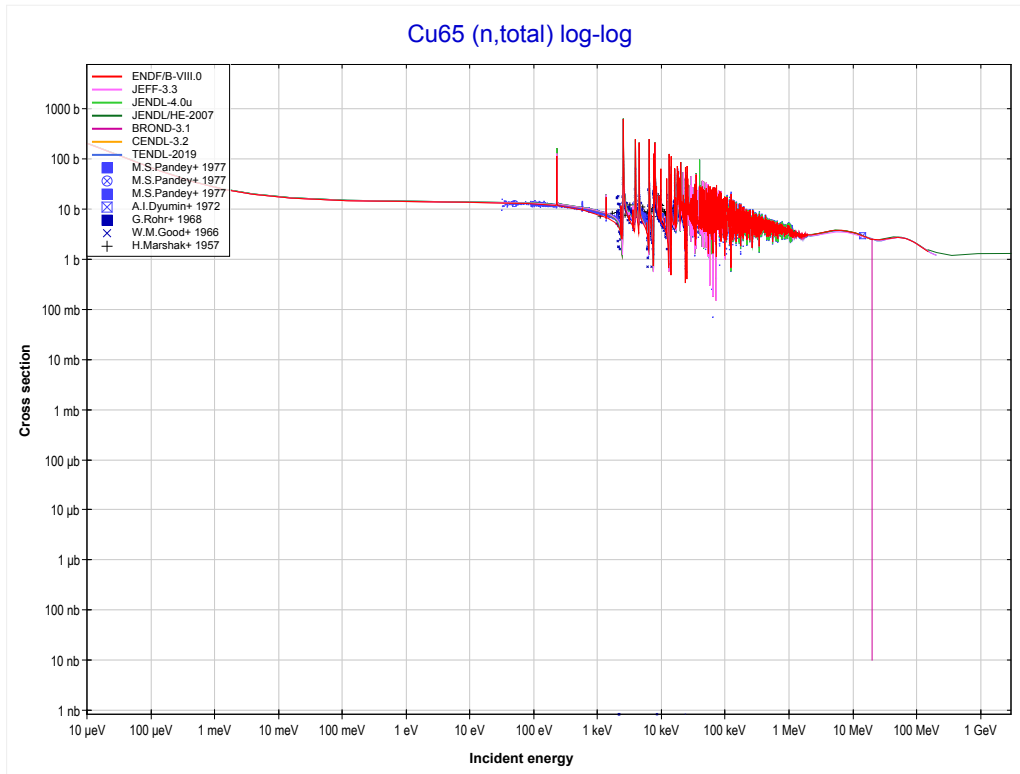
| Reaction | Q-Value |
|--------------------------|---------------|
| Cu63(n,p+ α)Fe59 | -6557.57 keV |
| Cu63(n,d+He3)Fe59 | -24910.62 keV |
| Cu63(n,2p+t)Fe59 | -26371.43 keV |
| Cu63(n,n+p+He3)Fe59 | -27135.19 keV |
| Cu63(n,p+2d)Fe59 | -30404.10 keV |
| Cu63(n,n+2p+d)Fe59 | -32628.66 keV |
| Cu63(n,2n+3p)Fe59 | -34853.23 keV |

| | | |
|---------------------------|---|---------------------------|
| << 29-Cu-63 | 29-Cu-64 | 29-Cu-65 >> |
| << 29-Cu-63 MT112 (n,p+α) | MT102 (n,γ) or MT5 (Cu65 production) | 29-Cu-65 MT1 (n,total) >> |



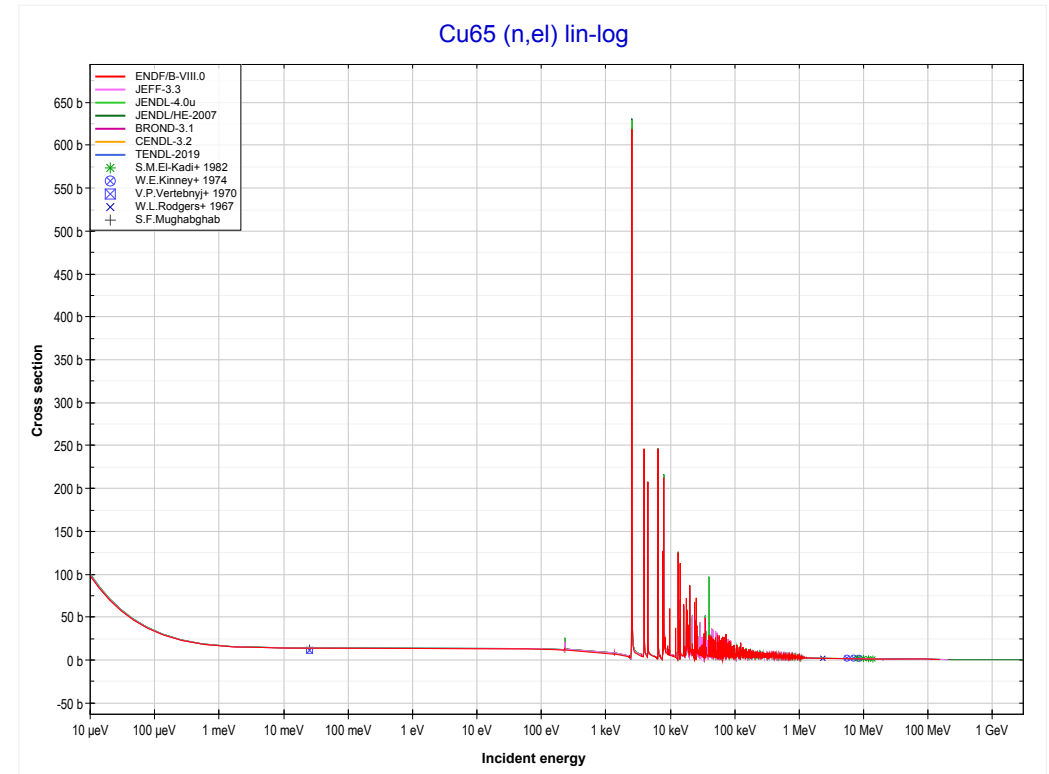
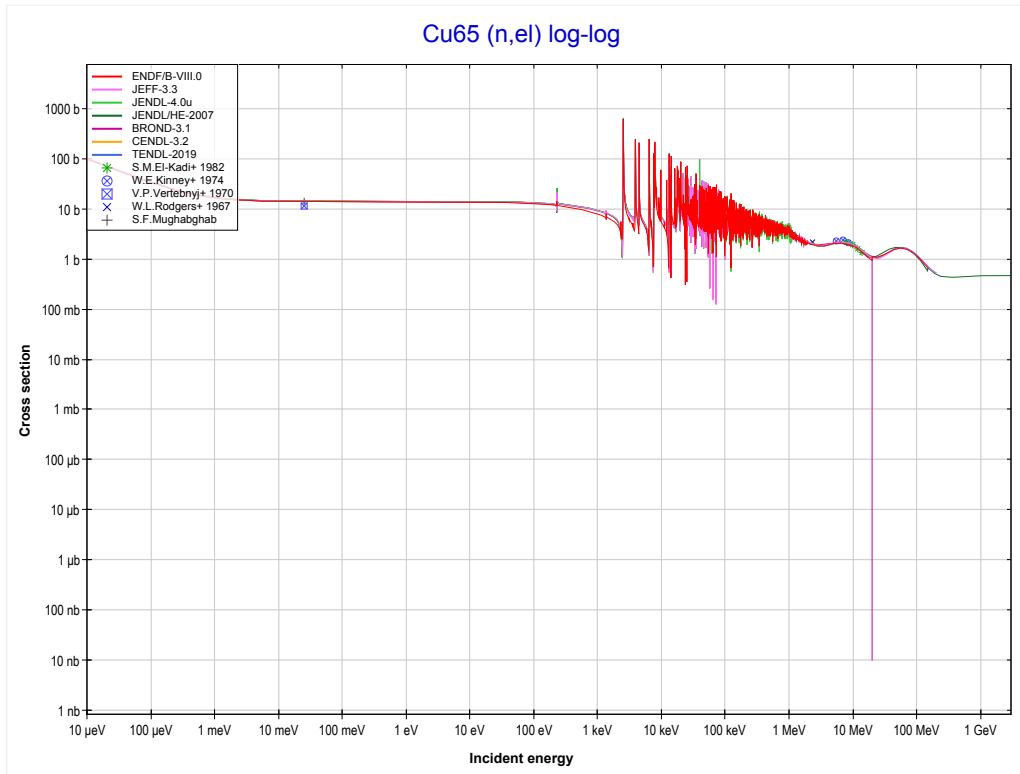
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 271.056 b | 270.854 b | 271.67 b | 1.00301 | 1084.53 b | 0.0124914 b | 7.3E-4 b |
| ENDF/B-VIII.0 | 0.0843167 b | 0.0843167 b | 0.084338 b | 1.00026 | 3.51325 b | 0.0082093 b | 1.87097E-4 b |
| JEFF-3.3 | 268.775 b | 268.775 b | 268.77 b | 0.99997 | 261.687 b | 0.0160533 b | 0.00106138 b |
| TENDL-2019 | 268.599 b | 268.599 b | 268.68 b | 1.00029 | 304.224 b | 0.0157823 b | 0.00105759 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << 29-Cu-64 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



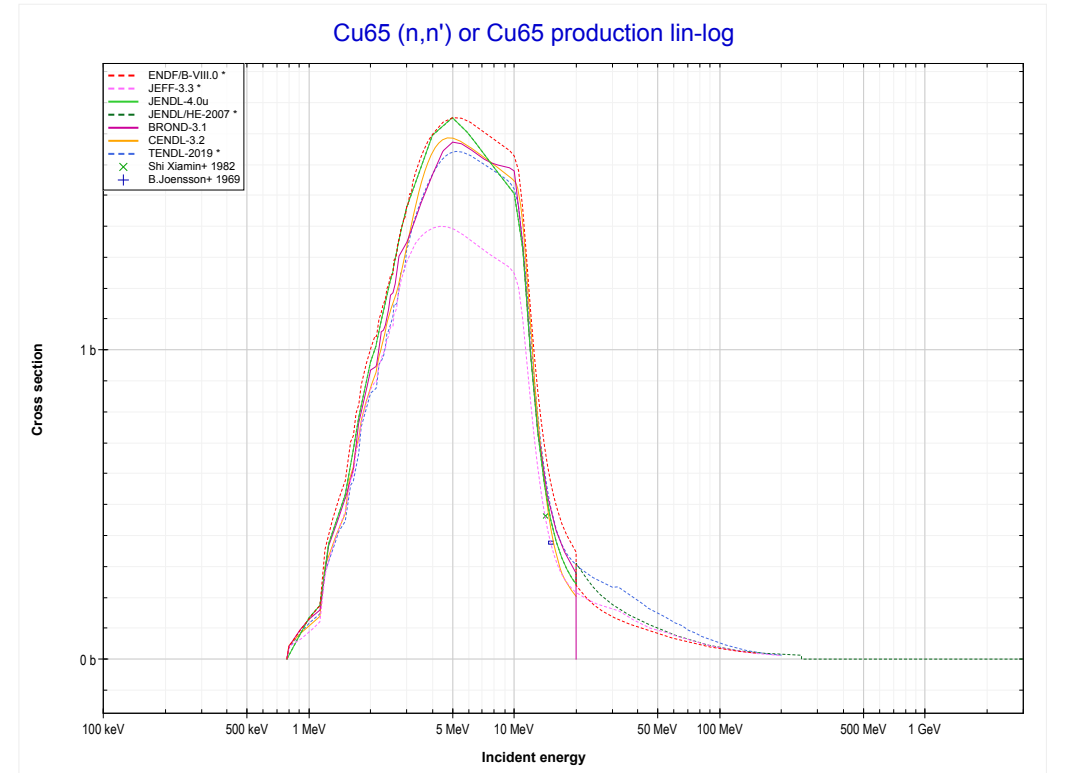
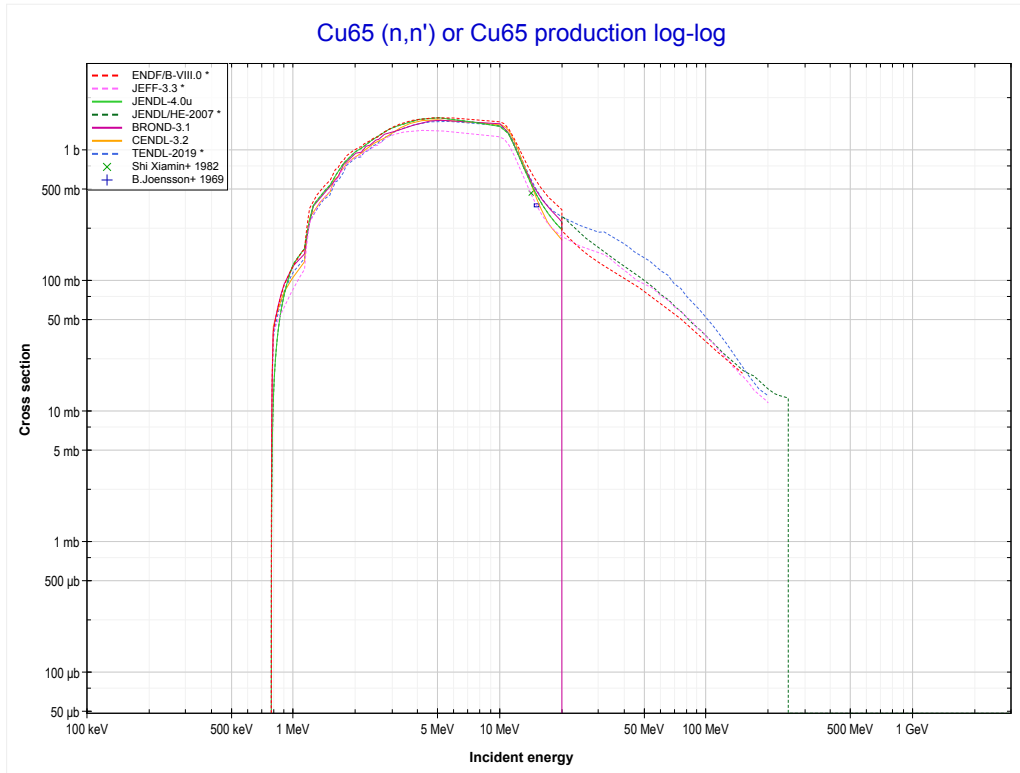
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 16.0416 b | 16.0416 b | 17.825 b | 1.11118 | 149.107 b | 3.74633 b | 2.9588 b |
| JEFF-3.3 | 16.1473 b | 16.1473 b | 17.947 b | 1.11146 | 151.799 b | 3.65954 b | 2.90361 b |
| JENDL-4.0u | 16.3513 b | 16.3513 b | 18.172 b | 1.11136 | 155.135 b | 3.77187 b | 2.9481 b |
| JENDL/HE-2007 | 16.3507 b | 16.3507 b | 18.172 b | 1.11138 | 155.249 b | 3.70589 b | 2.9481 b |
| BROND-3.1 | 16.0414 b | 16.0414 b | 17.825 b | 1.11119 | 152.414 b | 3.74105 b | 2.9588 b |
| CENDL-3.2 | 16.0408 b | 16.0408 b | 17.825 b | 1.11121 | 152.447 b | 3.50421 b | 2.96173 b |
| TENDL-2019 | 16.3507 b | 16.3507 b | 18.172 b | 1.11138 | 154.108 b | 3.64645 b | 3.01374 b |

| | | |
|------------------|------------------------|---------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



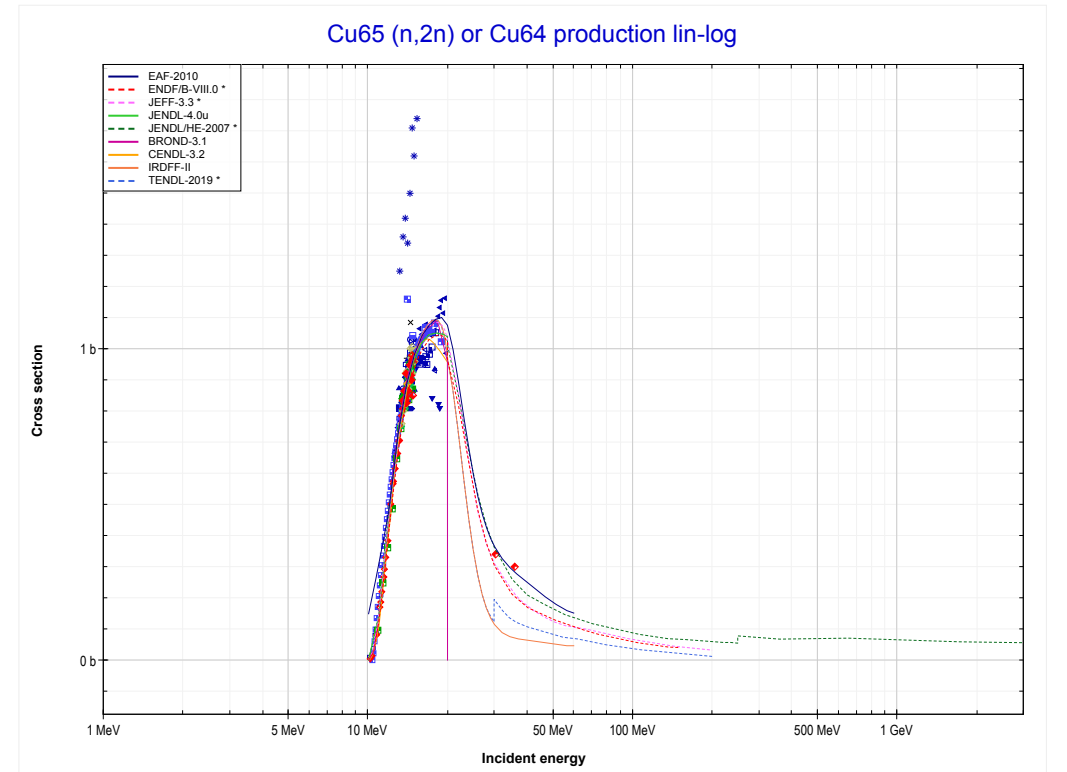
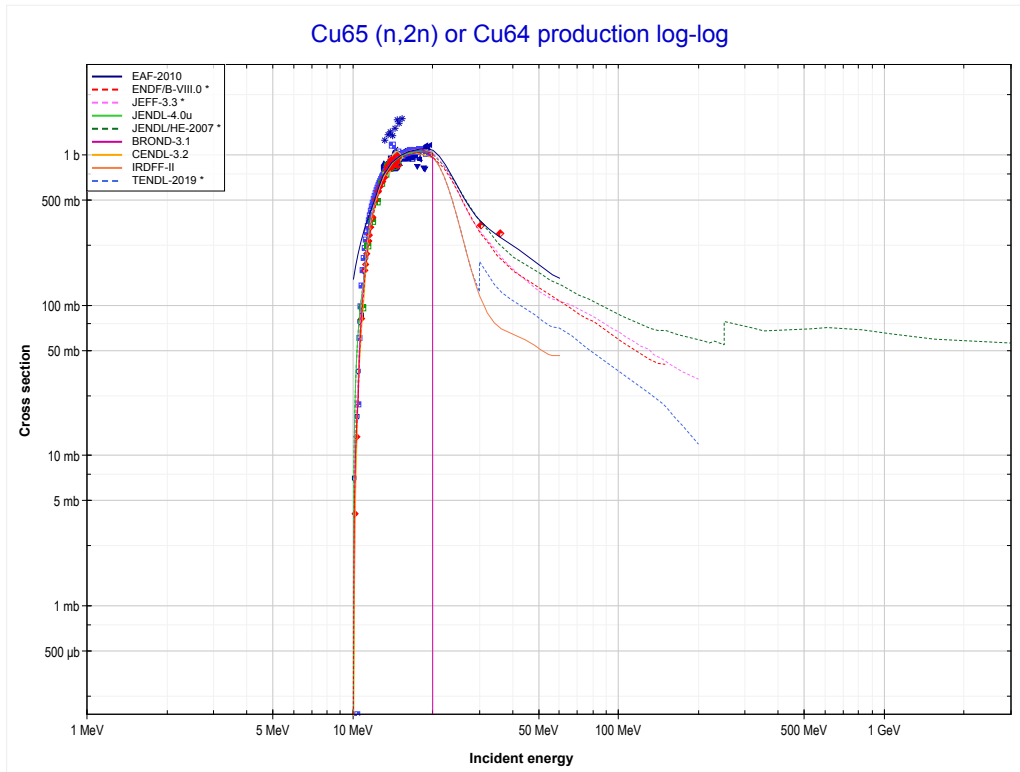
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 13.8923 b | 13.8923 b | 15.675 b | 1.12833 | 147.11 b | 2.99073 b | 1.35242 b |
| JEFF-3.3 | 14.0184 b | 14.0184 b | 15.818 b | 1.12834 | 149.824 b | 3.02702 b | 1.4779 b |
| JENDL-4.0u | 14.1824 b | 14.1824 b | 16.003 b | 1.12834 | 152.948 b | 3.03731 b | 1.45393 b |
| JENDL/HE-2007 | 14.1824 b | 14.1824 b | 16.003 b | 1.1284 | 153.049 b | 2.97152 b | 1.45393 b |
| BROND-3.1 | 13.8923 b | 13.8923 b | 15.675 b | 1.12834 | 150.235 b | 3.04197 b | 1.40274 b |
| CENDL-3.2 | 13.8923 b | 13.8923 b | 15.676 b | 1.1284 | 150.259 b | 2.8126 b | 1.45463 b |
| TENDL-2019 | 14.1824 b | 14.1824 b | 16.003 b | 1.1284 | 151.907 b | 2.97734 b | 1.46333 b |

| | | |
|--------------------|--|----------------|
| << 29-Cu-63 | 29-Cu-65 | 32-Ge-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cu65 production) | MT16 (n,2n) >> |



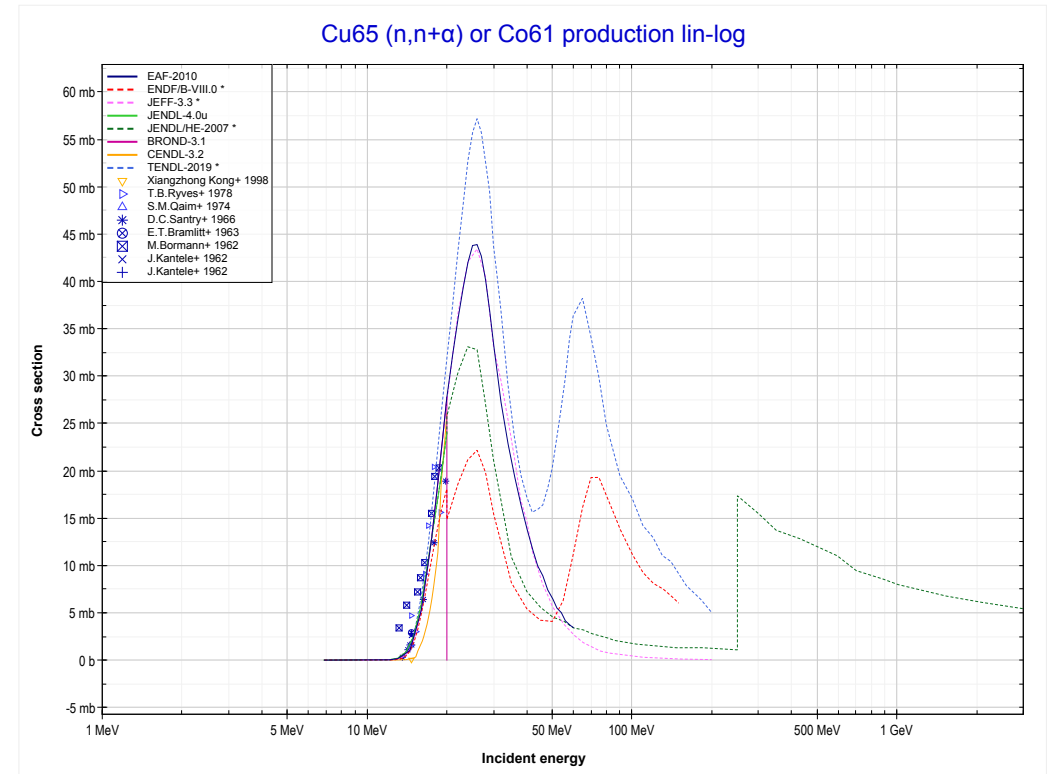
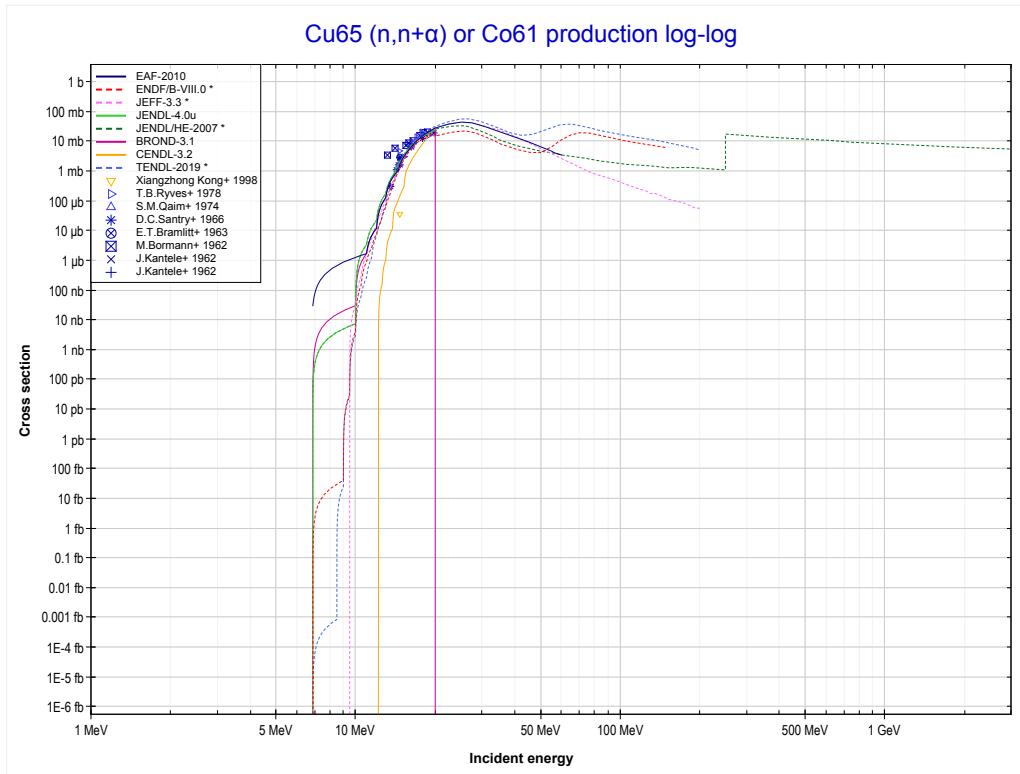
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.748114 b | 0.693313 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.62419 b | 0.475359 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.726583 b | 0.567735 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.72665 b | 0.567735 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.690719 b | 0.599293 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.683962 b | 0.579507 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.662149 b | 0.612892 b |

| | | |
|---------------|---|-----------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Cu64 production) | MT22 (n,n+α) >> |



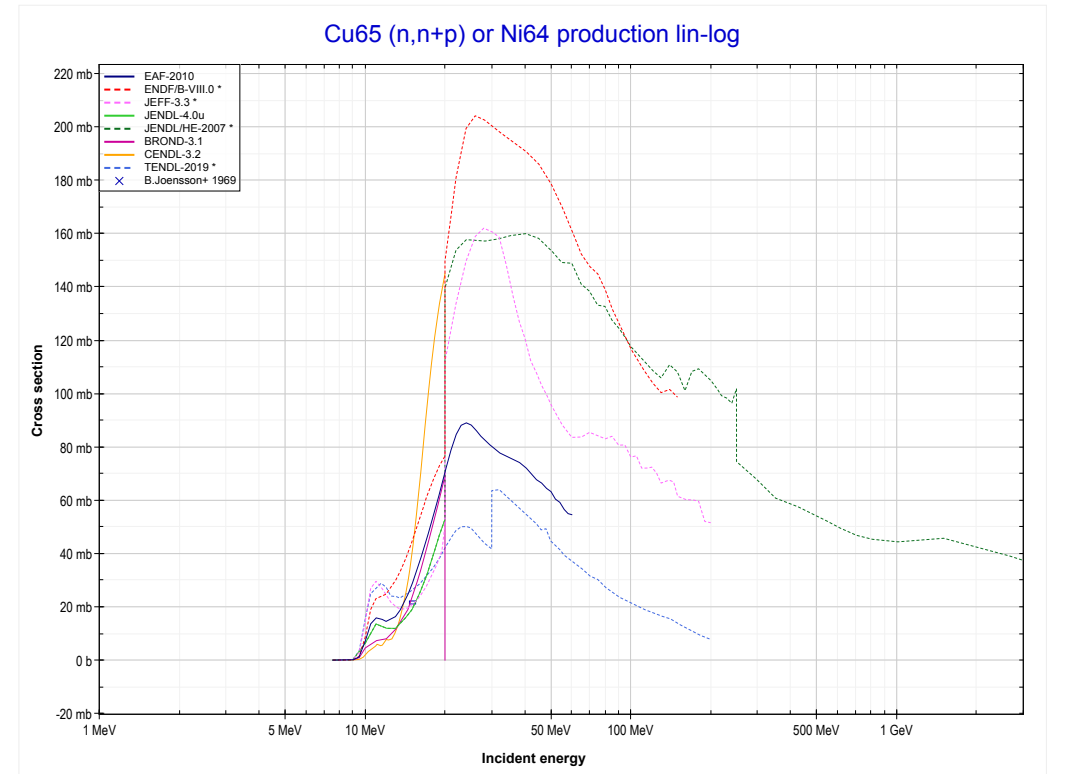
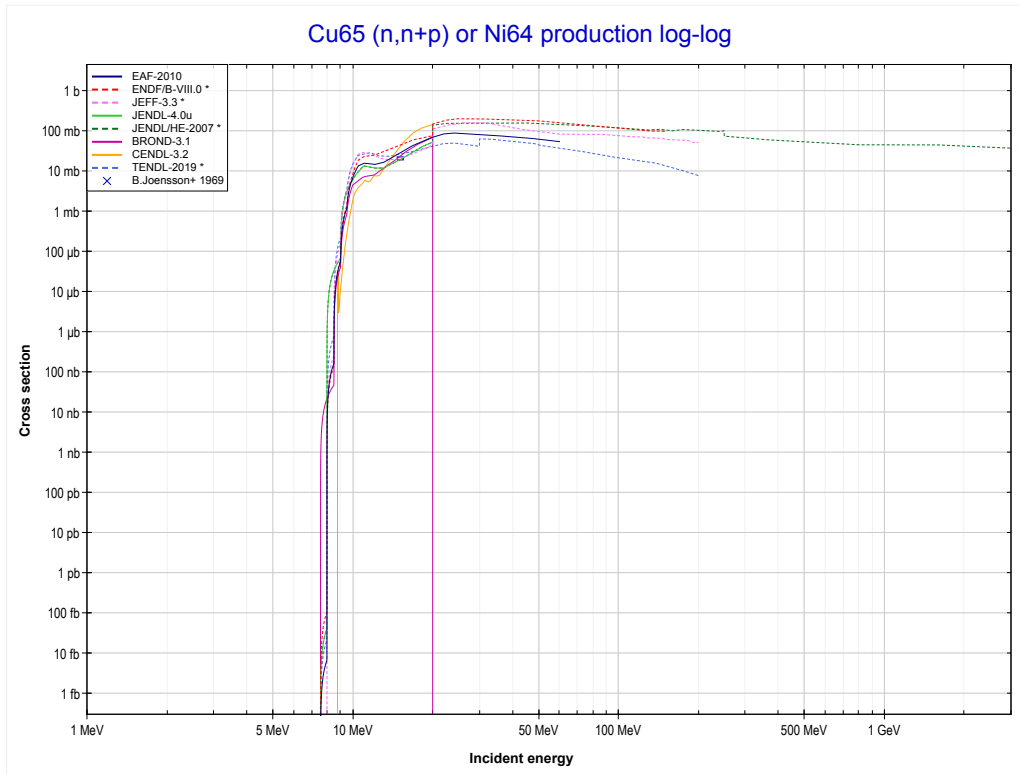
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.21326E-4 b | 0.8845 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90793E-4 b | 0.836614 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38804E-4 b | 0.875437 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.57041E-4 b | 0.872984 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.57041E-4 b | 0.872984 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.40988E-4 b | 0.89531 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.91305E-4 b | 0.862888 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 5.21549E-4 b | 0.875816 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.25439E-4 b | 0.876681 b |

| | | |
|----------------|--|-----------------|
| << 28-Ni-58 | 29-Cu-65 | 30-Zn-70 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Co61 production) | MT28 (n,n+p) >> |



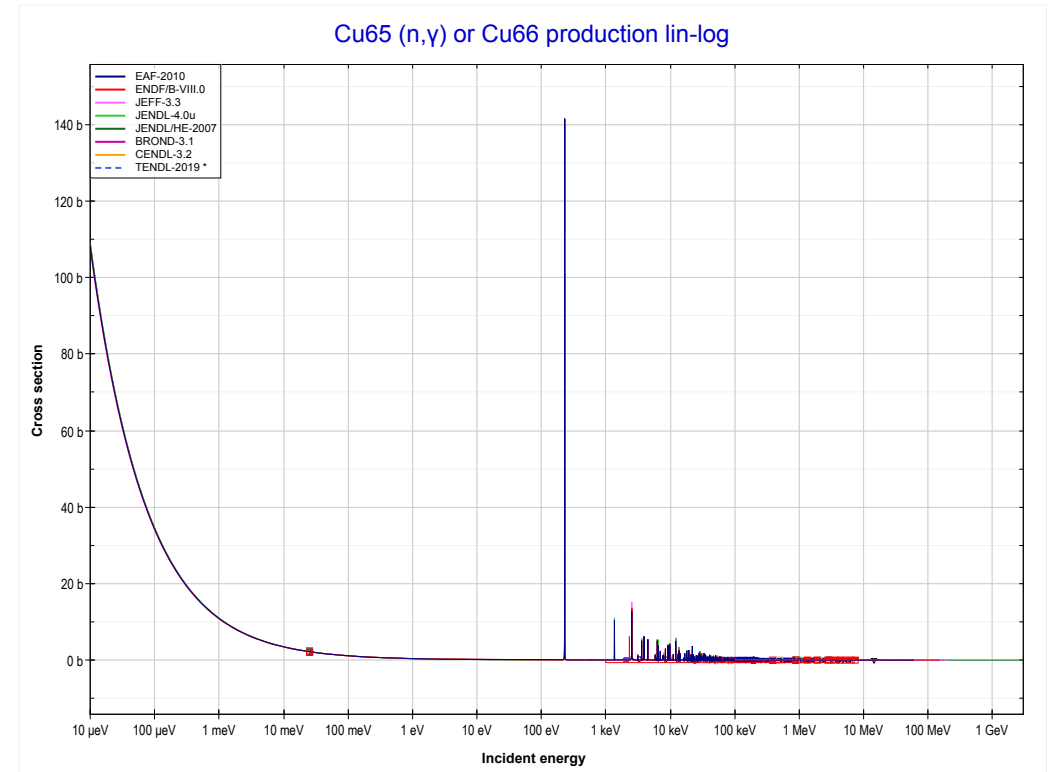
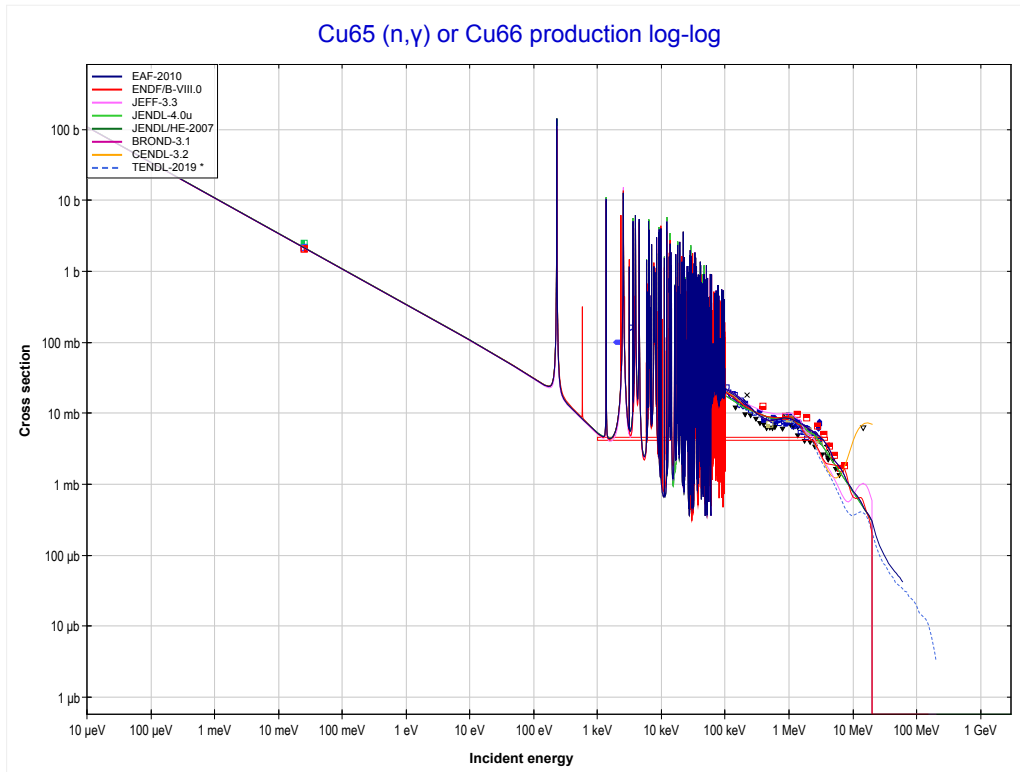
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.25498E-7 b | 4.04743E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.21763E-7 b | 5.30266E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.05865E-7 b | 8.20376E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.05859E-7 b | 8.20376E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.56297E-7 b | 7.22443E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94059E-7 b | 4.74864E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.19276E-7 b | 5.07025E-4 b |

| | | |
|-----------------|--|----------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Ni64 production) | MT102 (n,γ) >> |



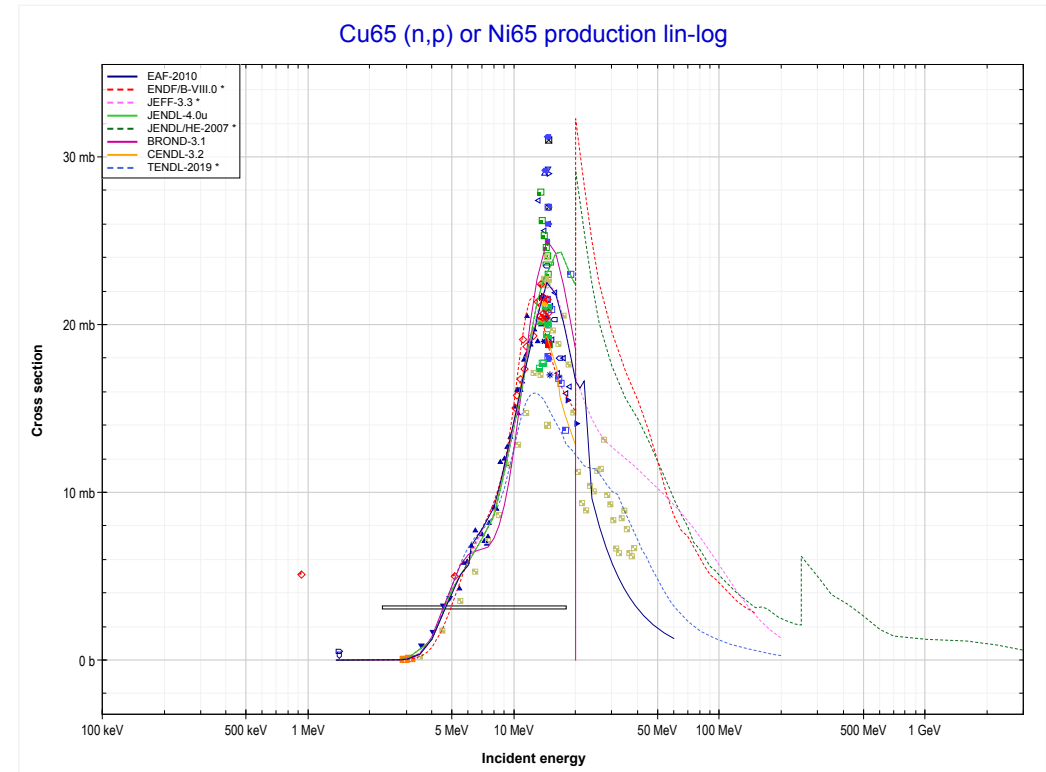
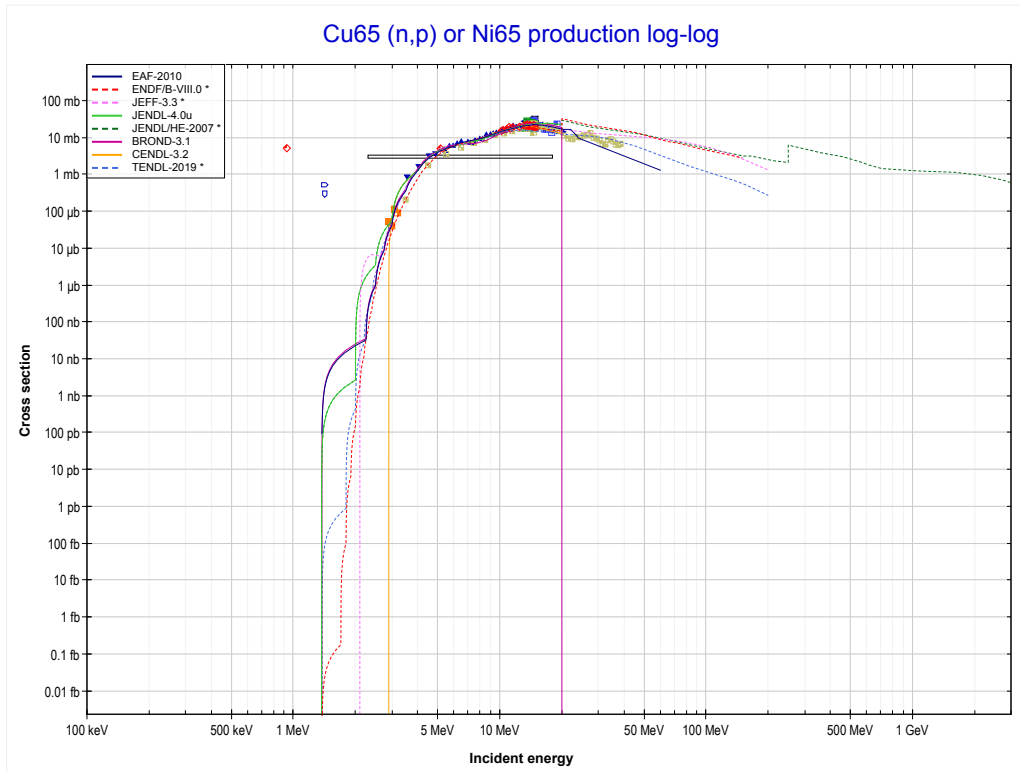
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90096E-5 b | 0.0363328 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.58382E-5 b | 0.0191256 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.85408E-5 b | 0.015125 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85407E-5 b | 0.015125 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92013E-5 b | 0.0164057 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69104E-5 b | 0.021856 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.77844E-5 b | 0.0241144 b |

| | | |
|-----------------|---|----------------|
| << 29-Cu-64 | 29-Cu-65 | 29-Cu-66 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cu66 production) | MT103 (n,p) >> |



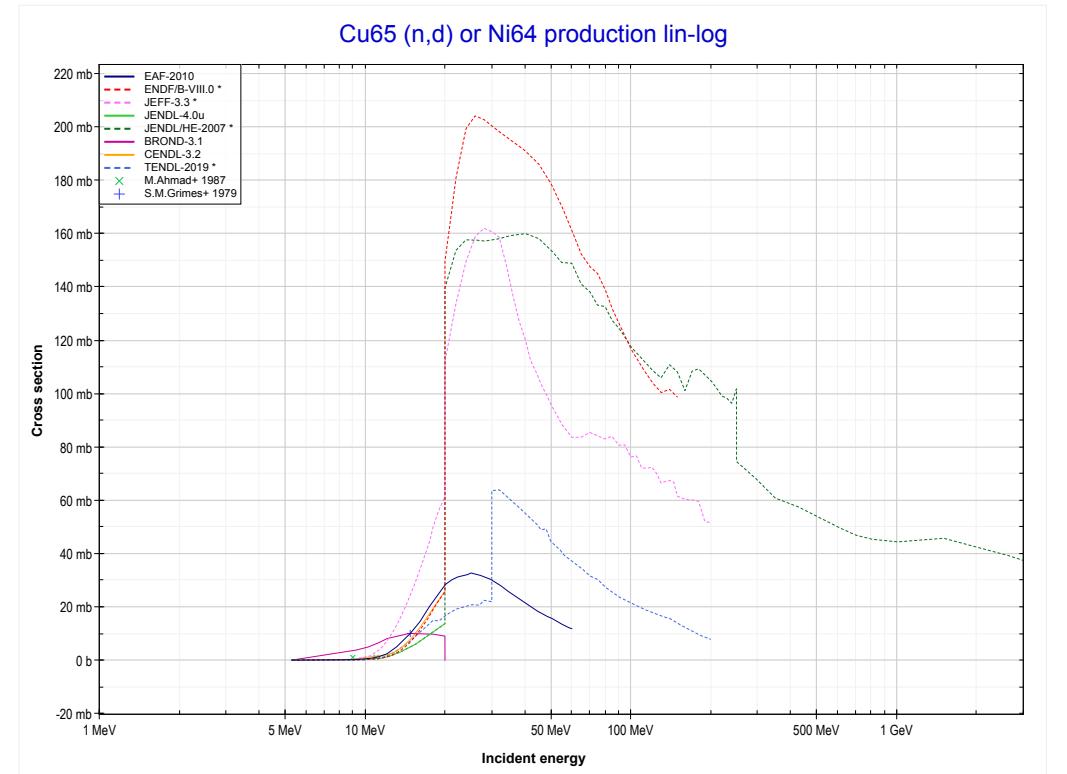
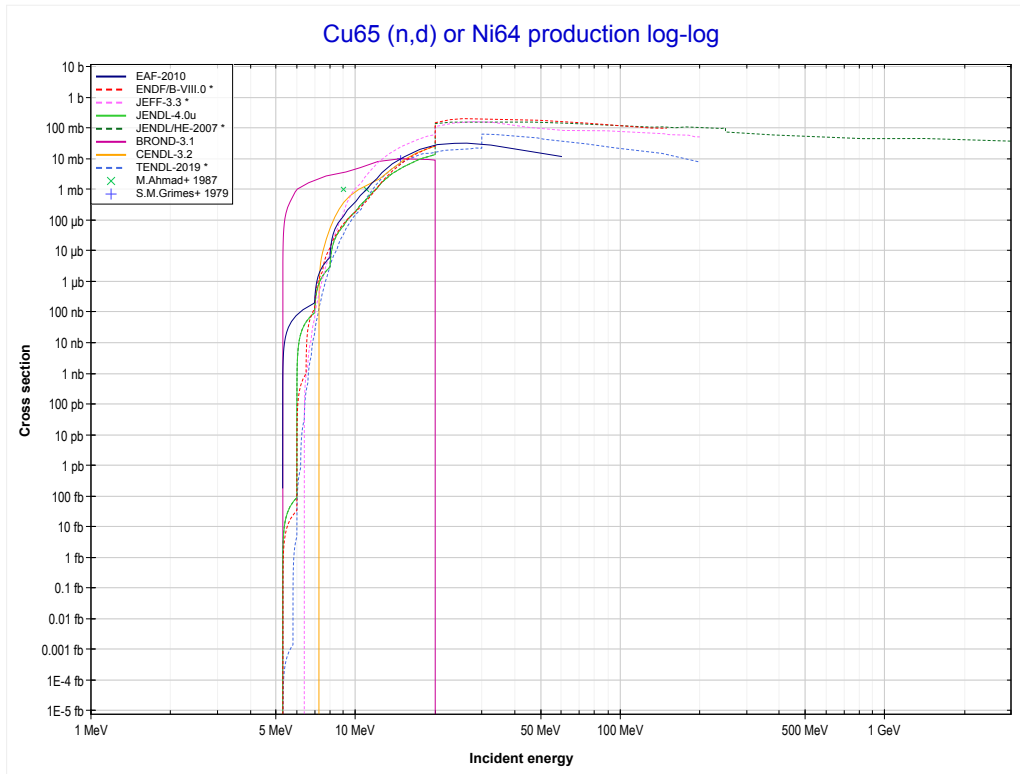
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.15059 b | 2.14898 b | 2.1486 b | 0.99981 | 2.17696 b | 0.00710314 b | 5.20002E-4 b |
| ENDF/B-VIII.0 | 2.14927 b | 2.14927 b | 2.15 b | 1.00035 | 1.9966 b | 0.00634822 b | 6.19938E-4 b |
| JEFF-3.3 | 2.12889 b | 2.12889 b | 2.1296 b | 1.00035 | 1.97482 b | 0.00708507 b | 0.00101405 b |
| JENDL-4.0u | 2.16893 b | 2.16893 b | 2.1697 b | 1.00035 | 2.18679 b | 0.00675926 b | 5E-4 b |
| JENDL/HE-2007 | 2.16828 b | 2.16828 b | 2.1684 b | 1.00004 | 2.18481 b | 0.0067607 b | 5E-4 b |
| BROND-3.1 | 2.14909 b | 2.14909 b | 2.1498 b | 1.00034 | 2.17876 b | 0.00710295 b | 5.2E-4 b |
| CENDL-3.2 | 2.1485 b | 2.1485 b | 2.1486 b | 1.00004 | 2.17674 b | 0.00659903 b | 0.00686504 b |
| TENDL-2019 | 2.16828 b | 2.16828 b | 2.1684 b | 1.00004 | 2.18512 b | 0.0058439 b | 4.04083E-4 b |

| | | |
|-------------------------|---|----------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ni65 production) | MT104 (n,d) >> |



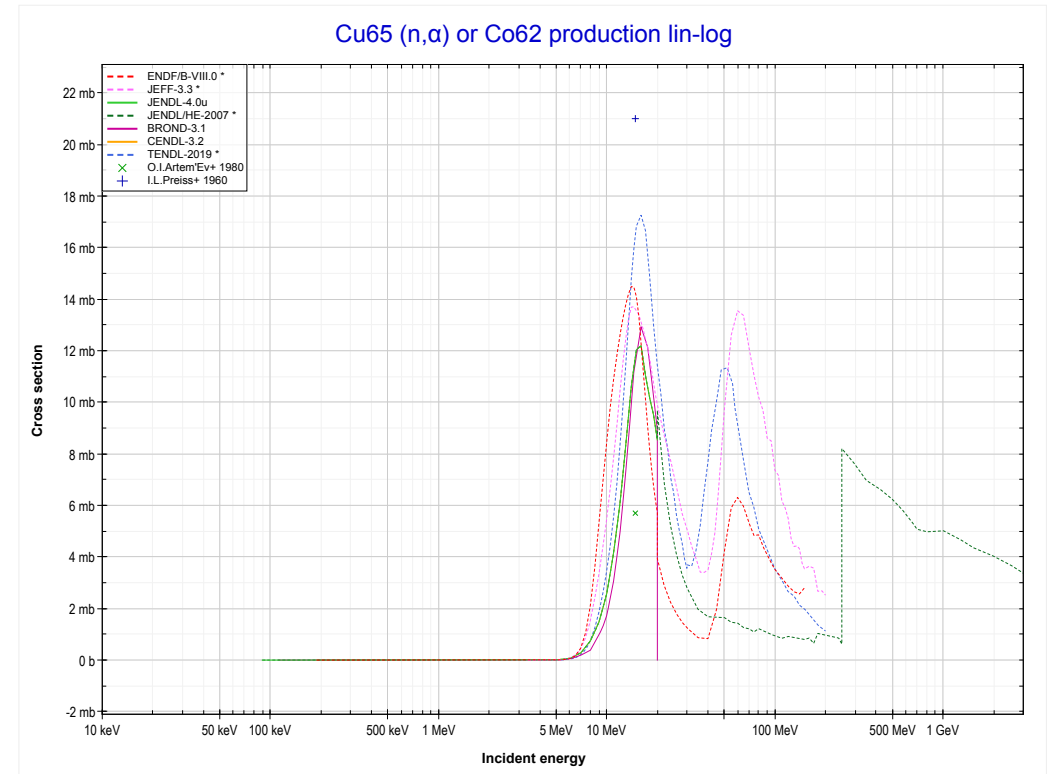
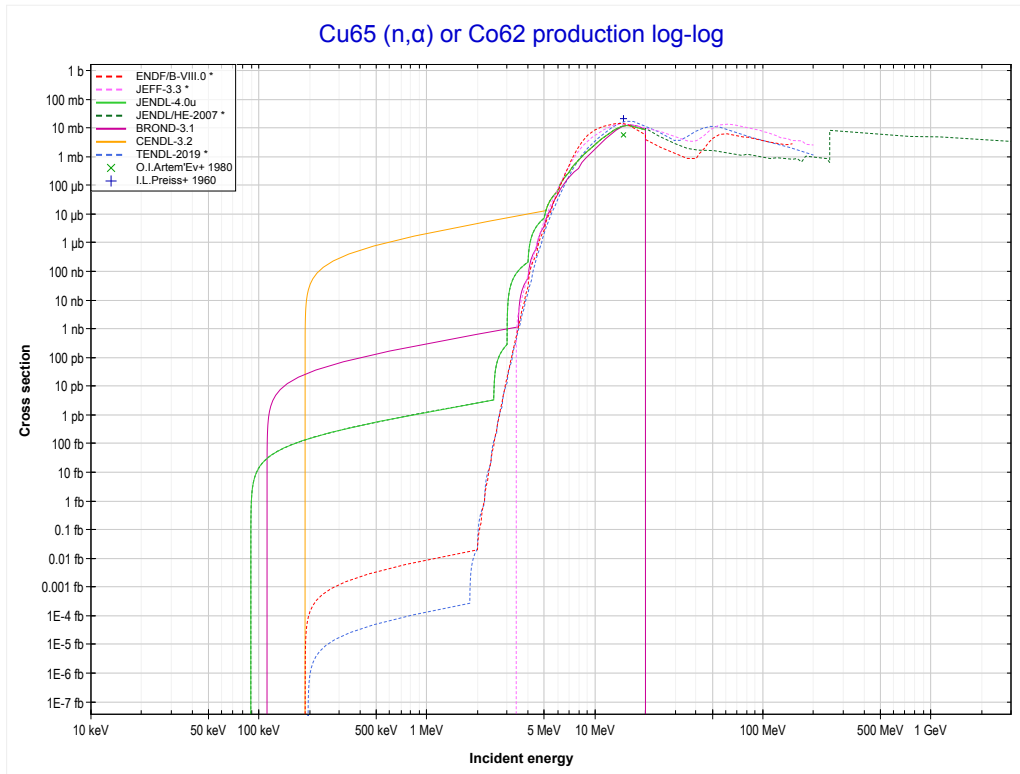
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.94513E-4 b | 0.0218221 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.28083E-4 b | 0.0199144 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.90676E-4 b | 0.0218717 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.0186E-4 b | 0.0227368 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.0186E-4 b | 0.0227368 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.98869E-4 b | 0.0242603 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00725E-4 b | 0.0199456 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.20239E-4 b | 0.0155309 b |

| | | |
|----------------|---|-------------------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-67 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ni64 production) | MT107 (n, α) >> |



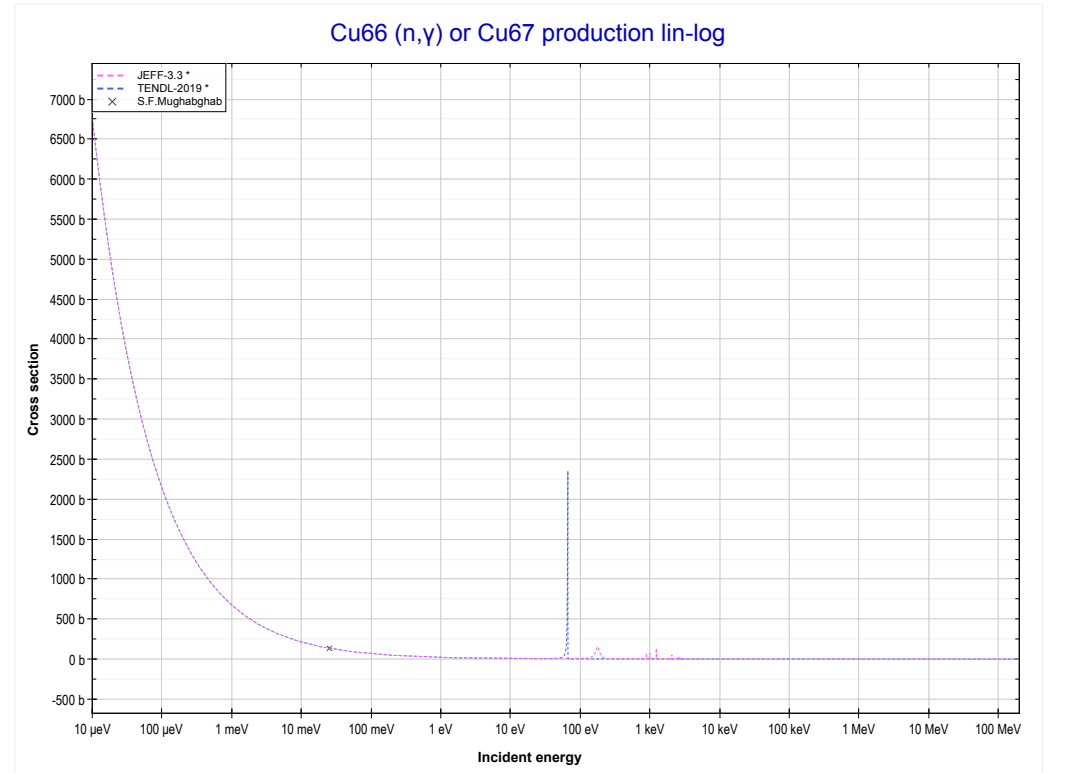
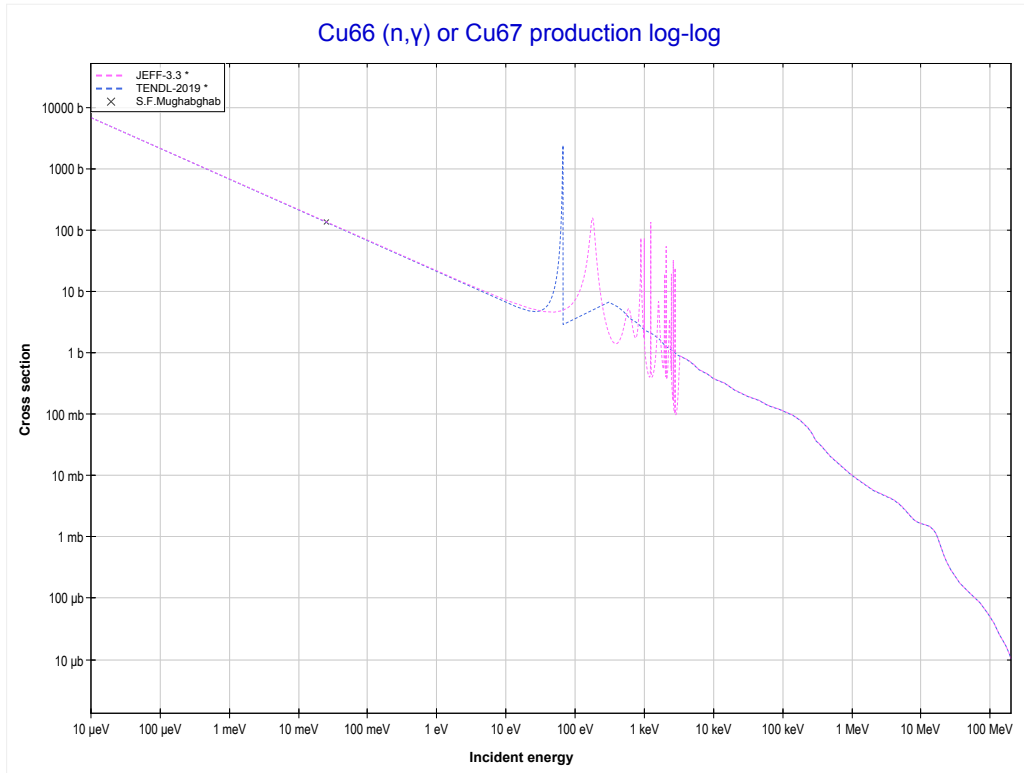
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.04454E-6 b | 0.00752492 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.83859E-6 b | 0.00450076 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25626E-5 b | 0.0186148 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.44407E-6 b | 0.00364679 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44407E-6 b | 0.00364679 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.14238E-5 b | 0.0096 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.96241E-6 b | 0.00537363 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.91842E-6 b | 0.00530088 b |

| | | |
|----------------|---|----------------------------------|
| << 29-Cu-63 | 29-Cu-65 | 30-Zn-64 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Co62 production) | 29-Cu-66 MT102 (n, γ) >> |



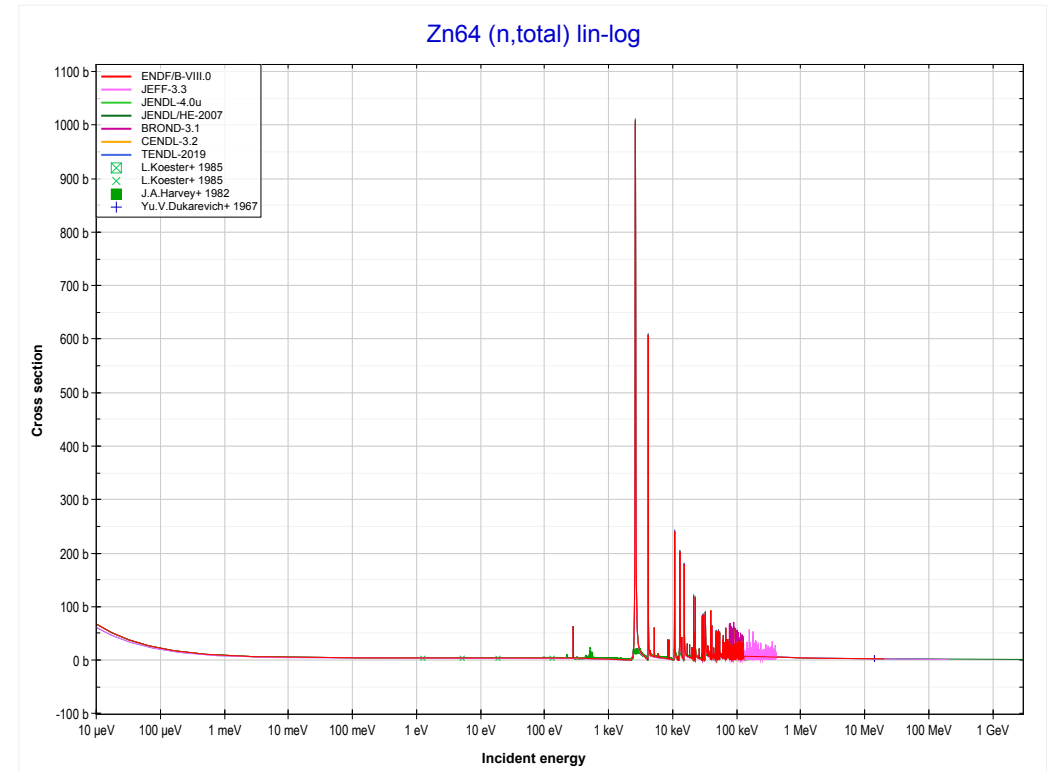
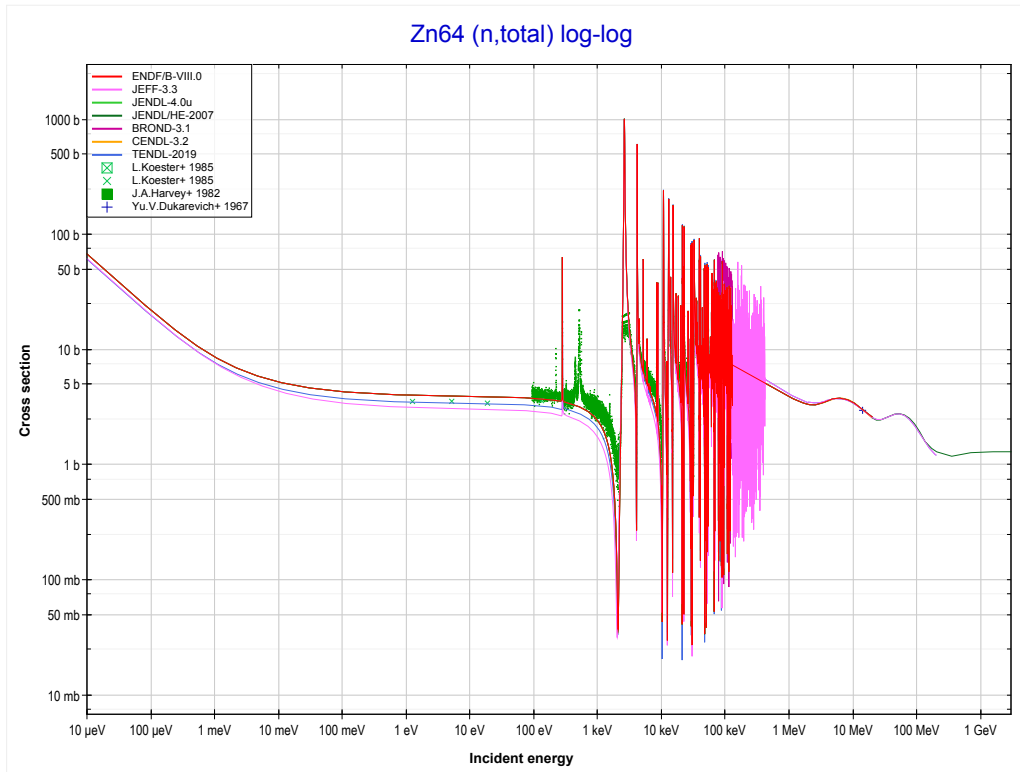
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.10627E-5 b | 0.0144858 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.53458E-5 b | 0.0136892 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 7.94261E-16 b | 2.53906E-5 b | 0.0106224 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 7.94211E-16 b | 2.53905E-5 b | 0.0106224 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76131E-5 b | 0.00991593 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.90075E-5 b | 0.0105763 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.83939E-5 b | 0.0147889 b |

| | | |
|----------------------------------|---|---------------------------|
| << 29-Cu-65 | 29-Cu-66 | 30-Zn-64 >> |
| << 29-Cu-65 MT107 (n, α) | MT102 (n,γ) or MT5 (Cu67 production) | 30-Zn-64 MT1 (n,total) >> |



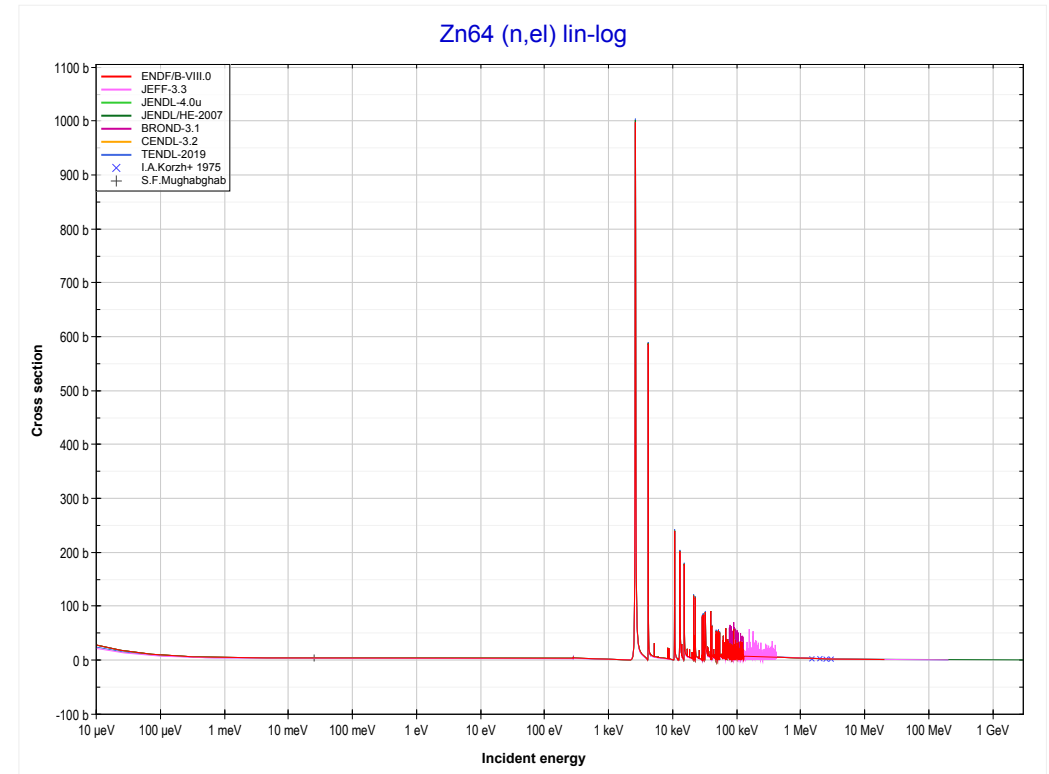
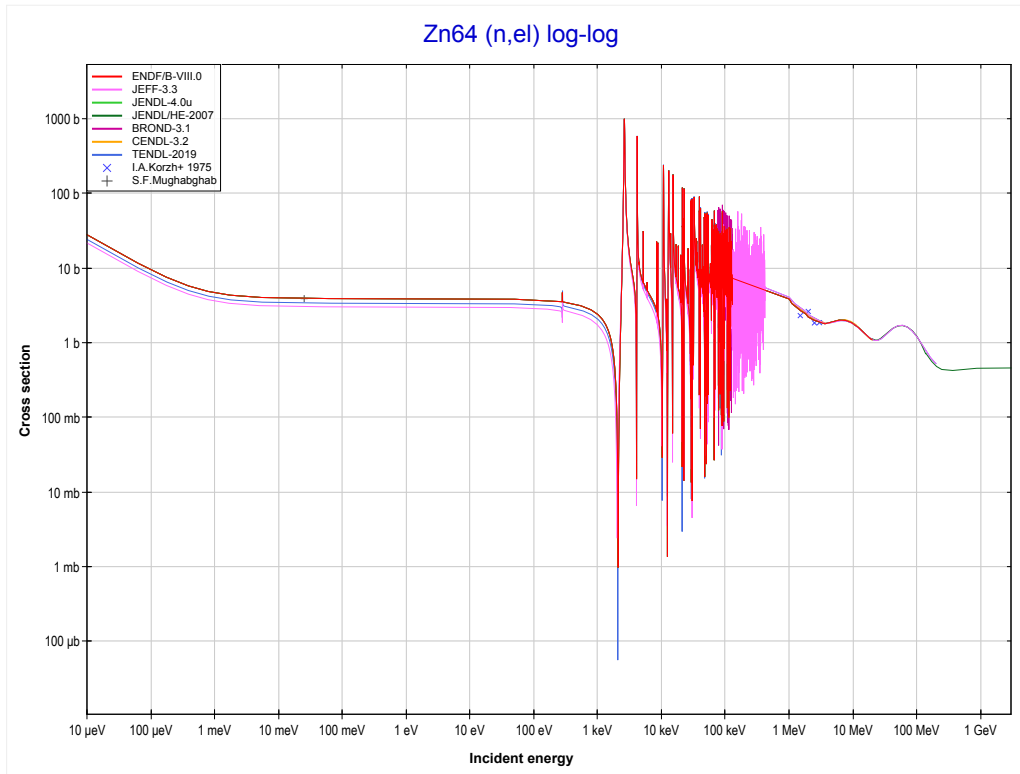
| | |
|------------------------|-------------|
| Reaction | Q-Value |
| Cu66(n, γ)Cu67 | 9132.52 keV |

| | | |
|----------------------------------|----------------------|--------------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-66 >> |
| << 29-Cu-66 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



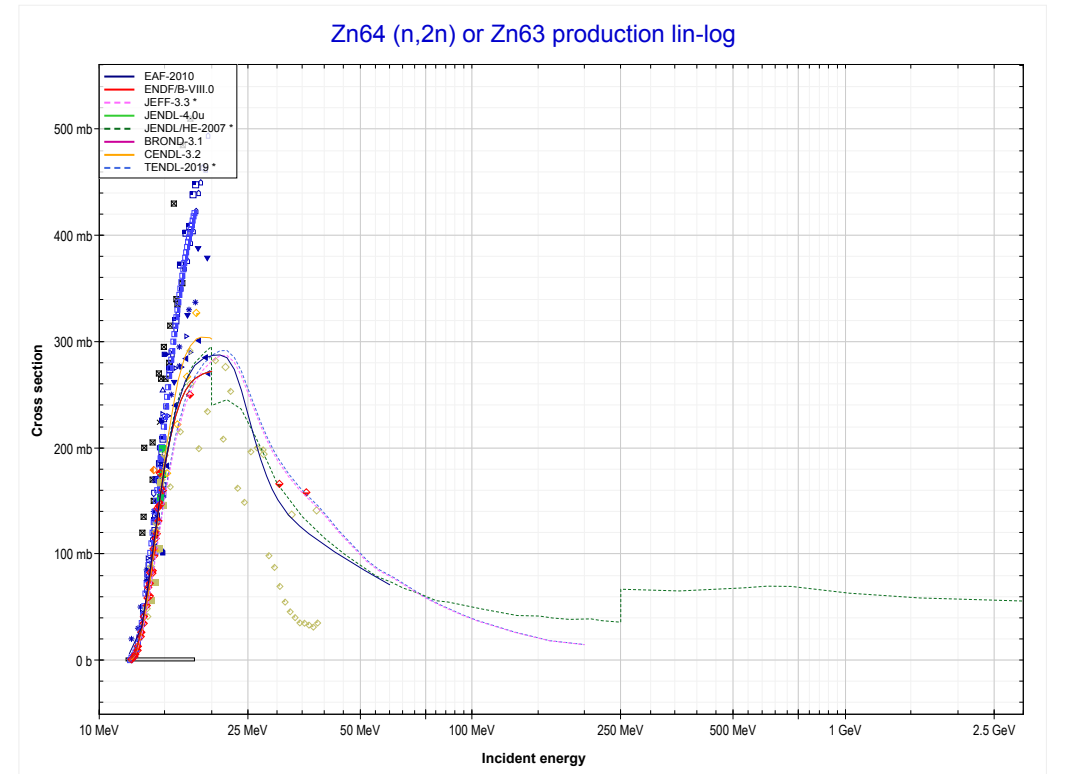
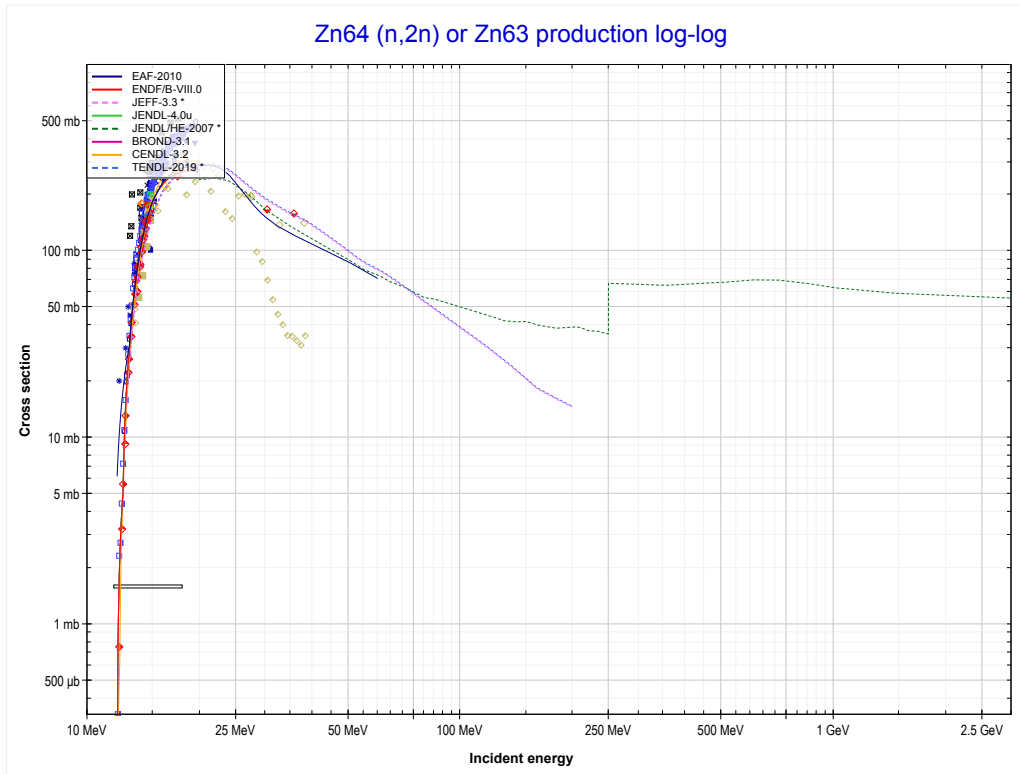
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.71471 b | 4.71471 b | 5.219 b | 1.10696 | 108.035 b | 3.97697 b | 3.01723 b |
| JEFF-3.3 | 3.83742 b | 3.83742 b | 4.2284 b | 1.10188 | 96.7542 b | 4.16736 b | 3.01558 b |
| JENDL-4.0u | 4.71471 b | 4.71471 b | 5.219 b | 1.10696 | 108.035 b | 3.97697 b | 3.01723 b |
| JENDL/HE-2007 | 4.71449 b | 4.71449 b | 5.2188 b | 1.10698 | 108.016 b | 3.99505 b | 3.01723 b |
| BROND-3.1 | 4.71471 b | 4.71471 b | 5.219 b | 1.10696 | 108.035 b | 3.97697 b | 3.01723 b |
| CENDL-3.2 | 4.7145 b | 4.7145 b | 5.2189 b | 1.10698 | 108.018 b | 3.97665 b | 3.01955 b |
| TENDL-2019 | 4.13214 b | 4.13214 b | 4.5693 b | 1.10579 | 103.381 b | 4.18571 b | 3.01452 b |

| | | |
|------------------|------------------------|----------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-66 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



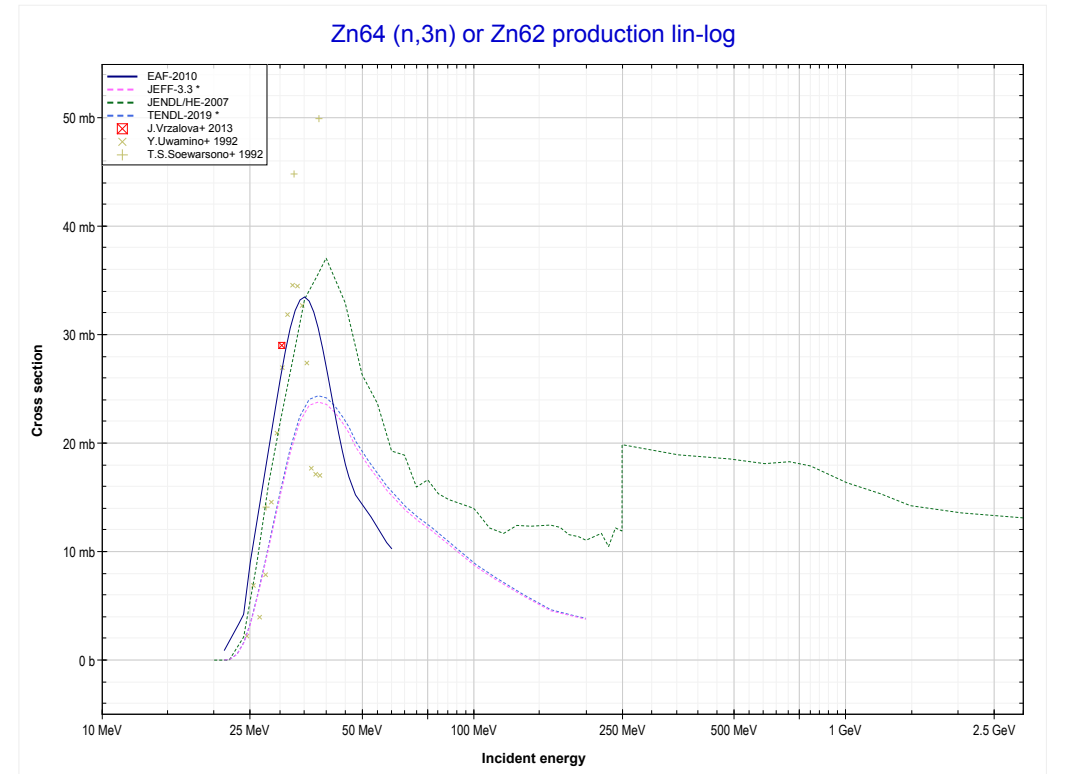
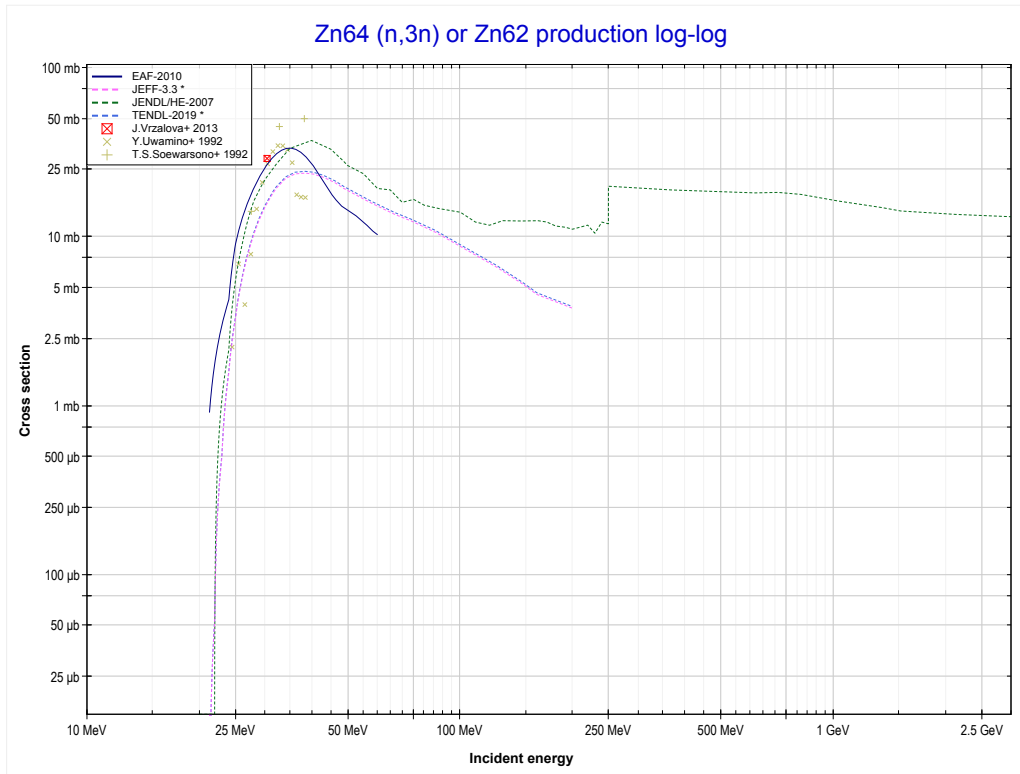
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.92733 b | 3.92733 b | 4.4314 b | 1.12834 | 106.675 b | 3.15931 b | 1.43057 b |
| JEFF-3.3 | 3.0445 b | 3.0445 b | 3.4352 b | 1.12834 | 95.3936 b | 3.3614 b | 1.43324 b |
| JENDL-4.0u | 3.92733 b | 3.92733 b | 4.4314 b | 1.12834 | 106.675 b | 3.15931 b | 1.43057 b |
| JENDL/HE-2007 | 3.92734 b | 3.92734 b | 4.4316 b | 1.12841 | 106.647 b | 3.17912 b | 1.43057 b |
| BROND-3.1 | 3.92733 b | 3.92733 b | 4.4314 b | 1.12834 | 106.675 b | 3.1593 b | 1.43057 b |
| CENDL-3.2 | 3.92734 b | 3.92734 b | 4.4316 b | 1.12841 | 106.647 b | 3.20487 b | 1.4412 b |
| TENDL-2019 | 3.40396 b | 3.40396 b | 3.8411 b | 1.12841 | 102.037 b | 3.38031 b | 1.43324 b |

| | | |
|--------------------|---|----------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-66 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zn63 production) | MT17 (n,3n) >> |



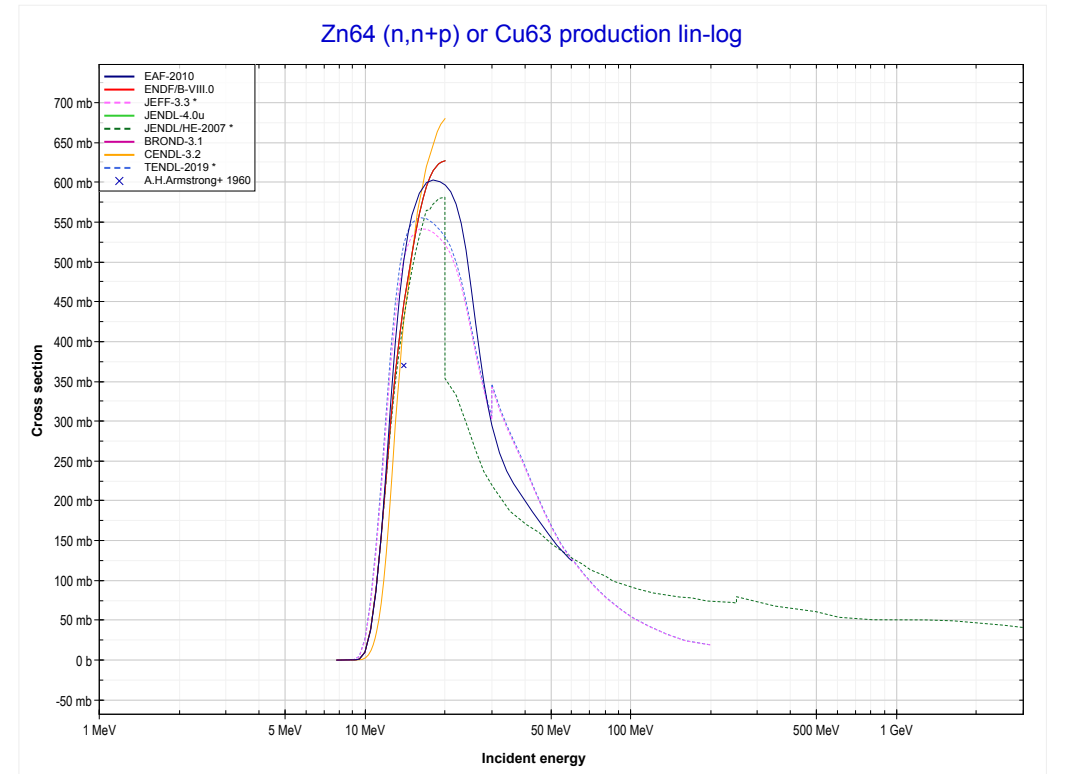
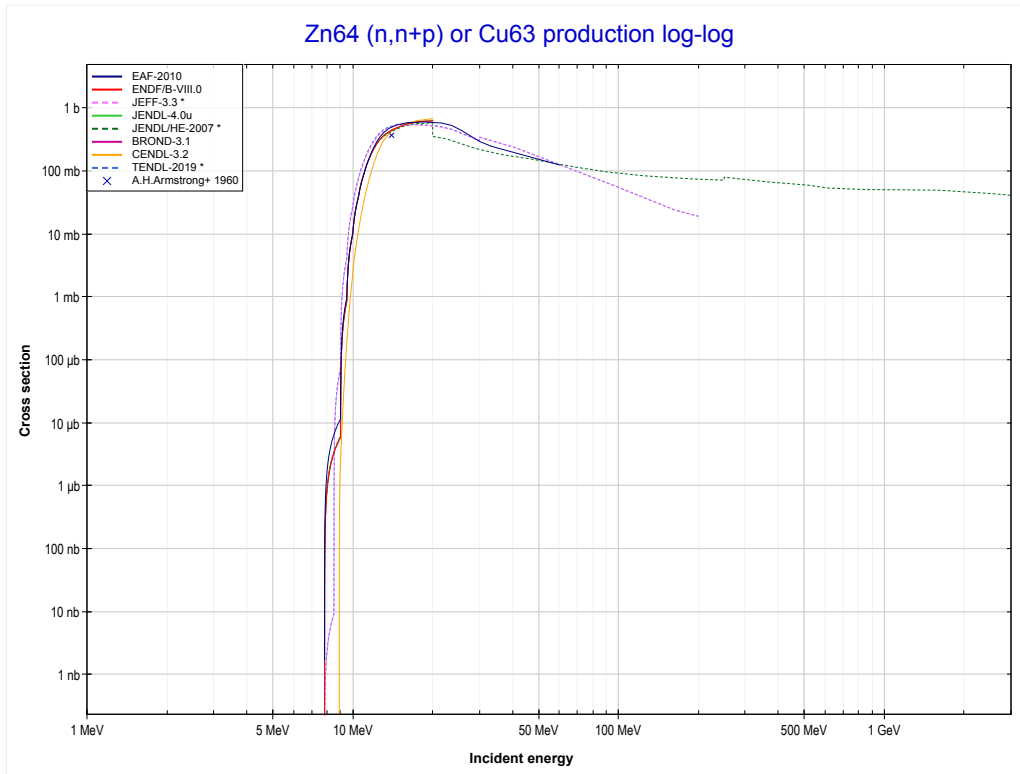
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.3107E-5 b | 0.110019 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.12662E-5 b | 0.107302 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.65662E-5 b | 0.0856676 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.12662E-5 b | 0.107302 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20184E-5 b | 0.109351 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.12662E-5 b | 0.107302 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.12768E-5 b | 0.10072 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72219E-5 b | 0.0878826 b |

| | | |
|----------------|---|-----------------|
| << 29-Cu-63 | 30-Zn-64 | 39-Y-89 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Zn62 production) | MT28 (n,n+p) >> |



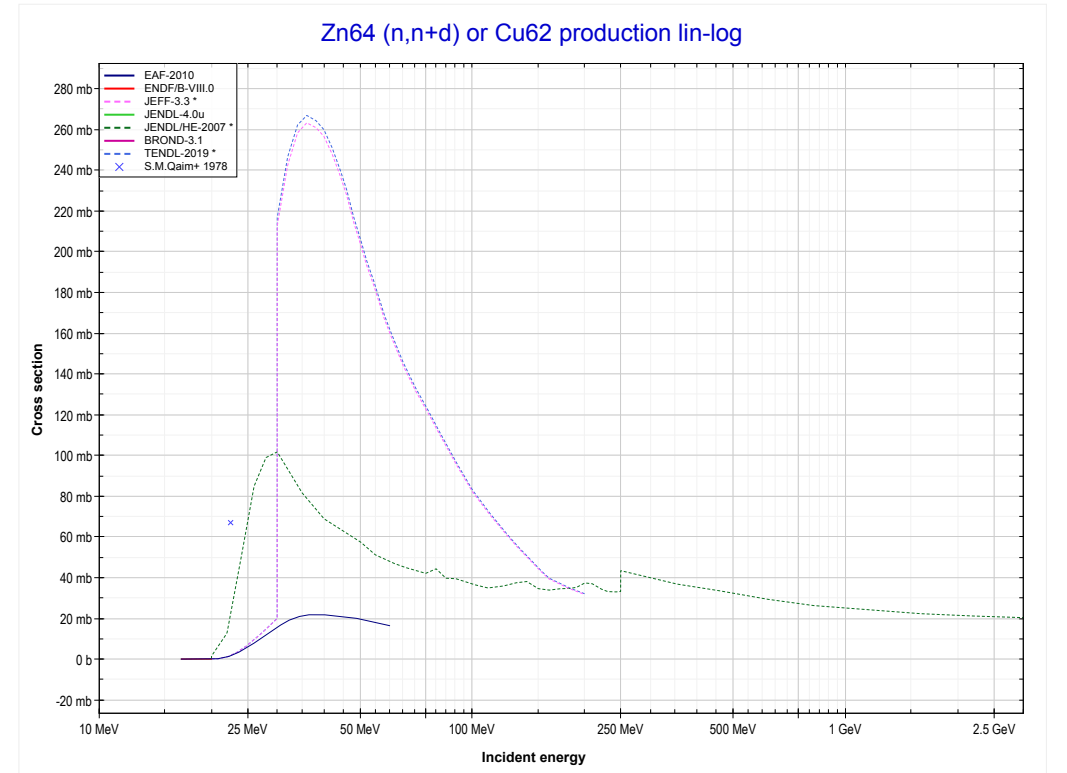
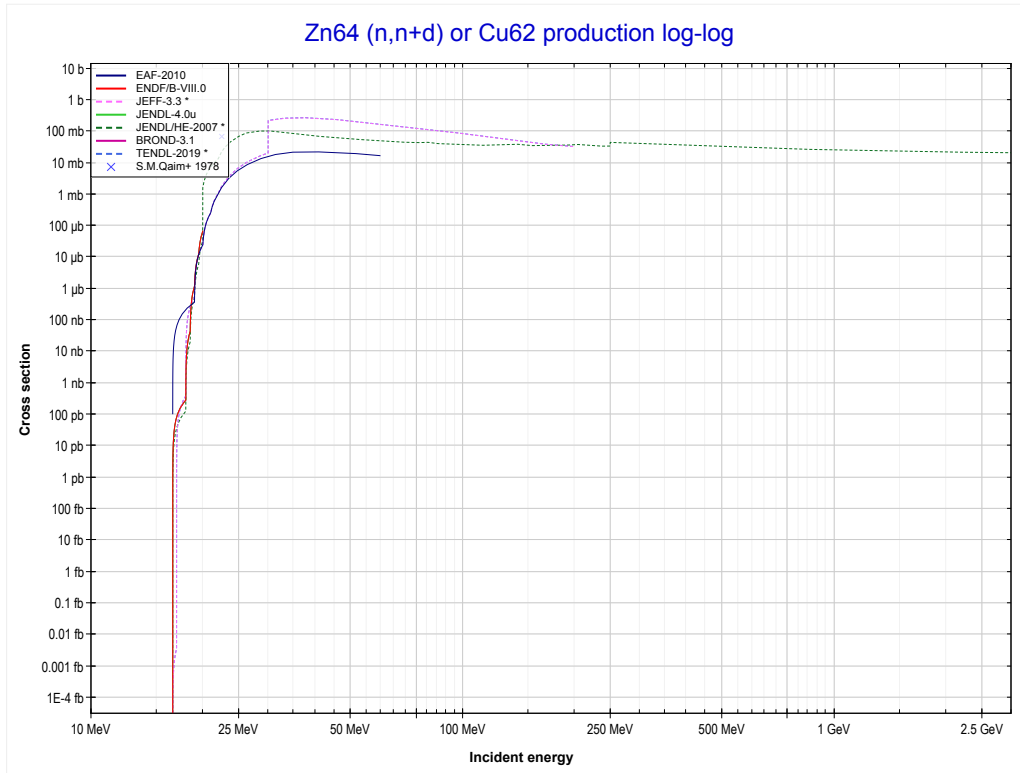
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Zn64(n,3n)Zn62 | -20978.63 keV |

| | | |
|----------------|--|-----------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-67 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Cu63 production) | MT32 (n,n+d) >> |



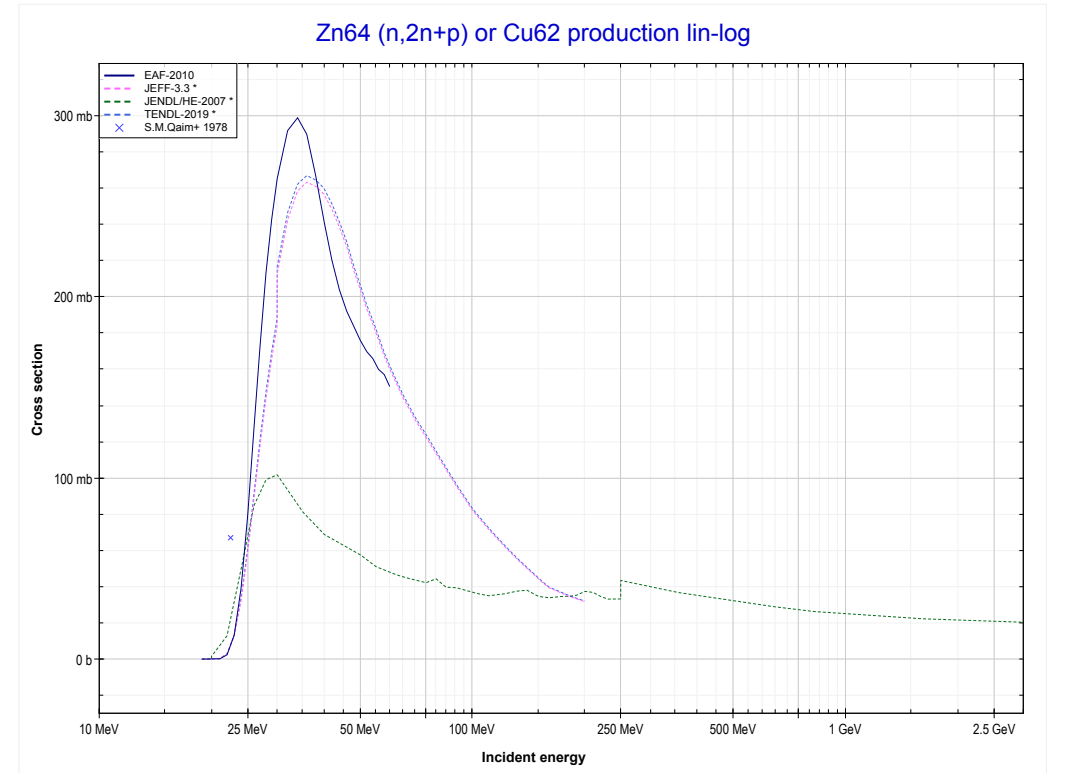
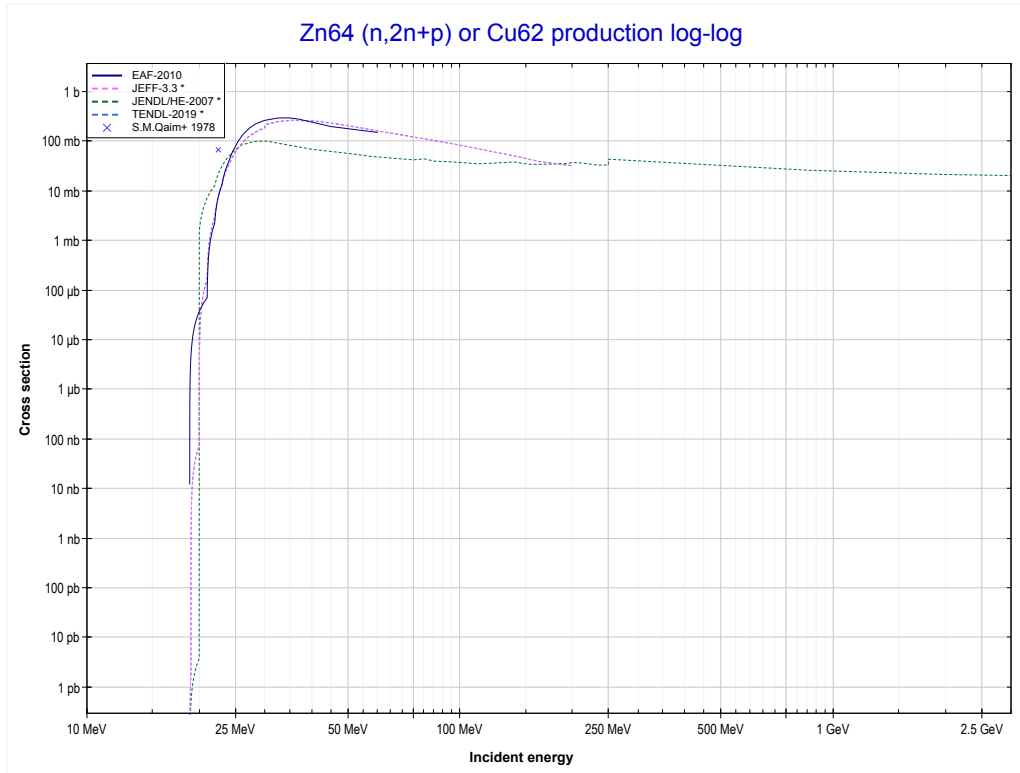
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98671E-4 b | 0.447928 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.9135E-4 b | 0.504458 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.98671E-4 b | 0.447928 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92611E-4 b | 0.429199 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98671E-4 b | 0.447928 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00361E-4 b | 0.42707 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.0982E-4 b | 0.523049 b |

| | | |
|-----------------|--|------------------|
| << 28-Ni-60 | 30-Zn-64 | 32-Ge-70 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Cu62 production) | MT41 (n,2n+p) >> |



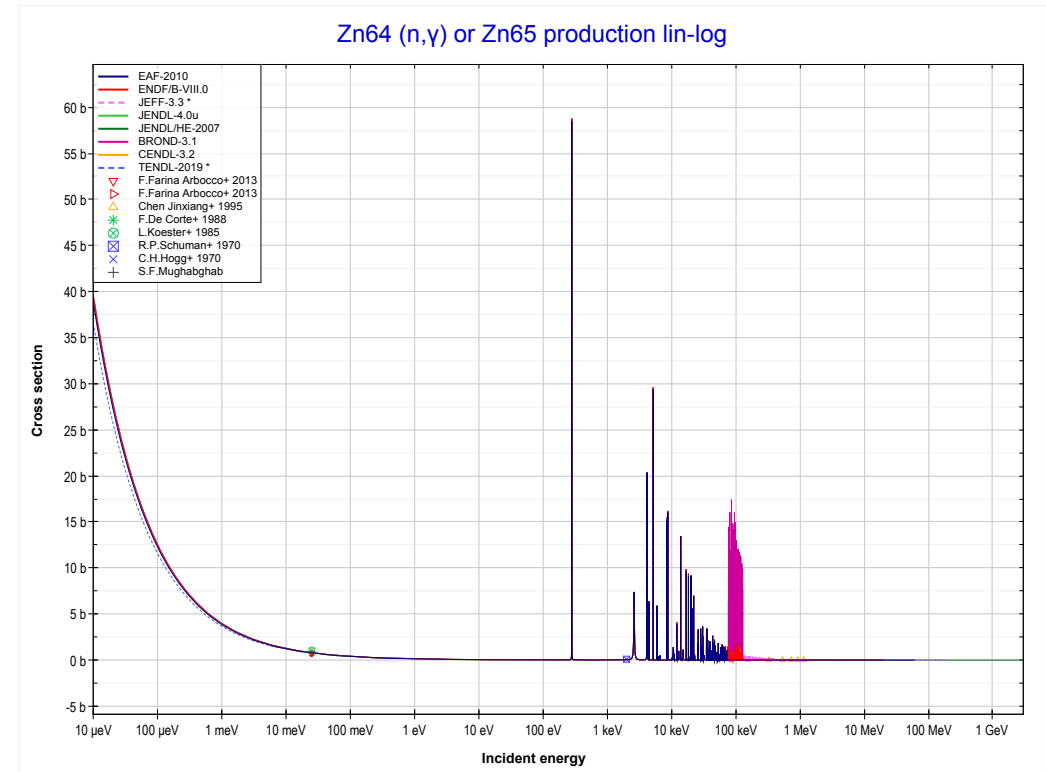
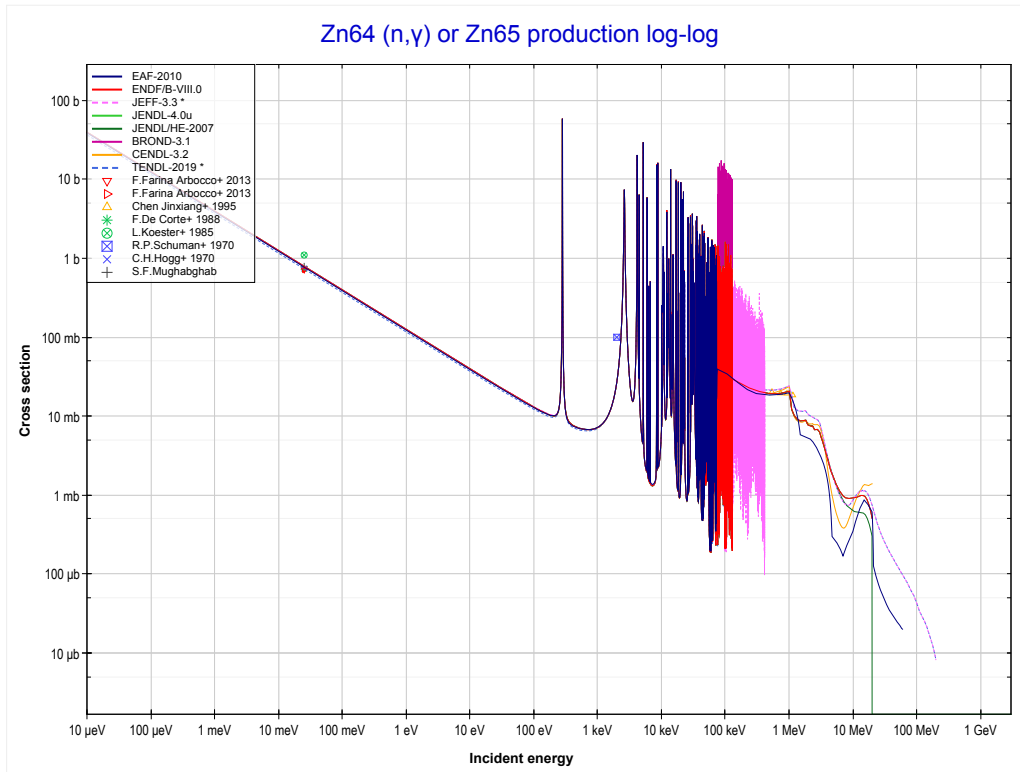
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36411E-11 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93019E-11 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.36411E-11 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.66021E-11 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36411E-11 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94661E-11 b | 0 b |

| | | |
|-----------------|---|-------------------------|
| << 28-Ni-60 | 30-Zn-64 | 32-Ge-70 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Cu62 production) | MT102 (n, γ) >> |



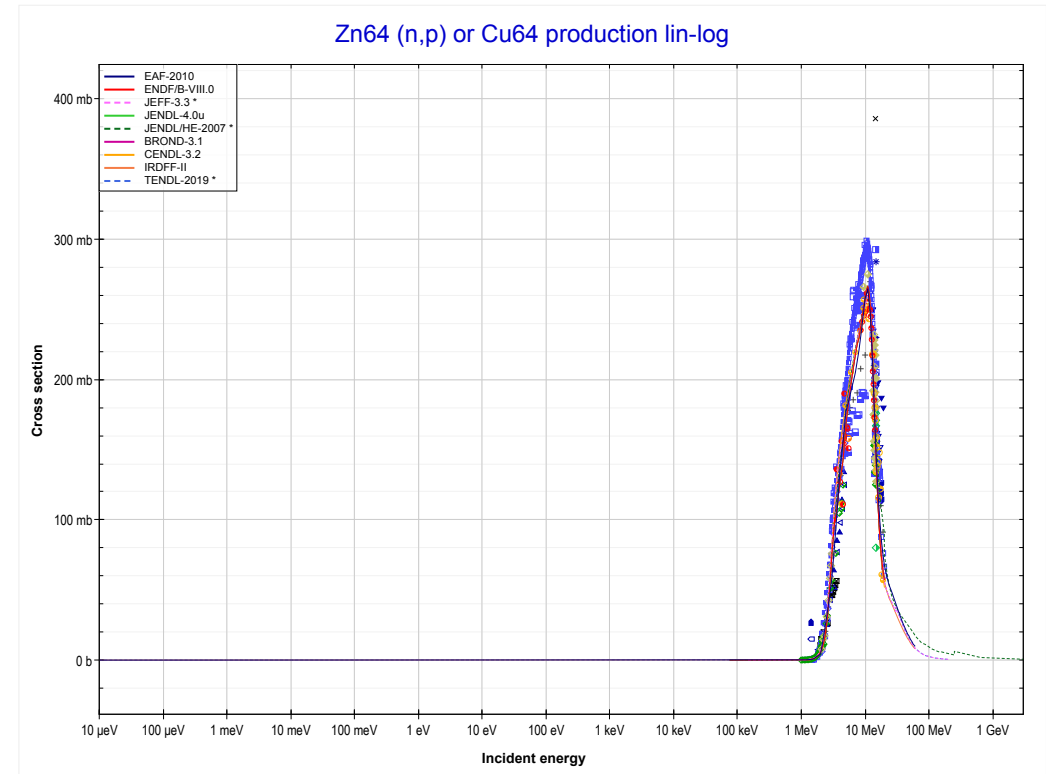
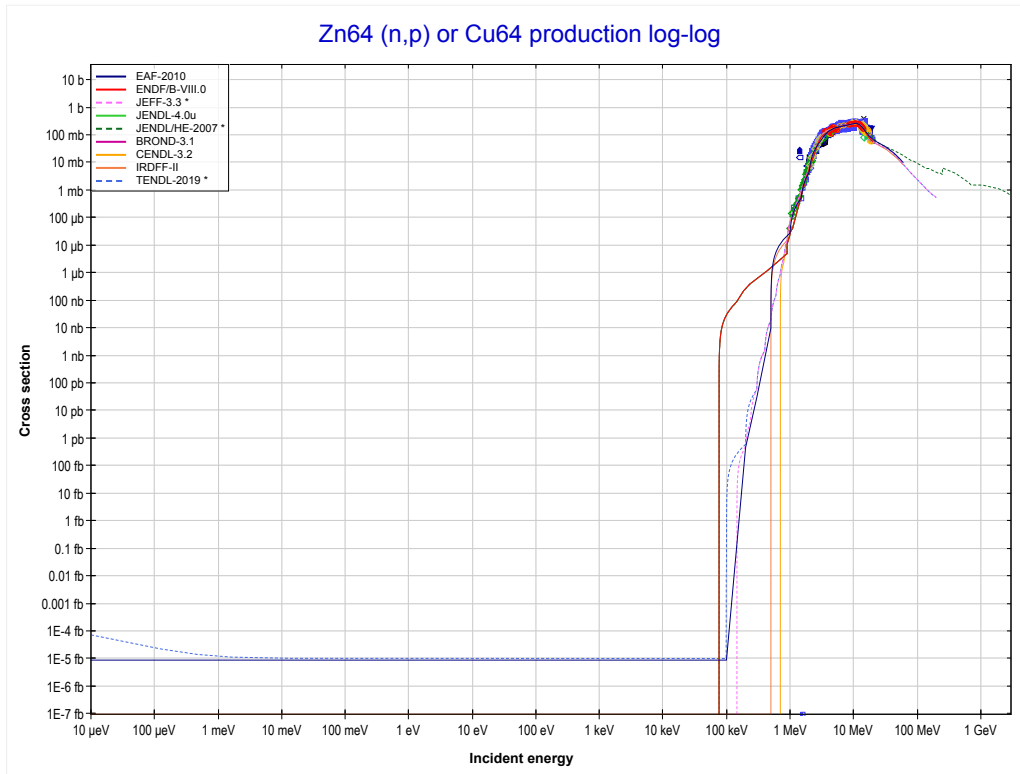
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4487E-14 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.40506E-18 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.63235E-14 b | 0 b |

| | | |
|------------------|---|----------------|
| << 29-Cu-66 | 30-Zn-64 | 30-Zn-66 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Zn65 production) | MT103 (n,p) >> |



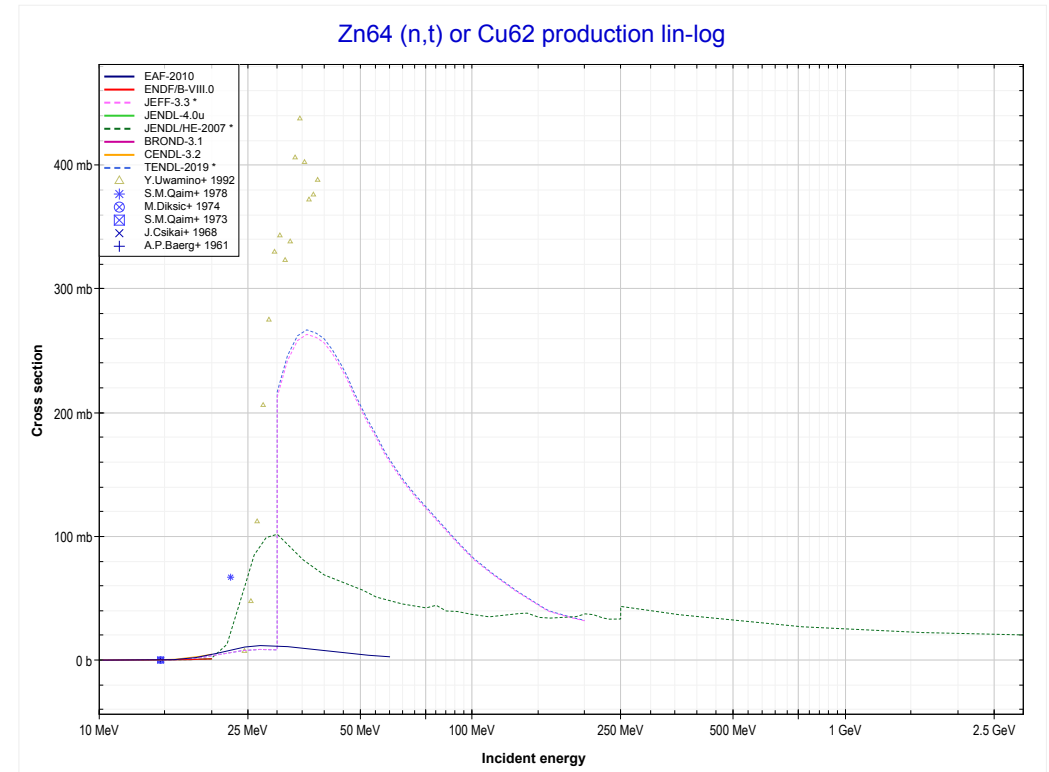
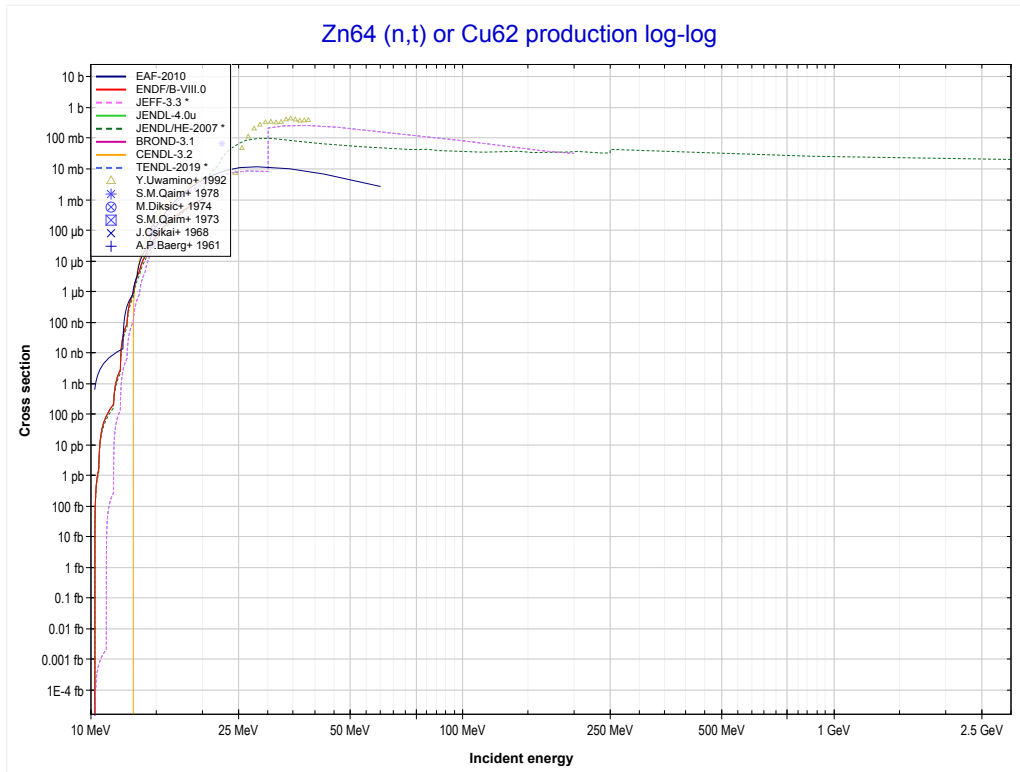
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.764243 b | 0.763666 b | 0.76423 b | 1.00074 | 1.34809 b | 0.0105969 b | 7.79E-4 b |
| ENDF/B-VIII.0 | 0.787365 b | 0.787365 b | 0.78761 b | 1.00032 | 1.3585 b | 0.011685 b | 9.95799E-4 b |
| JEFF-3.3 | 0.792908 b | 0.792908 b | 0.79315 b | 1.0003 | 1.36013 b | 0.0128806 b | 0.00115856 b |
| JENDL-4.0u | 0.787365 b | 0.787365 b | 0.78761 b | 1.00032 | 1.3585 b | 0.011685 b | 9.95799E-4 b |
| JENDL/HE-2007 | 0.787154 b | 0.787154 b | 0.7872 b | 1.00006 | 1.35743 b | 0.0117105 b | 6.01142E-4 b |
| BROND-3.1 | 0.787365 b | 0.787365 b | 0.78761 b | 1.00032 | 1.3585 b | 0.011685 b | 9.95799E-4 b |
| CENDL-3.2 | 0.787154 b | 0.787154 b | 0.7872 b | 1.00006 | 1.35743 b | 0.0120202 b | 0.0012666 b |
| TENDL-2019 | 0.728165 b | 0.728165 b | 0.72821 b | 1.00006 | 1.33135 b | 0.0139274 b | 0.00115938 b |

| | | |
|-------------------------|---|----------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-66 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cu64 production) | MT105 (n,t) >> |



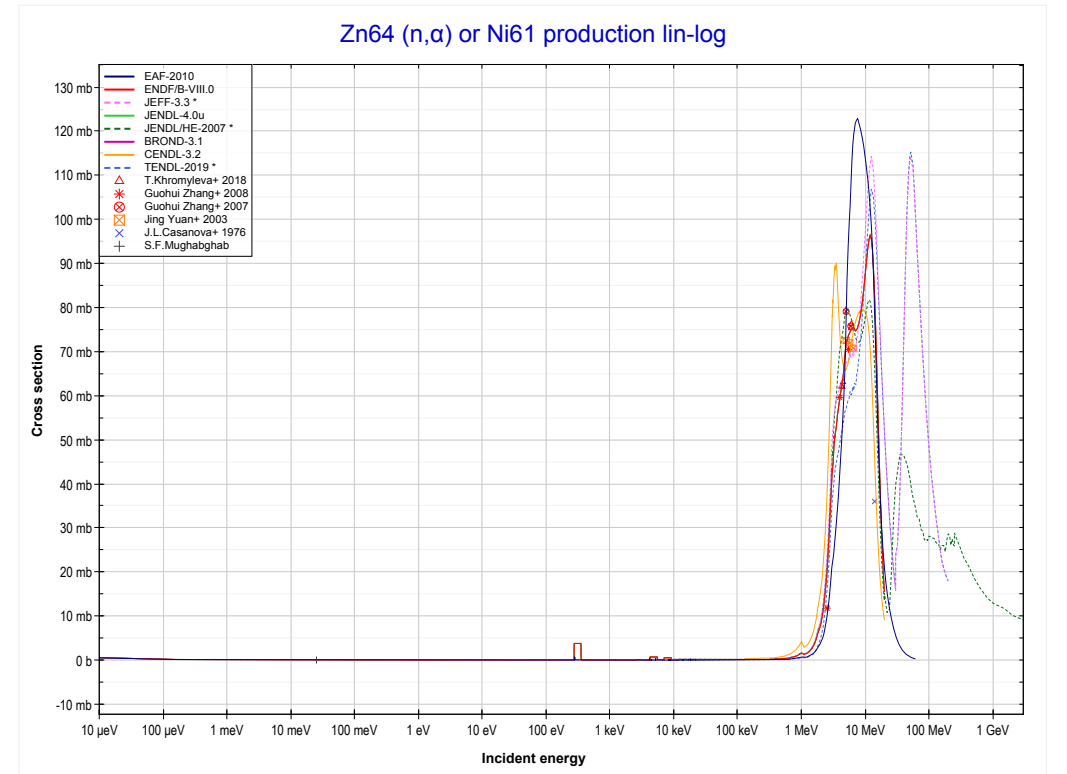
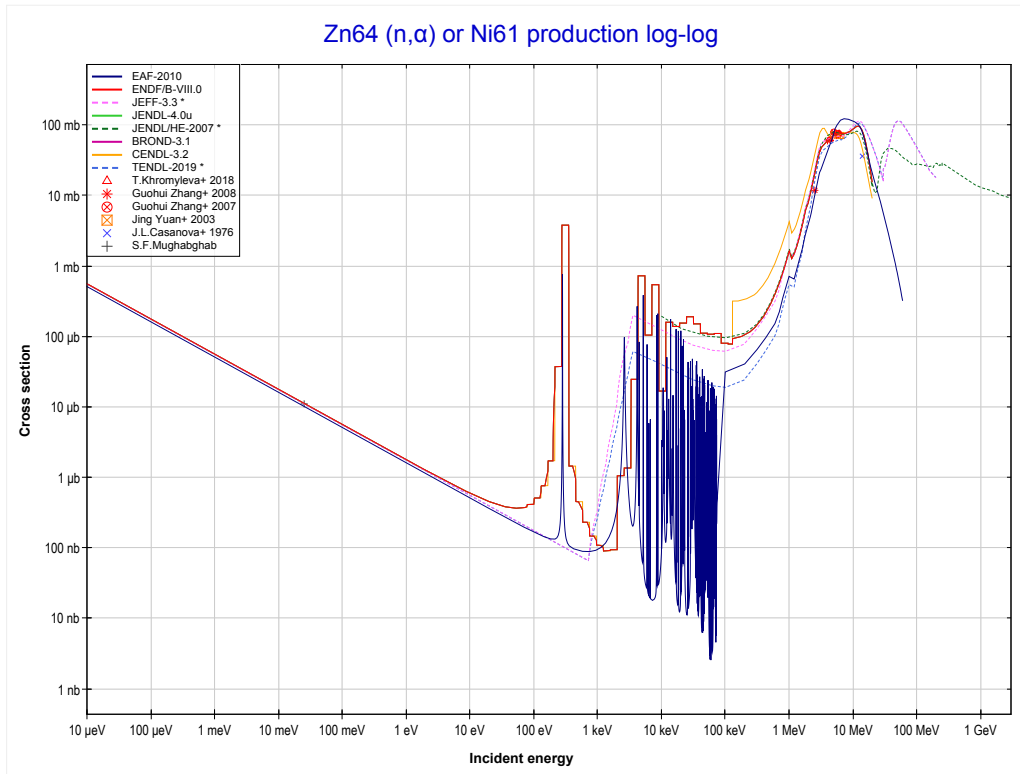
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 8.7384E-21 b | 8.7384E-21 b | 9.8596E-21 b | 0 | 1.06688E-19 b | 0.0352979 b | 0.175555 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.7922E-9 b | 0.0357536 b | 0.175166 b |
| JEFF-3.3 * | 0 b | 0 b | 0 b | 0 | 0 b | 0.0393291 b | 0.177683 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 3.7922E-9 b | 0.0357536 b | 0.175166 b |
| JENDL/HE-2007 * | 0 b | 0 b | 0 b | 0 | 3.73853E-9 b | 0.037619 b | 0.184588 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.79218E-9 b | 0.0357536 b | 0.175166 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0390381 b | 0.182358 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0392833 b | 0.177797 b |
| TENDL-2019 * | 1.0079E-20 b | 1.0079E-20 b | 1.1373E-20 b | 1.1284 | 2.37542E-19 b | 0.0393178 b | 0.177683 b |

| | | |
|----------------|---|-------------------------|
| << 29-Cu-Nat | 30-Zn-64 | 32-Ge-70 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Cu62 production) | MT107 (n, α) >> |



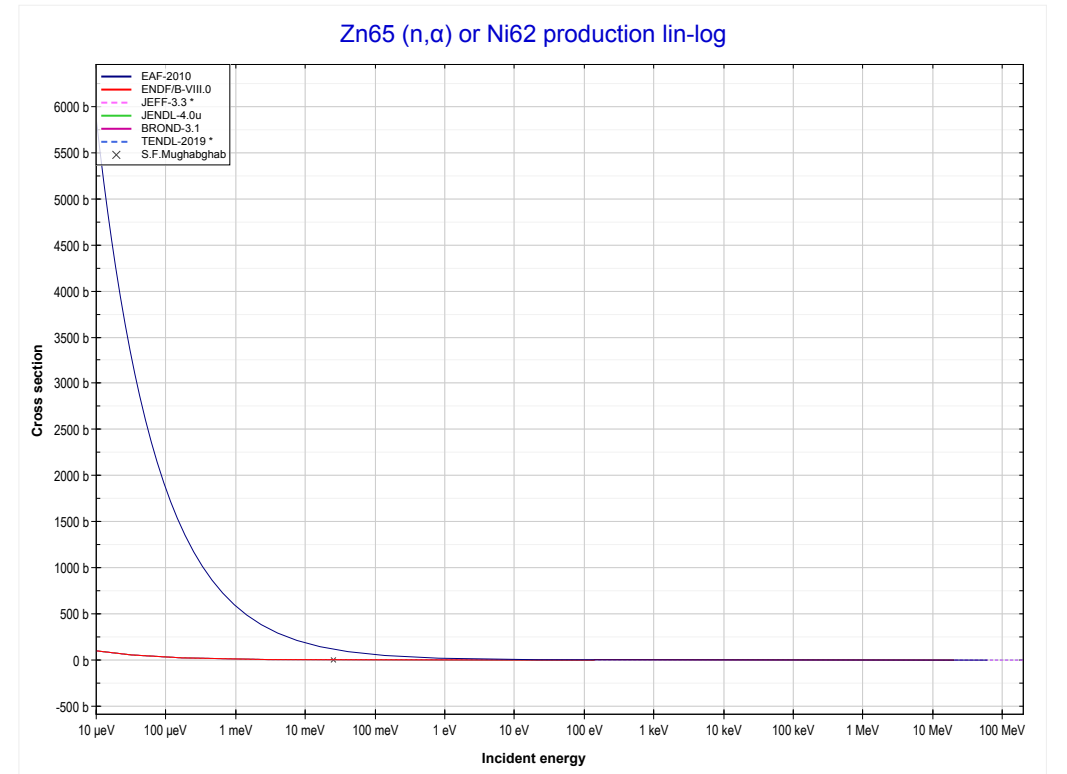
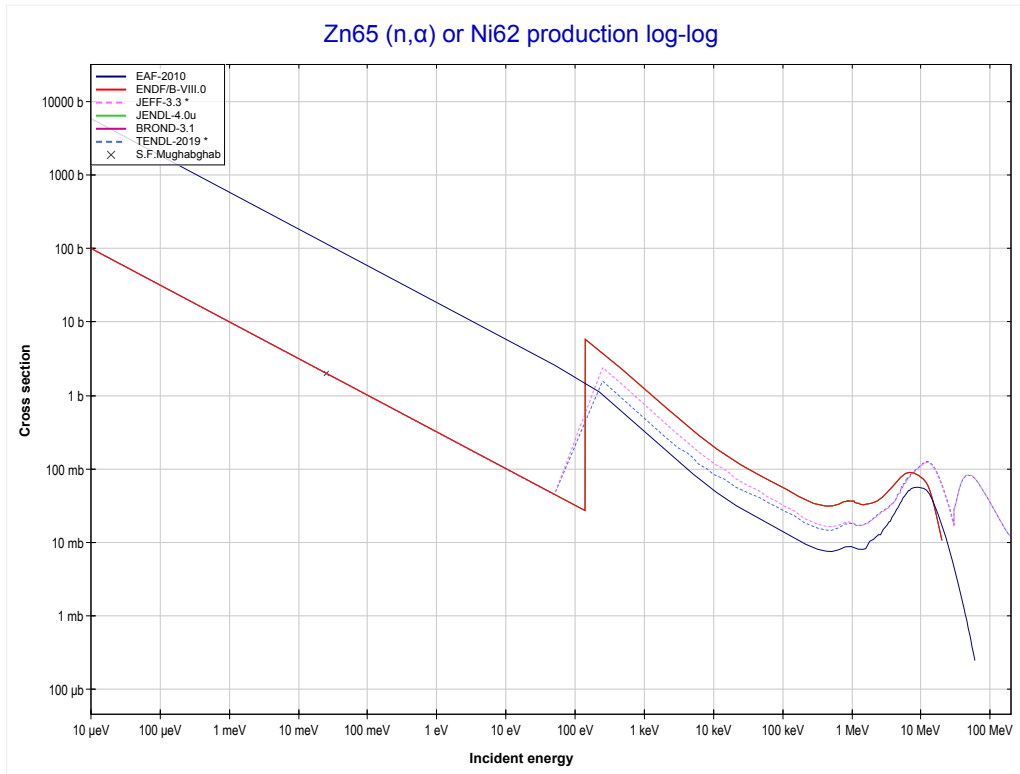
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.60906E-8 b | 2.23772E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56708E-8 b | 1.44866E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2788E-8 b | 4.4261E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.56708E-8 b | 1.44866E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31633E-8 b | 1.05818E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56708E-8 b | 1.44866E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74021E-8 b | 4.58457E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28212E-8 b | 4.45538E-6 b |

| | | |
|----------------|---|----------------------------------|
| << 29-Cu-65 | 30-Zn-64 | 30-Zn-65 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Ni61 production) | 30-Zn-65 MT107 (n, α) >> |



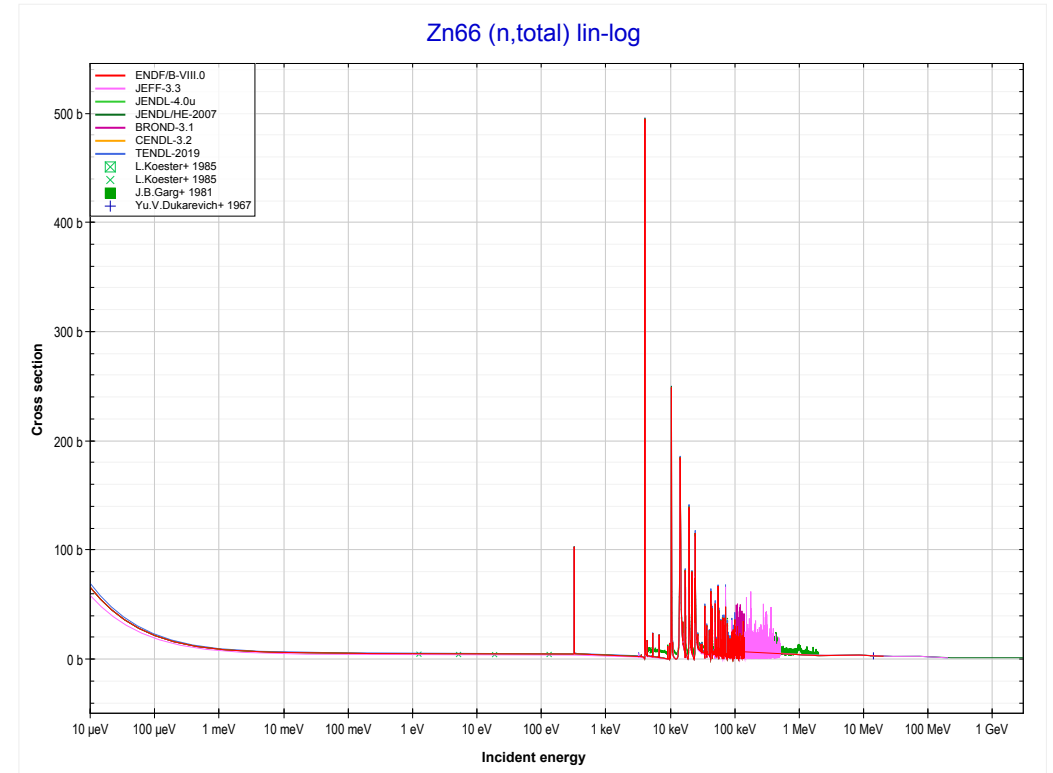
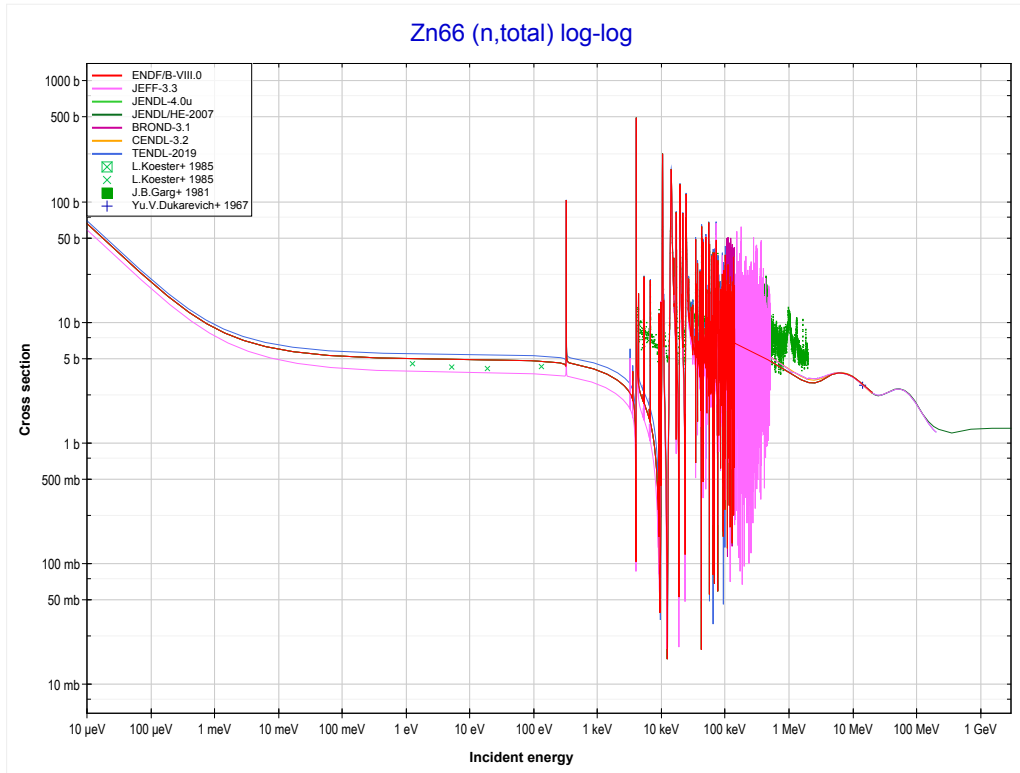
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-5 b | 9.99245E-6 b | 9.9999E-6 b | 1.00074 | 1.96171E-5 b | 0.0146897 b | 0.0797796 b |
| ENDF/B-VIII.0 | 1.10826E-5 b | 1.10826E-5 b | 1.1087E-5 b | 1.00039 | 0.00160918 b | 0.017978 b | 0.0832322 b |
| JEFF-3.3 | 1.10437E-5 b | 1.10437E-5 b | 1.1045E-5 b | 1.0001 | 3.99986E-4 b | 0.0190523 b | 0.106638 b |
| JENDL-4.0u | 1.10826E-5 b | 1.10826E-5 b | 1.1087E-5 b | 1.00039 | 0.00160918 b | 0.017978 b | 0.0832322 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 2.80964E-4 b | 0.0196987 b | 0.0670331 b |
| BROND-3.1 | 1.10826E-5 b | 1.10826E-5 b | 1.1087E-5 b | 1.00039 | 0.00160918 b | 0.017978 b | 0.0832322 b |
| CENDL-3.2 | 1.10797E-5 b | 1.10797E-5 b | 1.1081E-5 b | 1.00013 | 0.00160842 b | 0.025656 b | 0.0465161 b |
| TENDL-2019 | 1.10343E-5 b | 1.10343E-5 b | 1.1026E-5 b | 0.99925 | 1.3114E-4 b | 0.0143952 b | 0.101659 b |

| | | |
|----------------------------------|---|---------------------------|
| << 30-Zn-64 | 30-Zn-65 | 30-Zn-66 >> |
| << 30-Zn-64 MT107 (n, α) | MT107 (n,α) or MT5 (Ni62 production) | 30-Zn-66 MT1 (n,total) >> |



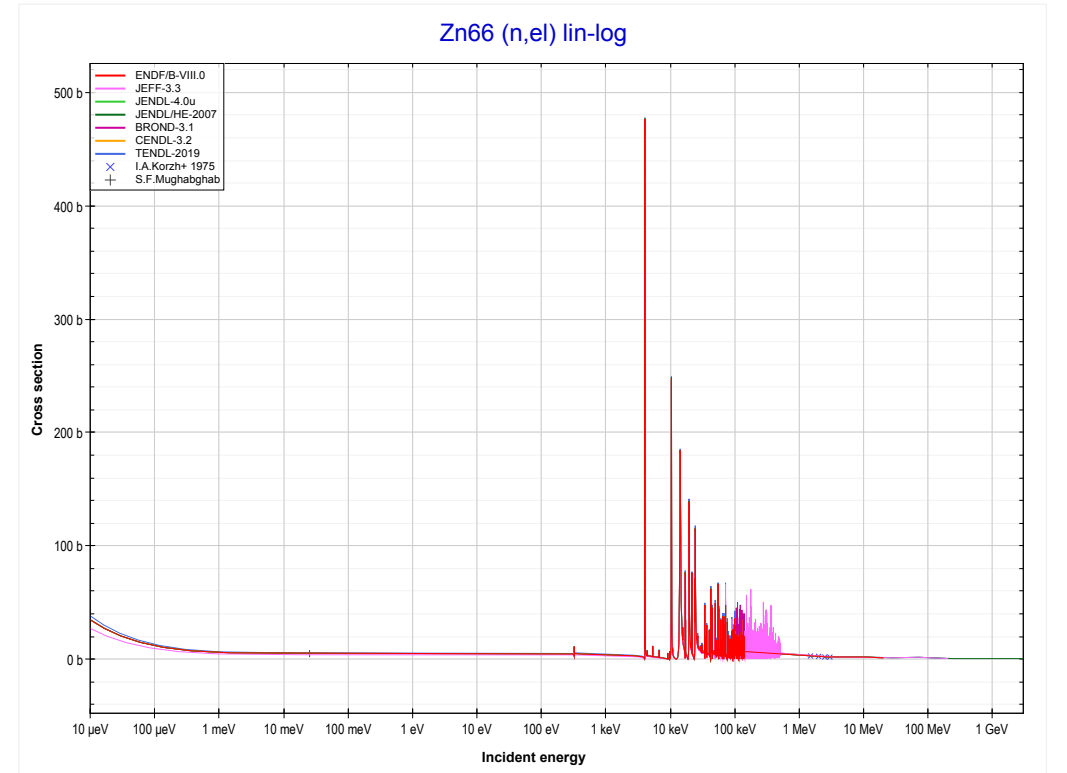
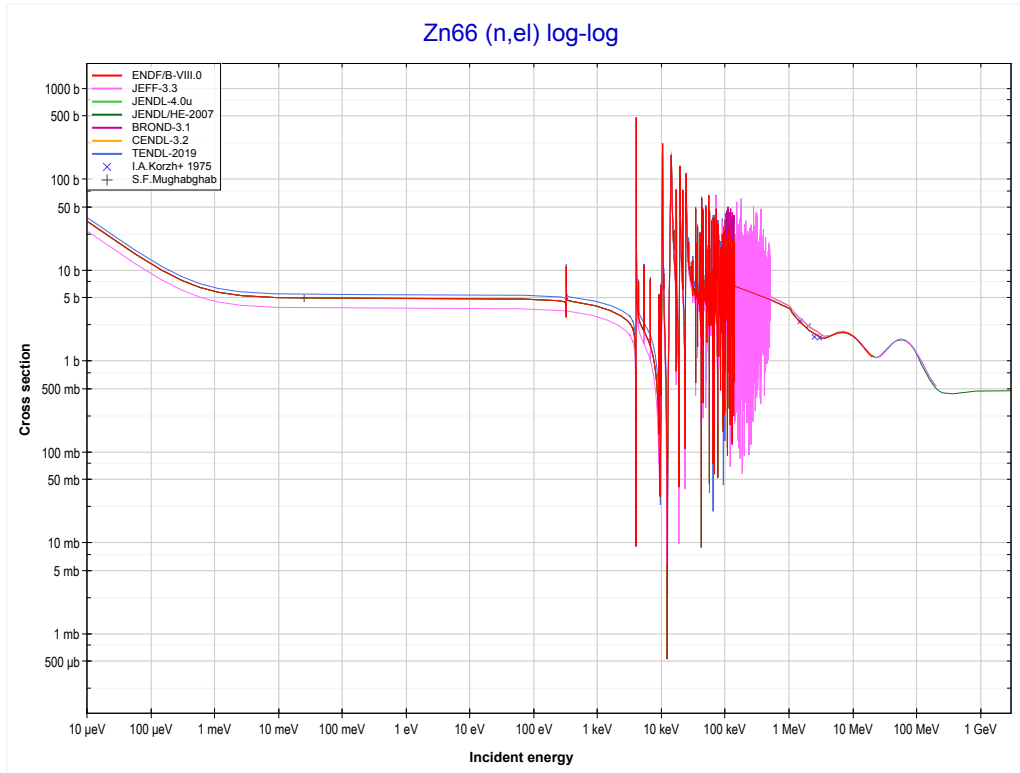
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 116.669 b | 116.581 b | 116.59 b | 1.00004 | 51.2461 b | 0.0139677 b | 0.041609 b |
| ENDF/B-VIII.0 | 2.00066 b | 2.00066 b | 2.0014 b | 1.00036 | 8.29605 b | 0.0424274 b | 0.0452458 b |
| JEFF-3.3 | 1.99451 b | 1.99451 b | 1.9948 b | 1.00016 | 4.67295 b | 0.0254082 b | 0.115862 b |
| JENDL-4.0u | 2.00066 b | 2.00066 b | 2.0014 b | 1.00036 | 8.29605 b | 0.0424274 b | 0.0452458 b |
| BROND-3.1 | 2.00066 b | 2.00066 b | 2.0014 b | 1.00036 | 8.29605 b | 0.0424274 b | 0.0452458 b |
| TENDL-2019 | 1.98816 b | 1.98816 b | 1.9865 b | 0.99917 | 3.42871 b | 0.0250918 b | 0.119236 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 30-Zn-64 | 30-Zn-66 | 30-Zn-67 >> |
| << 30-Zn-65 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



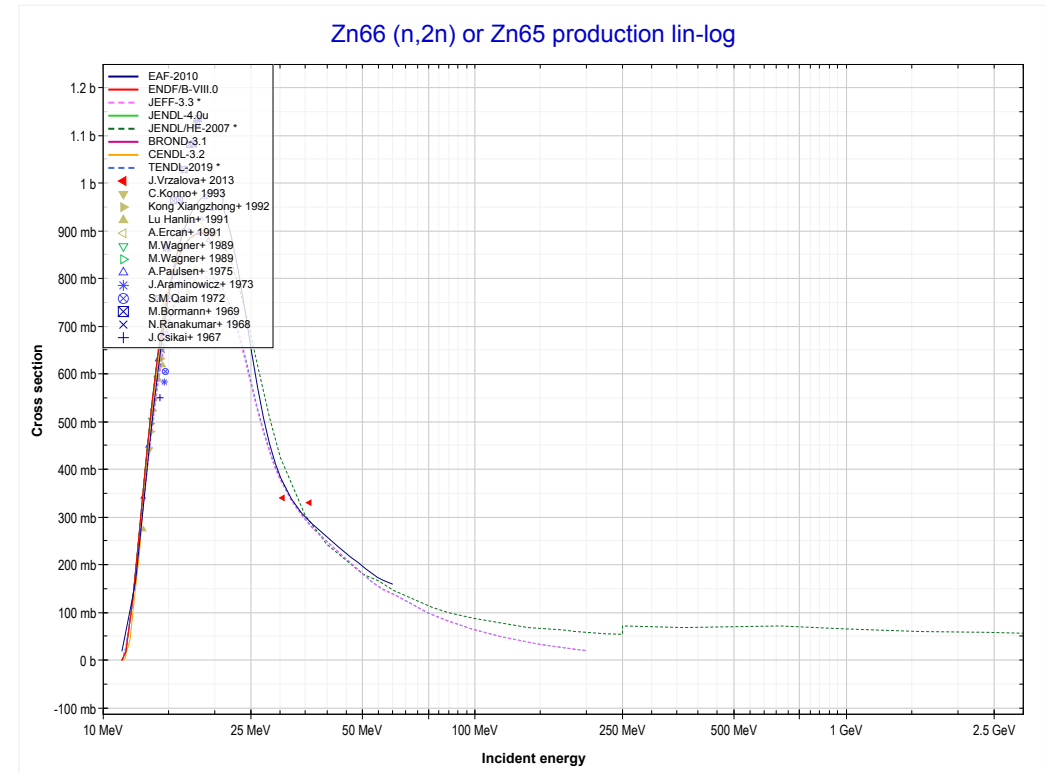
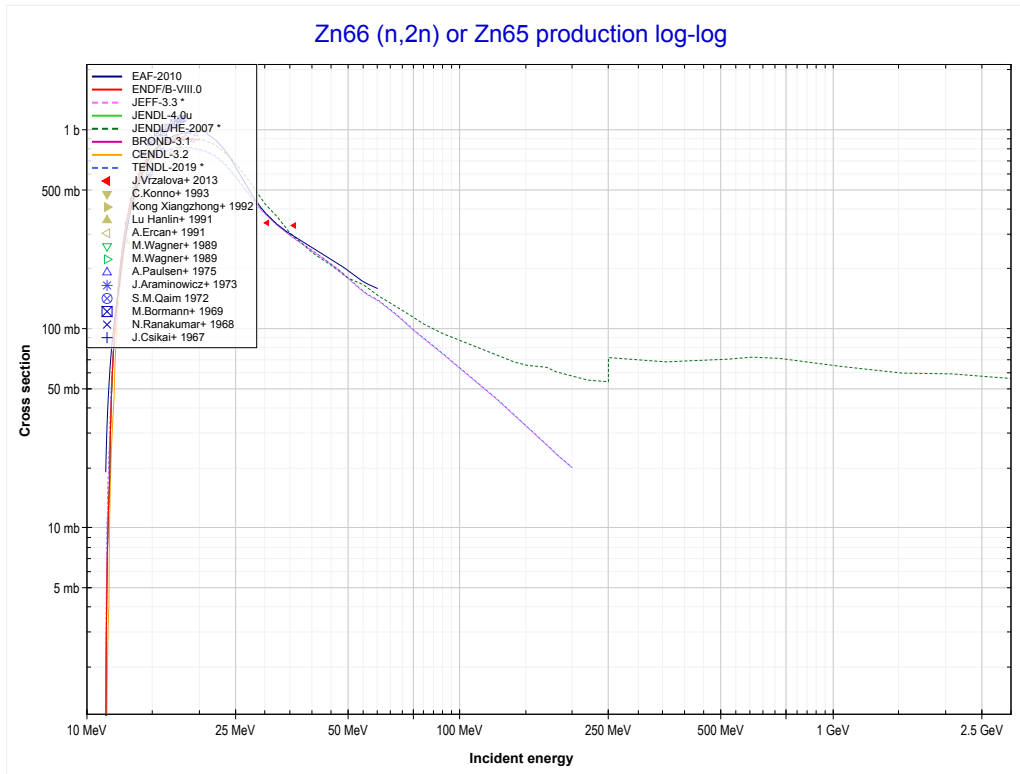
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.55604 b | 5.55604 b | 6.1901 b | 1.11411 | 75.0429 b | 3.86008 b | 3.07584 b |
| JEFF-3.3 | 4.47678 b | 4.47678 b | 4.9717 b | 1.11055 | 63.6713 b | 4.19647 b | 3.04793 b |
| JENDL-4.0u | 5.55604 b | 5.55604 b | 6.1901 b | 1.11411 | 75.0429 b | 3.86008 b | 3.07584 b |
| JENDL/HE-2007 | 5.55586 b | 5.55586 b | 6.19 b | 1.11414 | 75.0581 b | 3.8745 b | 3.07584 b |
| BROND-3.1 | 5.55604 b | 5.55604 b | 6.1901 b | 1.11411 | 75.0429 b | 3.86009 b | 3.07584 b |
| CENDL-3.2 | 5.55586 b | 5.55586 b | 6.19 b | 1.11414 | 75.0586 b | 4.09896 b | 3.05168 b |
| TENDL-2019 | 6.05185 b | 6.05185 b | 6.7492 b | 1.11523 | 82.5988 b | 4.17057 b | 3.04791 b |

| | | |
|------------------|------------------------|----------------|
| << 30-Zn-64 | 30-Zn-66 | 30-Zn-68 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



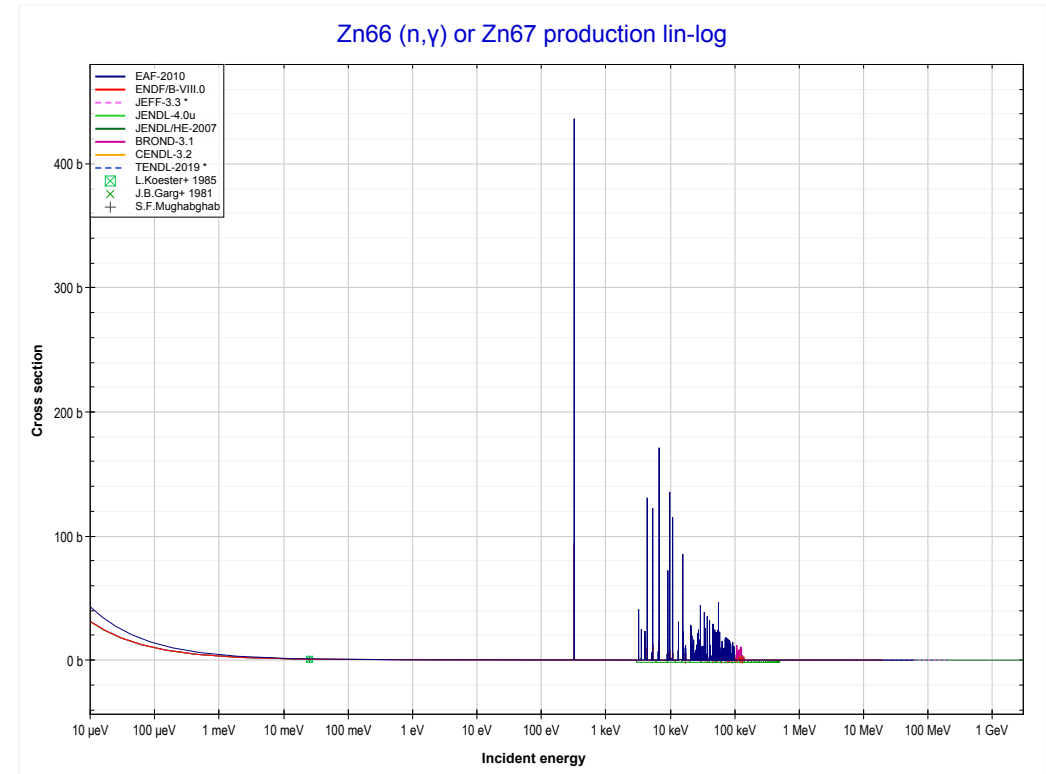
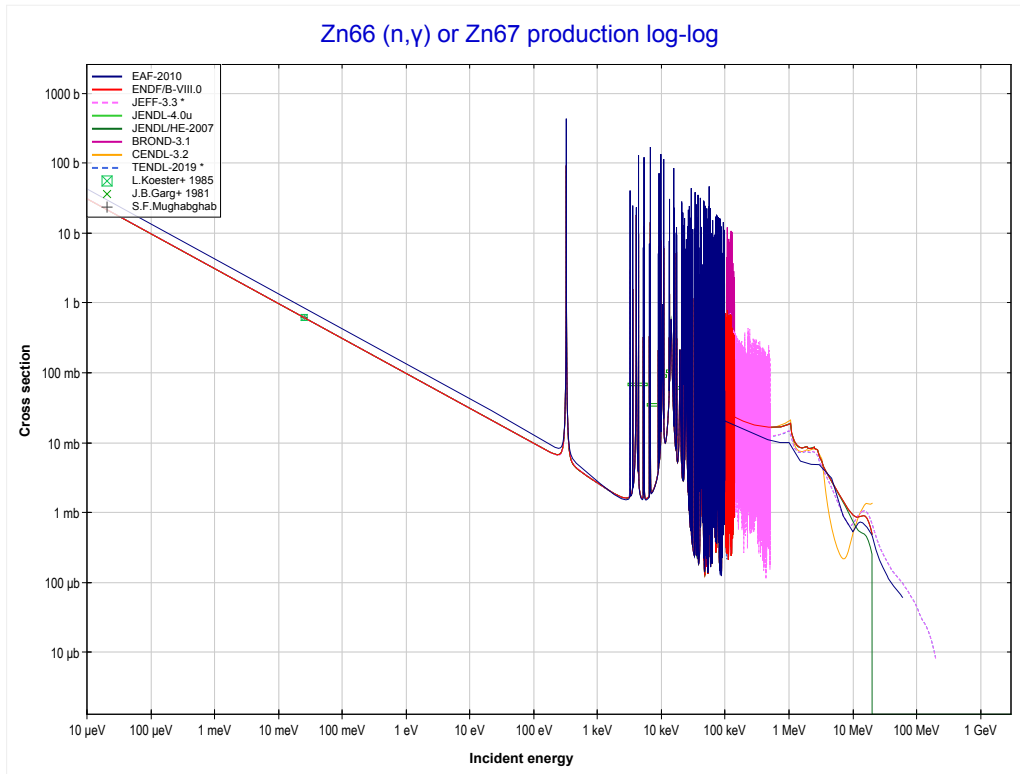
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.93806 b | 4.93806 b | 5.5718 b | 1.12835 | 74.1356 b | 3.11562 b | 1.49524 b |
| JEFF-3.3 | 3.85469 b | 3.85469 b | 4.3494 b | 1.12835 | 62.7472 b | 3.43761 b | 1.48371 b |
| JENDL-4.0u | 4.93806 b | 4.93806 b | 5.5718 b | 1.12835 | 74.1356 b | 3.11562 b | 1.49524 b |
| JENDL/HE-2007 | 4.93806 b | 4.93806 b | 5.5722 b | 1.12841 | 74.1364 b | 3.13018 b | 1.49524 b |
| BROND-3.1 | 4.93806 b | 4.93806 b | 5.5718 b | 1.12835 | 74.1356 b | 3.11563 b | 1.49524 b |
| CENDL-3.2 | 4.93806 b | 4.93806 b | 5.5722 b | 1.12841 | 74.1369 b | 3.36147 b | 1.4731 b |
| TENDL-2019 | 5.4303 b | 5.4303 b | 6.1276 b | 1.12841 | 81.6653 b | 3.41142 b | 1.48371 b |

| | | |
|--------------------|---|-------------------------|
| << 30-Zn-64 | 30-Zn-66 | 30-Zn-68 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zn65 production) | MT102 (n, γ) >> |



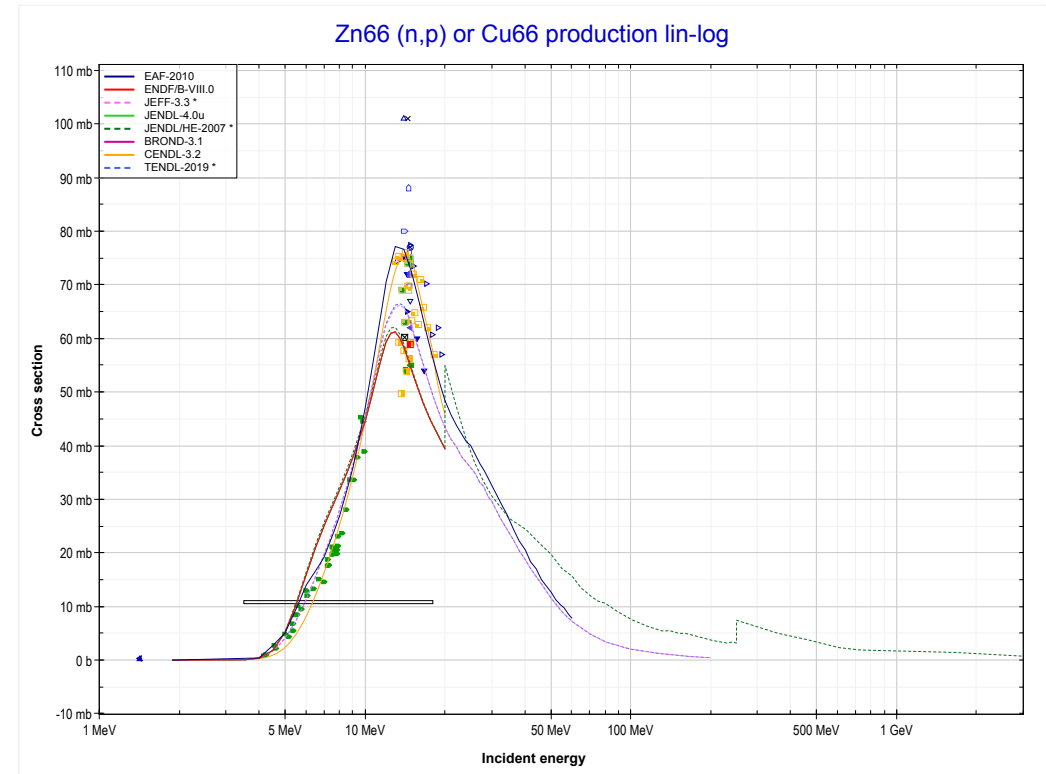
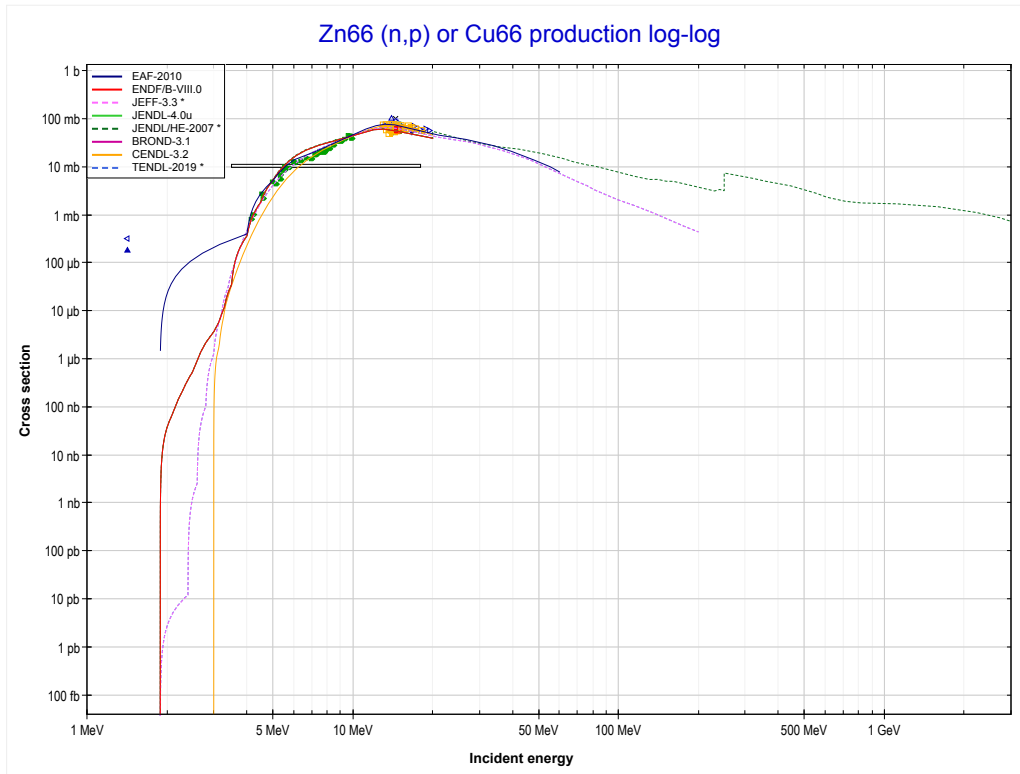
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24976E-4 b | 0.596024 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.3086E-4 b | 0.636283 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.1127E-4 b | 0.571348 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.3086E-4 b | 0.636283 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30384E-4 b | 0.634895 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.3086E-4 b | 0.636283 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.14031E-4 b | 0.61318 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.14294E-4 b | 0.578681 b |

| | | |
|----------------|---|----------------|
| << 30-Zn-64 | 30-Zn-66 | 30-Zn-67 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Zn67 production) | MT103 (n,p) >> |



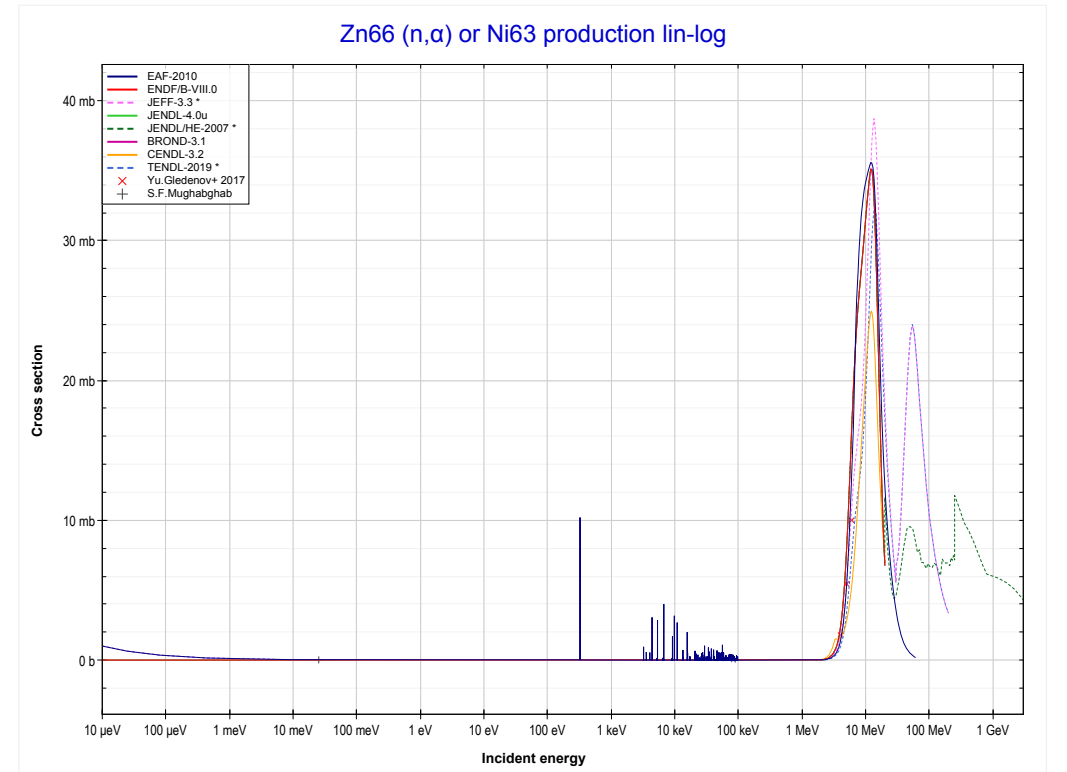
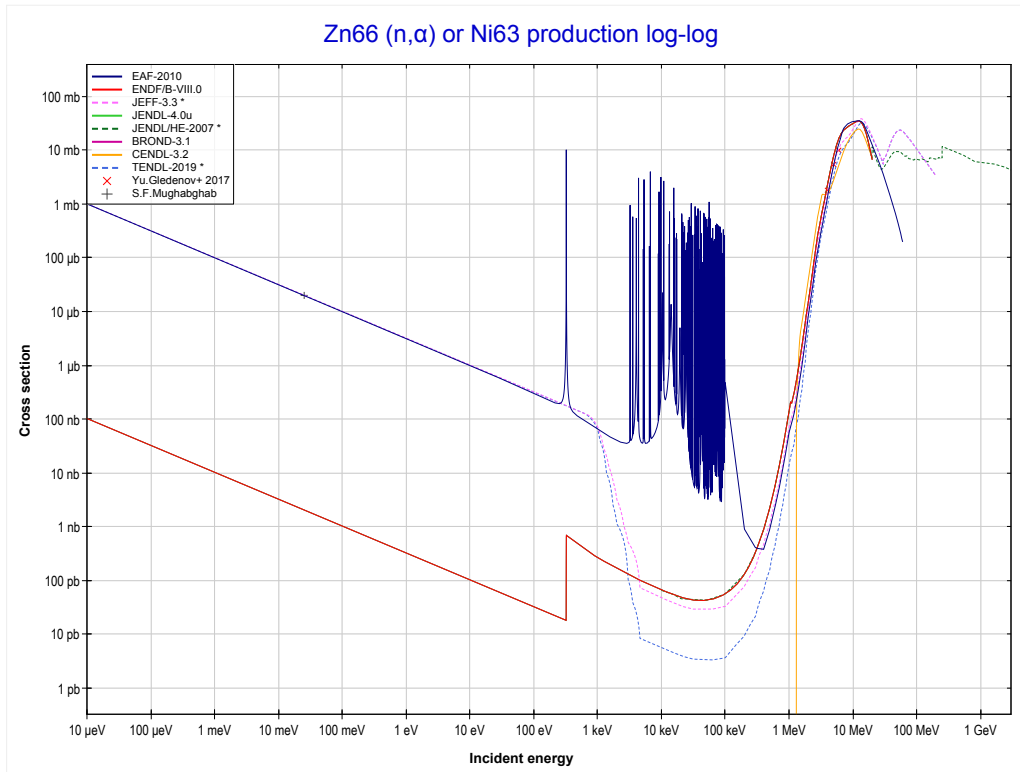
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.85504 b | 0.854399 b | 0.85439 b | 0.99999 | 0.996433 b | 0.00723872 b | 7.2E-4 b |
| ENDF/B-VIII.0 | 0.617978 b | 0.617978 b | 0.6182 b | 1.00036 | 0.907312 b | 0.0107656 b | 8.94614E-4 b |
| JEFF-3.3 | 0.622068 b | 0.622068 b | 0.62226 b | 1.00031 | 0.92404 b | 0.00839937 b | 0.00108018 b |
| JENDL-4.0u | 0.617978 b | 0.617978 b | 0.6182 b | 1.00036 | 0.907312 b | 0.0107656 b | 8.94614E-4 b |
| JENDL/HE-2007 | 0.617795 b | 0.617795 b | 0.61783 b | 1.00005 | 0.906757 b | 0.01087 b | 5.08451E-4 b |
| BROND-3.1 | 0.617978 b | 0.617978 b | 0.6182 b | 1.00036 | 0.907312 b | 0.0107659 b | 8.94614E-4 b |
| CENDL-3.2 | 0.617795 b | 0.617795 b | 0.61783 b | 1.00005 | 0.906757 b | 0.0103131 b | 0.001119 b |
| TENDL-2019 | 0.621534 b | 0.621534 b | 0.62156 b | 1.00005 | 0.914236 b | 0.00879496 b | 0.00107983 b |

| | | |
|-------------------------|---|-------------------------|
| << 30-Zn-64 | 30-Zn-66 | 30-Zn-67 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cu66 production) | MT107 (n, α) >> |



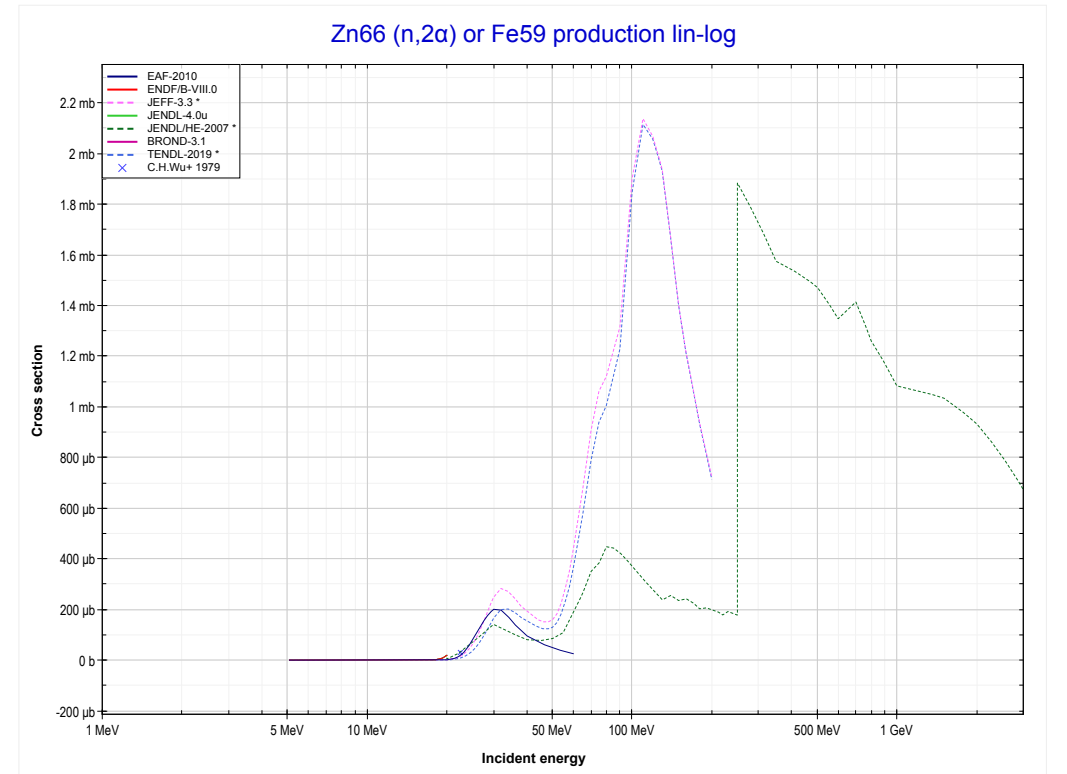
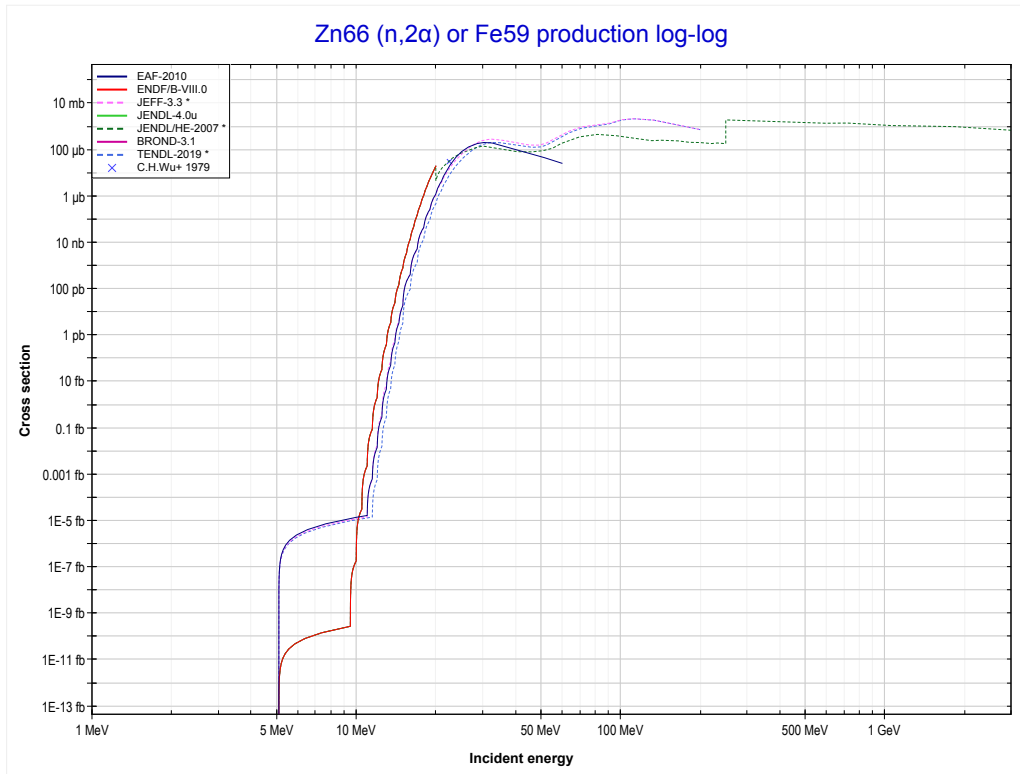
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00119185 b | 0.07667 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012497 b | 0.0584117 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00102987 b | 0.0657393 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012497 b | 0.0584117 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00128216 b | 0.0590329 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012497 b | 0.0584117 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.2521E-4 b | 0.0755162 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00103269 b | 0.0660692 b |

| | | |
|----------------|---|--------------------------|
| << 30-Zn-65 | 30-Zn-66 | 30-Zn-67 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ni63 production) | MT108 (n,2 α) >> |



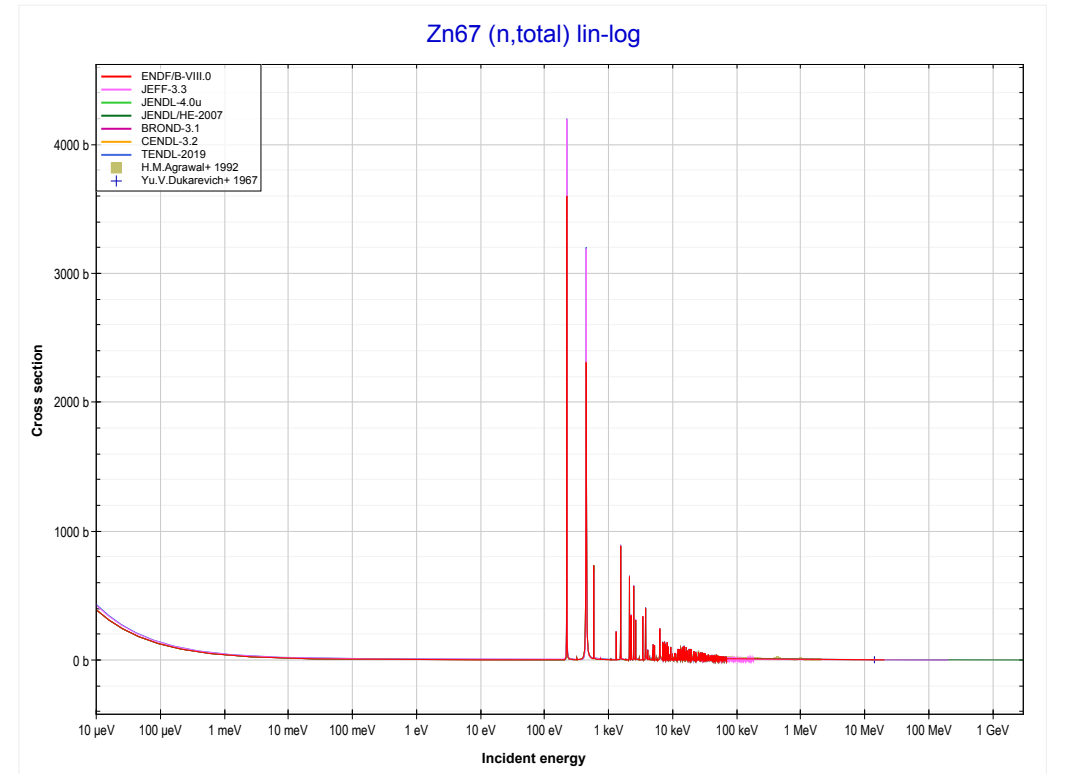
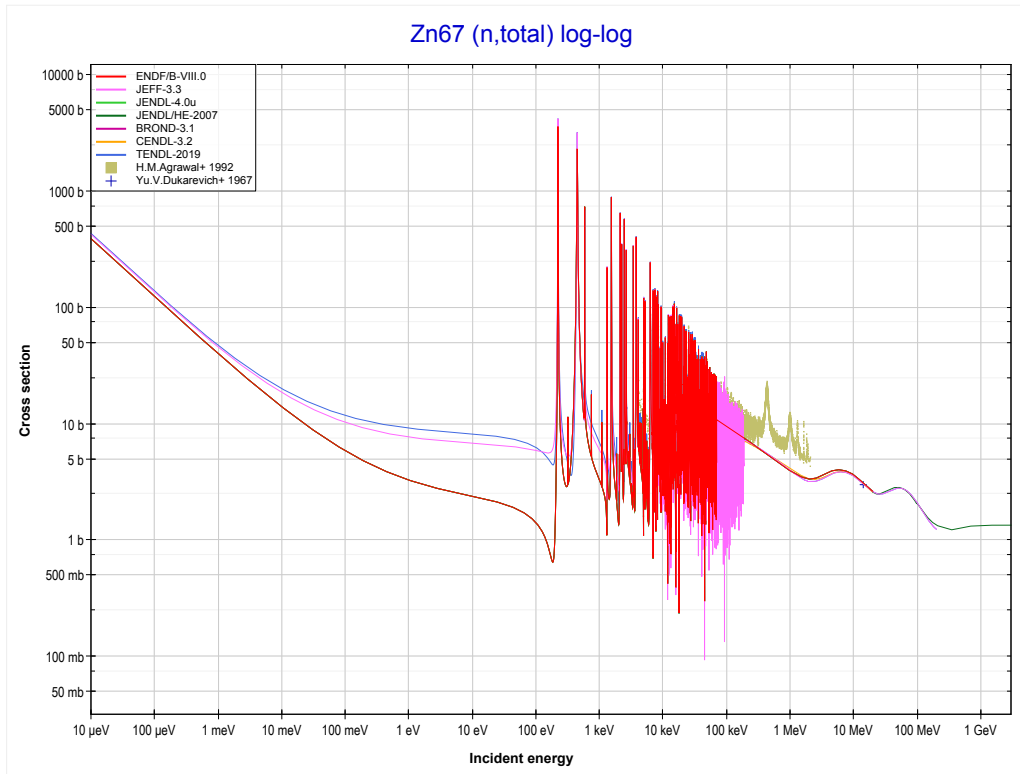
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2E-5 b | 1.9985E-5 b | 1.9985E-5 b | 0.99999 | 2.33073E-5 b | 0.00120862 b | 0.0331945 b |
| ENDF/B-VIII.0 | 2.04263E-9 b | 2.04263E-9 b | 2.0434E-9 b | 1.00036 | 1.8166E-9 b | 0.00143229 b | 0.0312818 b |
| JEFF-3.3 | 2.01037E-5 b | 2.01037E-5 b | 2.0093E-5 b | 0.99948 | 8.86306E-6 b | 9.79129E-4 b | 0.0381708 b |
| JENDL-4.0u | 2.04263E-9 b | 2.04263E-9 b | 2.0434E-9 b | 1.00036 | 1.8166E-9 b | 0.00143229 b | 0.0312818 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 8.82067E-11 b | 0.00143356 b | 0.0313182 b |
| BROND-3.1 | 2.04263E-9 b | 2.04263E-9 b | 2.0434E-9 b | 1.00036 | 1.8166E-9 b | 0.00143229 b | 0.0312818 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.3925E-4 b | 0.0217741 b |
| TENDL-2019 | 2.00697E-5 b | 2.00697E-5 b | 2.0054E-5 b | 0.99921 | 8.84041E-6 b | 6.68427E-4 b | 0.0322483 b |

| | | |
|-------------------------|--|---------------------------|
| << 27-Co-59 | 30-Zn-66 | 30-Zn-68 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Fe59 production) | 30-Zn-67 MT1 (n,total) >> |



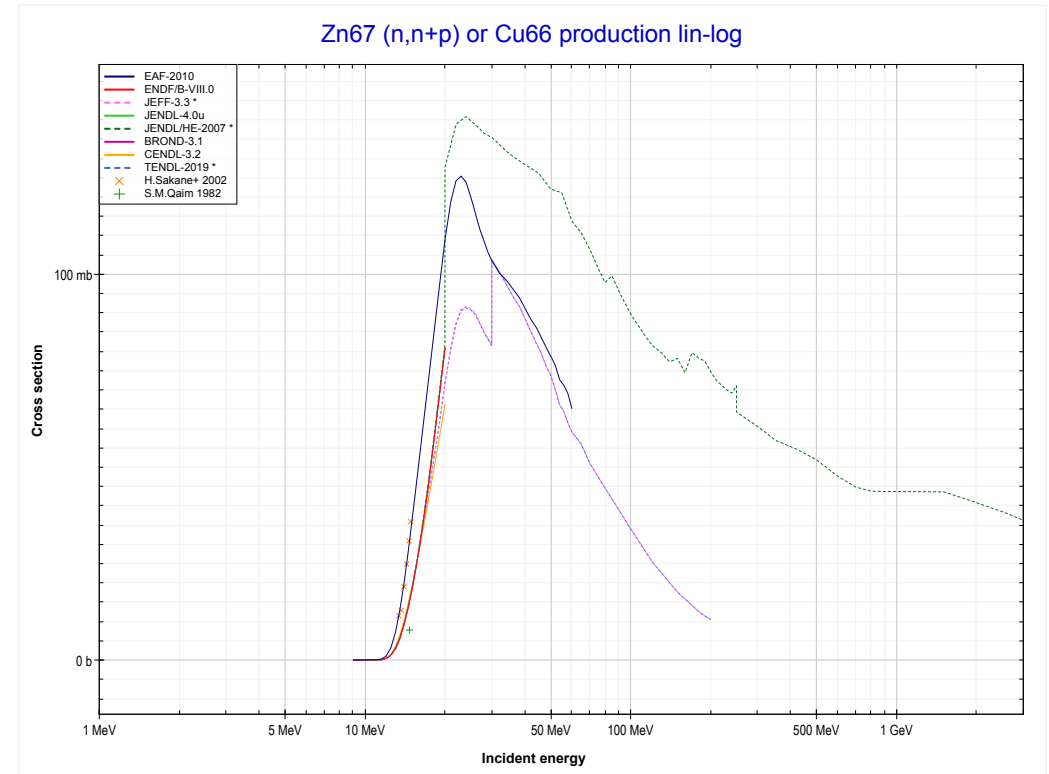
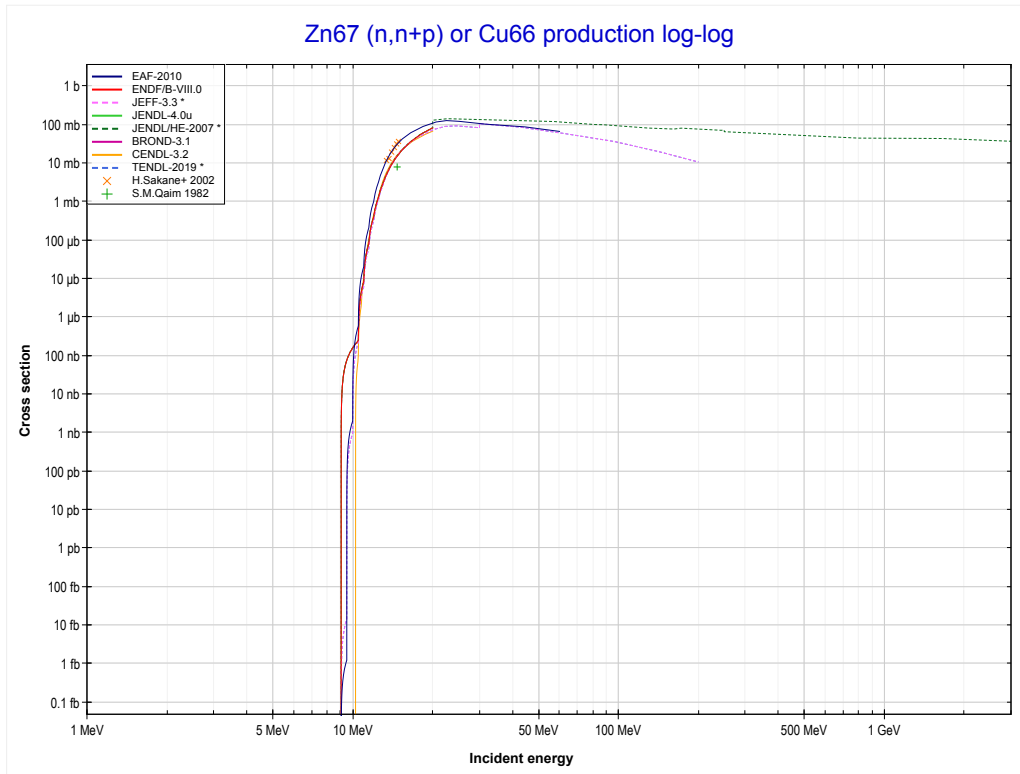
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14956E-11 b | 2.4556E-11 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.72245E-12 b | 6.31334E-13 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.14956E-11 b | 2.4556E-11 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.15195E-11 b | 2.4589E-11 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14956E-11 b | 2.4556E-11 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57649E-13 b | 5.2533E-14 b |

| | | |
|--------------------------|----------------------|-----------------|
| << 30-Zn-66 | 30-Zn-67 | 30-Zn-68 >> |
| << 30-Zn-66 MT108 (n,2α) | MT1 (n,total) | MT28 (n,n+p) >> |



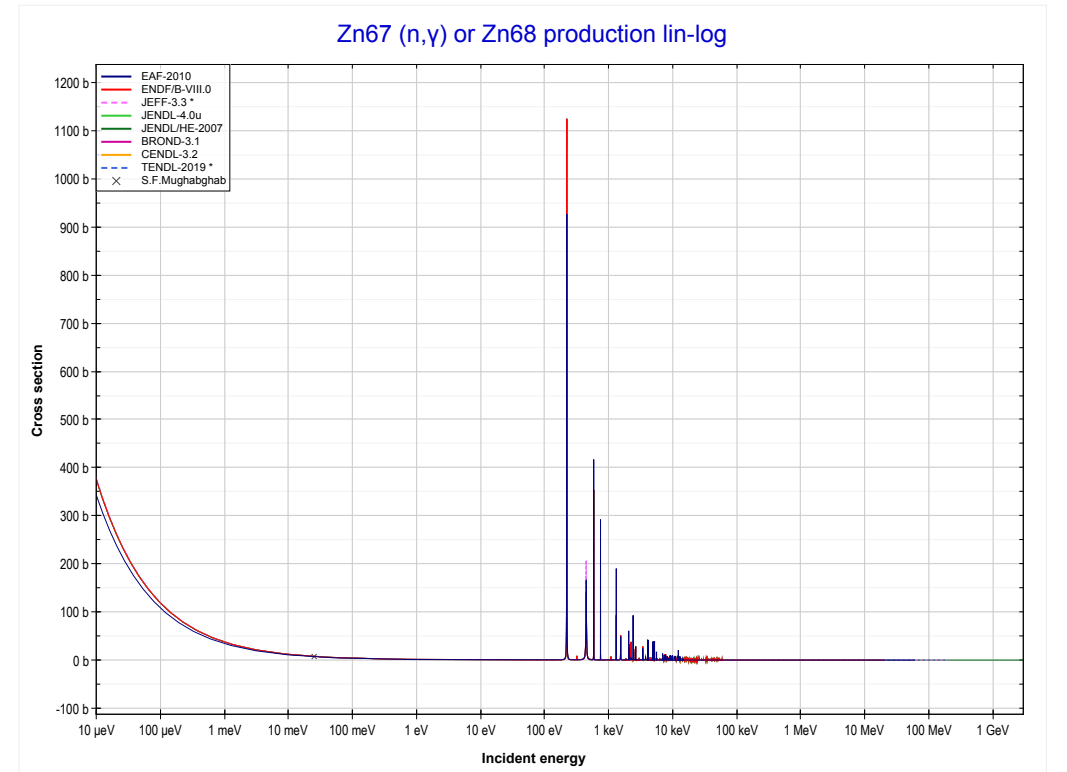
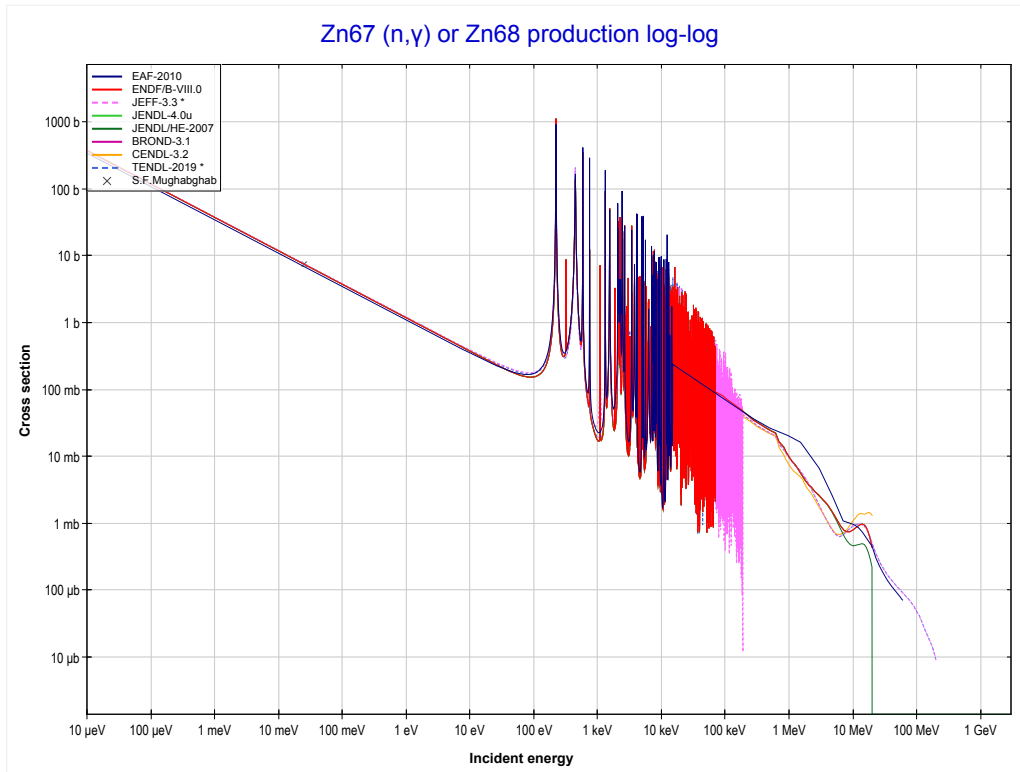
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.58277 b | 9.58277 b | 9.8557 b | 1.02849 | 206.702 b | 4.17548 b | 3.10019 b |
| JEFF-3.3 | 14.0565 b | 14.0565 b | 14.896 b | 1.0597 | 250.347 b | 3.97646 b | 3.06861 b |
| JENDL-4.0u | 9.58278 b | 9.58278 b | 9.8557 b | 1.02849 | 206.702 b | 4.17548 b | 3.10019 b |
| JENDL/HE-2007 | 9.58059 b | 9.58059 b | 9.8518 b | 1.02831 | 206.629 b | 4.17773 b | 3.10019 b |
| BROND-3.1 | 9.58278 b | 9.58278 b | 9.8557 b | 1.02849 | 206.702 b | 4.17548 b | 3.10019 b |
| CENDL-3.2 | 9.58074 b | 9.58074 b | 9.8519 b | 1.02831 | 206.157 b | 4.15881 b | 3.06799 b |
| TENDL-2019 | 15.5259 b | 15.5259 b | 16.557 b | 1.06642 | 267.291 b | 4.0962 b | 3.06867 b |

| | | |
|------------------|--|-------------------------|
| << 30-Zn-64 | 30-Zn-67 | 30-Zn-68 >> |
| << MT1 (n,total) | MT28 (n,n+p) or MT5 (Cu66 production) | MT102 (n, γ) >> |



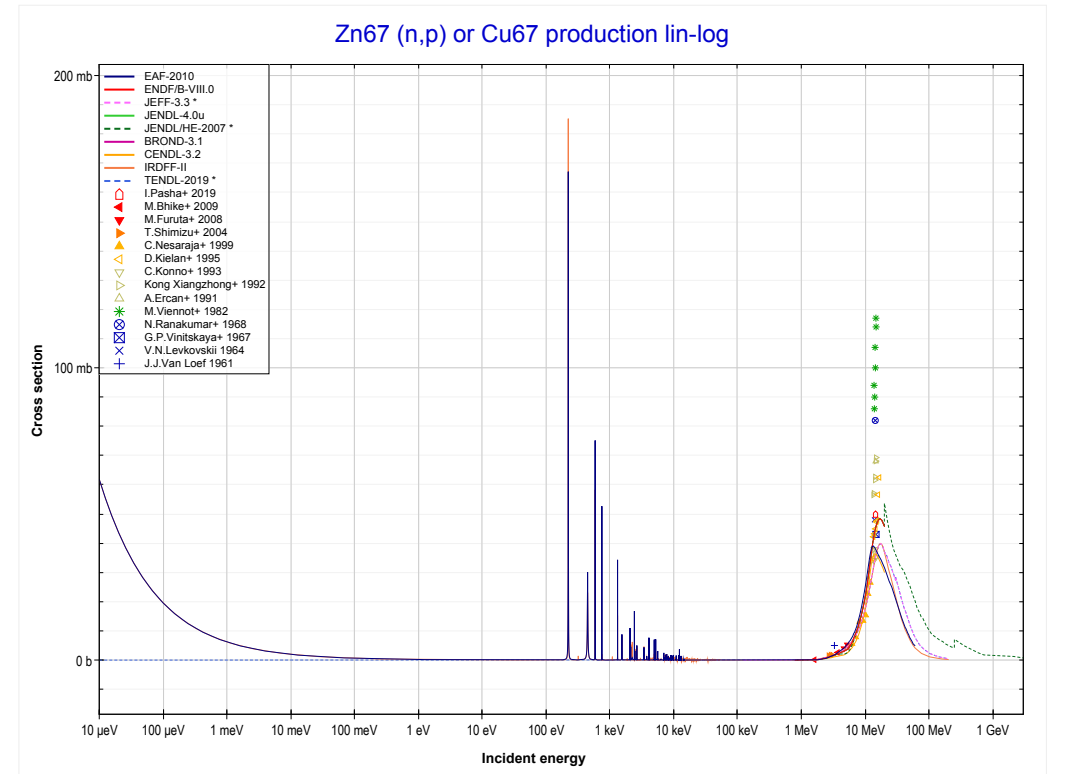
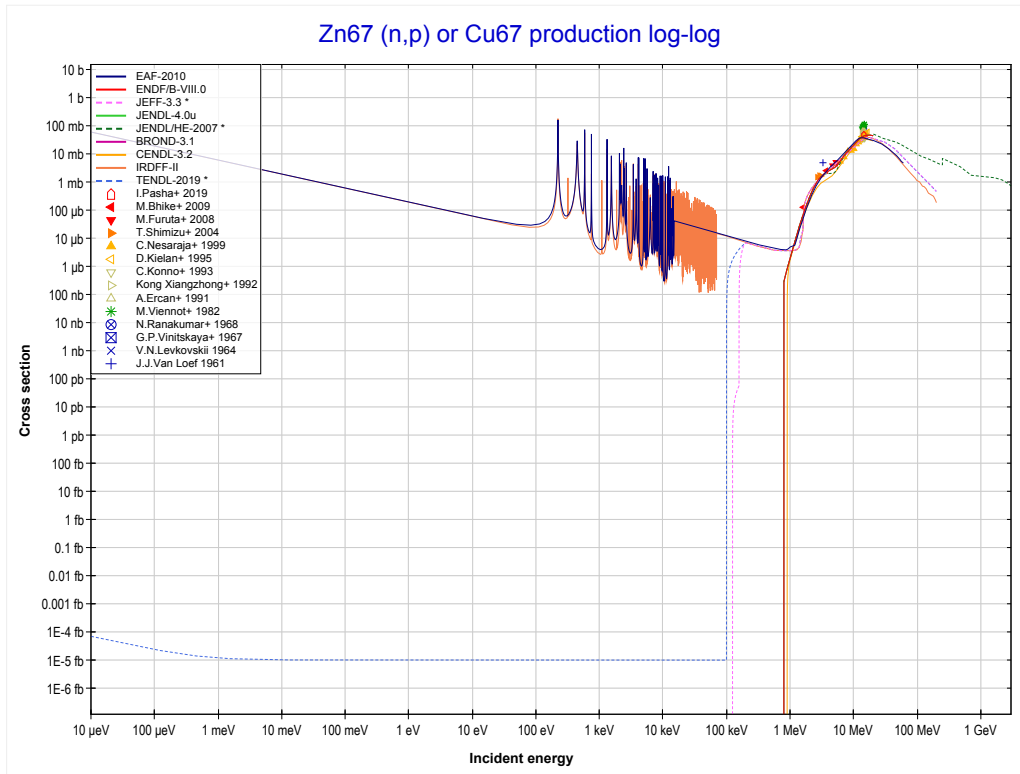
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67352E-6 b | 0.00896349 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.56356E-6 b | 0.00893328 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.67352E-6 b | 0.00896349 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.76906E-6 b | 0.00925961 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67352E-6 b | 0.00896349 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.76347E-6 b | 0.0099988 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.54963E-6 b | 0.00890181 b |

| | | |
|-----------------|---|----------------|
| << 30-Zn-66 | 30-Zn-67 | 30-Zn-68 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zn68 production) | MT103 (n,p) >> |



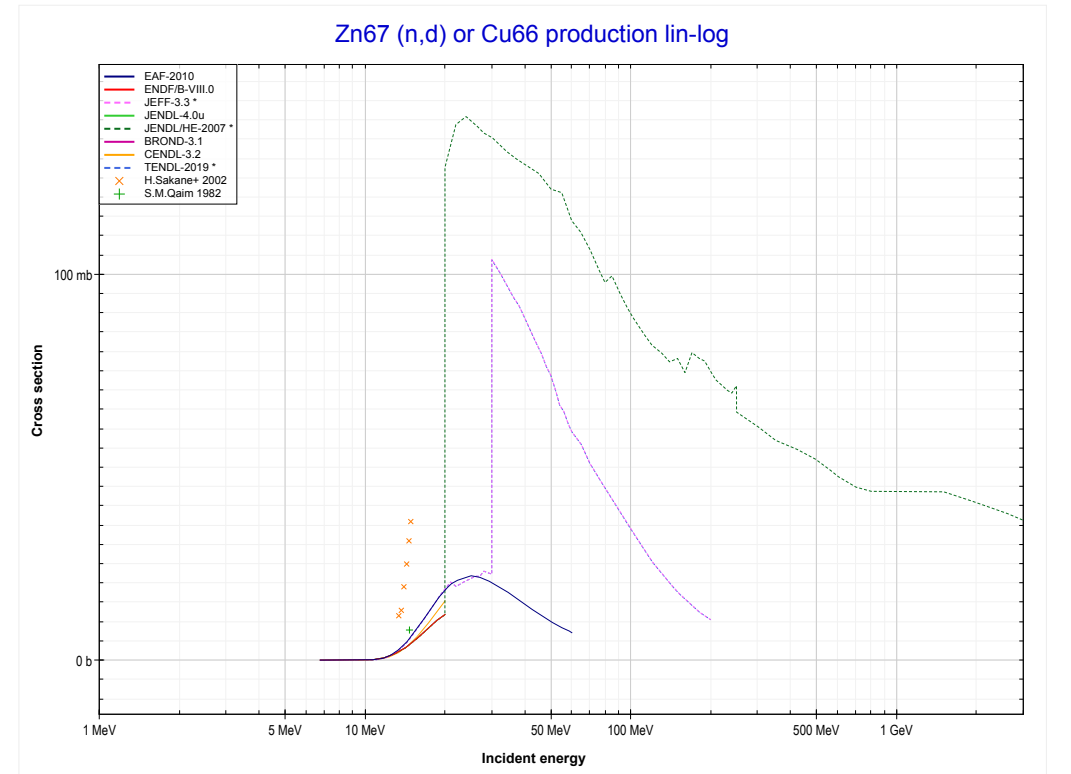
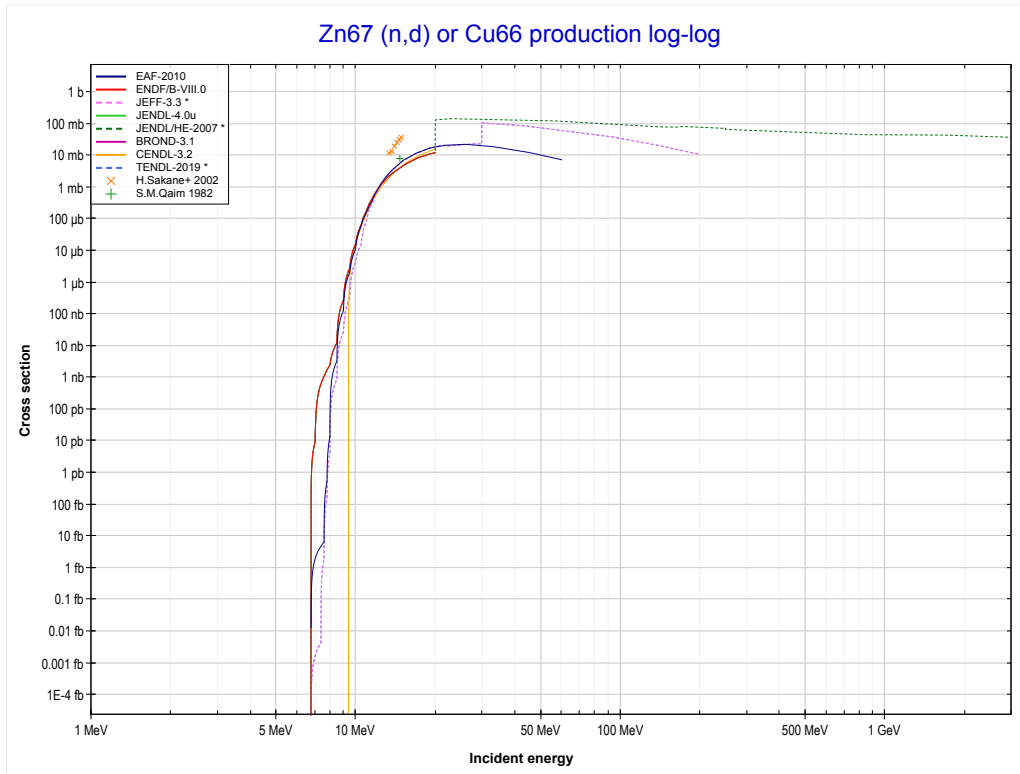
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.8209 b | 6.81579 b | 6.8159 b | 1.00002 | 24.2243 b | 0.0172485 b | 7.4E-4 b |
| ENDF/B-VIII.0 | 7.47164 b | 7.47164 b | 7.4739 b | 1.0003 | 24.2859 b | 0.0114043 b | 9.66457E-4 b |
| JEFF-3.3 | 7.53647 b | 7.53647 b | 7.539 b | 1.00033 | 25.5361 b | 0.00943737 b | 9.3787E-4 b |
| JENDL-4.0u | 7.47164 b | 7.47164 b | 7.4739 b | 1.0003 | 24.2859 b | 0.0114043 b | 9.66457E-4 b |
| JENDL/HE-2007 | 7.4696 b | 7.4696 b | 7.4699 b | 1.00004 | 24.2732 b | 0.011454 b | 4.9381E-4 b |
| BROND-3.1 | 7.47164 b | 7.47164 b | 7.4739 b | 1.0003 | 24.2859 b | 0.0114043 b | 9.66457E-4 b |
| CENDL-3.2 | 7.4696 b | 7.4696 b | 7.4699 b | 1.00004 | 24.2685 b | 0.00966777 b | 0.0013791 b |
| TENDL-2019 | 7.49674 b | 7.49674 b | 7.4973 b | 1.00007 | 25.4369 b | 0.0107985 b | 9.37282E-4 b |

| | | |
|-------------------------|---|----------------|
| << 30-Zn-66 | 30-Zn-67 | 30-Zn-68 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cu67 production) | MT104 (n,d) >> |



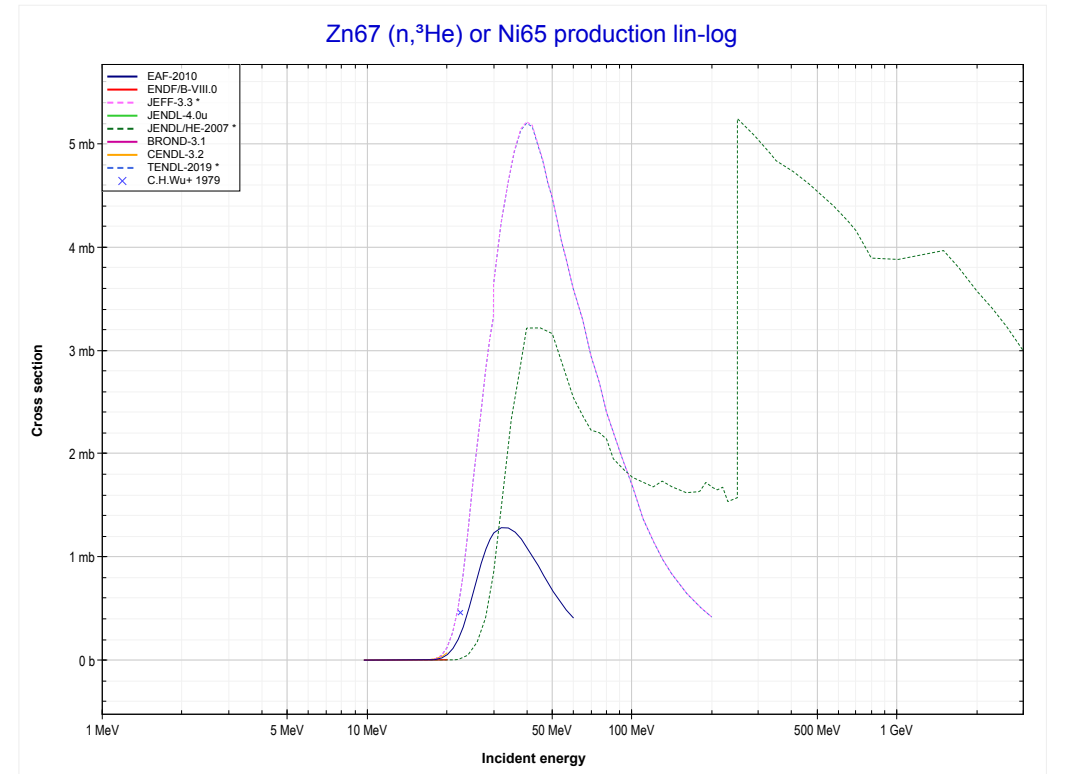
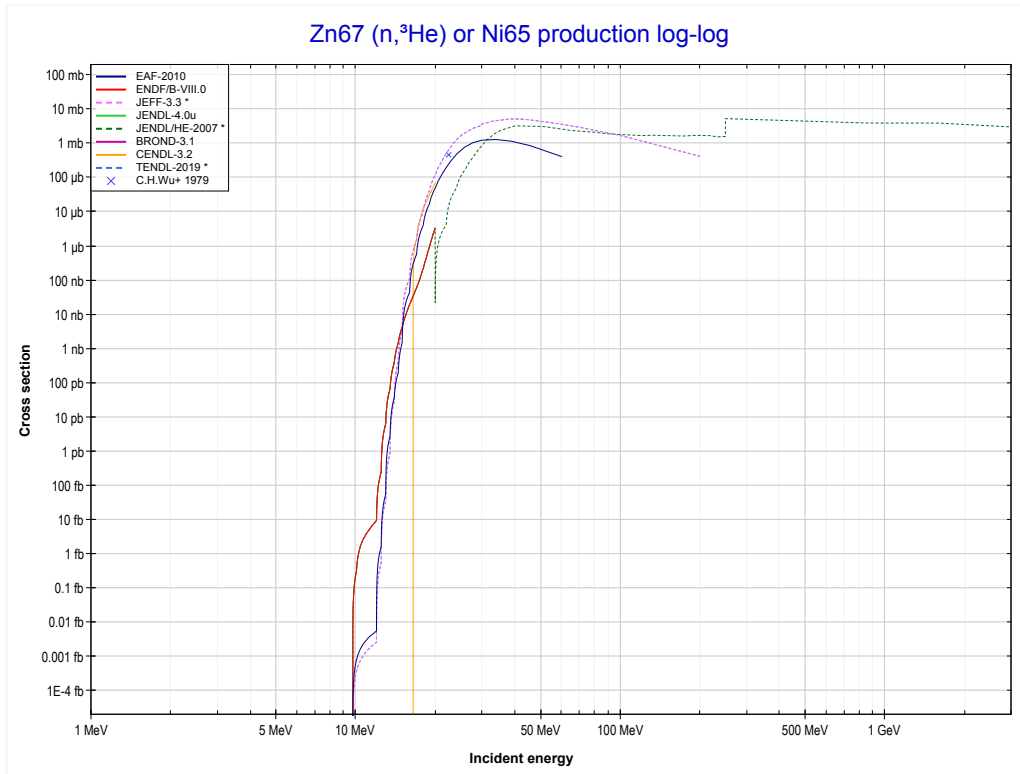
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.00123 b | 0.00122908 b | 0.0012291 b | 1.00002 | 0.00436831 b | 0.00111629 b | 0.038638 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.82698E-4 b | 0.043634 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00101 b | 0.0335877 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.82698E-4 b | 0.043634 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.74745E-4 b | 0.043882 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.82698E-4 b | 0.043634 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.41754E-4 b | 0.0364006 b |
| IRDF-2 | 0.00123 b | 0.00123 b | 0.0012306 b | 1.0005 | 0.00399601 b | 0.0010114 b | 0.0335553 b |
| TENDL-2019 | 1.0075E-20 b | 1.0075E-20 b | 1.1369E-20 b | 1.12846 | 1.55201E-14 b | 0.00101048 b | 0.0335877 b |

| | | |
|----------------|---|-------------------------------|
| << 29-Cu-65 | 30-Zn-67 | 30-Zn-68 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Cu66 production) | MT106 (n, ³ He) >> |



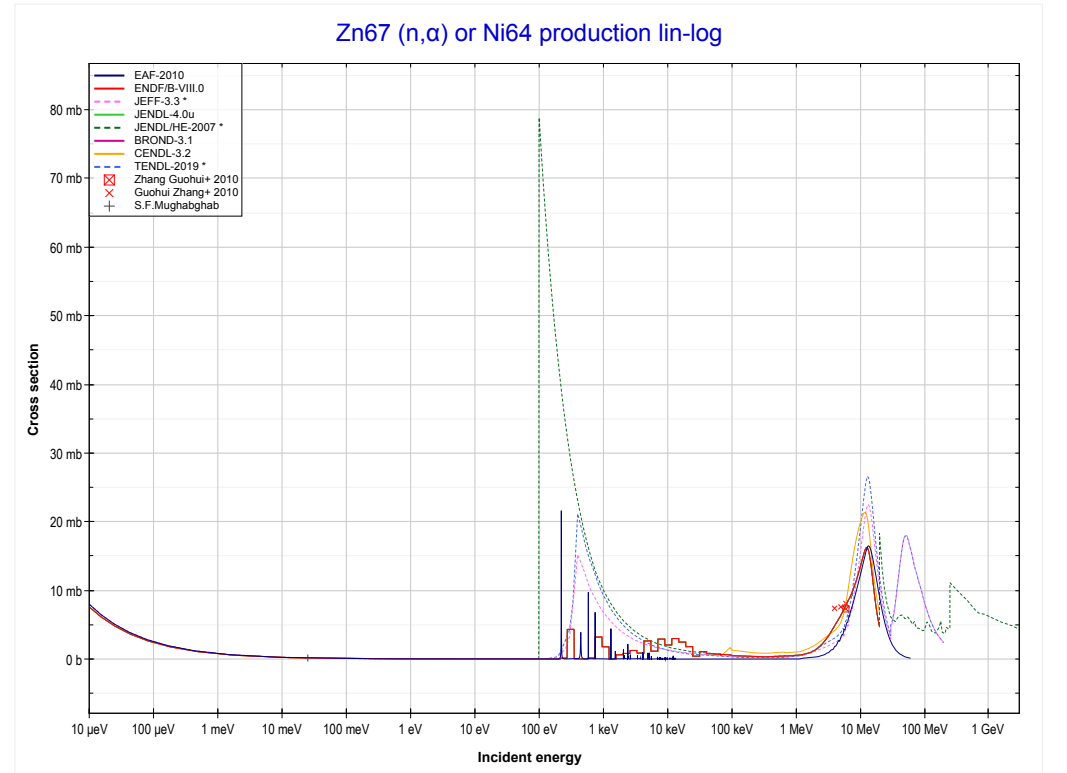
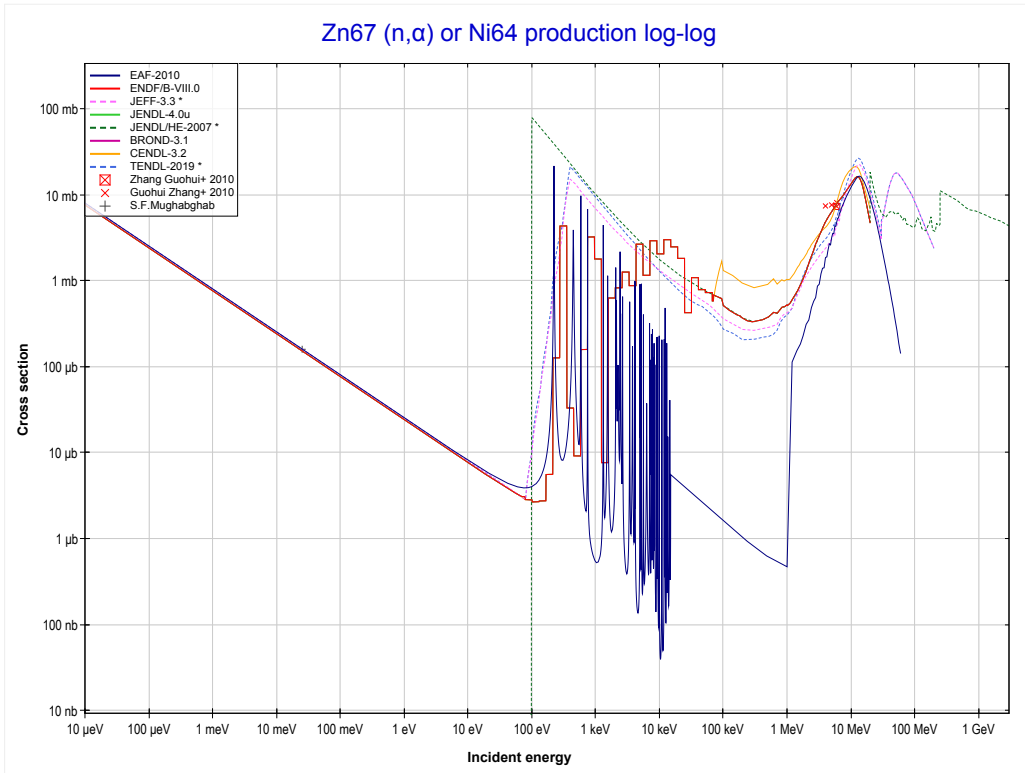
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74238E-6 b | 0.00390606 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.42403E-6 b | 0.00290502 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60576E-6 b | 0.00372338 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.42403E-6 b | 0.00290502 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41468E-6 b | 0.00286437 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.42403E-6 b | 0.00290502 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33426E-6 b | 0.00286448 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60547E-6 b | 0.00372282 b |

| | | |
|----------------|--|-------------------------|
| << 29-Cu-63 | 30-Zn-67 | 30-Zn-68 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ni65 production) | MT107 (n, α) >> |



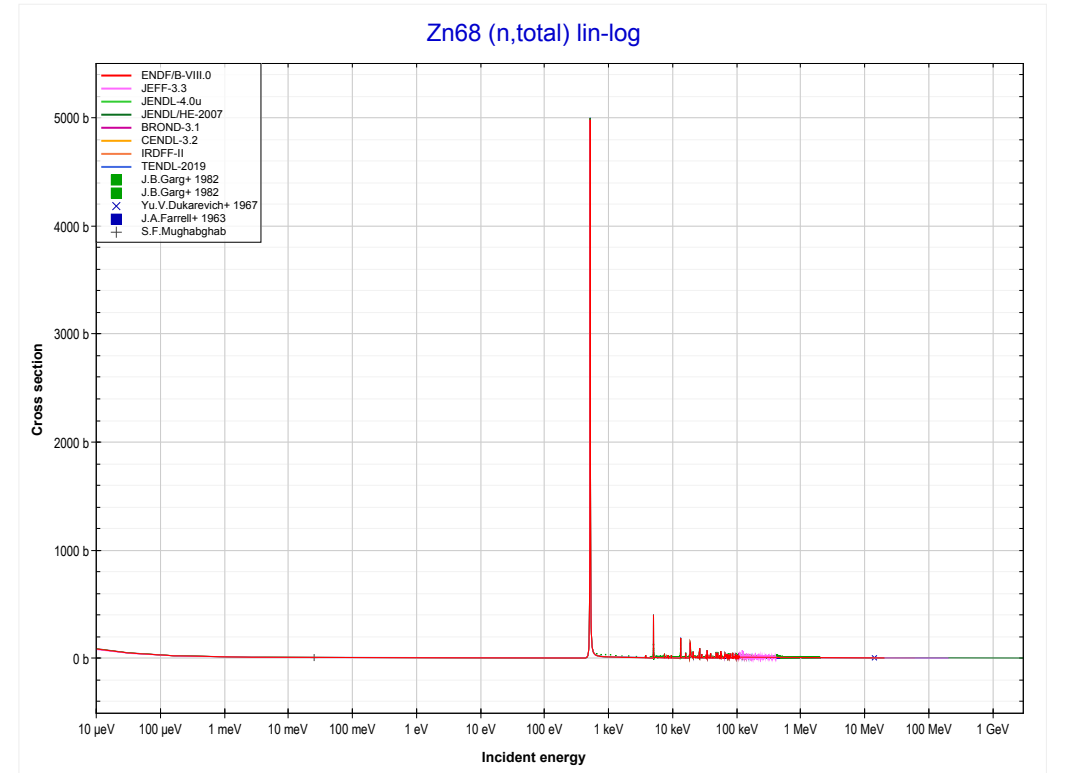
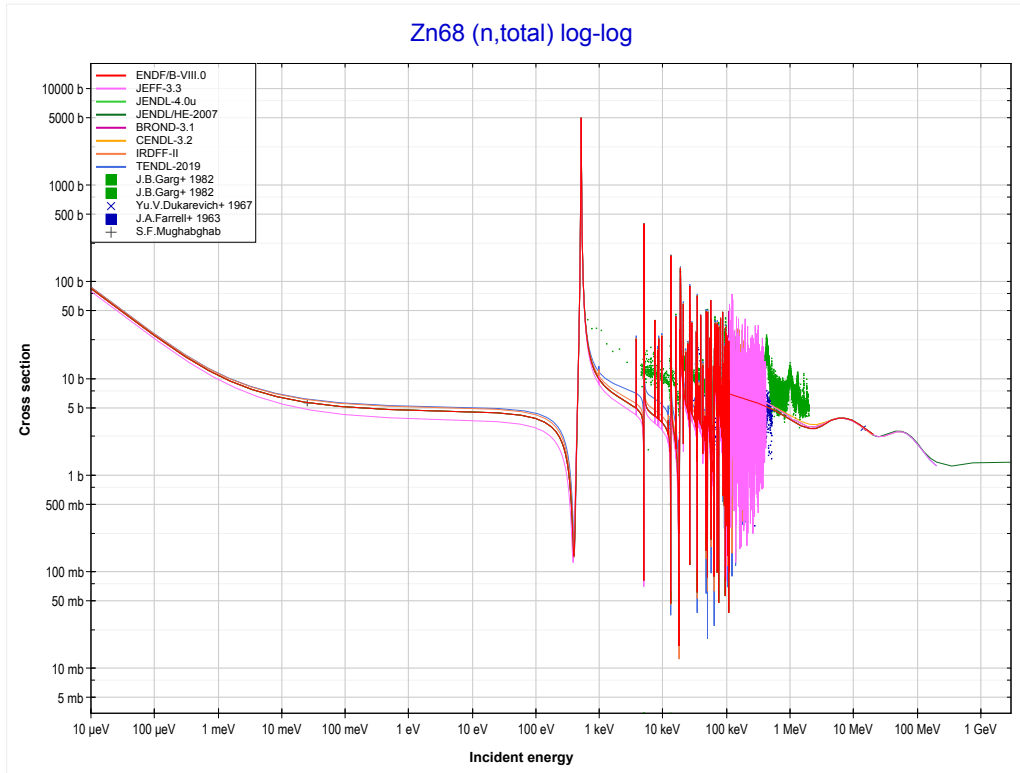
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05173E-10 b | 3.6054E-11 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.34104E-12 b | 3.78019E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55223E-10 b | 2.80725E-11 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.34105E-12 b | 3.7802E-10 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.35034E-12 b | 3.7865E-10 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.34105E-12 b | 3.7802E-10 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.91906E-10 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55228E-10 b | 2.8054E-11 b |

| | | |
|-------------------------------|---|---------------------------|
| << 30-Zn-66 | 30-Zn-67 | 30-Zn-68 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ni64 production) | 30-Zn-68 MT1 (n,total) >> |



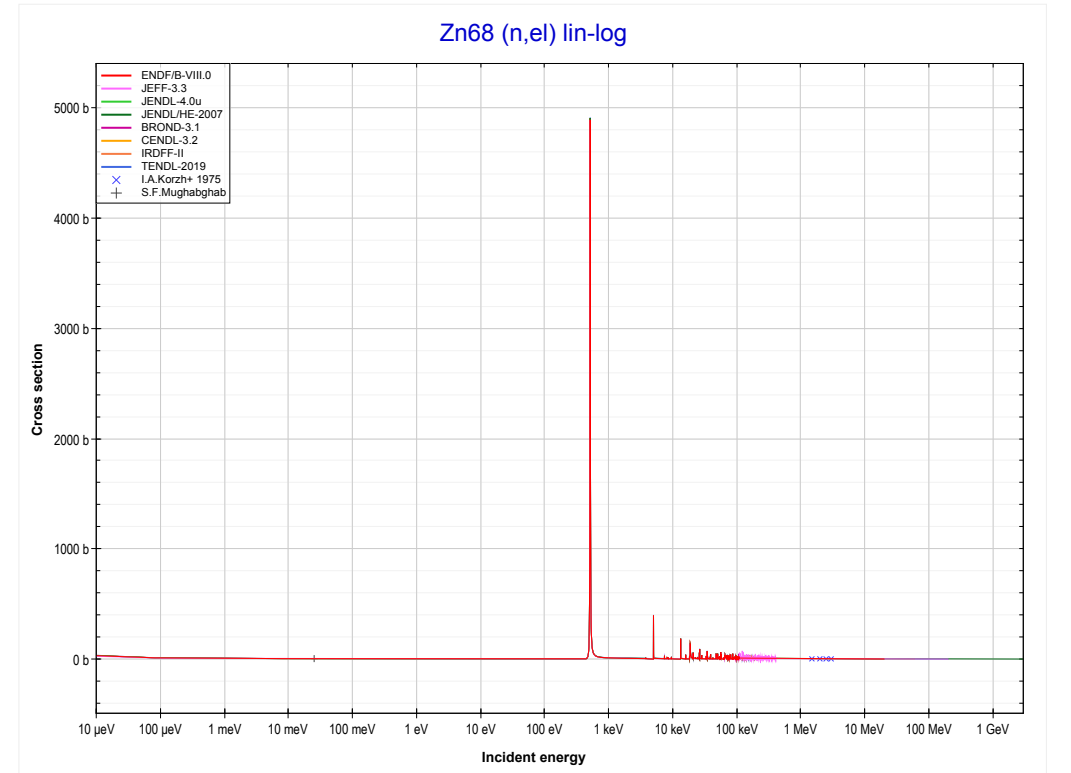
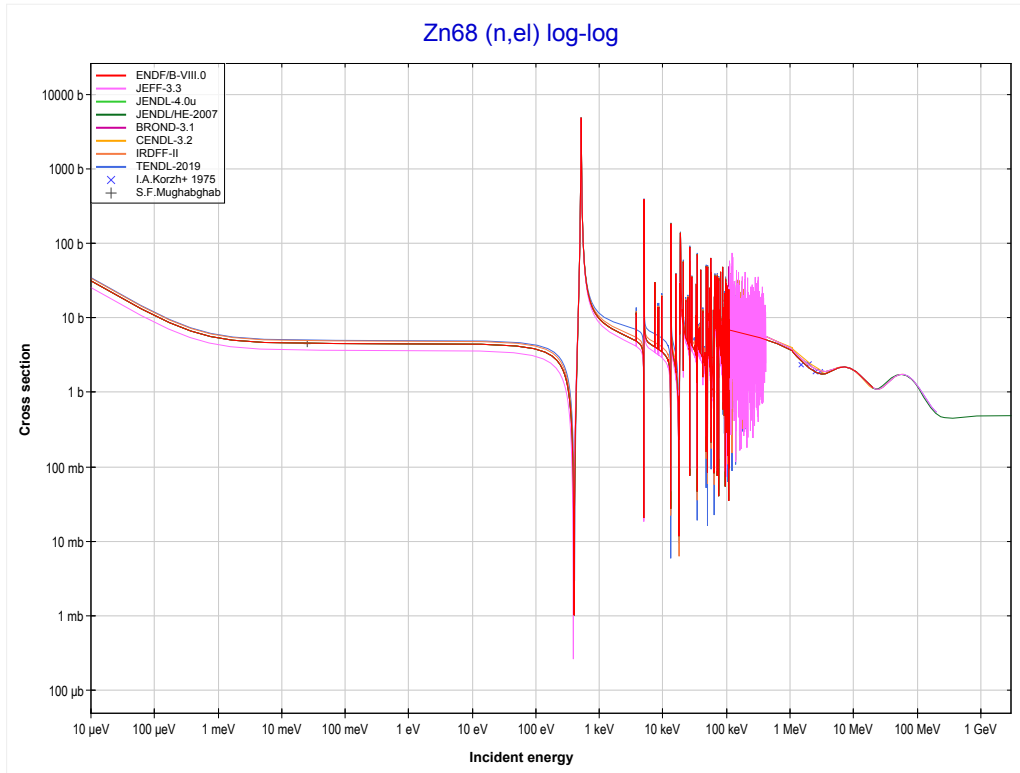
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.59E-4 b | 1.58881E-4 b | 1.5888E-4 b | 1.00002 | 5.64684E-4 b | 7.29277E-4 b | 0.0163866 b |
| ENDF/B-VIII.0 | 1.51062E-4 b | 1.51062E-4 b | 1.5111E-4 b | 1.00033 | 0.008408 b | 0.00193317 b | 0.0151525 b |
| JEFF-3.3 | 1.5933E-4 b | 1.5933E-4 b | 1.5938E-4 b | 1.00032 | 0.0221402 b | 0.00127219 b | 0.0222007 b |
| JENDL-4.0u | 1.51062E-4 b | 1.51062E-4 b | 1.5111E-4 b | 1.00032 | 0.008408 b | 0.00193317 b | 0.0151525 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.090923 b | 0.00193265 b | 0.015164 b |
| BROND-3.1 | 1.51062E-4 b | 1.51062E-4 b | 1.5111E-4 b | 1.00032 | 0.008408 b | 0.00193317 b | 0.0151525 b |
| CENDL-3.2 | 1.51022E-4 b | 1.51022E-4 b | 1.5103E-4 b | 1.00006 | 0.00859627 b | 0.00242072 b | 0.0181101 b |
| TENDL-2019 | 1.59503E-4 b | 1.59503E-4 b | 1.5935E-4 b | 0.99903 | 0.0283983 b | 0.00154147 b | 0.0258431 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 30-Zn-67 | 30-Zn-68 | 30-Zn-70 >> |
| << 30-Zn-67 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



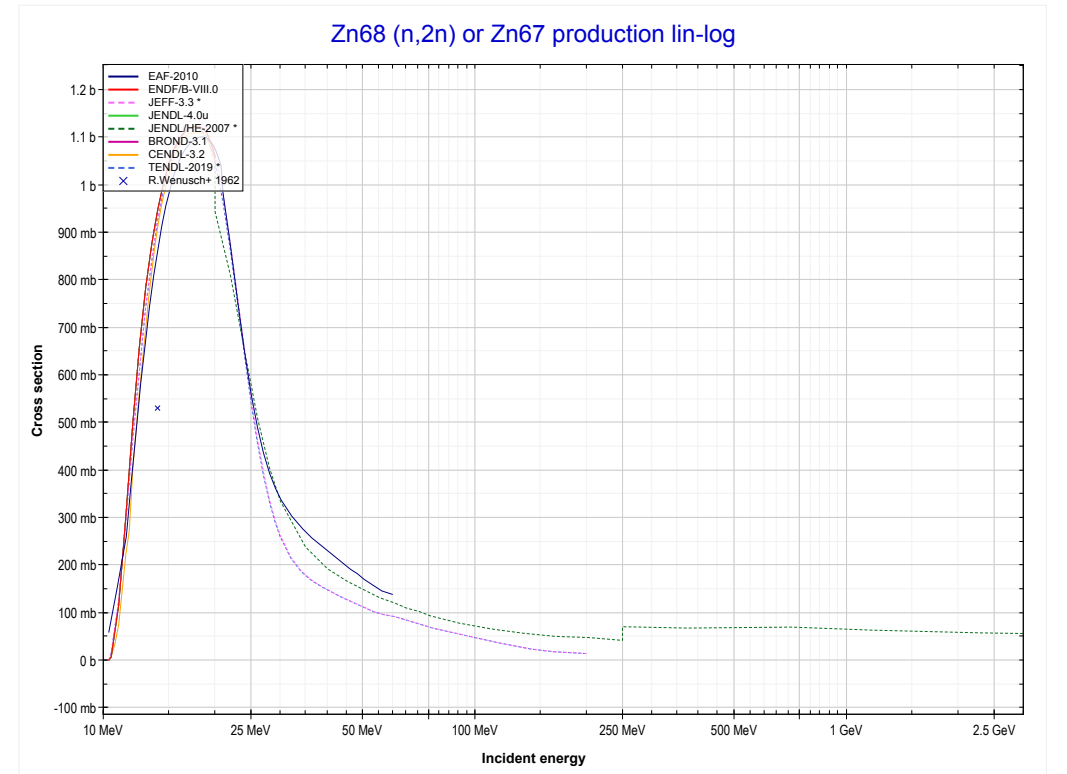
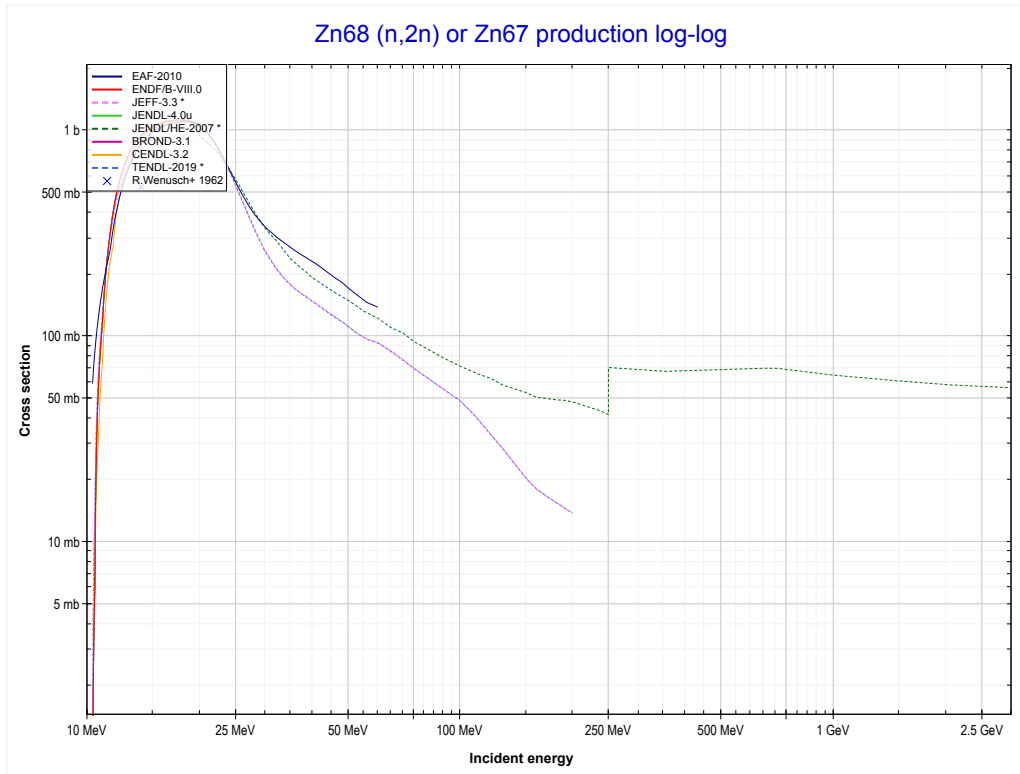
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.61877 b | 5.61877 b | 6.2035 b | 1.10406 | 194.899 b | 3.79715 b | 3.14325 b |
| JEFF-3.3 | 4.76547 b | 4.76547 b | 5.2397 b | 1.09952 | 185.319 b | 4.08871 b | 3.09844 b |
| JENDL-4.0u | 5.61877 b | 5.61877 b | 6.2035 b | 1.10406 | 194.899 b | 3.79715 b | 3.14325 b |
| JENDL/HE-2007 | 5.61846 b | 5.61846 b | 6.2031 b | 1.10406 | 194.821 b | 3.80446 b | 3.14325 b |
| BROND-3.1 | 5.61877 b | 5.61877 b | 6.2035 b | 1.10406 | 194.899 b | 3.79716 b | 3.14325 b |
| CENDL-3.2 | 5.61846 b | 5.61846 b | 6.2031 b | 1.10406 | 194.822 b | 4.11606 b | 3.08474 b |
| IRDFF-II | 6.01103 b | 6.01103 b | 6.6472 b | 1.10583 | 200.66 b | 4.04265 b | 3.09846 b |
| TENDL-2019 | 6.0948 b | 6.0948 b | 6.7401 b | 1.10588 | 206.776 b | 4.04452 b | 3.09846 b |

| | | |
|------------------|------------------------|----------------|
| << 30-Zn-66 | 30-Zn-68 | 30-Zn-70 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



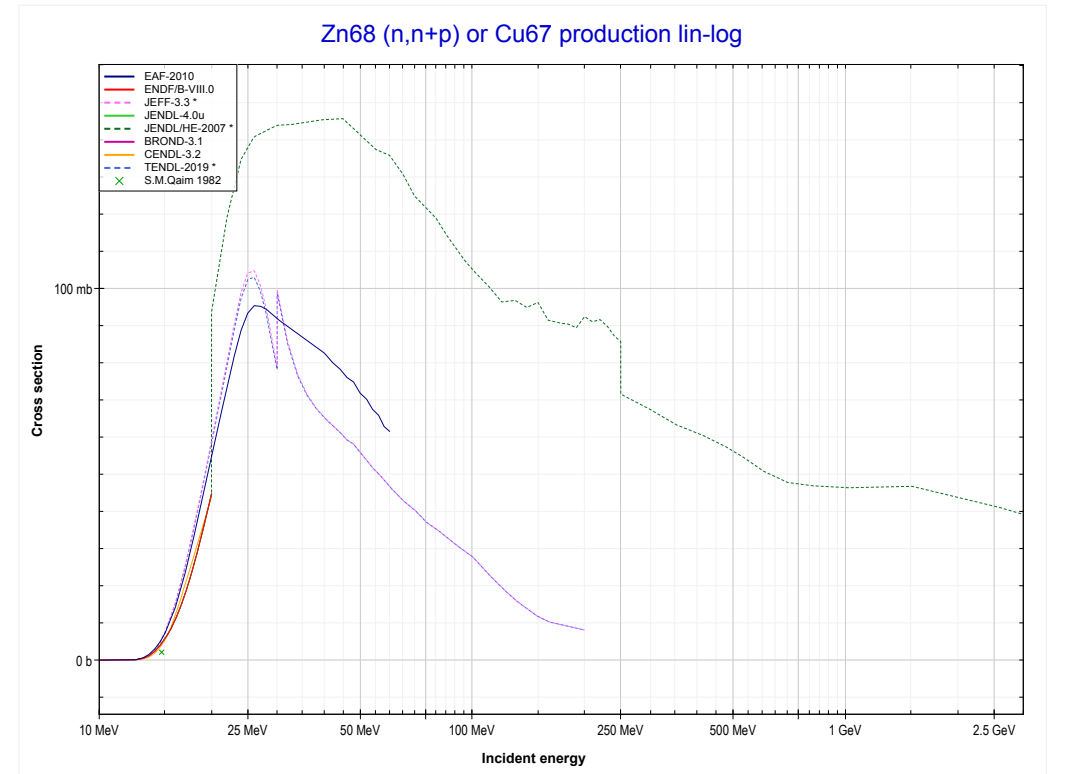
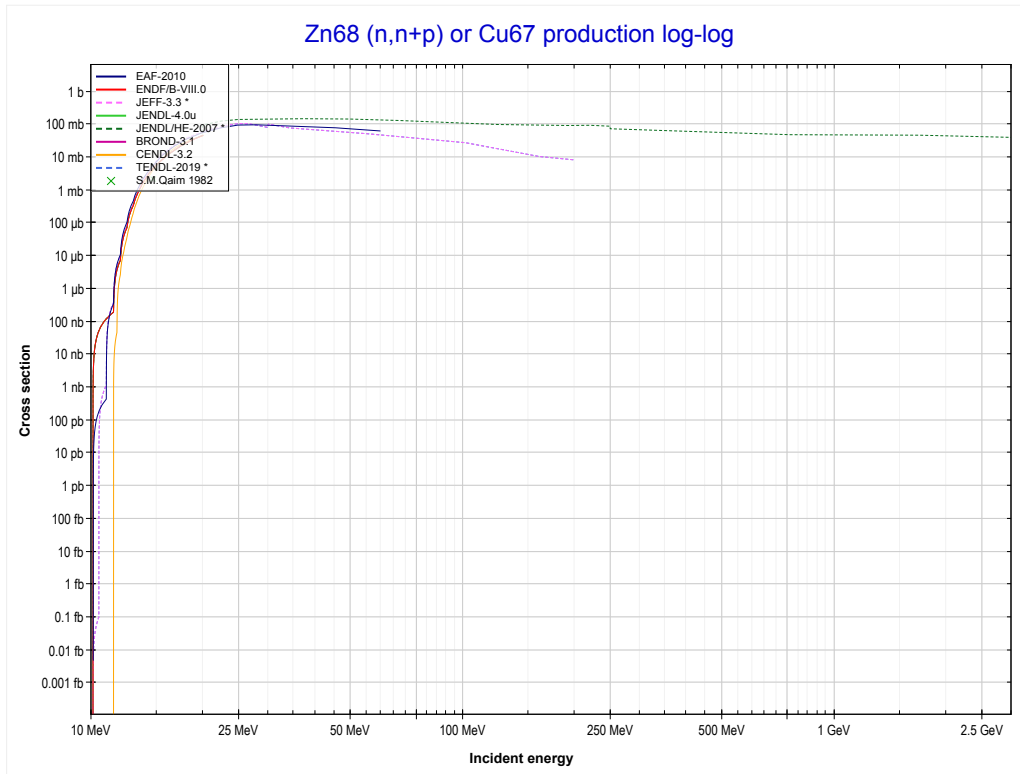
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.55338 b | 4.55338 b | 5.1377 b | 1.12832 | 191.839 b | 3.08629 b | 1.56997 b |
| JEFF-3.3 | 3.69325 b | 3.69325 b | 4.1671 b | 1.12831 | 182.236 b | 3.40482 b | 1.55826 b |
| JENDL-4.0u | 4.55338 b | 4.55338 b | 5.1377 b | 1.12832 | 191.839 b | 3.08629 b | 1.56997 b |
| JENDL/HE-2007 | 4.55338 b | 4.55338 b | 5.138 b | 1.12838 | 191.752 b | 3.09436 b | 1.56996 b |
| BROND-3.1 | 4.55338 b | 4.55338 b | 5.1377 b | 1.12832 | 191.839 b | 3.08629 b | 1.56997 b |
| CENDL-3.2 | 4.55338 b | 4.55338 b | 5.138 b | 1.12838 | 191.752 b | 3.41039 b | 1.5102 b |
| IRDFF-II | 4.94125 b | 4.94125 b | 5.577 b | 1.12866 | 197.567 b | 3.35909 b | 1.55826 b |
| TENDL-2019 | 5.02521 b | 5.02521 b | 5.6704 b | 1.12839 | 203.685 b | 3.36094 b | 1.55826 b |

| | | |
|--------------------|---|-----------------|
| << 30-Zn-66 | 30-Zn-68 | 30-Zn-70 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zn67 production) | MT28 (n,n+p) >> |



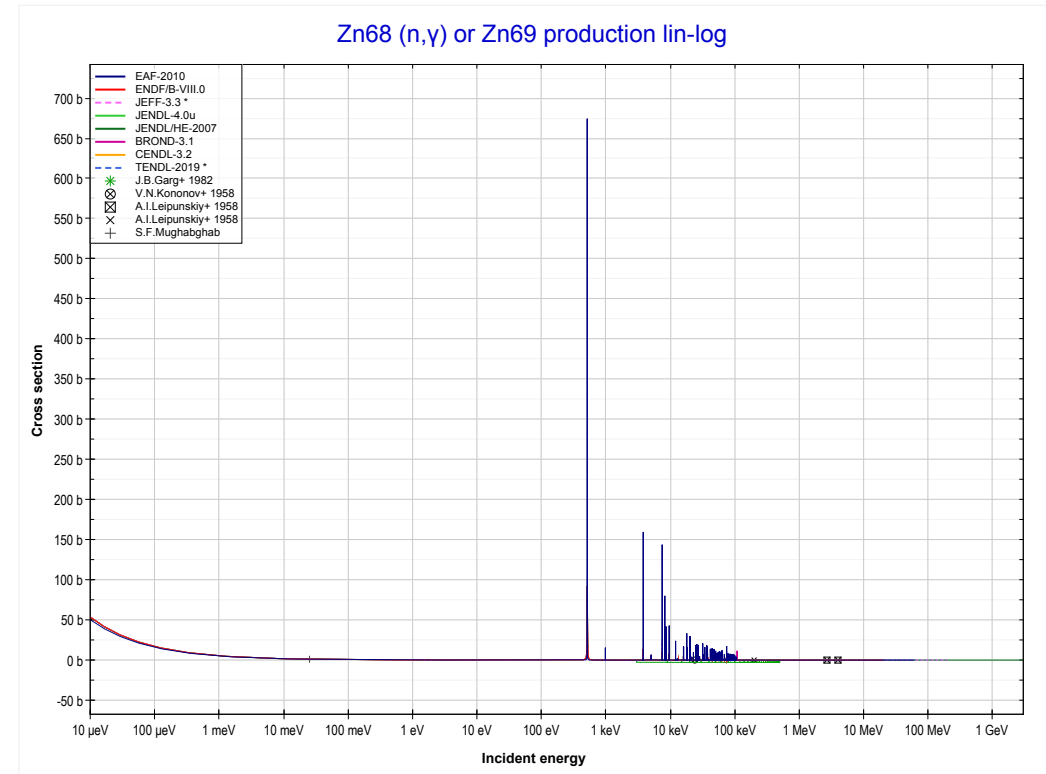
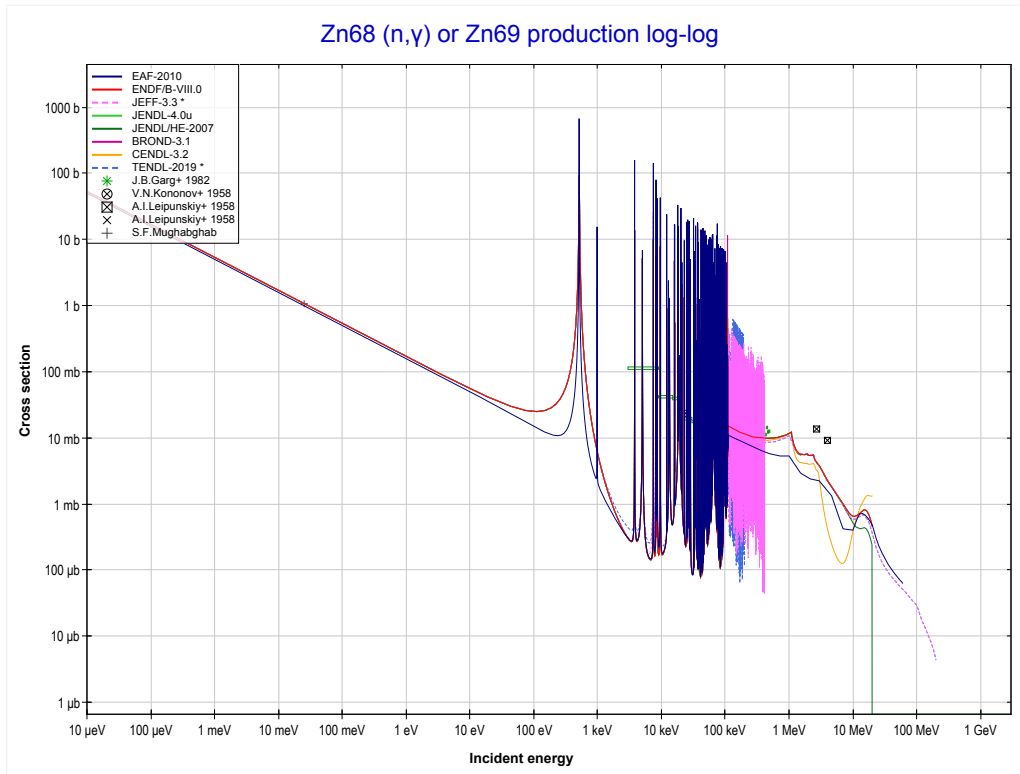
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99627E-4 b | 0.857755 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.47442E-4 b | 0.945687 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.34209E-4 b | 0.929303 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.47442E-4 b | 0.945687 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.46975E-4 b | 0.945202 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.47442E-4 b | 0.945687 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.6599E-4 b | 0.90933 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.30679E-4 b | 0.921935 b |

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|----------------|--|-------------------------|
| << 30-Zn-67 | 30-Zn-68 | 32-Ge-74 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Cu67 production) | MT102 (n, γ) >> |



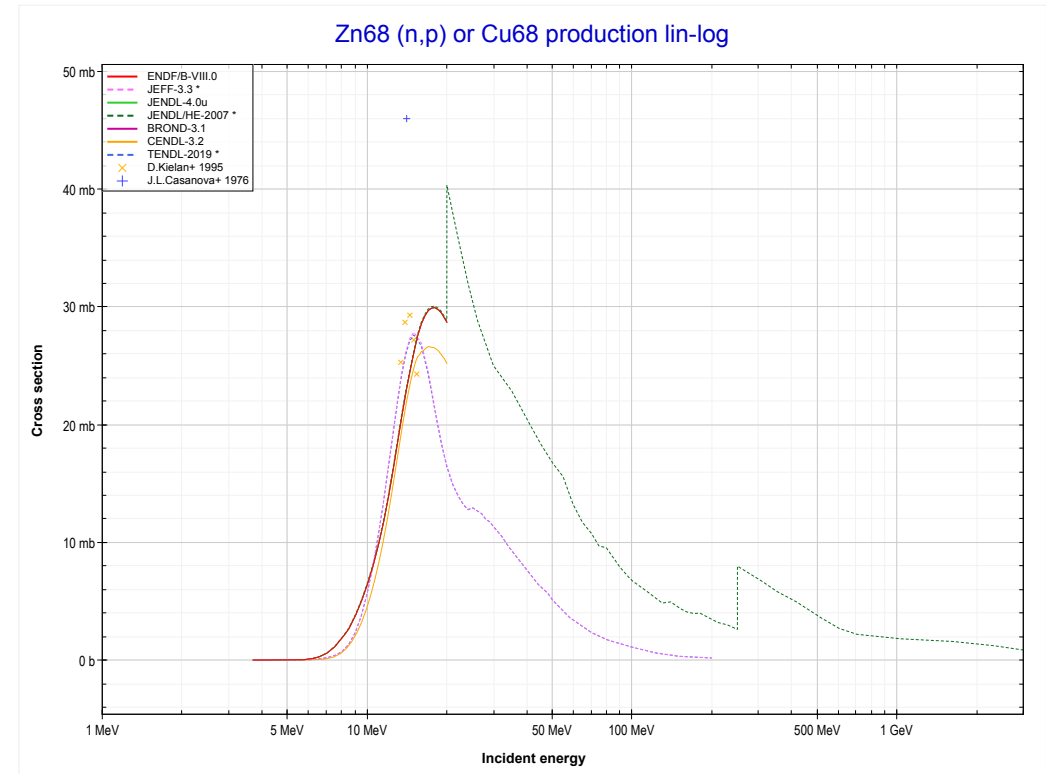
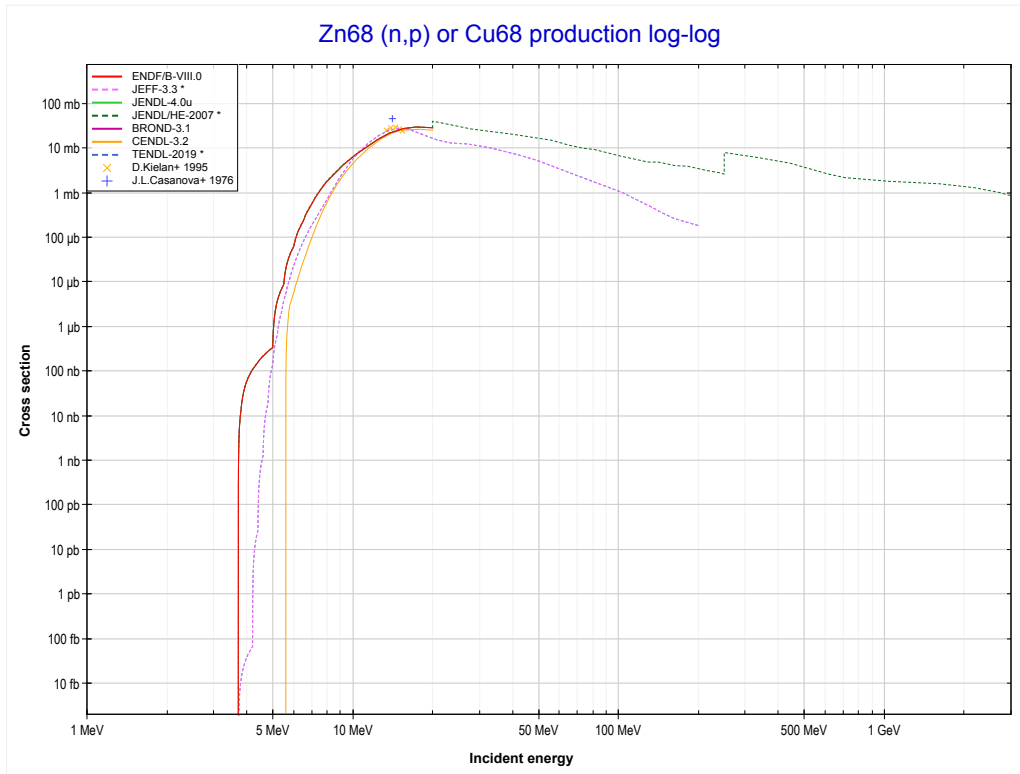
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13302E-6 b | 0.00209316 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49817E-6 b | 0.00239381 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.13302E-6 b | 0.00209316 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1413E-6 b | 0.00214798 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13302E-6 b | 0.00209316 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11192E-6 b | 0.0016295 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4844E-6 b | 0.00237918 b |

| | | |
|-----------------|---|----------------|
| << 30-Zn-67 | 30-Zn-68 | 30-Zn-70 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zn69 production) | MT103 (n,p) >> |



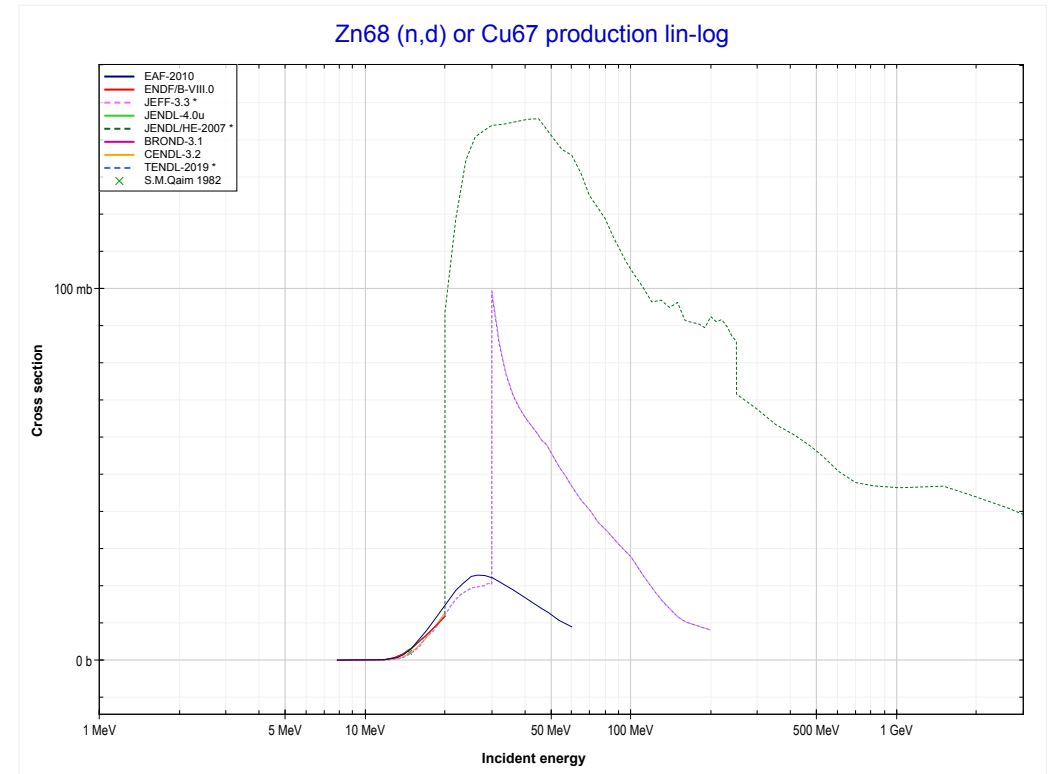
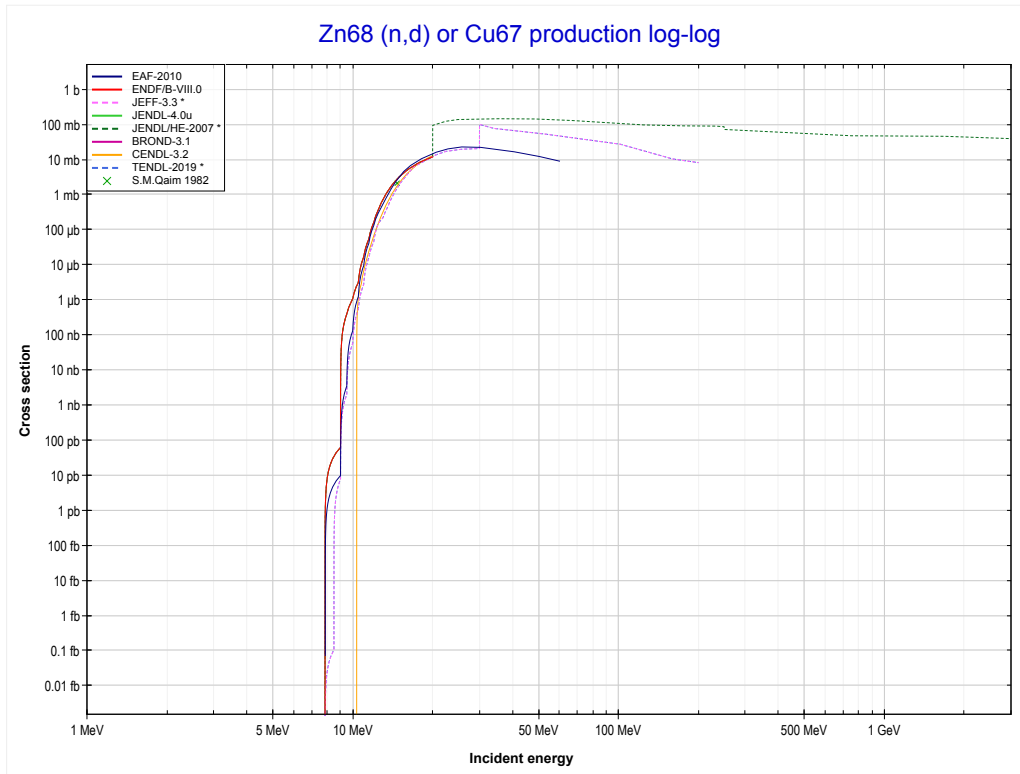
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.0009 b | 1.00015 b | 1.0002 b | 1.00002 | 2.96101 b | 0.00374049 b | 7.2E-4 b |
| ENDF/B-VIII.0 | 1.06539 b | 1.06539 b | 1.0658 b | 1.00041 | 3.0598 b | 0.00675619 b | 7.80283E-4 b |
| JEFF-3.3 | 1.07221 b | 1.07221 b | 1.0726 b | 1.00034 | 3.08291 b | 0.00610463 b | 6.73859E-4 b |
| JENDL-4.0u | 1.06539 b | 1.06539 b | 1.0658 b | 1.00041 | 3.0598 b | 0.00675619 b | 7.80283E-4 b |
| JENDL/HE-2007 | 1.06508 b | 1.06508 b | 1.0652 b | 1.00009 | 3.05736 b | 0.00676951 b | 4.31911E-4 b |
| BROND-3.1 | 1.06539 b | 1.06539 b | 1.0658 b | 1.00041 | 3.0598 b | 0.00675618 b | 7.80283E-4 b |
| CENDL-3.2 | 1.06508 b | 1.06508 b | 1.0652 b | 1.00009 | 3.05736 b | 0.00564568 b | 0.0010377 b |
| TENDL-2019 | 1.06959 b | 1.06959 b | 1.0697 b | 1.00009 | 3.07996 b | 0.00621527 b | 6.68583E-4 b |

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|-------------------------|---|----------------|
| << 30-Zn-67 | 30-Zn-68 | 30-Zn-70 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cu68 production) | MT104 (n,d) >> |



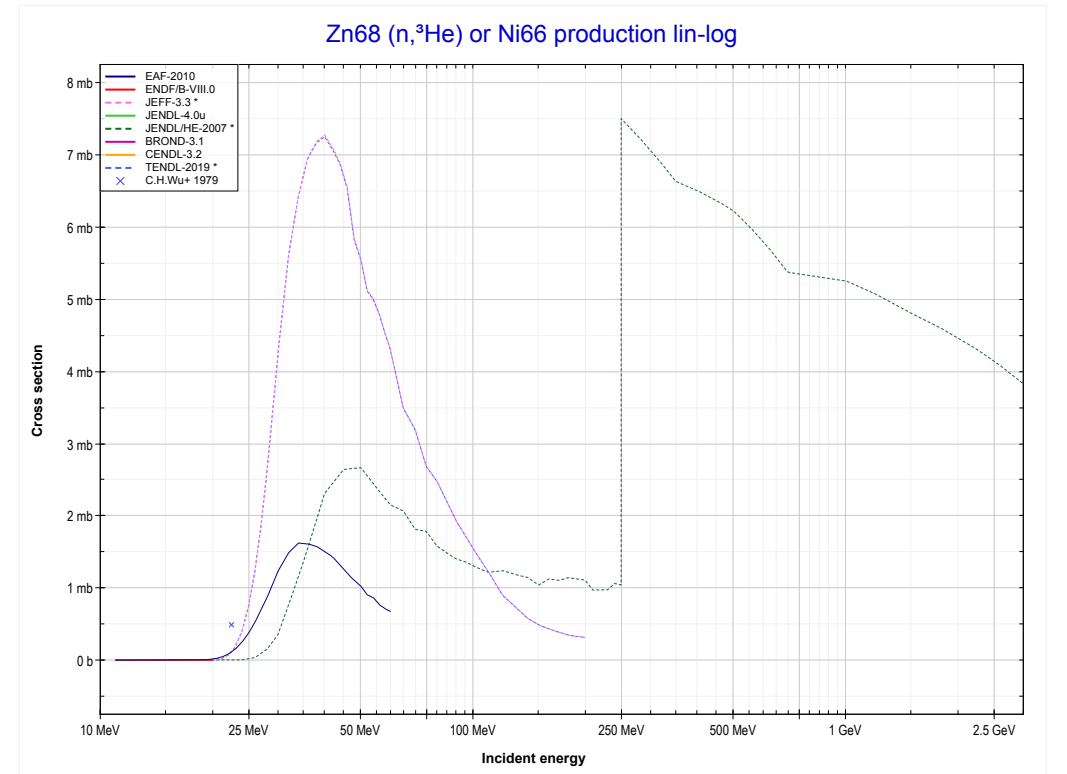
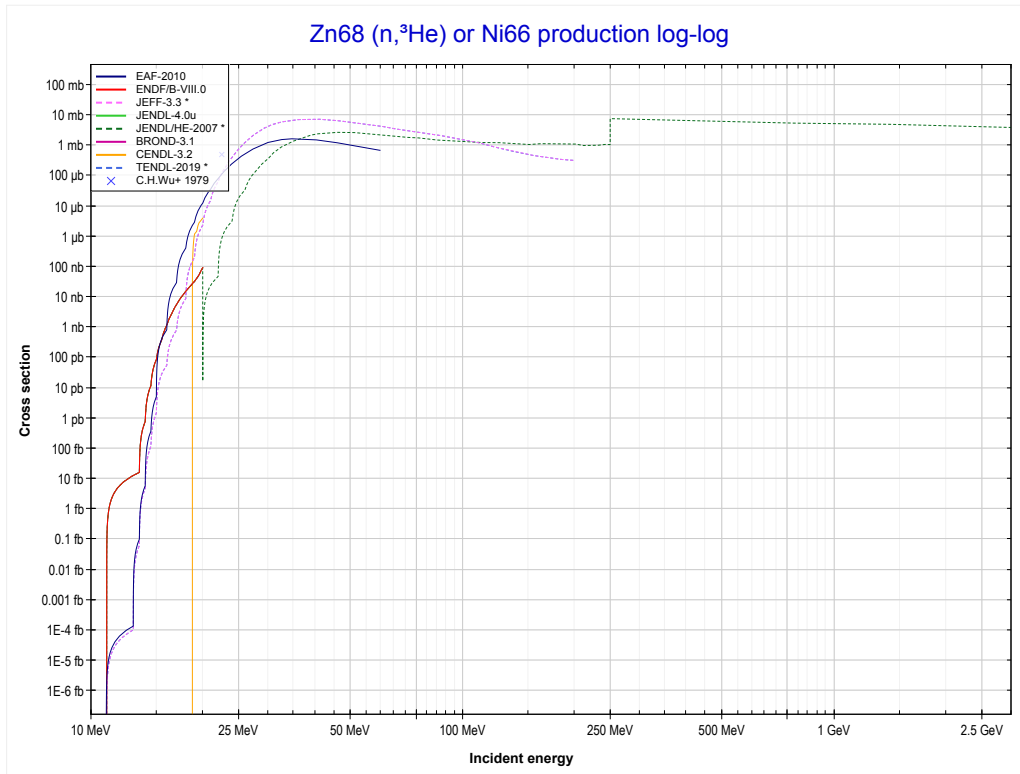
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.47825E-5 b | 0.0227234 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.15423E-5 b | 0.0261973 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.47825E-5 b | 0.0227234 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.59872E-5 b | 0.022932 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.47825E-5 b | 0.0227234 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28553E-5 b | 0.0216304 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13617E-5 b | 0.0260138 b |

| | | |
|----------------|---|-------------------------------|
| << 30-Zn-67 | 30-Zn-68 | 34-Se-77 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Cu67 production) | MT106 (n, ³ He) >> |



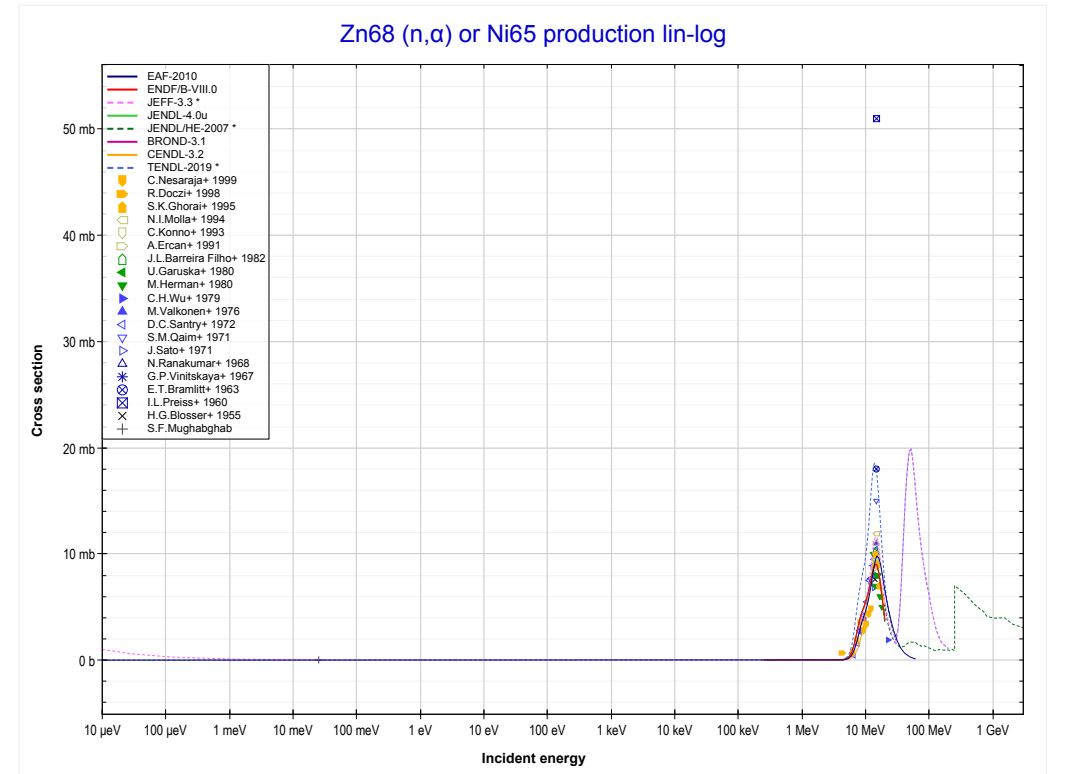
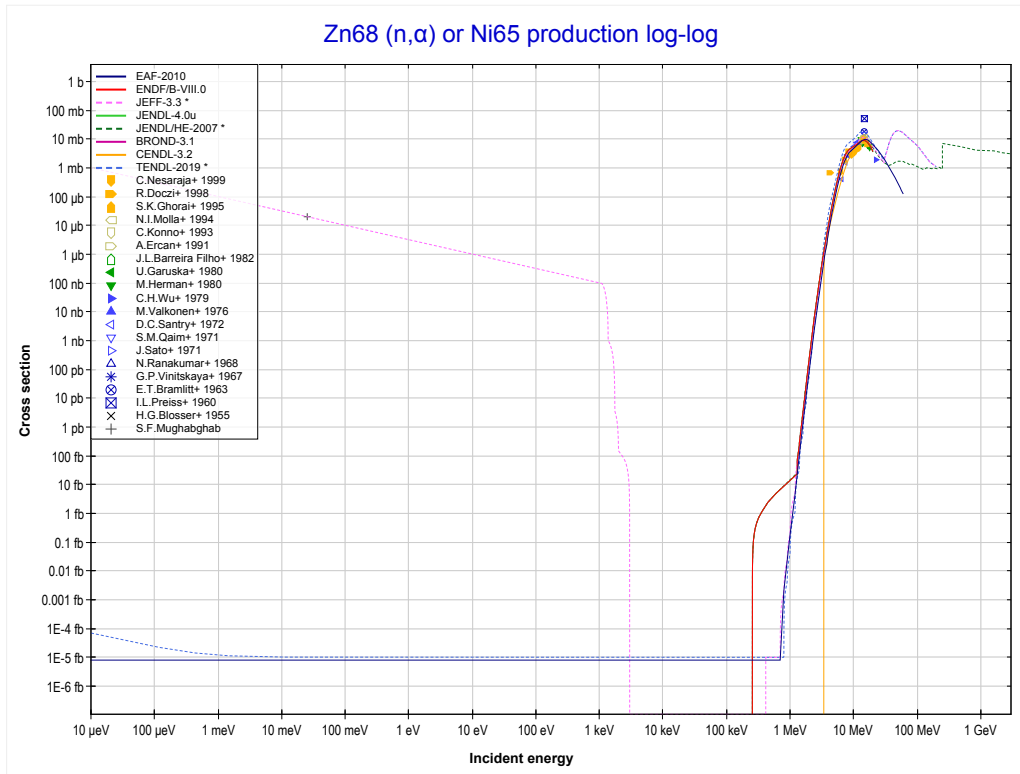
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.93715E-7 b | 0.00150533 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.25934E-7 b | 0.00178966 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.17656E-7 b | 7.71617E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.25935E-7 b | 0.00178966 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.20068E-7 b | 0.00177694 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.25935E-7 b | 0.00178966 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.74693E-7 b | 9.96628E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.17368E-7 b | 7.71297E-4 b |

| | | |
|----------------|--|----------------|
| << 30-Zn-67 | 30-Zn-68 | 31-Ga-71 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ni66 production) | MT107 (n,α) >> |



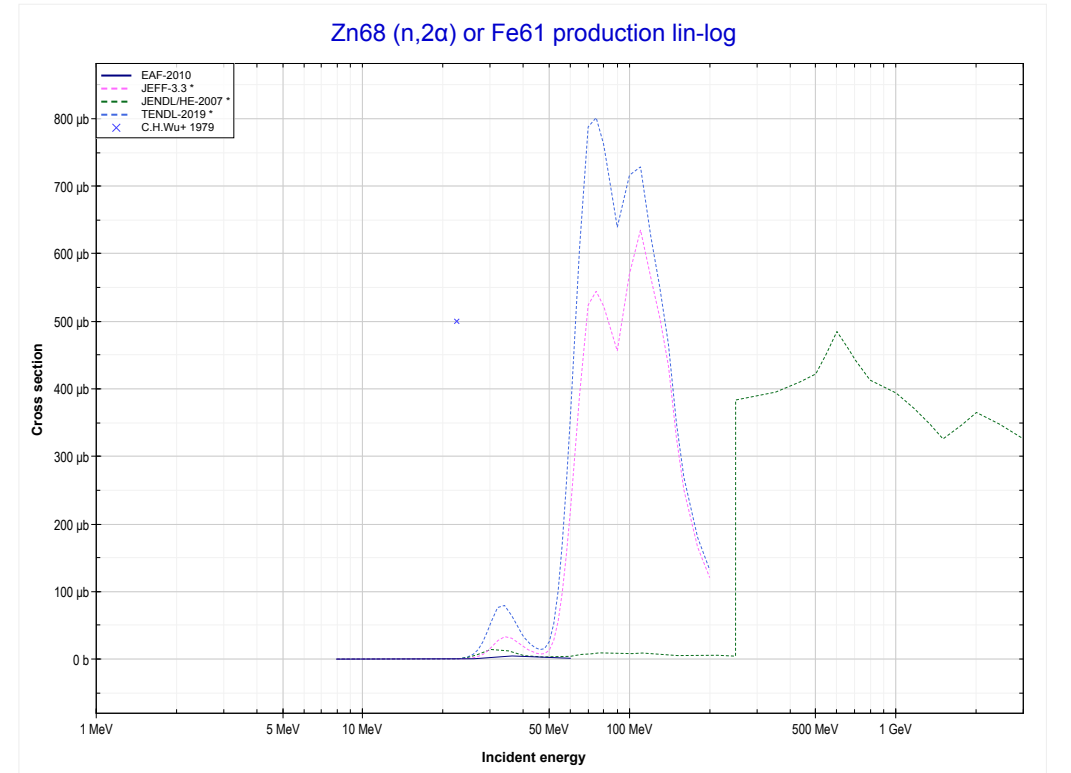
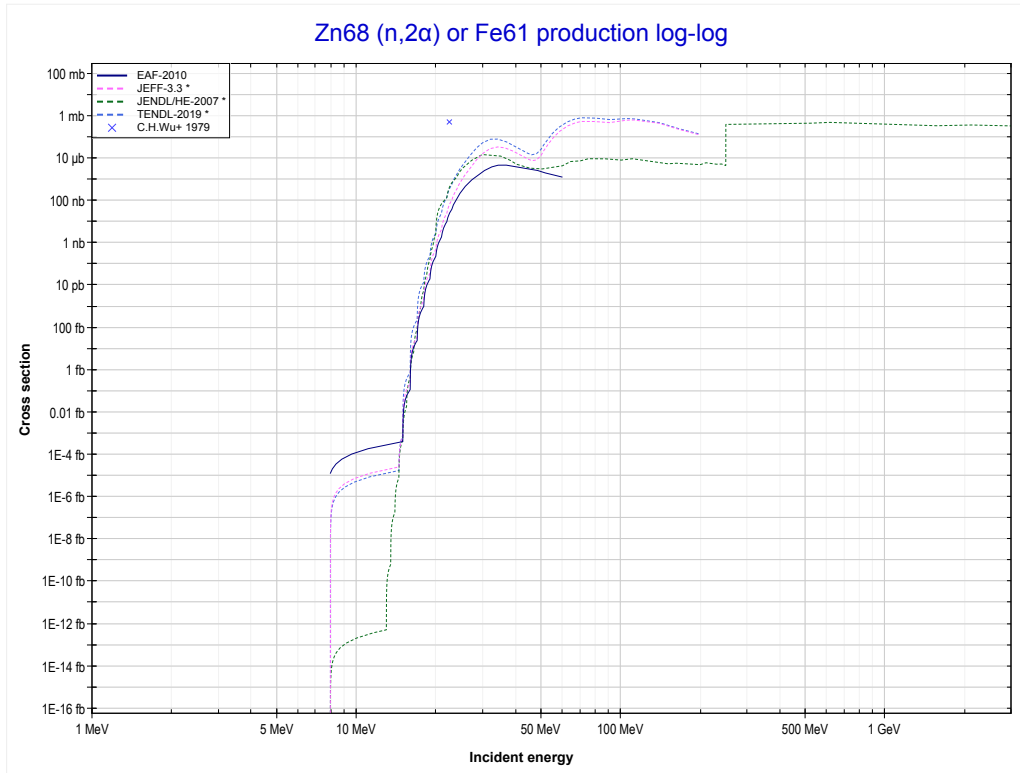
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89639E-11 b | 5.76007E-15 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87186E-13 b | 7.54603E-13 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.29568E-12 b | 4.68199E-15 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.87186E-13 b | 7.546E-13 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85386E-13 b | 7.56E-13 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87186E-13 b | 7.546E-13 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.28883E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.2945E-12 b | 4.6364E-15 b |

| | | |
|-------------------------------|---|--------------------------|
| << 30-Zn-67 | 30-Zn-68 | 31-Ga-69 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ni65 production) | MT108 (n, 2α) >> |



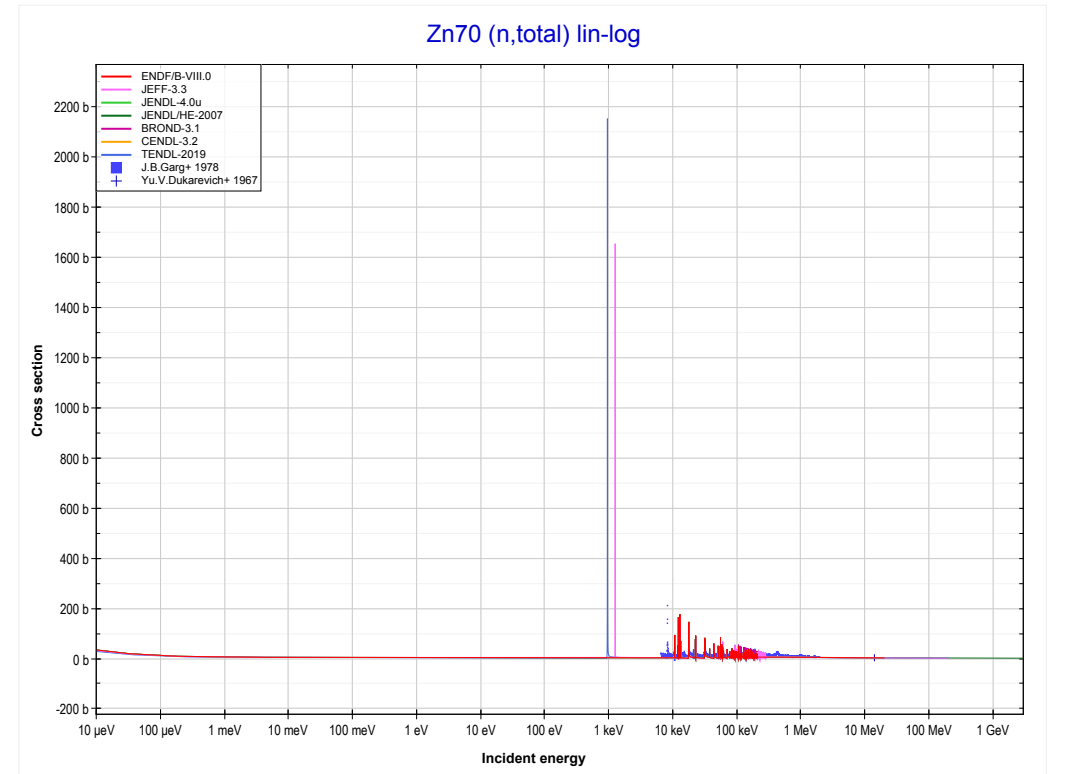
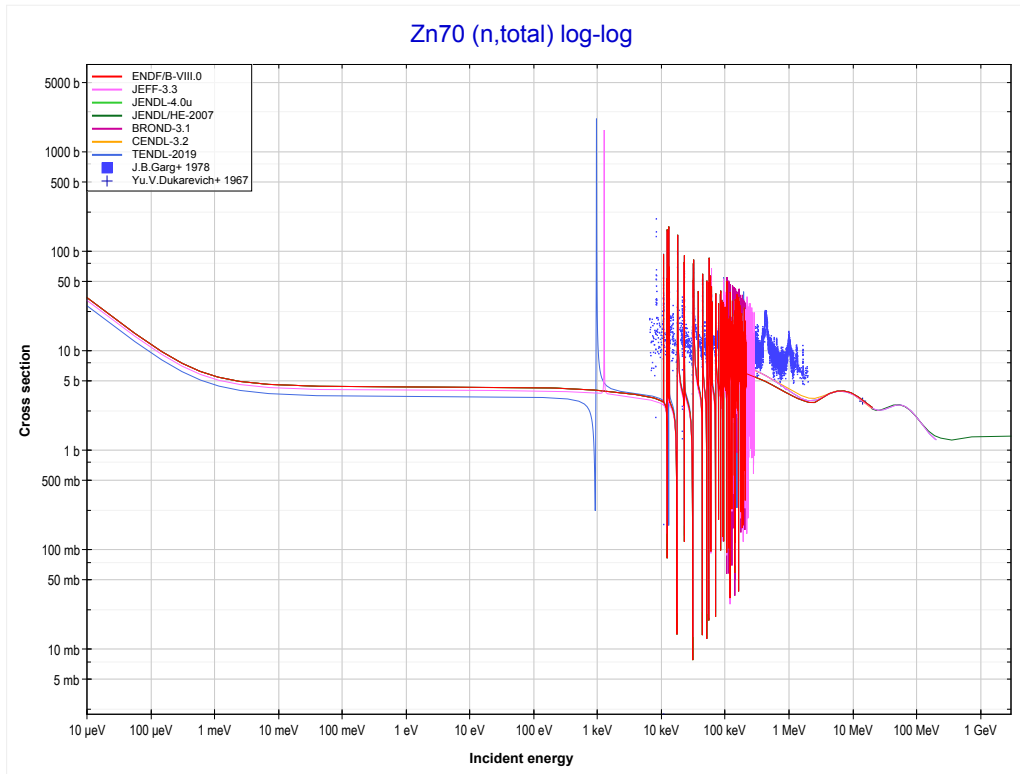
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.99046E-21 b | 7.99046E-21 b | 9.0157E-21 b | 0 | 9.75779E-20 b | 6.83486E-5 b | 0.00925359 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.40391E-5 b | 0.00900203 b |
| JEFF-3.3 | 2.00827E-5 b | 2.00827E-5 b | 2.0085E-5 b | 1.0001 | 8.86711E-6 b | 8.13056E-5 b | 0.0115555 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.40391E-5 b | 0.00900203 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.42296E-5 b | 0.00900101 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.40391E-5 b | 0.00900203 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.65923E-5 b | 0.0092596 b |
| TENDL-2019 | 1.0074E-20 b | 1.0074E-20 b | 1.1368E-20 b | 1.12846 | 1.22096E-19 b | 1.73192E-4 b | 0.0185584 b |

| | | |
|-------------------------|--|---------------------------|
| << 30-Zn-66 | 30-Zn-68 | 41-Nb-93 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Fe61 production) | 30-Zn-70 MT1 (n,total) >> |



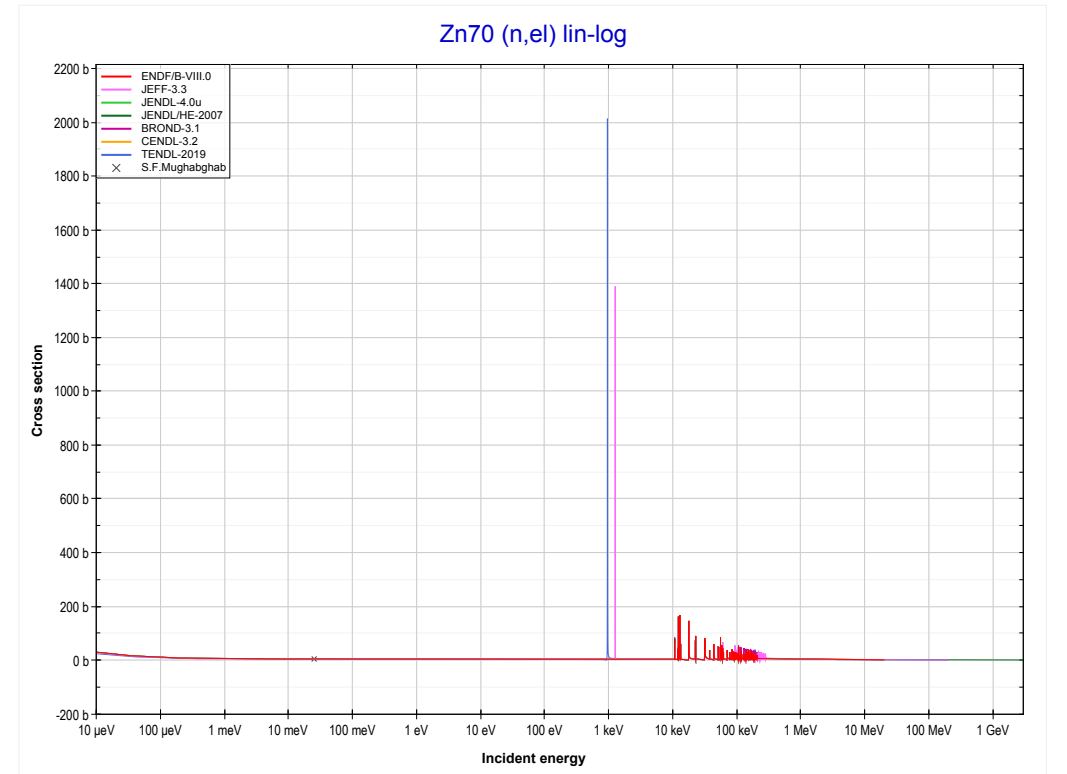
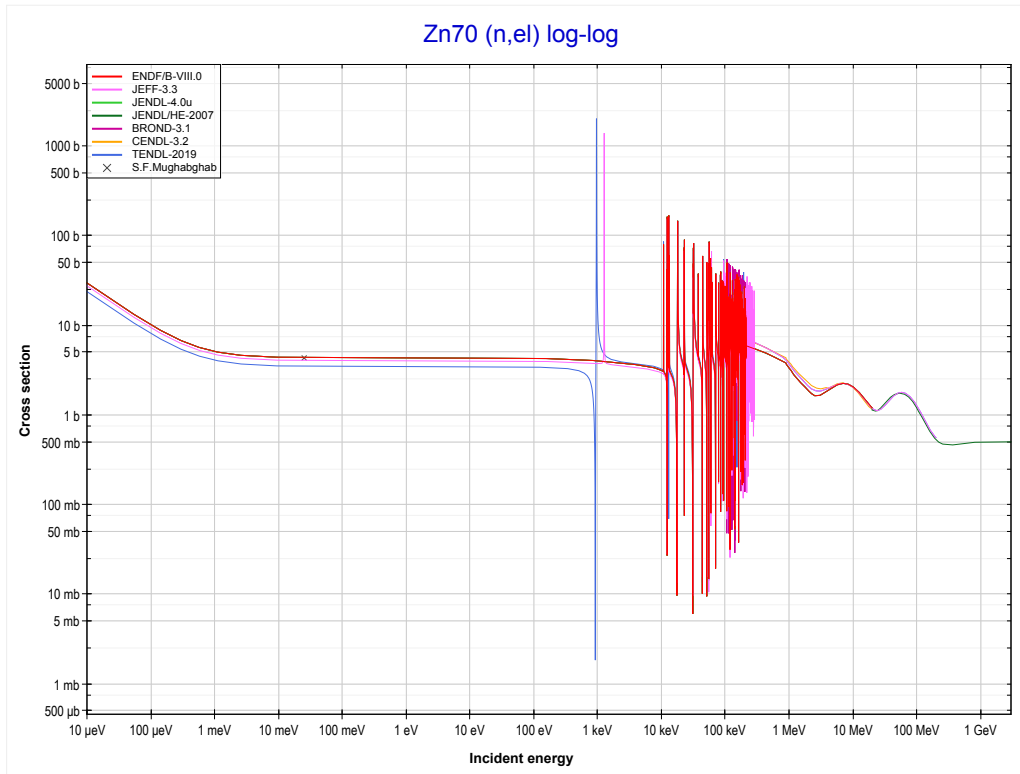
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.51801E-16 b | 2.2992E-20 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73324E-15 b | 1.7659E-22 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.80649E-15 b | 1.56027E-20 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 30-Zn-68 | 30-Zn-70 | 31-Ga-69 >> |
| << 30-Zn-68 MT108 (n,2 α) | MT1 (n,total) | MT2 (n,elastic) >> |



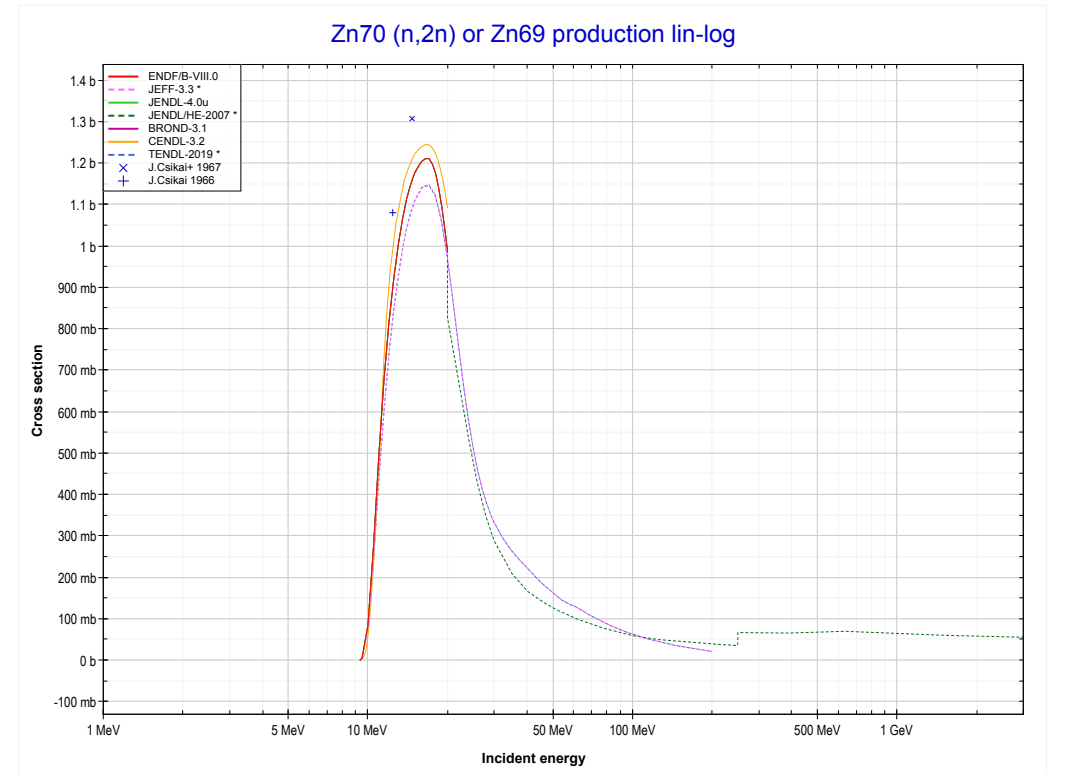
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.42819 b | 4.42819 b | 4.9848 b | 1.1257 | 54.296 b | 3.72914 b | 3.21208 b |
| JEFF-3.3 | 4.11222 b | 4.11222 b | 4.6283 b | 1.12551 | 55.0904 b | 3.94119 b | 3.1511 b |
| JENDL-4.0u | 4.42819 b | 4.42819 b | 4.9848 b | 1.1257 | 54.296 b | 3.72914 b | 3.21208 b |
| JENDL/HE-2007 | 4.42816 b | 4.42816 b | 4.9851 b | 1.12576 | 54.3194 b | 3.76405 b | 3.21208 b |
| BROND-3.1 | 4.42819 b | 4.42819 b | 4.9848 b | 1.1257 | 54.296 b | 3.72914 b | 3.21208 b |
| CENDL-3.2 | 4.42816 b | 4.42816 b | 4.9851 b | 1.12576 | 54.3193 b | 4.08302 b | 3.1189 b |
| TENDL-2019 | 3.56271 b | 3.56271 b | 4.0084 b | 1.1251 | 61.5834 b | 3.97124 b | 3.15111 b |

| | | |
|------------------|------------------------|----------------|
| << 30-Zn-68 | 30-Zn-70 | 31-Ga-69 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



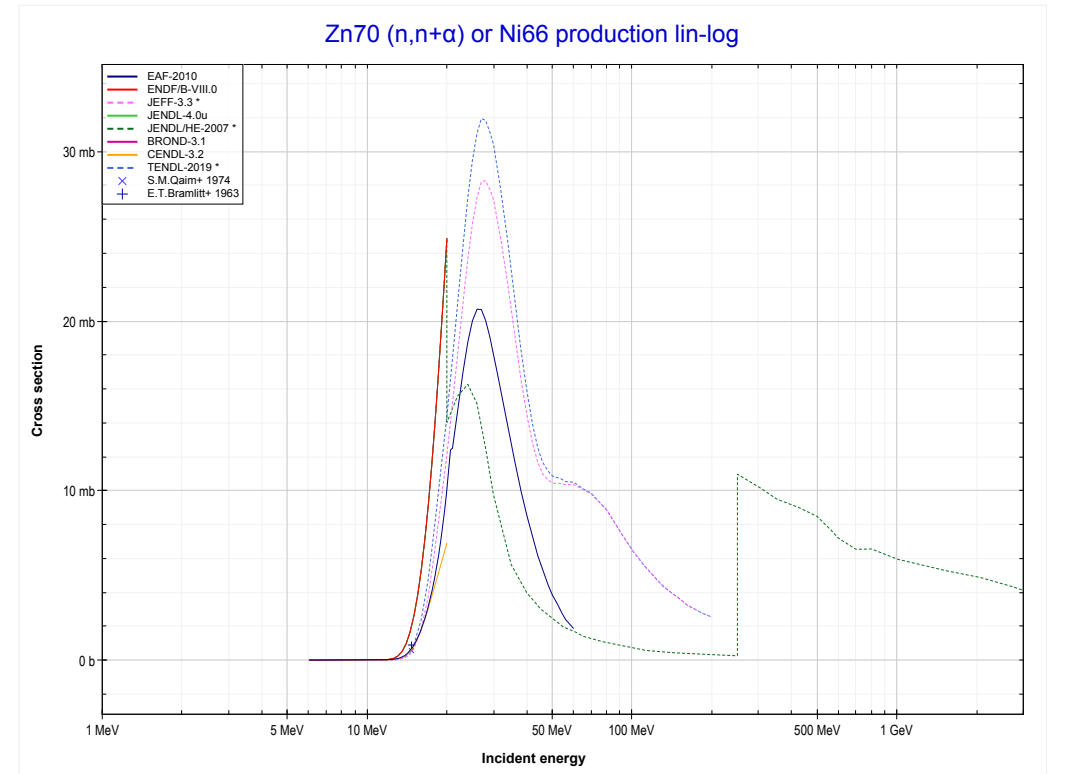
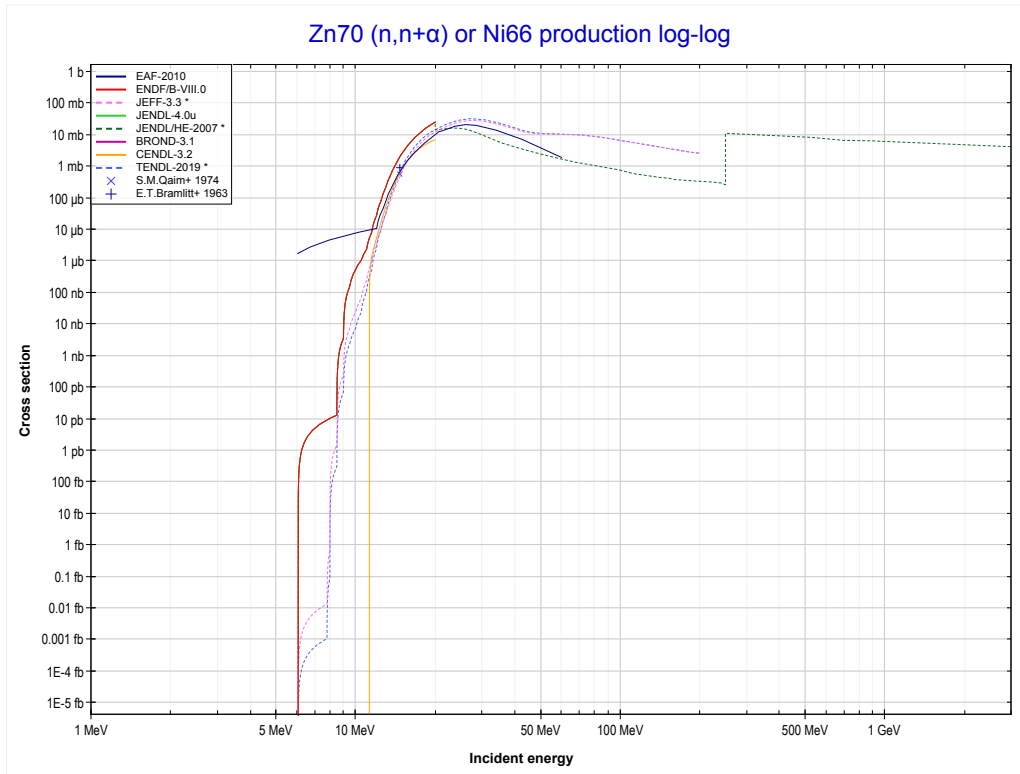
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.33646 b | 4.33646 b | 4.8931 b | 1.12835 | 54.2038 b | 2.85342 b | 1.61875 b |
| JEFF-3.3 | 4.02068 b | 4.02068 b | 4.5368 b | 1.12835 | 54.2285 b | 3.13544 b | 1.59753 b |
| JENDL-4.0u | 4.33646 b | 4.33646 b | 4.8931 b | 1.12835 | 54.2038 b | 2.85342 b | 1.61875 b |
| JENDL/HE-2007 | 4.33646 b | 4.33646 b | 4.8933 b | 1.12842 | 54.2231 b | 2.88936 b | 1.61876 b |
| BROND-3.1 | 4.33646 b | 4.33646 b | 4.8931 b | 1.12835 | 54.2038 b | 2.85342 b | 1.61875 b |
| CENDL-3.2 | 4.33646 b | 4.33646 b | 4.8933 b | 1.12842 | 54.223 b | 3.27384 b | 1.53656 b |
| TENDL-2019 | 3.47043 b | 3.47043 b | 3.9161 b | 1.12842 | 60.6381 b | 3.1659 b | 1.59753 b |

| | | |
|--------------------|---|-----------------|
| << 30-Zn-68 | 30-Zn-70 | 31-Ga-69 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zn69 production) | MT22 (n,n+α) >> |



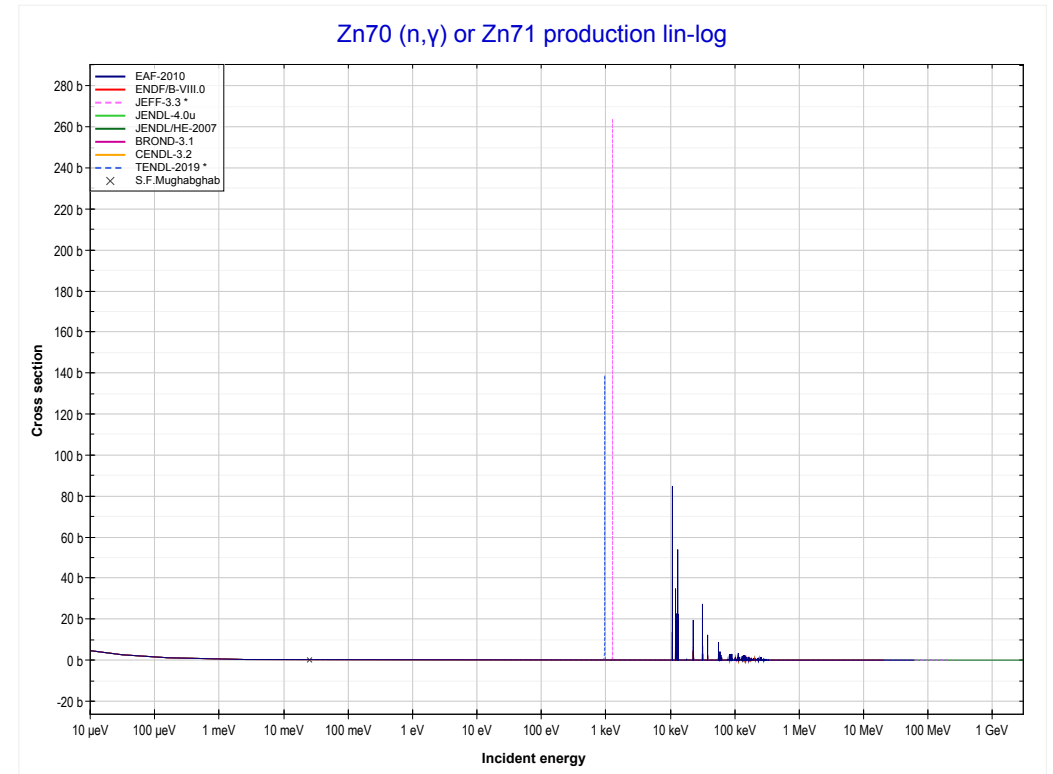
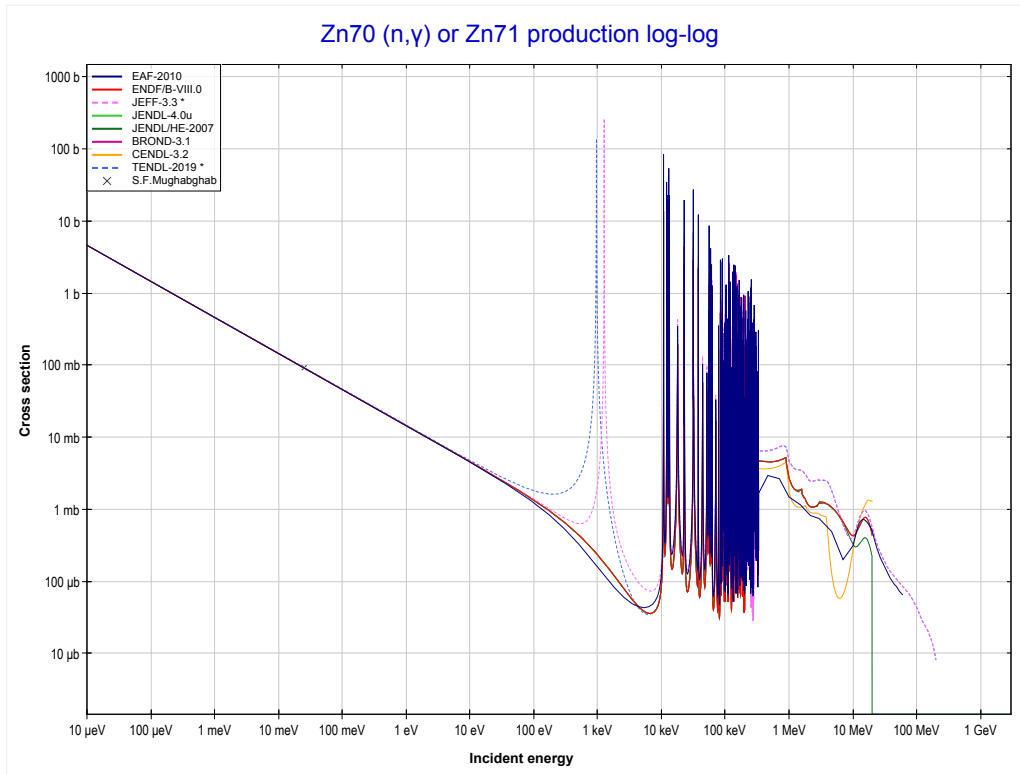
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109946 b | 1.11293 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.95346E-4 b | 1.04167 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109946 b | 1.11293 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109862 b | 1.11275 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109946 b | 1.11293 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109344 b | 1.1743 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.95586E-4 b | 1.04069 b |

| | | |
|----------------|--|----------------|
| << 29-Cu-65 | 30-Zn-70 | 31-Ga-71 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Ni66 production) | MT102 (n,γ) >> |



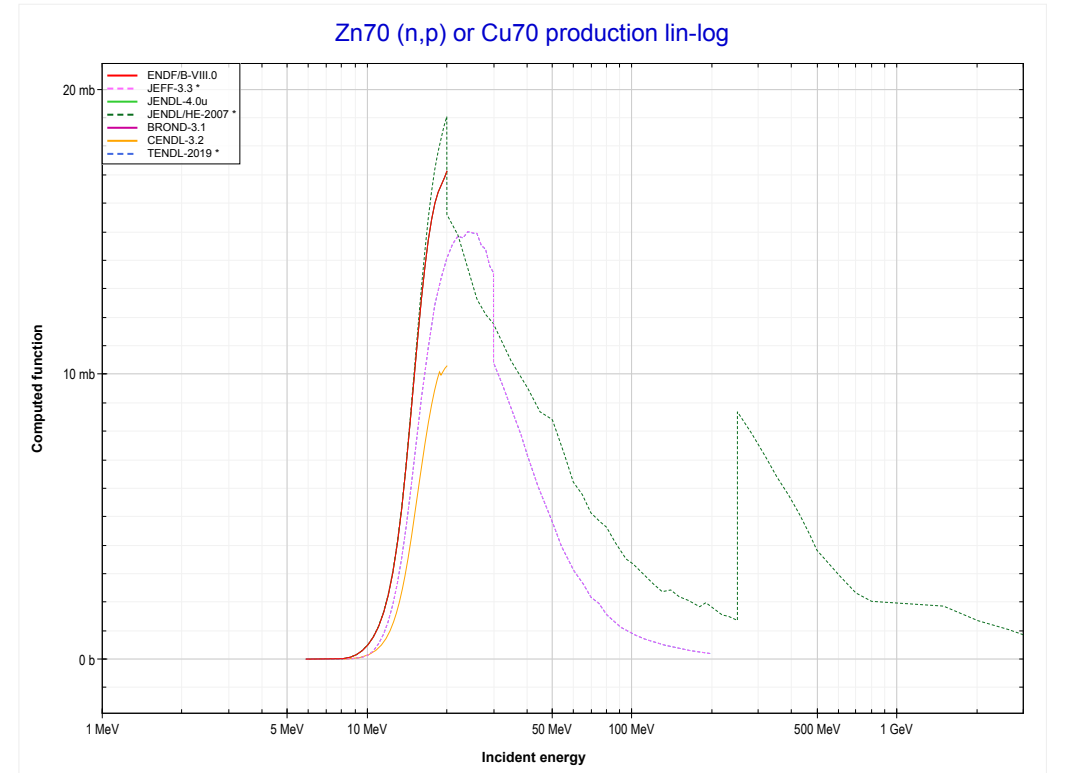
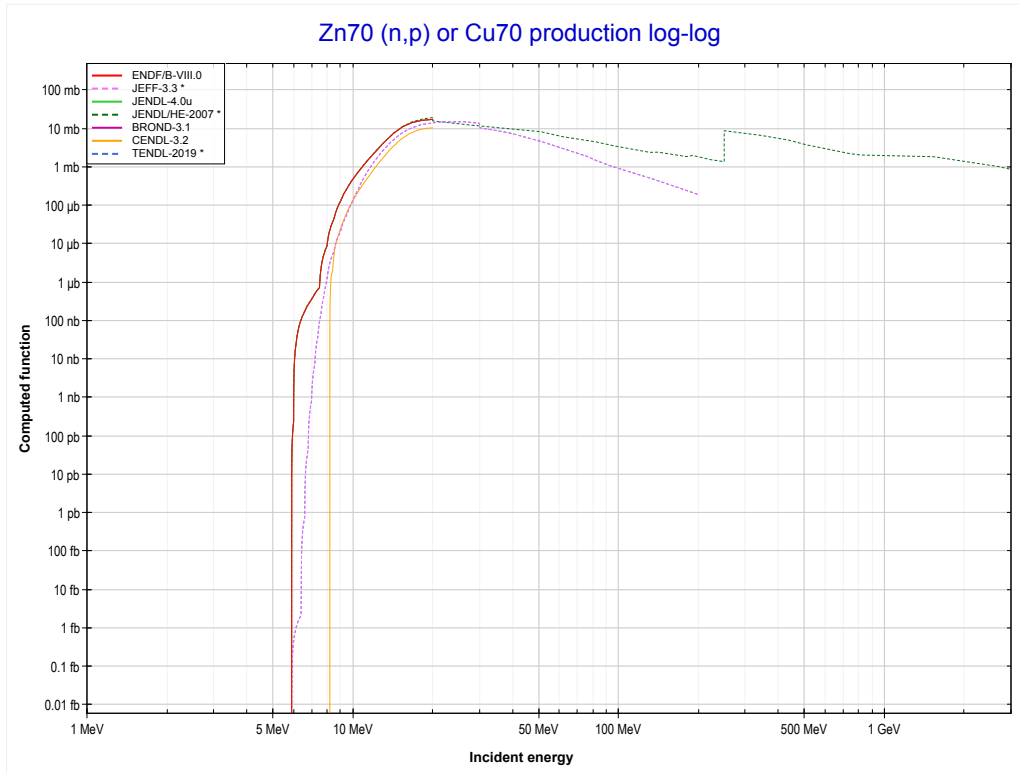
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.67982E-7 b | 9.17185E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.88711E-7 b | 1.65676E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.67982E-7 b | 9.17185E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.69036E-7 b | 9.18934E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.67982E-7 b | 9.17185E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73544E-7 b | 2.5743E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.39209E-7 b | 2.16503E-4 b |

| | | |
|-----------------|---|----------------|
| << 30-Zn-68 | 30-Zn-70 | 31-Ga-69 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Zn71 production) | MT103 (n,p) >> |



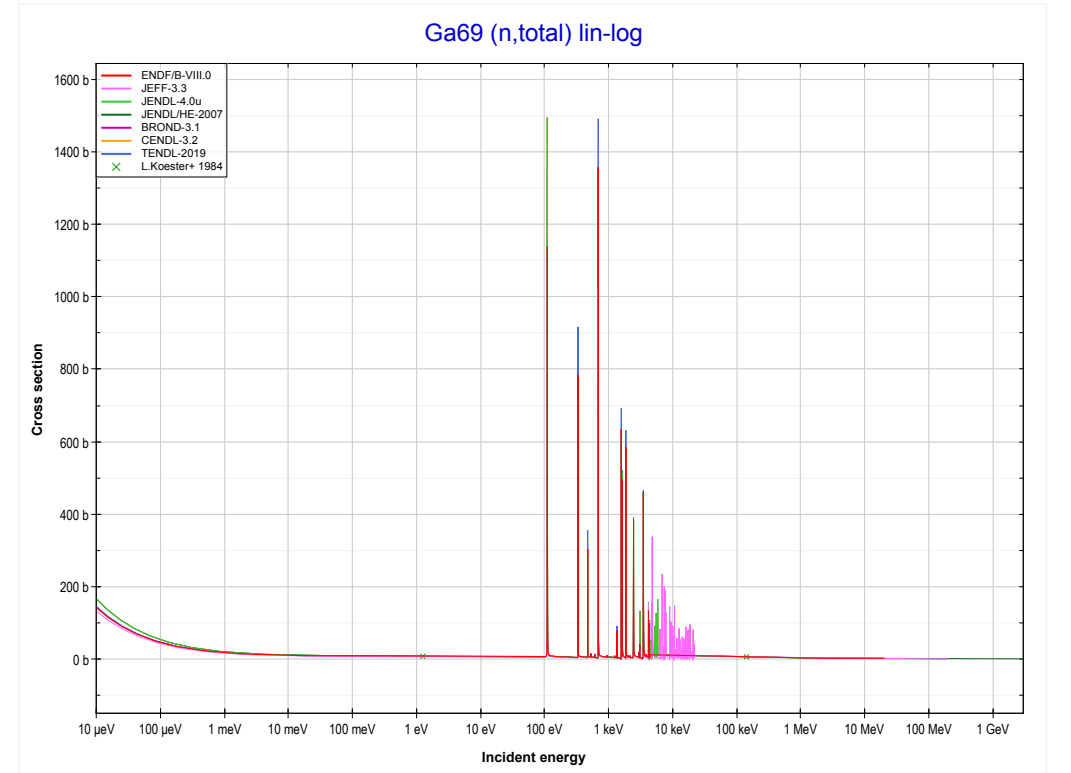
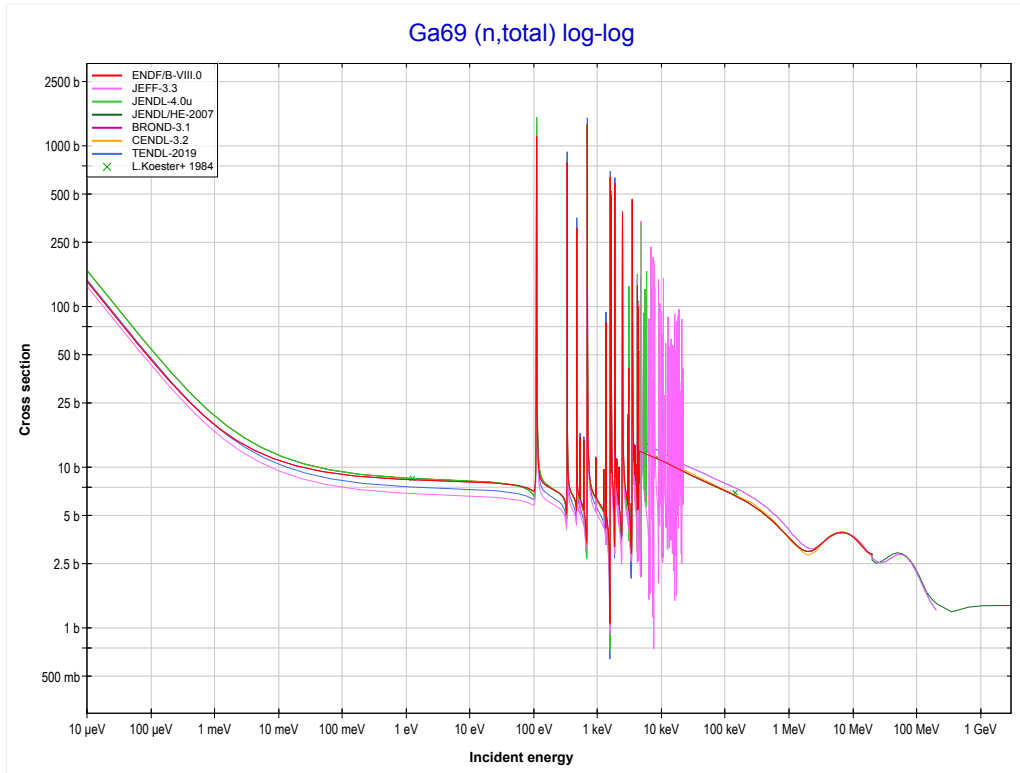
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.091664 b | 0.0915953 b | 0.091593 b | 0.99997 | 0.113391 b | 0.00158445 b | 7.2E-4 b |
| ENDF/B-VIII.0 | 0.0917346 b | 0.0917346 b | 0.091767 b | 1.00036 | 0.092187 b | 0.00245022 b | 7.02544E-4 b |
| JEFF-3.3 | 0.0915343 b | 0.0915343 b | 0.091567 b | 1.00036 | 0.861894 b | 0.00414056 b | 9.09447E-4 b |
| JENDL-4.0u | 0.0917346 b | 0.0917346 b | 0.091767 b | 1.00036 | 0.092187 b | 0.00245022 b | 7.02544E-4 b |
| JENDL/HE-2007 | 0.0917074 b | 0.0917074 b | 0.091711 b | 1.00004 | 0.0921035 b | 0.00243474 b | 3.75712E-4 b |
| BROND-3.1 | 0.0917346 b | 0.0917346 b | 0.091767 b | 1.00036 | 0.092187 b | 0.00245021 b | 7.02544E-4 b |
| CENDL-3.2 | 0.0917074 b | 0.0917074 b | 0.091711 b | 1.00004 | 0.0921033 b | 0.00186783 b | 9.4461E-4 b |
| TENDL-2019 | 0.0922848 b | 0.0922848 b | 0.092292 b | 1.00008 | 0.937382 b | 0.00398953 b | 9.07882E-4 b |

| | | |
|-------------------------|---|---------------------------|
| << 30-Zn-68 | 30-Zn-70 | 31-Ga-69 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cu70 production) | 31-Ga-69 MT1 (n,total) >> |



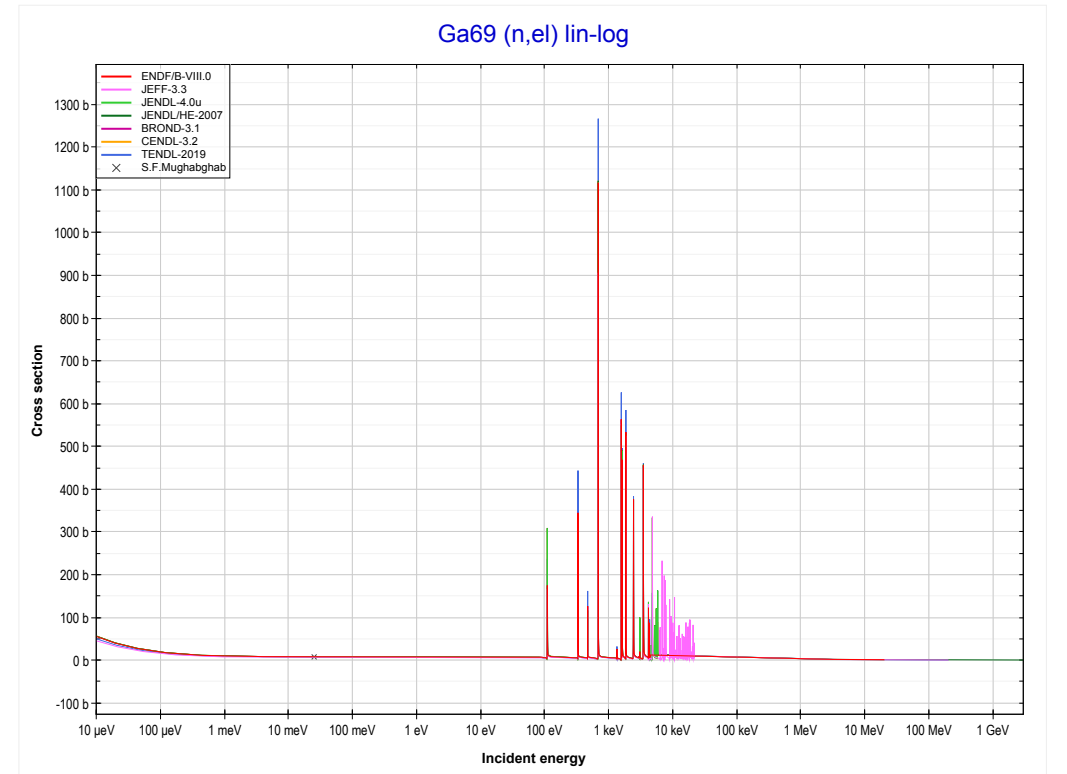
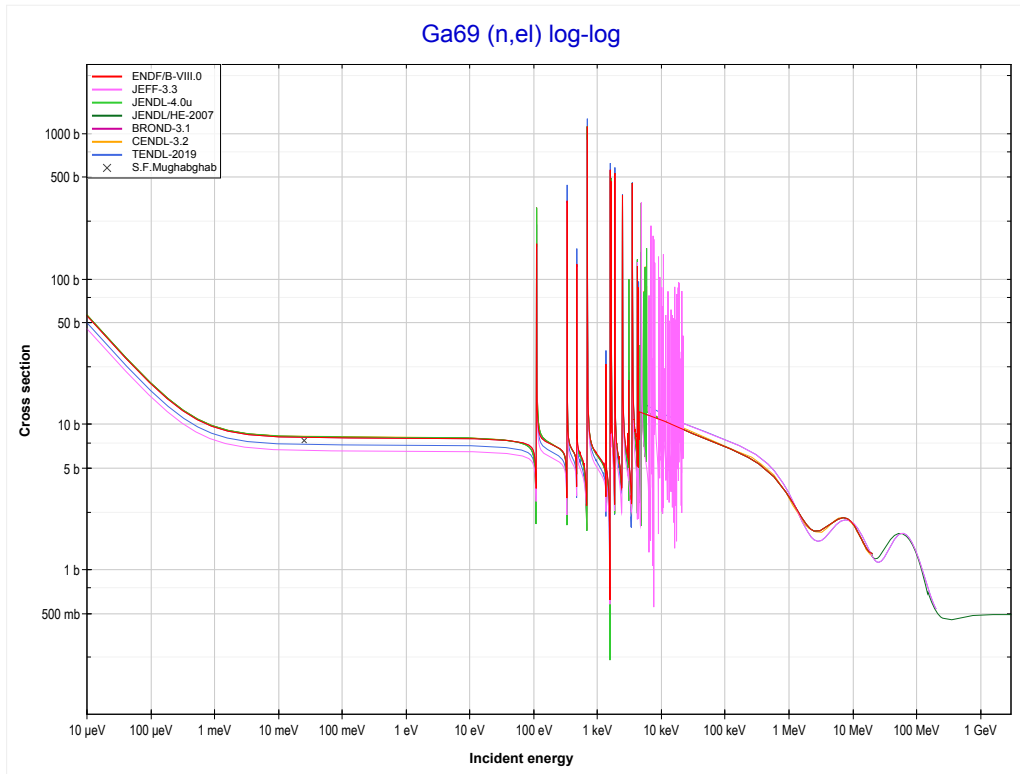
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79964E-6 b | 0.00668918 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58201E-6 b | 0.00456586 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.79964E-6 b | 0.00668918 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90488E-6 b | 0.00676831 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79964E-6 b | 0.00668918 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.85442E-6 b | 0.00308649 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58085E-6 b | 0.00456355 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 30-Zn-70 | 31-Ga-69 | 31-Ga-71 >> |
| << 30-Zn-70 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



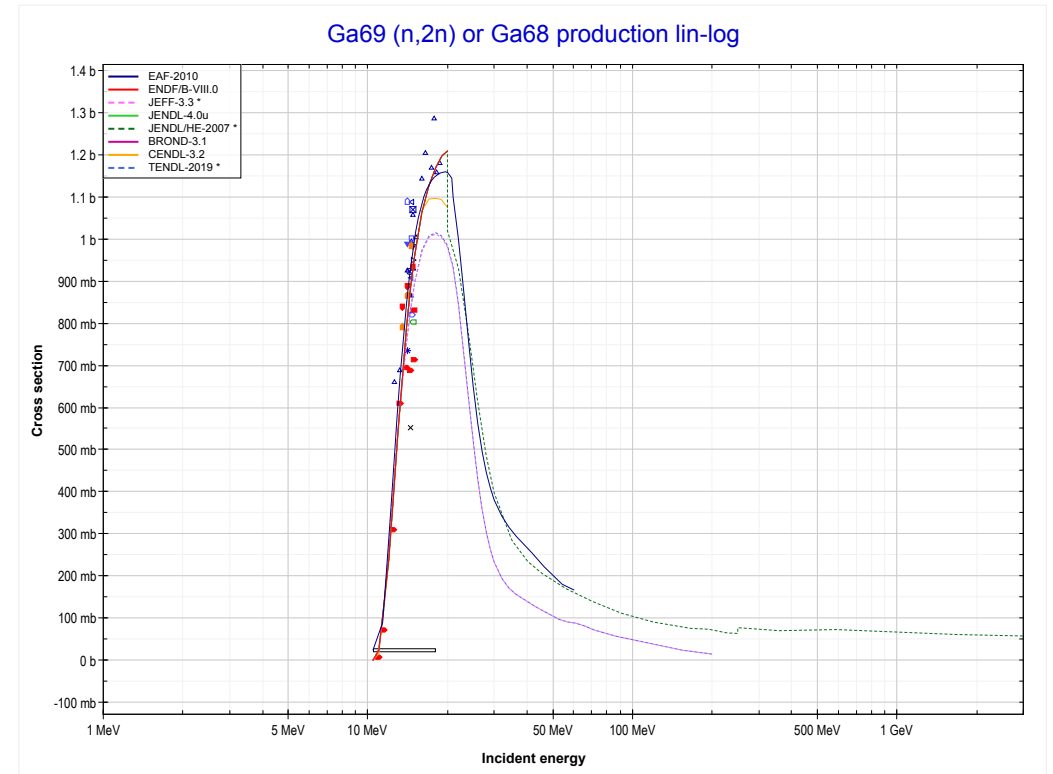
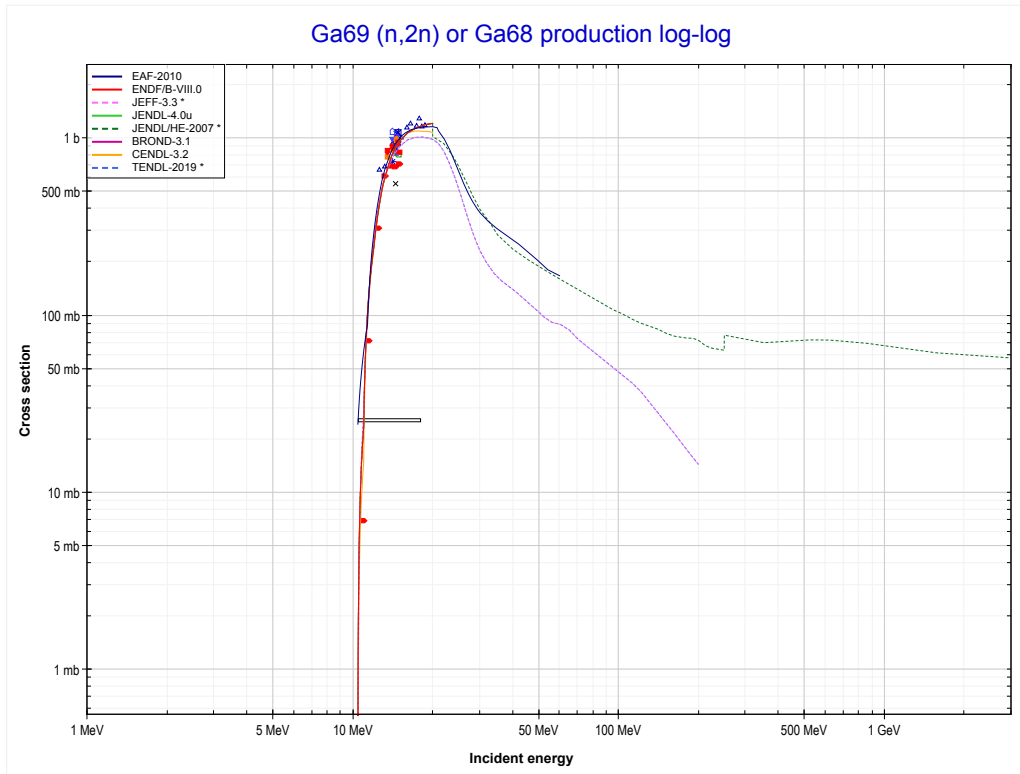
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.85588 b | 9.85588 b | 10.899 b | 1.10587 | 134.851 b | 3.78414 b | 3.1933 b |
| JEFF-3.3 | 8.35834 b | 8.35834 b | 9.2076 b | 1.10161 | 124.844 b | 4.07104 b | 3.29279 b |
| JENDL-4.0u | 10.4226 b | 10.4226 b | 11.479 b | 1.10131 | 140.033 b | 3.78465 b | 3.1933 b |
| JENDL/HE-2007 | 10.422 b | 10.422 b | 11.478 b | 1.1013 | 140.047 b | 3.78495 b | 3.1933 b |
| BROND-3.1 | 9.85588 b | 9.85588 b | 10.899 b | 1.10587 | 134.851 b | 3.78414 b | 3.1933 b |
| CENDL-3.2 | 10.4558 b | 10.4558 b | 11.515 b | 1.1013 | 140.603 b | 3.76772 b | 3.22674 b |
| TENDL-2019 | 9.18653 b | 9.18653 b | 10.12 b | 1.10167 | 139.036 b | 4.07232 b | 3.2928 b |

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|------------------|------------------------|----------------|
| << 30-Zn-70 | 31-Ga-69 | 31-Ga-71 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



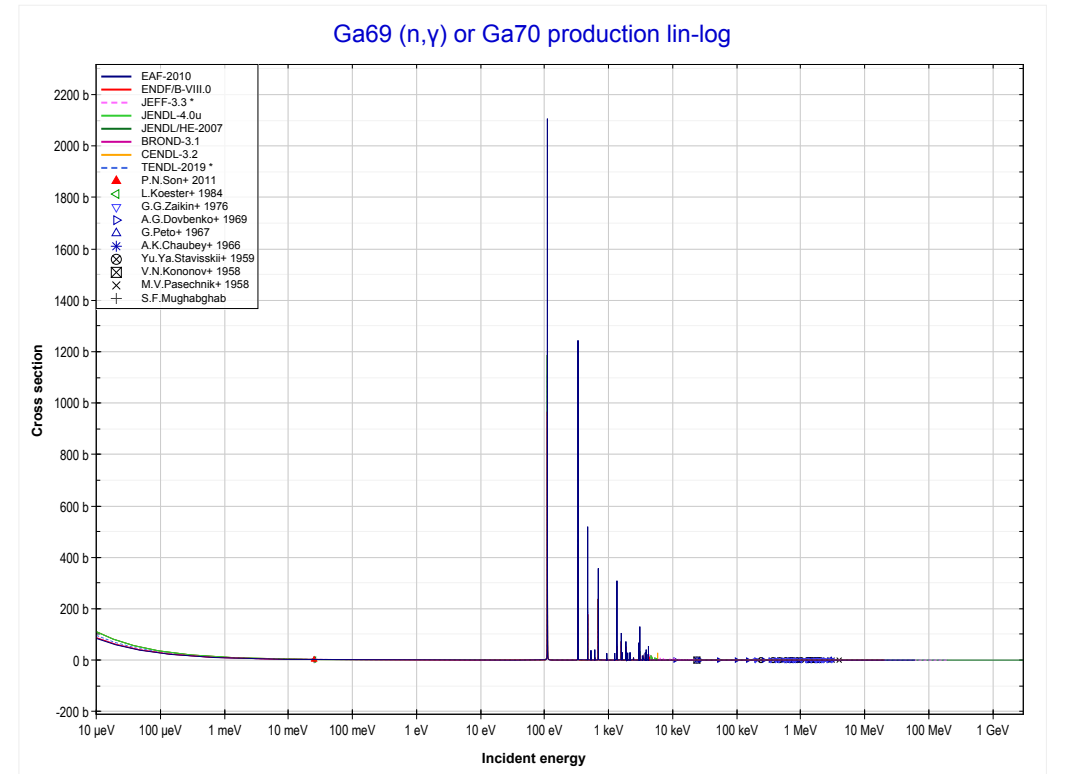
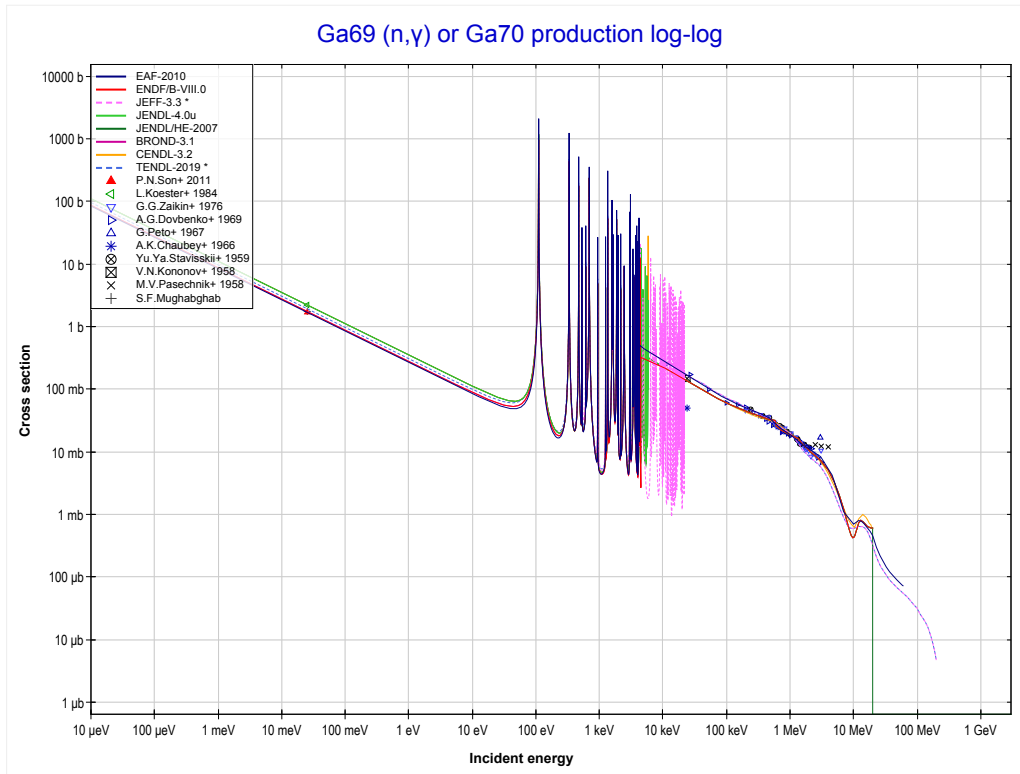
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.12536 b | 8.12536 b | 9.1681 b | 1.12833 | 118.744 b | 2.96689 b | 1.59339 b |
| JEFF-3.3 | 6.61368 b | 6.61368 b | 7.4624 b | 1.12833 | 109.436 b | 3.02173 b | 1.71082 b |
| JENDL-4.0u | 8.22179 b | 8.22179 b | 9.2768 b | 1.12832 | 121.914 b | 2.96739 b | 1.59339 b |
| JENDL/HE-2007 | 8.22179 b | 8.22179 b | 9.2774 b | 1.12839 | 121.907 b | 2.96764 b | 1.59339 b |
| BROND-3.1 | 8.12536 b | 8.12536 b | 9.1681 b | 1.12833 | 118.744 b | 2.96689 b | 1.59339 b |
| CENDL-3.2 | 8.24848 b | 8.24848 b | 9.3075 b | 1.12839 | 122.378 b | 2.96092 b | 1.5653 b |
| TENDL-2019 | 7.27295 b | 7.27295 b | 8.2067 b | 1.12839 | 120.691 b | 3.02339 b | 1.71082 b |

| | | |
|--------------------|---|-------------------------|
| << 30-Zn-70 | 31-Ga-69 | 31-Ga-71 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ga68 production) | MT102 (n, γ) >> |



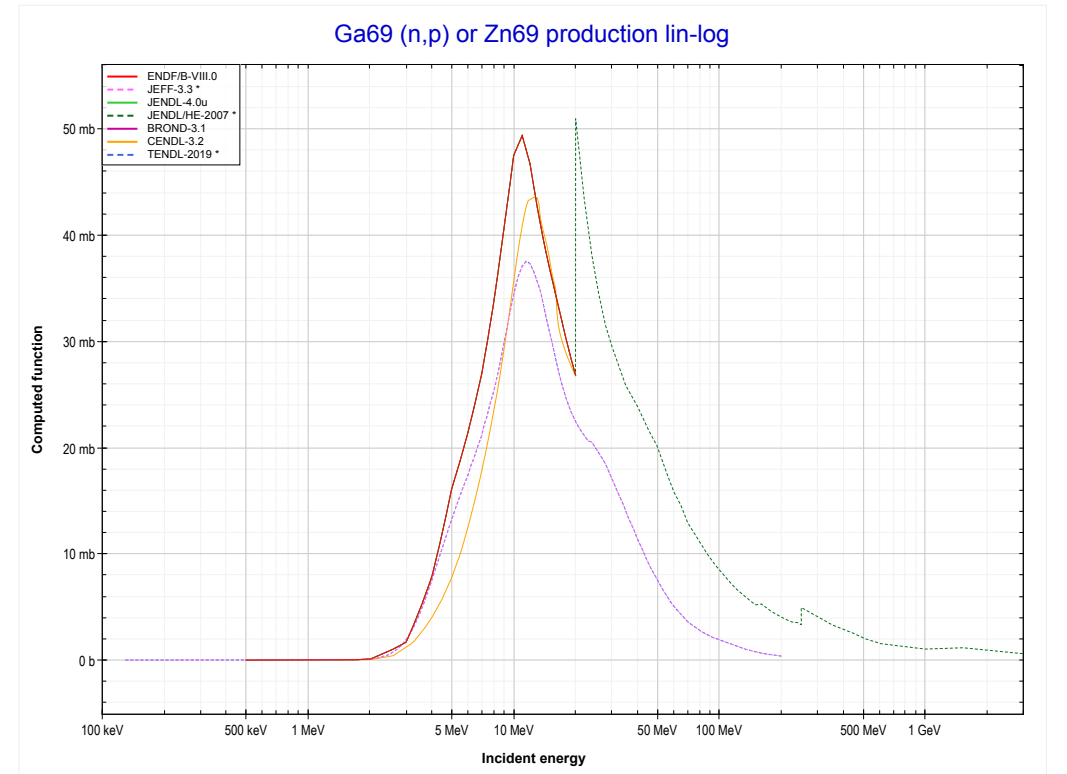
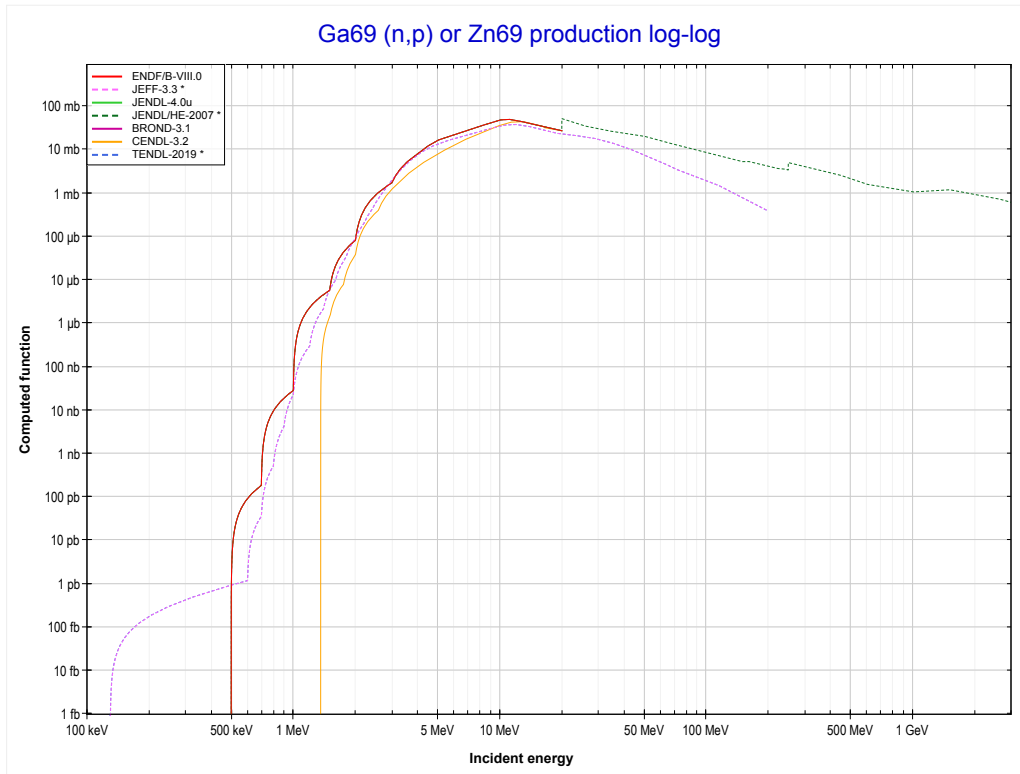
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.87879E-4 b | 0.84671 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.50306E-4 b | 0.790766 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.445E-4 b | 0.752771 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.50306E-4 b | 0.790766 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.50321E-4 b | 0.790766 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.50306E-4 b | 0.790766 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.39446E-4 b | 0.78951 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.45791E-4 b | 0.755216 b |

| | | |
|----------------|---|----------------|
| << 30-Zn-70 | 31-Ga-69 | 31-Ga-71 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Ga70 production) | MT103 (n,p) >> |



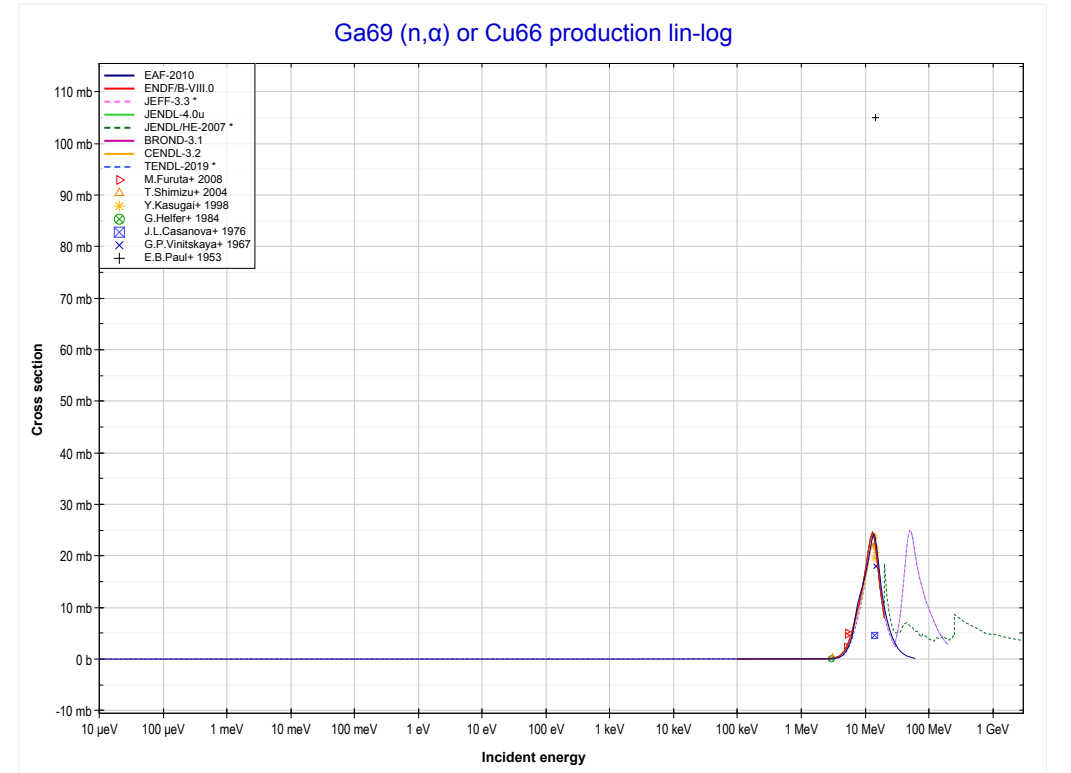
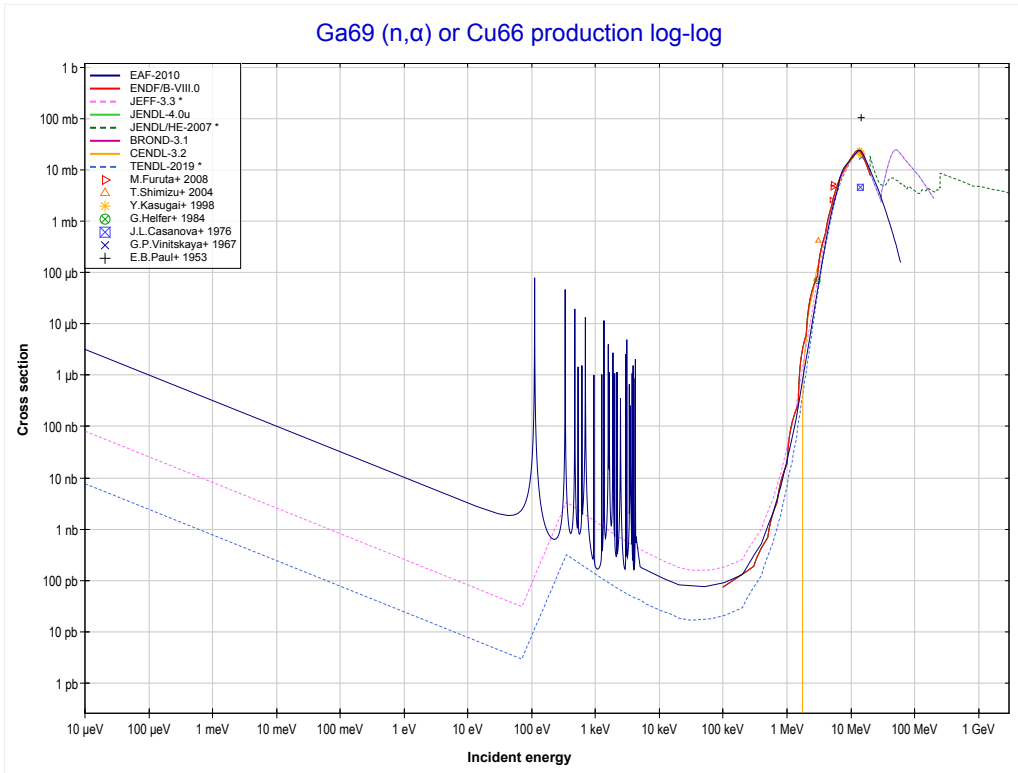
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.6784 b | 1.67714 b | 1.6772 b | 1.00001 | 16.3426 b | 0.0182511 b | 7.5E-4 b |
| ENDF/B-VIII.0 | 1.73052 b | 1.73052 b | 1.7312 b | 1.00039 | 16.1069 b | 0.0172389 b | 7.7235E-4 b |
| JEFF-3.3 | 1.74466 b | 1.74466 b | 1.7452 b | 1.00033 | 15.4077 b | 0.0171508 b | 6.38787E-4 b |
| JENDL-4.0u | 2.20085 b | 2.20085 b | 2.2017 b | 1.00038 | 18.1189 b | 0.0172477 b | 7.7235E-4 b |
| JENDL/HE-2007 | 2.2002 b | 2.2002 b | 2.2003 b | 1.00006 | 18.1141 b | 0.017246 b | 7.7235E-4 b |
| BROND-3.1 | 1.73052 b | 1.73052 b | 1.7312 b | 1.00039 | 16.1069 b | 0.0172389 b | 7.7235E-4 b |
| CENDL-3.2 | 2.20736 b | 2.20736 b | 2.2075 b | 1.00006 | 18.1817 b | 0.0172848 b | 9.9901E-4 b |
| TENDL-2019 | 1.91358 b | 1.91358 b | 1.9137 b | 1.00008 | 18.32 b | 0.0171636 b | 6.37581E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 30-Zn-70 | 31-Ga-69 | 31-Ga-71 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Zn69 production) | MT107 (n, α) >> |



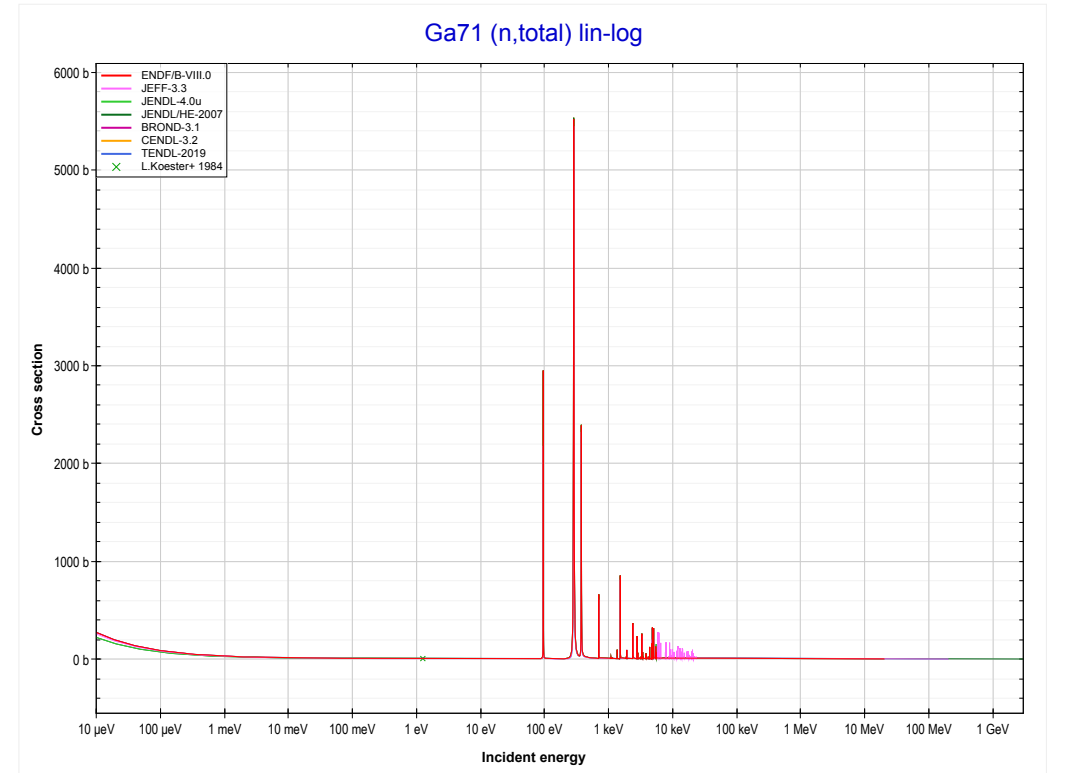
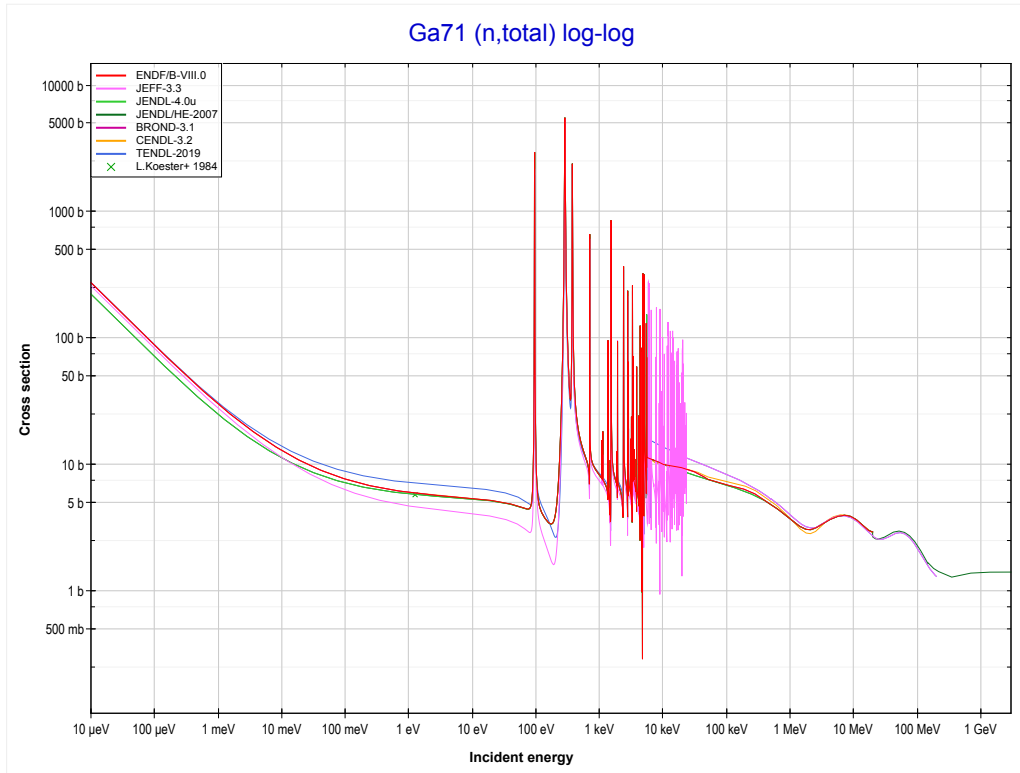
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00270743 b | 0.0393729 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00227296 b | 0.0332818 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00270743 b | 0.0393729 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00270743 b | 0.0393729 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00270743 b | 0.0393729 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00154116 b | 0.040238 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0022748 b | 0.0333022 b |

| | | |
|----------------|---|---------------------------|
| << 30-Zn-68 | 31-Ga-69 | 31-Ga-71 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Cu66 production) | 31-Ga-71 MT1 (n,total) >> |



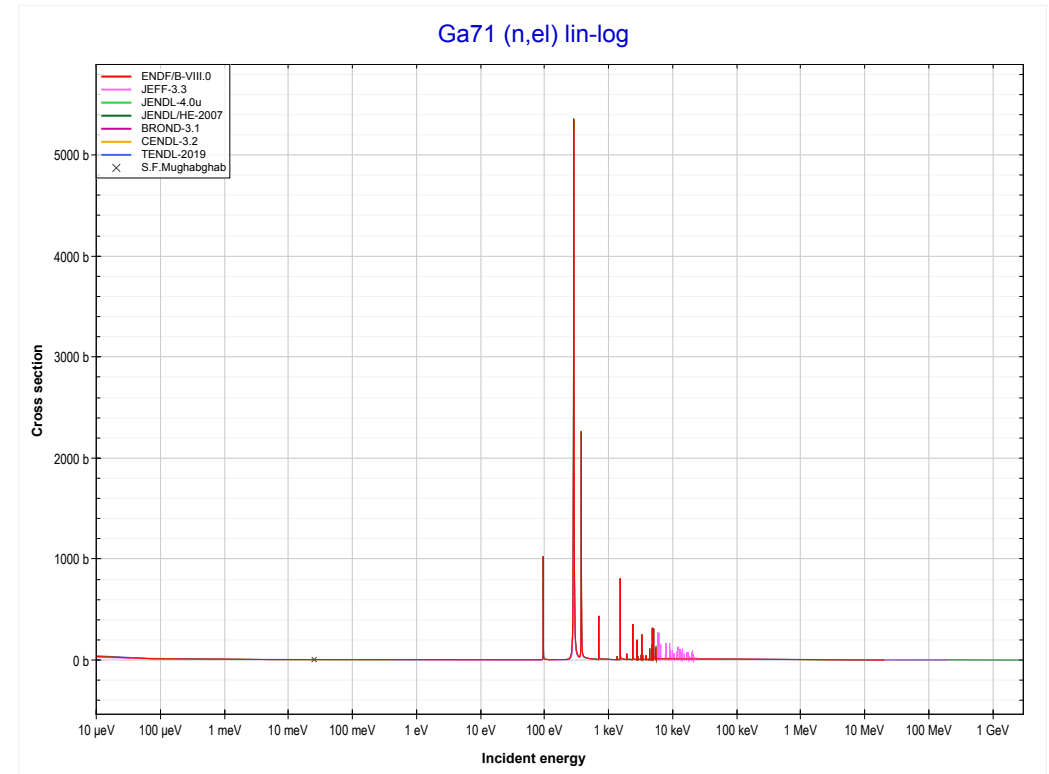
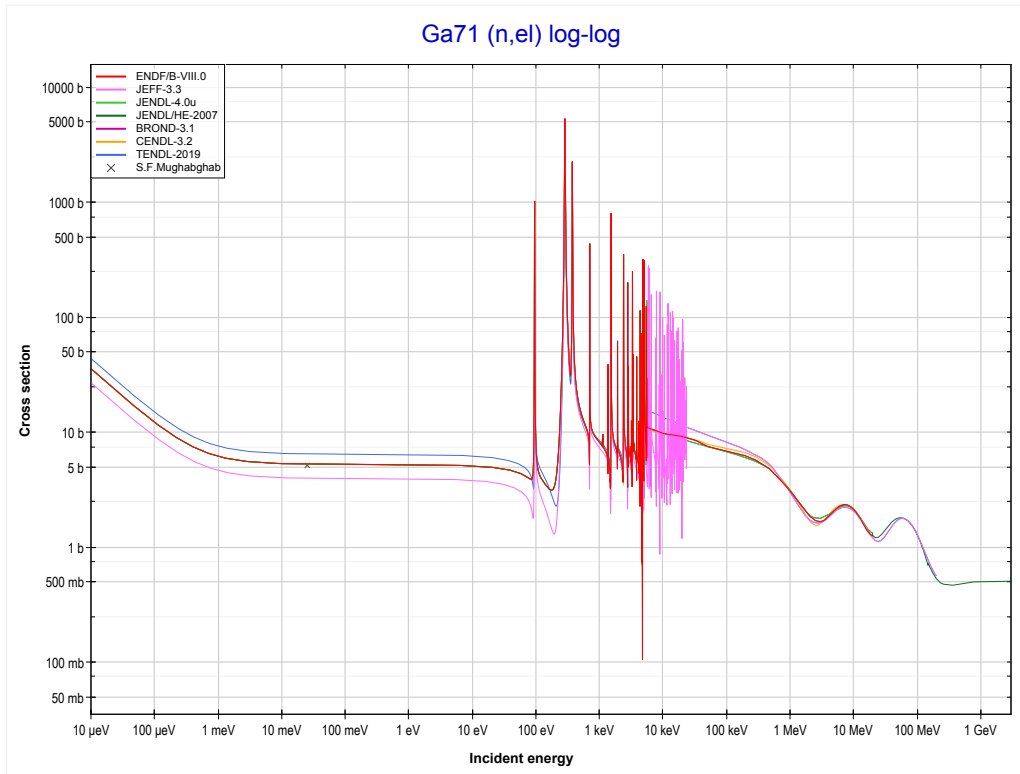
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 6.332E-8 b | 6.32725E-8 b | 6.3273E-8 b | 1.00001 | 5.91544E-7 b | 4.10138E-4 b | 0.0241264 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79178E-4 b | 0.0233445 b |
| JEFF-3.3 | 1.61177E-9 b | 1.61177E-9 b | 1.6122E-9 b | 1.00027 | 6.06903E-9 b | 4.18972E-4 b | 0.0237187 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.79178E-4 b | 0.0233445 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79178E-4 b | 0.0233445 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79178E-4 b | 0.0233445 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.28121E-4 b | 0.022062 b |
| TENDL-2019 | 1.5282E-10 b | 1.5282E-10 b | 1.527E-10 b | 0.99922 | 5.80657E-10 b | 3.43641E-4 b | 0.0219013 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-Nat >> |
| << 31-Ga-69 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



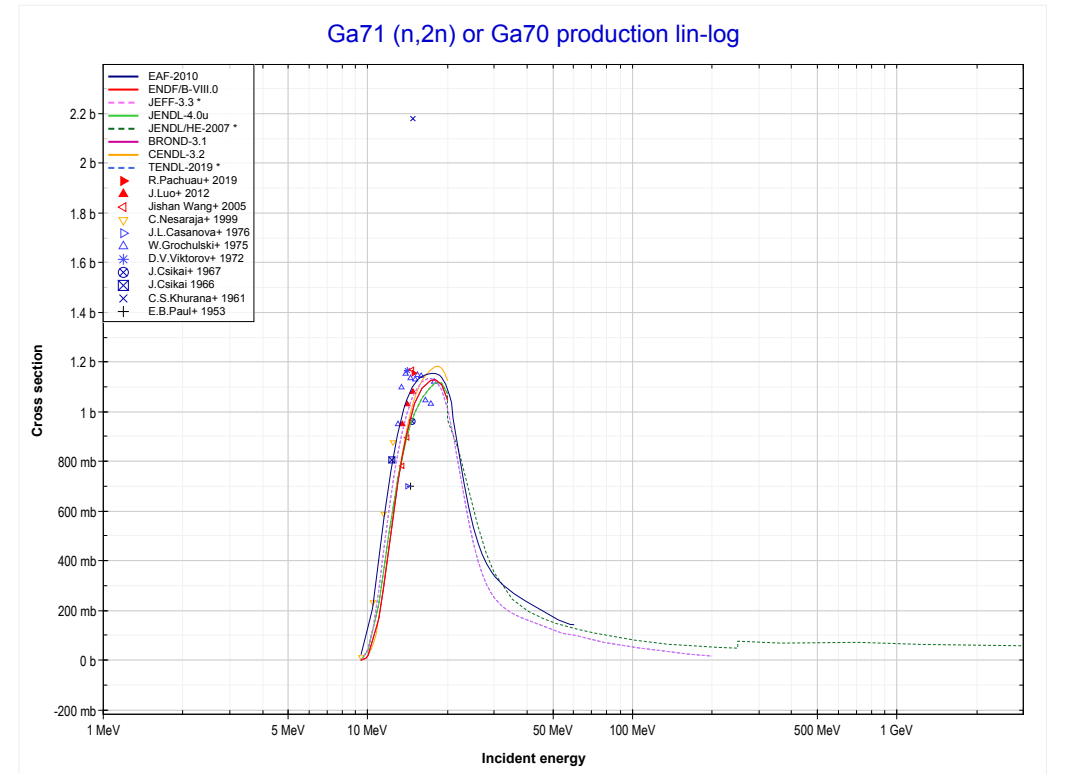
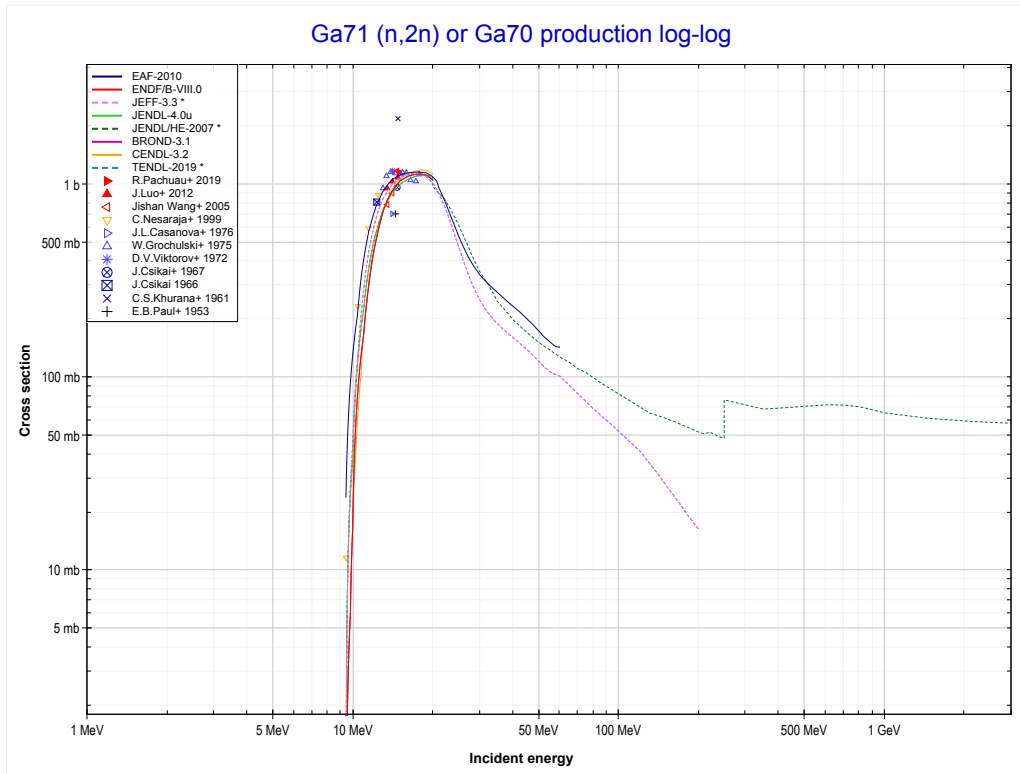
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.0078 b | 10.0078 b | 10.687 b | 1.06784 | 356.526 b | 3.83613 b | 3.2771 b |
| JEFF-3.3 | 8.56917 b | 8.56917 b | 9.0811 b | 1.05975 | 319.545 b | 4.08396 b | 3.21974 b |
| JENDL-4.0u | 8.98368 b | 8.98368 b | 9.6619 b | 1.0755 | 355.383 b | 3.81918 b | 3.27713 b |
| JENDL/HE-2007 | 8.98261 b | 8.98261 b | 9.6601 b | 1.07542 | 355.214 b | 3.81981 b | 3.27713 b |
| BROND-3.1 | 10.0078 b | 10.0078 b | 10.687 b | 1.06784 | 356.526 b | 3.83613 b | 3.2771 b |
| CENDL-3.2 | 10.0064 b | 10.0064 b | 10.684 b | 1.06774 | 356.548 b | 3.85305 b | 3.283 b |
| TENDL-2019 | 11.075 b | 11.075 b | 11.906 b | 1.07506 | 309.277 b | 4.08652 b | 3.21974 b |

| | | |
|------------------|------------------------|----------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



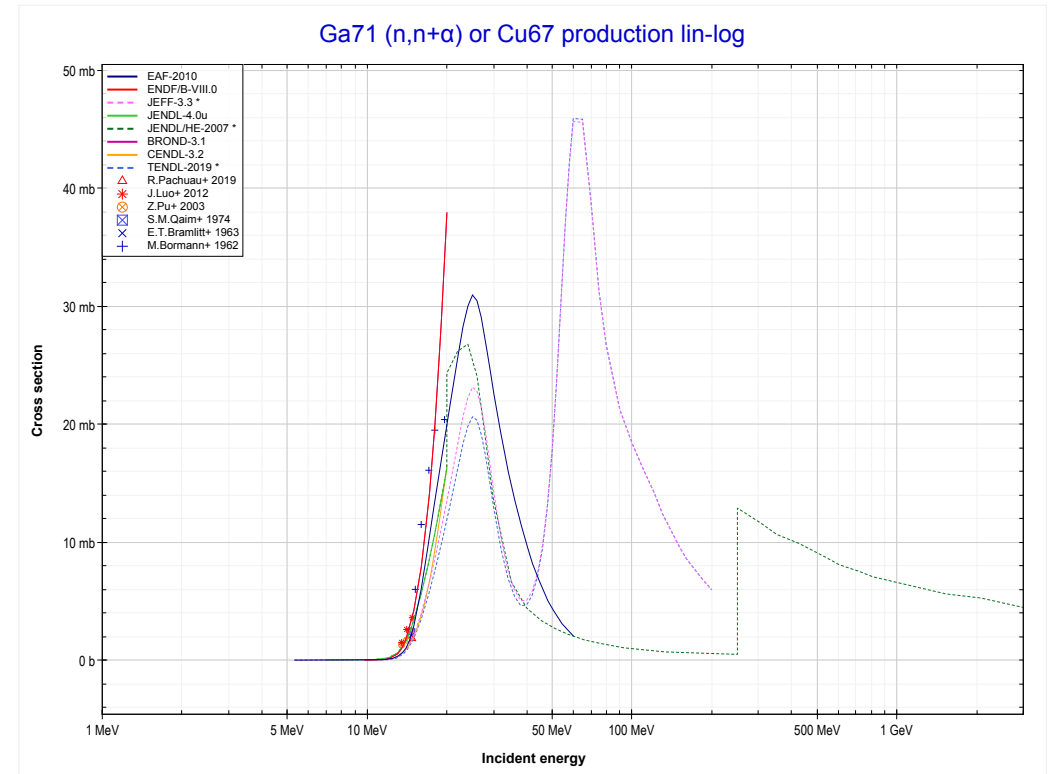
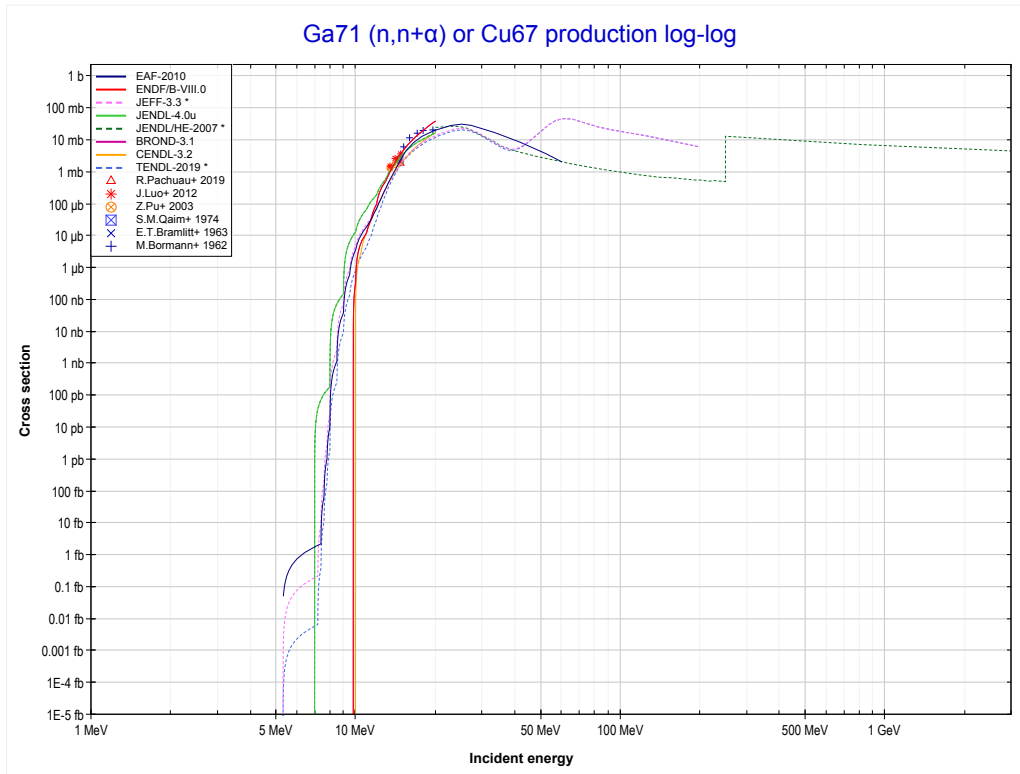
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.27621 b | 5.27621 b | 5.9531 b | 1.12829 | 323.871 b | 2.89501 b | 1.62215 b |
| JEFF-3.3 | 3.97542 b | 3.97542 b | 4.4853 b | 1.12827 | 289.517 b | 2.94953 b | 1.64215 b |
| JENDL-4.0u | 5.27345 b | 5.27345 b | 5.95 b | 1.12829 | 323.274 b | 2.90953 b | 1.66757 b |
| JENDL/HE-2007 | 5.27345 b | 5.27345 b | 5.9503 b | 1.12835 | 323.092 b | 2.90997 b | 1.66757 b |
| BROND-3.1 | 5.27621 b | 5.27621 b | 5.9531 b | 1.12829 | 323.871 b | 2.89501 b | 1.62215 b |
| CENDL-3.2 | 5.27621 b | 5.27621 b | 5.9534 b | 1.12835 | 323.857 b | 2.93478 b | 1.6234 b |
| TENDL-2019 | 6.47262 b | 6.47262 b | 7.3033 b | 1.12834 | 280.721 b | 2.95231 b | 1.64215 b |

| | | |
|--------------------|---|-----------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-70 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ga70 production) | MT22 (n,n+α) >> |



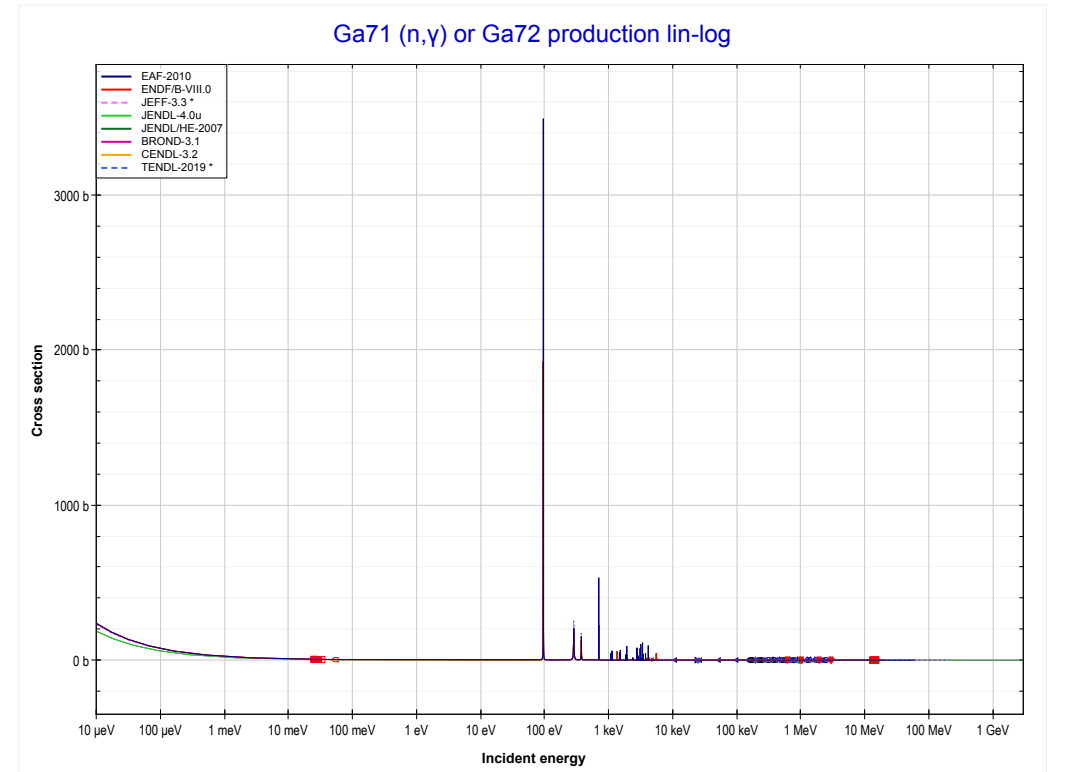
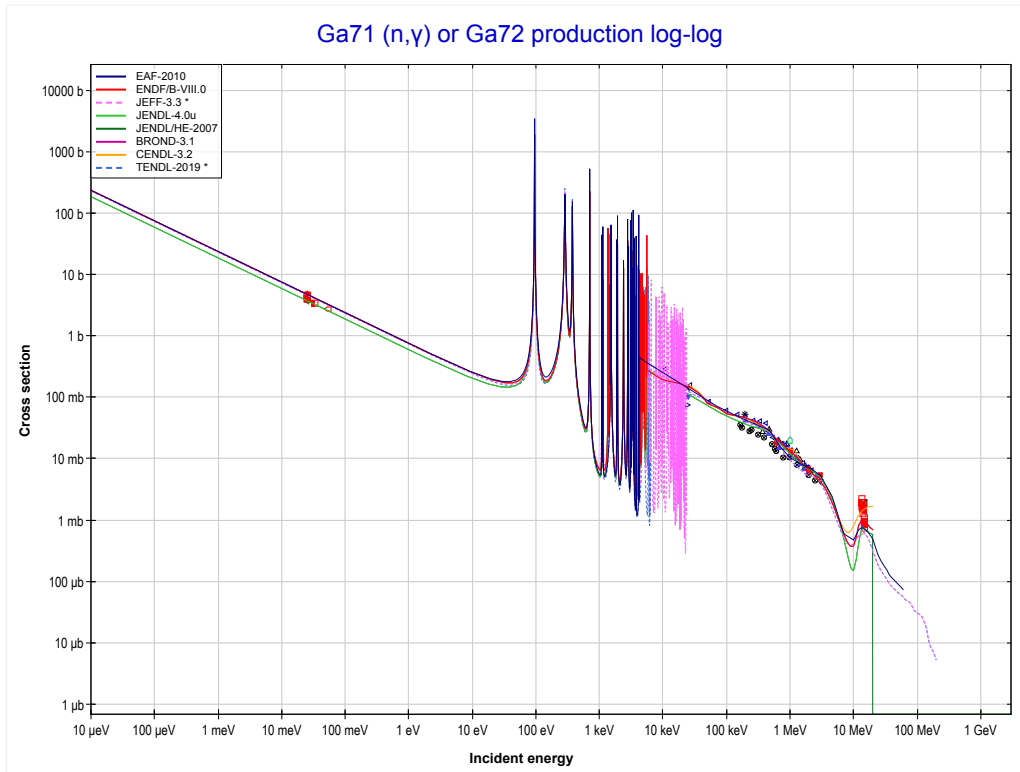
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00100479 b | 1.04586 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.89313E-4 b | 0.90828 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.78237E-4 b | 0.986785 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.77776E-4 b | 0.89307 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.77818E-4 b | 0.89307 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.89313E-4 b | 0.90828 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.87151E-4 b | 0.92184 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.79286E-4 b | 0.98775 b |

| | | |
|----------------|--|----------------|
| << 30-Zn-70 | 31-Ga-71 | 32-Ge-76 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Cu67 production) | MT102 (n,γ) >> |



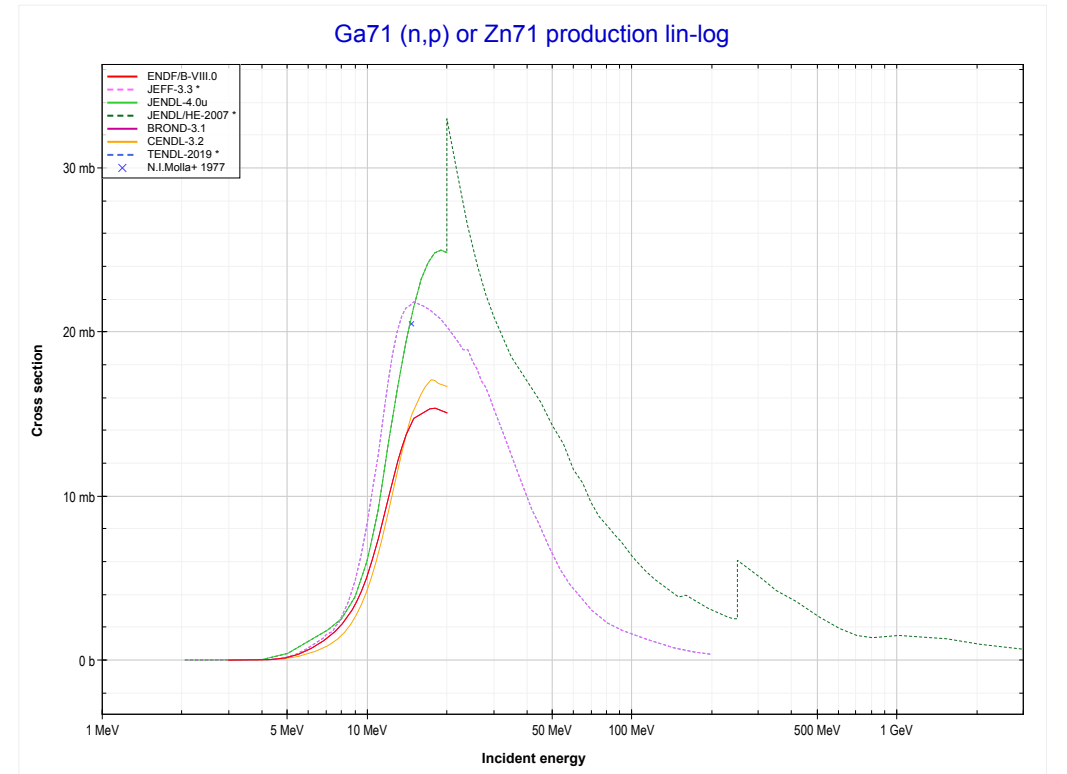
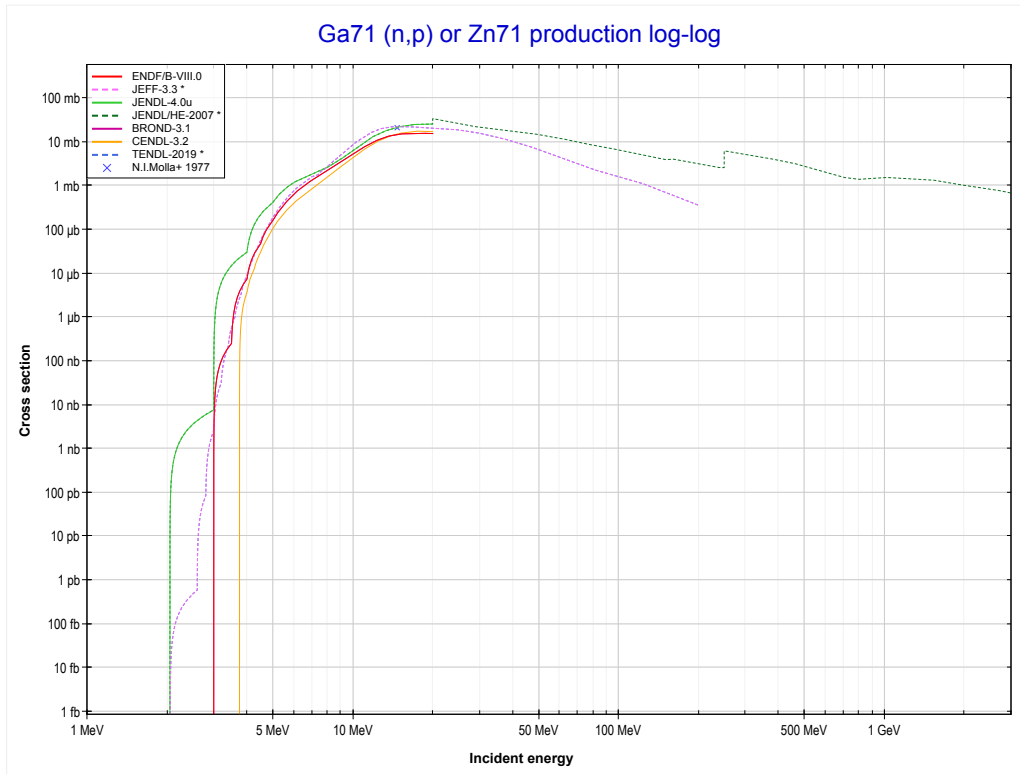
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.59479E-7 b | 0.0017382 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.84863E-7 b | 8.77608E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.25141E-7 b | 0.00158265 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.25138E-7 b | 0.00158265 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.59479E-7 b | 0.0017382 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.7176E-7 b | 8.8076E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85384E-7 b | 7.17684E-4 b |

| | | |
|-----------------|---|----------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-Nat >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Ga72 production) | MT103 (n,p) >> |



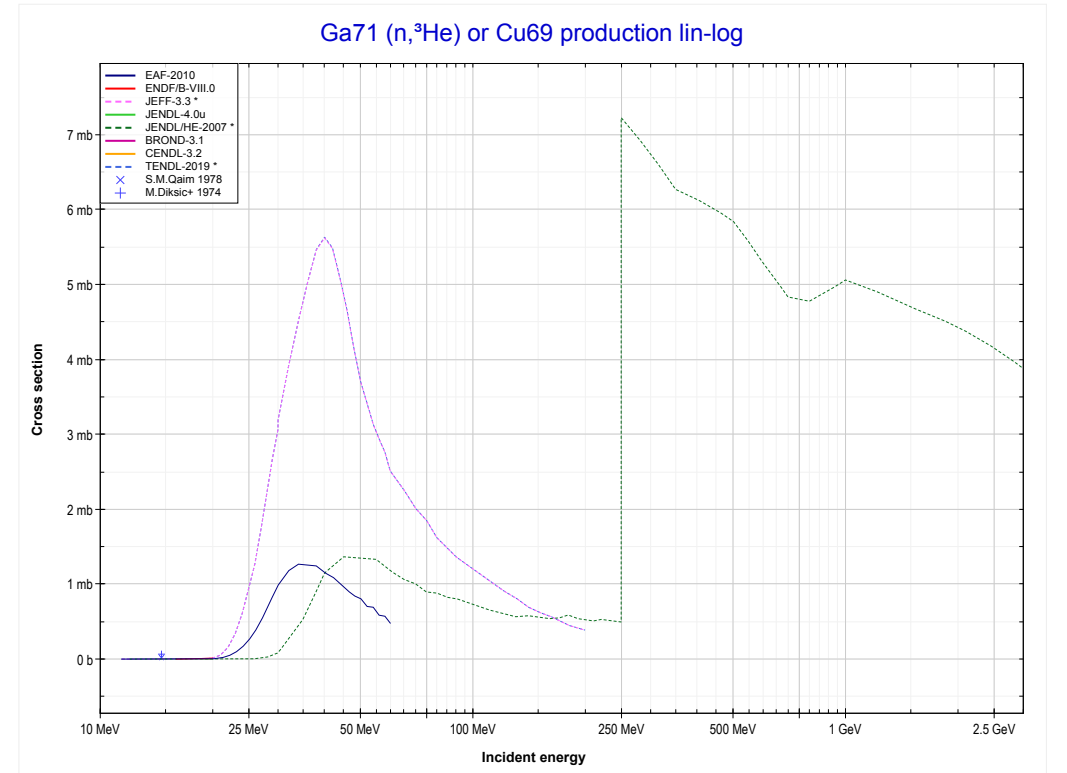
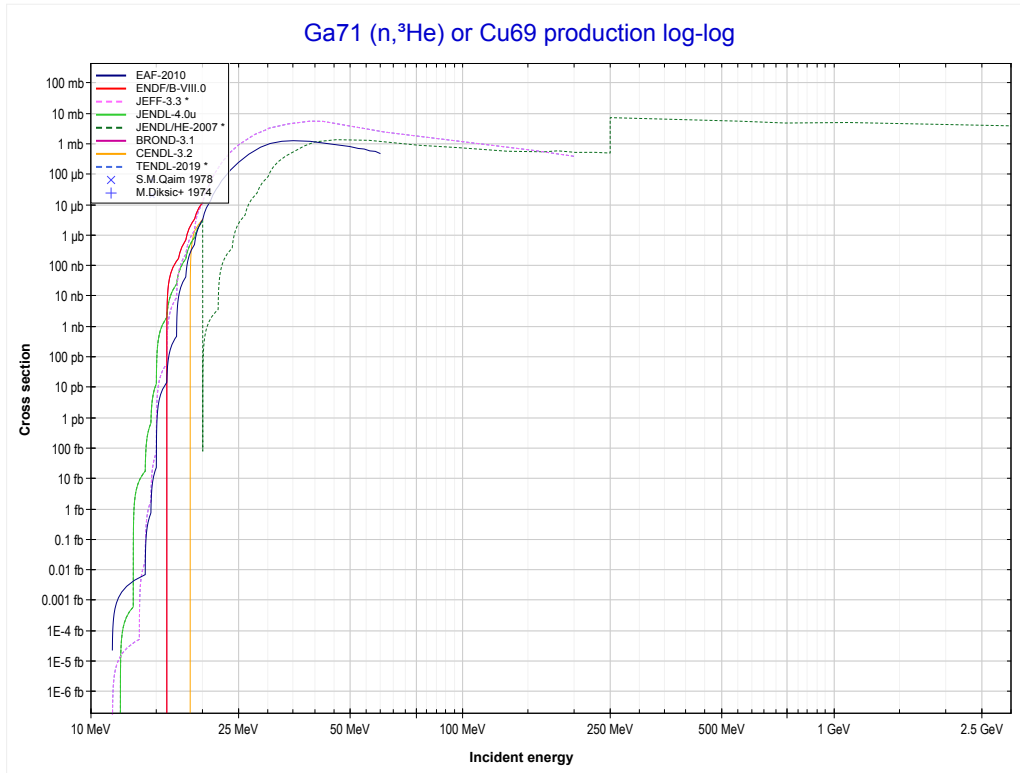
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.7124 b | 4.70887 b | 4.7092 b | 1.00007 | 34.5016 b | 0.012922 b | 7.5E-4 b |
| ENDF/B-VIII.0 | 4.73158 b | 4.73158 b | 4.7337 b | 1.00045 | 32.6558 b | 0.01353 b | 0.0010307 b |
| JEFF-3.3 | 4.59375 b | 4.59375 b | 4.5958 b | 1.00045 | 30.028 b | 0.0116162 b | 5.93637E-4 b |
| JENDL-4.0u | 3.71023 b | 3.71023 b | 3.712 b | 1.00047 | 32.1089 b | 0.0123557 b | 7.4482E-4 b |
| JENDL/HE-2007 | 3.70916 b | 3.70916 b | 3.7097 b | 1.00016 | 32.0948 b | 0.0123533 b | 7.4482E-4 b |
| BROND-3.1 | 4.73158 b | 4.73158 b | 4.7337 b | 1.00045 | 32.6558 b | 0.01353 b | 0.0010307 b |
| CENDL-3.2 | 4.73021 b | 4.73021 b | 4.7308 b | 1.00013 | 32.6635 b | 0.0134015 b | 0.0014559 b |
| TENDL-2019 | 4.60235 b | 4.60235 b | 4.6029 b | 1.00011 | 28.5386 b | 0.0116289 b | 5.92628E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-70 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Zn71 production) | MT106 (n, ^3He) >> |



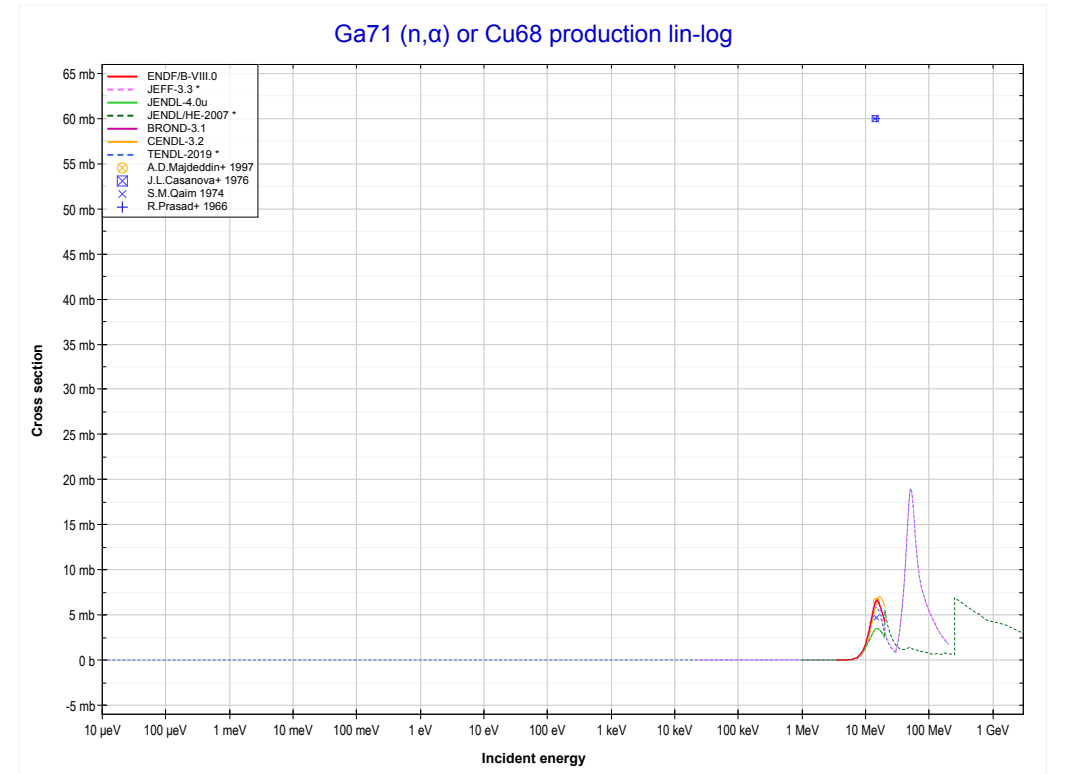
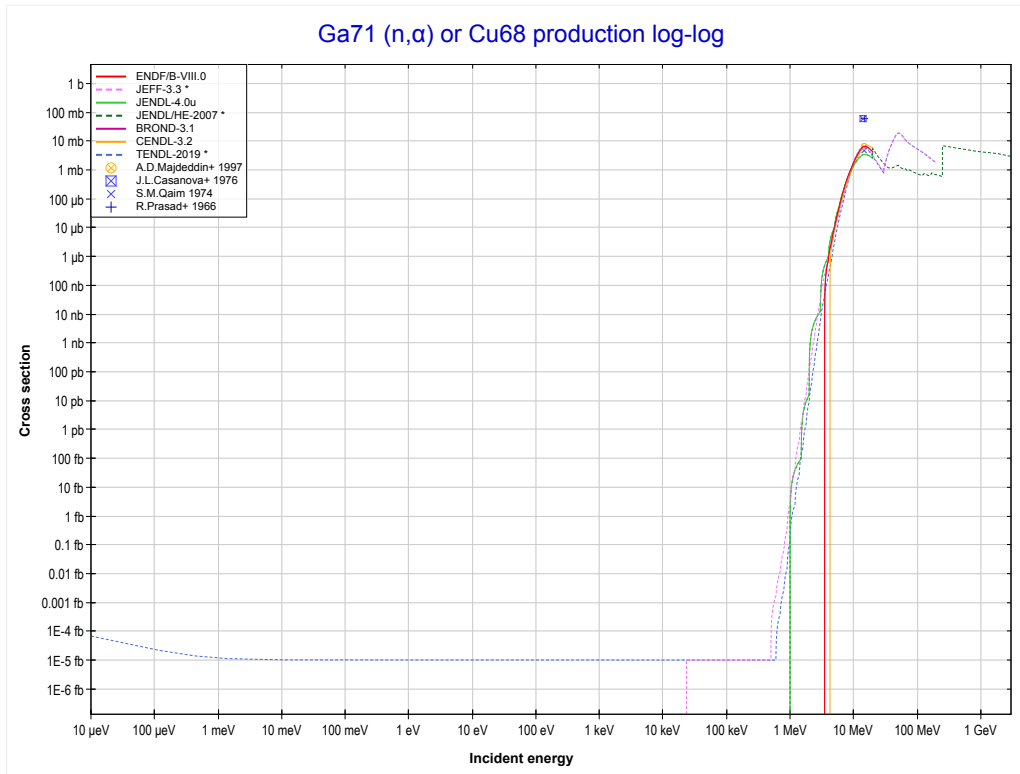
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.46378E-5 b | 0.013699 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.96431E-5 b | 0.0214692 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.14569E-4 b | 0.0193746 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14569E-4 b | 0.0193746 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.46378E-5 b | 0.013699 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.42422E-5 b | 0.013659 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.96416E-5 b | 0.0214664 b |

| | | |
|----------------|--|----------------|
| << 30-Zn-68 | 31-Ga-71 | 32-Ge-74 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Cu69 production) | MT107 (n,α) >> |



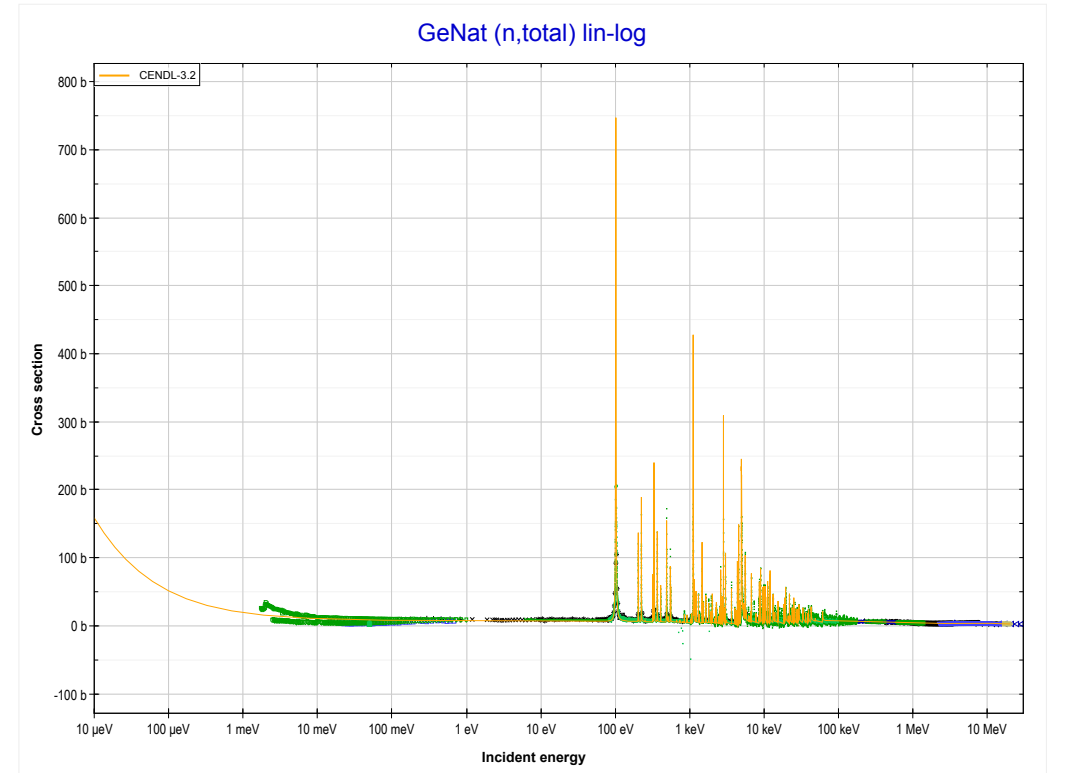
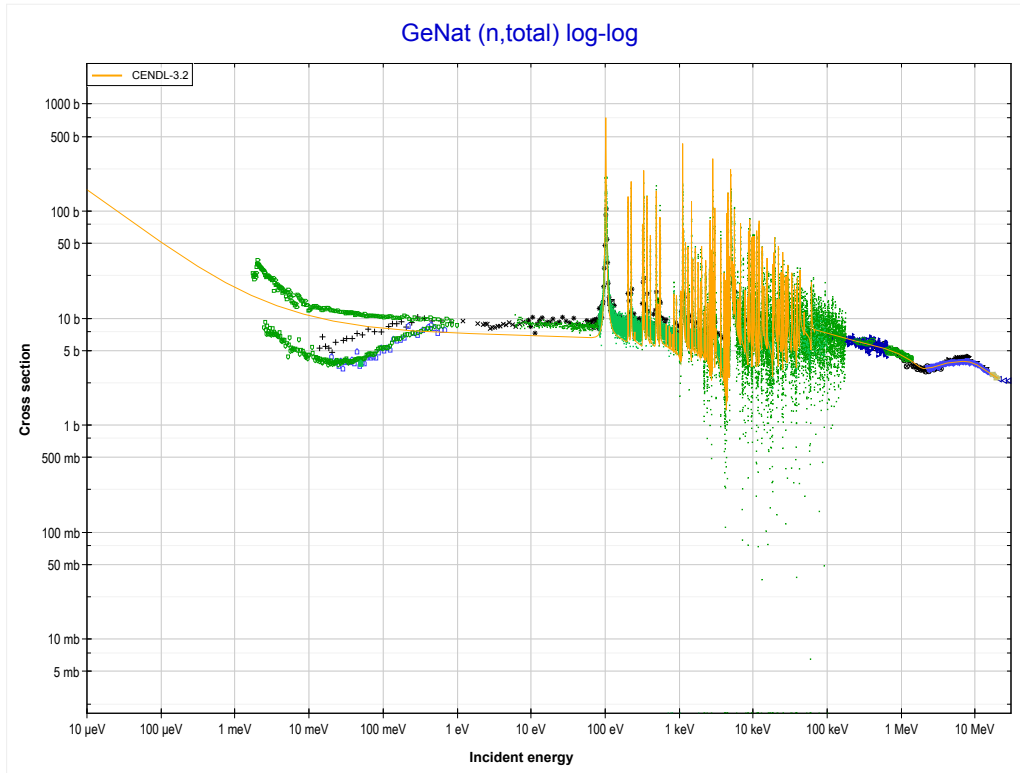
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.90598E-12 b | 6.94548E-18 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20529E-11 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33675E-11 b | 1.83784E-17 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.48798E-12 b | 1.7475E-14 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.48797E-12 b | 1.7475E-14 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20529E-11 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.70035E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33666E-11 b | 1.8389E-17 b |

| | | |
|-------------------------------|---|----------------------------|
| << 31-Ga-69 | 31-Ga-71 | 32-Ge-72 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Cu68 production) | 32-Ge-Nat MT1 (n,total) >> |



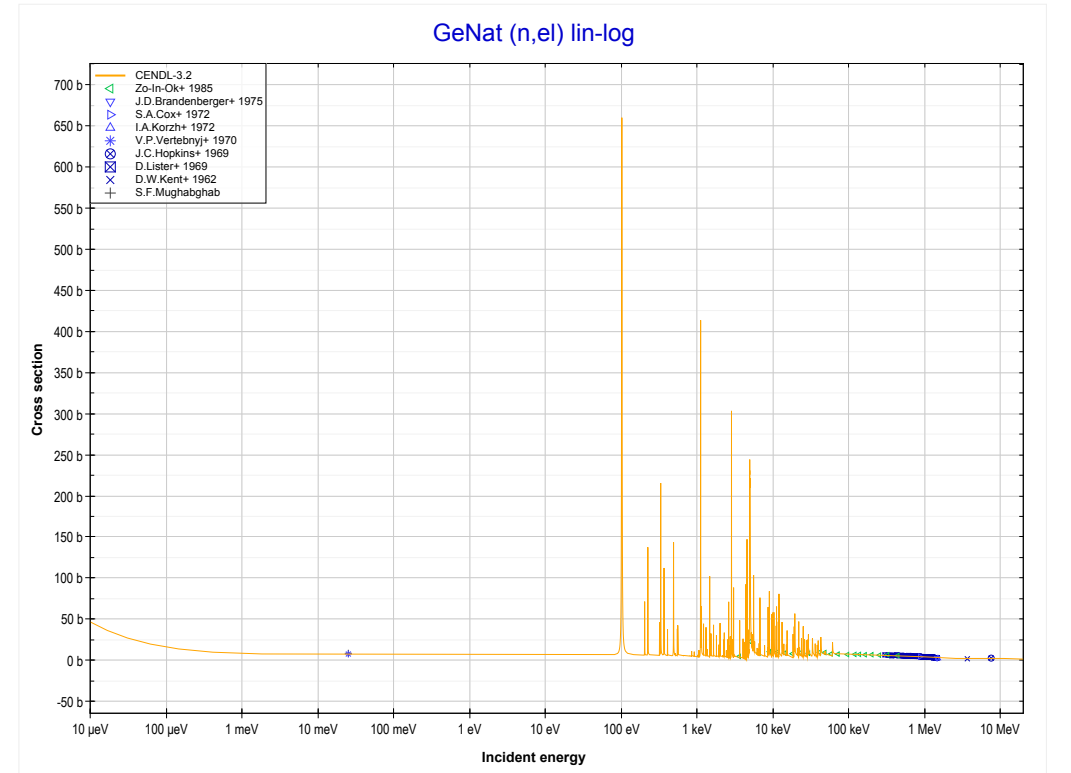
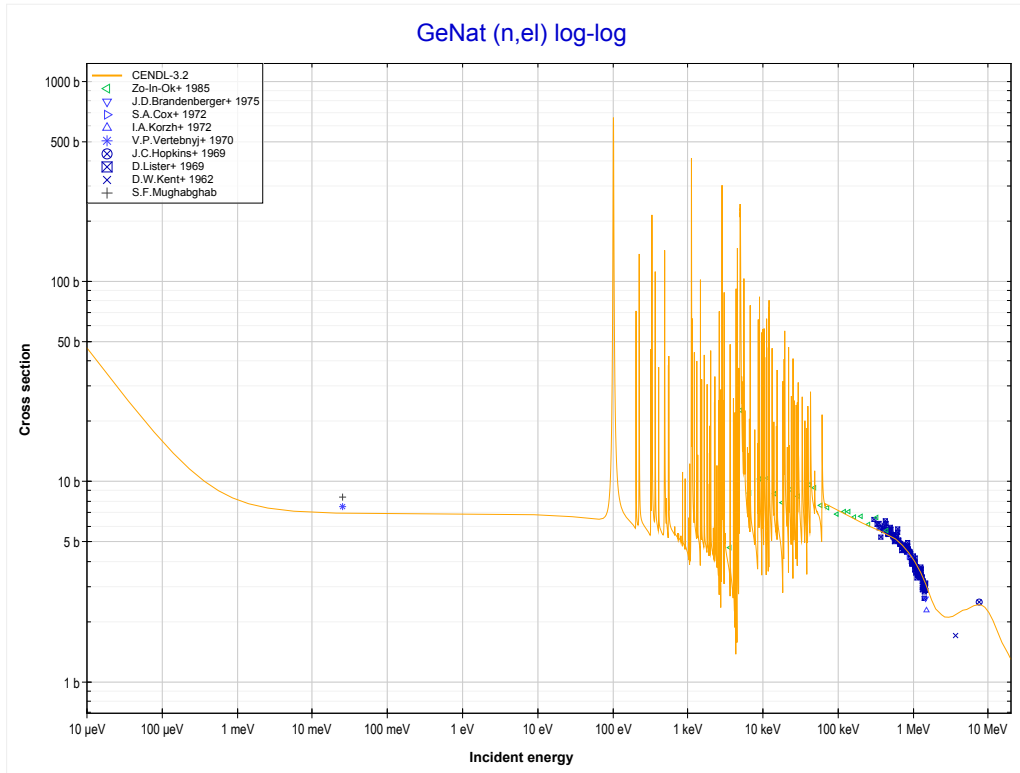
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.75786E-5 b | 0.0063627 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.45001E-20 b | 1.60831E-5 b | 0.00649507 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.47468E-5 b | 0.00341084 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47468E-5 b | 0.00341084 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.75786E-5 b | 0.0063627 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32476E-5 b | 0.0057904 b |
| TENDL-2019 | 1.0071E-20 b | 1.0071E-20 b | 1.1365E-20 b | 1.12844 | 1.22086E-19 b | 1.30936E-5 b | 0.00575987 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 31-Ga-71 | 32-Ge-Nat | 32-Ge-70 >> |
| << 31-Ga-71 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



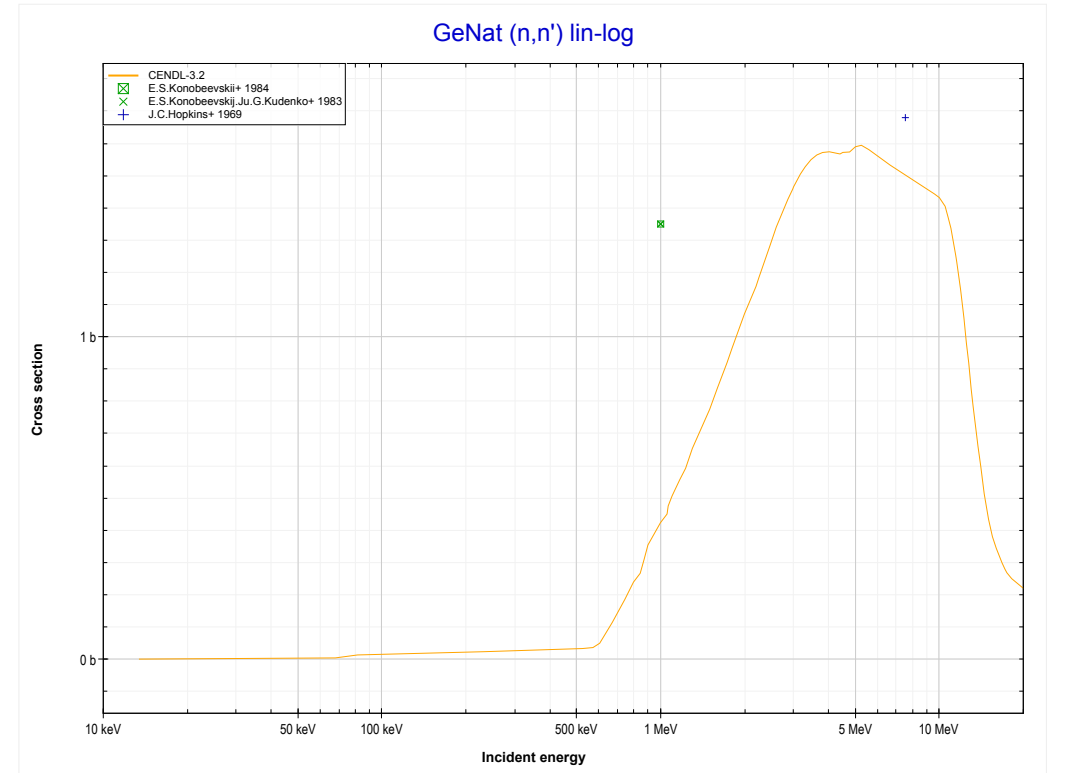
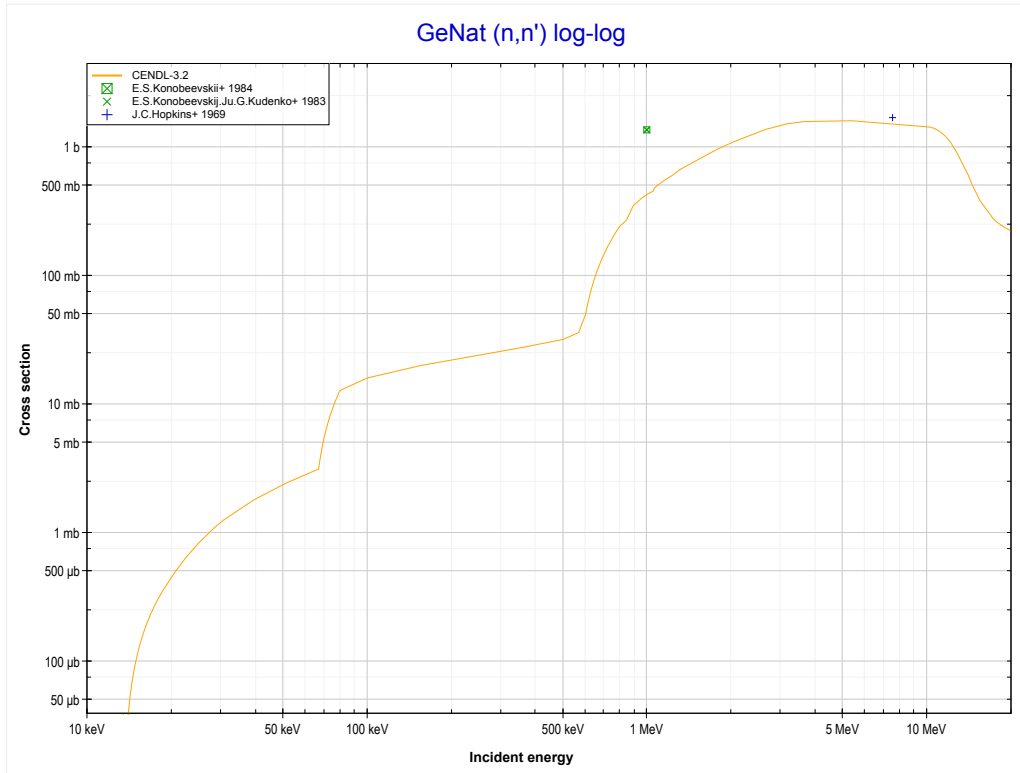
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 9.17737 b | 9.17737 b | 10.07 b | 1.09723 | 126.025 b | 4.2874 b | 3.211 b |

| | | |
|------------------|------------------------|---------------|
| << 31-Ga-71 | 32-Ge-Nat | 32-Ge-70 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



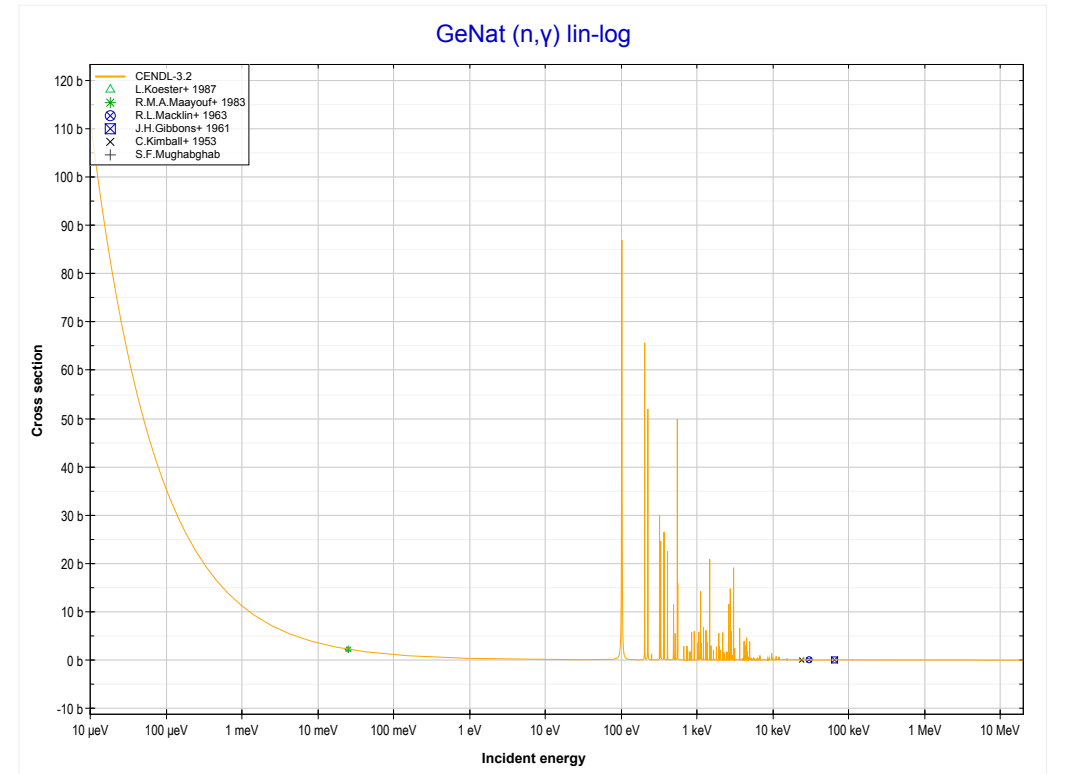
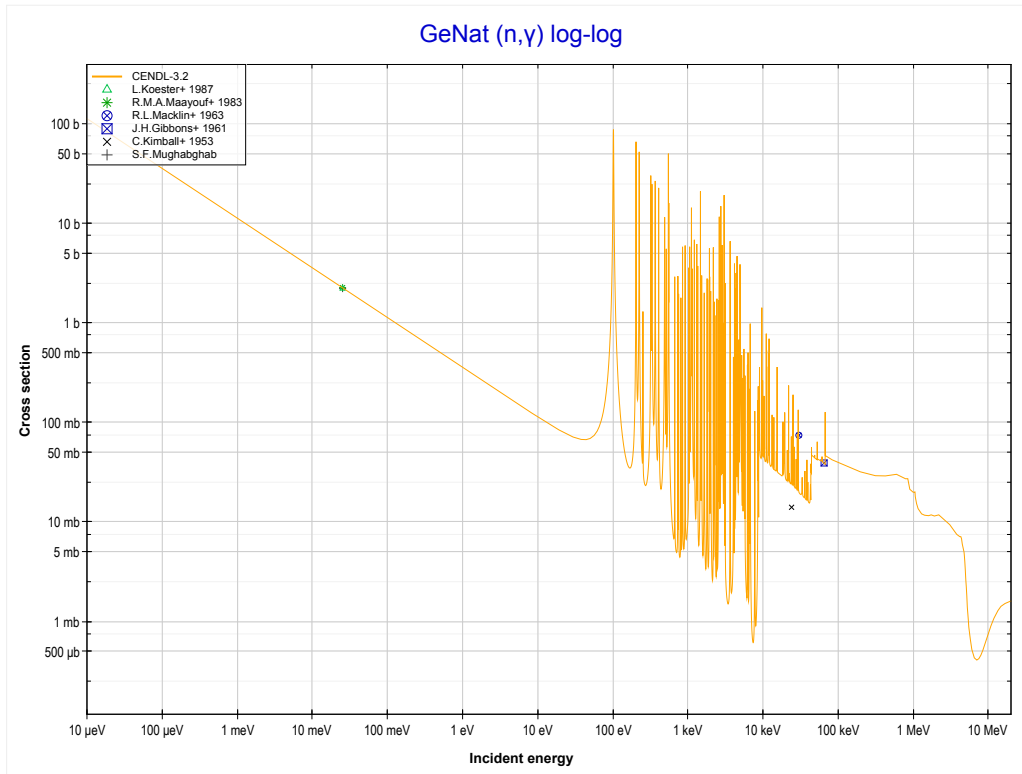
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 6.94897 b | 6.94897 b | 7.8412 b | 1.12839 | 120.08 b | 3.45044 b | 1.68589 b |

| | | |
|--------------------|-------------------|-------------------------|
| << 29-Cu-65 | 32-Ge-Nat | 32-Ge-76 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT102 (n, γ) >> |



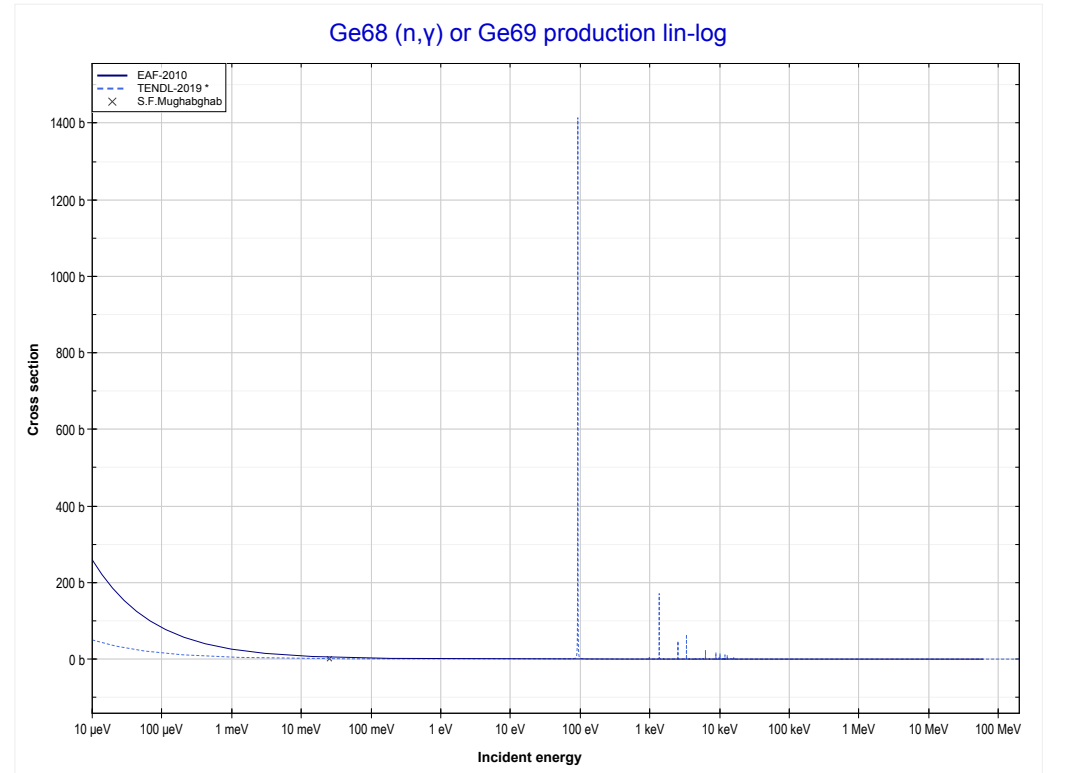
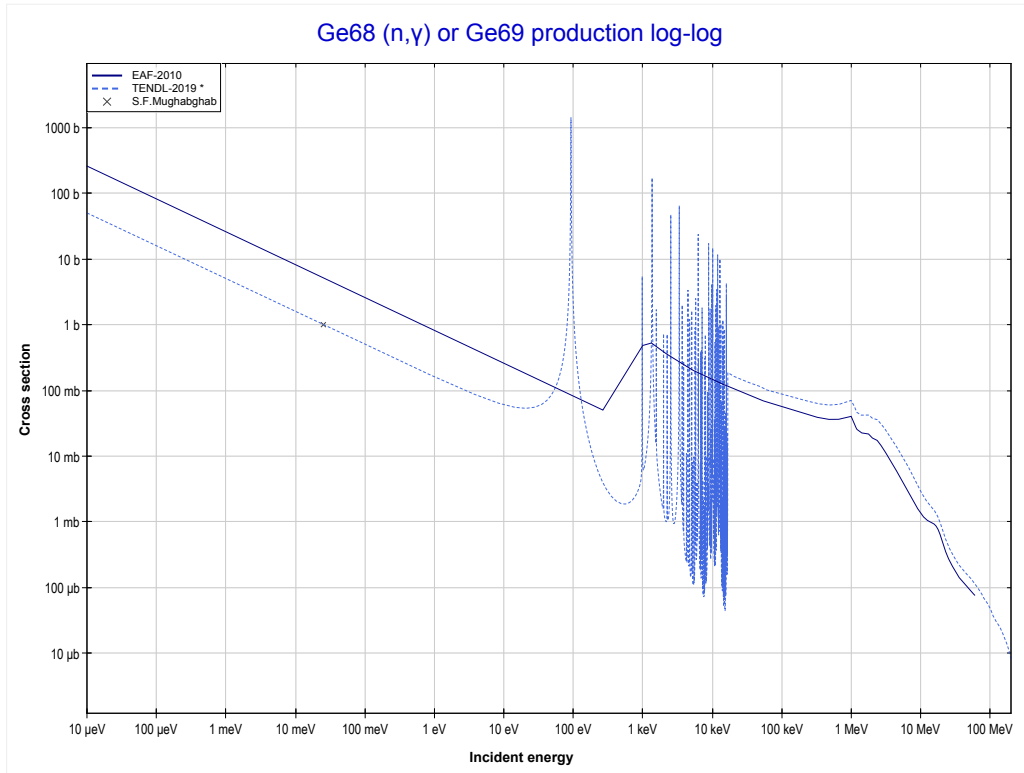
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.00659576 b | 0.819035 b | 0.611619 b |

| | | |
|---------------|--------------------------------------|----------------------------------|
| << 31-Ga-71 | 32-Ge-Nat | 32-Ge-68 >> |
| << MT4 (n,n') | MT102 (n,γ) | 32-Ge-68 MT102 (n, γ) >> |



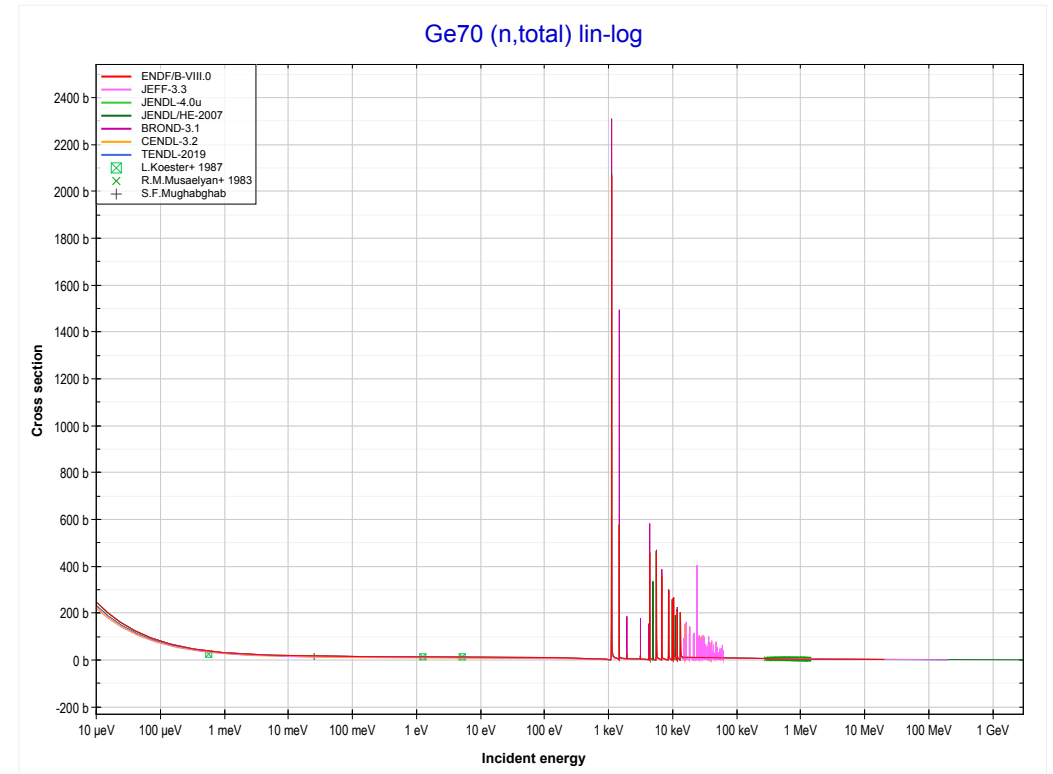
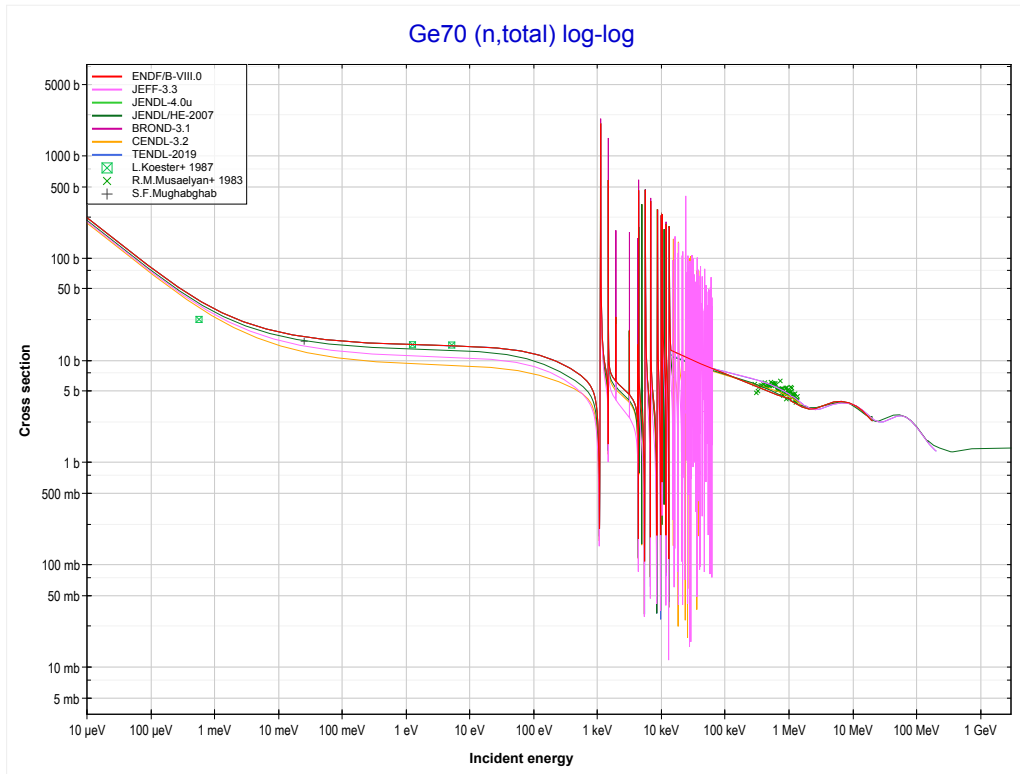
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 2.2284 b | 2.2284 b | 2.2285 b | 1.00006 | 5.93437 b | 0.0158922 b | 0.00135013 b |

| | | |
|--------------------------|---|---------------------------|
| << 32-Ge-Nat | 32-Ge-68 | 32-Ge-70 >> |
| << 32-Ge-Nat MT102 (n,y) | MT102 (n,y) or MT5 (Ge69 production) | 32-Ge-70 MT1 (n,total) >> |



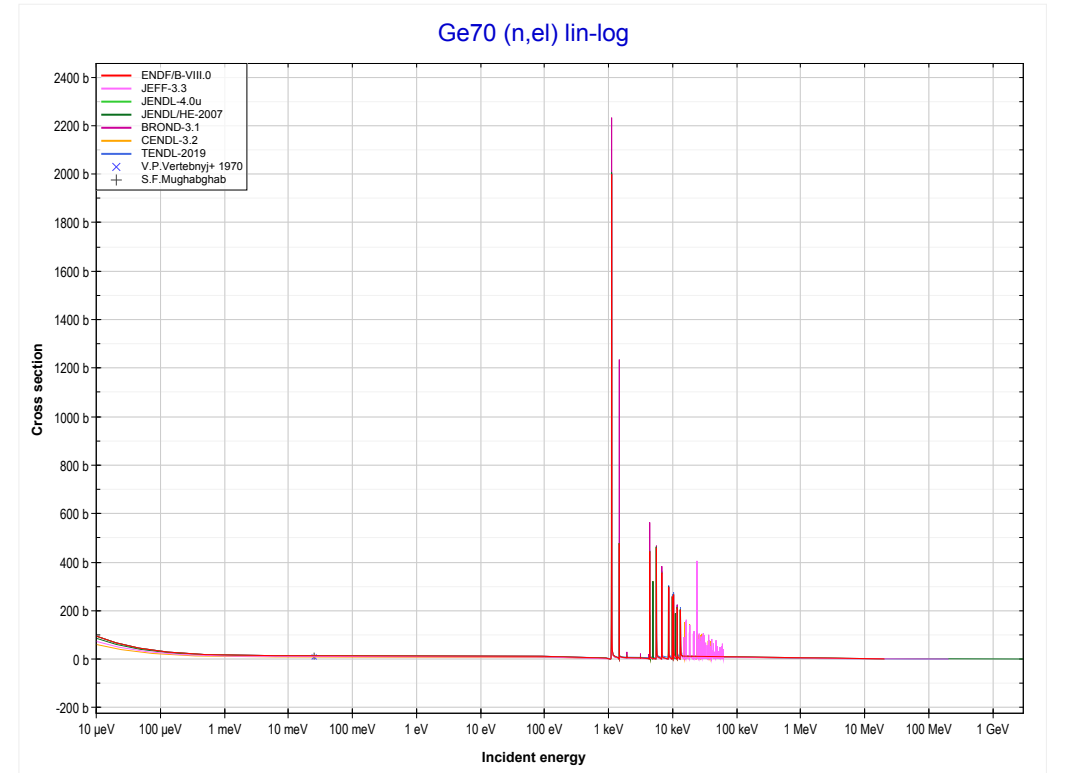
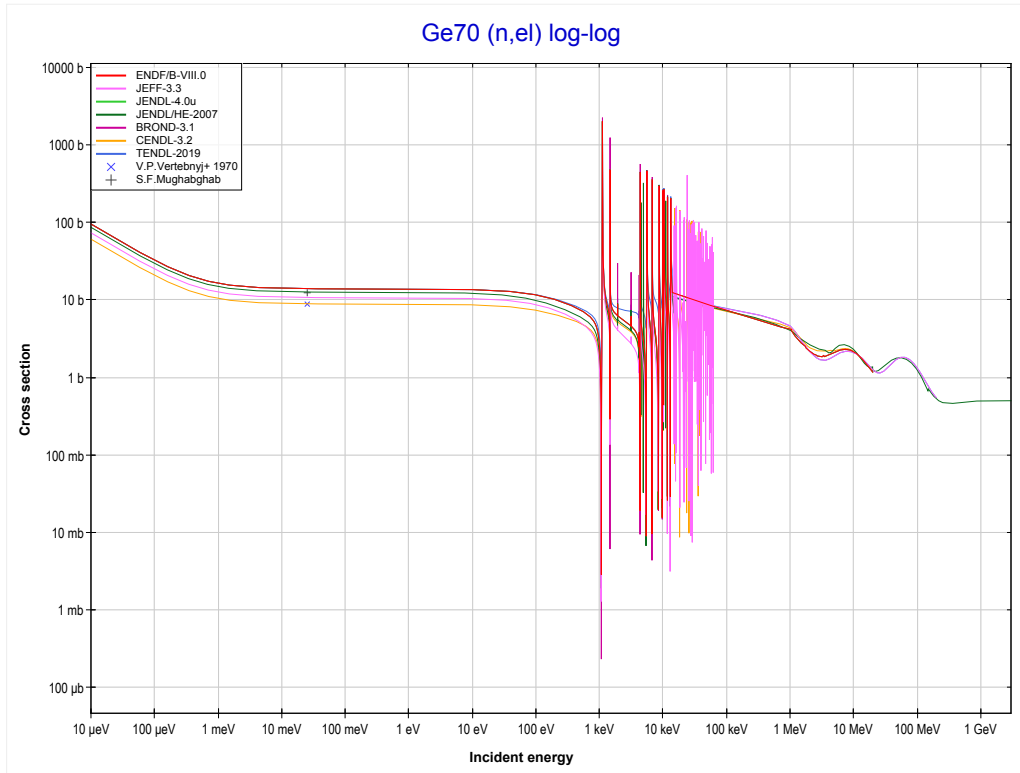
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.15759 b | 5.15372 b | 5.1539 b | 1.00004 | 3.39588 b | 0.0243051 b | 9.84921E-4 b |
| TENDL-2019 | 0.996653 b | 0.996653 b | 0.99692 b | 1.00027 | 19.4426 b | 0.0437866 b | 0.00171694 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 32-Ge-Nat | 32-Ge-70 | 32-Ge-72 >> |
| << 32-Ge-68 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



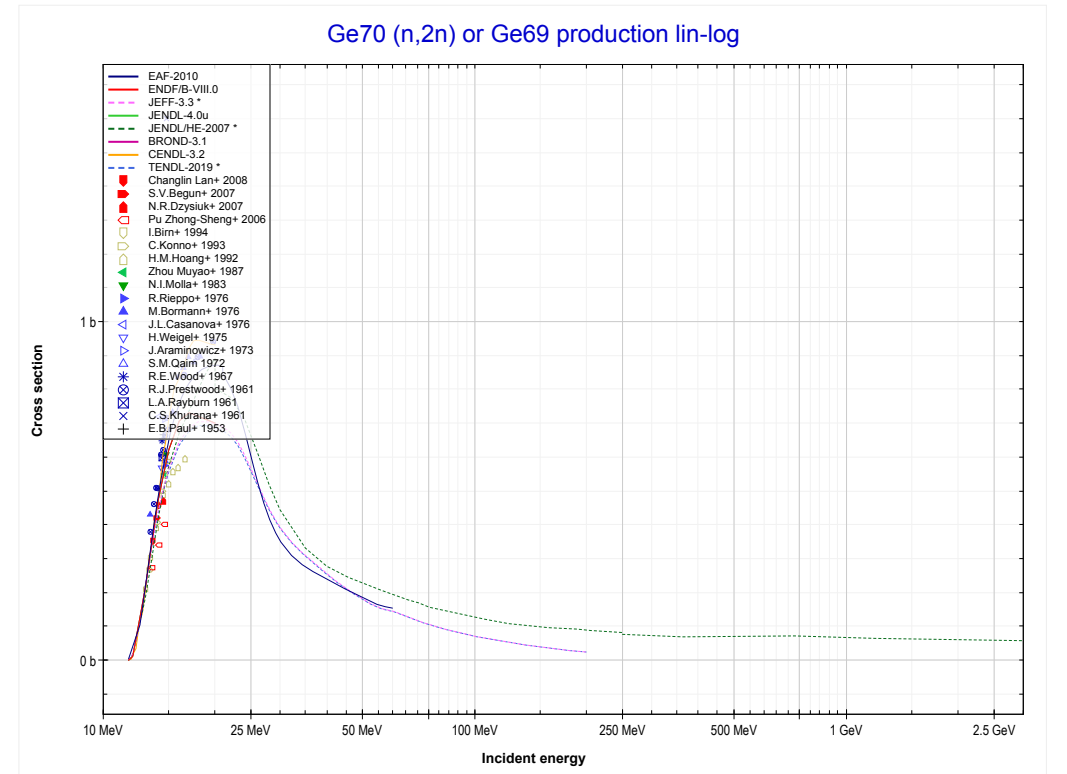
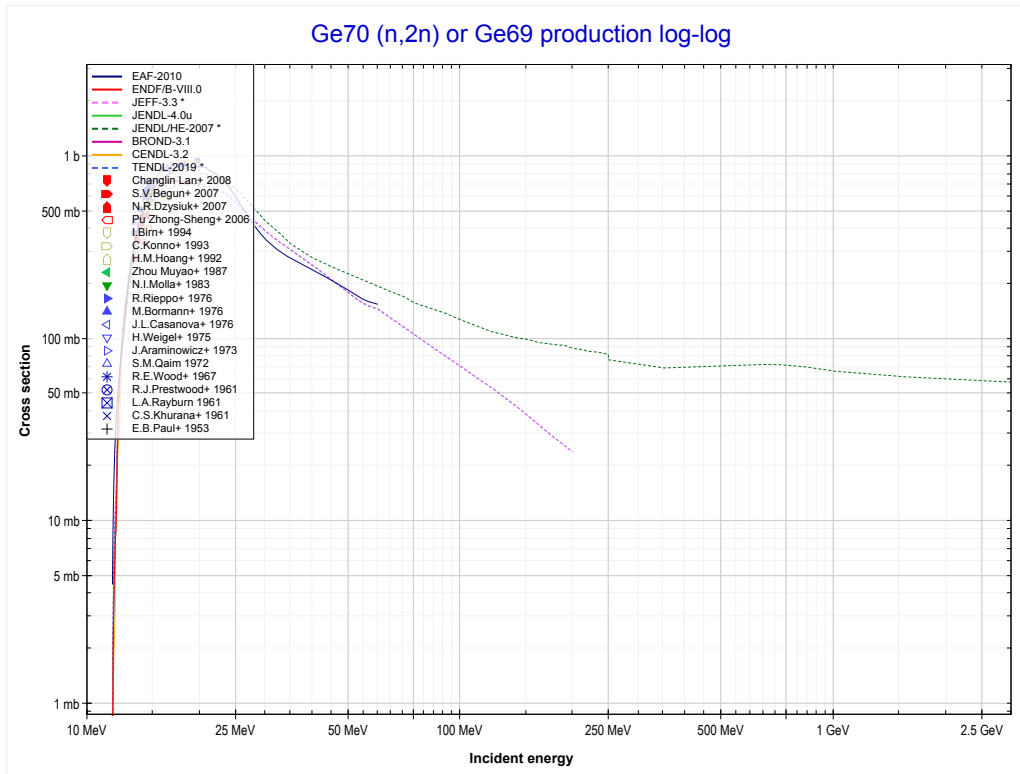
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 16.9464 b | 16.9464 b | 18.73 b | 1.10525 | 156.468 b | 4.08538 b | 3.22493 b |
| JEFF-3.3 | 13.7547 b | 13.7547 b | 15.127 b | 1.09976 | 133.671 b | 4.40004 b | 3.2721 b |
| JENDL-4.0u | 16.9464 b | 16.9464 b | 18.73 b | 1.10525 | 156.468 b | 4.08538 b | 3.22493 b |
| JENDL/HE-2007 | 15.5255 b | 15.5255 b | 17.141 b | 1.10408 | 142.909 b | 4.1447 b | 3.08363 b |
| BROND-3.1 | 16.9464 b | 16.9464 b | 18.73 b | 1.10525 | 156.449 b | 4.08537 b | 3.22493 b |
| CENDL-3.2 | 12.0339 b | 12.0339 b | 13.172 b | 1.09454 | 121.469 b | 4.22256 b | 3.1551 b |
| TENDL-2019 | 16.9457 b | 16.9457 b | 18.729 b | 1.10525 | 155.562 b | 4.37924 b | 3.27219 b |

| | | |
|------------------|------------------------|----------------|
| << 32-Ge-Nat | 32-Ge-70 | 32-Ge-72 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



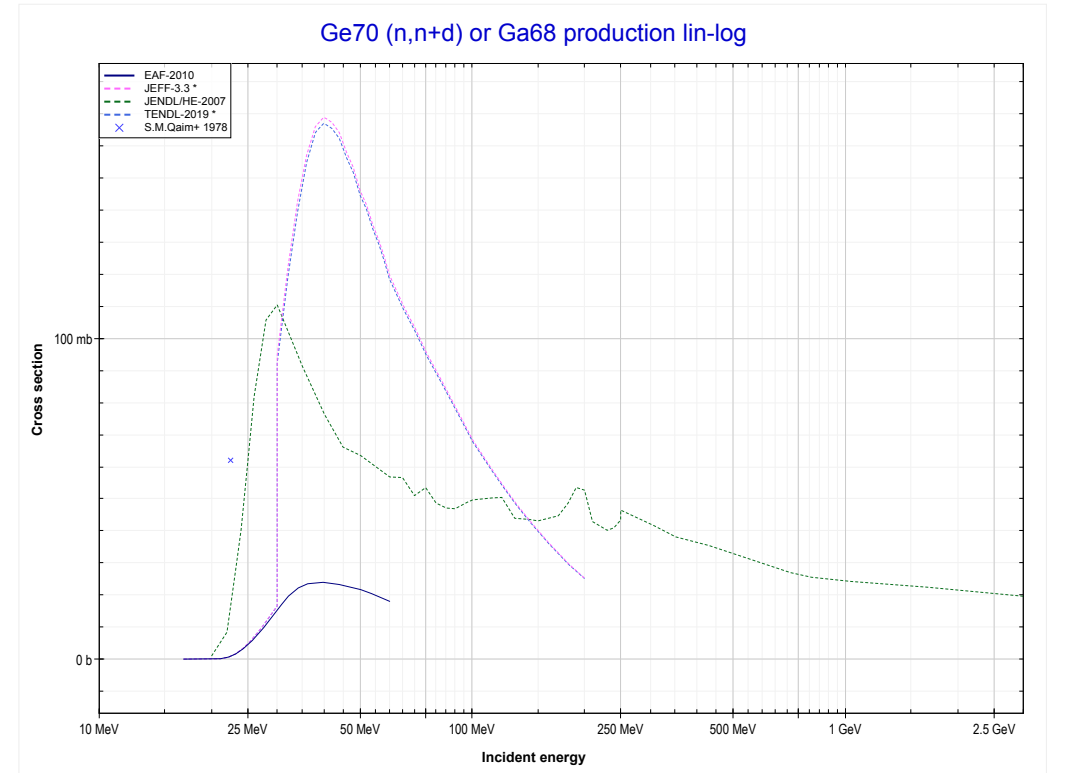
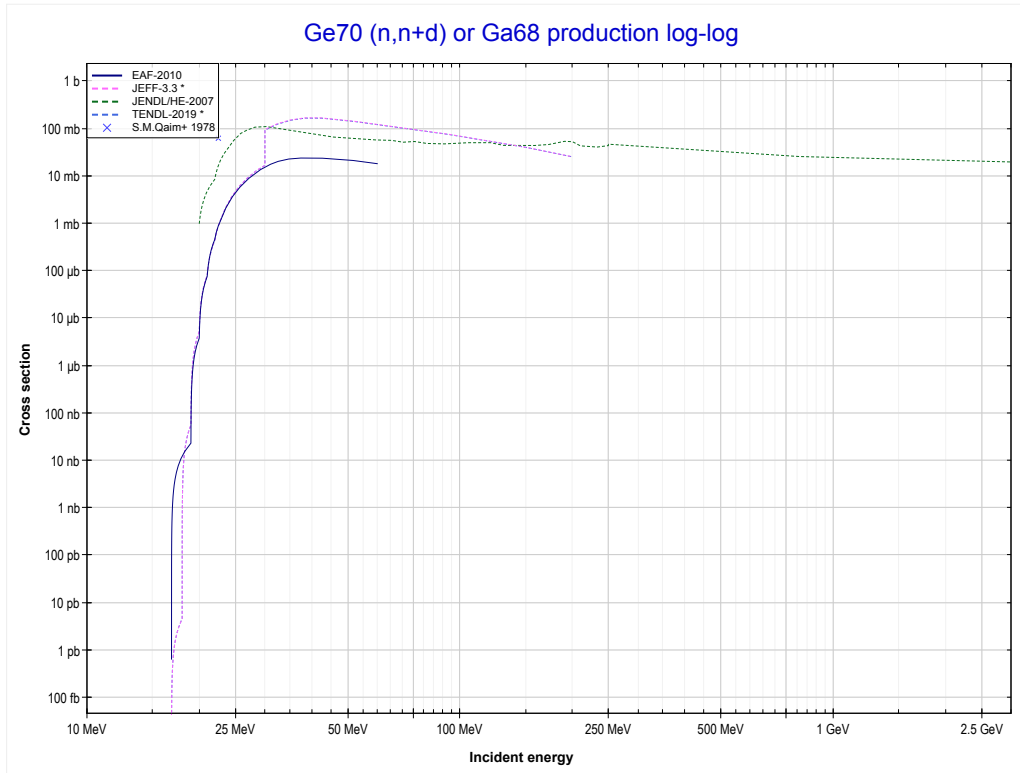
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 13.8939 b | 13.8939 b | 15.676 b | 1.1283 | 153.96 b | 3.25635 b | 1.69245 b |
| JEFF-3.3 | 10.6897 b | 10.6897 b | 12.061 b | 1.12829 | 131.364 b | 3.51584 b | 1.72502 b |
| JENDL-4.0u | 13.8939 b | 13.8939 b | 15.676 b | 1.1283 | 153.96 b | 3.25635 b | 1.69245 b |
| JENDL/HE-2007 | 12.5909 b | 12.5909 b | 14.207 b | 1.12834 | 140.545 b | 3.5136 b | 1.60327 b |
| BROND-3.1 | 13.8939 b | 13.8939 b | 15.676 b | 1.1283 | 153.941 b | 3.25634 b | 1.69245 b |
| CENDL-3.2 | 8.86387 b | 8.86387 b | 10.002 b | 1.12836 | 119.108 b | 3.52194 b | 1.6492 b |
| TENDL-2019 | 13.894 b | 13.894 b | 15.678 b | 1.12837 | 164.318 b | 3.50044 b | 1.72502 b |

| | | |
|--------------------|---|-----------------|
| << 31-Ga-71 | 32-Ge-70 | 32-Ge-72 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ge69 production) | MT32 (n,n+d) >> |



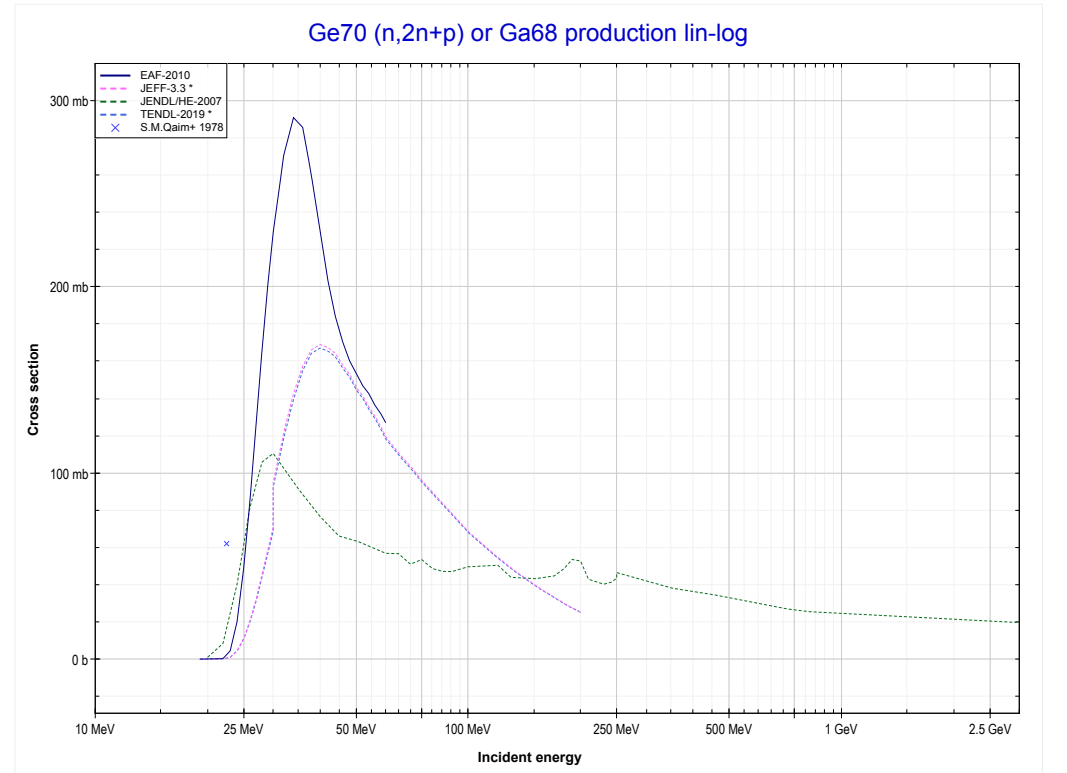
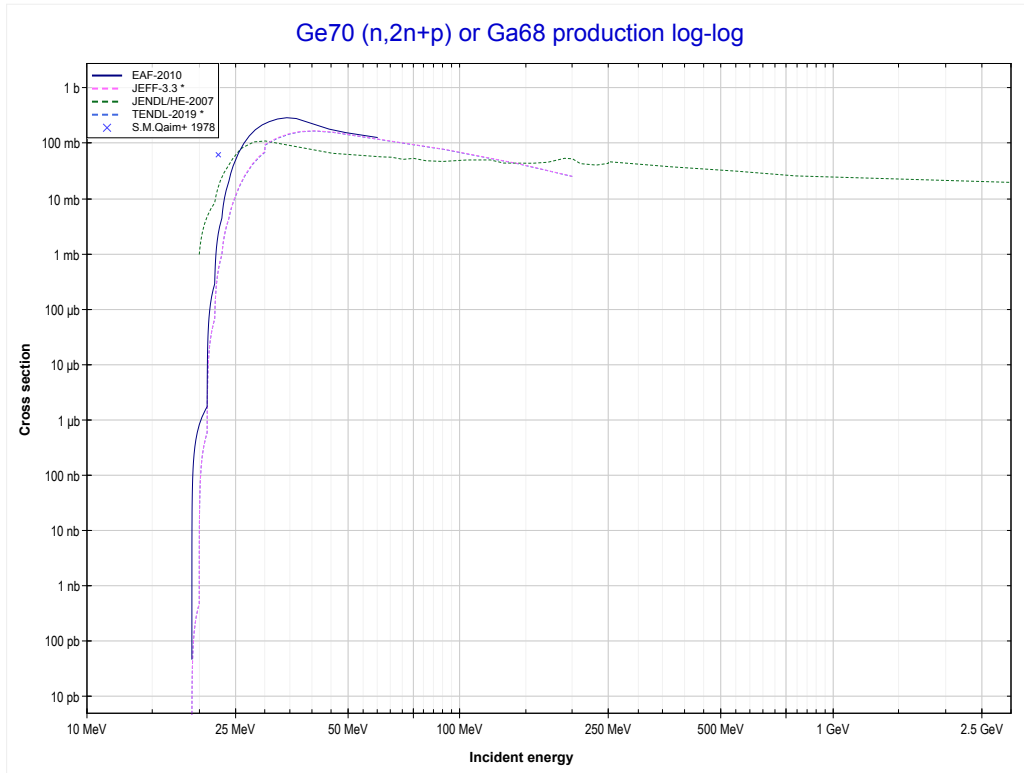
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.44523E-4 b | 0.472136 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37446E-4 b | 0.463851 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30677E-4 b | 0.432257 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.37446E-4 b | 0.463851 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26004E-4 b | 0.407096 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37446E-4 b | 0.463851 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45024E-4 b | 0.45254 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2893E-4 b | 0.426564 b |

| | | |
|----------------|--|------------------|
| << 30-Zn-64 | 32-Ge-70 | 34-Se-74 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (Ga68 production) | MT41 (n,2n+p) >> |



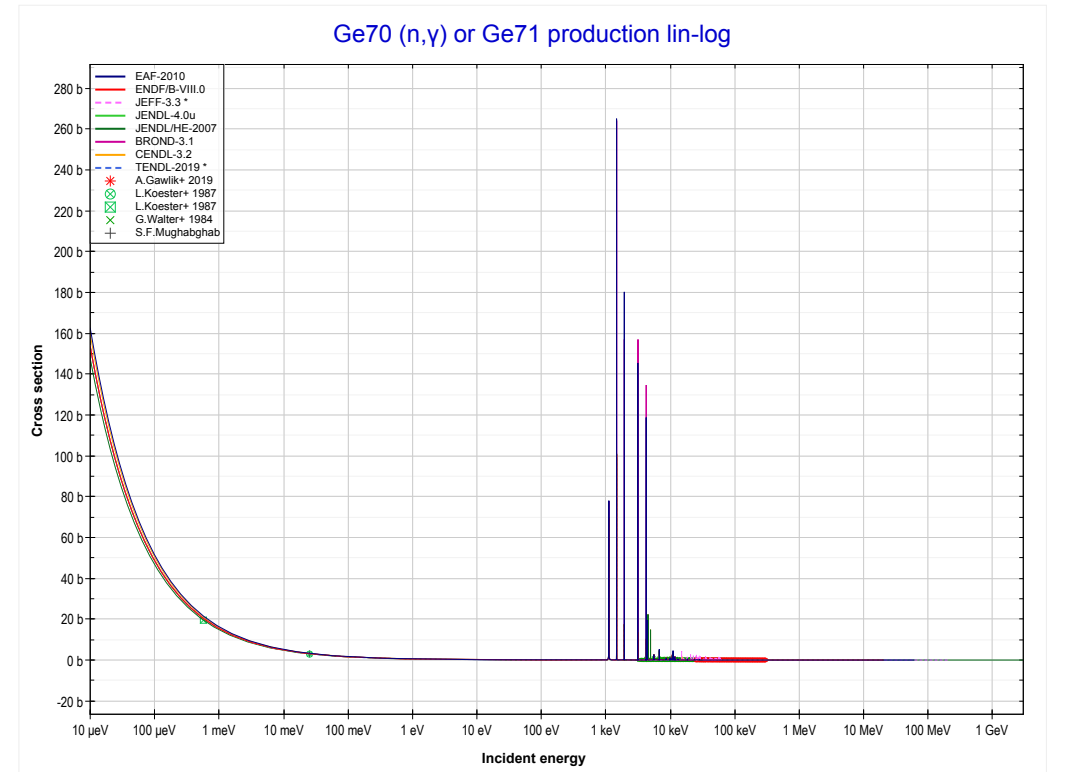
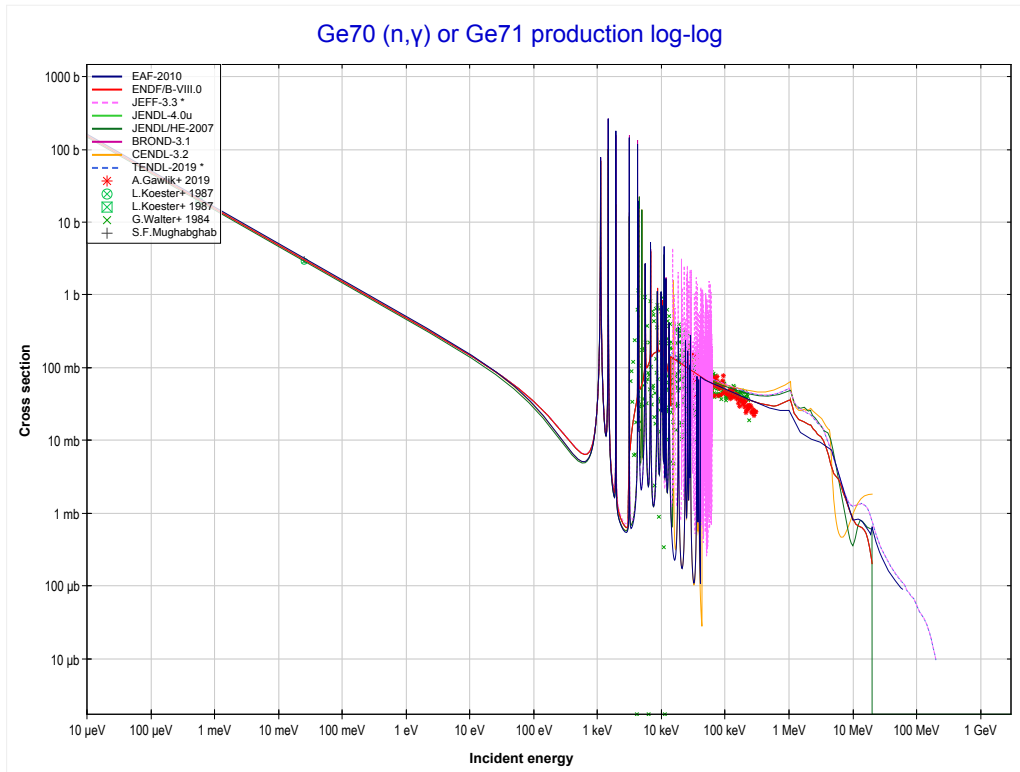
| Reaction | Q-Value |
|------------------|---------------|
| Ge70(n,t)Ga68 | -10354.39 keV |
| Ge70(n,n+d)Ga68 | -16611.62 keV |
| Ge70(n,2n+p)Ga68 | -18836.19 keV |

| | | |
|-----------------|---|-------------------------|
| << 30-Zn-64 | 32-Ge-70 | 34-Se-74 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Ga68 production) | MT102 (n, γ) >> |



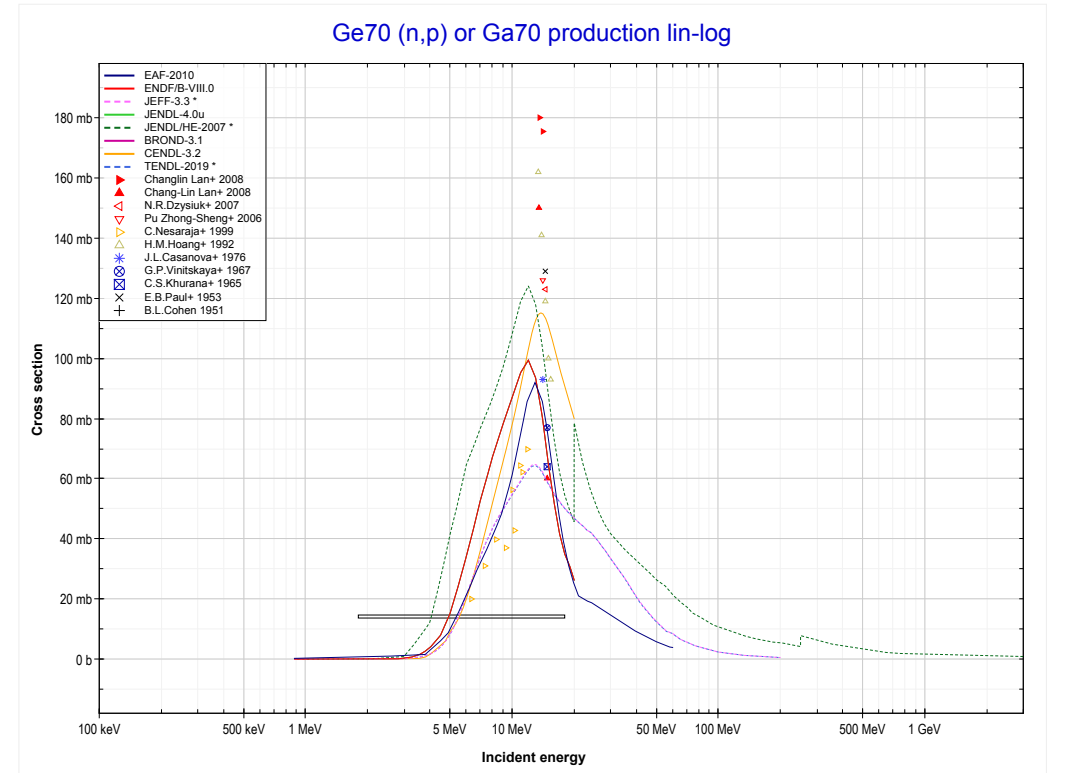
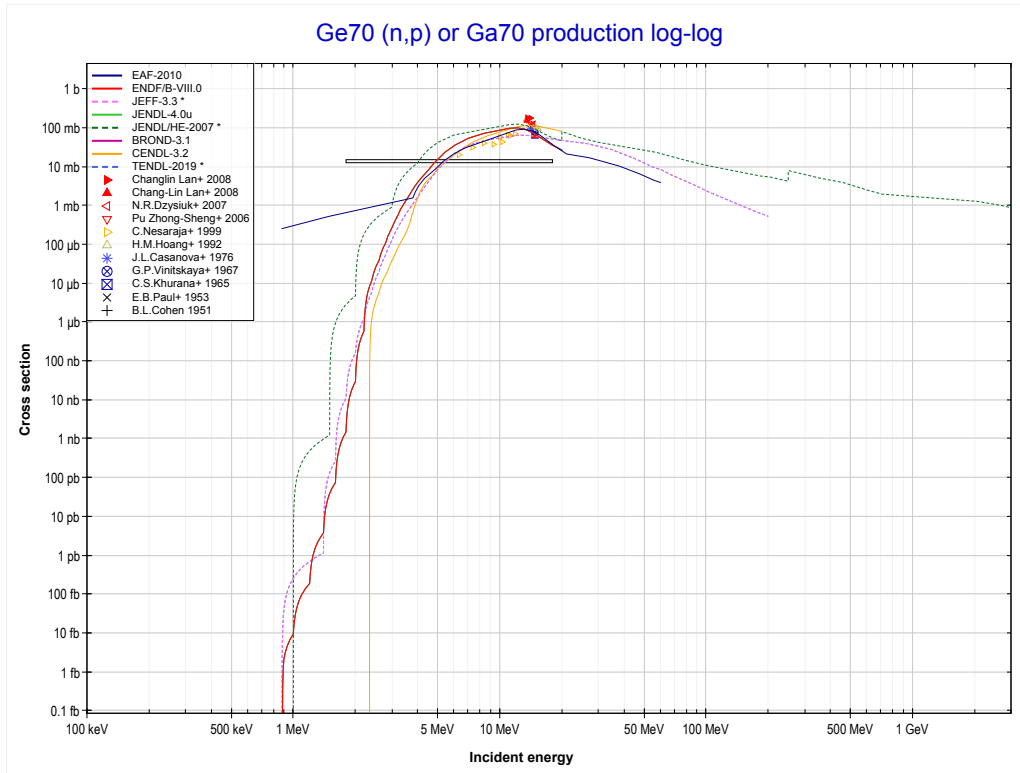
| Reaction | Q-Value |
|------------------|---------------|
| Ge70(n,t)Ga68 | -10354.39 keV |
| Ge70(n,n+d)Ga68 | -16611.62 keV |
| Ge70(n,2n+p)Ga68 | -18836.19 keV |

| | | |
|------------------|---|----------------|
| << 32-Ge-68 | 32-Ge-70 | 32-Ge-72 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ge71 production) | MT103 (n,p) >> |



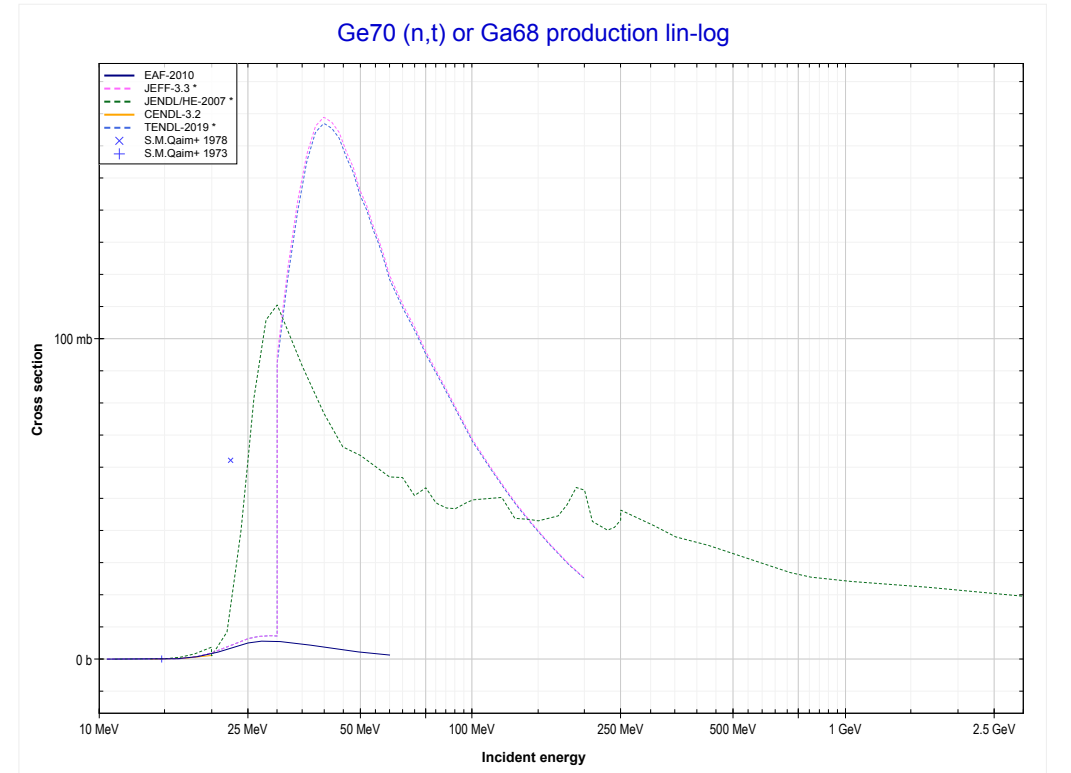
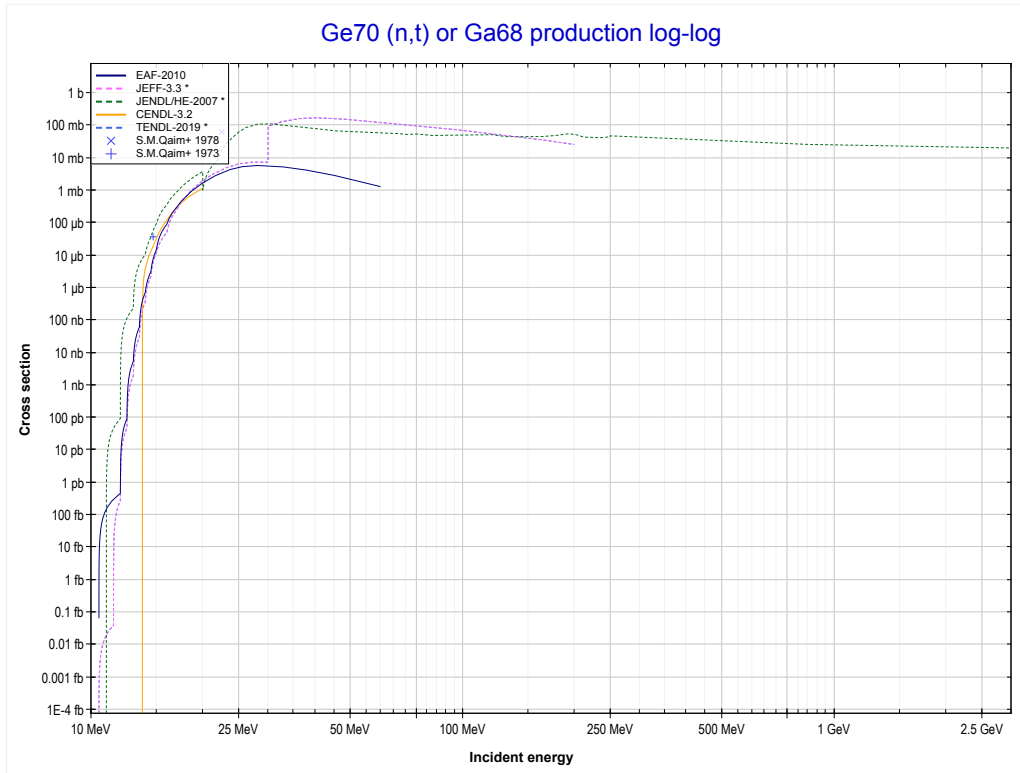
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.231 b | 3.22858 b | 3.2283 b | 0.99993 | 2.31261 b | 0.0173214 b | 7.7E-4 b |
| ENDF/B-VIII.0 | 3.05249 b | 3.05249 b | 3.0535 b | 1.00032 | 2.50829 b | 0.0212368 b | 6.29403E-4 b |
| JEFF-3.3 | 3.06502 b | 3.06502 b | 3.0658 b | 1.00024 | 2.30667 b | 0.0291686 b | 0.0013381 b |
| JENDL-4.0u | 3.05249 b | 3.05249 b | 3.0535 b | 1.00032 | 2.50829 b | 0.0212368 b | 6.29403E-4 b |
| JENDL/HE-2007 | 2.9346 b | 2.9346 b | 2.9345 b | 0.99998 | 2.36486 b | 0.0292734 b | 7.77746E-4 b |
| BROND-3.1 | 3.05249 b | 3.05249 b | 3.0535 b | 1.00032 | 2.50802 b | 0.0212368 b | 6.29403E-4 b |
| CENDL-3.2 | 3.17 b | 3.17 b | 3.1699 b | 0.99998 | 2.35975 b | 0.0322279 b | 0.0016391 b |
| TENDL-2019 | 3.0517 b | 3.0517 b | 3.0517 b | 1 | 2.53042 b | 0.0293082 b | 0.00133071 b |

| | | |
|-------------------------|---|----------------|
| << 31-Ga-71 | 32-Ge-70 | 32-Ge-72 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ga70 production) | MT105 (n,t) >> |



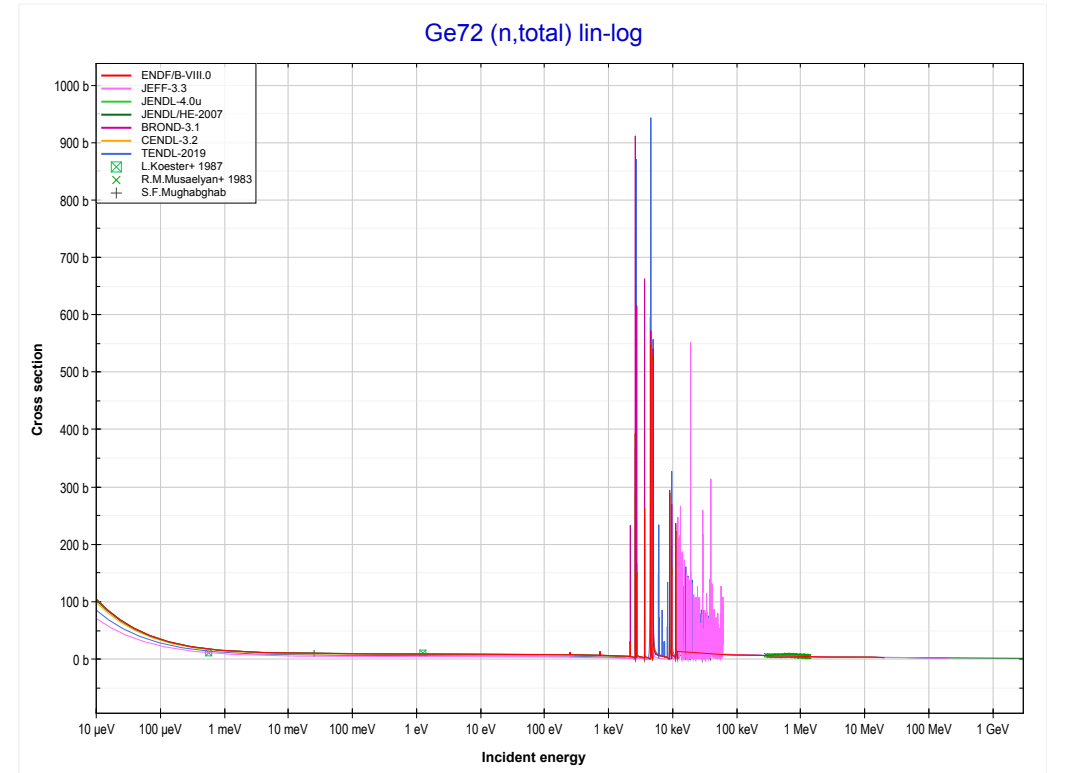
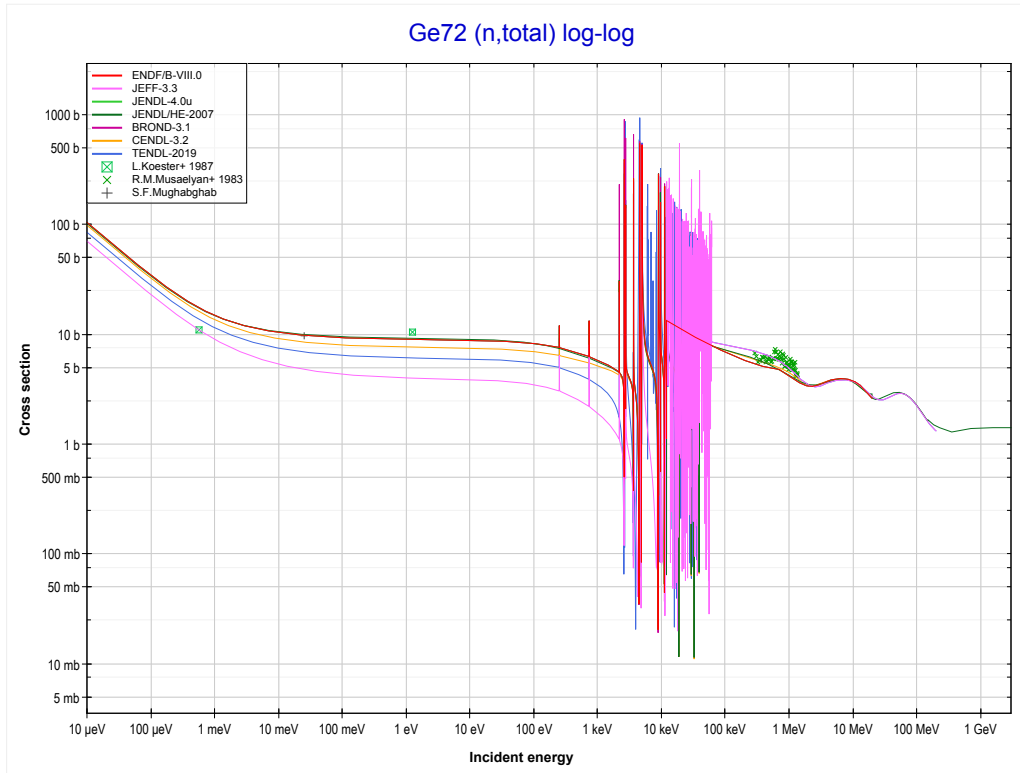
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00224581 b | 0.0858664 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00300671 b | 0.0808963 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00179043 b | 0.0625158 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00300671 b | 0.0808963 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00606438 b | 0.104137 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00300671 b | 0.0808963 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00195039 b | 0.11504 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0017862 b | 0.062137 b |

| | | |
|----------------|---|---------------------------|
| << 30-Zn-64 | 32-Ge-70 | 34-Se-74 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ga68 production) | 32-Ge-72 MT1 (n,total) >> |



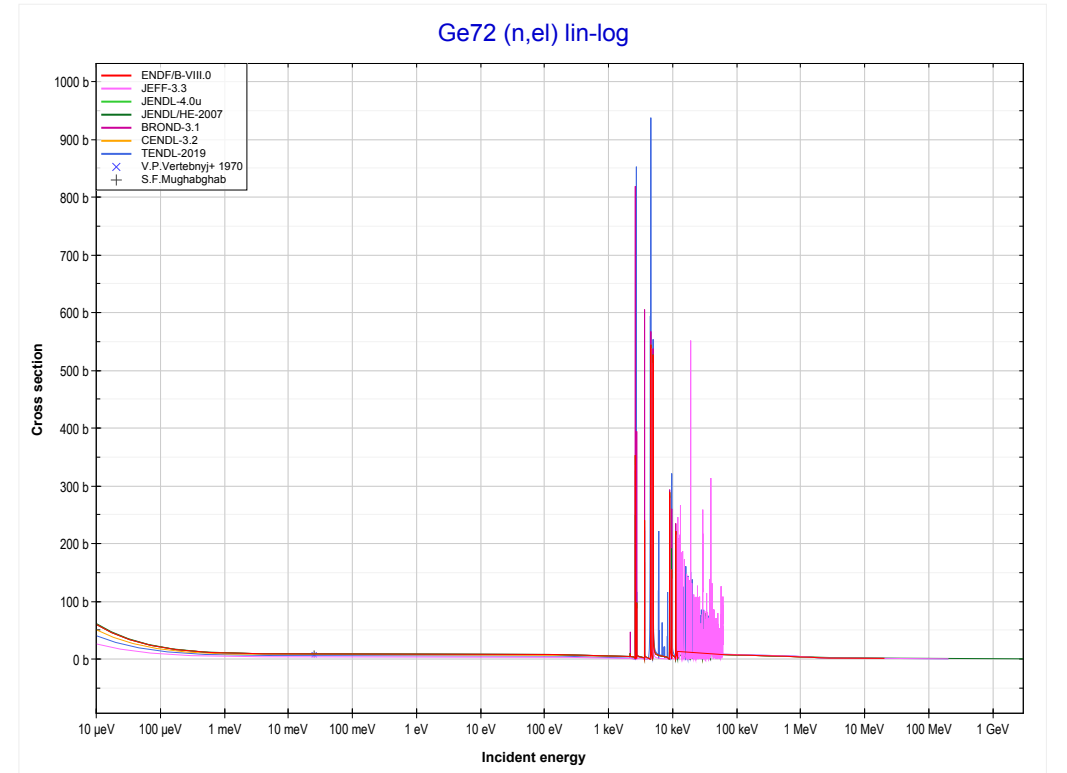
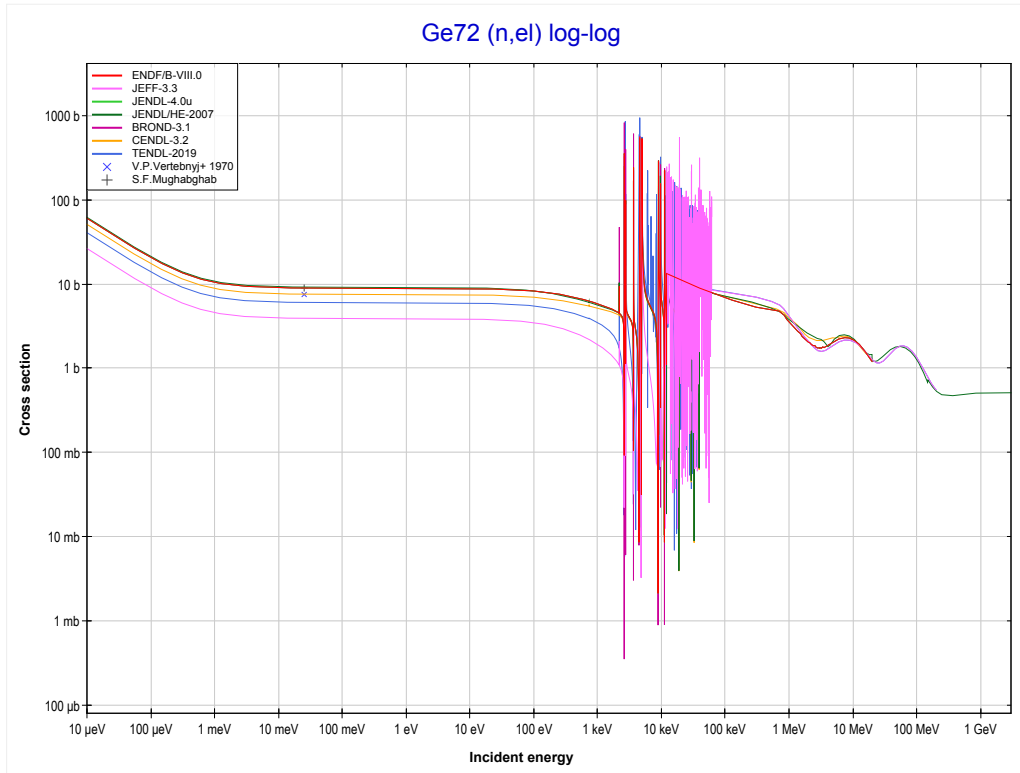
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24885E-8 b | 6.95427E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15236E-8 b | 3.57043E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85174E-8 b | 1.02117E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.22725E-8 b | 3.8123E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15153E-8 b | 3.55781E-7 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 32-Ge-70 | 32-Ge-72 | 32-Ge-73 >> |
| << 32-Ge-70 MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



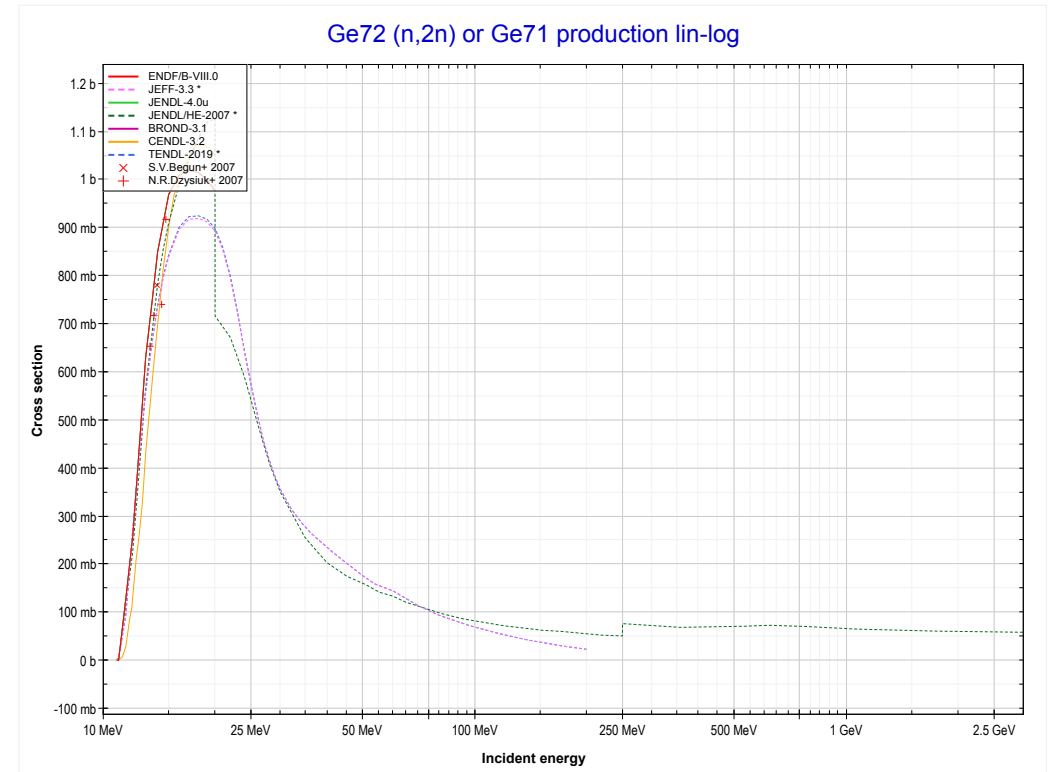
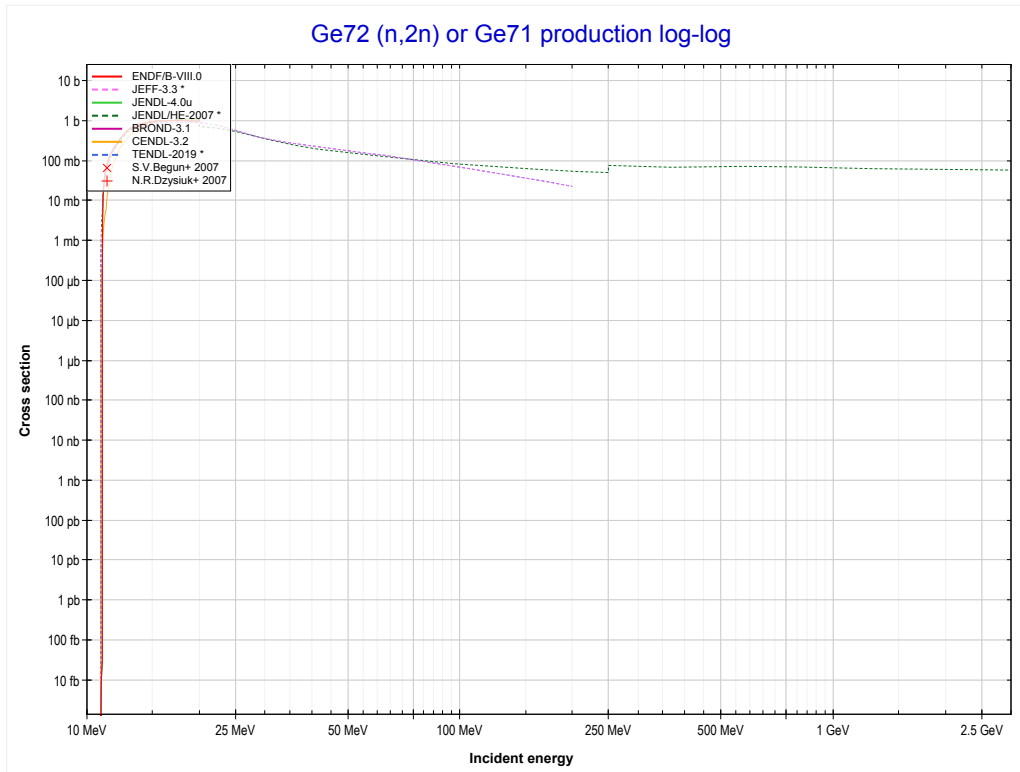
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.81292 b | 9.81292 b | 10.959 b | 1.11678 | 107.705 b | 4.09706 b | 3.30326 b |
| JEFF-3.3 | 4.79224 b | 4.79224 b | 5.2939 b | 1.10468 | 86.9831 b | 4.6471 b | 3.31081 b |
| JENDL-4.0u | 9.81292 b | 9.81292 b | 10.959 b | 1.11678 | 107.705 b | 4.09706 b | 3.30326 b |
| JENDL/HE-2007 | 9.97384 b | 9.97384 b | 11.15 b | 1.11797 | 103.789 b | 4.20088 b | 3.17717 b |
| BROND-3.1 | 9.81292 b | 9.81292 b | 10.959 b | 1.11678 | 107.7 b | 4.09705 b | 3.30326 b |
| CENDL-3.2 | 8.50345 b | 8.50345 b | 9.4733 b | 1.11406 | 93.4755 b | 4.26585 b | 3.1961 b |
| TENDL-2019 | 6.91004 b | 6.91004 b | 7.6834 b | 1.11192 | 108.598 b | 4.56845 b | 3.31079 b |

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|------------------|------------------------|----------------|
| << 32-Ge-70 | 32-Ge-72 | 32-Ge-73 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



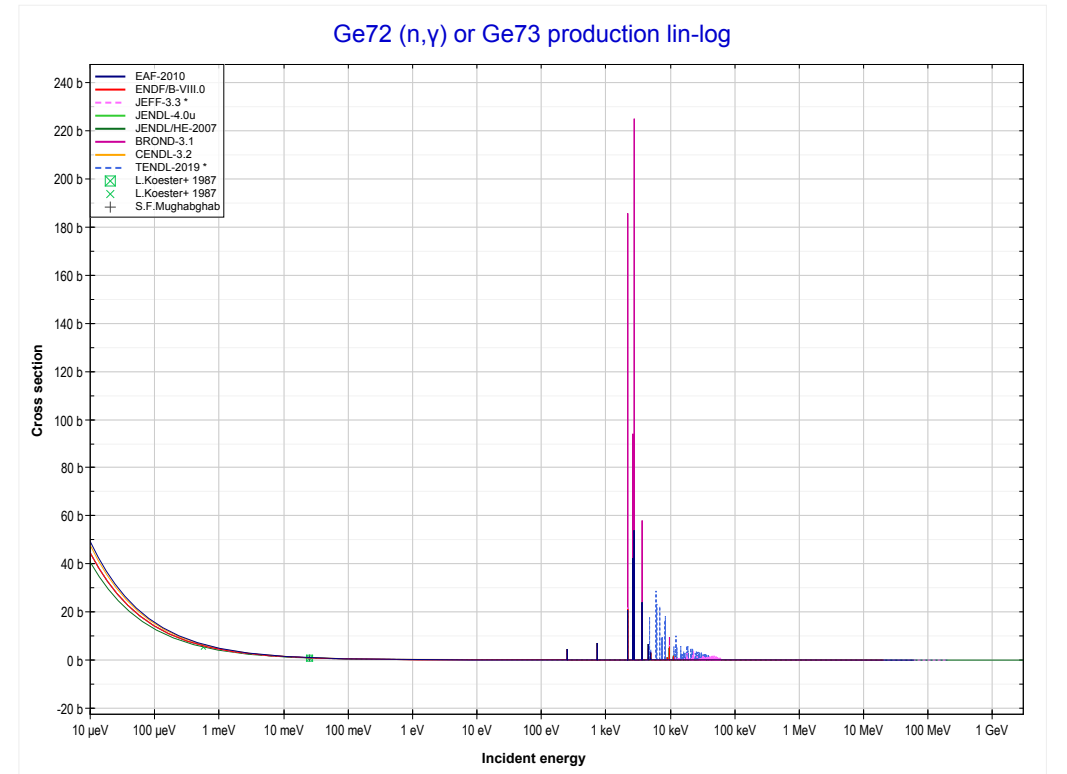
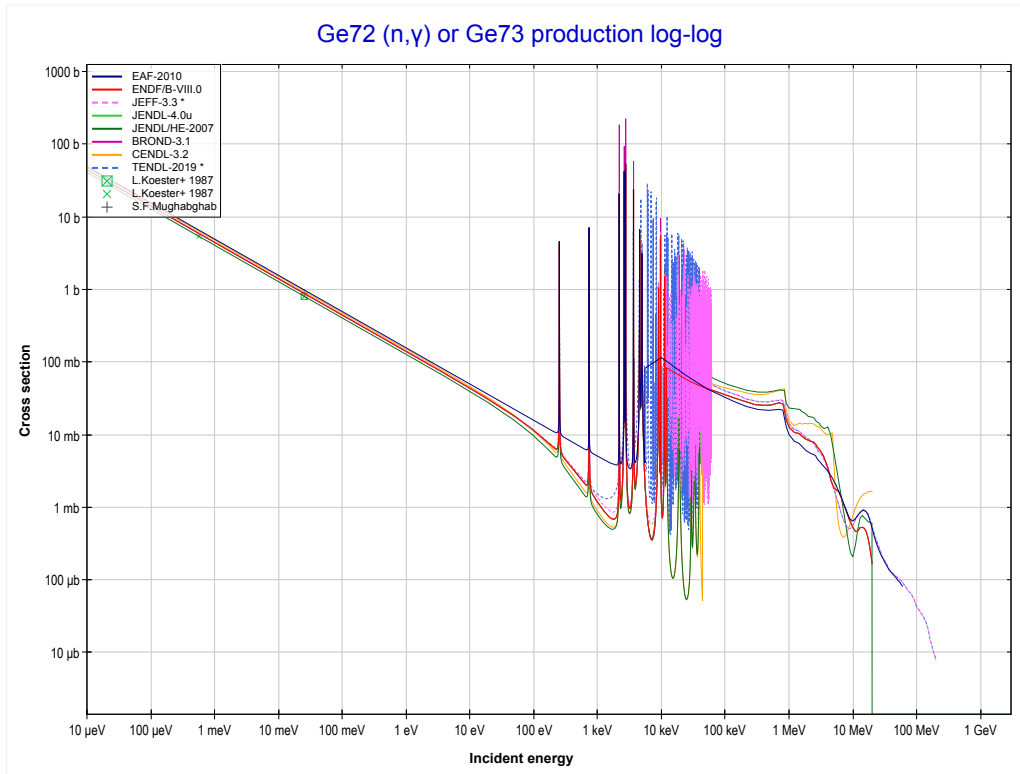
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.92695 b | 8.92695 b | 10.073 b | 1.12834 | 106.876 b | 3.09362 b | 1.75545 b |
| JEFF-3.3 | 3.90676 b | 3.90676 b | 4.4081 b | 1.12833 | 86.1245 b | 3.56538 b | 1.73483 b |
| JENDL-4.0u | 8.92695 b | 8.92695 b | 10.073 b | 1.12834 | 106.876 b | 3.09362 b | 1.75545 b |
| JENDL/HE-2007 | 9.16382 b | 9.16382 b | 10.34 b | 1.12839 | 103.04 b | 3.42794 b | 1.72877 b |
| BROND-3.1 | 8.92695 b | 8.92695 b | 10.073 b | 1.12834 | 106.871 b | 3.09362 b | 1.75545 b |
| CENDL-3.2 | 7.55336 b | 7.55336 b | 8.5232 b | 1.1284 | 92.6835 b | 3.44649 b | 1.6758 b |
| TENDL-2019 | 6.02313 b | 6.02313 b | 6.7965 b | 1.1284 | 107.417 b | 3.48706 b | 1.73483 b |

| | | |
|--------------------|---|-------------------------|
| << 32-Ge-70 | 32-Ge-72 | 32-Ge-74 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ge71 production) | MT102 (n, γ) >> |



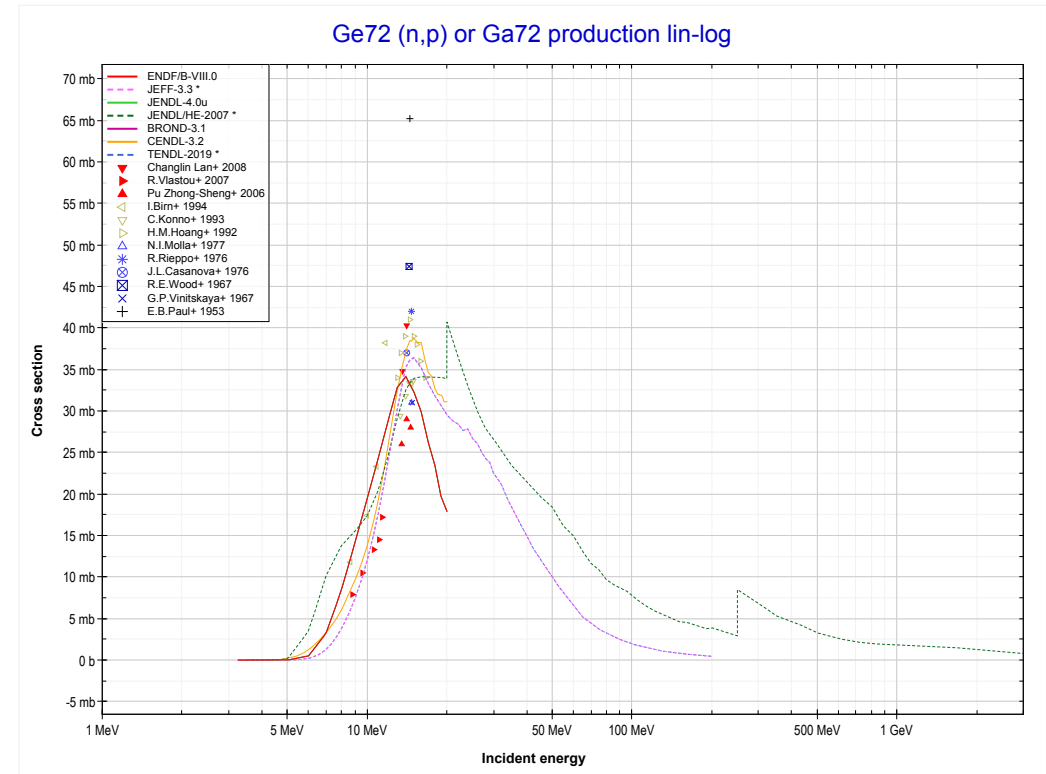
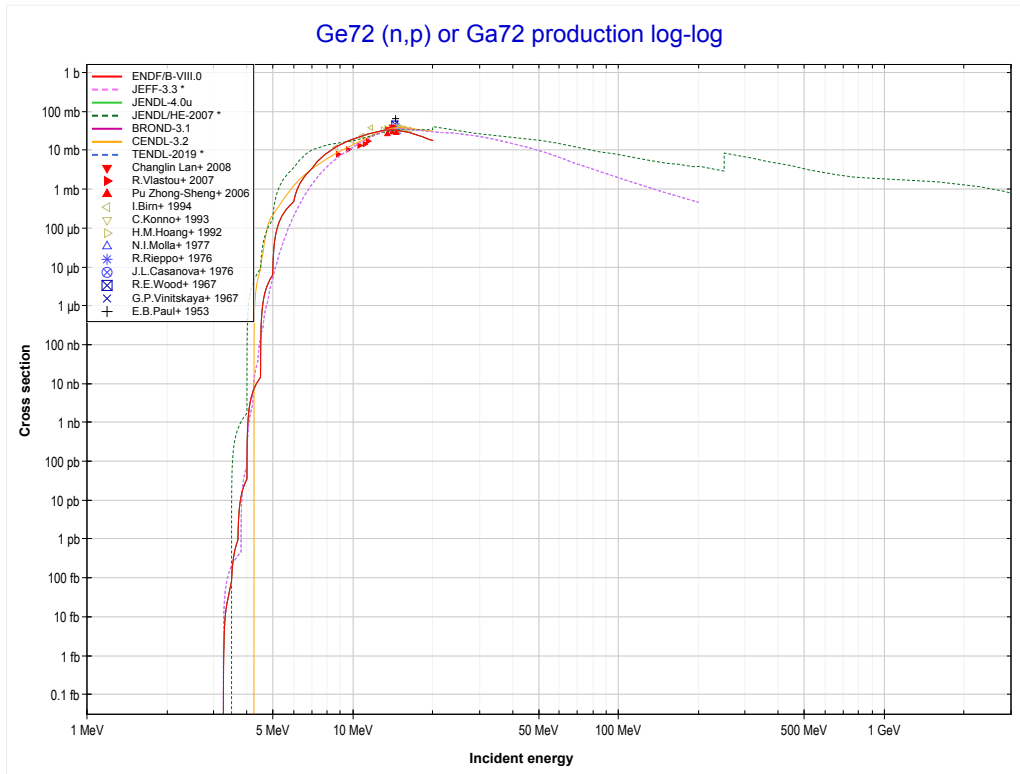
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.60769E-4 b | 0.848215 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25609E-4 b | 0.735081 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.60769E-4 b | 0.848215 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32248E-4 b | 0.782208 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.60769E-4 b | 0.848215 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52724E-4 b | 0.69758 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27045E-4 b | 0.738298 b |

| | | |
|----------------|---|----------------|
| << 32-Ge-70 | 32-Ge-72 | 32-Ge-73 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ge73 production) | MT103 (n,p) >> |



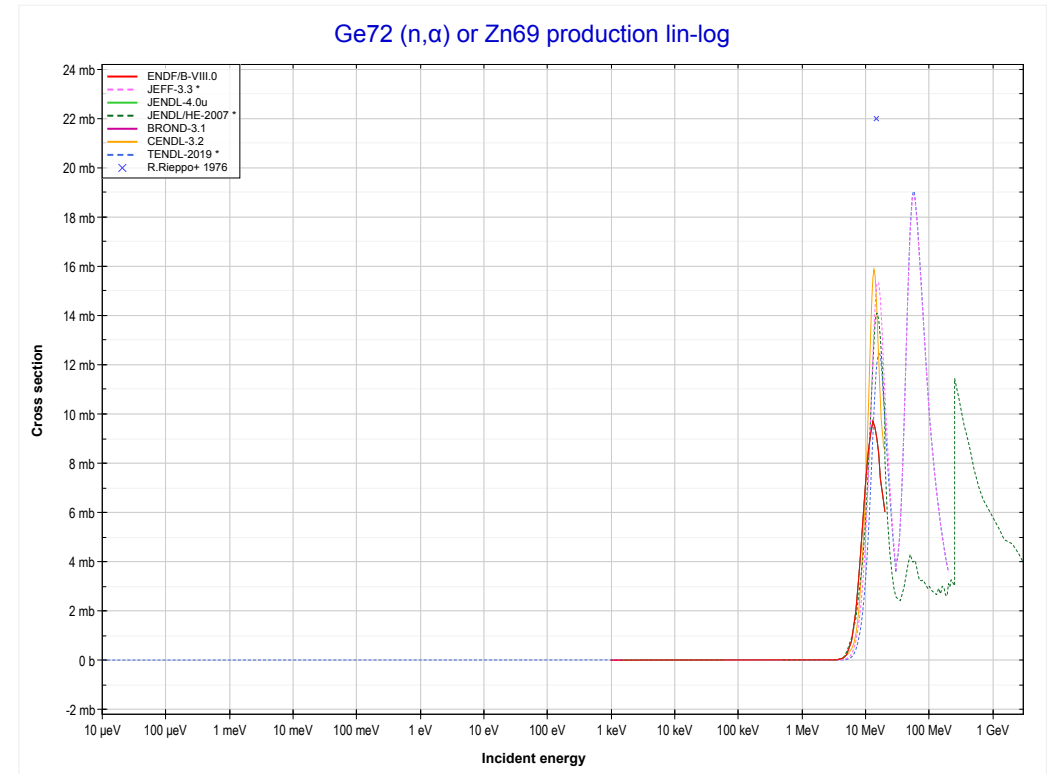
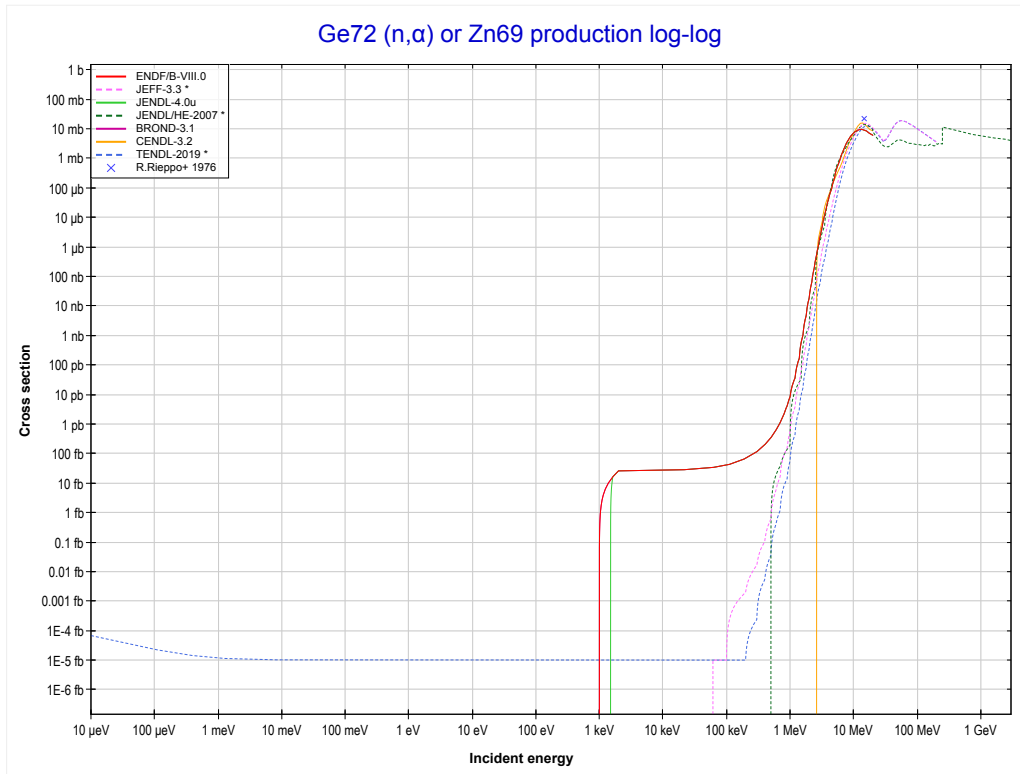
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.98122 b | 0.980485 b | 0.98022 b | 0.99973 | 0.956421 b | 0.0106048 b | 8.84808E-4 b |
| ENDF/B-VIII.0 | 0.885968 b | 0.885968 b | 0.88627 b | 1.00034 | 0.828954 b | 0.0130954 b | 5.31399E-4 b |
| JEFF-3.3 | 0.885477 b | 0.885477 b | 0.88578 b | 1.00034 | 0.858563 b | 0.0143146 b | 9.09517E-4 b |
| JENDL-4.0u | 0.885968 b | 0.885968 b | 0.88627 b | 1.00034 | 0.828954 b | 0.0130954 b | 5.31399E-4 b |
| JENDL/HE-2007 | 0.810024 b | 0.810024 b | 0.81003 b | 1.00001 | 0.745895 b | 0.0232426 b | 7.68256E-4 b |
| BROND-3.1 | 0.885968 b | 0.885968 b | 0.88627 b | 1.00034 | 0.828984 b | 0.0130954 b | 5.31399E-4 b |
| CENDL-3.2 | 0.950087 b | 0.950087 b | 0.9501 b | 1.00001 | 0.789123 b | 0.0195837 b | 0.0014487 b |
| TENDL-2019 | 0.886911 b | 0.886911 b | 0.88693 b | 1.00002 | 1.1781 b | 0.0142621 b | 9.08776E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 32-Ge-70 | 32-Ge-72 | 32-Ge-73 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ga72 production) | MT107 (n, α) >> |



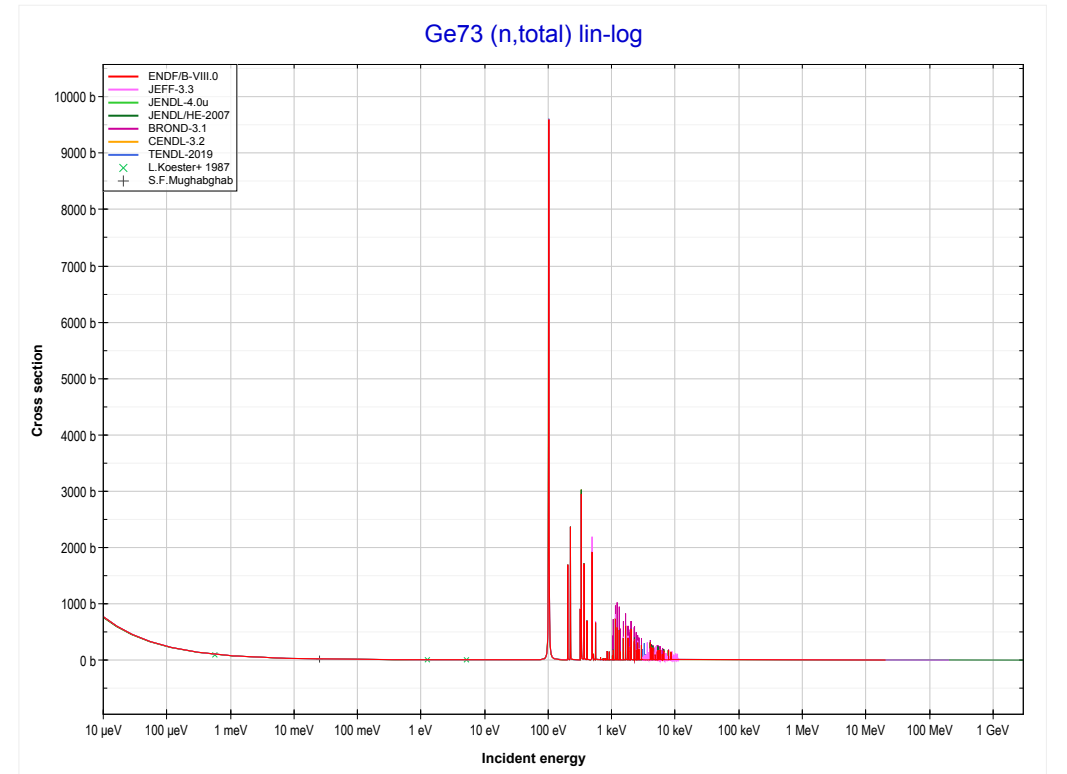
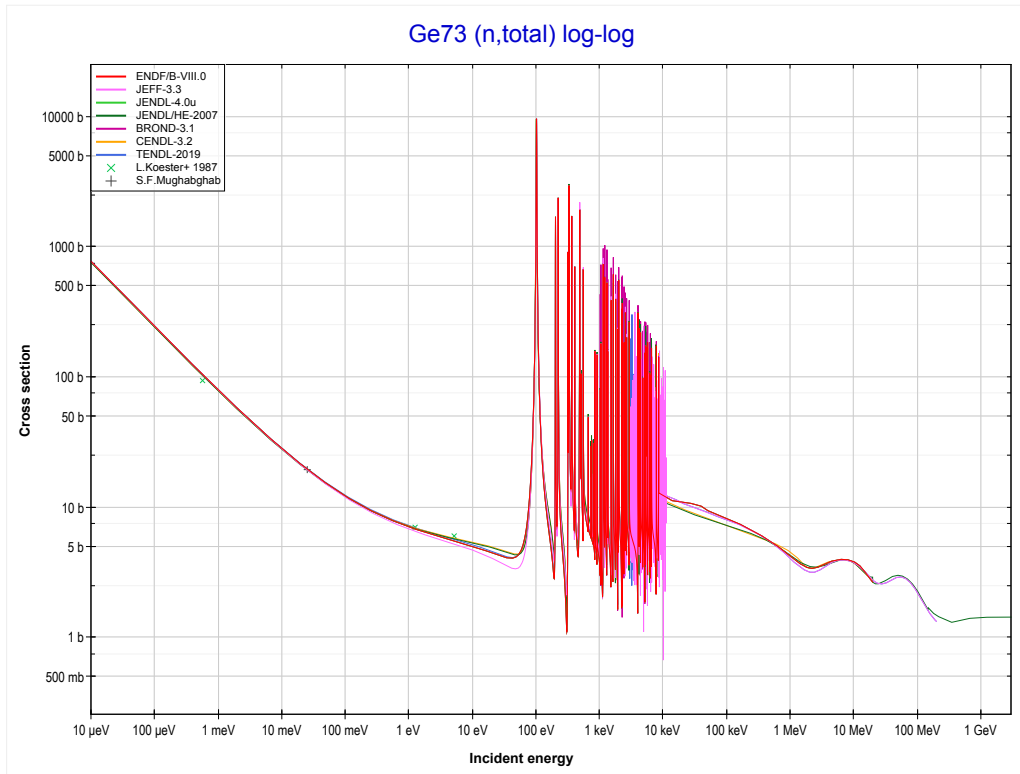
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.02242E-4 b | 0.0341565 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07034E-4 b | 0.035225 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.02242E-4 b | 0.0341565 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.74078E-4 b | 0.0325467 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.02242E-4 b | 0.0341565 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80572E-4 b | 0.037153 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07153E-4 b | 0.035304 b |

| | | |
|----------------|---|---------------------------|
| << 31-Ga-71 | 32-Ge-72 | 32-Ge-74 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Zn69 production) | 32-Ge-73 MT1 (n,total) >> |



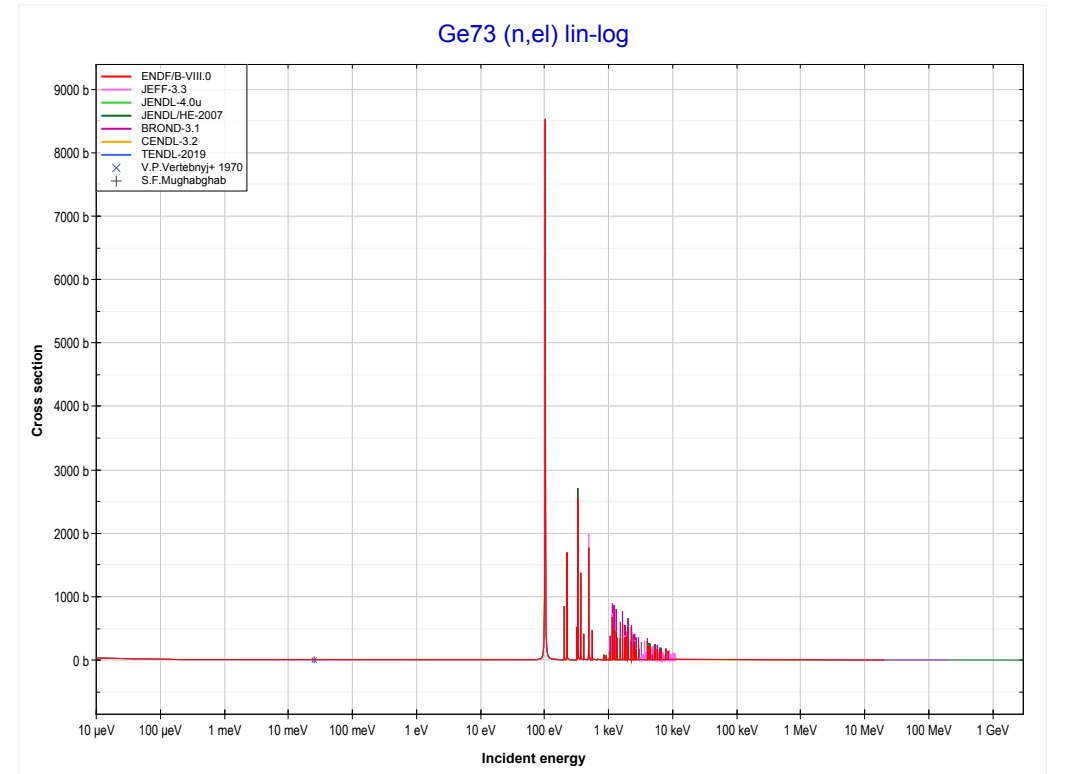
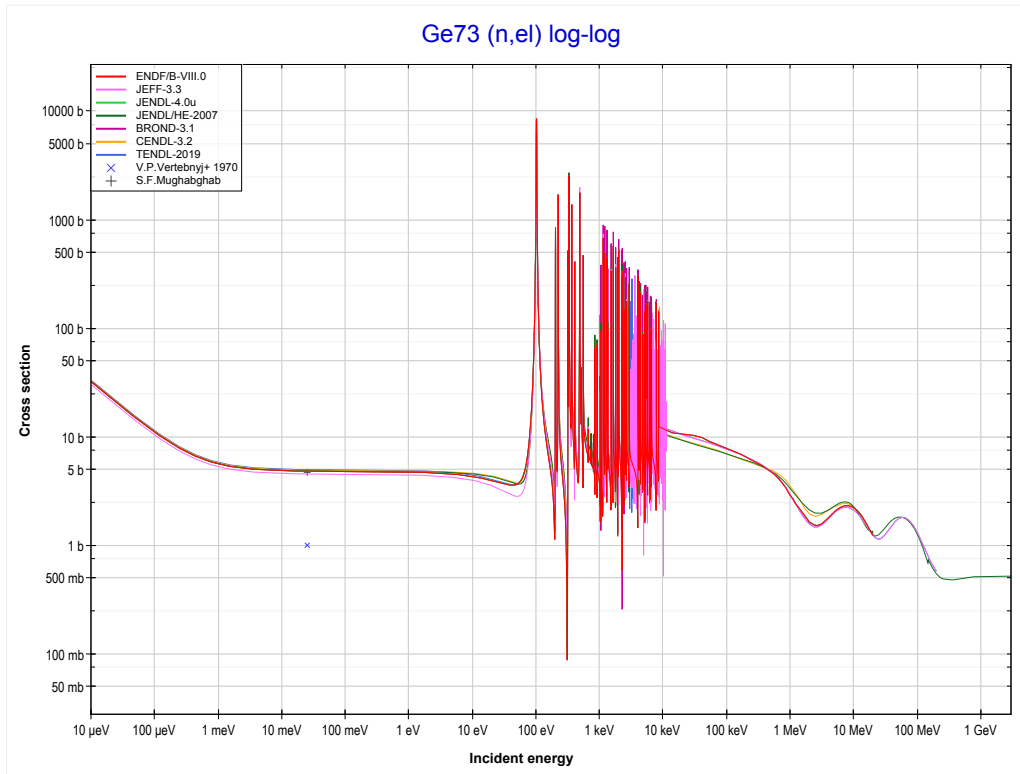
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.2067E-13 b | 1.09502E-4 b | 0.00944029 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.90381E-21 b | 5.42982E-5 b | 0.0142808 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.17706E-13 b | 1.09502E-4 b | 0.00944029 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01755E-4 b | 0.0136382 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.20671E-13 b | 1.09502E-4 b | 0.00944029 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.40669E-5 b | 0.015656 b |
| TENDL-2019 | 1.007E-20 b | 1.007E-20 b | 1.1363E-20 b | 1.12843 | 1.22085E-19 b | 3.32341E-5 b | 0.0109125 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 32-Ge-72 | 32-Ge-73 | 32-Ge-74 >> |
| << 32-Ge-72 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



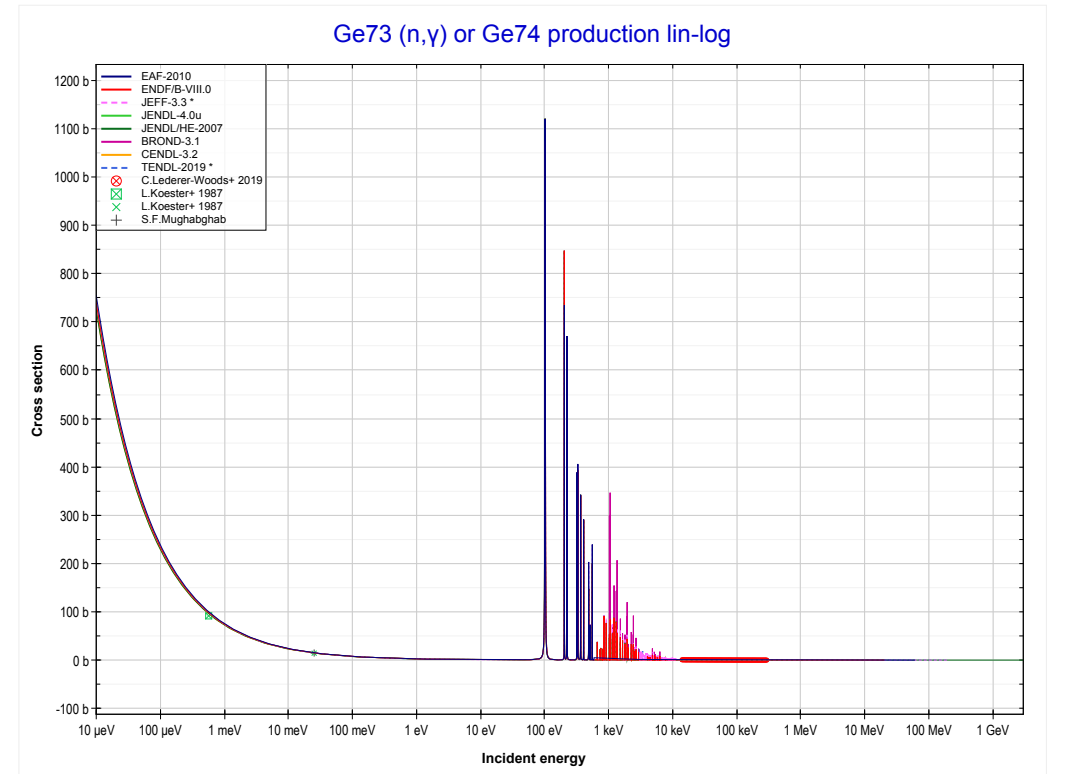
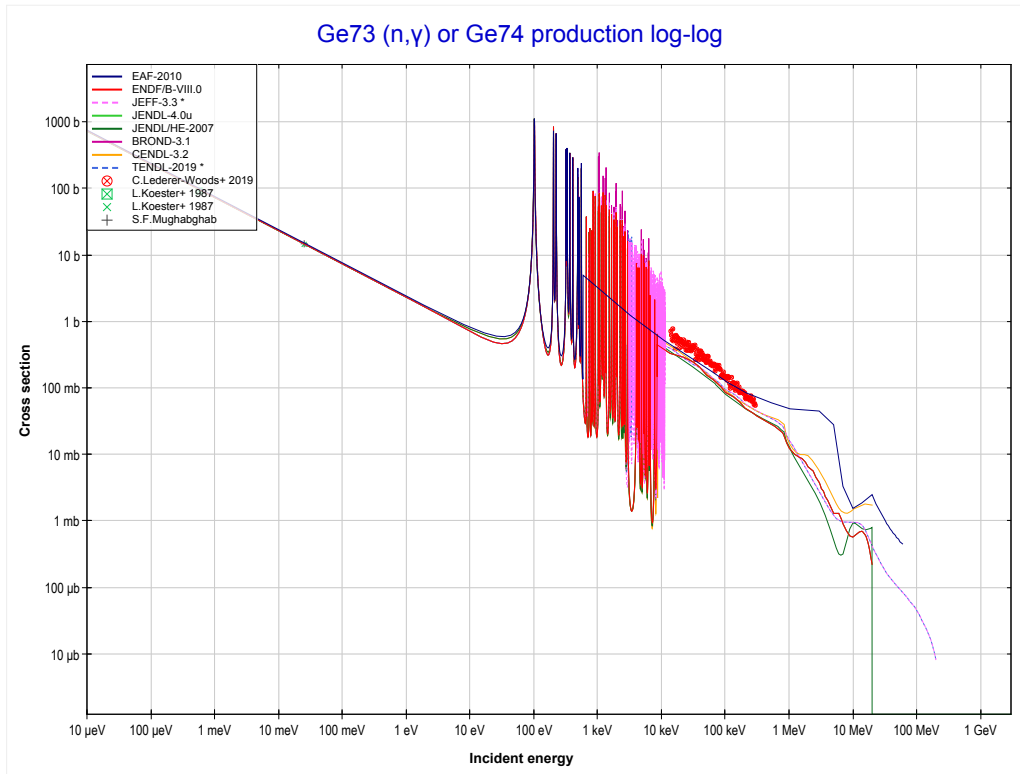
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 19.5191 b | 19.5191 b | 20.139 b | 1.03178 | 466.634 b | 4.26332 b | 3.34112 b |
| JEFF-3.3 | 19.2518 b | 19.2518 b | 19.835 b | 1.03029 | 468.42 b | 4.1112 b | 3.30975 b |
| JENDL-4.0u | 19.5191 b | 19.5191 b | 20.139 b | 1.03178 | 466.634 b | 4.26332 b | 3.34112 b |
| JENDL/HE-2007 | 19.2332 b | 19.2332 b | 19.855 b | 1.03233 | 458.877 b | 4.22804 b | 3.22451 b |
| BROND-3.1 | 19.5191 b | 19.5191 b | 20.139 b | 1.03178 | 466.639 b | 4.26333 b | 3.34112 b |
| CENDL-3.2 | 19.304 b | 19.304 b | 19.935 b | 1.03267 | 460.125 b | 4.29452 b | 3.2168 b |
| TENDL-2019 | 19.66 b | 19.66 b | 20.296 b | 1.03236 | 472.09 b | 4.11245 b | 3.30975 b |

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|------------------|------------------------|-------------------------|
| << 32-Ge-72 | 32-Ge-73 | 32-Ge-74 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



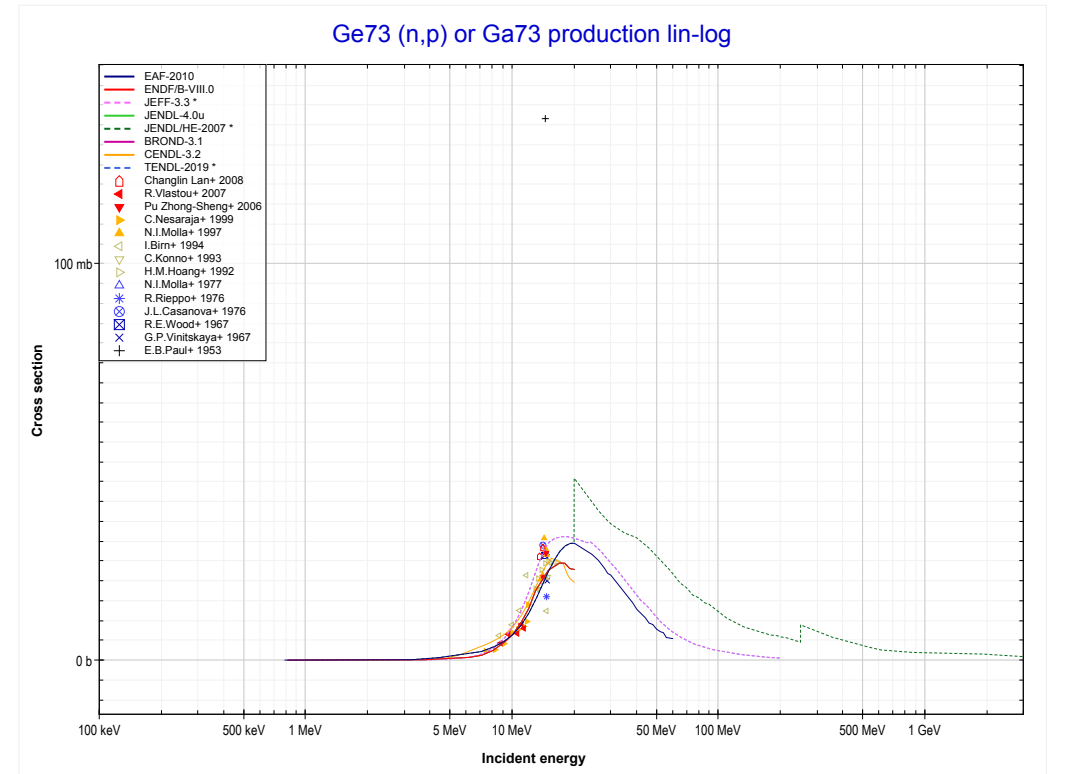
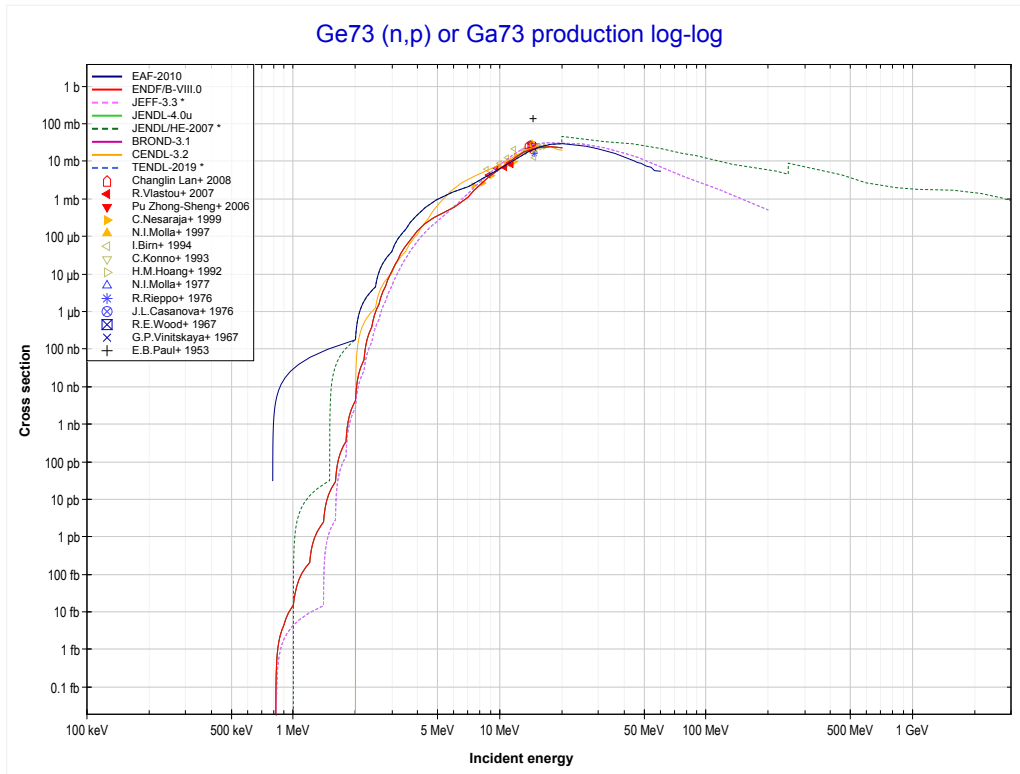
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.81426 b | 4.81426 b | 5.4306 b | 1.12803 | 403.629 b | 2.82512 b | 1.79964 b |
| JEFF-3.3 | 4.53471 b | 4.53471 b | 5.1151 b | 1.12799 | 404.098 b | 2.79647 b | 1.70561 b |
| JENDL-4.0u | 4.81426 b | 4.81426 b | 5.4306 b | 1.12803 | 403.629 b | 2.82512 b | 1.79964 b |
| JENDL/HE-2007 | 4.83318 b | 4.83318 b | 5.4532 b | 1.12828 | 396.614 b | 3.11279 b | 1.6626 b |
| BROND-3.1 | 4.81426 b | 4.81426 b | 5.4306 b | 1.12803 | 403.633 b | 2.82512 b | 1.79964 b |
| CENDL-3.2 | 4.90295 b | 4.90295 b | 5.5319 b | 1.12828 | 397.788 b | 3.11827 b | 1.6897 b |
| TENDL-2019 | 4.97249 b | 4.97249 b | 5.6095 b | 1.1281 | 408.284 b | 2.79777 b | 1.70561 b |

| | | |
|--------------------|---|----------------|
| << 32-Ge-72 | 32-Ge-73 | 32-Ge-74 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ge74 production) | MT103 (n,p) >> |



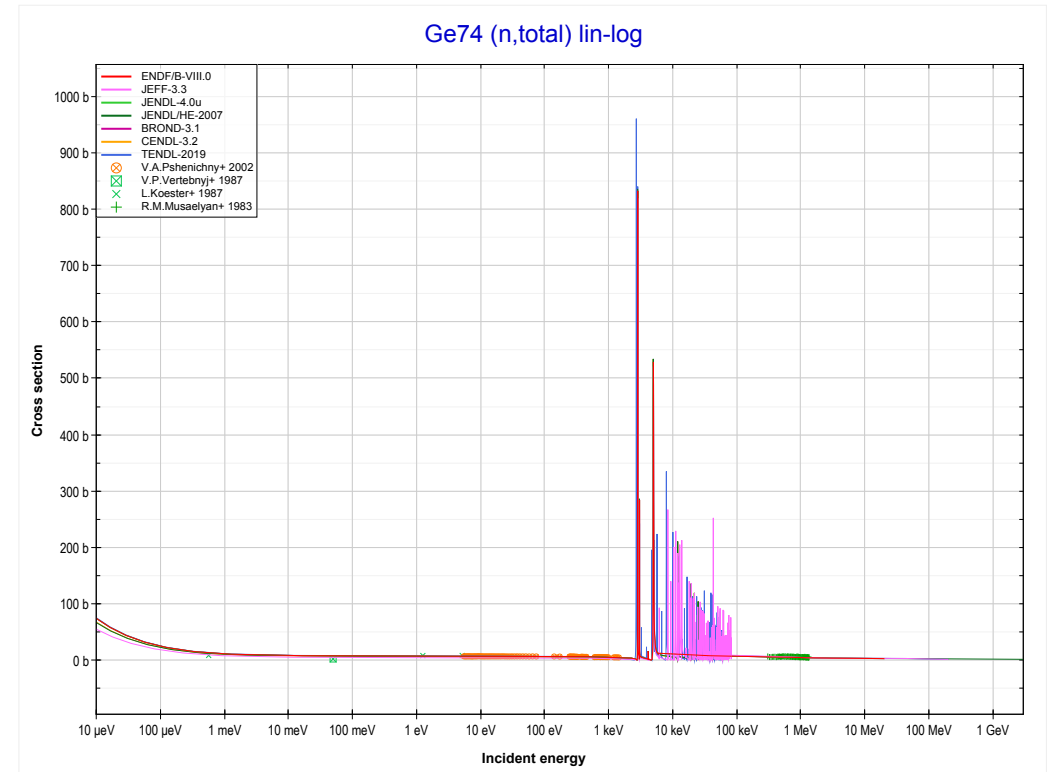
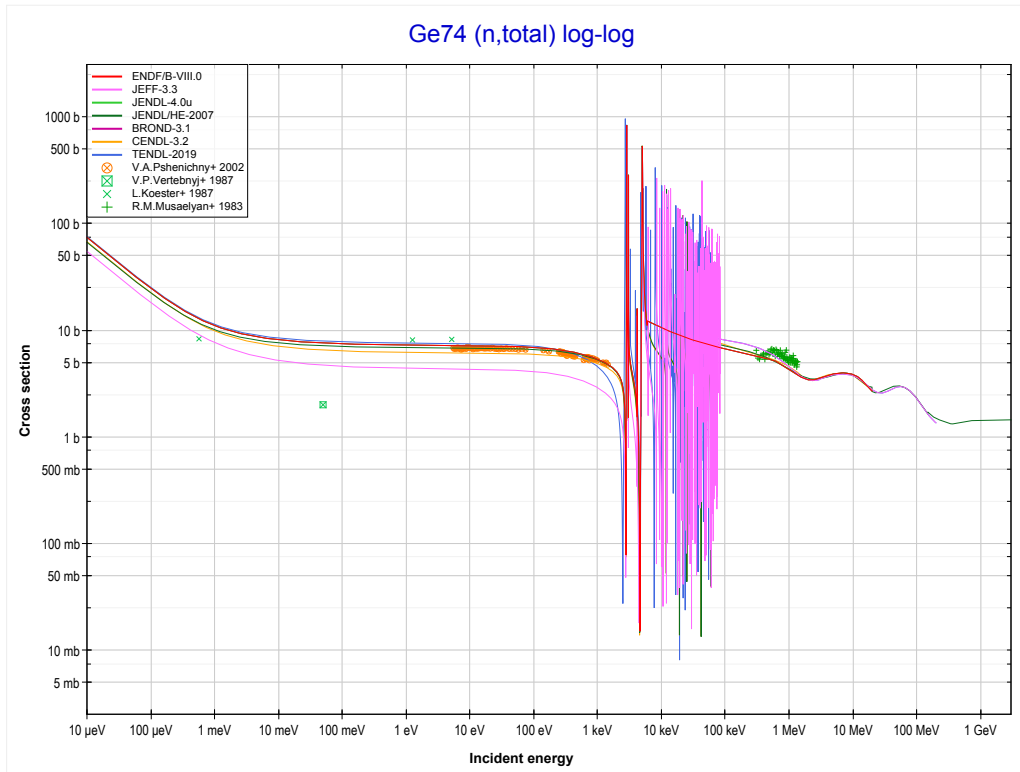
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15.018 b | 15.0067 b | 15.005 b | 0.99987 | 66.0828 b | 0.0503538 b | 0.00187605 b |
| ENDF/B-VIII.0 | 14.7048 b | 14.7048 b | 14.709 b | 1.00026 | 62.8746 b | 0.015502 b | 6.99264E-4 b |
| JEFF-3.3 | 14.7171 b | 14.7171 b | 14.72 b | 1.00019 | 64.2393 b | 0.0175989 b | 8.49547E-4 b |
| JENDL-4.0u | 14.7048 b | 14.7048 b | 14.709 b | 1.00026 | 62.8746 b | 0.015502 b | 6.99264E-4 b |
| JENDL/HE-2007 | 14.4 b | 14.4 b | 14.402 b | 1.00012 | 62.1498 b | 0.0141835 b | 7.61367E-4 b |
| BROND-3.1 | 14.7048 b | 14.7048 b | 14.709 b | 1.00026 | 62.8751 b | 0.015502 b | 6.99264E-4 b |
| CENDL-3.2 | 14.401 b | 14.401 b | 14.403 b | 1.00012 | 62.2498 b | 0.0187179 b | 0.0017301 b |
| TENDL-2019 | 14.6875 b | 14.6875 b | 14.687 b | 0.99994 | 63.7203 b | 0.0174364 b | 8.48535E-4 b |

| | | |
|-------------------------|---|---------------------------|
| << 32-Ge-72 | 32-Ge-73 | 32-Ge-74 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ga73 production) | 32-Ge-74 MT1 (n,total) >> |



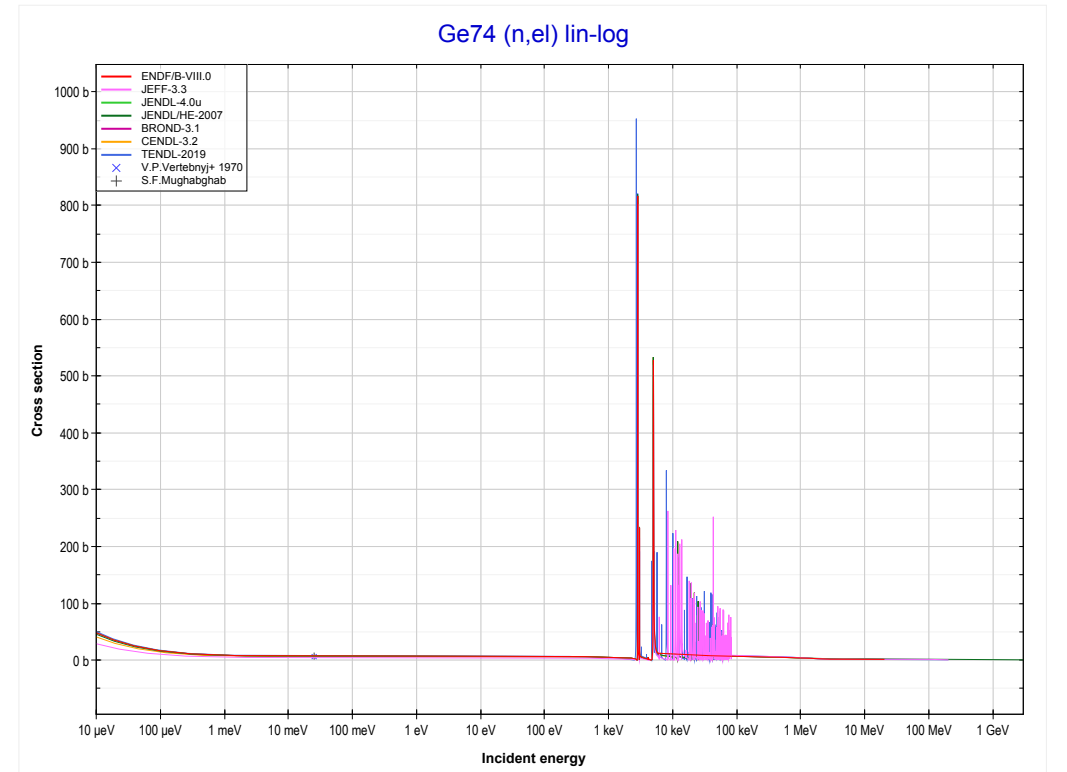
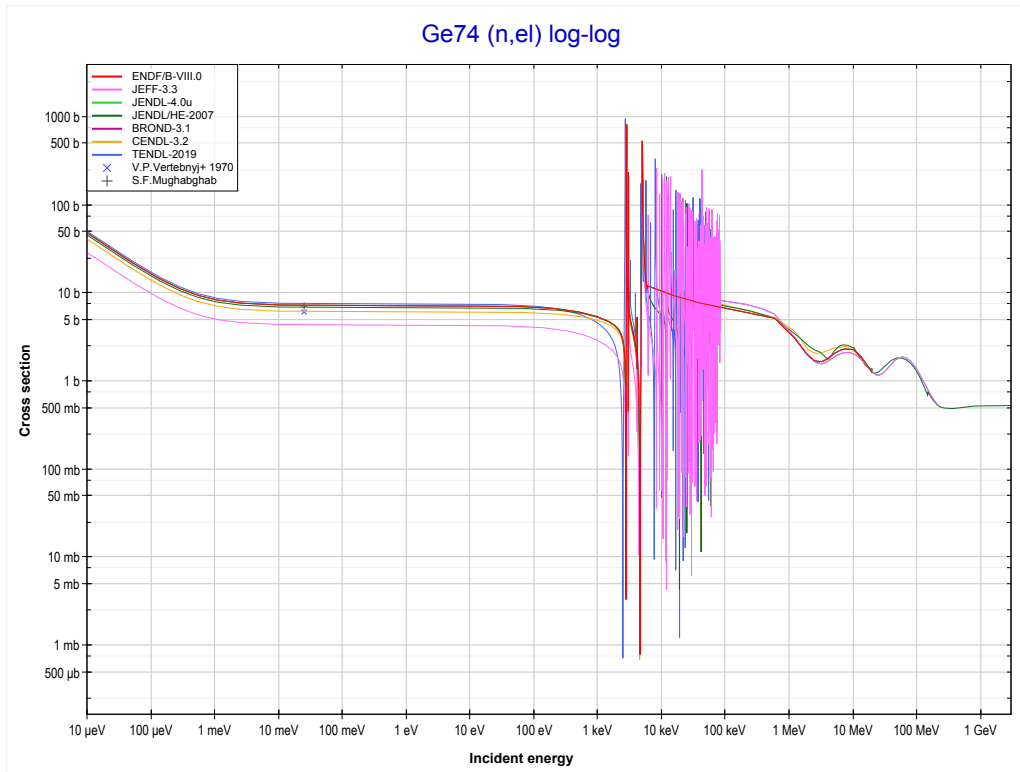
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8198E-4 b | 0.0189052 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01303E-4 b | 0.0202236 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07034E-4 b | 0.0267525 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.01303E-4 b | 0.0202236 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81962E-4 b | 0.0189052 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01303E-4 b | 0.0202236 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84555E-4 b | 0.022076 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07007E-4 b | 0.0267256 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 32-Ge-73 | 32-Ge-74 | 32-Ge-76 >> |
| << 32-Ge-73 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



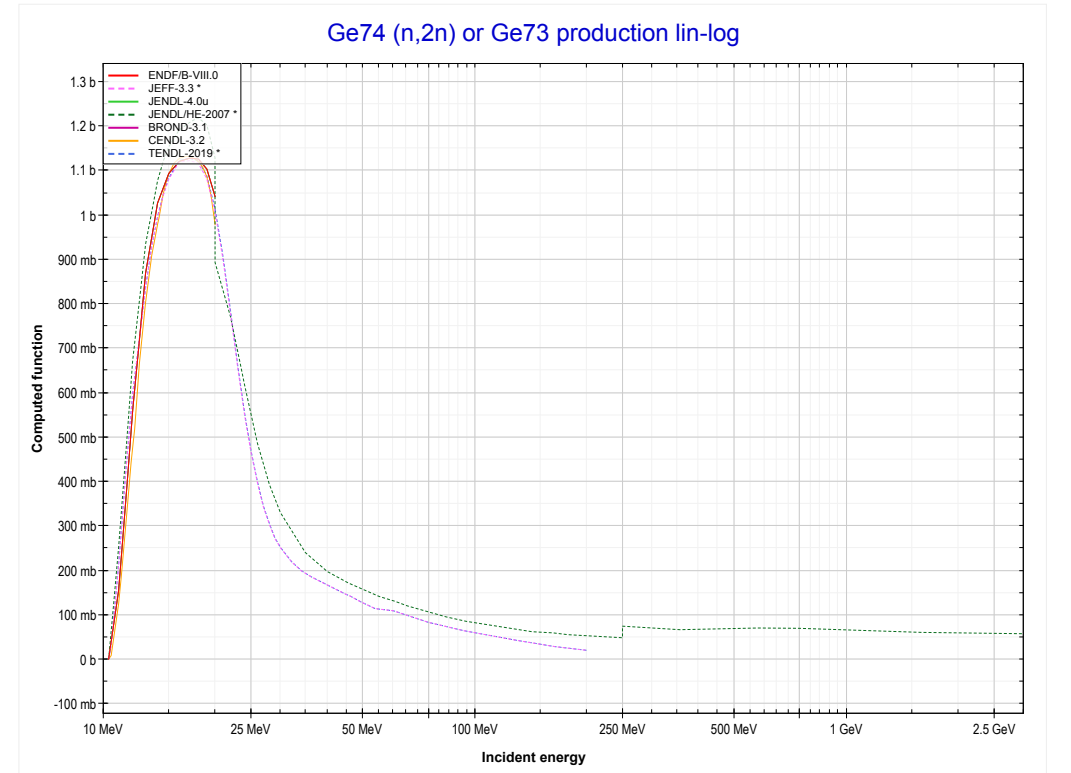
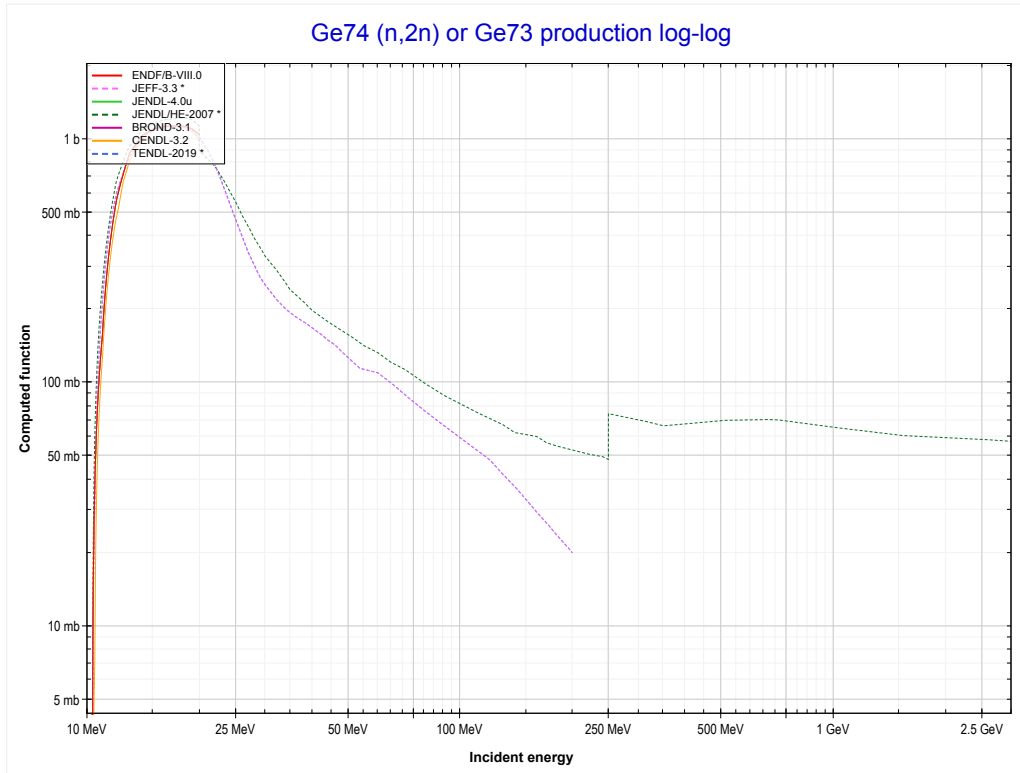
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.74152 b | 7.74152 b | 8.6687 b | 1.11977 | 102.982 b | 4.19078 b | 3.37609 b |
| JEFF-3.3 | 4.85268 b | 4.85268 b | 5.4092 b | 1.11468 | 86.8498 b | 4.48256 b | 3.33768 b |
| JENDL-4.0u | 7.74152 b | 7.74152 b | 8.6687 b | 1.11977 | 102.982 b | 4.19078 b | 3.37609 b |
| JENDL/HE-2007 | 7.26638 b | 7.26638 b | 8.1456 b | 1.121 | 96.8723 b | 4.23723 b | 3.27127 b |
| BROND-3.1 | 7.74152 b | 7.74152 b | 8.6687 b | 1.11977 | 102.982 b | 4.19078 b | 3.37609 b |
| CENDL-3.2 | 6.67181 b | 6.67181 b | 7.4605 b | 1.11822 | 91.7522 b | 4.31287 b | 3.2374 b |
| TENDL-2019 | 8.04958 b | 8.04958 b | 9.0194 b | 1.12048 | 113.981 b | 4.4347 b | 3.33767 b |

| | | |
|------------------|------------------------|----------------|
| << 32-Ge-73 | 32-Ge-74 | 32-Ge-76 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



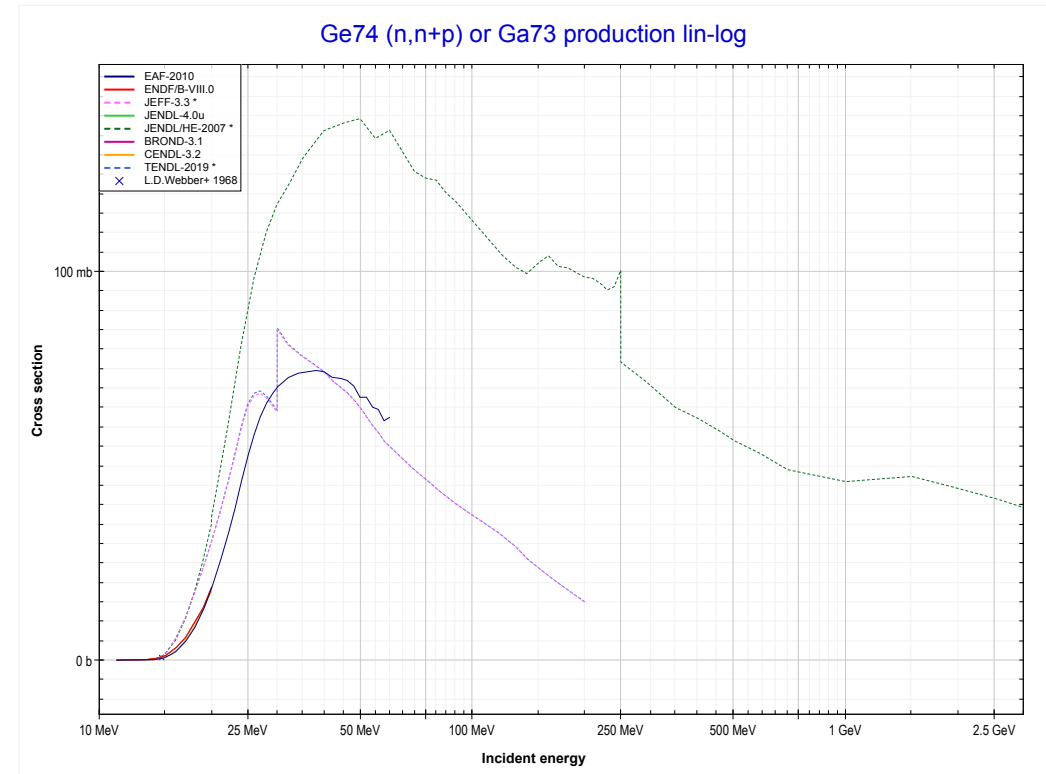
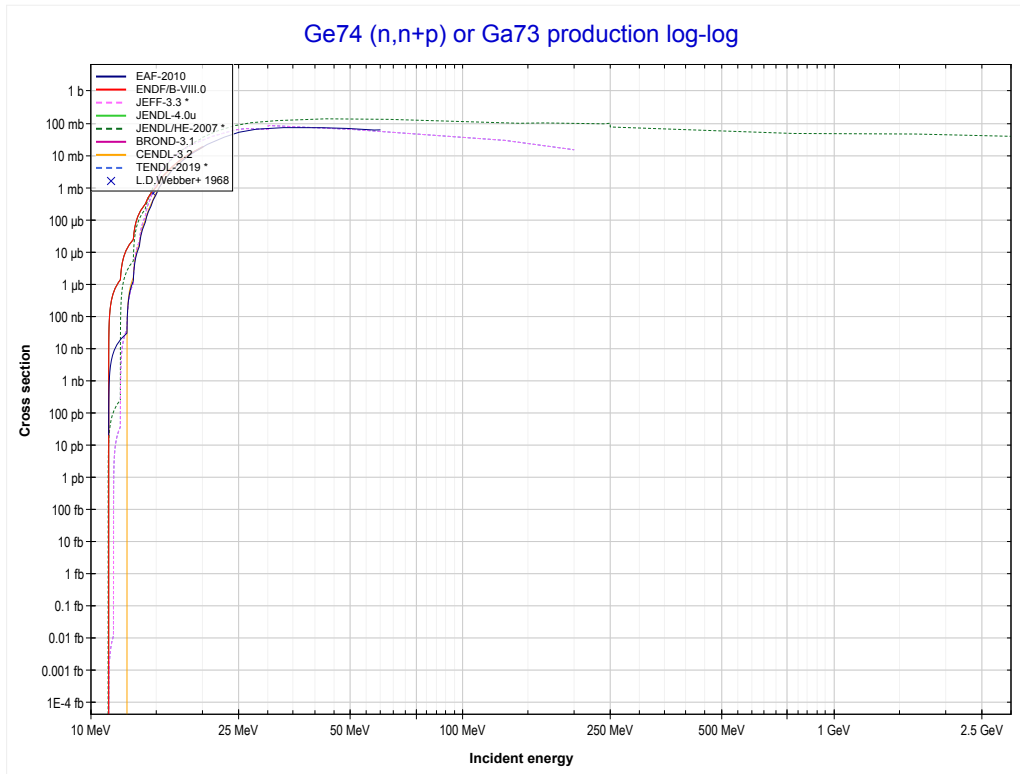
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.2225 b | 7.2225 b | 8.1495 b | 1.12835 | 102.373 b | 3.09162 b | 1.81703 b |
| JEFF-3.3 | 4.33444 b | 4.33444 b | 4.8908 b | 1.12835 | 86.2976 b | 3.33807 b | 1.7115 b |
| JENDL-4.0u | 7.2225 b | 7.2225 b | 8.1495 b | 1.12835 | 102.373 b | 3.09162 b | 1.81703 b |
| JENDL/HE-2007 | 6.84638 b | 6.84638 b | 7.7256 b | 1.12842 | 96.4491 b | 3.42067 b | 1.69439 b |
| BROND-3.1 | 7.2225 b | 7.2225 b | 8.1495 b | 1.12835 | 102.373 b | 3.09162 b | 1.81703 b |
| CENDL-3.2 | 6.14168 b | 6.14168 b | 6.9304 b | 1.12842 | 91.2842 b | 3.46089 b | 1.7031 b |
| TENDL-2019 | 7.55223 b | 7.55223 b | 8.522 b | 1.12841 | 113.151 b | 3.29023 b | 1.7115 b |

| | | |
|--------------------|---|-----------------|
| << 32-Ge-72 | 32-Ge-74 | 32-Ge-76 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ge73 production) | MT28 (n,n+p) >> |



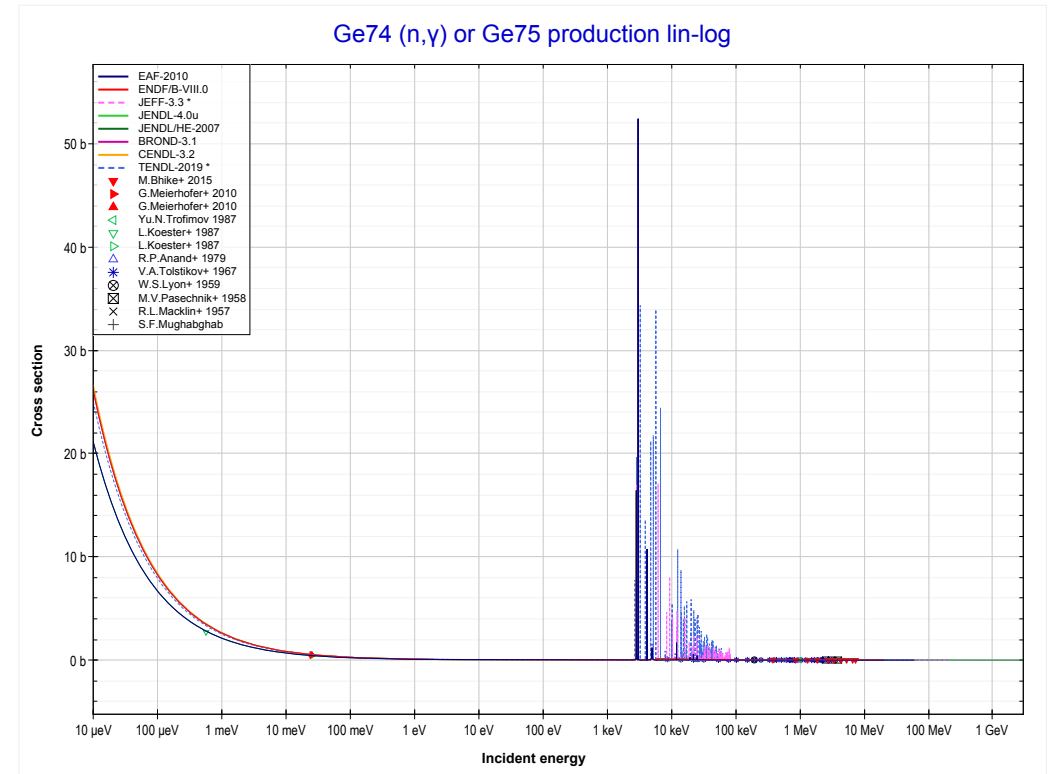
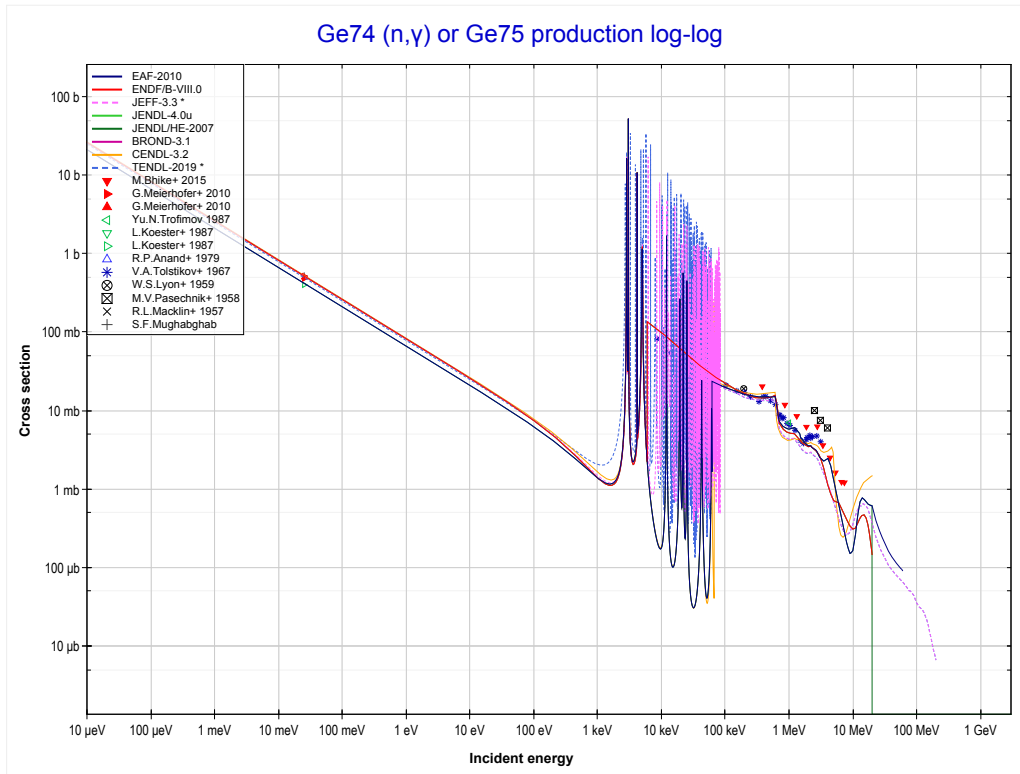
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.2216E-4 b | 1.0263 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.56361E-4 b | 0.993417 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.2216E-4 b | 1.0263 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.37016E-4 b | 1.07648 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.2216E-4 b | 1.0263 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.56564E-4 b | 0.97838 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57441E-4 b | 0.995366 b |

| | | |
|----------------|--|-------------------------|
| << 30-Zn-68 | 32-Ge-74 | 34-Se-80 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Ga73 production) | MT102 (n, γ) >> |



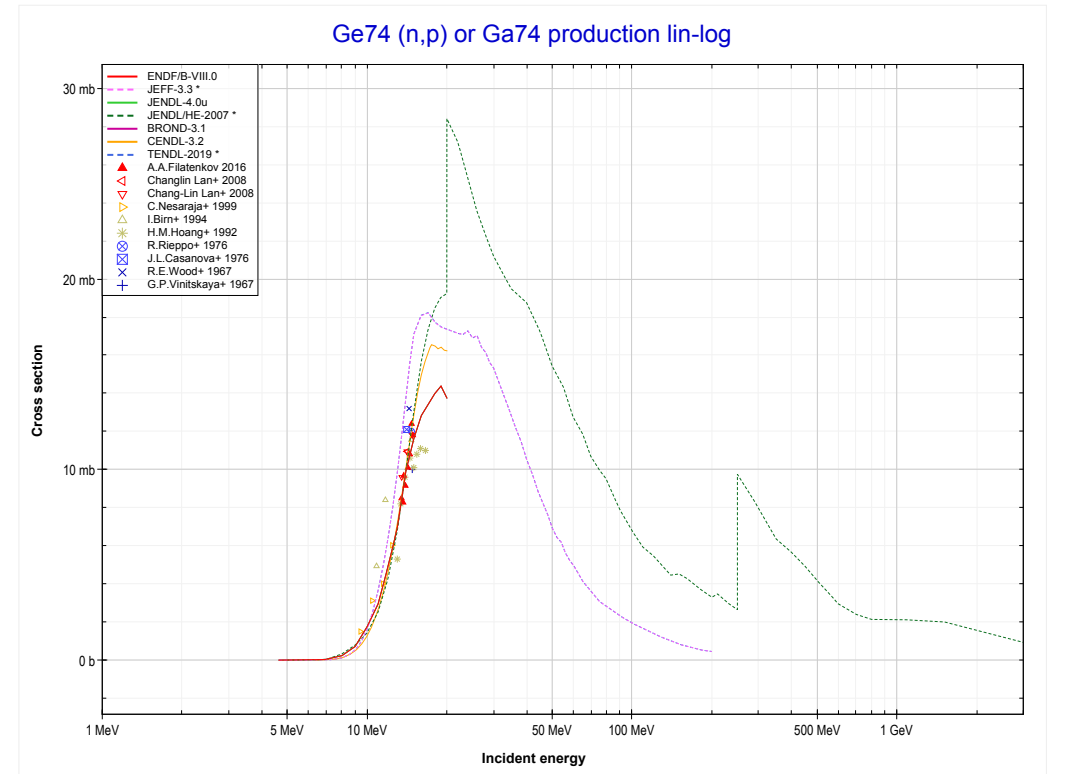
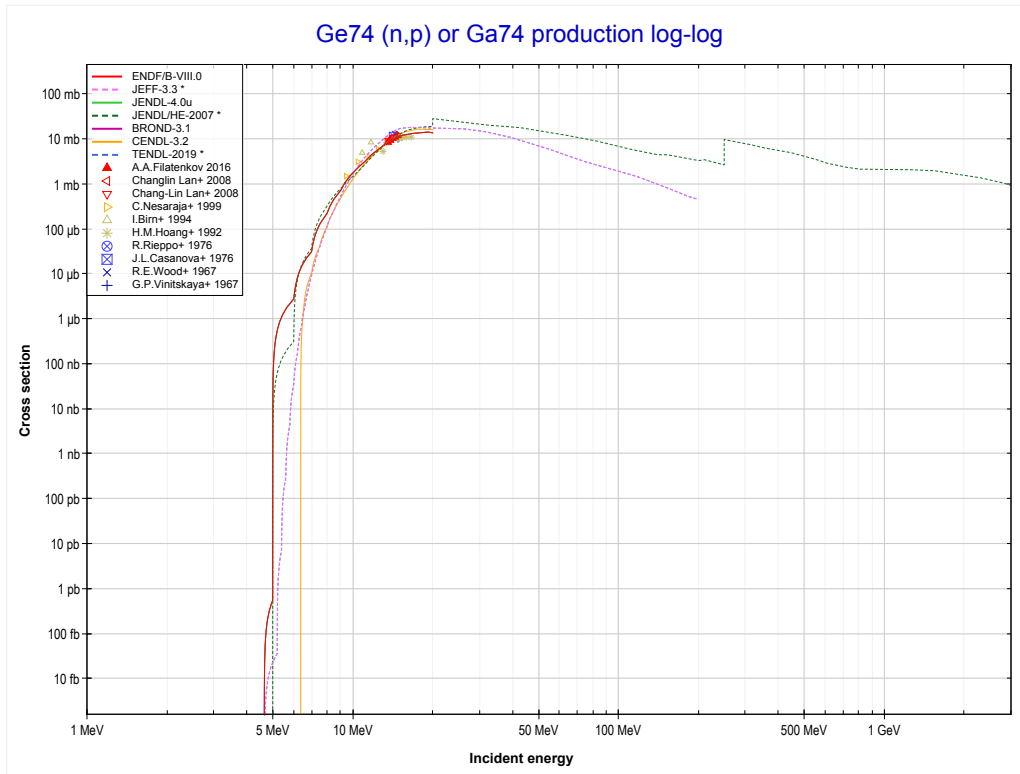
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98373E-7 b | 3.03975E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59906E-7 b | 1.26985E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.98373E-7 b | 3.03975E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.81462E-7 b | 2.12514E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98373E-7 b | 3.03975E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22139E-7 b | 9.4009E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.61861E-7 b | 1.27308E-4 b |

| | | |
|-----------------|---|----------------|
| << 32-Ge-73 | 32-Ge-74 | 32-Ge-76 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ge75 production) | MT103 (n,p) >> |



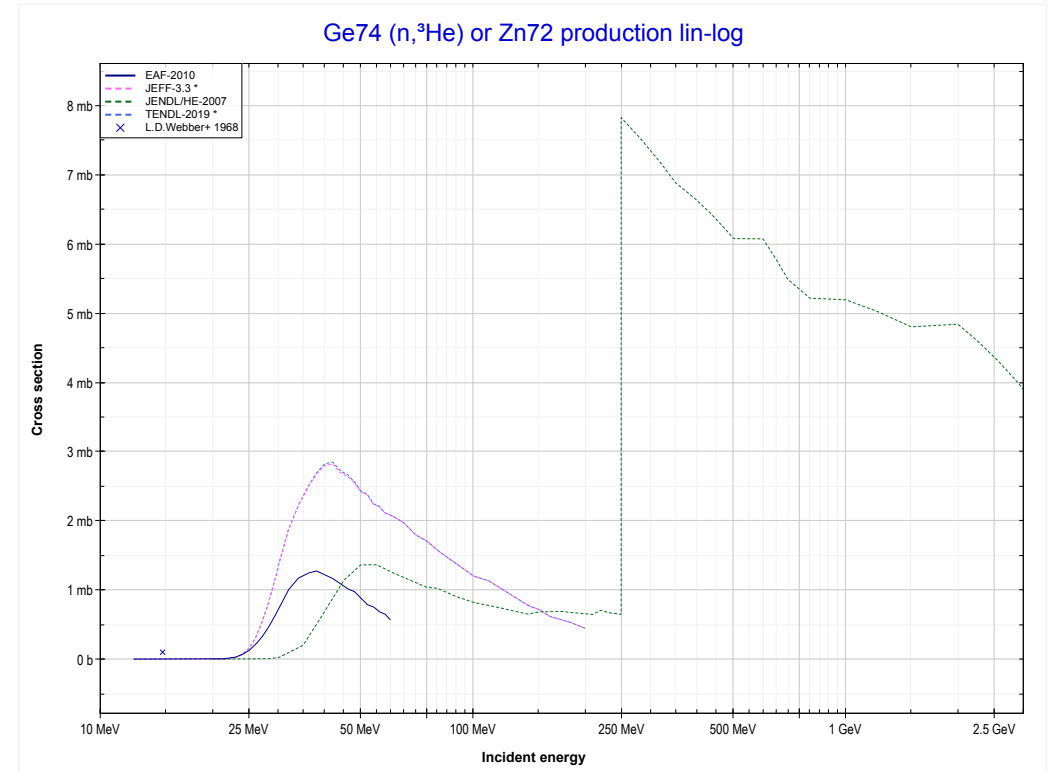
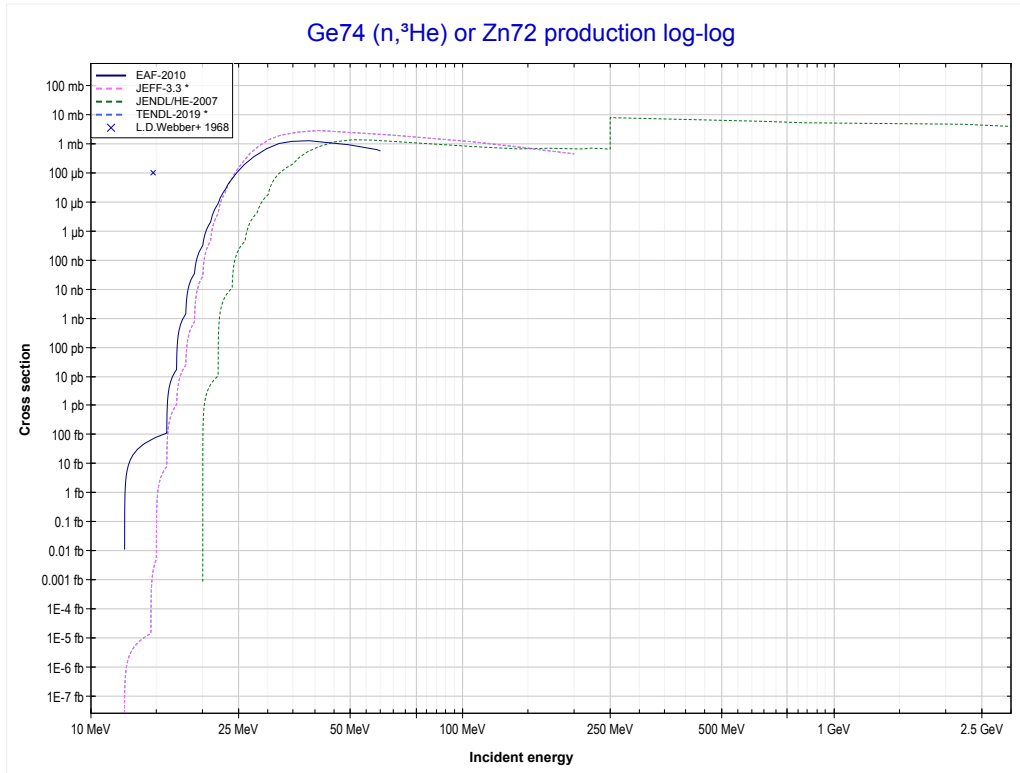
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.420401 b | 0.420086 b | 0.42001 b | 0.99983 | 0.416315 b | 0.00607464 b | 7.71543E-4 b |
| ENDF/B-VIII.0 | 0.519017 b | 0.519017 b | 0.5192 b | 1.00036 | 0.608295 b | 0.00609209 b | 4.65908E-4 b |
| JEFF-3.3 | 0.518236 b | 0.518236 b | 0.51842 b | 1.00036 | 0.552222 b | 0.00526223 b | 6.25453E-4 b |
| JENDL-4.0u | 0.519017 b | 0.519017 b | 0.5192 b | 1.00036 | 0.608295 b | 0.00609209 b | 4.65908E-4 b |
| JENDL/HE-2007 | 0.420005 b | 0.420005 b | 0.42002 b | 1.00004 | 0.416273 b | 0.00607371 b | 7.71547E-4 b |
| BROND-3.1 | 0.519017 b | 0.519017 b | 0.5192 b | 1.00036 | 0.608295 b | 0.00609209 b | 4.65908E-4 b |
| CENDL-3.2 | 0.530135 b | 0.530135 b | 0.53016 b | 1.00004 | 0.462789 b | 0.00600574 b | 0.0011275 b |
| TENDL-2019 | 0.497347 b | 0.497347 b | 0.49737 b | 1.00005 | 0.825068 b | 0.00535019 b | 6.24944E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 32-Ge-73 | 32-Ge-74 | 32-Ge-76 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ga74 production) | MT106 (n, ^3He) >> |



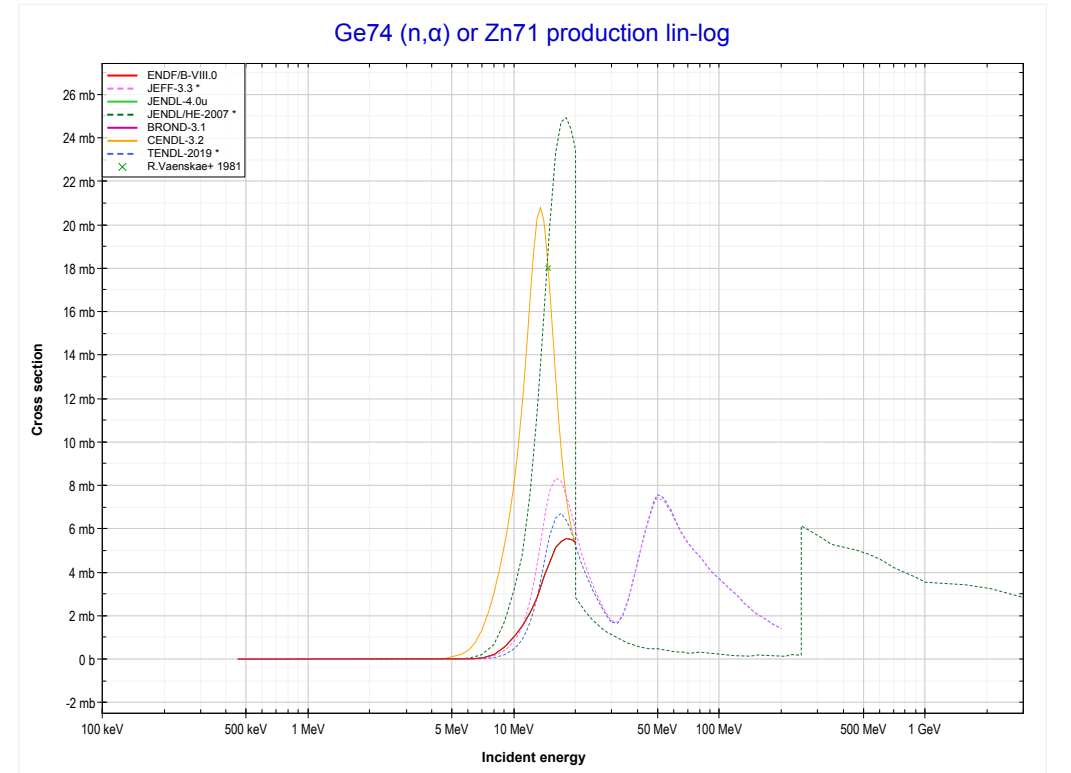
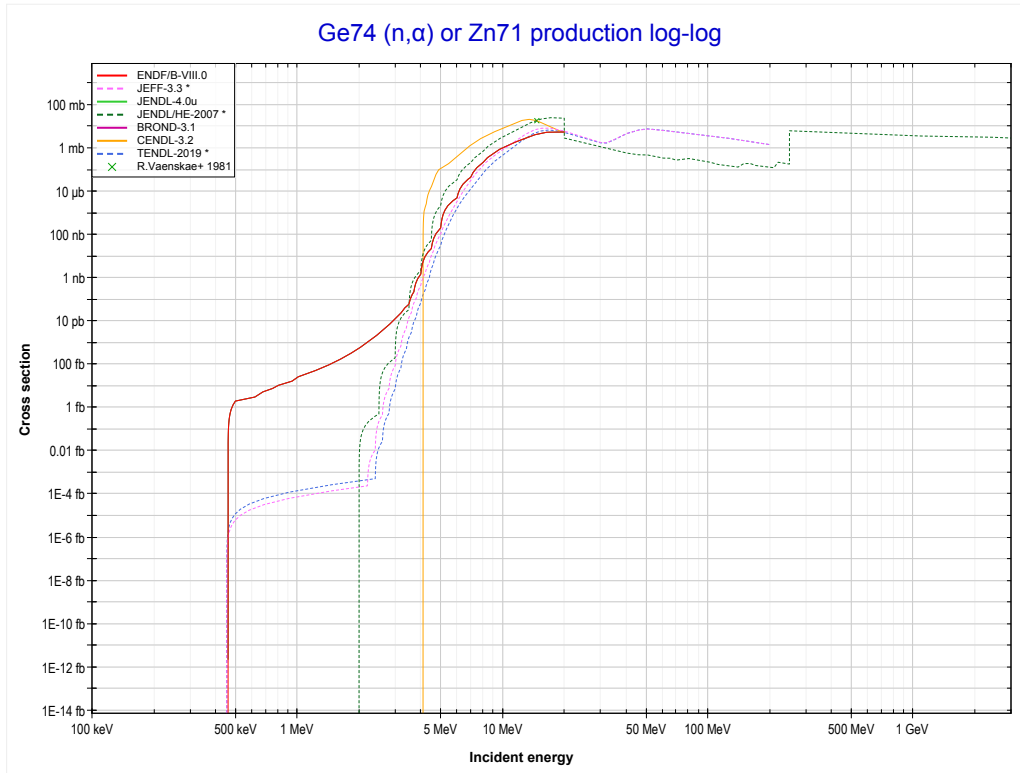
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3187E-5 b | 0.00990976 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34377E-5 b | 0.0137542 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.3187E-5 b | 0.00990976 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31142E-5 b | 0.00989959 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3187E-5 b | 0.00990976 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04864E-5 b | 0.010072 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34451E-5 b | 0.0137694 b |

| | | |
|----------------|--|----------------|
| << 31-Ga-71 | 32-Ge-74 | 33-As-75 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Zn72 production) | MT107 (n,α) >> |



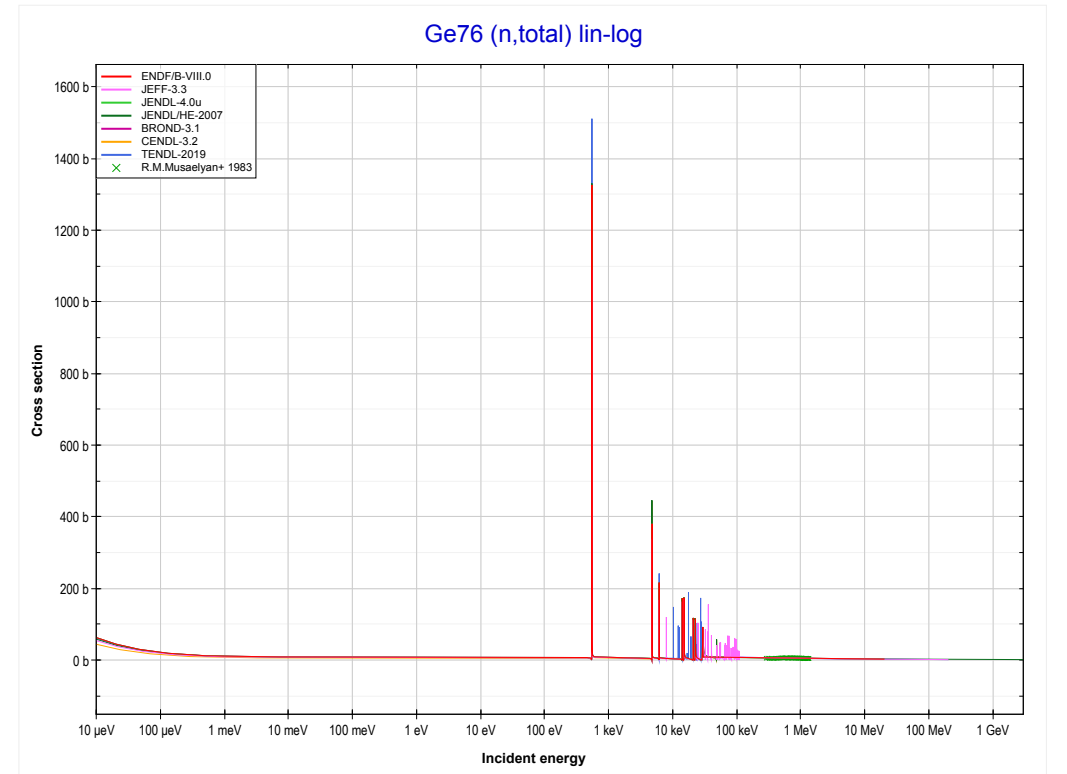
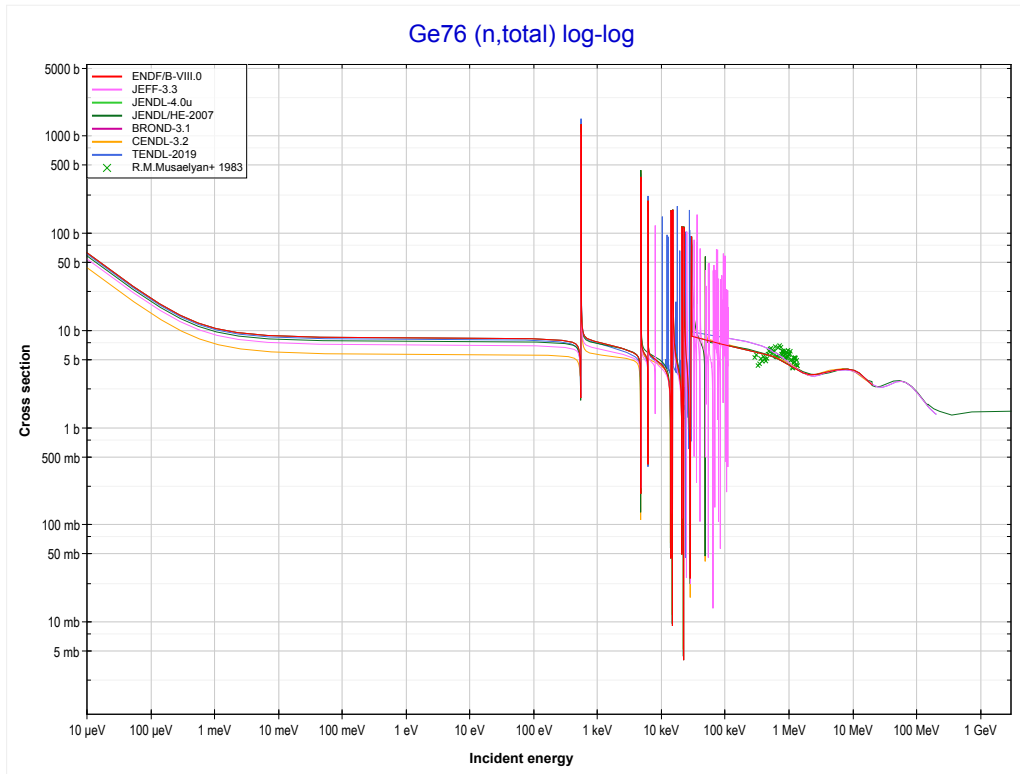
| Reaction | Q-Value |
|------------------|---------------|
| Ge74(n,He3)Zn72 | -12136.84 keV |
| Ge74(n,p+d)Zn72 | -17630.32 keV |
| Ge74(n,n+2p)Zn72 | -19854.88 keV |

| | | |
|-------------------------------|---|---------------------------|
| << 32-Ge-72 | 32-Ge-74 | 32-Ge-76 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Zn71 production) | 32-Ge-76 MT1 (n,total) >> |



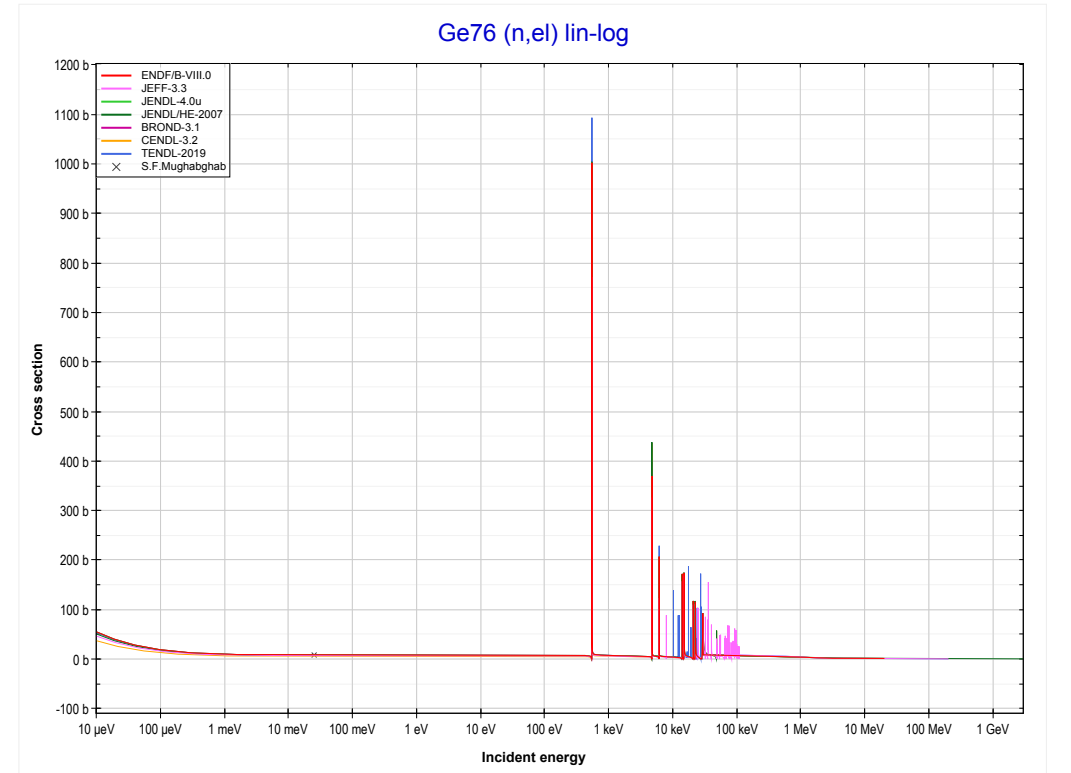
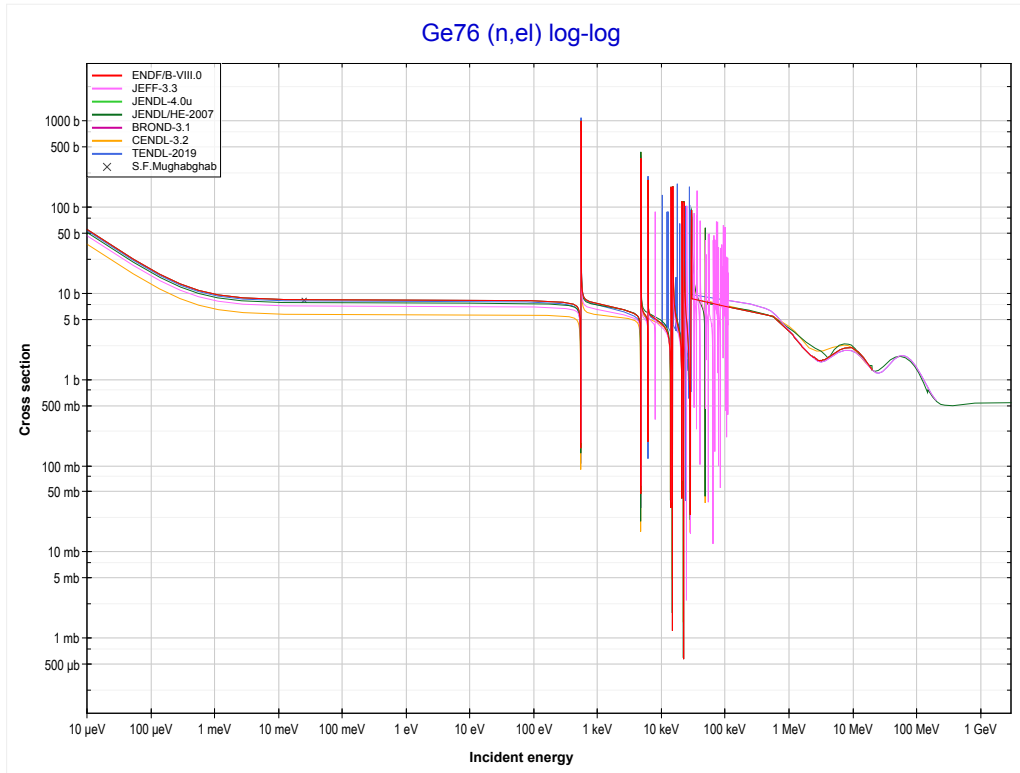
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77697E-6 b | 0.00377013 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.28252E-6 b | 0.00627928 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.77697E-6 b | 0.00377013 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.7461E-5 b | 0.0157669 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77697E-6 b | 0.00377013 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.81957E-5 b | 0.020217 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.27094E-6 b | 0.00433633 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << 32-Ge-74 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



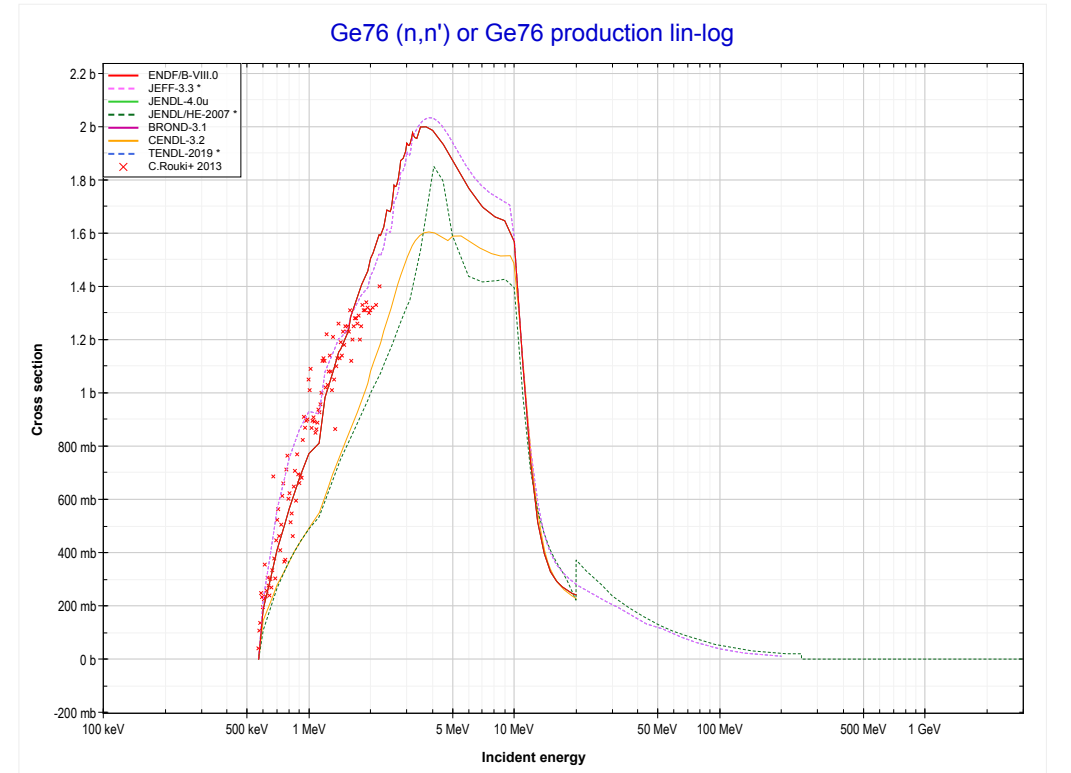
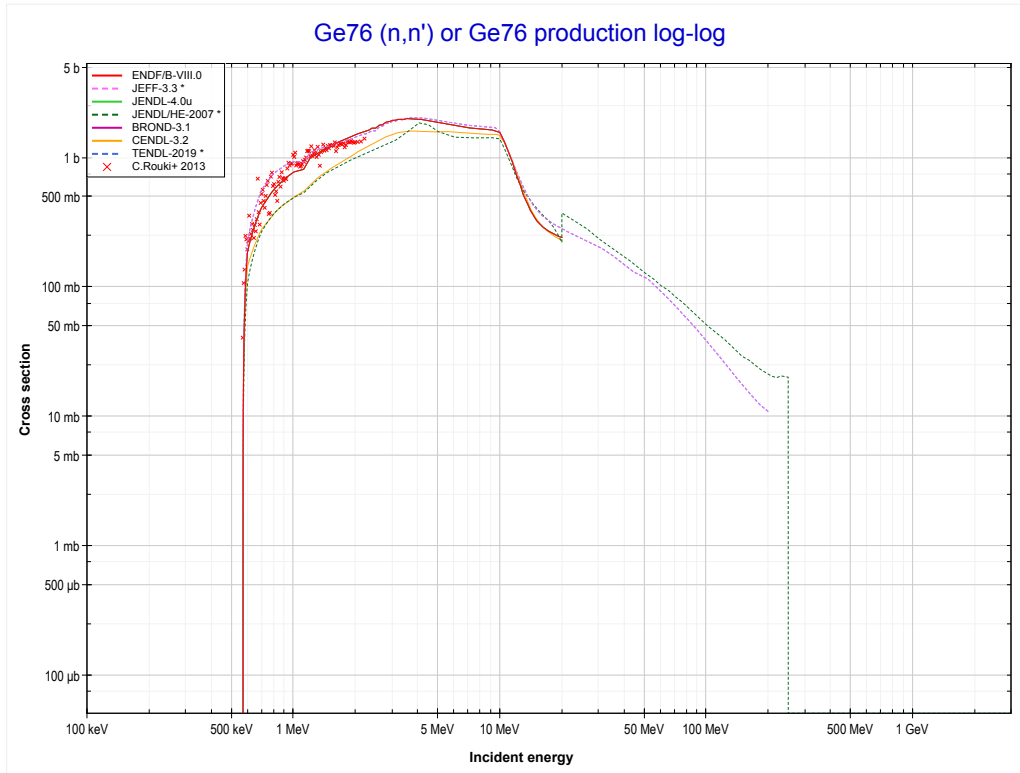
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.57107 b | 8.57107 b | 9.6514 b | 1.12605 | 101.292 b | 4.29665 b | 3.4459 b |
| JEFF-3.3 | 7.26309 b | 7.26309 b | 8.1756 b | 1.12563 | 89.6904 b | 4.52465 b | 3.39104 b |
| JENDL-4.0u | 8.57107 b | 8.57107 b | 9.6514 b | 1.12605 | 101.292 b | 4.29665 b | 3.4459 b |
| JENDL/HE-2007 | 7.91122 b | 7.91122 b | 8.908 b | 1.12599 | 99.1092 b | 4.32065 b | 3.36586 b |
| BROND-3.1 | 8.57107 b | 8.57107 b | 9.6514 b | 1.12605 | 101.292 b | 4.29665 b | 3.4459 b |
| CENDL-3.2 | 5.81674 b | 5.81674 b | 6.5458 b | 1.12534 | 81.0508 b | 4.37791 b | 3.2788 b |
| TENDL-2019 | 8.29578 b | 8.29578 b | 9.3413 b | 1.12604 | 98.1388 b | 4.52963 b | 3.39104 b |

| | | |
|------------------|------------------------|---------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



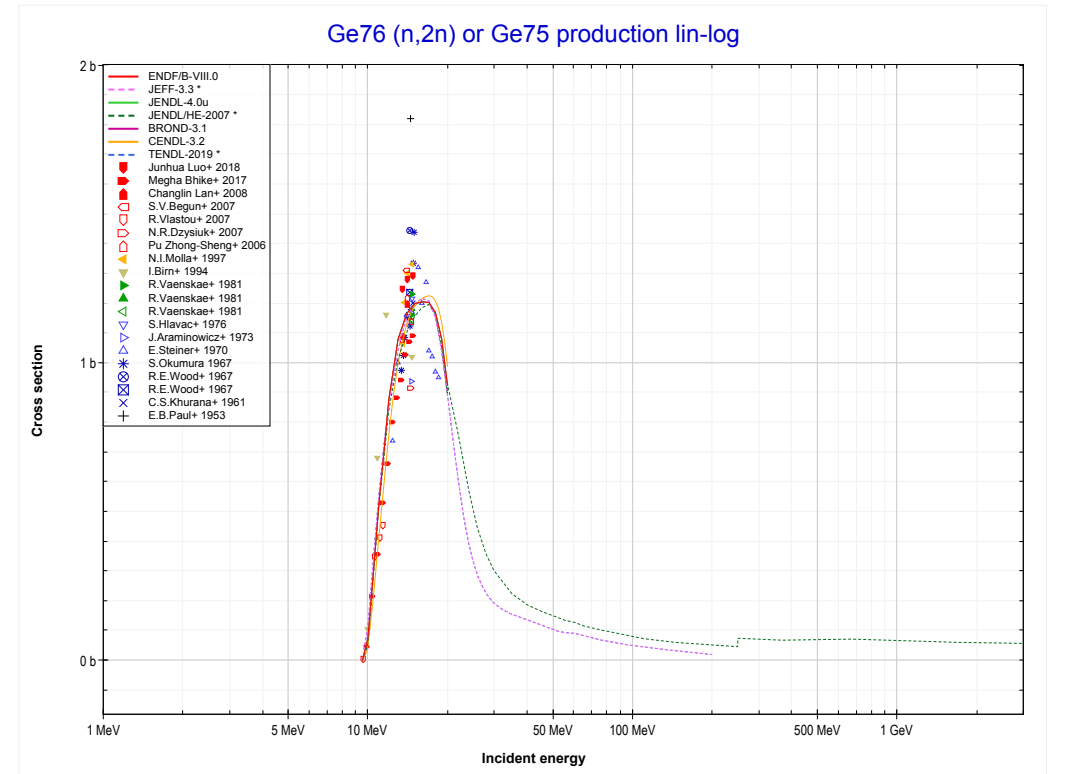
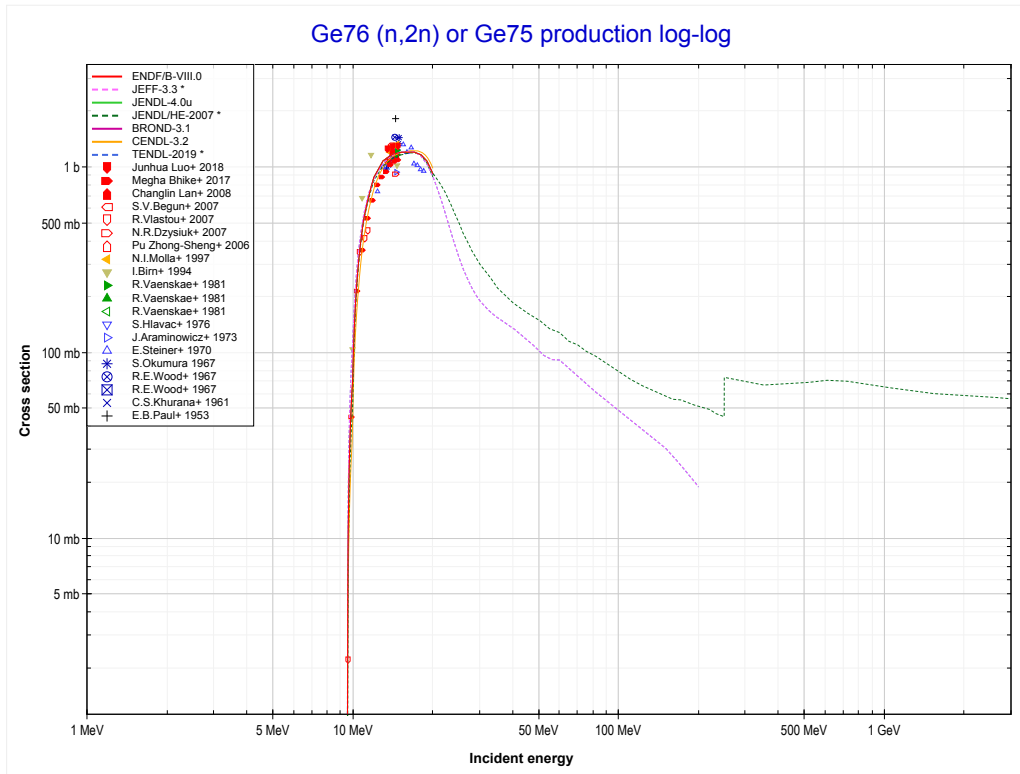
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.41643 b | 8.41643 b | 9.4967 b | 1.12836 | 99.9632 b | 3.1648 b | 1.88213 b |
| JEFF-3.3 | 7.10857 b | 7.10857 b | 8.021 b | 1.12836 | 88.3292 b | 3.36279 b | 1.77015 b |
| JENDL-4.0u | 8.41643 b | 8.41643 b | 9.4967 b | 1.12836 | 99.9632 b | 3.1648 b | 1.88213 b |
| JENDL/HE-2007 | 7.76122 b | 7.76122 b | 8.758 b | 1.12842 | 97.7886 b | 3.50261 b | 1.79062 b |
| BROND-3.1 | 8.41643 b | 8.41643 b | 9.4967 b | 1.12836 | 99.9632 b | 3.1648 b | 1.88213 b |
| CENDL-3.2 | 5.67668 b | 5.67668 b | 6.4057 b | 1.12843 | 78.0068 b | 3.52741 b | 1.732 b |
| TENDL-2019 | 8.14158 b | 8.14158 b | 9.1871 b | 1.12842 | 96.2986 b | 3.36808 b | 1.77015 b |

| | | |
|--------------------|--|----------------|
| << 32-Ge-Nat | 32-Ge-76 | 33-As-75 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ge76 production) | MT16 (n,2n) >> |



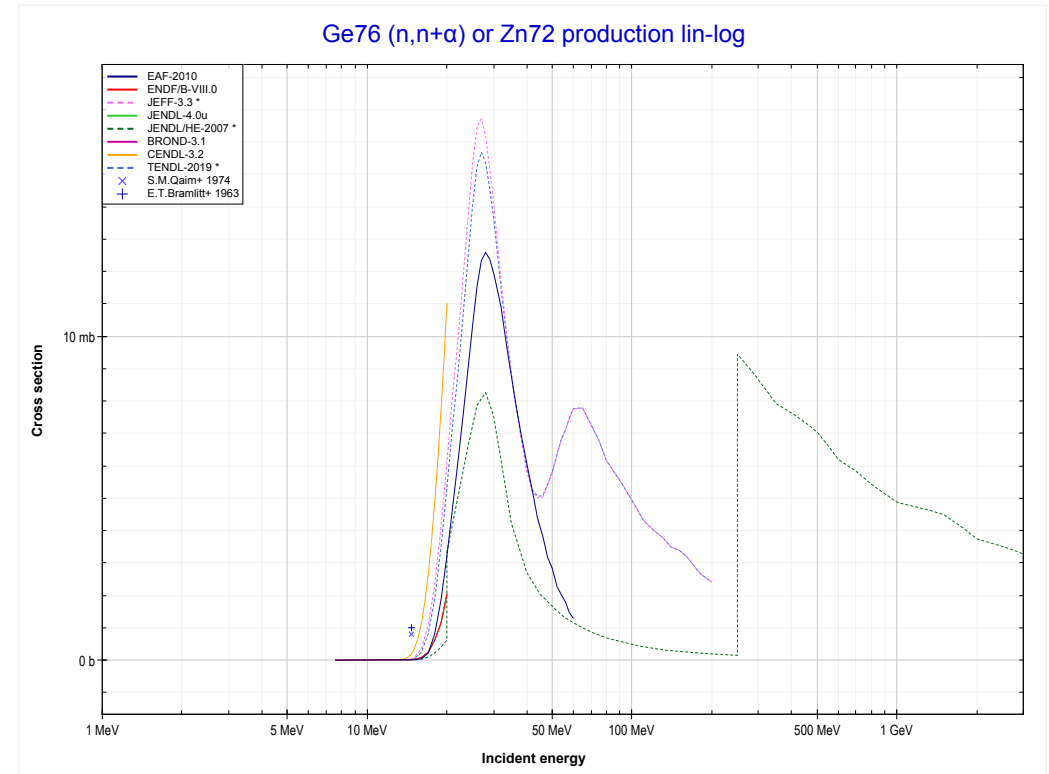
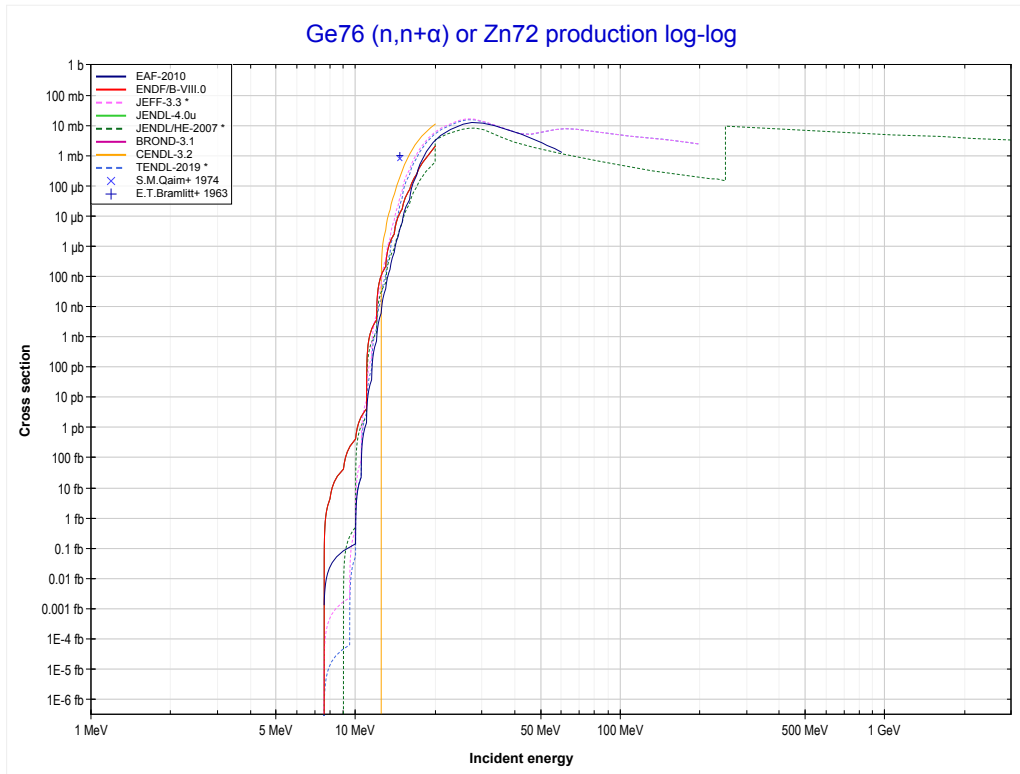
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12792 b | 0.395813 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15818 b | 0.470407 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.12792 b | 0.395813 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.812552 b | 0.470274 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12792 b | 0.395813 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.847233 b | 0.41278 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15817 b | 0.470327 b |

| | | |
|---------------|---|-----------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ge75 production) | MT22 (n,n+α) >> |



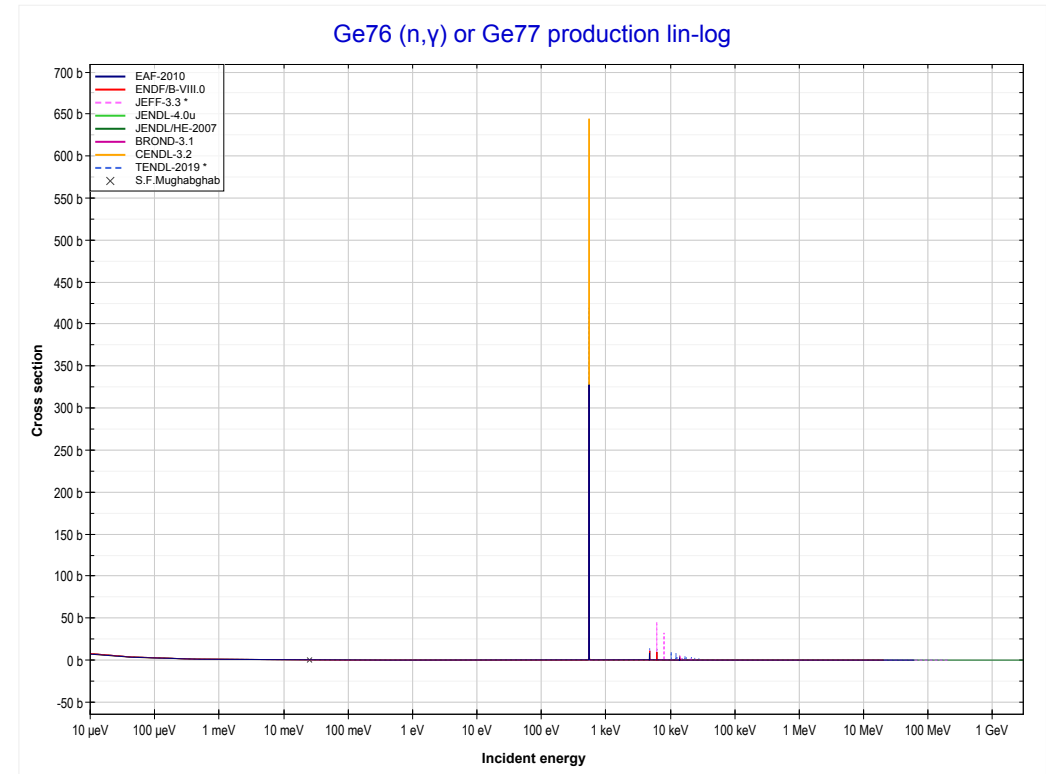
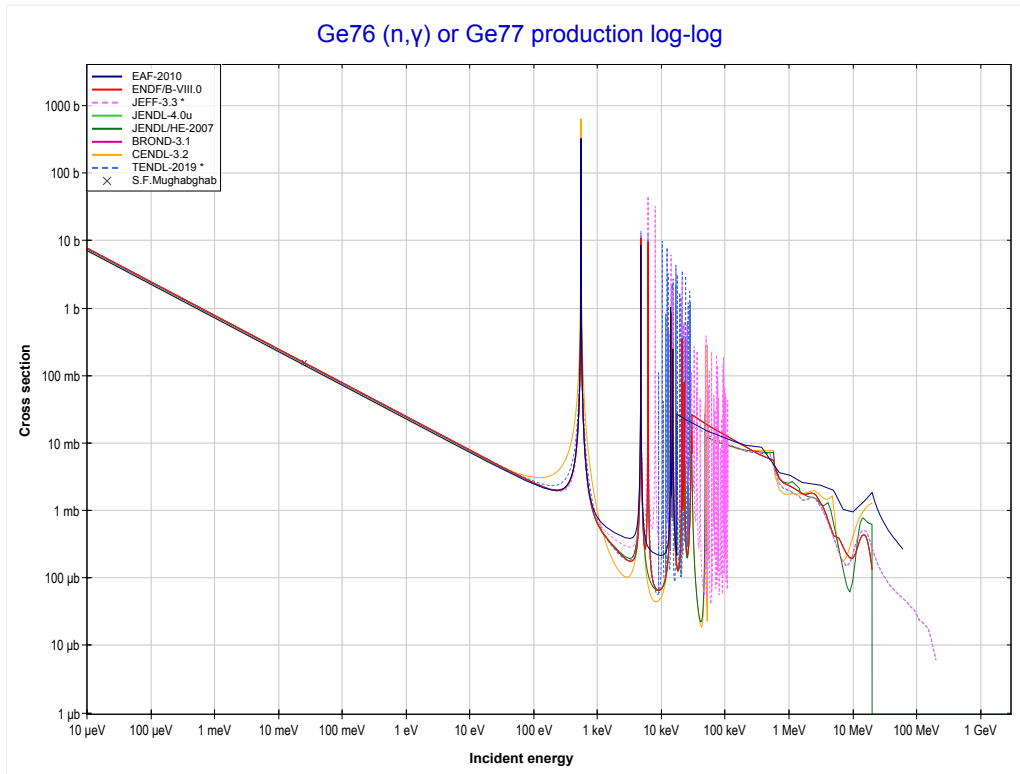
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114677 b | 1.1637 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012033 b | 1.14627 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114677 b | 1.1637 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0010911 b | 1.09989 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114677 b | 1.1637 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.78475E-4 b | 1.1282 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120374 b | 1.1466 b |

| | | |
|----------------|--|----------------|
| << 31-Ga-71 | 32-Ge-76 | 35-Br-81 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Zn72 production) | MT102 (n,γ) >> |



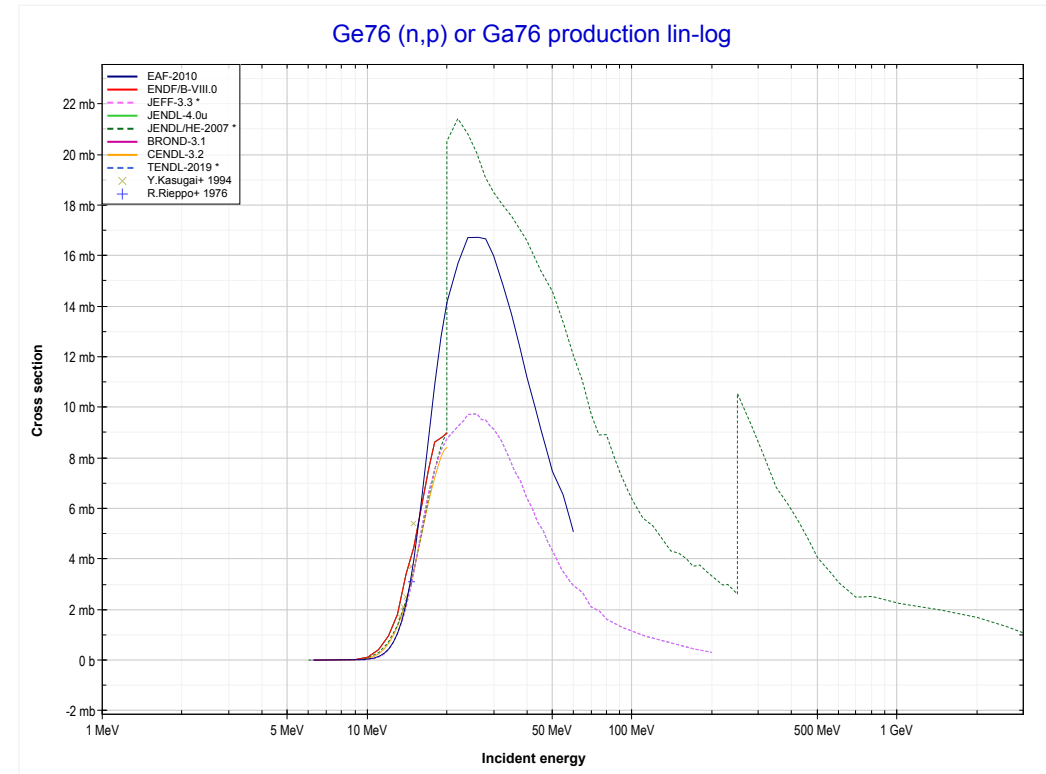
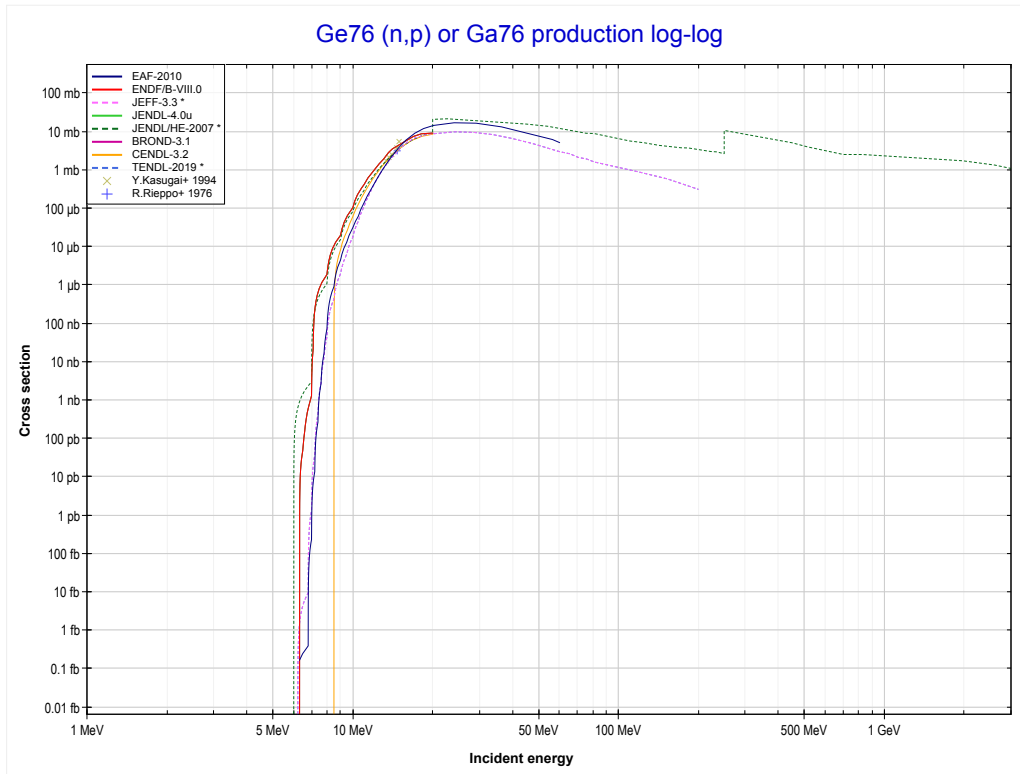
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26508E-8 b | 2.52123E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.83306E-8 b | 7.13247E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.26508E-8 b | 2.52123E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.3718E-9 b | 8.19714E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26508E-8 b | 2.52123E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17733E-7 b | 5.0124E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.77074E-8 b | 2.90625E-6 b |

| | | |
|-----------------|---|----------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Ge77 production) | MT103 (n,p) >> |



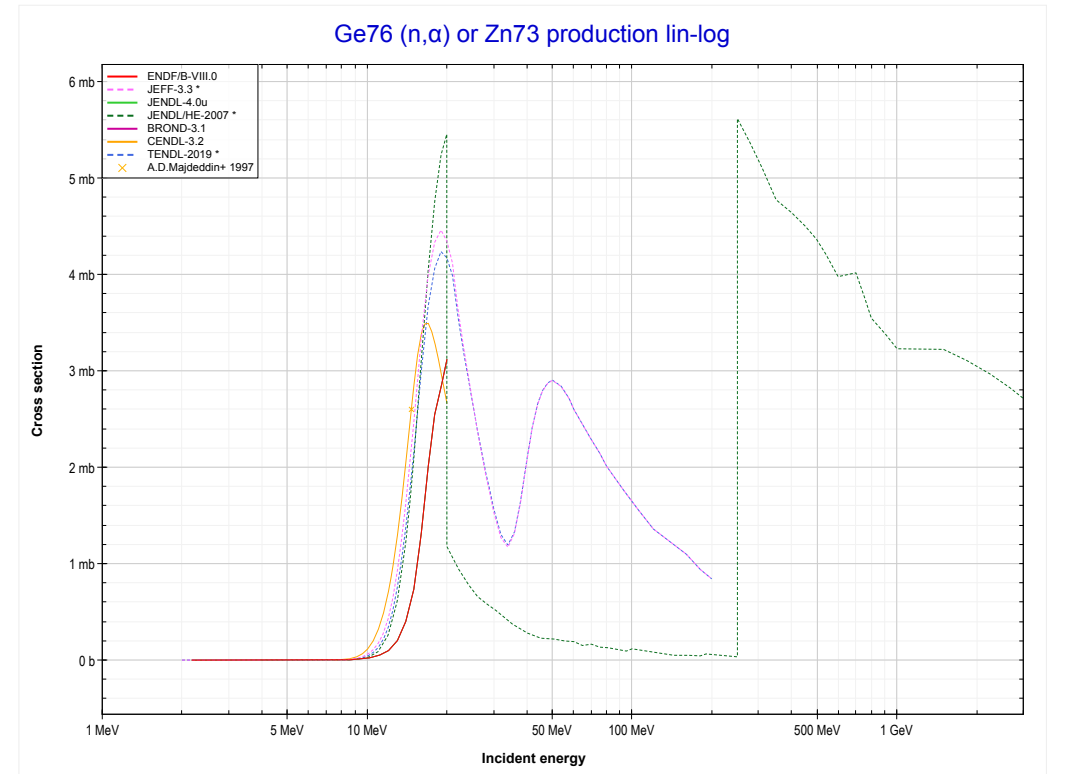
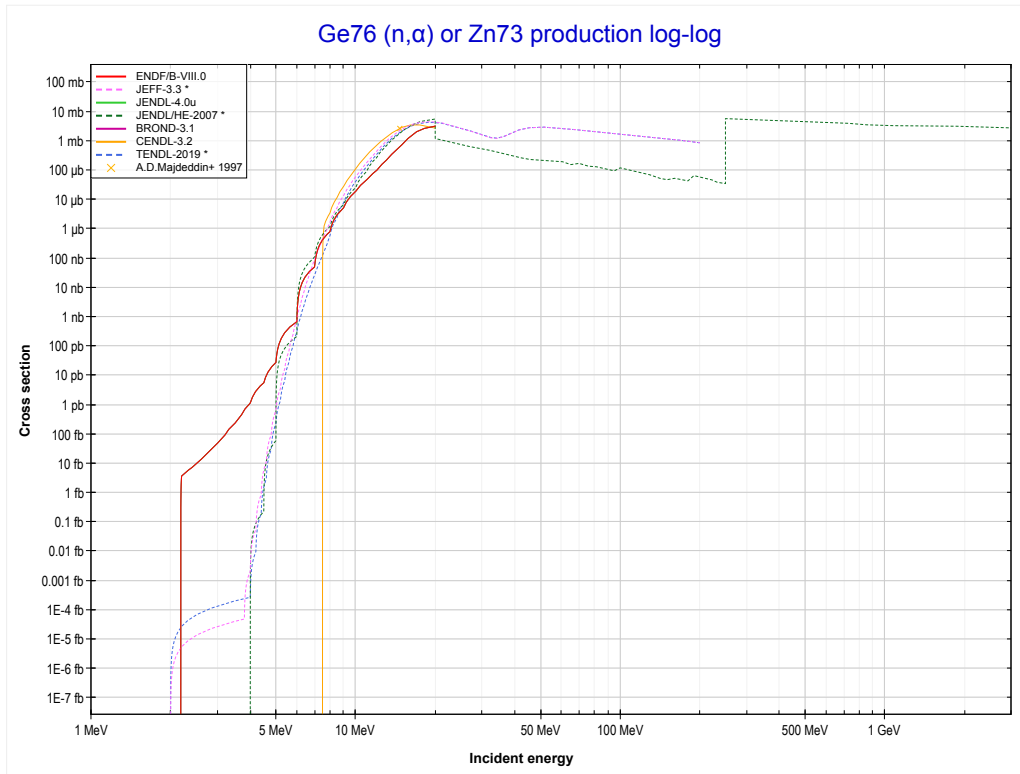
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.142171 b | 0.142065 b | 0.14204 b | 0.99982 | 1.32211 b | 0.00363697 b | 0.00127749 b |
| ENDF/B-VIII.0 | 0.154641 b | 0.154641 b | 0.1547 b | 1.00037 | 1.32907 b | 0.0027789 b | 4.29243E-4 b |
| JEFF-3.3 | 0.154519 b | 0.154519 b | 0.15458 b | 1.00037 | 1.36126 b | 0.00247993 b | 5.0087E-4 b |
| JENDL-4.0u | 0.154641 b | 0.154641 b | 0.1547 b | 1.00037 | 1.32907 b | 0.0027789 b | 4.29243E-4 b |
| JENDL/HE-2007 | 0.15 b | 0.15 b | 0.15001 b | 1.00006 | 1.30362 b | 0.00276196 b | 7.66359E-4 b |
| BROND-3.1 | 0.154641 b | 0.154641 b | 0.1547 b | 1.00037 | 1.32907 b | 0.0027789 b | 4.29243E-4 b |
| CENDL-3.2 | 0.140054 b | 0.140054 b | 0.14007 b | 1.00009 | 3.03212 b | 0.00271855 b | 9.2237E-4 b |
| TENDL-2019 | 0.154199 b | 0.154199 b | 0.15421 b | 1.00007 | 1.82111 b | 0.00252469 b | 5.00525E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ga76 production) | MT107 (n, α) >> |



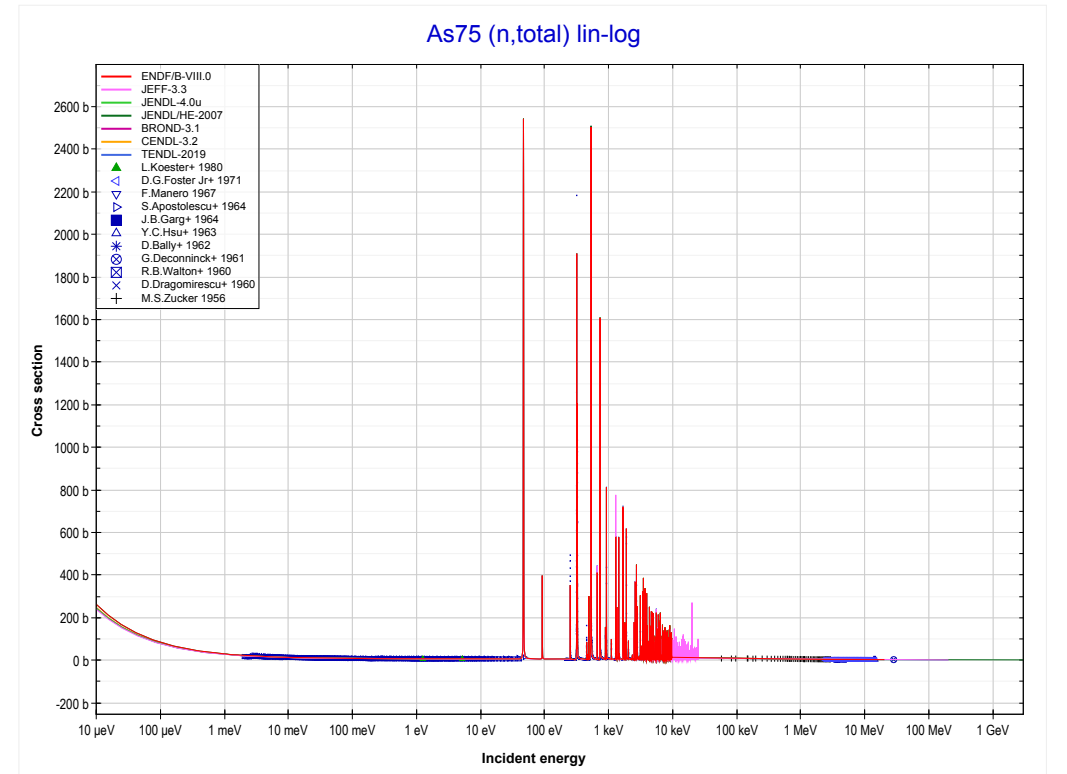
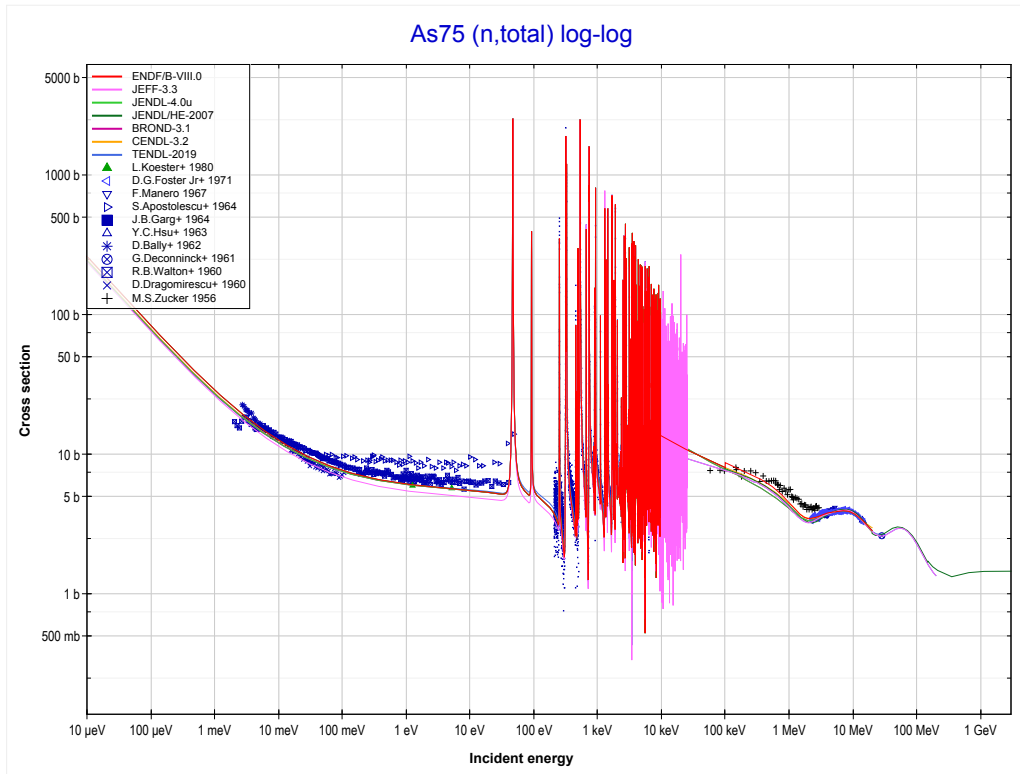
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12874E-6 b | 0.00218325 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.90841E-6 b | 0.00337316 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.73003E-7 b | 0.00206029 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.90841E-6 b | 0.00337316 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.44747E-6 b | 0.00231997 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.90841E-6 b | 0.00337316 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27466E-6 b | 0.0023017 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.73038E-7 b | 0.00206043 b |

| | | |
|----------------|---|---------------------------|
| << 32-Ge-74 | 32-Ge-76 | 33-As-75 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Zn73 production) | 33-As-75 MT1 (n,total) >> |



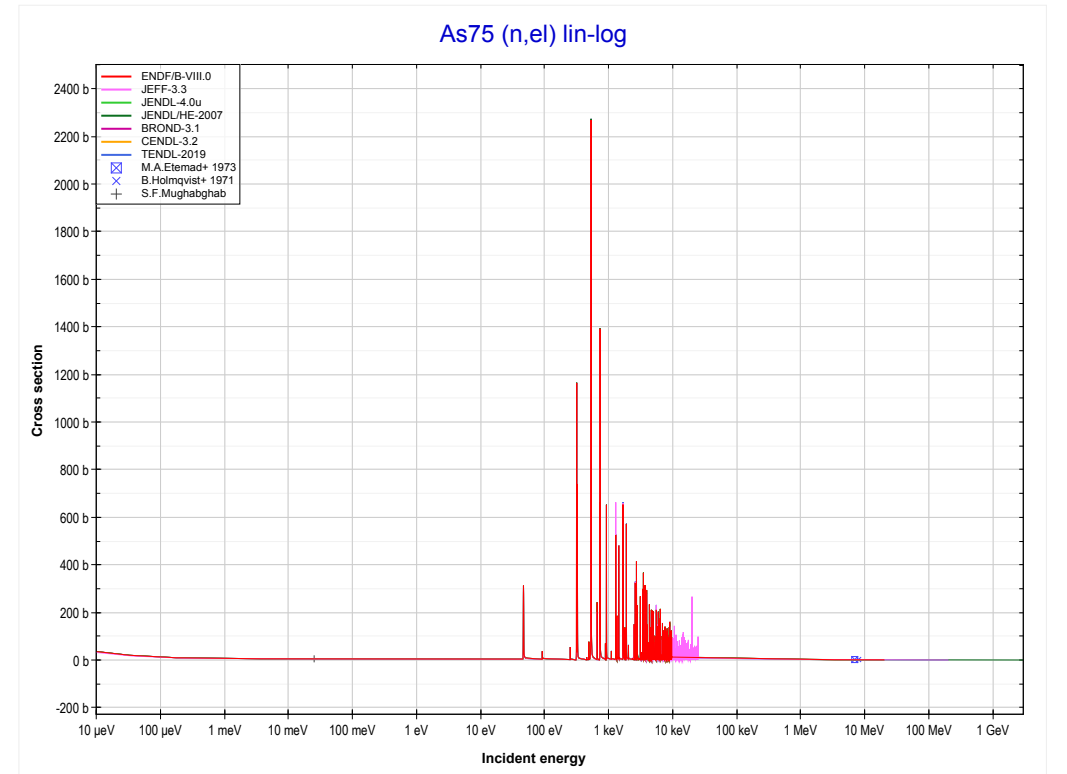
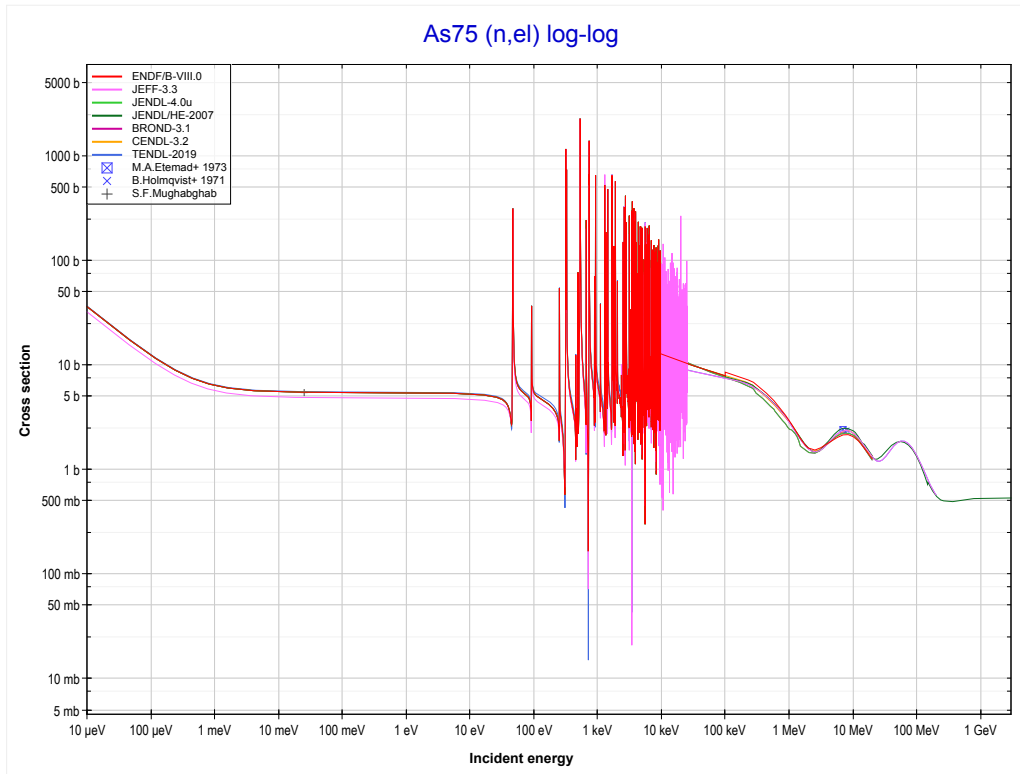
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85321E-7 b | 4.02584E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.39458E-7 b | 0.00162985 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.85321E-7 b | 4.02584E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74688E-7 b | 0.00122882 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85321E-7 b | 4.02584E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34419E-6 b | 0.0020494 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.55166E-7 b | 0.00138031 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-74 >> |
| << 32-Ge-76 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



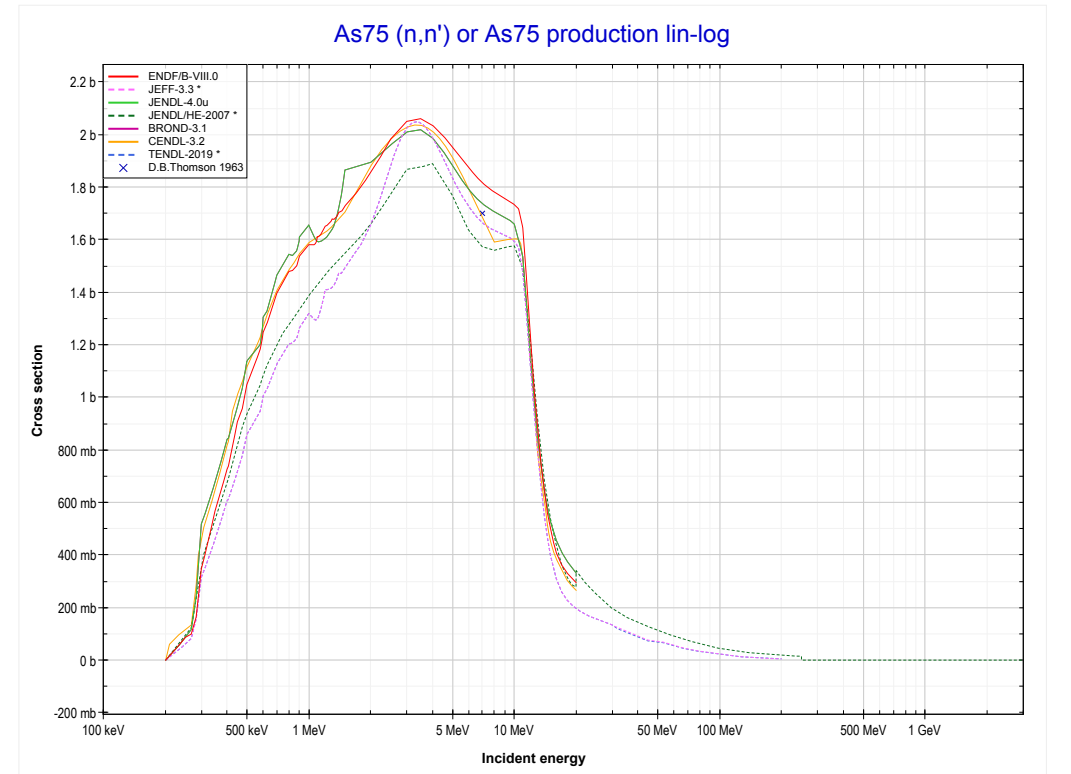
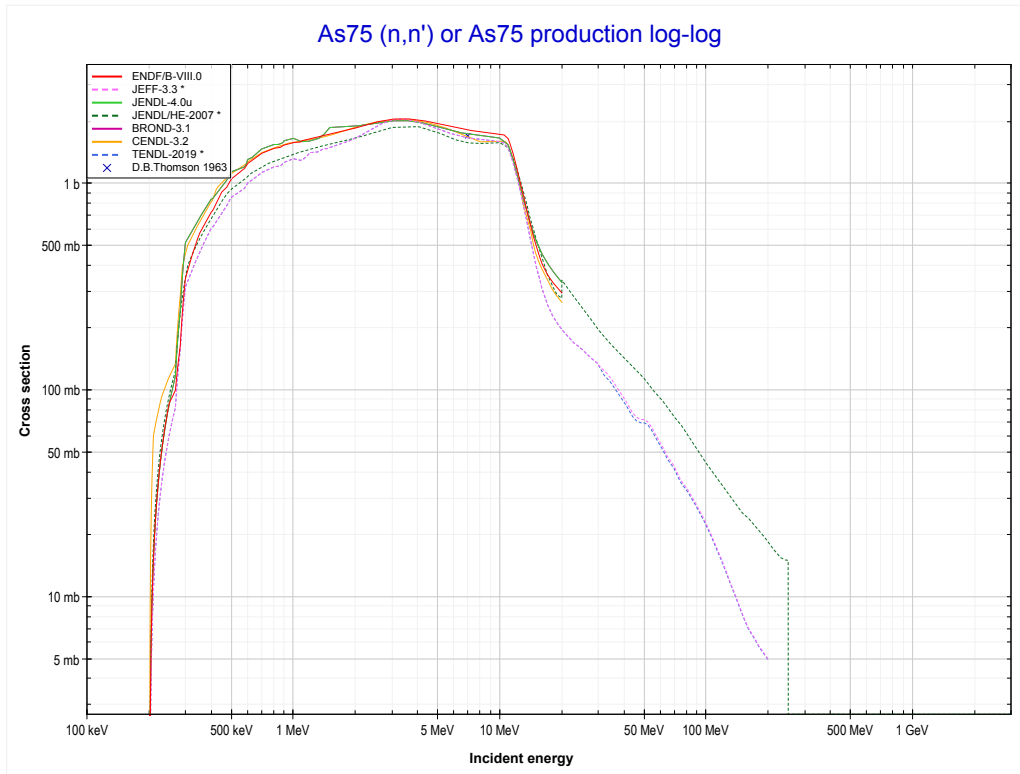
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.96799 b | 9.96799 b | 10.672 b | 1.0706 | 217.129 b | 4.48875 b | 3.39291 b |
| JEFF-3.3 | 8.97626 b | 8.97626 b | 9.6036 b | 1.06989 | 205.365 b | 4.20599 b | 3.35641 b |
| JENDL-4.0u | 9.61892 b | 9.61892 b | 10.323 b | 1.07315 | 217.507 b | 4.18426 b | 3.354 b |
| JENDL/HE-2007 | 9.96671 b | 9.96671 b | 10.669 b | 1.07051 | 217.087 b | 4.2663 b | 3.45624 b |
| BROND-3.1 | 9.61892 b | 9.61892 b | 10.323 b | 1.07315 | 217.507 b | 4.18426 b | 3.354 b |
| CENDL-3.2 | 9.69661 b | 9.69661 b | 10.399 b | 1.07247 | 216.973 b | 4.39197 b | 3.3841 b |
| TENDL-2019 | 9.62266 b | 9.62266 b | 10.334 b | 1.07395 | 211.206 b | 4.2034 b | 3.35899 b |

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|------------------|------------------------|---------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-74 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



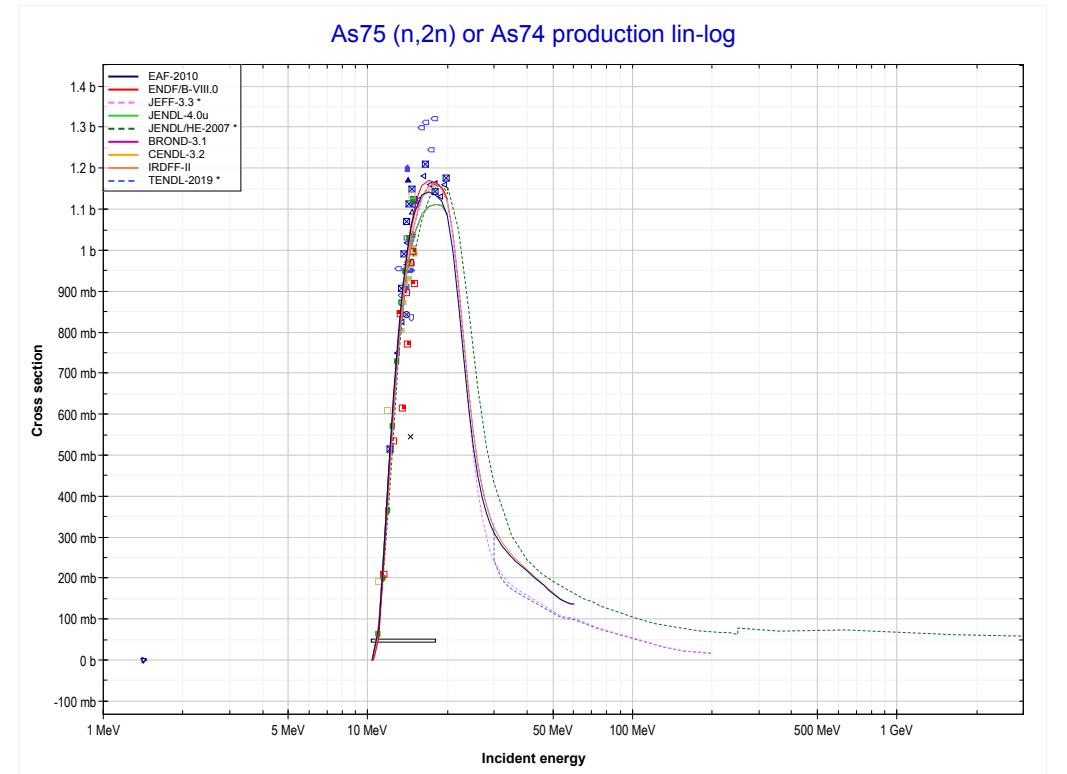
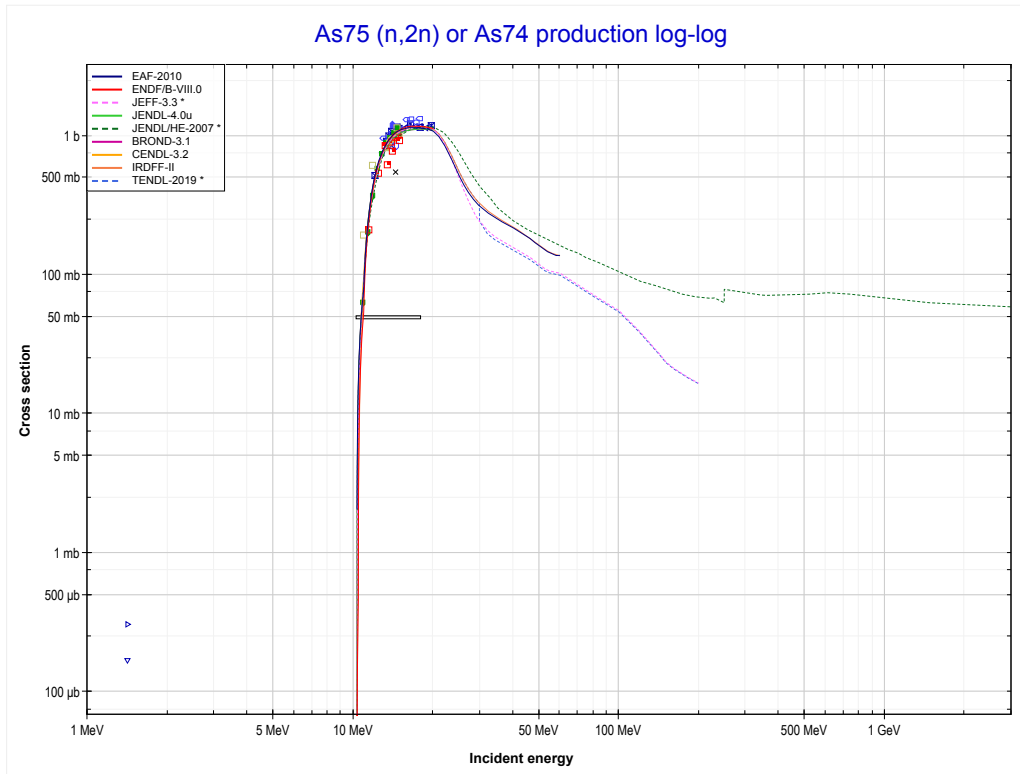
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.46654 b | 5.46654 b | 6.1678 b | 1.12828 | 153.472 b | 2.88061 b | 1.6982 b |
| JEFF-3.3 | 4.87181 b | 4.87181 b | 5.4968 b | 1.12828 | 142.713 b | 2.75709 b | 1.7932 b |
| JENDL-4.0u | 5.46654 b | 5.46654 b | 6.1678 b | 1.12828 | 154.027 b | 2.55587 b | 1.70754 b |
| JENDL/HE-2007 | 5.46654 b | 5.46654 b | 6.1682 b | 1.12835 | 153.428 b | 2.81739 b | 1.77836 b |
| BROND-3.1 | 5.46654 b | 5.46654 b | 6.1678 b | 1.12828 | 154.027 b | 2.55587 b | 1.70754 b |
| CENDL-3.2 | 5.46654 b | 5.46654 b | 6.1682 b | 1.12835 | 153.428 b | 2.77585 b | 1.7089 b |
| TENDL-2019 | 5.53538 b | 5.53538 b | 6.2459 b | 1.12836 | 148.799 b | 2.75518 b | 1.7932 b |

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|--------------------|--|----------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-76 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (As75 production) | MT16 (n,2n) >> |



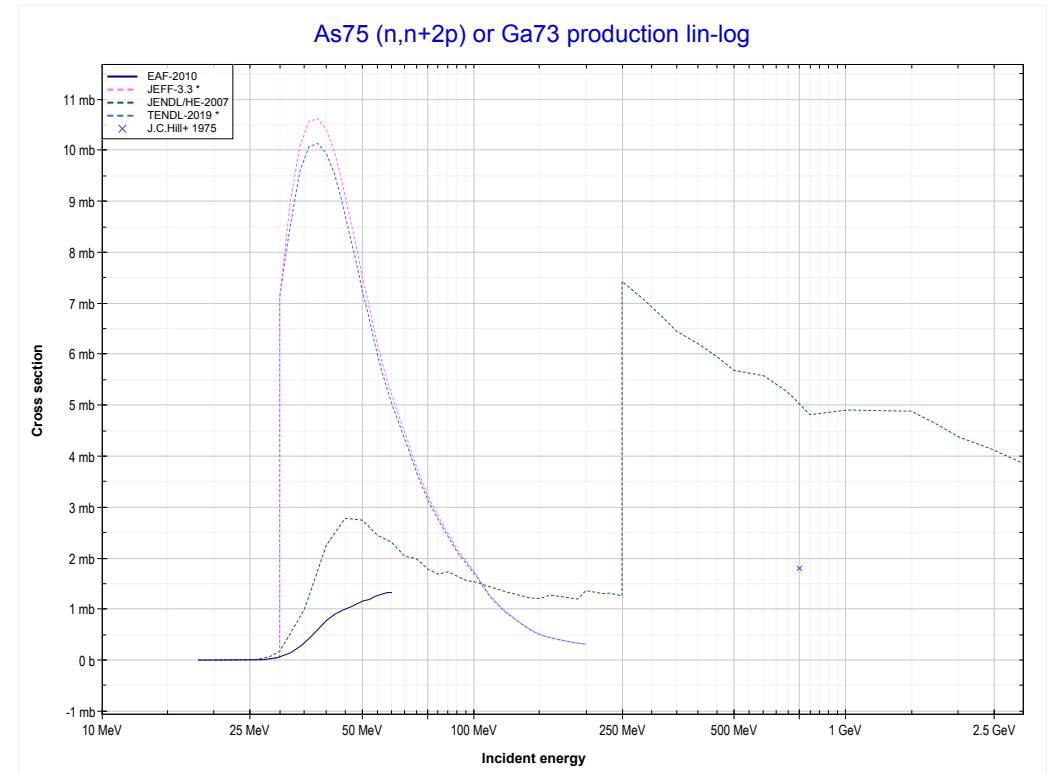
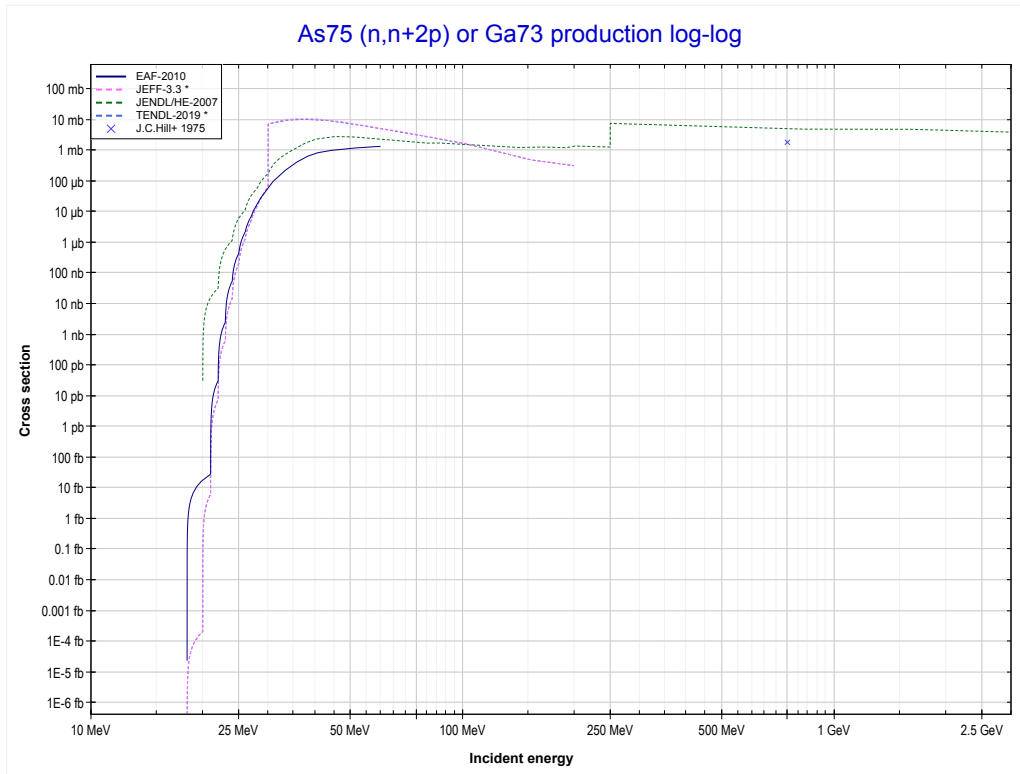
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57687 b | 0.650178 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41722 b | 0.551438 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.59448 b | 0.645727 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41438 b | 0.685141 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59448 b | 0.645727 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57977 b | 0.60503 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41735 b | 0.550104 b |

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|---------------|---|------------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-74 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (As74 production) | MT44 (n,n+2p) >> |



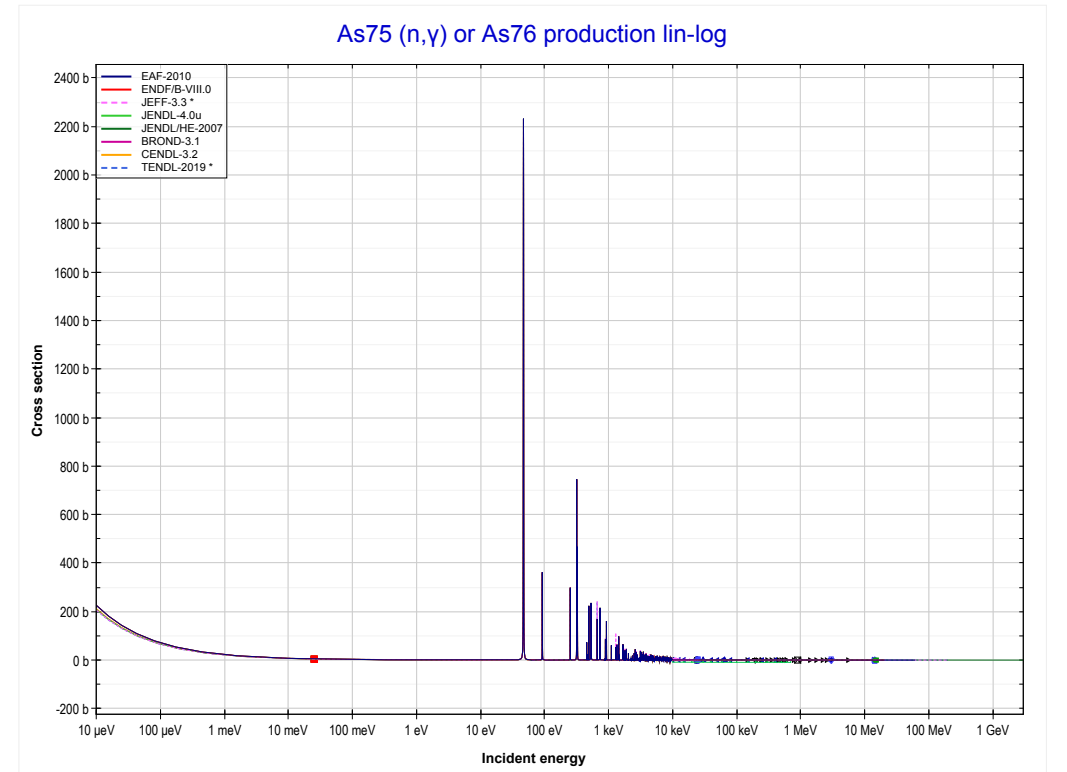
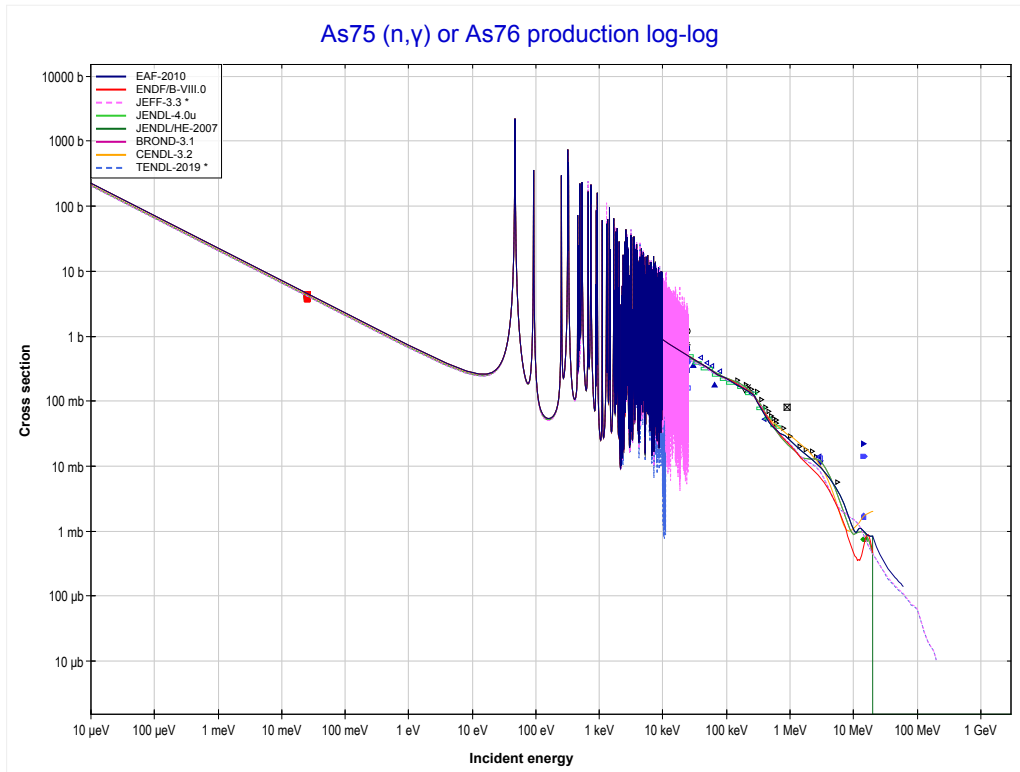
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.30864E-4 b | 0.98585 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.06242E-4 b | 0.979443 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.02928E-4 b | 0.945559 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.15825E-4 b | 0.9394 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.74245E-4 b | 0.95 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.15825E-4 b | 0.9394 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.18443E-4 b | 0.97 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 4.92046E-4 b | 0.94469 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.02978E-4 b | 0.945558 b |

| | | |
|----------------|---|-------------------------|
| << 23-V-51 | 33-As-75 | 41-Nb-93 >> |
| << MT16 (n,2n) | MT44 (n,n+2p) or MT5 (Ga73 production) | MT102 (n, γ) >> |



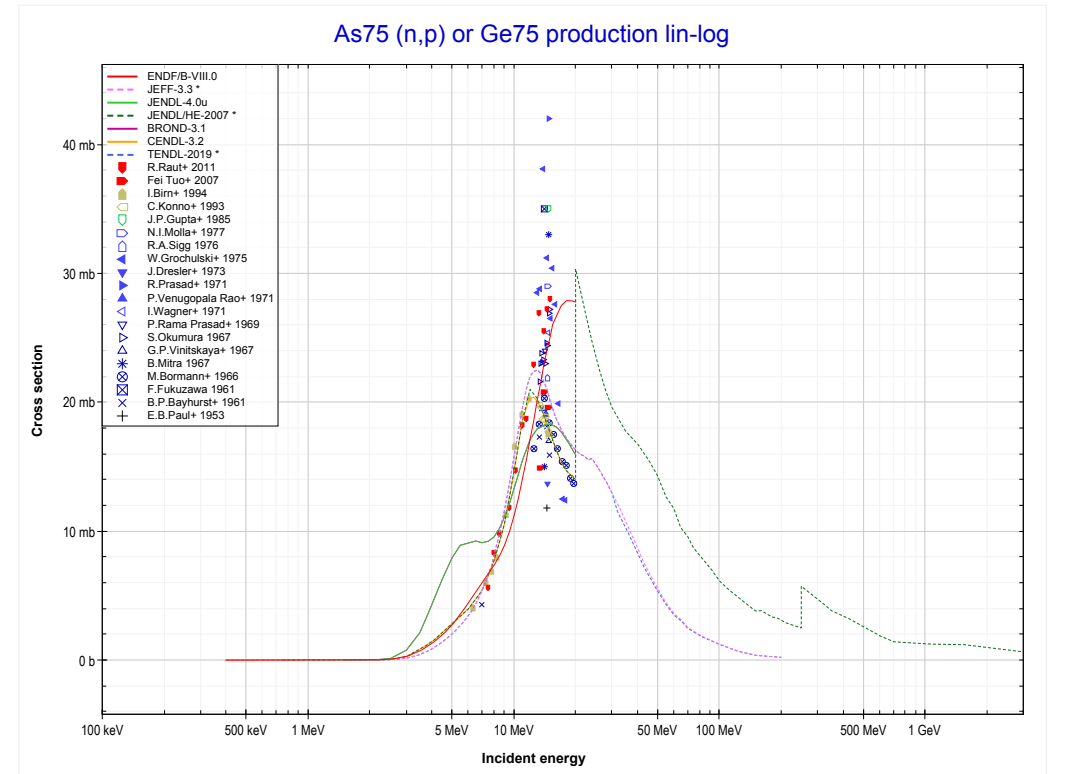
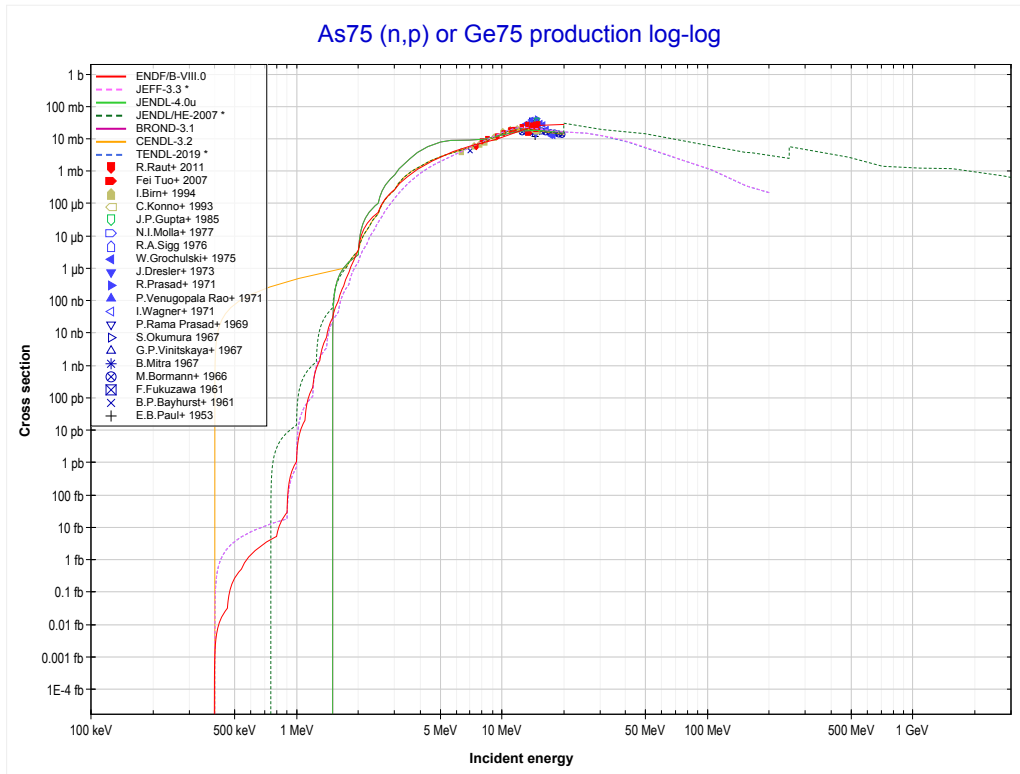
| Reaction | Q-Value |
|------------------|---------------|
| As75(n,He3)Ga73 | -10194.80 keV |
| As75(n,p+d)Ga73 | -15688.28 keV |
| As75(n,n+2p)Ga73 | -17912.84 keV |

| | | |
|------------------|---|----------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-74 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (As76 production) | MT103 (n,p) >> |



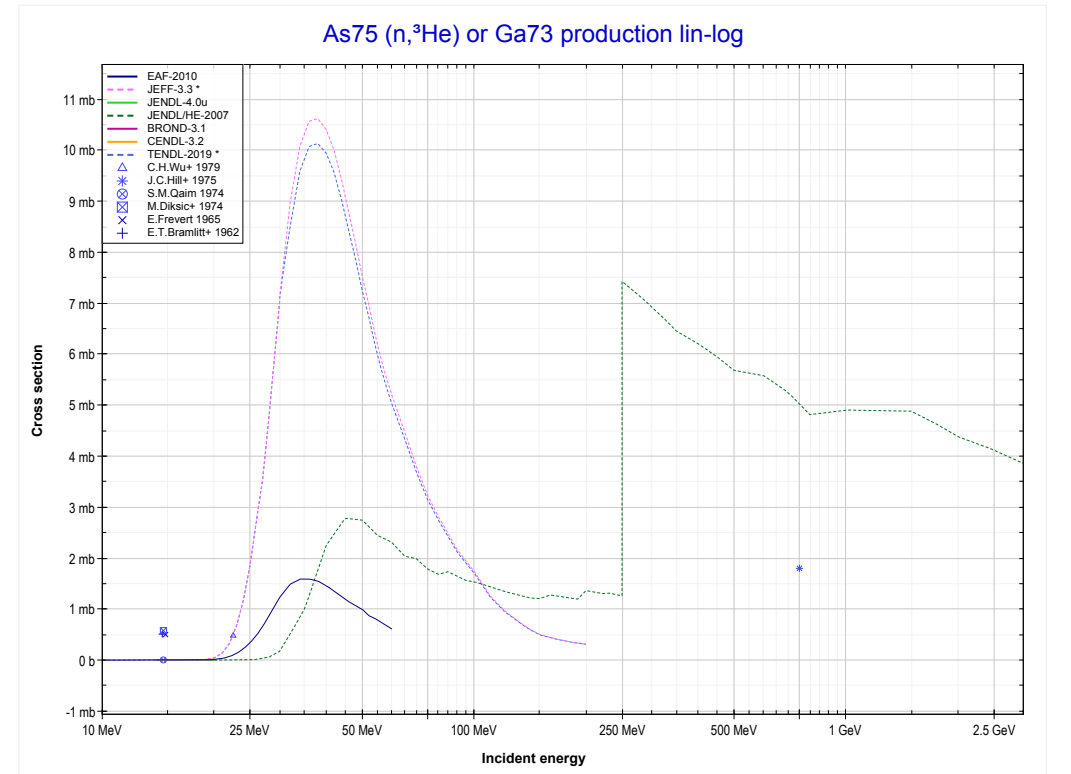
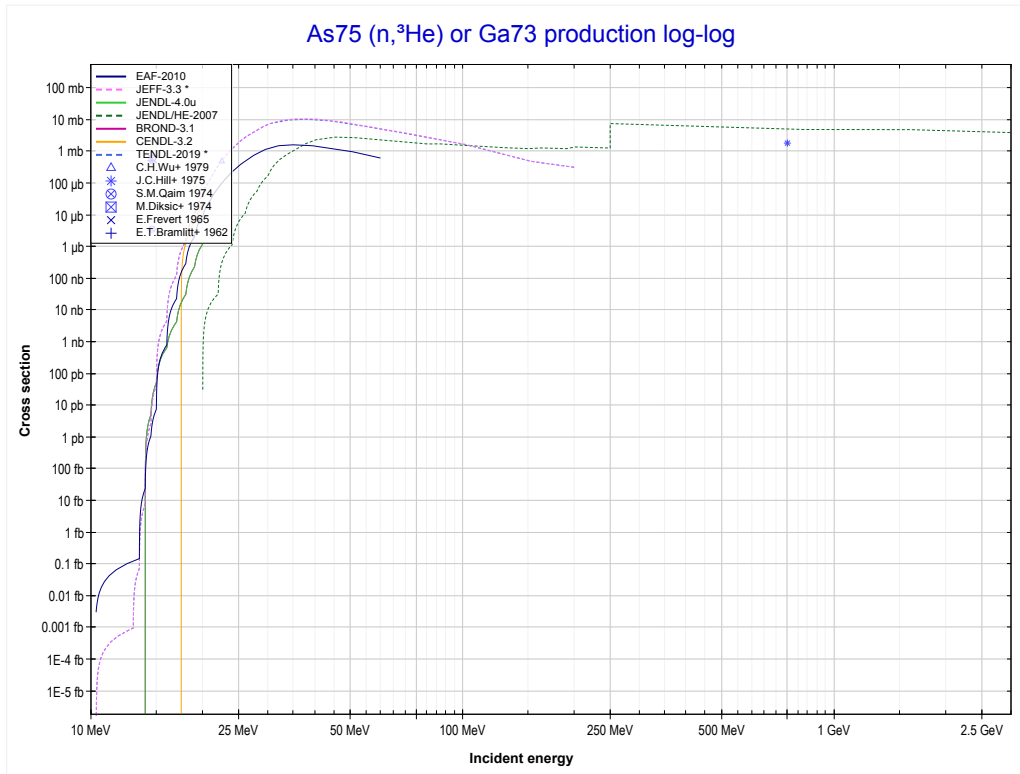
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.50437 b | 4.501 b | 4.5011 b | 1.00002 | 63.6352 b | 0.0322735 b | 0.00103512 b |
| ENDF/B-VIII.0 | 4.50145 b | 4.50145 b | 4.504 b | 1.00056 | 63.6577 b | 0.0301822 b | 5.10023E-4 b |
| JEFF-3.3 * | 4.10445 b | 4.10445 b | 4.1068 b | 1.00058 | 62.6513 b | 0.030693 b | 9.22085E-4 b |
| JENDL-4.0u | 4.15238 b | 4.15238 b | 4.1548 b | 1.00058 | 63.4808 b | 0.0321437 b | 9.824E-4 b |
| JENDL/HE-2007 | 4.50017 b | 4.50017 b | 4.5012 b | 1.00024 | 63.6345 b | 0.0322699 b | 0.00103512 b |
| BROND-3.1 | 4.15238 b | 4.15238 b | 4.1548 b | 1.00058 | 63.4808 b | 0.0321437 b | 9.824E-4 b |
| CENDL-3.2 | 4.23007 b | 4.23007 b | 4.2311 b | 1.00025 | 63.5223 b | 0.0350941 b | 0.001657 b |
| TENDL-2019 * | 4.08728 b | 4.08728 b | 4.0883 b | 1.00026 | 62.3824 b | 0.0303811 b | 9.20803E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-74 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ge75 production) | MT106 (n, ^3He) >> |



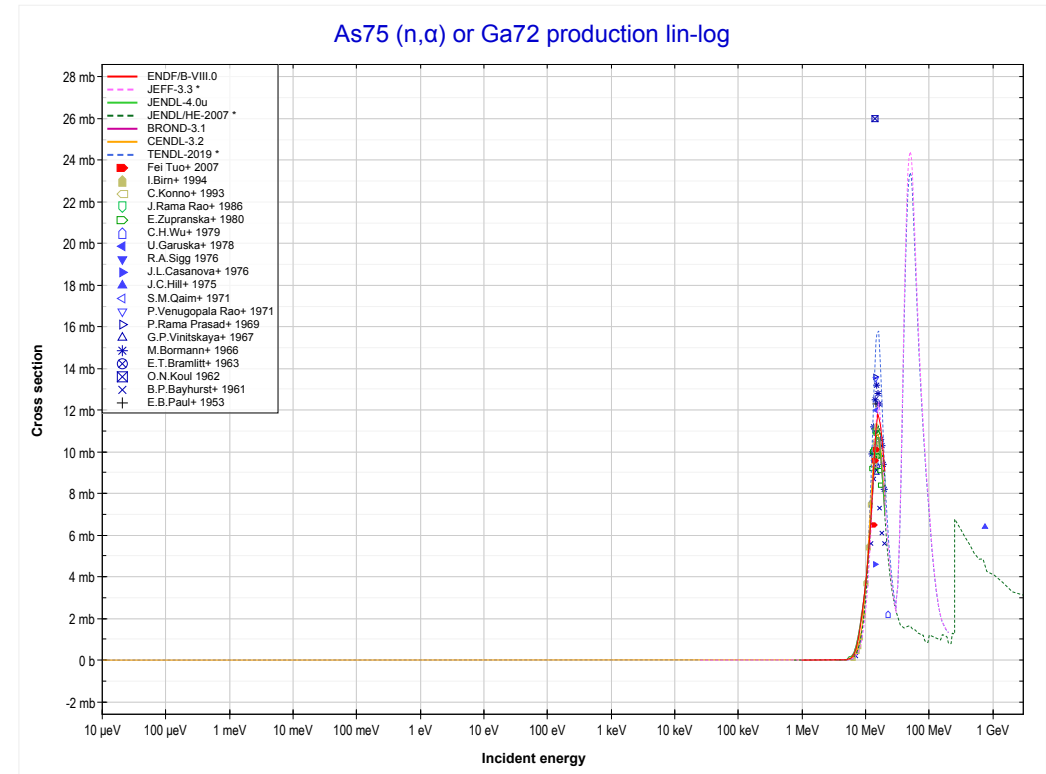
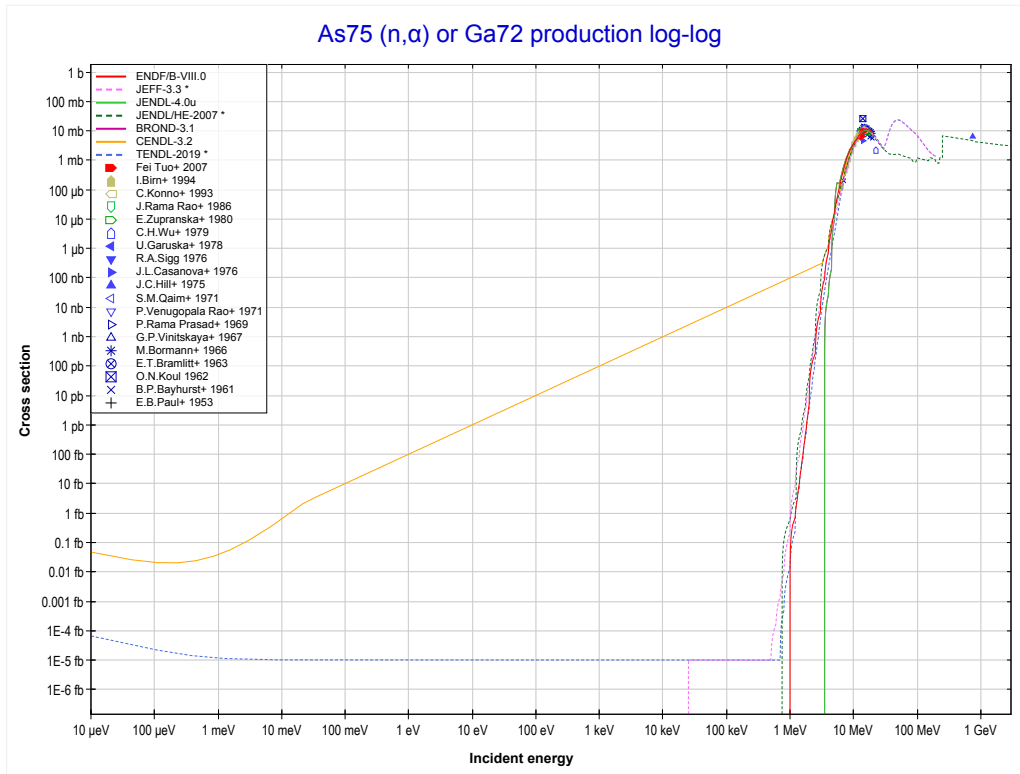
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.00044E-4 b | 0.0228837 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.1638E-4 b | 0.0215897 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114724 b | 0.0182 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17571E-4 b | 0.019 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00114724 b | 0.0182 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17523E-4 b | 0.019 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.16333E-4 b | 0.0215527 b |

| | | |
|----------------|--|----------------|
| << 32-Ge-74 | 33-As-75 | 35-Br-81 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Ga73 production) | MT107 (n,α) >> |



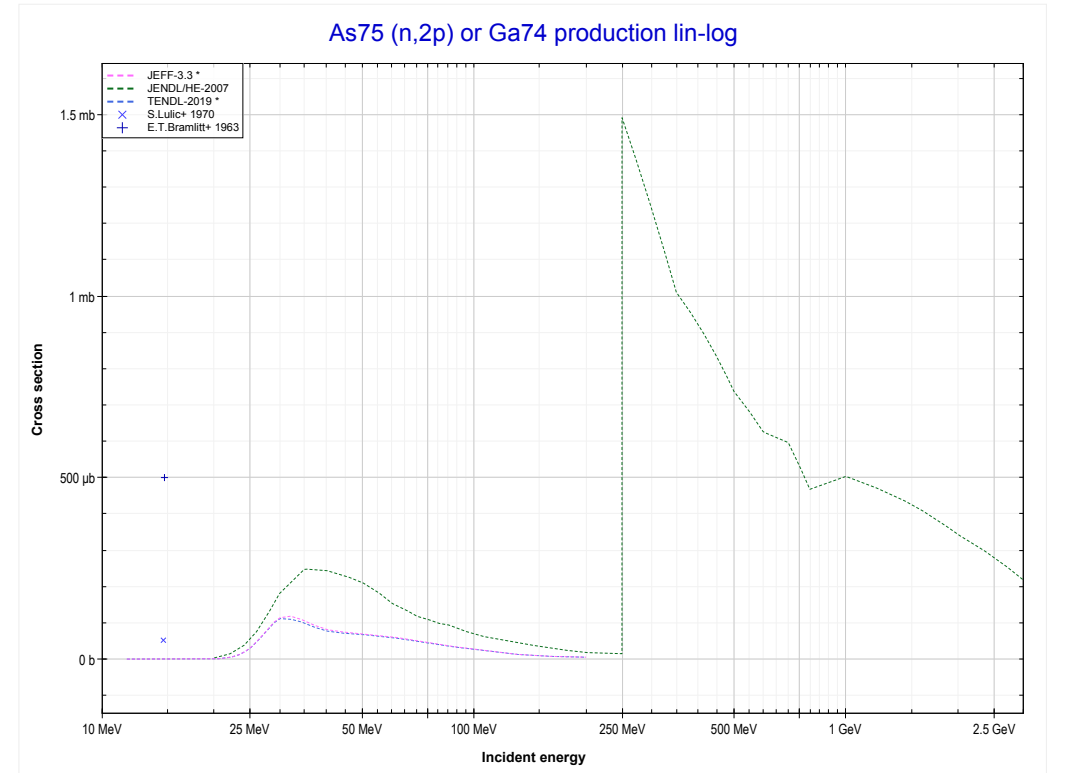
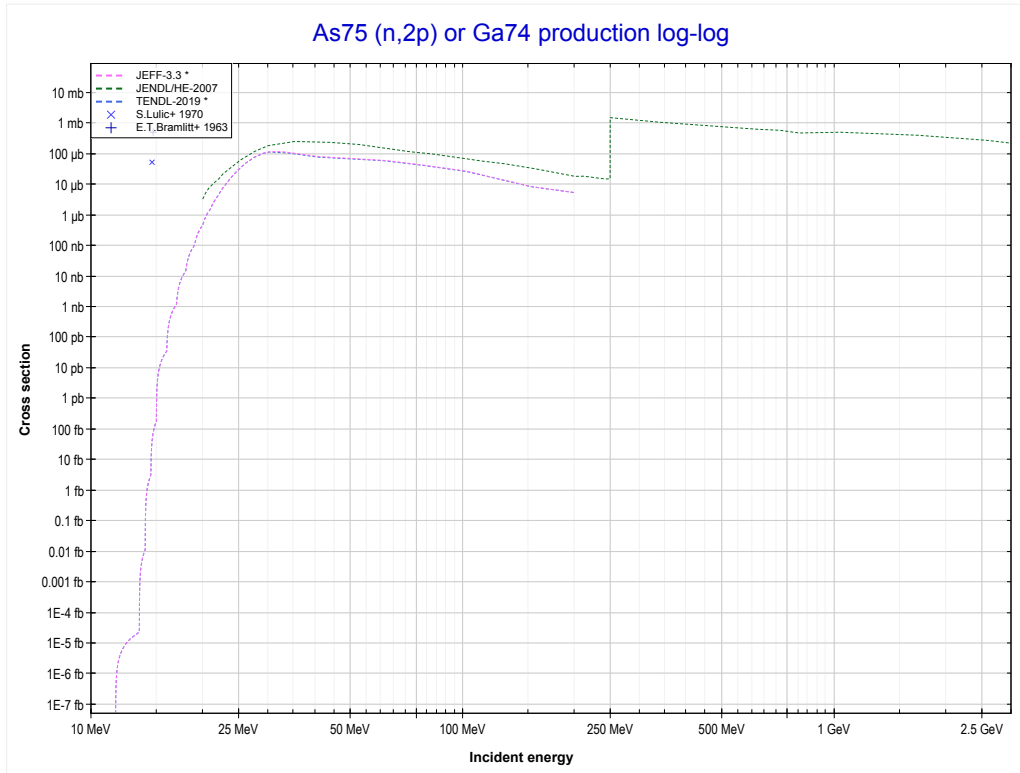
| Reaction | Q-Value |
|------------------|---------------|
| As75(n,He3)Ga73 | -10194.80 keV |
| As75(n,p+d)Ga73 | -15688.28 keV |
| As75(n,n+2p)Ga73 | -17912.84 keV |

| | | |
|-------------------------------|---|-----------------|
| << 32-Ge-76 | 33-As-75 | 34-Se-77 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ga72 production) | MT111 (n,2p) >> |



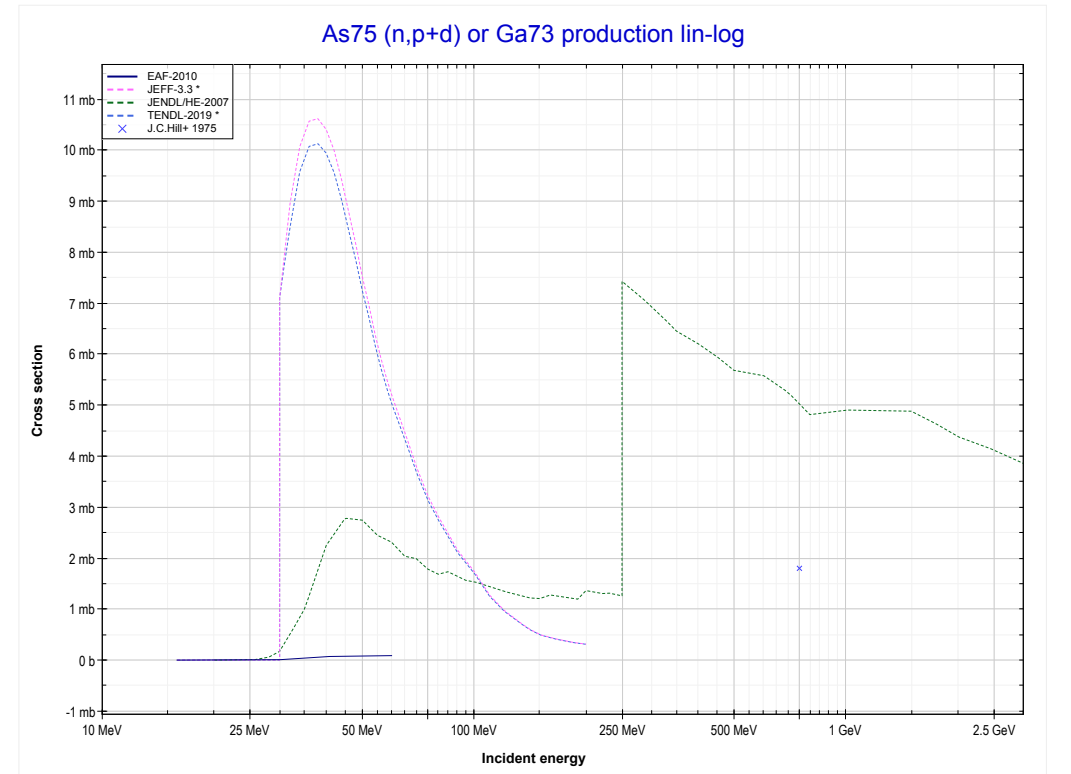
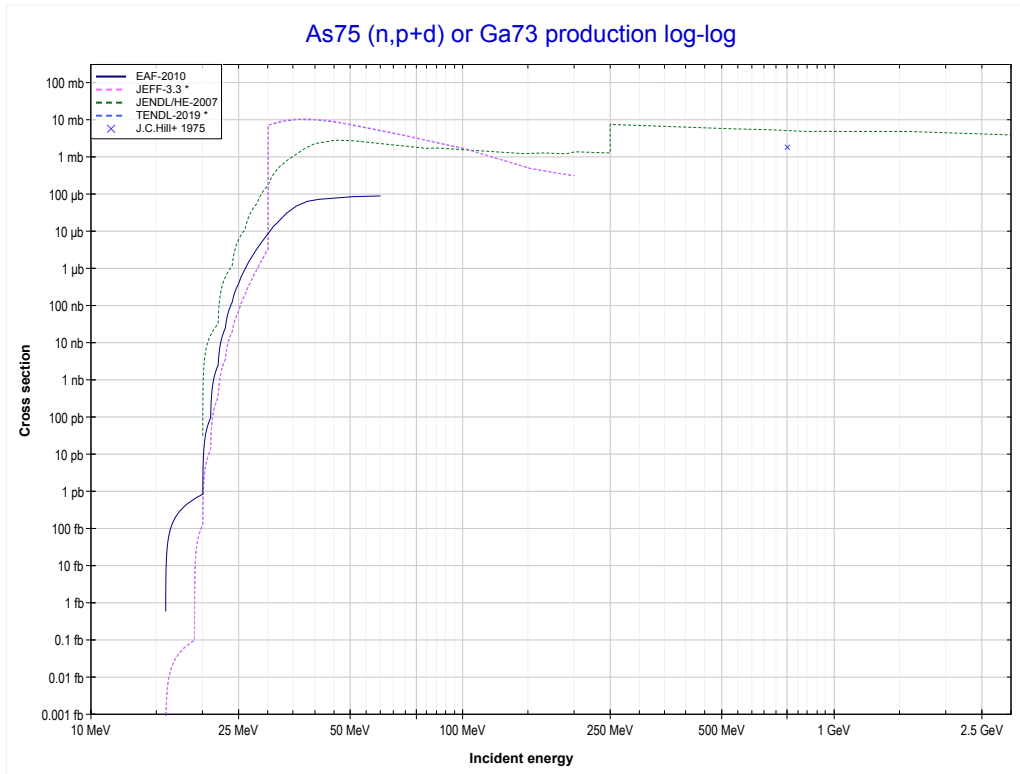
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71148E-5 b | 0.0102661 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.37832E-20 b | 2.14892E-5 b | 0.0103722 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.14628E-5 b | 0.009819 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.69156E-5 b | 0.0101265 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.14628E-5 b | 0.009819 b |
| CENDL-3.2 | 2.538E-15 b | 2.538E-15 b | 5.6413E-15 b | 2.22275 | 9.83715E-9 b | 3.05444E-5 b | 0.0103 b |
| TENDL-2019 | 1.0067E-20 b | 1.0067E-20 b | 1.136E-20 b | 1.12846 | 1.22086E-19 b | 2.68702E-5 b | 0.0141618 b |

| | | |
|-------------------------|--|------------------|
| << 25-Mn-55 | 33-As-75 | 37-Rb-87 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Ga74 production) | MT115 (n,p+d) >> |



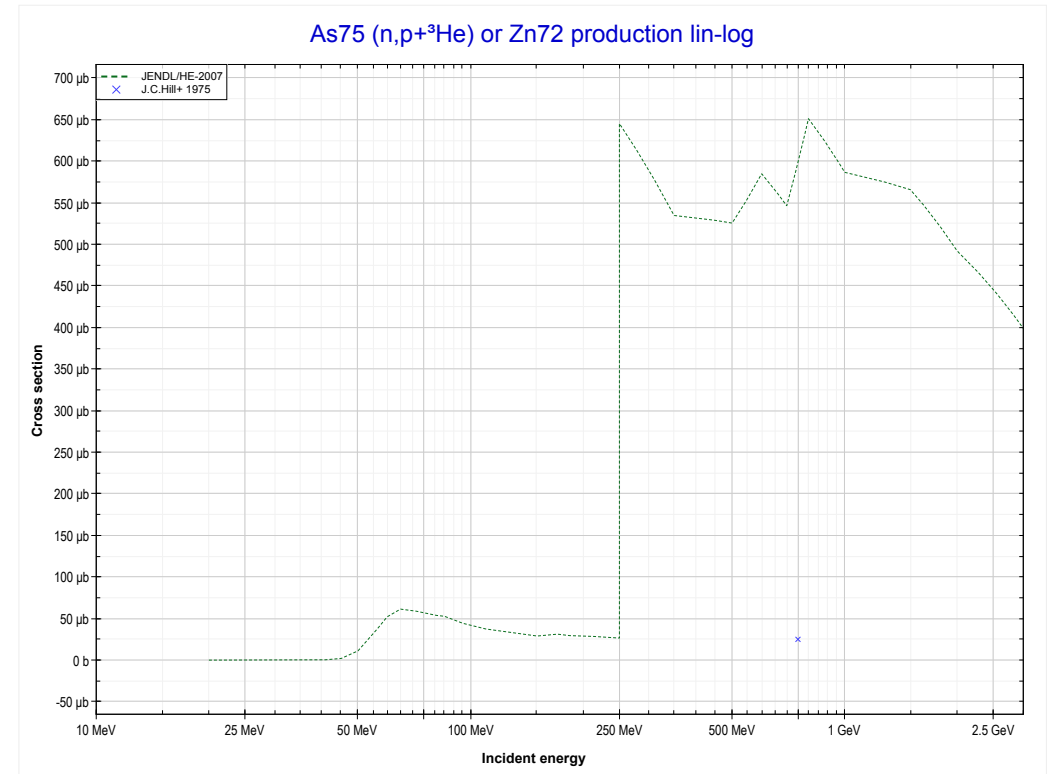
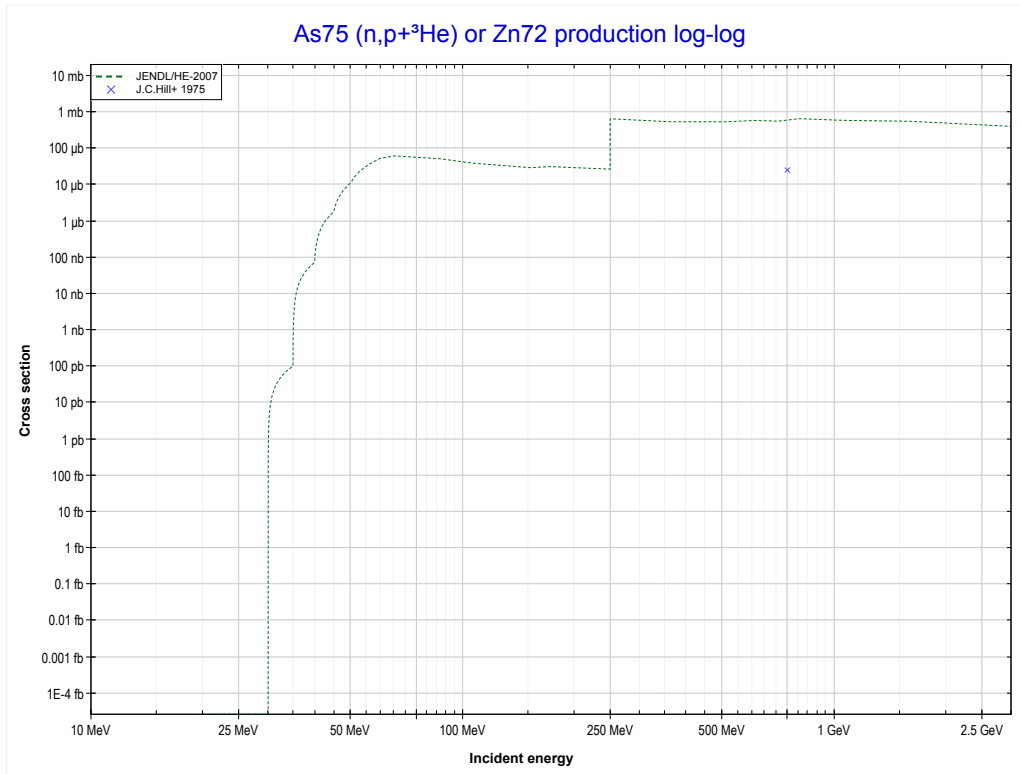
| Reaction | Q-Value |
|----------------|---------------|
| As75(n,2p)Ga74 | -11491.22 keV |

| | | |
|-----------------|---|---------------------------------|
| << 23-V-51 | 33-As-75 | 41-Nb-93 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (Ga73 production) | MT191 (n,p+ ³ He) >> |



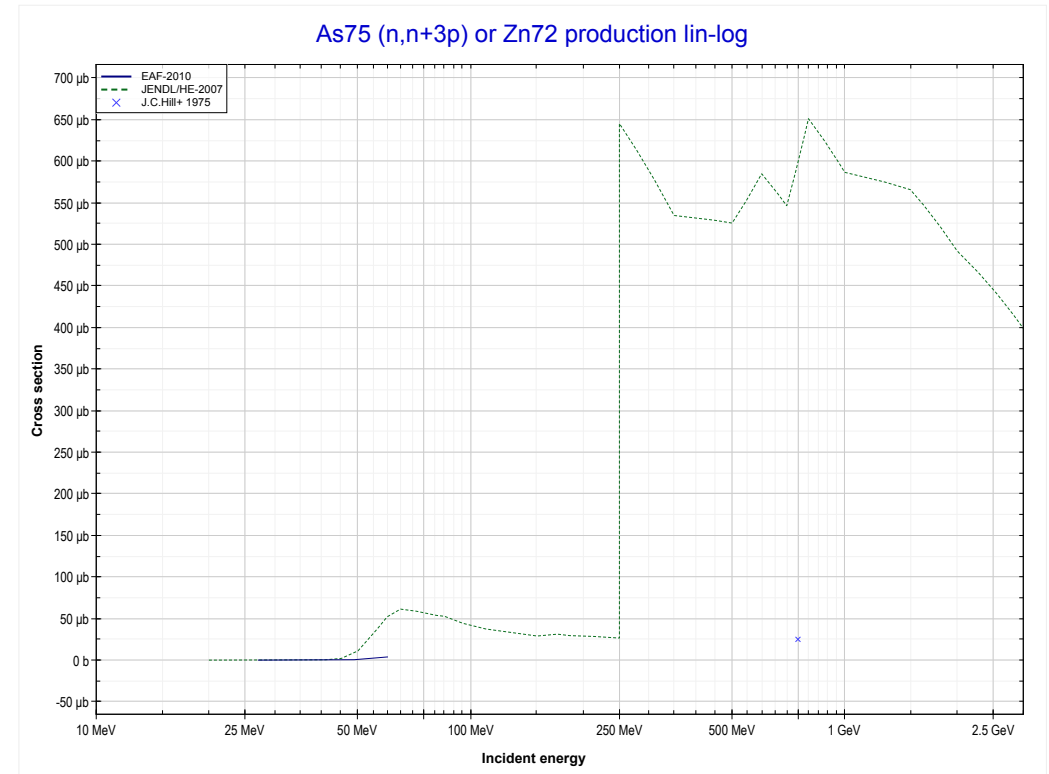
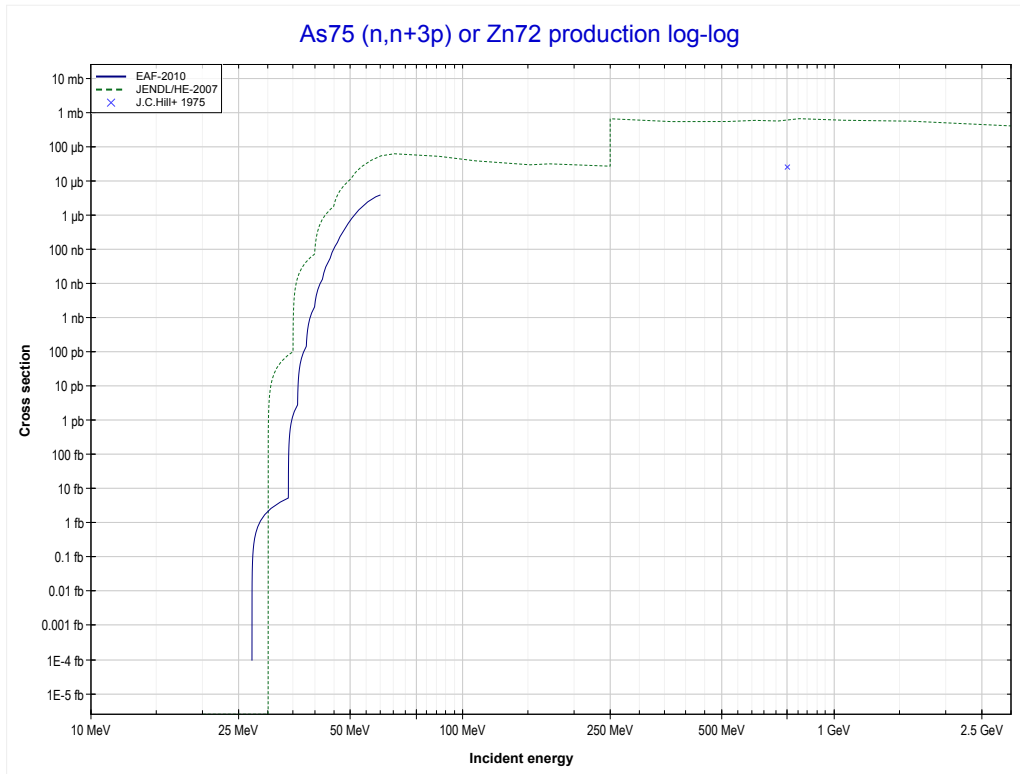
| Reaction | Q-Value |
|------------------|---------------|
| As75(n,He3)Ga73 | -10194.80 keV |
| As75(n,p+d)Ga73 | -15688.28 keV |
| As75(n,n+2p)Ga73 | -17912.84 keV |

| | | |
|------------------|--|-------------------|
| << 19-K-41 | 33-As-75 | |
| << MT115 (n,p+d) | MT191 (n,p+³He) or MT5 (Zn72 production) | MT198 (n,n+3p) >> |



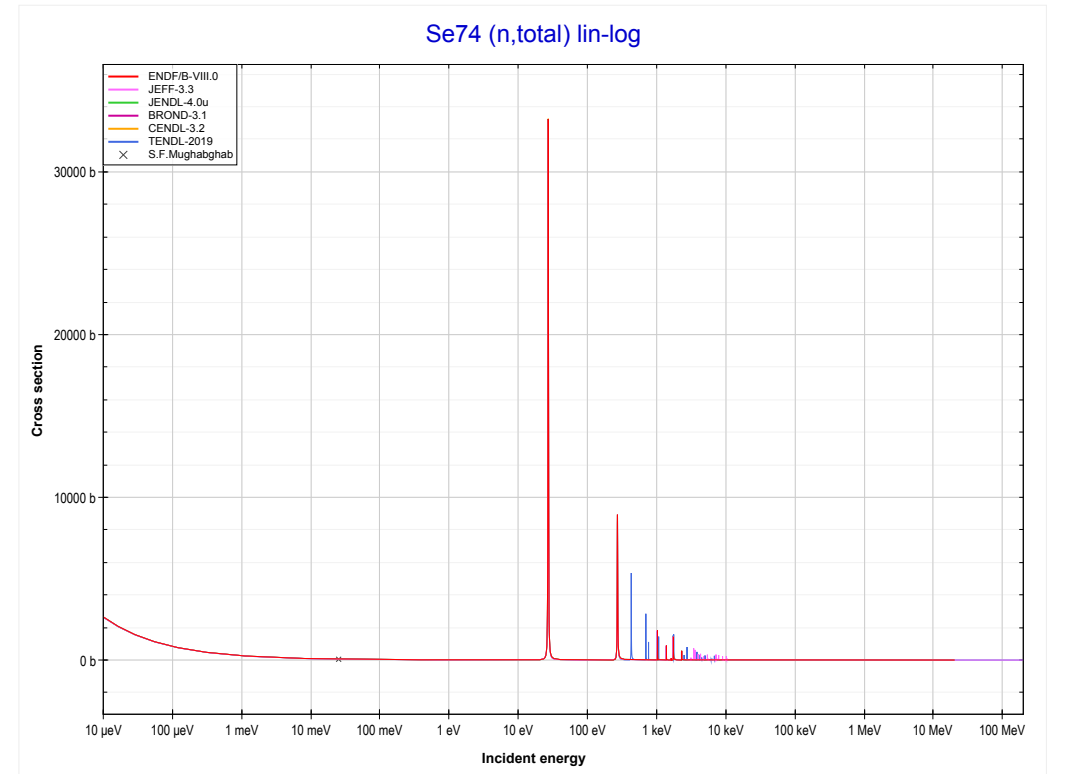
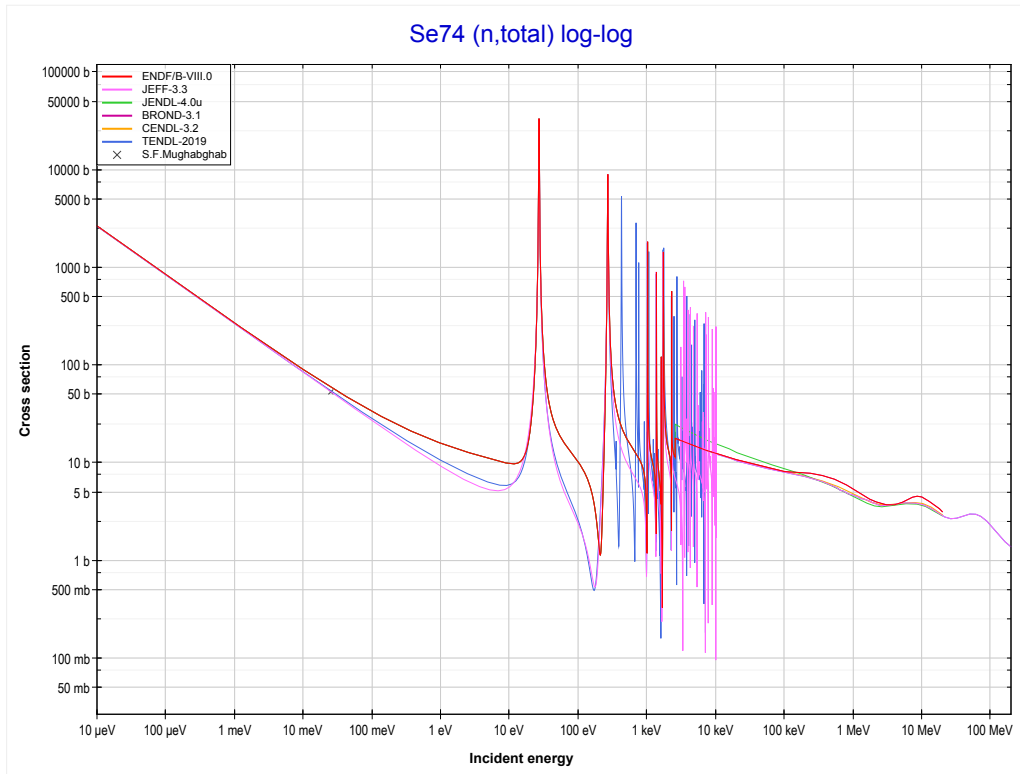
| Reaction | Q-Value |
|-------------------|---------------|
| As75(n,p+He3)Zn72 | -19037.57 keV |
| As75(n,2p+d)Zn72 | -24531.05 keV |
| As75(n,n+3p)Zn72 | -26755.61 keV |

| | | |
|---------------------------------|--|---------------------------|
| << 19-K-41 | 33-As-75 | |
| << MT191 (n,p+ ³ He) | MT198 (n,n+3p) or MT5 (Zn72 production) | 34-Se-74 MT1 (n,total) >> |



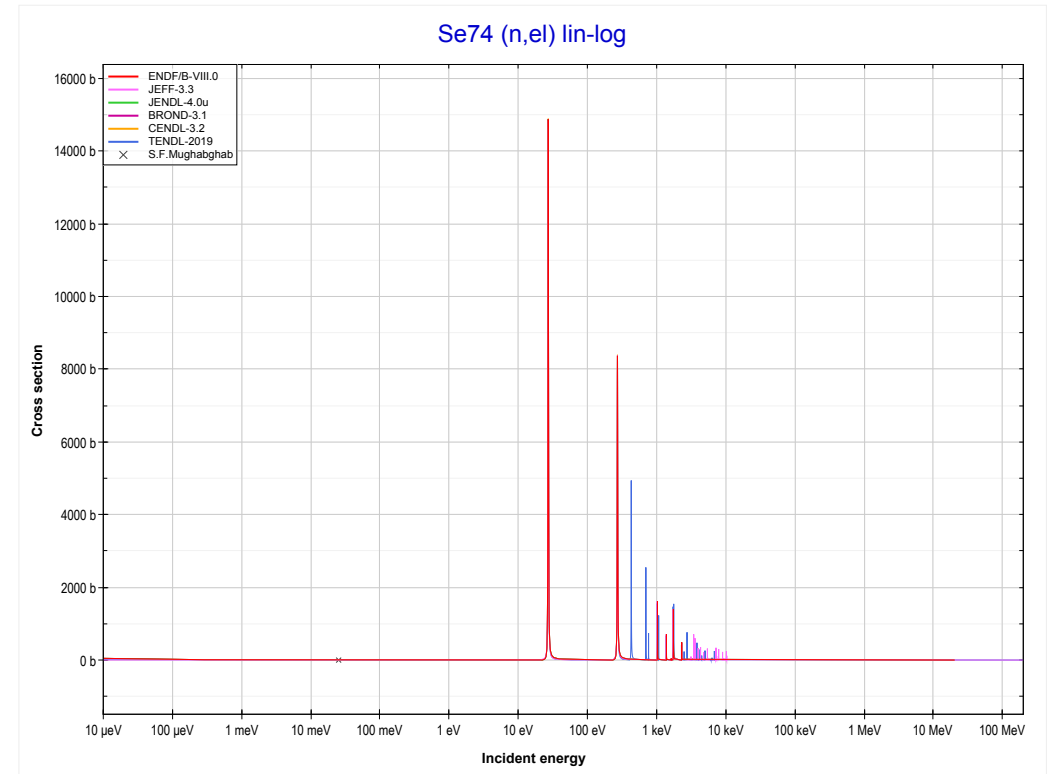
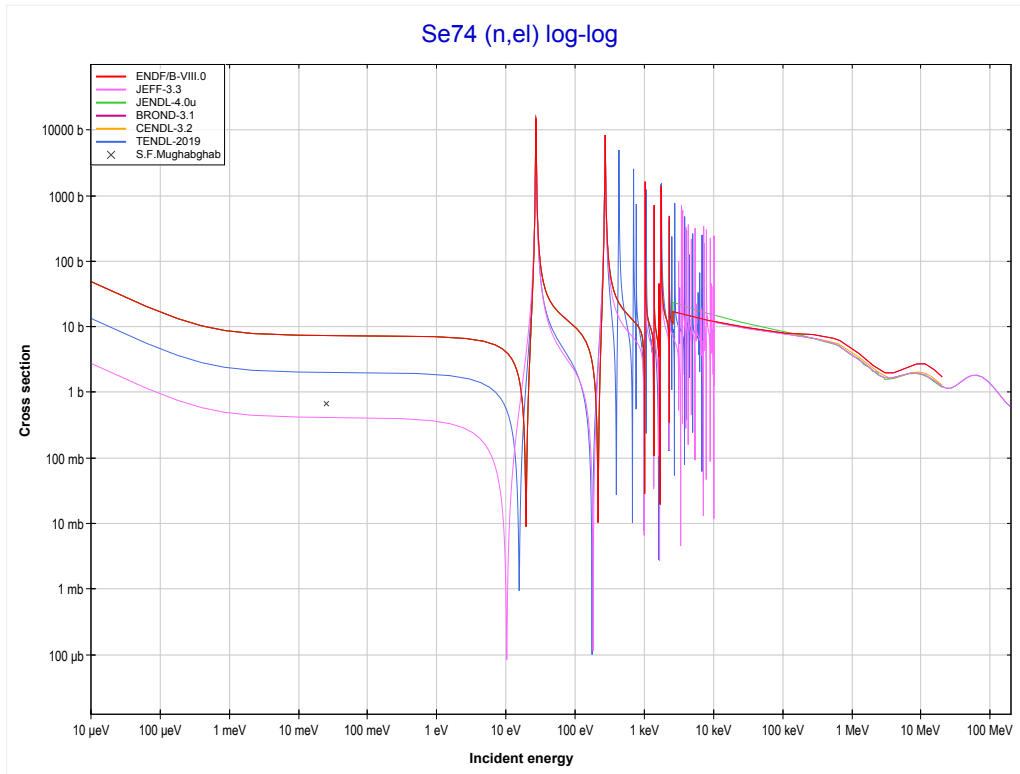
| Reaction | Q-Value |
|-------------------|---------------|
| As75(n,p+He3)Zn72 | -19037.57 keV |
| As75(n,2p+d)Zn72 | -24531.05 keV |
| As75(n,n+3p)Zn72 | -26755.61 keV |

| | | |
|----------------------------|----------------------|--------------------|
| << 33-As-75 | 34-Se-74 | 34-Se-76 >> |
| << 33-As-75 MT198 (n,n+3p) | MT1 (n,total) | MT2 (n,elastic) >> |



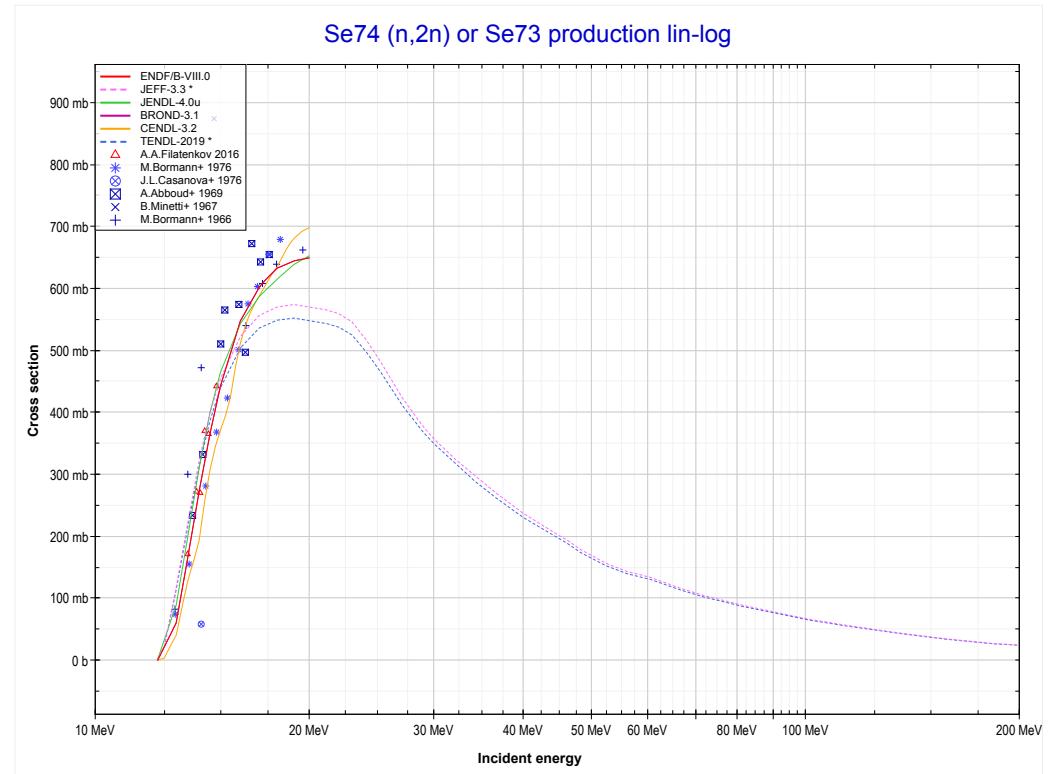
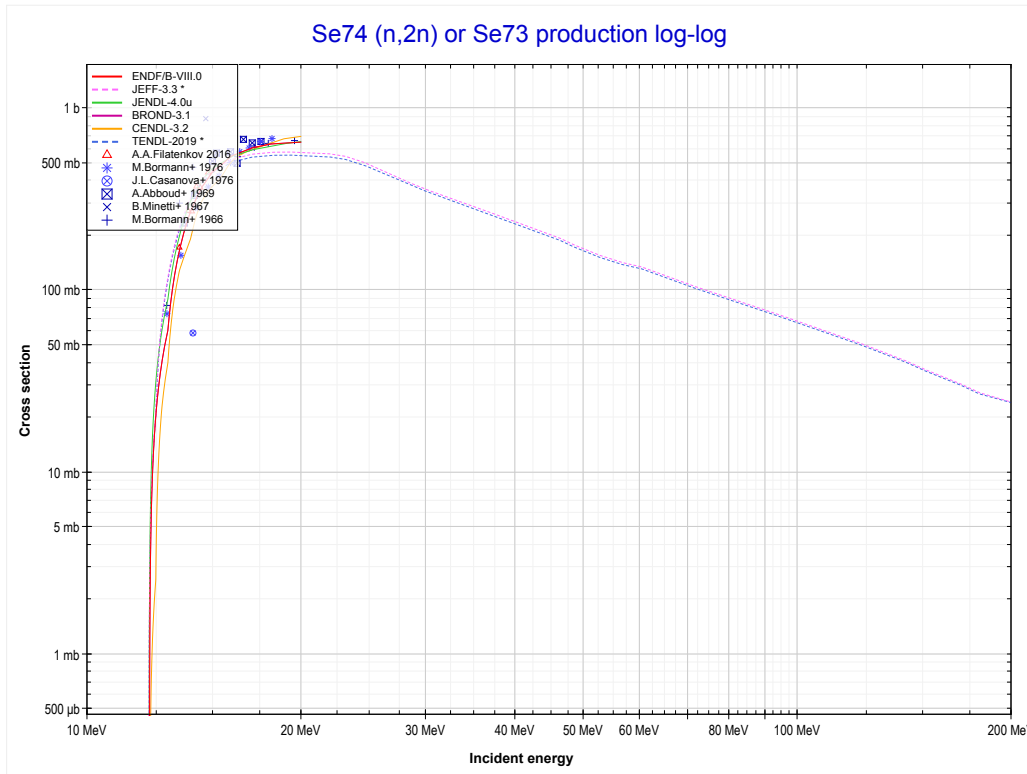
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 59.1401 b | 59.1401 b | 60.129 b | 1.01673 | 1387.71 b | 4.98133 b | 3.84043 b |
| JEFF-3.3 | 52.8669 b | 52.8669 b | 52.97 b | 1.00196 | 1337.83 b | 4.54442 b | 3.35566 b |
| JENDL-4.0u | 59.1401 b | 59.1401 b | 60.129 b | 1.01673 | 1397.83 b | 4.45524 b | 3.304 b |
| BROND-3.1 | 59.1401 b | 59.1401 b | 60.129 b | 1.01673 | 1387.71 b | 4.98133 b | 3.84043 b |
| CENDL-3.2 | 59.1253 b | 59.1253 b | 60.099 b | 1.01647 | 1387.01 b | 4.62361 b | 3.47431 b |
| TENDL-2019 | 53.9679 b | 53.9679 b | 54.258 b | 1.00538 | 1364.55 b | 4.54506 b | 3.35605 b |

| | | |
|------------------|------------------------|----------------|
| << 33-As-75 | 34-Se-74 | 34-Se-76 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



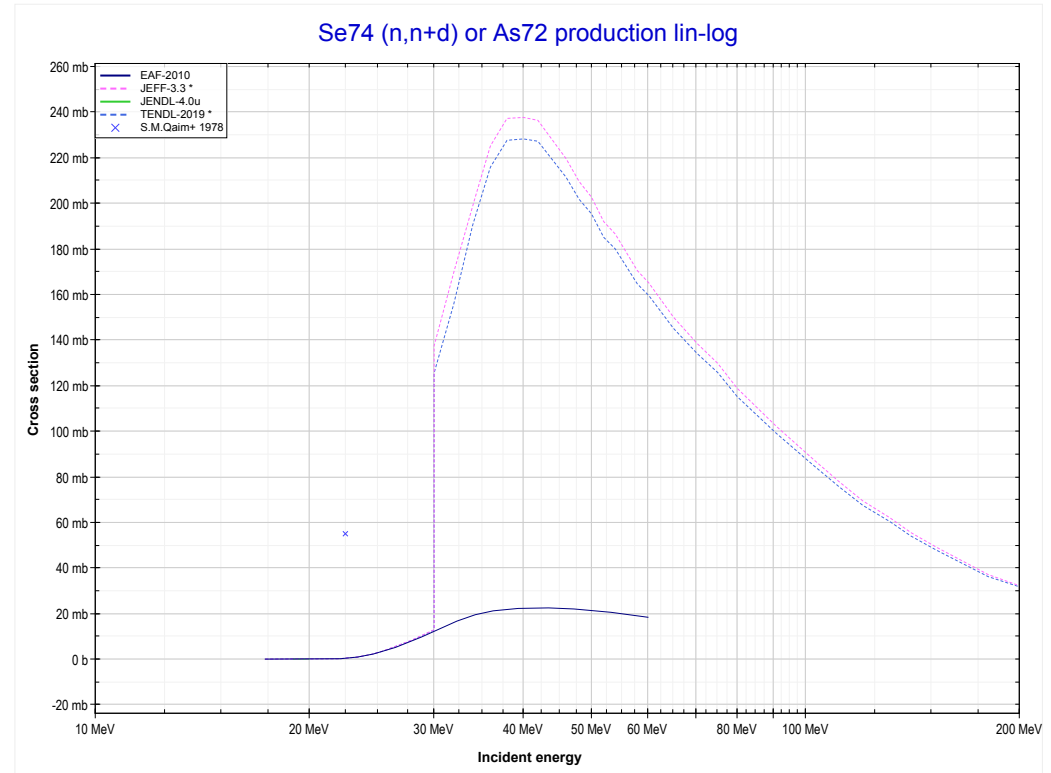
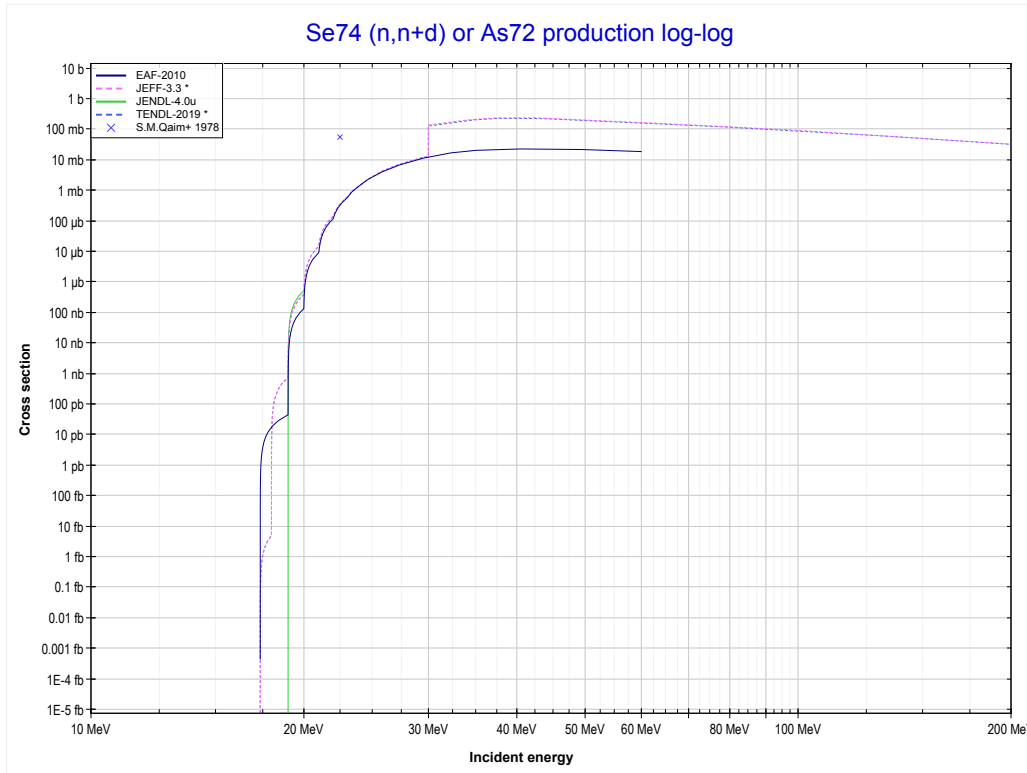
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.32366 b | 7.32366 b | 8.2568 b | 1.12742 | 807.799 b | 3.9356 b | 2.39073 b |
| JEFF-3.3 | 0.413428 b | 0.413428 b | 0.46501 b | 1.12478 | 758.893 b | 3.28593 b | 1.62471 b |
| JENDL-4.0u | 7.32366 b | 7.32366 b | 8.2568 b | 1.12742 | 817.518 b | 3.30553 b | 1.57307 b |
| BROND-3.1 | 7.32366 b | 7.32366 b | 8.2568 b | 1.12742 | 807.799 b | 3.9356 b | 2.39073 b |
| CENDL-3.2 | 7.32366 b | 7.32366 b | 8.2573 b | 1.12748 | 807.464 b | 3.45541 b | 1.75527 b |
| TENDL-2019 | 2.00987 b | 2.00987 b | 2.2642 b | 1.12654 | 798.341 b | 3.28743 b | 1.62471 b |

| | | |
|--------------------|---|-----------------|
| << 33-As-75 | 34-Se-74 | 34-Se-76 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Se73 production) | MT32 (n,n+d) >> |



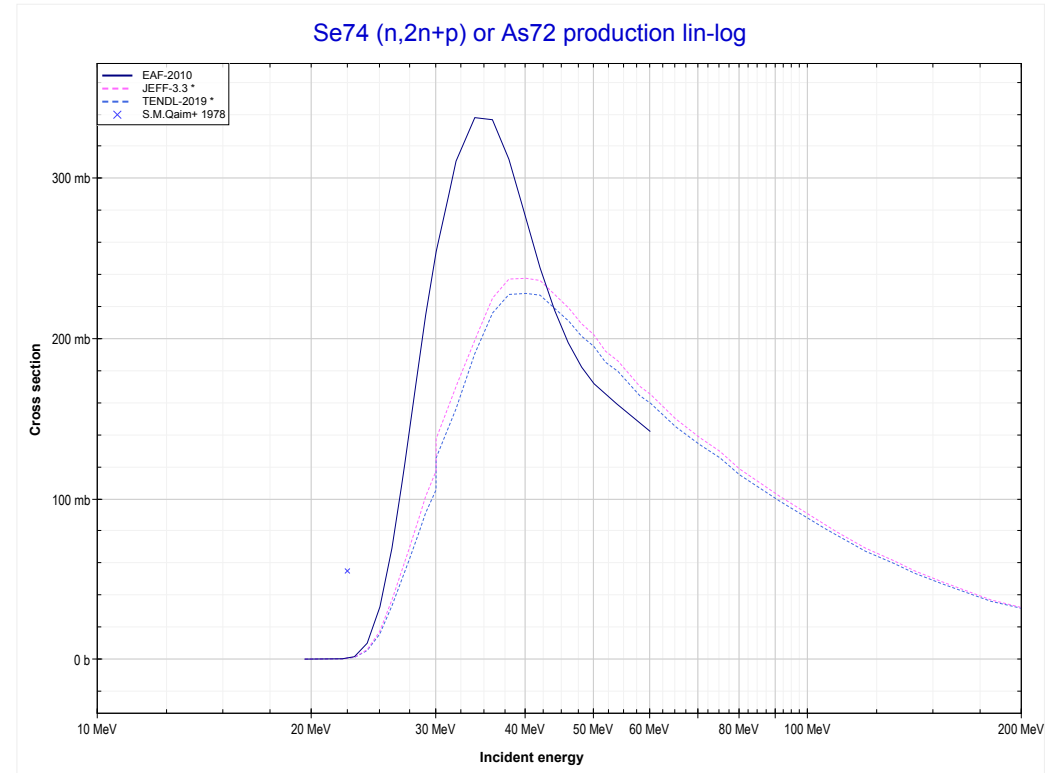
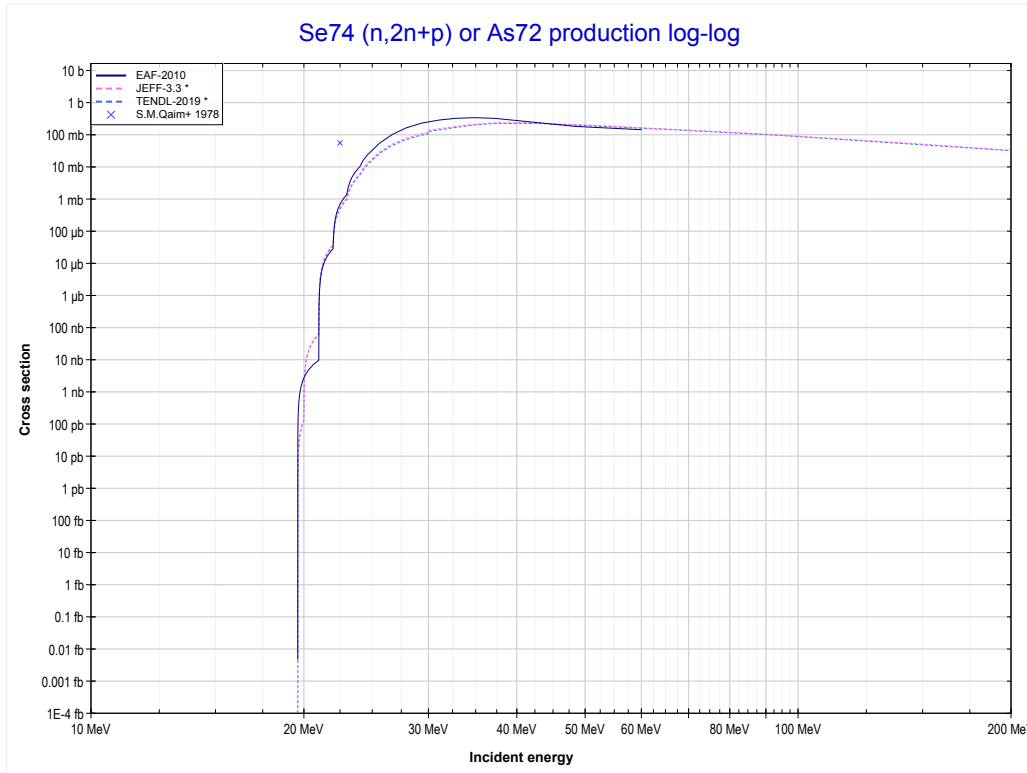
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.54381E-5 b | 0.271835 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.58227E-5 b | 0.321473 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.38633E-5 b | 0.31 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.54381E-5 b | 0.271835 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.20211E-5 b | 0.192095 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.29876E-5 b | 0.31139 b |

| | | |
|----------------|--|------------------|
| << 32-Ge-70 | 34-Se-74 | 40-Zr-90 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (As72 production) | MT41 (n,2n+p) >> |



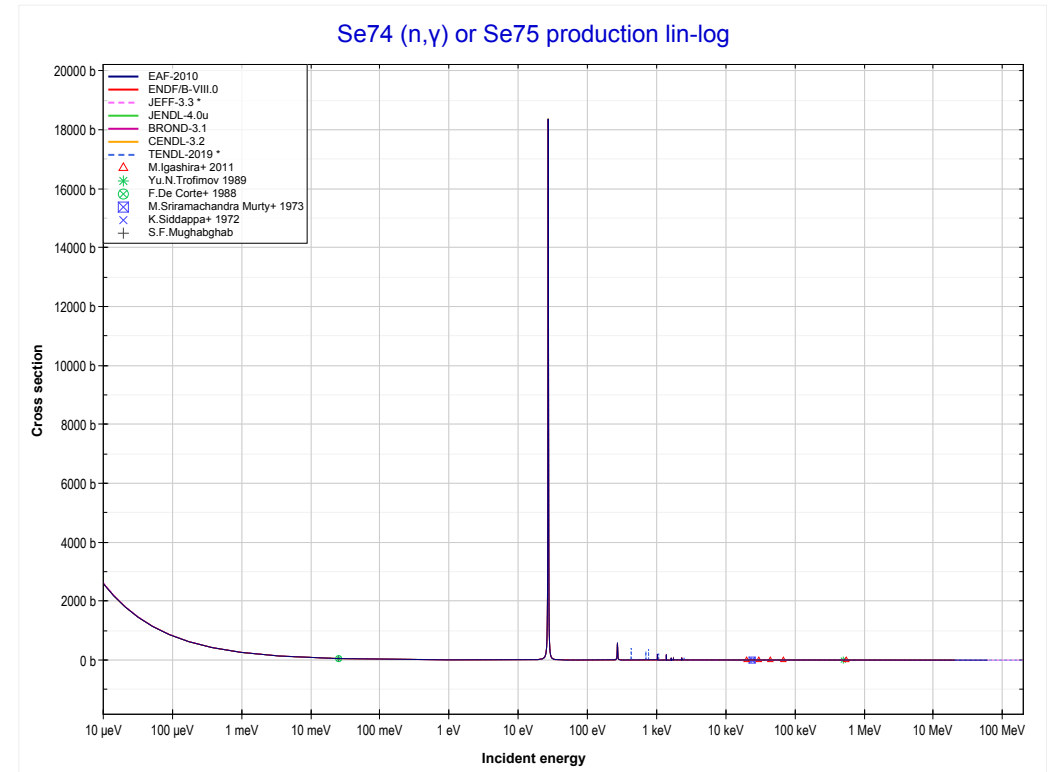
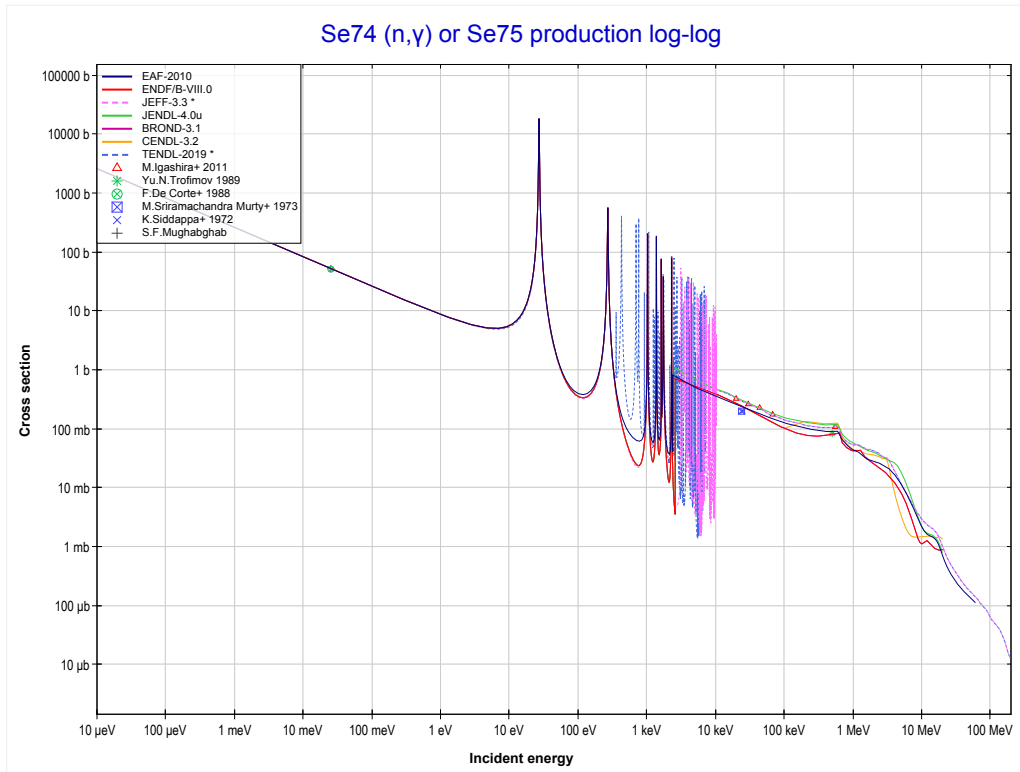
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.02356E-13 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.90311E-13 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.96487E-13 b | 0 b |

| | | |
|-----------------|---|-------------------------|
| << 32-Ge-70 | 34-Se-74 | 40-Zr-90 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (As72 production) | MT102 (n, γ) >> |



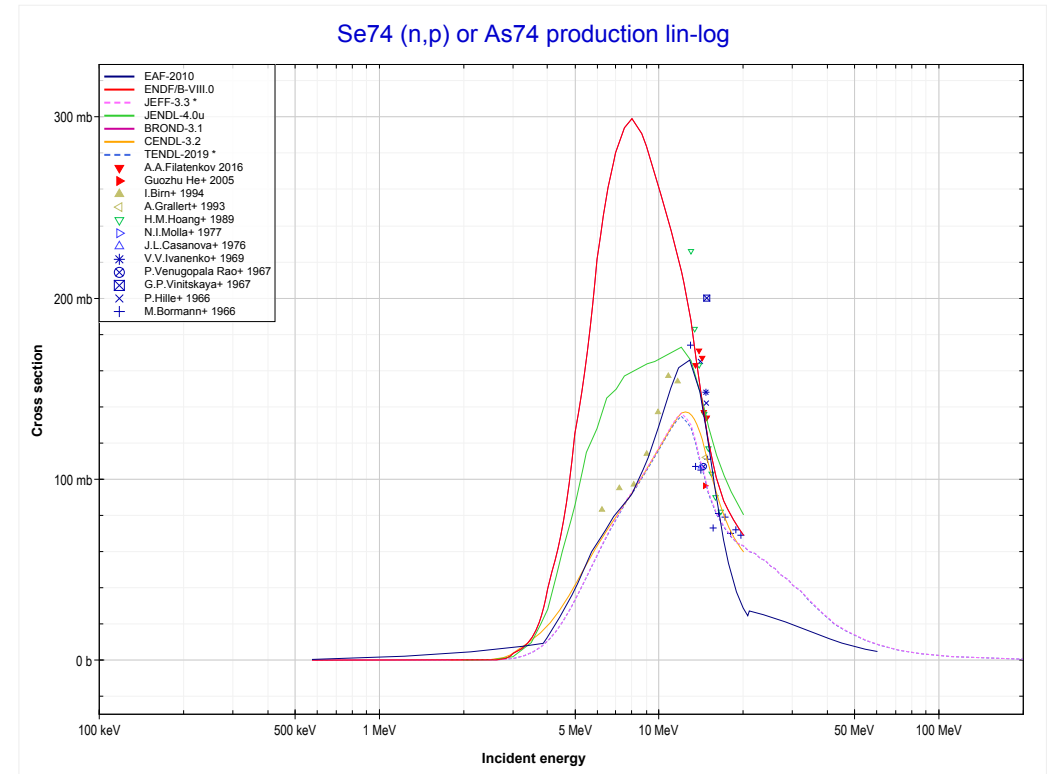
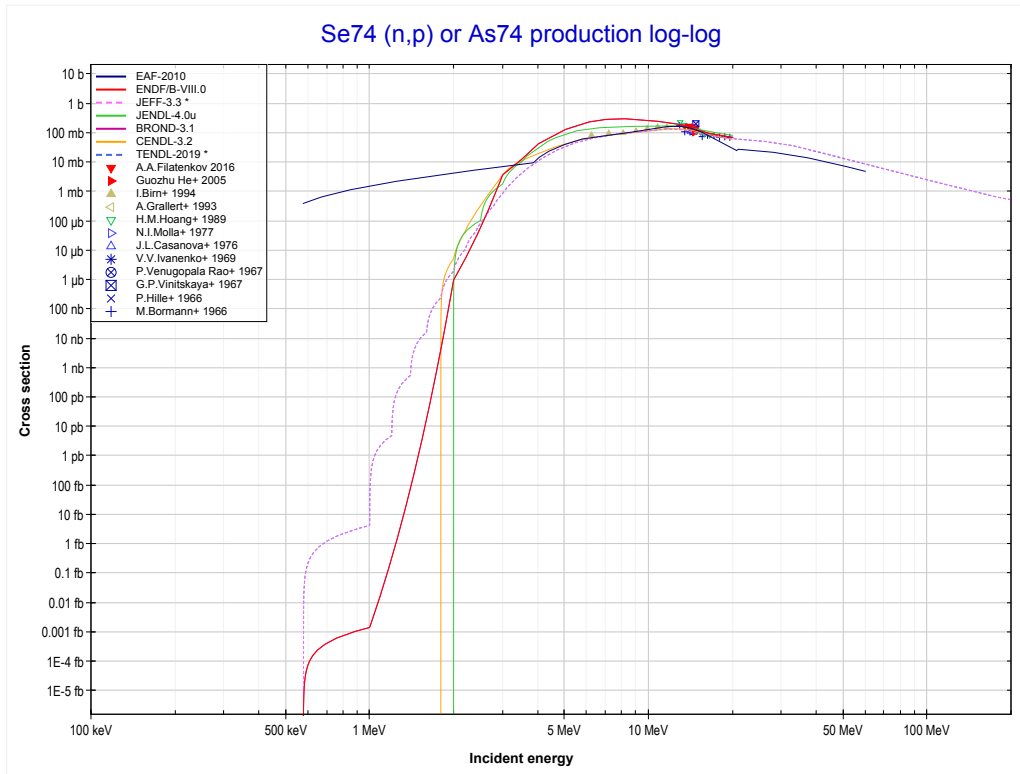
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.23911E-17 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.22752E-17 b | 0 b |

| | | |
|------------------|---|----------------|
| << 33-As-75 | 34-Se-74 | 34-Se-76 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Se75 production) | MT103 (n,p) >> |



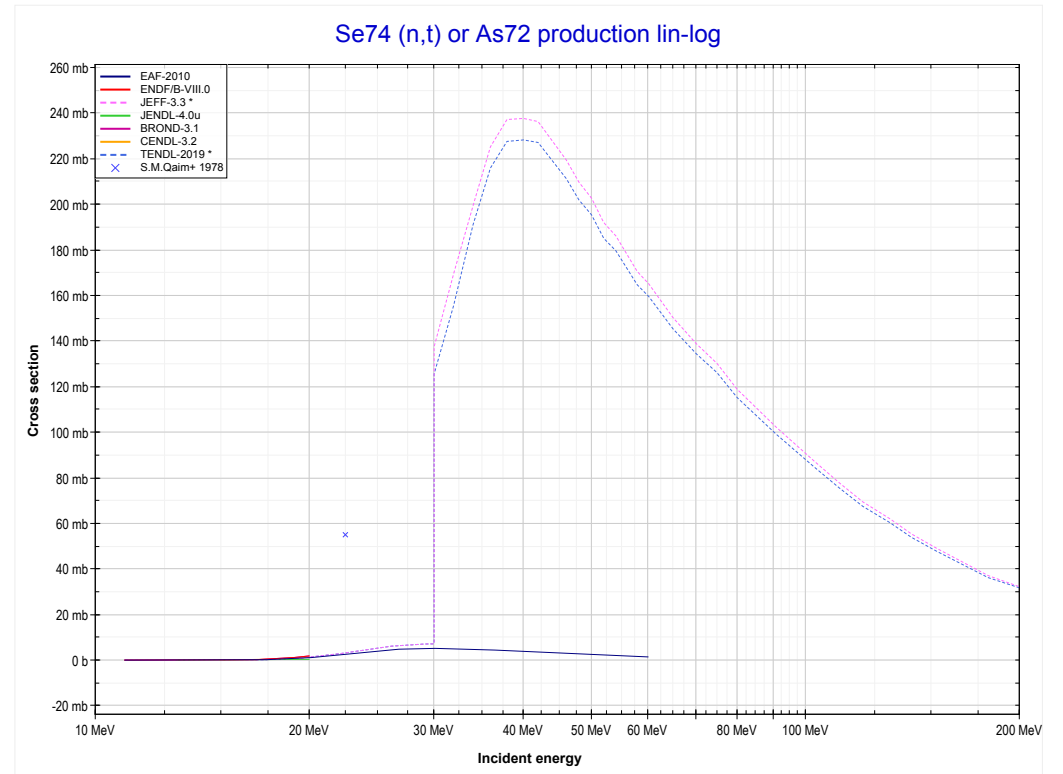
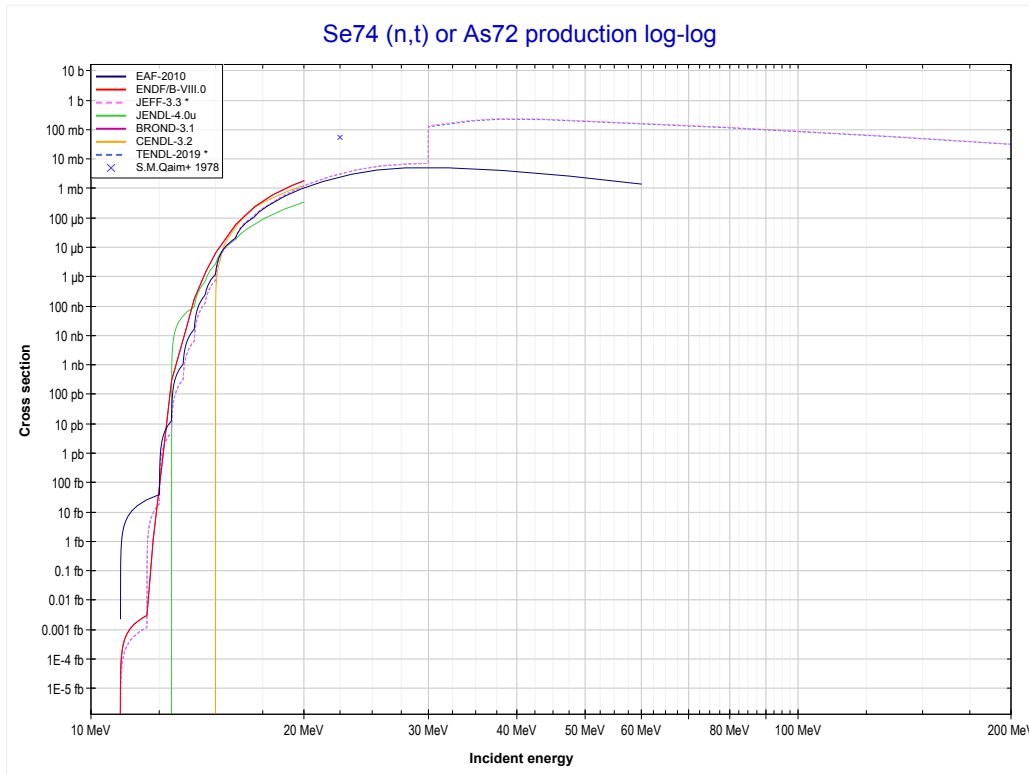
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 51.7259 b | 51.6873 b | 51.713 b | 1.0005 | 579.619 b | 0.0436568 b | 0.00145906 b |
| ENDF/B-VIII.0 | 51.8165 b | 51.8165 b | 51.872 b | 1.00108 | 579.914 b | 0.0391425 b | 0.00104203 b |
| JEFF-3.3 | 52.4535 b | 52.4535 b | 52.505 b | 1.00099 | 578.936 b | 0.0549013 b | 0.00205609 b |
| JENDL-4.0u | 51.8165 b | 51.8165 b | 51.872 b | 1.00108 | 580.314 b | 0.0579248 b | 0.001557 b |
| BROND-3.1 | 51.8165 b | 51.8165 b | 51.872 b | 1.00108 | 579.914 b | 0.0391425 b | 0.00104203 b |
| CENDL-3.2 | 51.8016 b | 51.8016 b | 51.841 b | 1.00076 | 579.55 b | 0.050877 b | 0.00145731 b |
| TENDL-2019 | 51.958 b | 51.958 b | 51.994 b | 1.00069 | 566.198 b | 0.0544763 b | 0.00204291 b |

| | | |
|-------------------------|---|----------------|
| << 33-As-75 | 34-Se-74 | 34-Se-76 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (As74 production) | MT105 (n,t) >> |



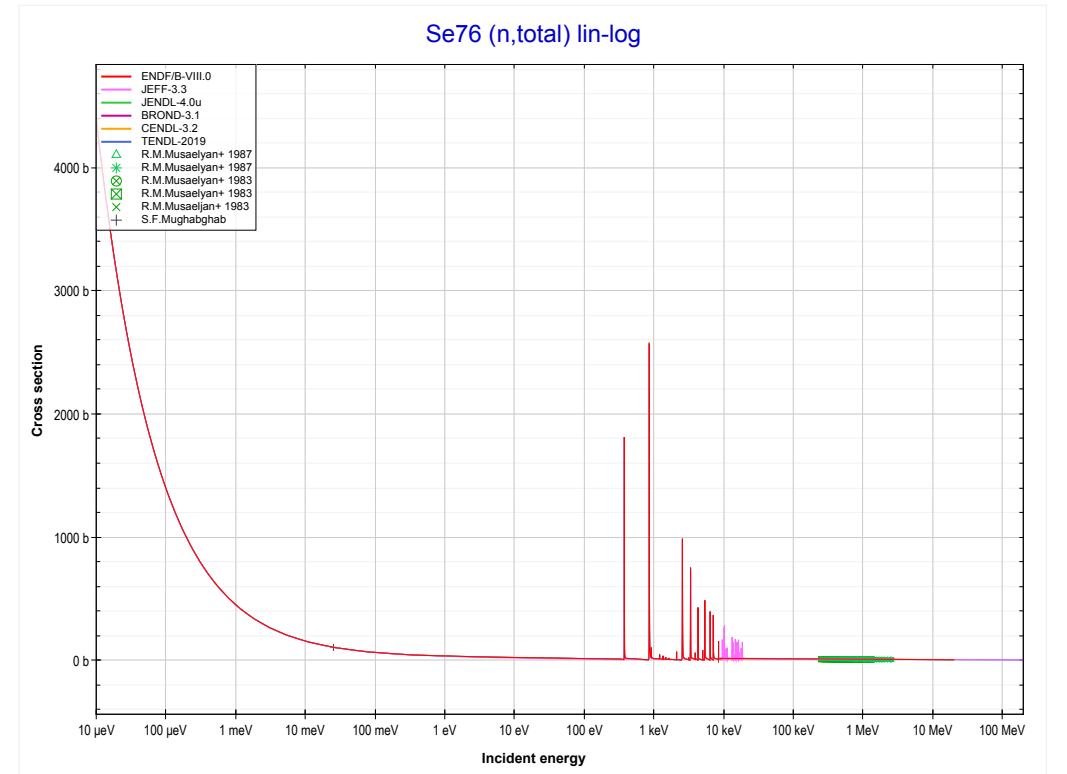
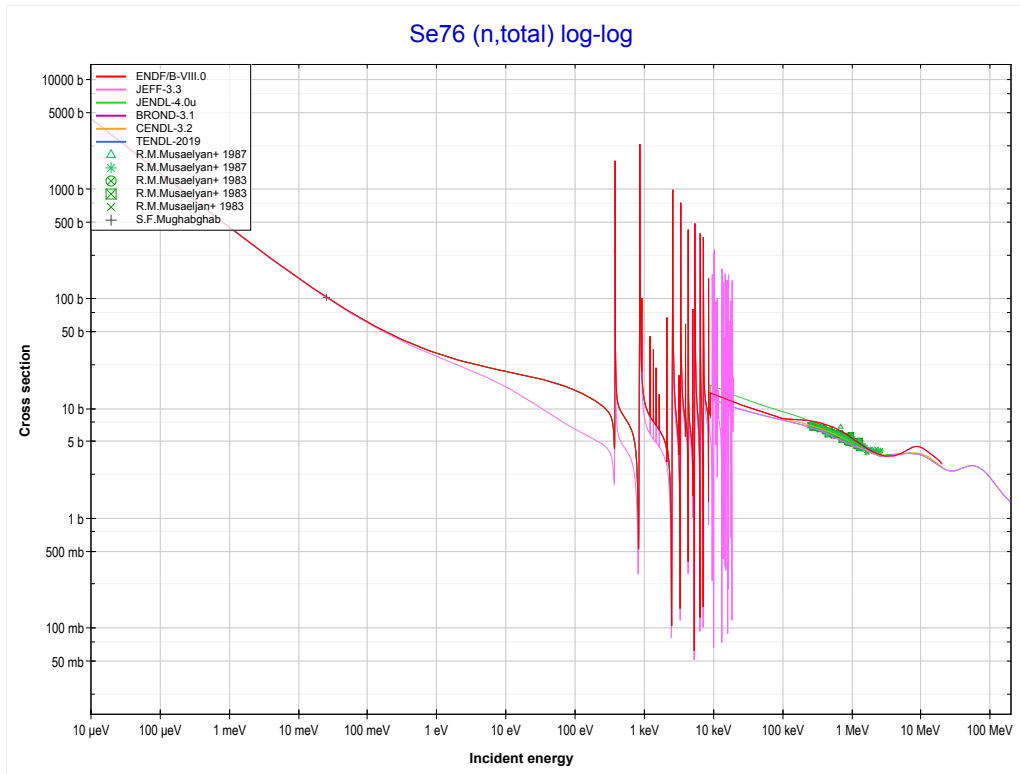
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0081421 b | 0.147882 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0183835 b | 0.151374 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00538557 b | 0.110729 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0120288 b | 0.1483 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0183835 b | 0.151374 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00683598 b | 0.125803 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00535419 b | 0.109264 b |

| | | |
|----------------|---|---------------------------|
| << 32-Ge-70 | 34-Se-74 | 35-Br-79 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (As72 production) | 34-Se-76 MT1 (n,total) >> |



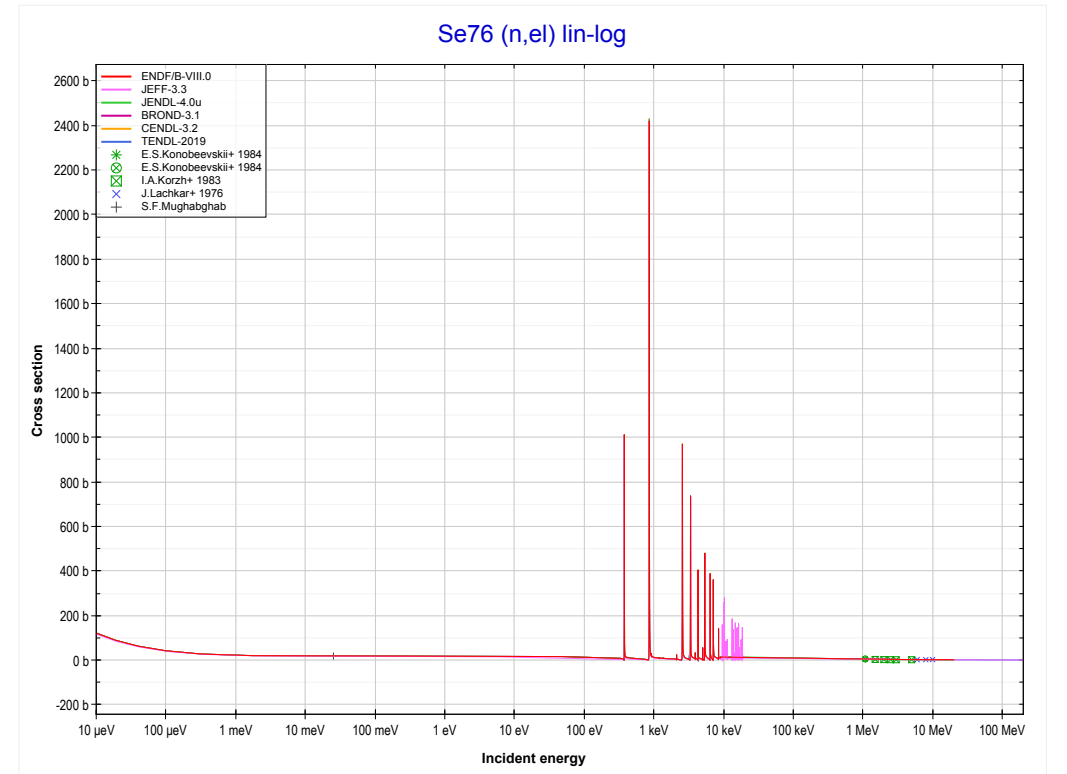
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.44121E-9 b | 1.66864E-8 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02403E-8 b | 1.79276E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.85888E-9 b | 6.7158E-9 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.54598E-9 b | 9.476E-8 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02403E-8 b | 1.79276E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.34841E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.85524E-9 b | 6.63831E-9 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 34-Se-74 | 34-Se-76 | 34-Se-77 >> |
| << 34-Se-74 MT105 (n,t) | MT1 (n,total) | MT2 (n,elastic) >> |



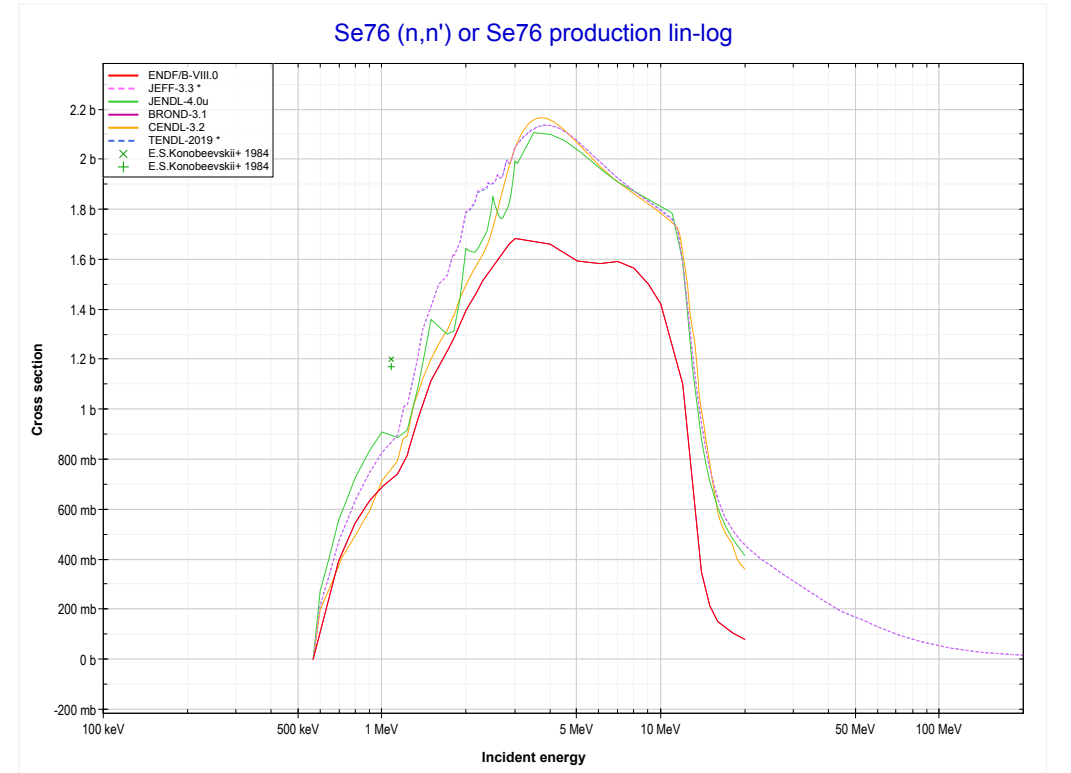
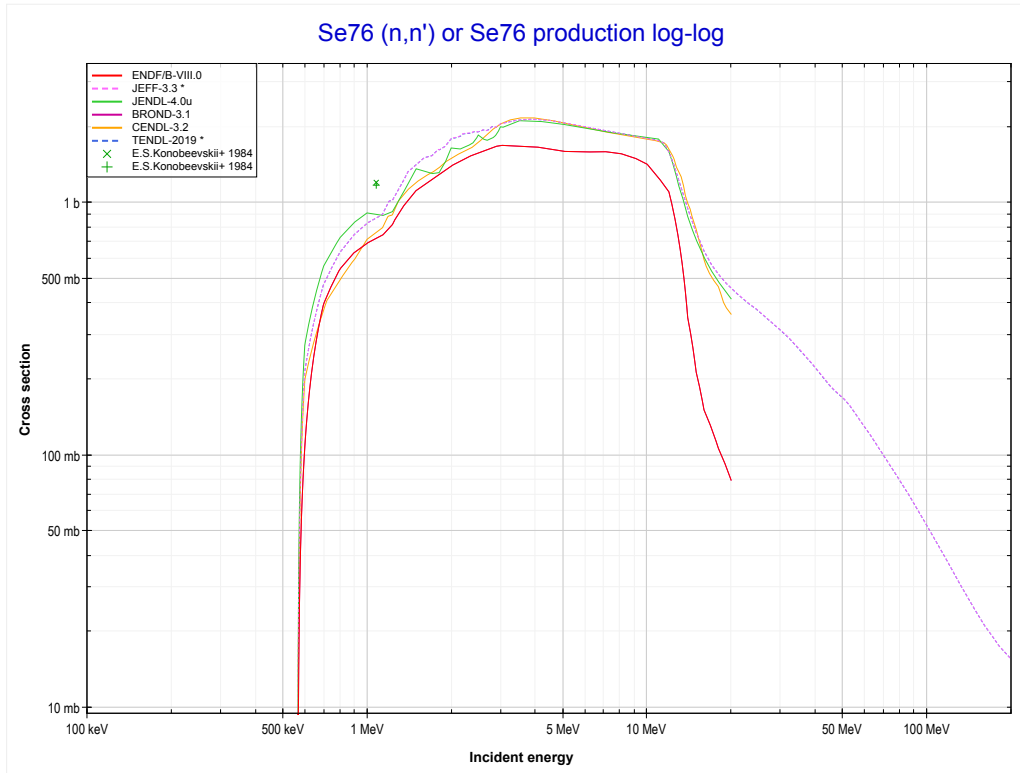
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 103.546 b | 103.546 b | 105.95 b | 1.02318 | 242.467 b | 4.98418 b | 3.8408 b |
| JEFF-3.3 | 102.481 b | 102.481 b | 104.7 b | 1.02163 | 199.214 b | 4.55104 b | 3.4004 b |
| JENDL-4.0u | 103.546 b | 103.546 b | 105.95 b | 1.02318 | 246.723 b | 4.79866 b | 3.38 b |
| BROND-3.1 | 103.546 b | 103.546 b | 105.95 b | 1.02318 | 242.467 b | 4.98418 b | 3.8408 b |
| CENDL-3.2 | 103.522 b | 103.522 b | 105.9 b | 1.02293 | 242.43 b | 4.67104 b | 3.51374 b |
| TENDL-2019 | 103.522 b | 103.522 b | 105.9 b | 1.02293 | 240.338 b | 4.54834 b | 3.40037 b |

| | | |
|------------------|------------------------|---------------|
| << 34-Se-74 | 34-Se-76 | 34-Se-77 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



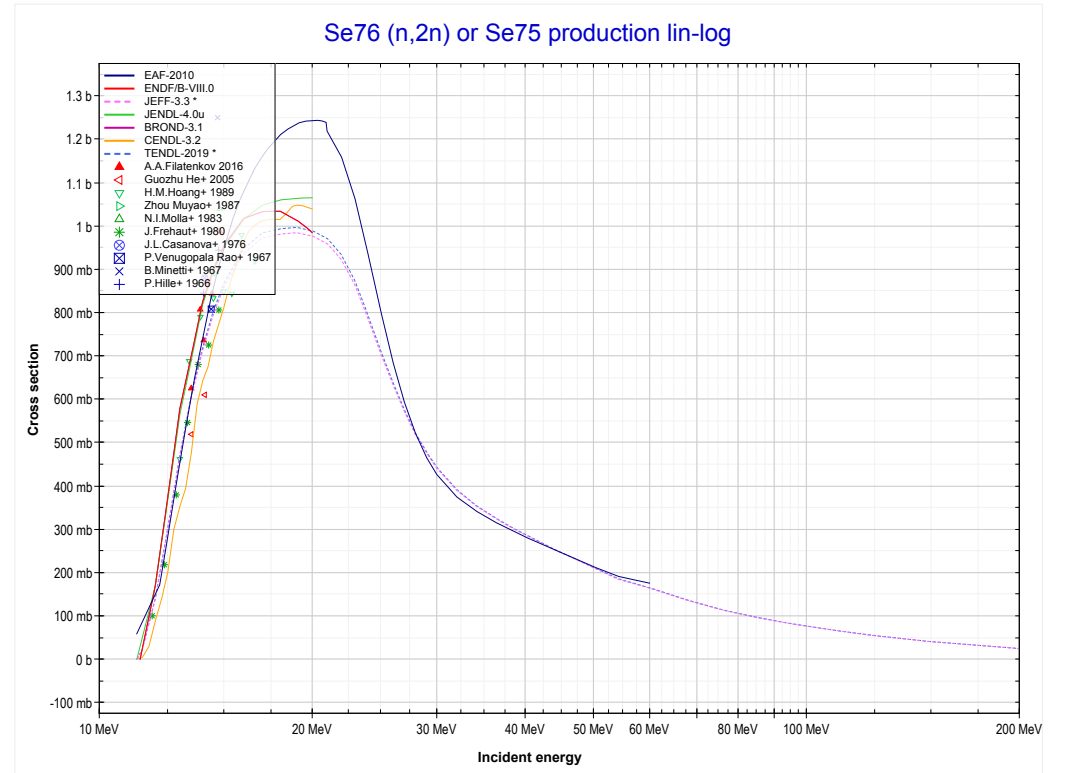
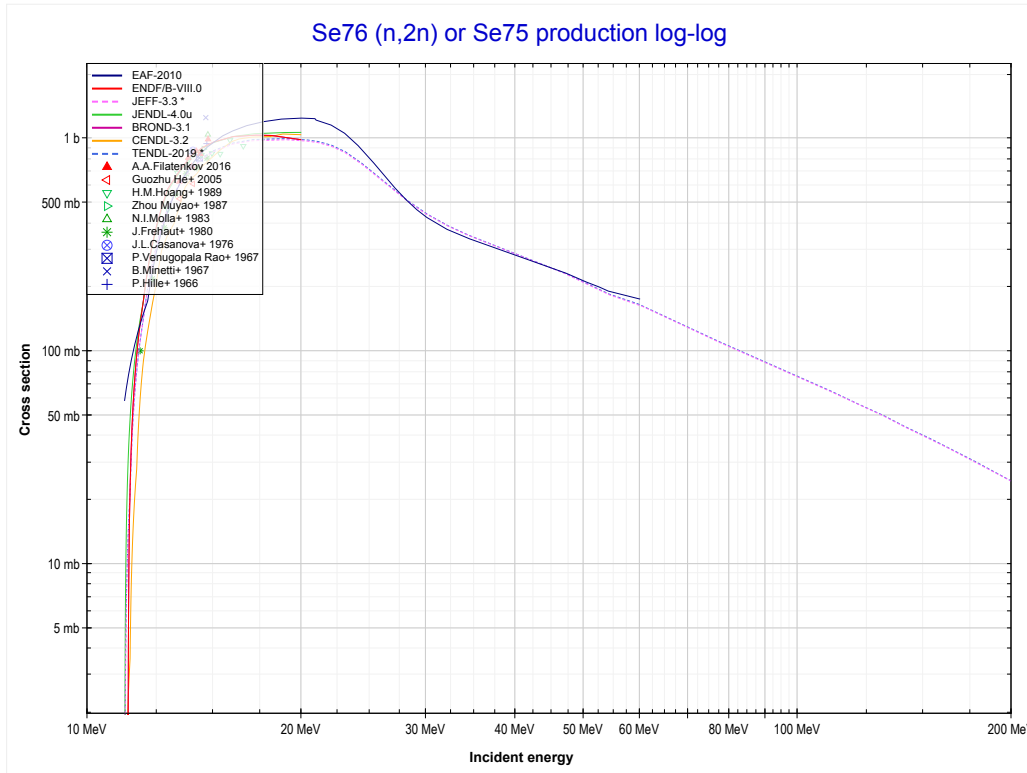
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 18.522 b | 18.522 b | 20.898 b | 1.12826 | 201.483 b | 3.96215 b | 2.55025 b |
| JEFF-3.3 | 17.6953 b | 17.6953 b | 19.95 b | 1.12739 | 164.966 b | 3.26964 b | 1.64803 b |
| JENDL-4.0u | 18.522 b | 18.522 b | 20.898 b | 1.12826 | 205.537 b | 3.57601 b | 1.60774 b |
| BROND-3.1 | 18.522 b | 18.522 b | 20.898 b | 1.12826 | 201.483 b | 3.96215 b | 2.55025 b |
| CENDL-3.2 | 18.522 b | 18.522 b | 20.899 b | 1.12833 | 201.512 b | 3.48854 b | 1.7891 b |
| TENDL-2019 | 18.522 b | 18.522 b | 20.899 b | 1.12833 | 199.273 b | 3.26841 b | 1.64803 b |

| | | |
|--------------------|--|----------------|
| << 33-As-75 | 34-Se-76 | 34-Se-77 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Se76 production) | MT16 (n,2n) >> |



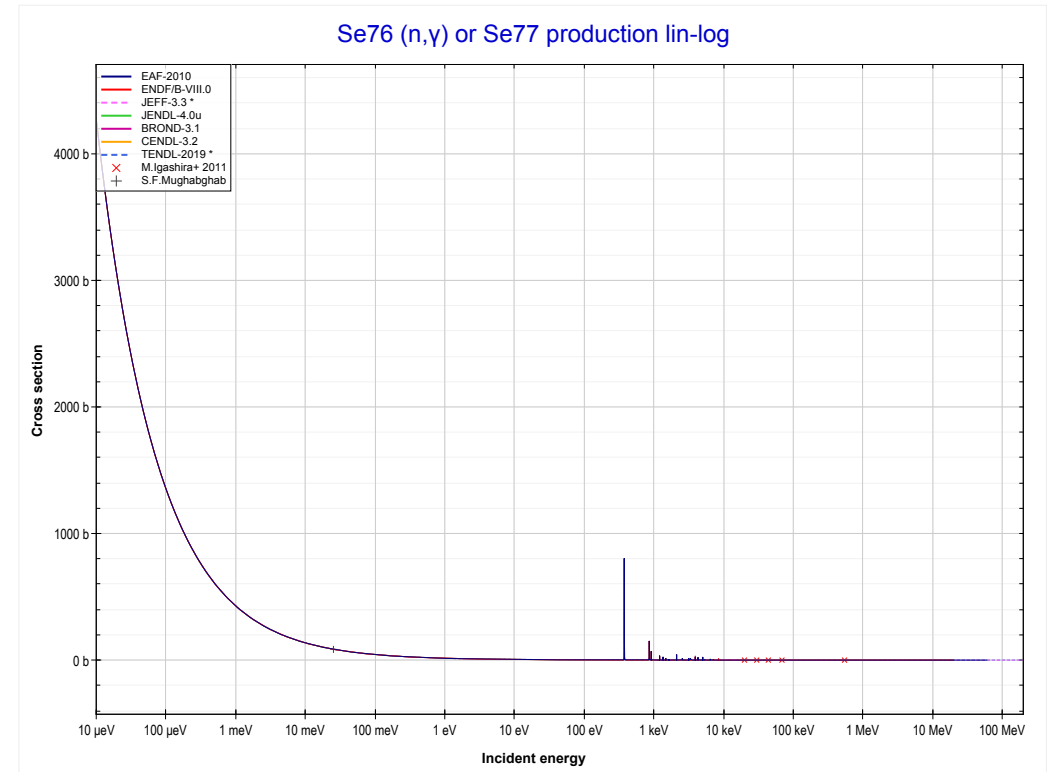
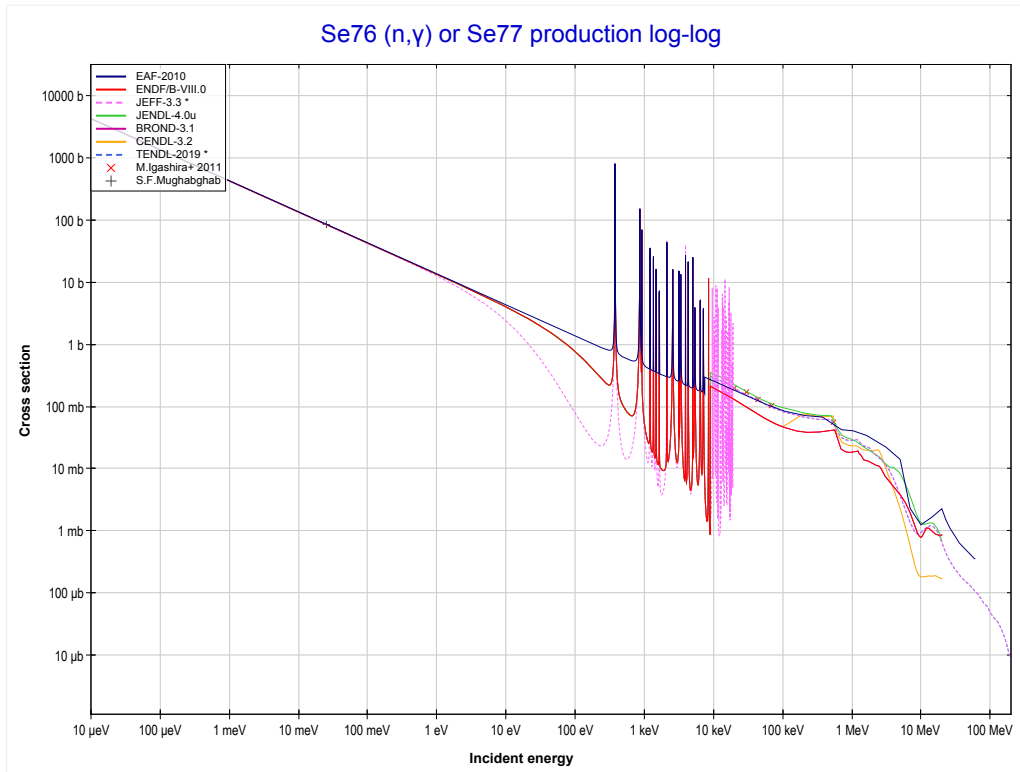
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00296 b | 0.349898 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25323 b | 0.943261 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.19204 b | 0.879754 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00296 b | 0.349898 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15535 b | 0.992951 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25281 b | 0.944657 b |

| | | |
|---------------|---|-------------------------|
| << 34-Se-74 | 34-Se-76 | 34-Se-78 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Se75 production) | MT102 (n, γ) >> |



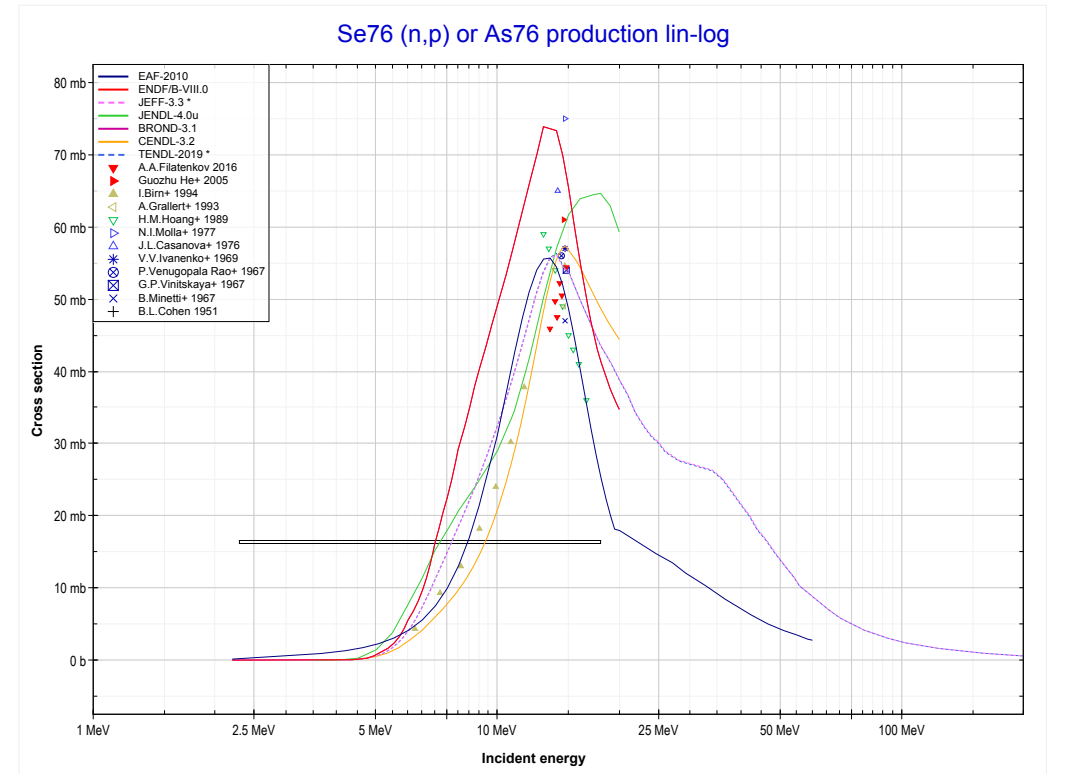
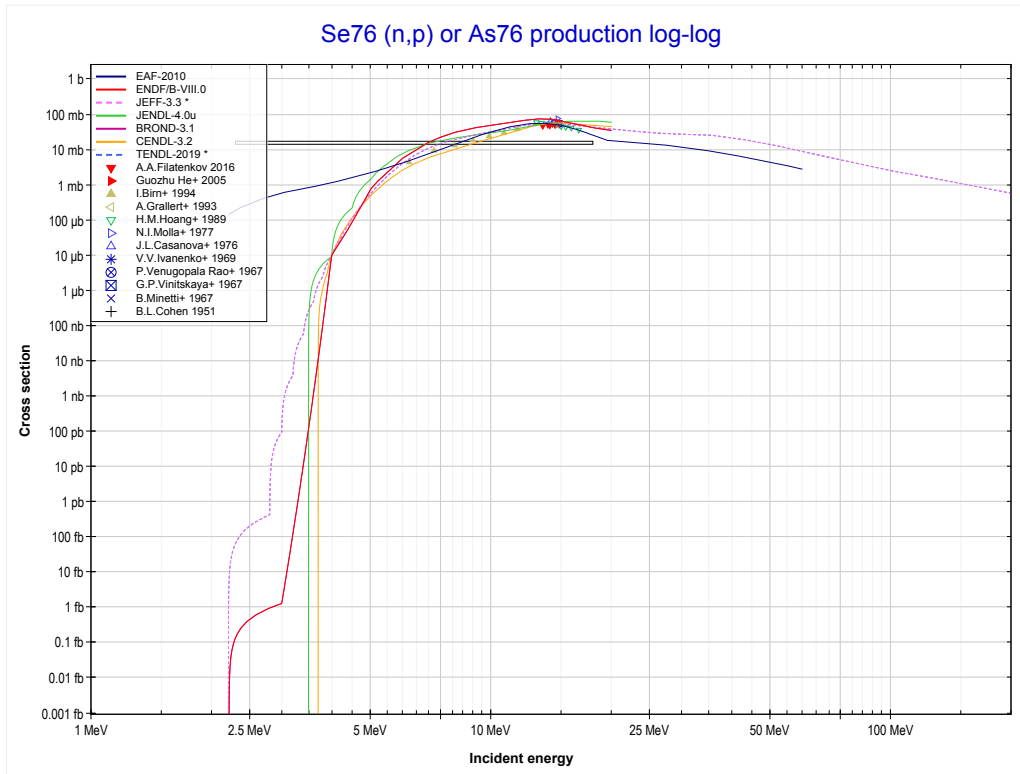
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.69611E-4 b | 0.738105 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.00752E-4 b | 0.824869 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58228E-4 b | 0.712103 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.02742E-4 b | 0.8181 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.00752E-4 b | 0.824869 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10901E-4 b | 0.641922 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.60605E-4 b | 0.719275 b |

| | | |
|----------------|---|----------------|
| << 34-Se-74 | 34-Se-76 | 34-Se-77 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Se77 production) | MT103 (n,p) >> |



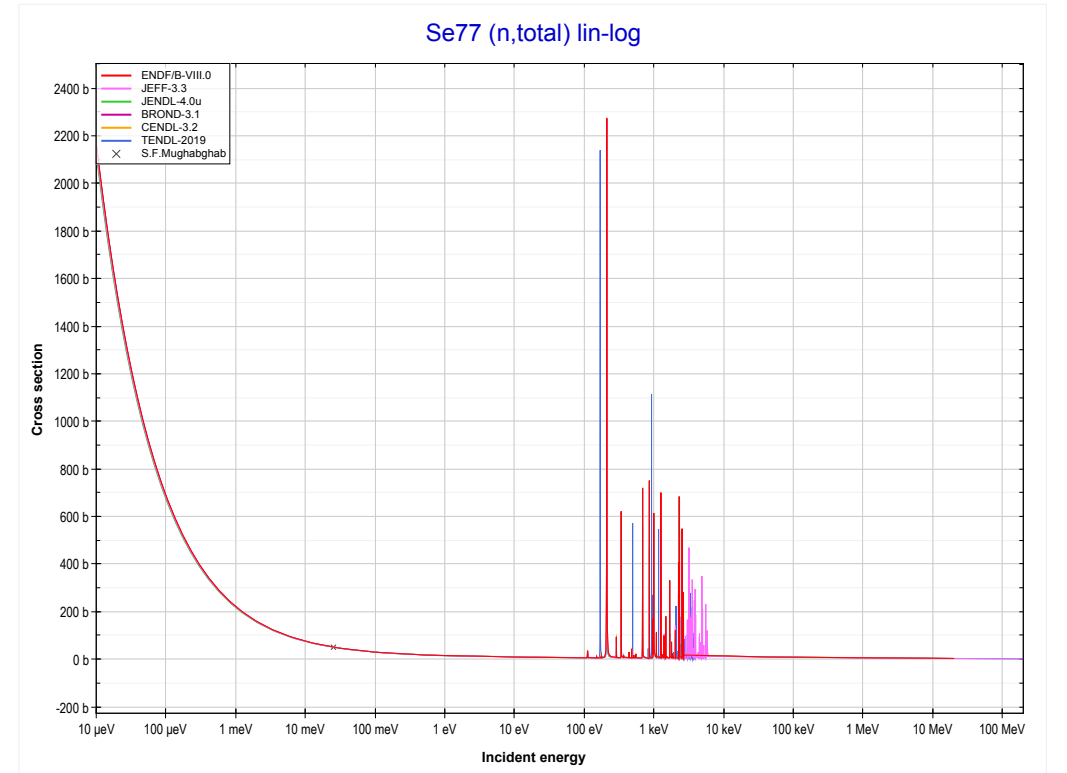
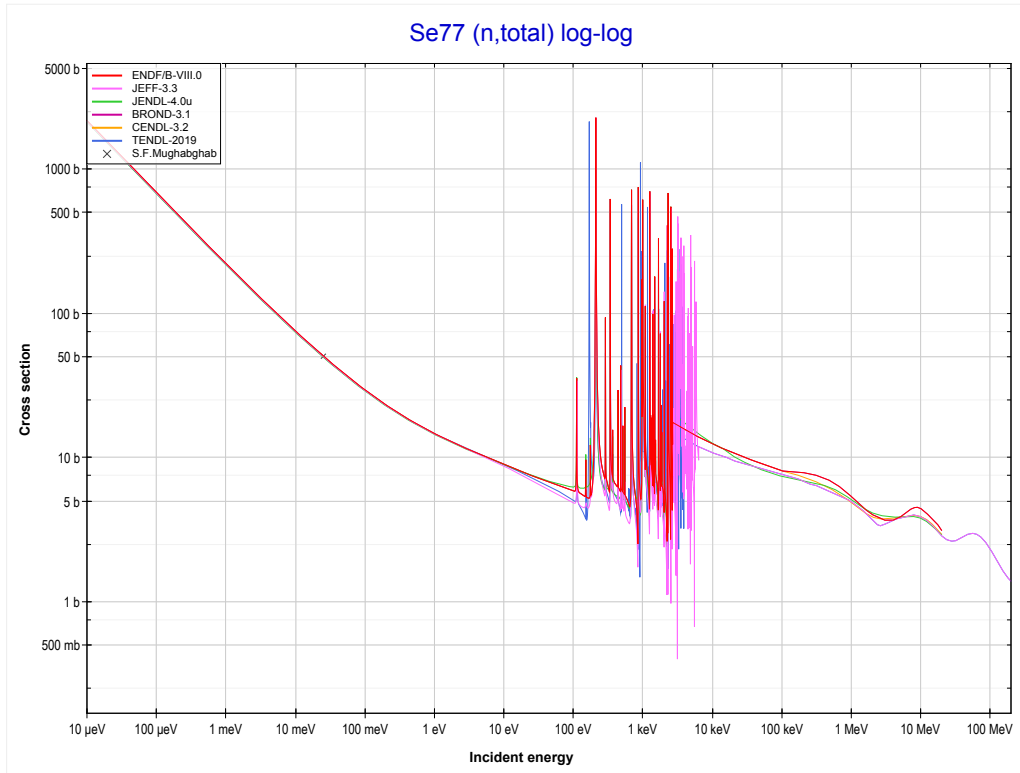
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 85.1076 b | 85.0439 b | 85.021 b | 0.99973 | 44.345 b | 0.0363408 b | 0.00162033 b |
| ENDF/B-VIII.0 | 85.024 b | 85.024 b | 85.048 b | 1.00029 | 40.9832 b | 0.017746 b | 0.00102325 b |
| JEFF-3.3 | 84.7856 b | 84.7856 b | 84.748 b | 0.99956 | 34.2471 b | 0.0272935 b | 0.00119635 b |
| JENDL-4.0u | 85.024 b | 85.024 b | 85.048 b | 1.00029 | 41.1866 b | 0.0295738 b | 0.001349 b |
| BROND-3.1 | 85.024 b | 85.024 b | 85.048 b | 1.00029 | 40.9832 b | 0.017746 b | 0.00102325 b |
| CENDL-3.2 | 85.0003 b | 85.0003 b | 84.997 b | 0.99996 | 40.916 b | 0.0256131 b | 1.85329E-4 b |
| TENDL-2019 | 85.0003 b | 85.0003 b | 84.997 b | 0.99996 | 41.0634 b | 0.0270487 b | 0.00119491 b |

| | | |
|-------------------------|---|---------------------------|
| << 34-Se-74 | 34-Se-76 | 34-Se-77 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (As76 production) | 34-Se-77 MT1 (n,total) >> |



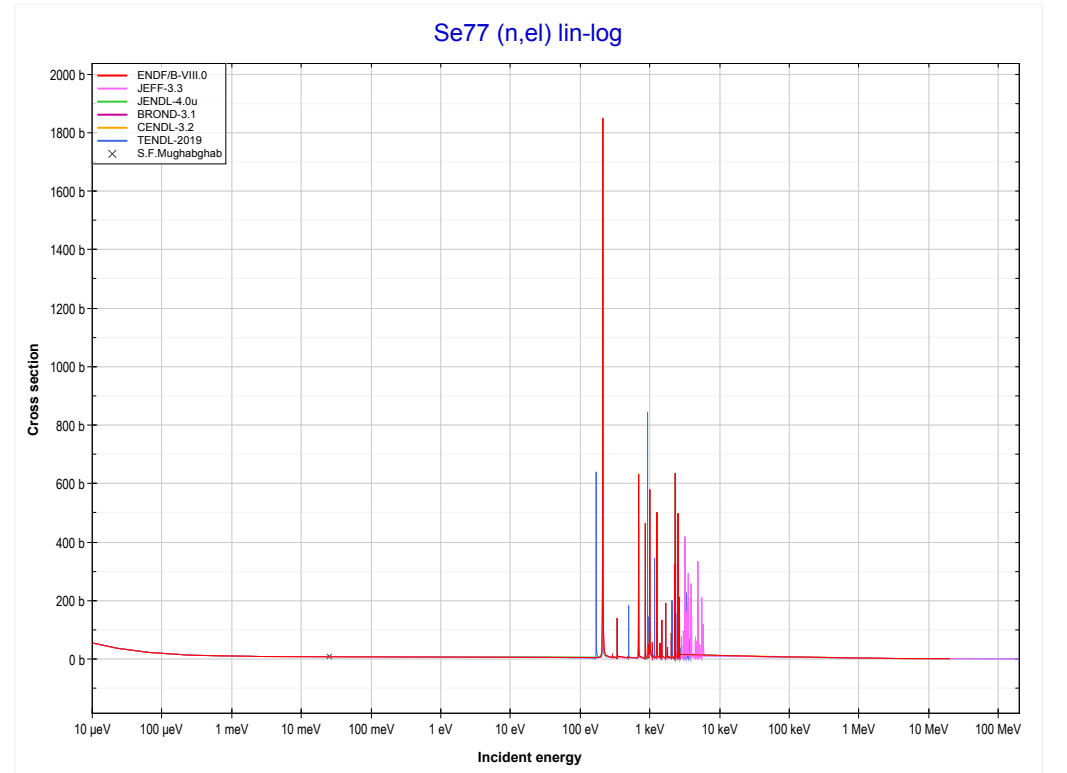
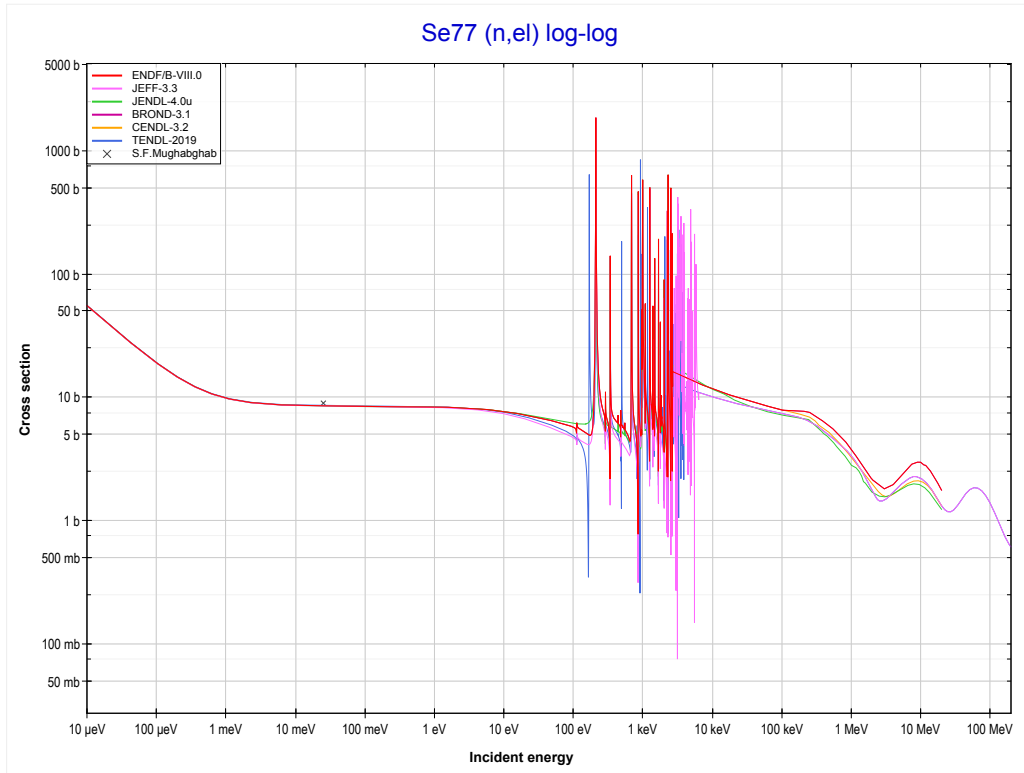
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52323E-4 b | 0.0544468 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.20891E-4 b | 0.0733557 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.969E-4 b | 0.0561304 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.51016E-4 b | 0.05705 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.20891E-4 b | 0.0733557 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.06404E-4 b | 0.0554769 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99678E-4 b | 0.0563389 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 34-Se-76 | 34-Se-77 | 34-Se-78 >> |
| << 34-Se-76 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



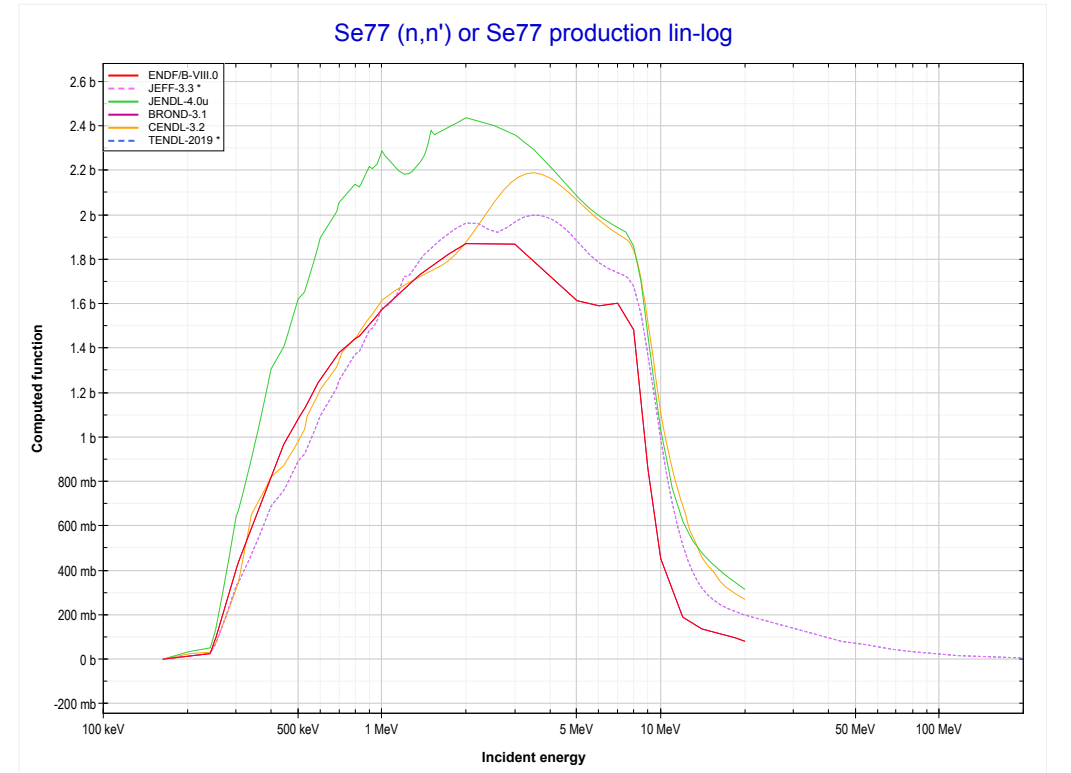
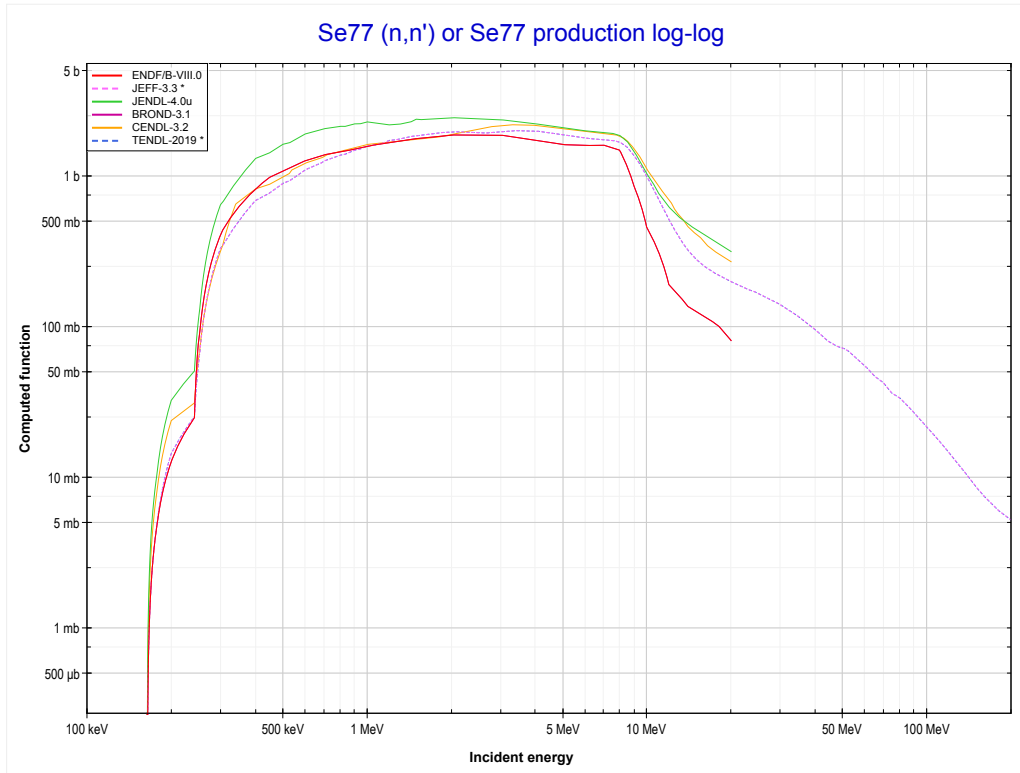
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 50.4927 b | 50.4927 b | 51.566 b | 1.02126 | 182.829 b | 4.98661 b | 3.84055 b |
| JEFF-3.3 | 49.9421 b | 49.9421 b | 51.014 b | 1.02147 | 177.943 b | 4.53483 b | 3.48109 b |
| JENDL-4.0u | 49.4703 b | 49.4703 b | 50.54 b | 1.02163 | 176.097 b | 4.82332 b | 3.423 b |
| BROND-3.1 | 50.4927 b | 50.4927 b | 51.566 b | 1.02126 | 182.829 b | 4.98661 b | 3.84055 b |
| CENDL-3.2 | 50.4844 b | 50.4844 b | 51.544 b | 1.02098 | 182.764 b | 4.68884 b | 3.5333 b |
| TENDL-2019 | 49.862 b | 49.862 b | 50.934 b | 1.02149 | 177.453 b | 4.53406 b | 3.48109 b |

| | | |
|------------------|------------------------|---------------|
| << 34-Se-76 | 34-Se-77 | 34-Se-78 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



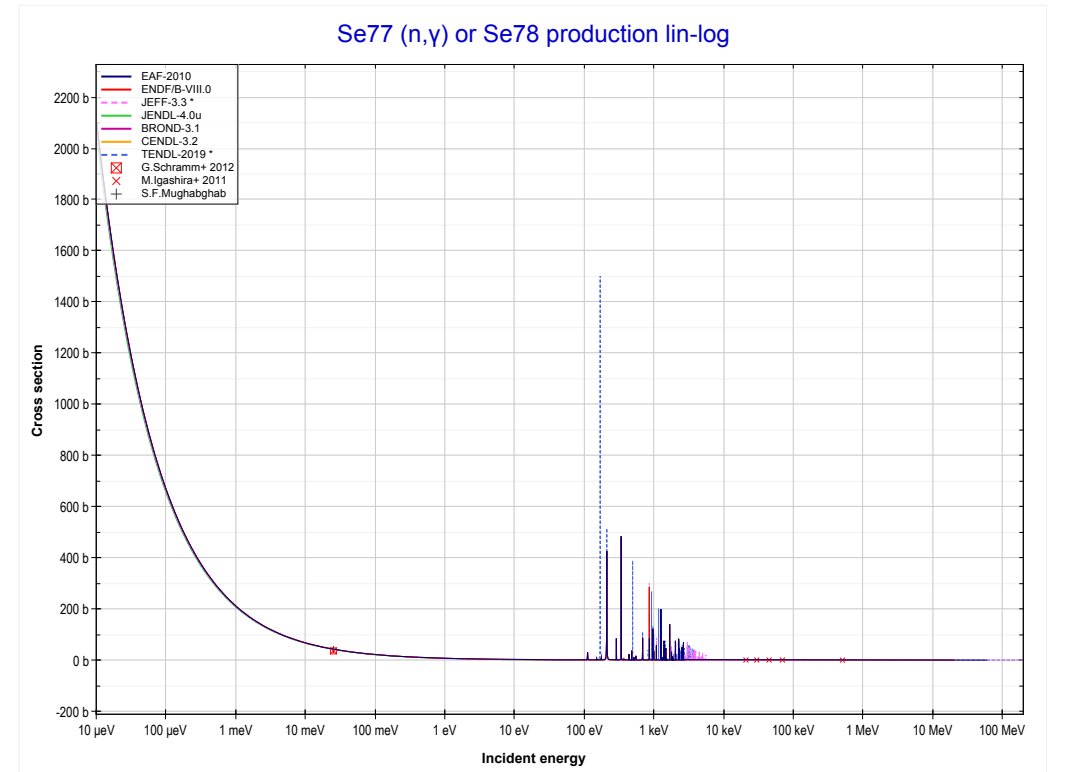
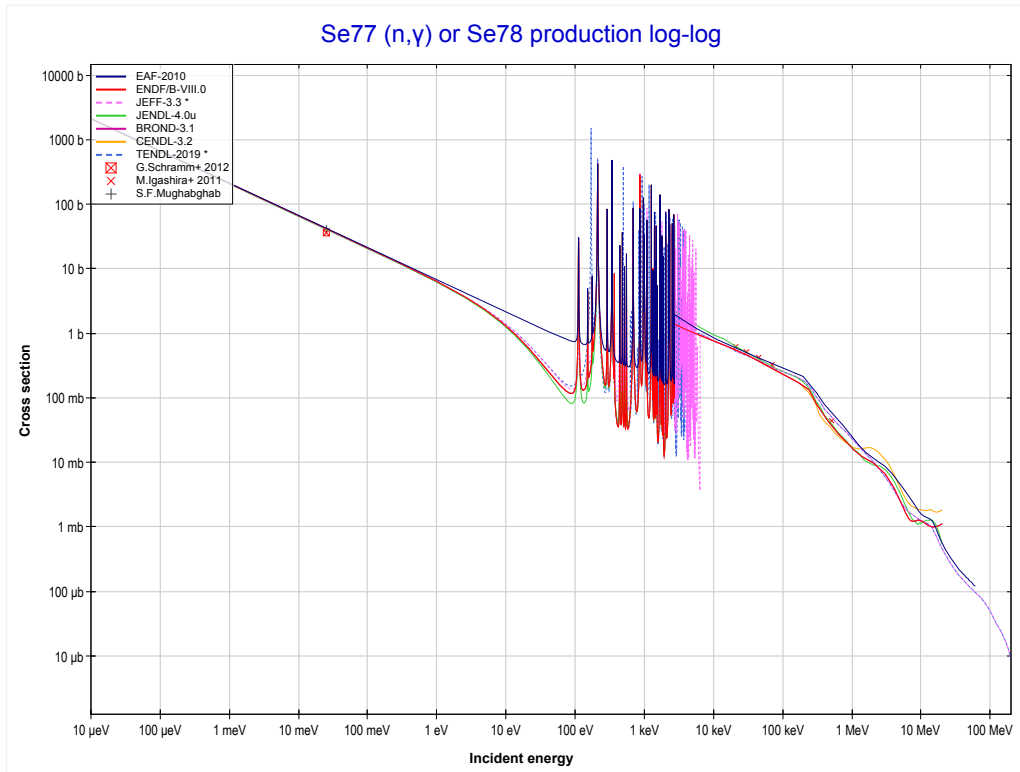
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.48518 b | 8.48518 b | 9.5715 b | 1.12803 | 150.991 b | 3.4435 b | 2.5018 b |
| JEFF-3.3 | 8.44565 b | 8.44565 b | 9.526 b | 1.12791 | 145.422 b | 2.93846 b | 1.8273 b |
| JENDL-4.0u | 8.45902 b | 8.45902 b | 9.5421 b | 1.12804 | 145.079 b | 2.77097 b | 1.63594 b |
| BROND-3.1 | 8.48518 b | 8.48518 b | 9.5715 b | 1.12803 | 150.991 b | 3.4435 b | 2.5018 b |
| CENDL-3.2 | 8.48518 b | 8.48518 b | 9.5721 b | 1.12809 | 150.962 b | 3.03555 b | 1.80282 b |
| TENDL-2019 | 8.53901 b | 8.53901 b | 9.6323 b | 1.12803 | 129.057 b | 2.93795 b | 1.8273 b |

| | | |
|--------------------|--|-------------------------|
| << 34-Se-76 | 34-Se-77 | 34-Se-78 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Se77 production) | MT102 (n, γ) >> |



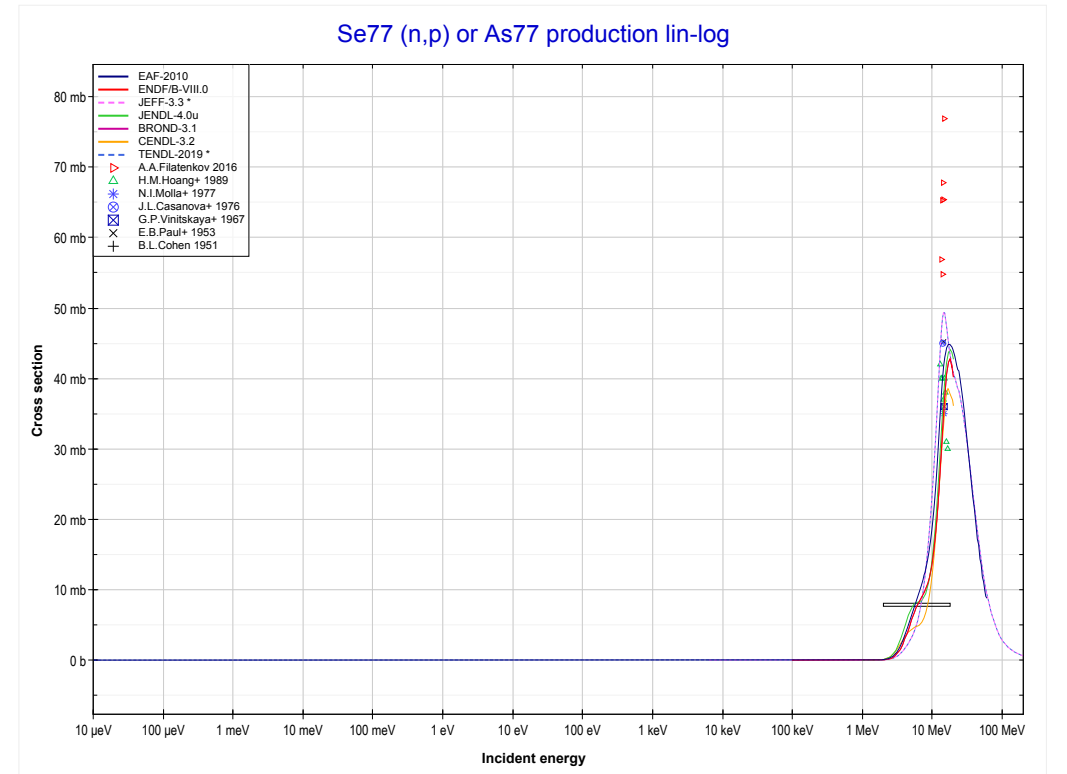
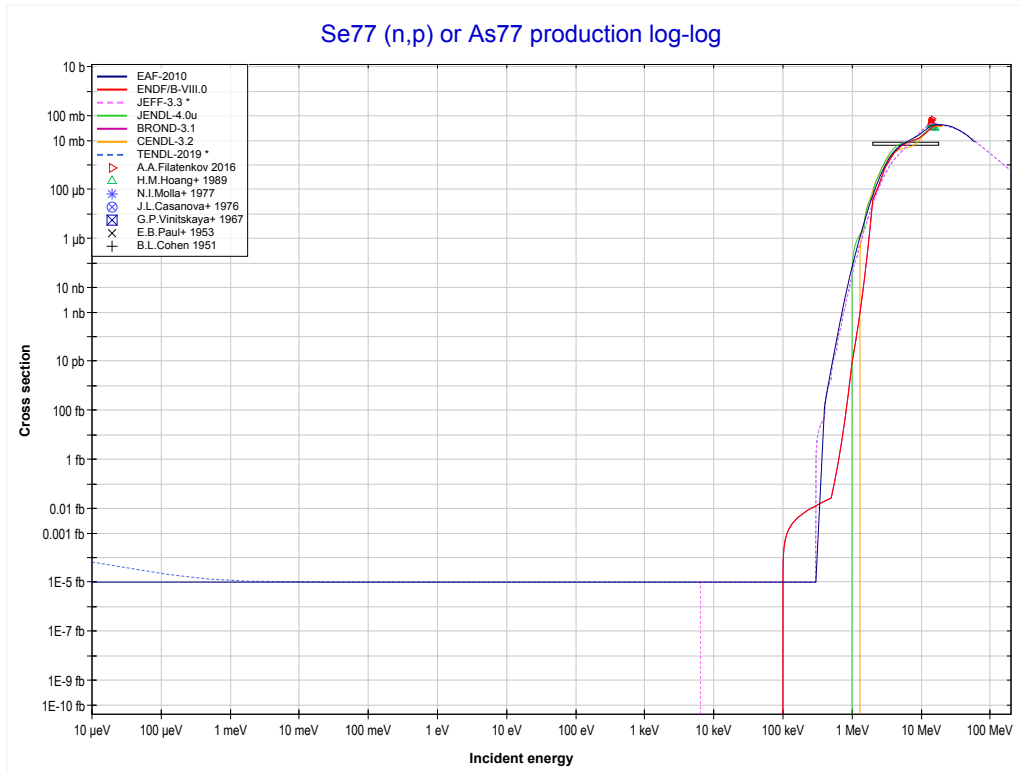
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50872 b | 0.136273 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55918 b | 0.3225 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.01723 b | 0.480298 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50872 b | 0.136273 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6183 b | 0.462239 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55928 b | 0.322067 b |

| | | |
|---------------|---|----------------|
| << 34-Se-76 | 34-Se-77 | 34-Se-78 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Se78 production) | MT103 (n,p) >> |



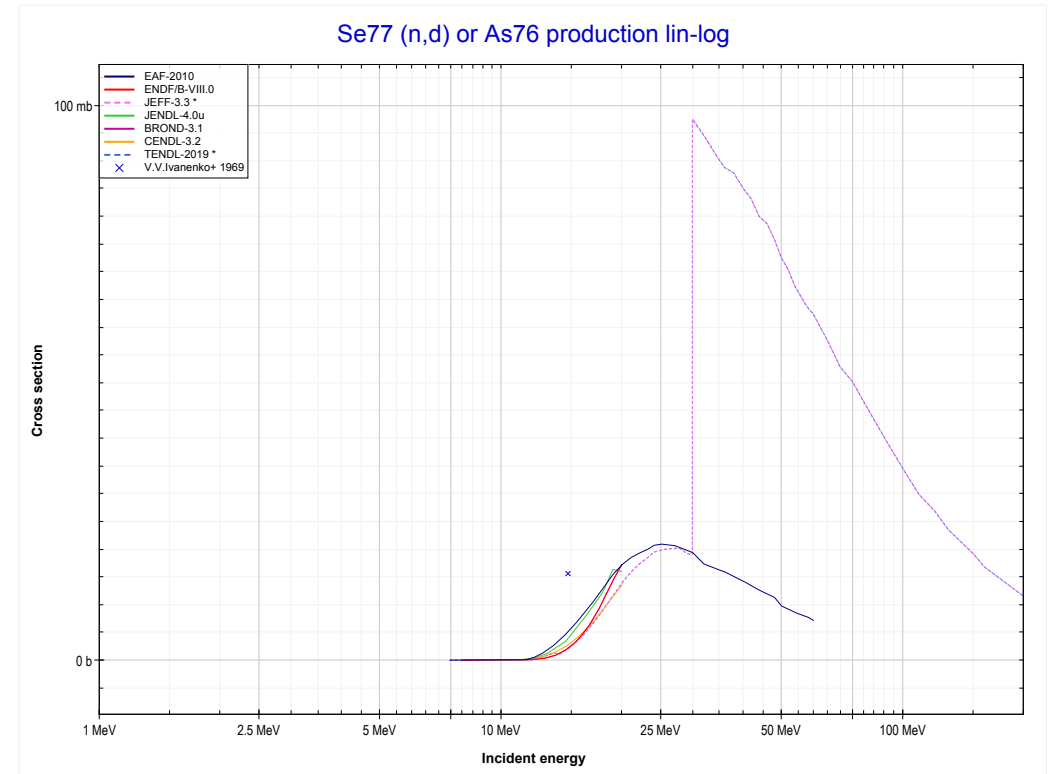
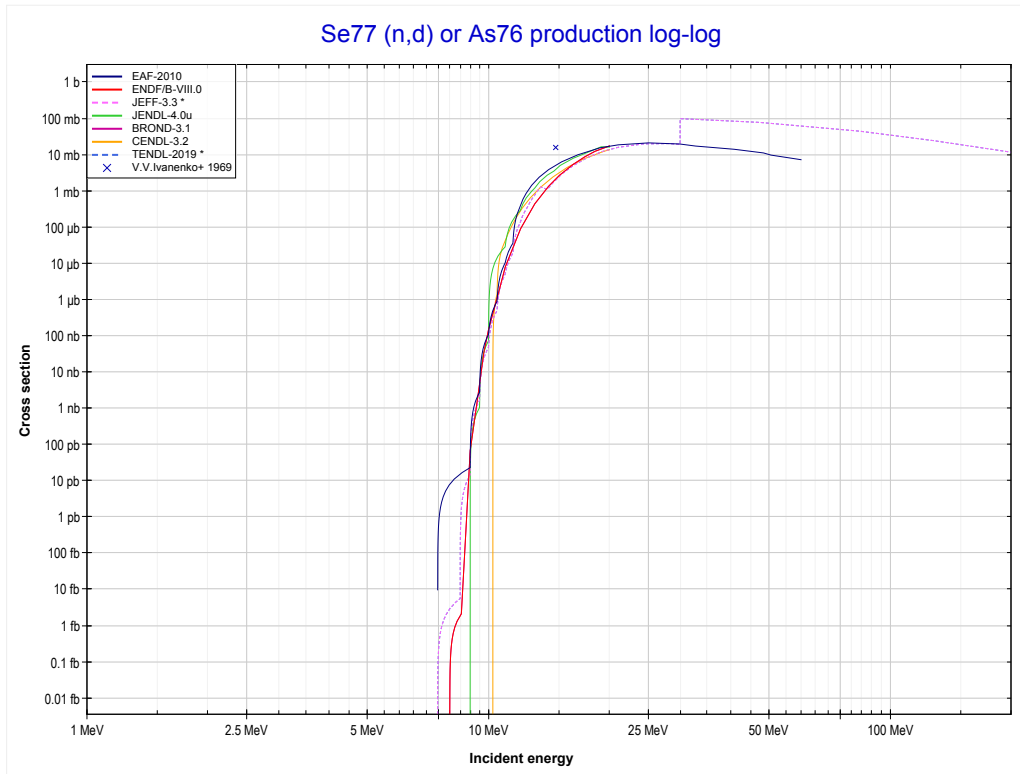
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 42.0508 b | 42.0193 b | 42.008 b | 0.99973 | 36.2557 b | 0.0372875 b | 0.0012742 b |
| ENDF/B-VIII.0 | 42.0075 b | 42.0075 b | 41.995 b | 0.9997 | 31.8385 b | 0.0273602 b | 0.00100118 b |
| JEFF-3.3 | 41.4955 b | 41.4955 b | 41.487 b | 0.9998 | 32.5202 b | 0.0329942 b | 0.00100681 b |
| JENDL-4.0u | 41.0112 b | 41.0112 b | 40.998 b | 0.99968 | 31.0179 b | 0.0296414 b | 0.001269 b |
| BROND-3.1 | 42.0075 b | 42.0075 b | 41.995 b | 0.9997 | 31.8385 b | 0.0273602 b | 0.00100118 b |
| CENDL-3.2 | 41.9992 b | 41.9992 b | 41.971 b | 0.99933 | 31.8017 b | 0.0291057 b | 0.00184175 b |
| TENDL-2019 | 41.322 b | 41.322 b | 41.3 b | 0.99947 | 48.3933 b | 0.0328015 b | 0.00100513 b |

| | | |
|-------------------------|---|----------------|
| << 34-Se-76 | 34-Se-77 | 34-Se-78 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (As77 production) | MT104 (n,d) >> |



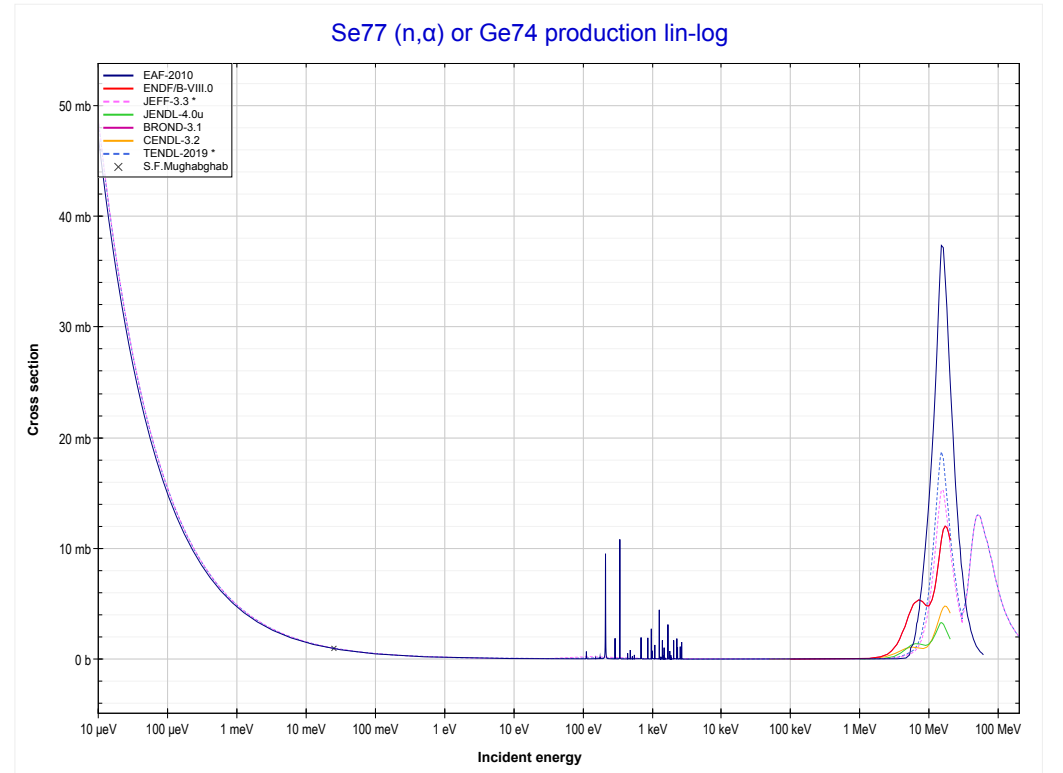
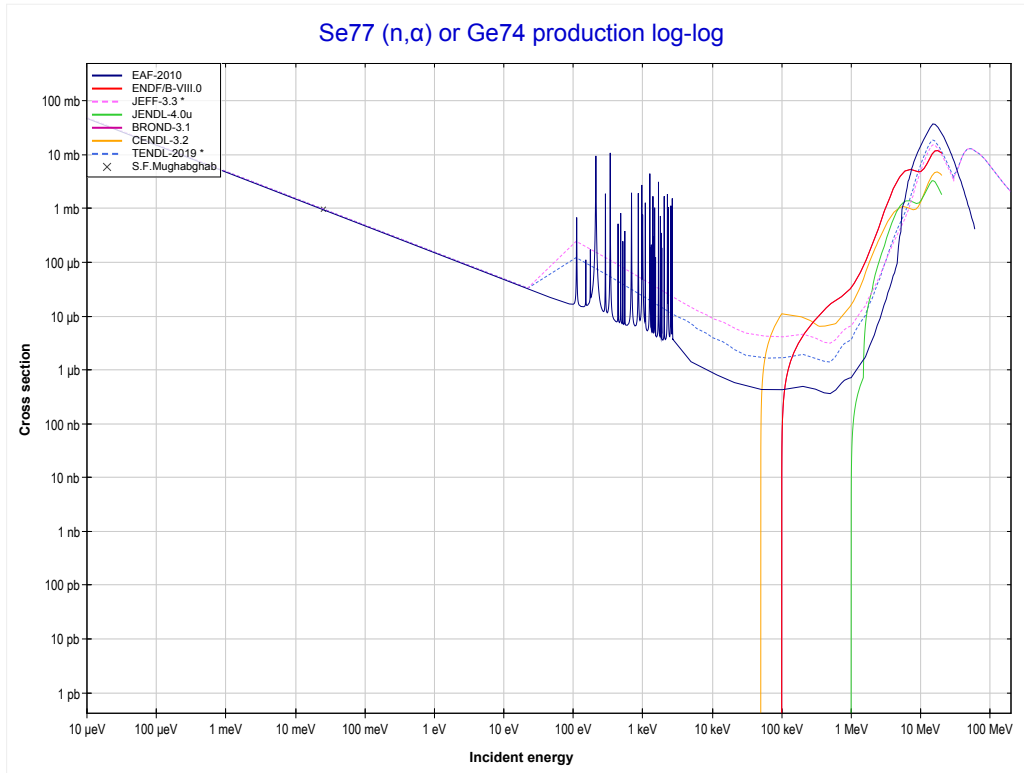
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22082E-19 b | 0.00110693 b | 0.0399639 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.3542E-29 b | 9.13248E-4 b | 0.0325698 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.74914E-20 b | 6.97209E-4 b | 0.0486808 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00123556 b | 0.03522 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.3542E-29 b | 9.13248E-4 b | 0.0325698 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.69428E-4 b | 0.0313902 b |
| TENDL-2019 | 1.0066E-20 b | 1.0066E-20 b | 1.1358E-20 b | 1.12836 | 1.2207E-19 b | 6.97055E-4 b | 0.0486044 b |

| | | |
|----------------|---|-------------------------|
| << 30-Zn-68 | 34-Se-77 | 38-Sr-87 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (As76 production) | MT107 (n, α) >> |



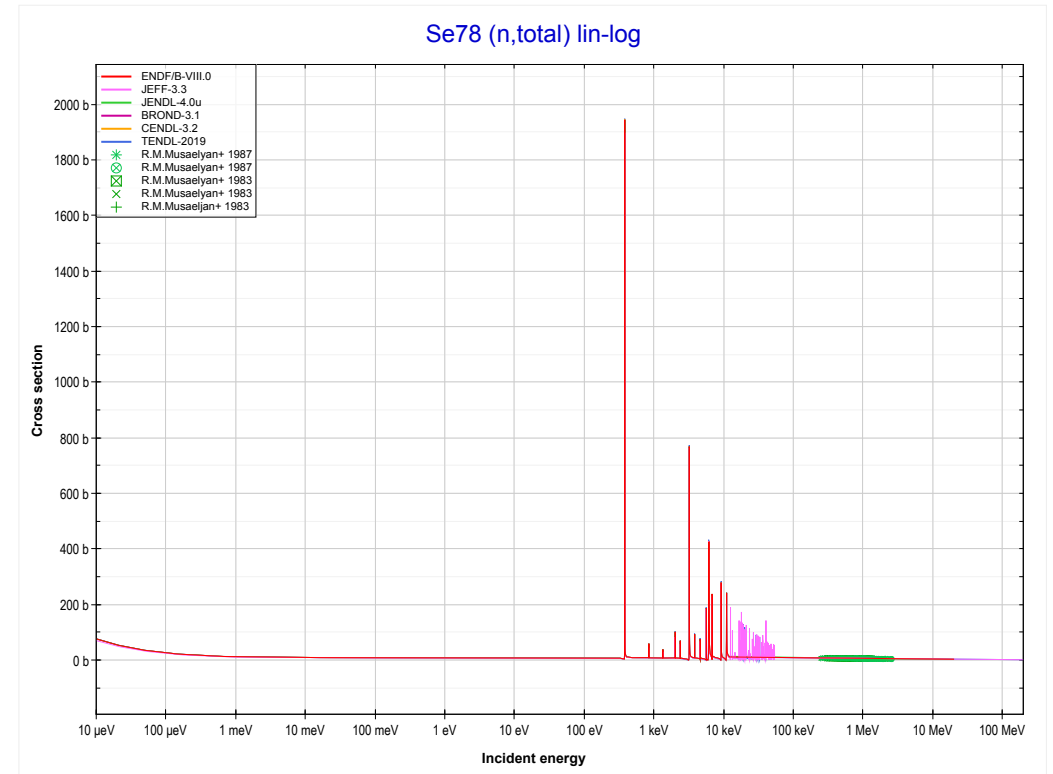
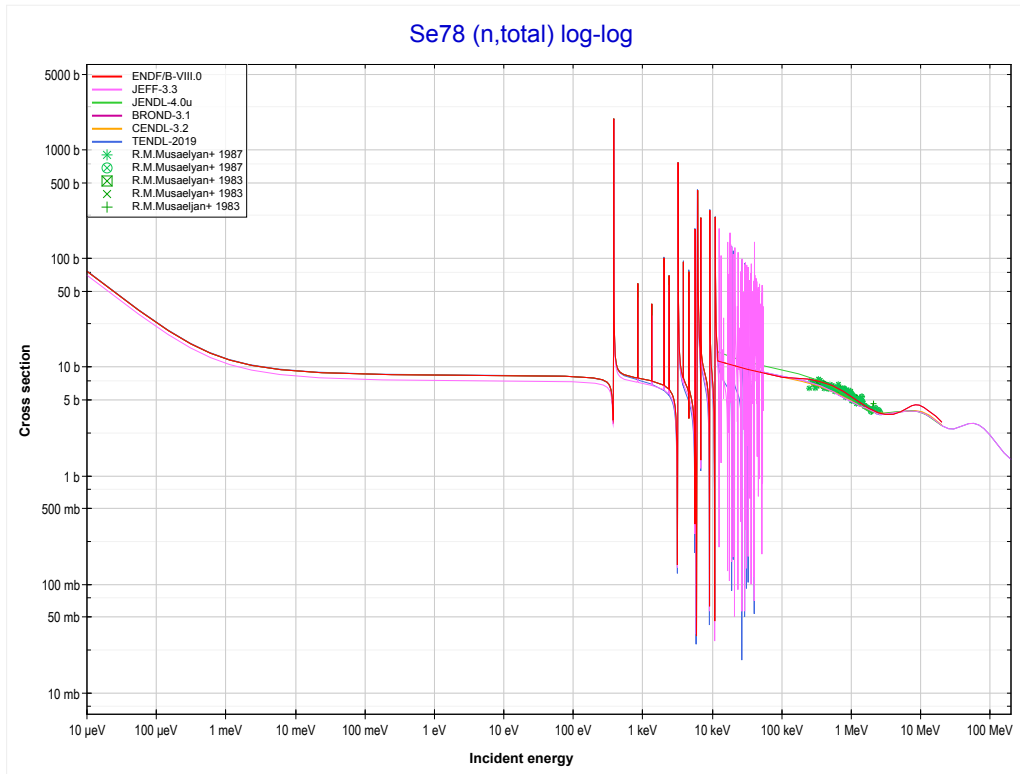
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35665E-6 b | 0.00357578 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.80465E-7 b | 0.00120721 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.29288E-7 b | 0.00107028 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.12898E-6 b | 0.002683 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.80465E-7 b | 0.00120721 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.03526E-7 b | 0.0017994 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.29128E-7 b | 0.00106998 b |

| | | |
|----------------|---|---------------------------|
| << 33-As-75 | 34-Se-77 | 34-Se-78 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ge74 production) | 34-Se-78 MT1 (n,total) >> |



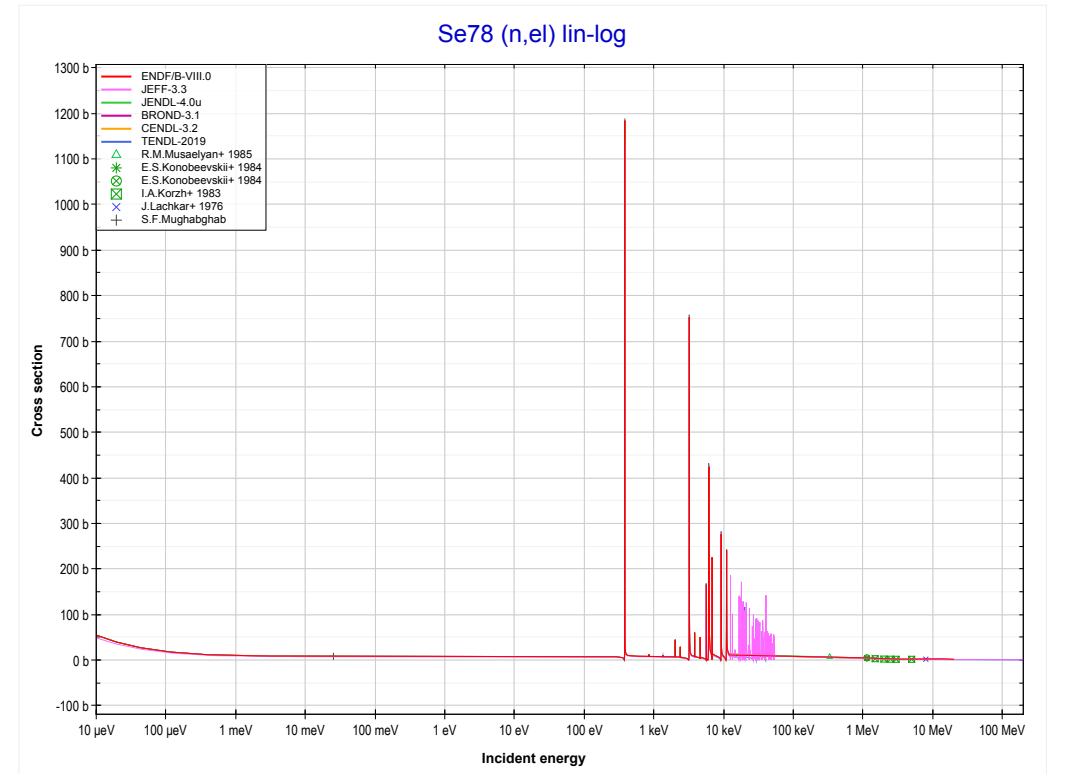
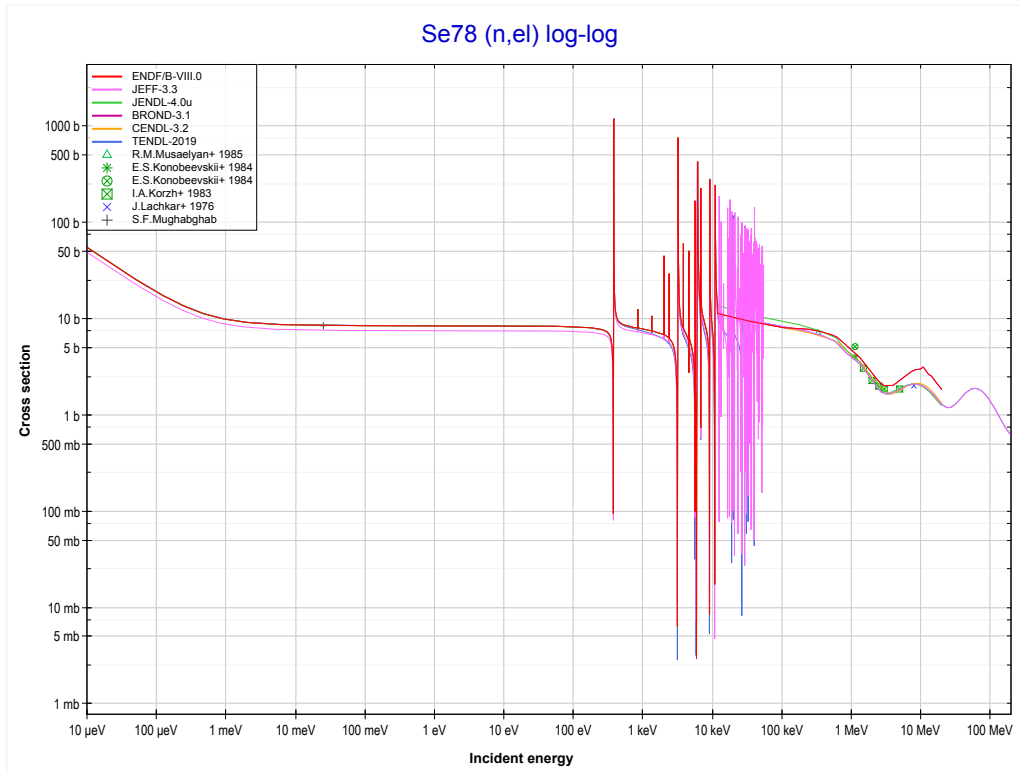
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9.4E-4 b | 9.39296E-4 b | 9.3904E-4 b | 0.99973 | 7.49757E-4 b | 2.19268E-4 b | 0.0333976 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 8.57755E-18 b | 7.09126E-4 b | 0.0093358 b |
| JEFF-3.3 | 9.7254E-4 b | 9.7254E-4 b | 9.727E-4 b | 1.00016 | 8.81371E-4 b | 1.19259E-4 b | 0.01381 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.82146E-4 b | 0.003085 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 8.57759E-18 b | 7.09126E-4 b | 0.0093358 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 3.39232E-6 b | 2.41878E-4 b | 0.00372181 b |
| TENDL-2019 | 9.72667E-4 b | 9.72667E-4 b | 9.7194E-4 b | 0.99926 | 6.47548E-4 b | 1.43333E-4 b | 0.0172581 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 34-Se-77 | 34-Se-78 | 34-Se-80 >> |
| << 34-Se-77 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



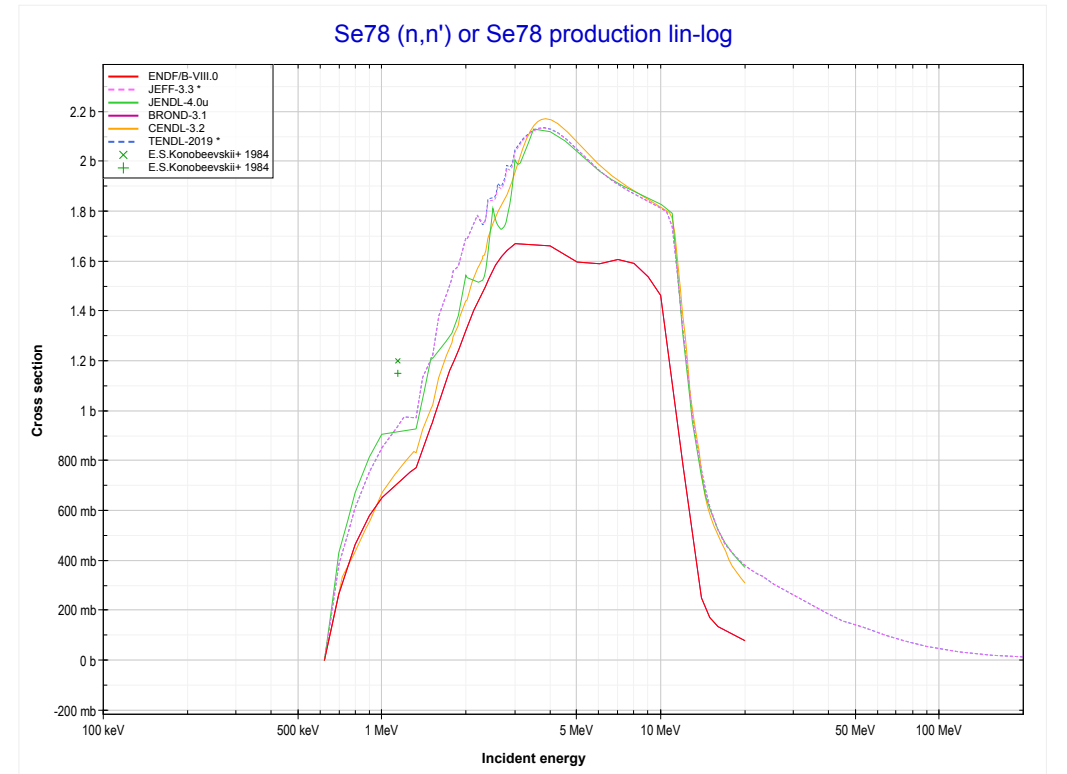
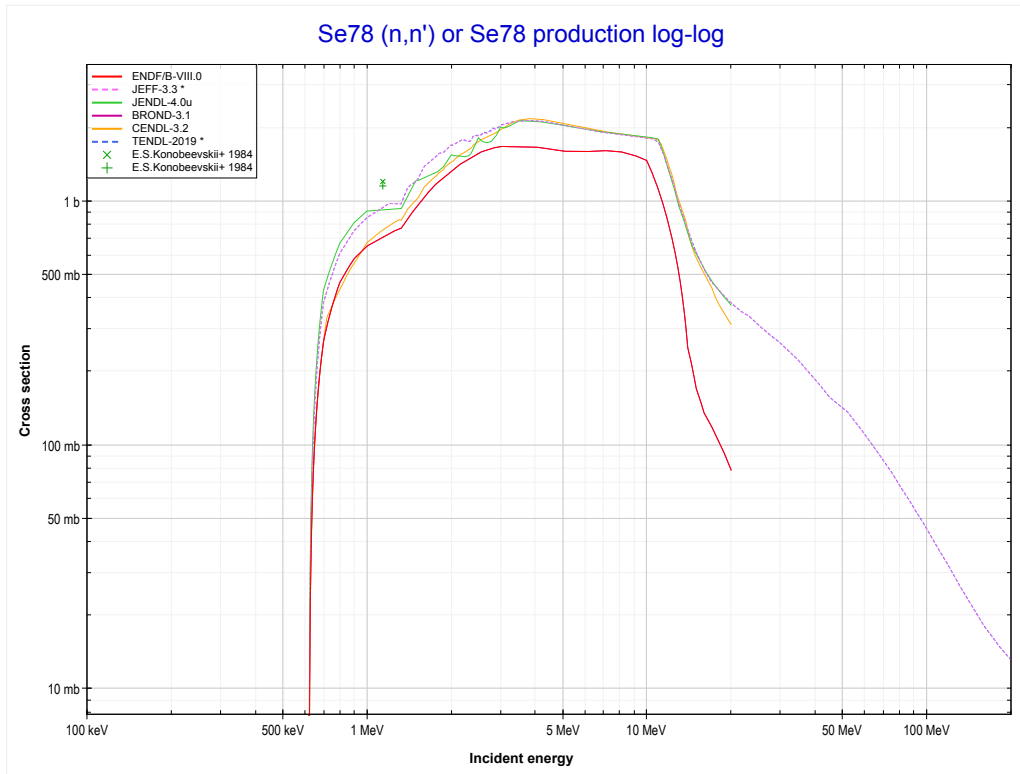
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.88451 b | 8.88451 b | 9.9698 b | 1.12216 | 126.777 b | 4.98308 b | 3.84114 b |
| JEFF-3.3 | 7.95637 b | 7.95637 b | 8.9229 b | 1.12147 | 123.162 b | 4.73105 b | 3.46375 b |
| JENDL-4.0u | 8.88451 b | 8.88451 b | 9.9698 b | 1.12216 | 130.423 b | 4.92304 b | 3.439 b |
| BROND-3.1 | 8.88451 b | 8.88451 b | 9.9698 b | 1.12216 | 126.777 b | 4.98308 b | 3.84114 b |
| CENDL-3.2 | 8.88438 b | 8.88438 b | 9.9701 b | 1.12221 | 126.775 b | 4.71217 b | 3.55274 b |
| TENDL-2019 | 8.9397 b | 8.9397 b | 10.032 b | 1.12214 | 122.317 b | 4.70437 b | 3.46374 b |

| | | |
|------------------|------------------------|---------------|
| << 34-Se-77 | 34-Se-78 | 34-Se-80 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



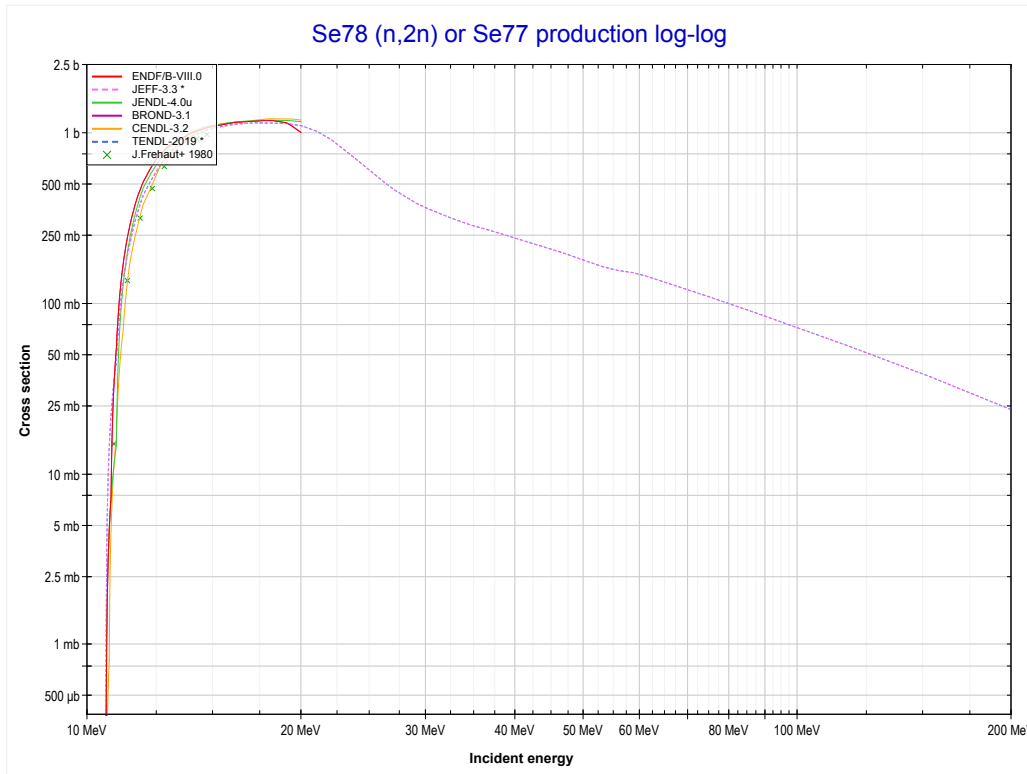
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.45438 b | 8.45438 b | 9.5396 b | 1.12836 | 122.147 b | 4.00794 b | 2.57024 b |
| JEFF-3.3 | 7.52835 b | 7.52835 b | 8.4947 b | 1.12836 | 118.511 b | 3.51456 b | 1.72526 b |
| JENDL-4.0u | 8.45438 b | 8.45438 b | 9.5396 b | 1.12836 | 125.815 b | 3.75685 b | 1.67207 b |
| BROND-3.1 | 8.45438 b | 8.45438 b | 9.5396 b | 1.12836 | 122.147 b | 4.00794 b | 2.57024 b |
| CENDL-3.2 | 8.45438 b | 8.45438 b | 9.5401 b | 1.12842 | 122.127 b | 3.59422 b | 1.81951 b |
| TENDL-2019 | 8.50195 b | 8.50195 b | 9.5938 b | 1.12842 | 117.738 b | 3.48713 b | 1.72526 b |

| | | |
|-------------------------|--|-------------------------|
| << 34- ^{Se-77} | 34-^{Se-78} | 34- ^{Se-80} >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Se78 production) | MT16 (n,2n) >> |



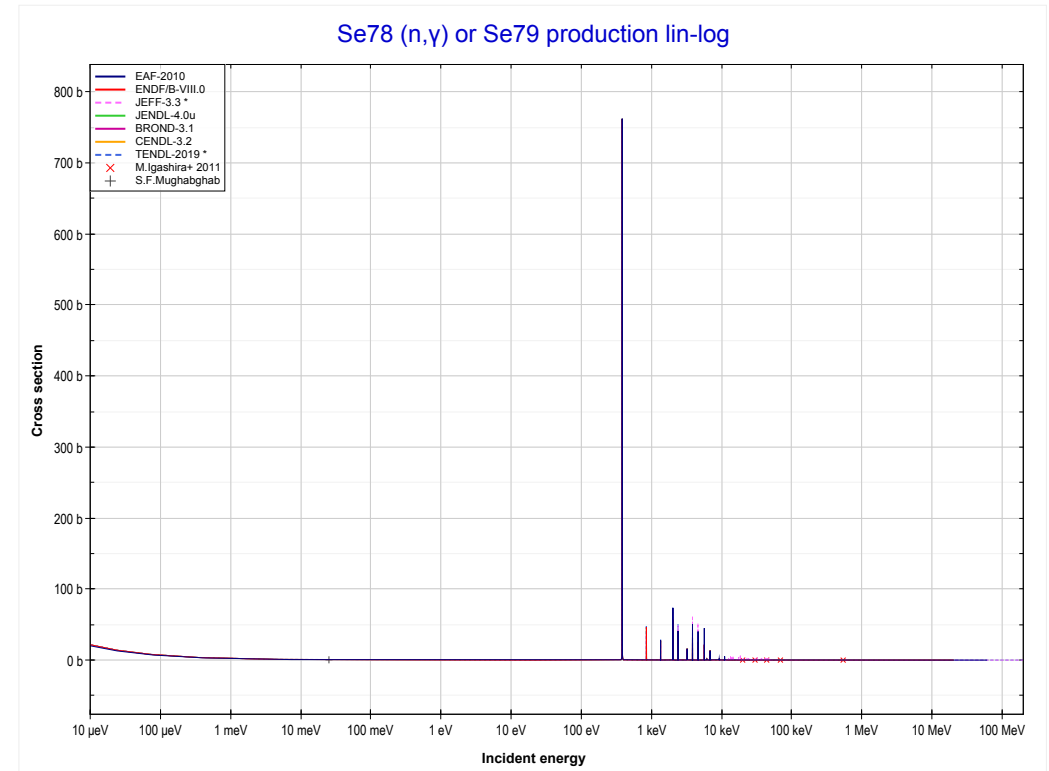
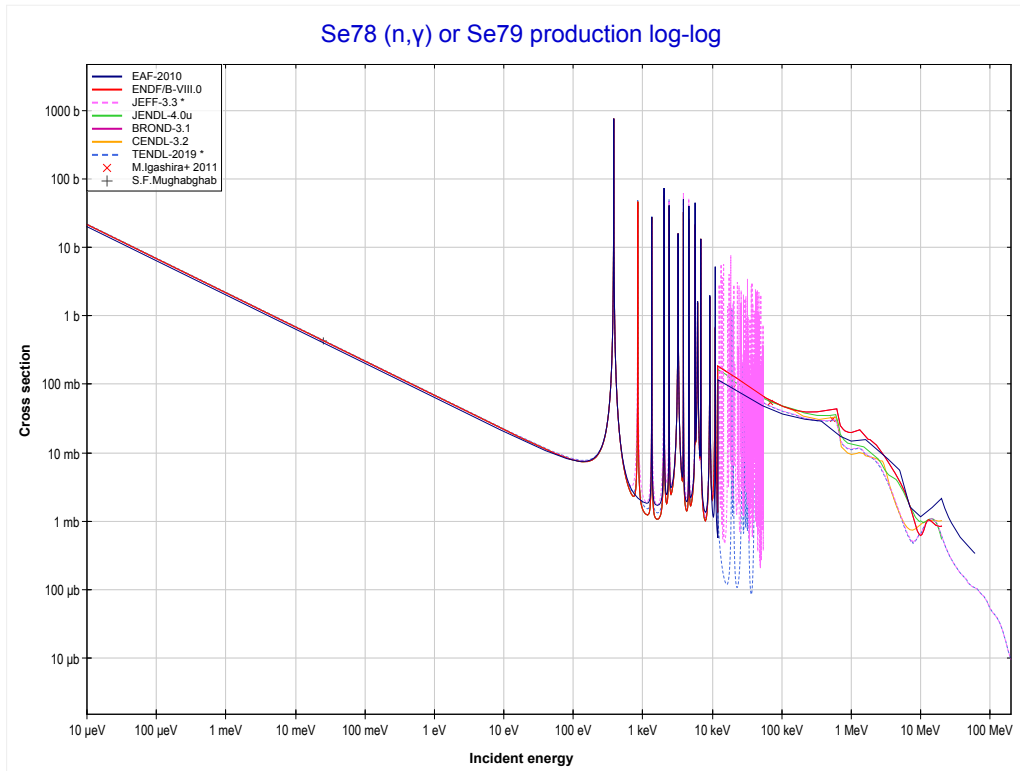
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.954814 b | 0.250198 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20338 b | 0.763351 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.15058 b | 0.737132 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.954814 b | 0.250198 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10344 b | 0.758696 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20486 b | 0.763441 b |

| | | |
|---------------|---|-------------------------|
| << 34-Se-76 | 34-Se-78 | 34-Se-80 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Se77 production) | MT102 (n, γ) >> |



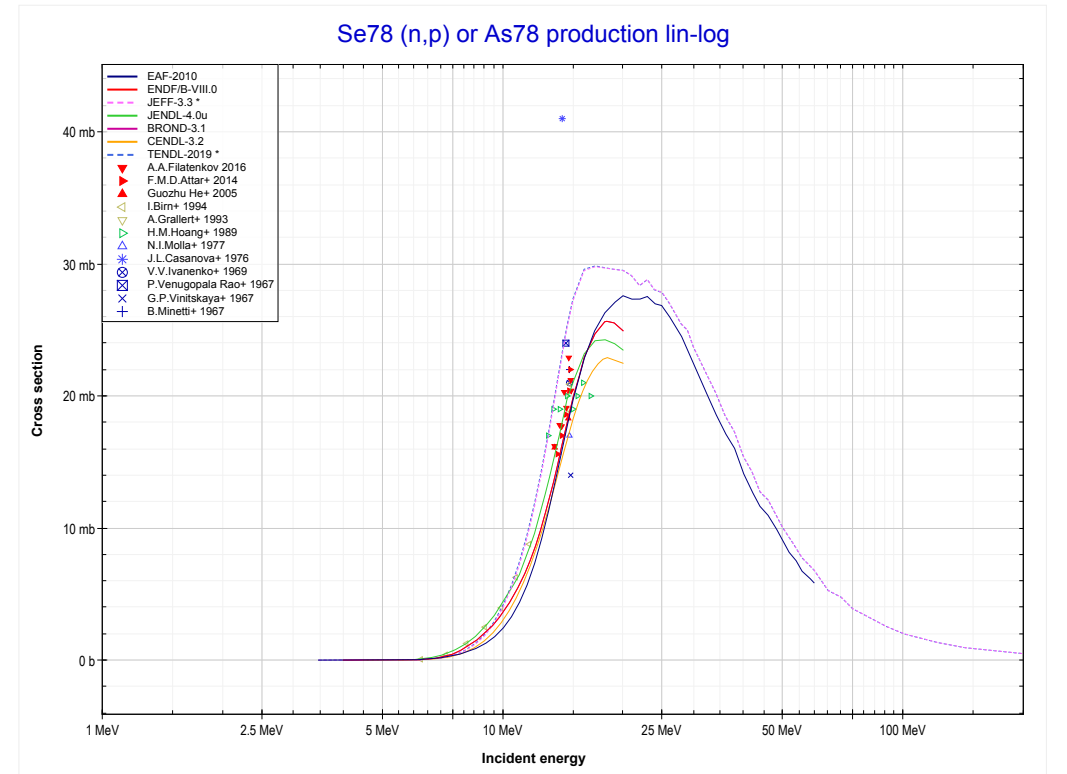
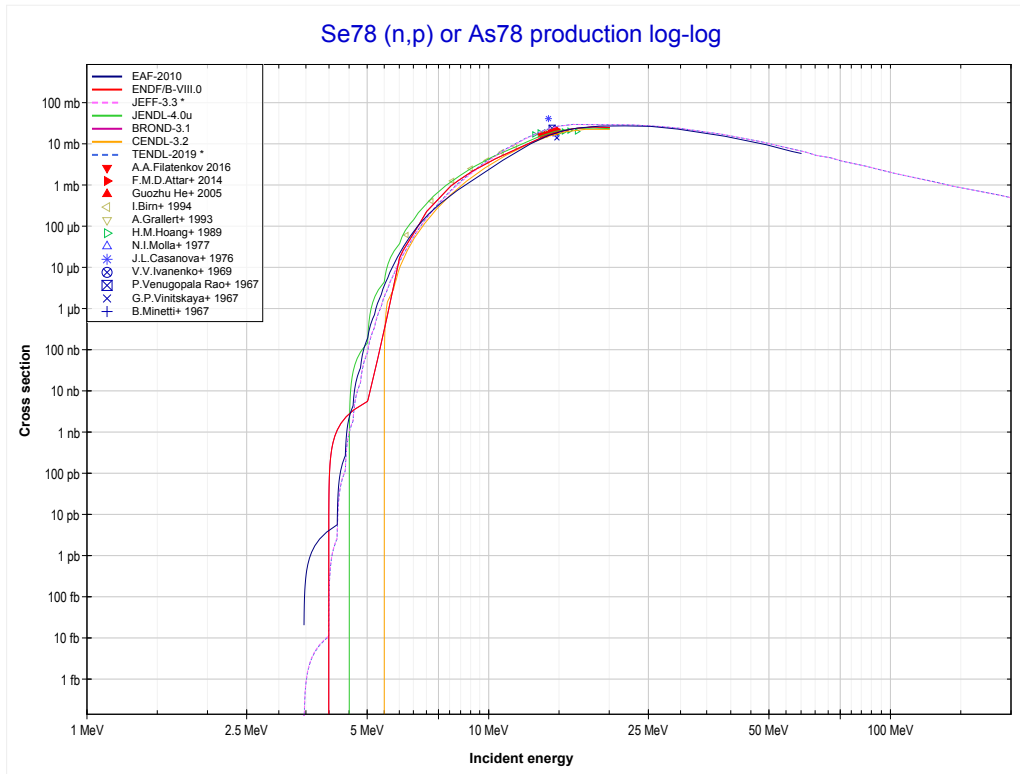
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38566E-4 b | 0.997834 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79059E-4 b | 0.943446 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.03796E-4 b | 1.003 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38566E-4 b | 0.997834 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.41523E-4 b | 0.952862 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79379E-4 b | 0.944799 b |

| | | |
|----------------|---|----------------|
| << 34-Se-77 | 34-Se-78 | 34-Se-80 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Se79 production) | MT103 (n,p) >> |



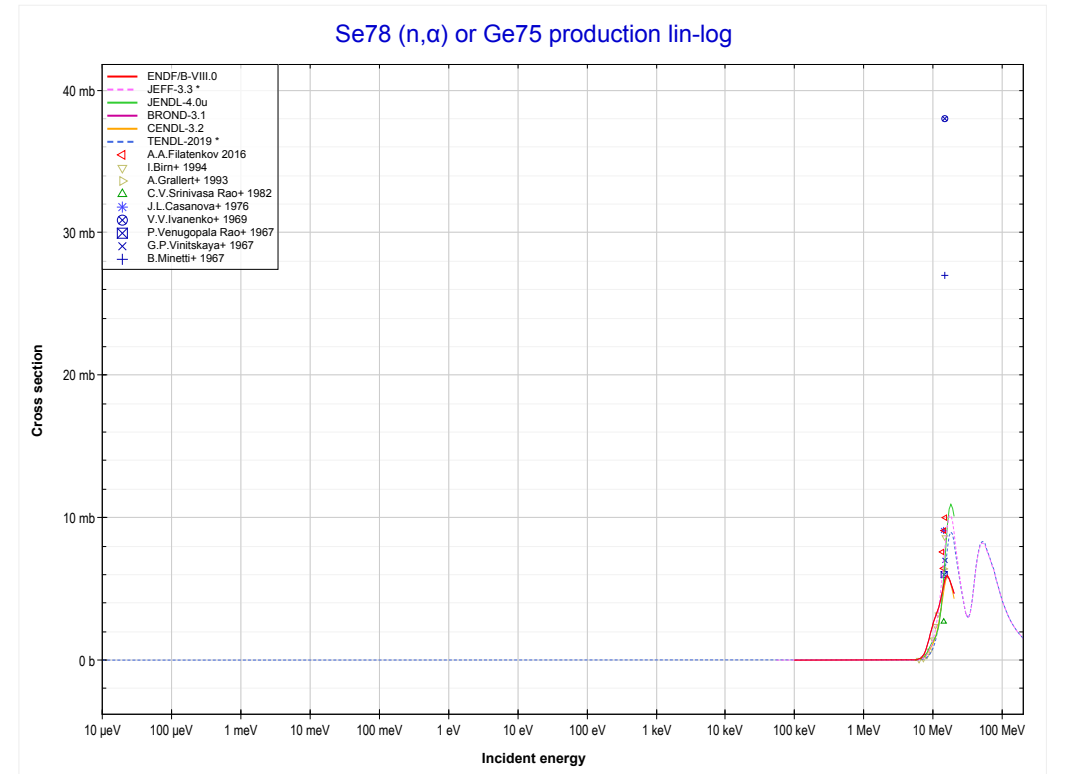
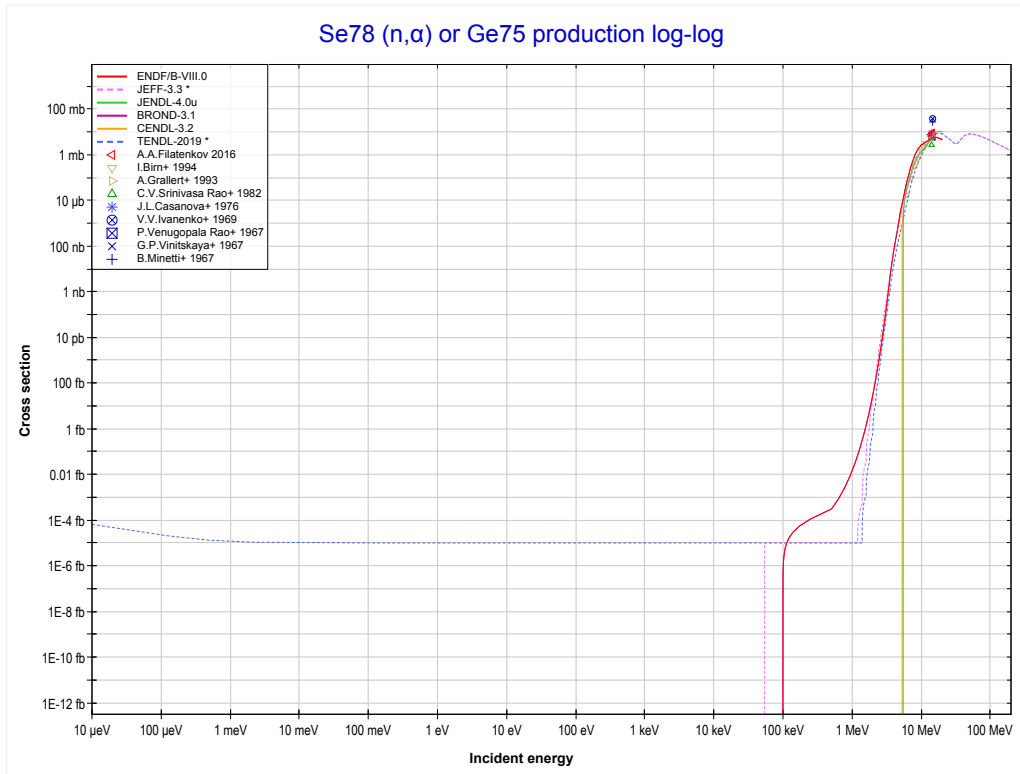
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.400493 b | 0.400193 b | 0.4001 b | 0.99976 | 4.51409 b | 0.0150433 b | 0.00152051 b |
| ENDF/B-VIII.0 | 0.430123 b | 0.430123 b | 0.43029 b | 1.00038 | 4.63017 b | 0.0197337 b | 0.001015 b |
| JEFF-3.3 | 0.428023 b | 0.428023 b | 0.42819 b | 1.00038 | 4.65187 b | 0.0125797 b | 0.00109151 b |
| JENDL-4.0u | 0.430123 b | 0.430123 b | 0.43029 b | 1.00038 | 4.60735 b | 0.0150543 b | 0.001075 b |
| BROND-3.1 | 0.430123 b | 0.430123 b | 0.43029 b | 1.00038 | 4.63017 b | 0.0197337 b | 0.001015 b |
| CENDL-3.2 | 0.429999 b | 0.429999 b | 0.43003 b | 1.00006 | 4.62954 b | 0.0130216 b | 0.00102807 b |
| TENDL-2019 | 0.437748 b | 0.437748 b | 0.43778 b | 1.00007 | 4.55976 b | 0.0122166 b | 0.00109 b |

| | | |
|-------------------------|---|-------------------------|
| << 34-Se-77 | 34-Se-78 | 34-Se-80 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (As78 production) | MT107 (n, α) >> |



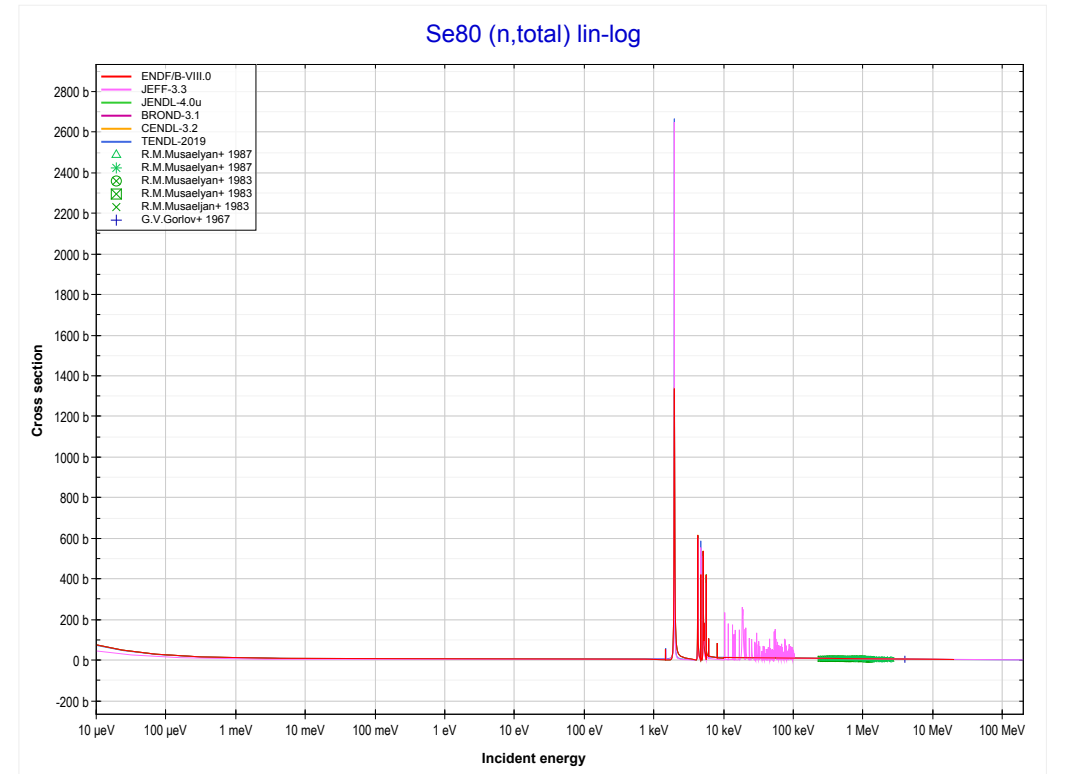
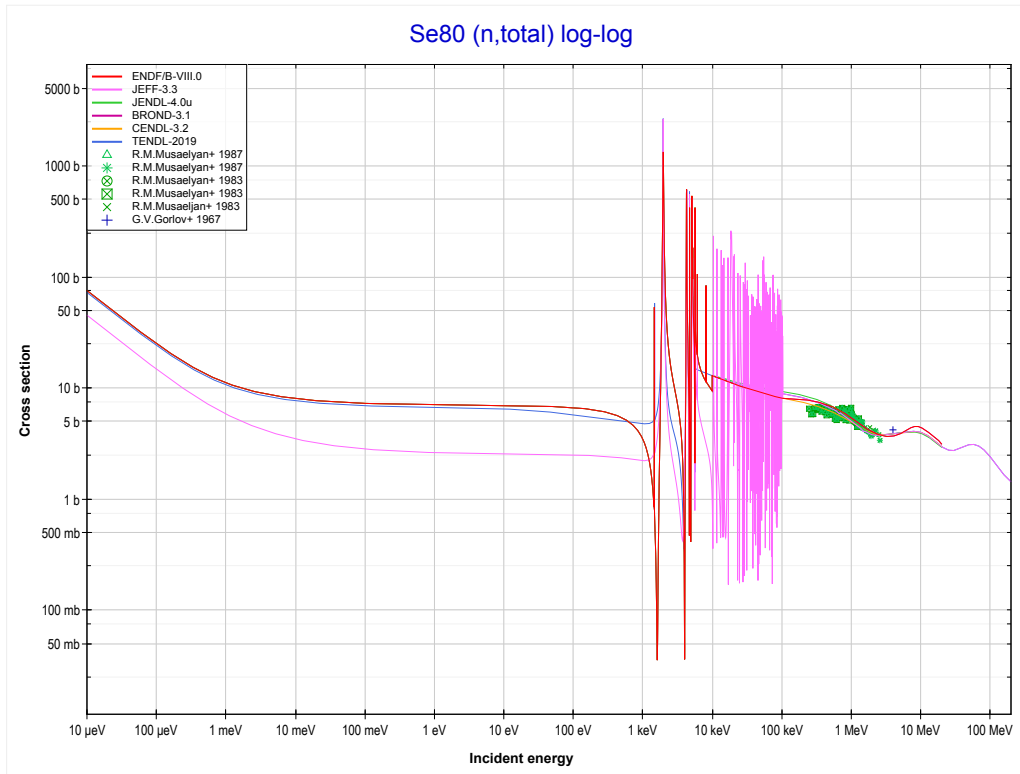
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22461E-5 b | 0.0155643 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.94854E-5 b | 0.0159955 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.18977E-5 b | 0.0225842 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.69228E-5 b | 0.01759 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.94854E-5 b | 0.0159955 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.37422E-5 b | 0.014965 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2959E-5 b | 0.0228016 b |

| | | |
|----------------|---|---------------------------|
| << 34-Se-77 | 34-Se-78 | 34-Se-80 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ge75 production) | 34-Se-80 MT1 (n,total) >> |



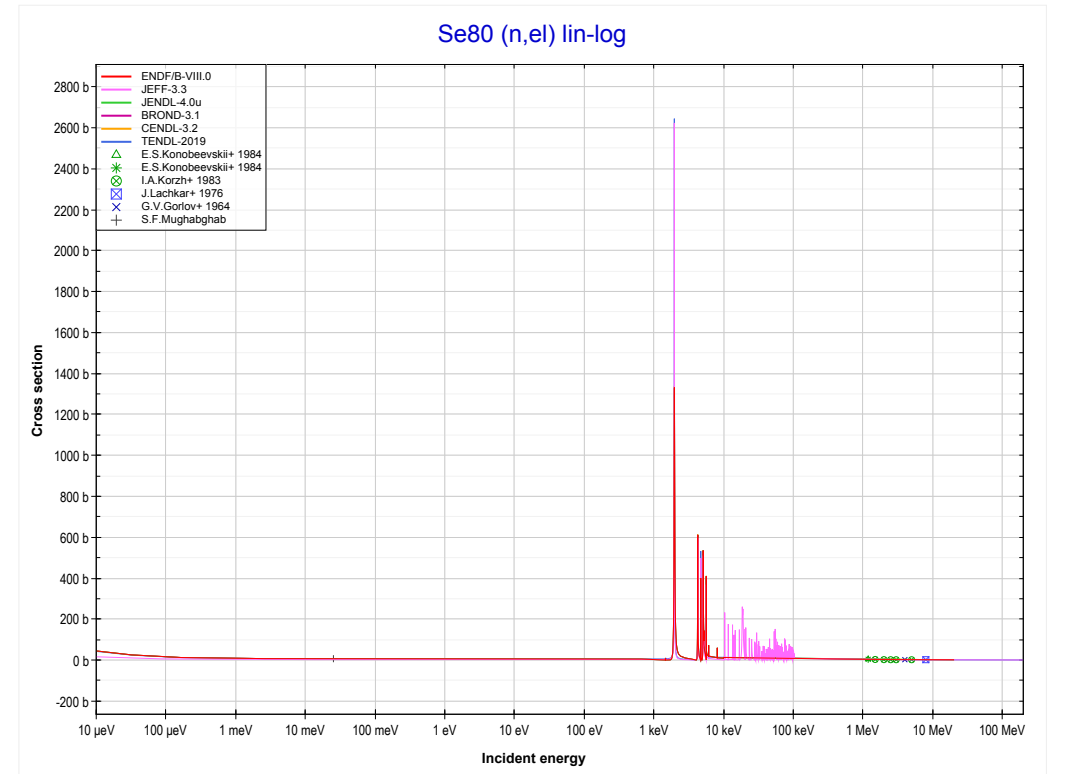
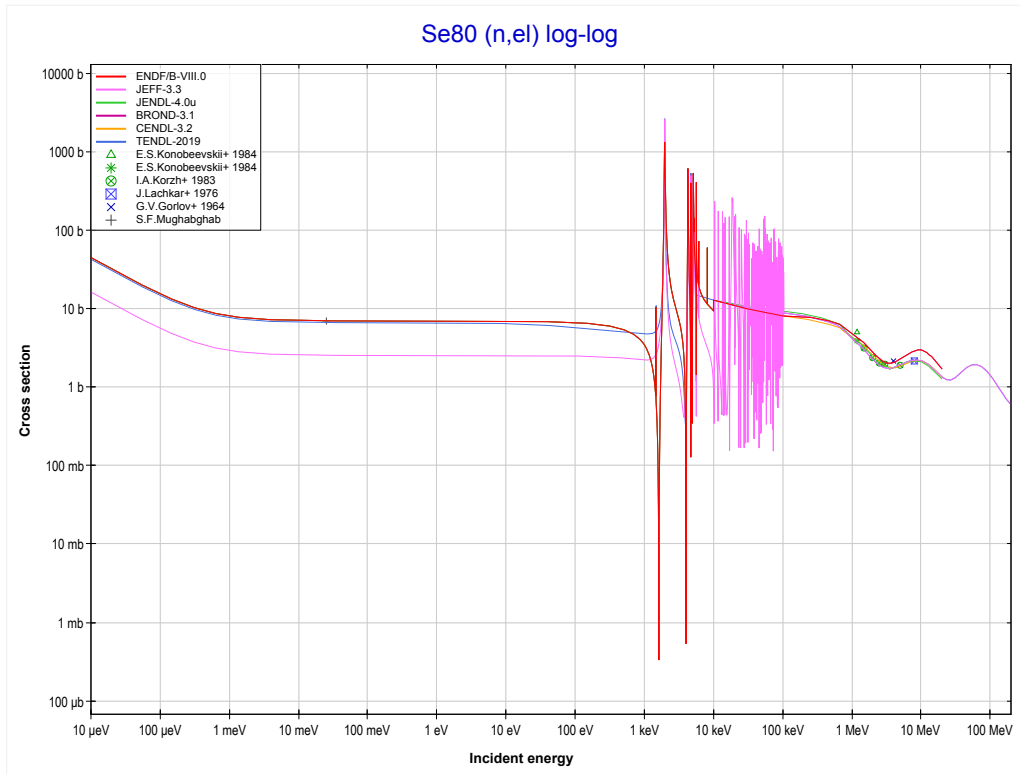
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.50752E-31 b | 2.16884E-5 b | 0.00515872 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 6.08238E-21 b | 1.24244E-5 b | 0.00666743 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.26452E-5 b | 0.005453 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.50752E-31 b | 2.16884E-5 b | 0.00515872 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09028E-5 b | 0.00464257 b |
| TENDL-2019 | 1.0065E-20 b | 1.0065E-20 b | 1.1358E-20 b | 1.12842 | 1.22074E-19 b | 7.3415E-6 b | 0.0050664 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 34-Se-78 | 34-Se-80 | 34-Se-82 >> |
| << 34-Se-78 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



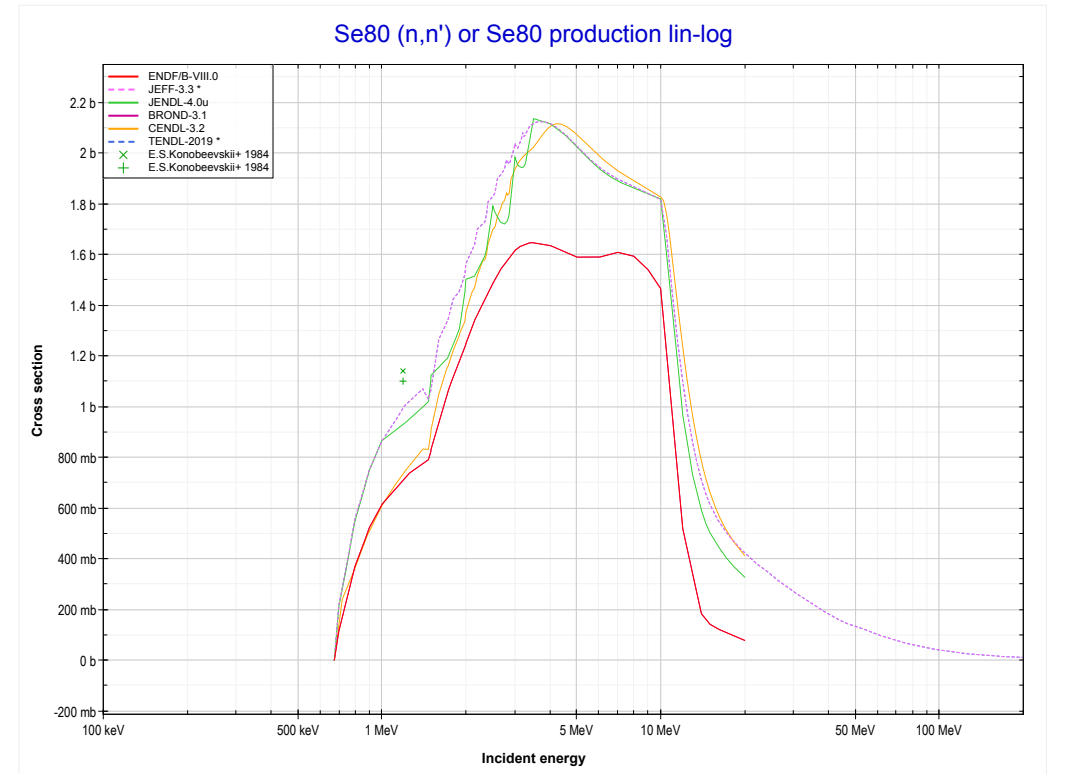
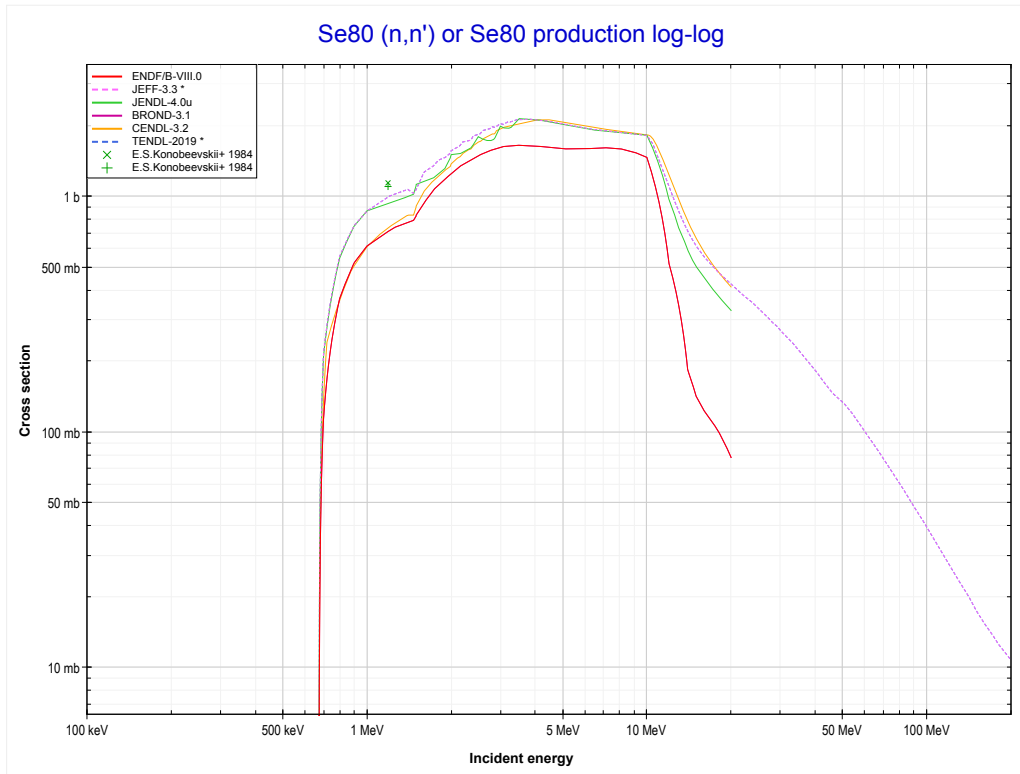
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.60403 b | 7.60403 b | 8.5019 b | 1.11808 | 167.04 b | 4.9931 b | 3.84152 b |
| JEFF-3.3 | 3.11868 b | 3.11868 b | 3.4451 b | 1.10468 | 140.168 b | 5.00297 b | 3.57554 b |
| JENDL-4.0u | 7.60403 b | 7.60403 b | 8.5019 b | 1.11808 | 168.765 b | 4.99021 b | 3.494 b |
| BROND-3.1 | 7.60403 b | 7.60403 b | 8.5019 b | 1.11808 | 167.04 b | 4.9931 b | 3.84152 b |
| CENDL-3.2 | 7.60386 b | 7.60386 b | 8.502 b | 1.11812 | 167.028 b | 4.76574 b | 3.59123 b |
| TENDL-2019 | 7.24637 b | 7.24637 b | 8.1001 b | 1.11781 | 158.312 b | 4.86202 b | 3.57555 b |

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|------------------|------------------------|---------------|
| << 34-Se-78 | 34-Se-80 | 34-Se-82 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



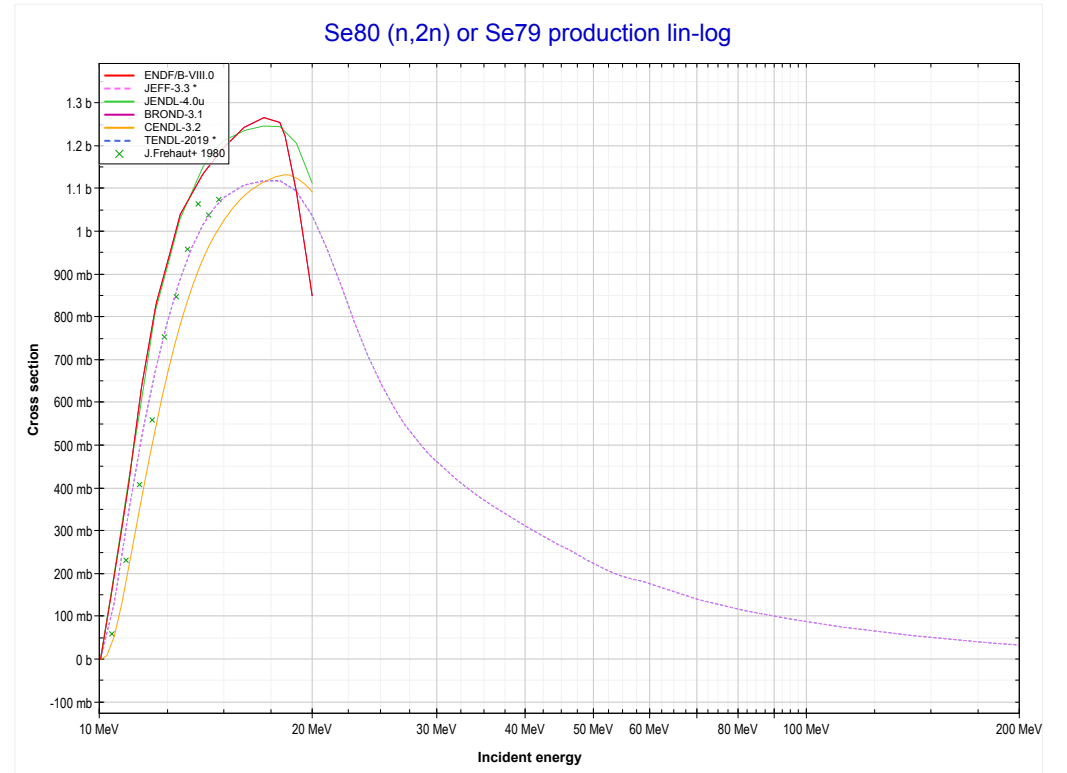
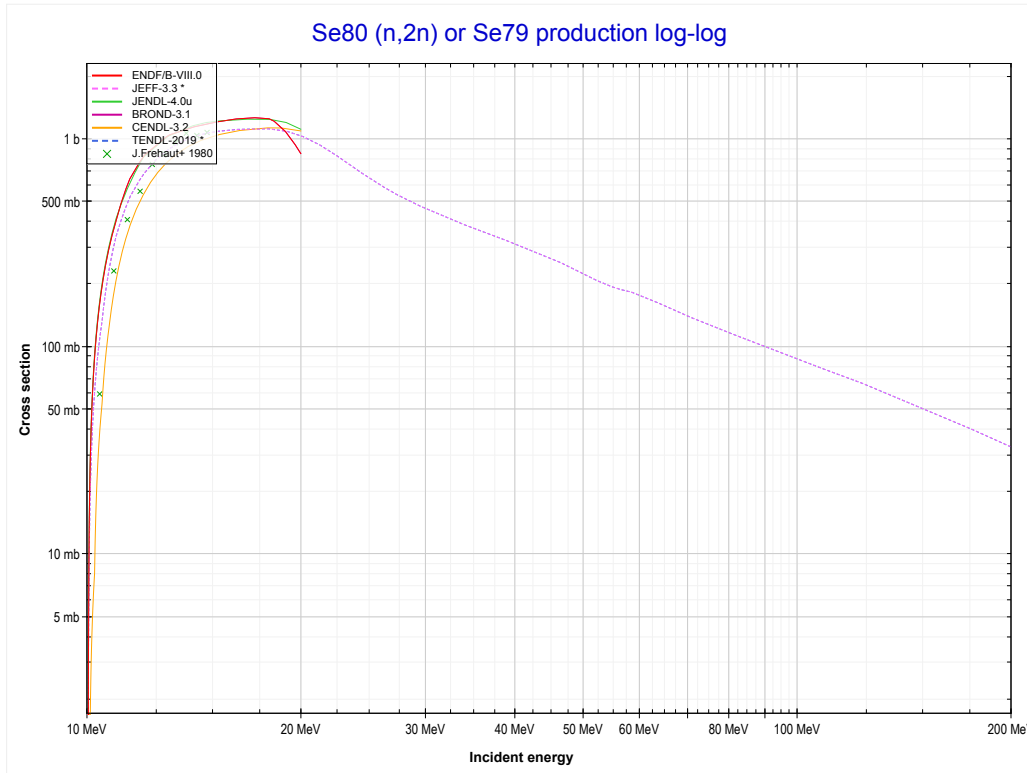
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.99386 b | 6.99386 b | 7.8915 b | 1.12835 | 166.11 b | 4.0759 b | 2.49839 b |
| JEFF-3.3 | 2.54169 b | 2.54169 b | 2.8679 b | 1.12836 | 139.023 b | 3.82714 b | 1.83614 b |
| JENDL-4.0u | 6.99386 b | 6.99386 b | 7.8915 b | 1.12835 | 167.84 b | 3.869 b | 1.7385 b |
| BROND-3.1 | 6.99386 b | 6.99386 b | 7.8915 b | 1.12835 | 166.11 b | 4.0759 b | 2.49839 b |
| CENDL-3.2 | 6.99386 b | 6.99386 b | 7.892 b | 1.12842 | 166.078 b | 3.70481 b | 1.85264 b |
| TENDL-2019 | 6.65179 b | 6.65179 b | 7.5056 b | 1.12836 | 157.182 b | 3.68641 b | 1.83614 b |

| | | |
|--------------------|--|----------------|
| << 34-Se-78 | 34-Se-80 | 34-Se-82 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Se80 production) | MT16 (n,2n) >> |



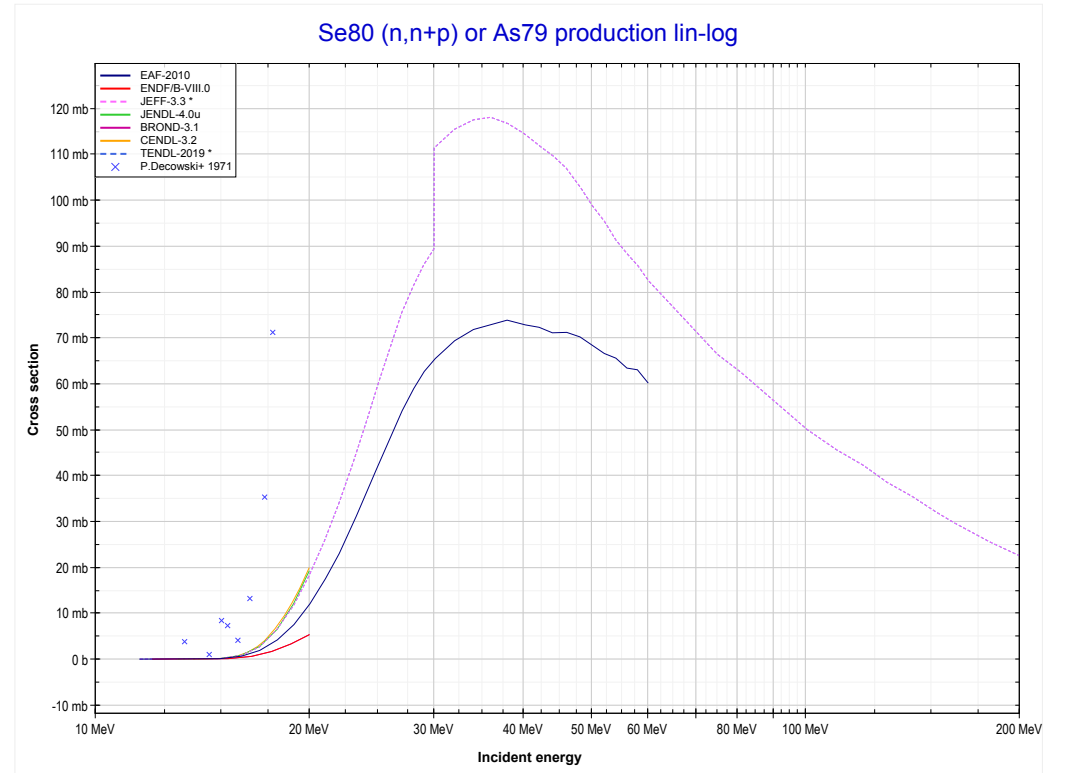
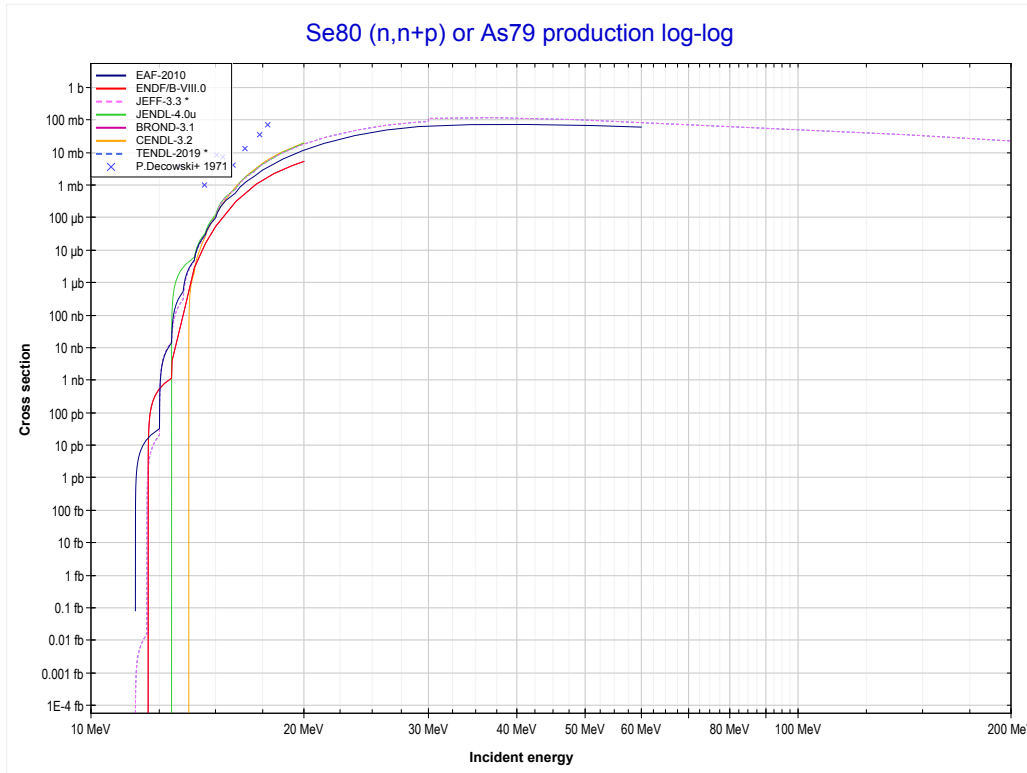
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.908269 b | 0.18293 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16659 b | 0.710492 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.11453 b | 0.591225 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.908269 b | 0.18293 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05322 b | 0.785051 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16663 b | 0.710297 b |

| | | |
|---------------|---|-----------------|
| << 34-Se-78 | 34-Se-80 | 34-Se-82 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Se79 production) | MT28 (n,n+p) >> |



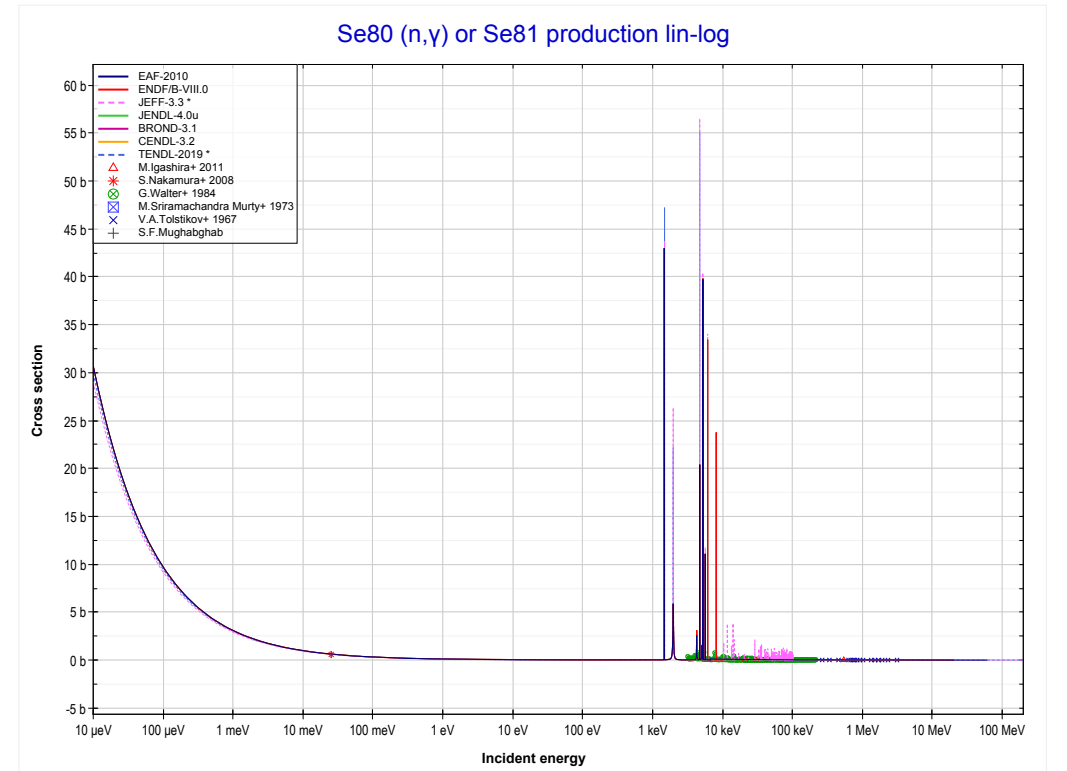
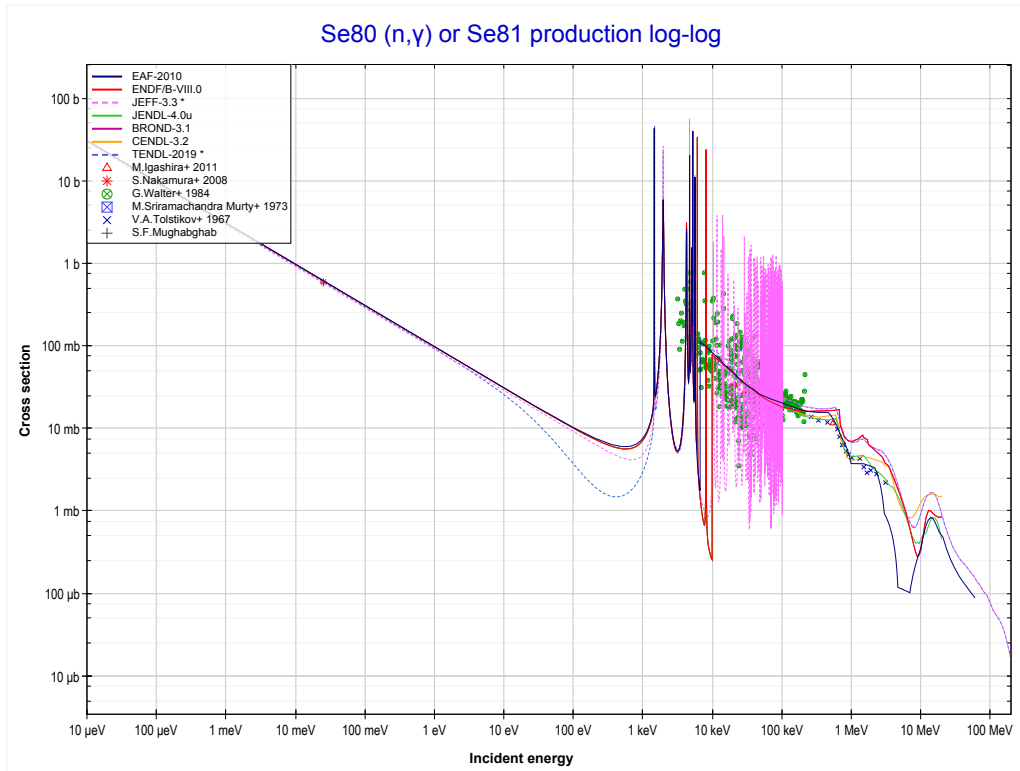
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.70542E-4 b | 1.13284 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.08702E-4 b | 1.01334 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.6789E-4 b | 1.149 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.70542E-4 b | 1.13284 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.26102E-4 b | 0.933898 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.09396E-4 b | 1.01403 b |

| | | |
|----------------|--|-------------------------|
| << 32-Ge-74 | 34-Se-80 | 38-Sr-87 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (As79 production) | MT102 (n, γ) >> |



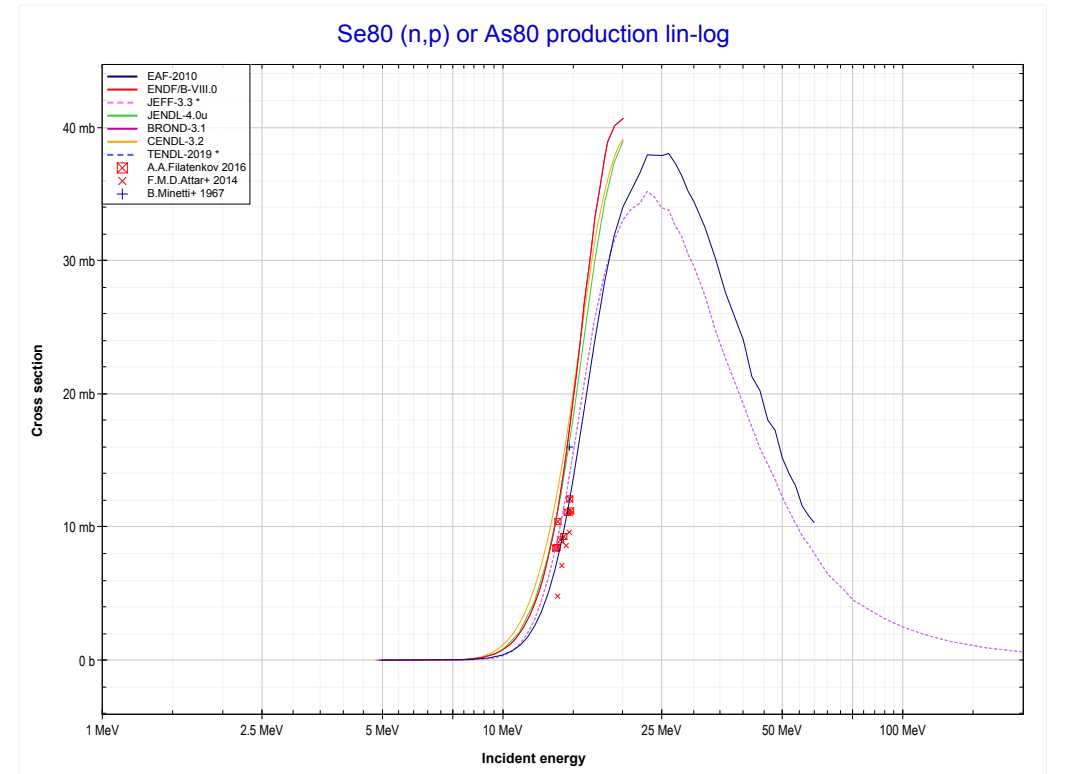
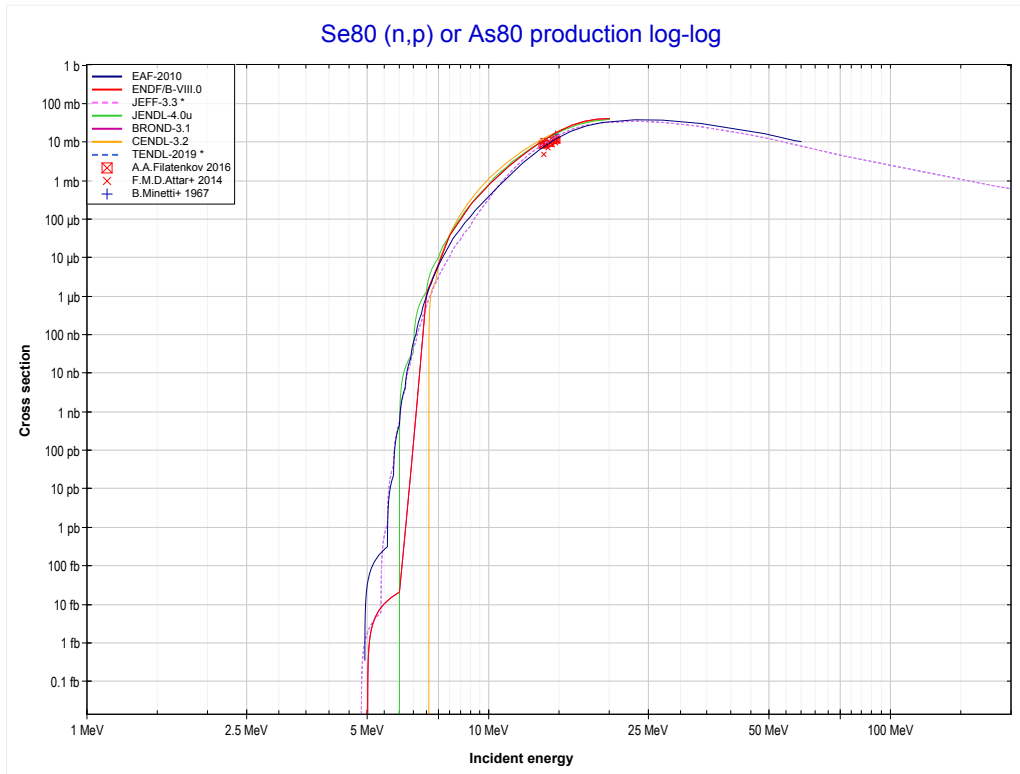
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.93797E-8 b | 2.85334E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21831E-7 b | 4.62004E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.25434E-7 b | 5.931E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.93797E-8 b | 2.85334E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30689E-7 b | 2.0143E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21926E-7 b | 4.62906E-6 b |

| | | |
|-----------------|---|----------------|
| << 34-Se-78 | 34-Se-80 | 34-Se-82 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Se81 production) | MT103 (n,p) >> |



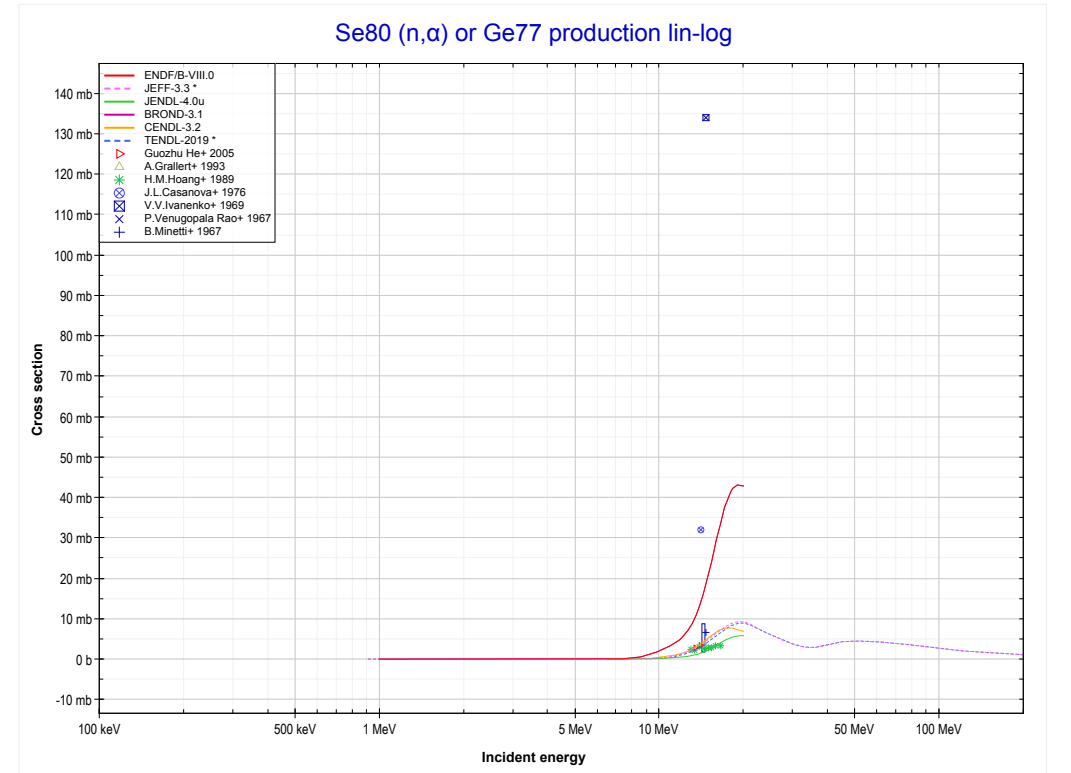
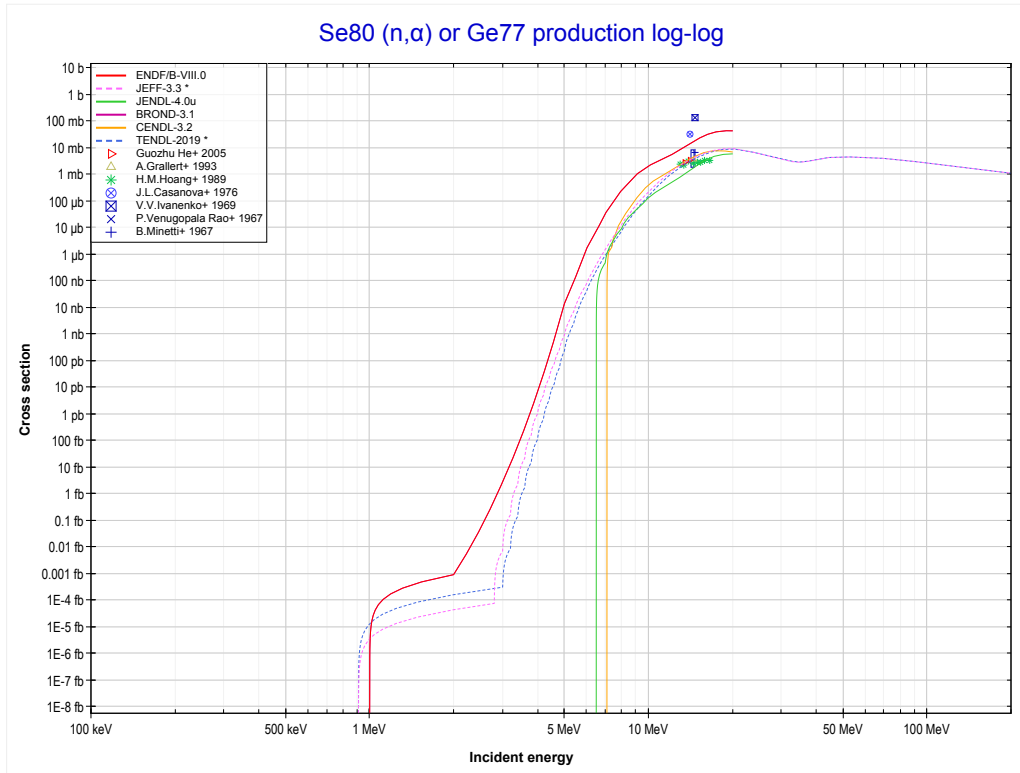
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.610776 b | 0.610318 b | 0.61015 b | 0.99973 | 0.914166 b | 0.00550639 b | 8.33E-4 b |
| ENDF/B-VIII.0 | 0.610174 b | 0.610174 b | 0.6104 b | 1.00038 | 0.930453 b | 0.00793475 b | 0.0010018 b |
| JEFF-3.3 | 0.57699 b | 0.57699 b | 0.57721 b | 1.00037 | 1.14484 b | 0.00842493 b | 0.00166581 b |
| JENDL-4.0u | 0.610174 b | 0.610174 b | 0.6104 b | 1.00038 | 0.924903 b | 0.00569771 b | 7.66E-4 b |
| BROND-3.1 | 0.610174 b | 0.610174 b | 0.6104 b | 1.00038 | 0.930453 b | 0.00793475 b | 0.0010018 b |
| CENDL-3.2 | 0.609997 b | 0.609997 b | 0.61003 b | 1.00006 | 0.929682 b | 0.0061466 b | 0.00156306 b |
| TENDL-2019 | 0.594581 b | 0.594581 b | 0.5945 b | 0.99986 | 1.12858 b | 0.00835258 b | 0.00166488 b |

| | | |
|-------------------------|---|-------------------------|
| << 34-Se-78 | 34-Se-80 | 35-Br-76 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (As80 production) | MT107 (n, α) >> |



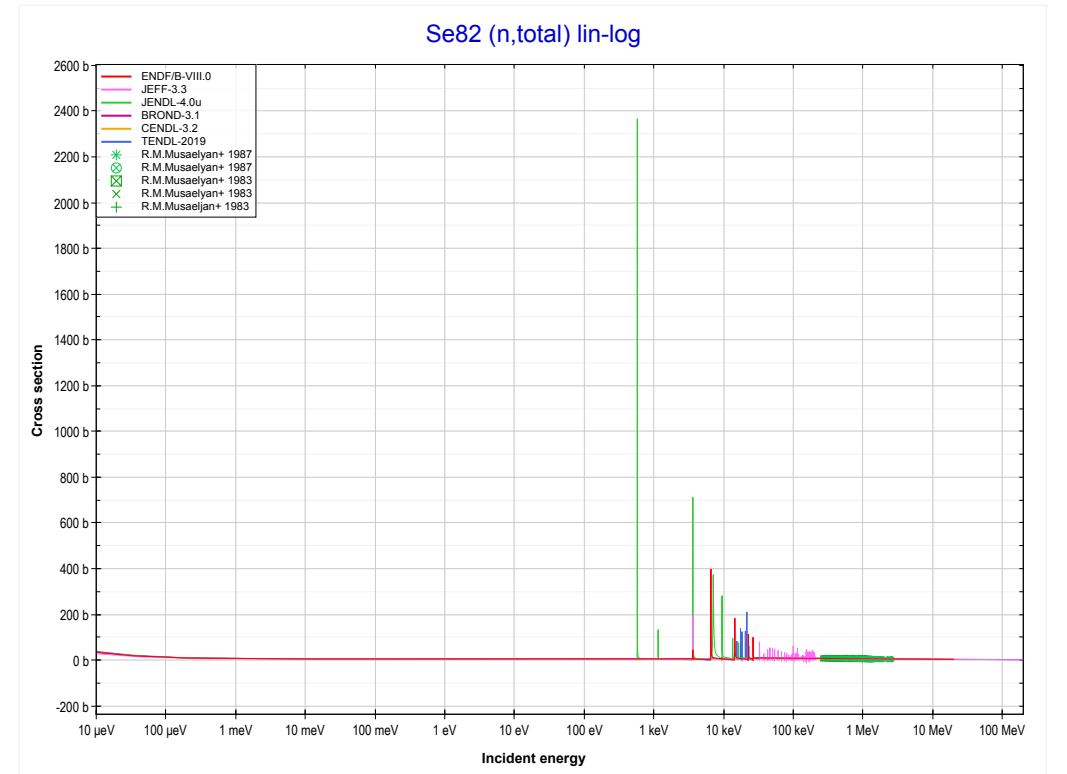
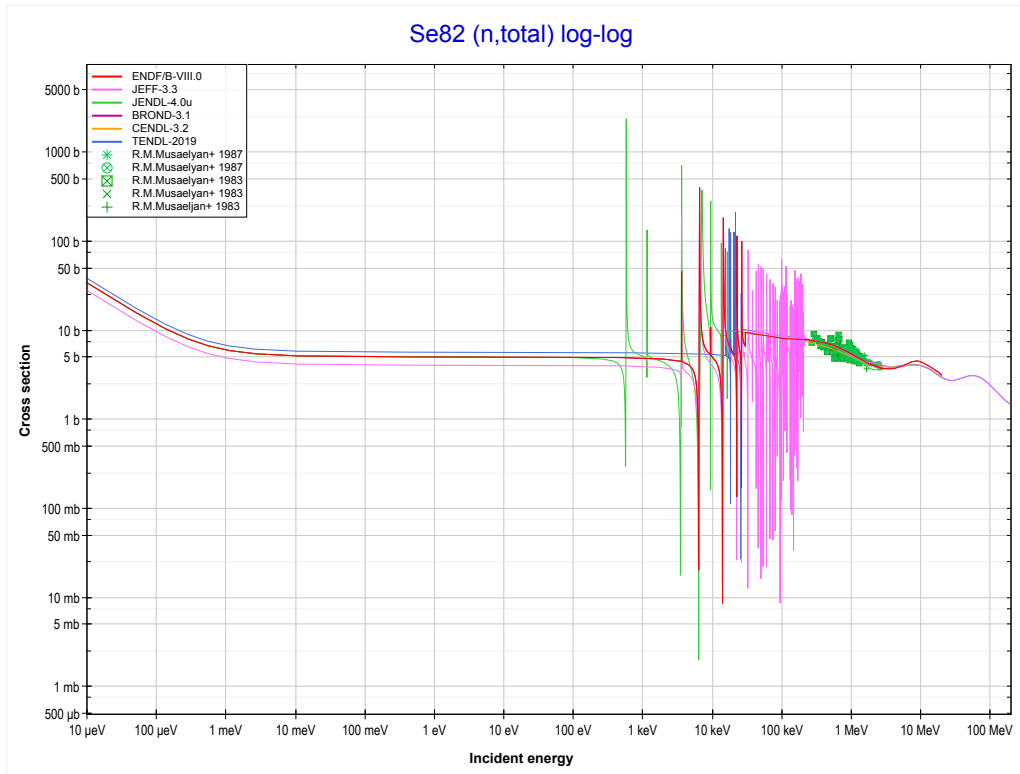
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.60886E-6 b | 0.00871396 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.99404E-6 b | 0.012846 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.05182E-6 b | 0.010347 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.25743E-6 b | 0.01245 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.99404E-6 b | 0.012846 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10478E-5 b | 0.0141961 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.05221E-6 b | 0.0103478 b |

| | | |
|----------------|---|---------------------------|
| << 34-Se-78 | 34-Se-80 | 35-Br-79 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ge77 production) | 34-Se-82 MT1 (n,total) >> |



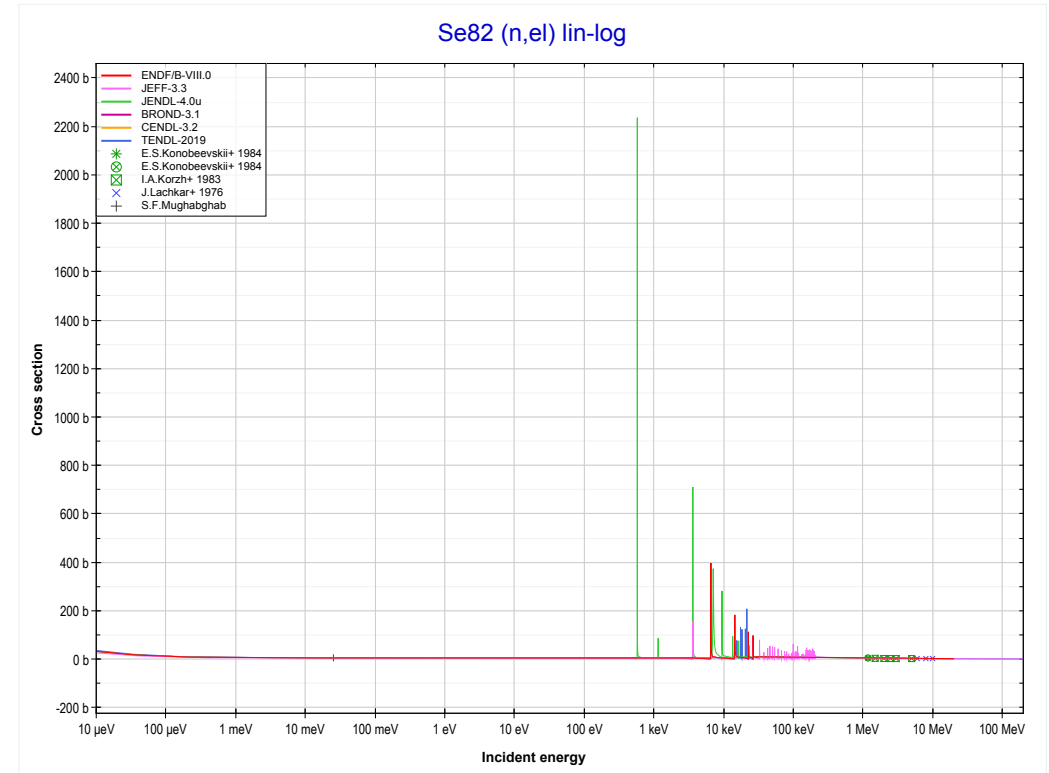
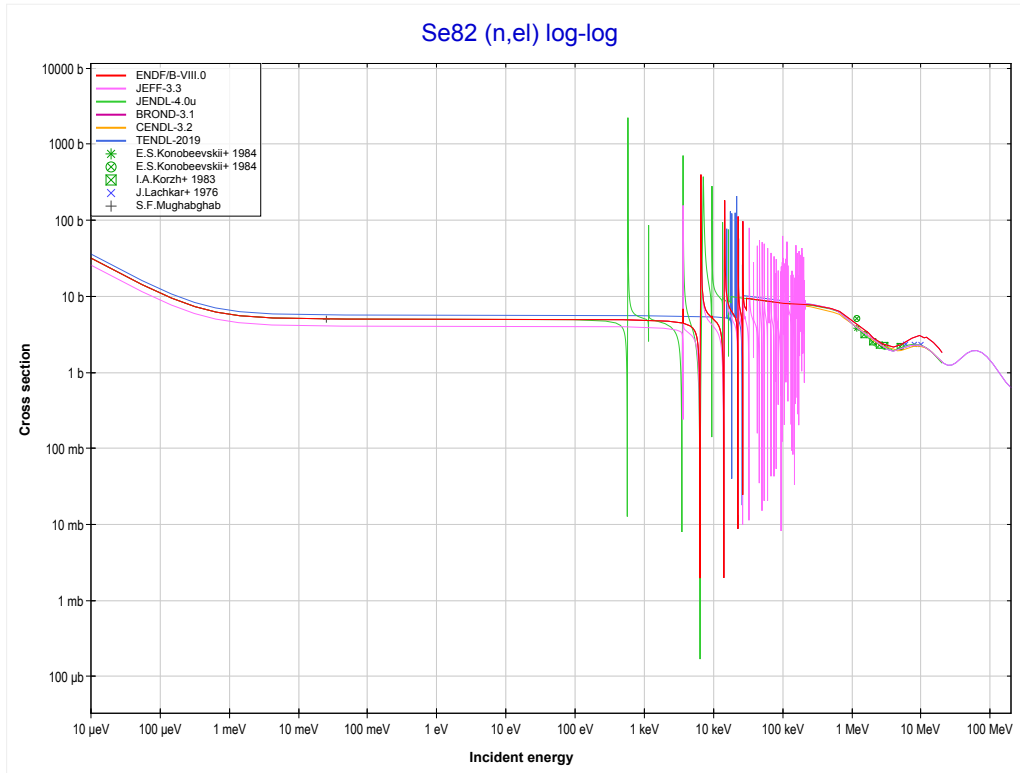
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56538E-5 b | 0.0134985 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.5212E-6 b | 0.00341599 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.2084E-6 b | 0.001354 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56538E-5 b | 0.0134985 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17316E-6 b | 0.00367446 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01649E-6 b | 0.00292988 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 34-Se-80 | 34-Se-82 | 36-Kr-86 >> |
| << 34-Se-80 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



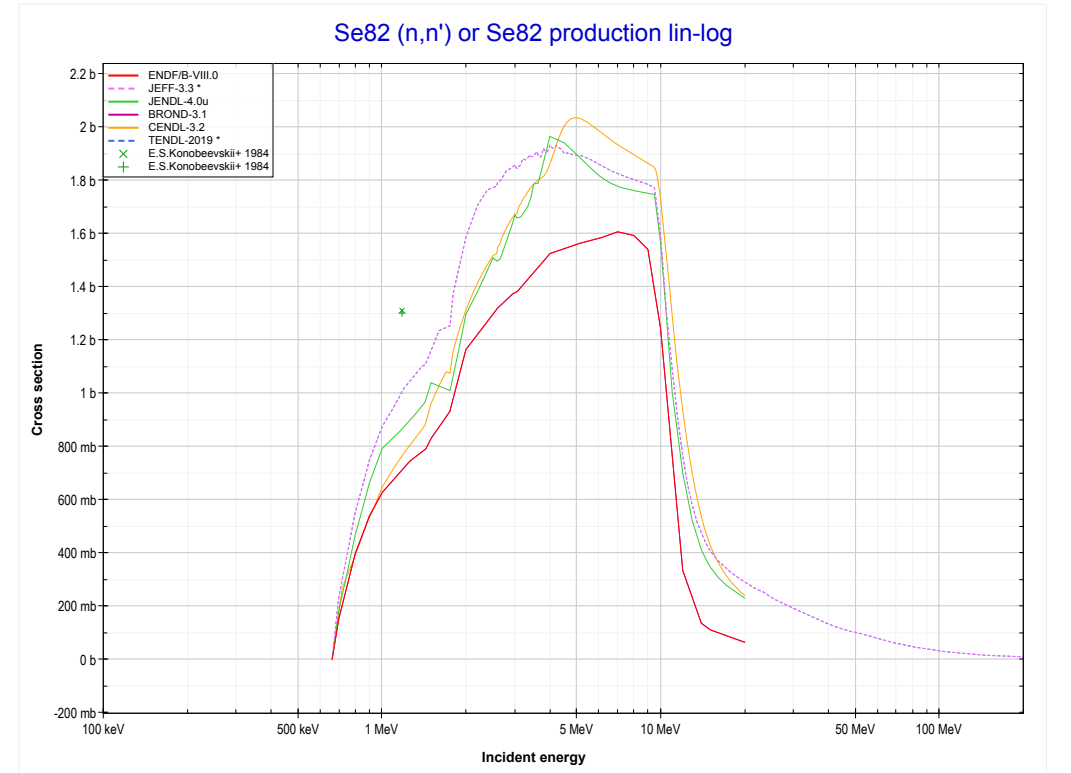
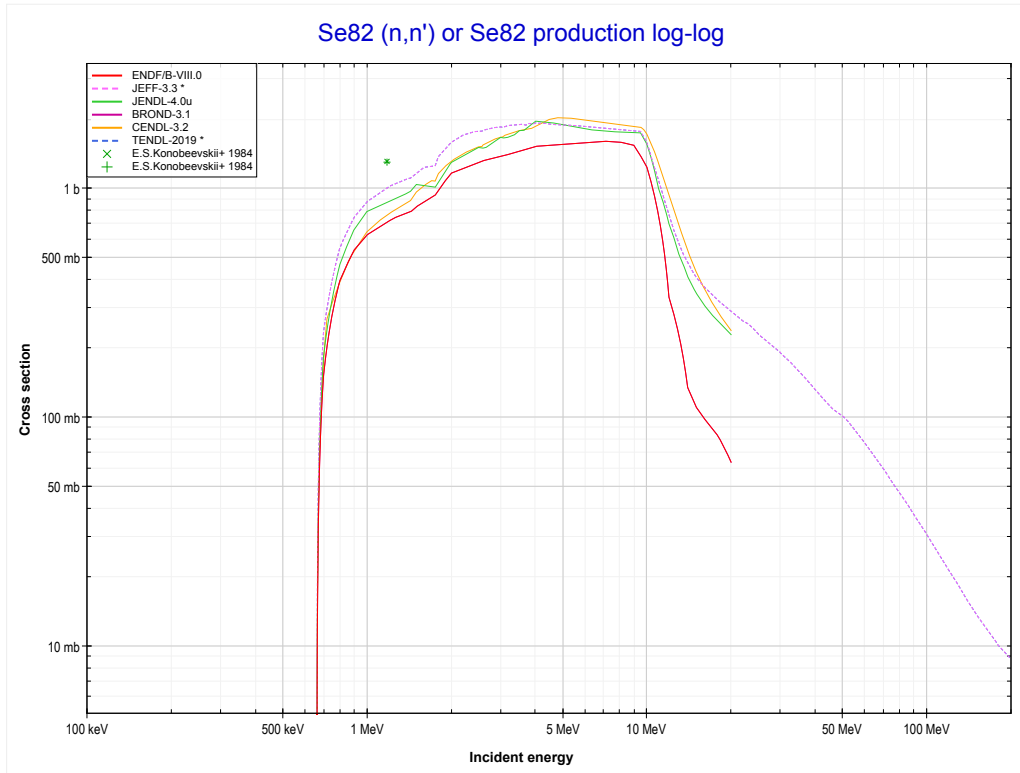
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.07123 b | 5.07123 b | 5.7165 b | 1.12724 | 72.8941 b | 4.98024 b | 3.84138 b |
| JEFF-3.3 | 4.10379 b | 4.10379 b | 4.625 b | 1.12699 | 59.7073 b | 5.00161 b | 3.58378 b |
| JENDL-4.0u | 5.07503 b | 5.07503 b | 5.7208 b | 1.12724 | 103.45 b | 4.82086 b | 3.569 b |
| BROND-3.1 | 5.07122 b | 5.07122 b | 5.7165 b | 1.12724 | 72.8941 b | 4.98024 b | 3.84138 b |
| CENDL-3.2 | 5.07121 b | 5.07121 b | 5.7168 b | 1.1273 | 72.9069 b | 4.79762 b | 3.62914 b |
| TENDL-2019 | 5.72802 b | 5.72802 b | 6.458 b | 1.12745 | 73.8841 b | 5.05072 b | 3.58379 b |

| | | |
|------------------|------------------------|---------------|
| << 34-Se-80 | 34-Se-82 | 36-Kr-86 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



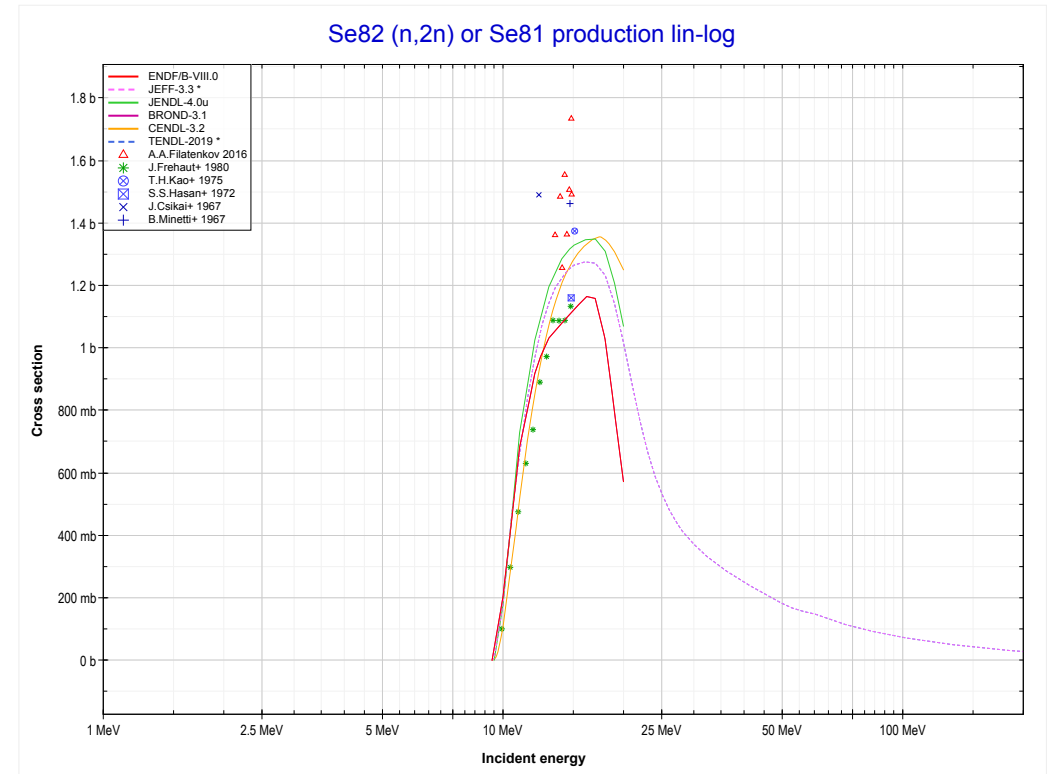
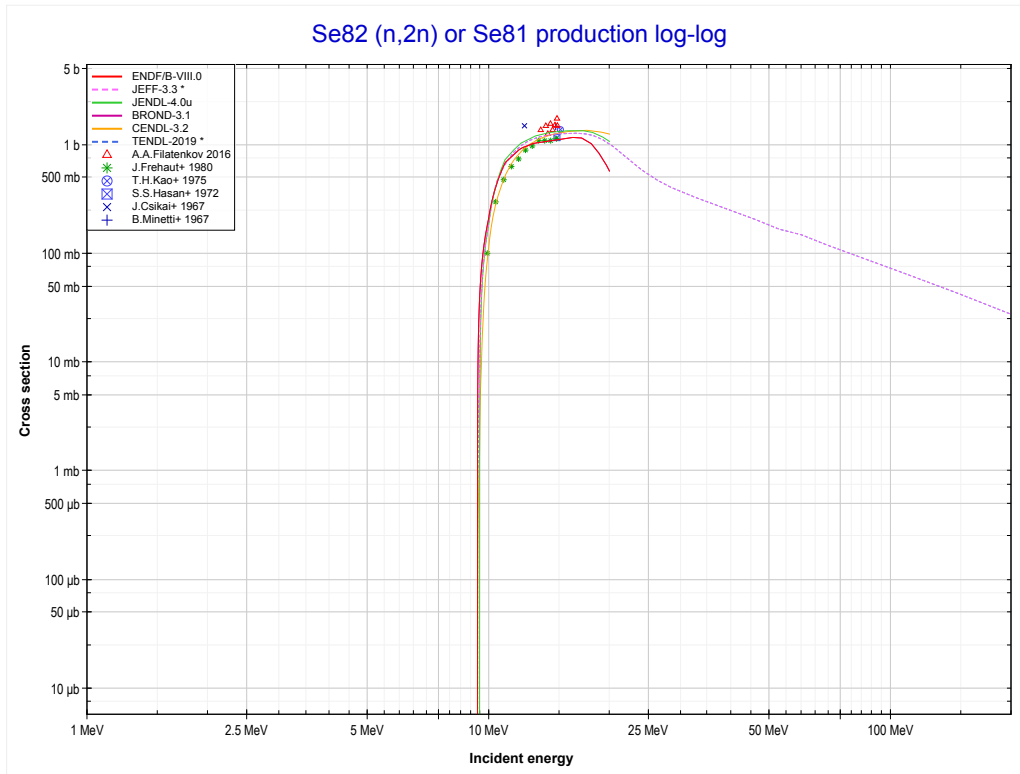
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.0268 b | 5.0268 b | 5.6721 b | 1.12836 | 72.7361 b | 4.12536 b | 2.62525 b |
| JEFF-3.3 | 4.05993 b | 4.05993 b | 4.5811 b | 1.12836 | 59.6043 b | 3.87411 b | 1.88466 b |
| JENDL-4.0u | 5.03081 b | 5.03081 b | 5.6766 b | 1.12836 | 102.749 b | 3.8195 b | 1.8704 b |
| BROND-3.1 | 5.0268 b | 5.0268 b | 5.6721 b | 1.12836 | 72.7361 b | 4.12536 b | 2.62525 b |
| CENDL-3.2 | 5.0268 b | 5.0268 b | 5.6724 b | 1.12843 | 72.7374 b | 3.79808 b | 1.88537 b |
| TENDL-2019 | 5.68419 b | 5.68419 b | 6.4142 b | 1.12843 | 73.8264 b | 3.92334 b | 1.88466 b |

| | | |
|--------------------|--|----------------|
| << 34-Se-80 | 34-Se-82 | 35-Br-79 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Se82 production) | MT16 (n,2n) >> |



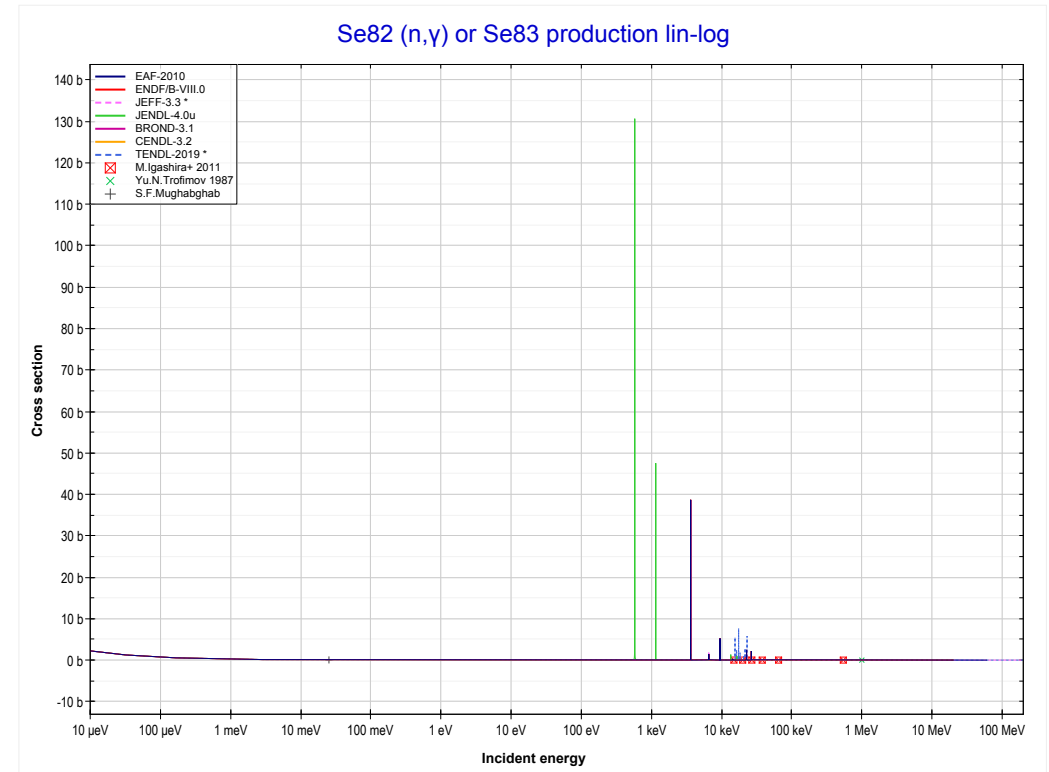
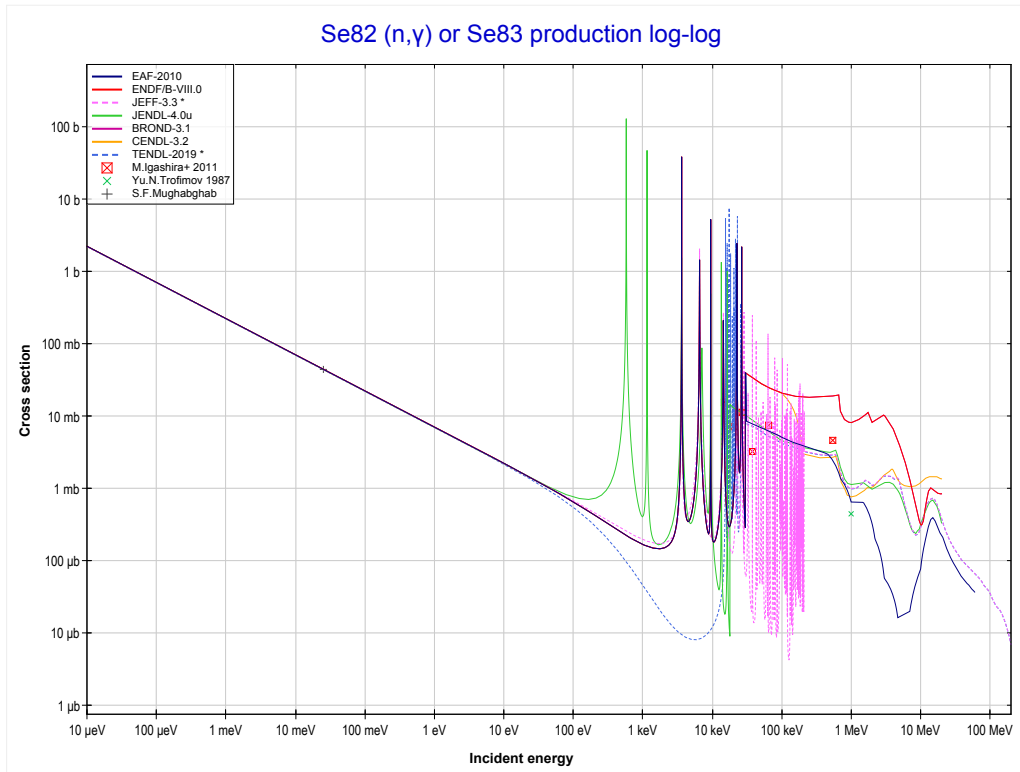
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.842936 b | 0.134426 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12461 b | 0.474453 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.998264 b | 0.410787 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.842936 b | 0.134426 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.995496 b | 0.534037 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12462 b | 0.474339 b |

| | | |
|---------------|---|-------------------------|
| << 34-Se-80 | 34-Se-82 | 35-Br-79 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Se81 production) | MT102 (n, γ) >> |



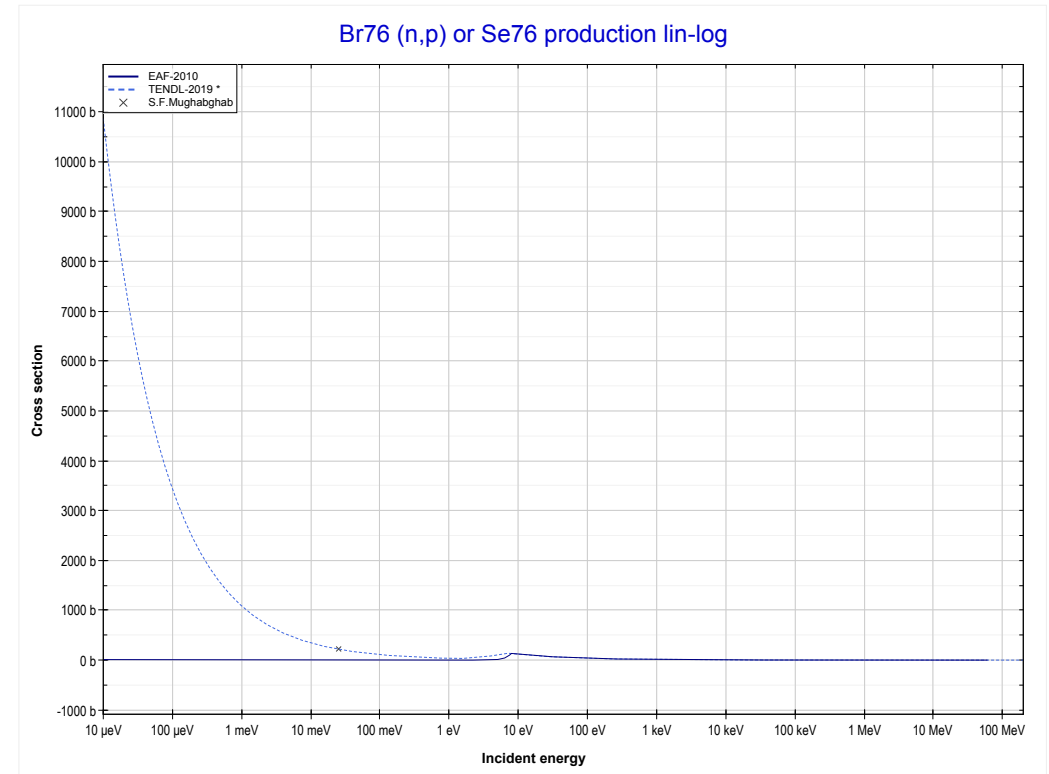
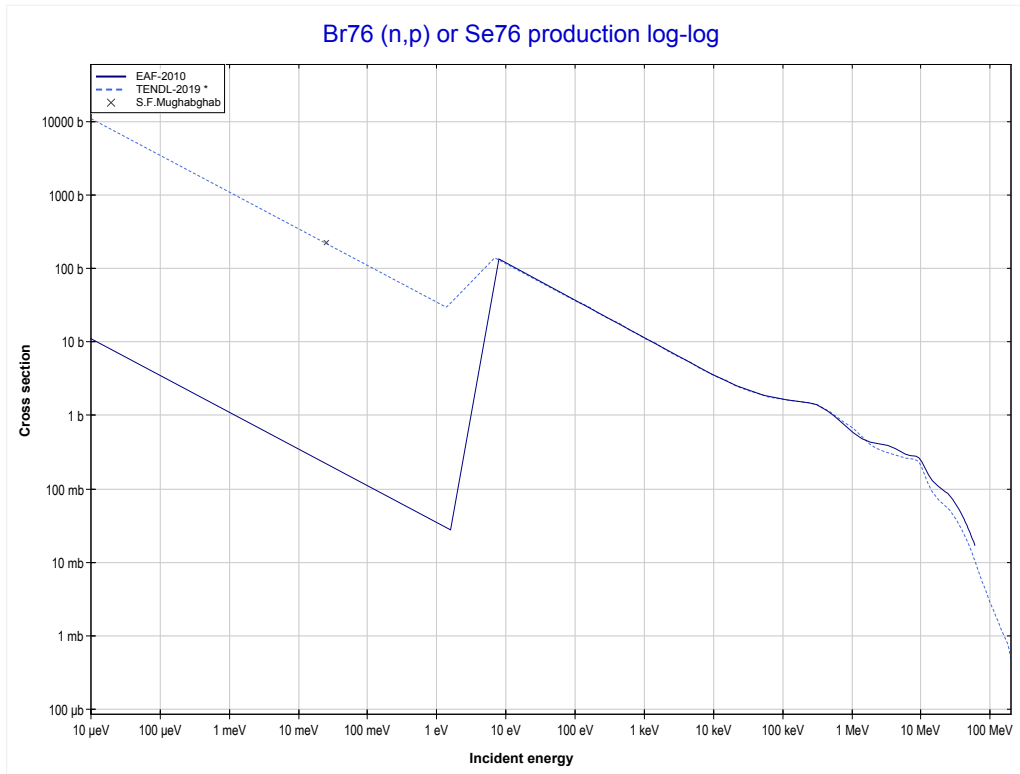
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00140735 b | 1.07882 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00143901 b | 1.22227 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00149677 b | 1.284 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00140735 b | 1.07882 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00118298 b | 1.205 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00143936 b | 1.22242 b |

| | | |
|----------------|---|-------------------------|
| << 34-Se-80 | 34-Se-82 | 35-Br-79 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Se83 production) | 35-Br-76 MT103 (n,p) >> |



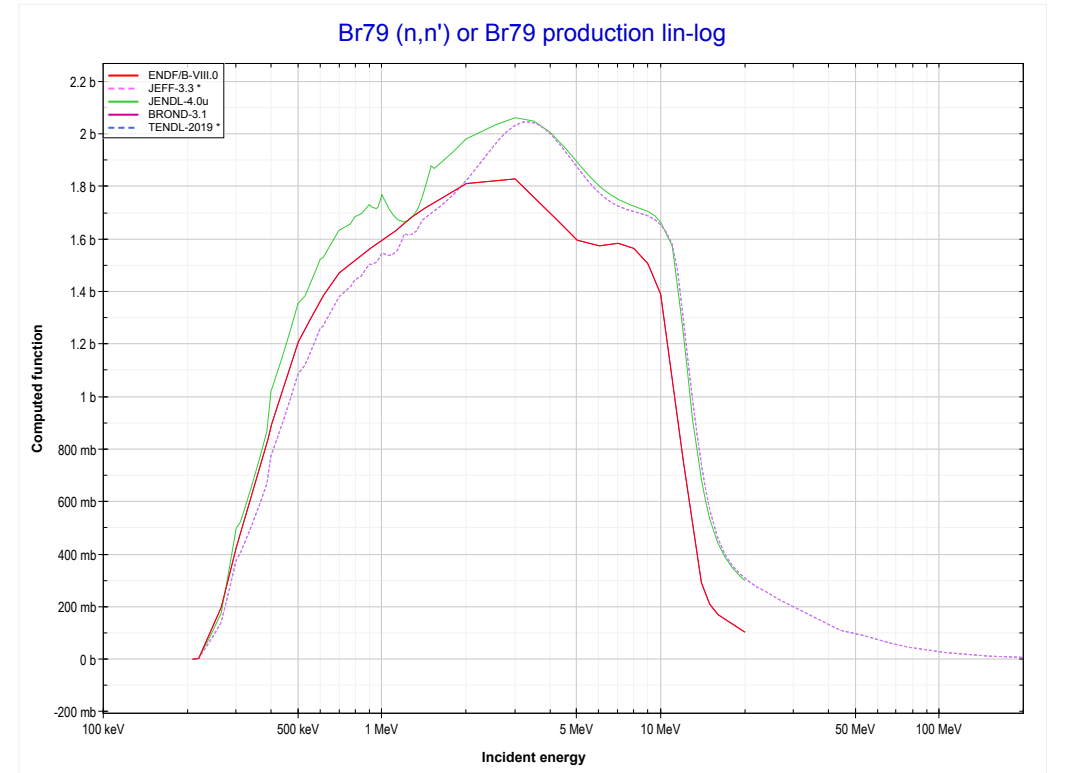
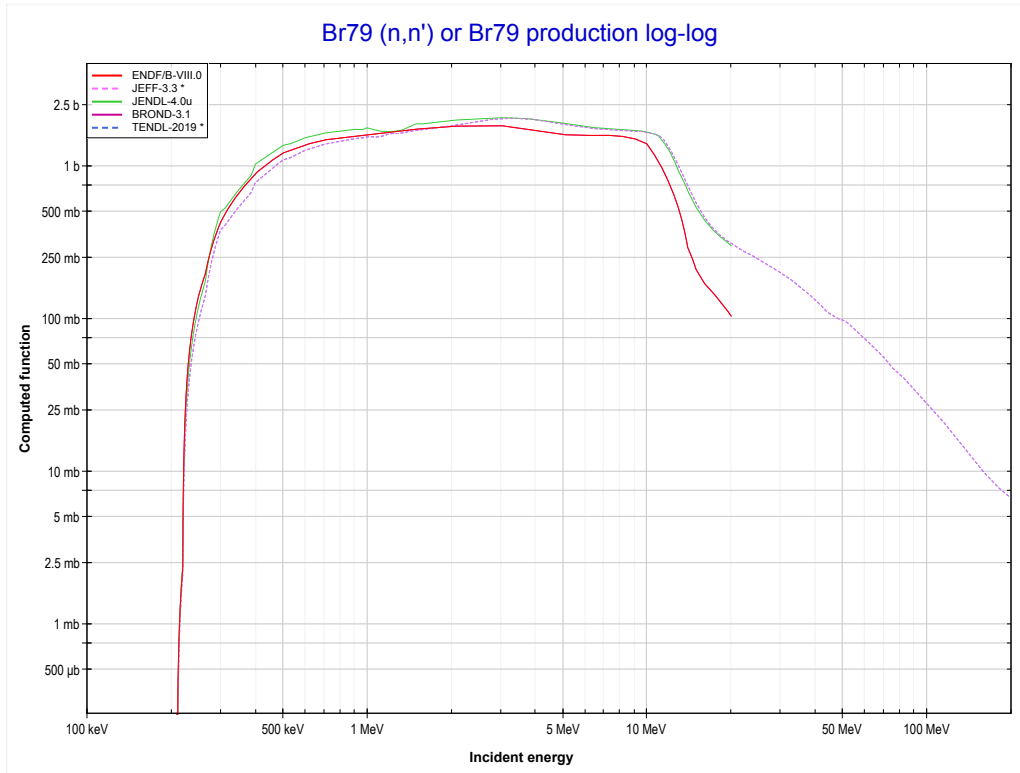
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0444136 b | 0.0443814 b | 0.044383 b | 1.00007 | 0.133319 b | 0.00103884 b | 3.66866E-4 b |
| ENDF/B-VIII.0 | 0.0444253 b | 0.0444253 b | 0.044441 b | 1.00036 | 0.158049 b | 0.010535 b | 0.0010056 b |
| JEFF-3.3 | 0.0438641 b | 0.0438641 b | 0.04388 b | 1.00037 | 0.103037 b | 0.00145341 b | 7.03063E-4 b |
| JENDL-4.0u | 0.0442125 b | 0.0442125 b | 0.044228 b | 1.00035 | 0.700557 b | 0.00159813 b | 6.653E-4 b |
| BROND-3.1 | 0.0444253 b | 0.0444253 b | 0.044441 b | 1.00036 | 0.158049 b | 0.010535 b | 0.0010056 b |
| CENDL-3.2 | 0.0444127 b | 0.0444127 b | 0.044414 b | 1.00004 | 0.157944 b | 0.00200337 b | 0.00143933 b |
| TENDL-2019 | 0.0438367 b | 0.0438367 b | 0.043837 b | 1.00002 | 0.0513937 b | 0.00159868 b | 7.02648E-4 b |

| | | |
|----------------------------------|---|------------------------|
| << 34-Se-80 | 35-Br-76 | 35-Br-79 >> |
| << 34-Se-82 MT102 (n, γ) | MT103 (n,p) or MT5 (Se76 production) | 35-Br-79 MT4 (n,n') >> |



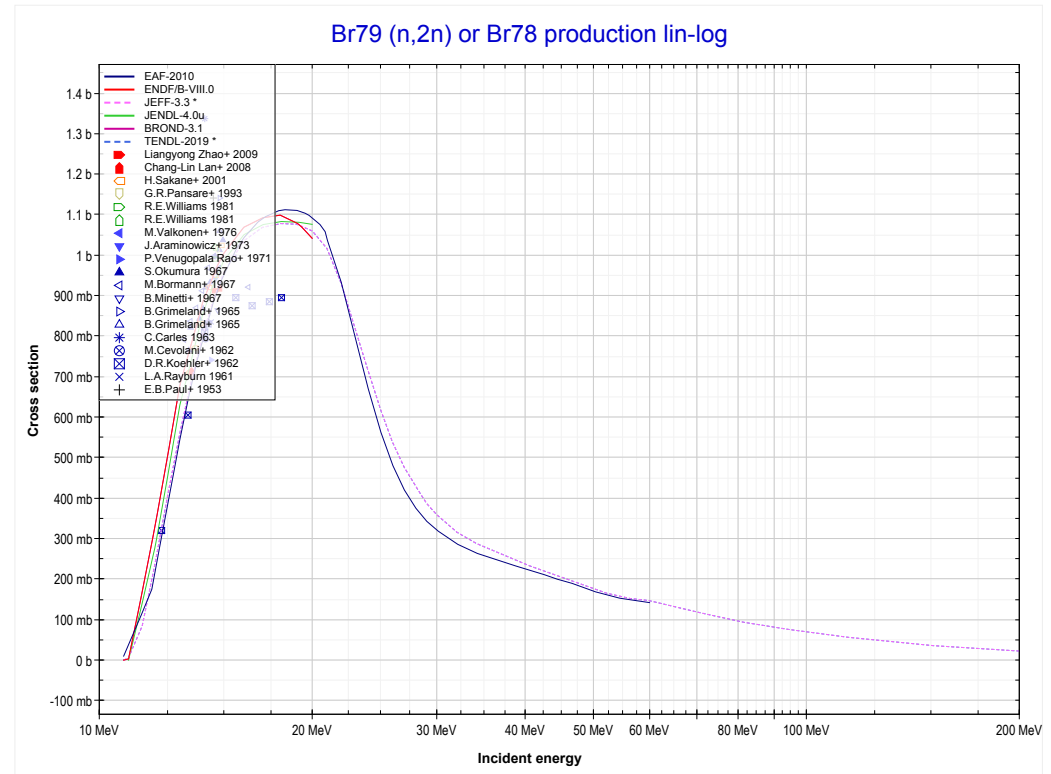
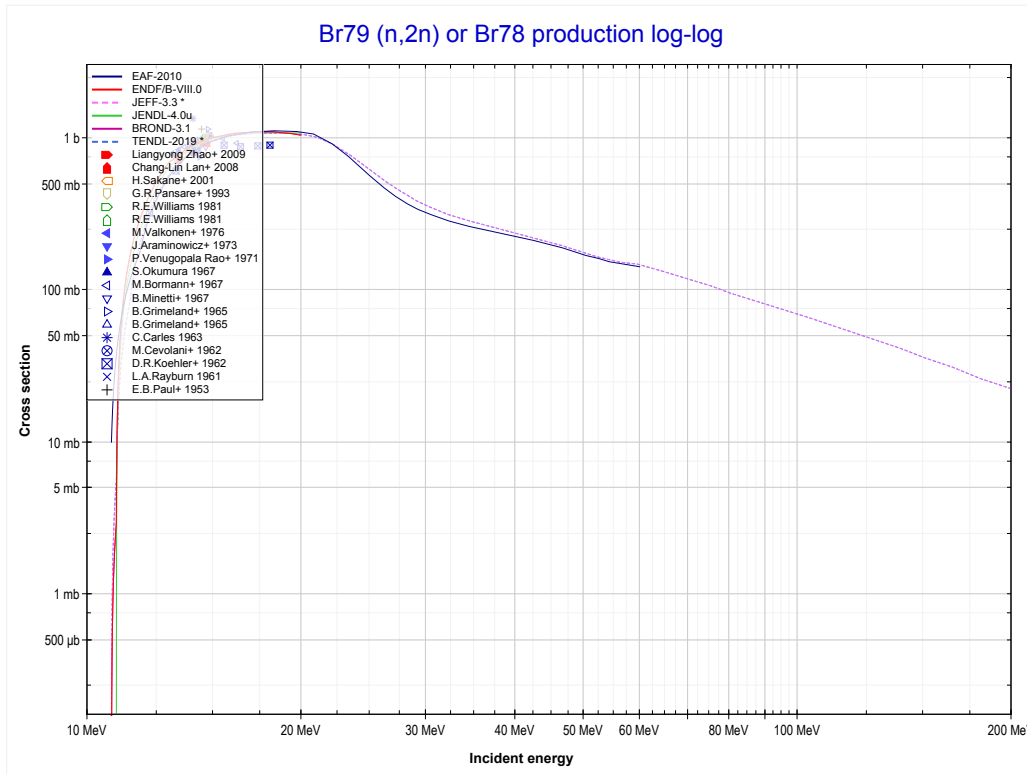
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.219962 b | 0.219797 b | 0.21981 b | 1.00004 | 287.999 b | 0.627422 b | 0.136991 b |
| TENDL-2019 | 216.514 b | 216.514 b | 216.36 b | 0.99928 | 430.203 b | 0.62011 b | 0.0982988 b |

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|-------------------------|--|----------------|
| << 34-Se-82 | 35-Br-79 | 37-Rb-85 >> |
| << 35-Br-76 MT103 (n,p) | MT4 (n,n') or MT5 (Br79 production) | MT16 (n,2n) >> |



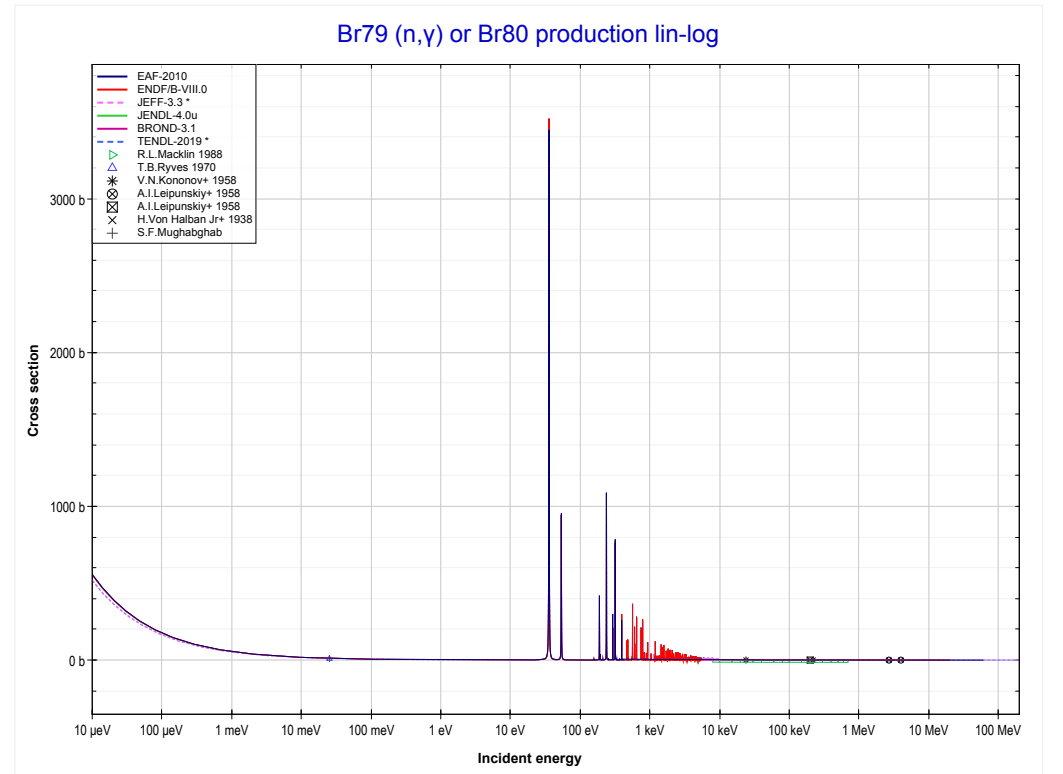
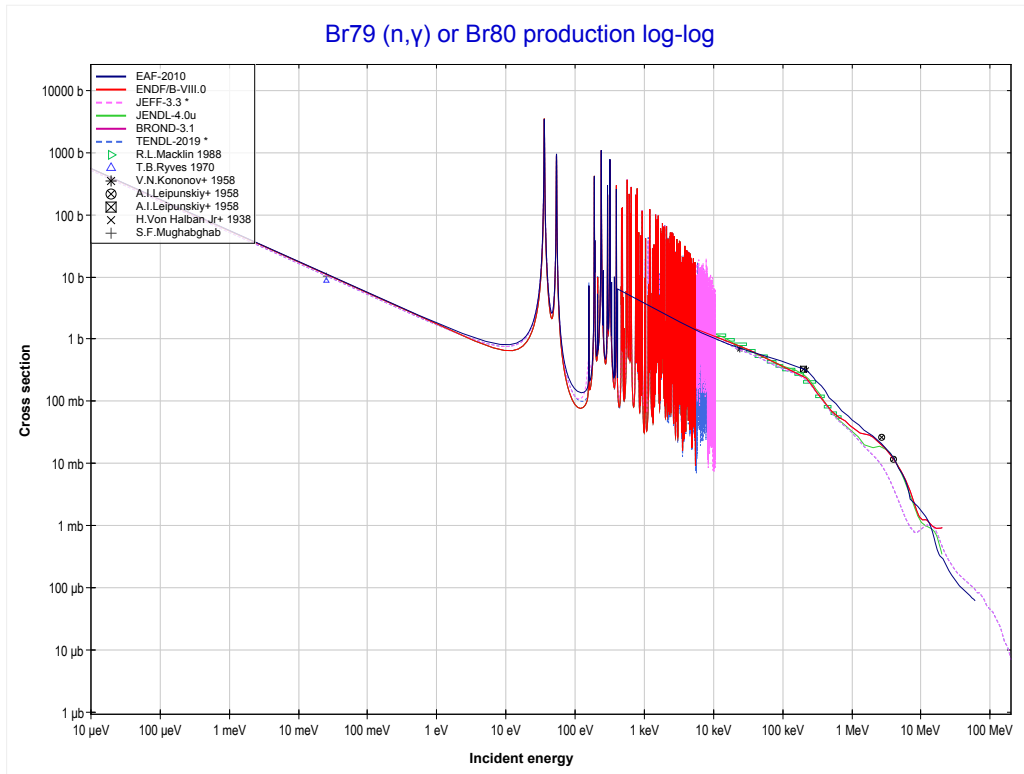
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51063 b | 0.291165 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55068 b | 0.742678 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.66727 b | 0.68359 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51063 b | 0.291165 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55086 b | 0.741975 b |

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|---------------|---|-------------------------|
| << 34-Se-82 | 35-Br-79 | 35-Br-81 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Br78 production) | MT102 (n, γ) >> |



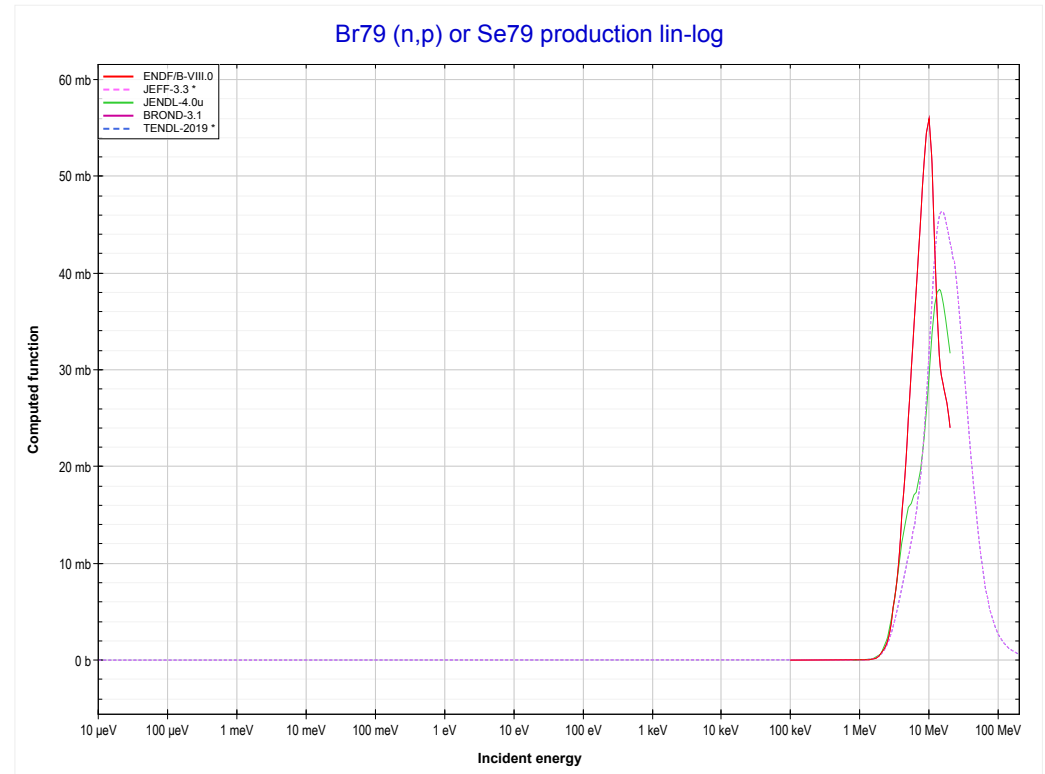
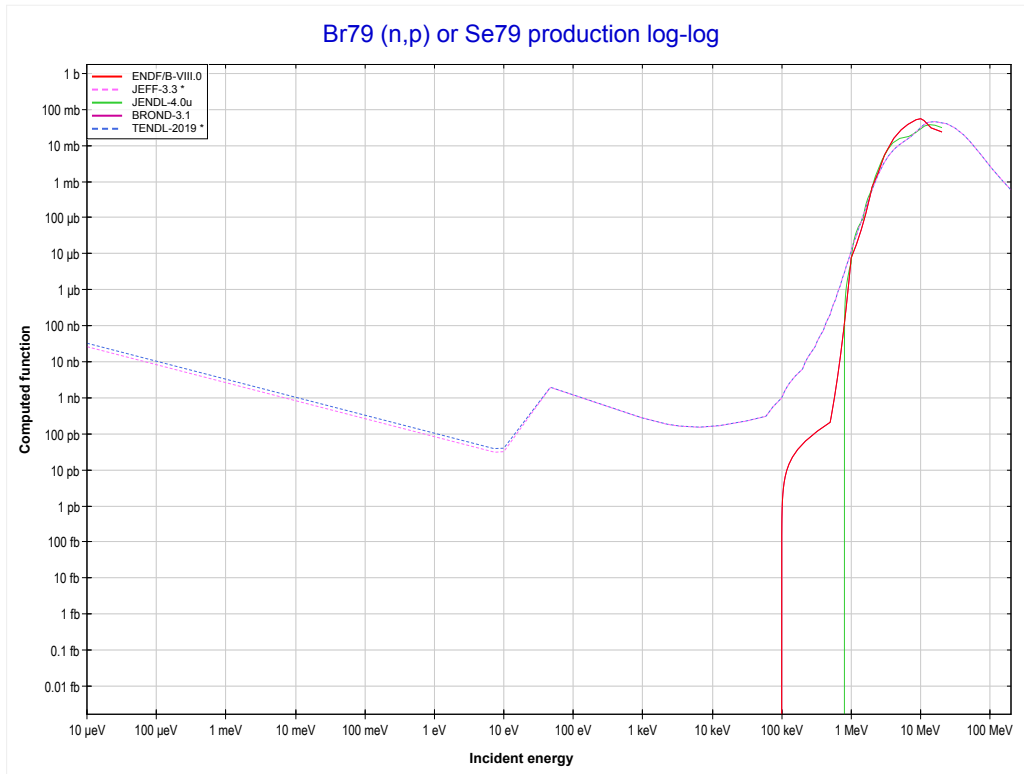
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36665E-4 b | 0.787695 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06108E-4 b | 0.883285 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.3428E-4 b | 0.80077 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.73498E-4 b | 0.854 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.06108E-4 b | 0.883285 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.34547E-4 b | 0.801067 b |

| | | |
|----------------|---|----------------|
| << 34-Se-82 | 35-Br-79 | 35-Br-81 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Br80 production) | MT103 (n,p) >> |



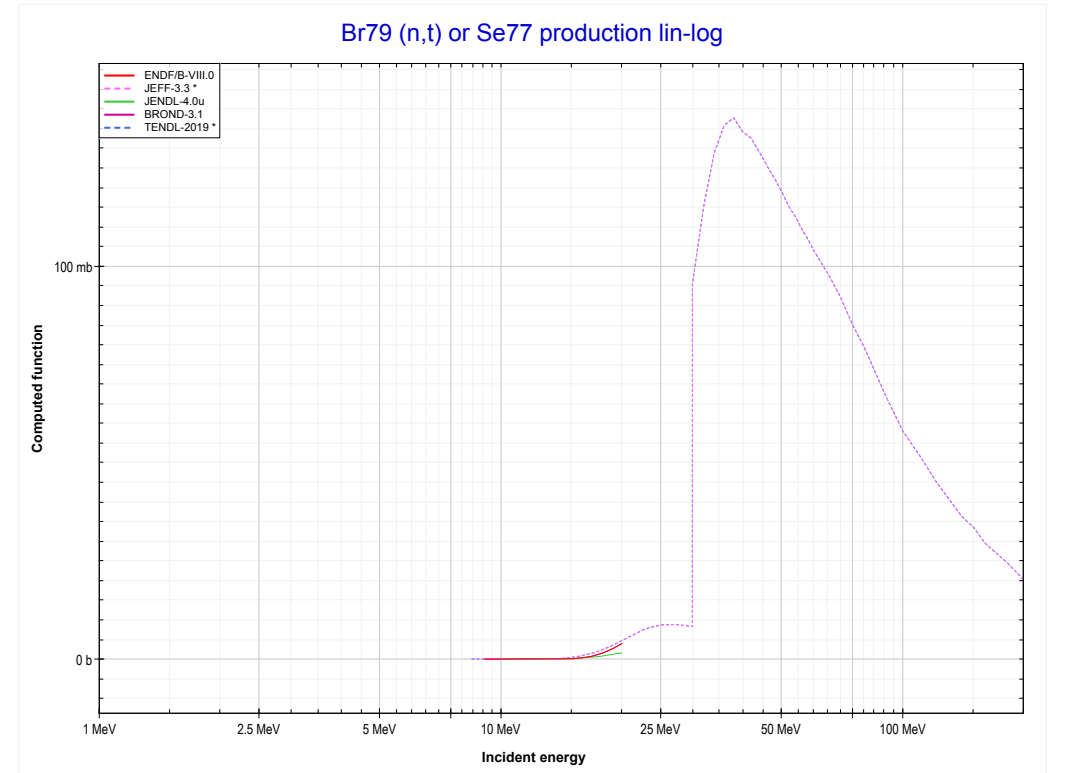
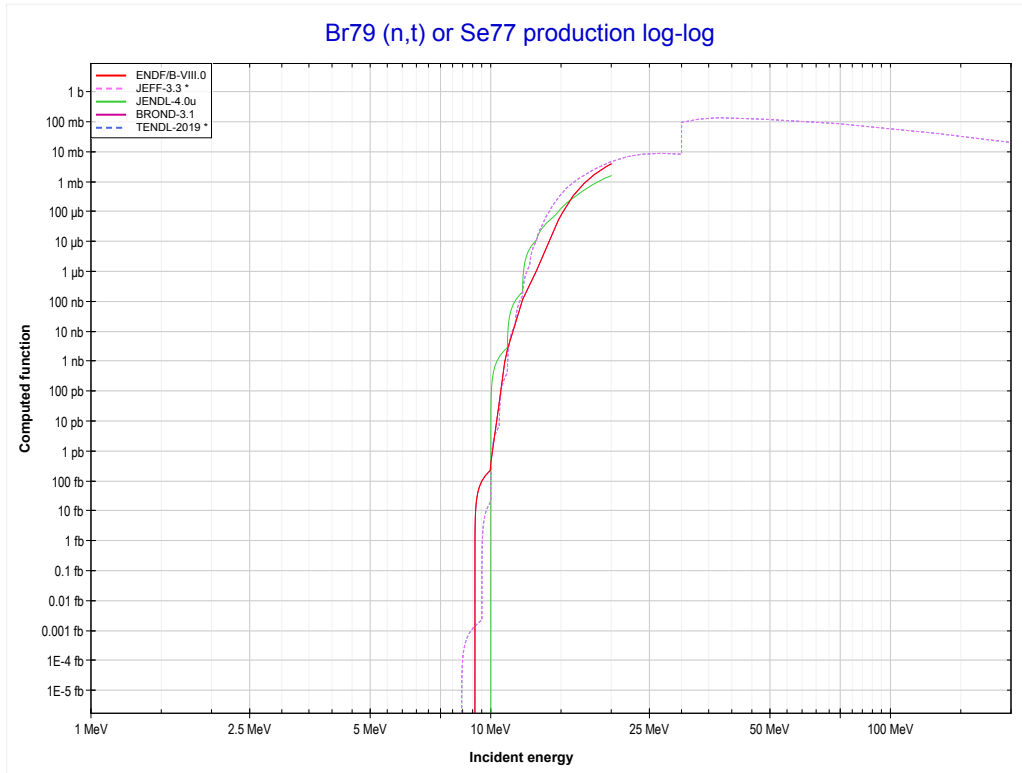
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.1128 b | 11.1045 b | 11.107 b | 1.00021 | 131.059 b | 0.066677 b | 9.33E-4 b |
| ENDF/B-VIII.0 | 11.0032 b | 11.0032 b | 11.006 b | 1.00029 | 128.5 b | 0.0525329 b | 0.00103029 b |
| JEFF-3.3 | 10.3616 b | 10.3616 b | 10.368 b | 1.00063 | 132.463 b | 0.0437255 b | 0.00102801 b |
| JENDL-4.0u | 11.0032 b | 11.0032 b | 11.006 b | 1.00029 | 128.675 b | 0.0501222 b | 9.096E-4 b |
| BROND-3.1 | 11.0032 b | 11.0032 b | 11.006 b | 1.00029 | 128.5 b | 0.0525329 b | 0.00103029 b |
| TENDL-2019 | 10.2822 b | 10.2822 b | 10.286 b | 1.0004 | 132.087 b | 0.0431773 b | 0.00102683 b |

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|-------------------------|---|----------------|
| << 35-Br-76 | 35-Br-79 | 35-Br-81 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Se79 production) | MT105 (n,t) >> |



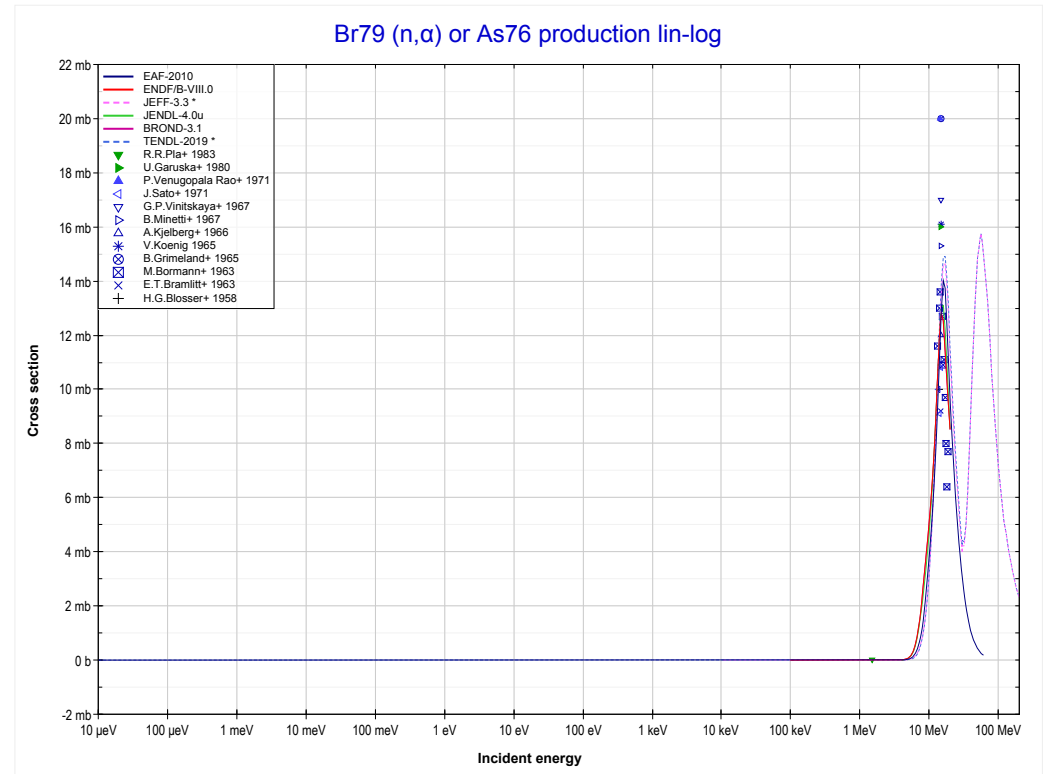
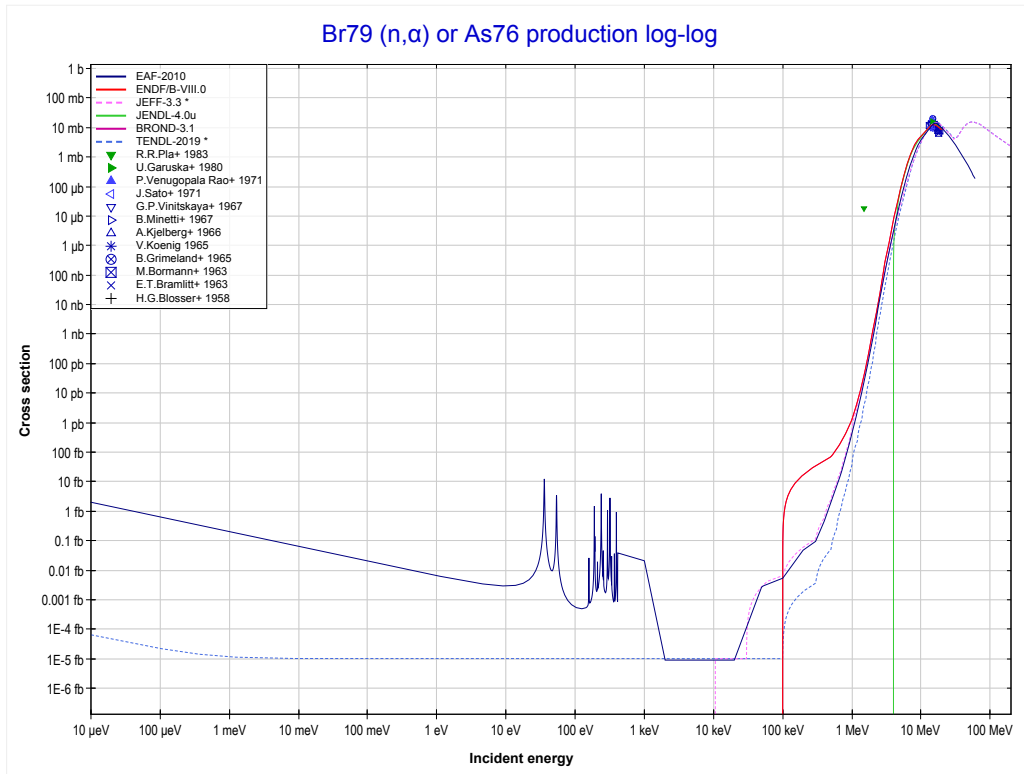
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.06799E-22 b | 0.00455541 b | 0.0314338 b |
| JEFF-3.3 | 5.21154E-10 b | 5.21154E-10 b | 5.2097E-10 b | 0.99965 | 4.62851E-9 b | 0.00232211 b | 0.0458759 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00320336 b | 0.03831 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.068E-22 b | 0.00455541 b | 0.0314338 b |
| TENDL-2019 | 6.5266E-10 b | 6.5266E-10 b | 6.5221E-10 b | 0.99931 | 4.74886E-9 b | 0.00232225 b | 0.0458649 b |

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|----------------|---|-------------------------|
| << 34-Se-74 | 35-Br-79 | 38-Sr-86 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Se77 production) | MT107 (n, α) >> |



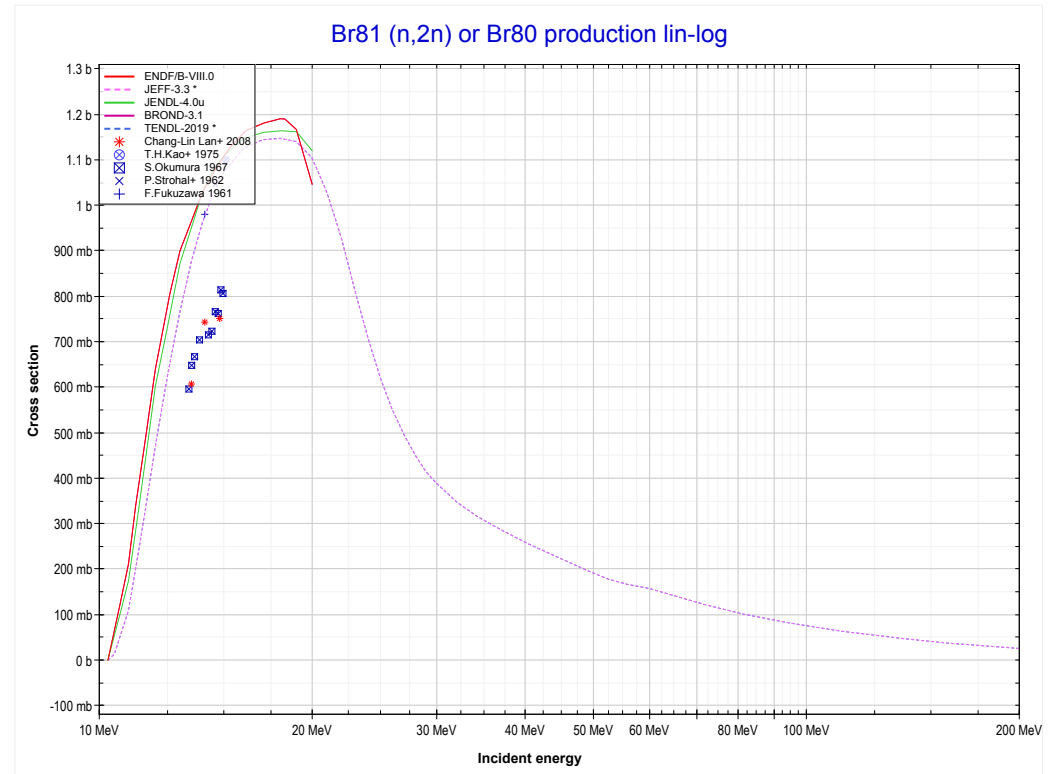
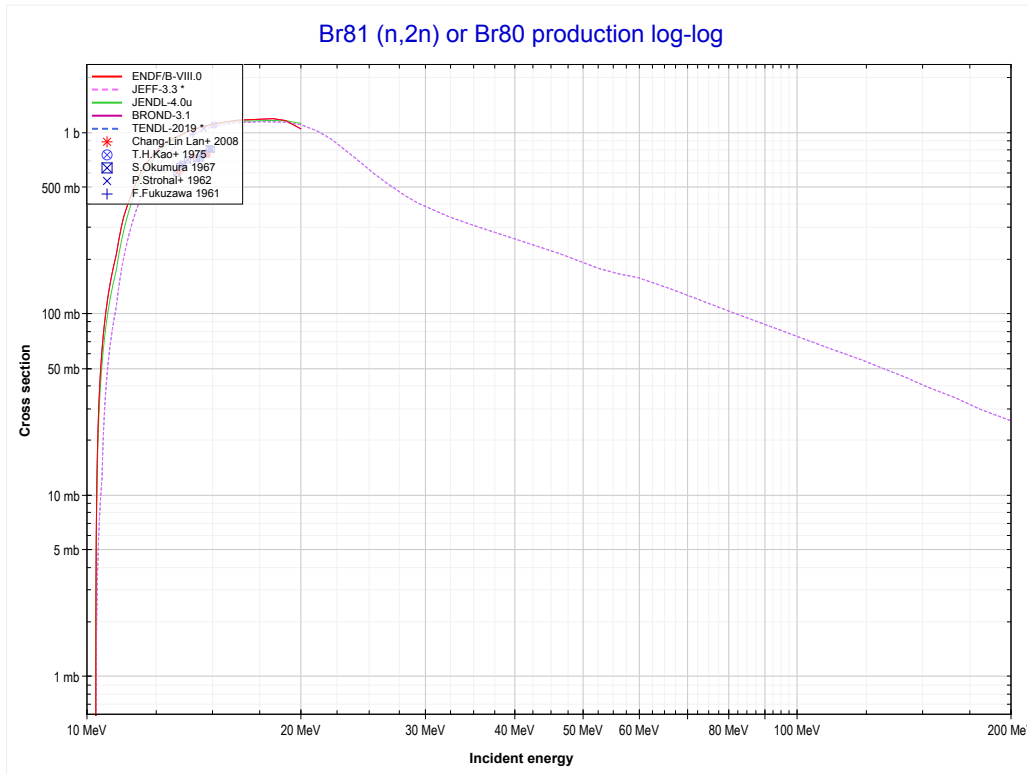
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.51545E-8 b | 1.02107E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.46681E-8 b | 9.96985E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.07595E-8 b | 4.982E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.51545E-8 b | 1.02107E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.46671E-8 b | 9.97019E-5 b |

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|----------------|---|-------------------------|
| << 34-Se-80 | 35-Br-79 | 35-Br-81 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (As76 production) | 35-Br-81 MT16 (n,2n) >> |



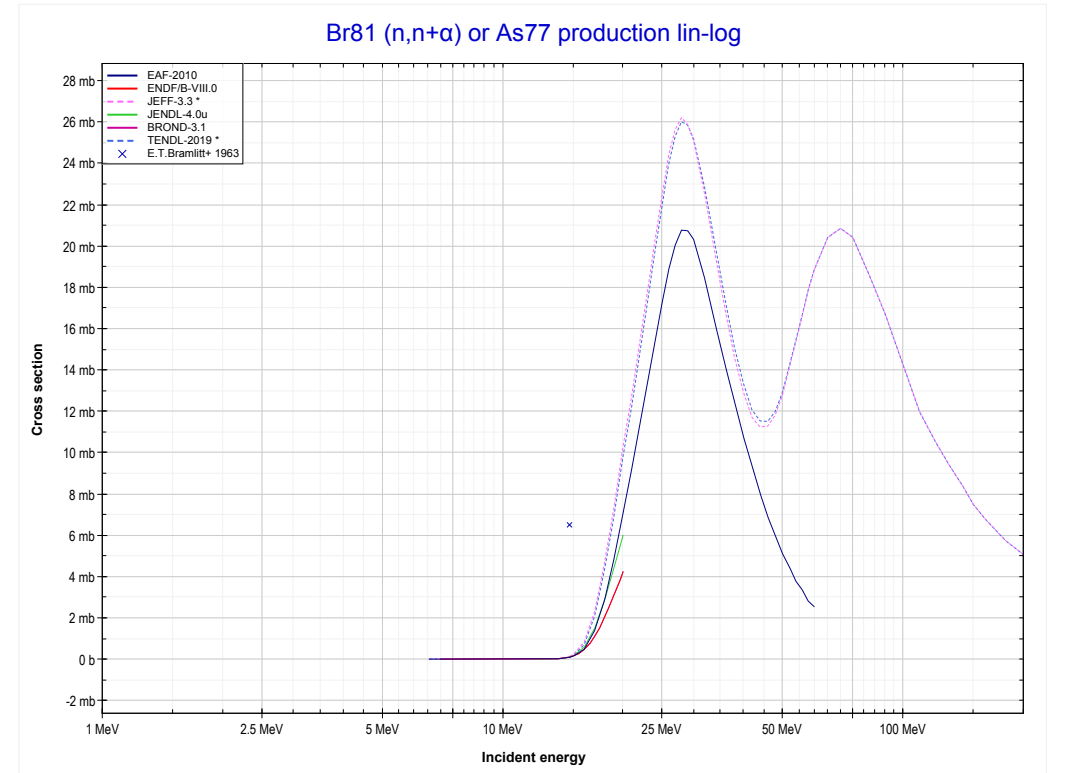
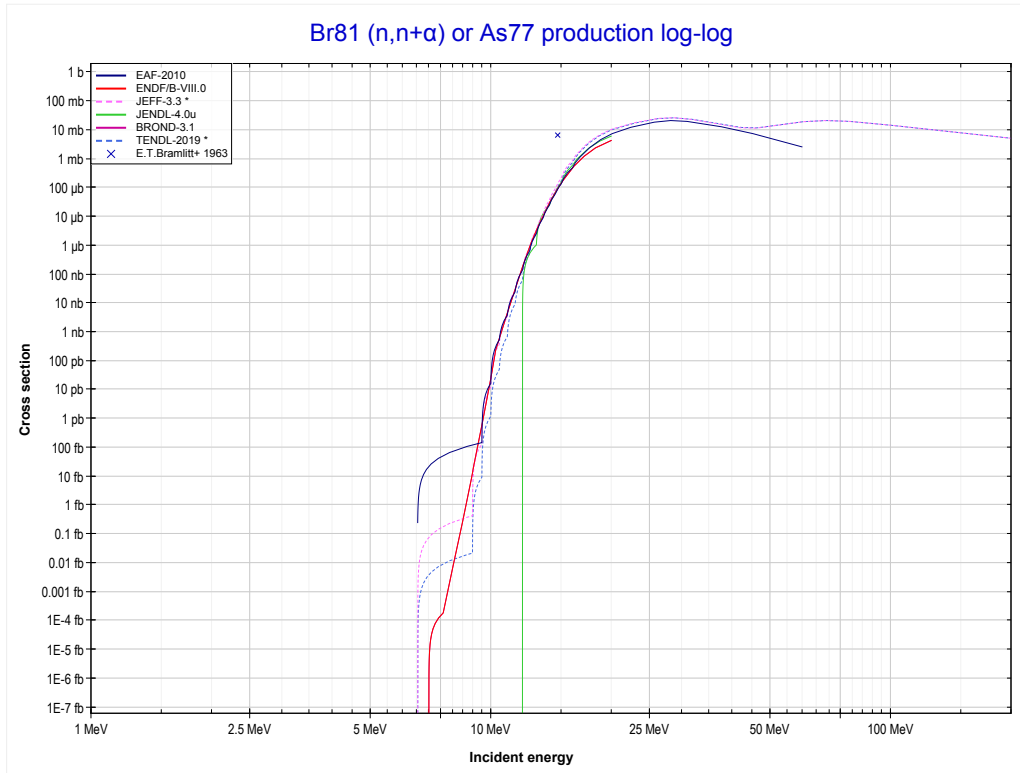
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 4E-17 b | 3.99701E-17 b | 3.9979E-17 b | 1.00021 | 4.63686E-16 b | 3.89644E-5 b | 0.0109635 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.5514E-26 b | 6.57459E-5 b | 0.0118662 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.99976E-18 b | 3.07677E-5 b | 0.0118912 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.01209E-5 b | 0.01185 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.55144E-26 b | 6.57459E-5 b | 0.0118662 b |
| TENDL-2019 | 1.0064E-20 b | 1.0064E-20 b | 1.1356E-20 b | 1.12842 | 1.22074E-19 b | 2.92216E-5 b | 0.0121318 b |

| | | |
|----------------------------------|---|--------------------------|
| << 35-Br-79 | 35-Br-81 | 36-Kr-78 >> |
| << 35-Br-79 MT107 (n, α) | MT16 (n,2n) or MT5 (Br80 production) | MT22 (n,n+ α) >> |



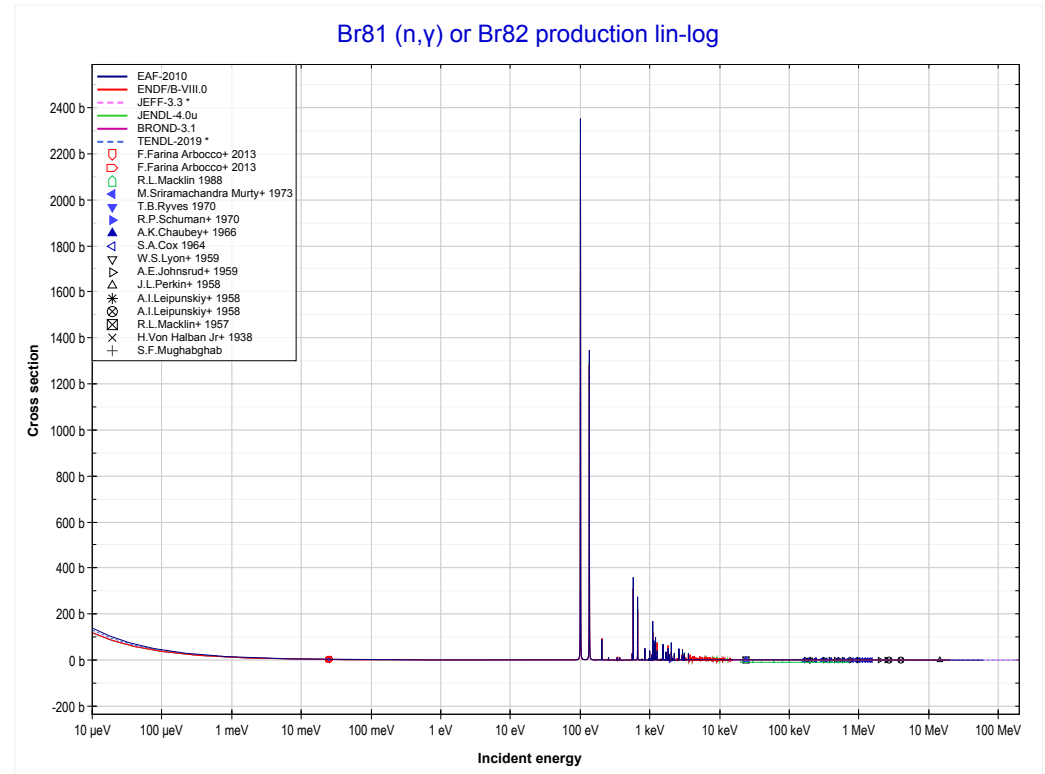
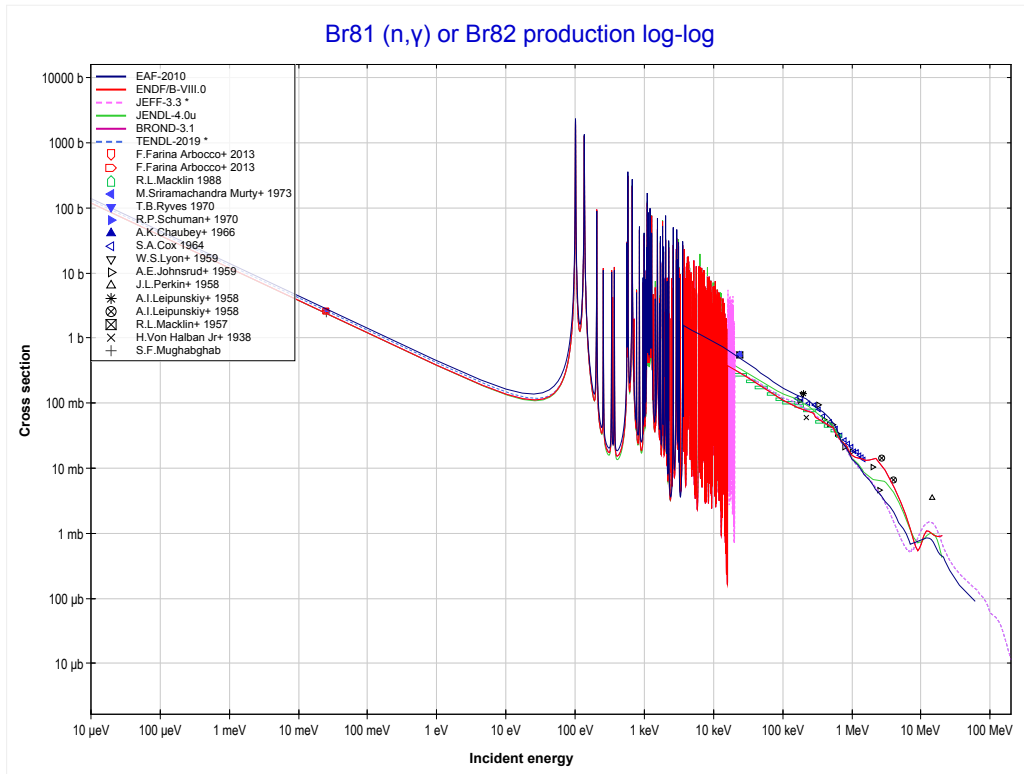
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.01001E-4 b | 1.02935 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38666E-4 b | 0.963458 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.54782E-4 b | 1.03 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.01001E-4 b | 1.02935 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38657E-4 b | 0.963686 b |

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|----------------|--|----------------|
| << 32-Ge-76 | 35-Br-81 | 37-Rb-87 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (As77 production) | MT102 (n,γ) >> |



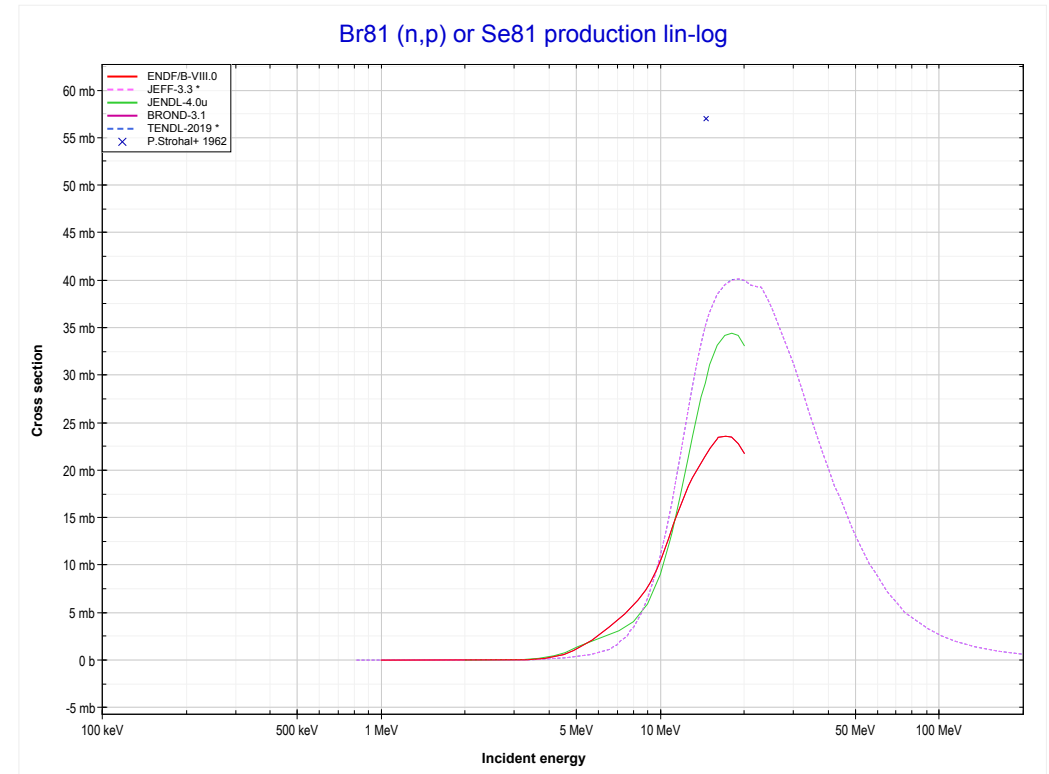
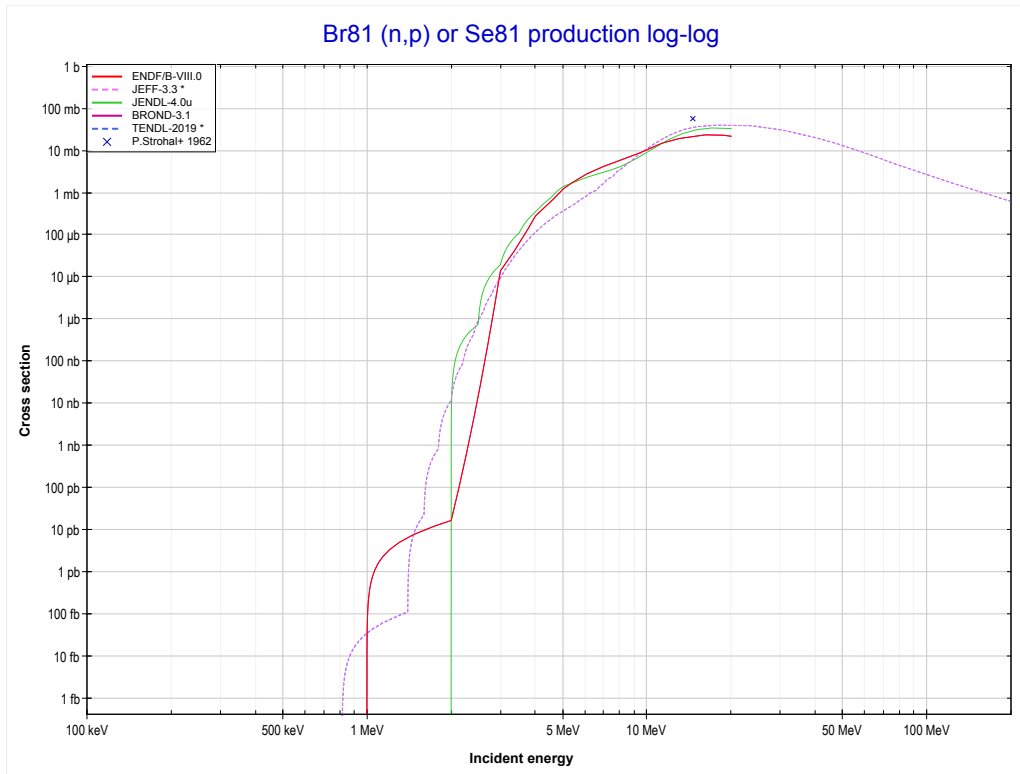
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.97248E-8 b | 2.84236E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04184E-7 b | 3.49266E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.6432E-8 b | 2.329E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.97248E-8 b | 2.84236E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.33682E-8 b | 2.72729E-5 b |

| | | |
|-----------------|---|----------------|
| << 35-Br-79 | 35-Br-81 | 36-Kr-78 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Br82 production) | MT103 (n,p) >> |



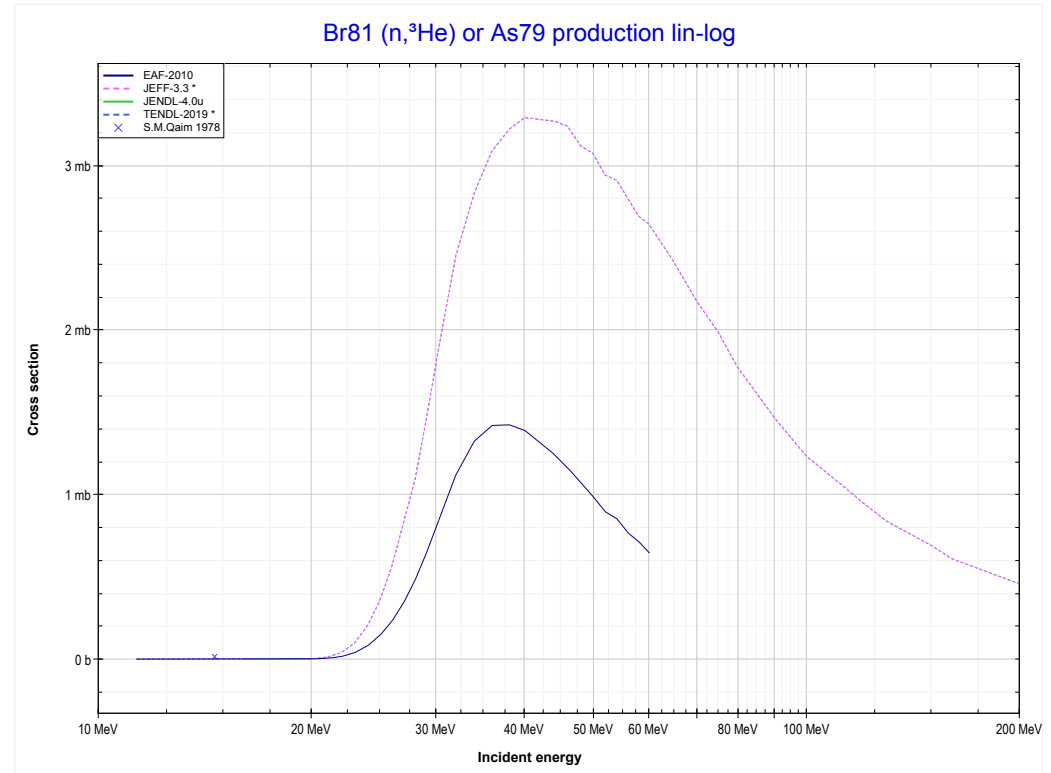
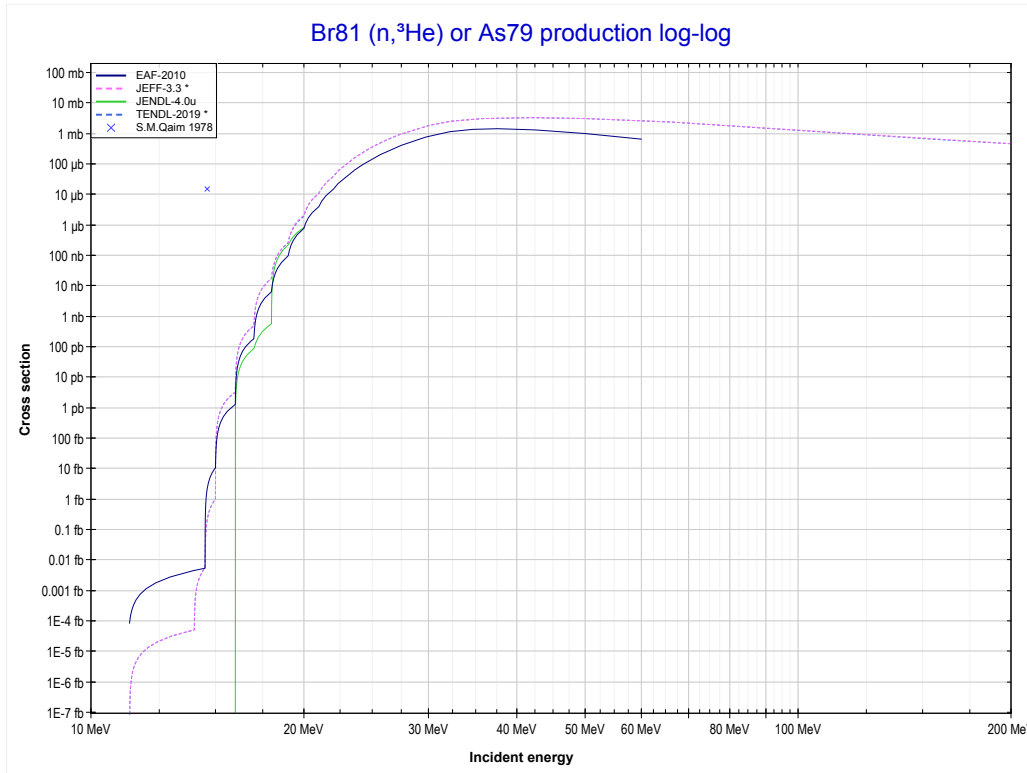
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.77816 b | 2.77608 b | 2.776 b | 0.99997 | 54.237 b | 0.0247453 b | 8.1E-4 b |
| ENDF/B-VIII.0 | 2.365 b | 2.365 b | 2.3663 b | 1.00054 | 46.2213 b | 0.0224975 b | 0.00100423 b |
| JEFF-3.3 | 2.369 b | 2.369 b | 2.3703 b | 1.00054 | 46.2491 b | 0.0193623 b | 0.00147815 b |
| JENDL-4.0u | 2.35601 b | 2.35601 b | 2.3572 b | 1.00052 | 46.4626 b | 0.0222744 b | 0.001004 b |
| BROND-3.1 | 2.365 b | 2.365 b | 2.3663 b | 1.00054 | 46.2213 b | 0.0224975 b | 0.00100423 b |
| TENDL-2019 | 2.59553 b | 2.59553 b | 2.596 b | 1.0002 | 46.3847 b | 0.0192586 b | 0.00147763 b |

| | | |
|-------------------------|---|------------------------------|
| << 35-Br-79 | 35-Br-81 | 36-Kr-80 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Se81 production) | MT106 (n, ^3He) >> |



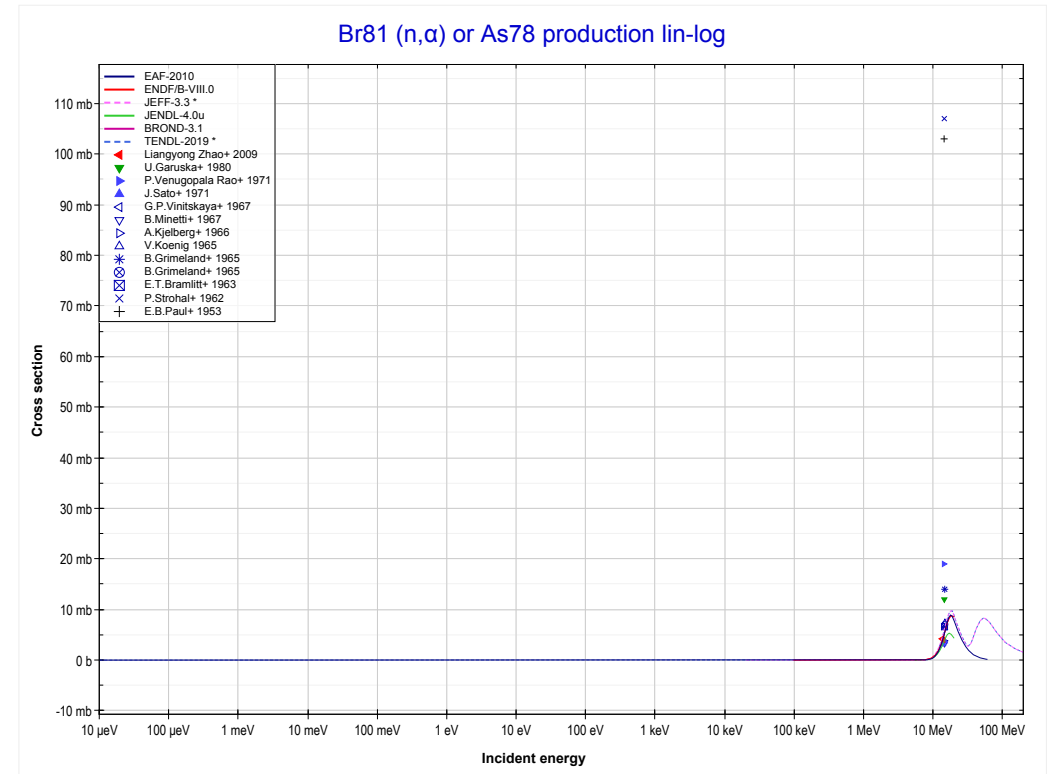
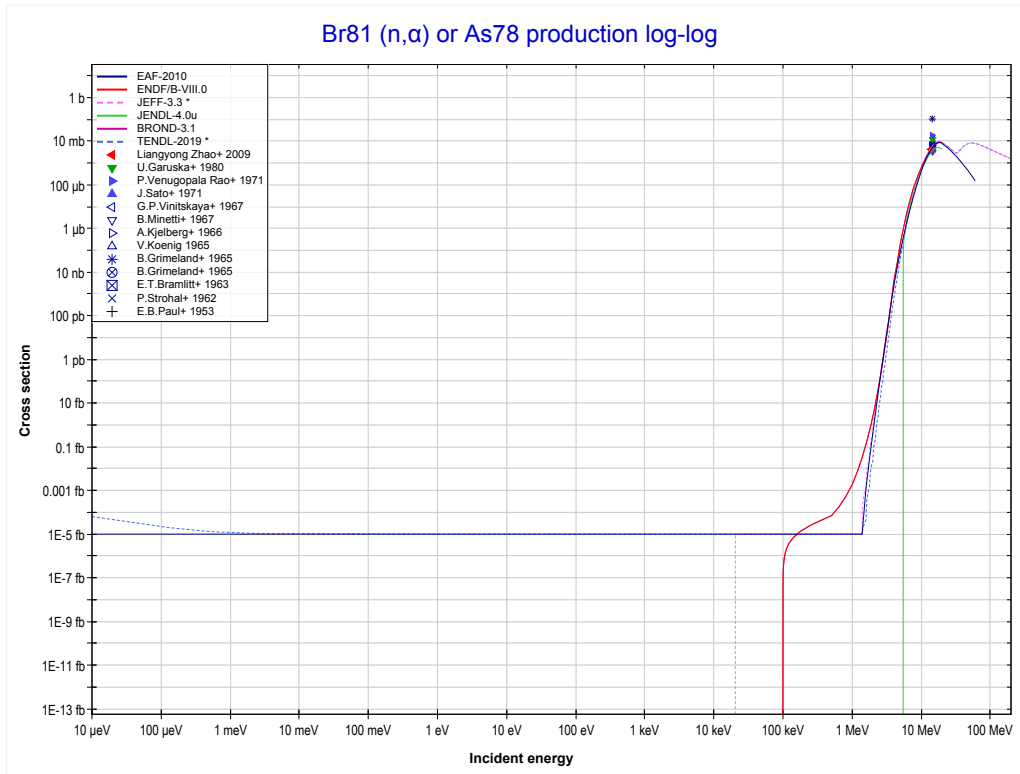
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51817E-4 b | 0.0207327 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39884E-4 b | 0.0333513 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.35064E-4 b | 0.0277 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51817E-4 b | 0.0207327 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39637E-4 b | 0.0333322 b |

| | | |
|----------------|--|-------------------------|
| << 33-As-75 | 35-Br-81 | 40-Zr-94 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (As79 production) | MT107 (n, α) >> |



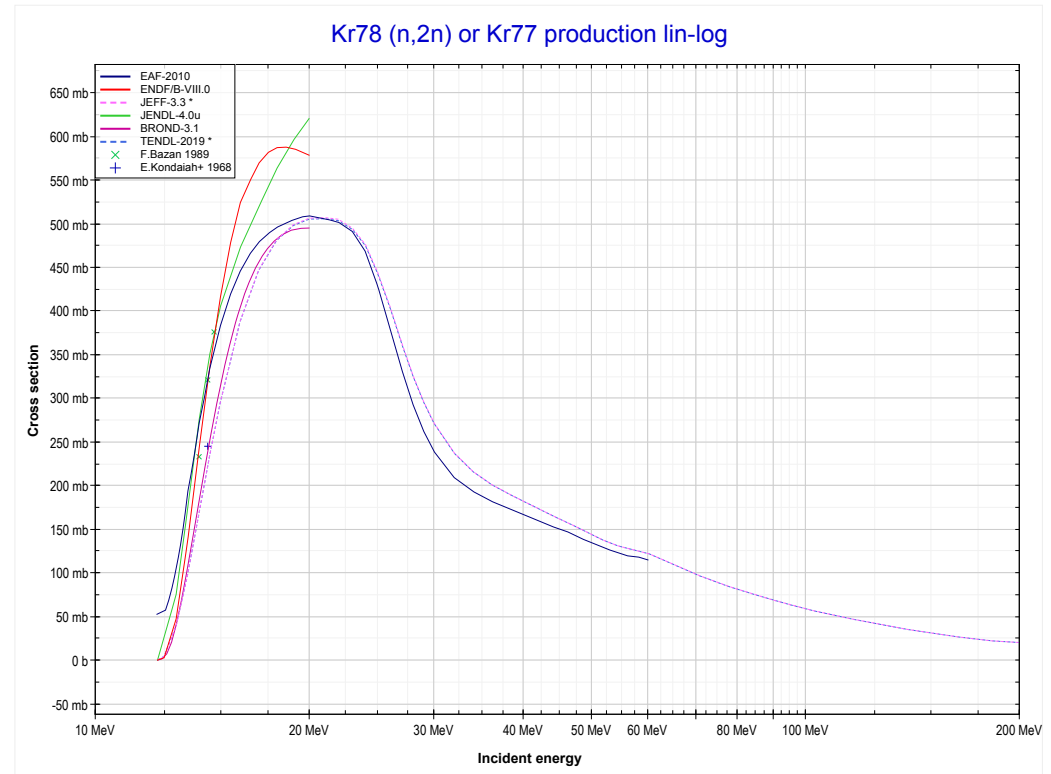
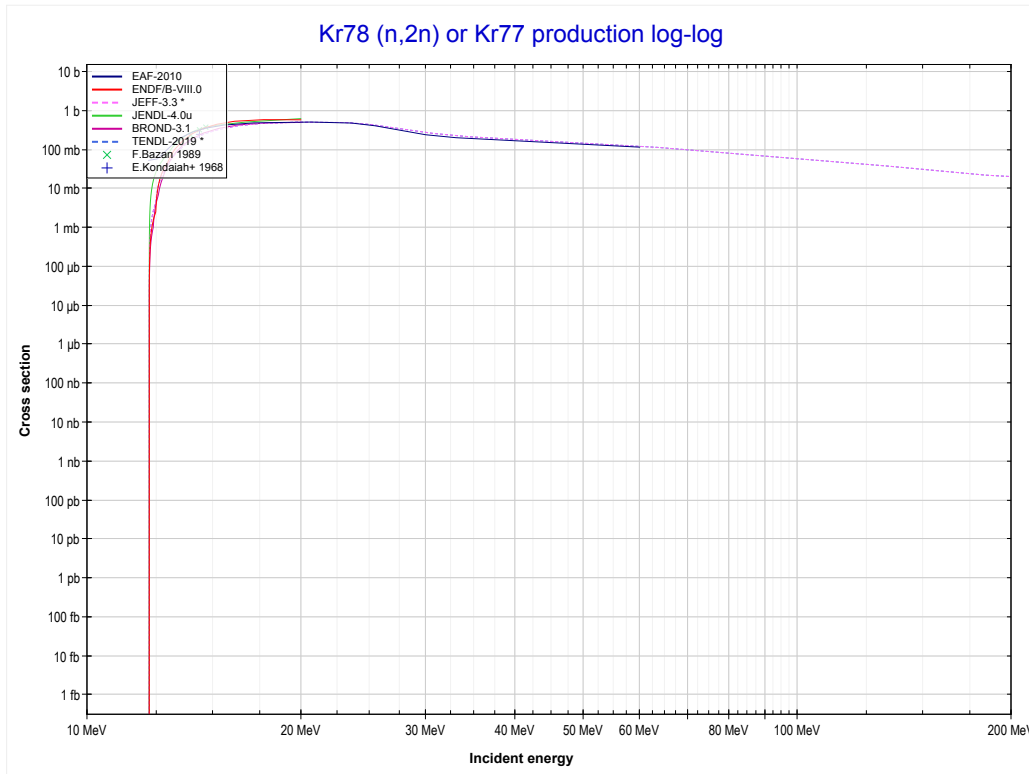
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.45496E-13 b | 4.5396E-18 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.32393E-12 b | 5.18563E-20 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.16811E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.18329E-12 b | 5.0638E-20 b |

| | | |
|-------------------------------|---|-------------------------|
| << 35-Br-79 | 35-Br-81 | 36-Kr-86 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (As78 production) | 36-Kr-78 MT16 (n,2n) >> |



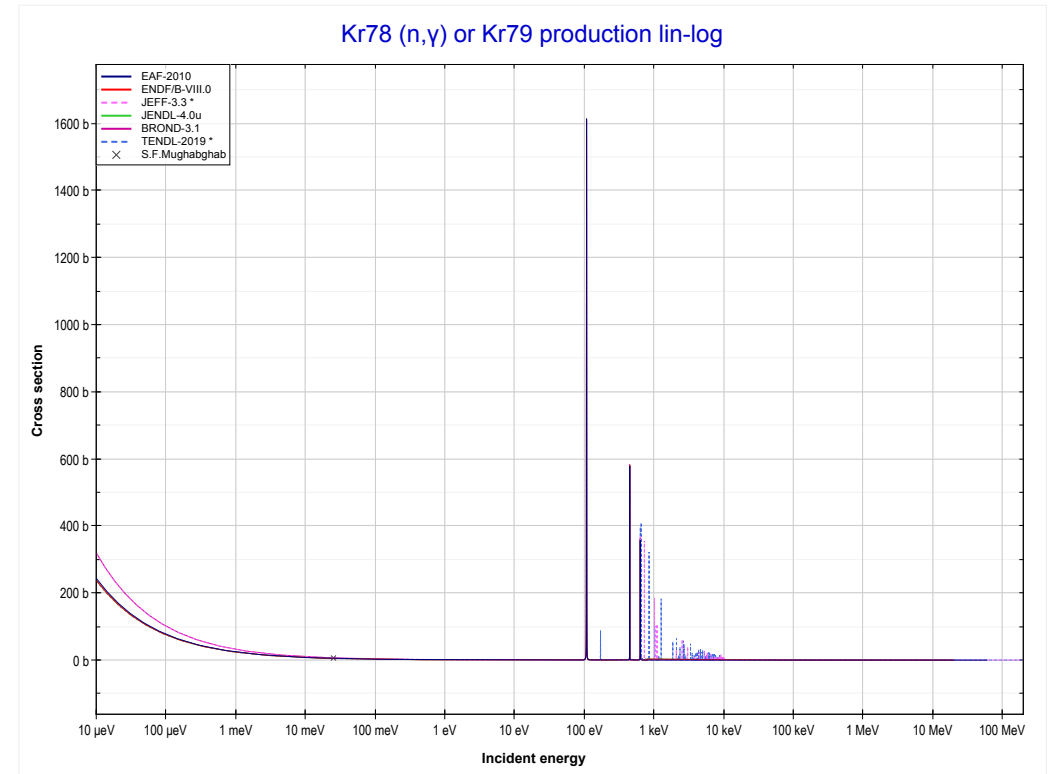
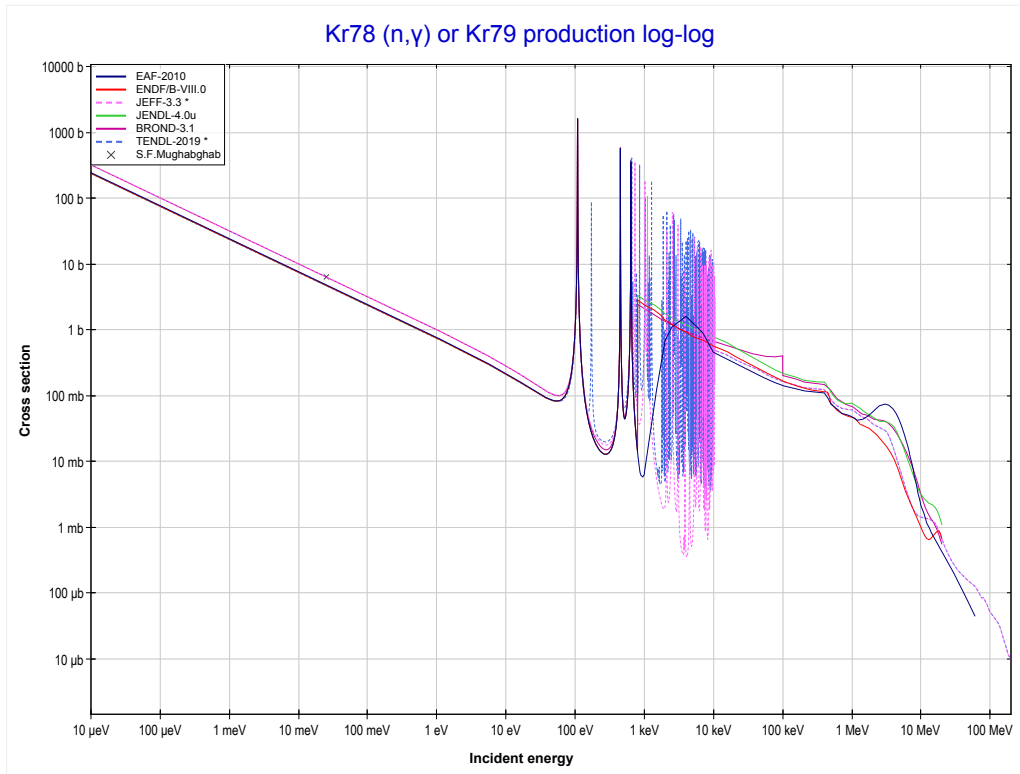
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22079E-19 b | 3.88649E-6 b | 0.00421161 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.46047E-32 b | 5.19099E-6 b | 0.00425855 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.58514E-20 b | 5.40231E-6 b | 0.00512643 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.66918E-6 b | 0.003206 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.46055E-32 b | 5.19099E-6 b | 0.00425855 b |
| TENDL-2019 | 1.0062E-20 b | 1.0062E-20 b | 1.1355E-20 b | 1.12847 | 1.22075E-19 b | 4.86194E-6 b | 0.0048762 b |

| | | |
|----------------------------------|---|-------------------------|
| << 35-Br-81 | 36-Kr-78 | 36-Kr-80 >> |
| << 35-Br-81 MT107 (n, α) | MT16 (n,2n) or MT5 (Kr77 production) | MT102 (n, γ) >> |



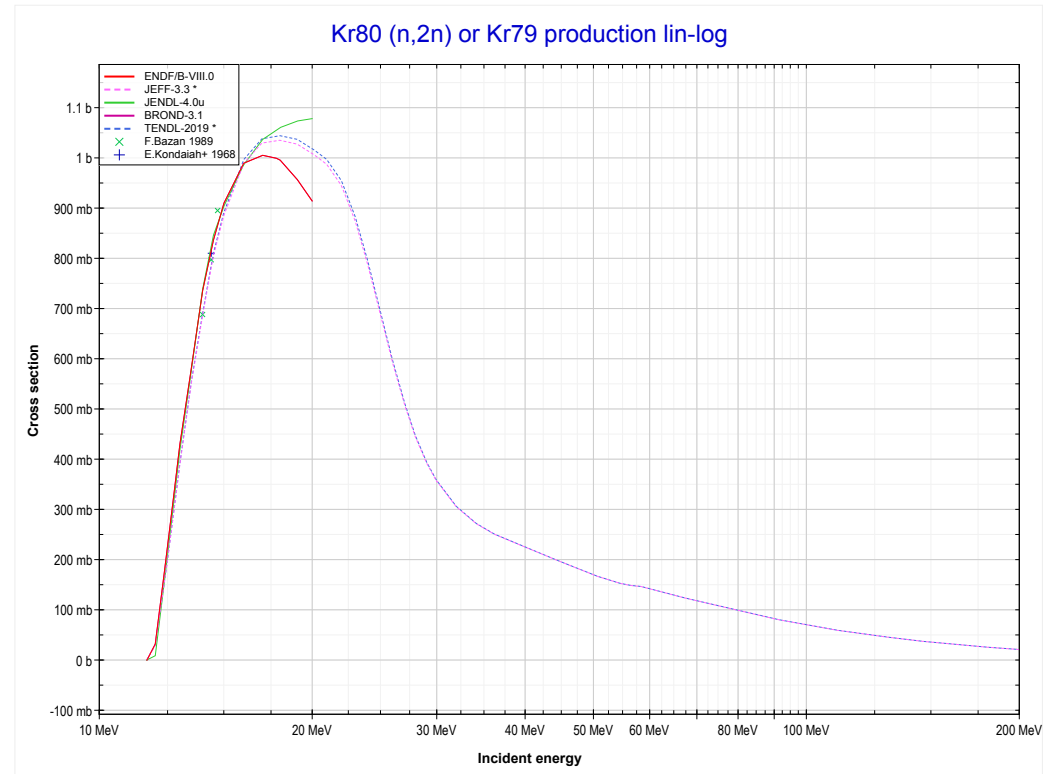
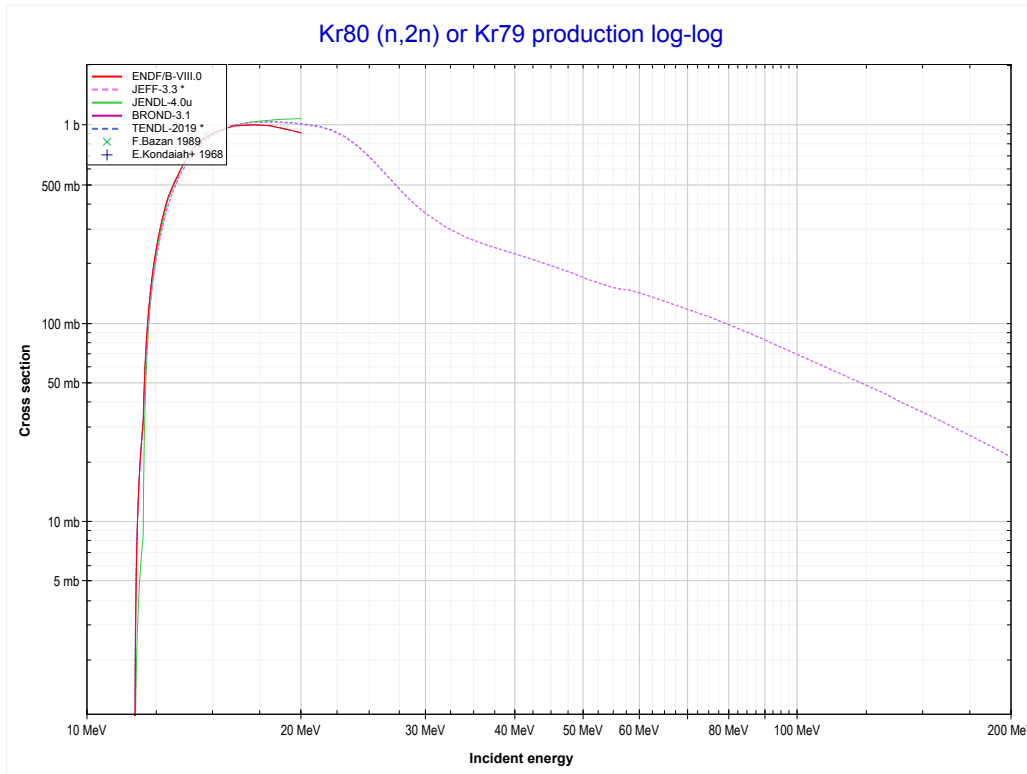
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59045E-5 b | 0.270903 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.71366E-5 b | 0.242114 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.95471E-5 b | 0.168584 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.35343E-5 b | 0.2746 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17977E-5 b | 0.18181 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.9563E-5 b | 0.168757 b |

| | | |
|----------------|---|-------------------------|
| << 35-Br-81 | 36-Kr-78 | 36-Kr-80 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Kr79 production) | 36-Kr-80 MT16 (n,2n) >> |



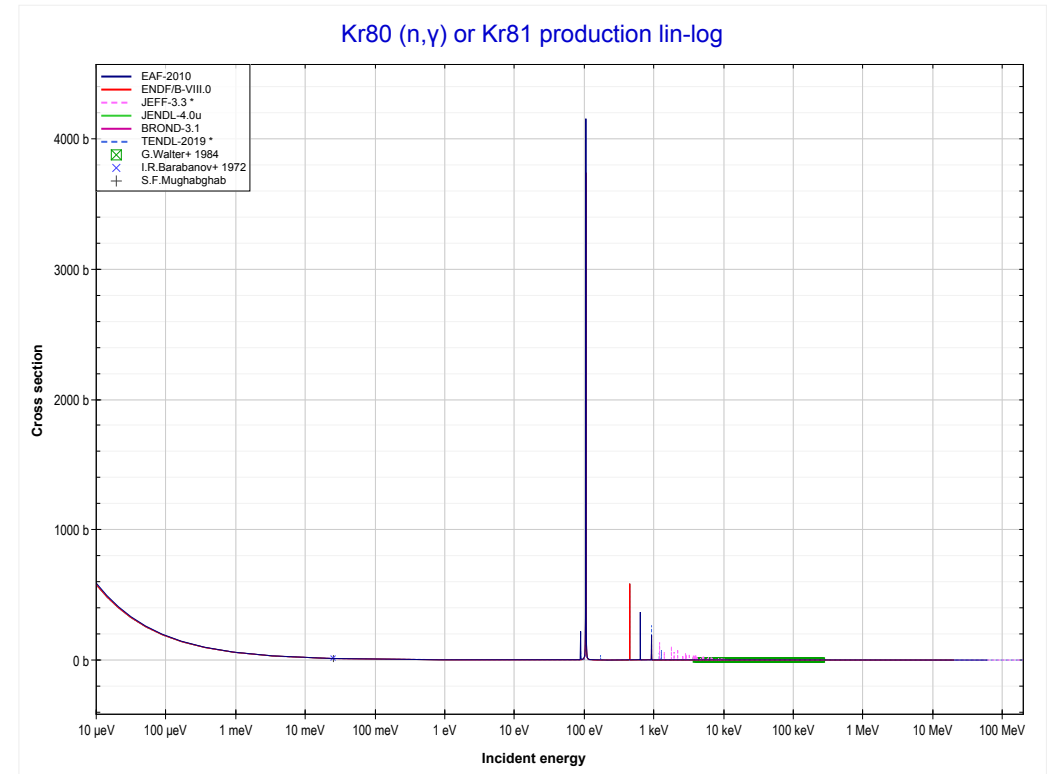
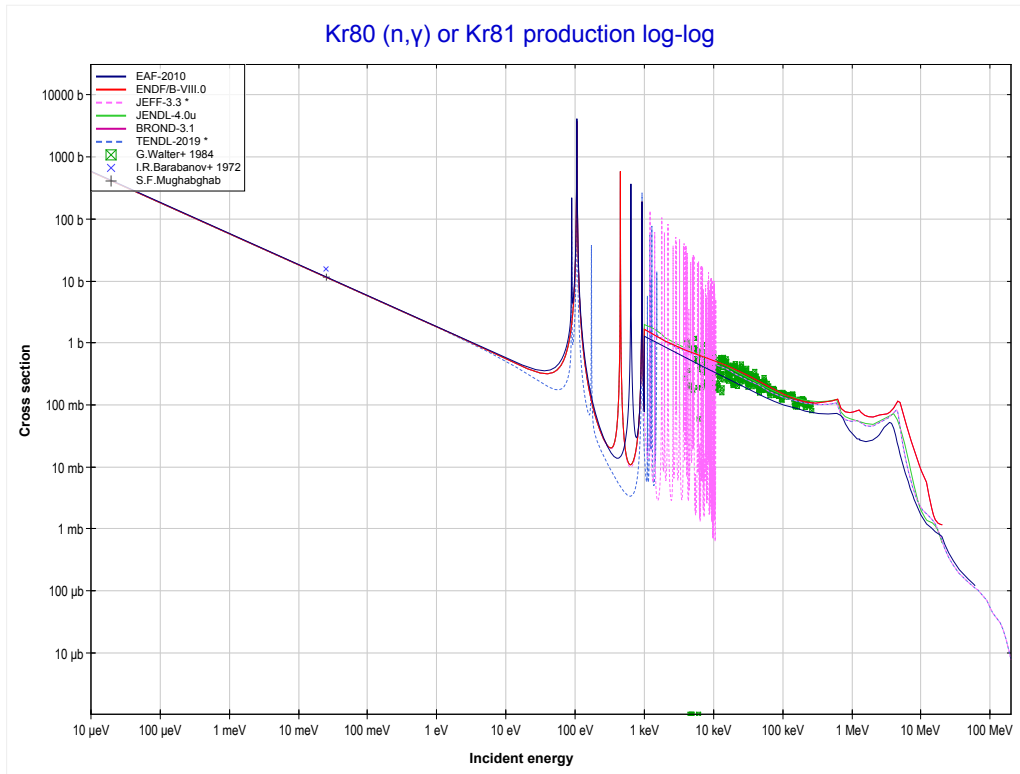
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.85059 b | 4.84696 b | 4.8452 b | 0.99964 | 23.2012 b | 0.0632836 b | 8.36241E-4 b |
| ENDF/B-VIII.0 | 4.73226 b | 4.73226 b | 4.7333 b | 1.00021 | 24.8787 b | 0.0450338 b | 6.79265E-4 b |
| JEFF-3.3 | 6.32845 b | 6.32845 b | 6.3297 b | 1.0002 | 24.9823 b | 0.0538182 b | 0.00130154 b |
| JENDL-4.0u | 4.73226 b | 4.73226 b | 4.7333 b | 1.00021 | 25.9382 b | 0.0705706 b | 0.002227 b |
| BROND-3.1 | 6.35502 b | 6.35502 b | 6.3567 b | 1.00026 | 25.7435 b | 0.0690232 b | 0.0013608 b |
| TENDL-2019 | 4.69323 b | 4.69323 b | 4.6928 b | 0.9999 | 25.6093 b | 0.0535405 b | 0.00129874 b |

| | | |
|----------------------------------|---|-------------------------|
| << 36-Kr-78 | 36-Kr-80 | 36-Kr-82 >> |
| << 36-Kr-78 MT102 (n, γ) | MT16 (n,2n) or MT5 (Kr79 production) | MT102 (n, γ) >> |



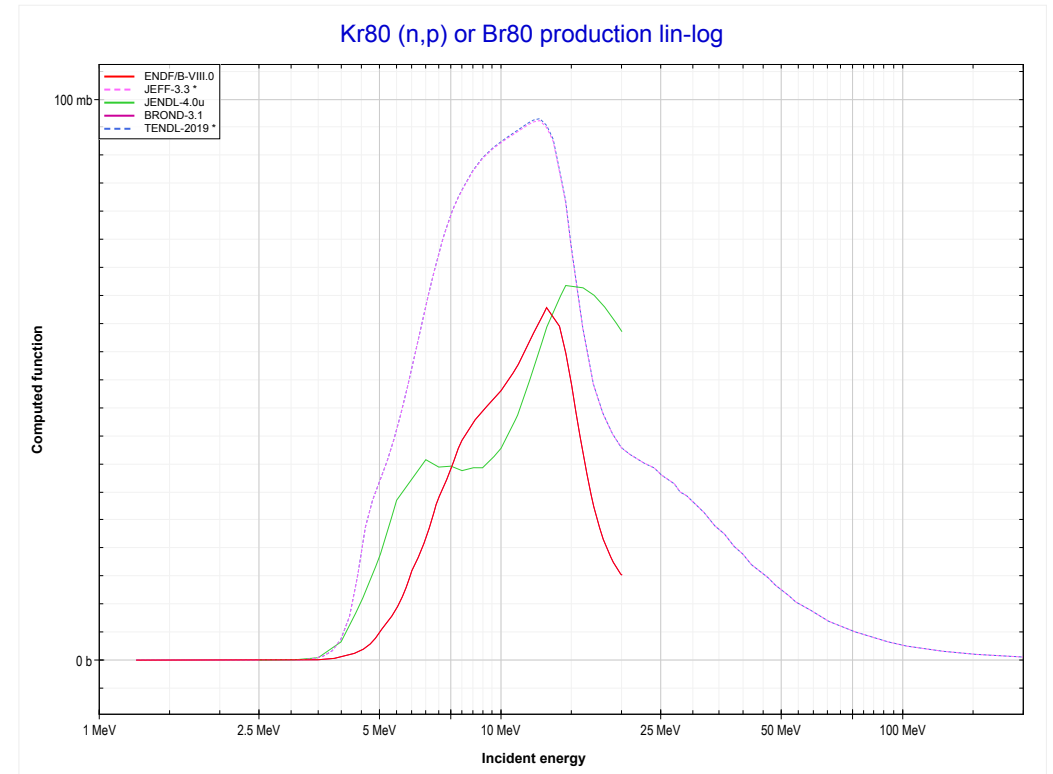
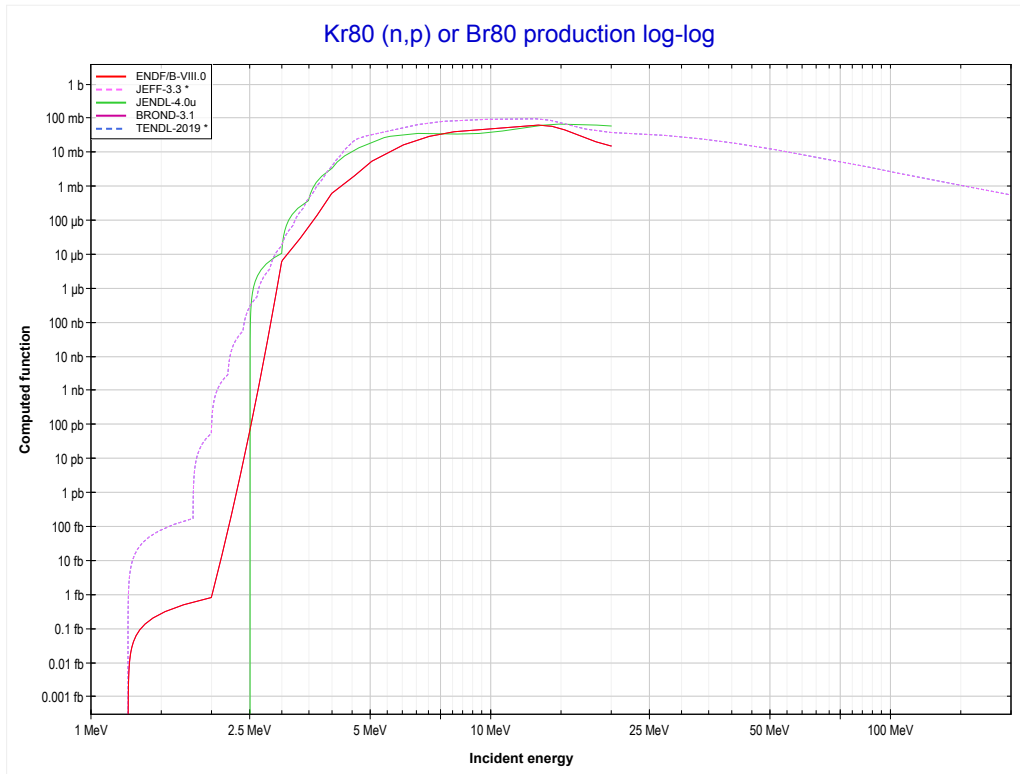
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27026E-4 b | 0.735167 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.15093E-4 b | 0.686208 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.21596E-4 b | 0.738 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27026E-4 b | 0.735167 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.16517E-4 b | 0.690496 b |

| | | |
|----------------|---|----------------|
| << 36-Kr-78 | 36-Kr-80 | 36-Kr-82 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Kr81 production) | MT103 (n,p) >> |



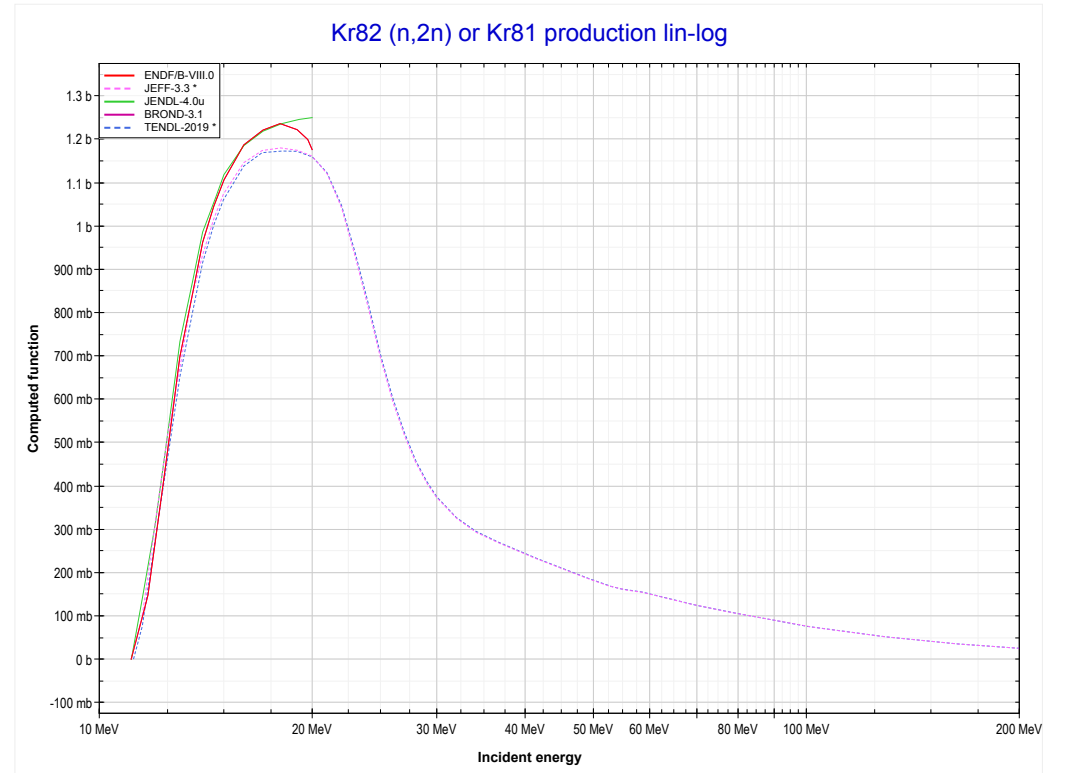
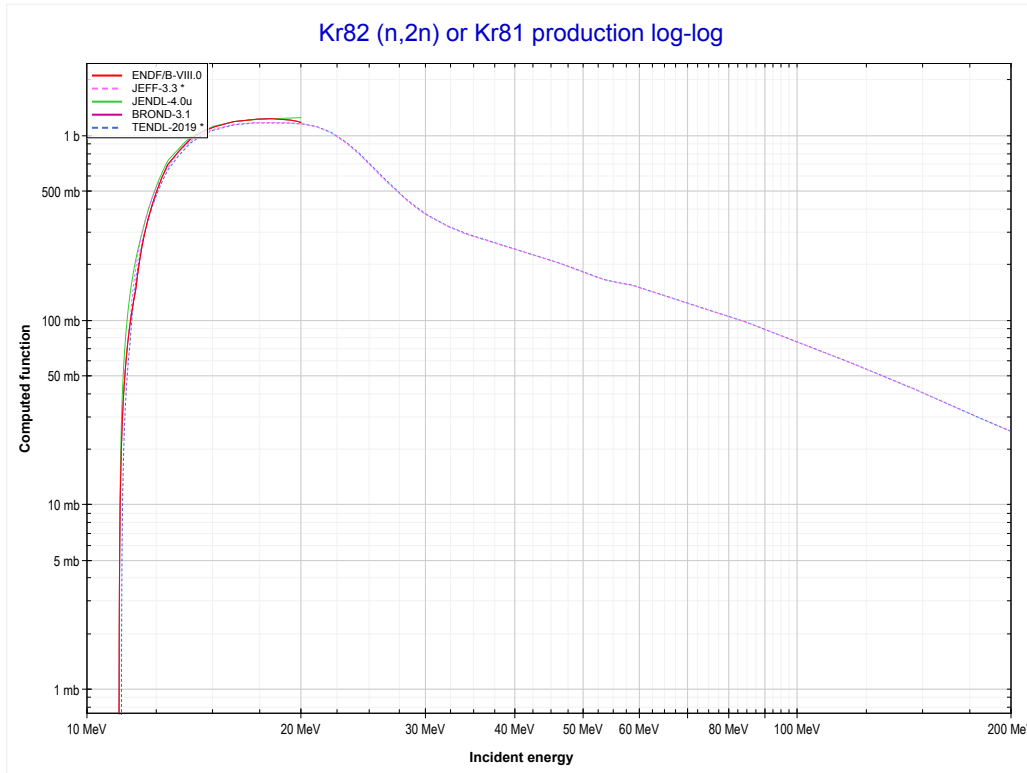
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.7478 b | 11.739 b | 11.736 b | 0.99977 | 68.0128 b | 0.0426498 b | 0.00105 b |
| ENDF/B-VIII.0 | 11.5033 b | 11.5033 b | 11.507 b | 1.00028 | 59.8002 b | 0.0832181 b | 0.00236138 b |
| JEFF-3.3 | 11.5246 b | 11.5246 b | 11.527 b | 1.00021 | 59.2012 b | 0.0643535 b | 0.00148759 b |
| JENDL-4.0u | 11.5033 b | 11.5033 b | 11.507 b | 1.00028 | 60.0653 b | 0.0682285 b | 0.00127 b |
| BROND-3.1 | 11.5033 b | 11.5033 b | 11.507 b | 1.00028 | 59.8002 b | 0.0832181 b | 0.00236138 b |
| TENDL-2019 | 11.4574 b | 11.4574 b | 11.456 b | 0.99987 | 33.3827 b | 0.0637626 b | 0.00148393 b |

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|-------------------------|---|-------------------------|
| << 35-Br-81 | 36-Kr-80 | 36-Kr-82 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Br80 production) | 36-Kr-82 MT16 (n,2n) >> |



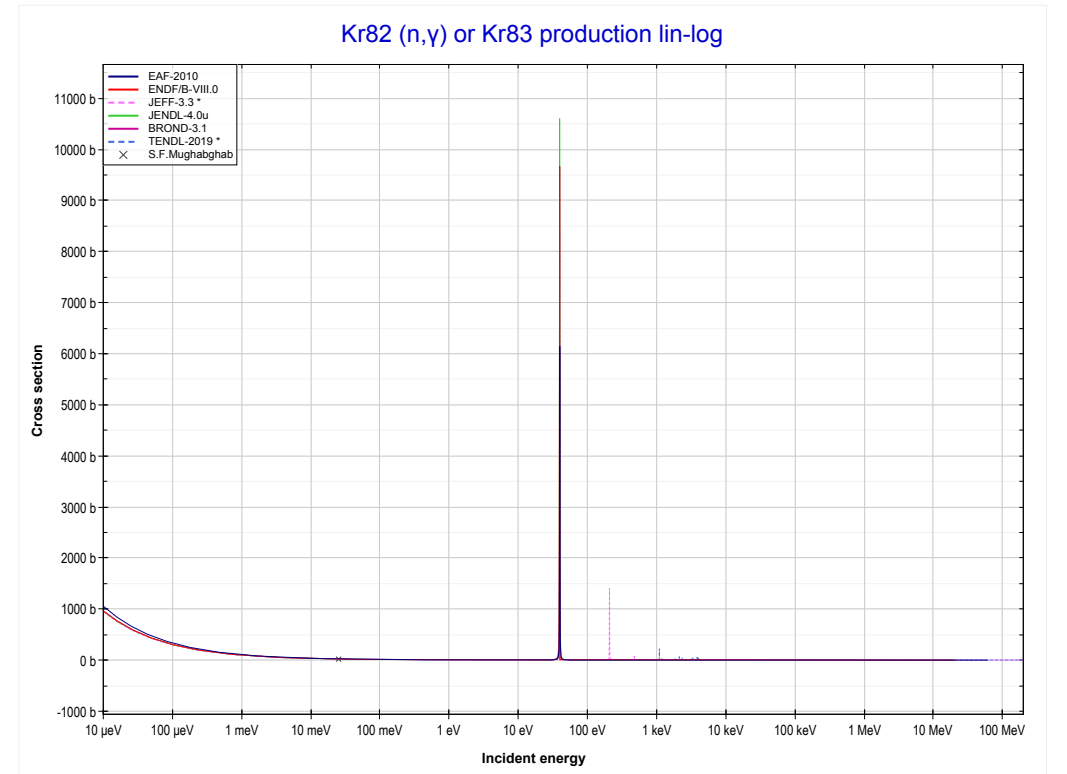
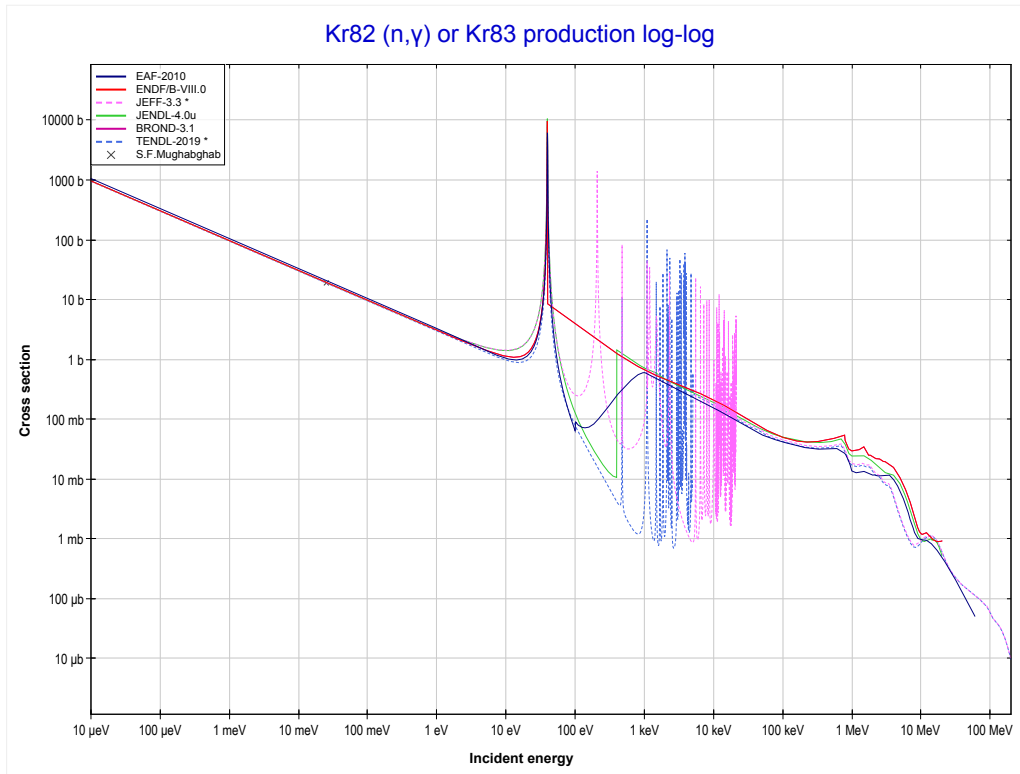
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00132409 b | 0.0595055 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00443127 b | 0.0870353 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0024861 b | 0.06455 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00132409 b | 0.0595055 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00443479 b | 0.08739 b |

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|-------------------------|---|-------------------------|
| << 36-Kr-80 | 36-Kr-82 | 36-Kr-86 >> |
| << 36-Kr-80 MT103 (n,p) | MT16 (n,2n) or MT5 (Kr81 production) | MT102 (n, γ) >> |



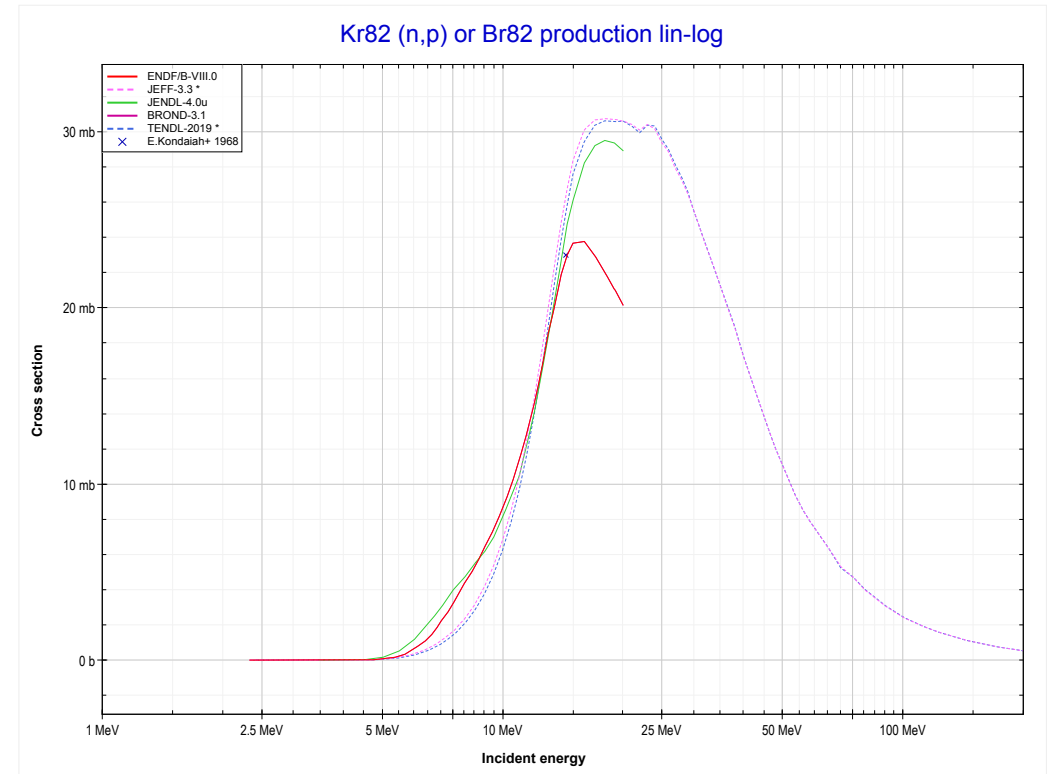
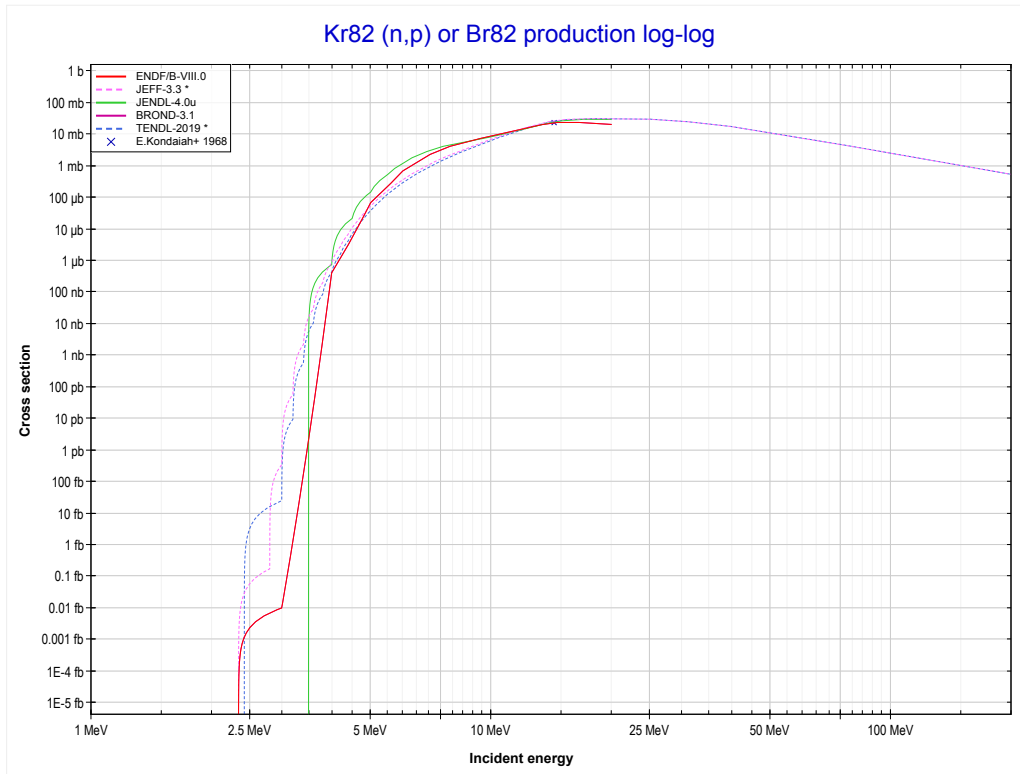
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.87195E-4 b | 0.961806 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95372E-4 b | 0.933588 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.16865E-4 b | 0.9856 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.87195E-4 b | 0.961806 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.69095E-4 b | 0.915035 b |

| | | |
|----------------|---|----------------|
| << 36-Kr-80 | 36-Kr-82 | 36-Kr-83 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Kr83 production) | MT103 (n,p) >> |



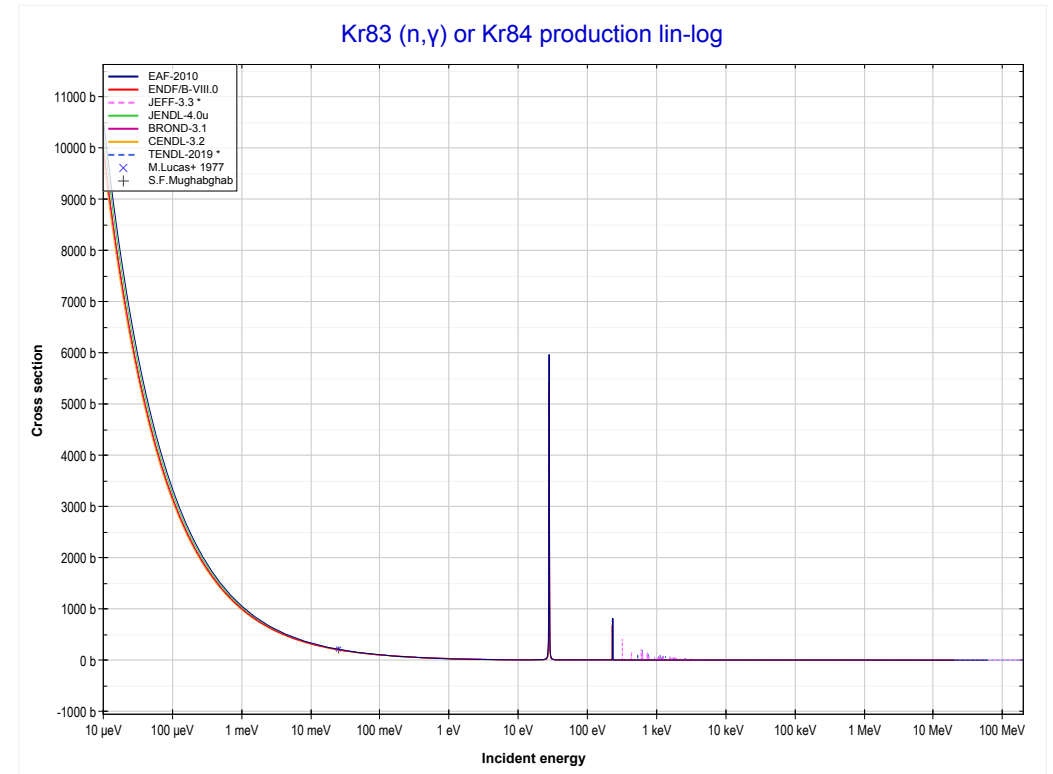
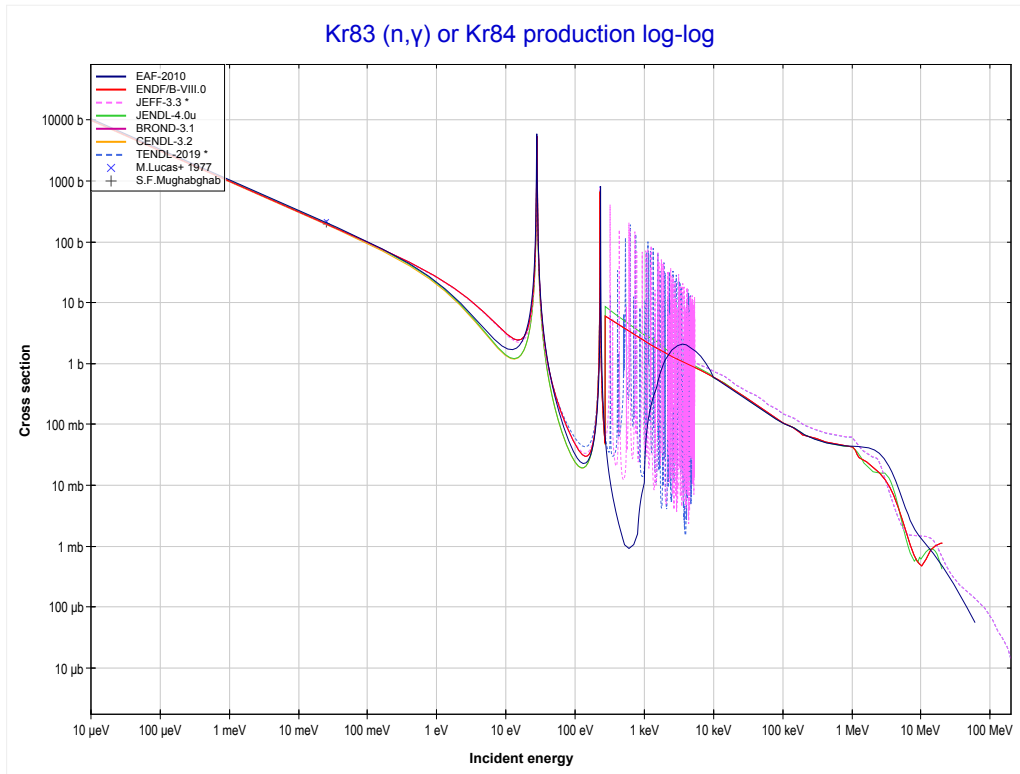
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 21 b | 20.9843 b | 20.976 b | 0.99958 | 127.577 b | 0.0171437 b | 8.35768E-4 b |
| ENDF/B-VIII.0 | 19.1665 b | 19.1665 b | 19.175 b | 1.00045 | 160.171 b | 0.0294764 b | 0.00103682 b |
| JEFF-3.3 | 18.9223 b | 18.9223 b | 18.936 b | 1.00072 | 129.945 b | 0.0190914 b | 0.00111546 b |
| JENDL-4.0u | 19.0761 b | 19.0761 b | 19.09 b | 1.00072 | 224.273 b | 0.0247271 b | 0.001002 b |
| BROND-3.1 | 19.1665 b | 19.1665 b | 19.175 b | 1.00045 | 160.171 b | 0.0294764 b | 0.00103682 b |
| TENDL-2019 | 18.9009 b | 18.9009 b | 18.9 b | 0.99997 | 139.536 b | 0.0178987 b | 0.00110269 b |

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|-------------------------|---|----------------------------------|
| << 36-Kr-80 | 36-Kr-82 | 36-Kr-84 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Br82 production) | 36-Kr-83 MT102 (n, γ) >> |



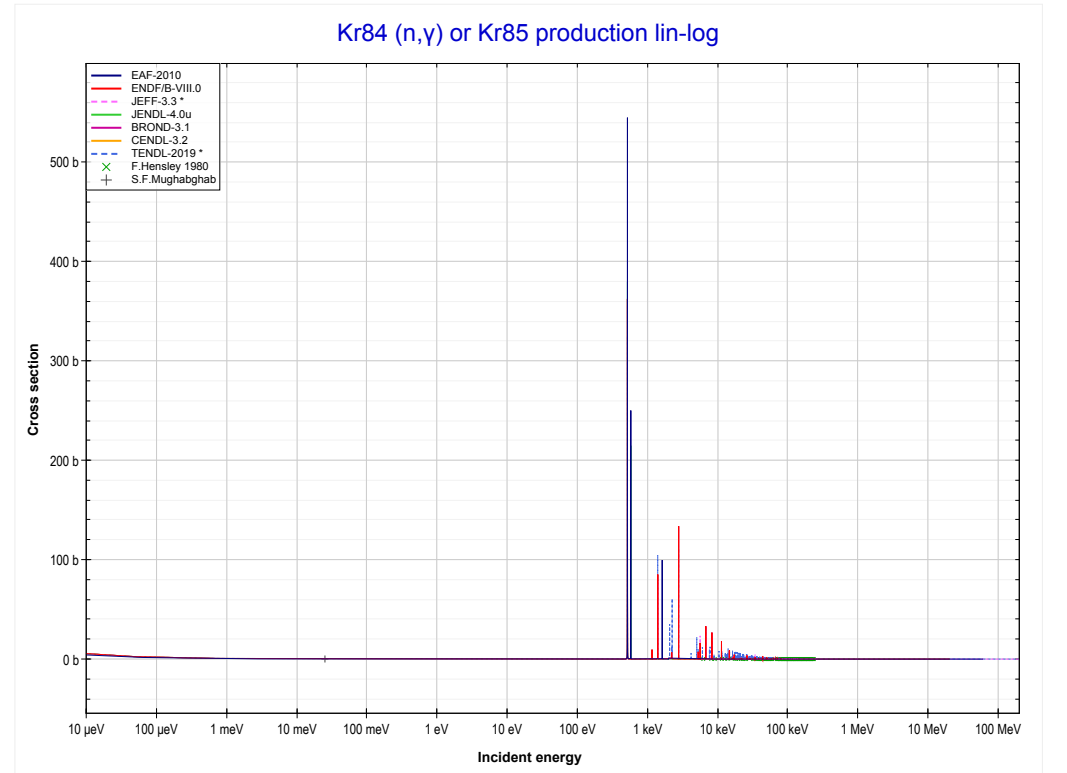
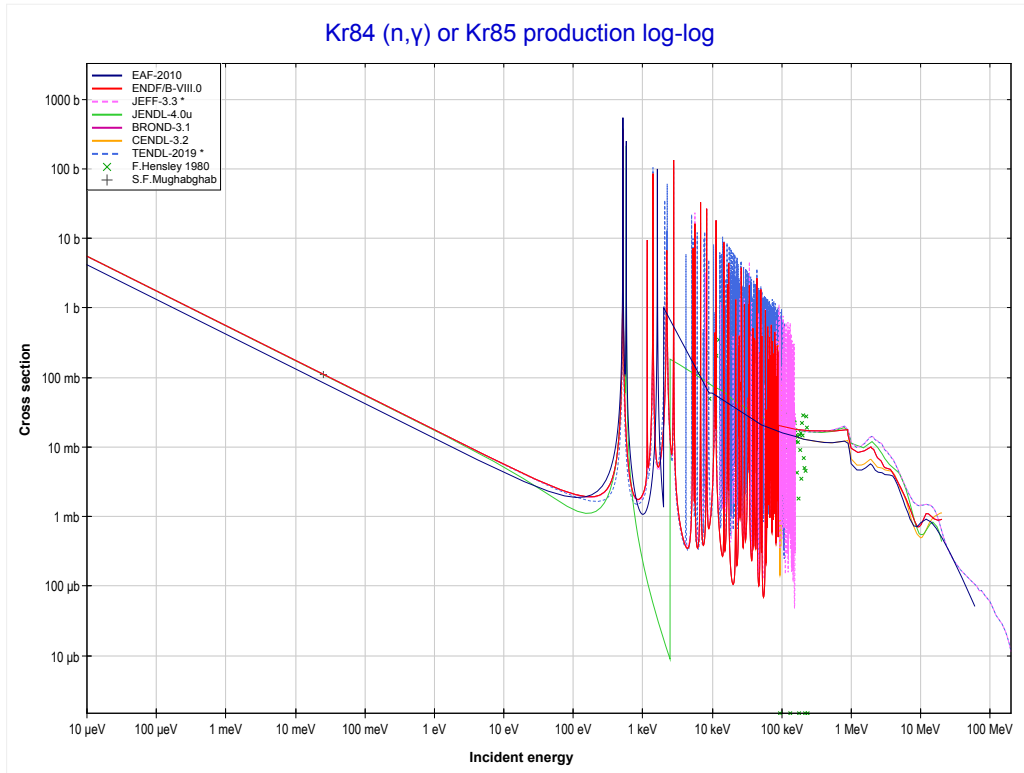
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09238E-4 b | 0.0218585 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.4208E-5 b | 0.0247997 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.35056E-4 b | 0.02262 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09238E-4 b | 0.0218585 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.58212E-5 b | 0.0238229 b |

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|-------------------------|---|----------------------------------|
| << 36-Kr-82 | 36-Kr-83 | 36-Kr-84 >> |
| << 36-Kr-82 MT103 (n,p) | MT102 (n,γ) or MT5 (Kr84 production) | 36-Kr-84 MT102 (n, γ) >> |



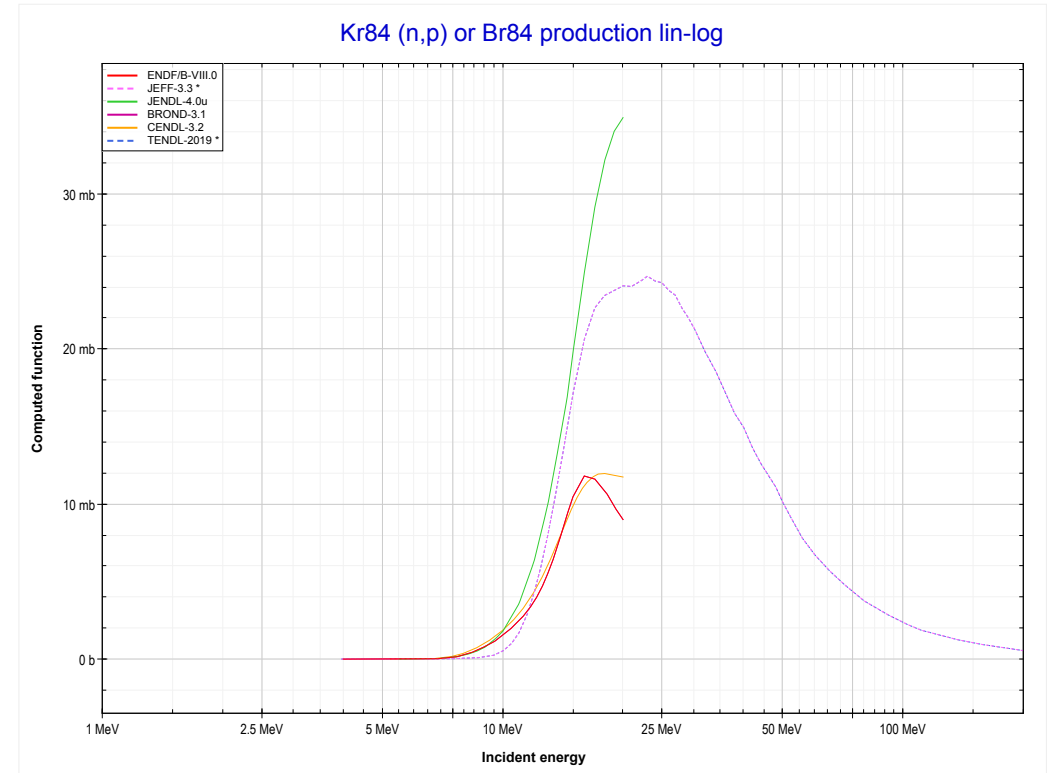
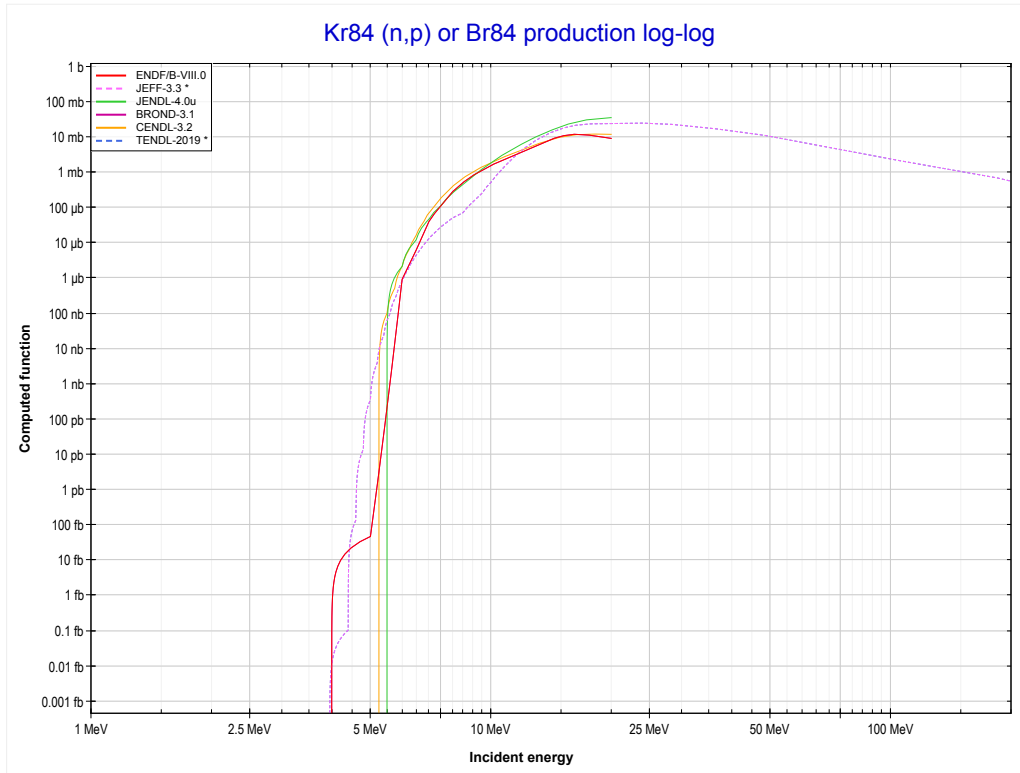
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 207.833 b | 207.674 b | 206.39 b | 0.99382 | 191.389 b | 0.0398912 b | 8.46273E-4 b |
| ENDF/B-VIII.0 | 198.166 b | 198.166 b | 197.77 b | 0.99799 | 188.291 b | 0.0313116 b | 8.8067E-4 b |
| JEFF-3.3 | 197.191 b | 197.191 b | 196.79 b | 0.99795 | 169.683 b | 0.0436014 b | 0.00135424 b |
| JENDL-4.0u | 202.32 b | 202.32 b | 201.18 b | 0.99437 | 153.846 b | 0.0309645 b | 9.14E-4 b |
| BROND-3.1 | 198.166 b | 198.166 b | 197.77 b | 0.99799 | 188.291 b | 0.0313116 b | 8.8067E-4 b |
| CENDL-3.2 | 192.47 b | 192.47 b | 191.32 b | 0.99401 | 149.681 b | 0.0313146 b | 8.8067E-4 b |
| TENDL-2019 | 196.266 b | 196.266 b | 195.8 b | 0.99763 | 184.006 b | 0.0431228 b | 0.00135325 b |

| | | |
|----------------------------------|---|----------------|
| << 36-Kr-83 | 36-Kr-84 | 36-Kr-85 >> |
| << 36-Kr-83 MT102 (n, γ) | MT102 (n,γ) or MT5 (Kr85 production) | MT103 (n,p) >> |



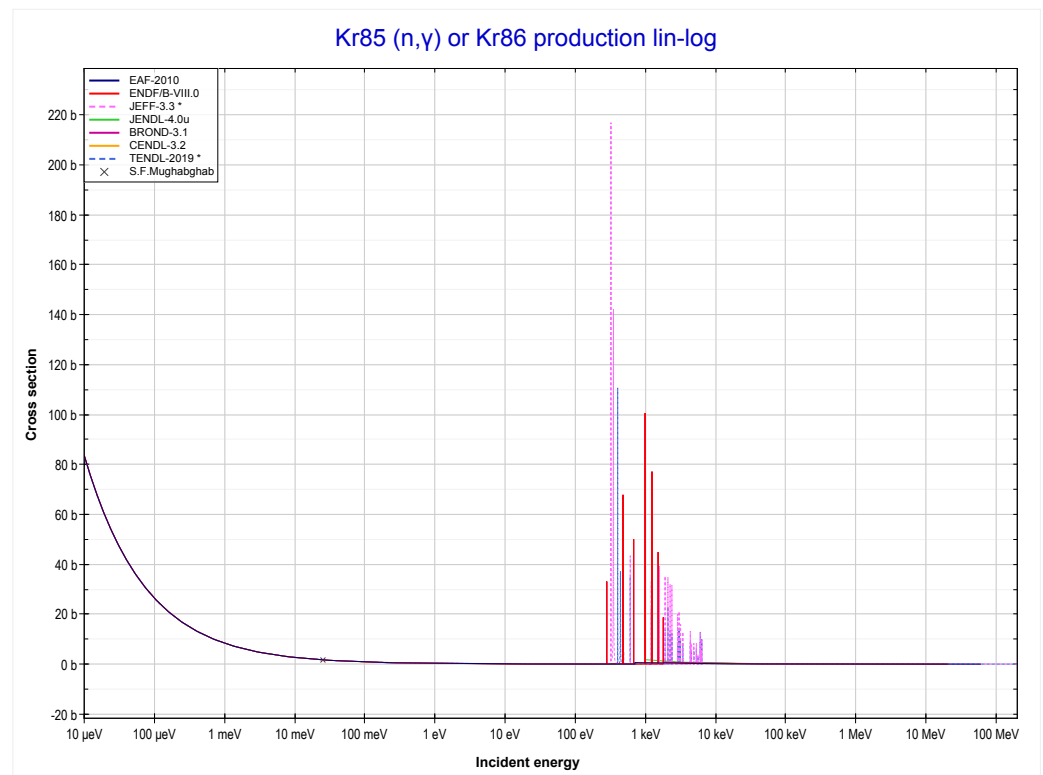
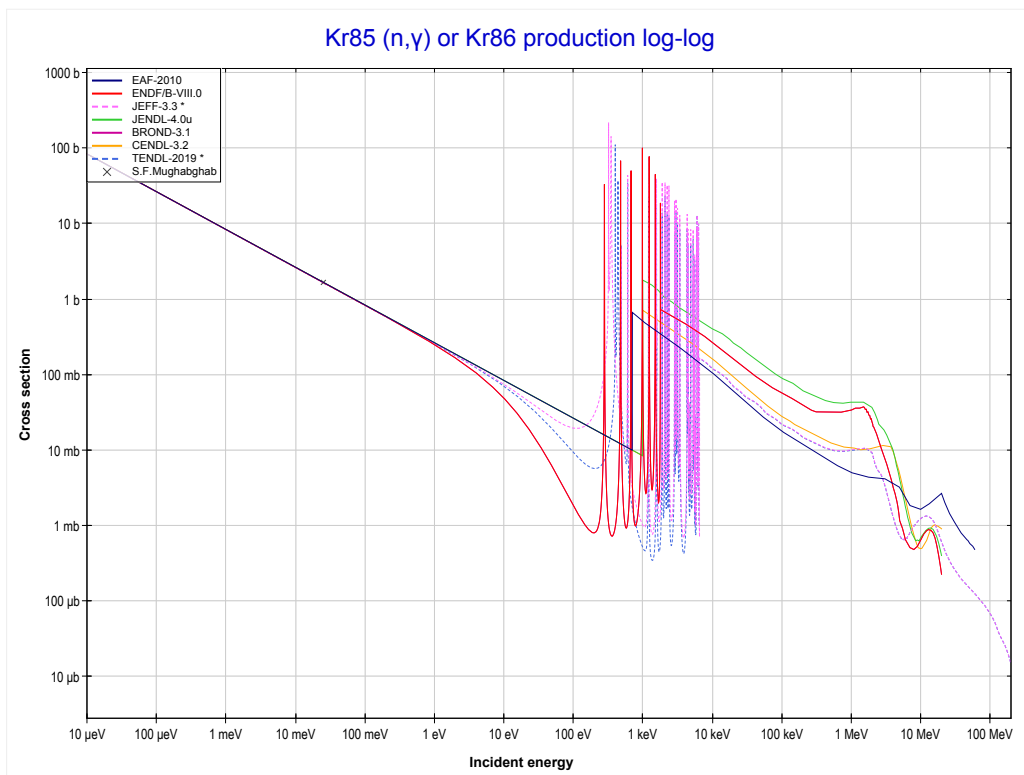
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0829582 b | 0.0828961 b | 0.082882 b | 0.99983 | 3.84862 b | 0.00682682 b | 8.42732E-4 b |
| ENDF/B-VIII.0 | 0.110025 b | 0.110025 b | 0.11007 b | 1.0004 | 2.11778 b | 0.0099579 b | 0.00101862 b |
| JEFF-3.3 | 0.109693 b | 0.109693 b | 0.10974 b | 1.0004 | 2.08952 b | 0.0123126 b | 0.00144688 b |
| JENDL-4.0u | 0.110039 b | 0.110039 b | 0.11007 b | 1.00028 | 2.33522 b | 0.0113168 b | 8.004E-4 b |
| BROND-3.1 | 0.110025 b | 0.110025 b | 0.11007 b | 1.0004 | 2.11778 b | 0.0099579 b | 0.00101862 b |
| CENDL-3.2 | 0.109994 b | 0.109994 b | 0.11 b | 1.00007 | 2.11614 b | 0.00724827 b | 8.7515E-4 b |
| TENDL-2019 | 0.109511 b | 0.109511 b | 0.10952 b | 1.00006 | 2.39718 b | 0.0133754 b | 0.00143937 b |

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|-------------------------|---|----------------------------------|
| << 36-Kr-82 | 36-Kr-84 | 37-Rb-84 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Br84 production) | 36-Kr-85 MT102 (n, γ) >> |



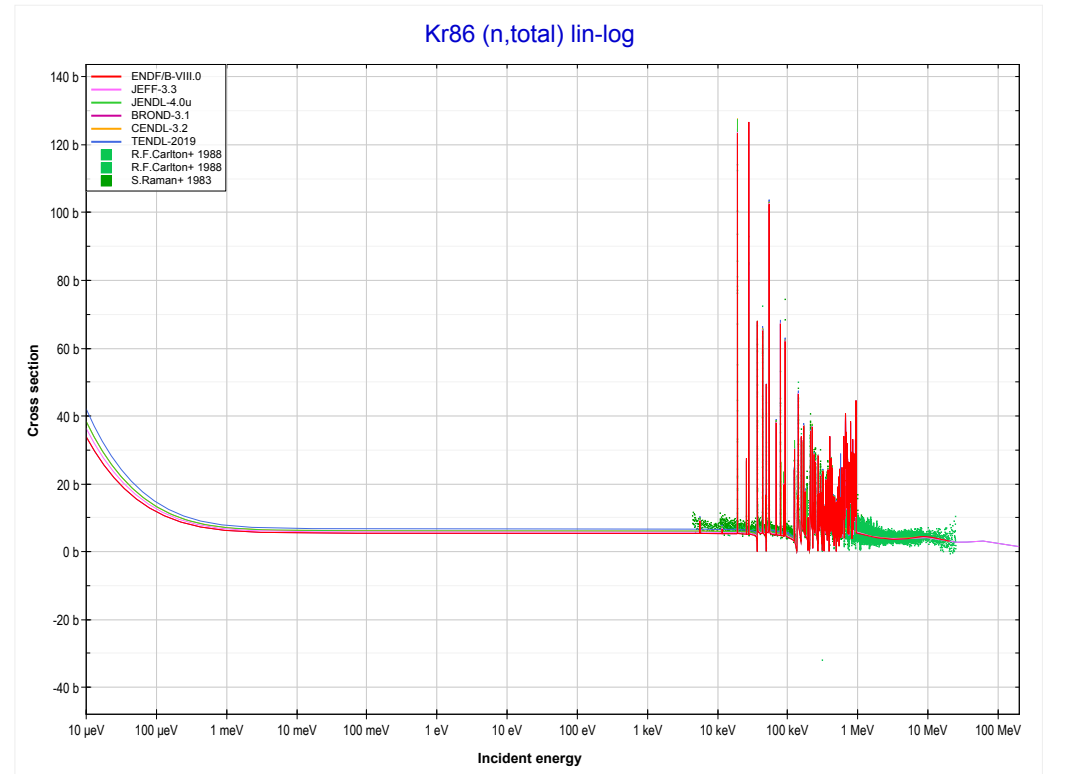
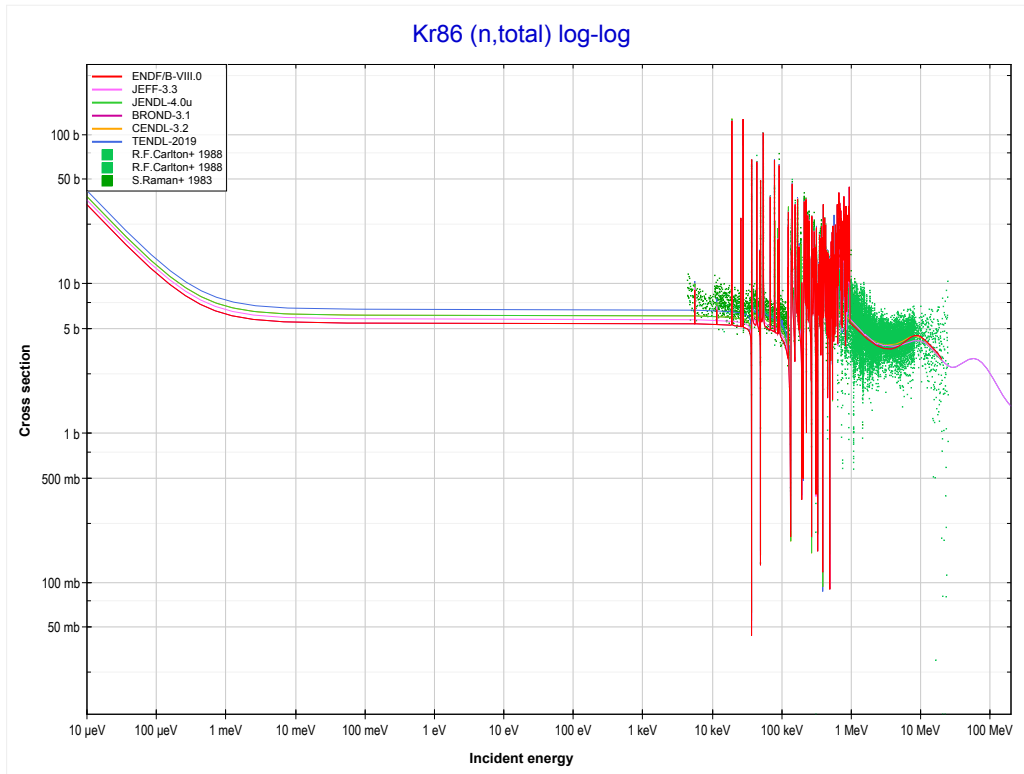
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15411E-5 b | 0.0080137 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.17035E-6 b | 0.0125884 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.60479E-5 b | 0.0146 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15411E-5 b | 0.0080137 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.42338E-5 b | 0.0080605 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.17077E-6 b | 0.0125892 b |

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|-------------------------|---|---------------------------|
| << 36-Kr-84 | 36-Kr-85 | 36-Kr-86 >> |
| << 36-Kr-84 MT103 (n,p) | MT102 (n,y) or MT5 (Kr86 production) | 36-Kr-86 MT1 (n,total) >> |



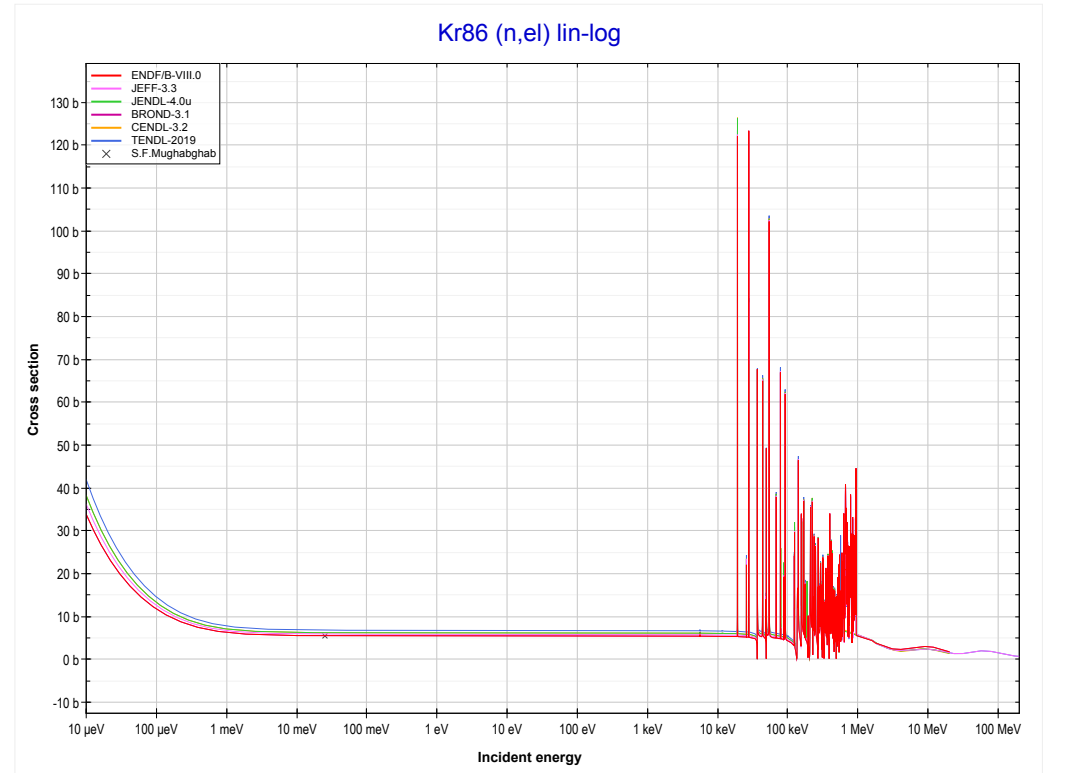
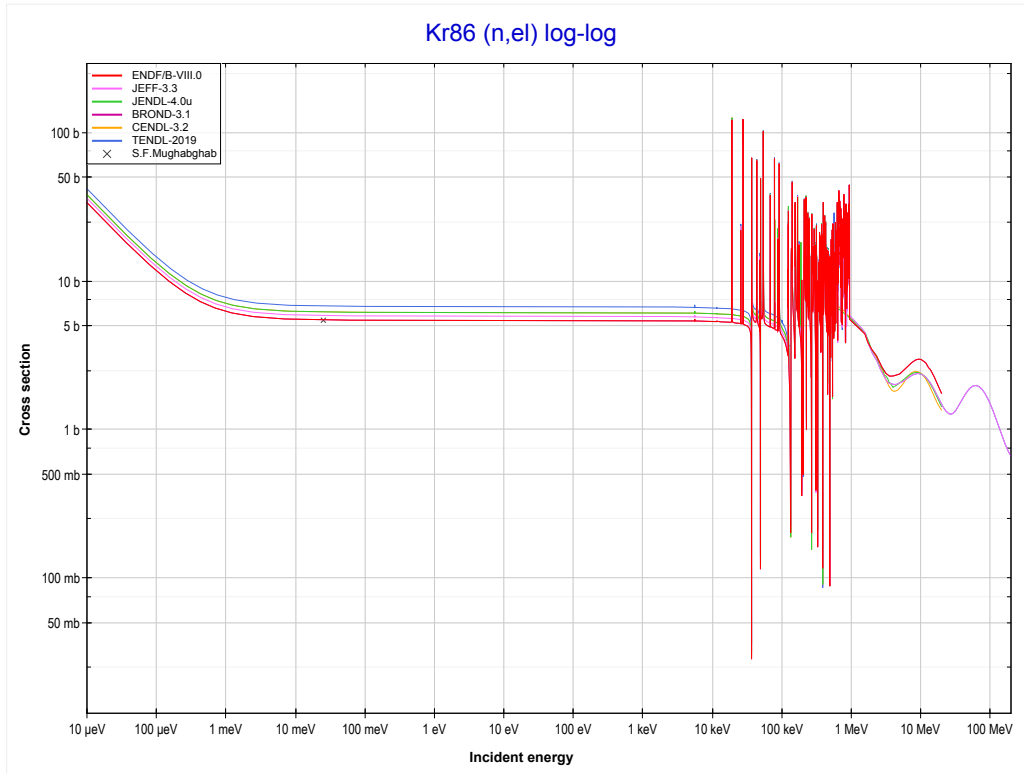
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.66193 b | 1.66068 b | 1.6603 b | 0.99978 | 1.64029 b | 0.00557342 b | 0.00200389 b |
| ENDF/B-VIII.0 | 1.66271 b | 1.66271 b | 1.6621 b | 0.99963 | 2.71332 b | 0.0246133 b | 8.68454E-4 b |
| JEFF-3.3 | 1.65401 b | 1.65401 b | 1.6544 b | 1.00022 | 4.82629 b | 0.0083174 b | 0.00125872 b |
| JENDL-4.0u | 1.66052 b | 1.66052 b | 1.6611 b | 1.00038 | 3.33702 b | 0.0349748 b | 9.277E-4 b |
| BROND-3.1 | 1.66271 b | 1.66271 b | 1.6621 b | 0.99963 | 2.71332 b | 0.0246133 b | 8.68454E-4 b |
| CENDL-3.2 | 1.66006 b | 1.66006 b | 1.6601 b | 1.00005 | 1.77115 b | 0.0114354 b | 8.8717E-4 b |
| TENDL-2019 | 1.65701 b | 1.65701 b | 1.6567 b | 0.99983 | 2.12119 b | 0.00819333 b | 0.00125859 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 34-Se-82 | 36-Kr-86 | 37-Rb-85 >> |
| << 36-Kr-85 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



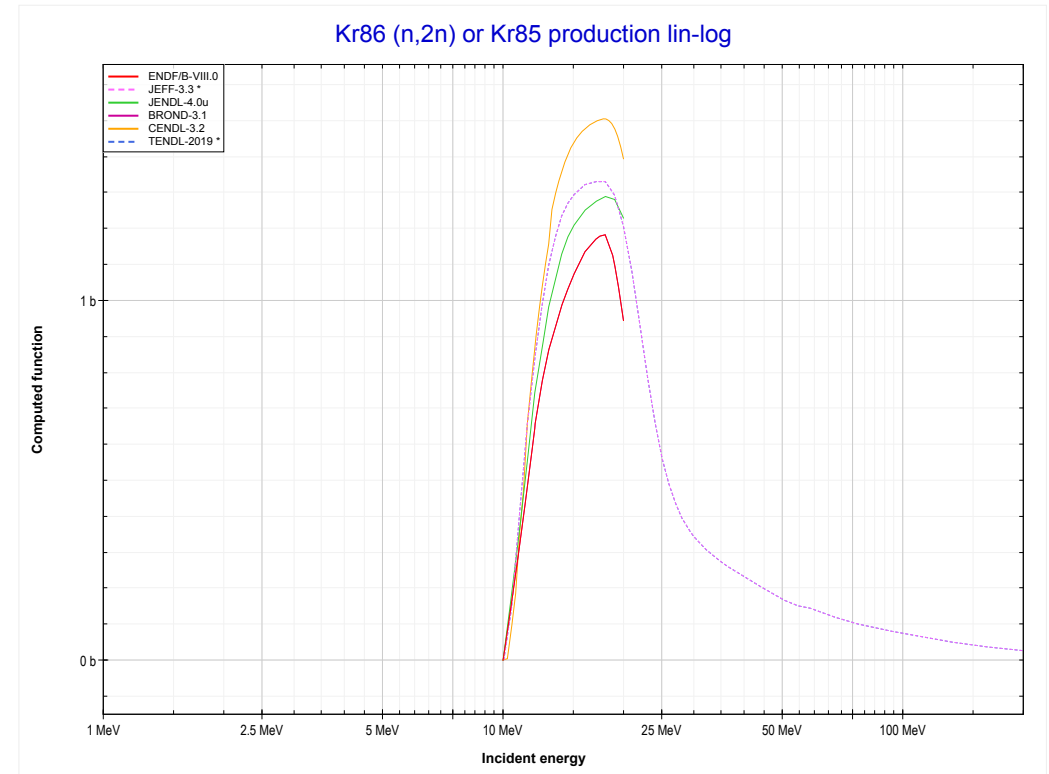
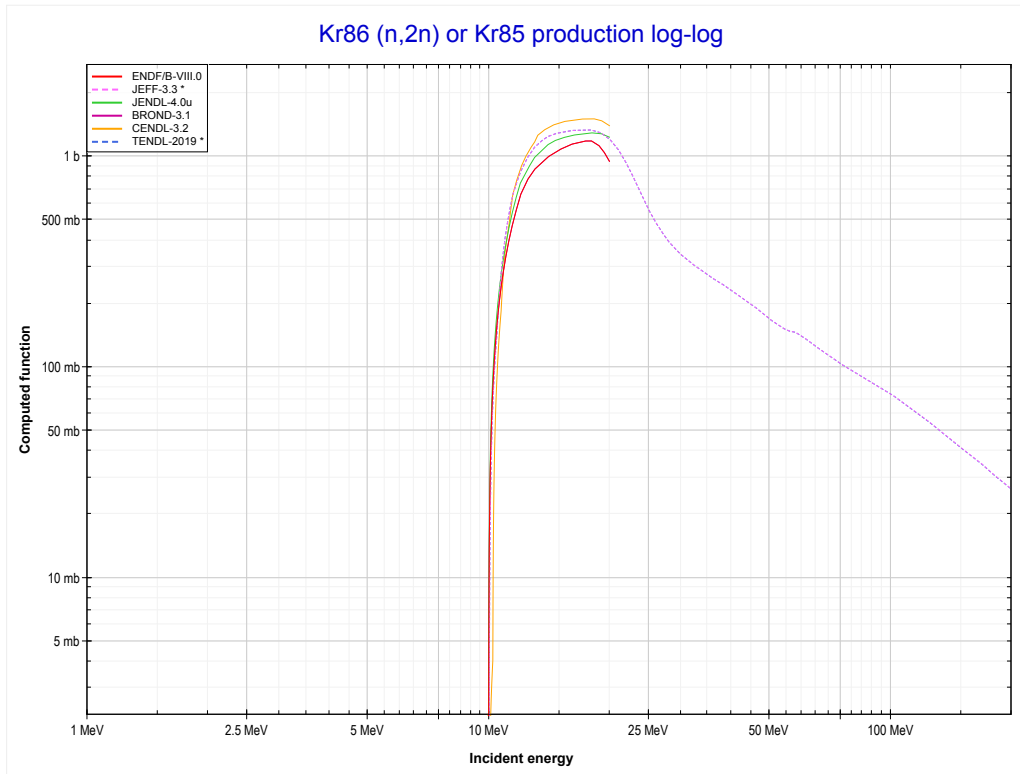
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.47332 b | 5.47332 b | 6.1758 b | 1.12834 | 67.2019 b | 6.38425 b | 3.84165 b |
| JEFF-3.3 | 5.85515 b | 5.85515 b | 6.6064 b | 1.1283 | 71.6068 b | 6.47138 b | 3.73201 b |
| JENDL-4.0u | 6.1887 b | 6.1887 b | 6.9827 b | 1.1283 | 75.6896 b | 5.22151 b | 3.721 b |
| BROND-3.1 | 5.47332 b | 5.47332 b | 6.1758 b | 1.12834 | 67.2019 b | 6.38425 b | 3.84165 b |
| CENDL-3.2 | 6.18878 b | 6.18878 b | 6.9832 b | 1.12837 | 75.7005 b | 5.27032 b | 3.7784 b |
| TENDL-2019 | 6.78588 b | 6.78588 b | 7.657 b | 1.12837 | 82.7267 b | 6.56424 b | 3.73202 b |

| | | |
|------------------|------------------------|----------------|
| << 34-Se-82 | 36-Kr-86 | 37-Rb-85 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



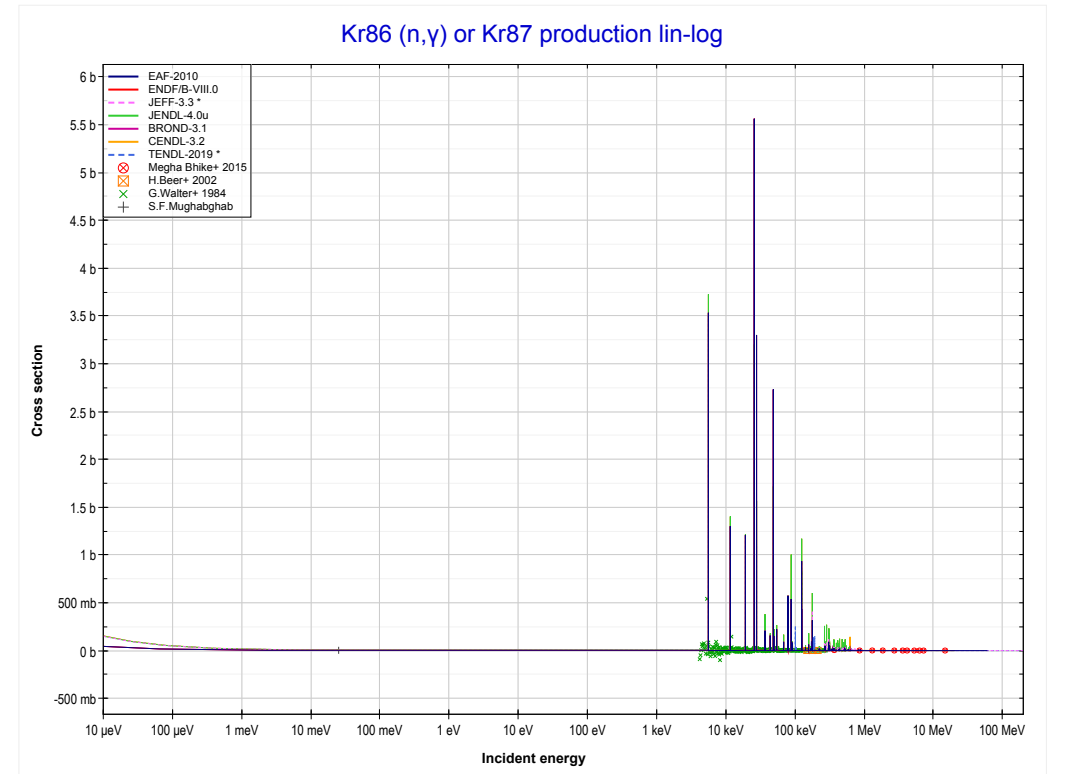
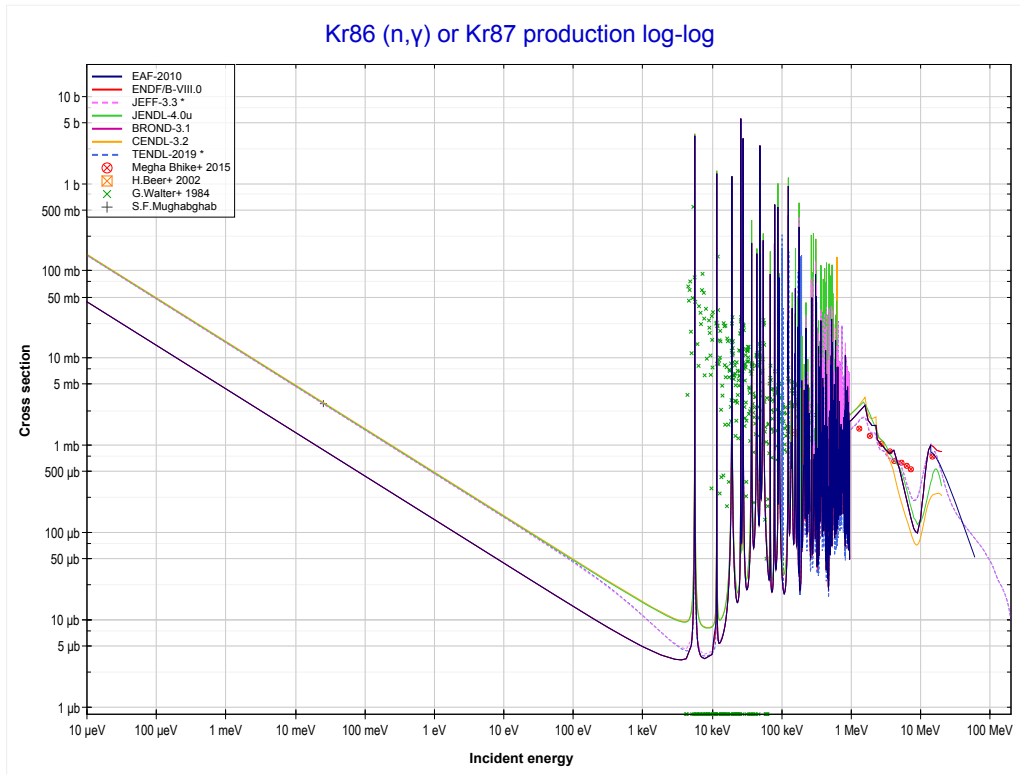
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.47244 b | 5.47244 b | 6.1749 b | 1.12837 | 67.1868 b | 5.88491 b | 2.51614 b |
| JEFF-3.3 | 5.85219 b | 5.85219 b | 6.6034 b | 1.12837 | 71.5933 b | 5.81362 b | 2.03874 b |
| JENDL-4.0u | 6.1857 b | 6.1857 b | 6.9797 b | 1.12837 | 75.6738 b | 4.59463 b | 2.00891 b |
| BROND-3.1 | 5.47244 b | 5.47244 b | 6.1749 b | 1.12837 | 67.1868 b | 5.88491 b | 2.51614 b |
| CENDL-3.2 | 6.1857 b | 6.1857 b | 6.9801 b | 1.12843 | 75.6792 b | 4.57582 b | 1.887 b |
| TENDL-2019 | 6.78284 b | 6.78284 b | 7.654 b | 1.12843 | 82.7106 b | 5.90658 b | 2.03874 b |

| | | |
|--------------------|---|-------------------------|
| << 36-Kr-82 | 36-Kr-86 | 37-Rb-85 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Kr85 production) | MT102 (n, γ) >> |



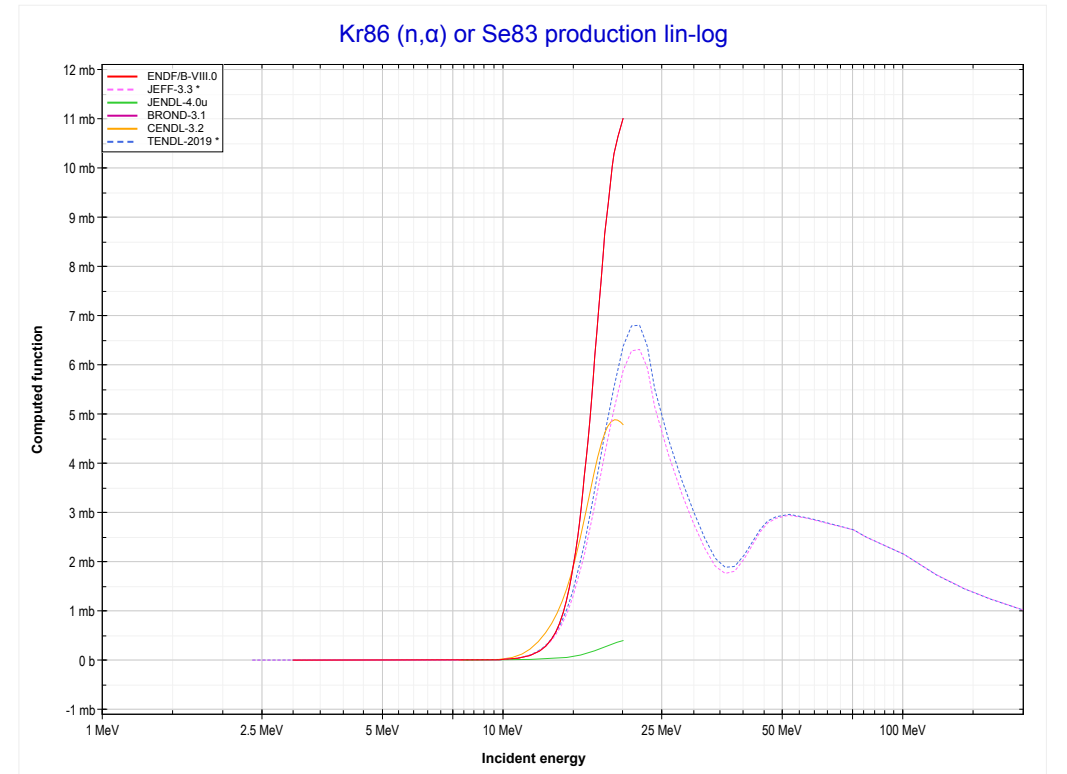
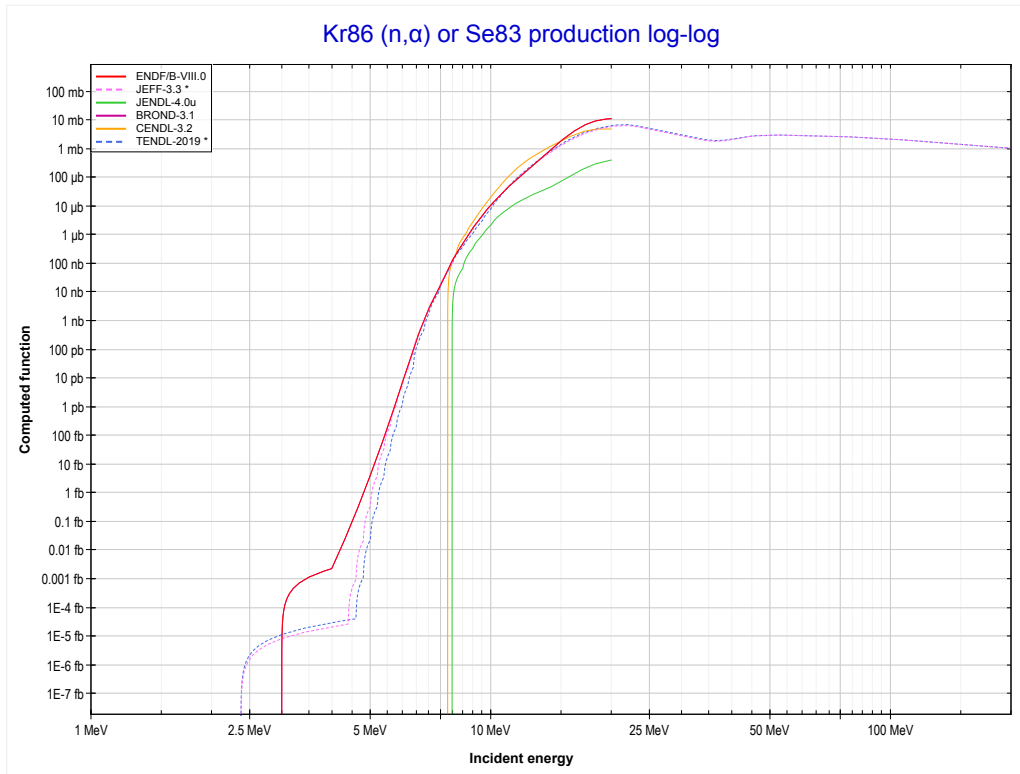
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94504E-4 b | 0.984103 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.83994E-4 b | 1.23363 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.04373E-4 b | 1.127 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94504E-4 b | 0.984103 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.63132E-4 b | 1.3559 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.8429E-4 b | 1.23374 b |

| | | |
|----------------|---|-------------------------|
| << 36-Kr-85 | 36-Kr-86 | 37-Rb-85 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Kr87 production) | MT107 (n, α) >> |



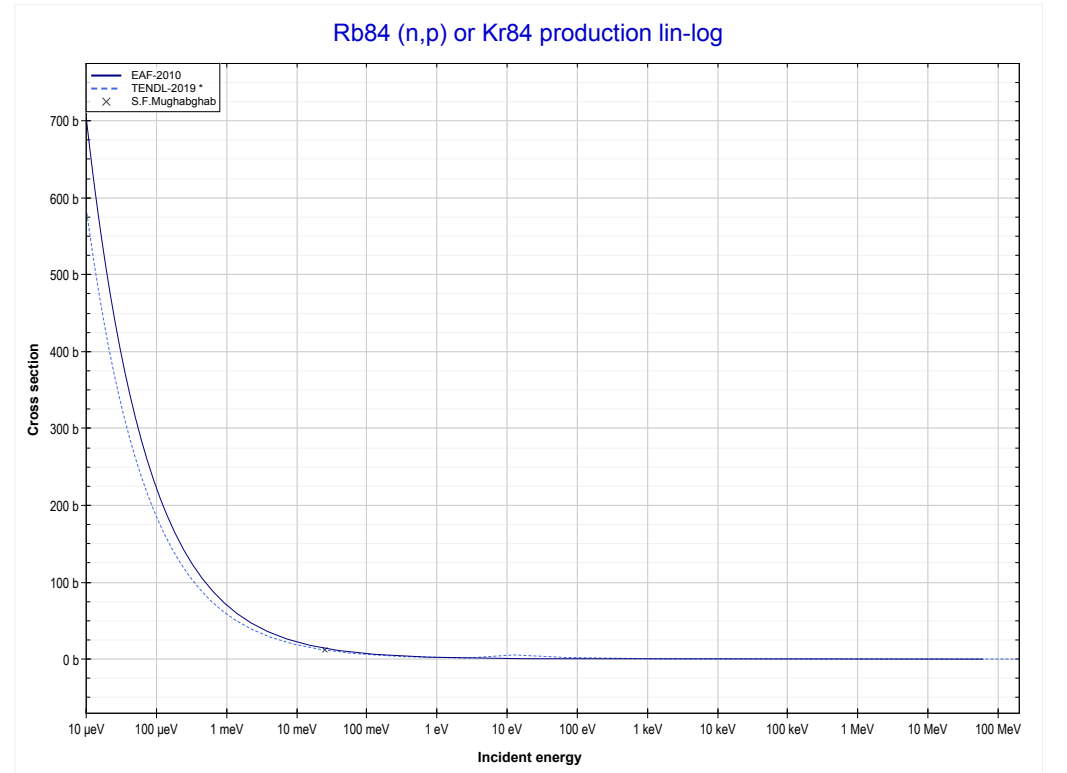
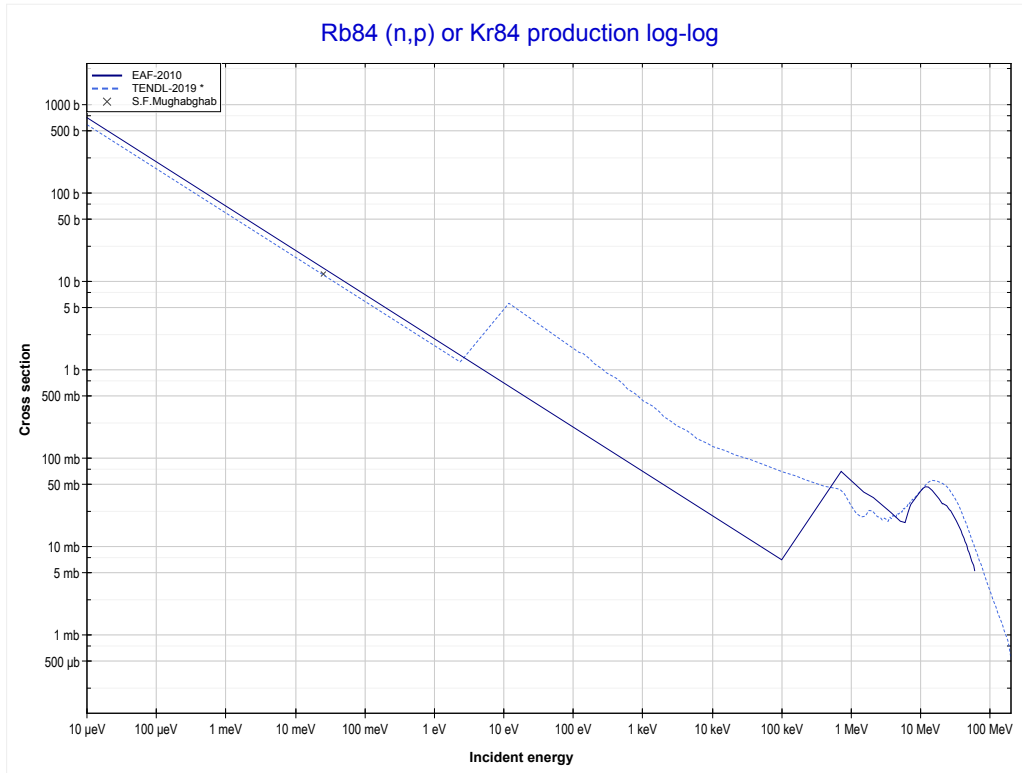
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.78034E-4 b | 8.77413E-4 b | 8.777E-4 b | 1.00037 | 0.0150854 b | 0.00126715 b | 8.36664E-4 b |
| ENDF/B-VIII.0 | 8.78134E-4 b | 8.78134E-4 b | 8.7847E-4 b | 1.00038 | 0.0150832 b | 0.00126727 b | 0.0010024 b |
| JEFF-3.3 | 0.00296524 b | 0.00296524 b | 0.0029663 b | 1.00037 | 0.0134985 b | 0.00116543 b | 8.09658E-4 b |
| JENDL-4.0u | 0.00300036 b | 0.00300036 b | 0.0030015 b | 1.00038 | 0.0157113 b | 0.00179033 b | 3.787E-4 b |
| BROND-3.1 | 8.78134E-4 b | 8.78134E-4 b | 8.7847E-4 b | 1.00038 | 0.0150832 b | 0.00126727 b | 0.0010024 b |
| CENDL-3.2 | 0.00308 b | 0.00308 b | 0.0030802 b | 1.00006 | 0.0157388 b | 0.00181444 b | 2.5203E-4 b |
| TENDL-2019 | 0.00304088 b | 0.00304088 b | 0.003041 b | 1.00005 | 0.0134118 b | 0.00107686 b | 8.09084E-4 b |

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|-------------------------|---|-------------------------|
| << 35-Br-81 | 36-Kr-86 | 37-Rb-85 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Se83 production) | 37-Rb-84 MT103 (n,p) >> |



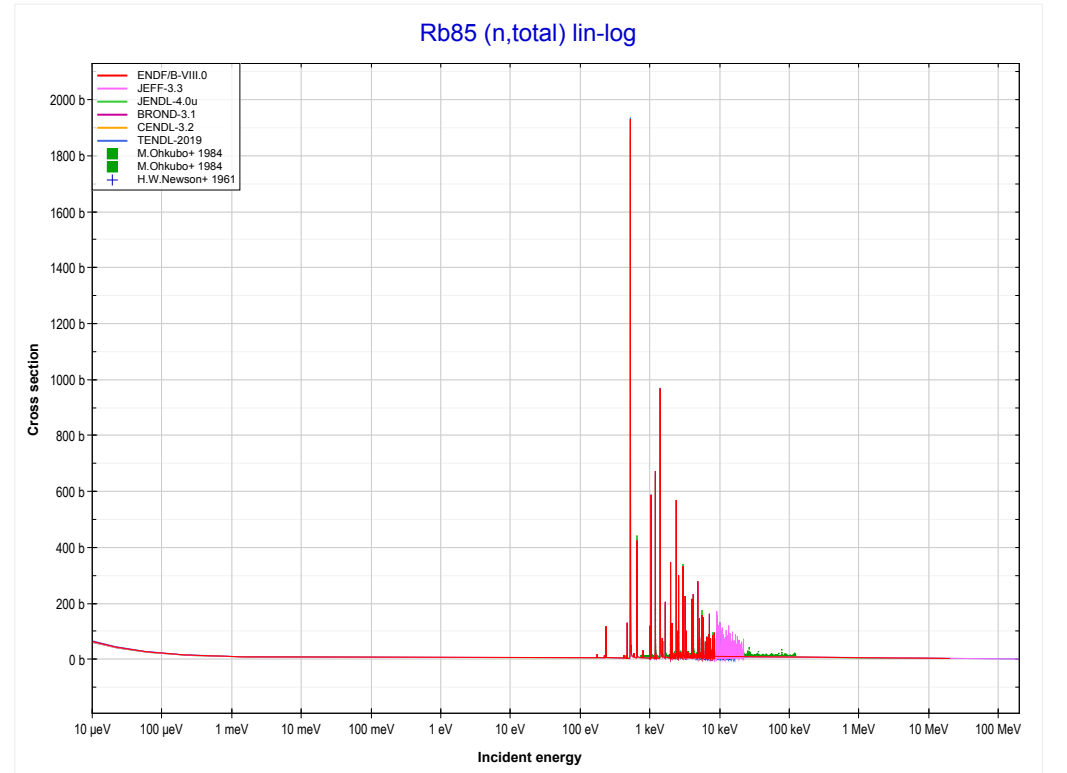
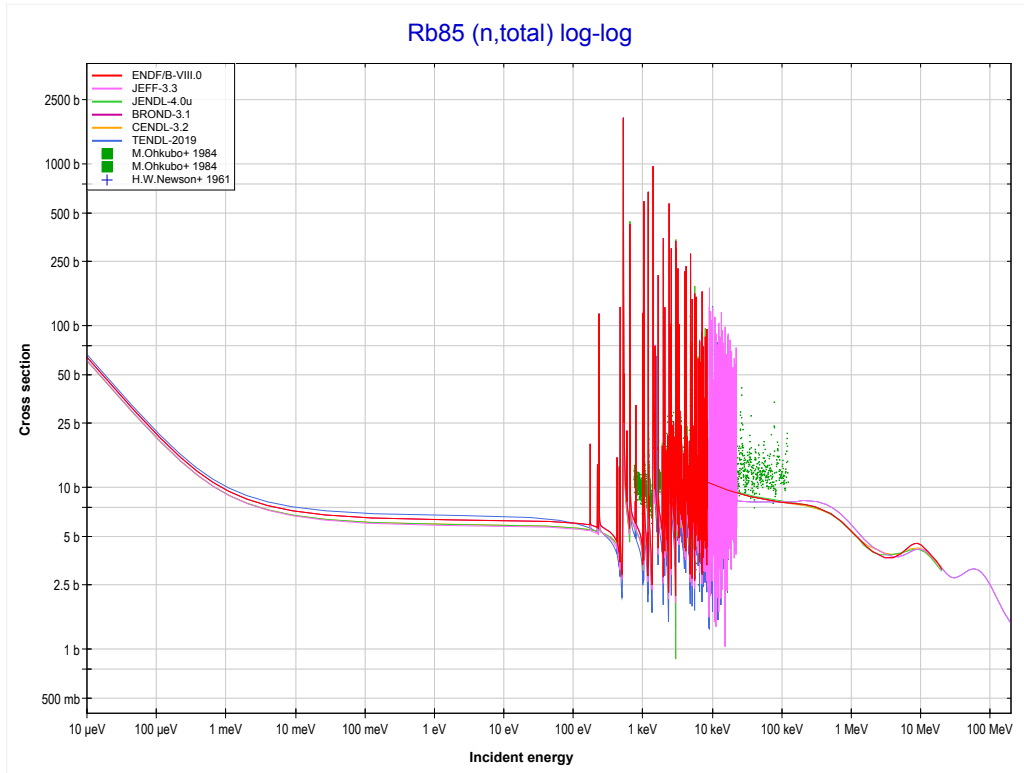
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.08847E-7 b | 8.30597E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.75877E-7 b | 6.91559E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.32116E-8 b | 4.239E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.08847E-7 b | 8.30597E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.21731E-7 b | 0.001135 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.99723E-7 b | 7.54424E-4 b |

| | | |
|----------------------------------|---|---------------------------|
| << 36-Kr-84 | 37-Rb-84 | 37-Rb-85 >> |
| << 36-Kr-86 MT107 (n, α) | MT103 (n,p) or MT5 (Kr84 production) | 37-Rb-85 MT1 (n,total) >> |



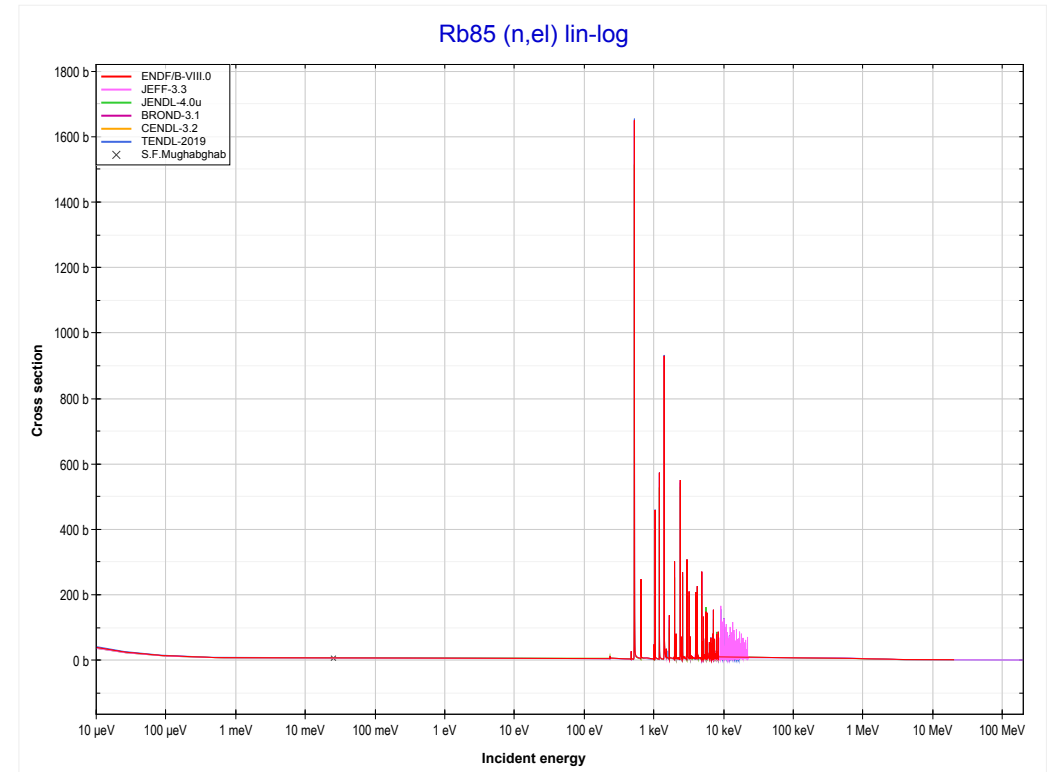
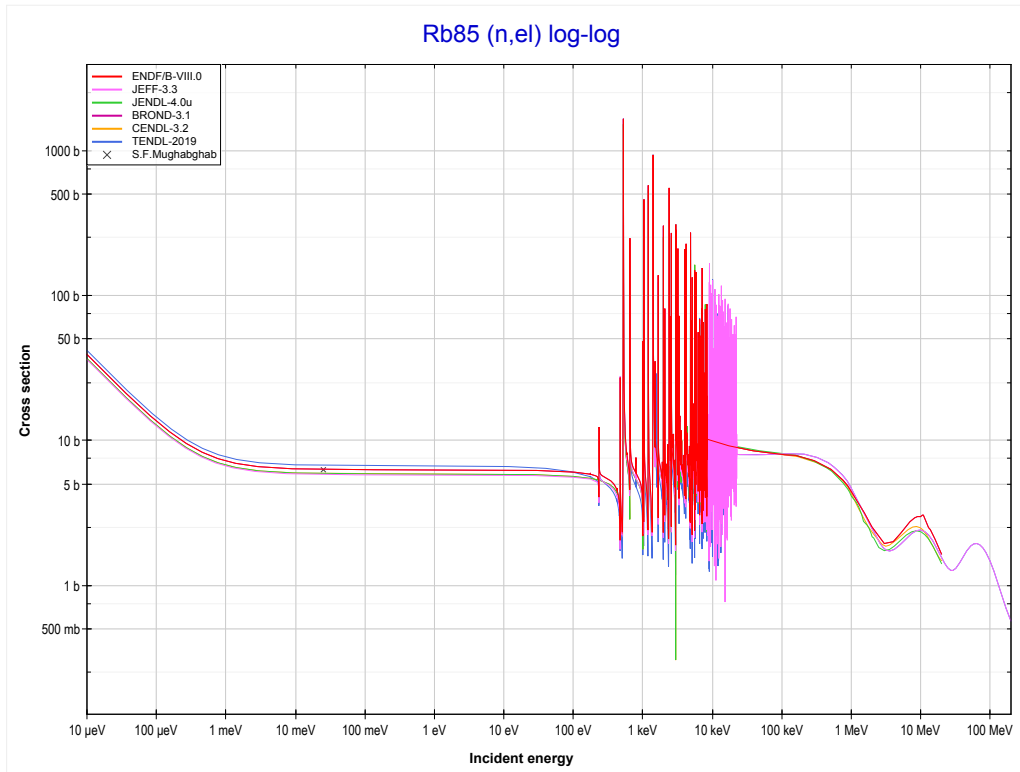
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 14 b | 13.9895 b | 13.991 b | 1.00008 | 6.28512 b | 0.0378646 b | 0.0445841 b |
| TENDL-2019 | 11.6852 b | 11.6852 b | 11.677 b | 0.99931 | 17.6228 b | 0.030774 b | 0.0548235 b |

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|-------------------------|----------------------|--------------------|
| << 36-Kr-86 | 37-Rb-85 | 37-Rb-87 >> |
| << 37-Rb-84 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



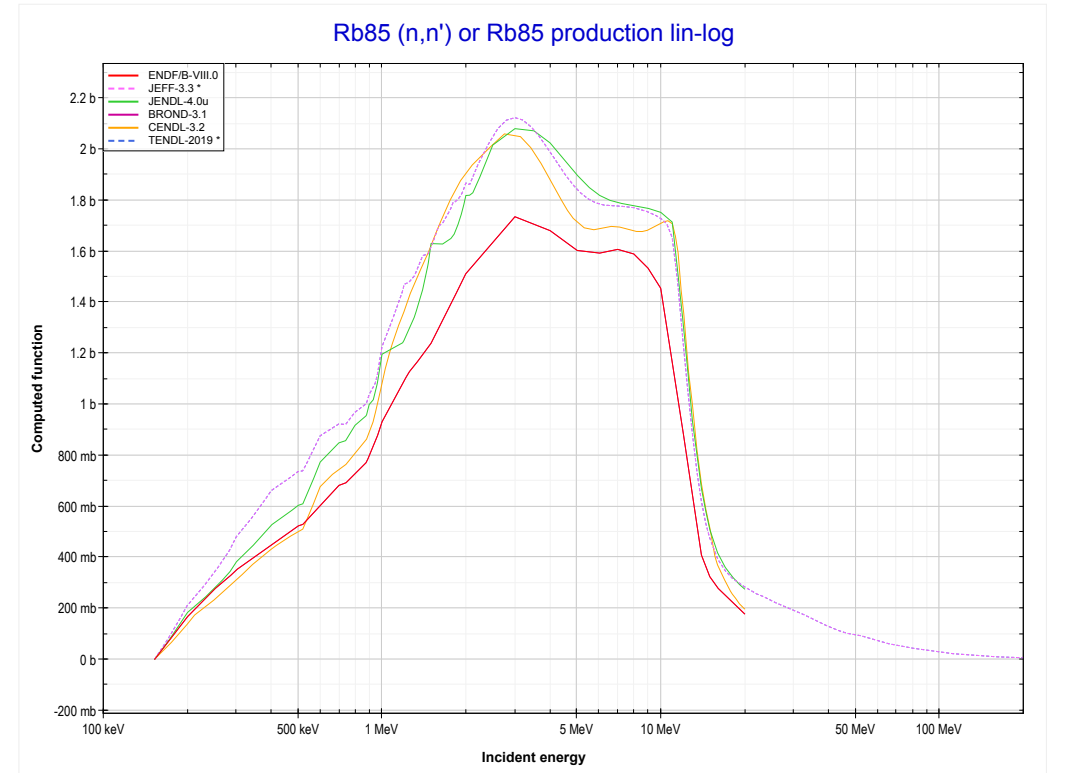
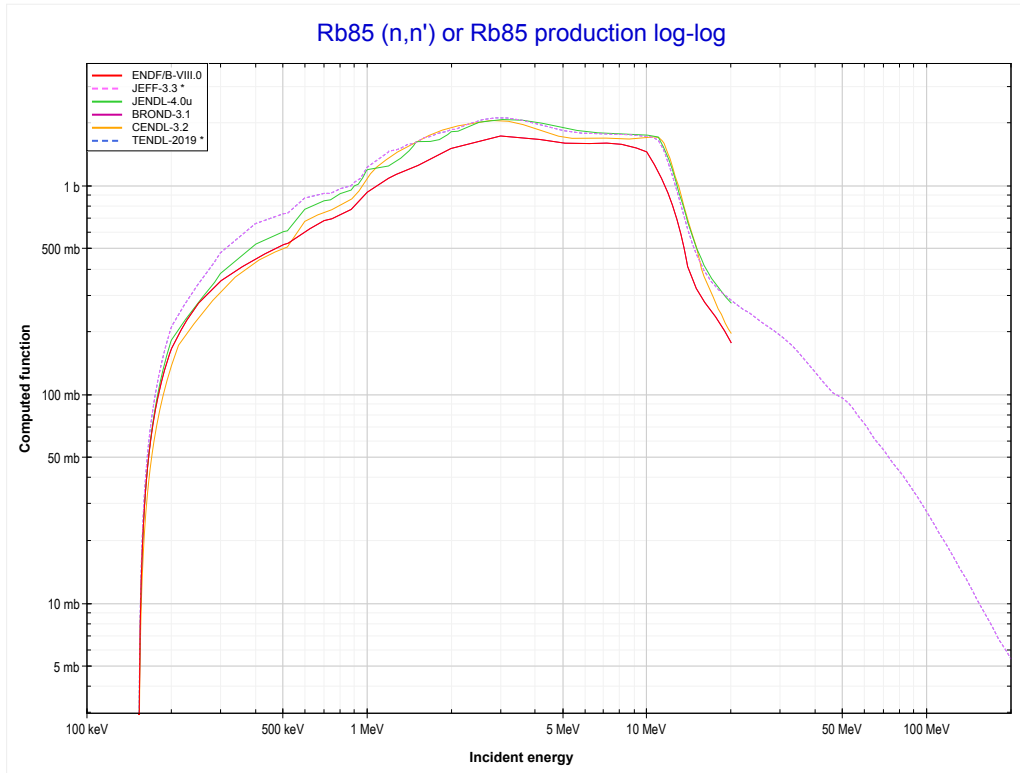
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.7836 b | 6.7836 b | 7.5911 b | 1.11904 | 119.178 b | 4.98568 b | 3.84195 b |
| JEFF-3.3 | 6.29866 b | 6.29866 b | 7.0433 b | 1.11822 | 116.656 b | 5.31264 b | 3.81533 b |
| JENDL-4.0u | 6.36894 b | 6.36894 b | 7.125 b | 1.11871 | 114.943 b | 4.98852 b | 3.695 b |
| BROND-3.1 | 6.78359 b | 6.78359 b | 7.5911 b | 1.11904 | 119.178 b | 4.98568 b | 3.84195 b |
| CENDL-3.2 | 6.3688 b | 6.3688 b | 7.1251 b | 1.11875 | 114.539 b | 5.05391 b | 3.71224 b |
| TENDL-2019 | 7.19742 b | 7.19742 b | 8.0585 b | 1.11964 | 114.01 b | 5.30749 b | 3.81533 b |

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|------------------|------------------------|---------------|
| << 36-Kr-86 | 37-Rb-85 | 37-Rb-87 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



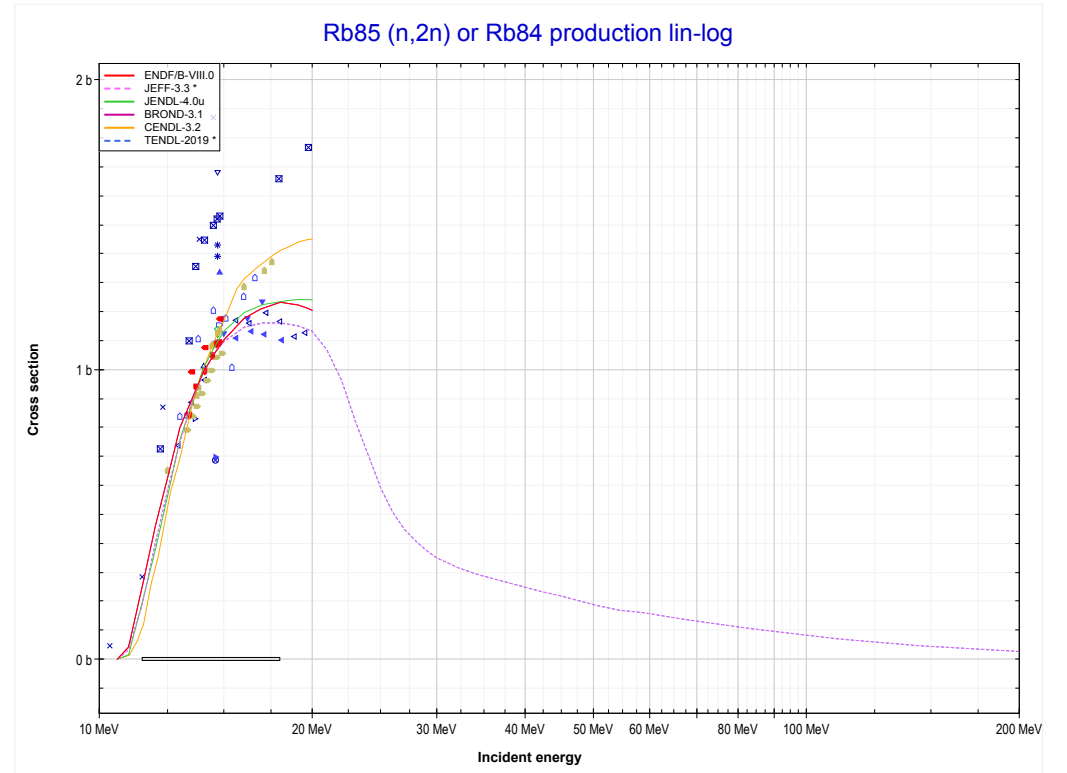
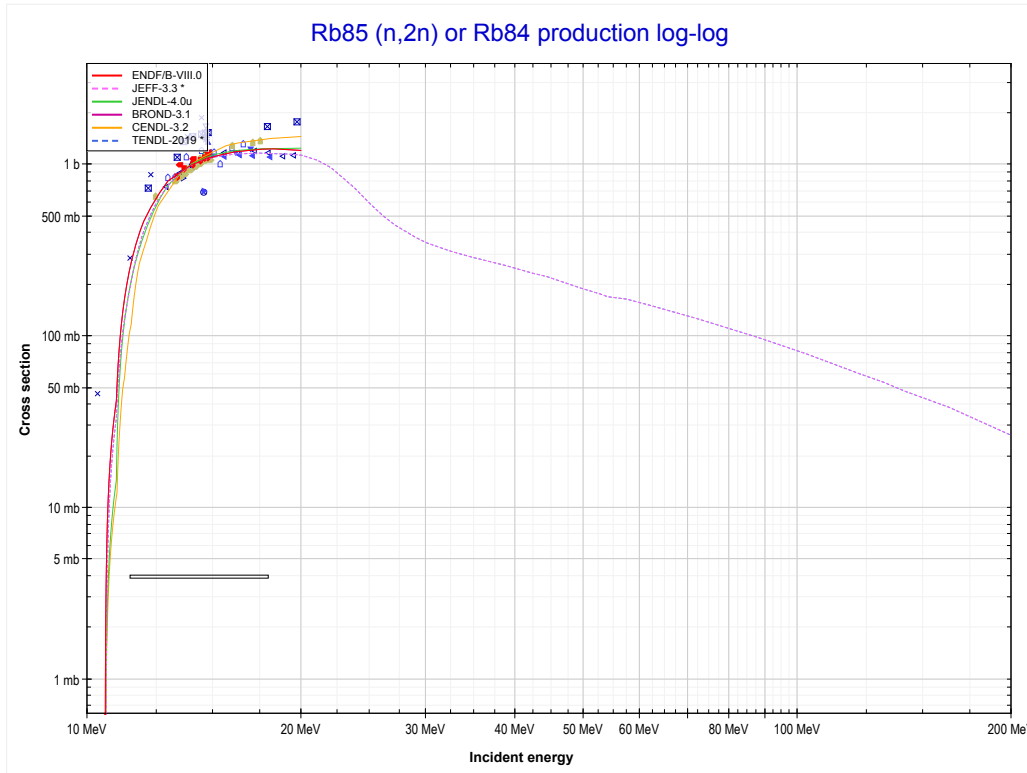
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.29002 b | 6.29002 b | 7.0974 b | 1.12836 | 111.746 b | 3.78874 b | 2.39972 b |
| JEFF-3.3 | 5.79976 b | 5.79976 b | 6.5442 b | 1.12836 | 109.133 b | 3.82618 b | 2.12533 b |
| JENDL-4.0u | 5.8888 b | 5.8888 b | 6.6447 b | 1.12835 | 106.377 b | 3.55334 b | 1.97511 b |
| BROND-3.1 | 6.29002 b | 6.29002 b | 7.0974 b | 1.12836 | 111.746 b | 3.78874 b | 2.39972 b |
| CENDL-3.2 | 5.8888 b | 5.8888 b | 6.6451 b | 1.12842 | 105.973 b | 3.63417 b | 1.97973 b |
| TENDL-2019 | 6.70599 b | 6.70599 b | 7.5671 b | 1.1284 | 106.806 b | 3.82179 b | 2.12533 b |

| | | |
|--------------------|--|----------------|
| << 35-Br-79 | 37-Rb-85 | 38-Sr-87 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Rb85 production) | MT16 (n,2n) >> |



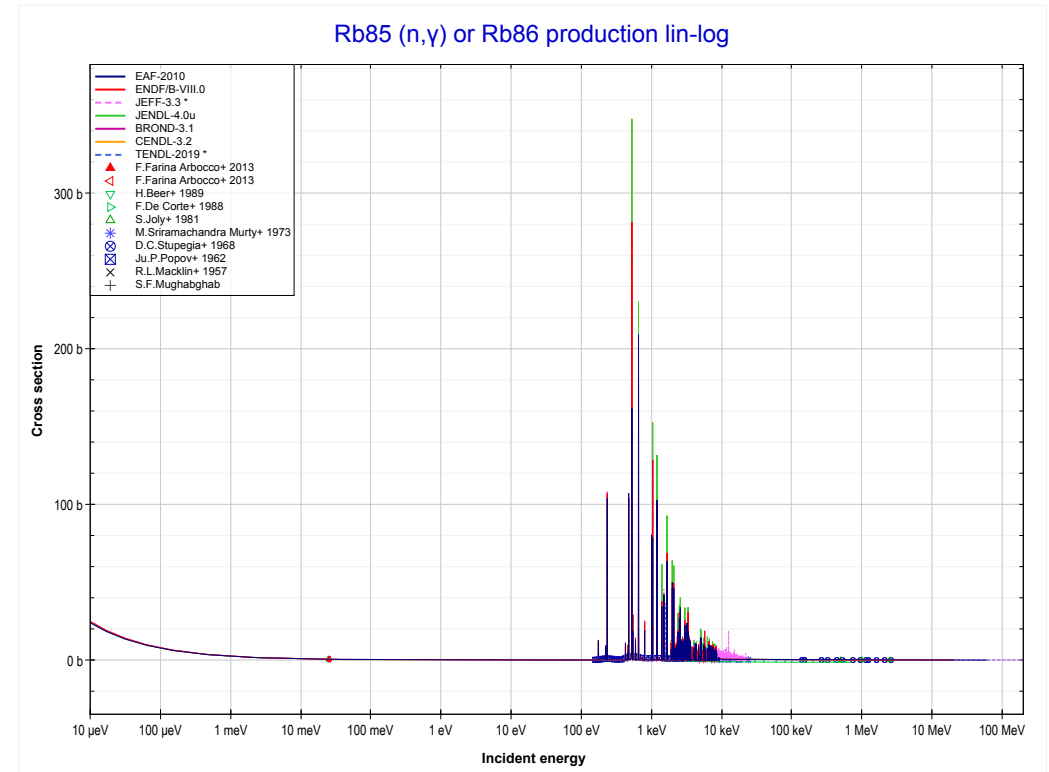
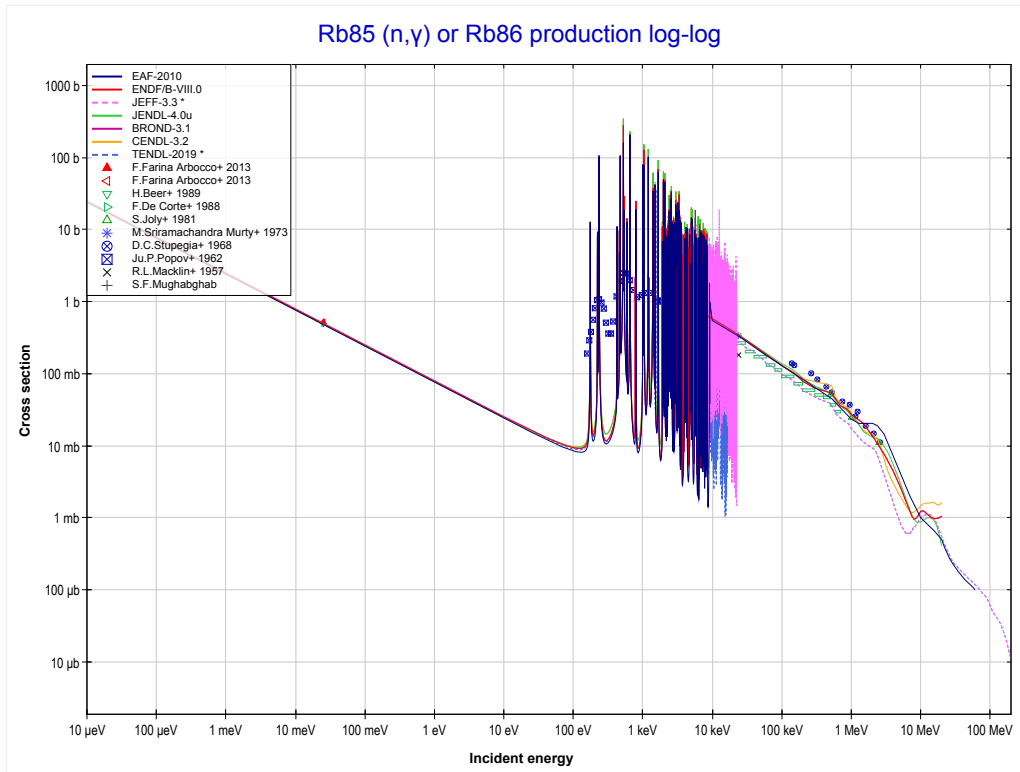
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16889 b | 0.408189 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46677 b | 0.618484 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.40702 b | 0.668948 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16889 b | 0.408189 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38928 b | 0.687826 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46683 b | 0.618362 b |

| | | |
|---------------|---|-------------------------|
| << 36-Kr-86 | 37-Rb-85 | 37-Rb-87 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Rb84 production) | MT102 (n, γ) >> |



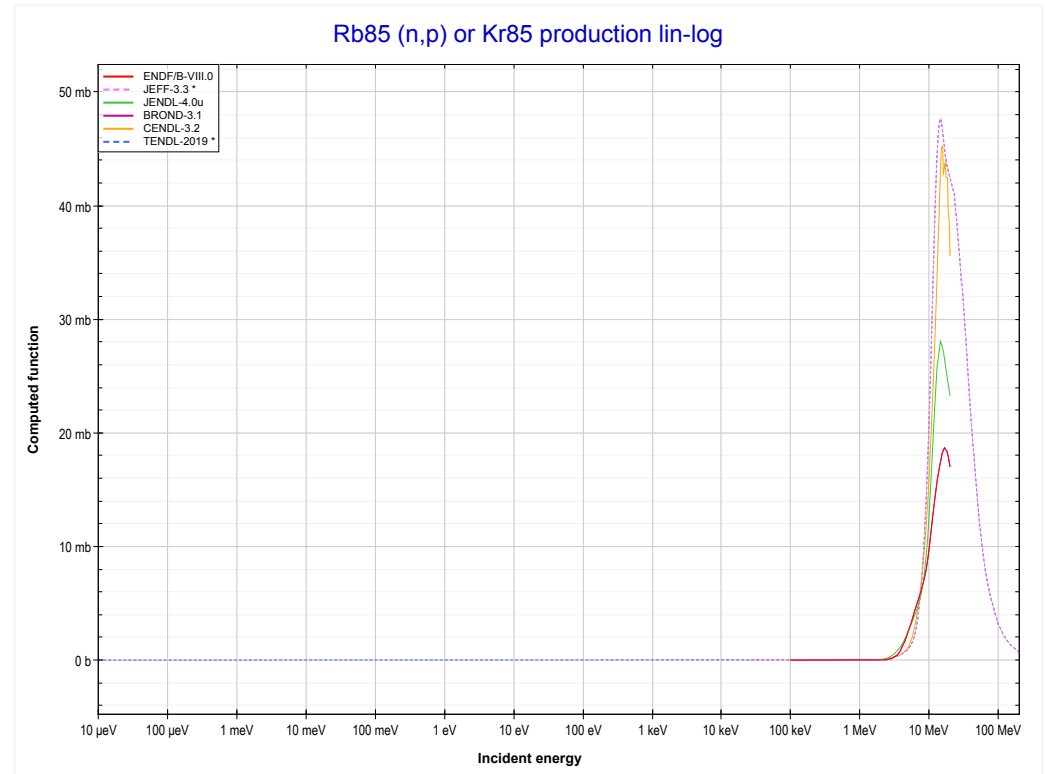
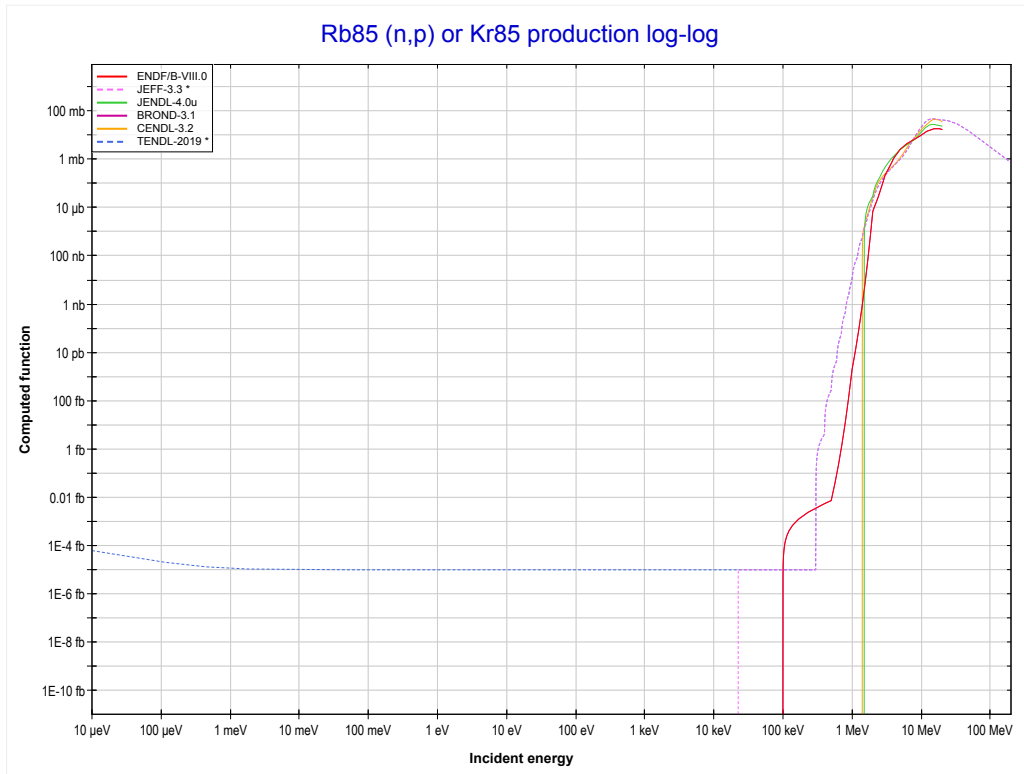
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.06646E-4 b | 0.986482 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.65807E-4 b | 0.981691 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.60858E-4 b | 0.9986 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.06646E-4 b | 0.986482 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.22919E-4 b | 0.996077 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.6623E-4 b | 0.982373 b |

| | | |
|----------------|---|----------------|
| << 36-Kr-86 | 37-Rb-85 | 37-Rb-87 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Rb86 production) | MT103 (n,p) >> |



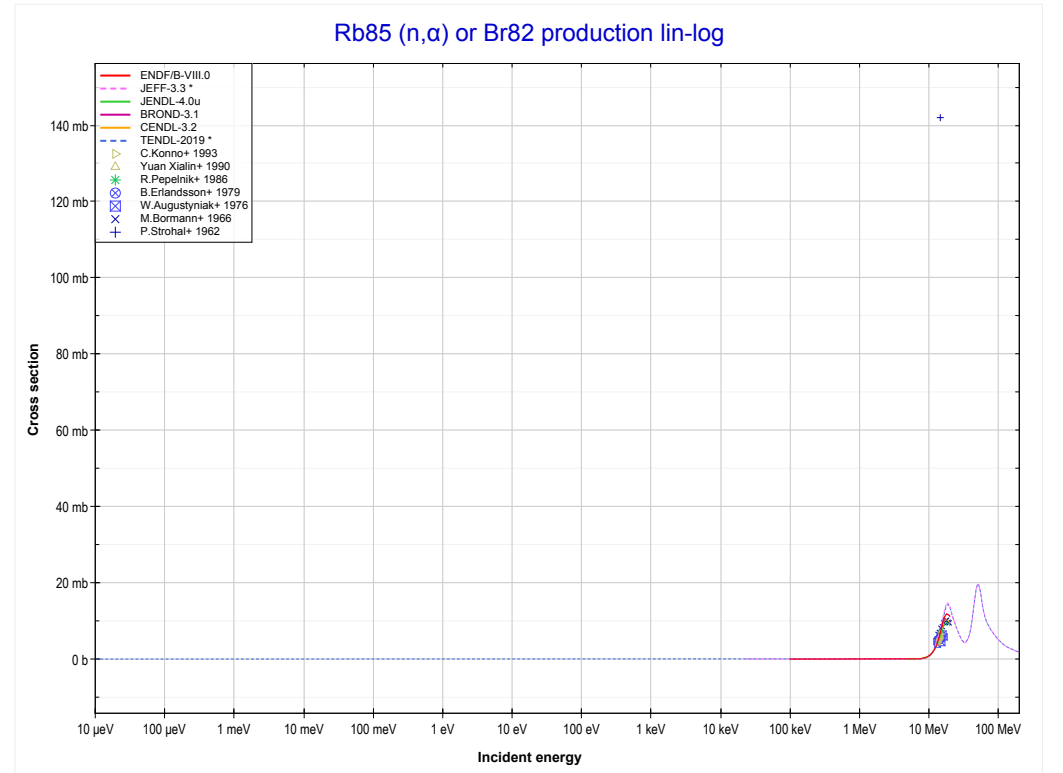
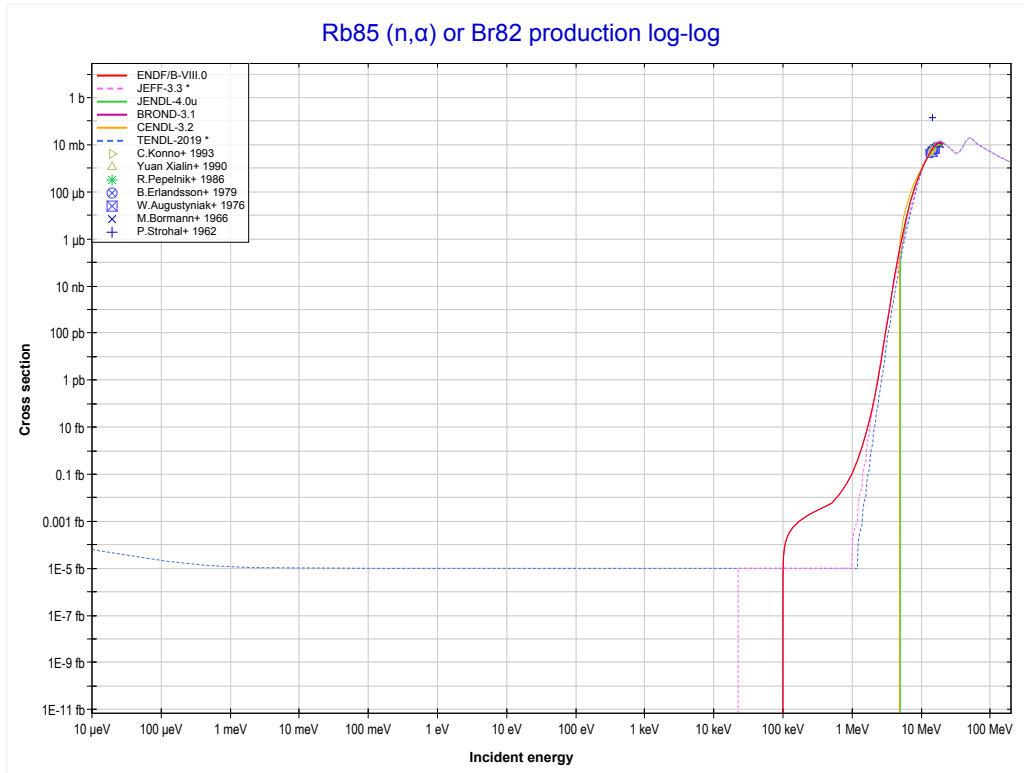
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.476856 b | 0.476499 b | 0.47637 b | 0.99974 | 6.21649 b | 0.0281066 b | 7.34366E-4 b |
| ENDF/B-VIII.0 | 0.49358 b | 0.49358 b | 0.49377 b | 1.00039 | 7.43229 b | 0.0270746 b | 0.00100939 b |
| JEFF-3.3 | 0.498904 b | 0.498904 b | 0.4991 b | 1.00039 | 7.52332 b | 0.0188171 b | 0.00109293 b |
| JENDL-4.0u | 0.480139 b | 0.480139 b | 0.48033 b | 1.0004 | 8.5664 b | 0.0271714 b | 9.975E-4 b |
| BROND-3.1 | 0.49358 b | 0.49358 b | 0.49377 b | 1.00039 | 7.43229 b | 0.0270746 b | 0.00100939 b |
| CENDL-3.2 | 0.480004 b | 0.480004 b | 0.48004 b | 1.00007 | 8.54425 b | 0.0285284 b | 0.0016182 b |
| TENDL-2019 | 0.491426 b | 0.491426 b | 0.49145 b | 1.00006 | 7.1969 b | 0.0183573 b | 0.00109253 b |

| | | |
|-------------------------|---|-------------------------|
| << 37-Rb-84 | 37-Rb-85 | 37-Rb-87 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Kr85 production) | MT107 (n, α) >> |



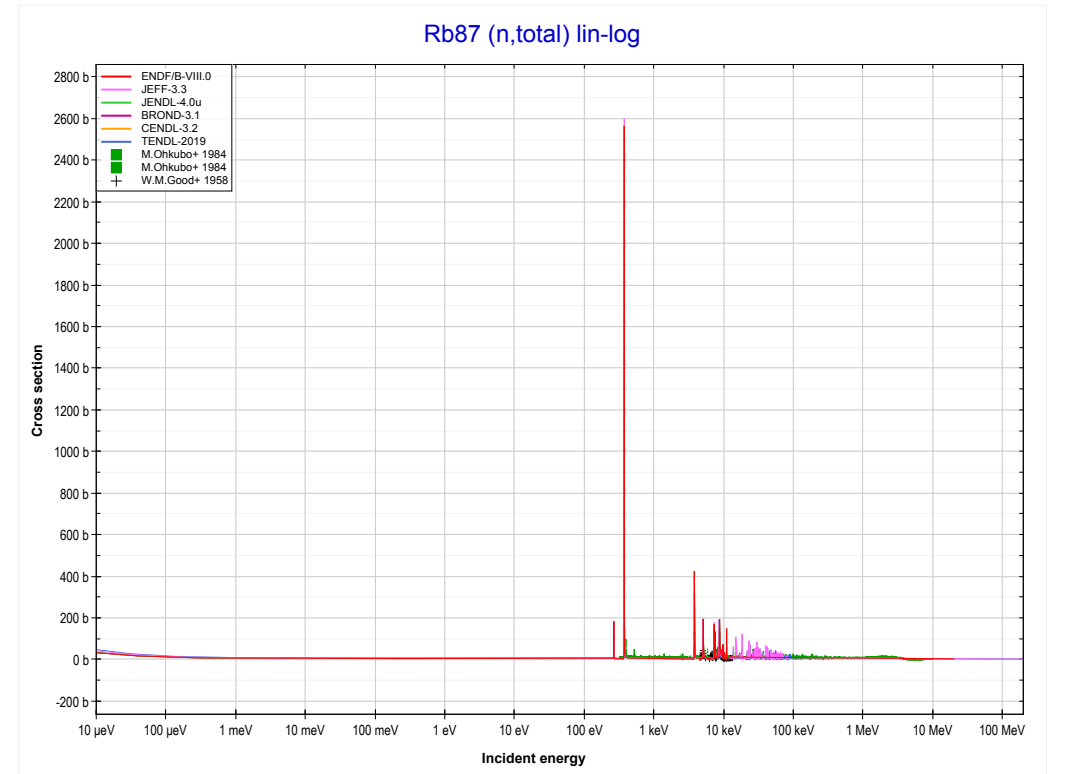
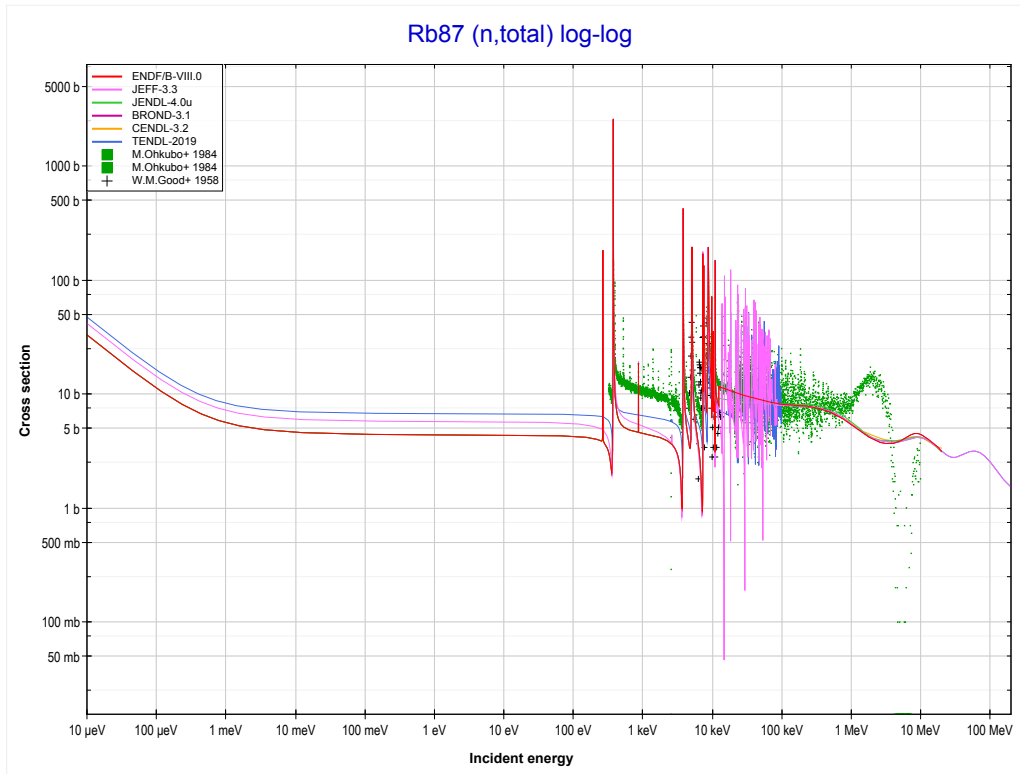
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.73346E-30 b | 4.34486E-4 b | 0.0169079 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.49059E-20 b | 3.57272E-4 b | 0.0472801 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.06456E-4 b | 0.02726 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.73344E-30 b | 4.34486E-4 b | 0.0169079 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67547E-4 b | 0.0396584 b |
| TENDL-2019 | 1.0059E-20 b | 1.0059E-20 b | 1.1351E-20 b | 1.12847 | 1.22075E-19 b | 3.57259E-4 b | 0.0472746 b |

| | | |
|----------------|---|---------------------------|
| << 36-Kr-86 | 37-Rb-85 | 37-Rb-87 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Br82 production) | 37-Rb-87 MT1 (n,total) >> |



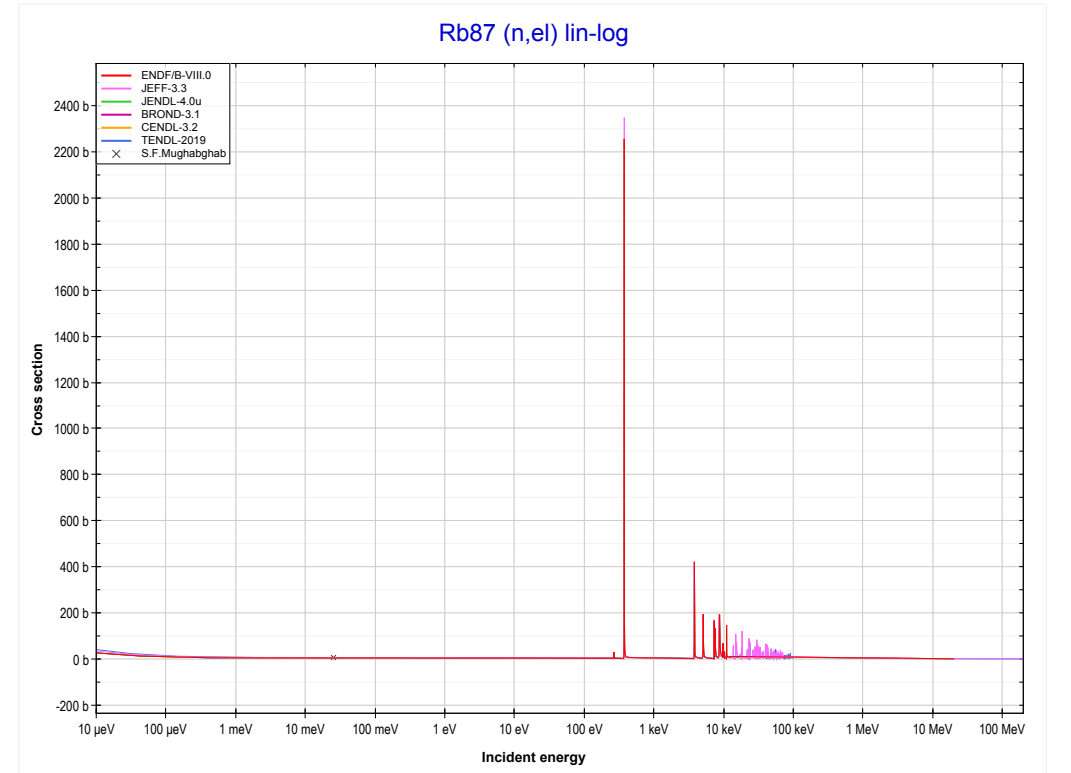
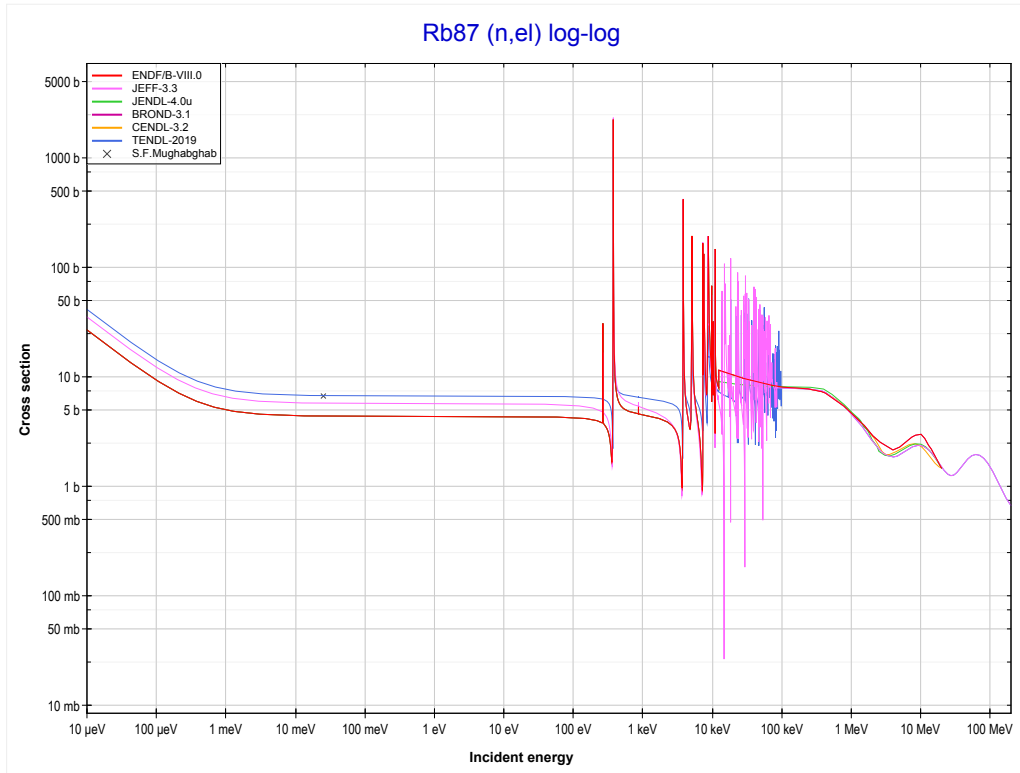
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.8372E-30 b | 7.09704E-6 b | 0.00562326 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.49059E-20 b | 6.90839E-6 b | 0.00661706 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.05113E-6 b | 0.005087 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.83712E-30 b | 7.09704E-6 b | 0.00562326 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.07277E-6 b | 0.00512496 b |
| TENDL-2019 | 1.0059E-20 b | 1.0059E-20 b | 1.1351E-20 b | 1.12847 | 1.22075E-19 b | 5.82491E-6 b | 0.00599506 b |

| | | |
|----------------------------------|----------------------|---------------------------------|
| << 37-Rb-85 | 37-Rb-87 | 38-Sr-84 >> |
| << 37-Rb-85 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



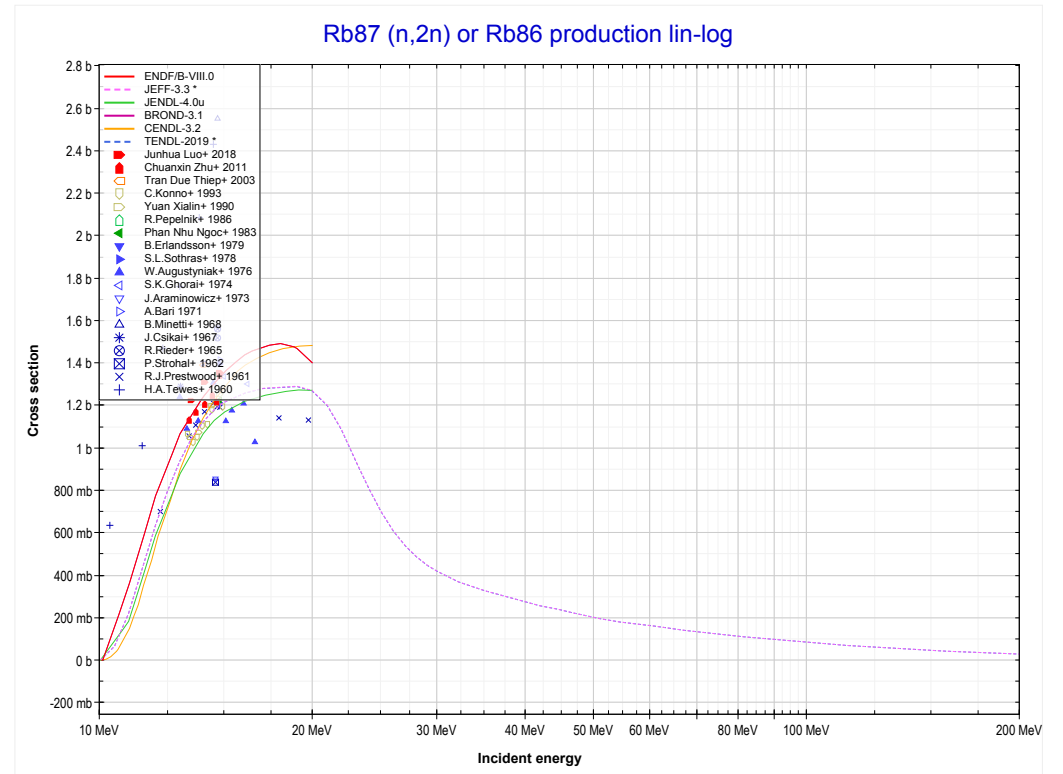
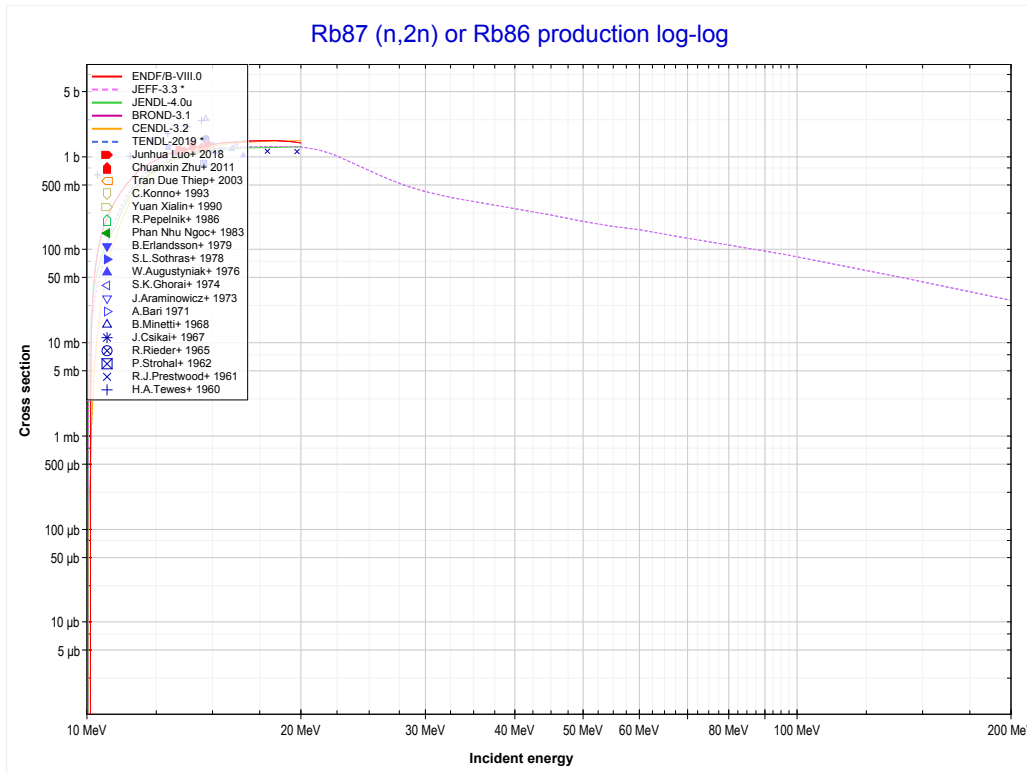
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.50434 b | 4.50434 b | 5.0672 b | 1.12495 | 97.6248 b | 4.99454 b | 3.8423 b |
| JEFF-3.3 | 5.87512 b | 5.87512 b | 6.6135 b | 1.12567 | 109.807 b | 5.08051 b | 3.78178 b |
| JENDL-4.0u | 4.50434 b | 4.50434 b | 5.0672 b | 1.12495 | 95.4341 b | 5.21526 b | 3.774 b |
| BROND-3.1 | 4.50434 b | 4.50434 b | 5.0672 b | 1.12495 | 97.6248 b | 4.99454 b | 3.8423 b |
| CENDL-3.2 | 4.50431 b | 4.50431 b | 5.0674 b | 1.12501 | 97.608 b | 5.15792 b | 3.70041 b |
| TENDL-2019 | 6.8634 b | 6.8634 b | 7.73 b | 1.12627 | 95.4057 b | 5.03488 b | 3.78178 b |

| | | |
|------------------|------------------------|----------------|
| << 37-Rb-85 | 37-Rb-87 | 38-Sr-84 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



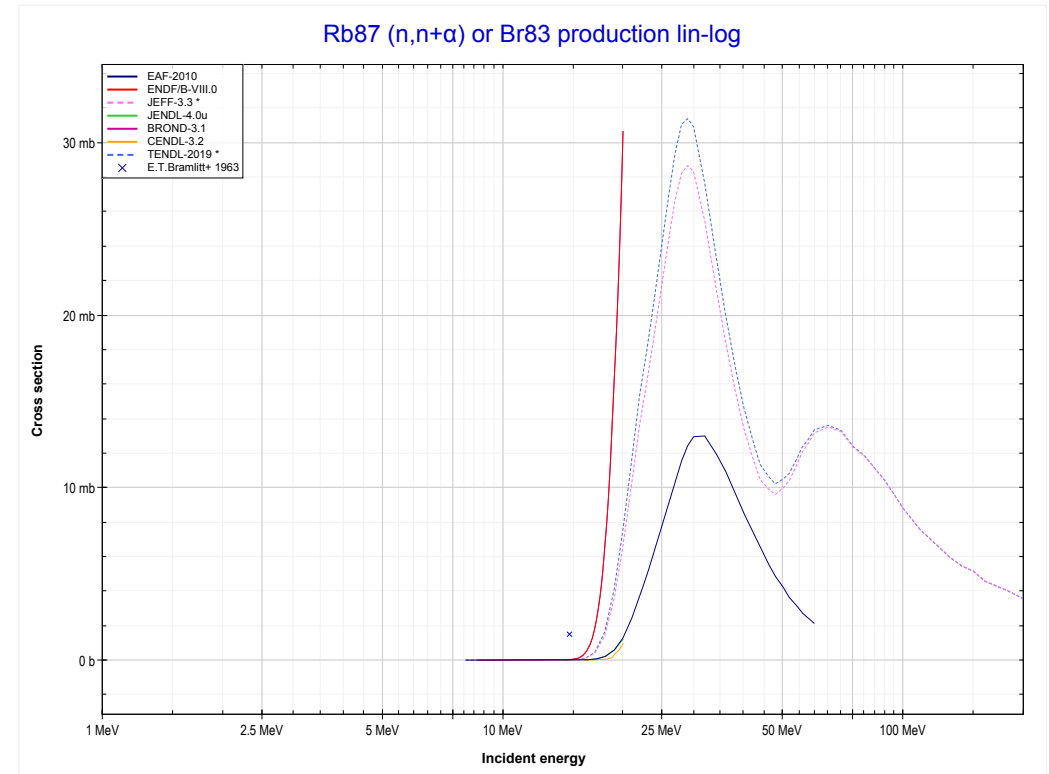
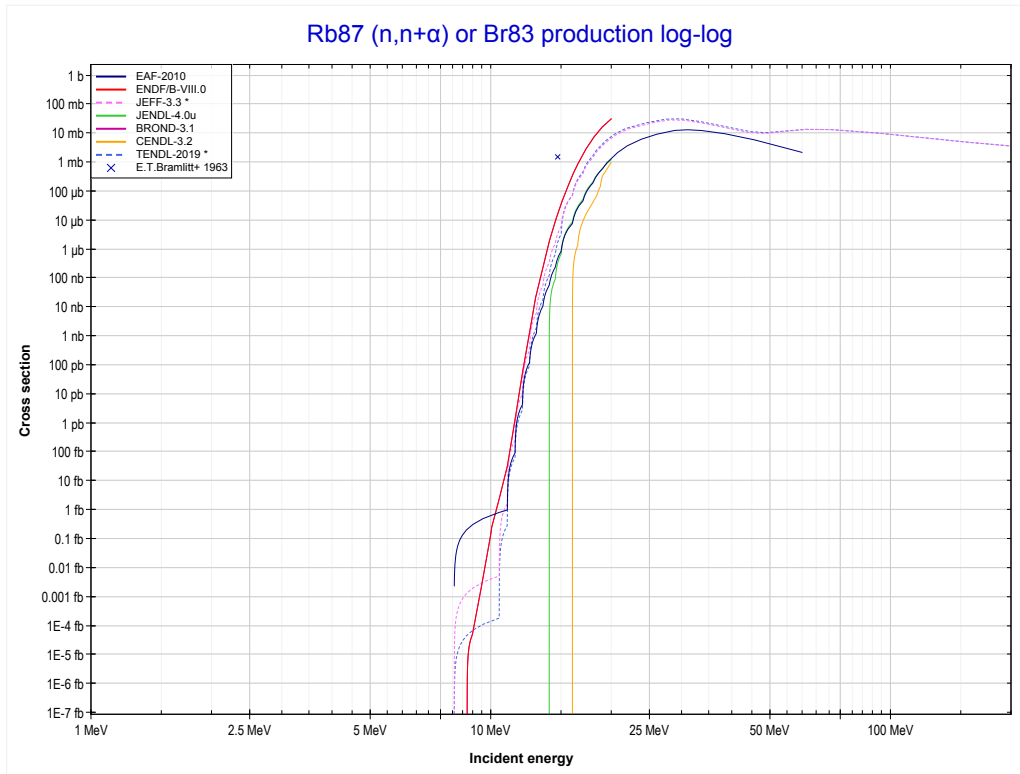
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.38431 b | 4.38431 b | 4.9471 b | 1.12836 | 94.9305 b | 4.11323 b | 2.2425 b |
| JEFF-3.3 | 5.75199 b | 5.75199 b | 6.4903 b | 1.12836 | 107.423 b | 3.91525 b | 2.06714 b |
| JENDL-4.0u | 4.38431 b | 4.38431 b | 4.9471 b | 1.12836 | 92.7325 b | 4.05047 b | 2.06742 b |
| BROND-3.1 | 4.38431 b | 4.38431 b | 4.9471 b | 1.12836 | 94.9305 b | 4.11323 b | 2.2425 b |
| CENDL-3.2 | 4.38431 b | 4.38431 b | 4.9474 b | 1.12843 | 94.907 b | 4.0256 b | 1.81925 b |
| TENDL-2019 | 6.74788 b | 6.74788 b | 7.6145 b | 1.12843 | 93.5524 b | 3.86985 b | 2.06714 b |

| | | |
|--------------------|---|-----------------|
| << 37-Rb-85 | 37-Rb-87 | 38-Sr-84 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Rb86 production) | MT22 (n,n+α) >> |



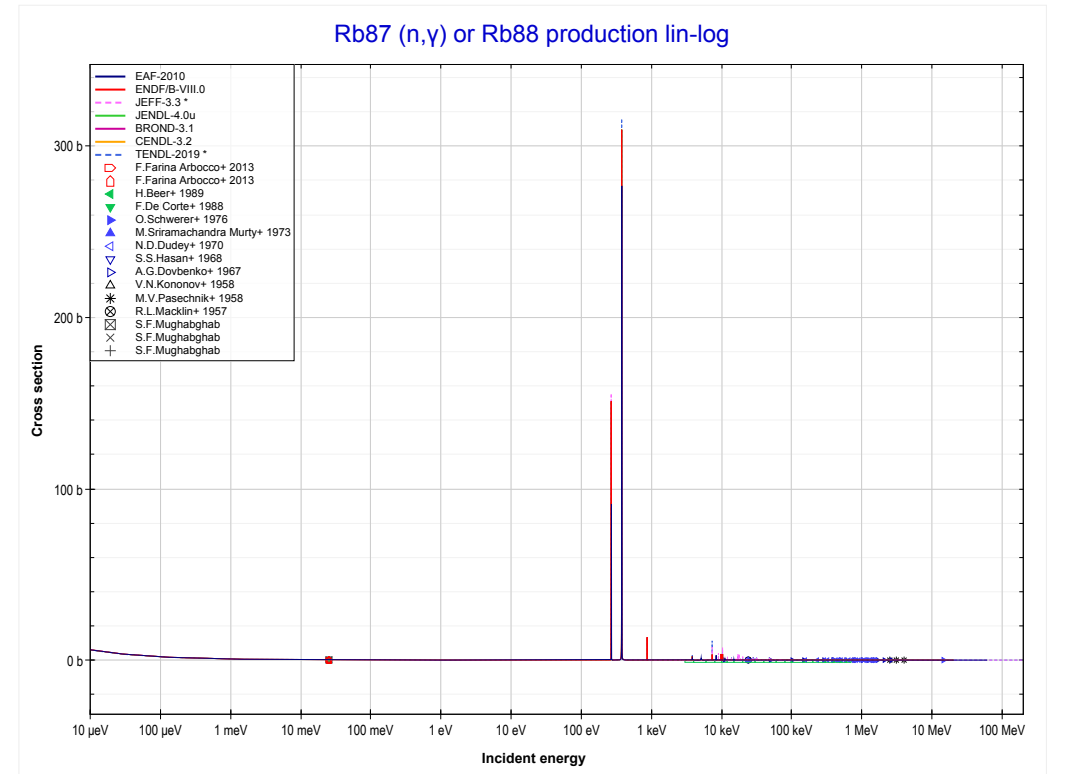
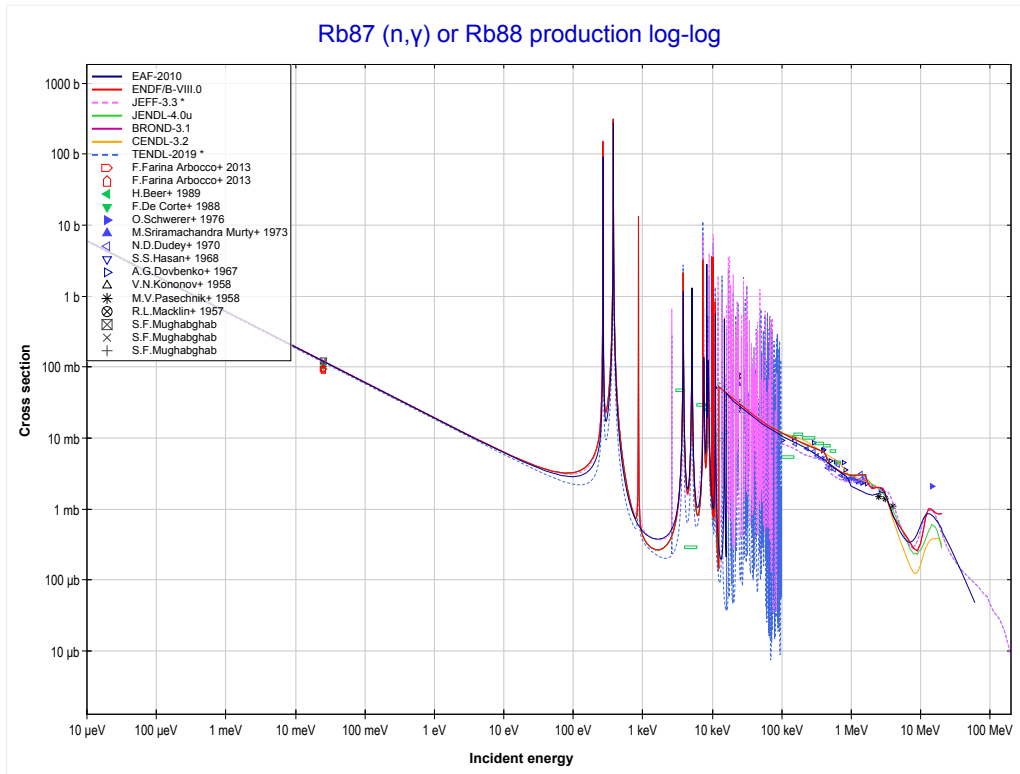
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.20013E-4 b | 1.23683 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.31706E-4 b | 1.1197 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.85791E-4 b | 1.063 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.20013E-4 b | 1.23683 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.35792E-4 b | 1.13635 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.32088E-4 b | 1.11967 b |

| | | |
|----------------|--|----------------|
| << 35-Br-81 | 37-Rb-87 | 40-Zr-91 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Br83 production) | MT102 (n,γ) >> |



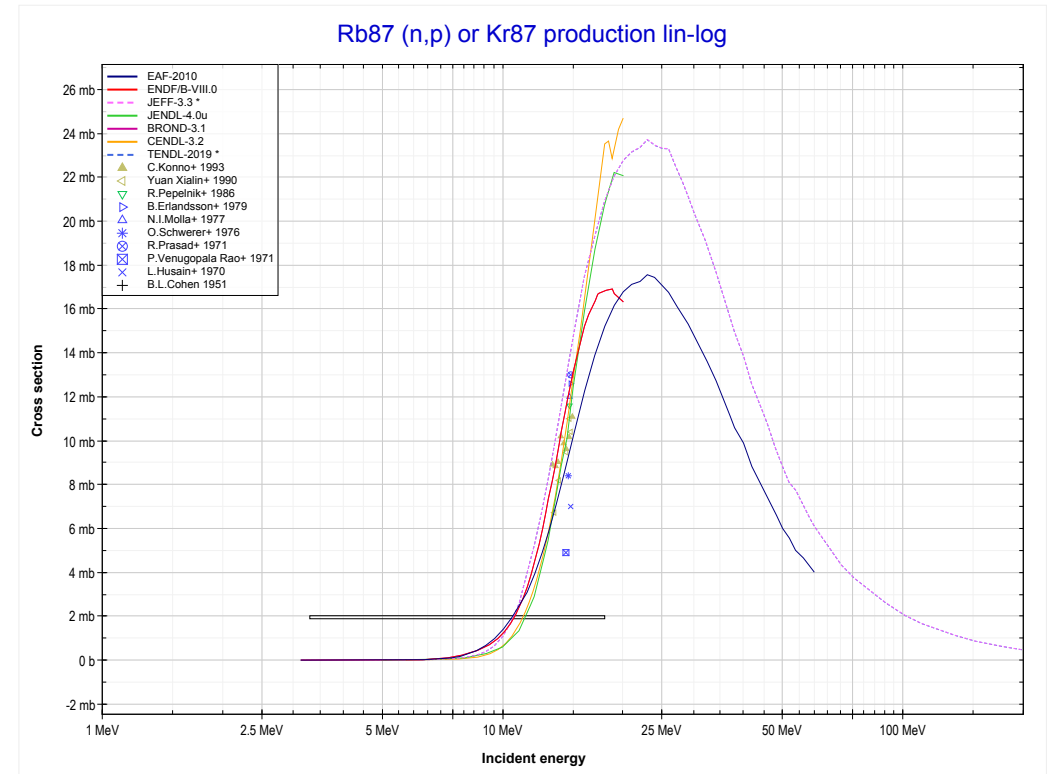
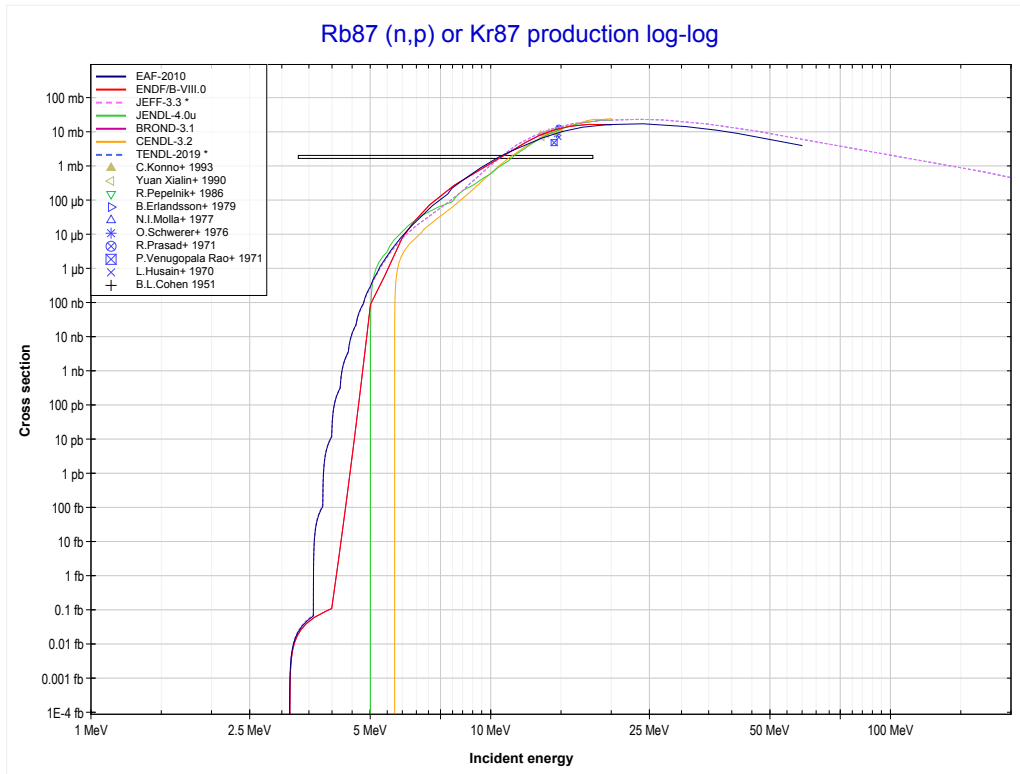
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15877E-7 b | 1.80413E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71167E-8 b | 3.36023E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.12185E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15877E-7 b | 1.80413E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47861E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.07679E-8 b | 1.21803E-7 b |

| | | |
|-----------------|---|----------------|
| << 37-Rb-85 | 37-Rb-87 | 37-Rb-88 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Rb88 production) | MT103 (n,p) >> |



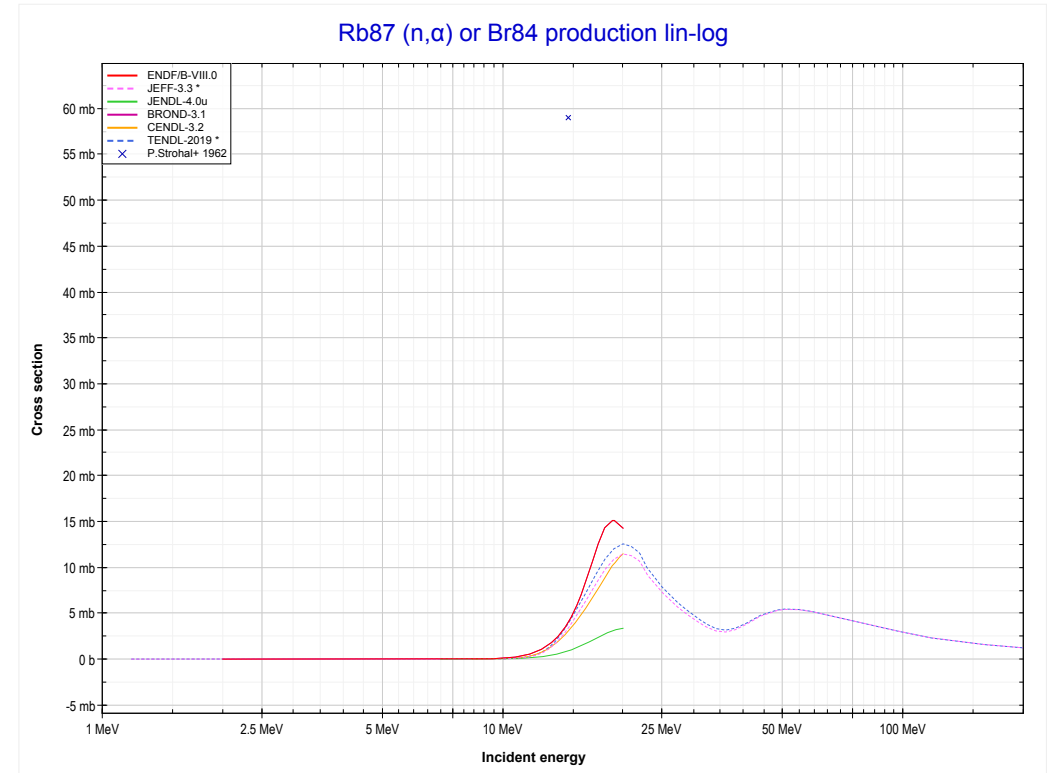
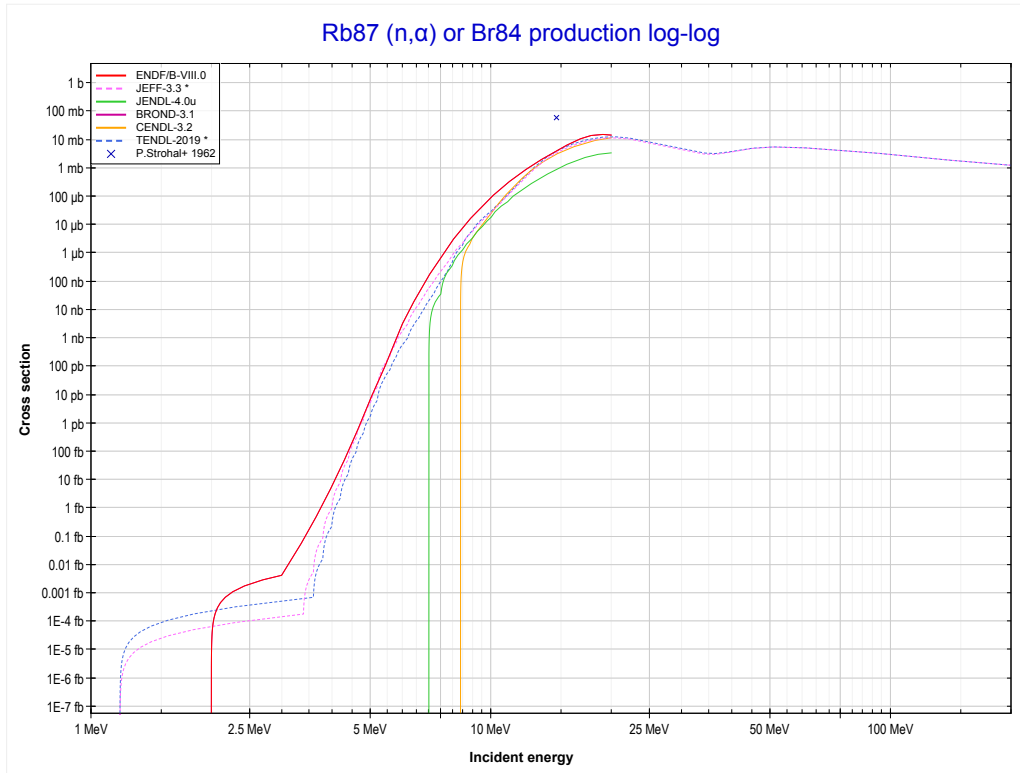
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.120108 b | 0.120018 b | 0.12 b | 0.99982 | 2.07157 b | 0.00255998 b | 8.47752E-4 b |
| ENDF/B-VIII.0 | 0.120036 b | 0.120036 b | 0.12009 b | 1.00043 | 2.69433 b | 0.00309588 b | 0.00101221 b |
| JEFF-3.3 | 0.123134 b | 0.123134 b | 0.12319 b | 1.00042 | 2.38399 b | 0.00260212 b | 9.7319E-4 b |
| JENDL-4.0u | 0.120036 b | 0.120036 b | 0.12009 b | 1.00043 | 2.70161 b | 0.00314445 b | 5.631E-4 b |
| BROND-3.1 | 0.120036 b | 0.120036 b | 0.12009 b | 1.00043 | 2.69433 b | 0.00309588 b | 0.00101221 b |
| CENDL-3.2 | 0.120002 b | 0.120002 b | 0.12002 b | 1.00011 | 2.69356 b | 0.00319325 b | 3.7246E-4 b |
| TENDL-2019 | 0.115517 b | 0.115517 b | 0.11552 b | 1.00007 | 1.8366 b | 0.00249819 b | 9.72601E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 37-Rb-85 | 37-Rb-87 | 38-Sr-84 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Kr87 production) | MT107 (n, α) >> |



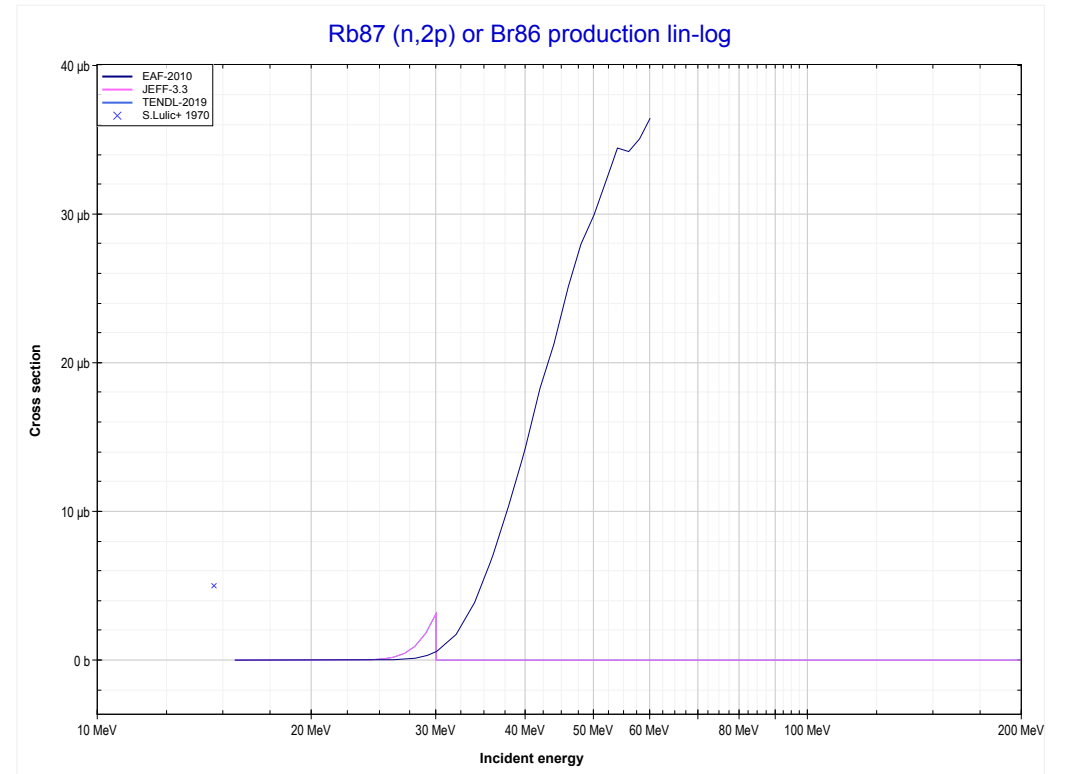
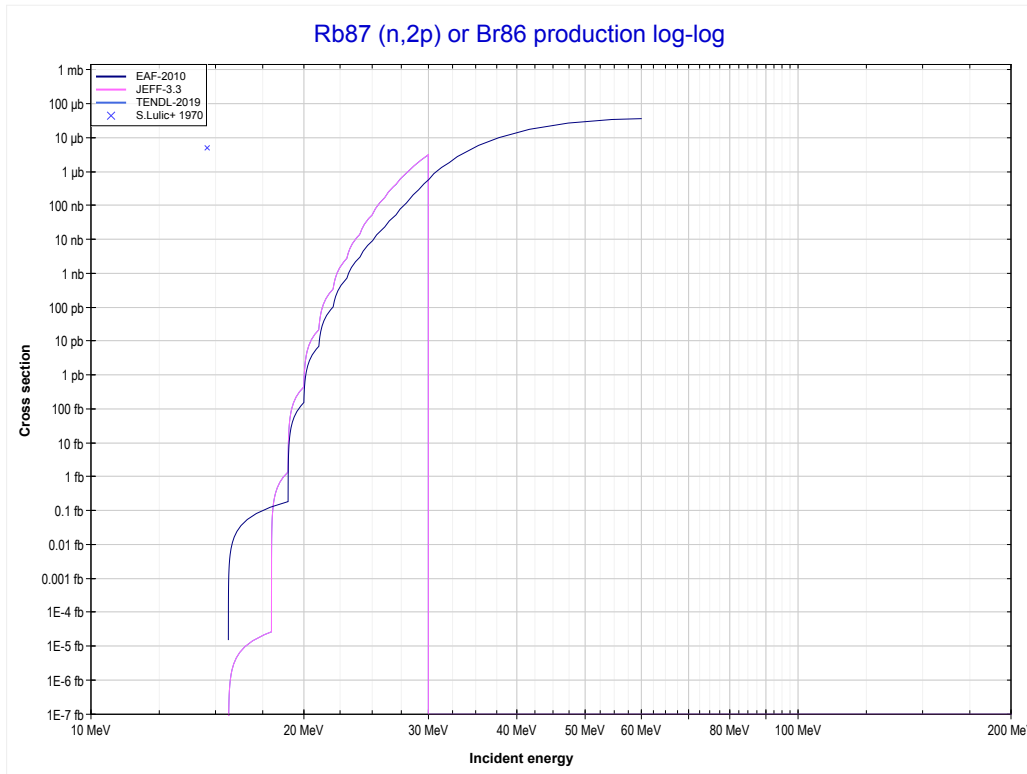
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1181E-5 b | 0.00793409 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18441E-5 b | 0.0103644 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09299E-5 b | 0.0115396 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.83067E-6 b | 0.00881 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18441E-5 b | 0.0103644 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26796E-6 b | 0.00899695 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09293E-5 b | 0.0115385 b |

| | | |
|----------------|---|-----------------|
| << 37-Rb-85 | 37-Rb-87 | 38-Sr-88 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Br84 production) | MT111 (n,2p) >> |



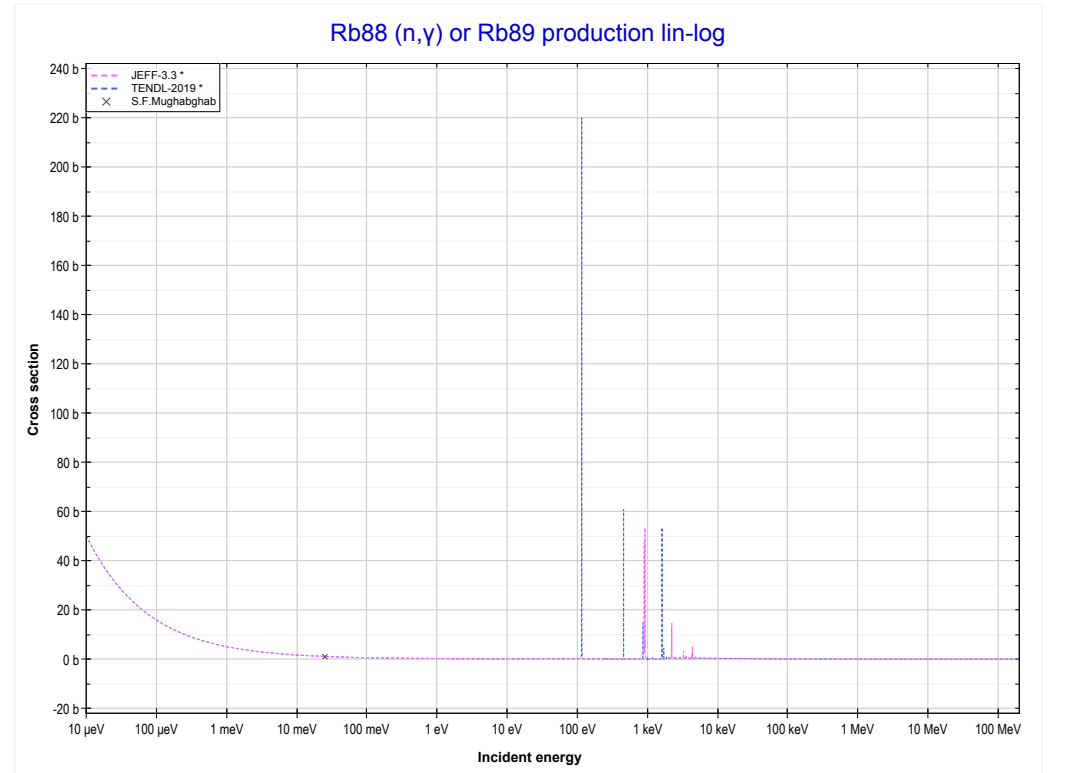
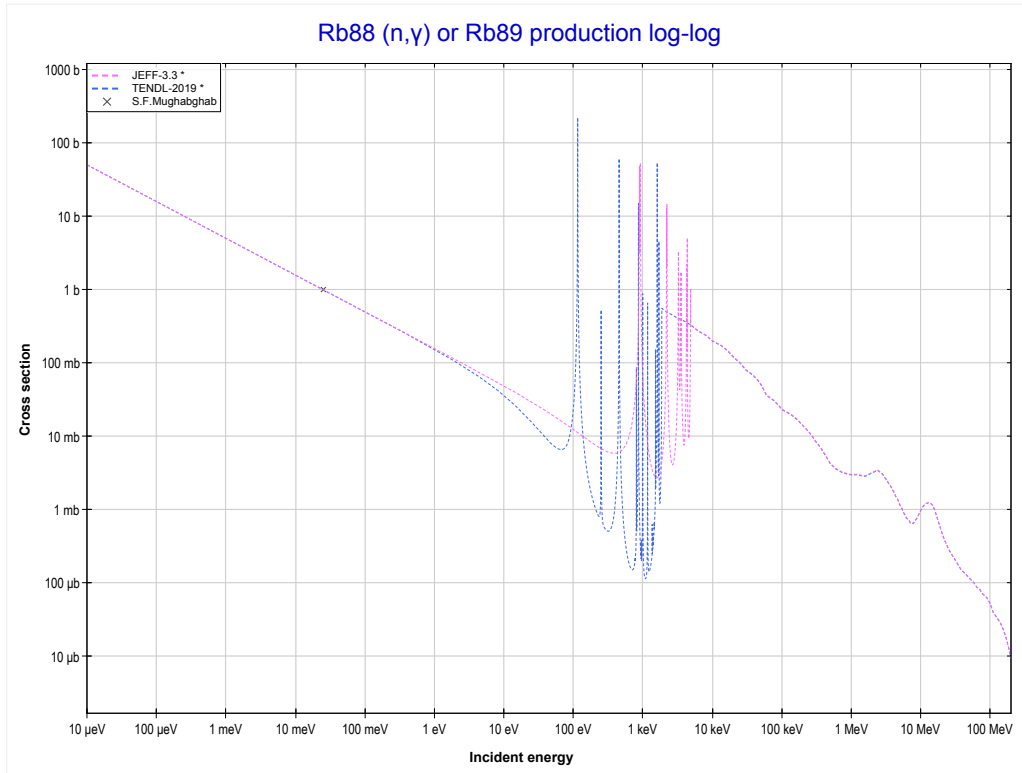
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7329E-6 b | 0.00286692 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08662E-6 b | 0.0023449 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.81049E-7 b | 6.448E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7329E-6 b | 0.00286692 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06528E-6 b | 0.00220512 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23229E-6 b | 0.00269697 b |

| | | |
|-------------------------|--|----------------------------------|
| << 33-As-75 | 37-Rb-87 | 39-Y-89 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Br86 production) | 37-Rb-88 MT102 (n, γ) >> |



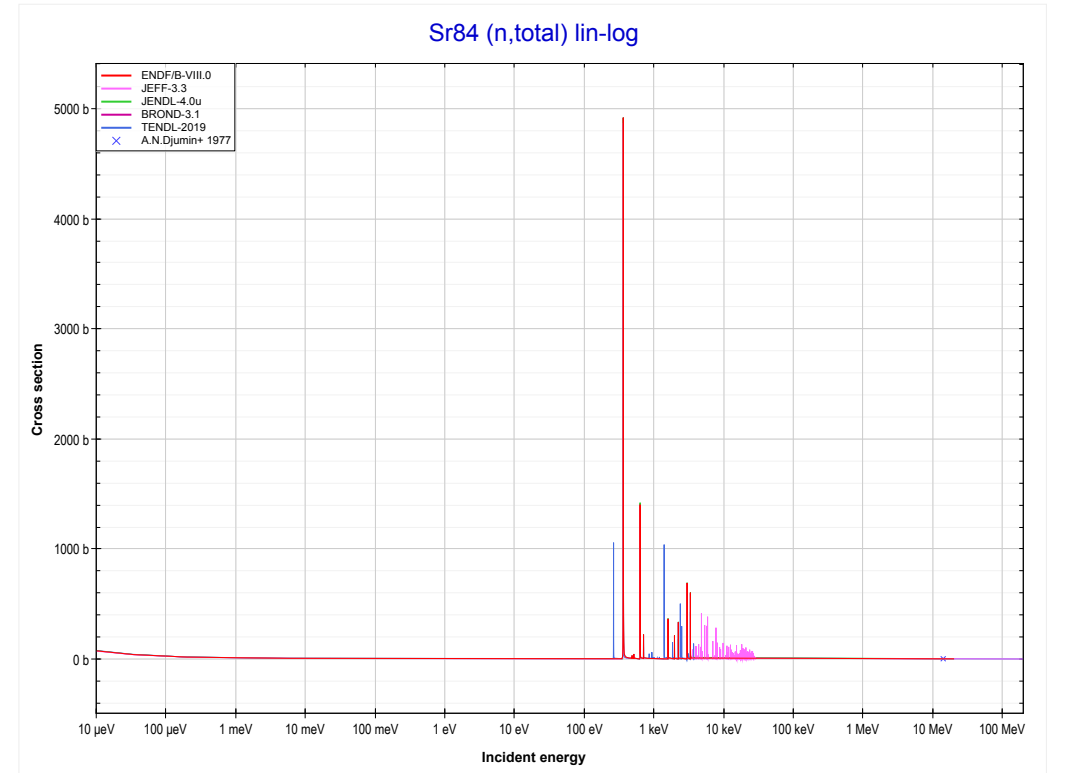
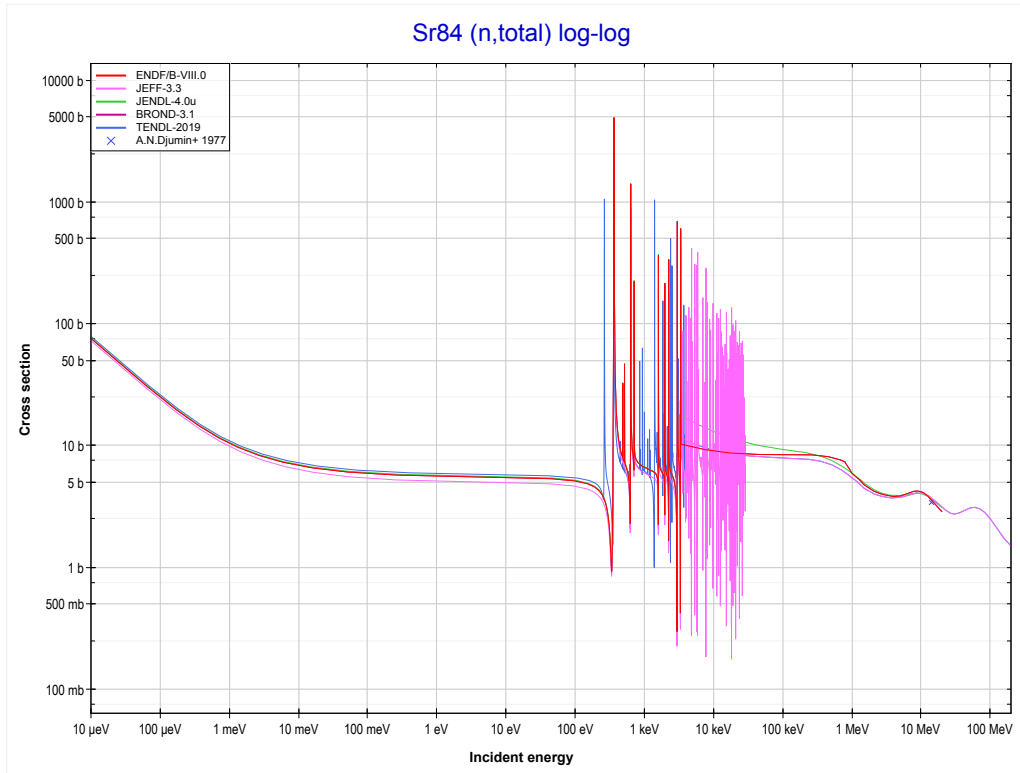
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.39926E-19 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.39347E-19 b | 0 b |

| | | |
|--------------------------|---|---------------------------|
| << 37-Rb-87 | 37-Rb-88 | 38-Sr-84 >> |
| << 37-Rb-87 MT111 (n,2p) | MT102 (n,γ) or MT5 (Rb89 production) | 38-Sr-84 MT1 (n,total) >> |



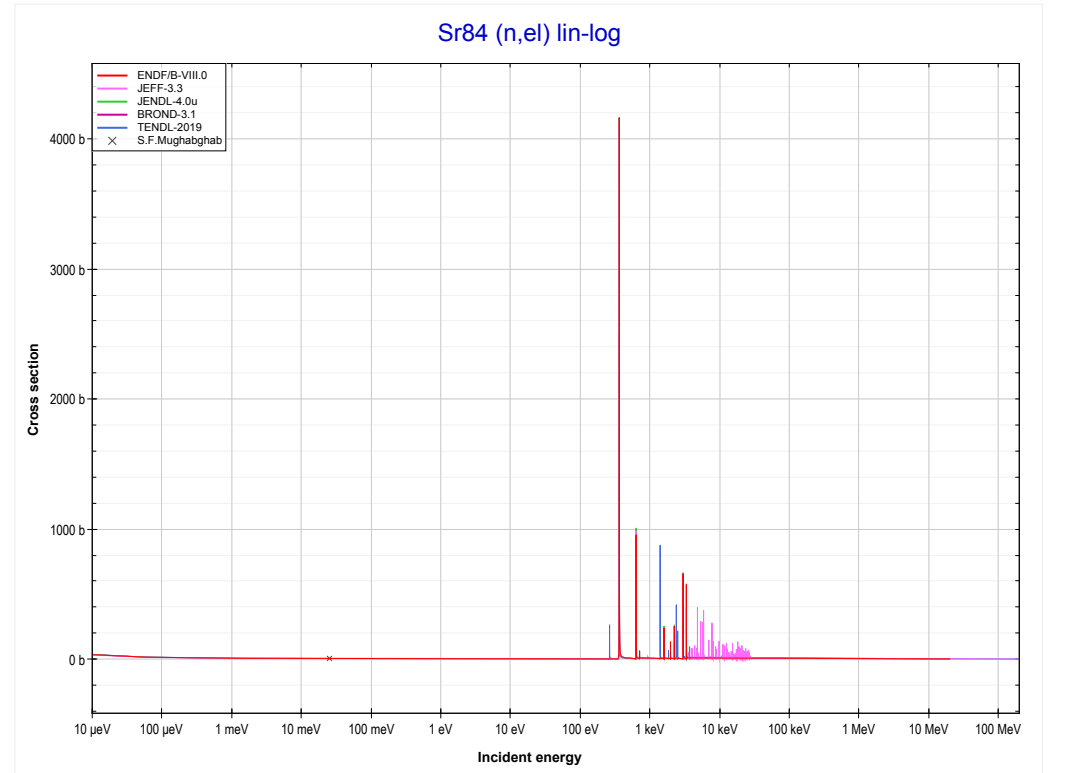
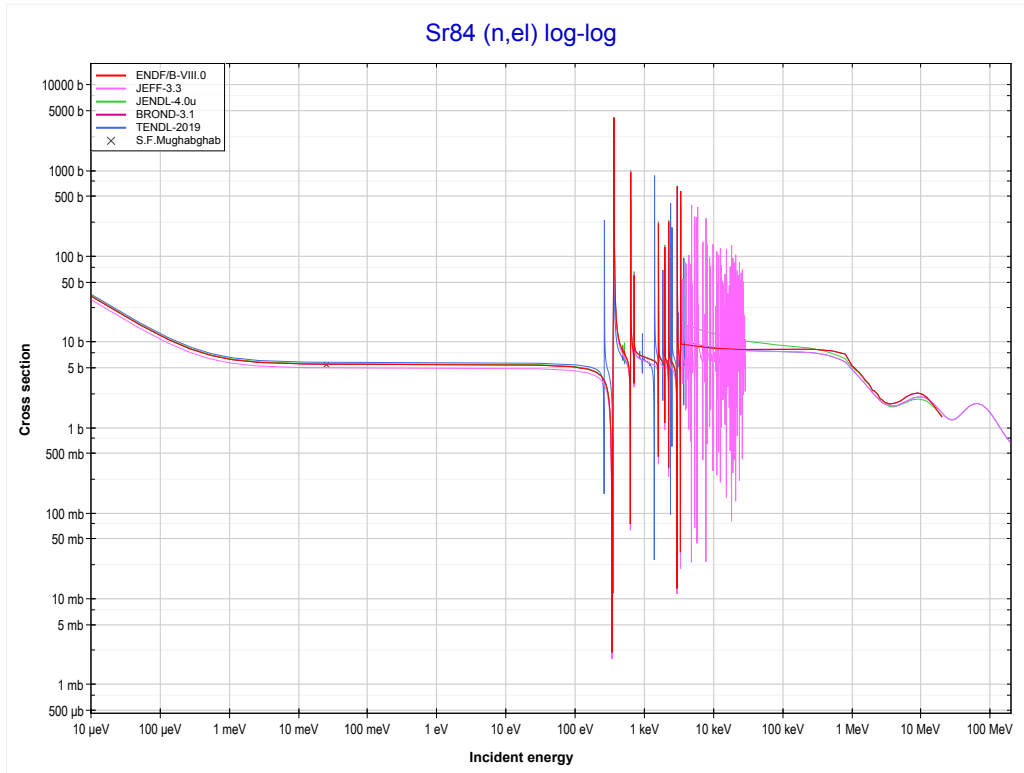
| | |
|------------------------|----------------|
| Reaction | Q-Value |
| Rb88(n, γ)Rb89 | 7174.33 keV |

| | | |
|----------------------------------|----------------------|--------------------|
| << 37-Rb-87 | 38-Sr-84 | 38-Sr-86 >> |
| << 37-Rb-88 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



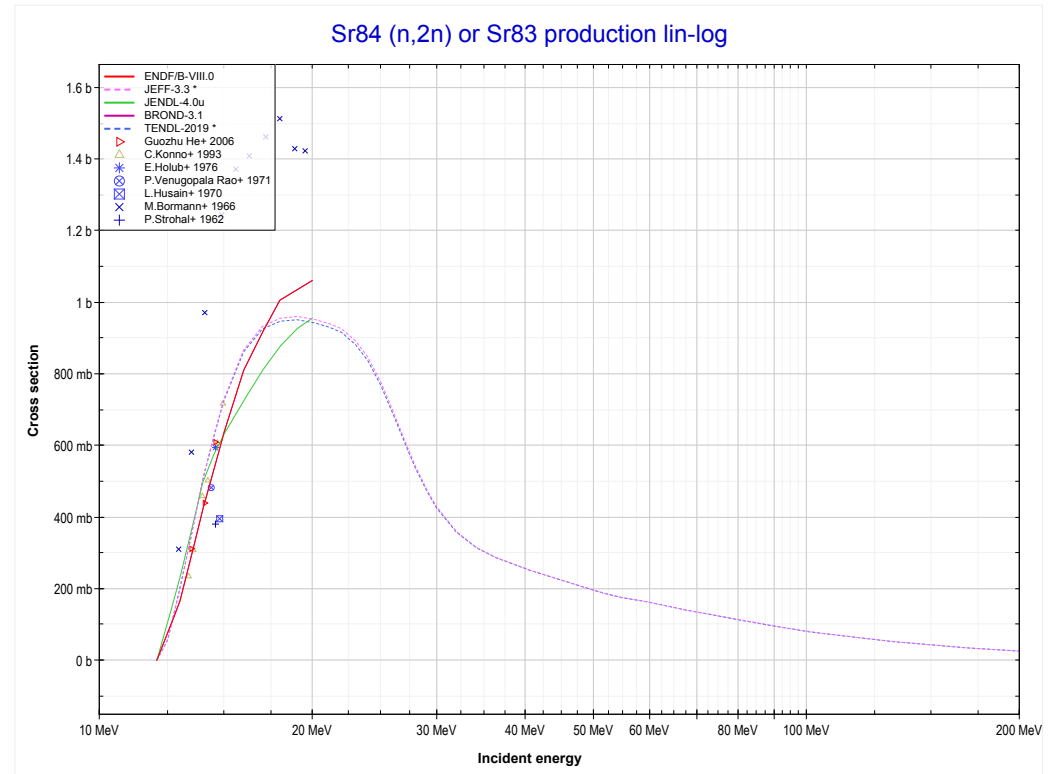
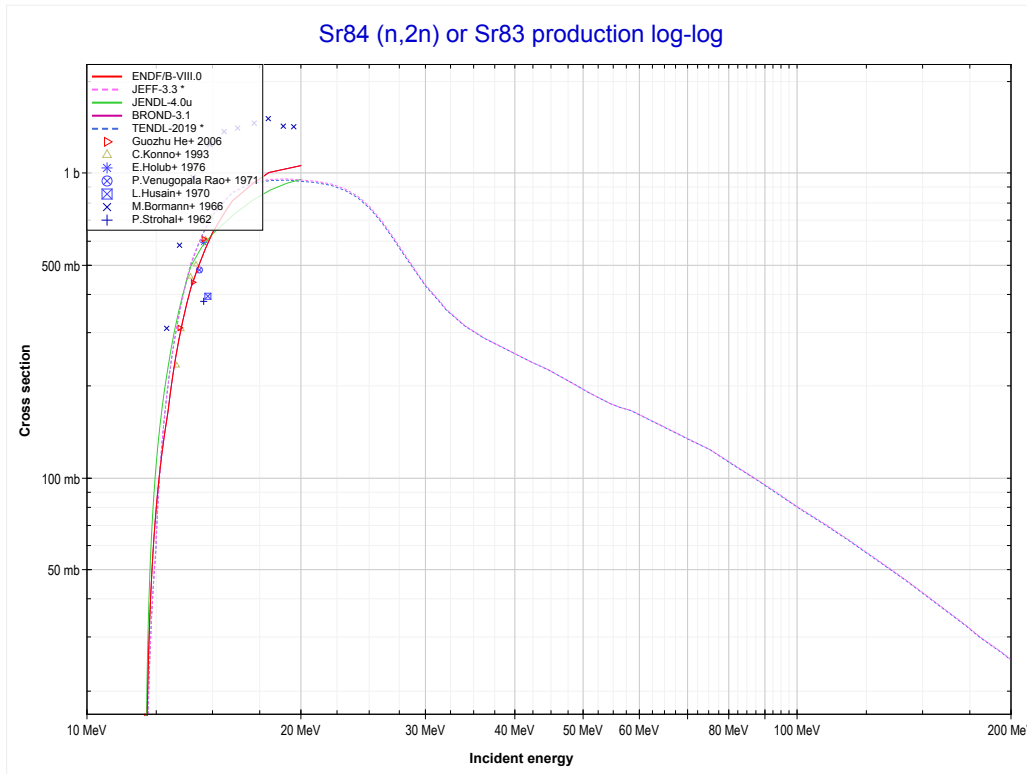
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.30902 b | 6.30902 b | 7.0136 b | 1.11168 | 131.004 b | 5.424 b | 3.60849 b |
| JEFF-3.3 | 5.79642 b | 5.79642 b | 6.4355 b | 1.11025 | 125.598 b | 4.98395 b | 3.7333 b |
| JENDL-4.0u | 6.40185 b | 6.40185 b | 7.1176 b | 1.11181 | 142.606 b | 5.41562 b | 3.672 b |
| BROND-3.1 | 6.30902 b | 6.30902 b | 7.0136 b | 1.11168 | 131.004 b | 5.424 b | 3.60849 b |
| TENDL-2019 | 6.6252 b | 6.6252 b | 7.3672 b | 1.11199 | 119.506 b | 4.98444 b | 3.73345 b |

| | | |
|------------------|------------------------|----------------|
| << 37-Rb-87 | 38-Sr-84 | 39-Y-89 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



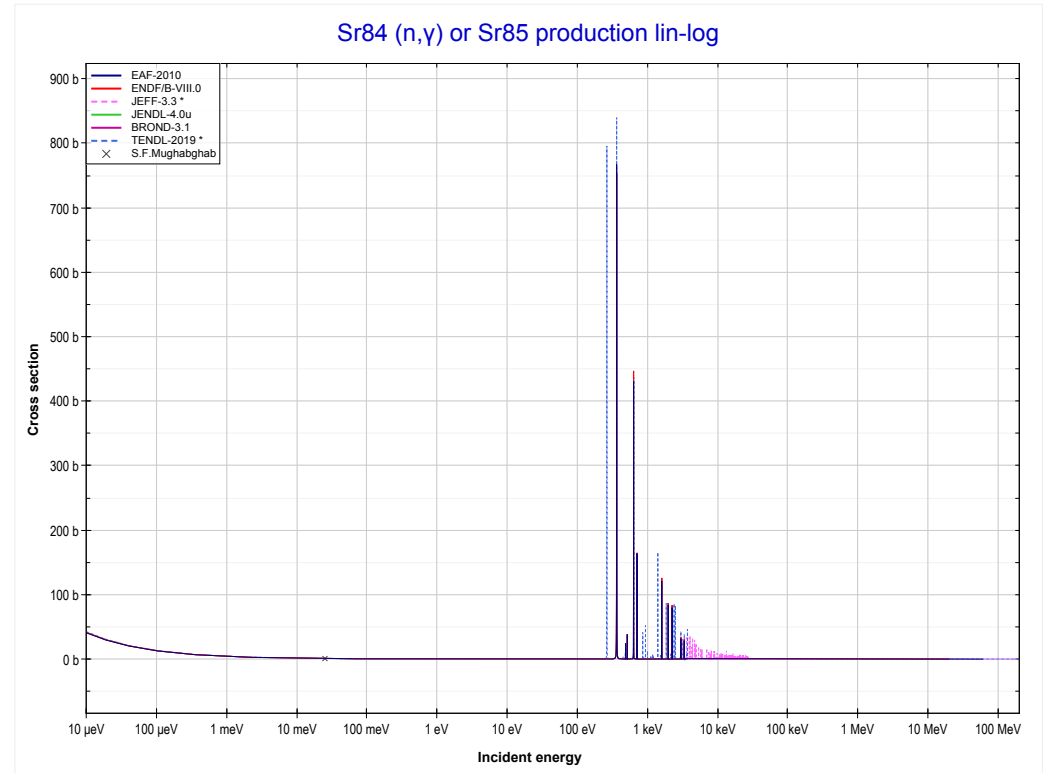
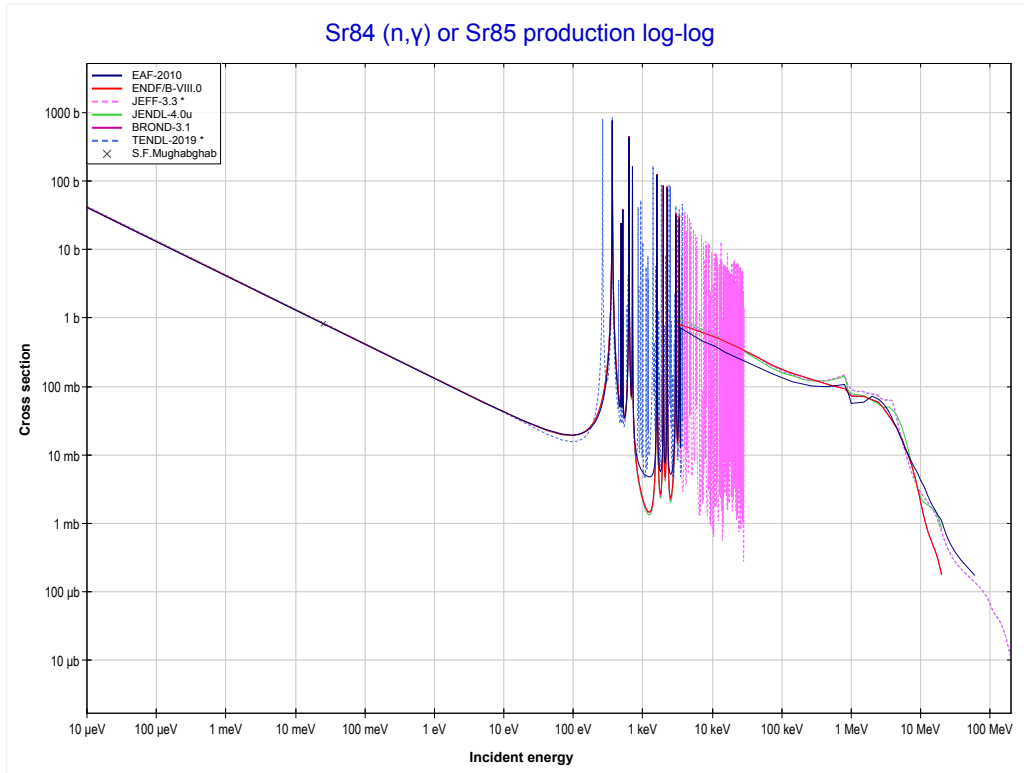
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.48684 b | 5.48684 b | 6.1911 b | 1.12835 | 119.828 b | 4.36757 b | 1.9833 b |
| JEFF-3.3 | 4.97712 b | 4.97712 b | 5.6159 b | 1.12835 | 115.189 b | 3.87637 b | 2.02171 b |
| JENDL-4.0u | 5.57414 b | 5.57414 b | 6.2896 b | 1.12835 | 131.574 b | 4.22653 b | 1.85933 b |
| BROND-3.1 | 5.48684 b | 5.48684 b | 6.1911 b | 1.12835 | 119.828 b | 4.36757 b | 1.9833 b |
| TENDL-2019 | 5.77784 b | 5.77784 b | 6.5198 b | 1.12841 | 103.511 b | 3.87657 b | 2.02171 b |

| | | |
|--------------------|---|-------------------------|
| << 37-Rb-87 | 38-Sr-84 | 38-Sr-86 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sr83 production) | MT102 (n, γ) >> |



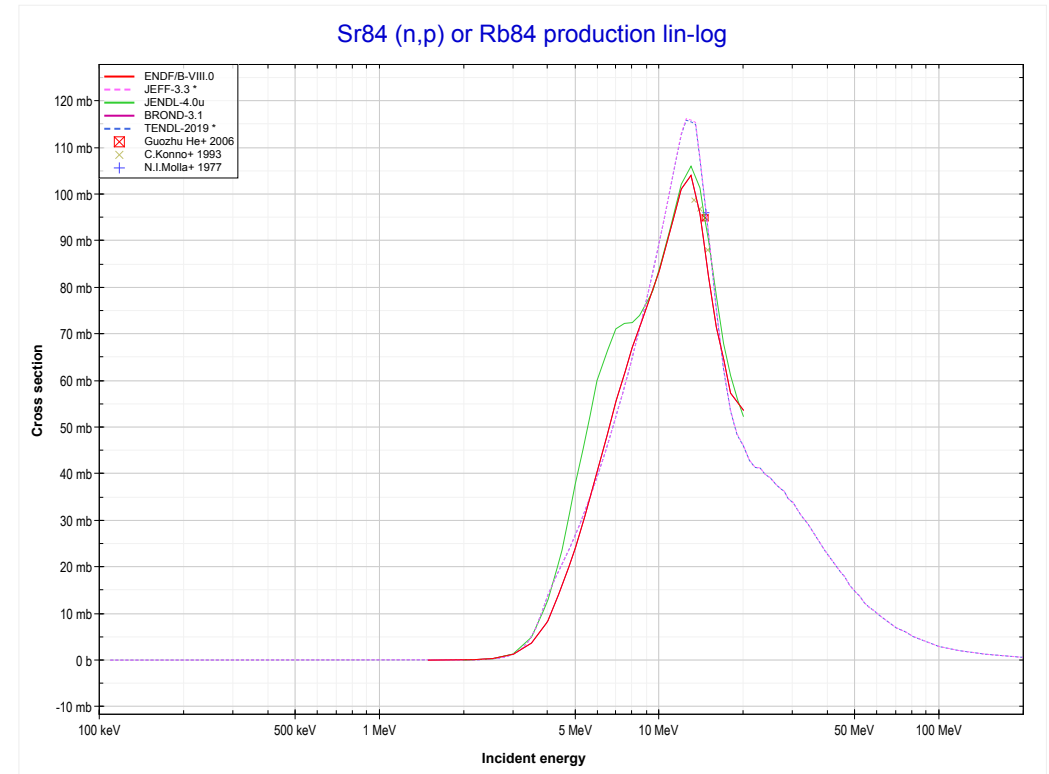
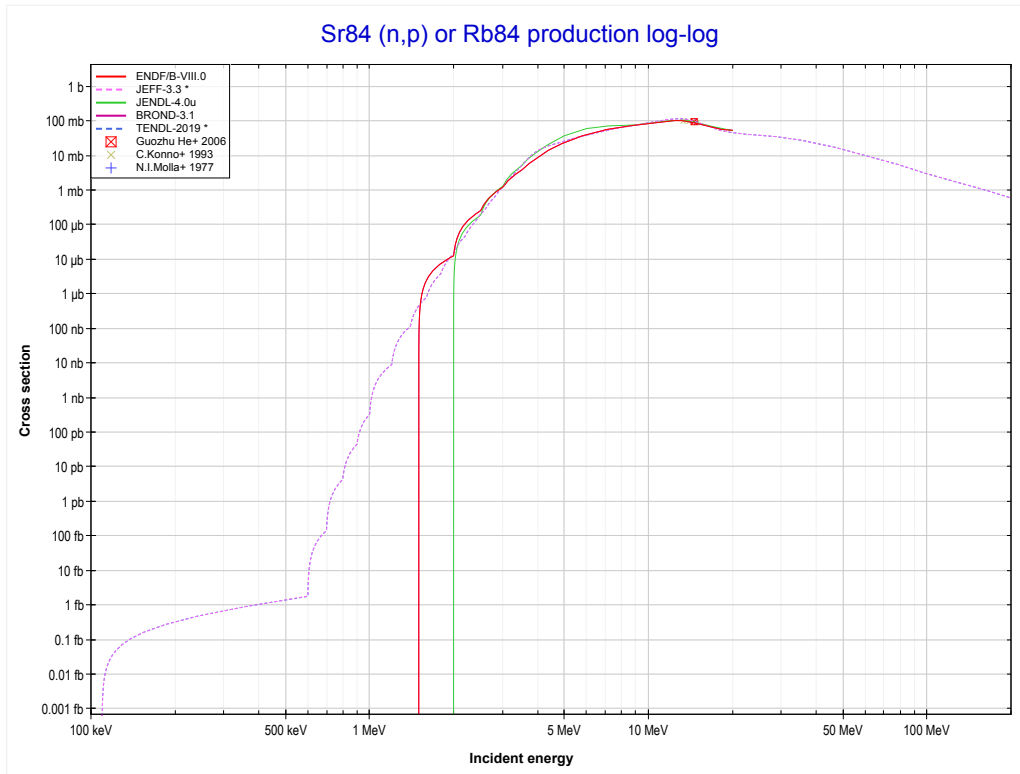
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27629E-4 b | 0.419416 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4209E-4 b | 0.504382 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.41439E-4 b | 0.4951 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27629E-4 b | 0.419416 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41487E-4 b | 0.502638 b |

| | | |
|----------------|---|----------------|
| << 37-Rb-88 | 38-Sr-84 | 38-Sr-86 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sr85 production) | MT103 (n,p) >> |



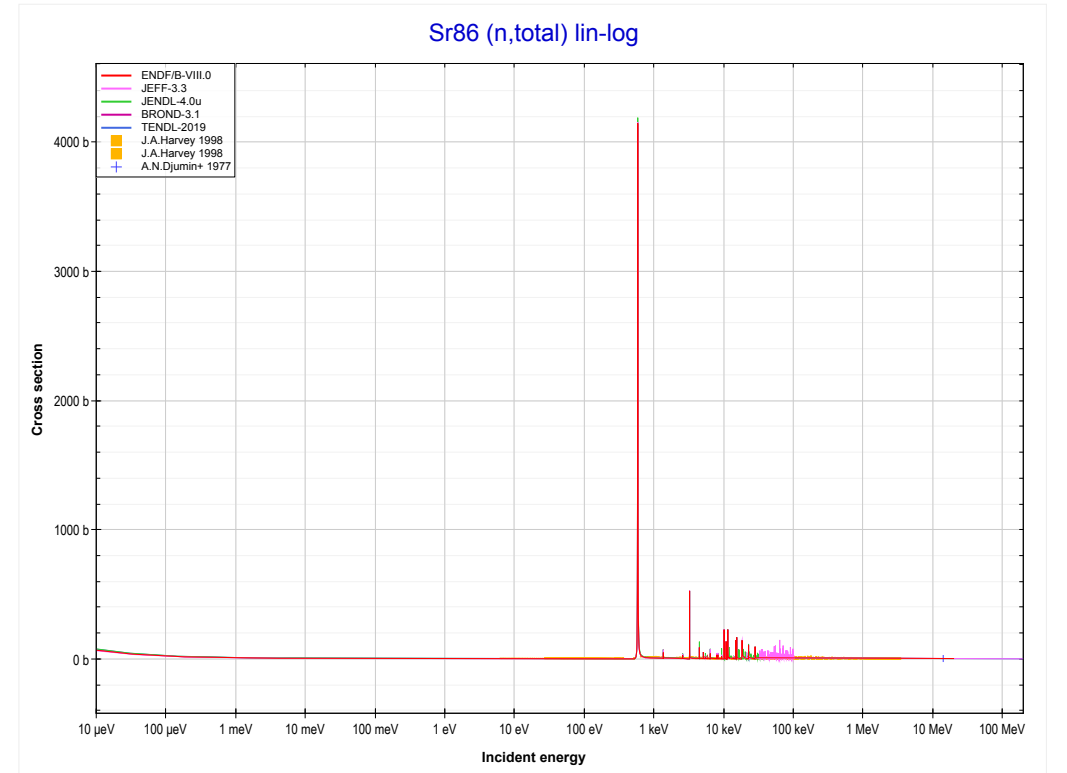
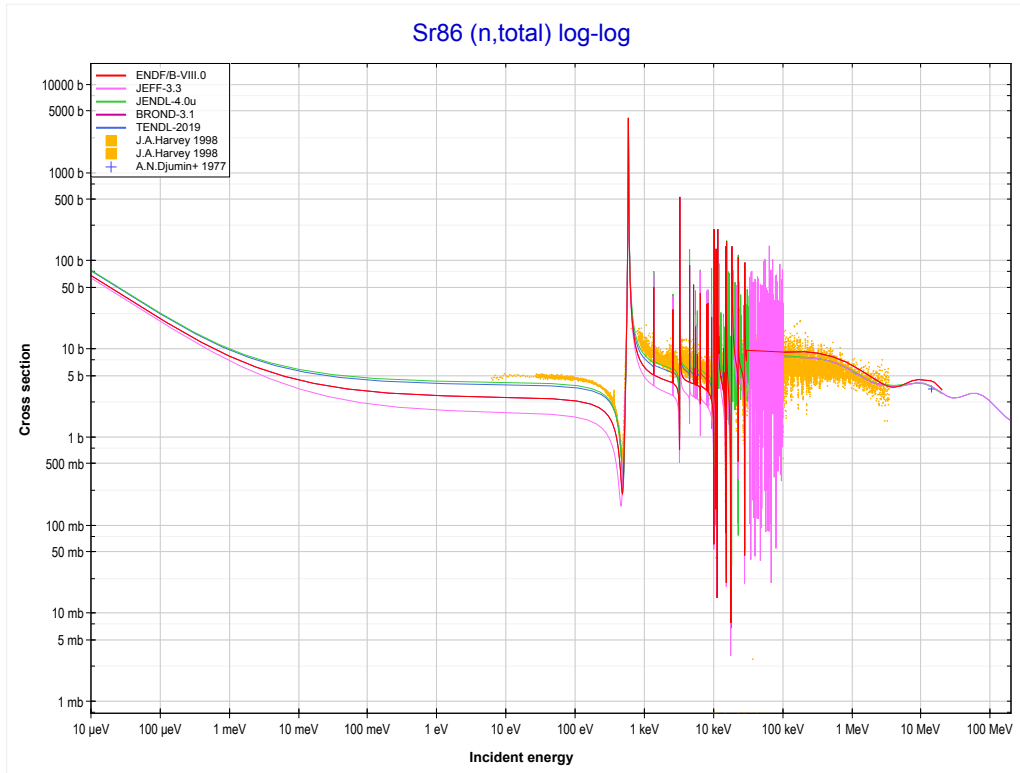
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.813202 b | 0.812594 b | 0.81252 b | 0.99992 | 10.1882 b | 0.0681708 b | 0.00202001 b |
| ENDF/B-VIII.0 | 0.822173 b | 0.822173 b | 0.82251 b | 1.0004 | 11.1766 b | 0.0720459 b | 5.7558E-4 b |
| JEFF-3.3 | 0.819297 b | 0.819297 b | 0.81957 b | 1.00033 | 10.409 b | 0.0878087 b | 0.00177134 b |
| JENDL-4.0u | 0.82771 b | 0.82771 b | 0.82804 b | 1.0004 | 11.0325 b | 0.0791371 b | 0.001726 b |
| BROND-3.1 | 0.822173 b | 0.822173 b | 0.82251 b | 1.0004 | 11.1766 b | 0.0720459 b | 5.7558E-4 b |
| TENDL-2019 | 0.847362 b | 0.847362 b | 0.84738 b | 1.00002 | 15.9779 b | 0.0874846 b | 0.00175916 b |

| | | |
|-------------------------|---|---------------------------|
| << 37-Rb-87 | 38-Sr-84 | 38-Sr-86 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rb84 production) | 38-Sr-86 MT1 (n,total) >> |



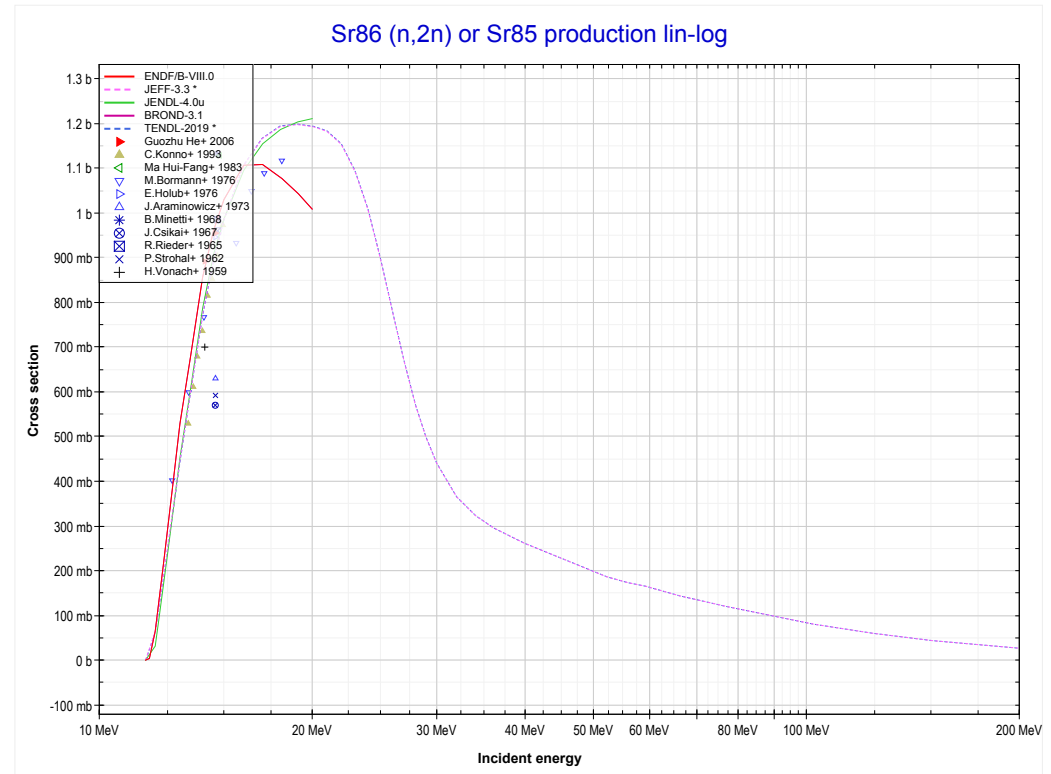
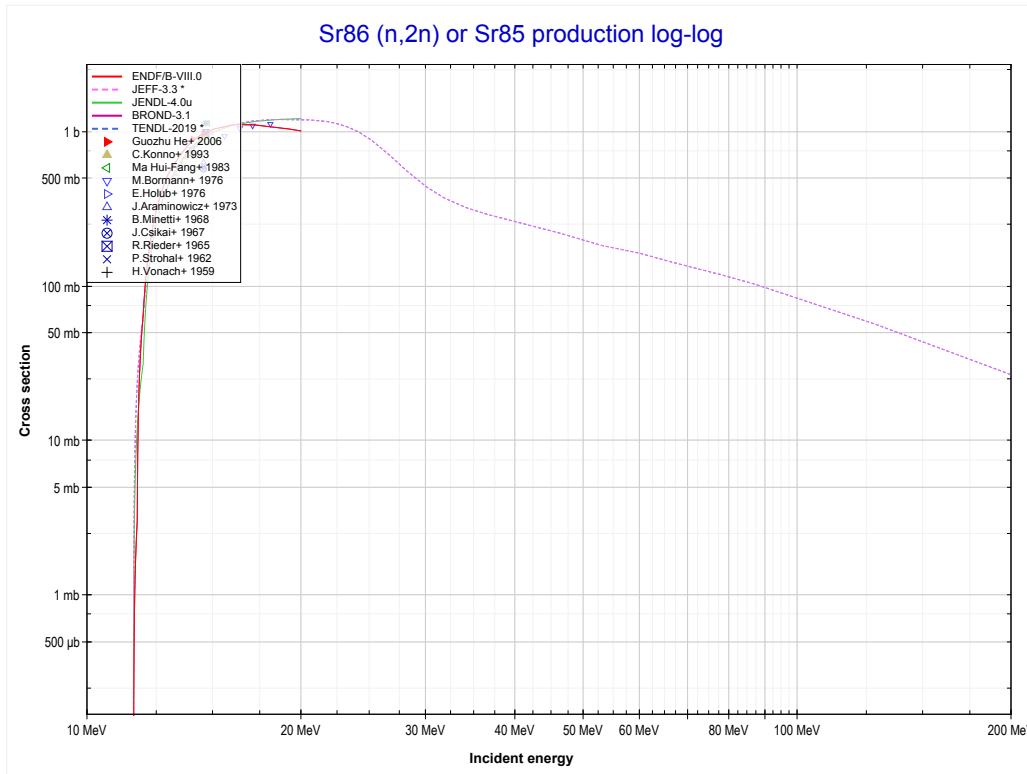
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00401143 b | 0.0957738 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.004405 b | 0.107762 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00545059 b | 0.1013 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00401143 b | 0.0957738 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00440538 b | 0.10732 b |

| | | |
|-------------------------|----------------------|----------------|
| << 38-Sr-84 | 38-Sr-86 | 38-Sr-87 >> |
| << 38-Sr-84 MT103 (n,p) | MT1 (n,total) | MT16 (n,2n) >> |



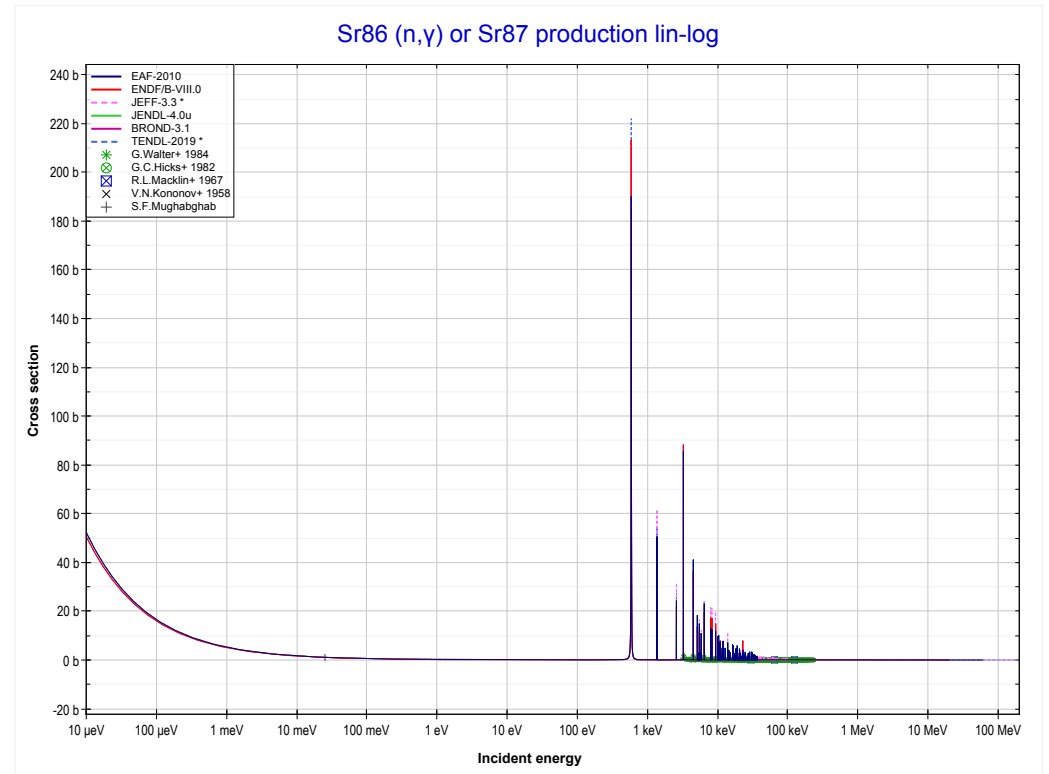
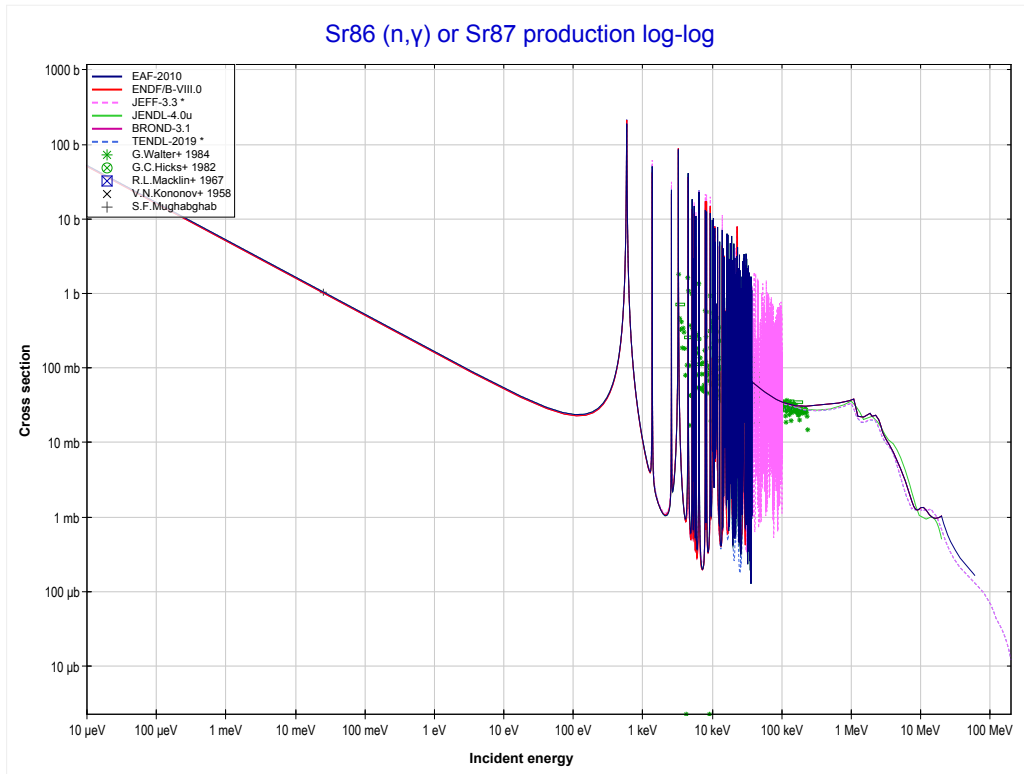
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.80618 b | 3.80618 b | 4.1661 b | 1.09455 | 127.924 b | 5.71423 b | 4.33432 b |
| JEFF-3.3 | 2.90354 b | 2.90354 b | 3.1438 b | 1.08276 | 117.896 b | 5.12296 b | 3.77597 b |
| JENDL-4.0u | 5.19763 b | 5.19763 b | 5.7316 b | 1.10274 | 148.073 b | 5.17772 b | 3.714 b |
| BROND-3.1 | 3.80618 b | 3.80618 b | 4.1661 b | 1.09455 | 127.924 b | 5.71423 b | 4.33432 b |
| TENDL-2019 | 4.9479 b | 4.9479 b | 5.4494 b | 1.10136 | 138.708 b | 5.10775 b | 3.77597 b |

| | | |
|------------------|---|-------------------------|
| << 38-Sr-84 | 38-Sr-86 | 38-Sr-88 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Sr85 production) | MT102 (n, γ) >> |



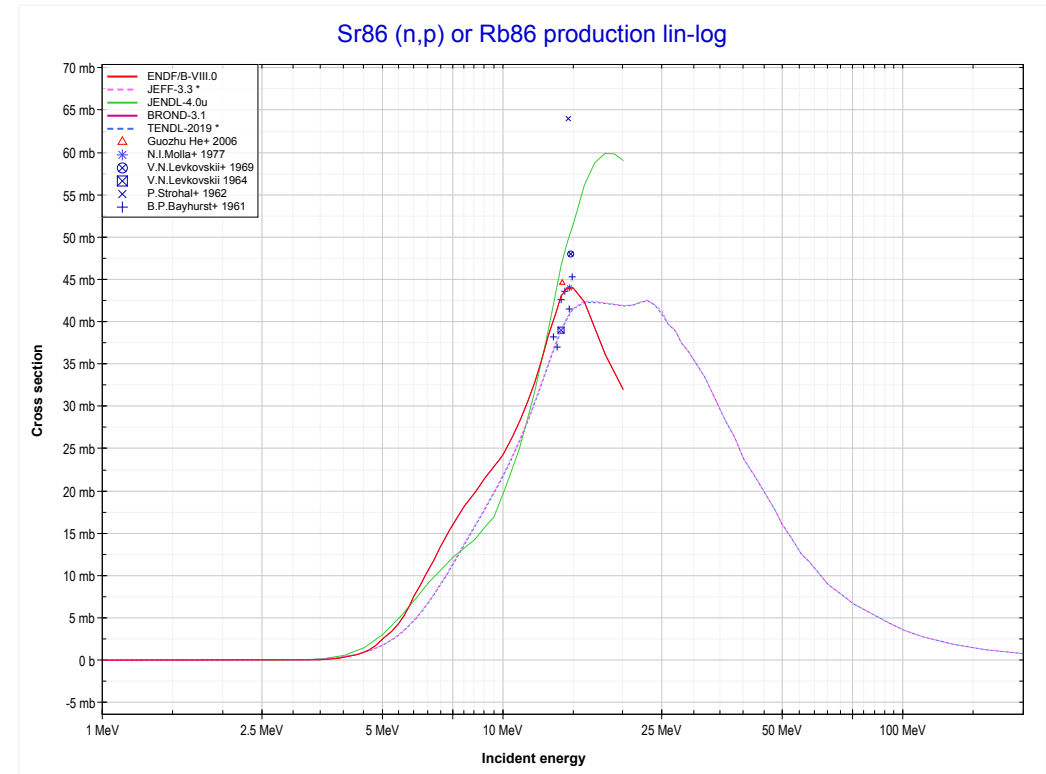
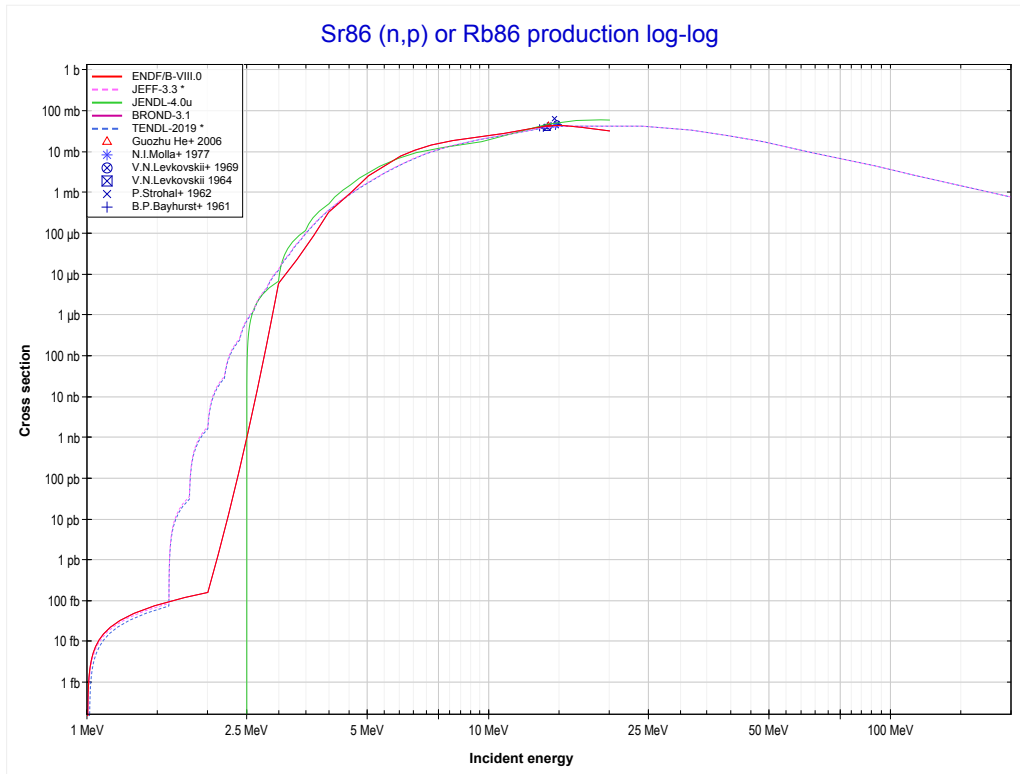
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70316E-4 b | 0.856157 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49798E-4 b | 0.773599 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.44735E-4 b | 0.7866 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70316E-4 b | 0.856157 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48269E-4 b | 0.770121 b |

| | | |
|----------------|---|----------------|
| << 38-Sr-84 | 38-Sr-86 | 38-Sr-87 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sr87 production) | MT103 (n,p) >> |



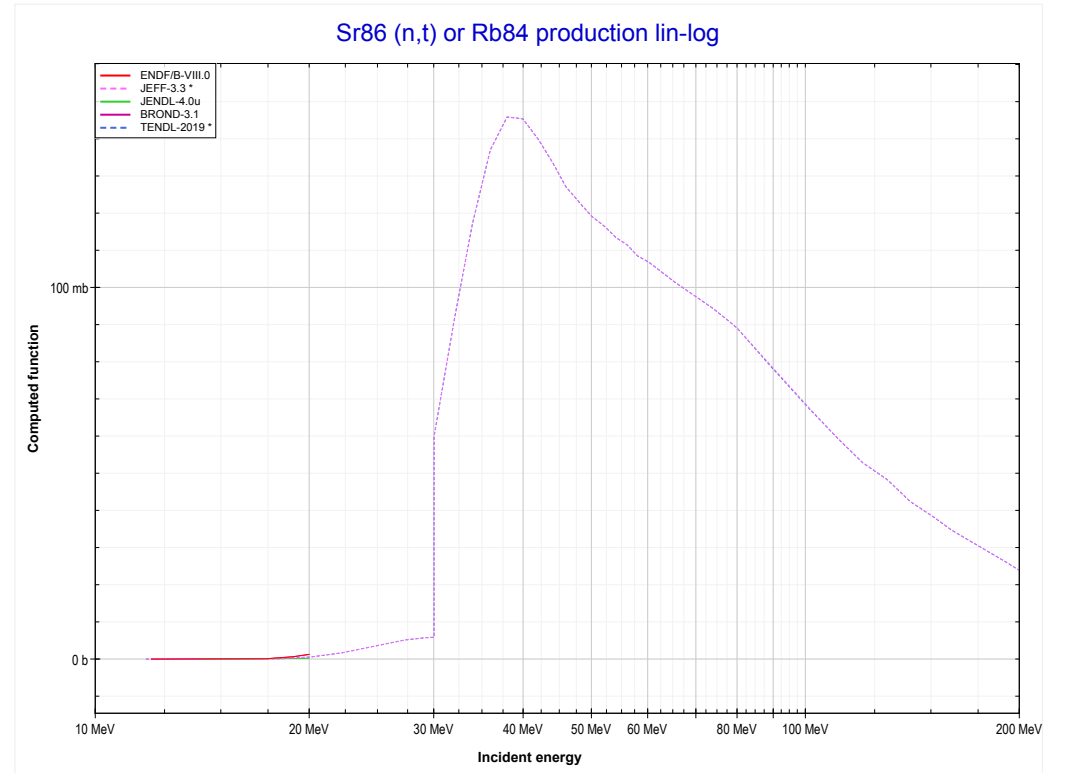
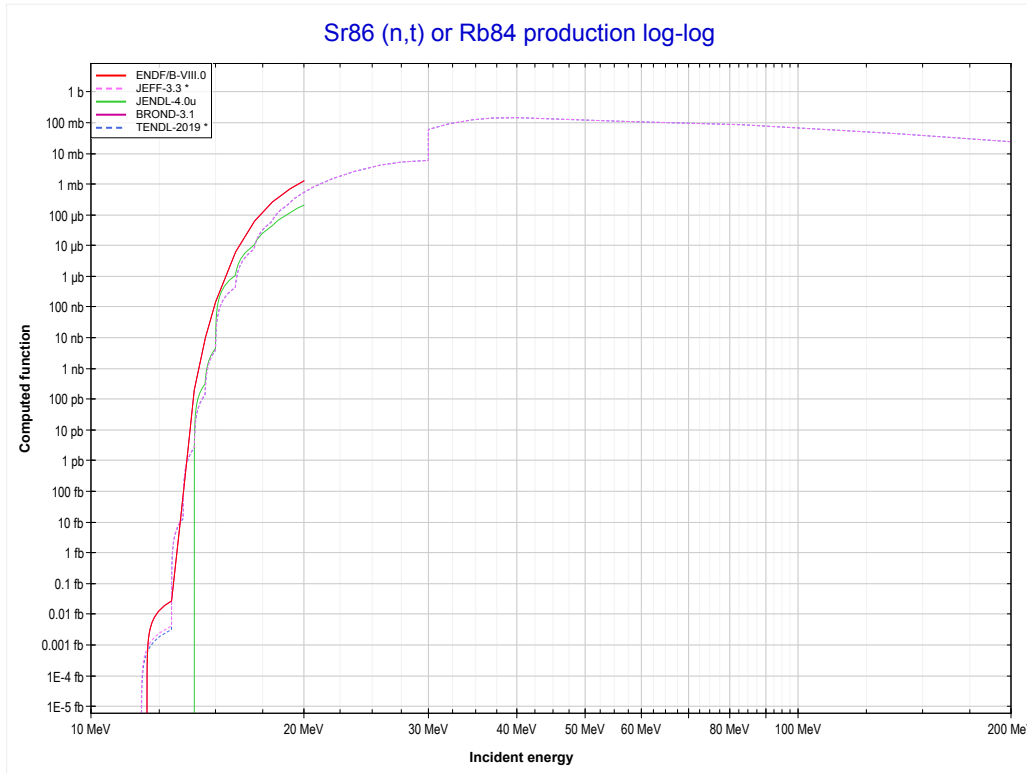
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.04102 b | 1.04024 b | 1.0401 b | 0.99988 | 4.70612 b | 0.0232979 b | 0.00102573 b |
| ENDF/B-VIII.0 | 1.0055 b | 1.0055 b | 1.0059 b | 1.00042 | 4.76933 b | 0.0232427 b | 0.00102573 b |
| JEFF-3.3 | 1.03456 b | 1.03456 b | 1.035 b | 1.00042 | 4.86593 b | 0.0201515 b | 0.00121886 b |
| JENDL-4.0u | 1.04033 b | 1.04033 b | 1.0408 b | 1.00042 | 4.70457 b | 0.0222982 b | 9.988E-4 b |
| BROND-3.1 | 1.0055 b | 1.0055 b | 1.0059 b | 1.00042 | 4.76933 b | 0.0232427 b | 0.00102573 b |
| TENDL-2019 | 1.04309 b | 1.04309 b | 1.0432 b | 1.0001 | 4.96462 b | 0.0199099 b | 0.00121701 b |

| | | |
|-------------------------|---|----------------|
| << 38-Sr-84 | 38-Sr-86 | 38-Sr-88 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rb86 production) | MT105 (n,t) >> |



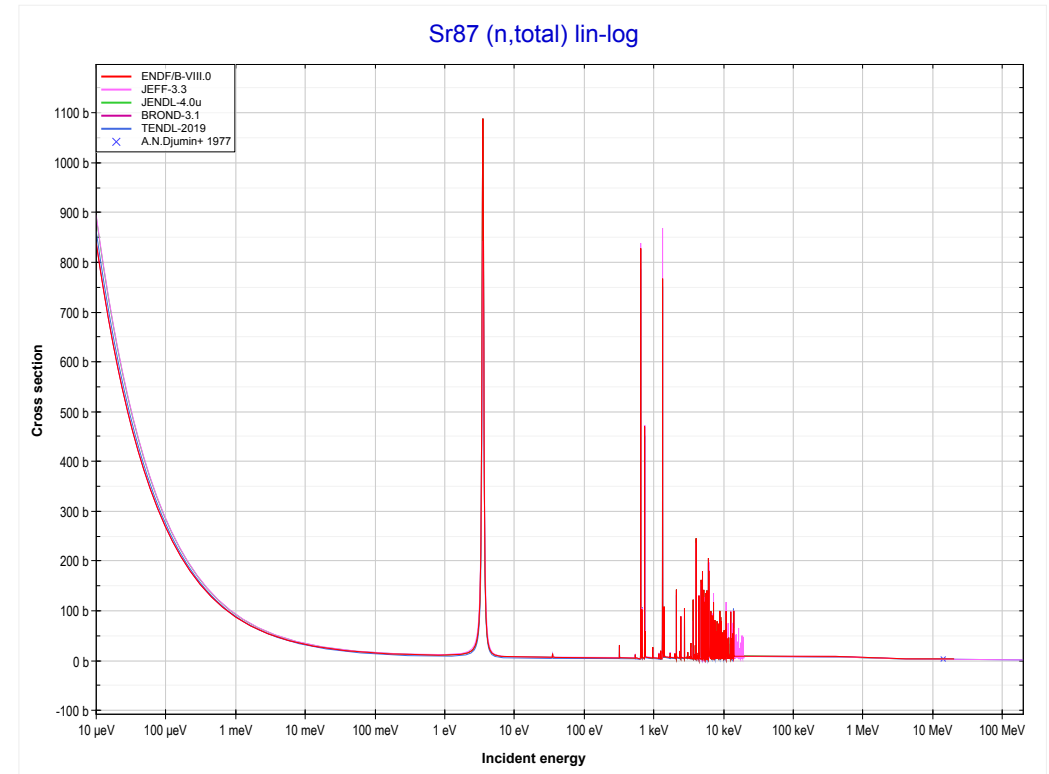
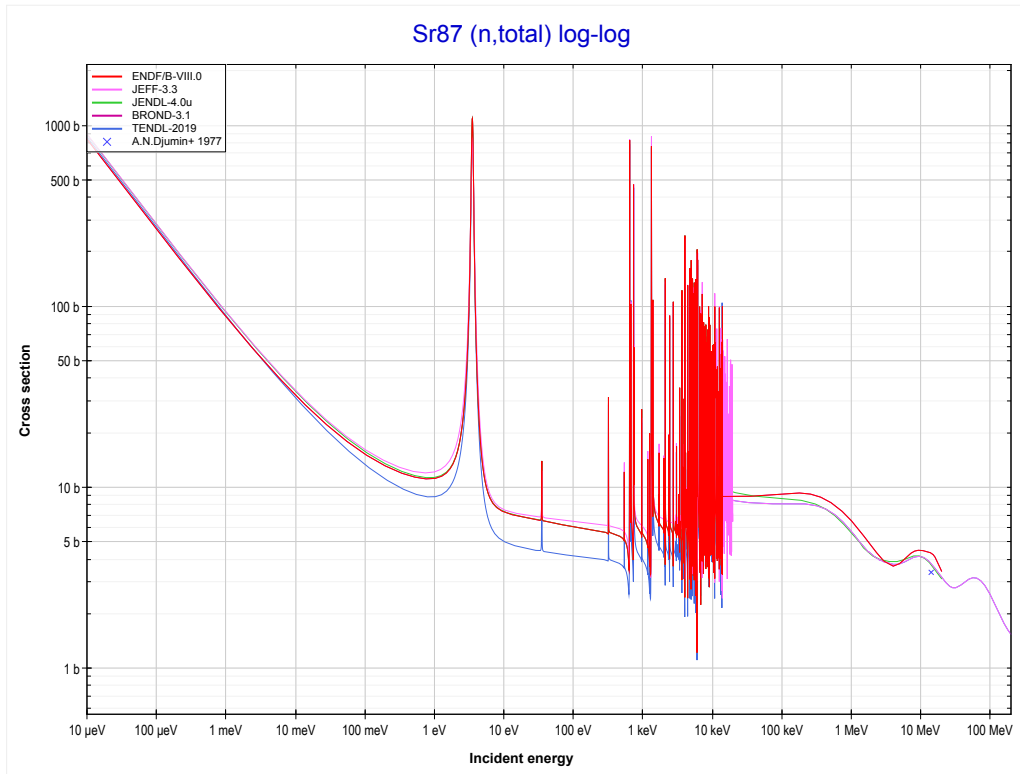
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.40741E-4 b | 0.0430266 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.86374E-4 b | 0.0390827 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.04163E-4 b | 0.0466 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.40741E-4 b | 0.0430266 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.78646E-4 b | 0.0388771 b |

| | | |
|----------------|---|---------------------------|
| << 35-Br-79 | 38-Sr-86 | 38-Sr-88 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Rb84 production) | 38-Sr-87 MT1 (n,total) >> |



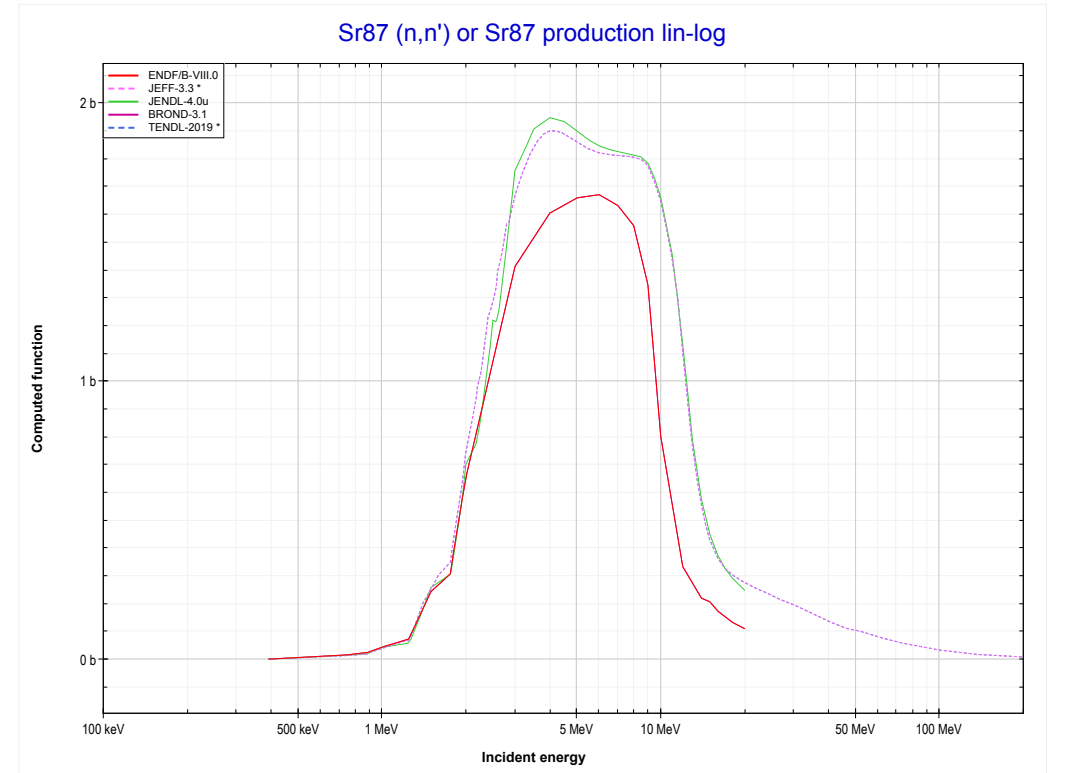
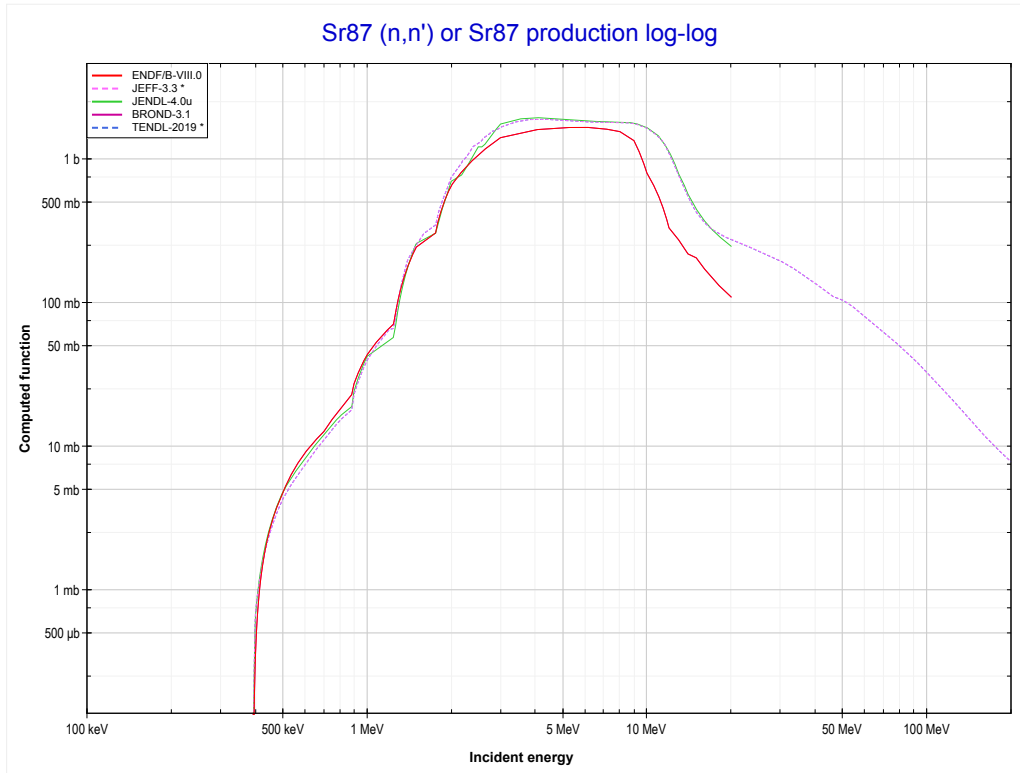
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13681E-9 b | 2.08426E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35363E-9 b | 2.71324E-12 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.68599E-10 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13681E-9 b | 2.0843E-10 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34071E-9 b | 2.5729E-12 b |

| | | |
|-------------------------|----------------------|---------------|
| << 38-Sr-86 | 38-Sr-87 | 38-Sr-88 >> |
| << 38-Sr-86 MT105 (n,t) | MT1 (n,total) | MT4 (n,n') >> |



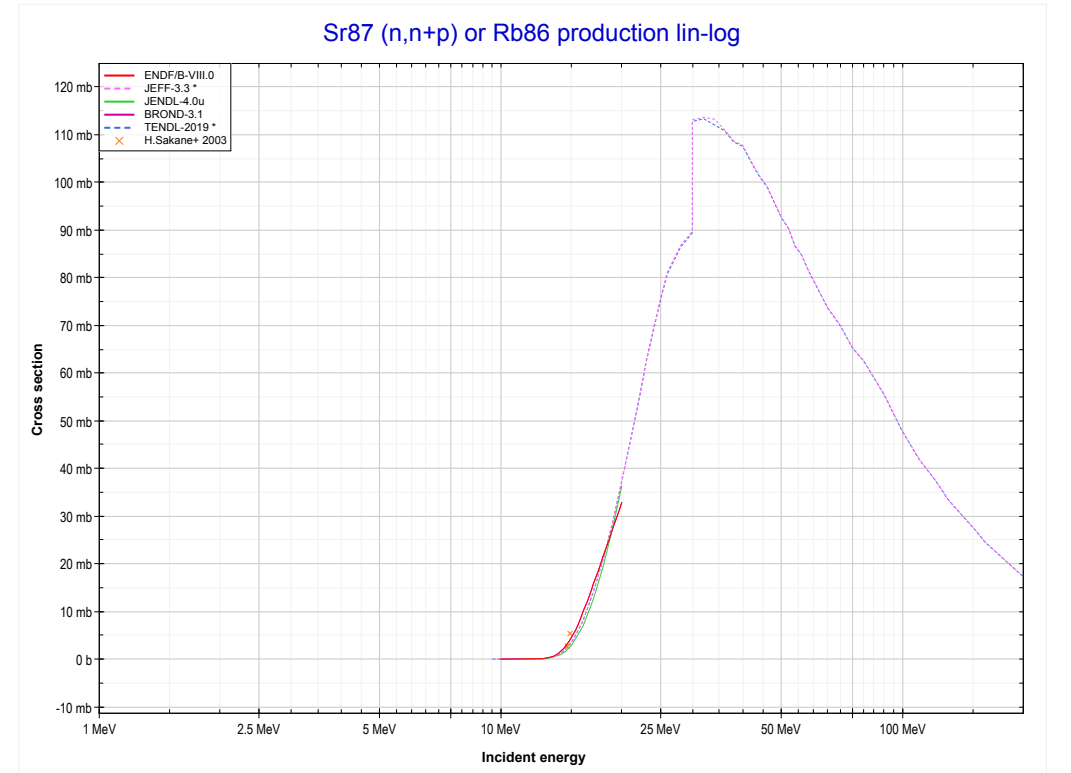
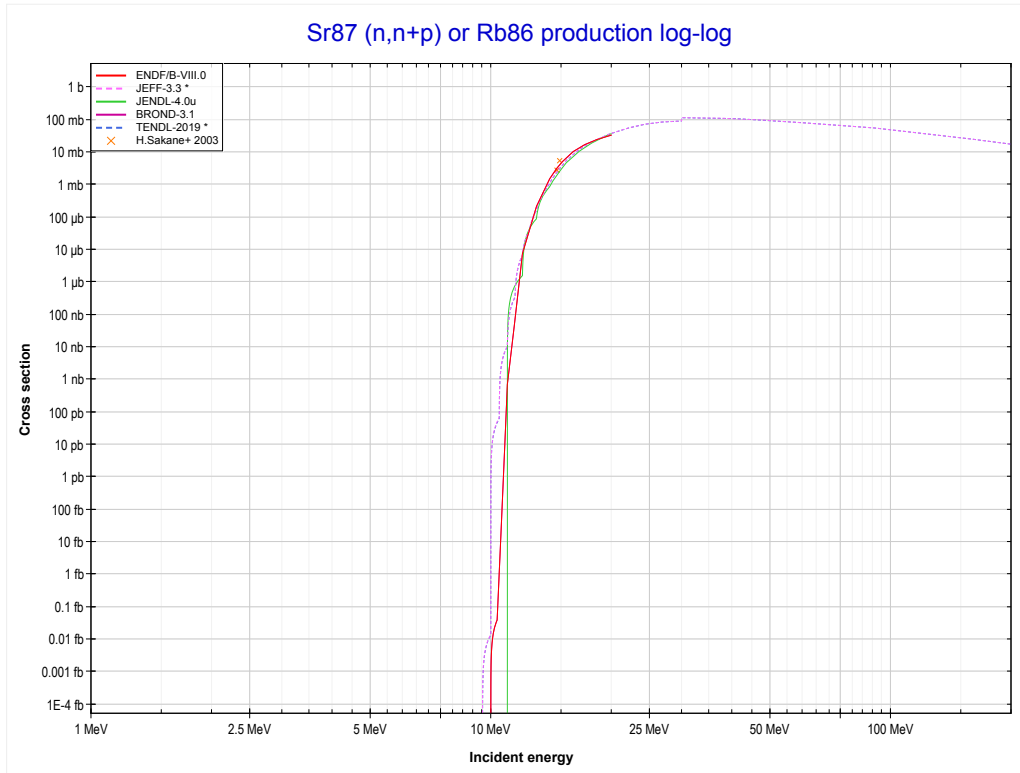
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.9449 b | 22.9449 b | 23.932 b | 1.04301 | 216.866 b | 5.71707 b | 4.33428 b |
| JEFF-3.3 | 24.3557 b | 24.3557 b | 25.406 b | 1.04313 | 213.382 b | 5.17469 b | 3.80035 b |
| JENDL-4.0u | 23.9731 b | 23.9731 b | 24.96 b | 1.04116 | 217.447 b | 5.19696 b | 3.75 b |
| BROND-3.1 | 22.9449 b | 22.9449 b | 23.932 b | 1.04301 | 216.866 b | 5.71707 b | 4.33428 b |
| TENDL-2019 | 21.432 b | 21.432 b | 22.116 b | 1.03193 | 179.256 b | 5.17391 b | 3.80034 b |

| | | |
|------------------|--|-----------------|
| << 37-Rb-85 | 38-Sr-87 | 39-Y-89 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Sr87 production) | MT28 (n,n+p) >> |



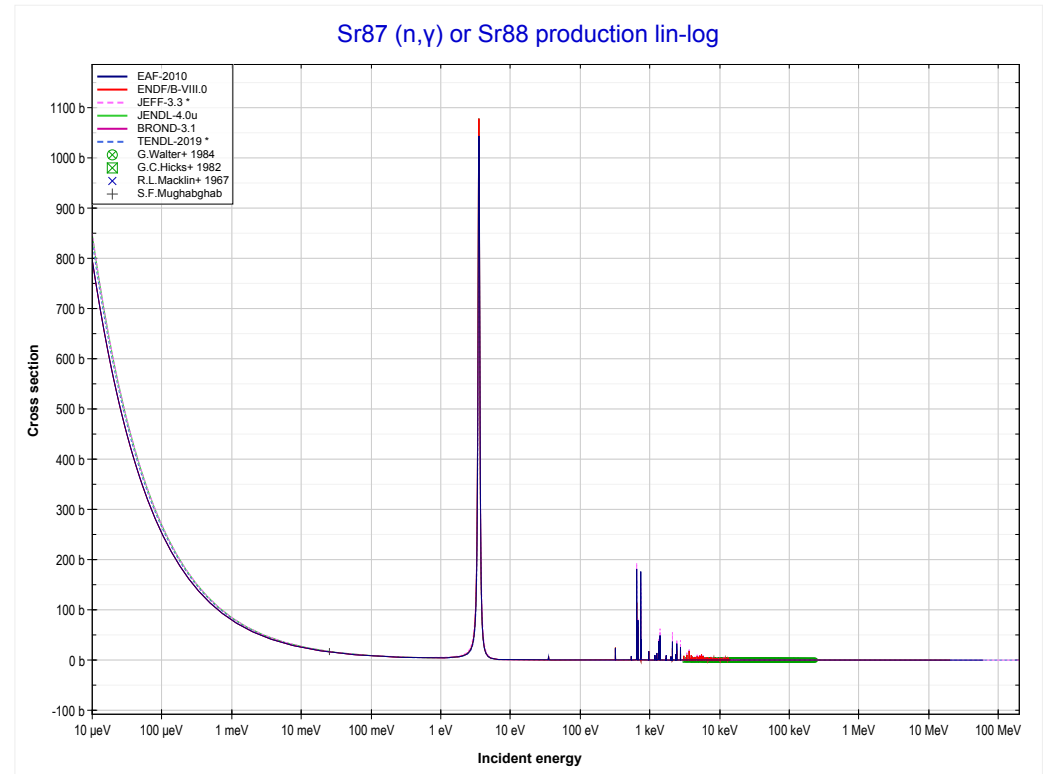
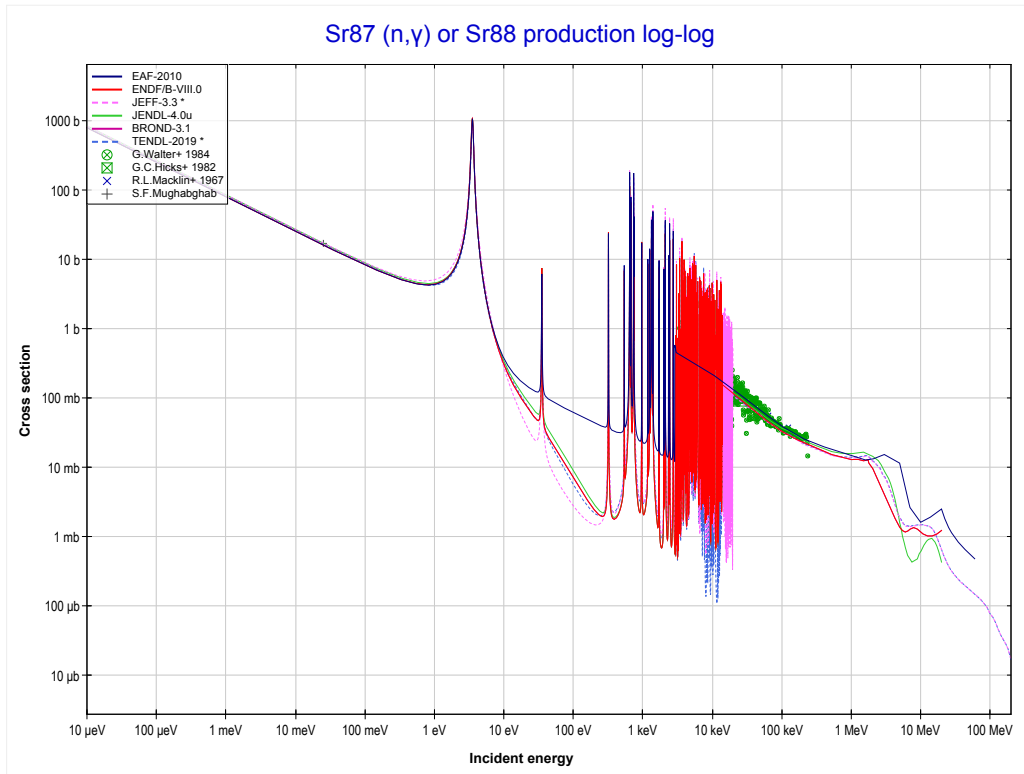
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.591353 b | 0.219351 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.690925 b | 0.55647 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.675623 b | 0.575094 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.591353 b | 0.219351 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.690871 b | 0.553983 b |

| | | |
|---------------|--|-------------------------|
| << 34-Se-80 | 38-Sr-87 | 40-Zr-88 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Rb86 production) | MT102 (n, γ) >> |



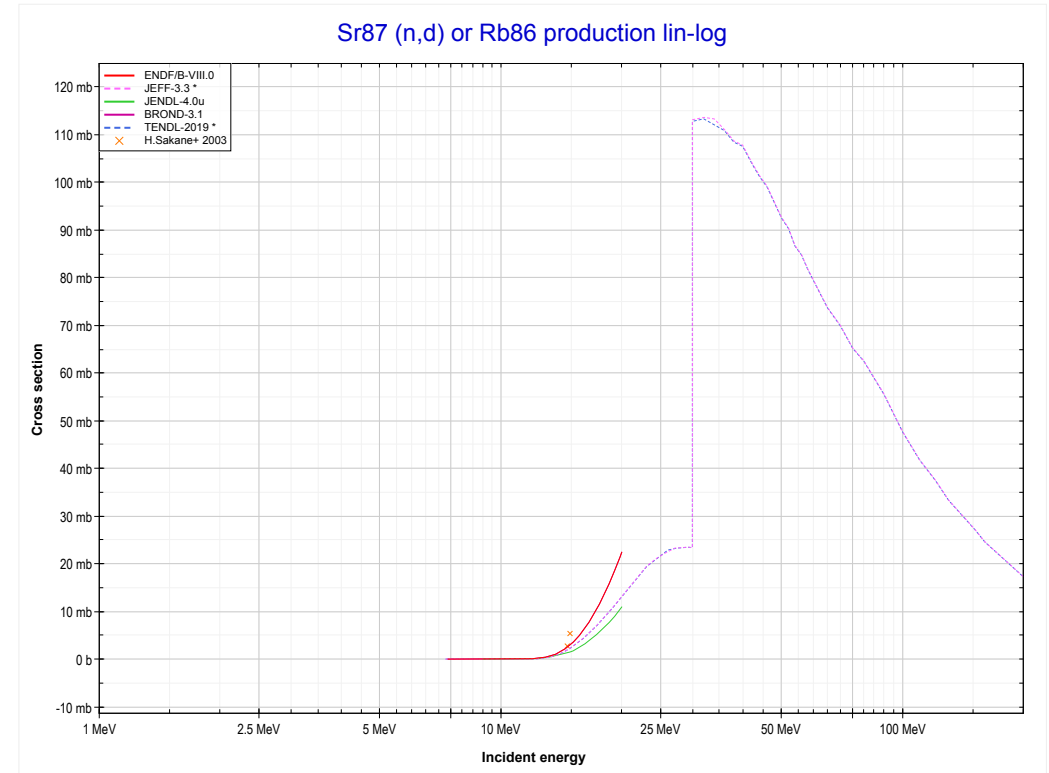
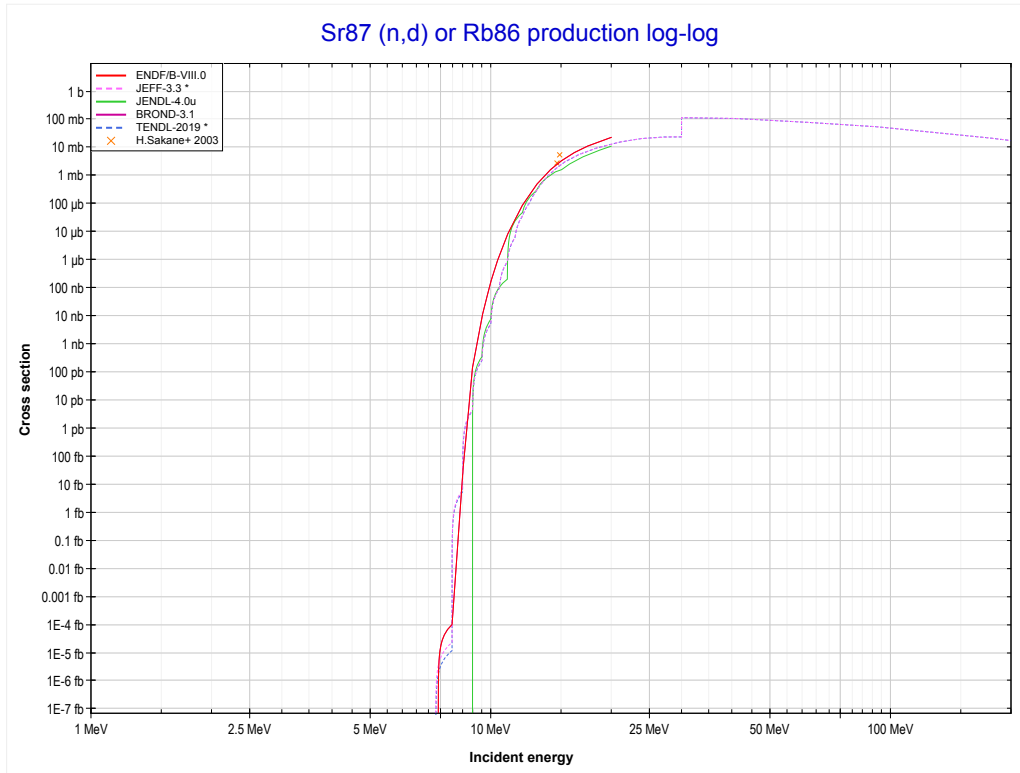
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.87504E-7 b | 0.00141299 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.80866E-7 b | 0.00103034 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.795E-7 b | 8.009E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.87504E-7 b | 0.00141299 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.72722E-7 b | 0.00101194 b |

| | | |
|-----------------|---|----------------|
| << 38-Sr-86 | 38-Sr-87 | 38-Sr-88 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sr88 production) | MT104 (n,d) >> |



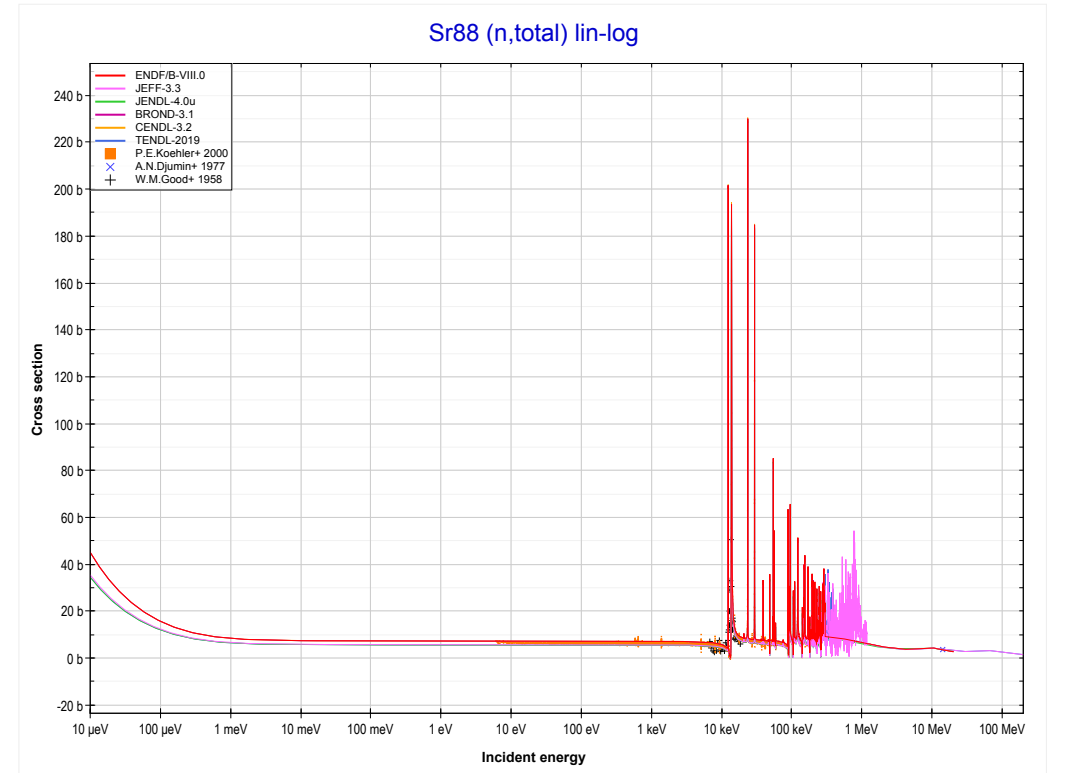
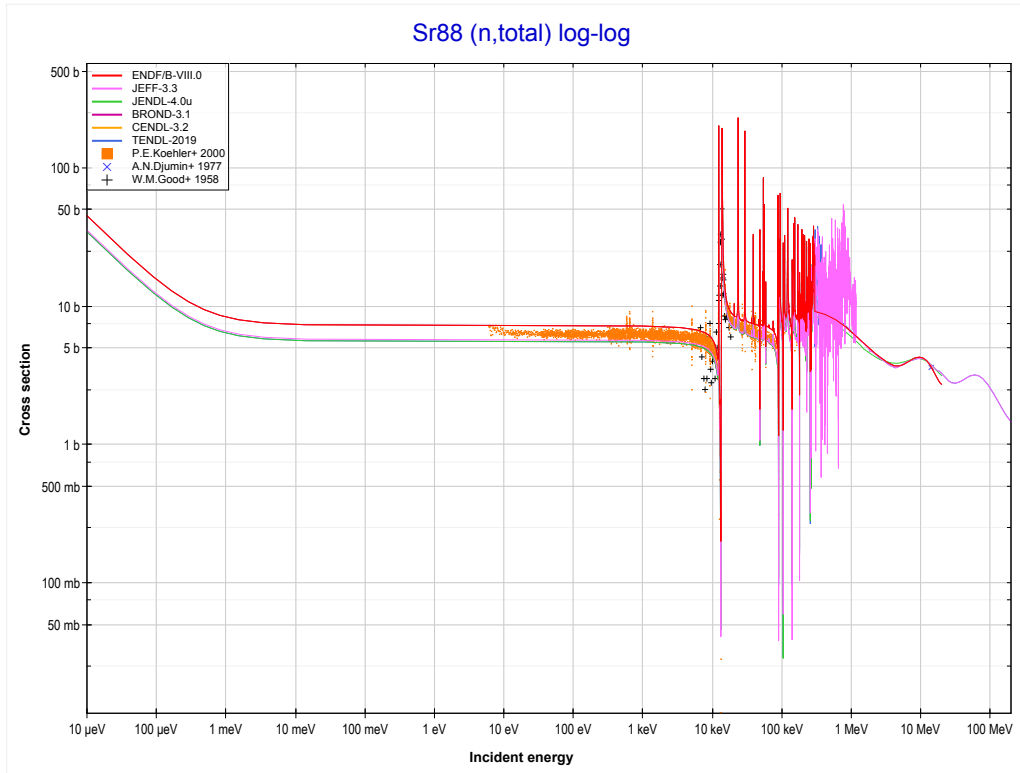
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 16.0225 b | 16.0108 b | 16.098 b | 1.00548 | 118.171 b | 0.015611 b | 0.00190668 b |
| ENDF/B-VIII.0 | 16.0076 b | 16.0076 b | 16.107 b | 1.0062 | 121.001 b | 0.0110304 b | 0.001002 b |
| JEFF-3.3 | 17.1249 b | 17.1249 b | 17.25 b | 1.0073 | 117.943 b | 0.0122151 b | 0.00133381 b |
| JENDL-4.0u | 17.0357 b | 17.0357 b | 17.135 b | 1.00582 | 121.373 b | 0.0141129 b | 9.243E-4 b |
| BROND-3.1 | 16.0076 b | 16.0076 b | 16.107 b | 1.0062 | 121.001 b | 0.0110304 b | 0.001002 b |
| TENDL-2019 | 16.7031 b | 16.7031 b | 16.782 b | 1.00472 | 107.523 b | 0.0125333 b | 0.00133255 b |

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|-------------------------|---|---------------------------|
| << 34-Se-77 | 38-Sr-87 | 39-Y-89 >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (Rb86 production) | 38-Sr-88 MT1 (n,total) >> |



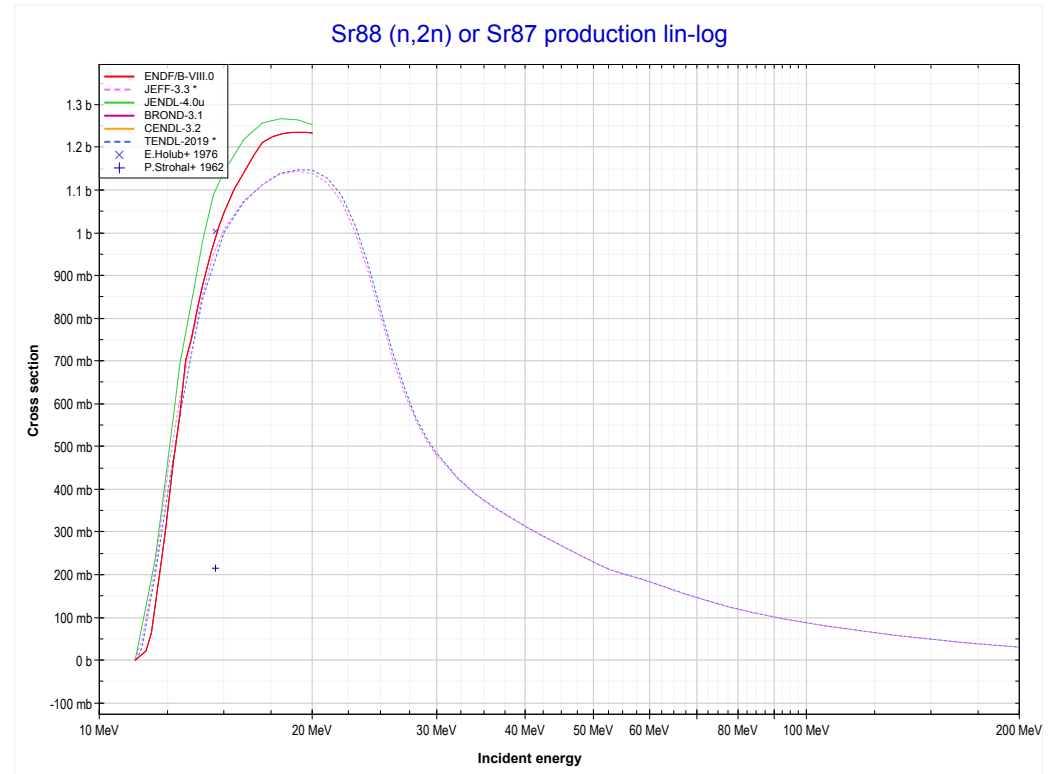
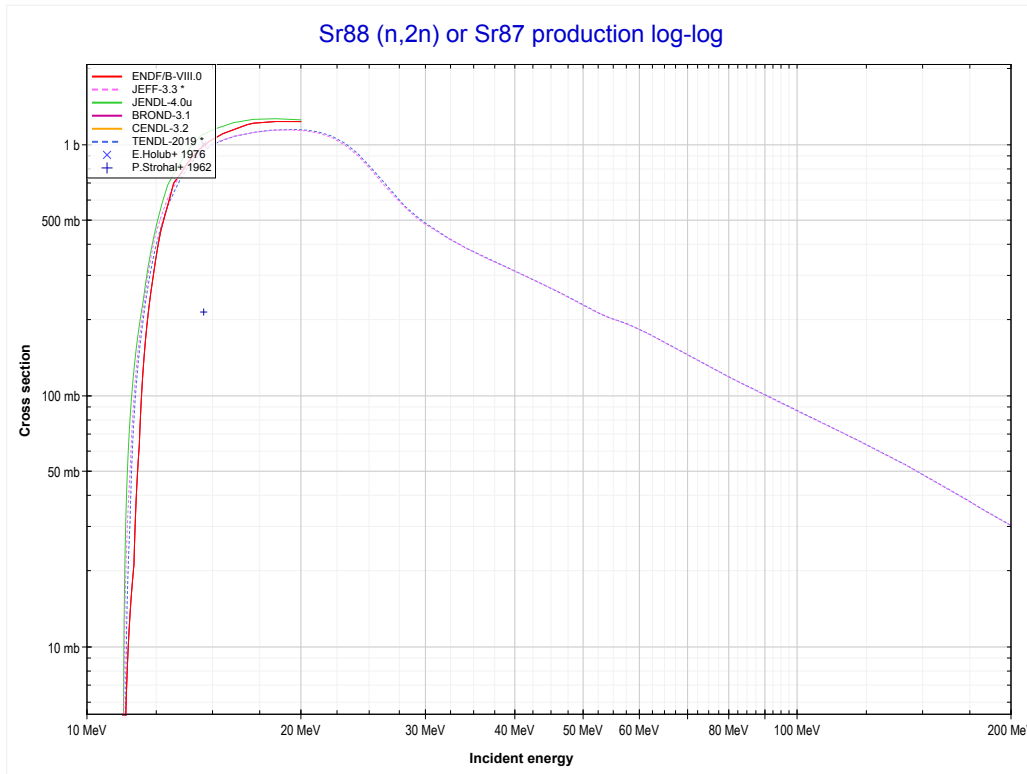
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.00229E-7 b | 0.00145482 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.82533E-7 b | 0.00104482 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.93642E-7 b | 9.603E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.00229E-7 b | 0.00145482 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79834E-7 b | 0.00104296 b |

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|-------------------------|----------------------|----------------|
| << 38-Sr-87 | 38-Sr-88 | 39-Y-89 >> |
| << 38-Sr-87 MT104 (n,d) | MT1 (n,total) | MT16 (n,2n) >> |



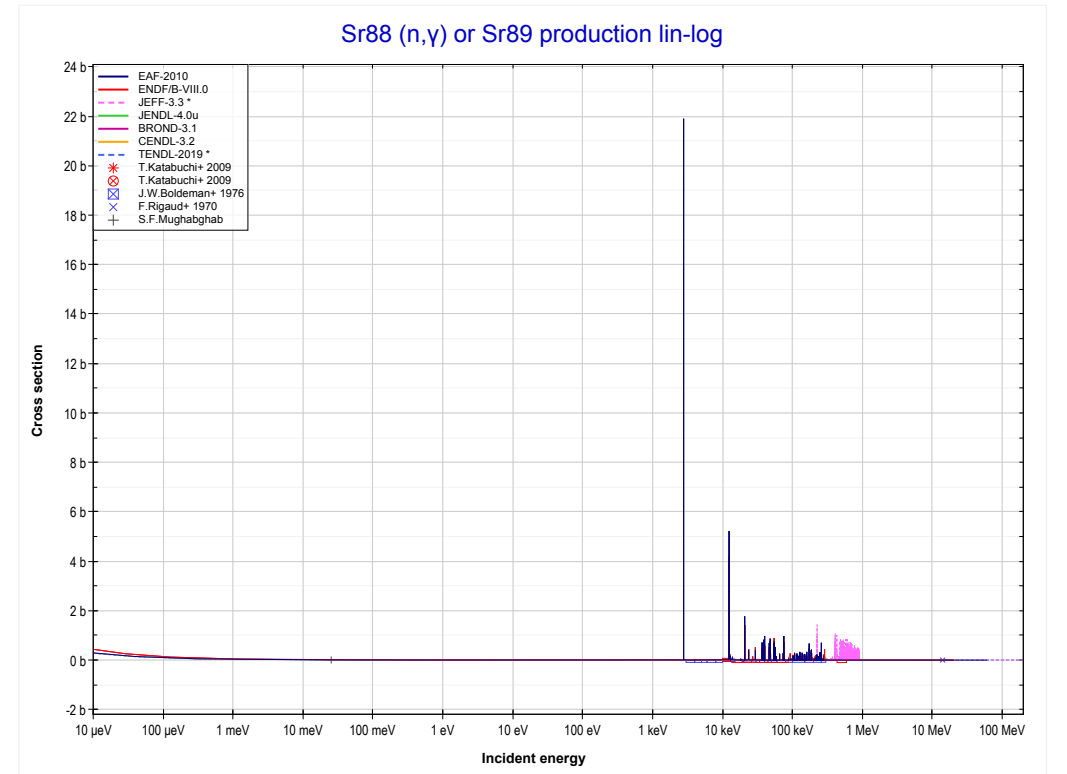
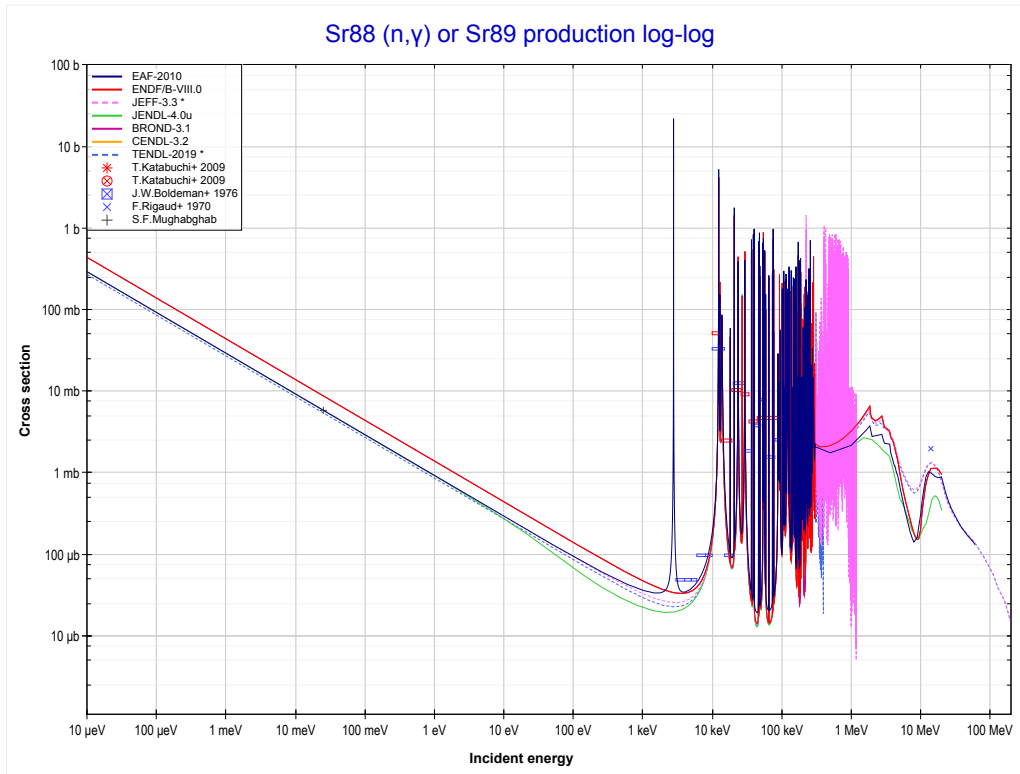
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.30716 b | 7.30716 b | 8.244 b | 1.12821 | 95.1093 b | 5.90826 b | 3.69249 b |
| JEFF-3.3 | 5.75167 b | 5.75167 b | 6.4892 b | 1.12824 | 76.3957 b | 7.32653 b | 3.78285 b |
| JENDL-4.0u | 5.59873 b | 5.59873 b | 6.3167 b | 1.12823 | 74.948 b | 5.43889 b | 3.79 b |
| BROND-3.1 | 7.30715 b | 7.30715 b | 8.244 b | 1.12821 | 95.1097 b | 5.90327 b | 3.69249 b |
| CENDL-3.2 | 7.30715 b | 7.30715 b | 8.2445 b | 1.12828 | 95.1033 b | 5.90493 b | 3.6925 b |
| TENDL-2019 | 5.60463 b | 5.60463 b | 6.3238 b | 1.12831 | 75.0061 b | 5.8663 b | 3.78284 b |

| | | |
|------------------|---|-------------------------|
| << 38-Sr-86 | 38-Sr-88 | 39-Y-88 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Sr87 production) | MT102 (n, γ) >> |



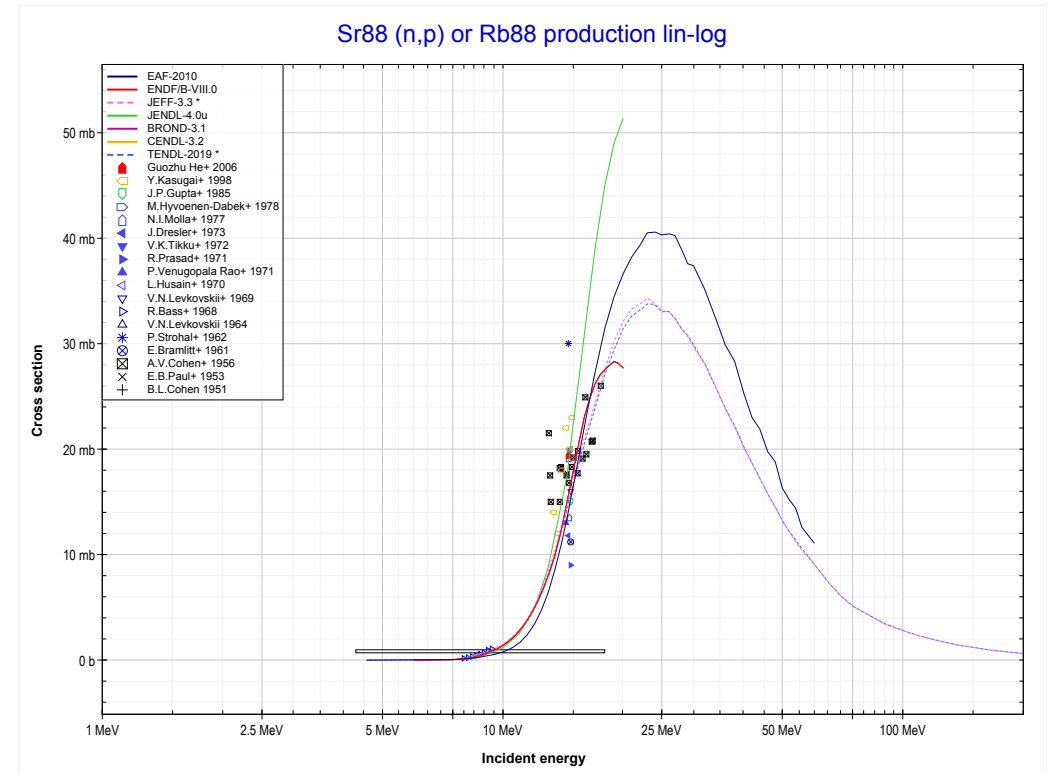
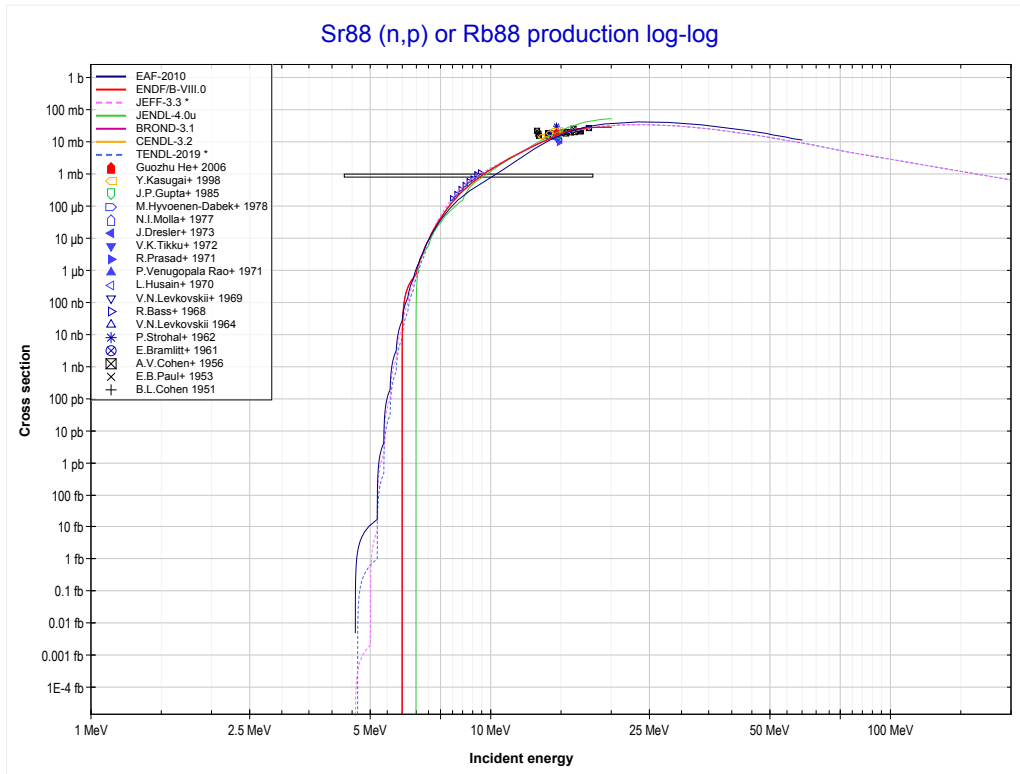
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.04079E-4 b | 0.87748 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36269E-4 b | 0.854986 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.79607E-4 b | 0.9806 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.04079E-4 b | 0.87748 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.04082E-4 b | 0.87748 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16647E-4 b | 0.844909 b |

| | | |
|----------------|---|----------------|
| << 38-Sr-87 | 38-Sr-88 | 38-Sr-89 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sr89 production) | MT103 (n,p) >> |



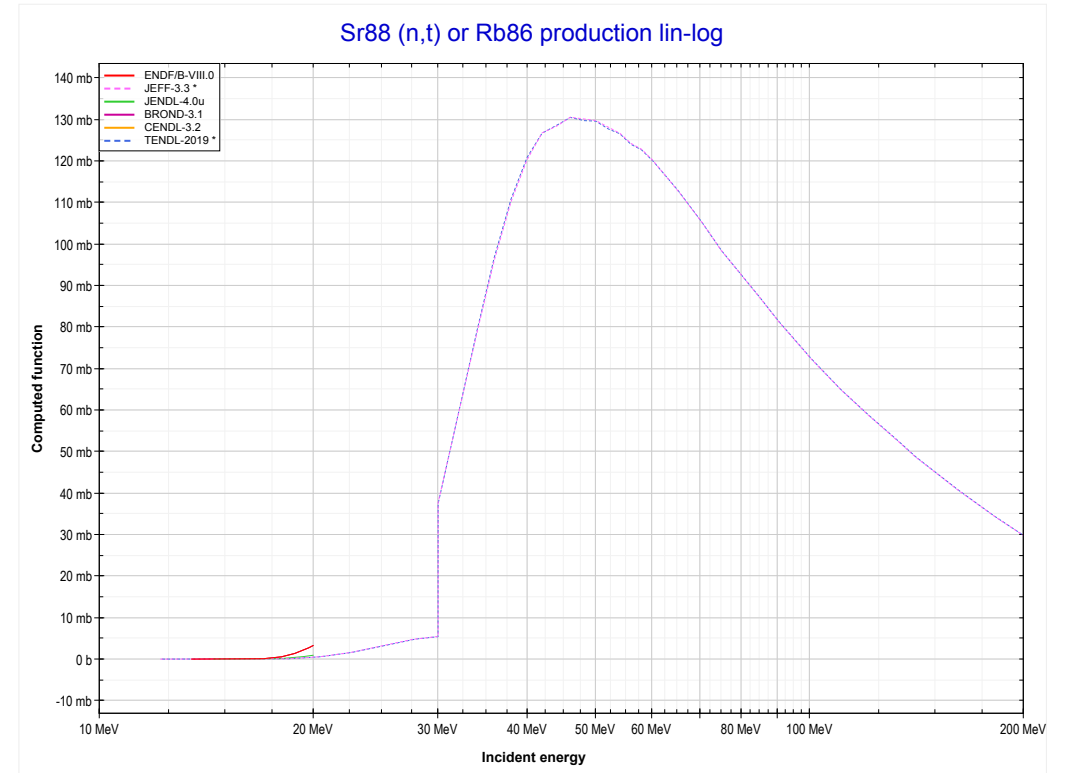
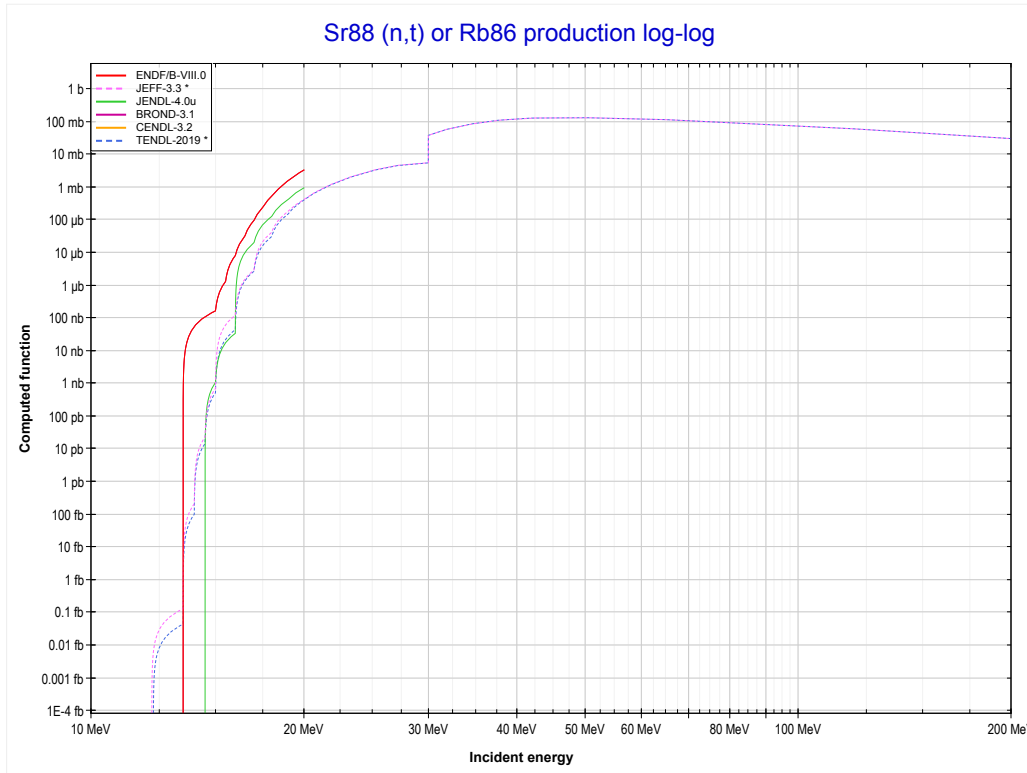
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.00580622 b | 0.00580187 b | 0.0058003 b | 0.99973 | 0.0530936 b | 0.00234492 b | 0.0010044 b |
| ENDF/B-VIII.0 | 0.00869342 b | 0.00869342 b | 0.0086967 b | 1.00038 | 0.0250825 b | 0.0033757 b | 0.0011264 b |
| JEFF-3.3 | 0.00577795 b | 0.00577795 b | 0.0057802 b | 1.00038 | 0.02375 b | 0.00527089 b | 0.00131689 b |
| JENDL-4.0u | 0.00580148 b | 0.00580148 b | 0.0058032 b | 1.00029 | 0.0236506 b | 0.00193524 b | 3.995E-4 b |
| BROND-3.1 | 0.00868813 b | 0.00868813 b | 0.0086914 b | 1.00038 | 0.0248012 b | 0.0033706 b | 0.0011264 b |
| CENDL-3.2 | 0.00868569 b | 0.00868569 b | 0.0086862 b | 1.00006 | 0.0247807 b | 0.00337124 b | 0.0011264 b |
| TENDL-2019 | 0.00536422 b | 0.00536422 b | 0.0053645 b | 1.00006 | 0.0235852 b | 0.00311708 b | 0.00129758 b |

| | | |
|-------------------------|---|----------------|
| << 38-Sr-86 | 38-Sr-88 | 39-Y-88 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rb88 production) | MT105 (n,t) >> |



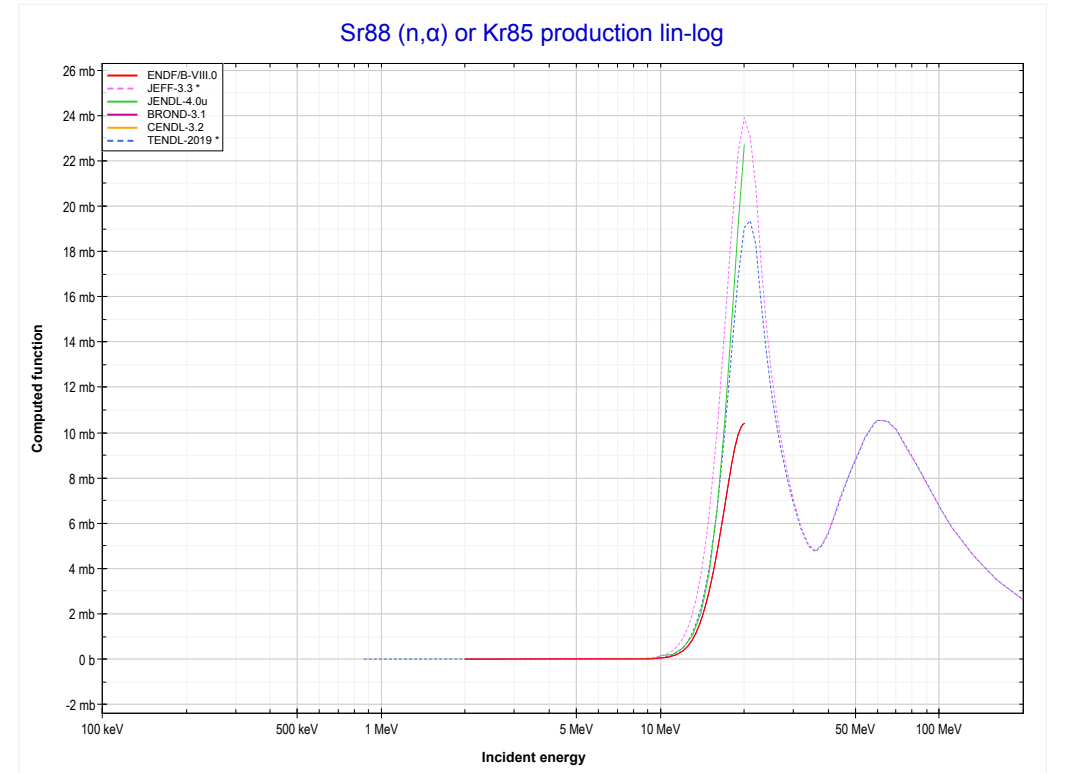
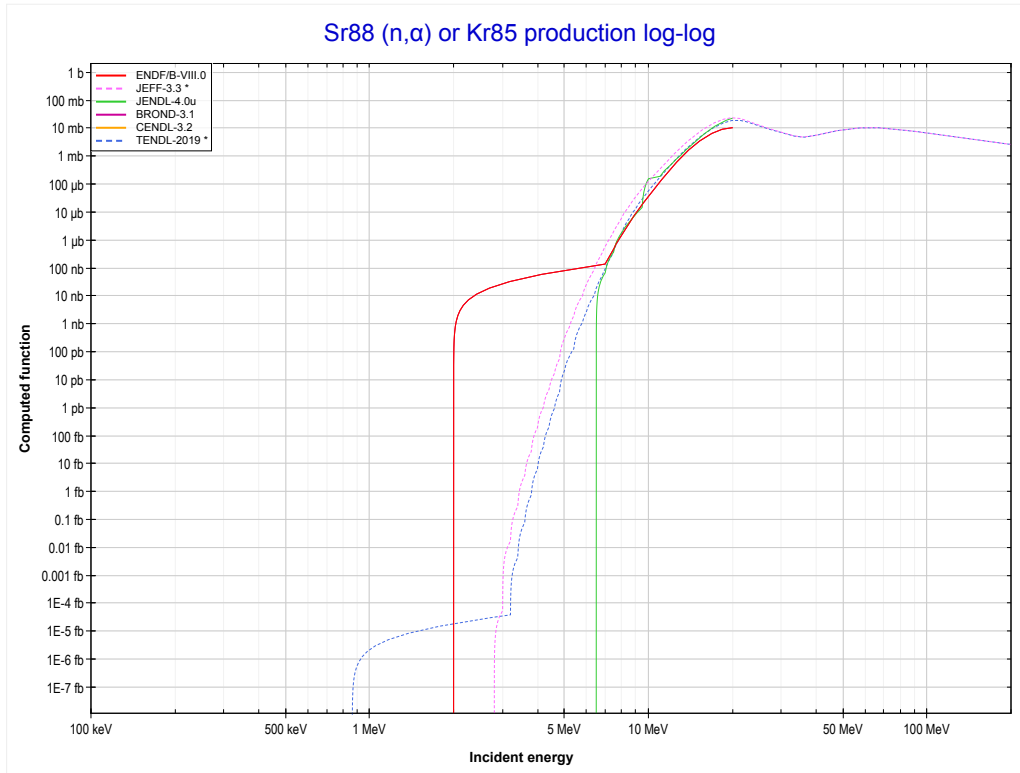
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.55195E-6 b | 0.0108564 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17967E-5 b | 0.012209 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2874E-5 b | 0.0125275 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.18558E-5 b | 0.01465 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17967E-5 b | 0.012209 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17967E-5 b | 0.012209 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19373E-5 b | 0.0120527 b |

| | | |
|----------------|---|-------------------------|
| << 38-Sr-86 | 38-Sr-88 | 39-Y-89 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Rb86 production) | MT107 (n, α) >> |



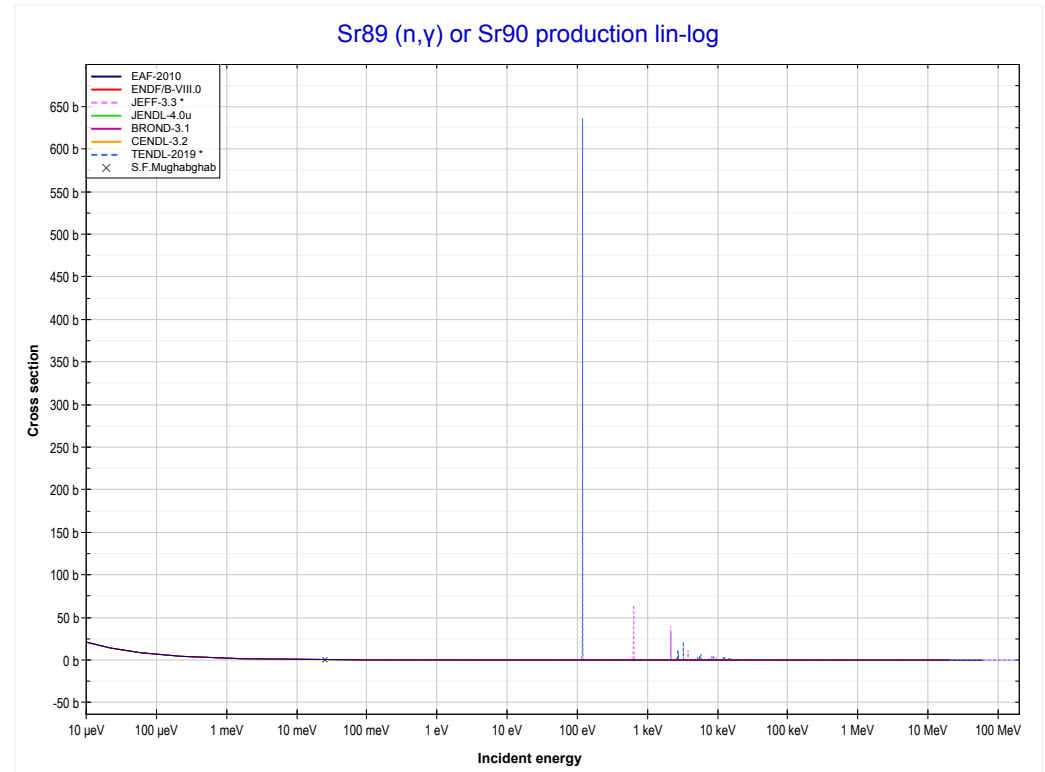
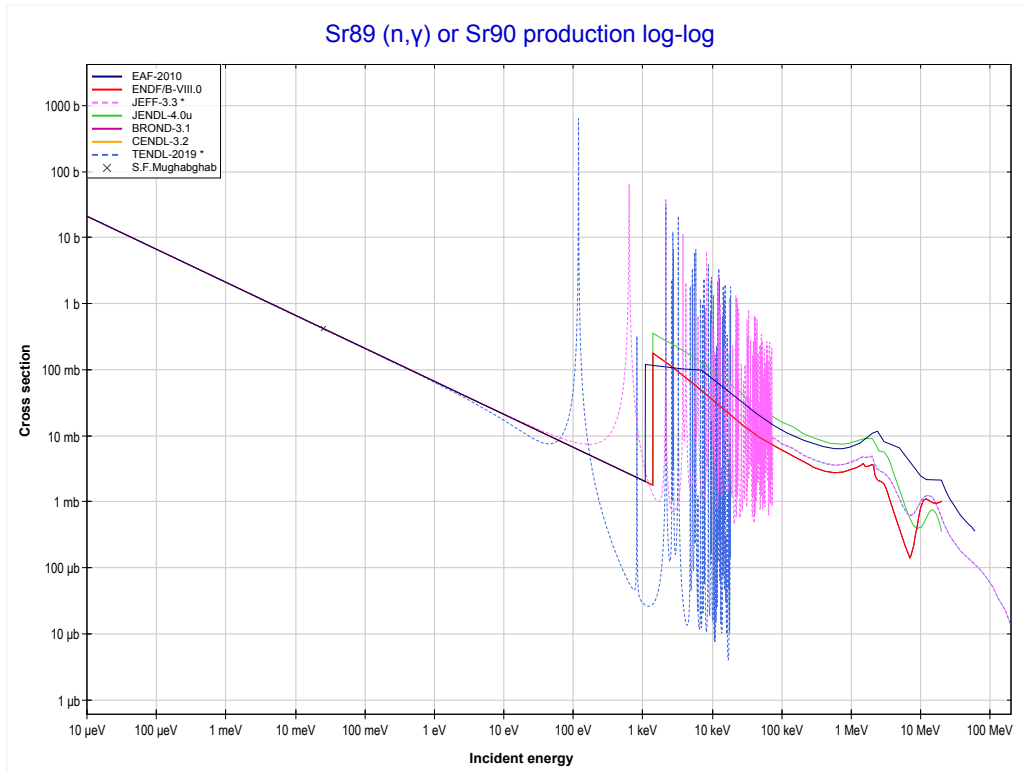
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.49602E-9 b | 5.401E-8 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.86191E-10 b | 2.05525E-13 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.55274E-9 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.49602E-9 b | 5.401E-8 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.49602E-9 b | 5.401E-8 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.51093E-10 b | 9.8632E-14 b |

| | | |
|----------------|---|----------------------------------|
| << 37-Rb-87 | 38-Sr-88 | 39-Y-89 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Kr85 production) | 38-Sr-89 MT102 (n, γ) >> |



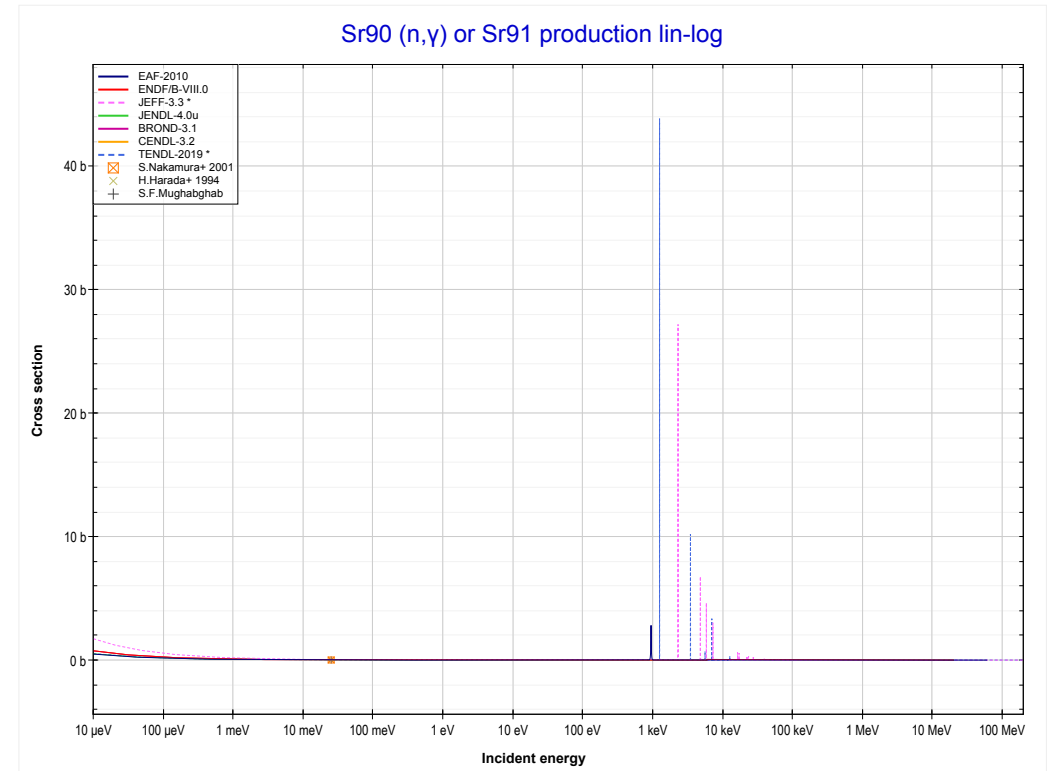
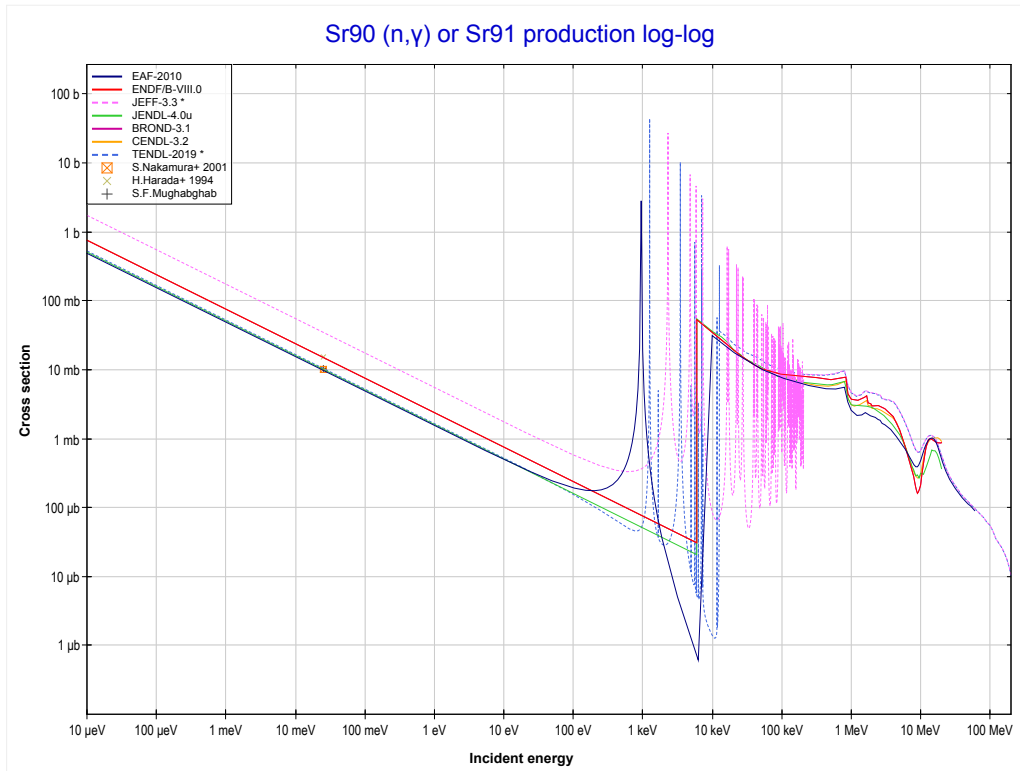
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.51971E-7 b | 0.0017132 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30164E-6 b | 0.00377416 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.40657E-6 b | 0.002048 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.51971E-7 b | 0.0017132 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.51971E-7 b | 0.0017132 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33209E-6 b | 0.00227593 b |

| | | |
|----------------------------------|---|----------------------------------|
| << 38-Sr-88 | 38-Sr-89 | 38-Sr-90 >> |
| << 38-Sr-88 MT107 (n, α) | MT102 (n,γ) or MT5 (Sr90 production) | 38-Sr-90 MT102 (n, γ) >> |



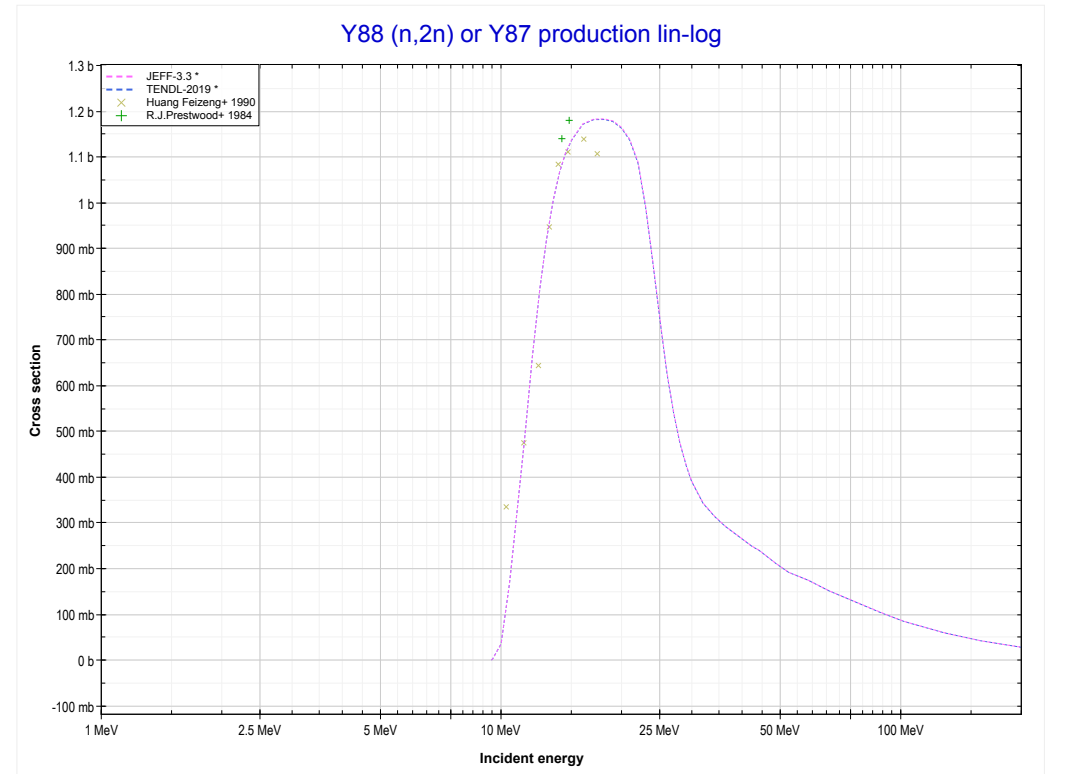
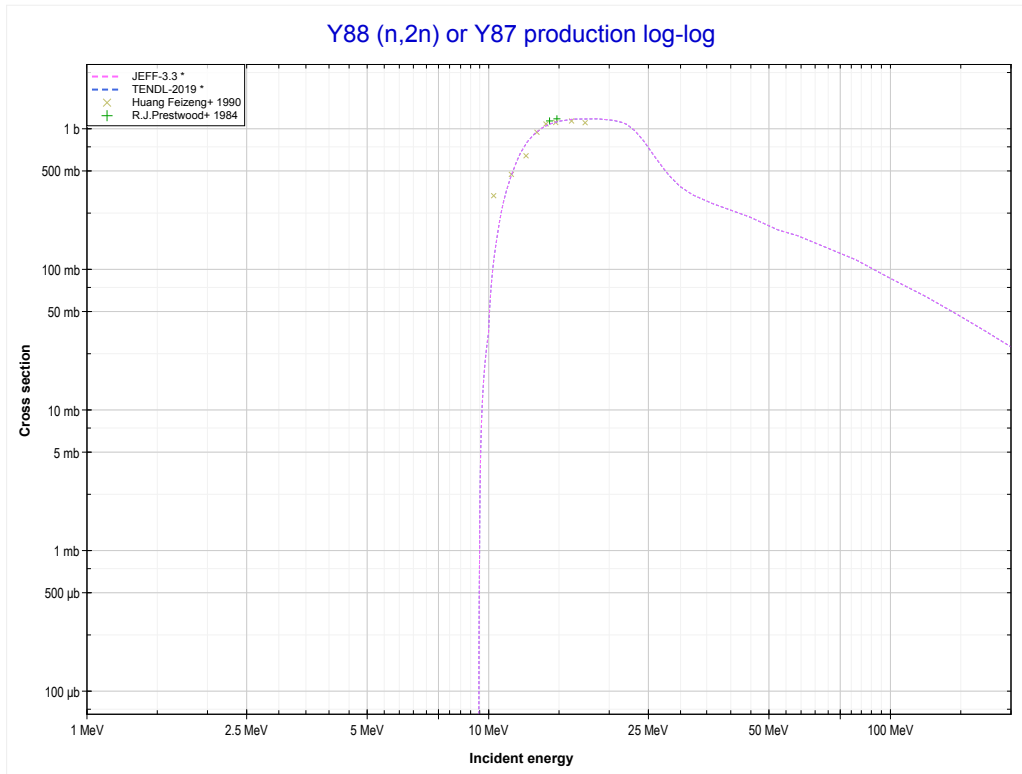
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.420496 b | 0.420181 b | 0.42007 b | 0.99973 | 0.49067 b | 0.00818009 b | 0.00215555 b |
| ENDF/B-VIII.0 | 0.420131 b | 0.420131 b | 0.42029 b | 1.00038 | 0.401149 b | 0.00270449 b | 0.0010006 b |
| JEFF-3.3 | 0.418313 b | 0.418313 b | 0.41844 b | 1.00031 | 1.37227 b | 0.00369732 b | 0.00121529 b |
| JENDL-4.0u | 0.420131 b | 0.420131 b | 0.42029 b | 1.00038 | 0.696812 b | 0.00736049 b | 7.398E-4 b |
| BROND-3.1 | 0.420131 b | 0.420131 b | 0.42029 b | 1.00038 | 0.401149 b | 0.00270449 b | 0.0010006 b |
| CENDL-3.2 | 0.420015 b | 0.420015 b | 0.42004 b | 1.00005 | 0.400438 b | 0.00270442 b | 0.0010006 b |
| TENDL-2019 | 0.417862 b | 0.417862 b | 0.41776 b | 0.99974 | 4.90359 b | 0.00366221 b | 0.00121442 b |

| | | |
|-------------------------|---|------------------------|
| << 38-Sr-89 | 38-Sr-90 | 39-Y-89 >> |
| << 38-Sr-89 MT102 (n,y) | MT102 (n,y) or MT5 (Sr91 production) | 39-Y-88 MT16 (n,2n) >> |



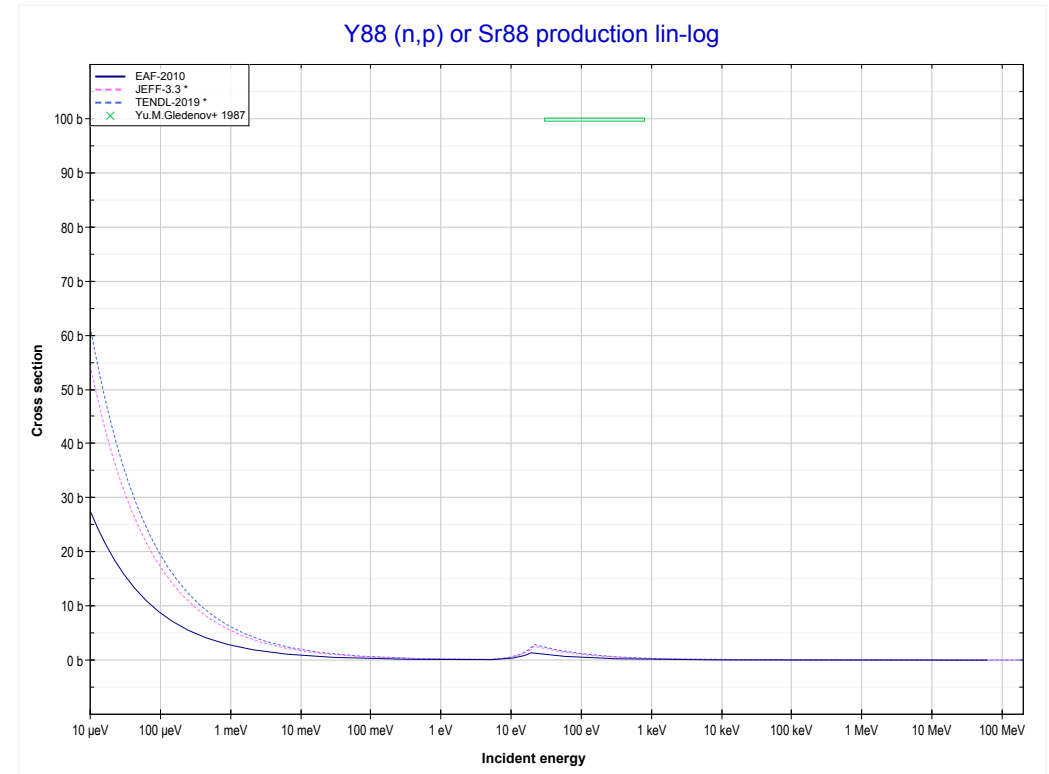
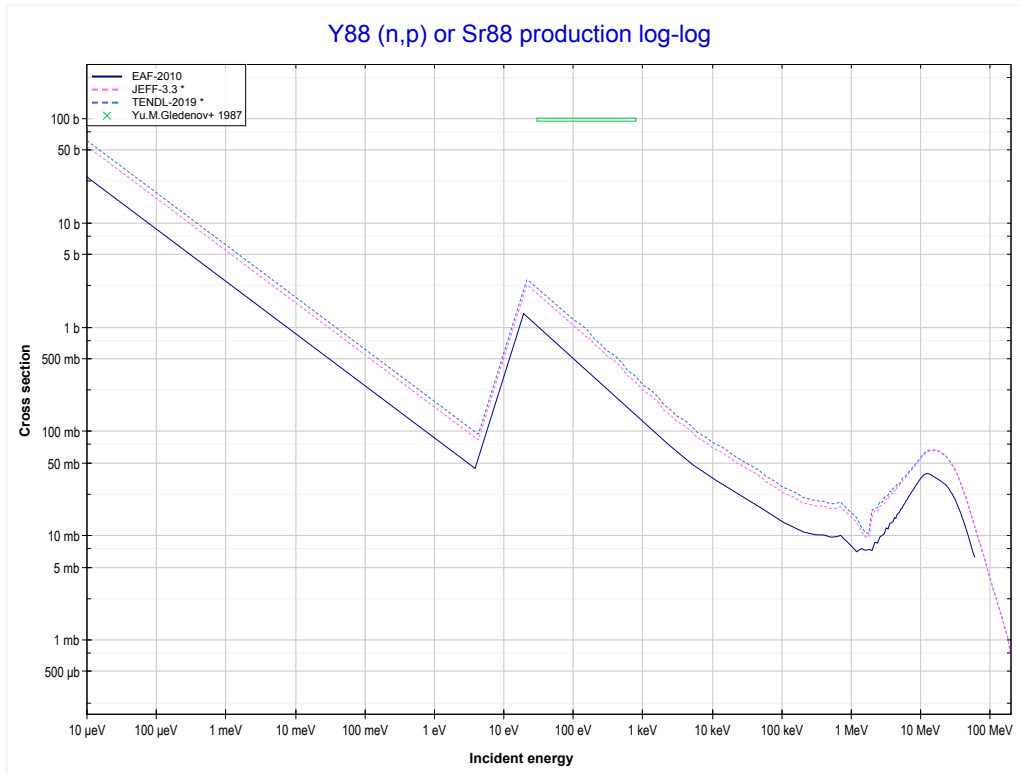
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.00970056 b | 0.00969329 b | 0.0096936 b | 1.00003 | 0.0998003 b | 0.00292438 b | 0.00101521 b |
| ENDF/B-VIII.0 | 0.0150047 b | 0.0150047 b | 0.01501 b | 1.00038 | 0.0667669 b | 0.0042627 b | 0.00100263 b |
| JEFF-3.3 | 0.0345039 b | 0.0345039 b | 0.034517 b | 1.00039 | 0.215964 b | 0.0051677 b | 0.00112307 b |
| JENDL-4.0u | 0.0101031 b | 0.0101031 b | 0.010107 b | 1.00038 | 0.0669547 b | 0.00356386 b | 5.99E-4 b |
| BROND-3.1 | 0.0150047 b | 0.0150047 b | 0.01501 b | 1.00038 | 0.0667669 b | 0.0042627 b | 0.00100263 b |
| CENDL-3.2 | 0.0152968 b | 0.0152968 b | 0.015278 b | 0.99876 | 0.0667805 b | 0.00366526 b | 9.909E-4 b |
| TENDL-2019 | 0.0105057 b | 0.0105057 b | 0.010506 b | 1.00005 | 0.141948 b | 0.00534633 b | 0.00112194 b |

| | | |
|----------------------------------|--|----------------|
| << 38-Sr-88 | 39-Y-88 | 39-Y-89 >> |
| << 38-Sr-90 MT102 (n, γ) | MT16 (n,2n) or MT5 (Y87 production) | MT103 (n,p) >> |



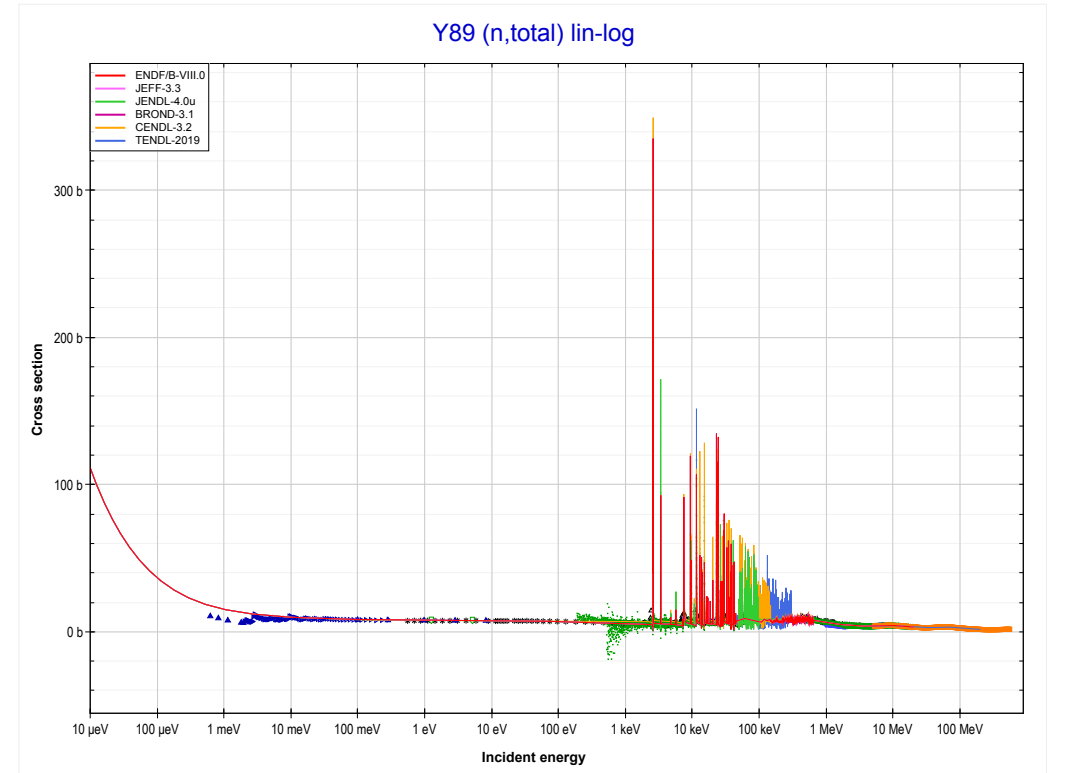
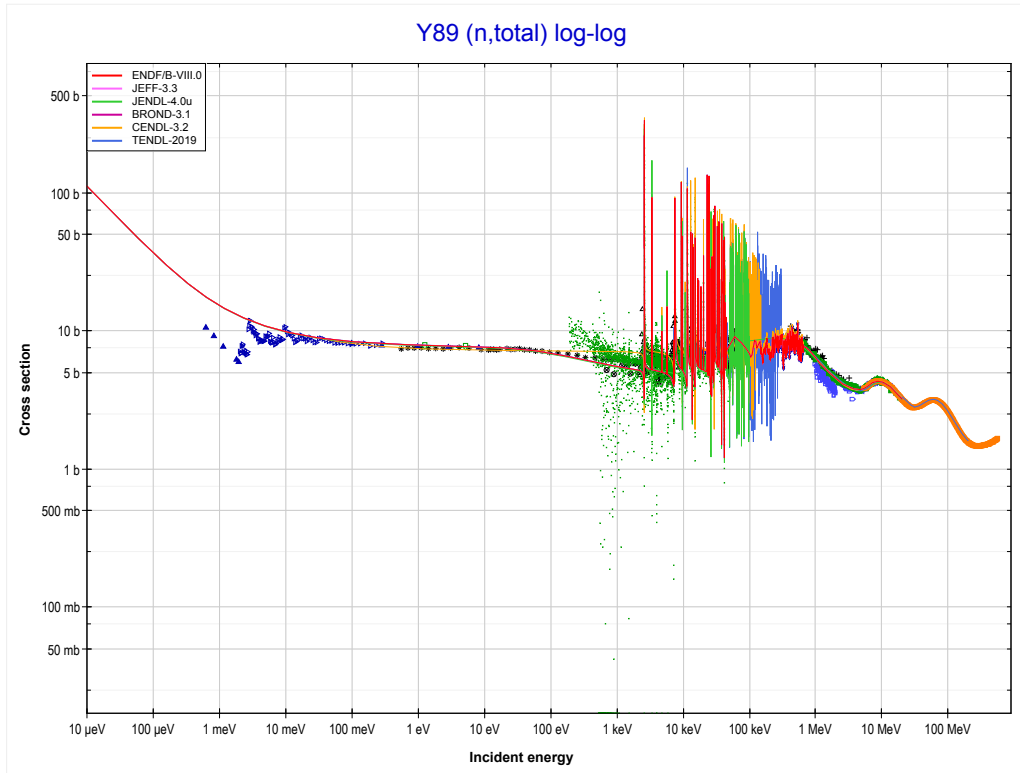
| Reaction | Q-Value |
|--------------|--------------|
| Y88(n,2n)Y87 | -9351.92 keV |

| | | |
|----------------|---|--------------------------|
| << 38-Sr-88 | 39-Y-88 | 39-Y-89 >> |
| << MT16 (n,2n) | MT103 (n,p) or MT5 (Sr88 production) | 39-Y-89 MT1 (n,total) >> |



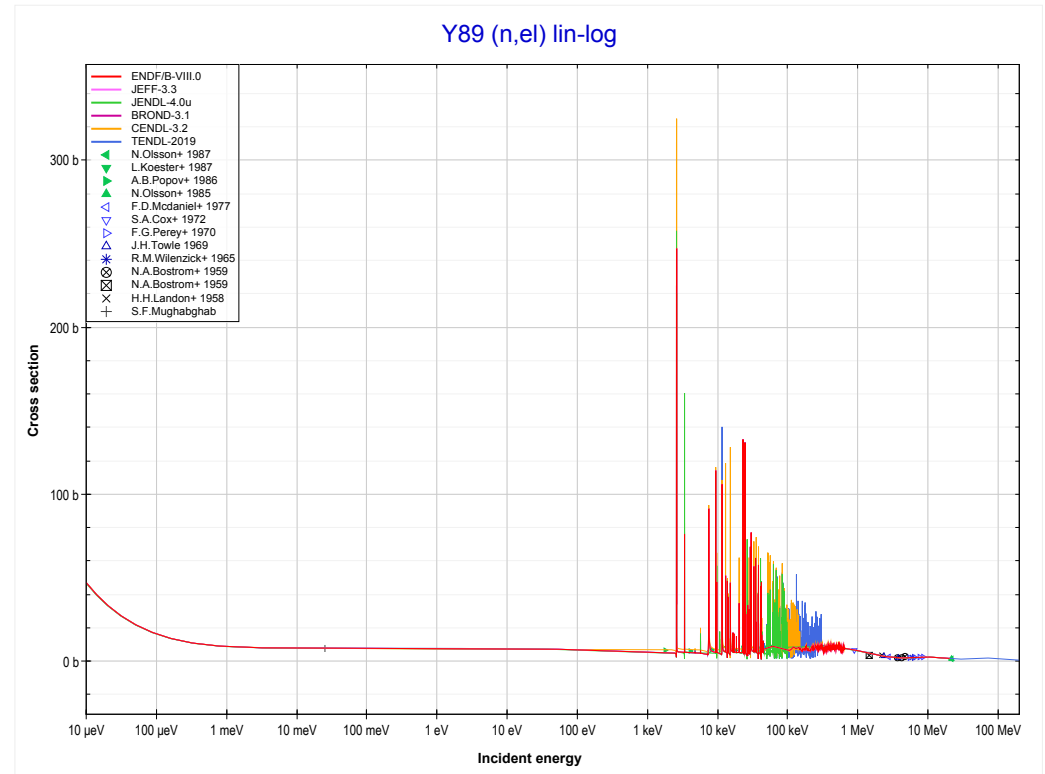
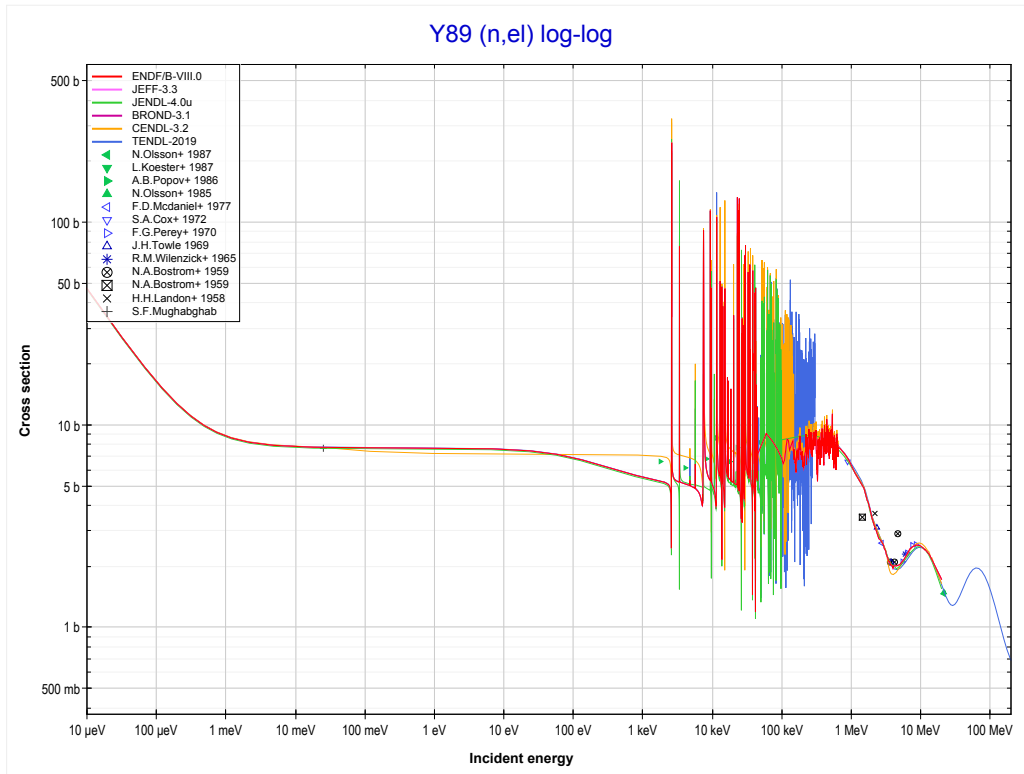
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.547678 b | 0.547267 b | 0.54729 b | 1.00004 | 3.0244 b | 0.0104367 b | 0.0386104 b |
| JEFF-3.3 | 1.08269 b | 1.08269 b | 1.0826 b | 0.99988 | 5.83003 b | 0.0190152 b | 0.0652967 b |
| TENDL-2019 | 1.22595 b | 1.22595 b | 1.2251 b | 0.99934 | 6.58179 b | 0.0207907 b | 0.0664606 b |

| | | |
|------------------------|----------------------|--------------------|
| << 38-Sr-88 | 39-Y-89 | 40-Zr-90 >> |
| << 39-Y-88 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



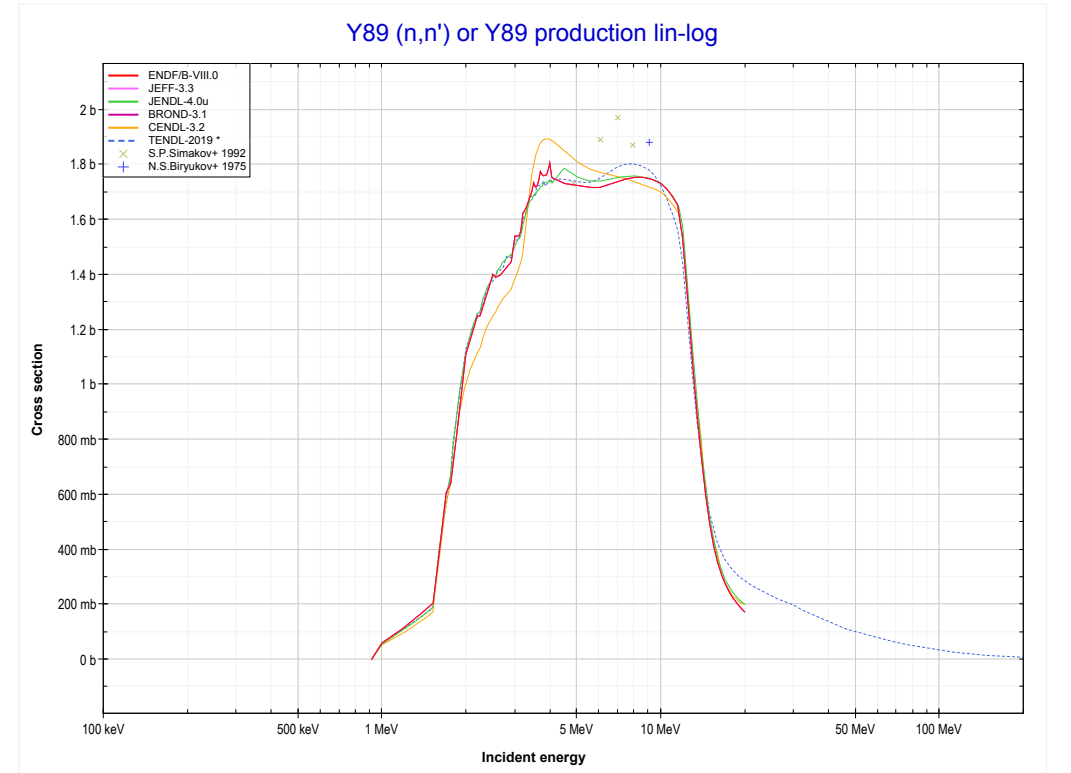
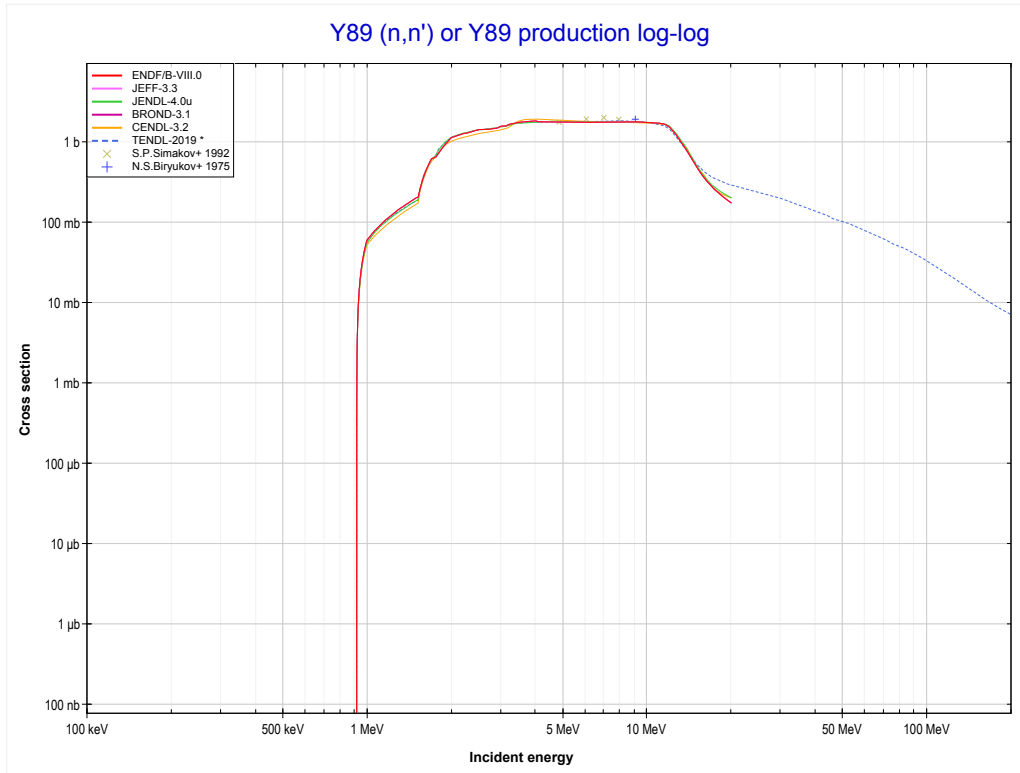
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.0105 b | 9.0105 b | 10.003 b | 1.11015 | 86.1246 b | 5.50032 b | 3.85796 b |
| JEFF-3.3 | 9.0105 b | 9.0105 b | 10.003 b | 1.11015 | 86.1246 b | 5.50032 b | 3.85796 b |
| JENDL-4.0u | 8.93846 b | 8.93846 b | 9.9211 b | 1.10993 | 83.9434 b | 5.56964 b | 3.857 b |
| BROND-3.1 | 9.0105 b | 9.0105 b | 10.003 b | 1.11015 | 86.1246 b | 5.50032 b | 3.85796 b |
| CENDL-3.2 | 9.02889 b | 9.02889 b | 9.8823 b | 1.09452 | 95.0066 b | 5.62135 b | 3.9271 b |
| TENDL-2019 | 9.02203 b | 9.02203 b | 10.017 b | 1.11024 | 86.3927 b | 5.75725 b | 3.92048 b |

| | | |
|------------------|------------------------|---------------|
| << 38-Sr-84 | 39-Y-89 | 40-Zr-90 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



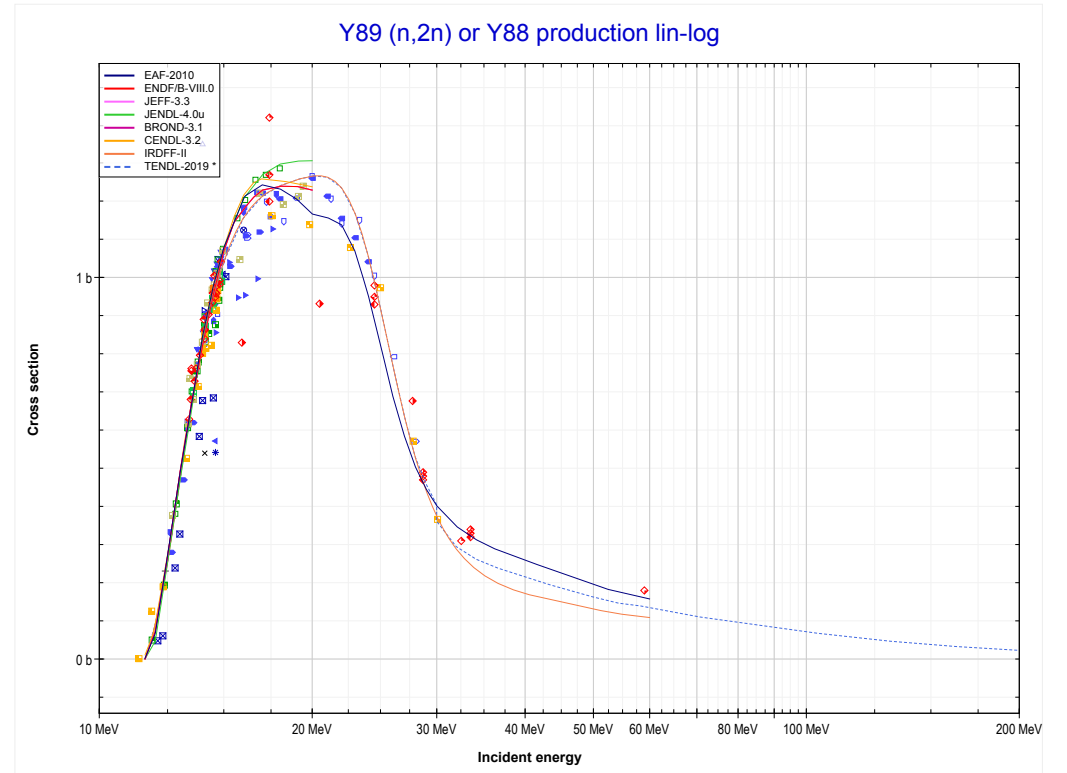
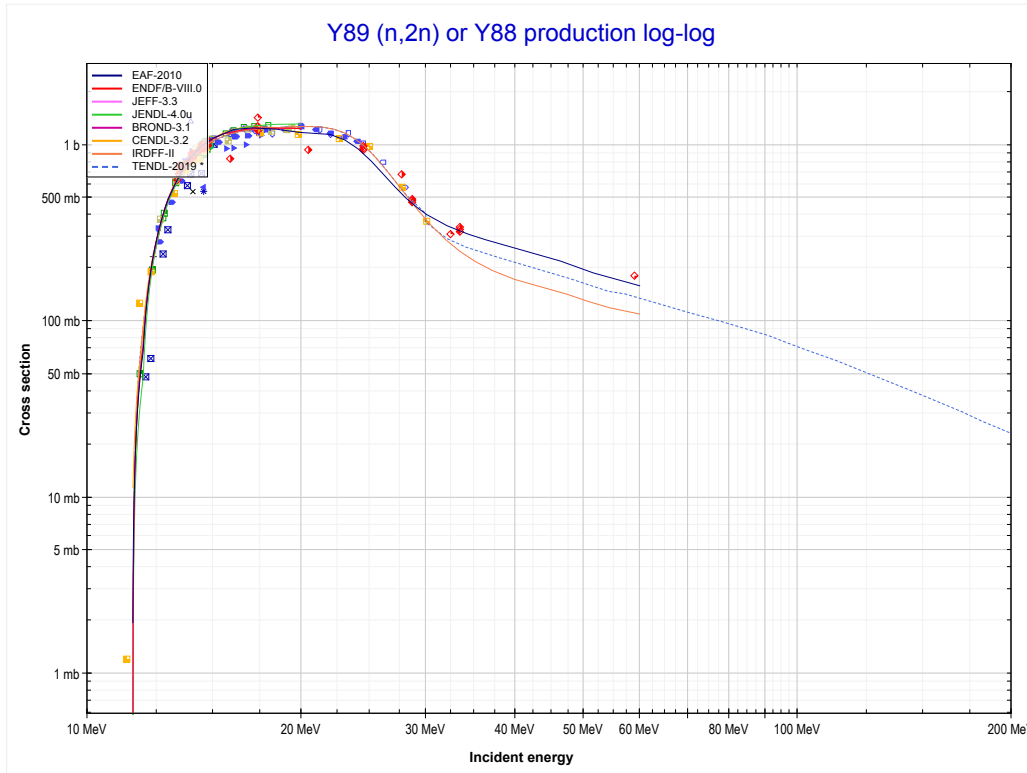
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.73185 b | 7.73185 b | 8.724 b | 1.12832 | 85.2849 b | 4.78283 b | 2.2123 b |
| JEFF-3.3 | 7.73185 b | 7.73185 b | 8.724 b | 1.12832 | 85.2849 b | 4.78283 b | 2.2123 b |
| JENDL-4.0u | 7.6546 b | 7.6546 b | 8.6369 b | 1.12832 | 83.1048 b | 4.84832 b | 2.17738 b |
| BROND-3.1 | 7.73185 b | 7.73185 b | 8.724 b | 1.12832 | 85.2849 b | 4.78283 b | 2.2123 b |
| CENDL-3.2 | 7.74704 b | 7.74704 b | 8.6002 b | 1.11013 | 94.2903 b | 4.91952 b | 2.19968 b |
| TENDL-2019 | 7.74718 b | 7.74718 b | 8.7418 b | 1.12839 | 85.5833 b | 5.03706 b | 2.21841 b |

| | | |
|--------------------|---|----------------|
| << 38-Sr-87 | 39-Y-89 | 40-Zr-90 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Y89 production) | MT16 (n,2n) >> |



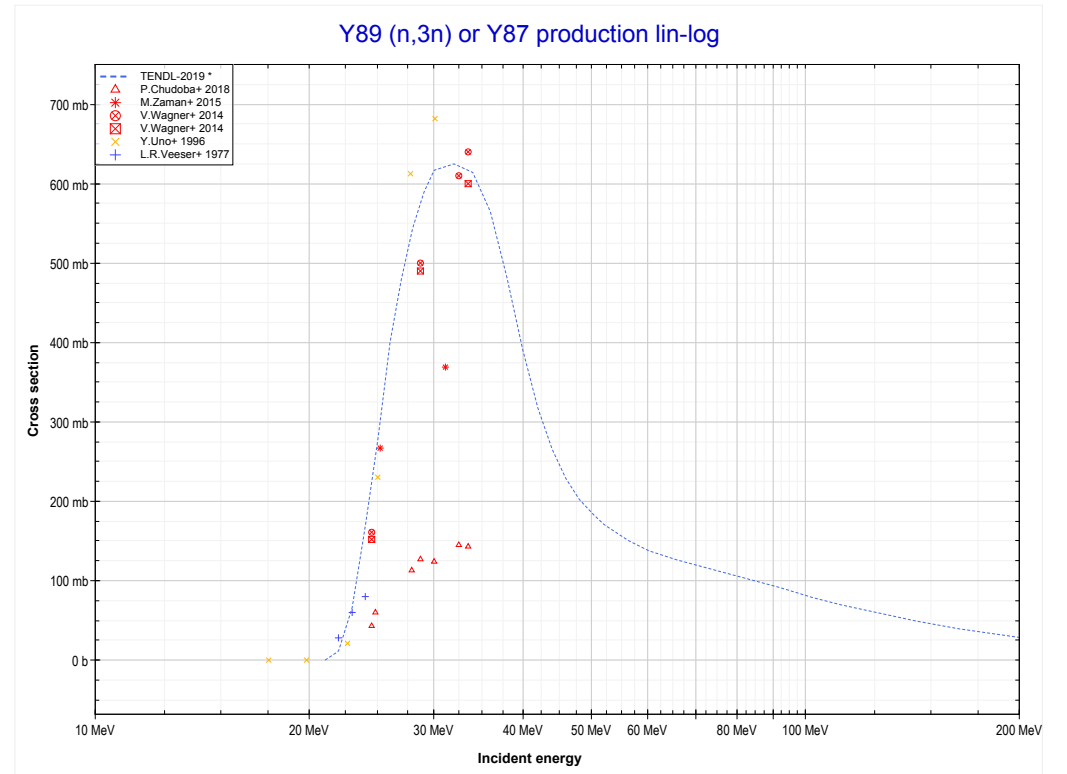
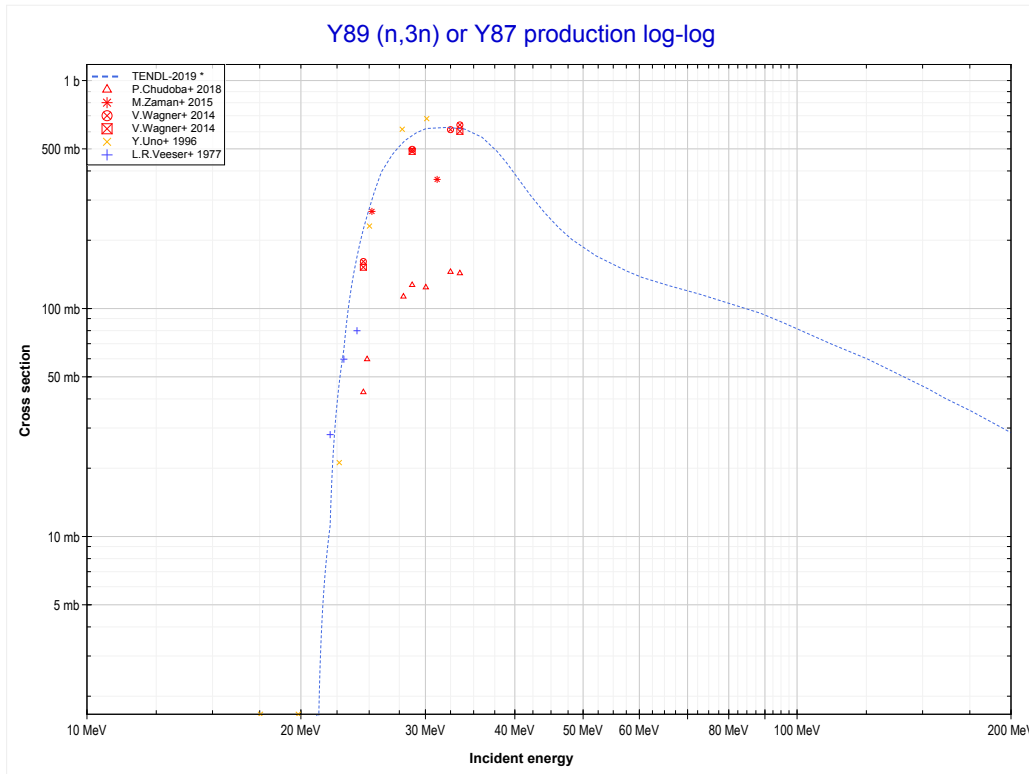
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.711596 b | 0.734 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.711596 b | 0.734 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.715794 b | 0.760579 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.711596 b | 0.734 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.694509 b | 0.79464 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.715032 b | 0.732538 b |

| | | |
|---------------|--|----------------|
| << 39-Y-88 | 39-Y-89 | 40-Zr-88 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Y88 production) | MT17 (n,3n) >> |



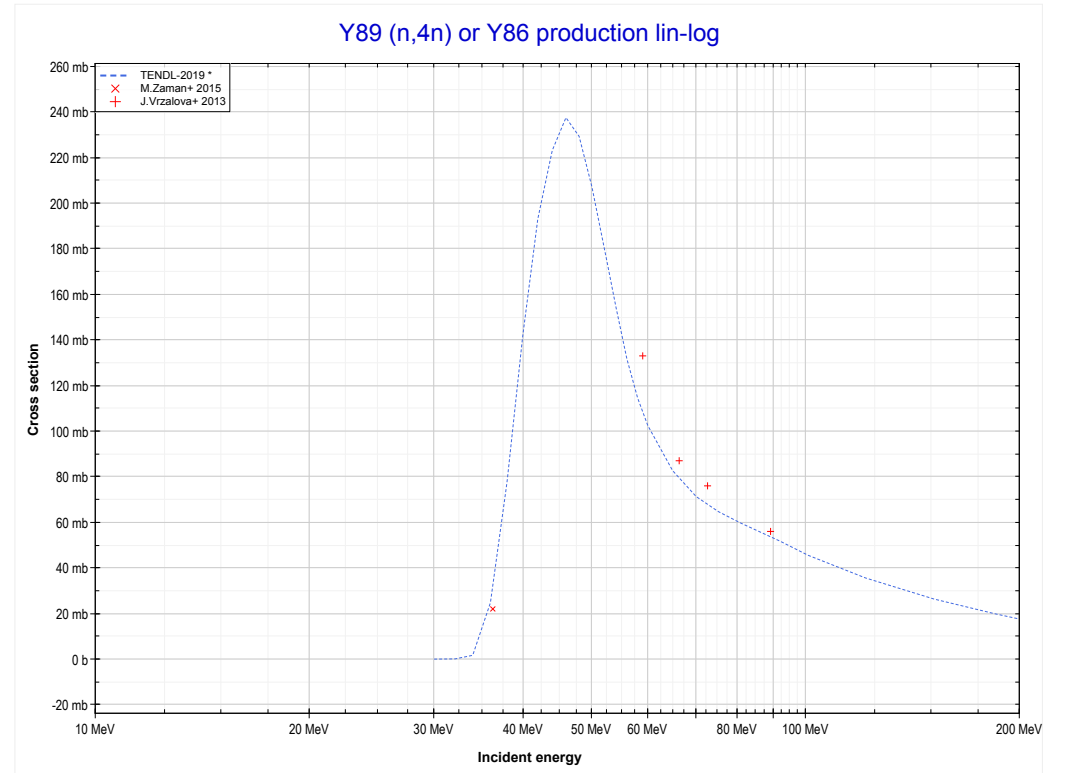
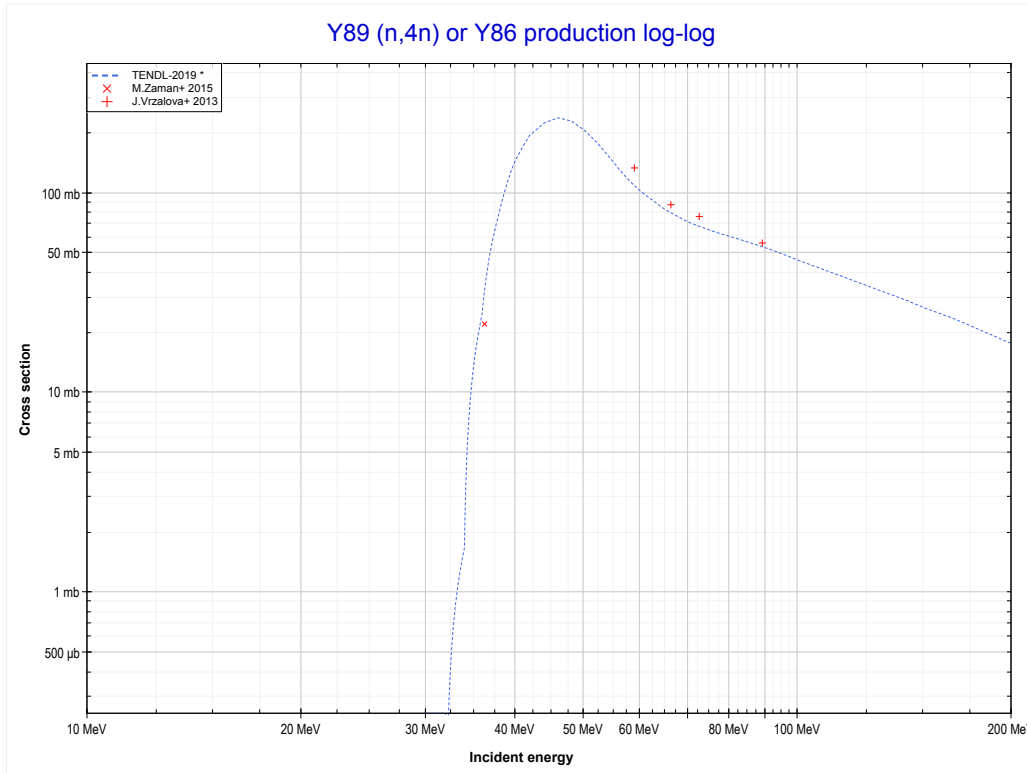
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71302E-4 b | 0.847515 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70067E-4 b | 0.82353 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70067E-4 b | 0.82353 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.62975E-4 b | 0.8345 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70067E-4 b | 0.82353 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.7637E-4 b | 0.85017 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 2.67327E-4 b | 0.830097 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.67731E-4 b | 0.83089 b |

| | | |
|----------------|--|----------------|
| << 30-Zn-64 | 39-Y-89 | 40-Zr-90 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Y87 production) | MT37 (n,4n) >> |



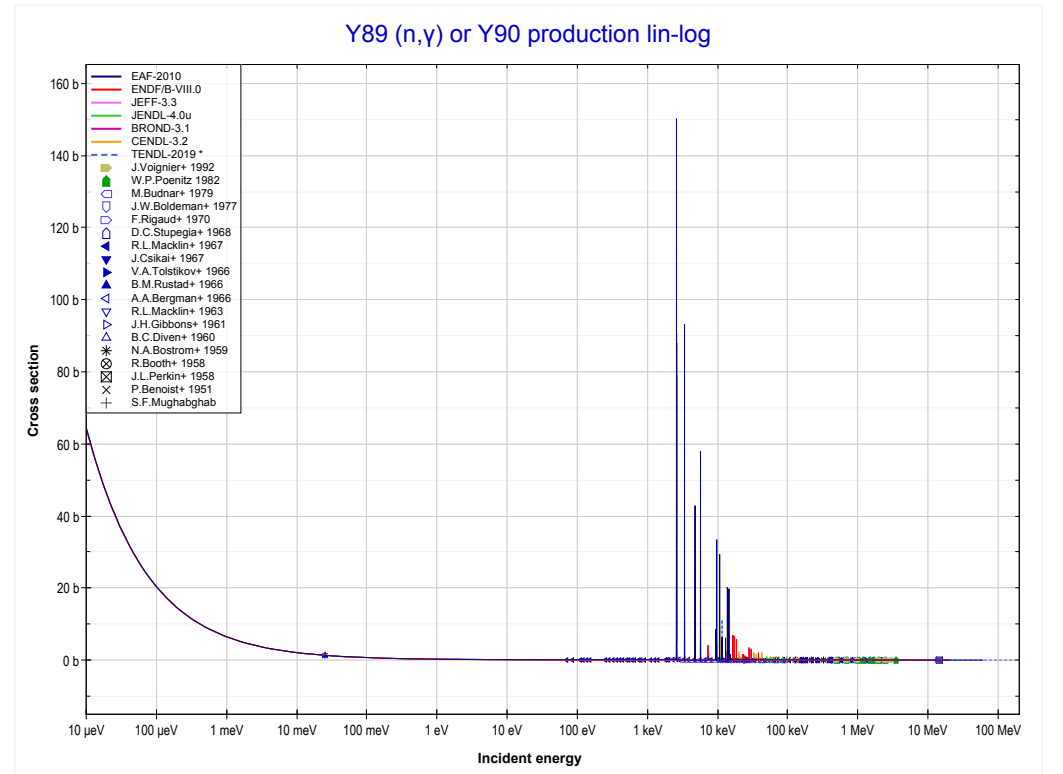
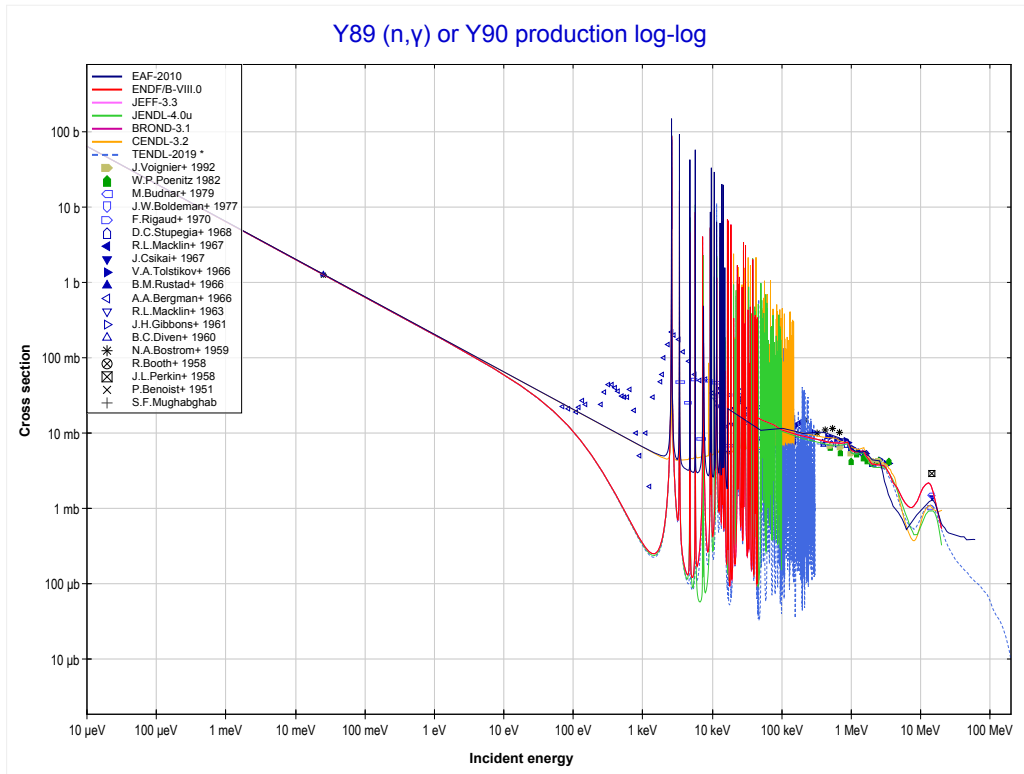
| | |
|--------------|---------------|
| Reaction | Q-Value |
| Y89(n,3n)Y87 | -20832.63 keV |

| | | |
|----------------|--|-------------------------|
| << 27-Co-59 | 39-Y-89 | 41-Nb-93 >> |
| << MT17 (n,3n) | MT37 (n,4n) or MT5 (Y86 production) | MT102 (n, γ) >> |



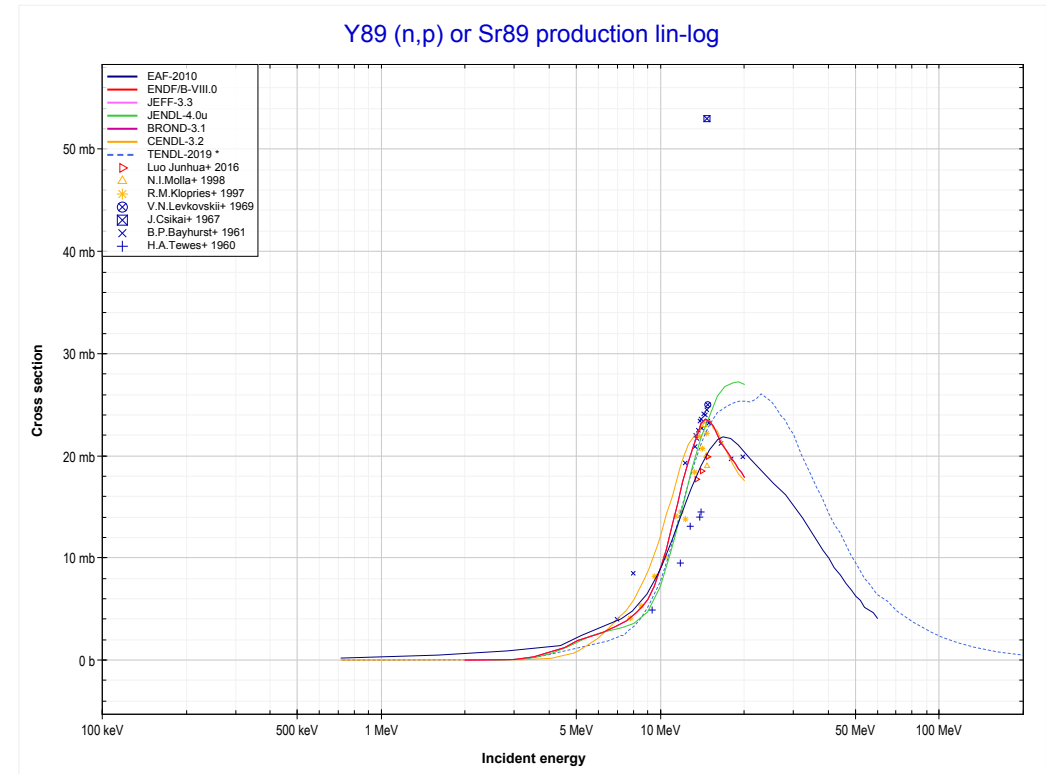
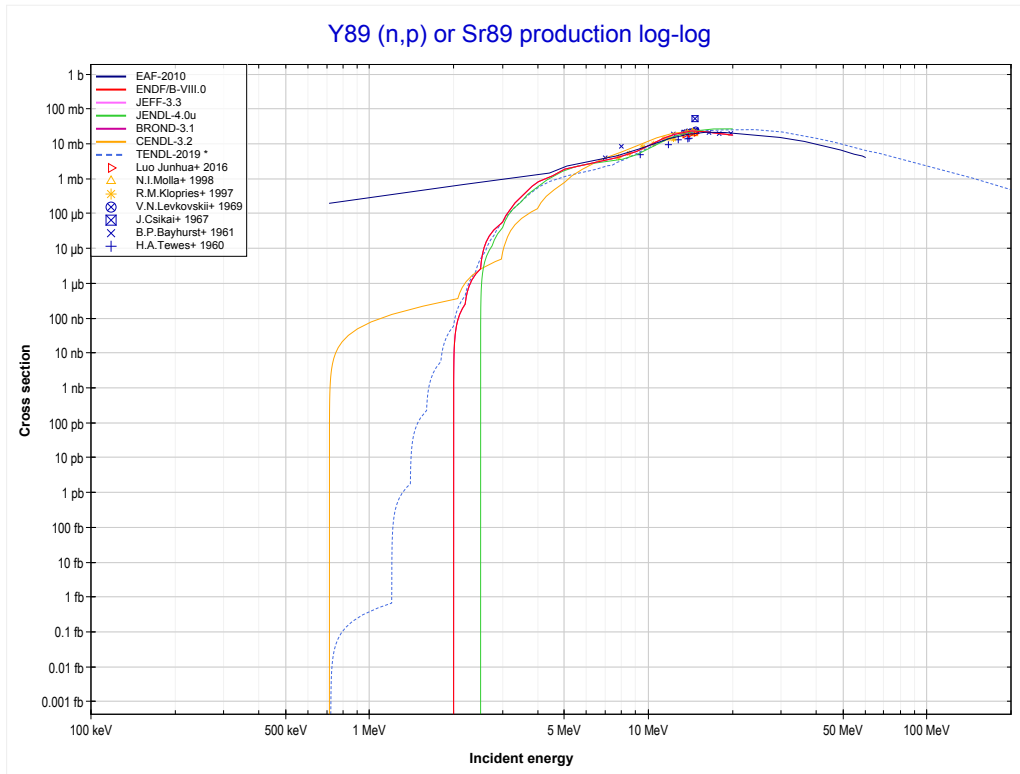
| | |
|--------------|---------------|
| Reaction | Q-Value |
| Y89(n,4n)Y86 | -32639.35 keV |

| | | |
|----------------|--|----------------|
| << 38-Sr-90 | 39-Y-89 | 39-Y-90 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Y90 production) | MT103 (n,p) >> |



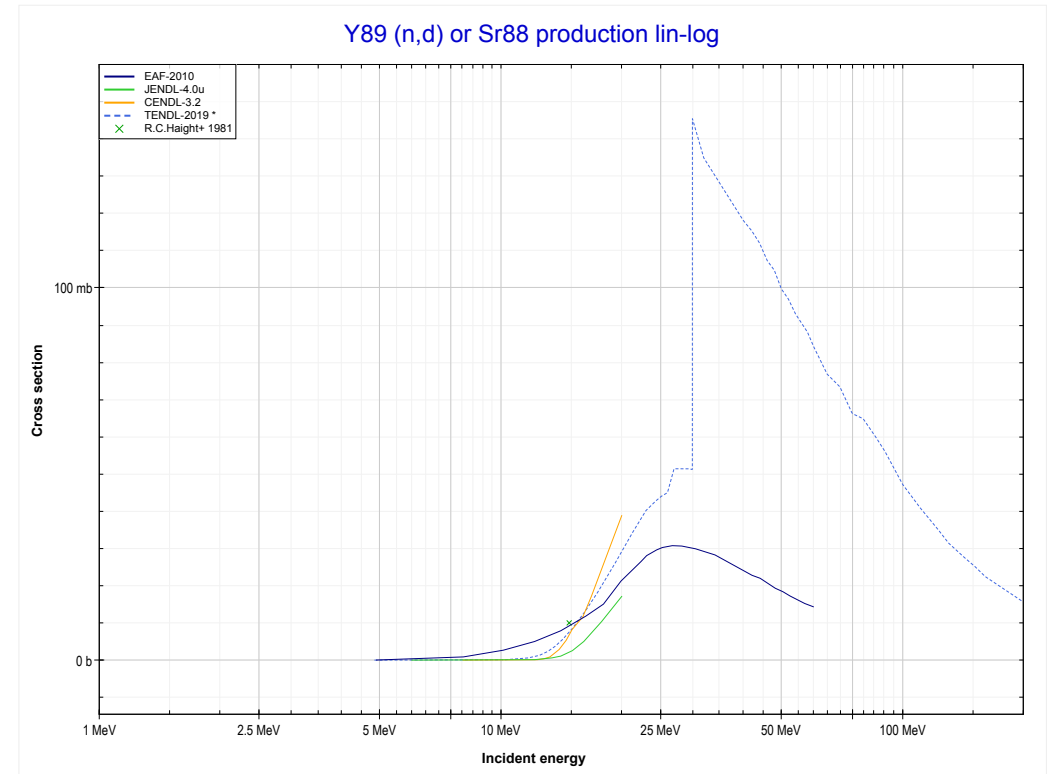
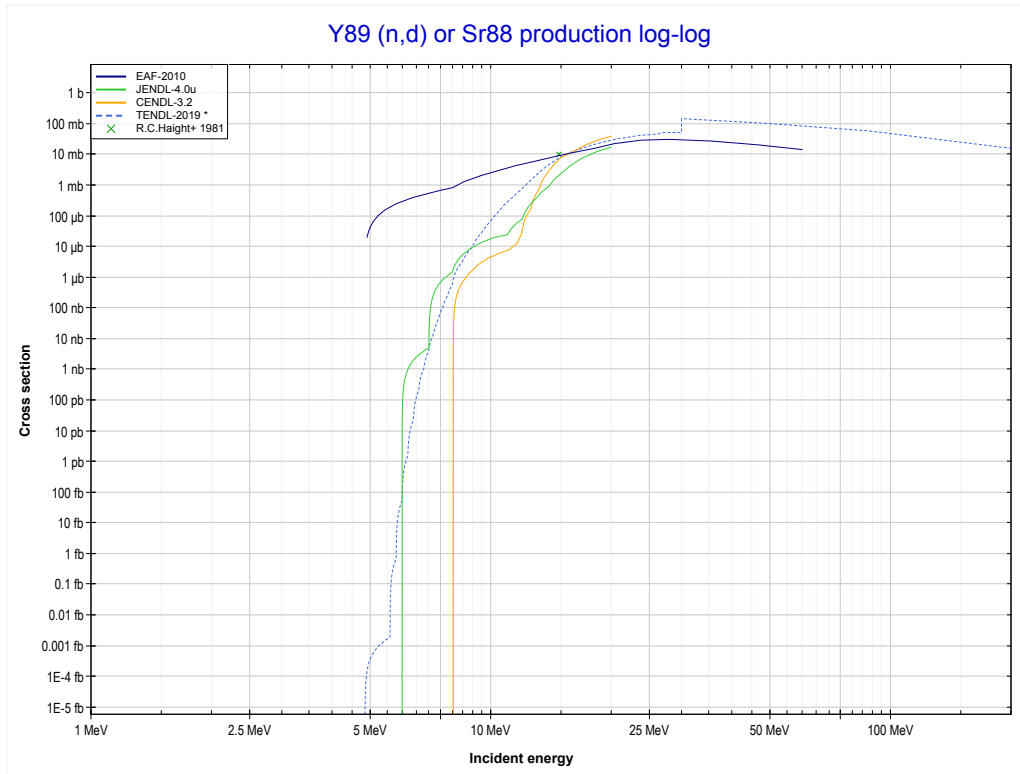
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.28 b | 1.27924 b | 1.2861 b | 1.00551 | 0.920884 b | 0.00553694 b | 0.00125739 b |
| ENDF/B-VIII.0 | 1.27864 b | 1.27864 b | 1.279 b | 1.00028 | 0.839776 b | 0.00524894 b | 0.00204742 b |
| JEFF-3.3 | 1.27864 b | 1.27864 b | 1.279 b | 1.00028 | 0.839776 b | 0.00524894 b | 0.00204742 b |
| JENDL-4.0u | 1.28387 b | 1.28387 b | 1.2842 b | 1.00028 | 0.838547 b | 0.00491954 b | 9.177E-4 b |
| BROND-3.1 | 1.27864 b | 1.27864 b | 1.279 b | 1.00028 | 0.839776 b | 0.00524894 b | 0.00204742 b |
| CENDL-3.2 | 1.28186 b | 1.28186 b | 1.2819 b | 1.00003 | 0.718602 b | 0.00571788 b | 0.0010579 b |
| TENDL-2019 | 1.27484 b | 1.27484 b | 1.2748 b | 0.99995 | 0.802811 b | 0.00435702 b | 0.00111218 b |

| | | |
|-------------------------|---|----------------|
| << 39-Y-88 | 39-Y-89 | 40-Zr-90 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sr89 production) | MT104 (n,d) >> |



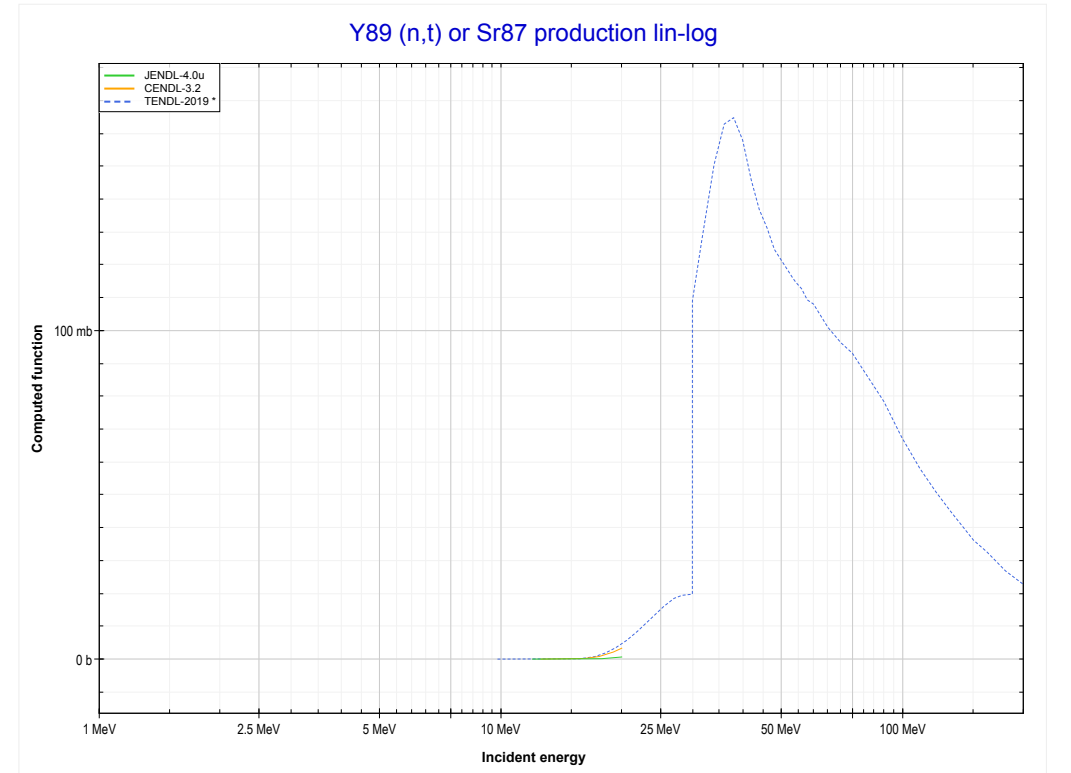
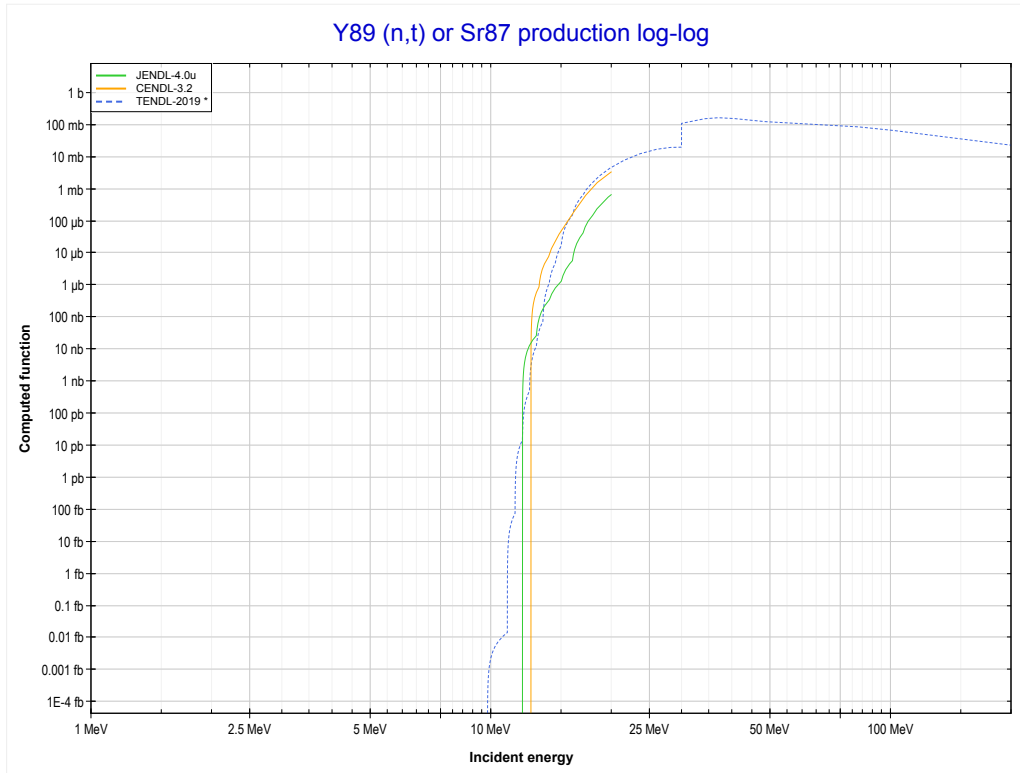
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.29483E-4 b | 0.019022 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.99423E-4 b | 0.0231694 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.99423E-4 b | 0.0231694 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.68039E-4 b | 0.0218 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.99423E-4 b | 0.0231694 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.32571E-4 b | 0.023075 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.14041E-4 b | 0.021162 b |

| | | |
|----------------|---|----------------|
| << 38-Sr-87 | 39-Y-89 | 40-Zr-90 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sr88 production) | MT105 (n,t) >> |



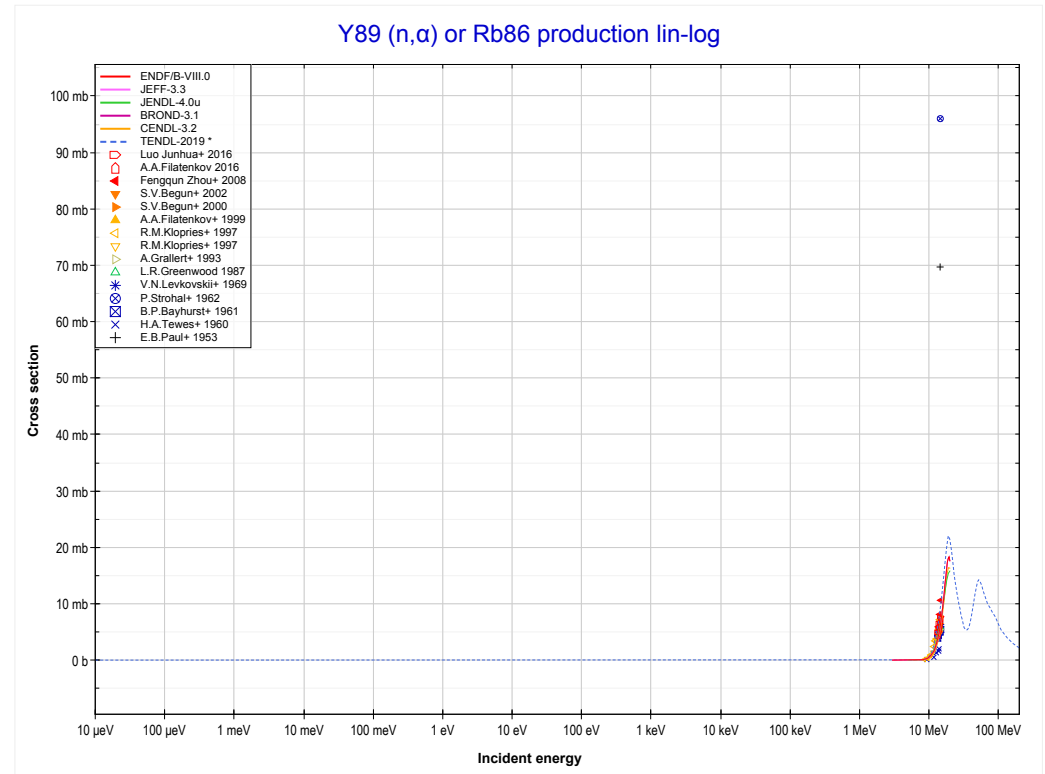
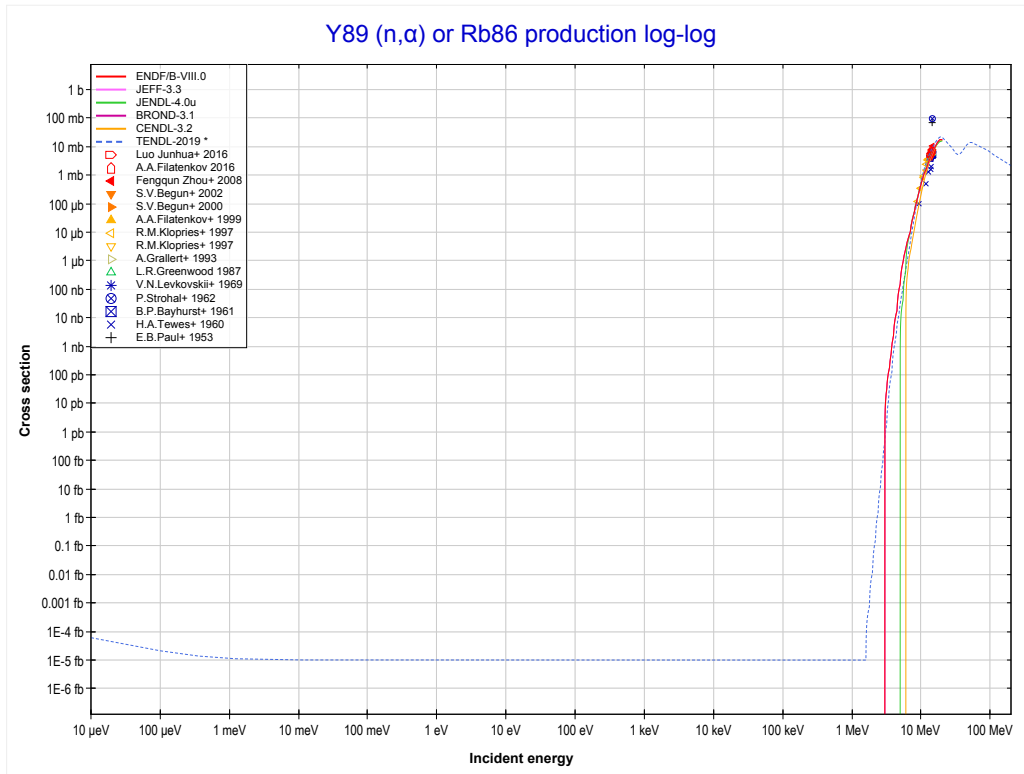
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.23666E-5 b | 0.0077 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.44345E-7 b | 9.327E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36165E-6 b | 0.0029797 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30229E-6 b | 0.00470965 b |

| | | |
|----------------|---|-------------------------|
| << 38-Sr-88 | 39-Y-89 | 40-Zr-90 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Sr87 production) | MT107 (n, α) >> |



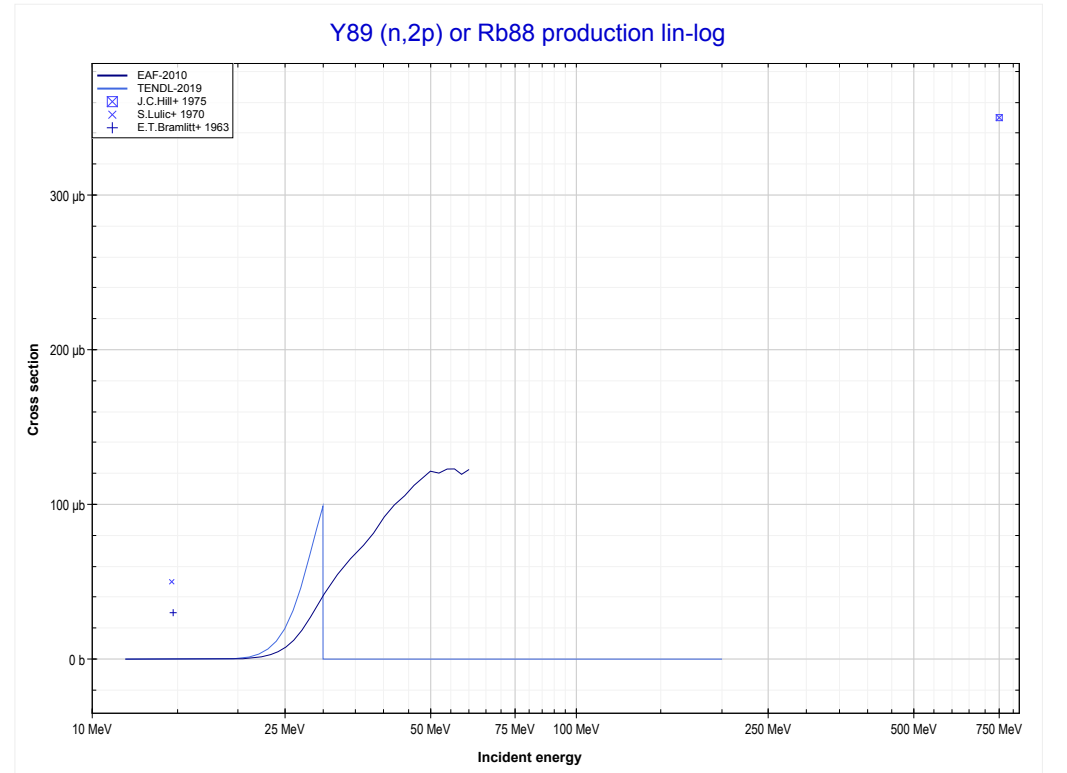
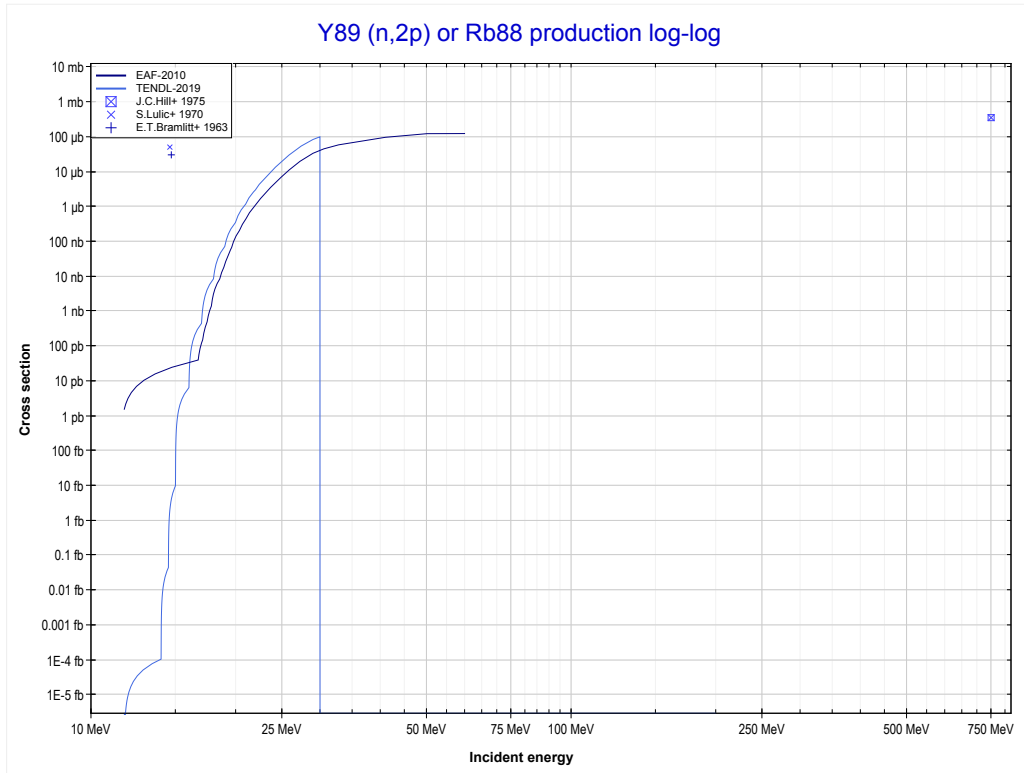
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.77552E-9 b | 3.323E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.37165E-8 b | 8.5301E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.94653E-8 b | 1.1211E-6 b |

| | | |
|----------------|---|-----------------|
| << 38-Sr-88 | 39-Y-89 | 40-Zr-90 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Rb86 production) | MT111 (n,2p) >> |



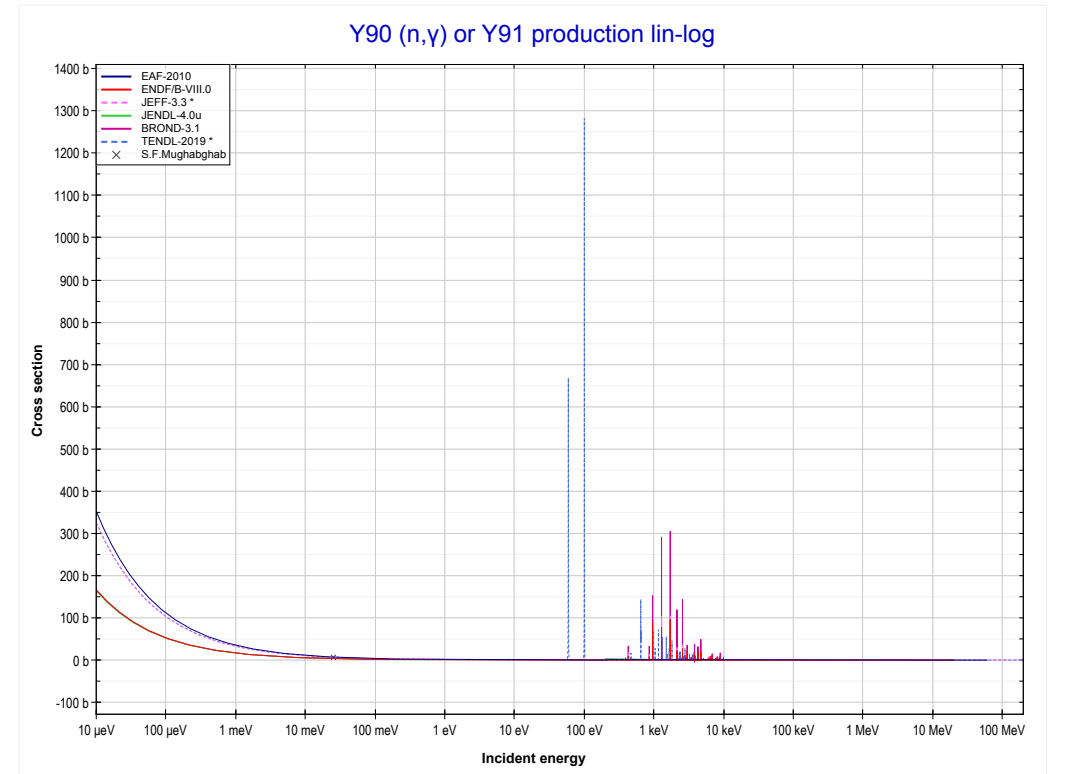
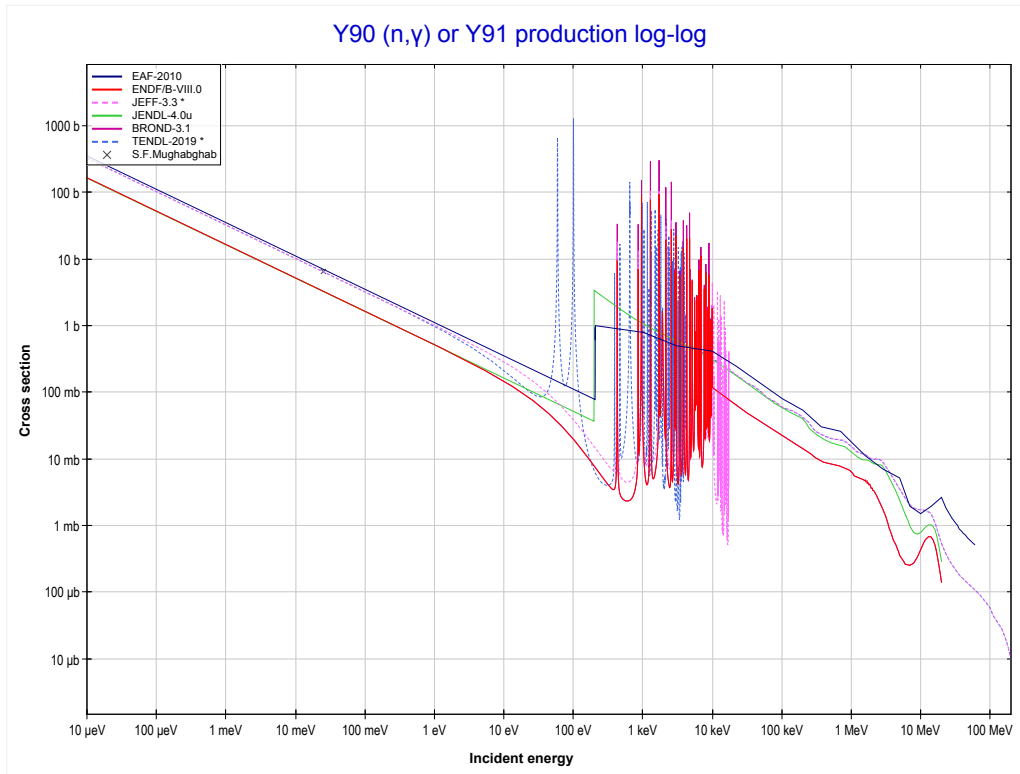
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69064E-6 b | 0.00481827 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69064E-6 b | 0.00481827 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.96819E-6 b | 0.005313 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69064E-6 b | 0.00481827 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.8794E-6 b | 0.004149 b |
| TENDL-2019 | 1.0057E-20 b | 1.0057E-20 b | 1.1349E-20 b | 1.12843 | 1.22085E-19 b | 6.15708E-6 b | 0.00749987 b |

| | | |
|-------------------------|--|---------------------------------|
| << 37-Rb-87 | 39-Y-89 | 41-Nb-93 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Rb88 production) | 39-Y-90 MT102 (n, γ) >> |



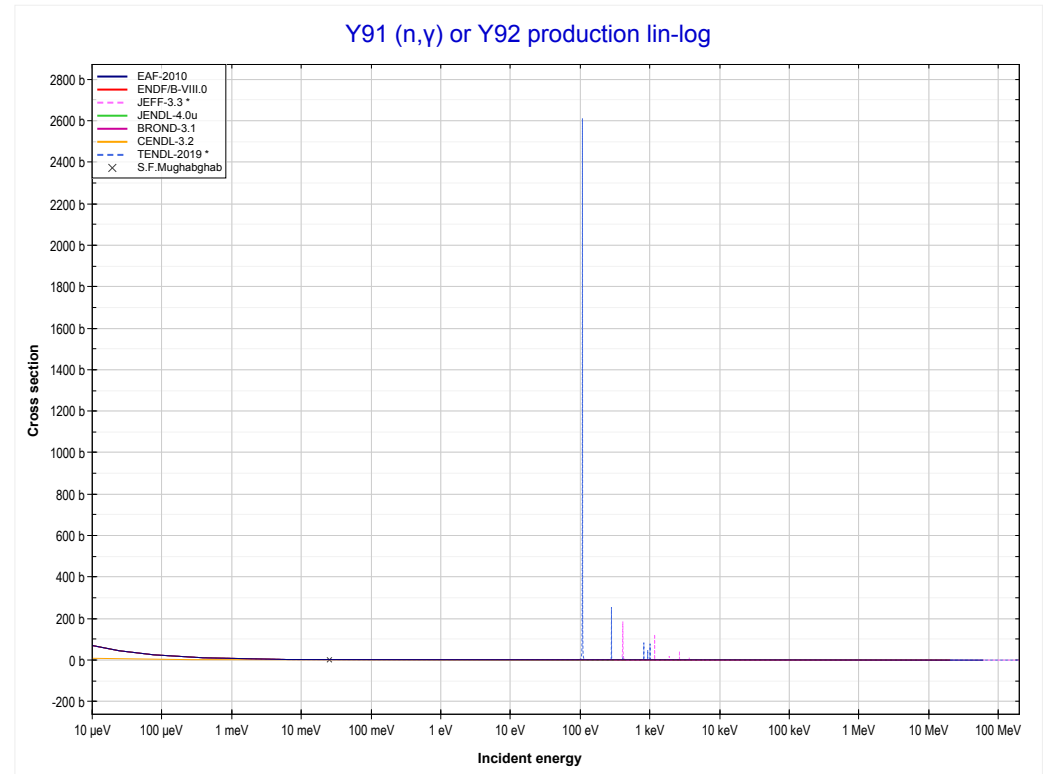
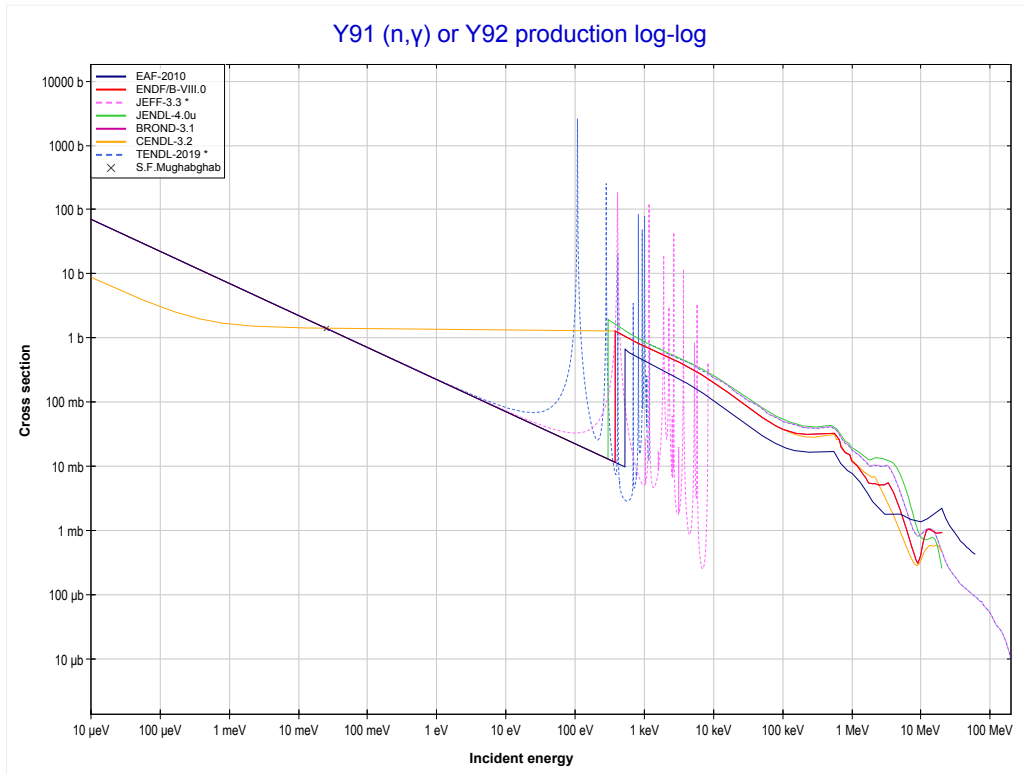
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.8855E-13 b | 1.0348E-19 b |

| | | |
|-------------------------|--|---------------------------------|
| << 39-Y-89 | 39-Y-90 | 39-Y-91 >> |
| << 39-Y-89 MT111 (n,2p) | MT102 (n,γ) or MT5 (Y91 production) | 39-Y-91 MT102 (n, γ) >> |



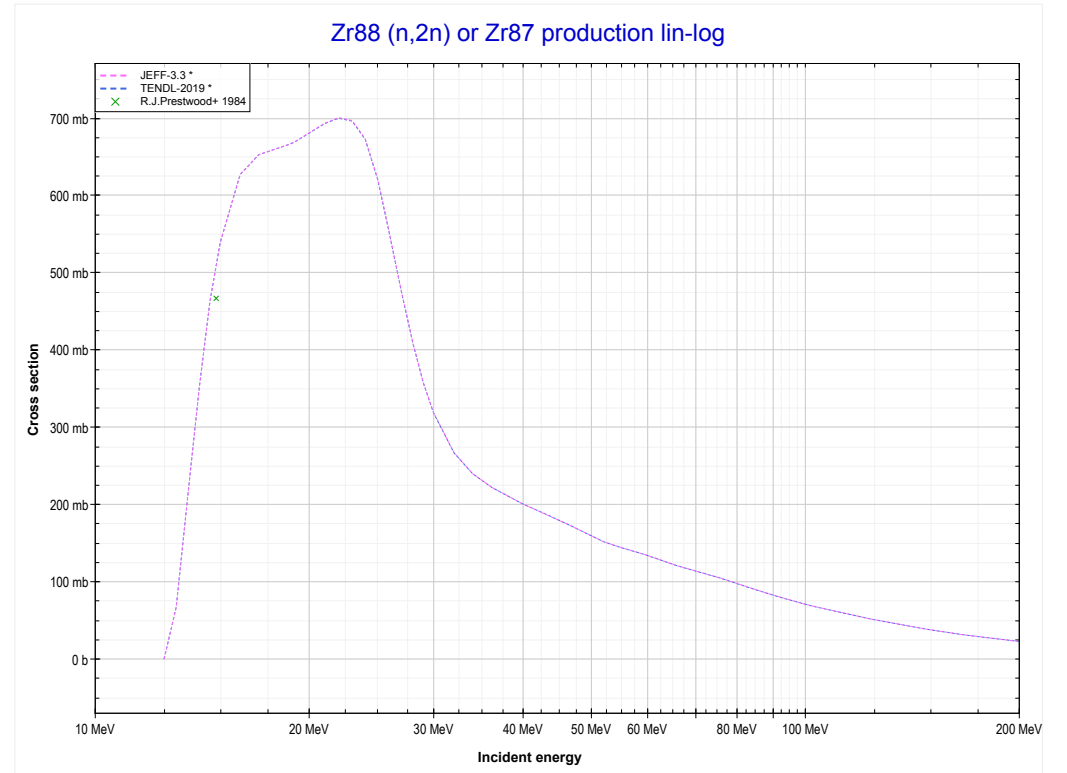
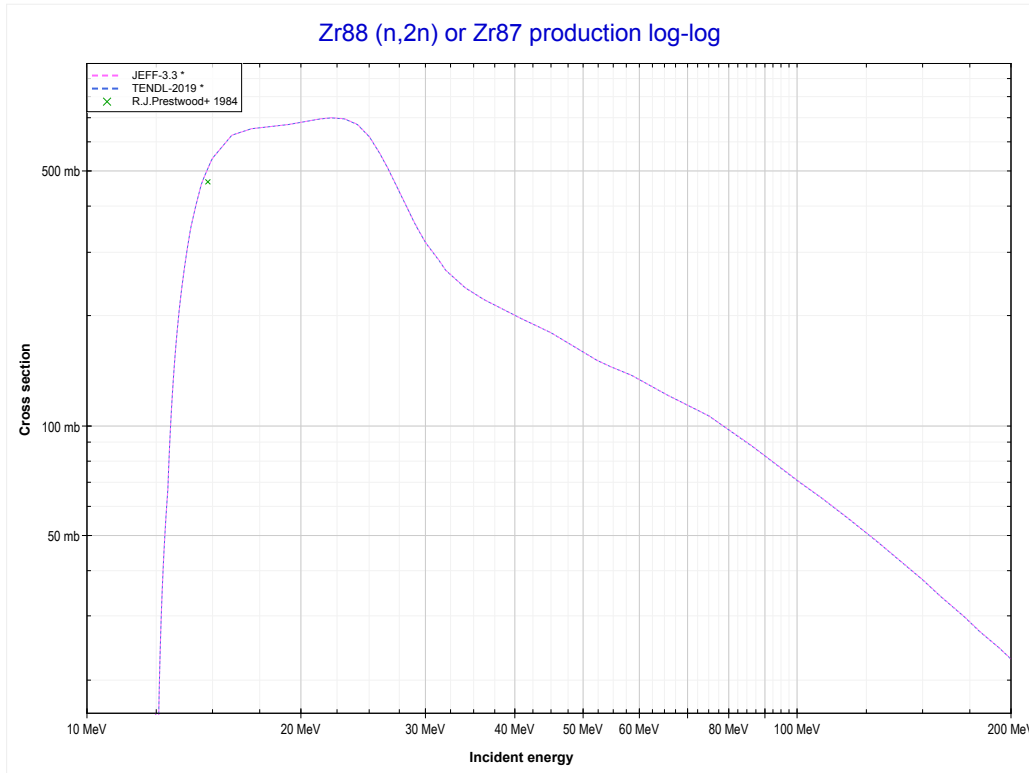
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.00921 b | 7.00397 b | 7.0019 b | 0.99971 | 6.14124 b | 0.0176478 b | 0.00191719 b |
| ENDF/B-VIII.0 | 3.30024 b | 3.30024 b | 3.3012 b | 1.00028 | 2.58108 b | 0.00541845 b | 6.78346E-4 b |
| JEFF-3.3 | 6.46448 b | 6.46448 b | 6.4658 b | 1.0002 | 4.15611 b | 0.0149439 b | 0.0014799 b |
| JENDL-4.0u | 3.25101 b | 3.25101 b | 3.2522 b | 1.00038 | 6.33572 b | 0.0129936 b | 0.001026 b |
| BROND-3.1 | 3.30024 b | 3.30024 b | 3.3012 b | 1.00028 | 2.58134 b | 0.00541856 b | 6.78346E-4 b |
| TENDL-2019 | 6.47251 b | 6.47251 b | 6.4686 b | 0.9994 | 23.455 b | 0.0149836 b | 0.00147535 b |

| | | |
|---------------------------------|--|-------------------------|
| << 39-Y-90 | 39-Y-91 | 40-Zr-90 >> |
| << 39-Y-90 MT102 (n, γ) | MT102 (n,γ) or MT5 (Y92 production) | 40-Zr-88 MT16 (n,2n) >> |



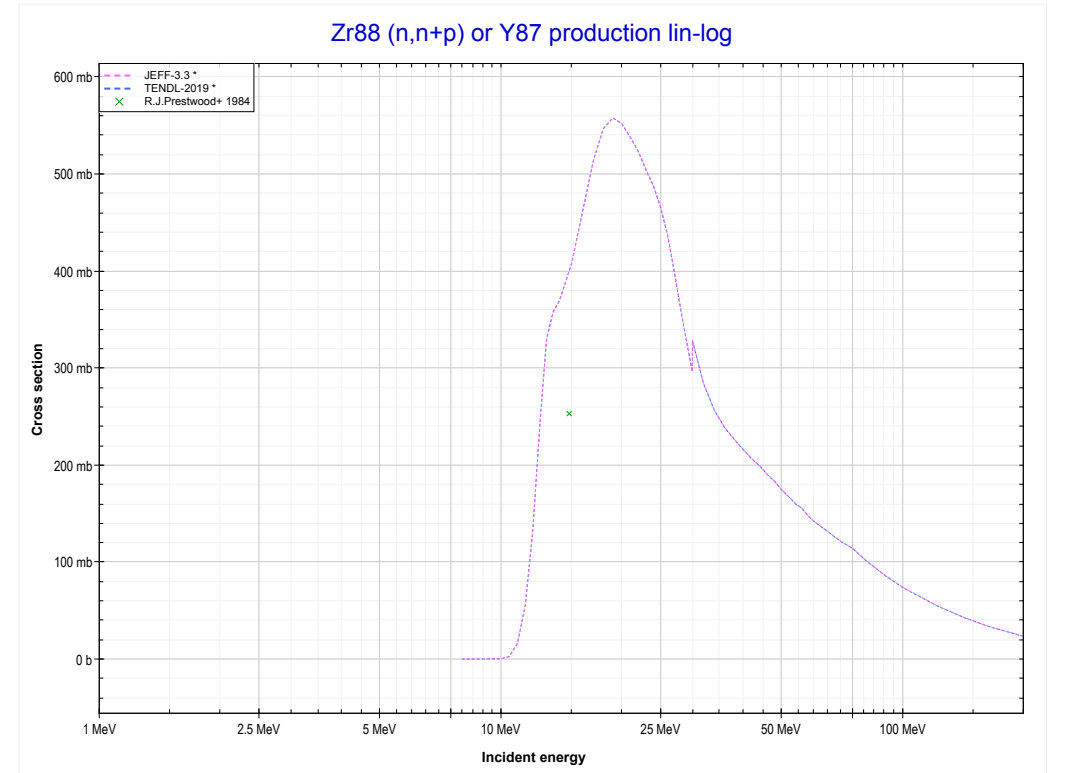
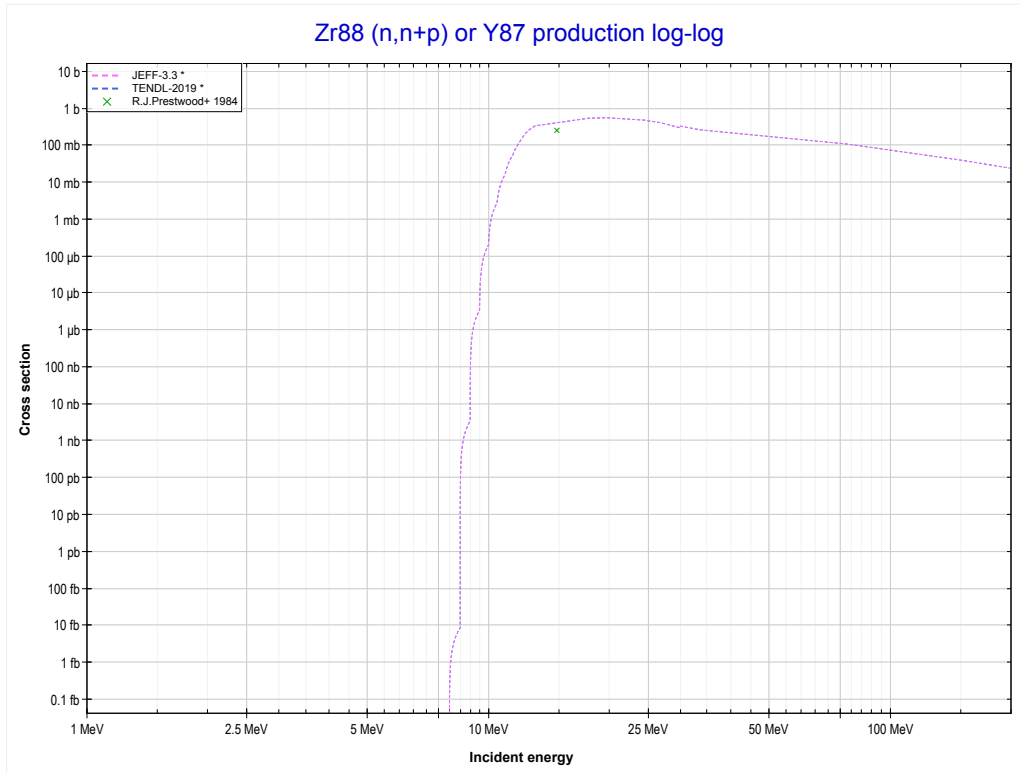
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.40161 b | 1.40056 b | 1.4003 b | 0.99982 | 1.62485 b | 0.00676123 b | 0.00166337 b |
| ENDF/B-VIII.0 | 1.40043 b | 1.40043 b | 1.401 b | 1.00037 | 2.76985 b | 0.0125456 b | 0.00100574 b |
| JEFF-3.3 | 1.39548 b | 1.39548 b | 1.3961 b | 1.00042 | 5.32243 b | 0.0182233 b | 0.00104966 b |
| JENDL-4.0u | 1.40043 b | 1.40043 b | 1.401 b | 1.00038 | 3.65213 b | 0.0205596 b | 7.668E-4 b |
| BROND-3.1 | 1.40043 b | 1.40043 b | 1.401 b | 1.00037 | 2.76985 b | 0.0125456 b | 0.00100574 b |
| CENDL-3.2 | 1.40754 b | 1.40754 b | 1.582 b | 1.12391 | 10.9099 b | 0.0121438 b | 5.8566E-4 b |
| TENDL-2019 | 1.39434 b | 1.39434 b | 1.3947 b | 1.00024 | 30.8154 b | 0.0180908 b | 0.00104817 b |

| | | |
|---------------------------------|---|-----------------|
| << 39-Y-89 | 40-Zr-88 | 40-Zr-90 >> |
| << 39-Y-91 MT102 (n, γ) | MT16 (n,2n) or MT5 (Zr87 production) | MT28 (n,n+p) >> |



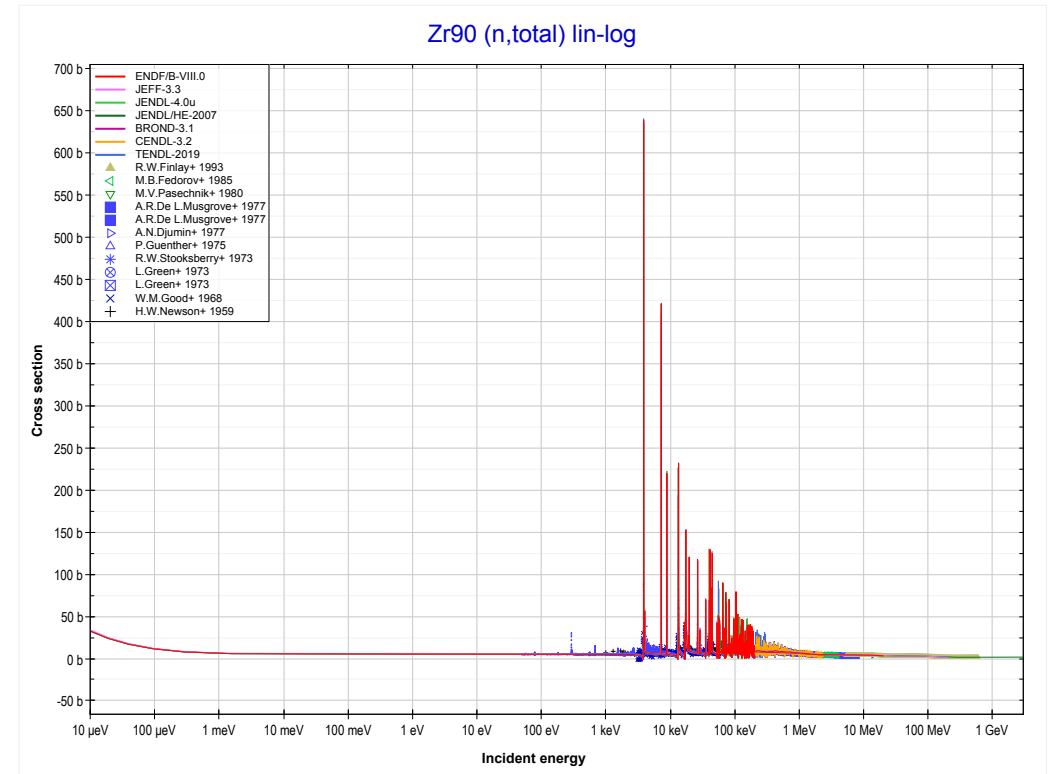
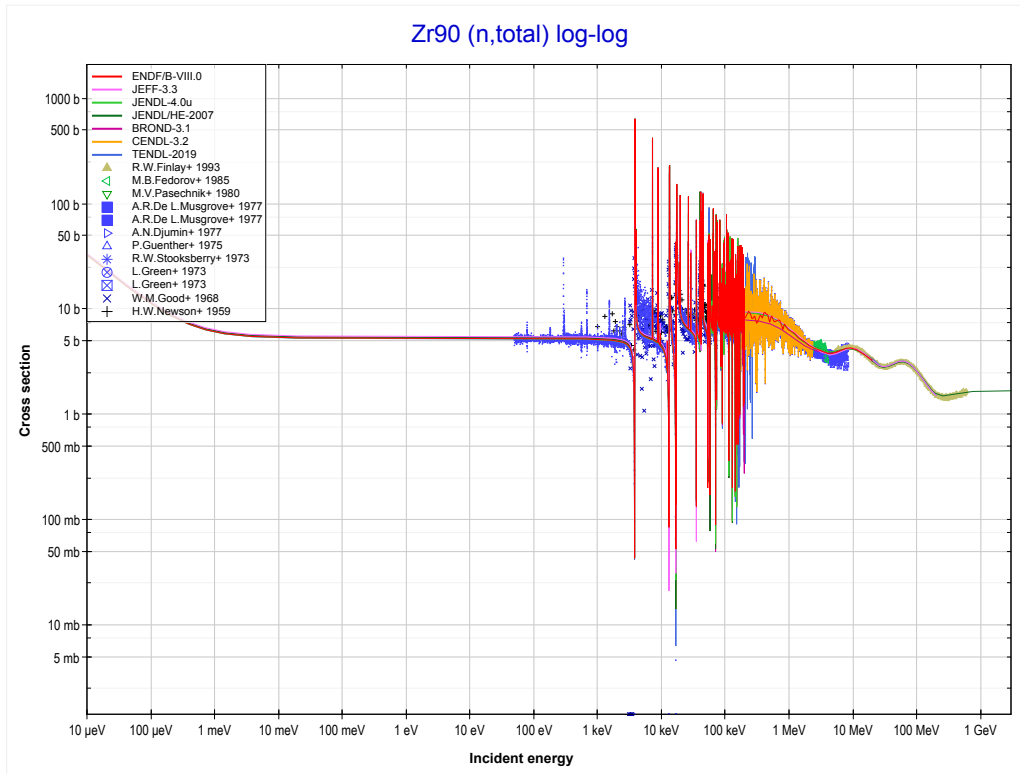
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Zr88(n,2n)Zr87 | -12353.32 keV |

| | | |
|----------------|---|---------------------------|
| << 38-Sr-87 | 40-Zr-88 | 40-Zr-91 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Y87 production) | 40-Zr-90 MT1 (n,total) >> |



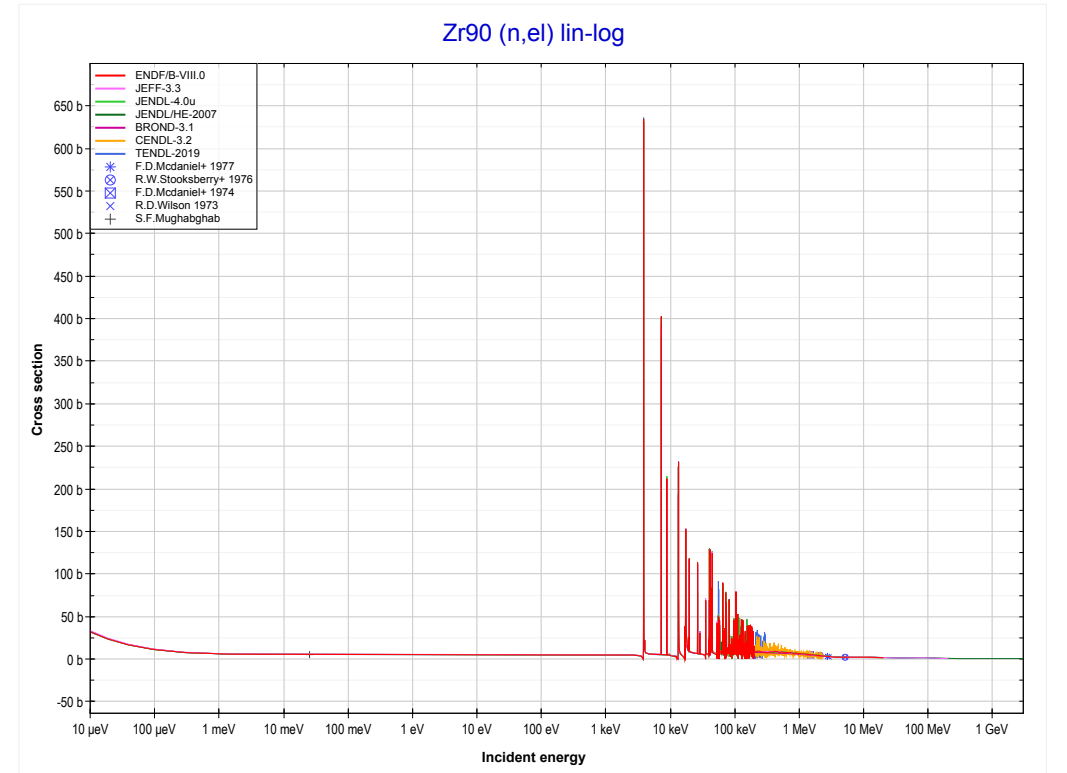
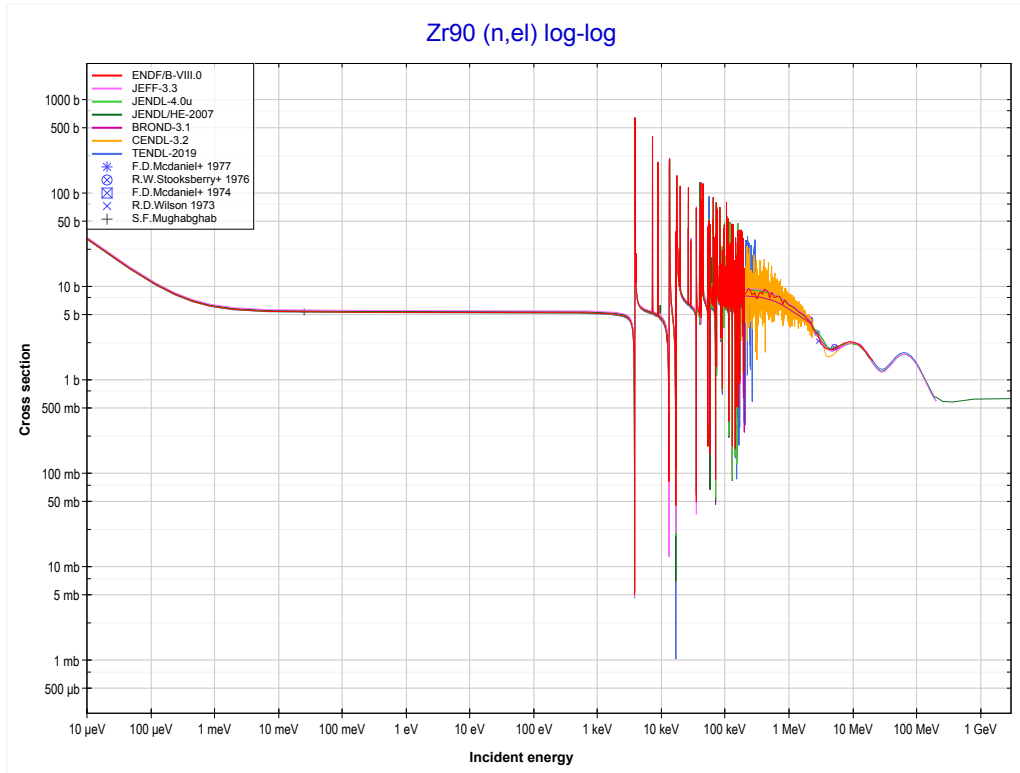
| Reaction | Q-Value |
|----------------|--------------|
| Zr88(n,d)Y87 | -5675.00 keV |
| Zr88(n,n+p)Y87 | -7899.57 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 39-Y-89 | 40-Zr-90 | 40-Zr-91 >> |
| << 40-Zr-88 MT28 (n,n+p) | MT1 (n,total) | MT2 (n,elastic) >> |



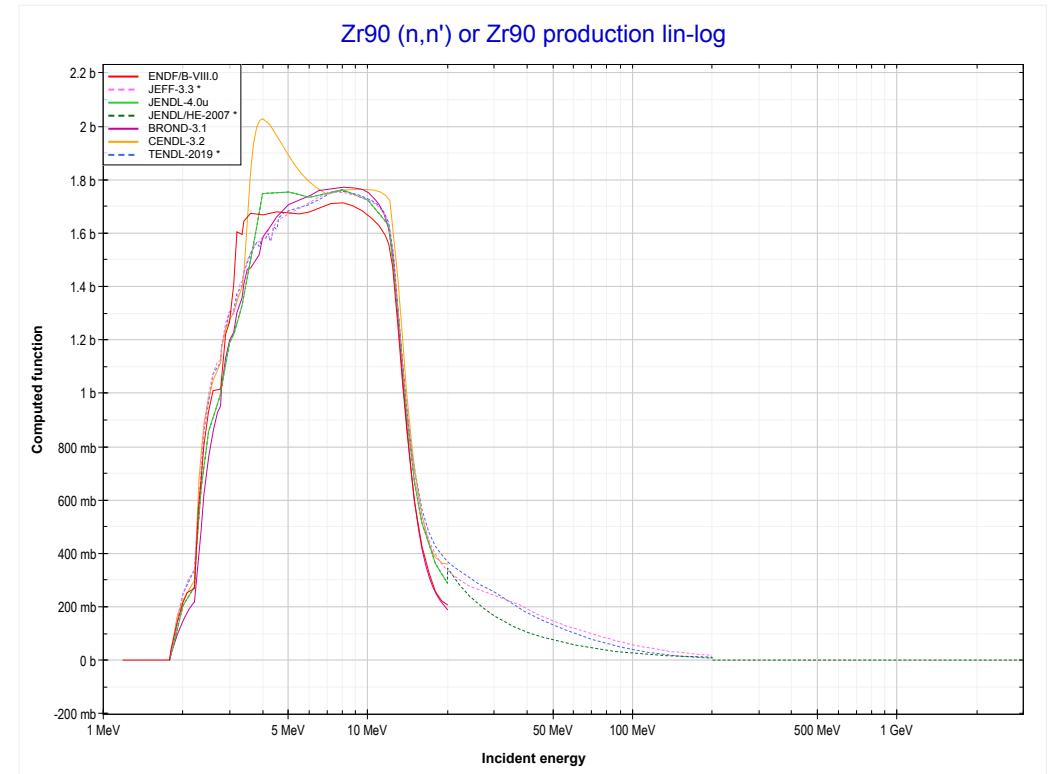
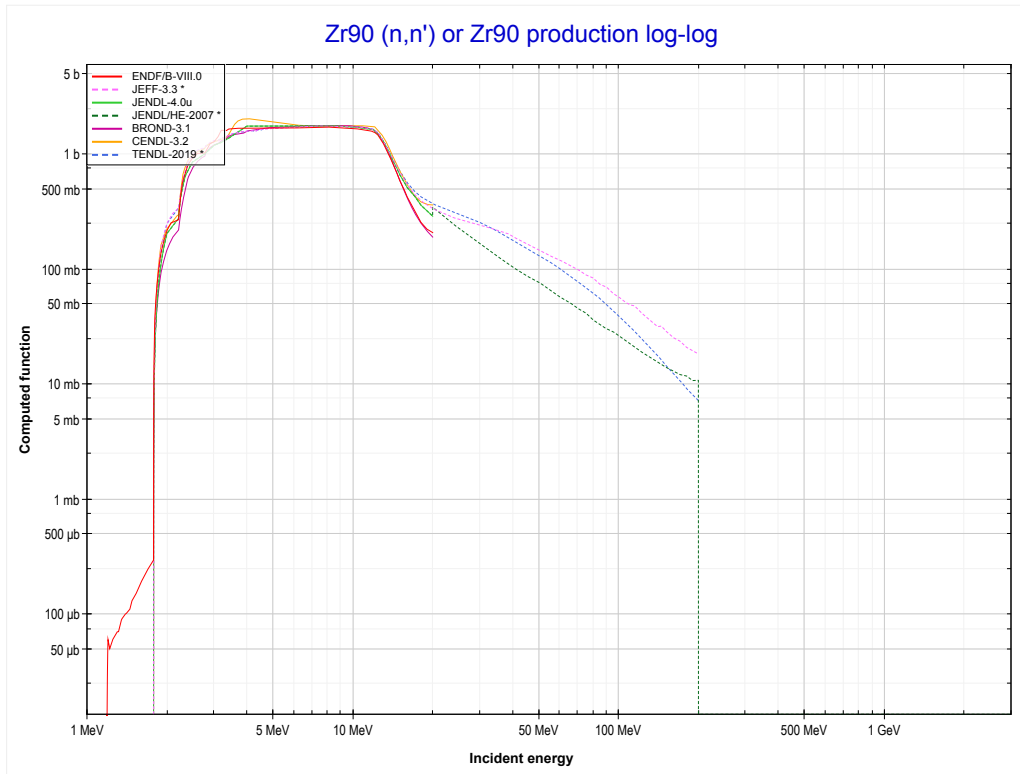
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.30576 b | 5.30576 b | 5.9855 b | 1.12812 | 78.0259 b | 5.64334 b | 3.81881 b |
| JEFF-3.3 | 5.53845 b | 5.53845 b | 6.2481 b | 1.12814 | 79.7846 b | 5.79596 b | 3.9111 b |
| JENDL-4.0u | 5.28719 b | 5.28719 b | 5.9645 b | 1.12811 | 78.1307 b | 5.74209 b | 3.8459 b |
| JENDL/HE-2007 | 5.40635 b | 5.40635 b | 6.0993 b | 1.12817 | 77.3438 b | 5.73822 b | 3.8459 b |
| BROND-3.1 | 5.41573 b | 5.41573 b | 6.1095 b | 1.1281 | 77.6782 b | 5.22641 b | 3.8666 b |
| CENDL-3.2 | 5.40635 b | 5.40635 b | 6.0993 b | 1.12817 | 77.3438 b | 5.58363 b | 3.89271 b |
| TENDL-2019 | 5.27119 b | 5.27119 b | 5.9464 b | 1.1281 | 76.468 b | 5.72421 b | 3.8842 b |

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|------------------|------------------------|---------------|
| << 39-Y-89 | 40-Zr-90 | 40-Zr-91 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



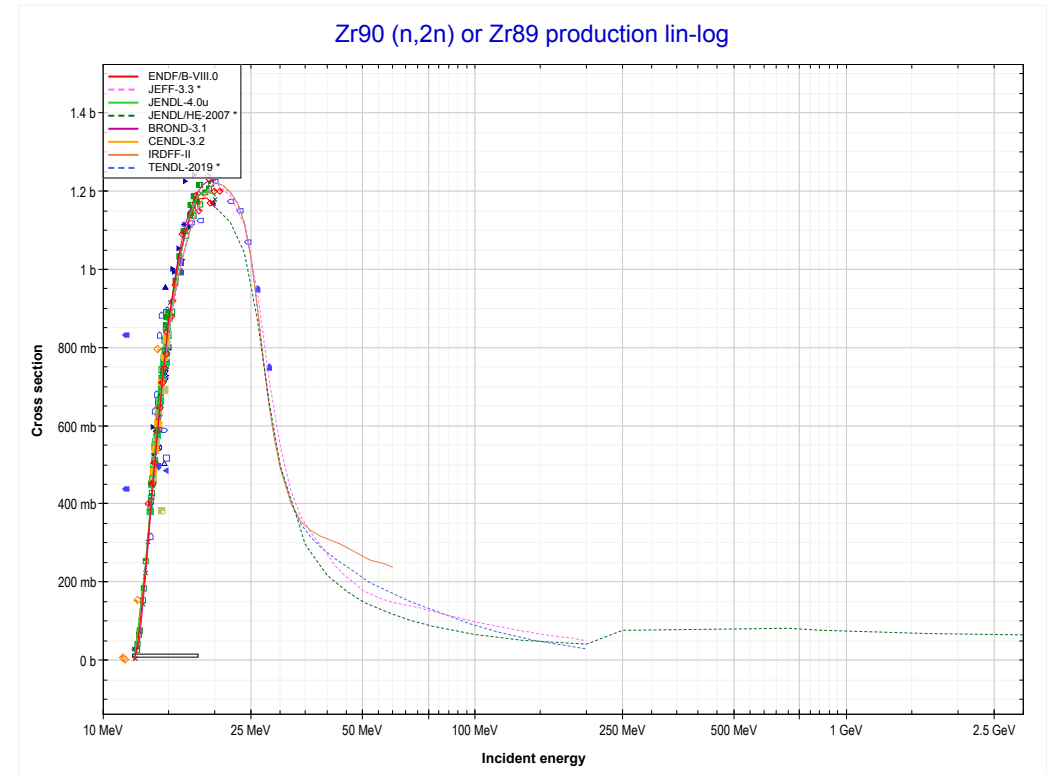
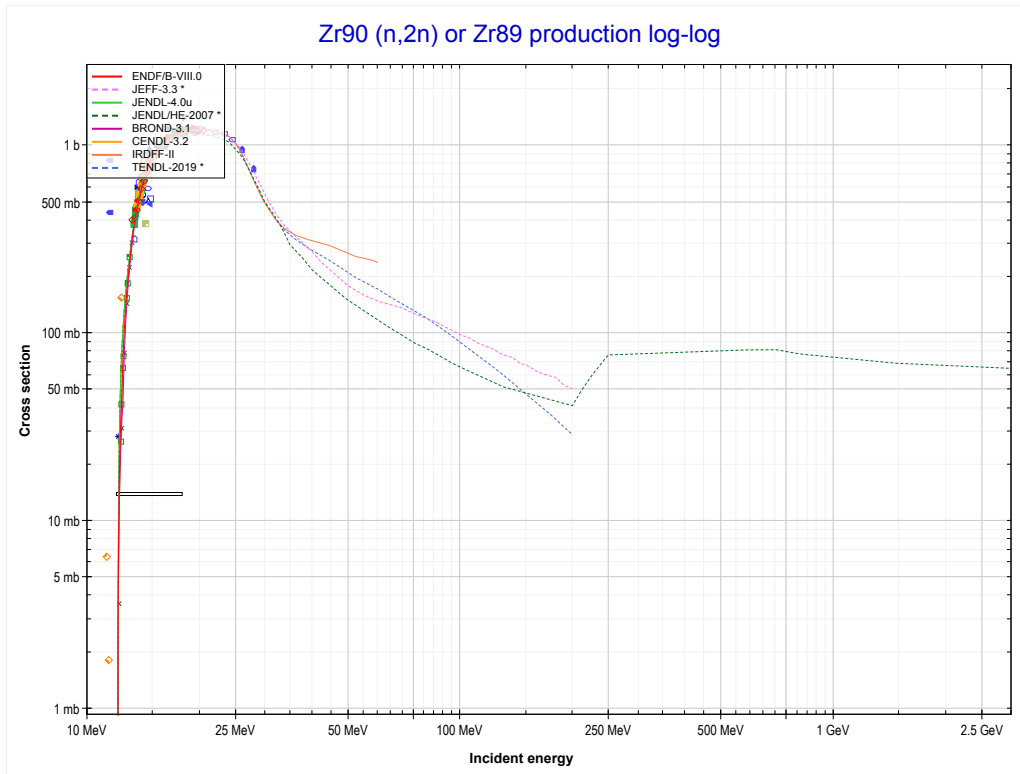
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.29552 b | 5.29552 b | 5.9753 b | 1.12837 | 77.8935 b | 5.14069 b | 2.19853 b |
| JEFF-3.3 | 5.52848 b | 5.52848 b | 6.2382 b | 1.12837 | 79.6521 b | 5.29478 b | 2.21535 b |
| JENDL-4.0u | 5.27653 b | 5.27653 b | 5.9539 b | 1.12837 | 77.9998 b | 5.25954 b | 2.18296 b |
| JENDL/HE-2007 | 5.39523 b | 5.39523 b | 6.0882 b | 1.12843 | 77.1971 b | 5.25706 b | 2.18284 b |
| BROND-3.1 | 5.40462 b | 5.40462 b | 6.0984 b | 1.12837 | 77.5441 b | 4.76633 b | 2.26994 b |
| CENDL-3.2 | 5.39523 b | 5.39523 b | 6.0882 b | 1.12843 | 77.1971 b | 5.04775 b | 2.15758 b |
| TENDL-2019 | 5.25738 b | 5.25738 b | 5.9326 b | 1.12843 | 76.3336 b | 5.22556 b | 2.19306 b |

| | | |
|--------------------|--|----------------|
| << 39-Y-89 | 40-Zr-90 | 41-Nb-93 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Zr90 production) | MT16 (n,2n) >> |



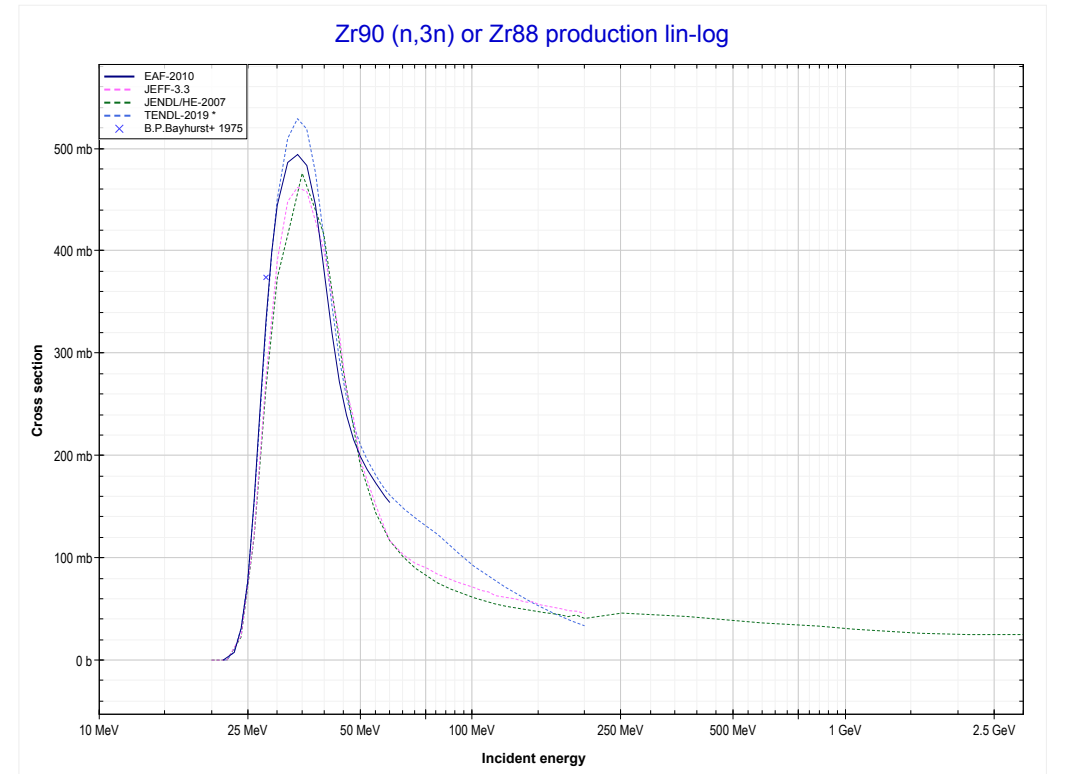
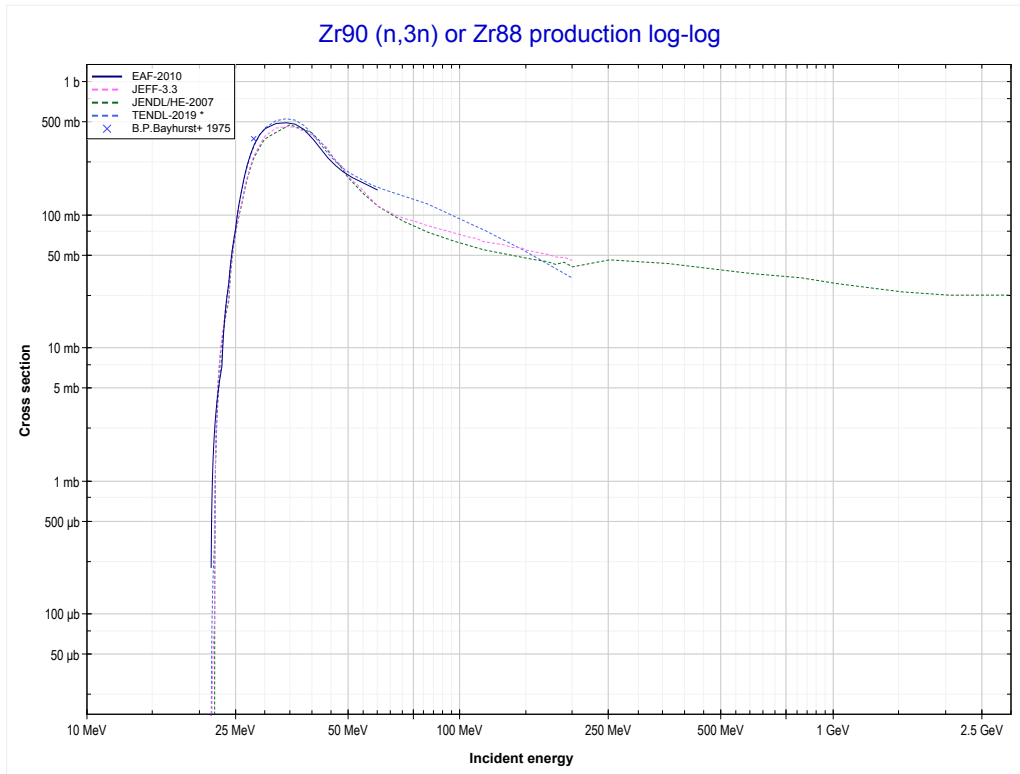
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.494283 b | 0.873934 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.489976 b | 0.947927 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.47368 b | 0.925685 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.473681 b | 0.925685 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.453482 b | 0.888657 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.528605 b | 1.00418 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.487126 b | 0.95738 b |

| | | |
|---------------|---|----------------|
| << 40-Zr-88 | 40-Zr-90 | 40-Zr-91 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Zr89 production) | MT17 (n,3n) >> |



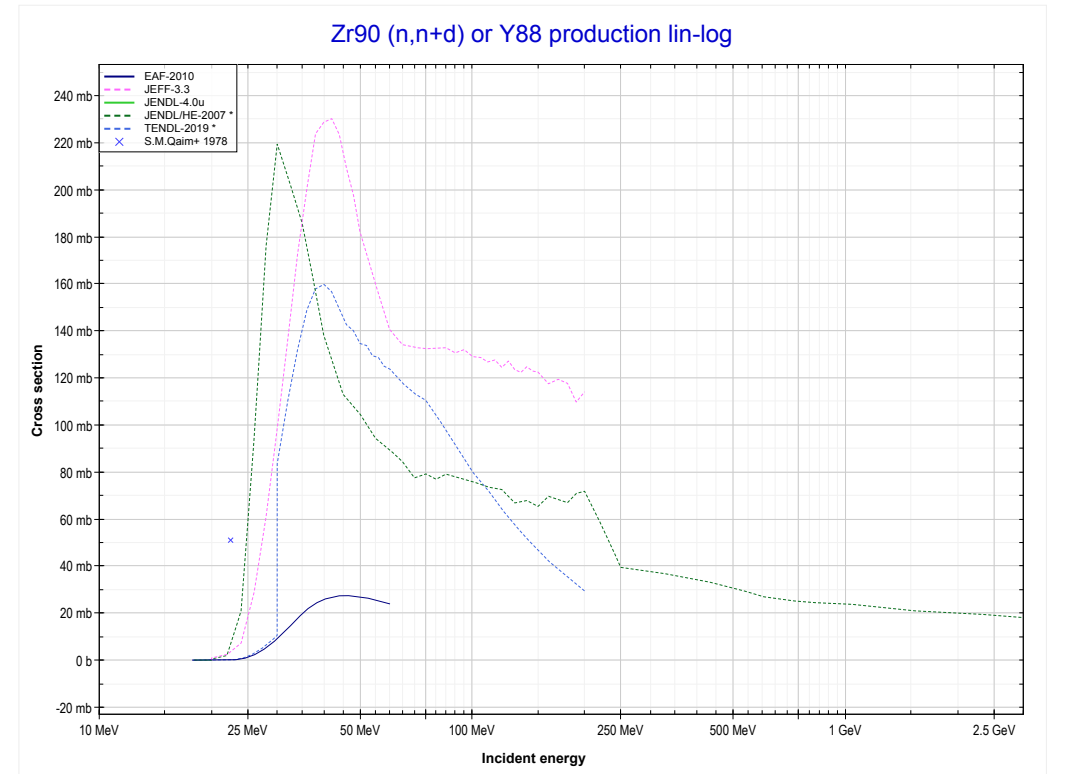
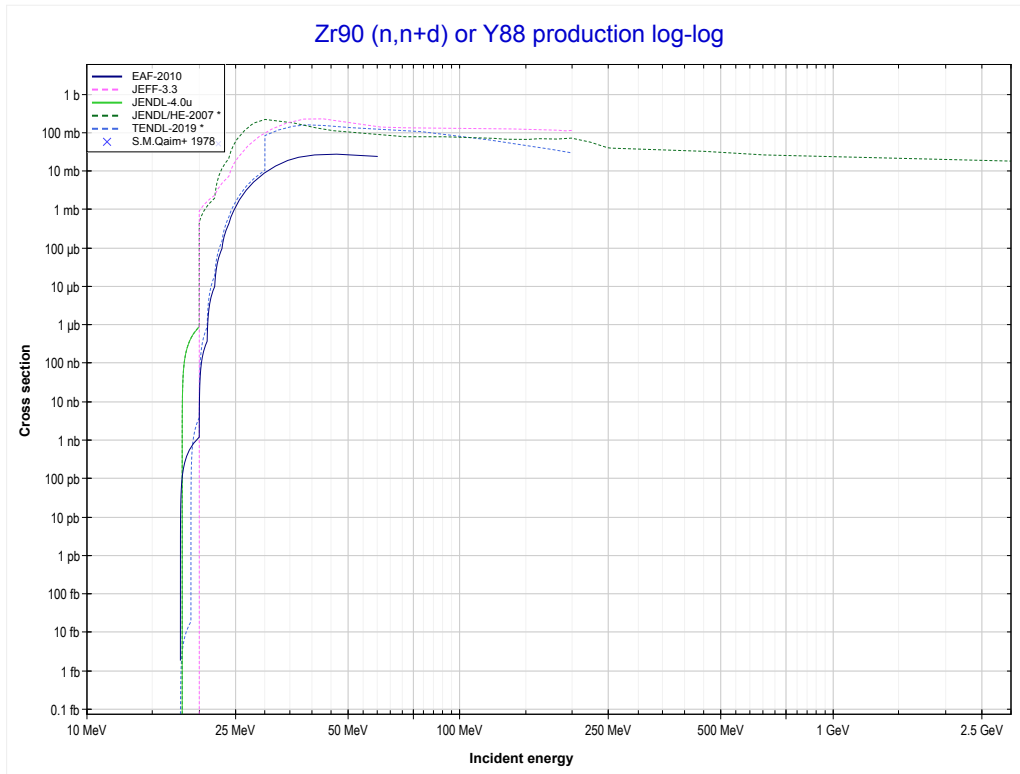
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.68979E-4 b | 0.587707 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.66565E-4 b | 0.593964 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.75382E-4 b | 0.611314 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.75344E-4 b | 0.611314 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.63888E-4 b | 0.580911 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.75344E-4 b | 0.611314 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 1.6576E-4 b | 0.593964 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.66395E-4 b | 0.593964 b |

| | | |
|----------------|---|-----------------|
| << 39-Y-89 | 40-Zr-90 | 41-Nb-93 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Zr88 production) | MT32 (n,n+d) >> |



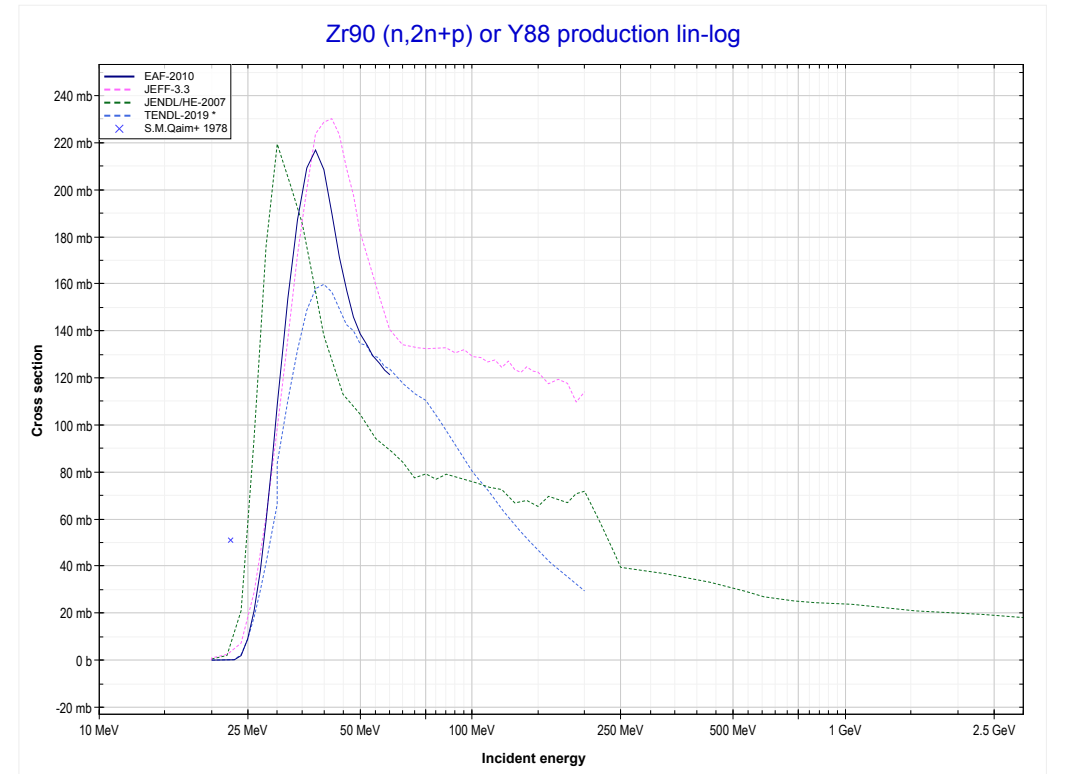
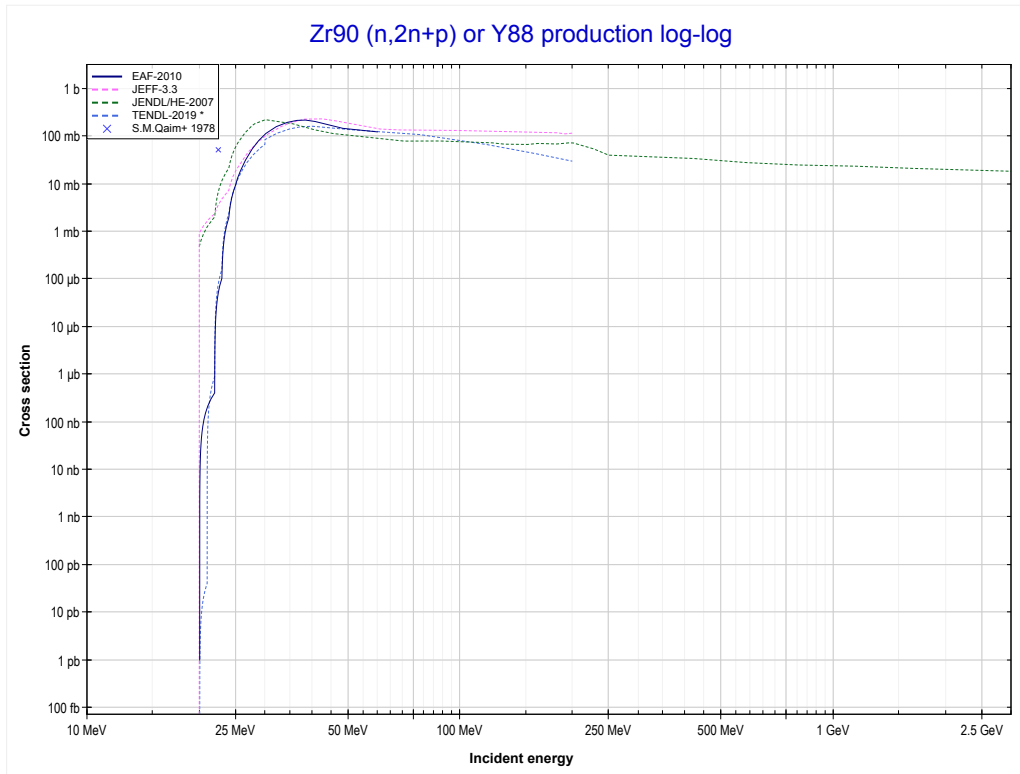
| Reaction | Q-Value |
|----------------|---------------|
| Zr90(n,3n)Zr88 | -21286.17 keV |

| | | |
|----------------|---|------------------|
| << 34-Se-74 | 40-Zr-90 | 42-Mo-92 >> |
| << MT17 (n,3n) | MT32 (n,n+d) or MT5 (Y88 production) | MT41 (n,2n+p) >> |



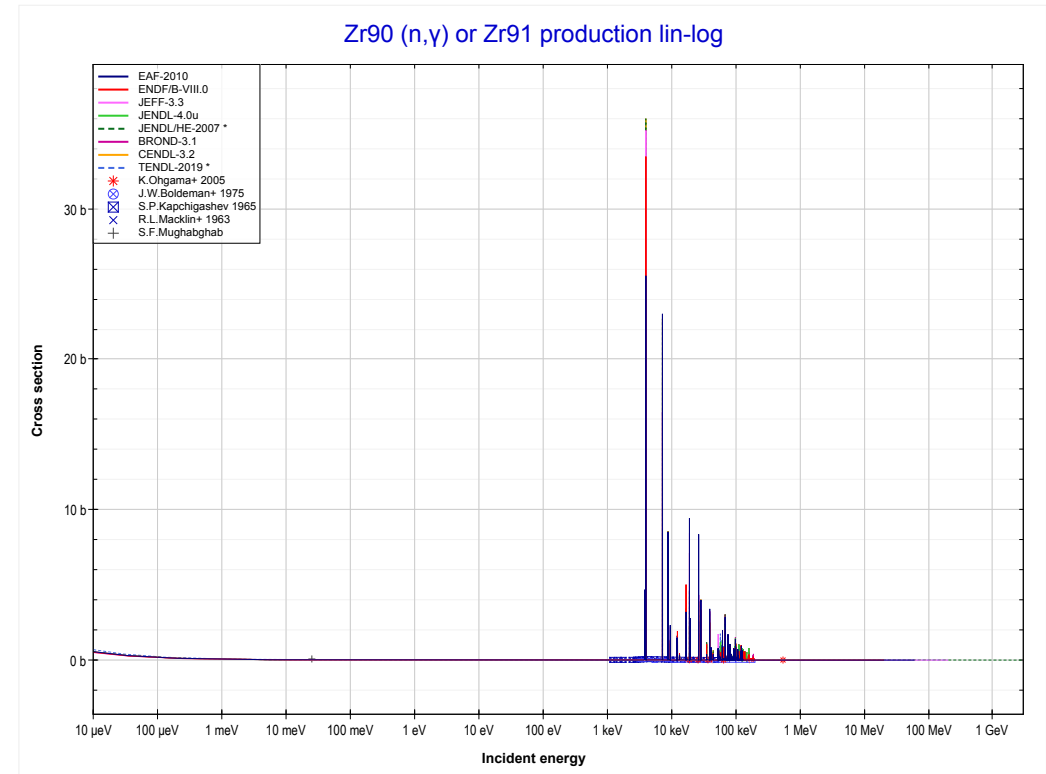
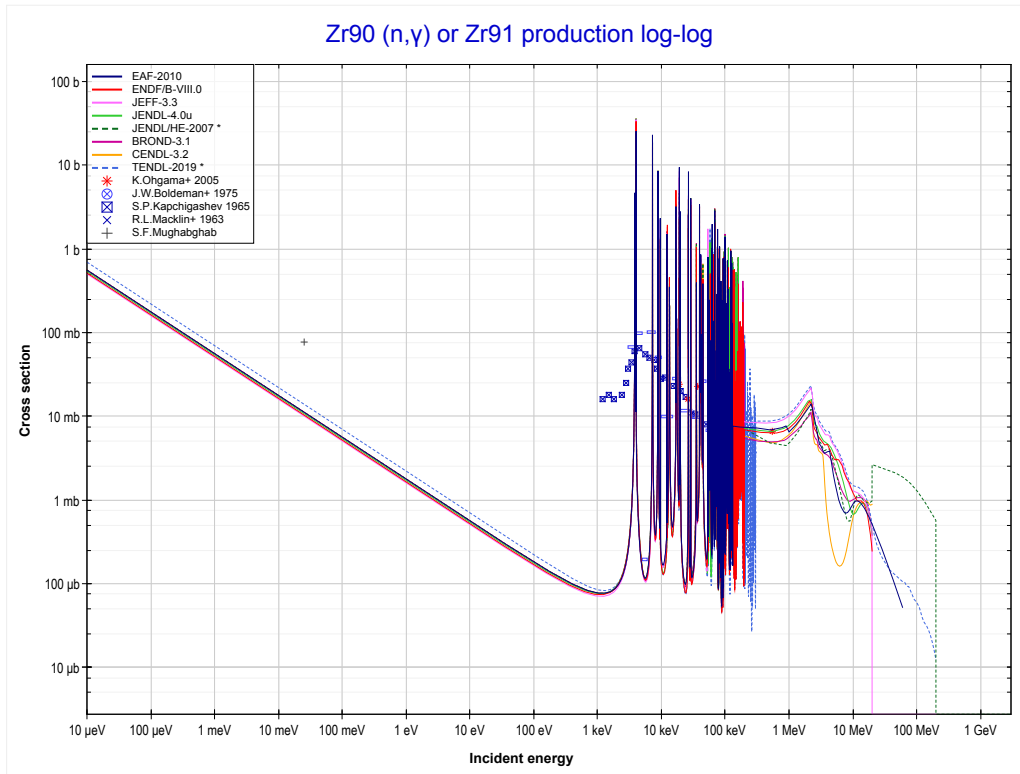
| Reaction | Q-Value |
|-----------------|---------------|
| Zr90(n,t)Y88 | -11352.03 keV |
| Zr90(n,n+d)Y88 | -17609.26 keV |
| Zr90(n,2n+p)Y88 | -19833.83 keV |

| | | |
|-----------------|--|-------------------------|
| << 34-Se-74 | 40-Zr-90 | 42-Mo-92 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Y88 production) | MT102 (n, γ) >> |



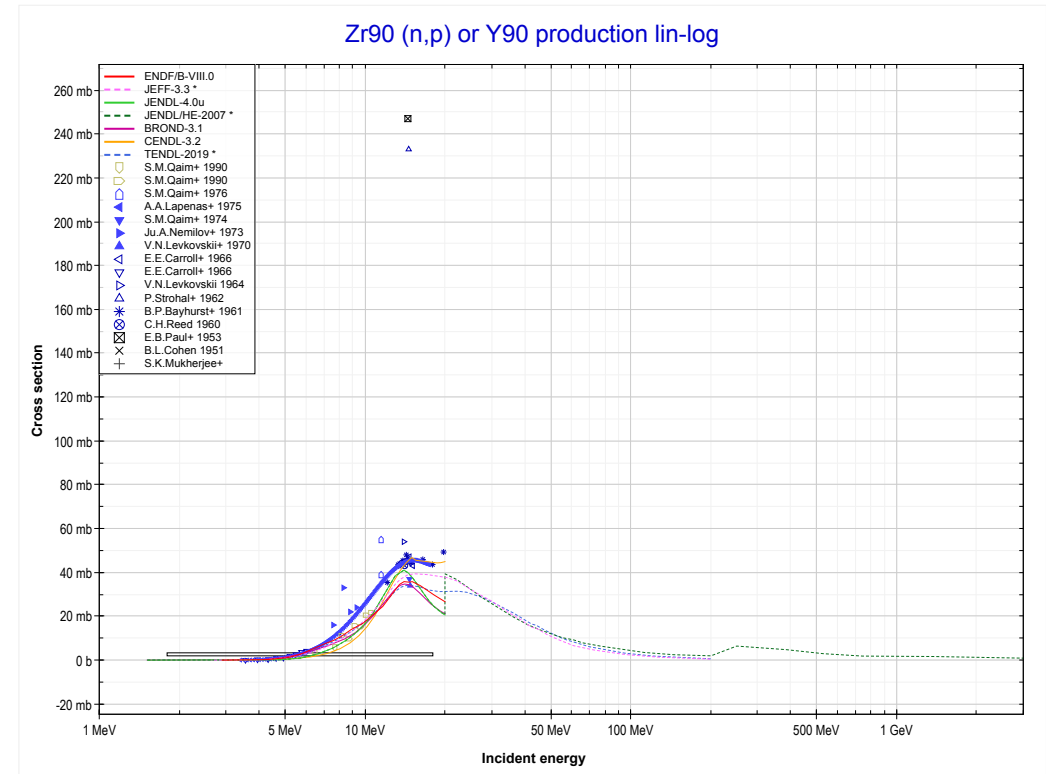
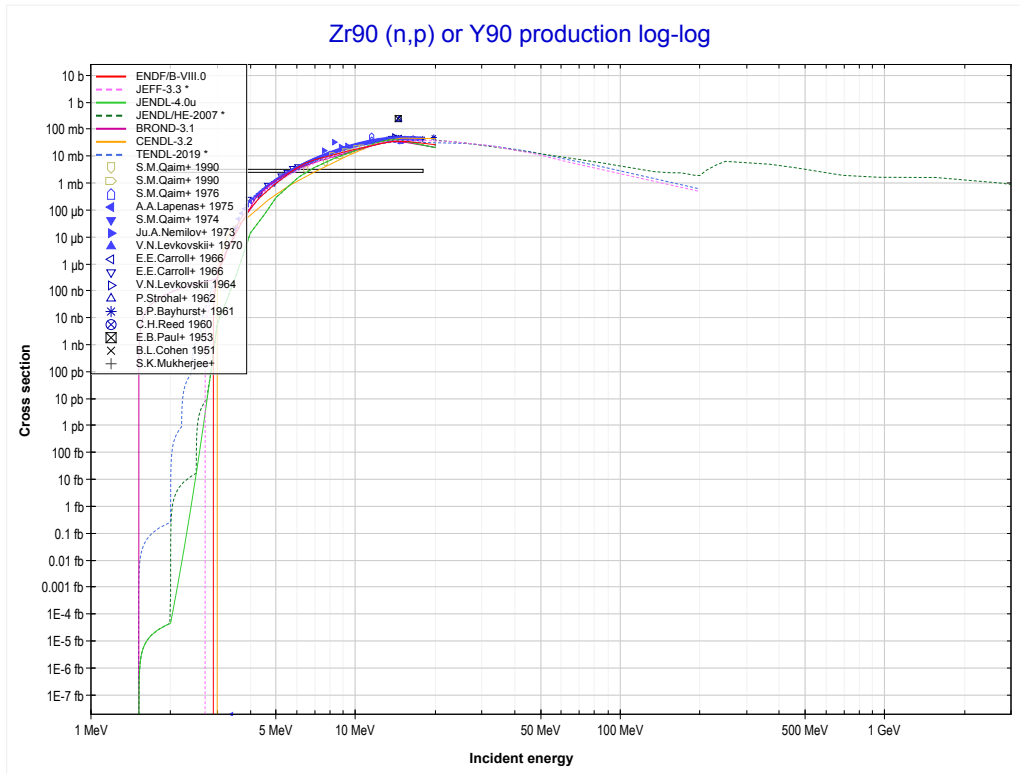
| Reaction | Q-Value |
|-----------------|---------------|
| Zr90(n,t)Y88 | -11352.03 keV |
| Zr90(n,n+d)Y88 | -17609.26 keV |
| Zr90(n,2n+p)Y88 | -19833.83 keV |

| | | |
|------------------|---|----------------|
| << 39-Y-91 | 40-Zr-90 | 40-Zr-91 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Zr91 production) | MT103 (n,p) >> |



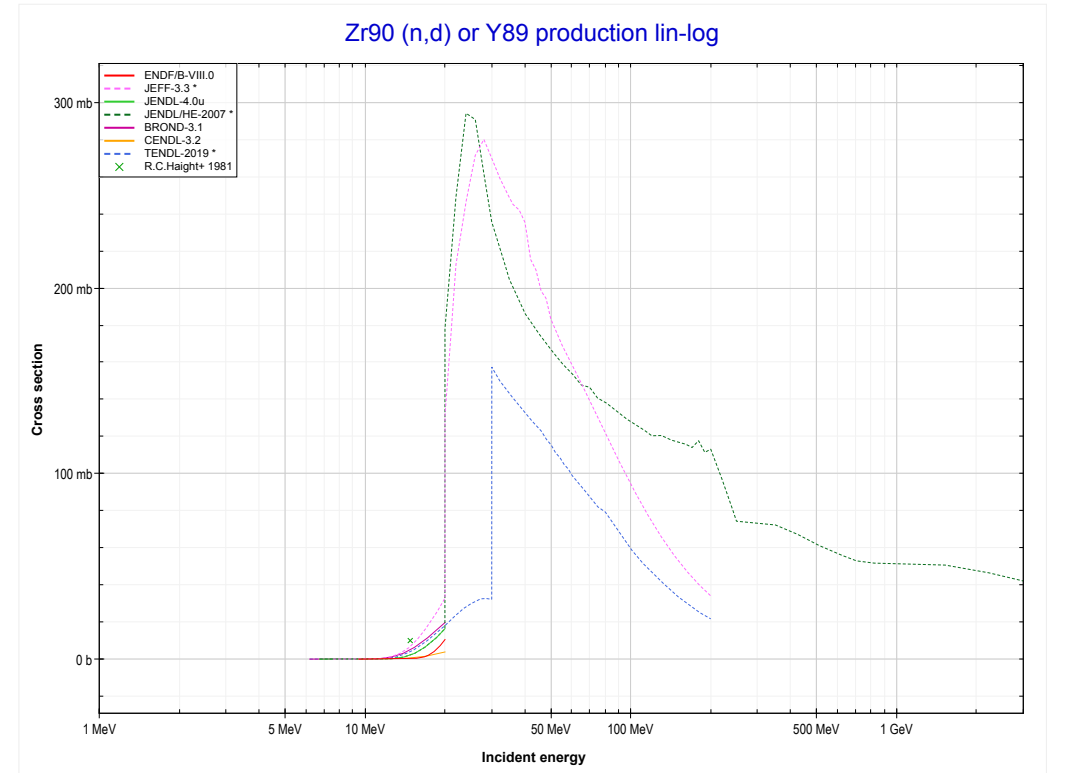
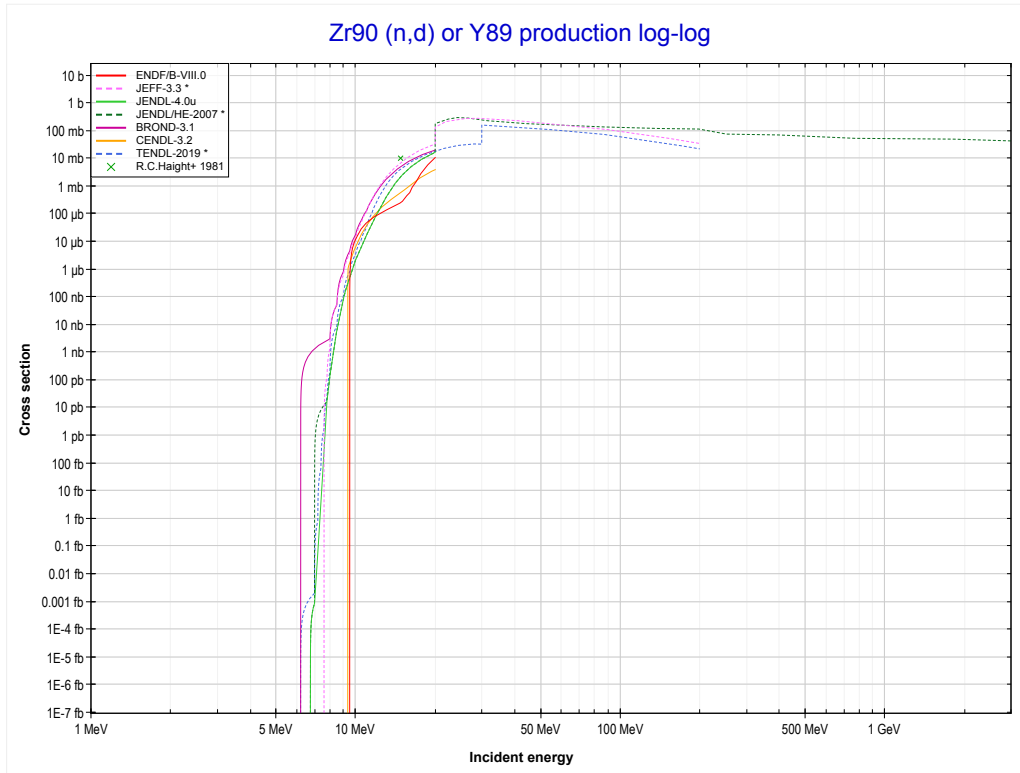
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.011081 b | 0.0110727 b | 0.011069 b | 0.99971 | 0.13549 b | 0.0075064 b | 8.74005E-4 b |
| ENDF/B-VIII.0 | 0.0102474 b | 0.0102474 b | 0.010251 b | 1.00038 | 0.132362 b | 0.00775715 b | 9.56164E-4 b |
| JEFF-3.3 | 0.00997591 b | 0.00997591 b | 0.0099797 b | 1.00038 | 0.132569 b | 0.0106439 b | 0.00108499 b |
| JENDL-4.0u | 0.0106582 b | 0.0106582 b | 0.010662 b | 1.00038 | 0.130996 b | 0.00843146 b | 9.094E-4 b |
| JENDL/HE-2007 | 0.0111242 b | 0.0111242 b | 0.011125 b | 1.00005 | 0.140552 b | 0.00627785 b | 0.00102954 b |
| BROND-3.1 | 0.0111132 b | 0.0111132 b | 0.011117 b | 1.00038 | 0.134151 b | 0.00603197 b | 0.0010555 b |
| CENDL-3.2 | 0.0111242 b | 0.0111242 b | 0.011125 b | 1.00005 | 0.140552 b | 0.00636981 b | 9.25386E-4 b |
| TENDL-2019 | 0.0138096 b | 0.0138096 b | 0.01381 b | 1.00005 | 0.134652 b | 0.0111004 b | 0.00129101 b |

| | | |
|-------------------------|--|----------------|
| << 39-Y-89 | 40-Zr-90 | 40-Zr-91 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Y90 production) | MT104 (n,d) >> |



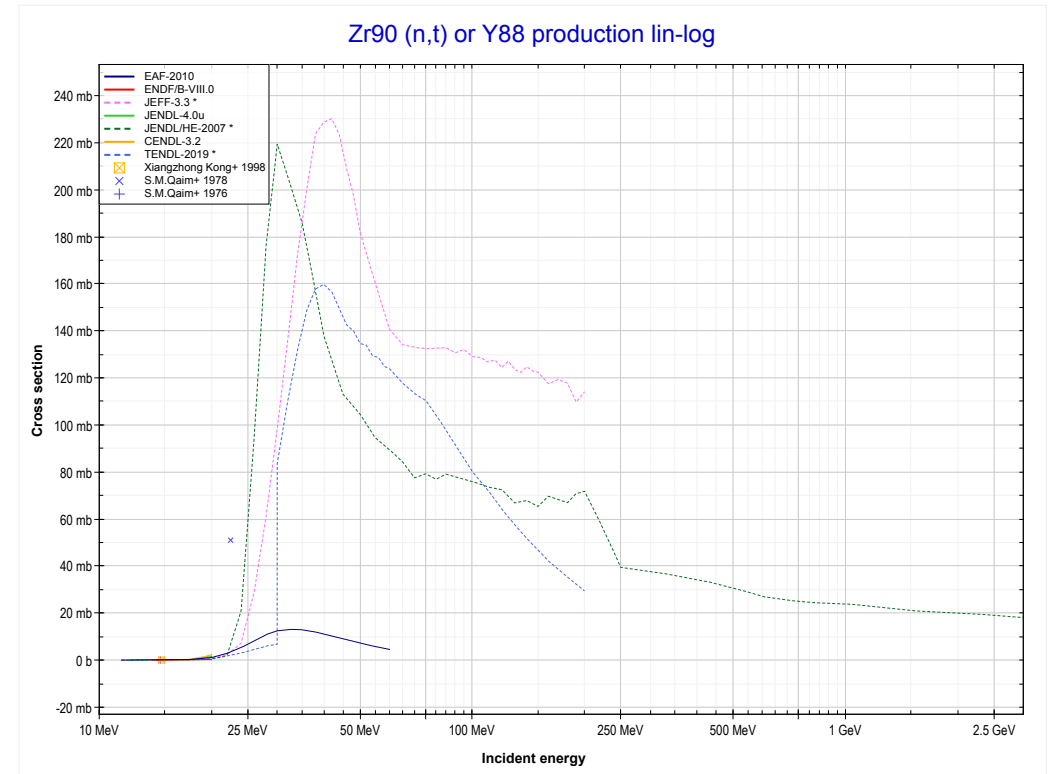
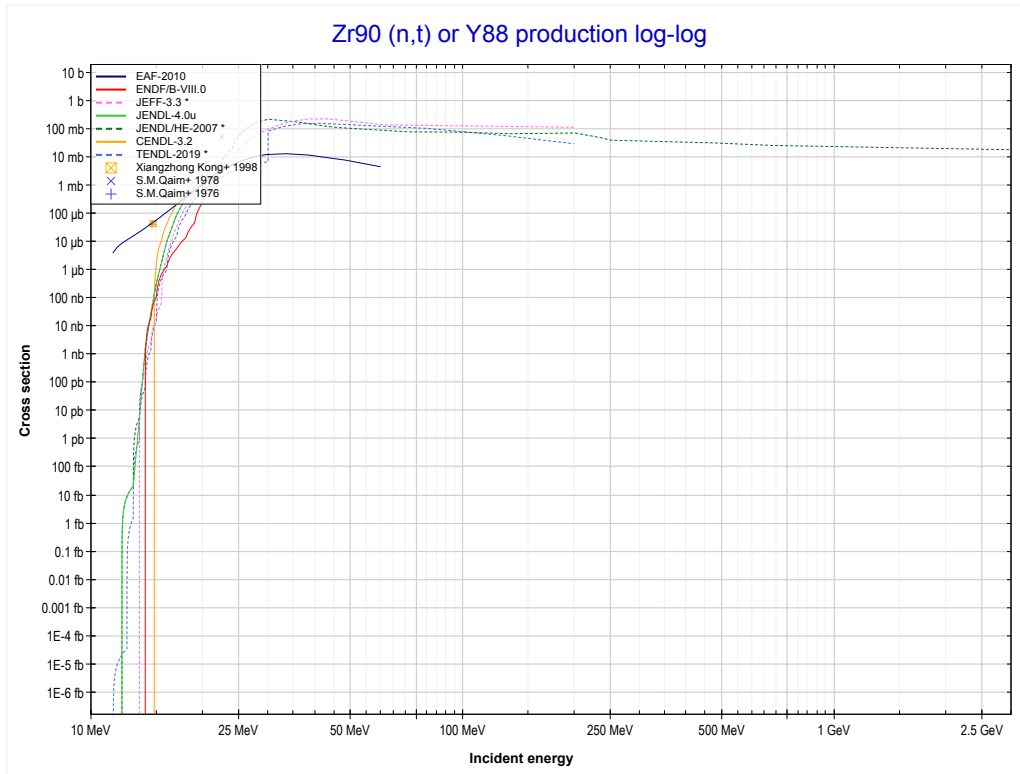
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.55948E-4 b | 0.0358232 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17324E-4 b | 0.0379701 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.12609E-4 b | 0.0410366 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12646E-4 b | 0.0410366 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.31256E-4 b | 0.0347176 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81343E-4 b | 0.0431577 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28329E-4 b | 0.0338612 b |

| | | |
|----------------|--|----------------|
| << 39-Y-89 | 40-Zr-90 | 40-Zr-92 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Y89 production) | MT105 (n,t) >> |



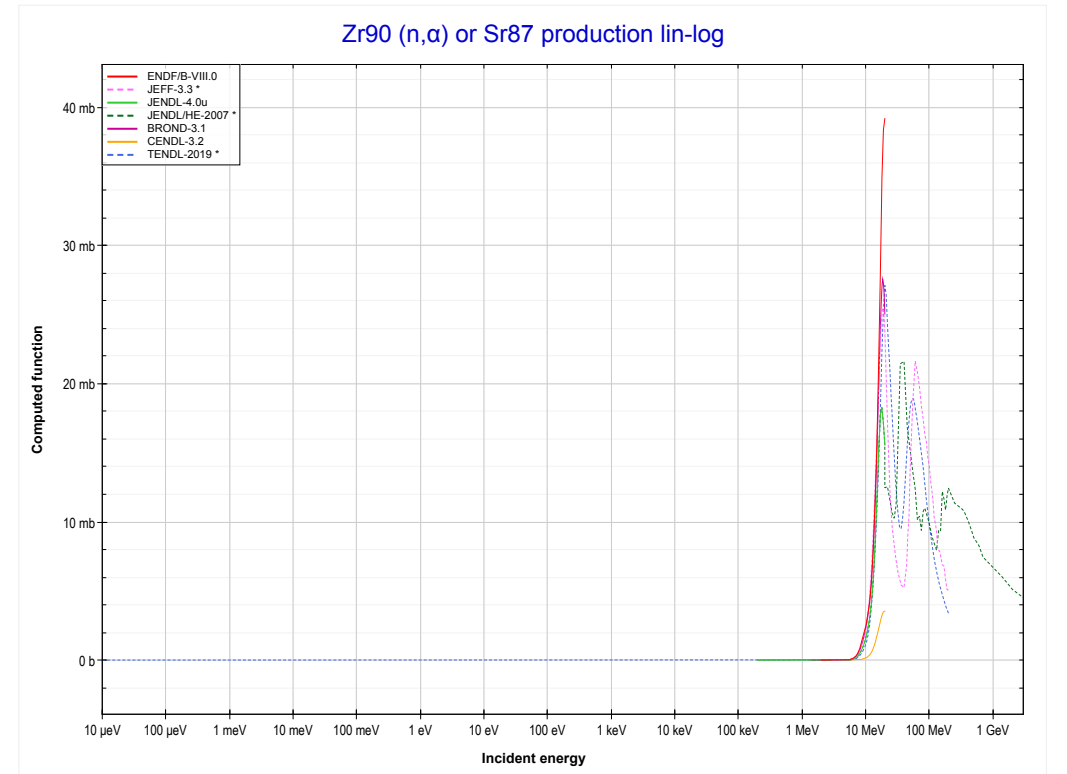
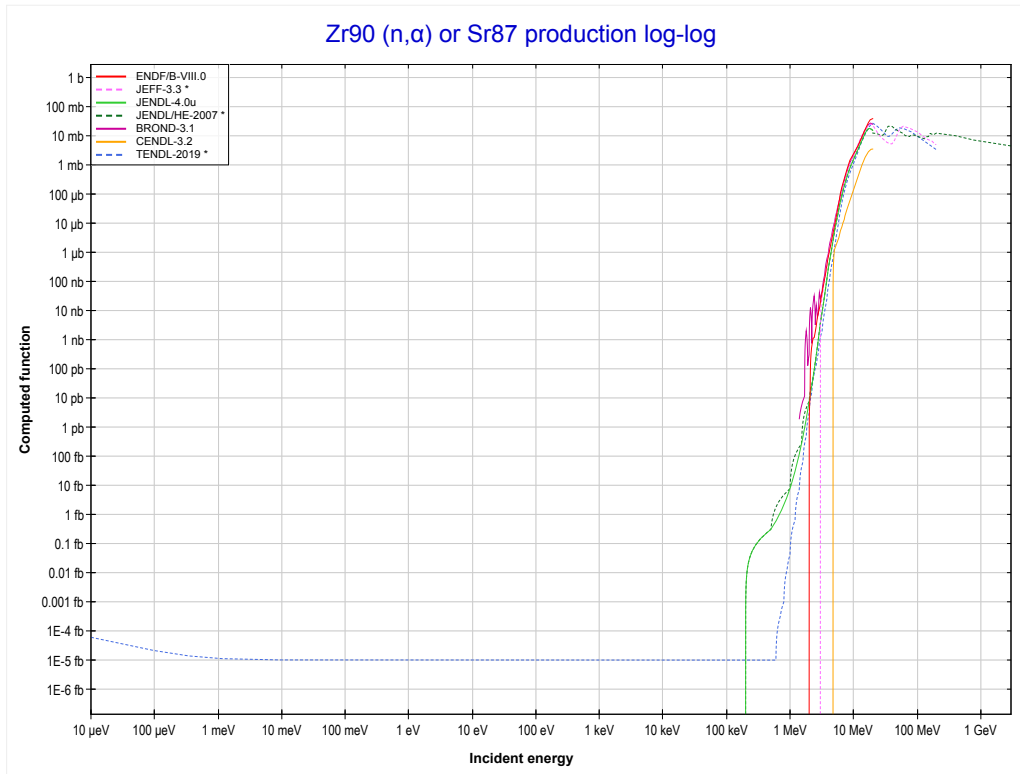
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94681E-7 b | 1.86E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96109E-6 b | 0.00431831 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.5352E-7 b | 0.00111994 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.53521E-7 b | 0.00111994 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51677E-6 b | 0.00325638 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27268E-7 b | 3.84926E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03741E-6 b | 0.00249956 b |

| | | |
|----------------|--|-------------------------|
| << 39-Y-89 | 40-Zr-90 | 41-Nb-93 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Y88 production) | MT107 (n, α) >> |



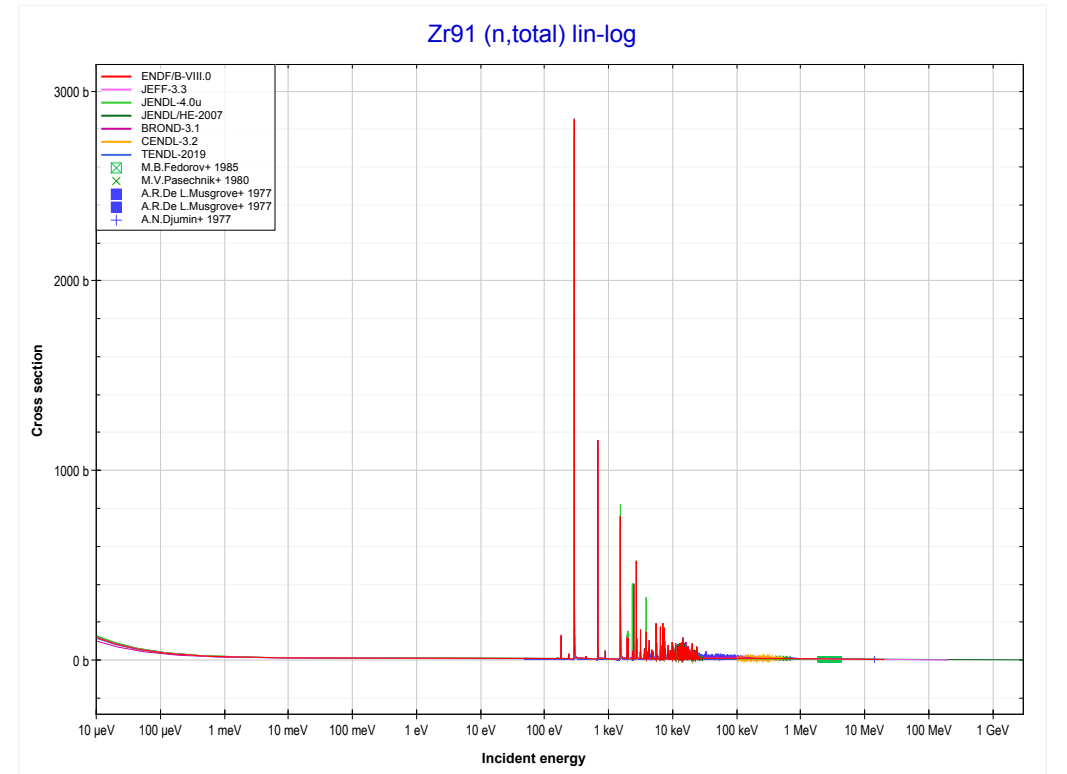
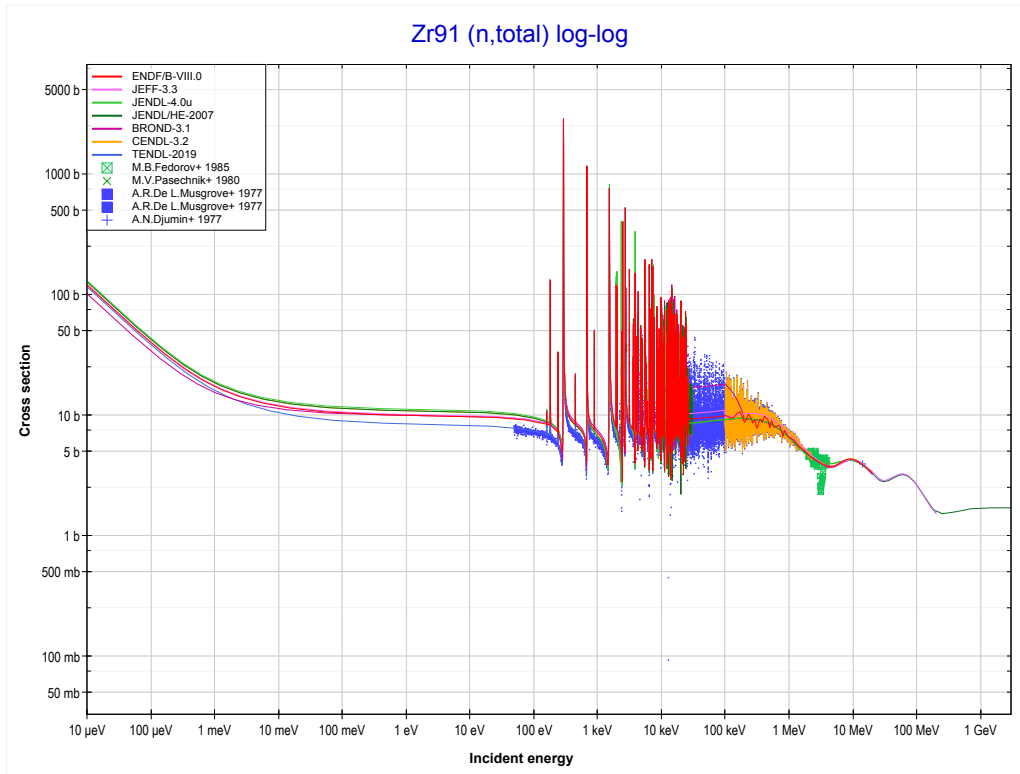
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81466E-8 b | 2.9584E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.52379E-10 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.90777E-9 b | 2.246E-10 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.76465E-9 b | 1.54825E-9 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.76181E-9 b | 1.54825E-9 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08909E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.82575E-9 b | 6.4686E-11 b |

| | | |
|----------------|---|---------------------------|
| << 39-Y-89 | 40-Zr-90 | 40-Zr-92 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Sr87 production) | 40-Zr-91 MT1 (n,total) >> |



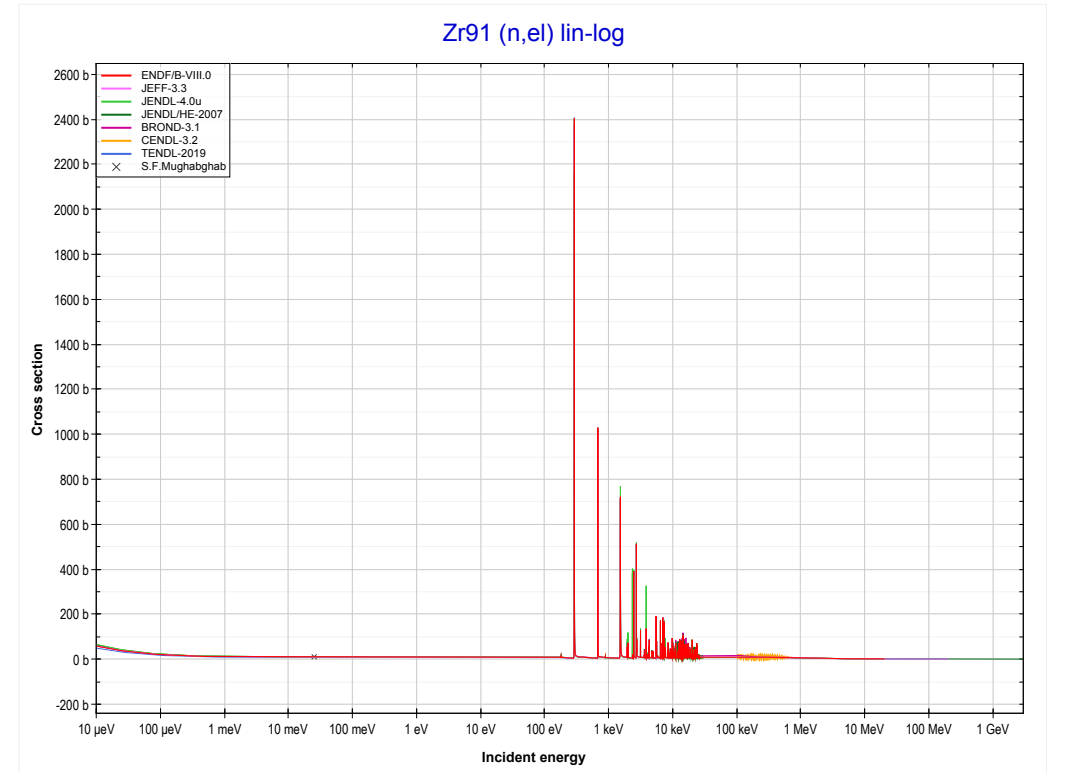
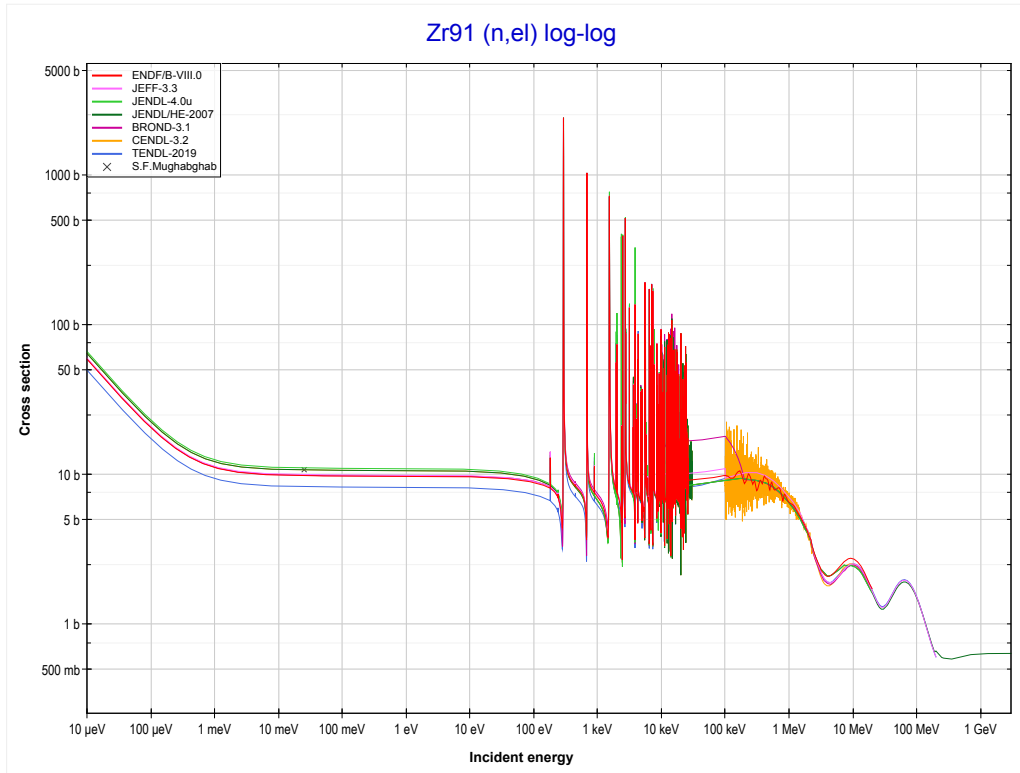
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.53665E-5 b | 0.0114048 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31303E-5 b | 0.012232 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.56277E-5 b | 0.00838534 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56261E-5 b | 0.00838534 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30289E-5 b | 0.0109339 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58369E-6 b | 0.00121434 b |
| TENDL-2019 | 1.0056E-20 b | 1.0056E-20 b | 1.1347E-20 b | 1.12842 | 1.22085E-19 b | 1.15405E-5 b | 0.00781726 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 40-Zr-90 | 40-Zr-91 | 40-Zr-92 >> |
| << 40-Zr-90 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



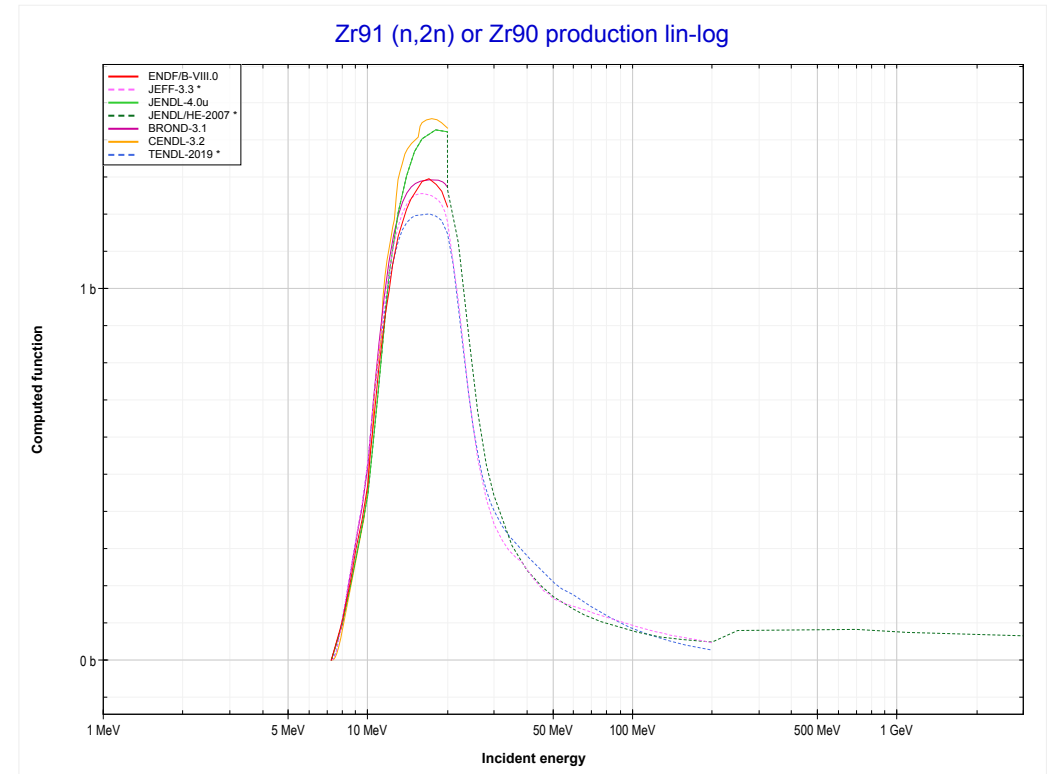
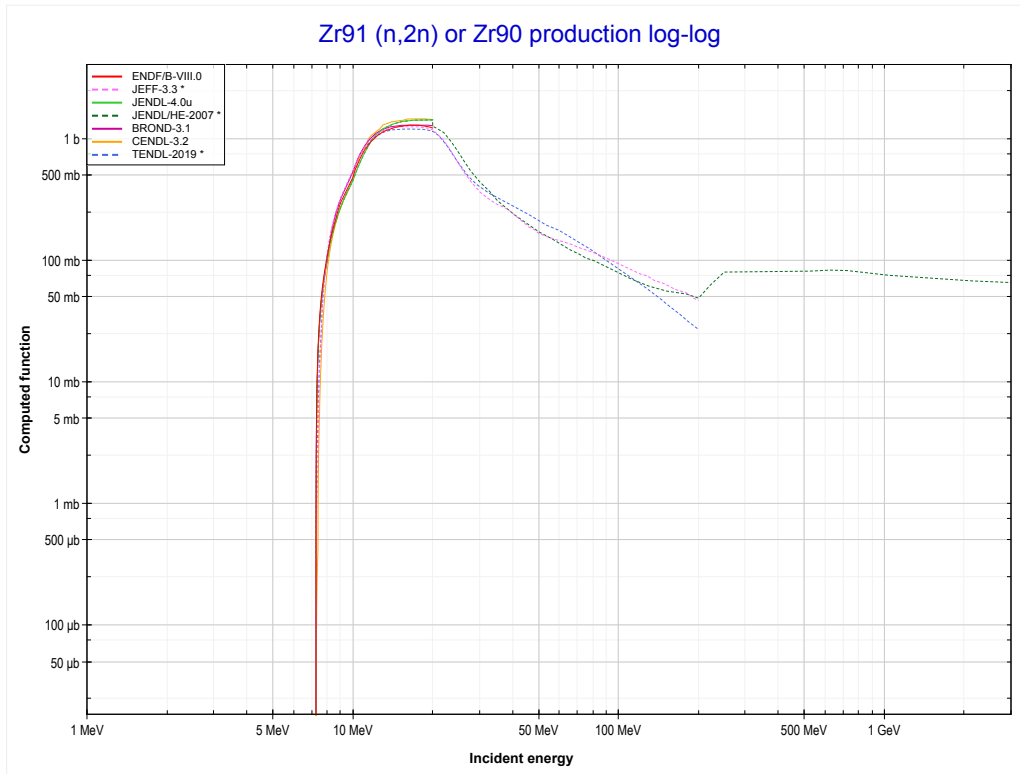
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.9537 b | 10.9537 b | 12.205 b | 1.11425 | 147.146 b | 5.79225 b | 3.86738 b |
| JEFF-3.3 | 11.128 b | 11.128 b | 12.4 b | 1.11435 | 150.778 b | 6.12349 b | 3.9573 b |
| JENDL-4.0u | 12.2355 b | 12.2355 b | 13.644 b | 1.11514 | 154.149 b | 5.74927 b | 3.8459 b |
| JENDL/HE-2007 | 11.8919 b | 11.8919 b | 13.259 b | 1.11493 | 150.866 b | 5.74858 b | 3.8459 b |
| BROND-3.1 | 10.6248 b | 10.6248 b | 11.882 b | 1.11832 | 166.56 b | 5.9506 b | 3.87573 b |
| CENDL-3.2 | 11.8919 b | 11.8919 b | 13.259 b | 1.11493 | 150.866 b | 5.85975 b | 3.90953 b |
| TENDL-2019 | 9.53514 b | 9.53514 b | 10.592 b | 1.11084 | 133.416 b | 5.88518 b | 3.96041 b |

| | | |
|------------------|------------------------|----------------|
| << 40-Zr-90 | 40-Zr-91 | 40-Zr-92 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



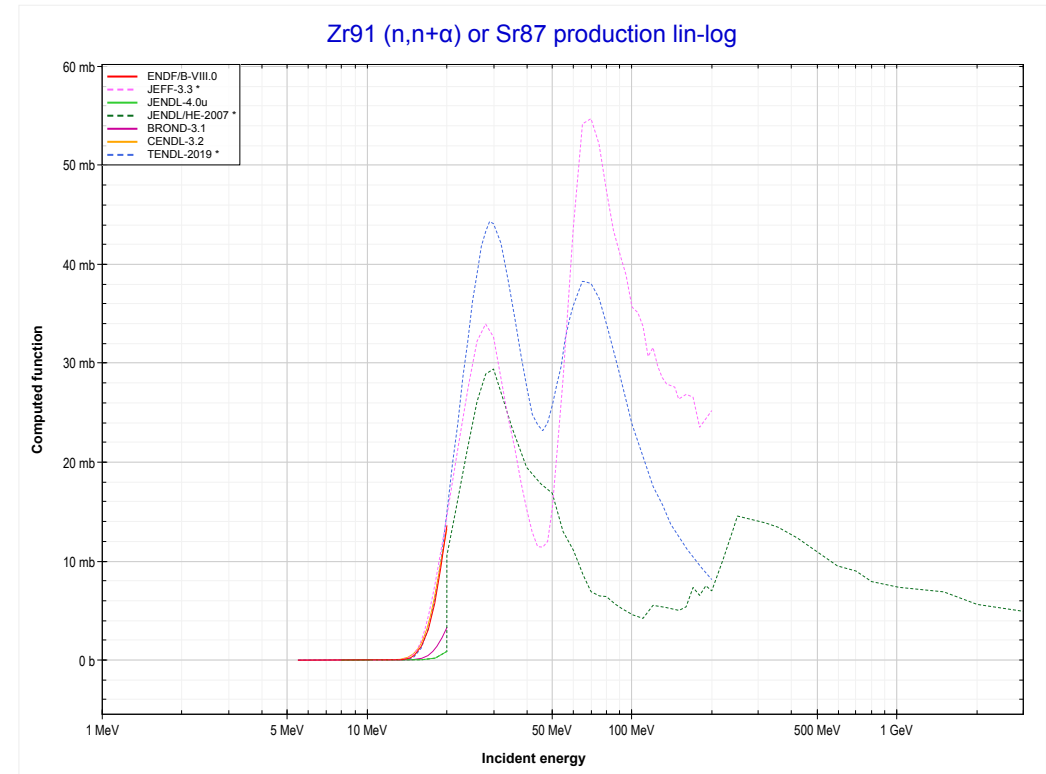
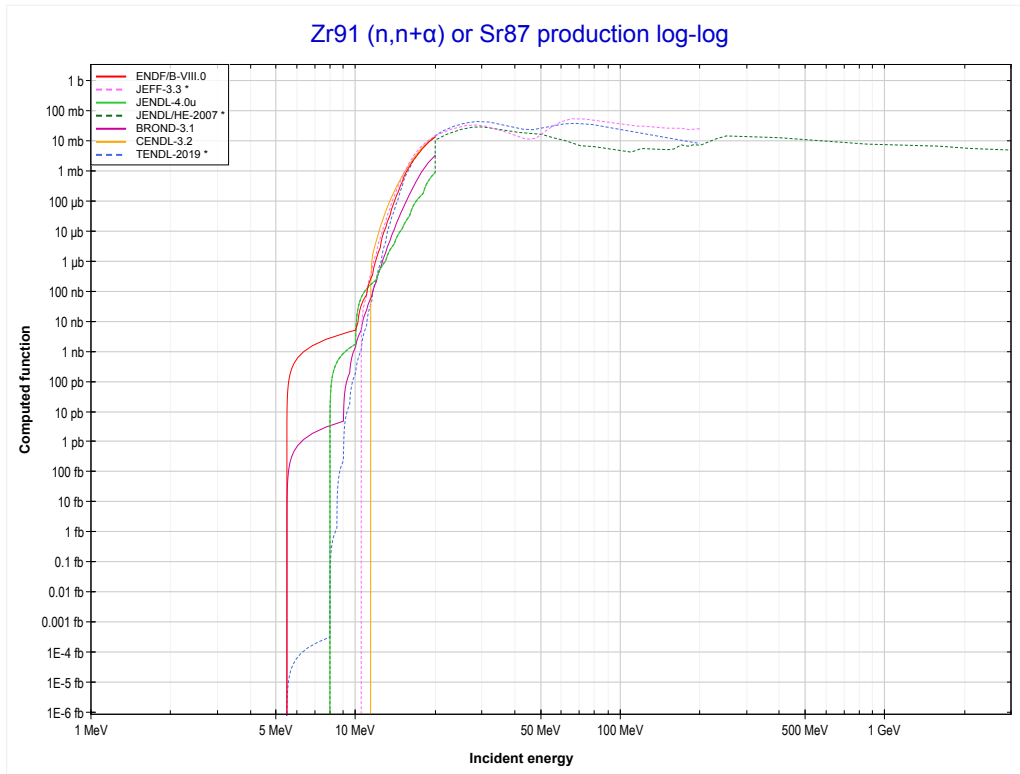
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.74826 b | 9.74826 b | 10.999 b | 1.12834 | 141.37 b | 5.16876 b | 2.3544 b |
| JEFF-3.3 | 9.91196 b | 9.91196 b | 11.184 b | 1.12834 | 144.768 b | 5.4135 b | 2.27156 b |
| JENDL-4.0u | 10.9743 b | 10.9743 b | 12.383 b | 1.12833 | 148.467 b | 5.0618 b | 2.14022 b |
| JENDL/HE-2007 | 10.6445 b | 10.6445 b | 12.011 b | 1.1284 | 143.97 b | 5.05992 b | 2.14022 b |
| BROND-3.1 | 9.79221 b | 9.79221 b | 11.049 b | 1.12834 | 160.567 b | 5.23831 b | 2.2115 b |
| CENDL-3.2 | 10.6445 b | 10.6445 b | 12.011 b | 1.1284 | 143.97 b | 5.10818 b | 2.16267 b |
| TENDL-2019 | 8.23083 b | 8.23083 b | 9.2877 b | 1.1284 | 127.715 b | 5.18751 b | 2.2775 b |

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|--------------------|---|-----------------|
| << 40-Zr-90 | 40-Zr-91 | 40-Zr-96 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zr90 production) | MT22 (n,n+α) >> |



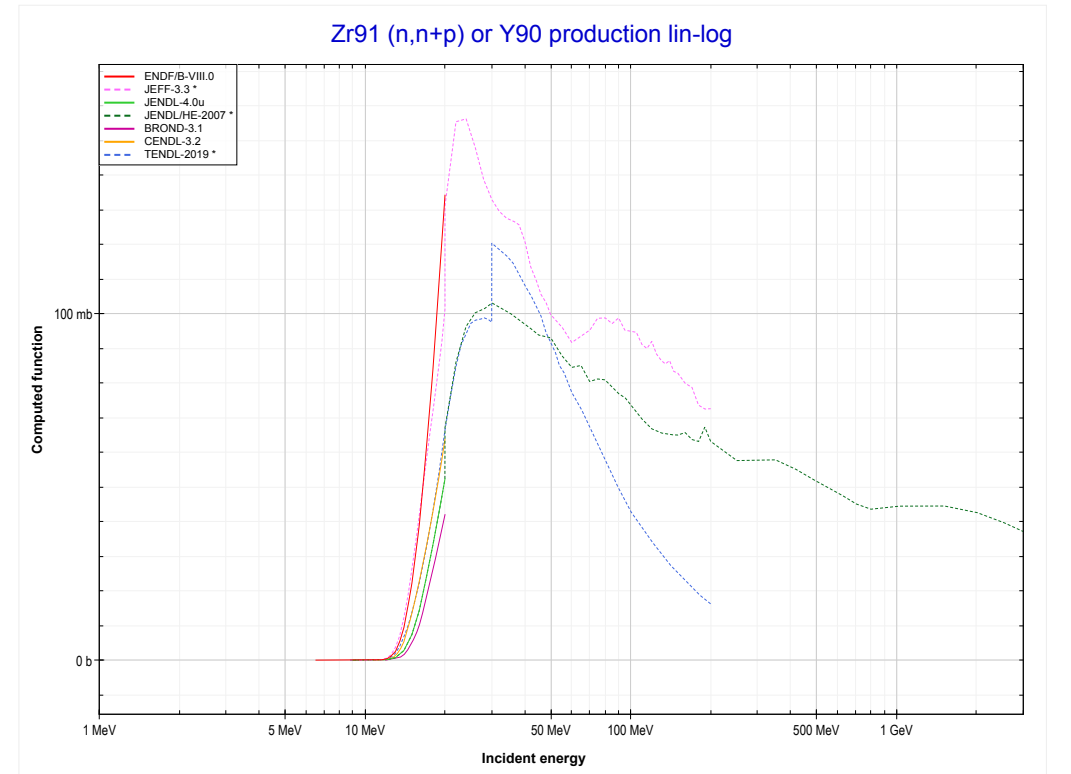
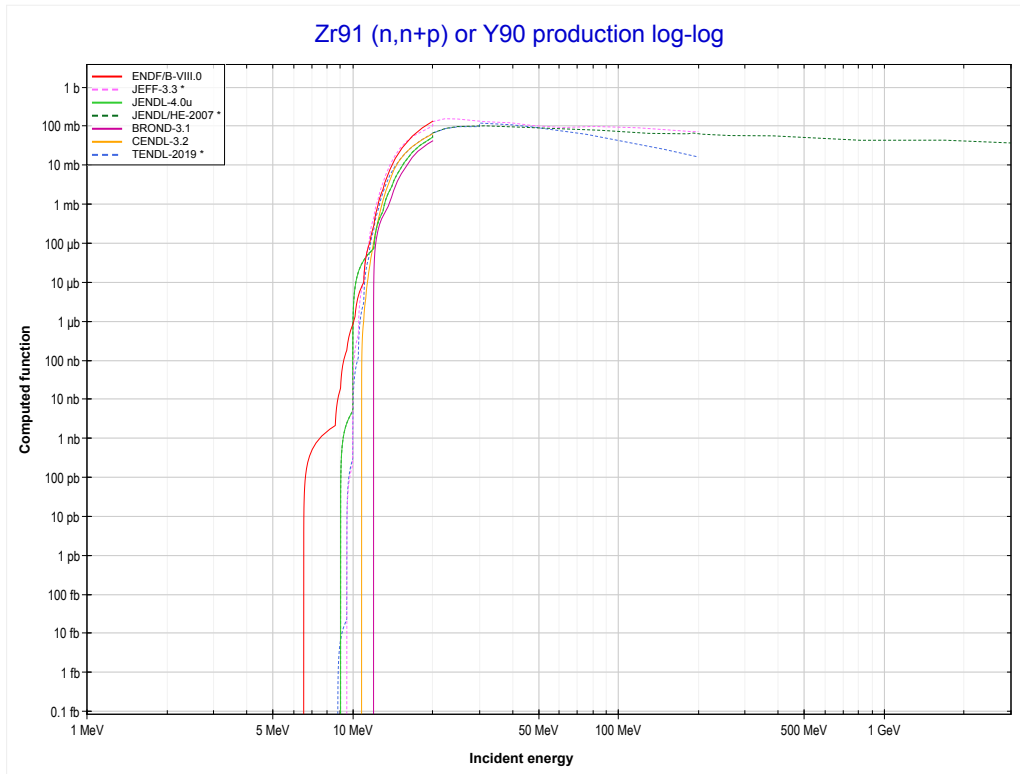
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0033245 b | 1.2138 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00349888 b | 1.22671 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00320603 b | 1.30399 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.003206 b | 1.30399 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00352837 b | 1.2569 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00318922 b | 1.37252 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00345349 b | 1.17785 b |

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|----------------|--|-----------------|
| << 37-Rb-87 | 40-Zr-91 | 40-Zr-96 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Sr87 production) | MT28 (n,n+p) >> |



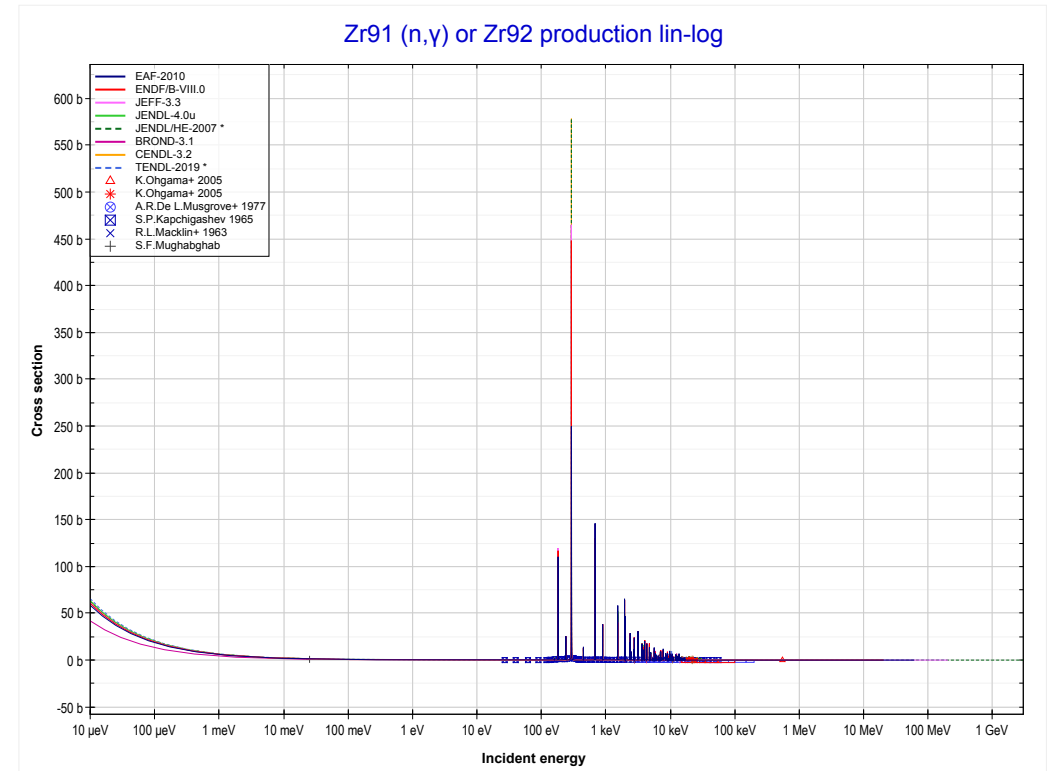
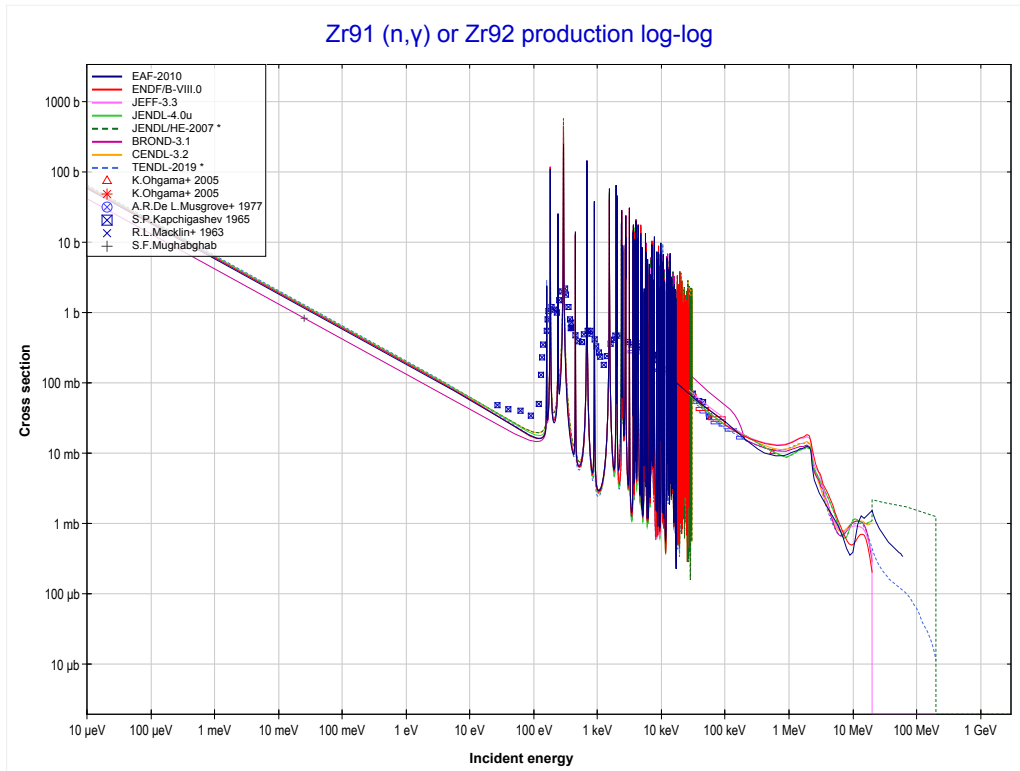
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50347E-7 b | 9.07028E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.0072E-7 b | 1.3853E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.87236E-9 b | 3.77208E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.87197E-9 b | 3.77208E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42031E-8 b | 1.0941E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.91444E-7 b | 2.08576E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.42843E-7 b | 4.60795E-5 b |

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|-----------------|---|----------------|
| << 40-Zr-88 | 40-Zr-91 | 40-Zr-92 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Y90 production) | MT102 (n,γ) >> |



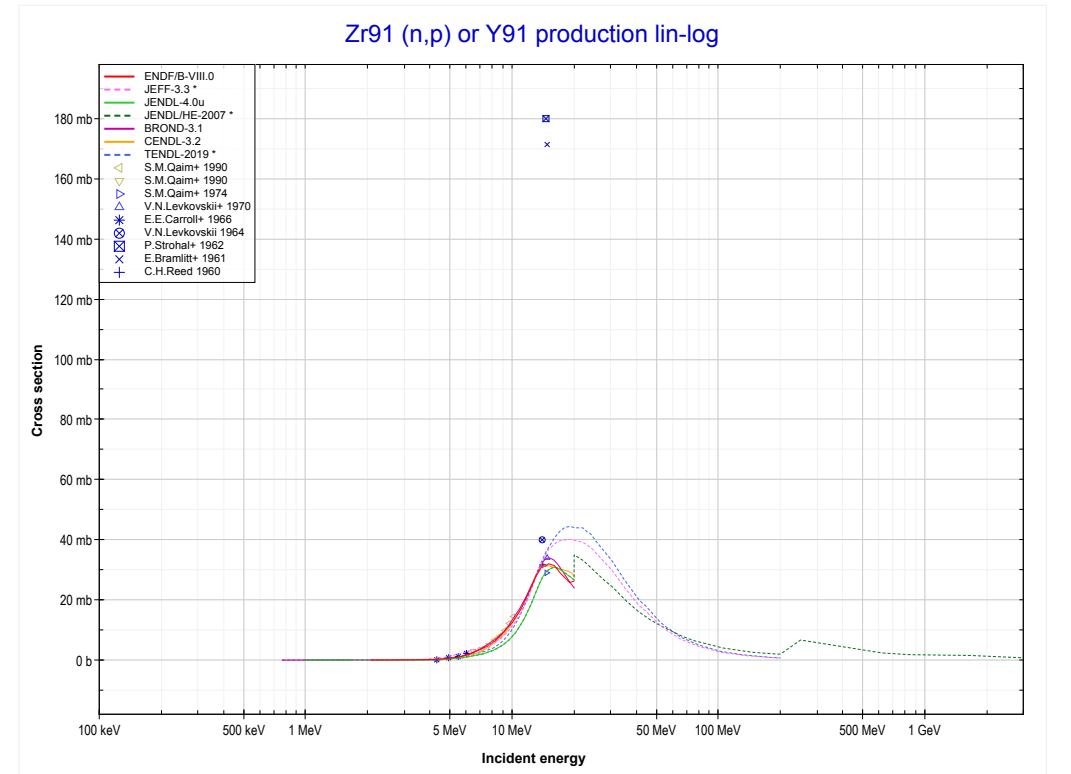
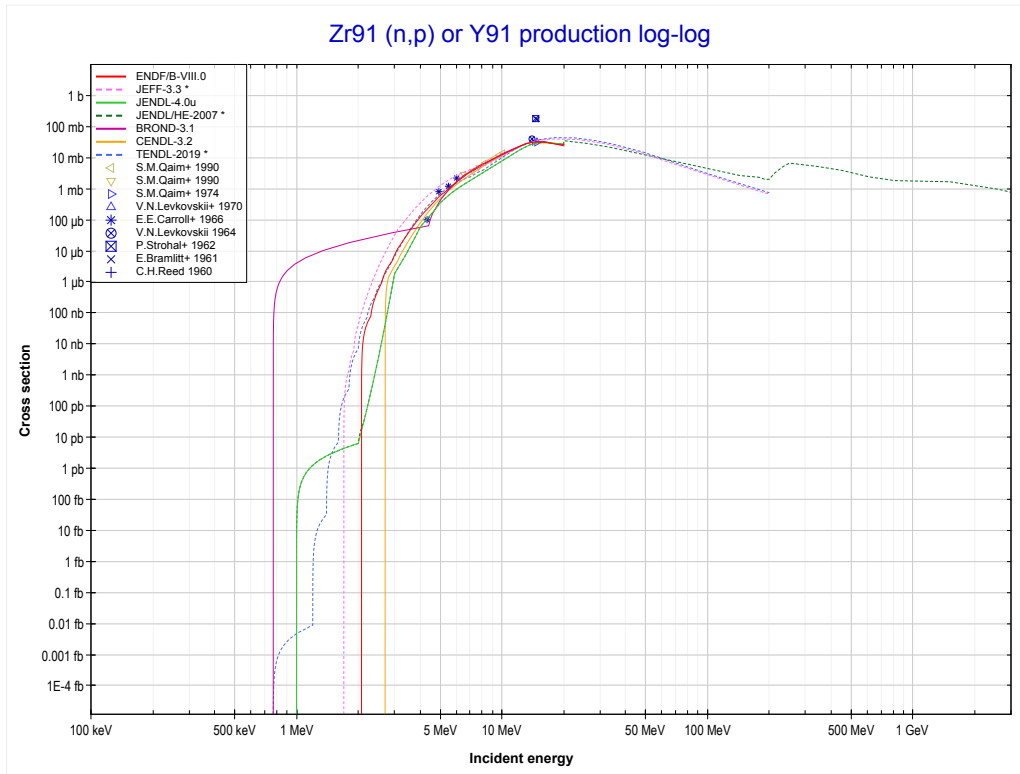
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.48463E-6 b | 0.00927876 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.97678E-6 b | 0.0121637 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.59716E-6 b | 0.00272894 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59708E-6 b | 0.00272894 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06157E-6 b | 0.0015128 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44412E-6 b | 0.00525538 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72821E-6 b | 0.00665094 b |

| | | |
|-----------------|---|----------------|
| << 40-Zr-90 | 40-Zr-91 | 40-Zr-92 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zr92 production) | MT103 (n,p) >> |



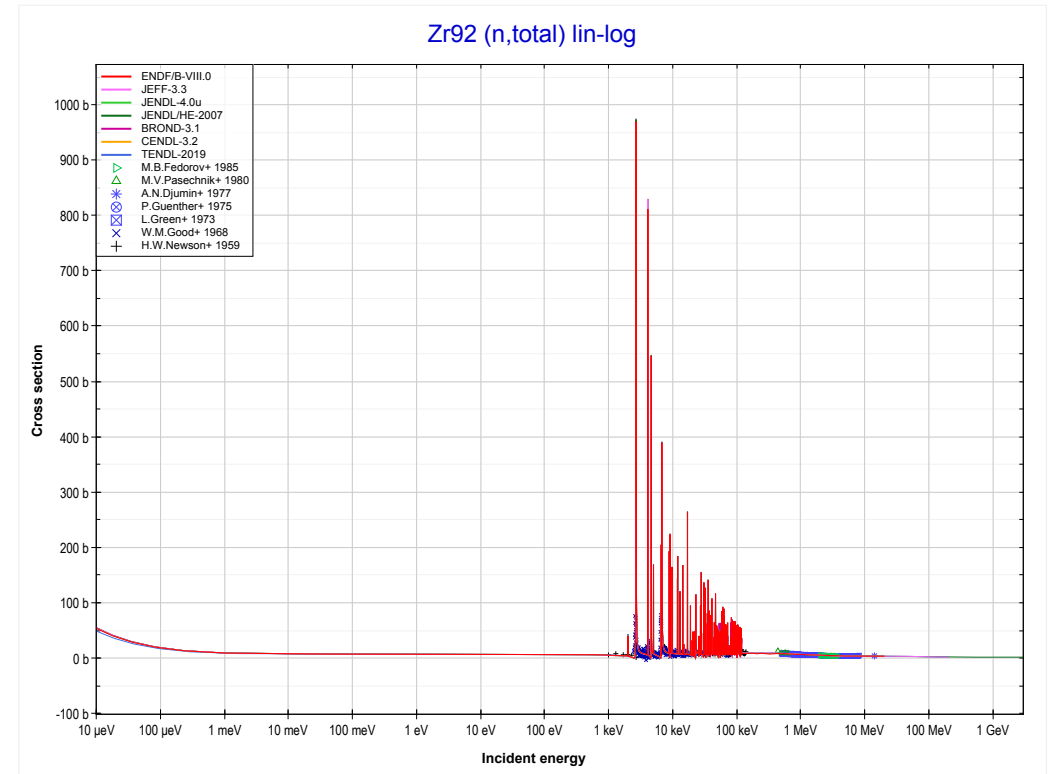
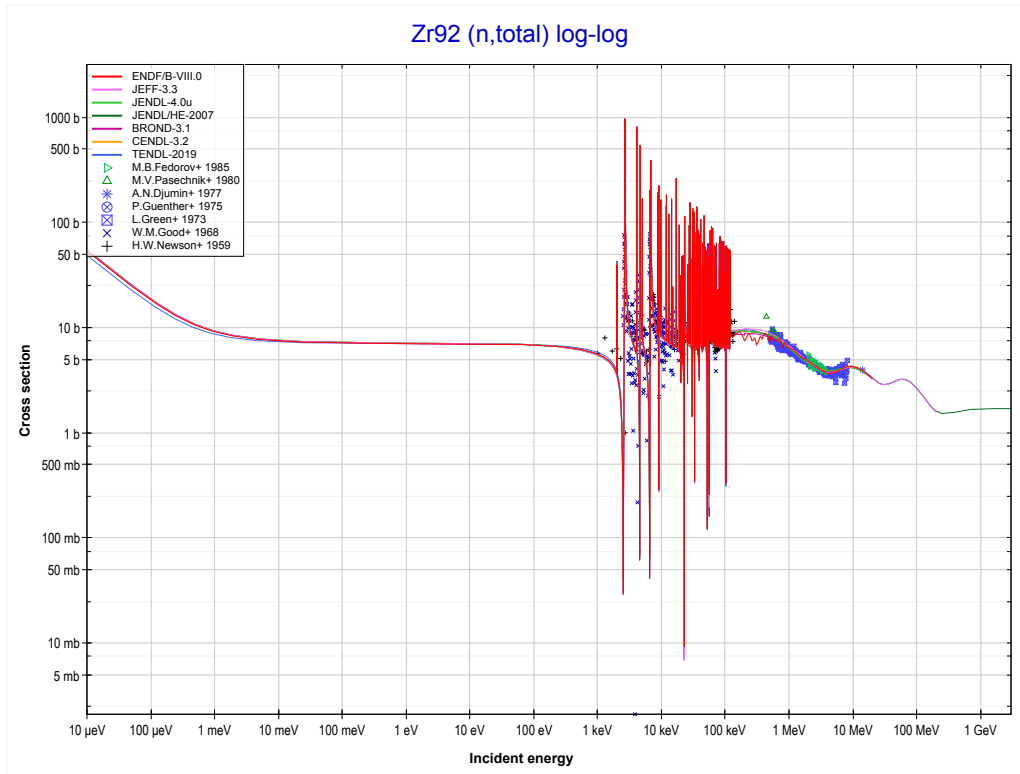
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.16492 b | 1.16405 b | 1.1638 b | 0.99982 | 4.86539 b | 0.00875219 b | 0.00123863 b |
| ENDF/B-VIII.0 | 1.20543 b | 1.20543 b | 1.2058 b | 1.00033 | 5.77533 b | 0.0120098 b | 6.96272E-4 b |
| JEFF-3.3 | 1.21603 b | 1.21603 b | 1.2164 b | 1.00033 | 6.00956 b | 0.0119029 b | 8.49291E-4 b |
| JENDL-4.0u | 1.2612 b | 1.2612 b | 1.2616 b | 1.00035 | 5.68192 b | 0.00914857 b | 0.001002 b |
| JENDL/HE-2007 | 1.2474 b | 1.2474 b | 1.2474 b | 1.00003 | 6.88771 b | 0.00918927 b | 0.001002 b |
| BROND-3.1 | 0.832575 b | 0.832575 b | 0.83289 b | 1.00037 | 5.99307 b | 0.0104616 b | 0.0010231 b |
| CENDL-3.2 | 1.2474 b | 1.2474 b | 1.2474 b | 1.00003 | 6.88771 b | 0.010136 b | 0.00107635 b |
| TENDL-2019 | 1.30419 b | 1.30419 b | 1.3042 b | 1 | 5.69235 b | 0.00995726 b | 9.55207E-4 b |

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|-------------------------|--|---------------------------|
| << 40-Zr-90 | 40-Zr-91 | 40-Zr-92 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Y91 production) | 40-Zr-92 MT1 (n,total) >> |



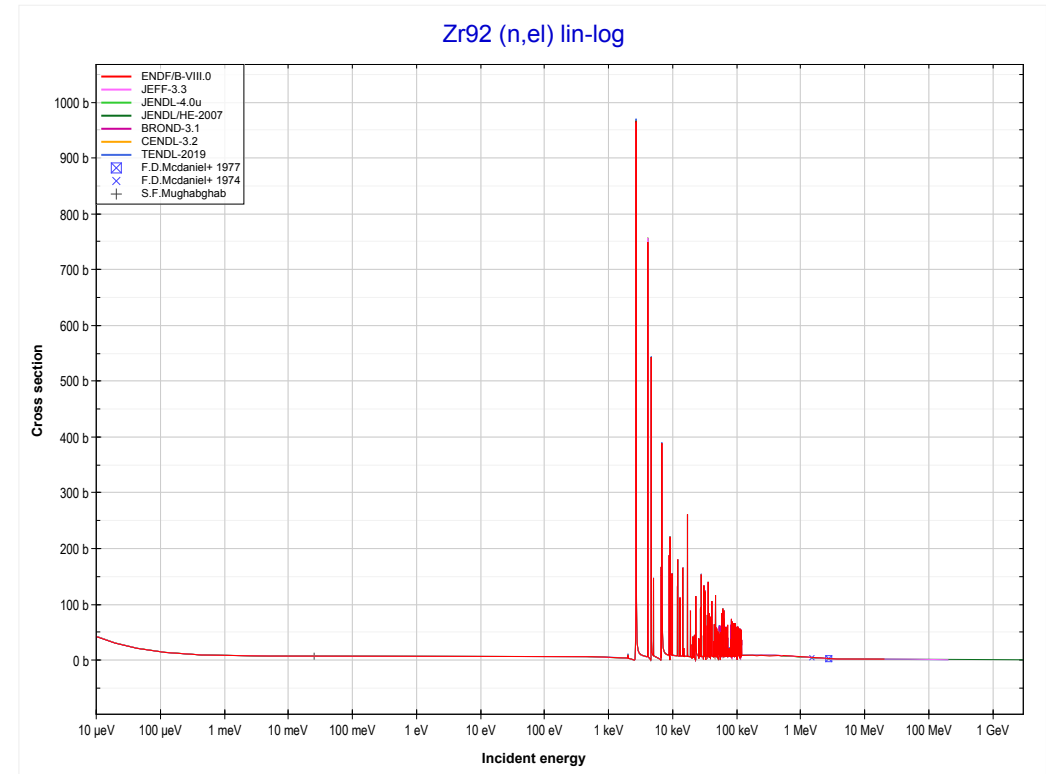
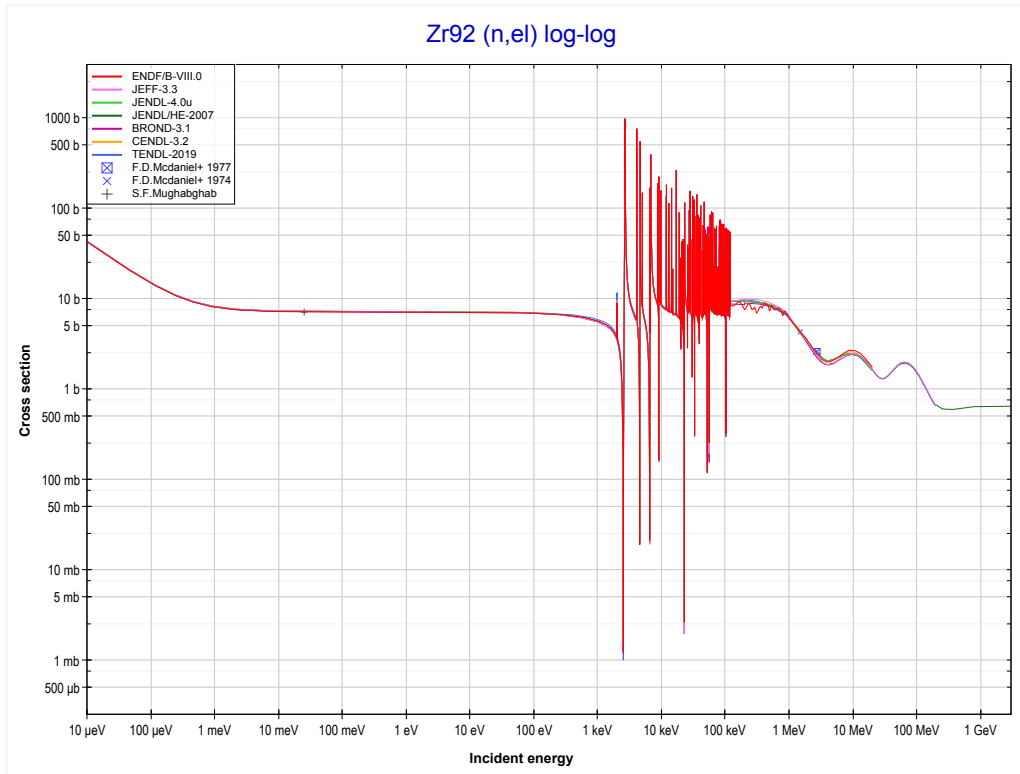
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.11062E-4 b | 0.0313944 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73896E-4 b | 0.0327198 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.19575E-4 b | 0.0273774 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19555E-4 b | 0.0273774 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03972E-4 b | 0.0324 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79803E-4 b | 0.0312967 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.77344E-4 b | 0.0332029 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 40-Zr-91 | 40-Zr-92 | 40-Zr-94 >> |
| << 40-Zr-91 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



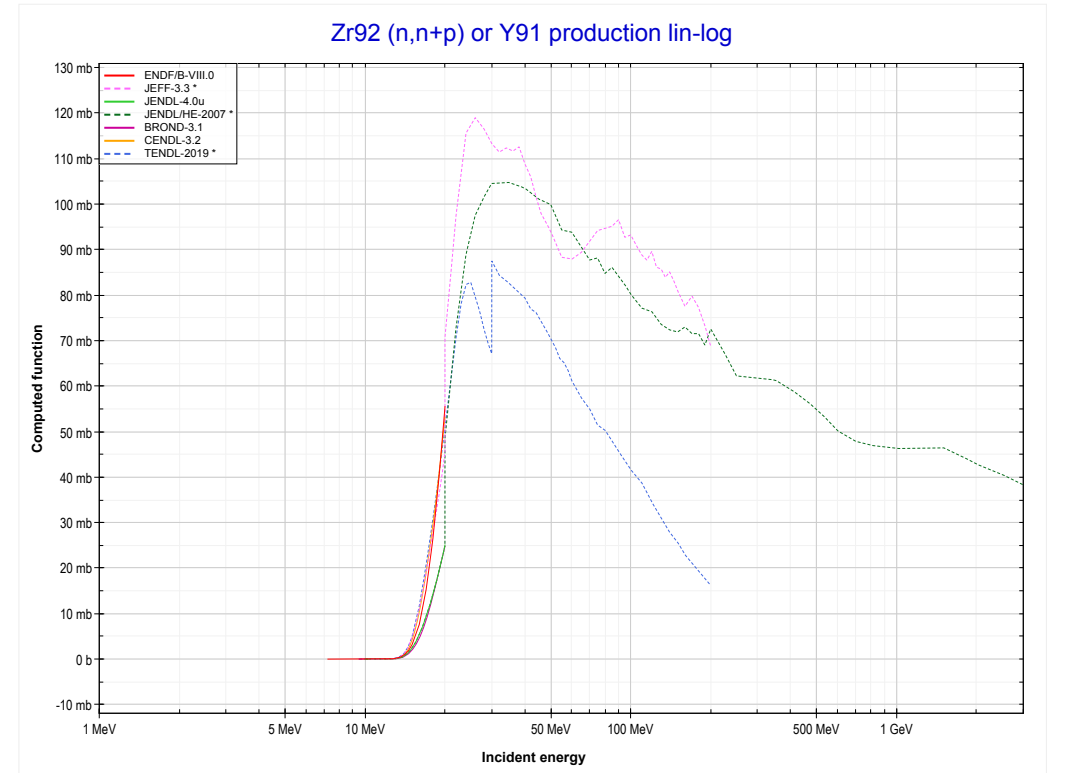
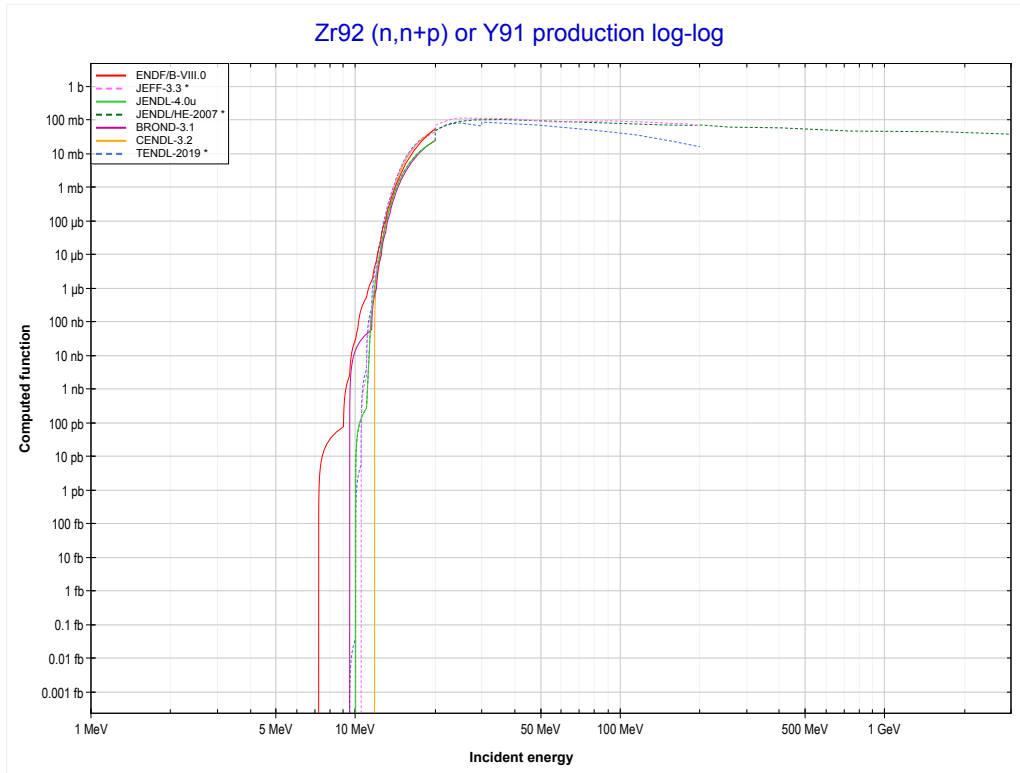
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.29084 b | 7.29084 b | 8.1977 b | 1.12439 | 114.14 b | 5.7111 b | 3.94446 b |
| JEFF-3.3 | 7.3784 b | 7.3784 b | 8.2961 b | 1.12438 | 113.525 b | 5.92806 b | 3.9572 b |
| JENDL-4.0u | 7.3784 b | 7.3784 b | 8.2961 b | 1.12438 | 113.525 b | 5.76348 b | 3.8459 b |
| JENDL/HE-2007 | 7.37834 b | 7.37834 b | 8.2965 b | 1.12444 | 113.549 b | 5.76443 b | 3.8459 b |
| BROND-3.1 | 7.3221 b | 7.3221 b | 8.2287 b | 1.12382 | 114.138 b | 5.66587 b | 3.91312 b |
| CENDL-3.2 | 7.37834 b | 7.37834 b | 8.2965 b | 1.12444 | 113.548 b | 5.83897 b | 3.92633 b |
| TENDL-2019 | 7.19649 b | 7.19649 b | 8.104 b | 1.1261 | 115.313 b | 5.78463 b | 3.95732 b |

| | | |
|------------------|------------------------|-----------------|
| << 40-Zr-91 | 40-Zr-92 | 40-Zr-94 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



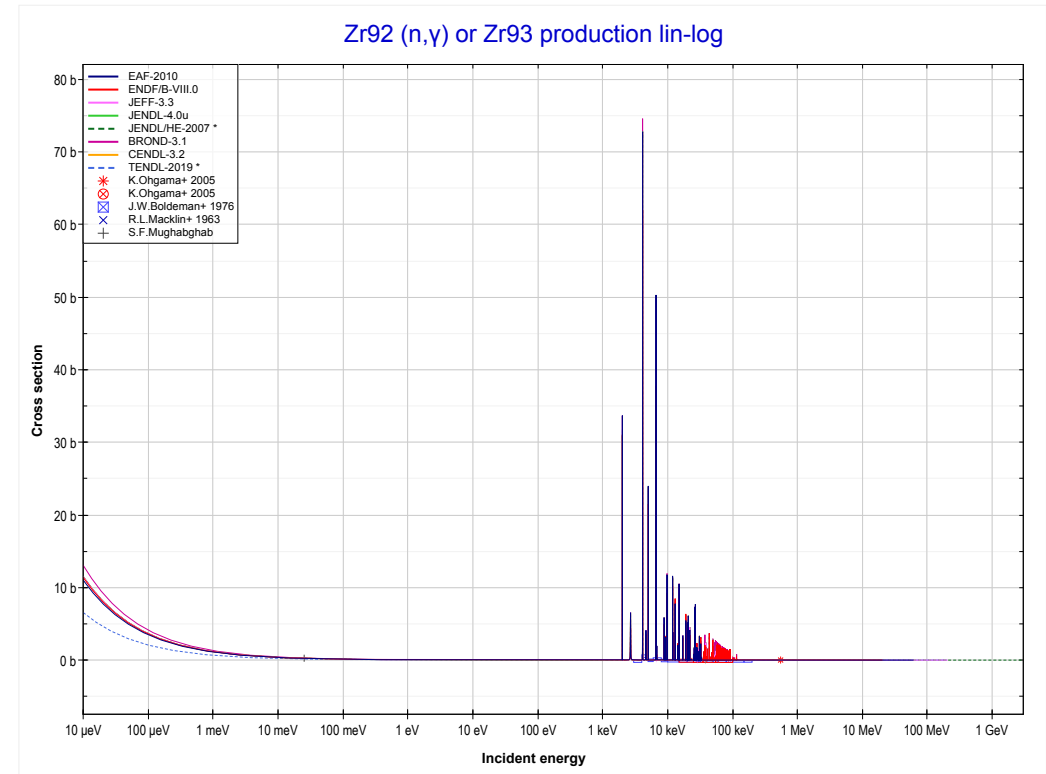
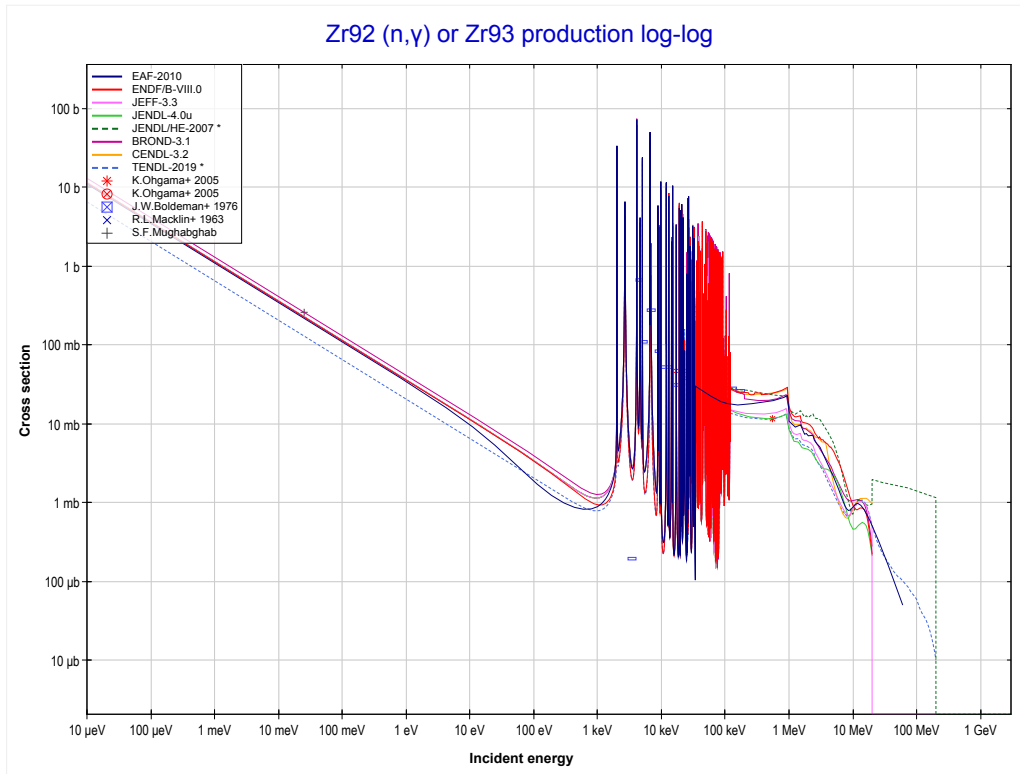
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.06444 b | 7.06444 b | 7.9712 b | 1.12836 | 113.622 b | 4.71259 b | 2.354 b |
| JEFF-3.3 | 7.14916 b | 7.14916 b | 8.0668 b | 1.12836 | 112.904 b | 4.87533 b | 2.21749 b |
| JENDL-4.0u | 7.14916 b | 7.14916 b | 8.0668 b | 1.12836 | 112.91 b | 4.77952 b | 2.10878 b |
| JENDL/HE-2007 | 7.14916 b | 7.14916 b | 8.0673 b | 1.12842 | 112.923 b | 4.7707 b | 2.10832 b |
| BROND-3.1 | 7.06226 b | 7.06226 b | 7.9688 b | 1.12836 | 113.495 b | 4.63031 b | 2.2138 b |
| CENDL-3.2 | 7.14916 b | 7.14916 b | 8.0673 b | 1.12842 | 112.923 b | 4.78499 b | 2.19746 b |
| TENDL-2019 | 7.06616 b | 7.06616 b | 7.9737 b | 1.12843 | 114.833 b | 4.75137 b | 2.21152 b |

| | | |
|--------------------|---|-------------------------|
| << 40-Zr-91 | 40-Zr-92 | 40-Zr-94 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Y91 production) | MT102 (n, γ) >> |



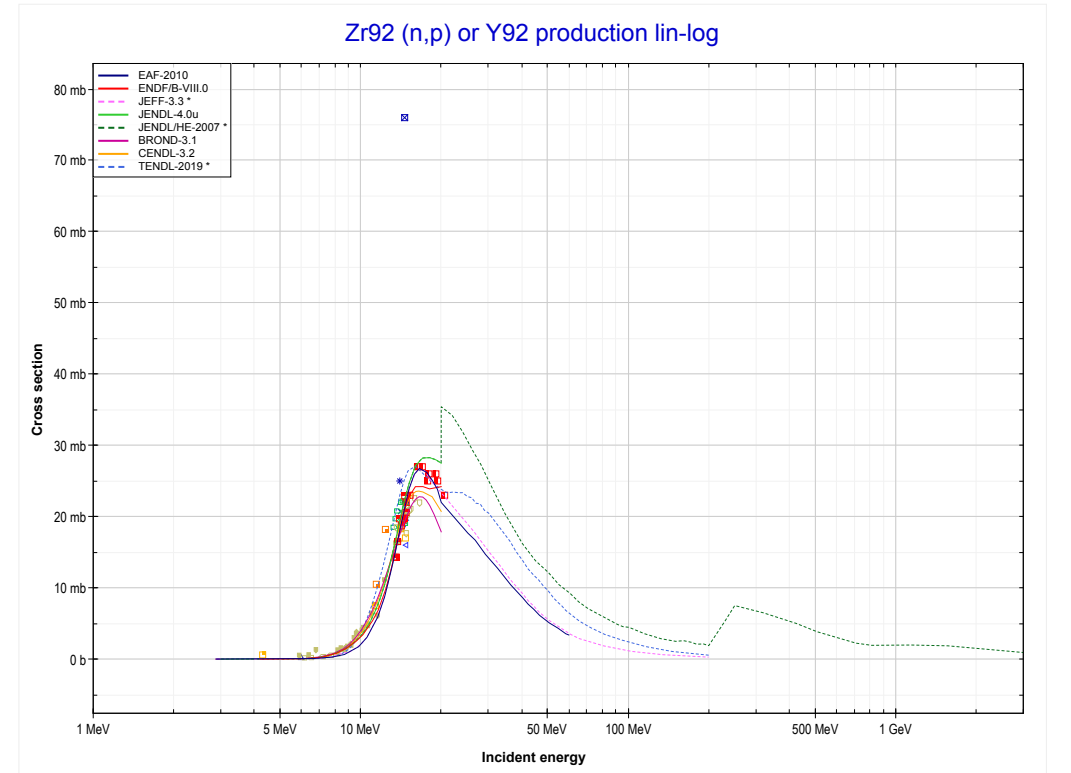
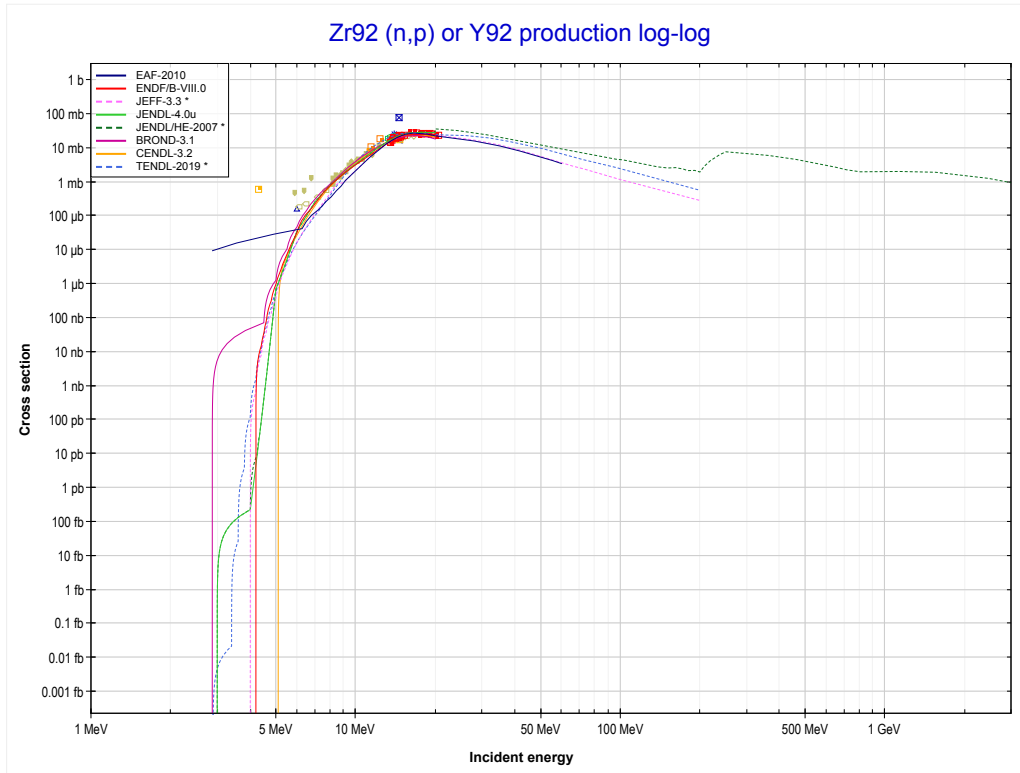
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.10549E-7 b | 8.57316E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.9285E-7 b | 0.00112976 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.0619E-7 b | 6.76092E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.06064E-7 b | 6.76092E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.43792E-7 b | 4.75158E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.3775E-7 b | 8.69883E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07682E-6 b | 0.00119468 b |

| | | |
|-----------------|---|----------------|
| << 40-Zr-91 | 40-Zr-92 | 40-Zr-93 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zr93 production) | MT103 (n,p) >> |



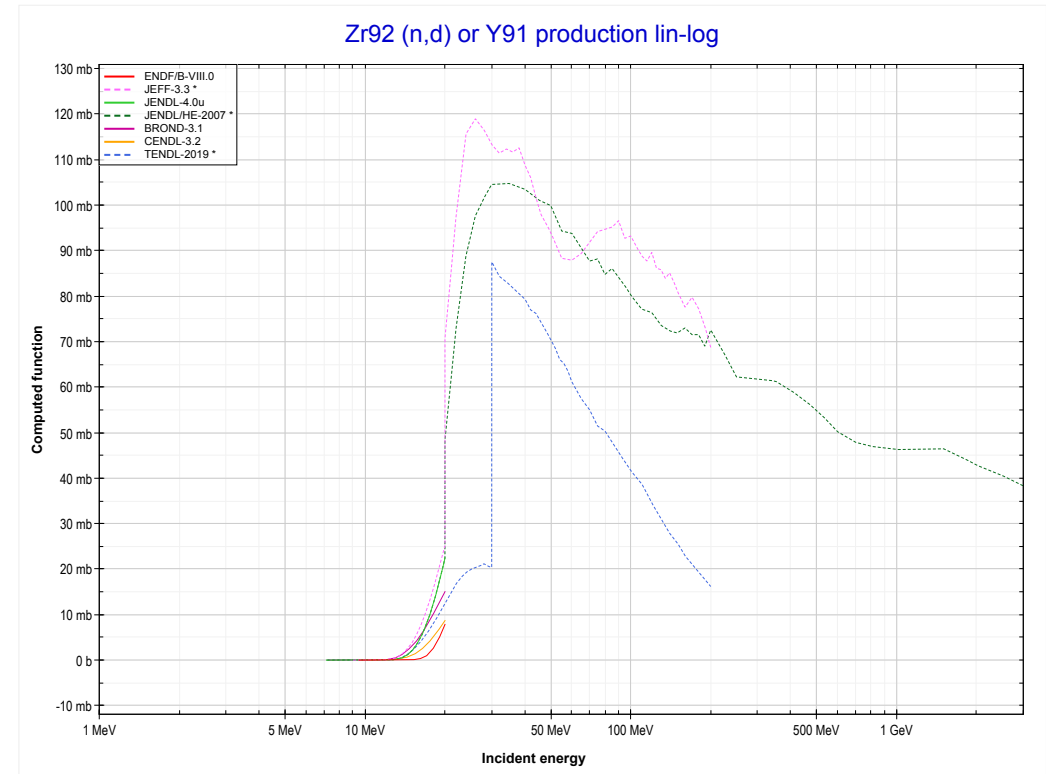
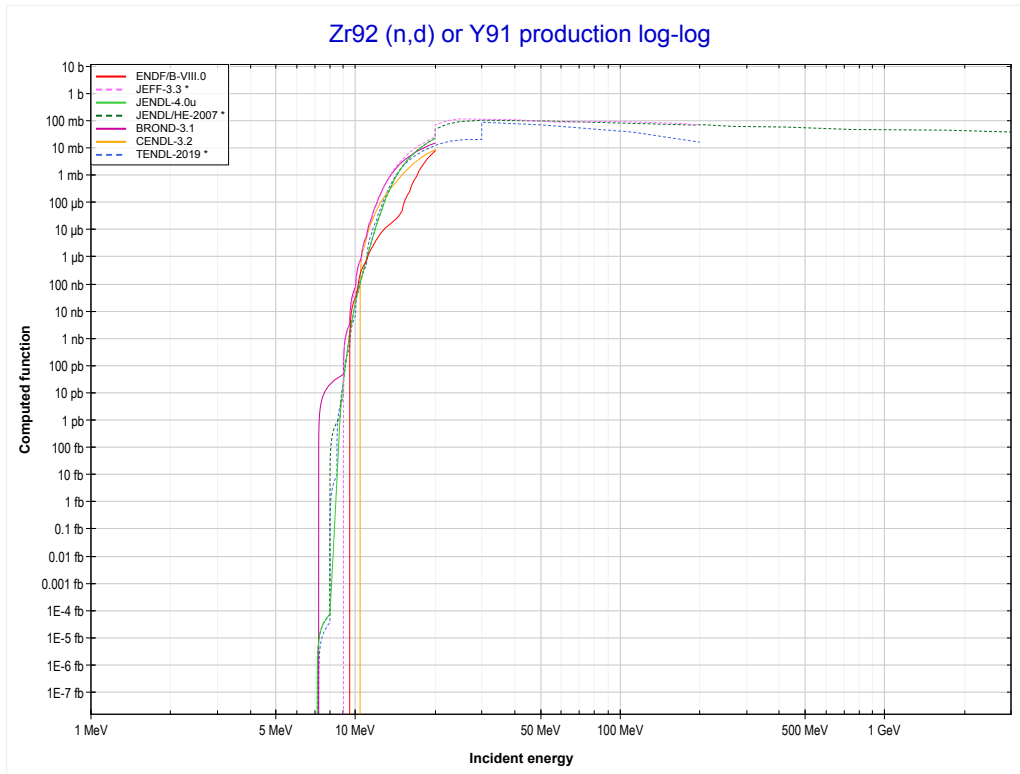
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.219237 b | 0.219073 b | 0.219 b | 0.99967 | 0.607079 b | 0.010707 b | 8.82778E-4 b |
| ENDF/B-VIII.0 | 0.2264 b | 0.2264 b | 0.22648 b | 1.00037 | 0.51797 b | 0.0138988 b | 8.57804E-4 b |
| JEFF-3.3 | 0.229238 b | 0.229238 b | 0.22932 b | 1.00037 | 0.620695 b | 0.00806977 b | 0.00103263 b |
| JENDL-4.0u | 0.229238 b | 0.229238 b | 0.22932 b | 1.00037 | 0.615582 b | 0.00692791 b | 5.602E-4 b |
| JENDL/HE-2007 | 0.229176 b | 0.229176 b | 0.22918 b | 1.00004 | 0.620334 b | 0.0152847 b | 0.00102002 b |
| BROND-3.1 | 0.259842 b | 0.259842 b | 0.25994 b | 1.00038 | 0.642972 b | 0.0116333 b | 0.00103531 b |
| CENDL-3.2 | 0.229176 b | 0.229176 b | 0.22918 b | 1.00004 | 0.620334 b | 0.0129209 b | 0.0011281 b |
| TENDL-2019 | 0.130331 b | 0.130331 b | 0.13034 b | 1.00005 | 0.465614 b | 0.00691415 b | 0.00107767 b |

| | | |
|-------------------------|--|----------------|
| << 40-Zr-91 | 40-Zr-92 | 40-Zr-94 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Y92 production) | MT104 (n,d) >> |



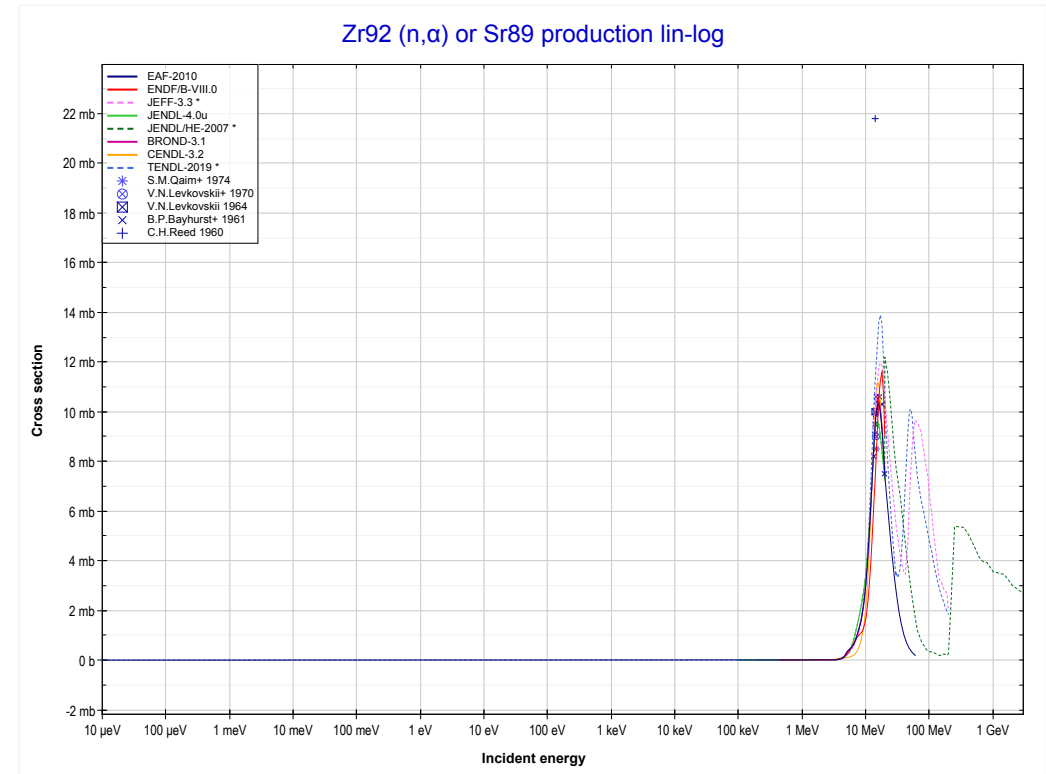
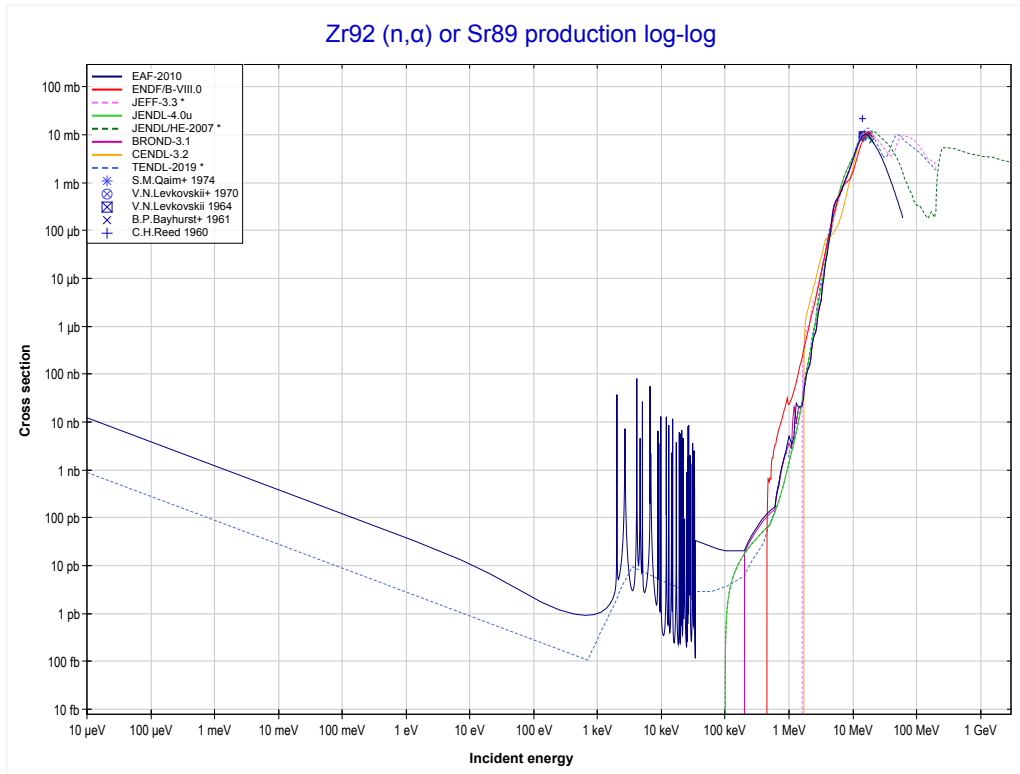
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.25885E-5 b | 0.0180915 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.81206E-5 b | 0.0180757 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.08234E-5 b | 0.0180915 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.96185E-5 b | 0.0195775 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.96259E-5 b | 0.0195775 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35103E-5 b | 0.0175299 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98346E-5 b | 0.0187478 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89197E-5 b | 0.0230144 b |

| | | |
|----------------|--|-------------------------|
| << 40-Zr-90 | 40-Zr-92 | 40-Zr-94 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Y91 production) | MT107 (n, α) >> |



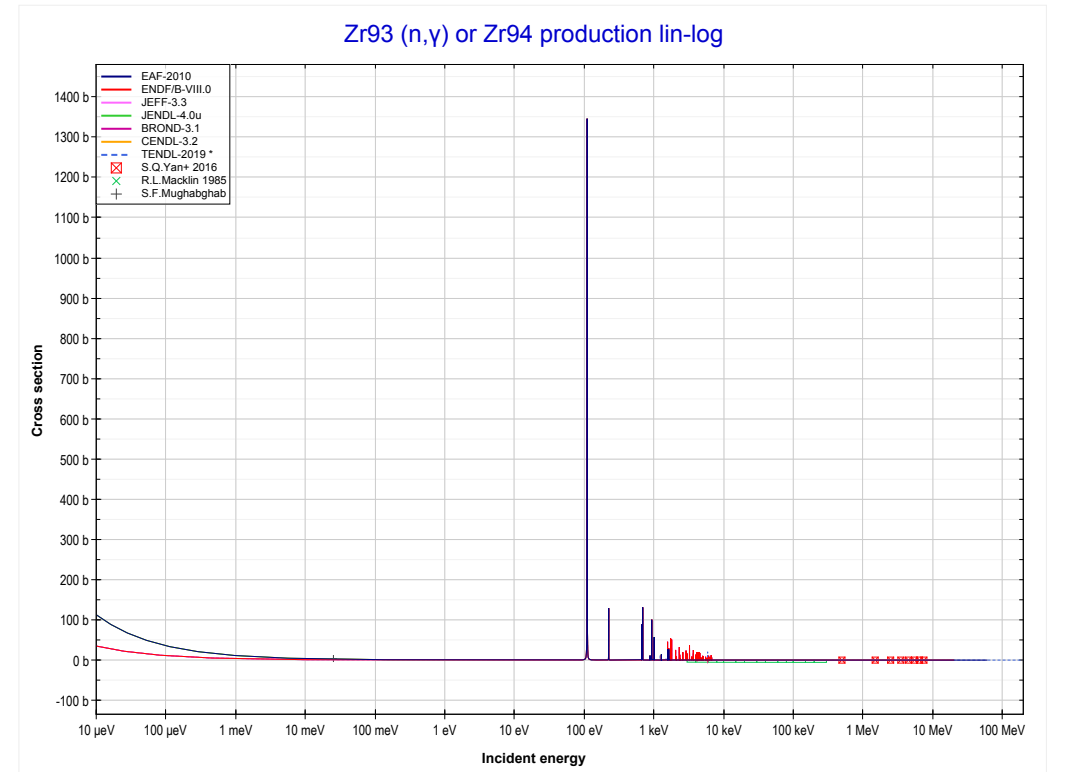
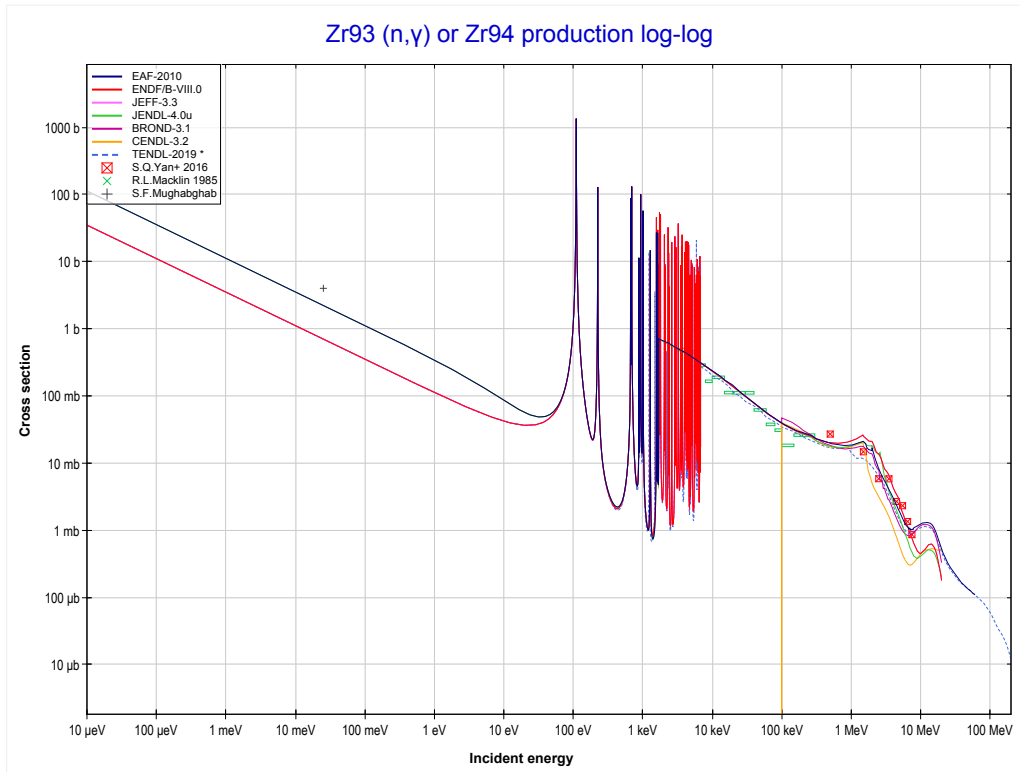
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.26084E-8 b | 2.097E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.08021E-7 b | 0.00165795 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.54724E-7 b | 6.92226E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.54639E-7 b | 6.92226E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.42983E-7 b | 0.00148609 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.57717E-7 b | 4.72837E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.93659E-7 b | 7.71012E-4 b |

| | | |
|----------------|---|----------------------------------|
| << 40-Zr-90 | 40-Zr-92 | 40-Zr-94 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Sr89 production) | 40-Zr-93 MT102 (n, γ) >> |



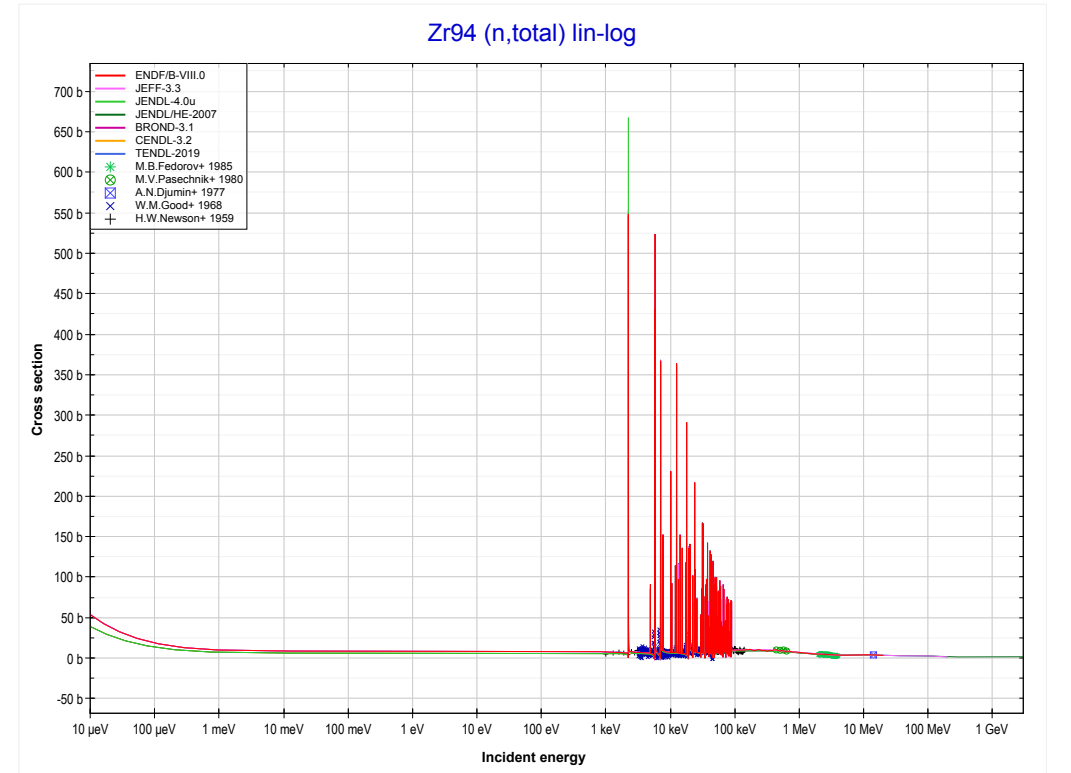
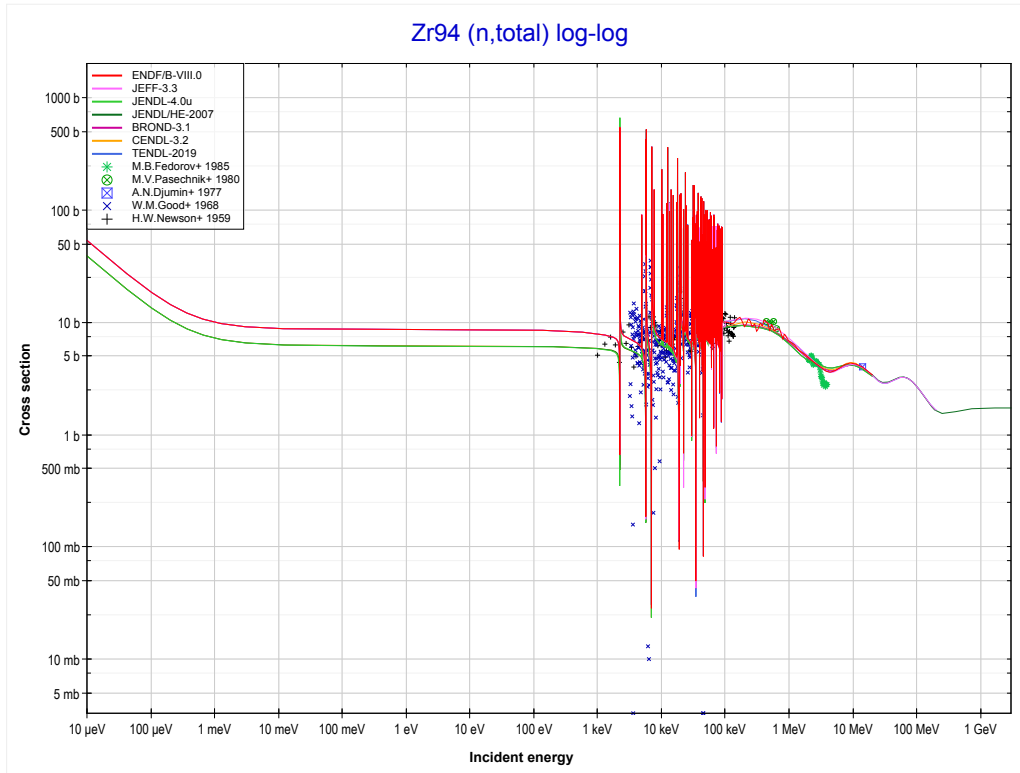
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.4319E-10 b | 2.43008E-10 b | 2.4293E-10 b | 0.99967 | 6.73404E-10 b | 5.84332E-5 b | 0.0093552 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.07243E-5 b | 0.00712518 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.35319E-5 b | 0.00978608 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.44125E-5 b | 0.00921679 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.44114E-5 b | 0.00921679 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.03002E-5 b | 0.00927385 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.47216E-5 b | 0.00994046 b |
| TENDL-2019 | 1.7565E-11 b | 1.7565E-11 b | 1.7555E-11 b | 0.99941 | 2.61028E-11 b | 5.99885E-5 b | 0.0111119 b |

| | | |
|----------------------------------|---|---------------------------|
| << 40-Zr-92 | 40-Zr-93 | 40-Zr-94 >> |
| << 40-Zr-92 MT107 (n, α) | MT102 (n,γ) or MT5 (Zr94 production) | 40-Zr-94 MT1 (n,total) >> |



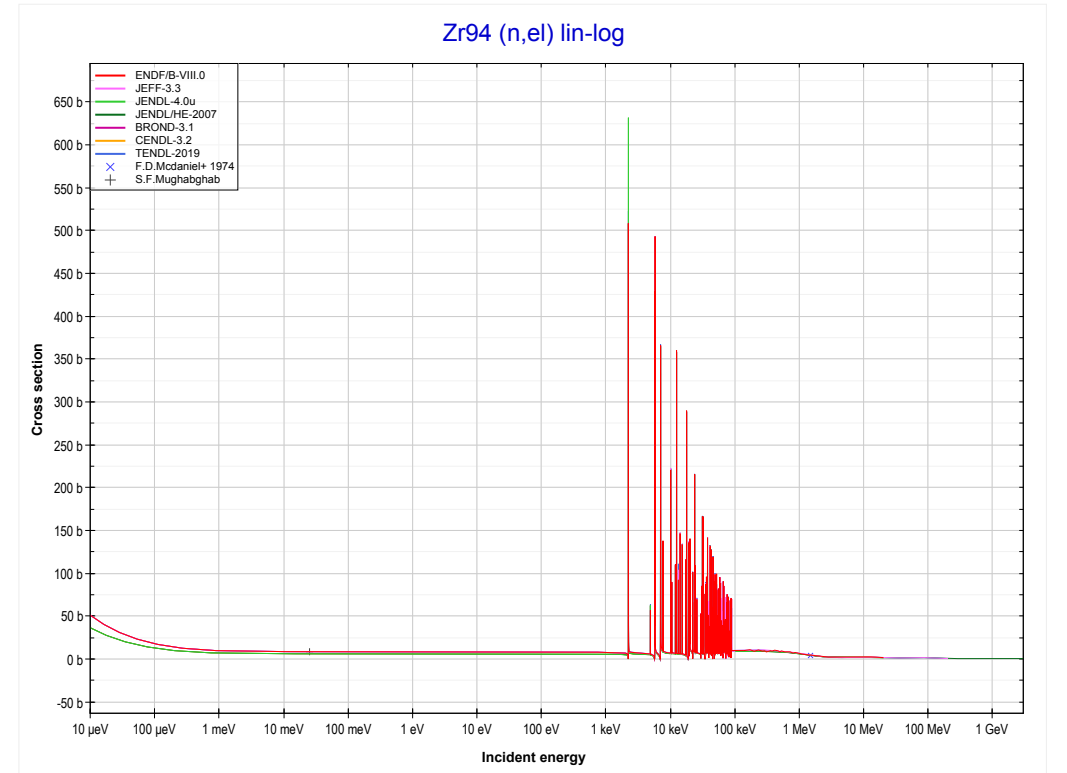
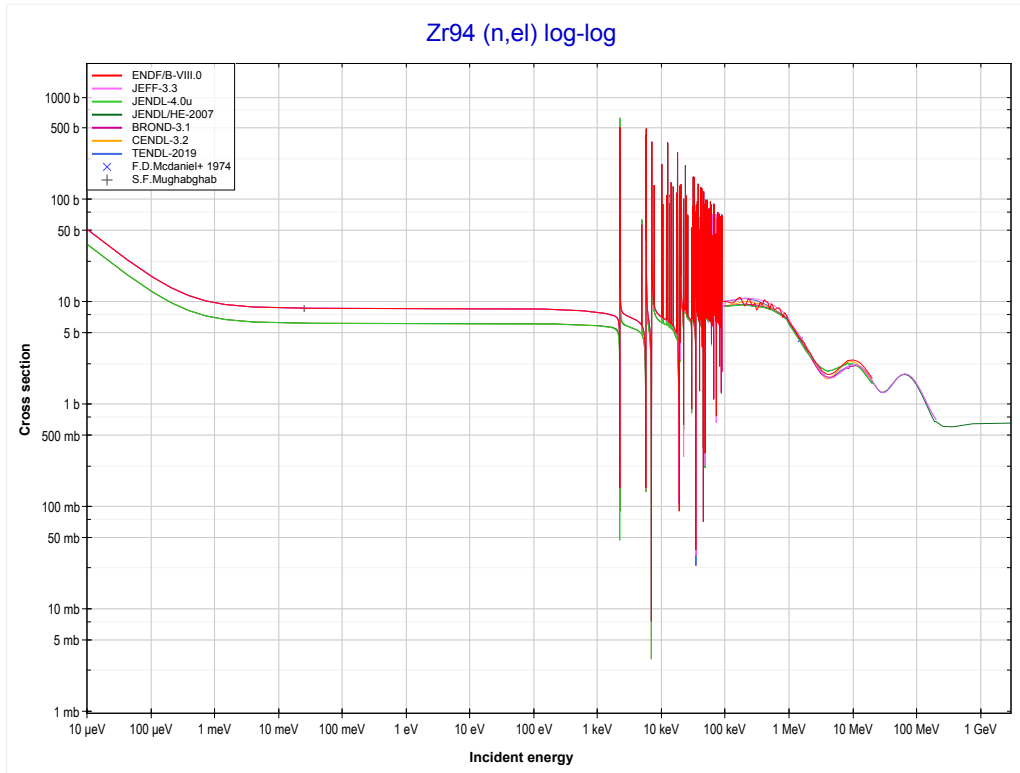
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.23897 b | 2.23734 b | 2.2363 b | 0.99958 | 18.1383 b | 0.0151585 b | 0.00126128 b |
| ENDF/B-VIII.0 | 0.695094 b | 0.695094 b | 0.69551 b | 1.00061 | 17.7682 b | 0.0178205 b | 6.26386E-4 b |
| JEFF-3.3 | 0.695094 b | 0.695094 b | 0.69551 b | 1.00061 | 17.7682 b | 0.0178205 b | 6.26386E-4 b |
| JENDL-4.0u | 2.23936 b | 2.23936 b | 2.2392 b | 0.99991 | 18.1327 b | 0.0155662 b | 5.086E-4 b |
| BROND-3.1 | 0.695094 b | 0.695094 b | 0.69551 b | 1.00061 | 17.7682 b | 0.0138485 b | 0.00114484 b |
| CENDL-3.2 | 2.23894 b | 2.23894 b | 2.2379 b | 0.99954 | 18.1224 b | 0.0121287 b | 5.3164E-4 b |
| TENDL-2019 | 0.691223 b | 0.691223 b | 0.69141 b | 1.00027 | 17.4808 b | 0.011536 b | 0.00107257 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << 40-Zr-93 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



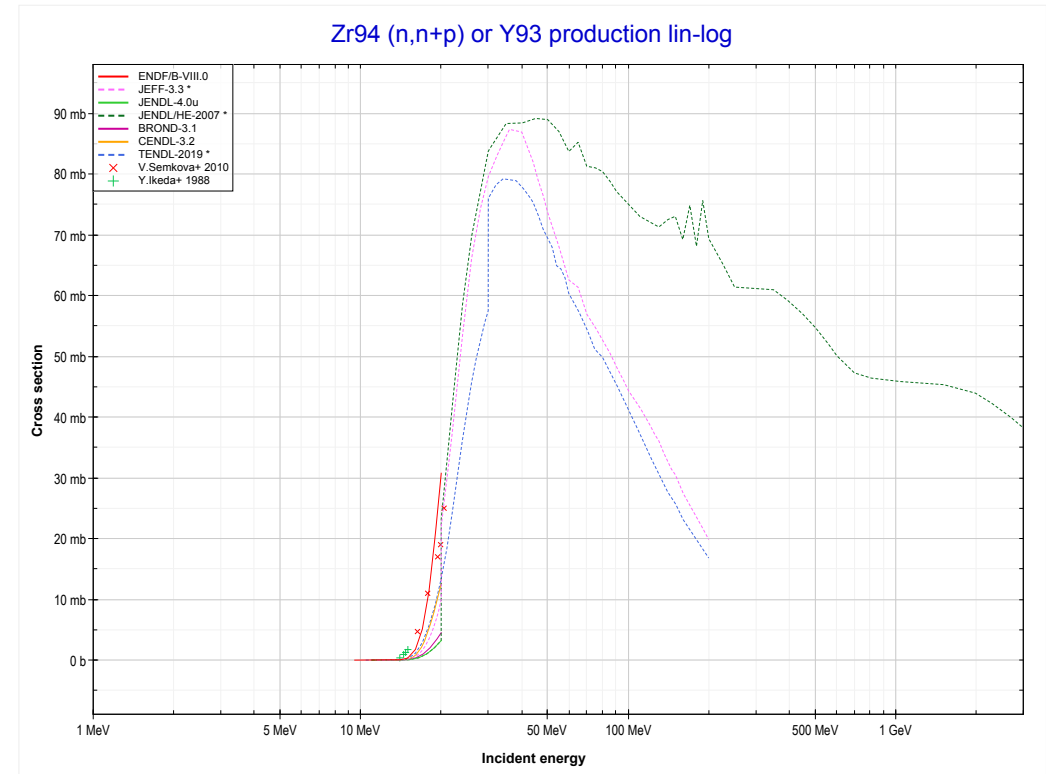
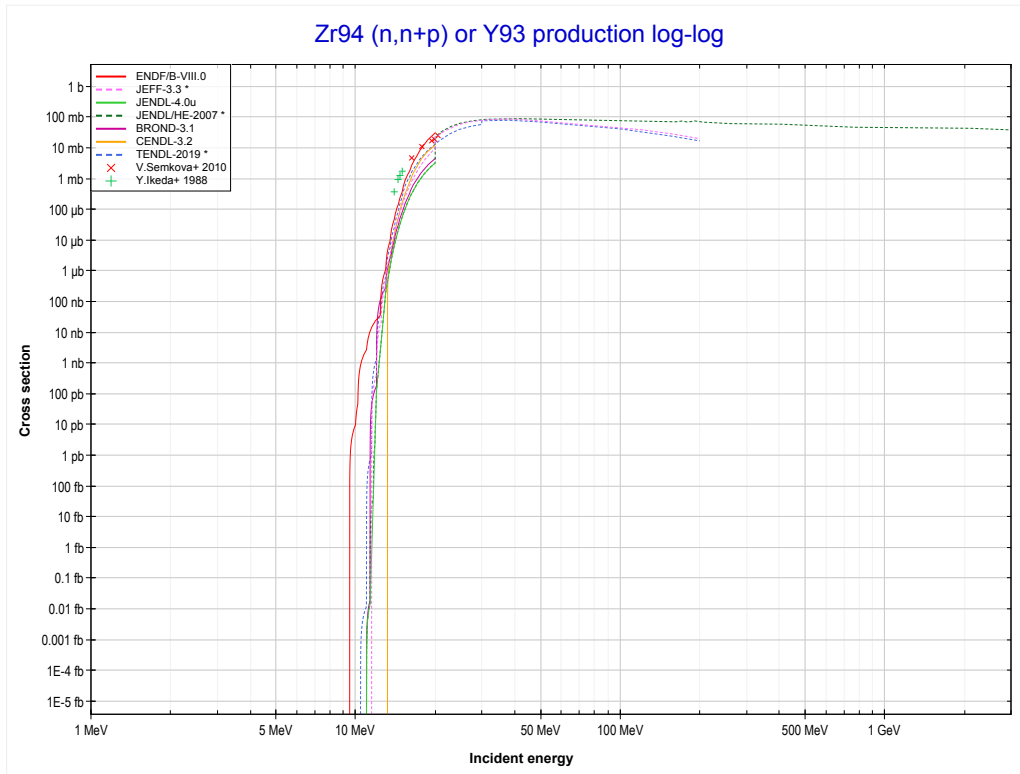
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.70783 b | 8.70783 b | 9.8192 b | 1.12763 | 113.76 b | 6.07942 b | 4.01712 b |
| JEFF-3.3 | 8.70831 b | 8.70831 b | 9.8198 b | 1.12763 | 113.49 b | 6.27886 b | 3.9909 b |
| JENDL-4.0u | 6.21729 b | 6.21729 b | 7.0089 b | 1.12732 | 89.6047 b | 5.76137 b | 3.8459 b |
| JENDL/HE-2007 | 6.23483 b | 6.23483 b | 7.0292 b | 1.12741 | 89.3856 b | 5.76227 b | 3.8459 b |
| BROND-3.1 | 8.70831 b | 8.70831 b | 9.8198 b | 1.12763 | 113.49 b | 5.8741 b | 3.96953 b |
| CENDL-3.2 | 6.23483 b | 6.23483 b | 7.0292 b | 1.12741 | 89.3856 b | 5.95972 b | 3.96007 b |
| TENDL-2019 | 8.70913 b | 8.70913 b | 9.8211 b | 1.12768 | 113.75 b | 6.1109 b | 3.99094 b |

| | | |
|------------------|------------------------|-----------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



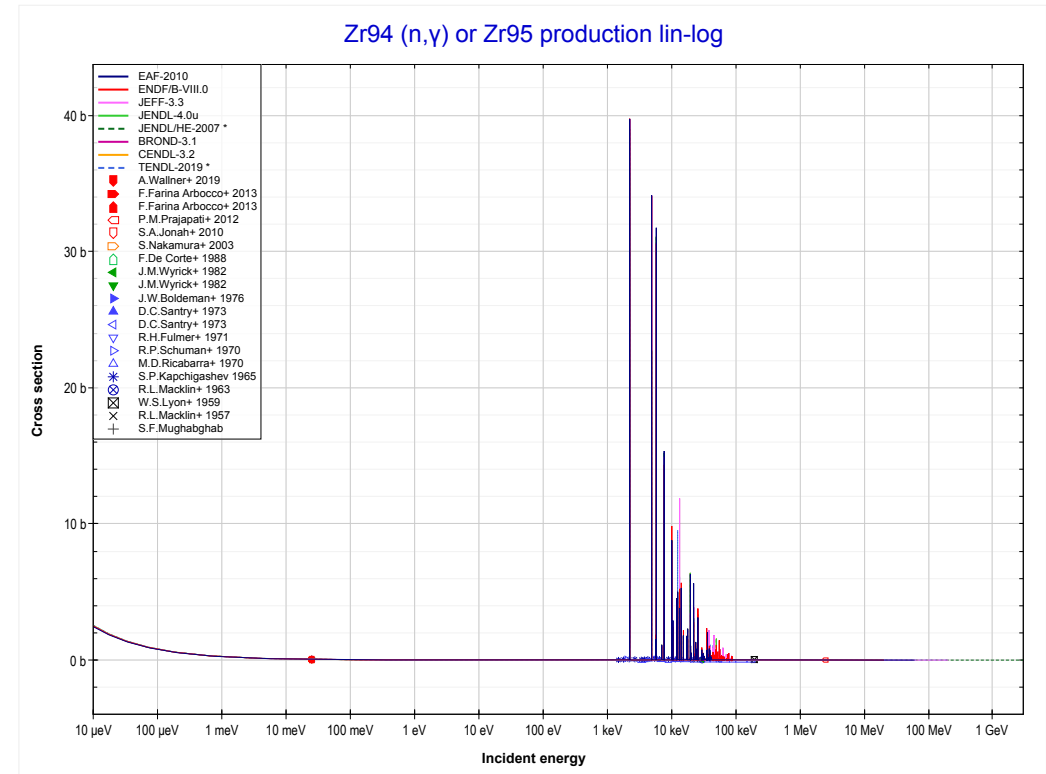
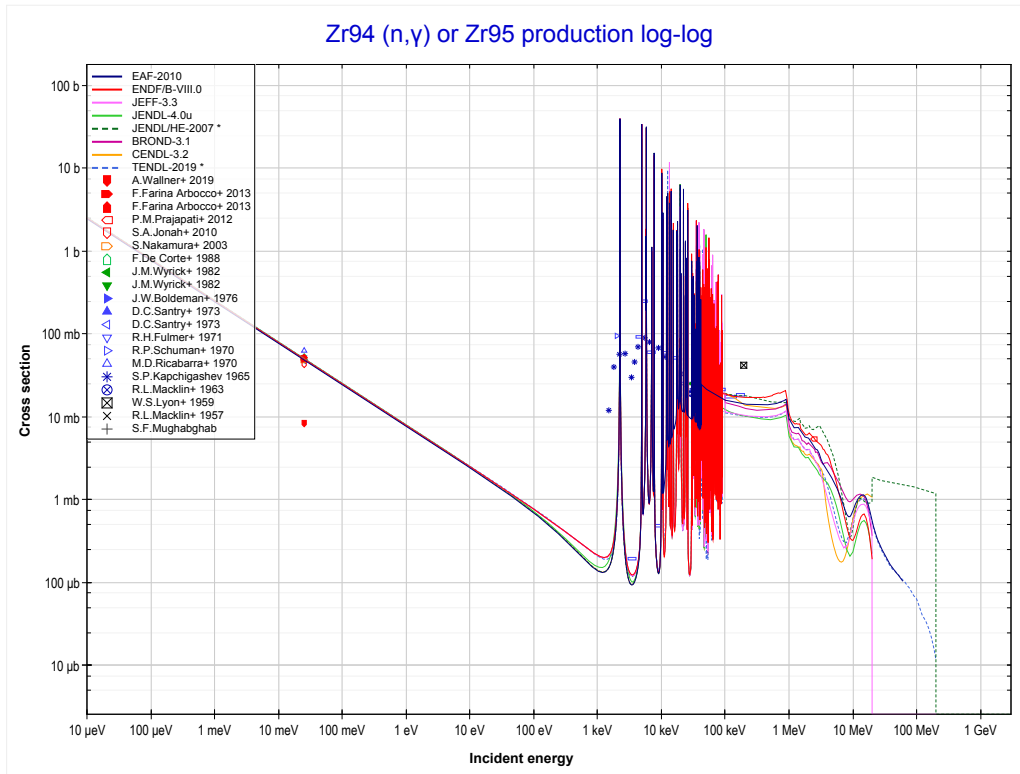
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.65787 b | 8.65787 b | 9.7692 b | 1.12837 | 113.497 b | 5.06935 b | 2.41976 b |
| JEFF-3.3 | 8.65843 b | 8.65843 b | 9.7699 b | 1.12837 | 113.22 b | 5.20612 b | 2.25822 b |
| JENDL-4.0u | 6.16659 b | 6.16659 b | 6.9582 b | 1.12837 | 89.3455 b | 4.76902 b | 2.14027 b |
| JENDL/HE-2007 | 6.18502 b | 6.18502 b | 6.9794 b | 1.12843 | 89.1157 b | 4.764 b | 2.13981 b |
| BROND-3.1 | 8.65843 b | 8.65843 b | 9.7699 b | 1.12837 | 113.22 b | 4.80651 b | 2.2472 b |
| CENDL-3.2 | 6.18502 b | 6.18502 b | 6.9794 b | 1.12843 | 89.1157 b | 4.88132 b | 2.22272 b |
| TENDL-2019 | 8.65819 b | 8.65819 b | 9.7702 b | 1.12843 | 113.499 b | 5.05926 b | 2.25813 b |

| | | |
|--------------------|---|-------------------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Y93 production) | MT102 (n, γ) >> |



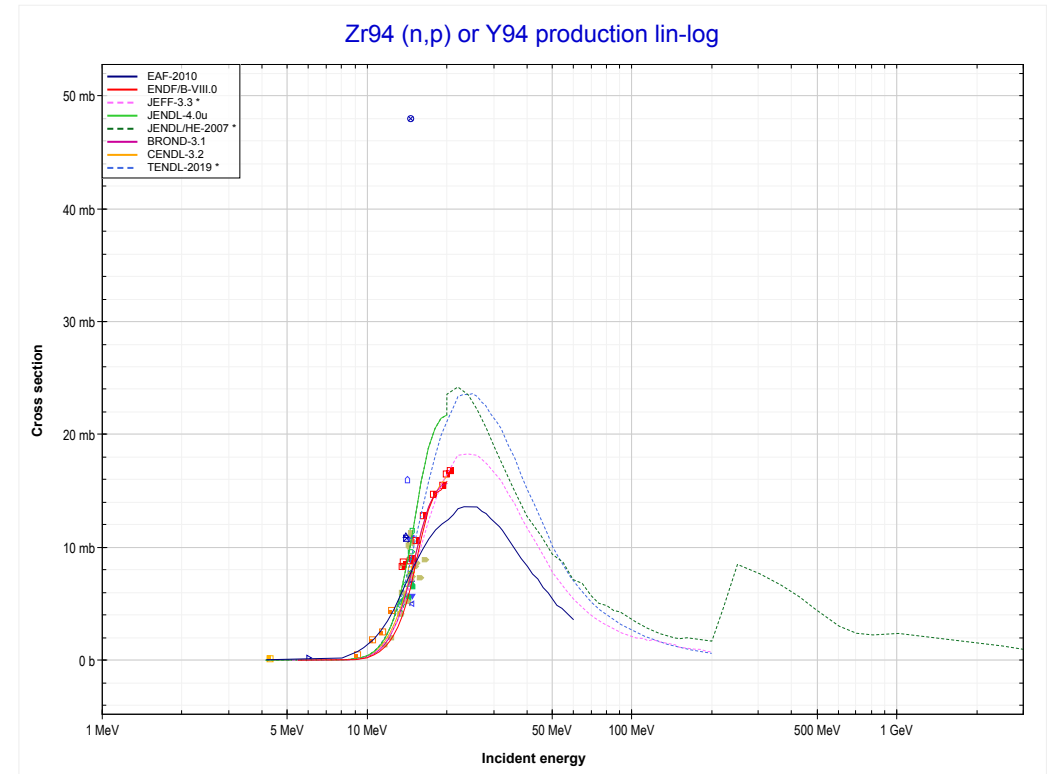
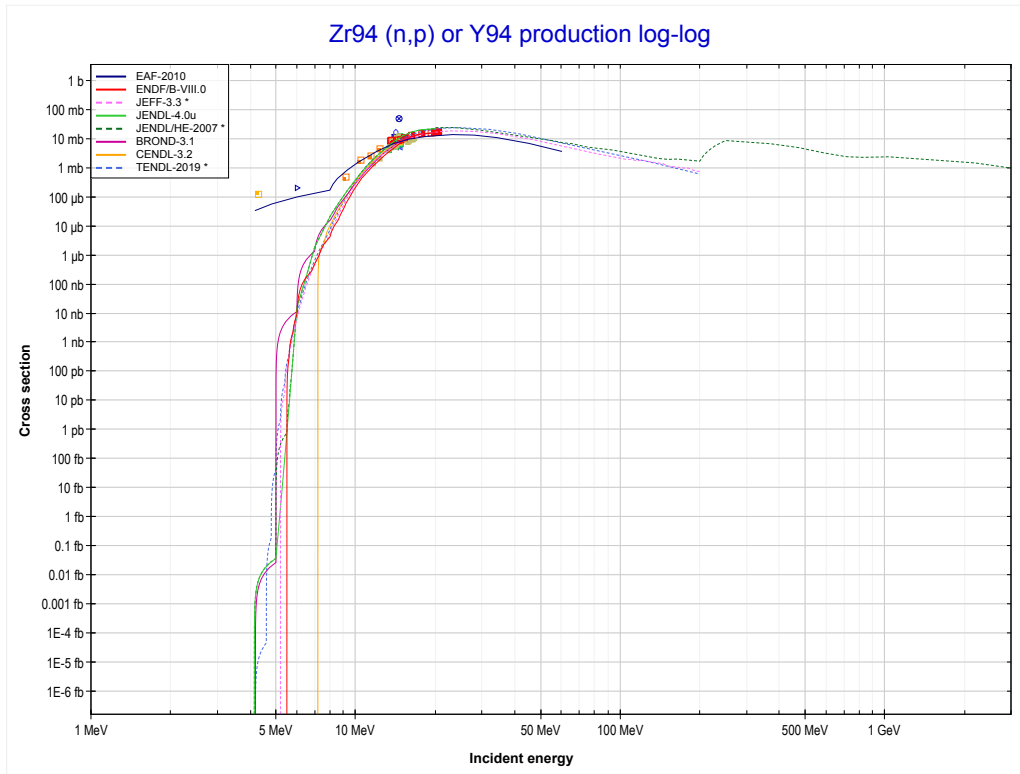
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.40628E-7 b | 4.59913E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.34096E-8 b | 1.379E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.75437E-8 b | 6.55219E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.75354E-8 b | 6.55219E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.01727E-8 b | 9.1731E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02738E-7 b | 1.29047E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.27561E-7 b | 2.42226E-5 b |

| | | |
|-----------------|---|----------------|
| << 40-Zr-93 | 40-Zr-94 | 40-Zr-96 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zr95 production) | MT103 (n,p) >> |



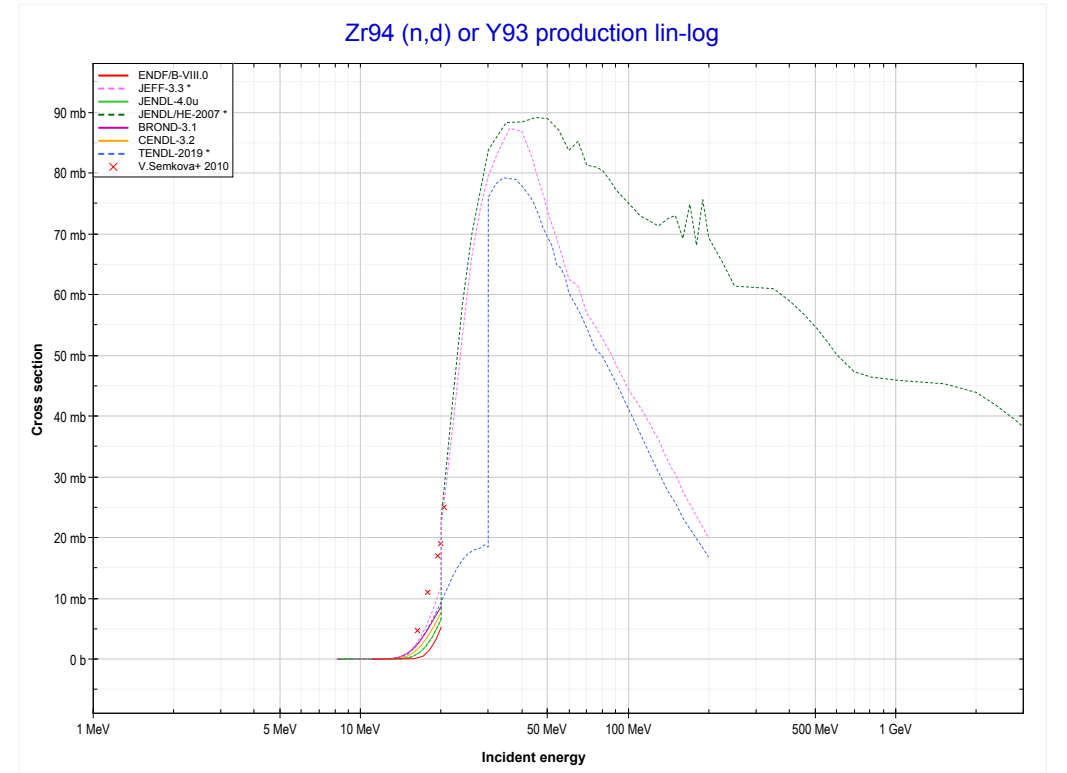
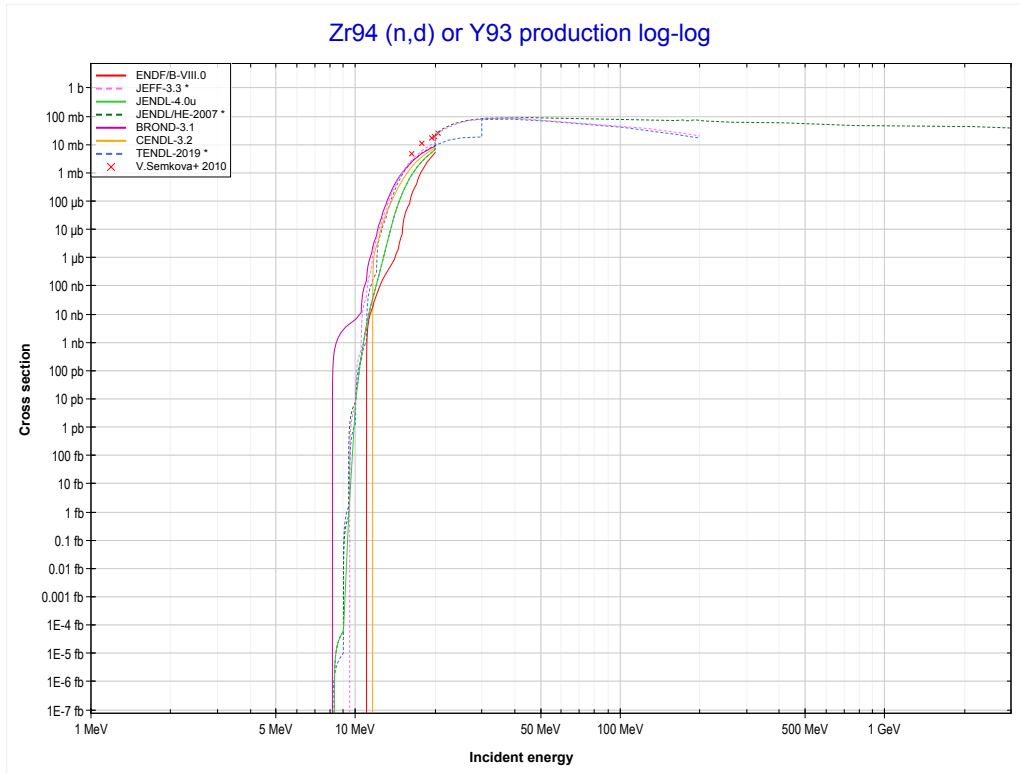
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0488627 b | 0.0488261 b | 0.048818 b | 0.99983 | 0.281463 b | 0.0079569 b | 0.00114547 b |
| ENDF/B-VIII.0 | 0.0499585 b | 0.0499585 b | 0.049977 b | 1.00038 | 0.263034 b | 0.00954455 b | 6.54401E-4 b |
| JEFF-3.3 | 0.0498852 b | 0.0498852 b | 0.049904 b | 1.00038 | 0.269907 b | 0.00567991 b | 8.86723E-4 b |
| JENDL-4.0u | 0.0506912 b | 0.0506912 b | 0.05071 b | 1.00037 | 0.259188 b | 0.0050904 b | 5.501E-4 b |
| JENDL/HE-2007 | 0.0498093 b | 0.0498093 b | 0.049811 b | 1.00004 | 0.259979 b | 0.00977104 b | 0.00100239 b |
| BROND-3.1 | 0.0498852 b | 0.0498852 b | 0.049904 b | 1.00038 | 0.269907 b | 0.00704681 b | 0.00114949 b |
| CENDL-3.2 | 0.0498093 b | 0.0498093 b | 0.049811 b | 1.00004 | 0.259979 b | 0.00628272 b | 0.00109173 b |
| TENDL-2019 | 0.0509394 b | 0.0509394 b | 0.050942 b | 1.00005 | 0.241446 b | 0.00564301 b | 0.0010291 b |

| | | |
|-------------------------|--|----------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Y94 production) | MT104 (n,d) >> |



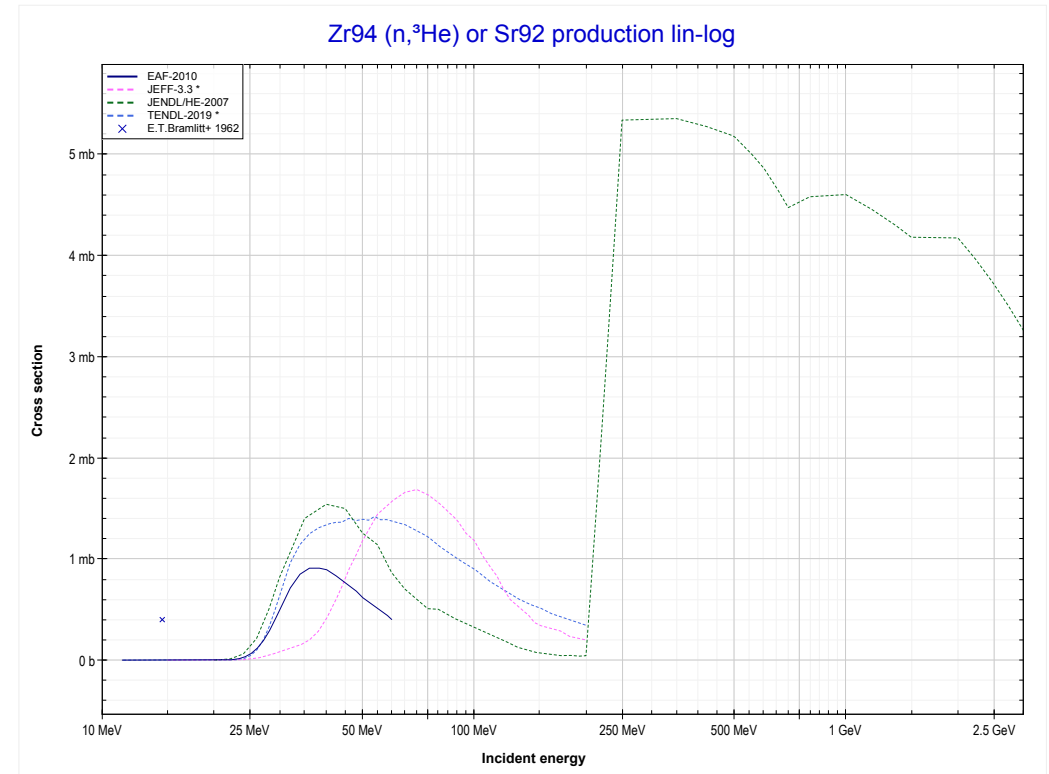
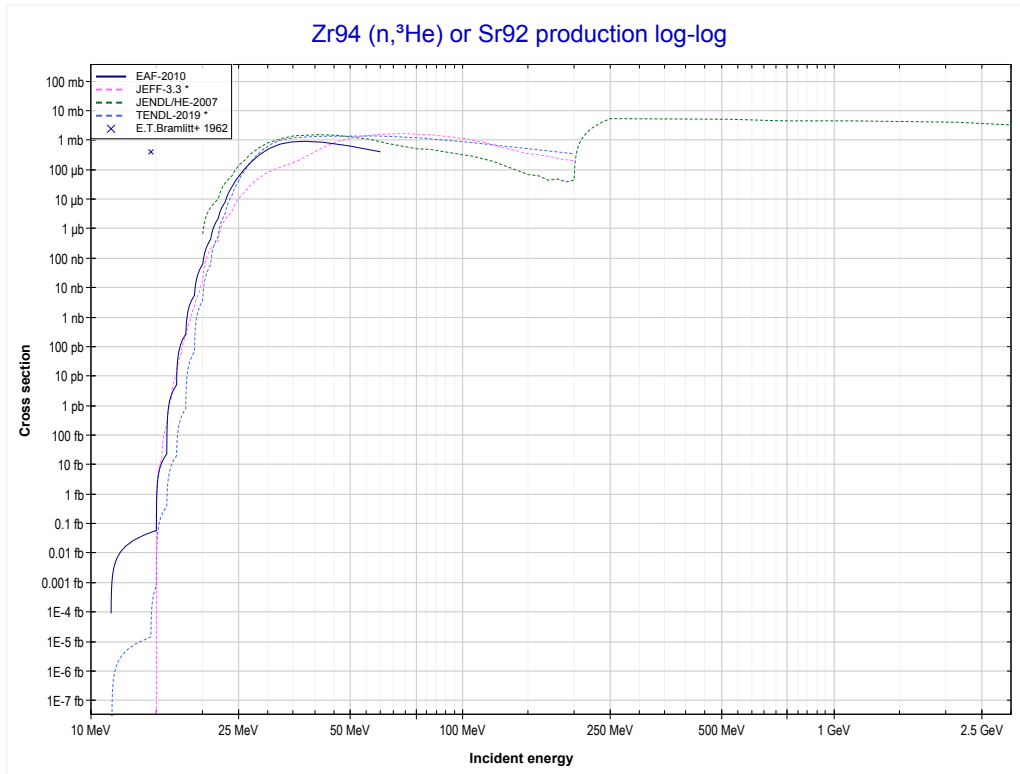
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41453E-5 b | 0.00677549 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.08839E-6 b | 0.00487367 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67899E-6 b | 0.00552457 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.22521E-6 b | 0.00811382 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.22519E-6 b | 0.00811382 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85781E-6 b | 0.0058419 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.10209E-6 b | 0.00609714 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.71625E-6 b | 0.00707385 b |

| | | |
|----------------|--|-------------------------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Y93 production) | MT106 (n, ³ He) >> |



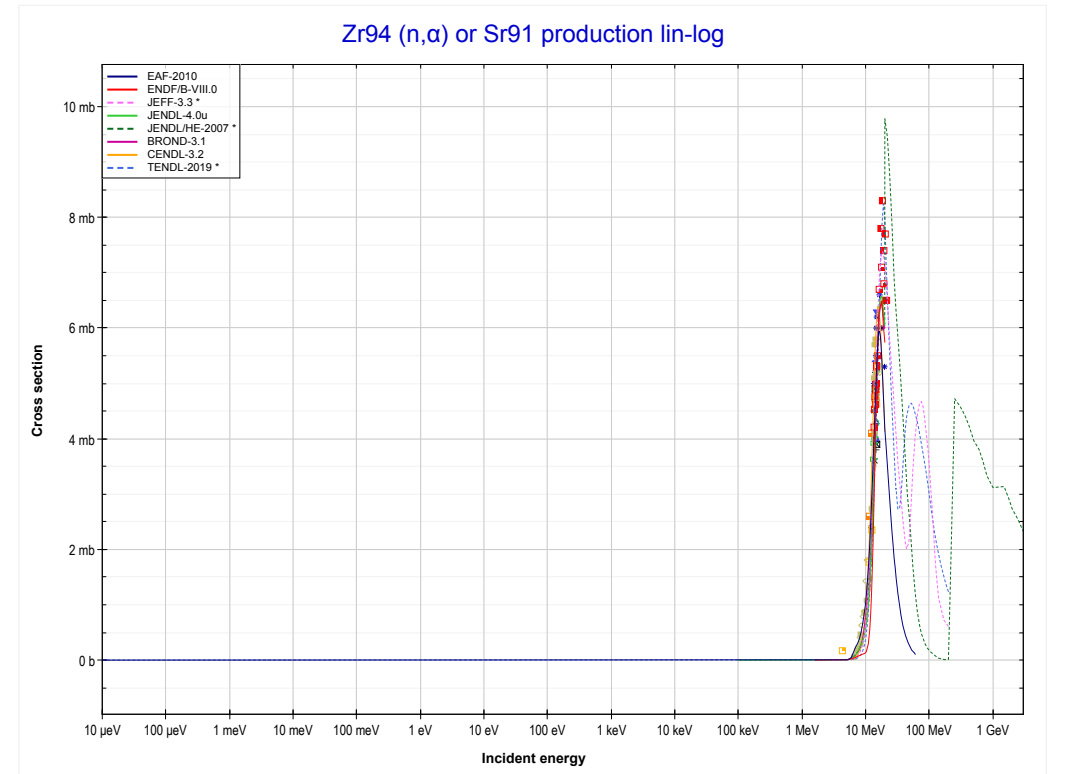
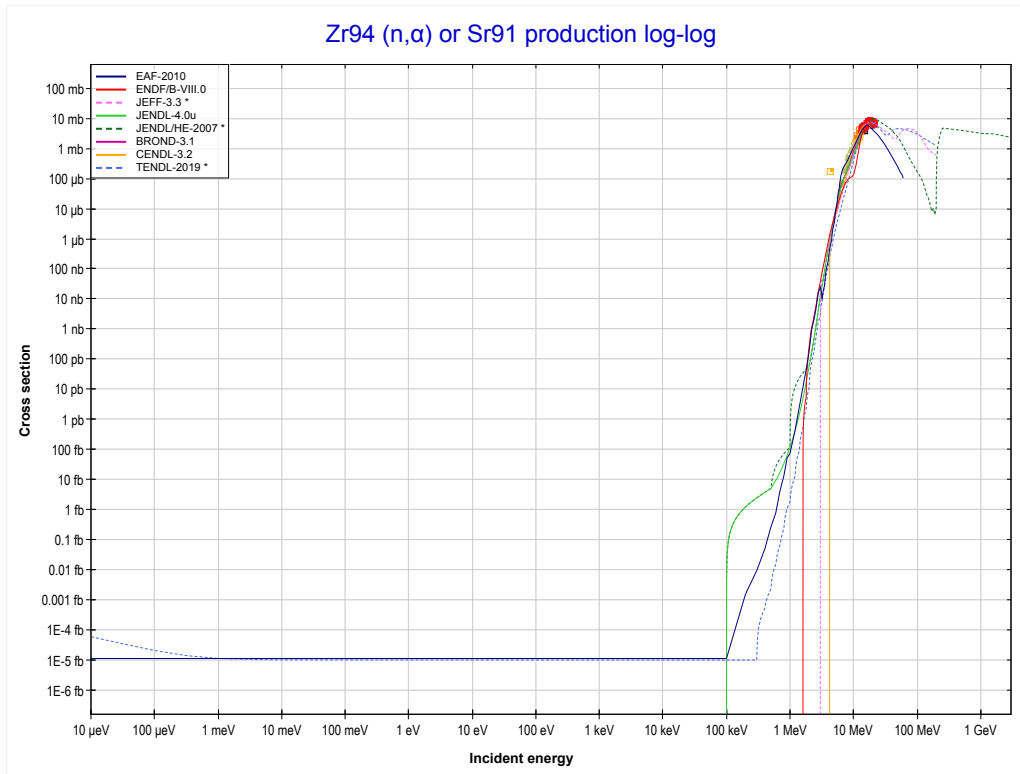
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.45689E-8 b | 8.166E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30163E-7 b | 2.9056E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.74294E-8 b | 2.9823E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74116E-8 b | 2.9823E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13291E-7 b | 3.55785E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32783E-7 b | 1.58013E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8724E-7 b | 2.06109E-4 b |

| | | |
|----------------|--|----------------|
| << 35-Br-81 | 40-Zr-94 | 40-Zr-96 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Sr92 production) | MT107 (n,α) >> |



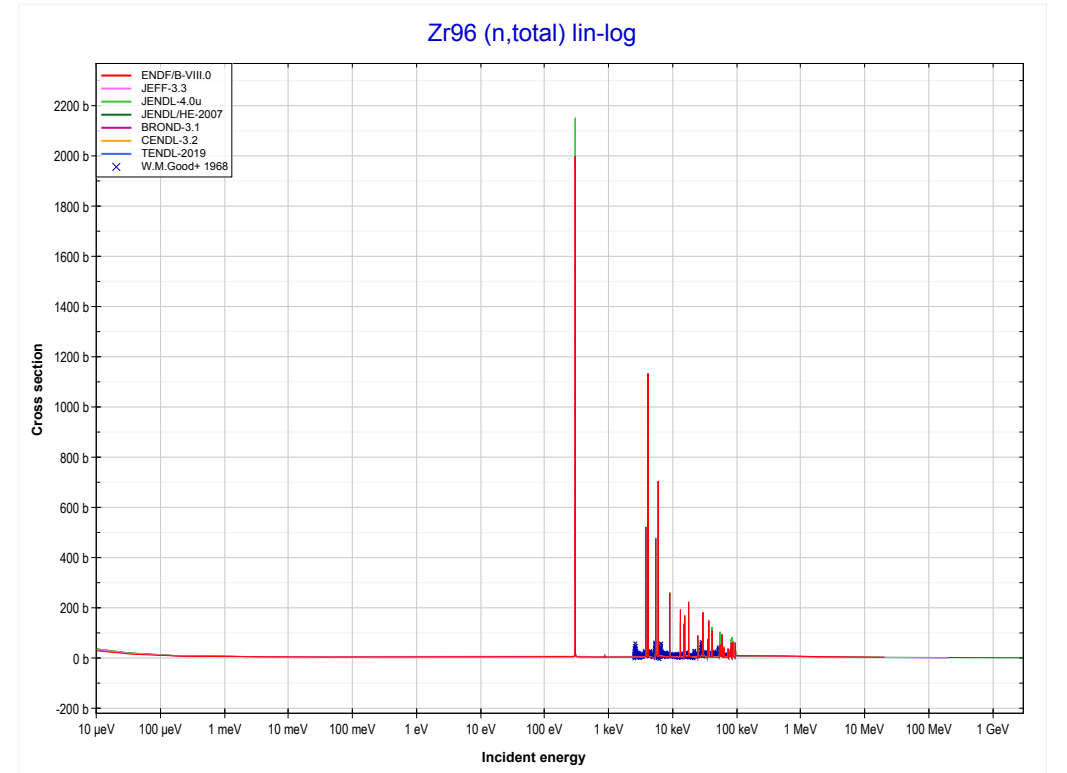
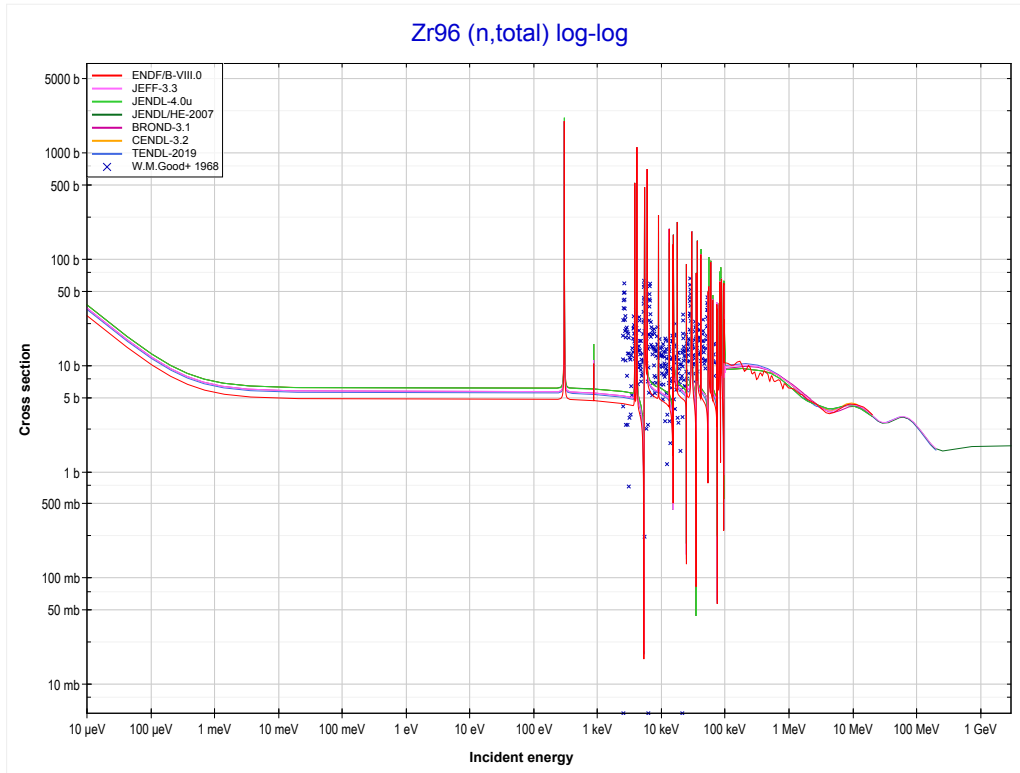
| Reaction | Q-Value |
|------------------|---------------|
| Zr94(n,He3)Sr92 | -11262.22 keV |
| Zr94(n,p+d)Sr92 | -16755.70 keV |
| Zr94(n,n+2p)Sr92 | -18980.26 keV |

| | | |
|-------------------------------|---|---------------------------|
| << 40-Zr-92 | 40-Zr-94 | 40-Zr-96 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Sr91 production) | 40-Zr-96 MT1 (n,total) >> |



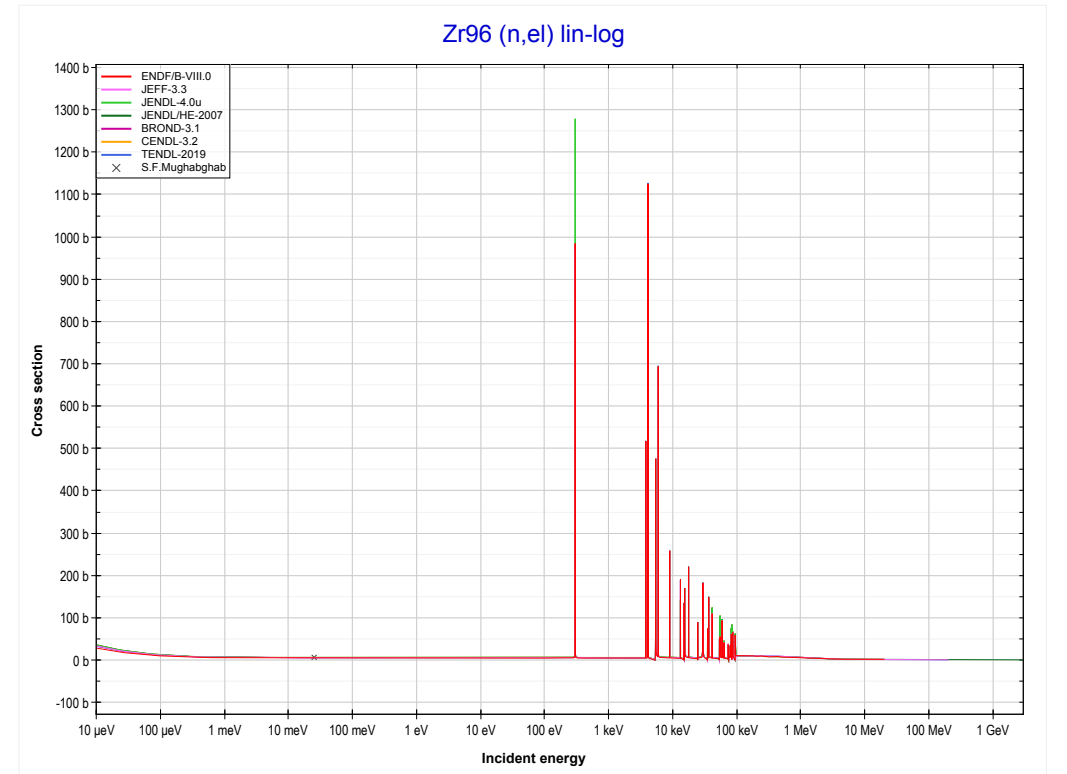
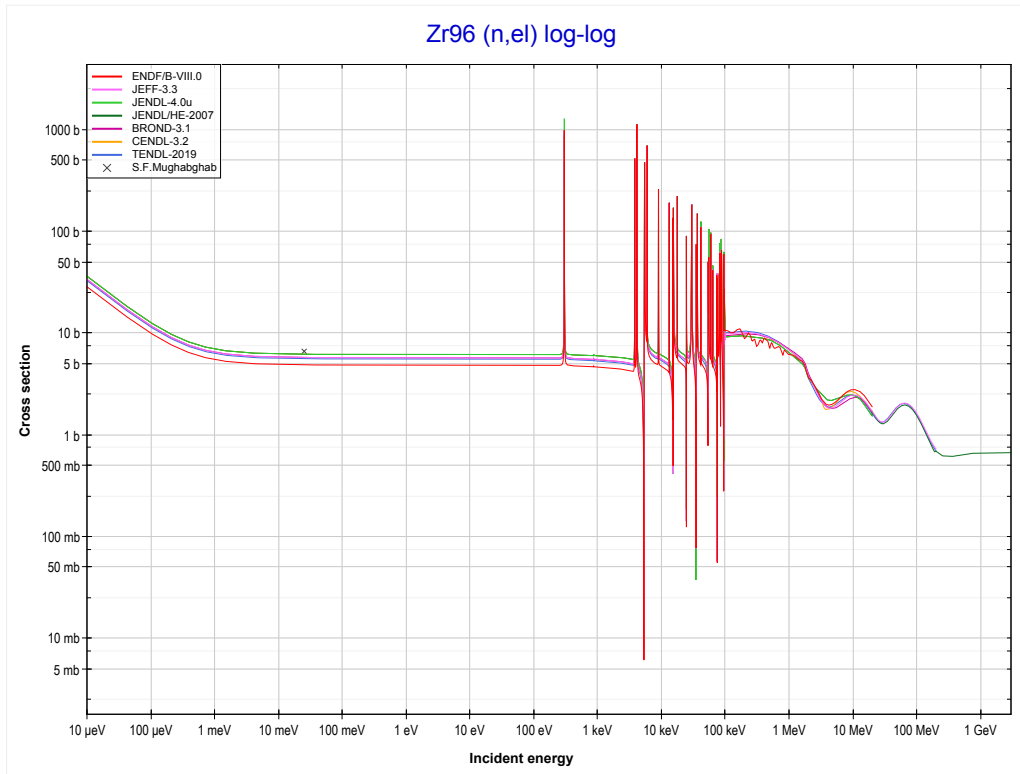
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.1298E-20 b | 1.1298E-20 b | 1.2748E-20 b | 1.12915 | 1.37942E-19 b | 1.29483E-5 b | 0.0045035 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.92909E-6 b | 0.00368874 b |
| JEFF-3.3 * | 0 b | 0 b | 0 b | 0 | 0 b | 6.65089E-6 b | 0.00468284 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.52094E-6 b | 0.00417091 b |
| JENDL/HE-2007 * | 0 b | 0 b | 0 b | 0 | 0 b | 7.52093E-6 b | 0.00417091 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.09856E-6 b | 0.0041984 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.52906E-6 b | 0.00552828 b |
| TENDL-2019 * | 1.0054E-20 b | 1.0054E-20 b | 1.1345E-20 b | 1.12839 | 1.22085E-19 b | 4.11517E-6 b | 0.00352981 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 40-Zr-94 | 40-Zr-96 | 41-Nb-93 >> |
| << 40-Zr-94 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



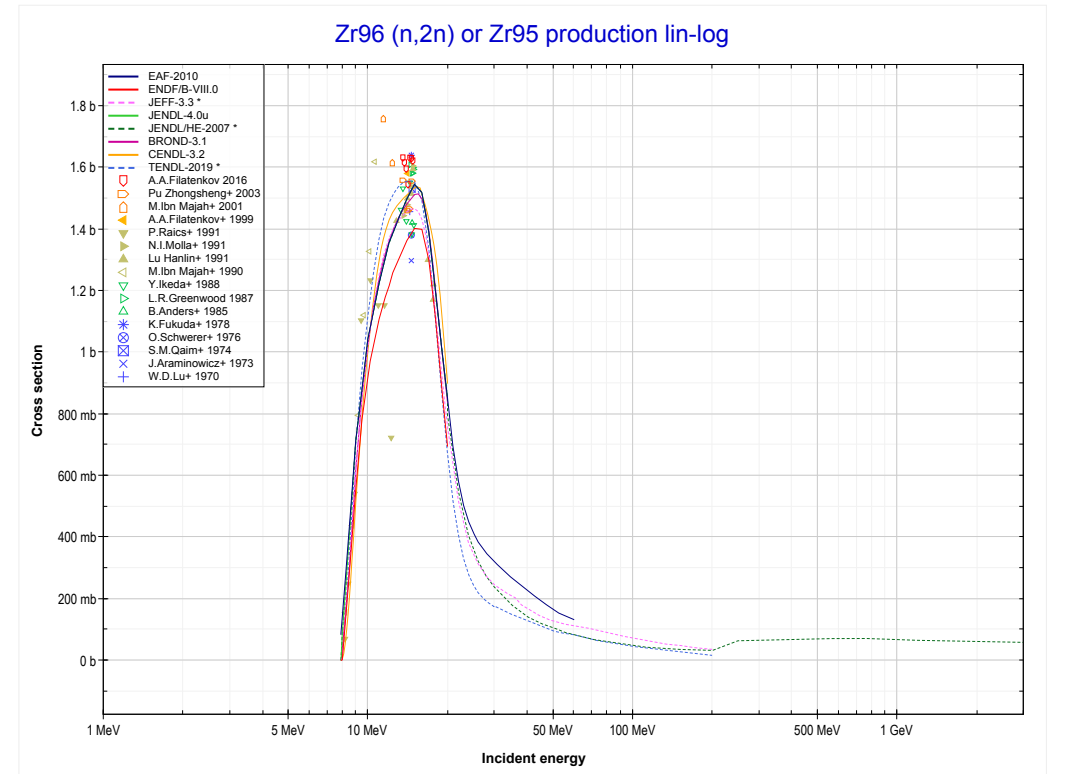
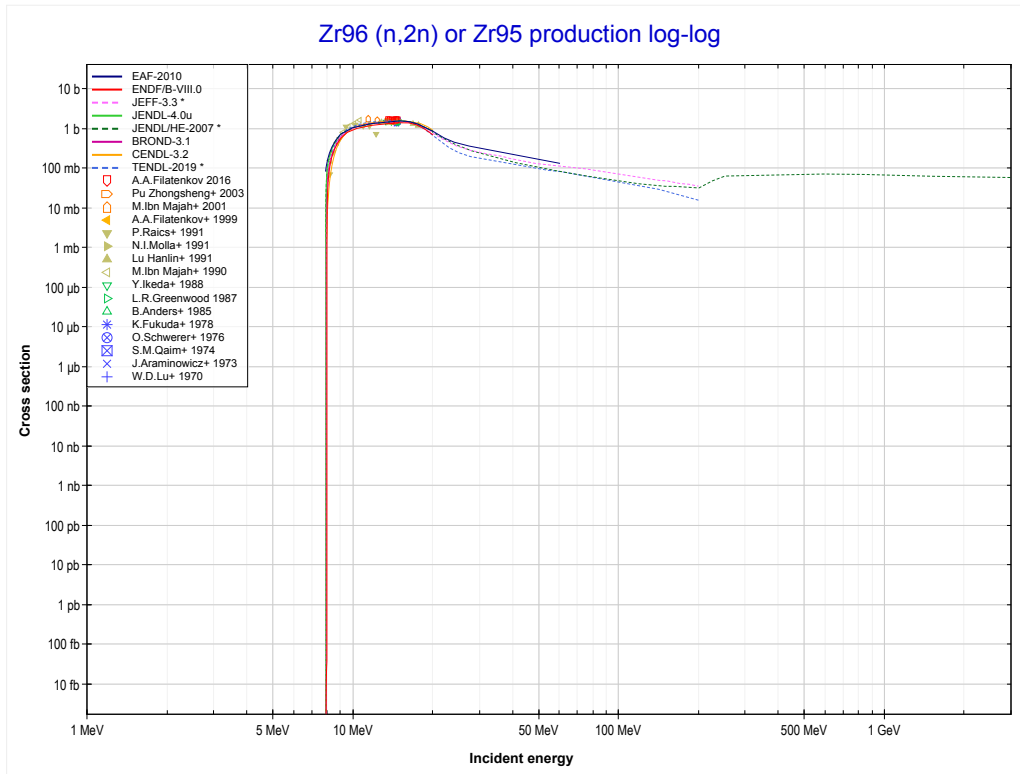
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.87257 b | 4.87257 b | 5.4955 b | 1.12783 | 85.6648 b | 5.63152 b | 4.12102 b |
| JEFF-3.3 | 5.75856 b | 5.75856 b | 6.4948 b | 1.12786 | 95.9188 b | 6.02317 b | 4.0317 b |
| JENDL-4.0u | 6.18357 b | 6.18357 b | 6.9747 b | 1.12795 | 103.923 b | 5.79795 b | 3.8459 b |
| JENDL/HE-2007 | 6.18606 b | 6.18606 b | 6.9776 b | 1.12796 | 104.116 b | 5.79889 b | 3.8459 b |
| BROND-3.1 | 5.75856 b | 5.75856 b | 6.4948 b | 1.12786 | 95.9188 b | 6.06307 b | 3.99464 b |
| CENDL-3.2 | 6.18606 b | 6.18606 b | 6.9776 b | 1.12796 | 104.116 b | 5.9889 b | 3.99428 b |
| TENDL-2019 | 5.59056 b | 5.59056 b | 6.3059 b | 1.12795 | 93.8502 b | 6.01783 b | 3.95166 b |

| | | |
|------------------|------------------------|----------------|
| << 40-Zr-94 | 40-Zr-96 | 41-Nb-93 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



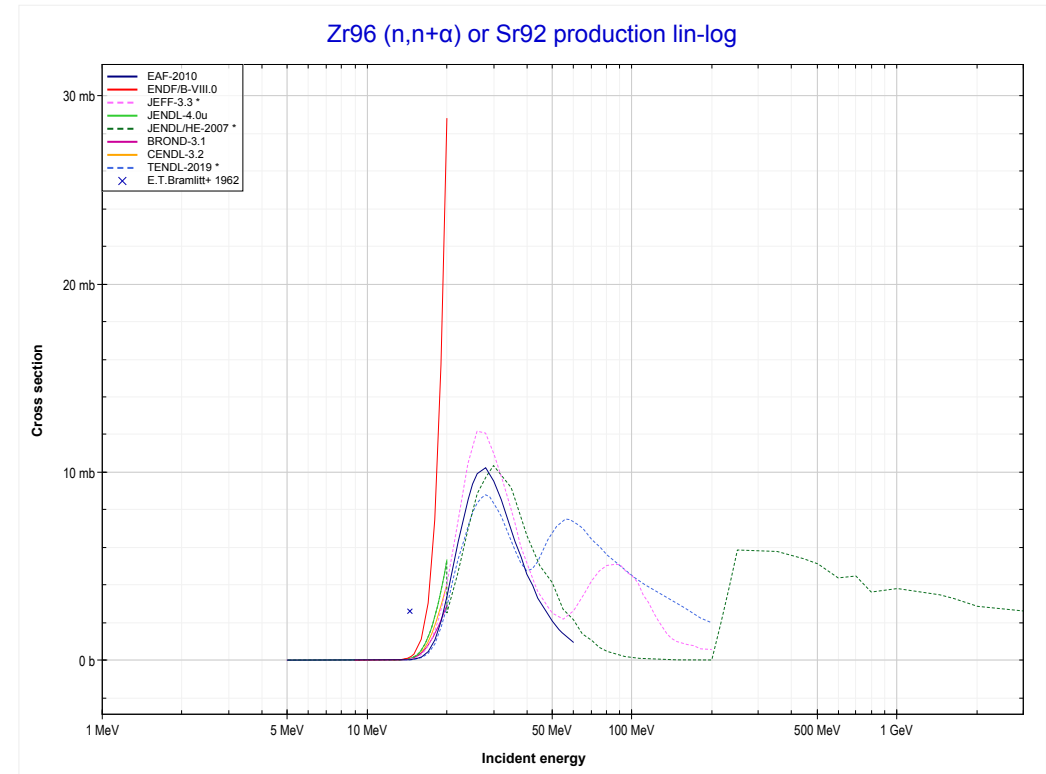
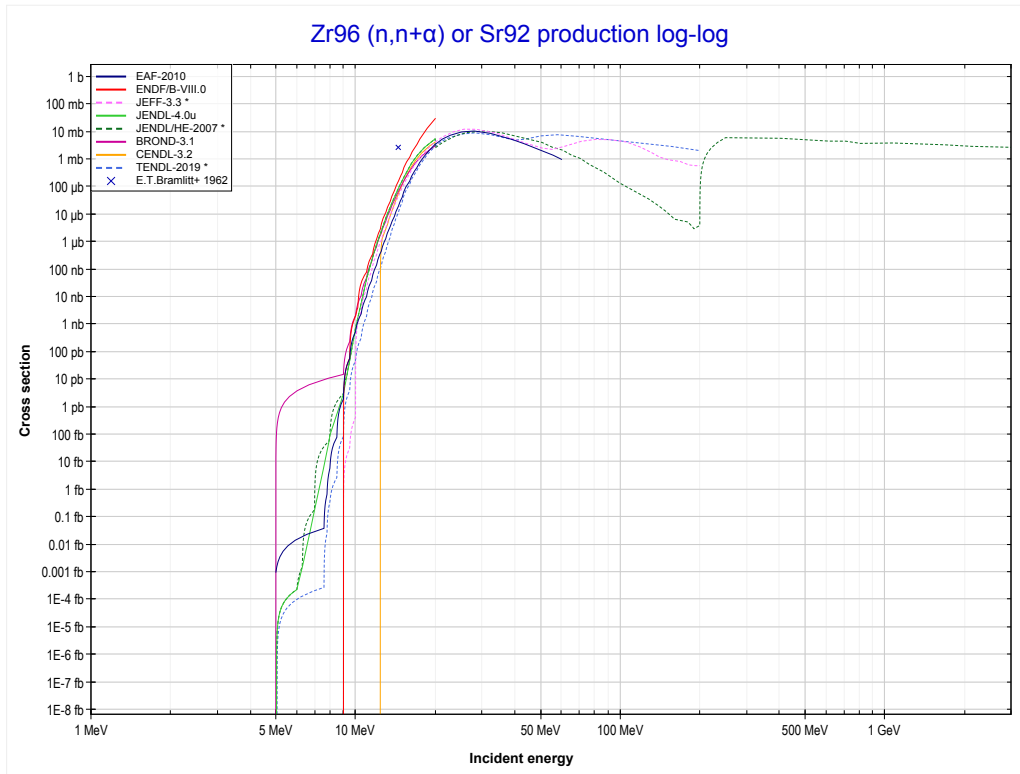
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.85226 b | 4.85226 b | 5.4751 b | 1.12837 | 80.5954 b | 4.98631 b | 2.54212 b |
| JEFF-3.3 | 5.73571 b | 5.73571 b | 6.472 b | 1.12837 | 90.7809 b | 5.30449 b | 2.26733 b |
| JENDL-4.0u | 6.16325 b | 6.16325 b | 6.9544 b | 1.12837 | 99.7221 b | 5.15605 b | 2.11595 b |
| JENDL/HE-2007 | 6.16325 b | 6.16325 b | 6.9548 b | 1.12843 | 98.2764 b | 5.15883 b | 2.11528 b |
| BROND-3.1 | 5.73571 b | 5.73571 b | 6.472 b | 1.12837 | 90.7809 b | 5.36404 b | 2.2005 b |
| CENDL-3.2 | 6.16325 b | 6.16325 b | 6.9548 b | 1.12843 | 98.2764 b | 5.26485 b | 2.2552 b |
| TENDL-2019 | 5.56948 b | 5.56948 b | 6.2848 b | 1.12843 | 88.6058 b | 5.29072 b | 2.18123 b |

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|--------------------|---|-----------------|
| << 40-Zr-91 | 40-Zr-96 | 41-Nb-93 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Zr95 production) | MT22 (n,n+α) >> |



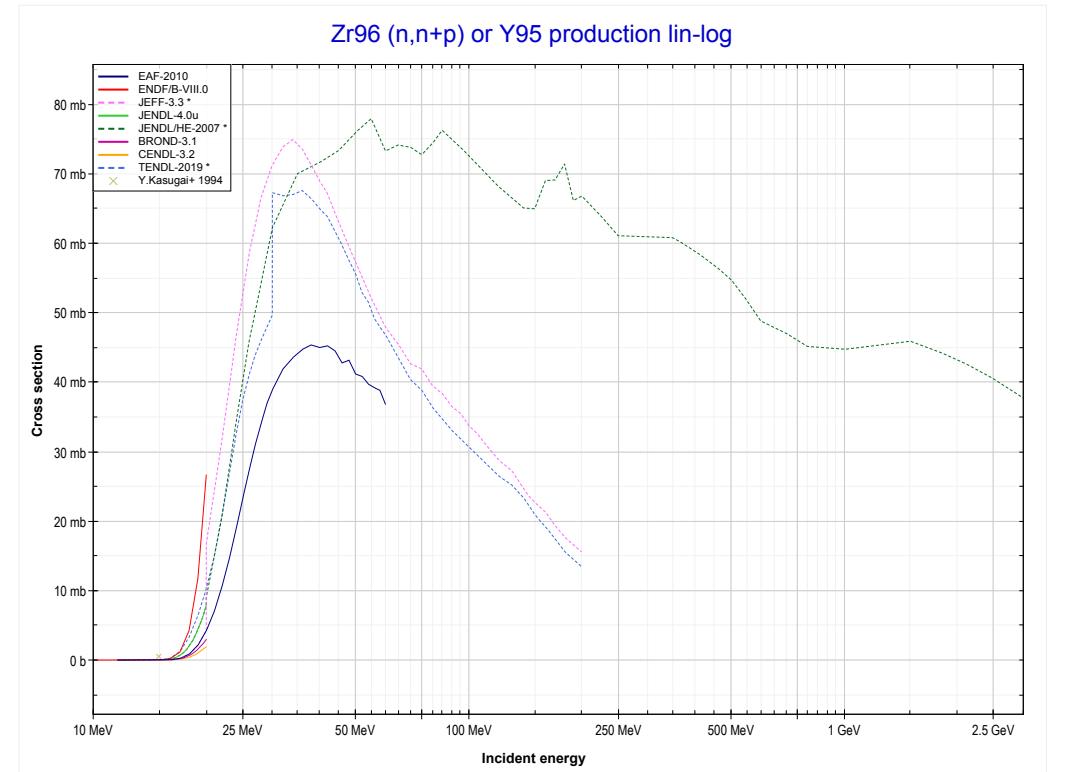
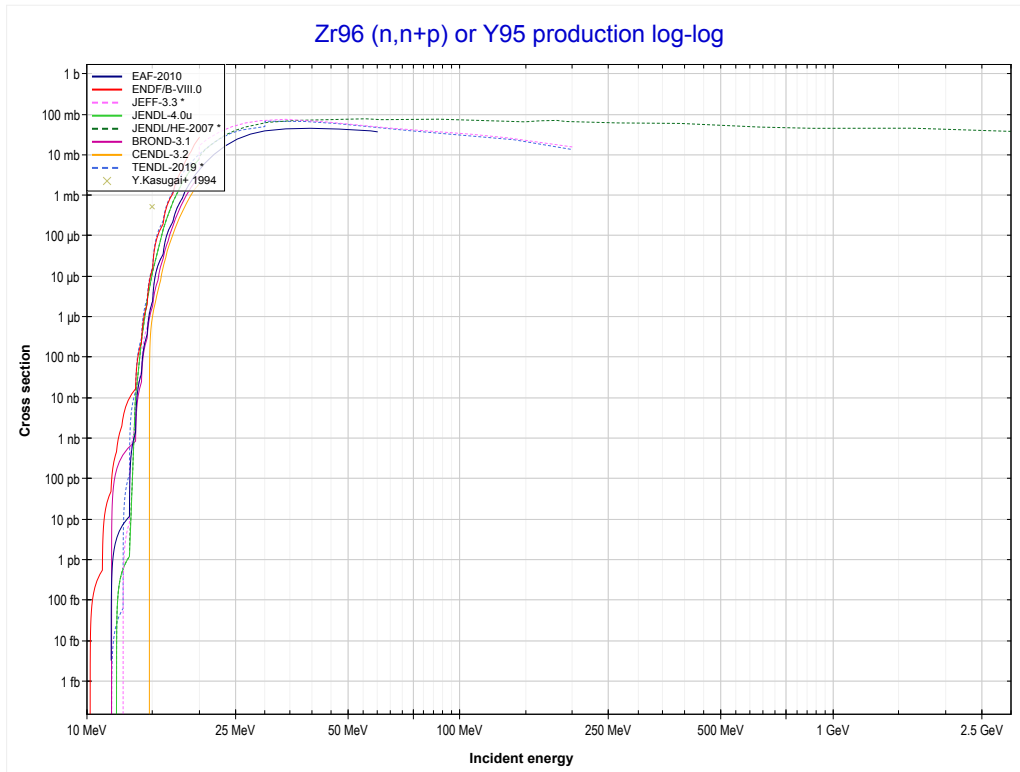
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00555034 b | 1.495 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00463849 b | 1.3602 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00512964 b | 1.4559 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00560604 b | 1.49544 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00560588 b | 1.49544 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00516266 b | 1.47978 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00474714 b | 1.50937 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00566147 b | 1.55478 b |

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|----------------|--|-----------------|
| << 40-Zr-91 | 40-Zr-96 | 41-Nb-93 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Sr92 production) | MT28 (n,n+p) >> |



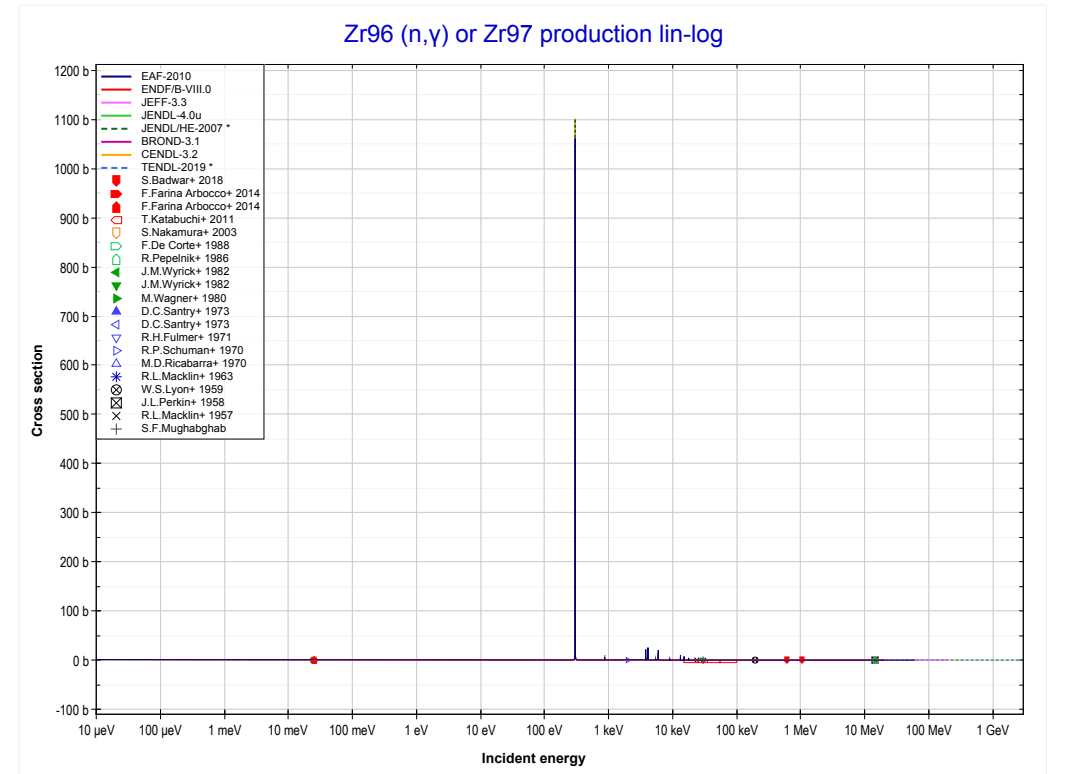
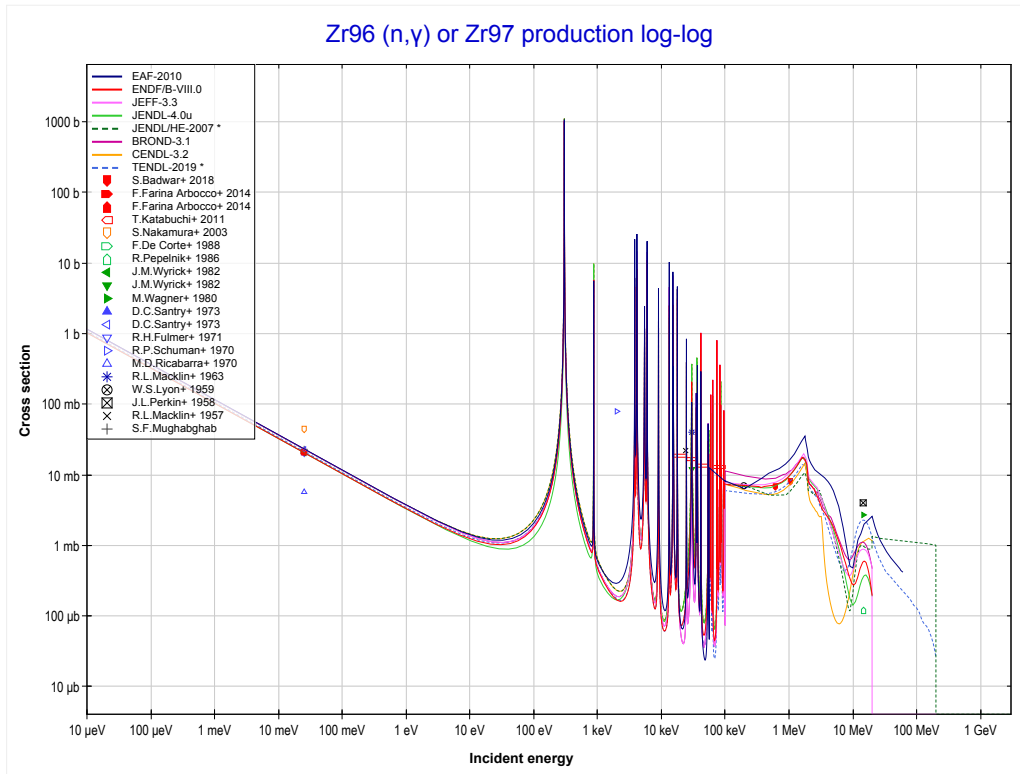
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74676E-7 b | 6.58469E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.63857E-8 b | 1.8771E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.82034E-8 b | 3.91881E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.81834E-8 b | 3.91881E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.82034E-8 b | 2.95625E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.39076E-8 b | 2.21385E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84139E-8 b | 4.21721E-6 b |

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|-----------------|---|----------------|
| << 40-Zr-94 | 40-Zr-96 | 42-Mo-92 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Y95 production) | MT102 (n,γ) >> |



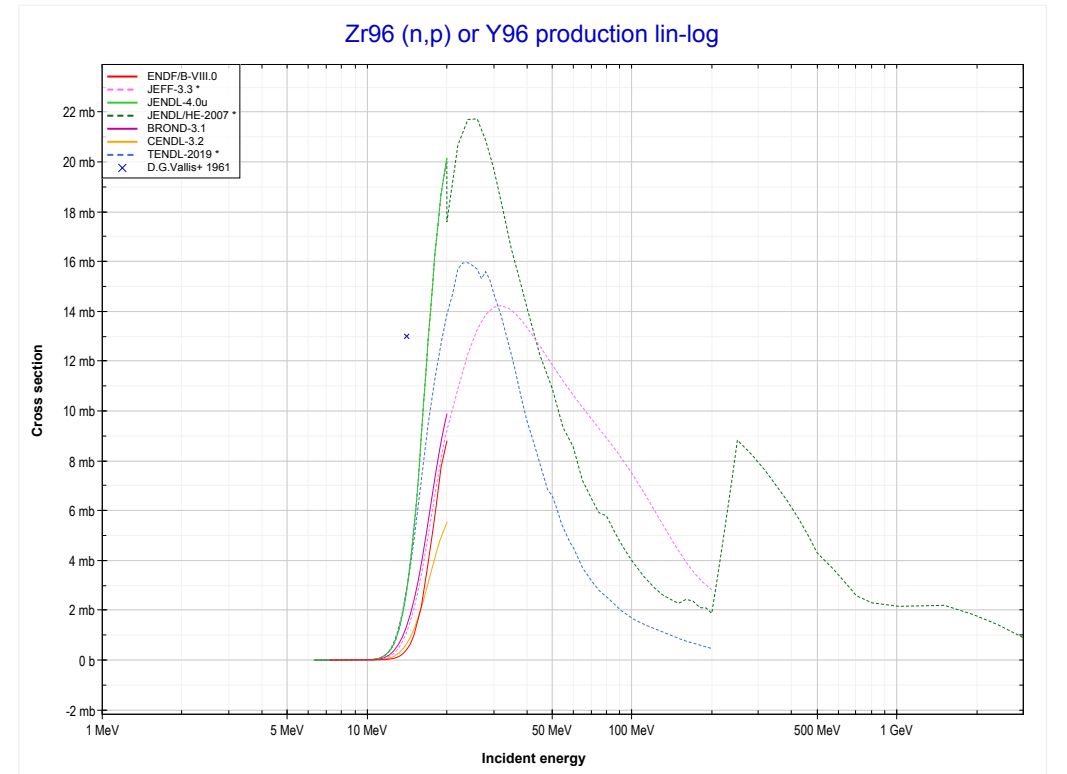
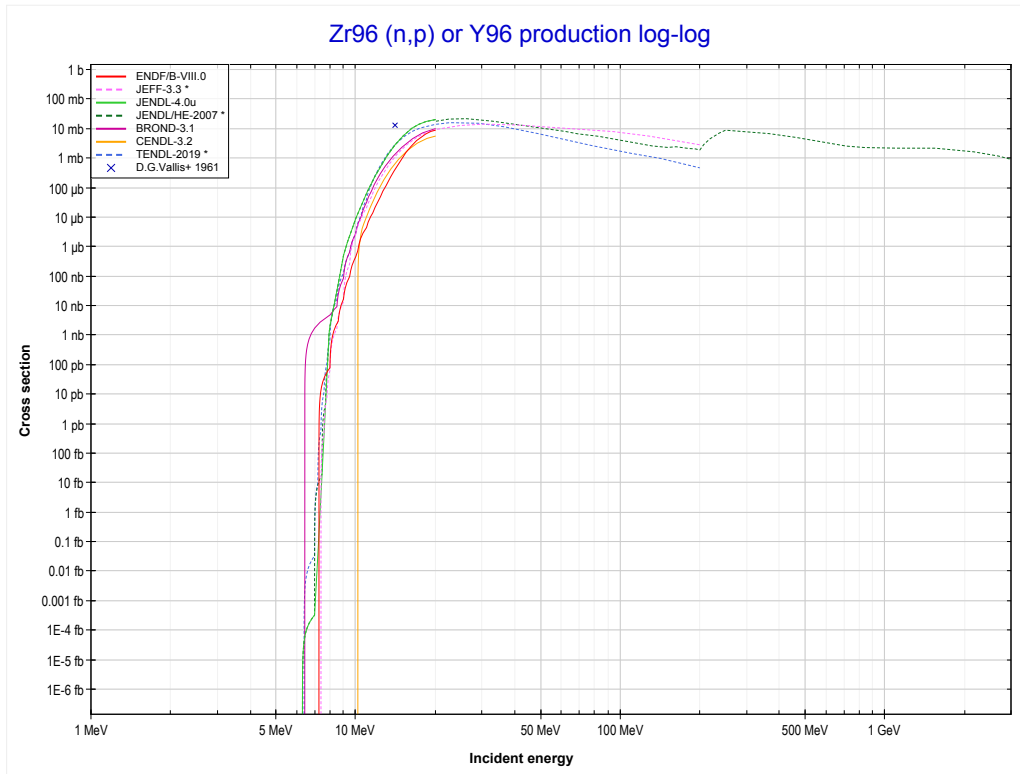
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.81804E-8 b | 2.34166E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59525E-8 b | 4.55543E-8 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.52894E-8 b | 2.61134E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.52326E-8 b | 2.61134E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11464E-8 b | 2.4367E-8 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.00183E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.88201E-8 b | 2.90063E-7 b |

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|-----------------|---|----------------|
| << 40-Zr-94 | 40-Zr-96 | 41-Nb-93 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Zr97 production) | MT103 (n,p) >> |



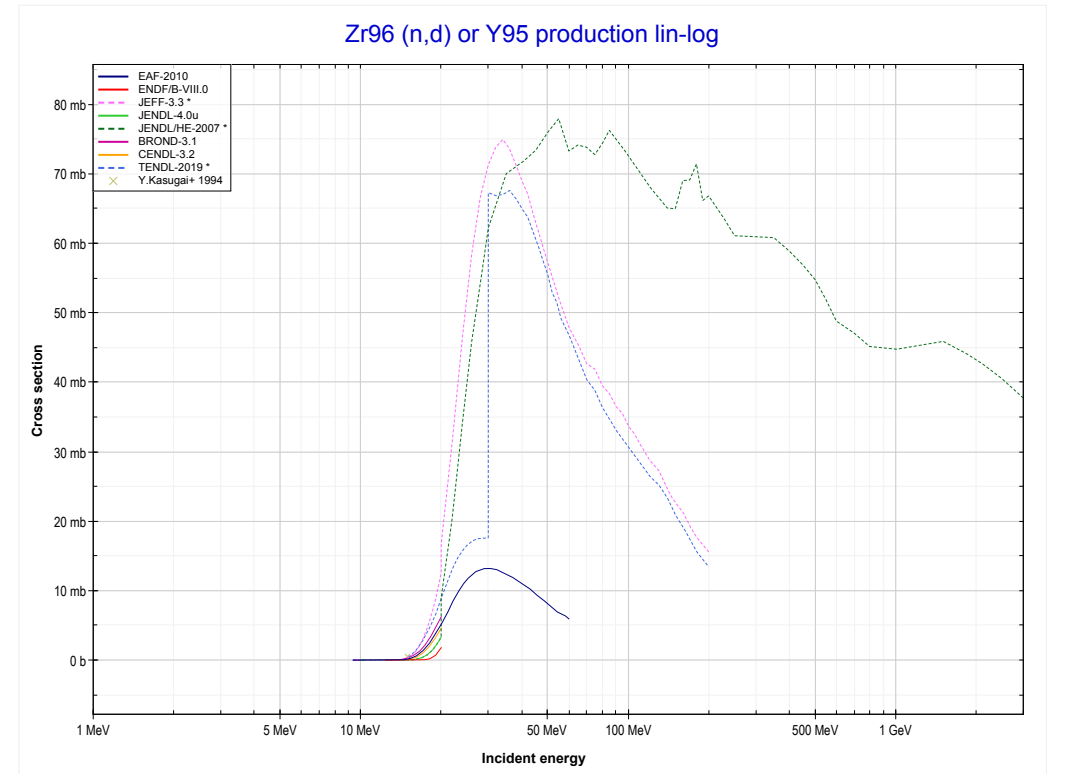
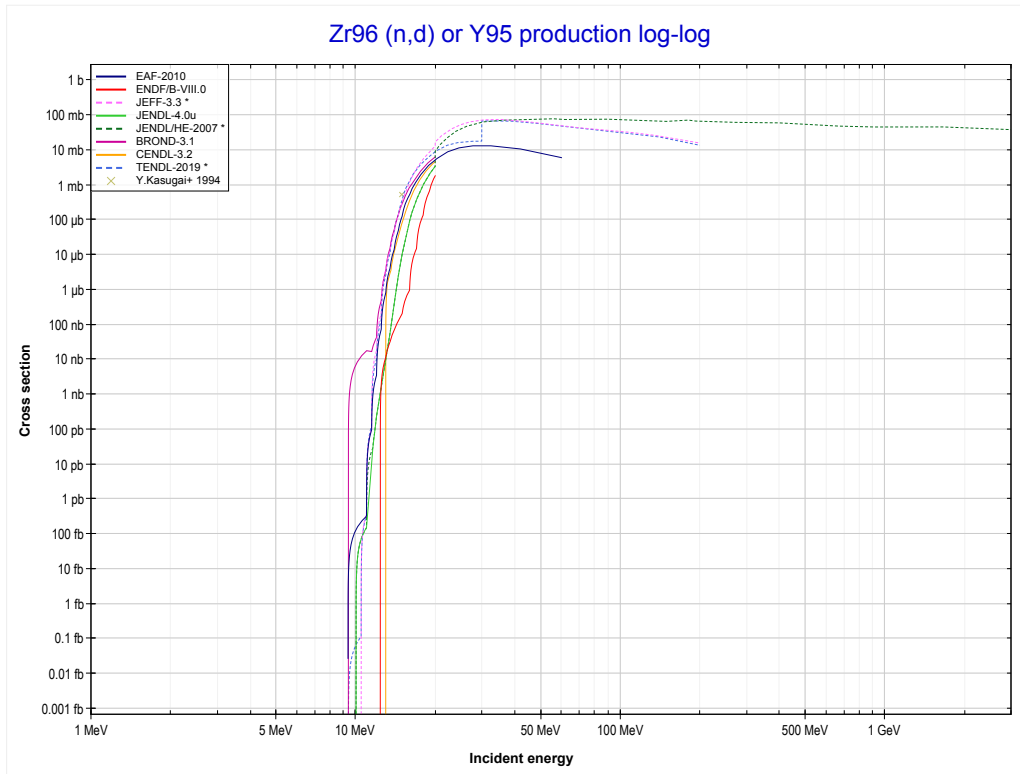
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0230093 b | 0.0229921 b | 0.022994 b | 1.00007 | 5.57842 b | 0.014466 b | 0.00166348 b |
| ENDF/B-VIII.0 | 0.0203153 b | 0.0203153 b | 0.020328 b | 1.00063 | 5.06938 b | 0.00793006 b | 5.62442E-4 b |
| JEFF-3.3 | 0.0228509 b | 0.0228509 b | 0.022865 b | 1.00061 | 5.13794 b | 0.00881163 b | 8.80826E-4 b |
| JENDL-4.0u | 0.0203192 b | 0.0203192 b | 0.02033 b | 1.00056 | 4.20084 b | 0.00810078 b | 3.375E-4 b |
| JENDL/HE-2007 | 0.0228022 b | 0.0228022 b | 0.02281 b | 1.00035 | 5.8333 b | 0.00573102 b | 0.00100053 b |
| BROND-3.1 | 0.0228501 b | 0.0228501 b | 0.022864 b | 1.00063 | 5.13794 b | 0.00879988 b | 0.00111523 b |
| CENDL-3.2 | 0.0228022 b | 0.0228022 b | 0.02281 b | 1.00035 | 5.8333 b | 0.0055999 b | 0.00111446 b |
| TENDL-2019 | 0.0210772 b | 0.0210772 b | 0.021084 b | 1.00031 | 5.24107 b | 0.00646663 b | 0.0022659 b |

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|-------------------------|--|----------------|
| << 40-Zr-94 | 40-Zr-96 | 42-Mo-92 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Y96 production) | MT104 (n,d) >> |



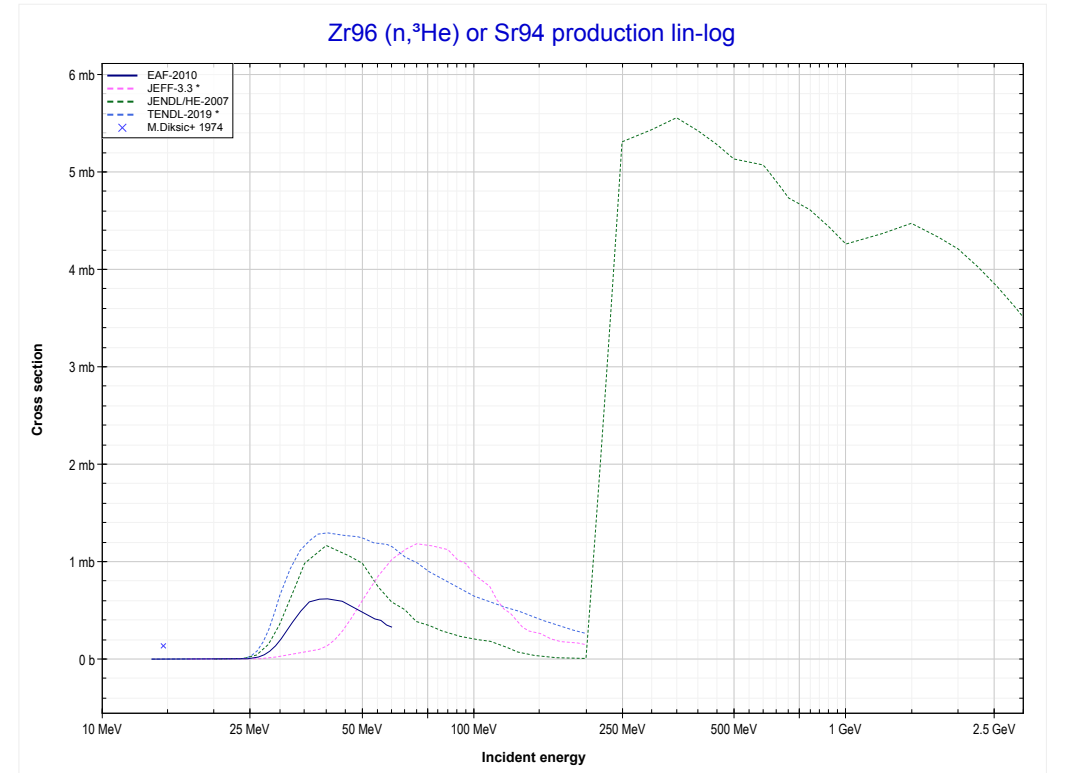
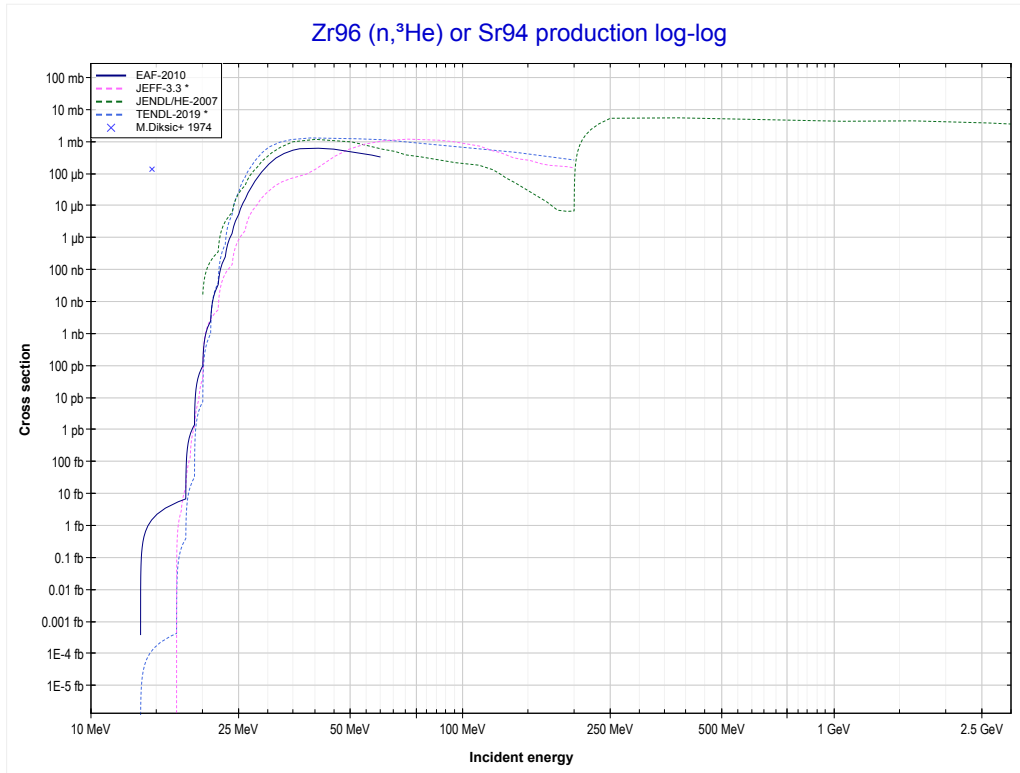
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42807E-7 b | 3.71829E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.82169E-7 b | 0.00102675 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.21587E-6 b | 0.00260185 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21586E-6 b | 0.00260185 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.87847E-7 b | 0.0012683 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.80658E-7 b | 6.06373E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.097E-6 b | 0.00266912 b |

| | | |
|----------------|--|-------------------------------|
| << 40-Zr-94 | 40-Zr-96 | 42-Mo-92 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Y95 production) | MT106 (n, ³ He) >> |



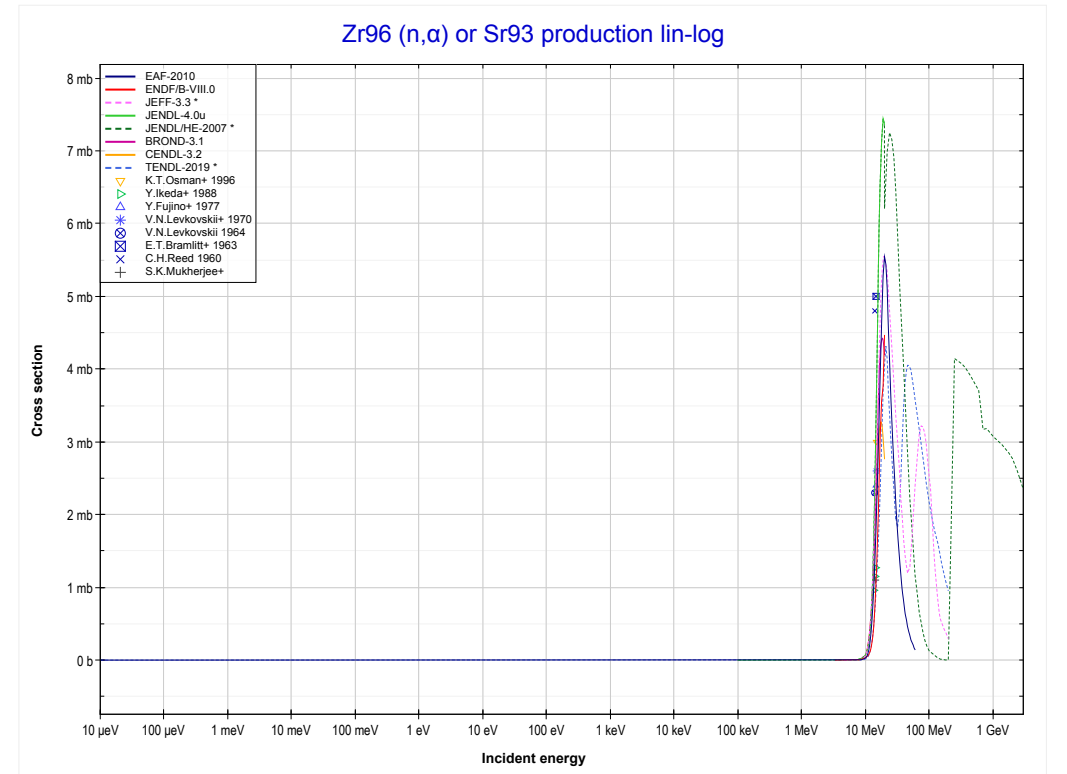
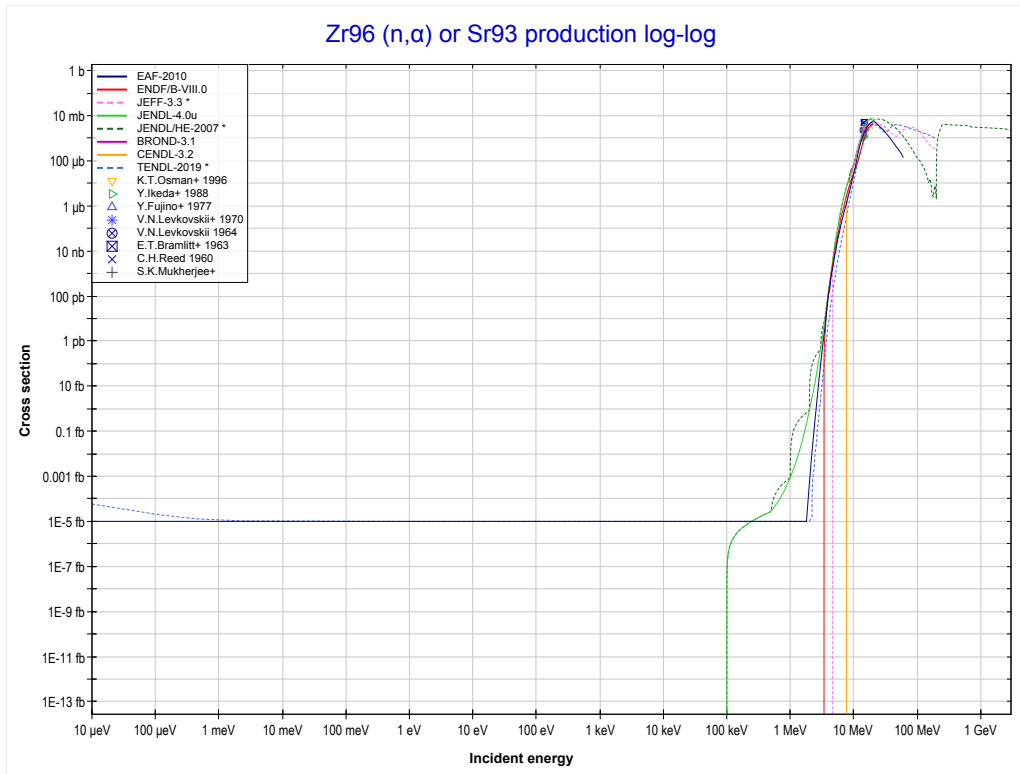
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.50652E-8 b | 1.39722E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.82666E-9 b | 6.7574E-8 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26506E-7 b | 4.08102E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.74576E-8 b | 3.9709E-7 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7436E-8 b | 3.9709E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.12492E-8 b | 5.06657E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.12218E-8 b | 1.19318E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18575E-7 b | 4.63916E-5 b |

| | | |
|----------------|--|----------------|
| << 40-Zr-94 | 40-Zr-96 | 41-Nb-93 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Sr94 production) | MT107 (n,α) >> |



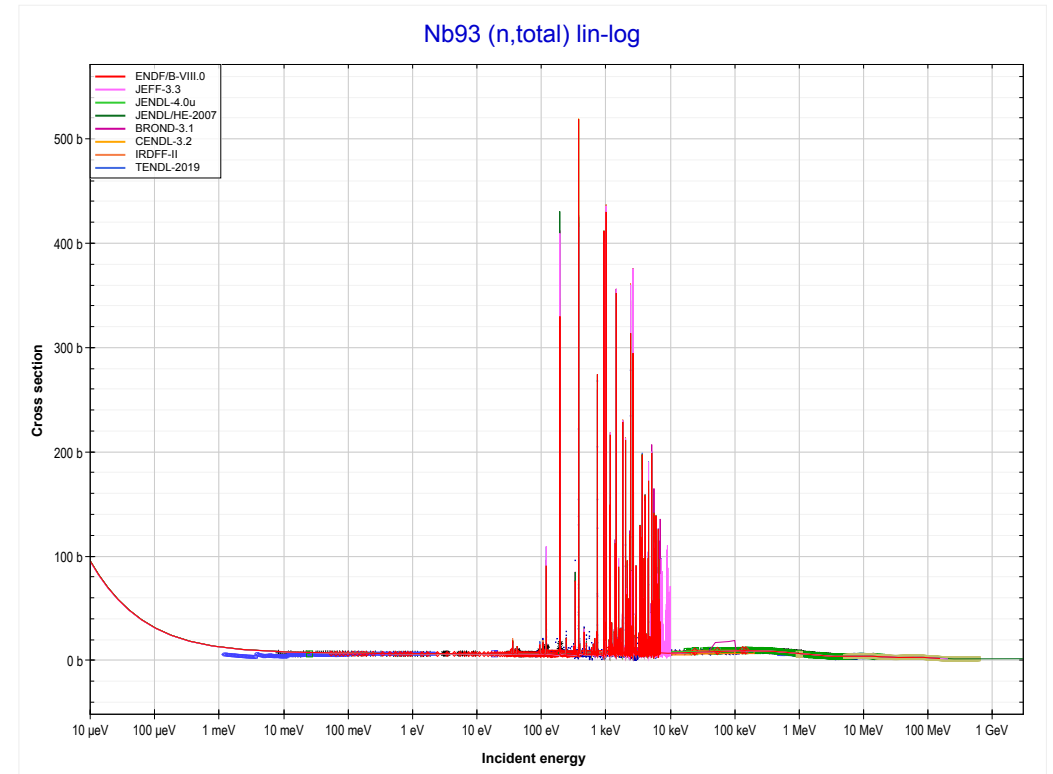
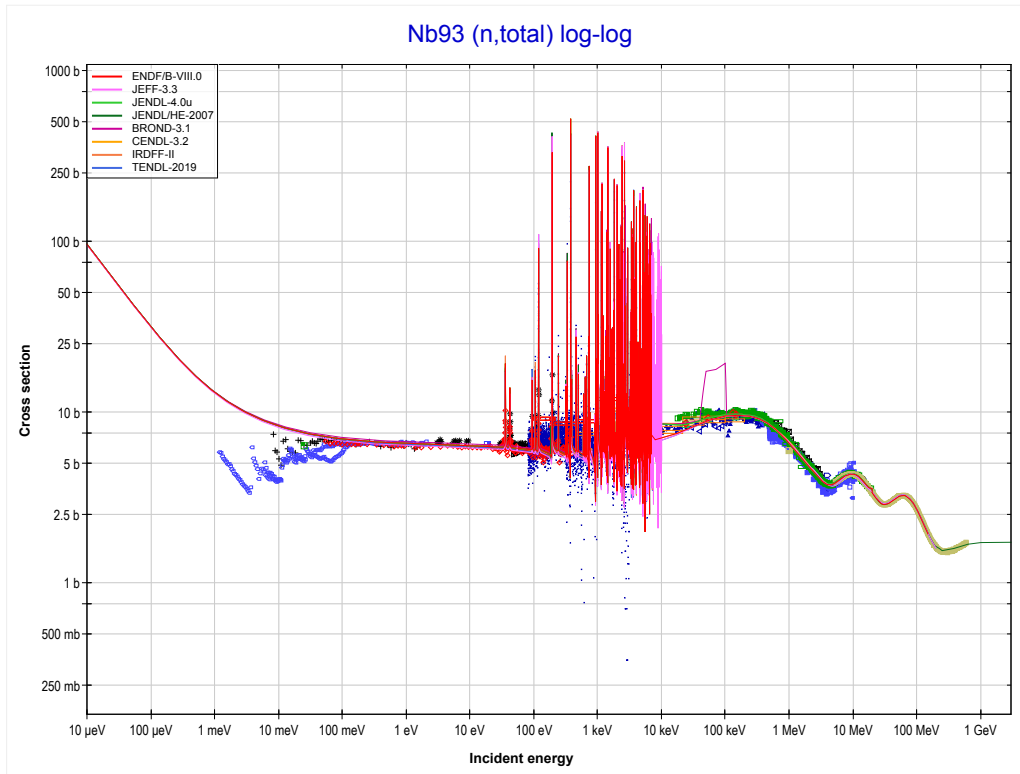
| Reaction | Q-Value |
|------------------|---------------|
| Zr96(n,He3)Sr94 | -13453.05 keV |
| Zr96(n,p+d)Sr94 | -18946.53 keV |
| Zr96(n,n+2p)Sr94 | -21171.09 keV |

| | | |
|-------------------------------|---|---------------------------|
| << 40-Zr-94 | 40-Zr-96 | 41-Nb-93 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Sr93 production) | 41-Nb-93 MT1 (n,total) >> |



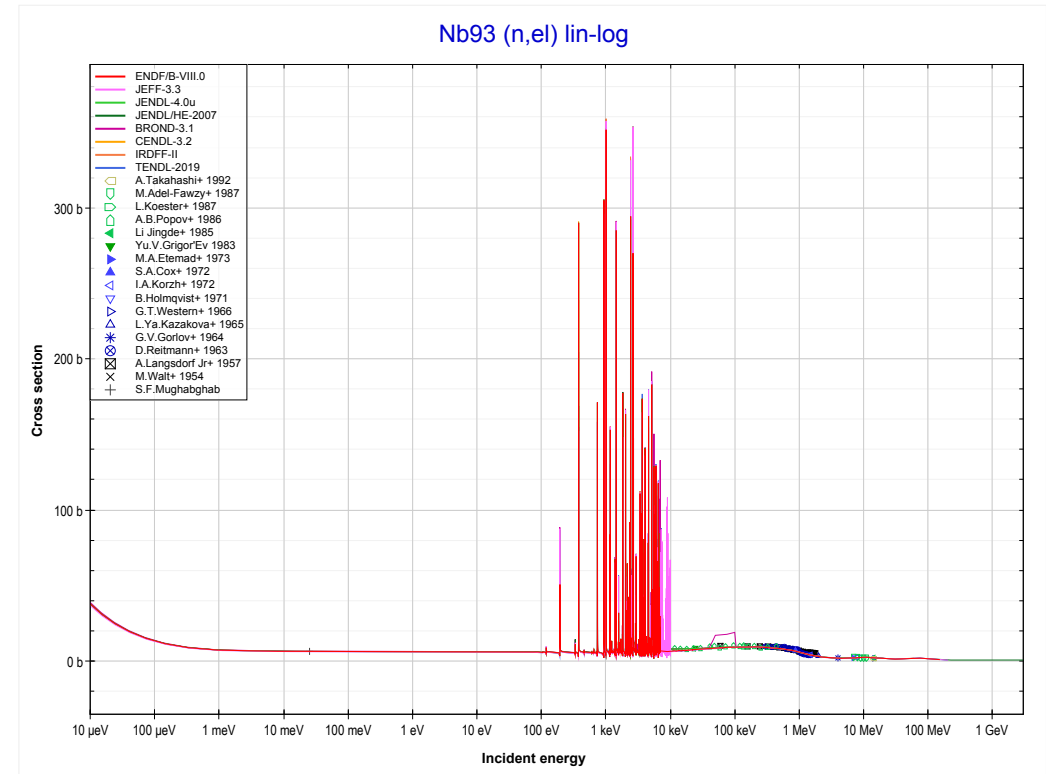
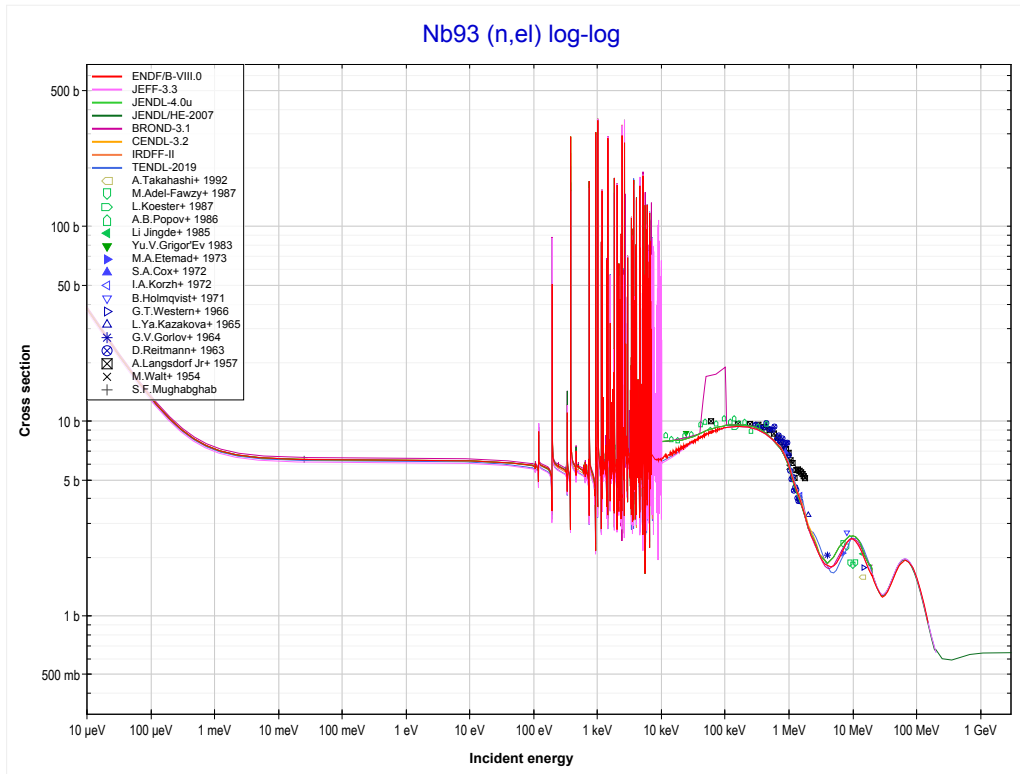
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22106E-19 b | 6.91768E-7 b | 0.00128843 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.60283E-7 b | 6.63918E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1352E-6 b | 0.0019186 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.4196E-32 b | 1.32111E-6 b | 0.00227604 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32112E-6 b | 0.00227604 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07592E-6 b | 0.0017 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.9832E-7 b | 0.00167205 b |
| TENDL-2019 | 1.0053E-20 b | 1.0053E-20 b | 1.1344E-20 b | 1.1284 | 1.22085E-19 b | 3.47666E-7 b | 6.34046E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 40-Zr-96 | 41-Nb-93 | 41-Nb-94 >> |
| << 40-Zr-96 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



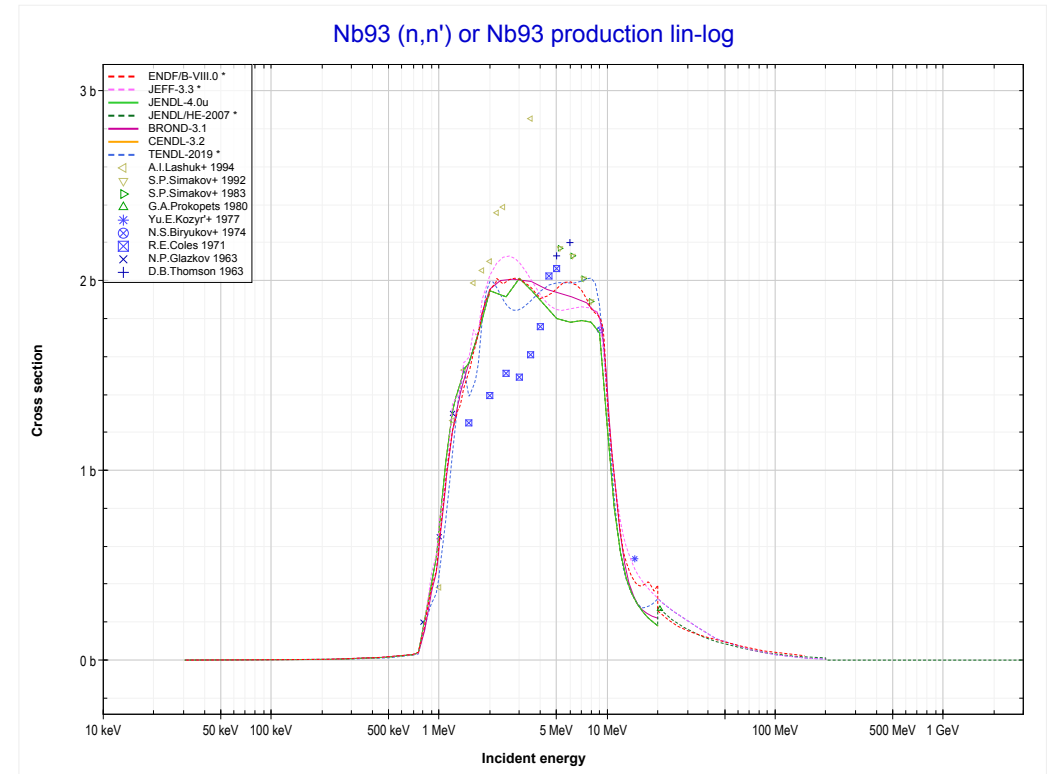
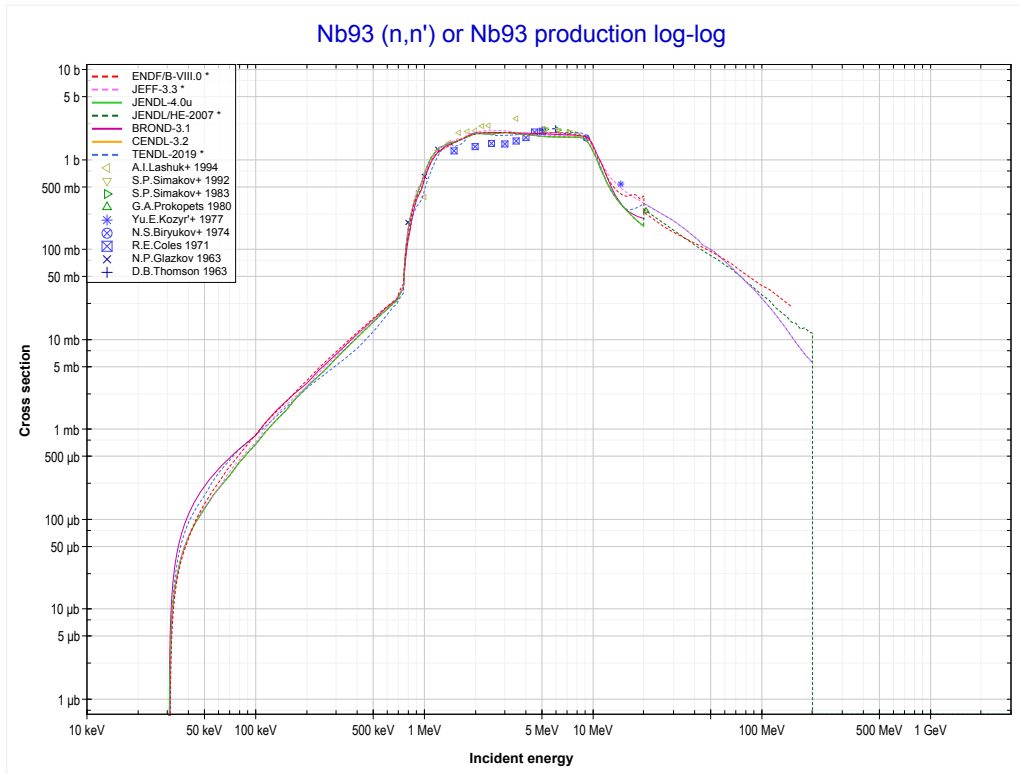
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.49743 b | 7.49743 b | 8.3133 b | 1.10882 | 97.4369 b | 5.79051 b | 3.966 b |
| JEFF-3.3 | 7.31524 b | 7.31524 b | 8.1065 b | 1.10817 | 95.5078 b | 5.83706 b | 3.87353 b |
| JENDL-4.0u | 7.49742 b | 7.49742 b | 8.3133 b | 1.10882 | 99.3925 b | 5.80529 b | 3.97139 b |
| JENDL/HE-2007 | 7.50246 b | 7.50246 b | 8.3181 b | 1.10872 | 99.6488 b | 5.80543 b | 3.97139 b |
| BROND-3.1 | 7.63506 b | 7.63506 b | 8.4708 b | 1.10946 | 108.034 b | 5.8849 b | 3.965 b |
| CENDL-3.2 | 7.49721 b | 7.49721 b | 8.3131 b | 1.10882 | 99.4131 b | 5.90334 b | 3.97139 b |
| IRDFF-II | 7.51976 b | 7.51976 b | 8.3398 b | 1.10905 | 95.7306 b | 5.79109 b | 3.966 b |
| TENDL-2019 | 7.43305 b | 7.43305 b | 8.2393 b | 1.10847 | 95.1009 b | 5.84236 b | 3.87646 b |

| | | |
|------------------|------------------------|---------------|
| << 40-Zr-96 | 41-Nb-93 | 42-Mo-92 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



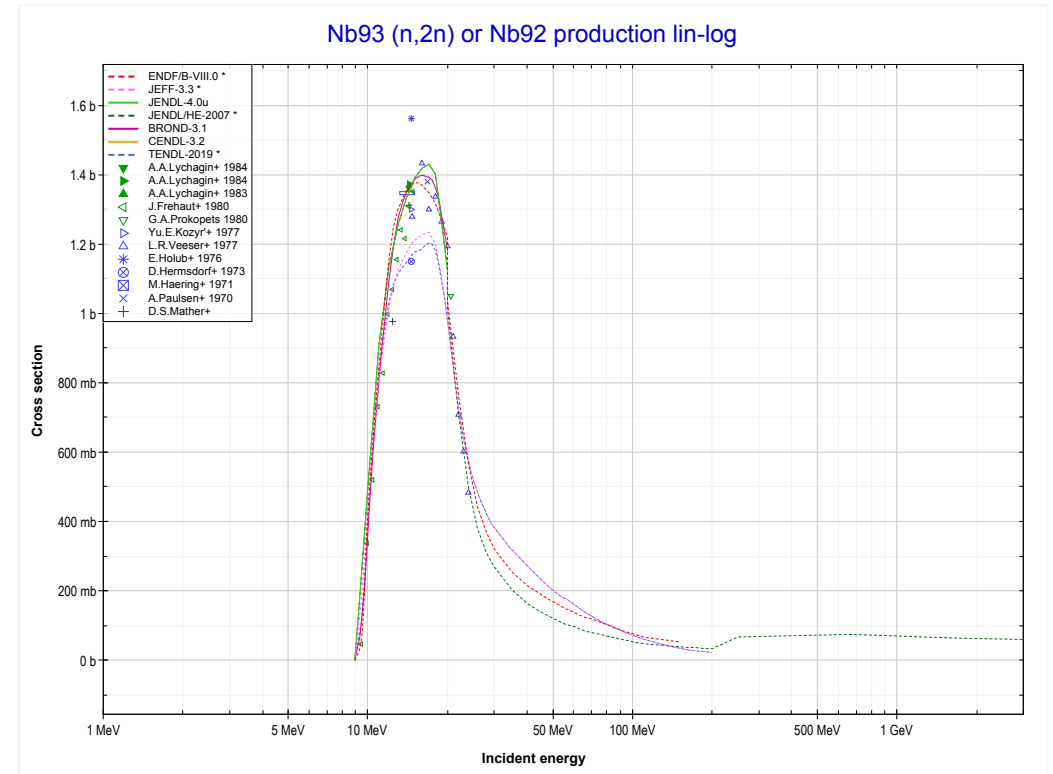
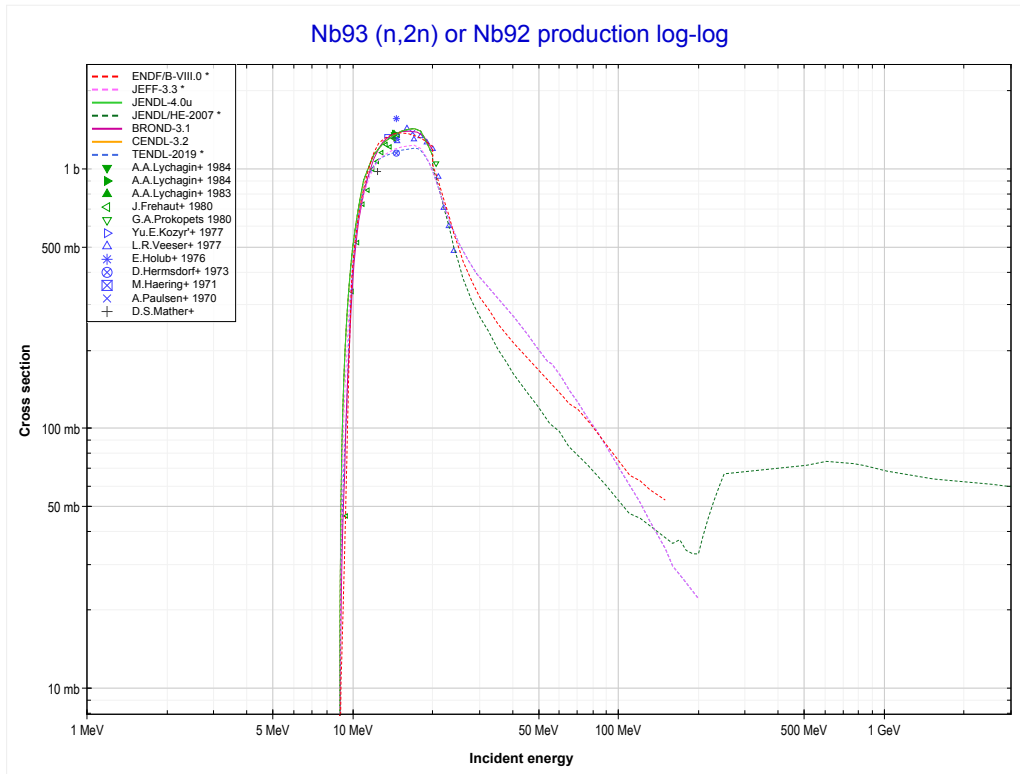
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.3552 b | 6.3552 b | 7.1708 b | 1.12834 | 88.672 b | 4.53189 b | 2.10583 b |
| JEFF-3.3 | 6.16429 b | 6.16429 b | 6.9554 b | 1.12834 | 86.2682 b | 4.53612 b | 2.09865 b |
| JENDL-4.0u | 6.35519 b | 6.35519 b | 7.1708 b | 1.12834 | 90.5859 b | 4.55176 b | 2.22932 b |
| JENDL/HE-2007 | 6.35369 b | 6.35369 b | 7.1695 b | 1.1284 | 90.3924 b | 4.5514 b | 2.22192 b |
| BROND-3.1 | 6.51045 b | 6.51045 b | 7.346 b | 1.12834 | 98.2742 b | 4.62401 b | 2.18461 b |
| CENDL-3.2 | 6.35519 b | 6.35519 b | 7.1712 b | 1.1284 | 90.6027 b | 4.64936 b | 2.22188 b |
| IRDFF-II | 6.3704 b | 6.3704 b | 7.1902 b | 1.12869 | 87.168 b | 4.5317 b | 2.10583 b |
| TENDL-2019 | 6.28025 b | 6.28025 b | 7.0866 b | 1.1284 | 86.2976 b | 4.63316 b | 2.29489 b |

| | | |
|--------------------|--|----------------|
| << 40-Zr-90 | 41-Nb-93 | 42-Mo-92 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Nb93 production) | MT16 (n,2n) >> |



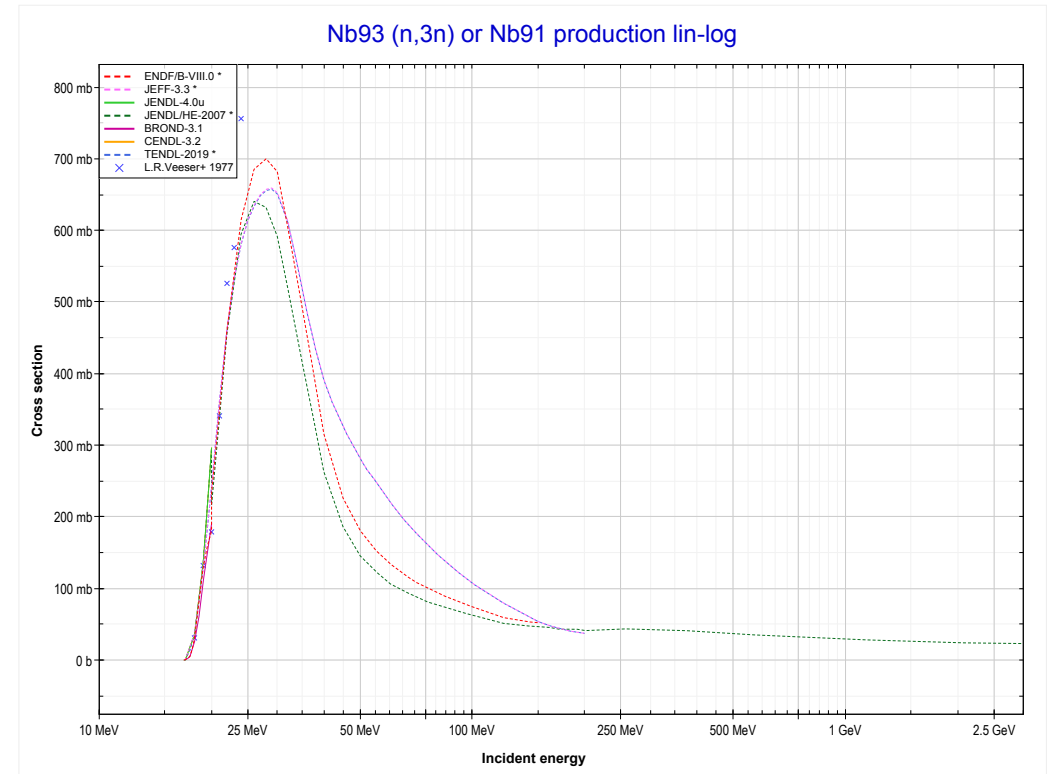
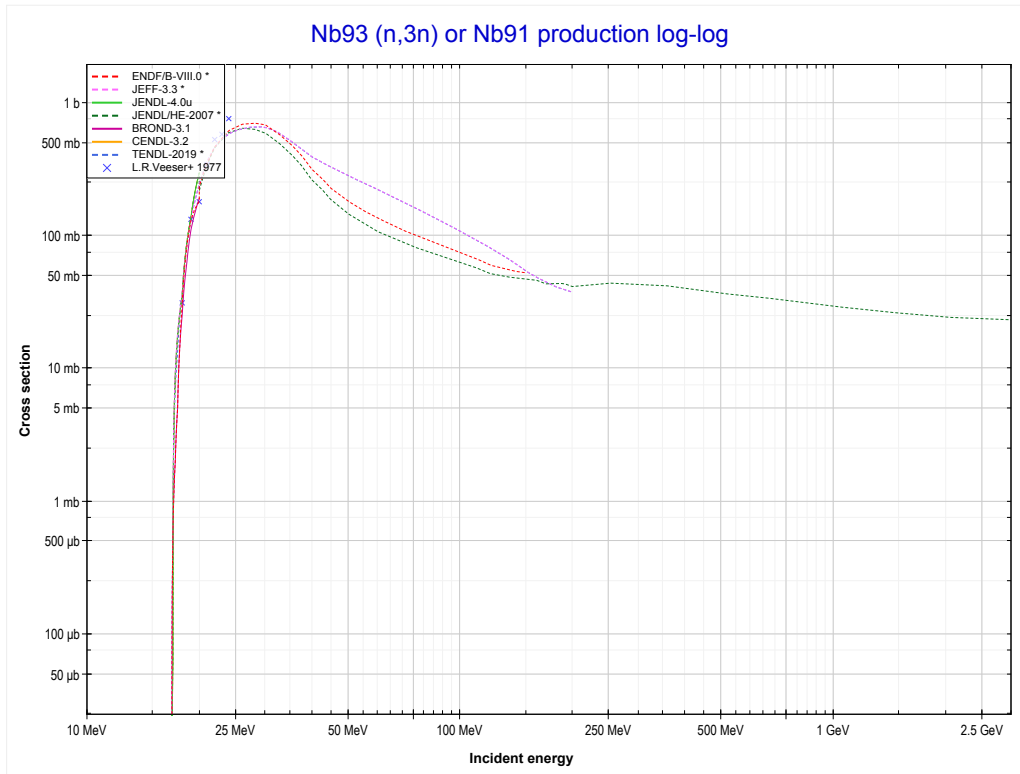
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.27969E-4 b | 1.22838 b | 0.440026 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.86622E-4 b | 1.27058 b | 0.516979 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 2.71729E-4 b | 1.22163 b | 0.349822 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 2.71729E-4 b | 1.22163 b | 0.349822 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.05069E-4 b | 1.23152 b | 0.364875 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 2.71729E-4 b | 1.22163 b | 0.349822 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 3.77494E-4 b | 1.18032 b | 0.350788 b |

| | | |
|---------------|---|----------------|
| << 40-Zr-96 | 41-Nb-93 | 42-Mo-92 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Nb92 production) | MT17 (n,3n) >> |



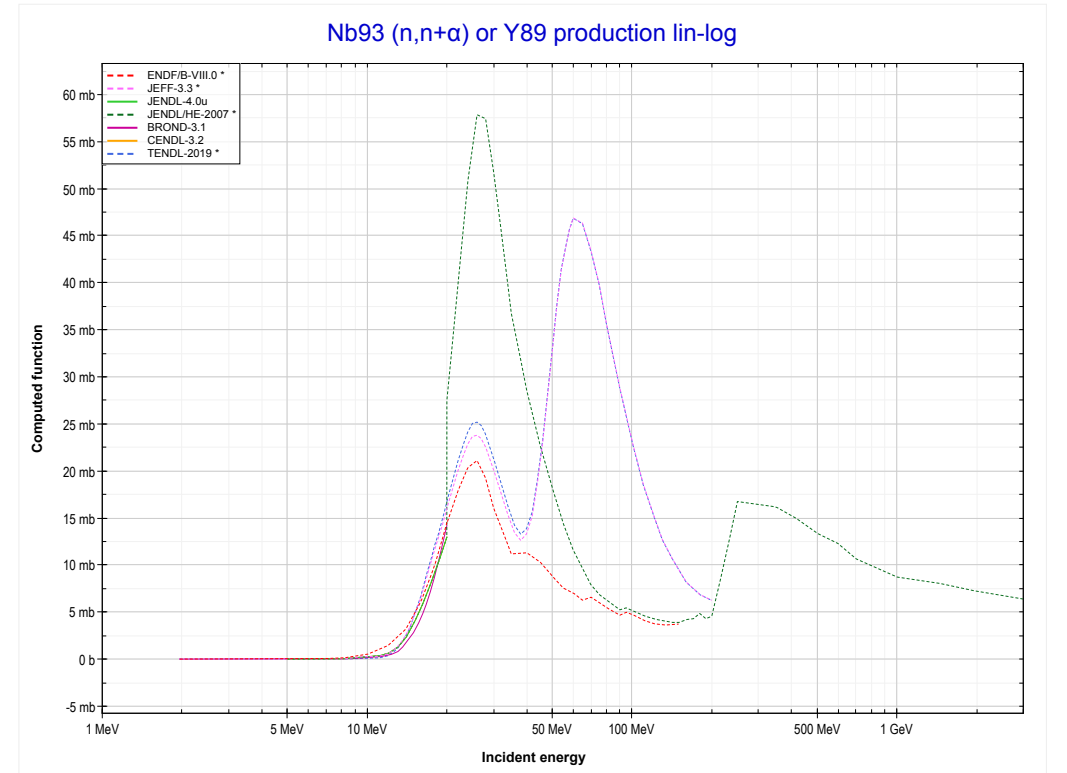
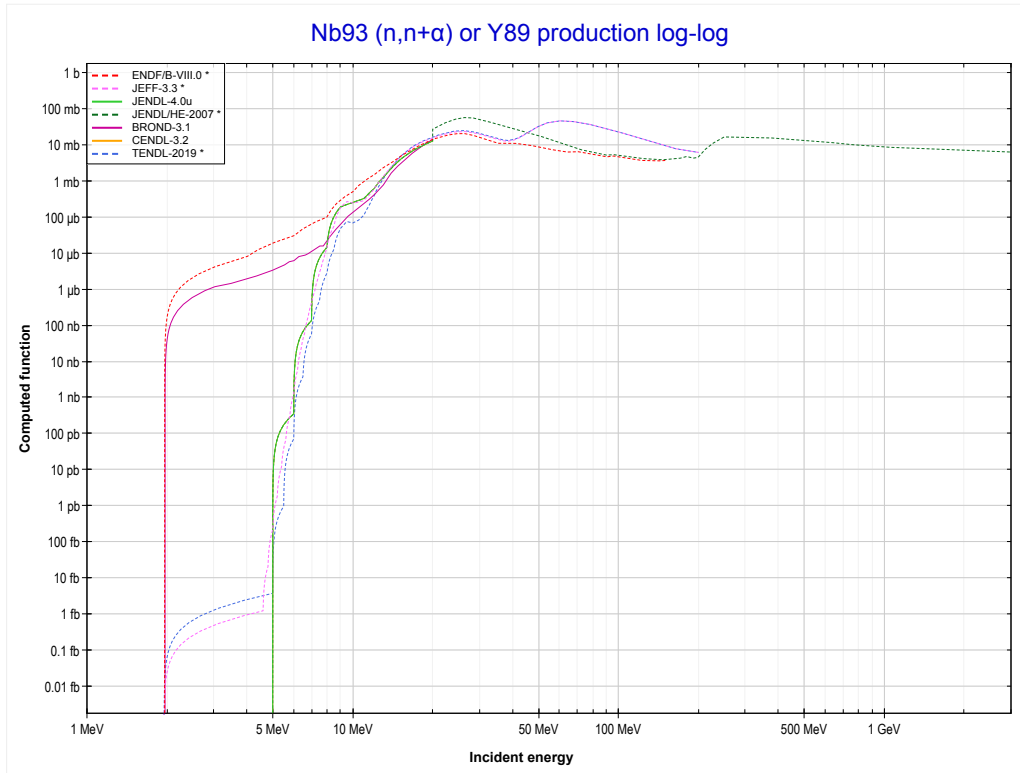
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00195669 b | 1.356 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00197776 b | 1.17709 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0022697 b | 1.33458 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00226969 b | 1.33458 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0019103 b | 1.351 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00226969 b | 1.33458 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00189841 b | 1.14904 b |

| | | |
|----------------|---|--------------------|
| << 40-Zr-90 | 41-Nb-93 | >> 42-Mo-95 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Nb91 production) | >> MT22 (n,n+α) >> |



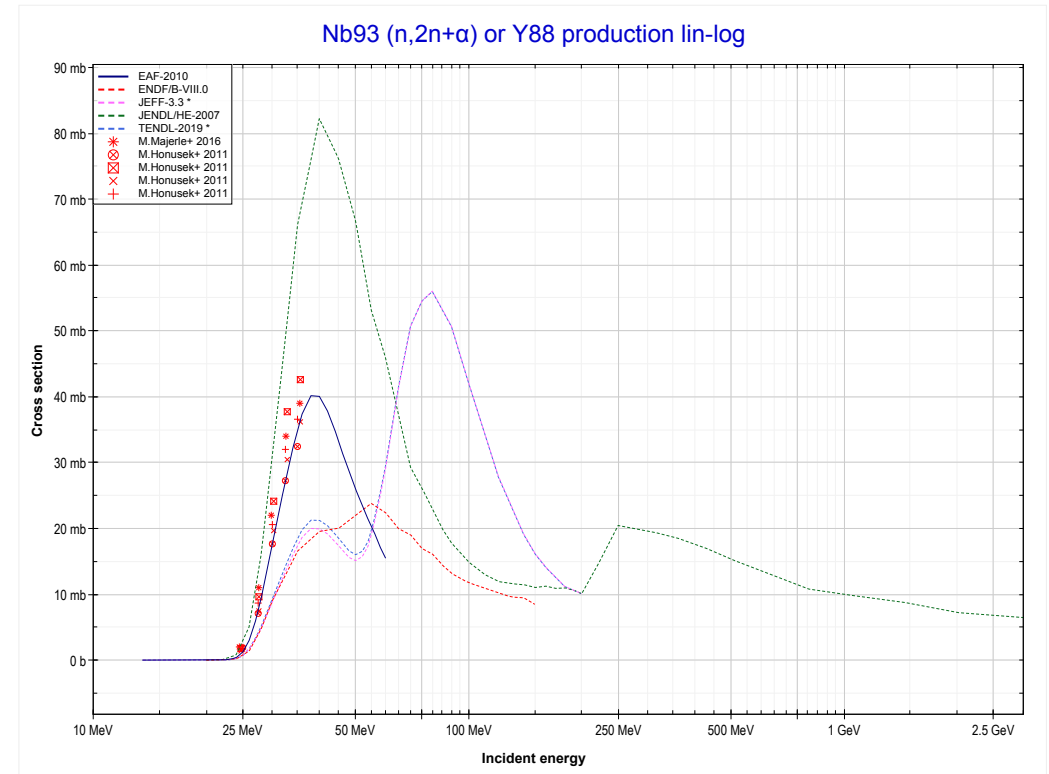
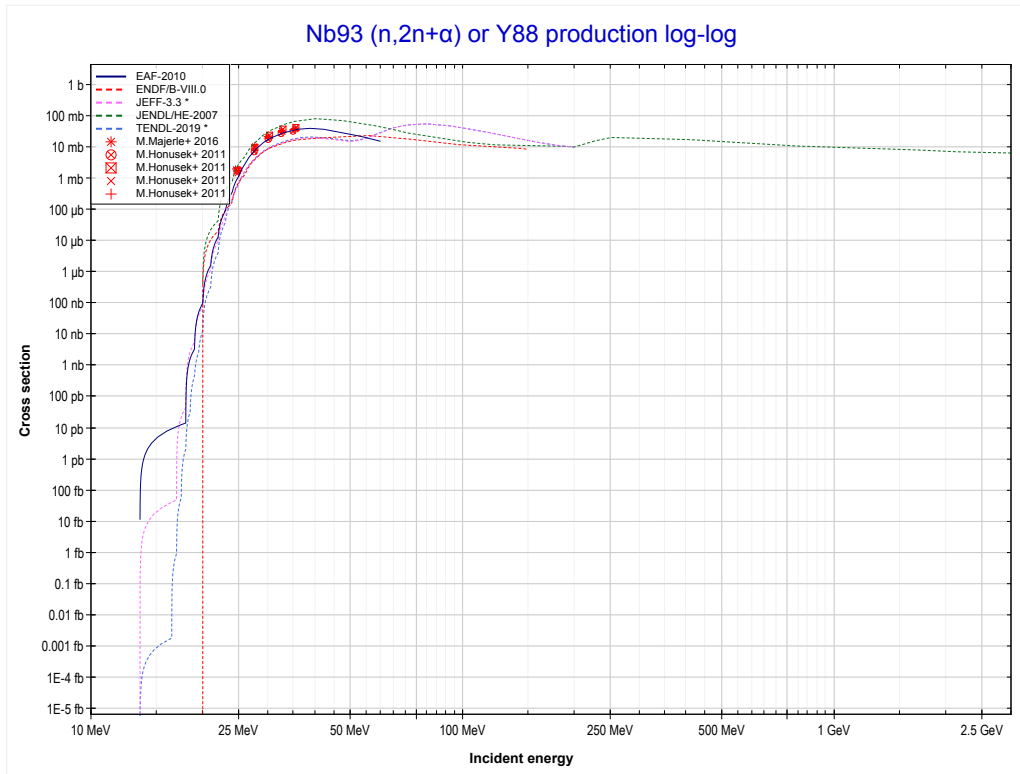
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.84571E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.03358E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.50522E-7 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.50521E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.11189E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.50521E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.80601E-7 b | 0 b |

| | | |
|----------------|---|------------------|
| << 40-Zr-96 | 41-Nb-93 | 42-Mo-92 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Y89 production) | MT24 (n,2n+α) >> |



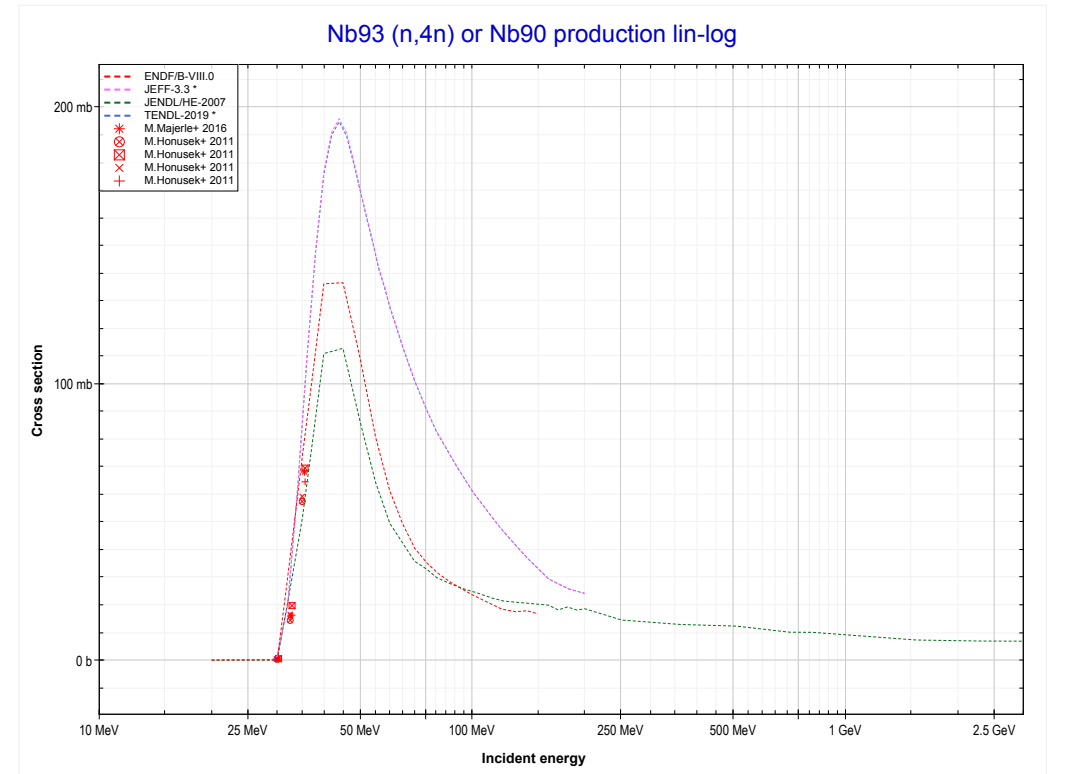
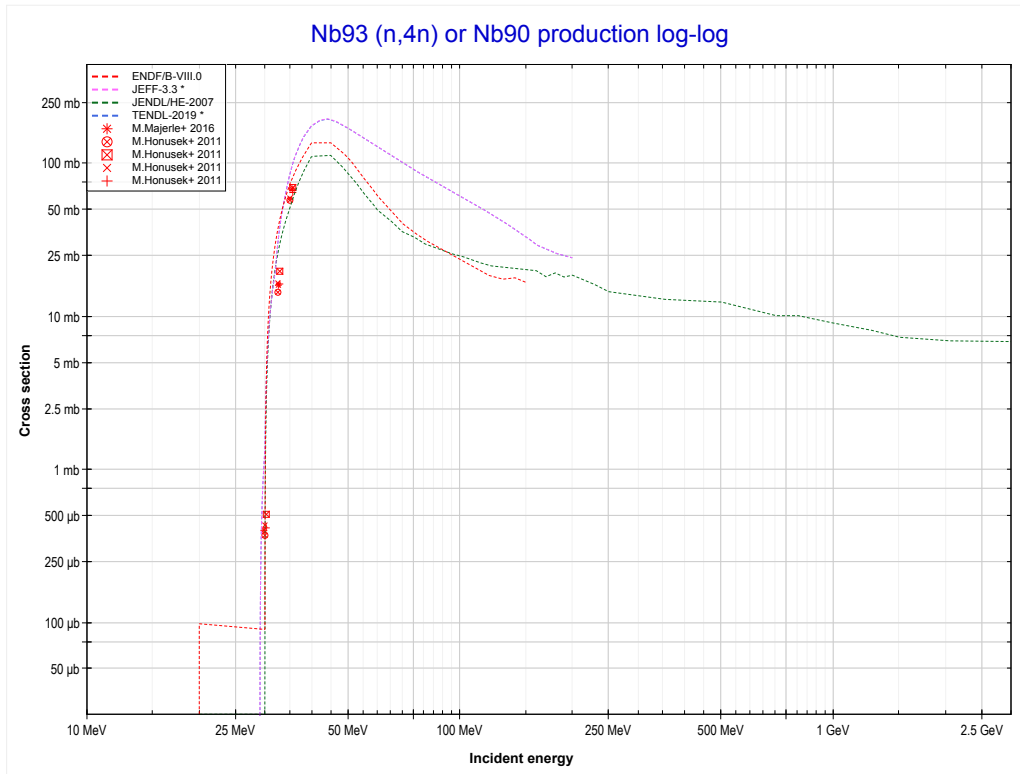
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.89562E-6 b | 0.0032 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.29205E-6 b | 0.0025632 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.30504E-6 b | 0.00226197 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30503E-6 b | 0.00226197 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12502E-6 b | 0.00171 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30503E-6 b | 0.00226197 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39242E-6 b | 0.00247817 b |

| | | |
|-----------------|--|----------------|
| << 27-Co-59 | 41-Nb-93 | |
| << MT22 (n,n+α) | MT24 (n,2n+α) or MT5 (Y88 production) | MT37 (n,4n) >> |



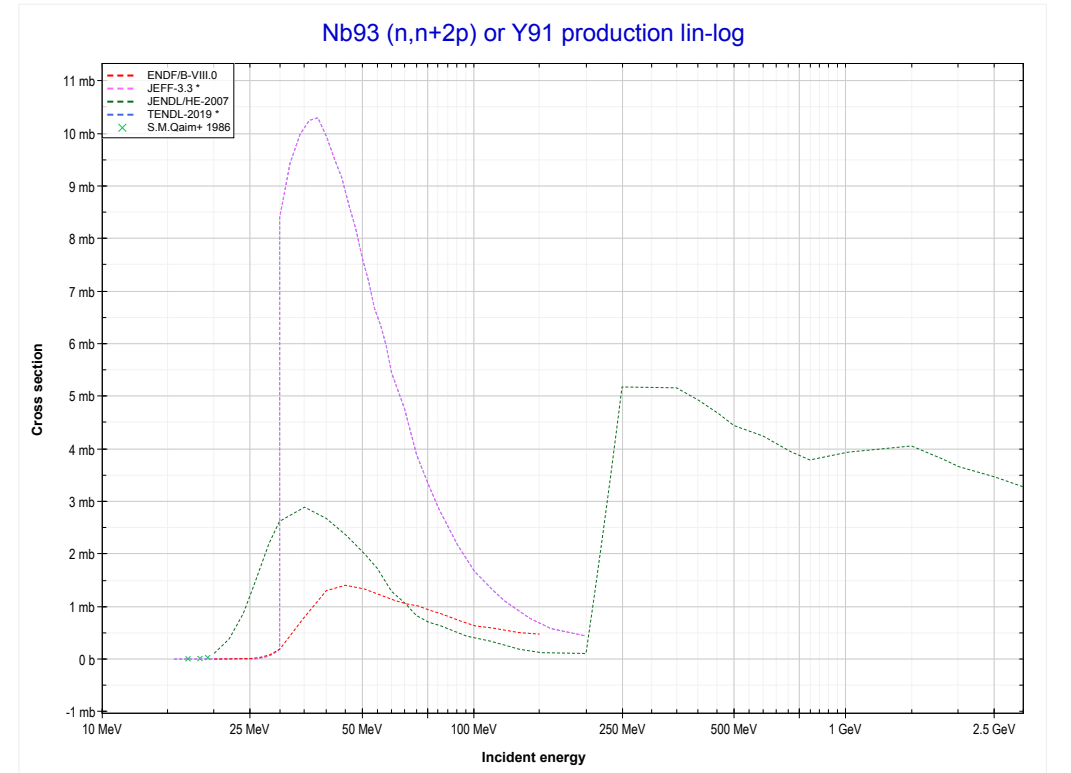
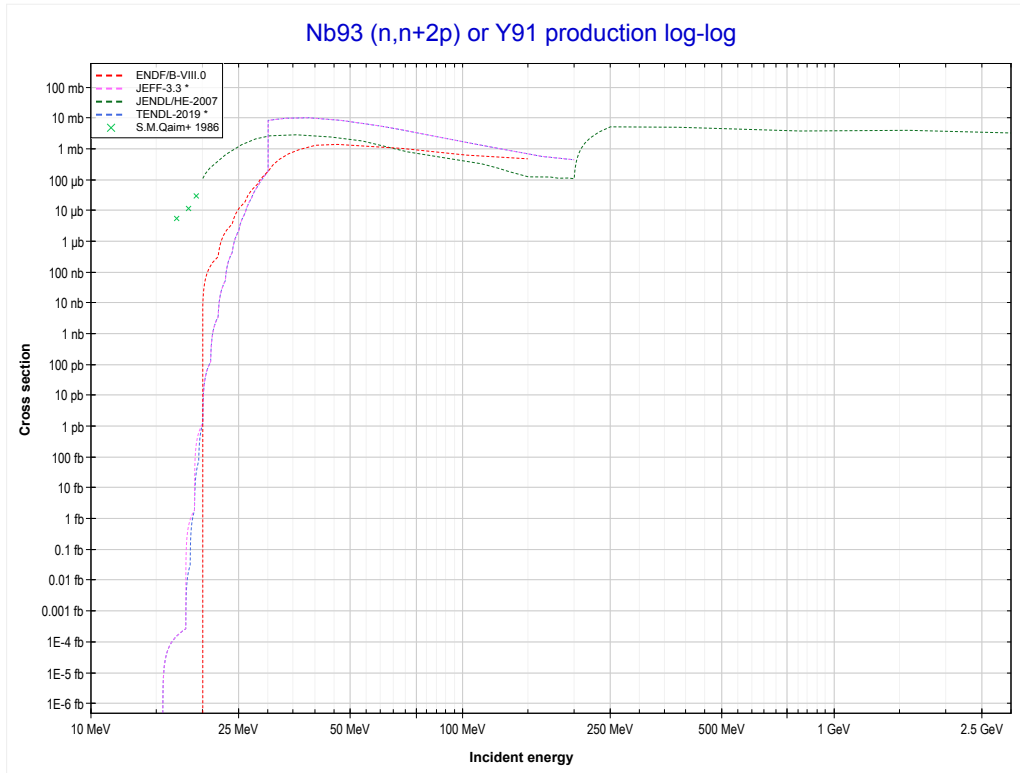
| Reaction | Q-Value |
|-------------------|---------------|
| Nb93(n,2n+α)Y88 | -13410.03 keV |
| Nb93(n,2t)Y88 | -24742.10 keV |
| Nb93(n,n+d+t)Y88 | -30999.33 keV |
| Nb93(n,2n+p+t)Y88 | -33223.90 keV |
| Nb93(n,3n+He3)Y88 | -33987.65 keV |
| Nb93(n,2n+2d)Y88 | -37256.56 keV |
| Nb93(n,3n+p+d)Y88 | -39481.13 keV |
| Nb93(n,4n+2p)Y88 | -41705.69 keV |

| | | |
|------------------|---|------------------|
| << 39-Y-89 | 41-Nb-93 | 53-I-127 >> |
| << MT24 (n,2n+α) | MT37 (n,4n) or MT5 (Nb90 production) | MT44 (n,n+2p) >> |



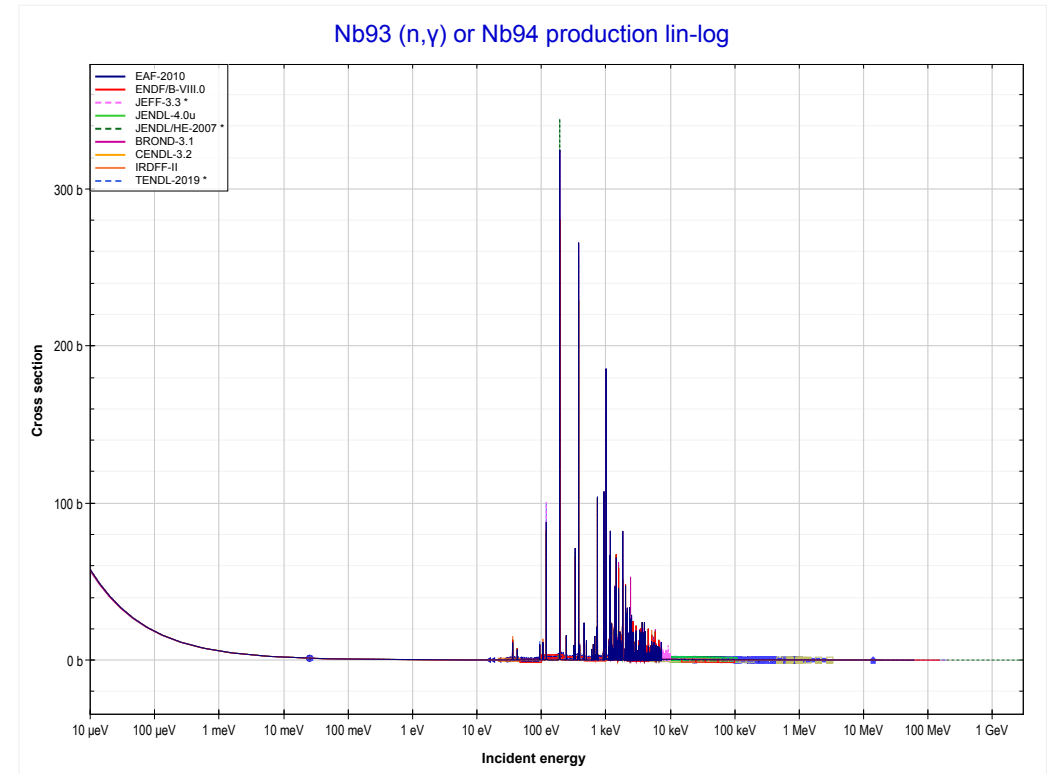
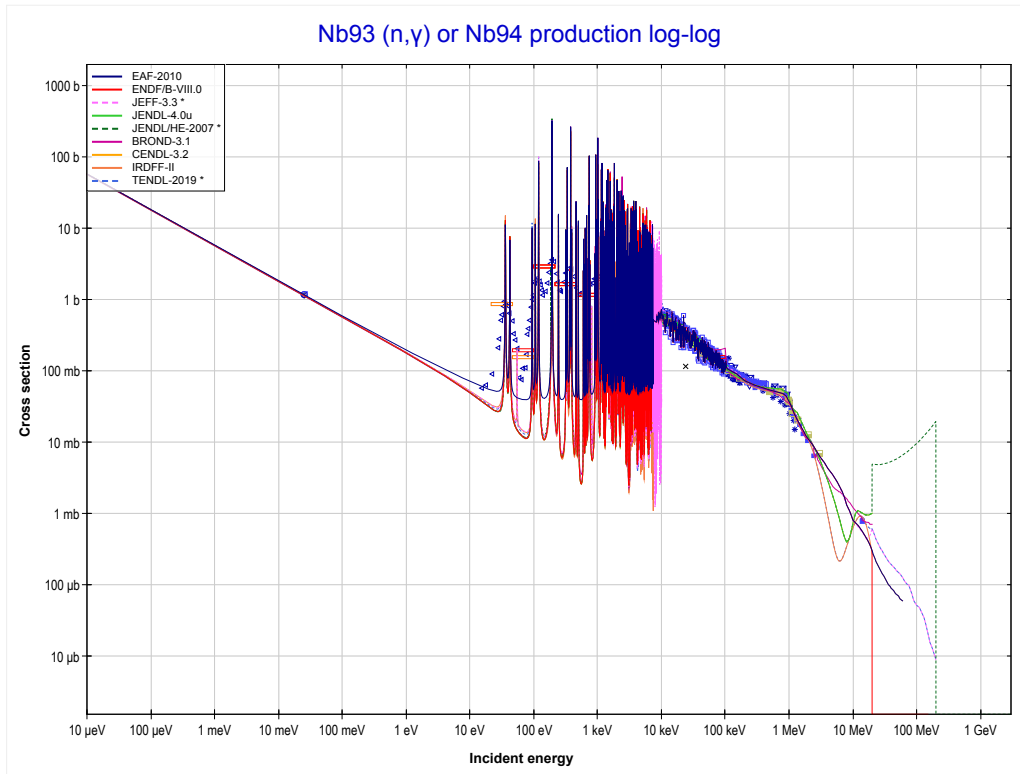
| Reaction | Q-Value |
|----------------|---------------|
| Nb93(n,4n)Nb90 | -28764.75 keV |

| | | |
|----------------|--|-------------------------|
| << 33-As-75 | 41-Nb-93 | 49-In-115 >> |
| << MT37 (n,4n) | MT44 (n,n+2p) or MT5 (Y91 production) | MT102 (n, γ) >> |



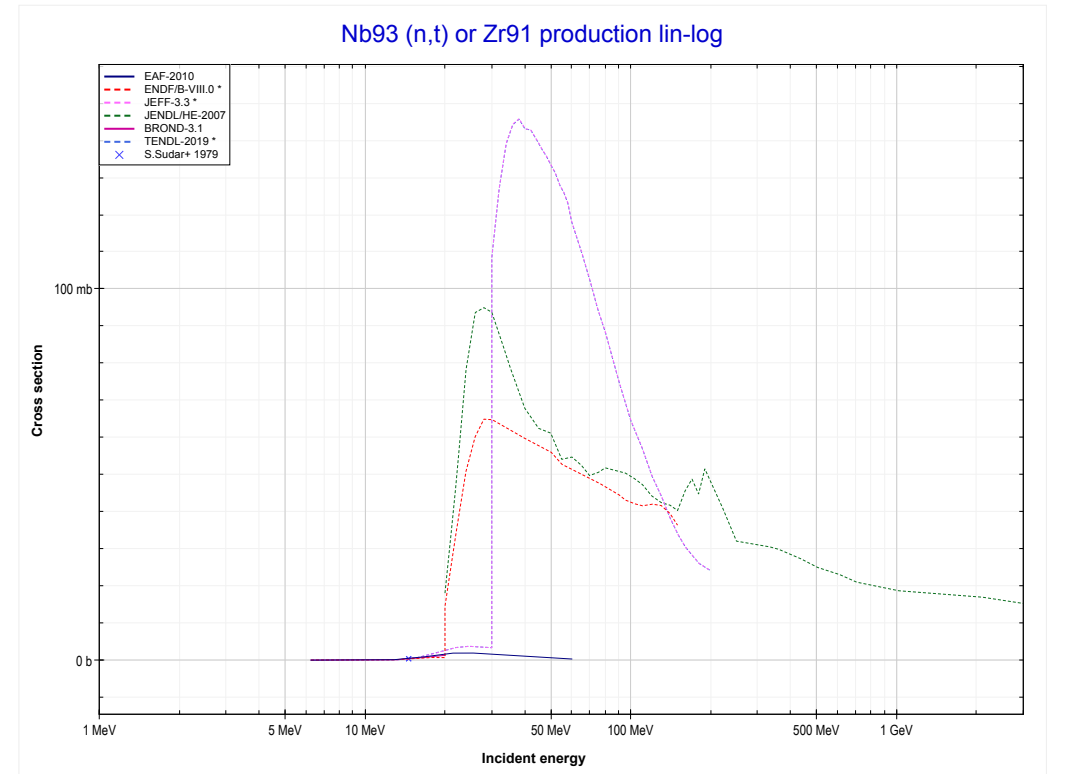
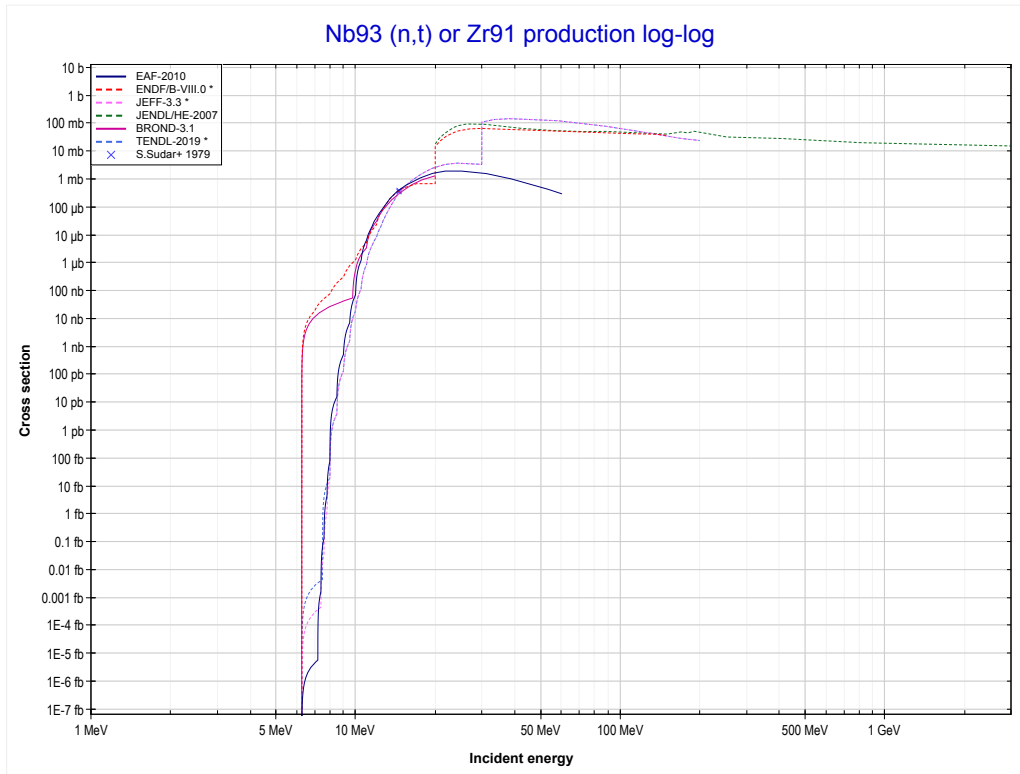
| Reaction | Q-Value |
|-----------------|---------------|
| Nb93(n,He3)Y91 | -7721.40 keV |
| Nb93(n,p+d)Y91 | -13214.88 keV |
| Nb93(n,n+2p)Y91 | -15439.44 keV |

| | | |
|------------------|---|----------------|
| << 40-Zr-96 | 41-Nb-93 | 41-Nb-94 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Nb94 production) | MT105 (n,t) >> |



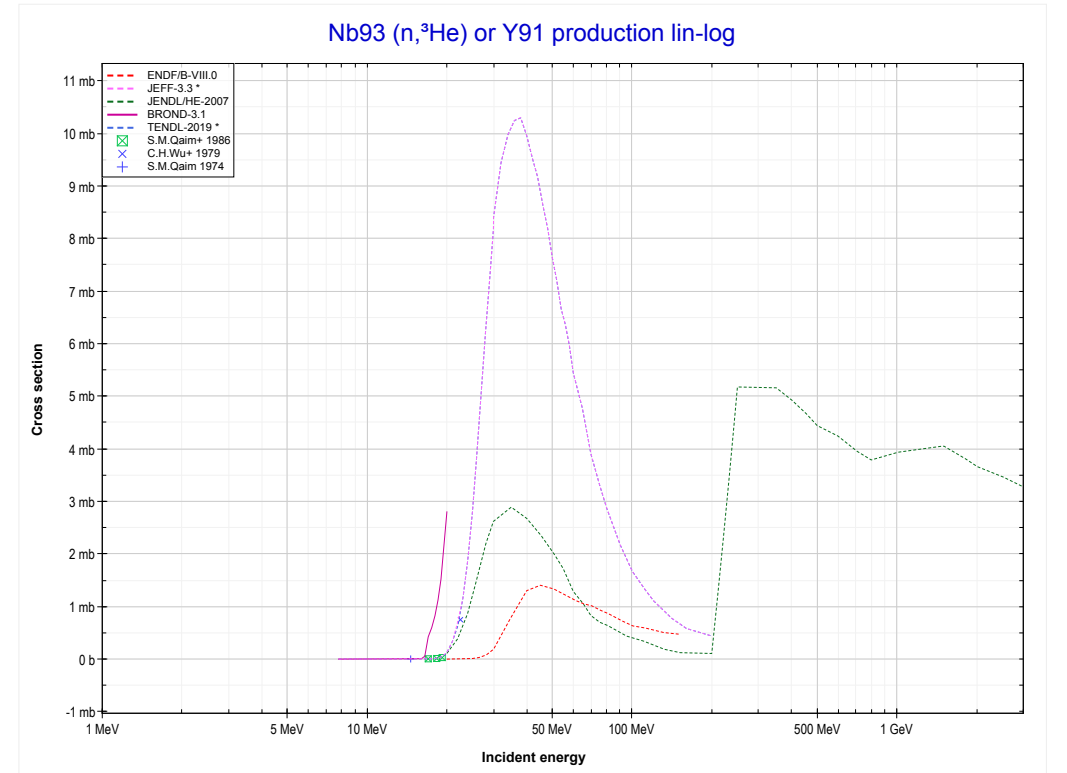
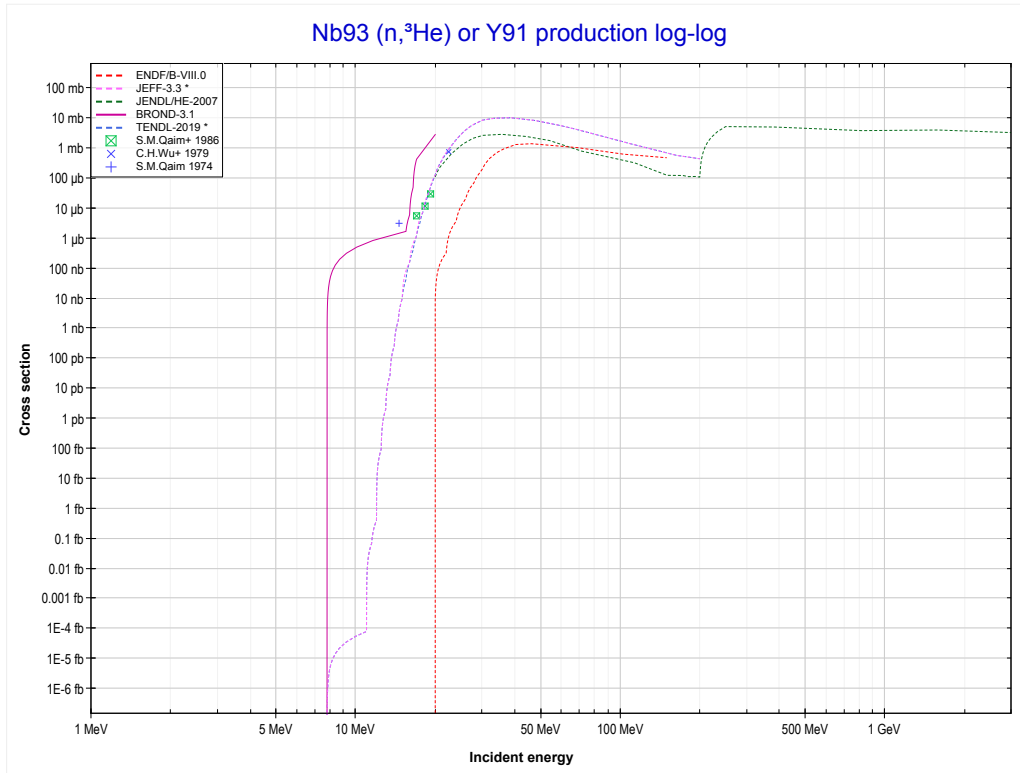
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.15623 b | 1.15537 b | 1.1569 b | 1.00136 | 9.74727 b | 0.0278309 b | 5.60002E-4 b |
| ENDF/B-VIII.0 | 1.14223 b | 1.14223 b | 1.1425 b | 1.00021 | 8.76457 b | 0.0278476 b | 5.6E-4 b |
| JEFF-3.3 | 1.15094 b | 1.15094 b | 1.1511 b | 1.00017 | 9.23923 b | 0.0279599 b | 5.41633E-4 b |
| JENDL-4.0u | 1.14223 b | 1.14223 b | 1.1425 b | 1.00021 | 8.80625 b | 0.0292057 b | 0.0010023 b |
| JENDL/HE-2007 | 1.14876 b | 1.14876 b | 1.1486 b | 0.99985 | 9.25053 b | 0.029144 b | 0.0010023 b |
| BROND-3.1 | 1.12461 b | 1.12461 b | 1.1248 b | 1.00021 | 9.75912 b | 0.0269315 b | 8E-4 b |
| CENDL-3.2 | 1.14201 b | 1.14201 b | 1.1418 b | 0.99984 | 8.80504 b | 0.0291869 b | 0.0010023 b |
| IRDF-III | 1.14936 b | 1.14936 b | 1.1495 b | 1.00013 | 8.59064 b | 0.0256945 b | 8.92355E-4 b |
| TENDL-2019 | 1.1528 b | 1.1528 b | 1.1527 b | 0.99988 | 8.79841 b | 0.0257458 b | 8.92261E-4 b |

| | | |
|-------------------------|---|------------------------------|
| << 40-Zr-90 | 41-Nb-93 | 42-Mo-92 >> |
| << MT102 (n, γ) | MT105 (n,t) or MT5 (Zr91 production) | MT106 (n, ^3He) >> |



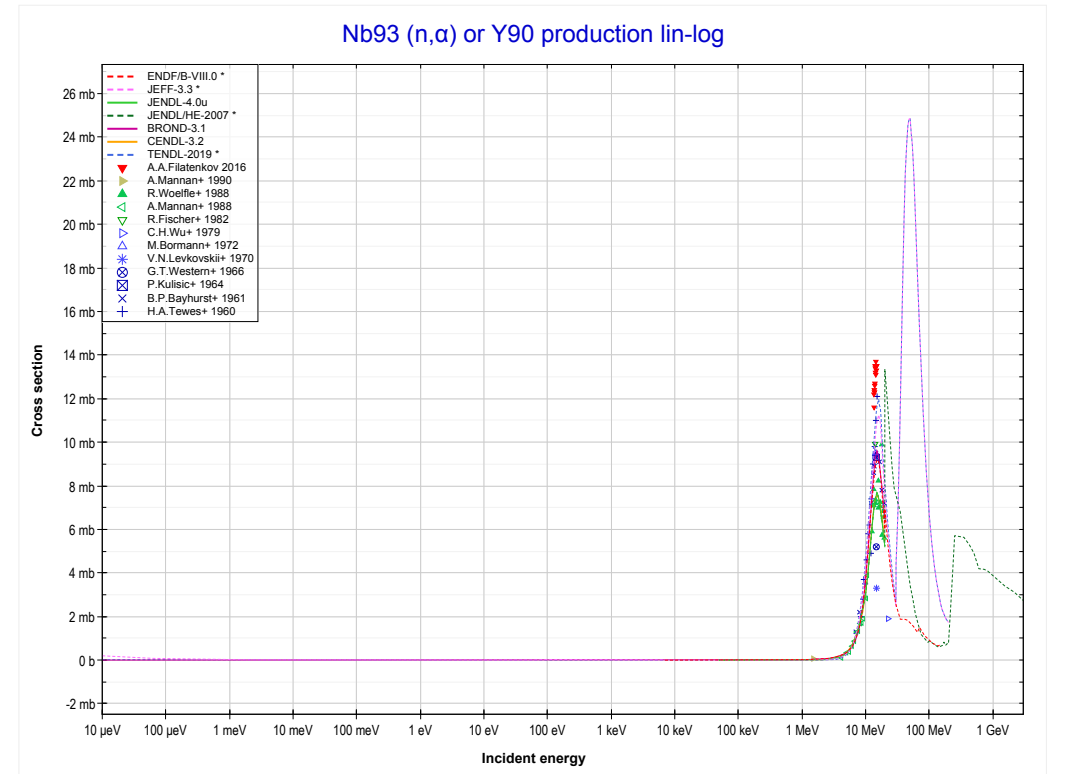
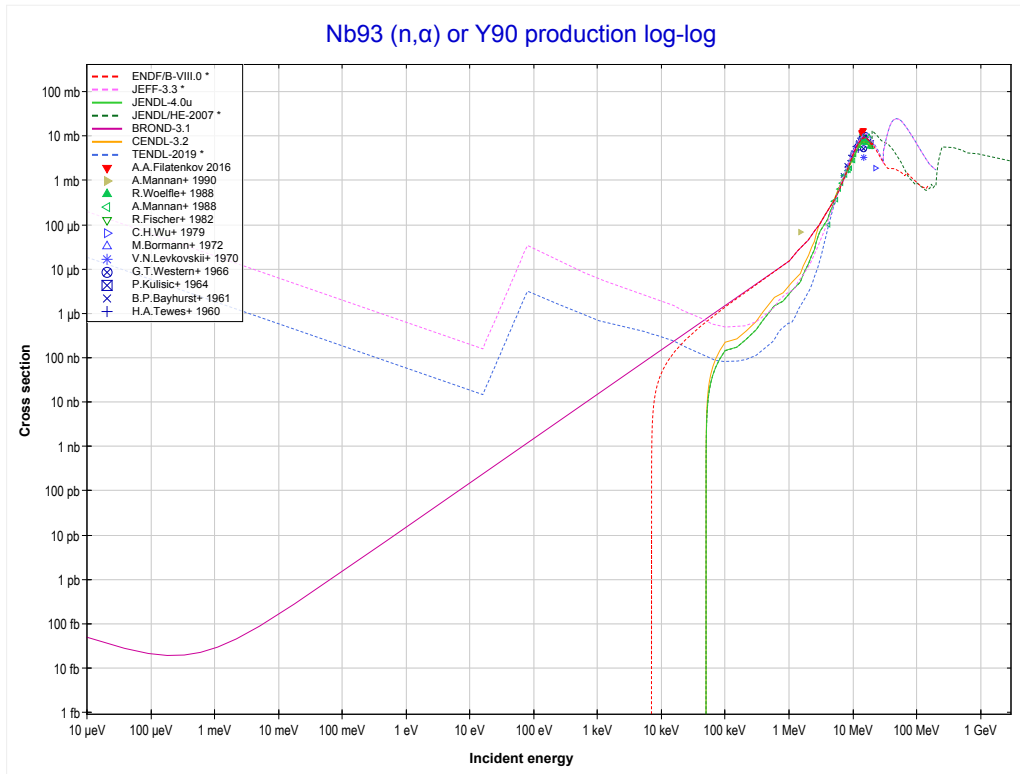
| Reaction | Q-Value |
|------------------|---------------|
| Nb93(n,t)Zr91 | -6195.72 keV |
| Nb93(n,n+d)Zr91 | -12452.95 keV |
| Nb93(n,2n+p)Zr91 | -14677.52 keV |

| | | |
|----------------|---|----------------|
| << 40-Zr-96 | 41-Nb-93 | 43-Tc-99 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Y91 production) | MT107 (n,α) >> |



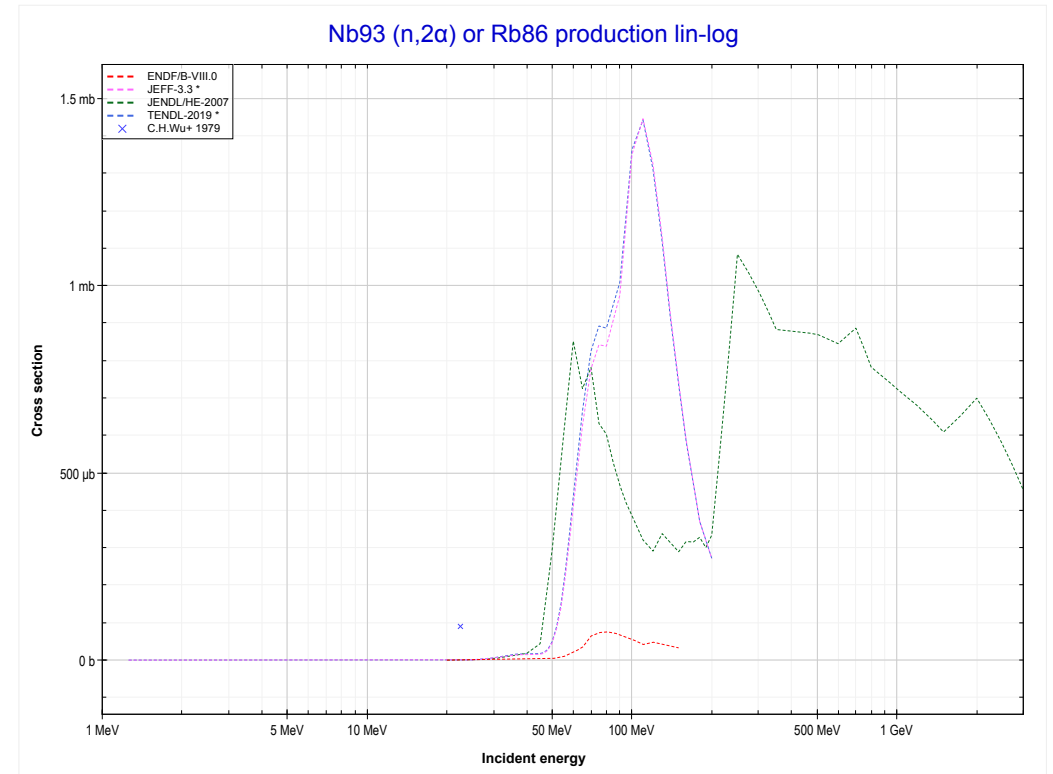
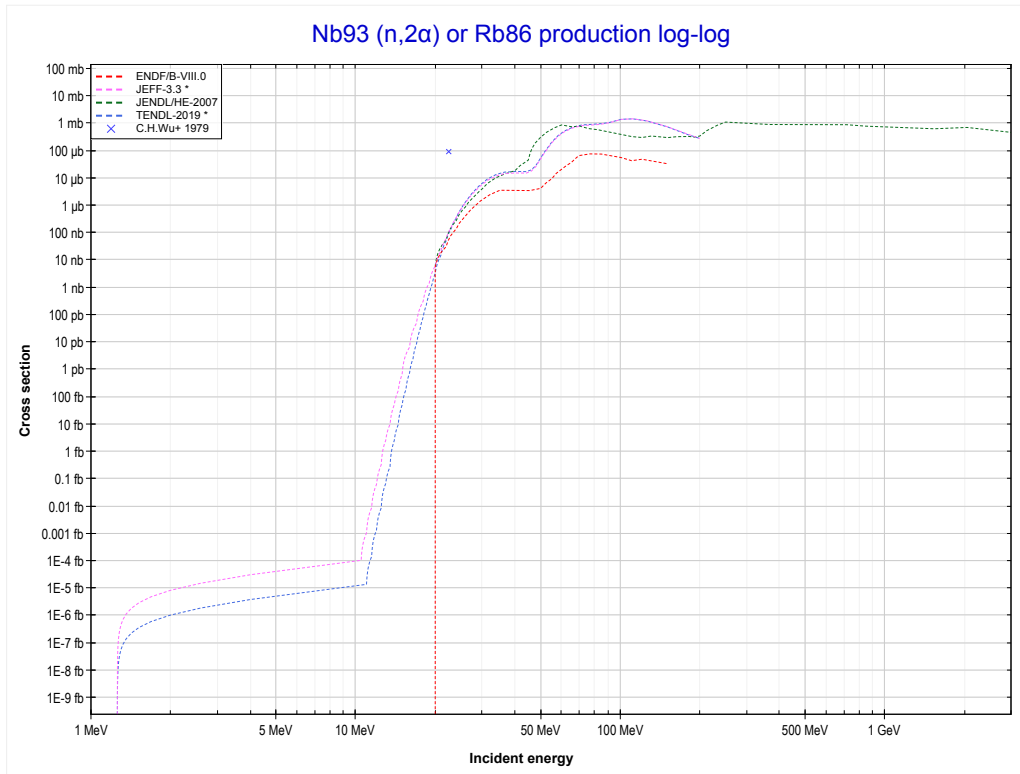
| Reaction | Q-Value |
|-----------------|---------------|
| Nb93(n,He3)Y91 | -7721.40 keV |
| Nb93(n,p+d)Y91 | -13214.88 keV |
| Nb93(n,n+2p)Y91 | -15439.44 keV |

| | | |
|-------------------------------|--|--------------------------|
| << 40-Zr-96 | 41-Nb-93 | 42-Mo-92 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Y90 production) | MT108 (n, 2α) >> |



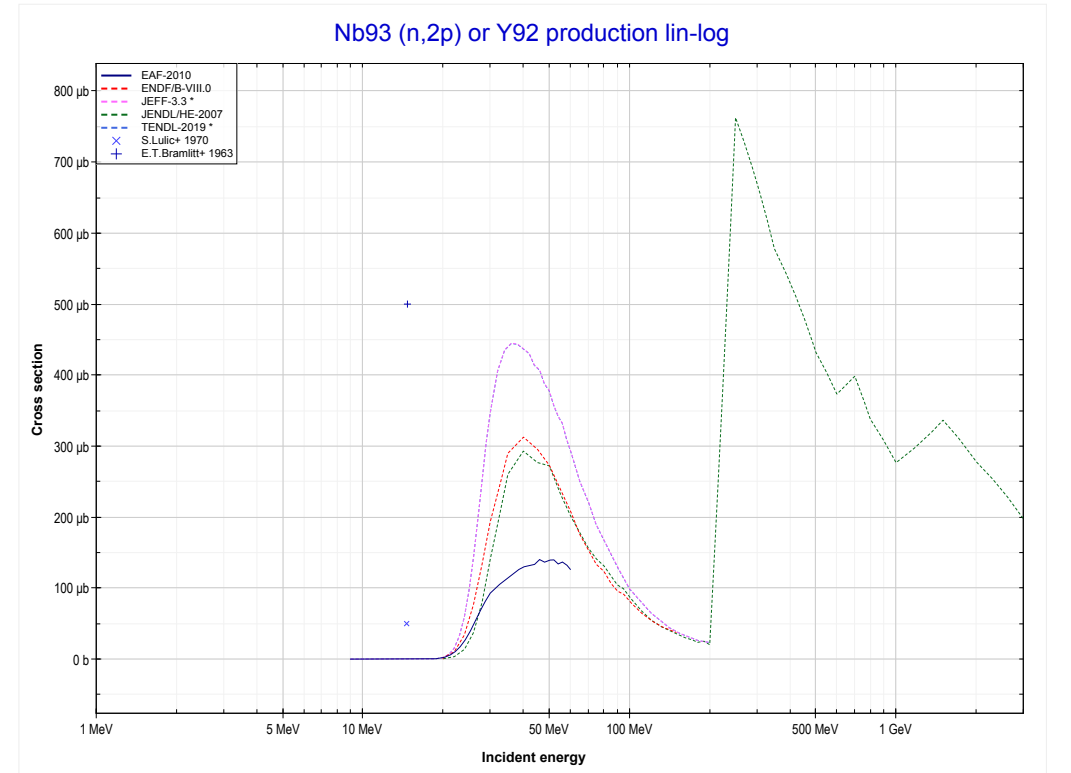
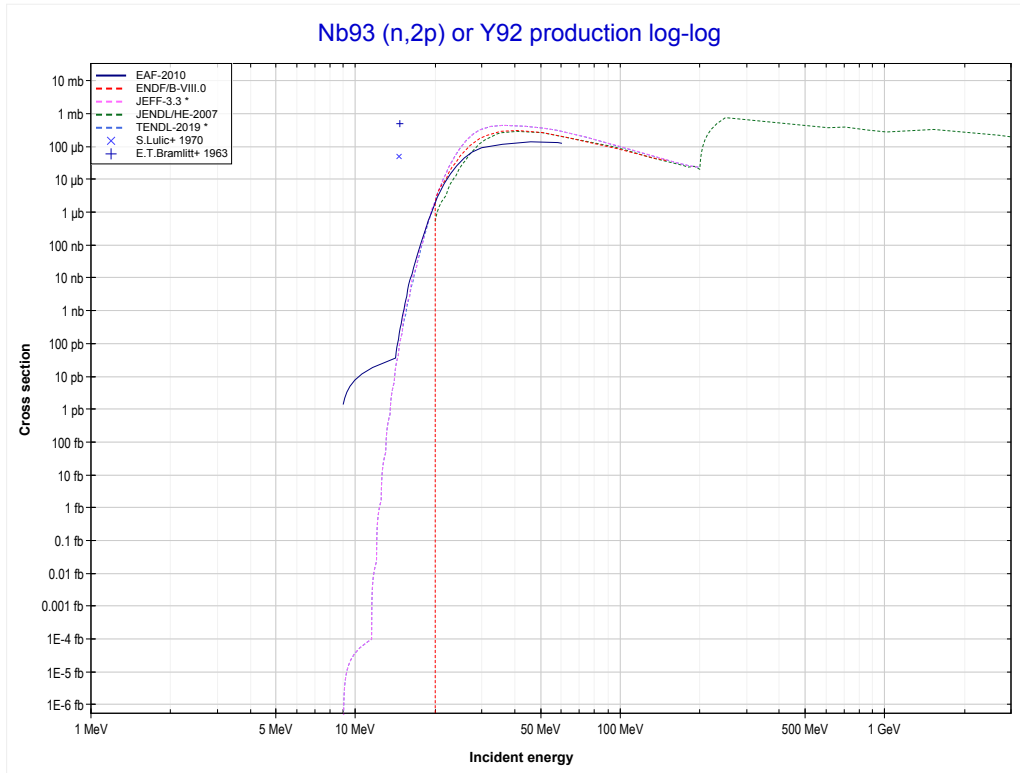
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.12364E-6 b | 1.11184E-4 b | 0.0088 b |
| JEFF-3.3 | 3.95955E-6 b | 3.95955E-6 b | 3.9584E-6 b | 0.9997 | 6.36111E-5 b | 8.82849E-5 b | 0.00995942 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 4.50249E-8 b | 8.66942E-5 b | 0.0073392 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 4.50248E-8 b | 8.66942E-5 b | 0.0073392 b |
| BROND-3.1 | 3.9174E-13 b | 3.9174E-13 b | 8.7026E-13 b | 2.22151 | 1.49999E-6 b | 1.11354E-4 b | 0.009174 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 6.9269E-8 b | 1.01119E-4 b | 0.0073731 b |
| TENDL-2019 | 3.69422E-7 b | 3.69422E-7 b | 3.6916E-7 b | 0.99928 | 6.6907E-6 b | 8.13425E-5 b | 0.0106401 b |

| | | |
|-------------------------|--|-----------------|
| << 30-Zn-68 | 41-Nb-93 | 42-Mo-92 >> |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Rb86 production) | MT111 (n,2p) >> |



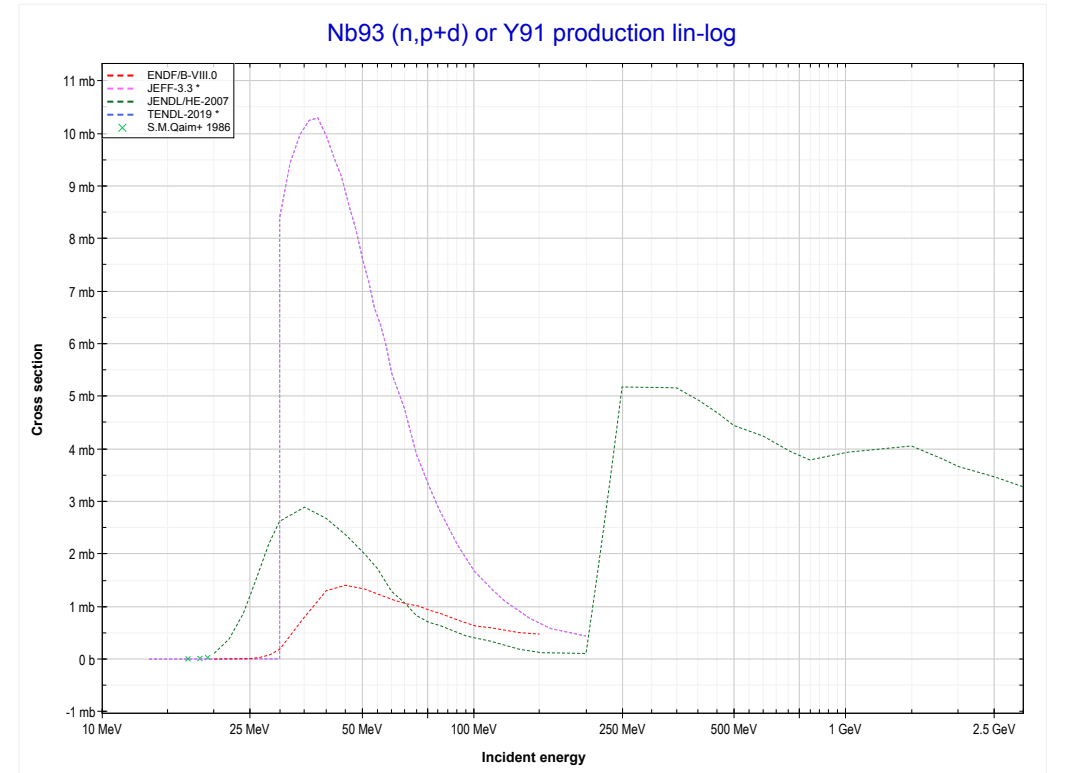
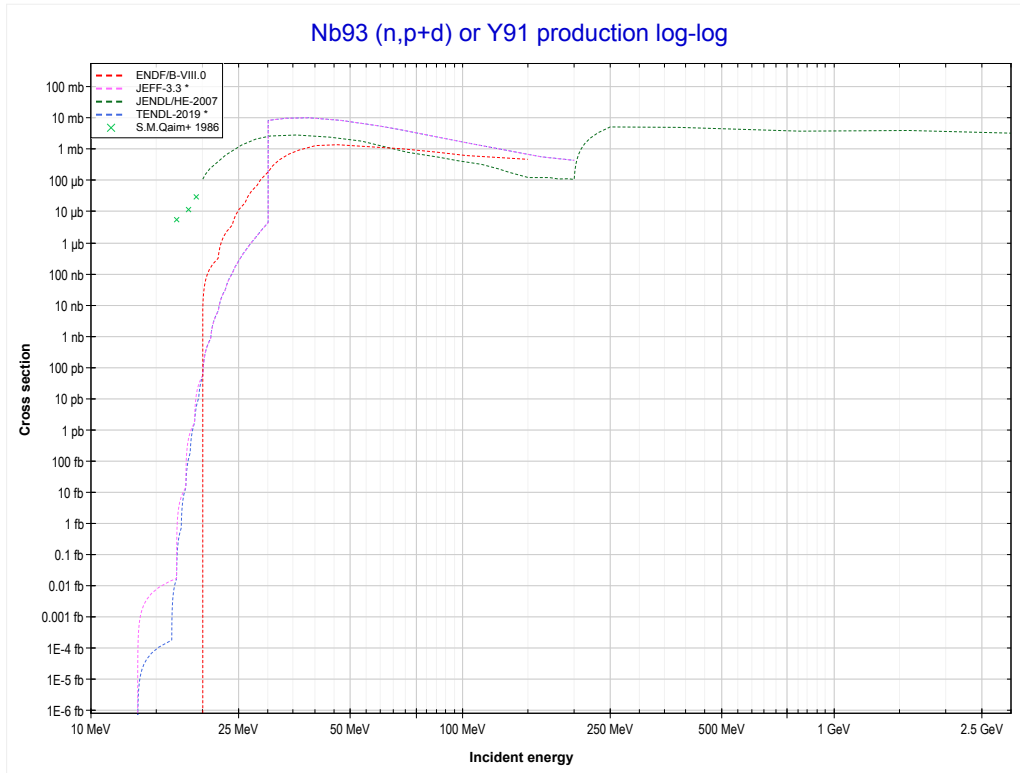
| Reaction | Q-Value | Reaction | Q-Value |
|------------------------------|---------------|------------------------|---------------|
| Nb93(n,2 α)Rb86 | -1244.32 keV | Nb93(n,n+p+t+He3)Rb86 | -41635.81 keV |
| Nb93(n,p+t+ α)Rb86 | -21058.19 keV | Nb93(n,2n+2He3)Rb86 | -42399.56 keV |
| Nb93(n,n+He3+ α)Rb86 | -21821.94 keV | Nb93(n,p+2d+t)Rb86 | -44904.72 keV |
| Nb93(n,2d+ α)Rb86 | -25090.85 keV | Nb93(n,n+2d+He3)Rb86 | -45668.47 keV |
| Nb93(n,n+p+d+ α)Rb86 | -27315.42 keV | Nb93(n,n+2p+d+t)Rb86 | -47129.28 keV |
| Nb93(n,2n+2p+ α)Rb86 | -29539.98 keV | Nb93(n,2n+p+d+He3)Rb86 | -47893.04 keV |
| Nb93(n,d+t+He3)Rb86 | -39411.24 keV | Nb93(n,4d)Rb86 | -48937.38 keV |
| Nb93(n,2p+2t)Rb86 | -40872.05 keV | Nb93(n,2n+3p+t)Rb86 | -49353.85 keV |

| | | |
|-----------------|---|------------------|
| << 39-Y-89 | 41-Nb-93 | 43-Tc-99 >> |
| << MT108 (n,2α) | MT111 (n,2p) or MT5 (Y92 production) | MT115 (n,p+d) >> |



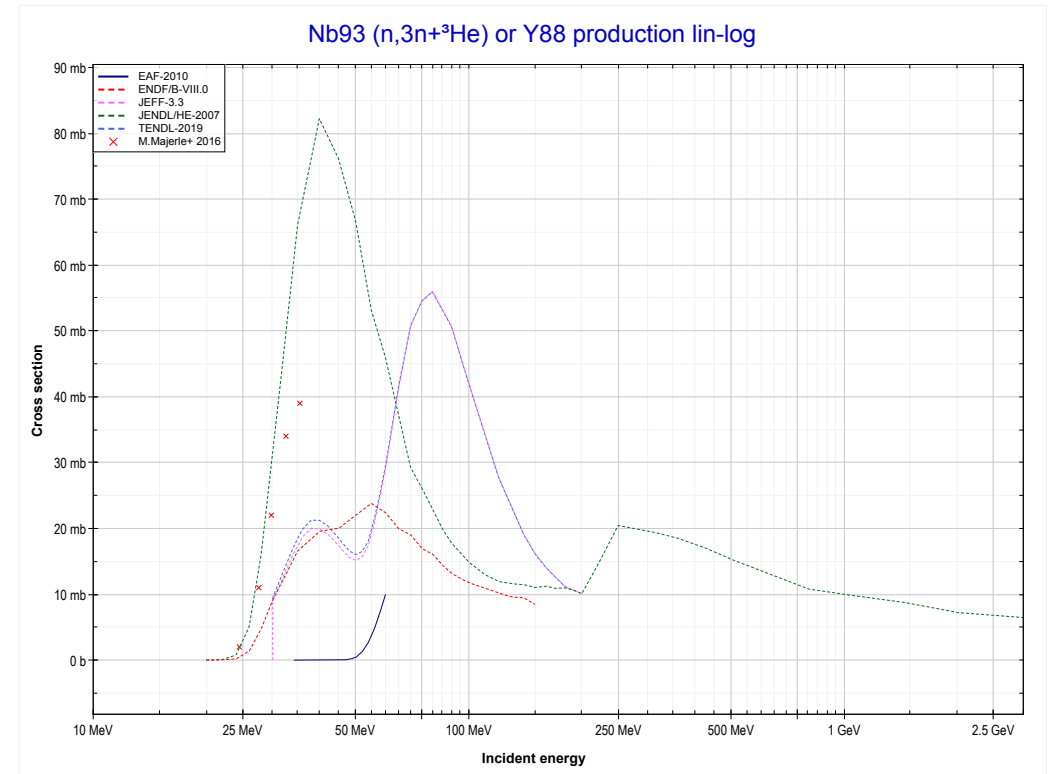
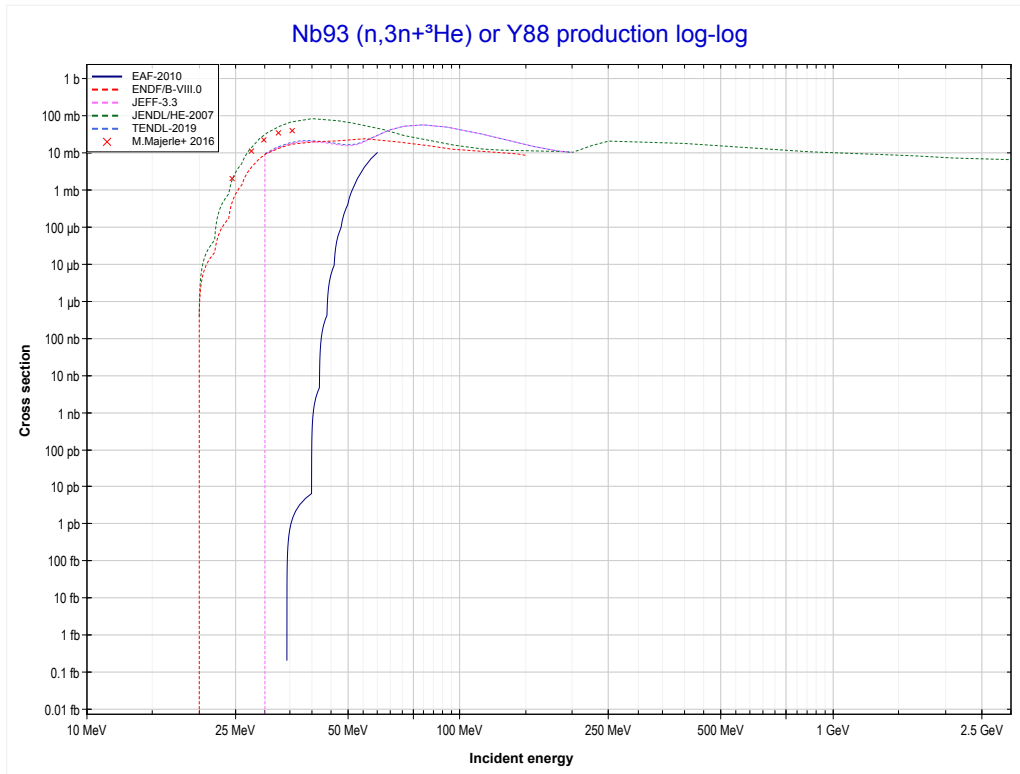
| | |
|---------------|--------------|
| Reaction | Q-Value |
| Nb93(n,2p)Y92 | -8903.42 keV |

| | | |
|-----------------|--|----------------------------------|
| << 33-As-75 | 41-Nb-93 | 49-In-115 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (Y91 production) | MT177 (n,3n+ ³ He) >> |



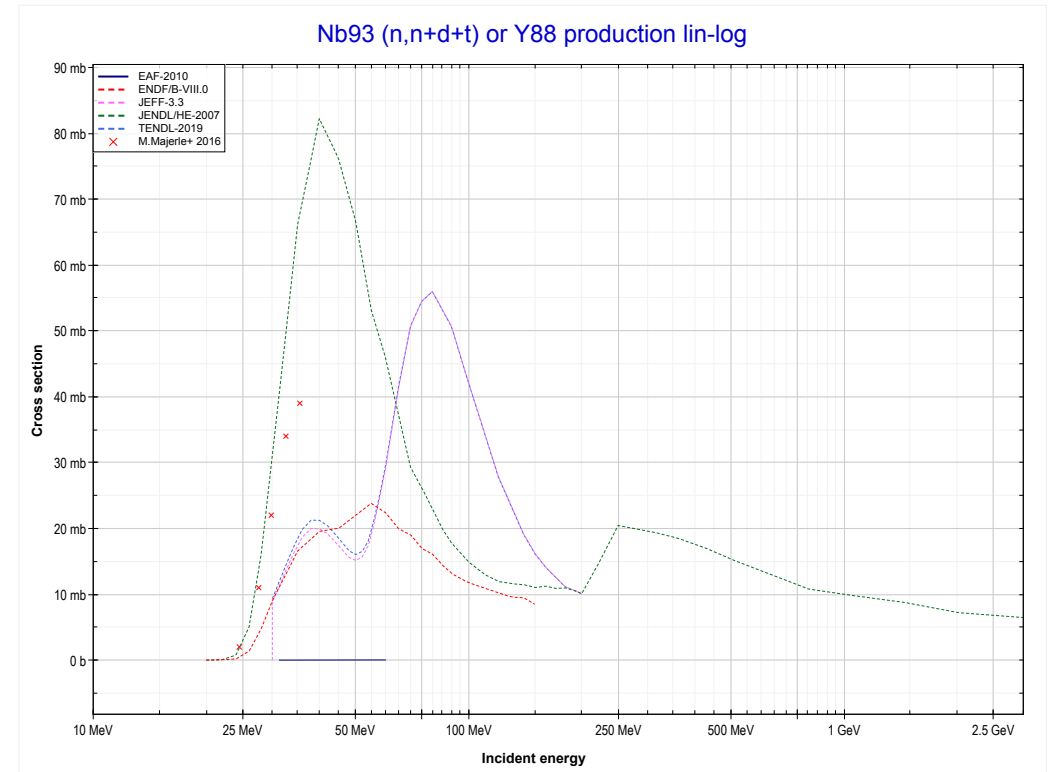
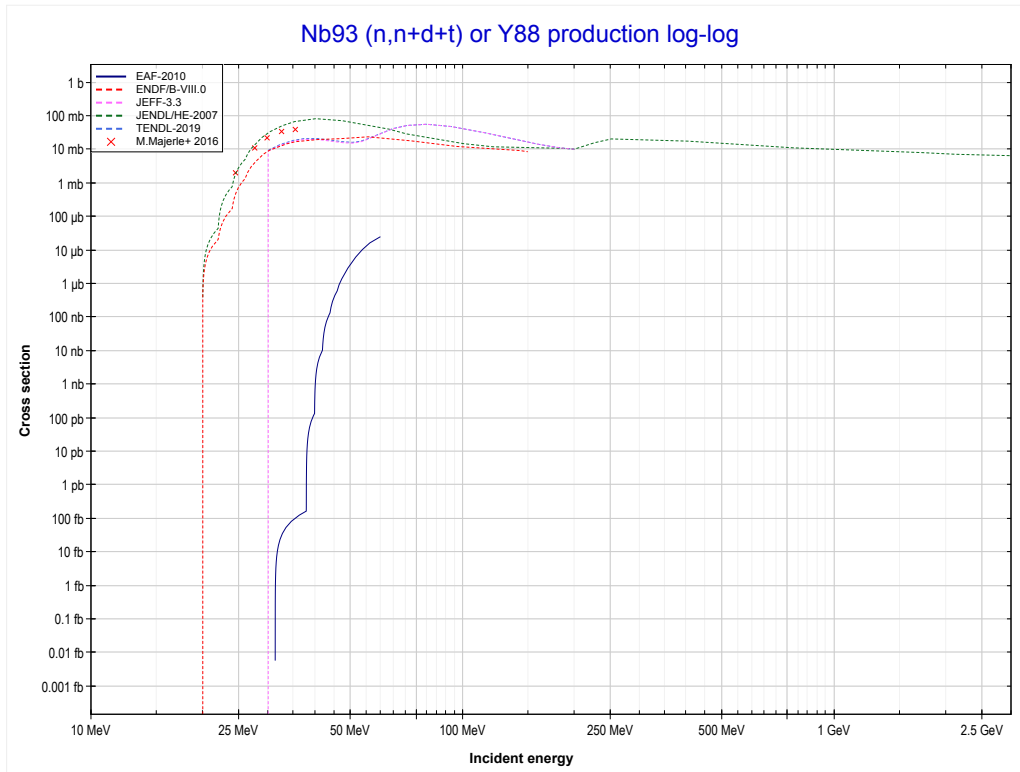
| Reaction | Q-Value |
|-----------------|---------------|
| Nb93(n,He3)Y91 | -7721.40 keV |
| Nb93(n,p+d)Y91 | -13214.88 keV |
| Nb93(n,n+2p)Y91 | -15439.44 keV |

| | | |
|------------------|--|--------------------|
| << 27-Co-59 | 41-Nb-93 | |
| << MT115 (n,p+d) | MT177 (n,3n+³He) or MT5 (Y88 production) | MT185 (n,n+d+t) >> |



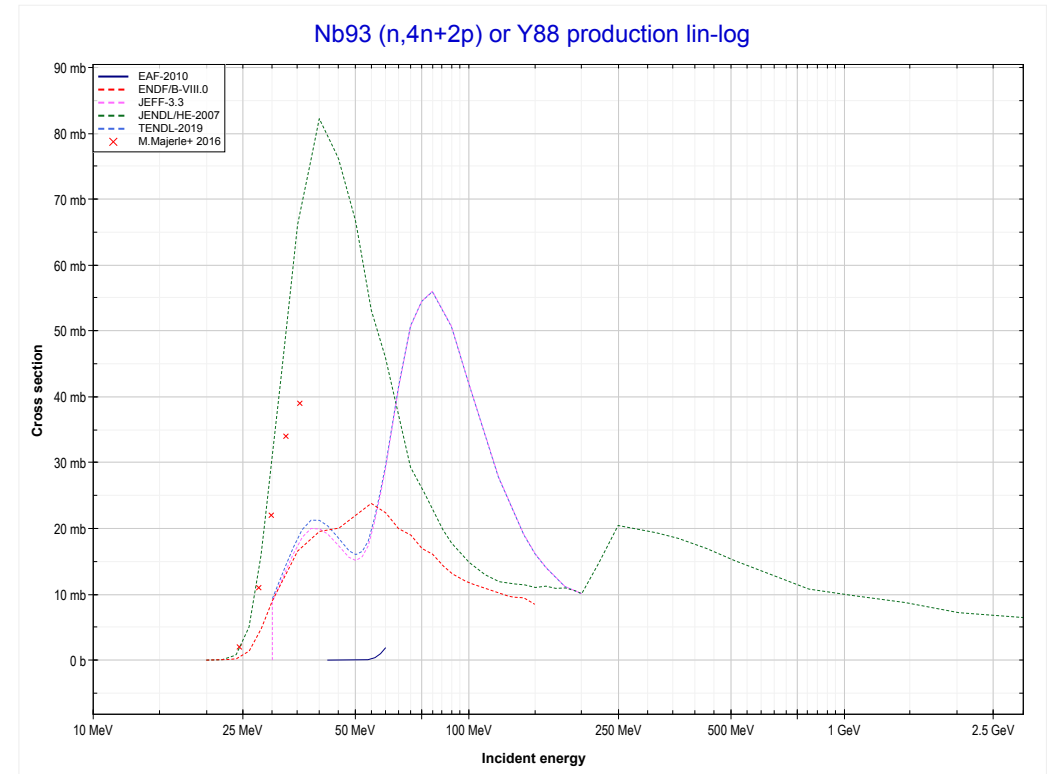
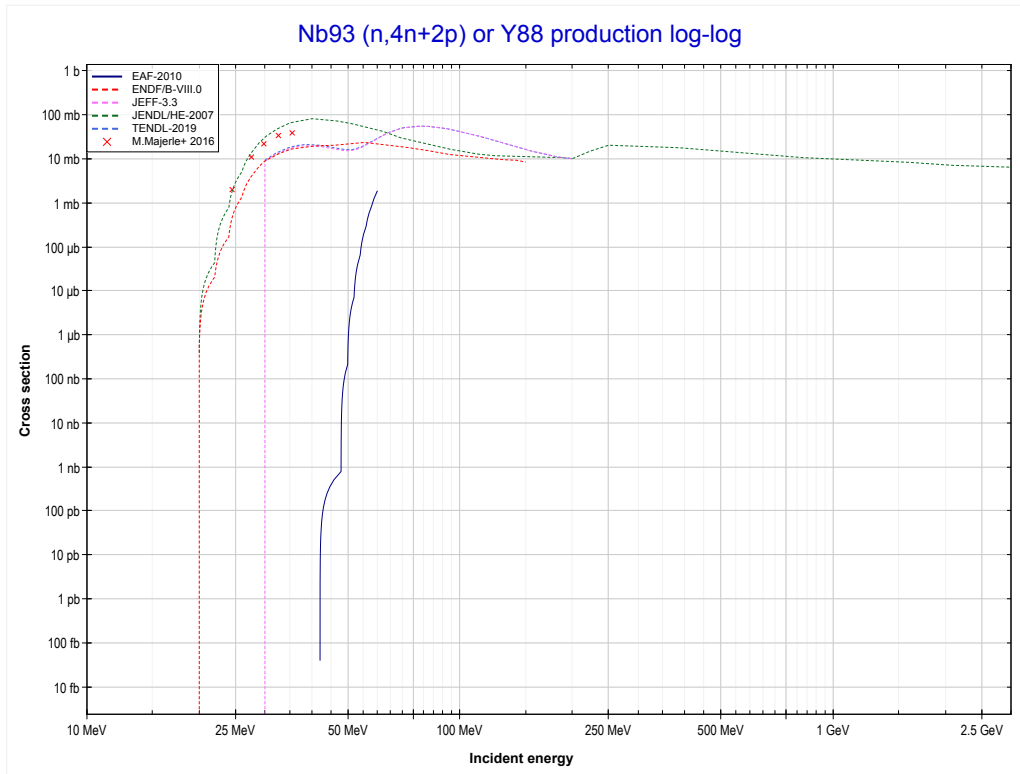
| Reaction | Q-Value |
|-------------------|---------------|
| Nb93(n,2n+α)Y88 | -13410.03 keV |
| Nb93(n,2t)Y88 | -24742.10 keV |
| Nb93(n,n+d+t)Y88 | -30999.33 keV |
| Nb93(n,2n+p+t)Y88 | -33223.90 keV |
| Nb93(n,3n+He3)Y88 | -33987.65 keV |
| Nb93(n,2n+2d)Y88 | -37256.56 keV |
| Nb93(n,3n+p+d)Y88 | -39481.13 keV |
| Nb93(n,4n+2p)Y88 | -41705.69 keV |

| | | |
|----------------------------------|--|--------------------|
| << 27-Co-59 | 41-Nb-93 | |
| << MT177 (n,3n+ ³ He) | MT185 (n,n+d+t) or MT5 (Y88 production) | MT194 (n,4n+2p) >> |



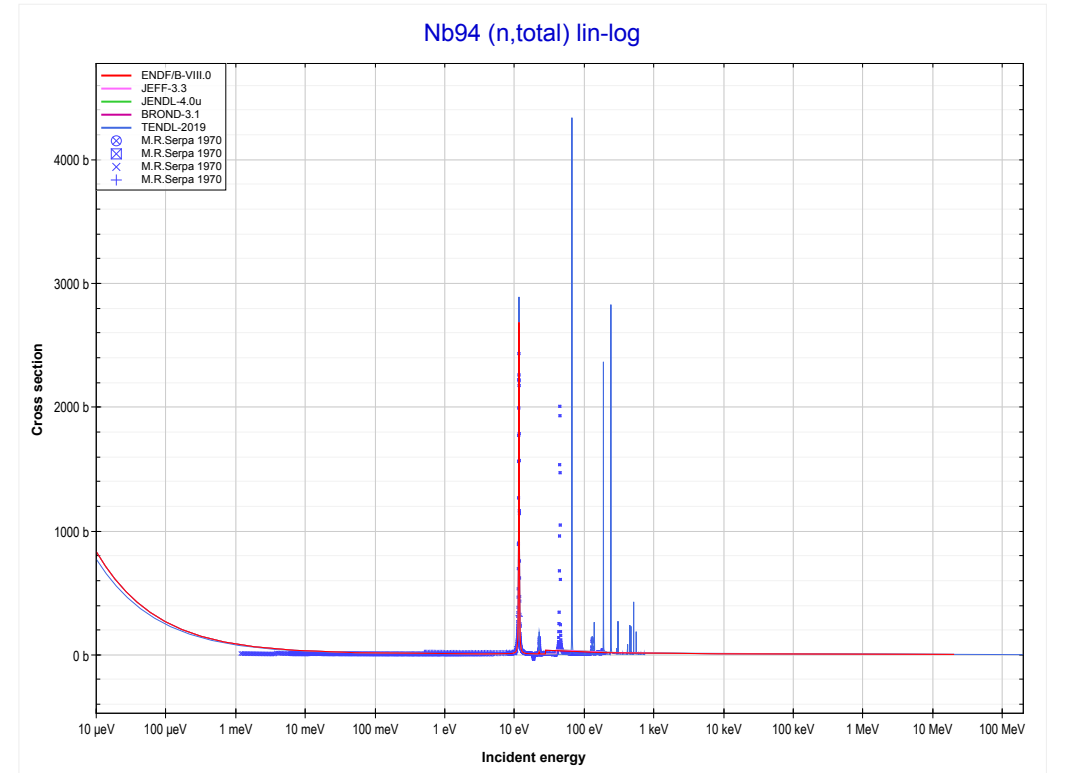
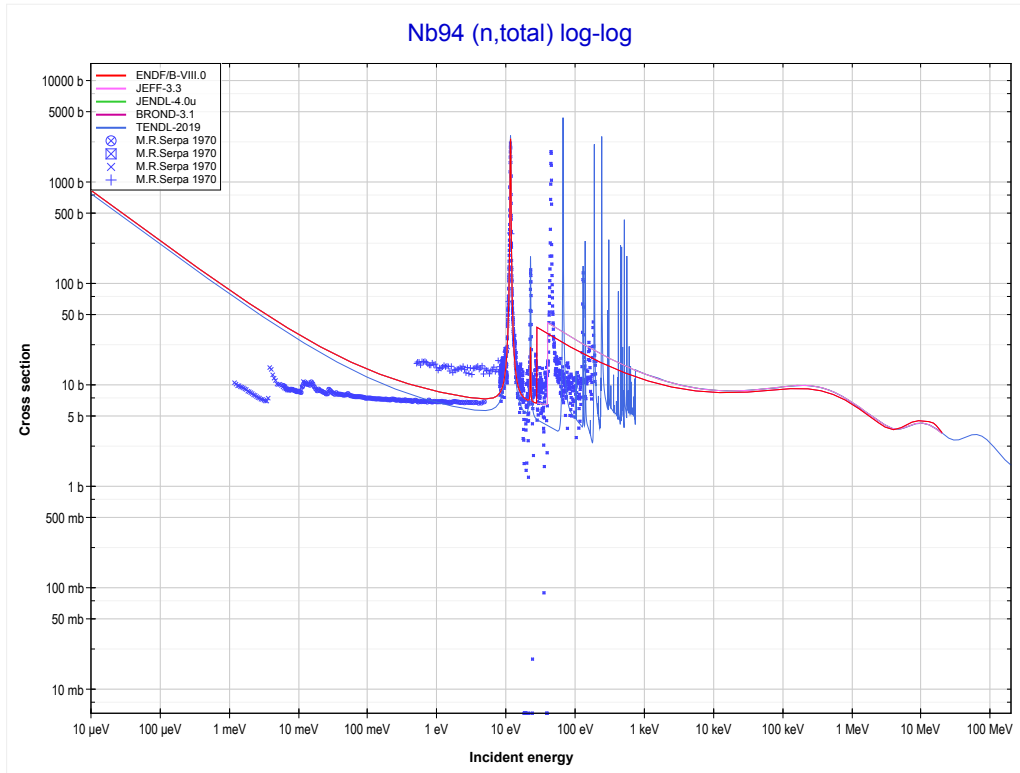
| Reaction | Q-Value |
|-------------------|---------------|
| Nb93(n,2n+α)Y88 | -13410.03 keV |
| Nb93(n,2t)Y88 | -24742.10 keV |
| Nb93(n,n+d+t)Y88 | -30999.33 keV |
| Nb93(n,2n+p+t)Y88 | -33223.90 keV |
| Nb93(n,3n+He3)Y88 | -33987.65 keV |
| Nb93(n,2n+2d)Y88 | -37256.56 keV |
| Nb93(n,3n+p+d)Y88 | -39481.13 keV |
| Nb93(n,4n+2p)Y88 | -41705.69 keV |

| | | |
|--------------------|--|---------------------------|
| << 27-Co-59 | 41-Nb-93 | |
| << MT185 (n,n+d+t) | MT194 (n,4n+2p) or MT5 (Y88 production) | 41-Nb-94 MT1 (n,total) >> |



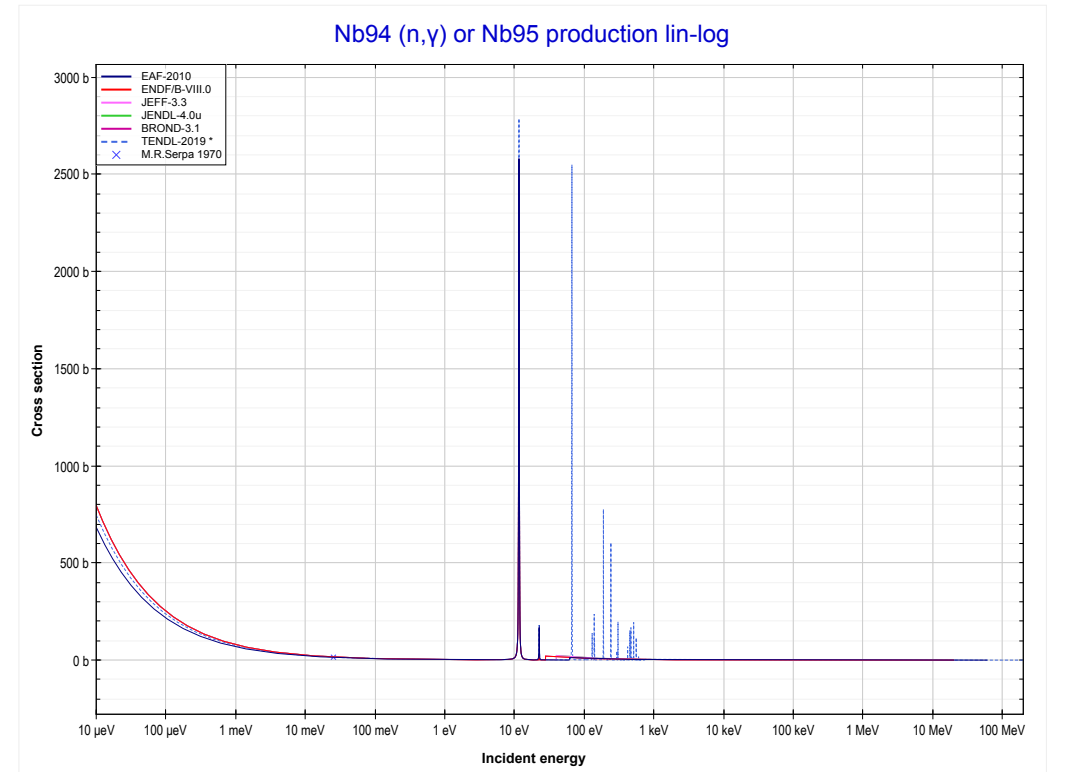
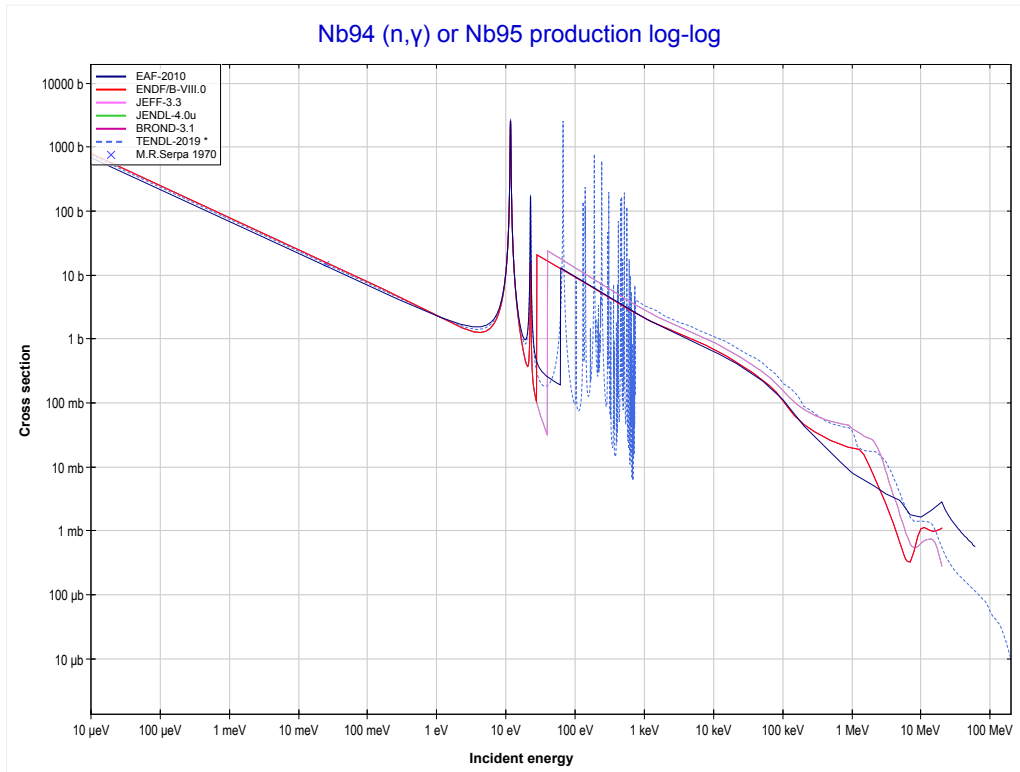
| Reaction | Q-Value |
|-------------------|---------------|
| Nb93(n,2n+α)Y88 | -13410.03 keV |
| Nb93(n,2t)Y88 | -24742.10 keV |
| Nb93(n,n+d+t)Y88 | -30999.33 keV |
| Nb93(n,2n+p+t)Y88 | -33223.90 keV |
| Nb93(n,3n+He3)Y88 | -33987.65 keV |
| Nb93(n,2n+2d)Y88 | -37256.56 keV |
| Nb93(n,3n+p+d)Y88 | -39481.13 keV |
| Nb93(n,4n+2p)Y88 | -41705.69 keV |

| | | |
|-----------------------------|----------------------|-------------------------|
| << 41-Nb-93 | 41-Nb-94 | 42-Mo-92 >> |
| << 41-Nb-93 MT194 (n,4n+2p) | MT1 (n,total) | MT102 (n, γ) >> |



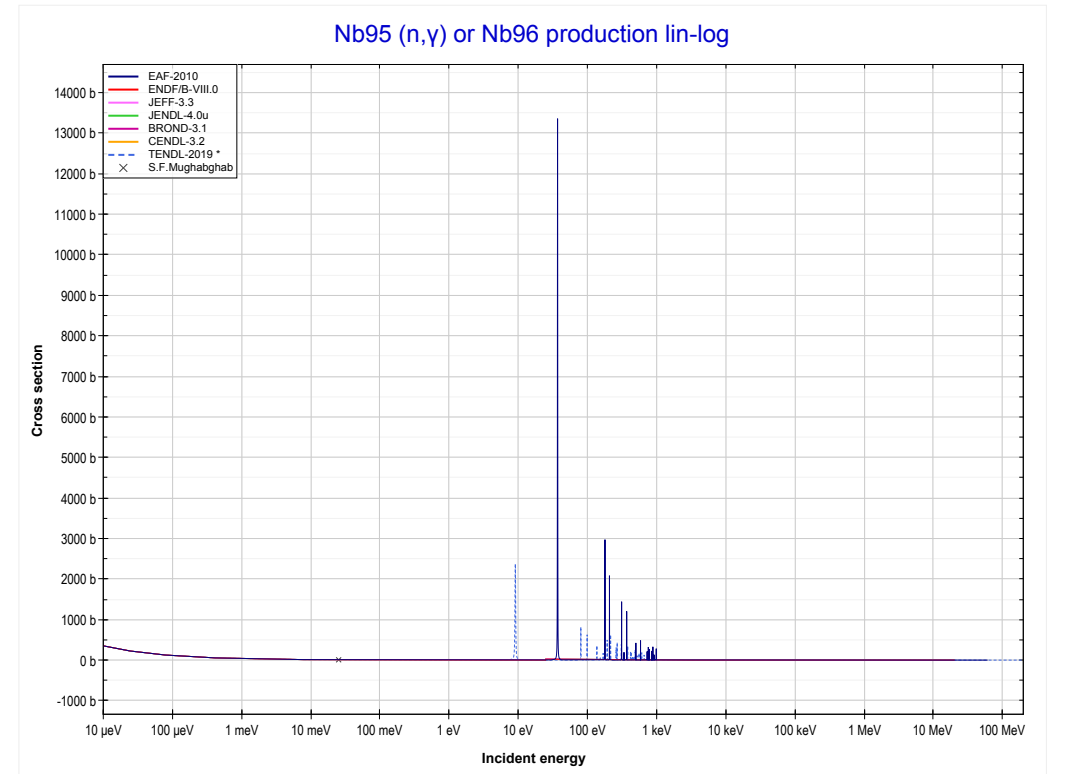
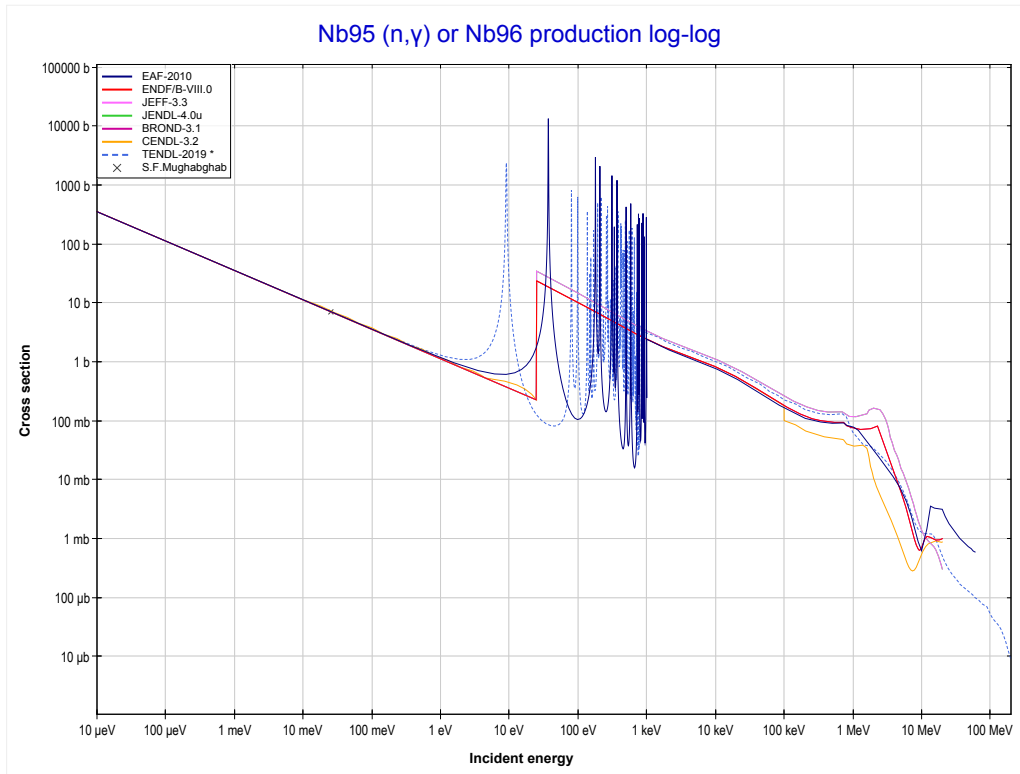
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.2553 b | 22.2553 b | 23.073 b | 1.03675 | 236.349 b | 5.72023 b | 4.33817 b |
| JEFF-3.3 | 22.2553 b | 22.2553 b | 23.073 b | 1.03675 | 243.372 b | 5.98649 b | 3.982 b |
| JENDL-4.0u | 22.2553 b | 22.2553 b | 23.073 b | 1.03675 | 243.372 b | 5.98649 b | 3.982 b |
| BROND-3.1 | 22.2553 b | 22.2553 b | 23.073 b | 1.03675 | 236.349 b | 5.72023 b | 4.33817 b |
| TENDL-2019 | 19.3633 b | 19.3633 b | 19.939 b | 1.02975 | 278.282 b | 5.96848 b | 4.0022 b |

| | | |
|------------------|---|----------------------------------|
| << 41-Nb-93 | 41-Nb-94 | 41-Nb-95 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Nb95 production) | 41-Nb-95 MT102 (n, γ) >> |



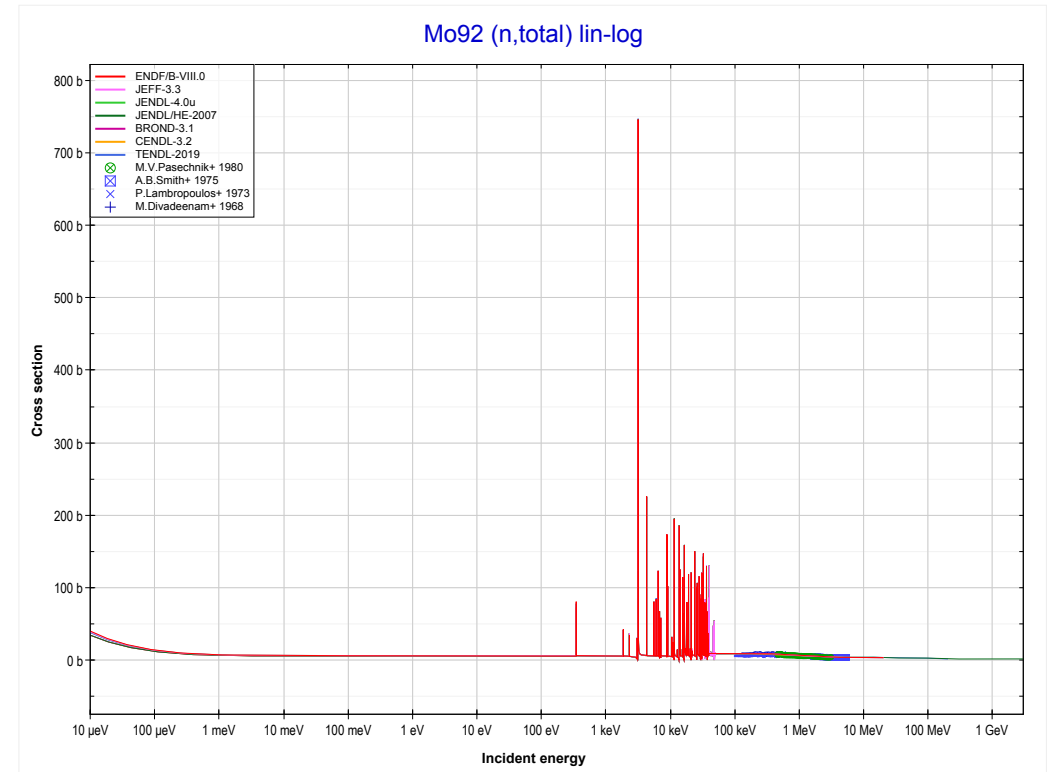
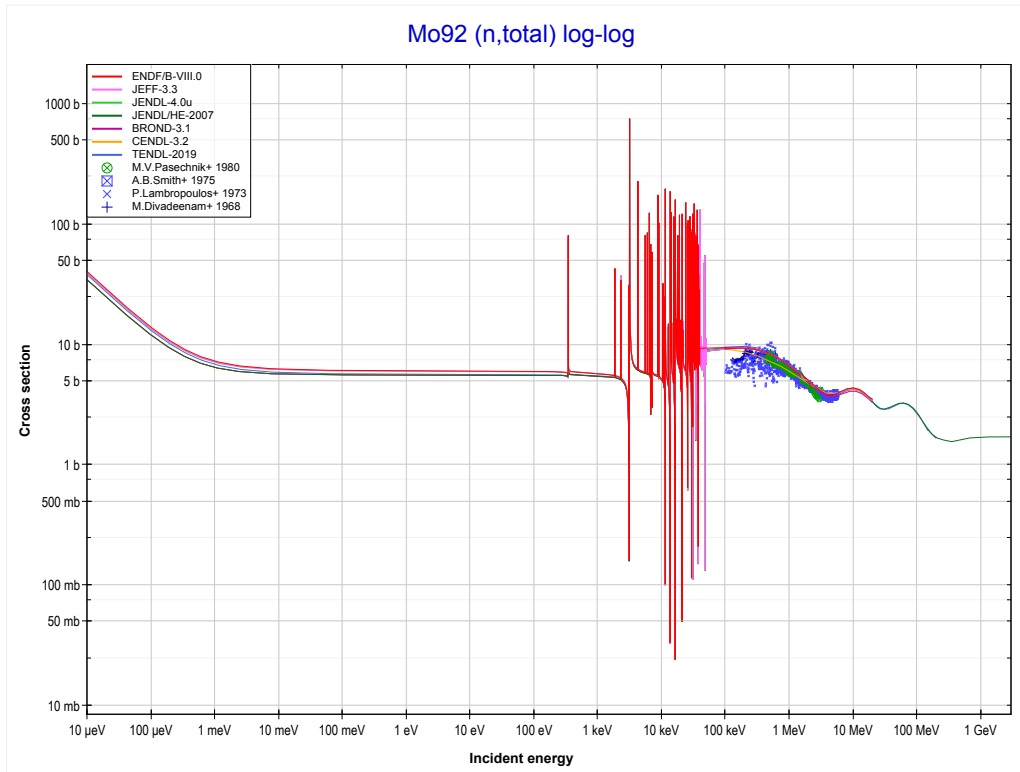
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 13.6169 b | 13.6067 b | 13.613 b | 1.00047 | 116.839 b | 0.0130657 b | 0.00208416 b |
| ENDF/B-VIII.0 | 15.7682 b | 15.7682 b | 15.756 b | 0.99922 | 125.339 b | 0.017953 b | 0.00100054 b |
| JEFF-3.3 | 15.7682 b | 15.7682 b | 15.756 b | 0.99922 | 129.136 b | 0.0350379 b | 7.527E-4 b |
| JENDL-4.0u | 15.7682 b | 15.7682 b | 15.756 b | 0.99922 | 129.136 b | 0.0350379 b | 7.527E-4 b |
| BROND-3.1 | 15.7682 b | 15.7682 b | 15.756 b | 0.99922 | 125.339 b | 0.017953 b | 0.00100054 b |
| TENDL-2019 | 14.8234 b | 14.8234 b | 14.818 b | 0.99966 | 154.009 b | 0.0338753 b | 0.00131065 b |

| | | |
|----------------------------------|---|---------------------------|
| << 41-Nb-94 | 41-Nb-95 | 42-Mo-92 >> |
| << 41-Nb-94 MT102 (n, γ) | MT102 (n,γ) or MT5 (Nb96 production) | 42-Mo-92 MT1 (n,total) >> |



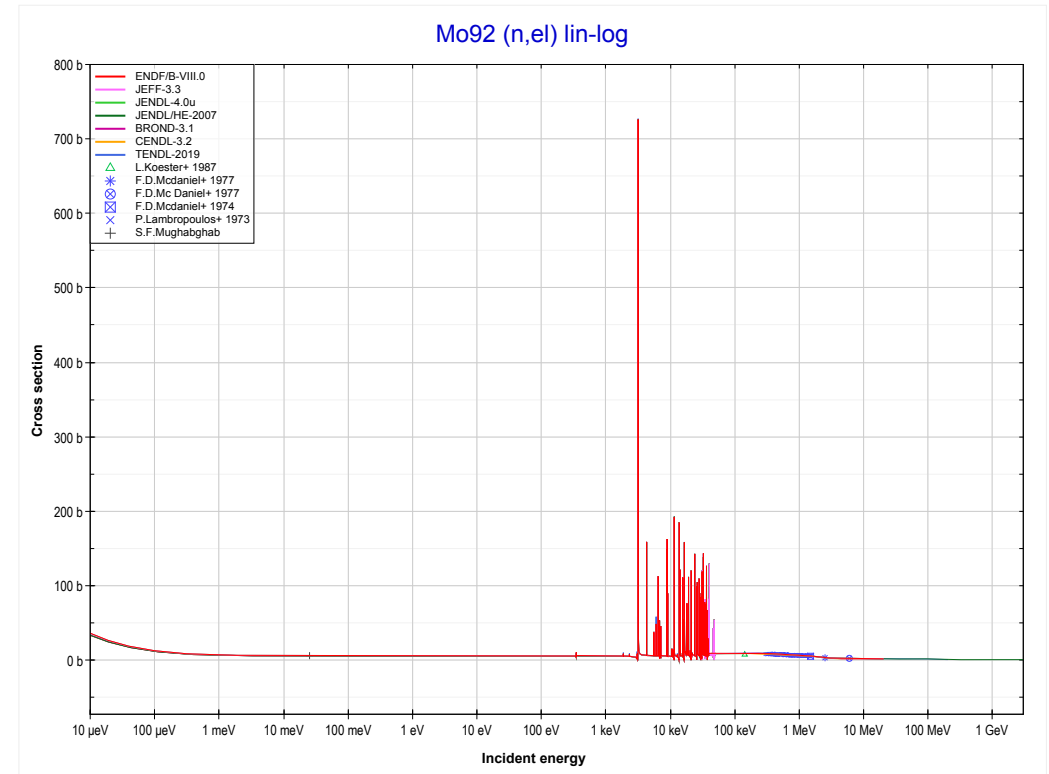
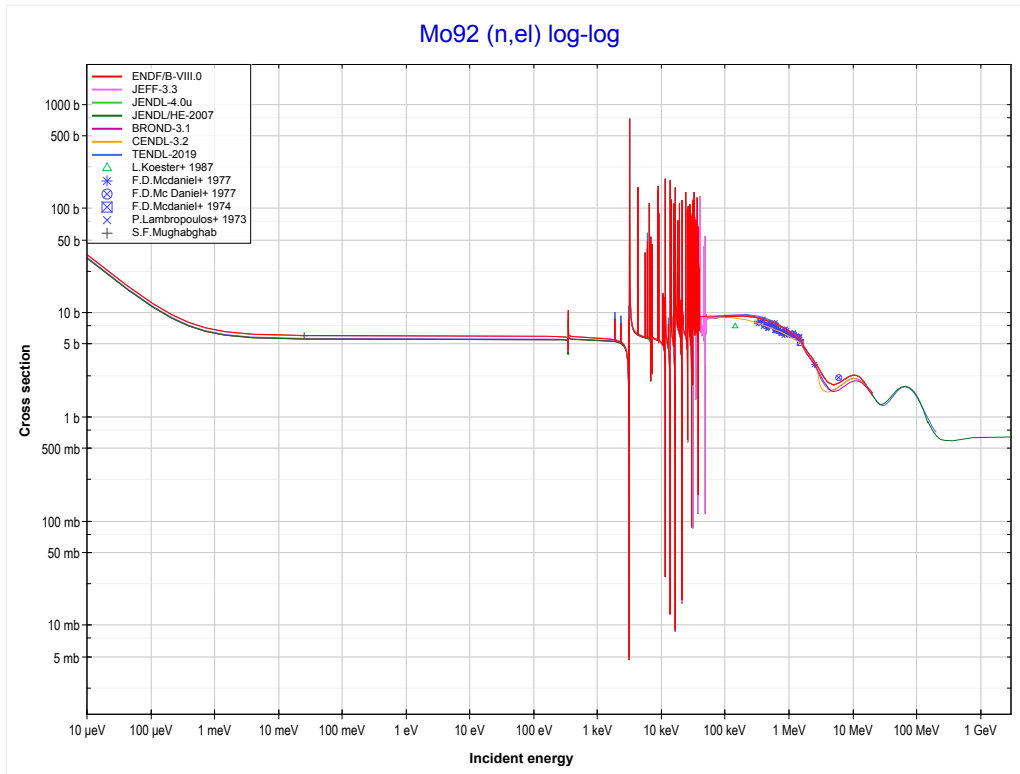
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7 b | 6.99477 b | 6.9978 b | 1.00043 | 256.157 b | 0.0537614 b | 0.00343819 b |
| ENDF/B-VIII.0 | 7.00216 b | 7.00216 b | 7.0049 b | 1.00039 | 41.5001 b | 0.0683412 b | 0.00100651 b |
| JEFF-3.3 | 7.00216 b | 7.00216 b | 7.0049 b | 1.00039 | 58.1986 b | 0.121595 b | 7.886E-4 b |
| JENDL-4.0u | 7.00216 b | 7.00216 b | 7.0049 b | 1.00039 | 58.1986 b | 0.121595 b | 7.886E-4 b |
| BROND-3.1 | 7.00216 b | 7.00216 b | 7.0049 b | 1.00039 | 41.5001 b | 0.0683412 b | 0.00100651 b |
| CENDL-3.2 | 7.20924 b | 7.20924 b | 7.2768 b | 1.00937 | 41.6538 b | 0.030247 b | 8.5836E-4 b |
| TENDL-2019 | 6.97381 b | 6.97381 b | 6.9859 b | 1.00174 | 140.168 b | 0.0626928 b | 0.00118688 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 41-Nb-94 | 42-Mo-92 | 42-Mo-94 >> |
| << 41-Nb-95 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



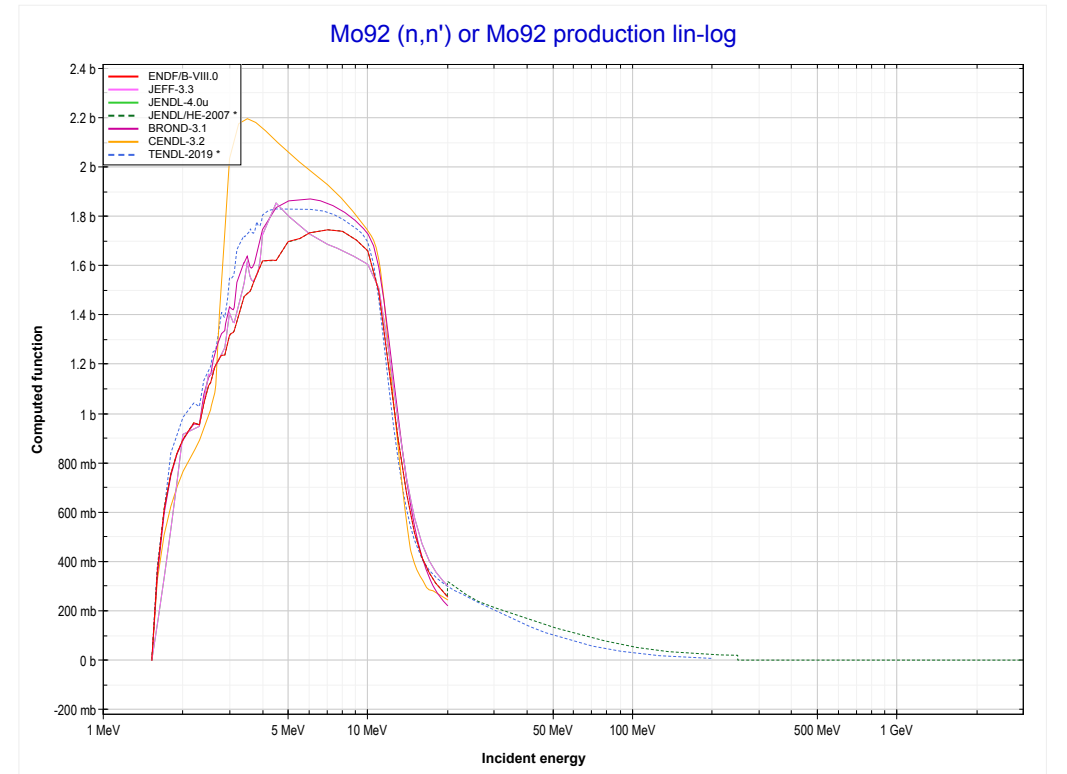
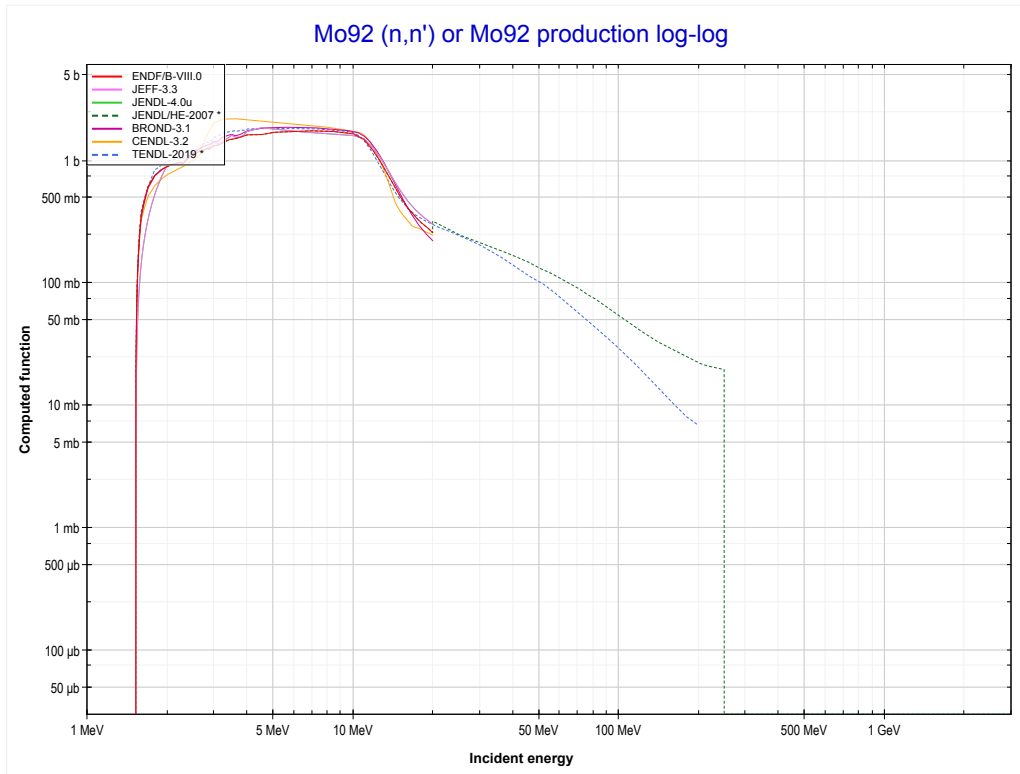
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.11946 b | 6.11946 b | 6.8948 b | 1.12669 | 84.1986 b | 5.89285 b | 4.07231 b |
| JEFF-3.3 | 6.06209 b | 6.06209 b | 6.8324 b | 1.12707 | 83.4241 b | 5.88088 b | 4.04062 b |
| JENDL-4.0u | 6.06209 b | 6.06209 b | 6.8324 b | 1.12707 | 83.4241 b | 5.88088 b | 4.04062 b |
| JENDL/HE-2007 | 5.59643 b | 5.59643 b | 6.3125 b | 1.12796 | 79.8532 b | 5.88933 b | 4.07231 b |
| BROND-3.1 | 5.59644 b | 5.59644 b | 6.3122 b | 1.12789 | 79.8531 b | 5.78162 b | 3.8726 b |
| CENDL-3.2 | 5.59643 b | 5.59643 b | 6.3125 b | 1.12796 | 79.8532 b | 5.46336 b | 3.96528 b |
| TENDL-2019 | 5.73444 b | 5.73444 b | 6.4607 b | 1.12664 | 81.0865 b | 5.83614 b | 3.95495 b |

| | | |
|------------------|------------------------|---------------|
| << 41-Nb-93 | 42-Mo-92 | 42-Mo-94 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



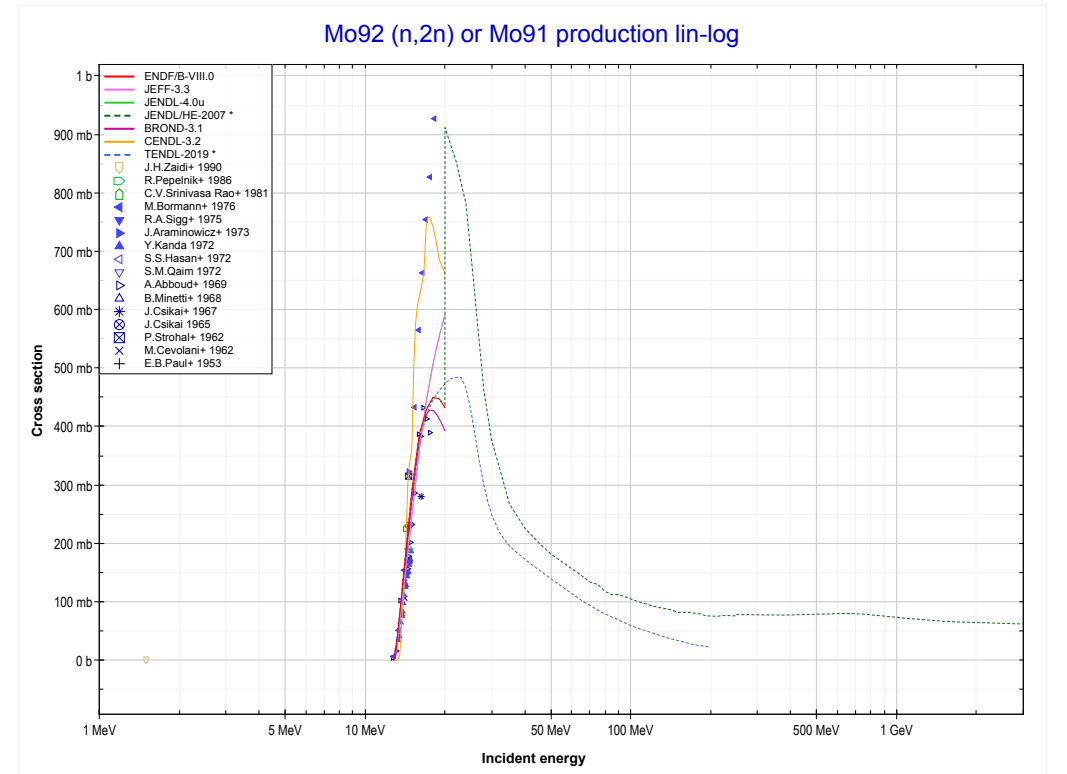
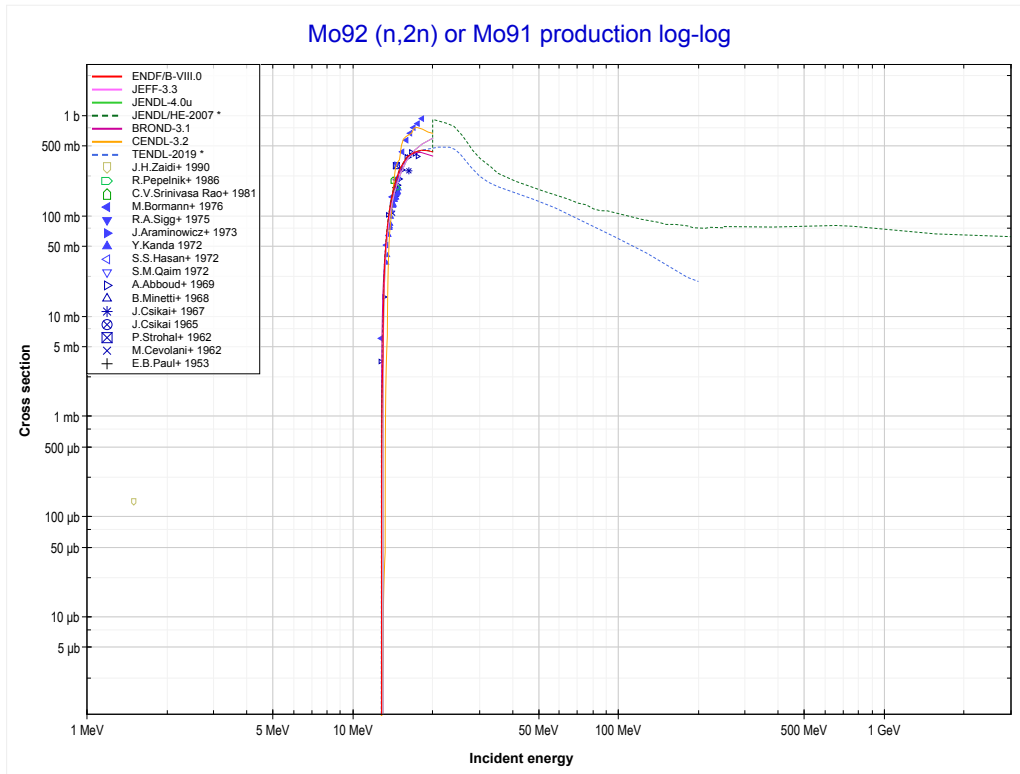
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.03957 b | 6.03957 b | 6.8148 b | 1.12837 | 83.3346 b | 5.24174 b | 2.28732 b |
| JEFF-3.3 | 6.00075 b | 6.00075 b | 6.771 b | 1.12837 | 82.552 b | 5.23776 b | 2.28732 b |
| JENDL-4.0u | 6.00075 b | 6.00075 b | 6.771 b | 1.12837 | 82.552 b | 5.23776 b | 2.28732 b |
| JENDL/HE-2007 | 5.57568 b | 5.57568 b | 6.2918 b | 1.12843 | 78.9947 b | 5.23749 b | 2.28732 b |
| BROND-3.1 | 5.57568 b | 5.57568 b | 6.2914 b | 1.12837 | 78.9992 b | 5.10286 b | 2.10798 b |
| CENDL-3.2 | 5.57568 b | 5.57568 b | 6.2918 b | 1.12843 | 78.9947 b | 4.71442 b | 2.14737 b |
| TENDL-2019 | 5.6545 b | 5.6545 b | 6.3807 b | 1.12843 | 80.2571 b | 5.12896 b | 2.17144 b |

| | | |
|--------------------|--|----------------|
| << 41-Nb-93 | 42-Mo-92 | 42-Mo-94 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Mo92 production) | MT16 (n,2n) >> |



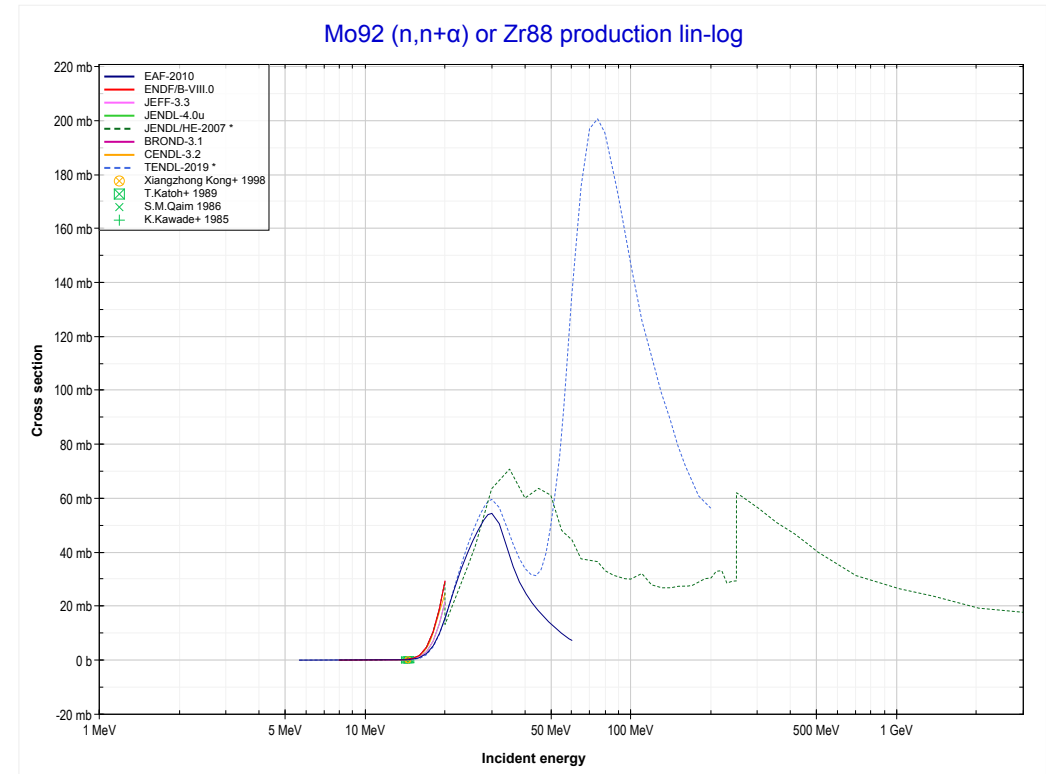
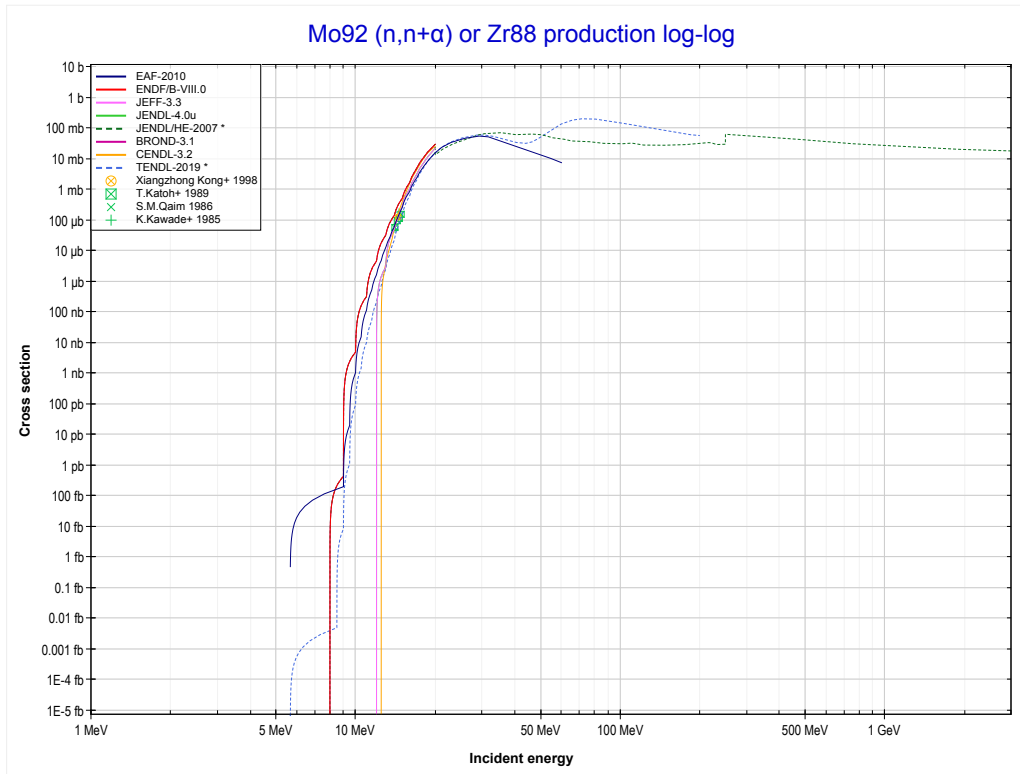
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.610886 b | 0.677441 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.605935 b | 0.738568 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.605935 b | 0.738568 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.610845 b | 0.677441 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.645641 b | 0.731218 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.714702 b | 0.562134 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.673674 b | 0.611779 b |

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|---------------|---|-----------------|
| << 41-Nb-93 | 42-Mo-92 | 42-Mo-94 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Mo91 production) | MT22 (n,n+α) >> |



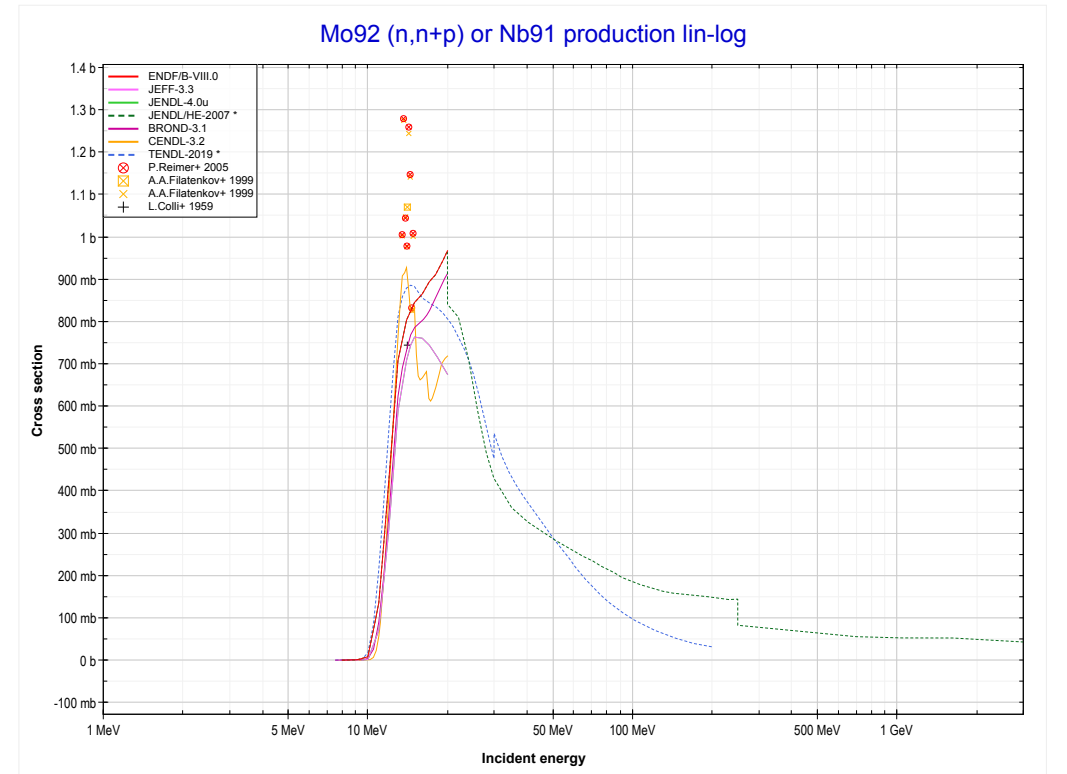
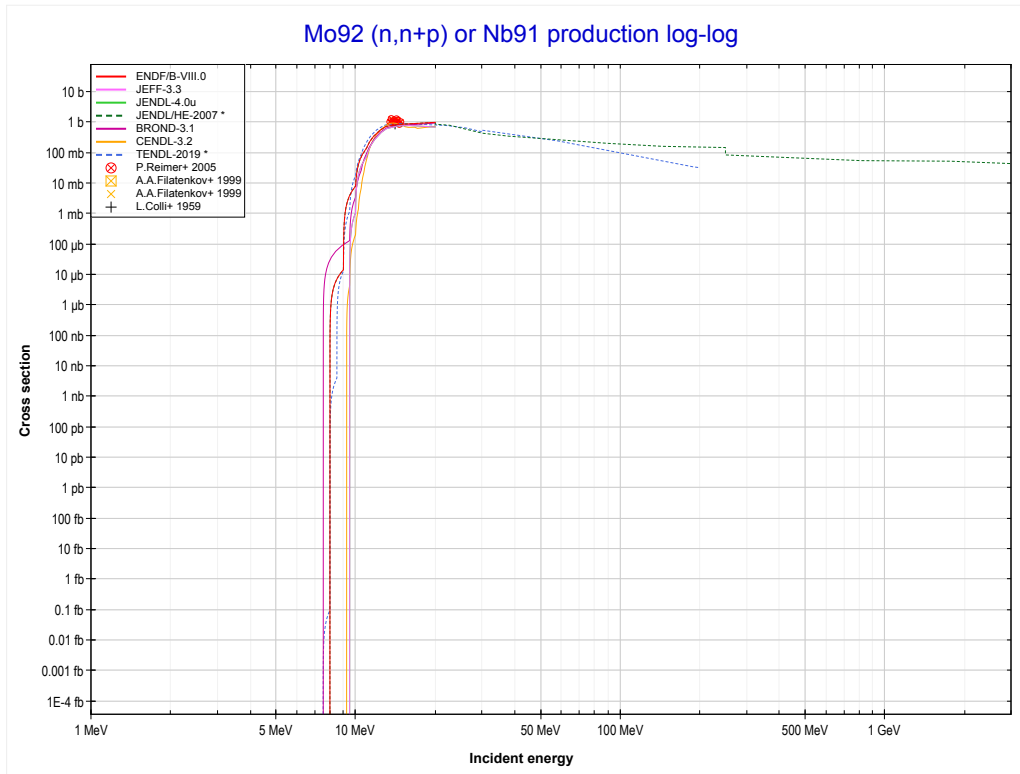
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.27073E-5 b | 0.151239 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.83965E-5 b | 0.1252 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.83965E-5 b | 0.1252 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.26958E-5 b | 0.151239 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.12671E-5 b | 0.14518 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.29654E-5 b | 0.105787 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.16527E-5 b | 0.14795 b |

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|----------------|--|-----------------|
| << 41-Nb-93 | 42-Mo-92 | 43-Tc-99 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Zr88 production) | MT28 (n,n+p) >> |



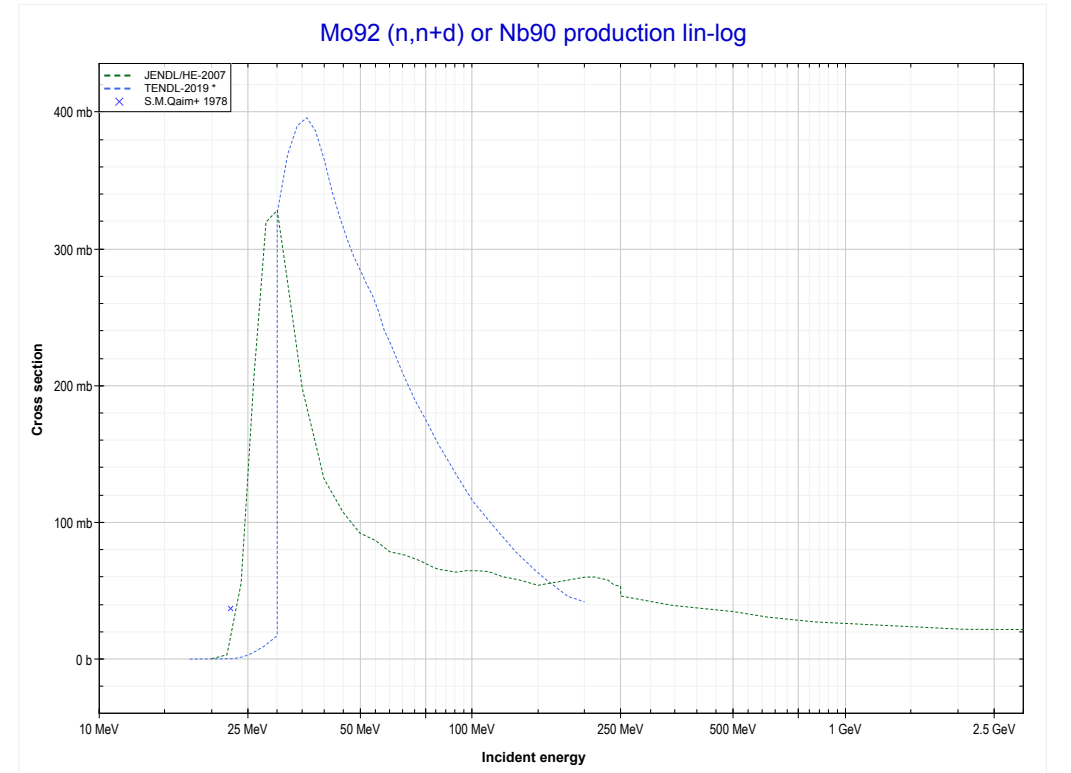
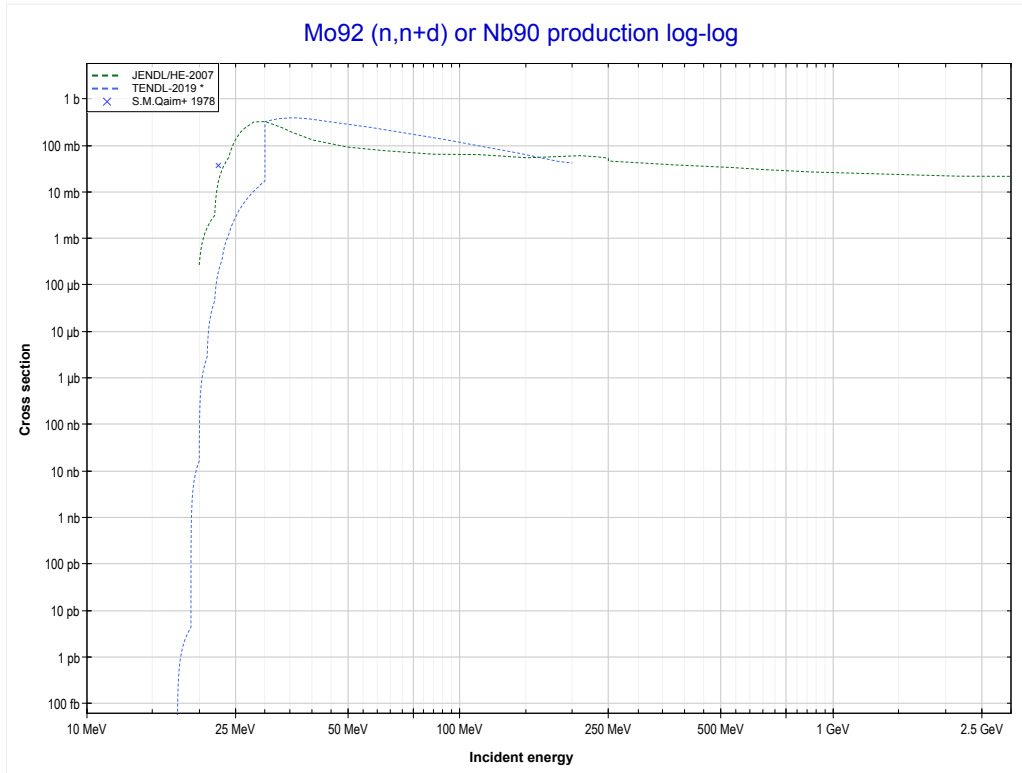
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44918E-7 b | 1.37152E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51645E-7 b | 4.794E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.51645E-7 b | 4.794E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44853E-7 b | 1.37152E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44936E-7 b | 1.3715E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01321E-7 b | 4.87931E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.90872E-8 b | 2.11462E-5 b |

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|-----------------|--|-----------------|
| << 40-Zr-96 | 42-Mo-92 | 42-Mo-95 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Nb91 production) | MT32 (n,n+d) >> |



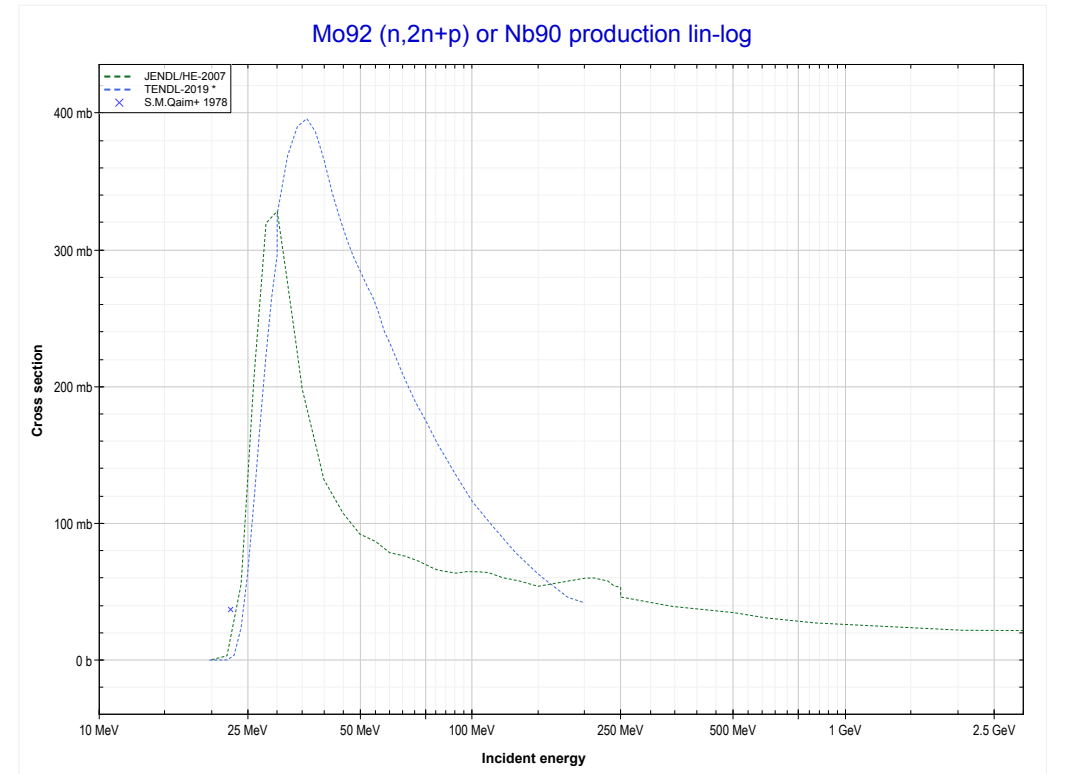
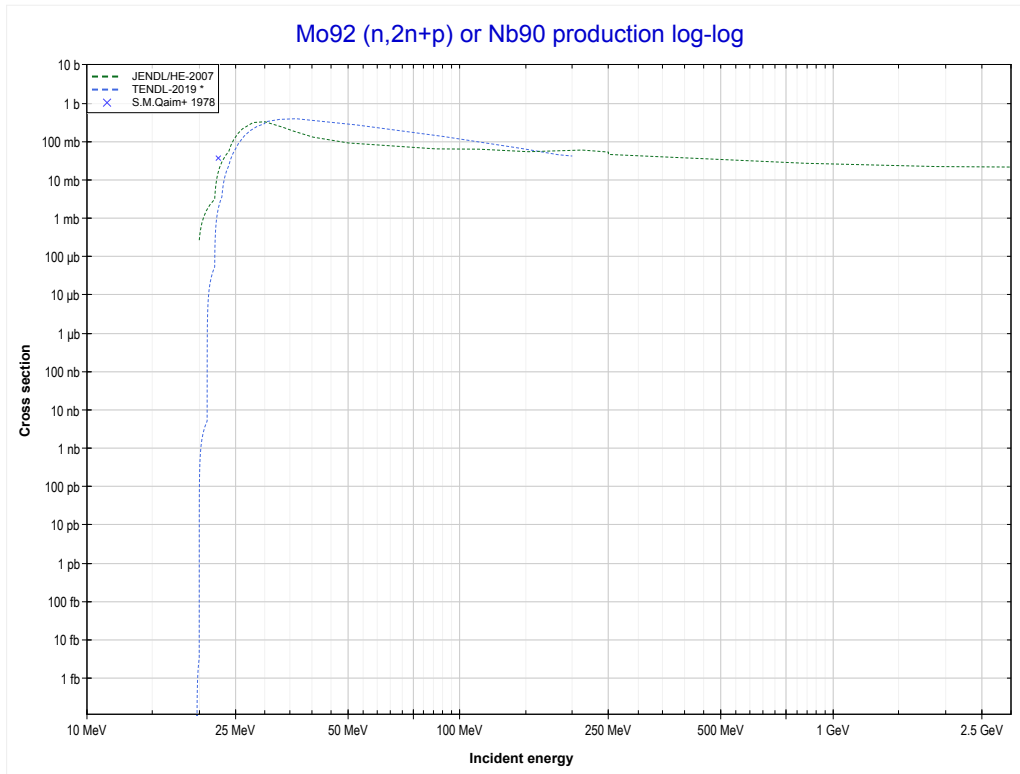
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.28711E-4 b | 0.803119 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.92015E-4 b | 0.7078 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.92015E-4 b | 0.7078 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.28665E-4 b | 0.803119 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.19215E-4 b | 0.73158 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38803E-4 b | 0.927116 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.46845E-4 b | 0.878887 b |

| | | |
|-----------------|--|------------------|
| << 40-Zr-90 | 42-Mo-92 | 46-Pd-102 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Nb90 production) | MT41 (n,2n+p) >> |



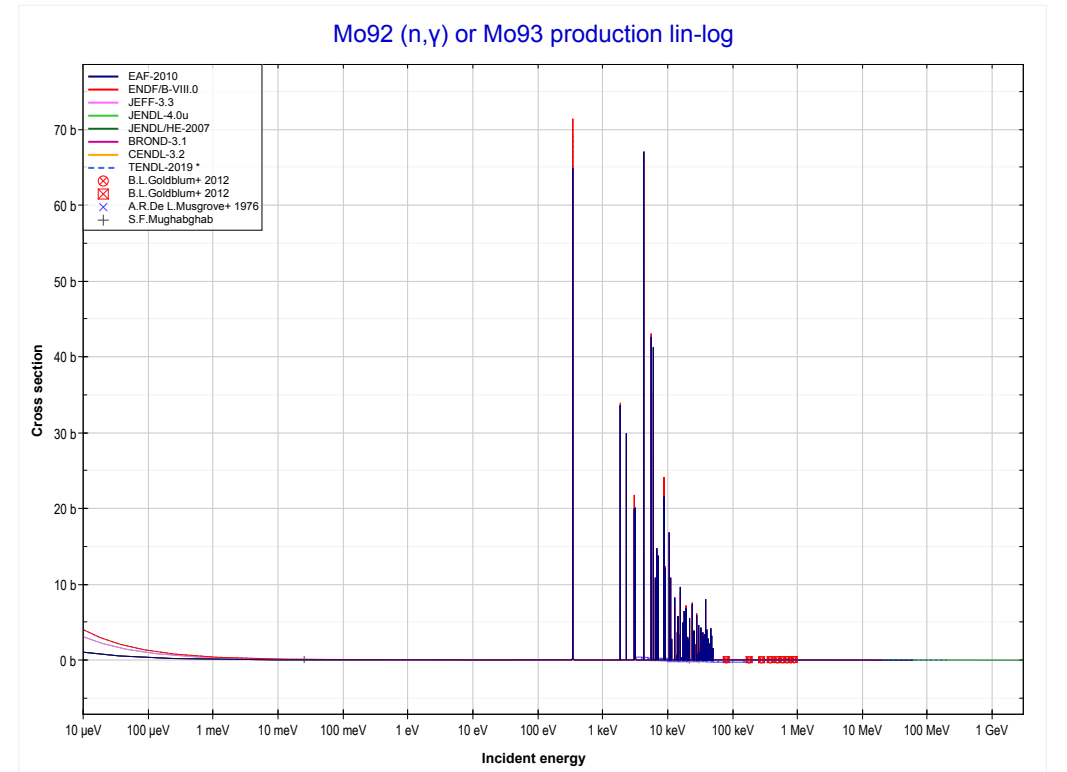
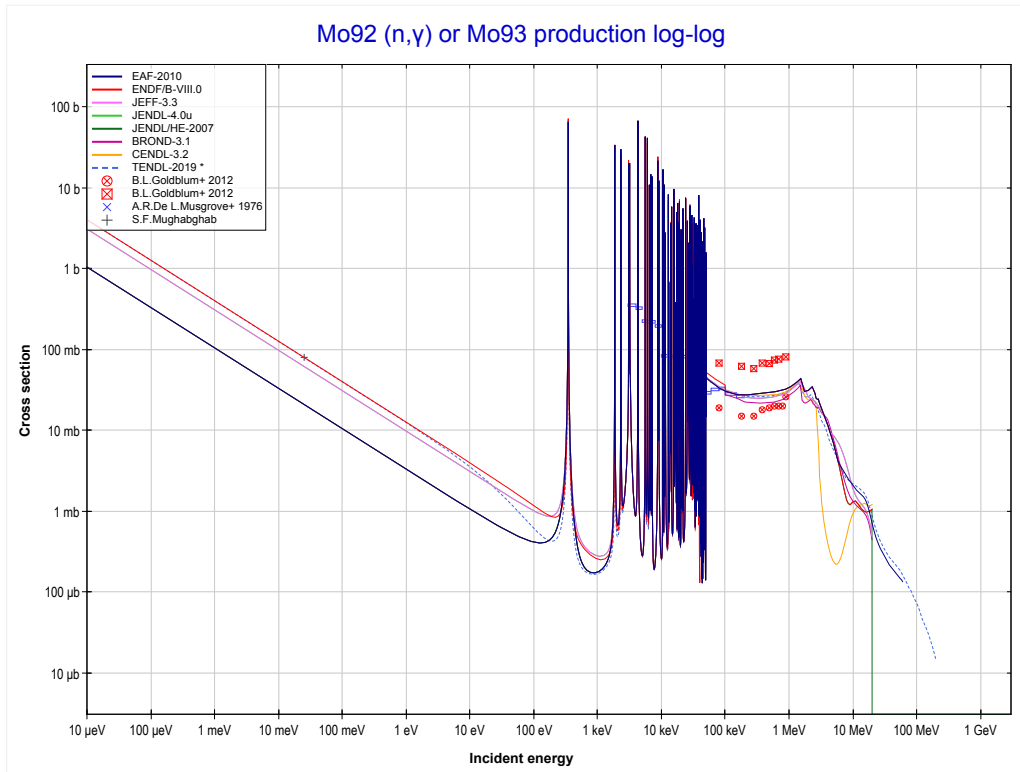
| Reaction | Q-Value |
|------------------|---------------|
| Mo92(n,t)Nb90 | -11025.07 keV |
| Mo92(n,n+d)Nb90 | -17282.30 keV |
| Mo92(n,2n+p)Nb90 | -19506.87 keV |

| | | |
|-----------------|---|-------------------------|
| << 40-Zr-90 | 42-Mo-92 | 46-Pd-102 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Nb90 production) | MT102 (n, γ) >> |



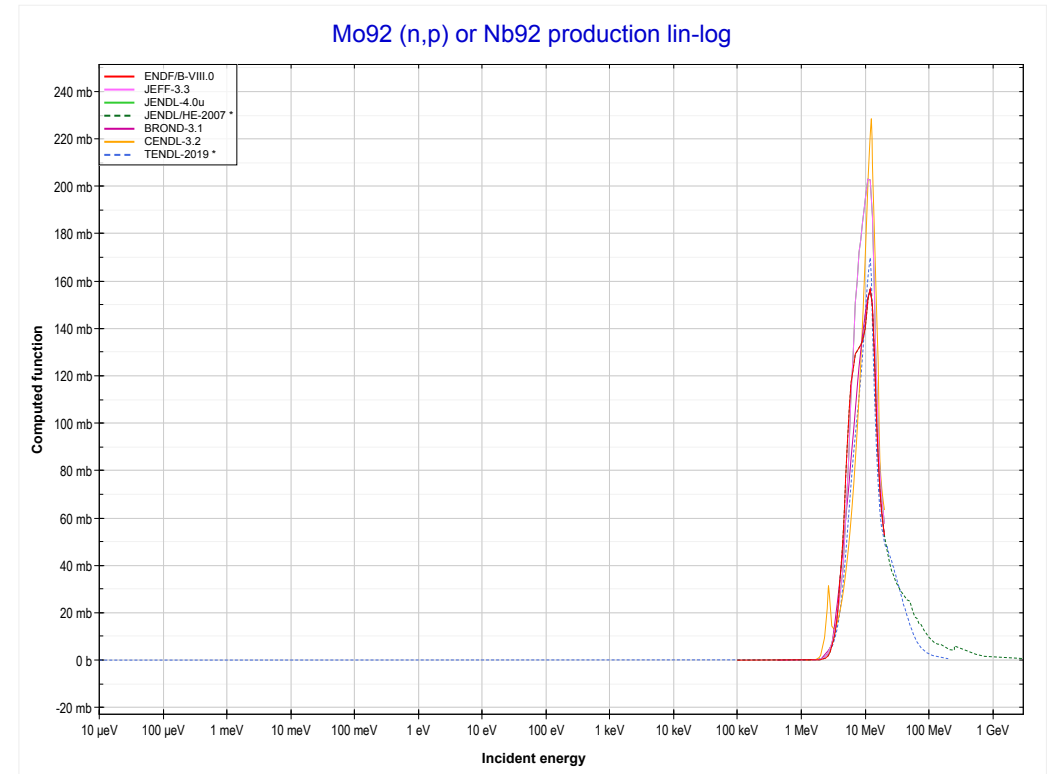
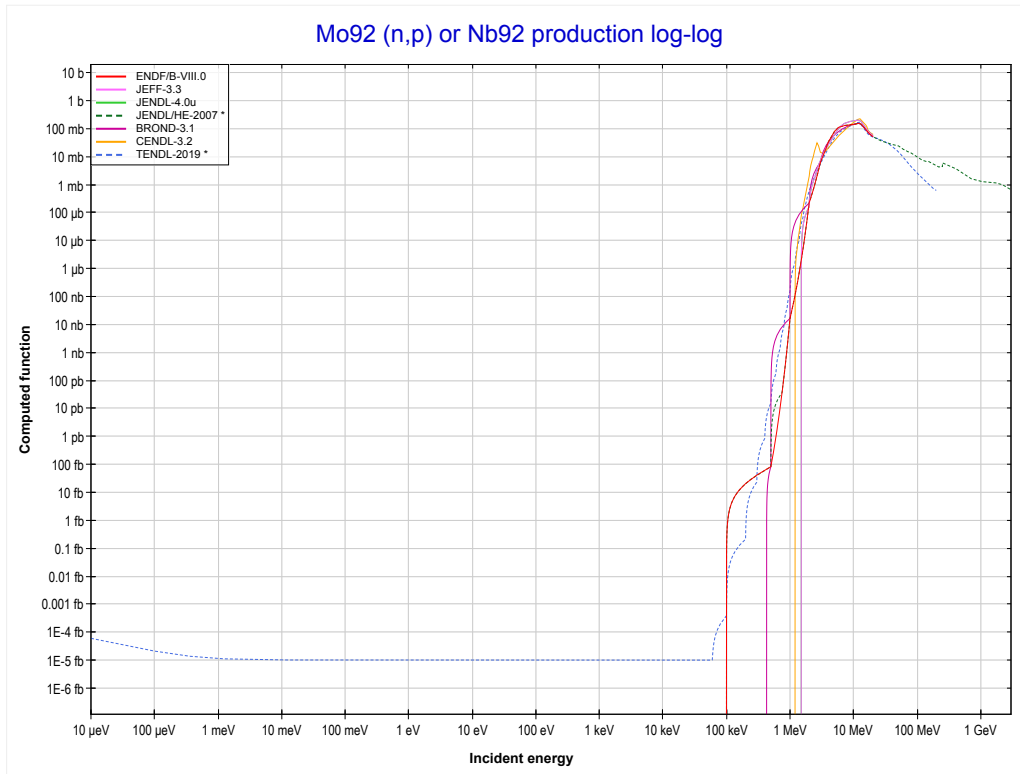
| Reaction | Q-Value |
|------------------|---------------|
| Mo92(n,t)Nb90 | -11025.07 keV |
| Mo92(n,n+d)Nb90 | -17282.30 keV |
| Mo92(n,2n+p)Nb90 | -19506.87 keV |

| | | |
|------------------|---|----------------|
| << 41-Nb-95 | 42-Mo-92 | 42-Mo-94 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Mo93 production) | MT103 (n,p) >> |



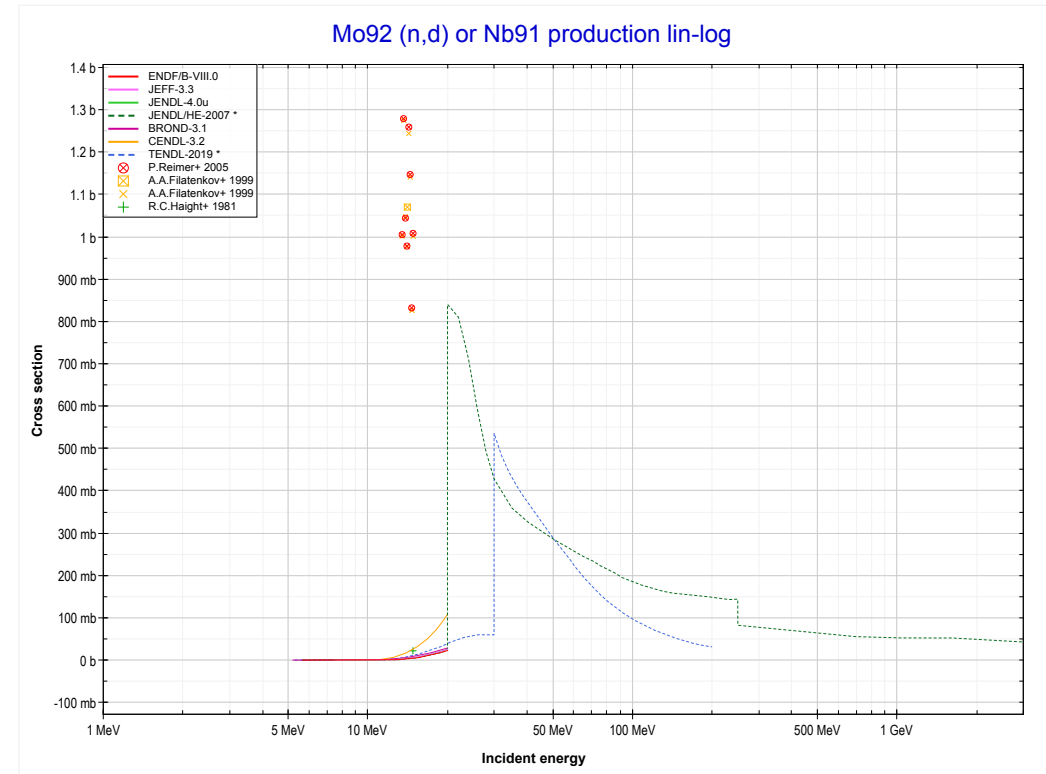
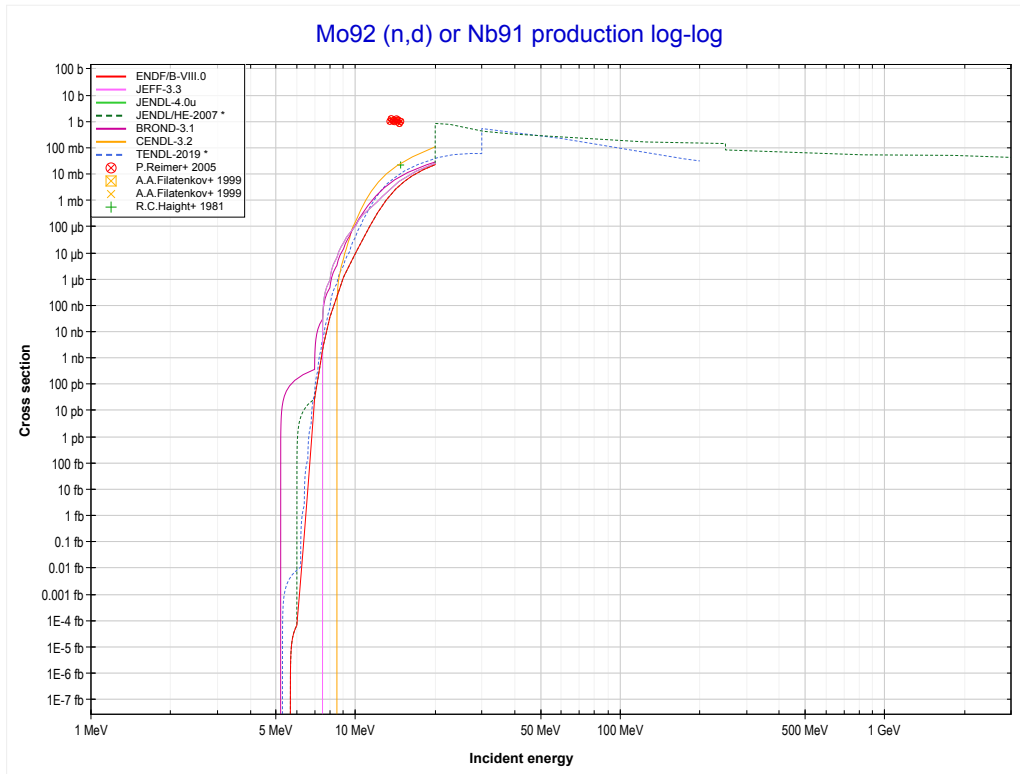
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0207531 b | 0.0207381 b | 0.02074 b | 1.00011 | 0.853858 b | 0.027999 b | 0.00158279 b |
| ENDF/B-VIII.0 | 0.0798841 b | 0.0798841 b | 0.079914 b | 1.00037 | 0.864034 b | 0.0280347 b | 0.00104482 b |
| JEFF-3.3 | 0.0613457 b | 0.0613457 b | 0.061369 b | 1.00038 | 0.872106 b | 0.0253709 b | 0.001201 b |
| JENDL-4.0u | 0.0613457 b | 0.0613457 b | 0.061369 b | 1.00038 | 0.872106 b | 0.0253709 b | 0.001201 b |
| JENDL/HE-2007 | 0.0207526 b | 0.0207526 b | 0.020754 b | 1.00008 | 0.853741 b | 0.0279702 b | 0.00104482 b |
| BROND-3.1 | 0.0207584 b | 0.0207584 b | 0.020767 b | 1.0004 | 0.853893 b | 0.0220822 b | 0.0010183 b |
| CENDL-3.2 | 0.0207526 b | 0.0207526 b | 0.020754 b | 1.00008 | 0.853741 b | 0.0223737 b | 0.00122123 b |
| TENDL-2019 | 0.0799409 b | 0.0799409 b | 0.079932 b | 0.99988 | 0.829404 b | 0.0243779 b | 0.00179052 b |

| | | |
|-------------------------|---|----------------|
| << 40-Zr-96 | 42-Mo-92 | 42-Mo-94 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb92 production) | MT104 (n,d) >> |



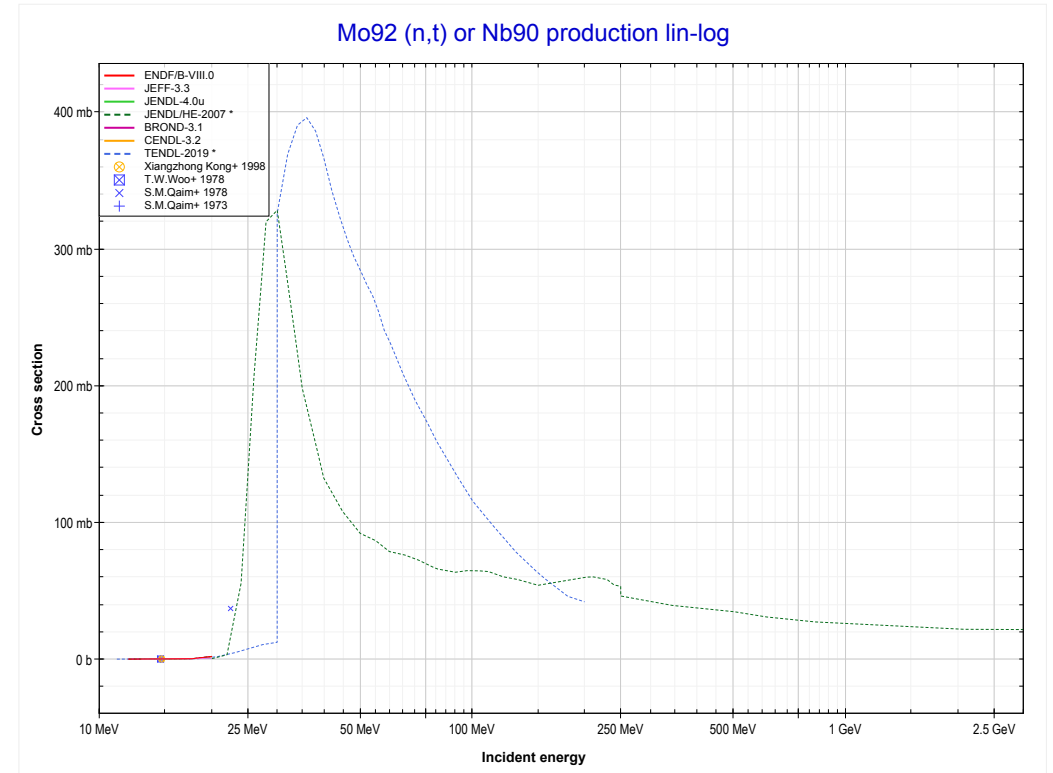
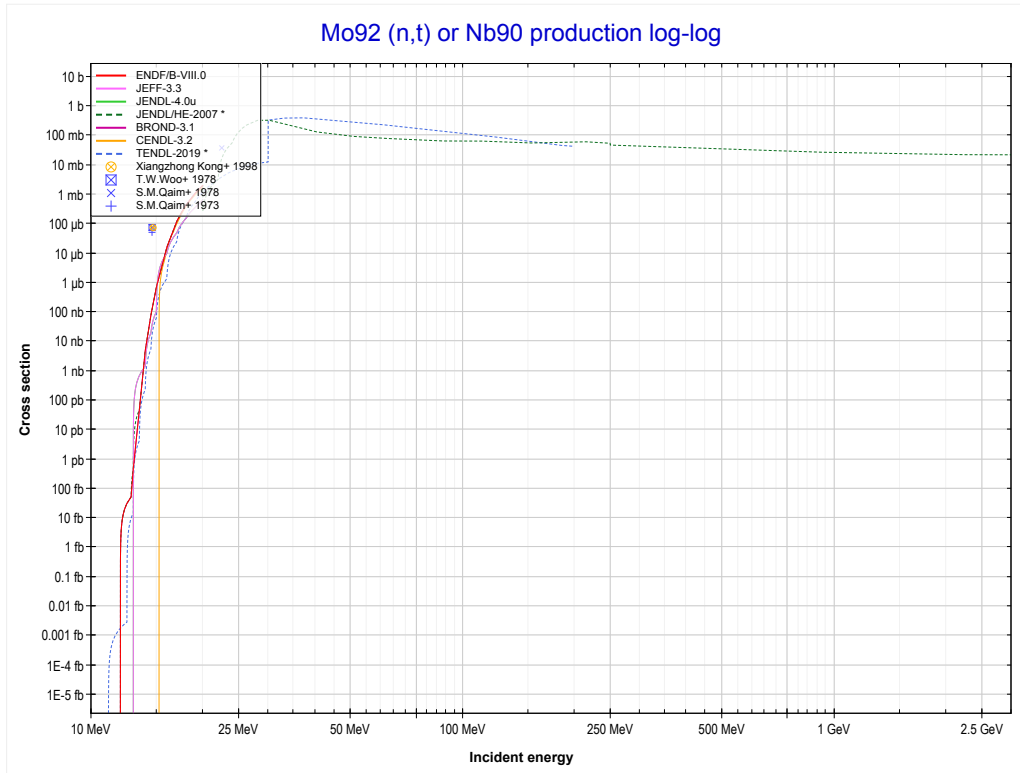
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.19242E-26 b | 0.0114496 b | 0.12815 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.011256 b | 0.1541 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.011256 b | 0.1541 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 1.63304E-22 b | 0.0114513 b | 0.12815 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0104437 b | 0.12815 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0102339 b | 0.179216 b |
| TENDL-2019 | 1.0055E-20 b | 1.0055E-20 b | 1.1346E-20 b | 1.12842 | 2.09112E-19 b | 0.0080931 b | 0.111586 b |

| | | |
|----------------|---|----------------|
| << 40-Zr-96 | 42-Mo-92 | 42-Mo-94 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb91 production) | MT105 (n,t) >> |



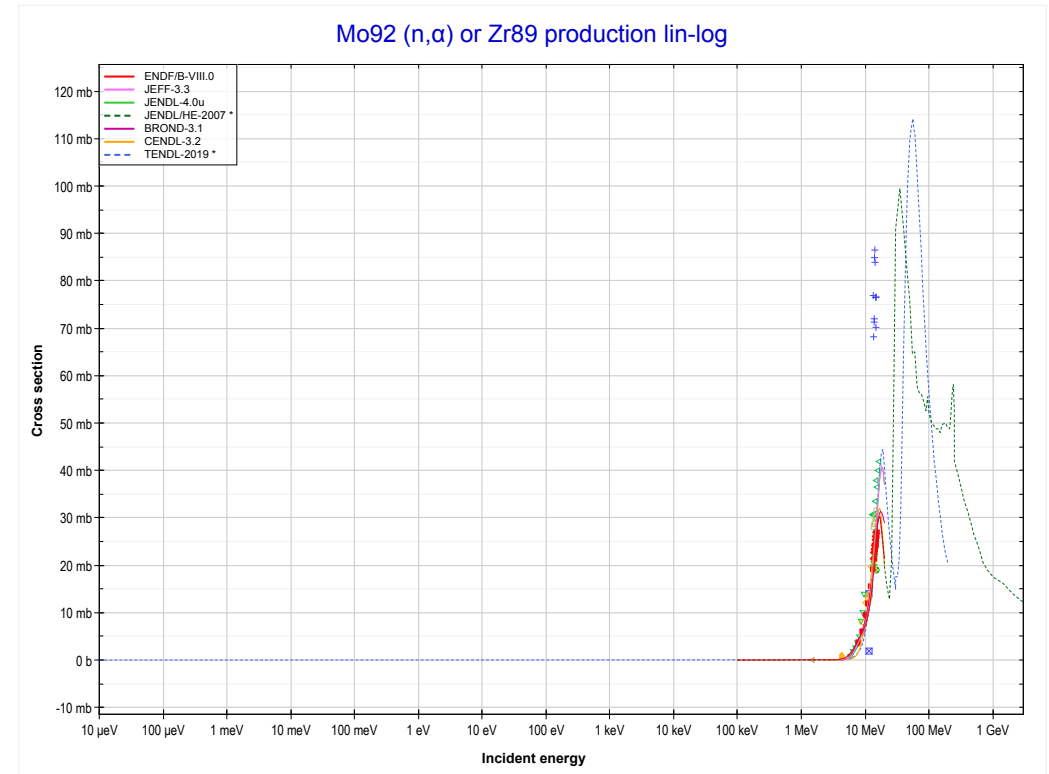
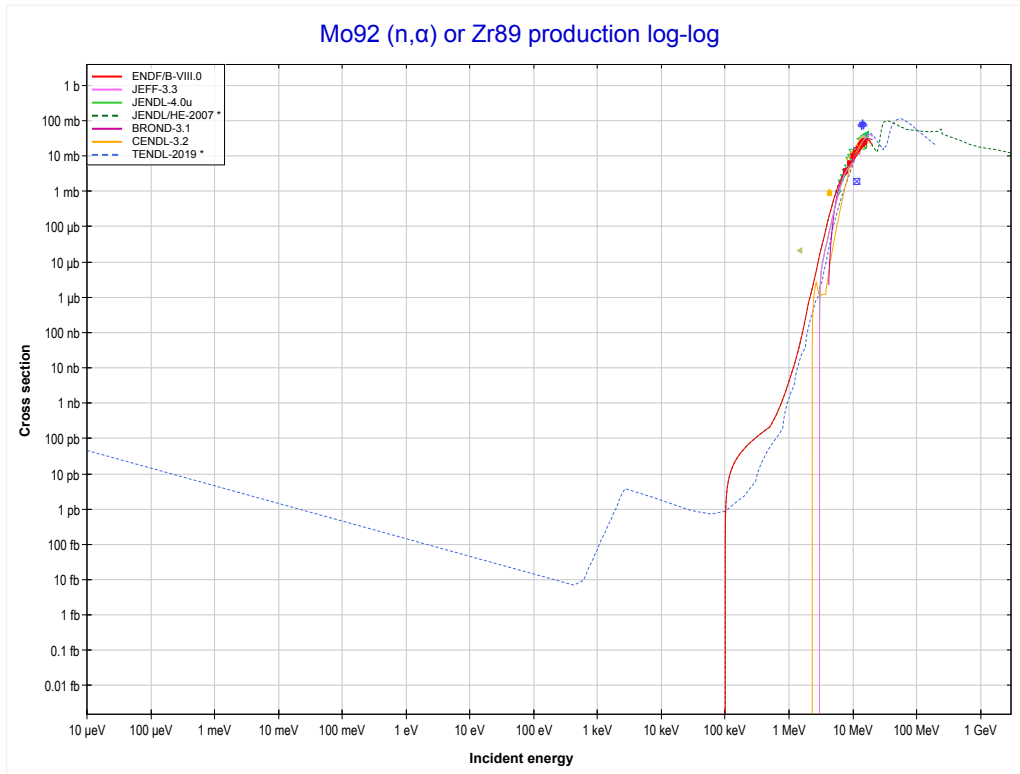
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08896E-6 b | 0.00235177 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.1265E-6 b | 0.003401 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.1265E-6 b | 0.003401 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0888E-6 b | 0.00235177 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.12608E-6 b | 0.0058313 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.63571E-6 b | 0.0174906 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27947E-6 b | 0.00701132 b |

| | | |
|----------------|---|-------------------------|
| << 41-Nb-93 | 42-Mo-92 | 45-Rh-103 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Nb90 production) | MT107 (n, α) >> |



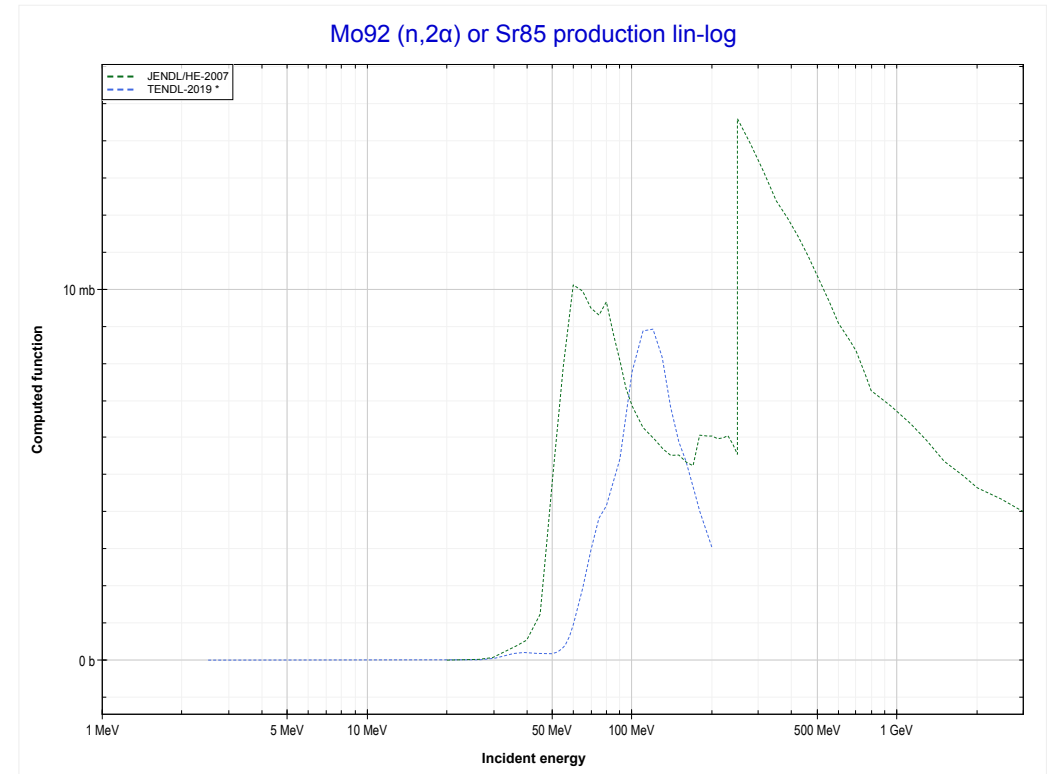
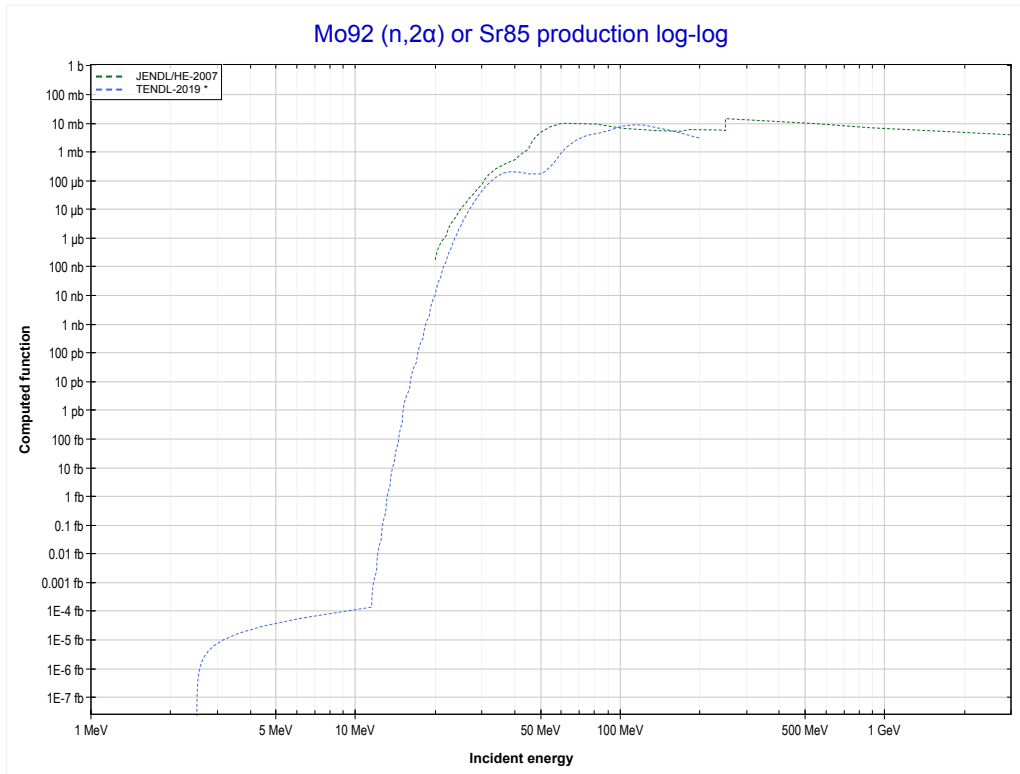
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.0082E-9 b | 4.76635E-9 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73894E-9 b | 1.37E-9 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.73894E-9 b | 1.37E-9 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.00122E-9 b | 4.76635E-9 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.00441E-9 b | 4.76635E-9 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.20096E-9 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.19645E-9 b | 2.2621E-10 b |

| | | |
|----------------|---|--------------------------|
| << 41-Nb-93 | 42-Mo-92 | 42-Mo-95 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Zr89 production) | MT108 (n,2 α) >> |



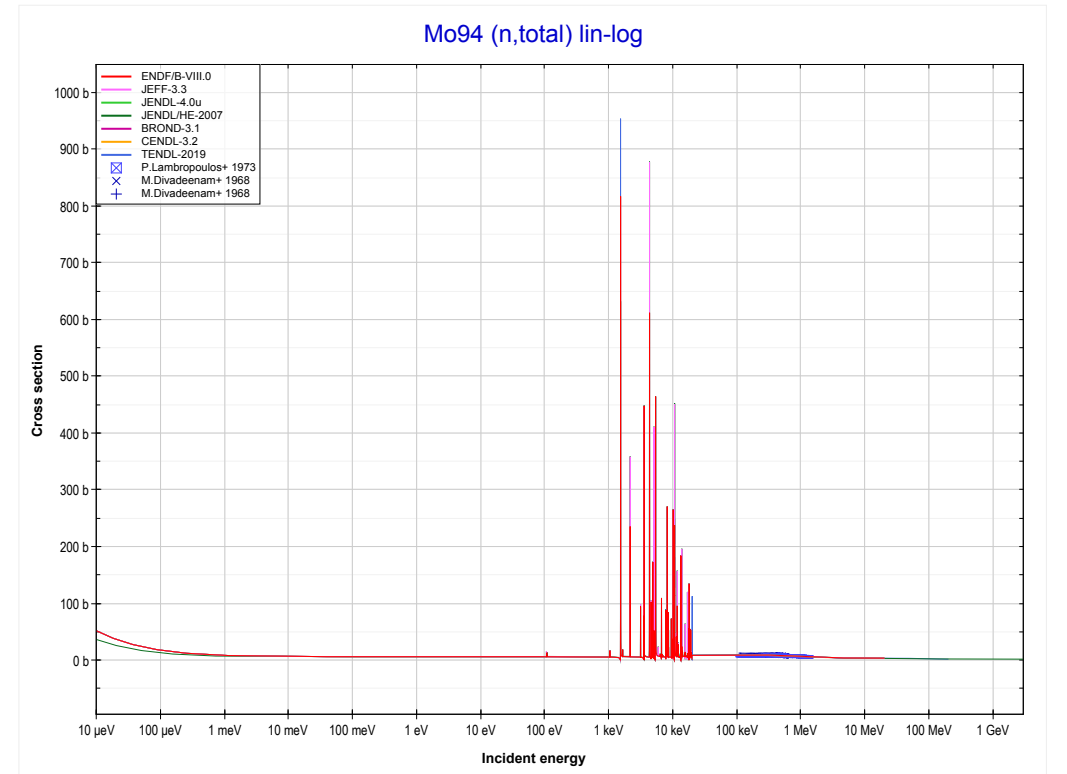
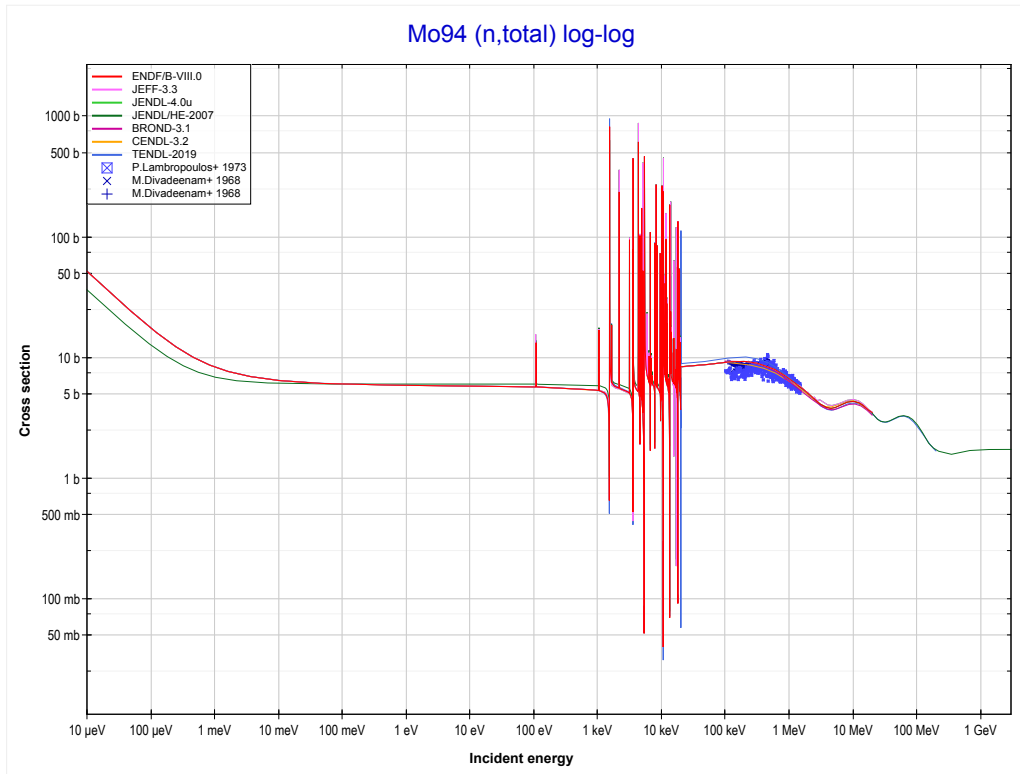
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.07468E-22 b | 1.67724E-4 b | 0.0214048 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21271E-4 b | 0.02298 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.21271E-4 b | 0.02298 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6765E-4 b | 0.0214048 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31586E-4 b | 0.0214 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.89385E-5 b | 0.0249015 b |
| TENDL-2019 | 9.1203E-13 b | 9.1203E-13 b | 9.1141E-13 b | 0.99932 | 7.32371E-12 b | 6.89984E-5 b | 0.0242457 b |

| | | |
|-------------------------|--|---------------------------|
| << 41-Nb-93 | 42-Mo-92 | |
| << MT107 (n, α) | MT108 (n,2α) or MT5 (Sr85 production) | 42-Mo-94 MT1 (n,total) >> |



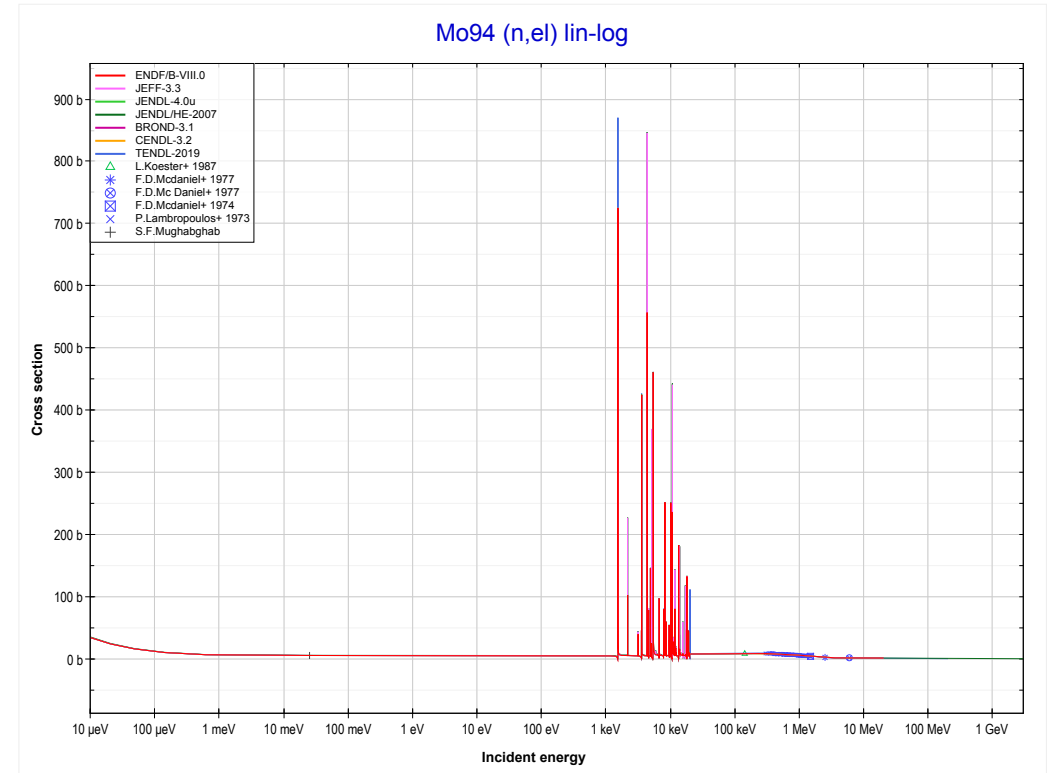
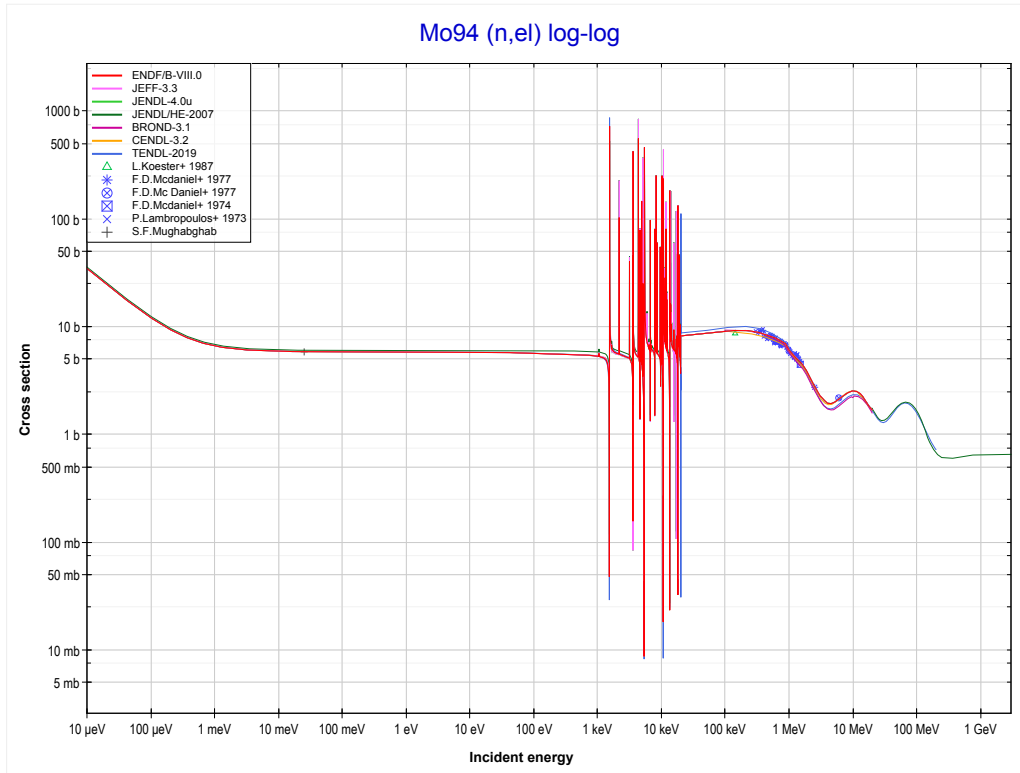
| Reaction | Q-Value | Reaction | Q-Value |
|------------------------------|---------------|------------------------|---------------|
| Mo92(n,2 α)Sr85 | -2483.79 keV | Mo92(n,n+p+t+He3)Sr85 | -42875.28 keV |
| Mo92(n,p+t+ α)Sr85 | -22297.66 keV | Mo92(n,2n+2He3)Sr85 | -43639.03 keV |
| Mo92(n,n+He3+ α)Sr85 | -23061.41 keV | Mo92(n,p+2d+t)Sr85 | -46144.19 keV |
| Mo92(n,2d+ α)Sr85 | -26330.32 keV | Mo92(n,n+2d+He3)Sr85 | -46907.94 keV |
| Mo92(n,n+p+d+ α)Sr85 | -28554.89 keV | Mo92(n,n+2p+d+t)Sr85 | -48368.75 keV |
| Mo92(n,2n+2p+ α)Sr85 | -30779.45 keV | Mo92(n,2n+p+d+He3)Sr85 | -49132.51 keV |
| Mo92(n,d+t+He3)Sr85 | -40650.71 keV | Mo92(n,4d)Sr85 | -50176.85 keV |
| Mo92(n,2p+2t)Sr85 | -42111.52 keV | Mo92(n,2n+3p+t)Sr85 | -50593.32 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << 42-Mo-92 MT108 (n,2α) | MT1 (n,total) | MT2 (n,elastic) >> |



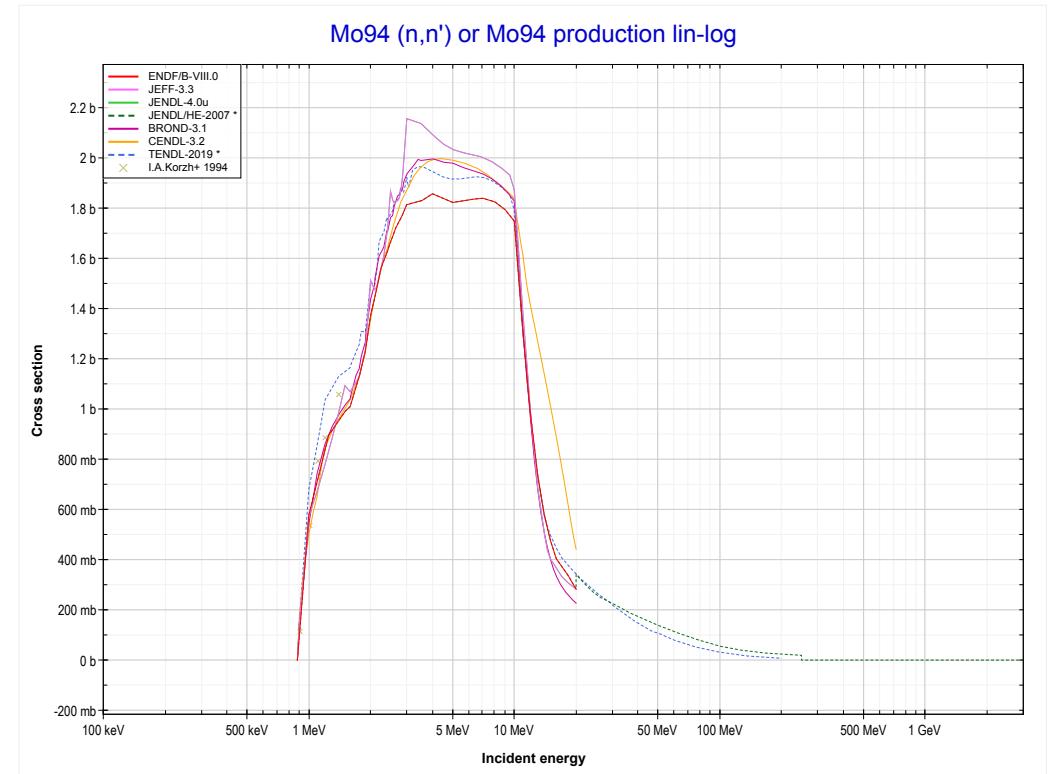
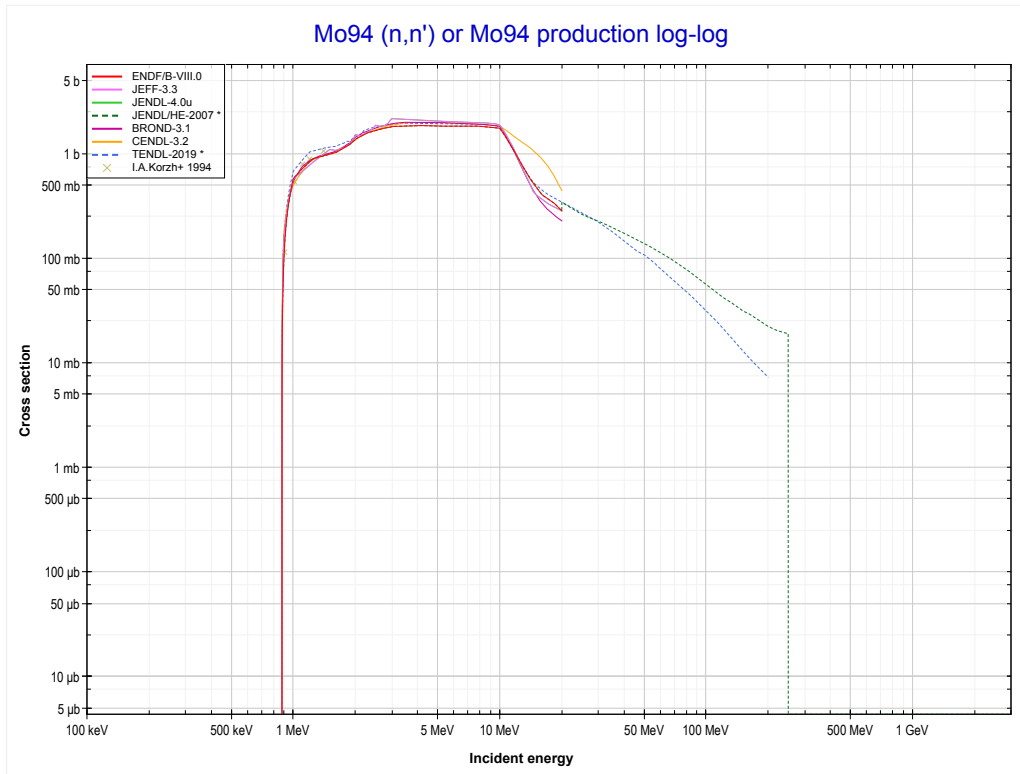
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.19546 b | 6.19546 b | 6.9471 b | 1.12132 | 83.3779 b | 5.88548 b | 4.07231 b |
| JEFF-3.3 | 6.19674 b | 6.19674 b | 6.9487 b | 1.12134 | 85.135 b | 5.95133 b | 4.17556 b |
| JENDL-4.0u | 6.19674 b | 6.19674 b | 6.9487 b | 1.12134 | 85.135 b | 5.95133 b | 4.17556 b |
| JENDL/HE-2007 | 6.04329 b | 6.04329 b | 6.8178 b | 1.12816 | 88.4958 b | 5.88949 b | 4.07231 b |
| BROND-3.1 | 6.19546 b | 6.19546 b | 6.9471 b | 1.12132 | 83.3779 b | 5.67284 b | 3.909 b |
| CENDL-3.2 | 6.19539 b | 6.19539 b | 6.9473 b | 1.12136 | 83.3979 b | 5.69384 b | 3.99032 b |
| TENDL-2019 | 6.21609 b | 6.21609 b | 6.9705 b | 1.12136 | 85.0515 b | 5.99745 b | 4.00099 b |

| | | |
|------------------|------------------------|---------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



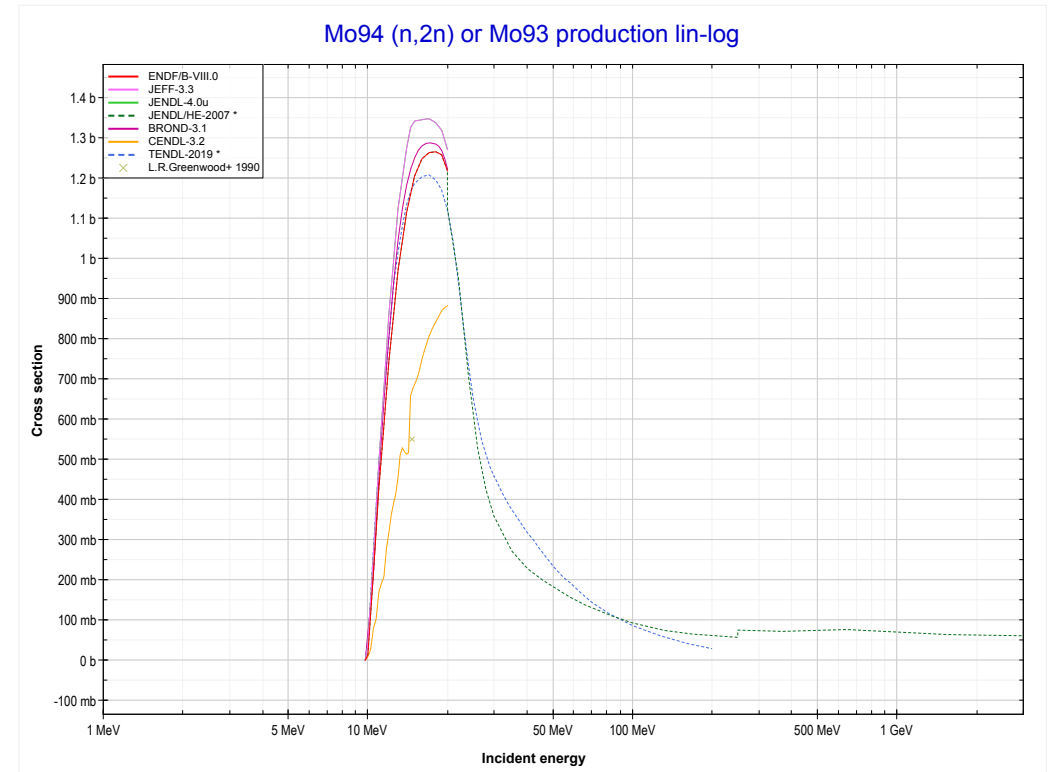
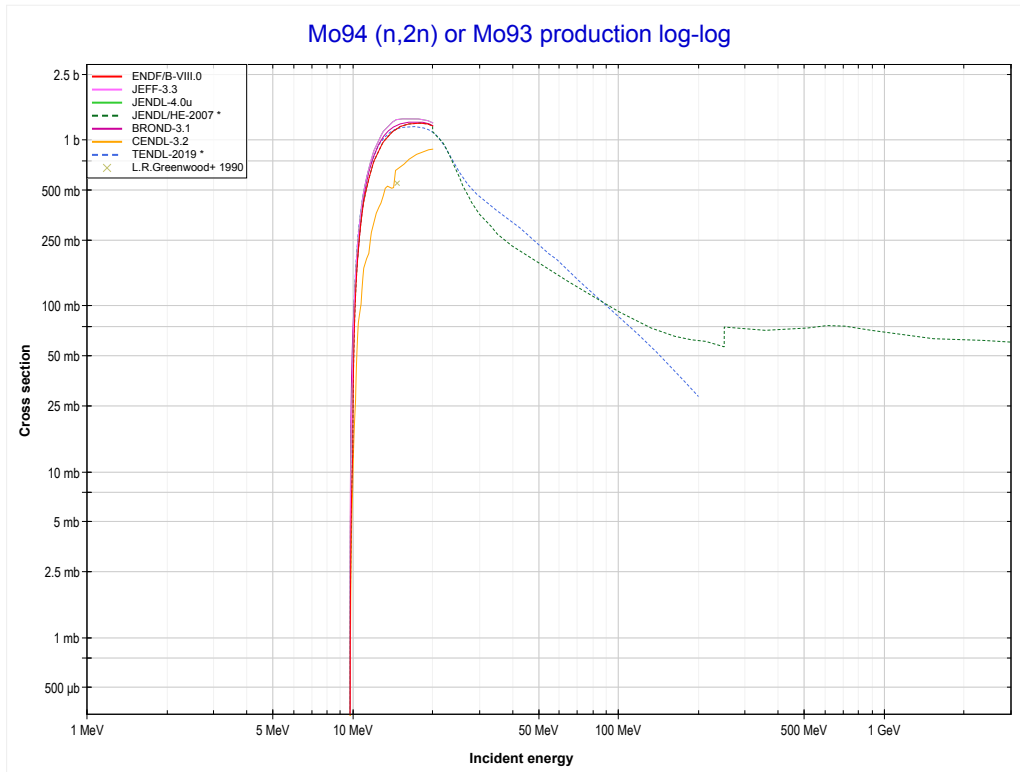
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.85511 b | 5.85511 b | 6.6066 b | 1.12836 | 82.0809 b | 4.86642 b | 2.28759 b |
| JEFF-3.3 | 5.85758 b | 5.85758 b | 6.6094 b | 1.12836 | 83.7841 b | 4.86845 b | 2.28759 b |
| JENDL-4.0u | 5.85758 b | 5.85758 b | 6.6094 b | 1.12836 | 83.7841 b | 4.86845 b | 2.28759 b |
| JENDL/HE-2007 | 6.03018 b | 6.03018 b | 6.8047 b | 1.12843 | 87.2541 b | 4.86906 b | 2.28759 b |
| BROND-3.1 | 5.85511 b | 5.85511 b | 6.6066 b | 1.12836 | 82.0809 b | 4.61085 b | 2.1281 b |
| CENDL-3.2 | 5.85511 b | 5.85511 b | 6.607 b | 1.12842 | 82.101 b | 4.65227 b | 2.2444 b |
| TENDL-2019 | 5.87449 b | 5.87449 b | 6.6289 b | 1.12842 | 83.7753 b | 4.90064 b | 2.19905 b |

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|--------------------|--|----------------|
| << 42-Mo-92 | 42-Mo-94 | 43-Tc-99 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Mo94 production) | MT16 (n,2n) >> |



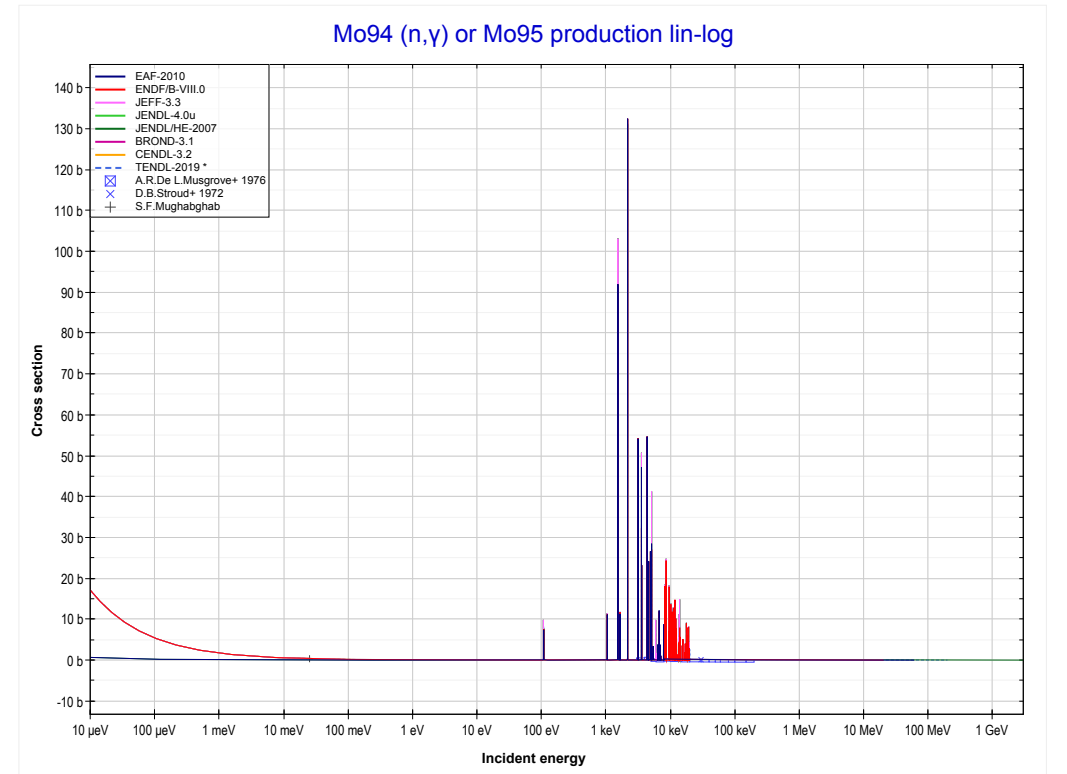
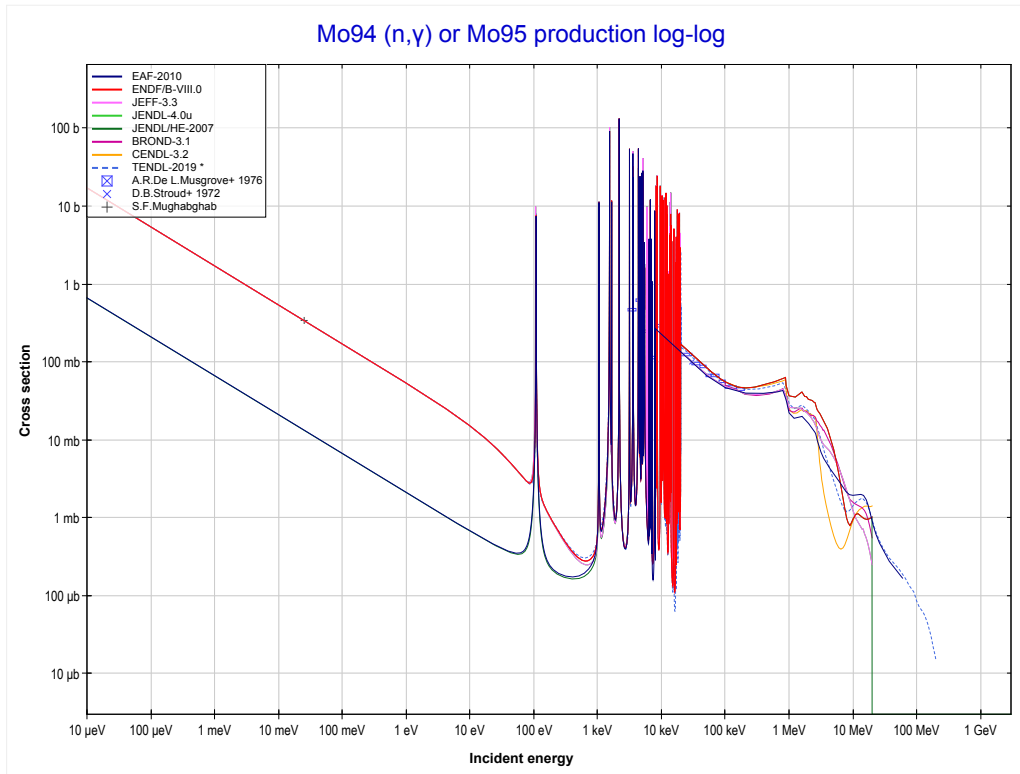
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.981154 b | 0.576195 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05615 b | 0.505656 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.05615 b | 0.505656 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.981159 b | 0.576195 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03501 b | 0.506792 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01317 b | 1.13889 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06754 b | 0.581005 b |

| | | |
|---------------|---|-------------------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Mo93 production) | MT102 (n, γ) >> |



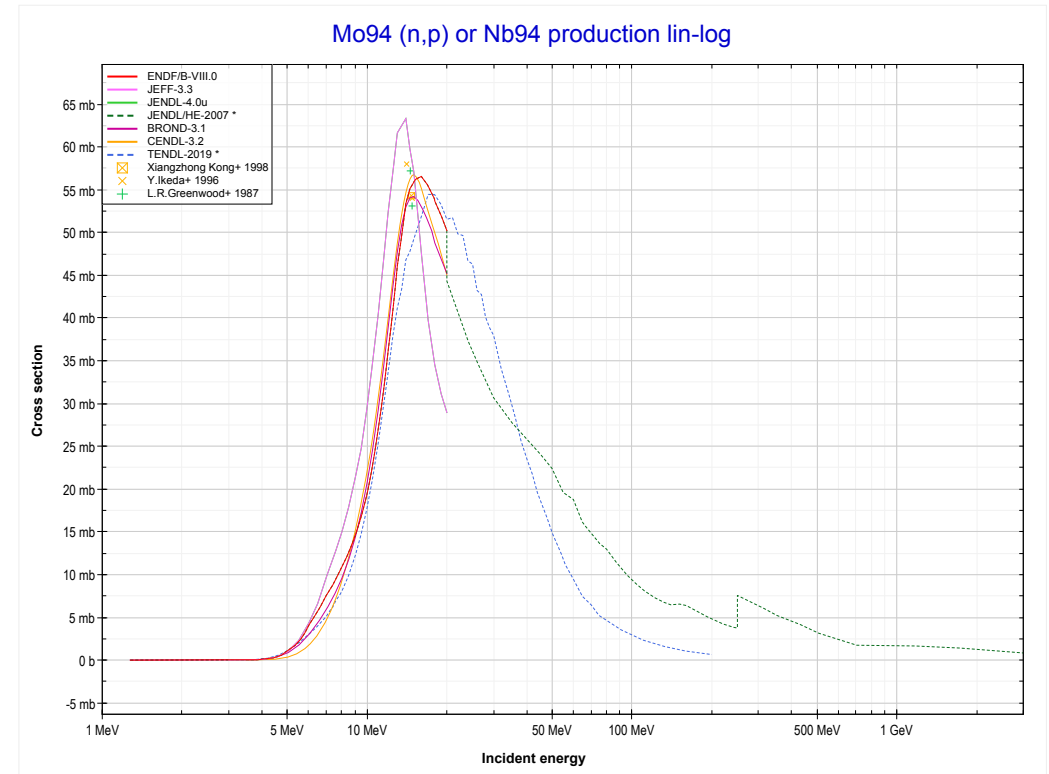
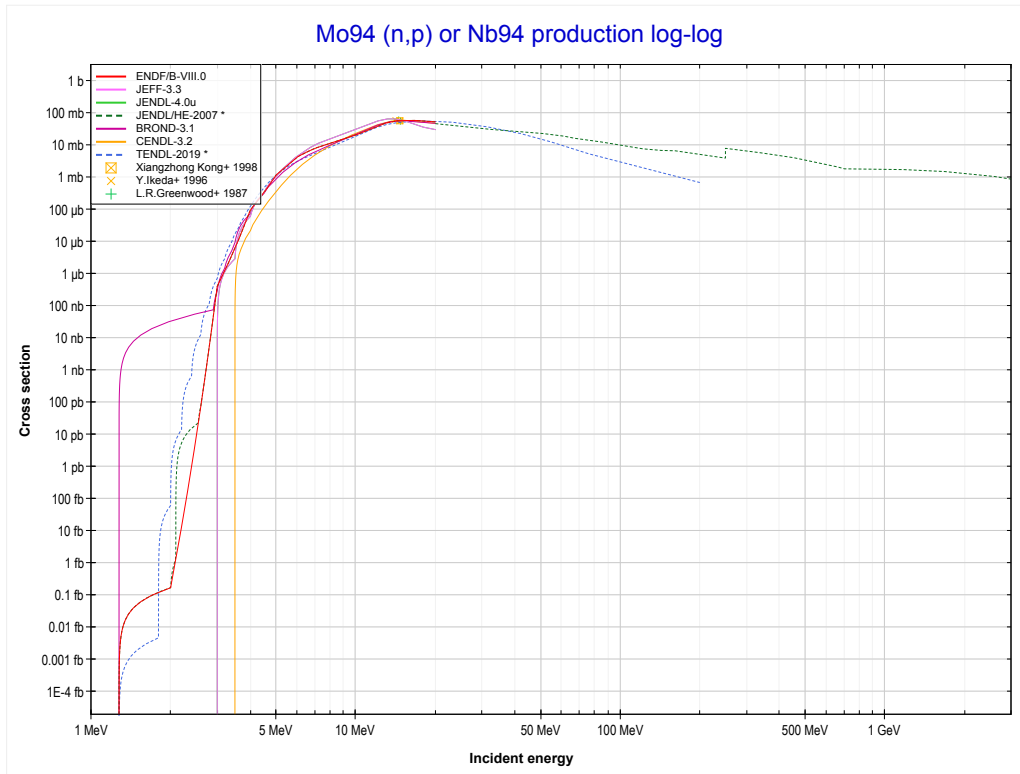
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.5382E-4 b | 1.11328 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00111345 b | 1.273 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00111345 b | 1.273 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 9.53726E-4 b | 1.11328 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00103894 b | 1.1811 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11248E-4 b | 0.512417 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00106611 b | 1.1331 b |

| | | |
|----------------|---|----------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Mo95 production) | MT103 (n,p) >> |



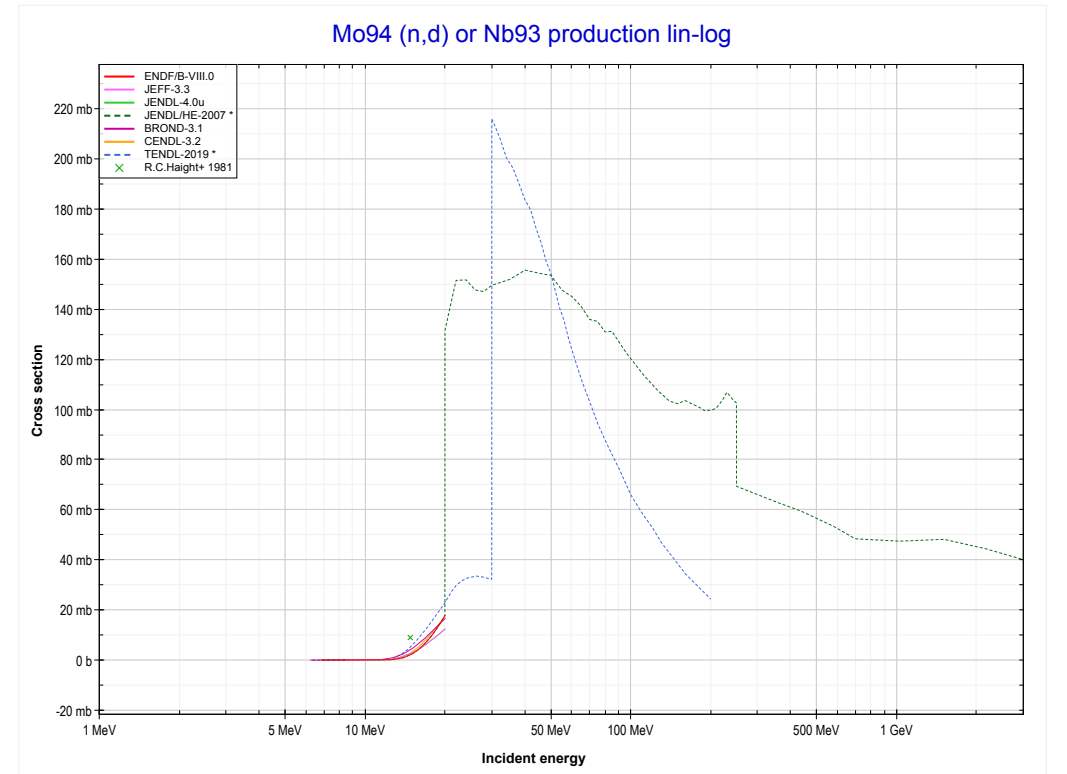
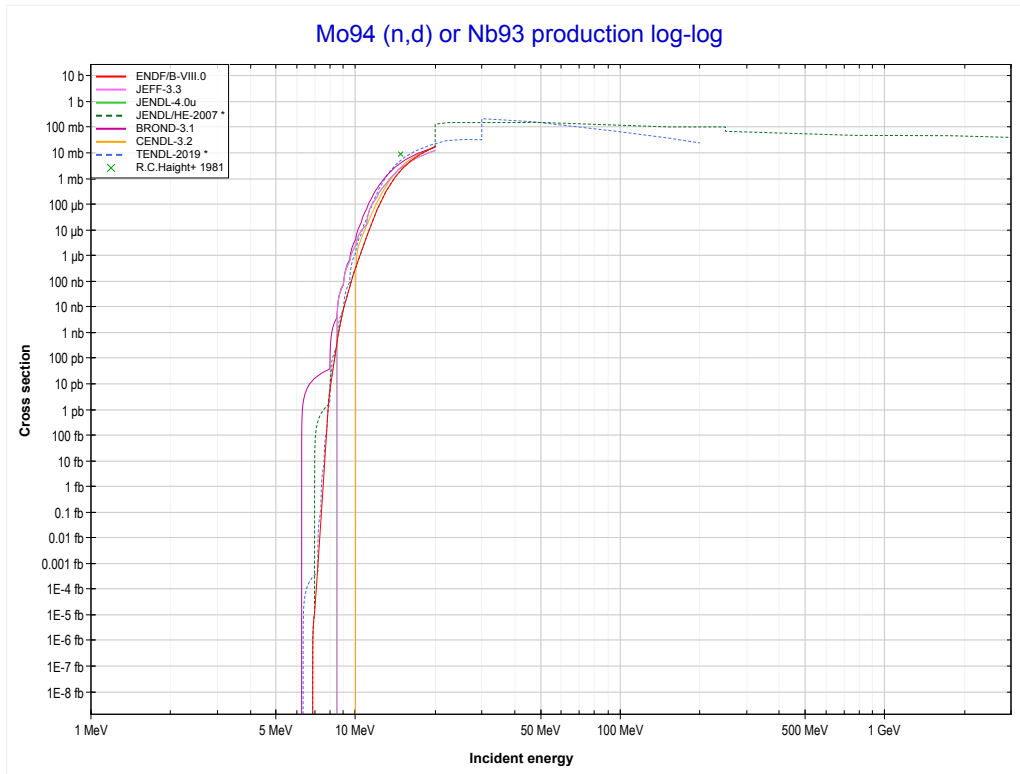
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0132158 b | 0.0132059 b | 0.013203 b | 0.99979 | 1.1719 b | 0.0215552 b | 0.00197519 b |
| ENDF/B-VIII.0 | 0.340351 b | 0.340351 b | 0.34044 b | 1.00025 | 1.29704 b | 0.0356056 b | 0.00100786 b |
| JEFF-3.3 | 0.339162 b | 0.339162 b | 0.33925 b | 1.00025 | 1.35091 b | 0.0246911 b | 7.099E-4 b |
| JENDL-4.0u | 0.339162 b | 0.339162 b | 0.33925 b | 1.00025 | 1.35091 b | 0.0246911 b | 7.099E-4 b |
| JENDL/HE-2007 | 0.0131098 b | 0.0131098 b | 0.013111 b | 1.00007 | 1.23573 b | 0.0356458 b | 0.00100786 b |
| BROND-3.1 | 0.340351 b | 0.340351 b | 0.34044 b | 1.00025 | 1.29704 b | 0.0254439 b | 0.0013389 b |
| CENDL-3.2 | 0.340285 b | 0.340285 b | 0.34025 b | 0.99989 | 1.29642 b | 0.0262962 b | 0.0013487 b |
| TENDL-2019 | 0.341596 b | 0.341596 b | 0.34156 b | 0.99989 | 1.27675 b | 0.0273563 b | 0.00170379 b |

| | | |
|-------------------------|---|----------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb94 production) | MT104 (n,d) >> |



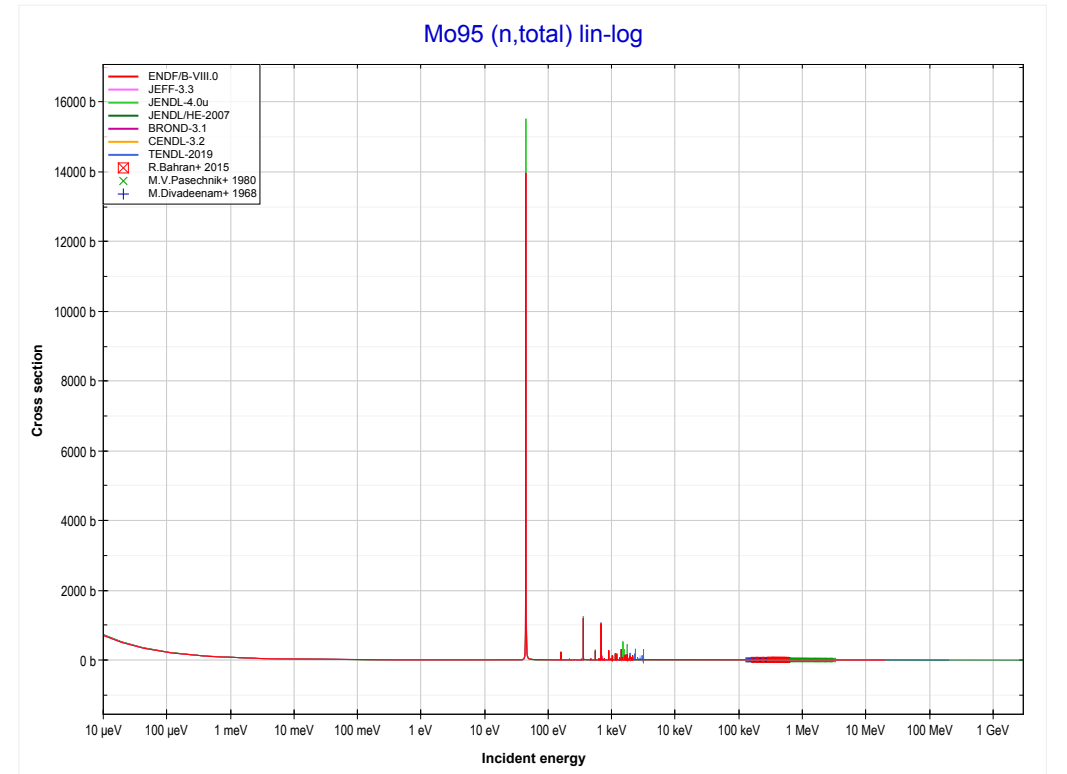
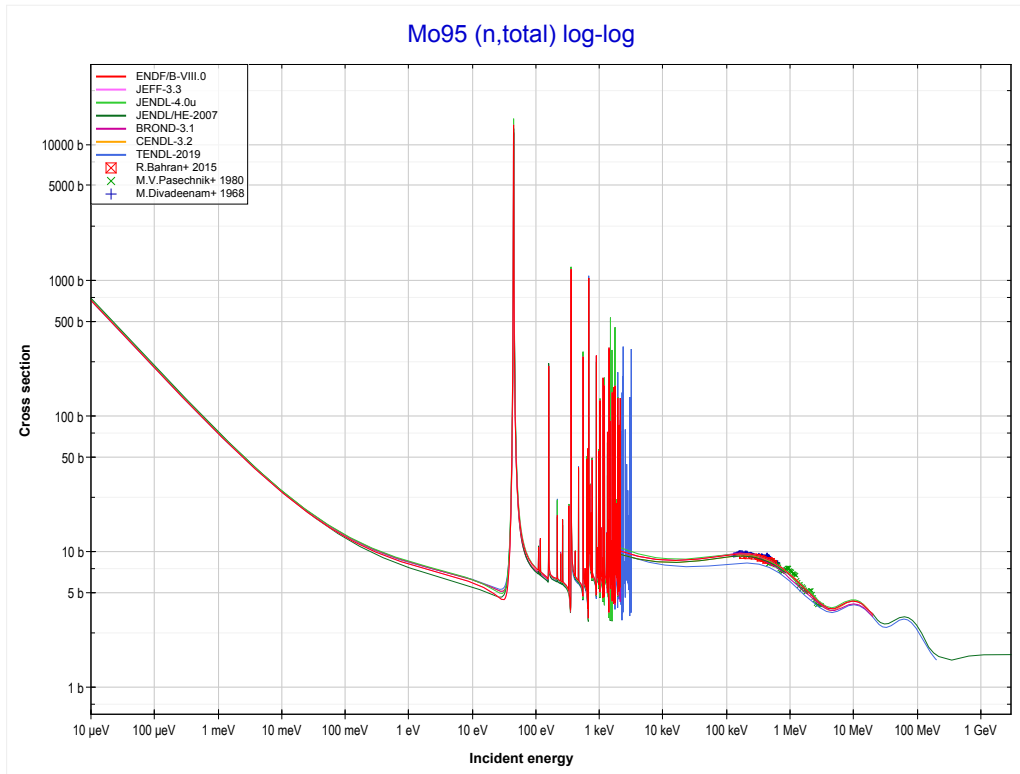
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.77522E-4 b | 0.053405 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.80095E-4 b | 0.06331 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.80095E-4 b | 0.06331 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.77579E-4 b | 0.053405 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32351E-4 b | 0.052975 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72718E-4 b | 0.0546483 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13889E-4 b | 0.0468084 b |

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|----------------|---|---------------------------|
| << 42-Mo-92 | 42-Mo-94 | 42-Mo-95 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb93 production) | 42-Mo-95 MT1 (n,total) >> |



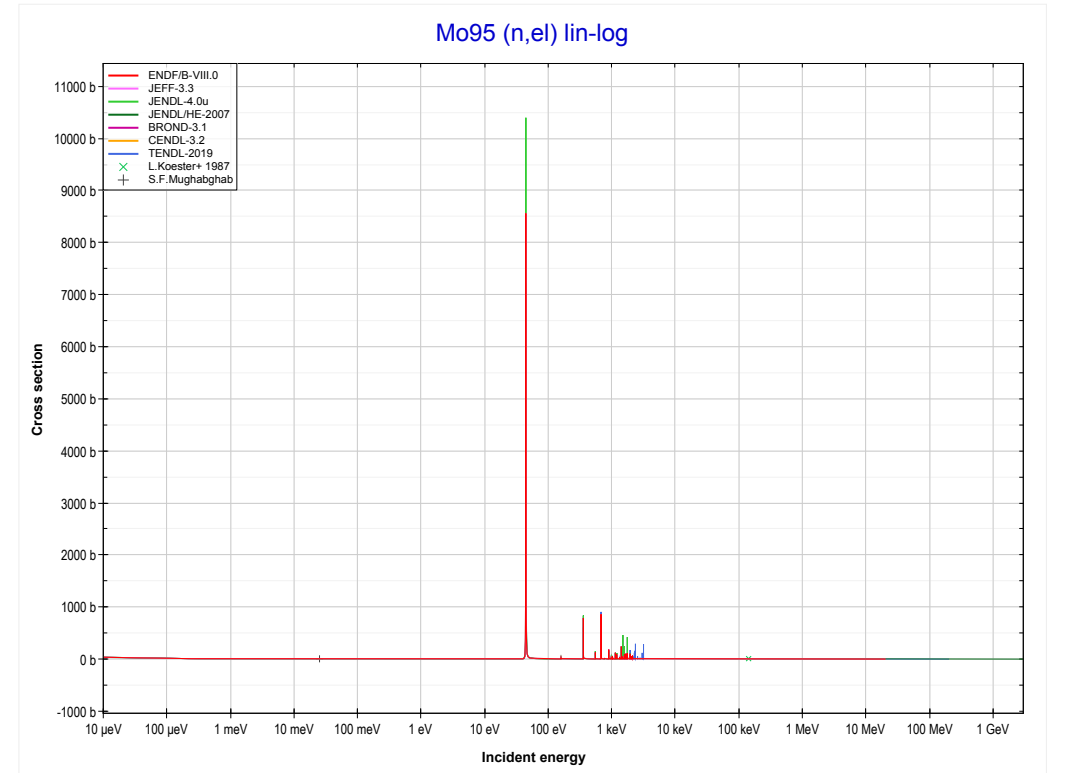
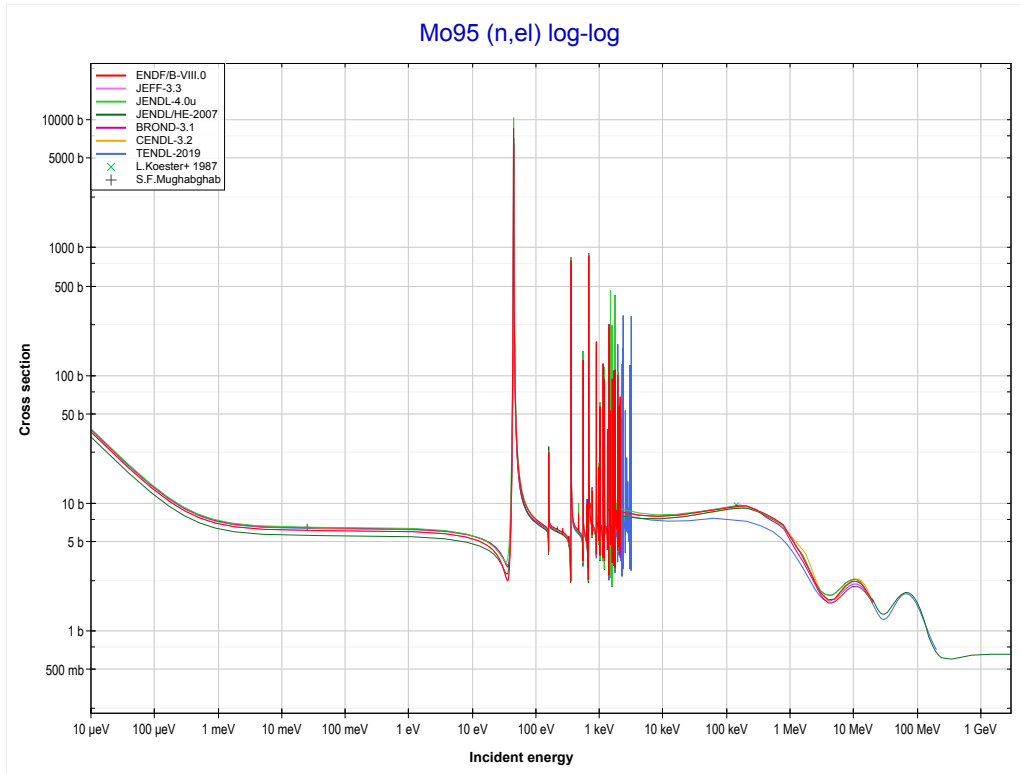
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.15907E-7 b | 0.00102366 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.68782E-7 b | 0.001434 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.68782E-7 b | 0.001434 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.15887E-7 b | 0.00102366 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12823E-6 b | 0.0025768 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.83059E-7 b | 0.00146328 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24381E-6 b | 0.00298798 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-96 >> |
| << 42-Mo-94 MT104 (n,d) | MT1 (n,total) | MT2 (n,elastic) >> |



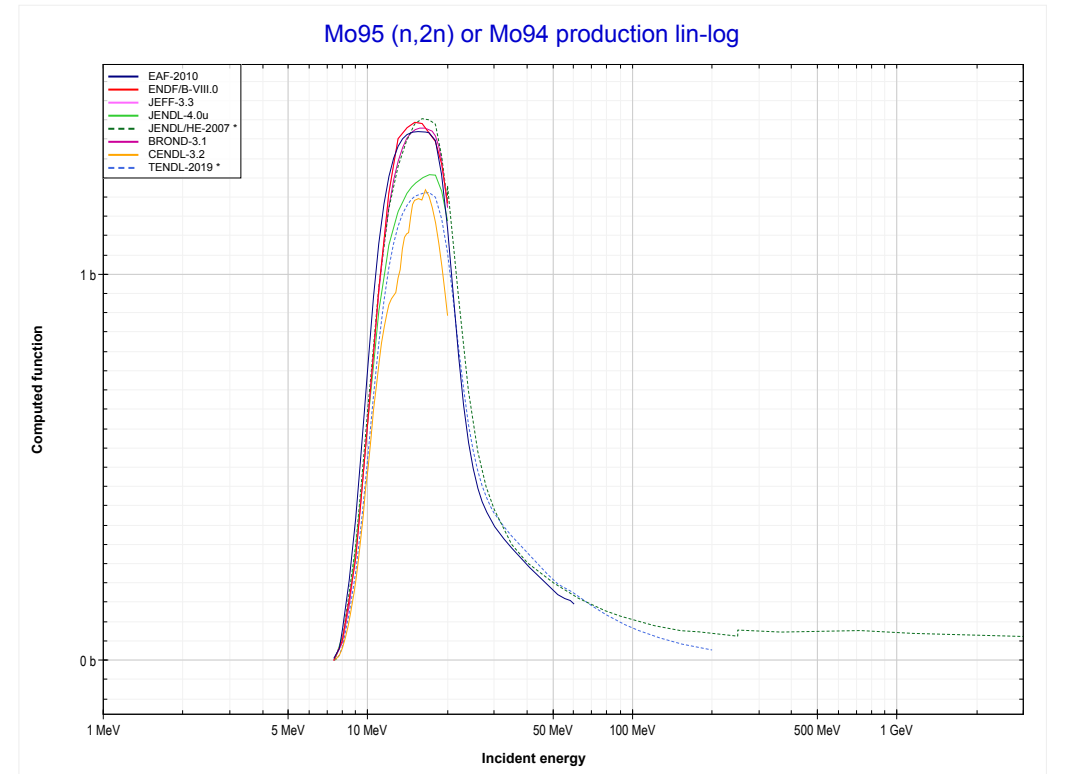
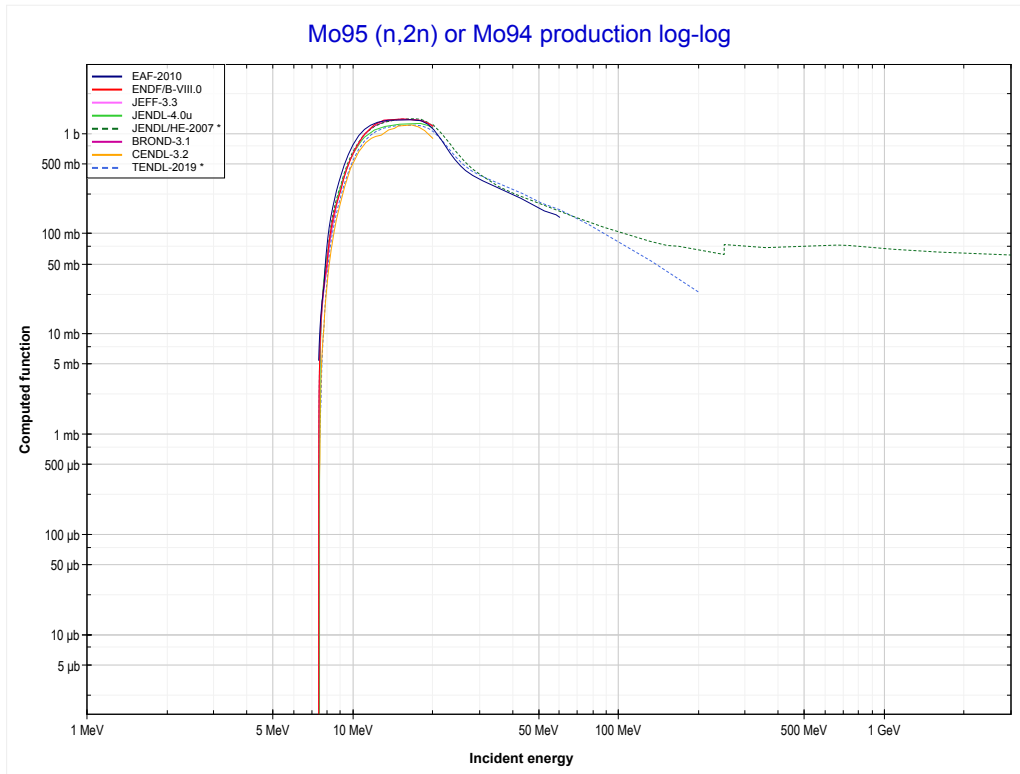
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 19.5204 b | 19.5204 b | 20.305 b | 1.04019 | 337.445 b | 5.95826 b | 4.07098 b |
| JEFF-3.3 | 19.5204 b | 19.5204 b | 20.305 b | 1.04019 | 337.445 b | 5.95826 b | 4.07098 b |
| JENDL-4.0u | 20.0988 b | 20.0988 b | 20.931 b | 1.04141 | 373.186 b | 5.9711 b | 4.11682 b |
| JENDL/HE-2007 | 19.5876 b | 19.5876 b | 20.297 b | 1.03621 | 333.797 b | 5.88769 b | 4.07231 b |
| BROND-3.1 | 19.9817 b | 19.9817 b | 20.802 b | 1.04107 | 312.296 b | 5.70747 b | 3.909 b |
| CENDL-3.2 | 19.9791 b | 19.9791 b | 20.795 b | 1.04085 | 310.895 b | 5.92613 b | 4.1247 b |
| TENDL-2019 | 19.6565 b | 19.6565 b | 20.467 b | 1.04121 | 311.958 b | 5.32742 b | 3.86484 b |

| | | |
|------------------|------------------------|----------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-96 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



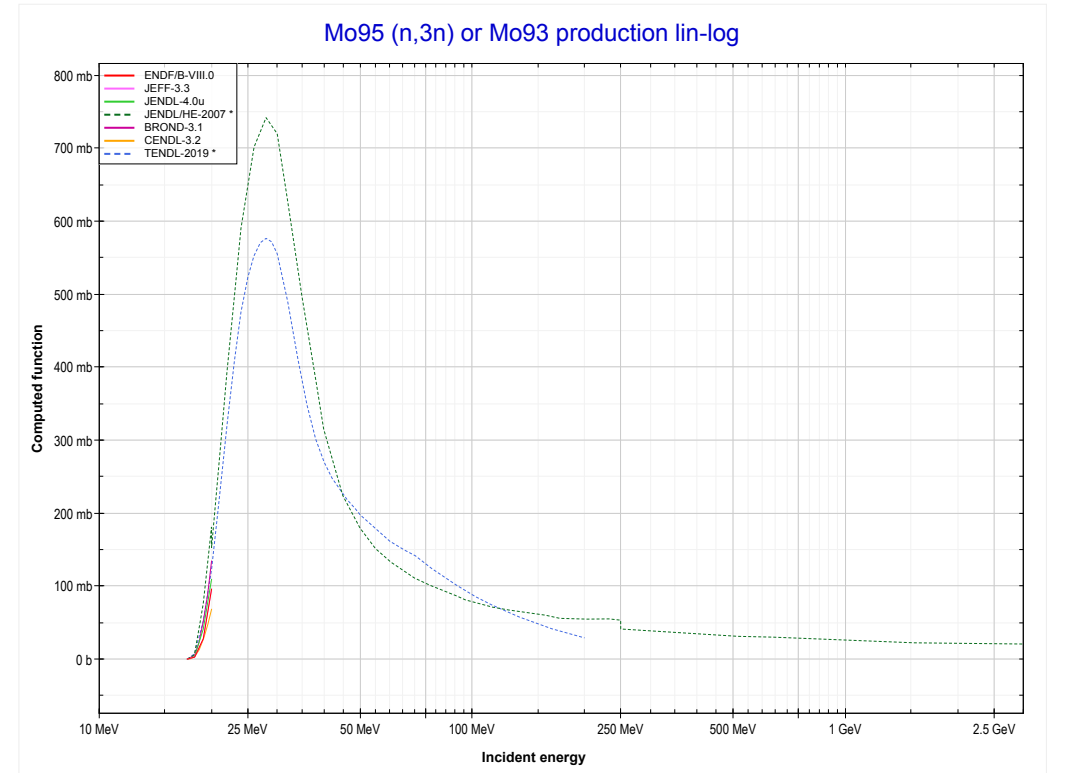
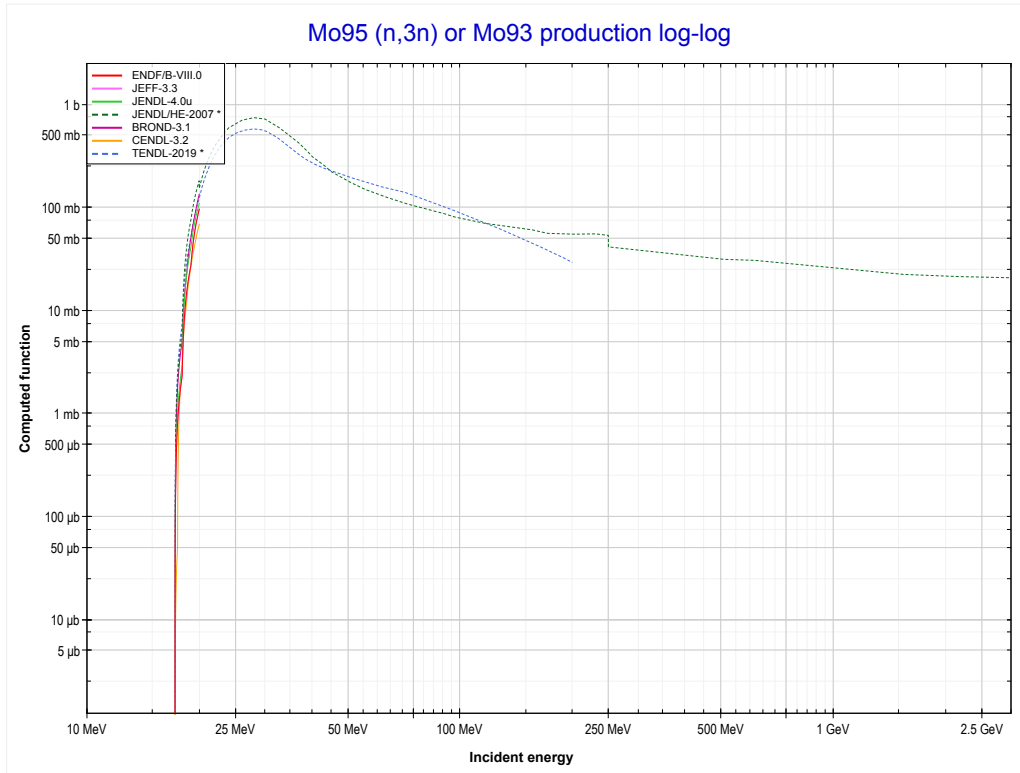
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.12548 b | 6.12548 b | 6.9093 b | 1.12796 | 232.996 b | 4.45089 b | 2.26816 b |
| JEFF-3.3 | 6.12548 b | 6.12548 b | 6.9093 b | 1.12796 | 232.996 b | 4.45089 b | 2.26816 b |
| JENDL-4.0u | 6.49718 b | 6.49718 b | 7.3284 b | 1.12794 | 271.621 b | 4.46498 b | 2.29267 b |
| JENDL/HE-2007 | 5.5952 b | 5.5952 b | 6.3112 b | 1.12798 | 215.52 b | 4.43427 b | 2.29267 b |
| BROND-3.1 | 6.41393 b | 6.41393 b | 7.2345 b | 1.12794 | 201.684 b | 4.23066 b | 2.10705 b |
| CENDL-3.2 | 6.41393 b | 6.41393 b | 7.2349 b | 1.12801 | 200.237 b | 4.57751 b | 2.40479 b |
| TENDL-2019 | 6.33982 b | 6.33982 b | 7.1517 b | 1.12806 | 194.119 b | 3.64068 b | 2.18276 b |

| | | |
|--------------------|---|----------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-100 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Mo94 production) | MT17 (n,3n) >> |



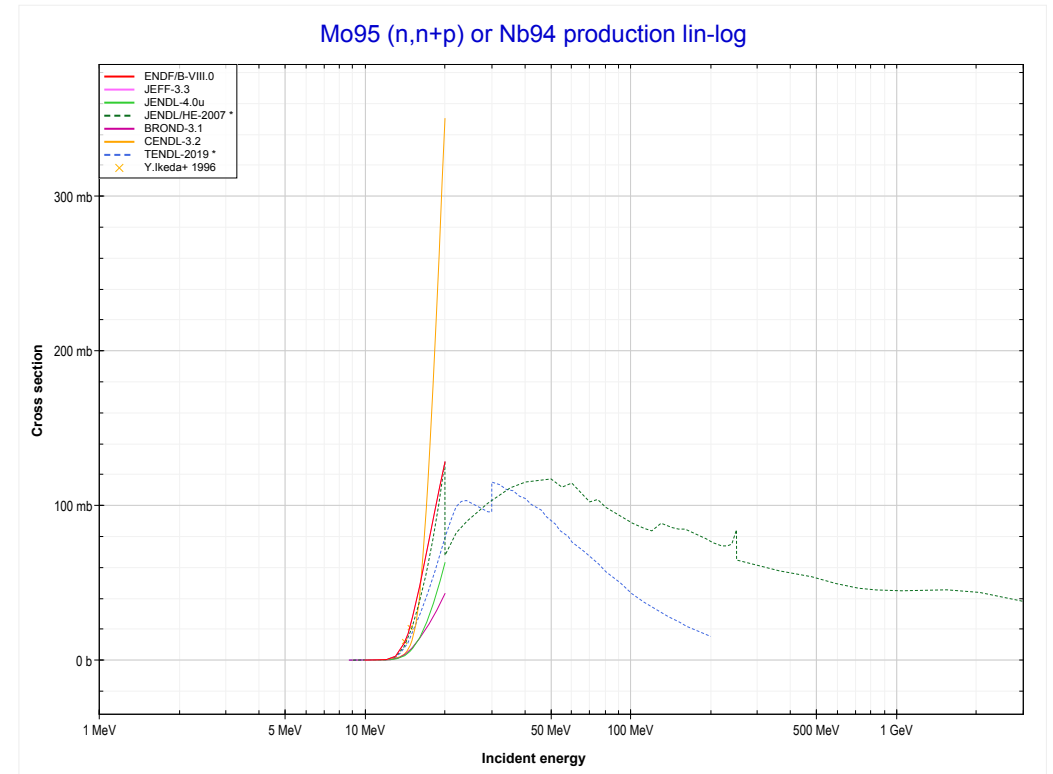
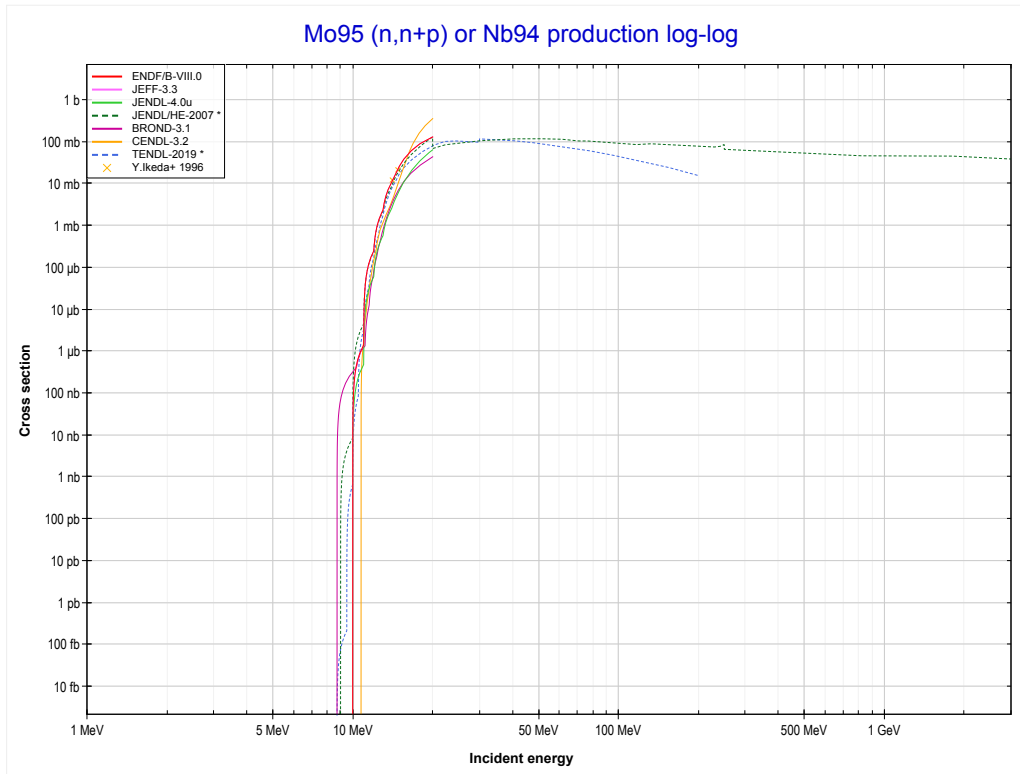
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00408381 b | 1.36129 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0034402 b | 1.37862 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0034402 b | 1.37862 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00334616 b | 1.208 b |
| JENDL/HE-2007 * | 0 b | 0 b | 0 b | 0 | 0 b | 0.00356464 b | 1.34556 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00338745 b | 1.3511 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00261115 b | 1.1046 b |
| TENDL-2019 * | 0 b | 0 b | 0 b | 0 | 0 b | 0.00285821 b | 1.17649 b |

| | | |
|----------------|---|-----------------|
| << 41-Nb-93 | 42-Mo-95 | 45-Rh-103 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Mo93 production) | MT28 (n,n+p) >> |



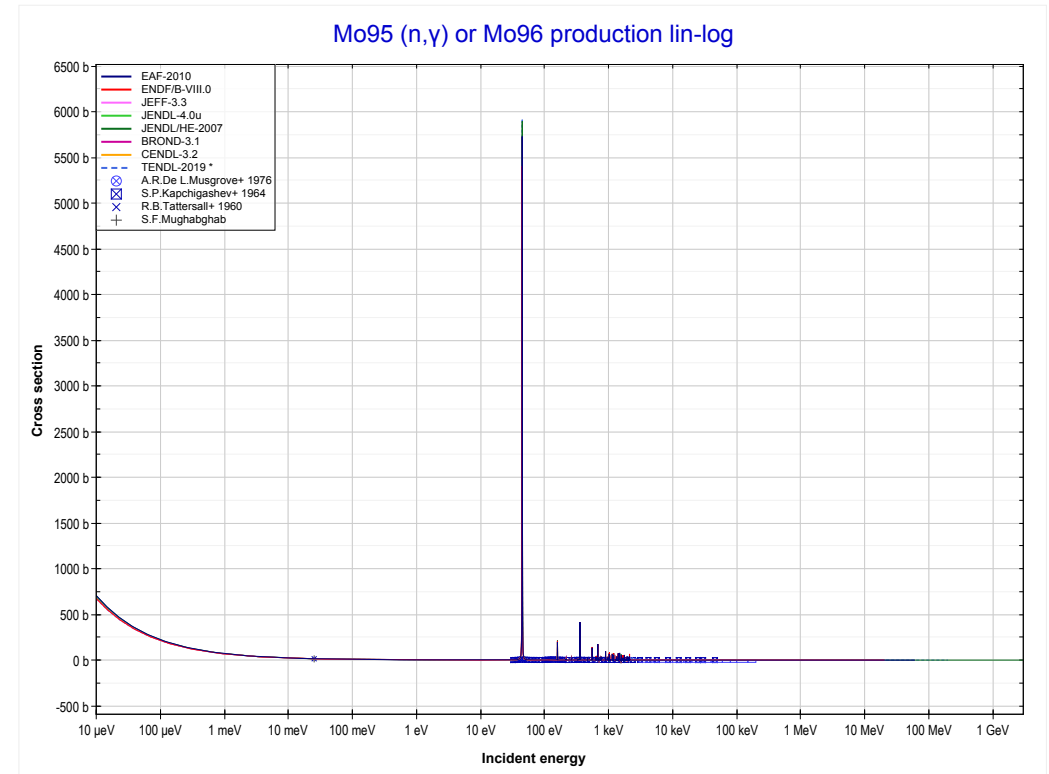
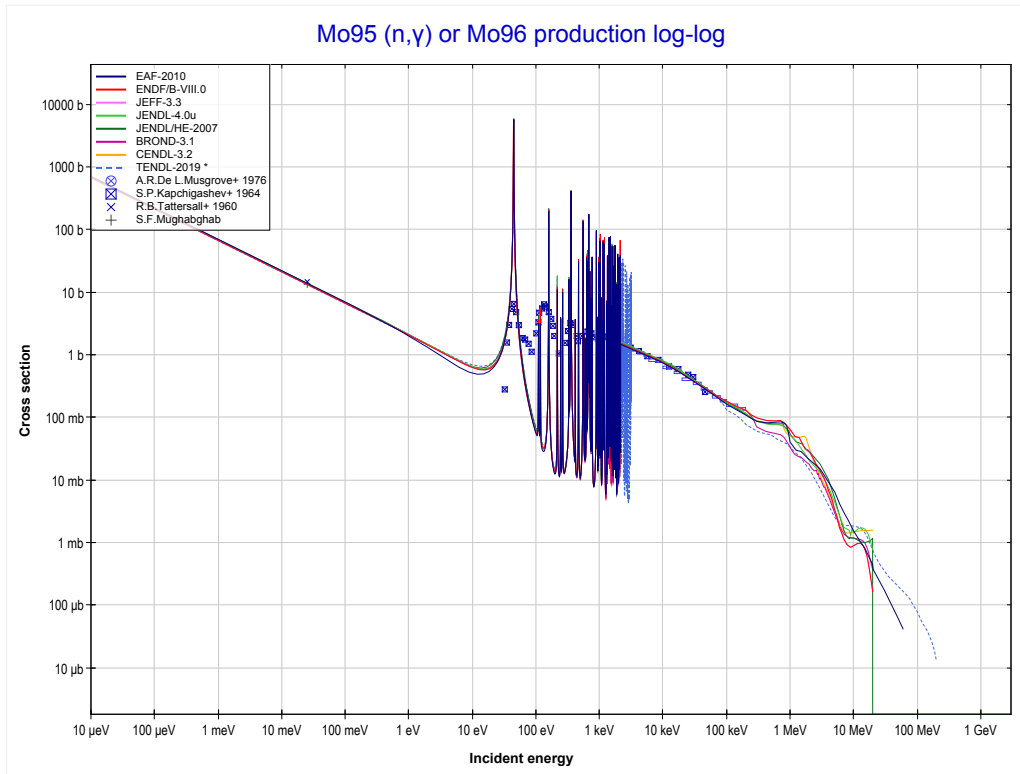
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51874E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51874E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.98645E-7 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.56011E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.37358E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21674E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.54474E-7 b | 0 b |

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|----------------|--|-------------------------|
| << 42-Mo-92 | 42-Mo-95 | 42-Mo-96 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Nb94 production) | MT102 (n, γ) >> |



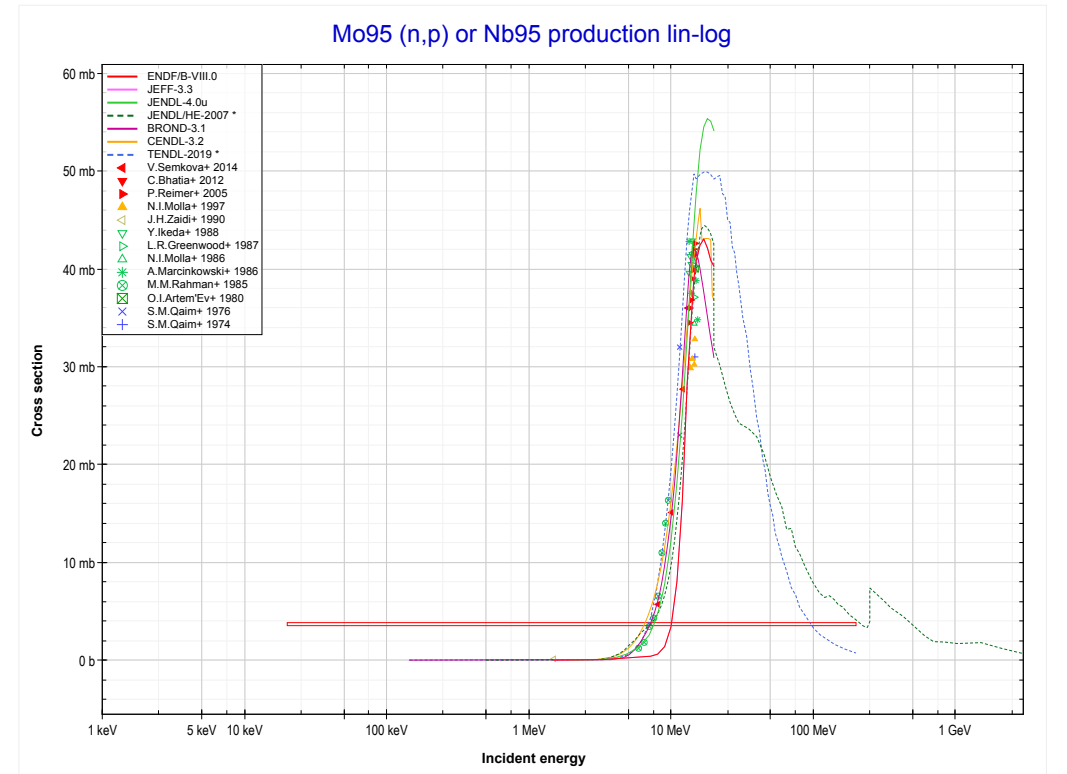
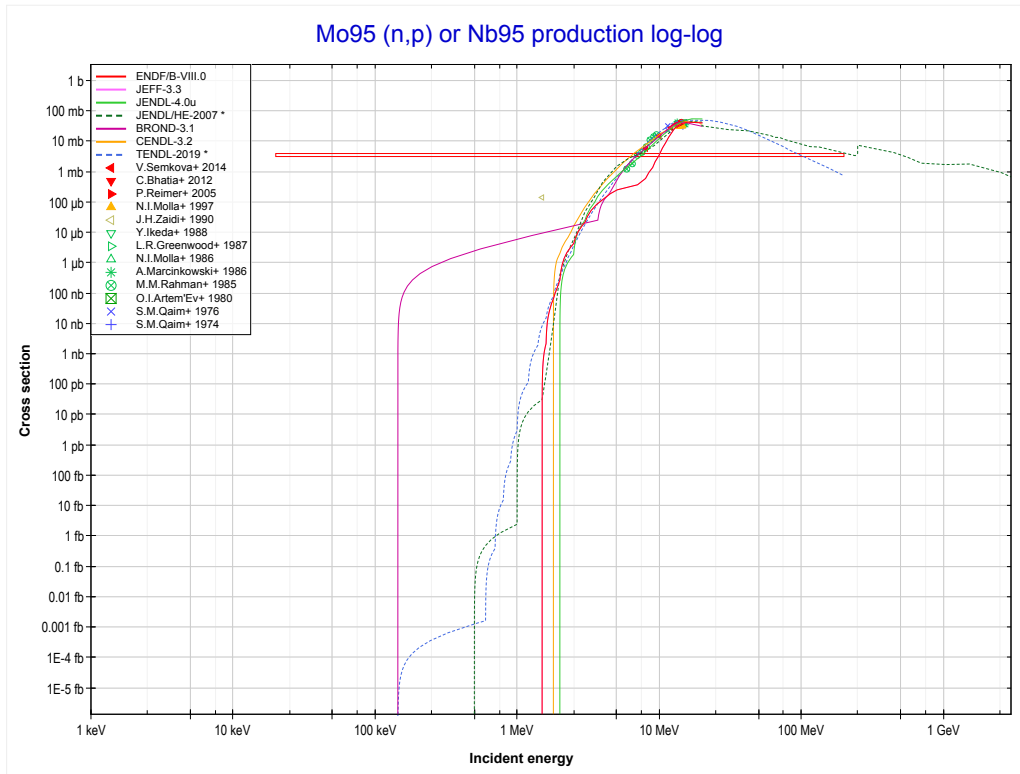
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.04405E-6 b | 0.0104164 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.04405E-6 b | 0.0104164 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.52043E-6 b | 0.002446 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.23201E-6 b | 0.0083692 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.48345E-6 b | 0.00314784 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.59677E-6 b | 0.0035259 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17287E-6 b | 0.00750198 b |

| | | |
|-----------------|---|----------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-96 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mo96 production) | MT103 (n,p) >> |



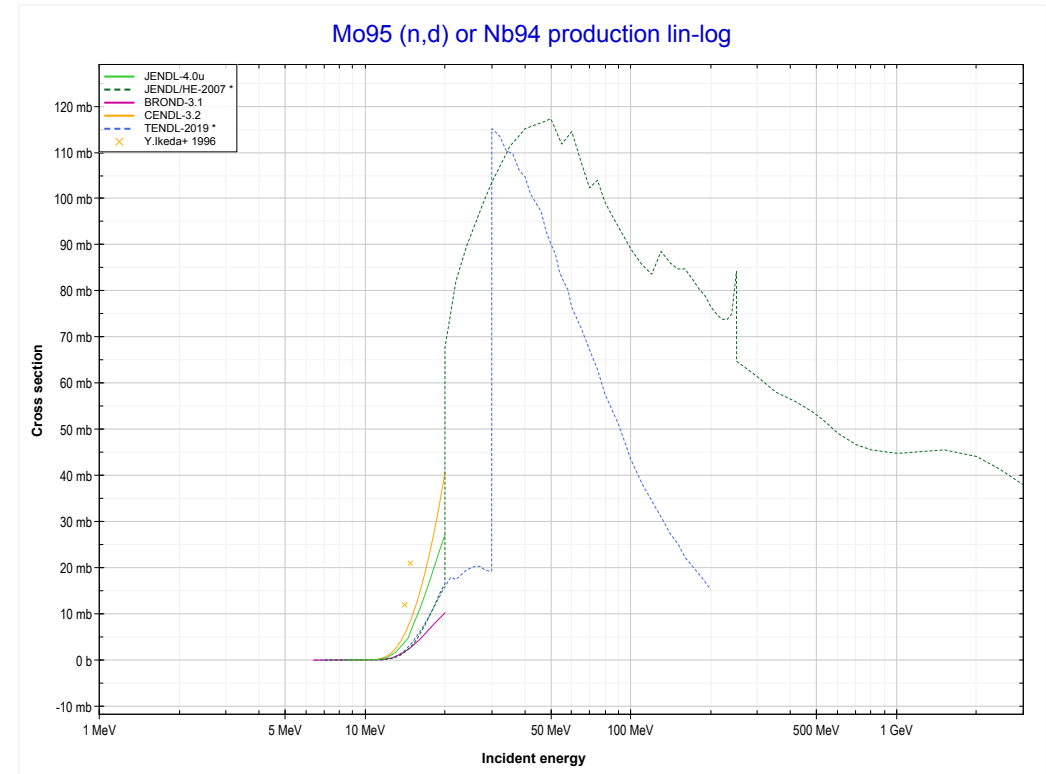
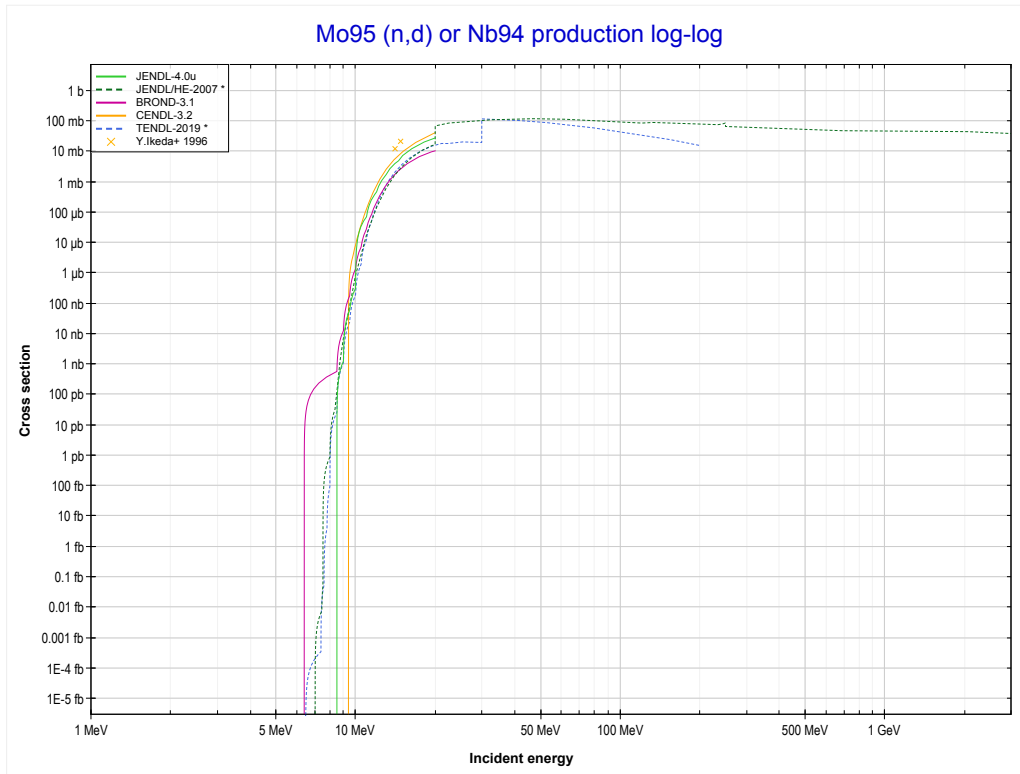
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 14.0089 b | 13.9983 b | 13.975 b | 0.99836 | 110.222 b | 0.0428871 b | 9.10081E-4 b |
| ENDF/B-VIII.0 | 13.3947 b | 13.3947 b | 13.395 b | 1.00005 | 104.446 b | 0.0495322 b | 9.03897E-4 b |
| JEFF-3.3 | 13.3947 b | 13.3947 b | 13.395 b | 1.00005 | 104.446 b | 0.0495322 b | 9.03897E-4 b |
| JENDL-4.0u | 13.6015 b | 13.6015 b | 13.603 b | 1.00008 | 101.565 b | 0.0433033 b | 0.001719 b |
| JENDL/HE-2007 | 13.9925 b | 13.9925 b | 13.986 b | 0.99952 | 118.271 b | 0.0464216 b | 0.00100236 b |
| BROND-3.1 | 13.5677 b | 13.5677 b | 13.568 b | 1 | 110.612 b | 0.0342191 b | 0.0010689 b |
| CENDL-3.2 | 13.5652 b | 13.5652 b | 13.56 b | 0.99964 | 110.651 b | 0.0468248 b | 0.0015647 b |
| TENDL-2019 | 13.3167 b | 13.3167 b | 13.315 b | 0.99986 | 117.71 b | 0.0295082 b | 0.00158559 b |

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|-------------------------|---|----------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-96 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb95 production) | MT104 (n,d) >> |



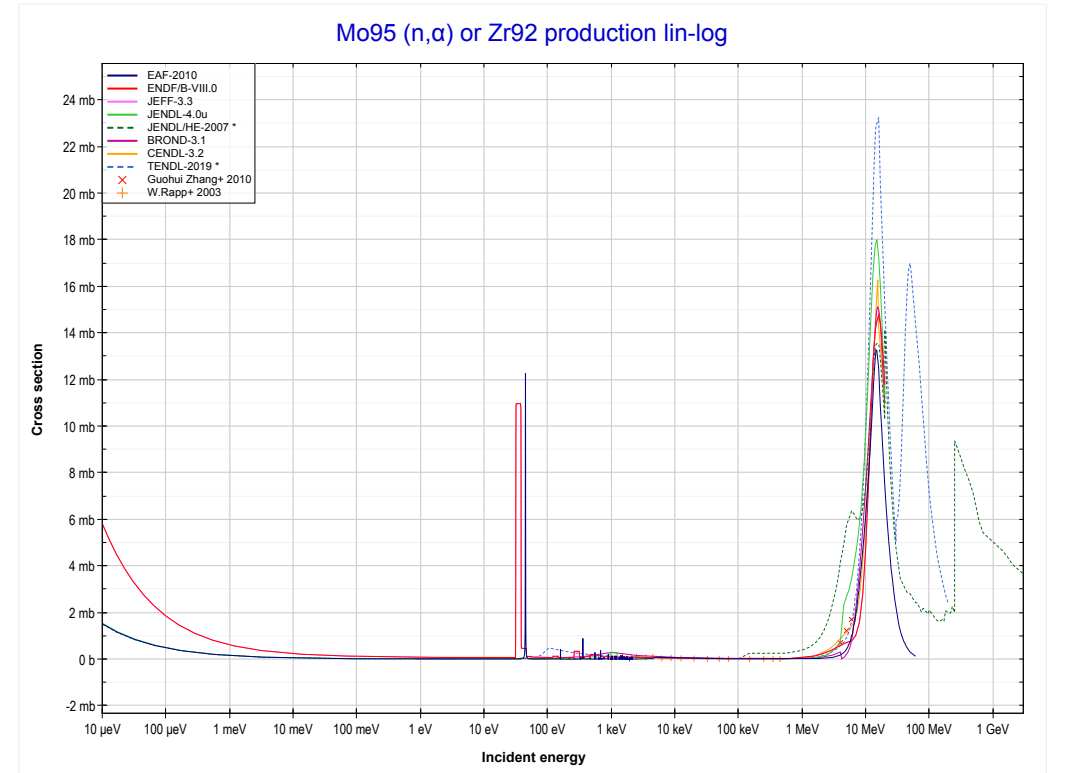
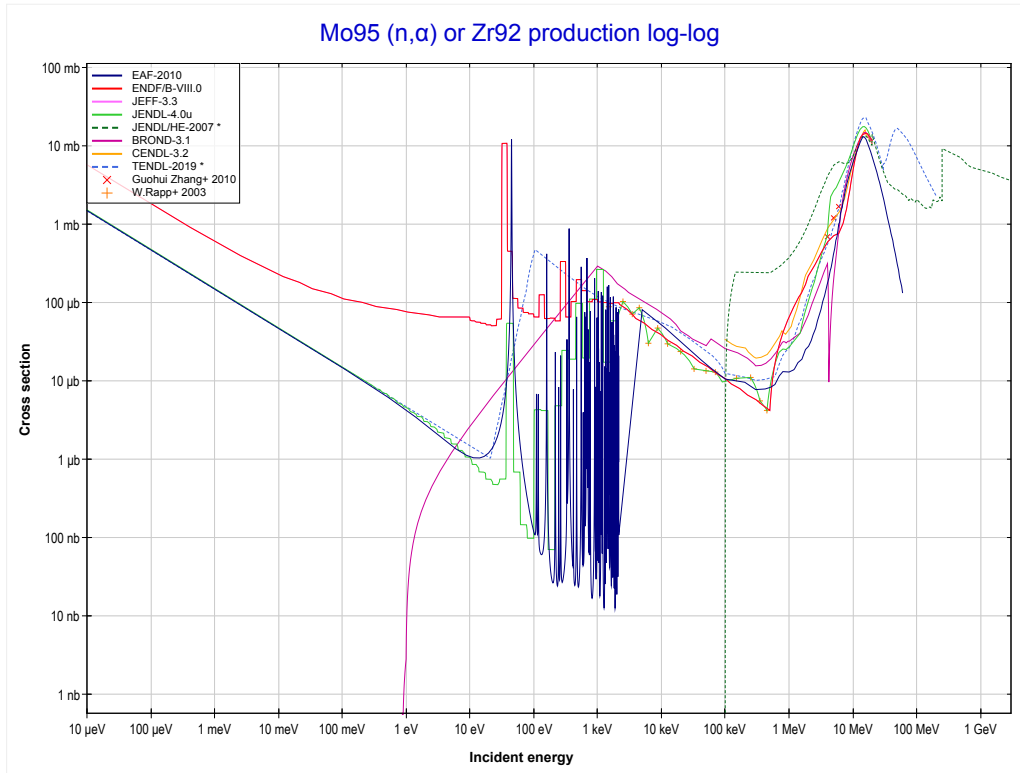
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.7101E-5 b | 0.0358489 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.7101E-5 b | 0.0358489 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.04854E-4 b | 0.04123 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.67426E-4 b | 0.0352333 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20209E-4 b | 0.041565 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25499E-4 b | 0.039377 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64184E-4 b | 0.0478485 b |

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|----------------|---|-------------------------|
| << 42-Mo-94 | 42-Mo-95 | 42-Mo-96 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb94 production) | MT107 (n, α) >> |



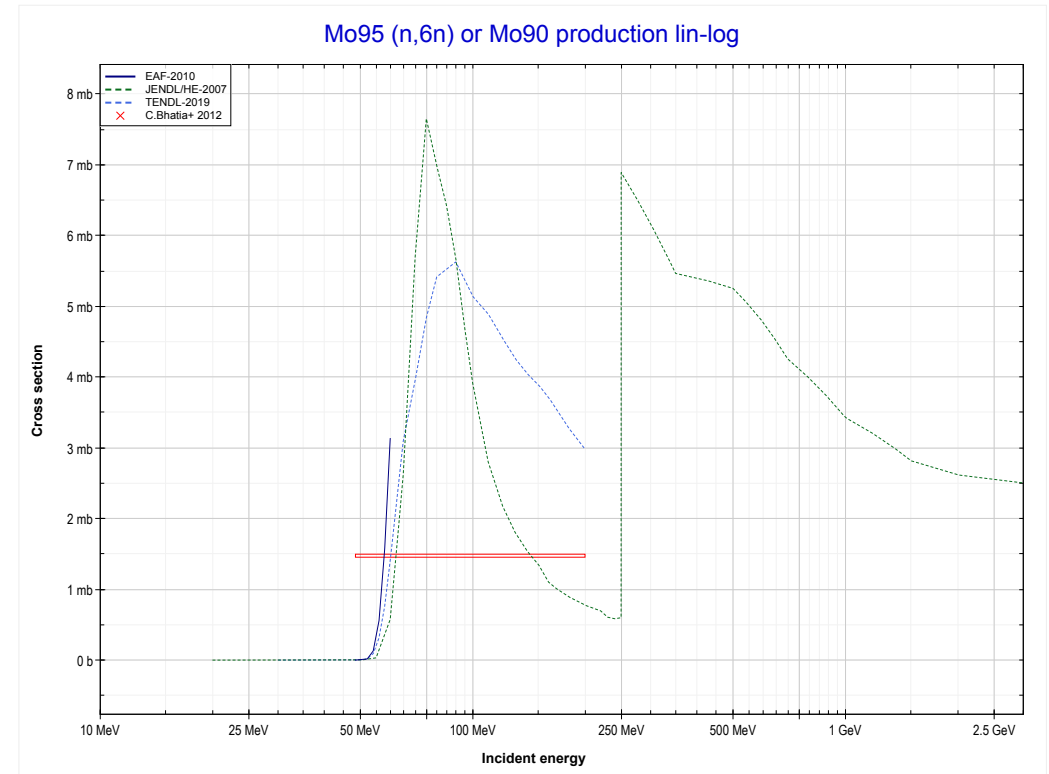
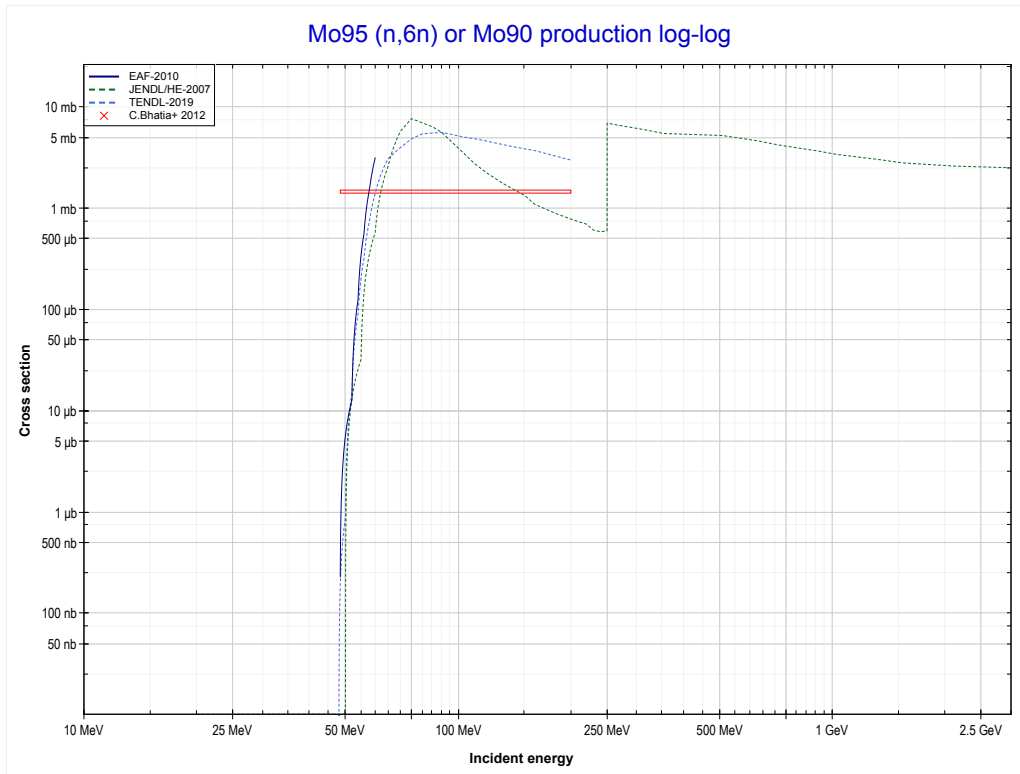
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.66564E-6 b | 0.003768 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.02485E-7 b | 0.00153809 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.95734E-7 b | 0.0016548 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.33161E-6 b | 0.0052961 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.08703E-7 b | 0.00191348 b |

| | | |
|----------------|---|-----------------|
| << 42-Mo-92 | 42-Mo-95 | 42-Mo-98 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Zr92 production) | MT153 (n,6n) >> |



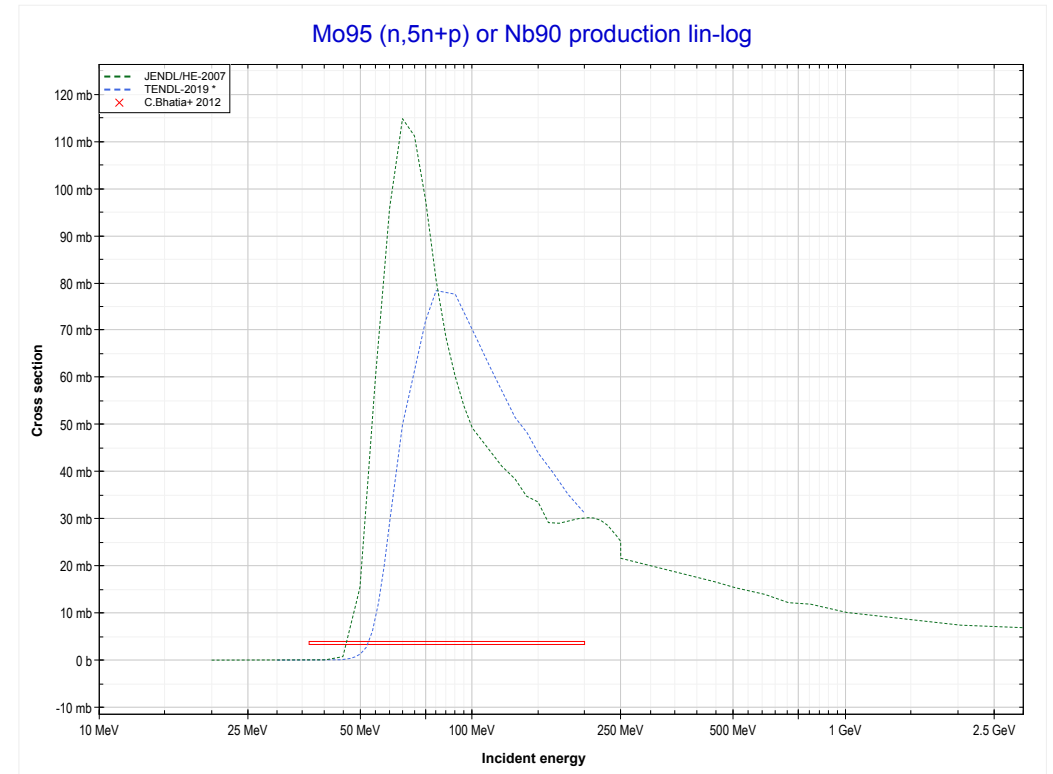
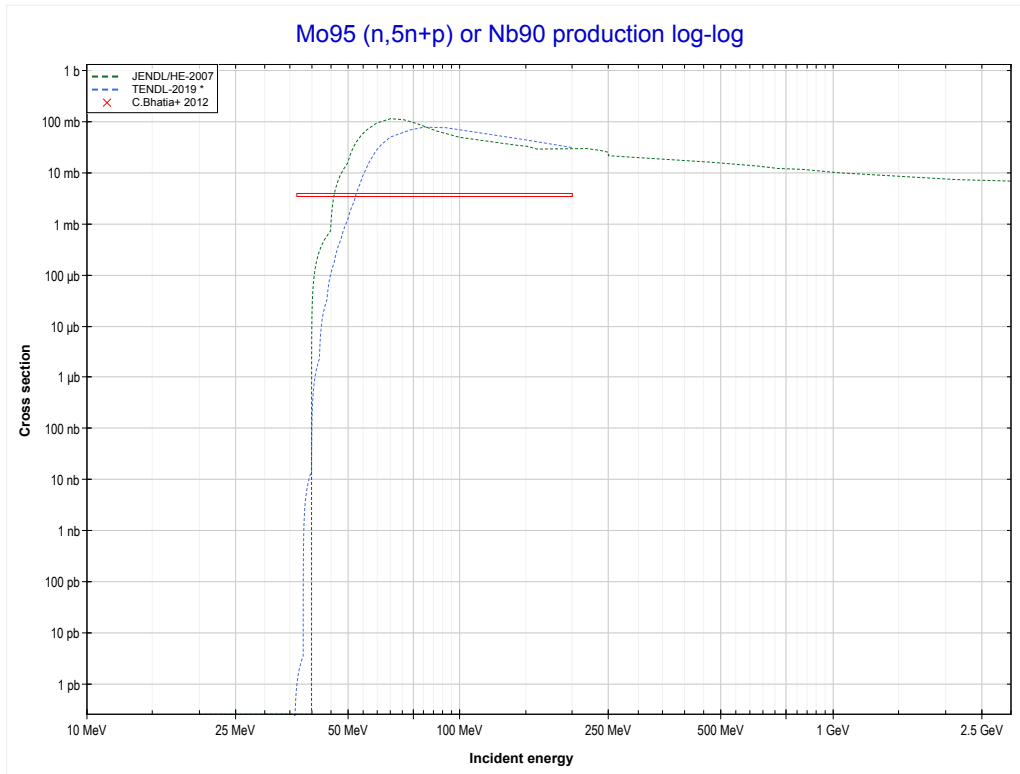
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3E-5 b | 2.99774E-5 b | 2.9928E-5 b | 0.99836 | 3.4691E-4 b | 1.44163E-4 b | 0.0127453 b |
| ENDF/B-VIII.0 | 1.70766E-4 b | 1.70766E-4 b | 1.7871E-4 b | 1.04652 | 0.00304164 b | 2.60605E-4 b | 0.0139885 b |
| JEFF-3.3 | 1.70766E-4 b | 1.70766E-4 b | 1.7871E-4 b | 1.04652 | 0.00304164 b | 2.60605E-4 b | 0.0139885 b |
| JENDL-4.0u | 3.07274E-5 b | 3.07274E-5 b | 3.0718E-5 b | 0.99968 | 3.33599E-4 b | 4.65528E-4 b | 0.01769 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00150123 b | 0.0133251 b |
| BROND-3.1 | 0 b | 0 b | 7.2941E-10 b | 0 | 7.46989E-4 b | 1.76791E-4 b | 0.014 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.59495E-4 b | 0.01416 b |
| TENDL-2019 | 2.99493E-5 b | 2.99493E-5 b | 2.992E-5 b | 0.99901 | 9.85001E-4 b | 3.03175E-4 b | 0.022203 b |

| | | |
|-------------------------|--|-------------------|
| | 42-Mo-95 | 73-Ta-181 >> |
| << MT107 (n, α) | MT153 (n,6n) or MT5 (Mo90 production) | MT162 (n,5n+p) >> |



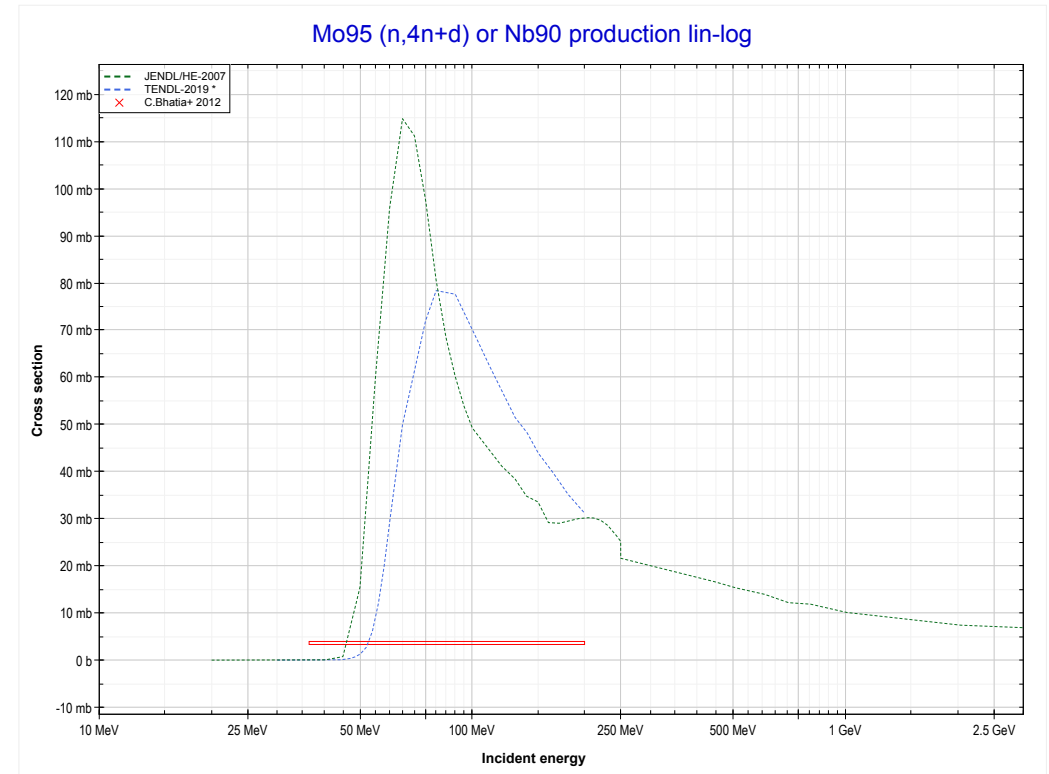
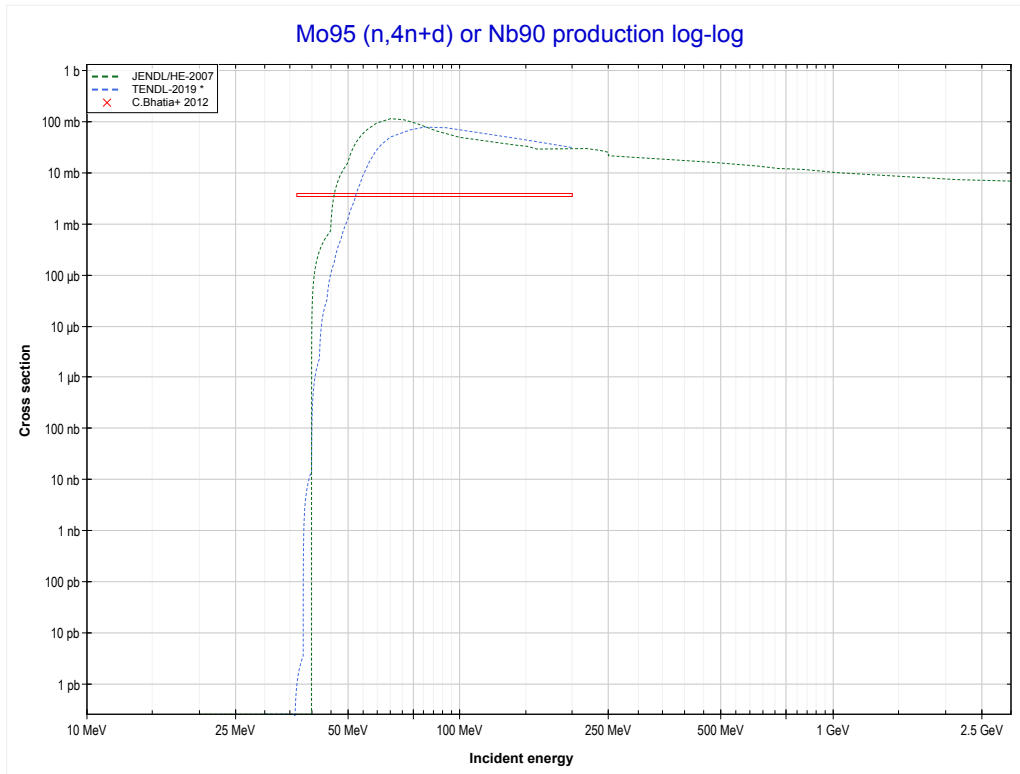
| | |
|----------------|---------------|
| Reaction | Q-Value |
| Mo95(n,6n)Mo90 | -47895.45 keV |

| | | |
|-----------------|--|-------------------|
| | 42-Mo-95 | |
| << MT153 (n,6n) | MT162 (n,5n+p) or MT5 (Nb90 production) | MT169 (n,4n+d) >> |



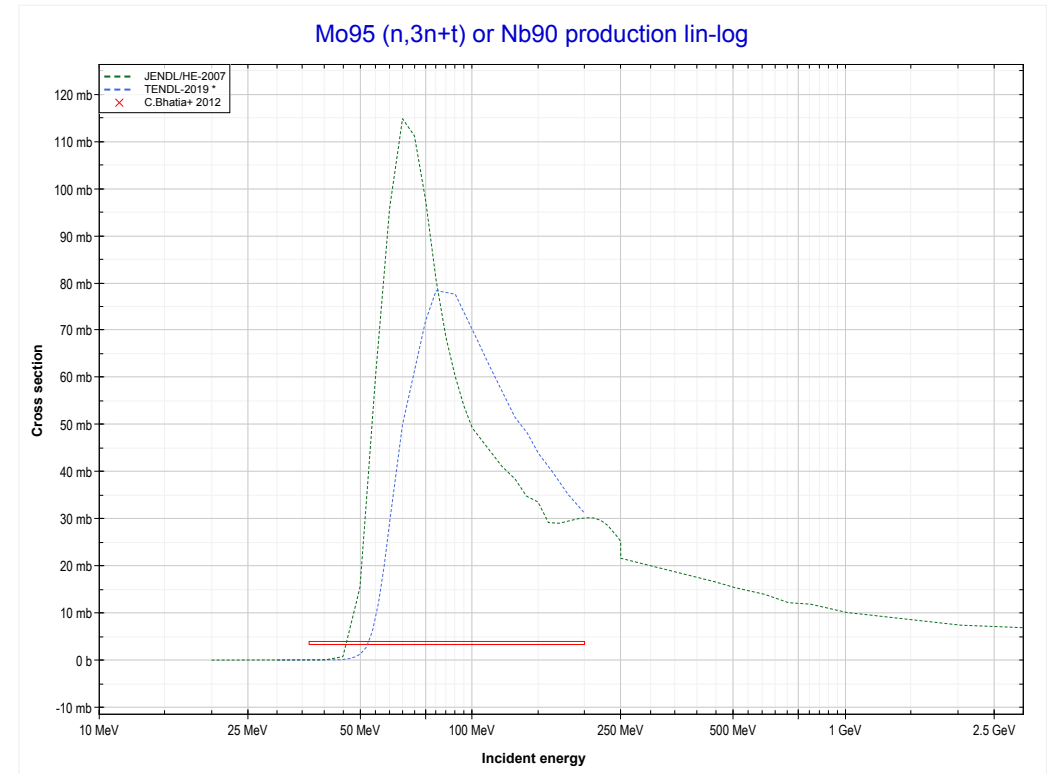
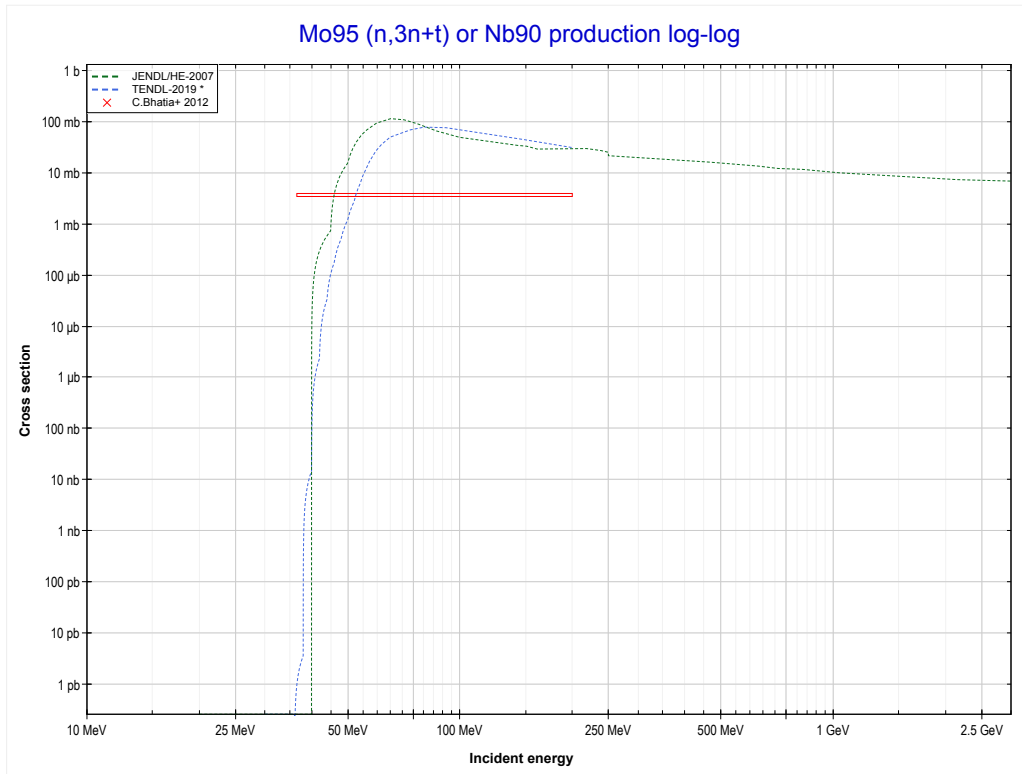
| Reaction | Q-Value |
|------------------|---------------|
| Mo95(n,3n+t)Nb90 | -36142.30 keV |
| Mo95(n,4n+d)Nb90 | -42399.53 keV |
| Mo95(n,5n+p)Nb90 | -44624.10 keV |

| | | |
|-------------------|--|-------------------|
| | 42-Mo-95 | |
| << MT162 (n,5n+p) | MT169 (n,4n+d) or MT5 (Nb90 production) | MT172 (n,3n+t) >> |



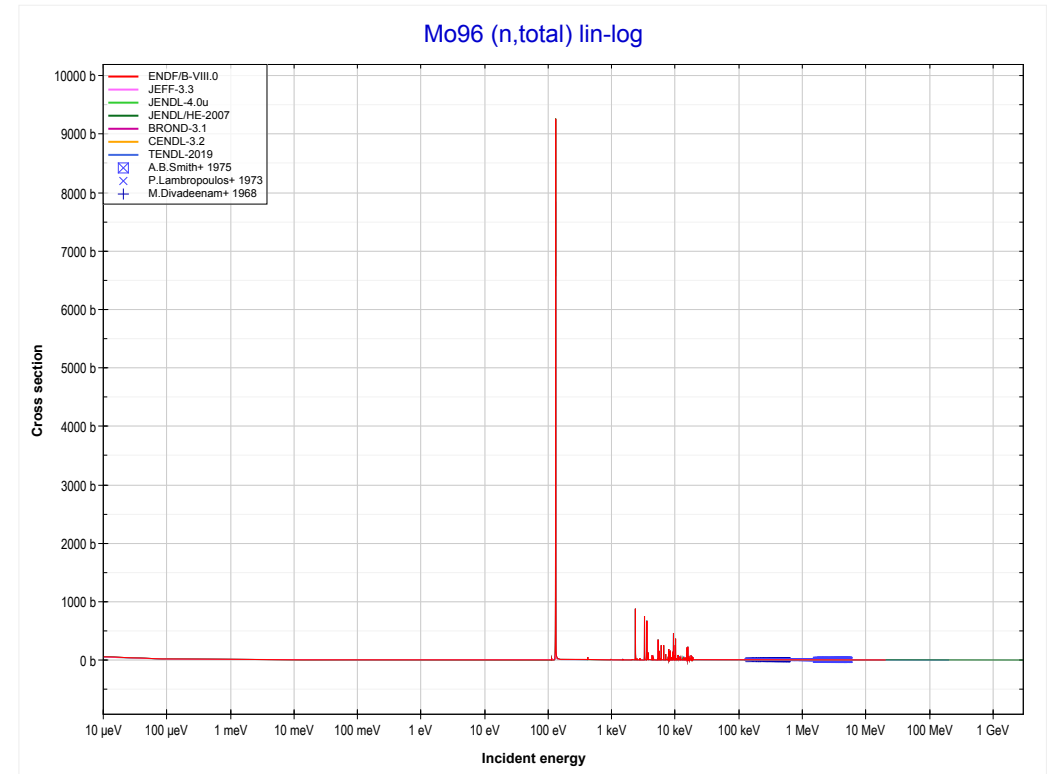
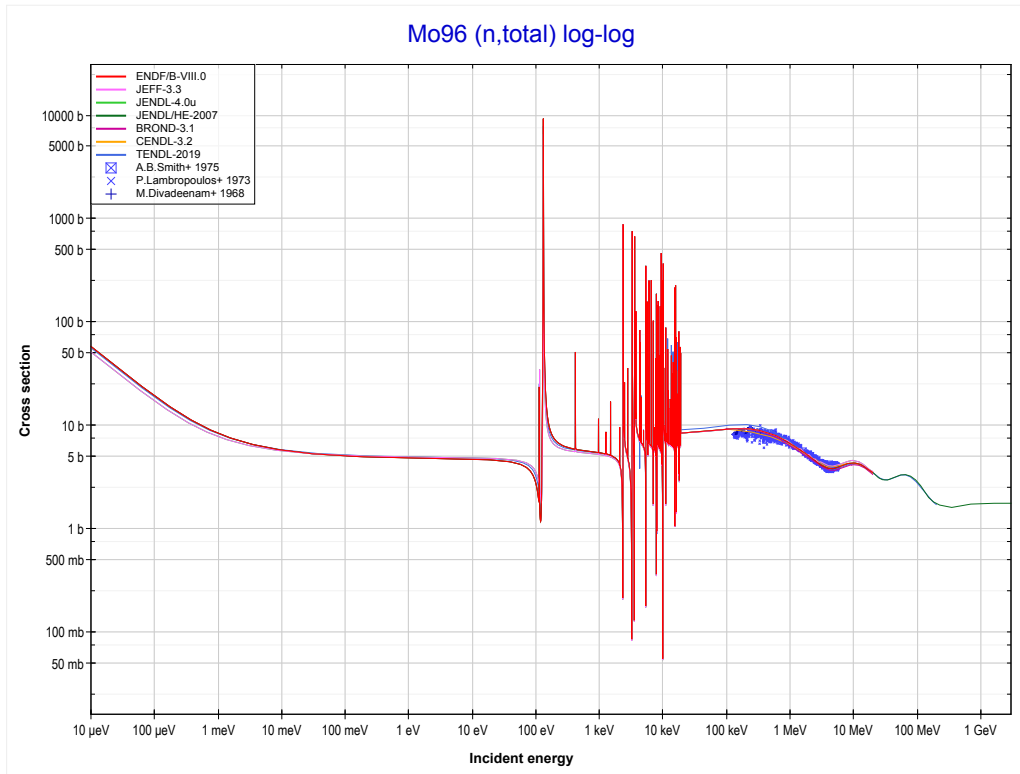
| Reaction | Q-Value |
|------------------|---------------|
| Mo95(n,3n+t)Nb90 | -36142.30 keV |
| Mo95(n,4n+d)Nb90 | -42399.53 keV |
| Mo95(n,5n+p)Nb90 | -44624.10 keV |

| | | |
|-------------------|--|---------------------------|
| | 42-Mo-95 | |
| << MT169 (n,4n+d) | MT172 (n,3n+t) or MT5 (Nb90 production) | 42-Mo-96 MT1 (n,total) >> |



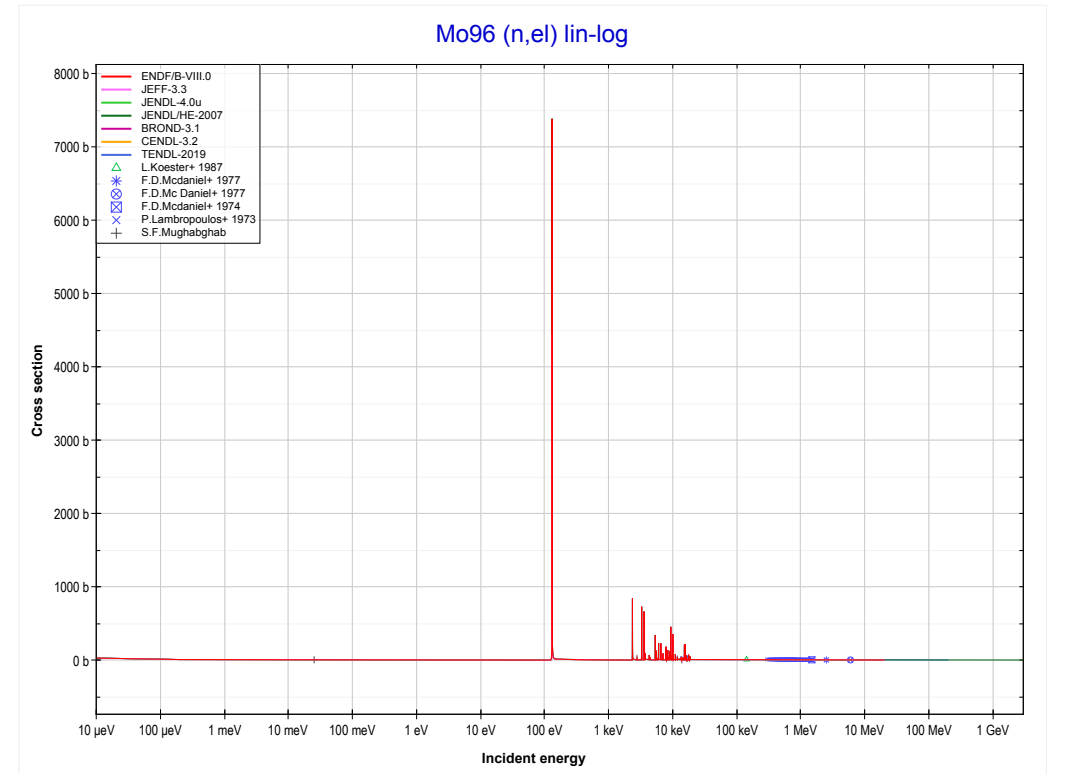
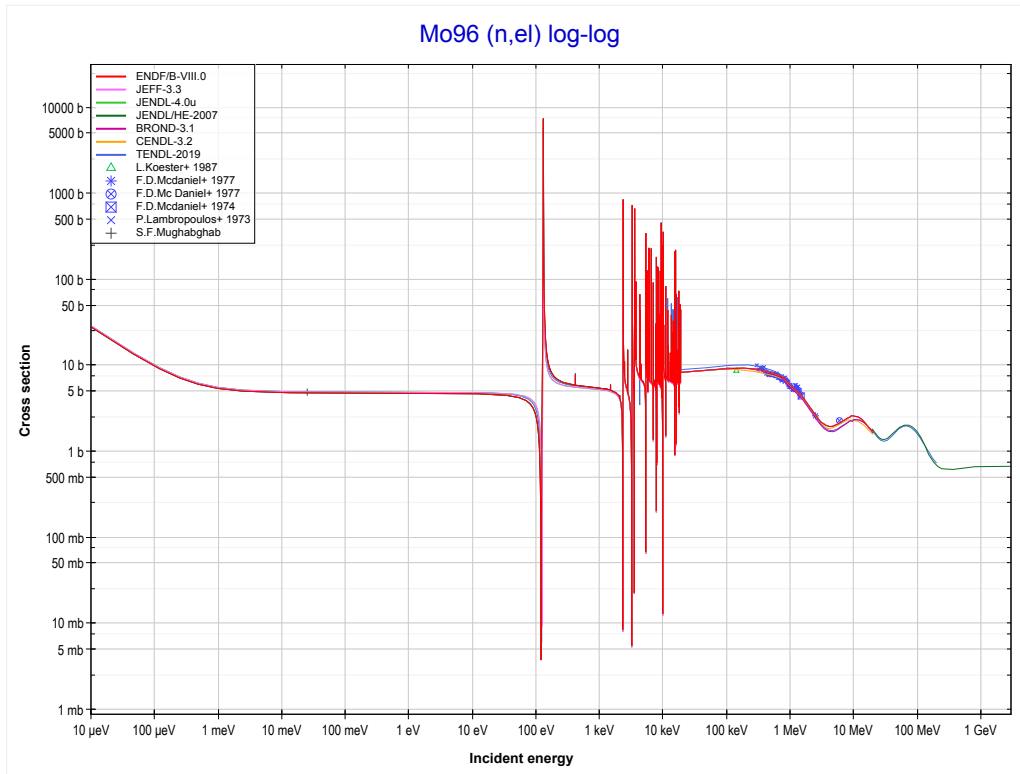
| Reaction | Q-Value |
|------------------|---------------|
| Mo95(n,3n+t)Nb90 | -36142.30 keV |
| Mo95(n,4n+d)Nb90 | -42399.53 keV |
| Mo95(n,5n+p)Nb90 | -44624.10 keV |

| | | |
|----------------------------|----------------------|--------------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-98 >> |
| << 42-Mo-95 MT172 (n,3n+t) | MT1 (n,total) | MT2 (n,elastic) >> |



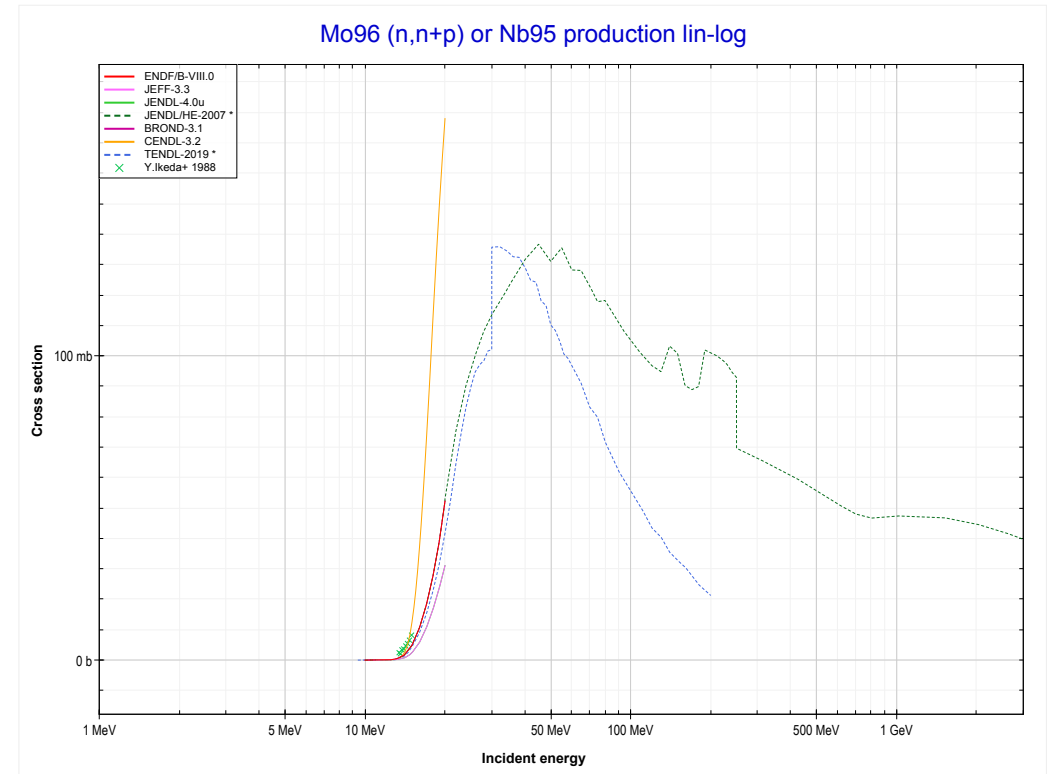
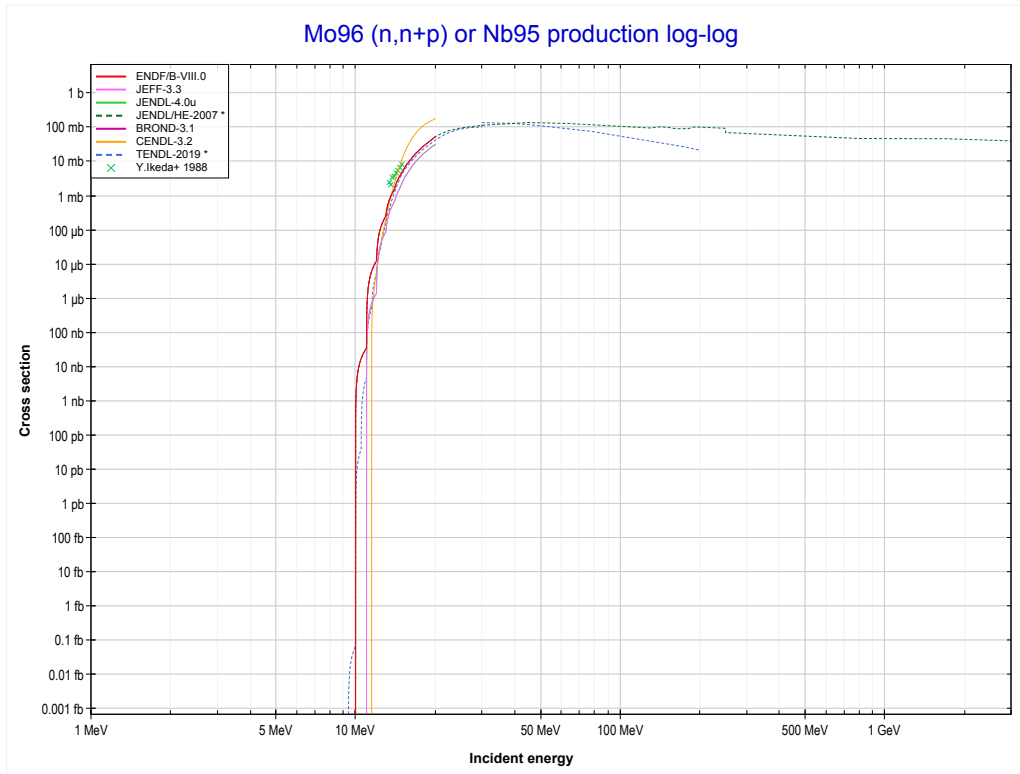
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.34732 b | 5.34732 b | 5.9575 b | 1.1141 | 162.13 b | 5.88786 b | 4.07231 b |
| JEFF-3.3 | 5.33109 b | 5.33109 b | 5.9582 b | 1.11763 | 132.753 b | 5.97887 b | 4.21314 b |
| JENDL-4.0u | 5.33109 b | 5.33109 b | 5.9582 b | 1.11763 | 132.753 b | 5.97887 b | 4.21314 b |
| JENDL/HE-2007 | 5.34716 b | 5.34716 b | 5.9574 b | 1.11413 | 162.103 b | 5.89002 b | 4.07231 b |
| BROND-3.1 | 5.34732 b | 5.34732 b | 5.9575 b | 1.1141 | 162.13 b | 5.68123 b | 3.9533 b |
| CENDL-3.2 | 5.34716 b | 5.34716 b | 5.9574 b | 1.11413 | 162.103 b | 5.76985 b | 3.99164 b |
| TENDL-2019 | 5.42469 b | 5.42469 b | 6.0514 b | 1.11553 | 147.044 b | 6.04807 b | 4.06129 b |

| | | |
|------------------|------------------------|-----------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-97 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



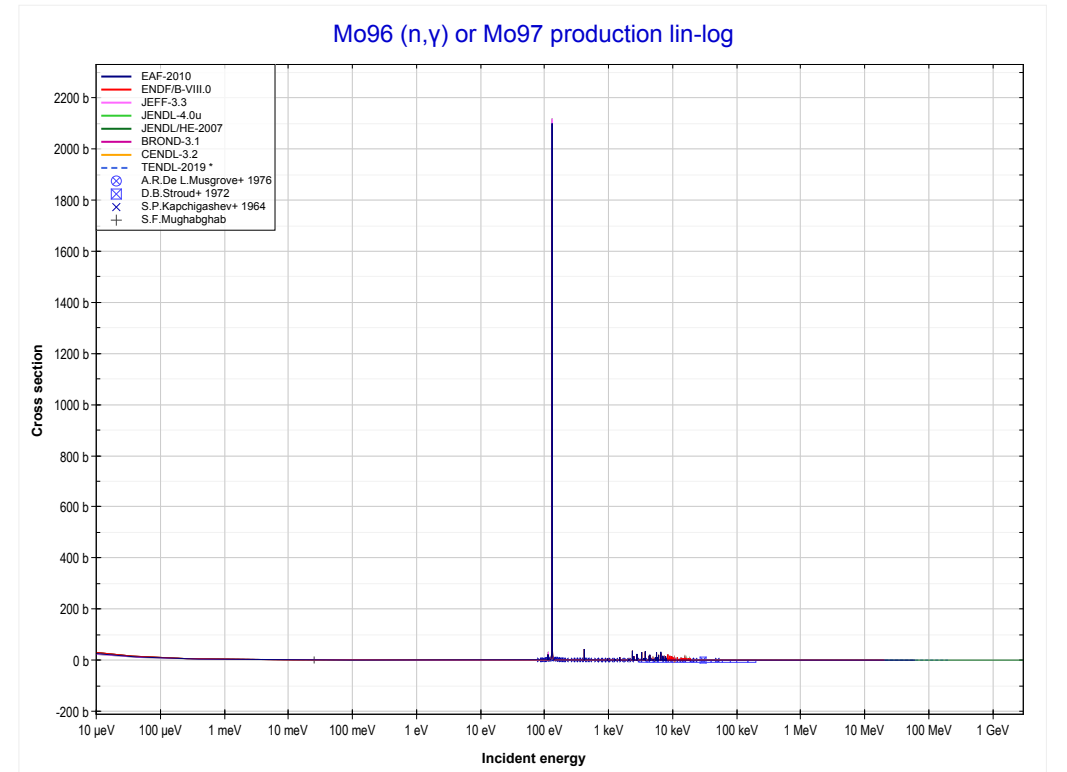
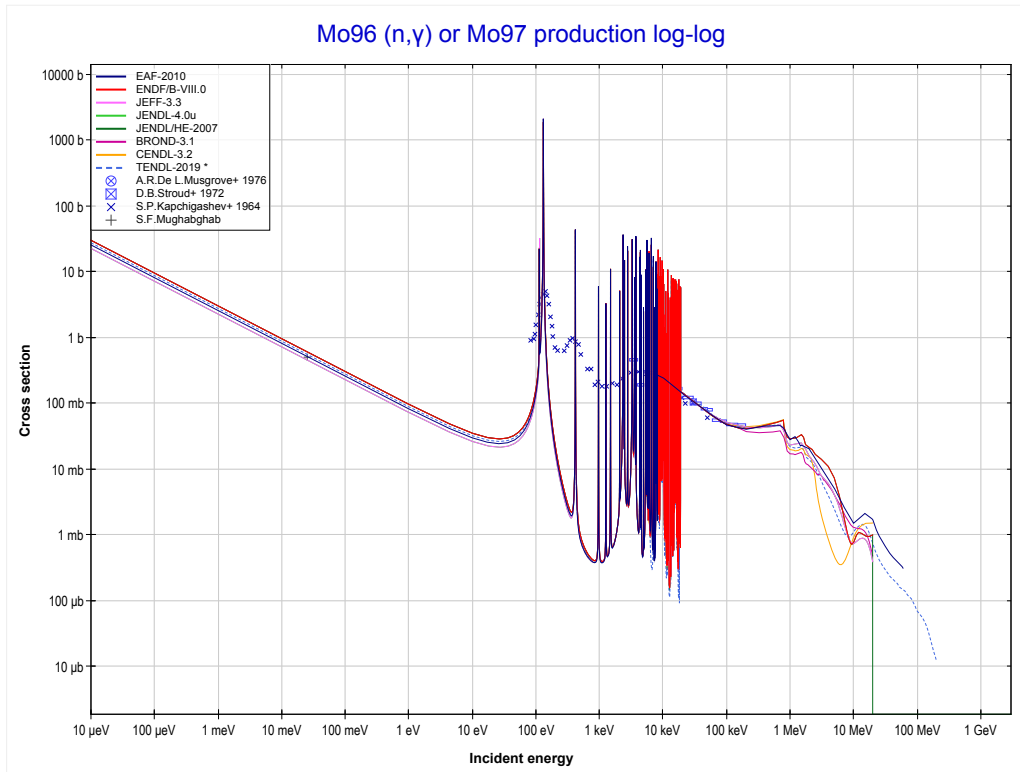
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.75176 b | 4.75176 b | 5.3616 b | 1.12833 | 144.726 b | 4.74243 b | 2.29295 b |
| JEFF-3.3 | 4.88406 b | 4.88406 b | 5.5109 b | 1.12835 | 115.357 b | 4.74326 b | 2.29295 b |
| JENDL-4.0u | 4.88406 b | 4.88406 b | 5.5109 b | 1.12835 | 115.357 b | 4.74326 b | 2.29295 b |
| JENDL/HE-2007 | 4.75176 b | 4.75176 b | 5.3619 b | 1.1284 | 144.697 b | 4.74354 b | 2.29295 b |
| BROND-3.1 | 4.75176 b | 4.75176 b | 5.3616 b | 1.12833 | 144.726 b | 4.50072 b | 2.19547 b |
| CENDL-3.2 | 4.75176 b | 4.75176 b | 5.3619 b | 1.1284 | 144.697 b | 4.55097 b | 2.04301 b |
| TENDL-2019 | 4.87944 b | 4.87944 b | 5.506 b | 1.12841 | 128.896 b | 4.81267 b | 2.20467 b |

| | | |
|--------------------|--|-------------------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-97 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Nb95 production) | MT102 (n, γ) >> |



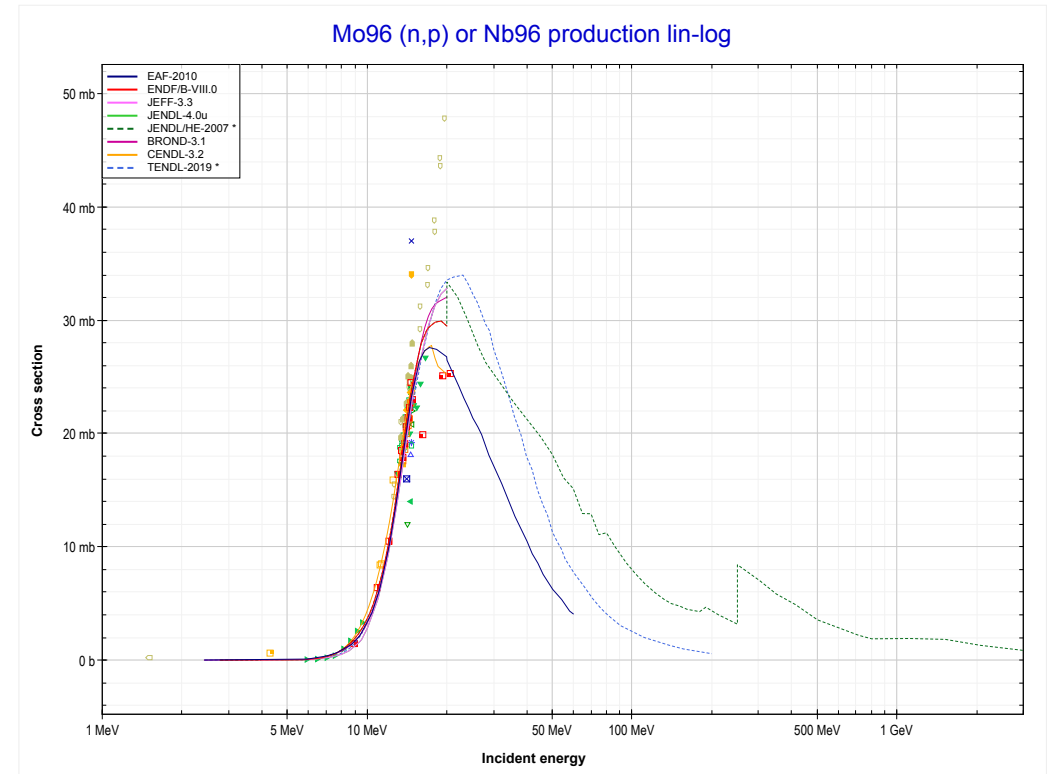
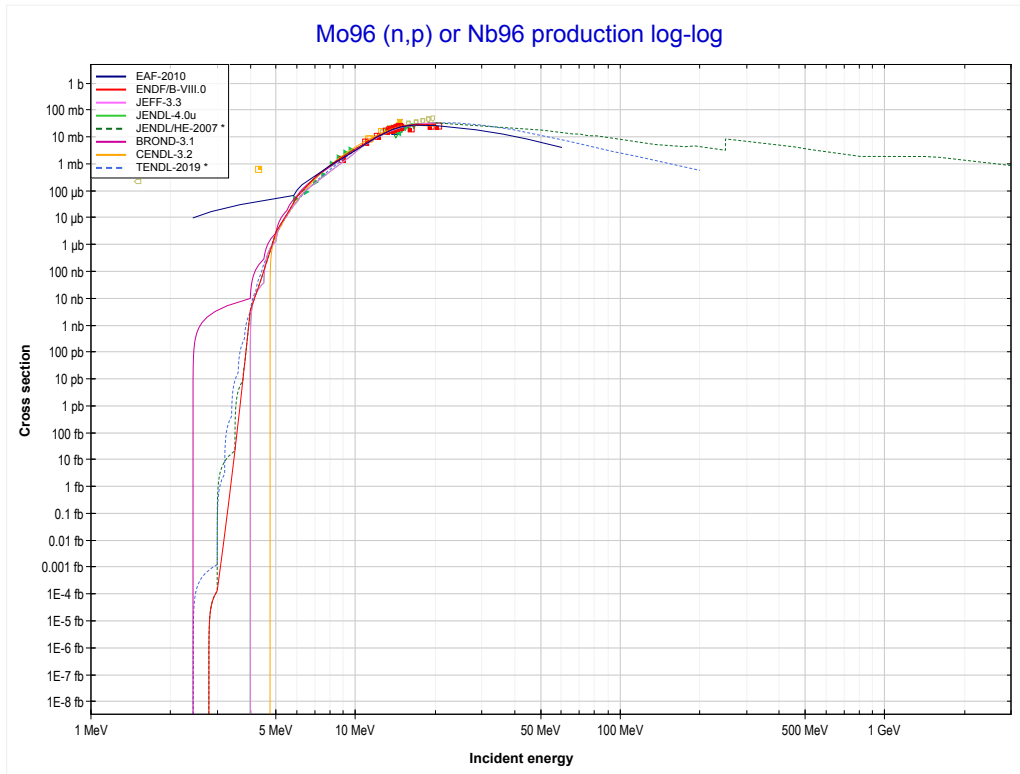
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07305E-6 b | 0.00147212 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.65376E-7 b | 6.341E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.65376E-7 b | 6.341E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07287E-6 b | 0.00147212 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07312E-6 b | 0.00147212 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20054E-6 b | 0.00214508 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.59376E-7 b | 0.00115237 b |

| | | |
|-----------------|---|----------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-97 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mo97 production) | MT103 (n,p) >> |



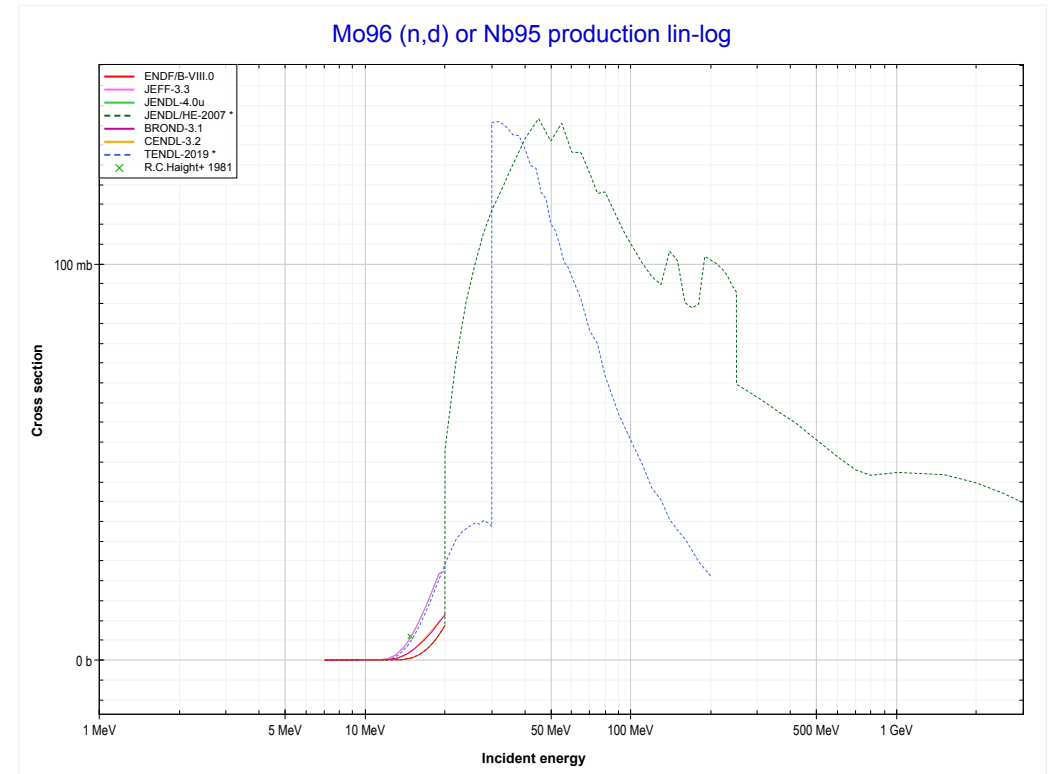
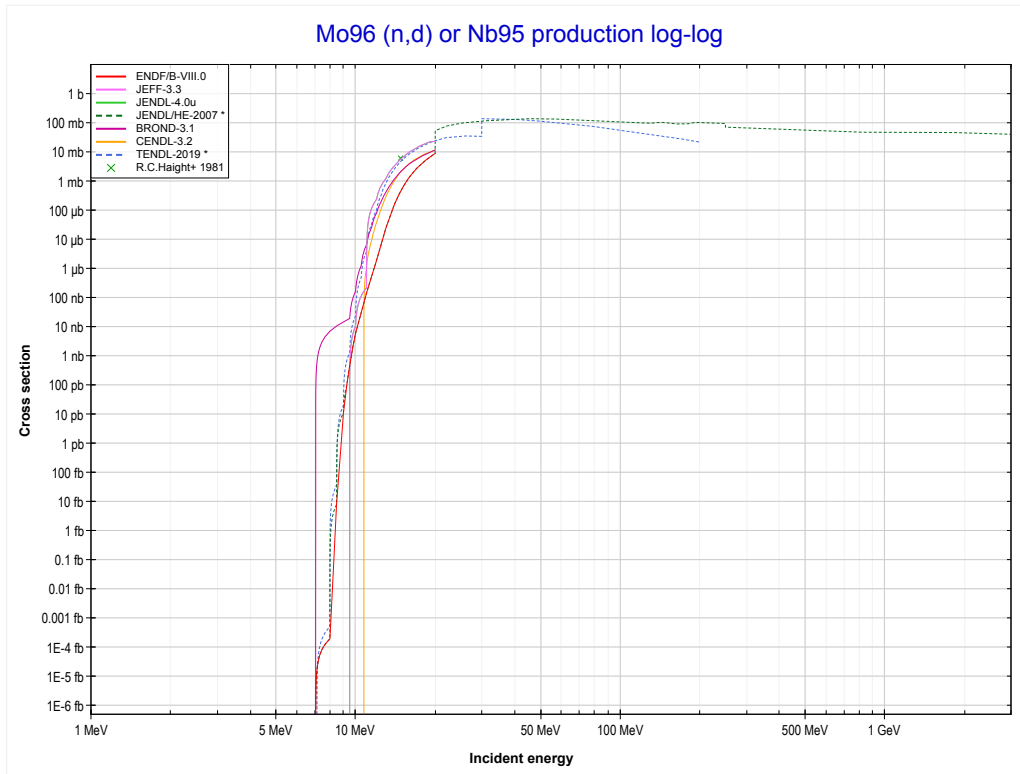
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.506439 b | 0.50606 b | 0.50607 b | 1.00003 | 17.8327 b | 0.0250032 b | 0.00198347 b |
| ENDF/B-VIII.0 | 0.595566 b | 0.595566 b | 0.59591 b | 1.00057 | 17.4038 b | 0.0277181 b | 0.00100631 b |
| JEFF-3.3 | 0.447031 b | 0.447031 b | 0.44728 b | 1.00057 | 17.3962 b | 0.0229943 b | 8.846E-4 b |
| JENDL-4.0u | 0.447031 b | 0.447031 b | 0.44728 b | 1.00057 | 17.3962 b | 0.0229943 b | 8.846E-4 b |
| JENDL/HE-2007 | 0.5954 b | 0.5954 b | 0.59555 b | 1.00025 | 17.3972 b | 0.0277188 b | 0.00100631 b |
| BROND-3.1 | 0.595566 b | 0.595566 b | 0.59591 b | 1.00057 | 17.4037 b | 0.0183376 b | 0.0011877 b |
| CENDL-3.2 | 0.5954 b | 0.5954 b | 0.59555 b | 1.00025 | 17.3972 b | 0.02124 b | 0.00141743 b |
| TENDL-2019 | 0.545245 b | 0.545245 b | 0.54537 b | 1.00023 | 18.1293 b | 0.0215623 b | 0.00143875 b |

| | | |
|-------------------------|---|----------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-97 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb96 production) | MT104 (n,d) >> |



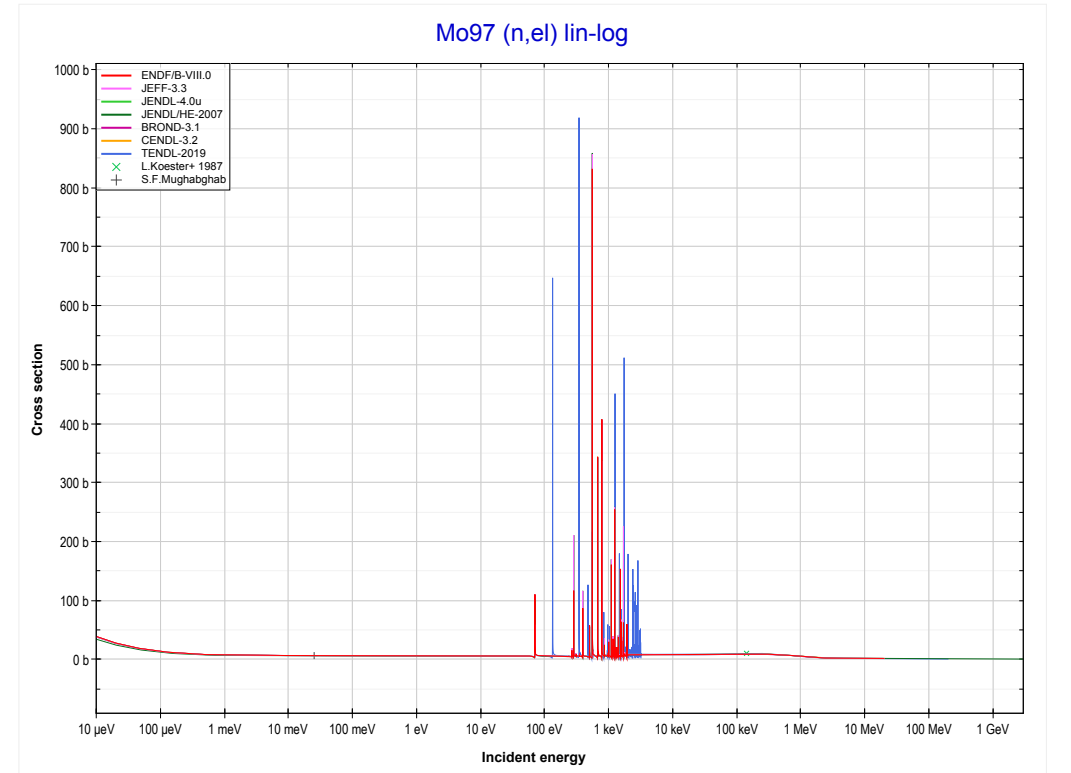
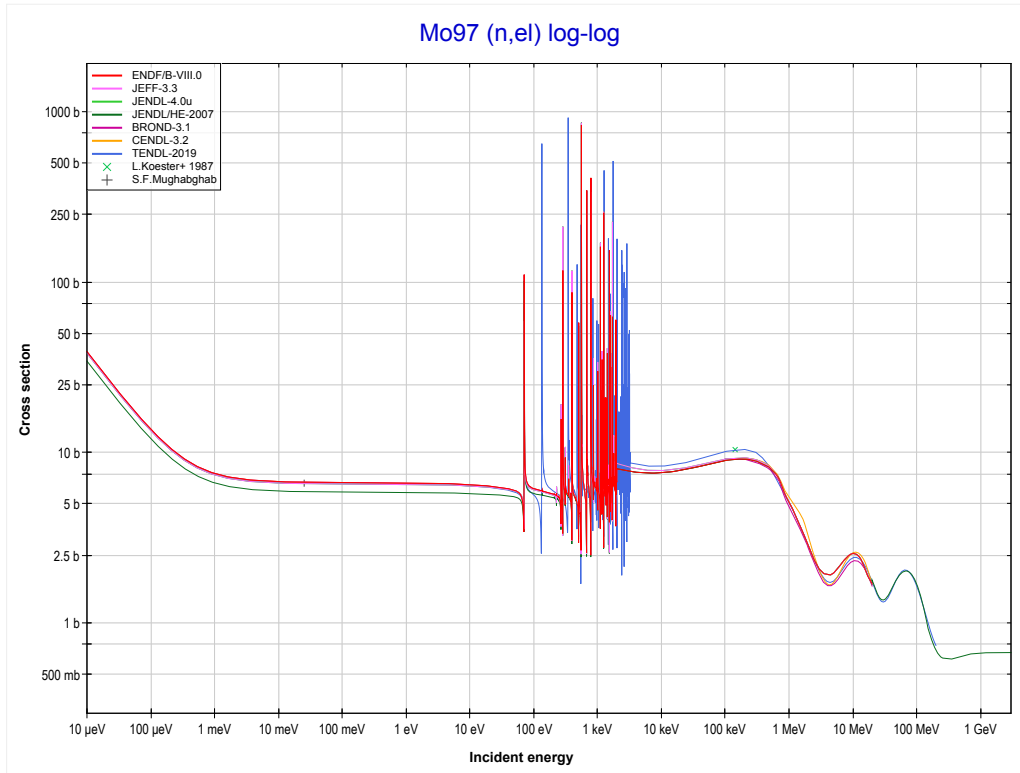
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.88999E-5 b | 0.0198296 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.3599E-5 b | 0.0206494 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.60121E-5 b | 0.01902 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.60121E-5 b | 0.01902 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35922E-5 b | 0.0206494 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17133E-5 b | 0.019742 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.61595E-5 b | 0.0213532 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85916E-5 b | 0.0192099 b |

| | | |
|----------------|---|-----------------------------|
| << 42-Mo-95 | 42-Mo-96 | 42-Mo-97 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb95 production) | 42-Mo-97 MT2 (n,elastic) >> |



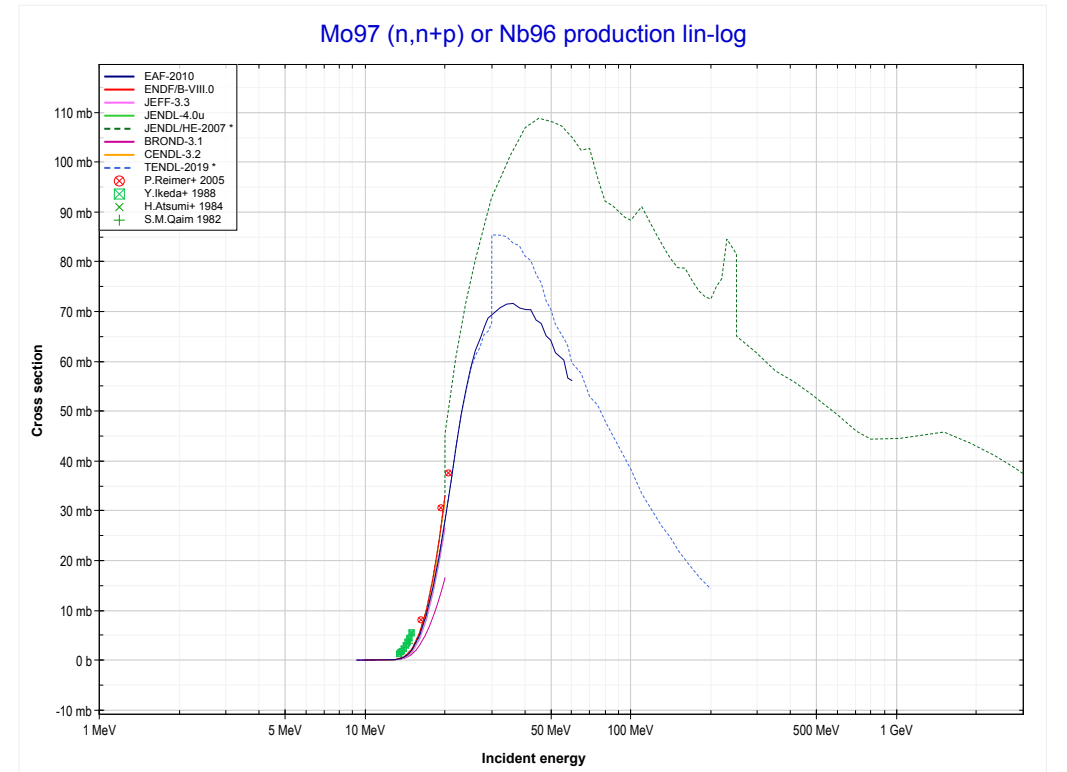
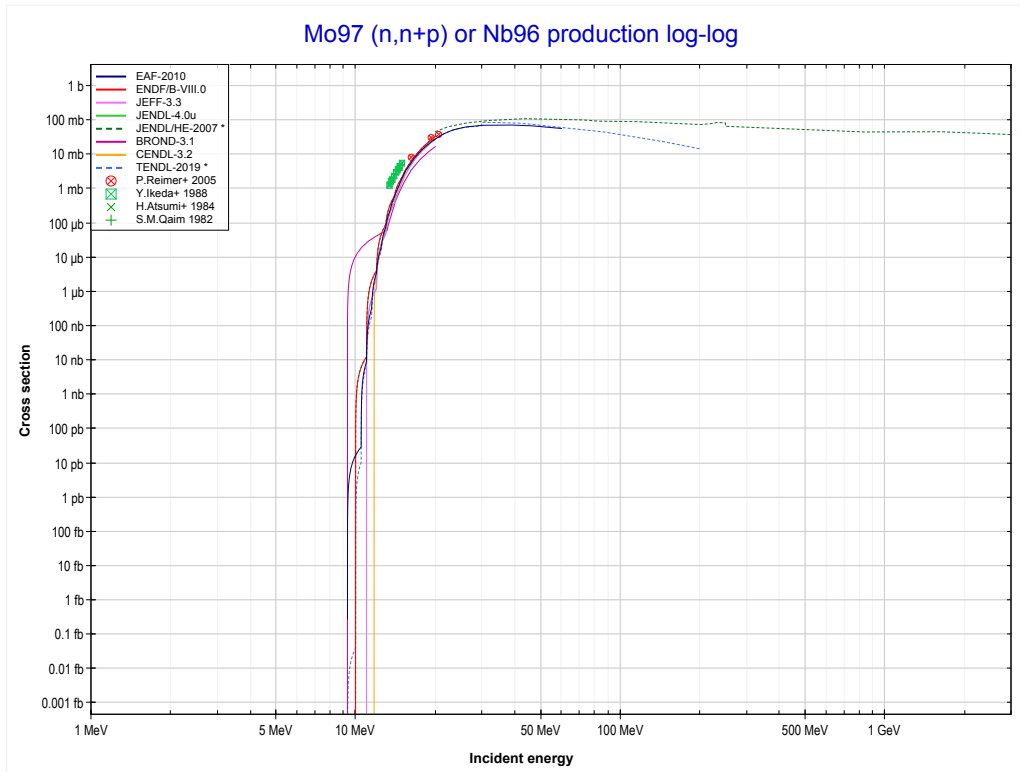
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36634E-7 b | 1.50773E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35151E-6 b | 0.003189 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.35151E-6 b | 0.003189 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3658E-7 b | 1.50773E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99233E-7 b | 0.0011325 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5336E-7 b | 9.94622E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05868E-6 b | 0.00252061 b |

| | | |
|-------------------------|------------------------|-----------------|
| << 42-Mo-96 | 42-Mo-97 | 42-Mo-98 >> |
| << 42-Mo-96 MT104 (n,d) | MT2 (n,elastic) | MT28 (n,n+p) >> |



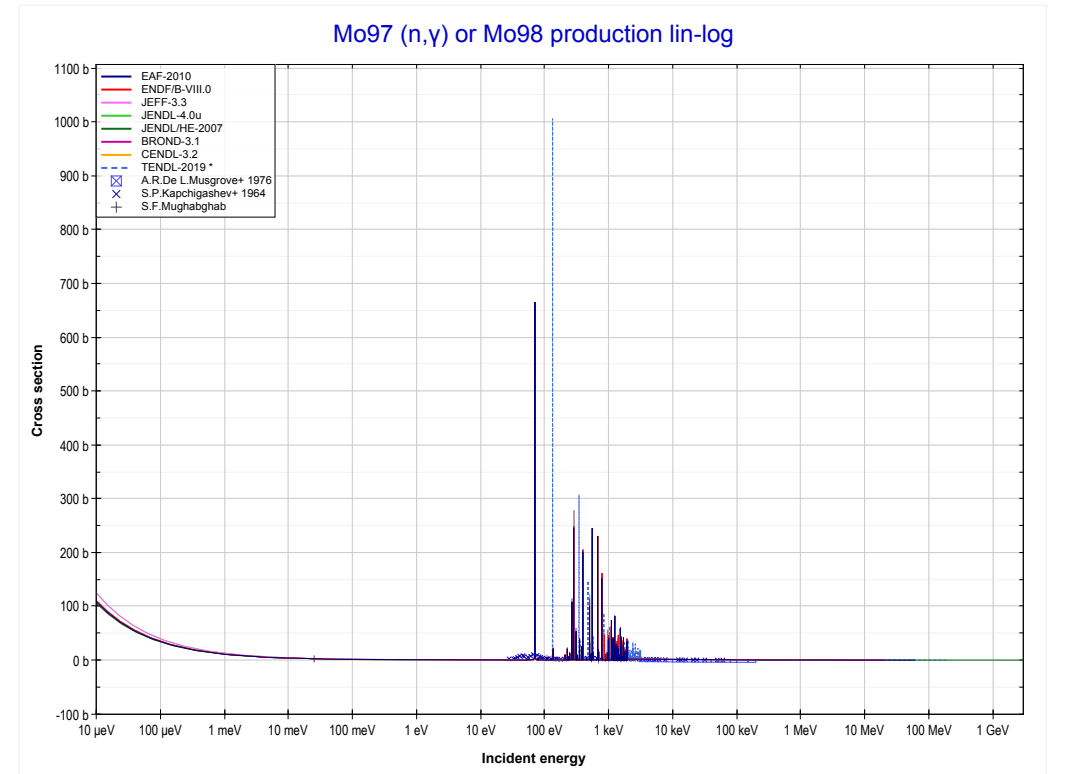
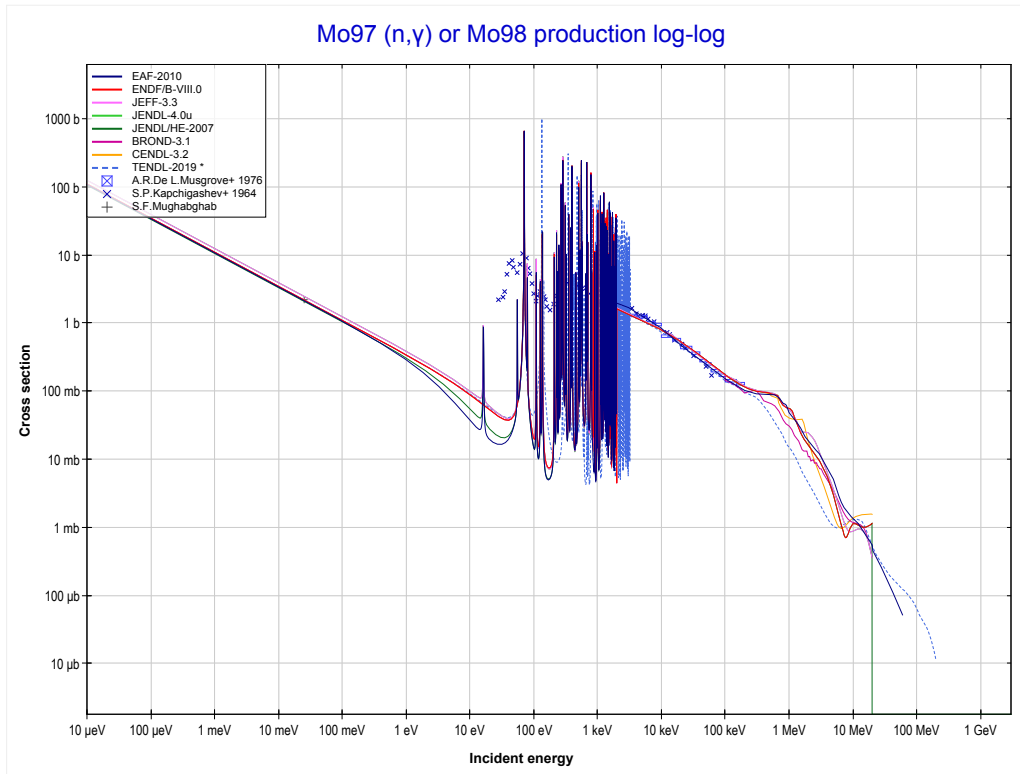
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.68782 b | 6.68782 b | 7.5458 b | 1.12829 | 91.9677 b | 4.34515 b | 2.28571 b |
| JEFF-3.3 | 6.55579 b | 6.55579 b | 7.3969 b | 1.1283 | 92.776 b | 4.36647 b | 2.28571 b |
| JENDL-4.0u | 6.55579 b | 6.55579 b | 7.3969 b | 1.1283 | 92.776 b | 4.36647 b | 2.28571 b |
| JENDL/HE-2007 | 5.88707 b | 5.88707 b | 6.6427 b | 1.12836 | 88.5248 b | 4.34603 b | 2.28571 b |
| BROND-3.1 | 6.68782 b | 6.68782 b | 7.5458 b | 1.12829 | 91.9677 b | 4.16182 b | 2.1914 b |
| CENDL-3.2 | 6.68782 b | 6.68782 b | 7.5462 b | 1.12836 | 91.9793 b | 4.55273 b | 2.44097 b |
| TENDL-2019 | 6.5746 b | 6.5746 b | 7.4185 b | 1.12836 | 99.8763 b | 4.3847 b | 2.29469 b |

| | | |
|--------------------|--|-------------------------|
| << 42-Mo-96 | 42-Mo-97 | 42-Mo-98 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Nb96 production) | MT102 (n, γ) >> |



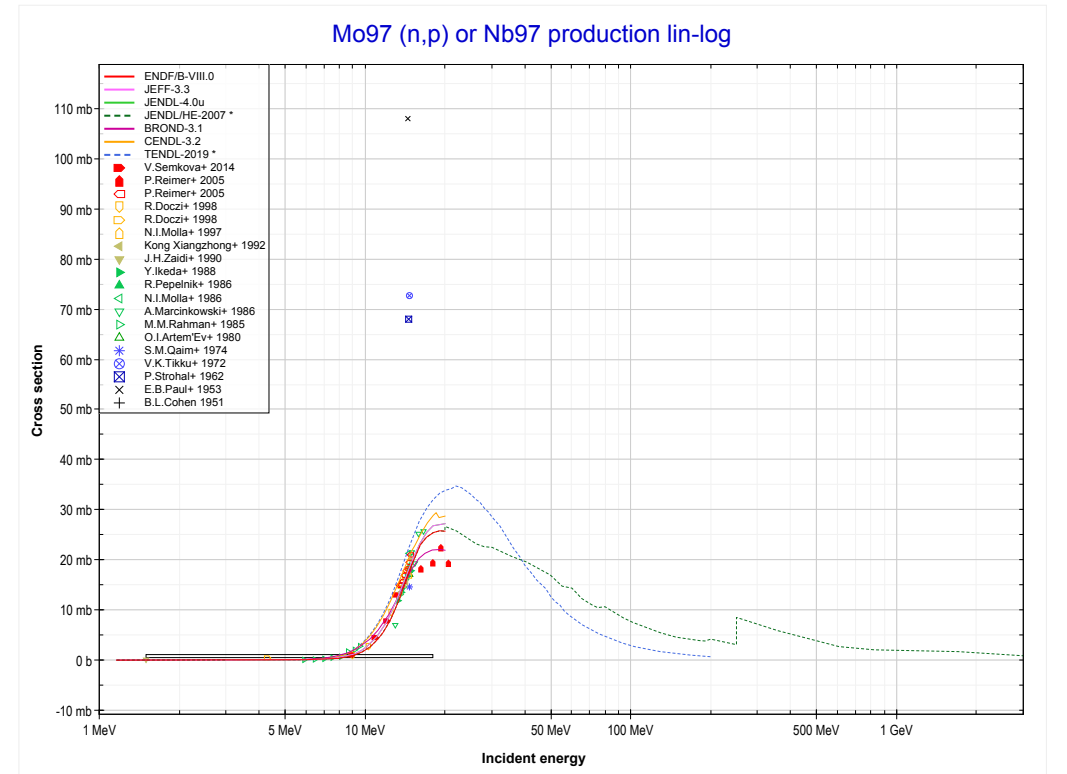
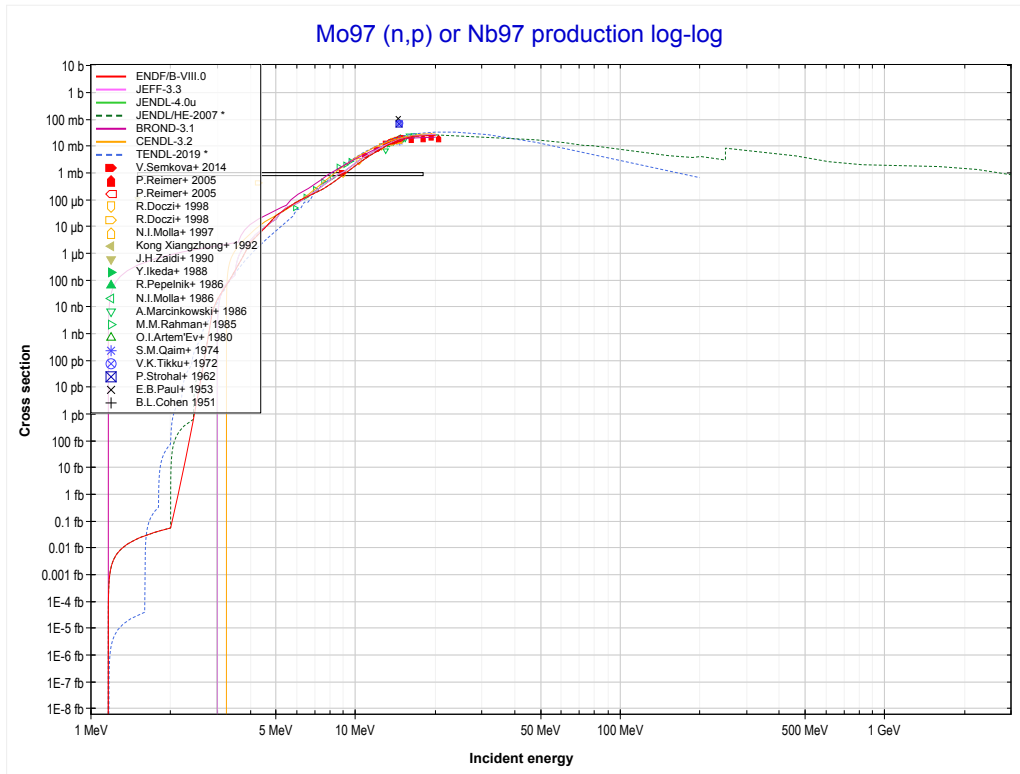
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.49454E-7 b | 5.84416E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11371E-7 b | 3.661E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.11371E-7 b | 3.661E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.49258E-7 b | 5.84416E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.28089E-7 b | 3.22262E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.97656E-7 b | 5.4169E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.67477E-7 b | 4.68384E-4 b |

| | | |
|-----------------|---|----------------|
| << 42-Mo-96 | 42-Mo-97 | 42-Mo-98 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mo98 production) | MT103 (n,p) >> |



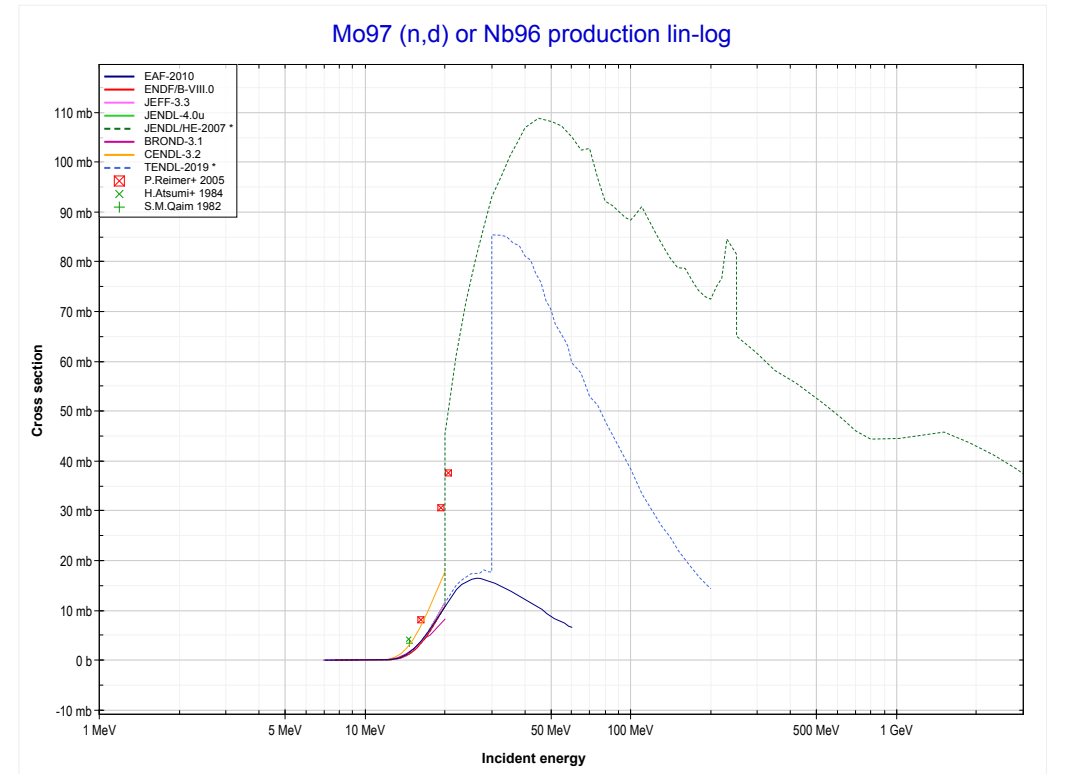
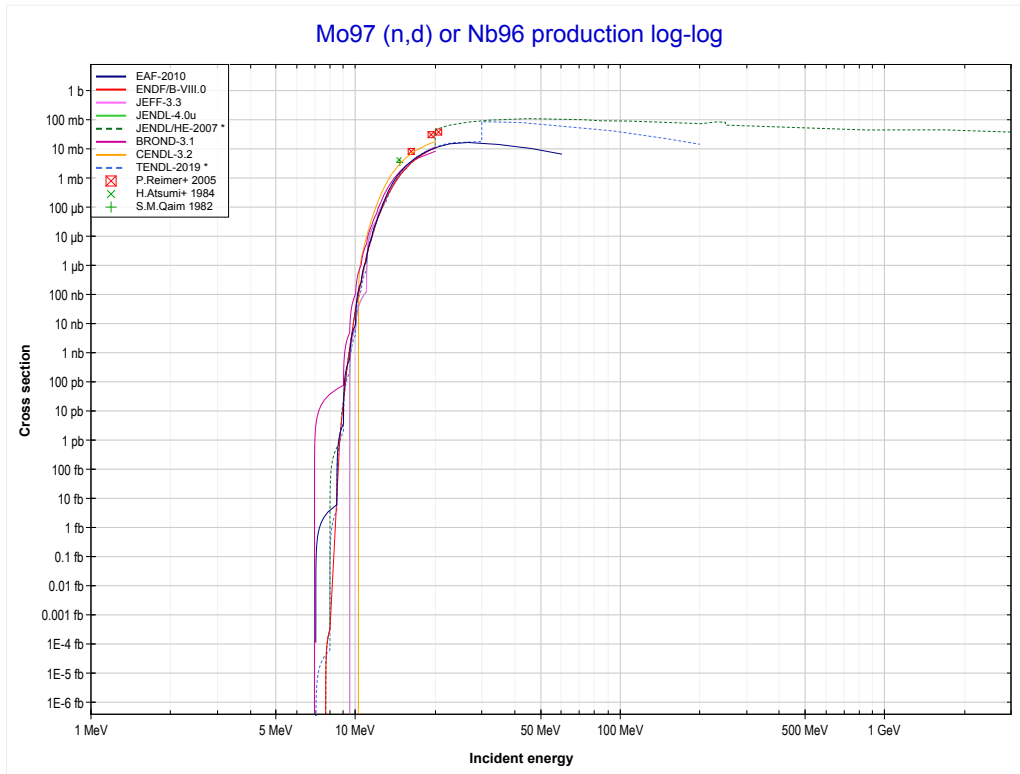
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.14308 b | 2.14146 b | 2.1364 b | 0.99761 | 17.0311 b | 0.0422087 b | 9.20071E-4 b |
| ENDF/B-VIII.0 | 2.19665 b | 2.19665 b | 2.1969 b | 1.00011 | 17.2365 b | 0.0426383 b | 0.00100104 b |
| JEFF-3.3 | 2.48788 b | 2.48788 b | 2.4881 b | 1.0001 | 16.3196 b | 0.0453996 b | 9.014E-4 b |
| JENDL-4.0u | 2.48788 b | 2.48788 b | 2.4881 b | 1.0001 | 16.3196 b | 0.0453996 b | 9.014E-4 b |
| JENDL/HE-2007 | 2.09991 b | 2.09991 b | 2.0977 b | 0.99894 | 16.8539 b | 0.0426379 b | 0.00100104 b |
| BROND-3.1 | 2.19665 b | 2.19665 b | 2.1969 b | 1.00011 | 17.2365 b | 0.0318658 b | 0.0010389 b |
| CENDL-3.2 | 2.19623 b | 2.19623 b | 2.1957 b | 0.99974 | 17.2285 b | 0.0409222 b | 0.0015288 b |
| TENDL-2019 | 2.19224 b | 2.19224 b | 2.1917 b | 0.99977 | 19.9449 b | 0.0216585 b | 0.00120784 b |

| | | |
|-------------------------|---|----------------|
| << 42-Mo-96 | 42-Mo-97 | 42-Mo-98 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb97 production) | MT104 (n,d) >> |



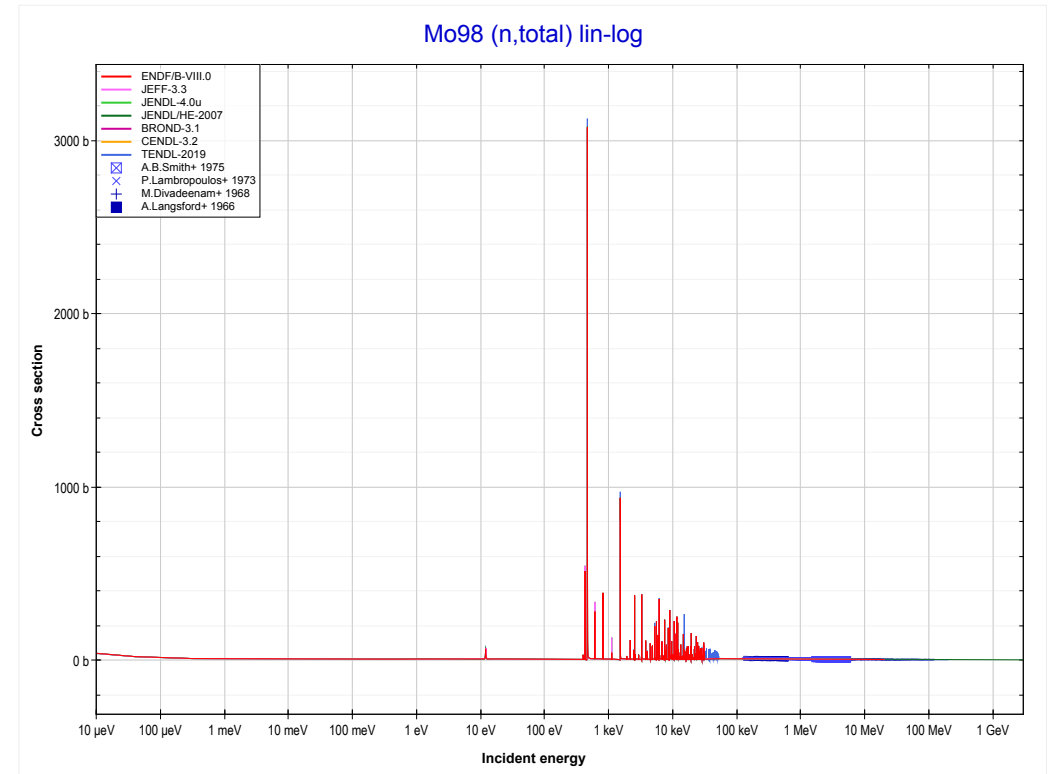
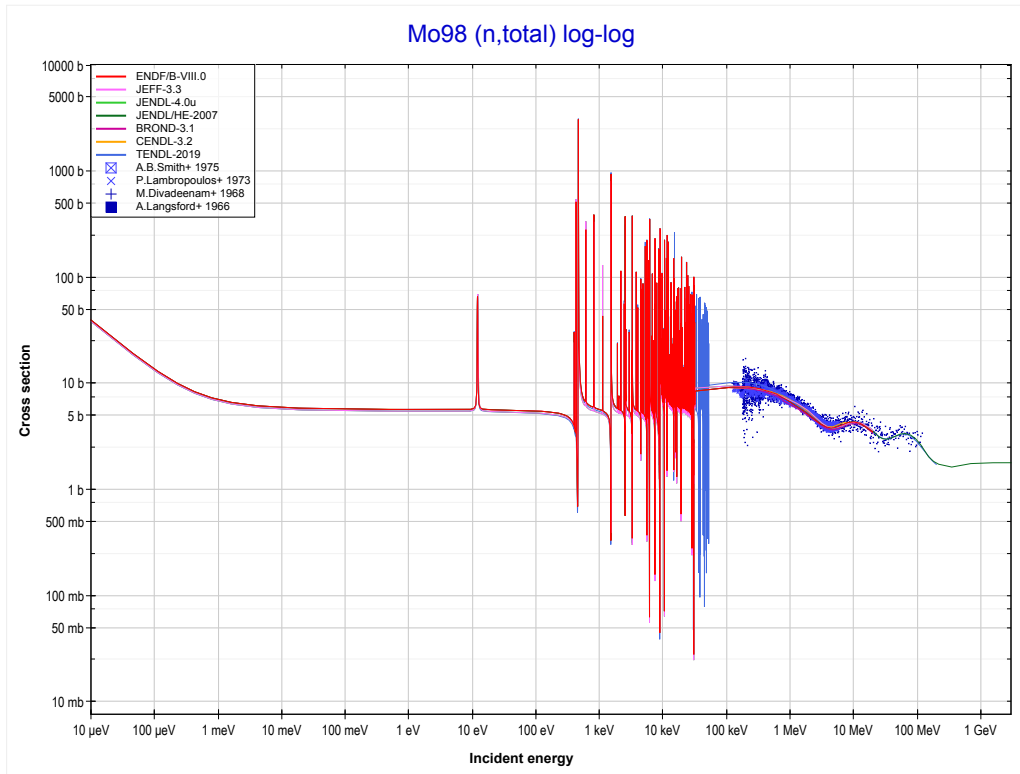
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12632E-5 b | 0.014797 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.50122E-5 b | 0.0156 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.50122E-5 b | 0.0156 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12585E-5 b | 0.014797 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.65006E-5 b | 0.0150019 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35701E-5 b | 0.0180155 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2181E-5 b | 0.0195926 b |

| | | |
|----------------|---|---------------------------|
| << 42-Mo-96 | 42-Mo-97 | 42-Mo-98 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb96 production) | 42-Mo-98 MT1 (n,total) >> |



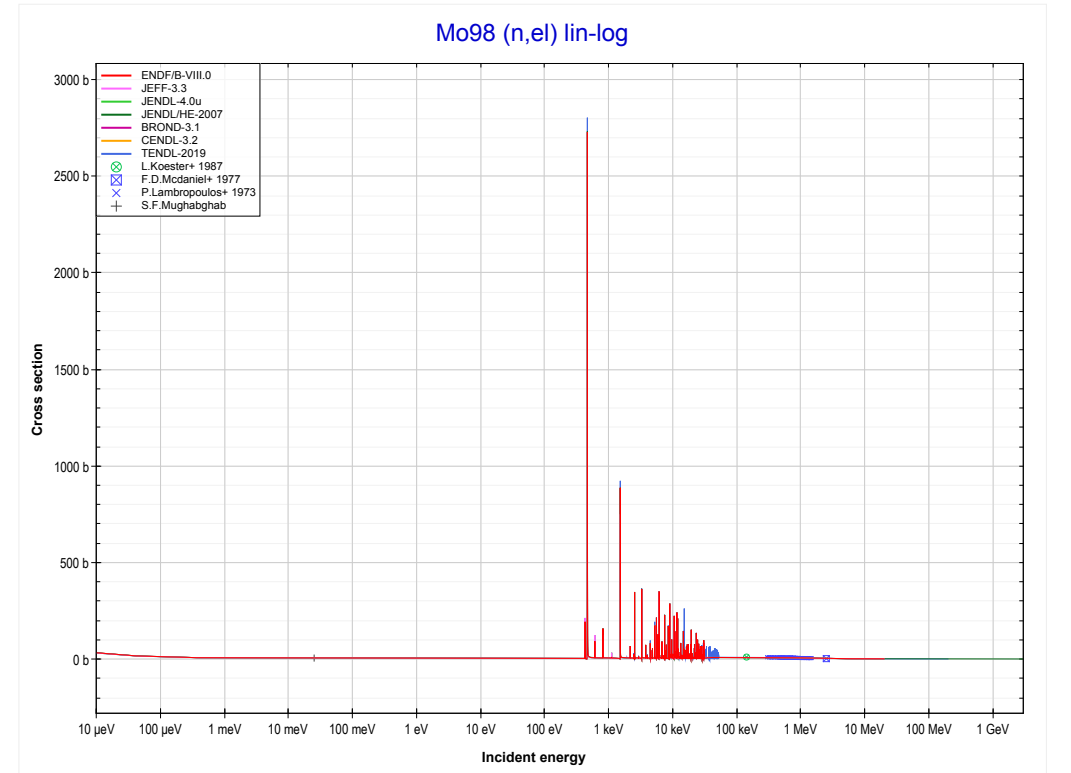
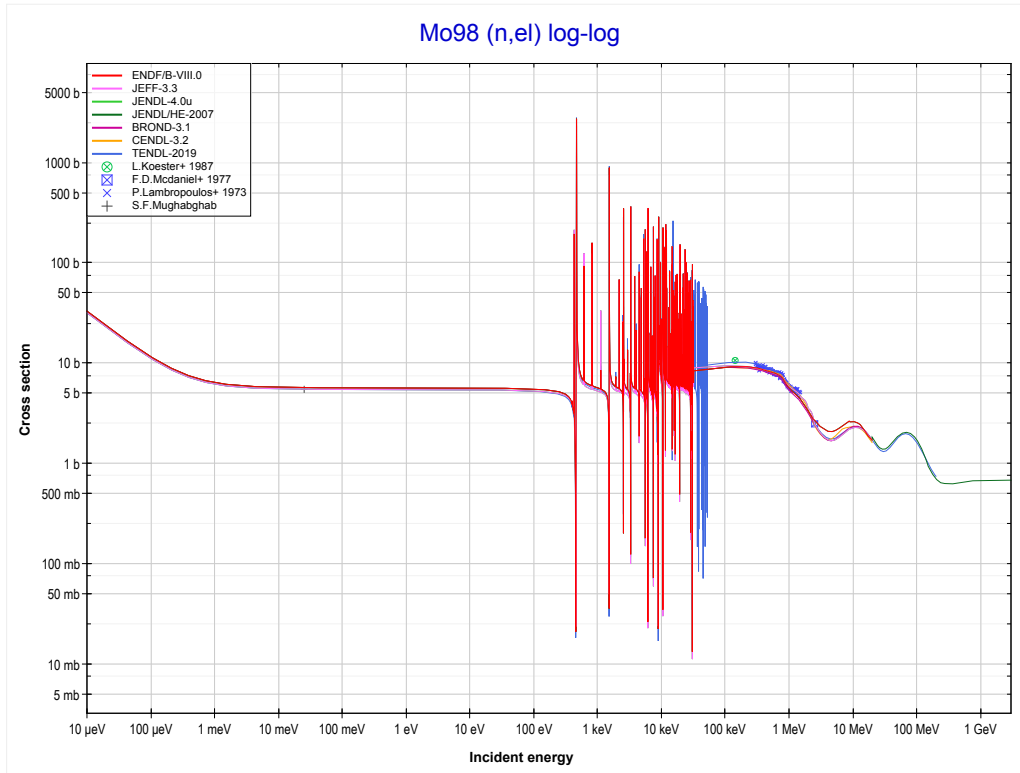
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.83804E-7 b | 8.10187E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.29966E-7 b | 6.58483E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.49367E-7 b | 6.018E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.49367E-7 b | 6.018E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.29962E-7 b | 6.58483E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.13359E-7 b | 9.8167E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.81995E-7 b | 0.0017937 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.57056E-7 b | 6.55775E-4 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 42-Mo-96 | 42-Mo-98 | 42-Mo-100 >> |
| << 42-Mo-97 MT104 (n,d) | MT1 (n,total) | MT2 (n,elastic) >> |



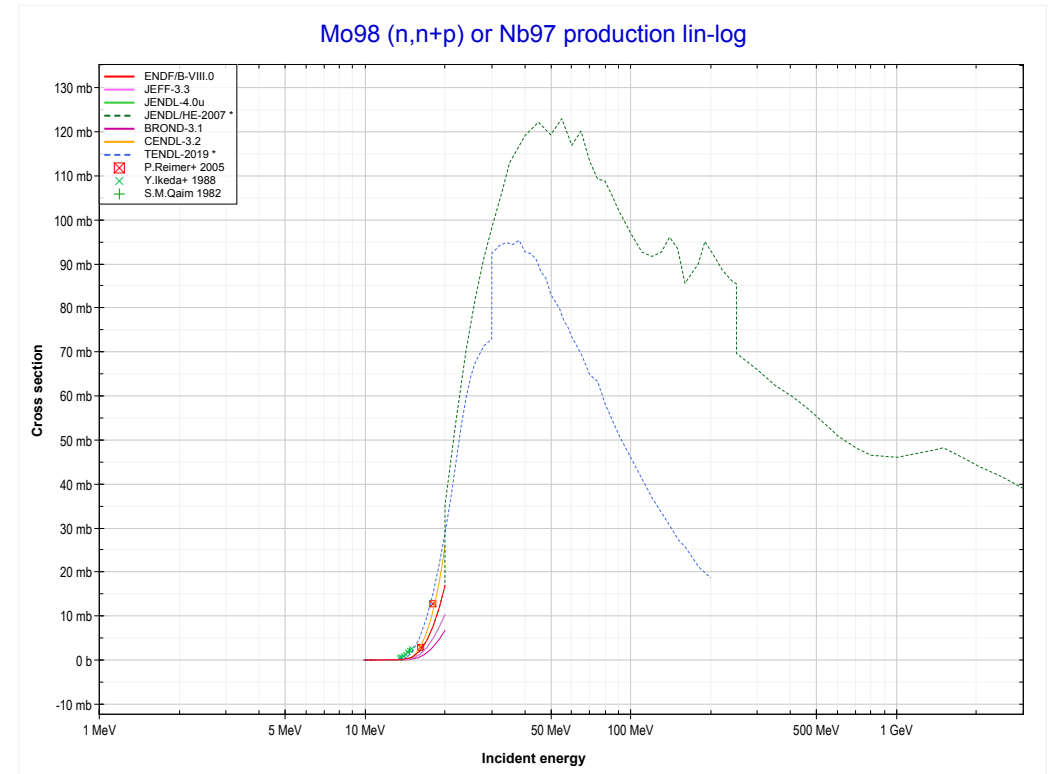
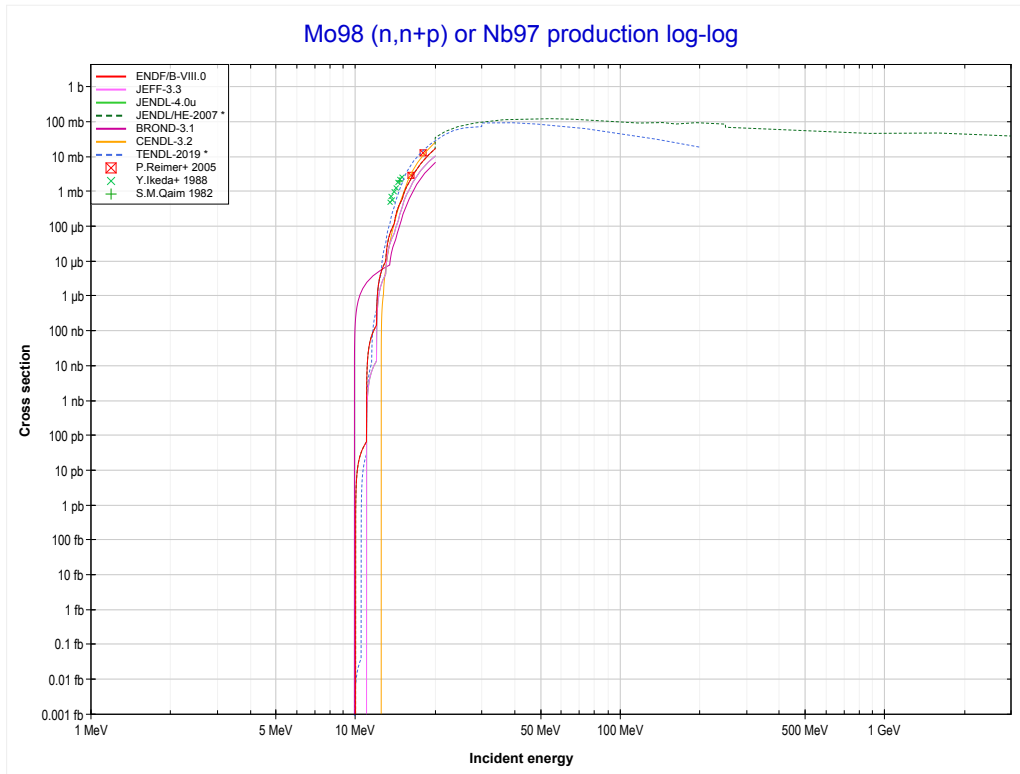
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.80095 b | 5.80095 b | 6.529 b | 1.1255 | 101.777 b | 5.88439 b | 4.07231 b |
| JEFF-3.3 | 5.59562 b | 5.59562 b | 6.2971 b | 1.12535 | 95.6891 b | 6.08476 b | 4.166 b |
| JENDL-4.0u | 5.59562 b | 5.59562 b | 6.2971 b | 1.12535 | 95.6891 b | 6.08476 b | 4.166 b |
| JENDL/HE-2007 | 5.80092 b | 5.80092 b | 6.5293 b | 1.12557 | 101.782 b | 5.88649 b | 4.07231 b |
| BROND-3.1 | 5.80095 b | 5.80095 b | 6.529 b | 1.1255 | 101.777 b | 5.66827 b | 3.9974 b |
| CENDL-3.2 | 5.80092 b | 5.80092 b | 6.5293 b | 1.12557 | 101.782 b | 6.07594 b | 4.07684 b |
| TENDL-2019 | 5.59228 b | 5.59228 b | 6.2938 b | 1.12544 | 100.131 b | 6.09005 b | 4.09524 b |

| | | |
|------------------|------------------------|-----------------|
| << 42-Mo-97 | 42-Mo-98 | 42-Mo-100 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



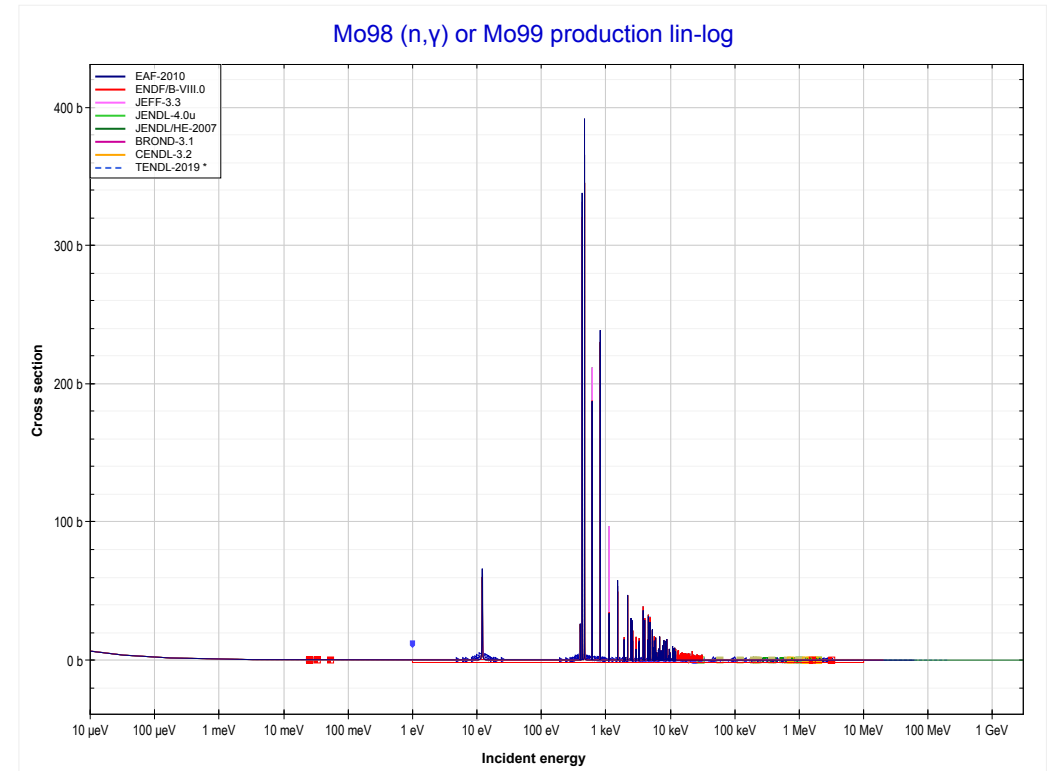
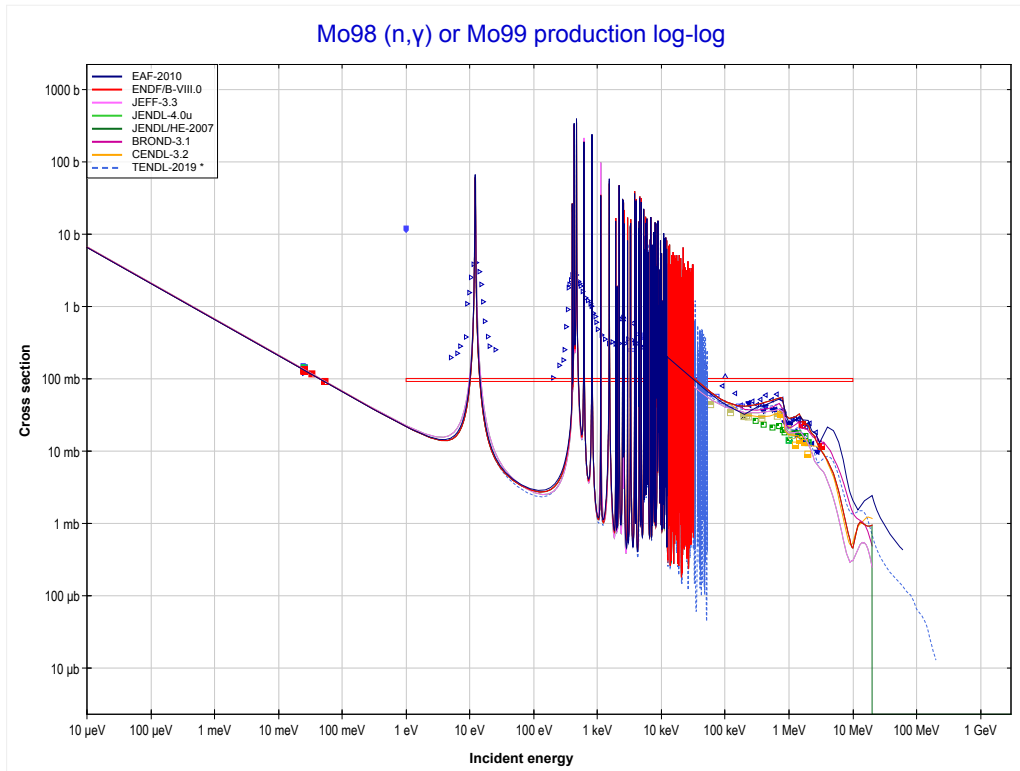
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.67094 b | 5.67094 b | 6.3989 b | 1.12836 | 95.3575 b | 4.7248 b | 2.29815 b |
| JEFF-3.3 | 5.46347 b | 5.46347 b | 6.1648 b | 1.12836 | 88.8773 b | 4.76978 b | 2.18554 b |
| JENDL-4.0u | 5.46347 b | 5.46347 b | 6.1648 b | 1.12836 | 88.8773 b | 4.76978 b | 2.18554 b |
| JENDL/HE-2007 | 5.67094 b | 5.67094 b | 6.3993 b | 1.12843 | 95.3505 b | 4.72559 b | 2.29815 b |
| BROND-3.1 | 5.67094 b | 5.67094 b | 6.3989 b | 1.12836 | 95.3575 b | 4.43946 b | 2.23382 b |
| CENDL-3.2 | 5.67094 b | 5.67094 b | 6.3993 b | 1.12843 | 95.3505 b | 4.74327 b | 2.14712 b |
| TENDL-2019 | 5.46191 b | 5.46191 b | 6.1634 b | 1.12842 | 93.9622 b | 4.8123 b | 2.21069 b |

| | | |
|--------------------|--|-------------------------|
| << 42-Mo-97 | 42-Mo-98 | 44-Ru-96 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Nb97 production) | MT102 (n, γ) >> |



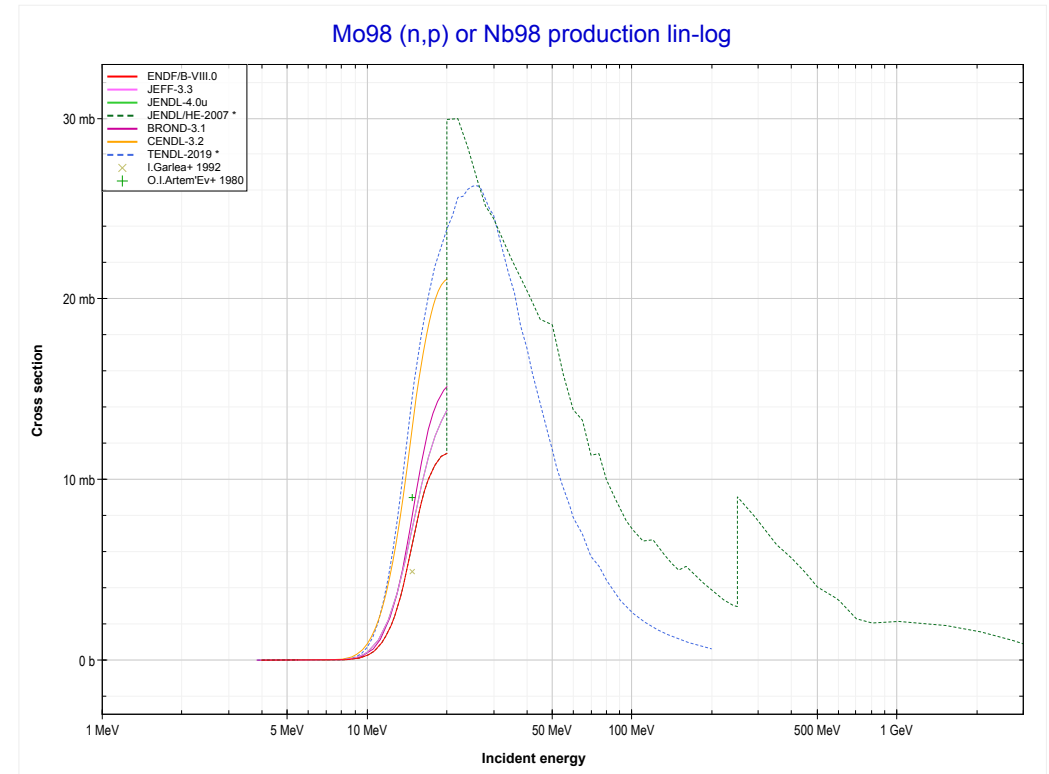
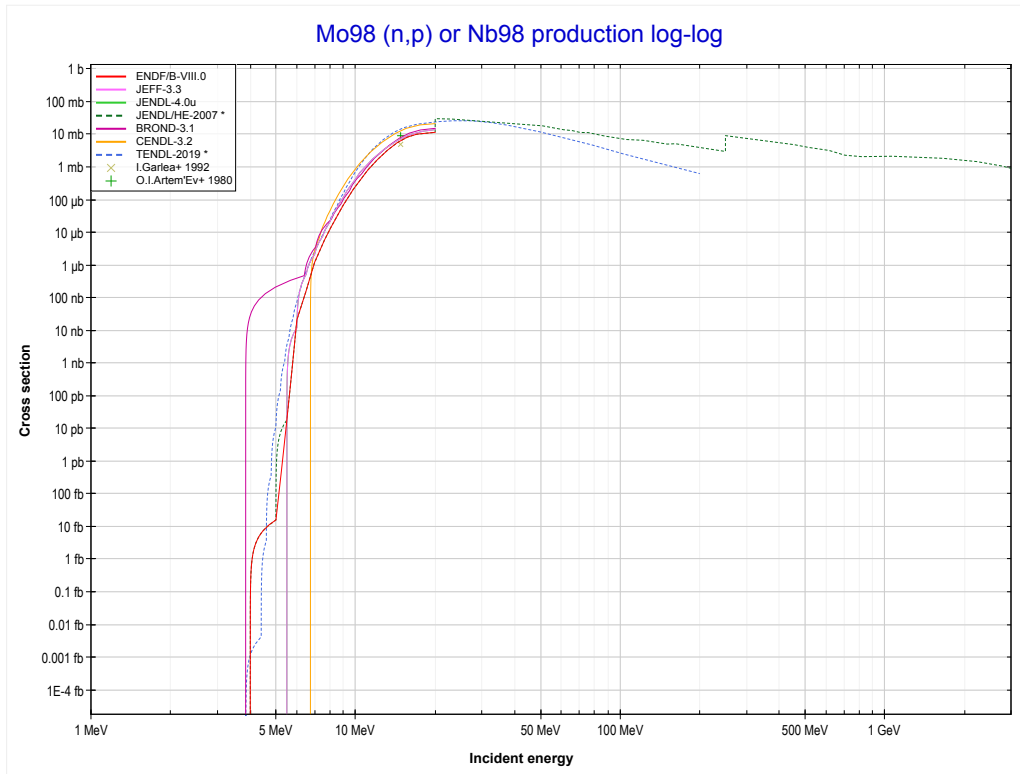
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03354E-7 b | 1.16954E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.22801E-7 b | 6.14E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.22801E-7 b | 6.14E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03327E-7 b | 1.16954E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.35771E-8 b | 3.27061E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.692E-7 b | 1.20084E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.5609E-7 b | 3.52629E-4 b |

| | | |
|-----------------|---|----------------|
| << 42-Mo-97 | 42-Mo-98 | 42-Mo-100 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Mo99 production) | MT103 (n,p) >> |



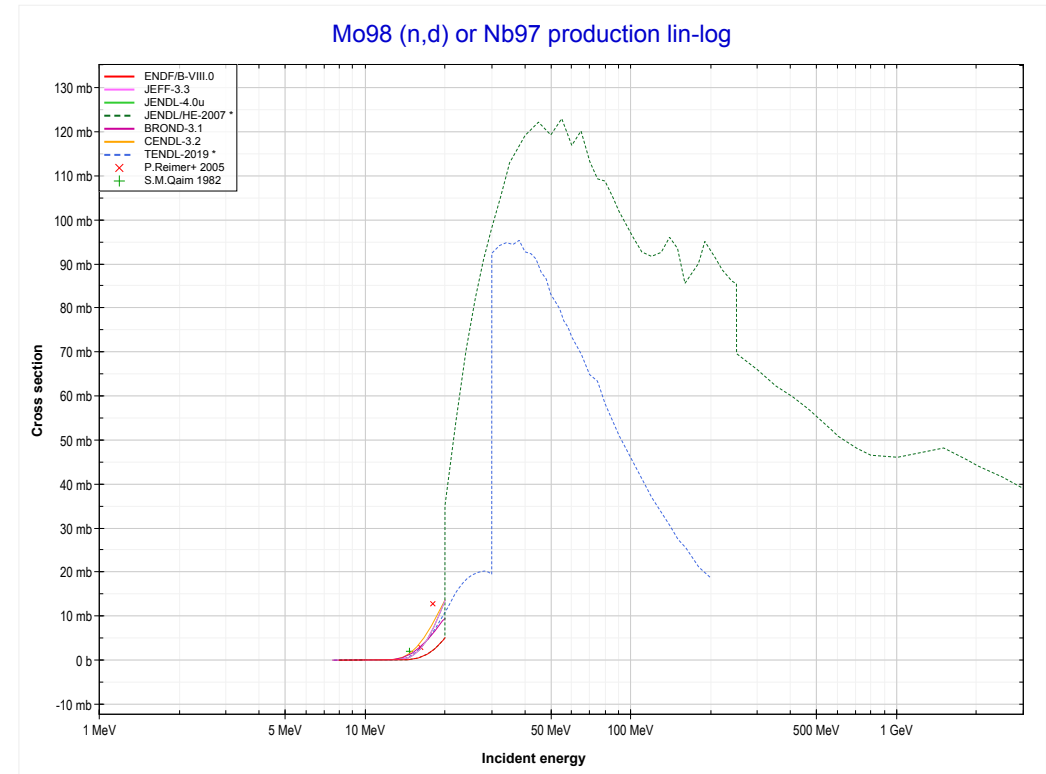
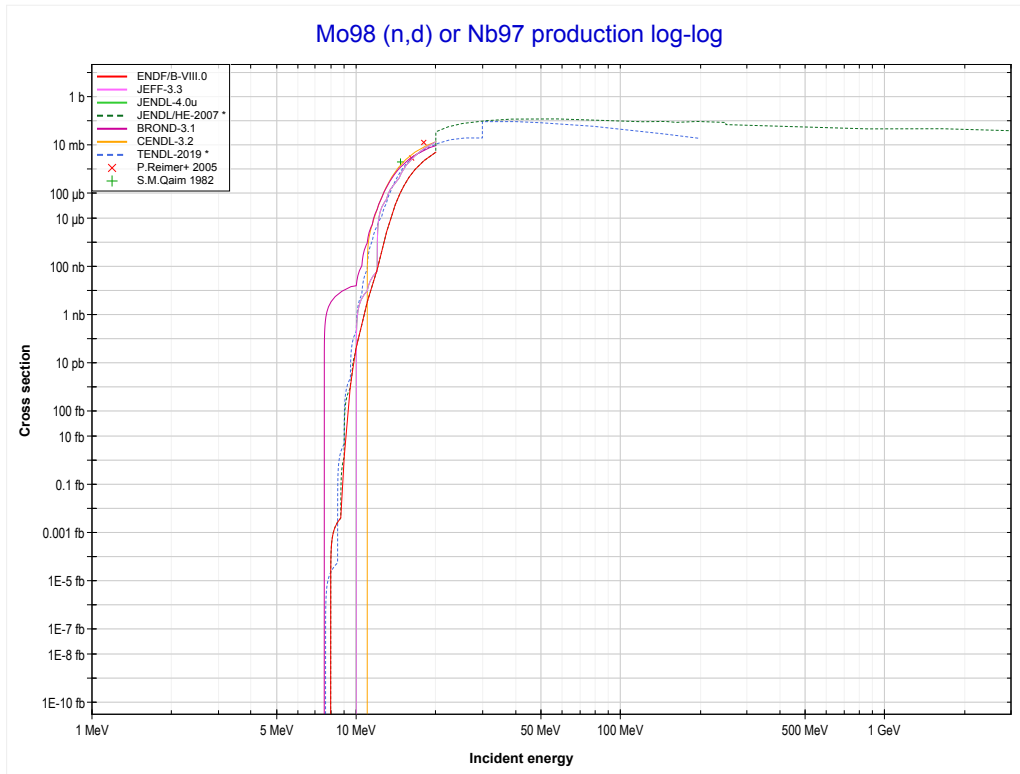
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.129149 b | 0.129053 b | 0.1291 b | 1.00036 | 6.95365 b | 0.028136 b | 0.00185507 b |
| ENDF/B-VIII.0 | 0.130015 b | 0.130015 b | 0.13013 b | 1.00087 | 6.4191 b | 0.0268387 b | 0.00101157 b |
| JEFF-3.3 | 0.132148 b | 0.132148 b | 0.13229 b | 1.00108 | 6.81182 b | 0.0177974 b | 5.4E-4 b |
| JENDL-4.0u | 0.132148 b | 0.132148 b | 0.13229 b | 1.00108 | 6.81182 b | 0.0177974 b | 5.4E-4 b |
| JENDL/HE-2007 | 0.129979 b | 0.129979 b | 0.13005 b | 1.00055 | 6.41856 b | 0.0268369 b | 0.00101157 b |
| BROND-3.1 | 0.130015 b | 0.130015 b | 0.13013 b | 1.00087 | 6.4191 b | 0.0234014 b | 0.0010474 b |
| CENDL-3.2 | 0.129979 b | 0.129979 b | 0.13005 b | 1.00055 | 6.41856 b | 0.0175337 b | 0.0010303 b |
| TENDL-2019 | 0.130376 b | 0.130376 b | 0.13044 b | 1.00052 | 6.16115 b | 0.0206331 b | 0.00148378 b |

| | | |
|-------------------------|---|----------------|
| << 42-Mo-97 | 42-Mo-98 | 42-Mo-100 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb98 production) | MT104 (n,d) >> |



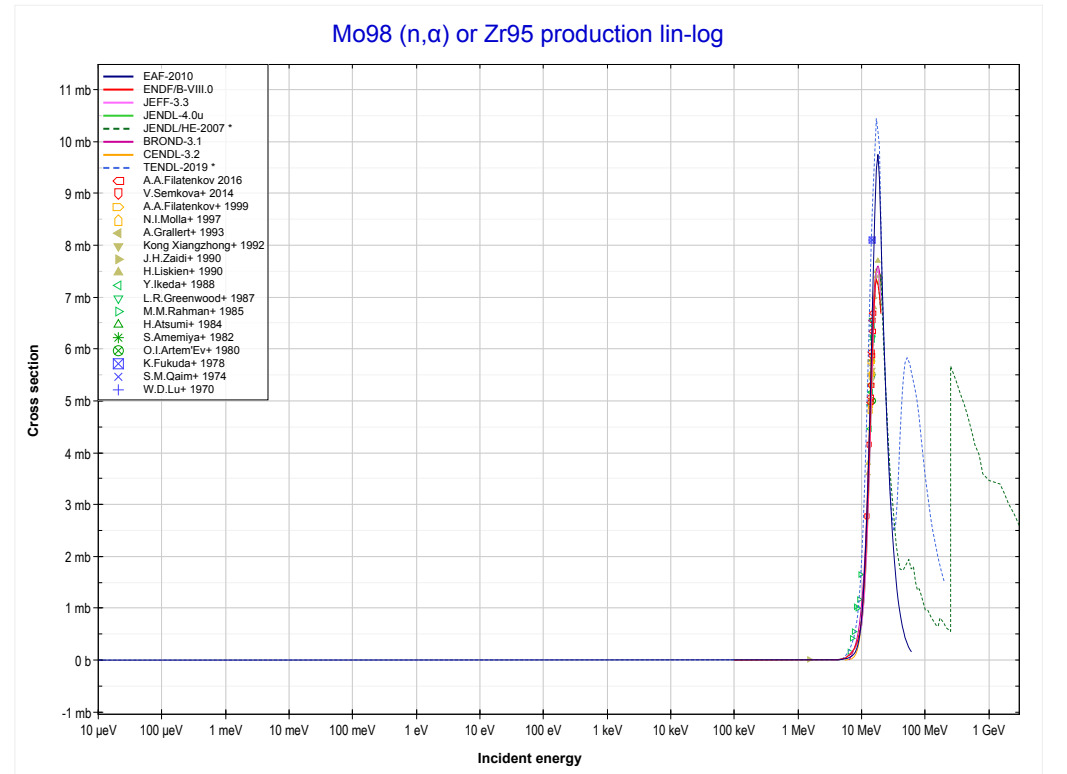
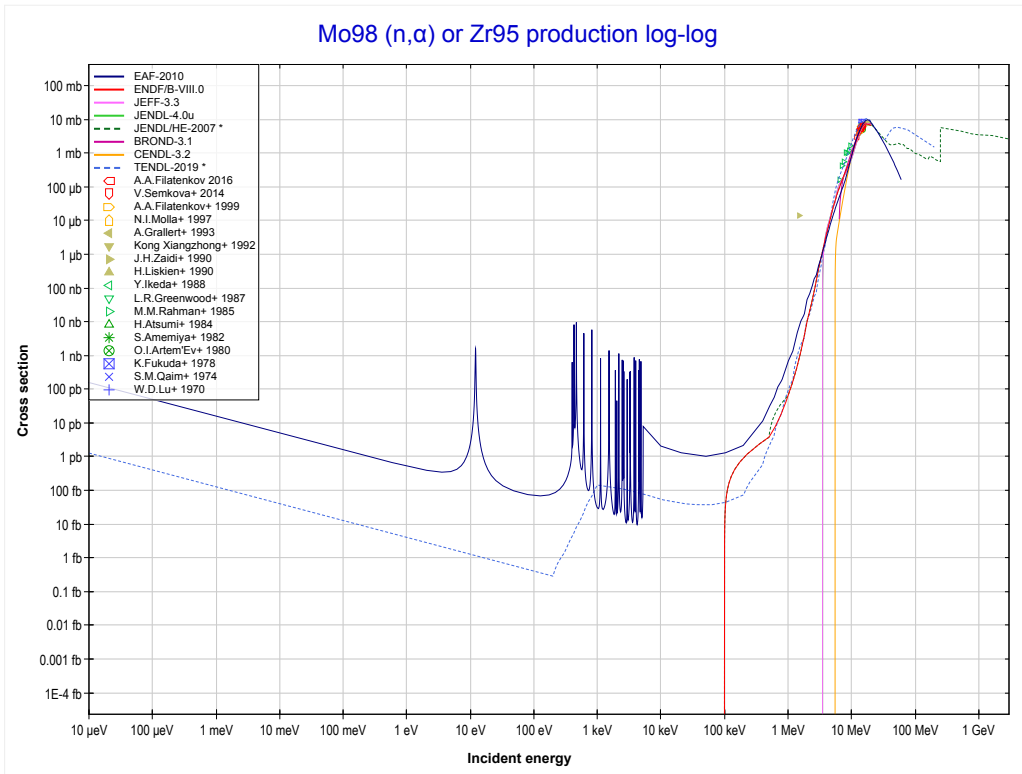
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.19653E-6 b | 0.0047856 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.48526E-6 b | 0.00564 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.48526E-6 b | 0.00564 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.19647E-6 b | 0.0047856 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.34454E-6 b | 0.00599027 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.42028E-6 b | 0.0101147 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.30258E-6 b | 0.011625 b |

| | | |
|----------------|---|-------------------------|
| << 42-Mo-97 | 42-Mo-98 | 44-Ru-96 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Nb97 production) | MT107 (n, α) >> |



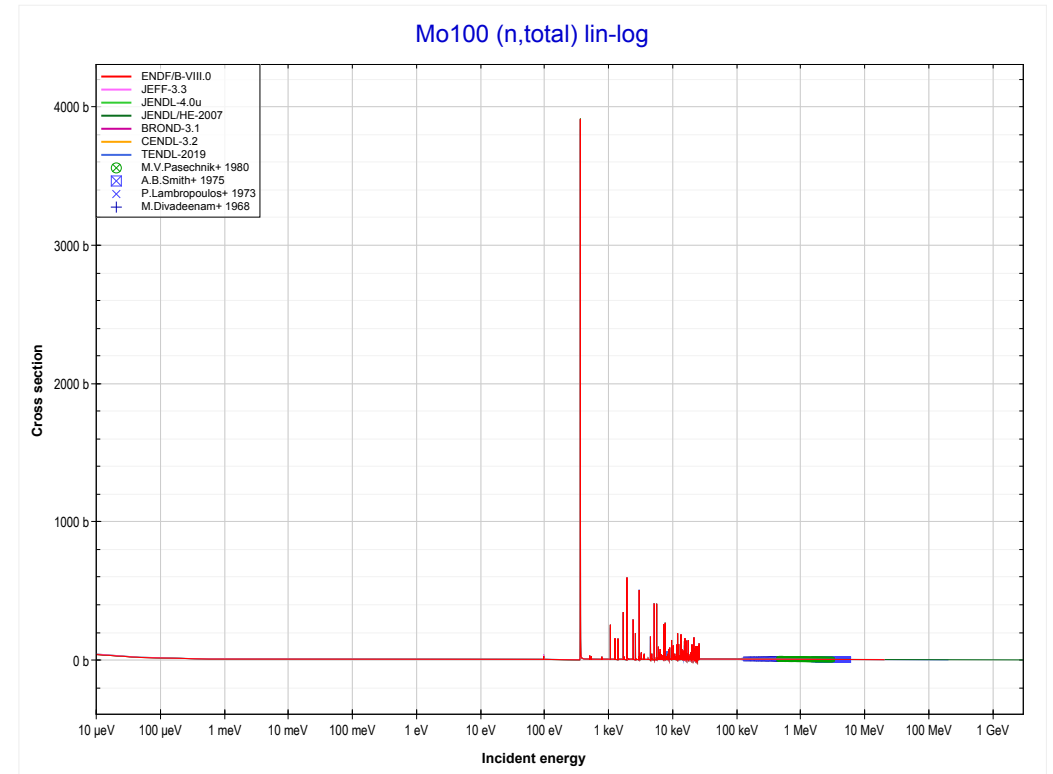
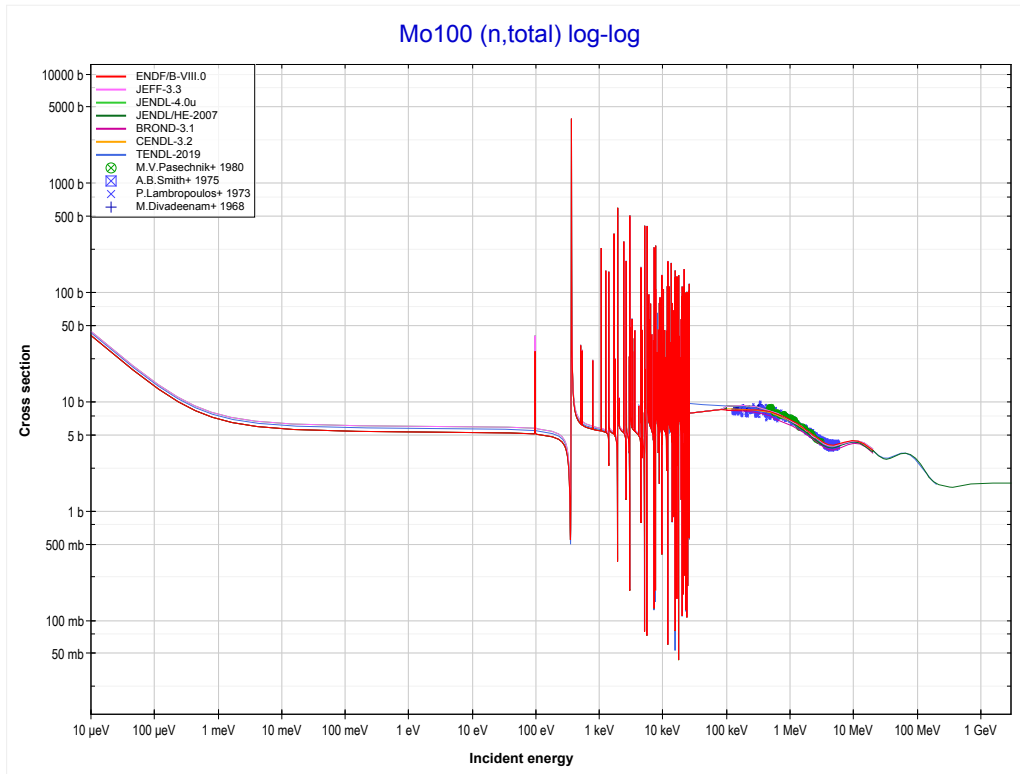
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.62167E-8 b | 3.16701E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30296E-7 b | 2.574E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.30296E-7 b | 2.574E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.61778E-8 b | 3.16701E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.15693E-7 b | 6.4529E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.93698E-7 b | 7.49518E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.33702E-7 b | 3.01041E-4 b |

| | | |
|----------------|---|----------------------------|
| << 42-Mo-95 | 42-Mo-98 | 42-Mo-100 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Zr95 production) | 42-Mo-100 MT1 (n,total) >> |



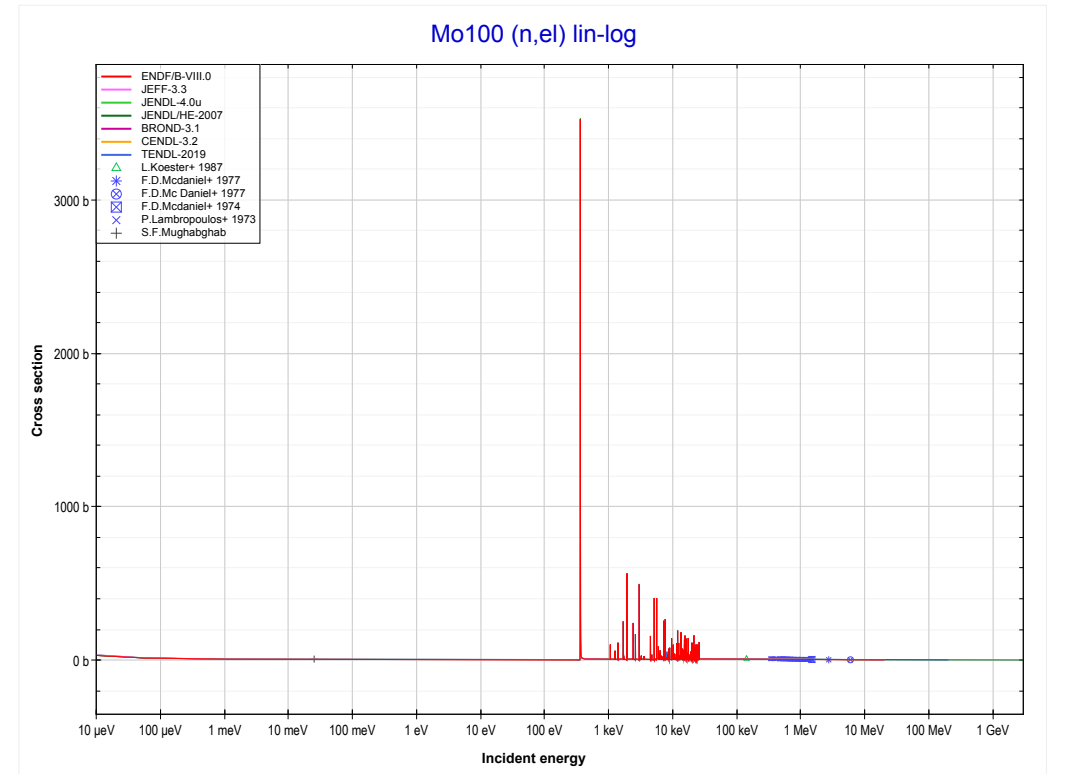
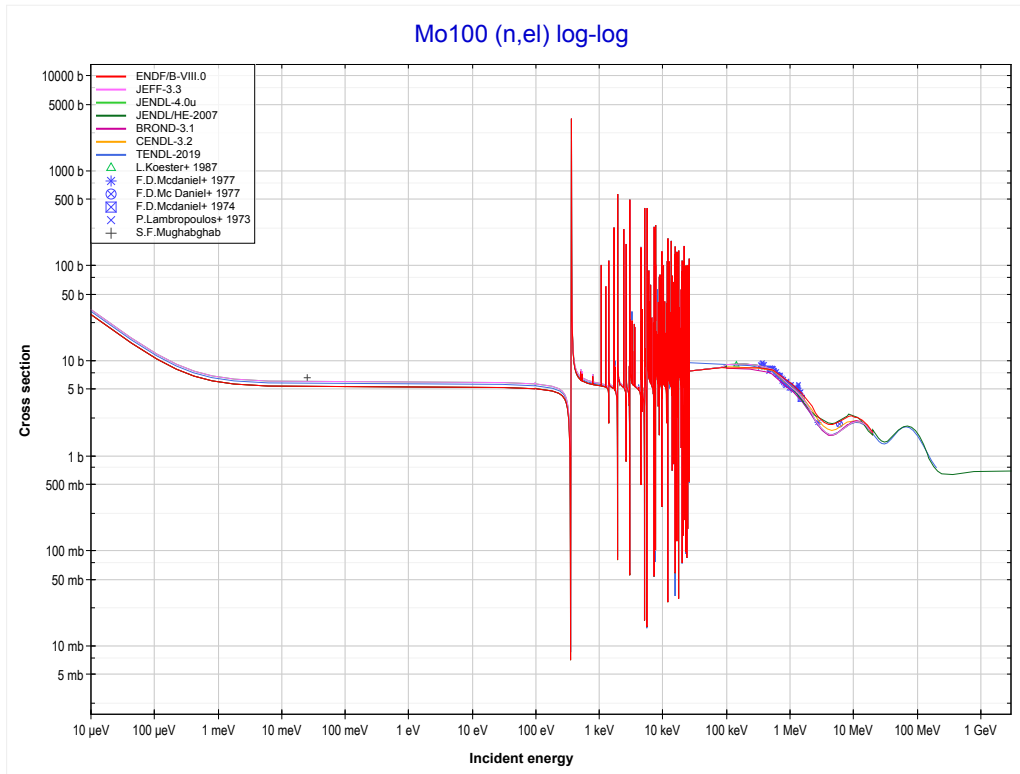
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.1333E-12 b | 3.13096E-12 b | 3.1321E-12 b | 1.00036 | 1.64437E-10 b | 9.26002E-6 b | 0.00558834 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.89581E-24 b | 1.13156E-5 b | 0.00508064 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10133E-5 b | 0.004711 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.10133E-5 b | 0.004711 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13151E-5 b | 0.00508064 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74682E-6 b | 0.0053 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.74516E-6 b | 0.00565259 b |
| TENDL-2019 | 2.5429E-14 b | 2.5429E-14 b | 2.5413E-14 b | 0.99936 | 3.74679E-13 b | 2.27814E-5 b | 0.00786846 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 42-Mo-98 | 42-Mo-100 | 43-Tc-99 >> |
| << 42-Mo-98 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



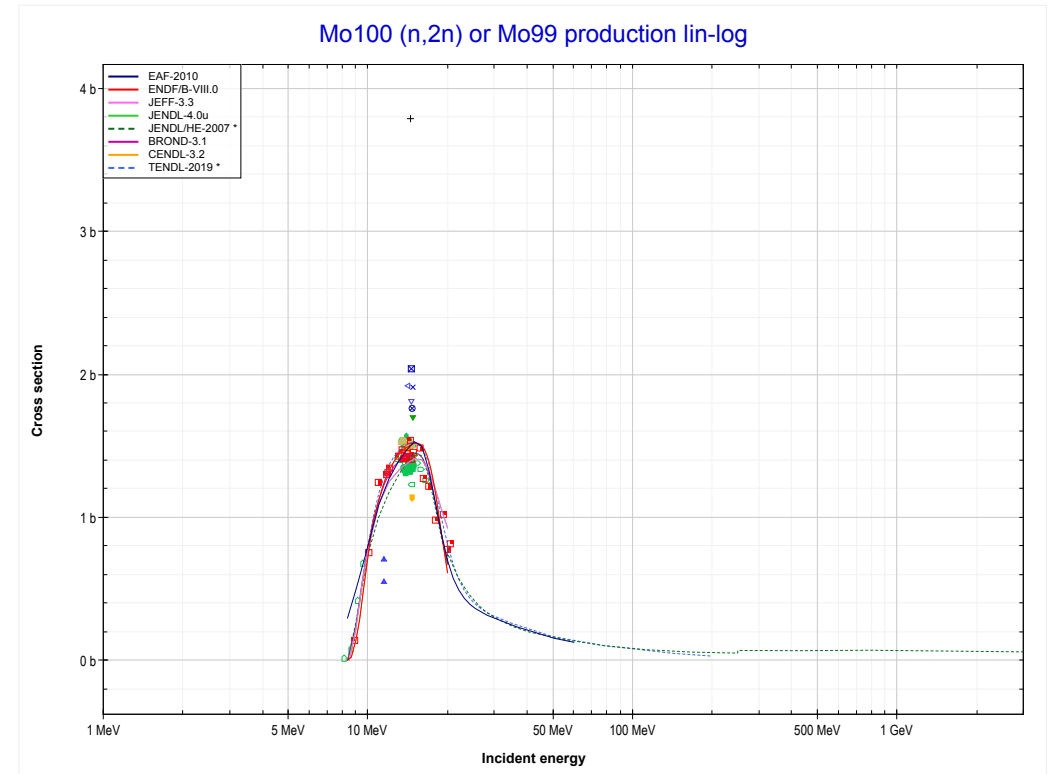
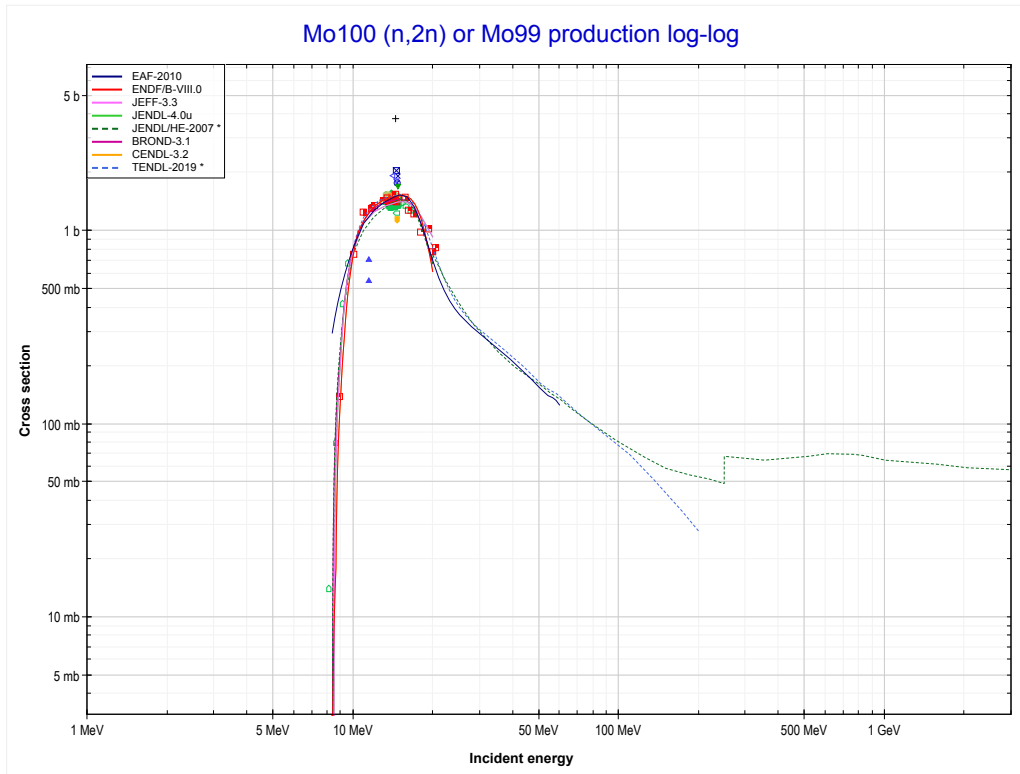
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.52616 b | 5.52616 b | 6.21 b | 1.12374 | 100.715 b | 6.0236 b | 4.20256 b |
| JEFF-3.3 | 6.20426 b | 6.20426 b | 6.9758 b | 1.12436 | 105.959 b | 6.02063 b | 4.27435 b |
| JENDL-4.0u | 6.20426 b | 6.20426 b | 6.9758 b | 1.12436 | 105.959 b | 6.02063 b | 4.27435 b |
| JENDL/HE-2007 | 5.52611 b | 5.52611 b | 6.2102 b | 1.1238 | 100.764 b | 5.88427 b | 4.07231 b |
| BROND-3.1 | 5.52616 b | 5.52616 b | 6.21 b | 1.12374 | 100.747 b | 5.49195 b | 4.02548 b |
| CENDL-3.2 | 5.52611 b | 5.52611 b | 6.2102 b | 1.1238 | 100.764 b | 5.92928 b | 4.18069 b |
| TENDL-2019 | 5.94901 b | 5.94901 b | 6.6875 b | 1.12414 | 103.948 b | 5.81954 b | 4.13123 b |

| | | |
|------------------|------------------------|----------------|
| << 42-Mo-98 | 42-Mo-100 | 43-Tc-99 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



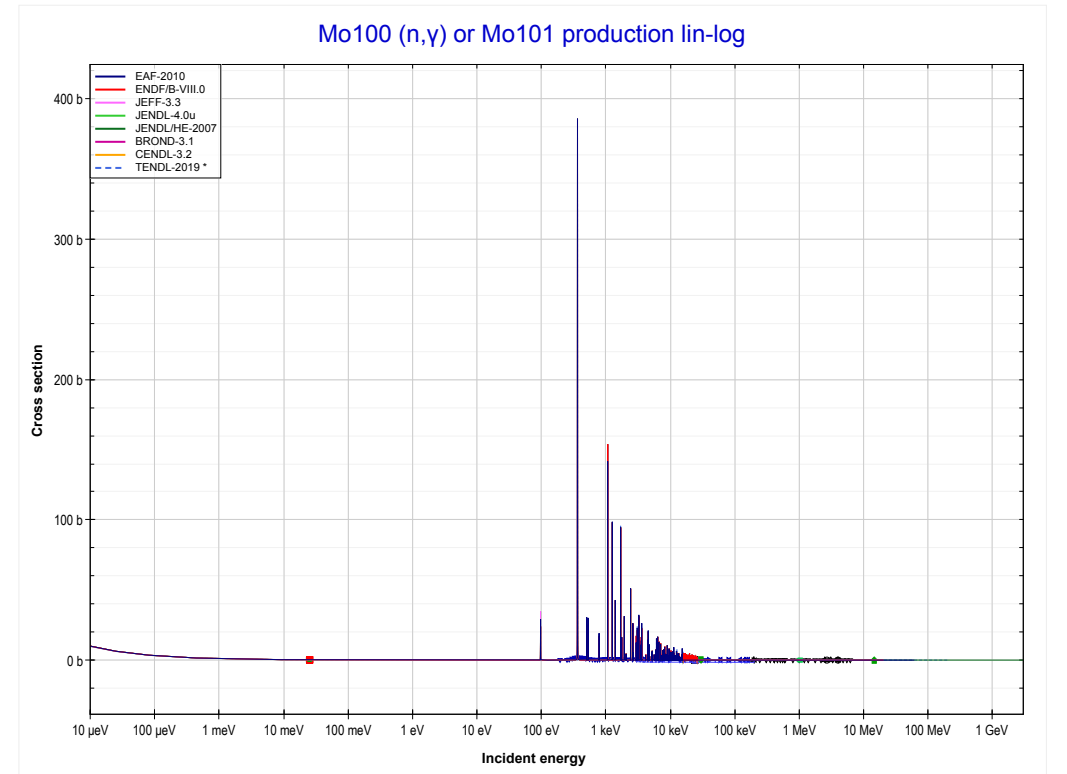
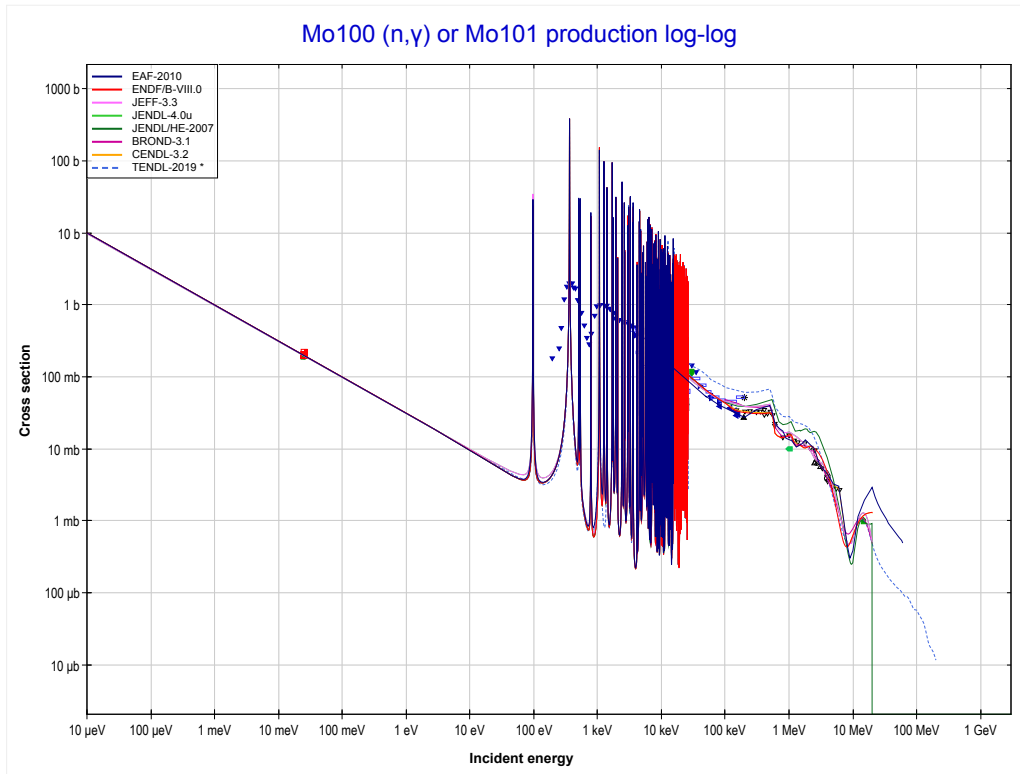
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.32708 b | 5.32708 b | 6.0108 b | 1.12836 | 96.9244 b | 4.74275 b | 2.343 b |
| JEFF-3.3 | 6.01045 b | 6.01045 b | 6.7819 b | 1.12836 | 102.101 b | 4.45807 b | 2.206 b |
| JENDL-4.0u | 6.01045 b | 6.01045 b | 6.7819 b | 1.12836 | 102.101 b | 4.45807 b | 2.206 b |
| JENDL/HE-2007 | 5.32708 b | 5.32708 b | 6.0112 b | 1.12842 | 96.9669 b | 4.55829 b | 2.23357 b |
| BROND-3.1 | 5.32708 b | 5.32708 b | 6.0108 b | 1.12836 | 96.9561 b | 4.10147 b | 2.2322 b |
| CENDL-3.2 | 5.32708 b | 5.32708 b | 6.0112 b | 1.12842 | 96.9669 b | 4.49623 b | 2.21524 b |
| TENDL-2019 | 5.7505 b | 5.7505 b | 6.489 b | 1.12842 | 100.631 b | 4.25787 b | 2.15629 b |

| | | |
|--------------------|---|-------------------------|
| << 42-Mo-95 | 42-Mo-100 | 43-Tc-99 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Mo99 production) | MT102 (n, γ) >> |



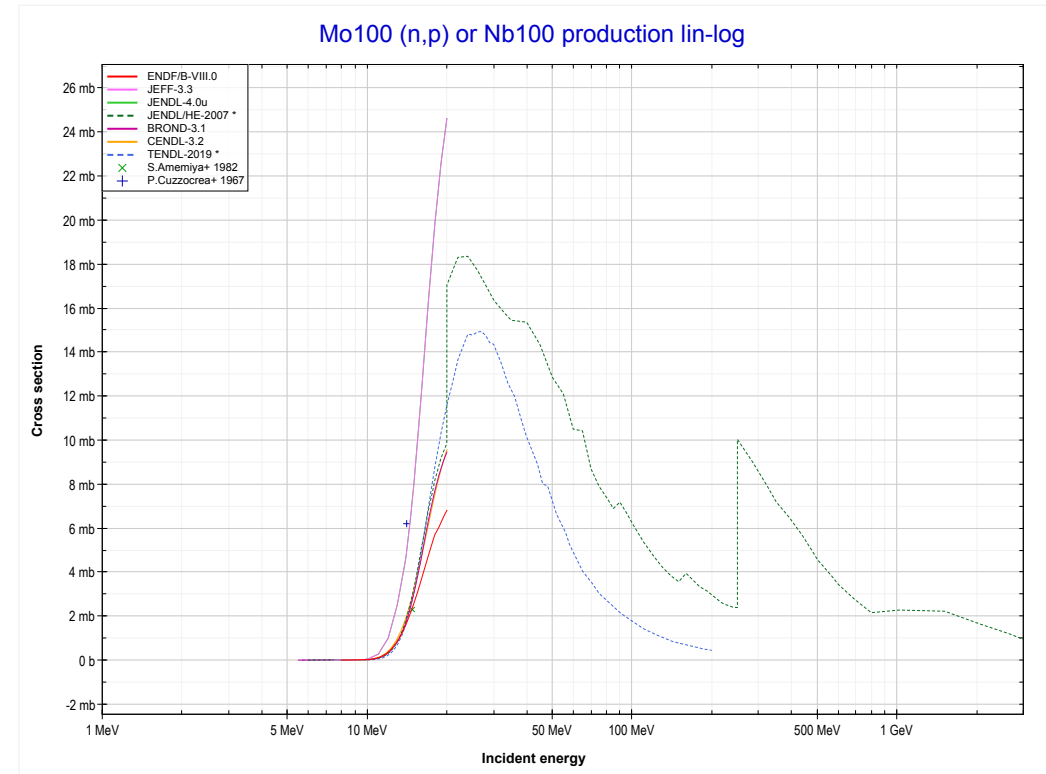
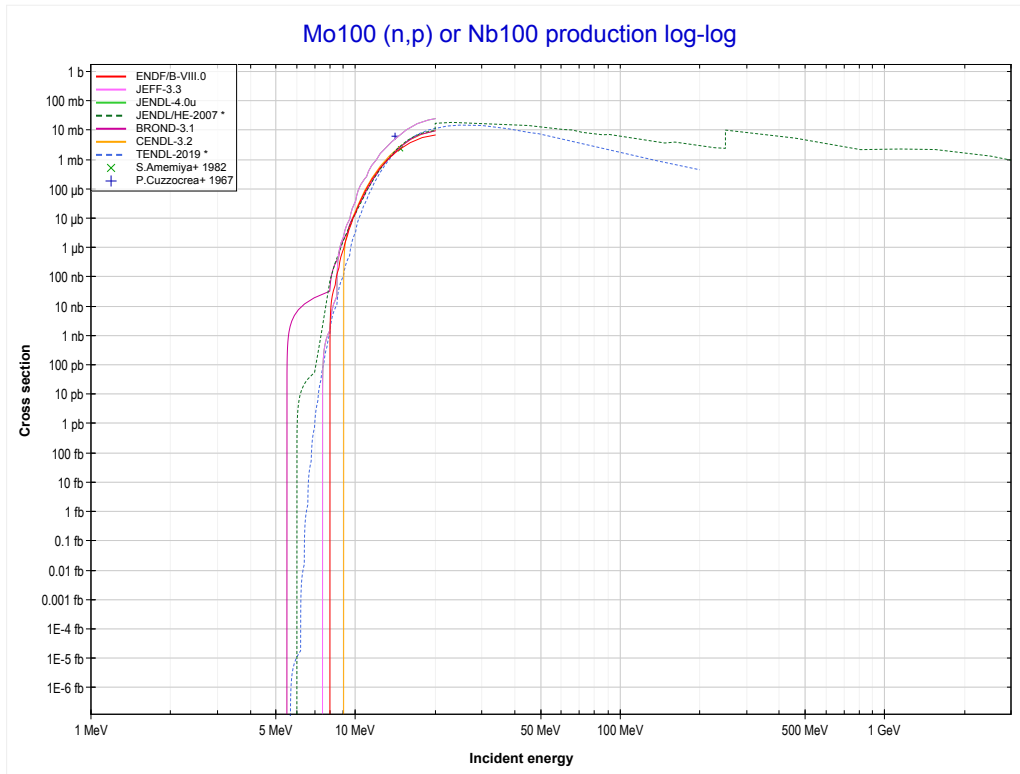
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00352039 b | 1.47012 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307069 b | 1.489 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00323404 b | 1.375 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00323404 b | 1.375 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0032089 b | 1.38543 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00343034 b | 1.4276 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307069 b | 1.489 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00345804 b | 1.5076 b |

| | | |
|----------------|--|----------------|
| << 42-Mo-98 | 42-Mo-100 | 43-Tc-98 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Mo101 production) | MT103 (n,p) >> |



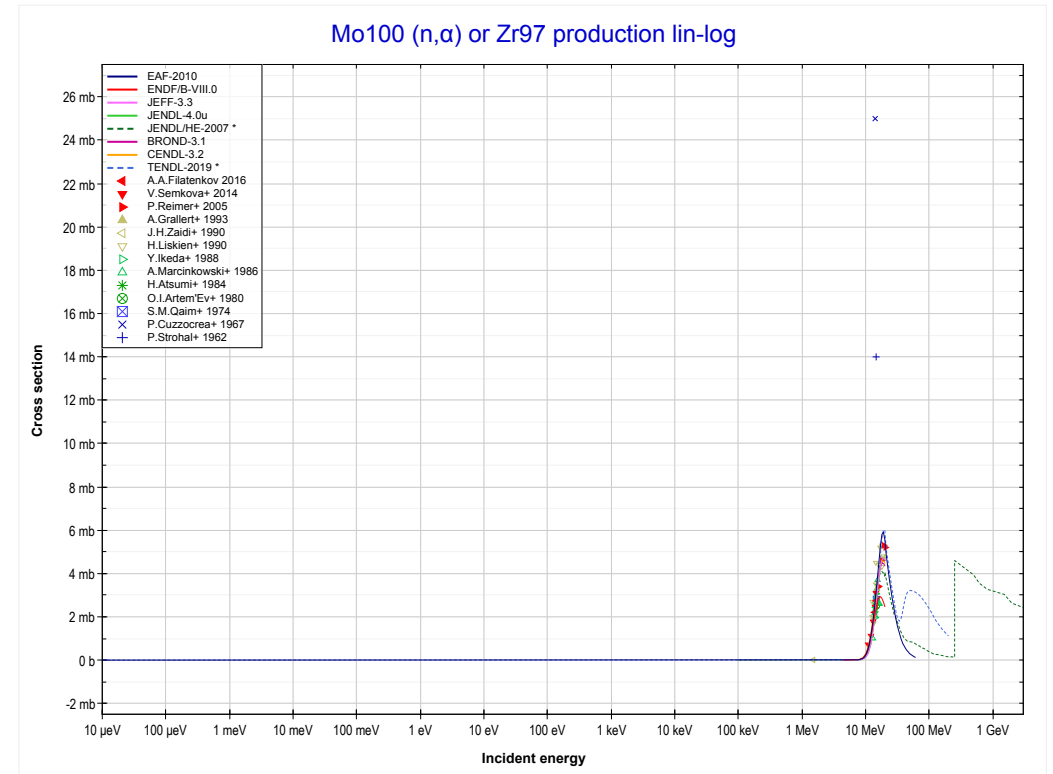
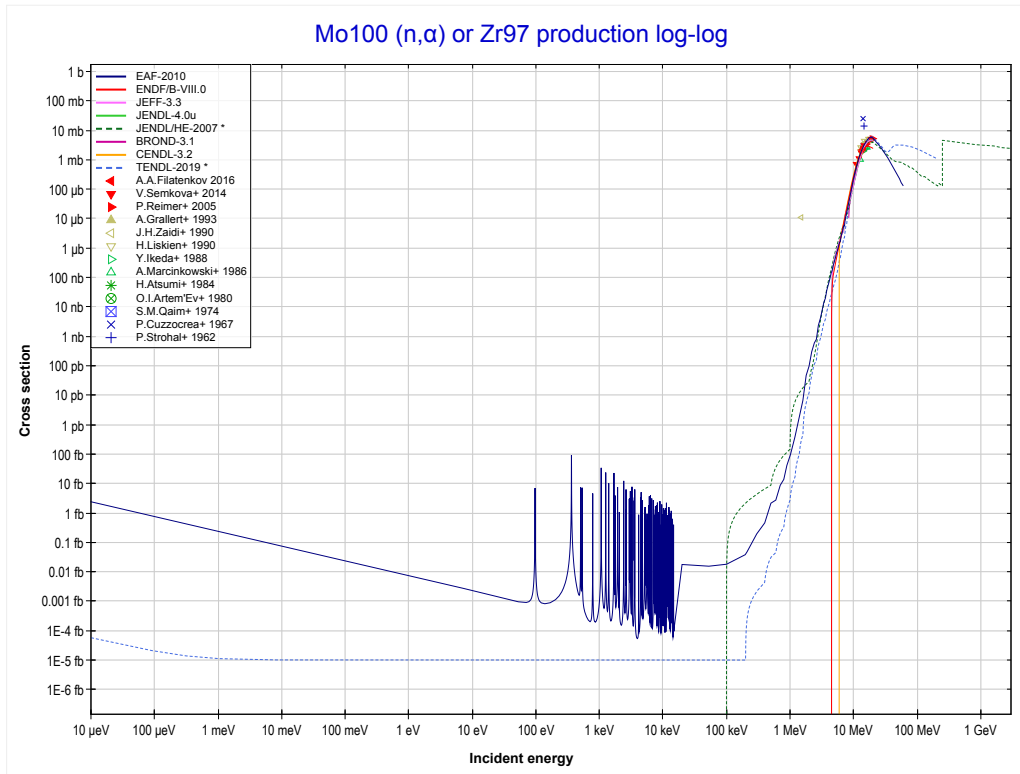
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.198687 b | 0.198538 b | 0.1985 b | 0.99979 | 3.8698 b | 0.0147868 b | 0.00163015 b |
| ENDF/B-VIII.0 | 0.199083 b | 0.199083 b | 0.19915 b | 1.00033 | 3.79101 b | 0.0141306 b | 0.0011444 b |
| JEFF-3.3 | 0.193813 b | 0.193813 b | 0.19389 b | 1.00039 | 3.8582 b | 0.0159527 b | 0.001288 b |
| JENDL-4.0u | 0.193813 b | 0.193813 b | 0.19389 b | 1.00039 | 3.8582 b | 0.0159527 b | 0.001288 b |
| JENDL/HE-2007 | 0.199027 b | 0.199027 b | 0.19903 b | 1 | 3.79029 b | 0.0212178 b | 0.00100826 b |
| BROND-3.1 | 0.199083 b | 0.199083 b | 0.19915 b | 1.00033 | 3.79108 b | 0.014819 b | 0.0011016 b |
| CENDL-3.2 | 0.199027 b | 0.199027 b | 0.19903 b | 1 | 3.79029 b | 0.0140996 b | 0.0011444 b |
| TENDL-2019 | 0.198512 b | 0.198512 b | 0.19852 b | 1.00003 | 3.30583 b | 0.0256024 b | 0.00106615 b |

| | | |
|-------------------------|--|-------------------------|
| << 42-Mo-98 | 42-Mo-100 | 43-Tc-99 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Nb100 production) | MT107 (n, α) >> |



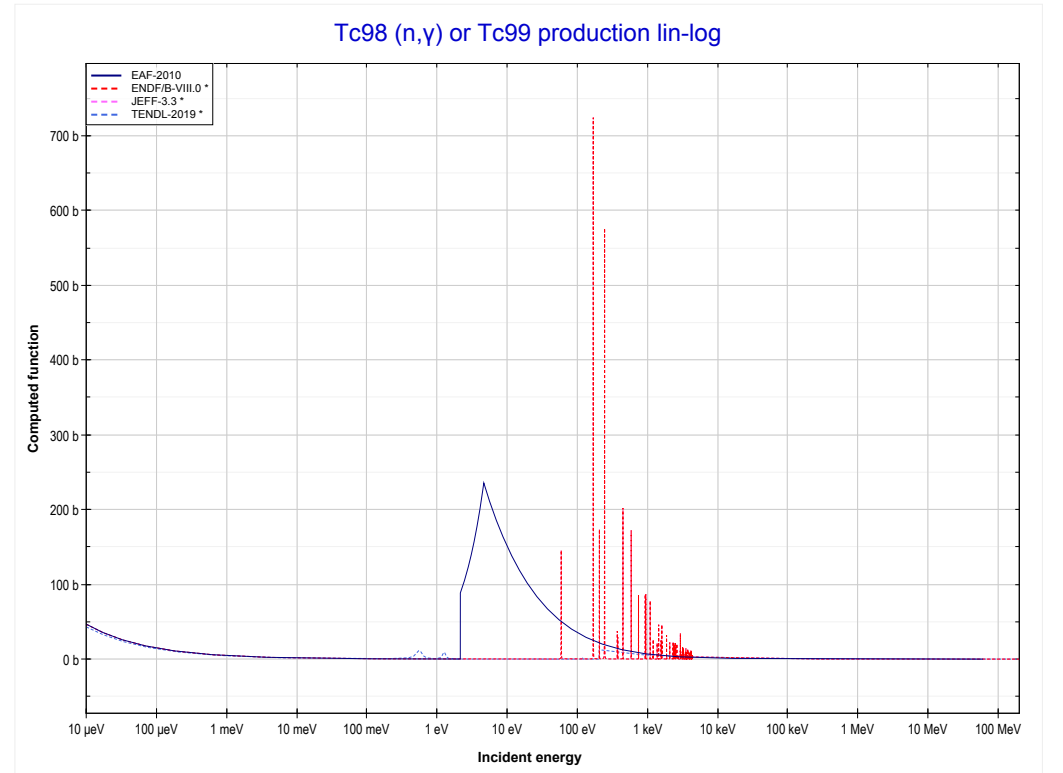
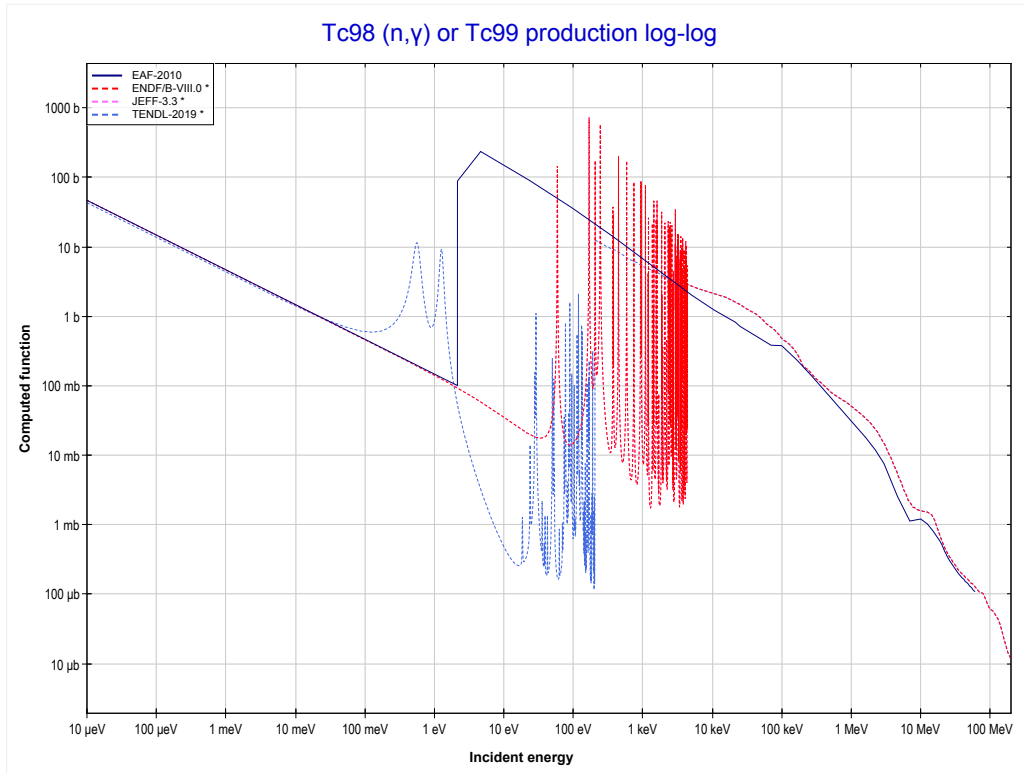
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.75921E-7 b | 0.0016042 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38673E-6 b | 0.00464 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.38673E-6 b | 0.00464 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.59768E-7 b | 0.00183801 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.31334E-7 b | 0.00171615 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.20716E-7 b | 0.00190101 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.40573E-7 b | 0.00160868 b |

| | | |
|----------------|---|----------------------------------|
| << 42-Mo-98 | 42-Mo-100 | 43-Tc-99 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Zr97 production) | 43-Tc-98 MT102 (n, γ) >> |



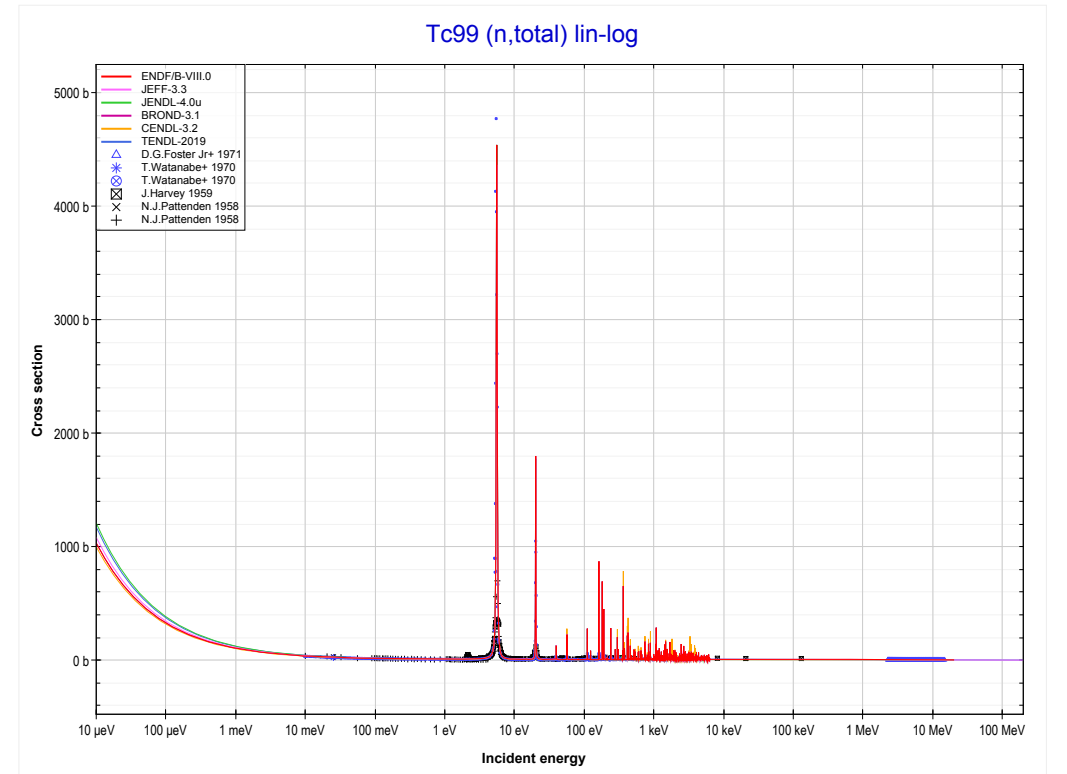
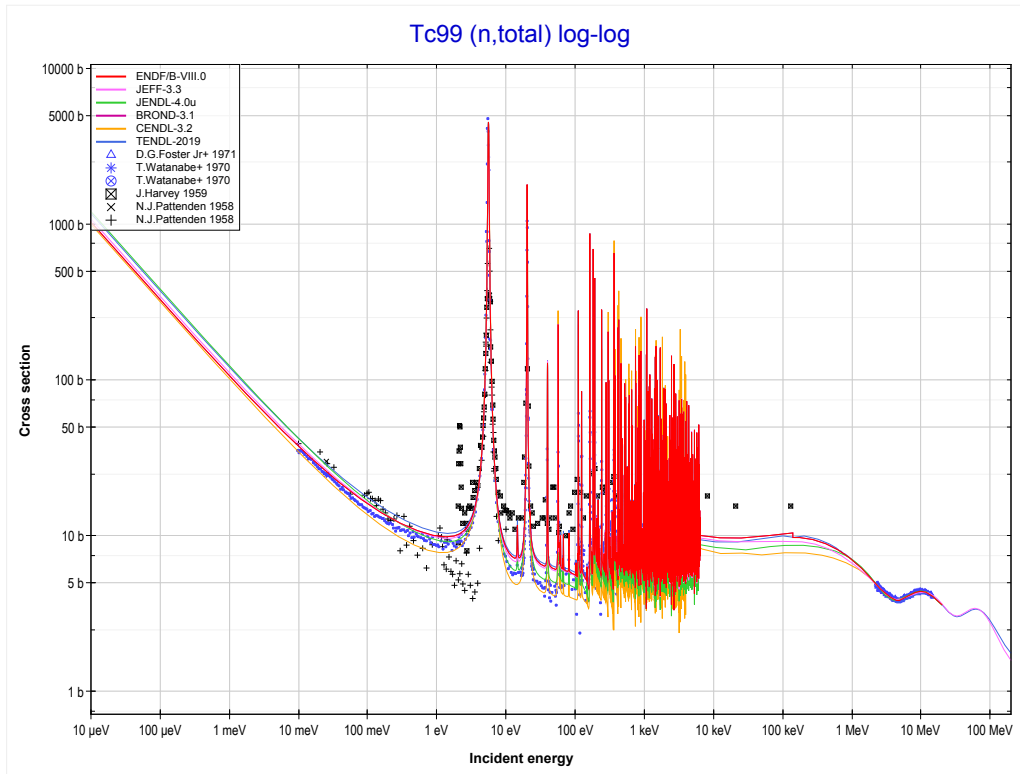
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.77869E-17 b | 4.77511E-17 b | 4.7741E-17 b | 0.99979 | 9.24715E-16 b | 2.39021E-6 b | 0.00265997 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.34948E-6 b | 0.0021503 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73537E-6 b | 0.002113 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.73537E-6 b | 0.002113 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.83157E-6 b | 0.0023848 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.85453E-6 b | 0.00247 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76532E-6 b | 0.00263718 b |
| TENDL-2019 | 1.005E-20 b | 1.005E-20 b | 1.1341E-20 b | 1.12848 | 1.22074E-19 b | 1.80572E-6 b | 0.00212847 b |

| | | |
|-----------------------------------|---|---------------------------|
| << 42-Mo-100 | 43-Tc-98 | 43-Tc-99 >> |
| << 42-Mo-100 MT107 (n, α) | MT102 (n,γ) or MT5 (Tc99 production) | 43-Tc-99 MT1 (n,total) >> |



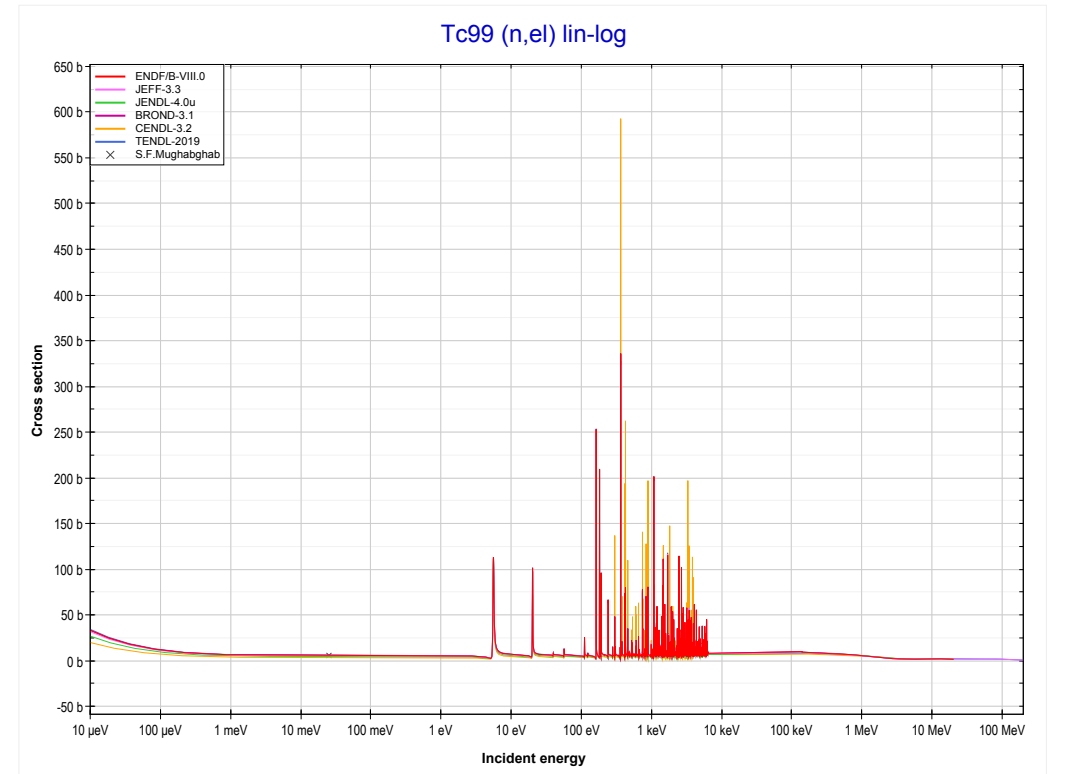
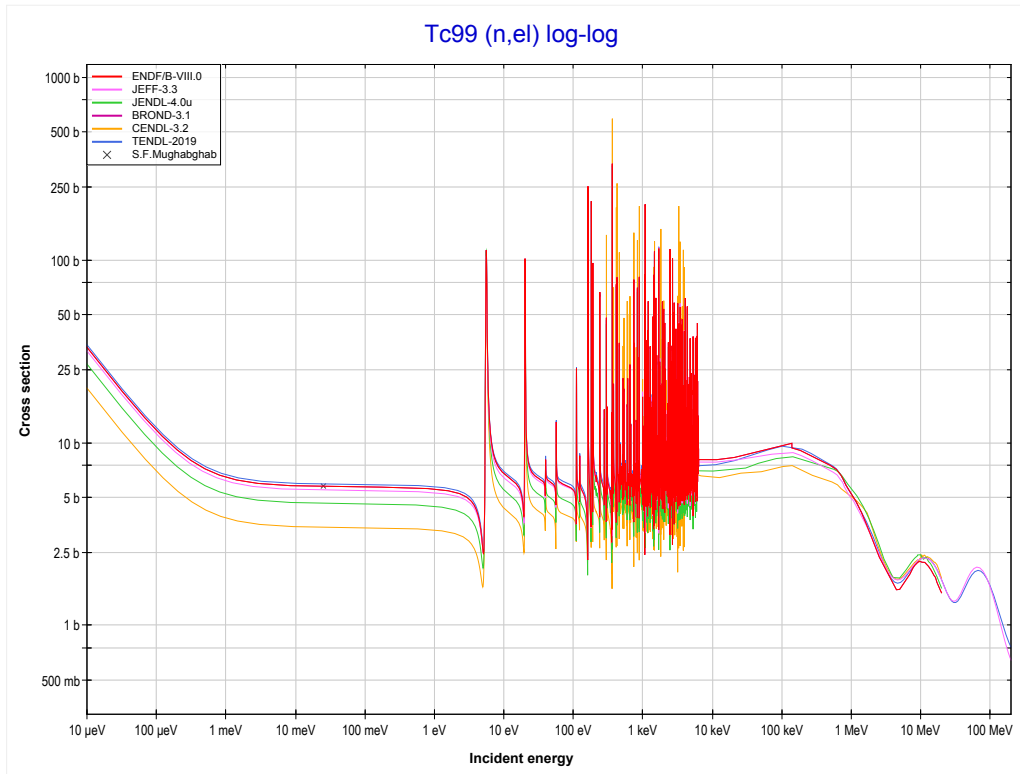
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.93 b | 0.929303 b | 0.92933 b | 1.00002 | 497.763 b | 0.041735 b | 9E-4 b |
| ENDF/B-VIII.0 | 0.927 b | 0.927 b | 0.92692 b | 0.99991 | 18.4389 b | 0.0615578 b | 0.00143209 b |
| JEFF-3.3 | 0.927 b | 0.927 b | 0.92692 b | 0.99991 | 18.4389 b | 0.0615578 b | 0.00143209 b |
| TENDL-2019 | 0.925467 b | 0.925467 b | 0.97287 b | 1.05122 | 28.603 b | 0.0611059 b | 0.0014307 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 42-Mo-100 | 43-Tc-99 | 44-Ru-101 >> |
| << 43-Tc-98 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



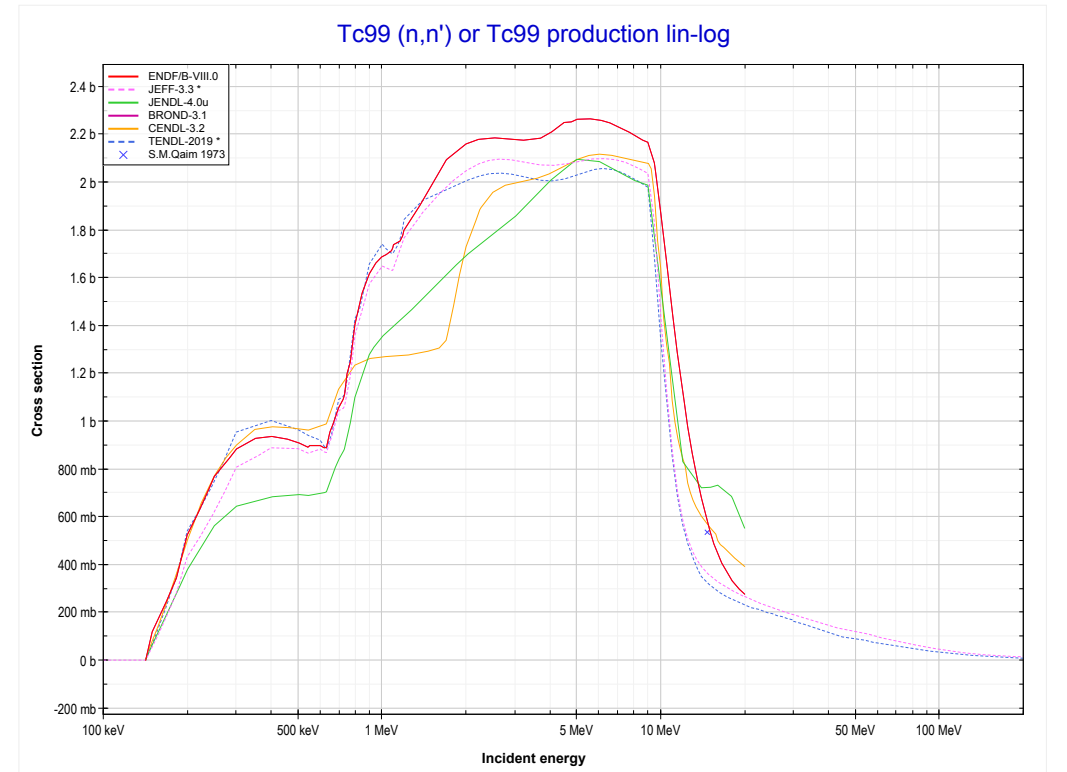
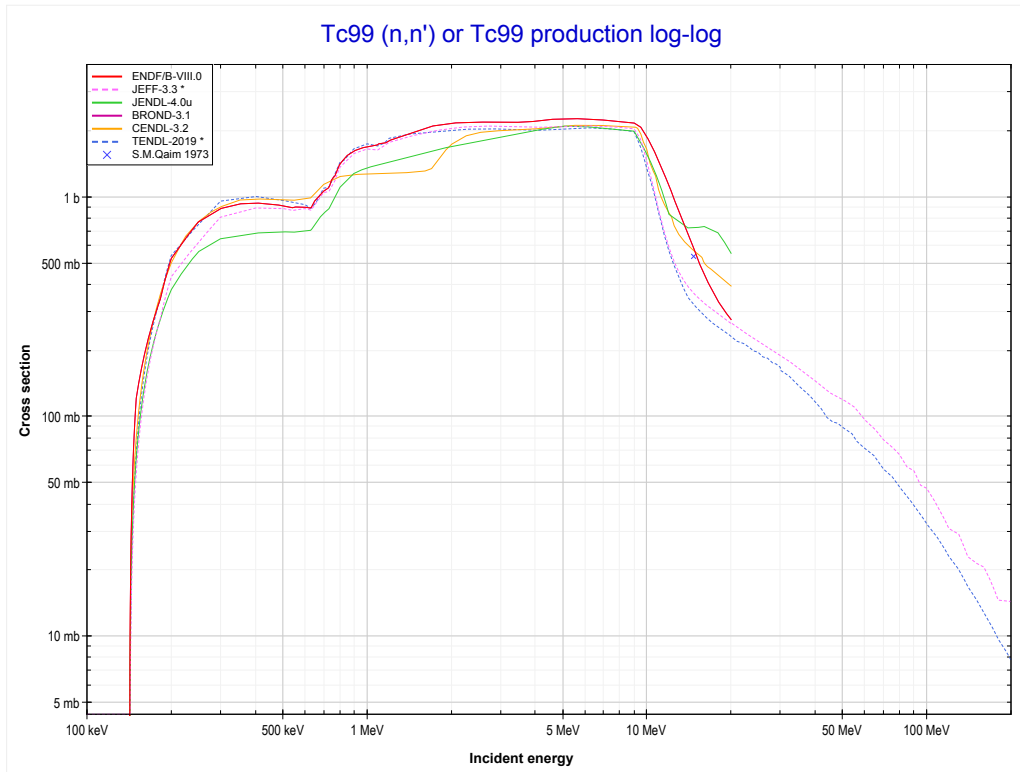
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 25.7632 b | 25.7632 b | 26.58 b | 1.03169 | 420.933 b | 6.12854 b | 4.15055 b |
| JEFF-3.3 | 26.4978 b | 26.4978 b | 27.275 b | 1.02931 | 407.813 b | 5.91435 b | 4.2095 b |
| JENDL-4.0u | 28.26 b | 28.26 b | 28.929 b | 1.02368 | 408.248 b | 5.99209 b | 4.16944 b |
| BROND-3.1 | 25.7632 b | 25.7632 b | 26.58 b | 1.03169 | 420.933 b | 6.12854 b | 4.15055 b |
| CENDL-3.2 | 23.083 b | 23.083 b | 23.609 b | 1.02281 | 385.918 b | 5.64162 b | 4.18467 b |
| TENDL-2019 | 28.7351 b | 28.7351 b | 29.566 b | 1.02892 | 421.711 b | 6.12625 b | 4.17801 b |

| | | |
|------------------|------------------------|---------------|
| << 42-Mo-100 | 43-Tc-99 | 44-Ru-101 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



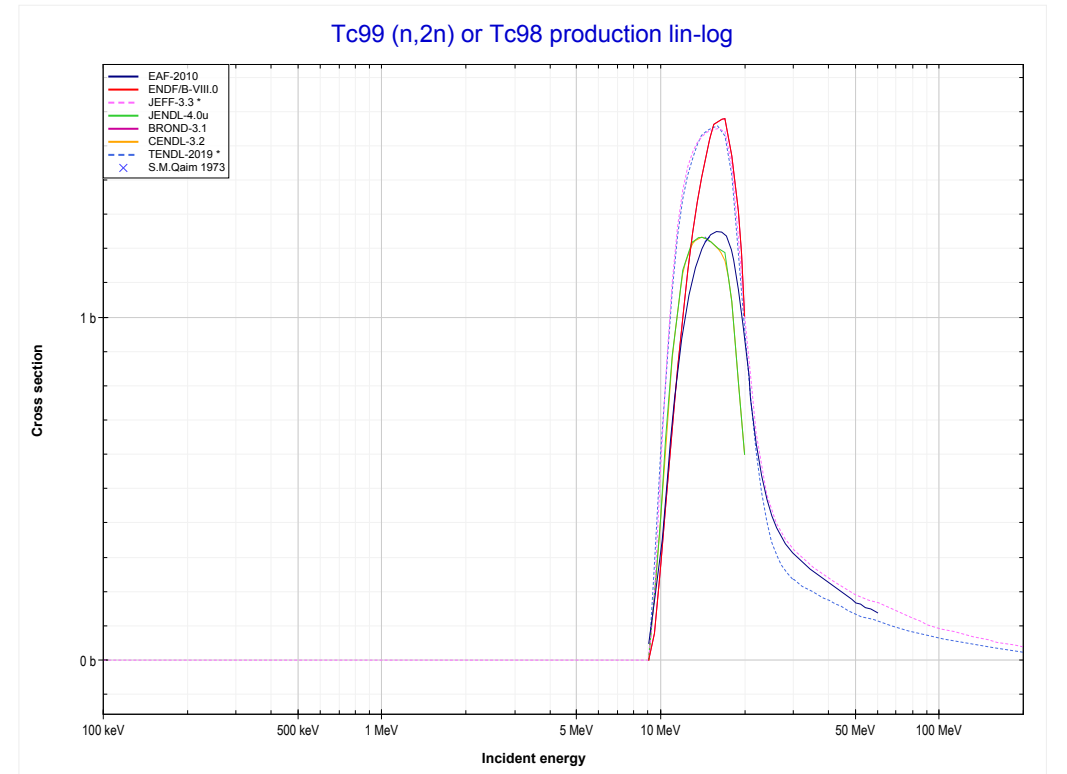
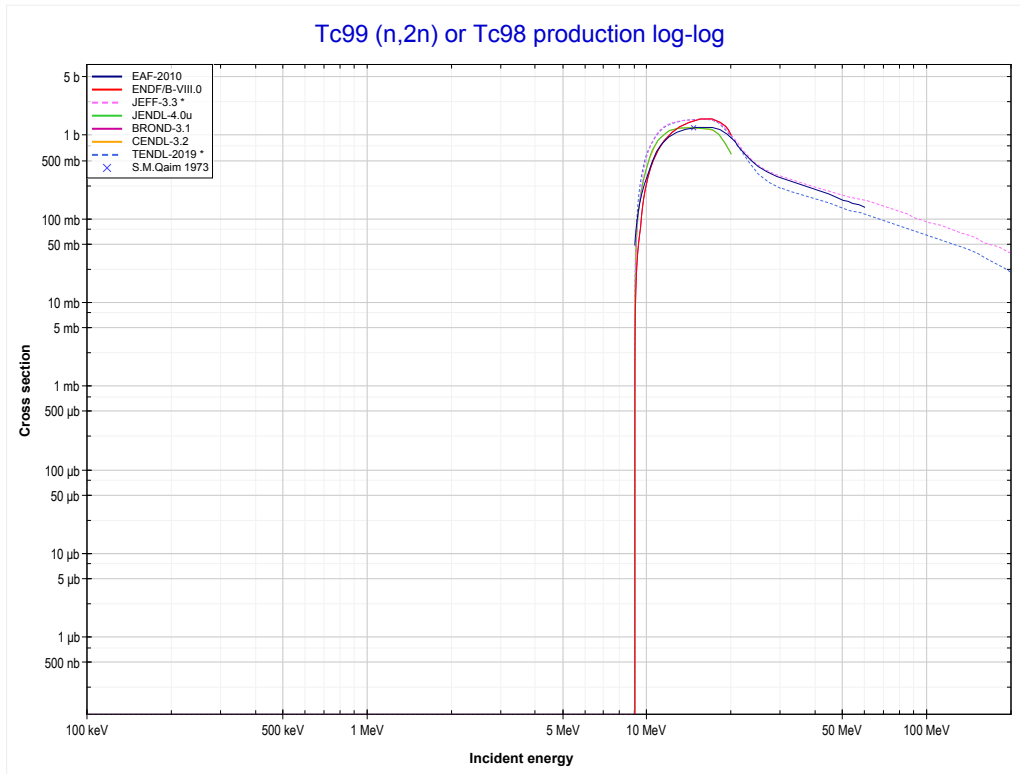
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.75345 b | 5.75345 b | 6.4881 b | 1.12768 | 98.3945 b | 4.2987 b | 2.02212 b |
| JEFF-3.3 | 5.49378 b | 5.49378 b | 6.1953 b | 1.12769 | 95.2661 b | 4.15562 b | 2.2576 b |
| JENDL-4.0u | 4.65617 b | 4.65617 b | 5.25 b | 1.12753 | 84.8603 b | 4.47581 b | 2.17837 b |
| BROND-3.1 | 5.75345 b | 5.75345 b | 6.4881 b | 1.12768 | 98.3945 b | 4.2987 b | 2.02212 b |
| CENDL-3.2 | 3.43955 b | 3.43955 b | 3.8789 b | 1.12773 | 74.7944 b | 4.08759 b | 2.31731 b |
| TENDL-2019 | 5.93637 b | 5.93637 b | 6.6948 b | 1.12776 | 98.4134 b | 4.37265 b | 2.27011 b |

| | | |
|--------------------|--|----------------|
| << 42-Mo-94 | 43-Tc-99 | 45-Rh-103 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Tc99 production) | MT16 (n,2n) >> |



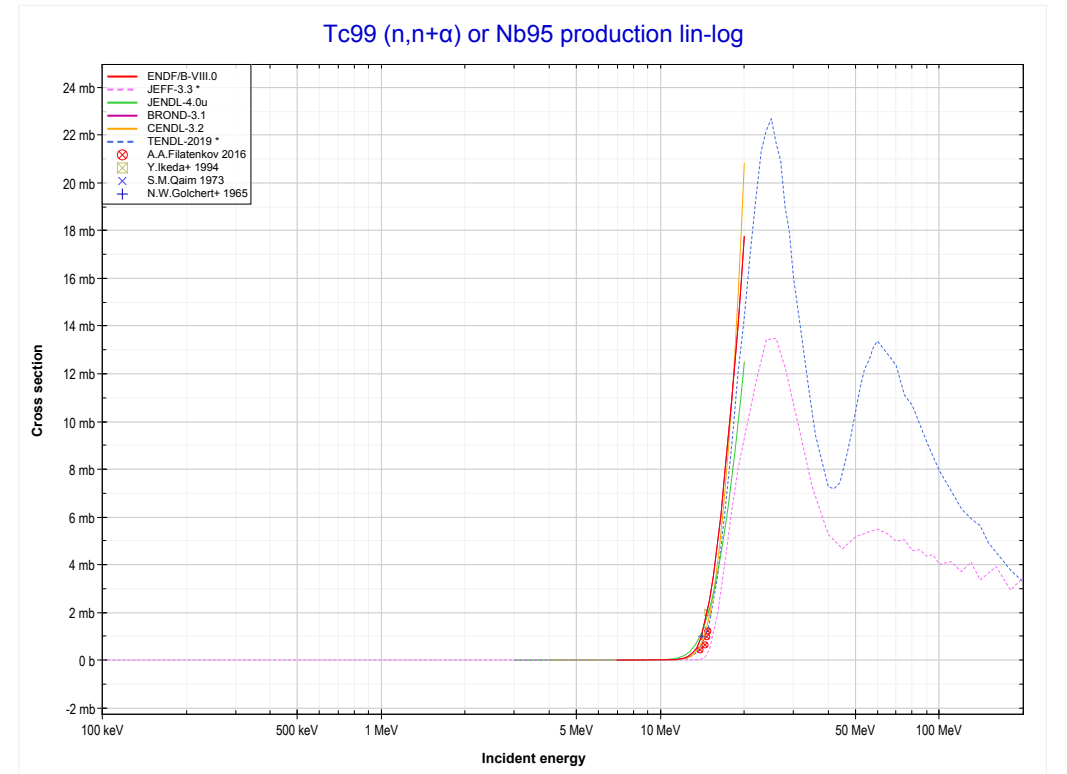
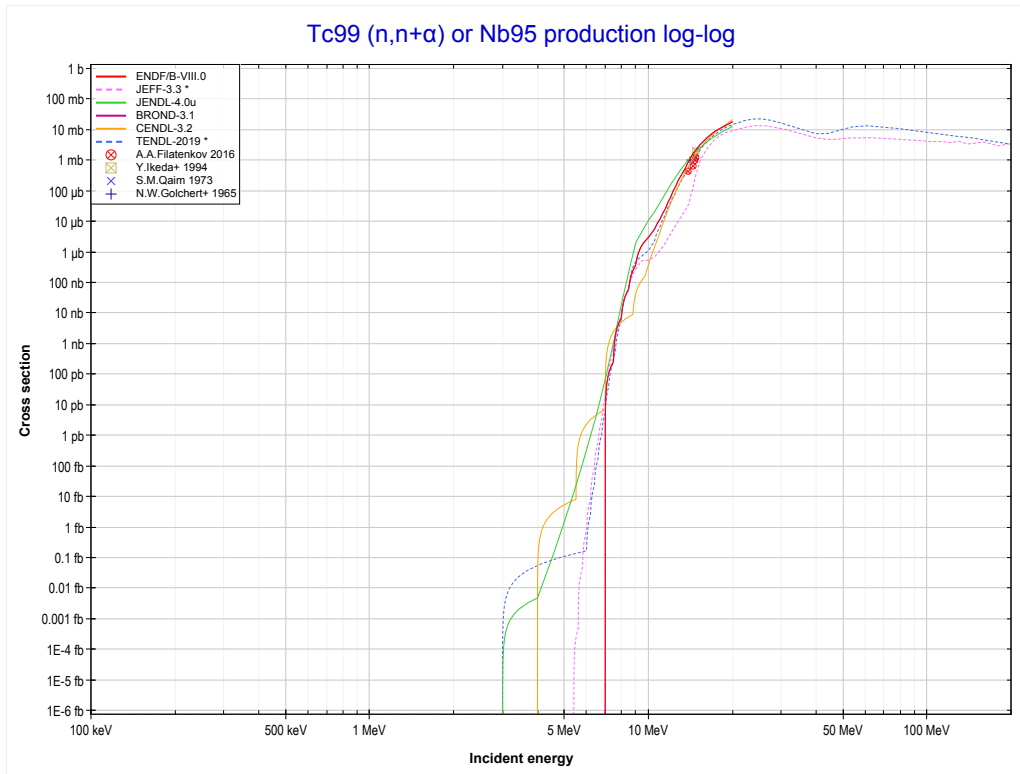
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74115 b | 0.678631 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6571 b | 0.391306 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.43013 b | 0.721053 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74115 b | 0.678631 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47127 b | 0.601896 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.66533 b | 0.349148 b |

| | | |
|---------------|---|-----------------|
| << 42-Mo-100 | 43-Tc-99 | 44-Ru-96 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Tc98 production) | MT22 (n,n+α) >> |



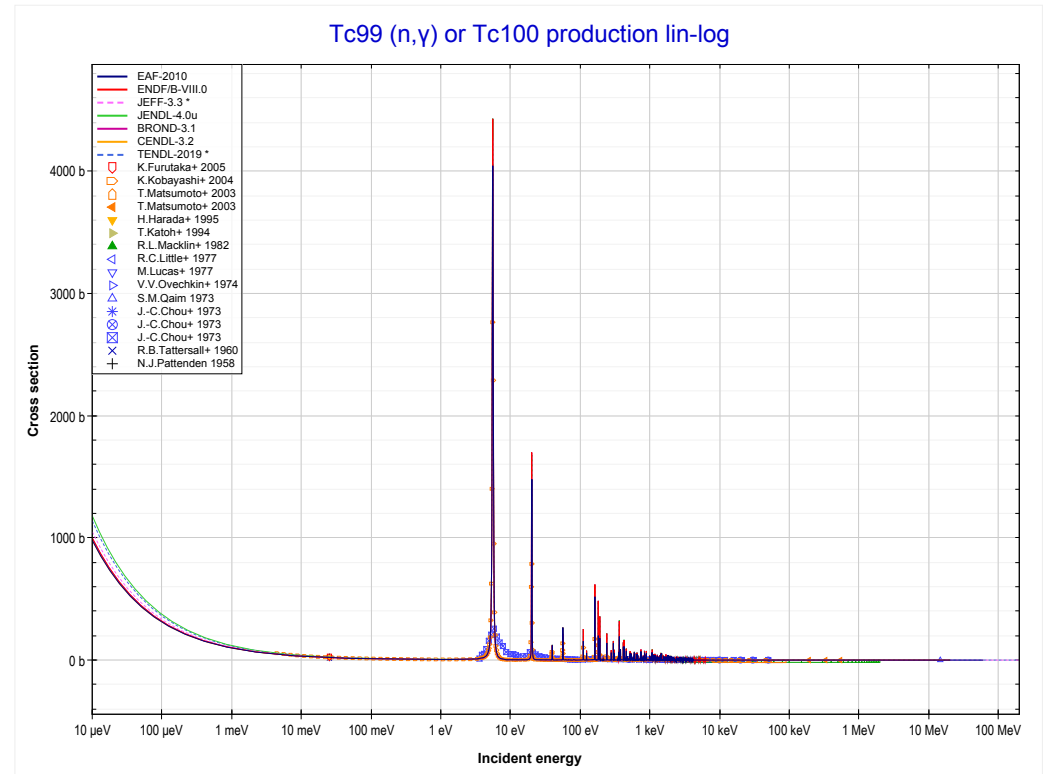
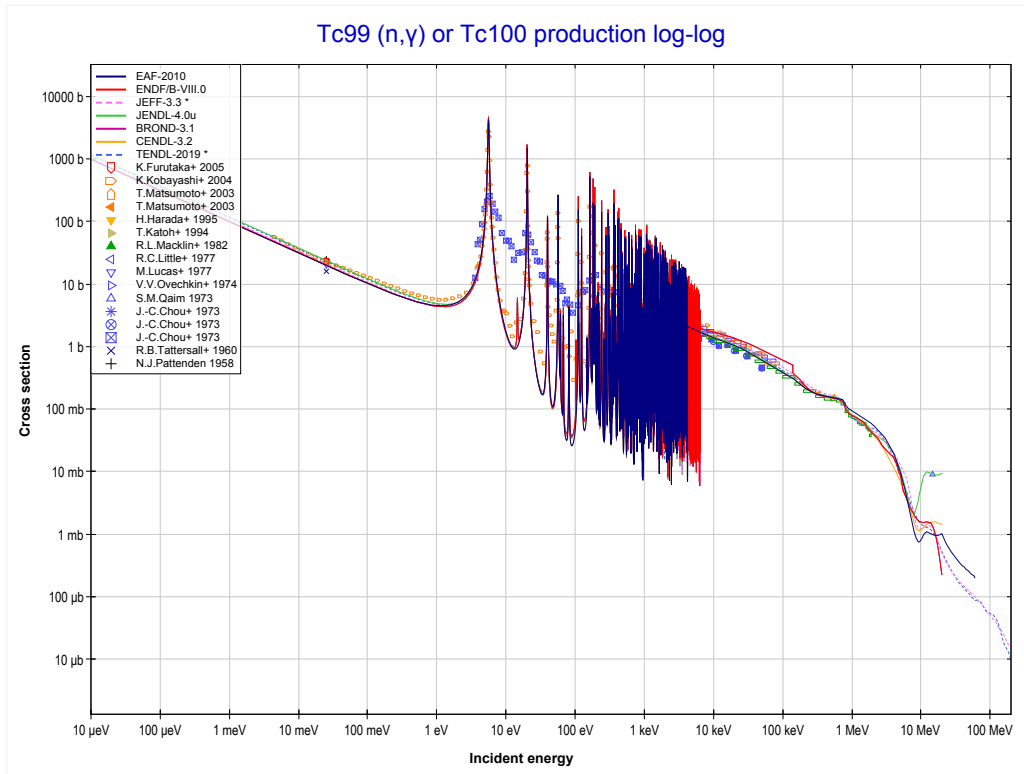
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00167153 b | 1.19532 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00165267 b | 1.40418 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00253843 b | 1.52545 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00205411 b | 1.23313 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00165267 b | 1.40418 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00202706 b | 1.23384 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00261575 b | 1.52994 b |

| | | |
|----------------|--|----------------|
| << 42-Mo-92 | 43-Tc-99 | 45-Rh-103 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Nb95 production) | MT102 (n,γ) >> |



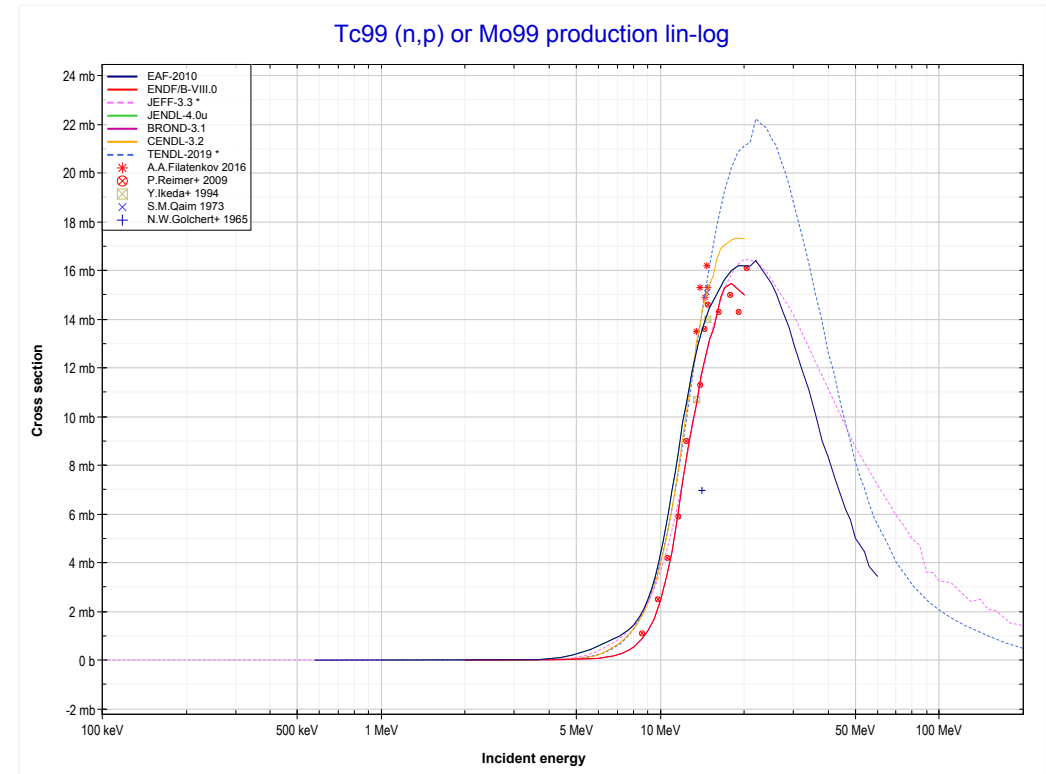
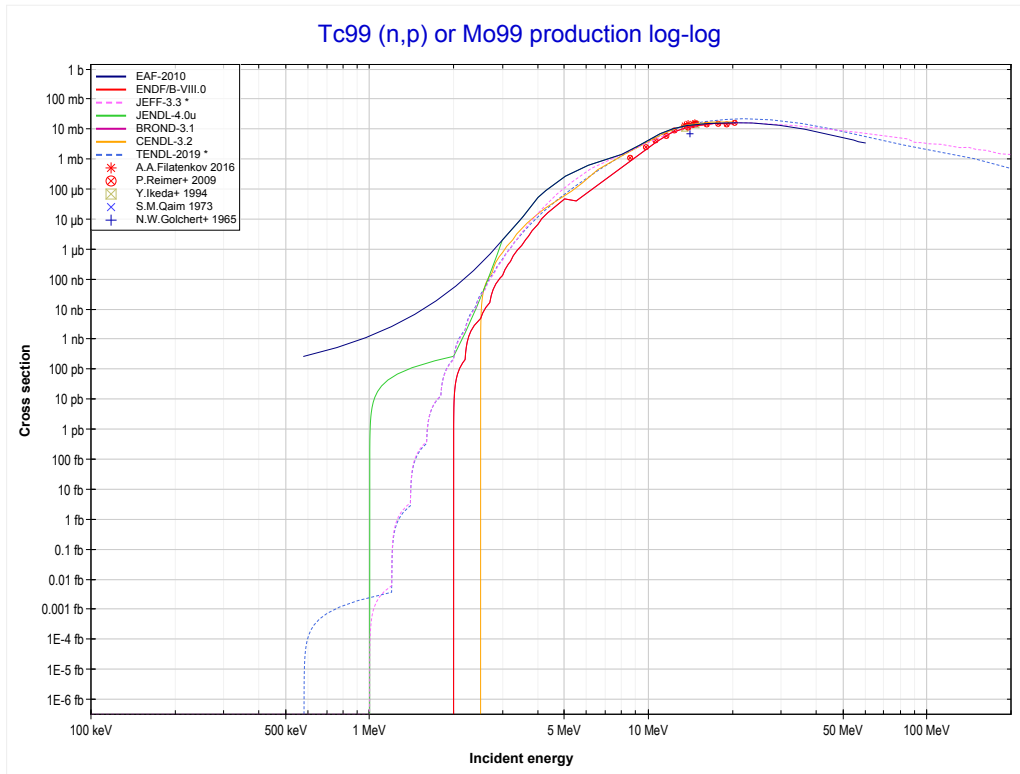
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.44945E-7 b | 9.46487E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.65717E-7 b | 3.71961E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.56086E-7 b | 0.00110144 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.44945E-7 b | 9.46487E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38797E-7 b | 6.87122E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85356E-7 b | 6.04966E-4 b |

| | | |
|-----------------|--|----------------|
| << 43-Tc-98 | 43-Tc-99 | 44-Ru-96 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Tc100 production) | MT103 (n,p) >> |



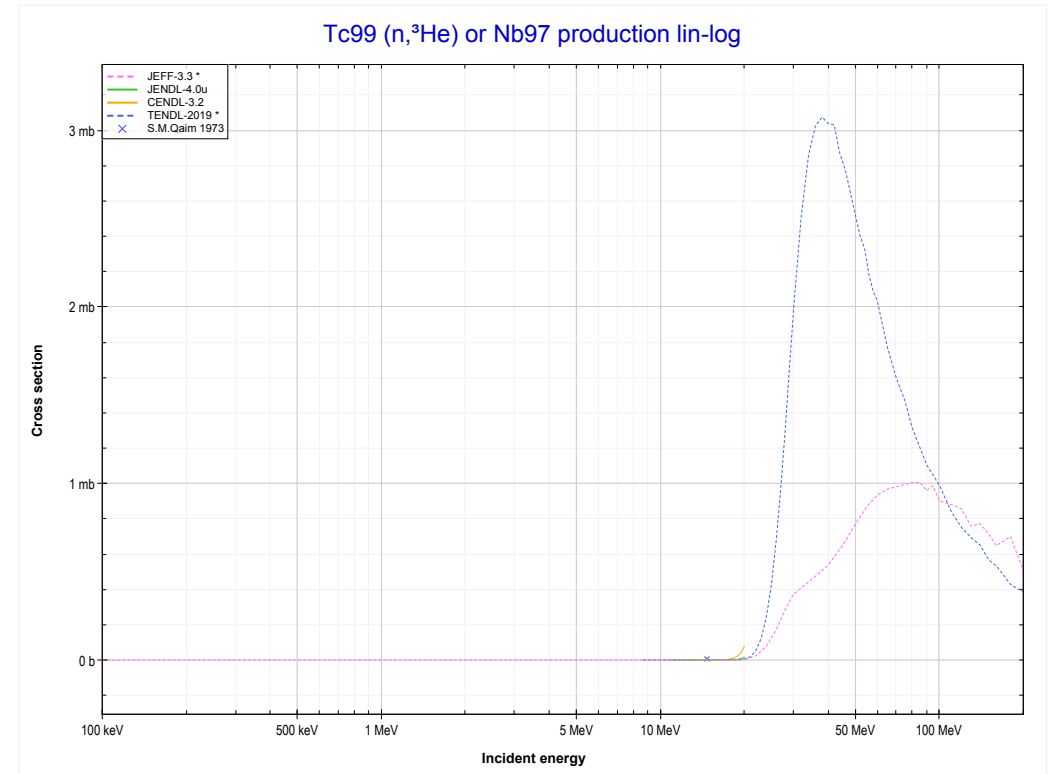
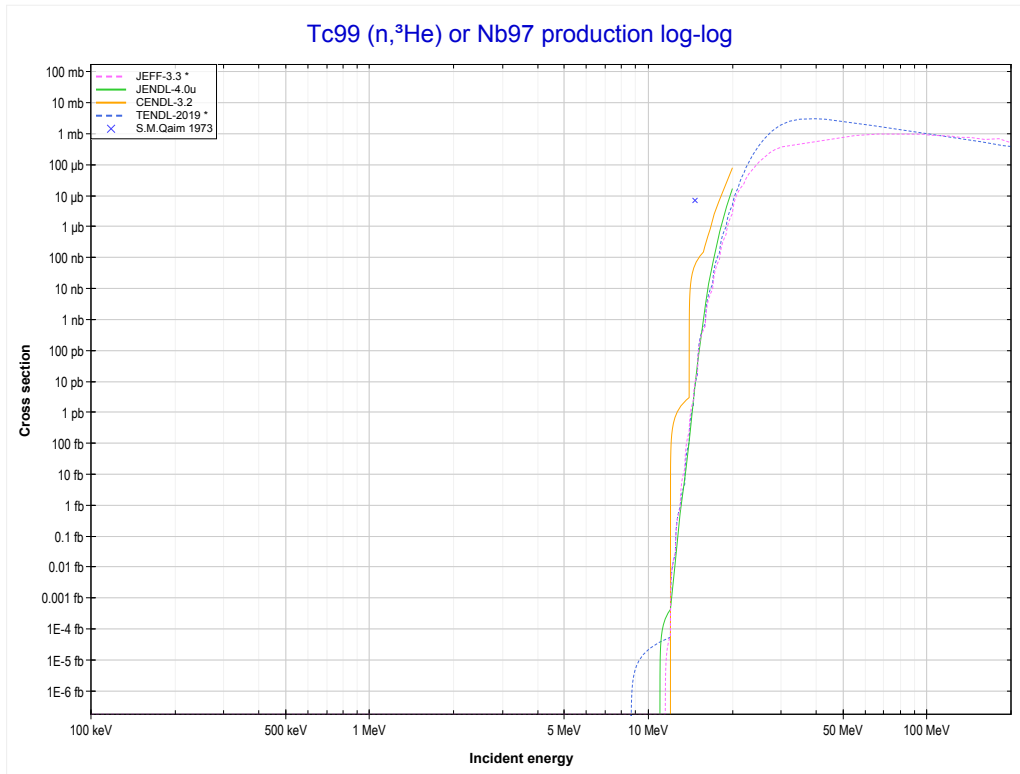
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 19.6616 b | 19.6471 b | 19.73 b | 1.00424 | 311.115 b | 0.0890815 b | 0.00100681 b |
| ENDF/B-VIII.0 | 20.0098 b | 20.0098 b | 20.092 b | 1.00409 | 322.539 b | 0.0869818 b | 0.00149039 b |
| JEFF-3.3 | 21.004 b | 21.004 b | 21.079 b | 1.00358 | 312.547 b | 0.0884253 b | 0.0013378 b |
| JENDL-4.0u | 23.6038 b | 23.6038 b | 23.679 b | 1.00319 | 323.388 b | 0.0839997 b | 0.00925502 b |
| BROND-3.1 | 20.0098 b | 20.0098 b | 20.092 b | 1.00409 | 322.539 b | 0.0869818 b | 0.00149039 b |
| CENDL-3.2 | 19.6434 b | 19.6434 b | 19.73 b | 1.00443 | 311.114 b | 0.0794542 b | 0.00153688 b |
| TENDL-2019 | 22.7987 b | 22.7987 b | 22.871 b | 1.00318 | 323.267 b | 0.0843651 b | 0.00116638 b |

| | | |
|-------------------------|---|------------------------------|
| << 42-Mo-100 | 43-Tc-99 | 44-Ru-96 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Mo99 production) | MT106 (n, ^3He) >> |



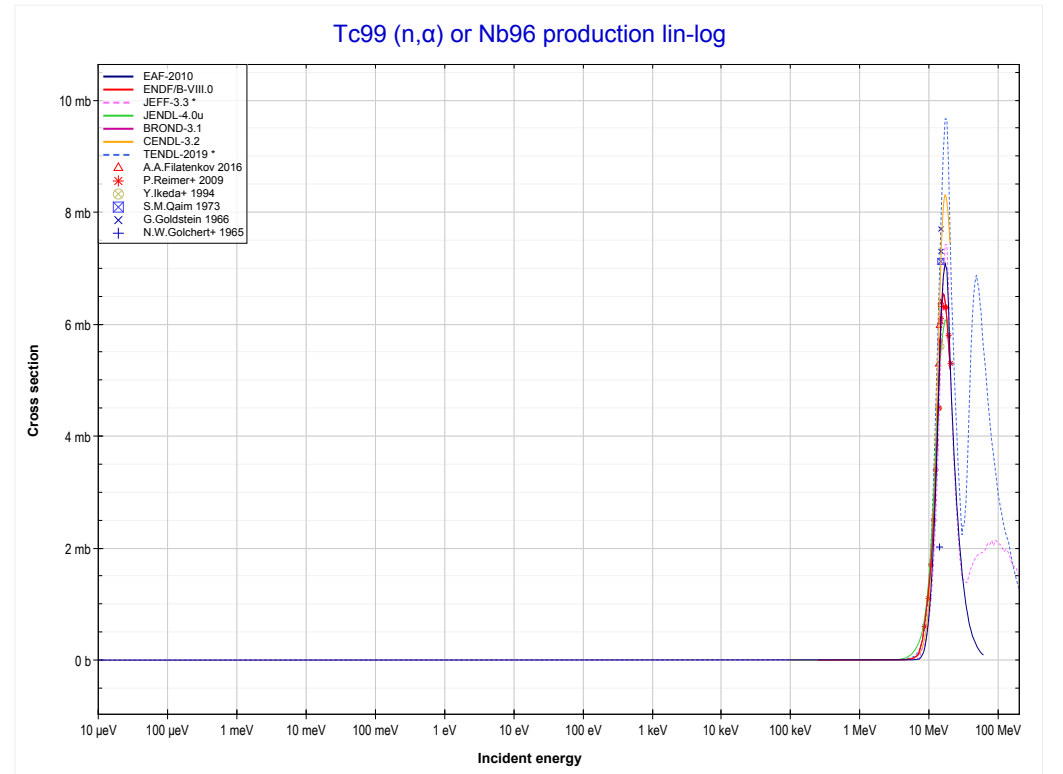
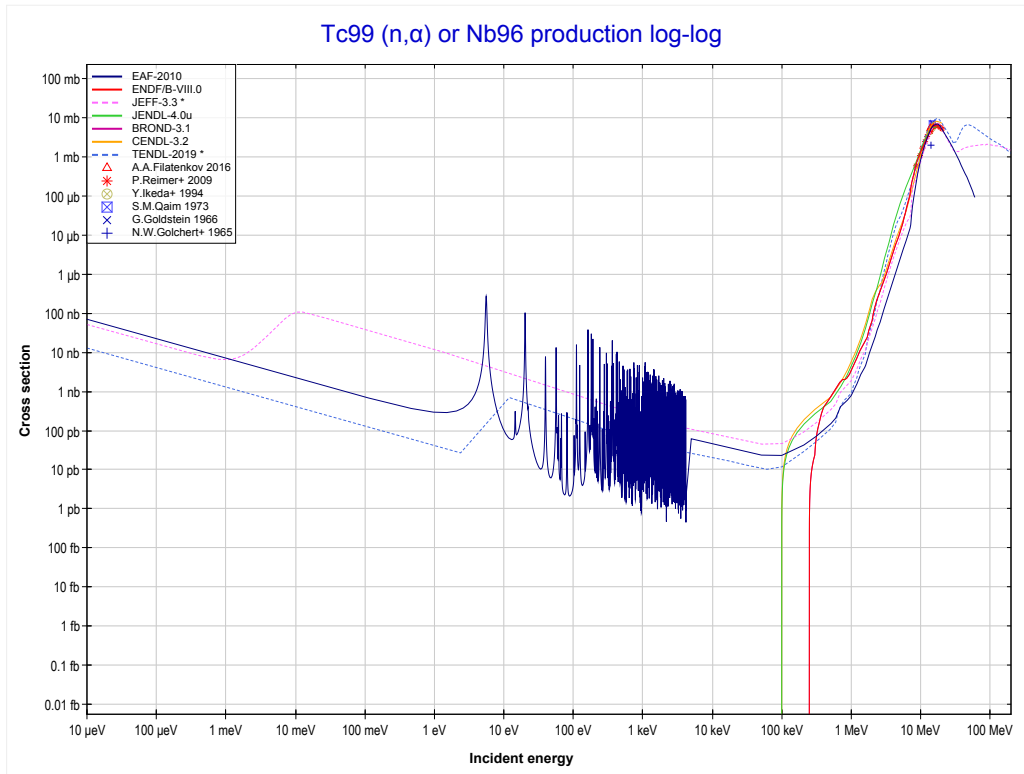
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.83333E-5 b | 0.013412 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.45554E-5 b | 0.0116728 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.12743E-5 b | 0.0114649 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.8271E-5 b | 0.013412 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.45554E-5 b | 0.0116728 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50569E-5 b | 0.0140293 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.53616E-5 b | 0.0140552 b |

| | | |
|----------------|--|----------------|
| << 41-Nb-93 | 43-Tc-99 | 45-Rh-103 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Nb97 production) | MT107 (n,α) >> |



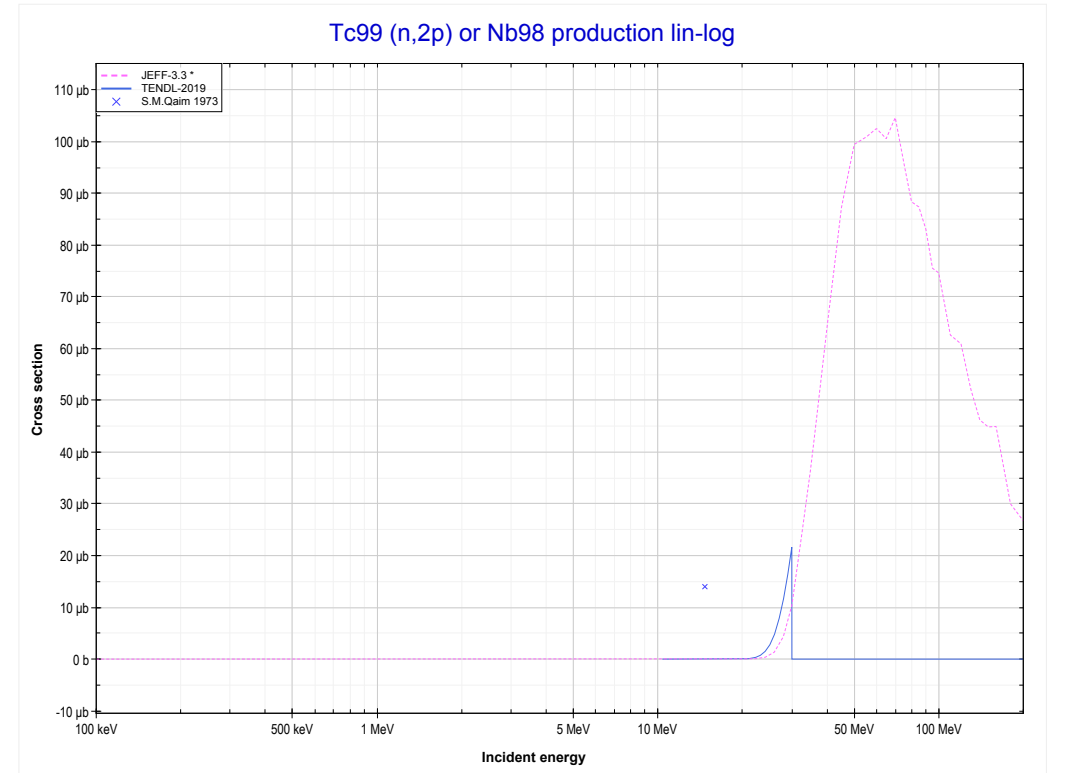
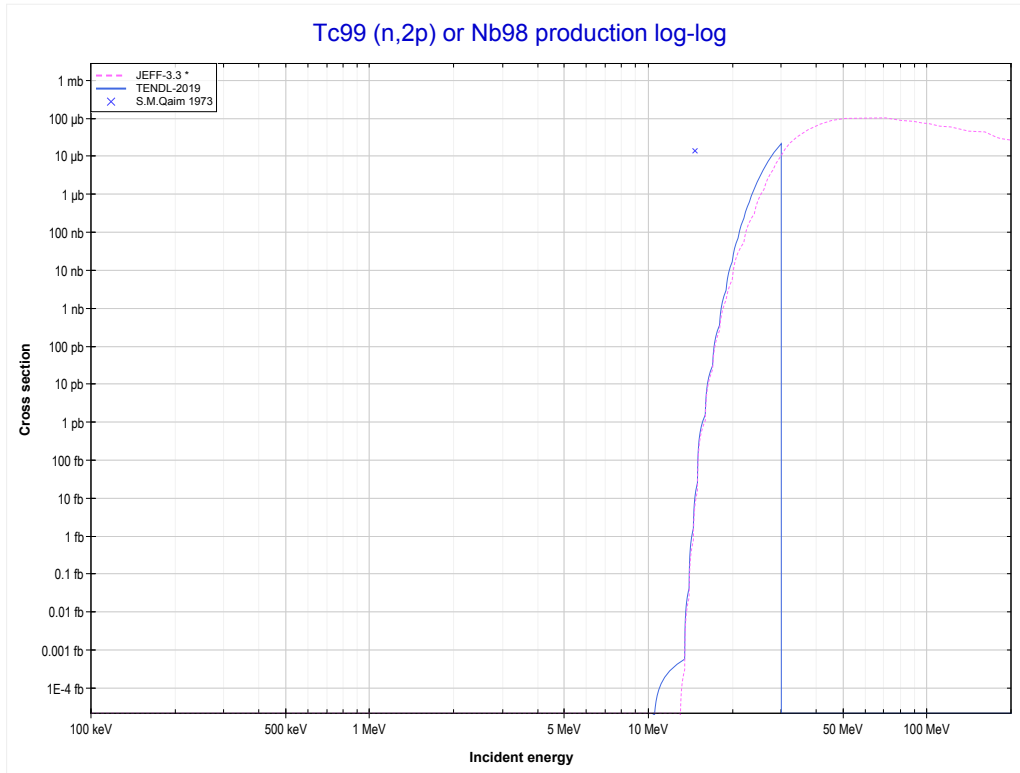
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.92979E-12 b | 2.2894E-13 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.15828E-11 b | 1.0782E-13 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64133E-10 b | 2.98507E-12 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.02203E-12 b | 1.048E-13 b |

| | | |
|-------------------------------|---|-----------------|
| << 42-Mo-100 | 43-Tc-99 | 44-Ru-96 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Nb96 production) | MT111 (n,2p) >> |



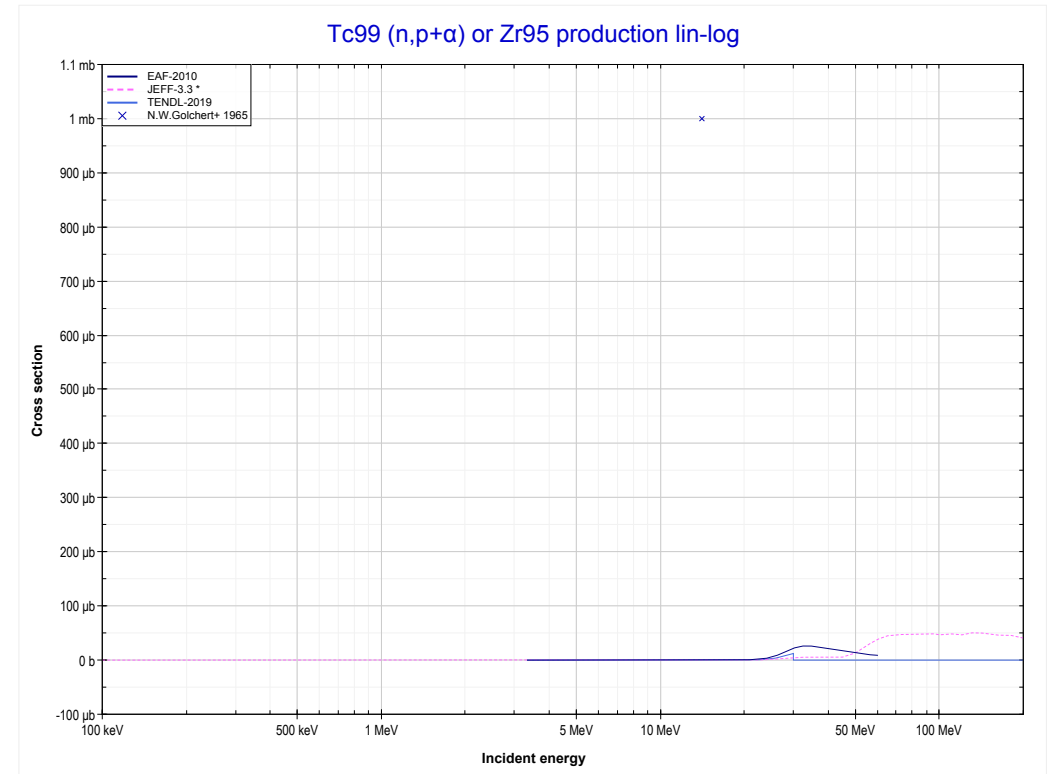
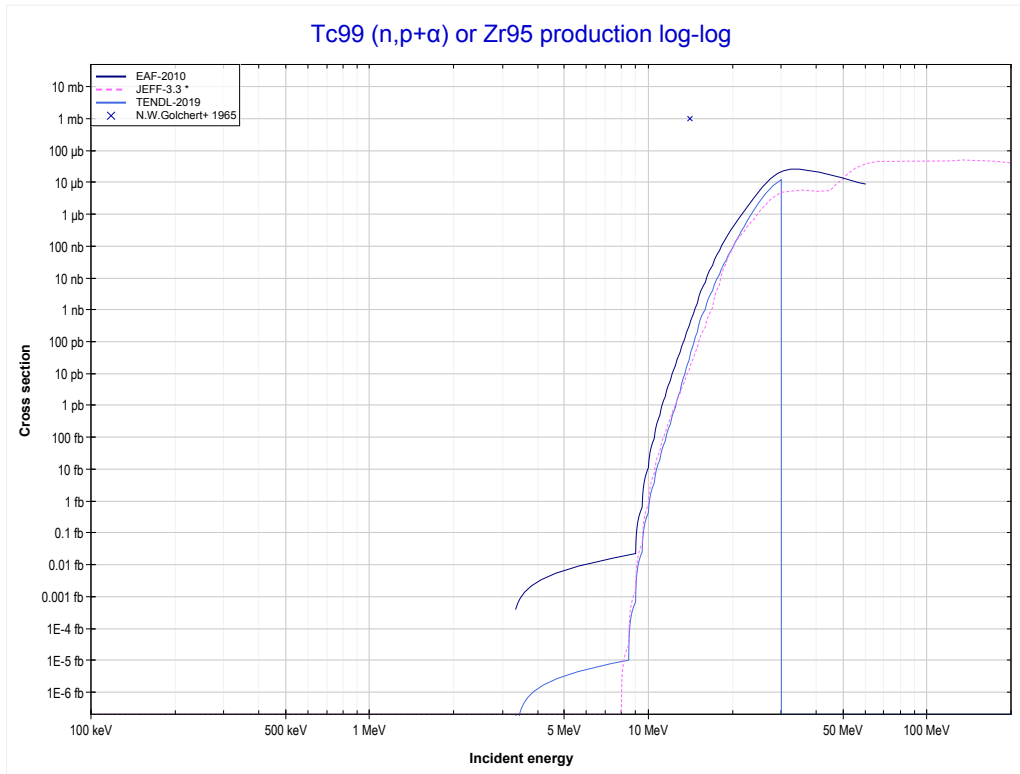
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.4199E-9 b | 1.41888E-9 b | 1.4232E-9 b | 1.00308 | 2.00456E-8 b | 6.69443E-6 b | 0.00516976 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31247E-5 b | 0.00522 b |
| JEFF-3.3 | 7.88208E-8 b | 7.88208E-8 b | 7.0866E-8 b | 0.89908 | 3.11873E-8 b | 7.47251E-6 b | 0.00443905 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 2.73073E-22 b | 2.2188E-5 b | 0.00508613 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31247E-5 b | 0.00522 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15604E-5 b | 0.00618877 b |
| TENDL-2019 | 2.5903E-10 b | 2.5903E-10 b | 2.5894E-10 b | 0.99964 | 1.61736E-9 b | 1.61984E-5 b | 0.00680743 b |

| | | |
|-------------------------|--|---------------------------|
| << 41-Nb-93 | 43-Tc-99 | 45-Rh-103 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Nb98 production) | MT112 (n,p+ α) >> |



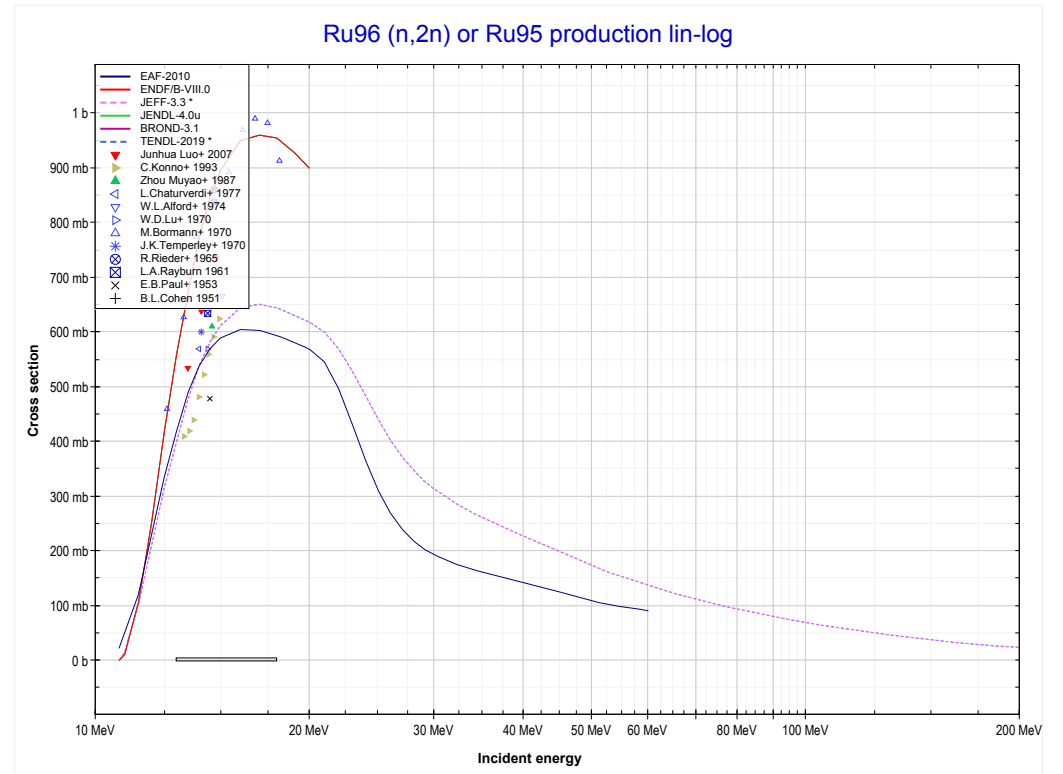
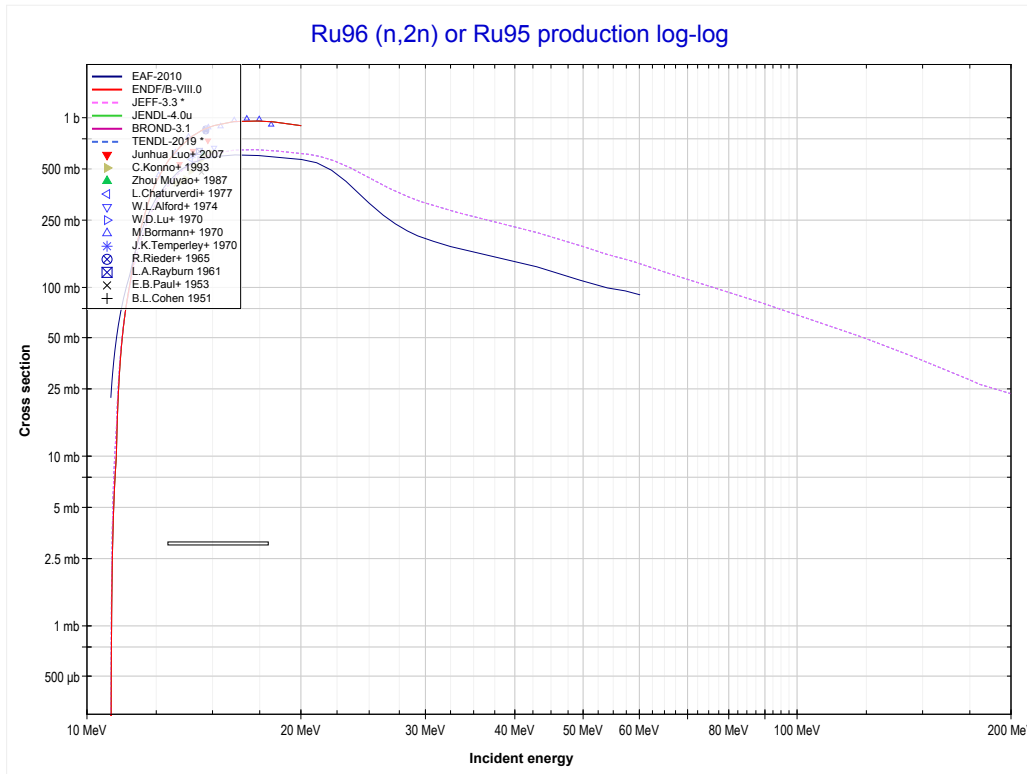
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01698E-14 b | 2.43553E-17 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.25377E-14 b | 4.2306E-17 b |

| | | |
|-----------------|---|-------------------------|
| << 29-Cu-63 | 43-Tc-99 | |
| << MT111 (n,2p) | MT112 (n,p+α) or MT5 (Zr95 production) | 44-Ru-96 MT16 (n,2n) >> |



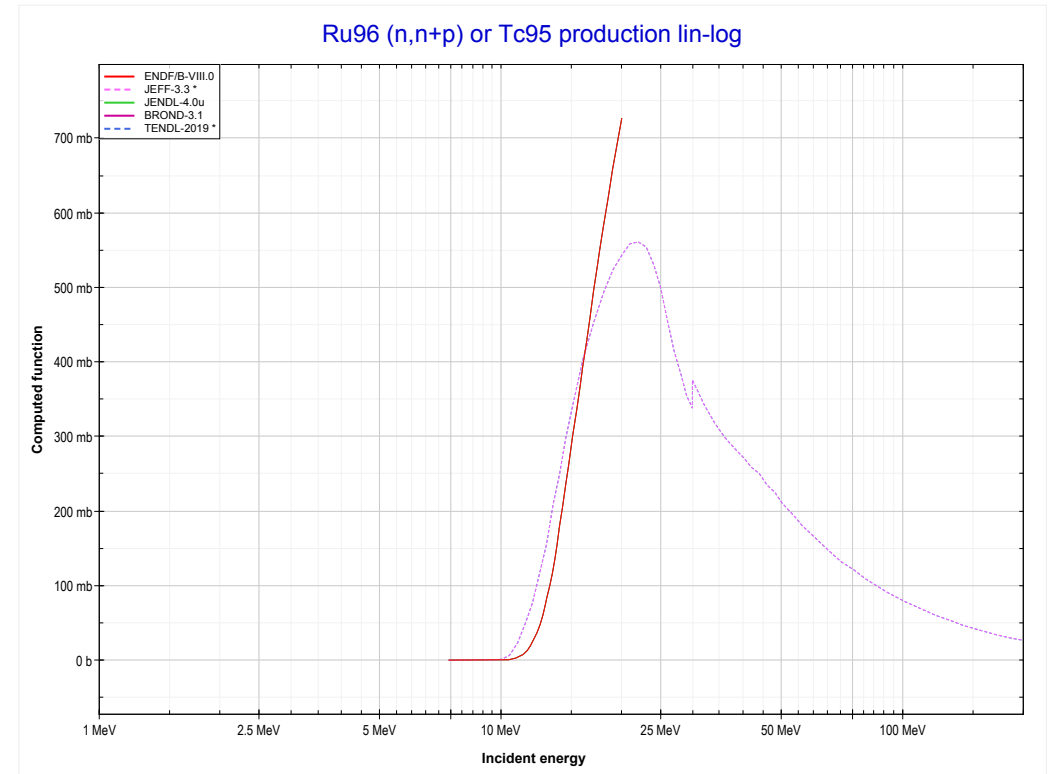
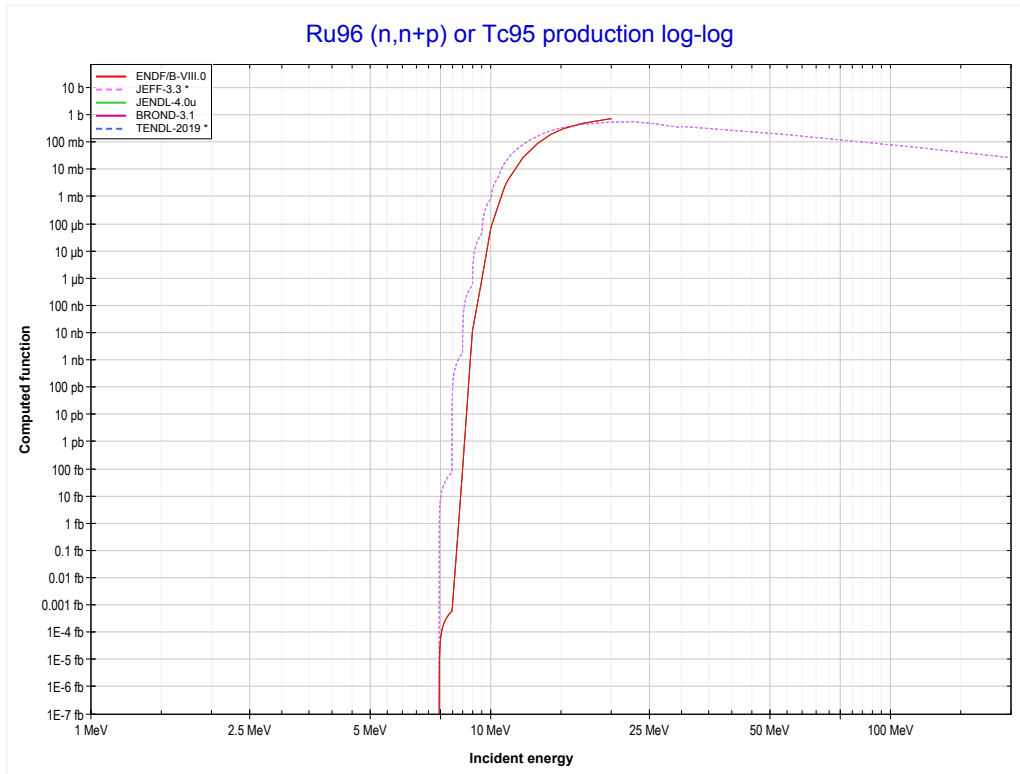
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.86434E-13 b | 1.30651E-11 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.93767E-13 b | 2.5949E-11 b |

| | | |
|---------------------------|---|-----------------|
| << 43-Tc-99 | 44-Ru-96 | 44-Ru-98 >> |
| << 43-Tc-99 MT112 (n,p+α) | MT16 (n,2n) or MT5 (Ru95 production) | MT28 (n,n+p) >> |



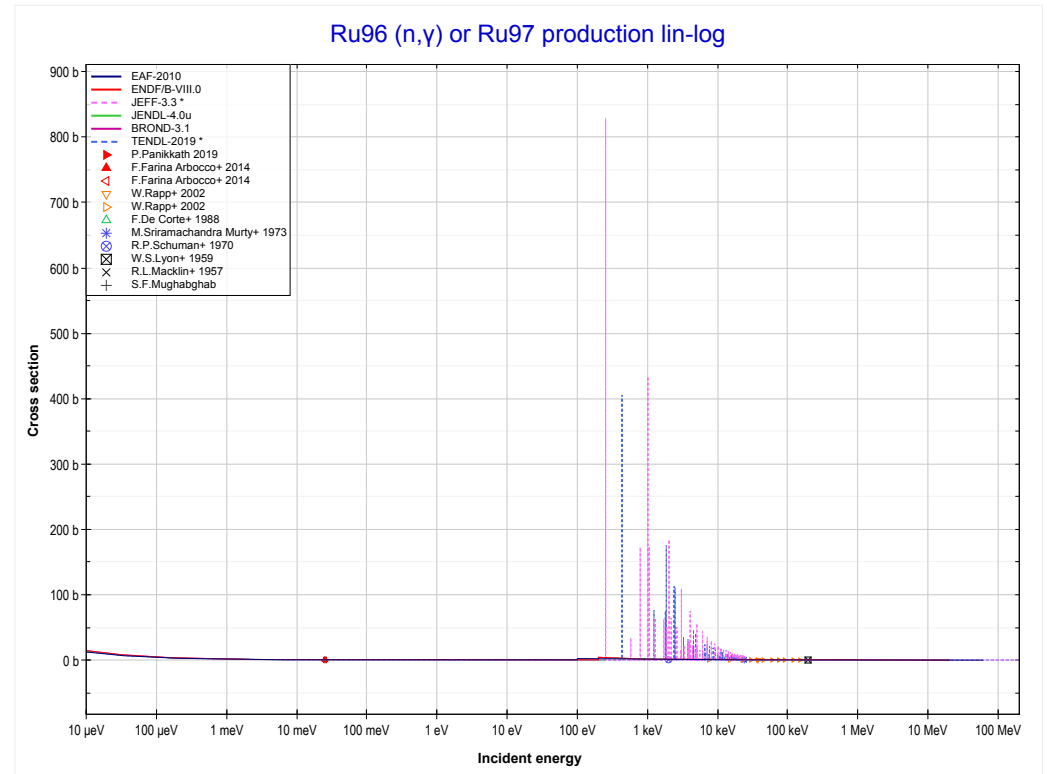
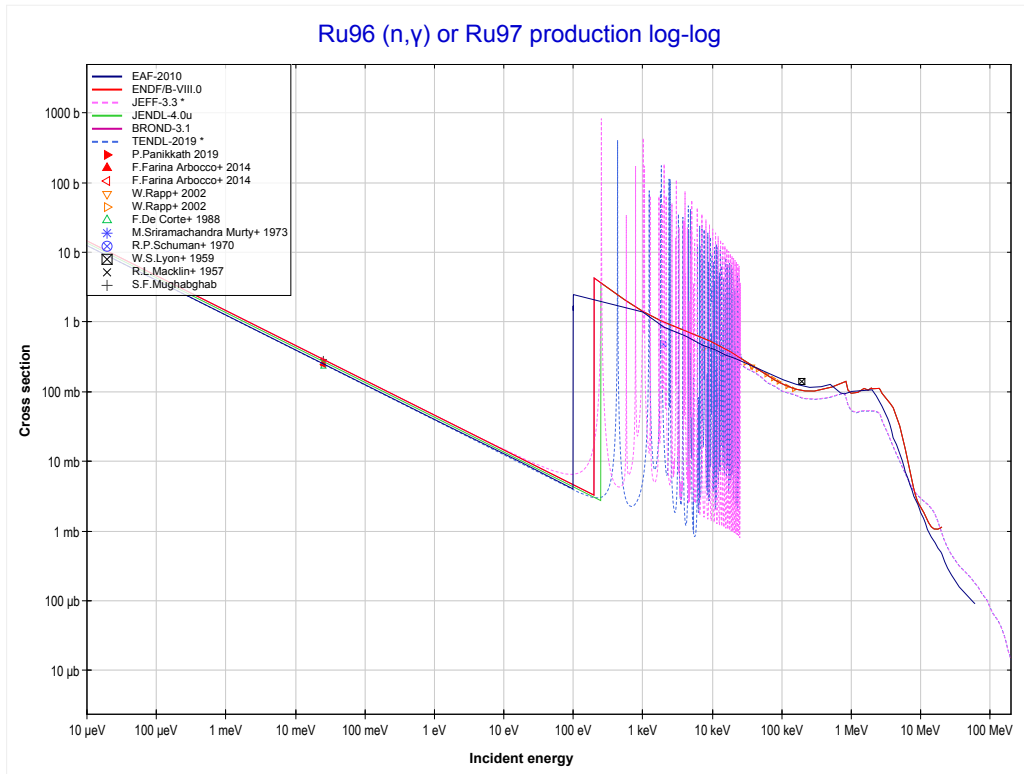
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63747E-4 b | 0.537537 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32572E-4 b | 0.77 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49547E-4 b | 0.537402 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.32572E-4 b | 0.77 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32572E-4 b | 0.77 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49728E-4 b | 0.537971 b |

| | | |
|----------------|--|-------------------------|
| << 42-Mo-98 | 44-Ru-96 | 44-Ru-102 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Tc95 production) | MT102 (n, γ) >> |



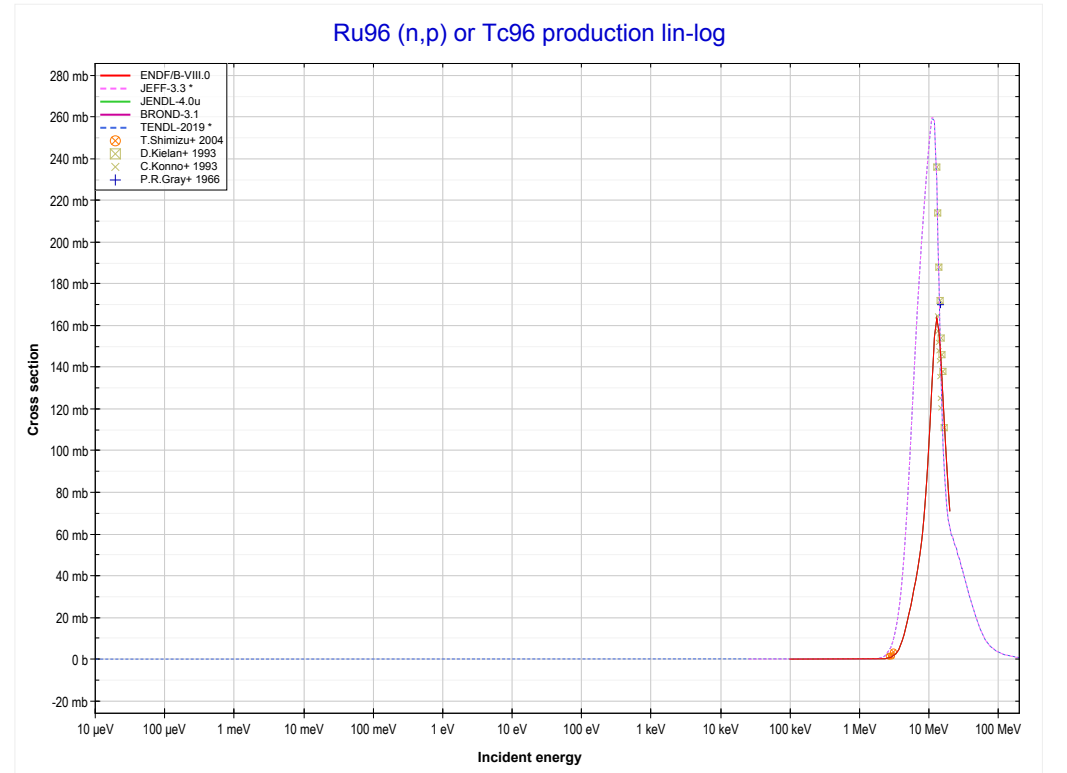
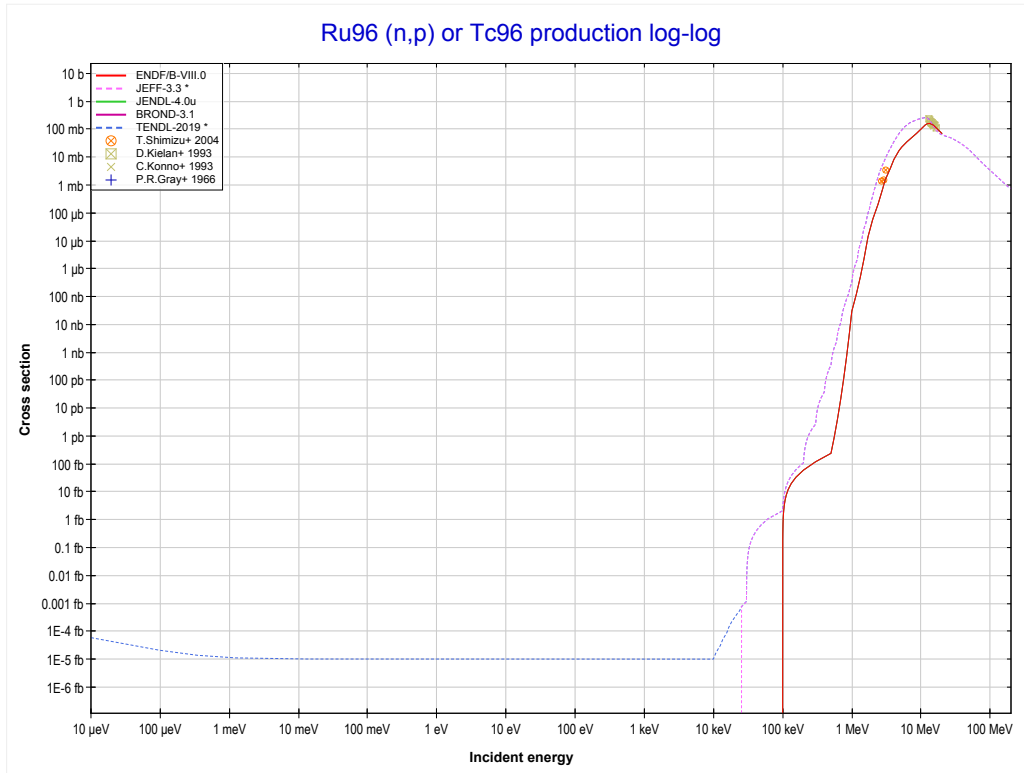
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.92795E-5 b | 0.179887 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23582E-4 b | 0.248658 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.92795E-5 b | 0.179887 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.92795E-5 b | 0.179887 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2419E-4 b | 0.249239 b |

| | | |
|-----------------|---|----------------|
| << 43-Tc-99 | 44-Ru-96 | 44-Ru-98 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ru97 production) | MT103 (n,p) >> |



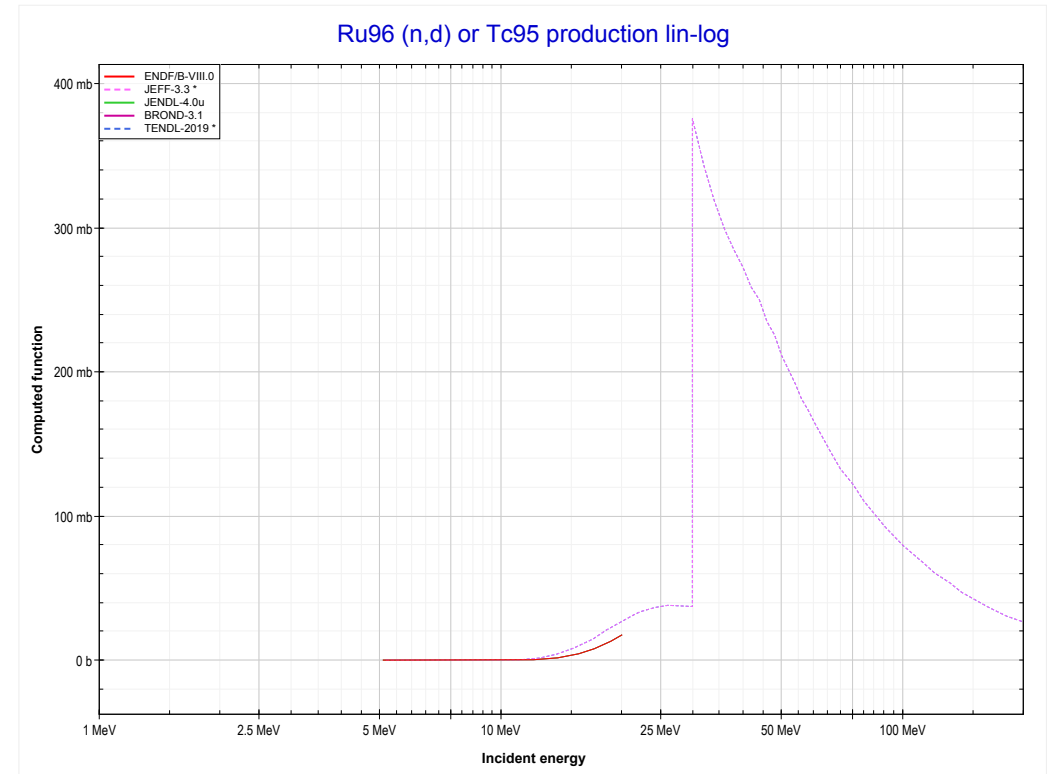
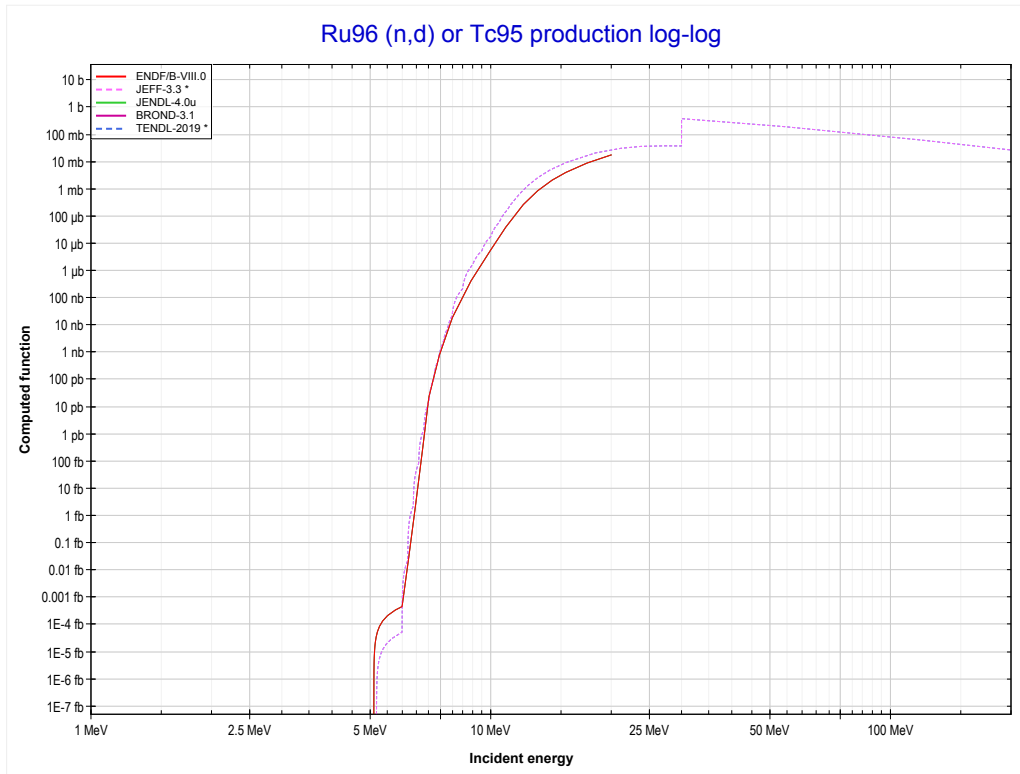
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.248851 b | 0.248665 b | 0.24889 b | 1.00091 | 6.79009 b | 0.0854184 b | 8.4E-4 b |
| ENDF/B-VIII.0 | 0.29009 b | 0.29009 b | 0.2902 b | 1.00039 | 6.87993 b | 0.0977934 b | 0.00117109 b |
| JEFF-3.3 | 0.288637 b | 0.288637 b | 0.28873 b | 1.00034 | 8.72971 b | 0.054343 b | 0.00217141 b |
| JENDL-4.0u | 0.271083 b | 0.271083 b | 0.27119 b | 1.00038 | 5.99411 b | 0.0977924 b | 0.00117109 b |
| BROND-3.1 | 0.29009 b | 0.29009 b | 0.2902 b | 1.00039 | 6.87993 b | 0.0977934 b | 0.00117109 b |
| TENDL-2019 | 0.248765 b | 0.248765 b | 0.24878 b | 1.00005 | 3.52976 b | 0.0537072 b | 0.00216423 b |

| | | |
|-------------------------|---|----------------|
| << 43-Tc-99 | 44-Ru-96 | 44-Ru-99 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc96 production) | MT104 (n,d) >> |



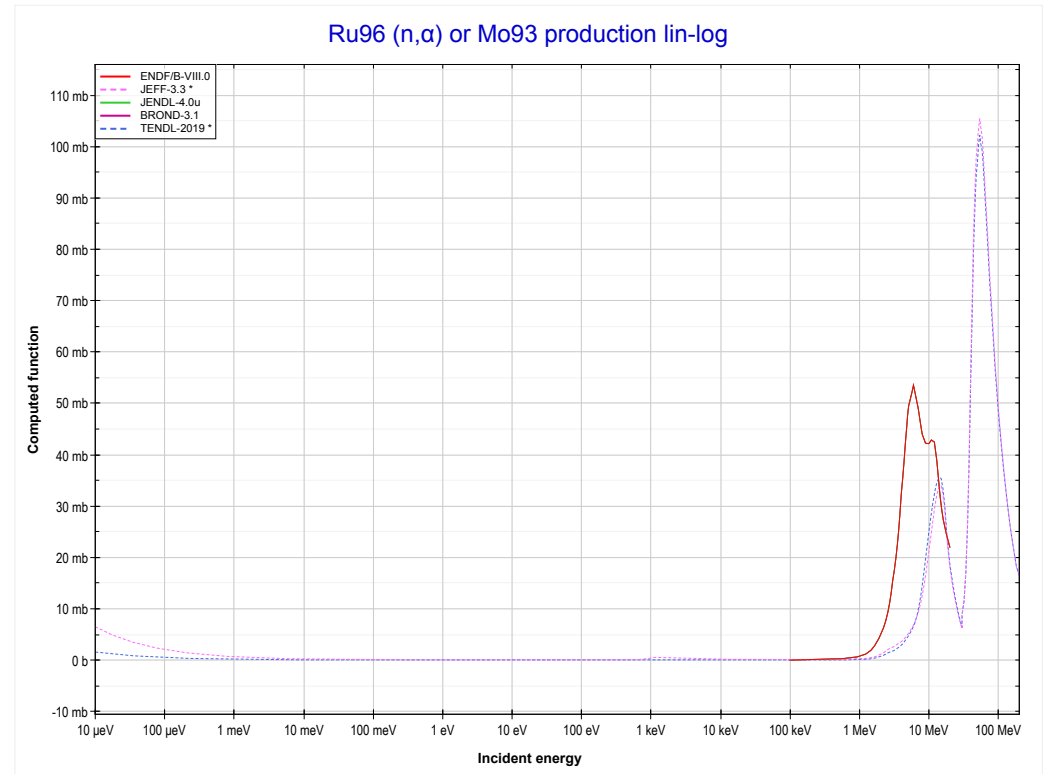
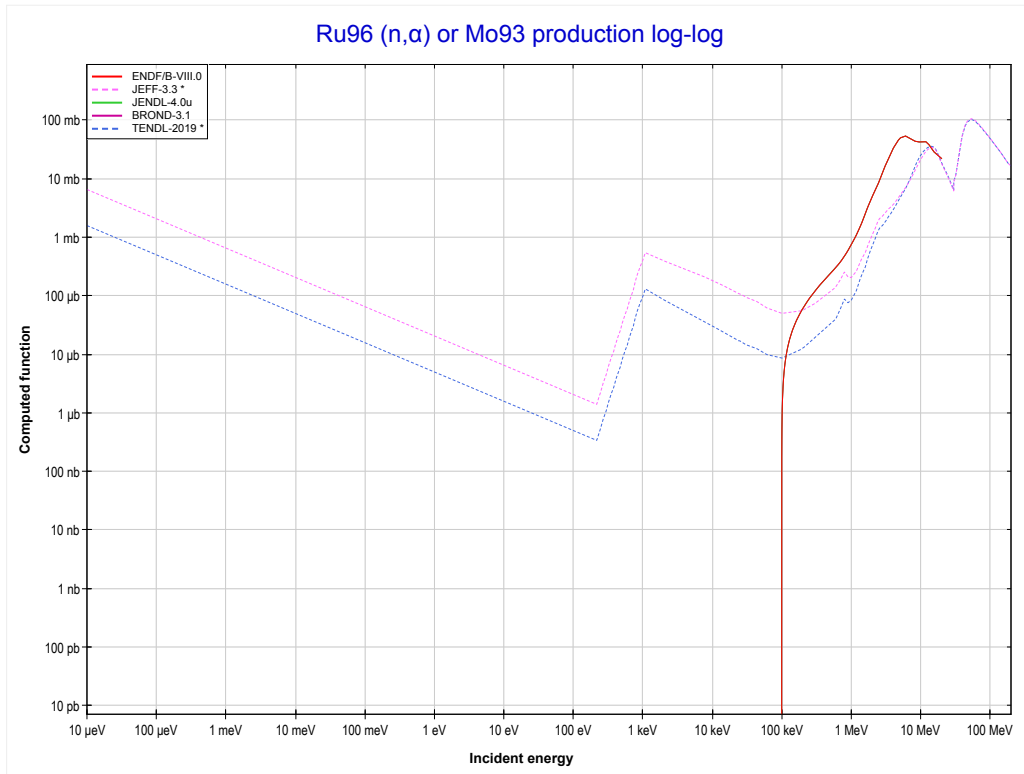
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.21866E-25 b | 0.00351553 b | 0.156772 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.09038E-15 b | 0.0138687 b | 0.180222 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00351553 b | 0.156772 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.21865E-25 b | 0.00351553 b | 0.156772 b |
| TENDL-2019 | 1.0053E-20 b | 1.0053E-20 b | 1.1344E-20 b | 1.1284 | 1.0955E-15 b | 0.0138669 b | 0.179993 b |

| | | |
|----------------|---|-------------------------|
| << 42-Mo-98 | 44-Ru-96 | 44-Ru-102 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tc95 production) | MT107 (n, α) >> |



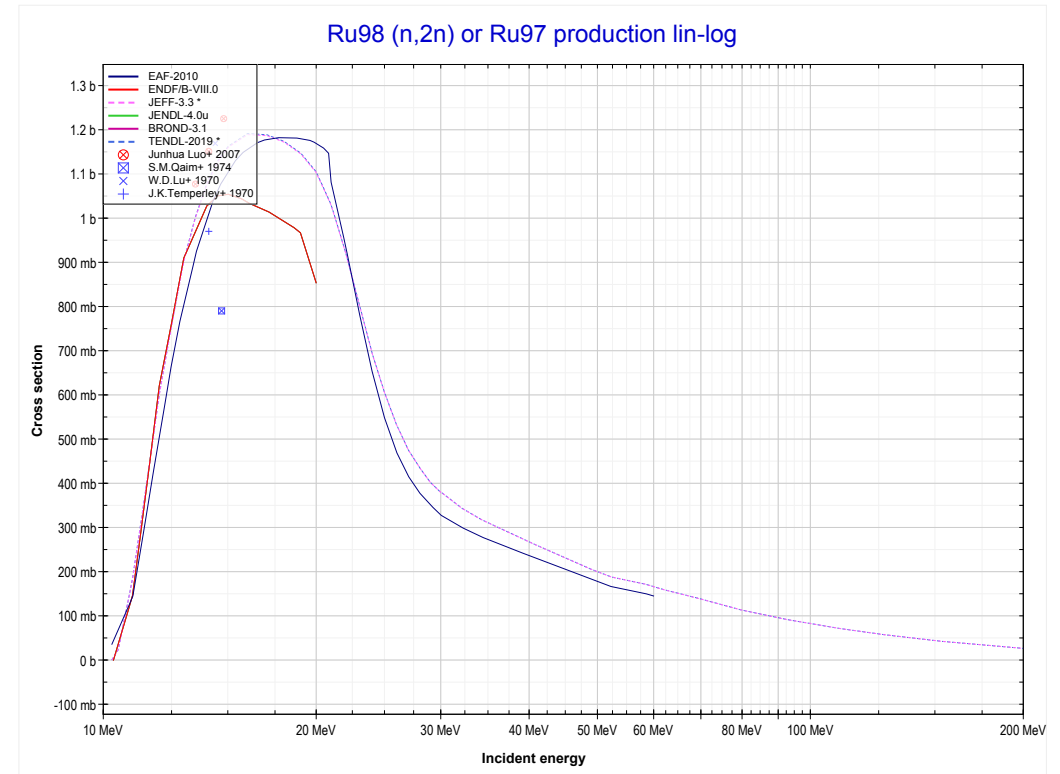
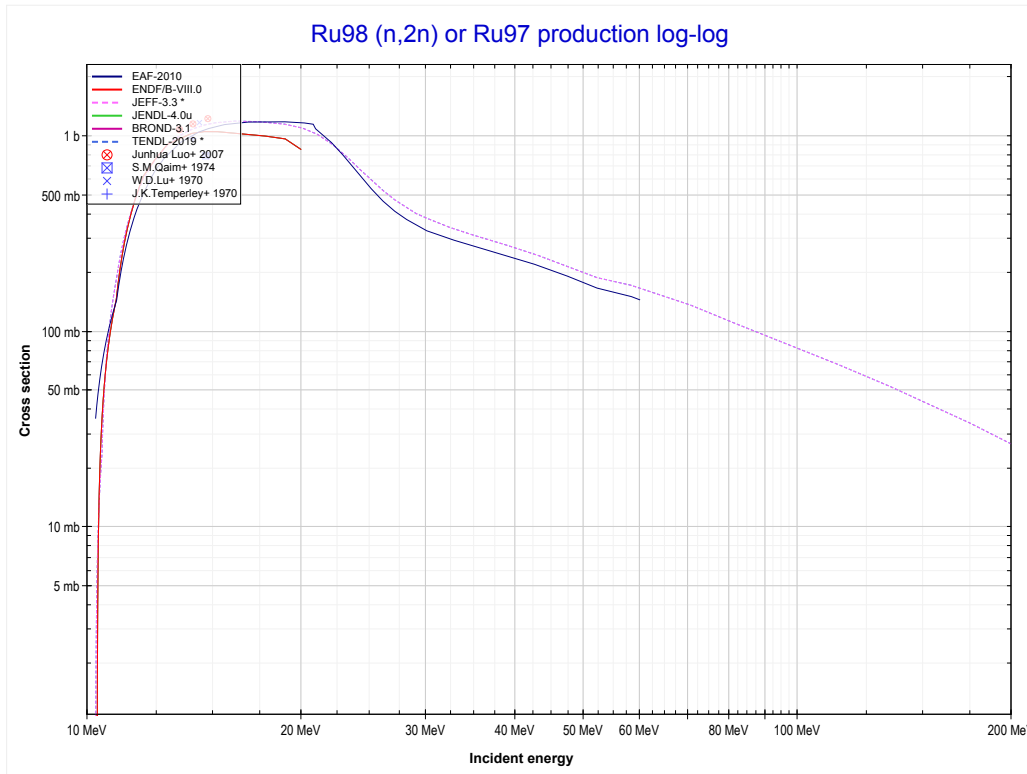
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.1276E-7 b | 0.0017705 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10874E-6 b | 0.00470052 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.1276E-7 b | 0.0017705 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.1276E-7 b | 0.0017705 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10849E-6 b | 0.00470036 b |

| | | |
|----------------|---|-------------------------|
| << 43-Tc-99 | 44-Ru-96 | 44-Ru-102 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mo93 production) | 44-Ru-98 MT16 (n,2n) >> |



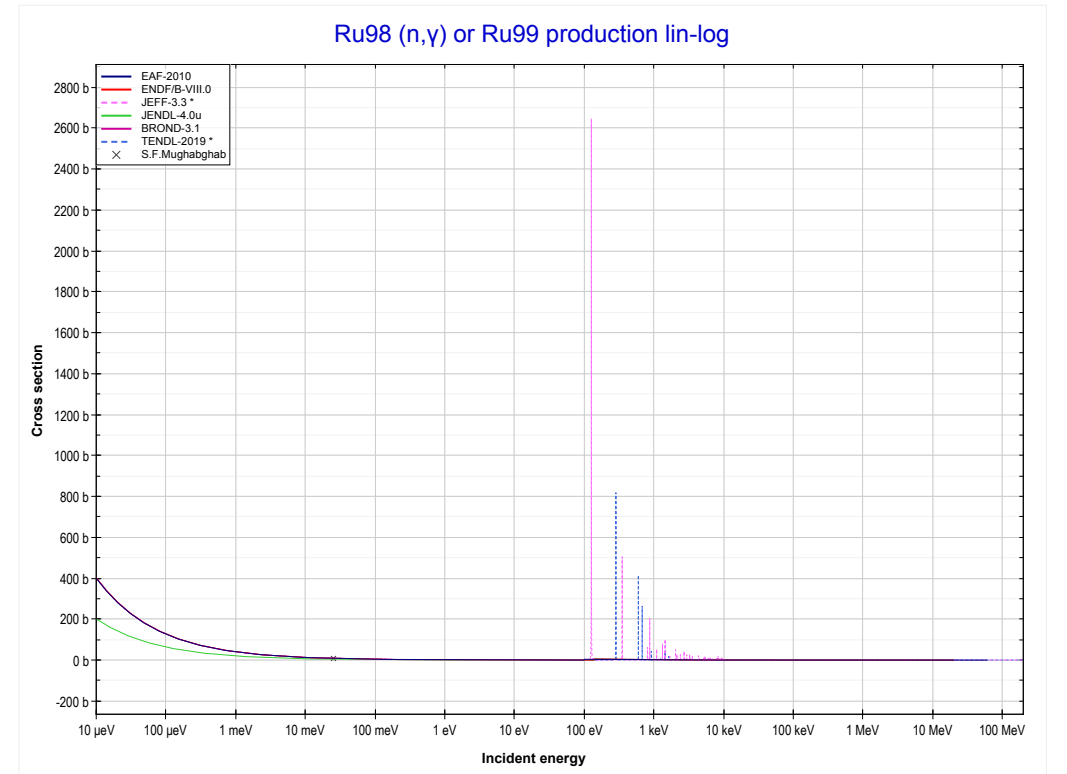
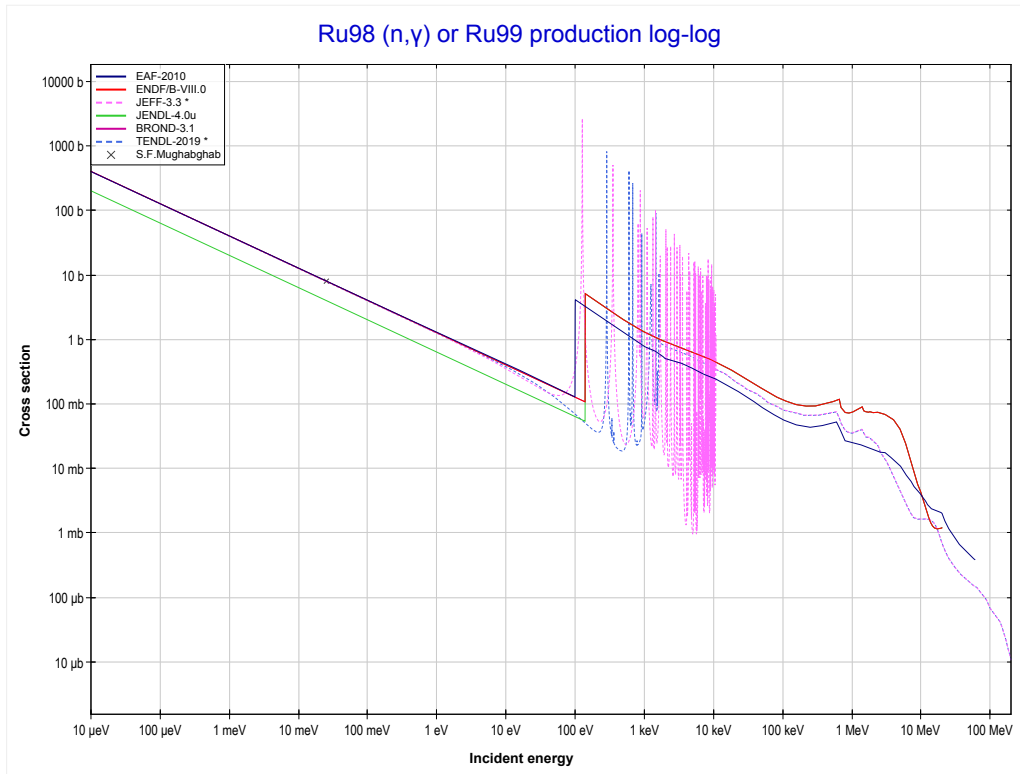
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.21882E-16 b | 0.00968086 b | 0.03404 b |
| JEFF-3.3 | 1.29184E-4 b | 1.29184E-4 b | 1.2922E-4 b | 1.00028 | 0.00117163 b | 0.00156777 b | 0.0337099 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00968086 b | 0.03404 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.21883E-16 b | 0.00968086 b | 0.03404 b |
| TENDL-2019 | 3.1399E-5 b | 3.1399E-5 b | 3.1384E-5 b | 0.99952 | 2.38093E-4 b | 0.00128096 b | 0.035466 b |

| | | |
|----------------------------------|---|-------------------------|
| << 44-Ru-96 | 44-Ru-98 | 44-Ru-104 >> |
| << 44-Ru-96 MT107 (n, α) | MT16 (n,2n) or MT5 (Ru97 production) | MT102 (n, γ) >> |



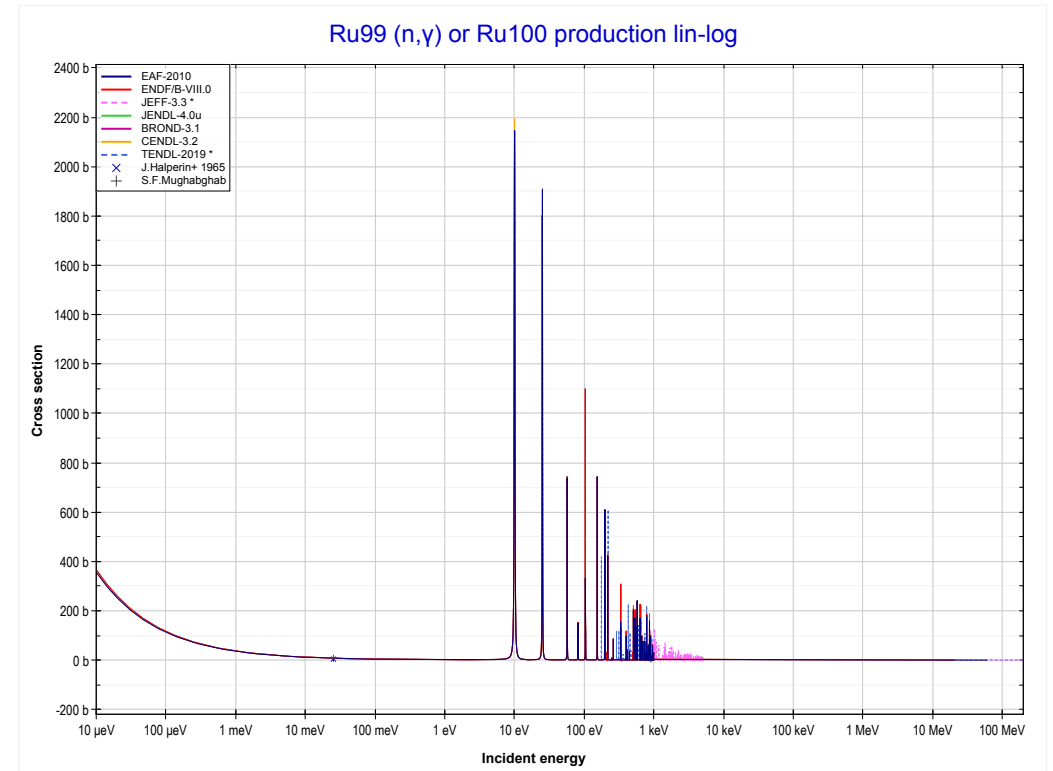
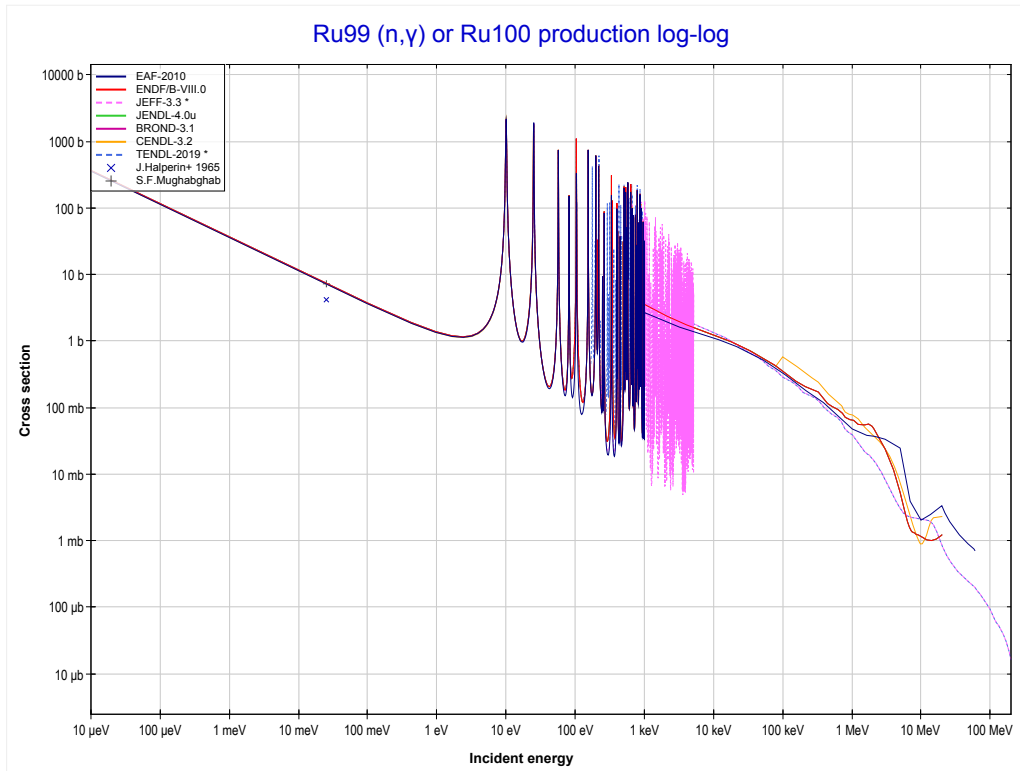
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.91567E-4 b | 0.99445 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.40825E-4 b | 1.02697 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.63298E-4 b | 1.0744 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.40825E-4 b | 1.02697 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.40825E-4 b | 1.02697 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.65491E-4 b | 1.07667 b |

| | | |
|----------------|---|----------------------------------|
| << 44-Ru-96 | 44-Ru-98 | 44-Ru-99 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ru99 production) | 44-Ru-99 MT102 (n, γ) >> |



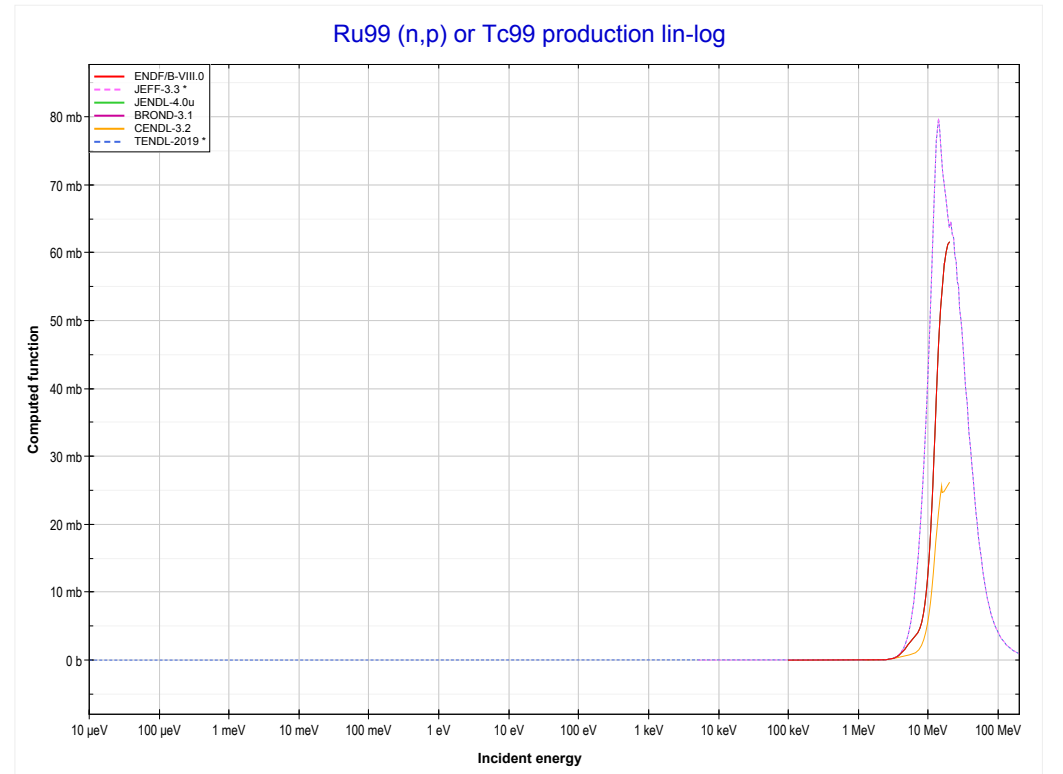
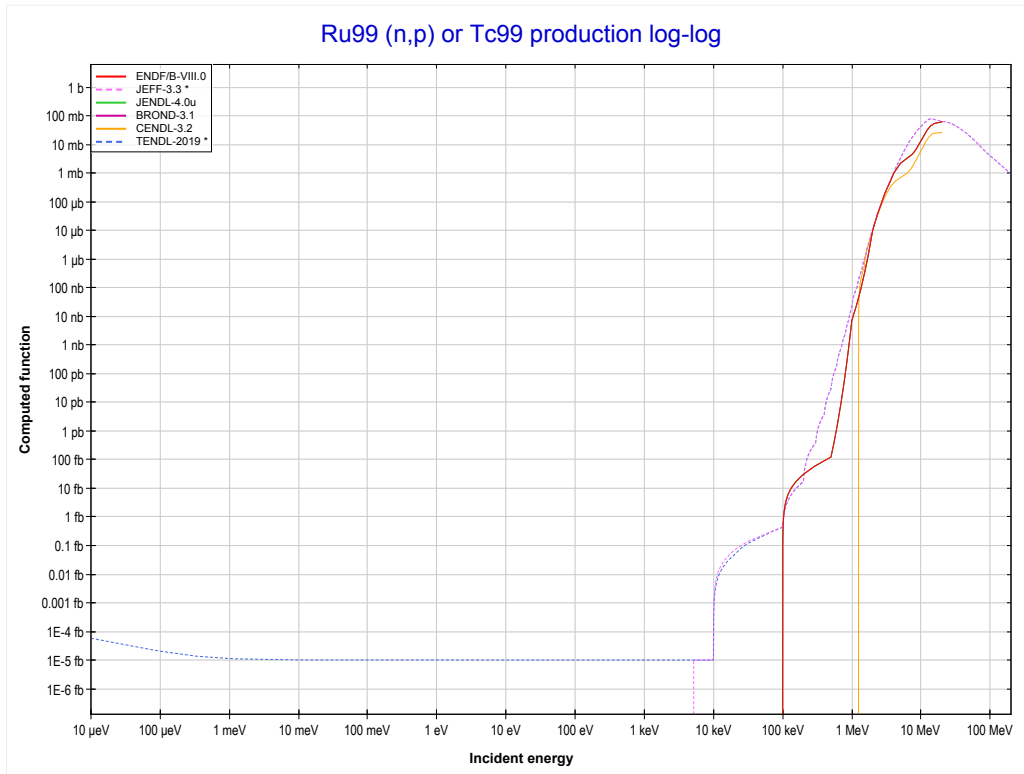
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.96433 b | 7.9584 b | 7.9714 b | 1.00164 | 9.4234 b | 0.0261125 b | 0.00238001 b |
| ENDF/B-VIII.0 | 8.00242 b | 8.00242 b | 8.0054 b | 1.00037 | 11.1692 b | 0.0769809 b | 0.00138866 b |
| JEFF-3.3 | 7.96579 b | 7.96579 b | 7.9673 b | 1.00019 | 34.0616 b | 0.0349159 b | 0.00157704 b |
| JENDL-4.0u | 4.00122 b | 4.00122 b | 4.0028 b | 1.00039 | 9.4822 b | 0.0769783 b | 0.00138866 b |
| BROND-3.1 | 8.00242 b | 8.00242 b | 8.0054 b | 1.00037 | 11.1692 b | 0.0769809 b | 0.00138866 b |
| TENDL-2019 | 7.95813 b | 7.95813 b | 7.9582 b | 1 | 10.6574 b | 0.0346185 b | 0.00157438 b |

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|----------------------------------|--|----------------|
| << 44-Ru-98 | 44-Ru-99 | 44-Ru-100 >> |
| << 44-Ru-98 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ru100 production) | MT103 (n,p) >> |



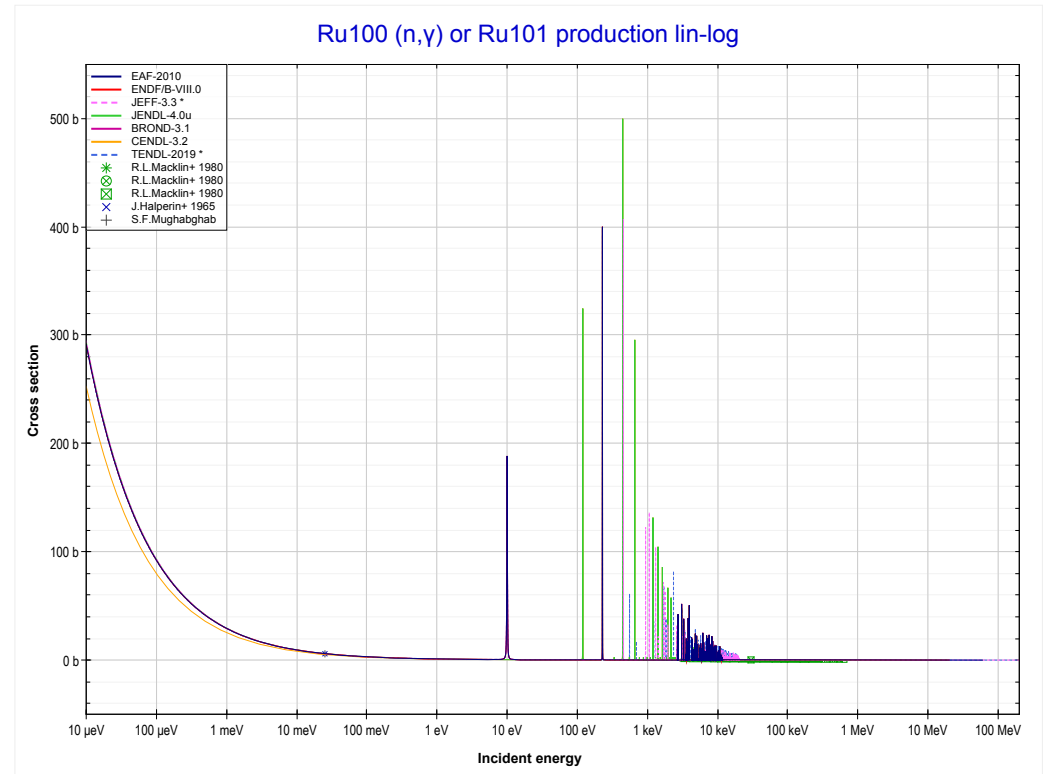
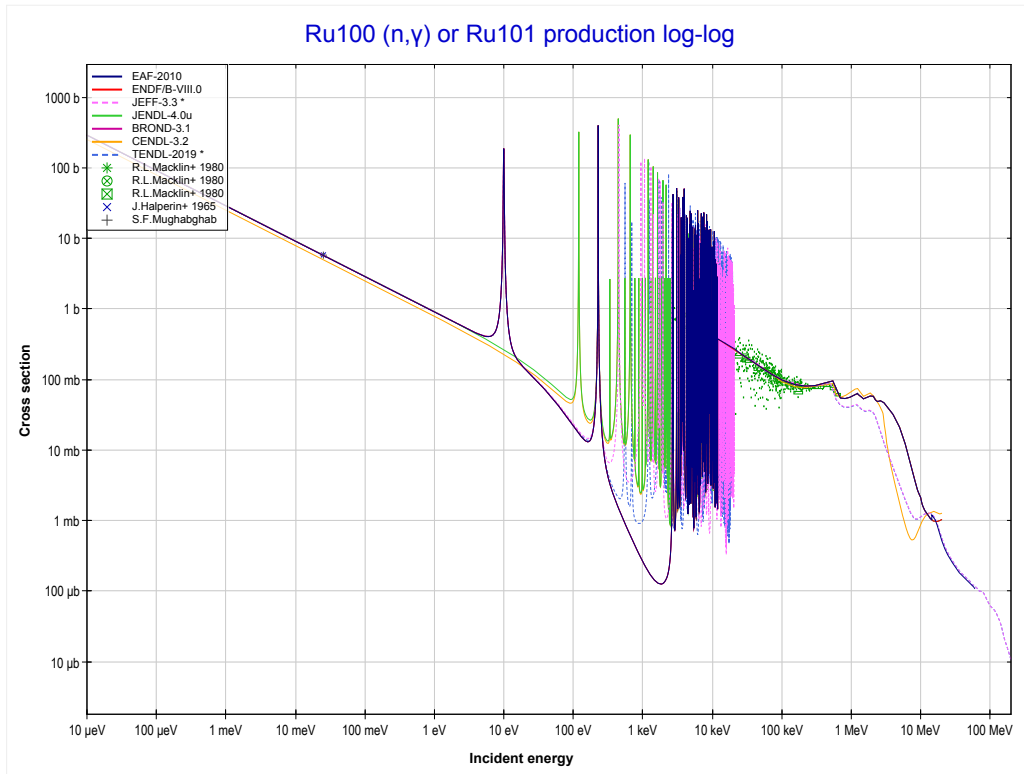
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.10773 b | 7.10245 b | 7.1158 b | 1.00189 | 162.324 b | 0.0616934 b | 0.0025073 b |
| ENDF/B-VIII.0 | 7.31128 b | 7.31128 b | 7.3286 b | 1.00237 | 170.525 b | 0.0695403 b | 0.00100128 b |
| JEFF-3.3 | 7.2779 b | 7.2779 b | 7.2947 b | 1.00231 | 170.067 b | 0.0458163 b | 0.00191109 b |
| JENDL-4.0u | 7.31128 b | 7.31128 b | 7.3286 b | 1.00237 | 170.526 b | 0.0695435 b | 0.00100128 b |
| BROND-3.1 | 7.31128 b | 7.31128 b | 7.3286 b | 1.00237 | 170.525 b | 0.0695403 b | 0.00100128 b |
| CENDL-3.2 | 7.12215 b | 7.12215 b | 7.1365 b | 1.00202 | 170.126 b | 0.0845389 b | 0.002 b |
| TENDL-2019 | 7.22772 b | 7.22772 b | 7.2422 b | 1.002 | 178.563 b | 0.0454234 b | 0.00190996 b |

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|-------------------------|---|-----------------------------------|
| << 44-Ru-96 | 44-Ru-99 | 44-Ru-100 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc99 production) | 44-Ru-100 MT102 (n, γ) >> |



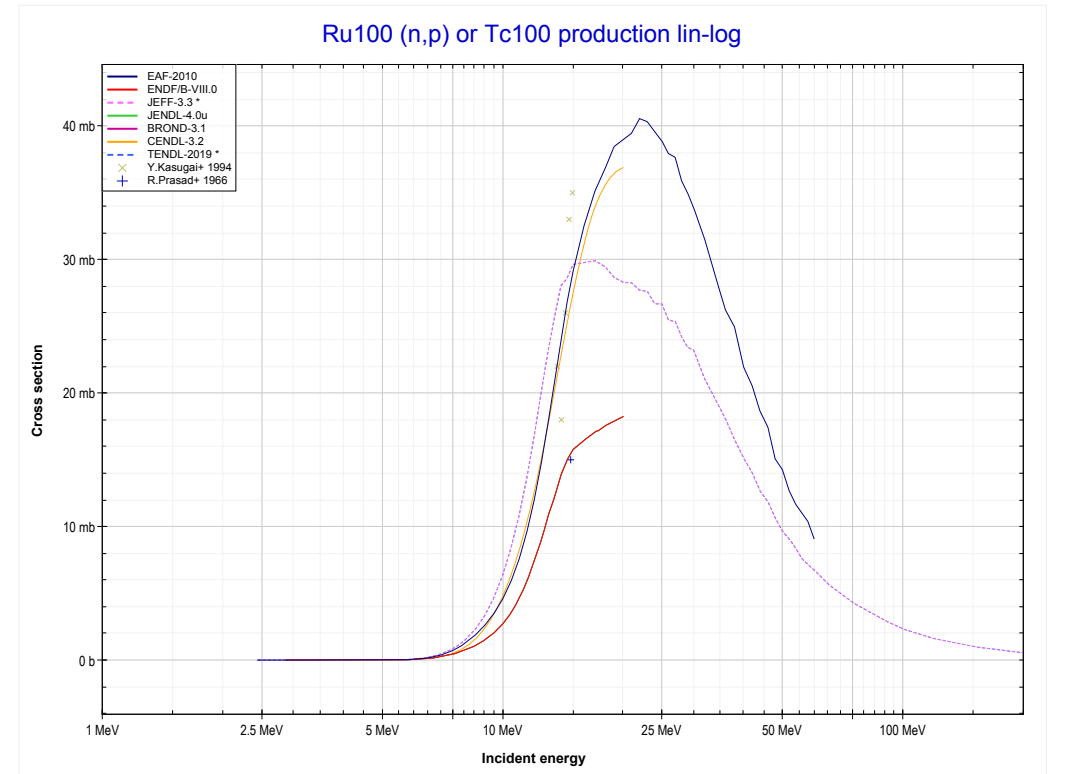
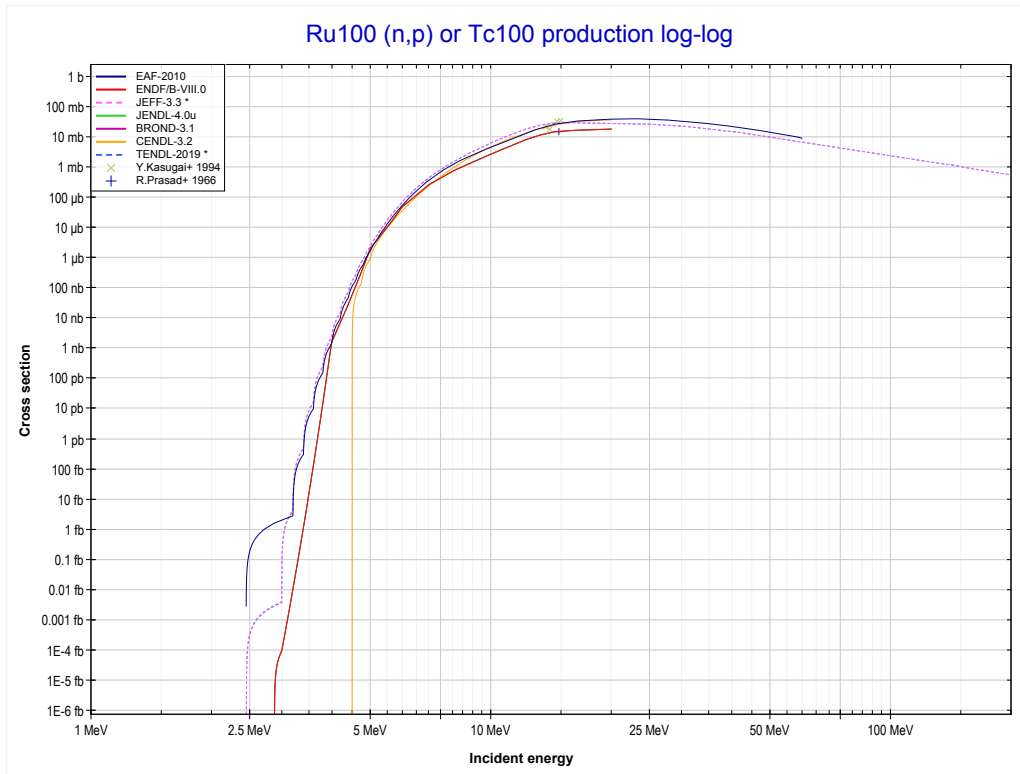
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 6.28758E-26 b | 3.93788E-4 b | 0.0464509 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.80127E-16 b | 8.99438E-4 b | 0.079757 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.93788E-4 b | 0.0464509 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 6.28768E-26 b | 3.93788E-4 b | 0.0464509 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6423E-4 b | 0.021758 b |
| TENDL-2019 | 1.0051E-20 b | 1.0051E-20 b | 1.1342E-20 b | 1.12842 | 3.4276E-16 b | 8.96933E-4 b | 0.079753 b |

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|-------------------------|--|----------------|
| << 44-Ru-99 | 44-Ru-100 | 44-Ru-101 >> |
| << 44-Ru-99 MT103 (n,p) | MT102 (n,y) or MT5 (Ru101 production) | MT103 (n,p) >> |



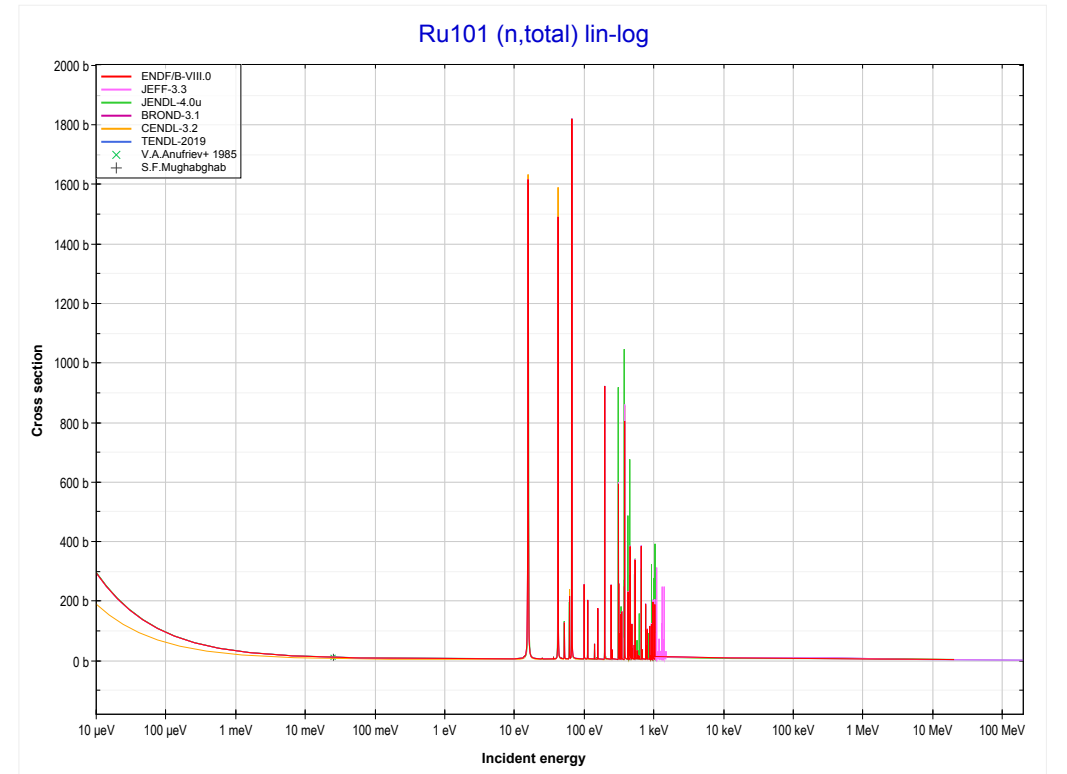
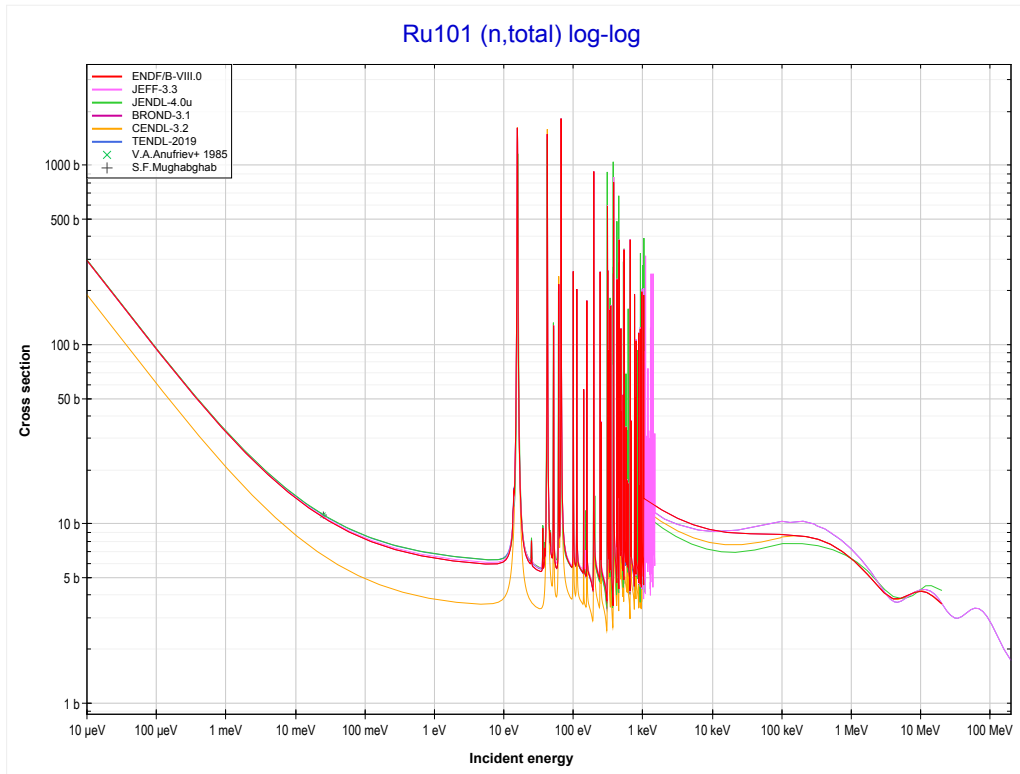
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.79035 b | 5.78615 b | 5.7855 b | 0.99992 | 11.173 b | 0.056192 b | 0.00105299 b |
| ENDF/B-VIII.0 | 5.79135 b | 5.79135 b | 5.7928 b | 1.00025 | 11.1772 b | 0.0561825 b | 0.00105299 b |
| JEFF-3.3 | 5.86785 b | 5.86785 b | 5.8691 b | 1.00021 | 13.422 b | 0.0380873 b | 0.00126793 b |
| JENDL-4.0u | 5.84231 b | 5.84231 b | 5.8438 b | 1.00025 | 11.2462 b | 0.0562166 b | 0.00105299 b |
| BROND-3.1 | 5.79135 b | 5.79135 b | 5.7928 b | 1.00025 | 11.1772 b | 0.0561825 b | 0.00105299 b |
| CENDL-3.2 | 5.02204 b | 5.02204 b | 5.0216 b | 0.99991 | 10.916 b | 0.0521879 b | 0.0013101 b |
| TENDL-2019 | 5.76814 b | 5.76814 b | 5.7675 b | 0.99989 | 11.5337 b | 0.0376805 b | 0.00126559 b |

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|-------------------------|--|----------------------------|
| << 44-Ru-99 | 44-Ru-100 | 44-Ru-101 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc100 production) | 44-Ru-101 MT1 (n,total) >> |



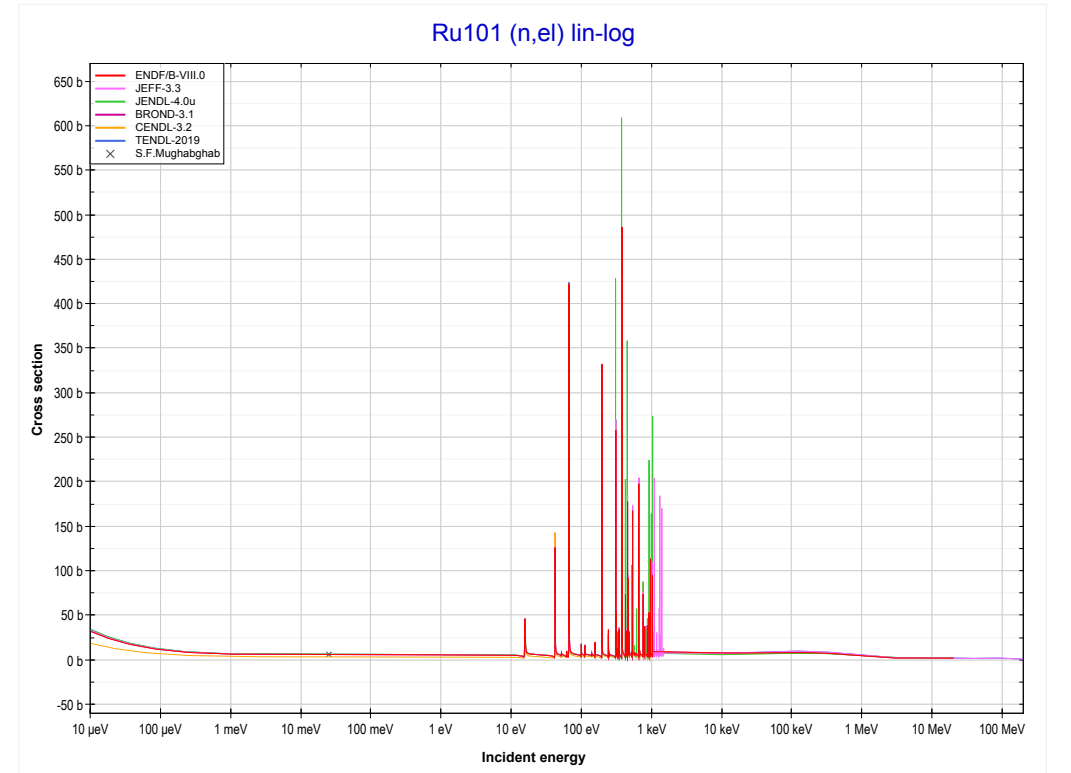
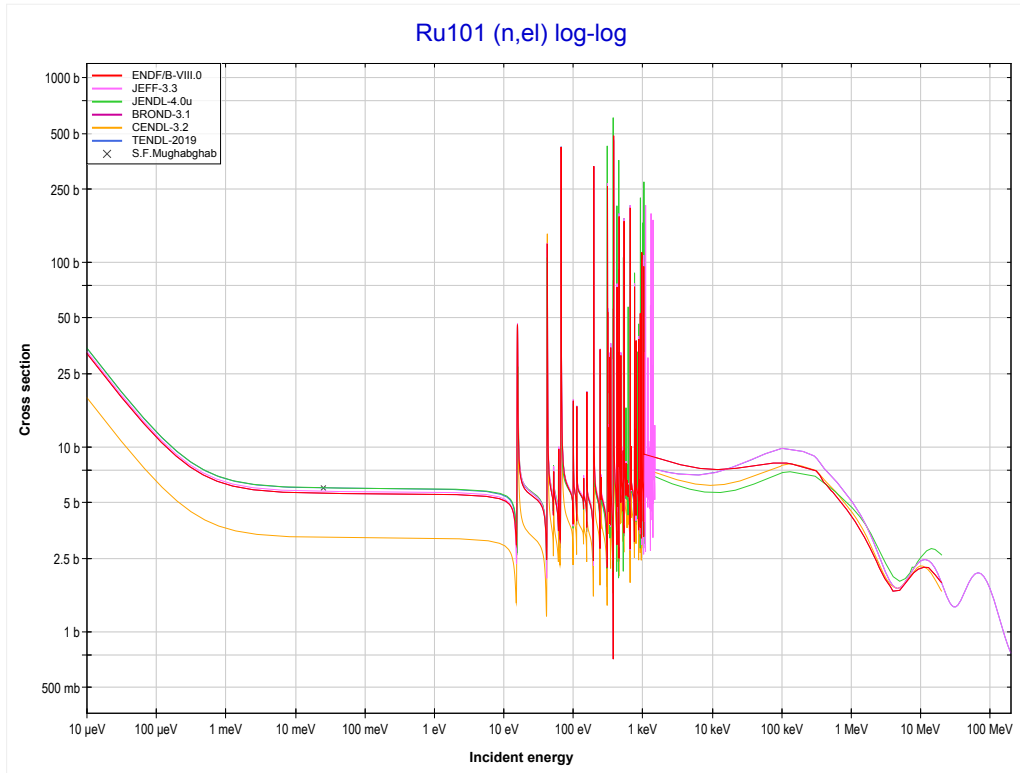
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18832E-5 b | 0.0239002 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52604E-5 b | 0.0138767 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.38878E-5 b | 0.0280781 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.52604E-5 b | 0.0138767 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52604E-5 b | 0.0138767 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.8572E-5 b | 0.022803 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37159E-5 b | 0.0280525 b |

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|--------------------------|----------------------|--------------------|
| << 43-Tc-99 | 44-Ru-101 | 44-Ru-102 >> |
| << 44-Ru-100 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



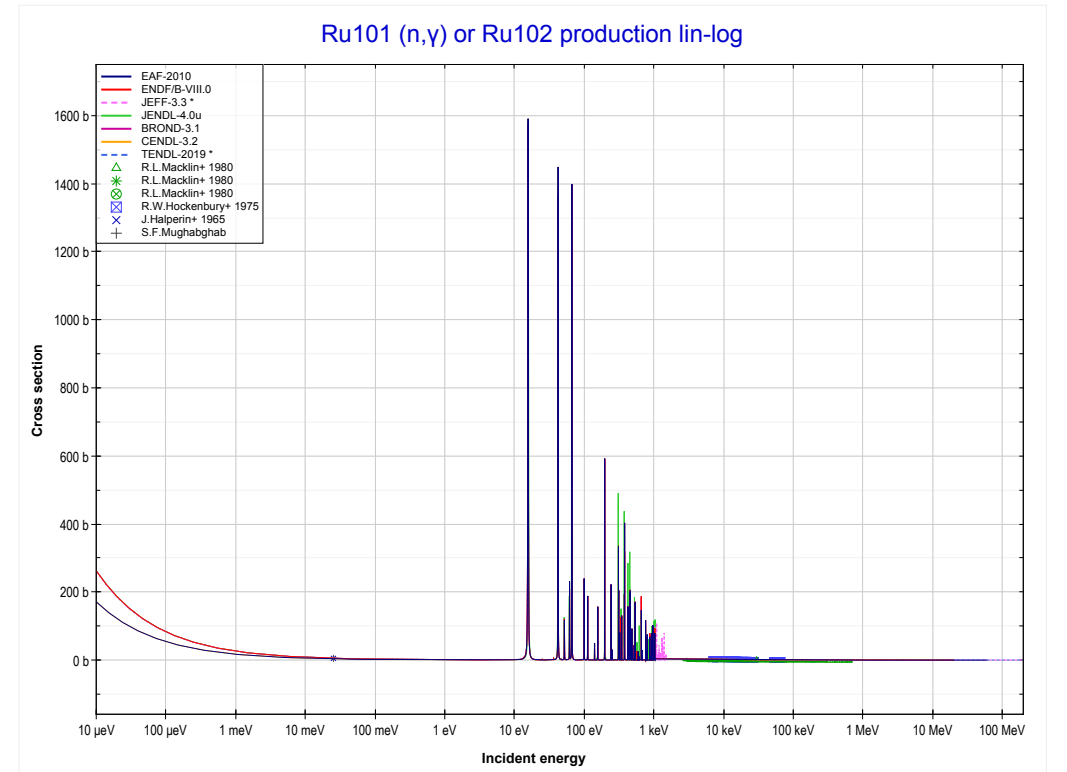
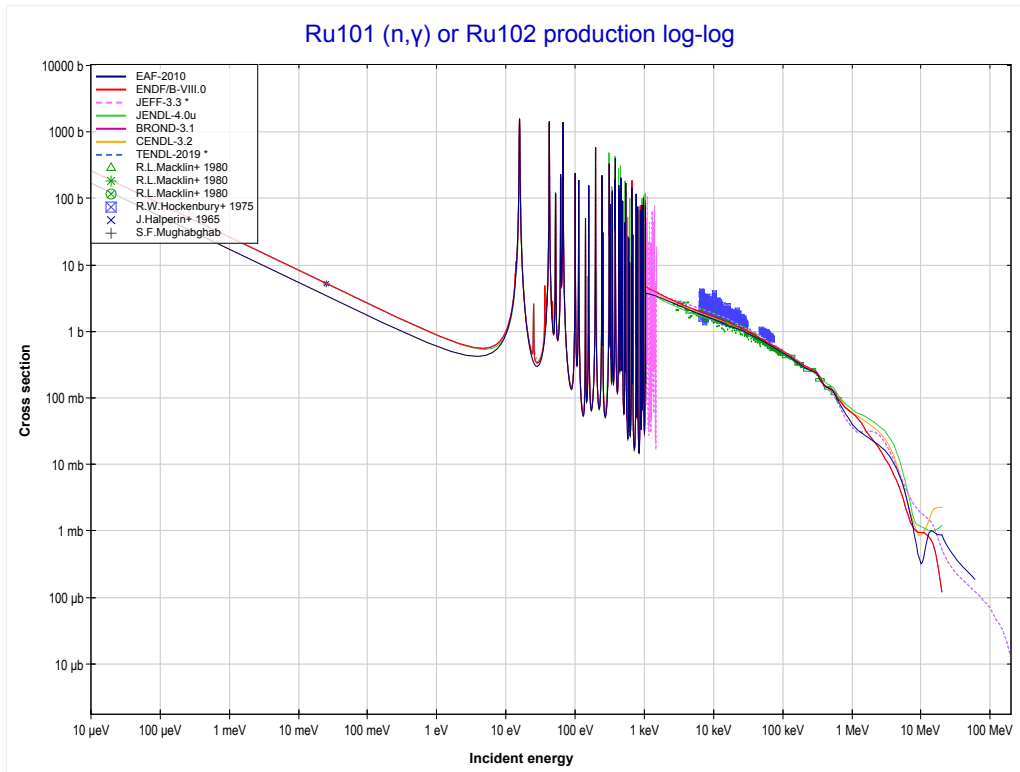
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.8336 b | 10.8336 b | 11.558 b | 1.06691 | 205.777 b | 5.66733 b | 4.0305 b |
| JEFF-3.3 | 10.9444 b | 10.9444 b | 11.687 b | 1.06787 | 207.544 b | 6.25002 b | 4.21103 b |
| JENDL-4.0u | 11.2331 b | 11.2331 b | 12.008 b | 1.06897 | 187.909 b | 5.63743 b | 4.53657 b |
| BROND-3.1 | 10.8336 b | 10.8336 b | 11.558 b | 1.06691 | 205.777 b | 5.66733 b | 4.03051 b |
| CENDL-3.2 | 6.64557 b | 6.64557 b | 7.0645 b | 1.06304 | 183.917 b | 5.64961 b | 4.0289 b |
| TENDL-2019 | 11.1803 b | 11.1803 b | 11.952 b | 1.069 | 206.369 b | 6.25158 b | 4.21104 b |

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|------------------|------------------------|-------------------------|
| << 43-Tc-99 | 44-Ru-101 | 44-Ru-102 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



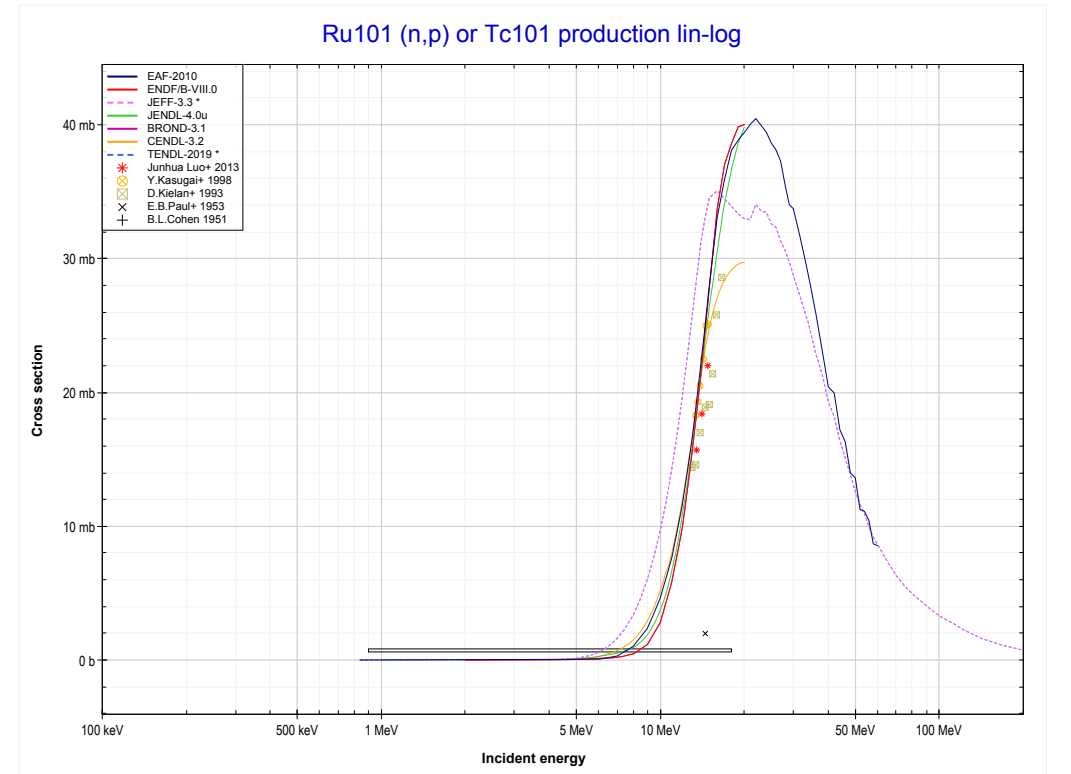
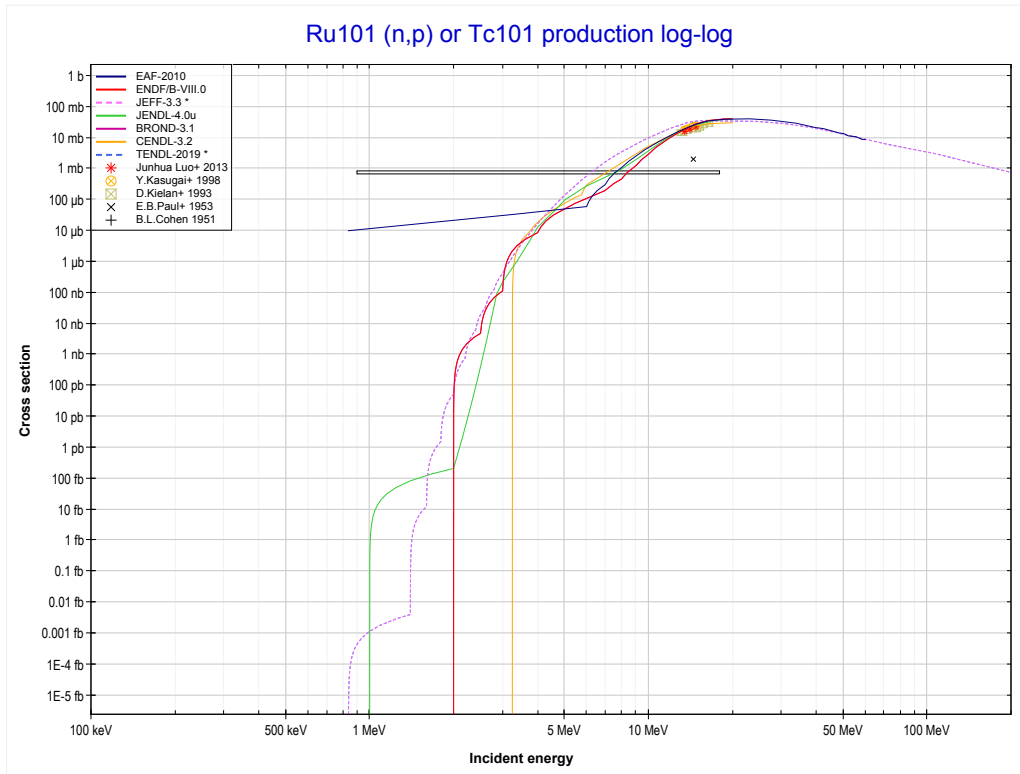
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.608 b | 5.608 b | 6.3271 b | 1.12823 | 94.0202 b | 3.66223 b | 2.16546 b |
| JEFF-3.3 | 5.74964 b | 5.74964 b | 6.4869 b | 1.12823 | 95.1954 b | 4.31482 b | 2.37233 b |
| JENDL-4.0u | 6.00098 b | 6.00098 b | 6.7704 b | 1.12822 | 87.5945 b | 3.99107 b | 2.8184 b |
| BROND-3.1 | 5.608 b | 5.608 b | 6.3271 b | 1.12823 | 94.0202 b | 3.66223 b | 2.16546 b |
| CENDL-3.2 | 3.23191 b | 3.23191 b | 3.6466 b | 1.12832 | 72.8389 b | 3.79589 b | 2.0855 b |
| TENDL-2019 | 5.98255 b | 5.98255 b | 6.75 b | 1.12828 | 94.0777 b | 4.31594 b | 2.37233 b |

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|--------------------|--|----------------|
| << 44-Ru-100 | 44-Ru-101 | 44-Ru-102 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Ru102 production) | MT103 (n,p) >> |



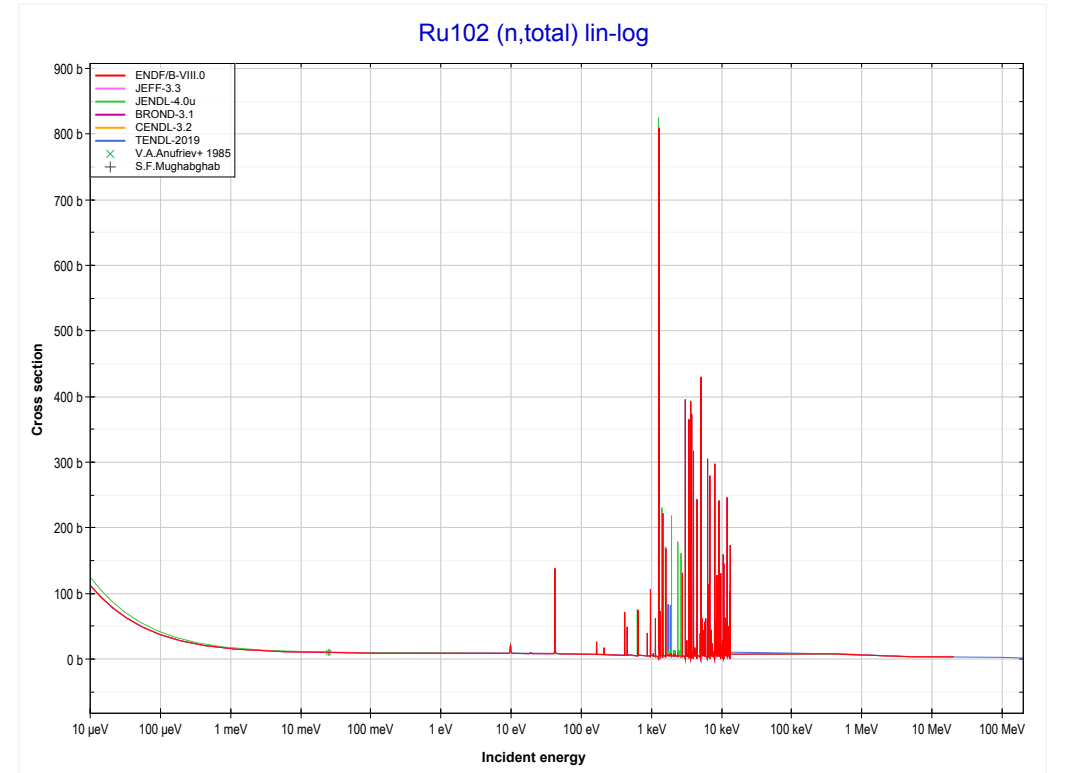
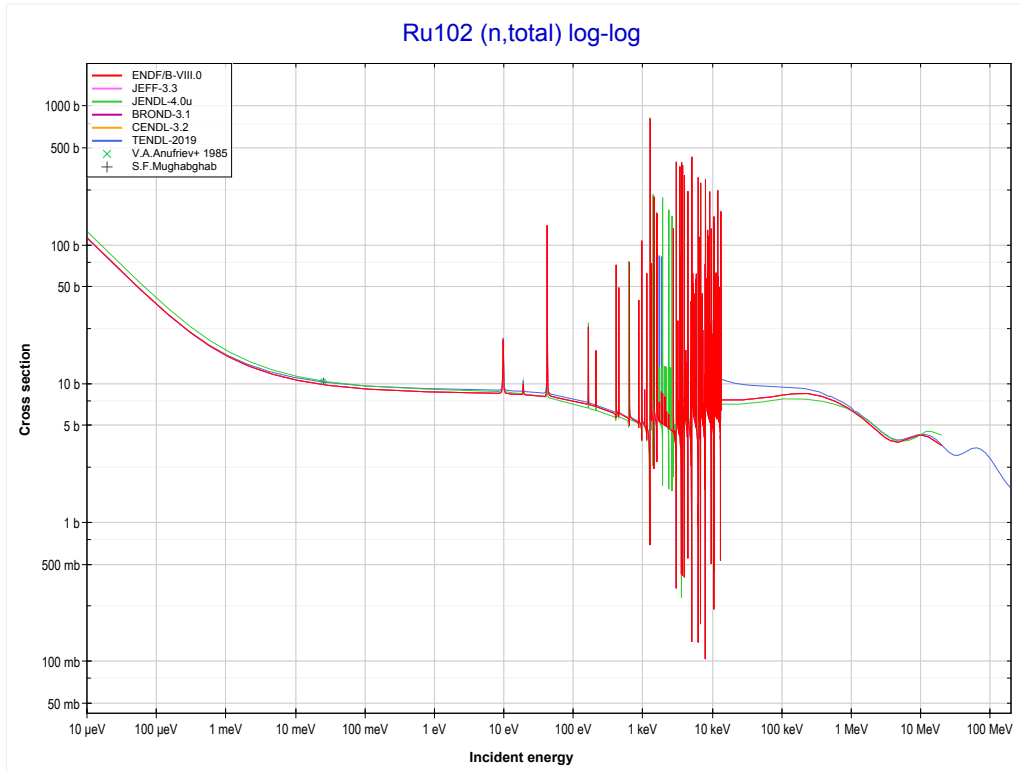
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.41721 b | 3.41466 b | 3.4181 b | 1.00101 | 110.593 b | 0.0663193 b | 0.00100912 b |
| ENDF/B-VIII.0 | 5.22565 b | 5.22565 b | 5.2314 b | 1.0011 | 111.757 b | 0.0725409 b | 7.36316E-4 b |
| JEFF-3.3 | 5.19475 b | 5.19475 b | 5.2002 b | 1.00106 | 112.348 b | 0.0696298 b | 0.00136417 b |
| JENDL-4.0u | 5.23211 b | 5.23211 b | 5.2374 b | 1.00101 | 100.314 b | 0.0850036 b | 0.00100236 b |
| BROND-3.1 | 5.22565 b | 5.22565 b | 5.2314 b | 1.0011 | 111.757 b | 0.0725409 b | 7.36316E-4 b |
| CENDL-3.2 | 3.41366 b | 3.41366 b | 3.4179 b | 1.00123 | 111.067 b | 0.0779048 b | 0.0018 b |
| TENDL-2019 | 5.19778 b | 5.19778 b | 5.2018 b | 1.00077 | 112.264 b | 0.0688371 b | 0.00136116 b |

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| << 44-Ru-100 | 44-Ru-101 | 44-Ru-102 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc101 production) | 44-Ru-102 MT1 (n,total) >> |



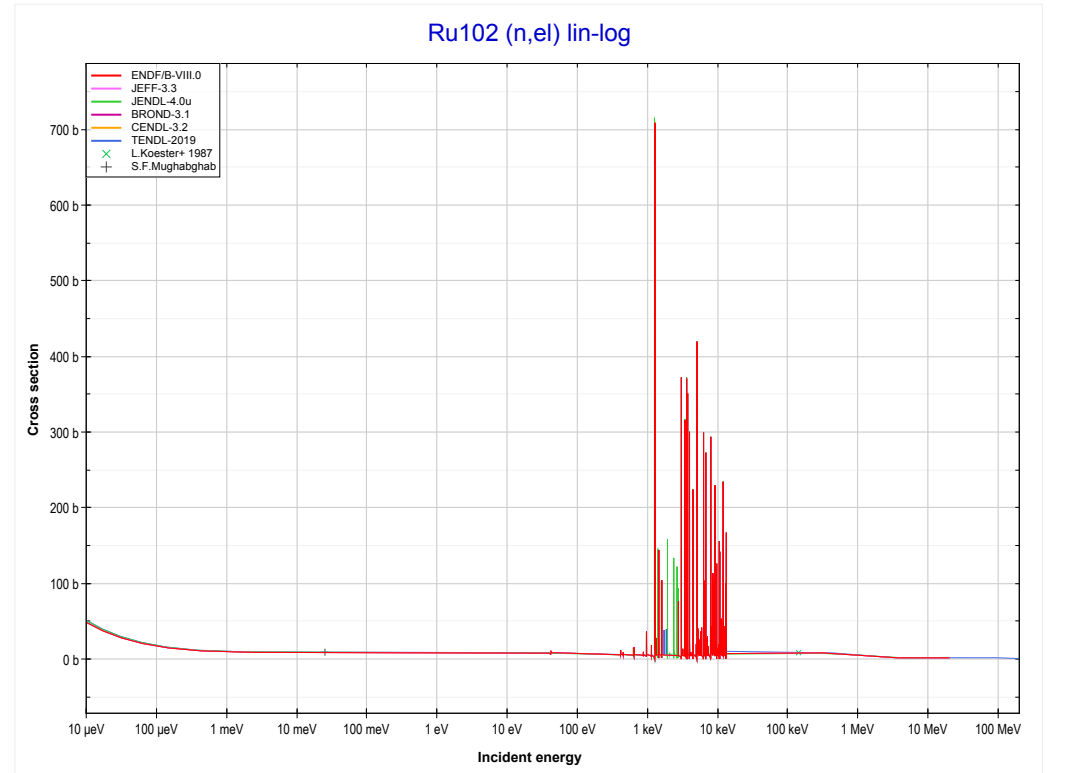
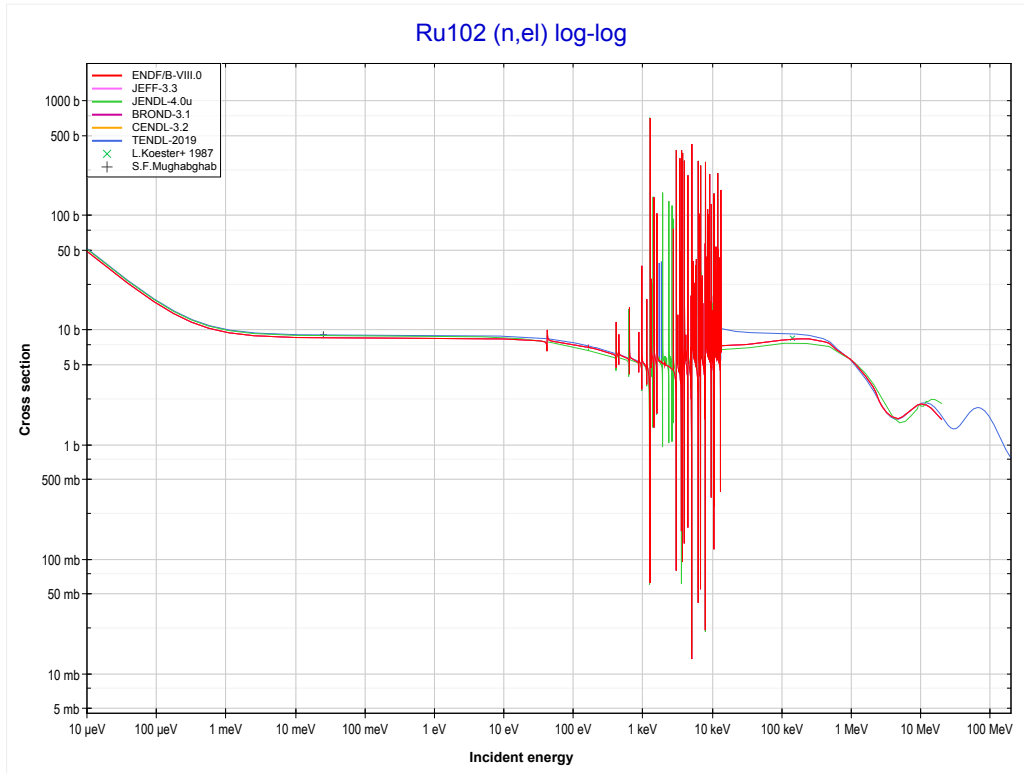
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.24659E-5 b | 0.0222506 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.1978E-5 b | 0.021512 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10921E-4 b | 0.031296 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.58619E-5 b | 0.0213141 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.1978E-5 b | 0.021512 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.68503E-5 b | 0.021295 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10936E-4 b | 0.0312911 b |

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|--------------------------|----------------------|--------------------|
| << 44-Ru-101 | 44-Ru-102 | 45-Rh-103 >> |
| << 44-Ru-101 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



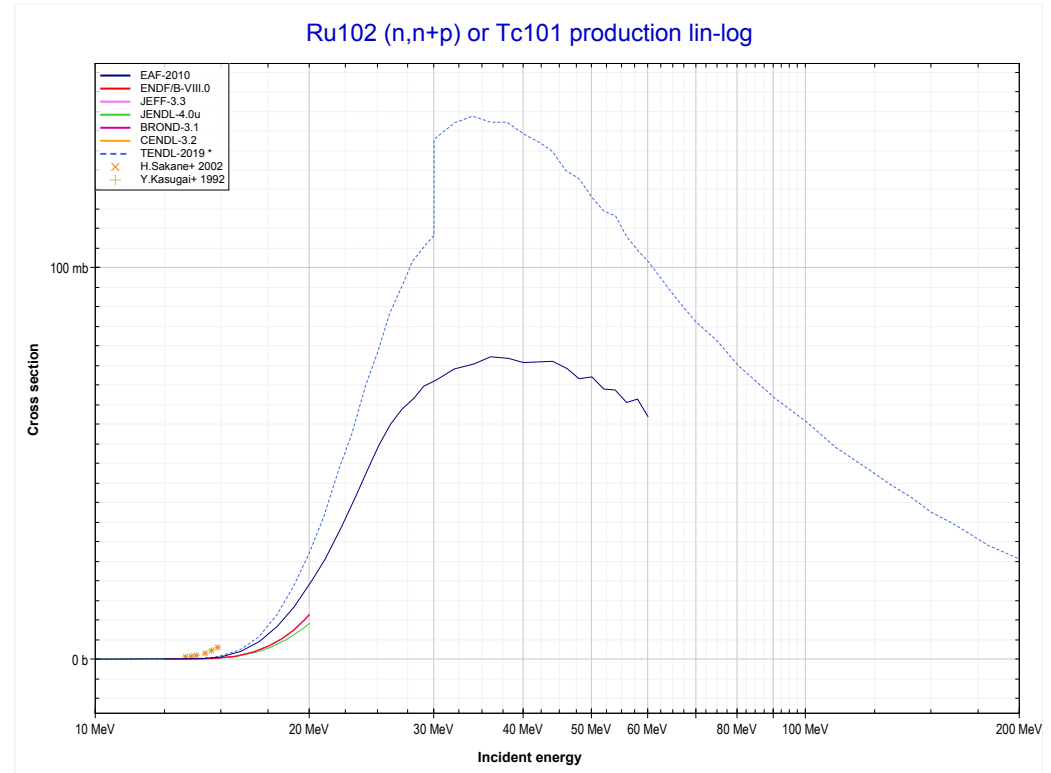
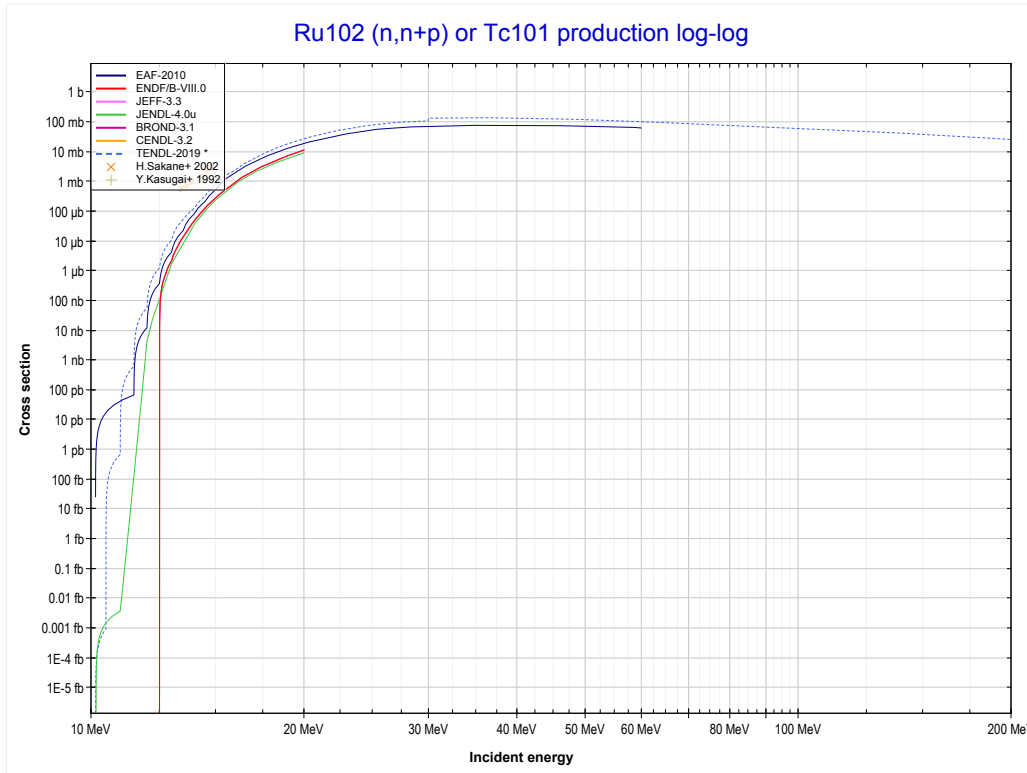
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.81974 b | 9.81974 b | 10.917 b | 1.11177 | 101.634 b | 5.6659 b | 4.04743 b |
| JEFF-3.3 | 9.81974 b | 9.81974 b | 10.917 b | 1.11177 | 101.634 b | 5.6659 b | 4.04743 b |
| JENDL-4.0u | 10.4065 b | 10.4065 b | 11.553 b | 1.11012 | 100.479 b | 5.63995 b | 4.53613 b |
| BROND-3.1 | 9.81974 b | 9.81974 b | 10.917 b | 1.11177 | 101.634 b | 5.6659 b | 4.04743 b |
| CENDL-3.2 | 9.8194 b | 9.8194 b | 10.917 b | 1.11179 | 101.661 b | 5.66771 b | 4.0478 b |
| TENDL-2019 | 10.2537 b | 10.2537 b | 11.416 b | 1.11331 | 107.862 b | 5.95409 b | 4.19796 b |

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|------------------|------------------------|-----------------|
| << 44-Ru-101 | 44-Ru-102 | 45-Rh-103 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



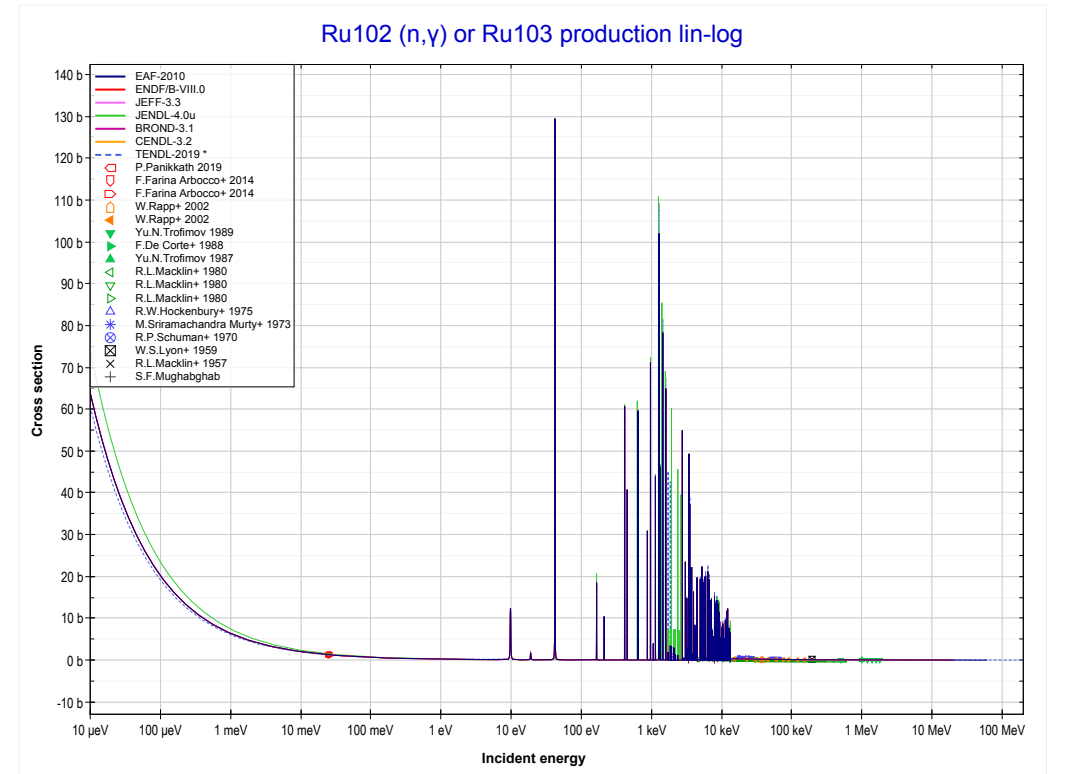
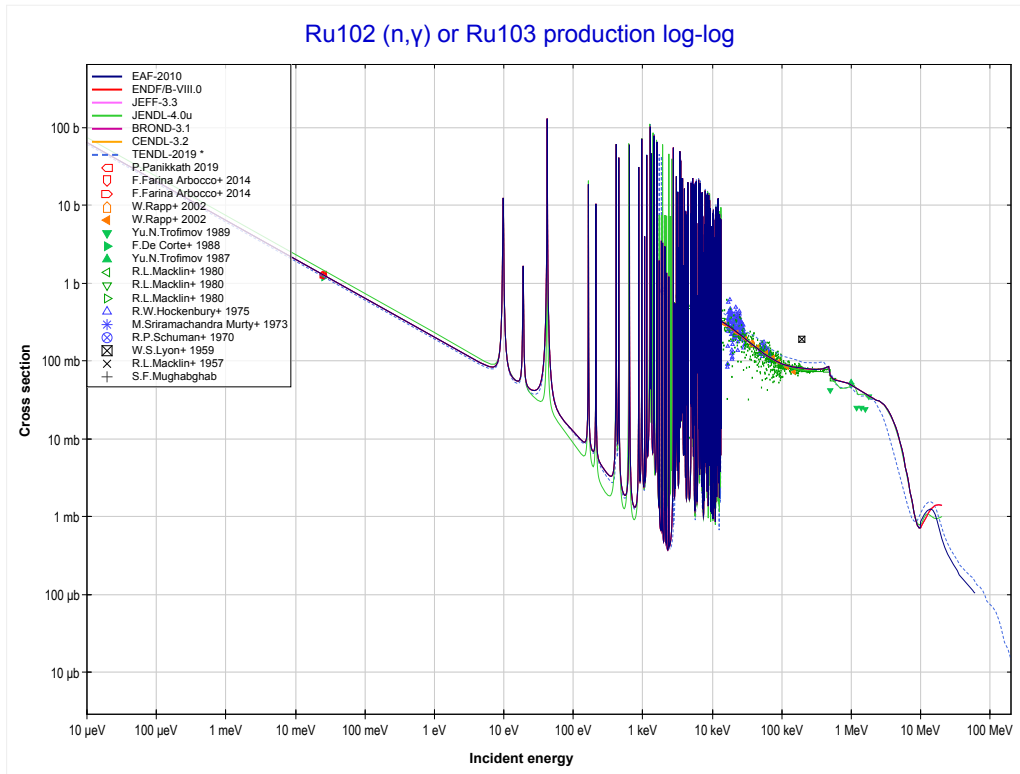
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.5496 b | 8.5496 b | 9.6467 b | 1.12832 | 96.3921 b | 4.33837 b | 2.0986 b |
| JEFF-3.3 | 8.5496 b | 8.5496 b | 9.6467 b | 1.12832 | 96.3921 b | 4.33837 b | 2.0986 b |
| JENDL-4.0u | 8.9312 b | 8.9312 b | 10.077 b | 1.12827 | 96.2826 b | 4.33323 b | 2.48453 b |
| BROND-3.1 | 8.5496 b | 8.5496 b | 9.6467 b | 1.12832 | 96.3921 b | 4.33837 b | 2.0986 b |
| CENDL-3.2 | 8.54959 b | 8.54959 b | 9.6473 b | 1.12839 | 96.4006 b | 4.33838 b | 2.0986 b |
| TENDL-2019 | 9.04941 b | 9.04941 b | 10.211 b | 1.12839 | 102.711 b | 4.37839 b | 2.25509 b |

| | | |
|--------------------|---|-------------------------|
| << 44-Ru-96 | 44-Ru-102 | 44-Ru-104 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Tc101 production) | MT102 (n, γ) >> |



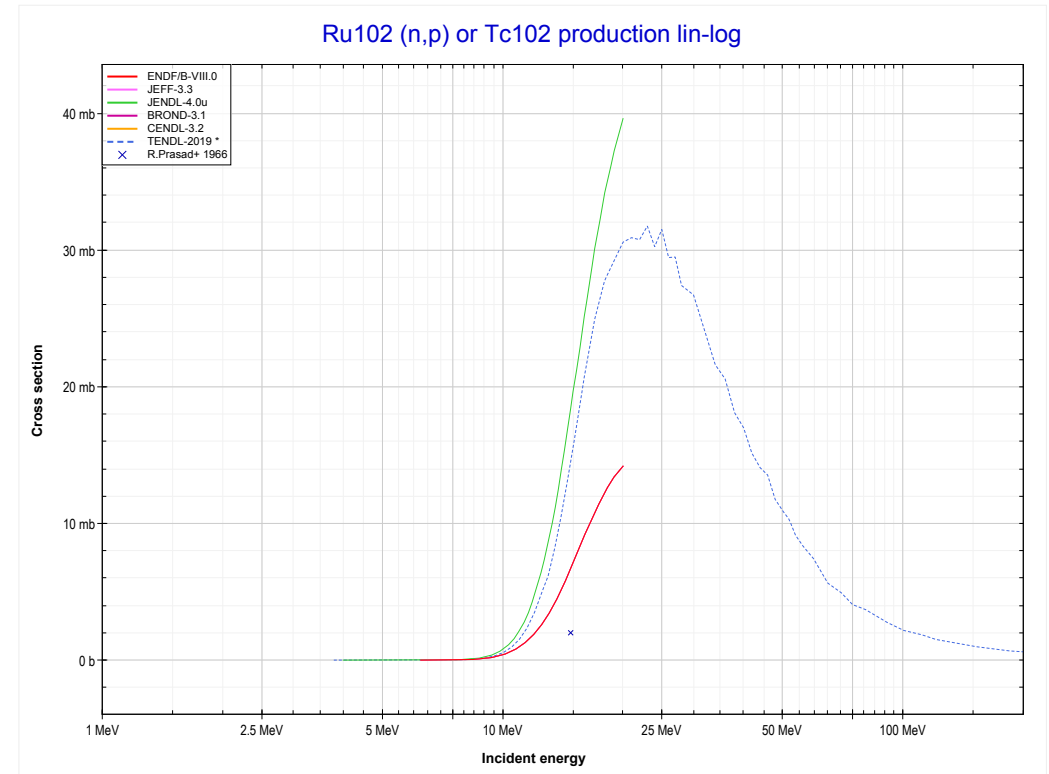
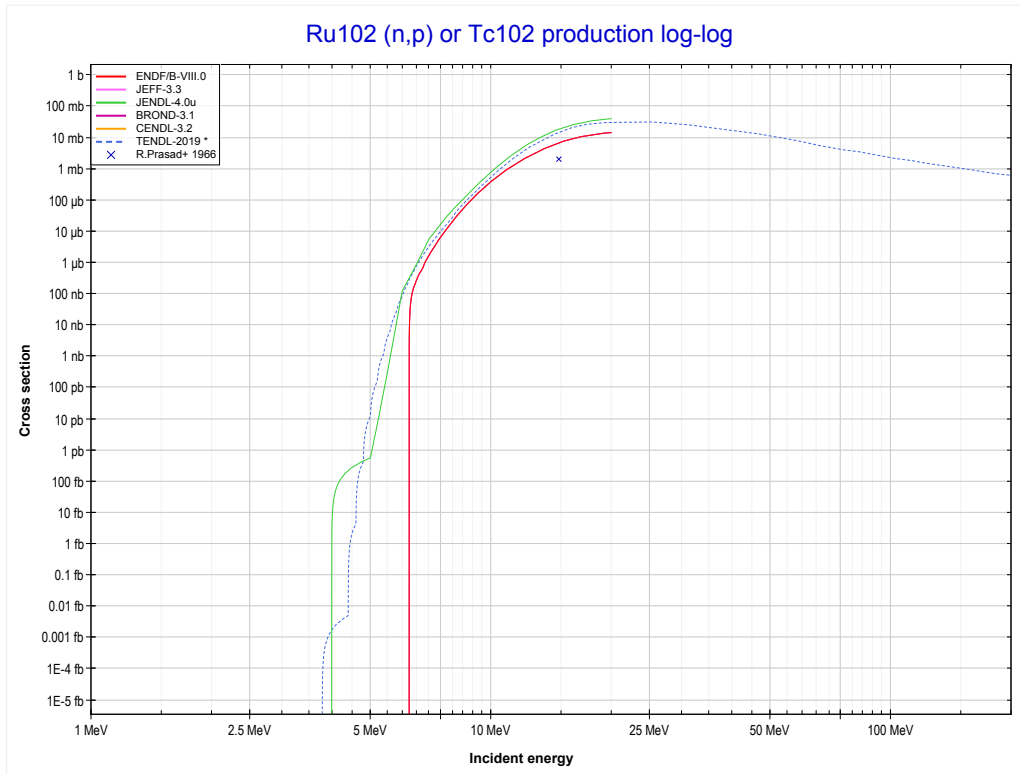
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05132E-7 b | 4.7124E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05132E-7 b | 4.7124E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.76096E-8 b | 3.63455E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05132E-7 b | 4.7124E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05132E-7 b | 4.7124E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76907E-7 b | 1.22671E-4 b |

| | | |
|-----------------|--|----------------|
| << 44-Ru-101 | 44-Ru-102 | 44-Ru-103 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ru103 production) | MT103 (n,p) >> |



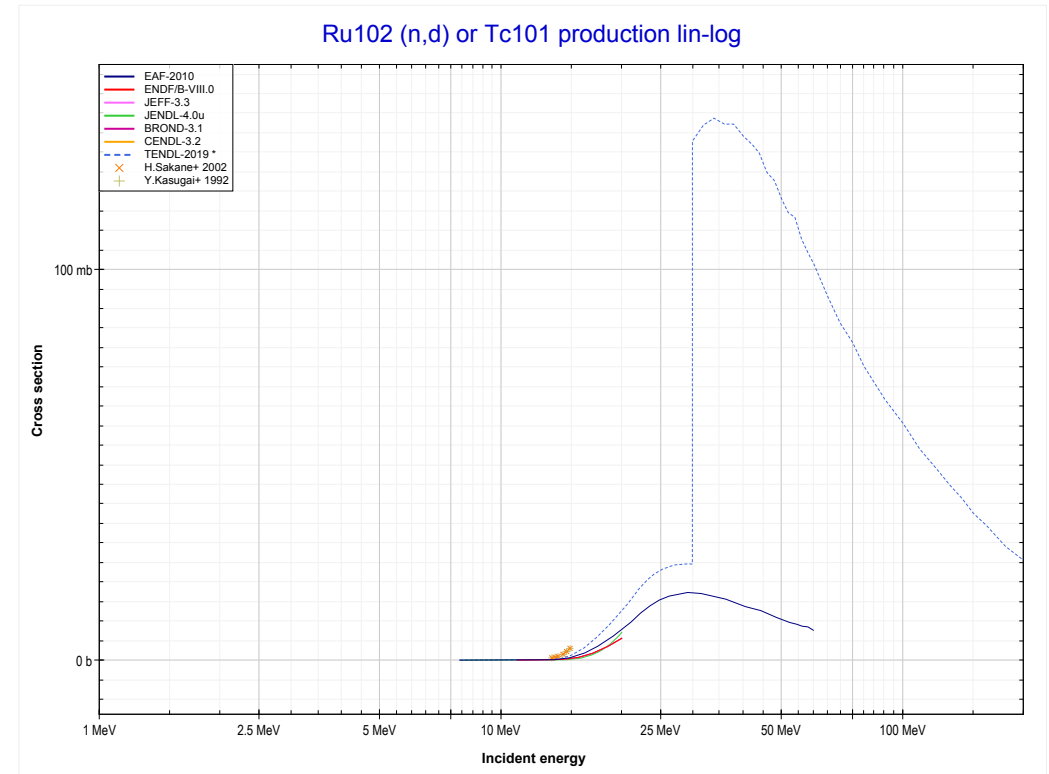
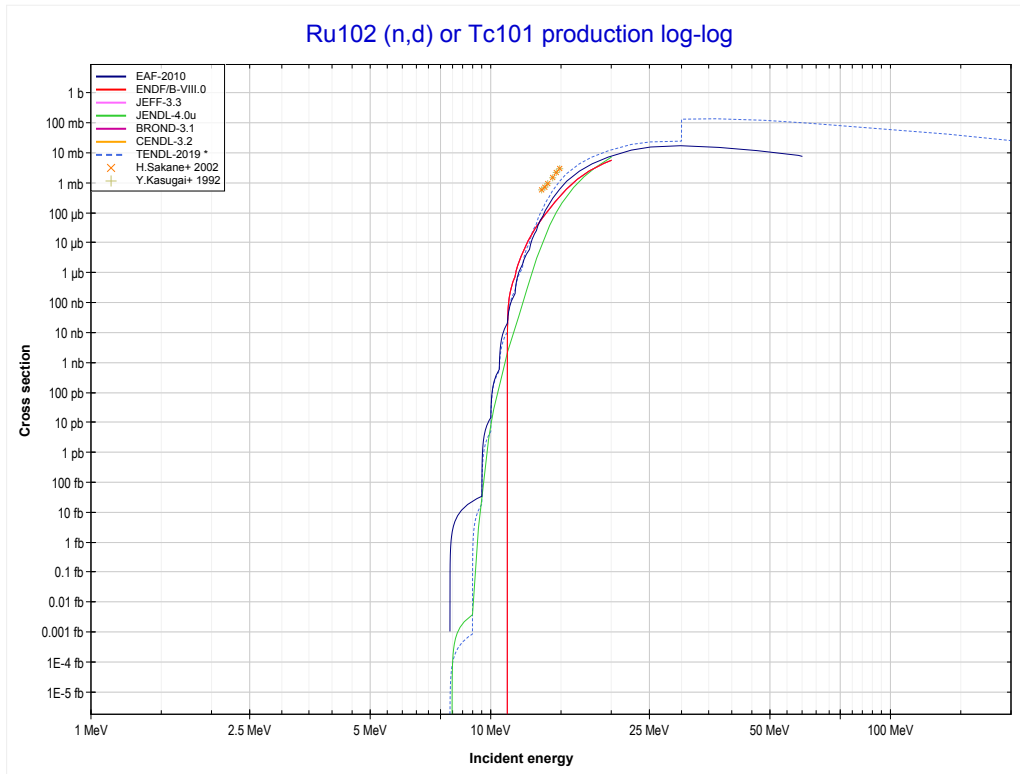
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.26983 b | 1.2689 b | 1.2689 b | 1.00005 | 5.24302 b | 0.0422552 b | 0.00125713 b |
| ENDF/B-VIII.0 | 1.27014 b | 1.27014 b | 1.2706 b | 1.00035 | 5.24181 b | 0.0422478 b | 0.0012418 b |
| JEFF-3.3 | 1.27014 b | 1.27014 b | 1.2706 b | 1.00035 | 5.24181 b | 0.0422478 b | 0.0012418 b |
| JENDL-4.0u | 1.47534 b | 1.47534 b | 1.4757 b | 1.00023 | 4.19617 b | 0.0401232 b | 0.00101864 b |
| BROND-3.1 | 1.27014 b | 1.27014 b | 1.2706 b | 1.00035 | 5.24181 b | 0.0422478 b | 0.0012418 b |
| CENDL-3.2 | 1.26981 b | 1.26981 b | 1.2698 b | 1.00001 | 5.23908 b | 0.0422475 b | 0.0012418 b |
| TENDL-2019 | 1.20428 b | 1.20428 b | 1.2043 b | 1 | 5.14647 b | 0.0396133 b | 0.00155558 b |

| | | |
|-------------------------|--|----------------|
| << 44-Ru-101 | 44-Ru-102 | 44-Ru-104 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc102 production) | MT104 (n,d) >> |



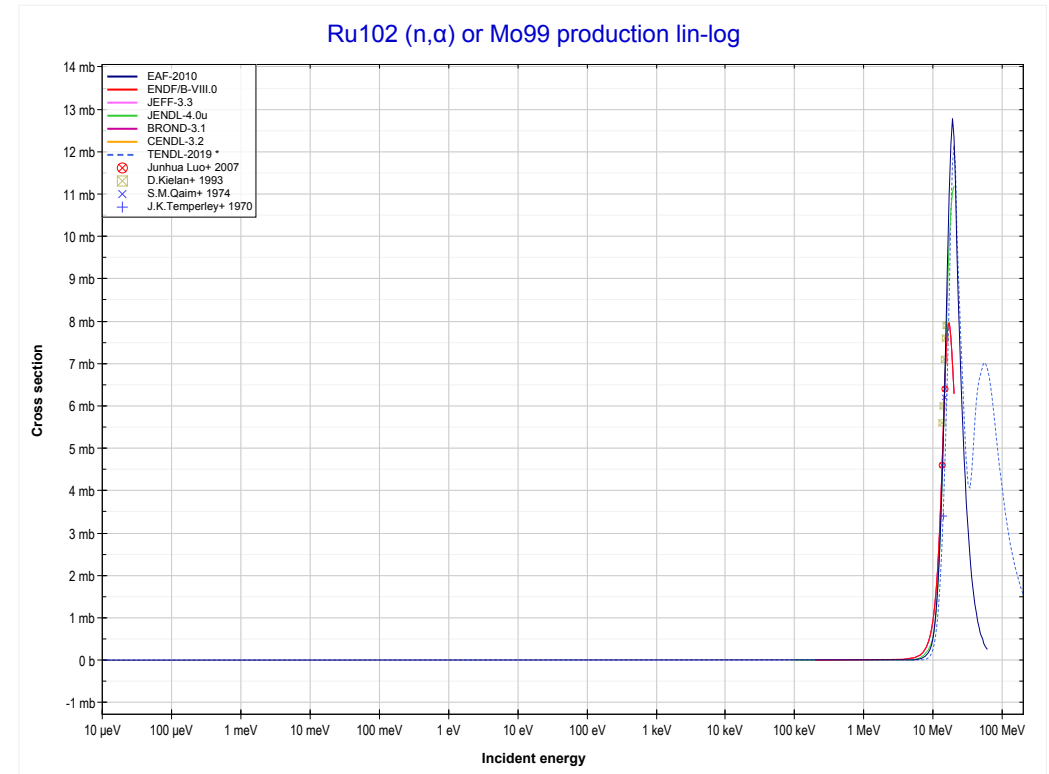
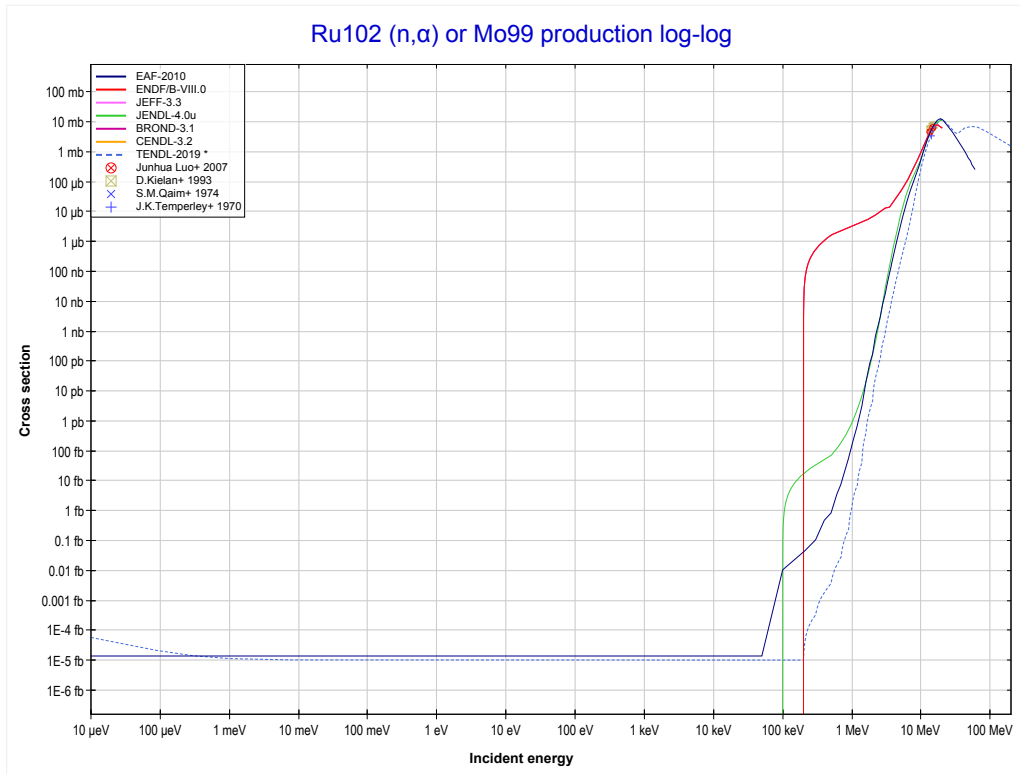
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95602E-6 b | 0.0050897 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95602E-6 b | 0.0050897 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.54744E-6 b | 0.0138103 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95603E-6 b | 0.0050897 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.95602E-6 b | 0.0050897 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.06465E-6 b | 0.0104778 b |

| | | |
|----------------|--|-------------------------|
| << 44-Ru-96 | 44-Ru-102 | 44-Ru-104 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tc101 production) | MT107 (n, α) >> |



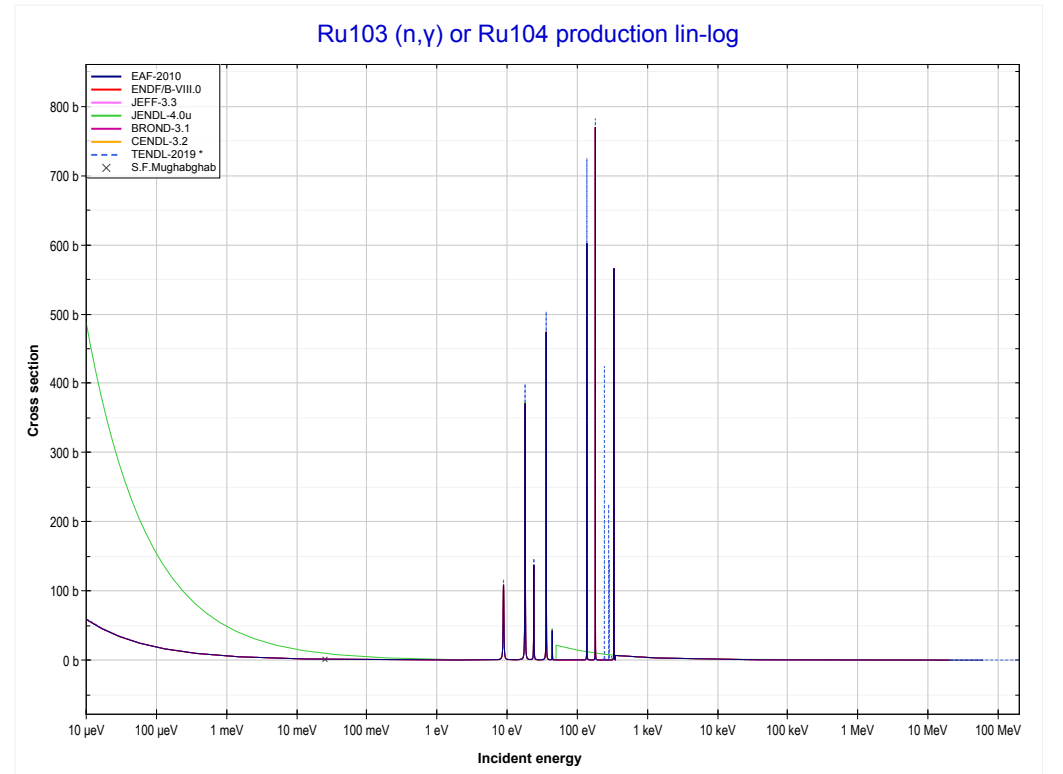
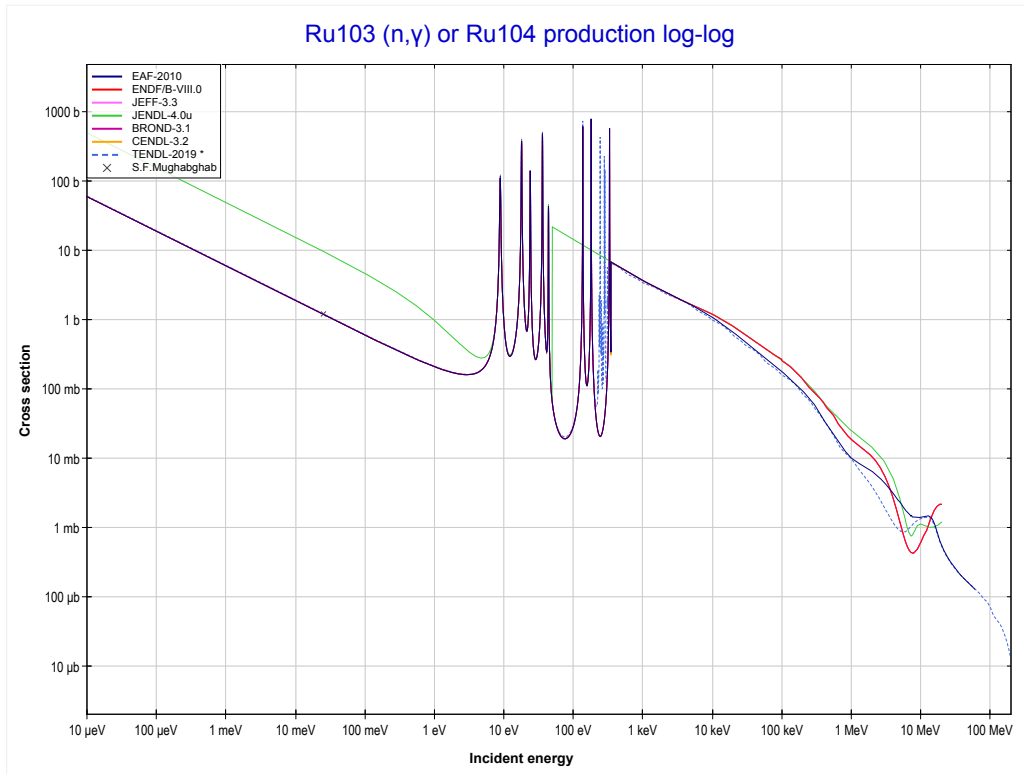
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5586E-7 b | 1.89943E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01095E-7 b | 1.3196E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01095E-7 b | 1.3196E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.83536E-8 b | 3.53912E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01095E-7 b | 1.3196E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01095E-7 b | 1.3196E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72954E-7 b | 3.41027E-4 b |

| | | |
|----------------|---|-----------------------------------|
| << 44-Ru-96 | 44-Ru-102 | 44-Ru-104 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mo99 production) | 44-Ru-103 MT102 (n, γ) >> |



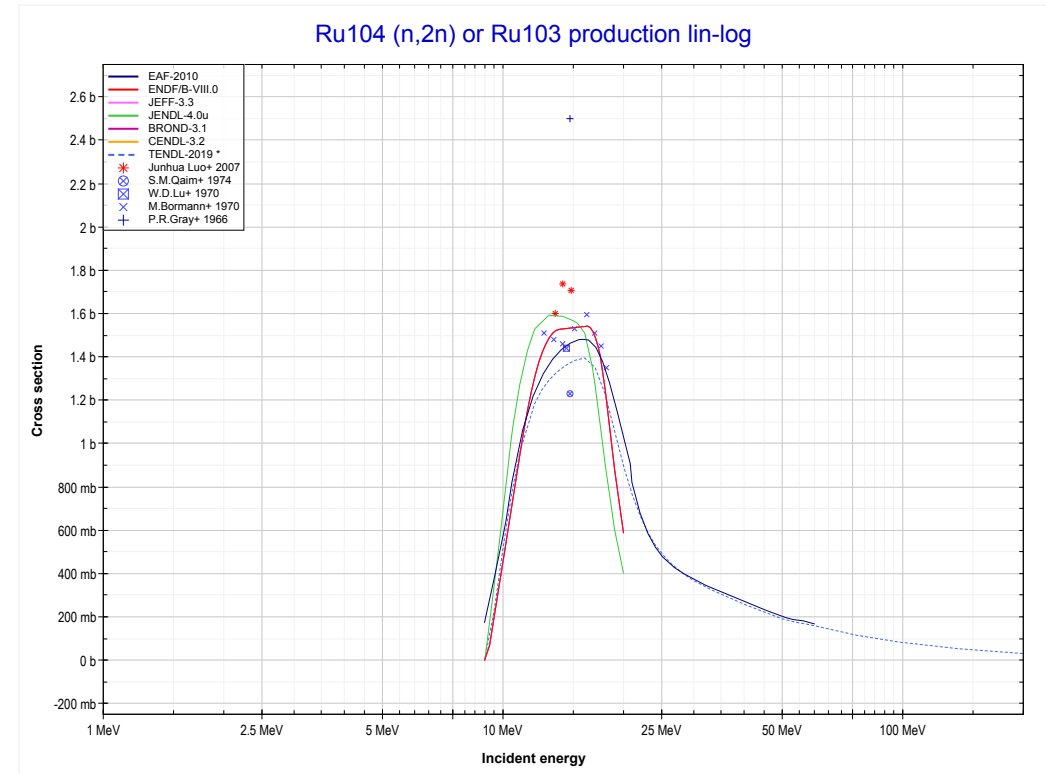
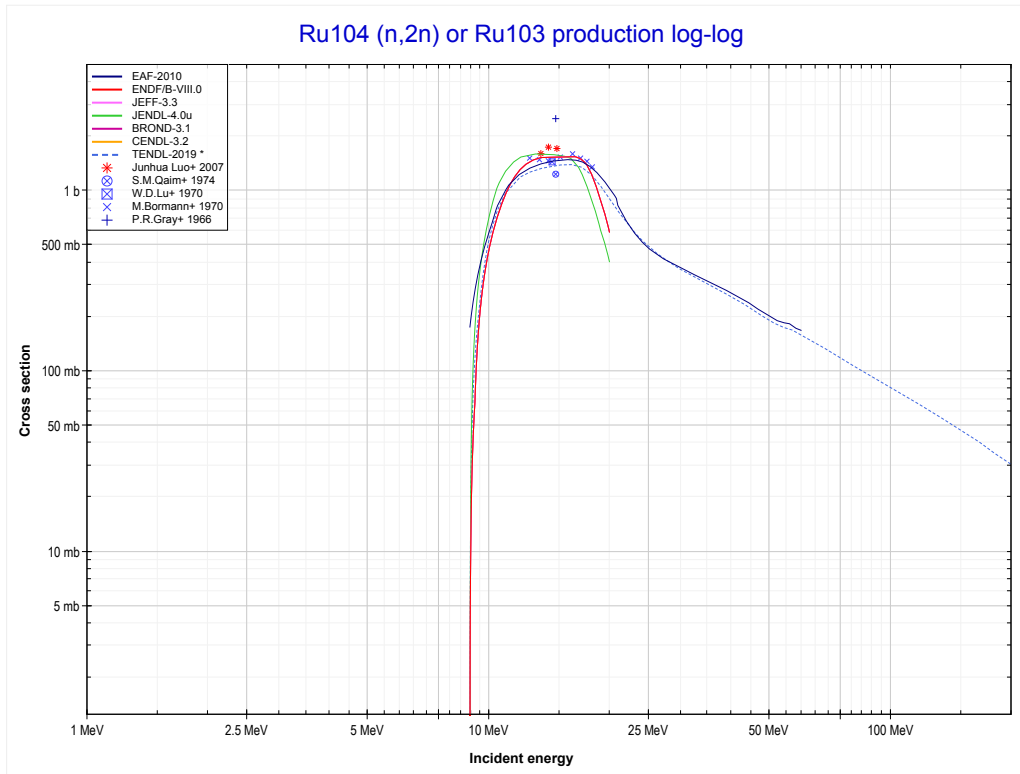
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.37125E-20 b | 1.37125E-20 b | 1.5472E-20 b | 1.12915 | 1.24595E-18 b | 6.36904E-6 b | 0.00521318 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.95958E-5 b | 0.0054551 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.95958E-5 b | 0.0054551 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.71171E-6 b | 0.00526931 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.95958E-5 b | 0.0054551 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.95958E-5 b | 0.0054551 b |
| TENDL-2019 | 1.0049E-20 b | 1.0049E-20 b | 1.134E-20 b | 1.12847 | 1.22073E-19 b | 2.95946E-6 b | 0.00352507 b |

| | | |
|-----------------------------------|--|--------------------------|
| << 44-Ru-102 | 44-Ru-103 | 44-Ru-104 >> |
| << 44-Ru-102 MT107 (n, α) | MT102 (n,γ) or MT5 (Ru104 production) | 44-Ru-104 MT16 (n,2n) >> |



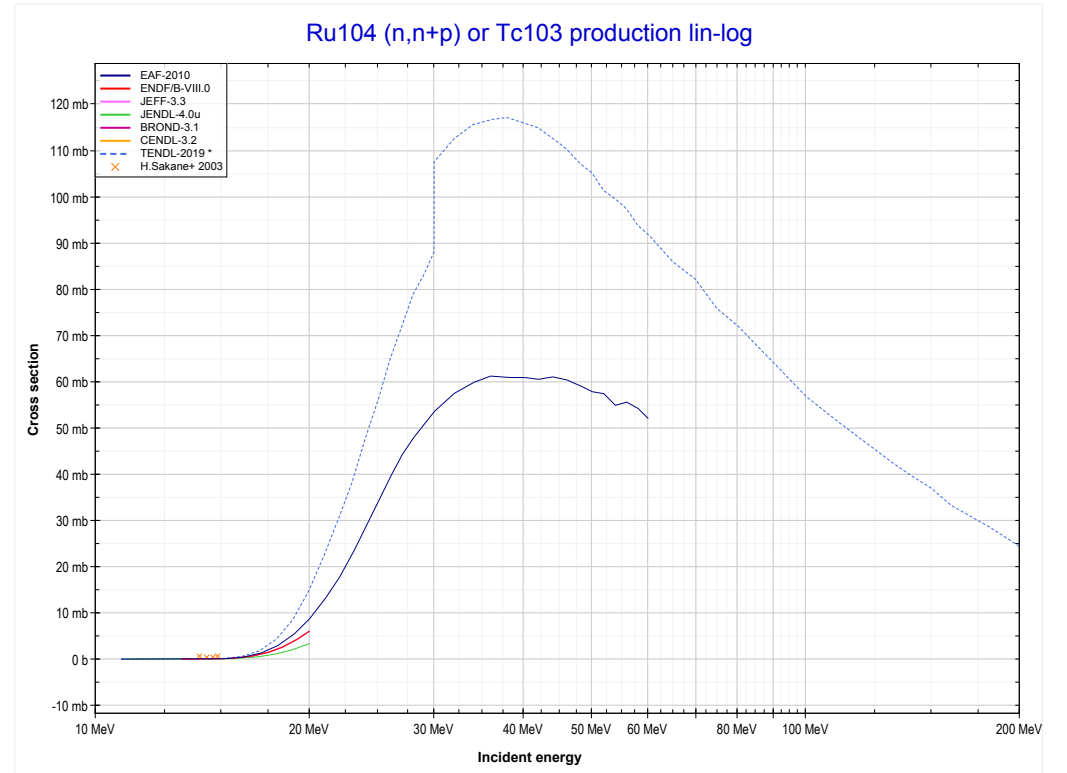
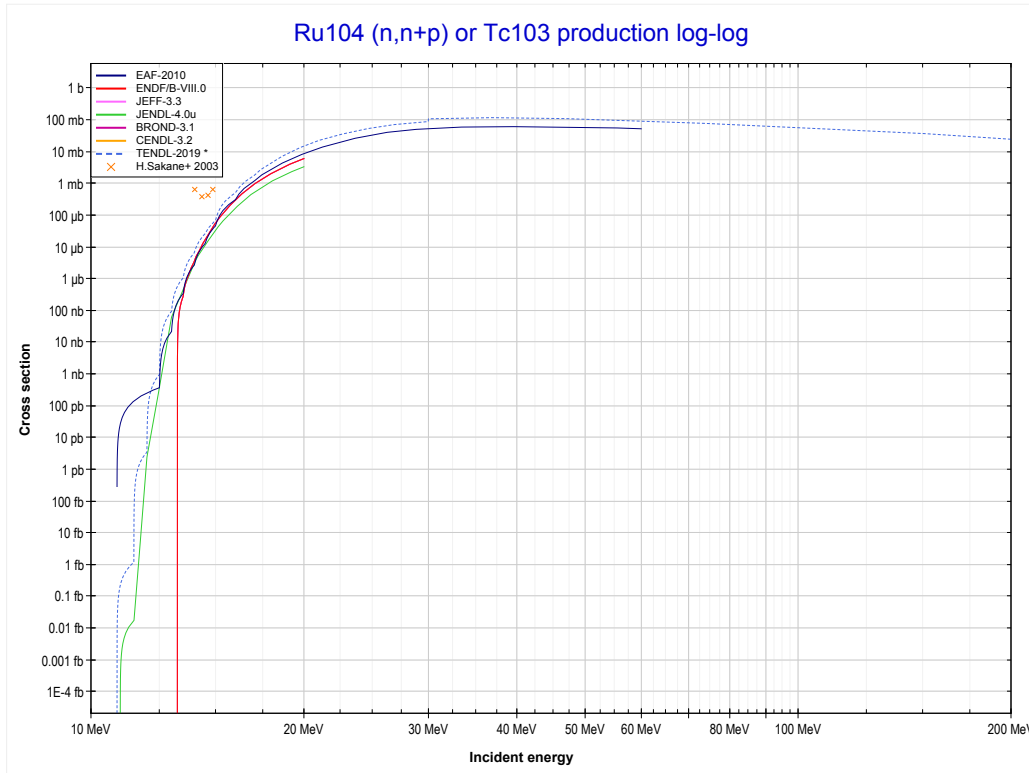
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.17171 b | 1.17086 b | 1.1725 b | 1.0014 | 46.4653 b | 0.0197654 b | 0.00141793 b |
| ENDF/B-VIII.0 | 1.172 b | 1.172 b | 1.174 b | 1.0017 | 46.7365 b | 0.0300017 b | 0.00135 b |
| JEFF-3.3 | 1.172 b | 1.172 b | 1.174 b | 1.0017 | 46.7365 b | 0.0300017 b | 0.00135 b |
| JENDL-4.0u | 9.55329 b | 9.55329 b | 9.4919 b | 0.99357 | 61.7539 b | 0.0337789 b | 0.00100026 b |
| BROND-3.1 | 1.172 b | 1.172 b | 1.174 b | 1.0017 | 46.7365 b | 0.0300017 b | 0.00135 b |
| CENDL-3.2 | 1.17169 b | 1.17169 b | 1.1733 b | 1.00136 | 46.713 b | 0.0300128 b | 0.00135 b |
| TENDL-2019 | 1.19519 b | 1.19519 b | 1.1968 b | 1.00133 | 50.4711 b | 0.0175291 b | 0.00131534 b |

| | | |
|-----------------------------------|--|-----------------|
| << 44-Ru-98 | 44-Ru-104 | 45-Rh-103 >> |
| << 44-Ru-103 MT102 (n, γ) | MT16 (n,2n) or MT5 (Ru103 production) | MT28 (n,n+p) >> |



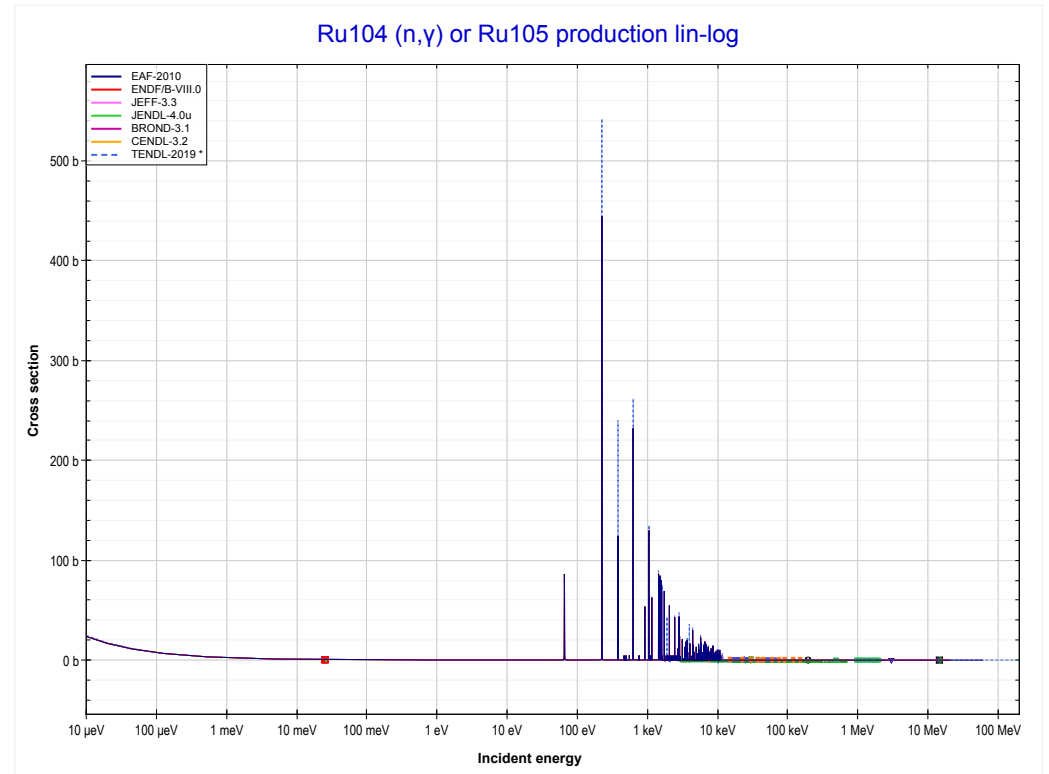
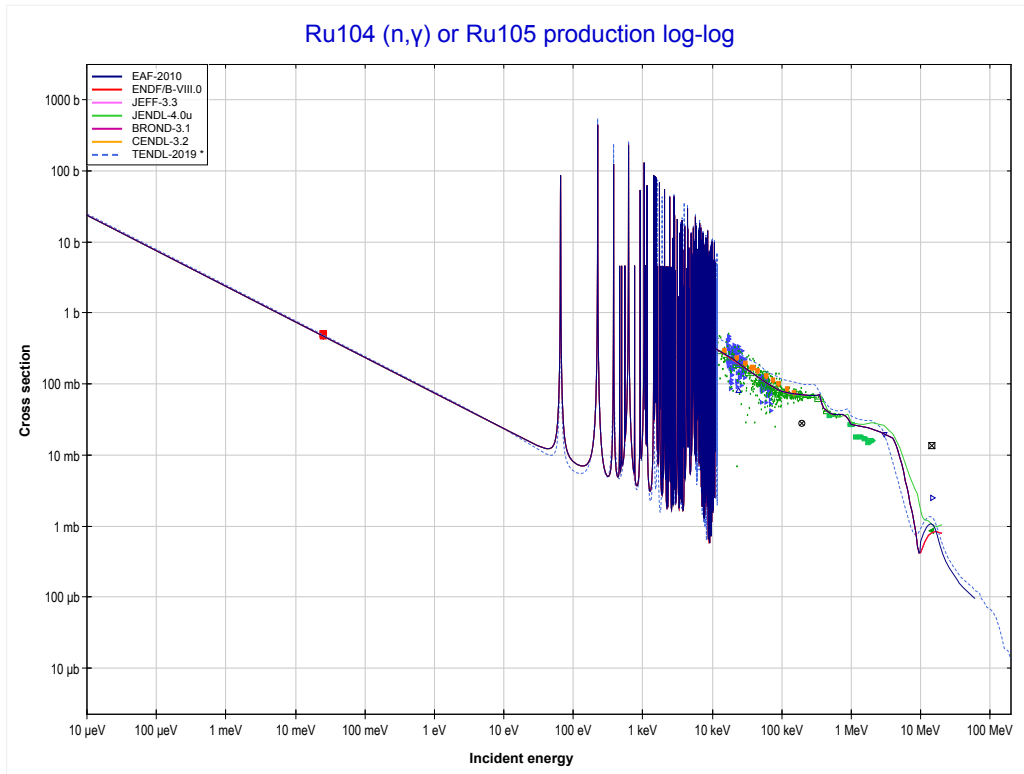
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247339 b | 1.4343 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00229249 b | 1.5285 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00229249 b | 1.5285 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00303158 b | 1.58909 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00229249 b | 1.5285 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00229249 b | 1.5285 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00230773 b | 1.34762 b |

| | | |
|----------------|---|-------------------------|
| << 44-Ru-102 | 44-Ru-104 | 46-Pd-102 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Tc103 production) | MT102 (n, γ) >> |



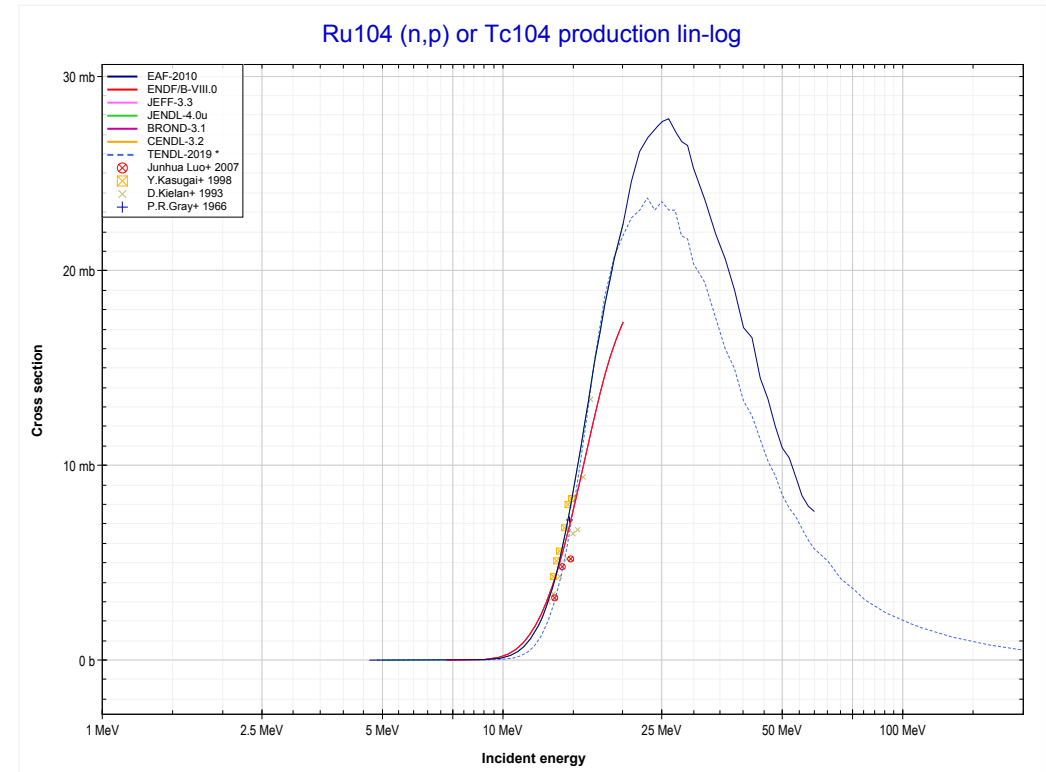
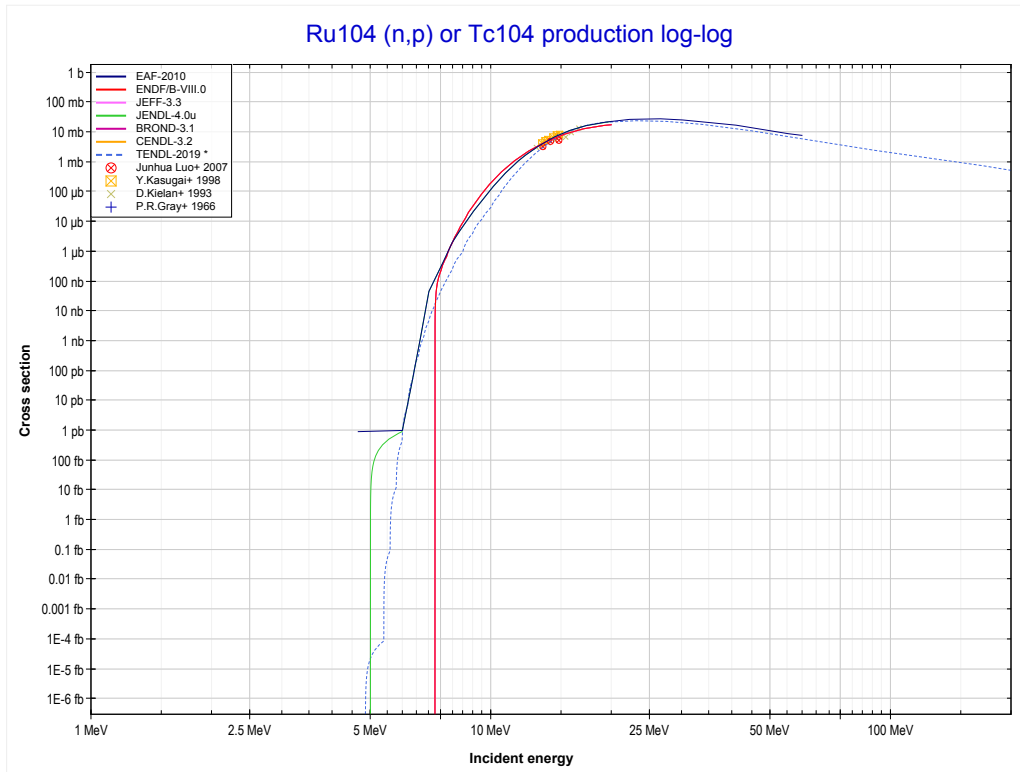
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11836E-8 b | 3.57152E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11836E-8 b | 3.57152E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.28745E-8 b | 3.09957E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11836E-8 b | 3.57152E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.11835E-8 b | 3.57152E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.72774E-8 b | 6.52073E-6 b |

| | | |
|-----------------|--|----------------|
| << 44-Ru-103 | 44-Ru-104 | 44-Ru-105 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ru105 production) | MT103 (n,p) >> |



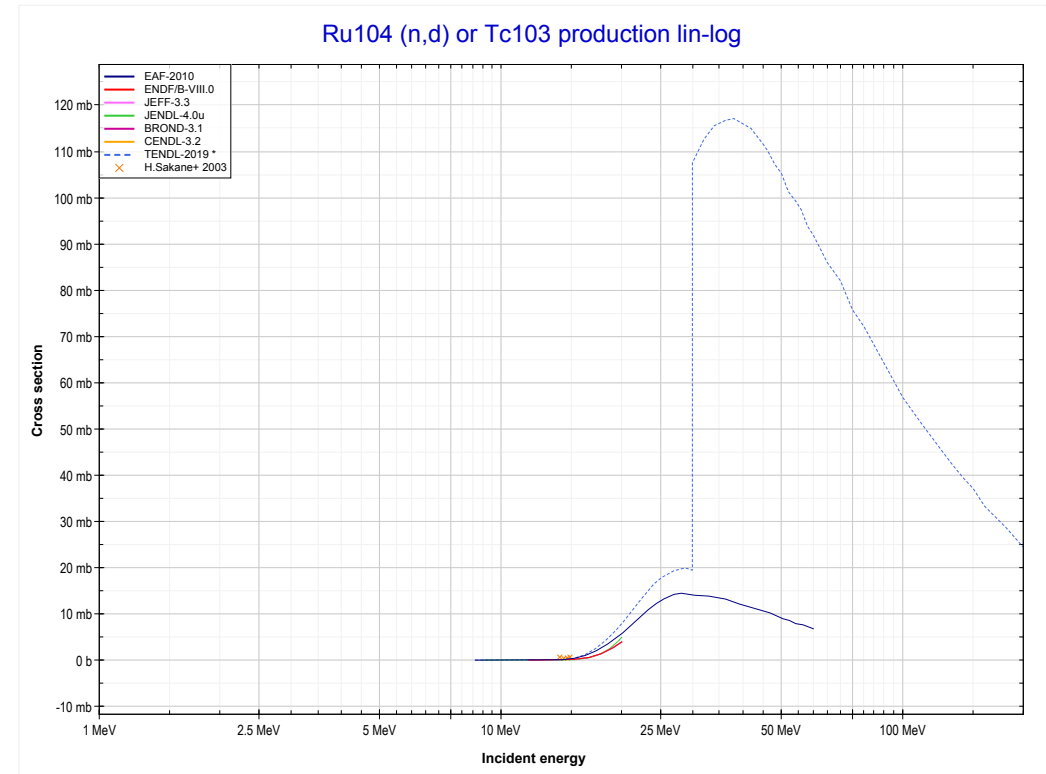
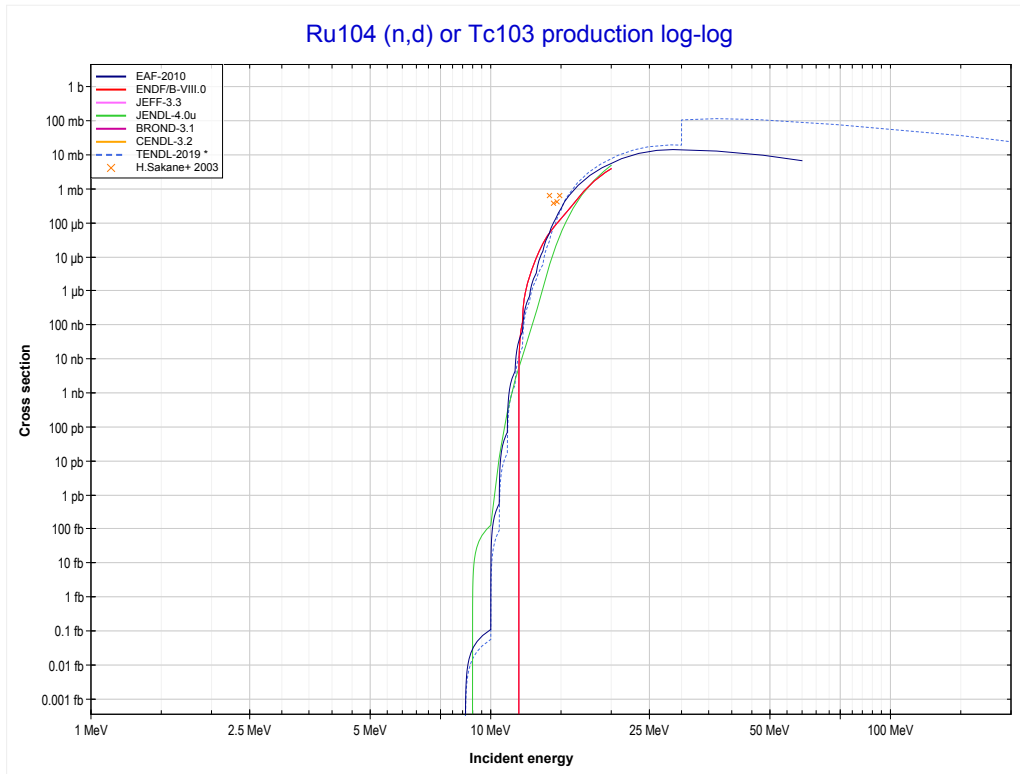
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.47153 b | 0.471188 b | 0.47121 b | 1.00007 | 6.45041 b | 0.0297212 b | 0.00108473 b |
| ENDF/B-VIII.0 | 0.471648 b | 0.471648 b | 0.47183 b | 1.00038 | 6.44792 b | 0.0297141 b | 7.9366E-4 b |
| JEFF-3.3 | 0.471648 b | 0.471648 b | 0.47183 b | 1.00038 | 6.44792 b | 0.0297141 b | 7.9366E-4 b |
| JENDL-4.0u | 0.469135 b | 0.469135 b | 0.46931 b | 1.00038 | 6.446 b | 0.0323128 b | 0.00109335 b |
| BROND-3.1 | 0.471648 b | 0.471648 b | 0.47183 b | 1.00038 | 6.44792 b | 0.0297141 b | 7.9366E-4 b |
| CENDL-3.2 | 0.471522 b | 0.471522 b | 0.47154 b | 1.00004 | 6.44685 b | 0.0297103 b | 7.9366E-4 b |
| TENDL-2019 | 0.493658 b | 0.493658 b | 0.49364 b | 0.99997 | 6.88702 b | 0.035847 b | 0.00135873 b |

| | | |
|-------------------------|--|----------------|
| << 44-Ru-102 | 44-Ru-104 | 45-Rh-103 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tc104 production) | MT104 (n,d) >> |



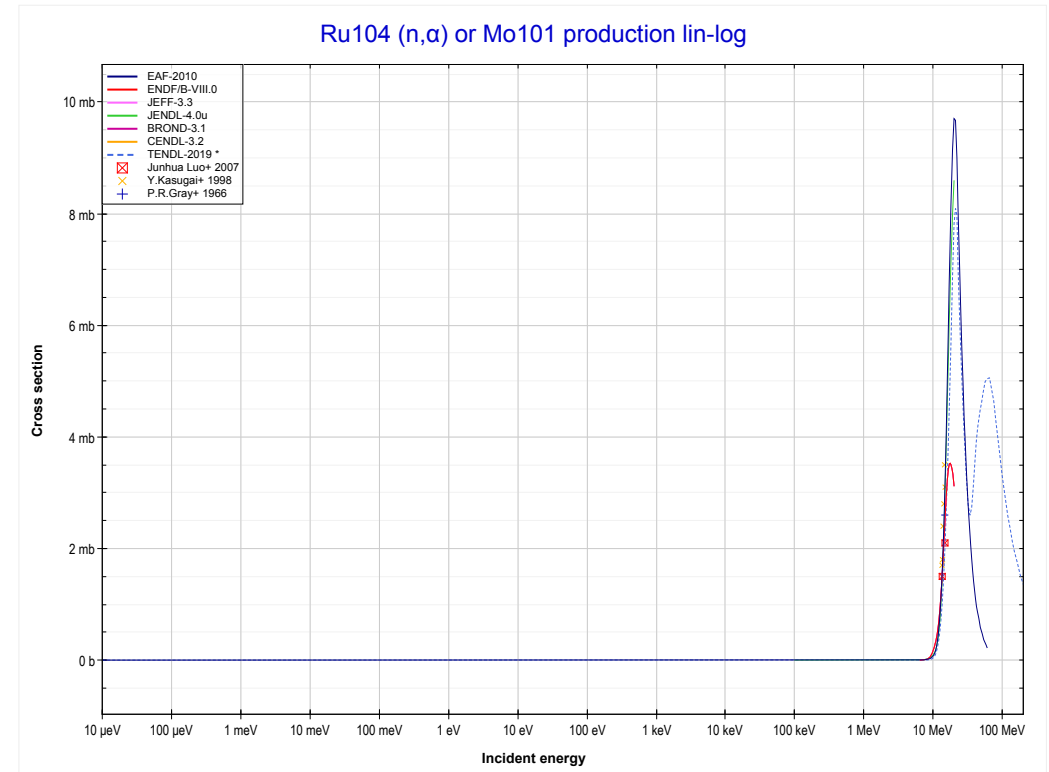
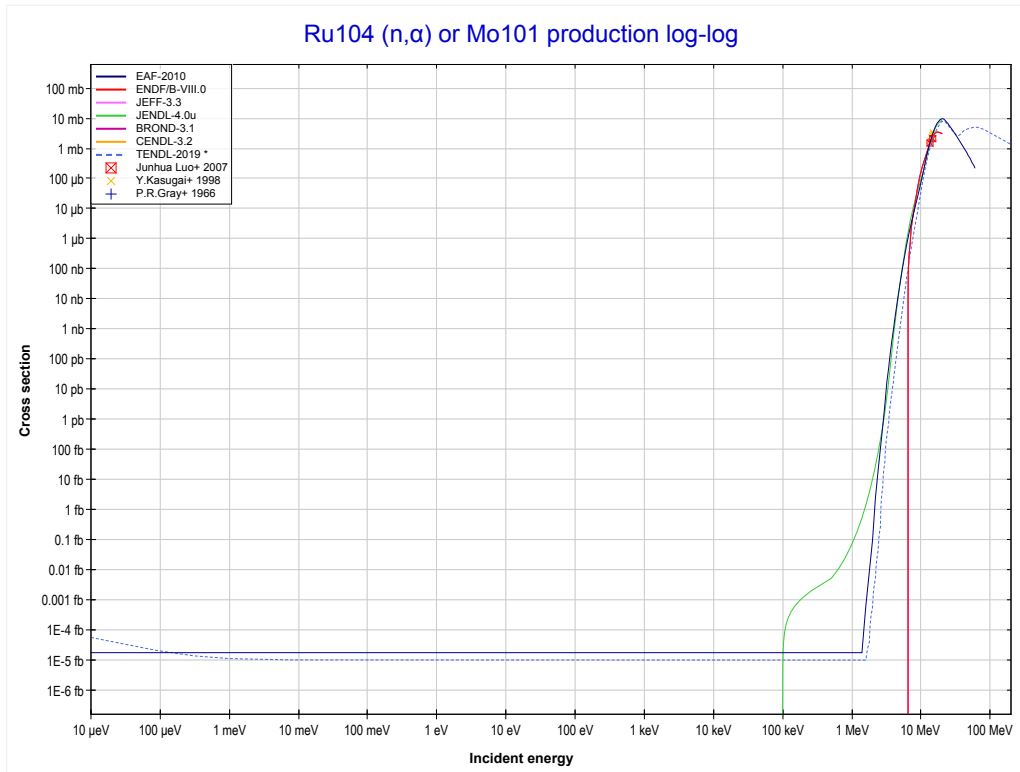
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92133E-6 b | 0.00549551 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17697E-6 b | 0.005237 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17697E-6 b | 0.005237 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.92041E-6 b | 0.00549551 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17697E-6 b | 0.005237 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17696E-6 b | 0.005237 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01697E-6 b | 0.0043117 b |

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|----------------|--|-------------------------|
| << 44-Ru-102 | 44-Ru-104 | 46-Pd-102 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tc103 production) | MT107 (n, α) >> |



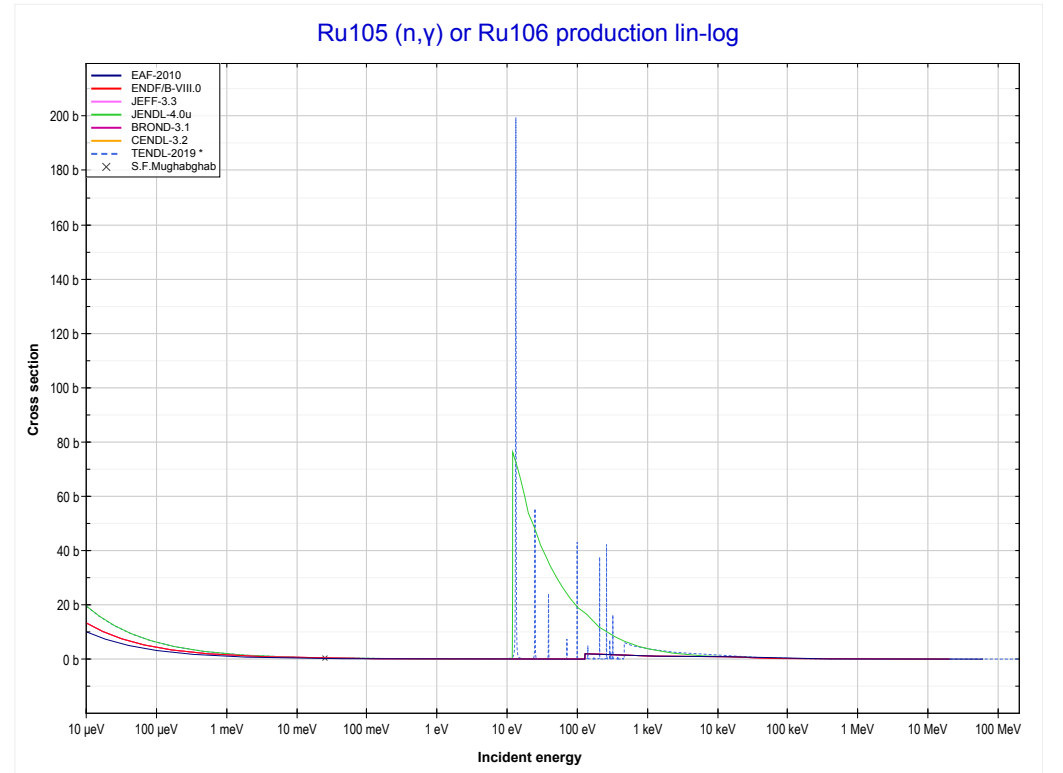
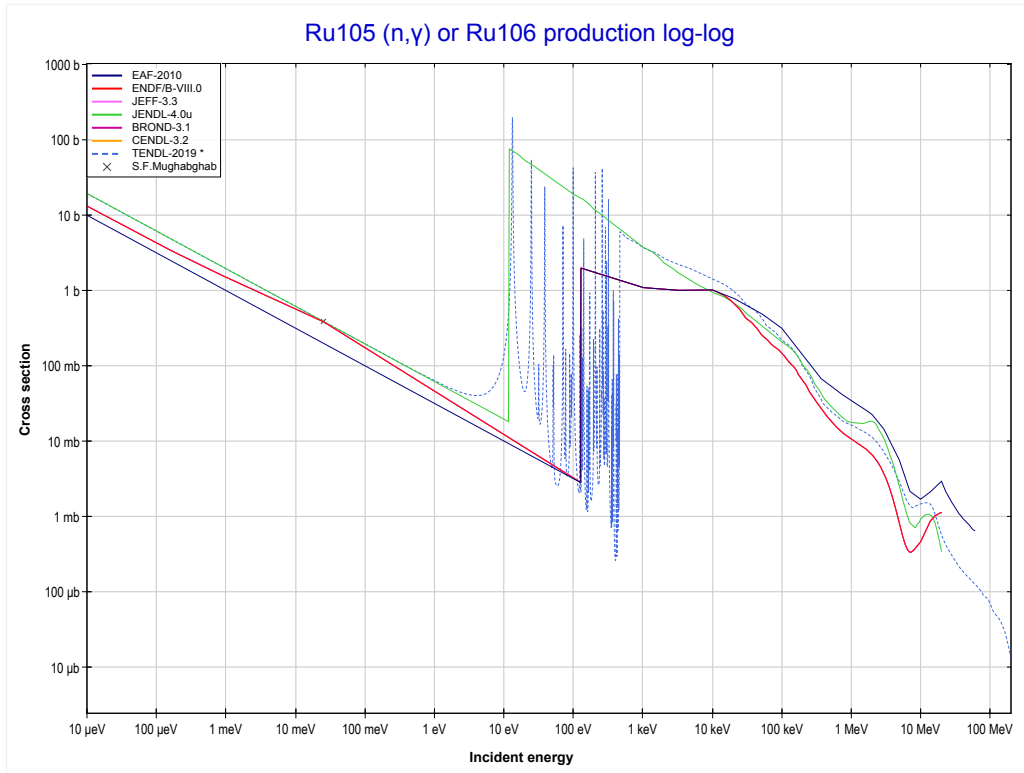
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.92595E-8 b | 4.84105E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32293E-8 b | 5.01287E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32293E-8 b | 5.01287E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.34694E-8 b | 5.56364E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32293E-8 b | 5.01287E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32291E-8 b | 5.01287E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.40014E-8 b | 2.7383E-5 b |

| | | |
|----------------|--|-----------------------------------|
| << 44-Ru-102 | 44-Ru-104 | 45-Rh-103 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Mo101 production) | 44-Ru-105 MT102 (n, γ) >> |



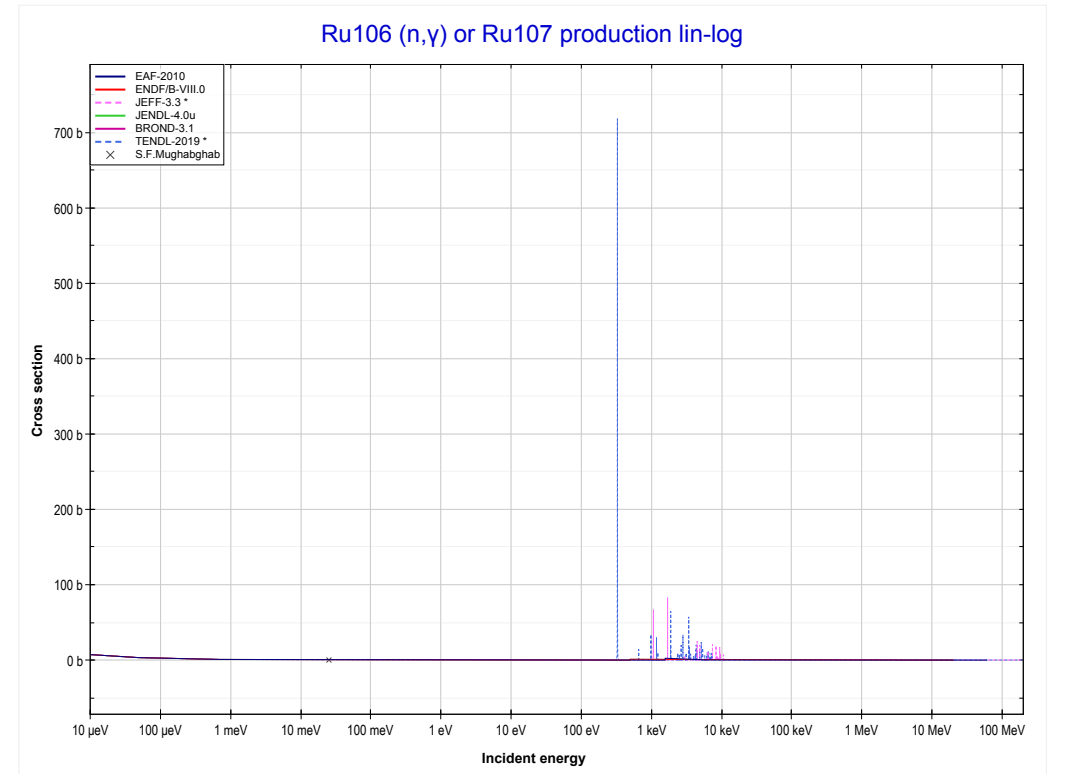
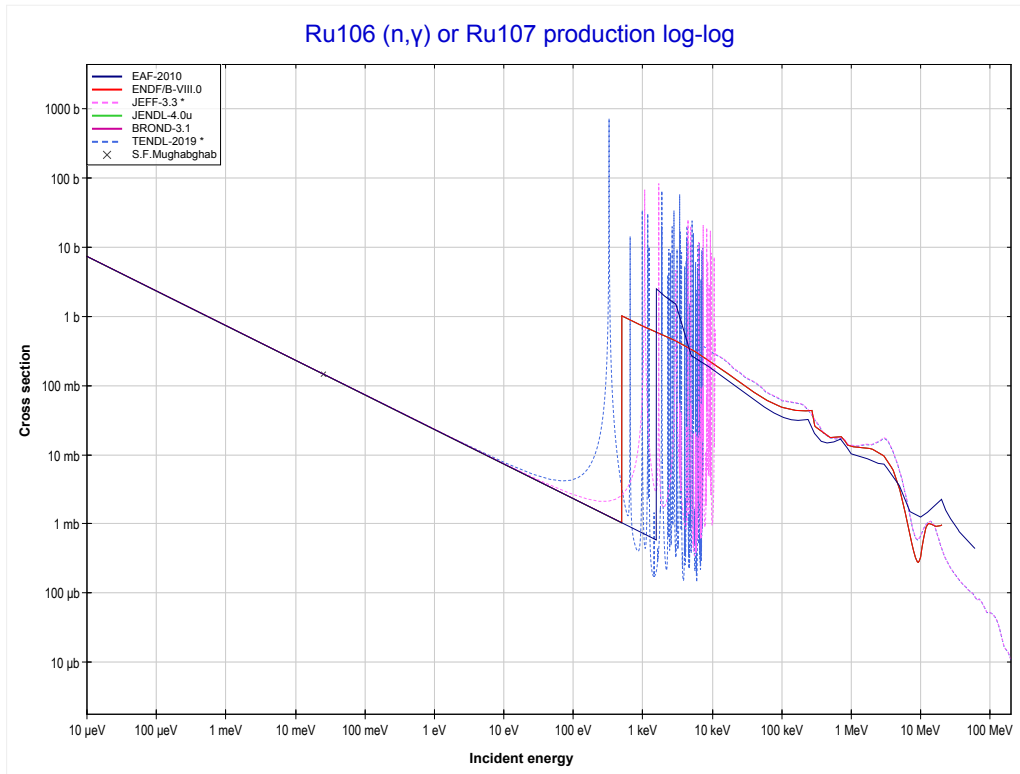
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.76593E-20 b | 1.76593E-20 b | 1.9925E-20 b | 1.12915 | 2.15588E-19 b | 1.33857E-6 b | 0.00211487 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53888E-6 b | 0.00191043 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53888E-6 b | 0.00191043 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.3797E-6 b | 0.001988 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53888E-6 b | 0.00191043 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53887E-6 b | 0.00191043 b |
| TENDL-2019 | 1.0049E-20 b | 1.0049E-20 b | 1.1339E-20 b | 1.12841 | 1.22074E-19 b | 7.98624E-7 b | 0.00136412 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 44-Ru-104 | 44-Ru-105 | 44-Ru-106 >> |
| << 44-Ru-104 MT107 (n, α) | MT102 (n,γ) or MT5 (Ru106 production) | 44-Ru-106 MT102 (n, γ) >> |



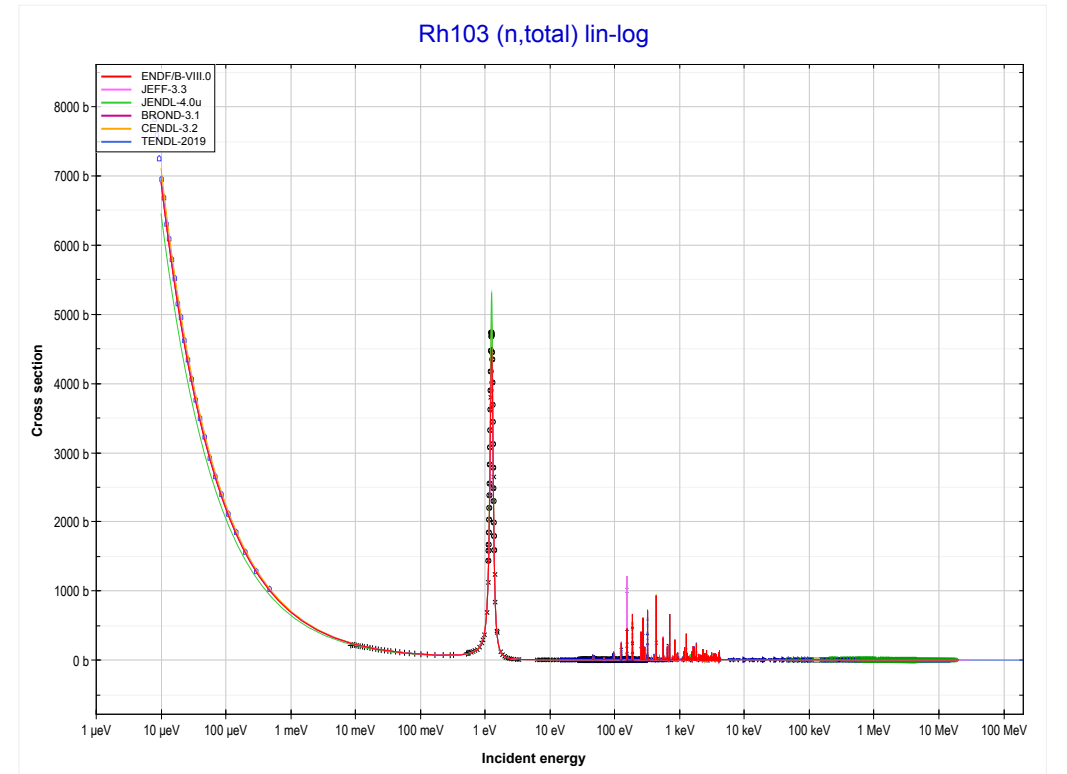
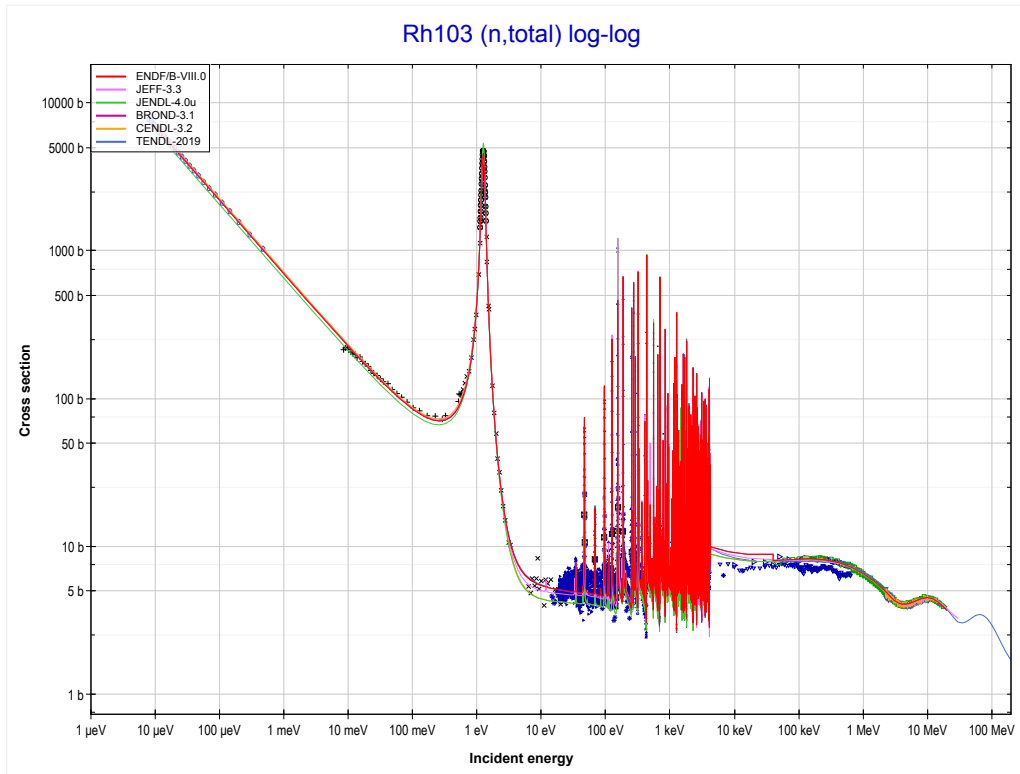
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.200257 b | 0.200107 b | 0.20005 b | 0.99971 | 7.05545 b | 0.0407032 b | 0.00214249 b |
| ENDF/B-VIII.0 | 0.386704 b | 0.386704 b | 0.36741 b | 0.95011 | 6.7505 b | 0.0162887 b | 8.8067E-4 b |
| JEFF-3.3 | 0.386646 b | 0.386646 b | 0.36741 b | 0.95024 | 6.75731 b | 0.0162867 b | 8.8067E-4 b |
| JENDL-4.0u | 0.390118 b | 0.390118 b | 0.39027 b | 1.00039 | 117.422 b | 0.0272306 b | 0.001041 b |
| BROND-3.1 | 0.386646 b | 0.386646 b | 0.36741 b | 0.95024 | 6.75731 b | 0.0162867 b | 8.8067E-4 b |
| CENDL-3.2 | 0.386524 b | 0.386524 b | 0.36717 b | 0.94994 | 6.75082 b | 0.0162979 b | 8.8067E-4 b |
| TENDL-2019 | 0.3882 b | 0.3882 b | 0.38832 b | 1.0003 | 18.0204 b | 0.0255268 b | 0.00144337 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 44-Ru-105 | 44-Ru-106 | 45-Rh-103 >> |
| << 44-Ru-105 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ru107 production) | 45-Rh-103 MT1 (n,total) >> |



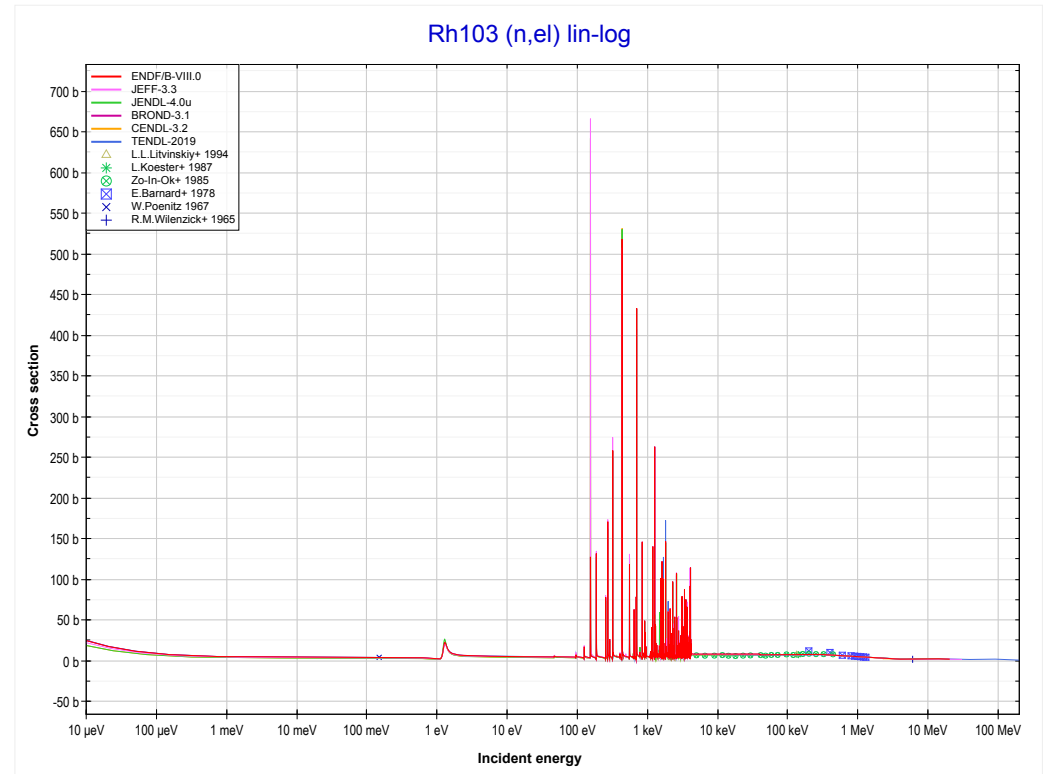
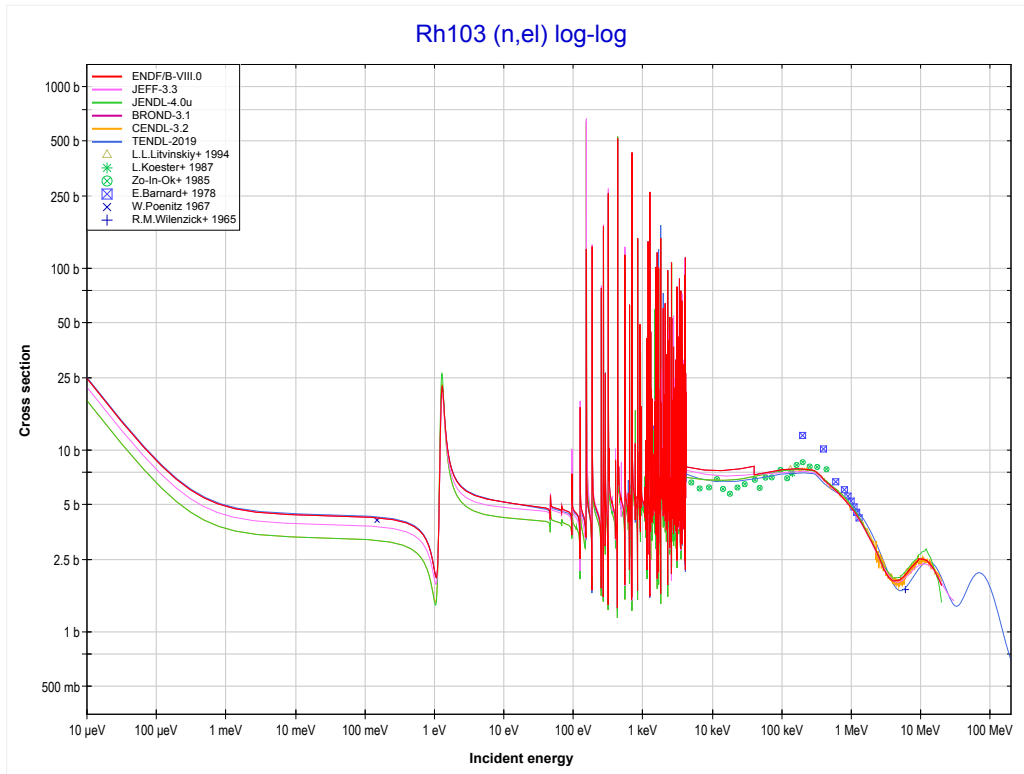
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.146175 b | 0.146066 b | 0.14602 b | 0.99971 | 2.02621 b | 0.0112405 b | 0.00162967 b |
| ENDF/B-VIII.0 | 0.146044 b | 0.146044 b | 0.1461 b | 1.00039 | 1.91745 b | 0.0145257 b | 0.00100282 b |
| JEFF-3.3 | 0.145531 b | 0.145531 b | 0.14559 b | 1.00041 | 1.25863 b | 0.0175339 b | 0.00109435 b |
| JENDL-4.0u | 0.145044 b | 0.145044 b | 0.1451 b | 1.00039 | 1.91713 b | 0.0145296 b | 0.00100282 b |
| BROND-3.1 | 0.146044 b | 0.146044 b | 0.1461 b | 1.00039 | 1.91745 b | 0.0145257 b | 0.00100282 b |
| TENDL-2019 | 0.145232 b | 0.145232 b | 0.14526 b | 1.00016 | 4.80518 b | 0.0173228 b | 0.00109378 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 44-Ru-102 | 45-Rh-103 | 47-Ag-Nat >> |
| << 44-Ru-106 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



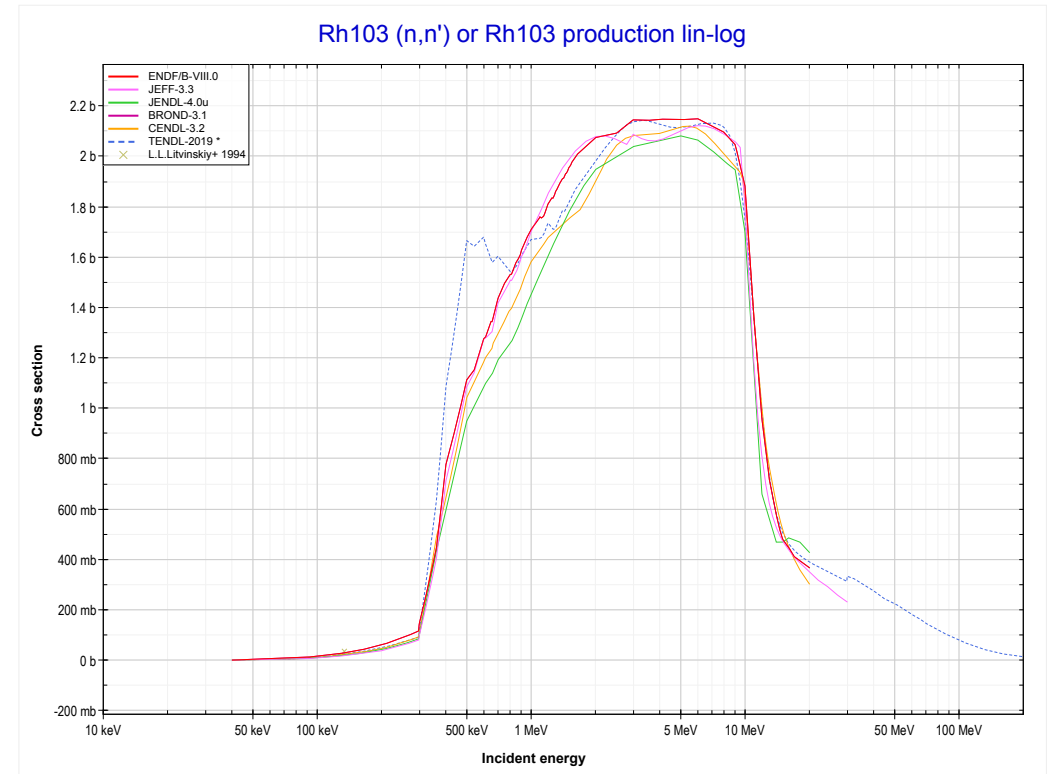
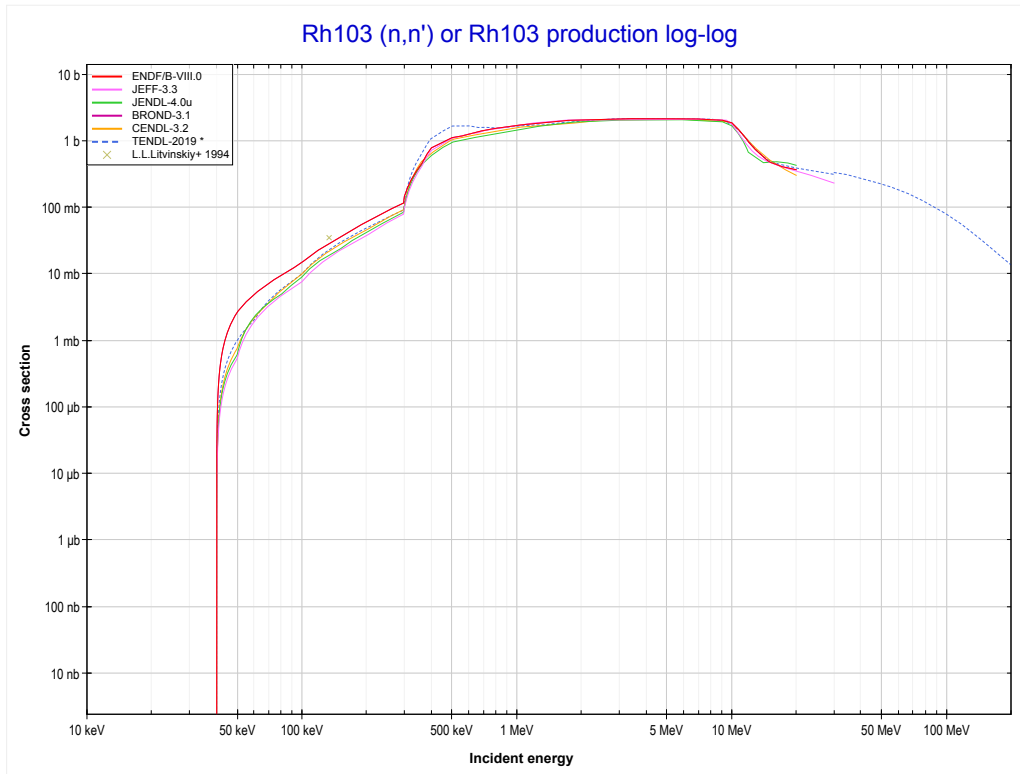
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 146.463 b | 146.463 b | 150.14 b | 1.02509 | 1052.57 b | 5.8001 b | 4.26868 b |
| JEFF-3.3 | 146.626 b | 146.626 b | 150.39 b | 1.02569 | 1053.48 b | 5.75135 b | 4.30619 b |
| JENDL-4.0u | 136.41 b | 136.41 b | 139.9 b | 1.02559 | 1123.07 b | 5.7473 b | 4.33684 b |
| BROND-3.1 | 146.462 b | 146.462 b | 150.14 b | 1.02509 | 1052.57 b | 5.8001 b | 4.26868 b |
| CENDL-3.2 | 149.964 b | 149.964 b | 153.72 b | 1.02503 | 1121.28 b | 5.74756 b | 4.3157 b |
| TENDL-2019 | 147.958 b | 147.958 b | 151.59 b | 1.02454 | 1049.46 b | 5.91197 b | 4.27855 b |

| | | |
|------------------|------------------------|---------------|
| << 44-Ru-102 | 45-Rh-103 | 46-Pd-105 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



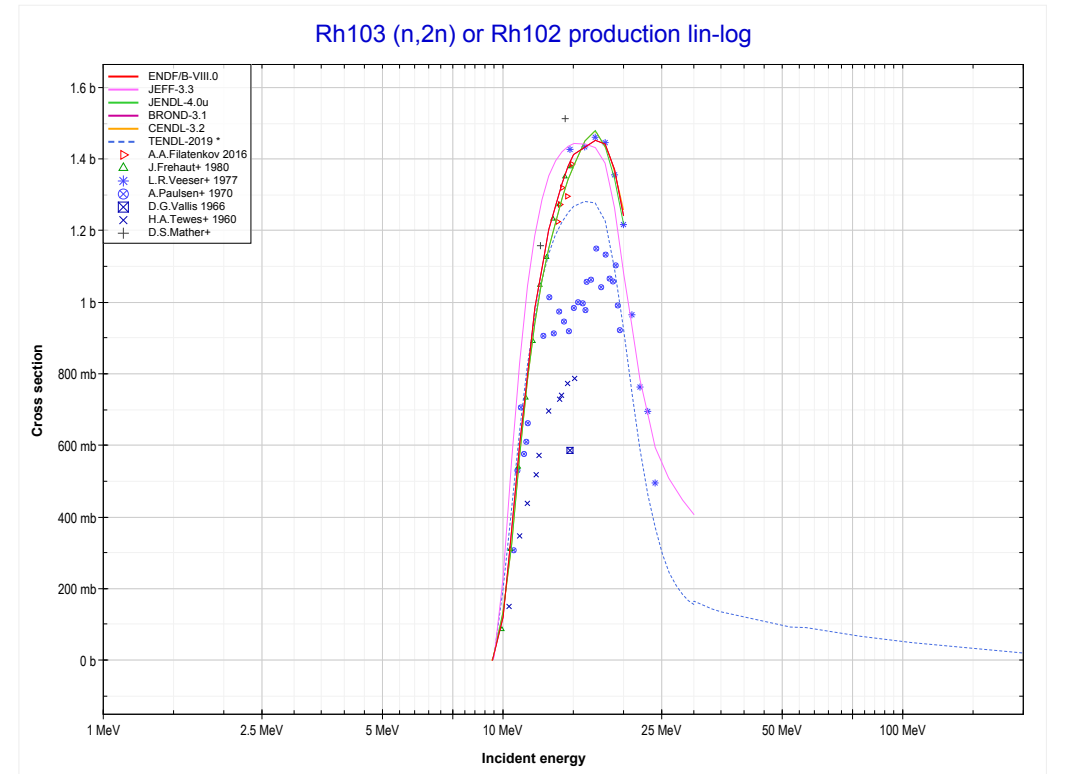
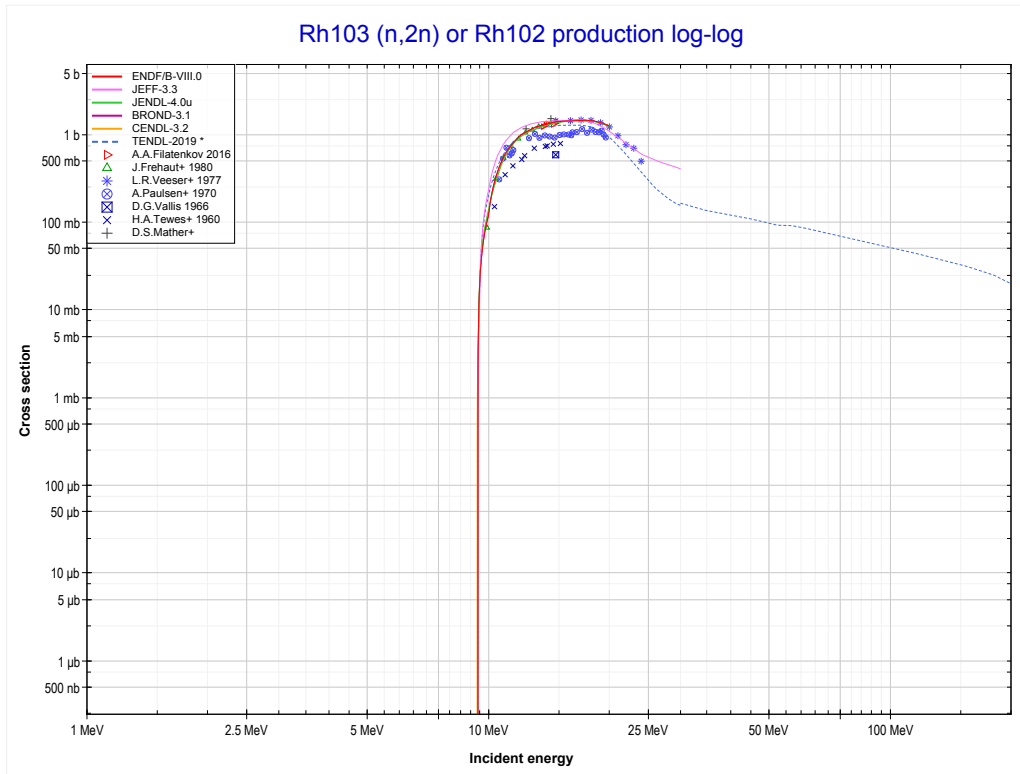
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.34288 b | 4.34288 b | 4.8786 b | 1.12335 | 84.1534 b | 4.01964 b | 2.32627 b |
| JEFF-3.3 | 3.8842 b | 3.8842 b | 4.3631 b | 1.1233 | 84.827 b | 3.98075 b | 2.2737 b |
| JENDL-4.0u | 3.27476 b | 3.27476 b | 3.6758 b | 1.12247 | 78.8362 b | 4.09279 b | 2.5389 b |
| BROND-3.1 | 4.34288 b | 4.34288 b | 4.8786 b | 1.12335 | 84.1534 b | 4.01964 b | 2.32627 b |
| CENDL-3.2 | 3.27536 b | 3.27536 b | 3.6767 b | 1.12254 | 78.5163 b | 4.05538 b | 2.3711 b |
| TENDL-2019 | 4.40145 b | 4.40145 b | 4.9443 b | 1.12334 | 80.8139 b | 4.1128 b | 2.4052 b |

| | | |
|--------------------|---|----------------|
| << 43-Tc-99 | 45-Rh-103 | 47-Ag-107 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Rh103 production) | MT16 (n,2n) >> |



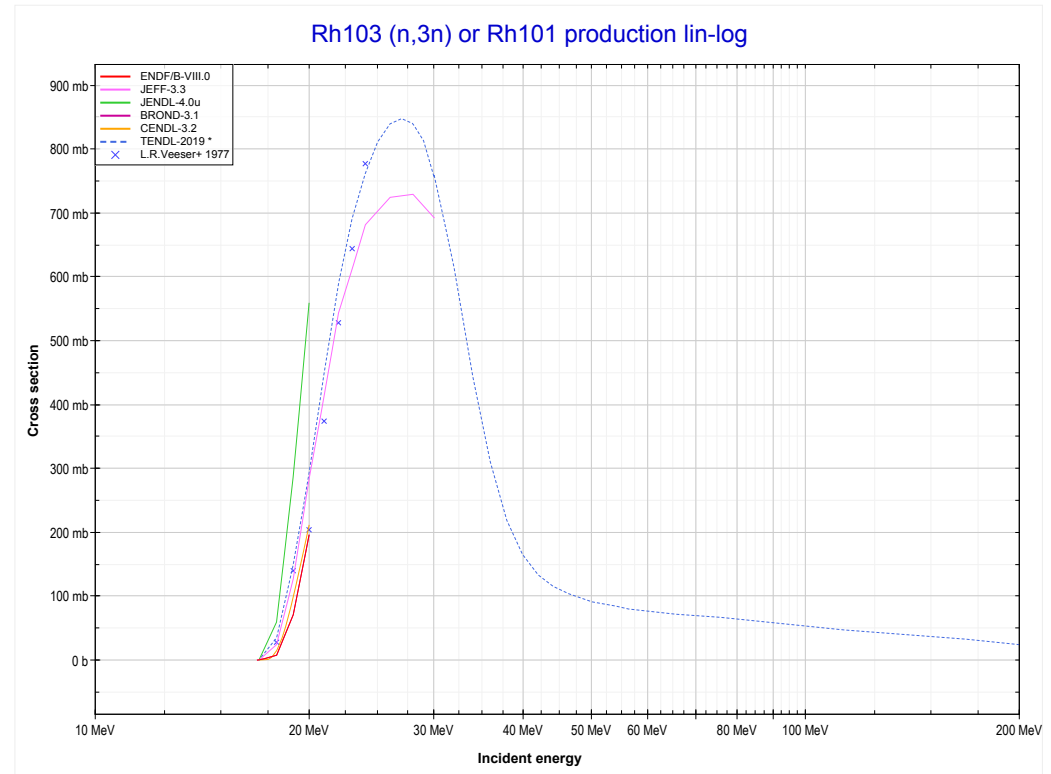
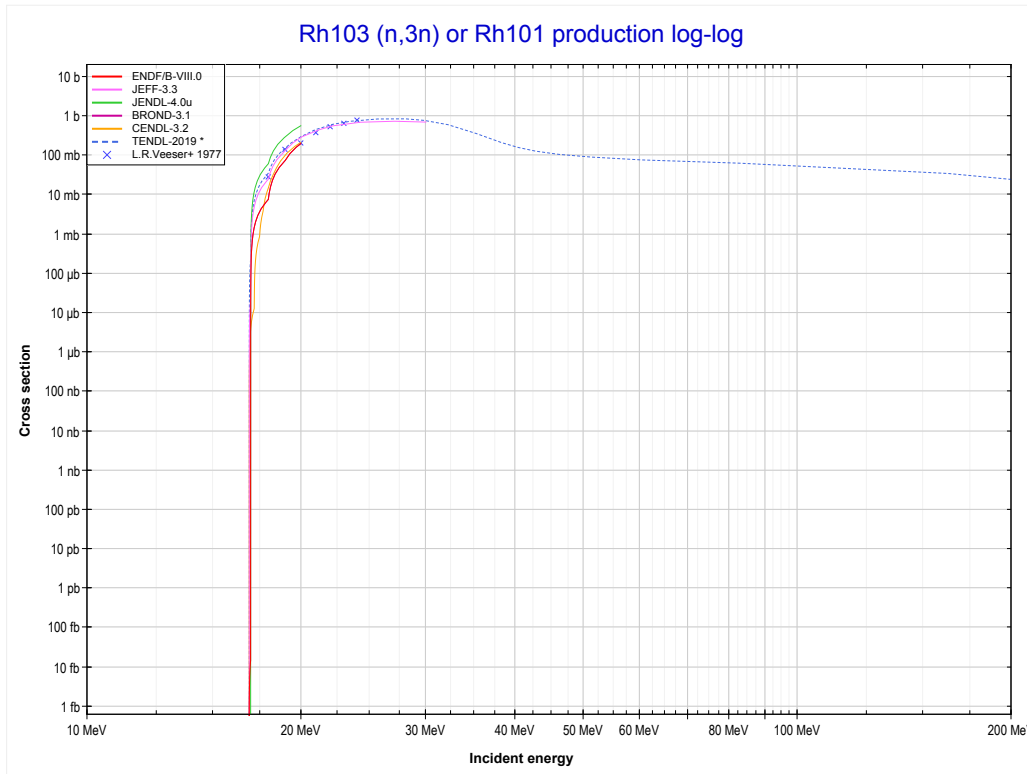
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.00564571 b | 1.70179 b | 0.577469 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.00254349 b | 1.6835 b | 0.527166 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.00285821 b | 1.56154 b | 0.468314 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.00564571 b | 1.70179 b | 0.577469 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.00308908 b | 1.59932 b | 0.62191 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.00321248 b | 1.70906 b | 0.582226 b |

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|---------------|--|----------------|
| << 44-Ru-104 | 45-Rh-103 | 46-Pd-102 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Rh102 production) | MT17 (n,3n) >> |



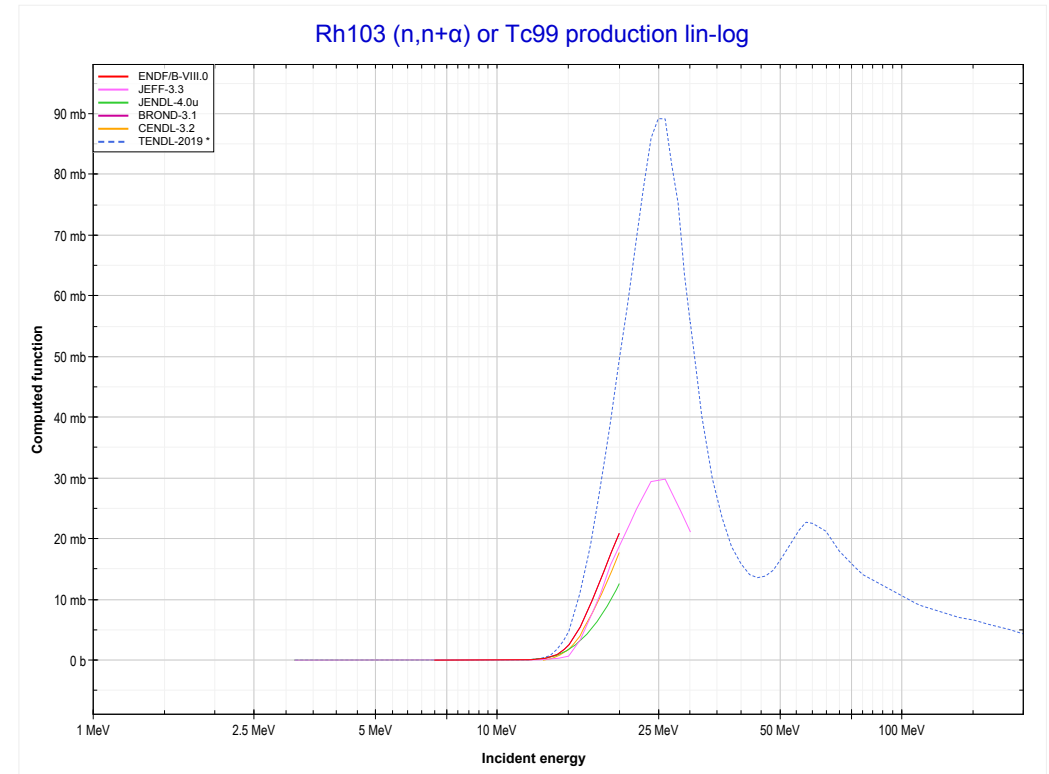
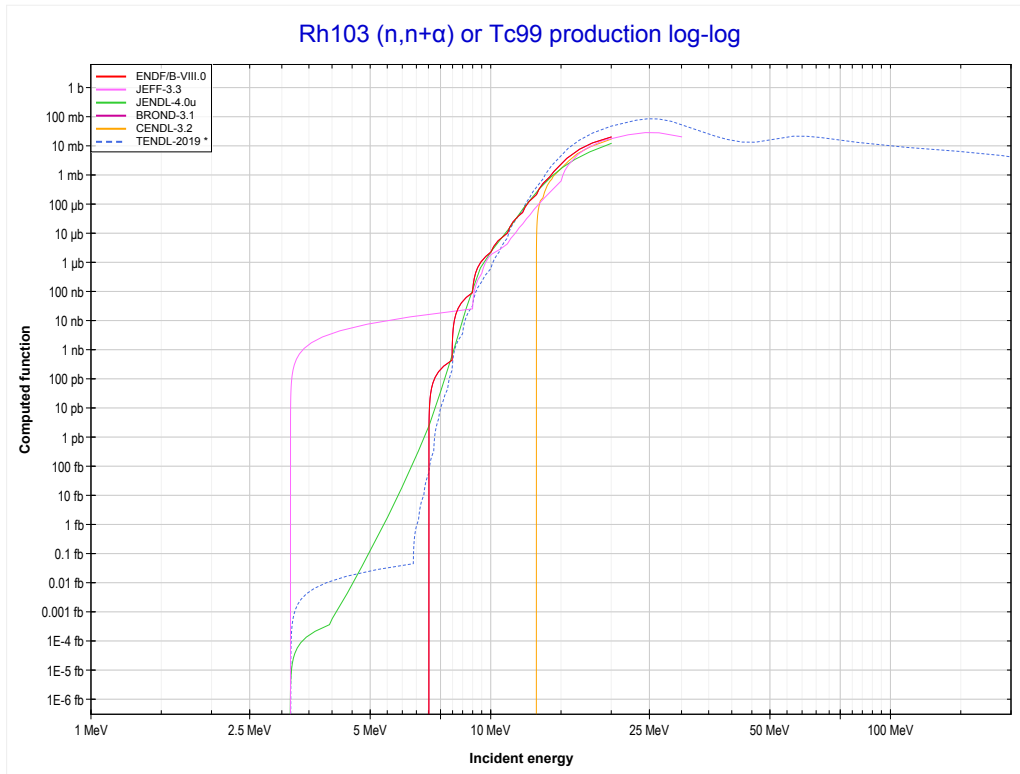
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00135652 b | 1.32728 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00175217 b | 1.41921 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00131105 b | 1.285 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00135652 b | 1.32728 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0013116 b | 1.285 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00142307 b | 1.22216 b |

| | | |
|----------------|--|-----------------|
| << 42-Mo-95 | 45-Rh-103 | 47-Ag-107 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Rh101 production) | MT22 (n,n+α) >> |



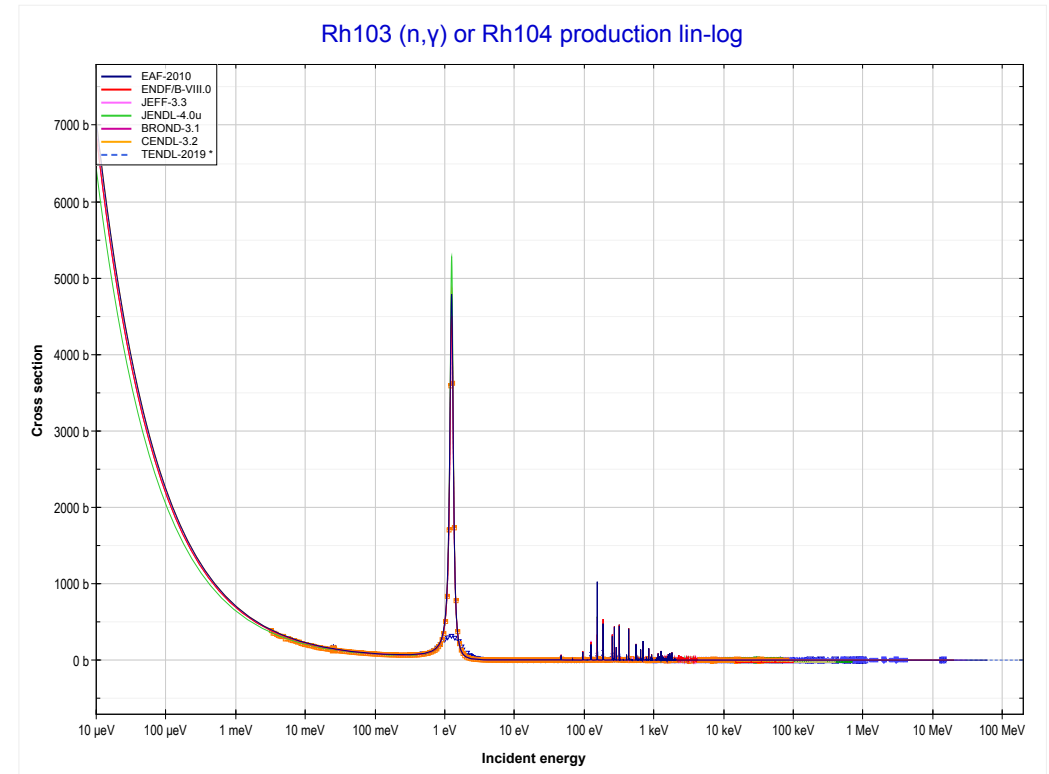
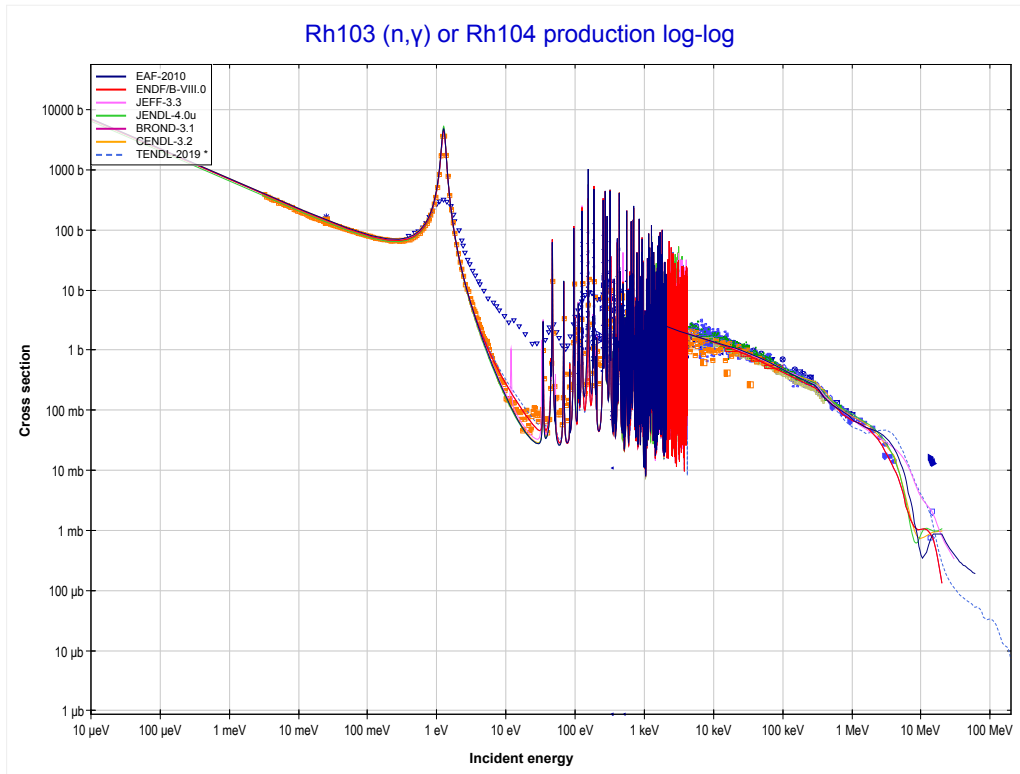
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.65551E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.61192E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.46018E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.65551E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38481E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.78643E-7 b | 0 b |

| | | |
|----------------|--|----------------|
| << 43-Tc-99 | 45-Rh-103 | 47-Ag-107 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Tc99 production) | MT102 (n,γ) >> |



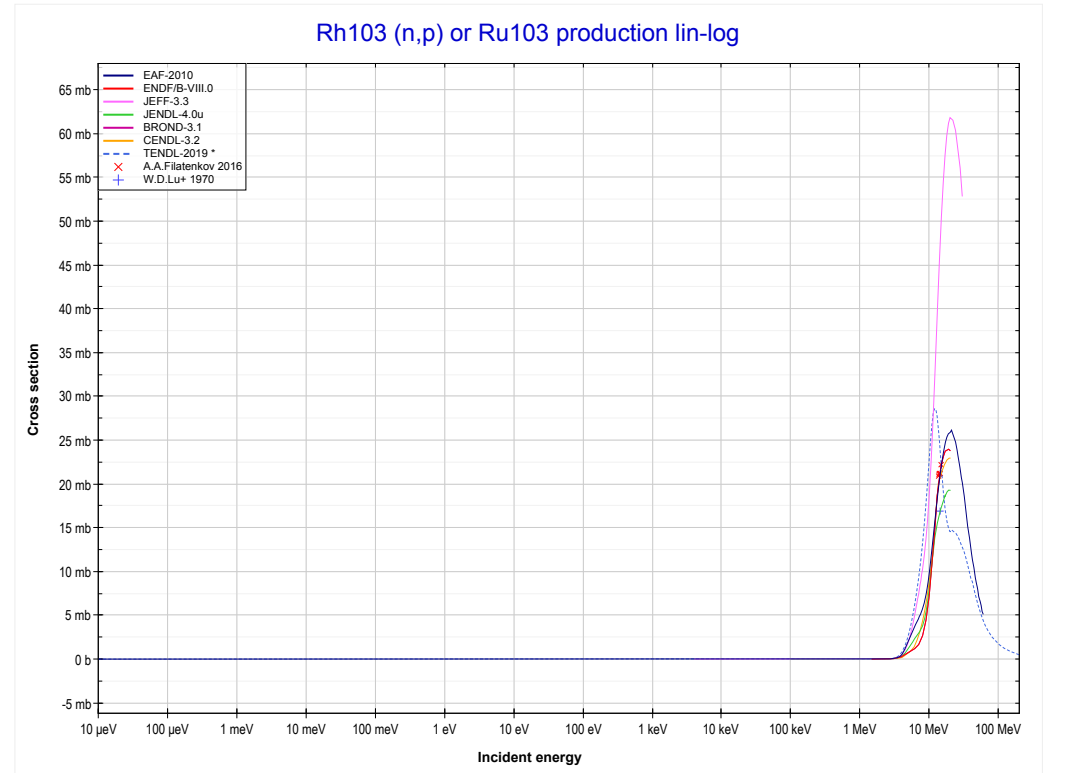
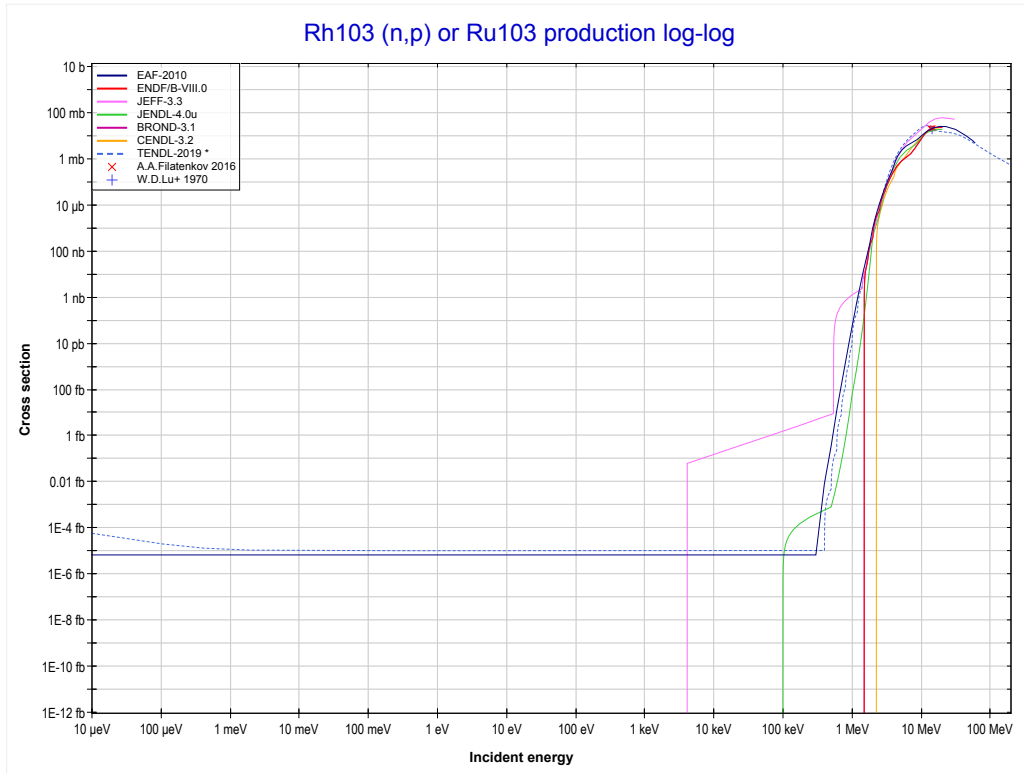
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.80822E-7 b | 8.36219E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27736E-7 b | 2.48429E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.98862E-7 b | 7.82315E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.80822E-7 b | 8.36219E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.80339E-7 b | 5.929E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12924E-6 b | 0.00167625 b |

| | | |
|-----------------|--|----------------|
| << 44-Ru-106 | 45-Rh-103 | 45-Rh-104 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Rh104 production) | MT103 (n,p) >> |



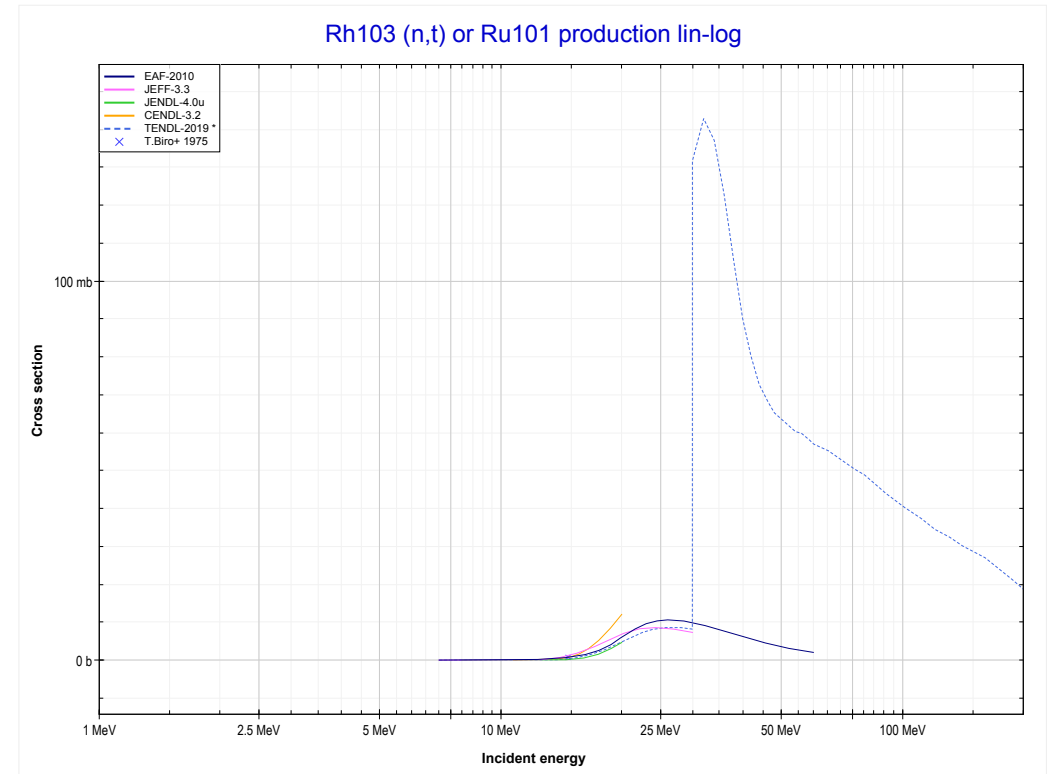
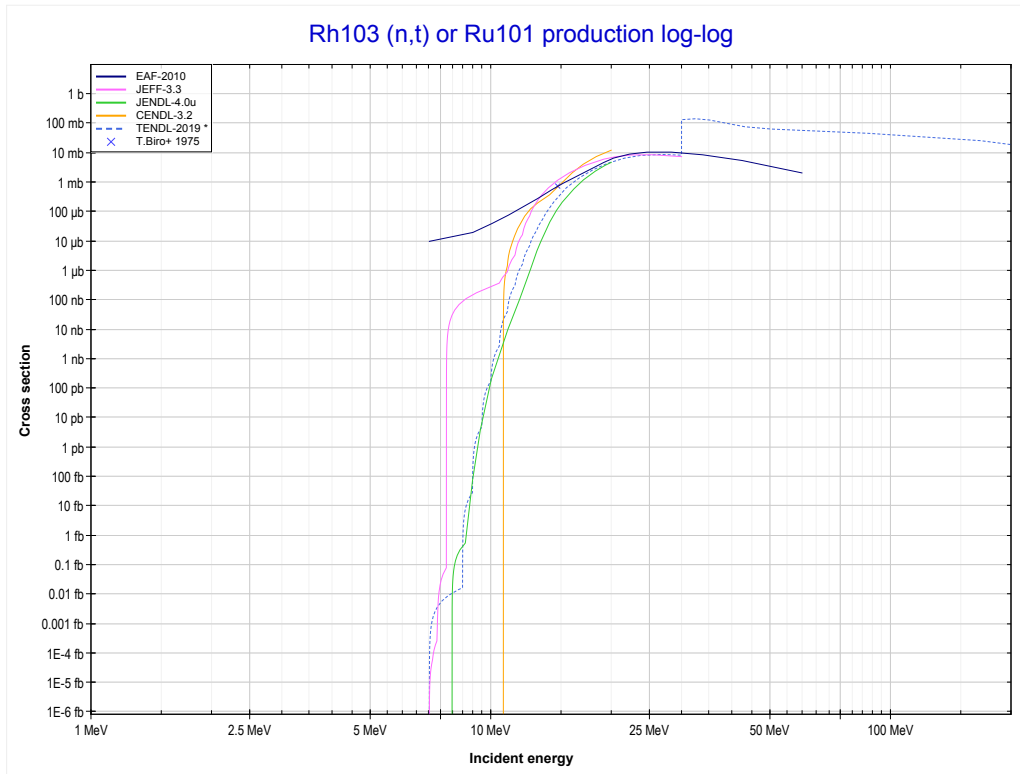
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 146.439 b | 146.339 b | 149.66 b | 1.02277 | 1034.72 b | 0.0854563 b | 7.52598E-4 b |
| ENDF/B-VIII.0 | 142.12 b | 142.12 b | 145.26 b | 1.02209 | 968.411 b | 0.0771373 b | 8.41229E-4 b |
| JEFF-3.3 | 142.742 b | 142.742 b | 146.03 b | 1.02303 | 968.654 b | 0.0848557 b | 0.00220336 b |
| JENDL-4.0u | 133.136 b | 133.136 b | 136.23 b | 1.02321 | 1044.23 b | 0.0914033 b | 0.00100429 b |
| BROND-3.1 | 142.12 b | 142.12 b | 145.26 b | 1.02209 | 968.411 b | 0.0771373 b | 8.41229E-4 b |
| CENDL-3.2 | 146.689 b | 146.689 b | 150.04 b | 1.02284 | 1042.76 b | 0.0912104 b | 9.083E-4 b |
| TENDL-2019 | 143.556 b | 143.556 b | 146.64 b | 1.0215 | 968.633 b | 0.086917 b | 0.00170336 b |

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|-------------------------|--|----------------|
| << 44-Ru-104 | 45-Rh-103 | 46-Pd-102 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ru103 production) | MT105 (n,t) >> |



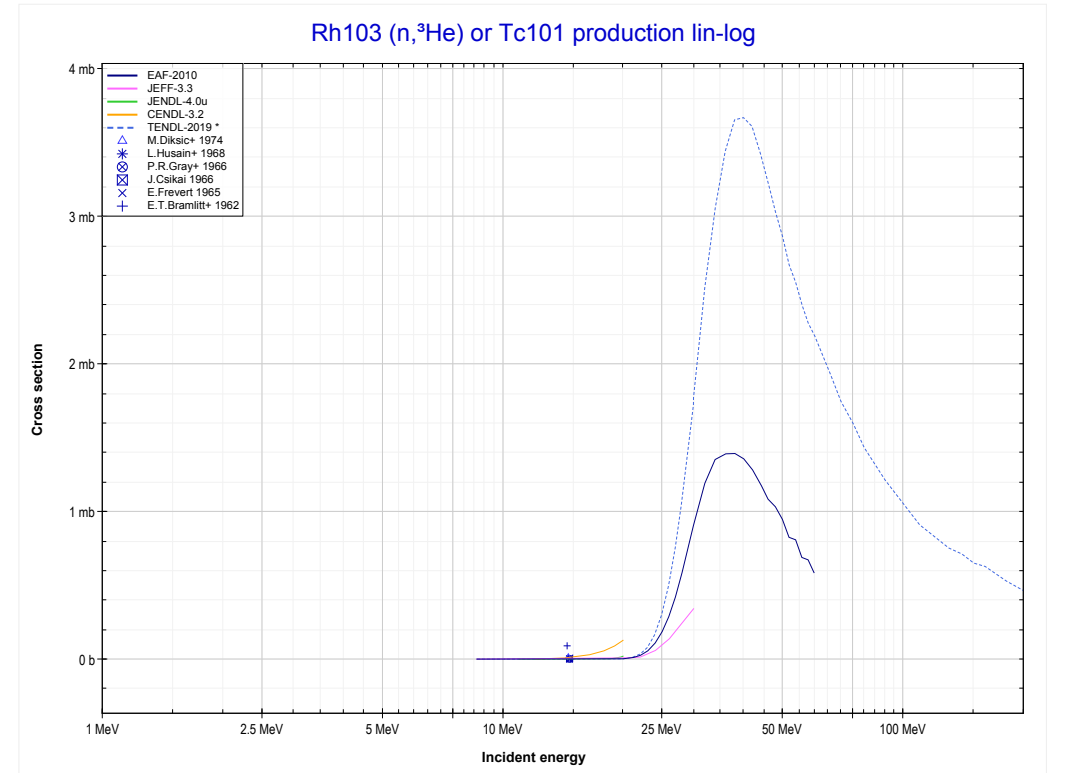
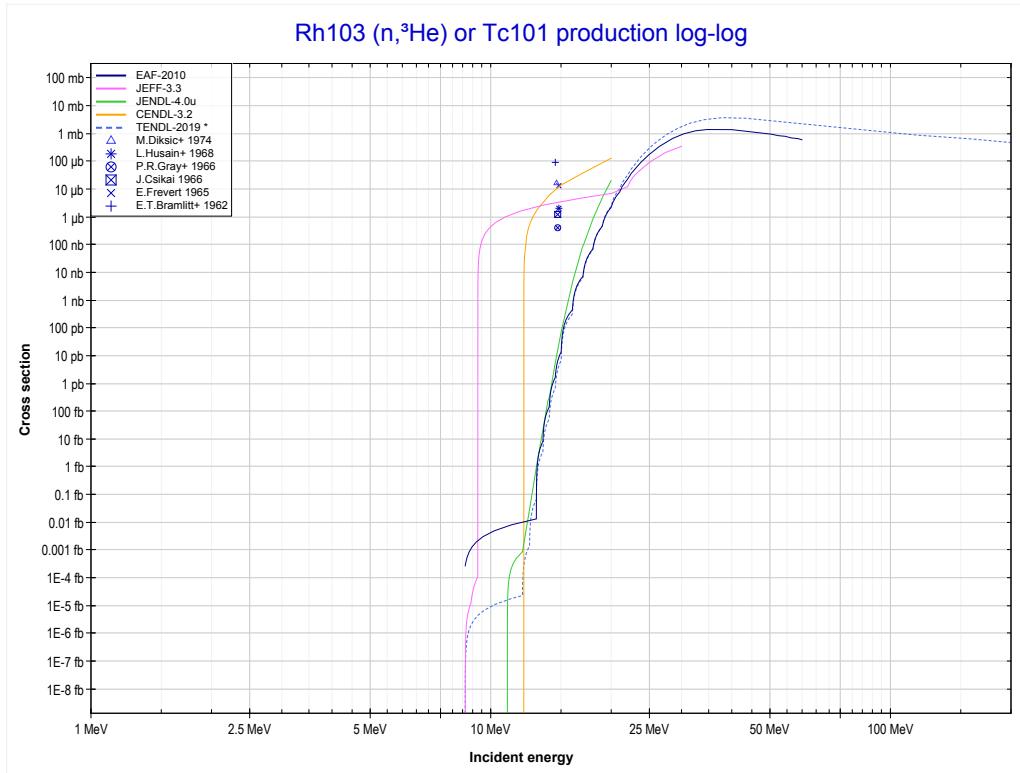
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 6.56802E-21 b | 6.56802E-21 b | 7.4107E-21 b | 0 | 8.0186E-20 b | 3.33205E-4 b | 0.0203444 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53318E-4 b | 0.0206192 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.43432E-15 b | 4.5451E-4 b | 0.0452261 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 4.03975E-31 b | 2.19422E-4 b | 0.0165125 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53318E-4 b | 0.0206192 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74144E-4 b | 0.020472 b |
| TENDL-2019 | 1.0049E-20 b | 1.0049E-20 b | 1.134E-20 b | 1.12843 | 1.22074E-19 b | 5.75815E-4 b | 0.0251453 b |

| | | |
|----------------|--|-------------------------------|
| << 42-Mo-92 | 45-Rh-103 | 46-Pd-102 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ru101 production) | MT106 (n, ³ He) >> |



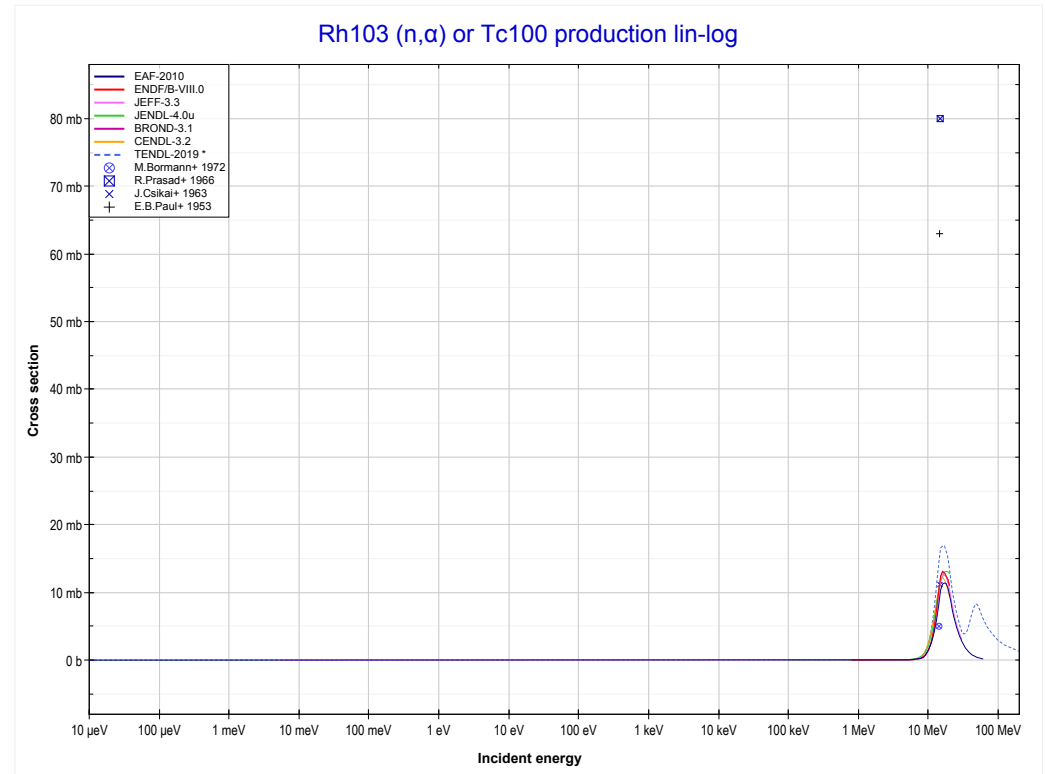
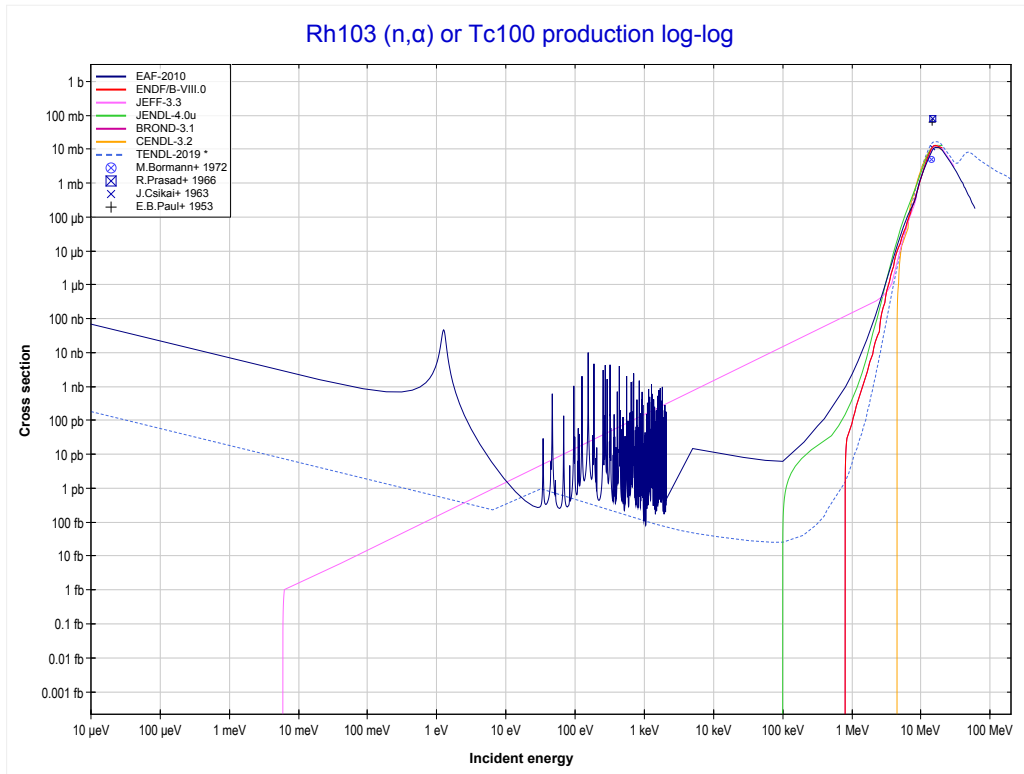
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.61453E-7 b | 4.71321E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.82174E-7 b | 6.7049E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.48349E-8 b | 4.05483E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.61761E-7 b | 3.6E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.37336E-8 b | 1.24896E-4 b |

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|----------------|---|----------------|
| << 43-Tc-99 | 45-Rh-103 | 47-Ag-109 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Tc101 production) | MT107 (n,α) >> |



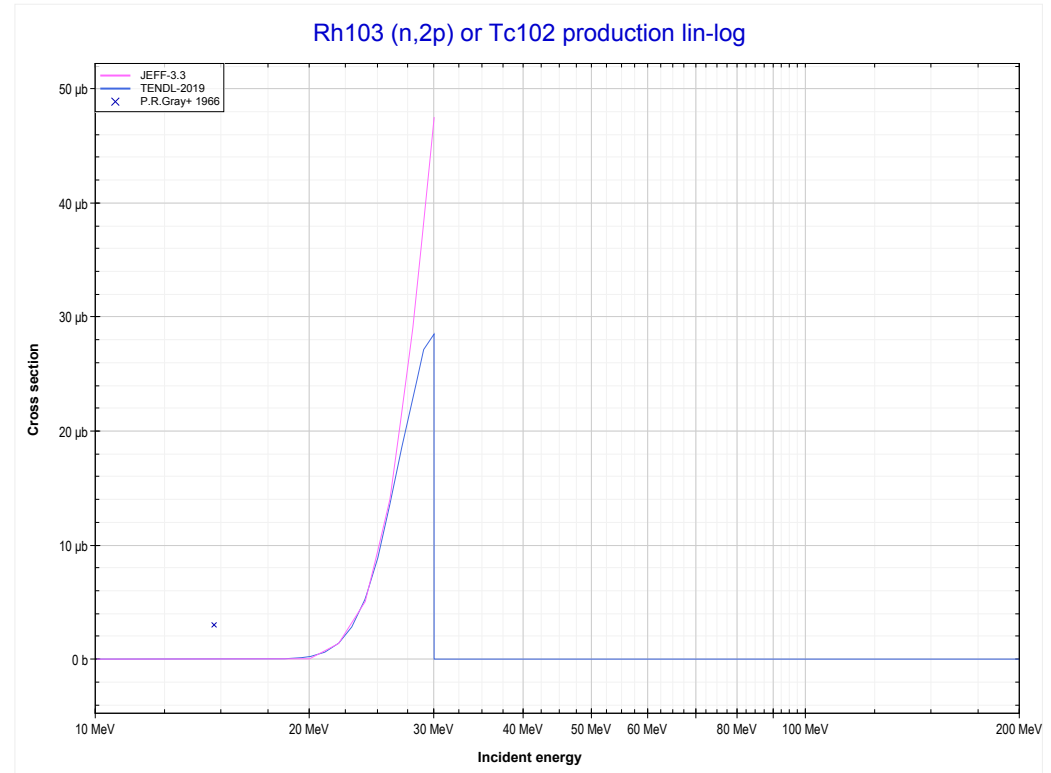
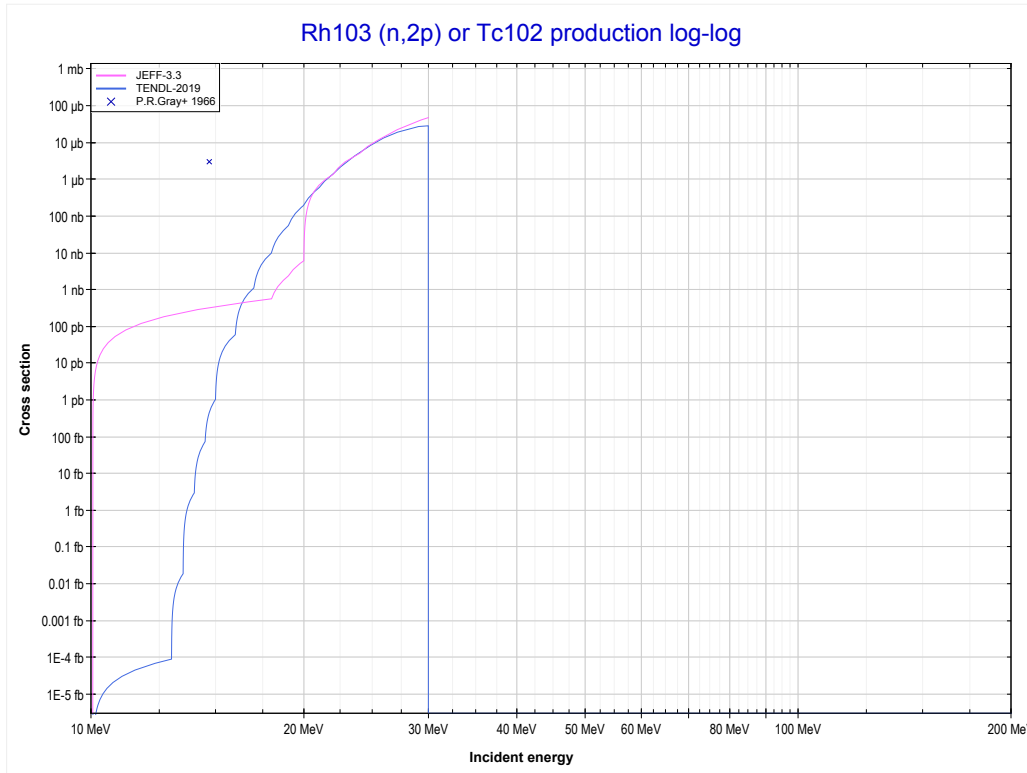
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21956E-12 b | 1.41949E-13 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87033E-9 b | 2.90521E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.66469E-11 b | 3.0455E-13 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.7797E-9 b | 5.9327E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.34574E-12 b | 5.3531E-14 b |

| | | |
|-------------------------------|--|-----------------|
| << 44-Ru-104 | 45-Rh-103 | 46-Pd-106 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Tc100 production) | MT111 (n,2p) >> |



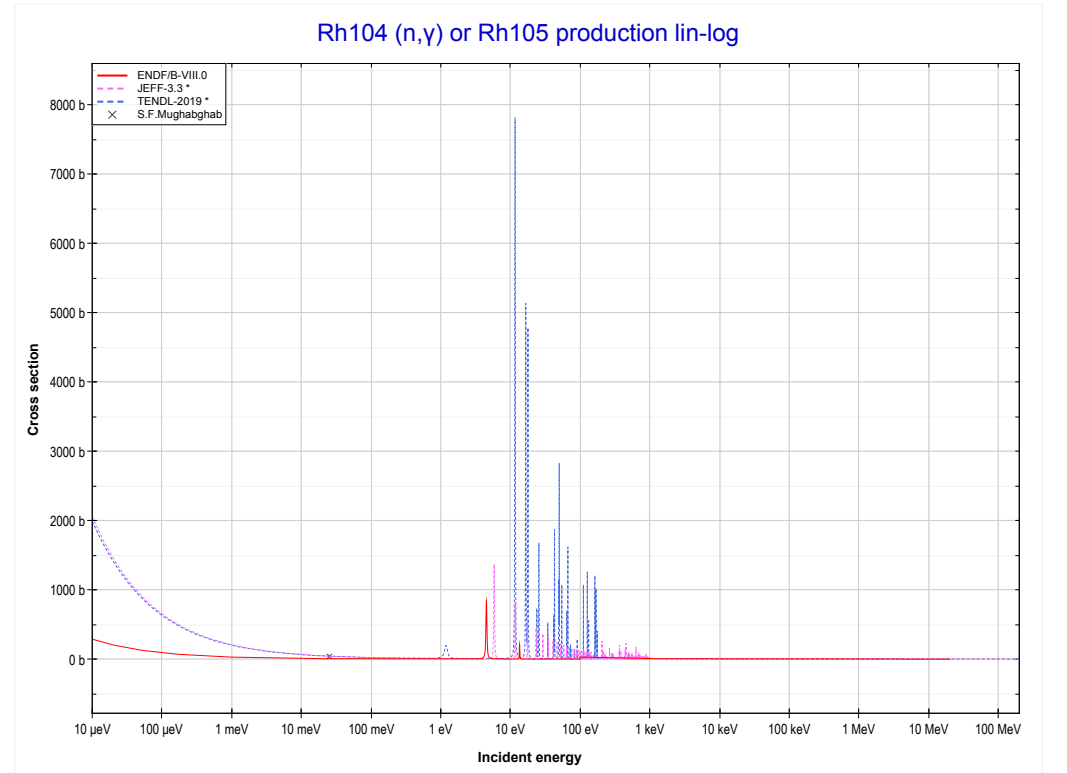
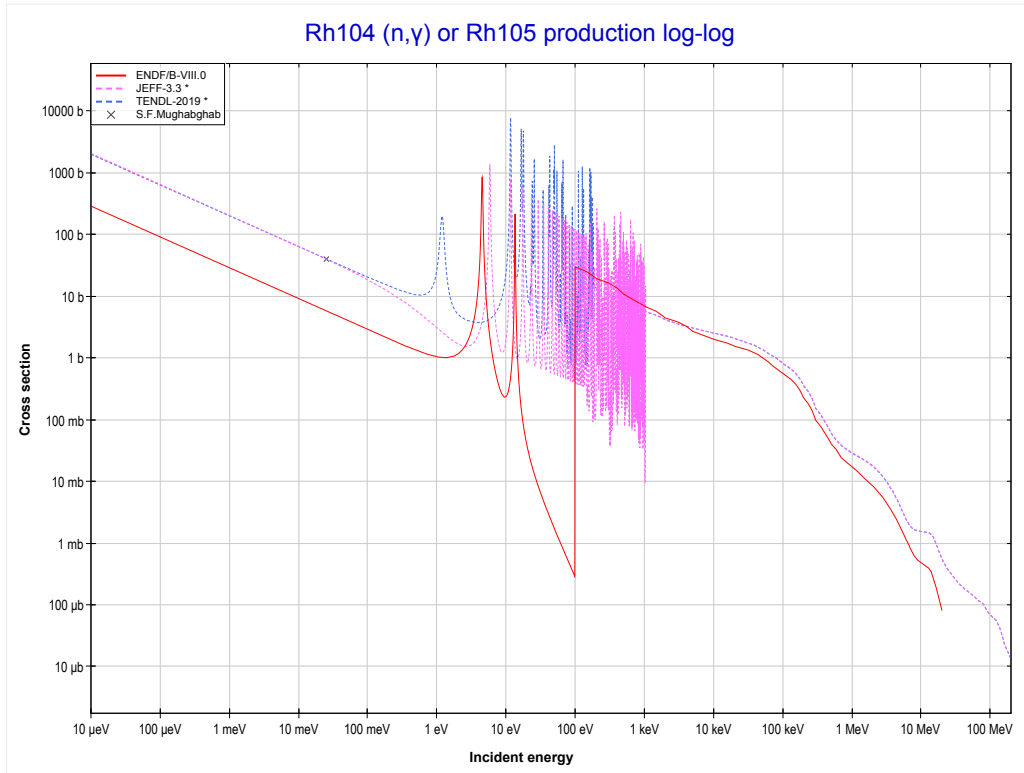
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.4389E-9 b | 1.43791E-9 b | 1.4706E-9 b | 1.02277 | 1.01493E-8 b | 1.60518E-5 b | 0.00791811 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54762E-5 b | 0.0100004 b |
| JEFF-3.3 | 3.82001E-15 b | 3.82001E-15 b | 8.6845E-15 b | 2.27342 | 1.46721E-8 b | 1.4045E-5 b | 0.0088681 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.73781E-23 b | 2.48957E-5 b | 0.0101577 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54762E-5 b | 0.0100004 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.14481E-5 b | 0.01041 b |
| TENDL-2019 | 3.6483E-12 b | 3.6483E-12 b | 3.6463E-12 b | 0.99946 | 3.59171E-12 b | 2.21832E-5 b | 0.0139873 b |

| | | |
|-------------------------|---|-----------------------------------|
| << 43-Tc-99 | 45-Rh-103 | 53-I-127 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Tc102 production) | 45-Rh-104 MT102 (n, γ) >> |



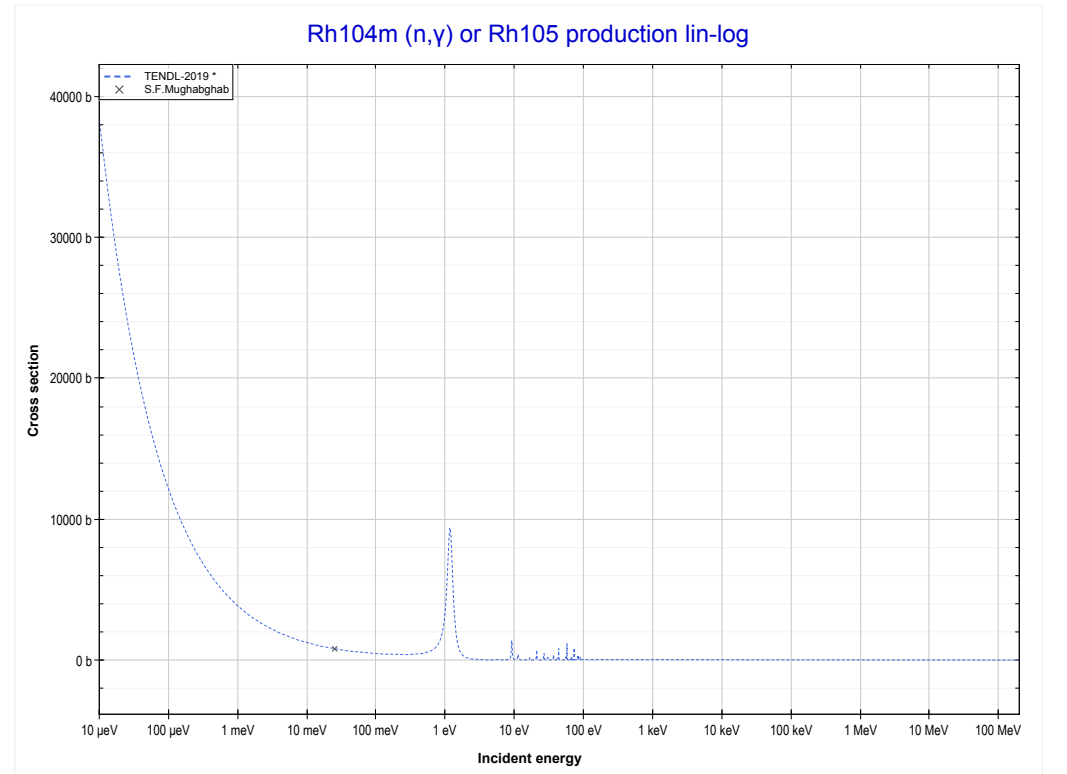
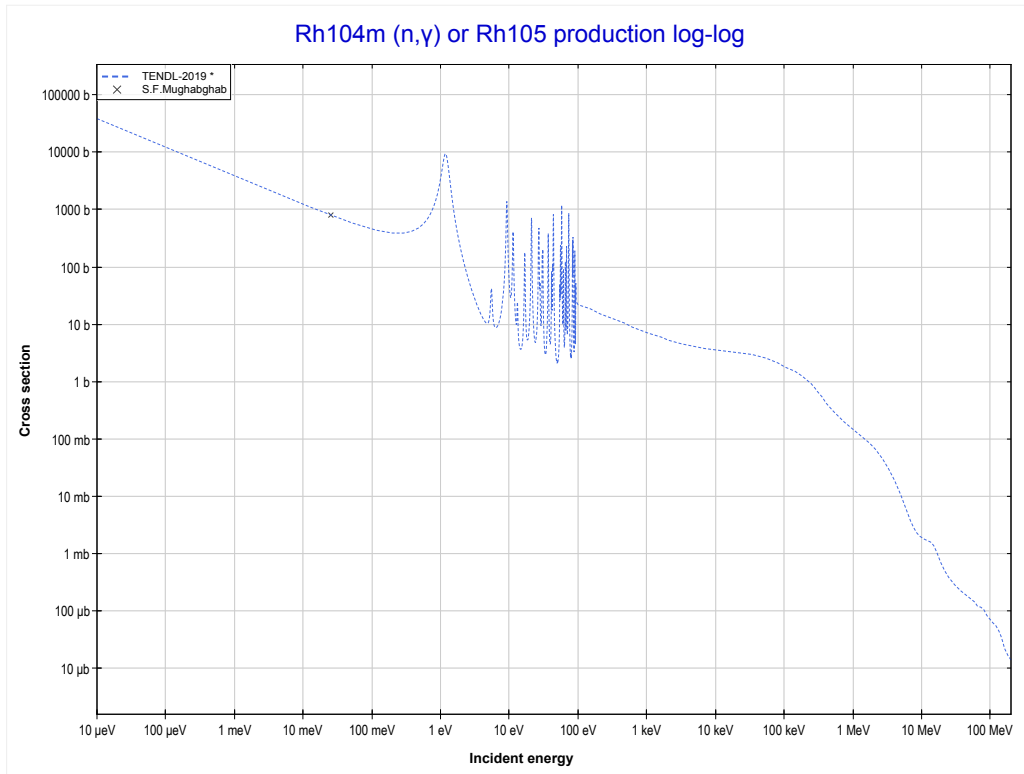
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96431E-13 b | 2.7522E-10 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.46268E-13 b | 2.9593E-15 b |

| | | |
|---------------------------|--|------------------------------------|
| << 45-Rh-103 | 45-Rh-104 | 45-Rh-104m >> |
| << 45-Rh-103 MT111 (n,2p) | MT102 (n,γ) or MT5 (Rh105 production) | 45-Rh-104m MT102 (n, γ) >> |



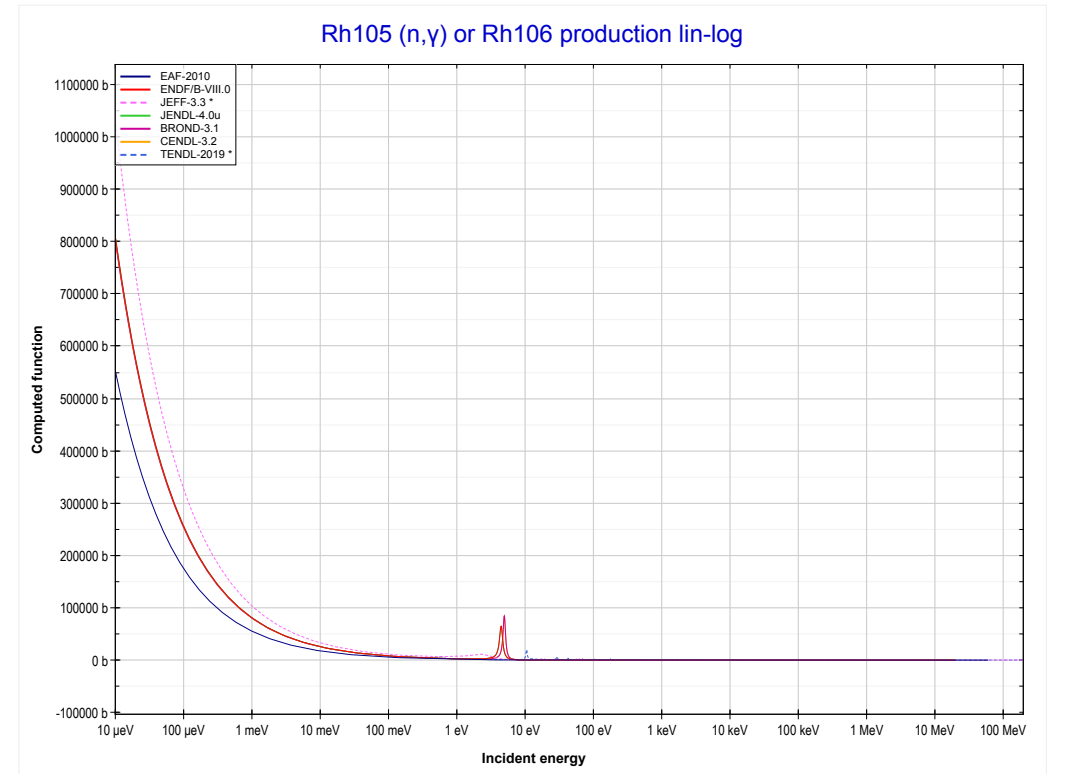
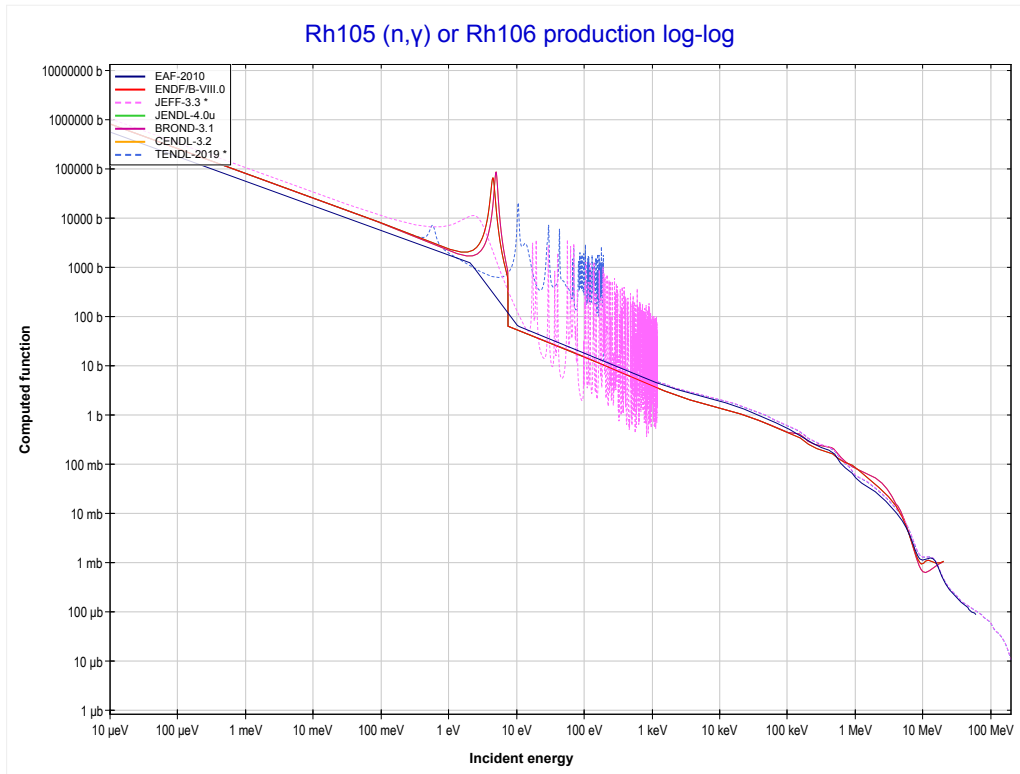
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 5.72836 b | 5.72836 b | 5.7305 b | 1.00038 | 104.677 b | 0.0429866 b | 3.47294E-4 b |
| JEFF-3.3 | 39.861 b | 39.861 b | 39.375 b | 0.9878 | 163.183 b | 0.0661033 b | 0.00138557 b |
| TENDL-2019 | 39.8346 b | 39.8346 b | 39.931 b | 1.00242 | 721.305 b | 0.0651471 b | 0.00138408 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 45-Rh-104 | 45-Rh-104m | 45-Rh-105 >> |
| << 45-Rh-104 MT102 (n, γ) | MT102 (n,γ) or MT5 (Rh105 production) | 45-Rh-105 MT102 (n, γ) >> |



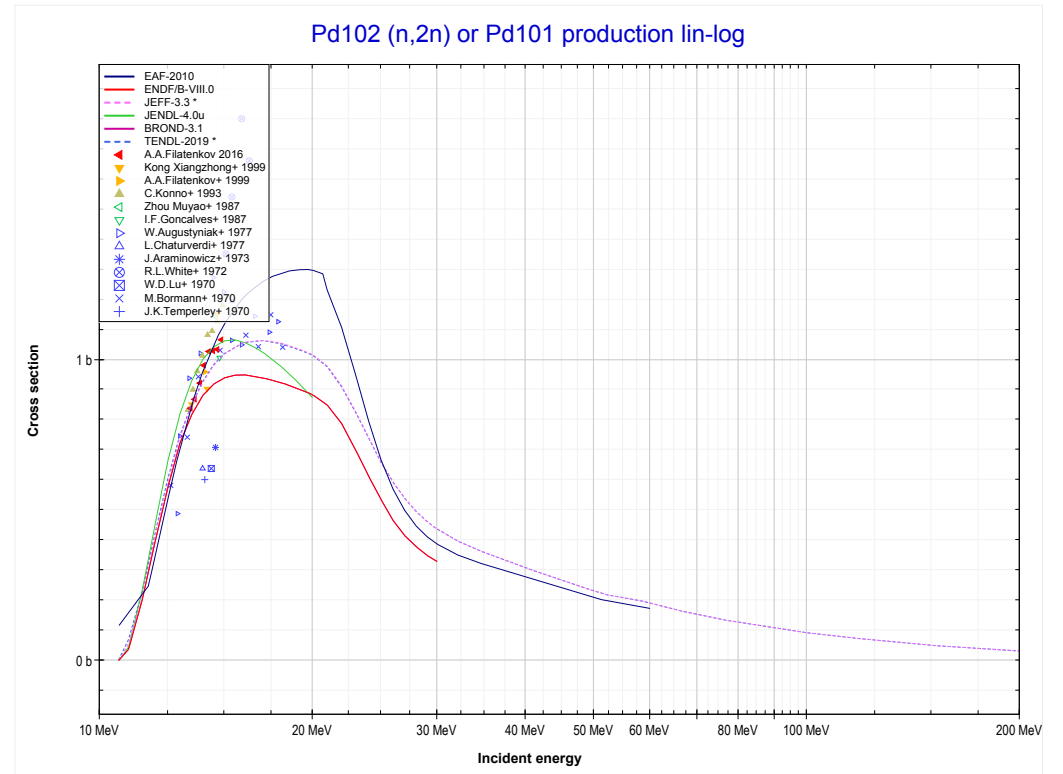
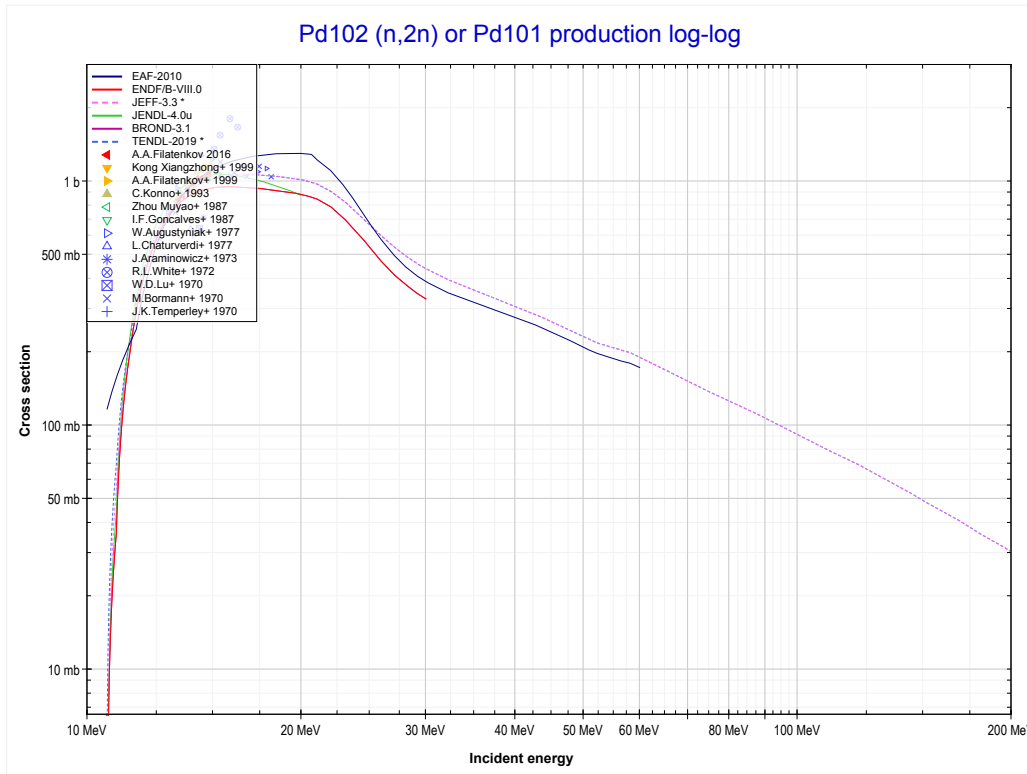
| Reaction | Q-Value |
|---------------------------|-------------|
| Rh104m(n, γ)Rh105 | 9092.22 keV |

| | | |
|---------------------------|--|--------------------------|
| << 45-Rh-104m | 45-Rh-105 | 46-Pd-102 >> |
| << 45-Rh-104m MT102 (n,y) | MT102 (n,y) or MT5 (Rh106 production) | 46-Pd-102 MT16 (n,2n) >> |



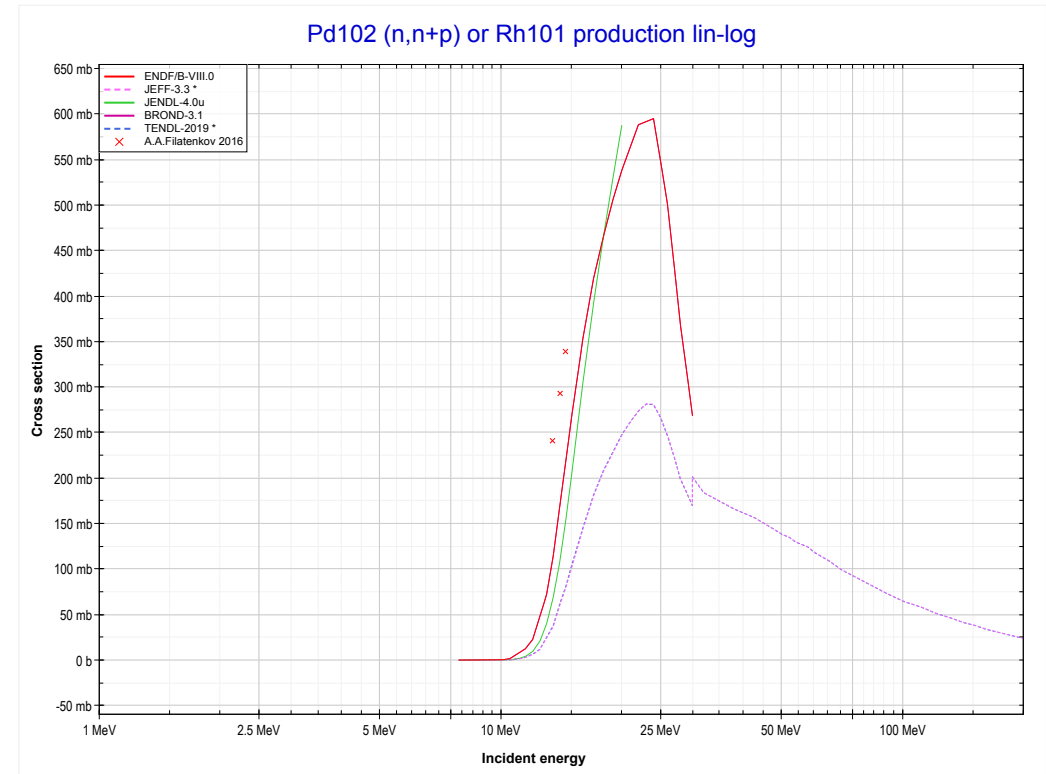
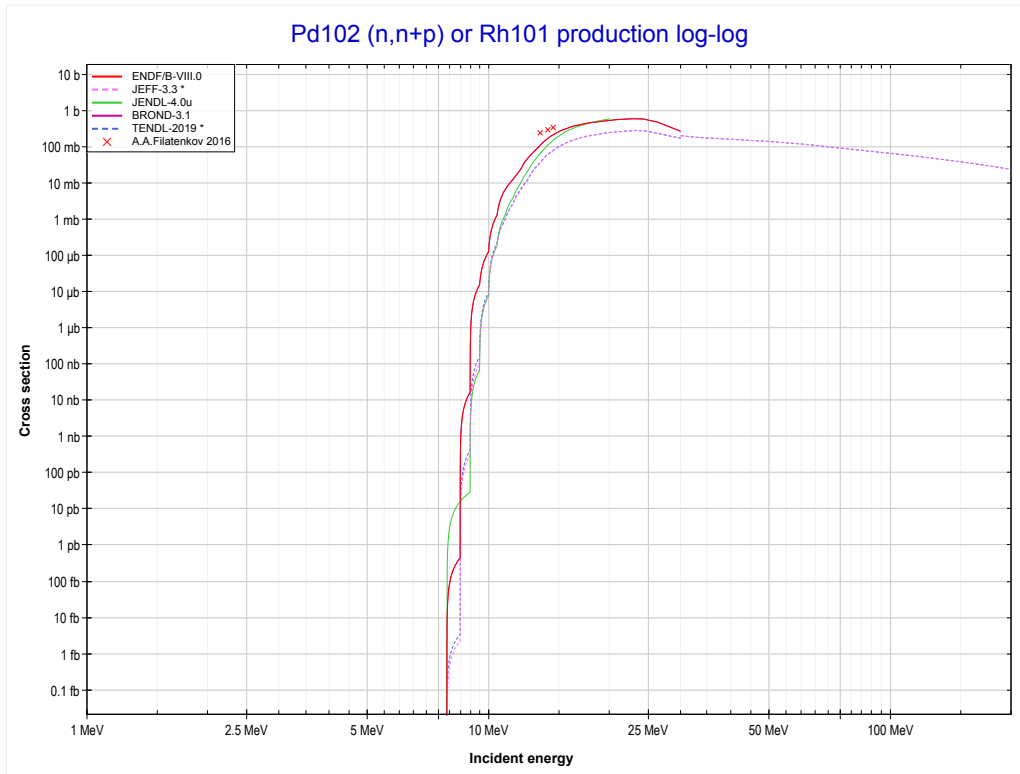
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11000 b | 10991.8 b | 10992 b | 1.00004 | 3268.17 b | 0.0743851 b | 0.00119671 b |
| ENDF/B-VIII.0 | 16003.4 b | 16003.4 b | 15970 b | 0.99791 | 17045.1 b | 0.0801856 b | 0.00101156 b |
| JEFF-3.3 | 20913.5 b | 20913.5 b | 21104 b | 1.00912 | 17657.5 b | 0.0879359 b | 0.00122919 b |
| JENDL-4.0u | 16003.4 b | 16003.4 b | 15970 b | 0.9979 | 17055.3 b | 0.0801856 b | 0.00101156 b |
| BROND-3.1 | 15832.2 b | 15832.2 b | 15790 b | 0.99735 | 17014.8 b | 0.091847 b | 7.6116E-4 b |
| CENDL-3.2 | 15829.1 b | 15829.1 b | 15782 b | 0.997 | 16998.3 b | 0.0918393 b | 7.6116E-4 b |
| TENDL-2019 | 15923 b | 15923 b | 15865 b | 0.99636 | 9068.74 b | 0.086564 b | 0.00122636 b |

| | | |
|-----------------------------------|--|-----------------|
| << 45-Rh-103 | 46-Pd-102 | 46-Pd-108 >> |
| << 45-Rh-105 MT102 (n, γ) | MT16 (n,2n) or MT5 (Pd101 production) | MT28 (n,n+p) >> |



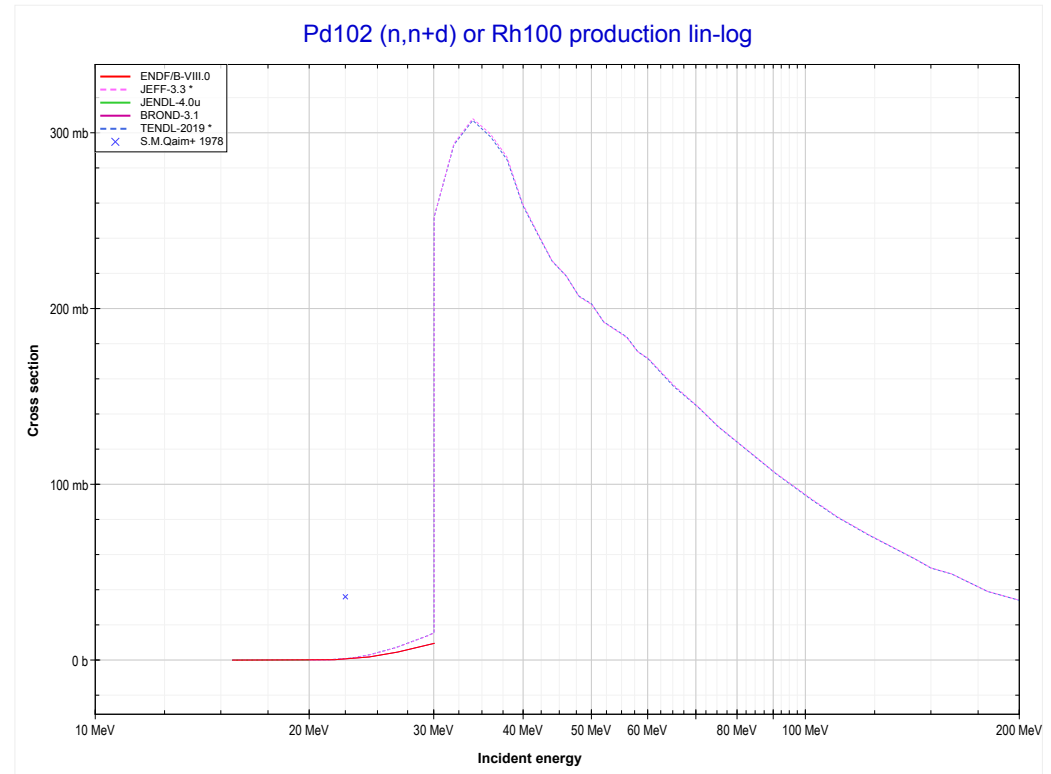
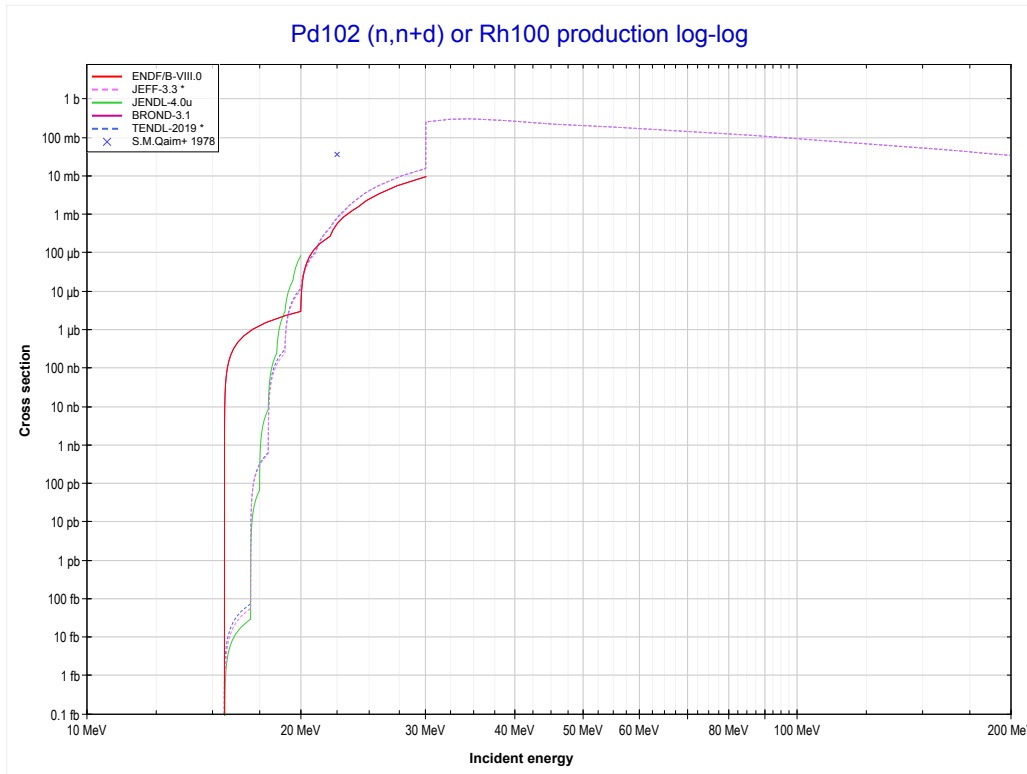
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.56988E-4 b | 0.956694 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.39174E-4 b | 0.879177 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.65057E-4 b | 0.922719 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.00572E-4 b | 0.999209 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.39174E-4 b | 0.879177 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.79648E-4 b | 0.92615 b |

| | | |
|----------------|---|-----------------|
| << 44-Ru-104 | 46-Pd-102 | 46-Pd-106 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Rh101 production) | MT32 (n,n+d) >> |



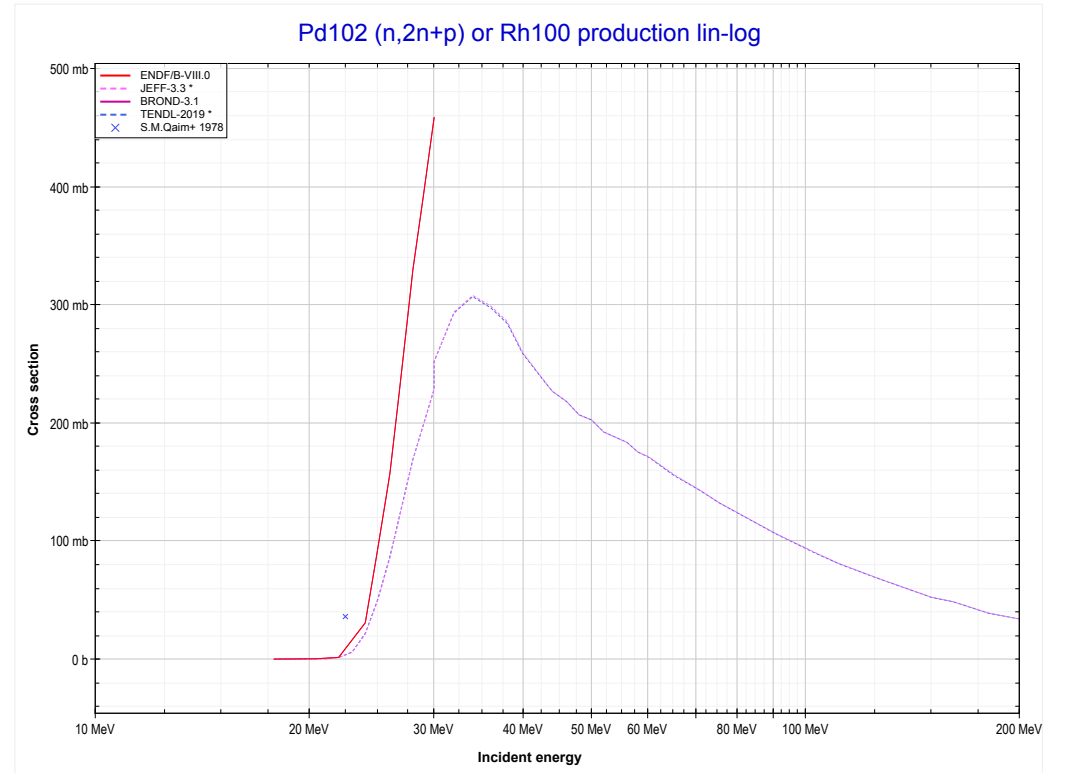
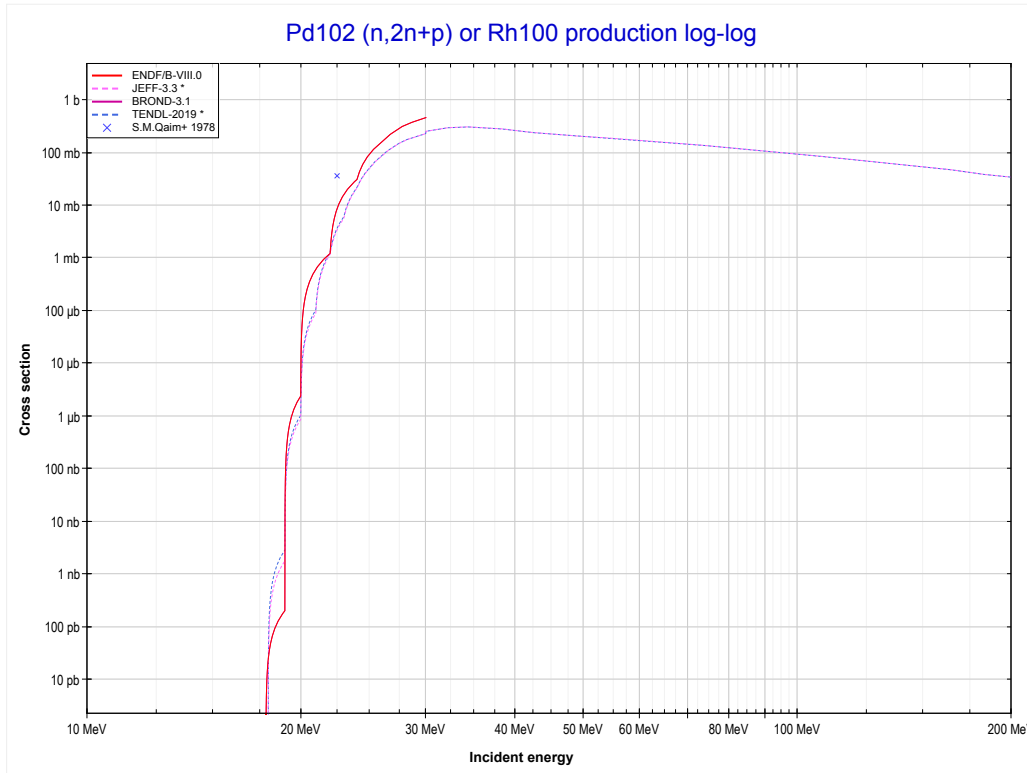
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.60482E-5 b | 0.16711 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22577E-5 b | 0.0591799 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.28123E-5 b | 0.106128 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.60482E-5 b | 0.16711 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.29256E-5 b | 0.0612175 b |

| | | |
|-----------------|---|------------------|
| << 42-Mo-92 | 46-Pd-102 | 52-Te-128 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Rh100 production) | MT41 (n,2n+p) >> |



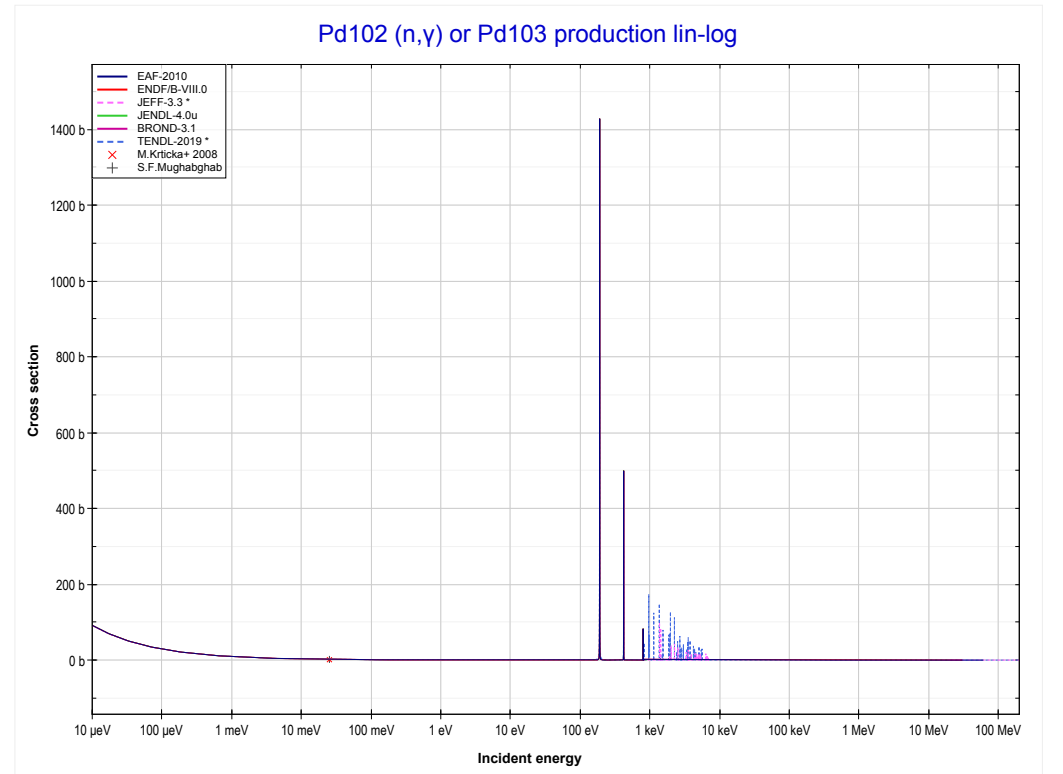
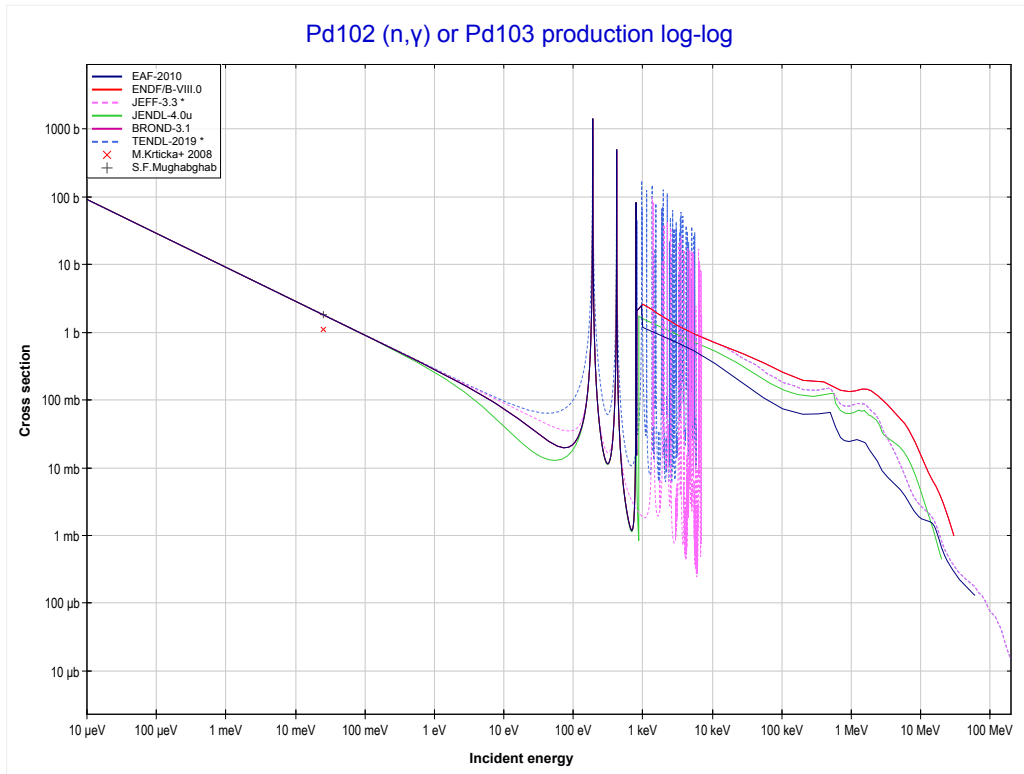
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.94966E-11 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.54057E-12 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.80087E-11 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.94966E-11 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74144E-12 b | 0 b |

| | | |
|-----------------|--|-------------------------|
| << 42-Mo-92 | 46-Pd-102 | 52-Te-128 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Rh100 production) | MT102 (n, γ) >> |



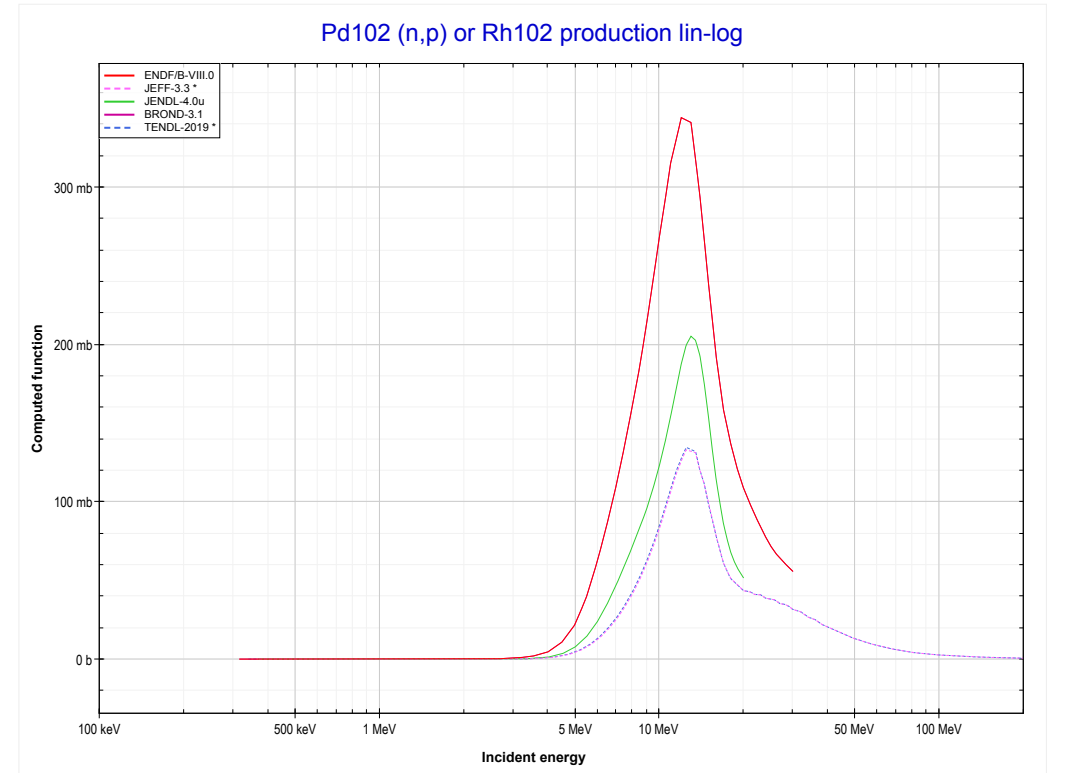
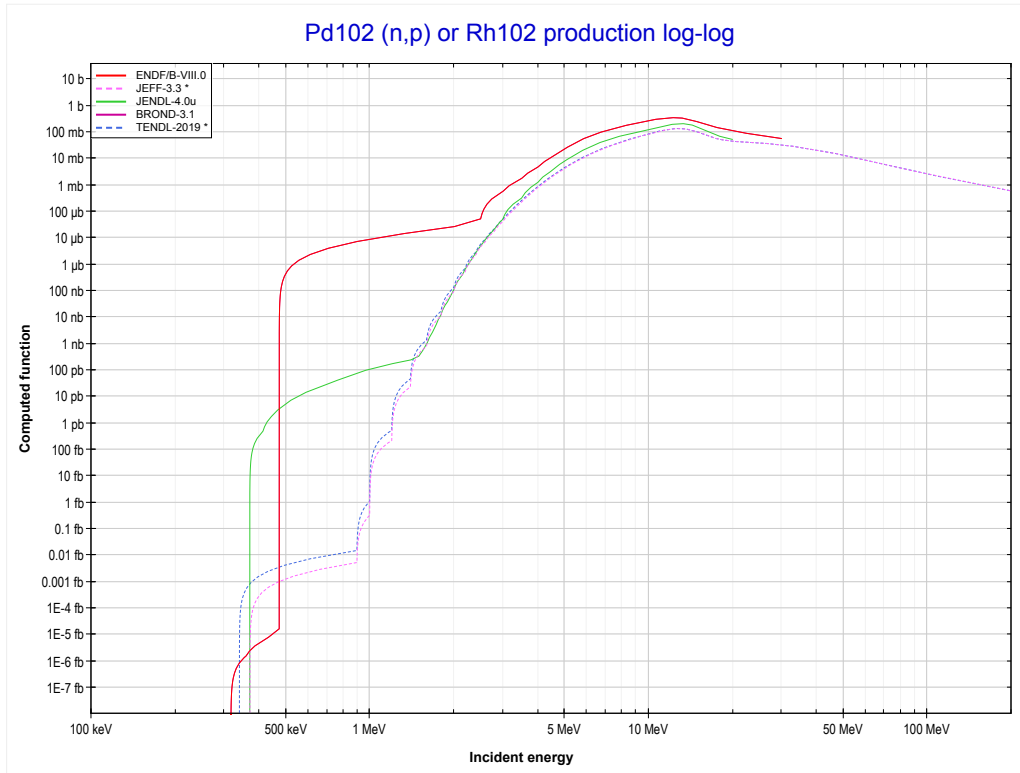
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.812E-12 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.59382E-13 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.812E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.82538E-13 b | 0 b |

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|------------------|--|----------------|
| << 45-Rh-105 | 46-Pd-102 | 46-Pd-104 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Pd103 production) | MT103 (n,p) >> |



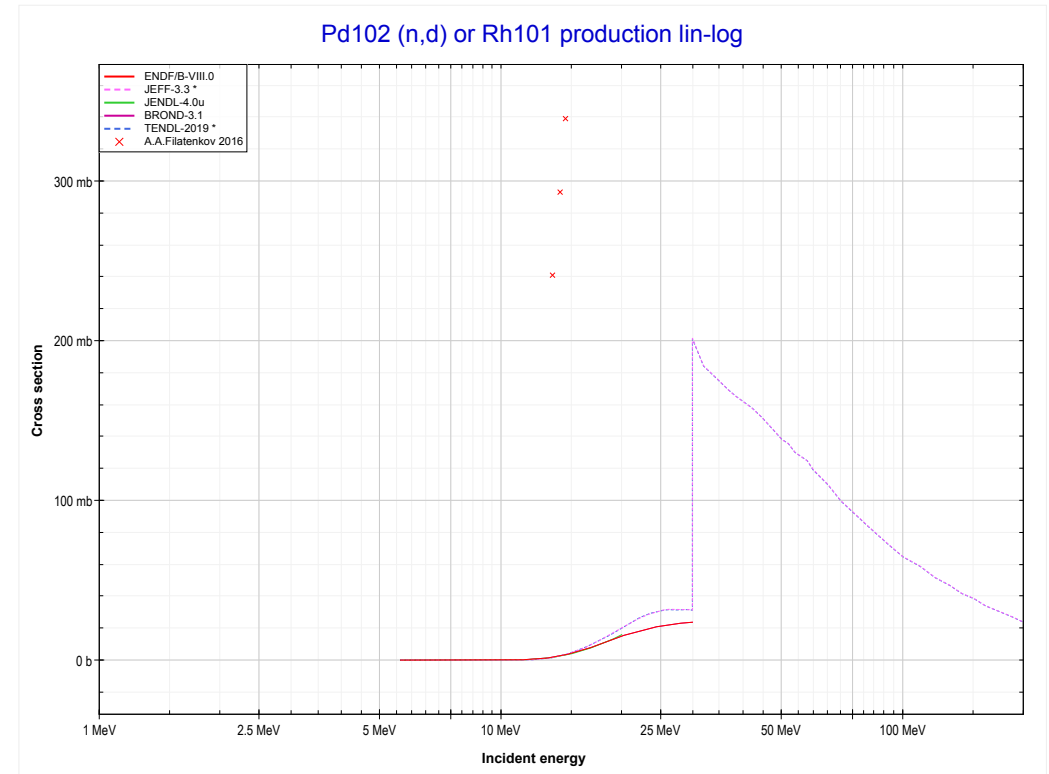
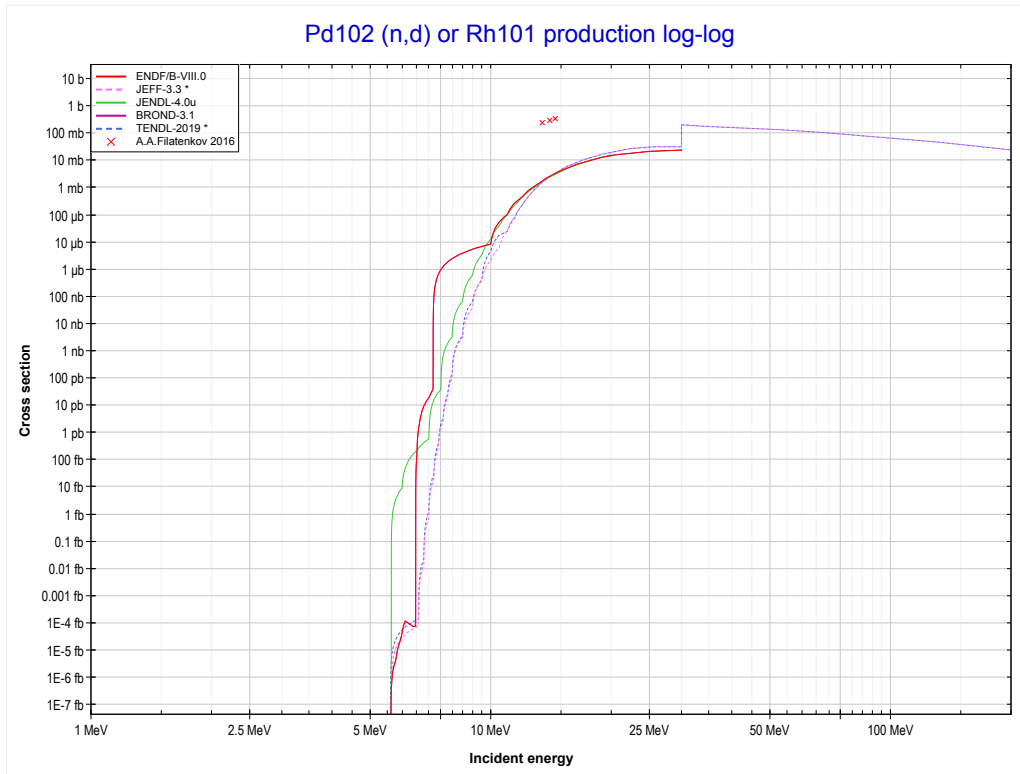
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.82134 b | 1.82001 b | 1.8196 b | 0.99979 | 14.205 b | 0.0254038 b | 0.00157507 b |
| ENDF/B-VIII.0 | 1.82165 b | 1.82165 b | 1.8219 b | 1.00013 | 16.4727 b | 0.129889 b | 0.0072227 b |
| JEFF-3.3 | 1.80638 b | 1.80638 b | 1.807 b | 1.00032 | 12.9975 b | 0.0764588 b | 0.00197667 b |
| JENDL-4.0u | 1.82039 b | 1.82039 b | 1.8183 b | 0.99886 | 14.7283 b | 0.0636881 b | 0.00160356 b |
| BROND-3.1 | 1.82165 b | 1.82165 b | 1.8219 b | 1.00013 | 16.4727 b | 0.129889 b | 0.0072227 b |
| TENDL-2019 | 1.81256 b | 1.81256 b | 1.8127 b | 1.00008 | 19.5193 b | 0.0768087 b | 0.00197034 b |

| | | |
|-------------------------|--|----------------|
| << 45-Rh-103 | 46-Pd-102 | 46-Pd-104 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rh102 production) | MT104 (n,d) >> |



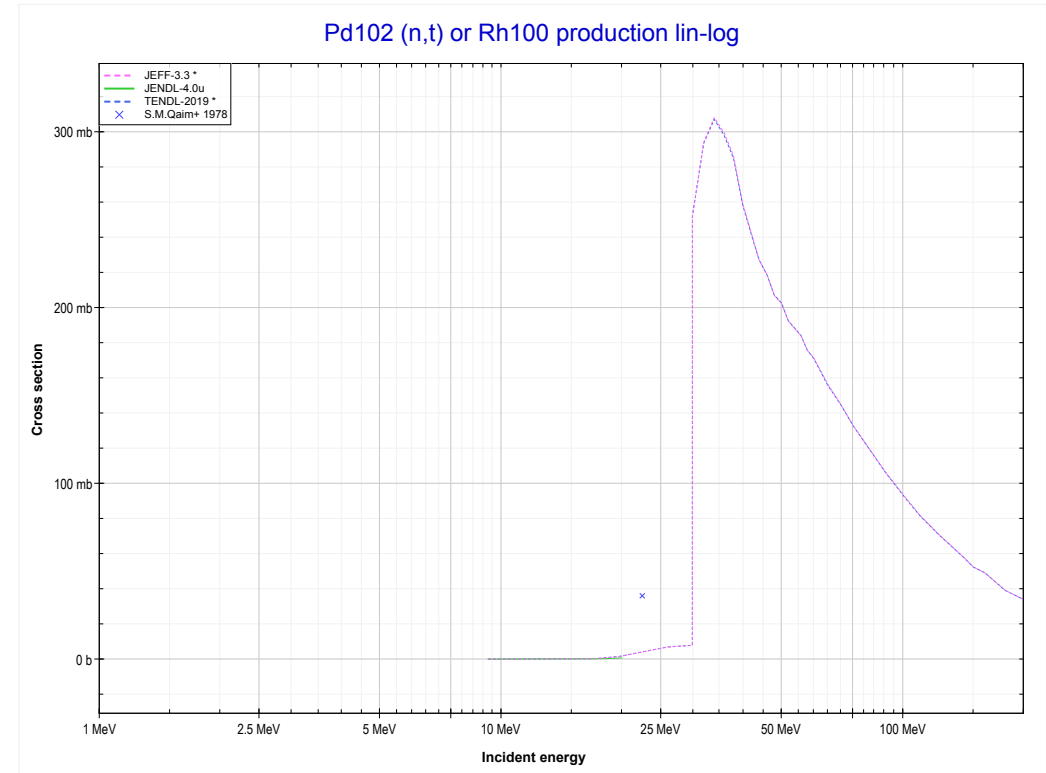
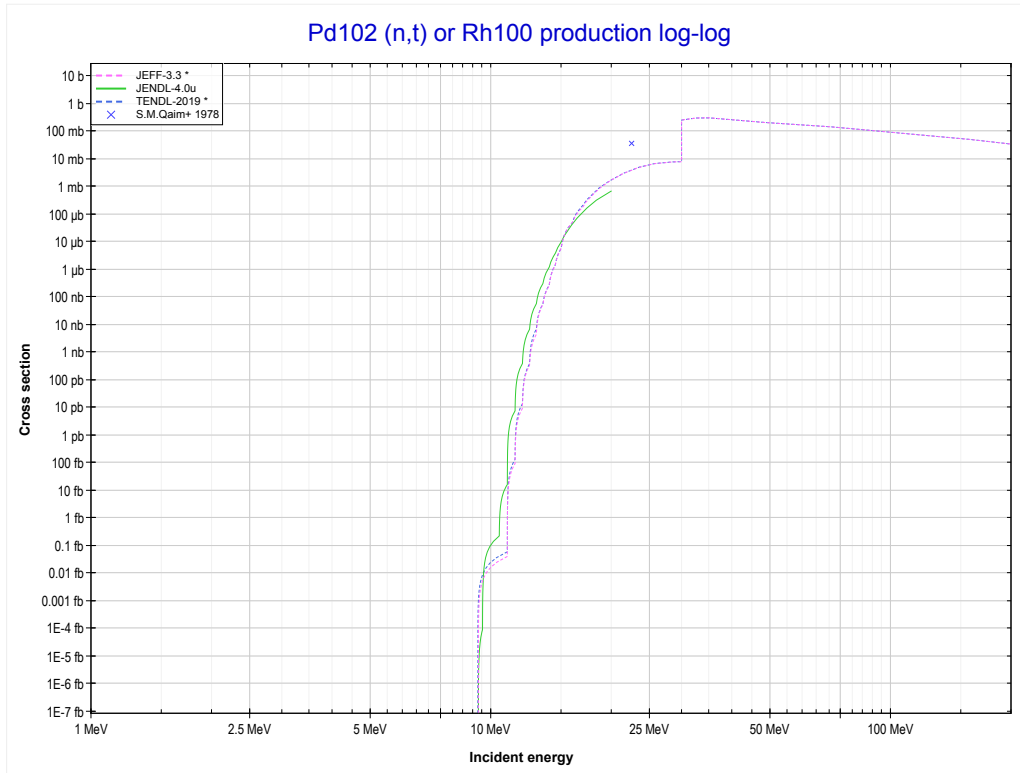
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00602018 b | 0.293792 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139811 b | 0.119782 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00244047 b | 0.192674 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00602018 b | 0.293792 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145943 b | 0.119713 b |

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|----------------|--|----------------|
| << 44-Ru-104 | 46-Pd-102 | 46-Pd-106 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Rh101 production) | MT105 (n,t) >> |



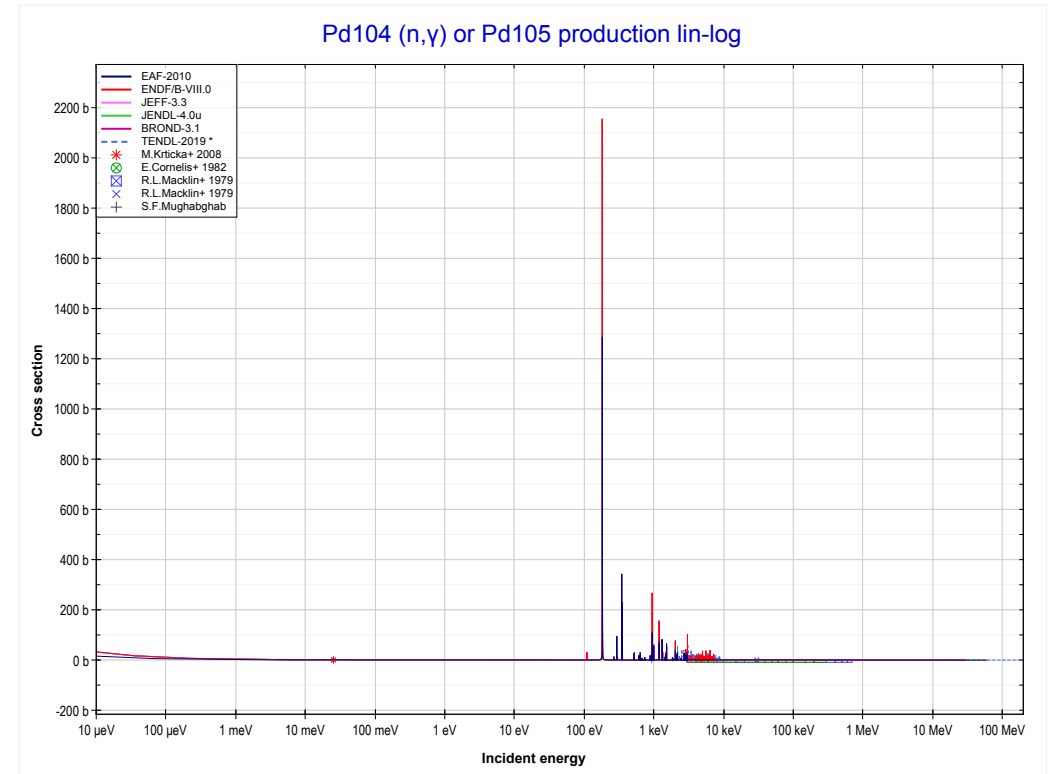
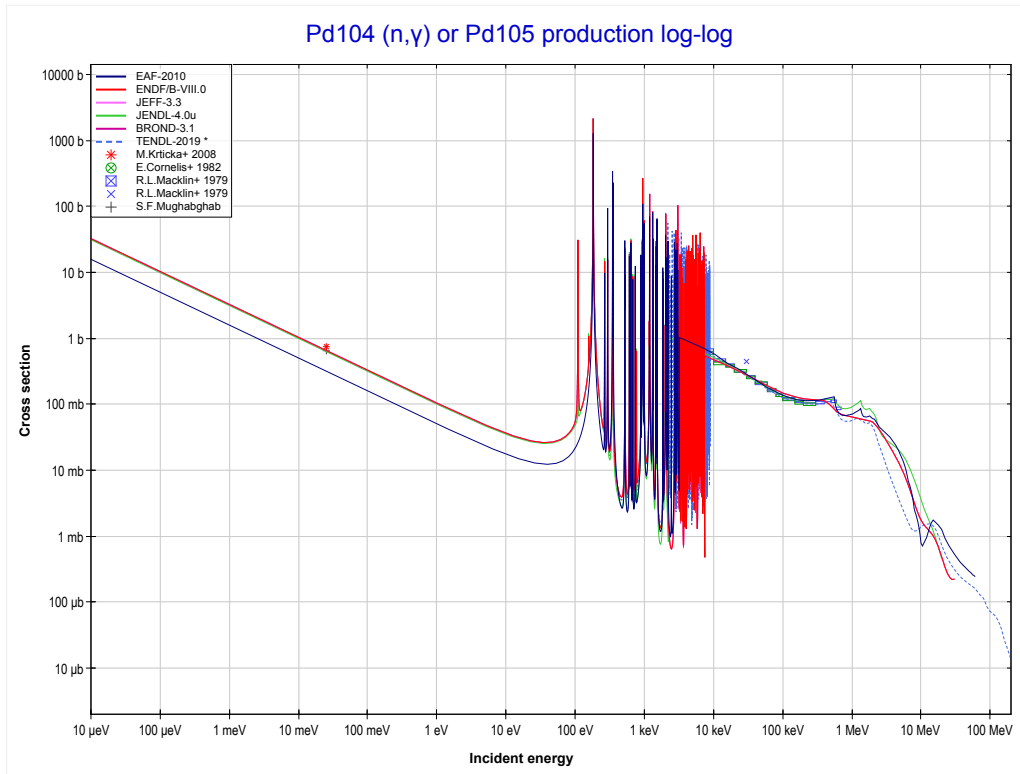
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21504E-6 b | 0.00250852 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05085E-6 b | 0.00245047 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.10854E-6 b | 0.00236403 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21504E-6 b | 0.00250852 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05436E-6 b | 0.00245322 b |

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|----------------|--|-----------------------------------|
| << 45-Rh-103 | 46-Pd-102 | 48-Cd-106 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Rh100 production) | 46-Pd-104 MT102 (n, γ) >> |



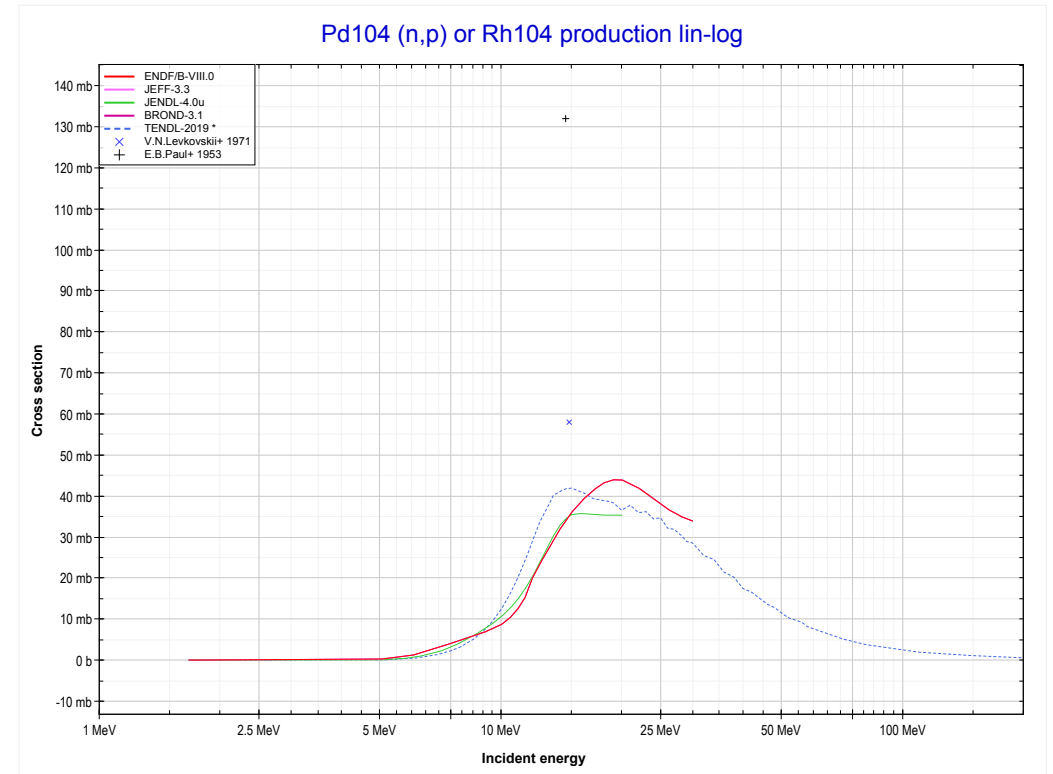
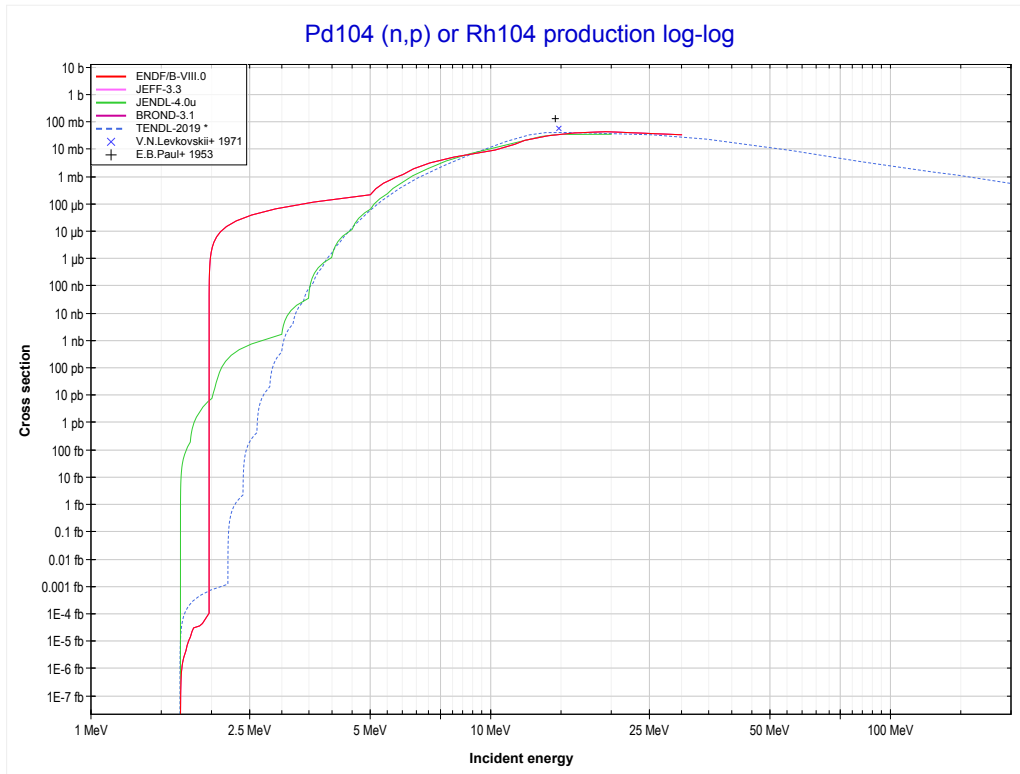
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.41786E-9 b | 2.56049E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.36936E-9 b | 1.18106E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00612E-8 b | 2.70485E-7 b |

| | | |
|--------------------------|--|----------------|
| << 46-Pd-102 | 46-Pd-104 | 46-Pd-105 >> |
| << 46-Pd-102 MT105 (n,t) | MT102 (n,y) or MT5 (Pd105 production) | MT103 (n,p) >> |



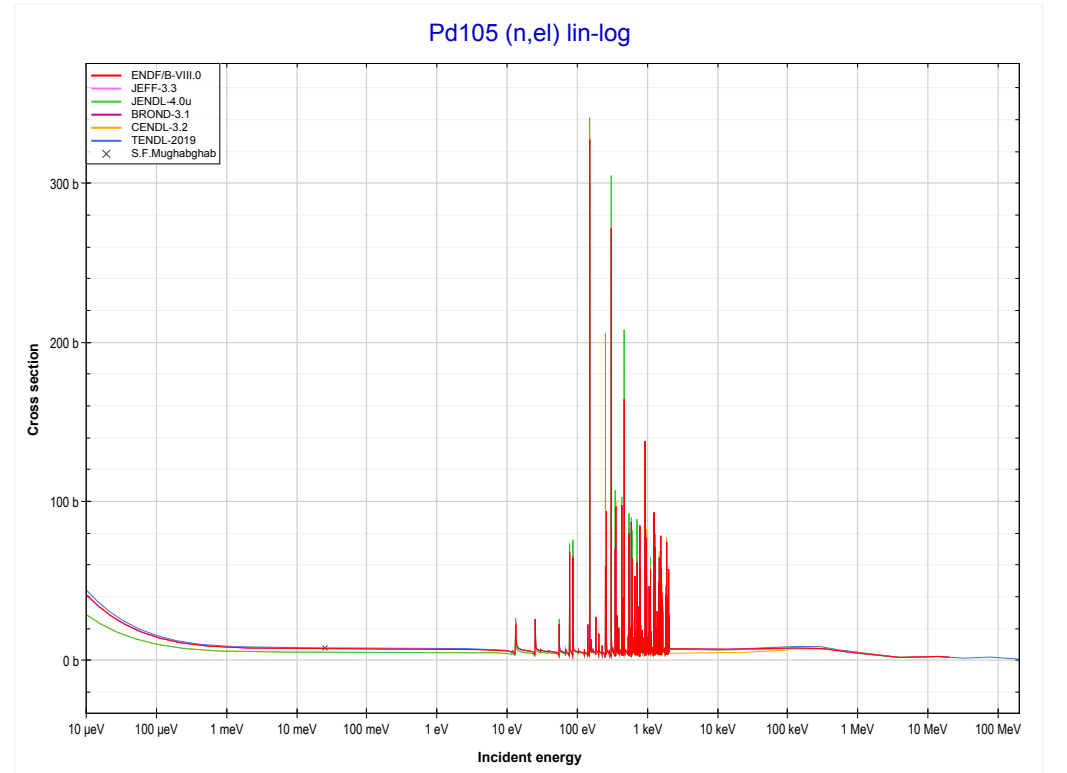
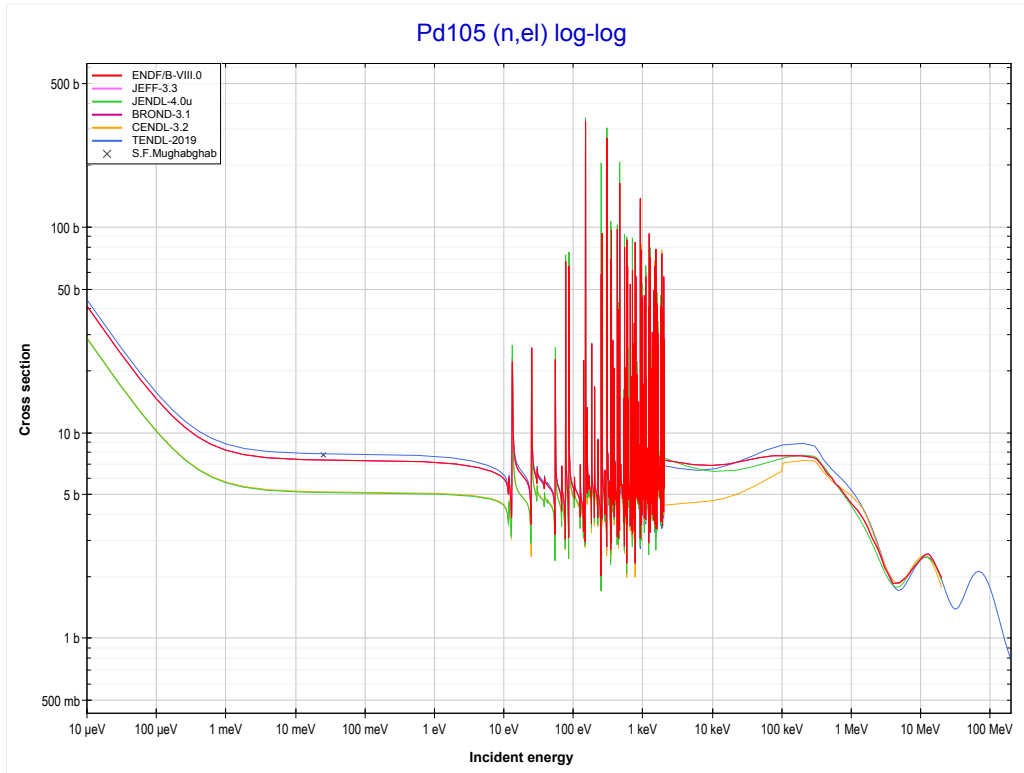
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.315361 b | 0.315124 b | 0.31512 b | 0.99997 | 14.2965 b | 0.0661688 b | 0.00157441 b |
| ENDF/B-VIII.0 | 0.648753 b | 0.648753 b | 0.64909 b | 1.00052 | 20.8232 b | 0.0589649 b | 0.0011211 b |
| JEFF-3.3 | 0.648753 b | 0.648753 b | 0.64909 b | 1.00052 | 20.8232 b | 0.0589649 b | 0.0011211 b |
| JENDL-4.0u | 0.624212 b | 0.624212 b | 0.62454 b | 1.00052 | 19.9749 b | 0.0745229 b | 0.00144583 b |
| BROND-3.1 | 0.648753 b | 0.648753 b | 0.64909 b | 1.00052 | 20.8232 b | 0.0589649 b | 0.0011211 b |
| TENDL-2019 | 0.647184 b | 0.647184 b | 0.6473 b | 1.00018 | 20.8495 b | 0.0498501 b | 0.00150743 b |

| | | |
|-------------------------|--|------------------------------|
| << 46-Pd-102 | 46-Pd-104 | 46-Pd-105 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rh104 production) | 46-Pd-105 MT2 (n,elastic) >> |



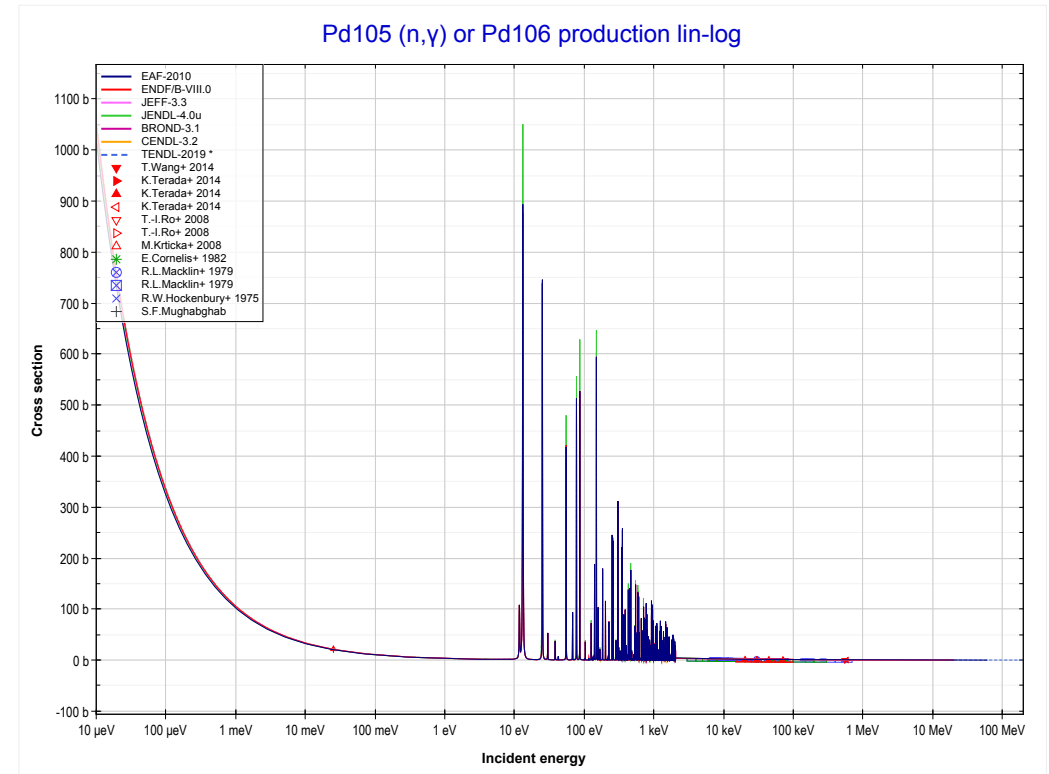
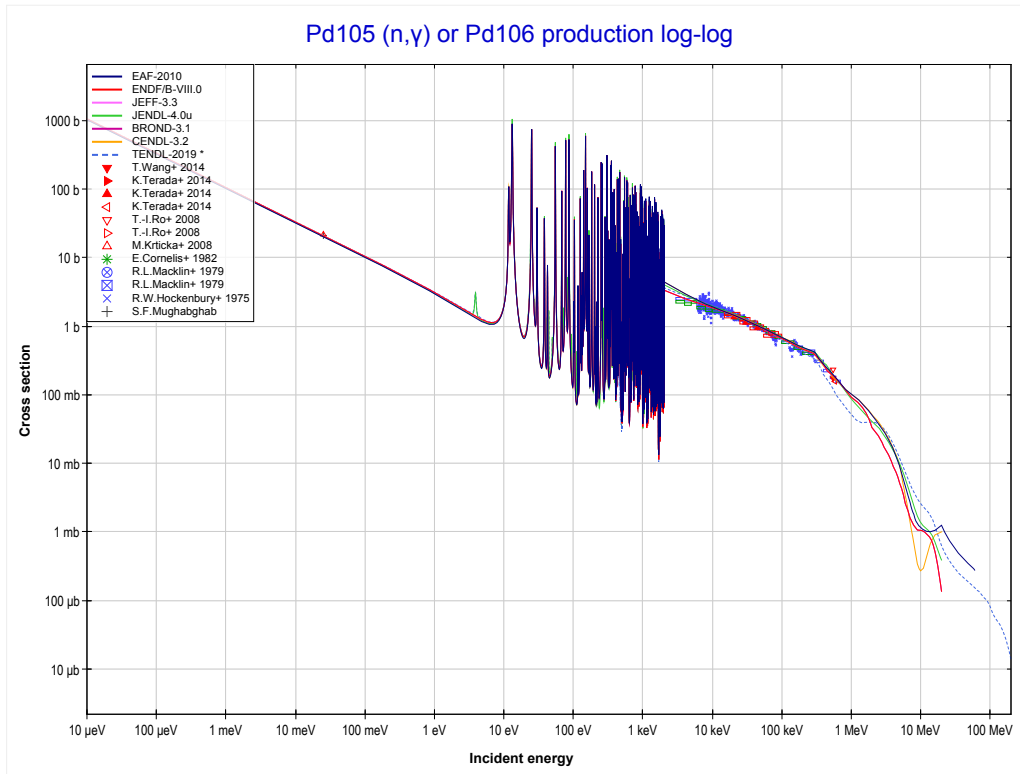
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74286E-4 b | 0.0317594 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74286E-4 b | 0.0317594 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.23586E-4 b | 0.0327232 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74286E-4 b | 0.0317594 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17454E-4 b | 0.0410882 b |

| | | |
|--------------------------|------------------------|-------------------------|
| << 45-Rh-103 | 46-Pd-105 | 46-Pd-106 >> |
| << 46-Pd-104 MT103 (n,p) | MT2 (n,elastic) | MT102 (n, γ) >> |



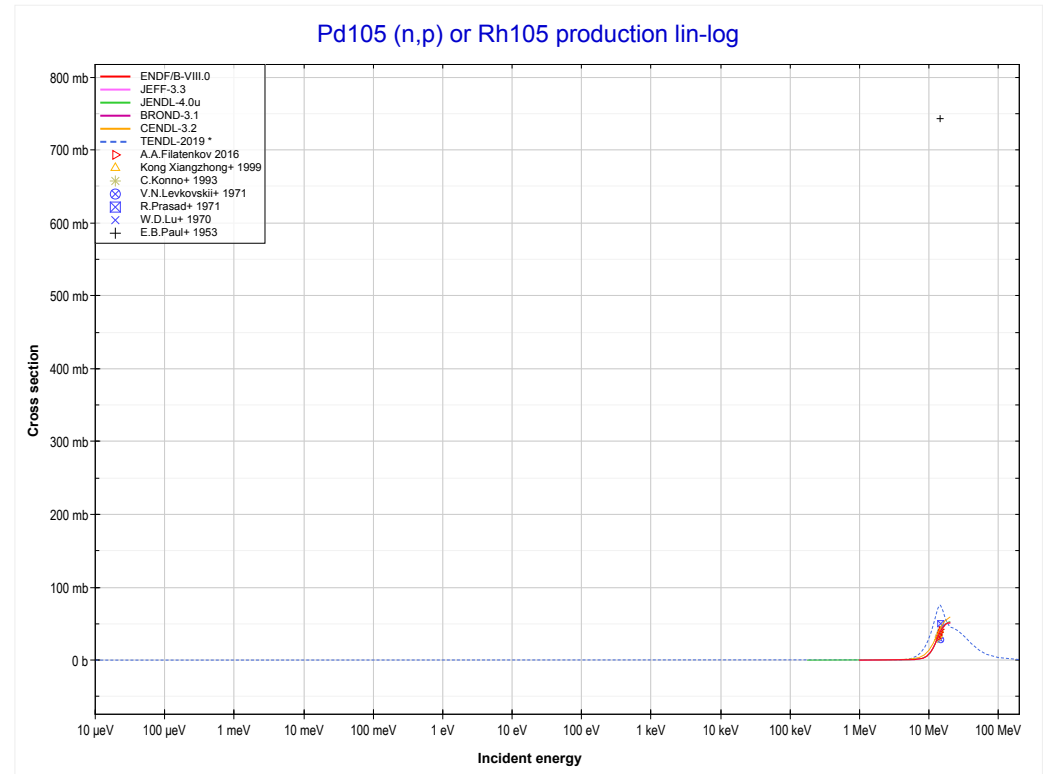
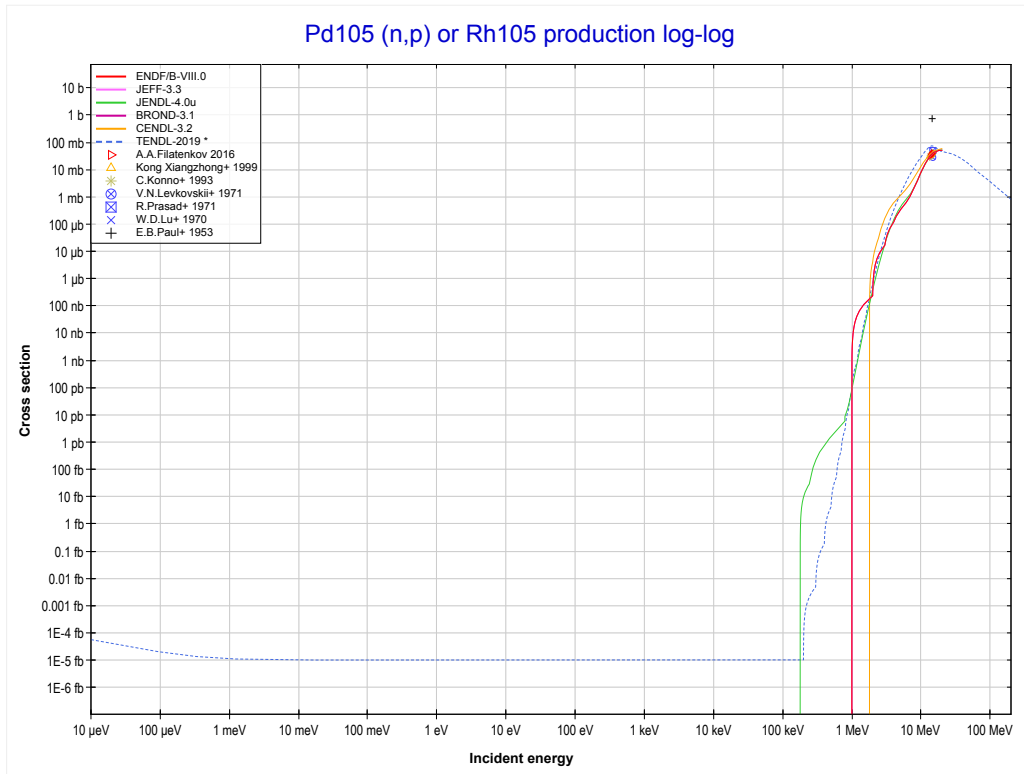
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.36 b | 7.36 b | 8.3005 b | 1.12779 | 89.6774 b | 3.9435 b | 2.51268 b |
| JEFF-3.3 | 7.36 b | 7.36 b | 8.3005 b | 1.12779 | 89.6774 b | 3.9435 b | 2.51268 b |
| JENDL-4.0u | 5.10984 b | 5.10984 b | 5.7642 b | 1.12807 | 80.3061 b | 3.81268 b | 2.41782 b |
| BROND-3.1 | 7.36 b | 7.36 b | 8.3005 b | 1.12779 | 89.6774 b | 3.9435 b | 2.51268 b |
| CENDL-3.2 | 5.15092 b | 5.15092 b | 5.811 b | 1.12814 | 72.0529 b | 4.03562 b | 2.3834 b |
| TENDL-2019 | 7.89334 b | 7.89334 b | 8.9018 b | 1.12776 | 90.3602 b | 4.34795 b | 2.44018 b |

| | | |
|--------------------|--|----------------|
| << 46-Pd-104 | 46-Pd-105 | 46-Pd-106 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Pd106 production) | MT103 (n,p) >> |



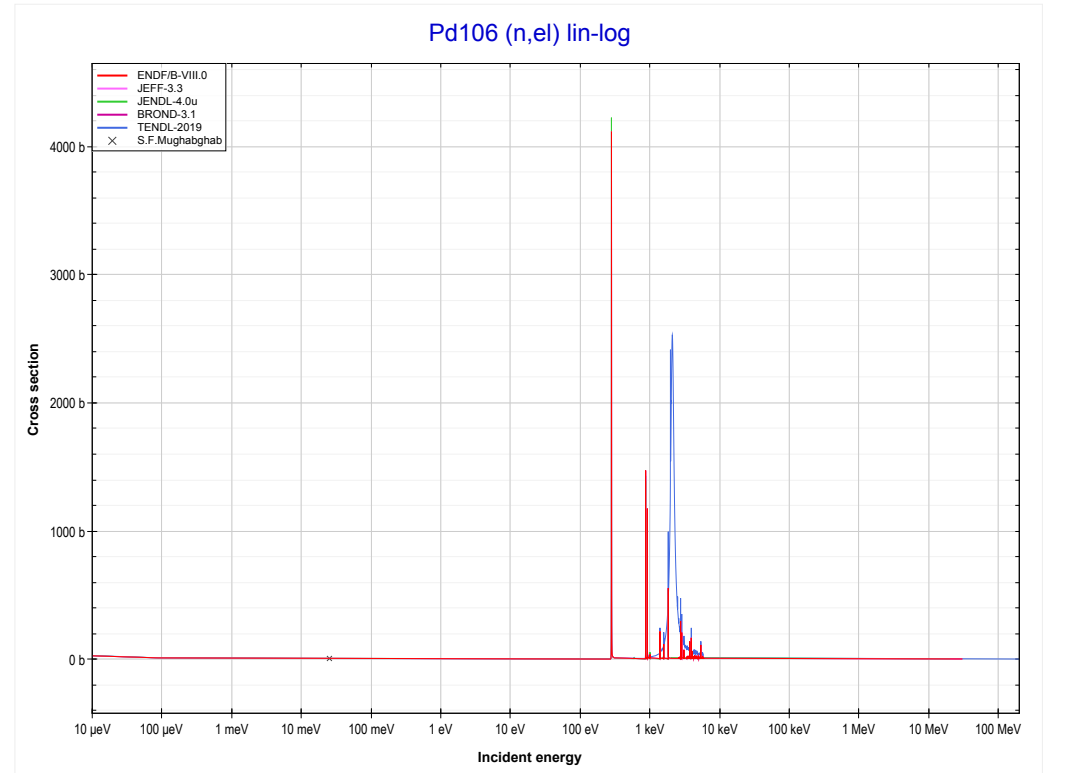
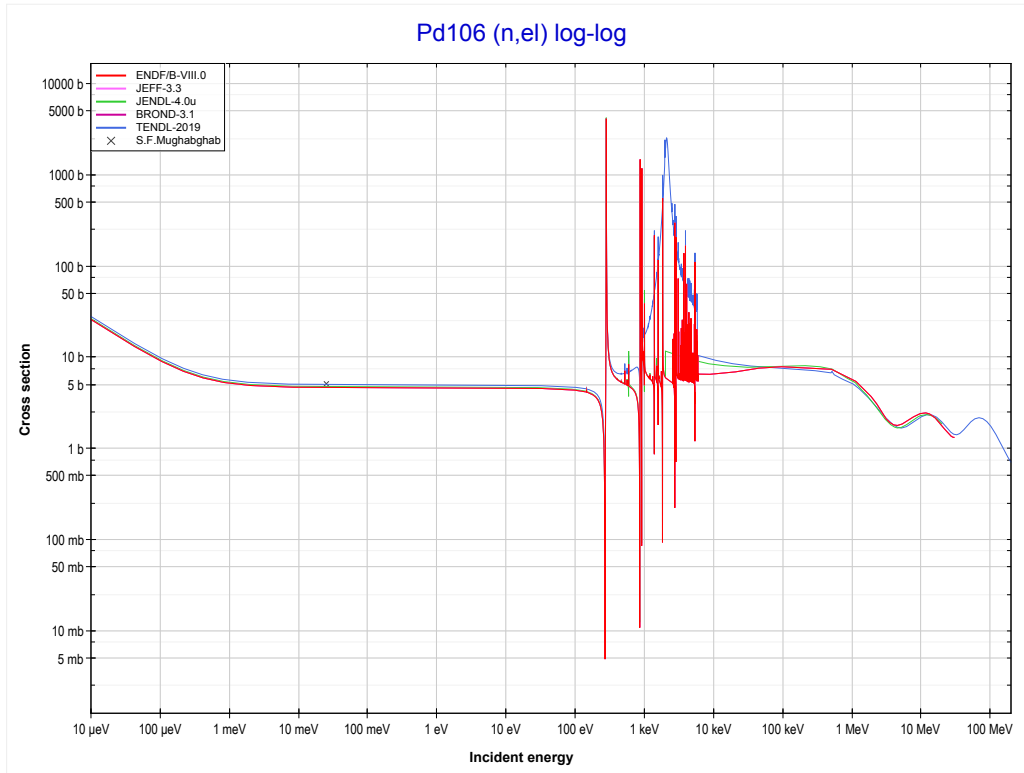
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20.2526 b | 20.2379 b | 20.218 b | 0.99902 | 96.6154 b | 0.118655 b | 0.00100293 b |
| ENDF/B-VIII.0 | 20.8788 b | 20.8788 b | 20.869 b | 0.99951 | 95.2414 b | 0.108666 b | 7.92831E-4 b |
| JEFF-3.3 | 20.8788 b | 20.8788 b | 20.869 b | 0.99951 | 95.2414 b | 0.108666 b | 7.92831E-4 b |
| JENDL-4.0u | 20.434 b | 20.434 b | 20.422 b | 0.99939 | 101.69 b | 0.112946 b | 9.58744E-4 b |
| BROND-3.1 | 20.8788 b | 20.8788 b | 20.869 b | 0.99951 | 95.2414 b | 0.108666 b | 7.92831E-4 b |
| CENDL-3.2 | 21.0183 b | 21.0183 b | 20.997 b | 0.99899 | 96.0311 b | 0.116778 b | 7E-4 b |
| TENDL-2019 | 21.0704 b | 21.0704 b | 21.053 b | 0.99919 | 96.7734 b | 0.0890965 b | 0.0017023 b |

| | | |
|-------------------------|--|------------------------------|
| << 46-Pd-104 | 46-Pd-105 | 46-Pd-106 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rh105 production) | 46-Pd-106 MT2 (n,elastic) >> |



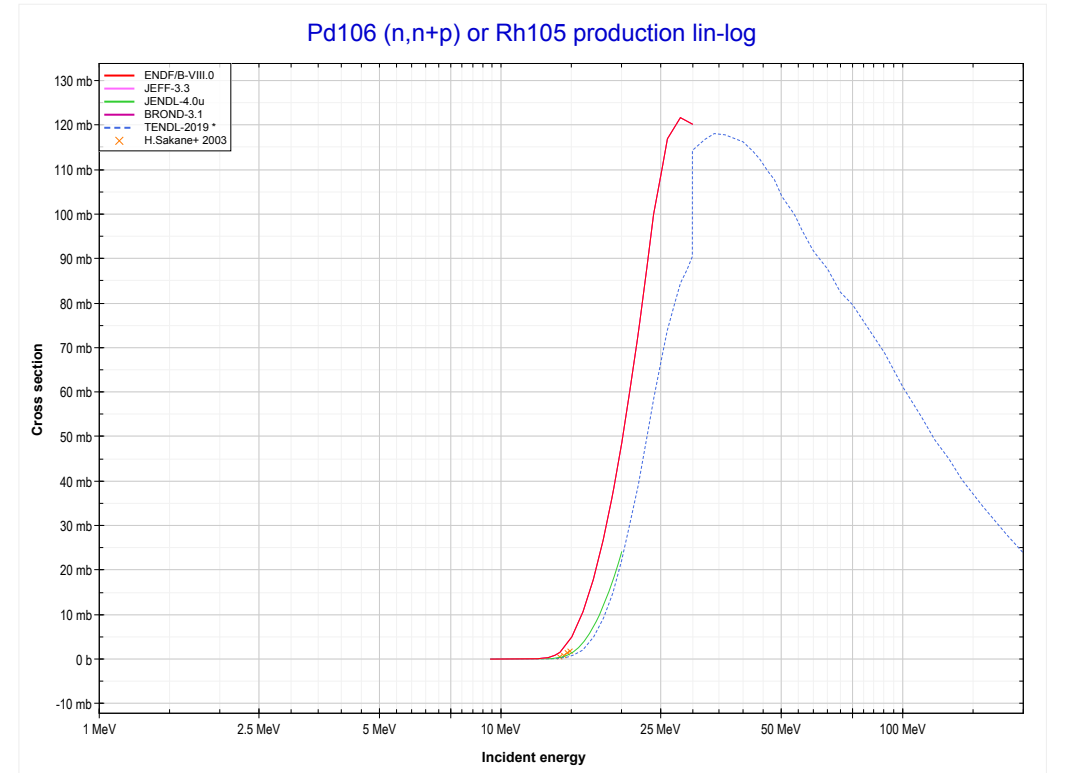
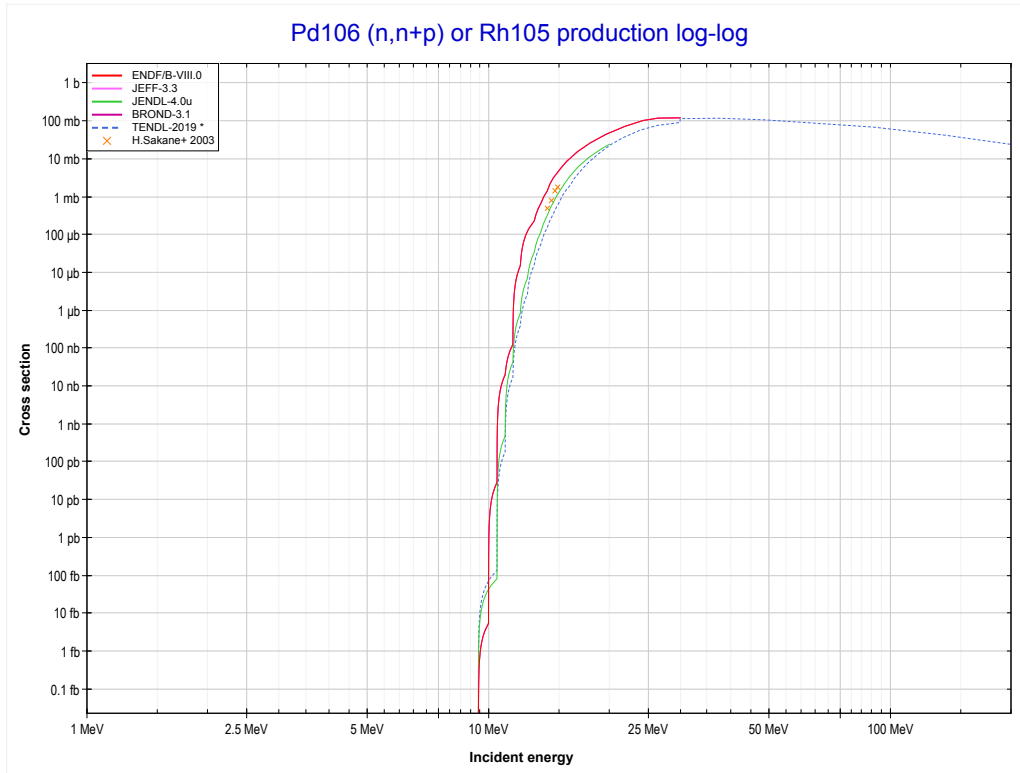
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11972E-4 b | 0.035532 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11972E-4 b | 0.035532 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.21261E-4 b | 0.0351996 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11972E-4 b | 0.035532 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87083E-4 b | 0.040657 b |
| TENDL-2019 | 1.0048E-20 b | 1.0048E-20 b | 1.1339E-20 b | 1.12844 | 1.22074E-19 b | 4.55085E-4 b | 0.0739868 b |

| | | |
|--------------------------|------------------------|-----------------|
| << 46-Pd-105 | 46-Pd-106 | 47-Ag-Nat >> |
| << 46-Pd-105 MT103 (n,p) | MT2 (n,elastic) | MT28 (n,n+p) >> |



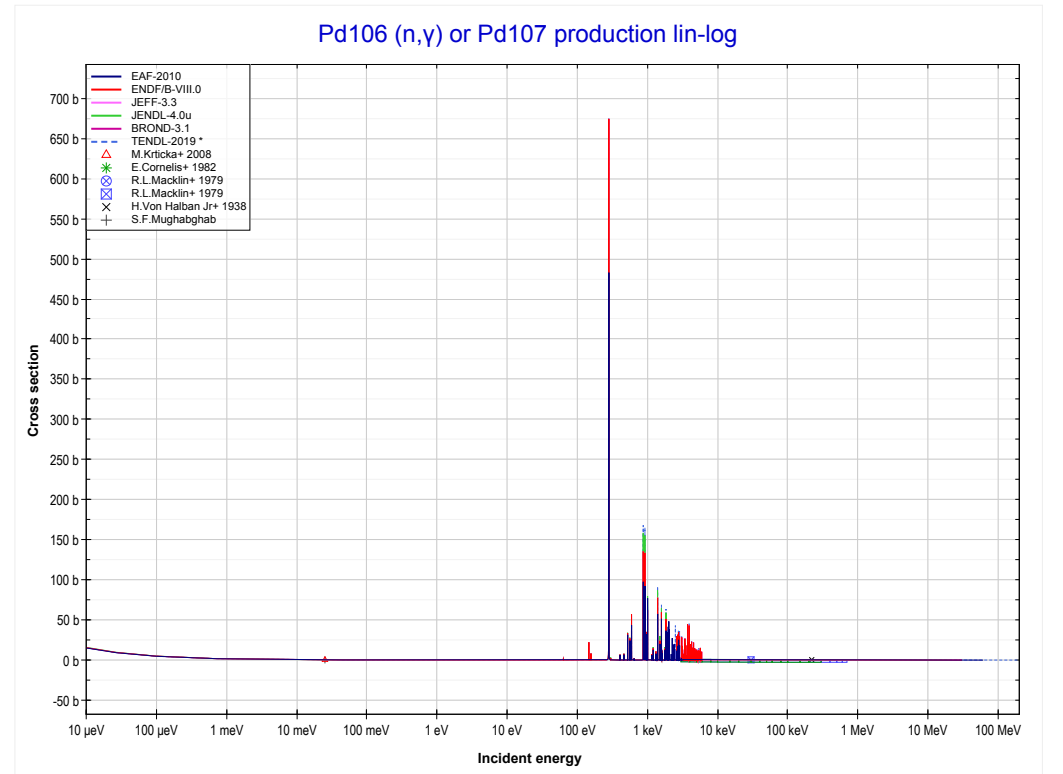
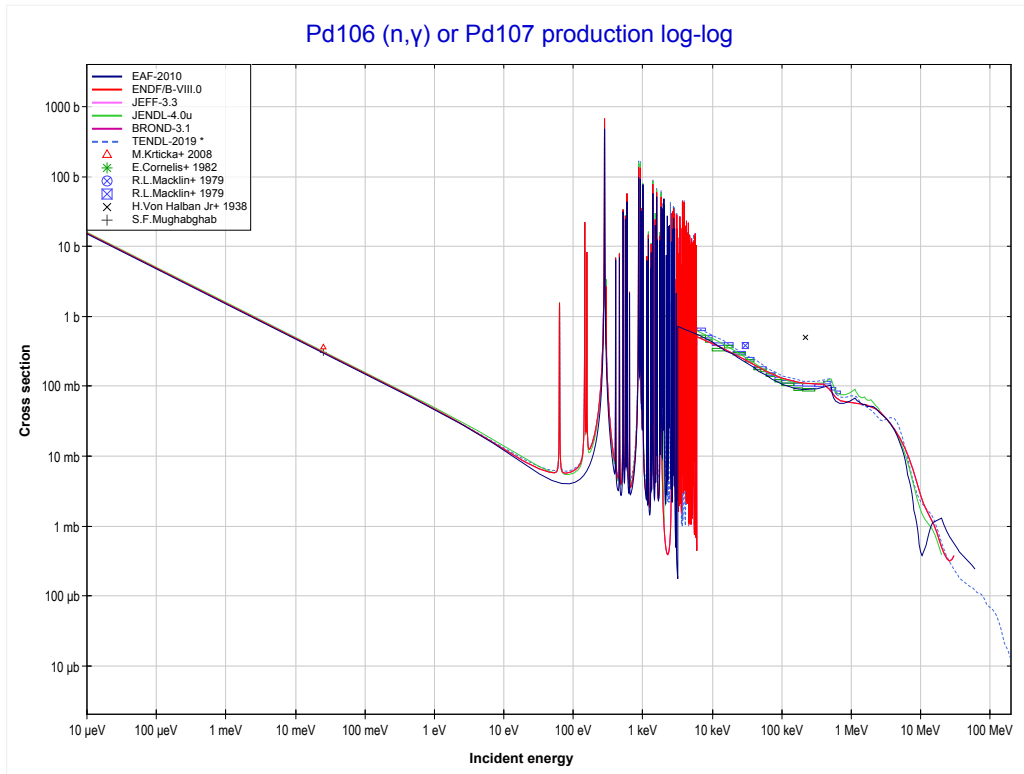
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.62732 b | 4.62732 b | 5.2212 b | 1.12835 | 99.0132 b | 4.43376 b | 2.31983 b |
| JEFF-3.3 | 4.62732 b | 4.62732 b | 5.2212 b | 1.12835 | 99.0132 b | 4.43376 b | 2.31983 b |
| JENDL-4.0u | 4.73293 b | 4.73293 b | 5.3404 b | 1.12835 | 105.602 b | 4.30015 b | 2.29549 b |
| BROND-3.1 | 4.62732 b | 4.62732 b | 5.2212 b | 1.12835 | 99.0132 b | 4.43376 b | 2.31983 b |
| TENDL-2019 | 4.99215 b | 4.99215 b | 5.6332 b | 1.12841 | 633.807 b | 4.12491 b | 2.33149 b |

| | | |
|--------------------|---|-------------------------|
| << 46-Pd-102 | 46-Pd-106 | 46-Pd-108 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Rh105 production) | MT102 (n, γ) >> |



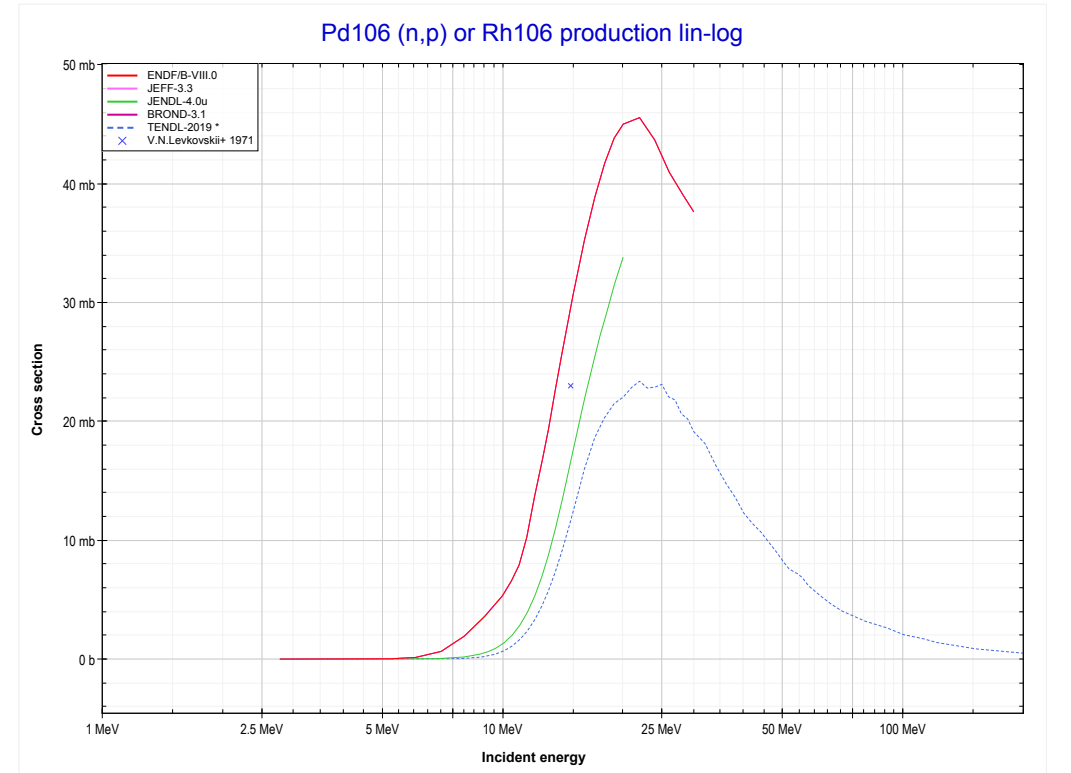
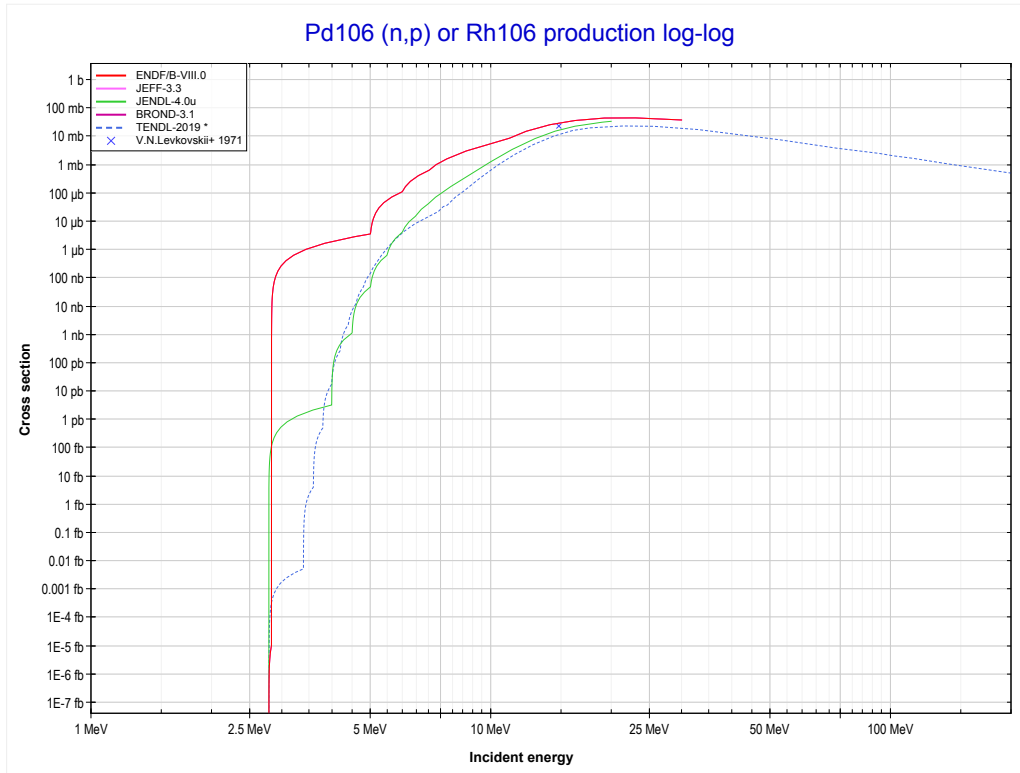
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0499E-6 b | 0.00139806 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0499E-6 b | 0.00139806 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.54789E-7 b | 3.08791E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0499E-6 b | 0.00139806 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.37259E-7 b | 1.50457E-4 b |

| | | |
|-----------------|--|----------------|
| << 46-Pd-105 | 46-Pd-106 | 46-Pd-107 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Pd107 production) | MT103 (n,p) >> |



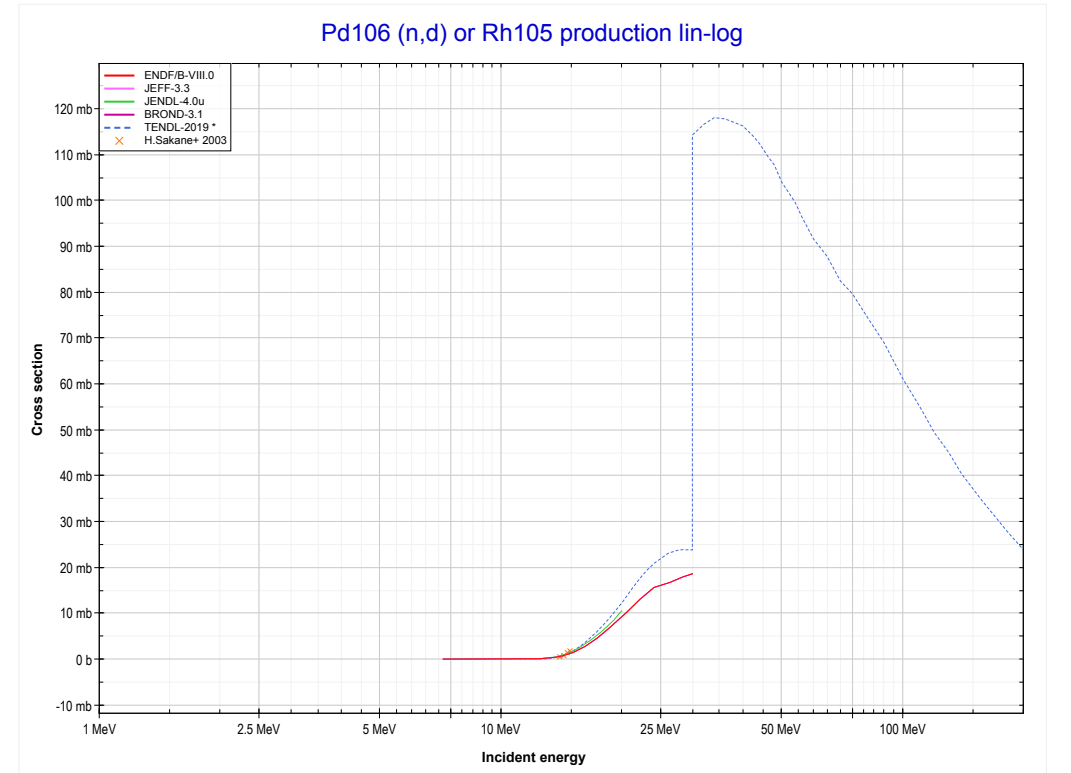
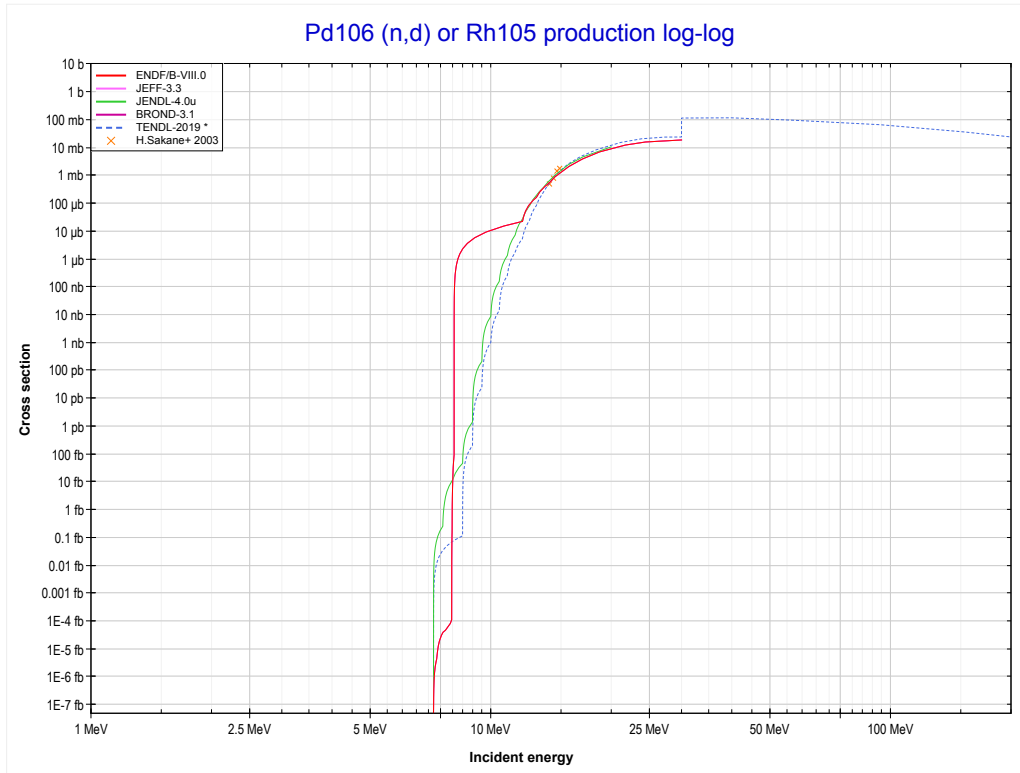
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.300695 b | 0.300469 b | 0.30028 b | 0.99936 | 5.91123 b | 0.0545411 b | 9.73198E-4 b |
| ENDF/B-VIII.0 | 0.308258 b | 0.308258 b | 0.30825 b | 0.99998 | 7.45309 b | 0.0566042 b | 0.0012865 b |
| JEFF-3.3 | 0.308258 b | 0.308258 b | 0.30825 b | 0.99998 | 7.45309 b | 0.0566042 b | 0.0012865 b |
| JENDL-4.0u | 0.317024 b | 0.317024 b | 0.31709 b | 1.00022 | 7.47497 b | 0.0659782 b | 9.7252E-4 b |
| BROND-3.1 | 0.308258 b | 0.308258 b | 0.30825 b | 0.99998 | 7.45309 b | 0.0566042 b | 0.0012865 b |
| TENDL-2019 | 0.304051 b | 0.304051 b | 0.30397 b | 0.99973 | 8.15977 b | 0.0611613 b | 0.00149025 b |

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|-------------------------|--|----------------|
| << 46-Pd-105 | 46-Pd-106 | 46-Pd-108 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rh106 production) | MT104 (n,d) >> |



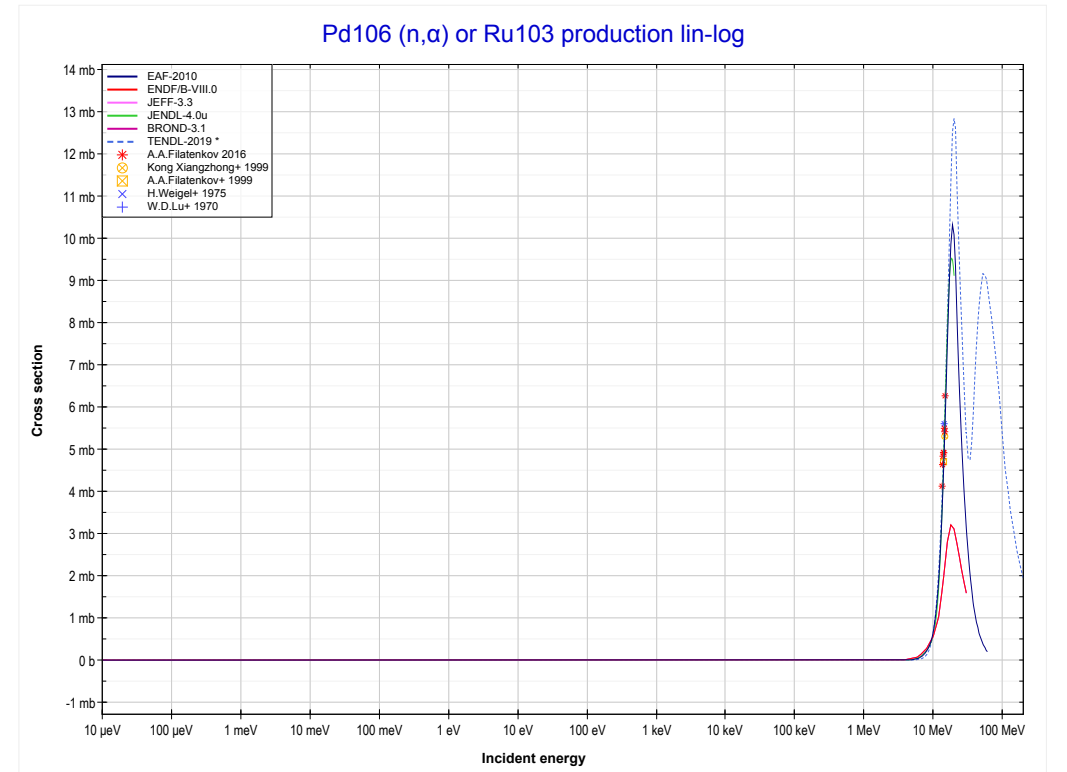
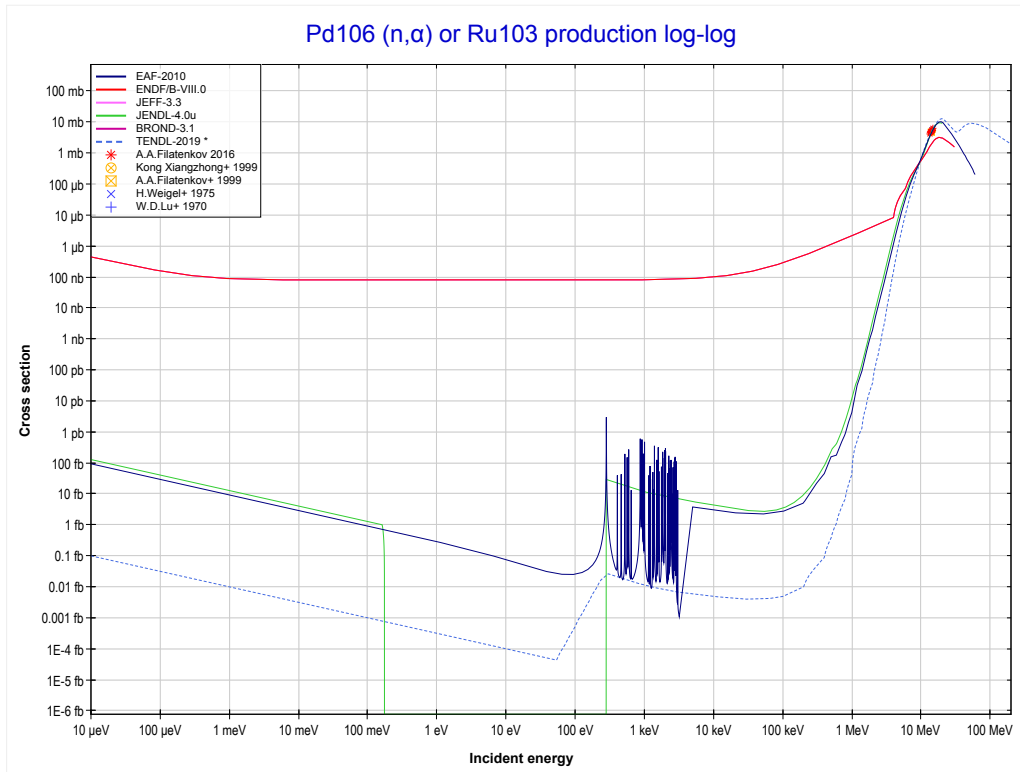
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.66865E-5 b | 0.0253041 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.66865E-5 b | 0.0253041 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.267E-5 b | 0.0129512 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.66865E-5 b | 0.0253041 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.11573E-6 b | 0.00882497 b |

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|----------------|--|-------------------------|
| << 46-Pd-102 | 46-Pd-106 | 46-Pd-108 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Rh105 production) | MT107 (n, α) >> |



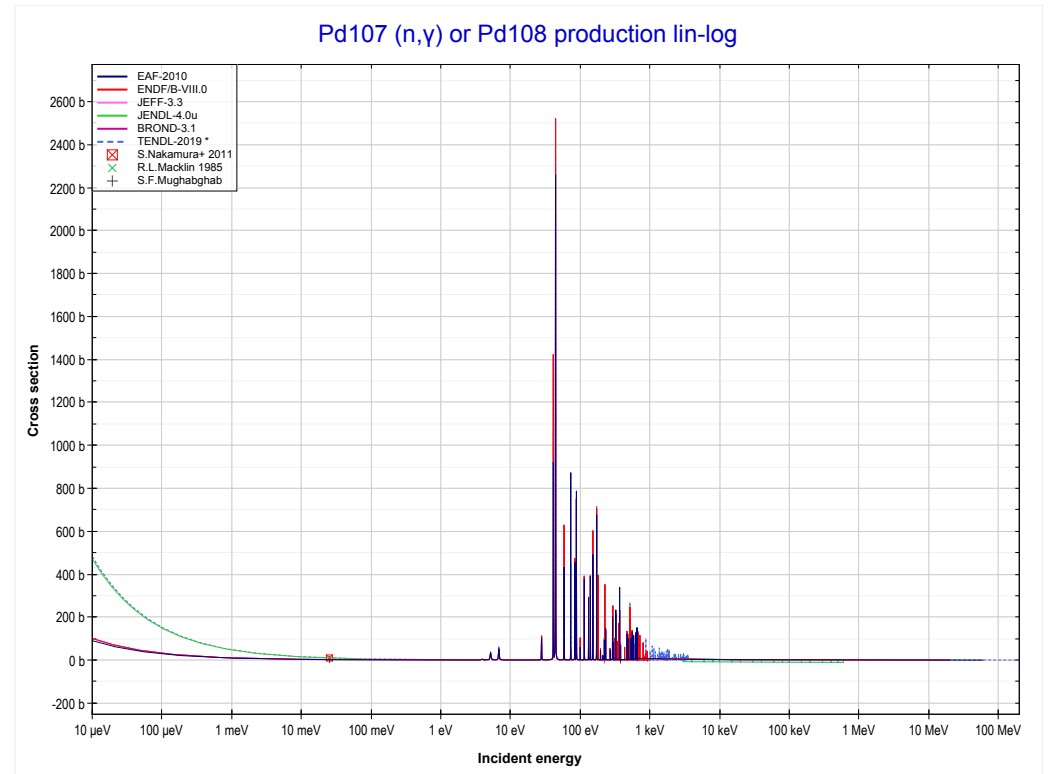
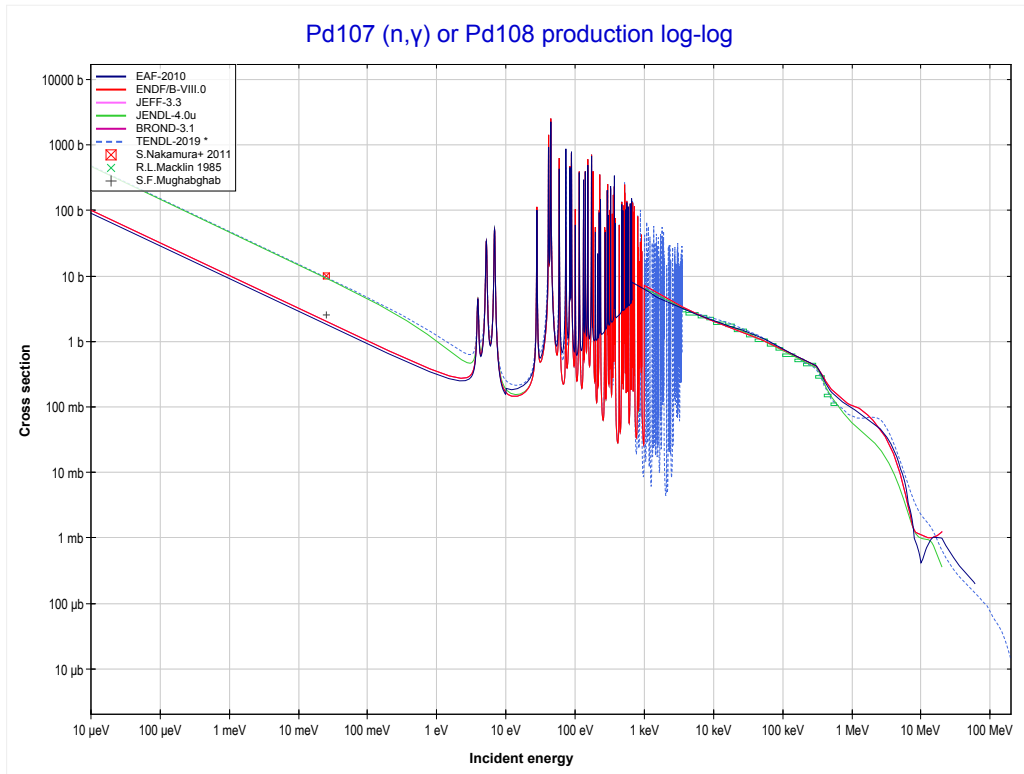
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27834E-7 b | 5.27026E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27834E-7 b | 5.27026E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.27537E-7 b | 6.33185E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27834E-7 b | 5.27025E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14215E-7 b | 5.01364E-4 b |

| | | |
|----------------|--|-----------------------------------|
| << 45-Rh-103 | 46-Pd-106 | 46-Pd-108 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ru103 production) | 46-Pd-107 MT102 (n, γ) >> |



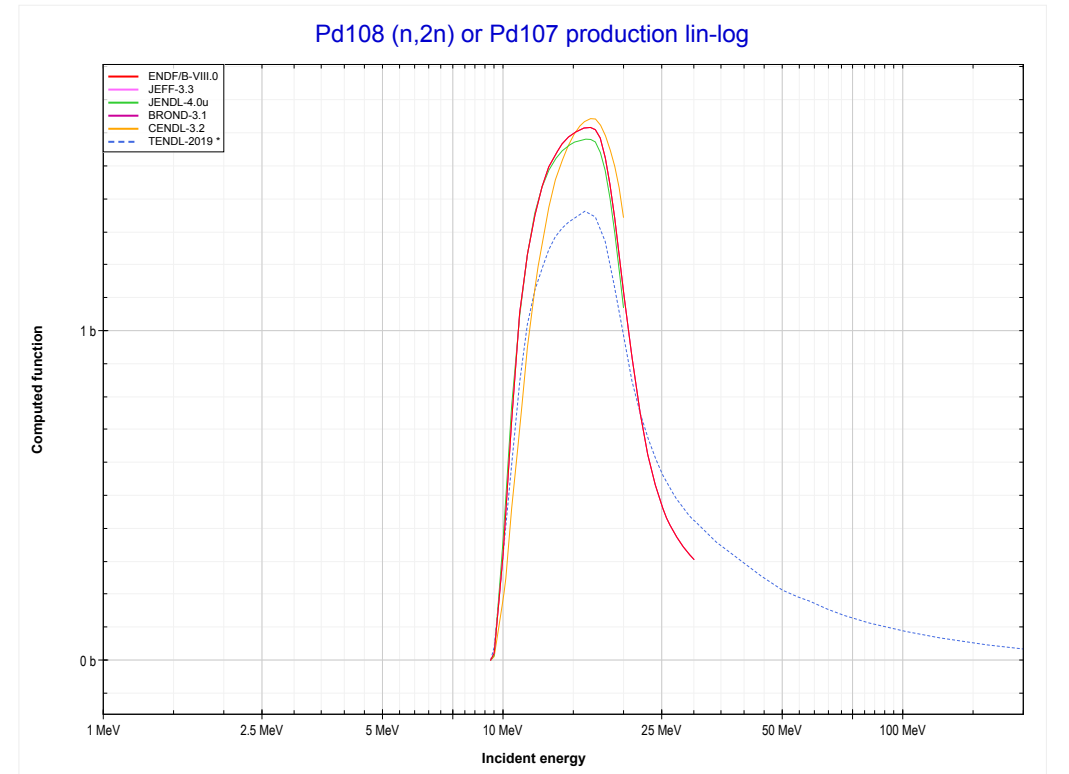
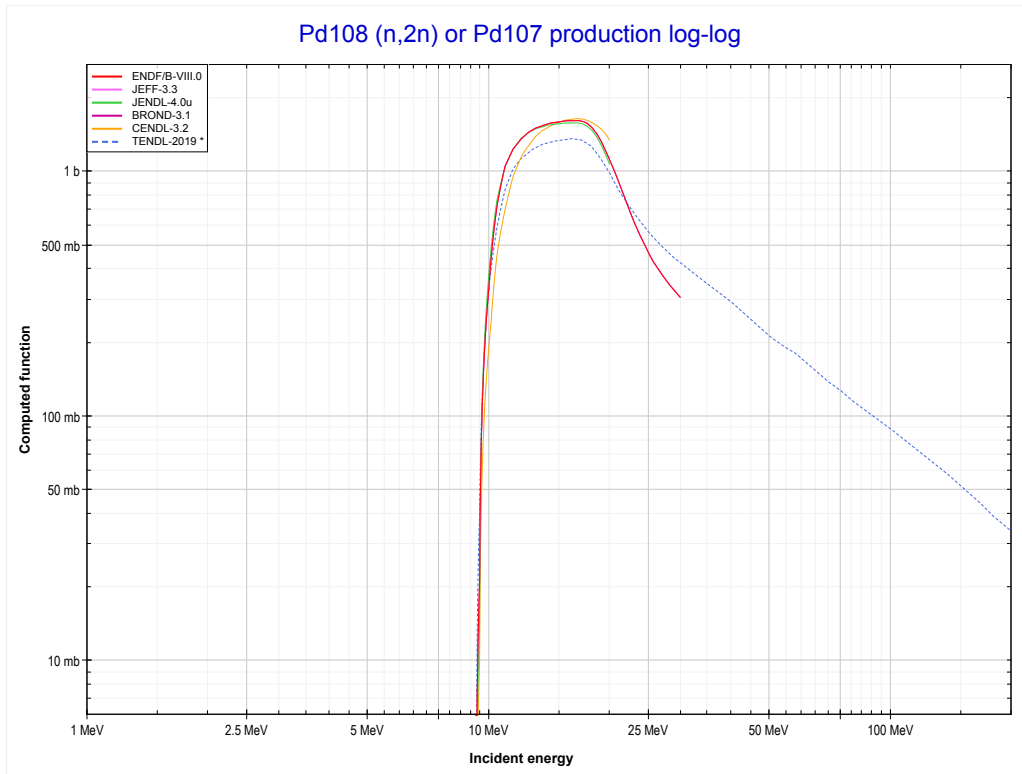
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.8514E-15 b | 1.85001E-15 b | 1.8488E-15 b | 0.99936 | 3.73446E-14 b | 8.20782E-6 b | 0.00431238 b |
| ENDF/B-VIII.0 | 7.89309E-8 b | 7.89309E-8 b | 8.9063E-8 b | 1.12837 | 1.16316E-6 b | 1.33973E-5 b | 0.00189728 b |
| JEFF-3.3 | 7.89309E-8 b | 7.89309E-8 b | 8.9063E-8 b | 1.12837 | 1.16316E-6 b | 1.33973E-5 b | 0.00189728 b |
| JENDL-4.0u | 2.5377E-15 b | 2.5377E-15 b | 2.5286E-15 b | 0.99643 | 4.80715E-14 b | 8.77164E-6 b | 0.00446531 b |
| BROND-3.1 | 7.89309E-8 b | 7.89309E-8 b | 8.9063E-8 b | 1.12837 | 1.16316E-6 b | 1.33973E-5 b | 0.00189728 b |
| TENDL-2019 | 1.9851E-18 b | 1.9851E-18 b | 1.9841E-18 b | 0.99952 | 5.7654E-17 b | 6.32834E-6 b | 0.00475715 b |

| | | |
|-----------------------------------|--|--------------------------|
| << 46-Pd-106 | 46-Pd-107 | 46-Pd-108 >> |
| << 46-Pd-106 MT107 (n, α) | MT102 (n,γ) or MT5 (Pd108 production) | 46-Pd-108 MT16 (n,2n) >> |



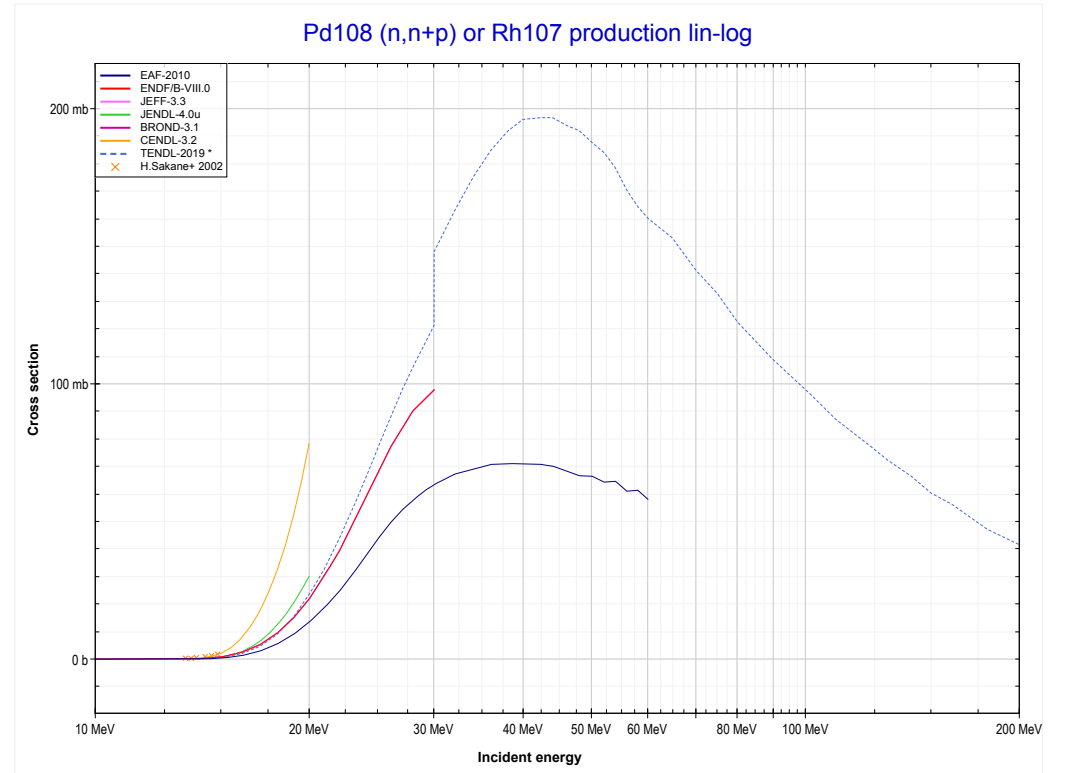
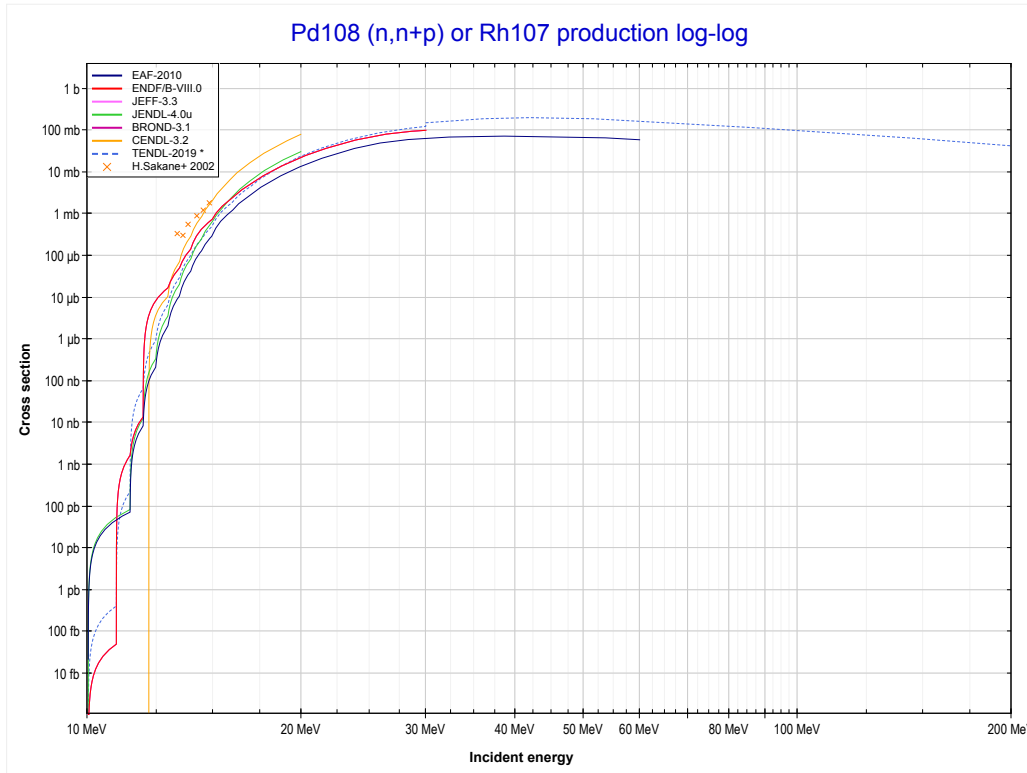
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.80667 b | 1.80532 b | 1.8068 b | 1.00082 | 104.842 b | 0.120833 b | 9.65398E-4 b |
| ENDF/B-VIII.0 | 2.00815 b | 2.00815 b | 2.0107 b | 1.00129 | 111.288 b | 0.12534 b | 0.00100169 b |
| JEFF-3.3 | 2.00815 b | 2.00815 b | 2.0107 b | 1.00129 | 111.288 b | 0.12534 b | 0.00100169 b |
| JENDL-4.0u | 9.24151 b | 9.24151 b | 9.1895 b | 0.99437 | 112.043 b | 0.0941608 b | 8.80033E-4 b |
| BROND-3.1 | 2.00815 b | 2.00815 b | 2.0107 b | 1.00129 | 111.288 b | 0.12534 b | 0.00100169 b |
| TENDL-2019 | 9.52641 b | 9.52641 b | 9.4973 b | 0.99694 | 112.442 b | 0.114636 b | 0.00144782 b |

| | | |
|-----------------------------------|--|-----------------|
| << 46-Pd-102 | 46-Pd-108 | 46-Pd-110 >> |
| << 46-Pd-107 MT102 (n, γ) | MT16 (n,2n) or MT5 (Pd107 production) | MT28 (n,n+p) >> |



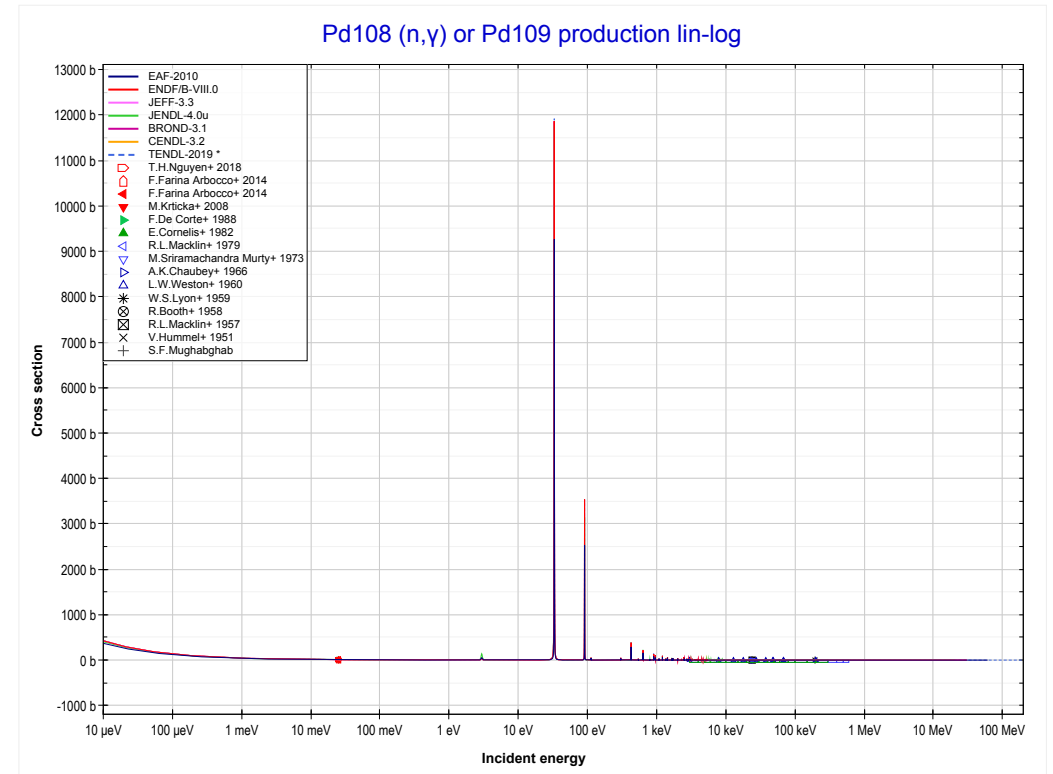
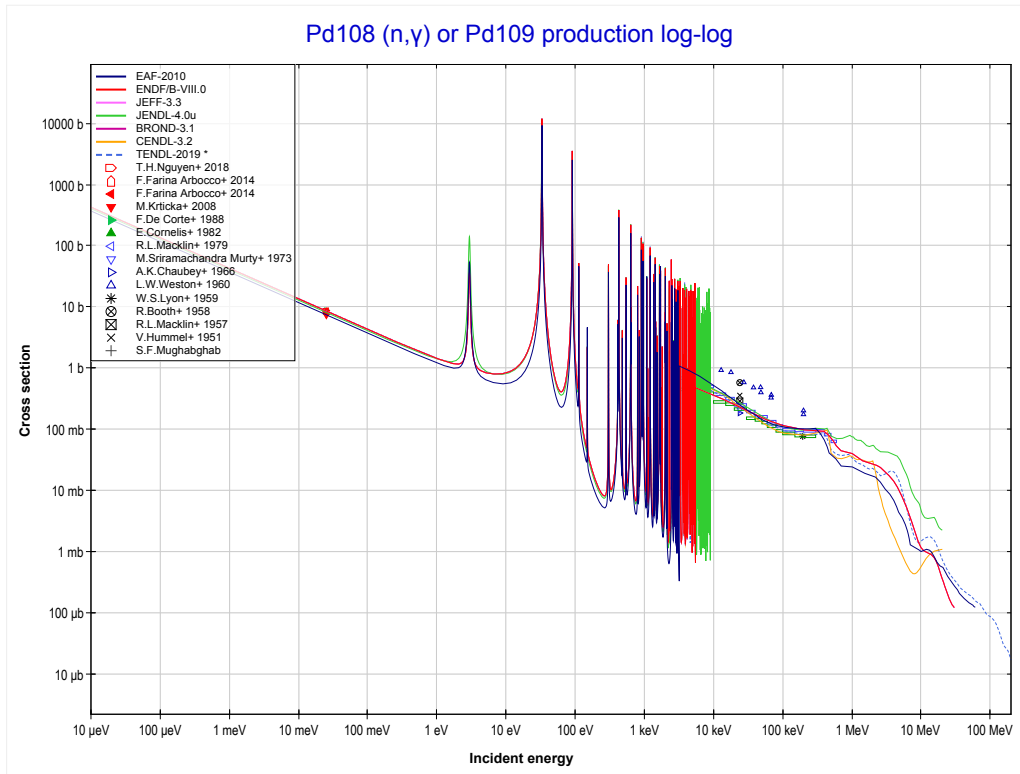
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211858 b | 1.56456 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211858 b | 1.56456 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00215776 b | 1.5438 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00211858 b | 1.56456 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00160843 b | 1.51061 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.001796 b | 1.30904 b |

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|----------------|---|-------------------------|
| << 46-Pd-106 | 46-Pd-108 | 47-Ag-Nat >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Rh107 production) | MT102 (n, γ) >> |



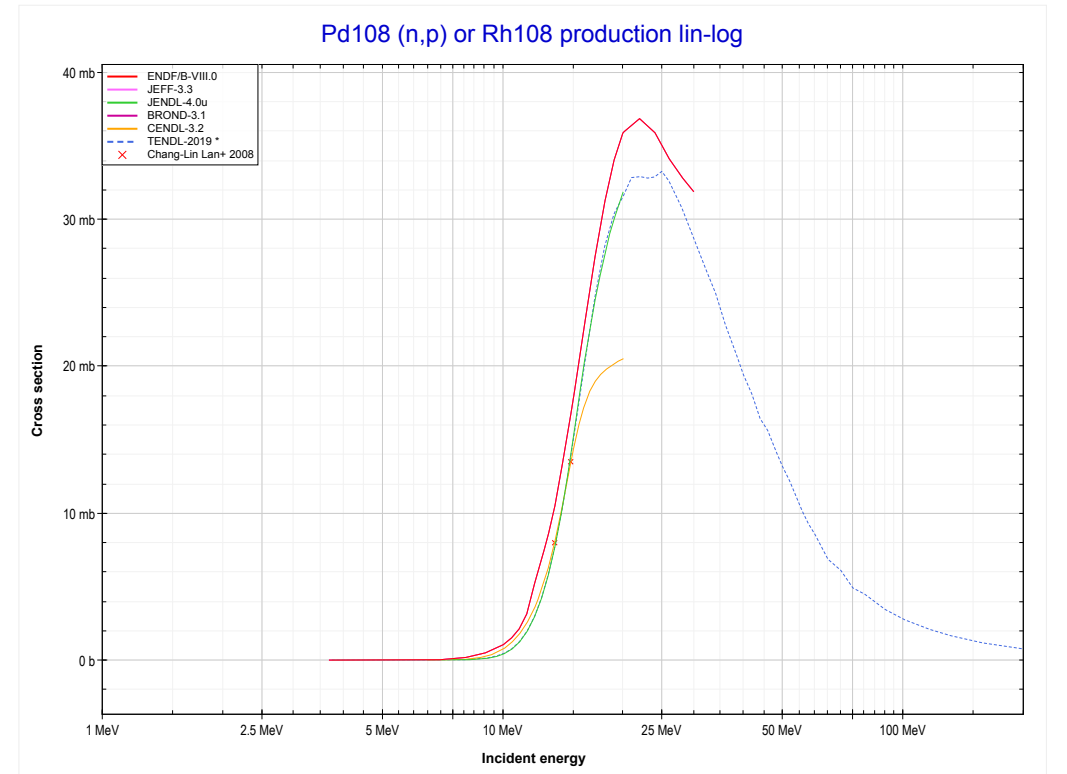
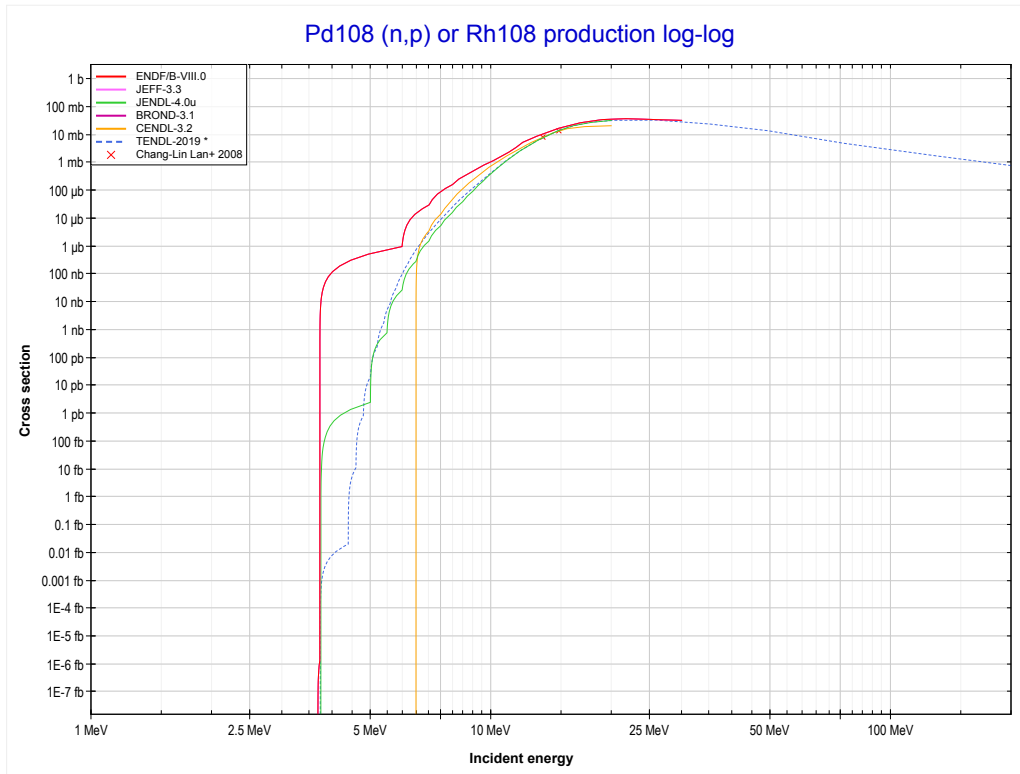
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.46617E-7 b | 1.3998E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.46617E-7 b | 1.3998E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.76709E-7 b | 8.07318E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.46617E-7 b | 1.3998E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.63462E-7 b | 2.79222E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13689E-7 b | 9.80163E-5 b |

| | | |
|-----------------|--|----------------|
| << 46-Pd-107 | 46-Pd-108 | 46-Pd-110 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Pd109 production) | MT103 (n,p) >> |



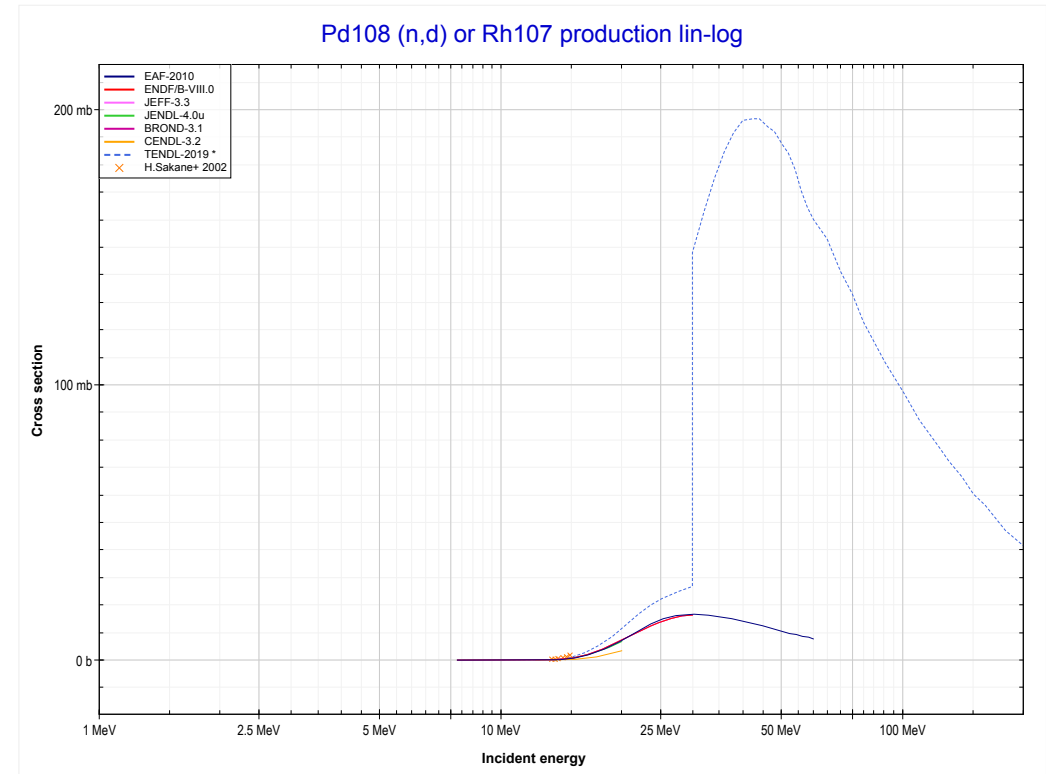
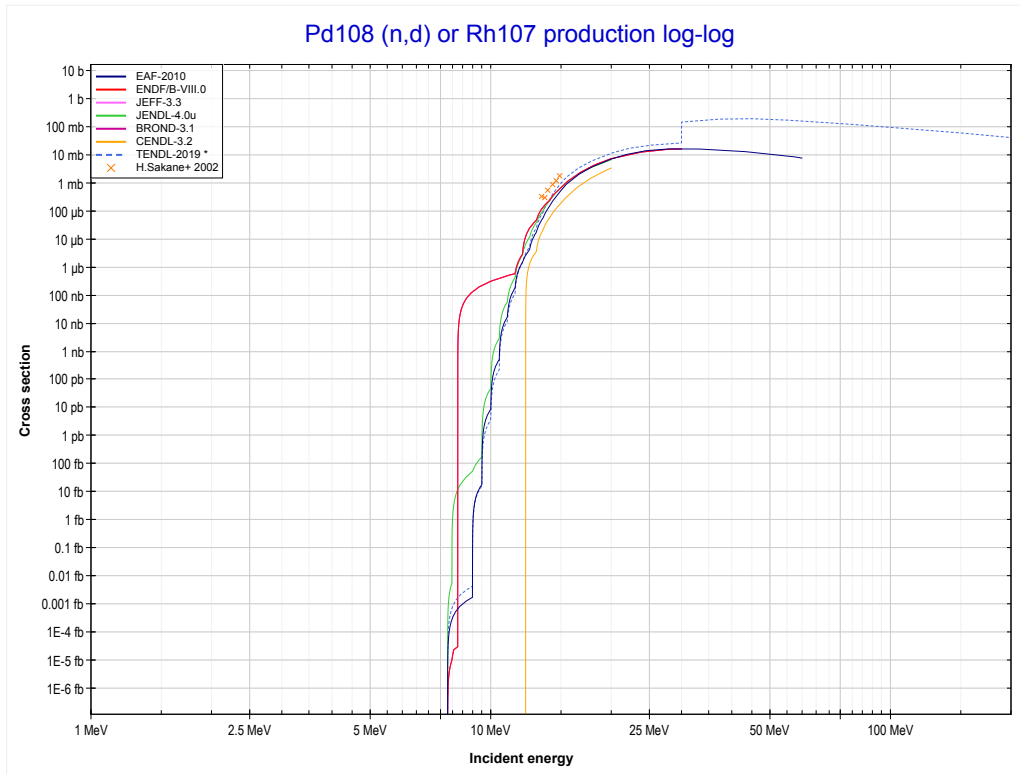
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.36235 b | 7.35684 b | 7.3579 b | 1.00015 | 173.4 b | 0.0274893 b | 0.00101 b |
| ENDF/B-VIII.0 | 8.48102 b | 8.48102 b | 8.4909 b | 1.00116 | 243.397 b | 0.0388247 b | 9.0513E-4 b |
| JEFF-3.3 | 8.48102 b | 8.48102 b | 8.4909 b | 1.00116 | 243.397 b | 0.0388247 b | 9.0513E-4 b |
| JENDL-4.0u | 8.04454 b | 8.04454 b | 8.0558 b | 1.0014 | 242.988 b | 0.0614001 b | 0.00357664 b |
| BROND-3.1 | 8.48102 b | 8.48102 b | 8.4909 b | 1.00116 | 243.397 b | 0.0388247 b | 9.0513E-4 b |
| CENDL-3.2 | 8.47876 b | 8.47876 b | 8.4858 b | 1.00082 | 243.368 b | 0.0306367 b | 9.49153E-4 b |
| TENDL-2019 | 8.5687 b | 8.5687 b | 8.5758 b | 1.00082 | 244.727 b | 0.0333738 b | 0.00173782 b |

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|-------------------------|--|----------------|
| << 46-Pd-106 | 46-Pd-108 | 47-Ag-107 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Rh108 production) | MT104 (n,d) >> |



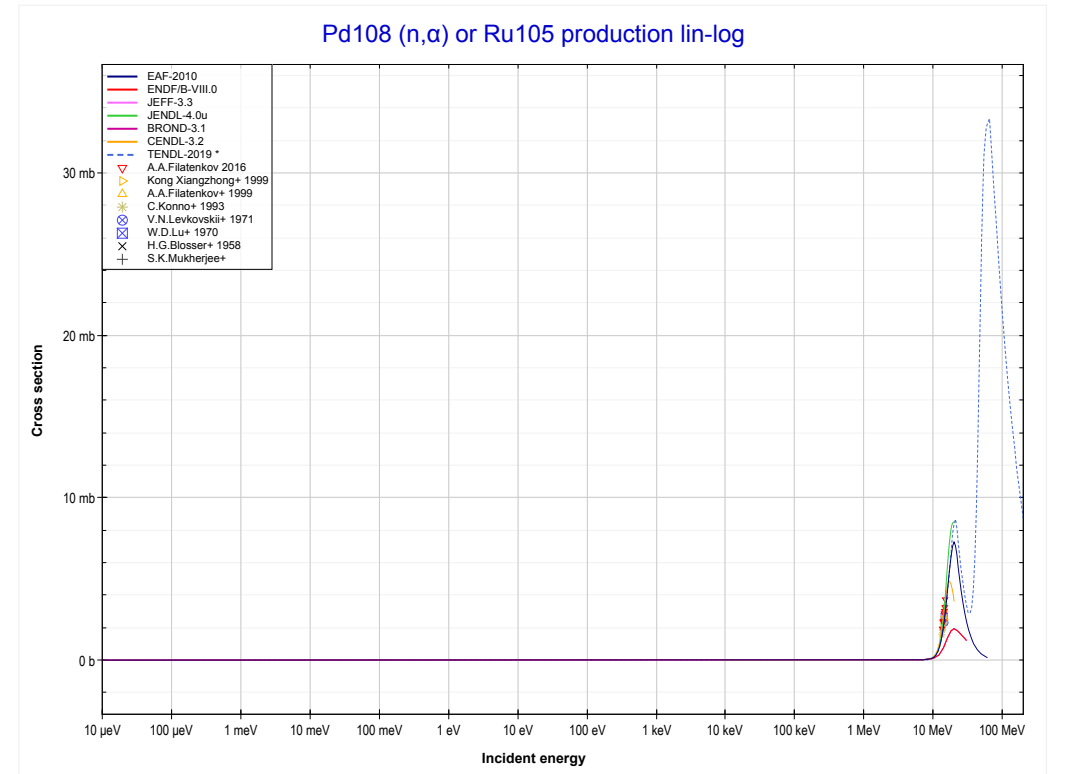
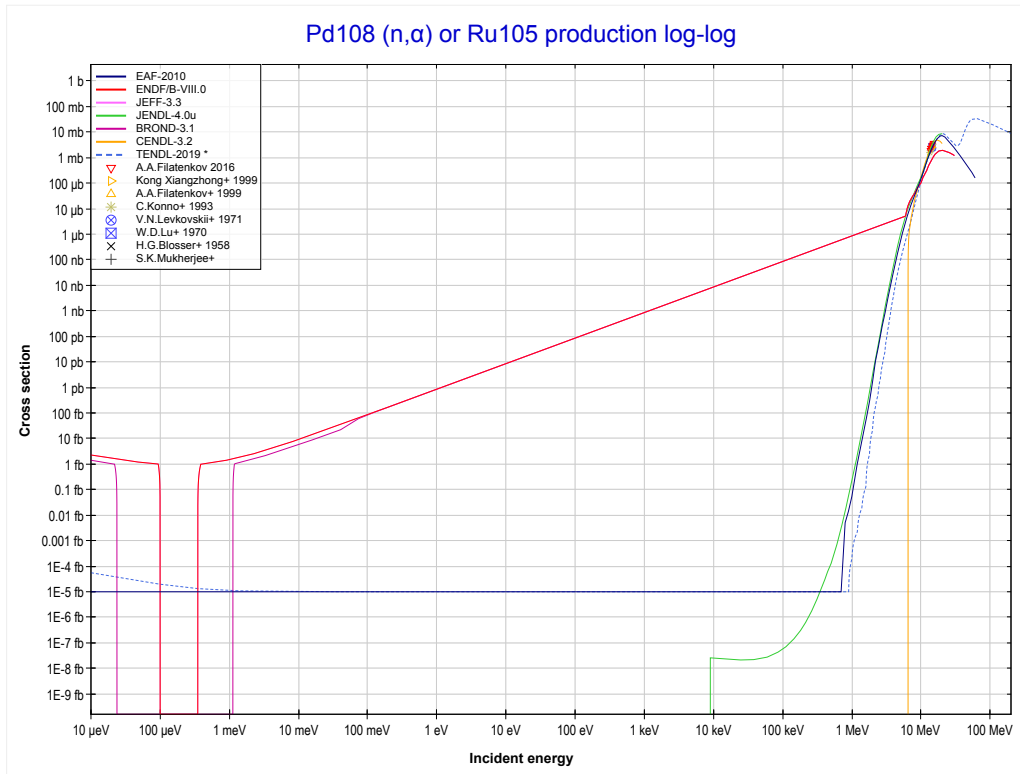
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16015E-5 b | 0.0128062 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16015E-5 b | 0.0128062 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.0569E-6 b | 0.0098563 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16015E-5 b | 0.0128062 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.54954E-6 b | 0.0100375 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.25054E-6 b | 0.00984147 b |

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|----------------|--|-------------------------|
| << 46-Pd-106 | 46-Pd-108 | 48-Cd-106 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Rh107 production) | MT107 (n, α) >> |



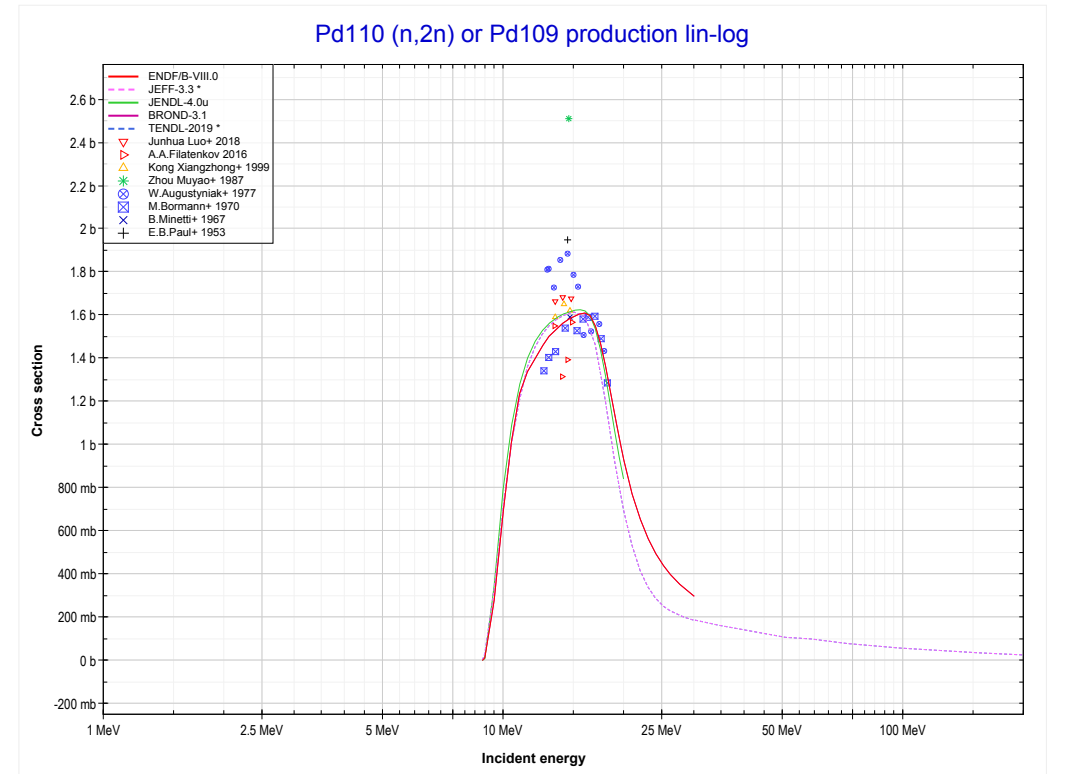
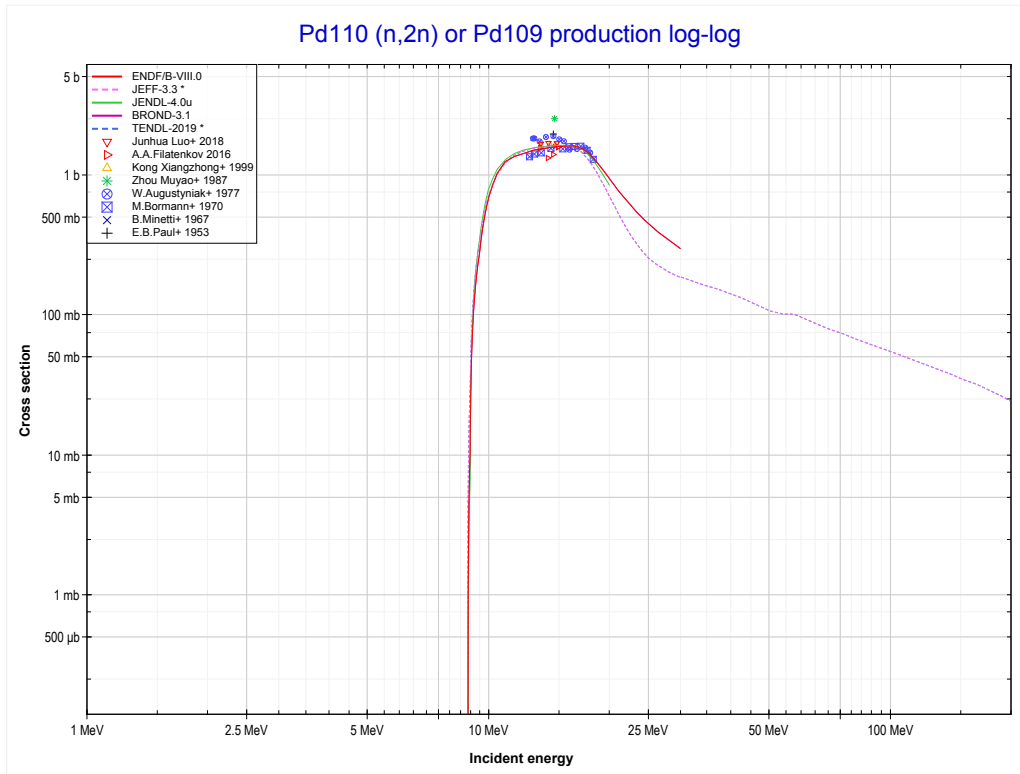
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29156E-7 b | 1.38683E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60649E-7 b | 2.26946E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60649E-7 b | 2.26946E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.4945E-7 b | 2.20738E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60649E-7 b | 2.26946E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.03764E-8 b | 5.47574E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20297E-7 b | 2.3788E-4 b |

| | | |
|----------------|--|--------------------------|
| << 46-Pd-106 | 46-Pd-108 | 46-Pd-110 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Ru105 production) | 46-Pd-110 MT16 (n,2n) >> |



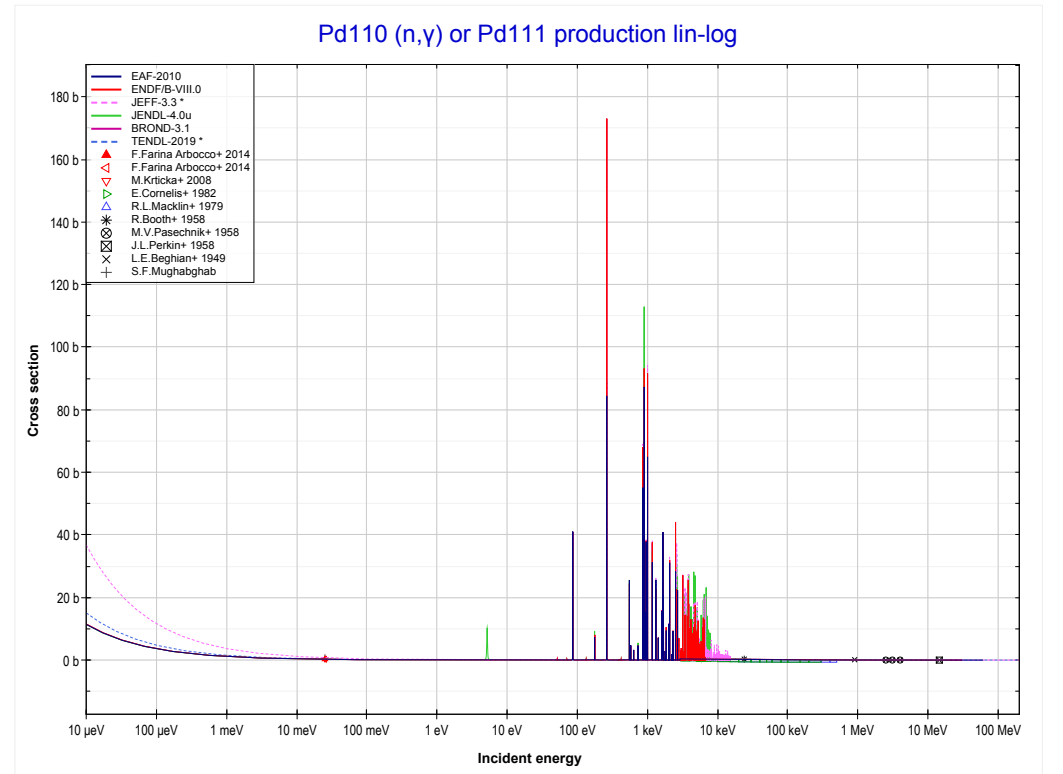
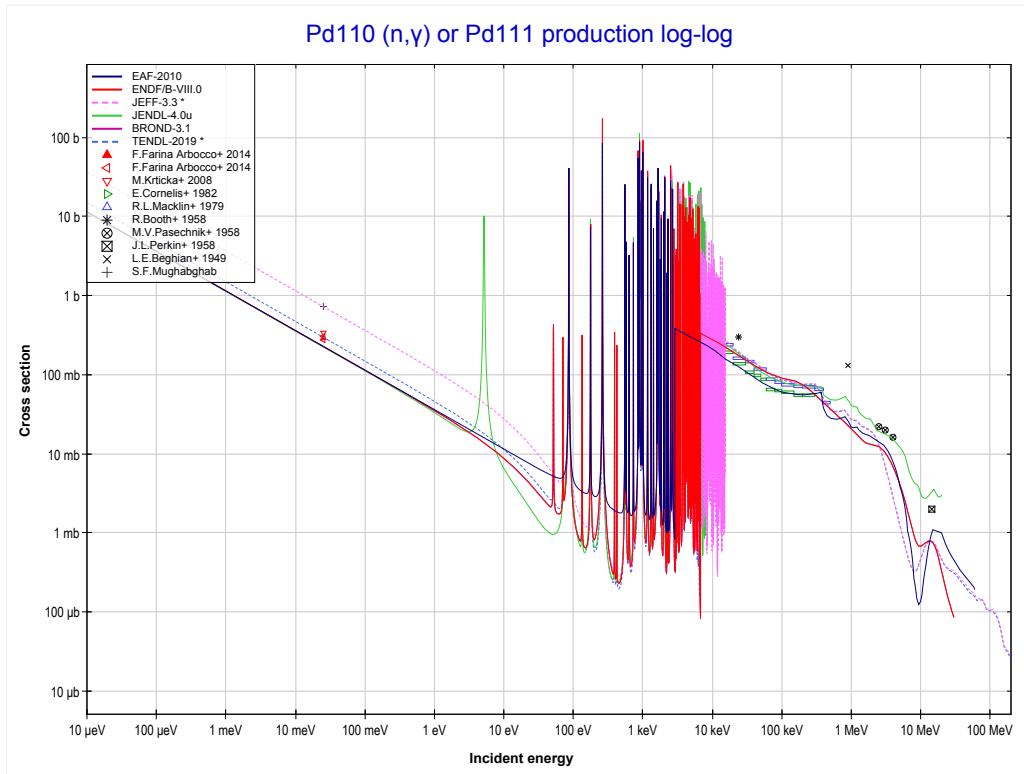
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22079E-19 b | 1.91687E-6 b | 0.00200974 b |
| ENDF/B-VIII.0 | 2.21798E-14 b | 2.21798E-14 b | 4.938E-14 b | 2.22633 | 8.53028E-8 b | 2.87429E-6 b | 7.32817E-4 b |
| JEFF-3.3 | 2.21798E-14 b | 2.21798E-14 b | 4.938E-14 b | 2.22633 | 8.53028E-8 b | 2.87429E-6 b | 7.32817E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 6.3667E-23 b | 2.3784E-6 b | 0.00252106 b |
| BROND-3.1 | 1.3862E-14 b | 1.3862E-14 b | 4.145E-14 b | 2.99021 | 8.53028E-8 b | 2.87429E-6 b | 7.32817E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.97949E-6 b | 0.00265999 b |
| TENDL-2019 | 1.0047E-20 b | 1.0047E-20 b | 1.1337E-20 b | 1.12843 | 1.22074E-19 b | 1.4921E-6 b | 0.00198862 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 46-Pd-108 | 46-Pd-110 | 47-Ag-Nat >> |
| << 46-Pd-108 MT107 (n, α) | MT16 (n,2n) or MT5 (Pd109 production) | MT102 (n, γ) >> |



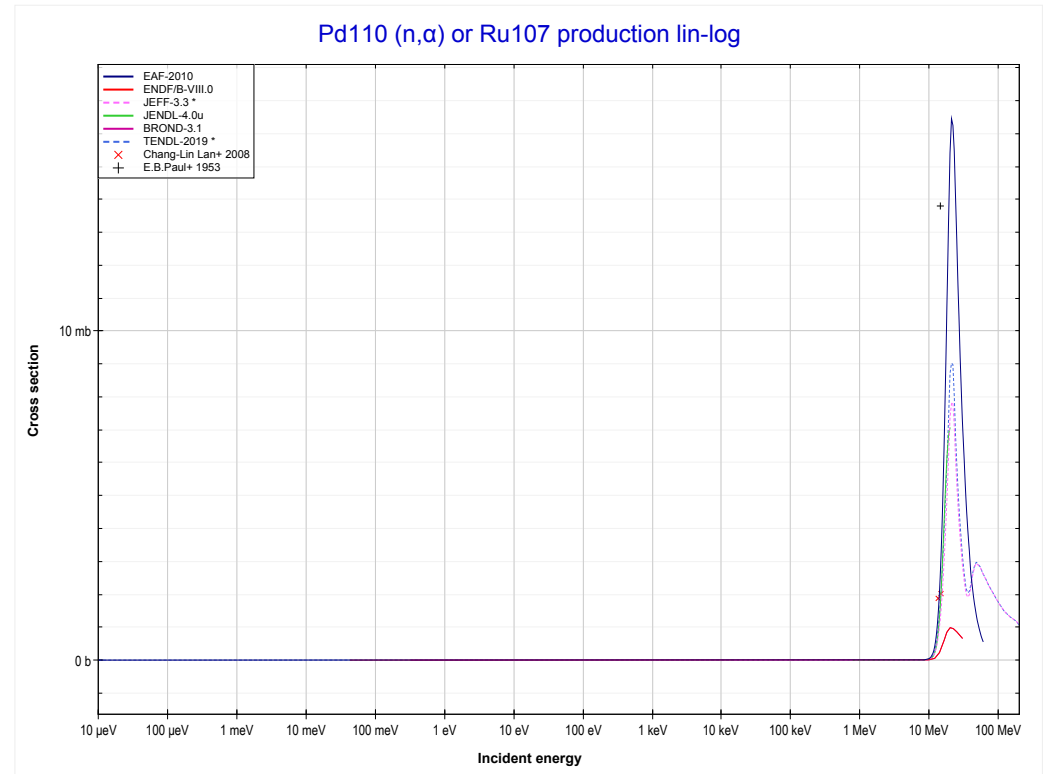
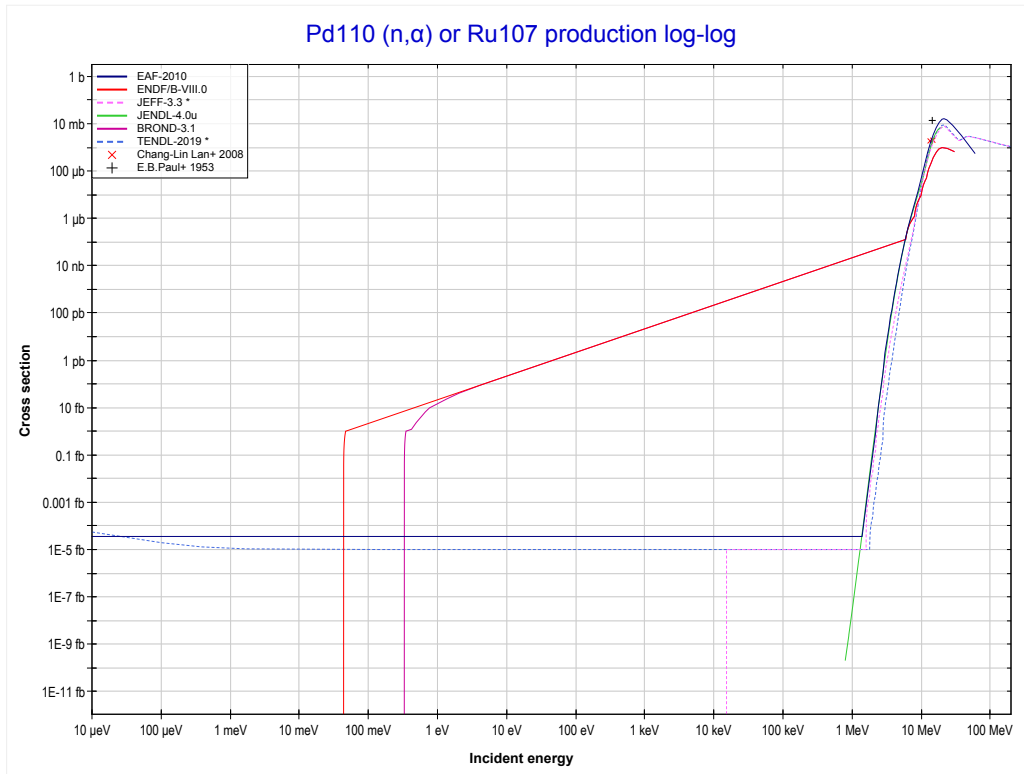
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00287878 b | 1.55723 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00297856 b | 1.59406 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00311888 b | 1.60099 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00287878 b | 1.55723 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00298195 b | 1.59391 b |

| | | |
|----------------|--|-------------------------|
| << 46-Pd-108 | 46-Pd-110 | 47-Ag-Nat >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Pd111 production) | MT107 (n, α) >> |



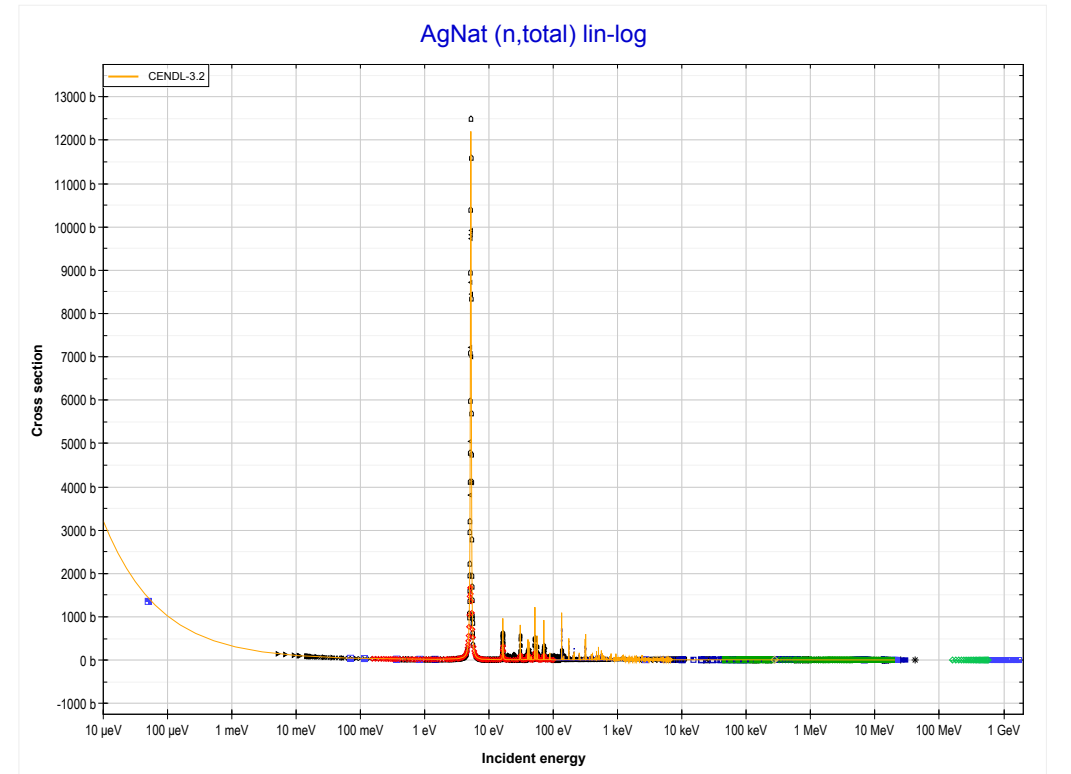
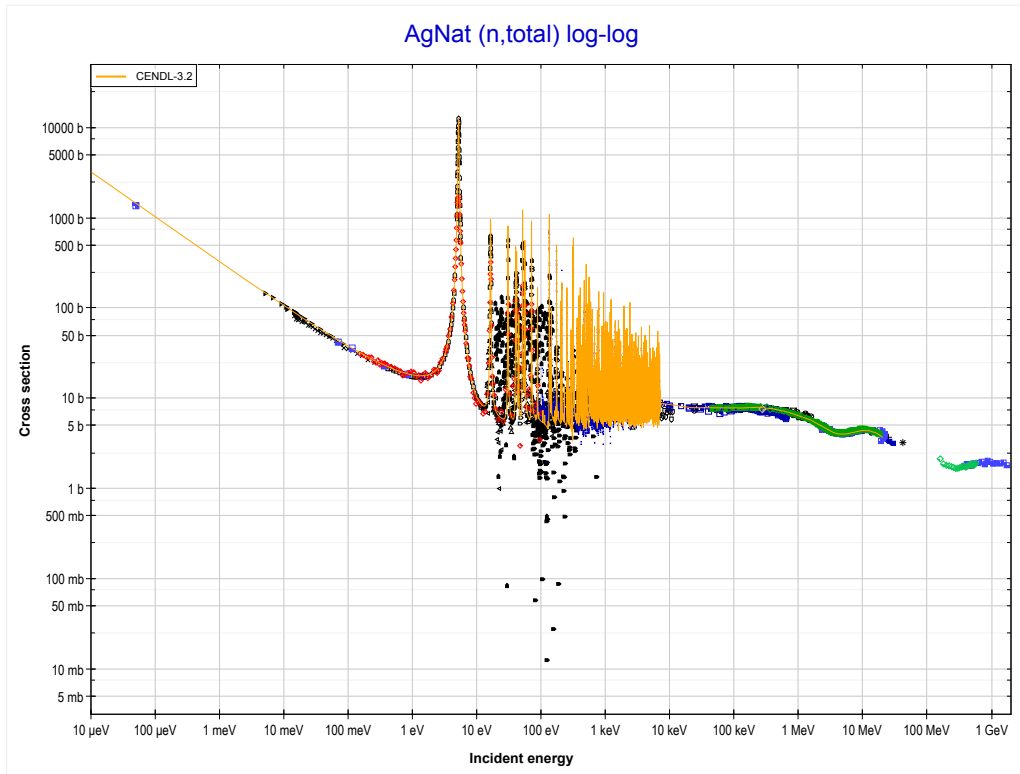
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.22727 b | 0.227099 b | 0.22705 b | 0.99978 | 2.28723 b | 0.0217734 b | 9.03699E-4 b |
| ENDF/B-VIII.0 | 0.229047 b | 0.229047 b | 0.22906 b | 1.00006 | 2.95743 b | 0.021824 b | 7.9192E-4 b |
| JEFF-3.3 | 0.731424 b | 0.731424 b | 0.73146 b | 1.00005 | 2.80244 b | 0.0256464 b | 7.94098E-4 b |
| JENDL-4.0u | 0.225569 b | 0.225569 b | 0.22542 b | 0.99935 | 3.09526 b | 0.0344549 b | 0.00318005 b |
| BROND-3.1 | 0.229047 b | 0.229047 b | 0.22906 b | 1.00006 | 2.95743 b | 0.021824 b | 7.9192E-4 b |
| TENDL-2019 | 0.299714 b | 0.299714 b | 0.29962 b | 0.99968 | 2.75649 b | 0.0253642 b | 7.9258E-4 b |

| | | |
|-------------------------|--|----------------------------|
| << 46-Pd-108 | 46-Pd-110 | 47-Ag-107 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Ru107 production) | 47-Ag-Nat MT1 (n,total) >> |



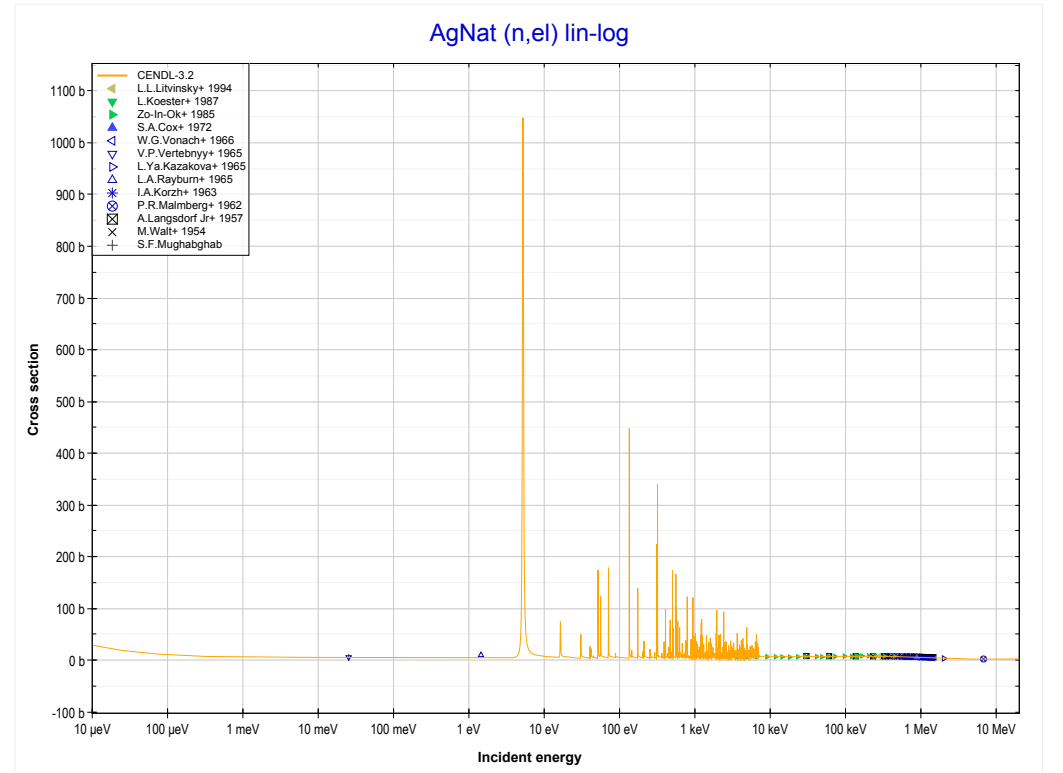
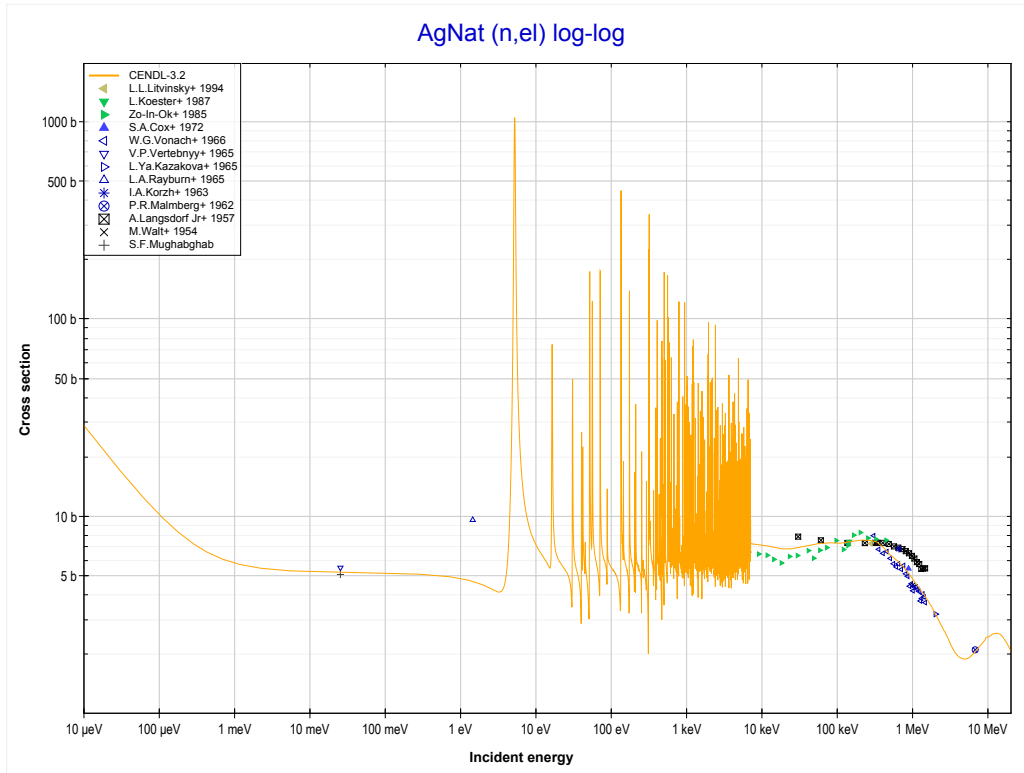
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.57705E-20 b | 3.57705E-20 b | 4.036E-20 b | 1.12915 | 4.36694E-19 b | 1.14763E-6 b | 0.00197598 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 1.8771E-15 b | 0 | 2.14986E-9 b | 2.07274E-7 b | 2.16643E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.87915E-20 b | 5.26029E-7 b | 9.72347E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.88618E-7 b | 0.0012044 b |
| BROND-3.1 | 0 b | 0 b | 8.7753E-16 b | 0 | 2.14985E-9 b | 2.07274E-7 b | 2.16643E-4 b |
| TENDL-2019 | 1.0046E-20 b | 1.0046E-20 b | 1.1336E-20 b | 1.12841 | 1.22074E-19 b | 7.11743E-7 b | 0.00135386 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 45-Rh-103 | 47-Ag-Nat | 47-Ag-107 >> |
| << 46-Pd-110 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



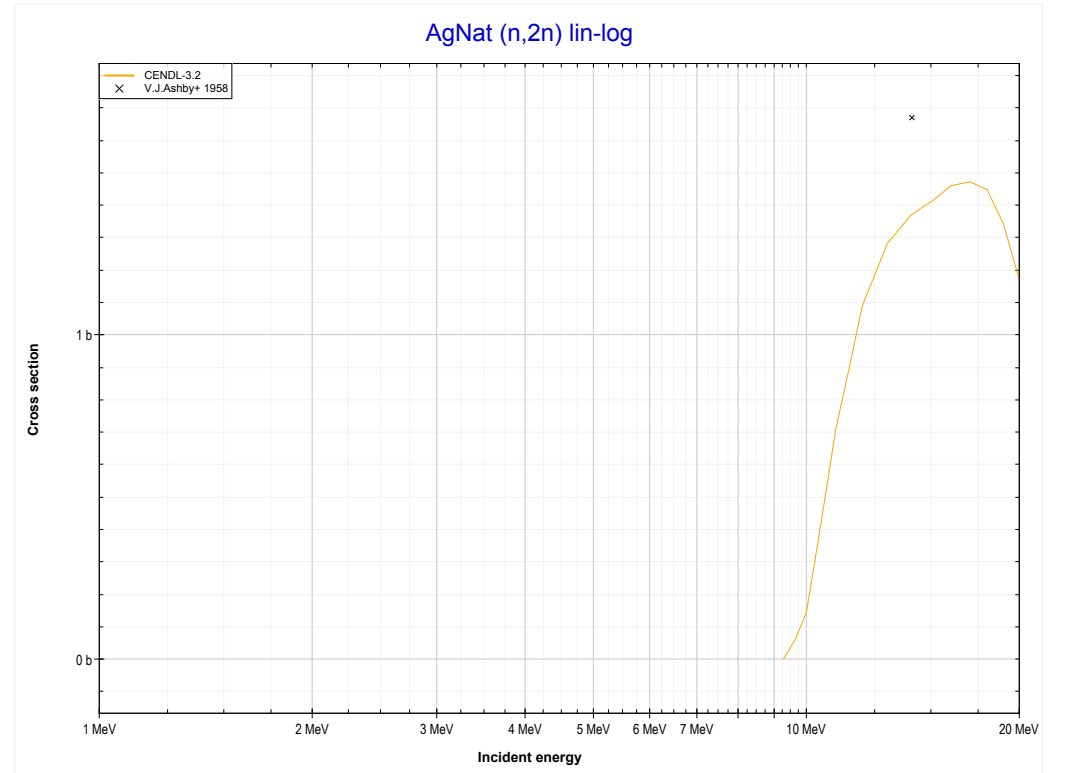
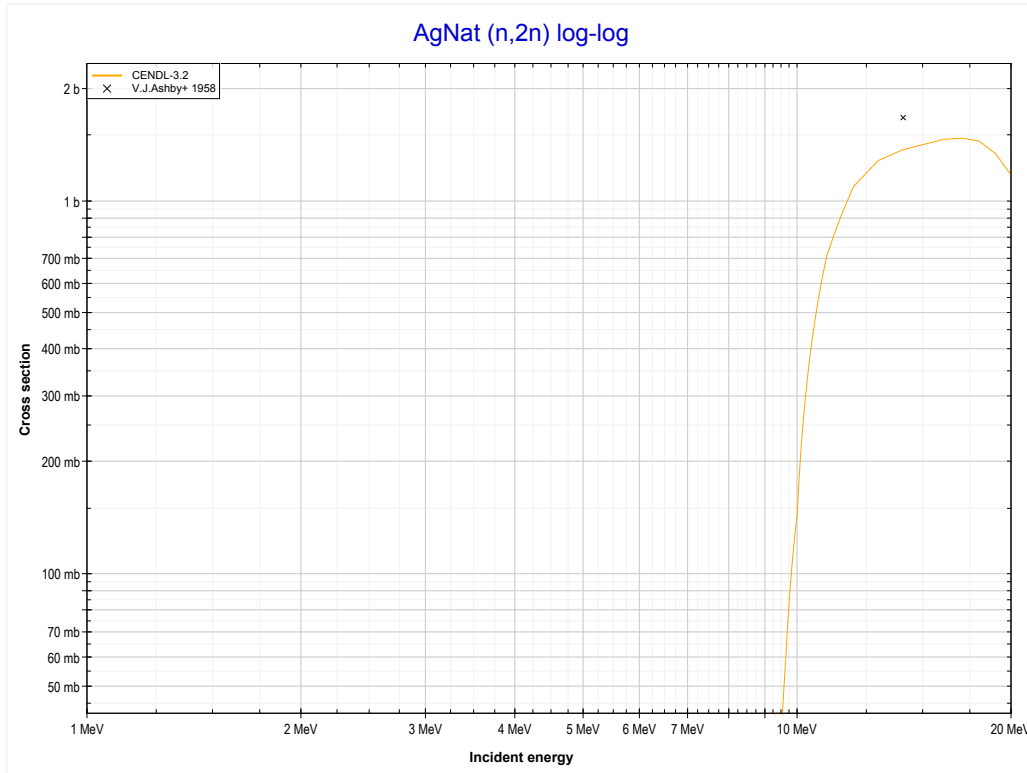
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 68.8343 b | 68.8343 b | 69.672 b | 1.01216 | 914.766 b | 5.74792 b | 4.29508 b |

| | | |
|------------------|------------------------|----------------|
| << 46-Pd-106 | 47-Ag-Nat | 47-Ag-107 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



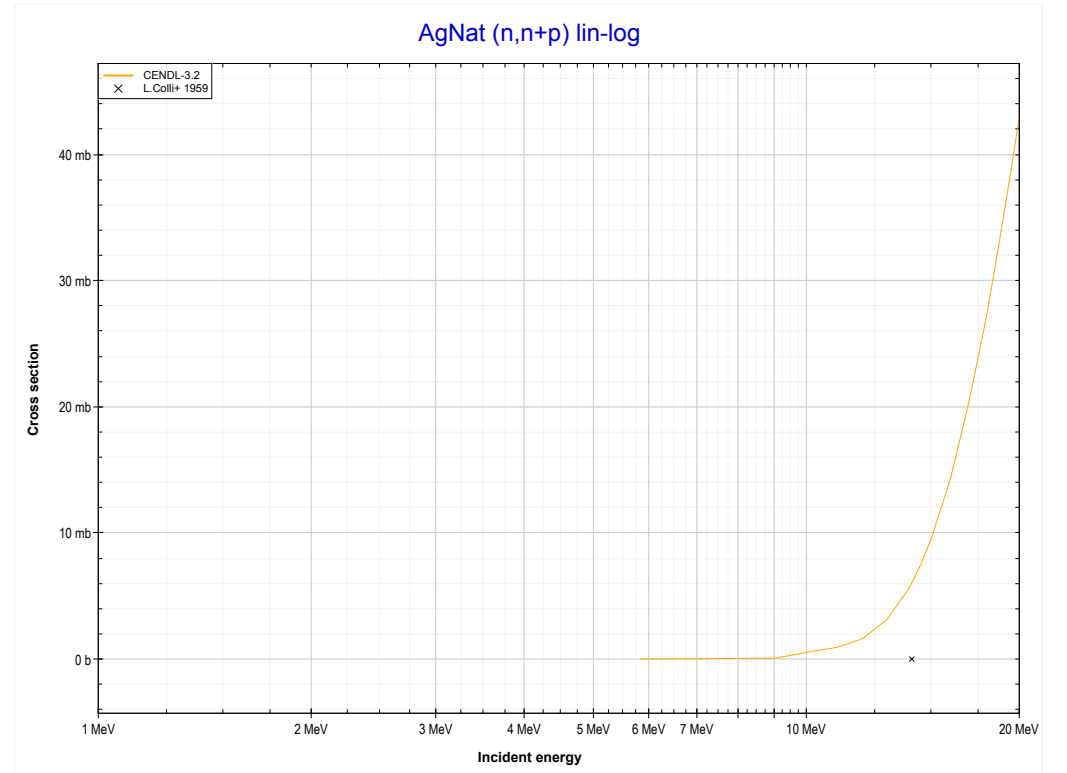
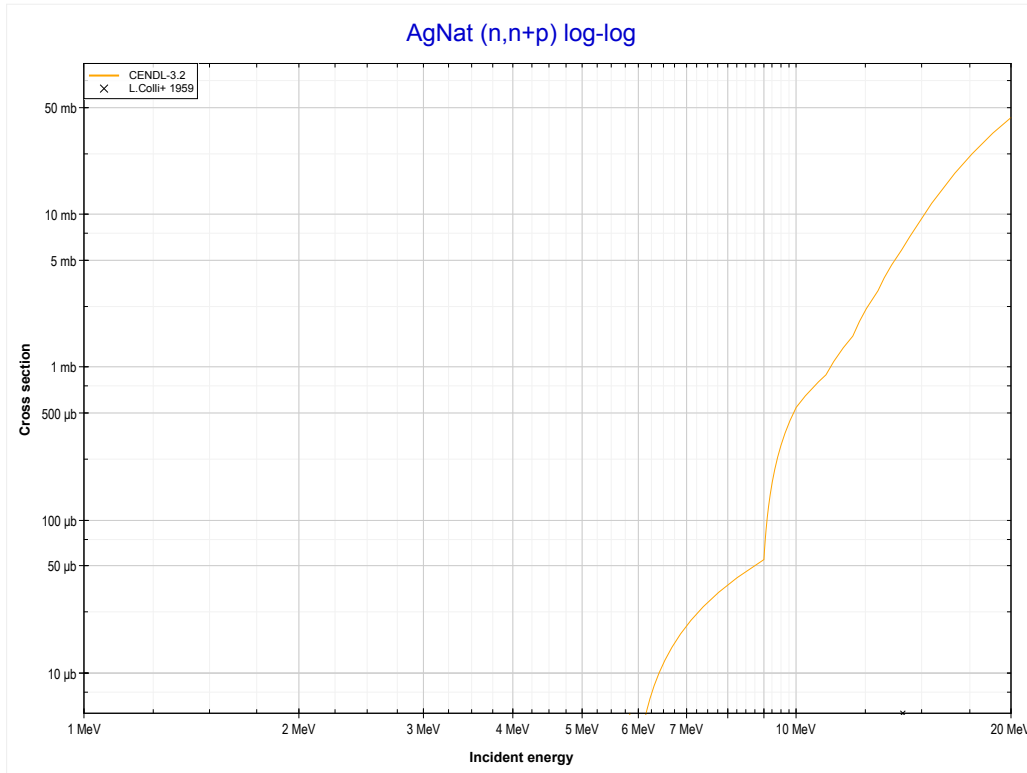
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 5.20446 b | 5.20446 b | 5.8635 b | 1.12662 | 152.789 b | 4.0608 b | 2.5446 b |

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|--------------------|--------------------|-----------------|
| << 46-Pd-110 | 47-Ag-Nat | 47-Ag-107 >> |
| << MT2 (n,elastic) | MT16 (n,2n) | MT28 (n,n+p) >> |



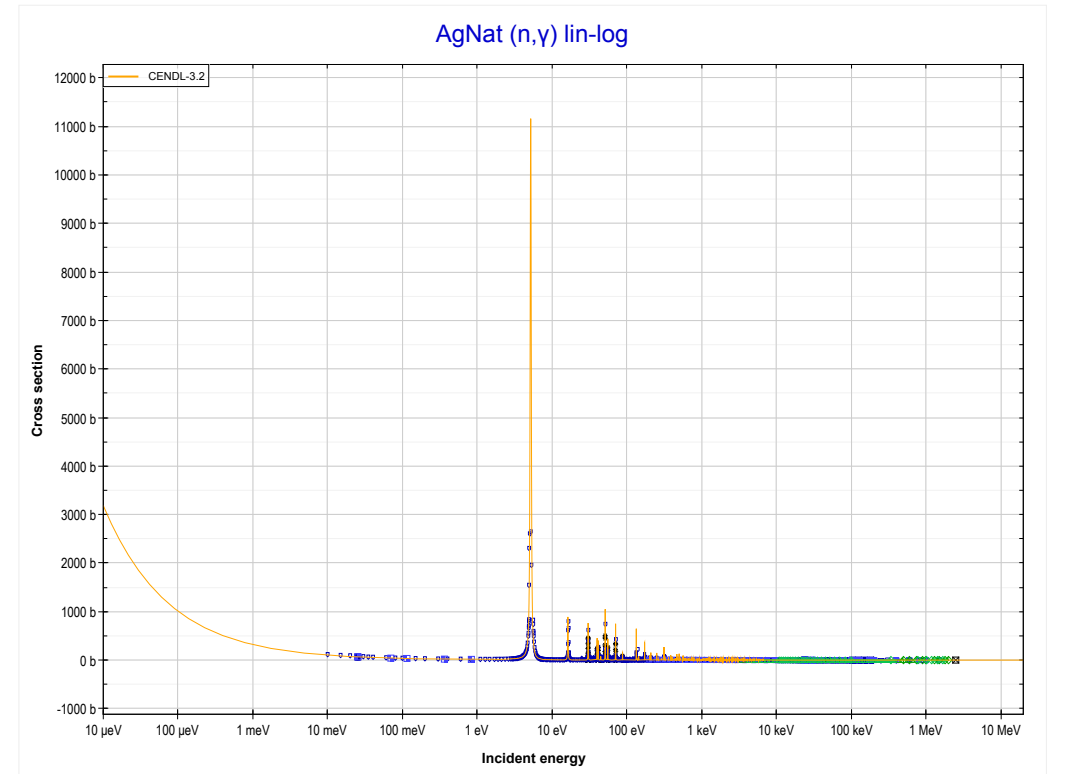
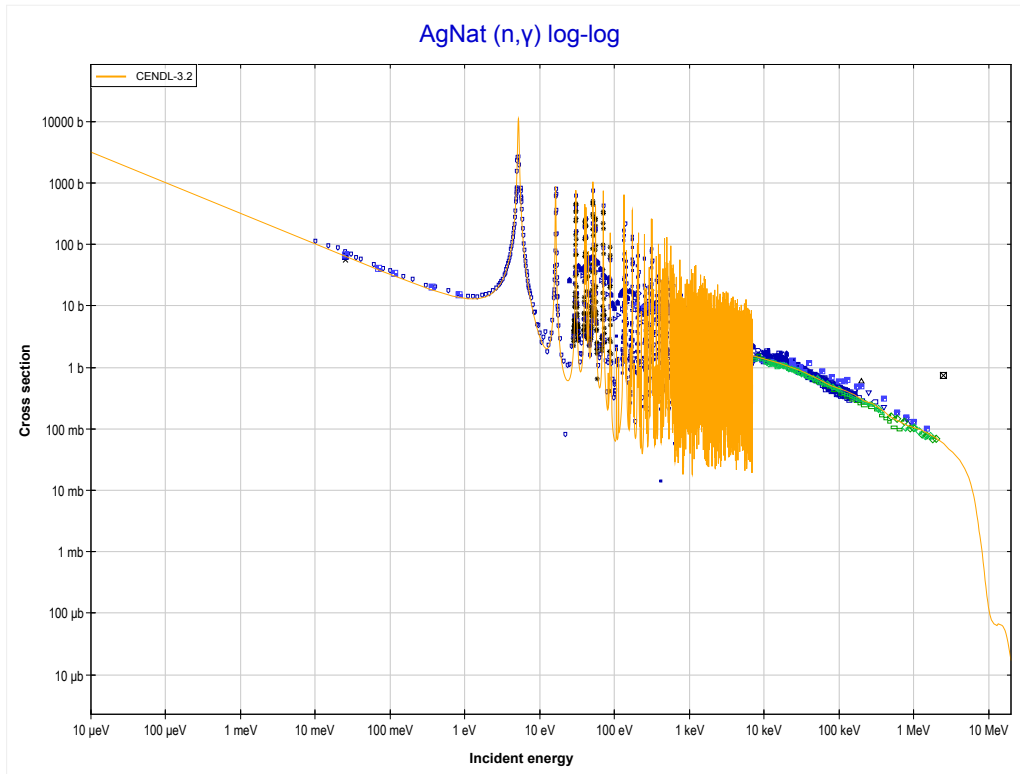
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152376 b | 1.3658 b |

| | | |
|----------------|---------------------|-------------------------|
| << 46-Pd-108 | 47-Ag-Nat | 48-Cd-106 >> |
| << MT16 (n,2n) | MT28 (n,n+p) | MT102 (n, γ) >> |



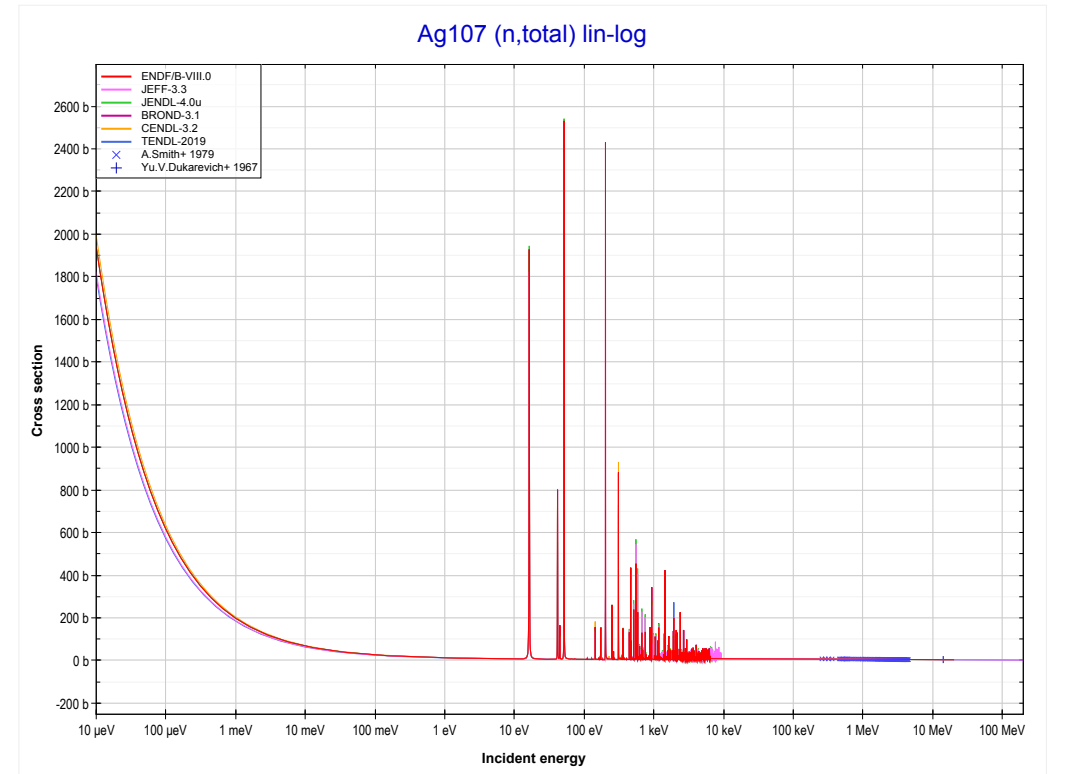
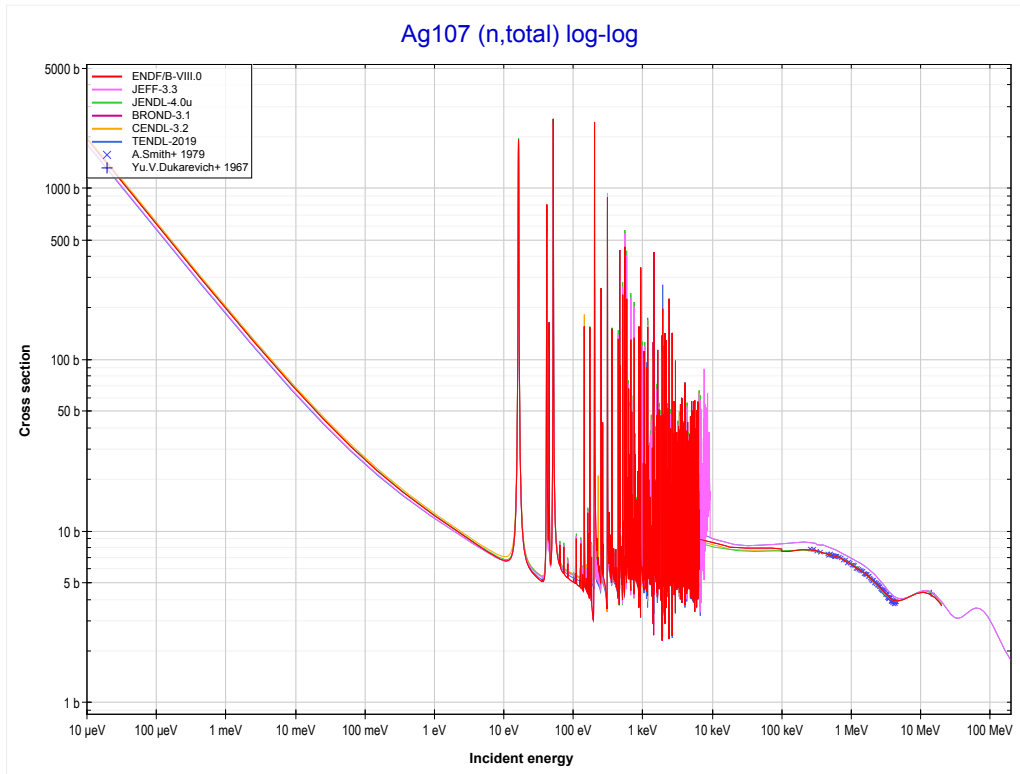
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.86457E-6 b | 0.00568752 b |

| | | |
|-----------------|--------------------------------------|----------------------------|
| << 46-Pd-110 | 47-Ag-Nat | 47-Ag-107 >> |
| << MT28 (n,n+p) | MT102 (n,γ) | 47-Ag-107 MT1 (n,total) >> |



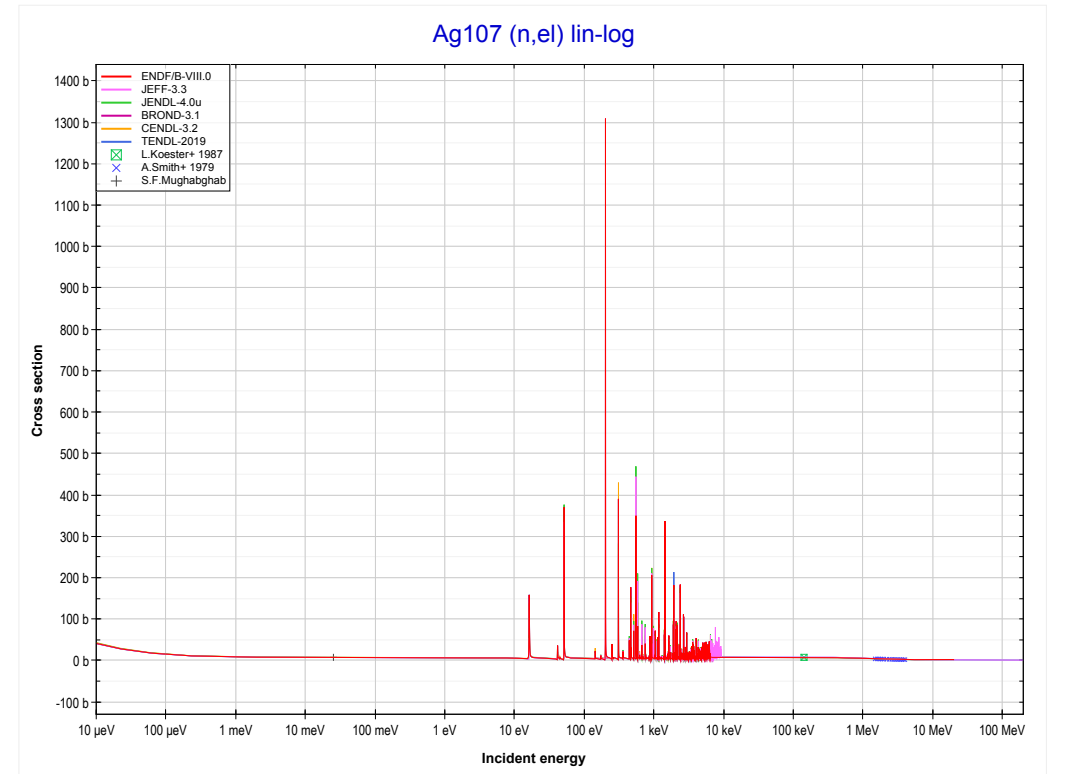
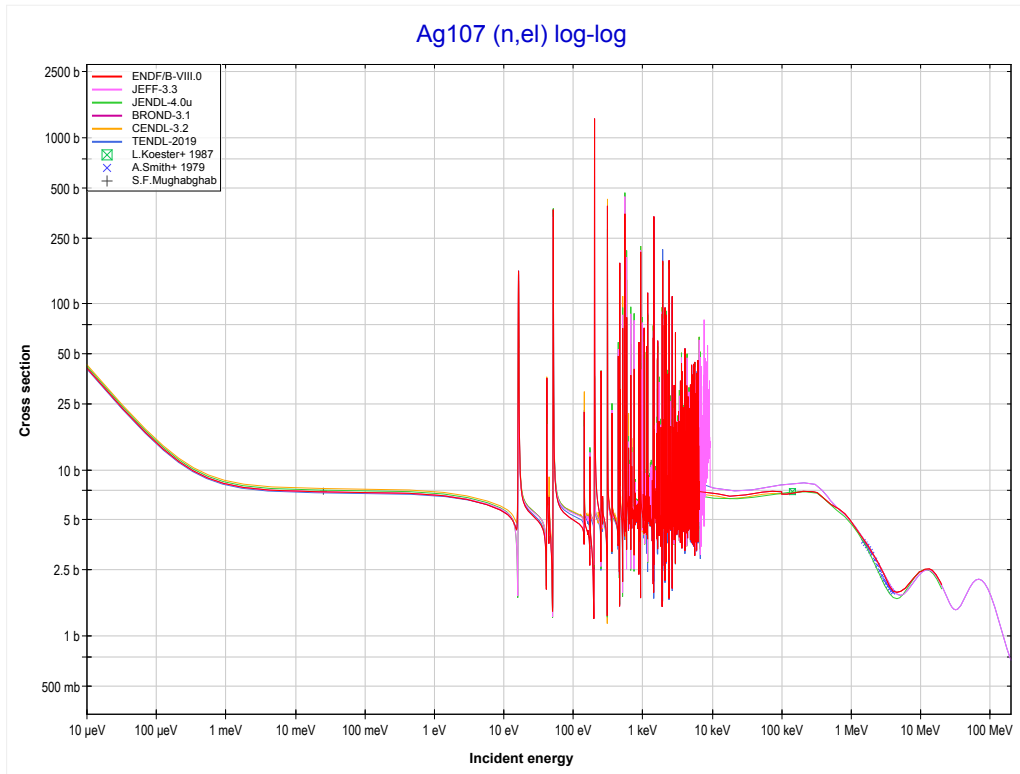
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 63.6299 b | 63.6299 b | 63.808 b | 1.0028 | 761.971 b | 0.104752 b | 6.65679E-5 b |

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|-----------------------------------|----------------------|--------------------|
| << 47-Ag-Nat | 47-Ag-107 | 47-Ag-109 >> |
| << 47-Ag-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



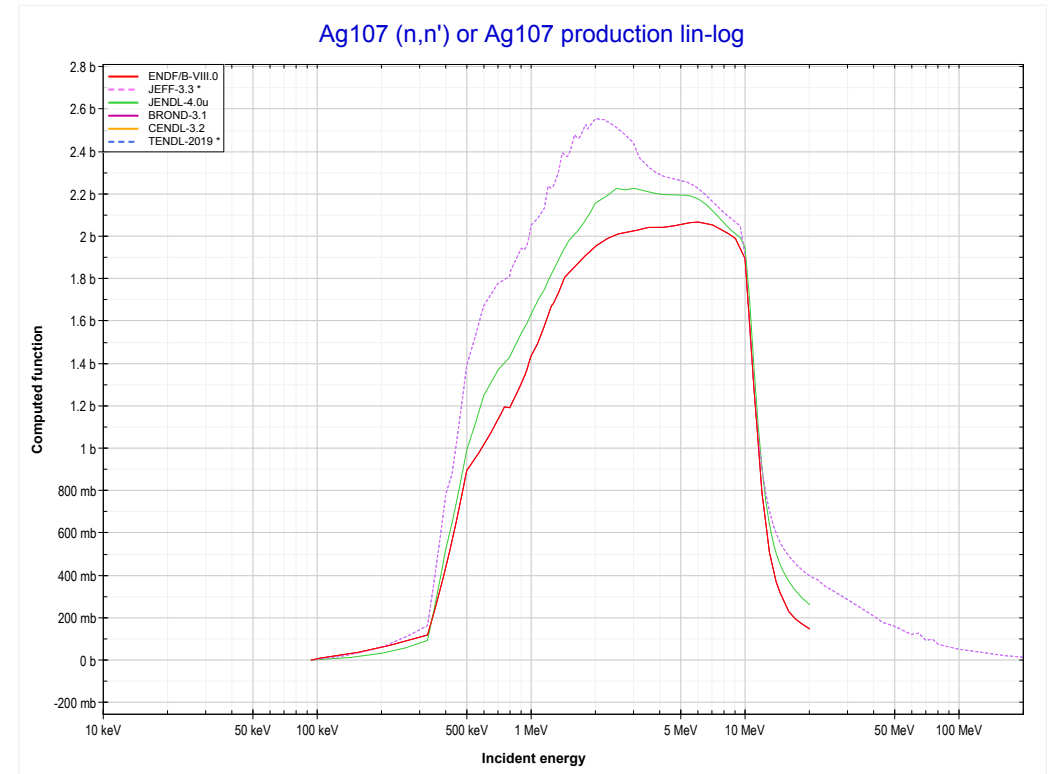
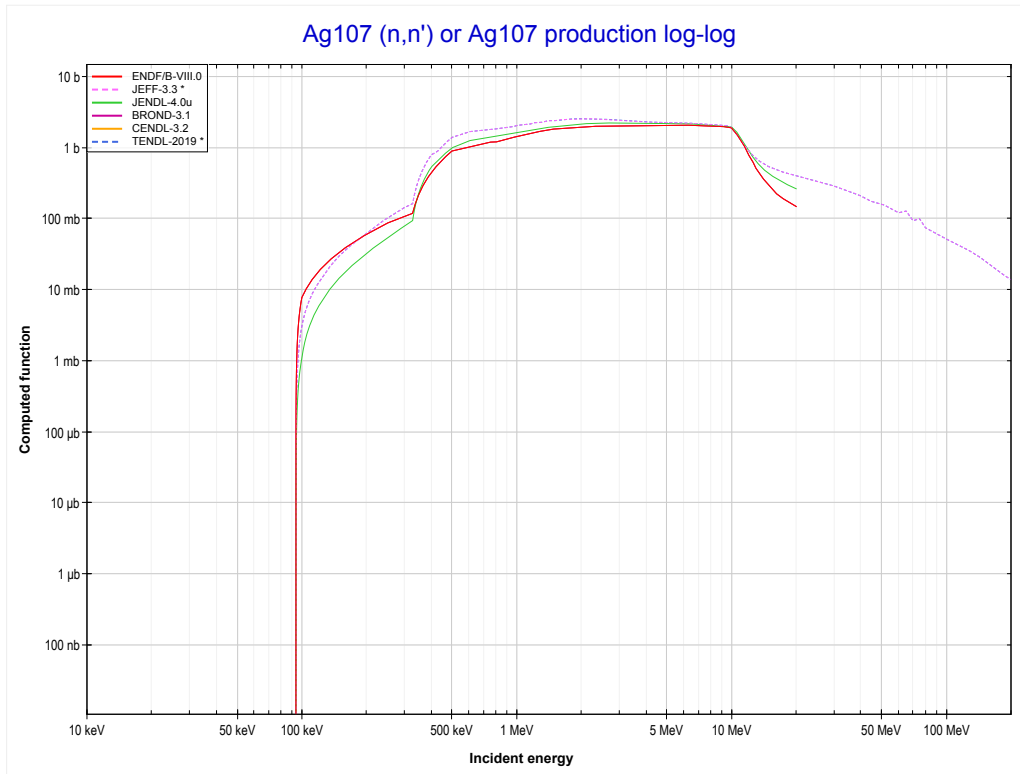
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 44.9775 b | 44.9775 b | 45.865 b | 1.01973 | 208.181 b | 5.69144 b | 4.258 b |
| JEFF-3.3 | 42.6046 b | 42.6046 b | 43.484 b | 1.02064 | 189.925 b | 6.19209 b | 4.43324 b |
| JENDL-4.0u | 45.1937 b | 45.1937 b | 46.094 b | 1.01993 | 195.274 b | 5.67 b | 4.37846 b |
| BROND-3.1 | 44.9775 b | 44.9775 b | 45.865 b | 1.01973 | 208.181 b | 5.69144 b | 4.258 b |
| CENDL-3.2 | 46.3439 b | 46.3439 b | 47.251 b | 1.01957 | 195.76 b | 5.68976 b | 4.258 b |
| TENDL-2019 | 42.0864 b | 42.0864 b | 42.953 b | 1.0206 | 196.349 b | 6.19284 b | 4.43327 b |

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|------------------|------------------------|---------------|
| << 47-Ag-Nat | 47-Ag-107 | 47-Ag-109 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



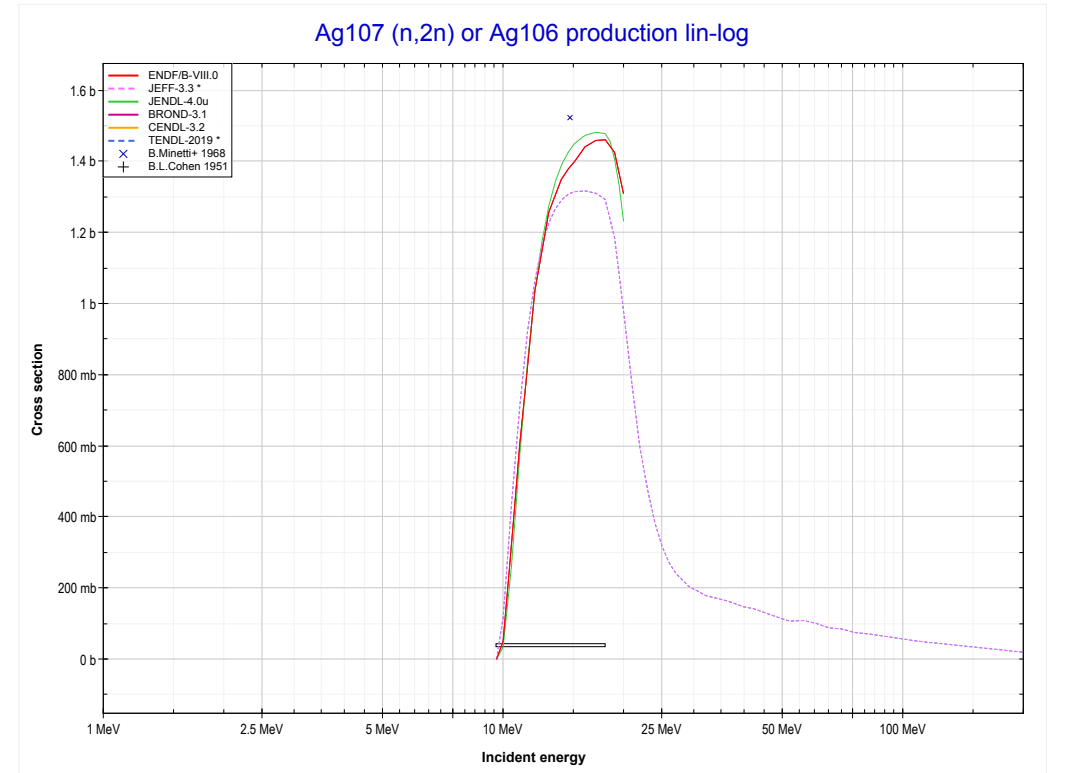
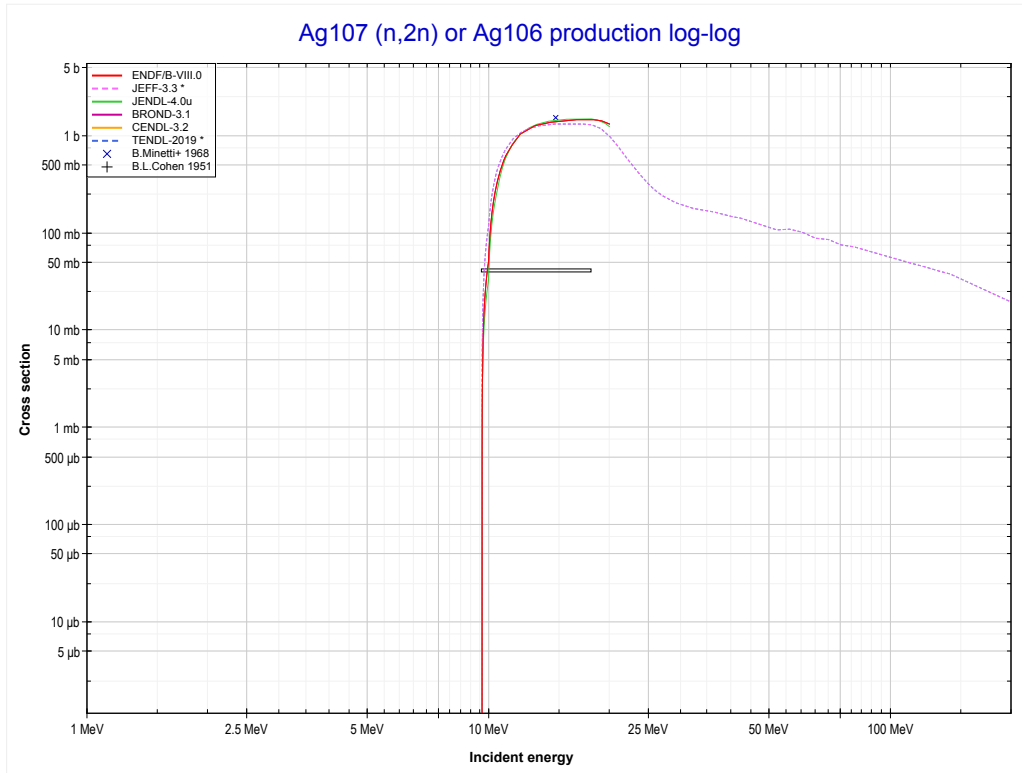
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.37268 b | 7.37268 b | 8.3108 b | 1.12724 | 98.0864 b | 4.02934 b | 2.5136 b |
| JEFF-3.3 | 7.35928 b | 7.35928 b | 8.2961 b | 1.1273 | 91.3712 b | 4.132 b | 2.47264 b |
| JENDL-4.0u | 7.55103 b | 7.55103 b | 8.5118 b | 1.12724 | 90.4255 b | 3.85218 b | 2.44678 b |
| BROND-3.1 | 7.37268 b | 7.37268 b | 8.3108 b | 1.12724 | 98.0864 b | 4.02934 b | 2.5136 b |
| CENDL-3.2 | 7.72291 b | 7.72291 b | 8.706 b | 1.12729 | 92.58 b | 4.02632 b | 2.5136 b |
| TENDL-2019 | 7.2708 b | 7.2708 b | 8.1971 b | 1.1274 | 92.0808 b | 4.13234 b | 2.47264 b |

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|--------------------|---|----------------|
| << 45-Rh-103 | 47-Ag-107 | 47-Ag-109 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ag107 production) | MT16 (n,2n) >> |



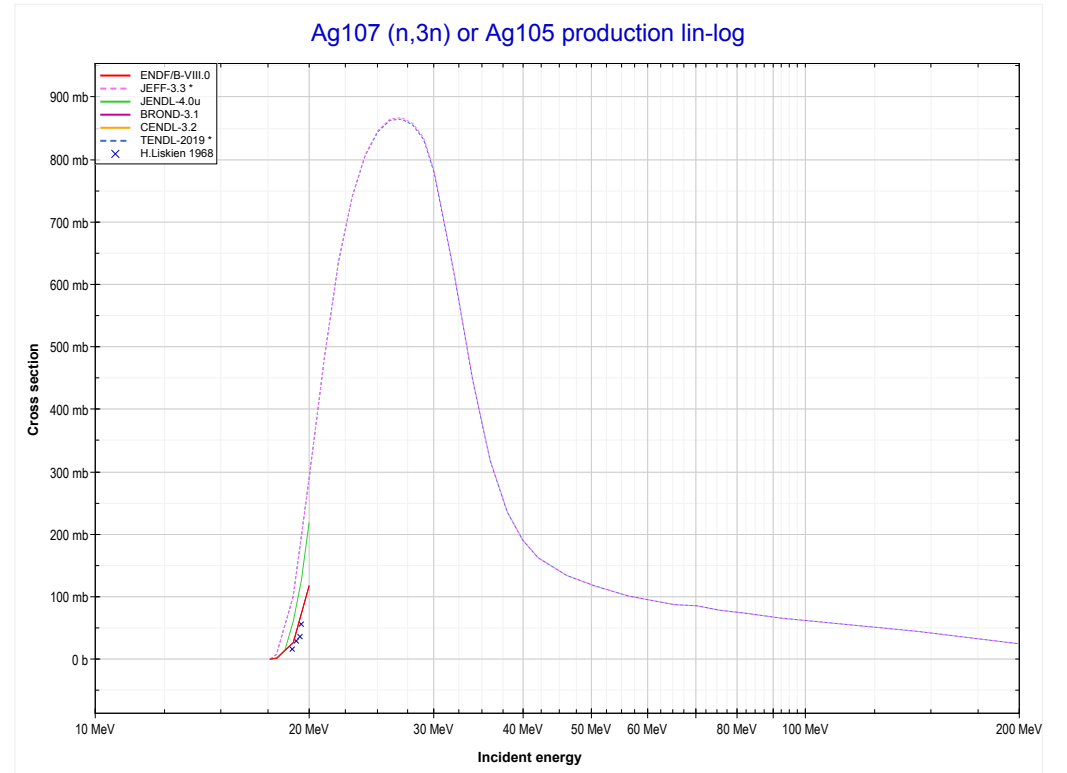
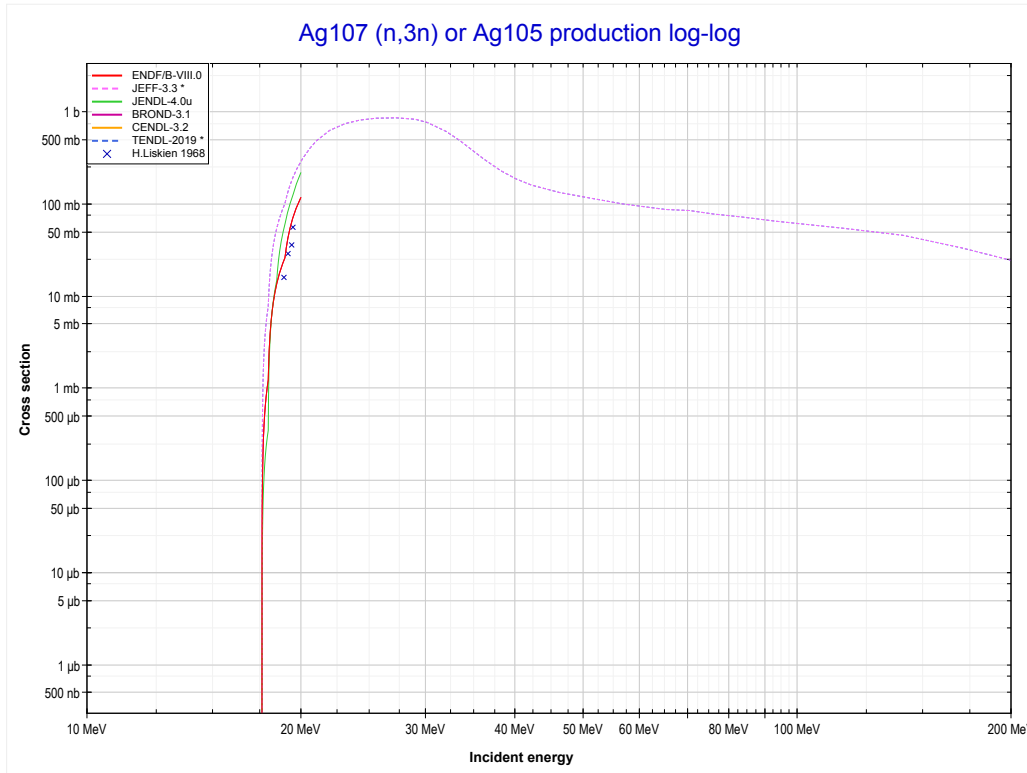
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.40814E-4 b | 1.55054 b | 0.367789 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 9.22301E-5 b | 1.99471 b | 0.597454 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 3.2698E-5 b | 1.70849 b | 0.502404 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.40814E-4 b | 1.55054 b | 0.367789 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 2.40814E-4 b | 1.55054 b | 0.367789 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 9.30964E-5 b | 1.9951 b | 0.597302 b |

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|---------------|--|----------------|
| << 47-Ag-Nat | 47-Ag-107 | 47-Ag-109 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ag106 production) | MT17 (n,3n) >> |



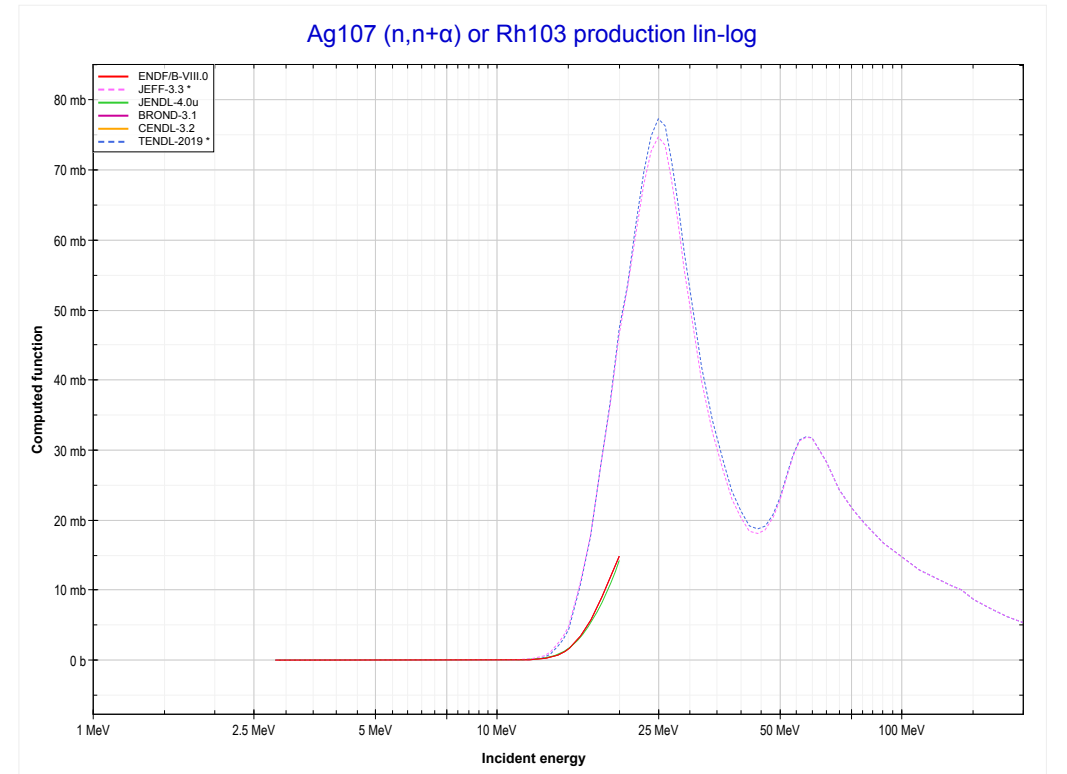
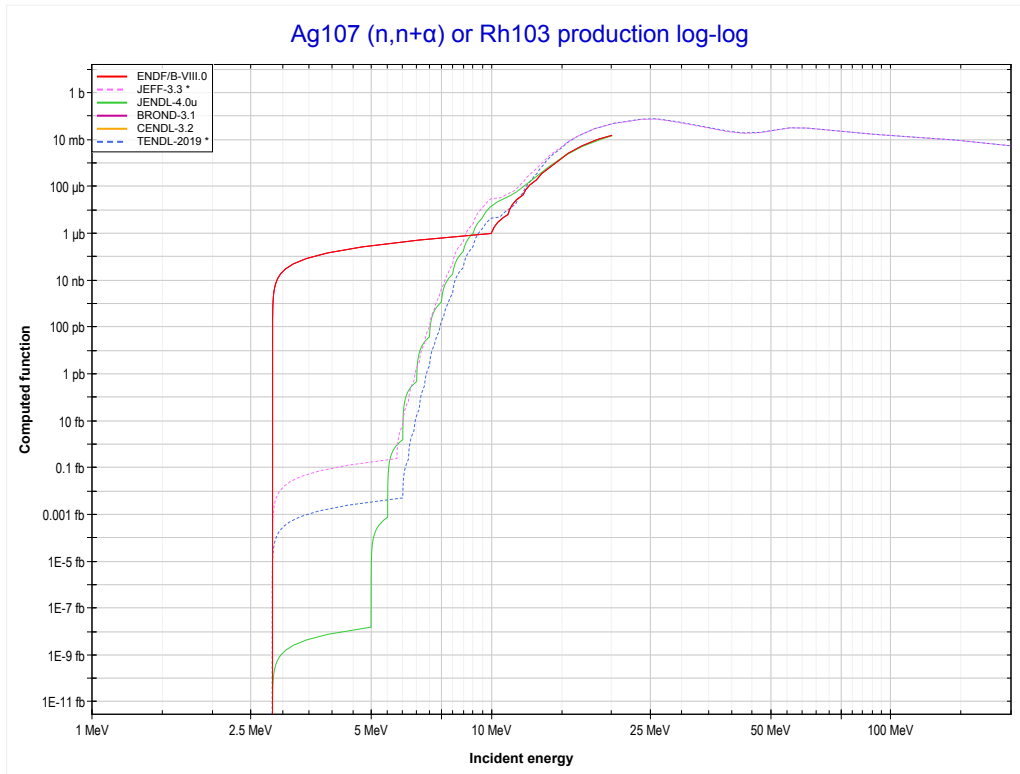
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130423 b | 1.35085 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145045 b | 1.29148 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0012675 b | 1.39031 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130423 b | 1.35085 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130423 b | 1.35085 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145134 b | 1.29142 b |

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|----------------|--|-----------------|
| << 45-Rh-103 | 47-Ag-107 | 47-Ag-109 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ag105 production) | MT22 (n,n+α) >> |



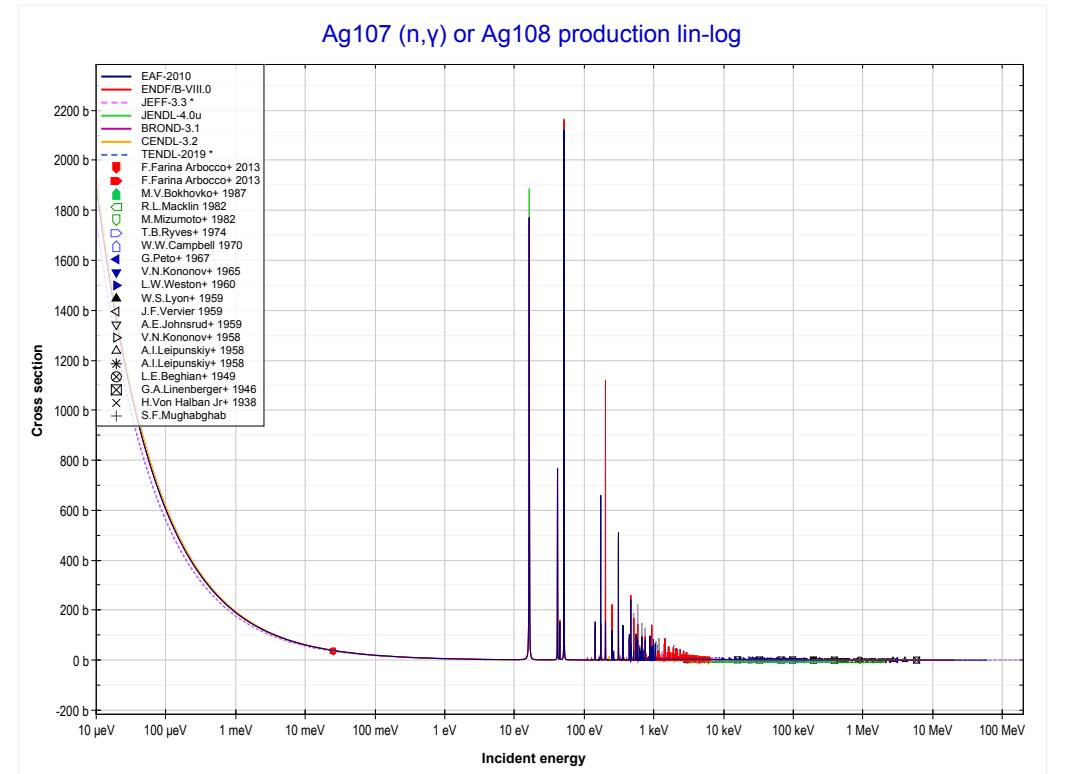
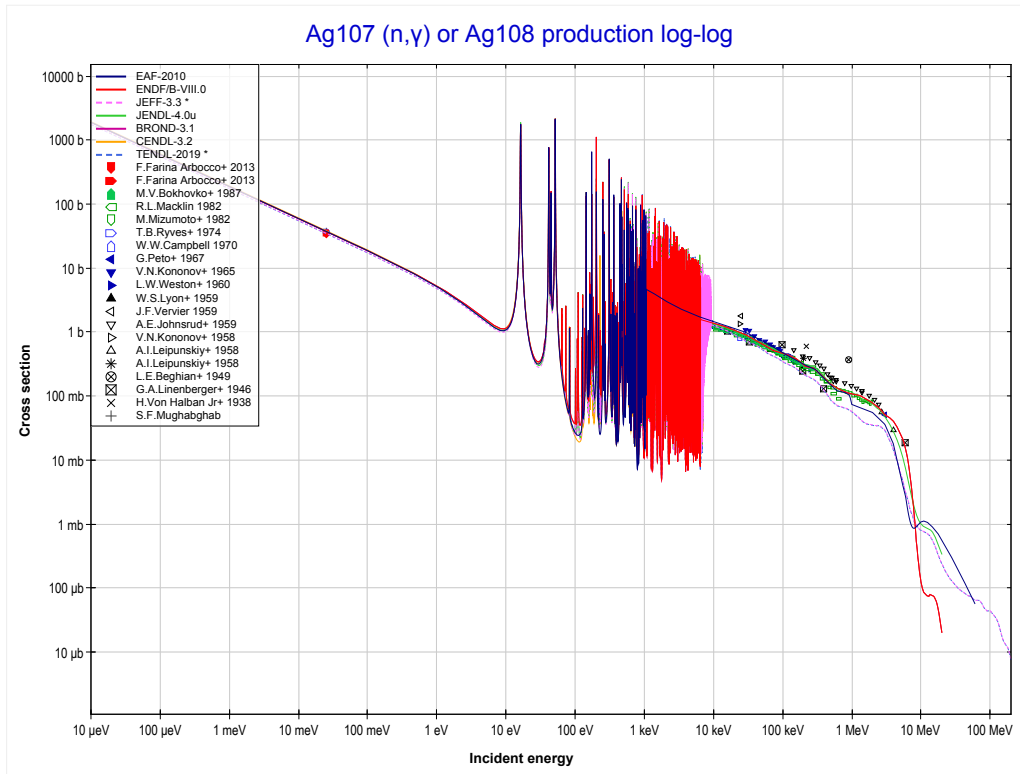
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58441E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98659E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.79174E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58441E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58441E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98332E-7 b | 0 b |

| | | |
|----------------|---|----------------|
| << 45-Rh-103 | 47-Ag-107 | 47-Ag-109 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Rh103 production) | MT102 (n,γ) >> |



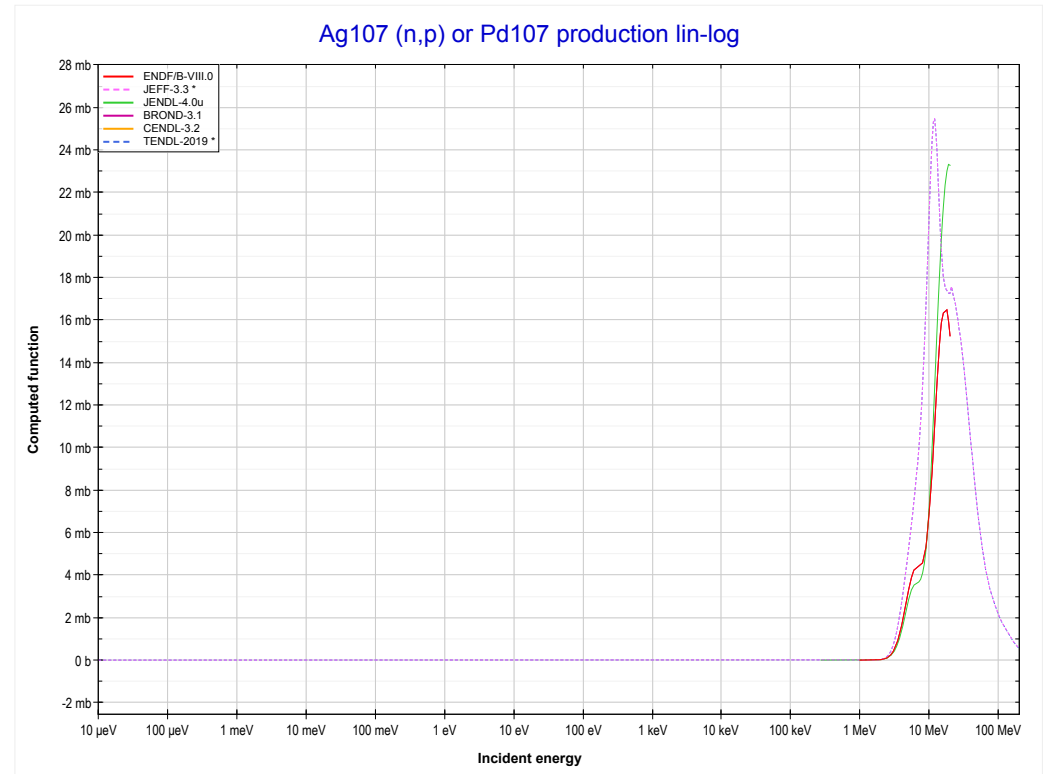
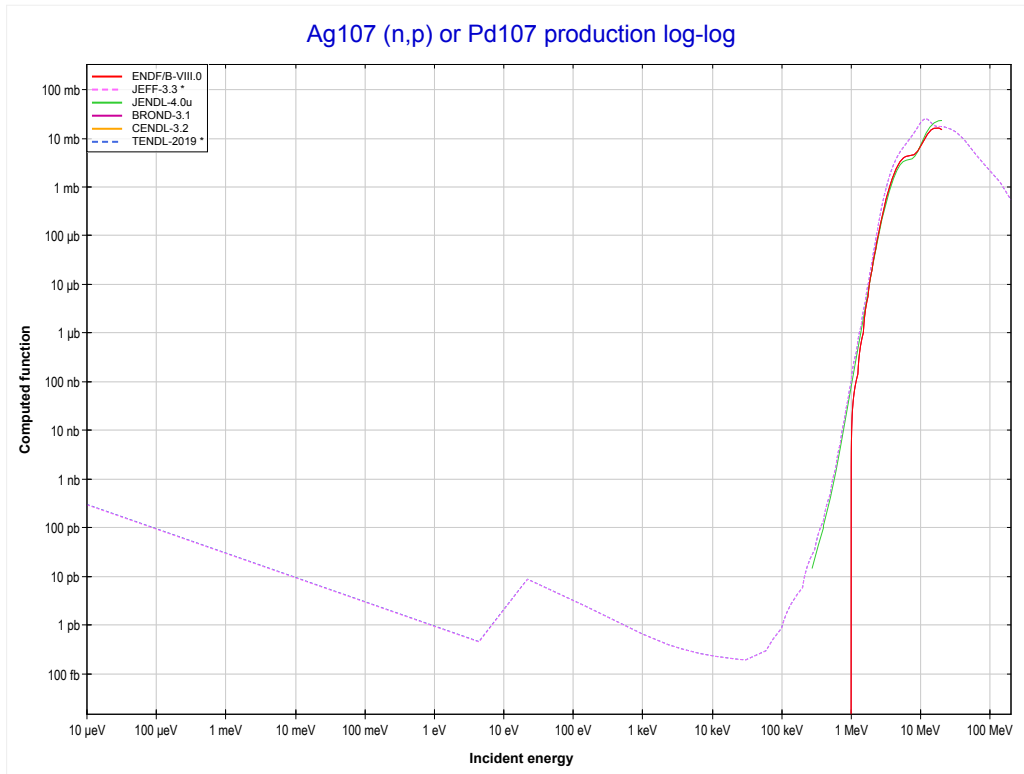
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38027E-7 b | 6.23793E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.28094E-6 b | 0.00212013 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.49232E-7 b | 7.2301E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38027E-7 b | 6.23793E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.38027E-7 b | 6.23793E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0855E-6 b | 0.00173958 b |

| | | |
|-----------------|--|----------------|
| << 47-Ag-Nat | 47-Ag-107 | 47-Ag-109 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Ag108 production) | MT103 (n,p) >> |



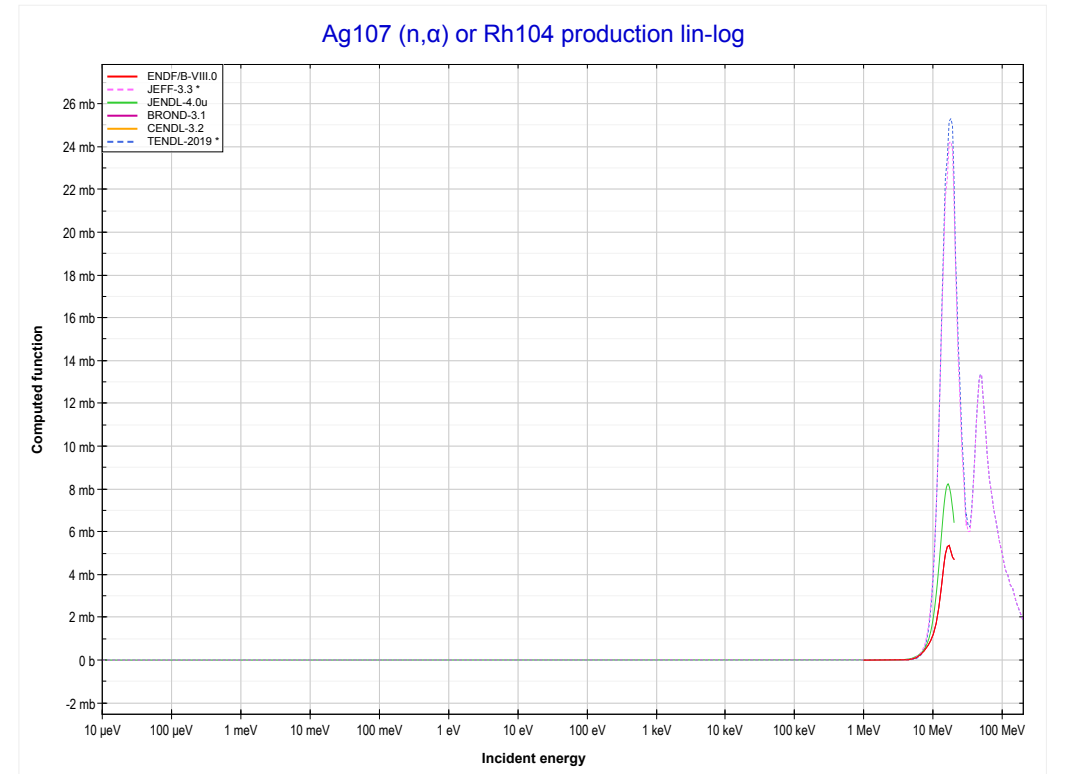
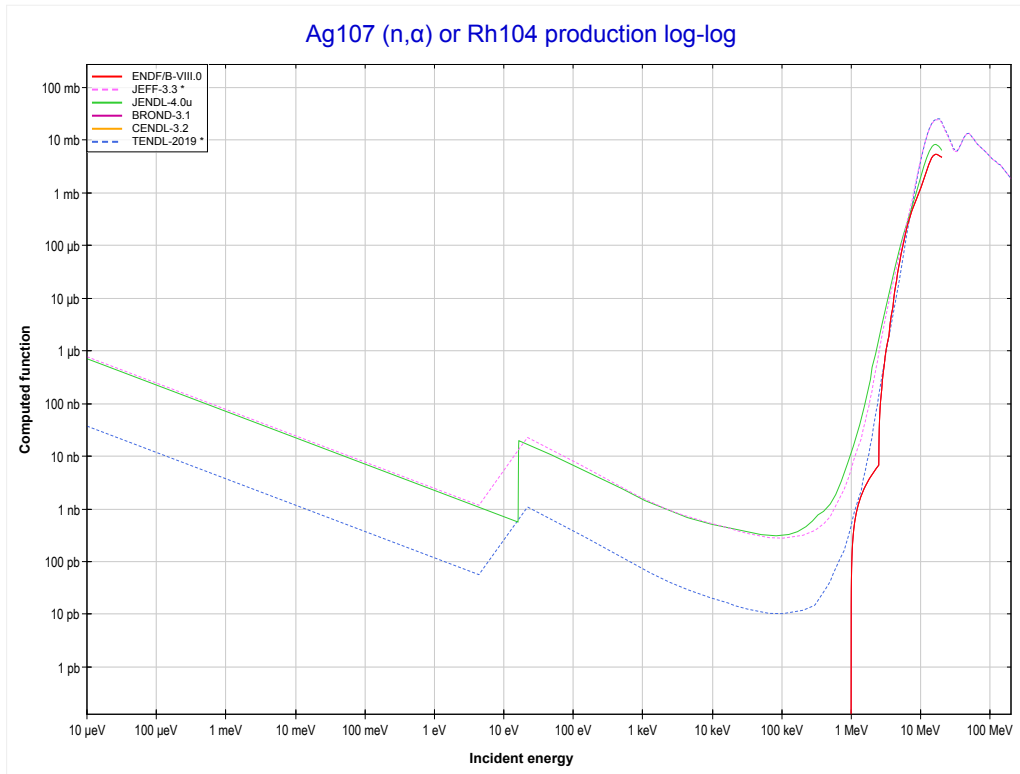
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 37.6423 b | 37.6139 b | 37.531 b | 0.99778 | 106.896 b | 0.0917158 b | 9.4863E-4 b |
| ENDF/B-VIII.0 | 37.6048 b | 37.6048 b | 37.554 b | 0.99866 | 110.094 b | 0.109731 b | 7.843E-5 b |
| JEFF-3.3 | 35.2454 b | 35.2454 b | 35.188 b | 0.99837 | 98.554 b | 0.0629089 b | 6.0459E-4 b |
| JENDL-4.0u | 37.6427 b | 37.6427 b | 37.583 b | 0.9984 | 104.848 b | 0.107591 b | 7.93886E-4 b |
| BROND-3.1 | 37.6048 b | 37.6048 b | 37.554 b | 0.99866 | 110.094 b | 0.109731 b | 7.843E-5 b |
| CENDL-3.2 | 38.6209 b | 38.6209 b | 38.545 b | 0.99802 | 103.17 b | 0.109774 b | 7.843E-5 b |
| TENDL-2019 | 34.8156 b | 34.8156 b | 34.756 b | 0.99829 | 104.254 b | 0.062125 b | 6.02573E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 46-Pd-108 | 47-Ag-107 | 47-Ag-109 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pd107 production) | MT107 (n, α) >> |



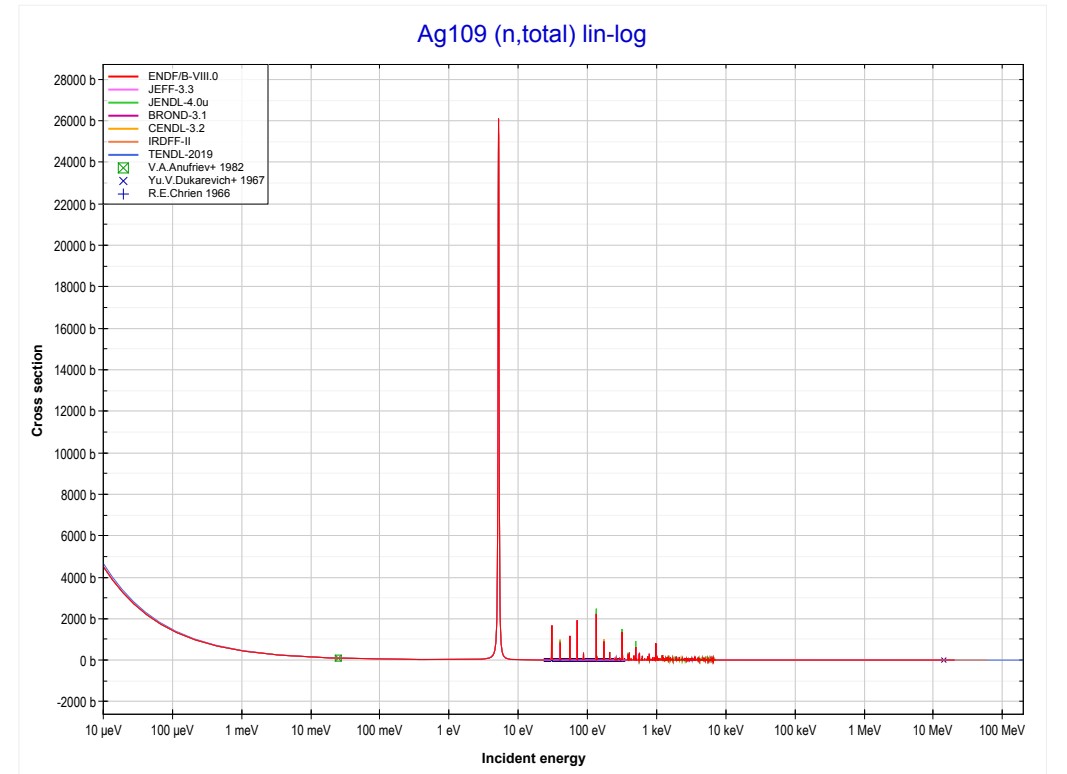
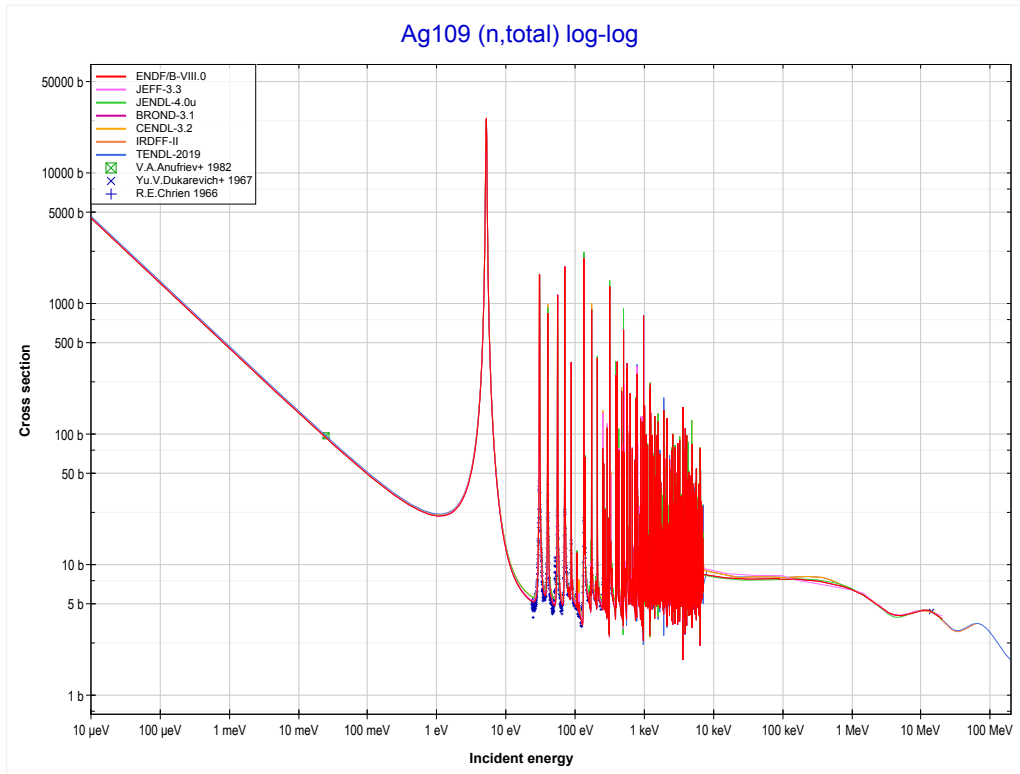
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05306E-4 b | 0.014741 b |
| JEFF-3.3 | 5.85365E-12 b | 5.85365E-12 b | 5.8547E-12 b | 1.00018 | 1.98019E-11 b | 9.38083E-4 b | 0.0213536 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.38338E-4 b | 0.0179303 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05306E-4 b | 0.014741 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05306E-4 b | 0.014741 b |
| TENDL-2019 | 5.9975E-12 b | 5.9975E-12 b | 5.9946E-12 b | 0.99952 | 2.00472E-11 b | 9.38241E-4 b | 0.0213367 b |

| | | |
|----------------|--|----------------------------|
| << 46-Pd-110 | 47-Ag-107 | 47-Ag-109 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Rh104 production) | 47-Ag-109 MT1 (n,total) >> |



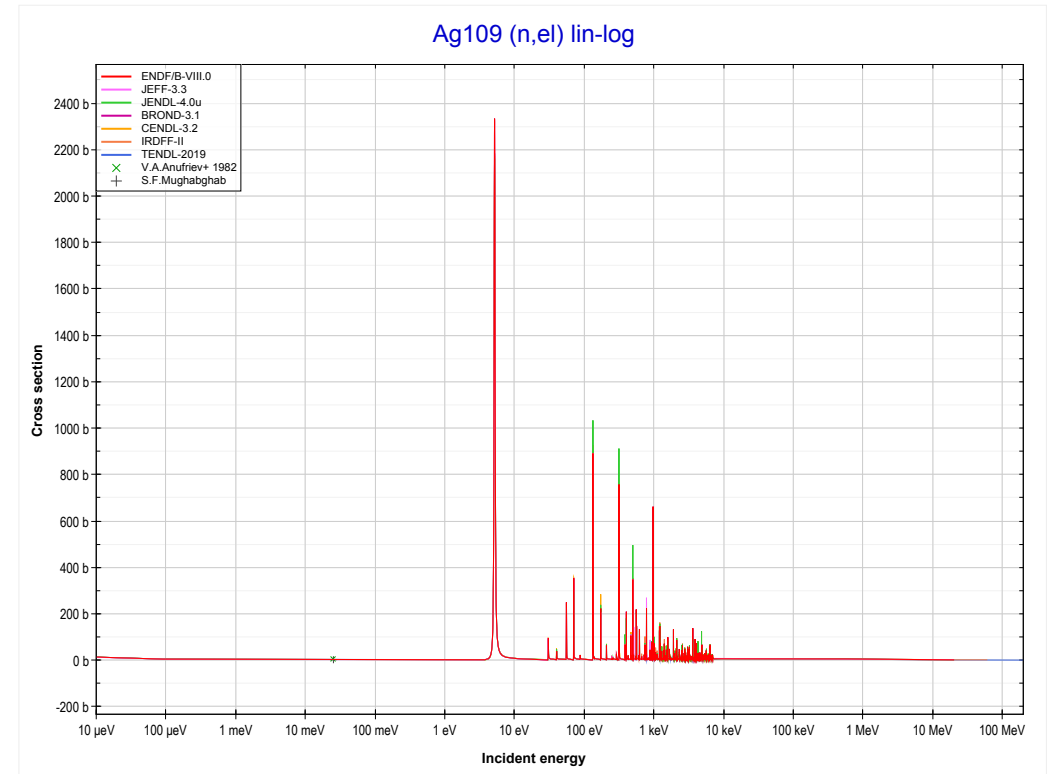
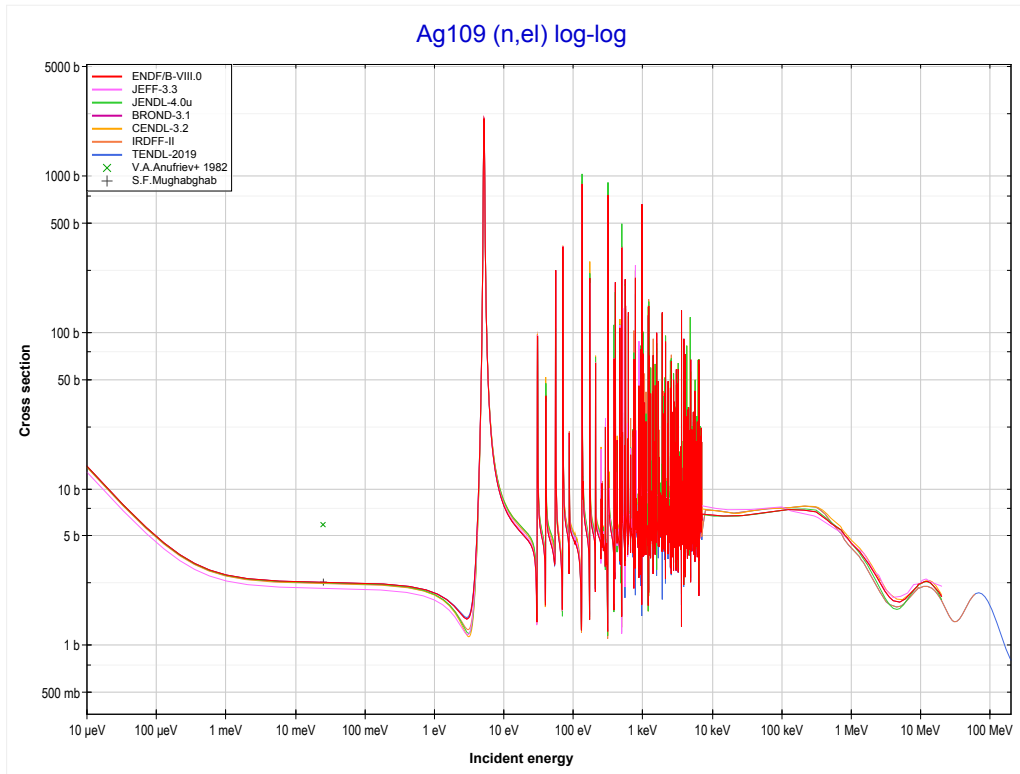
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99787E-5 b | 0.0042151 b |
| JEFF-3.3 | 1.53174E-8 b | 1.53174E-8 b | 1.532E-8 b | 1.00018 | 4.9976E-8 b | 4.56342E-5 b | 0.0183158 b |
| JENDL-4.0u | 1.40408E-8 b | 1.40408E-8 b | 1.4047E-8 b | 1.00043 | 3.86051E-8 b | 3.02081E-5 b | 0.00688184 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99787E-5 b | 0.0042151 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99787E-5 b | 0.0042151 b |
| TENDL-2019 | 7.4158E-10 b | 7.4158E-10 b | 7.4124E-10 b | 0.99954 | 2.36646E-9 b | 3.7362E-5 b | 0.0189066 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 47-Ag-107 | 47-Ag-109 | 47-Ag-110m >> |
| << 47-Ag-107 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



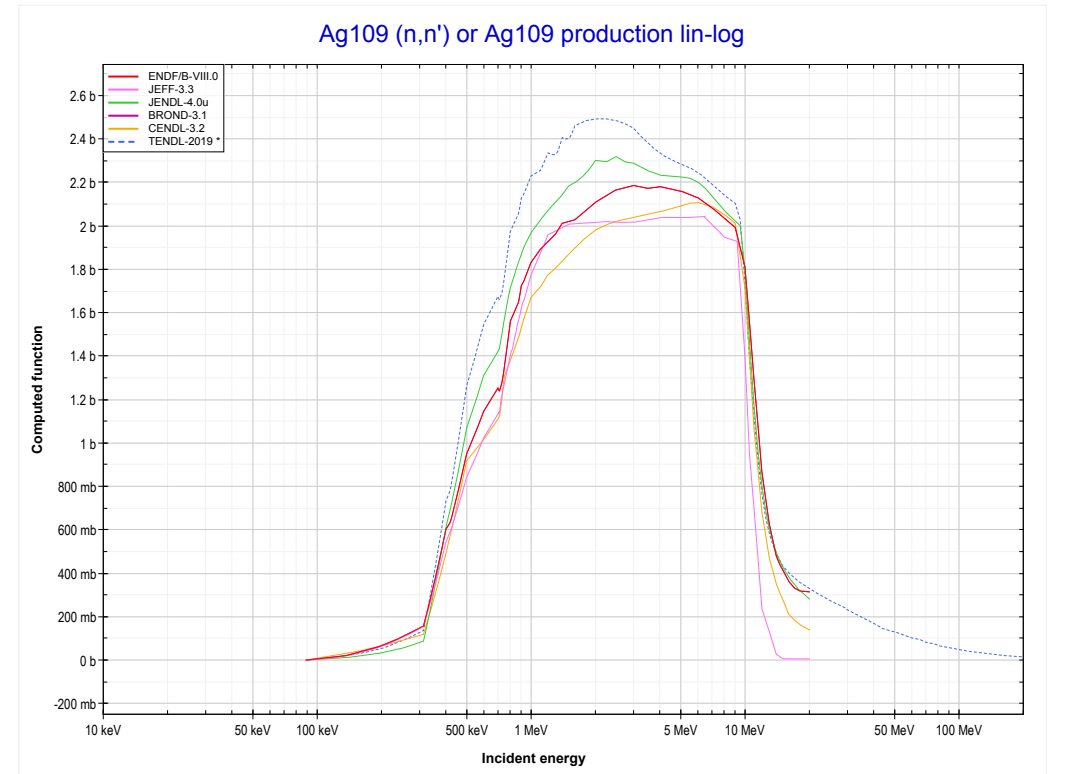
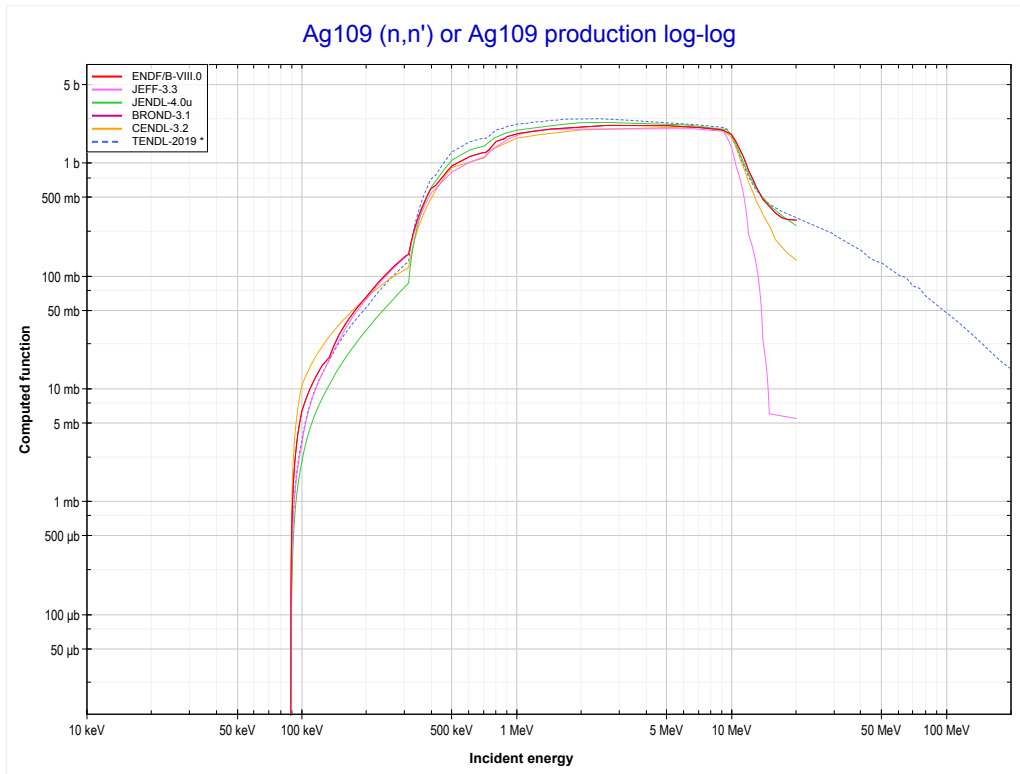
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 92.789 b | 92.789 b | 93.564 b | 1.00835 | 1685.82 b | 5.69533 b | 4.39596 b |
| JEFF-3.3 | 93.0551 b | 93.0551 b | 93.827 b | 1.0083 | 1690.29 b | 5.67768 b | 4.32351 b |
| JENDL-4.0u | 92.7692 b | 92.7692 b | 93.562 b | 1.00855 | 1681.64 b | 5.72538 b | 4.42725 b |
| BROND-3.1 | 92.789 b | 92.789 b | 93.564 b | 1.00835 | 1685.82 b | 5.69533 b | 4.39596 b |
| CENDL-3.2 | 93.0427 b | 93.0427 b | 93.805 b | 1.00819 | 1688.64 b | 5.80846 b | 4.335 b |
| IRDFF-II | 93.0589 b | 93.0589 b | 93.842 b | 1.00842 | 1688.72 b | 5.80846 b | 4.33231 b |
| TENDL-2019 | 95.9248 b | 95.9248 b | 96.689 b | 1.00796 | 1687.47 b | 5.80173 b | 4.33158 b |

| | | |
|------------------|------------------------|---------------|
| << 47-Ag-107 | 47-Ag-109 | 48-Cd-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



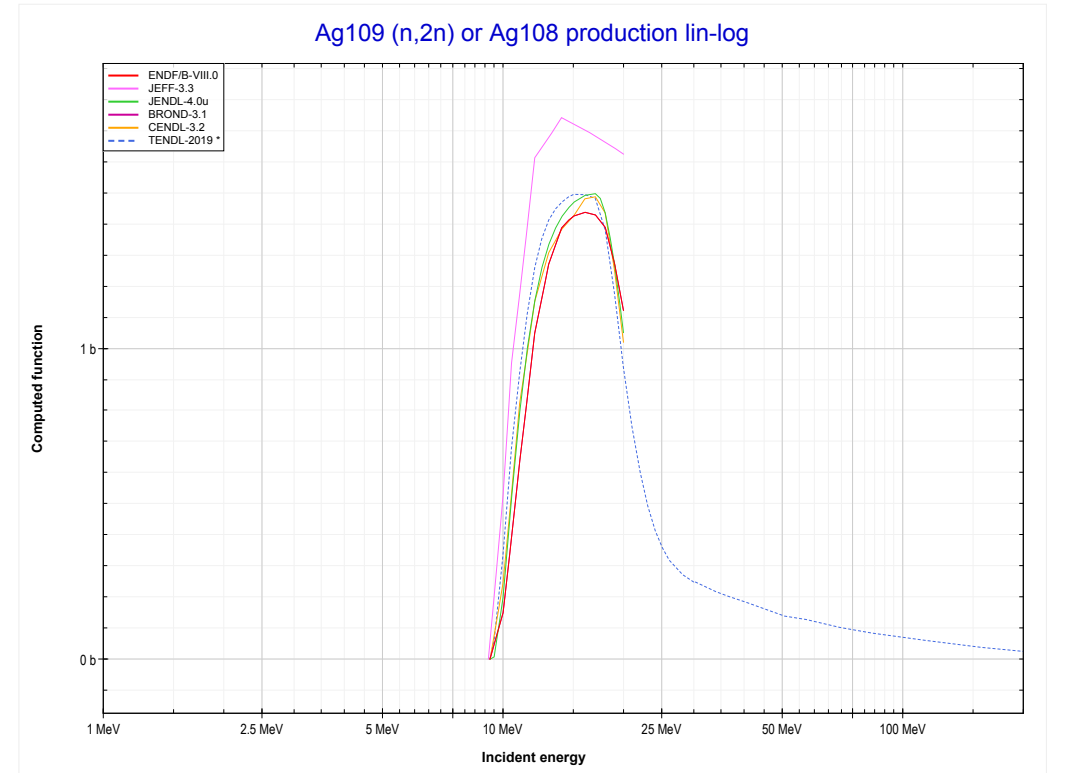
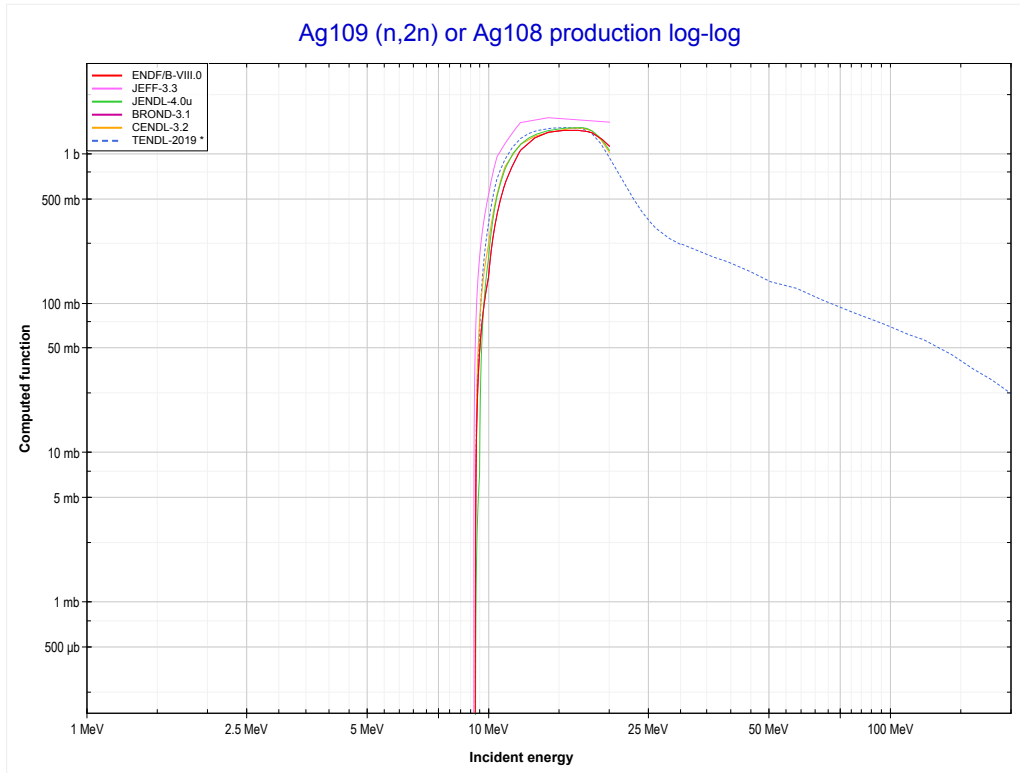
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.52308 b | 2.52308 b | 2.8377 b | 1.12468 | 218.363 b | 3.88527 b | 2.50192 b |
| JEFF-3.3 | 2.309 b | 2.309 b | 2.5961 b | 1.12436 | 216.382 b | 3.9036 b | 2.53099 b |
| JENDL-4.0u | 2.50666 b | 2.50666 b | 2.8185 b | 1.12442 | 216.348 b | 3.80037 b | 2.4855 b |
| BROND-3.1 | 2.52308 b | 2.52308 b | 2.8377 b | 1.12468 | 218.363 b | 3.88527 b | 2.50192 b |
| CENDL-3.2 | 2.49393 b | 2.49393 b | 2.8042 b | 1.12439 | 217.596 b | 4.10163 b | 2.57796 b |
| IRDFF-II | 2.47691 b | 2.47691 b | 2.7861 b | 1.12483 | 217.222 b | 3.7075 b | 2.33524 b |
| TENDL-2019 | 2.51653 b | 2.51653 b | 2.8307 b | 1.12485 | 213.235 b | 3.70792 b | 2.33524 b |

| | | |
|--------------------|---|----------------|
| << 47-Ag-107 | 47-Ag-109 | 48-Cd-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ag109 production) | MT16 (n,2n) >> |



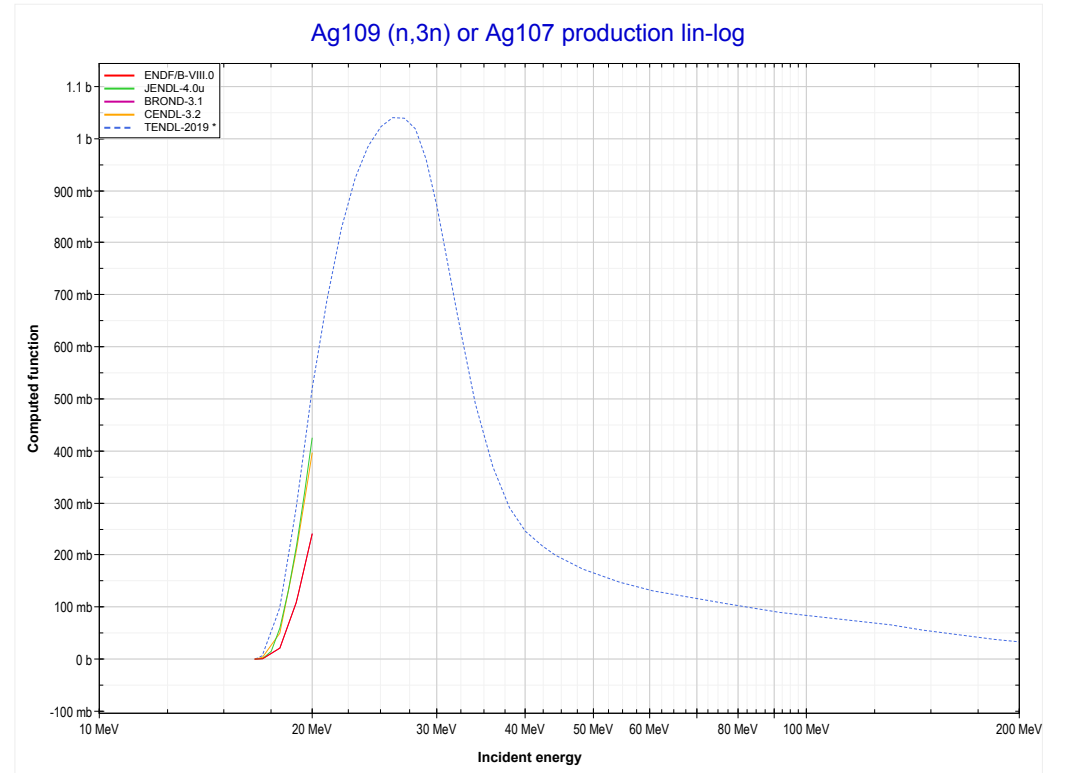
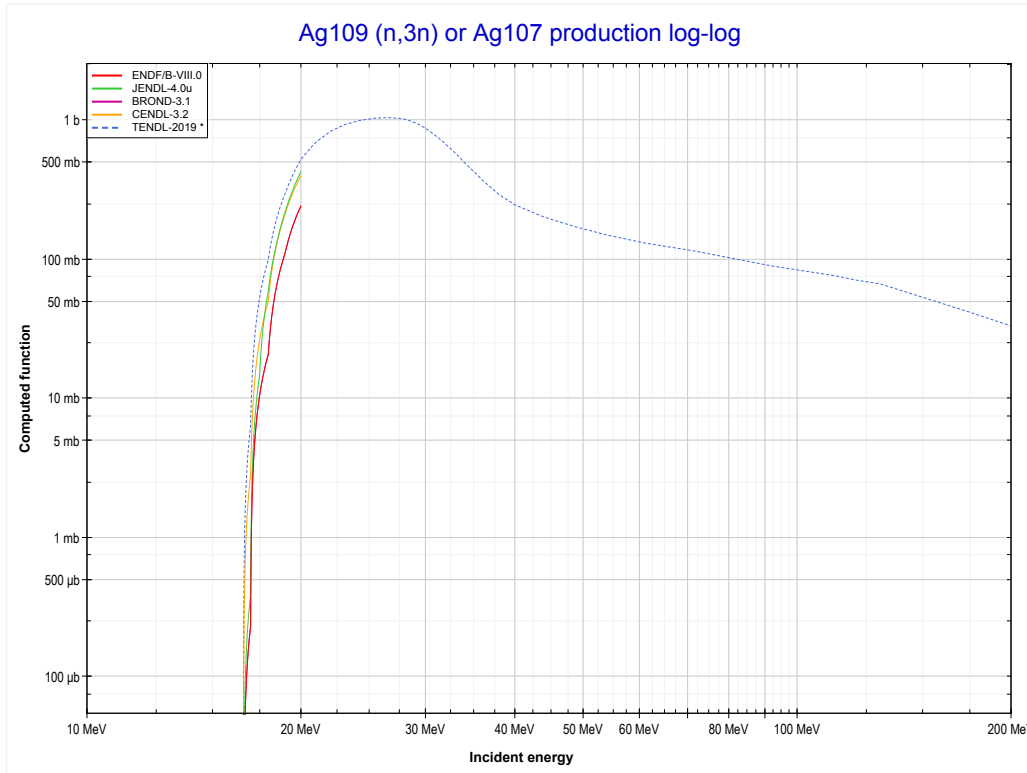
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.66717E-4 b | 1.72123 b | 0.479679 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.86893E-4 b | 1.63783 b | 0.027 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.27456E-4 b | 1.83669 b | 0.496006 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.66717E-4 b | 1.72123 b | 0.479679 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 6.23168E-4 b | 1.60552 b | 0.35147 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 2.01792E-4 b | 2.00909 b | 0.493375 b |

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|---------------|--|----------------|
| << 47-Ag-107 | 47-Ag-109 | 48-Cd-Nat >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ag108 production) | MT17 (n,3n) >> |



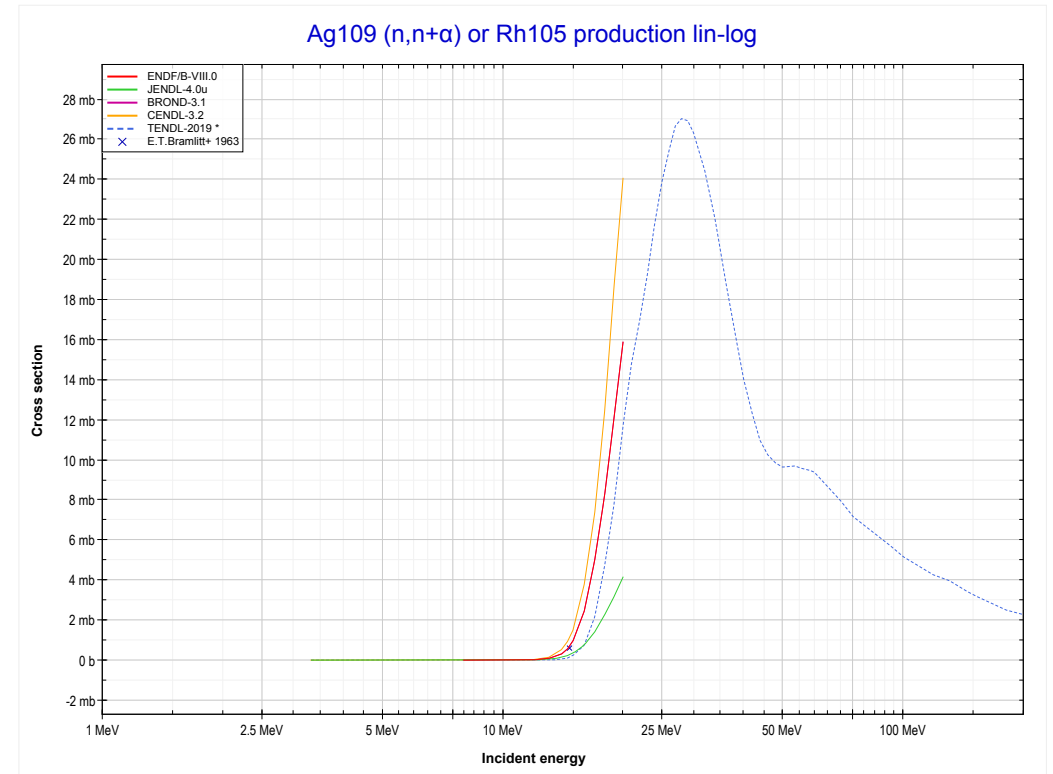
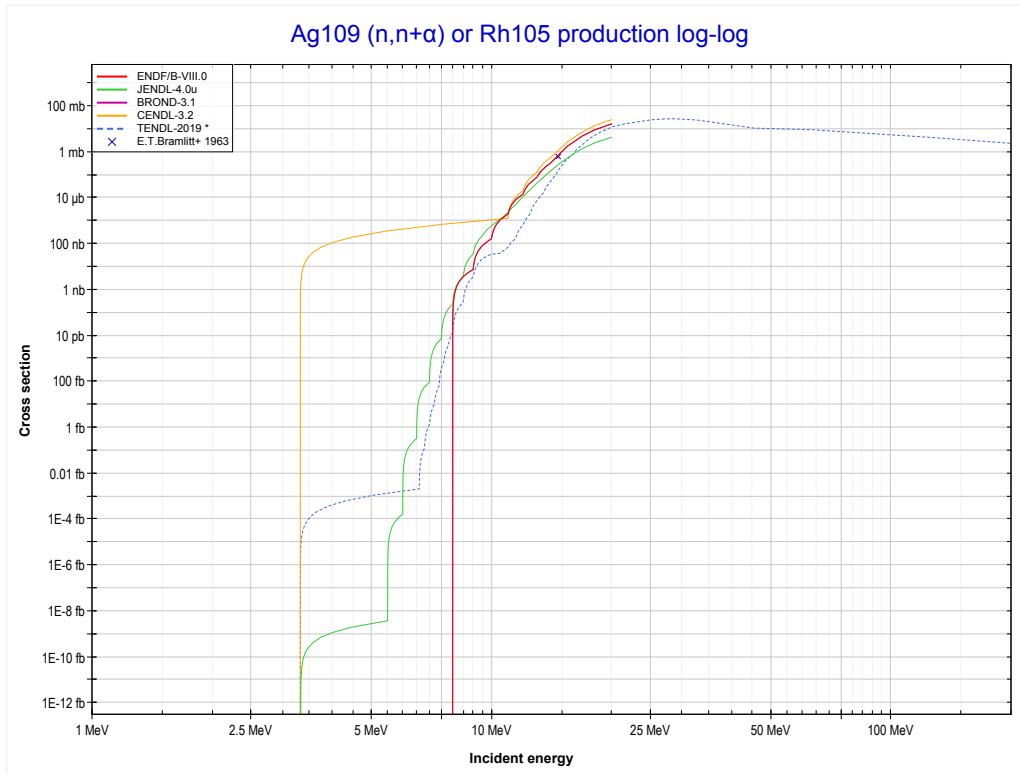
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00146928 b | 1.3868 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271752 b | 1.742 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00167941 b | 1.42223 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00146928 b | 1.3868 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00176006 b | 1.3819 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00201111 b | 1.46941 b |

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|----------------|--|-----------------|
| << 47-Ag-107 | 47-Ag-109 | 49-In-113 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ag107 production) | MT22 (n,n+α) >> |



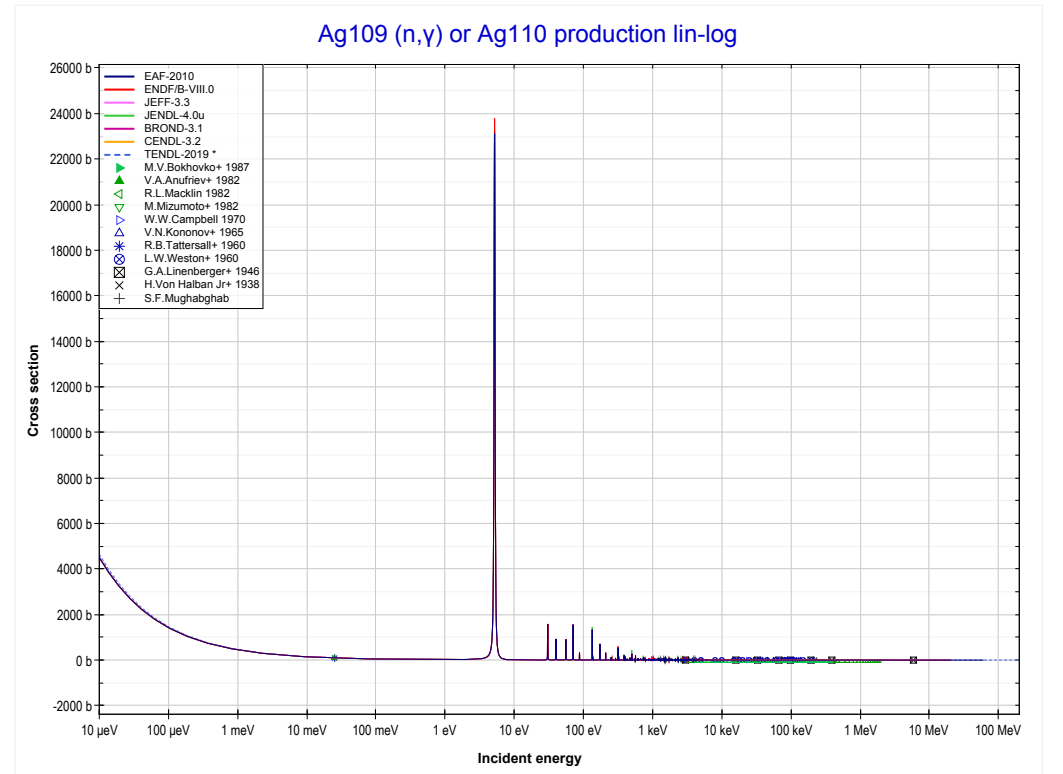
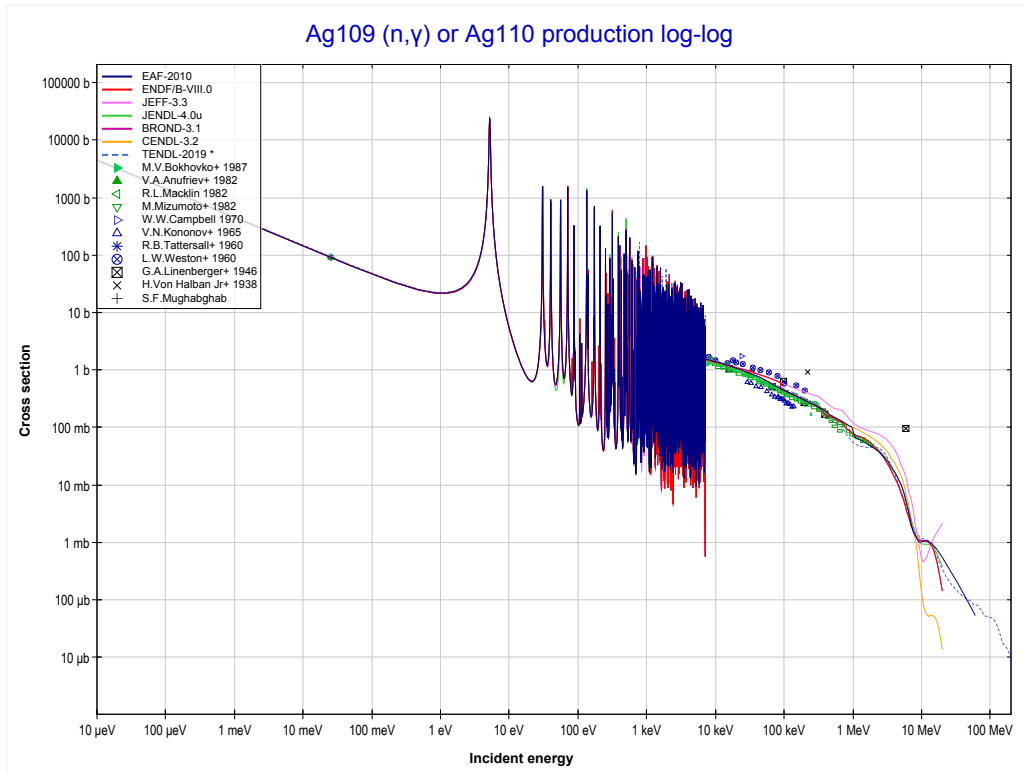
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.67343E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.10329E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.67343E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10065E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.686E-6 b | 0 b |

| | | |
|----------------|---|----------------|
| << 47-Ag-107 | 47-Ag-109 | 49-In-115 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Rh105 production) | MT102 (n,γ) >> |



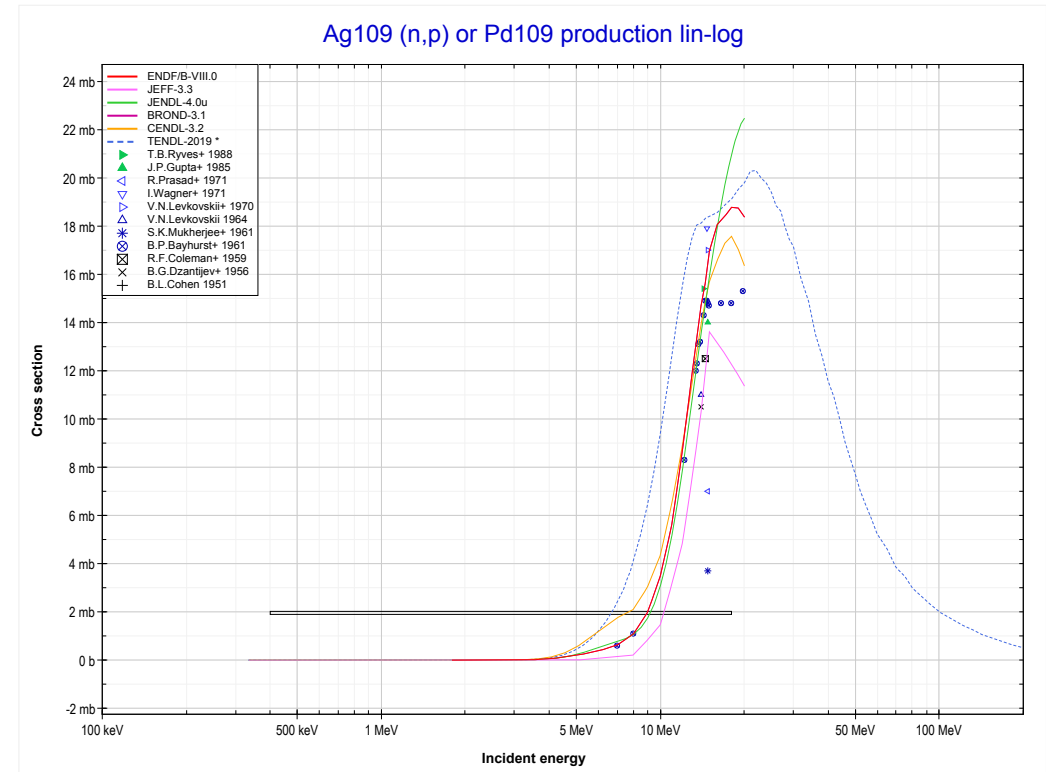
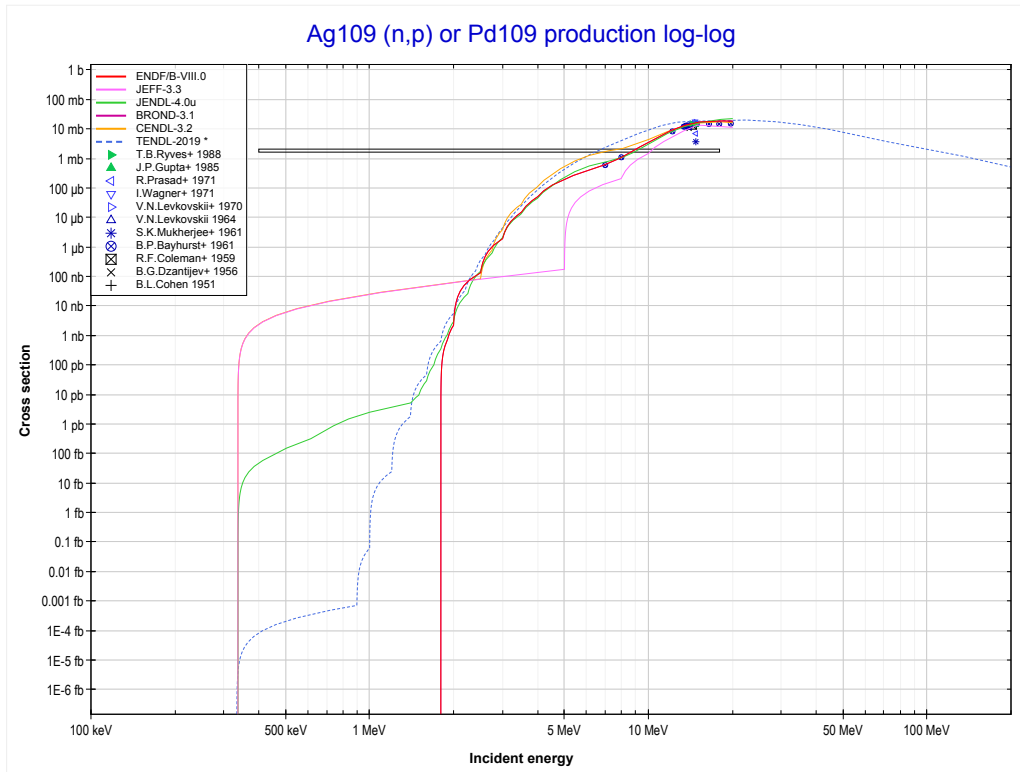
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73429E-7 b | 2.85107E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.11532E-8 b | 1.31954E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73429E-7 b | 2.85107E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.64359E-7 b | 4.95369E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04977E-7 b | 4.52121E-5 b |

| | | |
|-----------------|--|----------------|
| << 47-Ag-107 | 47-Ag-109 | 47-Ag-110m >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (Ag110 production) | MT103 (n,p) >> |



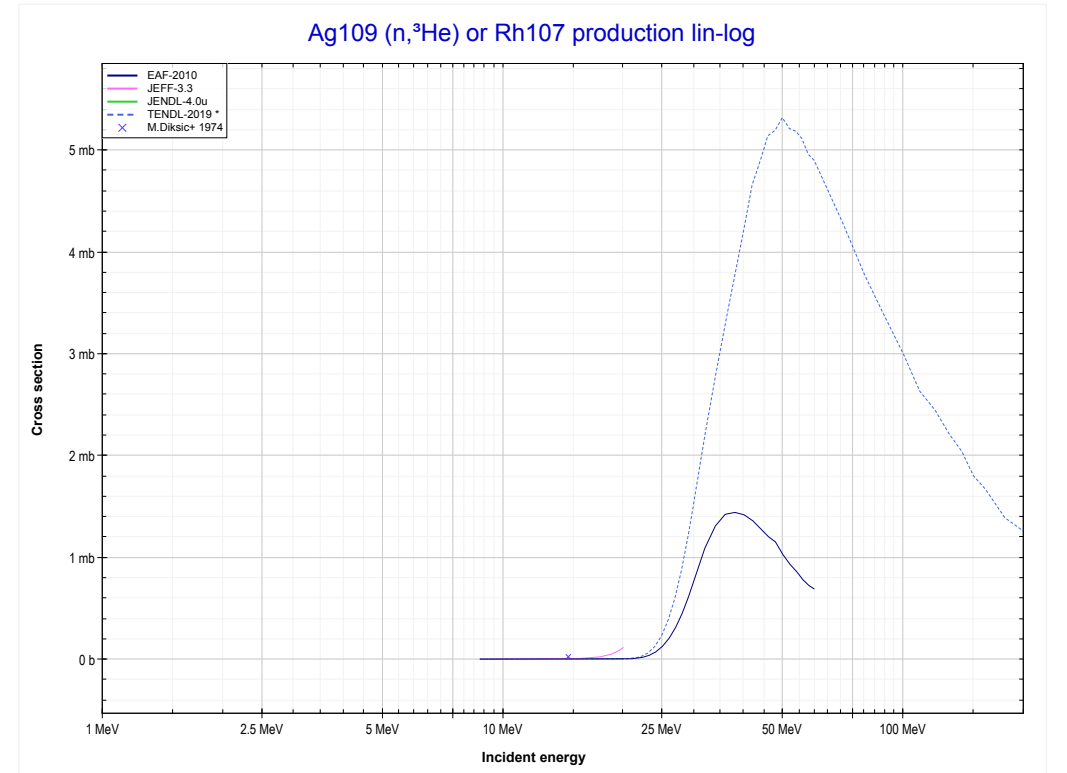
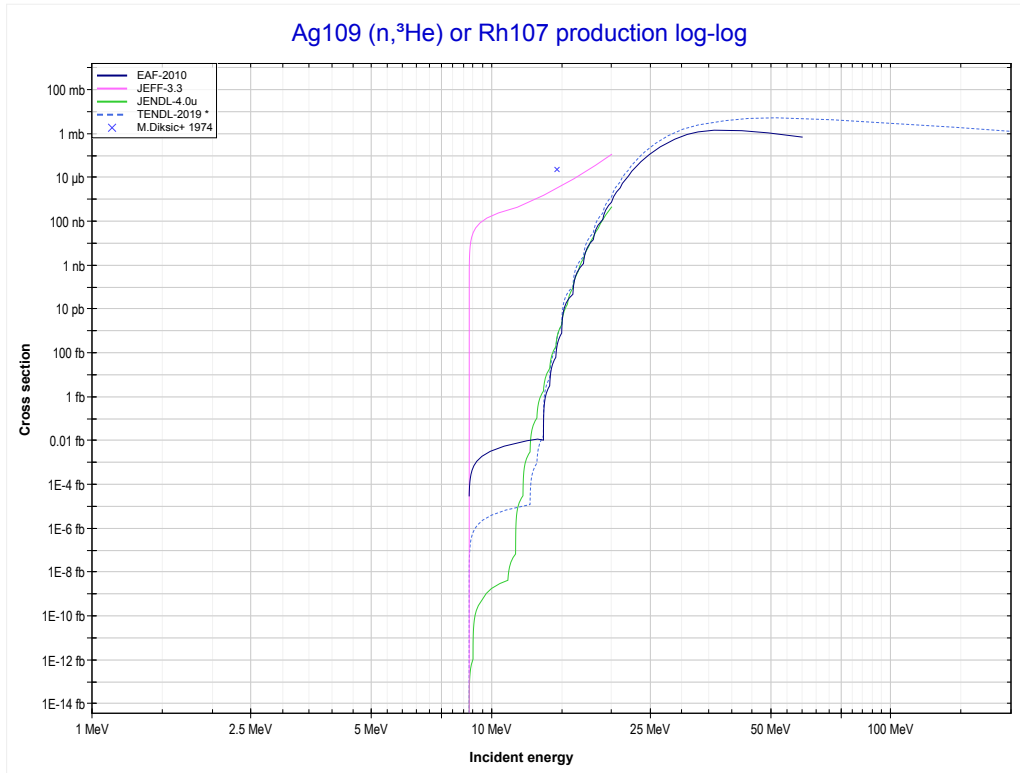
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 90.6448 b | 90.5783 b | 91.002 b | 1.0047 | 1471.16 b | 0.0882245 b | 9.53802E-4 b |
| ENDF/B-VIII.0 | 90.2659 b | 90.2659 b | 90.726 b | 1.0051 | 1467.45 b | 0.0872991 b | 8.80016E-4 b |
| JEFF-3.3 | 90.7462 b | 90.7462 b | 91.231 b | 1.00534 | 1473.91 b | 0.133503 b | 0.001015 b |
| JENDL-4.0u | 90.2626 b | 90.2626 b | 90.744 b | 1.00533 | 1465.29 b | 0.0865771 b | 8.9811E-4 b |
| BROND-3.1 | 90.2659 b | 90.2659 b | 90.726 b | 1.0051 | 1467.45 b | 0.0872991 b | 8.80016E-4 b |
| CENDL-3.2 | 90.5488 b | 90.5488 b | 91.001 b | 1.00499 | 1471.03 b | 0.0993641 b | 5.37999E-5 b |
| TENDL-2019 | 93.4083 b | 93.4083 b | 93.858 b | 1.00481 | 1474.22 b | 0.0812598 b | 9.75812E-4 b |

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|-------------------------|--|------------------------------|
| << 47-Ag-107 | 47-Ag-109 | 48-Cd-106 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pd109 production) | MT106 (n, ^3He) >> |



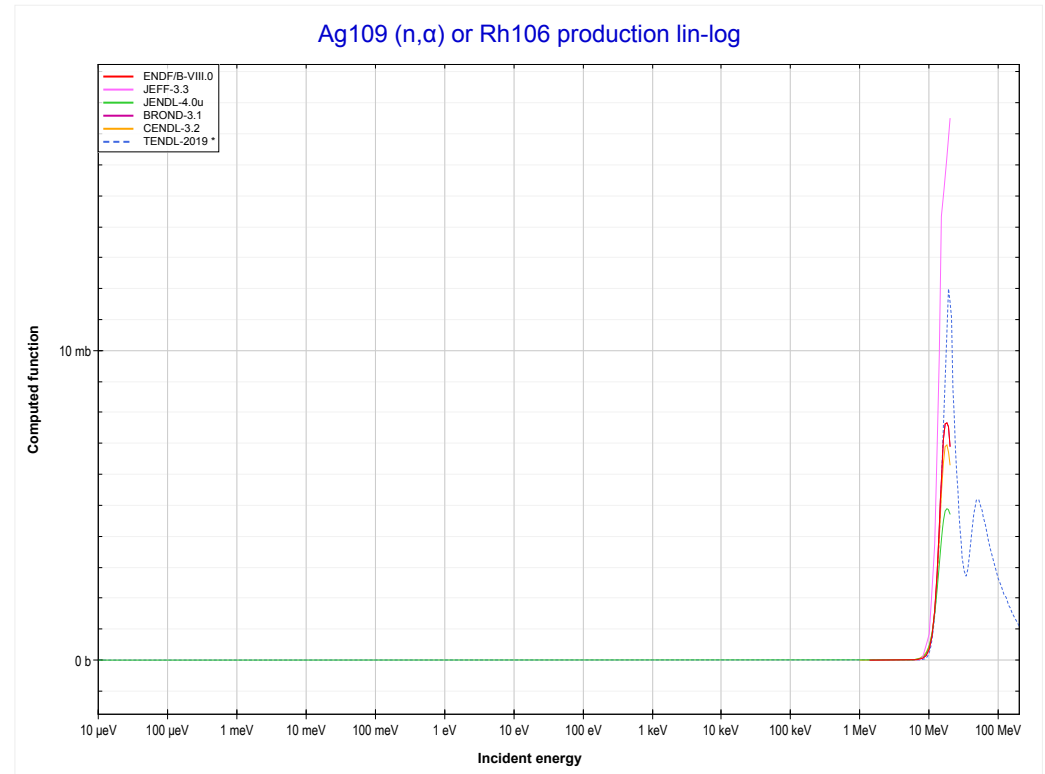
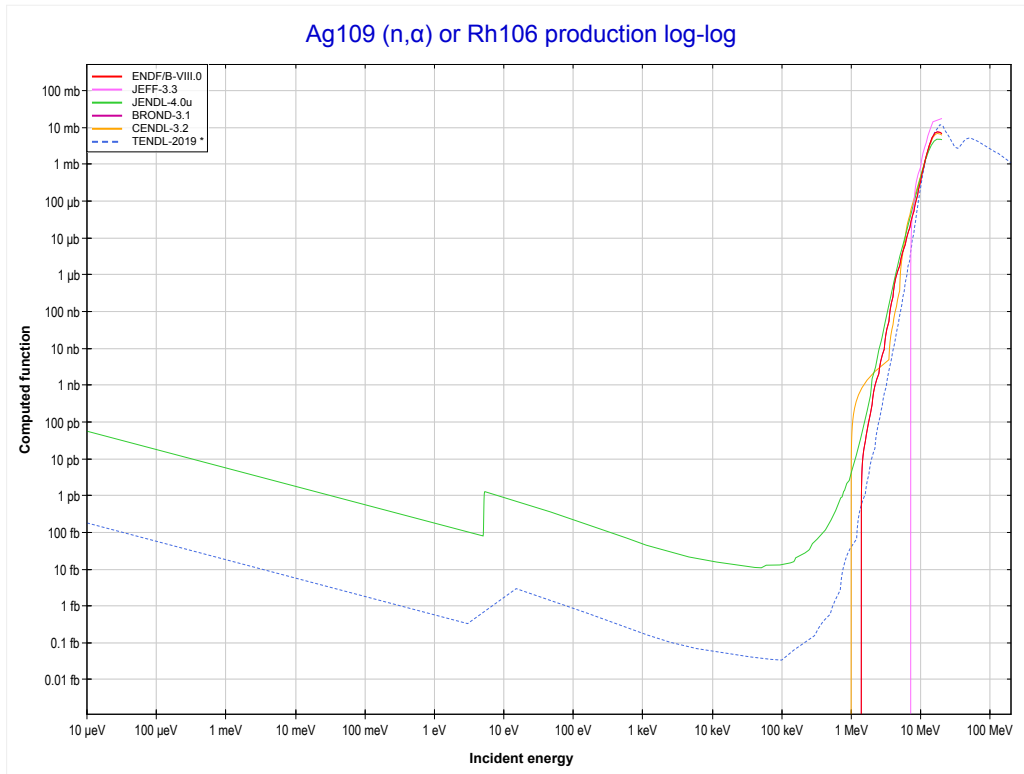
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.51578E-5 b | 0.0147089 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.61145E-5 b | 0.01027 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.75323E-5 b | 0.0135322 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.51578E-5 b | 0.0147088 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12029E-4 b | 0.01392 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47804E-4 b | 0.0181134 b |

| | | |
|----------------|---|----------------|
| << 45-Rh-103 | 47-Ag-109 | 49-In-115 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Rh107 production) | MT107 (n,α) >> |



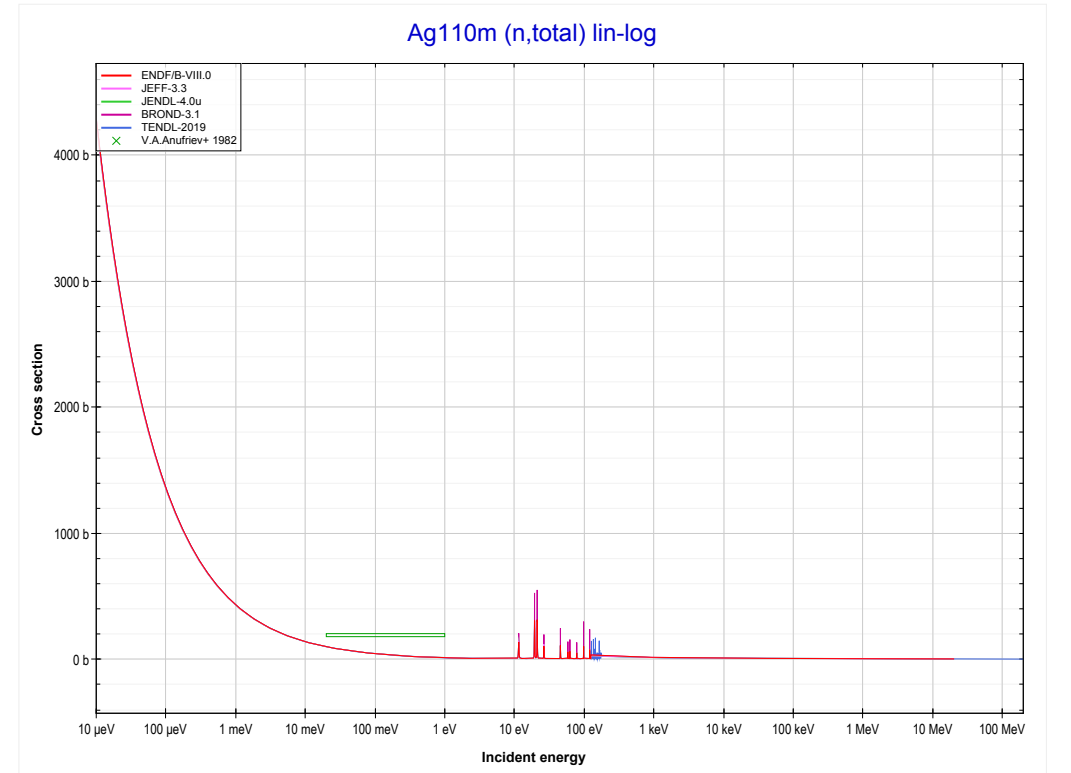
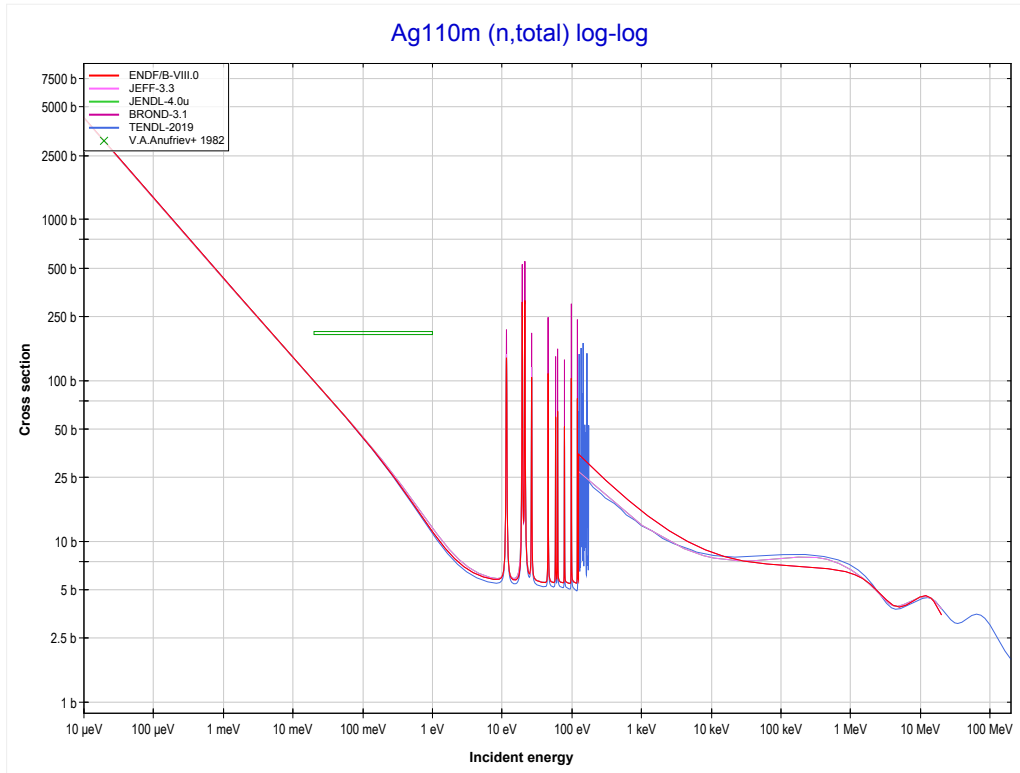
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.51631E-13 b | 3.16327E-15 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96954E-9 b | 2.154E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.48966E-13 b | 1.952E-14 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74829E-12 b | 7.1043E-15 b |

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|-------------------------------|--|-----------------------------|
| << 47-Ag-107 | 47-Ag-109 | 48-Cd-106 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Rh106 production) | 47-Ag-110m MT1 (n,total) >> |



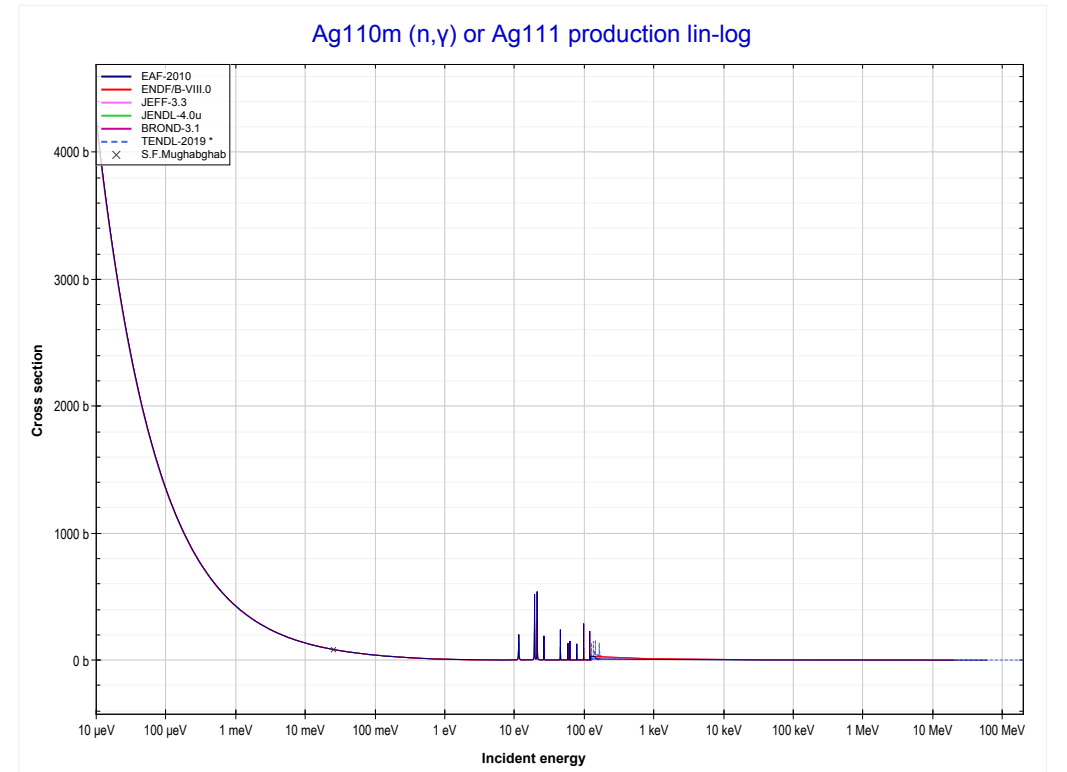
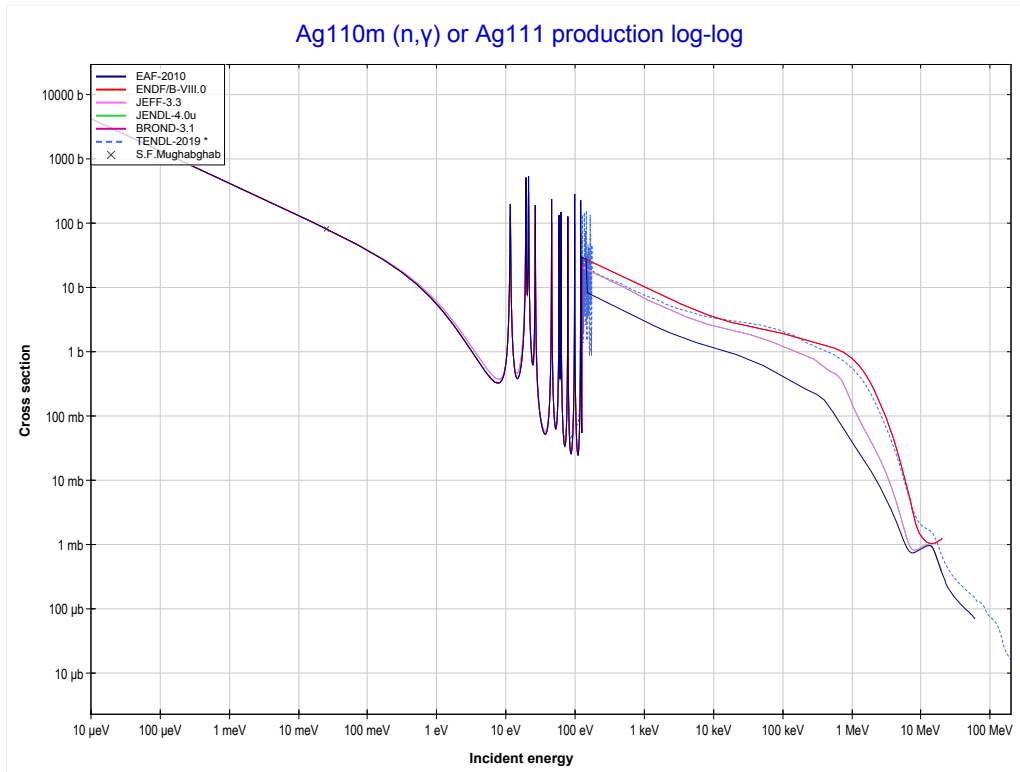
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18127E-6 b | 0.00430675 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.19702E-6 b | 0.009881 b |
| JENDL-4.0u | 1.1173E-12 b | 1.1173E-12 b | 1.1178E-12 b | 1.00041 | 2.55139E-12 b | 4.53752E-6 b | 0.00309244 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18126E-6 b | 0.00430675 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.1135E-6 b | 0.0039547 b |
| TENDL-2019 | 3.5962E-15 b | 3.5962E-15 b | 3.5945E-15 b | 0.99953 | 7.49442E-15 b | 2.93882E-6 b | 0.00397299 b |

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|-----------------------------------|----------------------|-------------------------|
| << 47-Ag-109 | 47-Ag-110m | 48-Cd-Nat >> |
| << 47-Ag-109 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



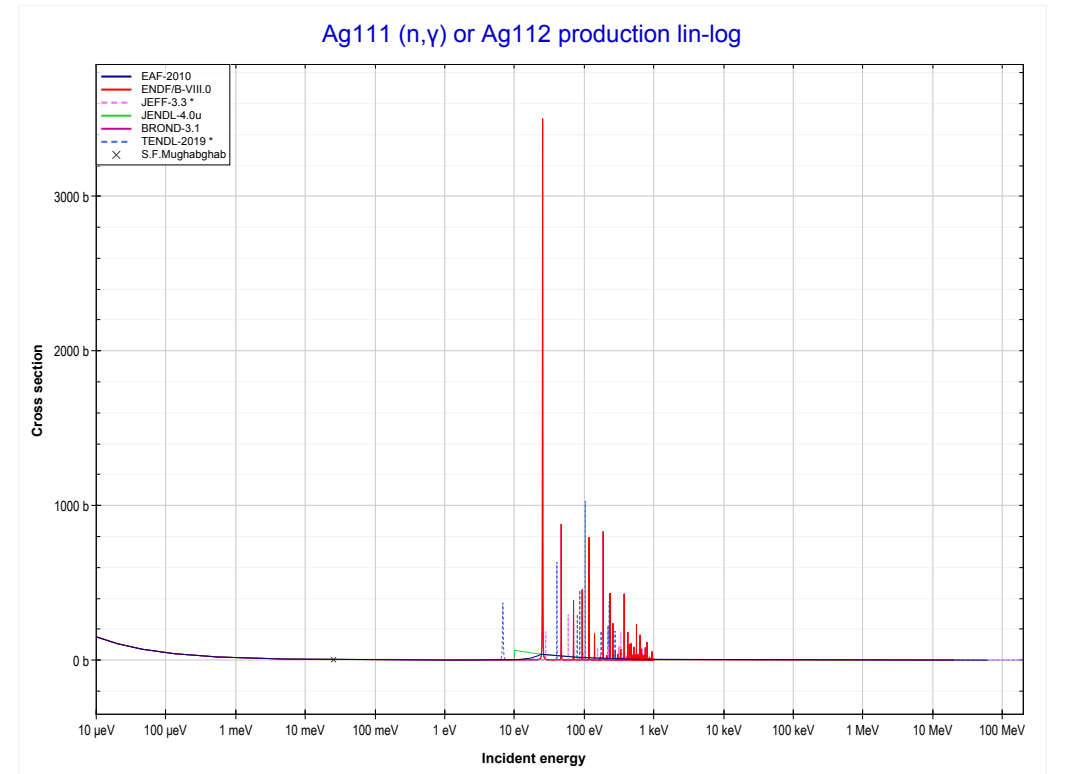
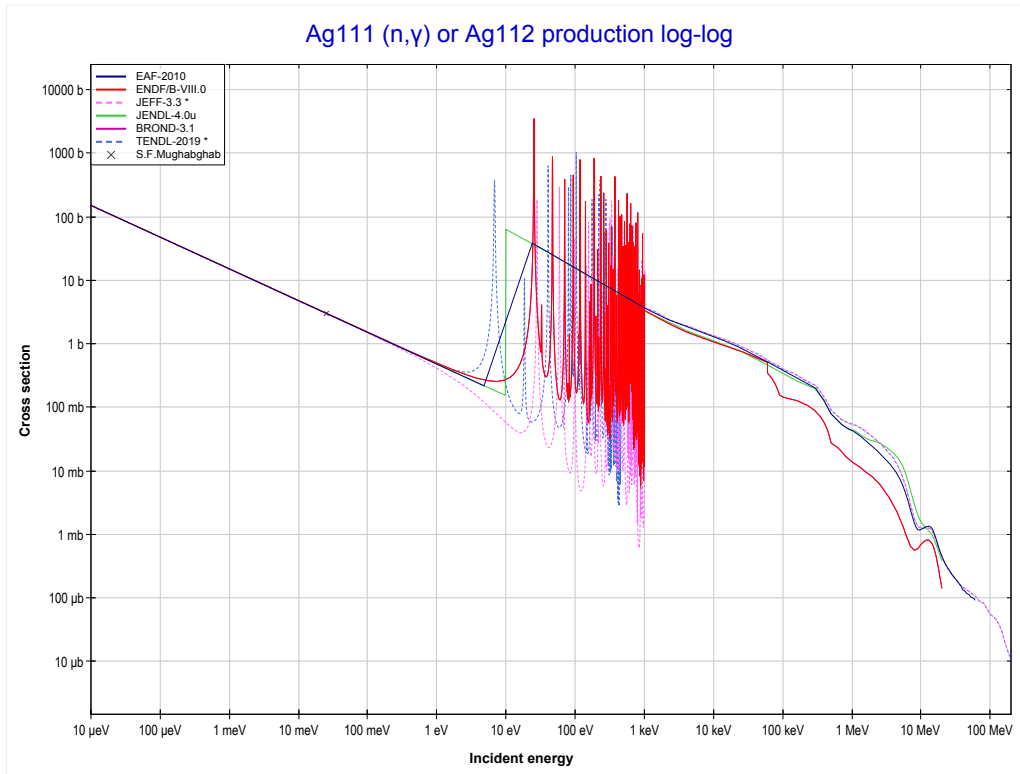
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 88.6733 b | 88.6733 b | 88.427 b | 0.99722 | 154.988 b | 5.59597 b | 4.48017 b |
| JEFF-3.3 | 88.5022 b | 88.5022 b | 88.408 b | 0.99894 | 143.548 b | 5.83905 b | 4.45807 b |
| JENDL-4.0u | 88.5022 b | 88.5022 b | 88.408 b | 0.99894 | 143.548 b | 5.83905 b | 4.45807 b |
| BROND-3.1 | 88.6733 b | 88.6733 b | 88.427 b | 0.99722 | 154.966 b | 5.59597 b | 4.48017 b |
| TENDL-2019 | 88.4441 b | 88.4441 b | 88.124 b | 0.99638 | 140.859 b | 6.02983 b | 4.44198 b |

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|------------------|--|-----------------------------------|
| << 47-Ag-109 | 47-Ag-110m | 47-Ag-111 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Ag111 production) | 47-Ag-111 MT102 (n, γ) >> |



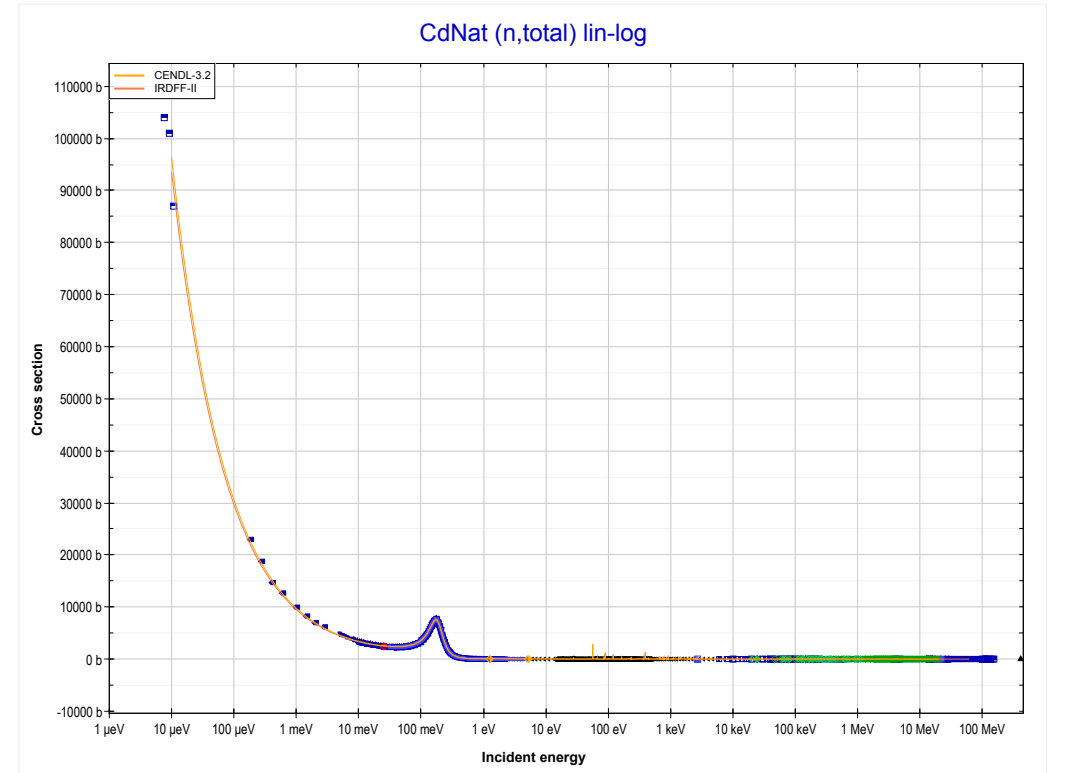
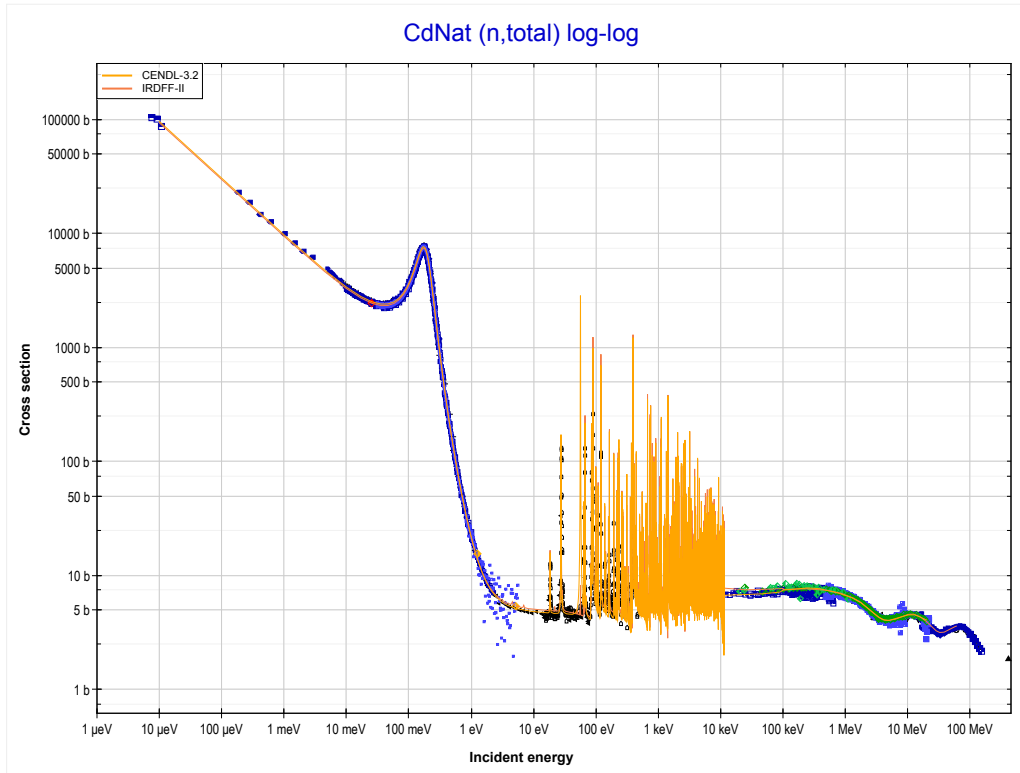
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 82.3014 b | 82.2381 b | 81.159 b | 0.98686 | 51.9015 b | 0.0582105 b | 9.63574E-4 b |
| ENDF/B-VIII.0 | 82.3159 b | 82.3159 b | 81.269 b | 0.98728 | 89.4106 b | 0.577894 b | 0.00104266 b |
| JEFF-3.3 | 81.9925 b | 81.9925 b | 81.08 b | 0.98887 | 72.8642 b | 0.199112 b | 9.54204E-4 b |
| JENDL-4.0u | 81.9925 b | 81.9925 b | 81.08 b | 0.98887 | 72.8642 b | 0.199112 b | 9.54204E-4 b |
| BROND-3.1 | 82.3159 b | 82.3159 b | 81.269 b | 0.98728 | 89.388 b | 0.577894 b | 0.00104266 b |
| TENDL-2019 | 82.425 b | 82.425 b | 81.347 b | 0.98692 | 77.4484 b | 0.459119 b | 0.00161585 b |

| | | |
|------------------------------------|--|----------------------------|
| << 47-Ag-110m | 47-Ag-111 | 48-Cd-Nat >> |
| << 47-Ag-110m MT102 (n, γ) | MT102 (n,γ) or MT5 (Ag112 production) | 48-Cd-Nat MT1 (n,total) >> |



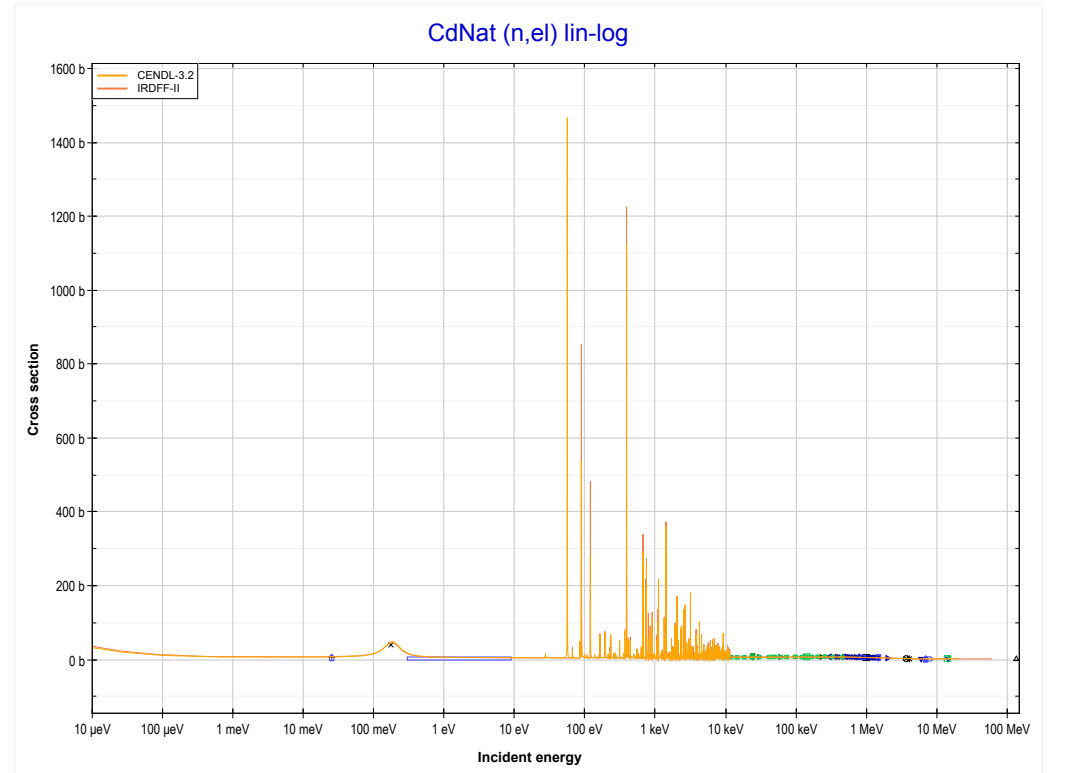
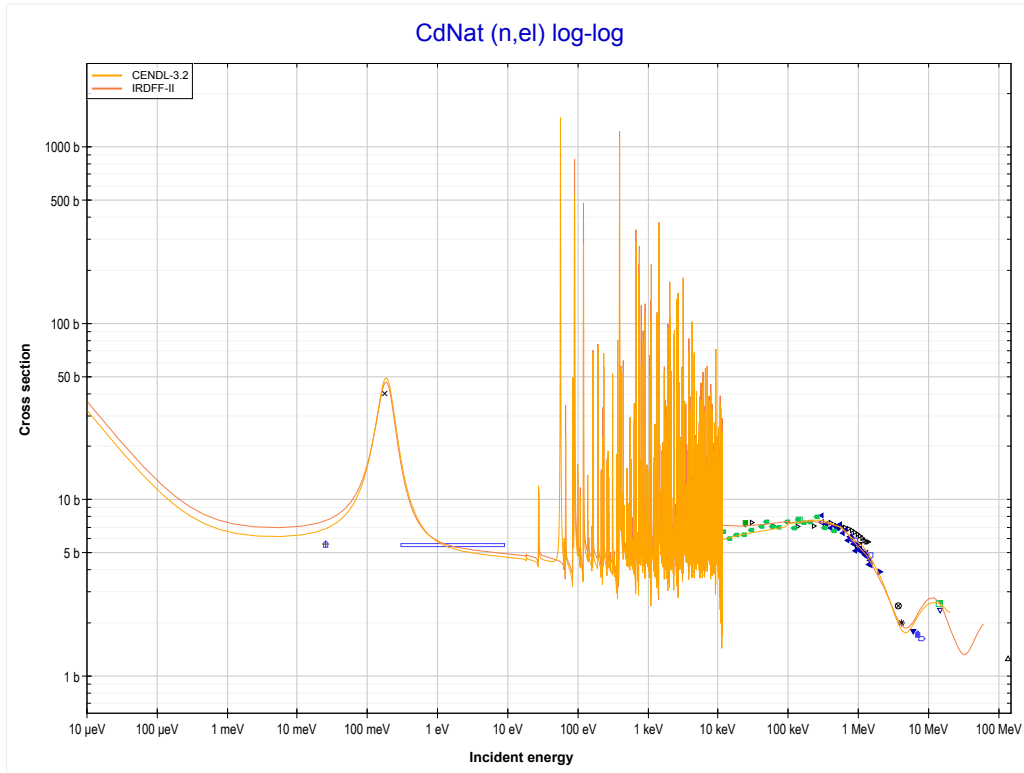
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3 b | 2.99775 b | 2.9979 b | 1.00004 | 74.773 b | 0.0564655 b | 0.00129721 b |
| ENDF/B-VIII.0 | 2.99926 b | 2.99926 b | 3.0017 b | 1.00082 | 99.3613 b | 0.0249377 b | 7.52573E-4 b |
| JEFF-3.3 | 2.98783 b | 2.98783 b | 2.9836 b | 0.99857 | 17.4744 b | 0.0682414 b | 0.00120036 b |
| JENDL-4.0u | 3.00089 b | 3.00089 b | 3.0021 b | 1.00039 | 104.693 b | 0.0579748 b | 0.00104133 b |
| BROND-3.1 | 2.99926 b | 2.99926 b | 3.0017 b | 1.00082 | 99.3613 b | 0.0249377 b | 7.52573E-4 b |
| TENDL-2019 | 2.98437 b | 2.98437 b | 2.9849 b | 1.00017 | 51.5224 b | 0.0672202 b | 0.0011978 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 47-Ag-110m | 48-Cd-Nat | 48-Cd-106 >> |
| << 47-Ag-111 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



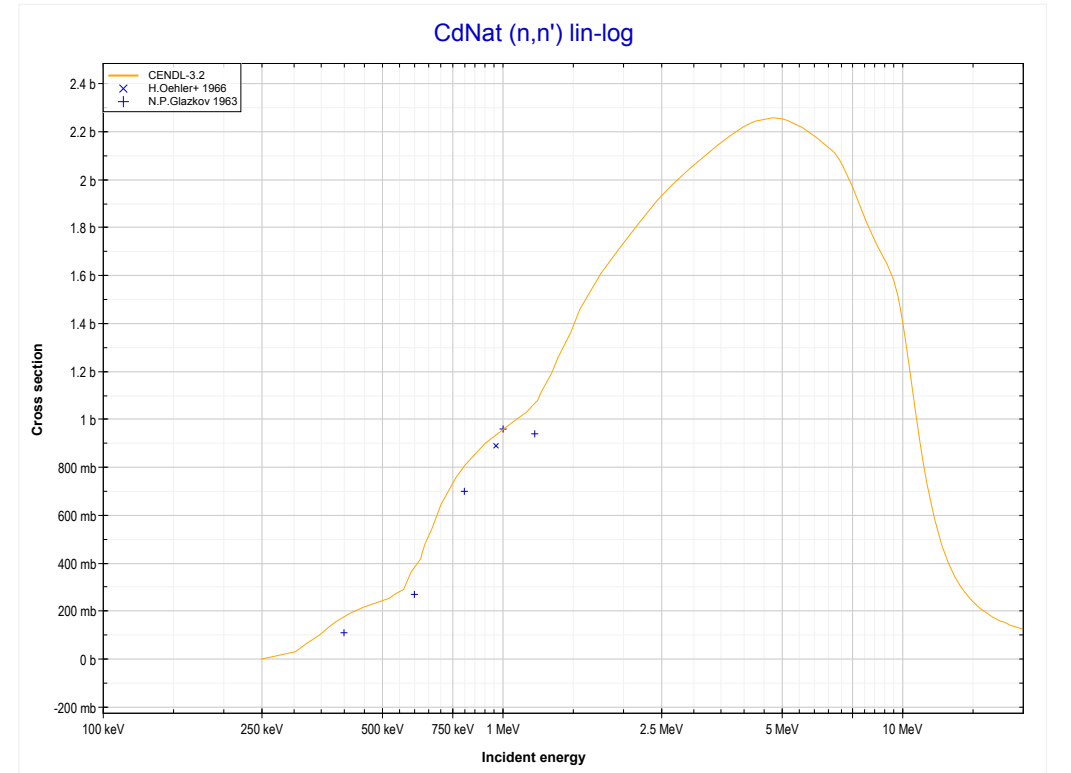
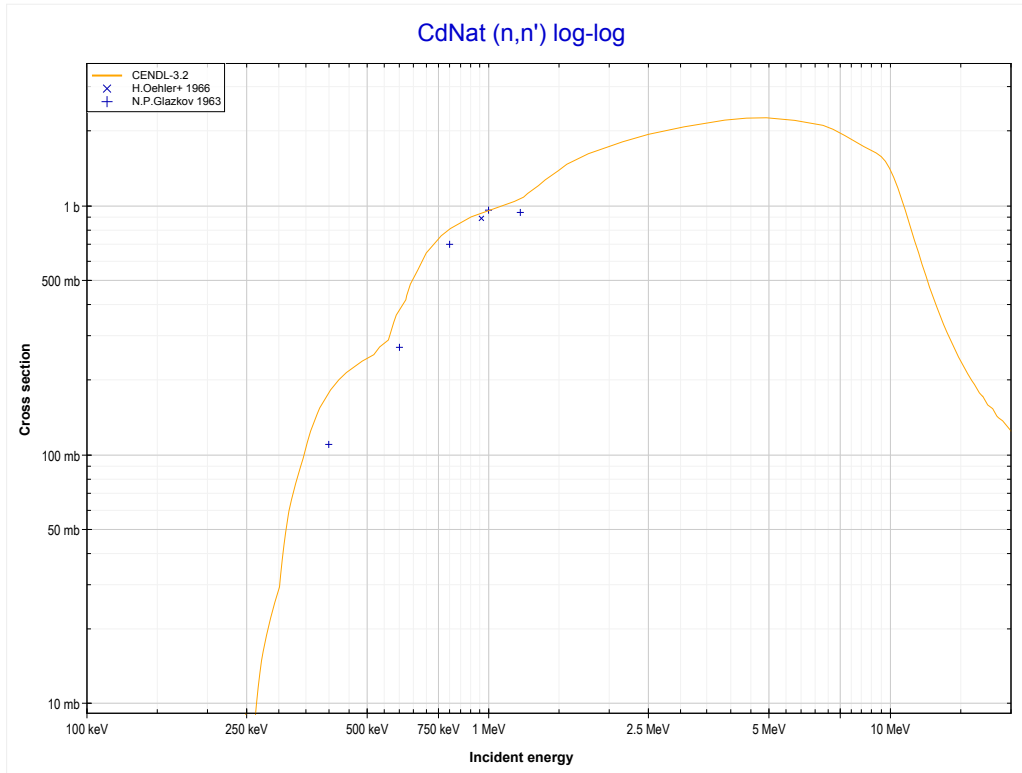
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 2525.54 b | 2525.54 b | 3377.9 b | 1.3375 | 181.756 b | 5.88644 b | 4.4682 b |
| IRDFF-II | 2449.97 b | 2449.97 b | 3271.6 b | 1.33534 | 162.414 b | 5.90006 b | 4.48057 b |

| | | |
|------------------|------------------------|---------------|
| << 47-Ag-109 | 48-Cd-Nat | 48-Cd-106 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



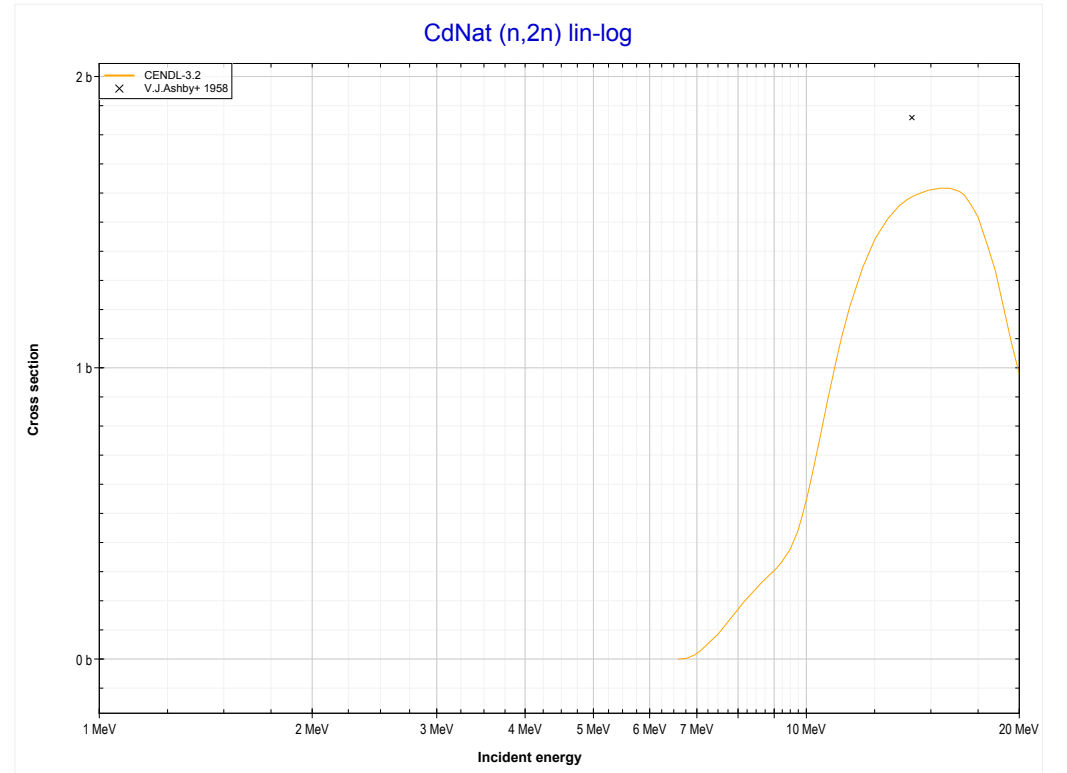
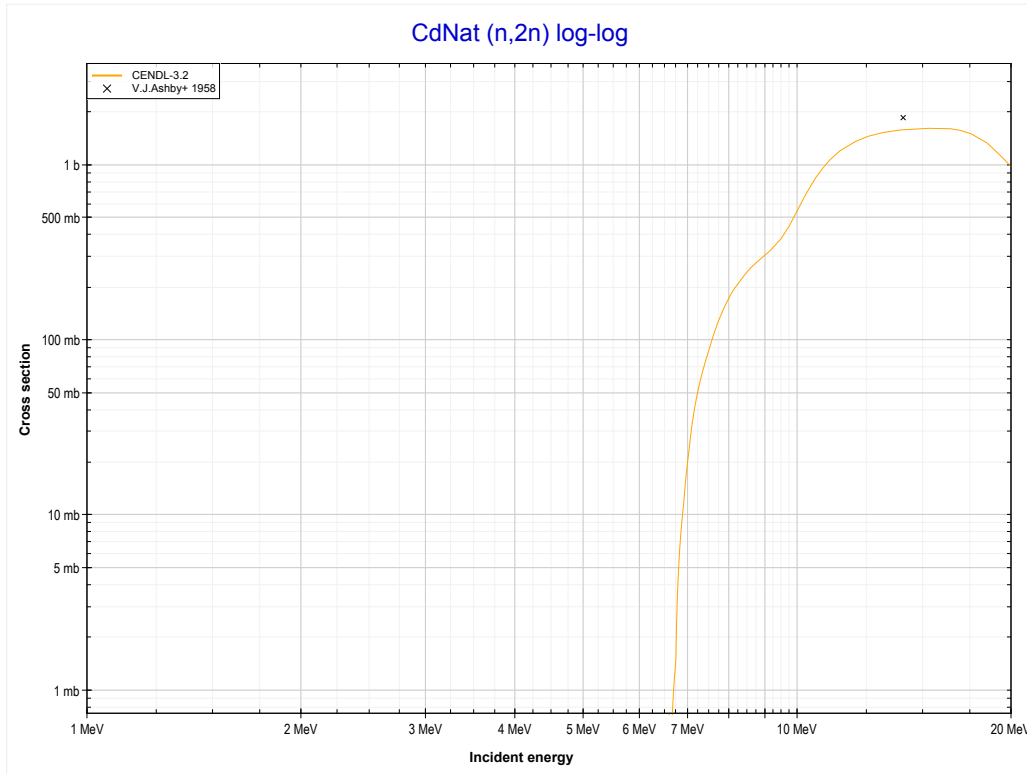
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 6.83695 b | 6.83695 b | 11.211 b | 1.63982 | 101.415 b | 4.50286 b | 2.5842 b |
| IRDFF-II | 7.59638 b | 7.59638 b | 11.912 b | 1.56816 | 97.8955 b | 4.41217 b | 2.62134 b |

| | | |
|--------------------|-------------------|----------------|
| << 47-Ag-109 | 48-Cd-Nat | 48-Cd-111 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT16 (n,2n) >> |



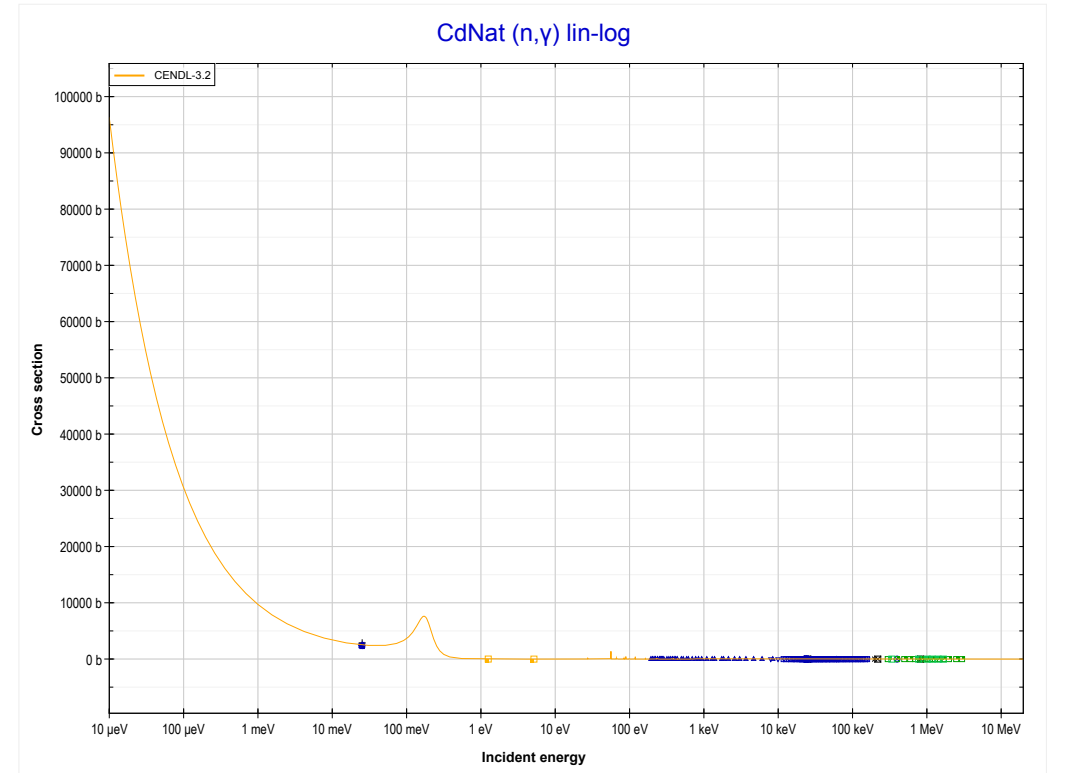
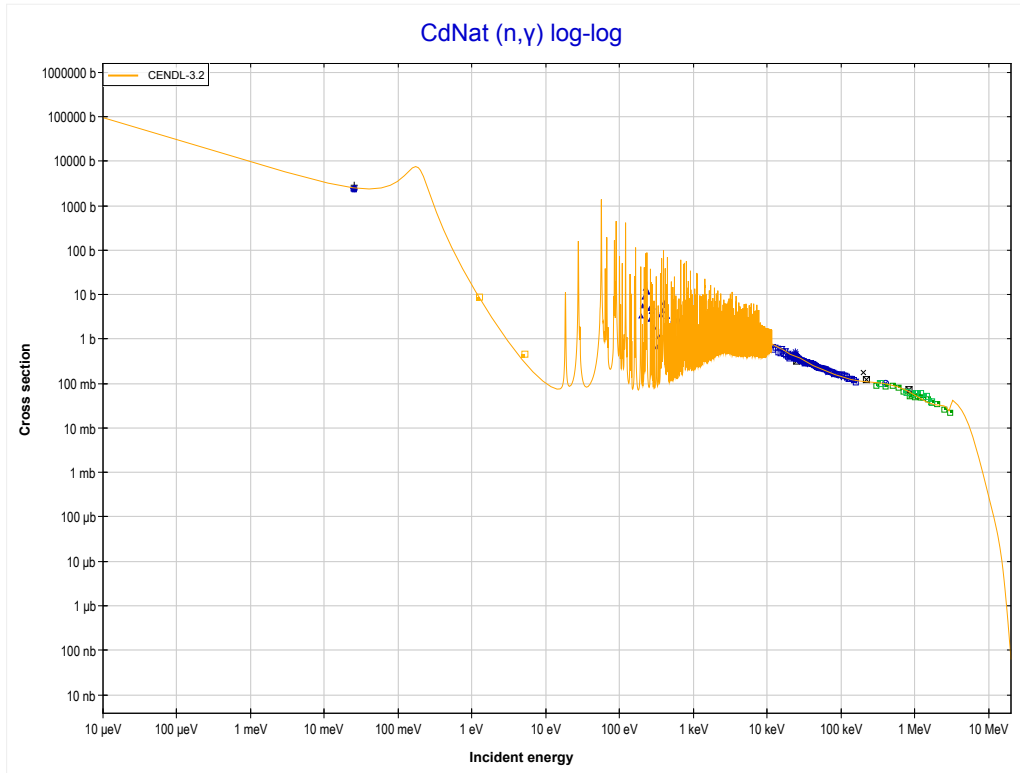
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32584 b | 0.29946 b |

| | | |
|---------------|--------------------|-------------------------|
| << 47-Ag-109 | 48-Cd-Nat | 48-Cd-106 >> |
| << MT4 (n,n') | MT16 (n,2n) | MT102 (n, γ) >> |



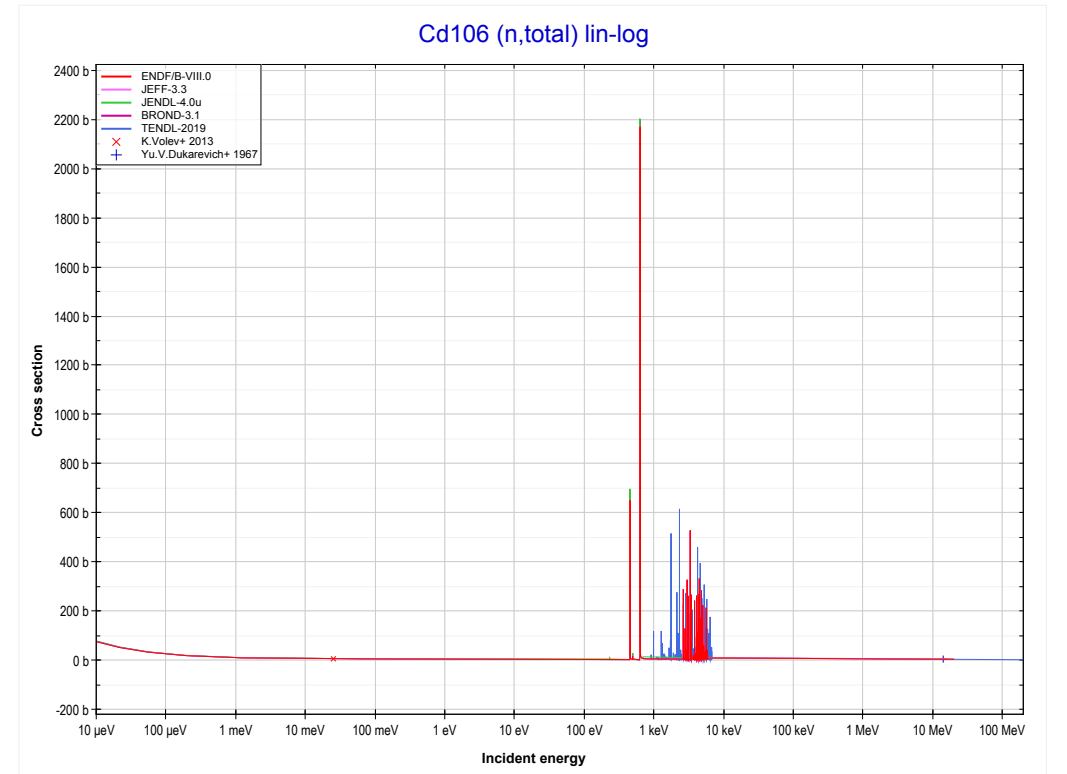
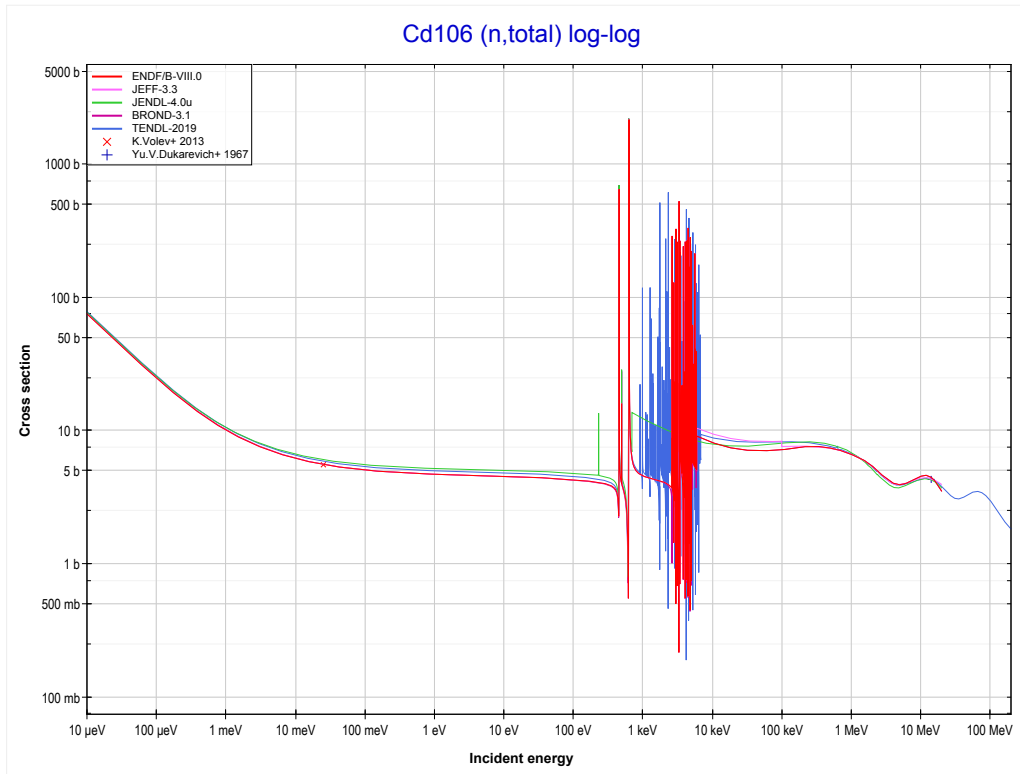
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00441218 b | 1.5833 b |

| | | |
|----------------|--------------------------------------|----------------------------|
| << 47-Ag-111 | 48-Cd-Nat | 48-Cd-106 >> |
| << MT16 (n,2n) | MT102 (n,γ) | 48-Cd-106 MT1 (n,total) >> |



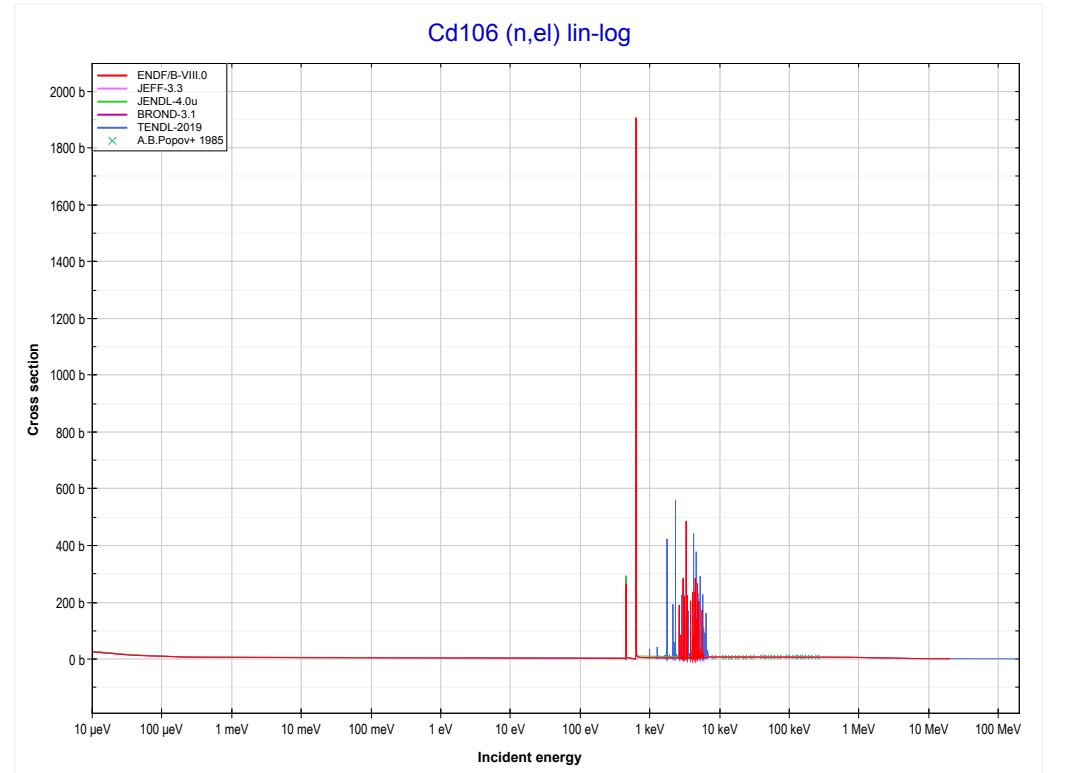
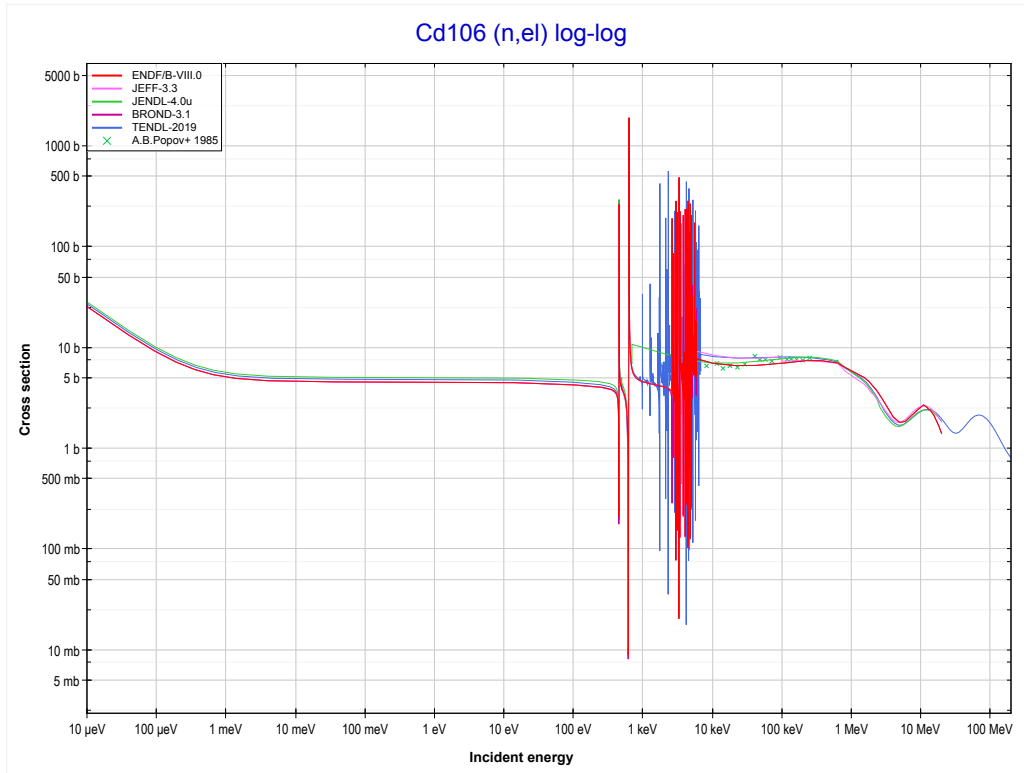
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 2518.7 b | 2518.7 b | 3366.7 b | 1.33668 | 80.3318 b | 0.0518869 b | 2.307E-5 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 48-Cd-Nat | 48-Cd-106 | 48-Cd-108 >> |
| << 48-Cd-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



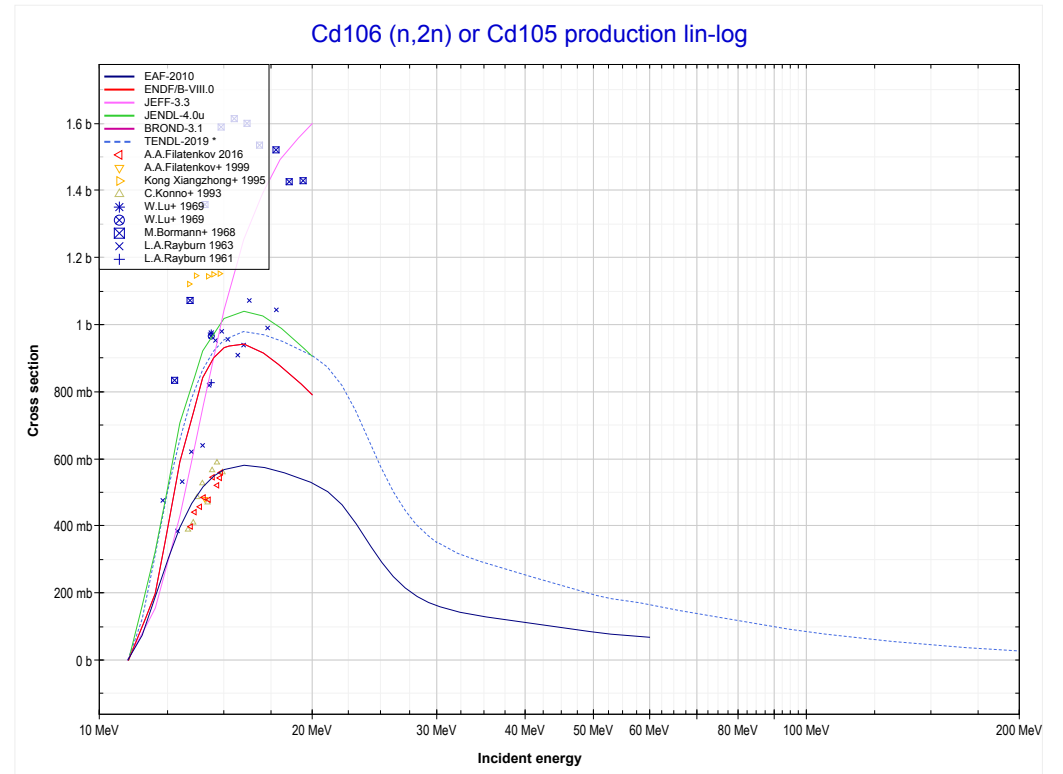
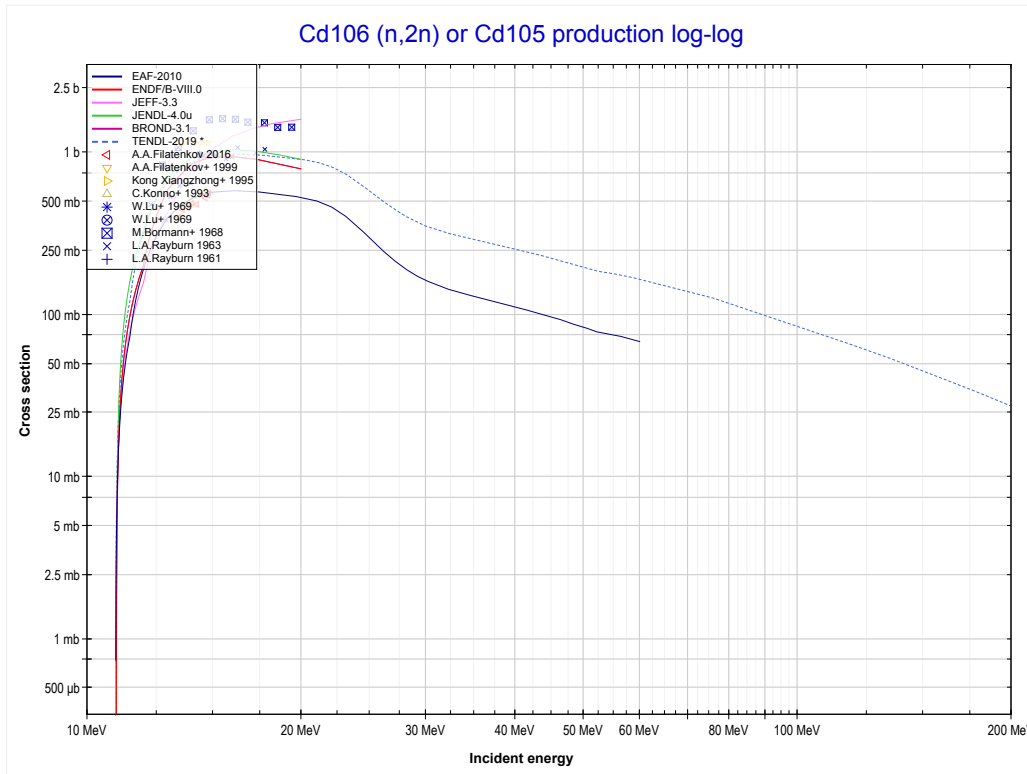
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.5489 b | 5.5489 b | 6.1347 b | 1.10557 | 78.672 b | 5.79104 b | 4.48012 b |
| JEFF-3.3 | 5.5489 b | 5.5489 b | 6.1347 b | 1.10557 | 82.2266 b | 5.80276 b | 4.341 b |
| JENDL-4.0u | 6.0274 b | 6.0274 b | 6.6767 b | 1.10773 | 90.9635 b | 5.81137 b | 4.27499 b |
| BROND-3.1 | 5.56233 b | 5.56233 b | 6.1475 b | 1.10521 | 78.94 b | 5.79097 b | 4.48012 b |
| TENDL-2019 | 5.86195 b | 5.86195 b | 6.484 b | 1.10612 | 88.2489 b | 5.86015 b | 4.34951 b |

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|------------------|------------------------|----------------|
| << 48-Cd-Nat | 48-Cd-106 | 48-Cd-108 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



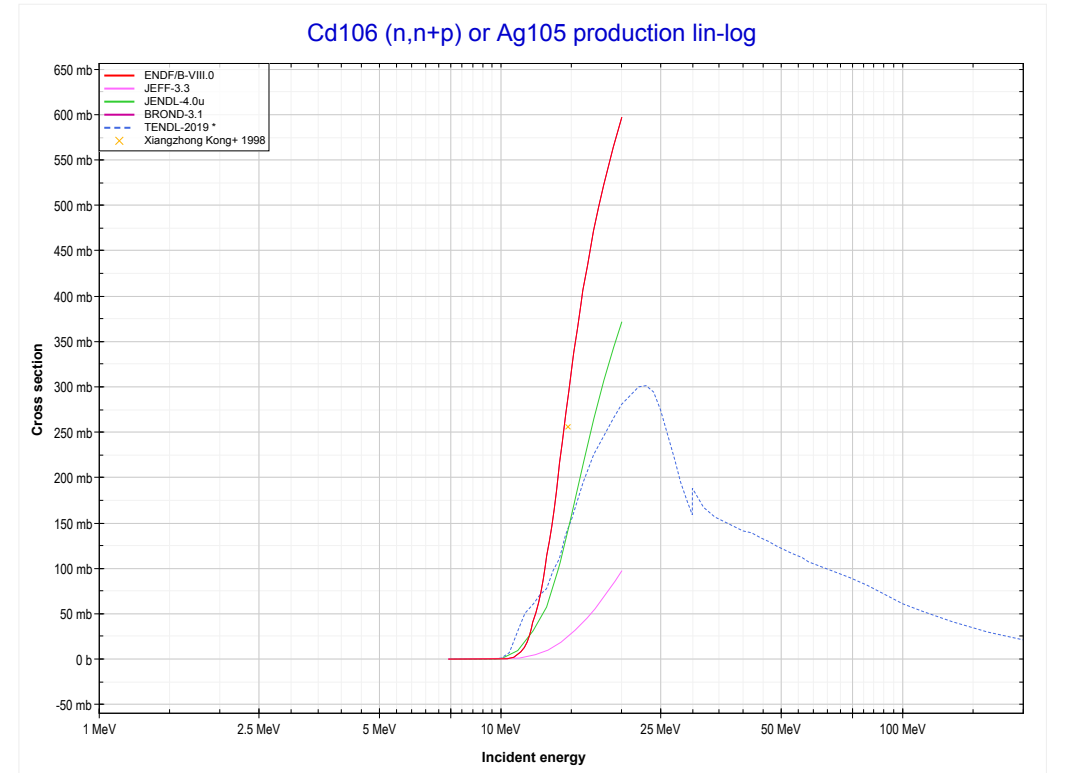
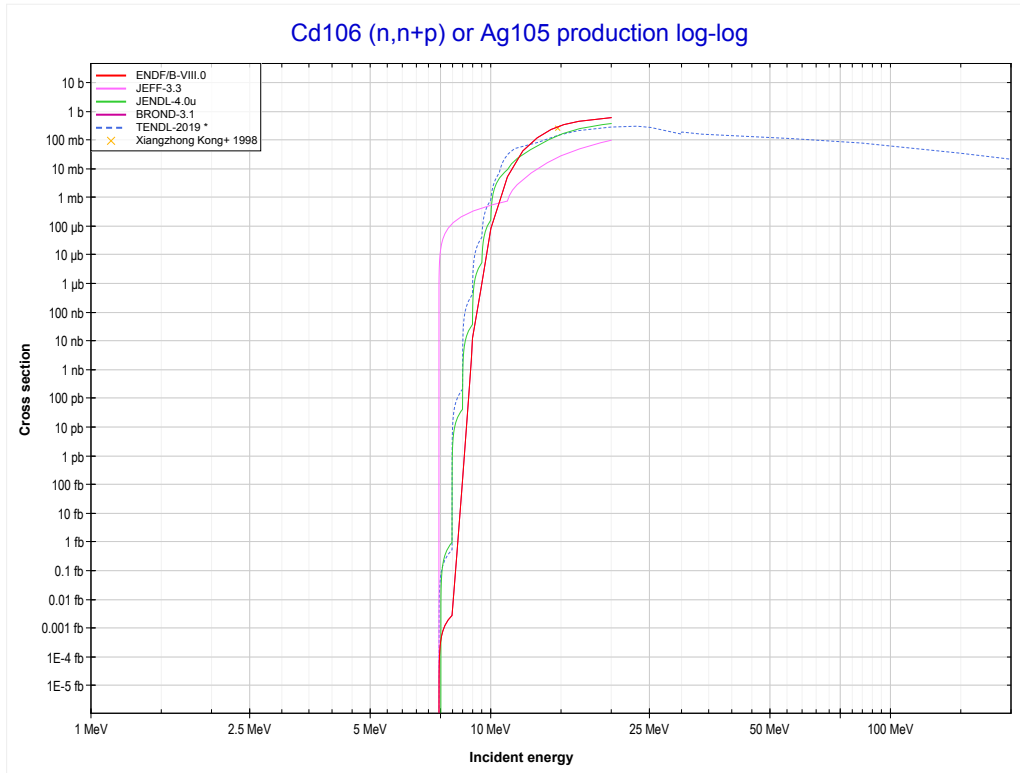
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.56302 b | 4.56302 b | 5.1486 b | 1.12834 | 72.9034 b | 4.76304 b | 2.3711 b |
| JEFF-3.3 | 4.56302 b | 4.56302 b | 5.1486 b | 1.12834 | 76.4542 b | 4.38001 b | 2.49714 b |
| JENDL-4.0u | 5.05772 b | 5.05772 b | 5.7069 b | 1.12834 | 82.4783 b | 4.53479 b | 2.348 b |
| BROND-3.1 | 4.55829 b | 4.55829 b | 5.1433 b | 1.12834 | 72.7881 b | 4.763 b | 2.3711 b |
| TENDL-2019 | 4.84599 b | 4.84599 b | 5.4682 b | 1.12841 | 81.1637 b | 4.61208 b | 2.41345 b |

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|--------------------|--|-----------------|
| << 48-Cd-Nat | 48-Cd-106 | 48-Cd-108 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd105 production) | MT28 (n,n+p) >> |



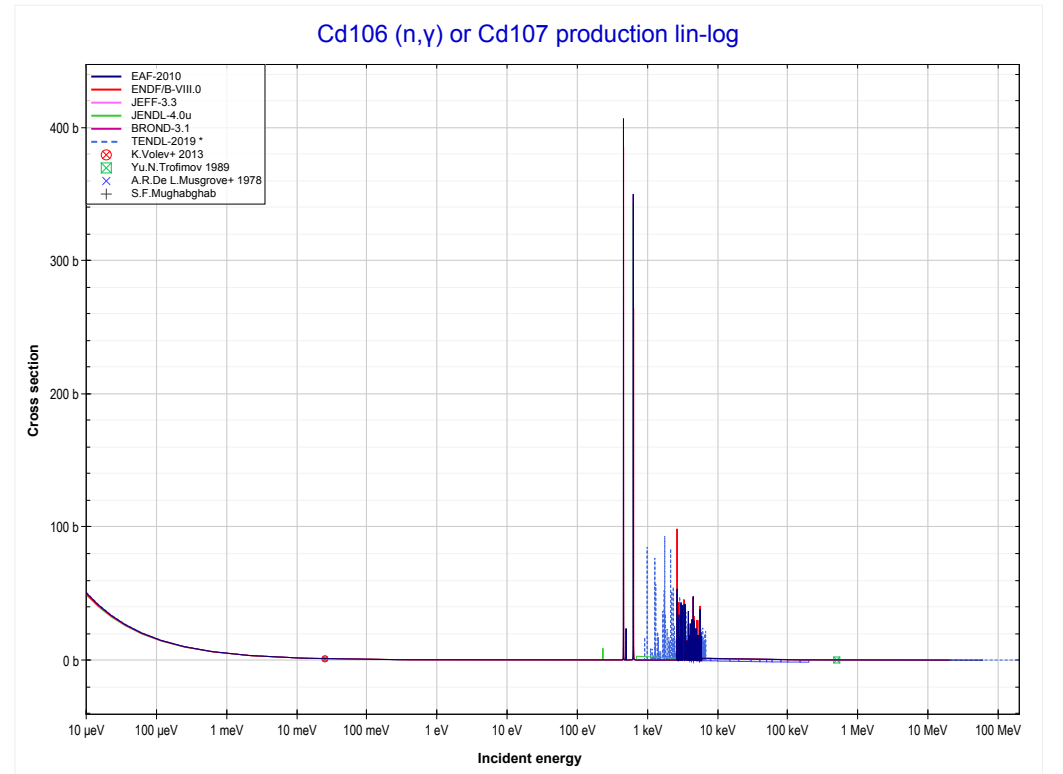
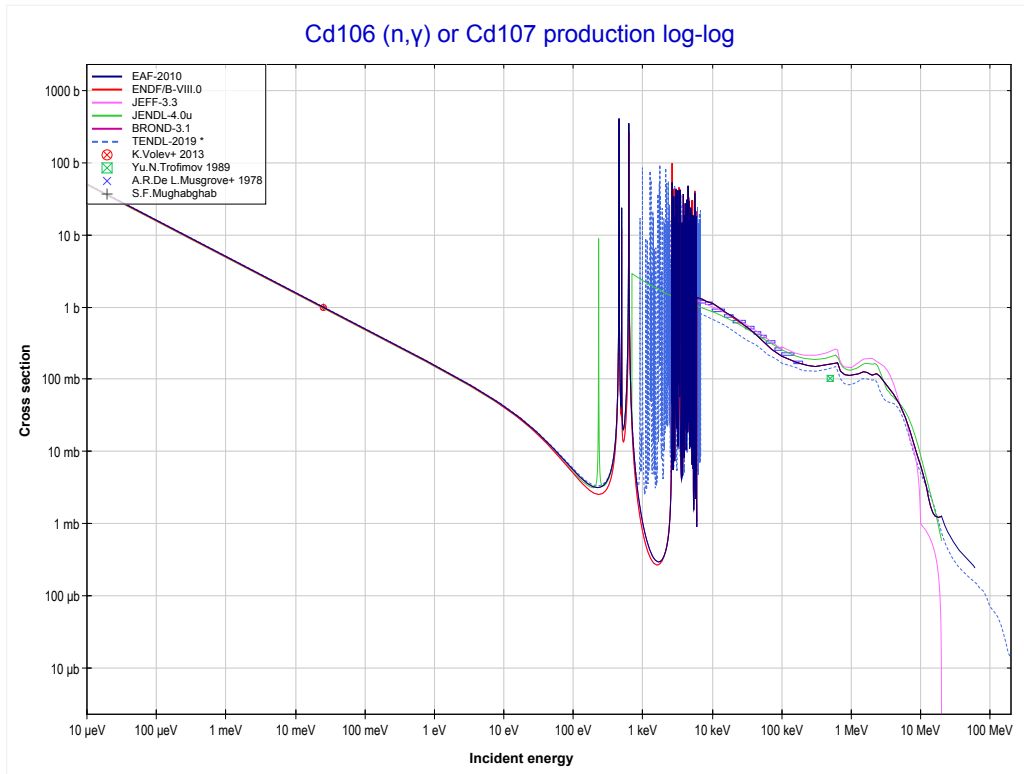
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27935E-4 b | 0.515333 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27909E-4 b | 0.841409 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98072E-4 b | 0.7503 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.08018E-4 b | 0.9212 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27909E-4 b | 0.841409 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.82099E-4 b | 0.865352 b |

| | | |
|----------------|---|-------------------------|
| << 47-Ag-Nat | 48-Cd-106 | 48-Cd-113 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Ag105 production) | MT102 (n, γ) >> |



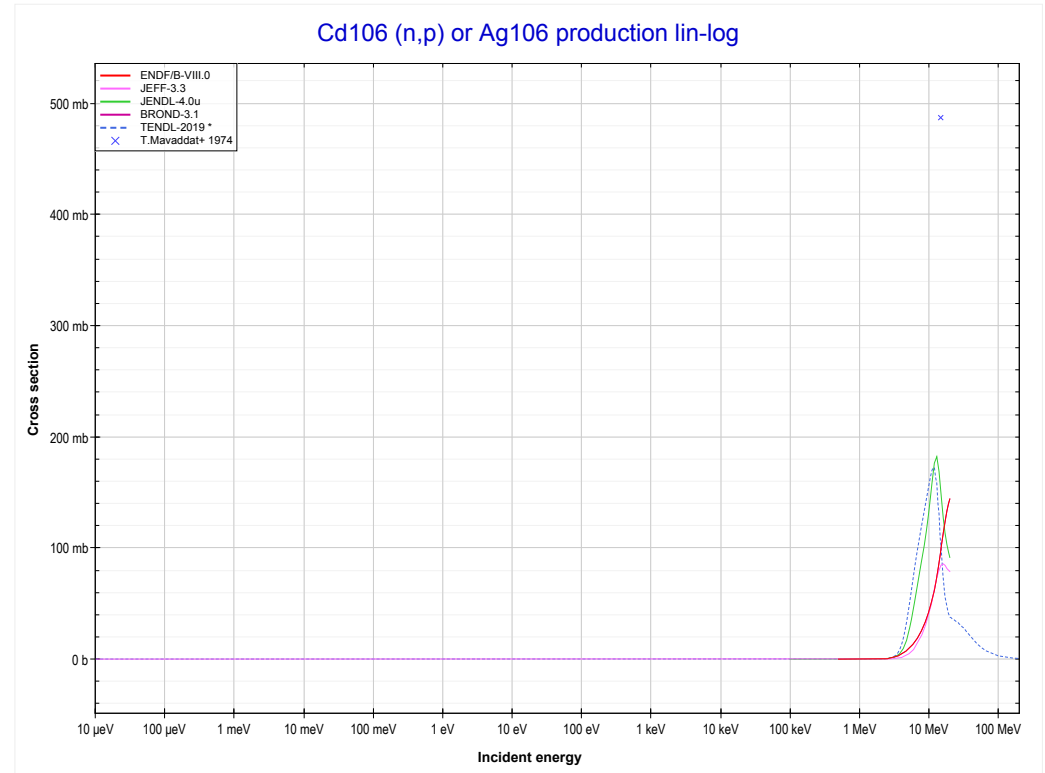
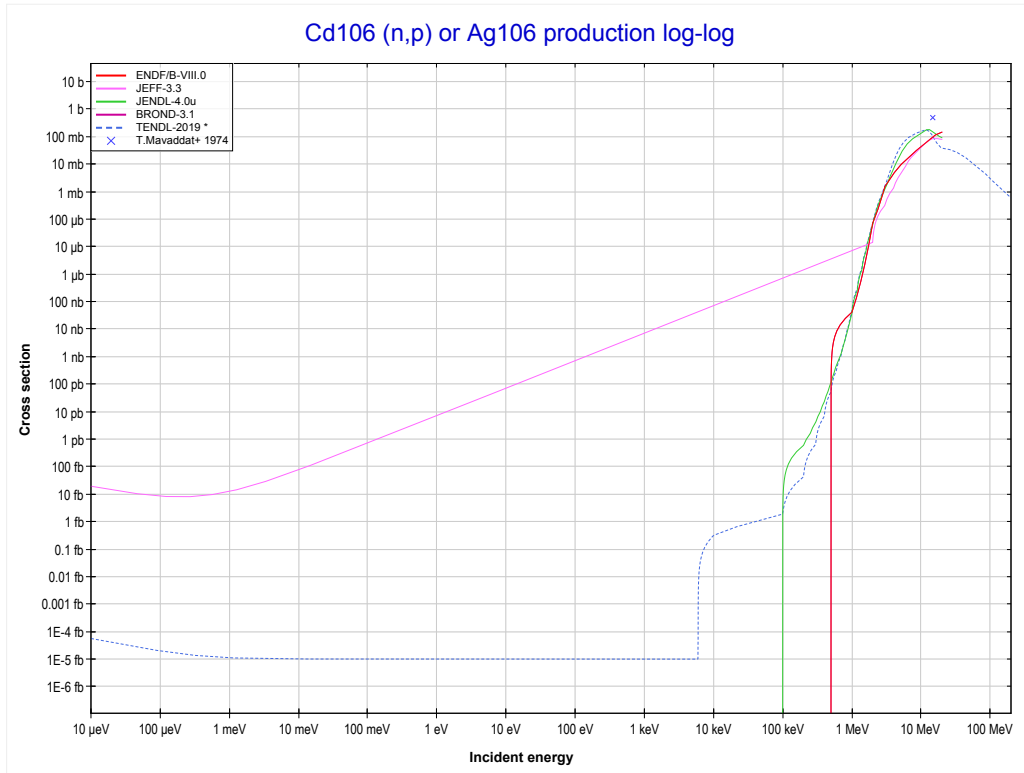
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.32163E-5 b | 0.216269 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04964E-5 b | 0.0173 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.36626E-5 b | 0.1035 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.32163E-5 b | 0.216269 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.07273E-5 b | 0.110956 b |

| | | |
|-----------------|--|----------------|
| << 48-Cd-Nat | 48-Cd-106 | 48-Cd-108 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cd107 production) | MT103 (n,p) >> |



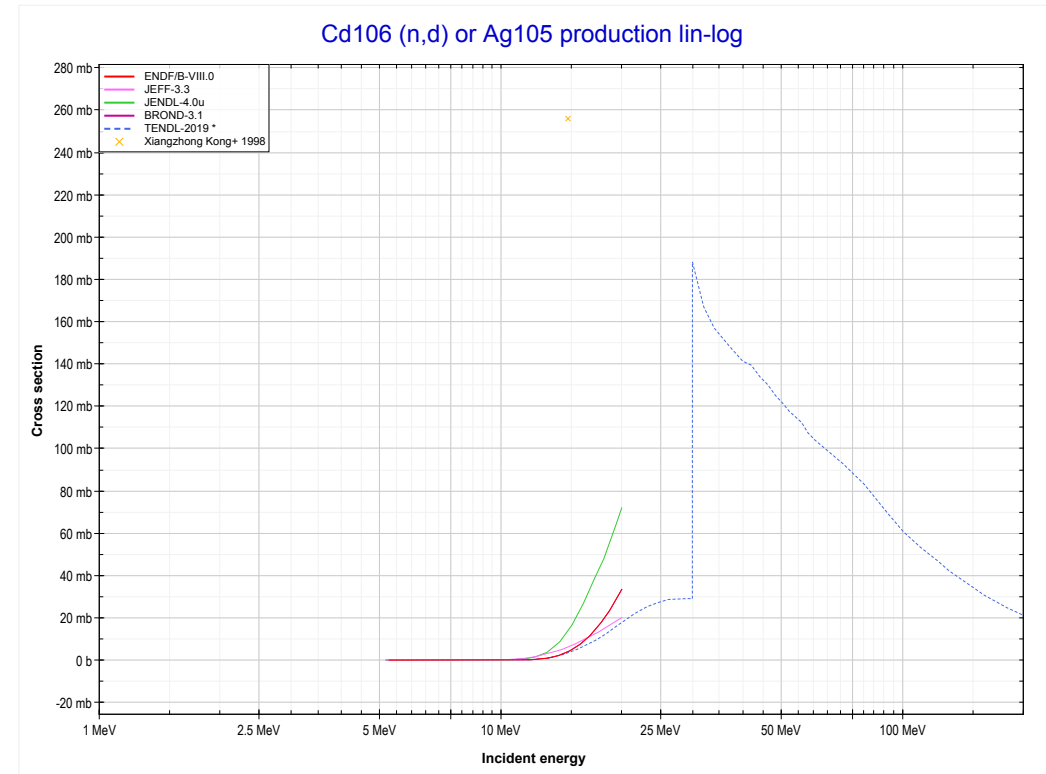
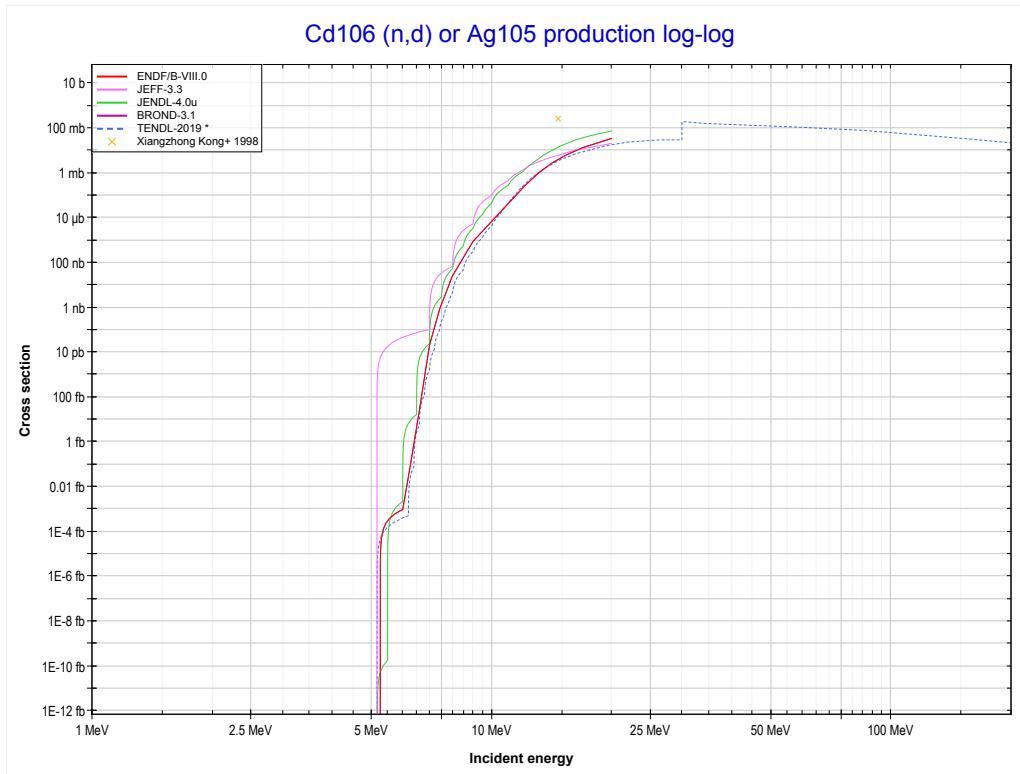
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.00386 b | 1.00313 b | 1.003 b | 0.99986 | 6.1648 b | 0.116308 b | 0.00170128 b |
| ENDF/B-VIII.0 | 0.985879 b | 0.985879 b | 0.98606 b | 1.00018 | 5.76861 b | 0.116294 b | 0.00170128 b |
| JEFF-3.3 | 0.985879 b | 0.985879 b | 0.98606 b | 1.00018 | 5.77243 b | 0.167796 b | 6E-4 b |
| JENDL-4.0u | 0.96967 b | 0.96967 b | 0.96986 b | 1.00019 | 8.48519 b | 0.141008 b | 0.002522 b |
| BROND-3.1 | 1.00403 b | 1.00403 b | 1.0042 b | 1.0002 | 6.15183 b | 0.116272 b | 0.00170128 b |
| TENDL-2019 | 1.01597 b | 1.01597 b | 1.0158 b | 0.99983 | 7.08361 b | 0.0909479 b | 0.00235732 b |

| | | |
|-------------------------|--|----------------|
| << 47-Ag-109 | 48-Cd-106 | 48-Cd-108 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag106 production) | MT104 (n,d) >> |



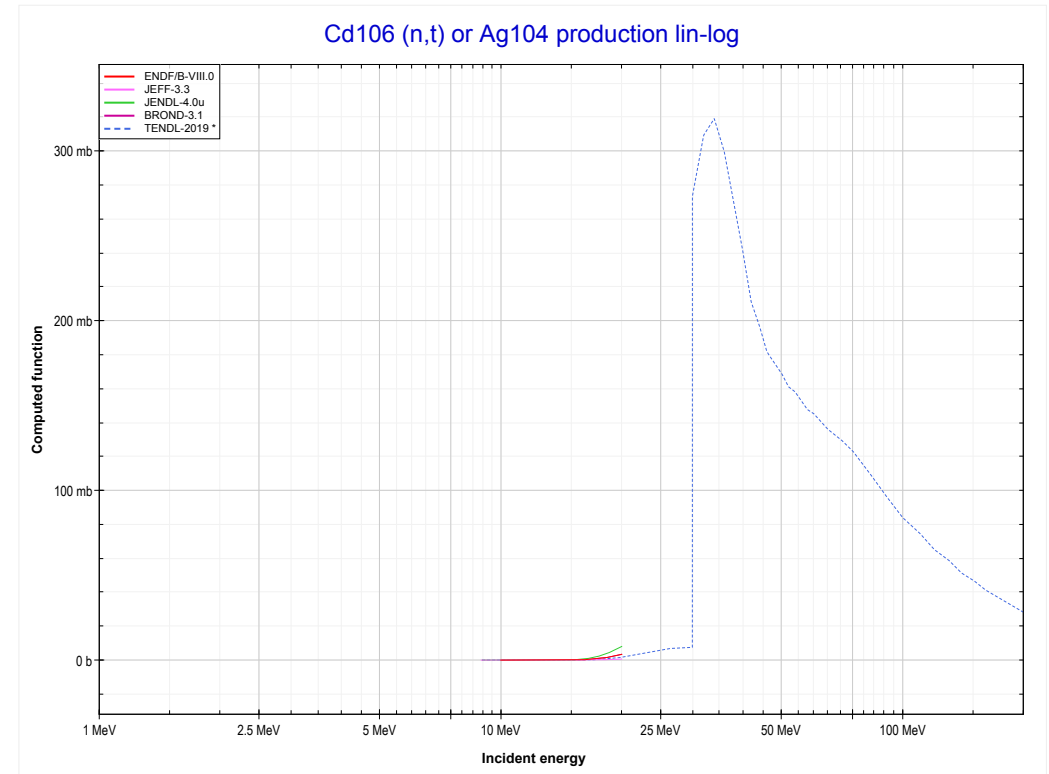
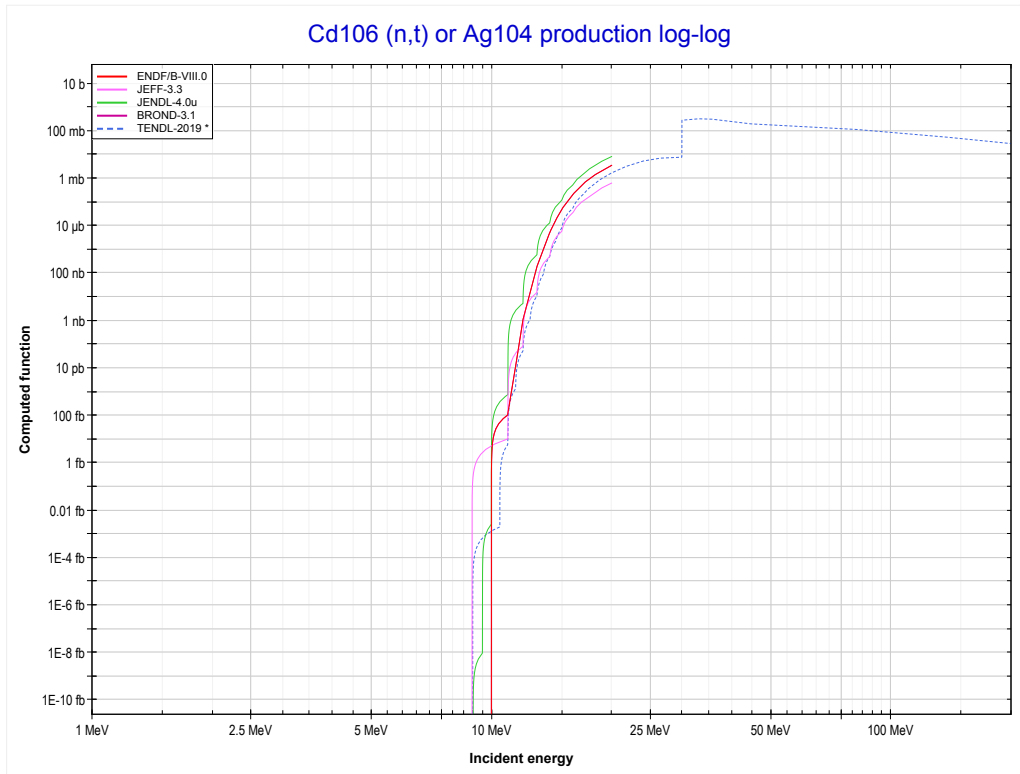
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00174484 b | 0.087 b |
| JEFF-3.3 | 1.84573E-13 b | 1.84573E-13 b | 4.1082E-13 b | 2.22577 | 7.09497E-7 b | 0.00103635 b | 0.08019 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00444865 b | 0.1687 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00174484 b | 0.087 b |
| TENDL-2019 | 1.0048E-20 b | 1.0048E-20 b | 1.1338E-20 b | 1.1284 | 2.17067E-15 b | 0.00690053 b | 0.130664 b |

| | | |
|----------------|--|----------------|
| << 46-Pd-108 | 48-Cd-106 | 48-Cd-113 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ag105 production) | MT105 (n,t) >> |



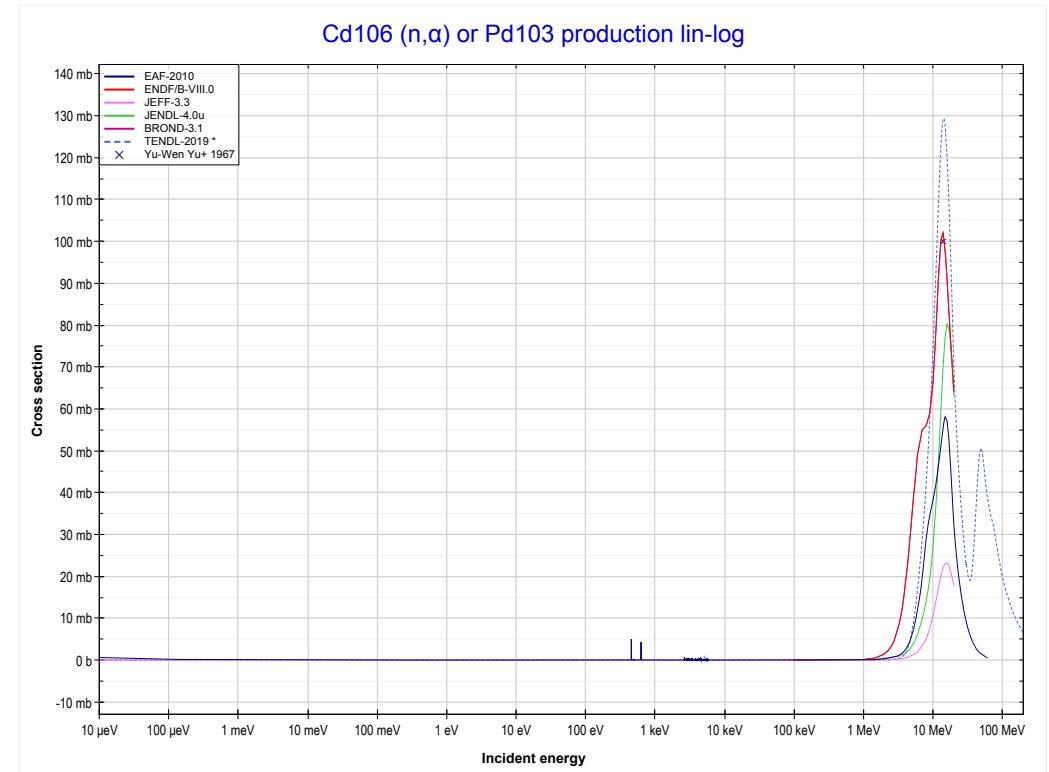
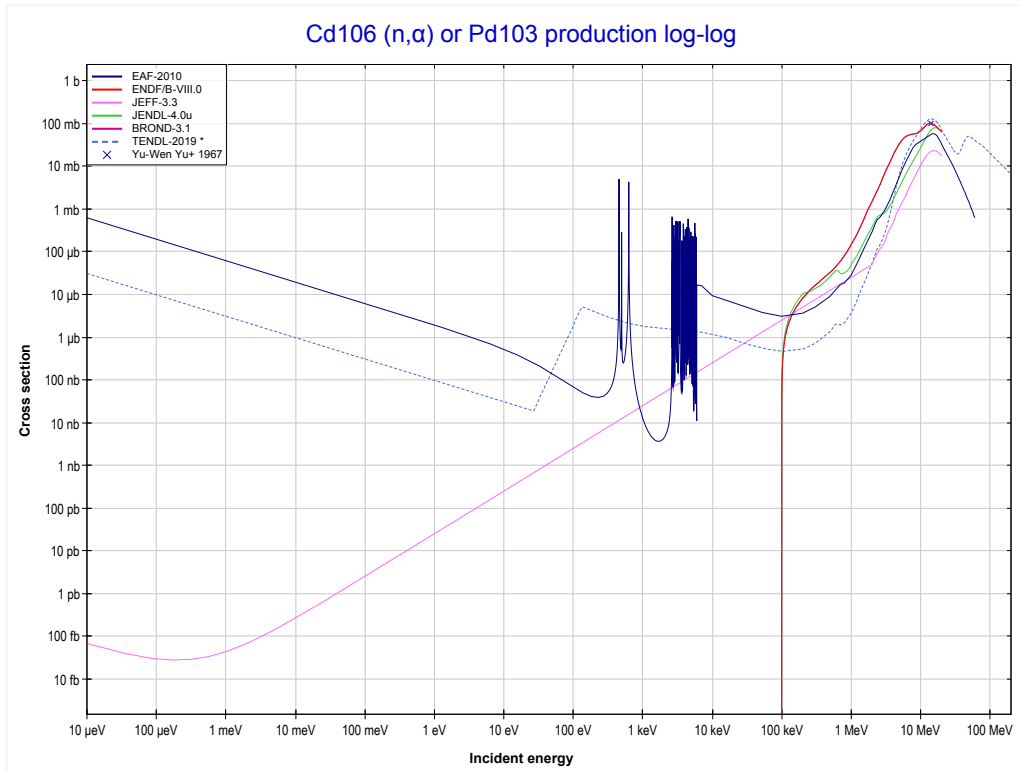
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13265E-6 b | 0.00231586 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.60167E-6 b | 0.0046 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.10807E-6 b | 0.008471 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13265E-6 b | 0.00231586 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.47536E-7 b | 0.00214973 b |

| | | |
|----------------|--|-------------------------|
| << 46-Pd-102 | 48-Cd-106 | 48-Cd-114 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Ag104 production) | MT107 (n, α) >> |



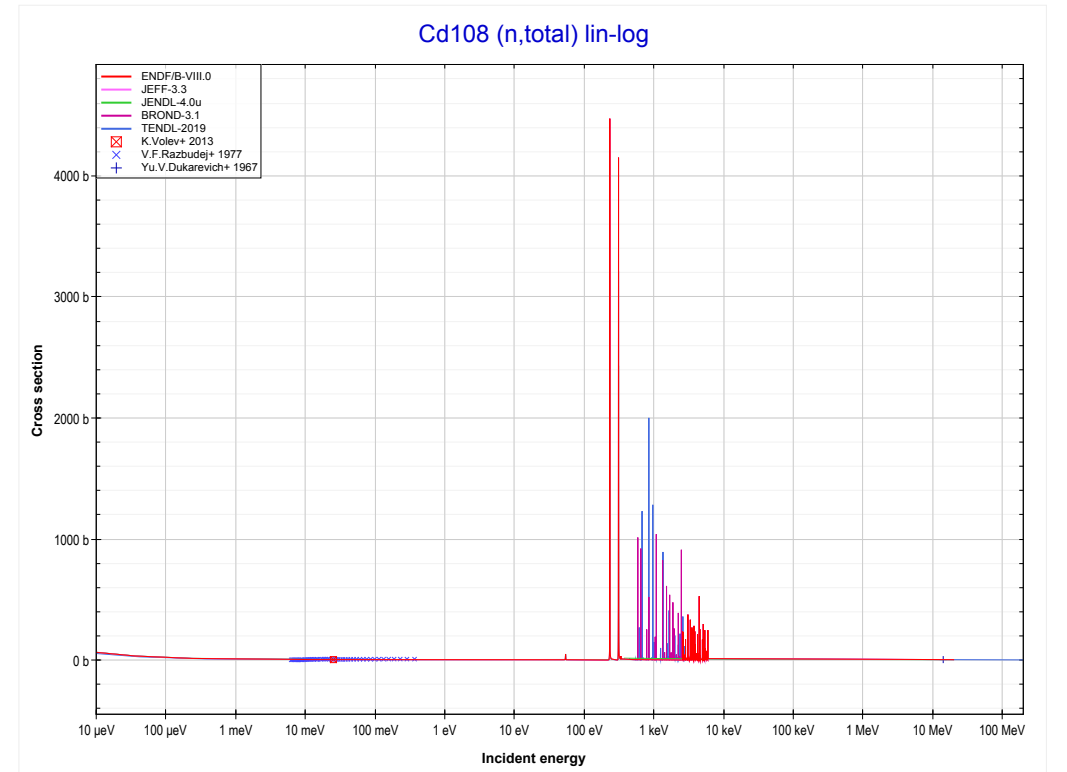
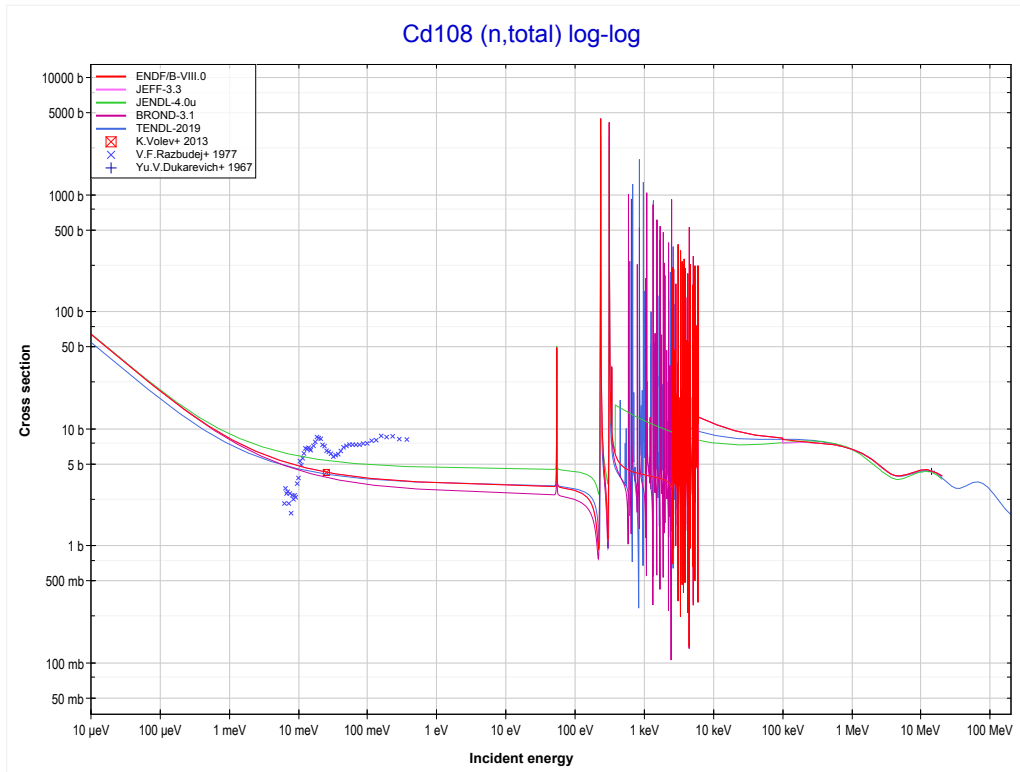
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.57263E-8 b | 5.06778E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.72571E-9 b | 4.8E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.78008E-8 b | 1.283E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.57263E-8 b | 5.06778E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.98425E-9 b | 4.96241E-7 b |

| | | |
|----------------|--|----------------------------|
| << 47-Ag-109 | 48-Cd-106 | 48-Cd-109 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Pd103 production) | 48-Cd-108 MT1 (n,total) >> |



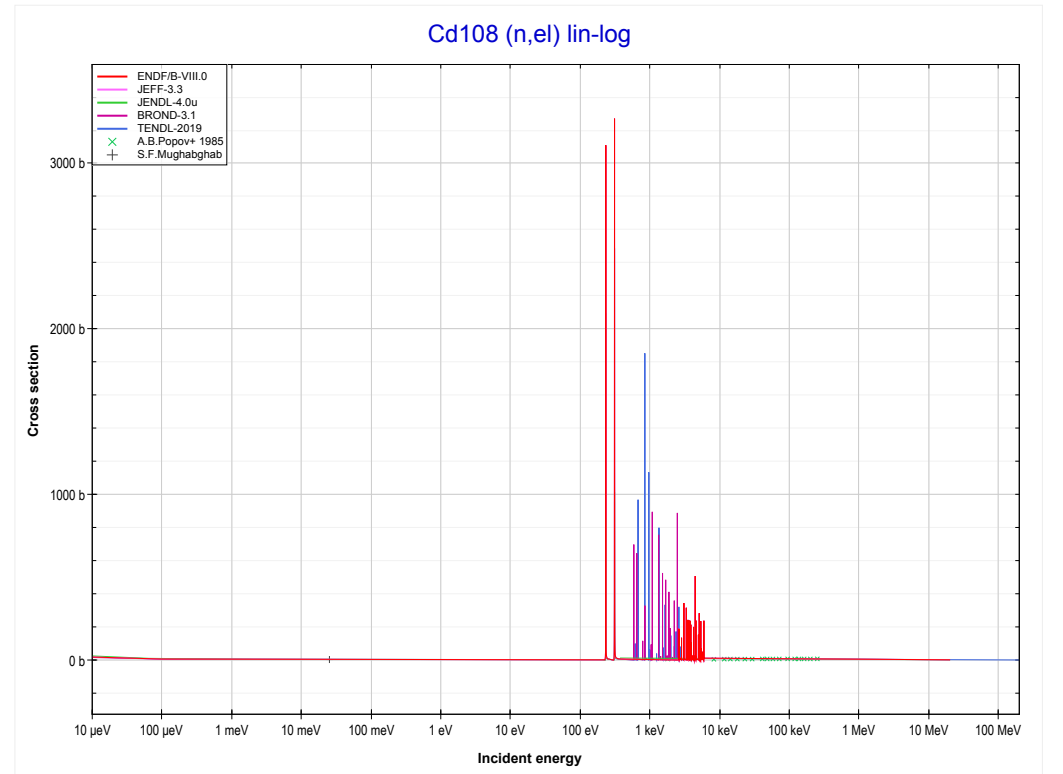
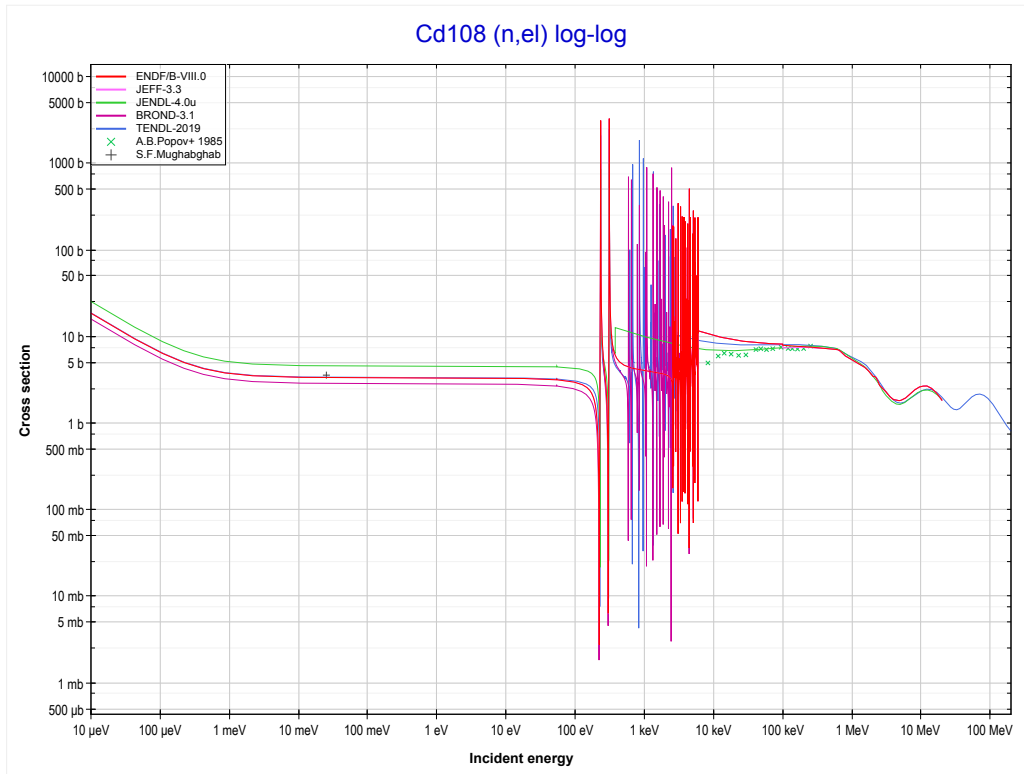
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.233E-5 b | 1.2321E-5 b | 1.2319E-5 b | 0.99986 | 7.1043E-5 b | 0.0014456 b | 0.0553311 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.66297E-17 b | 0.00620662 b | 0.102004 b |
| JEFF-3.3 | 6.50364E-13 b | 6.50364E-13 b | 1.4476E-12 b | 2.22577 | 2.49999E-6 b | 2.88602E-4 b | 0.0222 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.36193E-4 b | 0.06988 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.66298E-17 b | 0.00620662 b | 0.102004 b |
| TENDL-2019 | 6.14778E-7 b | 6.14778E-7 b | 6.1448E-7 b | 0.99952 | 1.29007E-5 b | 0.00171767 b | 0.129317 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 48-Cd-106 | 48-Cd-108 | 48-Cd-110 >> |
| << 48-Cd-106 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



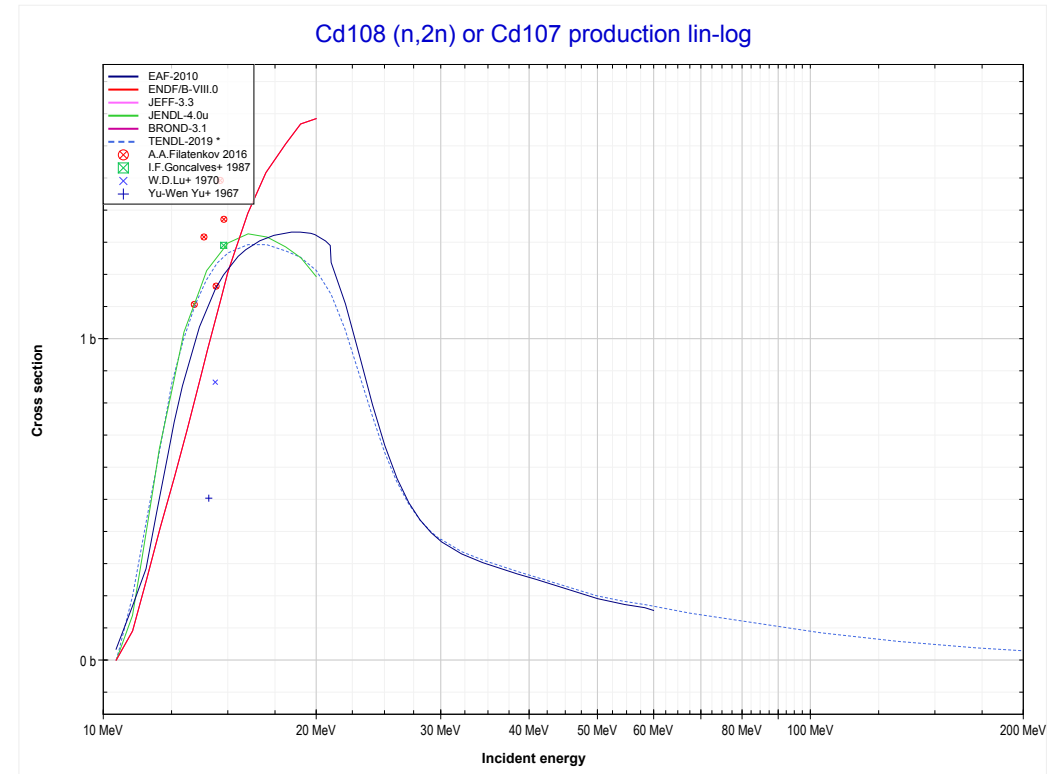
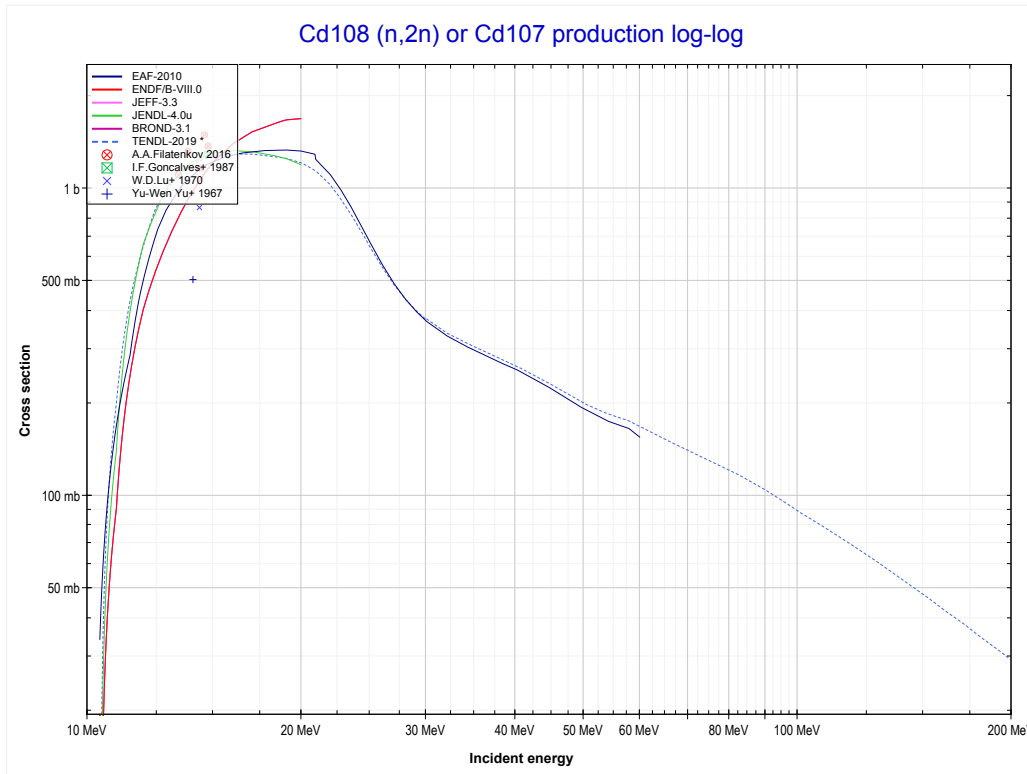
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.25193 b | 4.25193 b | 4.6808 b | 1.10087 | 117.674 b | 5.8587 b | 4.38095 b |
| JEFF-3.3 | 4.25193 b | 4.25193 b | 4.6808 b | 1.10087 | 117.675 b | 5.84924 b | 4.38095 b |
| JENDL-4.0u | 5.35493 b | 5.35493 b | 5.9417 b | 1.10957 | 111.649 b | 5.68242 b | 4.27349 b |
| BROND-3.1 | 3.83623 b | 3.83623 b | 4.2036 b | 1.09577 | 133.1 b | 5.84997 b | 4.38095 b |
| TENDL-2019 | 4.09206 b | 4.09206 b | 4.5246 b | 1.1057 | 113.89 b | 5.87223 b | 4.39185 b |

| | | |
|------------------|------------------------|----------------|
| << 48-Cd-106 | 48-Cd-108 | 48-Cd-110 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



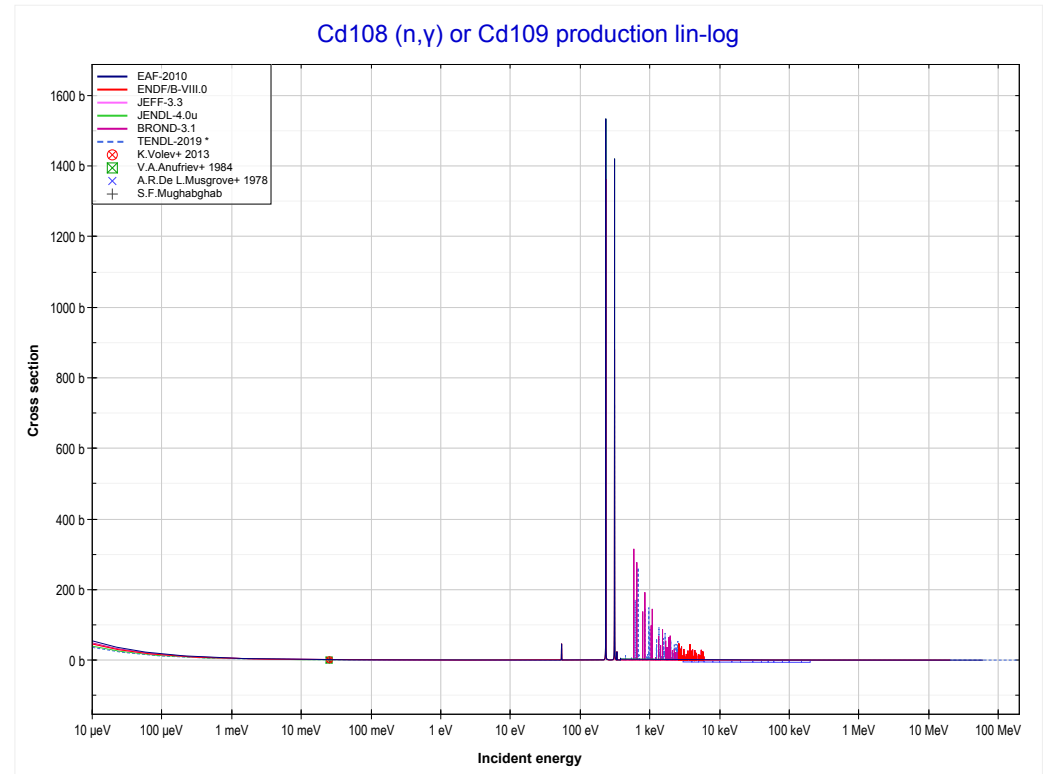
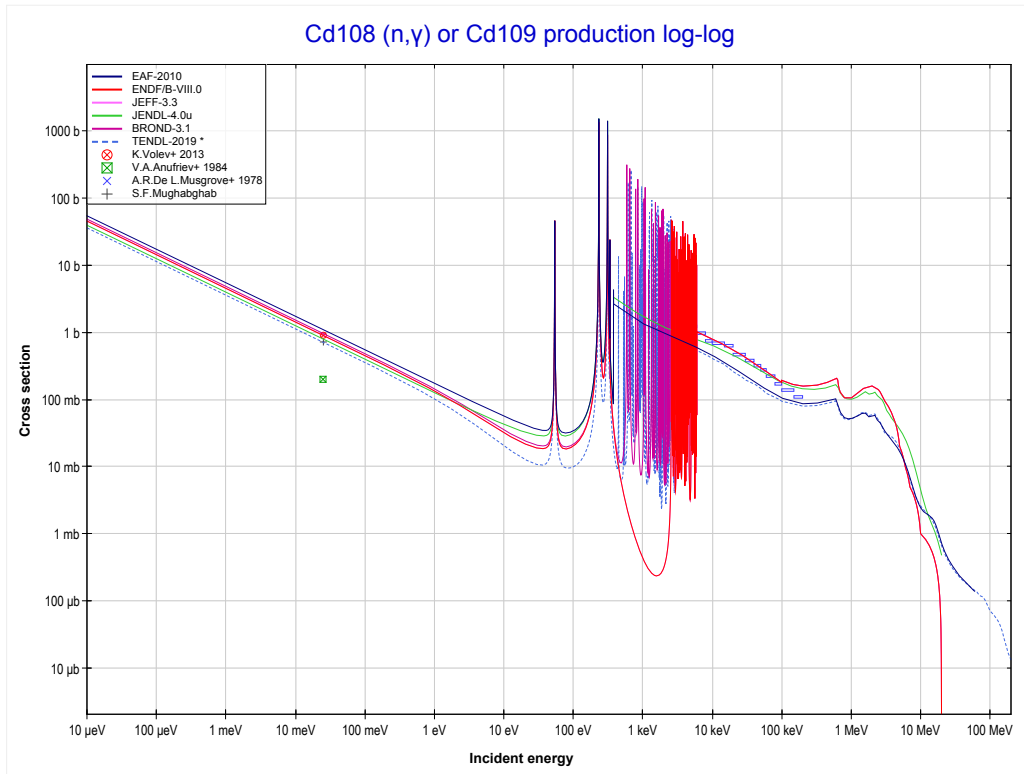
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.34608 b | 3.34608 b | 3.7755 b | 1.12833 | 101.307 b | 4.42685 b | 2.536 b |
| JEFF-3.3 | 3.34608 b | 3.34608 b | 3.7755 b | 1.12833 | 101.307 b | 4.41739 b | 2.536 b |
| JENDL-4.0u | 4.56821 b | 4.56821 b | 5.1546 b | 1.12836 | 86.8247 b | 4.43667 b | 2.353 b |
| BROND-3.1 | 2.86687 b | 2.86687 b | 3.2347 b | 1.12832 | 112.798 b | 4.41806 b | 2.536 b |
| TENDL-2019 | 3.37606 b | 3.37606 b | 3.8095 b | 1.1284 | 99.2165 b | 4.62259 b | 2.44267 b |

| | | |
|--------------------|--|-------------------------|
| << 48-Cd-106 | 48-Cd-108 | 48-Cd-110 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd107 production) | MT102 (n, γ) >> |



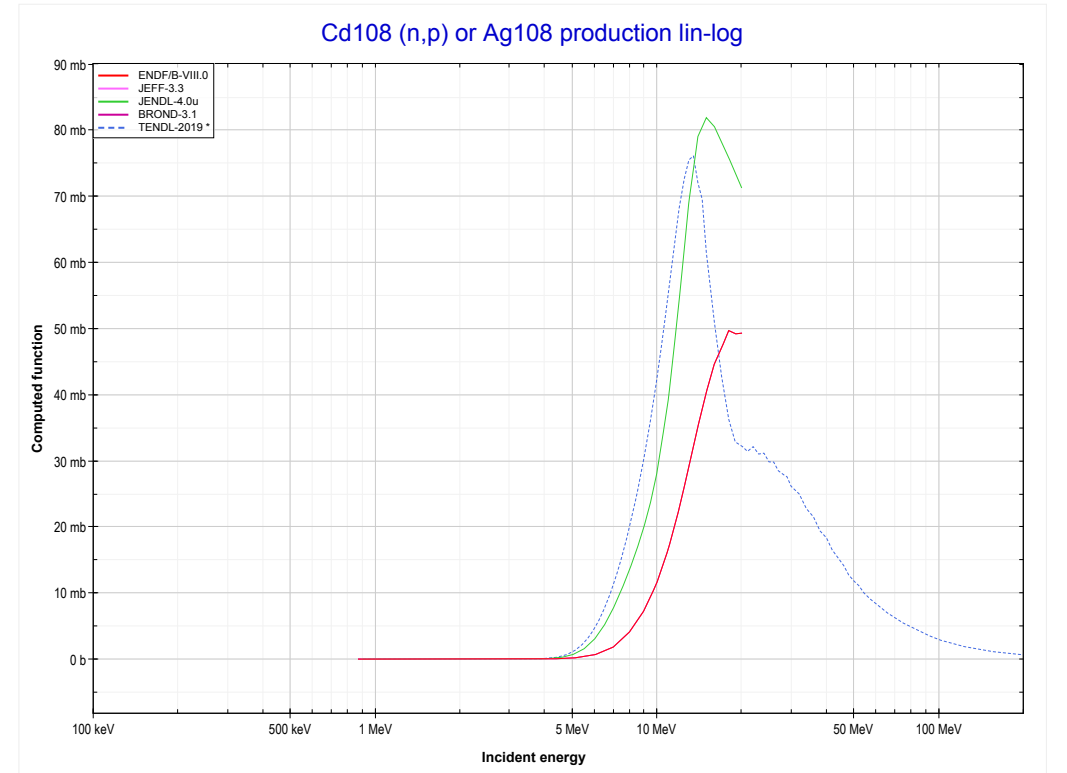
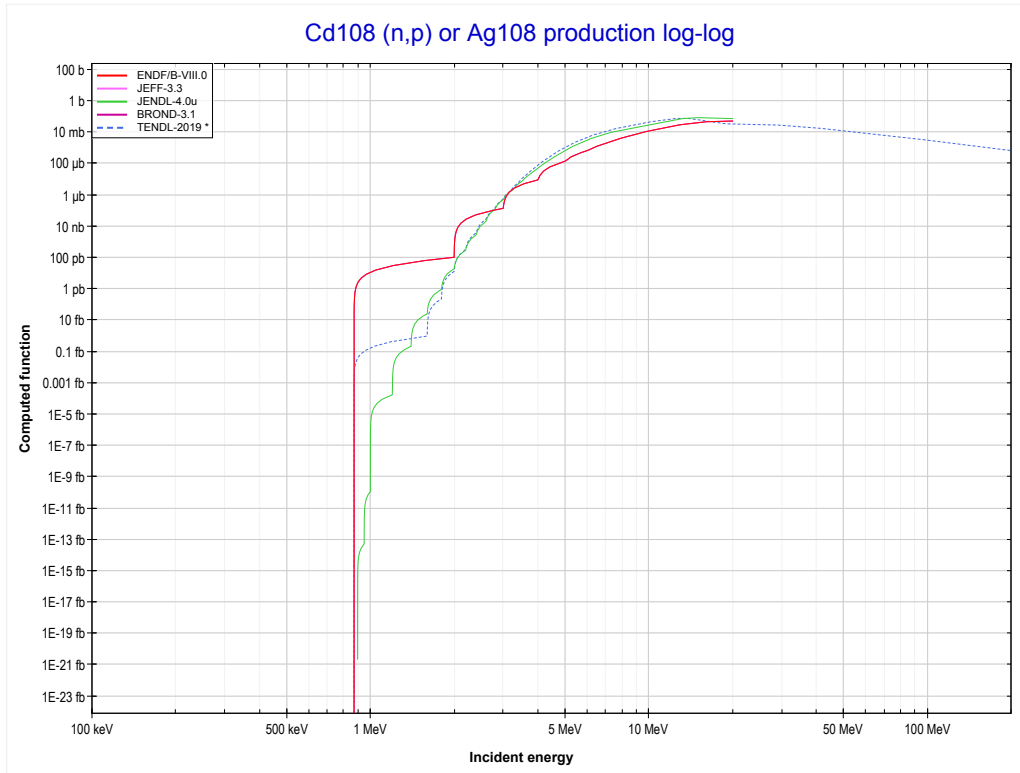
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.06057E-4 b | 1.08932 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.0524E-4 b | 0.9556 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.0524E-4 b | 0.9556 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.01358E-4 b | 1.212 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.0524E-4 b | 0.9556 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.27549E-4 b | 1.18475 b |

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|----------------|--|----------------|
| << 48-Cd-106 | 48-Cd-108 | 48-Cd-109 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cd109 production) | MT103 (n,p) >> |



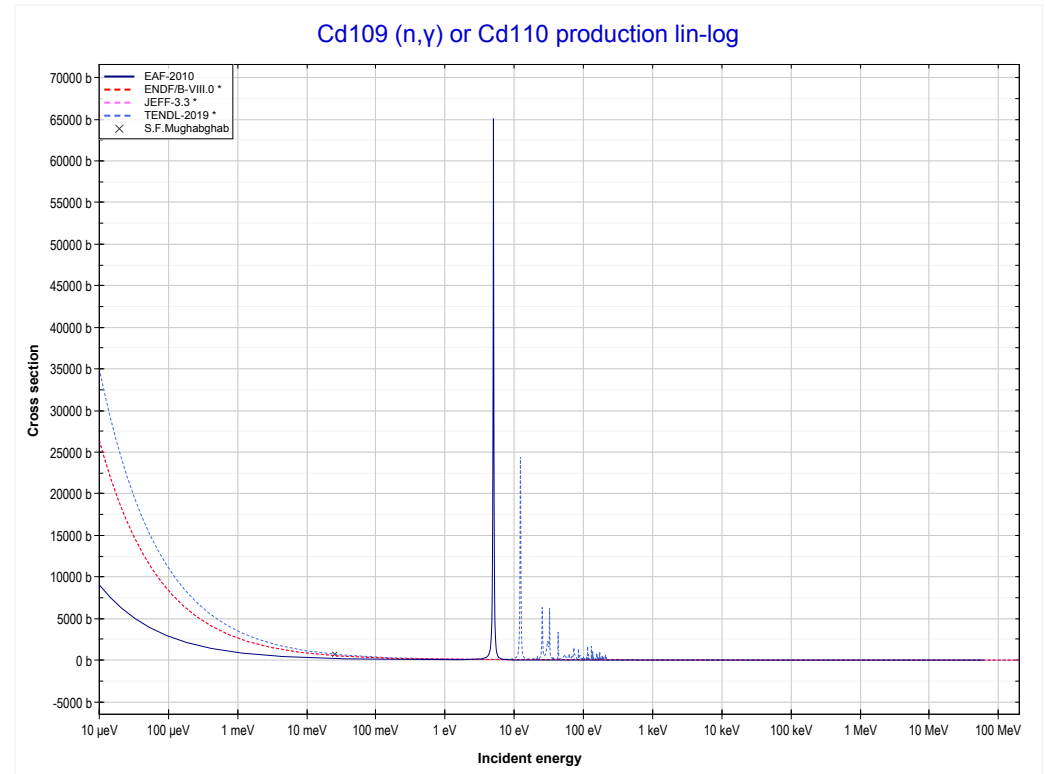
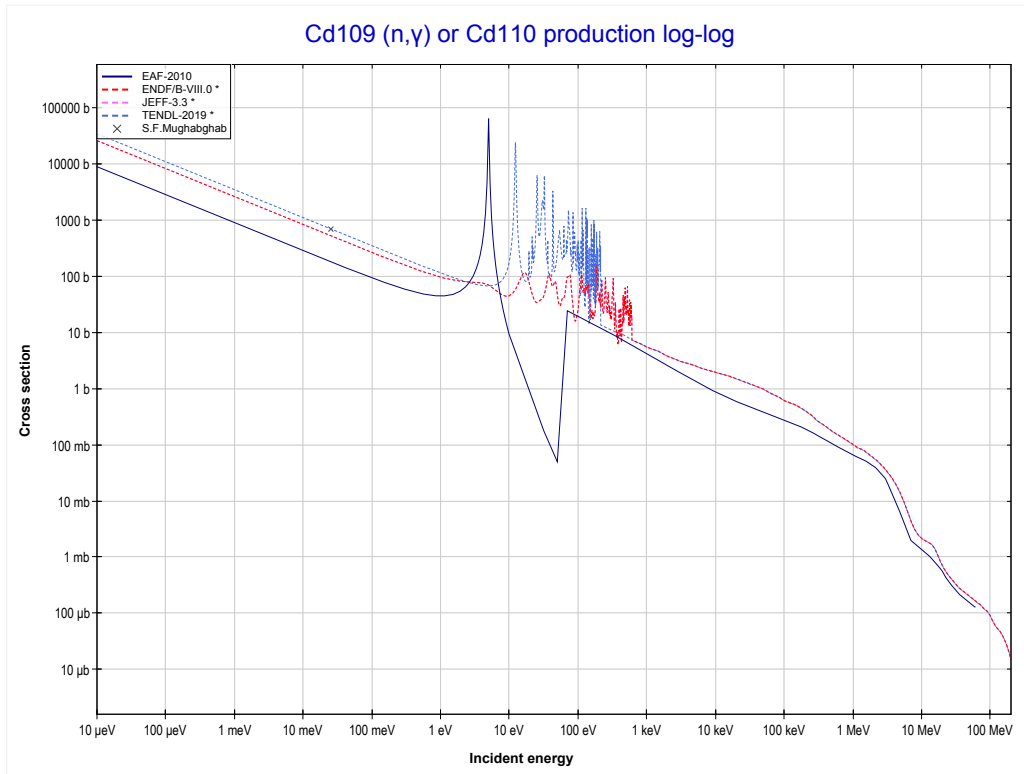
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.0878 b | 1.08706 b | 1.0893 b | 1.00214 | 23.6402 b | 0.0559935 b | 0.00179788 b |
| ENDF/B-VIII.0 | 0.905845 b | 0.905845 b | 0.90535 b | 0.99945 | 16.3675 b | 0.124936 b | 6E-4 b |
| JEFF-3.3 | 0.905845 b | 0.905845 b | 0.90535 b | 0.99945 | 16.3675 b | 0.124936 b | 6E-4 b |
| JENDL-4.0u | 0.786723 b | 0.786723 b | 0.7871 b | 1.00048 | 24.8248 b | 0.108745 b | 0.001511 b |
| BROND-3.1 | 0.969357 b | 0.969357 b | 0.96889 b | 0.99952 | 20.3014 b | 0.125001 b | 6E-4 b |
| TENDL-2019 | 0.715992 b | 0.715992 b | 0.71503 b | 0.99866 | 14.669 b | 0.0552441 b | 0.00171822 b |

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|-------------------------|--|-----------------------------------|
| << 48-Cd-106 | 48-Cd-108 | 48-Cd-110 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag108 production) | 48-Cd-109 MT102 (n, γ) >> |



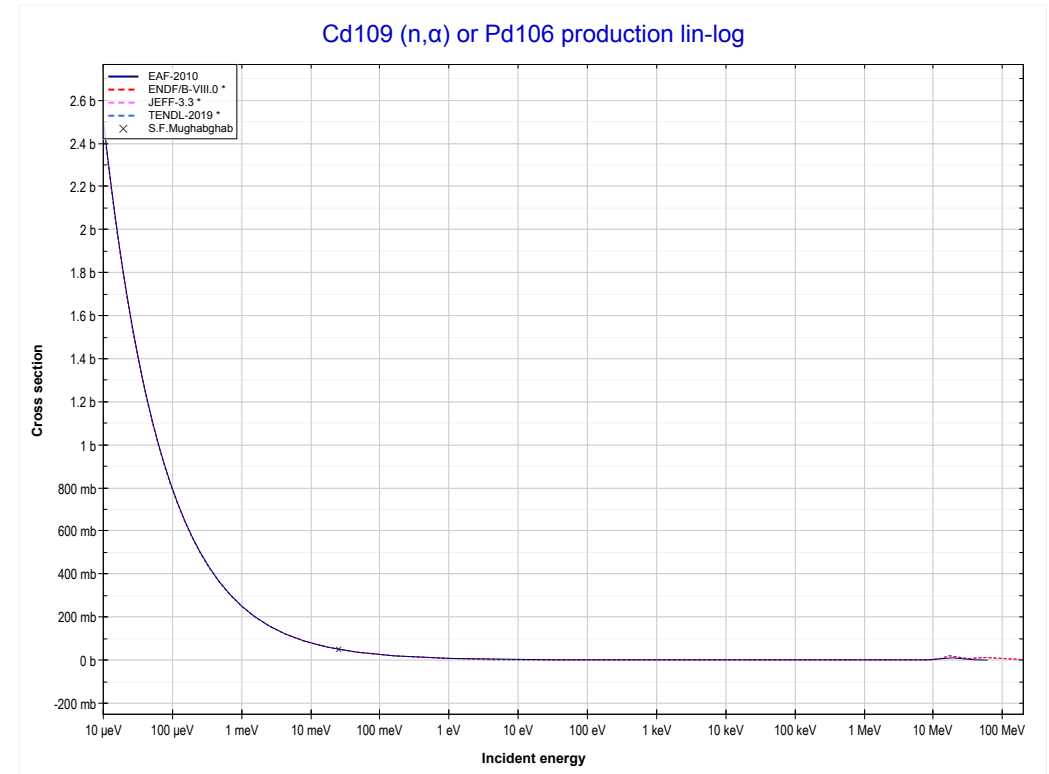
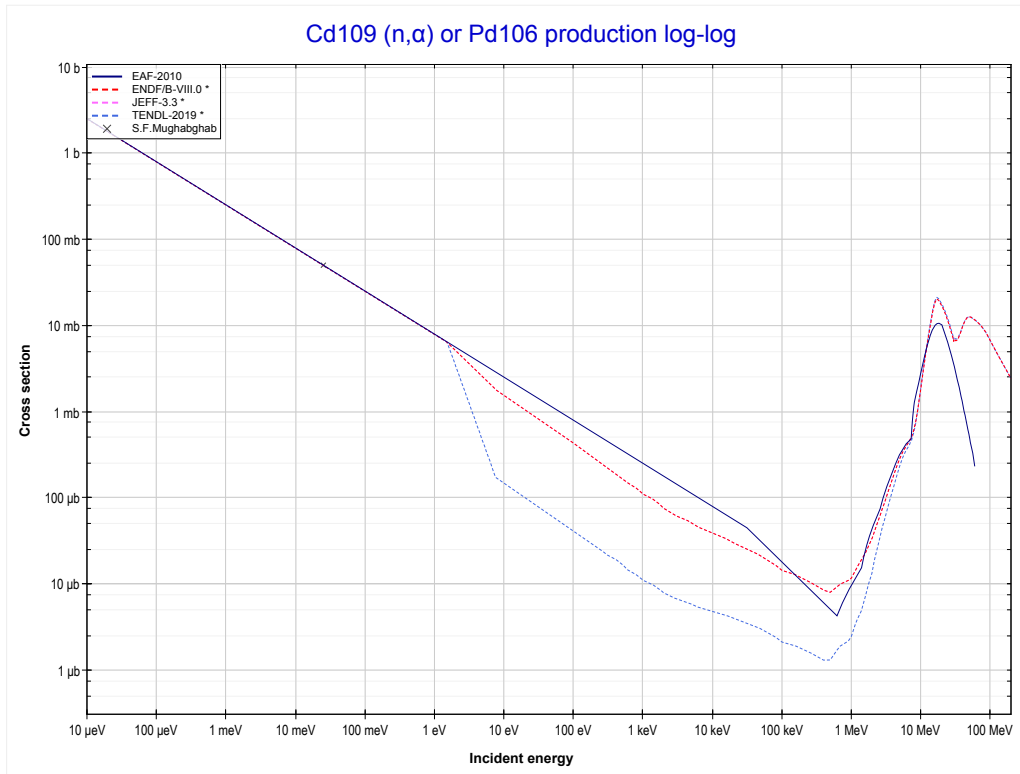
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31633E-4 b | 0.0352 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31633E-4 b | 0.0352 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.11179E-4 b | 0.07905 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31633E-4 b | 0.0352 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.95887E-4 b | 0.0720595 b |

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|--------------------------|--|-------------------------|
| << 48-Cd-108 | 48-Cd-109 | 48-Cd-110 >> |
| << 48-Cd-108 MT103 (n,p) | MT102 (n,γ) or MT5 (Cd110 production) | MT107 (n, α) >> |



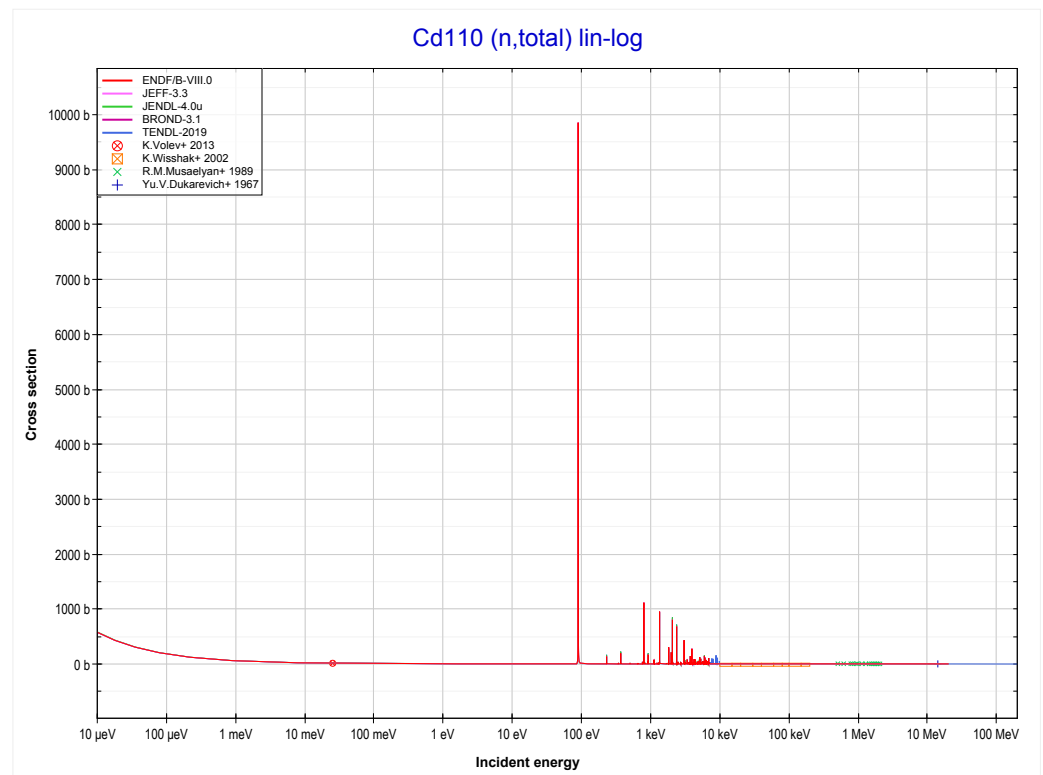
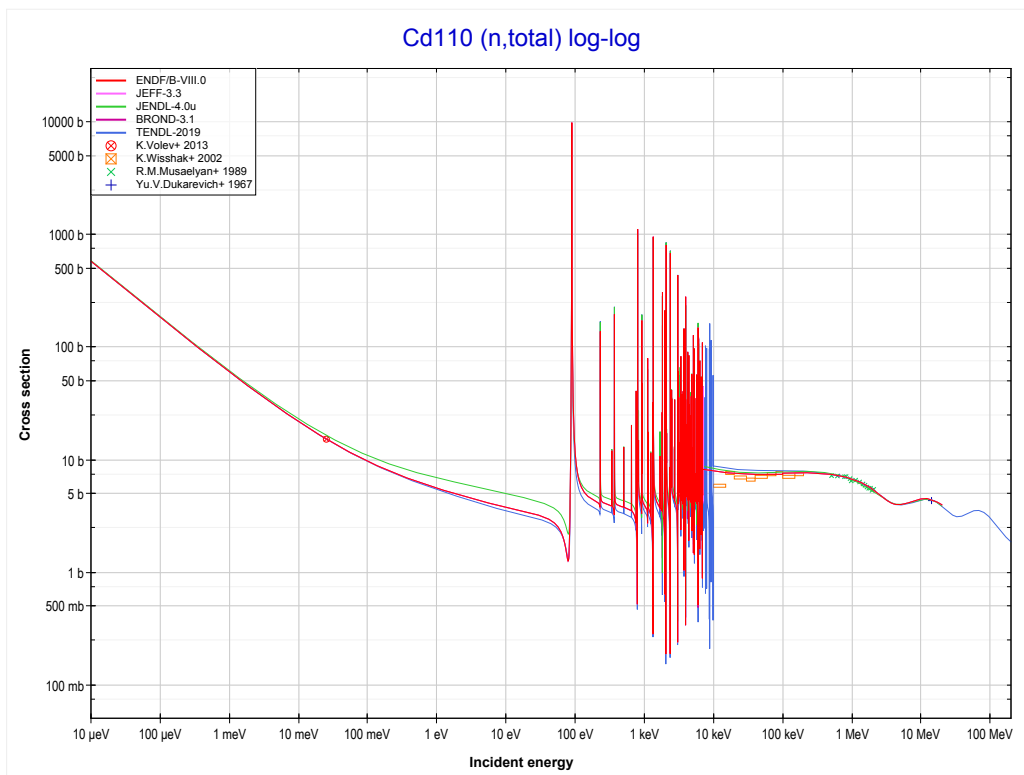
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 181.991 b | 181.856 b | 182.95 b | 1.00601 | 2929.65 b | 0.0633008 b | 9.5E-4 b |
| ENDF/B-VIII.0 | 526.799 b | 526.799 b | 527.91 b | 1.00211 | 474.354 b | 0.110872 b | 0.00168994 b |
| JEFF-3.3 | 526.799 b | 526.799 b | 527.91 b | 1.00211 | 474.354 b | 0.110872 b | 0.00168994 b |
| TENDL-2019 | 697.198 b | 697.198 b | 697.55 b | 1.0005 | 2611.46 b | 0.10952 b | 0.00168829 b |

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| << 48-Cd-106 | 48-Cd-109 | 48-Cd-110 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Pd106 production) | 48-Cd-110 MT1 (n,total) >> |



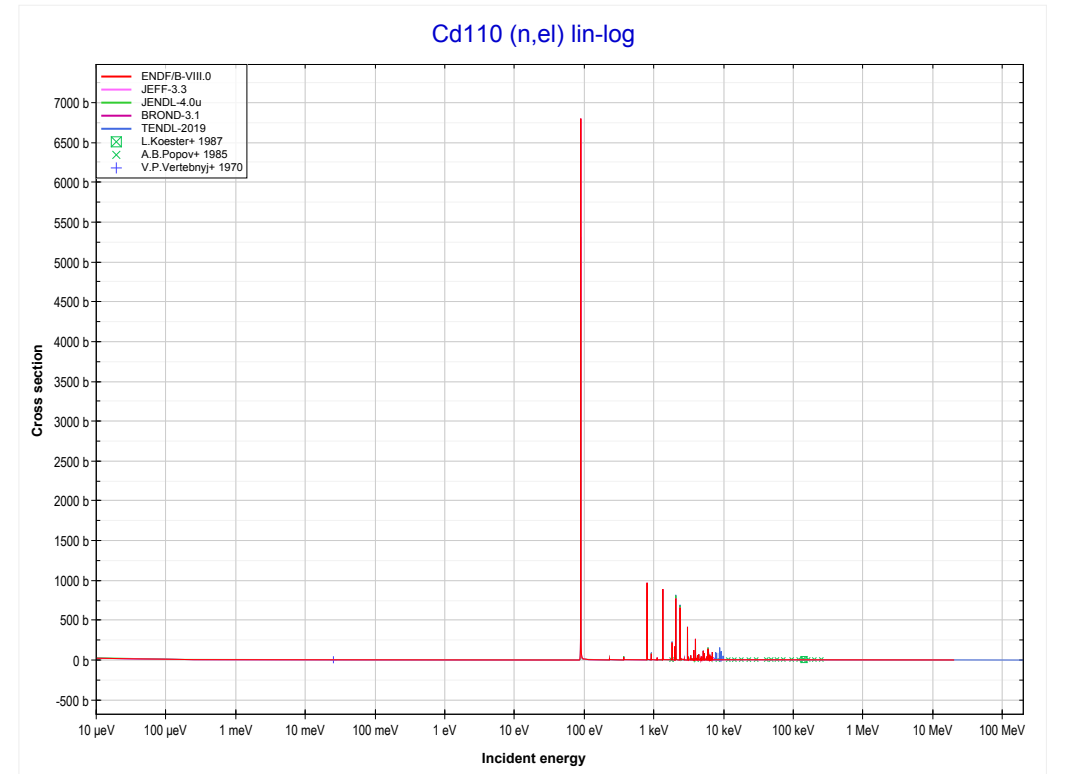
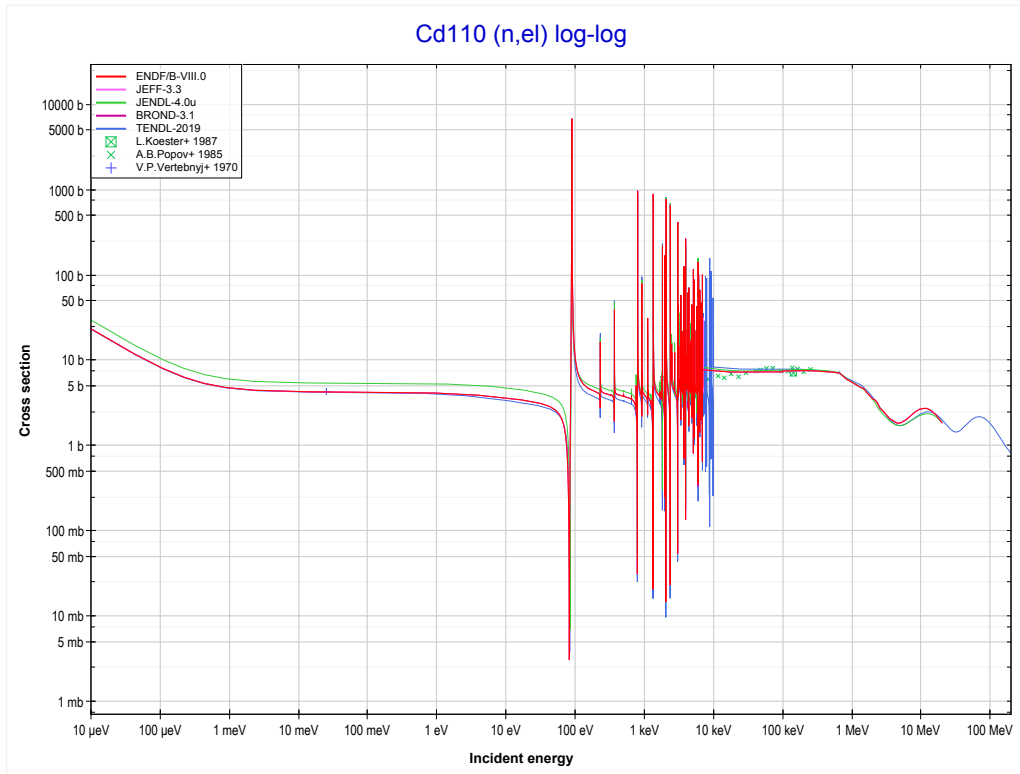
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.05 b | 0.0499625 b | 0.049963 b | 1.00001 | 0.0224424 b | 9.21311E-5 b | 0.0079388 b |
| ENDF/B-VIII.0 | 0.0497719 b | 0.0497719 b | 0.049759 b | 0.99973 | 0.0186564 b | 7.82375E-5 b | 0.0107211 b |
| JEFF-3.3 | 0.0497719 b | 0.0497719 b | 0.049759 b | 0.99973 | 0.0186564 b | 7.82375E-5 b | 0.0107211 b |
| TENDL-2019 | 0.0497971 b | 0.0497971 b | 0.04976 b | 0.99926 | 0.0126748 b | 5.80352E-5 b | 0.0113144 b |

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|-----------------------------------|----------------------|--------------------|
| << 48-Cd-108 | 48-Cd-110 | 48-Cd-111 >> |
| << 48-Cd-109 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



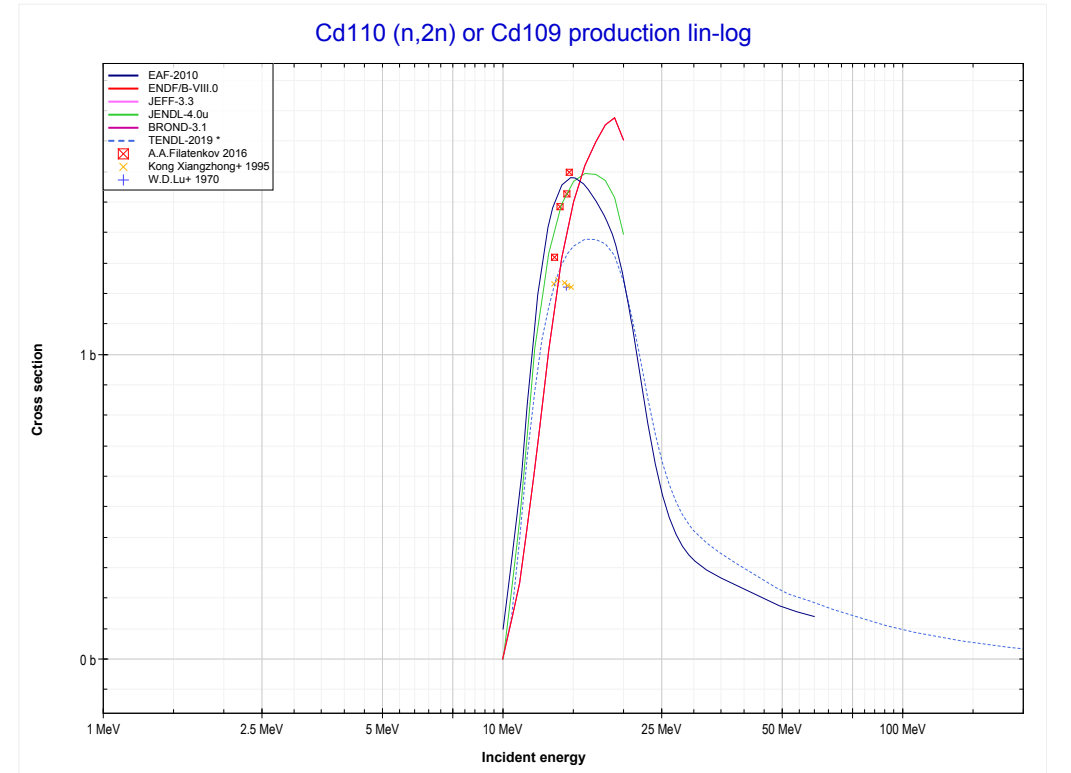
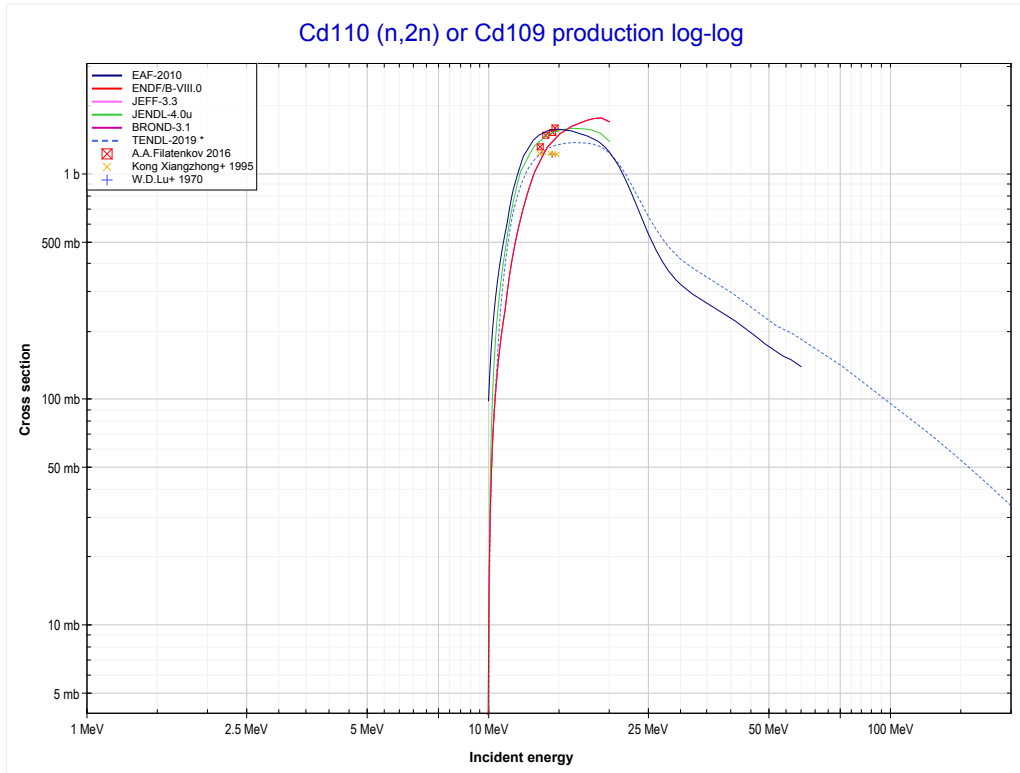
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.2543 b | 15.2543 b | 15.775 b | 1.03414 | 157.923 b | 5.86931 b | 4.42 b |
| JEFF-3.3 | 15.2543 b | 15.2543 b | 15.775 b | 1.03414 | 157.858 b | 5.86928 b | 4.42 b |
| JENDL-4.0u | 16.4501 b | 16.4501 b | 17.132 b | 1.04146 | 150.742 b | 5.81568 b | 4.39755 b |
| BROND-3.1 | 15.2426 b | 15.2426 b | 15.762 b | 1.03406 | 157.433 b | 5.86924 b | 4.42 b |
| TENDL-2019 | 15.2097 b | 15.2097 b | 15.712 b | 1.03305 | 139.054 b | 5.86677 b | 4.43362 b |

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| << 48-Cd-108 | 48-Cd-110 | 48-Cd-111 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



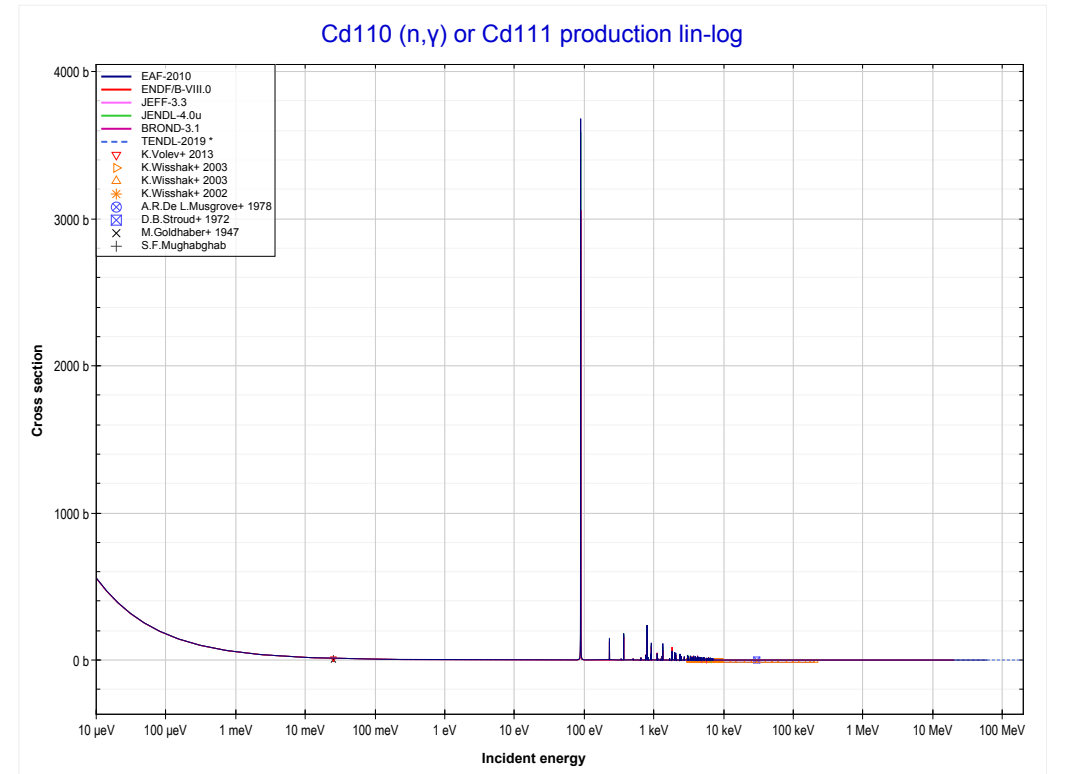
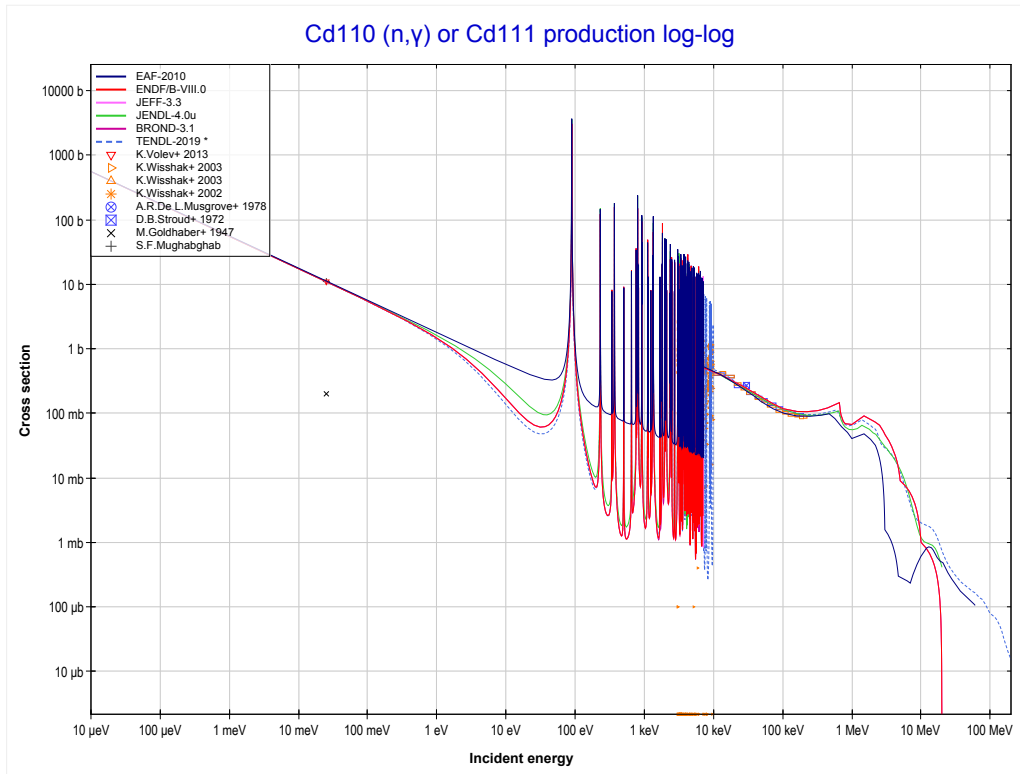
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.25411 b | 4.25411 b | 4.7968 b | 1.12757 | 124.876 b | 4.46922 b | 2.576 b |
| JEFF-3.3 | 4.25411 b | 4.25411 b | 4.7968 b | 1.12757 | 124.815 b | 4.46919 b | 2.576 b |
| JENDL-4.0u | 5.3942 b | 5.3942 b | 6.0841 b | 1.12789 | 111.841 b | 4.44359 b | 2.33 b |
| BROND-3.1 | 4.24197 b | 4.24197 b | 4.7831 b | 1.12756 | 124.479 b | 4.46916 b | 2.576 b |
| TENDL-2019 | 4.21052 b | 4.21052 b | 4.7461 b | 1.12719 | 108.034 b | 4.5746 b | 2.47164 b |

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|--------------------|--|-------------------------|
| << 48-Cd-108 | 48-Cd-110 | 48-Cd-112 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd109 production) | MT102 (n, γ) >> |



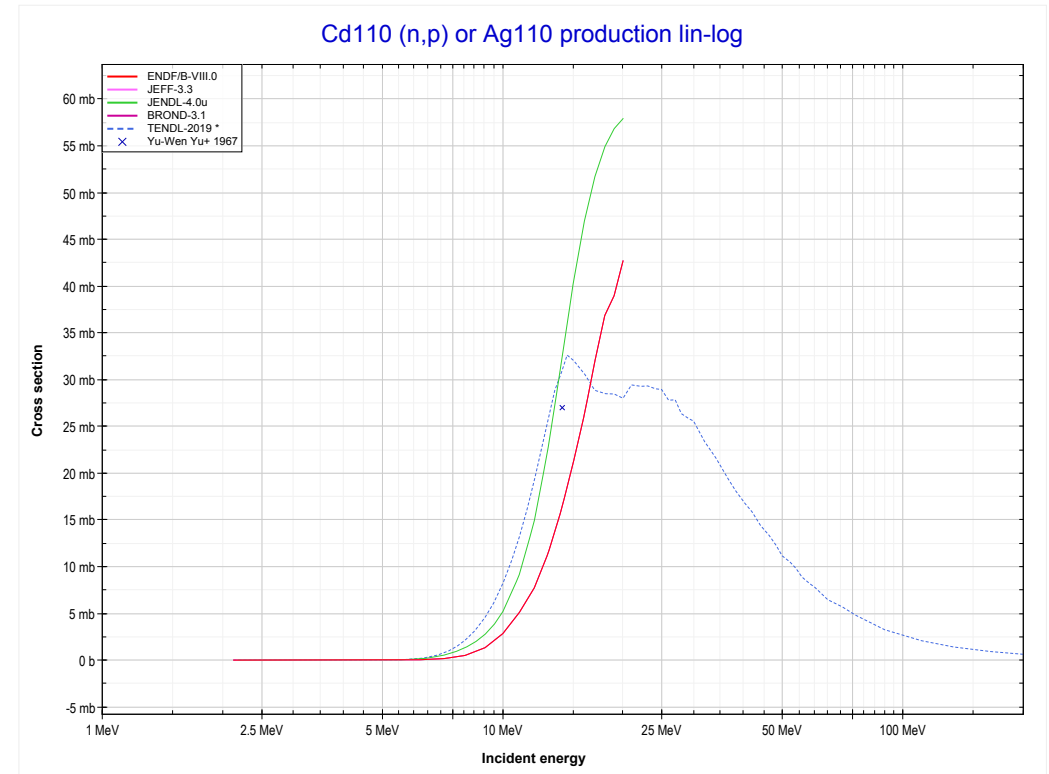
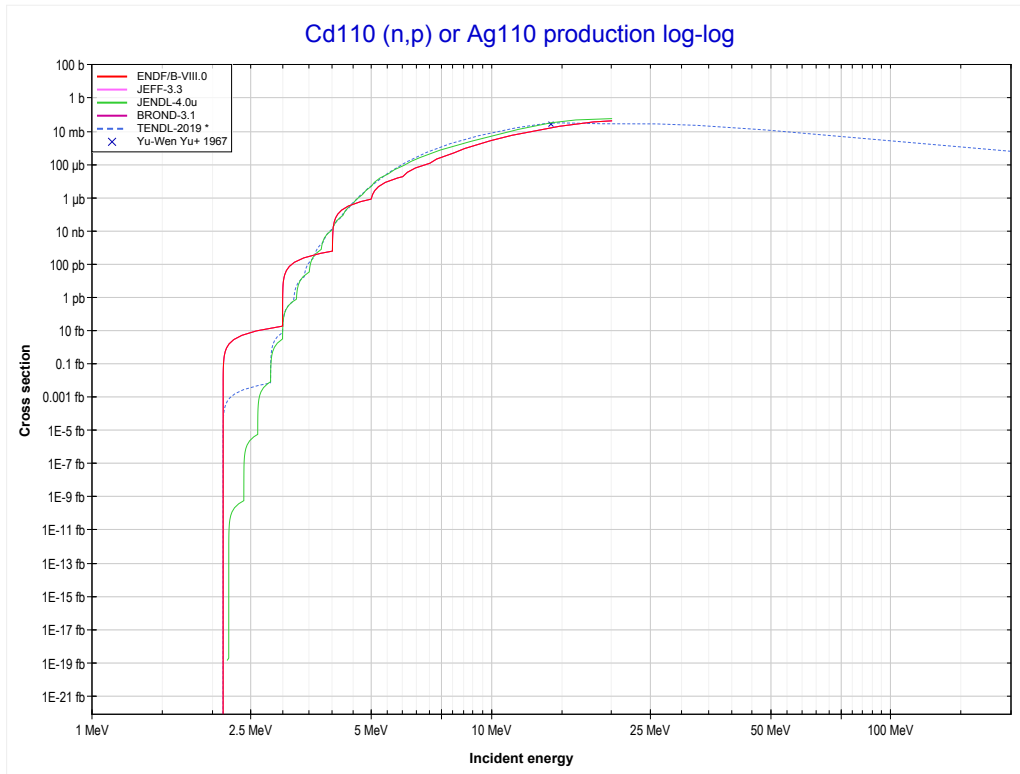
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130663 b | 1.55351 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.34763E-4 b | 1.3134 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.34763E-4 b | 1.3134 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00118937 b | 1.493 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.34763E-4 b | 1.3134 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0010149 b | 1.29445 b |

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|----------------|--|----------------|
| << 48-Cd-109 | 48-Cd-110 | 48-Cd-111 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cd111 production) | MT103 (n,p) >> |



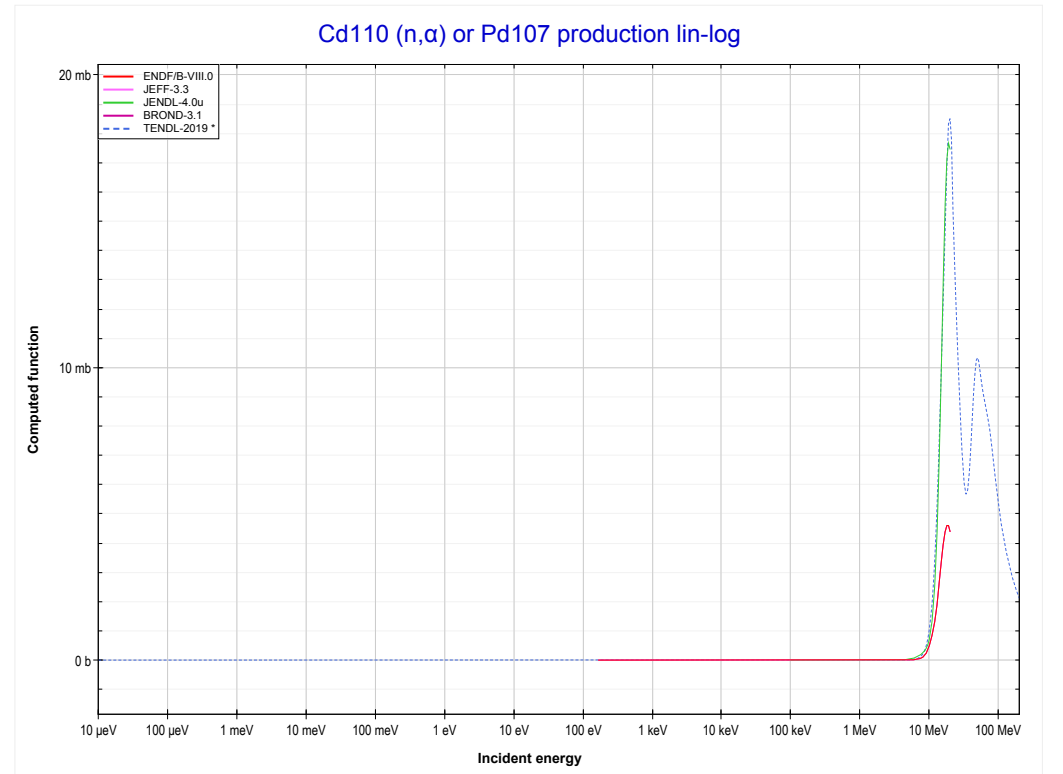
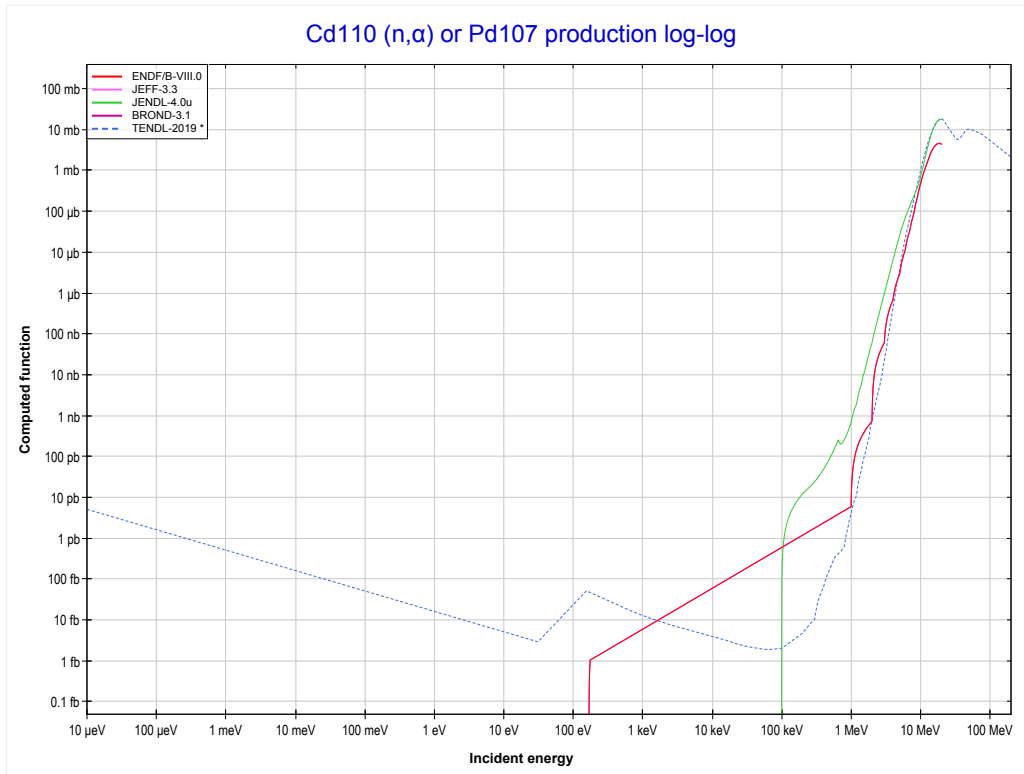
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.1143 b | 11.106 b | 11.103 b | 0.99975 | 41.973 b | 0.0414765 b | 8.34E-4 b |
| ENDF/B-VIII.0 | 11.0002 b | 11.0002 b | 10.978 b | 0.99801 | 33.0464 b | 0.0738893 b | 6E-4 b |
| JEFF-3.3 | 11.0002 b | 11.0002 b | 10.978 b | 0.99801 | 33.0426 b | 0.0738877 b | 6E-4 b |
| JENDL-4.0u | 11.0559 b | 11.0559 b | 11.048 b | 0.99929 | 38.9008 b | 0.0564506 b | 9.292E-4 b |
| BROND-3.1 | 11.0007 b | 11.0007 b | 10.979 b | 0.99801 | 32.9545 b | 0.0738792 b | 6E-4 b |
| TENDL-2019 | 10.9992 b | 10.9992 b | 10.966 b | 0.99702 | 31.0173 b | 0.061702 b | 0.00167589 b |

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|-------------------------|--|-------------------------|
| << 48-Cd-108 | 48-Cd-110 | 48-Cd-111 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag110 production) | MT107 (n, α) >> |



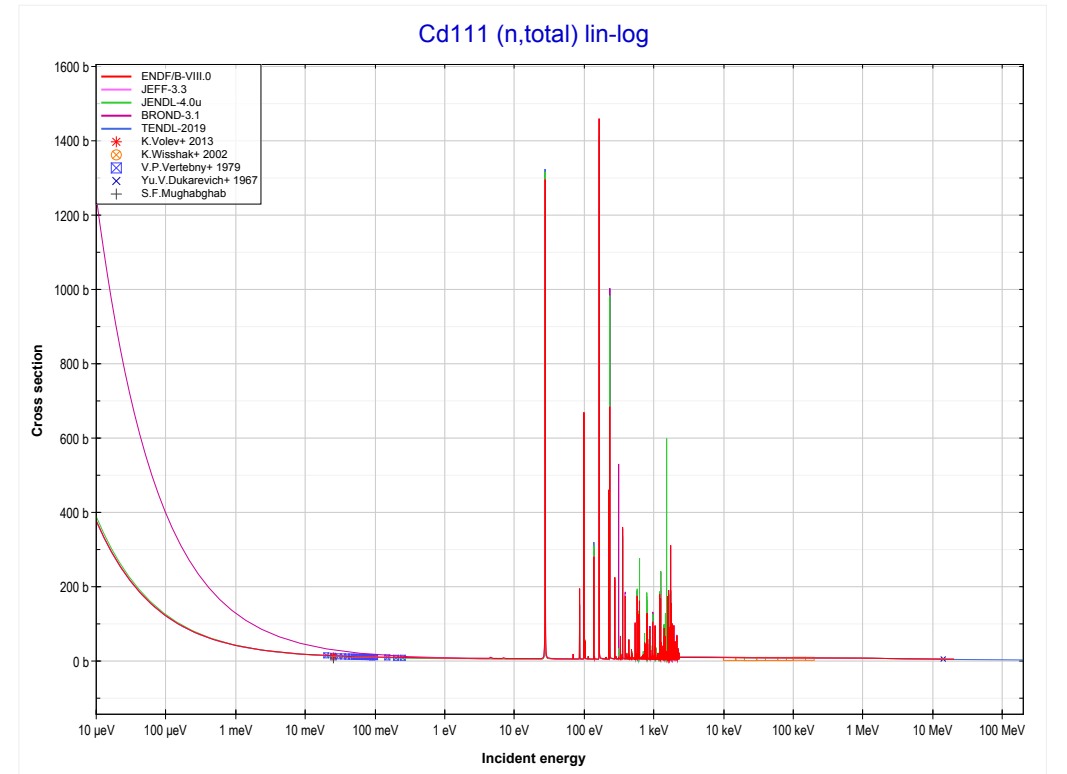
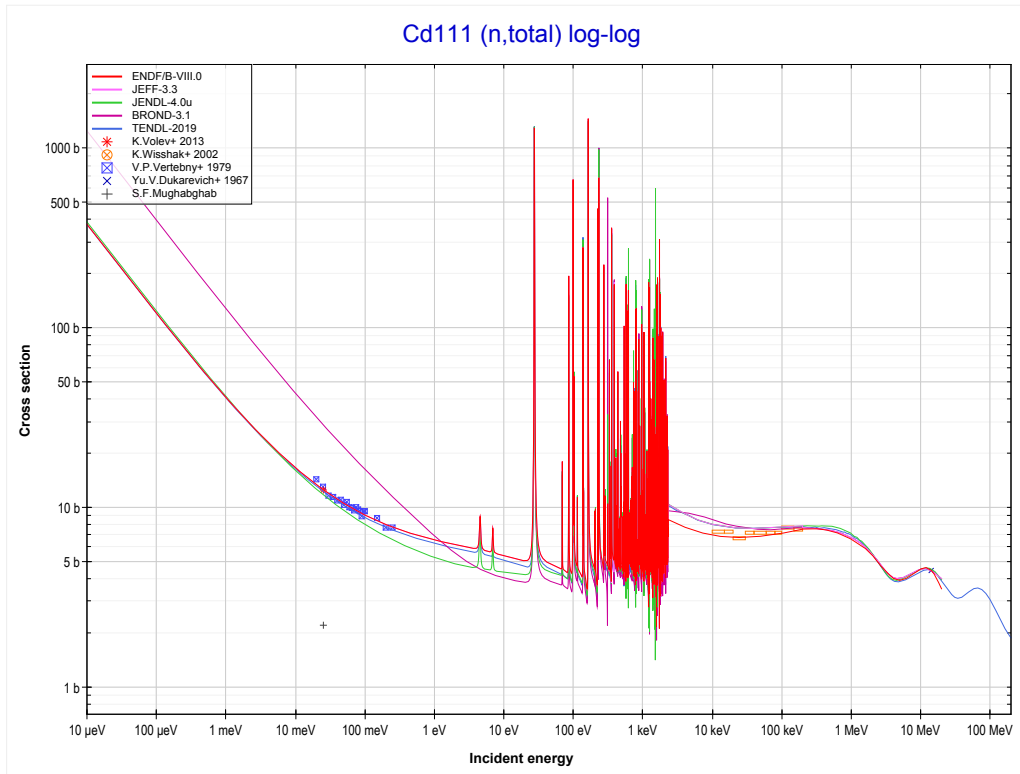
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38147E-5 b | 0.01596 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38147E-5 b | 0.01596 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.97936E-5 b | 0.03163 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38147E-5 b | 0.01596 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.86823E-5 b | 0.0306307 b |

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|----------------|--|----------------------------|
| << 48-Cd-109 | 48-Cd-110 | 48-Cd-112 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Pd107 production) | 48-Cd-111 MT1 (n,total) >> |



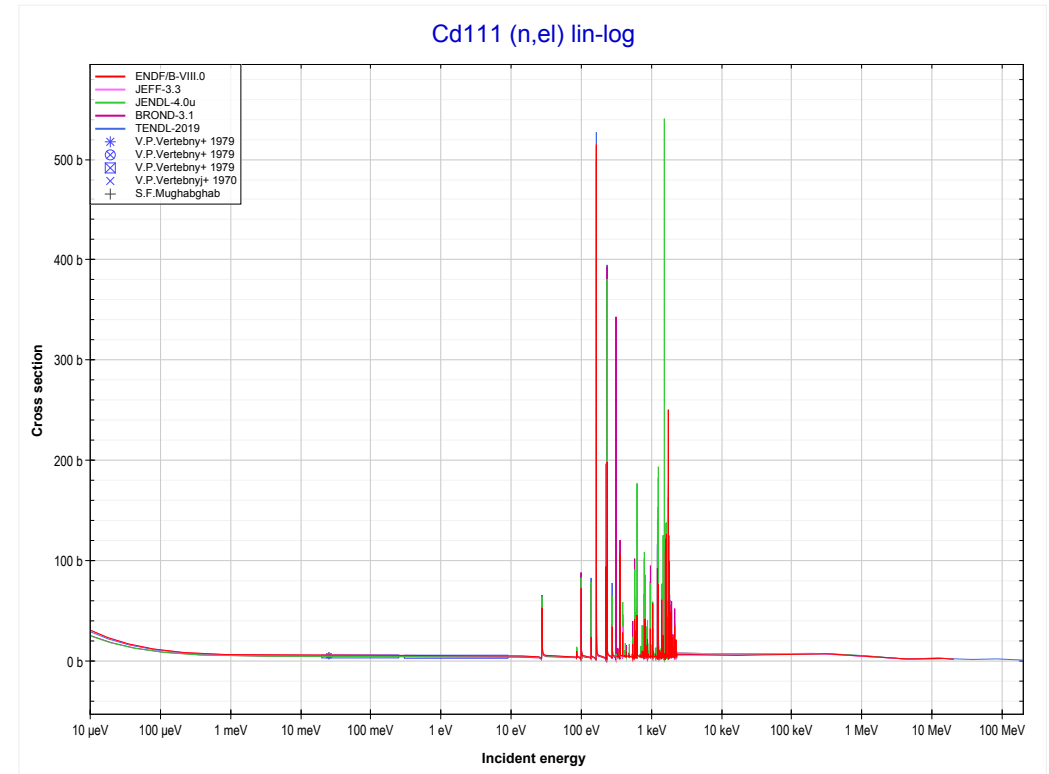
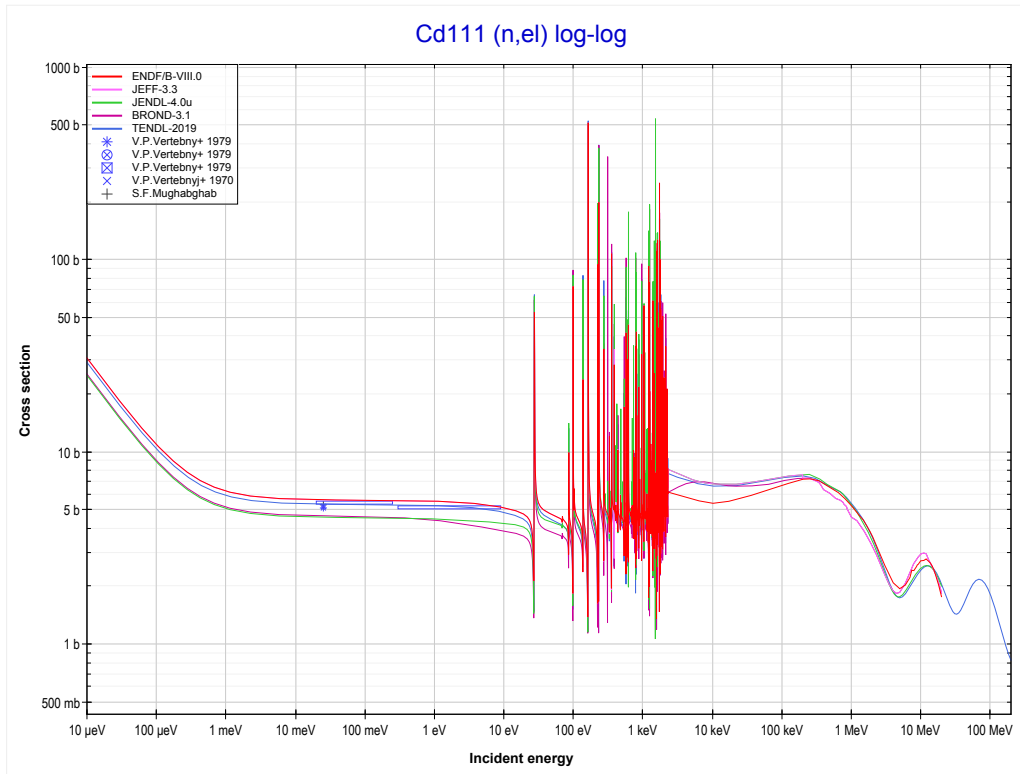
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.88986E-13 b | 4.57102E-6 b | 0.0027 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.88986E-13 b | 4.57102E-6 b | 0.0027 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.20381E-5 b | 0.006996 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.88986E-13 b | 4.57102E-6 b | 0.0027 b |
| TENDL-2019 | 1.0109E-13 b | 1.0109E-13 b | 1.0105E-13 b | 0.99959 | 1.39843E-13 b | 1.01375E-5 b | 0.00757844 b |

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|-----------------------------------|----------------------|--------------------|
| << 48-Cd-110 | 48-Cd-111 | 48-Cd-112 >> |
| << 48-Cd-110 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



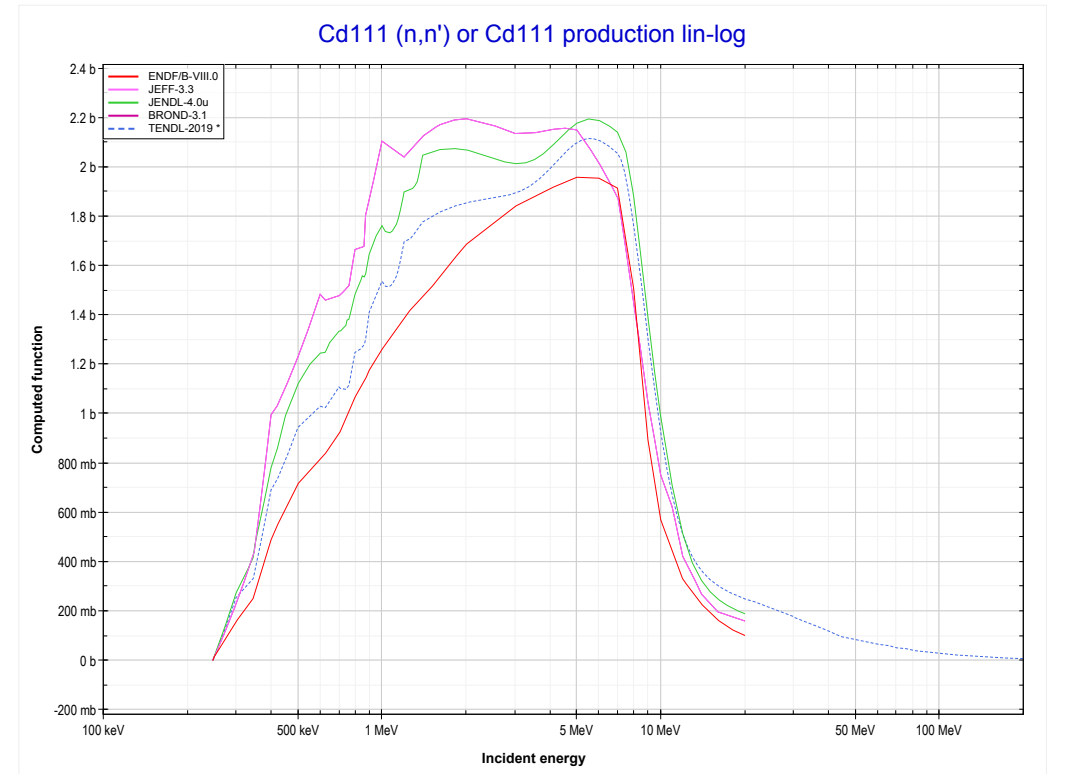
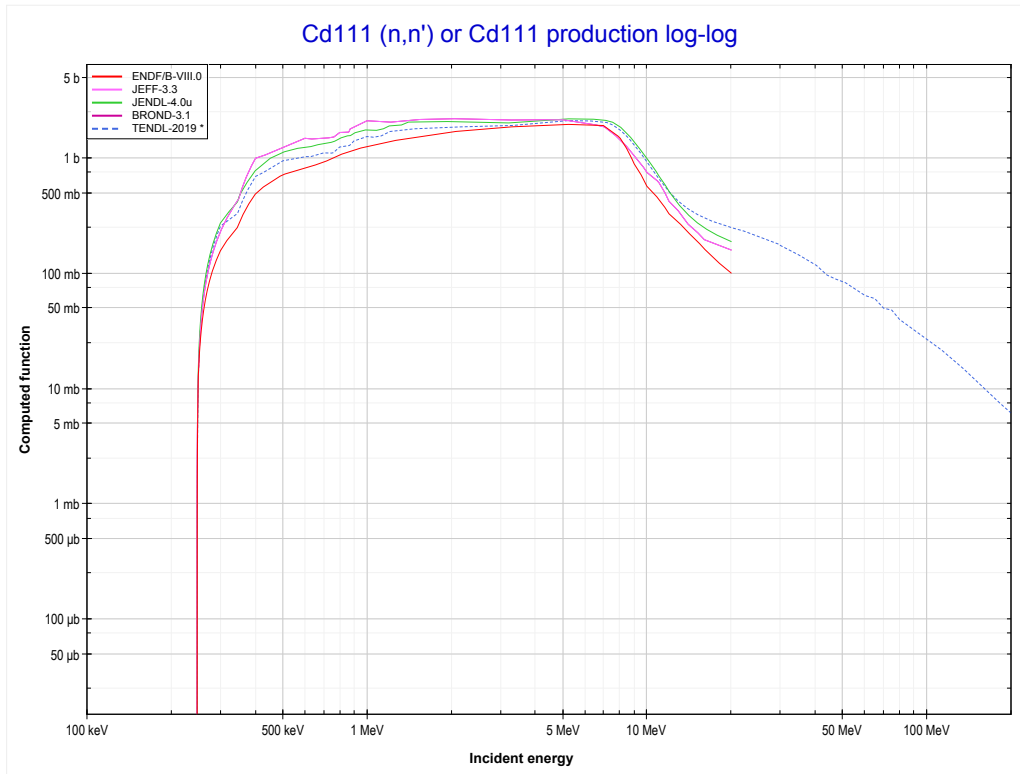
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.4886 b | 12.4886 b | 13.206 b | 1.05748 | 123.112 b | 5.78794 b | 4.48012 b |
| JEFF-3.3 | 12.4838 b | 12.4838 b | 13.2 b | 1.05741 | 126.998 b | 5.8973 b | 4.44 b |
| JENDL-4.0u | 11.6938 b | 11.6938 b | 12.241 b | 1.04676 | 122.489 b | 6.02564 b | 4.54232 b |
| BROND-3.1 | 28.6623 b | 28.6623 b | 29.118 b | 1.01589 | 120.933 b | 5.89177 b | 4.44 b |
| TENDL-2019 | 12.2096 b | 12.2096 b | 12.888 b | 1.05557 | 122.789 b | 5.92585 b | 4.46778 b |

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|------------------|------------------------|---------------|
| << 48-Cd-110 | 48-Cd-111 | 48-Cd-112 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



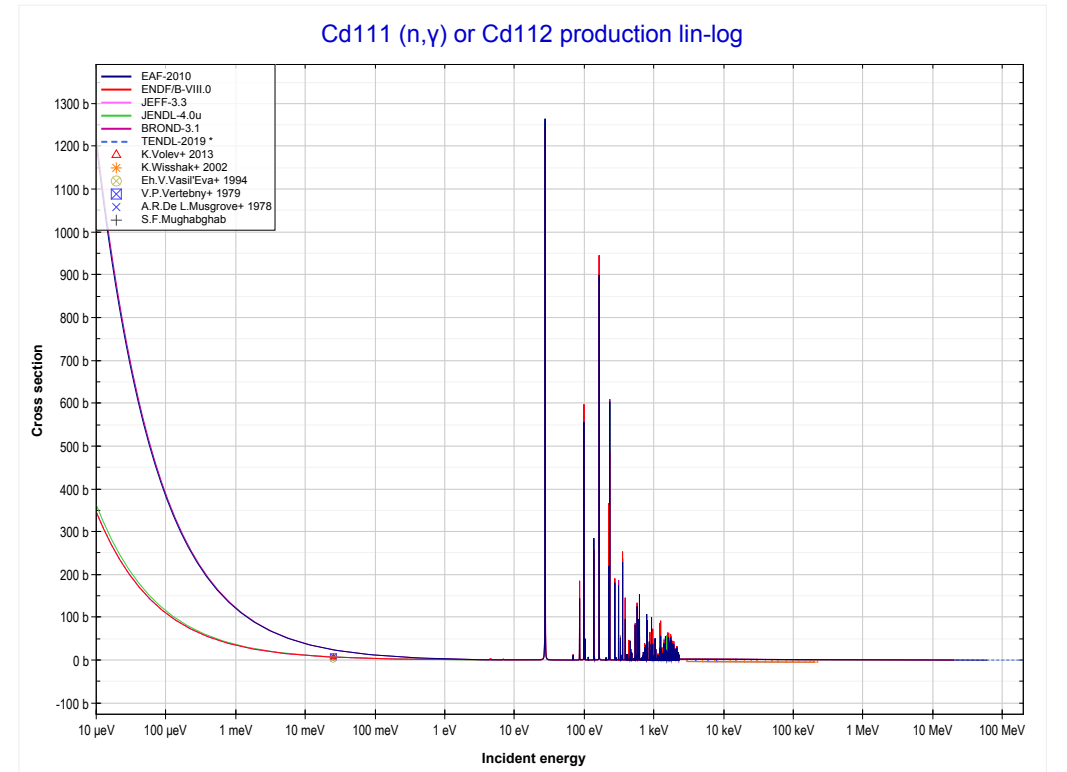
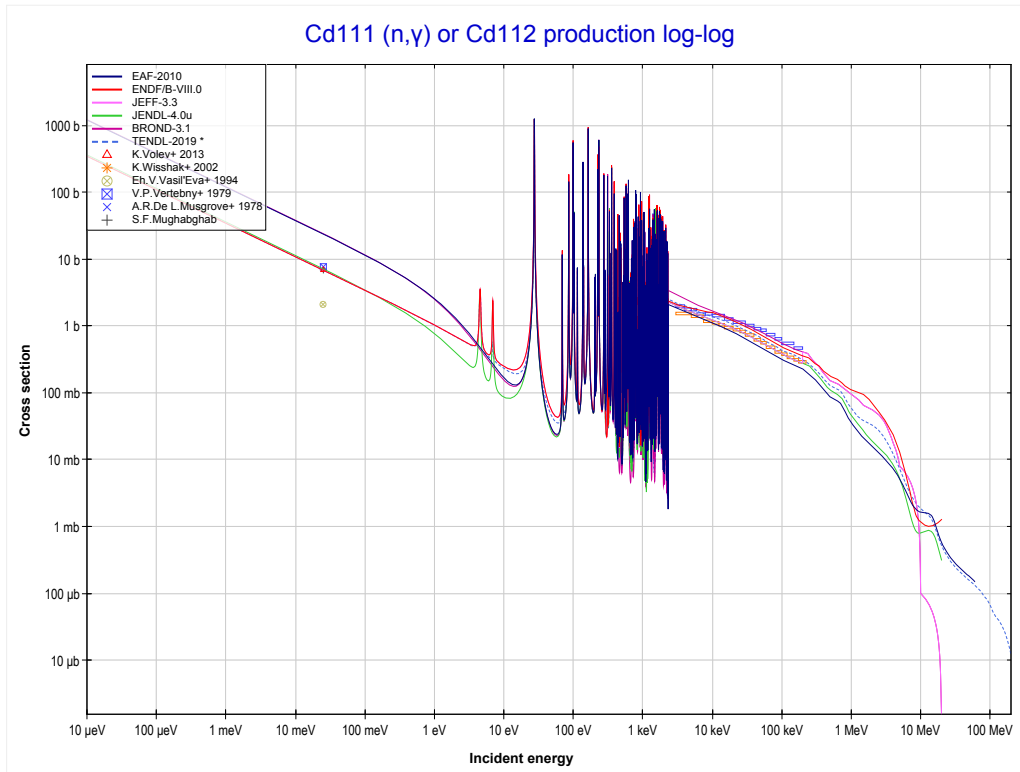
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.62108 b | 5.62108 b | 6.3409 b | 1.12805 | 72.4307 b | 4.30822 b | 2.62863 b |
| JEFF-3.3 | 5.61247 b | 5.61247 b | 6.3311 b | 1.12805 | 77.1236 b | 3.99715 b | 2.61796 b |
| JENDL-4.0u | 4.56145 b | 4.56145 b | 5.1446 b | 1.12784 | 77.7842 b | 4.27037 b | 2.516 b |
| BROND-3.1 | 4.6336 b | 4.6336 b | 5.221 b | 1.12677 | 71.2284 b | 3.98444 b | 2.61796 b |
| TENDL-2019 | 5.33304 b | 5.33304 b | 6.0163 b | 1.12811 | 76.1625 b | 4.32143 b | 2.5321 b |

| | | |
|--------------------|---|-------------------------|
| << 48-Cd-Nat | 48-Cd-111 | 49-In-113 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cd111 production) | MT102 (n, γ) >> |



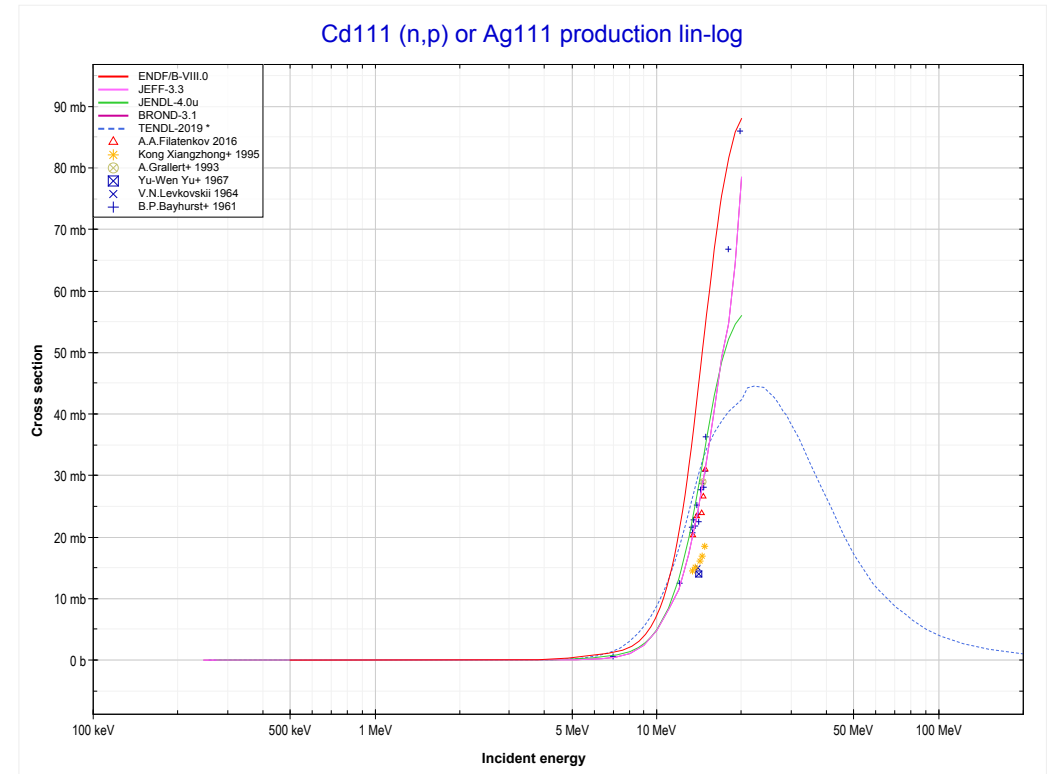
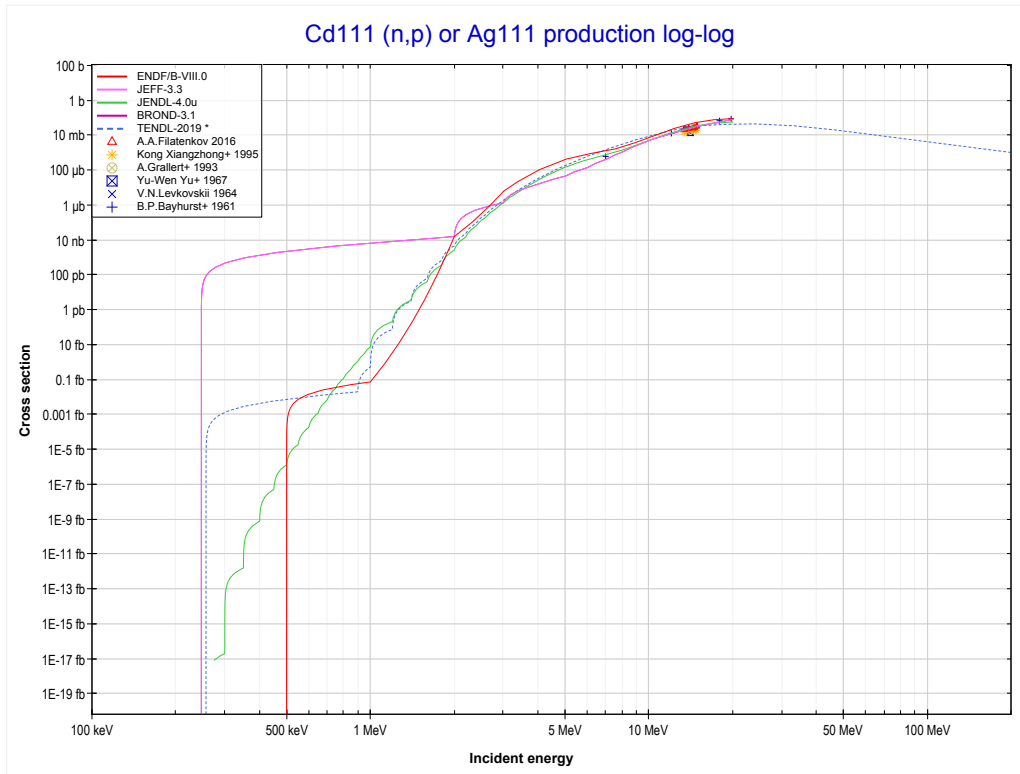
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35988 b | 0.227233 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7984 b | 0.268044 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.68842 b | 0.323496 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7984 b | 0.268044 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52233 b | 0.36329 b |

| | | |
|---------------|--|----------------|
| << 48-Cd-110 | 48-Cd-111 | 48-Cd-112 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Cd112 production) | MT103 (n,p) >> |



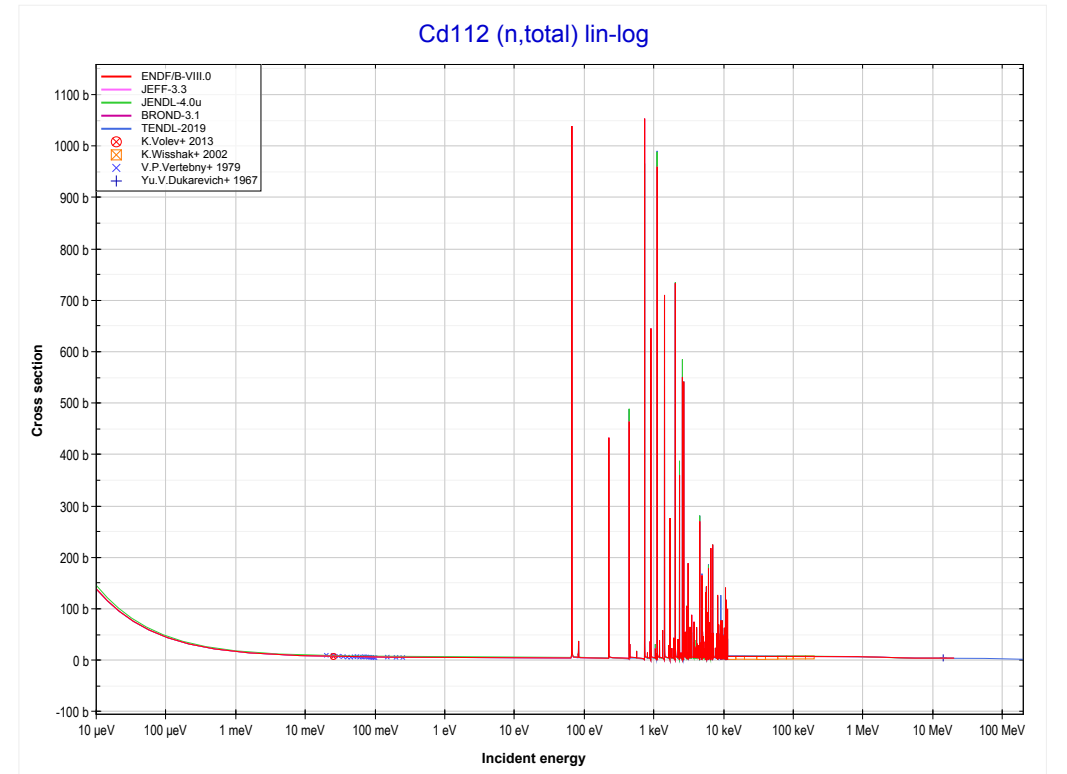
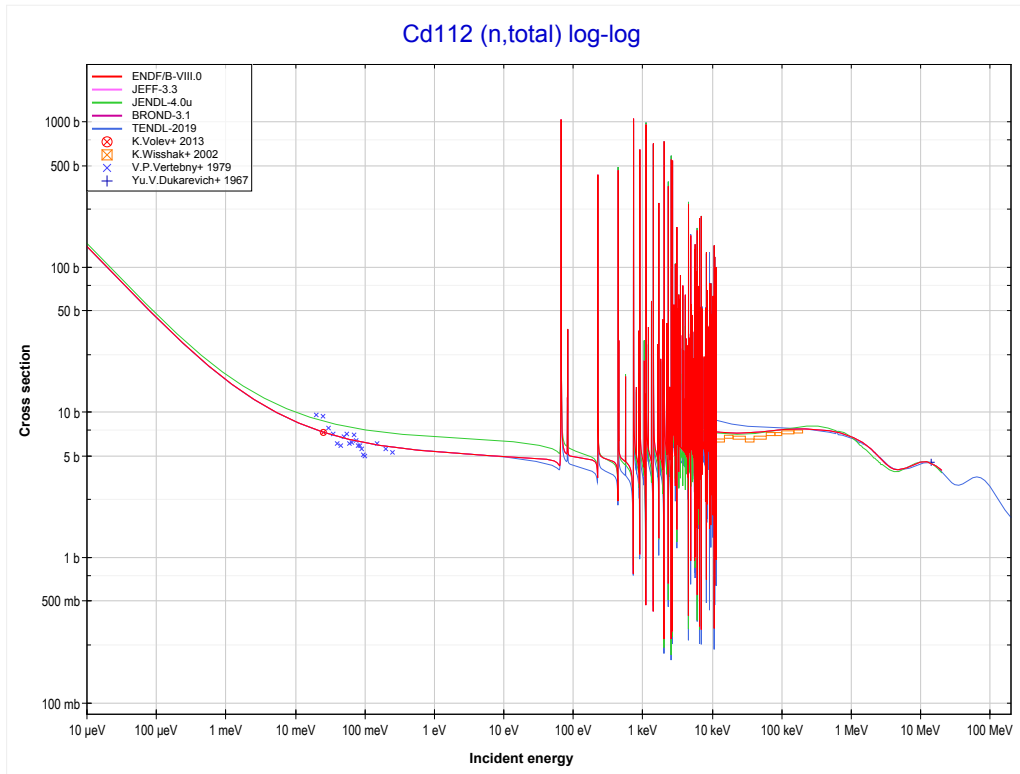
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 23.7271 b | 23.7089 b | 23.578 b | 0.99448 | 48.7075 b | 0.0486016 b | 0.00149339 b |
| ENDF/B-VIII.0 | 6.8675 b | 6.8675 b | 6.8655 b | 0.99971 | 50.6811 b | 0.111501 b | 0.00100619 b |
| JEFF-3.3 | 6.87129 b | 6.87129 b | 6.8693 b | 0.99971 | 49.8745 b | 0.0957885 b | 6E-5 b |
| JENDL-4.0u | 7.13236 b | 7.13236 b | 7.096 b | 0.9949 | 44.7052 b | 0.0603382 b | 8.579E-4 b |
| BROND-3.1 | 24.0287 b | 24.0287 b | 23.897 b | 0.99451 | 49.7043 b | 0.102965 b | 6E-5 b |
| TENDL-2019 | 6.87659 b | 6.87659 b | 6.8718 b | 0.99931 | 46.6169 b | 0.0745598 b | 0.00133727 b |

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|-------------------------|--|----------------------------|
| << 48-Cd-110 | 48-Cd-111 | 48-Cd-112 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag111 production) | 48-Cd-112 MT1 (n,total) >> |



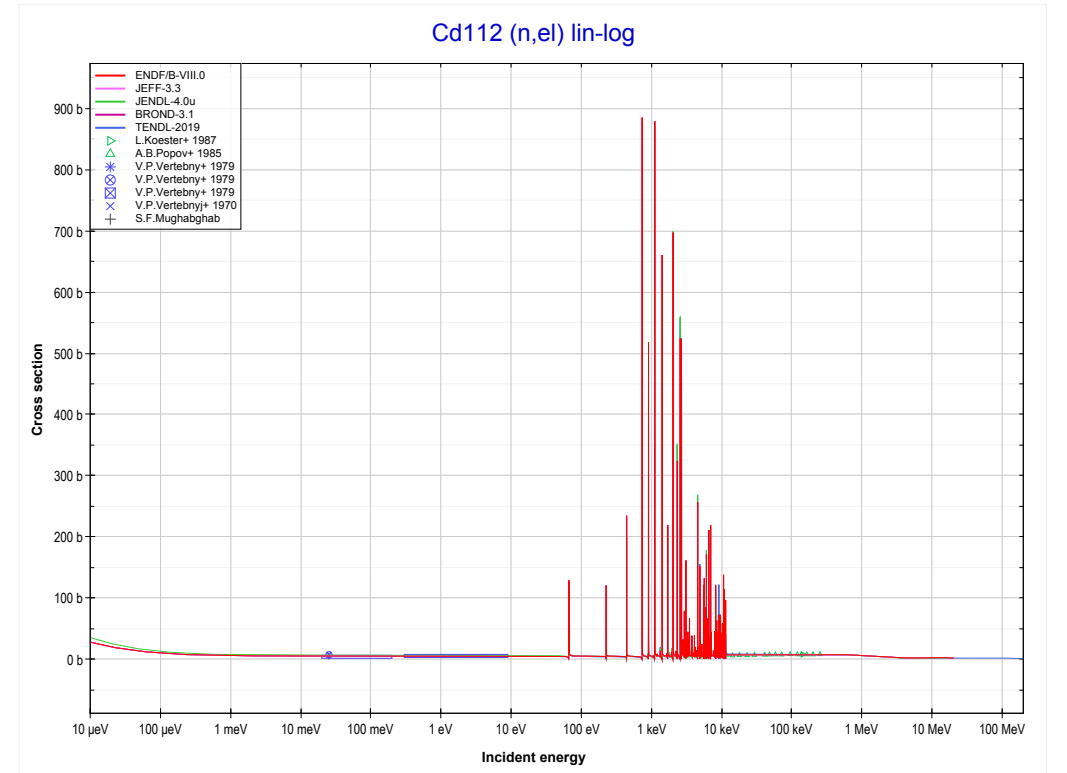
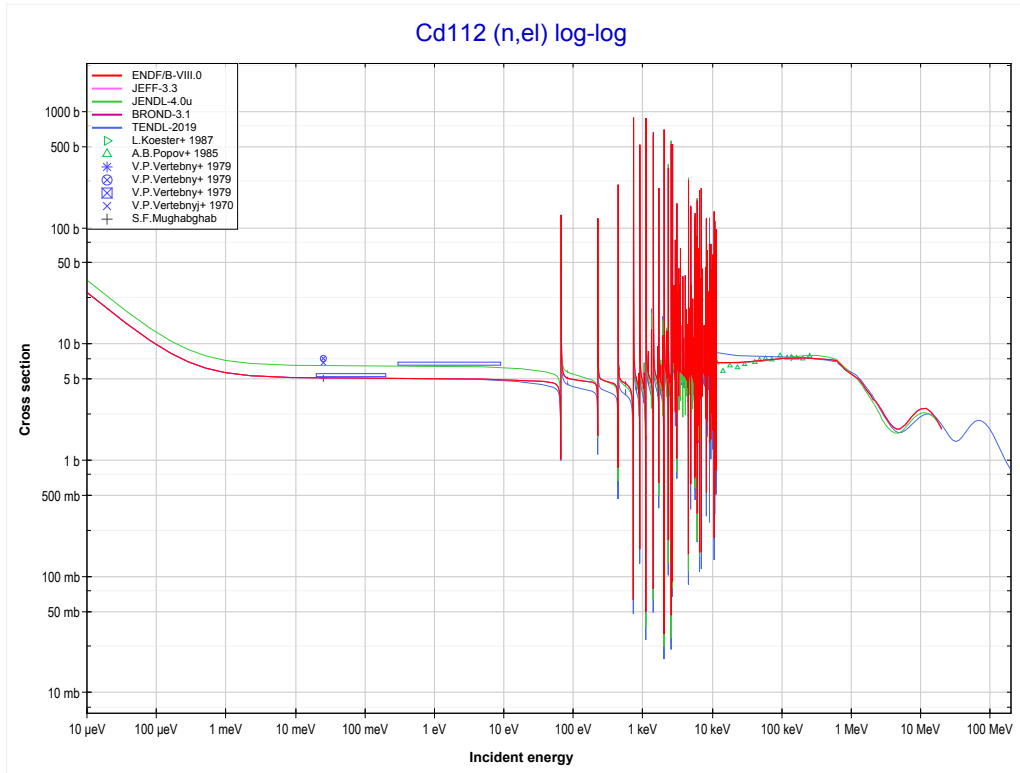
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14315E-4 b | 0.0438164 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.80317E-5 b | 0.02424 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.47904E-5 b | 0.02761 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.80317E-5 b | 0.02424 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06531E-4 b | 0.0298506 b |

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|--------------------------|----------------------|--------------------|
| << 48-Cd-111 | 48-Cd-112 | 48-Cd-113 >> |
| << 48-Cd-111 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



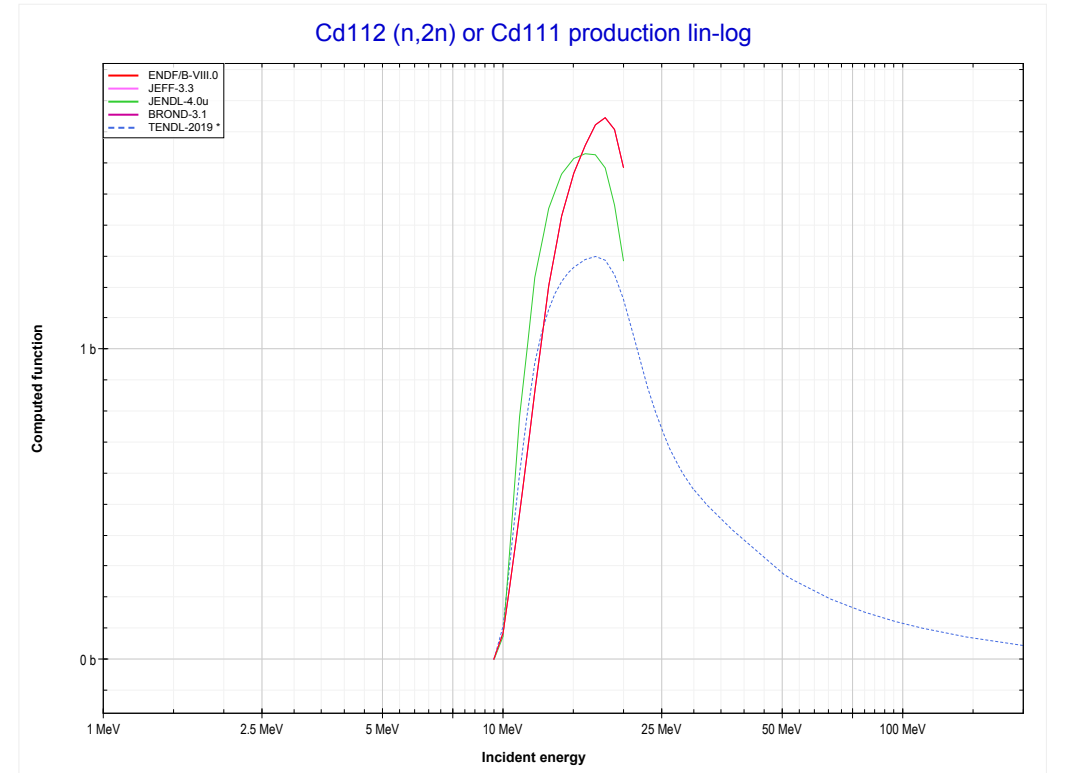
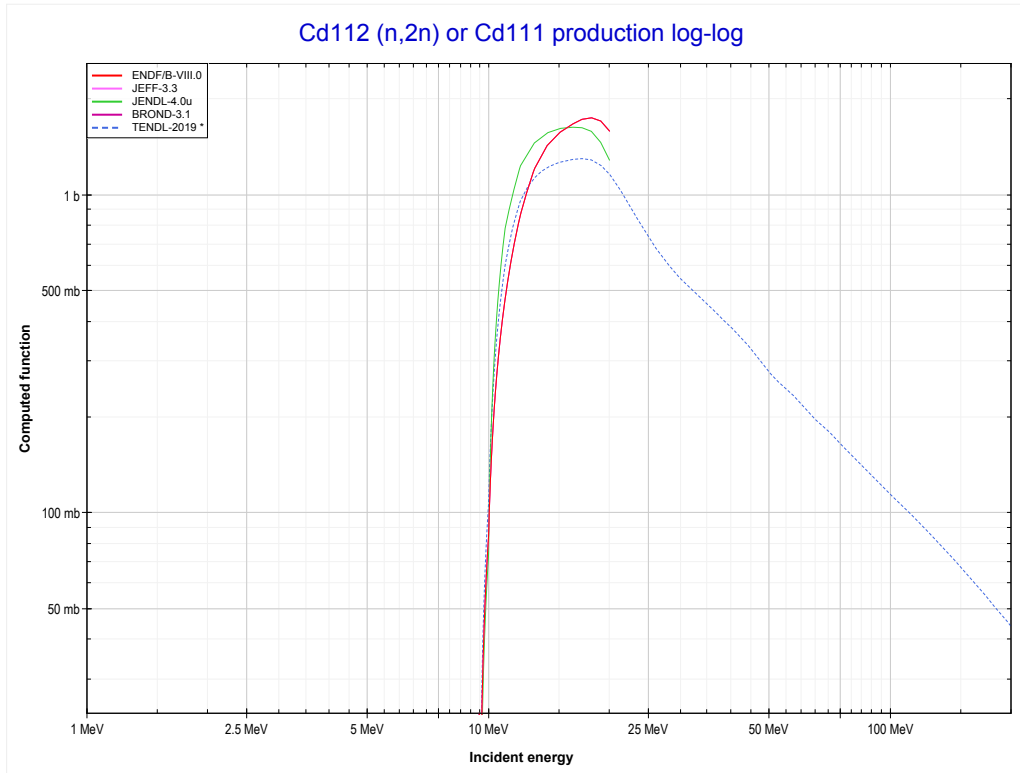
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.29643 b | 7.29643 b | 7.9468 b | 1.08914 | 93.804 b | 5.90898 b | 4.45803 b |
| JEFF-3.3 | 7.29643 b | 7.29643 b | 7.9468 b | 1.08914 | 93.7235 b | 5.90888 b | 4.45803 b |
| JENDL-4.0u | 8.68855 b | 8.68855 b | 9.5223 b | 1.09596 | 97.9437 b | 5.75545 b | 4.47835 b |
| BROND-3.1 | 7.29643 b | 7.29643 b | 7.9468 b | 1.08914 | 93.7235 b | 5.90888 b | 4.45803 b |
| TENDL-2019 | 7.28339 b | 7.28339 b | 7.9355 b | 1.08953 | 89.548 b | 5.85083 b | 4.46986 b |

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| << 48-Cd-111 | 48-Cd-112 | 48-Cd-114 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



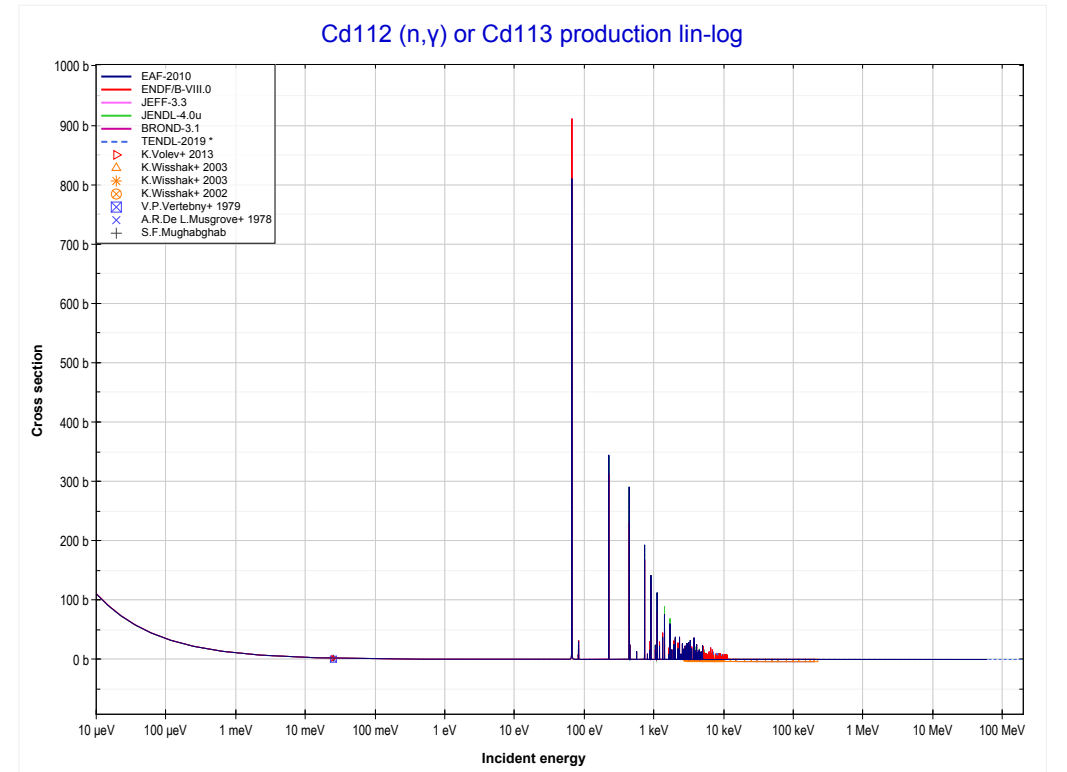
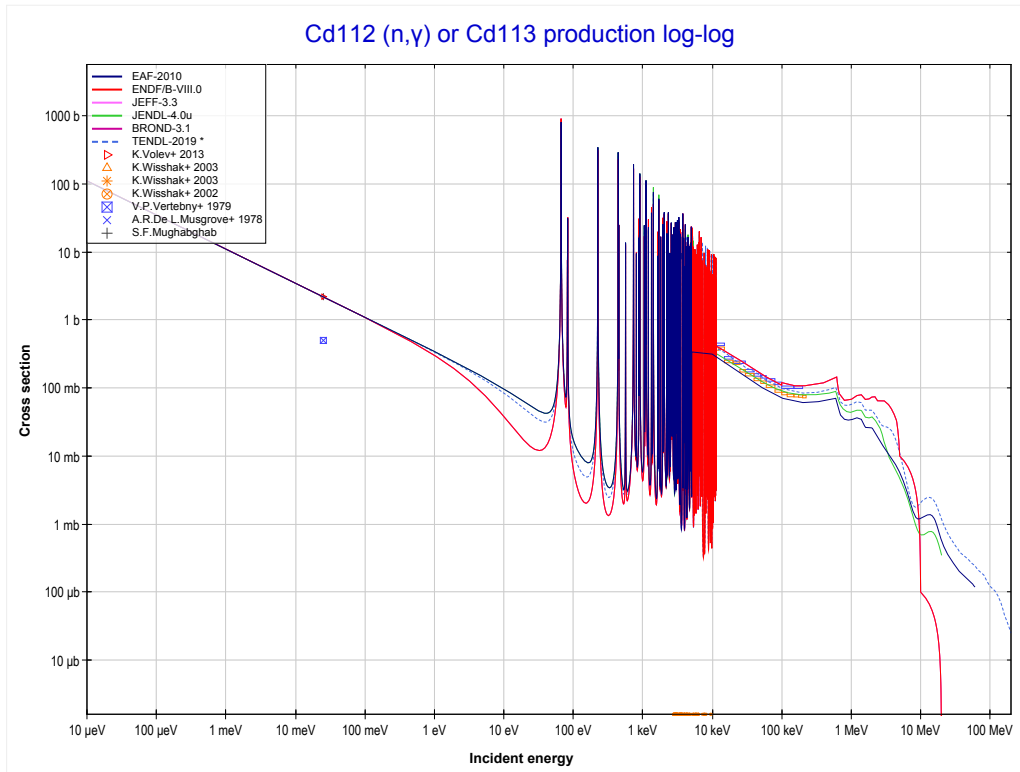
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.09811 b | 5.09811 b | 5.7518 b | 1.12823 | 80.9773 b | 4.46001 b | 2.615 b |
| JEFF-3.3 | 5.09811 b | 5.09811 b | 5.7518 b | 1.12823 | 80.7642 b | 4.45983 b | 2.615 b |
| JENDL-4.0u | 6.49579 b | 6.49579 b | 7.329 b | 1.12828 | 84.9877 b | 4.38198 b | 2.461 b |
| BROND-3.1 | 5.09811 b | 5.09811 b | 5.7518 b | 1.12823 | 80.7642 b | 4.45983 b | 2.615 b |
| TENDL-2019 | 5.08779 b | 5.08779 b | 5.7406 b | 1.1283 | 76.5819 b | 4.4822 b | 2.48828 b |

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| << 48-Cd-110 | 48-Cd-112 | 48-Cd-114 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd111 production) | MT102 (n, γ) >> |



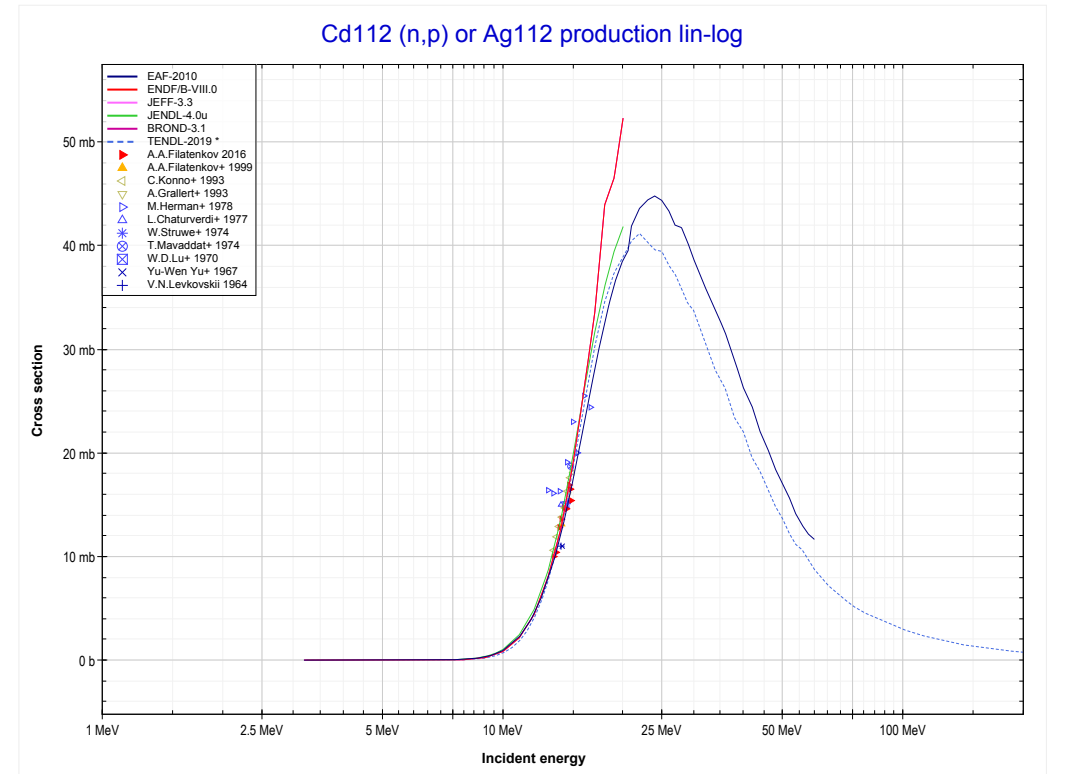
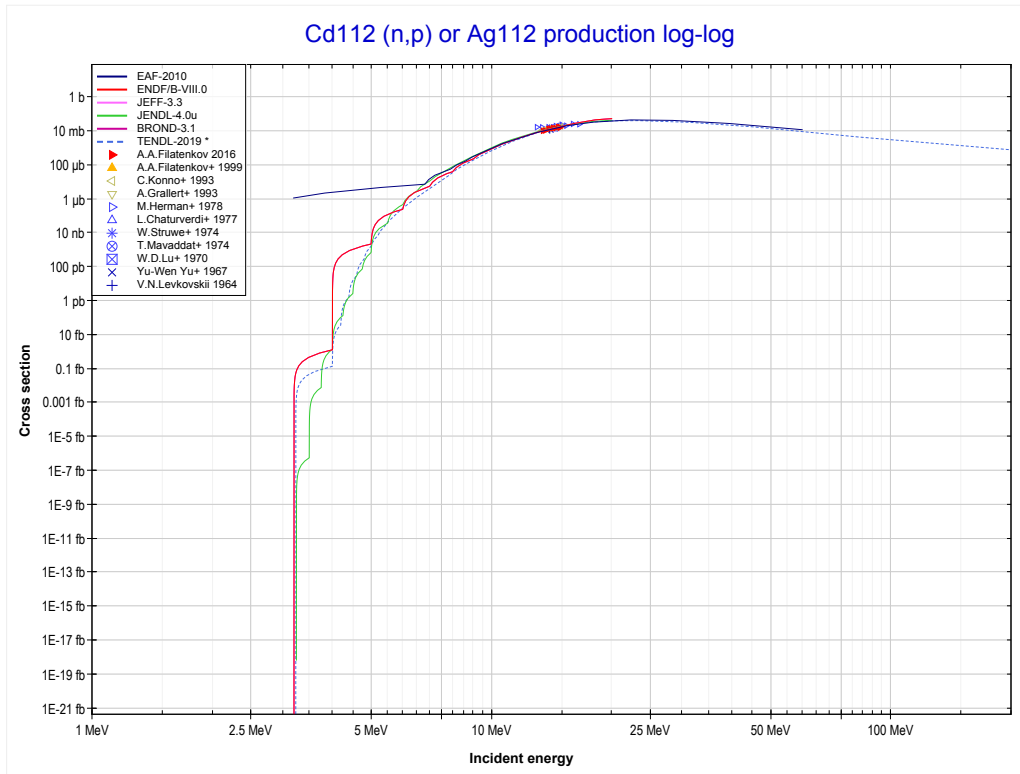
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120194 b | 1.4275 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120194 b | 1.4275 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00160326 b | 1.564 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00120194 b | 1.4275 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00129864 b | 1.21728 b |

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|----------------|--|----------------|
| << 48-Cd-111 | 48-Cd-112 | 48-Cd-113 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cd113 production) | MT103 (n,p) >> |



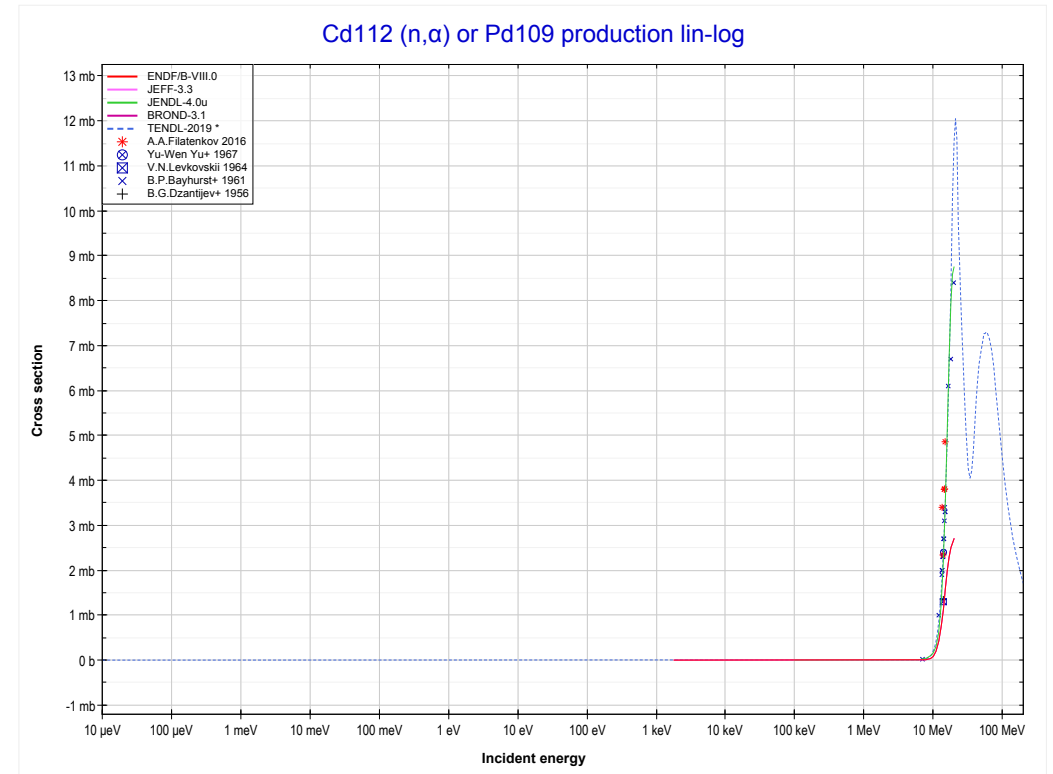
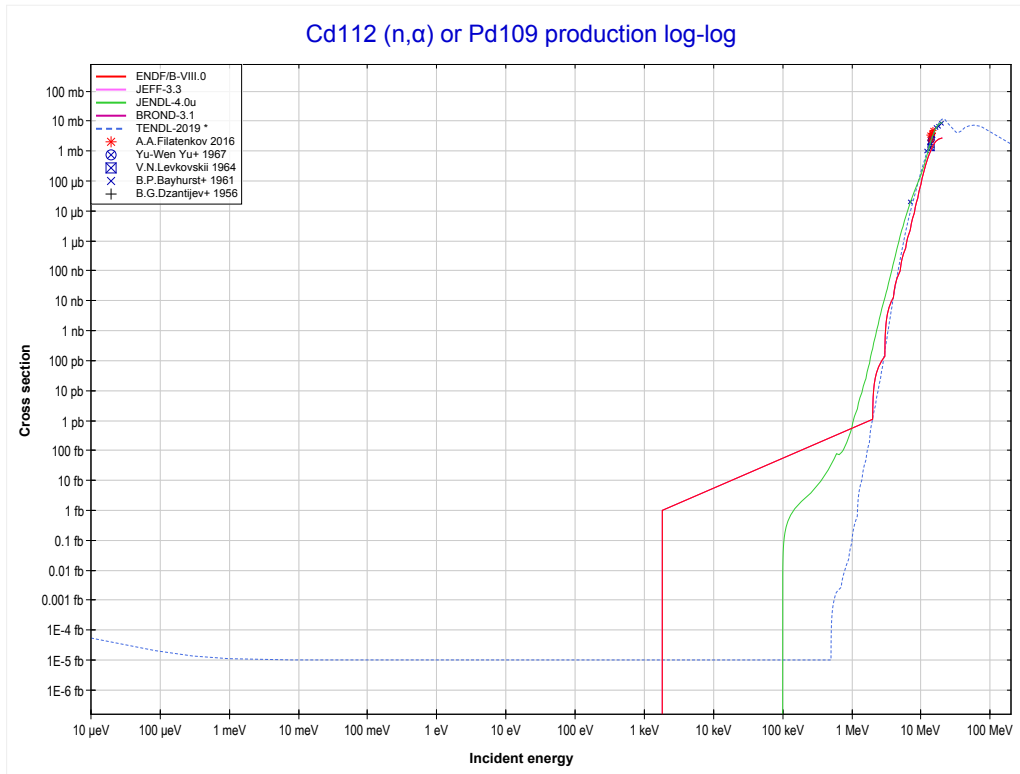
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.2 b | 2.19835 b | 2.1976 b | 0.99968 | 12.8775 b | 0.0317725 b | 0.00137101 b |
| ENDF/B-VIII.0 | 2.19833 b | 2.19833 b | 2.195 b | 0.99848 | 12.8267 b | 0.0739992 b | 6E-5 b |
| JEFF-3.3 | 2.19833 b | 2.19833 b | 2.195 b | 0.99848 | 12.9593 b | 0.0740773 b | 6E-5 b |
| JENDL-4.0u | 2.19276 b | 2.19276 b | 2.1933 b | 1.00025 | 12.956 b | 0.0414264 b | 7.838E-4 b |
| BROND-3.1 | 2.19833 b | 2.19833 b | 2.195 b | 0.99848 | 12.9593 b | 0.0740773 b | 6E-5 b |
| TENDL-2019 | 2.1956 b | 2.1956 b | 2.1949 b | 0.99968 | 12.9613 b | 0.0517533 b | 0.00244838 b |

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|-------------------------|--|-------------------------|
| << 48-Cd-111 | 48-Cd-112 | 48-Cd-113 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag112 production) | MT107 (n, α) >> |



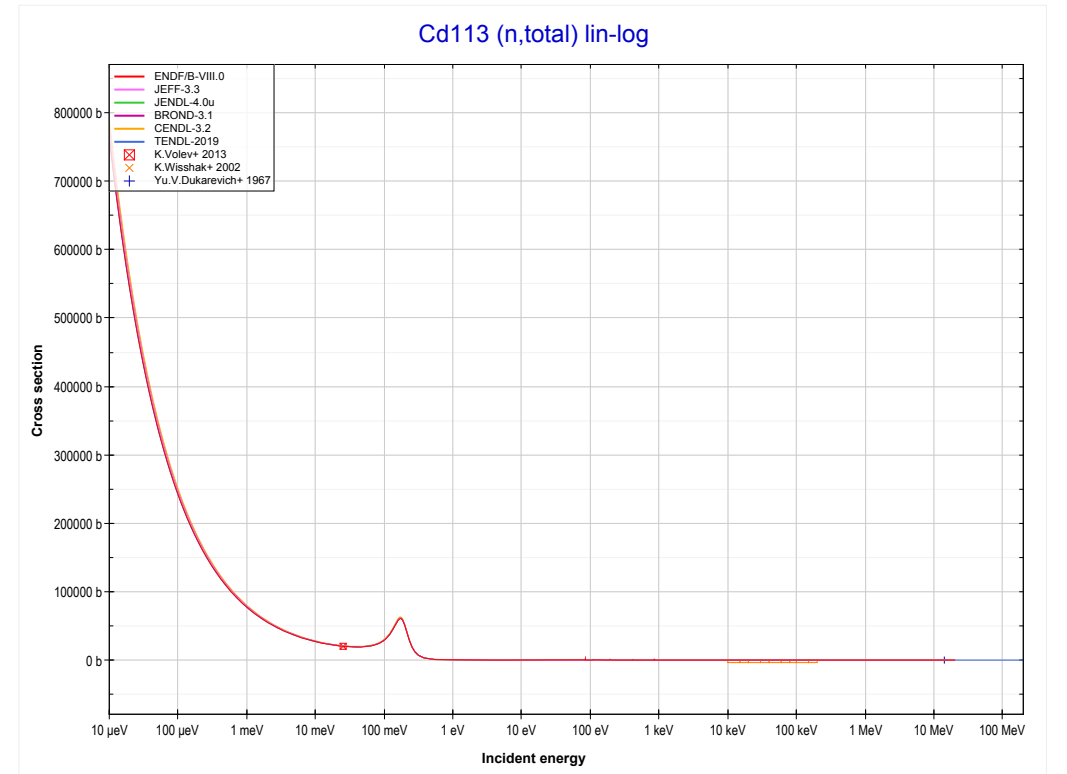
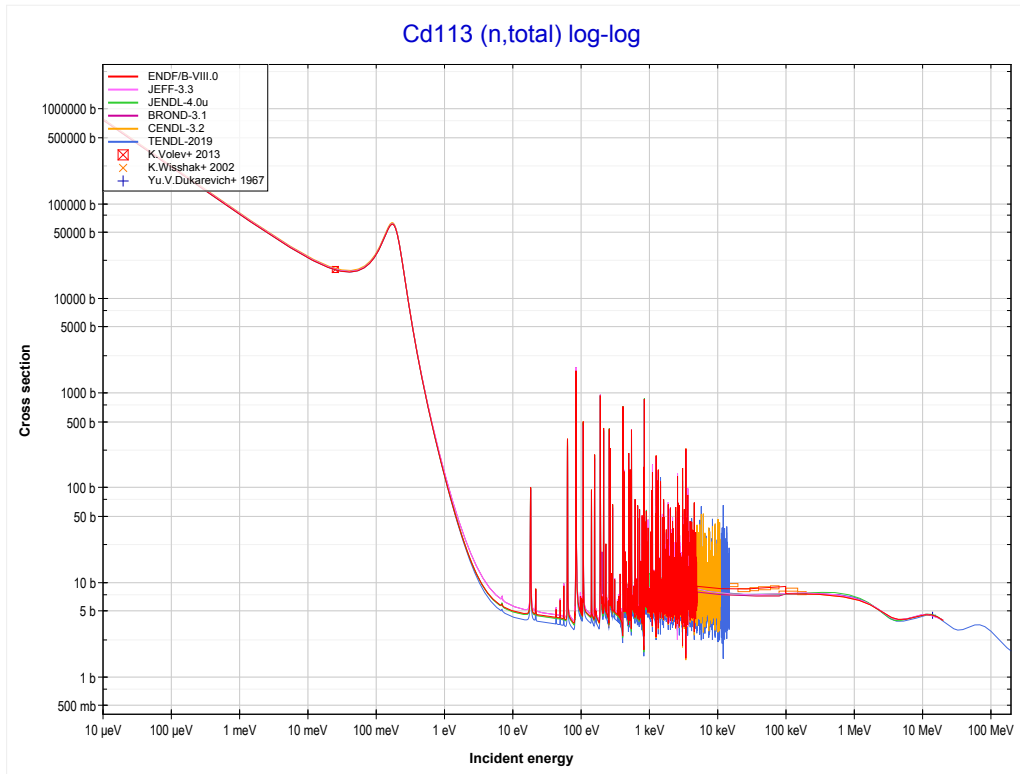
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03062E-5 b | 0.0122338 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.83227E-6 b | 0.01274 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.83227E-6 b | 0.01274 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.09497E-5 b | 0.01369 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.83227E-6 b | 0.01274 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.60154E-6 b | 0.0126142 b |

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|----------------|--|----------------------------|
| << 48-Cd-110 | 48-Cd-112 | 48-Cd-114 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Pd109 production) | 48-Cd-113 MT1 (n,total) >> |



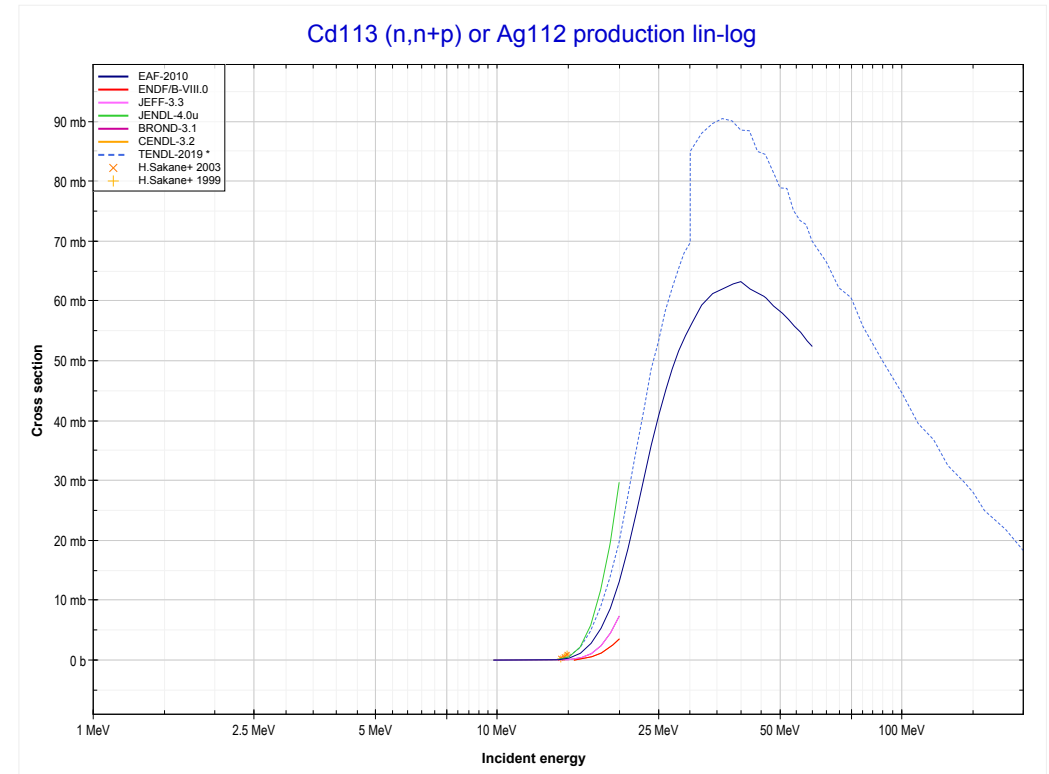
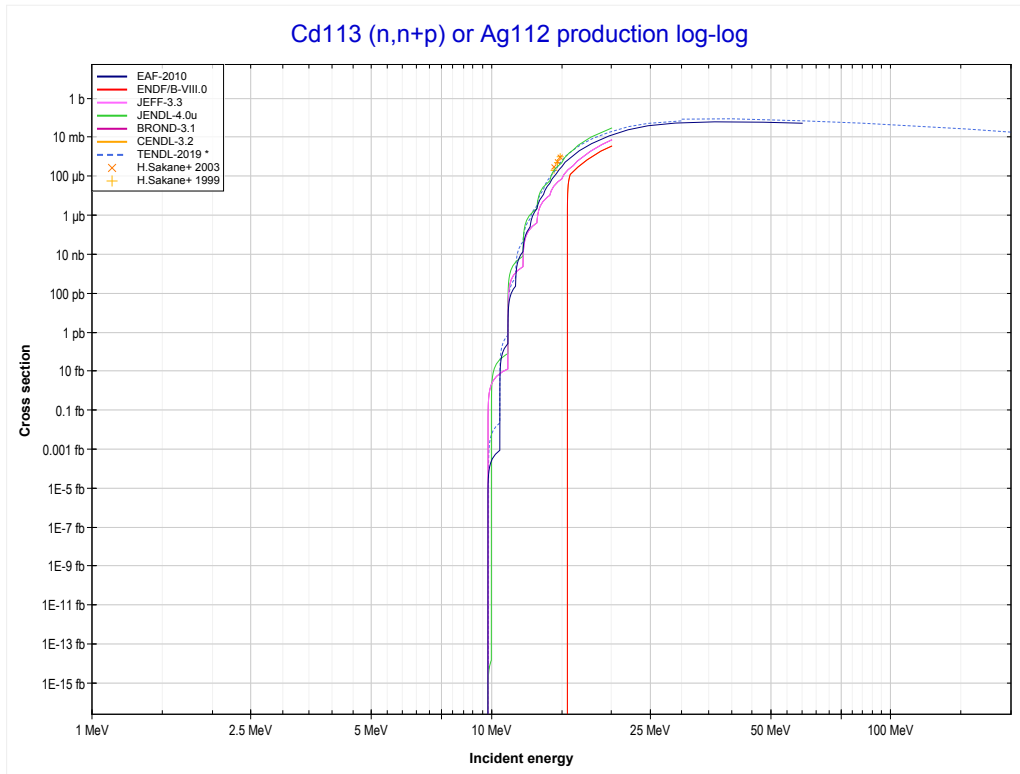
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.4E-14 b | 9.53025E-7 b | 0.0011 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.4E-14 b | 9.53025E-7 b | 0.0011 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.33608E-6 b | 0.002186 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.4E-14 b | 9.53025E-7 b | 0.0011 b |
| TENDL-2019 | 1.0045E-20 b | 1.0045E-20 b | 1.1335E-20 b | 1.12845 | 1.22074E-19 b | 2.23789E-6 b | 0.0024011 b |

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|-----------------------------------|----------------------|-----------------|
| << 48-Cd-112 | 48-Cd-113 | 48-Cd-114 >> |
| << 48-Cd-112 MT107 (n, α) | MT1 (n,total) | MT28 (n,n+p) >> |



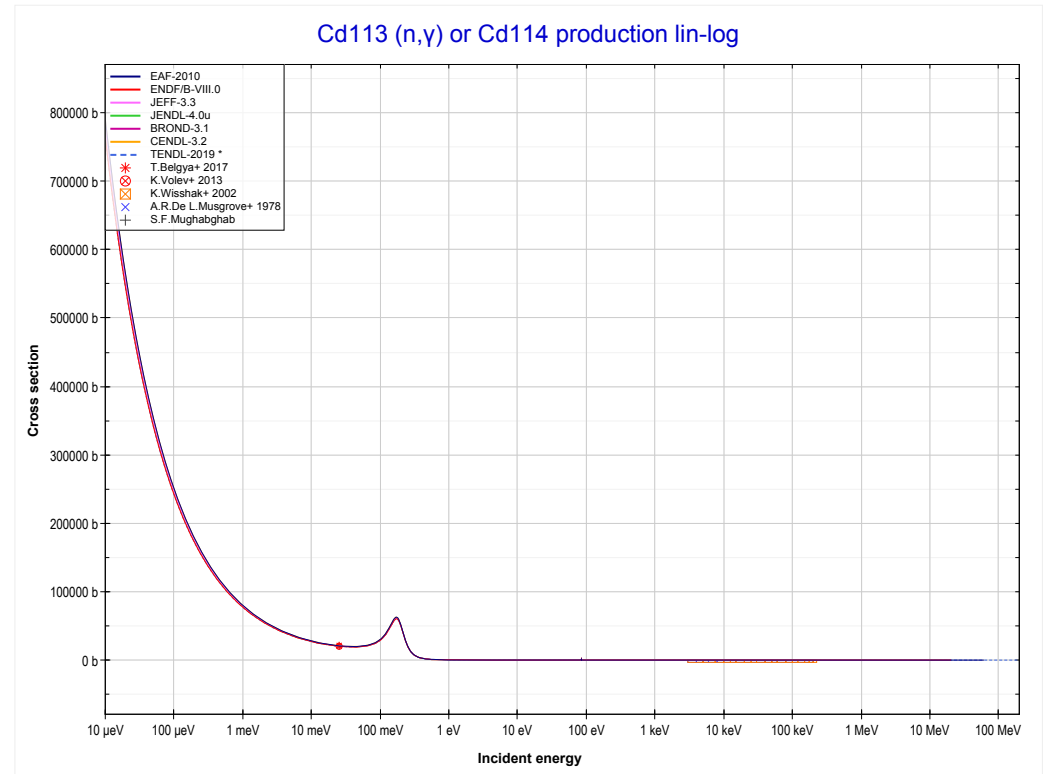
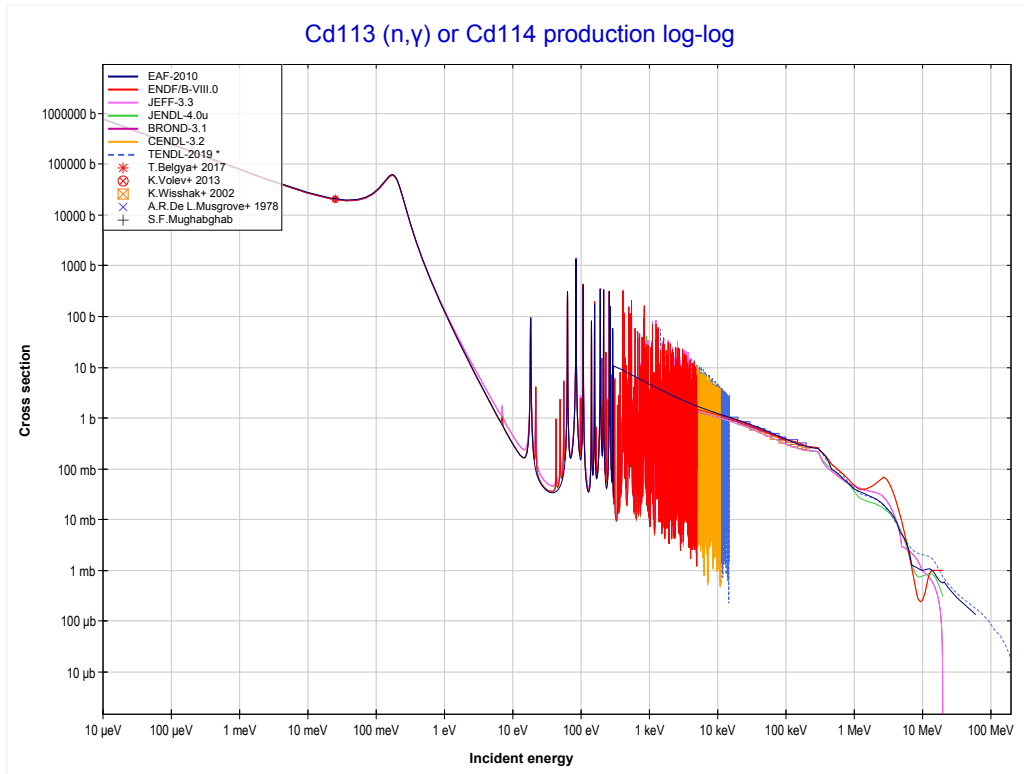
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 19994 b | 19994 b | 26709 b | 1.33587 | 477.641 b | 5.86976 b | 4.53093 b |
| JEFF-3.3 | 20296.1 b | 20296.1 b | 27076 b | 1.33406 | 497.662 b | 5.93049 b | 4.47681 b |
| JENDL-4.0u | 20195.9 b | 20195.9 b | 26979 b | 1.33587 | 480.972 b | 6.03009 b | 4.59198 b |
| BROND-3.1 | 20296.1 b | 20296.1 b | 27076 b | 1.33406 | 496.707 b | 5.92605 b | 4.47681 b |
| CENDL-3.2 | 20745.9 b | 20745.9 b | 27765 b | 1.33835 | 480.125 b | 5.84701 b | 4.53 b |
| TENDL-2019 | 19976.7 b | 19976.7 b | 26687 b | 1.3359 | 463.803 b | 5.9129 b | 4.51174 b |

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| << 48-Cd-106 | 48-Cd-113 | 48-Cd-116 >> |
| << MT1 (n,total) | MT28 (n,n+p) or MT5 (Ag112 production) | MT102 (n, γ) >> |



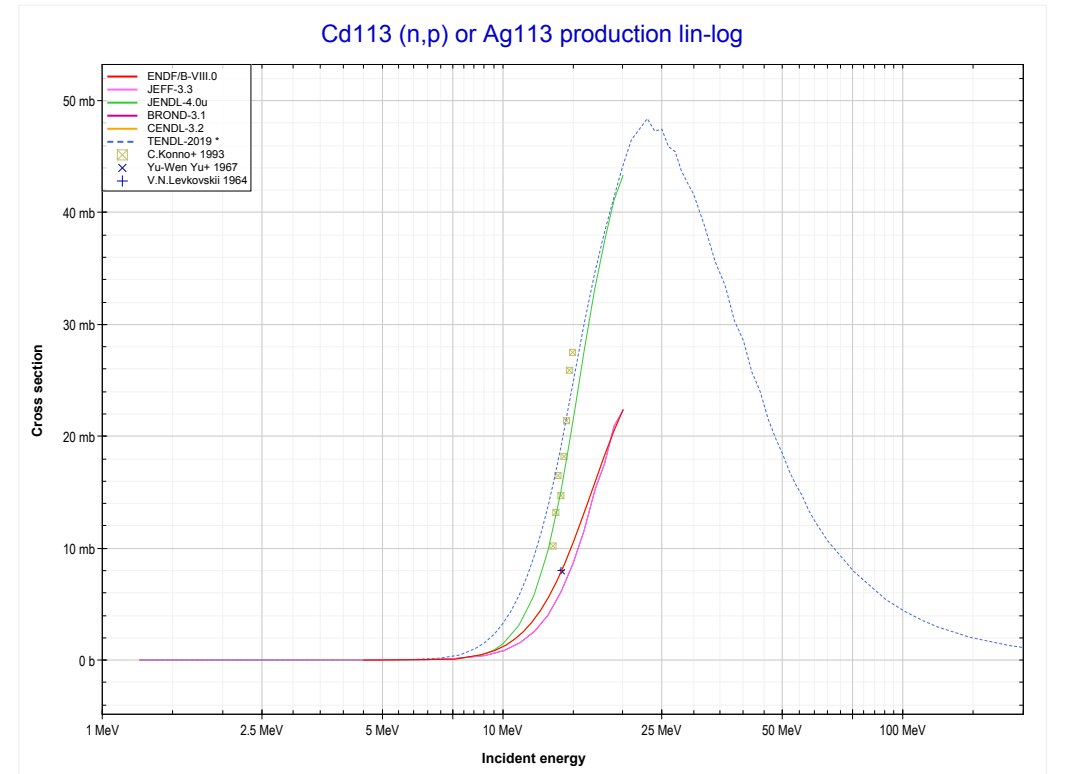
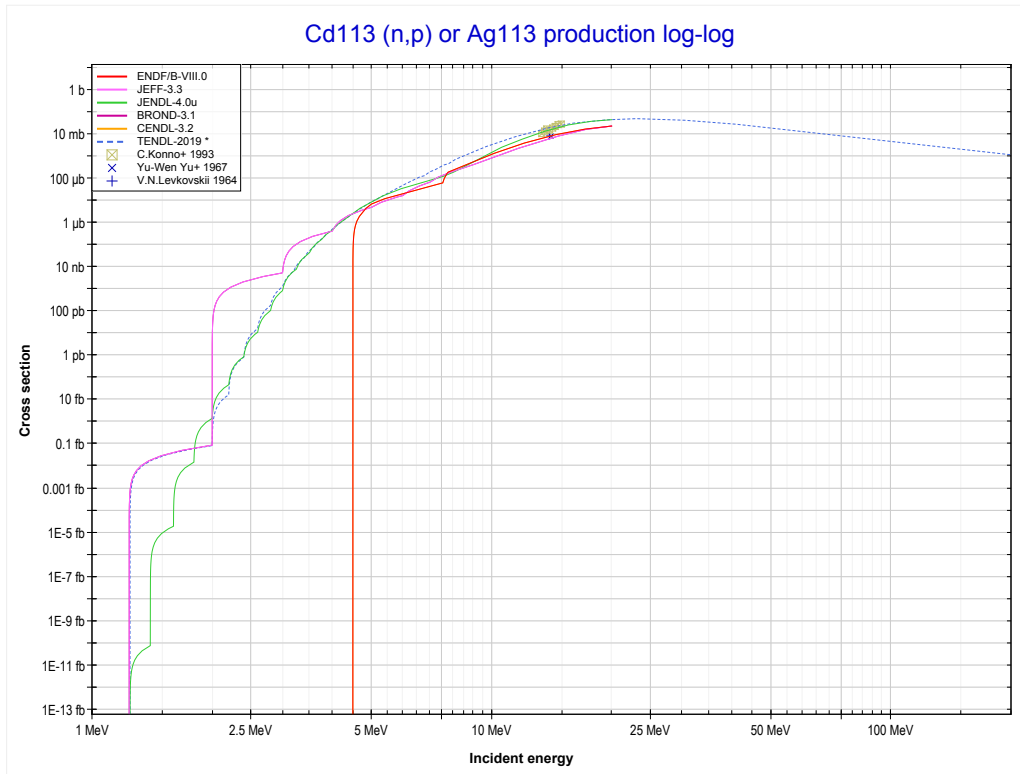
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12482E-8 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99685E-8 b | 1.04E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.63247E-7 b | 5.555E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.99685E-8 b | 1.04E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12482E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.18323E-7 b | 8.31473E-5 b |

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| << 48-Cd-112 | 48-Cd-113 | 48-Cd-114 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cd114 production) | MT103 (n,p) >> |



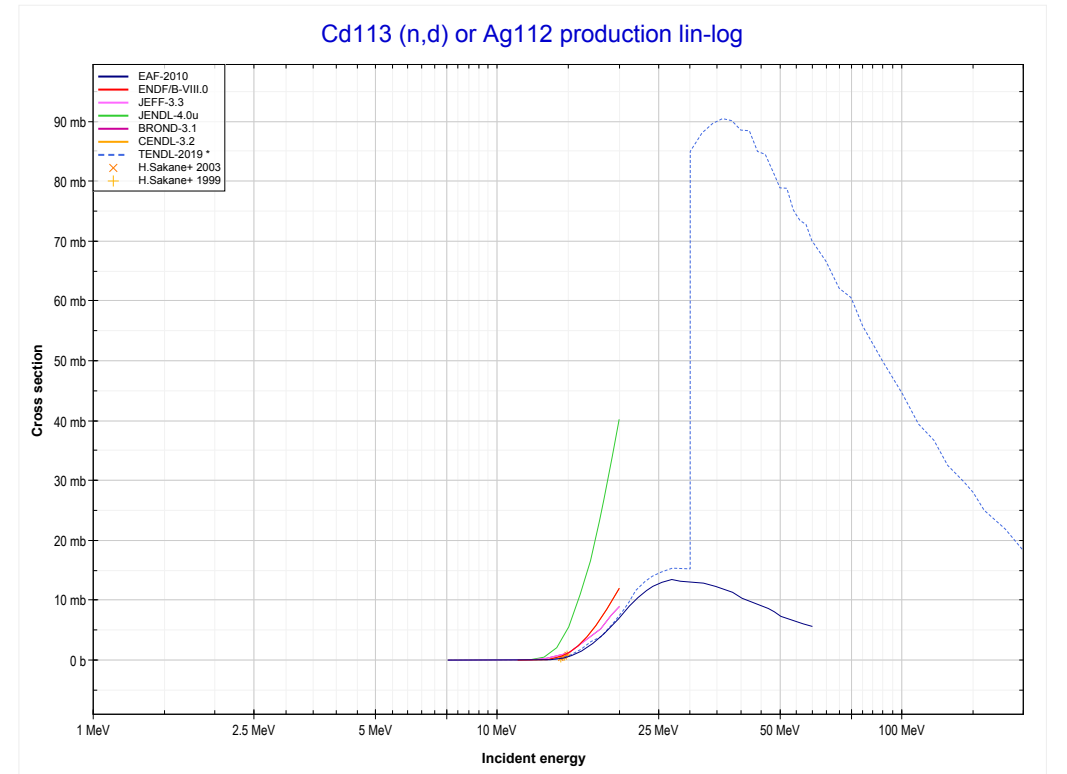
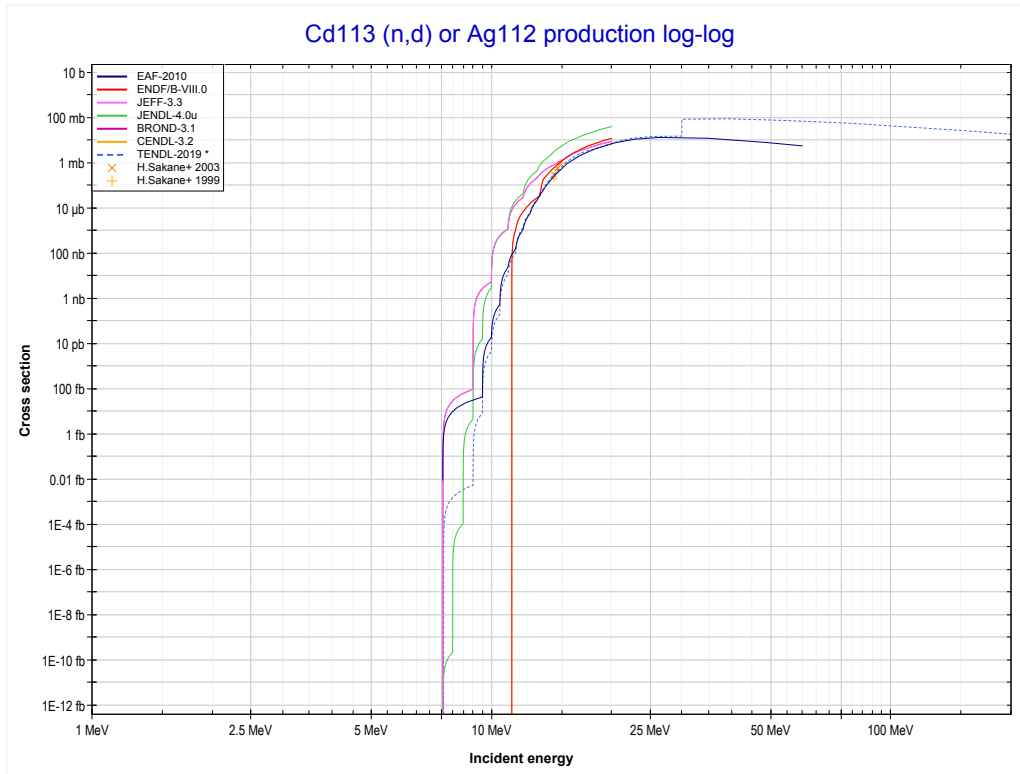
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20741.8 b | 20735.7 b | 27732 b | 1.33801 | 399.809 b | 0.061503 b | 0.00101 b |
| ENDF/B-VIII.0 | 19969.3 b | 19969.3 b | 26654 b | 1.33476 | 384.919 b | 0.0778023 b | 0.001 b |
| JEFF-3.3 | 20274.2 b | 20274.2 b | 27024 b | 1.33293 | 401.945 b | 0.057745 b | 6E-4 b |
| JENDL-4.0u | 20170.6 b | 20170.6 b | 26923 b | 1.33474 | 388.576 b | 0.0517114 b | 8.482E-4 b |
| BROND-3.1 | 20274.2 b | 20274.2 b | 27024 b | 1.33293 | 402.12 b | 0.0587829 b | 6E-4 b |
| CENDL-3.2 | 20718.7 b | 20718.7 b | 27705 b | 1.33718 | 392.005 b | 0.0773531 b | 0.001 b |
| TENDL-2019 | 19951.1 b | 19951.1 b | 26630 b | 1.33478 | 382.976 b | 0.0613485 b | 0.00170491 b |

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| << 48-Cd-112 | 48-Cd-113 | 48-Cd-114 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag113 production) | MT104 (n,d) >> |



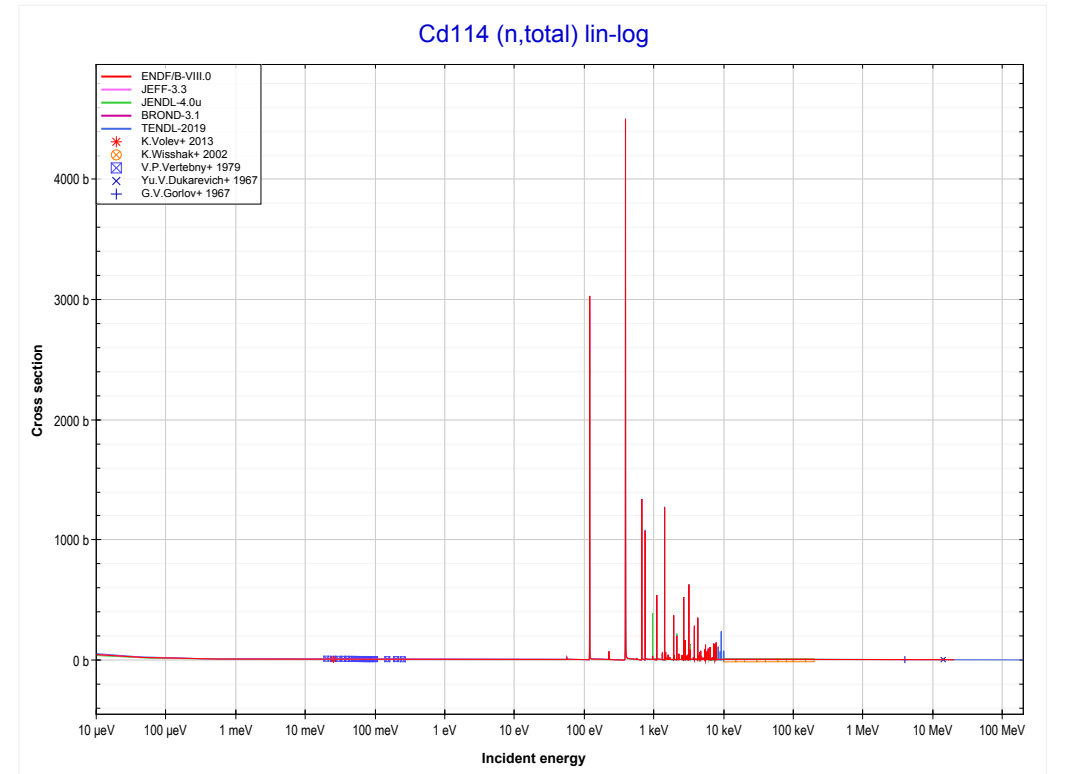
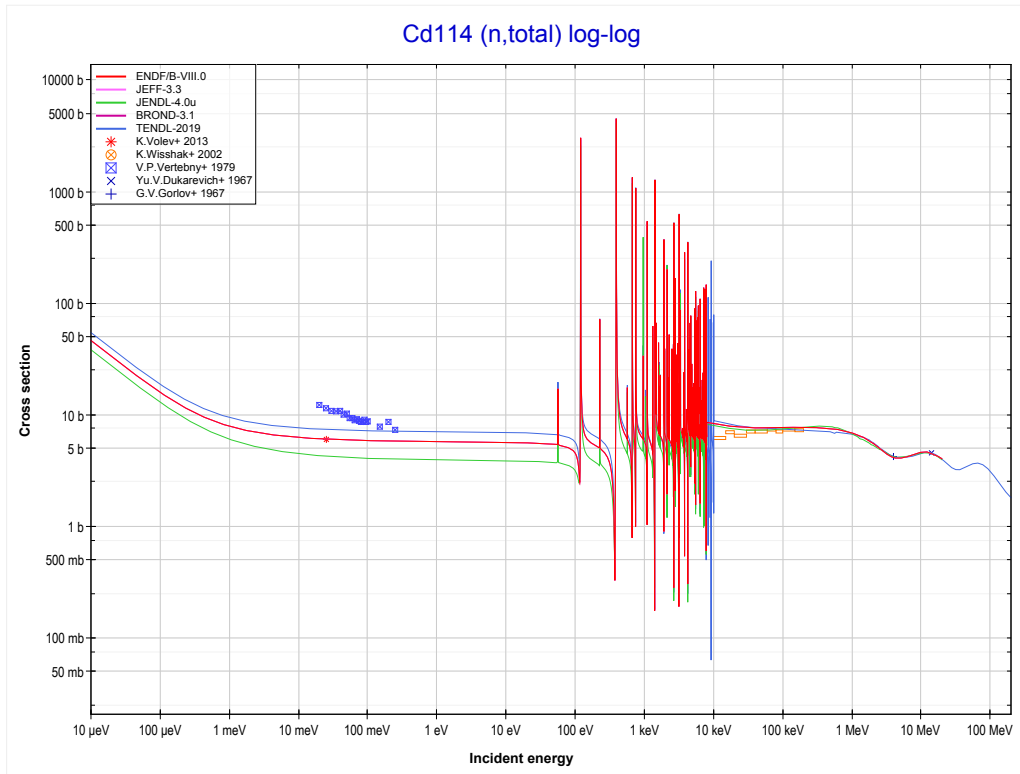
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07081E-5 b | 0.0078675 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.77993E-6 b | 0.006095 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.56986E-5 b | 0.01512 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.77994E-6 b | 0.006095 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07081E-5 b | 0.0078675 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86632E-5 b | 0.0190985 b |

| | | |
|----------------|--|----------------------------|
| << 48-Cd-106 | 48-Cd-113 | 48-Cd-116 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ag112 production) | 48-Cd-114 MT1 (n,total) >> |



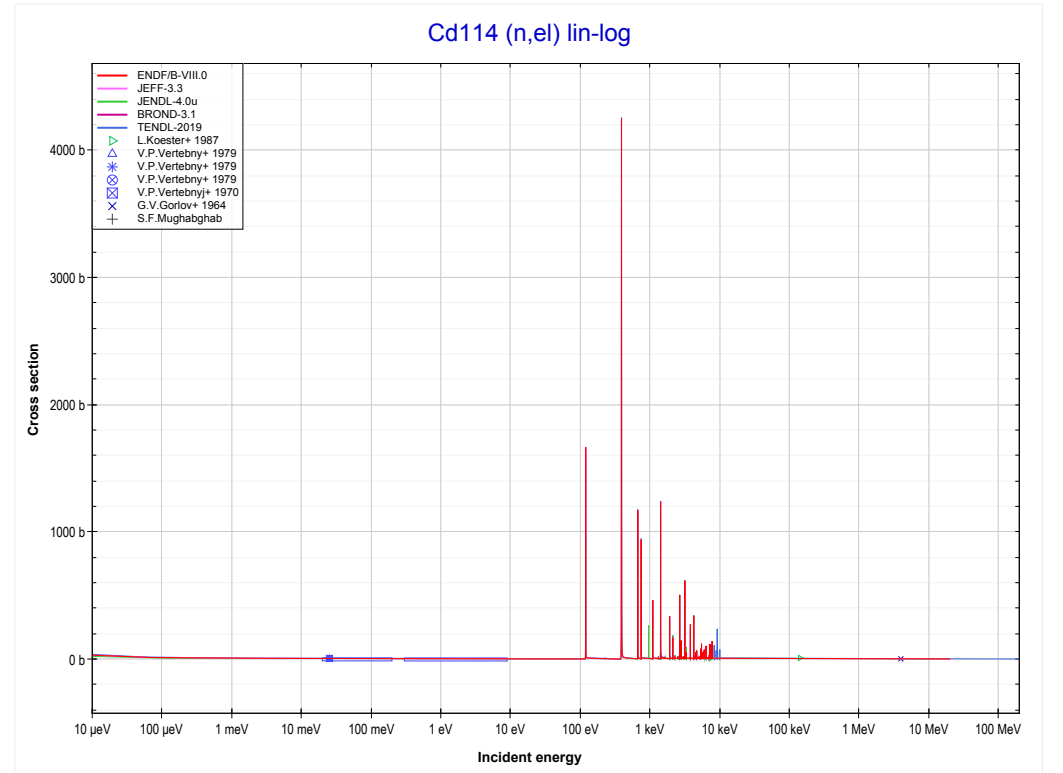
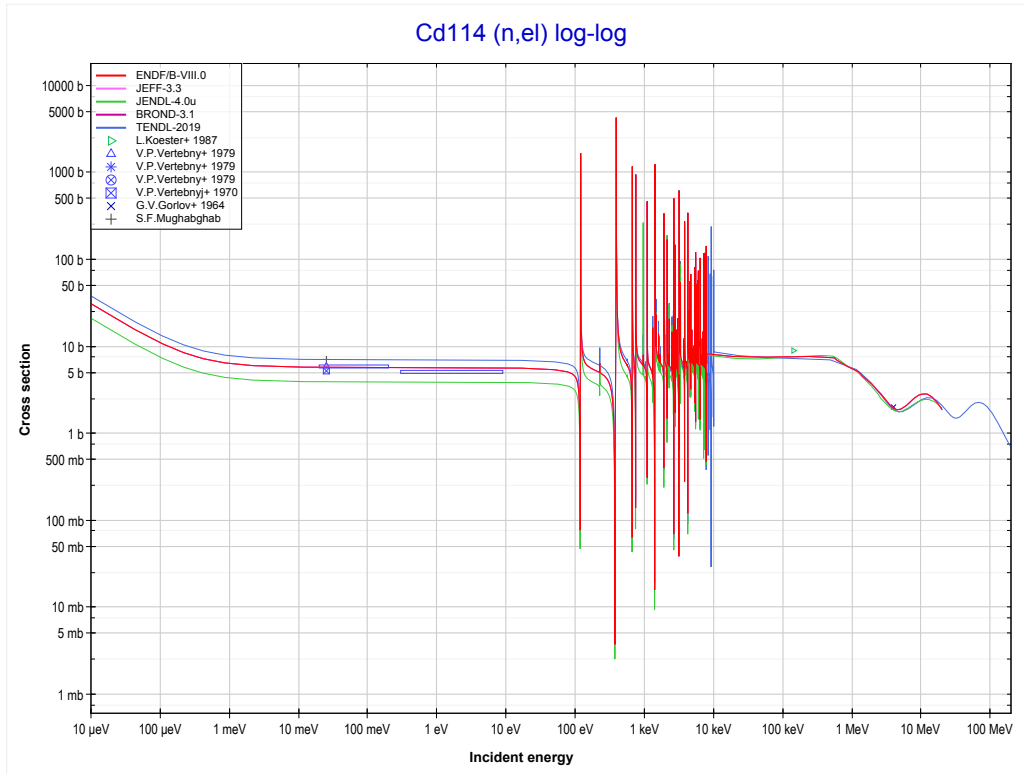
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30952E-7 b | 1.4621E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58569E-7 b | 3.965E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.07136E-7 b | 6.6E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.14873E-6 b | 0.002005 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.07135E-7 b | 6.6E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58569E-7 b | 3.965E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52694E-7 b | 1.76537E-4 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 48-Cd-113 | 48-Cd-114 | 48-Cd-116 >> |
| << 48-Cd-113 MT104 (n,d) | MT1 (n,total) | MT2 (n,elastic) >> |



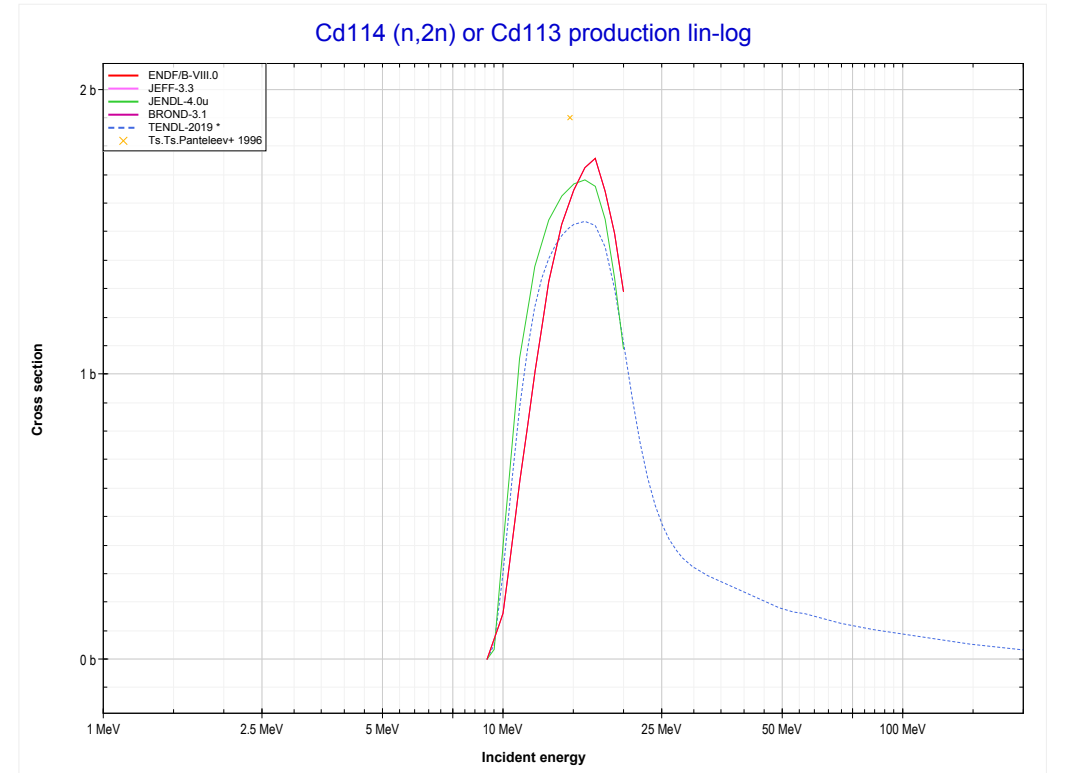
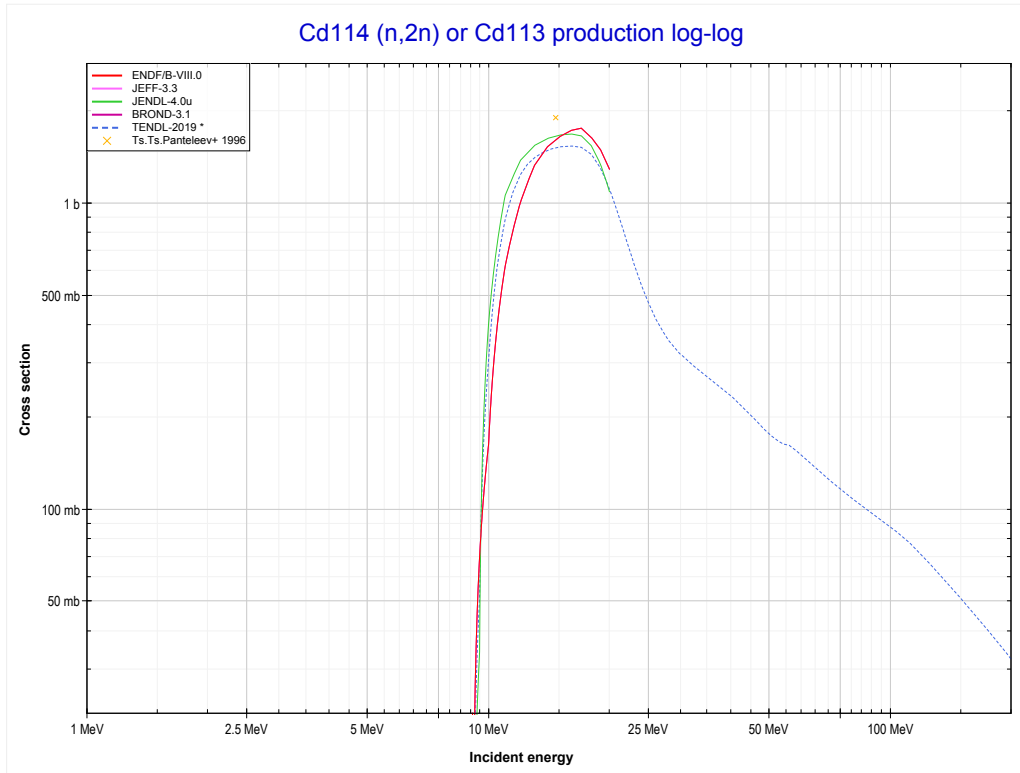
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.01604 b | 6.01604 b | 6.7491 b | 1.12185 | 134.709 b | 5.95151 b | 4.495 b |
| JEFF-3.3 | 6.01604 b | 6.01604 b | 6.7491 b | 1.12185 | 134.709 b | 5.95151 b | 4.495 b |
| JENDL-4.0u | 4.23121 b | 4.23121 b | 4.7308 b | 1.11806 | 113.733 b | 5.89993 b | 4.48462 b |
| BROND-3.1 | 6.01604 b | 6.01604 b | 6.7491 b | 1.12185 | 134.709 b | 5.95151 b | 4.495 b |
| TENDL-2019 | 7.34328 b | 7.34328 b | 8.2442 b | 1.12269 | 141.717 b | 5.85247 b | 4.5545 b |

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|------------------|------------------------|----------------|
| << 48-Cd-112 | 48-Cd-114 | 48-Cd-116 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



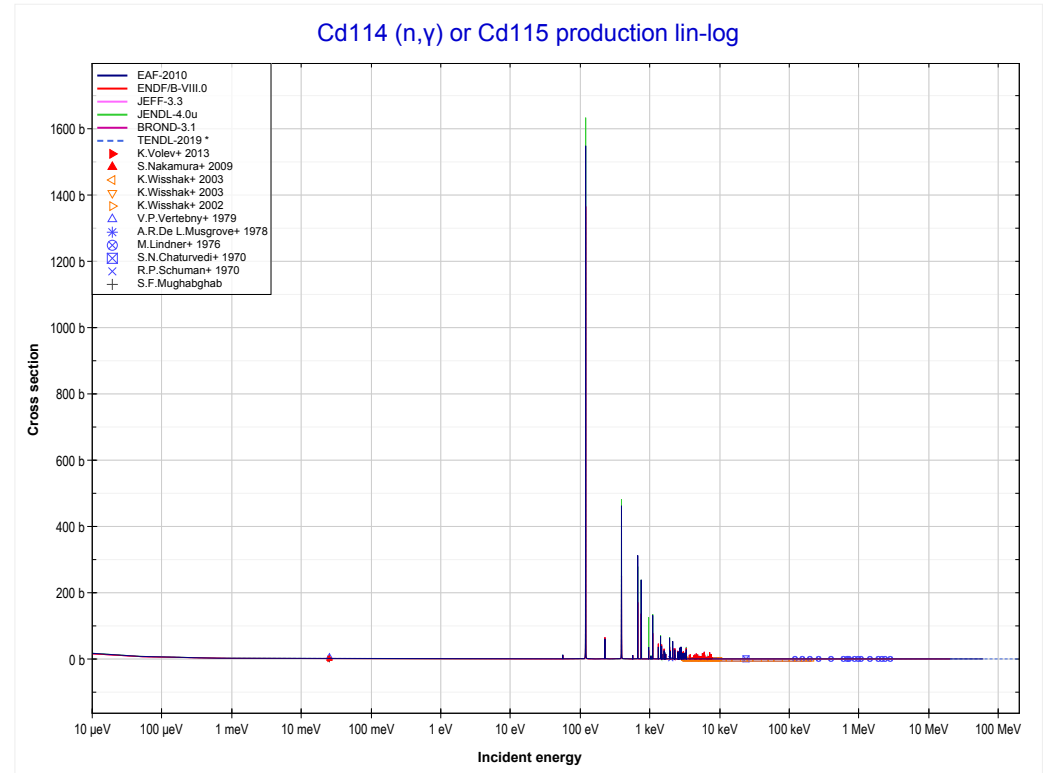
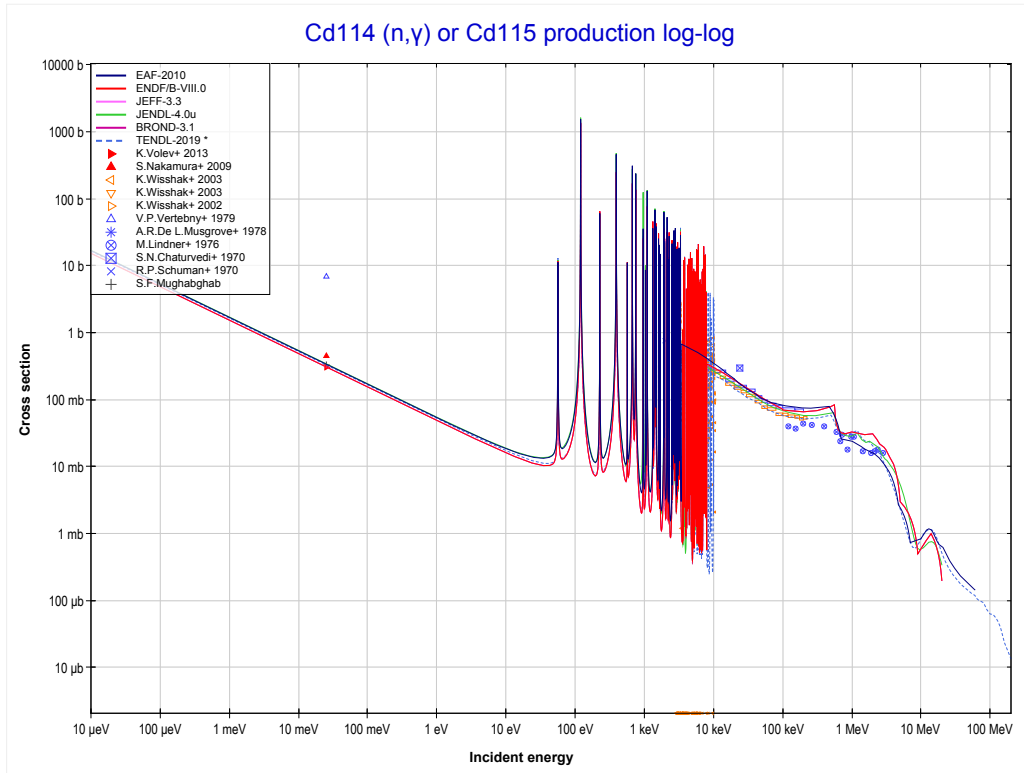
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.71059 b | 5.71059 b | 6.4435 b | 1.12834 | 122.363 b | 4.46696 b | 2.65403 b |
| JEFF-3.3 | 5.71059 b | 5.71059 b | 6.4435 b | 1.12834 | 122.363 b | 4.46696 b | 2.65403 b |
| JENDL-4.0u | 3.89071 b | 3.89071 b | 4.3901 b | 1.12835 | 97.0245 b | 4.39712 b | 2.4 b |
| BROND-3.1 | 5.71059 b | 5.71059 b | 6.4435 b | 1.12834 | 122.363 b | 4.46696 b | 2.65403 b |
| TENDL-2019 | 7.0155 b | 7.0155 b | 7.9164 b | 1.12841 | 129.776 b | 4.39684 b | 2.54872 b |

| | | |
|--------------------|--|-------------------------|
| << 48-Cd-112 | 48-Cd-114 | 48-Cd-116 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd113 production) | MT102 (n, γ) >> |



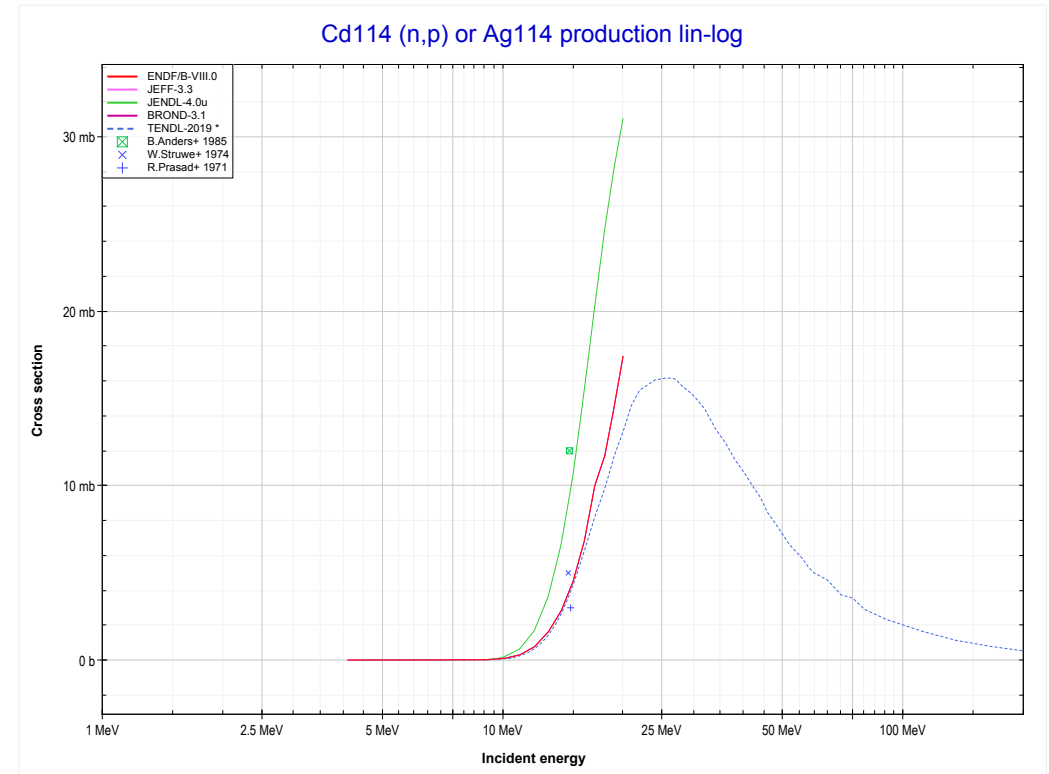
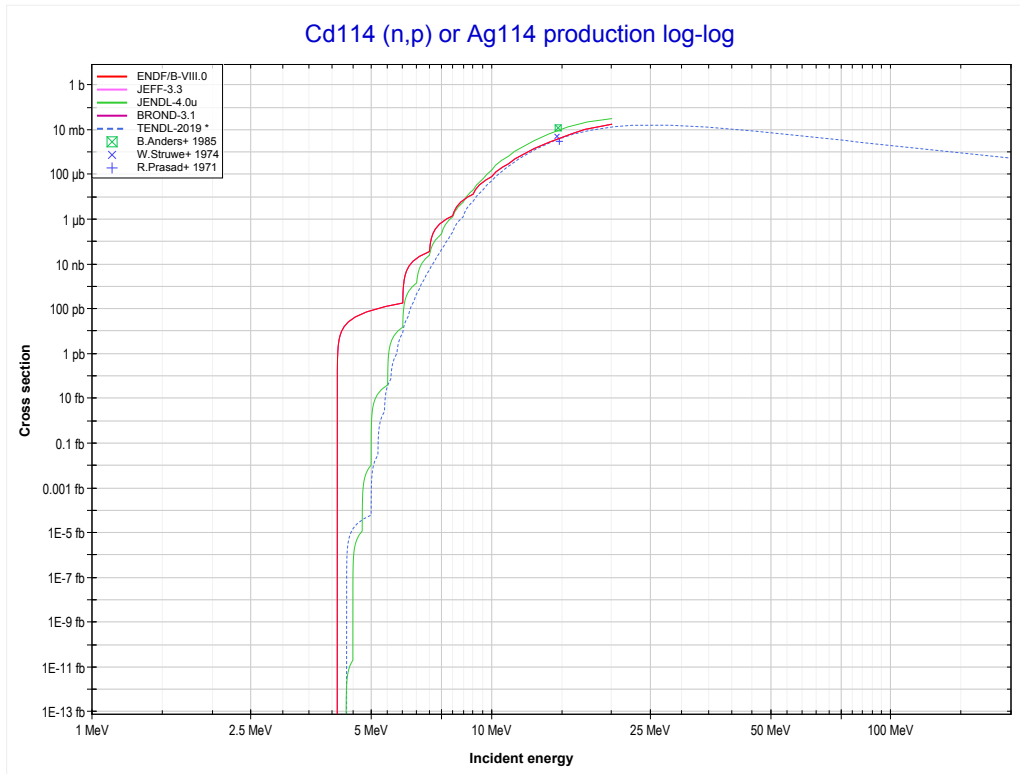
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152427 b | 1.5236 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152427 b | 1.5236 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00221323 b | 1.624 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152427 b | 1.5236 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0019316 b | 1.48523 b |

| | | |
|----------------|--|----------------|
| << 48-Cd-113 | 48-Cd-114 | 48-Cd-116 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Cd115 production) | MT103 (n,p) >> |



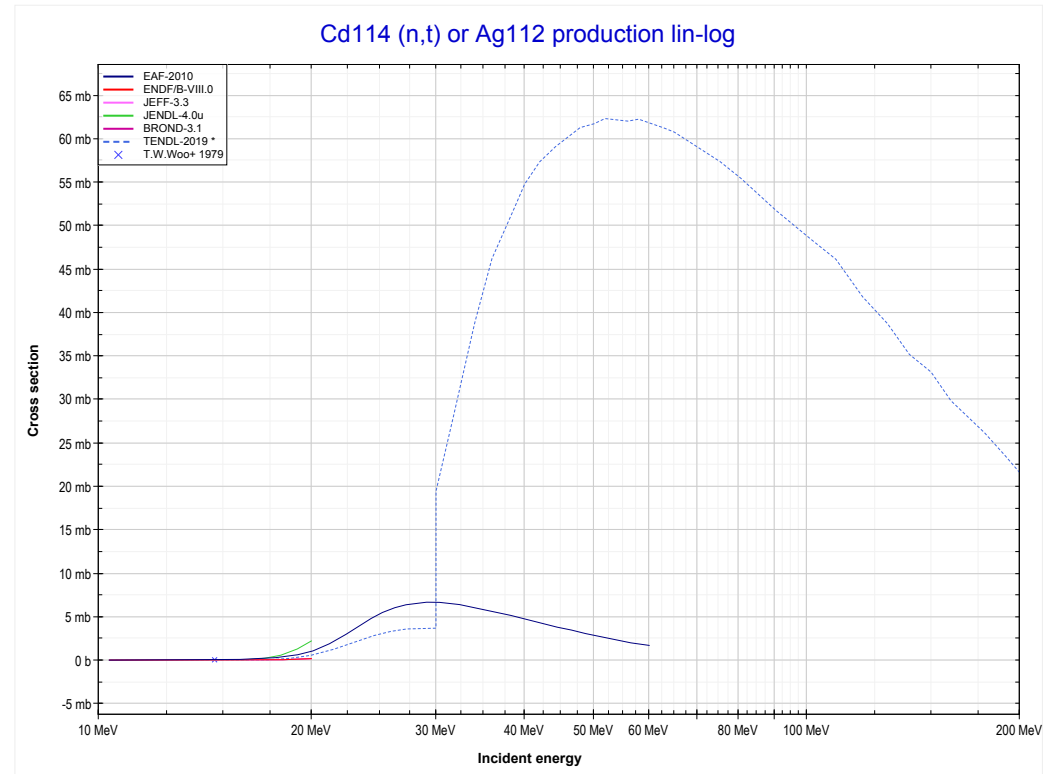
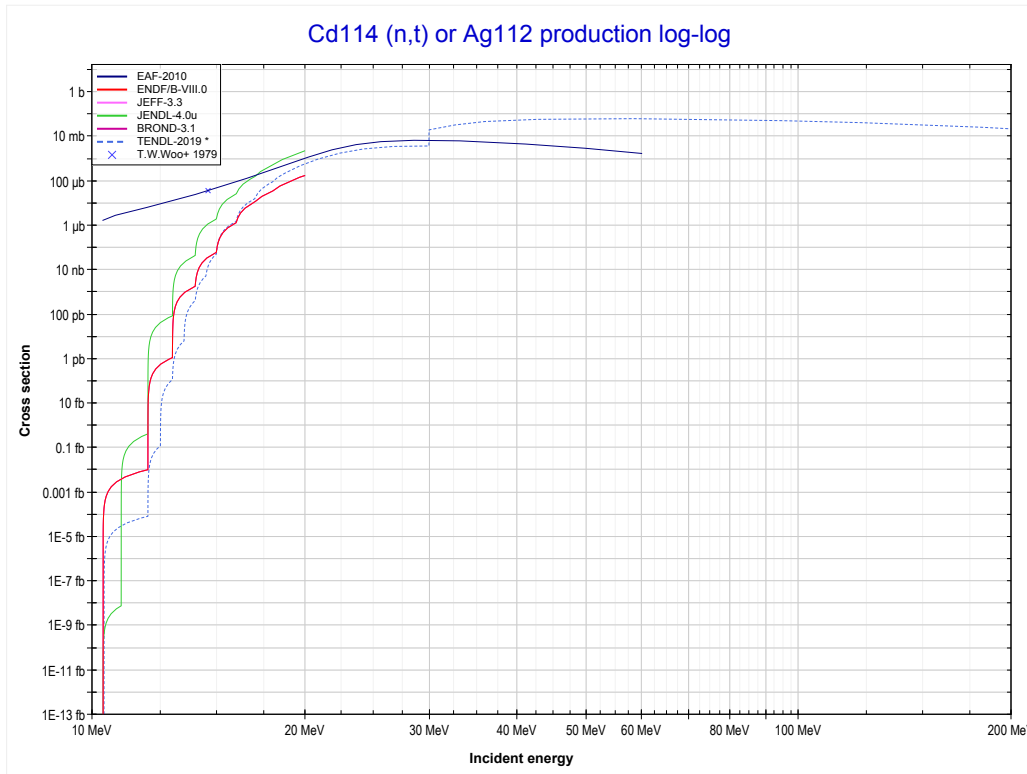
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.33639 b | 0.336139 b | 0.33607 b | 0.99981 | 16.2669 b | 0.0266398 b | 0.00115 b |
| ENDF/B-VIII.0 | 0.305448 b | 0.305448 b | 0.30558 b | 1.00044 | 12.3461 b | 0.0329063 b | 0.001 b |
| JEFF-3.3 | 0.305448 b | 0.305448 b | 0.30558 b | 1.00044 | 12.3461 b | 0.0329063 b | 0.001 b |
| JENDL-4.0u | 0.340507 b | 0.340507 b | 0.34068 b | 1.0005 | 16.7087 b | 0.0278695 b | 7.639E-4 b |
| BROND-3.1 | 0.305448 b | 0.305448 b | 0.30558 b | 1.00044 | 12.3461 b | 0.0329063 b | 0.001 b |
| TENDL-2019 | 0.327775 b | 0.327775 b | 0.32781 b | 1.00012 | 11.9266 b | 0.0260045 b | 0.00115108 b |

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|-------------------------|--|----------------|
| << 48-Cd-113 | 48-Cd-114 | 48-Cd-116 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag114 production) | MT105 (n,t) >> |



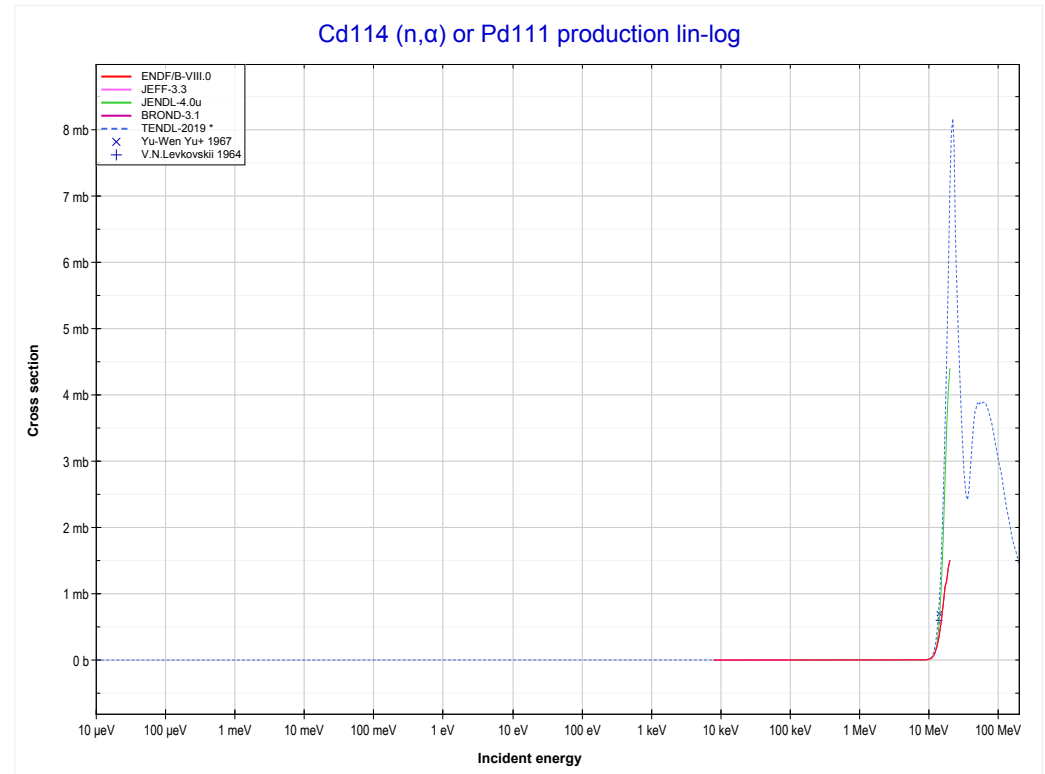
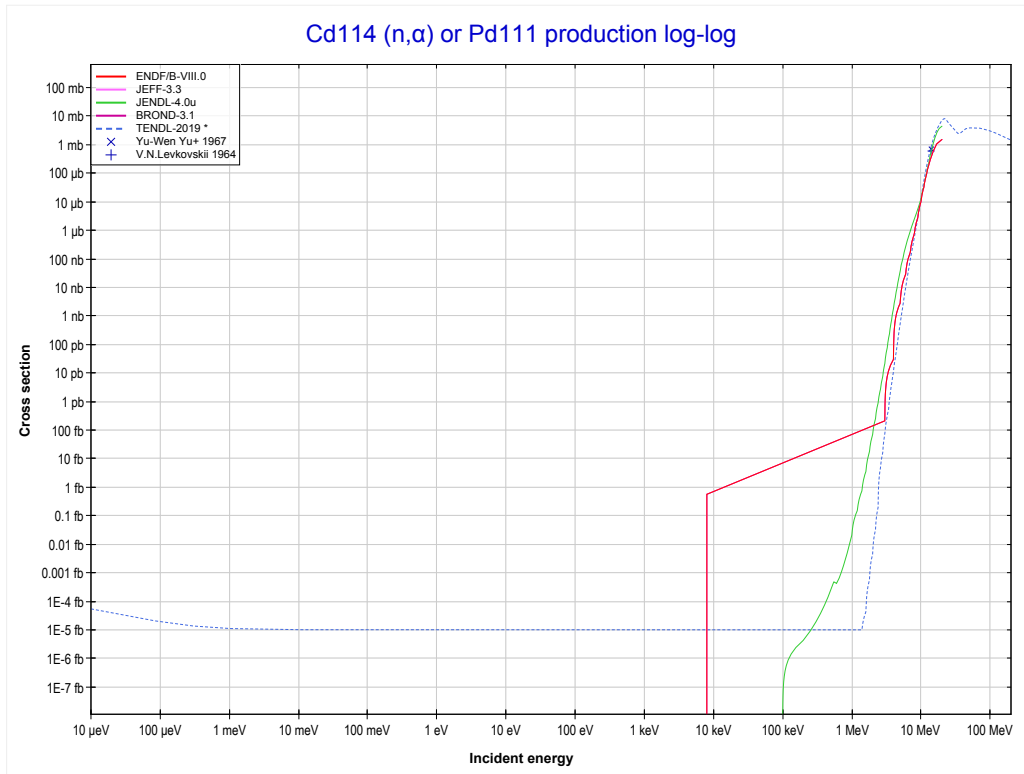
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7099E-6 b | 0.0028 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7099E-6 b | 0.0028 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.72912E-6 b | 0.006616 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7099E-6 b | 0.0028 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.40785E-6 b | 0.00263152 b |

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|----------------|--|-------------------------|
| << 48-Cd-106 | 48-Cd-114 | 49-In-115 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ag112 production) | MT107 (n, α) >> |



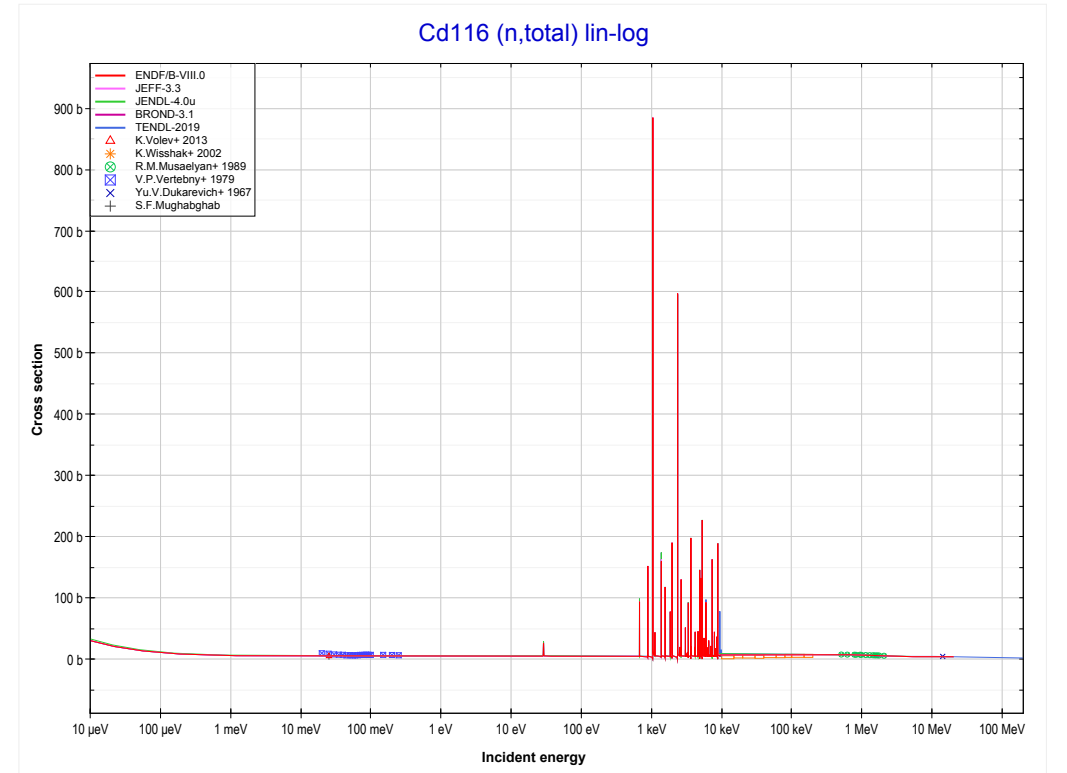
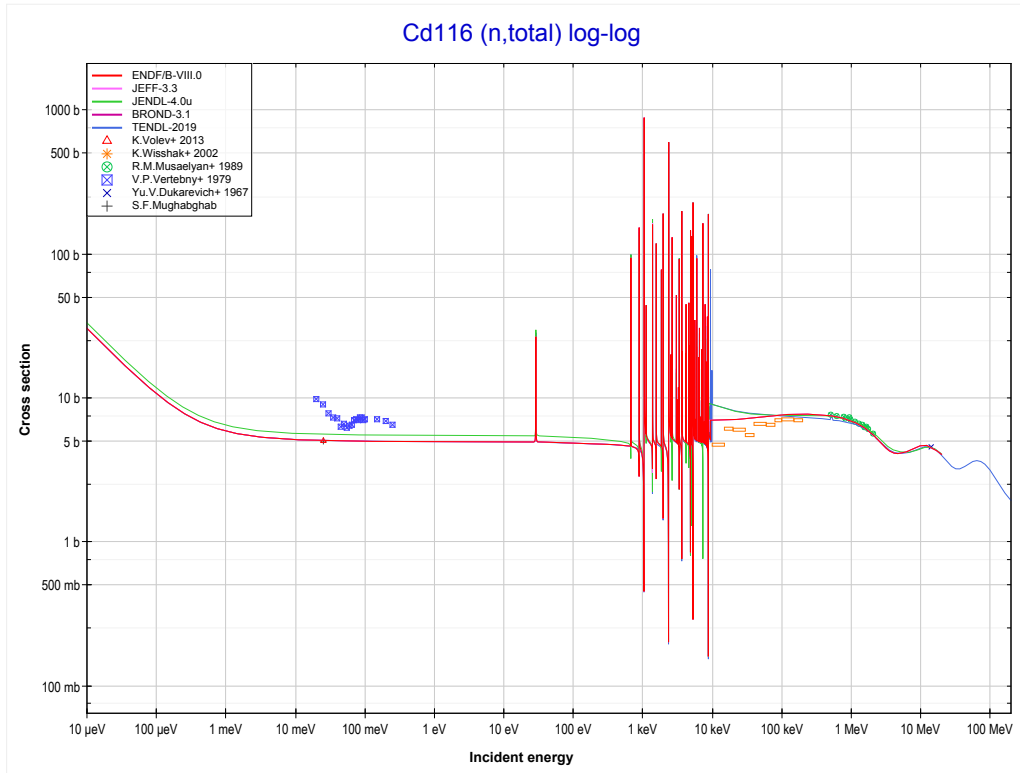
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.74929E-8 b | 2.40565E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.67612E-10 b | 1.8E-9 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.67612E-10 b | 1.8E-9 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.3623E-9 b | 4.212E-8 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.67612E-10 b | 1.8E-9 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73177E-9 b | 4.0118E-10 b |

| | | |
|----------------|--|----------------------------|
| << 48-Cd-112 | 48-Cd-114 | 48-Cd-116 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Pd111 production) | 48-Cd-116 MT1 (n,total) >> |



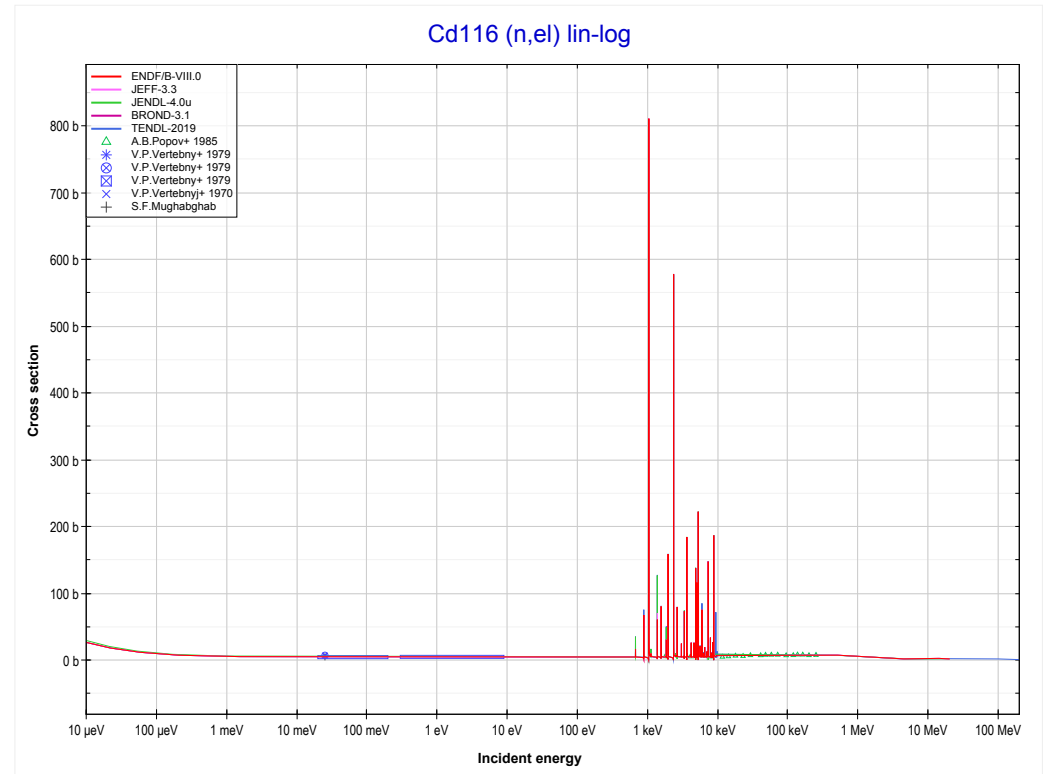
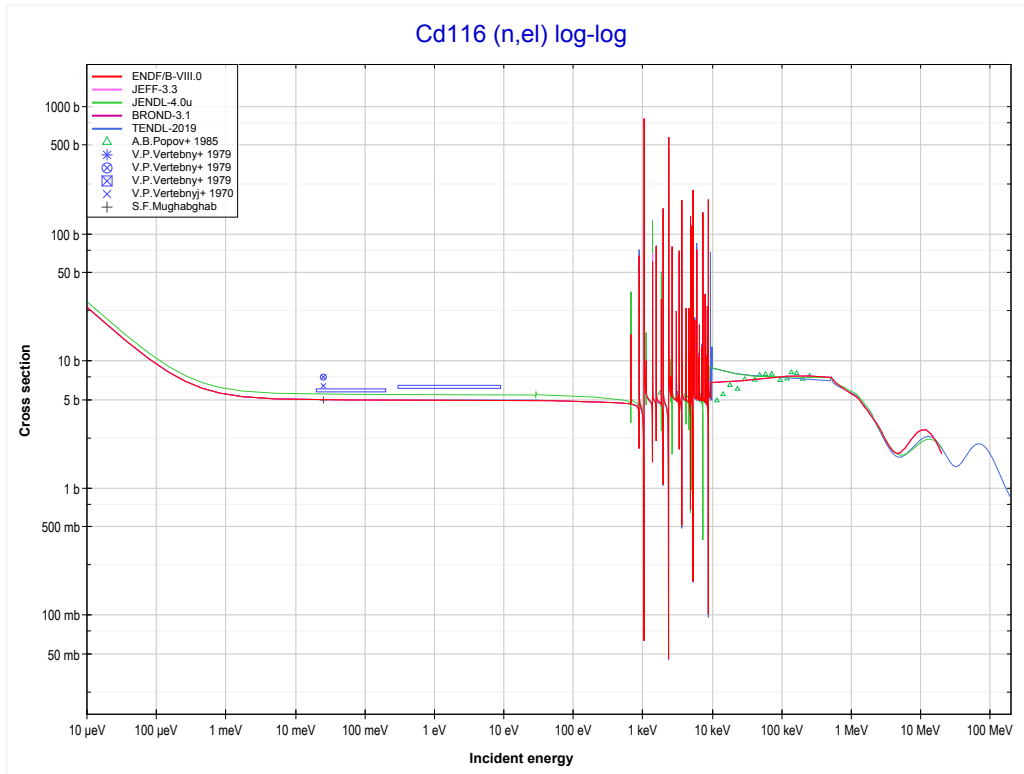
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 6.44E-15 b | 2.16077E-7 b | 3.6E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 6.44E-15 b | 2.16077E-7 b | 3.6E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.56118E-7 b | 5.453E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 6.44E-15 b | 2.16077E-7 b | 3.6E-4 b |
| TENDL-2019 | 1.0044E-20 b | 1.0044E-20 b | 1.1334E-20 b | 1.12846 | 1.22064E-19 b | 4.58175E-7 b | 8.47354E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-115 >> |
| << 48-Cd-114 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



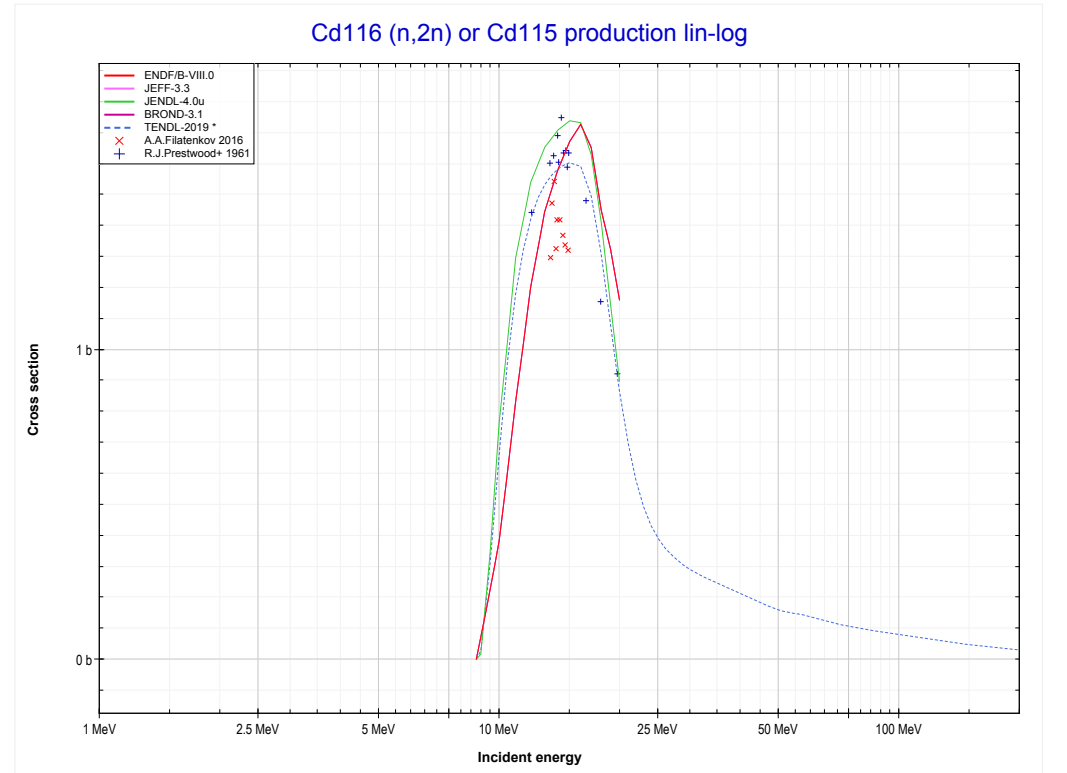
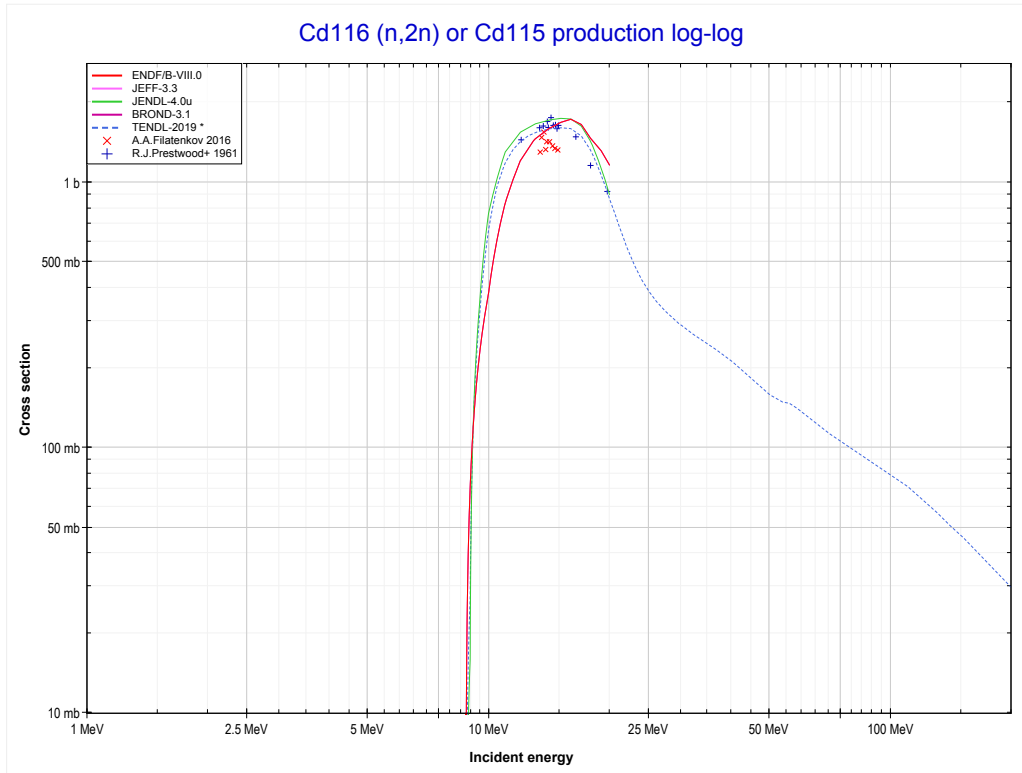
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.04052 b | 5.04052 b | 5.6778 b | 1.12643 | 71.0859 b | 5.98596 b | 4.53099 b |
| JEFF-3.3 | 5.04021 b | 5.04021 b | 5.6775 b | 1.12644 | 71.1761 b | 5.98602 b | 4.53099 b |
| JENDL-4.0u | 5.57264 b | 5.57264 b | 6.2784 b | 1.12664 | 76.3117 b | 6.07769 b | 4.53005 b |
| BROND-3.1 | 5.04052 b | 5.04052 b | 5.6778 b | 1.12643 | 71.1762 b | 5.98602 b | 4.53099 b |
| TENDL-2019 | 5.04358 b | 5.04358 b | 5.6818 b | 1.12654 | 72.6493 b | 5.85975 b | 4.54906 b |

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|------------------|------------------------|----------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-113 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



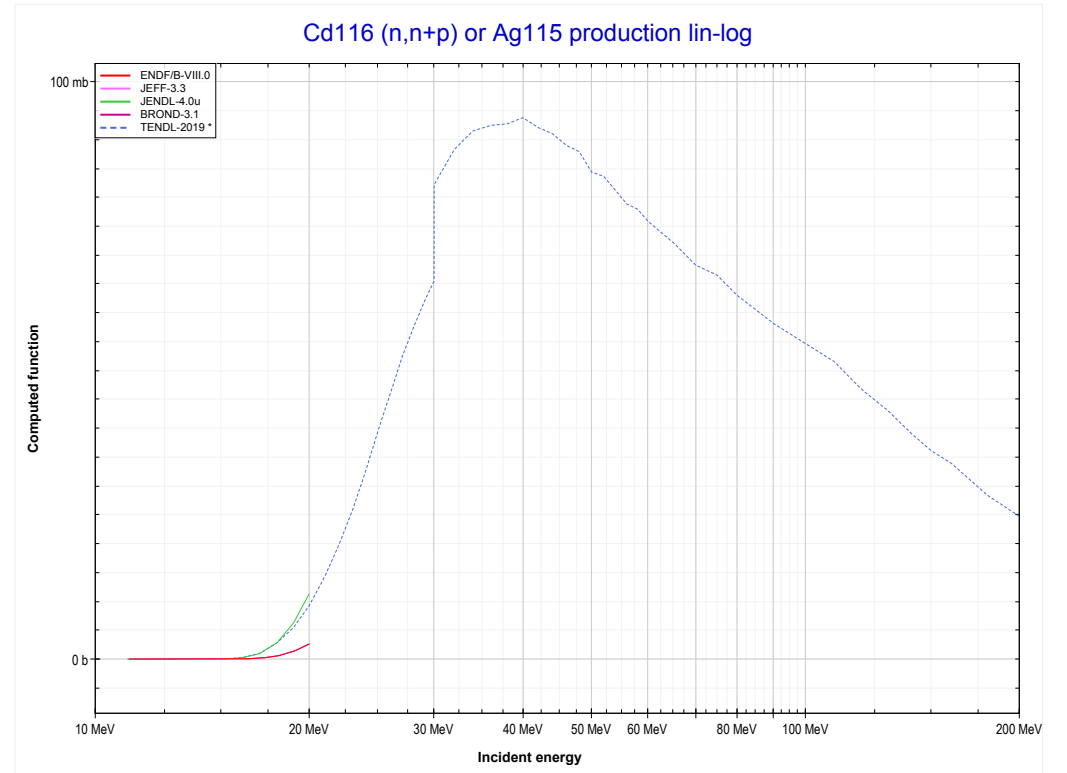
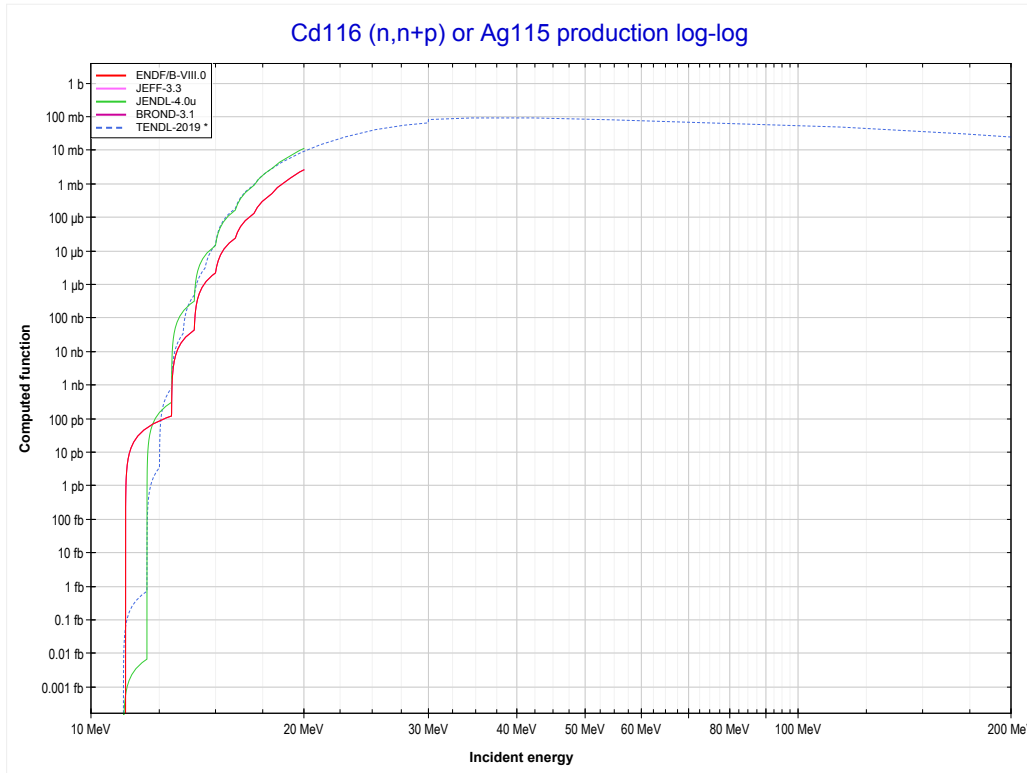
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.96434 b | 4.96434 b | 5.6016 b | 1.12837 | 69.3083 b | 4.5028 b | 2.693 b |
| JEFF-3.3 | 4.96434 b | 4.96434 b | 5.6016 b | 1.12837 | 69.4021 b | 4.50285 b | 2.693 b |
| JENDL-4.0u | 5.49778 b | 5.49778 b | 6.2035 b | 1.12836 | 74.7268 b | 4.5721 b | 2.437 b |
| BROND-3.1 | 4.96434 b | 4.96434 b | 5.6016 b | 1.12837 | 69.3877 b | 4.50285 b | 2.693 b |
| TENDL-2019 | 4.96936 b | 4.96936 b | 5.6076 b | 1.12843 | 71.1334 b | 4.41855 b | 2.54334 b |

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|--------------------|--|-----------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-113 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cd115 production) | MT28 (n,n+p) >> |



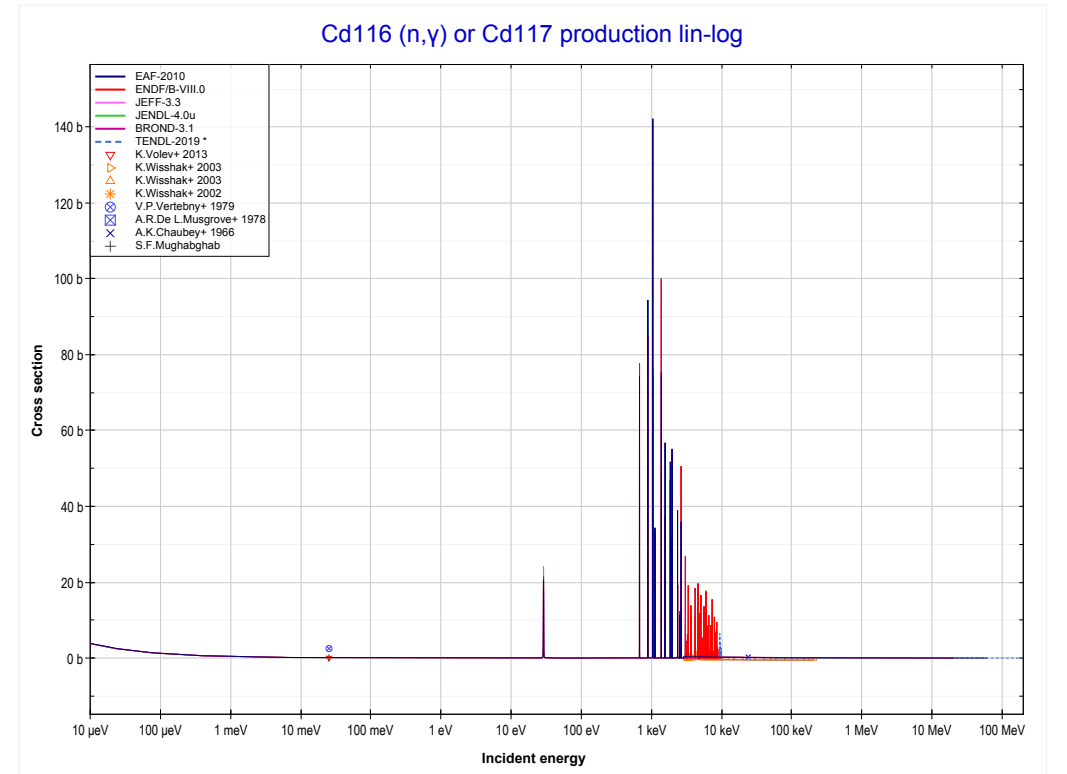
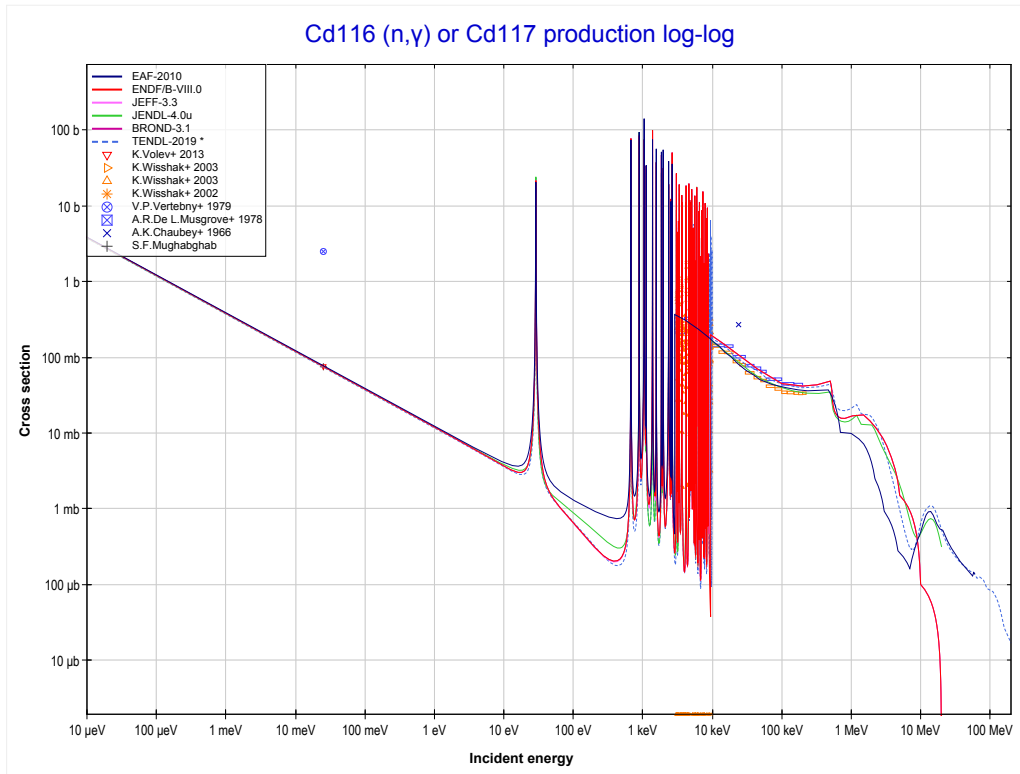
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00220774 b | 1.5768 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00220774 b | 1.5768 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00313978 b | 1.707 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00220774 b | 1.5768 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00287857 b | 1.58137 b |

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|----------------|---|-------------------------|
| << 48-Cd-113 | 48-Cd-116 | 50-Sn-112 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Ag115 production) | MT102 (n, γ) >> |



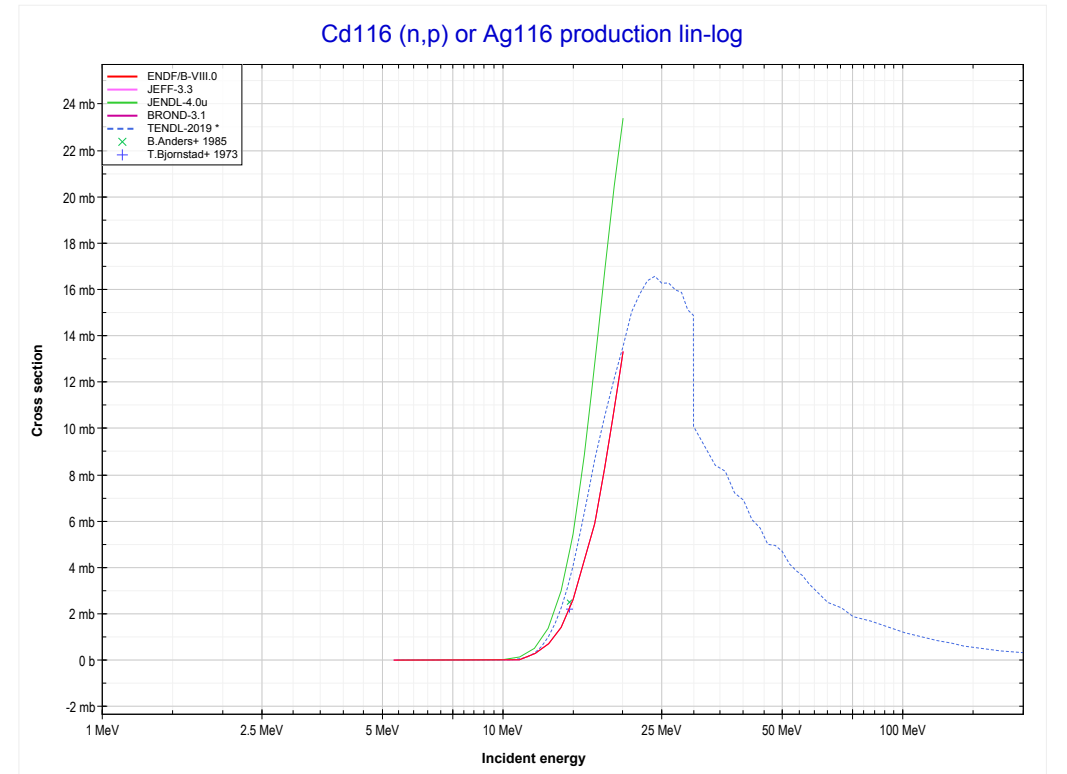
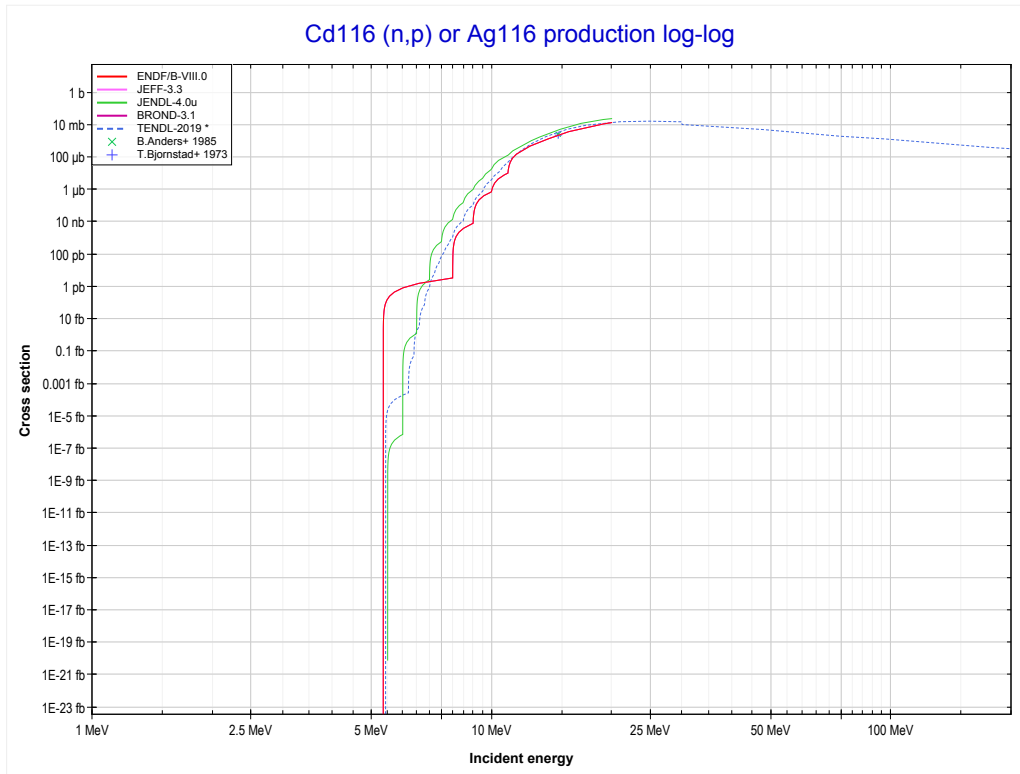
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.76253E-9 b | 4.4E-8 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.76253E-9 b | 4.4E-8 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.18195E-8 b | 3.183E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.76253E-9 b | 4.4E-8 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90093E-8 b | 4.84781E-7 b |

| | | |
|-----------------|--|----------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-113 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Cd117 production) | MT103 (n,p) >> |



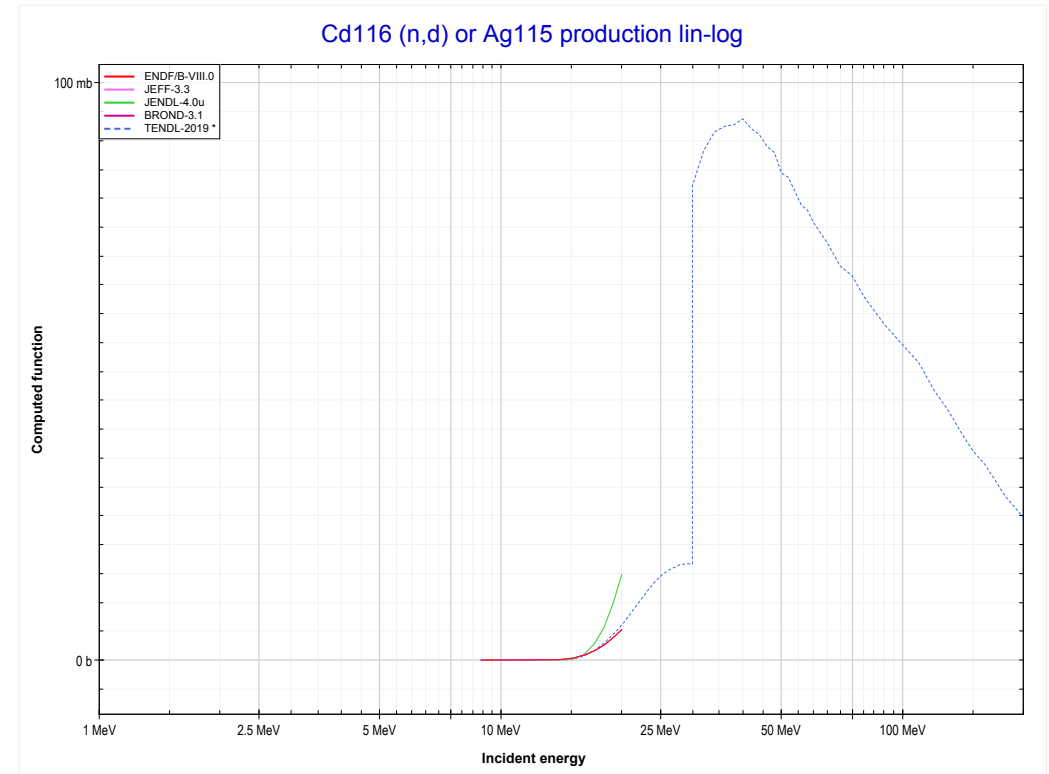
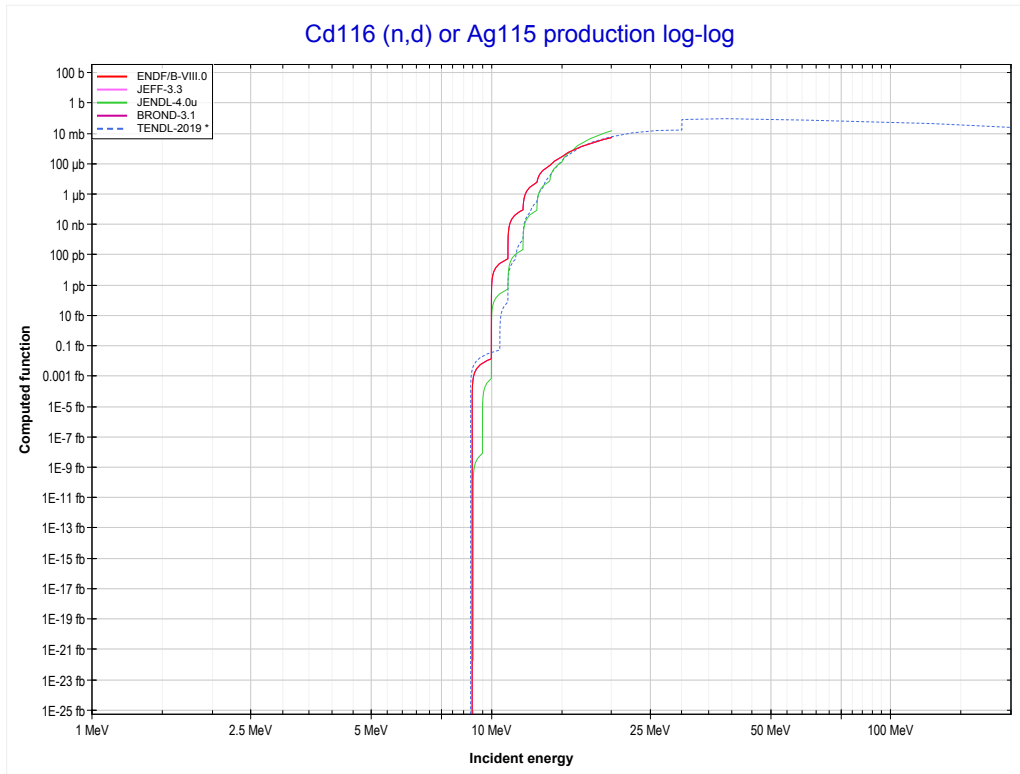
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0769409 b | 0.0768833 b | 0.076864 b | 0.99975 | 2.0027 b | 0.0105883 b | 9.18E-4 b |
| ENDF/B-VIII.0 | 0.0761824 b | 0.0761824 b | 0.076205 b | 1.0003 | 1.77761 b | 0.0172383 b | 6E-5 b |
| JEFF-3.3 | 0.0758695 b | 0.0758695 b | 0.075892 b | 1.0003 | 1.77408 b | 0.0172447 b | 6E-5 b |
| JENDL-4.0u | 0.0748632 b | 0.0748632 b | 0.074892 b | 1.00039 | 1.5849 b | 0.0142446 b | 7.412E-4 b |
| BROND-3.1 | 0.0761824 b | 0.0761824 b | 0.076205 b | 1.0003 | 1.78852 b | 0.0172452 b | 6E-5 b |
| TENDL-2019 | 0.0742175 b | 0.0742175 b | 0.074215 b | 0.99997 | 1.50288 b | 0.0182509 b | 0.00109628 b |

| | | |
|-------------------------|--|----------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-115 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ag116 production) | MT104 (n,d) >> |



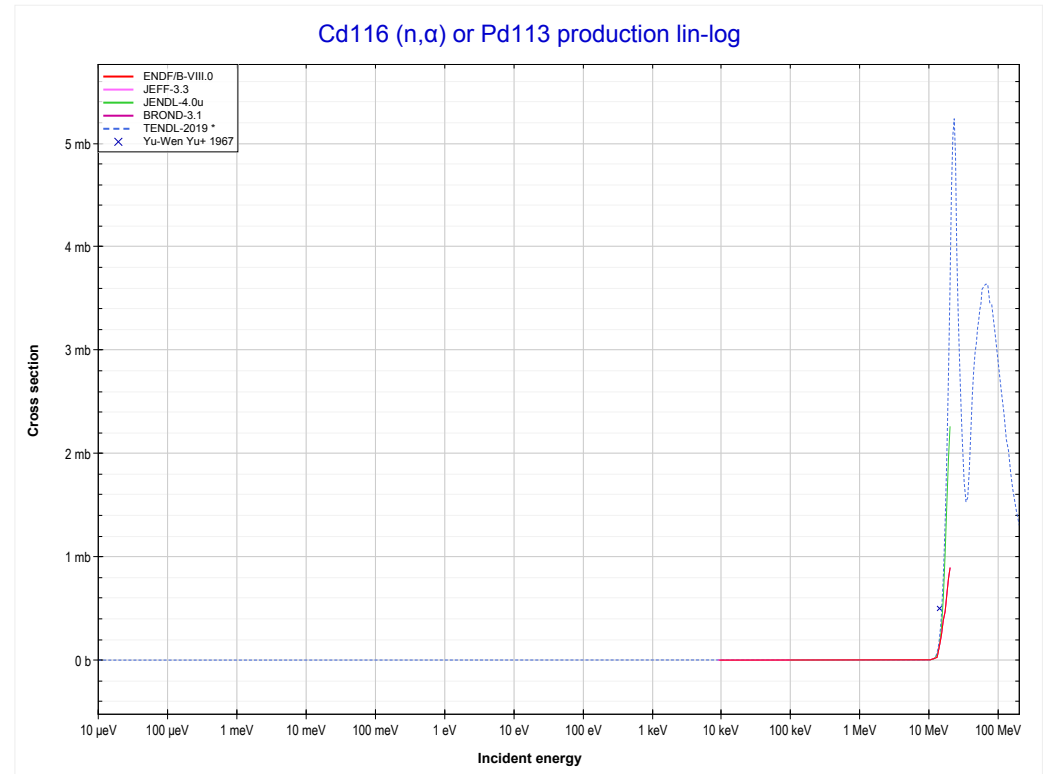
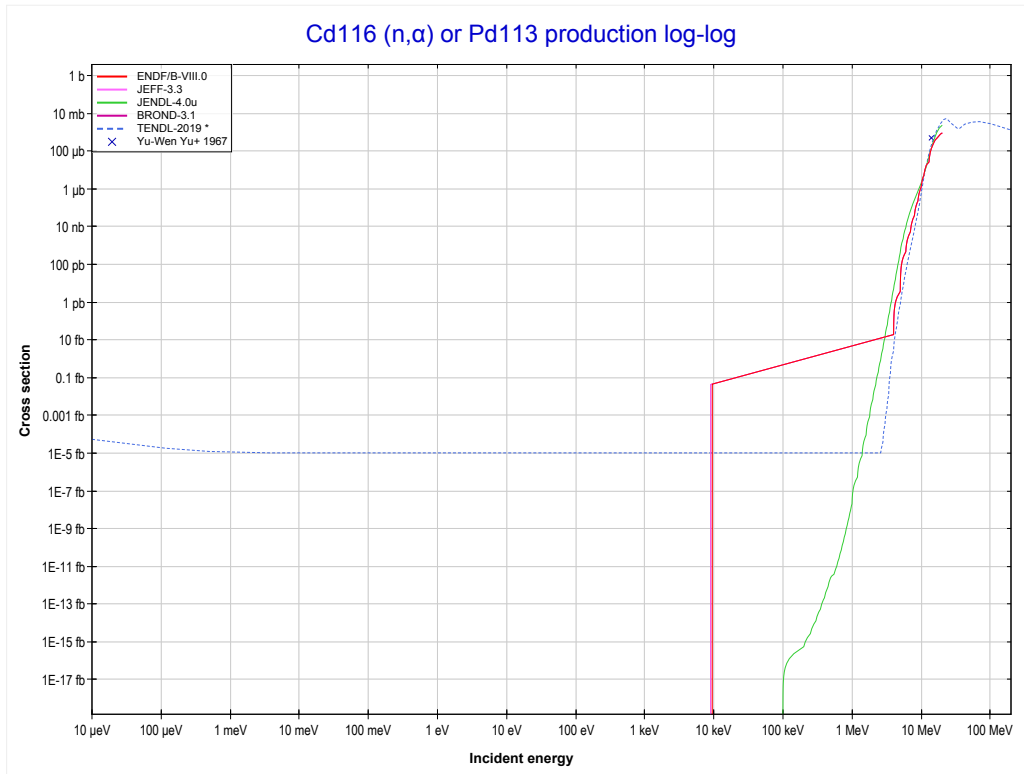
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91712E-7 b | 0.0014 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91712E-7 b | 0.0014 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.50608E-6 b | 0.002968 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91712E-7 b | 0.0014 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.80203E-7 b | 0.0022308 b |

| | | |
|----------------|--|-------------------------|
| << 48-Cd-113 | 48-Cd-116 | 50-Sn-112 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ag115 production) | MT107 (n, α) >> |



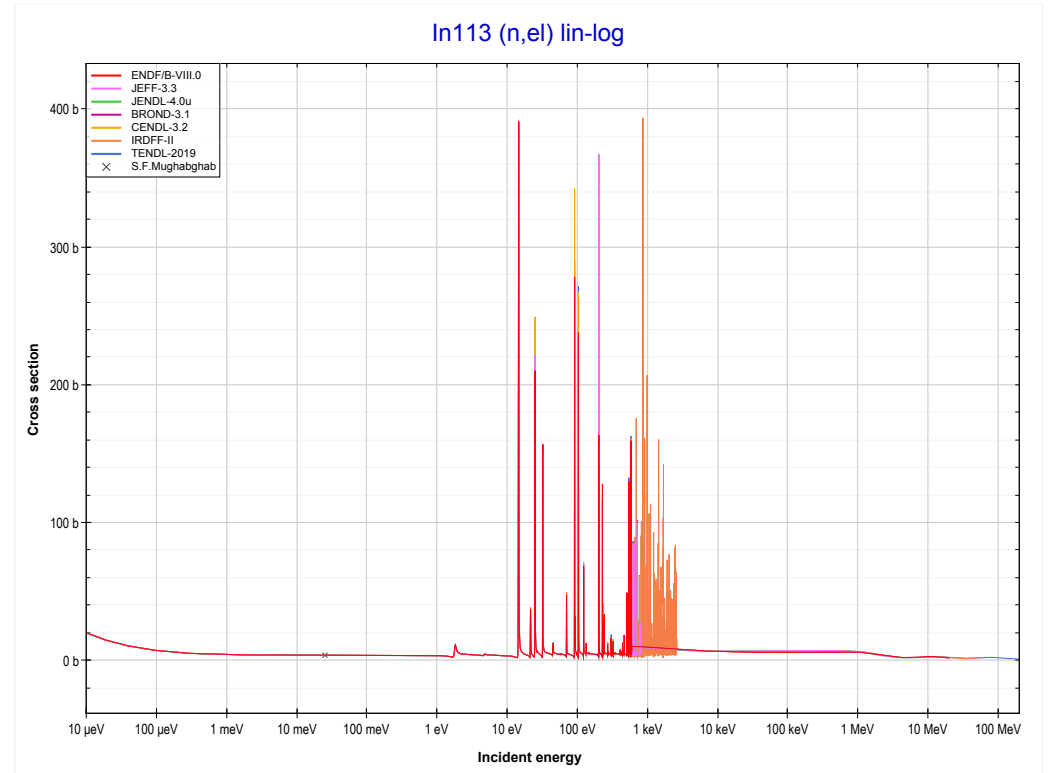
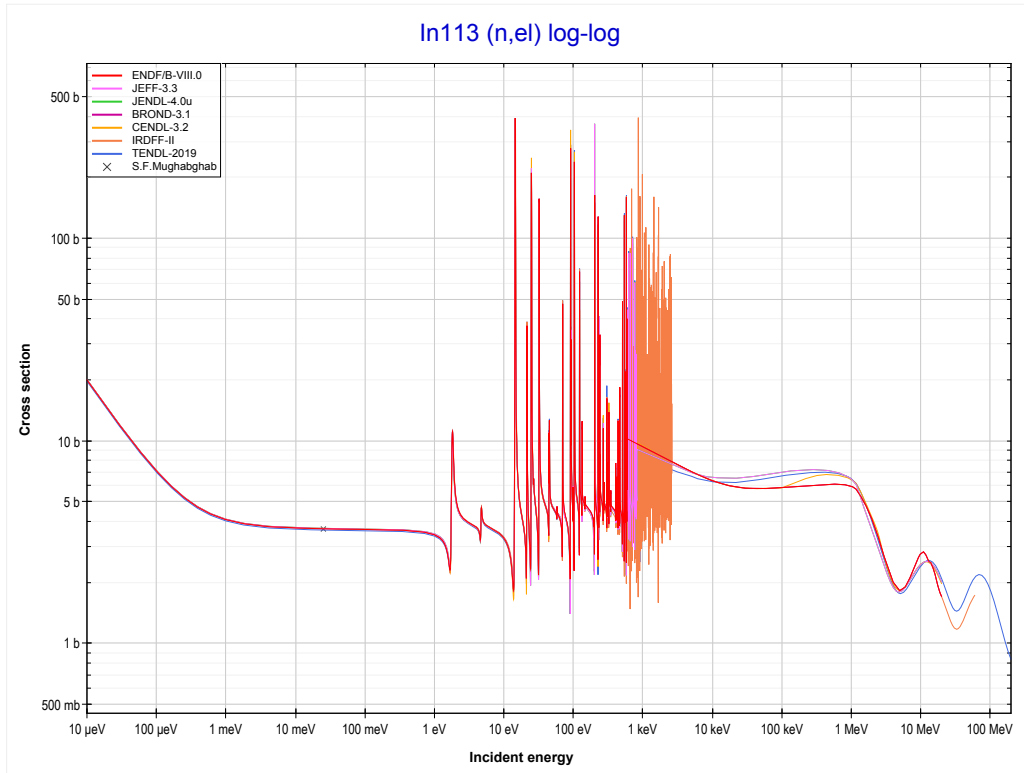
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.79102E-8 b | 7.3E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.79102E-8 b | 7.3E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.12854E-7 b | 7.197E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.79102E-8 b | 7.3E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.50382E-8 b | 1.48534E-5 b |

| | | |
|----------------|--|------------------------------|
| << 48-Cd-114 | 48-Cd-116 | 49-In-113 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Pd113 production) | 49-In-113 MT2 (n,elastic) >> |



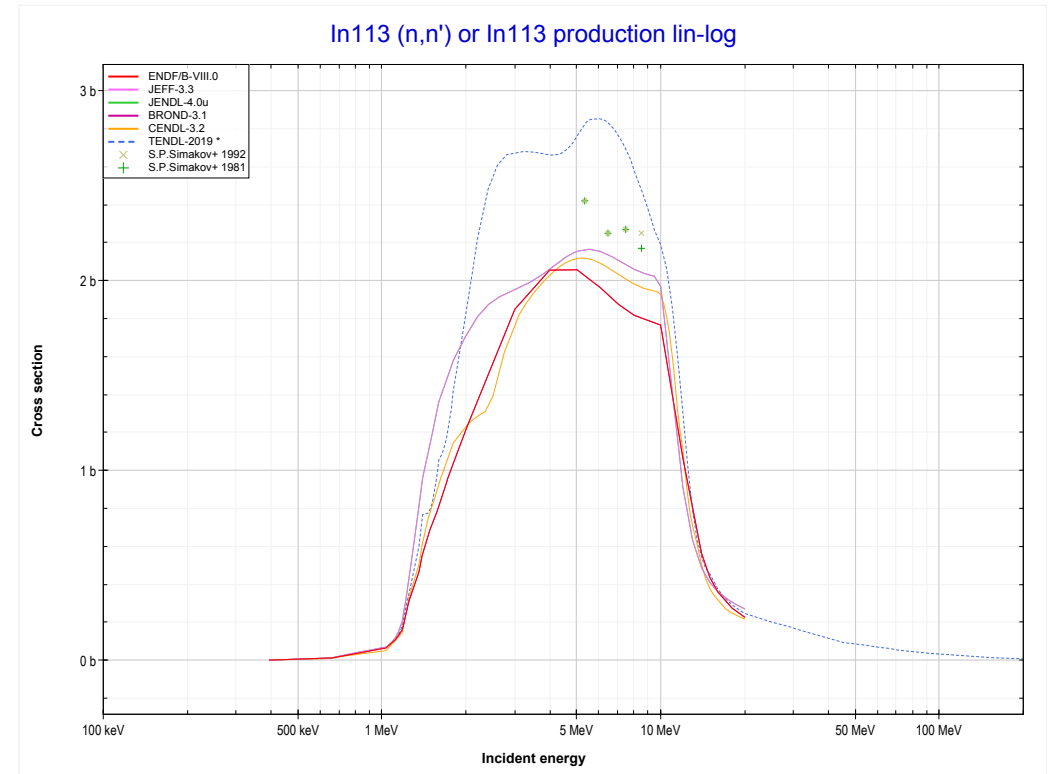
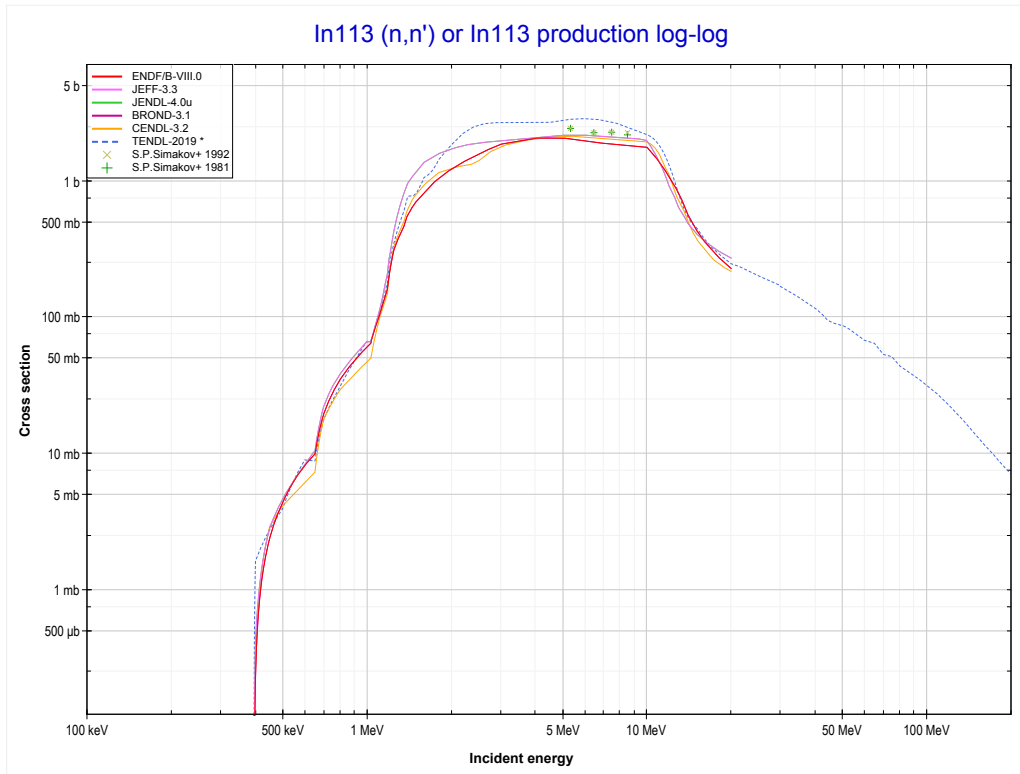
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.29875E-16 b | 5.90333E-8 b | 1.3E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.3225E-16 b | 5.90333E-8 b | 1.3E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.69657E-8 b | 1.279E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.32251E-16 b | 5.90333E-8 b | 1.3E-4 b |
| TENDL-2019 | 1.0044E-20 b | 1.0044E-20 b | 1.1333E-20 b | 1.12838 | 1.22064E-19 b | 1.07819E-7 b | 1.96563E-4 b |

| | | |
|-----------------------------------|------------------------|---------------|
| << 48-Cd-116 | 49-In-113 | 49-In-115 >> |
| << 48-Cd-116 MT107 (n, α) | MT2 (n,elastic) | MT4 (n,n') >> |



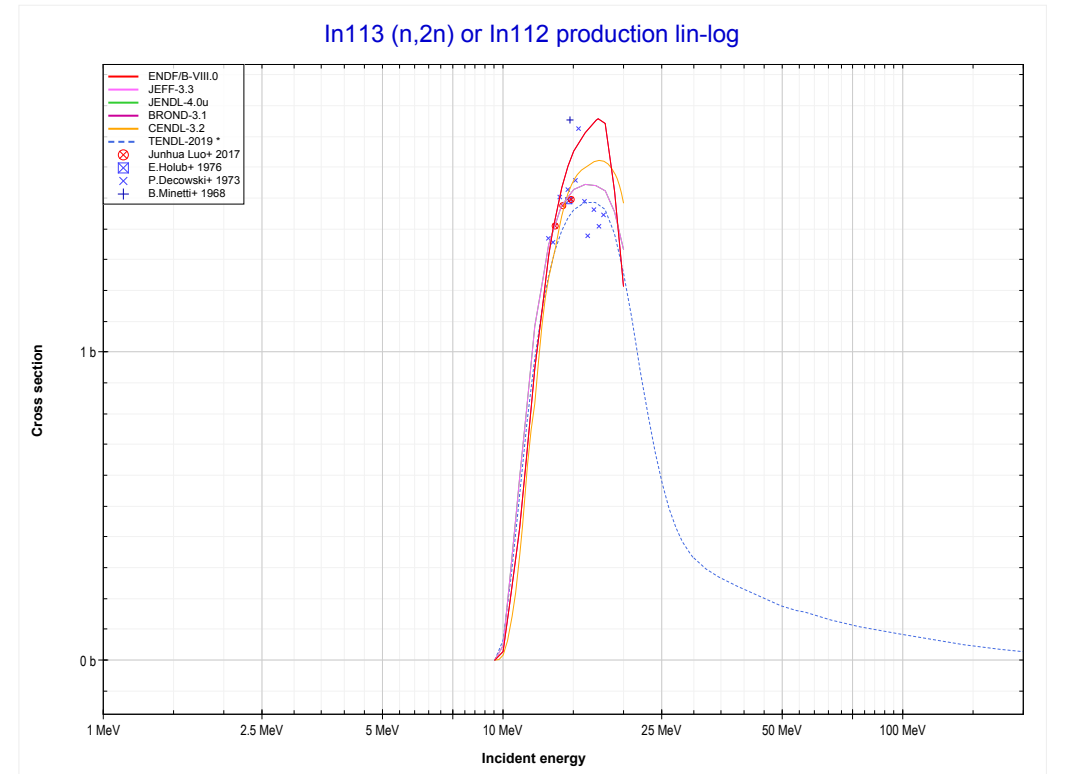
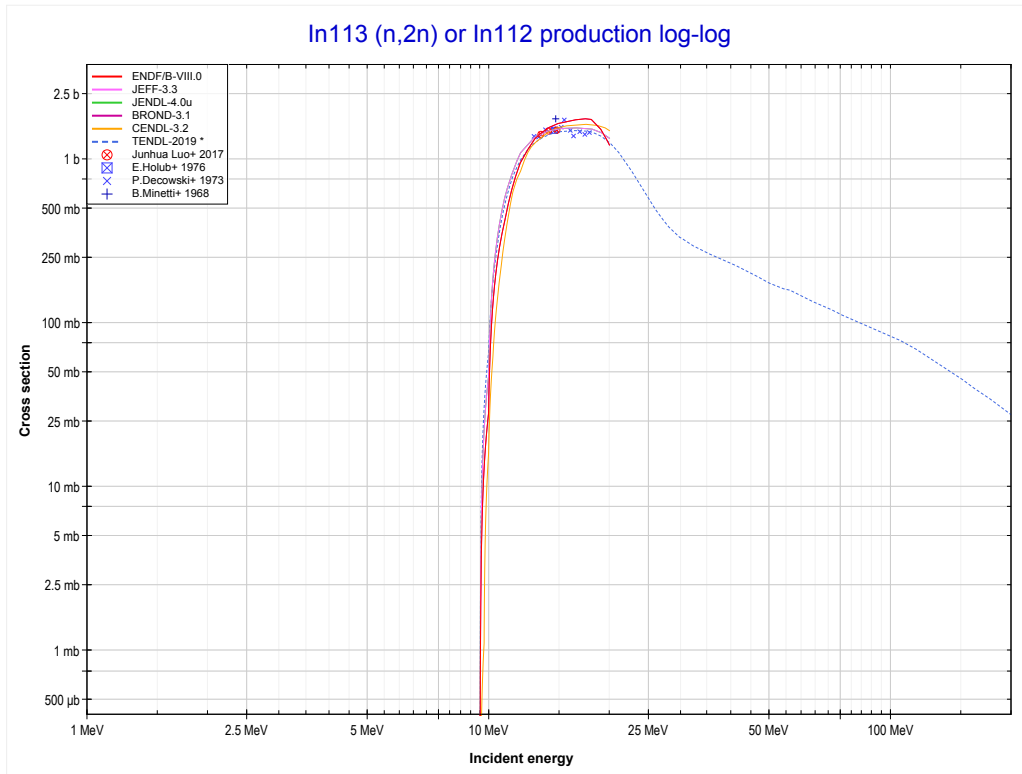
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.68263 b | 3.68263 b | 4.1518 b | 1.1274 | 85.1047 b | 4.45299 b | 2.51064 b |
| JEFF-3.3 | 3.69829 b | 3.69829 b | 4.1697 b | 1.12748 | 85.1117 b | 4.6116 b | 2.503 b |
| JENDL-4.0u | 3.69829 b | 3.69829 b | 4.1697 b | 1.12748 | 85.1117 b | 4.6116 b | 2.503 b |
| BROND-3.1 | 3.68263 b | 3.68263 b | 4.1518 b | 1.1274 | 85.1047 b | 4.45299 b | 2.51064 b |
| CENDL-3.2 | 3.69542 b | 3.69542 b | 4.1666 b | 1.12751 | 84.3851 b | 4.70735 b | 2.4689 b |
| IRDFF-II | 3.68606 b | 3.68606 b | 4.1567 b | 1.12768 | 88.4555 b | 4.45362 b | 2.51064 b |
| TENDL-2019 | 3.62701 b | 3.62701 b | 4.0893 b | 1.12746 | 82.7477 b | 4.71568 b | 2.55514 b |

| | | |
|--------------------|---|----------------|
| << 48-Cd-111 | 49-In-113 | 49-In-115 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (In113 production) | MT16 (n,2n) >> |



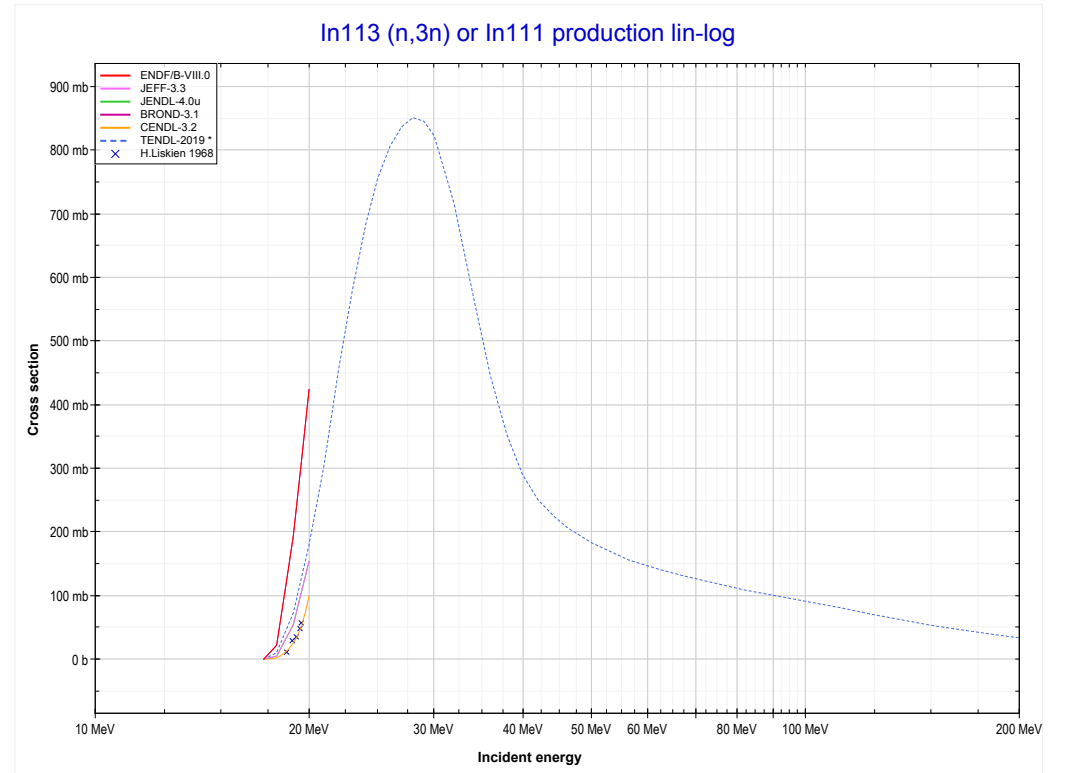
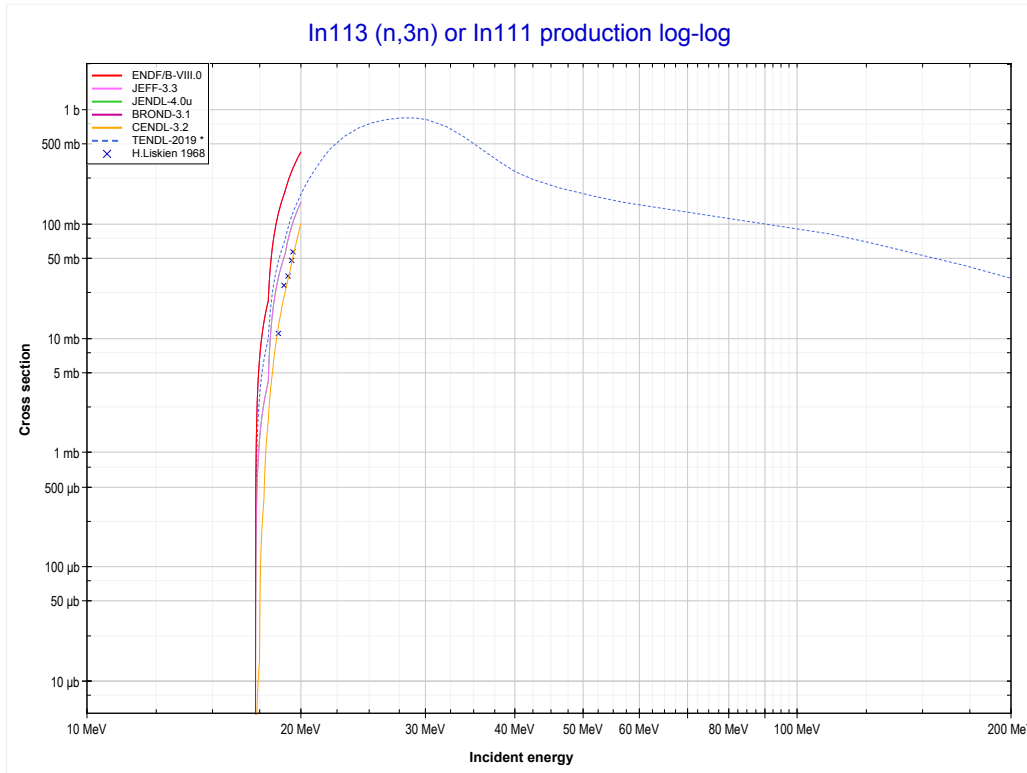
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.882897 b | 0.565341 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05846 b | 0.487908 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.05846 b | 0.487908 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.882897 b | 0.565341 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.883629 b | 0.507199 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25123 b | 0.546071 b |

| | | |
|---------------|--|----------------|
| << 48-Cd-116 | 49-In-113 | 49-In-115 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (In112 production) | MT17 (n,3n) >> |



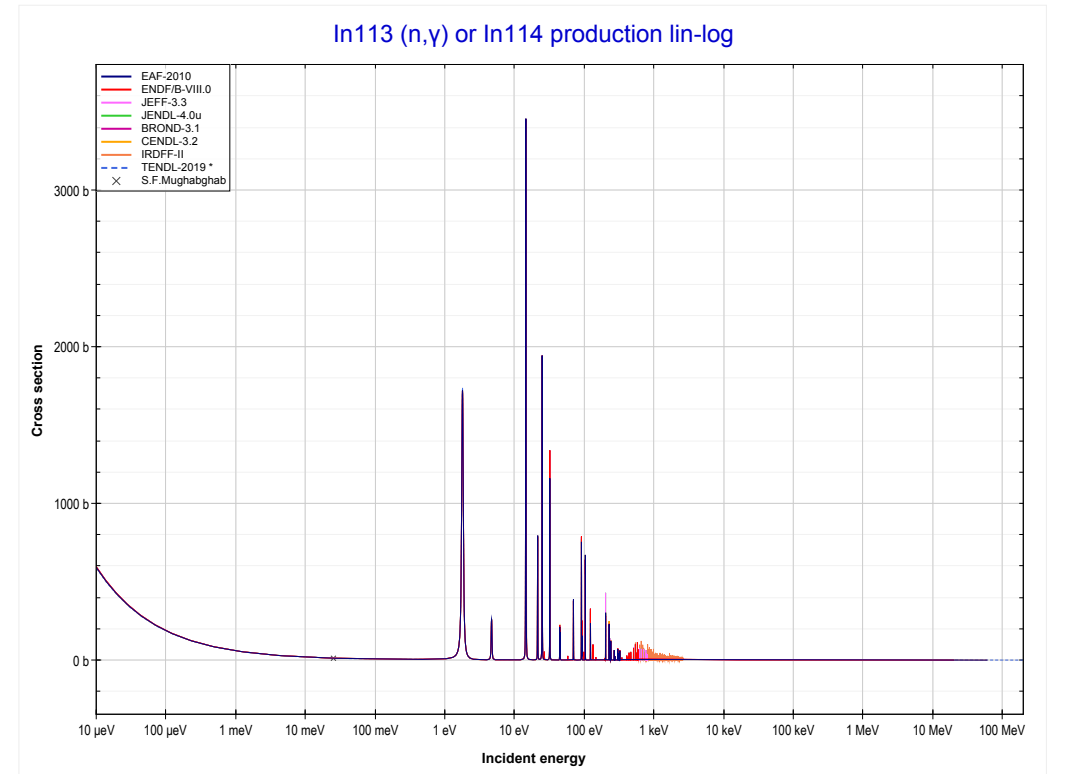
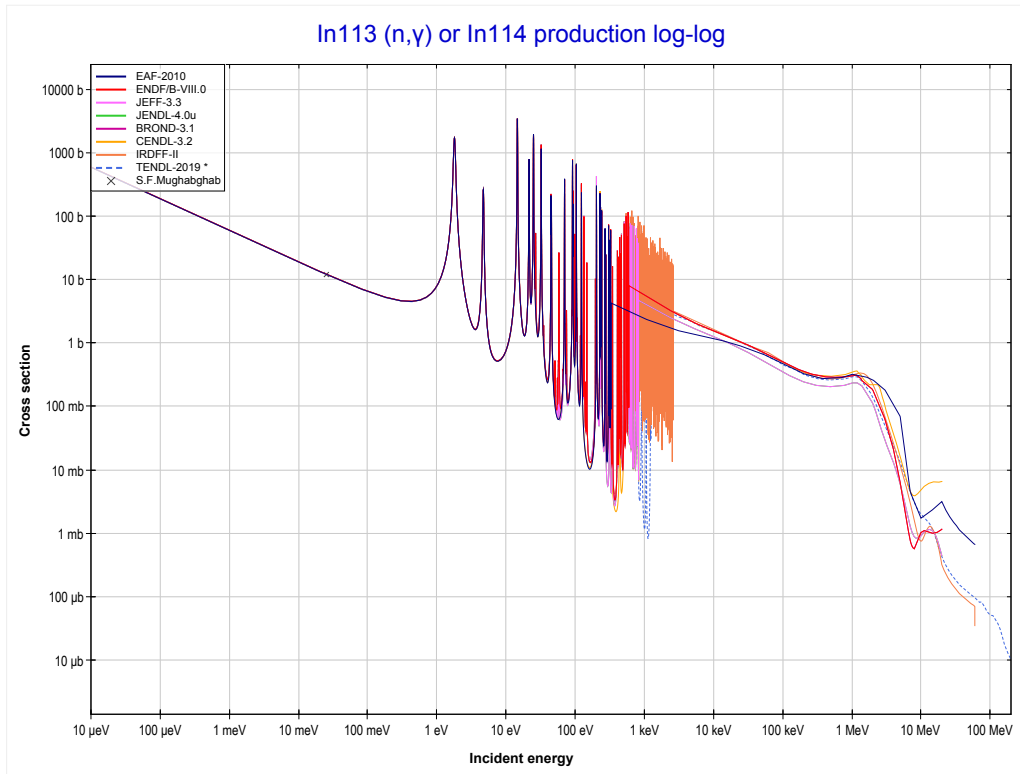
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00118052 b | 1.53019 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00135377 b | 1.475 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00135377 b | 1.475 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00118052 b | 1.53019 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00101979 b | 1.4387 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00126305 b | 1.39186 b |

| | | |
|----------------|--|-------------------------|
| << 47-Ag-109 | 49-In-113 | 53-I-127 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (In111 production) | MT102 (n, γ) >> |



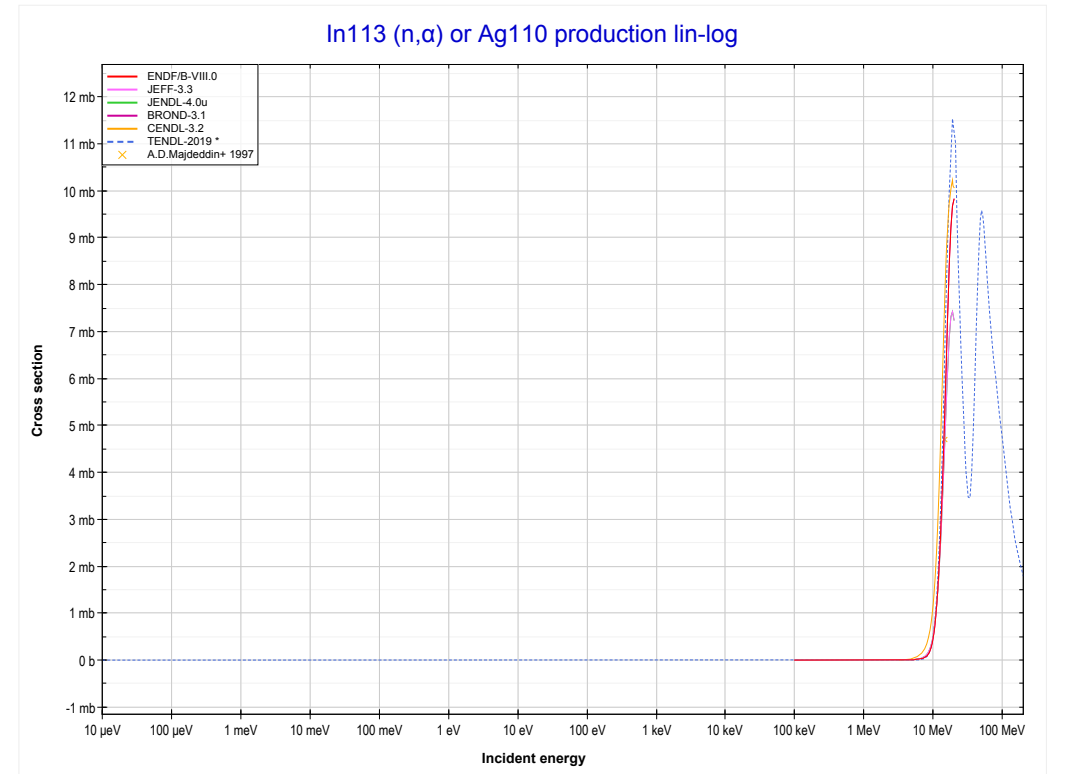
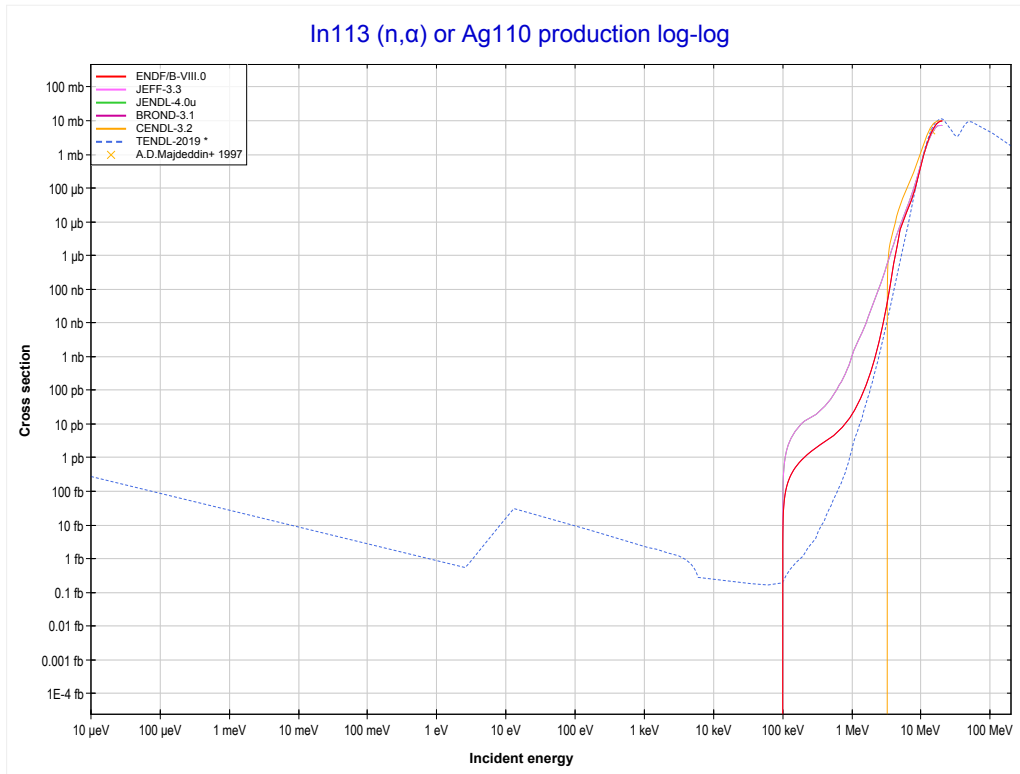
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.96553E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.69748E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.69748E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.96553E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24457E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.59111E-7 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 48-Cd-116 | 49-In-113 | 49-In-115 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (In114 production) | MT107 (n, α) >> |



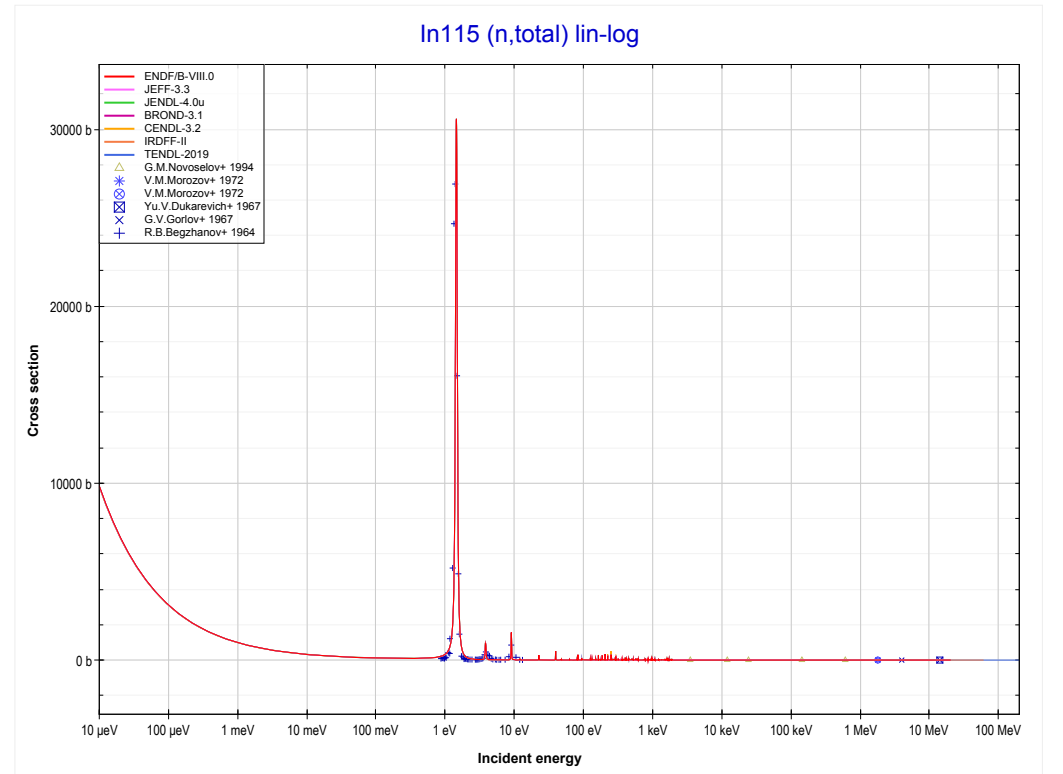
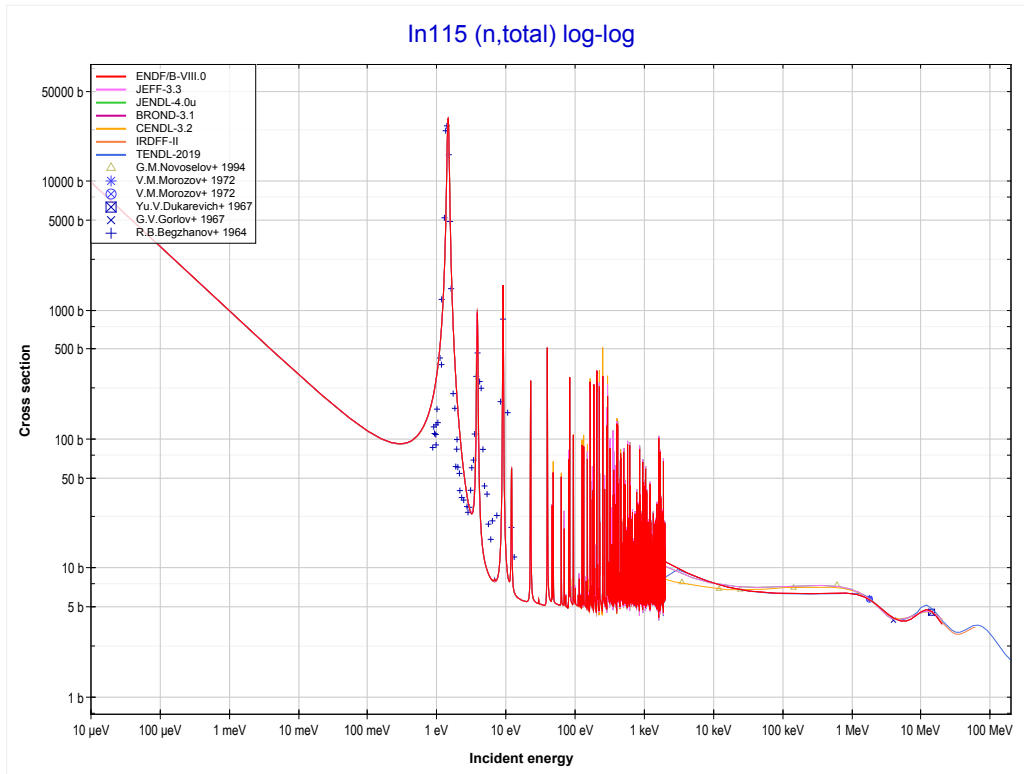
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 12.0405 b | 12.0319 b | 12.179 b | 1.01223 | 321.095 b | 0.245057 b | 0.00224332 b |
| ENDF/B-VIII.0 | 12.1349 b | 12.1349 b | 12.29 b | 1.01281 | 331.791 b | 0.200815 b | 0.00100091 b |
| JEFF-3.3 | 12.0867 b | 12.0867 b | 12.242 b | 1.01285 | 324.746 b | 0.142492 b | 0.001136 b |
| JENDL-4.0u | 12.0867 b | 12.0867 b | 12.242 b | 1.01285 | 324.746 b | 0.142492 b | 0.001136 b |
| BROND-3.1 | 12.1349 b | 12.1349 b | 12.29 b | 1.01281 | 331.791 b | 0.200815 b | 0.00100091 b |
| CENDL-3.2 | 12.0716 b | 12.0716 b | 12.222 b | 1.01248 | 324.153 b | 0.231711 b | 0.0063183 b |
| IRDFF-II | 12.0504 b | 12.0504 b | 12.202 b | 1.01257 | 331.958 b | 0.220781 b | 0.00125791 b |
| TENDL-2019 | 11.9391 b | 11.9391 b | 12.087 b | 1.01242 | 327.507 b | 0.183077 b | 0.00127959 b |

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|-------------------------|--|----------------------------|
| << 48-Cd-116 | 49-In-113 | 49-In-115 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Ag110 production) | 49-In-115 MT1 (n,total) >> |



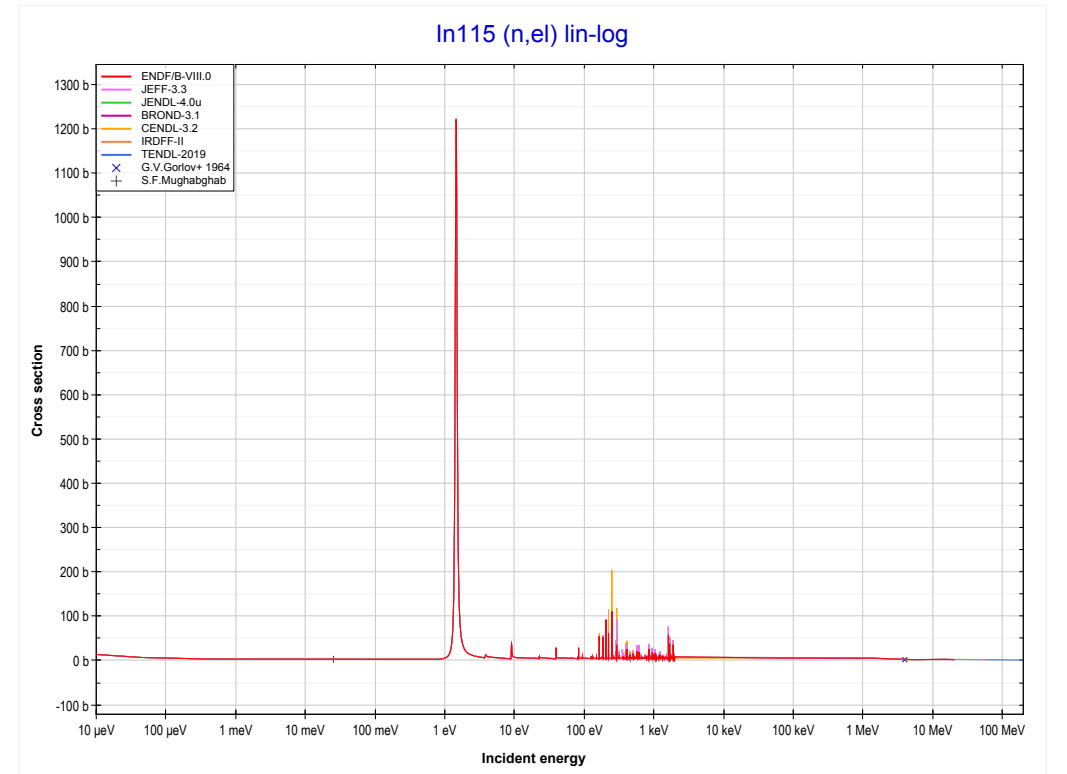
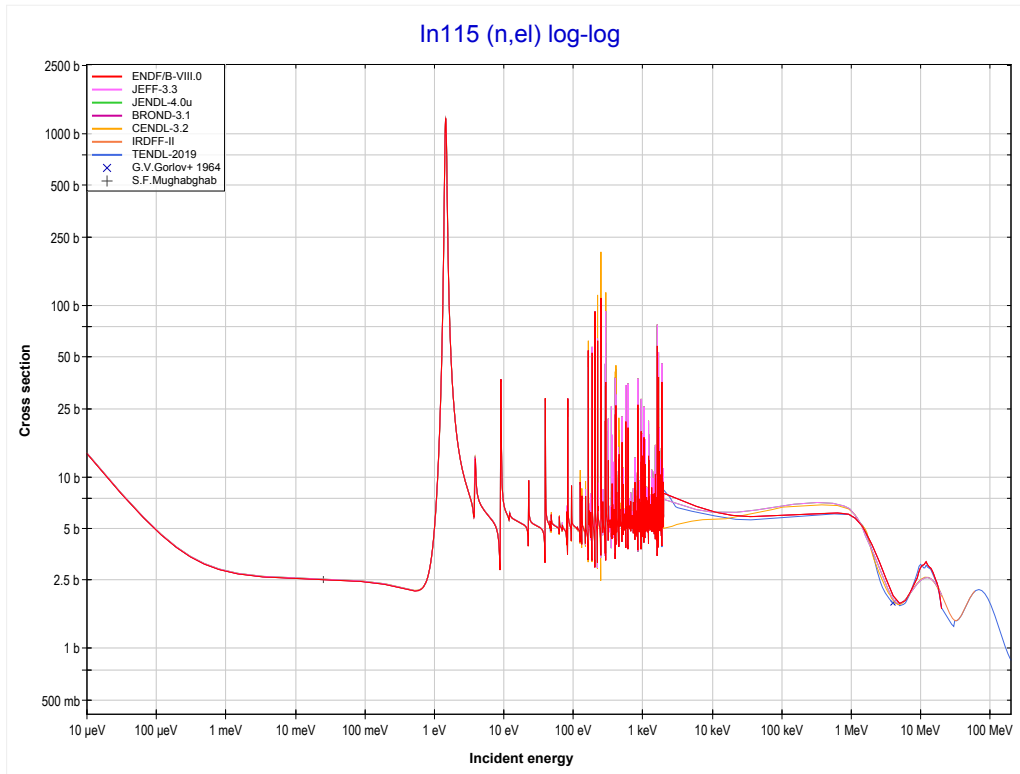
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.99159E-24 b | 5.30768E-6 b | 0.00426978 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.0382E-6 b | 0.003823 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.0382E-6 b | 0.003823 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.99159E-24 b | 5.30768E-6 b | 0.00426978 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51631E-5 b | 0.0066828 b |
| TENDL-2019 | 5.4844E-15 b | 5.4844E-15 b | 5.483E-15 b | 0.99974 | 6.56671E-14 b | 5.23329E-6 b | 0.00526486 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 48-Cd-116 | 49-In-115 | 50-Sn-Nat >> |
| << 49-In-113 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



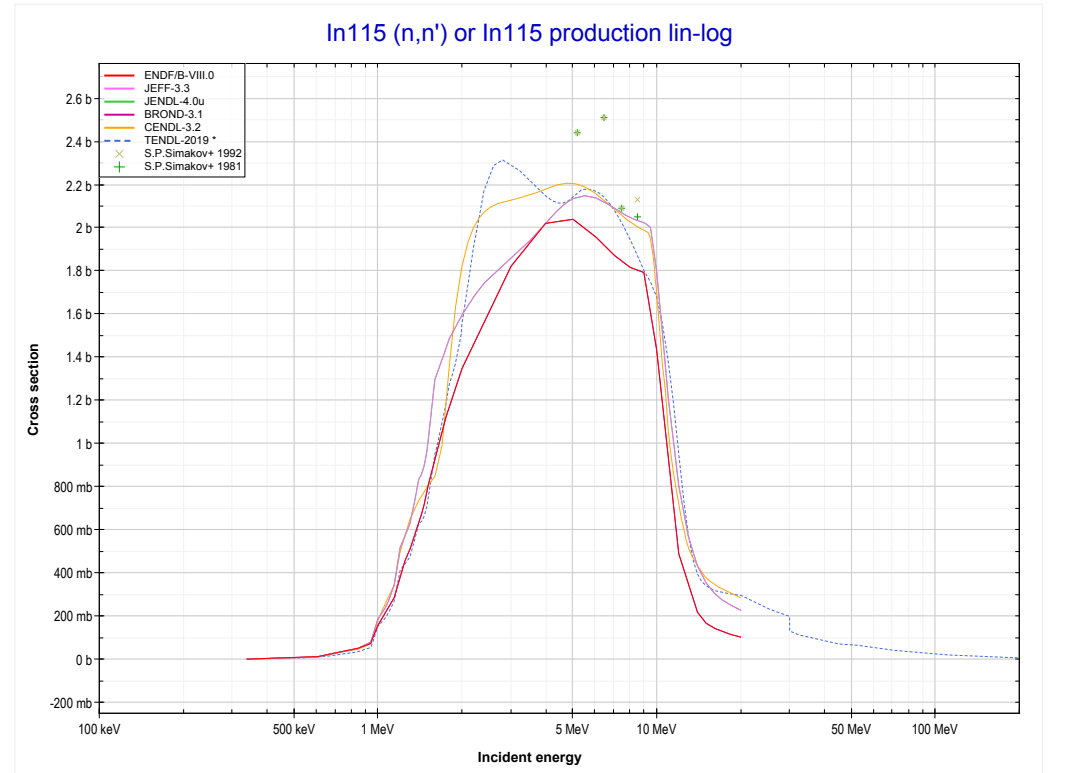
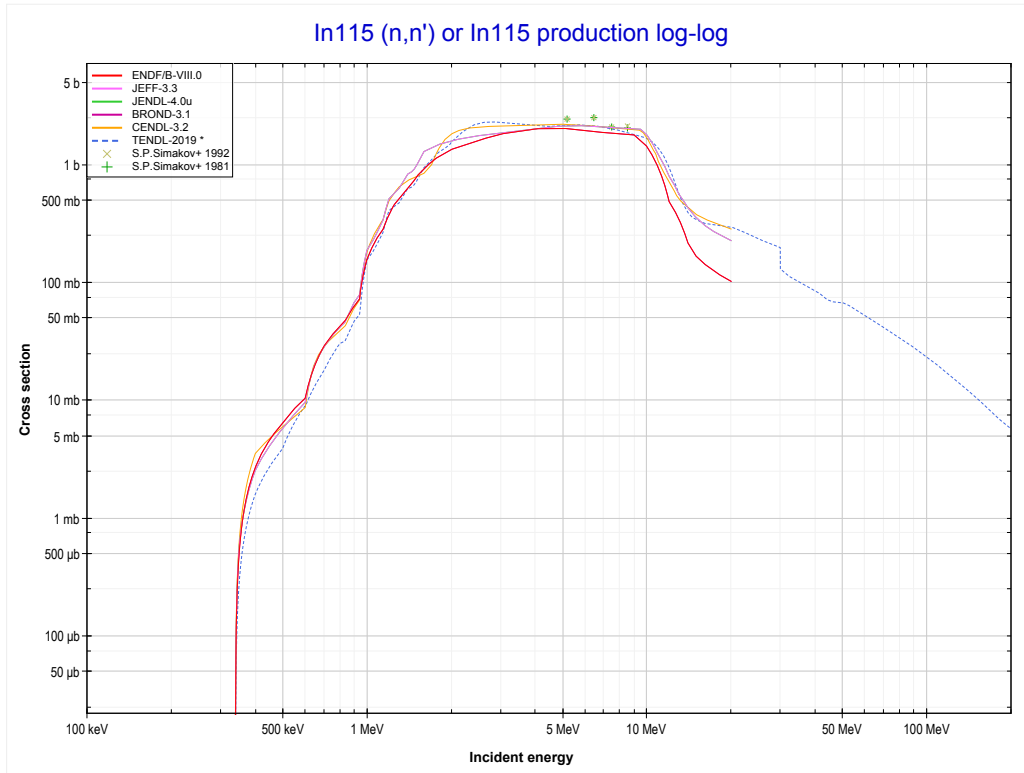
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 204.794 b | 204.794 b | 209.05 b | 1.02081 | 3420.59 b | 5.53659 b | 4.63944 b |
| JEFF-3.3 | 203.665 b | 203.665 b | 207.9 b | 1.02078 | 3406.35 b | 5.81904 b | 4.56683 b |
| JENDL-4.0u | 203.665 b | 203.665 b | 207.9 b | 1.02078 | 3406.35 b | 5.81904 b | 4.56683 b |
| BROND-3.1 | 204.794 b | 204.794 b | 209.05 b | 1.02081 | 3420.59 b | 5.53659 b | 4.63944 b |
| CENDL-3.2 | 203.619 b | 203.619 b | 207.78 b | 1.02045 | 3402.83 b | 5.79819 b | 4.5434 b |
| IRDFF-II | 204.787 b | 204.787 b | 209.02 b | 1.02068 | 3418.45 b | 5.54024 b | 4.63932 b |
| TENDL-2019 | 204.724 b | 204.724 b | 208.92 b | 1.02047 | 3417.73 b | 5.58912 b | 4.91071 b |

| | | |
|------------------|------------------------|---------------|
| << 49-In-113 | 49-In-115 | 50-Sn-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



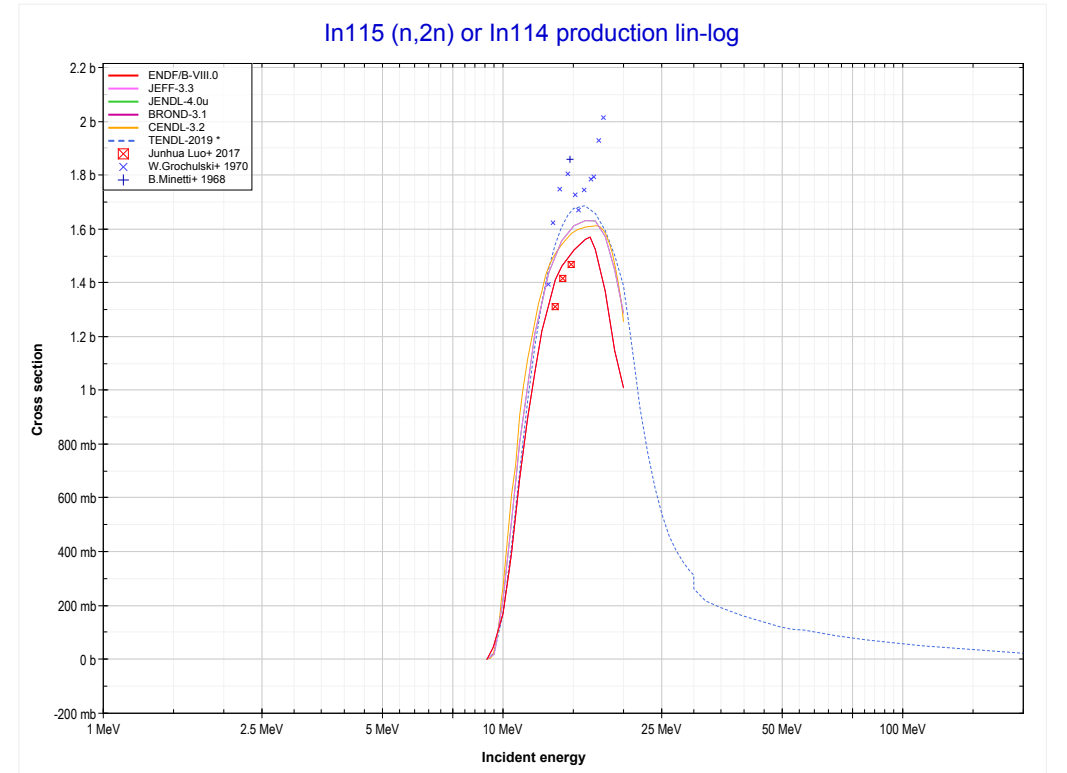
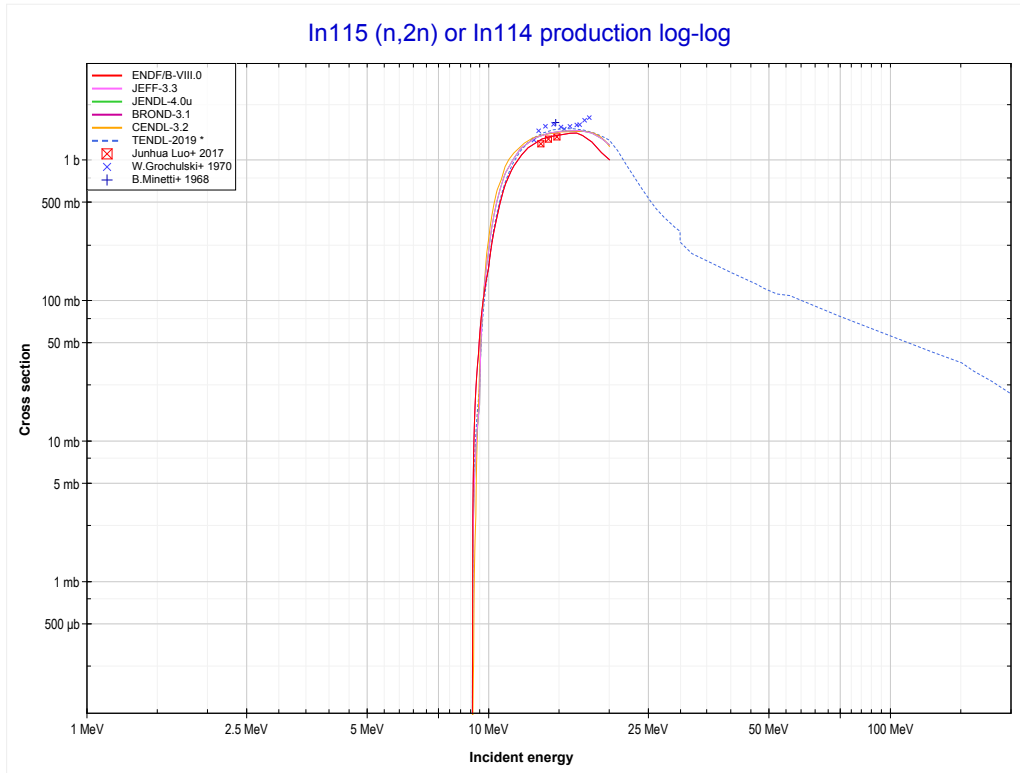
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.51875 b | 2.51875 b | 2.817 b | 1.11841 | 195.78 b | 4.44838 b | 2.94602 b |
| JEFF-3.3 | 2.53793 b | 2.53793 b | 2.8384 b | 1.1184 | 196.255 b | 4.61791 b | 2.551 b |
| JENDL-4.0u | 2.53793 b | 2.53793 b | 2.8384 b | 1.1184 | 196.255 b | 4.61791 b | 2.551 b |
| BROND-3.1 | 2.51875 b | 2.51875 b | 2.817 b | 1.11841 | 195.78 b | 4.44838 b | 2.94602 b |
| CENDL-3.2 | 2.53644 b | 2.53644 b | 2.8374 b | 1.11865 | 194.124 b | 4.5472 b | 2.55065 b |
| IRDFF-II | 2.51875 b | 2.51875 b | 2.8179 b | 1.11877 | 195.724 b | 4.44902 b | 2.94592 b |
| TENDL-2019 | 2.52572 b | 2.52572 b | 2.8252 b | 1.11856 | 195.09 b | 4.26829 b | 2.89157 b |

| | | |
|--------------------|---|----------------|
| << 49-In-113 | 49-In-115 | 50-Sn-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (In115 production) | MT16 (n,2n) >> |



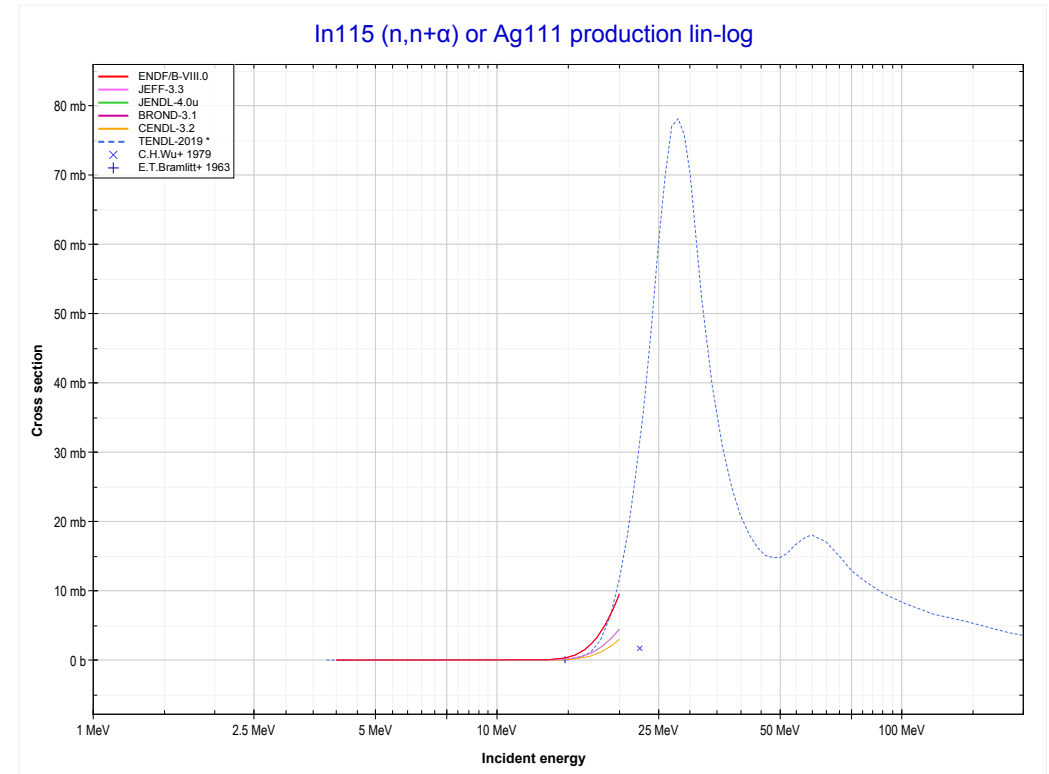
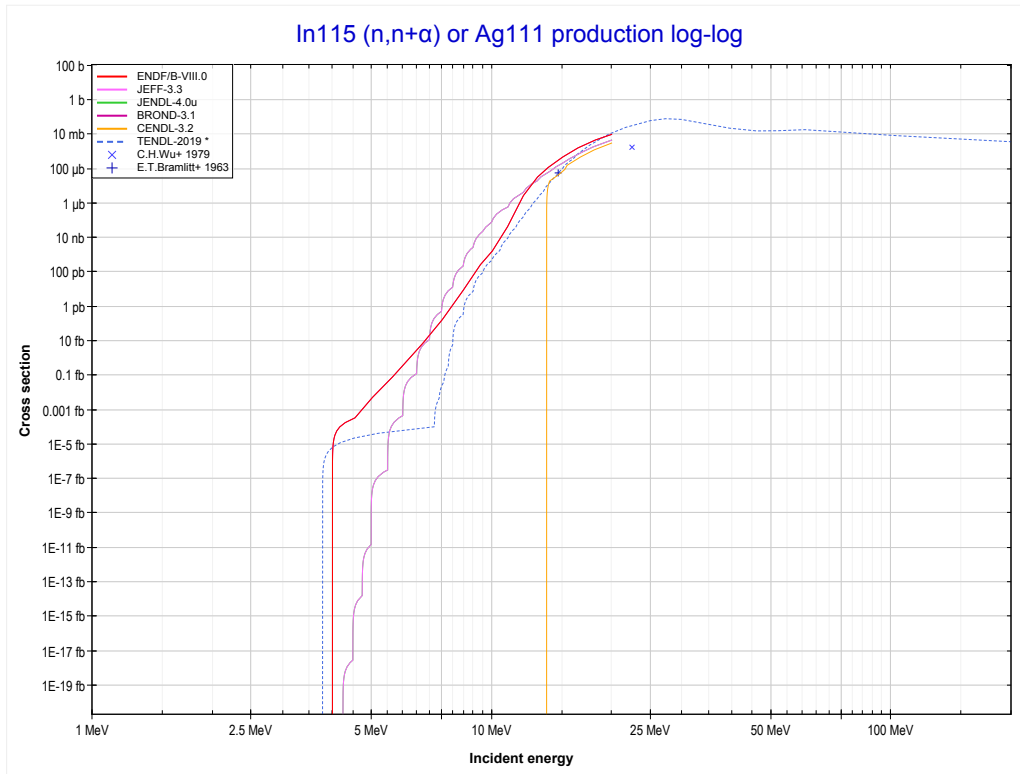
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.923997 b | 0.217982 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02573 b | 0.43235 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.02573 b | 0.43235 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.923997 b | 0.217982 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08221 b | 0.43371 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06692 b | 0.394237 b |

| | | |
|---------------|--|-----------------|
| << 49-In-113 | 49-In-115 | 50-Sn-Nat >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (In114 production) | MT22 (n,n+α) >> |



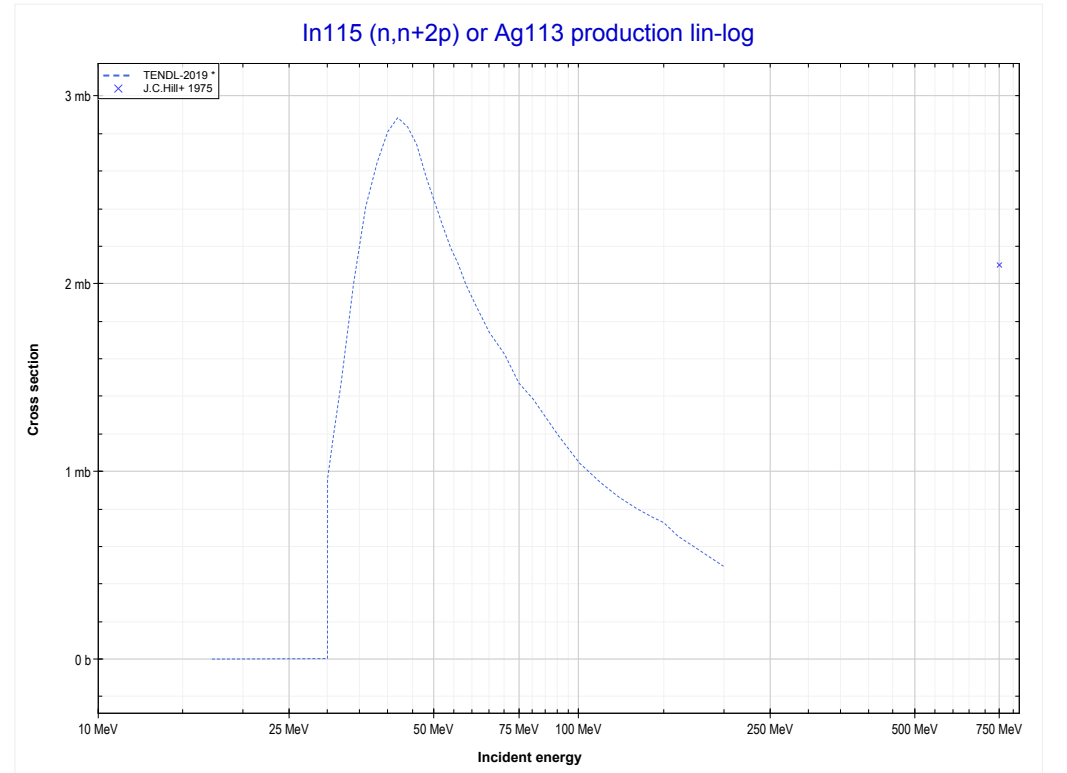
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00155365 b | 1.46 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00176211 b | 1.555 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00176211 b | 1.555 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00155365 b | 1.46 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00190795 b | 1.5413 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00163919 b | 1.6069 b |

| | | |
|----------------|---|------------------|
| << 47-Ag-109 | 49-In-115 | 57-La-139 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Ag111 production) | MT44 (n,n+2p) >> |



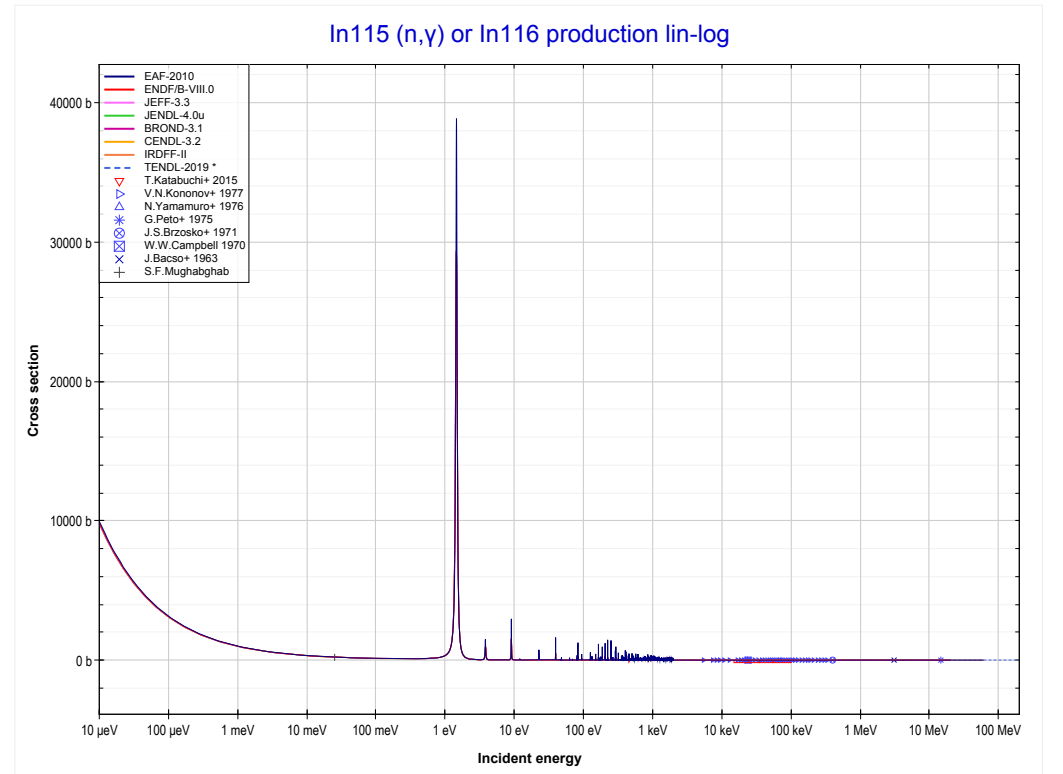
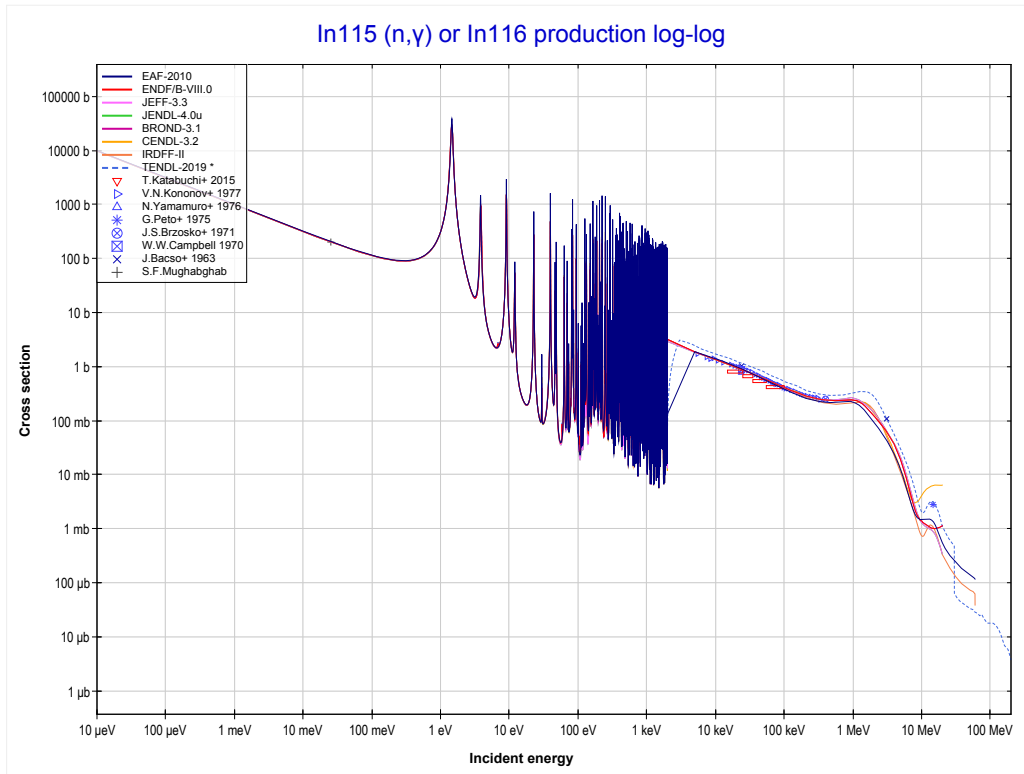
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20251E-7 b | 1.34333E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.8451E-8 b | 6.409E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.8451E-8 b | 6.409E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20251E-7 b | 1.34333E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70289E-8 b | 1.9372E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.33421E-8 b | 1.49021E-5 b |

| | | |
|-----------------|--|----------------|
| << 41-Nb-93 | 49-In-115 | 53-I-127 >> |
| << MT22 (n,n+α) | MT44 (n,n+2p) or MT5 (Ag113 production) | MT102 (n,γ) >> |



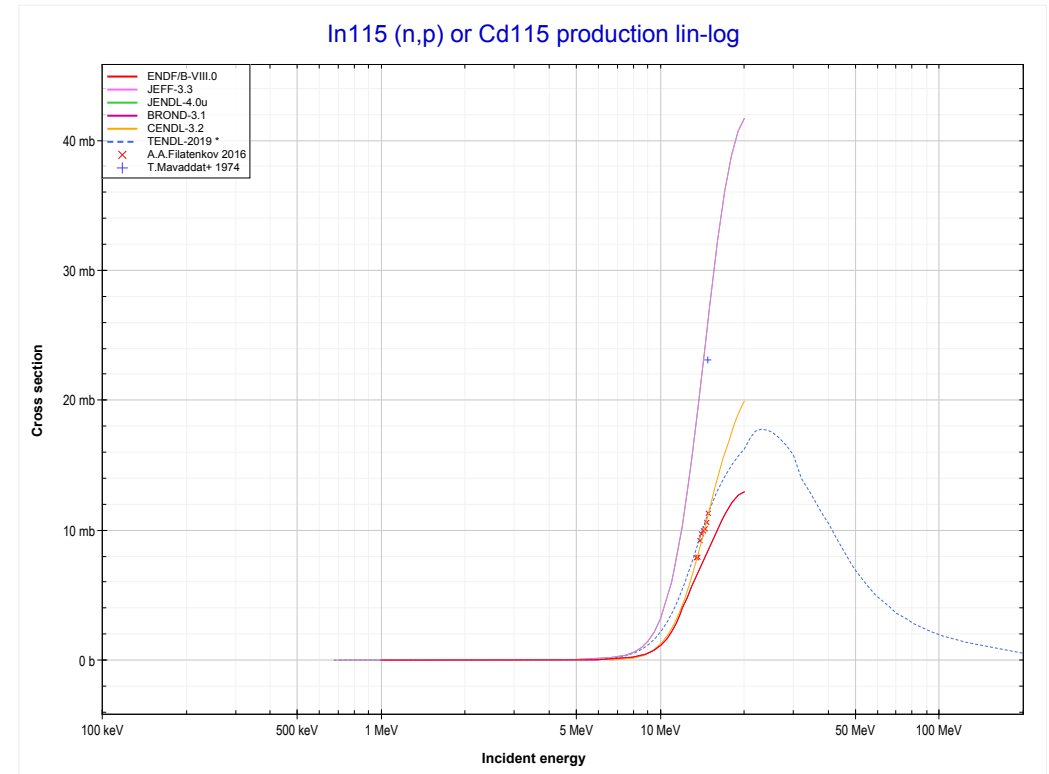
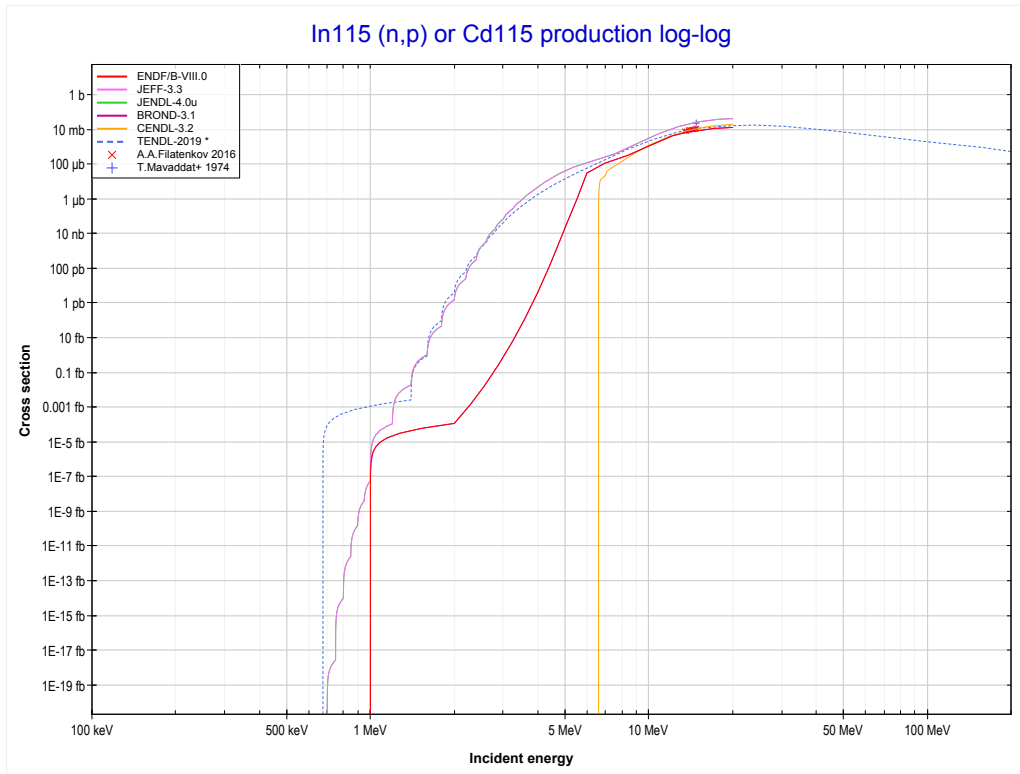
| Reaction | Q-Value |
|--------------------|---------------|
| In115(n,He3)Ag113 | -9369.25 keV |
| In115(n,p+d)Ag113 | -14862.72 keV |
| In115(n,n+2p)Ag113 | -17087.29 keV |

| | | |
|------------------|--|----------------|
| << 49-In-113 | 49-In-115 | 50-Sn-Nat >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (In116 production) | MT103 (n,p) >> |



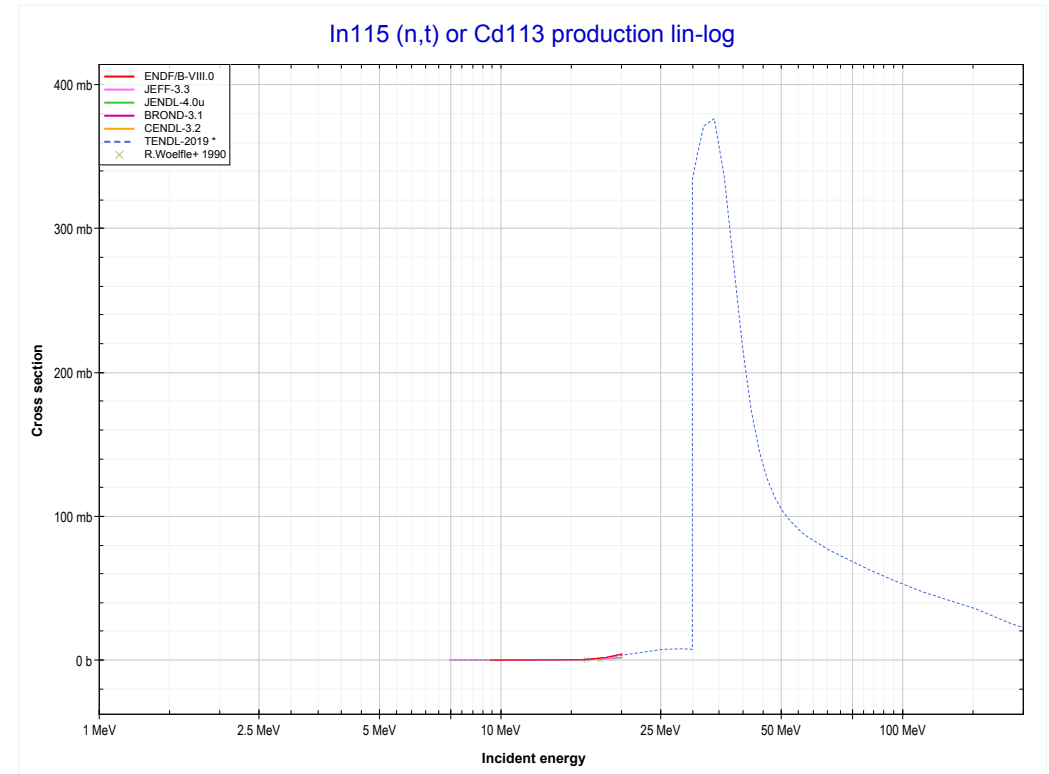
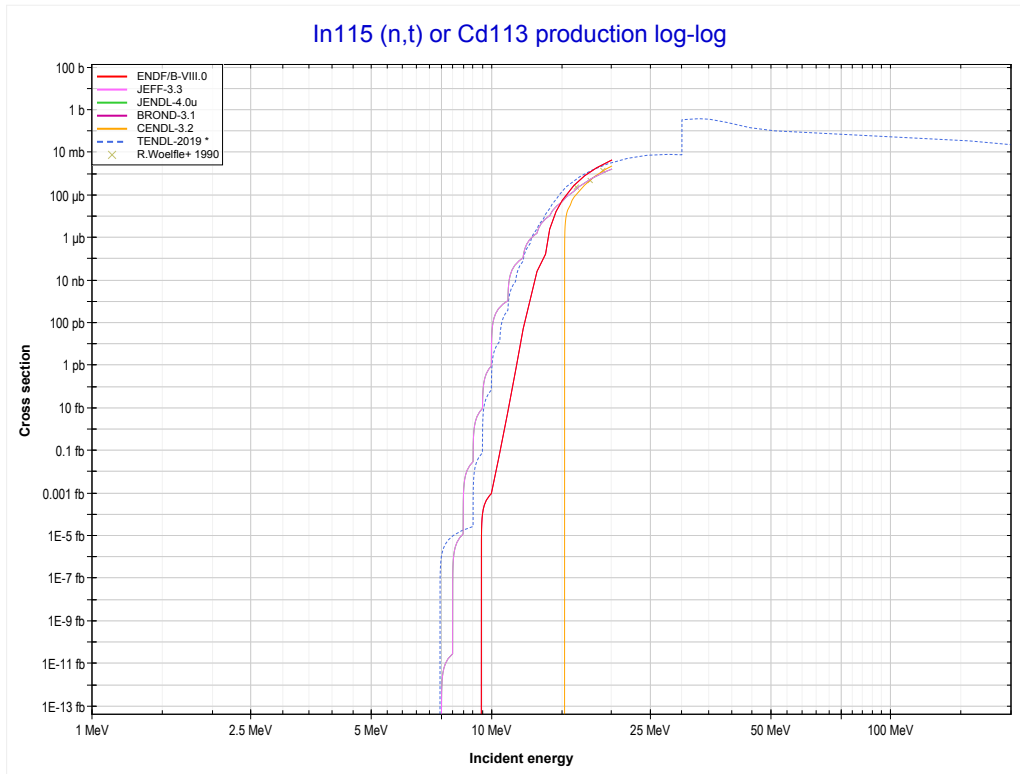
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 205 b | 204.877 b | 209.47 b | 1.02258 | 3270.7 b | 0.14131 b | 0.00144328 b |
| ENDF/B-VIII.0 | 202.275 b | 202.275 b | 206.24 b | 1.01959 | 3224.81 b | 0.162638 b | 0.00102122 b |
| JEFF-3.3 | 201.127 b | 201.127 b | 205.06 b | 1.01955 | 3210.1 b | 0.173599 b | 9.481E-4 b |
| JENDL-4.0u | 201.127 b | 201.127 b | 205.06 b | 1.01955 | 3210.1 b | 0.173599 b | 9.481E-4 b |
| BROND-3.1 | 202.275 b | 202.275 b | 206.24 b | 1.01959 | 3224.81 b | 0.162638 b | 0.00102122 b |
| CENDL-3.2 | 201.083 b | 201.083 b | 204.94 b | 1.0192 | 3208.7 b | 0.167379 b | 0.0061995 b |
| IRDFF-II | 202.268 b | 202.268 b | 206.2 b | 1.01943 | 3222.71 b | 0.158637 b | 0.0011591 b |
| TENDL-2019 | 202.198 b | 202.198 b | 206.09 b | 1.01924 | 3222.64 b | 0.251435 b | 0.00321893 b |

| | | |
|-------------------------|--|----------------|
| << 48-Cd-116 | 49-In-115 | 50-Sn-112 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cd115 production) | MT105 (n,t) >> |



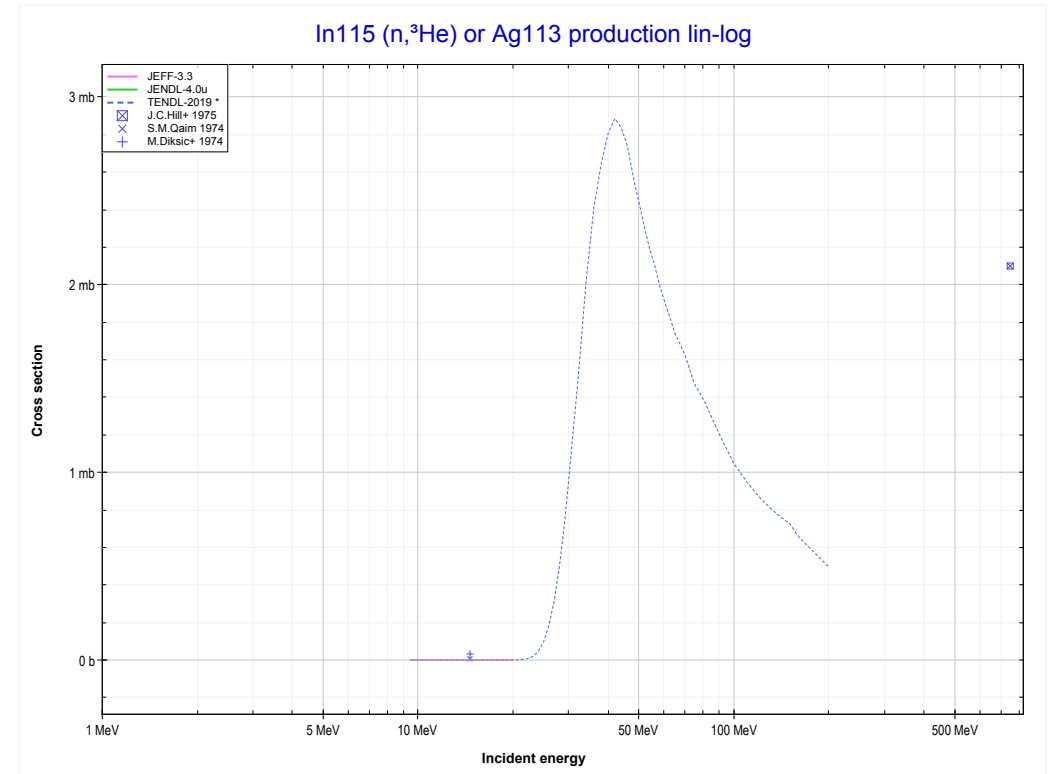
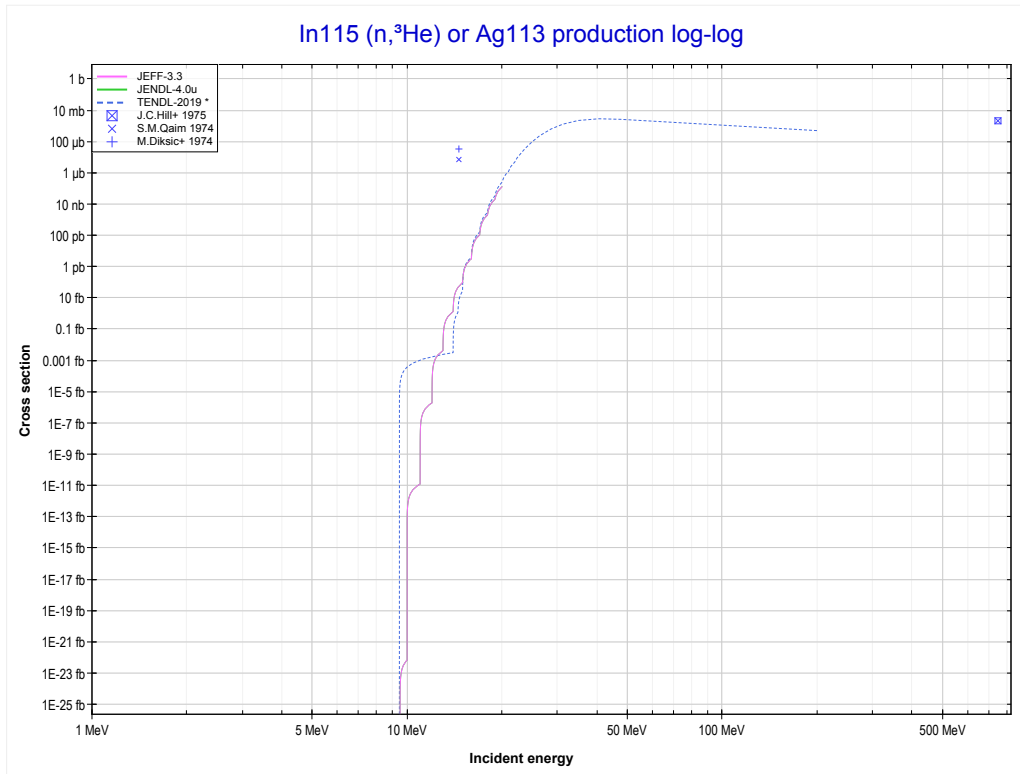
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11167E-5 b | 0.00728025 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35674E-5 b | 0.02144 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.35674E-5 b | 0.02144 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11167E-5 b | 0.00728025 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01679E-5 b | 0.0090039 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03099E-5 b | 0.00967666 b |

| | | |
|----------------|--|-------------------------------|
| << 48-Cd-114 | 49-In-115 | 50-Sn-112 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Cd113 production) | MT106 (n, ³ He) >> |



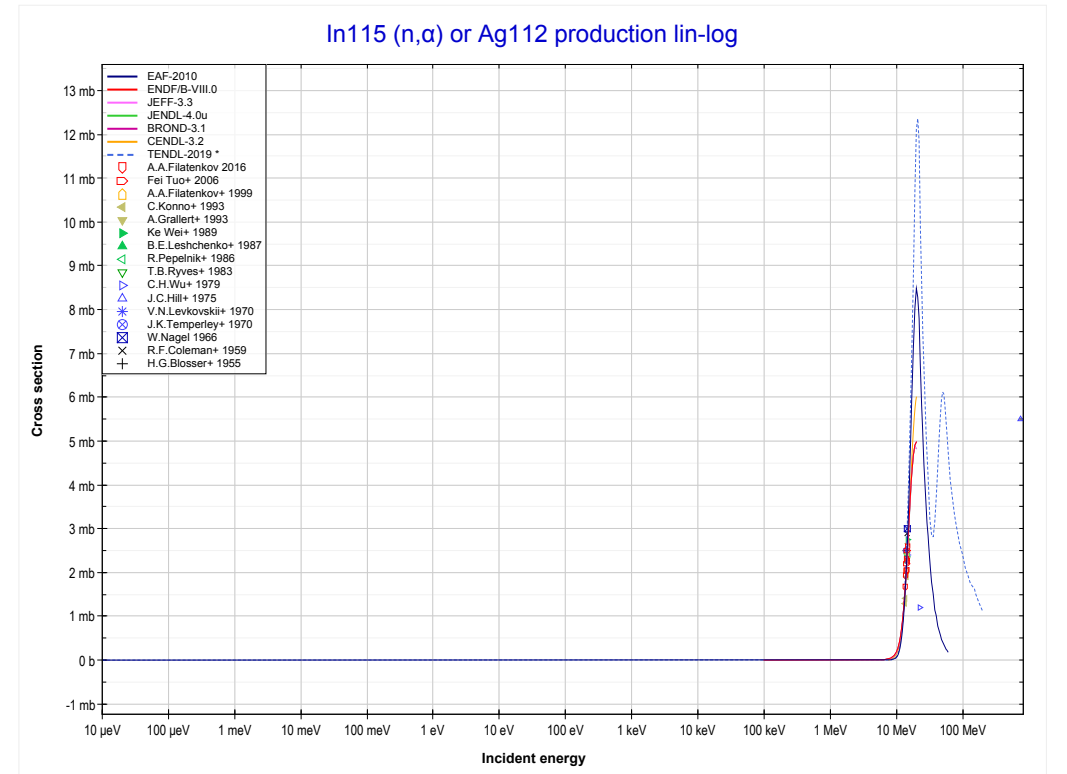
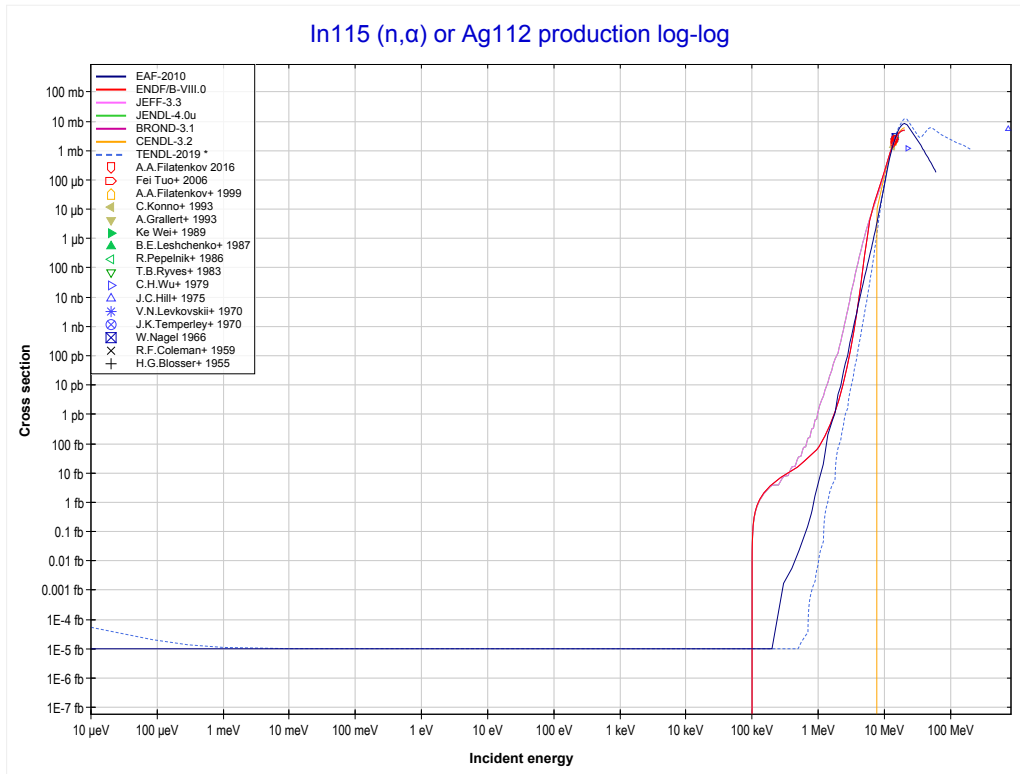
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.06288E-8 b | 2.51513E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64987E-8 b | 1.036E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.64987E-8 b | 1.036E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.06288E-8 b | 2.51513E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15308E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.10549E-8 b | 2.25568E-5 b |

| | | |
|----------------|---|----------------|
| << 47-Ag-109 | 49-In-115 | 52-Te-130 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Ag113 production) | MT107 (n,α) >> |



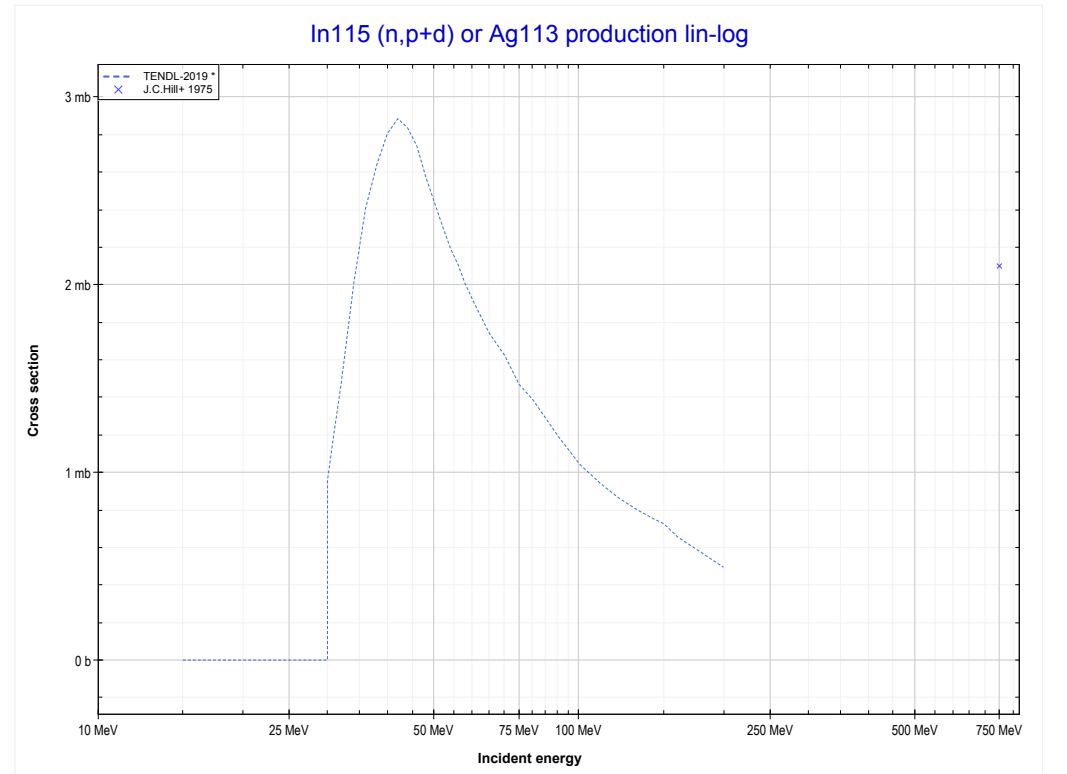
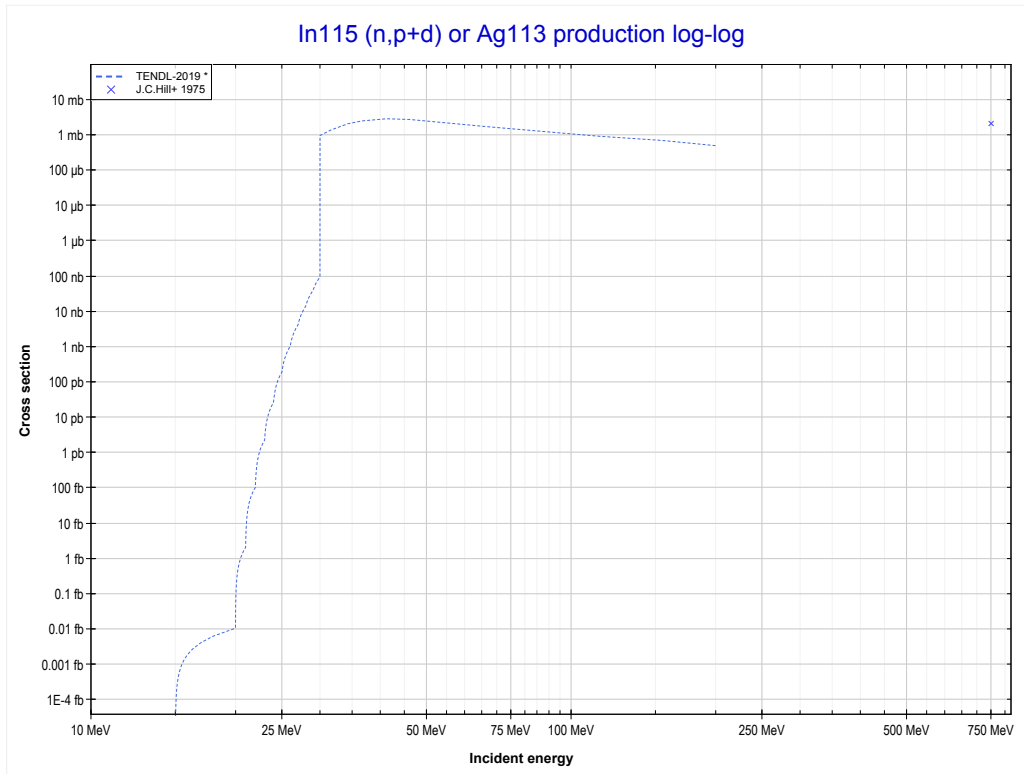
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57084E-13 b | 1.332E-15 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.57084E-13 b | 1.332E-15 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71905E-13 b | 3.1047E-18 b |

| | | |
|-------------------------------|--|------------------|
| << 49-In-113 | 49-In-115 | 50-Sn-112 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ag112 production) | MT115 (n,p+d) >> |



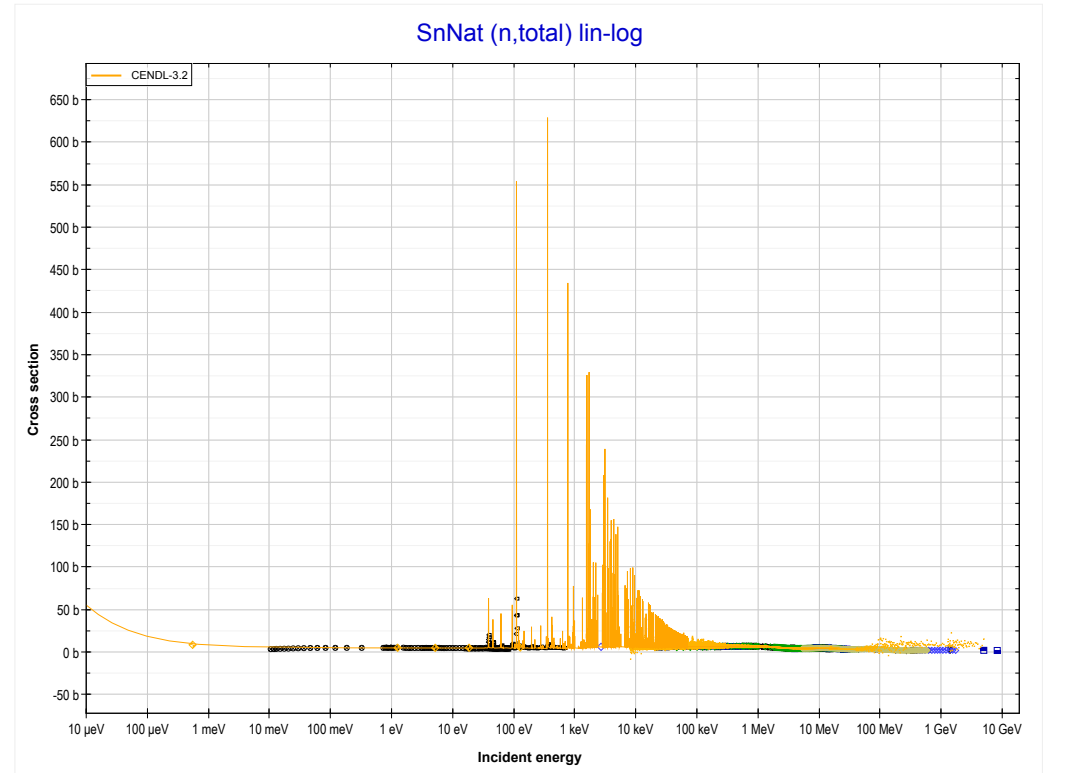
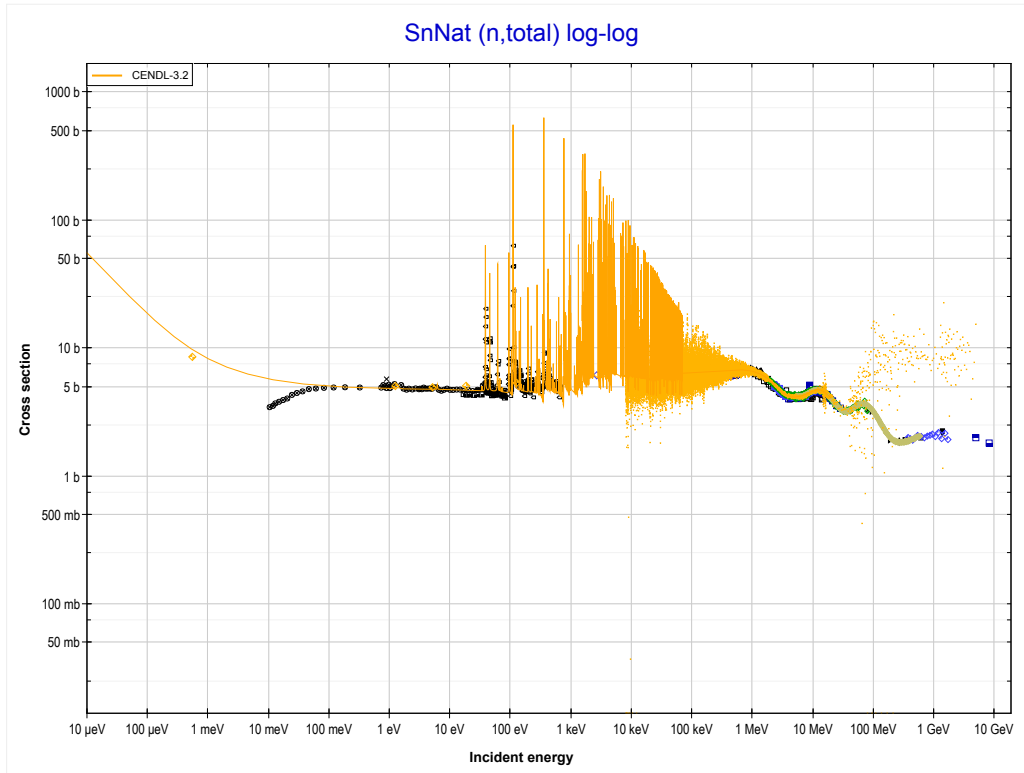
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22081E-19 b | 1.20715E-6 b | 0.00199186 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 8.35561E-27 b | 2.13575E-6 b | 0.00199892 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.02518E-6 b | 0.00188 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.02518E-6 b | 0.00188 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 8.35565E-27 b | 2.13575E-6 b | 0.00199892 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47917E-6 b | 0.0019502 b |
| TENDL-2019 | 1.0044E-20 b | 1.0044E-20 b | 1.1334E-20 b | 1.12842 | 1.22064E-19 b | 1.40186E-6 b | 0.0023398 b |

| | | |
|-------------------------|--|----------------------------|
| << 41-Nb-93 | 49-In-115 | 53-I-127 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Ag113 production) | 50-Sn-Nat MT1 (n,total) >> |



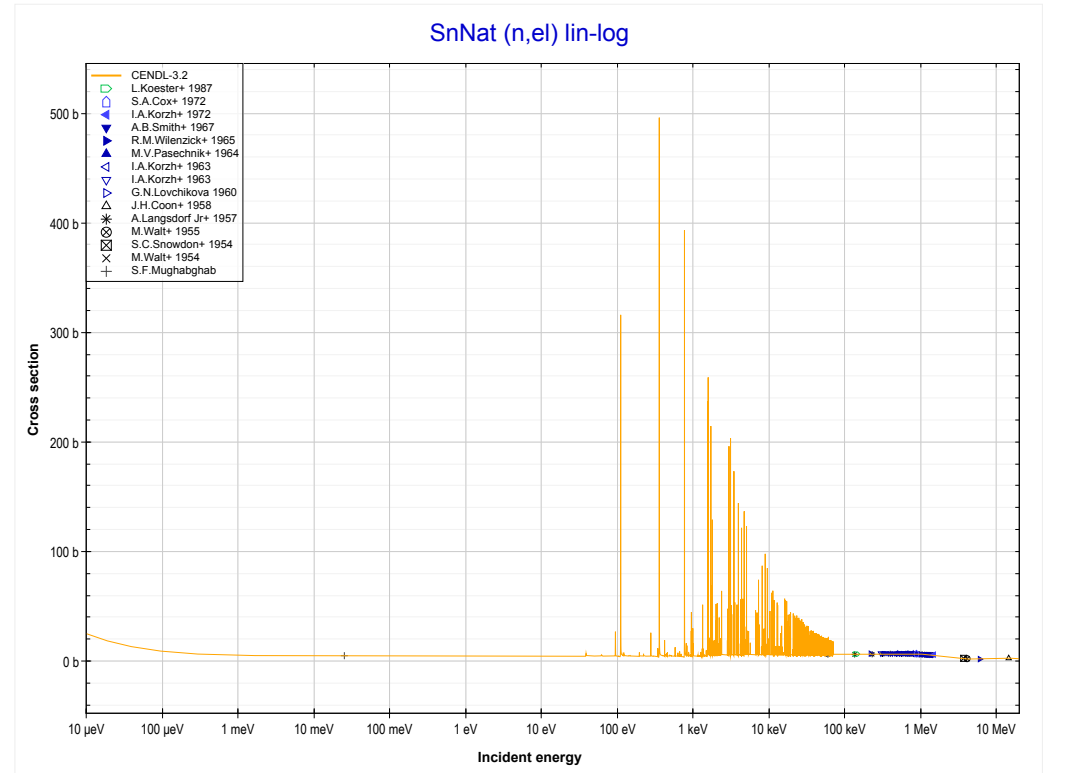
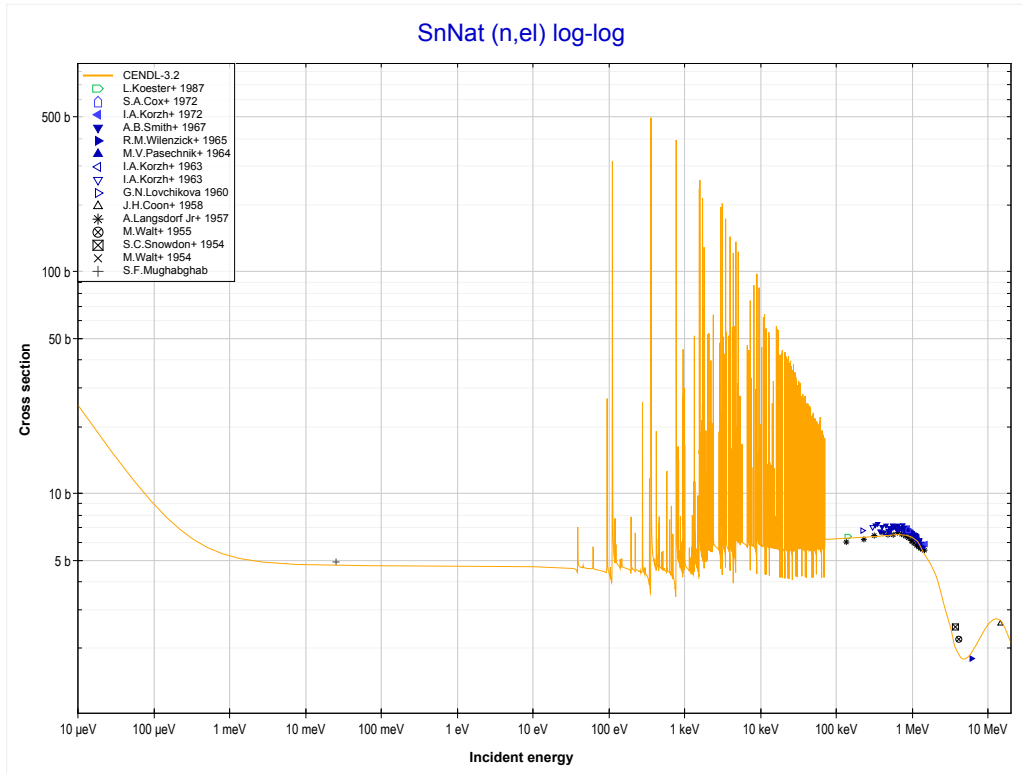
| Reaction | Q-Value |
|--------------------|---------------|
| In115(n,He3)Ag113 | -9369.25 keV |
| In115(n,p+d)Ag113 | -14862.72 keV |
| In115(n,n+2p)Ag113 | -17087.29 keV |

| | | |
|----------------------------|----------------------|--------------------|
| << 49-In-115 | 50-Sn-Nat | 50-Sn-112 >> |
| << 49-In-115 MT115 (n,p+d) | MT1 (n,total) | MT2 (n,elastic) >> |



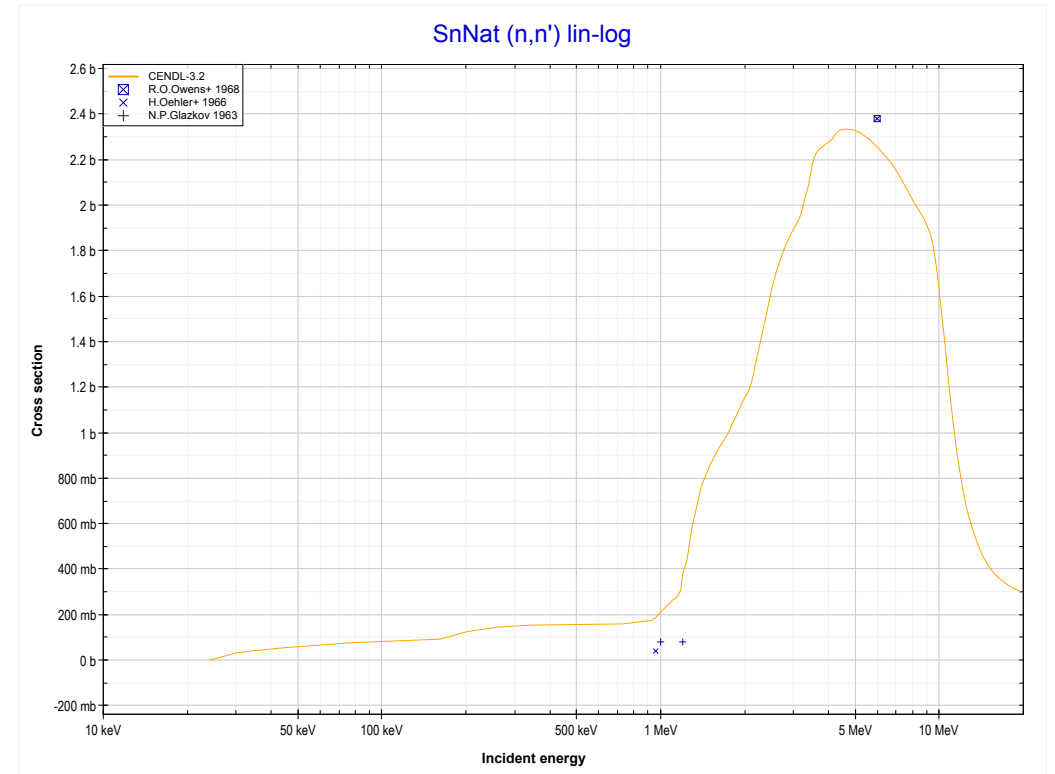
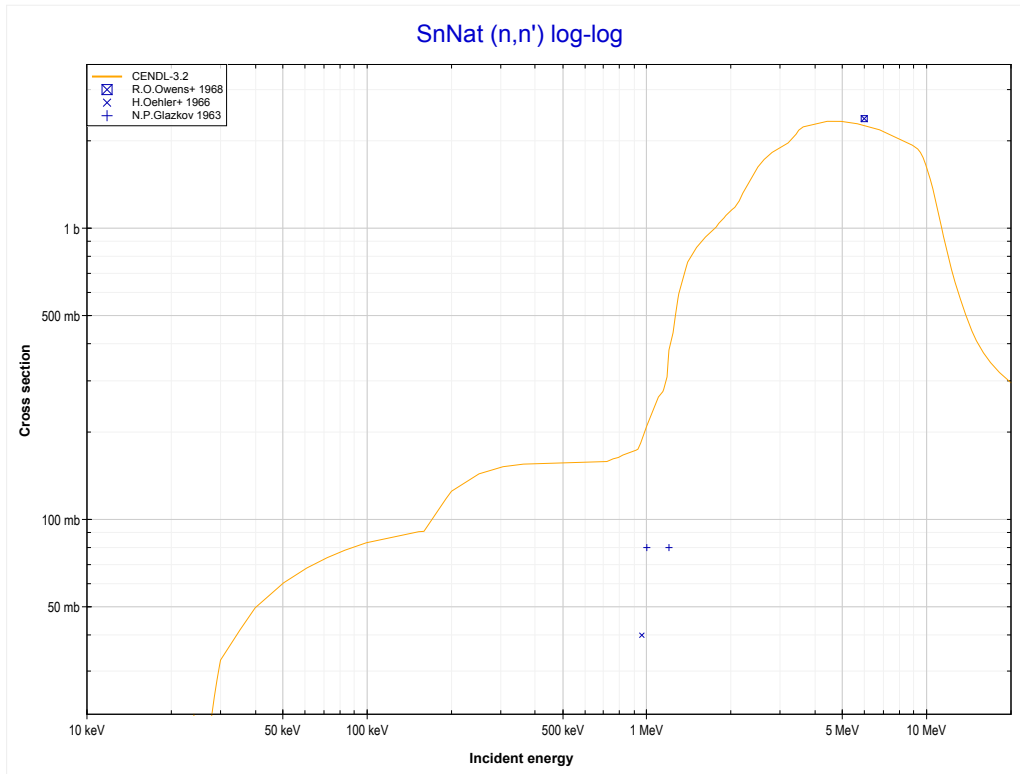
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 5.33516 b | 5.33516 b | 5.9426 b | 1.11385 | 76.0829 b | 5.68172 b | 4.66066 b |

| | | |
|------------------|------------------------|---------------|
| << 49-In-115 | 50-Sn-Nat | 50-Sn-112 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



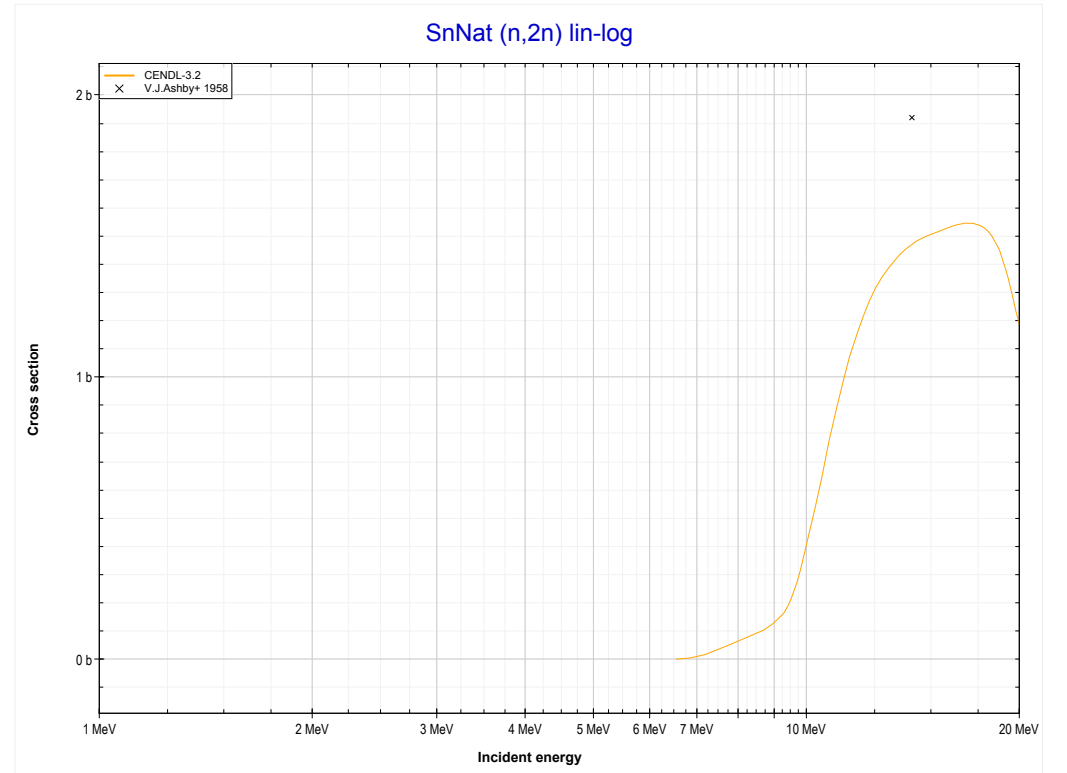
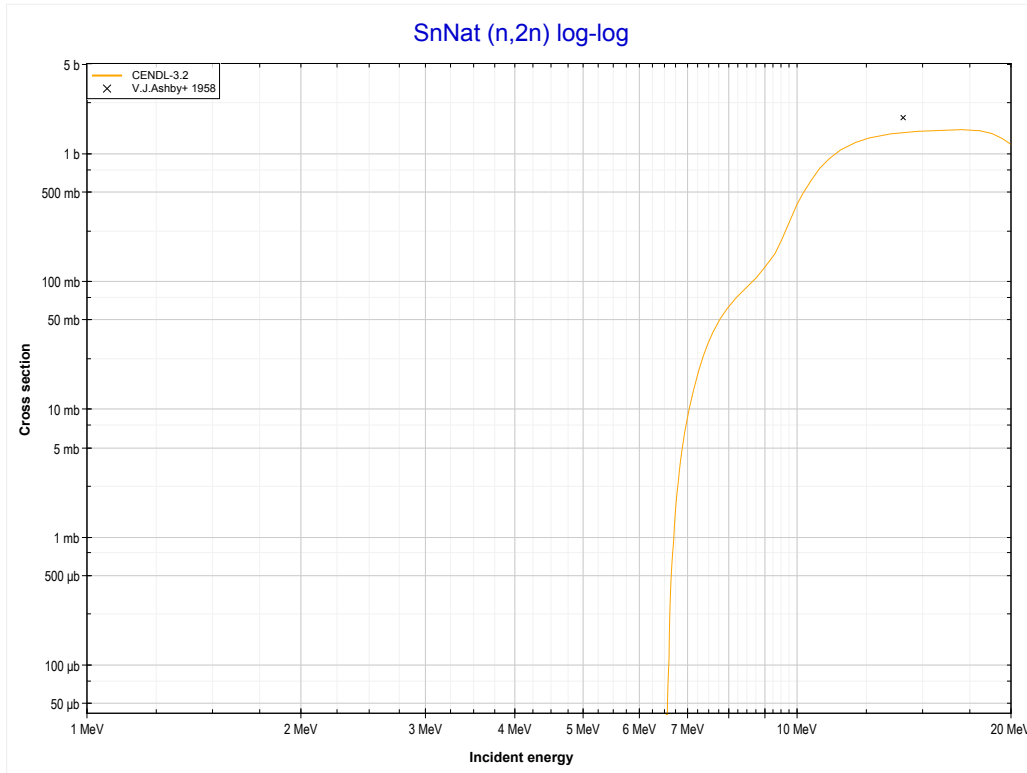
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 4.73623 b | 4.73623 b | 5.3444 b | 1.1284 | 69.9063 b | 4.64854 b | 2.69821 b |

| | | |
|--------------------|-------------------|----------------|
| << 49-In-115 | 50-Sn-Nat | 50-Sn-117 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT16 (n,2n) >> |



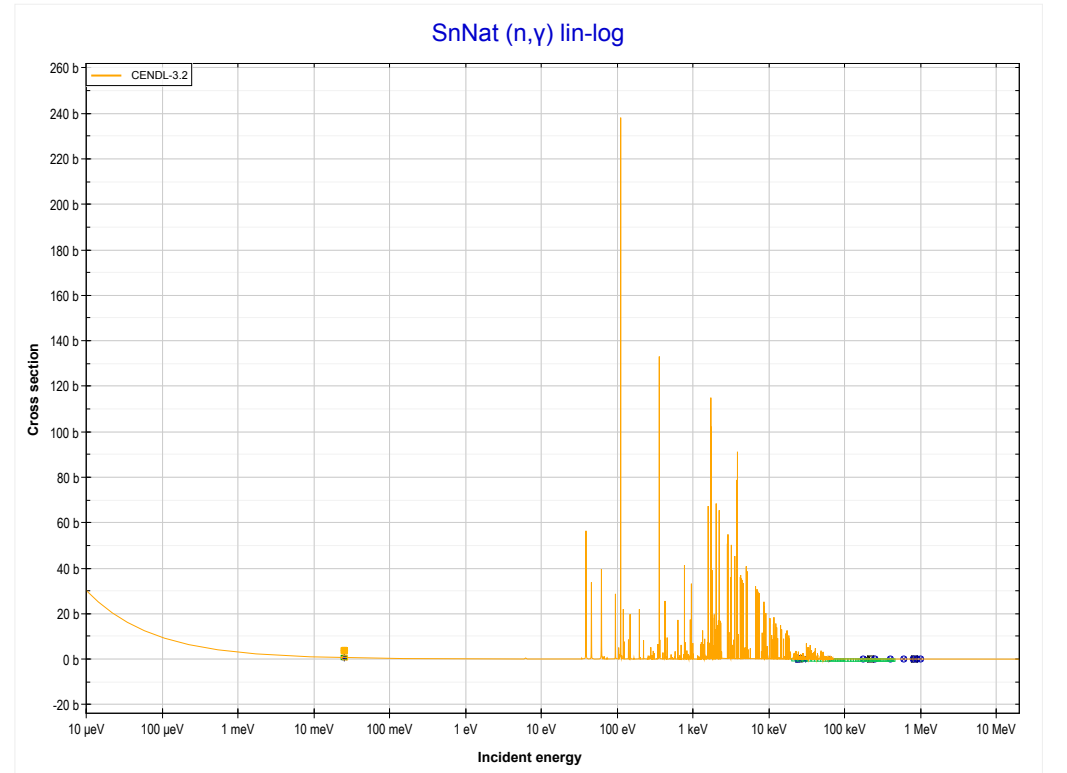
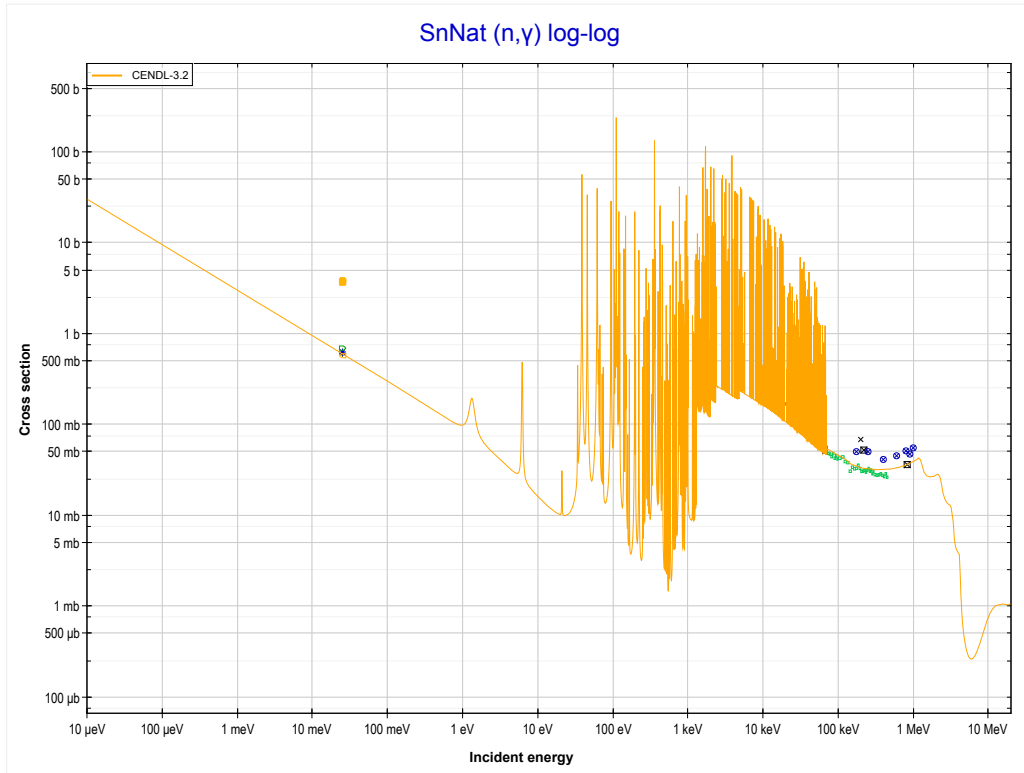
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.0778501 b | 1.0058 b | 0.484609 b |

| | | |
|---------------|--------------------|-------------------------|
| << 49-In-115 | 50-Sn-Nat | 50-Sn-112 >> |
| << MT4 (n,n') | MT16 (n,2n) | MT102 (n, γ) >> |



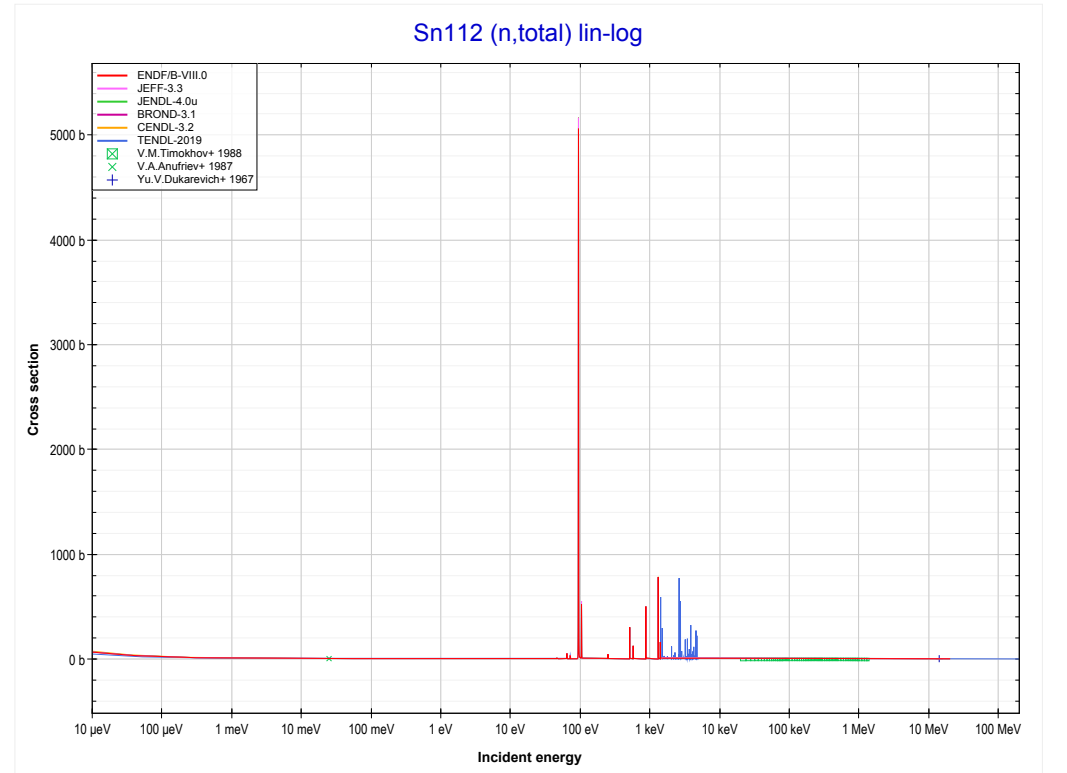
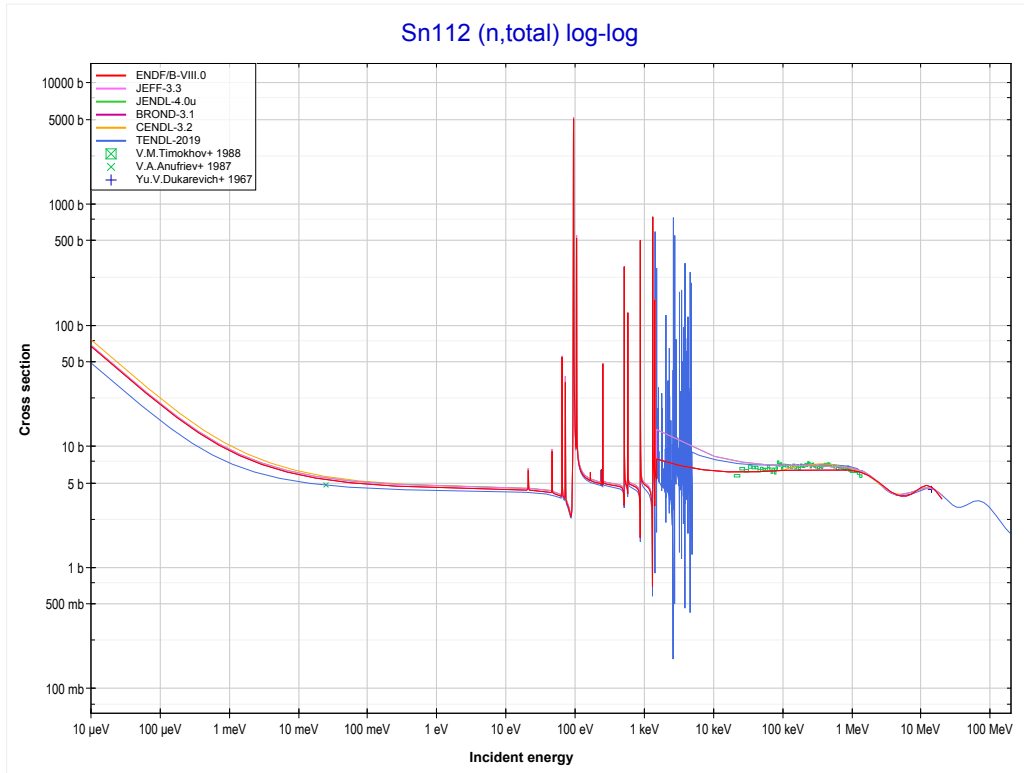
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00283061 b | 1.46515 b |

| | | |
|----------------|--------------------------------------|----------------------------|
| << 49-In-115 | 50-Sn-Nat | 50-Sn-112 >> |
| << MT16 (n,2n) | MT102 (n,γ) | 50-Sn-112 MT1 (n,total) >> |



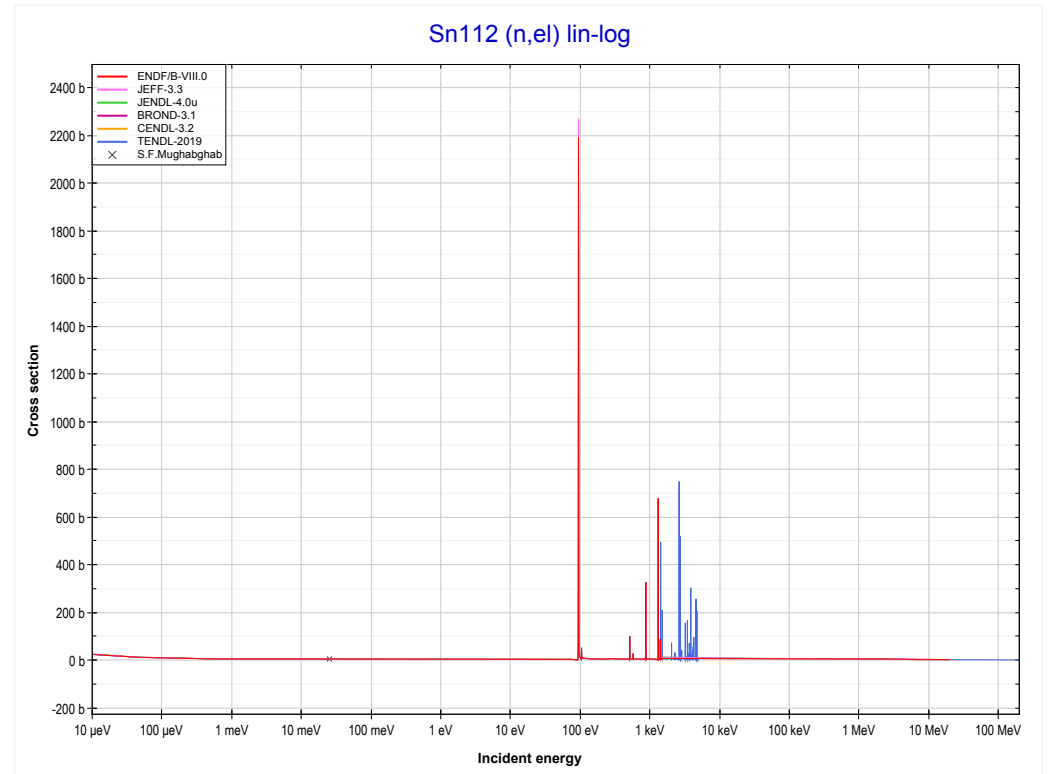
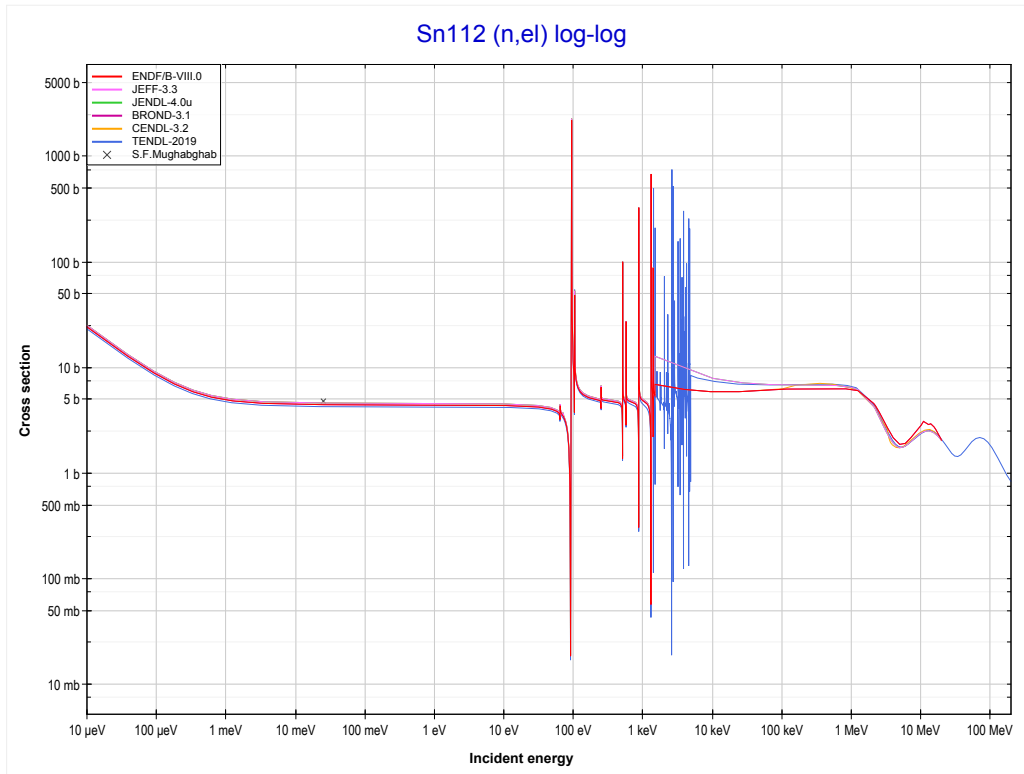
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0.598937 b | 0.598937 b | 0.59818 b | 0.99874 | 6.09202 b | 0.0252166 b | 0.00103749 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 50-Sn-Nat | 50-Sn-112 | 50-Sn-114 >> |
| << 50-Sn-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



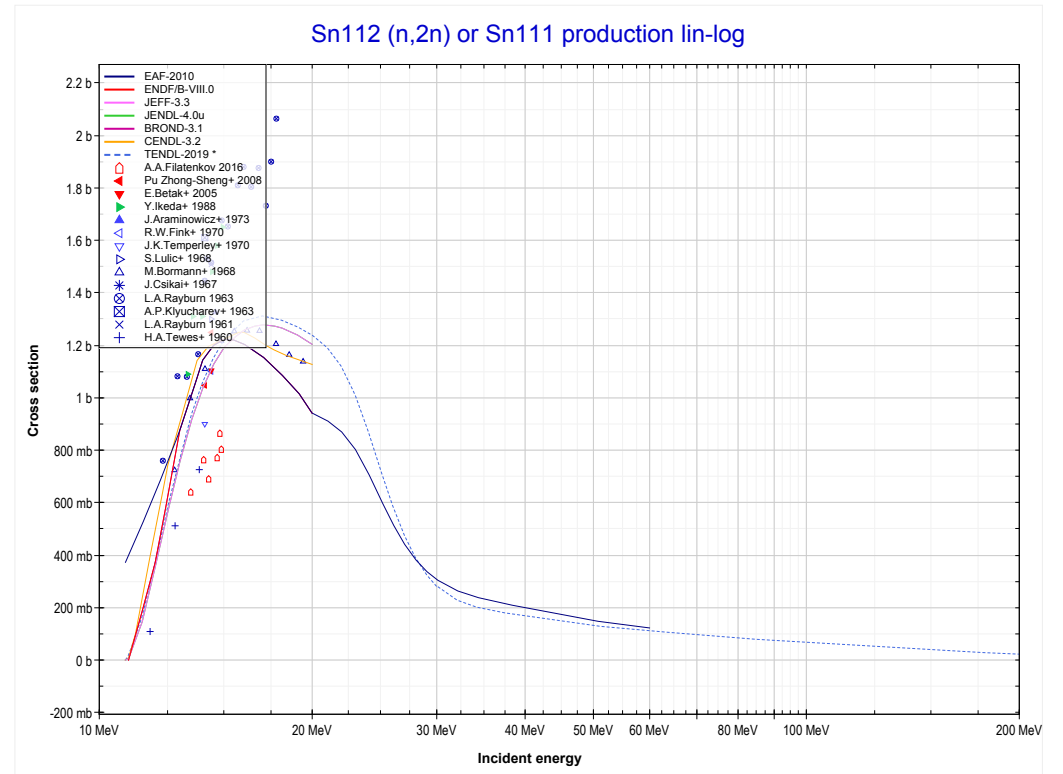
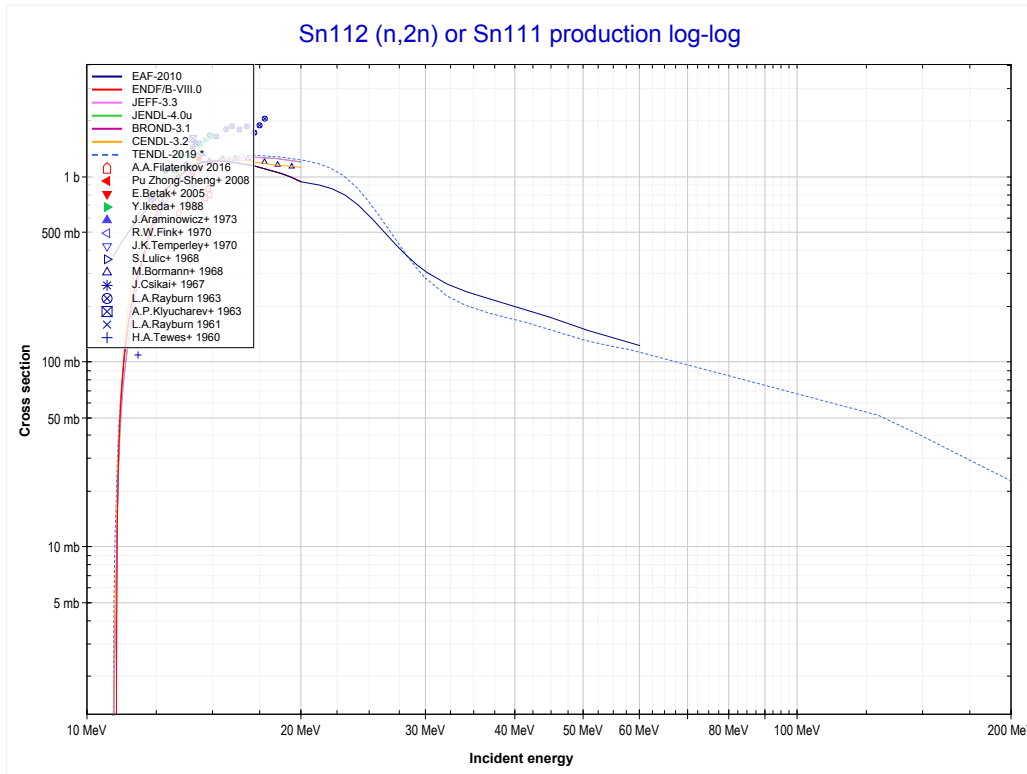
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.29492 b | 5.29492 b | 5.8654 b | 1.10773 | 110.922 b | 5.53511 b | 4.64 b |
| JEFF-3.3 | 5.46938 b | 5.46938 b | 6.0609 b | 1.10814 | 123.543 b | 5.72941 b | 4.50737 b |
| JENDL-4.0u | 5.46938 b | 5.46938 b | 6.0609 b | 1.10814 | 123.543 b | 5.72941 b | 4.50737 b |
| BROND-3.1 | 5.29492 b | 5.29492 b | 5.8654 b | 1.10773 | 110.922 b | 5.53511 b | 4.64 b |
| CENDL-3.2 | 5.61782 b | 5.61782 b | 6.2091 b | 1.10526 | 113.342 b | 5.69504 b | 4.5172 b |
| TENDL-2019 | 4.76747 b | 4.76747 b | 5.3143 b | 1.1147 | 117.317 b | 5.76228 b | 4.4777 b |

| | | |
|------------------|------------------------|----------------|
| << 50-Sn-Nat | 50-Sn-112 | 50-Sn-113 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



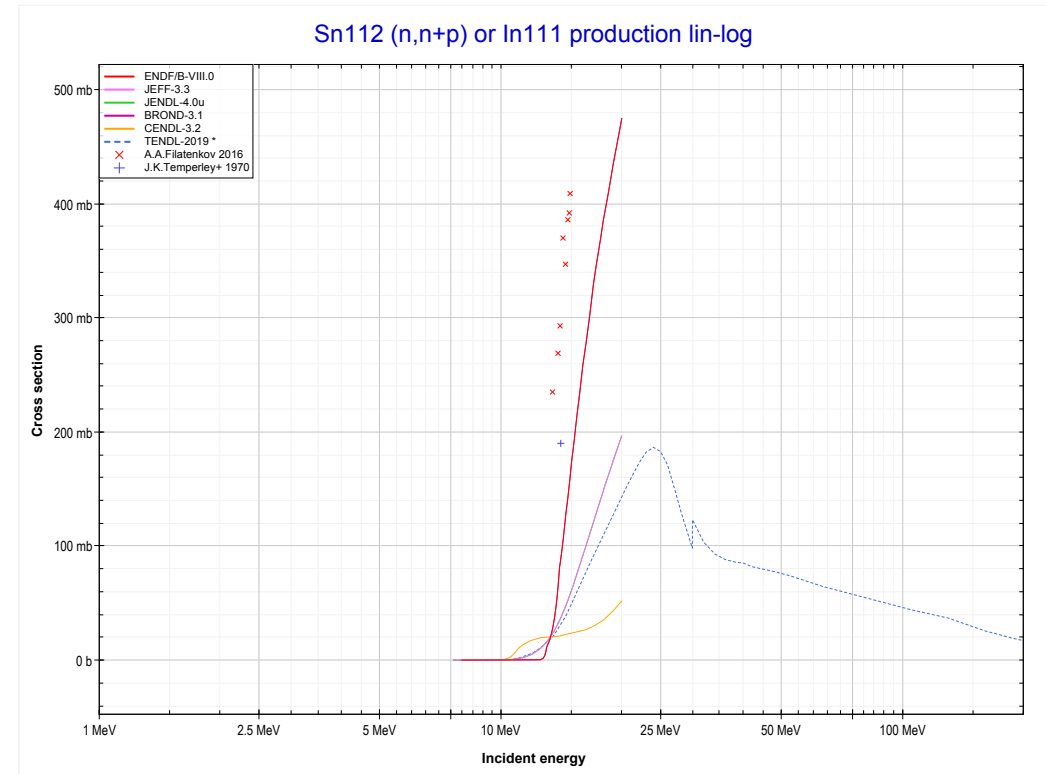
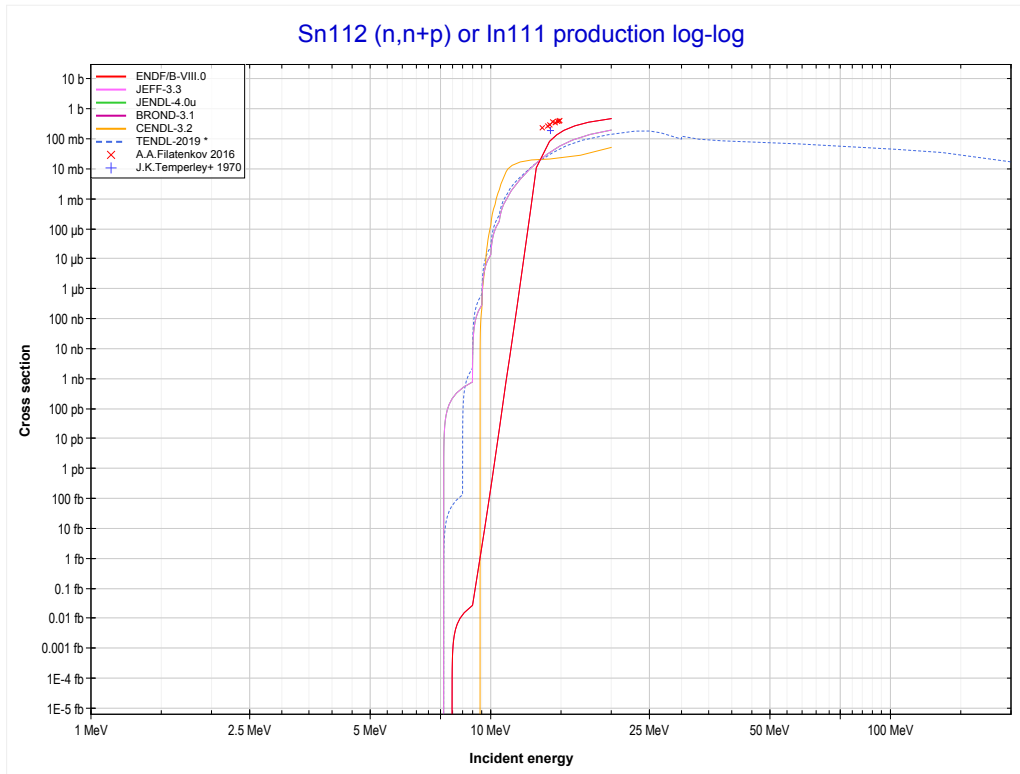
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.44469 b | 4.44469 b | 5.0151 b | 1.12833 | 81.3688 b | 4.78349 b | 2.93034 b |
| JEFF-3.3 | 4.60881 b | 4.60881 b | 5.2002 b | 1.12832 | 93.3872 b | 4.81744 b | 2.4932 b |
| JENDL-4.0u | 4.60881 b | 4.60881 b | 5.2002 b | 1.12832 | 93.3872 b | 4.81744 b | 2.4932 b |
| BROND-3.1 | 4.44469 b | 4.44469 b | 5.0151 b | 1.12833 | 81.3688 b | 4.78349 b | 2.93034 b |
| CENDL-3.2 | 4.60881 b | 4.60881 b | 5.2005 b | 1.12839 | 83.2581 b | 4.814 b | 2.567 b |
| TENDL-2019 | 4.25694 b | 4.25694 b | 4.8036 b | 1.12841 | 87.4659 b | 4.95751 b | 2.52545 b |

| | | |
|--------------------|--|-----------------|
| << 50-Sn-Nat | 50-Sn-112 | 50-Sn-114 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn111 production) | MT28 (n,n+p) >> |



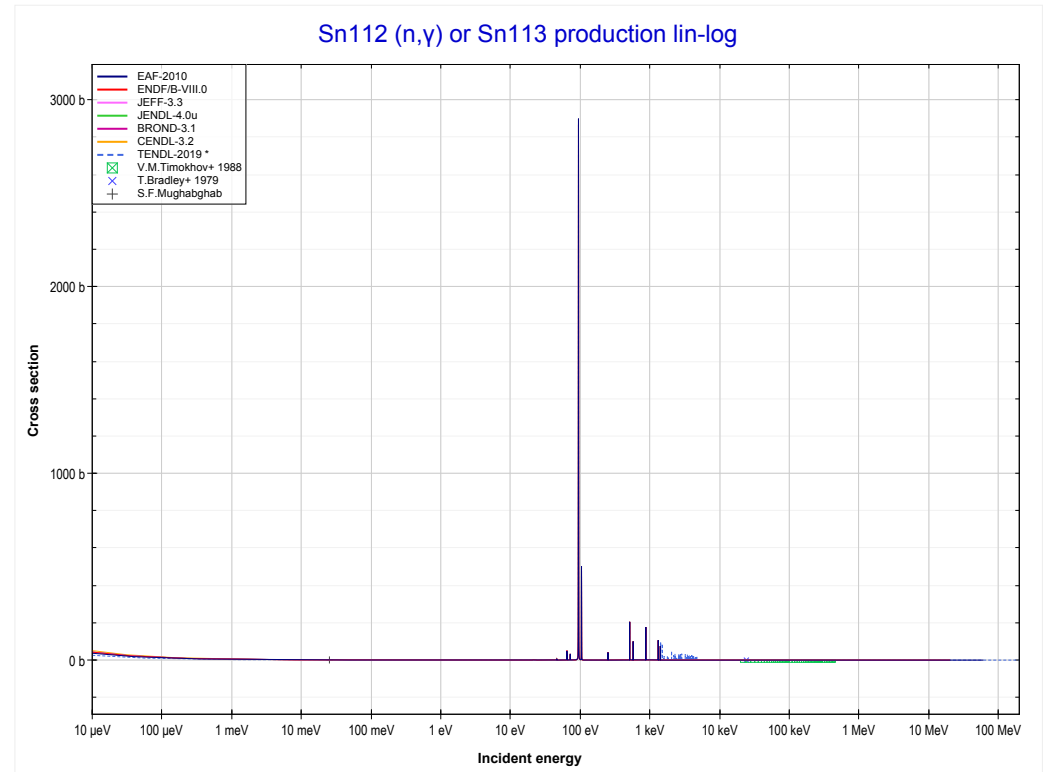
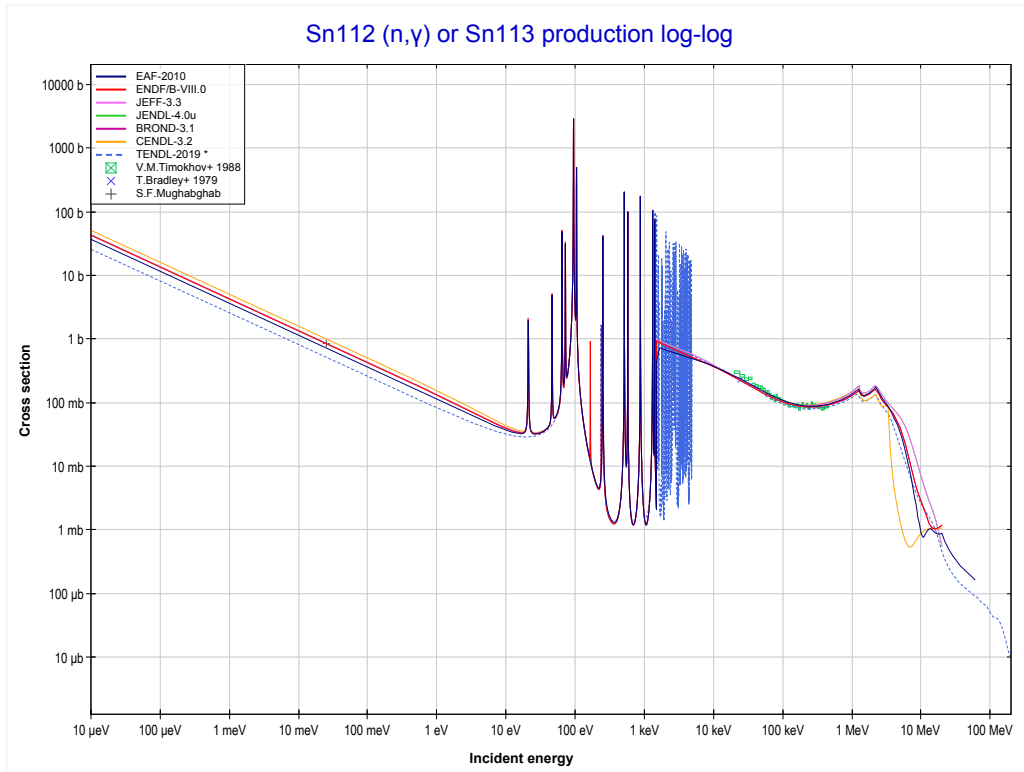
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.35868E-4 b | 1.14298 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90055E-4 b | 1.14298 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50863E-4 b | 1.03545 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.50863E-4 b | 1.03545 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90055E-4 b | 1.14298 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.47021E-4 b | 1.1692 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.71211E-4 b | 1.05947 b |

| | | |
|----------------|---|-------------------------|
| << 48-Cd-116 | 50-Sn-112 | 50-Sn-117 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (In111 production) | MT102 (n, γ) >> |



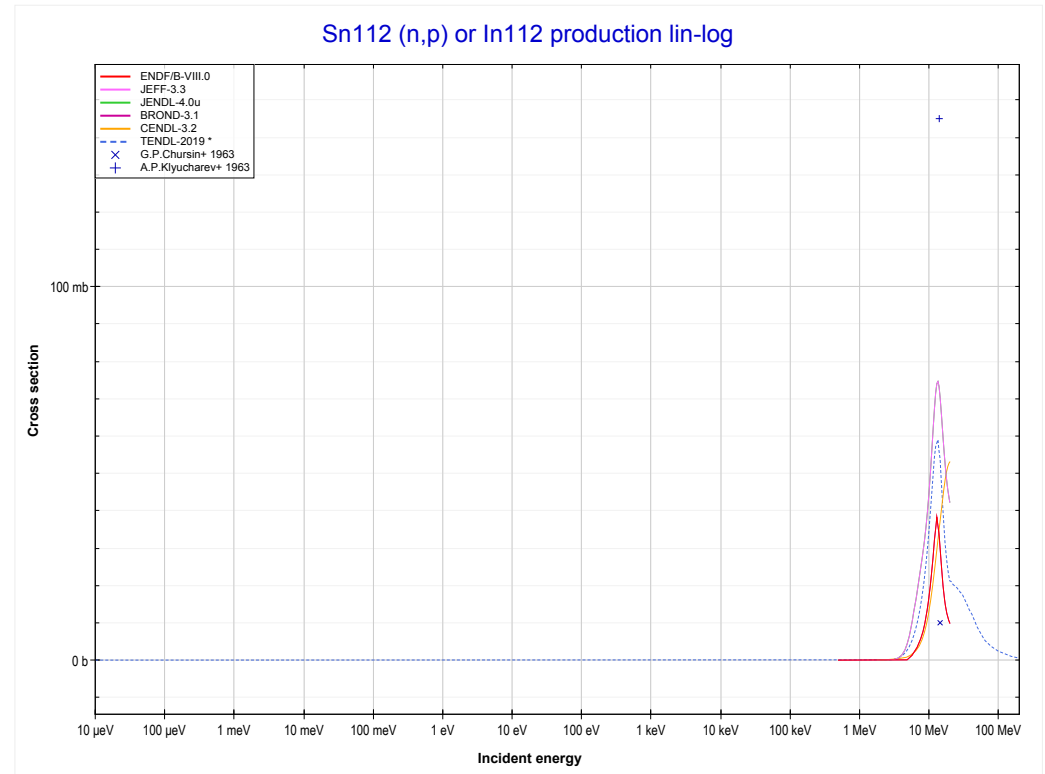
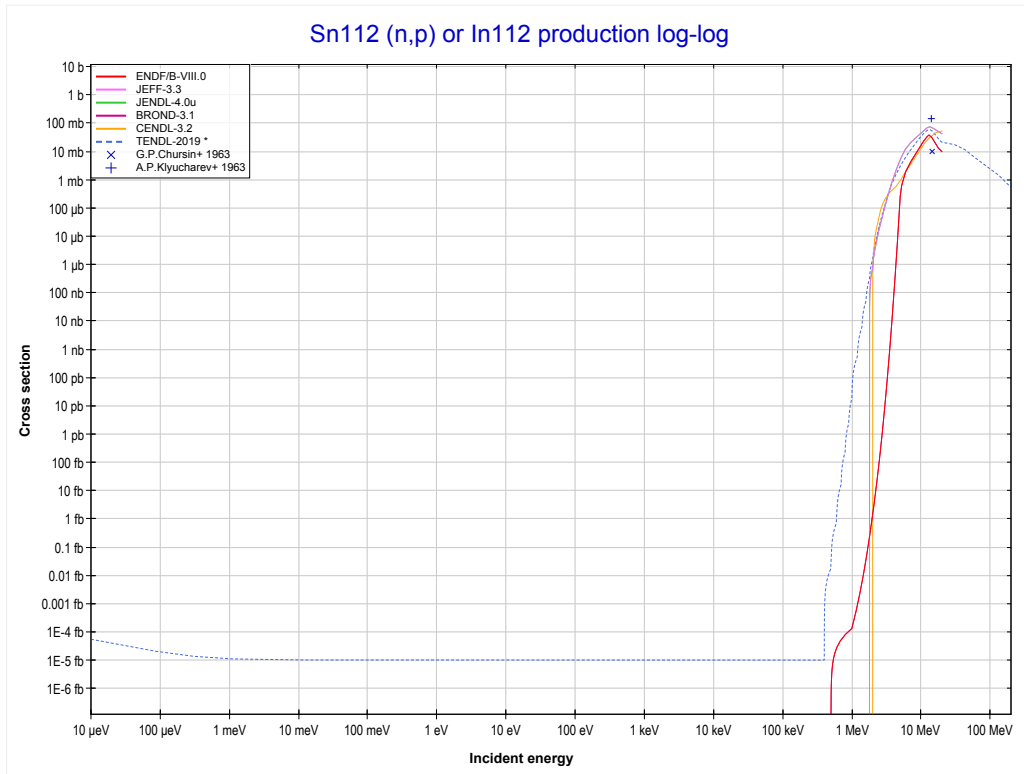
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.66902E-5 b | 0.0808589 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51951E-5 b | 0.0343925 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.51951E-5 b | 0.0343925 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.66902E-5 b | 0.0808589 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.96193E-5 b | 0.021189 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37431E-5 b | 0.0299276 b |

| | | |
|-----------------|--|----------------|
| << 50-Sn-Nat | 50-Sn-112 | 50-Sn-113 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sn113 production) | MT103 (n,p) >> |



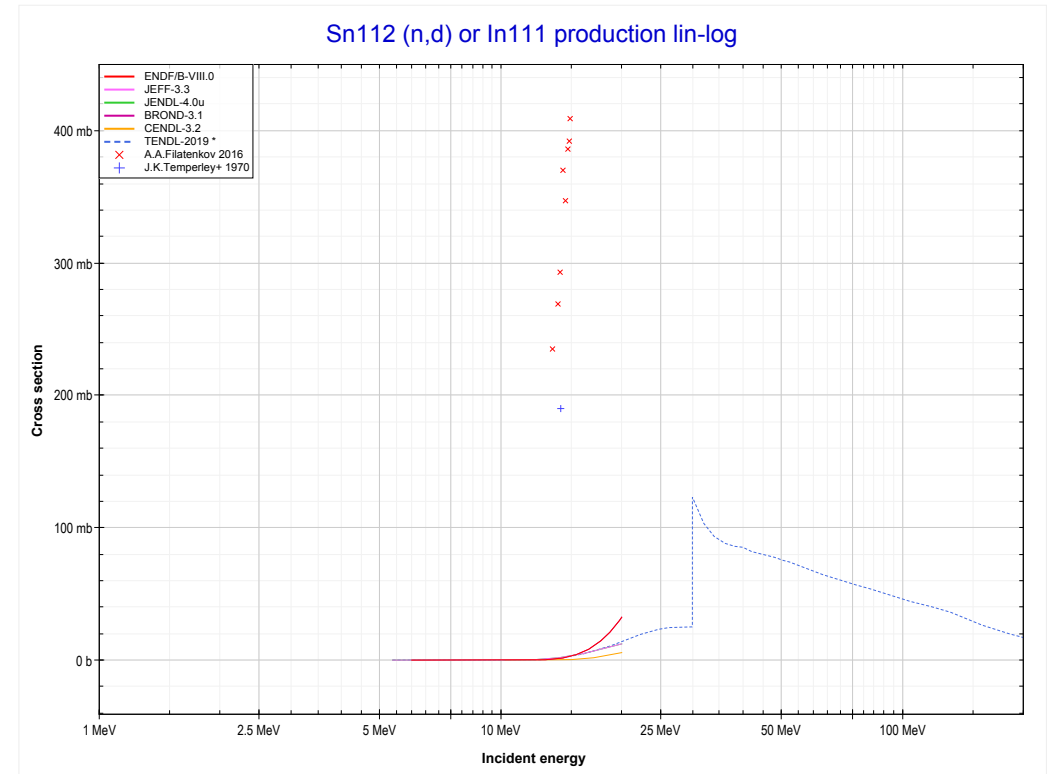
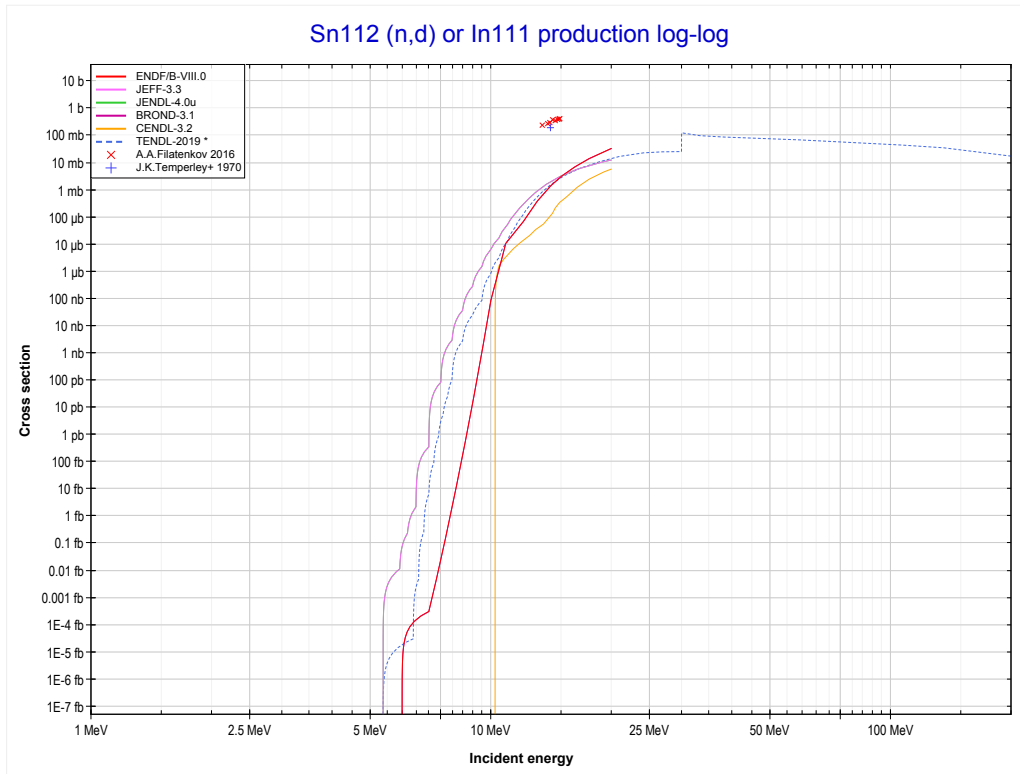
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.731636 b | 0.731087 b | 0.73082 b | 0.99963 | 29.8869 b | 0.112507 b | 0.001043 b |
| ENDF/B-VIII.0 | 0.850232 b | 0.850232 b | 0.85028 b | 1.00006 | 29.5533 b | 0.10892 b | 0.00111473 b |
| JEFF-3.3 | 0.860575 b | 0.860575 b | 0.86064 b | 1.00007 | 30.1555 b | 0.124019 b | 0.00235857 b |
| JENDL-4.0u | 0.860575 b | 0.860575 b | 0.86064 b | 1.00007 | 30.1555 b | 0.124019 b | 0.00235857 b |
| BROND-3.1 | 0.850232 b | 0.850232 b | 0.85028 b | 1.00006 | 29.5533 b | 0.10892 b | 0.00111473 b |
| CENDL-3.2 | 1.00901 b | 1.00901 b | 1.0086 b | 0.99957 | 30.0706 b | 0.0989291 b | 0.0010683 b |
| TENDL-2019 | 0.510533 b | 0.510533 b | 0.51069 b | 1.00031 | 29.8436 b | 0.0925593 b | 0.0014091 b |

| | | |
|-------------------------|--|----------------|
| << 49-In-115 | 50-Sn-112 | 50-Sn-114 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In112 production) | MT104 (n,d) >> |



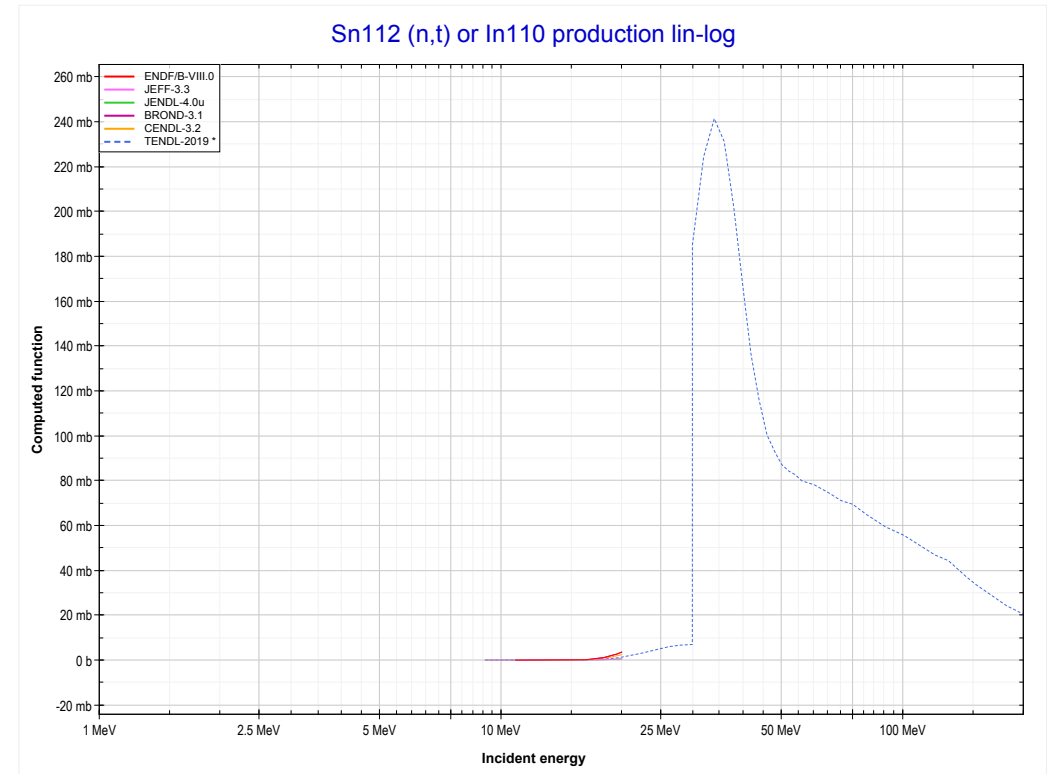
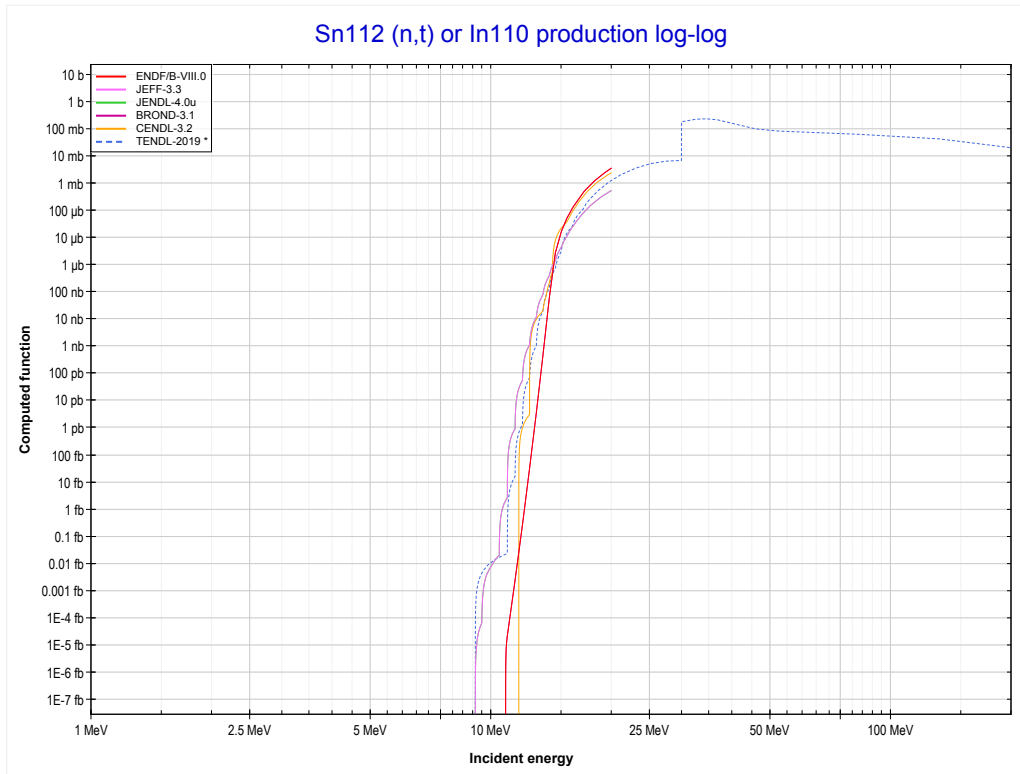
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.19736E-4 b | 0.0337139 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00116406 b | 0.0732822 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00116406 b | 0.0732822 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.19736E-4 b | 0.0337139 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76842E-4 b | 0.034877 b |
| TENDL-2019 | 1.0045E-20 b | 1.0045E-20 b | 1.1335E-20 b | 1.12845 | 1.22071E-19 b | 7.37906E-4 b | 0.0558509 b |

| | | |
|----------------|--|----------------|
| << 48-Cd-116 | 50-Sn-112 | 50-Sn-118 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (In111 production) | MT105 (n,t) >> |



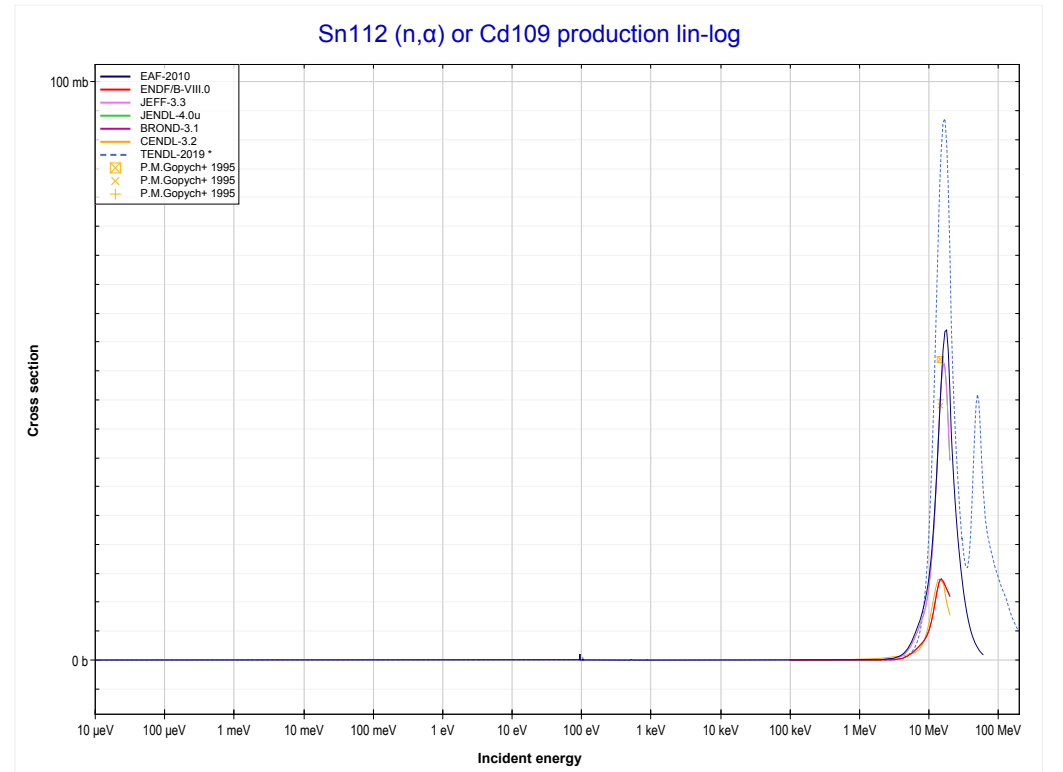
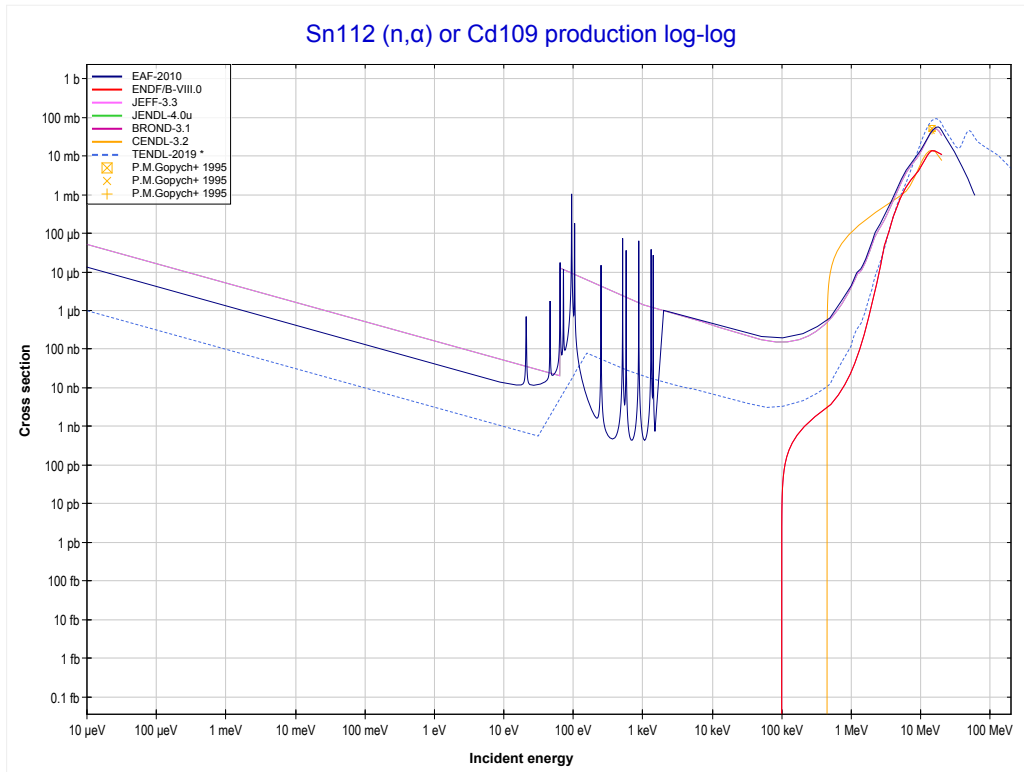
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.98629E-7 b | 0.00122252 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.12163E-7 b | 0.00182784 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.12163E-7 b | 0.00182784 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.98629E-7 b | 0.00122252 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00237E-7 b | 9.3086E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.12836E-7 b | 0.00137338 b |

| | | |
|----------------|--|-------------------------|
| << 49-In-115 | 50-Sn-112 | 52-Te-128 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (In110 production) | MT107 (n, α) >> |



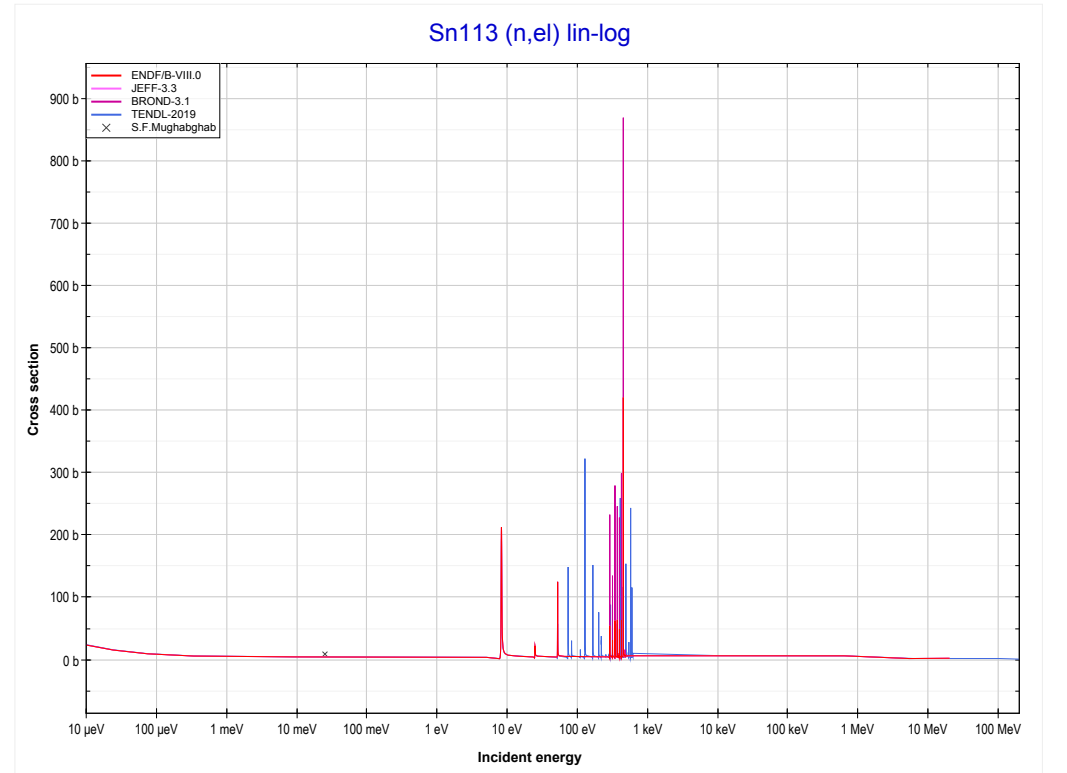
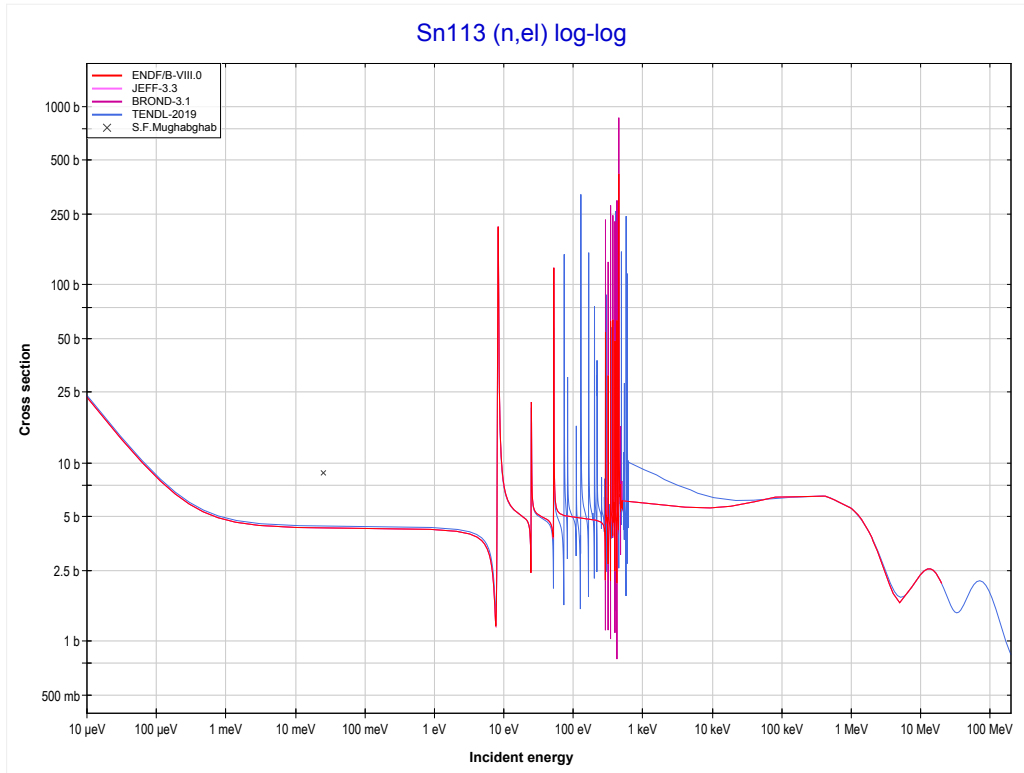
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01421E-8 b | 5.70888E-8 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.57505E-9 b | 3.81986E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.57505E-9 b | 3.81986E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01421E-8 b | 5.70888E-8 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5129E-8 b | 2.0385E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.24978E-9 b | 1.34735E-7 b |

| | | |
|----------------|--|------------------------------|
| << 49-In-115 | 50-Sn-112 | 50-Sn-114 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Cd109 production) | 50-Sn-113 MT2 (n,elastic) >> |



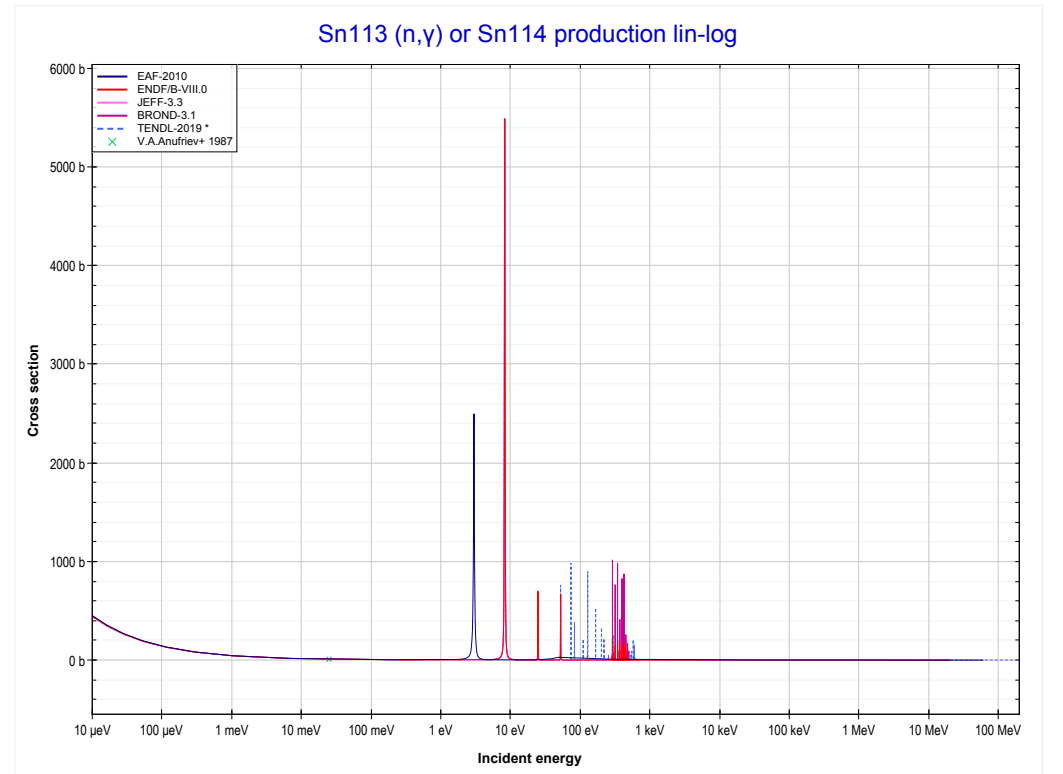
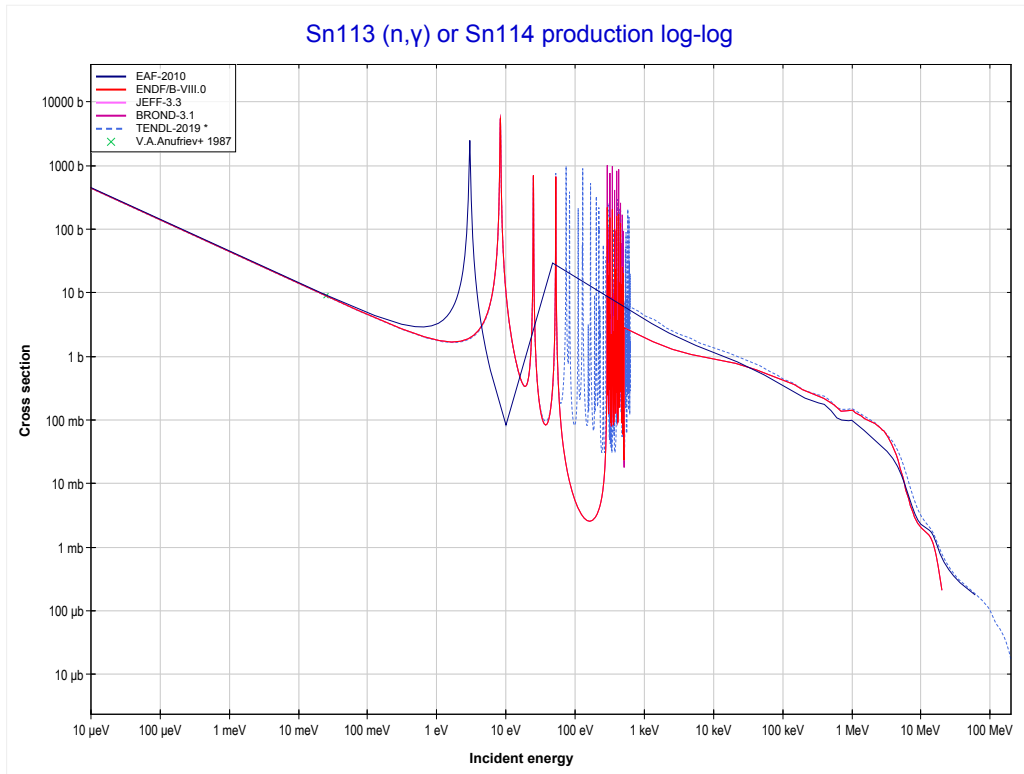
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2.6569E-7 b | 2.65491E-7 b | 2.6539E-7 b | 0.99963 | 1.2137E-5 b | 4.71903E-4 b | 0.0405052 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.80661E-21 b | 1.5209E-4 b | 0.0134422 b |
| JEFF-3.3 | 1.02919E-6 b | 1.02919E-6 b | 1.0296E-6 b | 1.00043 | 1.69577E-5 b | 4.00161E-4 b | 0.0408082 b |
| JENDL-4.0u | 1.02919E-6 b | 1.02919E-6 b | 1.0296E-6 b | 1.00043 | 1.69577E-5 b | 4.00161E-4 b | 0.0408082 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.80662E-21 b | 1.5209E-4 b | 0.0134422 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.49474E-4 b | 0.014015 b |
| TENDL-2019 | 1.98354E-8 b | 1.98354E-8 b | 1.9825E-8 b | 0.9995 | 1.50683E-7 b | 3.04083E-4 b | 0.0781734 b |

| | | |
|-----------------------------------|------------------------|-------------------------|
| << 50-Sn-112 | 50-Sn-113 | 50-Sn-114 >> |
| << 50-Sn-112 MT107 (n, α) | MT2 (n,elastic) | MT102 (n, γ) >> |



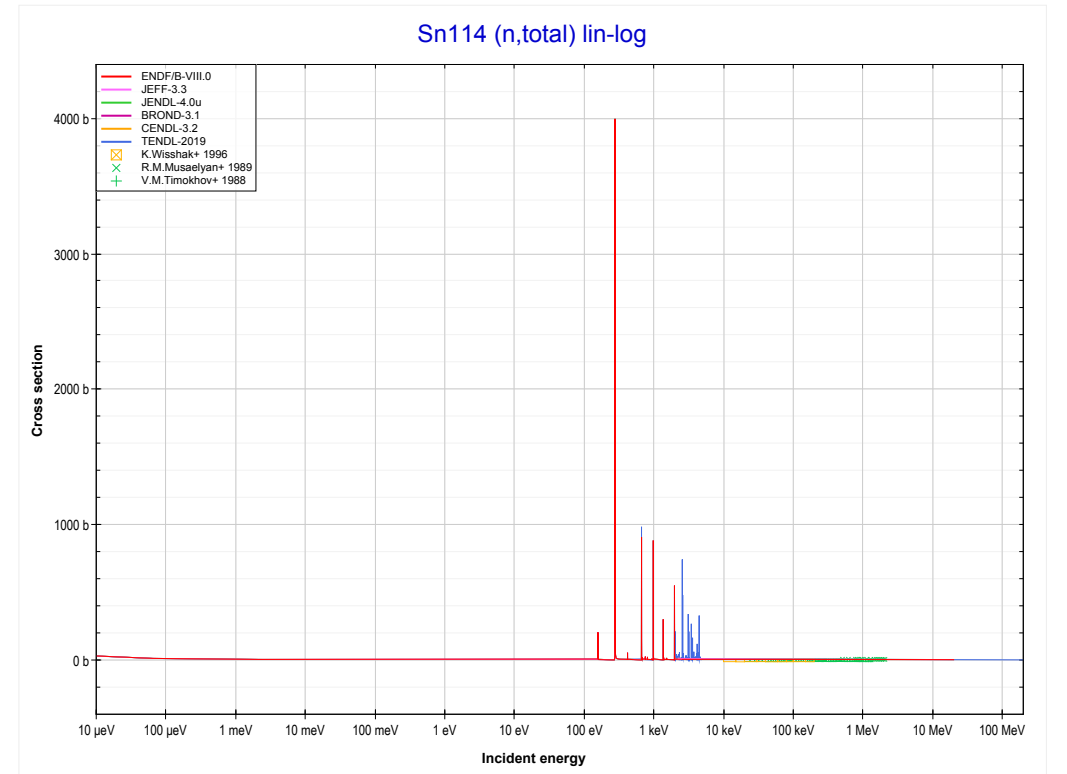
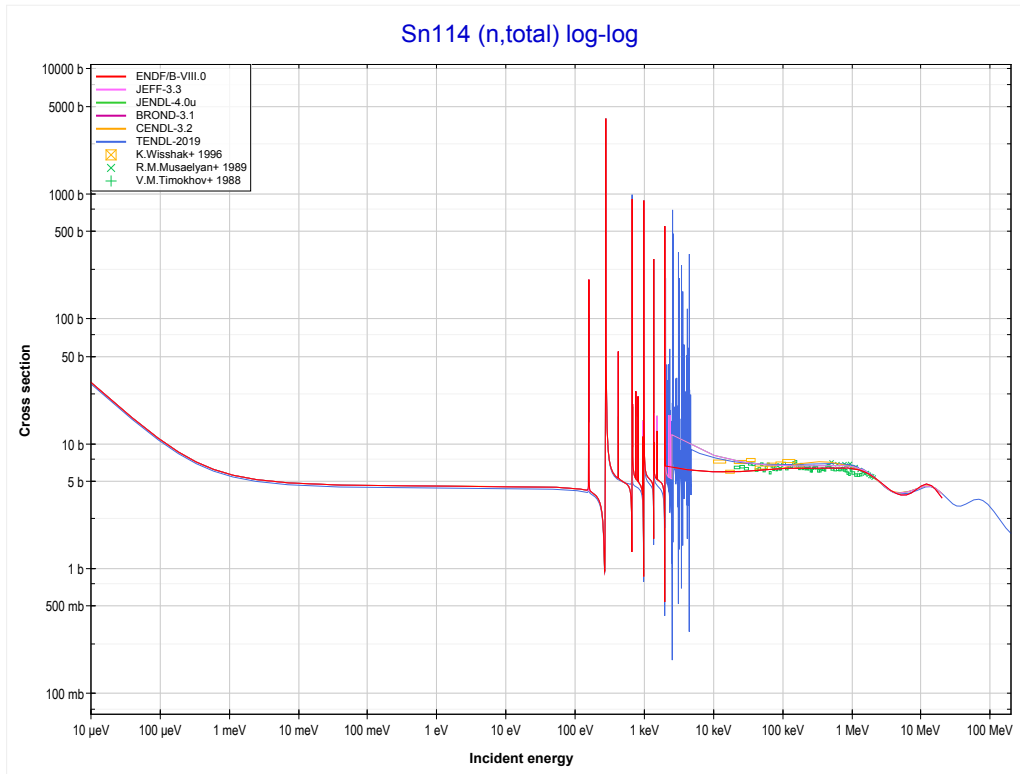
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.31486 b | 4.31486 b | 4.8671 b | 1.12797 | 74.1559 b | 4.28909 b | 2.54389 b |
| JEFF-3.3 | 4.31486 b | 4.31486 b | 4.8671 b | 1.12797 | 74.1559 b | 4.28909 b | 2.54389 b |
| BROND-3.1 | 4.31486 b | 4.31486 b | 4.8671 b | 1.12797 | 74.1567 b | 4.28909 b | 2.54389 b |
| TENDL-2019 | 4.4211 b | 4.4211 b | 4.9873 b | 1.12806 | 85.8353 b | 4.31414 b | 2.54217 b |

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|--------------------|--|----------------------------|
| << 50-Sn-112 | 50-Sn-113 | 50-Sn-114 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sn114 production) | 50-Sn-114 MT1 (n,total) >> |



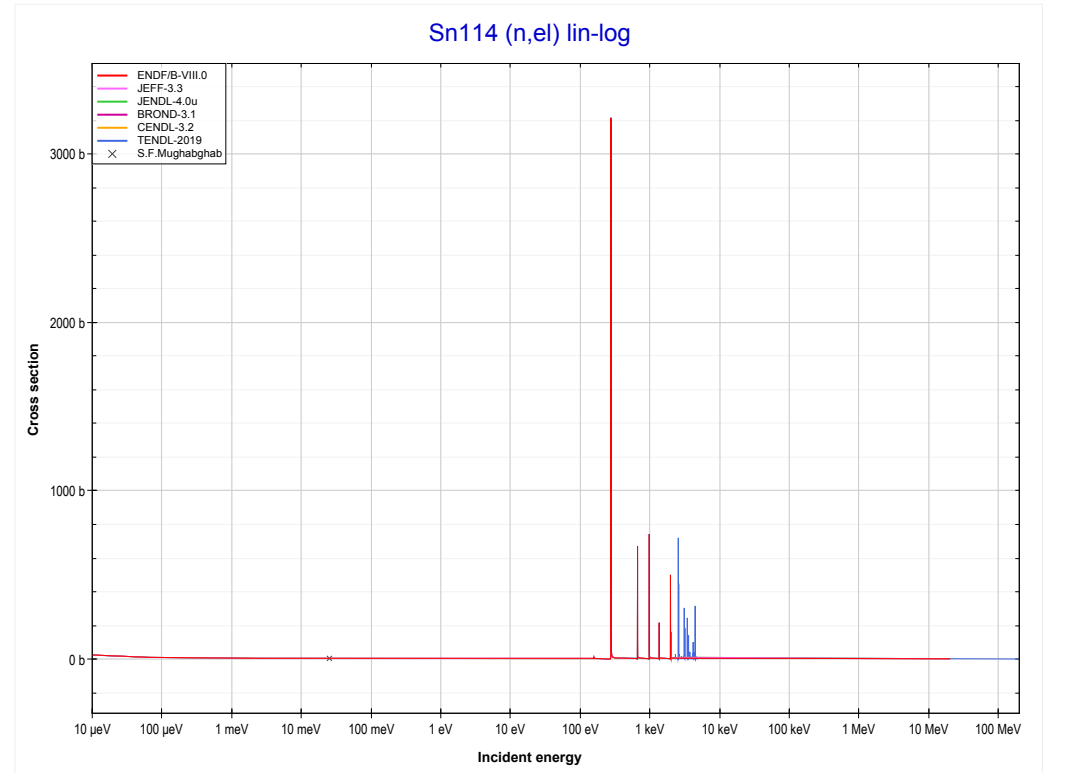
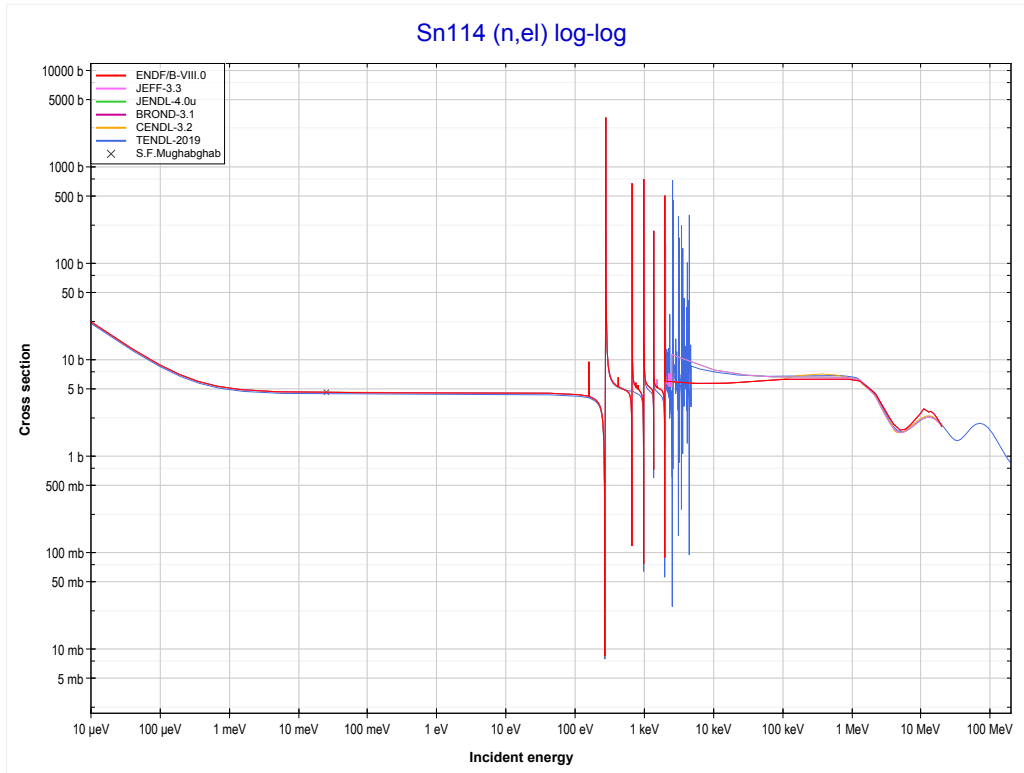
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9.16467 b | 9.15797 b | 9.2495 b | 1.01001 | 190.899 b | 0.0840195 b | 0.00173165 b |
| ENDF/B-VIII.0 | 8.86833 b | 8.86833 b | 8.8985 b | 1.0034 | 227.129 b | 0.119539 b | 0.00136915 b |
| JEFF-3.3 | 8.86833 b | 8.86833 b | 8.8985 b | 1.0034 | 227.129 b | 0.119539 b | 0.00136915 b |
| BROND-3.1 | 8.86833 b | 8.86833 b | 8.8985 b | 1.0034 | 227.129 b | 0.119539 b | 0.00136915 b |
| TENDL-2019 | 8.7699 b | 8.7699 b | 8.7957 b | 1.00294 | 247.355 b | 0.127617 b | 0.00191384 b |

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|-----------------------------------|----------------------|--------------------|
| << 50-Sn-112 | 50-Sn-114 | 50-Sn-115 >> |
| << 50-Sn-113 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



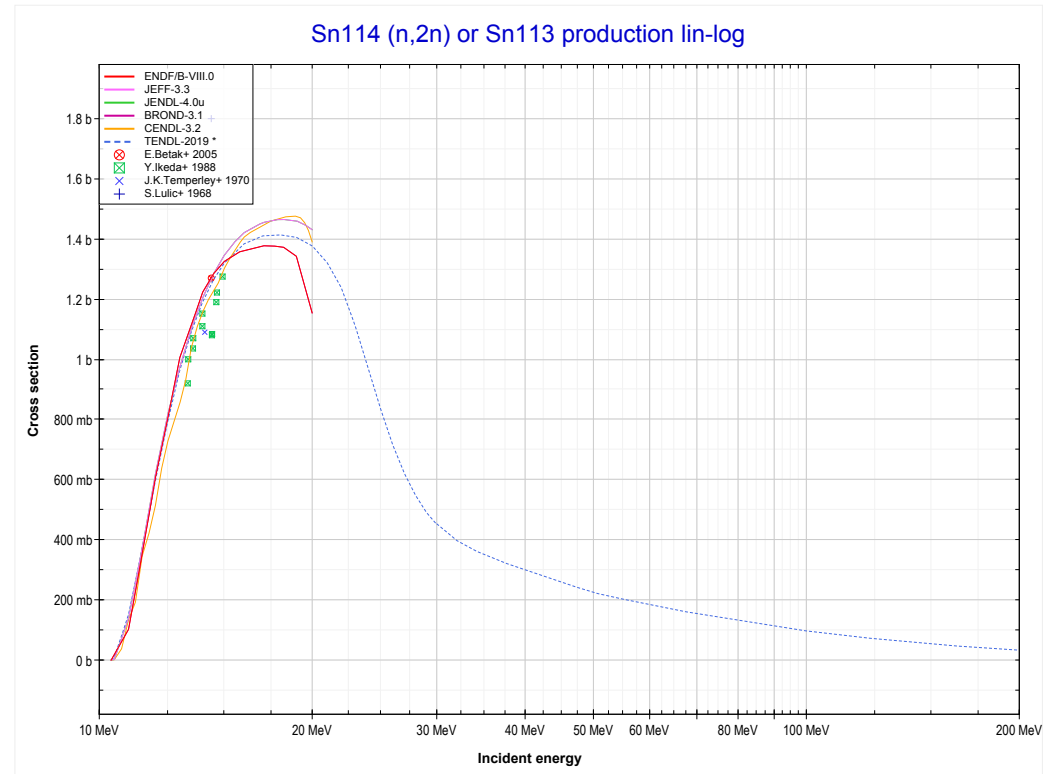
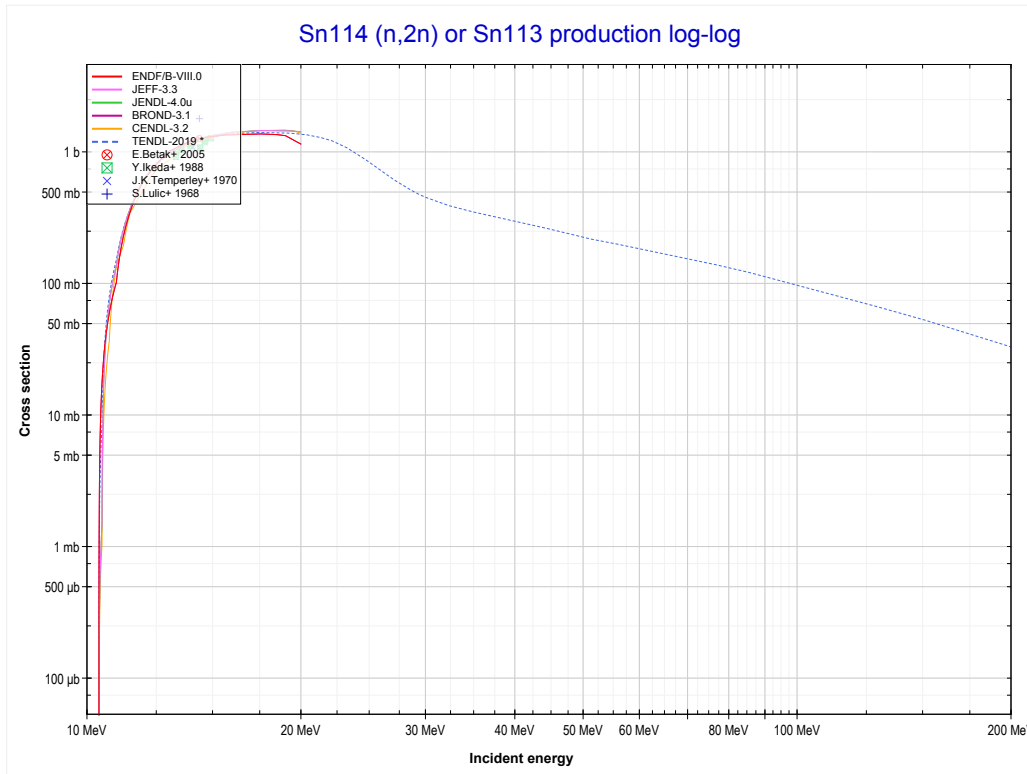
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.69118 b | 4.69118 b | 5.2773 b | 1.12495 | 89.1129 b | 5.53382 b | 4.63944 b |
| JEFF-3.3 | 4.69118 b | 4.69118 b | 5.2773 b | 1.12495 | 95.4424 b | 5.67609 b | 4.54642 b |
| JENDL-4.0u | 4.69118 b | 4.69118 b | 5.2773 b | 1.12495 | 95.4424 b | 5.67609 b | 4.54642 b |
| BROND-3.1 | 4.69119 b | 4.69119 b | 5.2773 b | 1.12495 | 89.1129 b | 5.53382 b | 4.63944 b |
| CENDL-3.2 | 4.69115 b | 4.69115 b | 5.2776 b | 1.12501 | 87.8599 b | 5.70844 b | 4.5607 b |
| TENDL-2019 | 4.52695 b | 4.52695 b | 5.0923 b | 1.12489 | 94.791 b | 5.75183 b | 4.51834 b |

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|------------------|------------------------|----------------|
| << 50-Sn-113 | 50-Sn-114 | 50-Sn-116 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



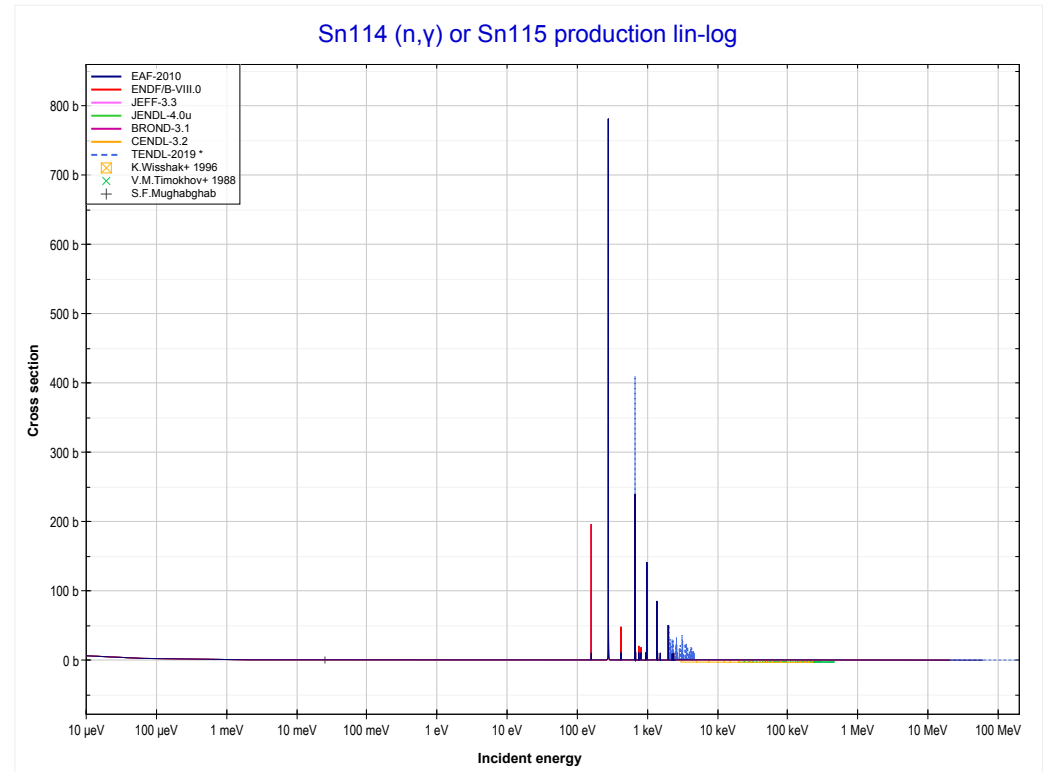
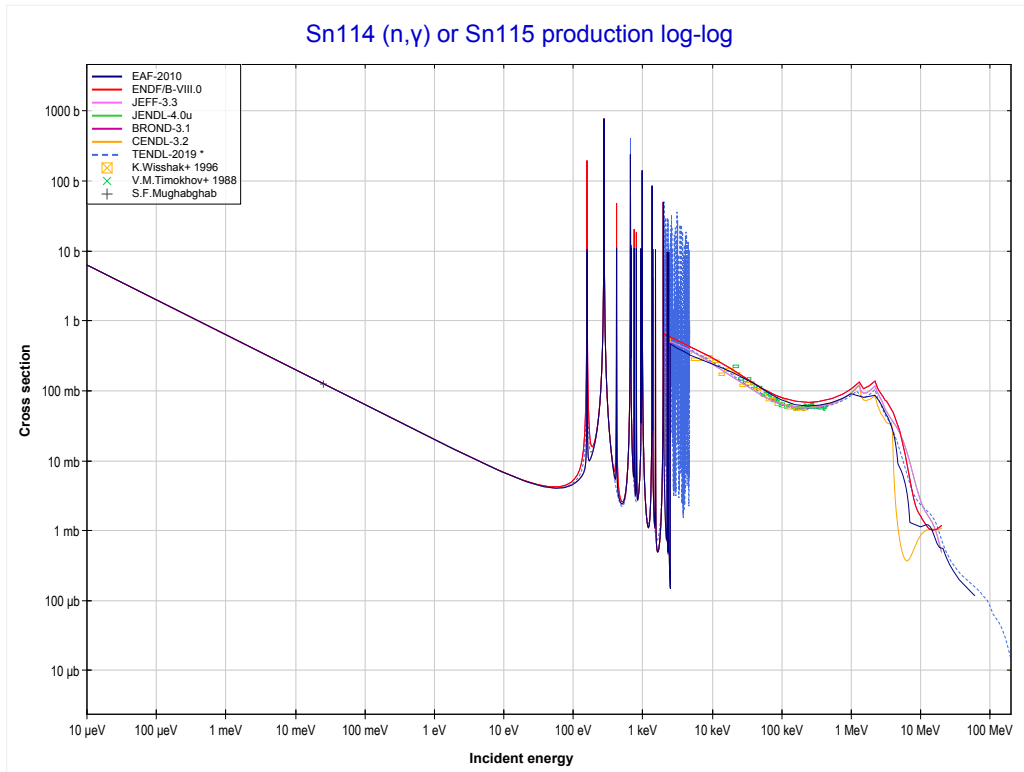
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.56588 b | 4.56588 b | 5.152 b | 1.12837 | 81.6171 b | 4.79184 b | 2.91373 b |
| JEFF-3.3 | 4.56588 b | 4.56588 b | 5.152 b | 1.12837 | 89.2595 b | 4.80117 b | 2.52169 b |
| JENDL-4.0u | 4.56588 b | 4.56588 b | 5.152 b | 1.12837 | 89.2595 b | 4.80117 b | 2.52169 b |
| BROND-3.1 | 4.56588 b | 4.56588 b | 5.152 b | 1.12837 | 81.6171 b | 4.79184 b | 2.91373 b |
| CENDL-3.2 | 4.56588 b | 4.56588 b | 5.1523 b | 1.12843 | 81.5175 b | 4.85037 b | 2.6055 b |
| TENDL-2019 | 4.40183 b | 4.40183 b | 4.9672 b | 1.12843 | 87.4019 b | 4.96625 b | 2.55875 b |

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|--------------------|--|-------------------------|
| << 50-Sn-112 | 50-Sn-114 | 50-Sn-118 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn113 production) | MT102 (n, γ) >> |



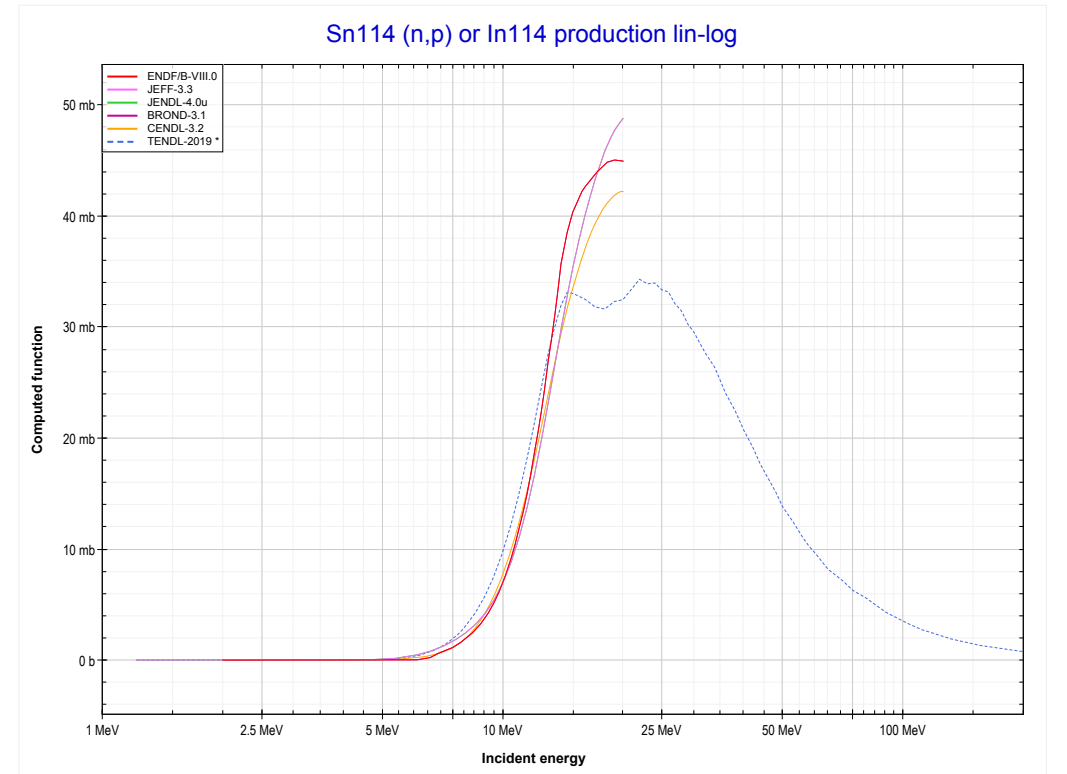
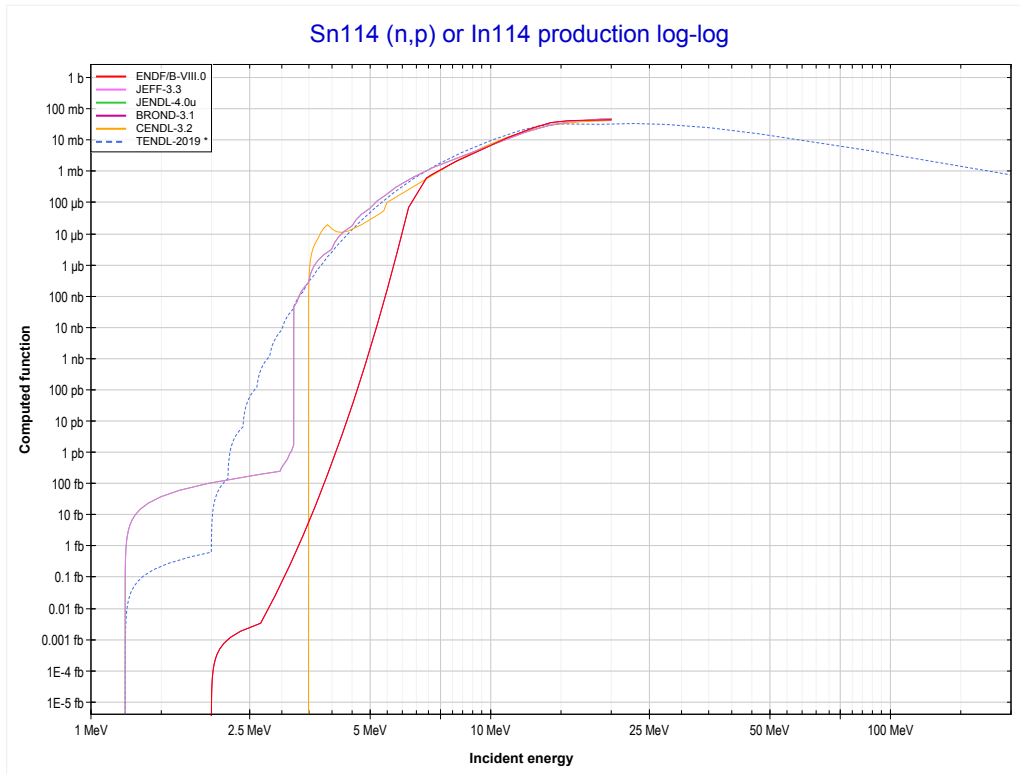
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.68036E-4 b | 1.22266 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.83963E-4 b | 1.20362 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.83963E-4 b | 1.20362 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.68036E-4 b | 1.22266 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.13732E-4 b | 1.1567 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.78474E-4 b | 1.19047 b |

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|----------------|--|----------------|
| << 50-Sn-113 | 50-Sn-114 | 50-Sn-115 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sn115 production) | MT103 (n,p) >> |



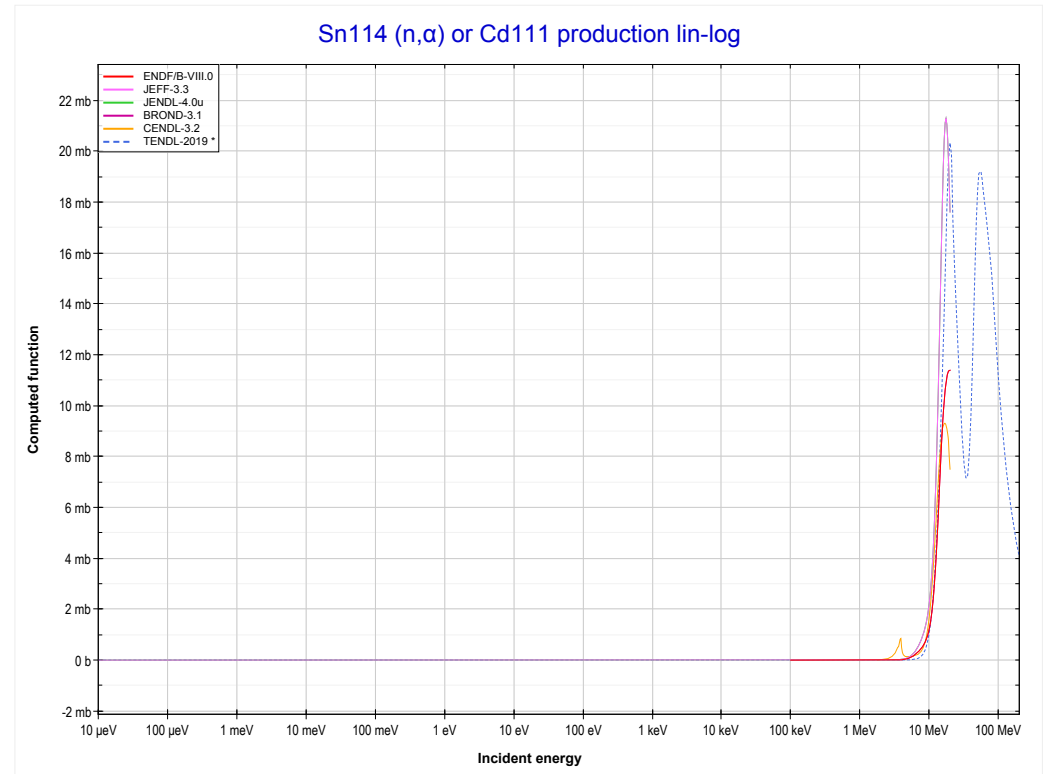
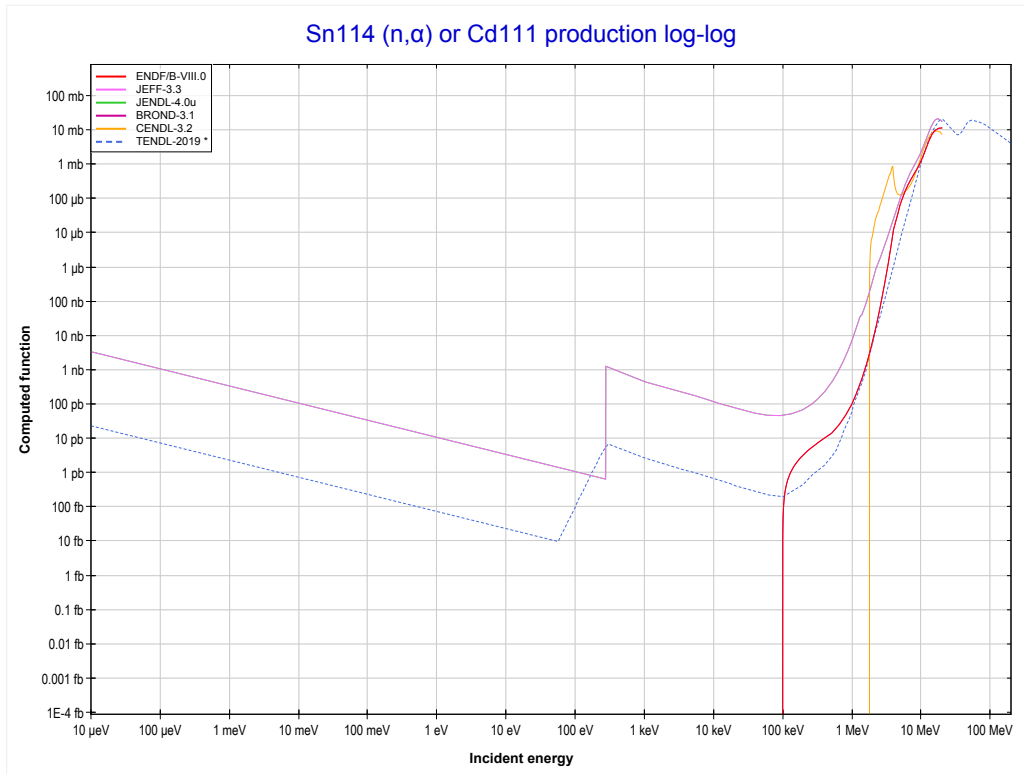
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.125392 b | 0.125298 b | 0.12529 b | 0.99993 | 6.17129 b | 0.0659877 b | 0.00111 b |
| ENDF/B-VIII.0 | 0.125309 b | 0.125309 b | 0.12537 b | 1.00048 | 7.4958 b | 0.0893453 b | 0.00102469 b |
| JEFF-3.3 | 0.125308 b | 0.125308 b | 0.12537 b | 1.00048 | 6.18287 b | 0.0751454 b | 0.00141908 b |
| JENDL-4.0u | 0.125308 b | 0.125308 b | 0.12537 b | 1.00048 | 6.18287 b | 0.0751454 b | 0.00141908 b |
| BROND-3.1 | 0.125309 b | 0.125309 b | 0.12537 b | 1.00048 | 7.4958 b | 0.0893453 b | 0.00102469 b |
| CENDL-3.2 | 0.125274 b | 0.125274 b | 0.12529 b | 1.00014 | 6.33138 b | 0.0634743 b | 0.0010647 b |
| TENDL-2019 | 0.125117 b | 0.125117 b | 0.12514 b | 1.00015 | 7.38154 b | 0.0665091 b | 0.00169807 b |

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|-------------------------|--|-------------------------|
| << 50-Sn-112 | 50-Sn-114 | 50-Sn-115 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In114 production) | MT107 (n, α) >> |



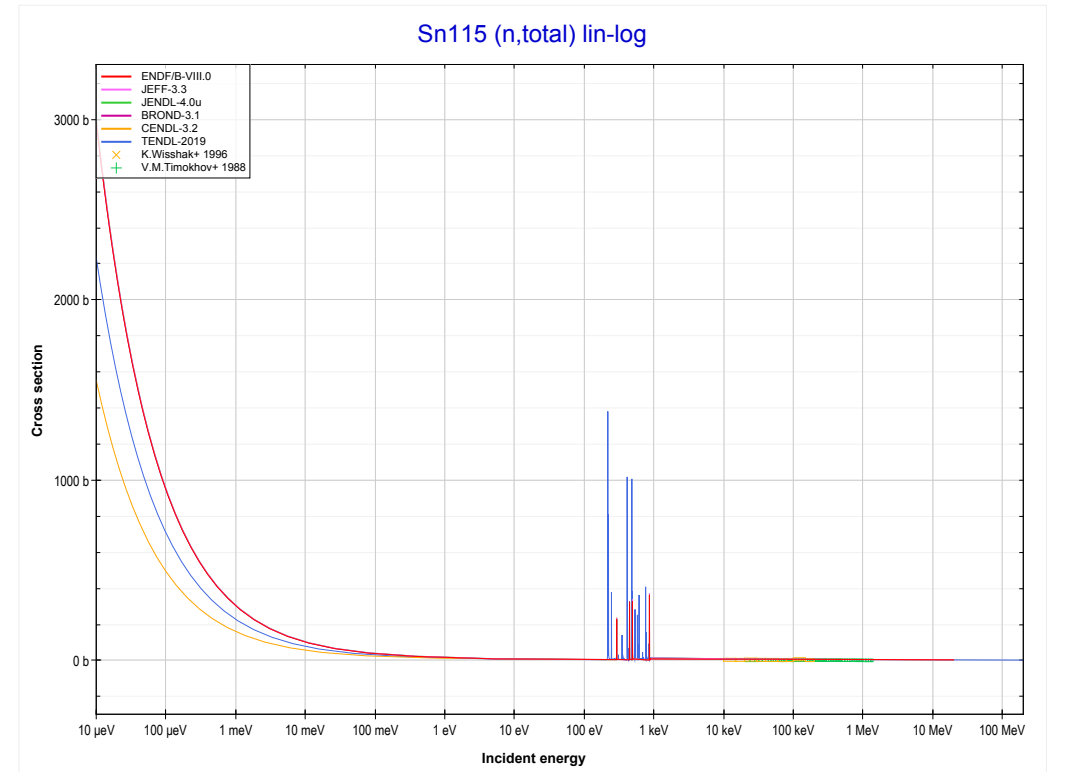
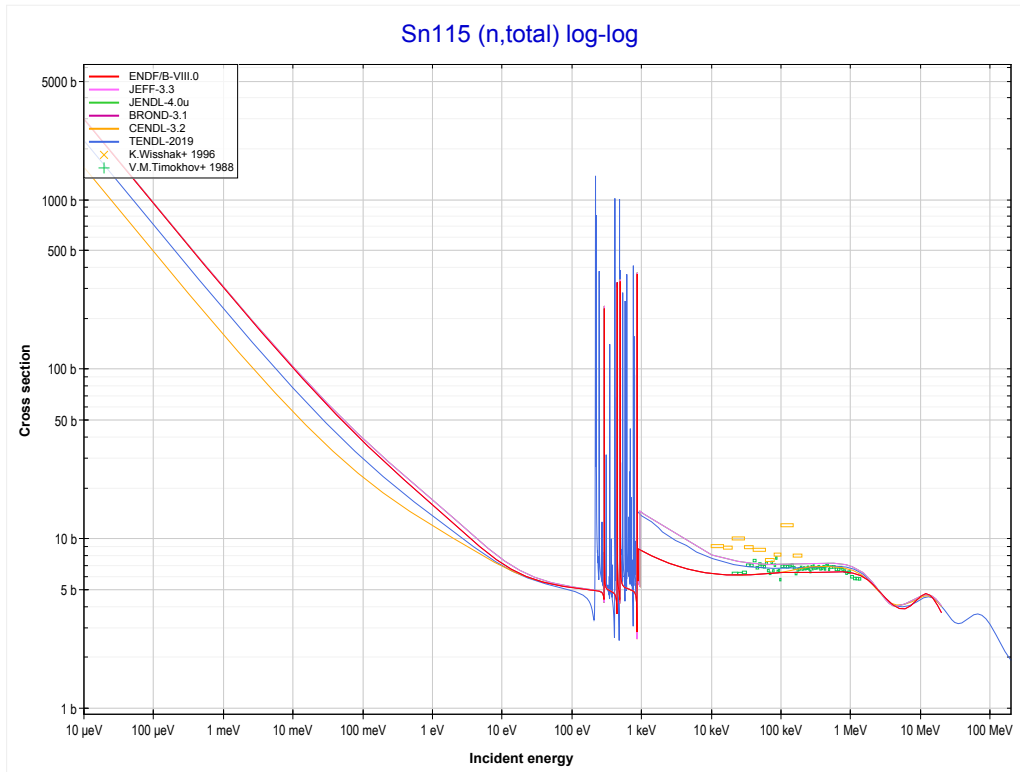
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.17955E-5 b | 0.0357131 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.02306E-5 b | 0.0297897 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.02306E-5 b | 0.0297897 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.17955E-5 b | 0.0357131 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.85259E-5 b | 0.029409 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.36479E-5 b | 0.0319584 b |

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|----------------|--|----------------------------|
| << 50-Sn-112 | 50-Sn-114 | 50-Sn-118 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Cd111 production) | 50-Sn-115 MT1 (n,total) >> |



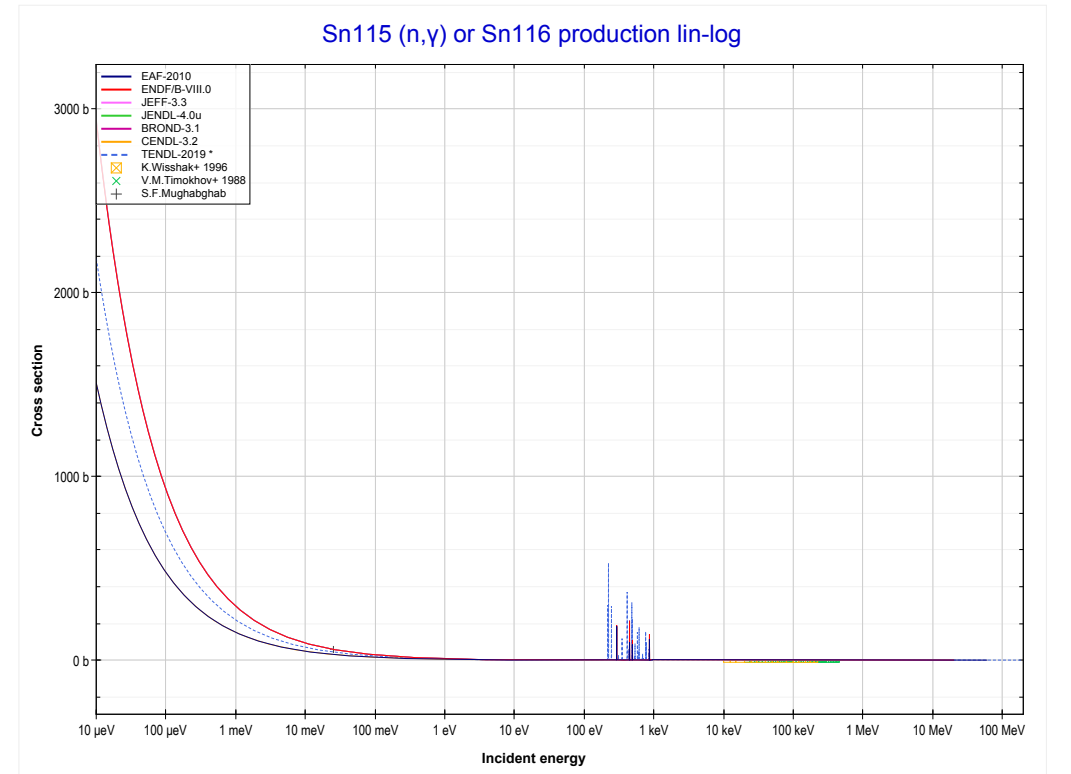
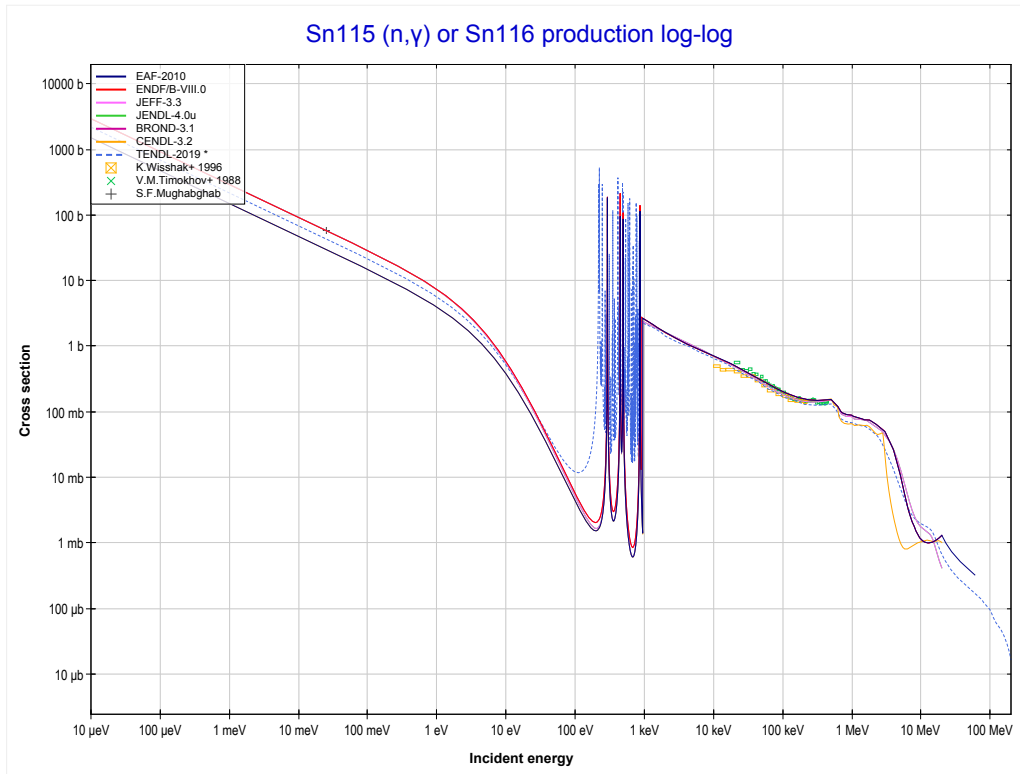
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 6.80513E-24 b | 2.17353E-5 b | 0.00661903 b |
| JEFF-3.3 | 6.68256E-11 b | 6.68256E-11 b | 6.6852E-11 b | 1.00039 | 1.76579E-9 b | 3.85548E-5 b | 0.0124149 b |
| JENDL-4.0u | 6.6826E-11 b | 6.6826E-11 b | 6.6852E-11 b | 1.00039 | 1.76579E-9 b | 3.85548E-5 b | 0.0124149 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 6.80513E-24 b | 2.17353E-5 b | 0.00661903 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92508E-5 b | 0.0077062 b |
| TENDL-2019 | 4.5883E-13 b | 4.5883E-13 b | 4.5859E-13 b | 0.99949 | 1.15938E-11 b | 1.0624E-5 b | 0.00744983 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 50-Sn-114 | 50-Sn-115 | 50-Sn-116 >> |
| << 50-Sn-114 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



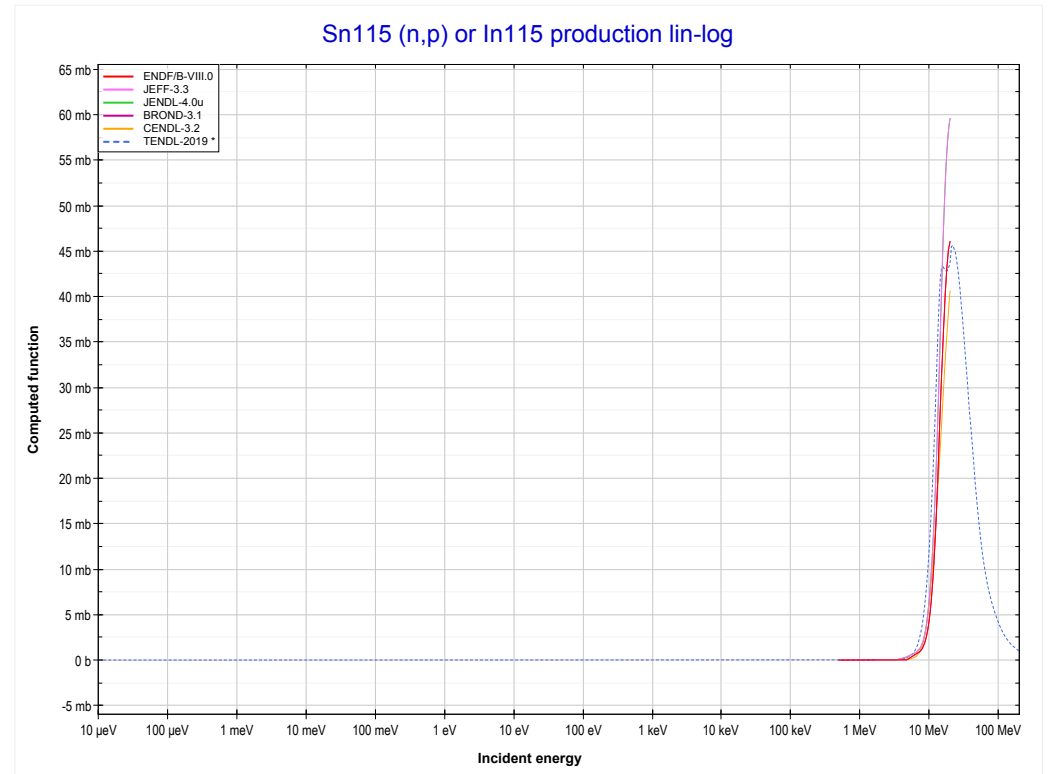
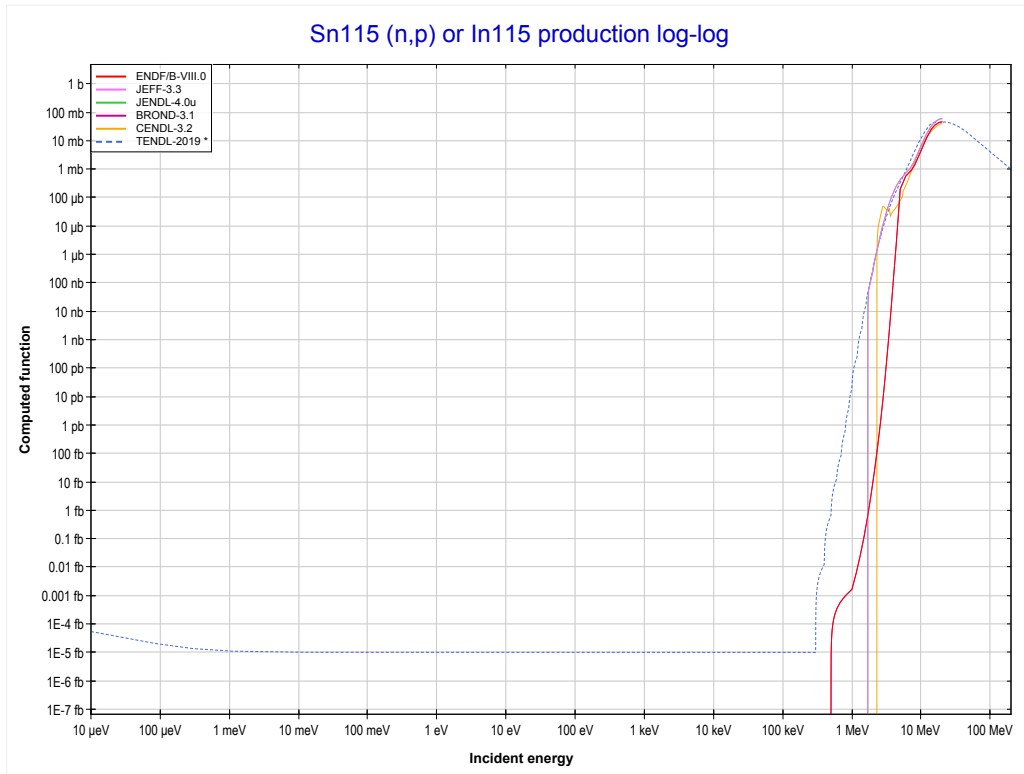
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 67.0953 b | 67.0953 b | 68.09 b | 1.01482 | 96.7809 b | 5.5341 b | 4.63944 b |
| JEFF-3.3 | 68.7501 b | 68.7501 b | 69.914 b | 1.01692 | 111.577 b | 5.88605 b | 4.64612 b |
| JENDL-4.0u | 68.7501 b | 68.7501 b | 69.914 b | 1.01692 | 111.577 b | 5.88605 b | 4.64612 b |
| BROND-3.1 | 67.0953 b | 67.0953 b | 68.09 b | 1.01482 | 96.7809 b | 5.5341 b | 4.63944 b |
| CENDL-3.2 | 38.2542 b | 38.2542 b | 39.25 b | 1.02603 | 89.2881 b | 5.6915 b | 4.5821 b |
| TENDL-2019 | 51.6716 b | 51.6716 b | 52.628 b | 1.01852 | 127.529 b | 5.75599 b | 4.54107 b |

| | | |
|------------------|--|----------------|
| << 50-Sn-114 | 50-Sn-115 | 50-Sn-116 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Sn116 production) | MT103 (n,p) >> |



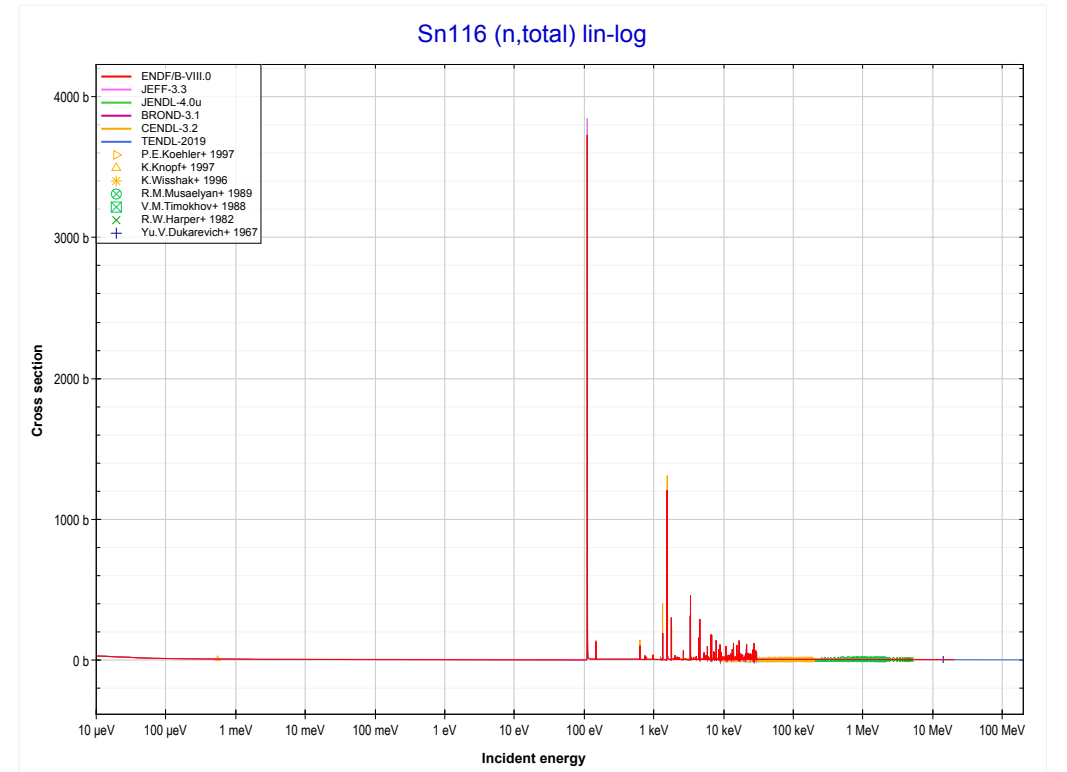
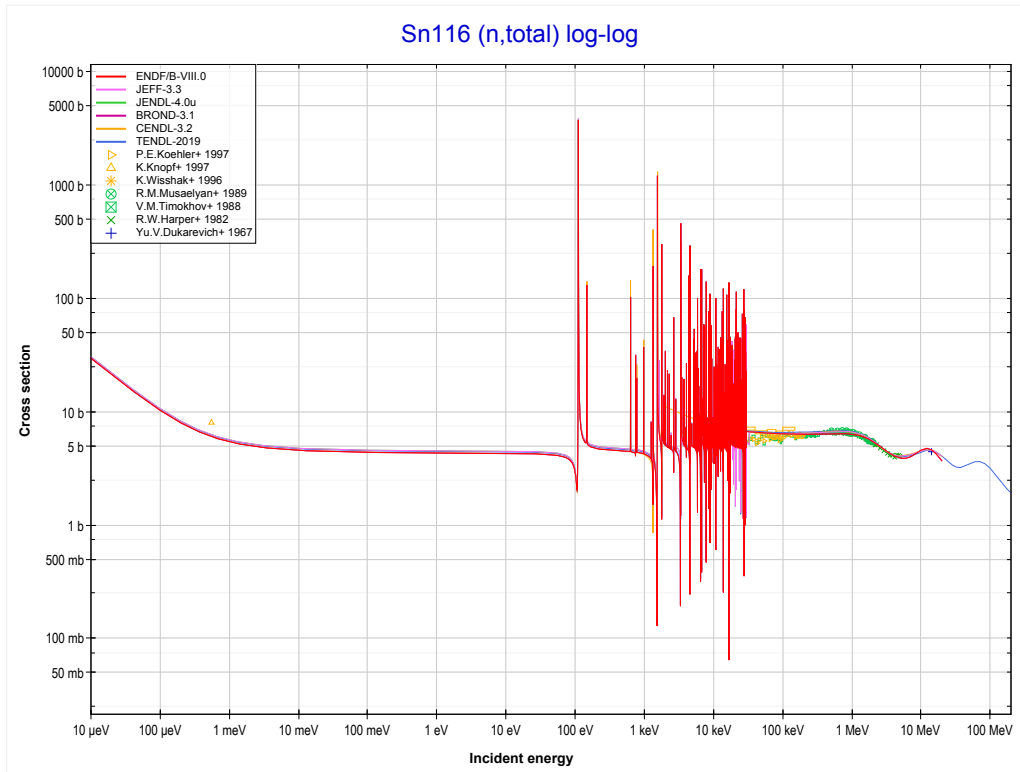
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 29.8484 b | 29.8266 b | 29.754 b | 0.99759 | 13.416 b | 0.0805943 b | 0.00100314 b |
| ENDF/B-VIII.0 | 58.009 b | 58.009 b | 57.854 b | 0.99733 | 20.3377 b | 0.0805855 b | 0.00100314 b |
| JEFF-3.3 | 58.2176 b | 58.2176 b | 58.054 b | 0.99719 | 19.4669 b | 0.0763097 b | 0.0012757 b |
| JENDL-4.0u | 58.2176 b | 58.2176 b | 58.054 b | 0.99719 | 19.4669 b | 0.0763097 b | 0.0012757 b |
| BROND-3.1 | 58.009 b | 58.009 b | 57.854 b | 0.99733 | 20.3377 b | 0.0805855 b | 0.00100314 b |
| CENDL-3.2 | 29.8479 b | 29.8479 b | 29.775 b | 0.99756 | 13.3775 b | 0.0647308 b | 0.0010628 b |
| TENDL-2019 | 43.2497 b | 43.2497 b | 43.137 b | 0.99739 | 27.9491 b | 0.0622984 b | 0.0015513 b |

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|-------------------------|--|----------------------------|
| << 50-Sn-114 | 50-Sn-115 | 50-Sn-116 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In115 production) | 50-Sn-116 MT1 (n,total) >> |



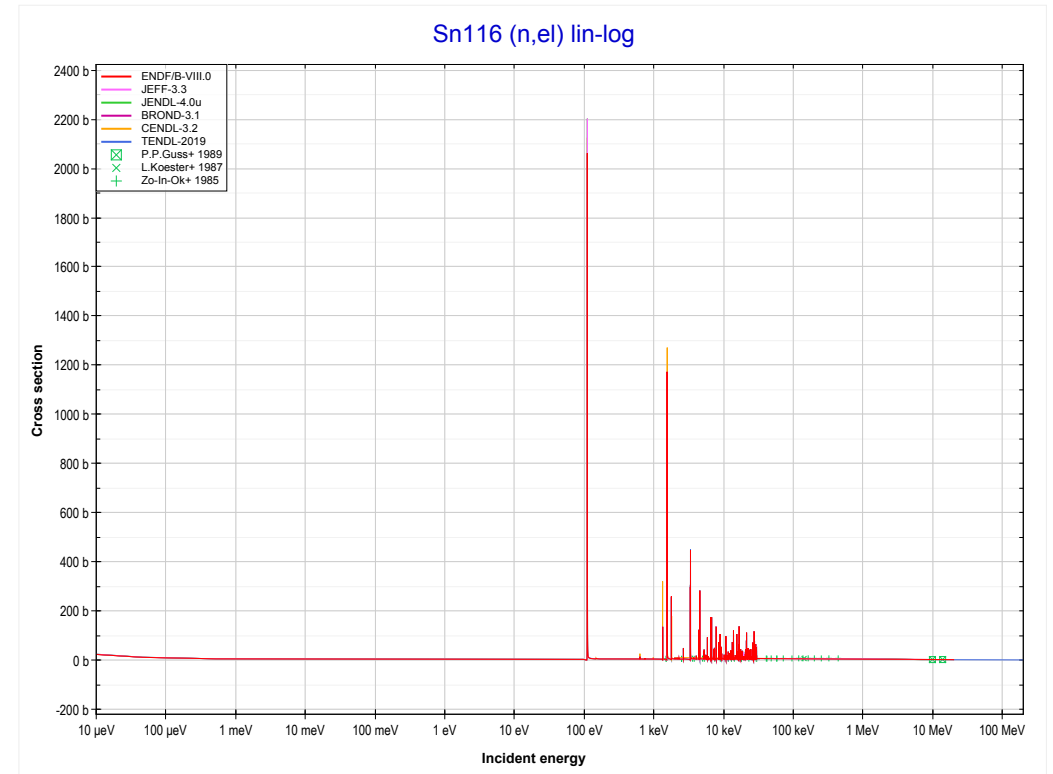
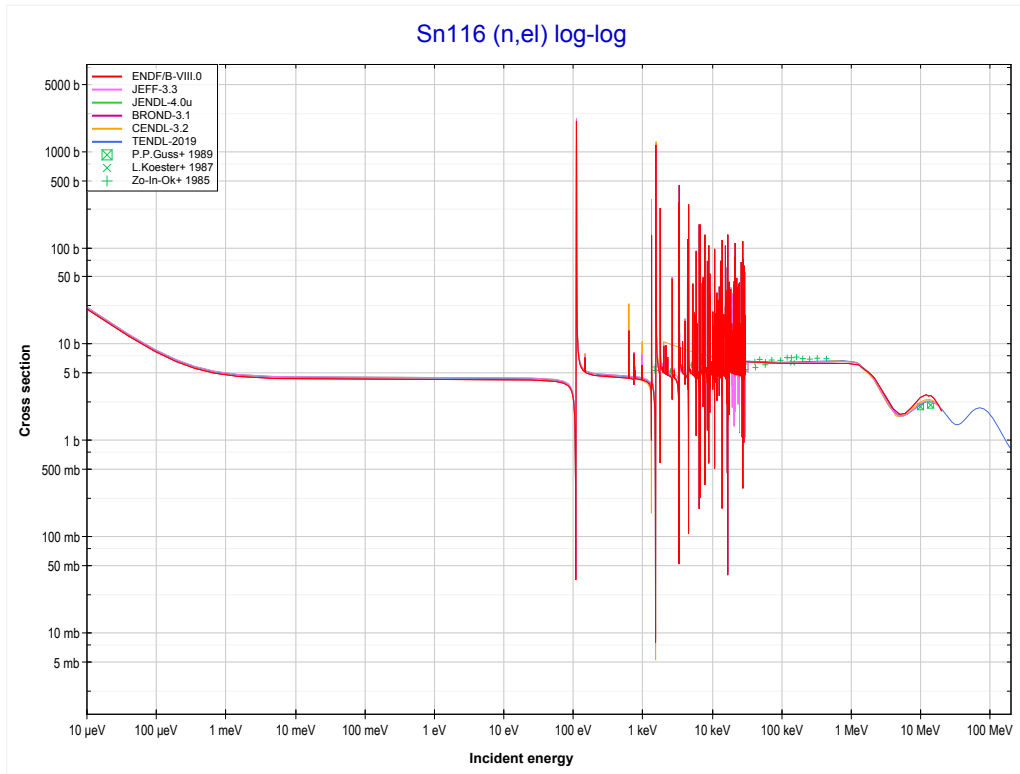
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.21894E-5 b | 0.0249117 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10577E-4 b | 0.0321049 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.10577E-4 b | 0.0321049 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.21894E-5 b | 0.0249117 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.83954E-5 b | 0.021576 b |
| TENDL-2019 | 1.0044E-20 b | 1.0044E-20 b | 1.1334E-20 b | 1.12842 | 1.22064E-19 b | 1.55961E-4 b | 0.0399285 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 50-Sn-115 | 50-Sn-116 | 50-Sn-117 >> |
| << 50-Sn-115 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



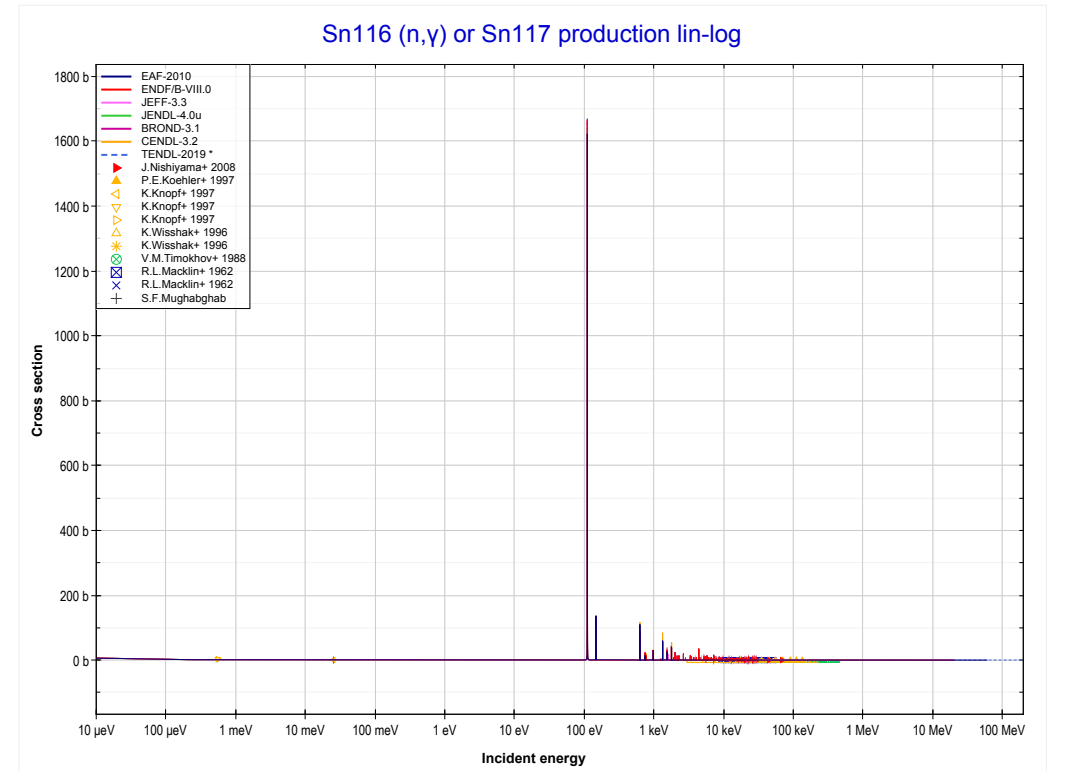
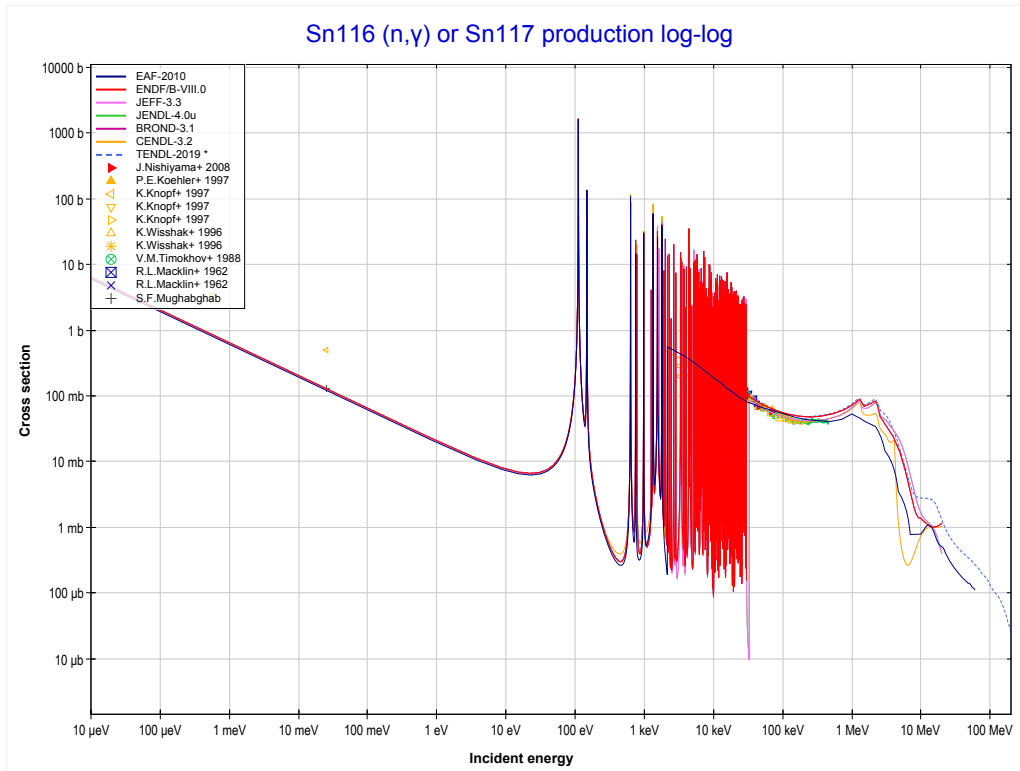
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.44736 b | 4.44736 b | 5.0019 b | 1.12469 | 89.4039 b | 5.53769 b | 4.63939 b |
| JEFF-3.3 | 4.64647 b | 4.64647 b | 5.2269 b | 1.12492 | 91.4846 b | 5.68243 b | 4.58469 b |
| JENDL-4.0u | 4.64647 b | 4.64647 b | 5.2269 b | 1.12492 | 91.4846 b | 5.68243 b | 4.58469 b |
| BROND-3.1 | 4.44736 b | 4.44736 b | 5.0019 b | 1.12469 | 89.4039 b | 5.53769 b | 4.63939 b |
| CENDL-3.2 | 4.45808 b | 4.45808 b | 5.0143 b | 1.12476 | 95.6282 b | 5.66122 b | 4.6032 b |
| TENDL-2019 | 4.59065 b | 4.59065 b | 5.1637 b | 1.12483 | 91.1747 b | 5.7358 b | 4.54249 b |

| | | |
|------------------|------------------------|-------------------------|
| << 50-Sn-114 | 50-Sn-116 | 50-Sn-117 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



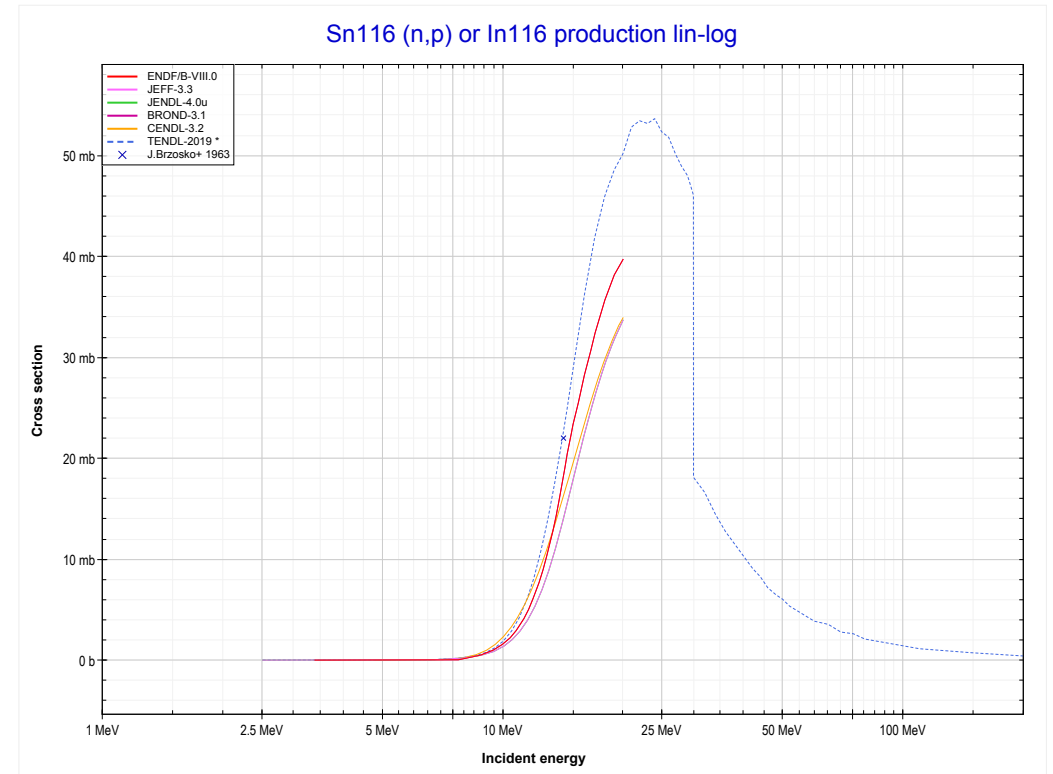
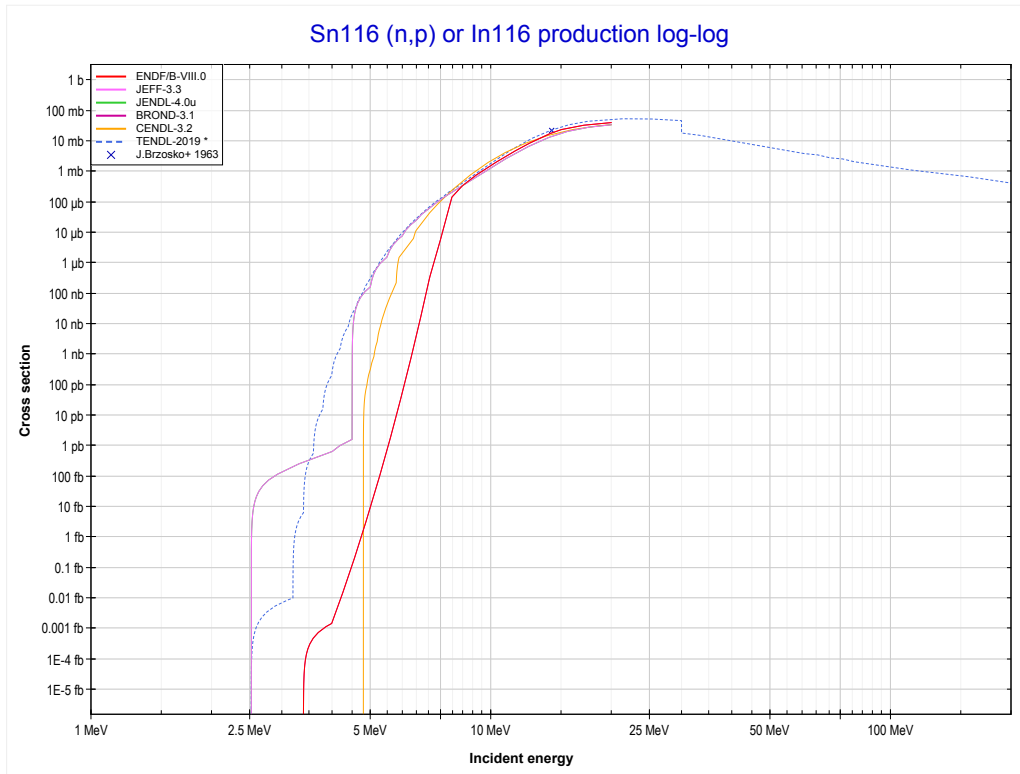
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.31966 b | 4.31966 b | 4.8741 b | 1.12836 | 77.2917 b | 4.80379 b | 2.92097 b |
| JEFF-3.3 | 4.52133 b | 4.52133 b | 5.1017 b | 1.12836 | 79.5104 b | 4.83006 b | 2.55911 b |
| JENDL-4.0u | 4.52133 b | 4.52133 b | 5.1017 b | 1.12836 | 79.5104 b | 4.83006 b | 2.55911 b |
| BROND-3.1 | 4.31966 b | 4.31966 b | 4.8741 b | 1.12836 | 77.2917 b | 4.80379 b | 2.92097 b |
| CENDL-3.2 | 4.33037 b | 4.33037 b | 4.8865 b | 1.12843 | 83.4536 b | 4.7968 b | 2.6441 b |
| TENDL-2019 | 4.46183 b | 4.46183 b | 5.0349 b | 1.12843 | 78.9686 b | 4.93848 b | 2.54083 b |

| | | |
|--------------------|--|----------------|
| << 50-Sn-115 | 50-Sn-116 | 50-Sn-117 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sn117 production) | MT103 (n,p) >> |



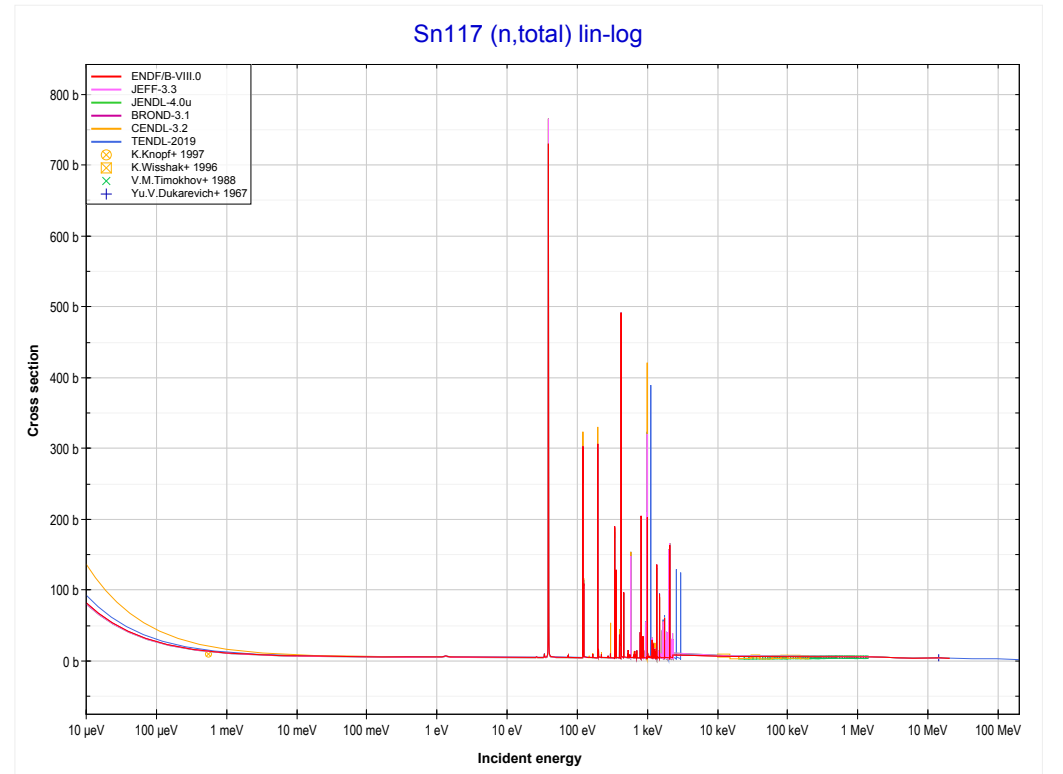
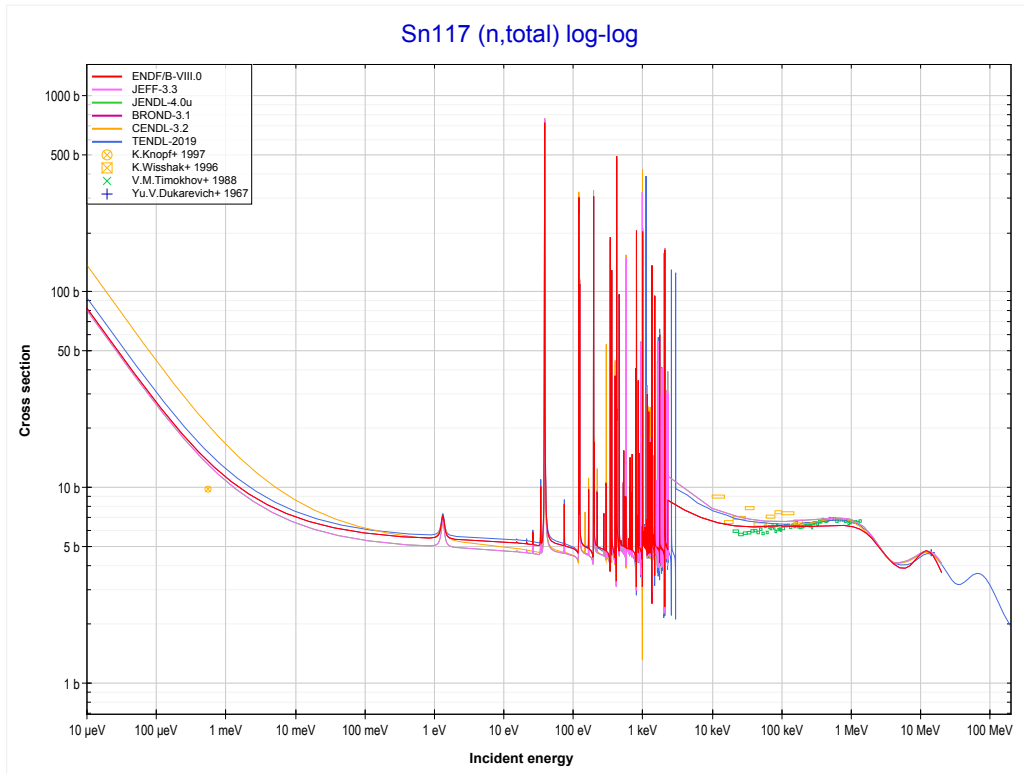
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.120508 b | 0.120418 b | 0.12043 b | 1.00006 | 11.9561 b | 0.033657 b | 0.00103 b |
| ENDF/B-VIII.0 | 0.127699 b | 0.127699 b | 0.12778 b | 1.00061 | 12.1122 b | 0.0559554 b | 0.00101422 b |
| JEFF-3.3 | 0.125141 b | 0.125141 b | 0.12522 b | 1.00061 | 11.9743 b | 0.0534219 b | 0.00108456 b |
| JENDL-4.0u | 0.125141 b | 0.125141 b | 0.12522 b | 1.00061 | 11.9743 b | 0.0534219 b | 0.00108456 b |
| BROND-3.1 | 0.127699 b | 0.127699 b | 0.12778 b | 1.00061 | 12.1122 b | 0.0559554 b | 0.00101422 b |
| CENDL-3.2 | 0.127705 b | 0.127705 b | 0.12774 b | 1.00026 | 12.1664 b | 0.0434237 b | 0.0010202 b |
| TENDL-2019 | 0.128821 b | 0.128821 b | 0.12886 b | 1.00026 | 12.1972 b | 0.0605363 b | 0.00267499 b |

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|-------------------------|--|----------------------------|
| << 50-Sn-115 | 50-Sn-116 | 50-Sn-117 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In116 production) | 50-Sn-117 MT1 (n,total) >> |



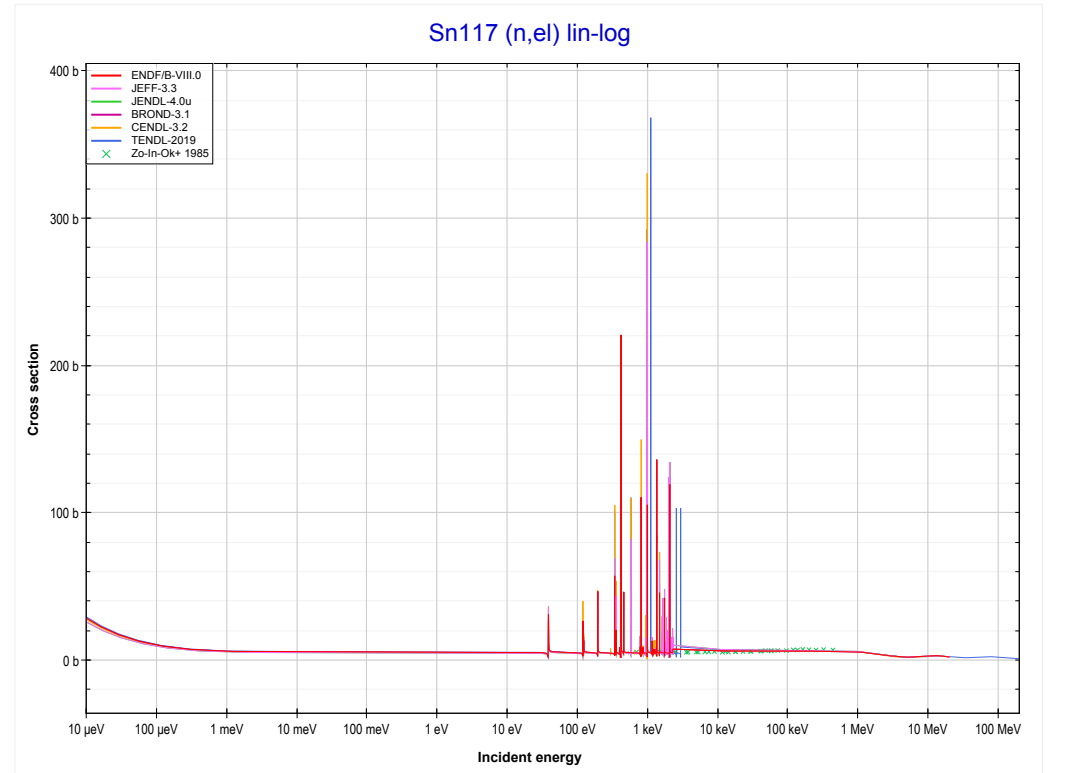
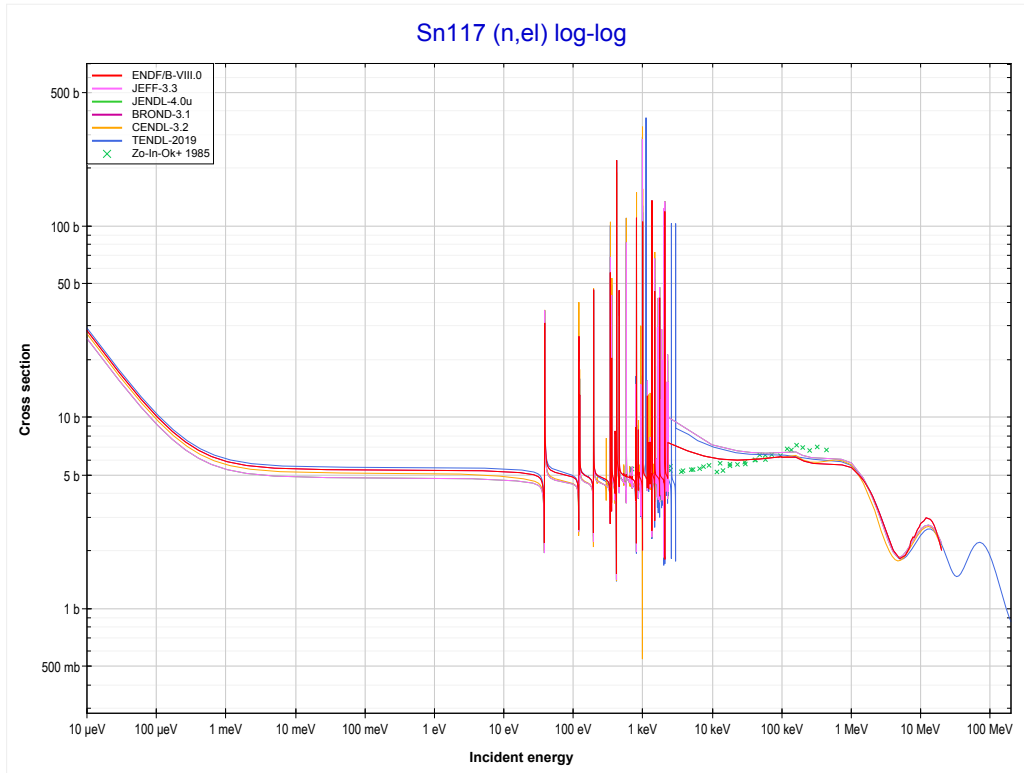
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.43959E-5 b | 0.0169432 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32764E-5 b | 0.013091 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.32764E-5 b | 0.013091 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.43959E-5 b | 0.0169432 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.7961E-5 b | 0.015453 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93493E-5 b | 0.0211734 b |

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|--------------------------|----------------------|--------------------|
| << 50-Sn-116 | 50-Sn-117 | 50-Sn-118 >> |
| << 50-Sn-116 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



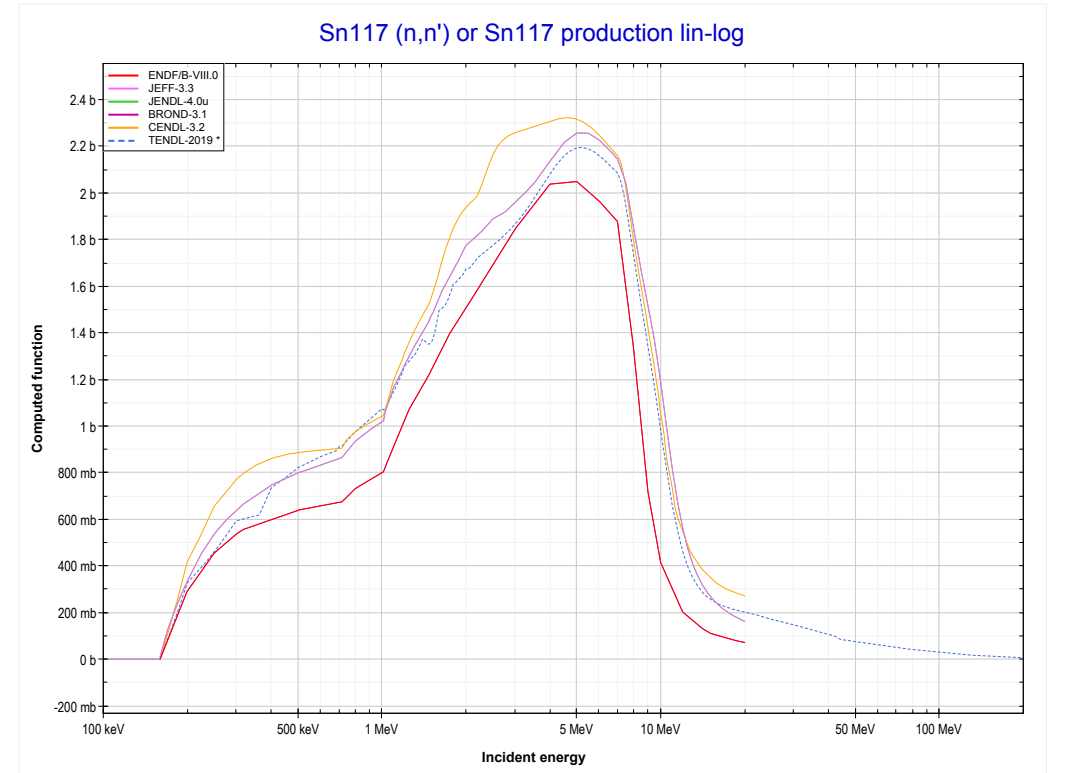
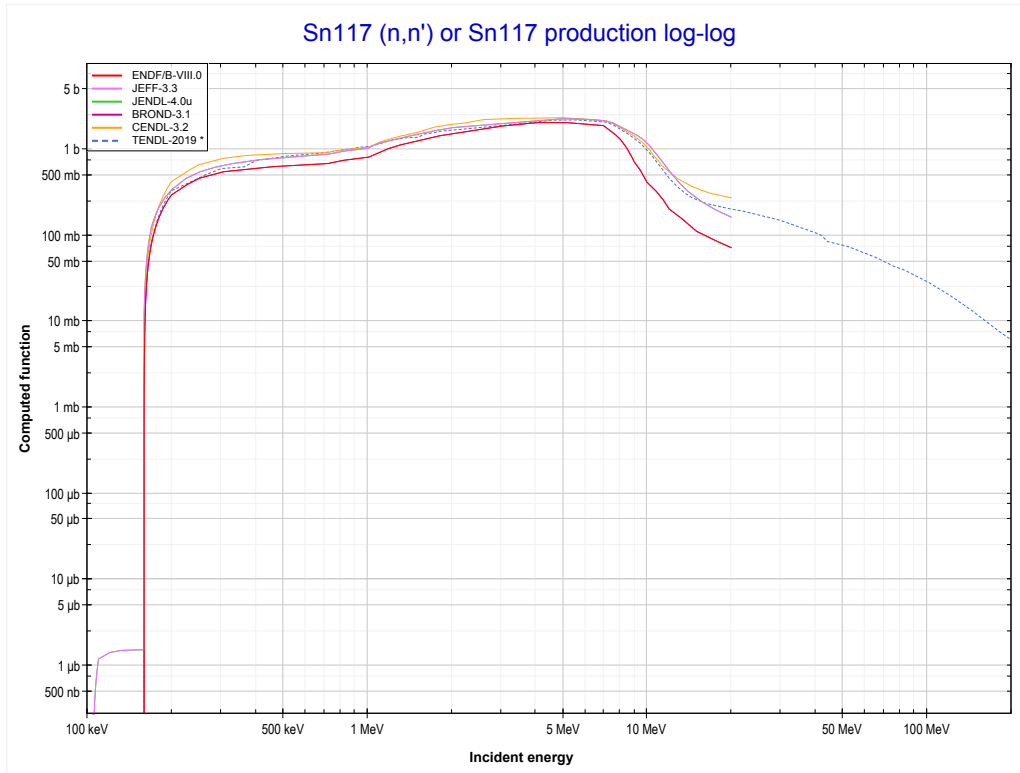
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.3992 b | 6.3992 b | 7.0837 b | 1.10697 | 86.326 b | 5.5341 b | 4.6391 b |
| JEFF-3.3 | 5.92311 b | 5.92311 b | 6.5447 b | 1.10494 | 88.6678 b | 5.83621 b | 4.70014 b |
| JENDL-4.0u | 5.92311 b | 5.92311 b | 6.5447 b | 1.10494 | 88.6678 b | 5.83621 b | 4.70014 b |
| BROND-3.1 | 6.3992 b | 6.3992 b | 7.0837 b | 1.10697 | 86.326 b | 5.5341 b | 4.6391 b |
| CENDL-3.2 | 7.29918 b | 7.29918 b | 7.9564 b | 1.09004 | 86.3353 b | 5.7314 b | 4.6241 b |
| TENDL-2019 | 6.76127 b | 6.76127 b | 7.4673 b | 1.10442 | 91.8671 b | 5.74514 b | 4.57904 b |

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|------------------|------------------------|---------------|
| << 50-Sn-116 | 50-Sn-117 | 50-Sn-118 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



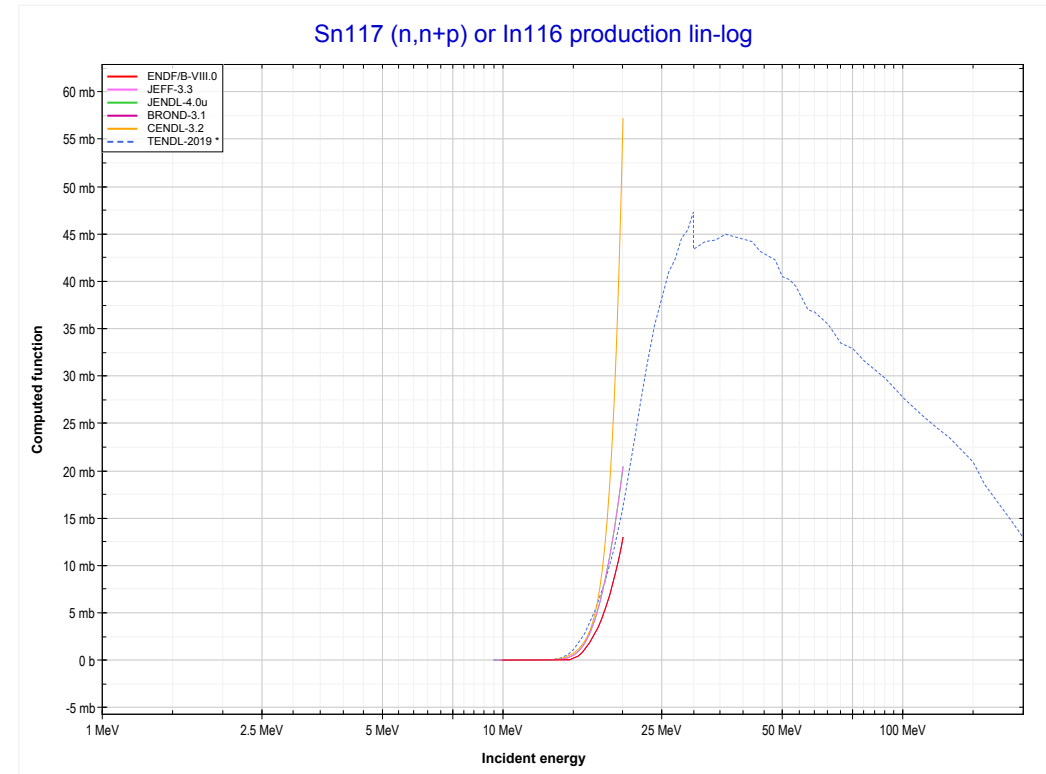
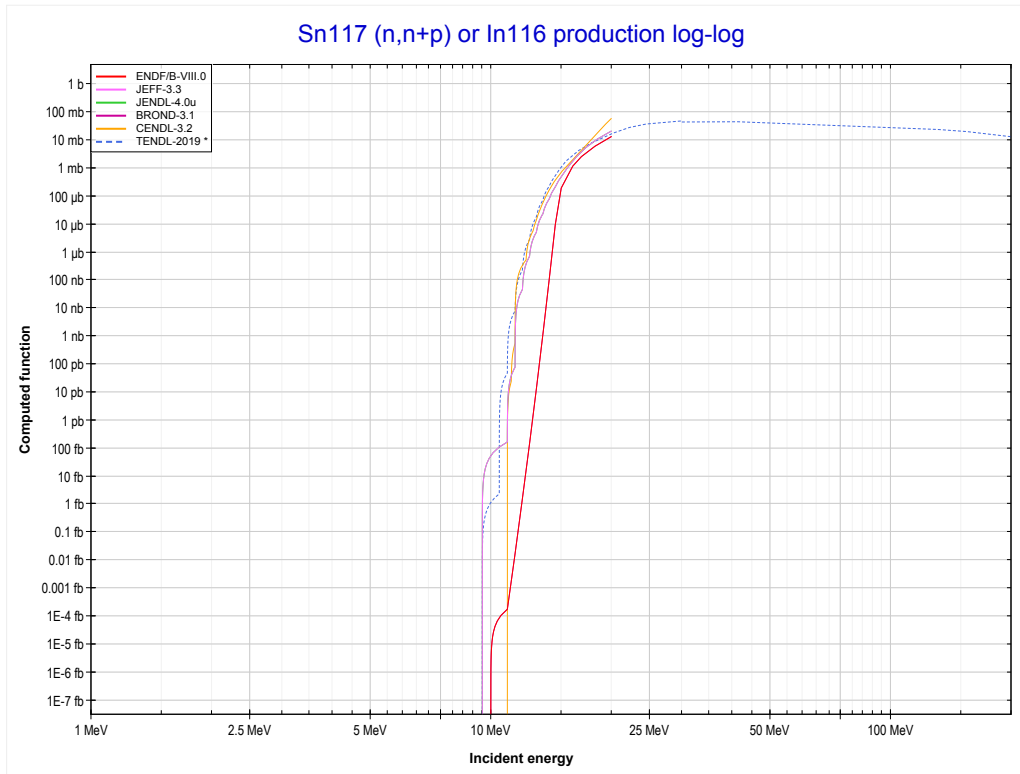
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.32841 b | 5.32841 b | 6.0121 b | 1.12832 | 68.9932 b | 4.22673 b | 2.92475 b |
| JEFF-3.3 | 4.84294 b | 4.84294 b | 5.4642 b | 1.12828 | 71.0053 b | 4.34699 b | 2.71007 b |
| JENDL-4.0u | 4.84294 b | 4.84294 b | 5.4642 b | 1.12828 | 71.0053 b | 4.34699 b | 2.71007 b |
| BROND-3.1 | 5.32841 b | 5.32841 b | 6.0121 b | 1.12832 | 68.9932 b | 4.22673 b | 2.92475 b |
| CENDL-3.2 | 5.12603 b | 5.12603 b | 5.7837 b | 1.1283 | 68.4673 b | 4.12894 b | 2.6636 b |
| TENDL-2019 | 5.49421 b | 5.49421 b | 6.1996 b | 1.1284 | 74.176 b | 4.31475 b | 2.6079 b |

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|--------------------|---|-----------------|
| << 50-Sn-Nat | 50-Sn-117 | 52-Te-122 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Sn117 production) | MT28 (n,n+p) >> |



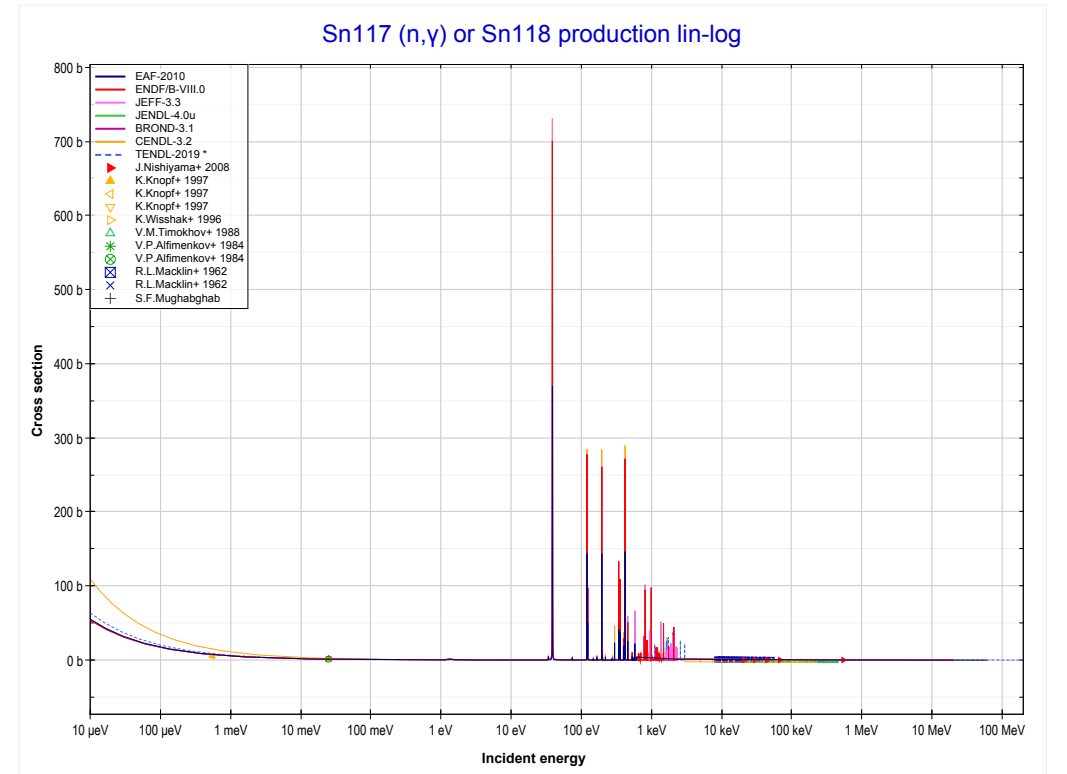
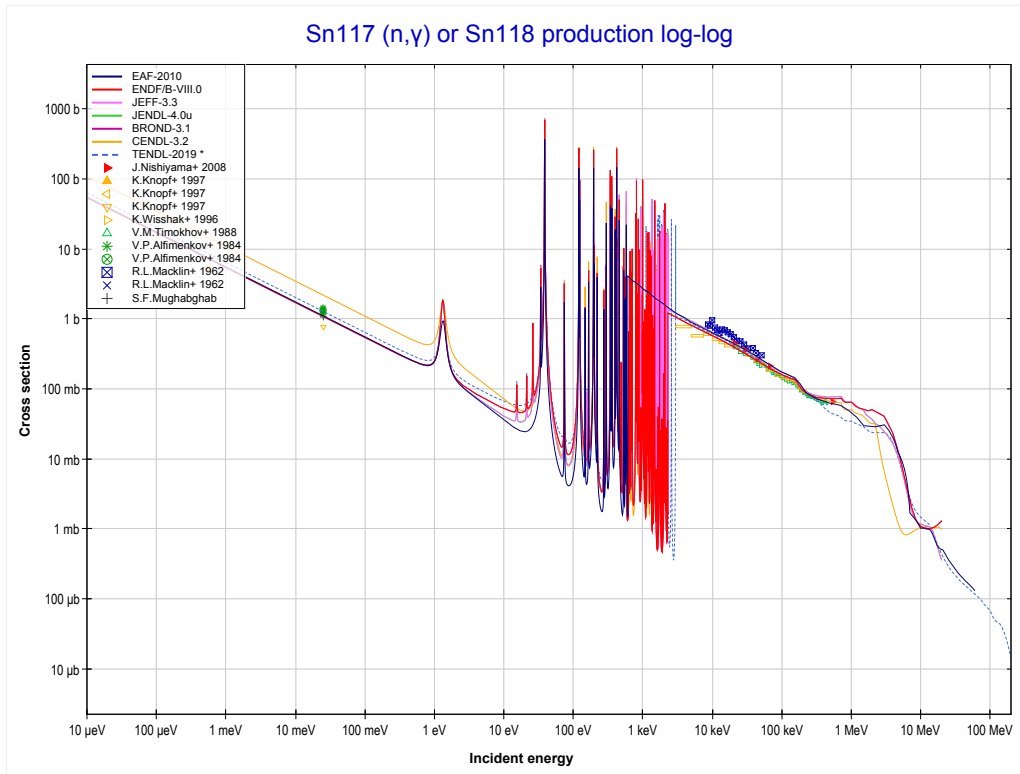
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24323 b | 0.133956 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.43263 b | 0.324943 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.43263 b | 0.324943 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24323 b | 0.133956 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5562 b | 0.38845 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3871 b | 0.291294 b |

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|---------------|---|-------------------------|
| << 50-Sn-112 | 50-Sn-117 | 50-Sn-118 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (In116 production) | MT102 (n, γ) >> |



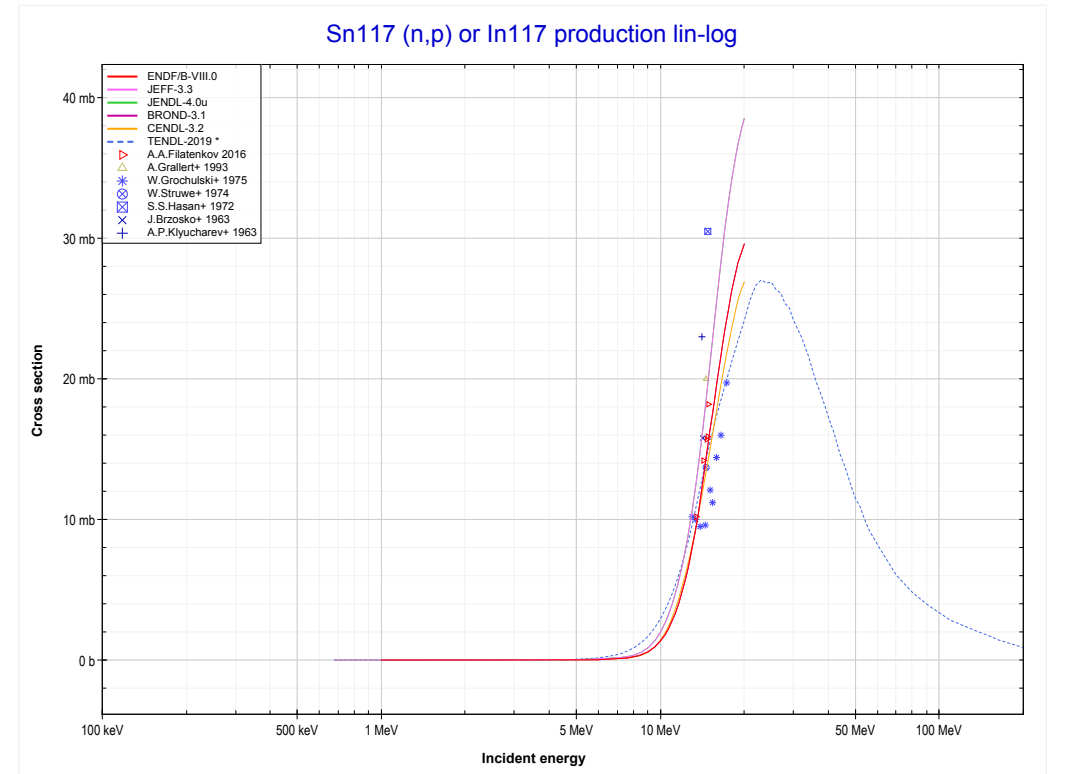
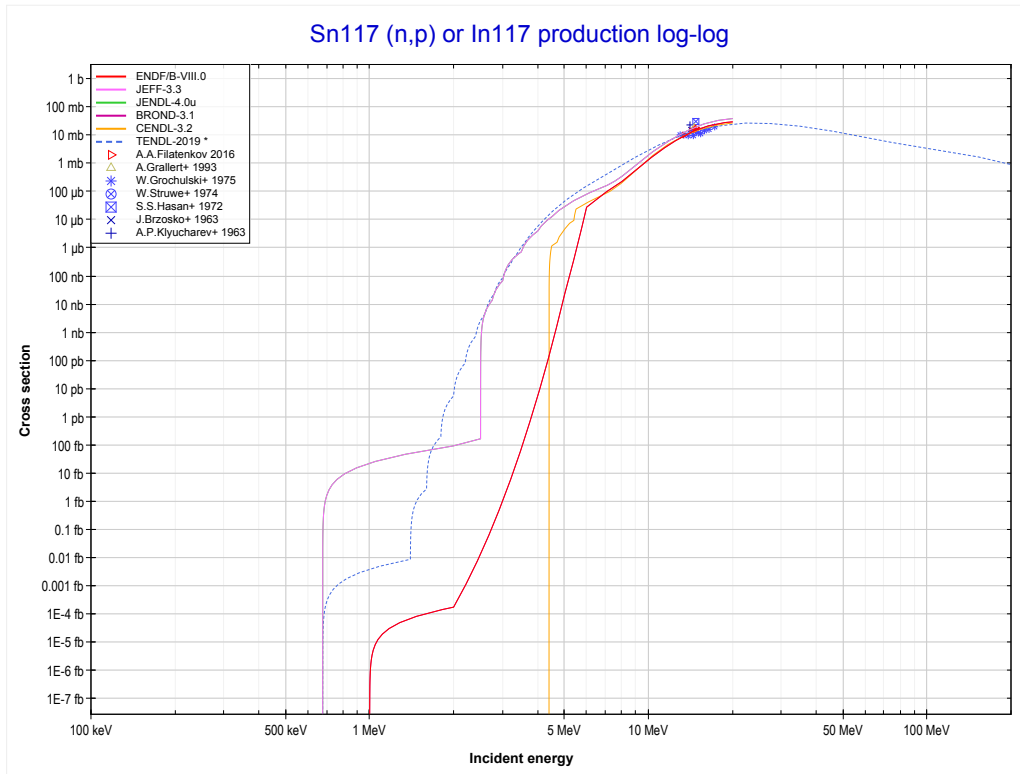
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10361E-7 b | 1.02594E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92543E-7 b | 7.6331E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.92543E-7 b | 7.6331E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10361E-7 b | 1.02594E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.91824E-7 b | 1.621E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.56986E-7 b | 2.2078E-4 b |

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|-----------------|--|----------------|
| << 50-Sn-116 | 50-Sn-117 | 50-Sn-118 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sn118 production) | MT103 (n,p) >> |



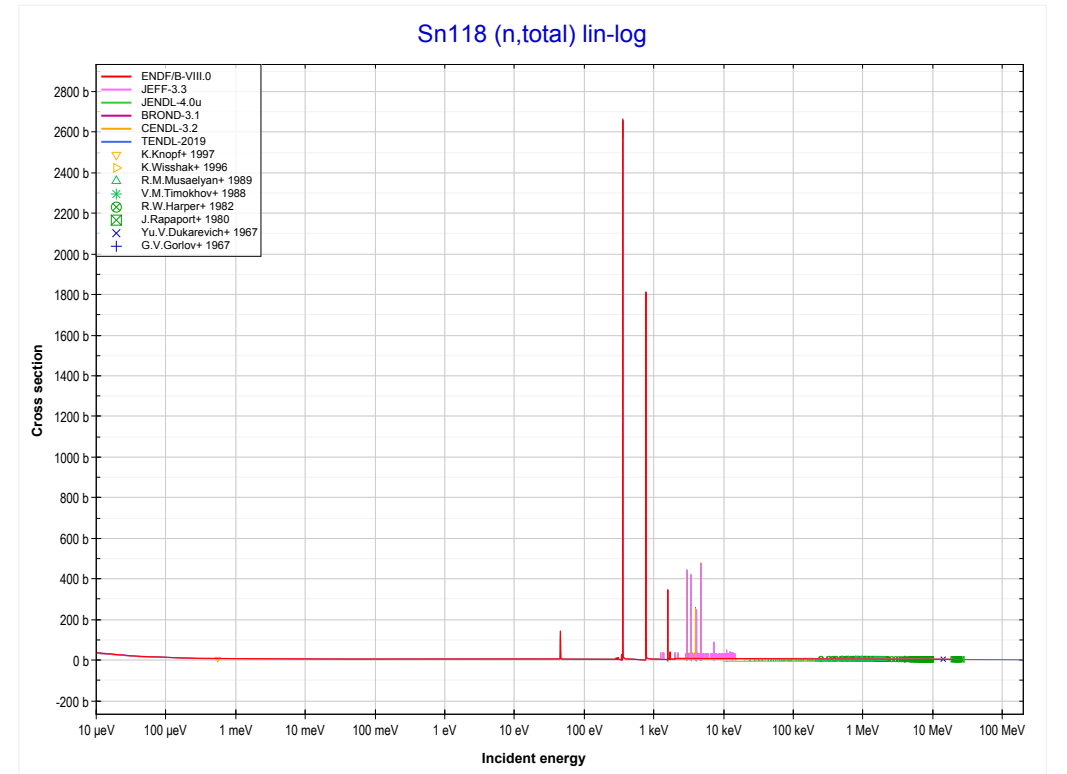
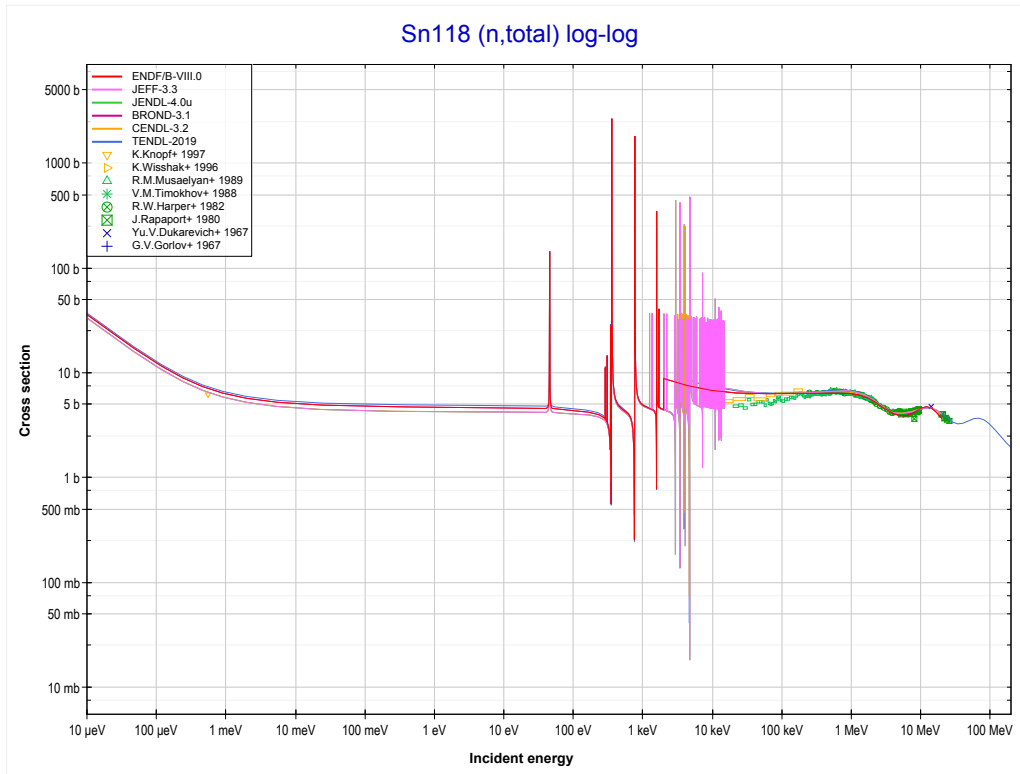
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.1 b | 1.09918 b | 1.0987 b | 0.99955 | 13.1494 b | 0.0436068 b | 9.47E-4 b |
| ENDF/B-VIII.0 | 1.07079 b | 1.07079 b | 1.0716 b | 1.00072 | 17.3328 b | 0.0545149 b | 0.00100266 b |
| JEFF-3.3 | 1.08017 b | 1.08017 b | 1.0805 b | 1.00027 | 17.6625 b | 0.0507506 b | 0.001018 b |
| JENDL-4.0u | 1.08017 b | 1.08017 b | 1.0805 b | 1.00027 | 17.6625 b | 0.0507506 b | 0.001018 b |
| BROND-3.1 | 1.07079 b | 1.07079 b | 1.0716 b | 1.00072 | 17.3328 b | 0.0545149 b | 0.00100266 b |
| CENDL-3.2 | 2.17315 b | 2.17315 b | 2.1727 b | 0.9998 | 17.8628 b | 0.0397455 b | 0.0010478 b |
| TENDL-2019 | 1.26706 b | 1.26706 b | 1.2676 b | 1.00044 | 17.6738 b | 0.0357418 b | 0.00106263 b |

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|-------------------------|--|----------------------------|
| << 50-Sn-116 | 50-Sn-117 | 50-Sn-118 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In117 production) | 50-Sn-118 MT1 (n,total) >> |



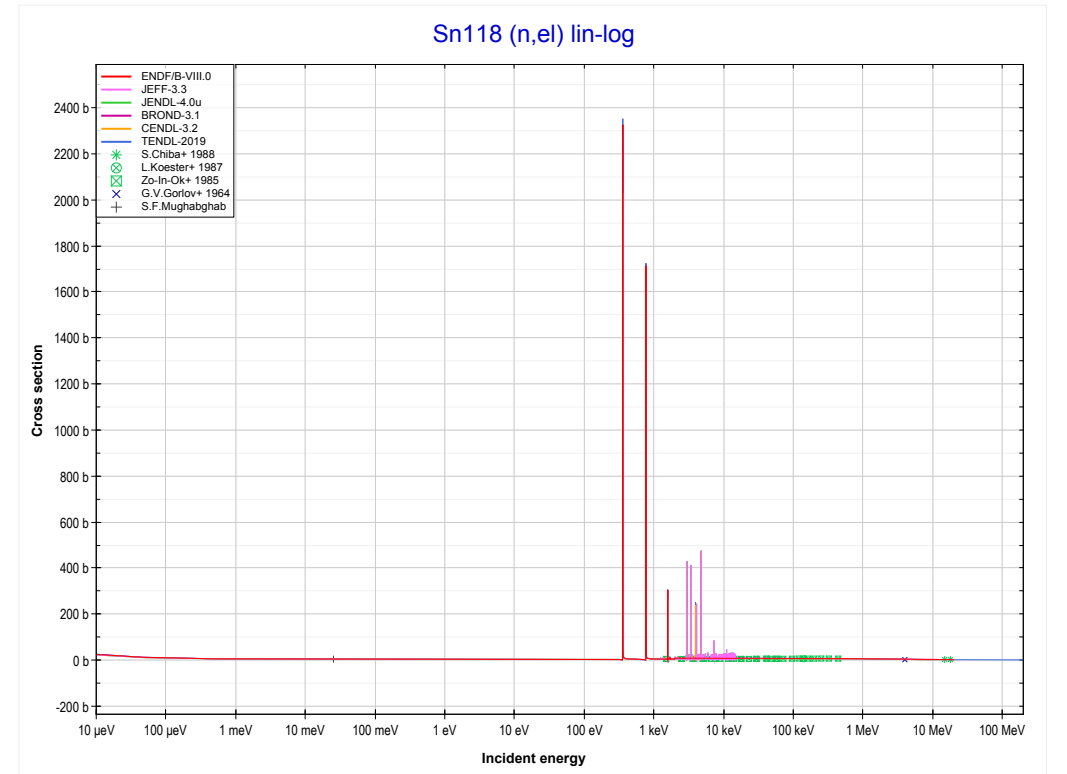
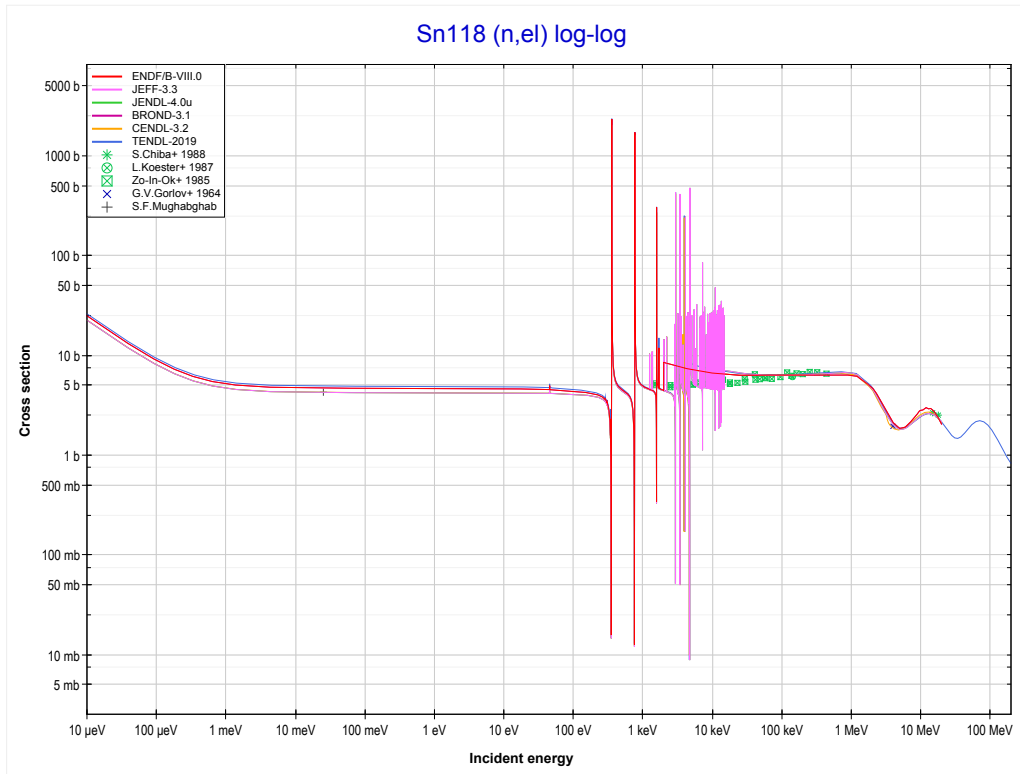
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33706E-5 b | 0.0117965 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.17348E-5 b | 0.015341 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.17348E-5 b | 0.015341 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33706E-5 b | 0.0117965 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39219E-5 b | 0.011379 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.23272E-5 b | 0.0125498 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 50-Sn-117 | 50-Sn-118 | 50-Sn-119 >> |
| << 50-Sn-117 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



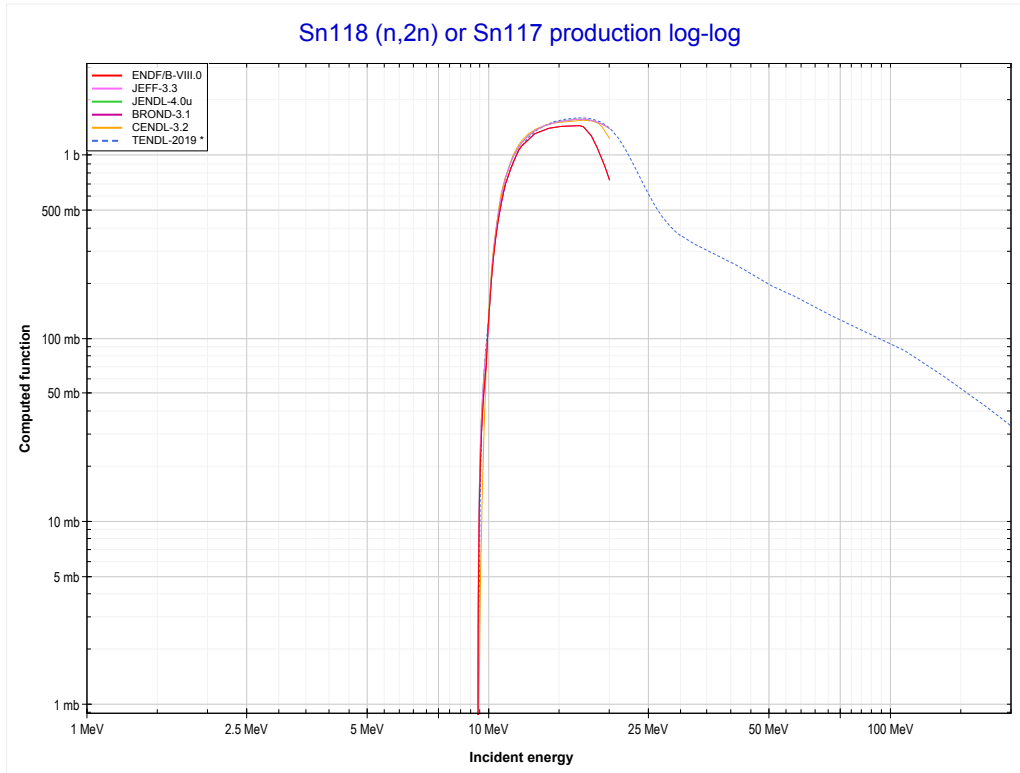
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.90364 b | 4.90364 b | 5.5049 b | 1.12261 | 82.3426 b | 5.53306 b | 4.63893 b |
| JEFF-3.3 | 4.4449 b | 4.4449 b | 4.9878 b | 1.12215 | 78.0579 b | 5.72258 b | 4.62987 b |
| JENDL-4.0u | 4.4449 b | 4.4449 b | 4.9878 b | 1.12215 | 78.0579 b | 5.72258 b | 4.62987 b |
| BROND-3.1 | 4.90364 b | 4.90364 b | 5.5049 b | 1.12261 | 82.3426 b | 5.53306 b | 4.63893 b |
| CENDL-3.2 | 4.45761 b | 4.45761 b | 5.0021 b | 1.12215 | 79.521 b | 5.64533 b | 4.6448 b |
| TENDL-2019 | 5.12427 b | 5.12427 b | 5.7541 b | 1.1229 | 83.6281 b | 5.76518 b | 4.60208 b |

| | | |
|------------------|------------------------|----------------|
| << 50-Sn-117 | 50-Sn-118 | 50-Sn-119 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



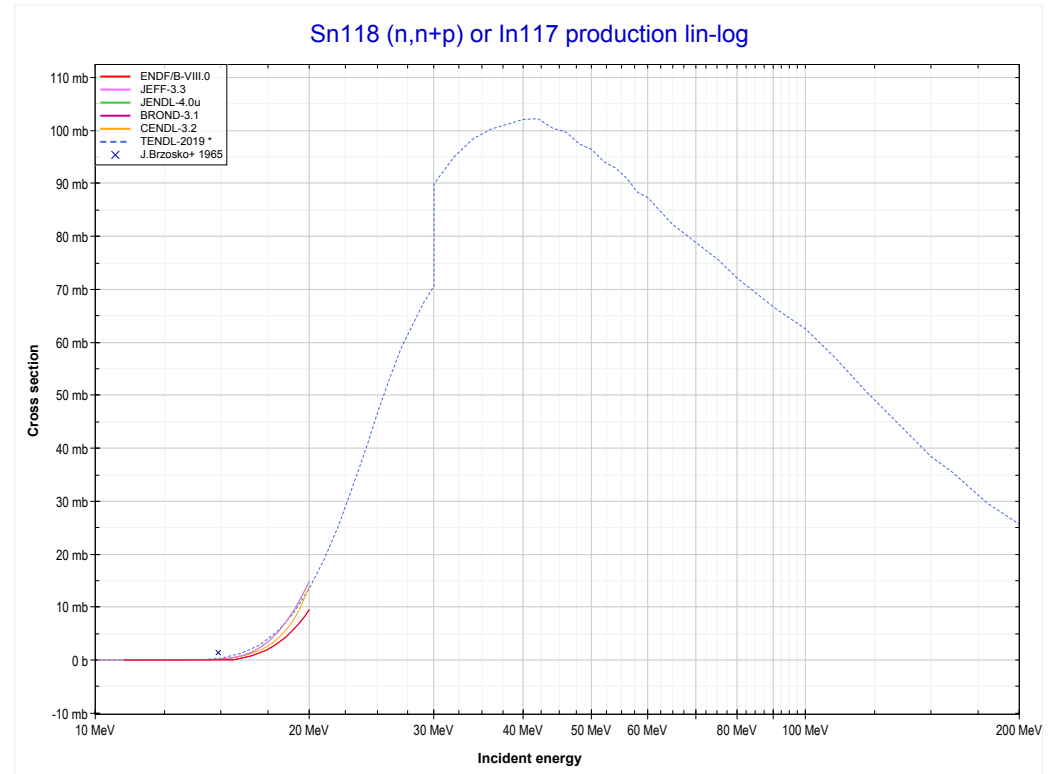
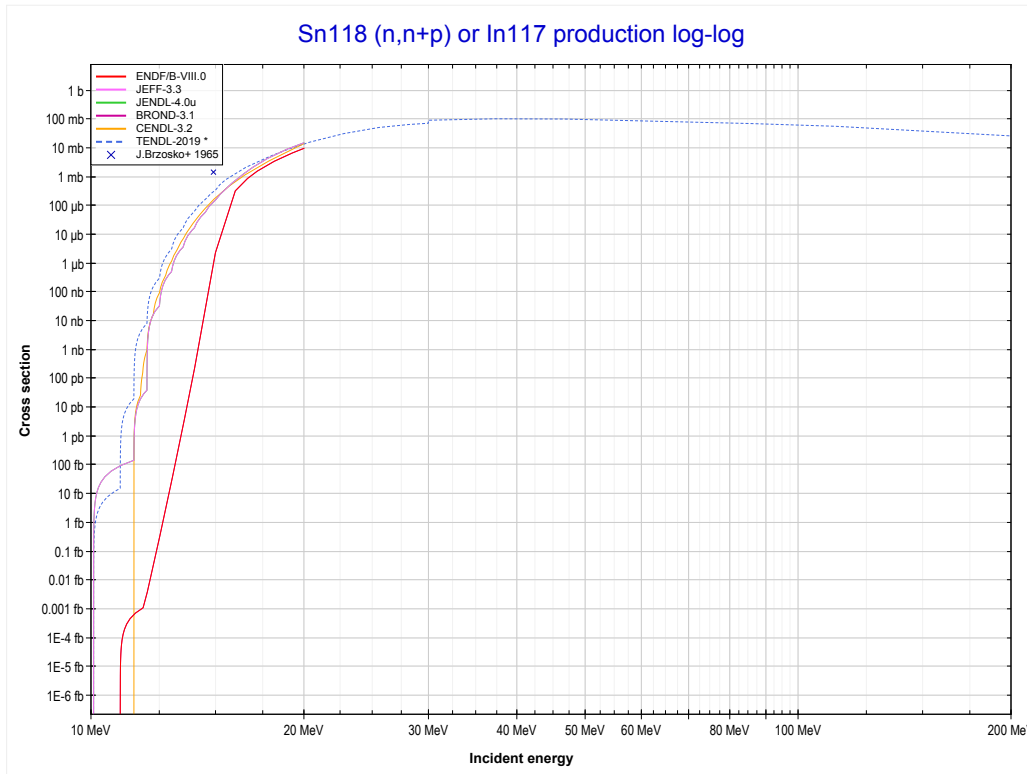
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.68381 b | 4.68381 b | 5.285 b | 1.12835 | 78.5058 b | 4.79951 b | 2.92815 b |
| JEFF-3.3 | 4.22935 b | 4.22935 b | 4.7722 b | 1.12836 | 72.9297 b | 4.84519 b | 2.60508 b |
| JENDL-4.0u | 4.22935 b | 4.22935 b | 4.7722 b | 1.12836 | 72.9297 b | 4.84519 b | 2.60508 b |
| BROND-3.1 | 4.68381 b | 4.68381 b | 5.285 b | 1.12835 | 78.5058 b | 4.79951 b | 2.92815 b |
| CENDL-3.2 | 4.23978 b | 4.23978 b | 4.7843 b | 1.12843 | 74.3021 b | 4.73977 b | 2.6828 b |
| TENDL-2019 | 4.90424 b | 4.90424 b | 5.534 b | 1.12842 | 80.0668 b | 4.97014 b | 2.59535 b |

| | | |
|--------------------|--|-----------------|
| << 50-Sn-114 | 50-Sn-118 | 50-Sn-120 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn117 production) | MT28 (n,n+p) >> |



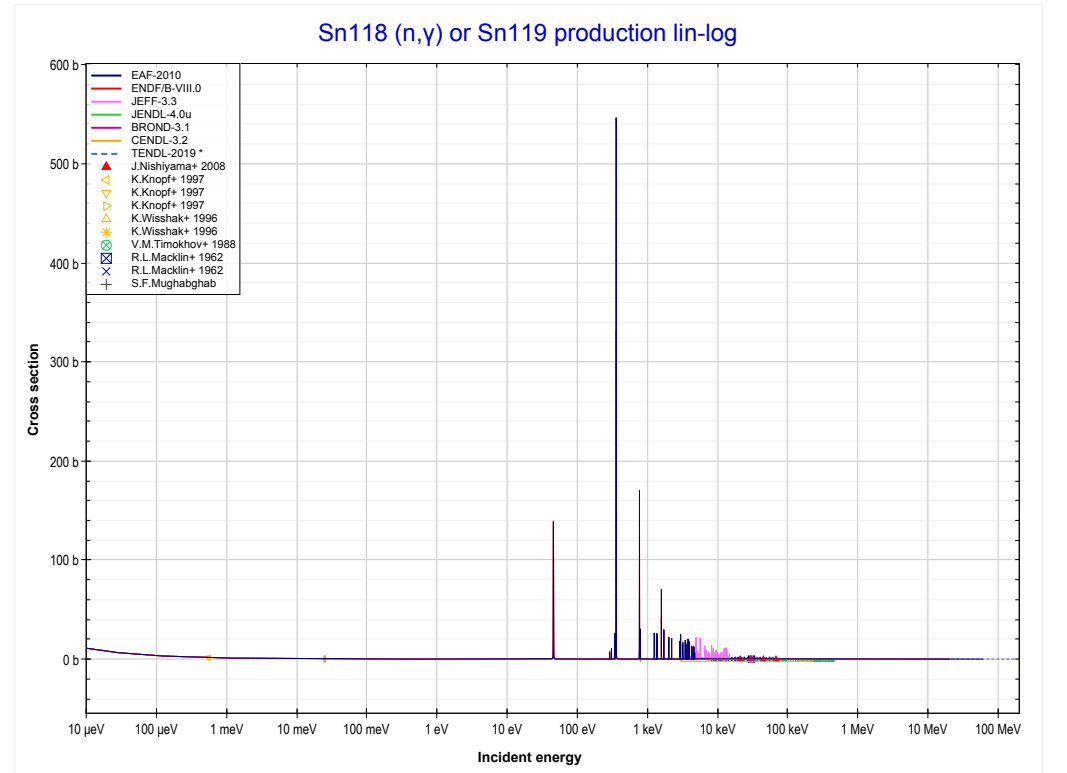
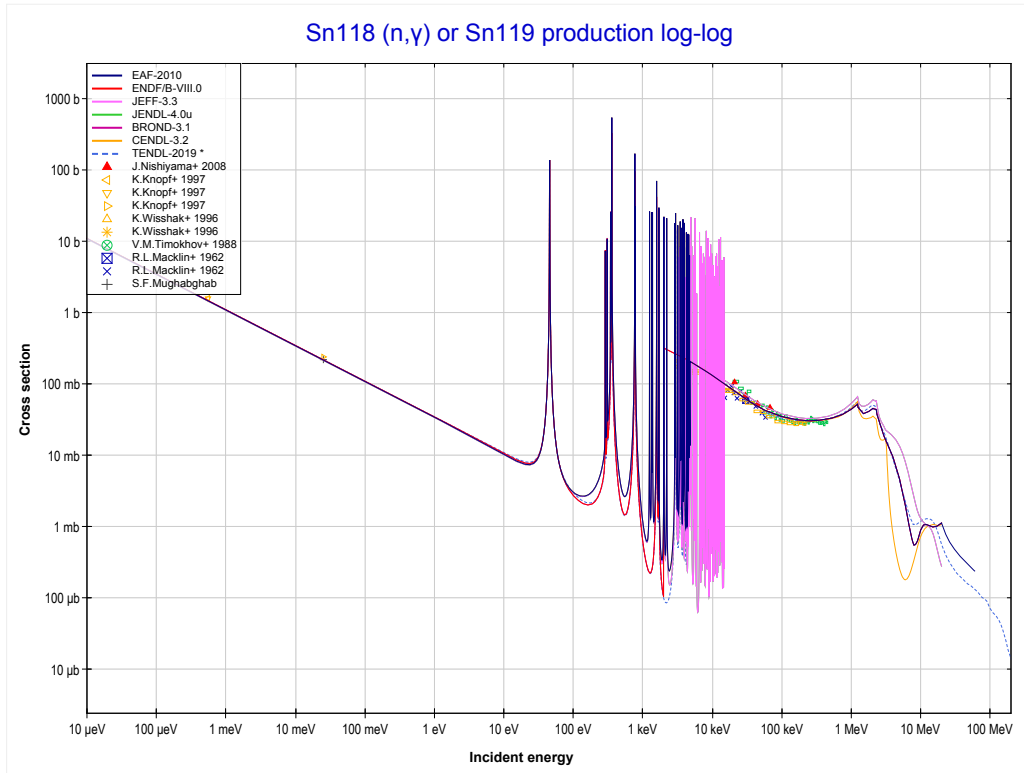
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147324 b | 1.39688 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00156853 b | 1.46848 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00156853 b | 1.46848 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147324 b | 1.39688 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00158174 b | 1.4685 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00150802 b | 1.47783 b |

| | | |
|----------------|---|-------------------------|
| << 50-Sn-117 | 50-Sn-118 | 50-Sn-120 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (In117 production) | MT102 (n, γ) >> |



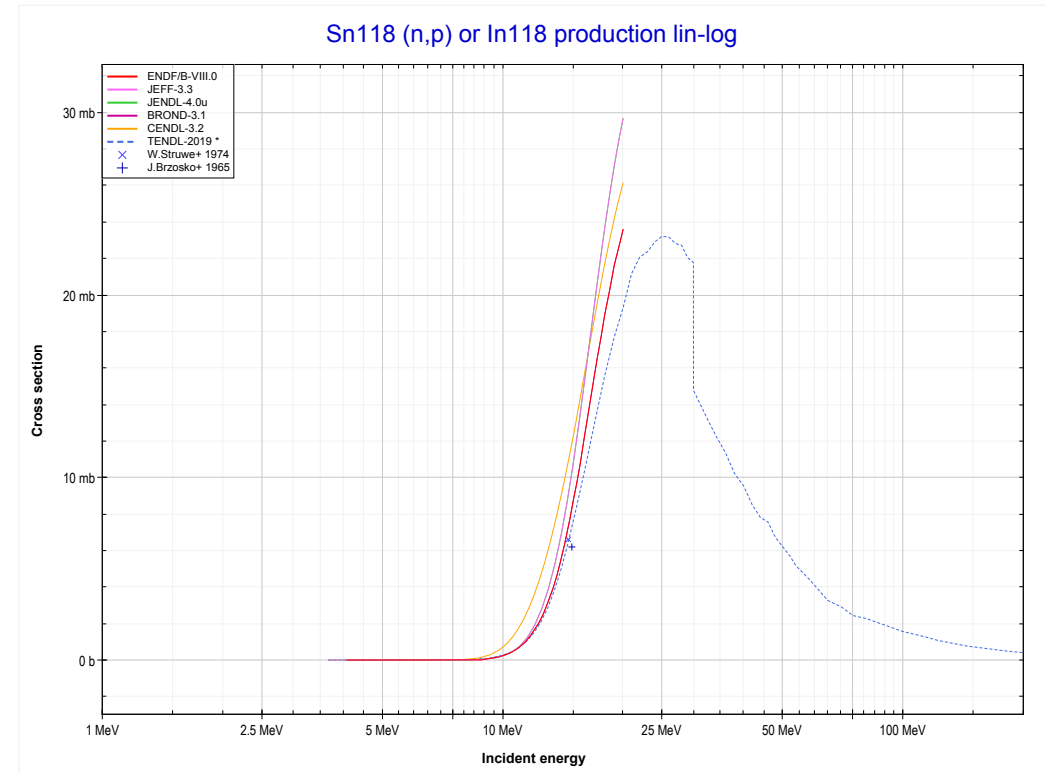
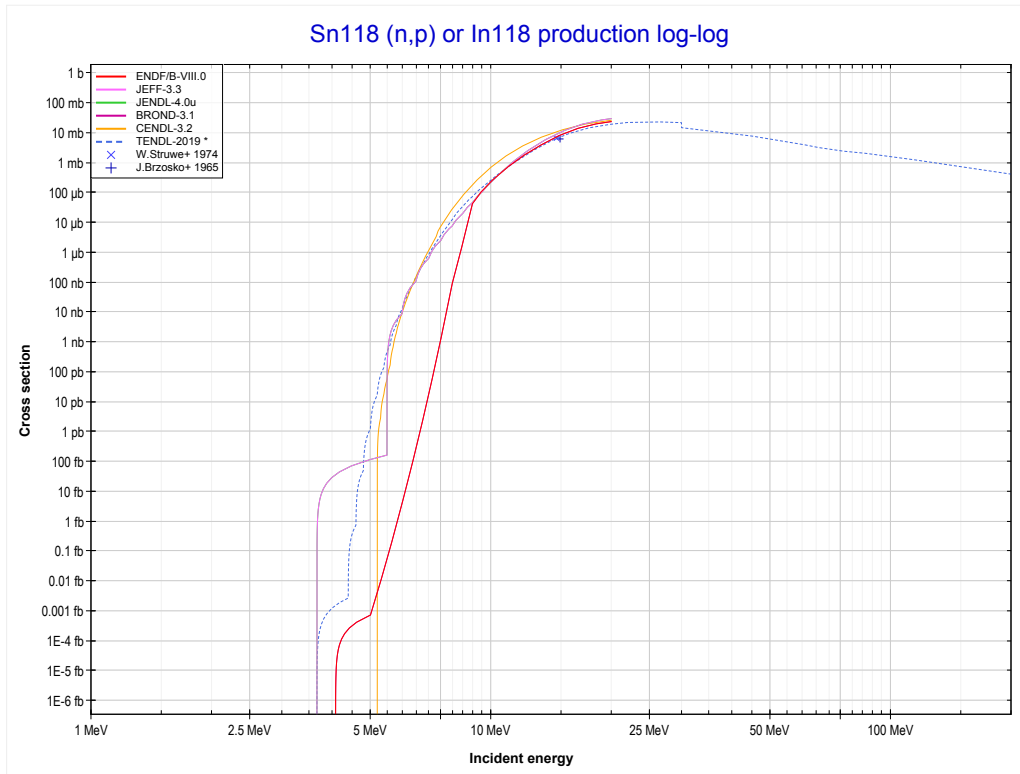
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.26249E-8 b | 1.98392E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02122E-7 b | 1.63412E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.02122E-7 b | 1.63412E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.26249E-8 b | 1.9839E-10 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.75646E-8 b | 2.6661E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32562E-7 b | 6.08869E-5 b |

| | | |
|-----------------|--|----------------|
| << 50-Sn-117 | 50-Sn-118 | 50-Sn-119 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sn119 production) | MT103 (n,p) >> |



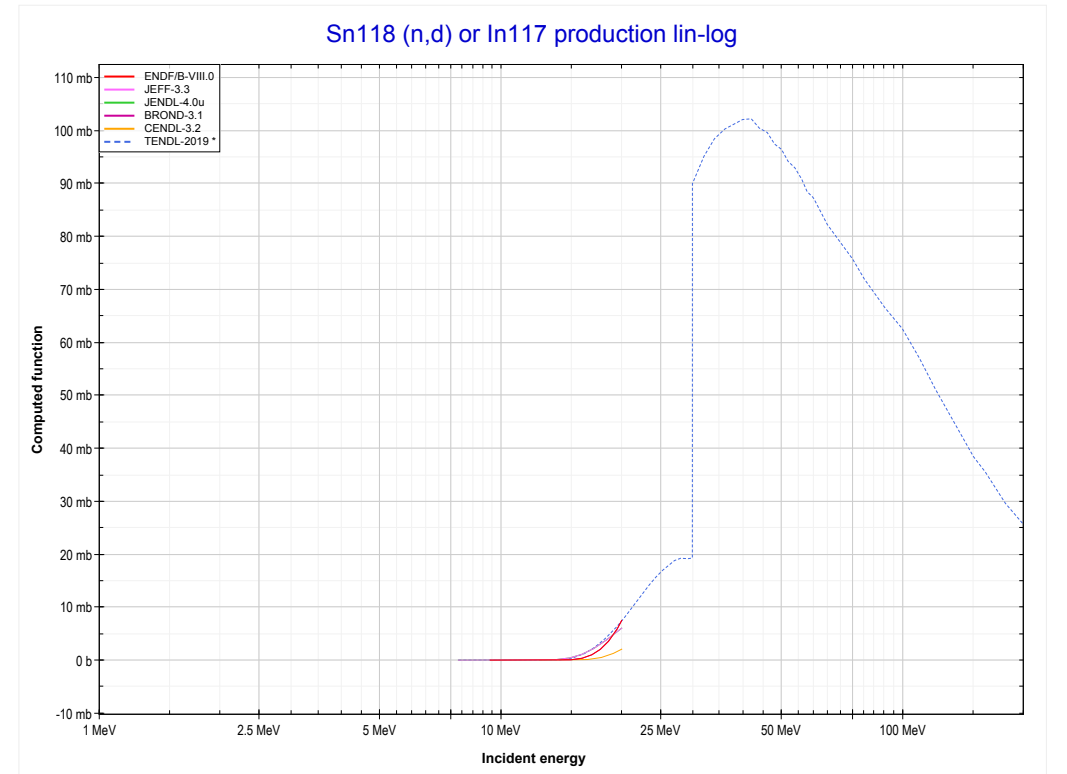
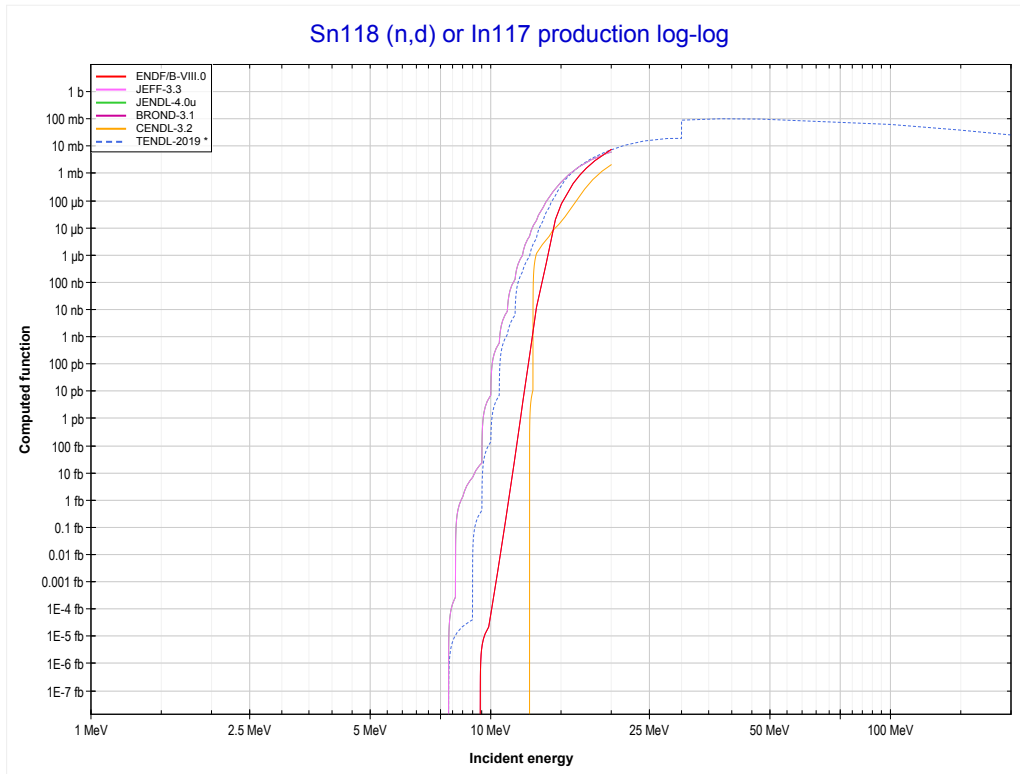
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.218073 b | 0.21791 b | 0.21782 b | 0.99958 | 5.21286 b | 0.0318576 b | 0.00100205 b |
| ENDF/B-VIII.0 | 0.219829 b | 0.219829 b | 0.2199 b | 1.00031 | 3.83682 b | 0.0318449 b | 0.00100205 b |
| JEFF-3.3 | 0.215545 b | 0.215545 b | 0.2156 b | 1.00027 | 5.12813 b | 0.0396532 b | 9.34932E-4 b |
| JENDL-4.0u | 0.215545 b | 0.215545 b | 0.2156 b | 1.00027 | 5.12813 b | 0.0396532 b | 9.34932E-4 b |
| BROND-3.1 | 0.219829 b | 0.219829 b | 0.2199 b | 1.00031 | 3.83682 b | 0.0318449 b | 0.00100205 b |
| CENDL-3.2 | 0.217835 b | 0.217835 b | 0.21782 b | 0.99992 | 5.21322 b | 0.0277823 b | 0.0010514 b |
| TENDL-2019 | 0.220022 b | 0.220022 b | 0.22002 b | 1 | 3.5593 b | 0.0334653 b | 0.00125926 b |

| | | |
|-------------------------|--|----------------|
| << 50-Sn-117 | 50-Sn-118 | 50-Sn-119 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In118 production) | MT104 (n,d) >> |



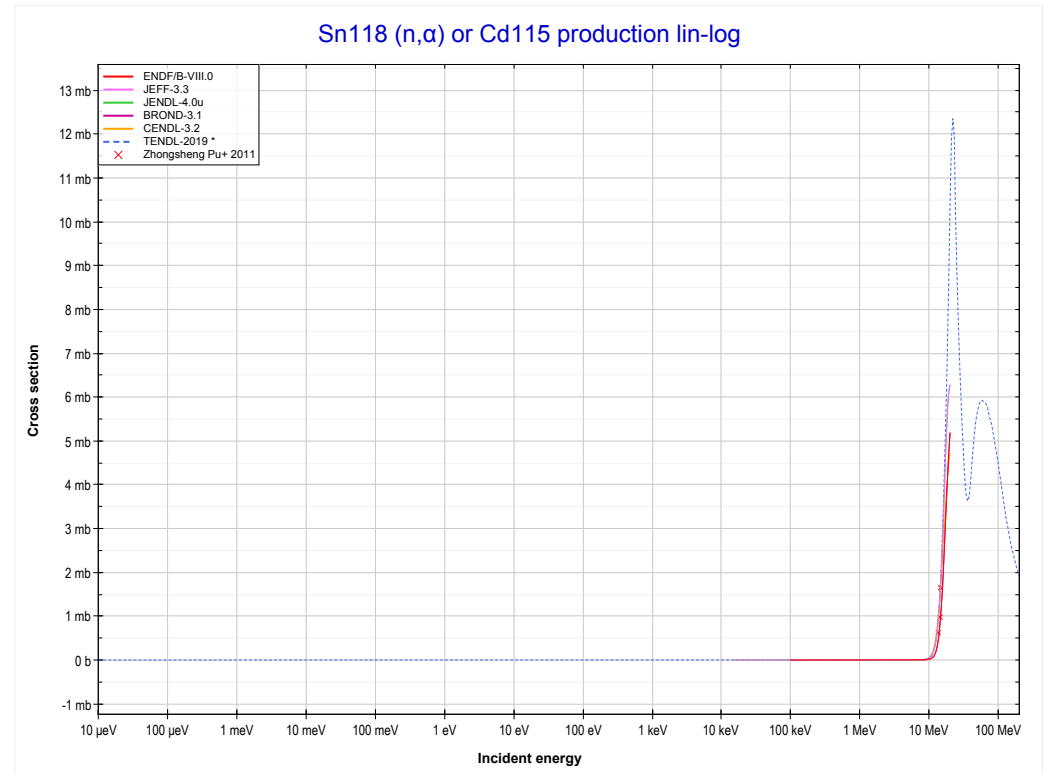
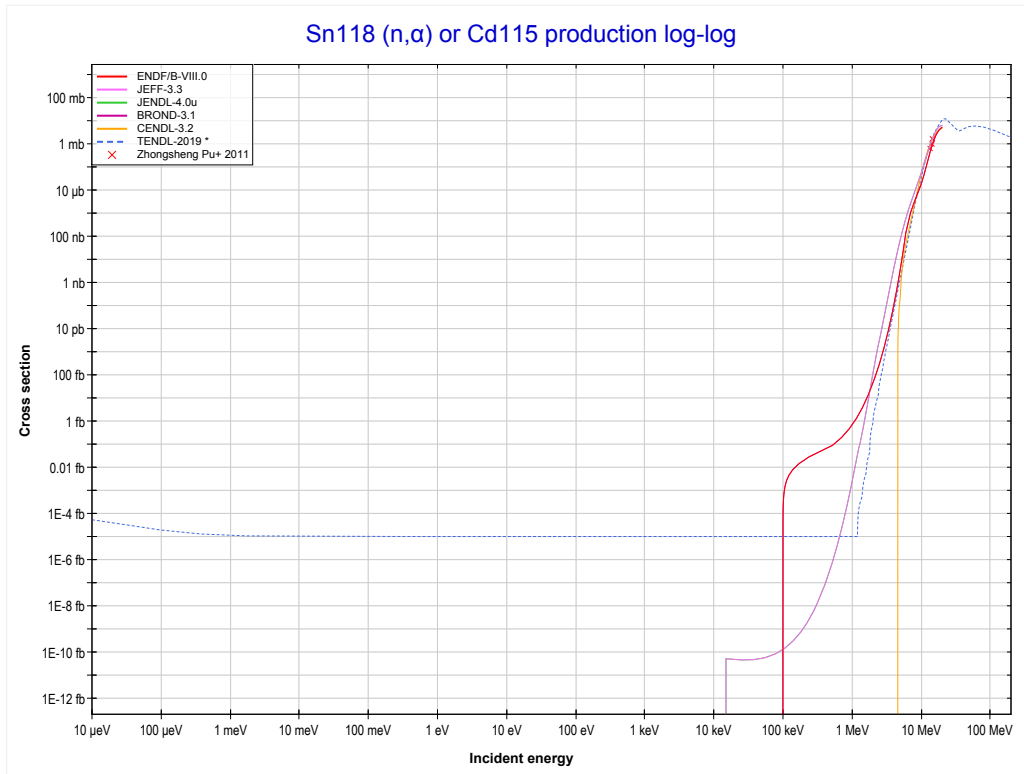
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.37805E-6 b | 0.00553086 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.02781E-6 b | 0.00681645 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.02781E-6 b | 0.00681645 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.37805E-6 b | 0.00553086 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.07026E-6 b | 0.0089698 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.36011E-6 b | 0.00496769 b |

| | | |
|----------------|--|-------------------------|
| << 50-Sn-112 | 50-Sn-118 | 50-Sn-120 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (In117 production) | MT107 (n, α) >> |



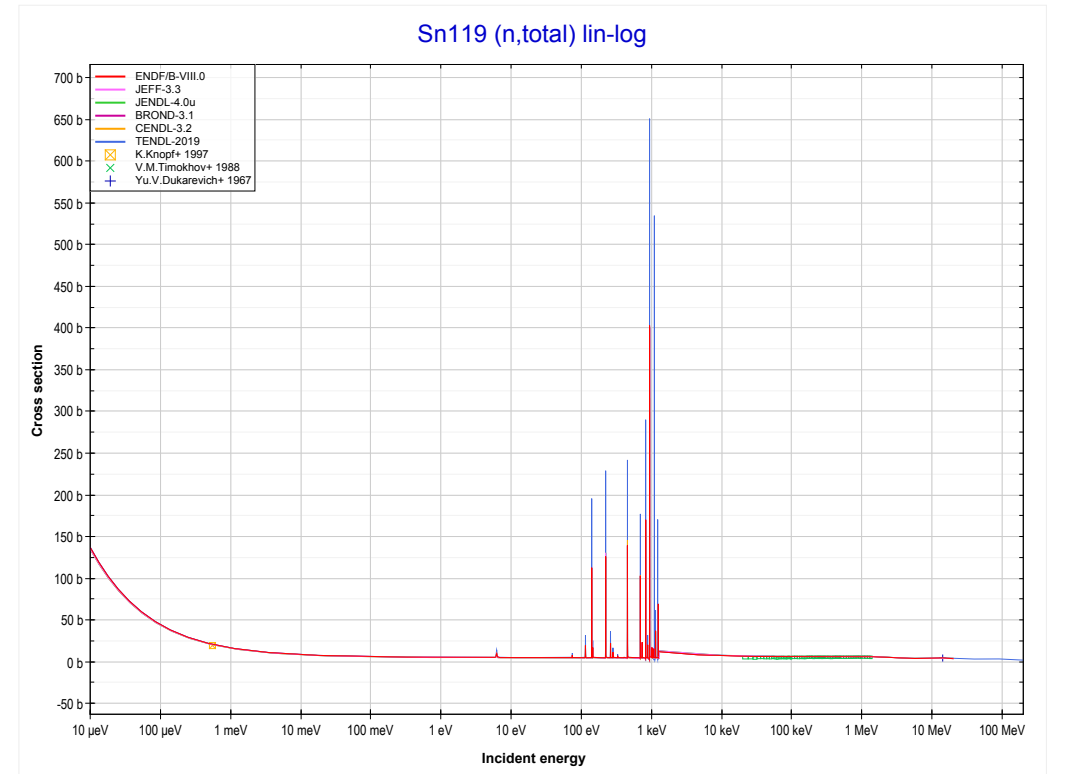
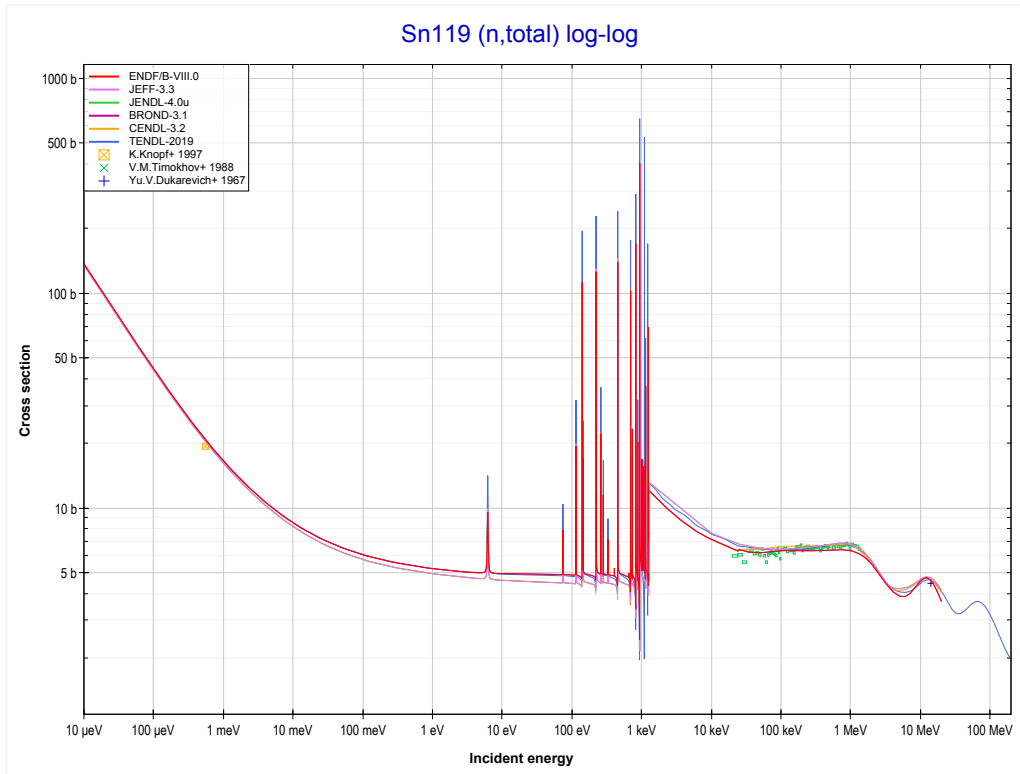
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.09076E-8 b | 1.63416E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12821E-7 b | 1.28711E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.12821E-7 b | 1.28711E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.09076E-8 b | 1.63416E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19021E-8 b | 4.8963E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02434E-7 b | 5.6088E-5 b |

| | | |
|----------------|--|----------------------------|
| << 50-Sn-114 | 50-Sn-118 | 50-Sn-120 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Cd115 production) | 50-Sn-119 MT1 (n,total) >> |



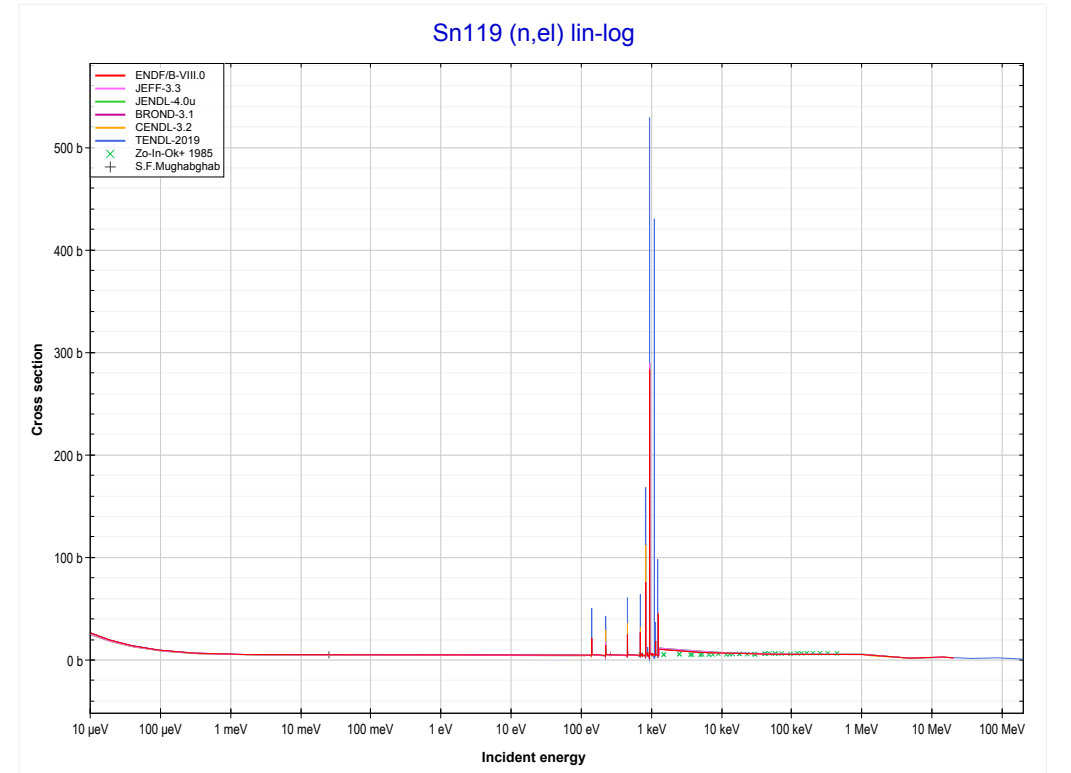
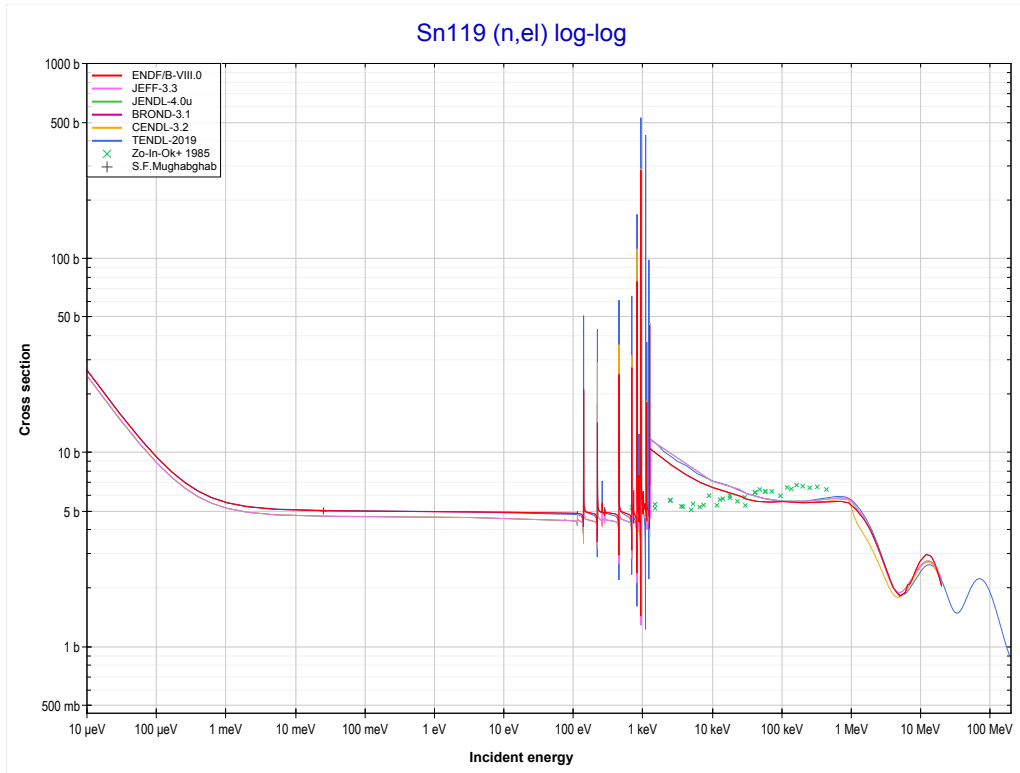
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.11738E-29 b | 4.08097E-7 b | 6.60698E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.11181E-25 b | 8.58582E-7 b | 0.00119639 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.11181E-25 b | 8.58583E-7 b | 0.00119639 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.1174E-29 b | 4.08097E-7 b | 6.60698E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.71293E-7 b | 0.0012683 b |
| TENDL-2019 | 1.0043E-20 b | 1.0043E-20 b | 1.1333E-20 b | 1.12845 | 1.22063E-19 b | 7.59822E-7 b | 0.00132915 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 50-Sn-118 | 50-Sn-119 | 50-Sn-120 >> |
| << 50-Sn-118 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



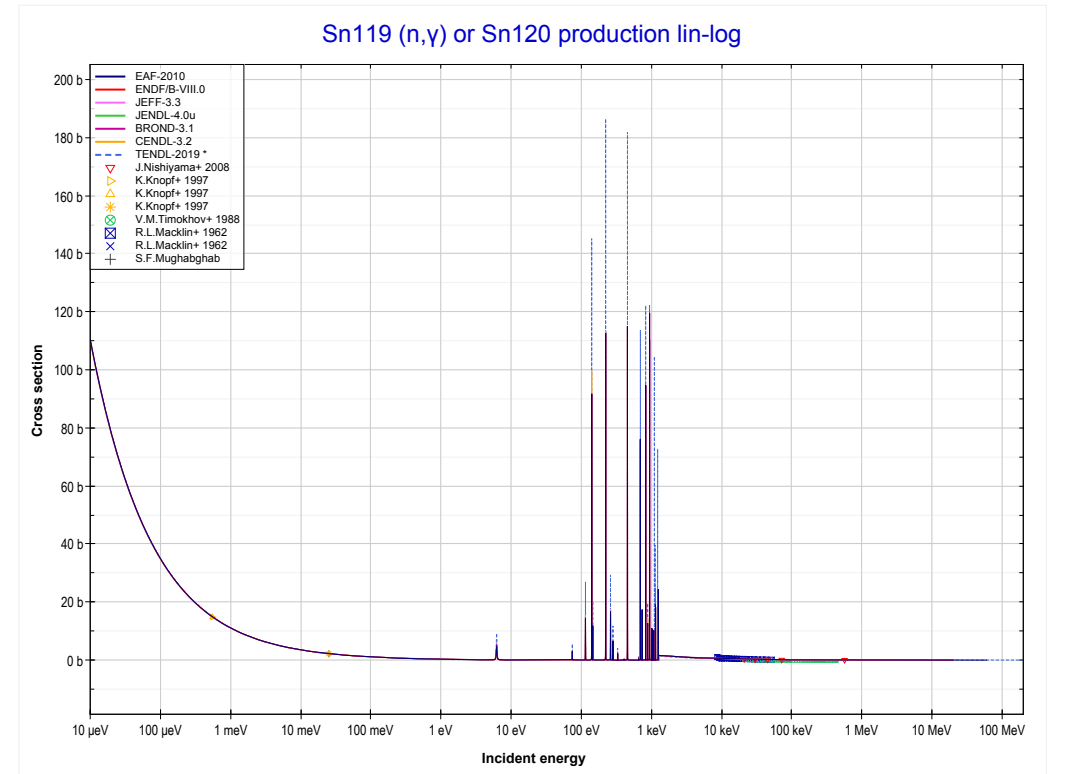
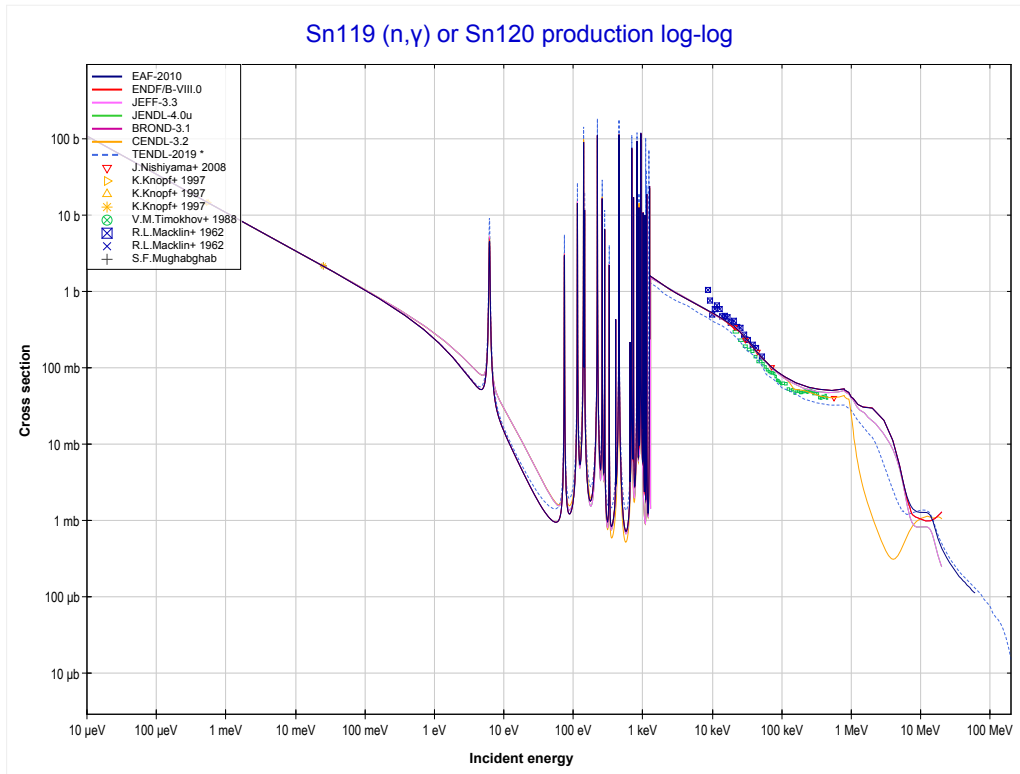
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.18321 b | 7.18321 b | 7.816 b | 1.08809 | 76.1545 b | 5.53329 b | 4.63873 b |
| JEFF-3.3 | 6.86979 b | 6.86979 b | 7.4673 b | 1.08698 | 76.0042 b | 5.8125 b | 4.75065 b |
| JENDL-4.0u | 6.86979 b | 6.86979 b | 7.4673 b | 1.08698 | 76.0042 b | 5.8125 b | 4.75065 b |
| BROND-3.1 | 7.18321 b | 7.18321 b | 7.816 b | 1.08809 | 76.1545 b | 5.53329 b | 4.63873 b |
| CENDL-3.2 | 6.87141 b | 6.87141 b | 7.4687 b | 1.08692 | 73.2583 b | 5.73926 b | 4.6651 b |
| TENDL-2019 | 7.21161 b | 7.21161 b | 7.8461 b | 1.08798 | 82.0089 b | 5.74093 b | 4.61577 b |

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|------------------|------------------------|-------------------------|
| << 50-Sn-118 | 50-Sn-119 | 50-Sn-120 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



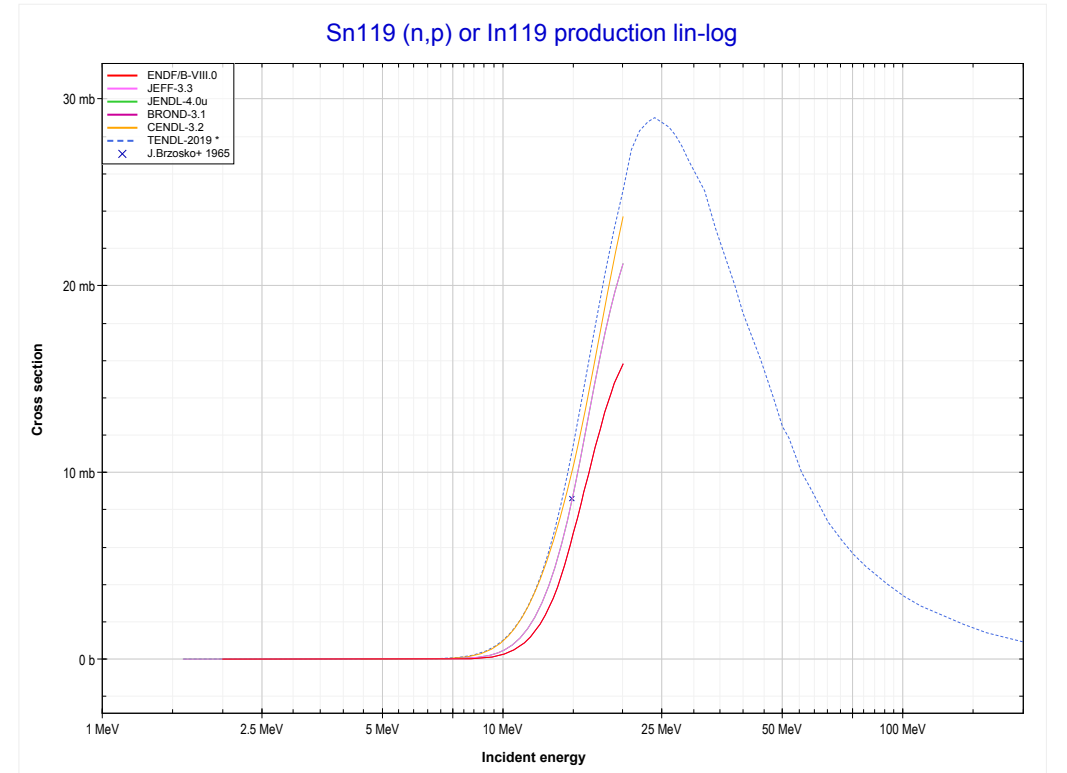
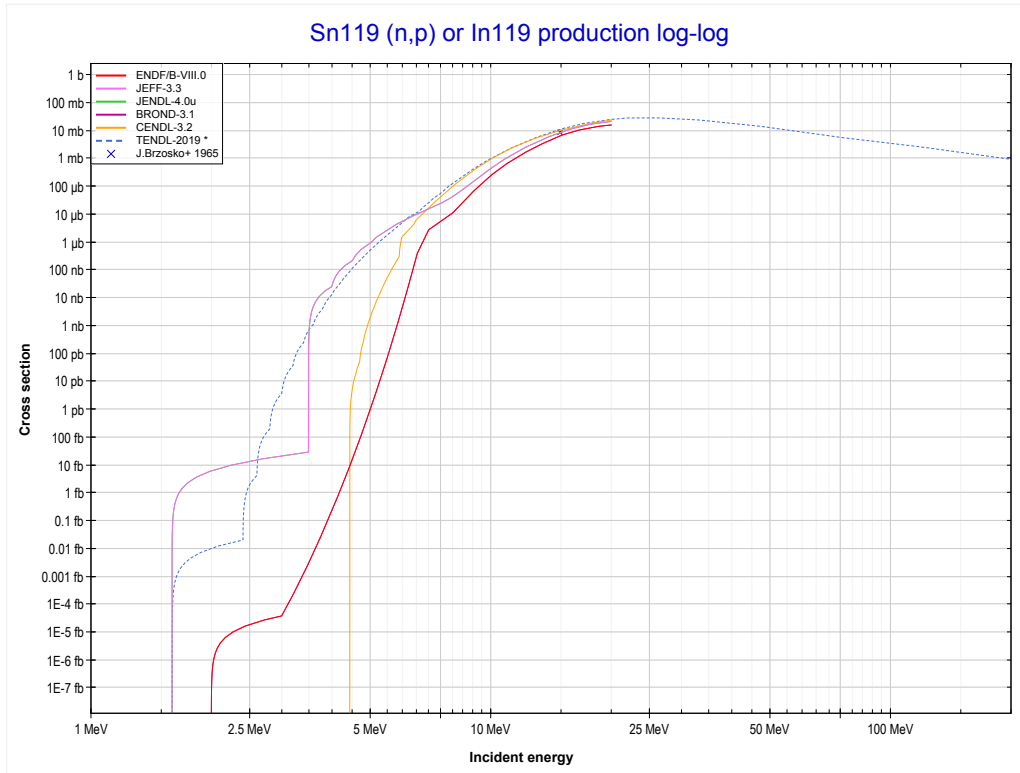
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.00892 b | 5.00892 b | 5.6514 b | 1.12827 | 70.0458 b | 4.13318 b | 2.93127 b |
| JEFF-3.3 | 4.69389 b | 4.69389 b | 5.2959 b | 1.12824 | 69.9078 b | 4.21074 b | 2.74821 b |
| JENDL-4.0u | 4.69389 b | 4.69389 b | 5.2959 b | 1.12824 | 69.9078 b | 4.21074 b | 2.74821 b |
| BROND-3.1 | 5.00892 b | 5.00892 b | 5.6514 b | 1.12827 | 70.0458 b | 4.13318 b | 2.93127 b |
| CENDL-3.2 | 4.69546 b | 4.69546 b | 5.2979 b | 1.12831 | 67.2015 b | 3.8375 b | 2.7018 b |
| TENDL-2019 | 5.02903 b | 5.02903 b | 5.674 b | 1.12825 | 74.7488 b | 4.302 b | 2.64007 b |

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|--------------------|--|----------------|
| << 50-Sn-118 | 50-Sn-119 | 50-Sn-120 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sn120 production) | MT103 (n,p) >> |



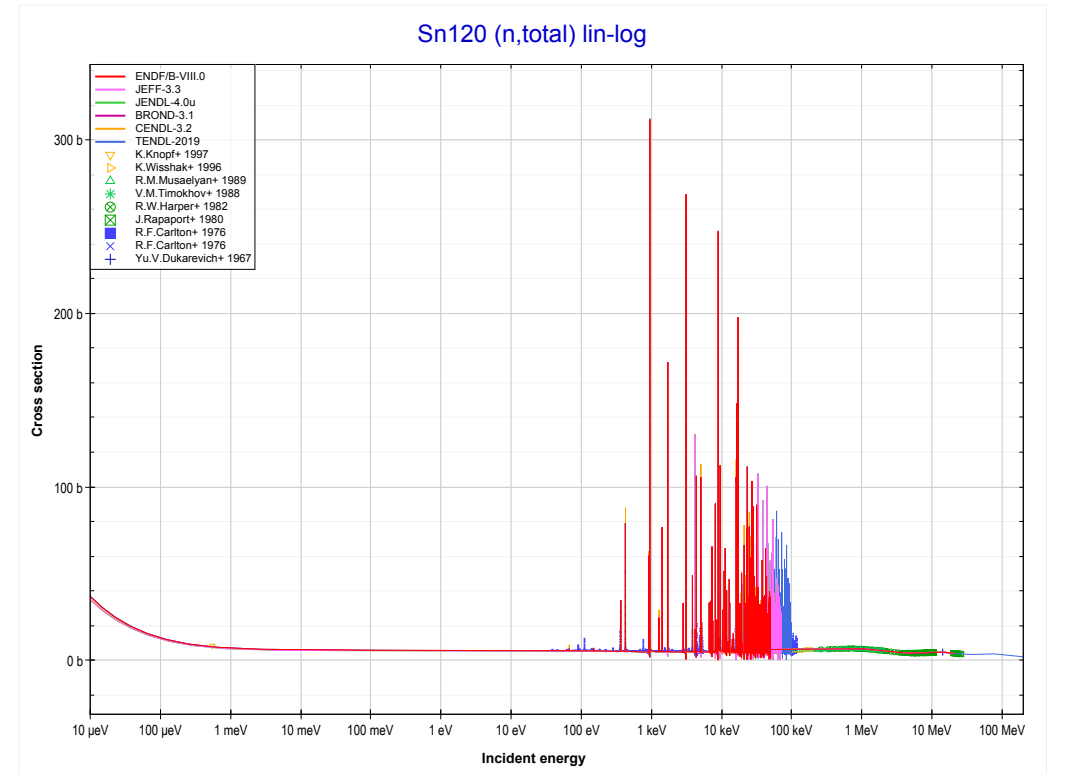
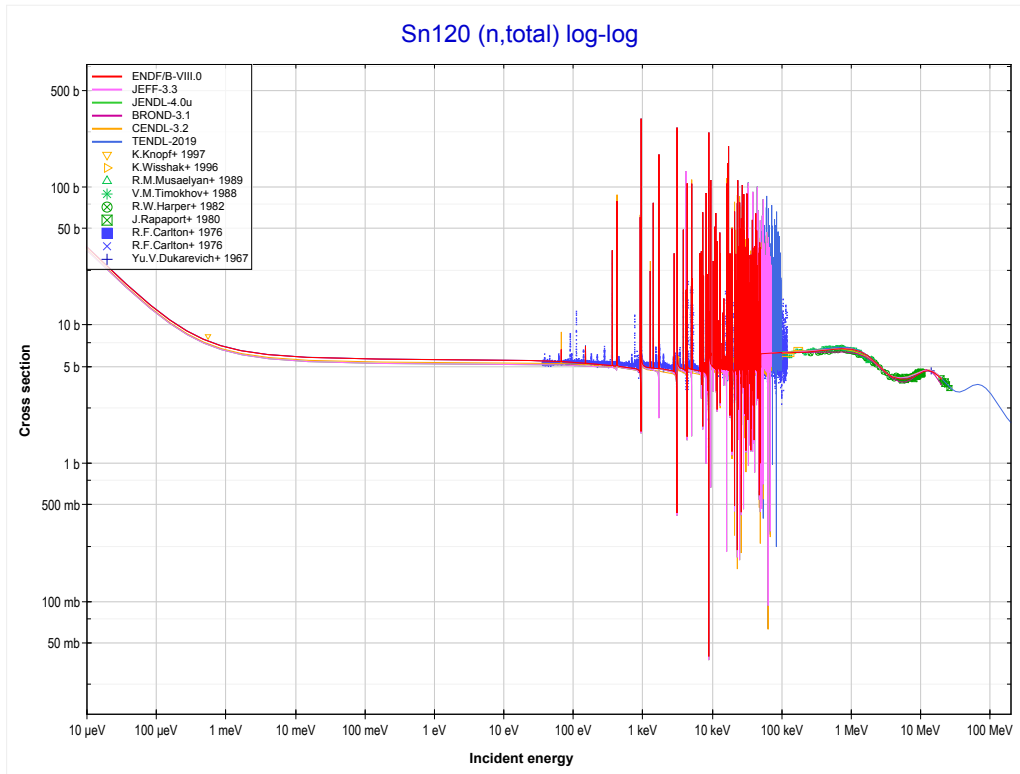
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.17393 b | 2.17232 b | 2.1618 b | 0.99517 | 5.48686 b | 0.0345114 b | 0.0011498 b |
| ENDF/B-VIII.0 | 2.17429 b | 2.17429 b | 2.1646 b | 0.99554 | 5.46967 b | 0.0344855 b | 0.00100069 b |
| JEFF-3.3 | 2.17589 b | 2.17589 b | 2.1715 b | 0.99797 | 5.42478 b | 0.0300889 b | 7.494E-4 b |
| JENDL-4.0u | 2.17589 b | 2.17589 b | 2.1715 b | 0.99797 | 5.42478 b | 0.0300889 b | 7.494E-4 b |
| BROND-3.1 | 2.17429 b | 2.17429 b | 2.1646 b | 0.99554 | 5.46967 b | 0.0344855 b | 0.00100069 b |
| CENDL-3.2 | 2.17595 b | 2.17595 b | 2.1707 b | 0.99759 | 5.15 b | 0.0170866 b | 0.0011129 b |
| TENDL-2019 | 2.18258 b | 2.18258 b | 2.1721 b | 0.99519 | 6.60243 b | 0.0195914 b | 0.00120031 b |

| | | |
|-------------------------|--|----------------------------|
| << 50-Sn-118 | 50-Sn-119 | 50-Sn-120 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In119 production) | 50-Sn-120 MT1 (n,total) >> |



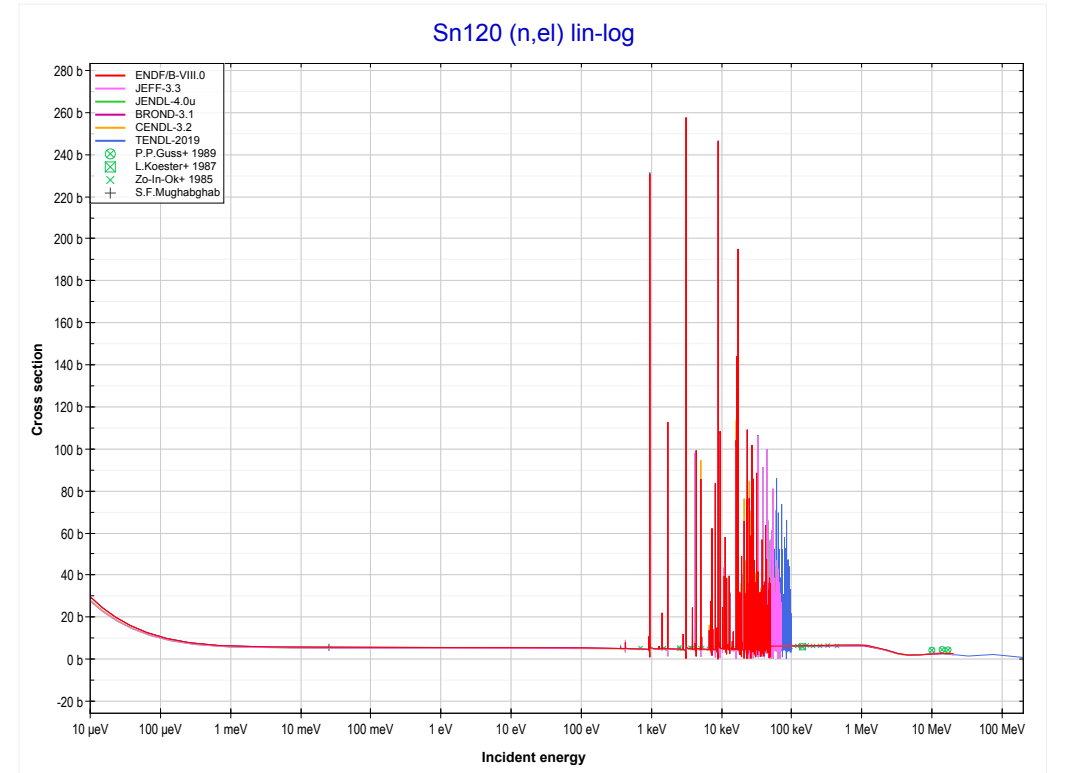
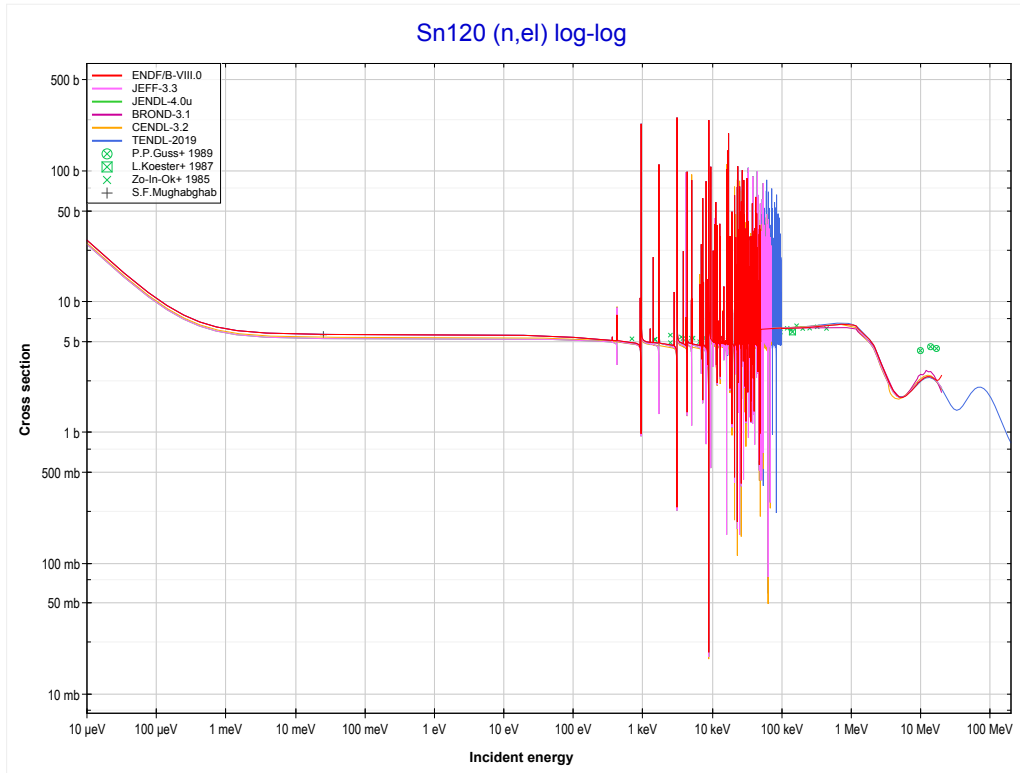
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.03757E-6 b | 0.00442361 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.1081E-6 b | 0.00604354 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.1081E-6 b | 0.00604354 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.03757E-6 b | 0.00442361 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.16445E-6 b | 0.007746 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92356E-6 b | 0.00831081 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 50-Sn-119 | 50-Sn-120 | 50-Sn-122 >> |
| << 50-Sn-119 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



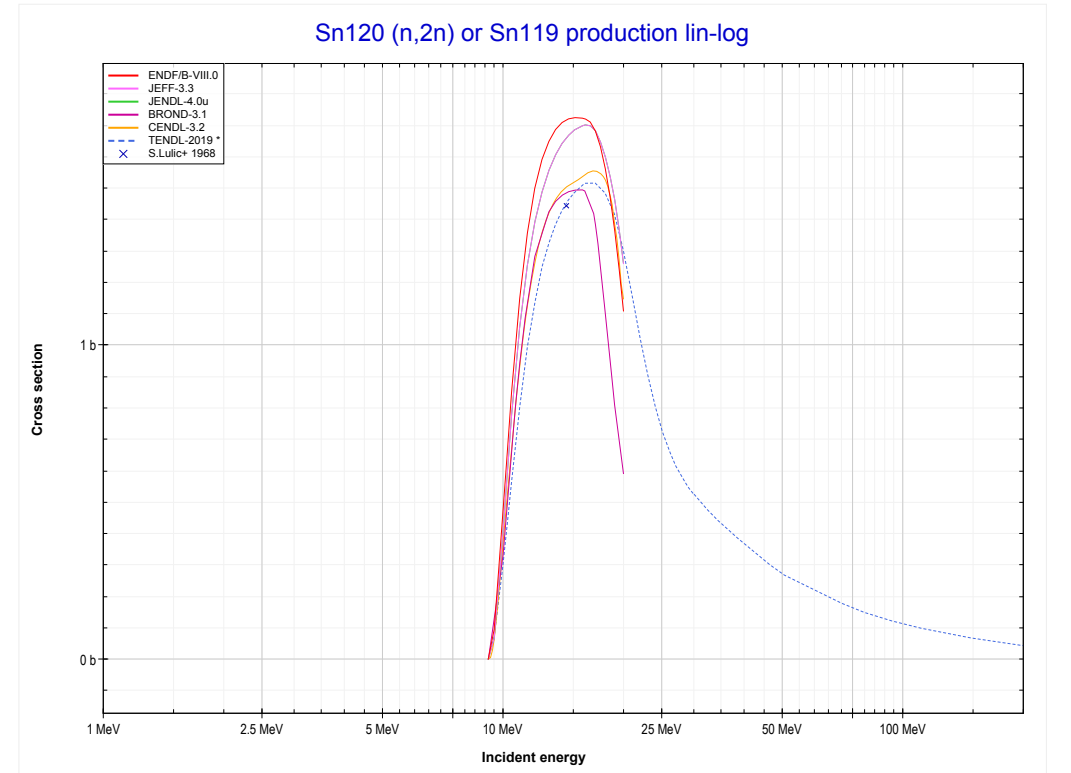
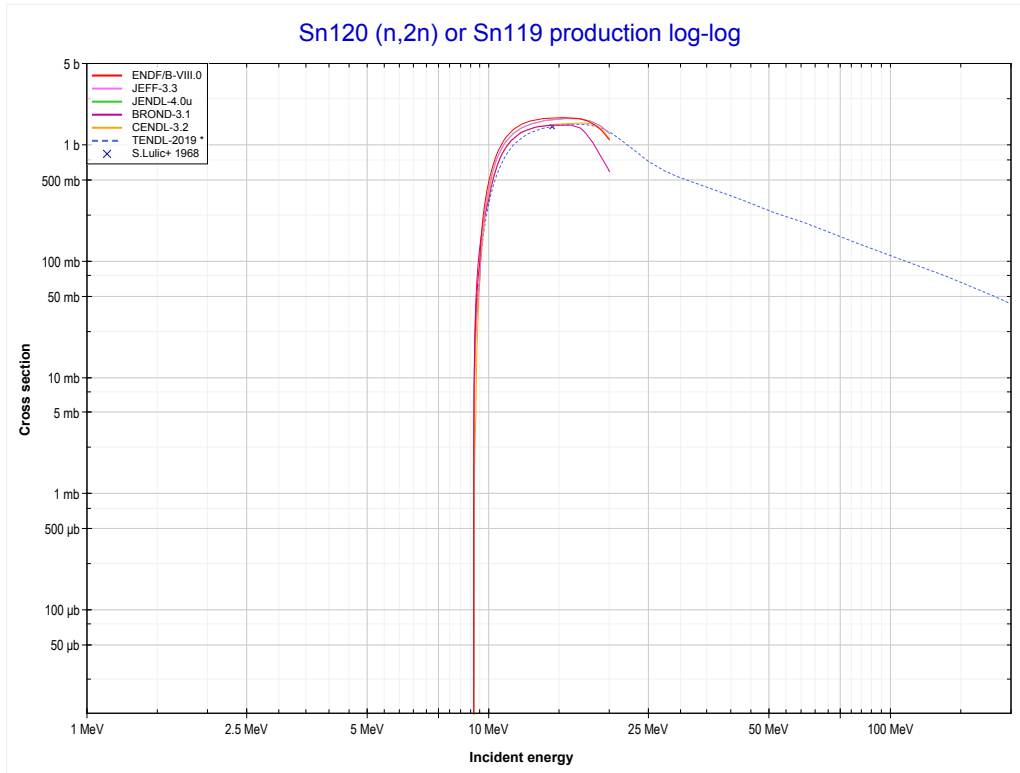
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.77596 b | 5.77596 b | 6.4995 b | 1.12526 | 68.273 b | 5.7379 b | 4.64728 b |
| JEFF-3.3 | 5.38023 b | 5.38023 b | 6.0526 b | 1.12496 | 65.7535 b | 5.74708 b | 4.69214 b |
| JENDL-4.0u | 5.38023 b | 5.38023 b | 6.0526 b | 1.12496 | 65.7535 b | 5.74708 b | 4.69214 b |
| BROND-3.1 | 5.77596 b | 5.77596 b | 6.4995 b | 1.12526 | 68.273 b | 5.53143 b | 4.63889 b |
| CENDL-3.2 | 5.50151 b | 5.50151 b | 6.1902 b | 1.12518 | 65.6521 b | 5.67747 b | 4.6853 b |
| TENDL-2019 | 5.78489 b | 5.78489 b | 6.5093 b | 1.12523 | 68.3766 b | 5.78452 b | 4.64077 b |

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|------------------|------------------------|----------------|
| << 50-Sn-119 | 50-Sn-120 | 50-Sn-122 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



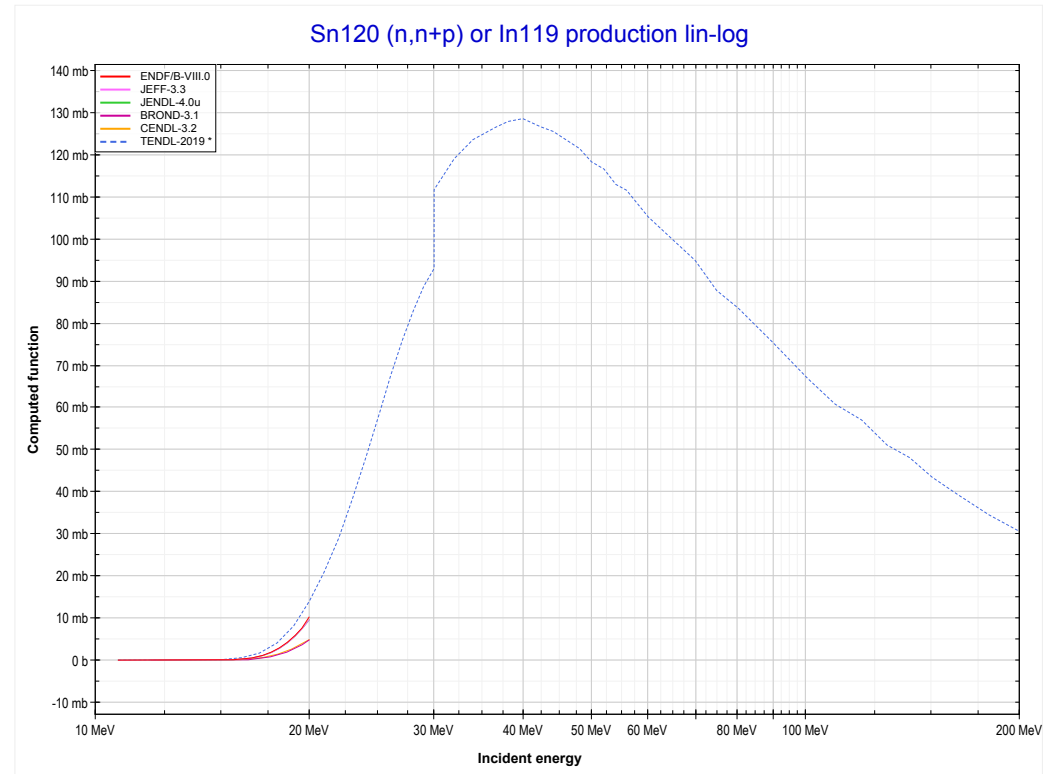
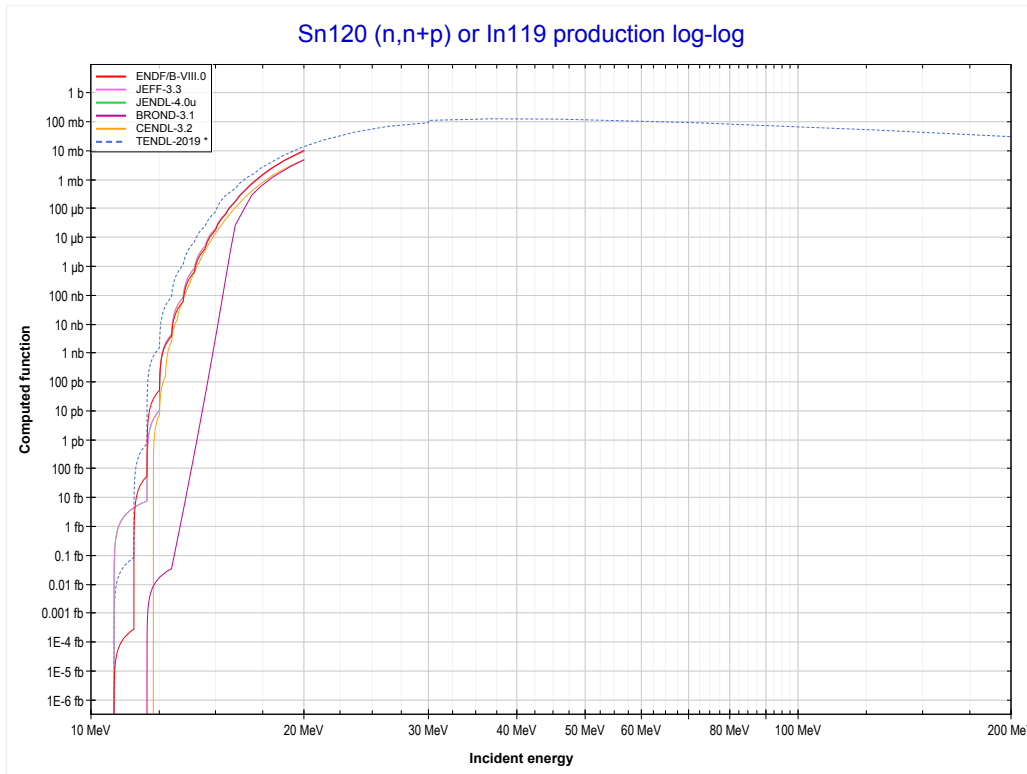
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.63641 b | 5.63641 b | 6.3599 b | 1.12835 | 67.2079 b | 4.9404 b | 2.67357 b |
| JEFF-3.3 | 5.23724 b | 5.23724 b | 5.9095 b | 1.12837 | 64.6846 b | 4.85544 b | 2.67219 b |
| JENDL-4.0u | 5.23724 b | 5.23724 b | 5.9095 b | 1.12837 | 64.6846 b | 4.85544 b | 2.67219 b |
| BROND-3.1 | 5.63641 b | 5.63641 b | 6.3599 b | 1.12835 | 67.2079 b | 4.79051 b | 2.92807 b |
| CENDL-3.2 | 5.36229 b | 5.36229 b | 6.051 b | 1.12843 | 64.4973 b | 4.78117 b | 2.7211 b |
| TENDL-2019 | 5.64109 b | 5.64109 b | 6.3655 b | 1.12842 | 67.3211 b | 4.99991 b | 2.62833 b |

| | | |
|--------------------|--|-----------------|
| << 50-Sn-118 | 50-Sn-120 | 50-Sn-122 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn119 production) | MT28 (n,n+p) >> |



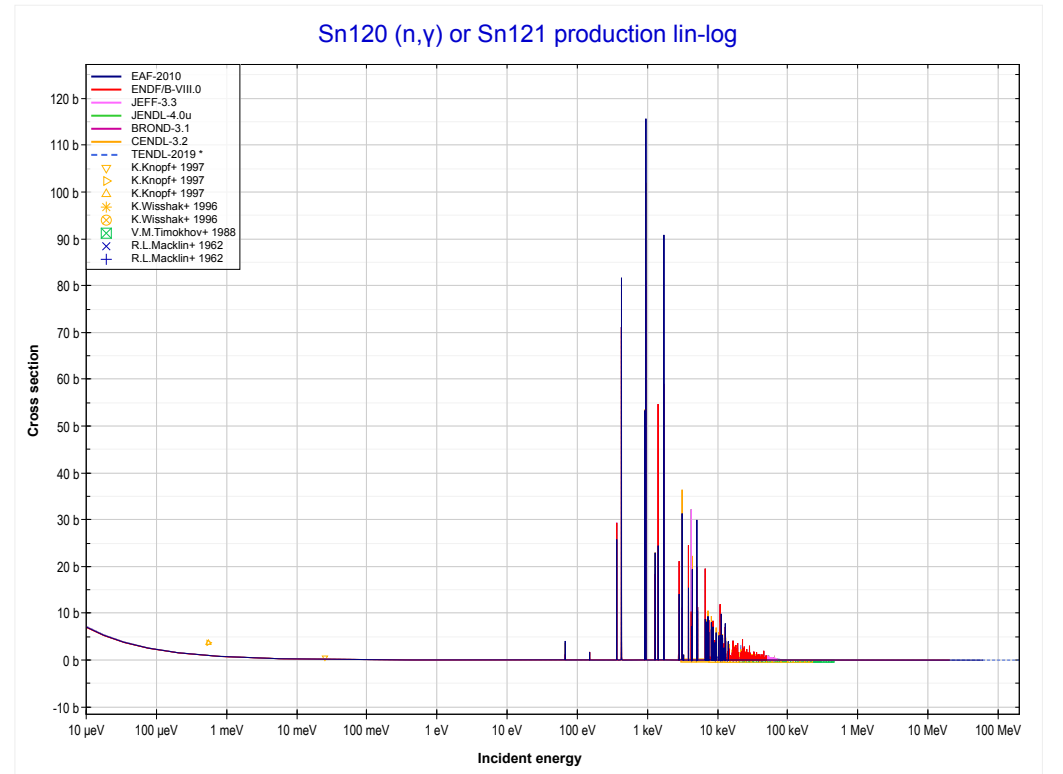
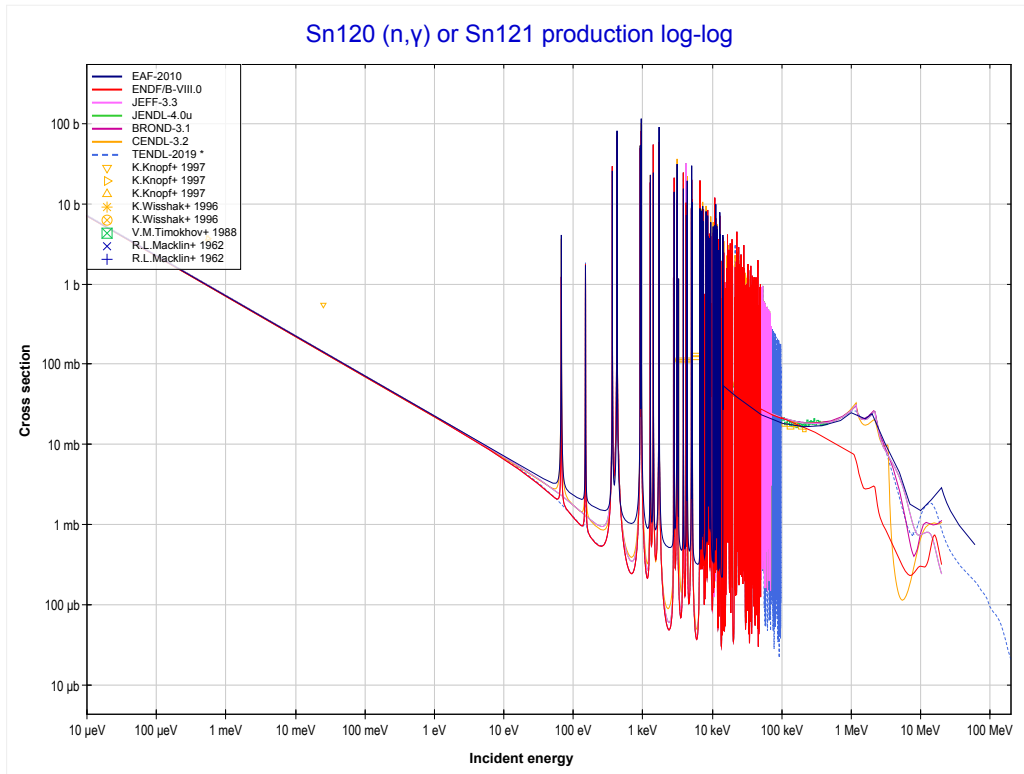
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00249683 b | 1.70798 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00228545 b | 1.6403 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00228545 b | 1.6403 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00206778 b | 1.4763 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00203909 b | 1.4895 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00182357 b | 1.42612 b |

| | | |
|----------------|---|-------------------------|
| << 50-Sn-118 | 50-Sn-120 | 52-Te-123 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (In119 production) | MT102 (n, γ) >> |



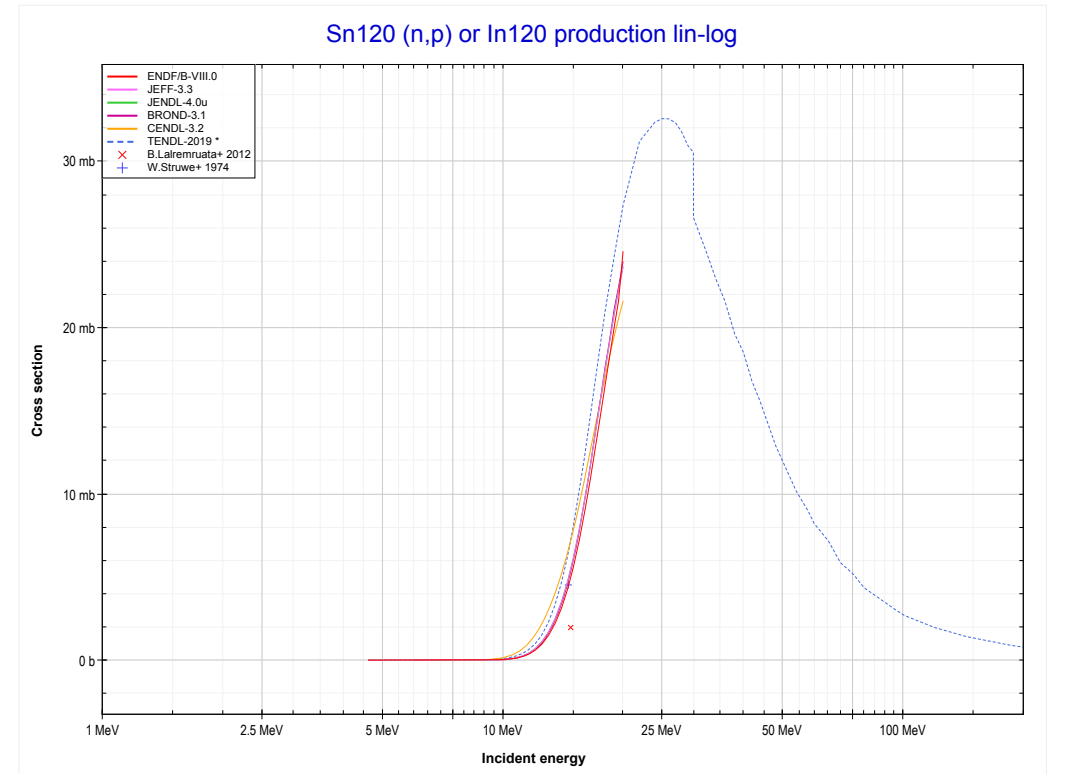
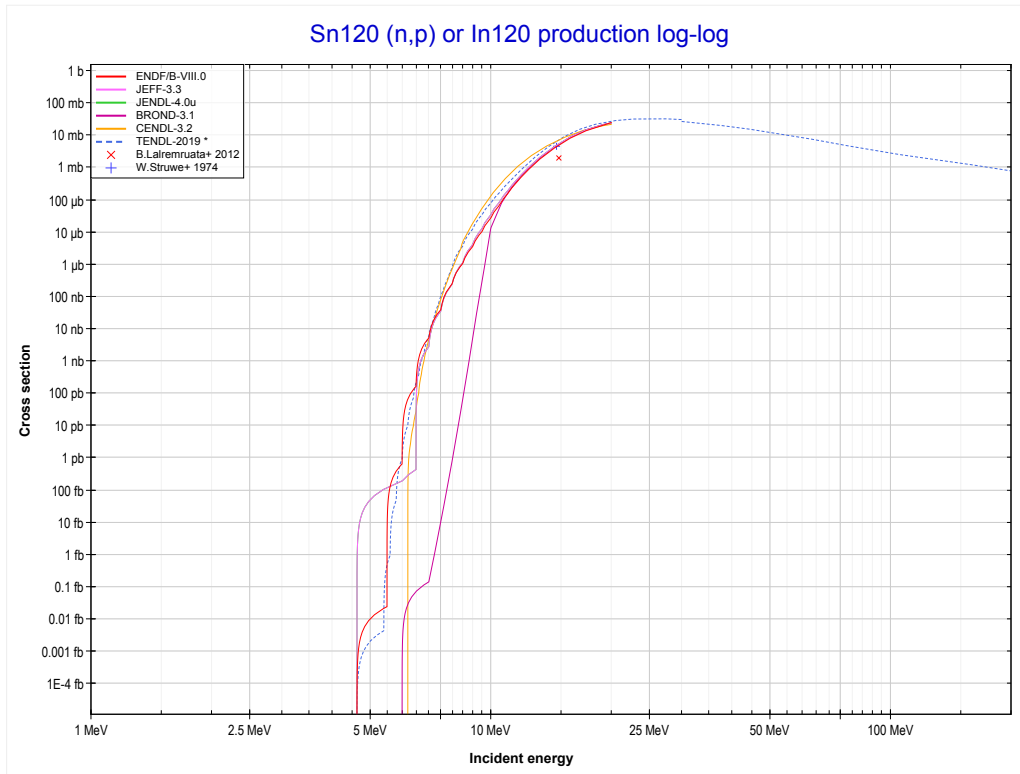
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.49877E-8 b | 6.36842E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.34554E-8 b | 8.48129E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.34554E-8 b | 8.48129E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84263E-8 b | 3.2609E-13 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38982E-8 b | 5.9075E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.16901E-8 b | 6.92755E-6 b |

| | | |
|-----------------|--|----------------|
| << 50-Sn-119 | 50-Sn-120 | 50-Sn-122 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sn121 production) | MT103 (n,p) >> |



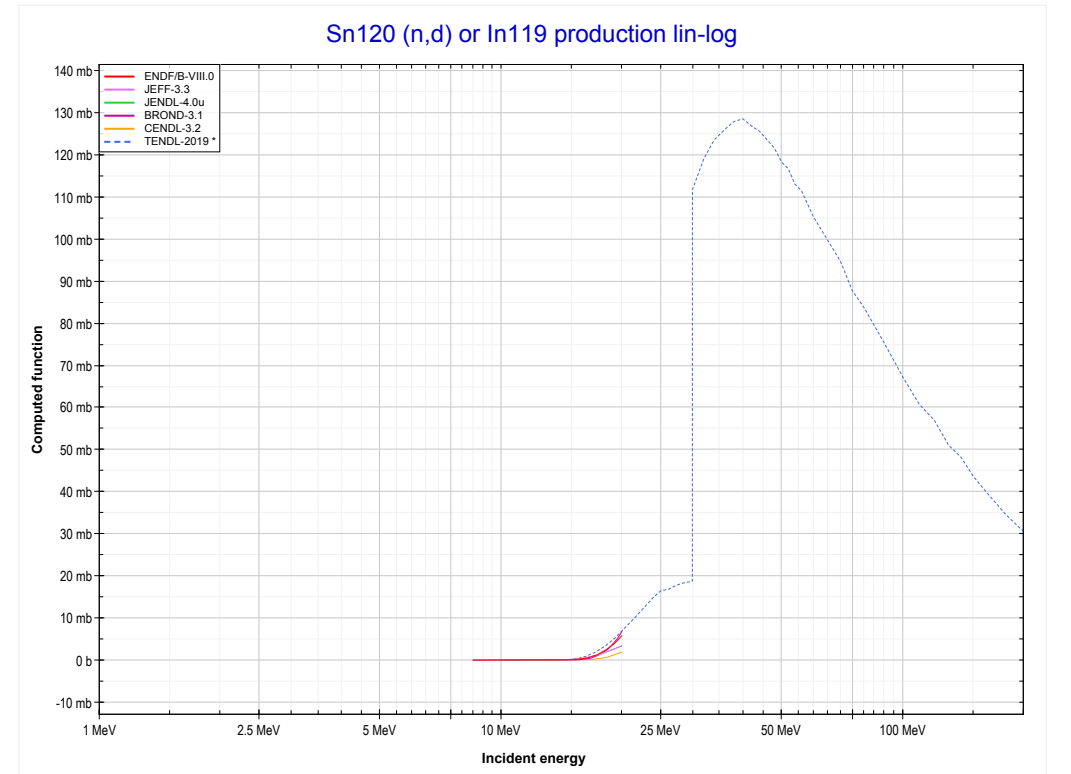
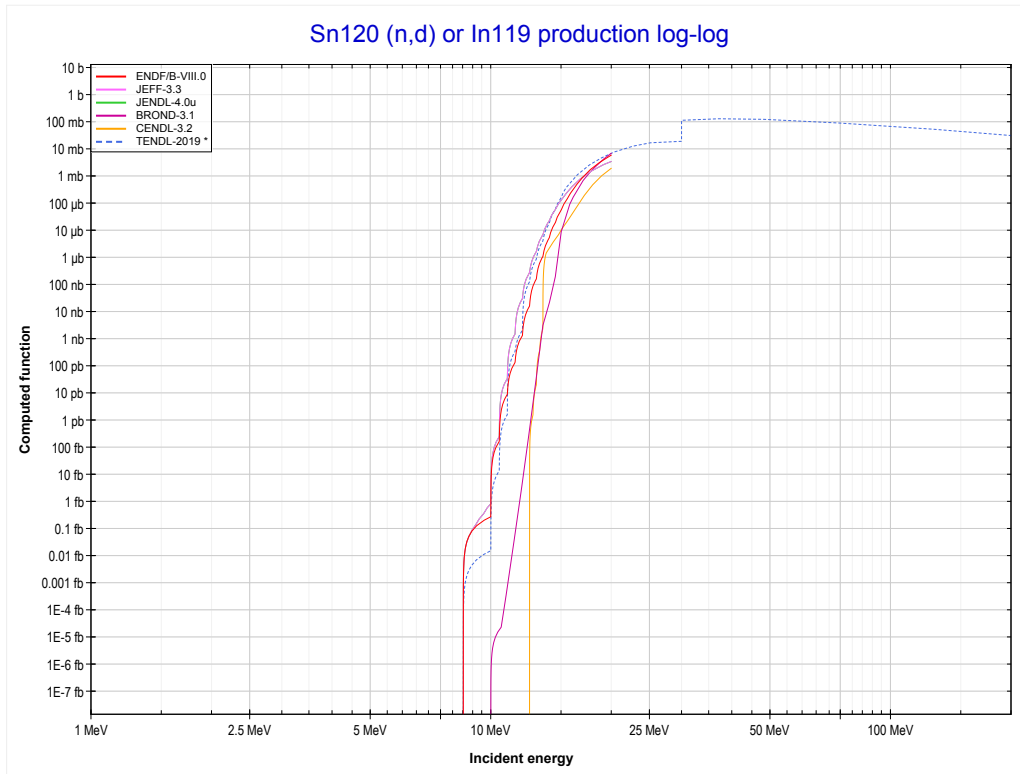
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.141158 b | 0.141053 b | 0.14101 b | 0.99972 | 1.18565 b | 0.0170504 b | 0.00199426 b |
| ENDF/B-VIII.0 | 0.139554 b | 0.139554 b | 0.1396 b | 1.0003 | 1.06509 b | 0.00547518 b | 5.10157E-4 b |
| JEFF-3.3 | 0.142995 b | 0.142995 b | 0.14305 b | 1.00036 | 1.06888 b | 0.0174923 b | 7.508E-4 b |
| JENDL-4.0u | 0.142995 b | 0.142995 b | 0.14305 b | 1.00036 | 1.06888 b | 0.0174923 b | 7.508E-4 b |
| BROND-3.1 | 0.139554 b | 0.139554 b | 0.1396 b | 1.0003 | 1.06509 b | 0.0178381 b | 0.00100109 b |
| CENDL-3.2 | 0.139213 b | 0.139213 b | 0.13922 b | 1.00002 | 1.14588 b | 0.0162675 b | 0.0010185 b |
| TENDL-2019 | 0.143801 b | 0.143801 b | 0.14379 b | 0.99996 | 1.05017 b | 0.0172638 b | 0.00182127 b |

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|-------------------------|--|----------------|
| << 50-Sn-119 | 50-Sn-120 | 50-Sn-122 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In120 production) | MT104 (n,d) >> |



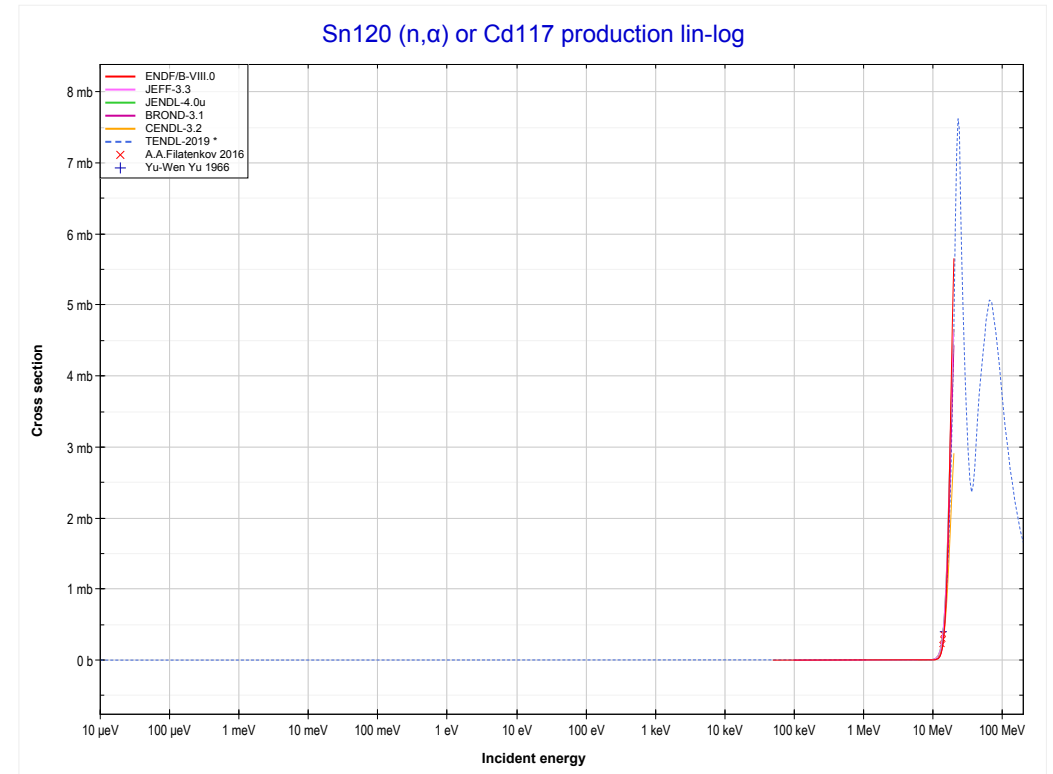
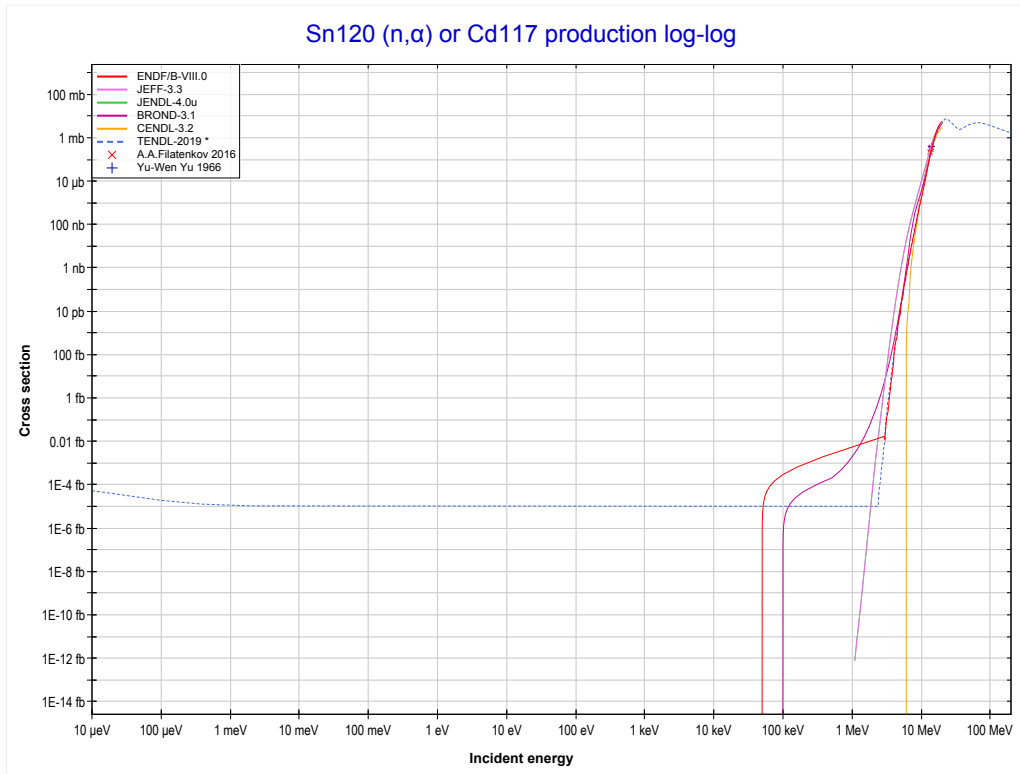
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53318E-6 b | 0.00304432 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.72085E-6 b | 0.00341673 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.72085E-6 b | 0.00341673 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60045E-6 b | 0.00330887 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.85307E-6 b | 0.005094 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38425E-6 b | 0.00455899 b |

| | | |
|----------------|--|-------------------------|
| << 50-Sn-118 | 50-Sn-120 | 52-Te-123 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (In119 production) | MT107 (n, α) >> |



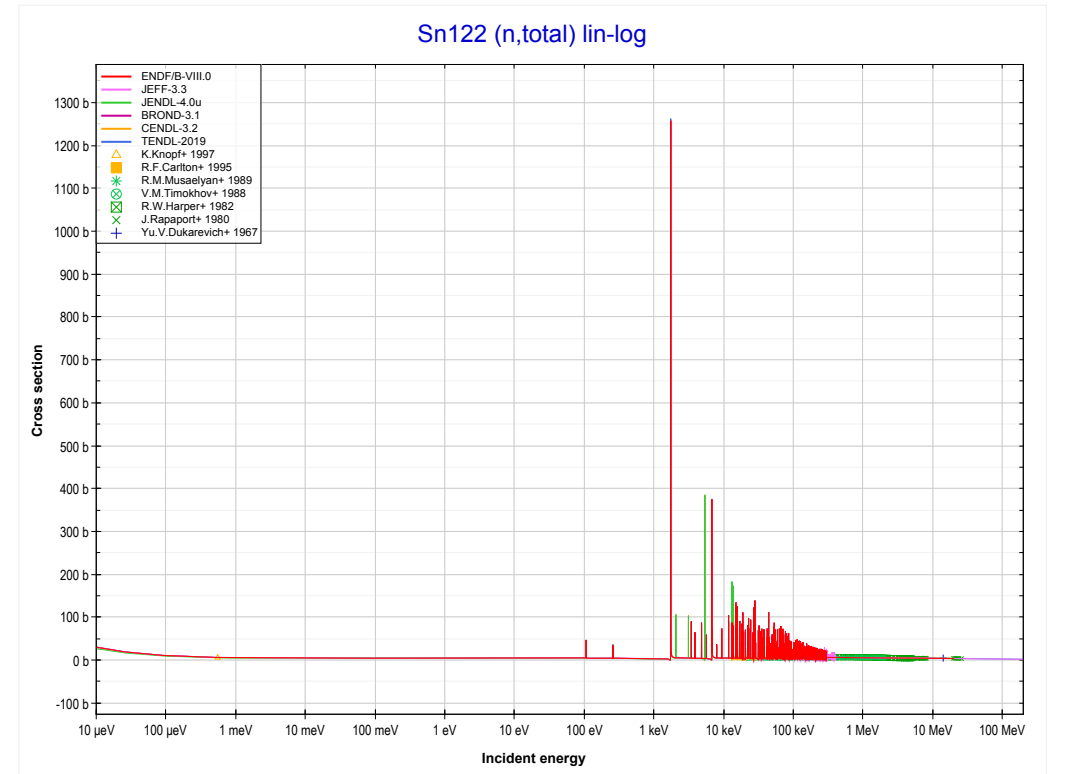
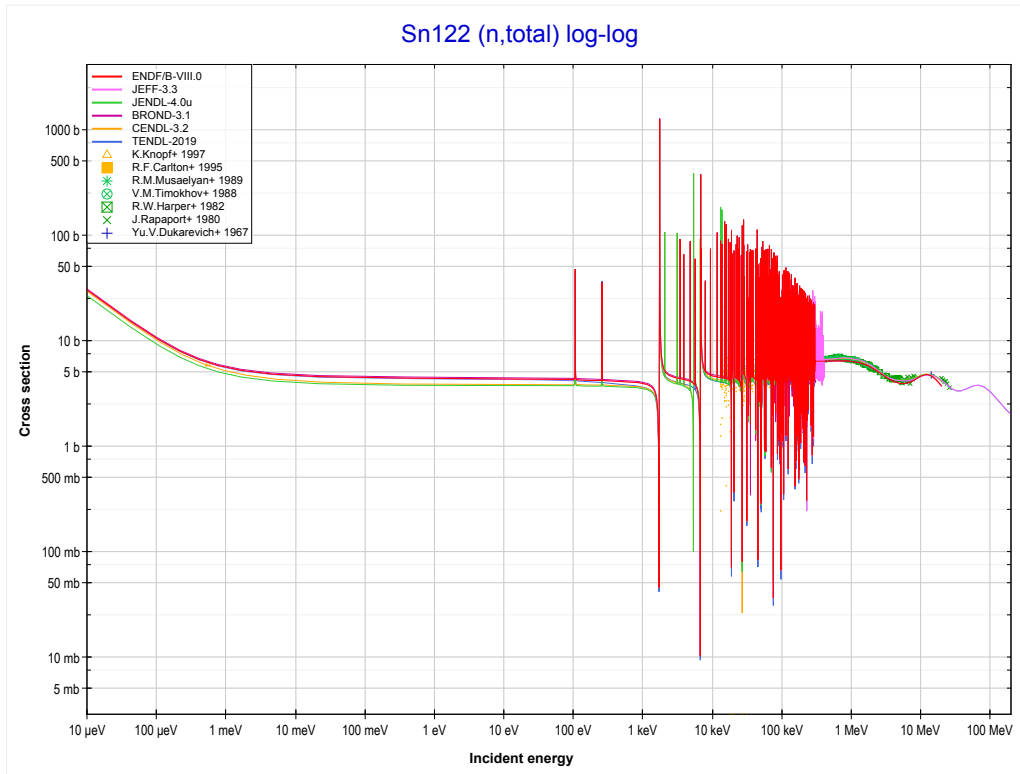
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.02597E-8 b | 5.03189E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.14654E-8 b | 2.15422E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.14654E-8 b | 2.15422E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16134E-8 b | 1.95661E-8 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.04917E-9 b | 2.1402E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.0587E-8 b | 1.73407E-5 b |

| | | |
|----------------|--|----------------------------|
| << 50-Sn-118 | 50-Sn-120 | 50-Sn-122 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Cd117 production) | 50-Sn-122 MT1 (n,total) >> |



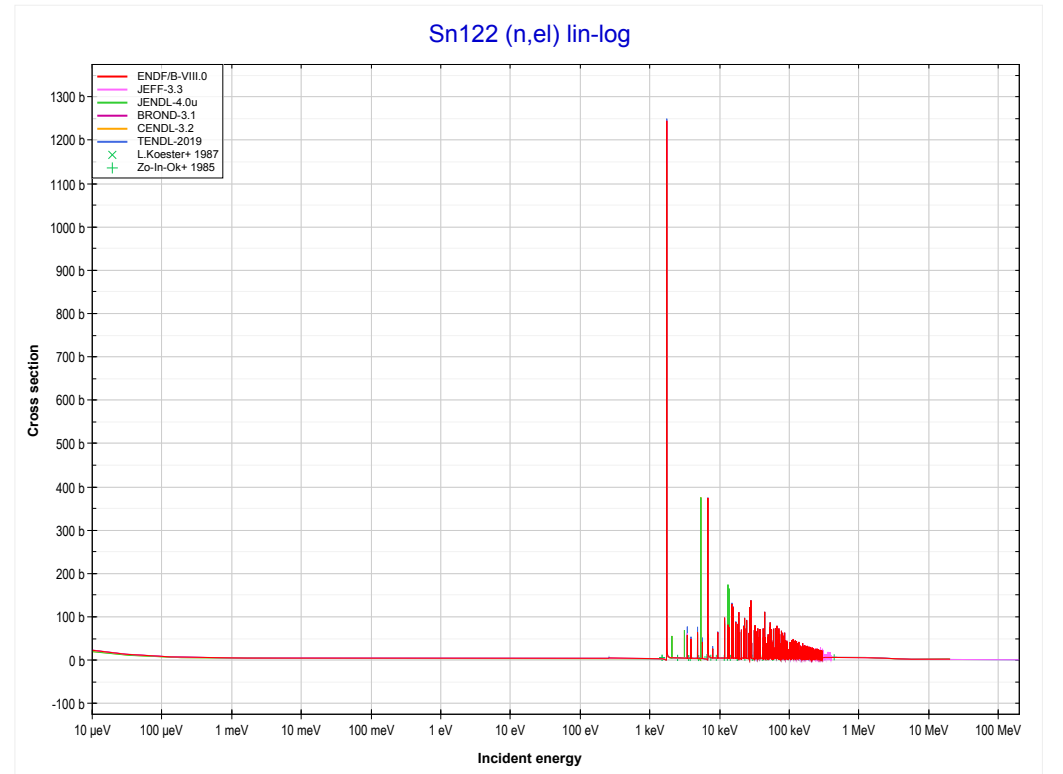
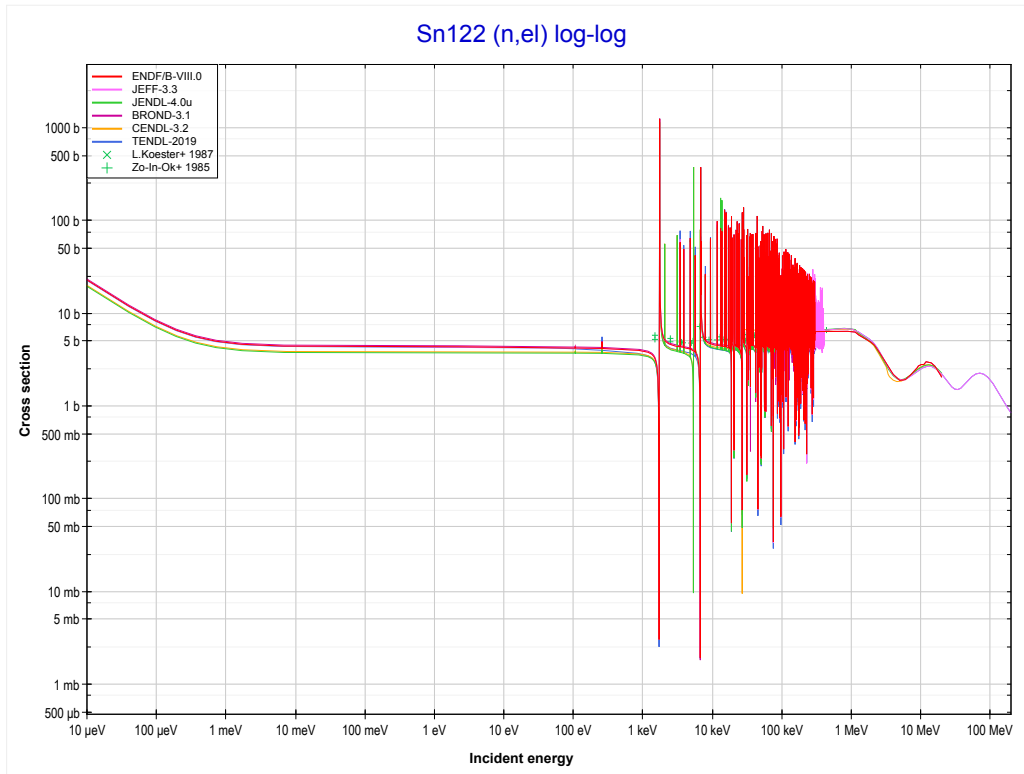
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 9.00009E-20 b | 1.58632E-7 b | 2.47545E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55198E-7 b | 4.18247E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.55198E-7 b | 4.18247E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 9.95264E-32 b | 1.56354E-7 b | 2.54013E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35674E-7 b | 2.6171E-4 b |
| TENDL-2019 | 1.0042E-20 b | 1.0042E-20 b | 1.1332E-20 b | 1.12844 | 1.22064E-19 b | 1.61411E-7 b | 2.92071E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 50-Sn-120 | 50-Sn-122 | 50-Sn-124 >> |
| << 50-Sn-120 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



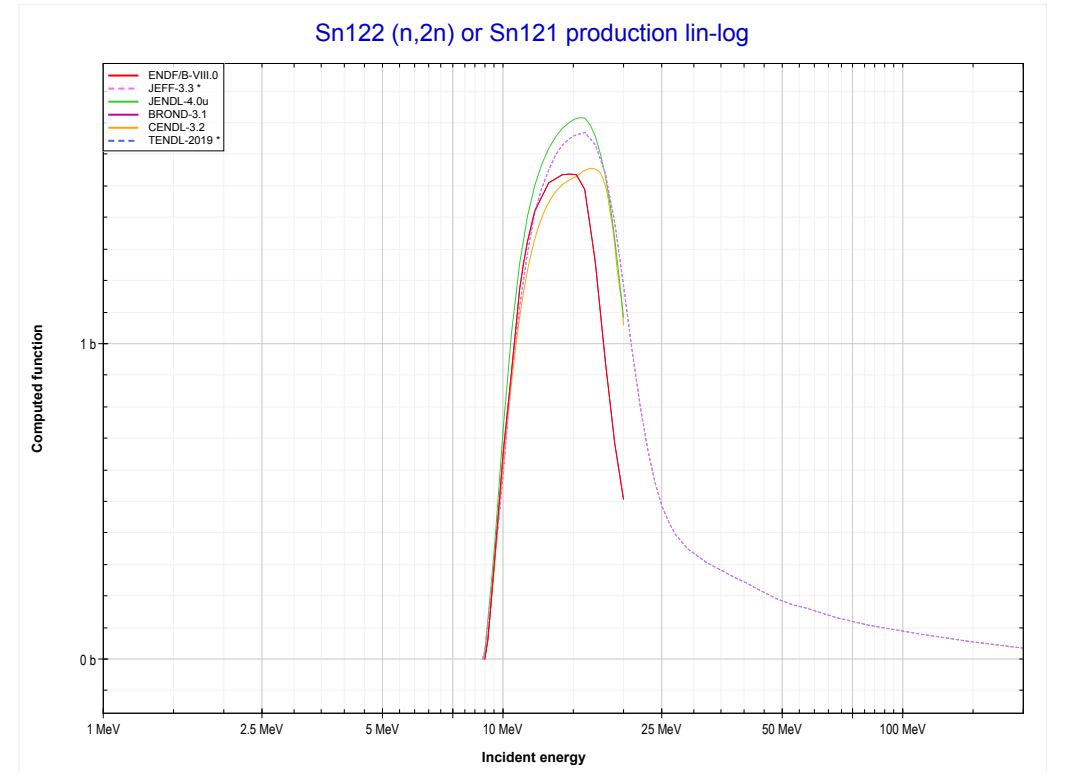
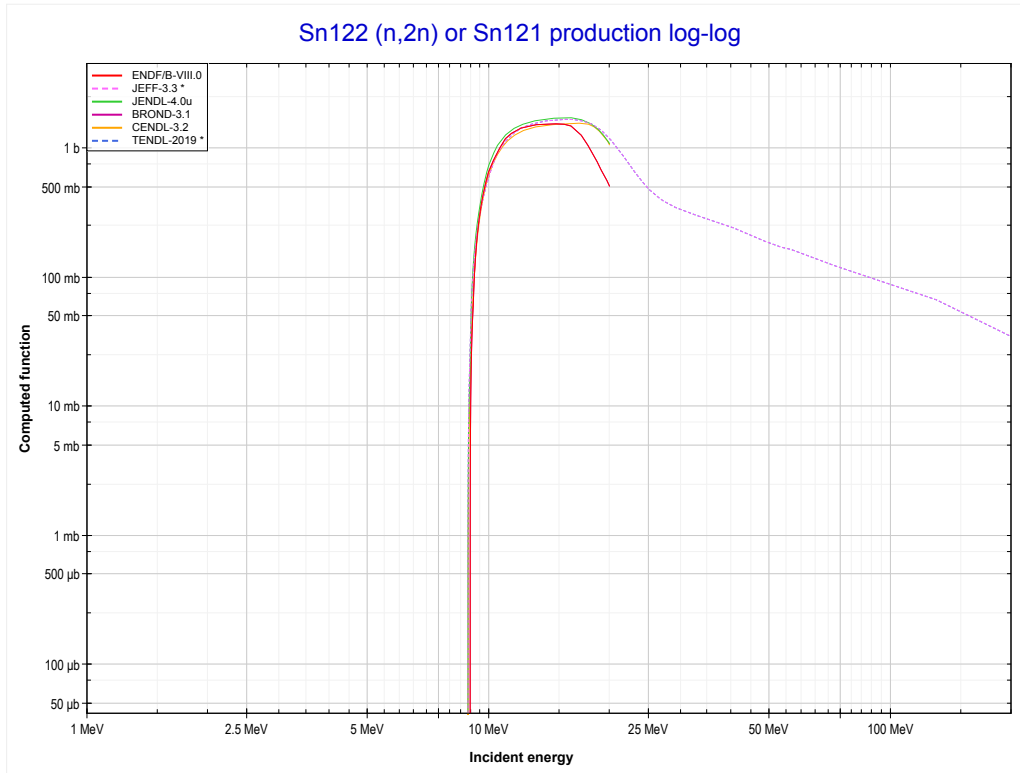
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.50061 b | 4.50061 b | 5.0595 b | 1.12418 | 62.1955 b | 5.51398 b | 4.63851 b |
| JEFF-3.3 | 4.5006 b | 4.5006 b | 5.0595 b | 1.12418 | 62.194 b | 5.70782 b | 4.67877 b |
| JENDL-4.0u | 3.85668 b | 3.85668 b | 4.3336 b | 1.12366 | 56.8918 b | 5.80785 b | 4.75074 b |
| BROND-3.1 | 4.60682 b | 4.60682 b | 5.1794 b | 1.12428 | 61.5732 b | 5.40394 b | 4.63851 b |
| CENDL-3.2 | 3.99467 b | 3.99467 b | 4.4837 b | 1.12242 | 58.0682 b | 5.7324 b | 4.7247 b |
| TENDL-2019 | 4.45705 b | 4.45705 b | 5.0107 b | 1.12421 | 59.7298 b | 5.71367 b | 4.67877 b |

| | | |
|------------------|------------------------|----------------|
| << 50-Sn-120 | 50-Sn-122 | 50-Sn-124 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



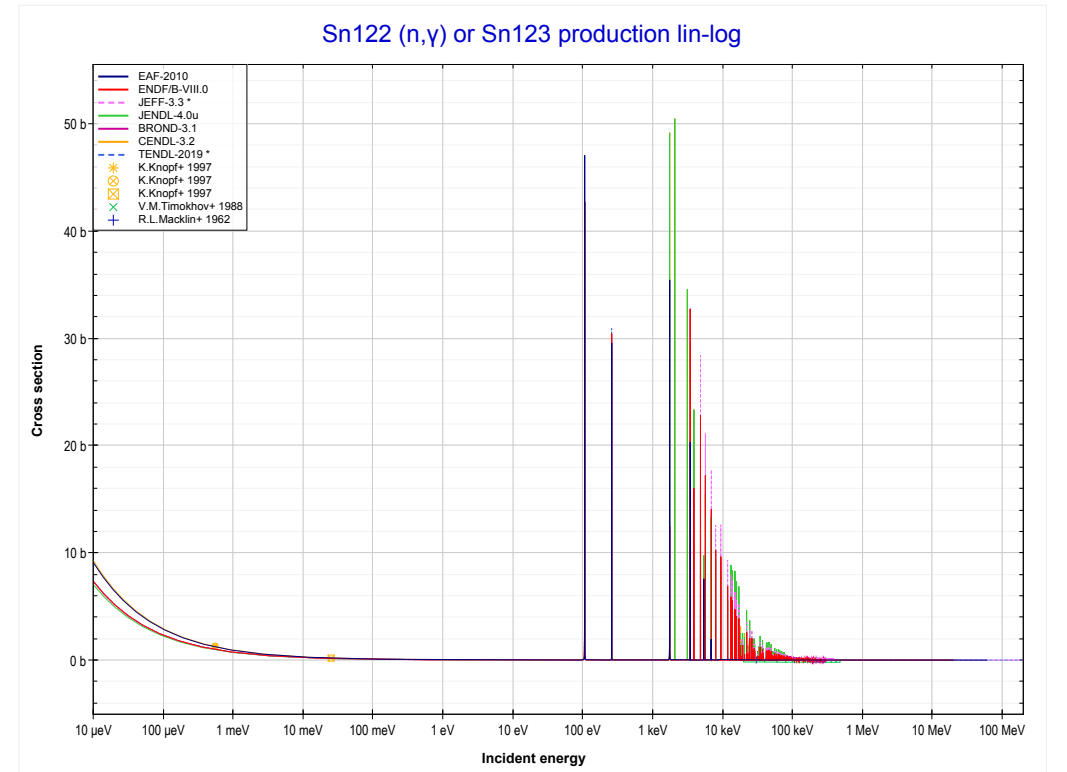
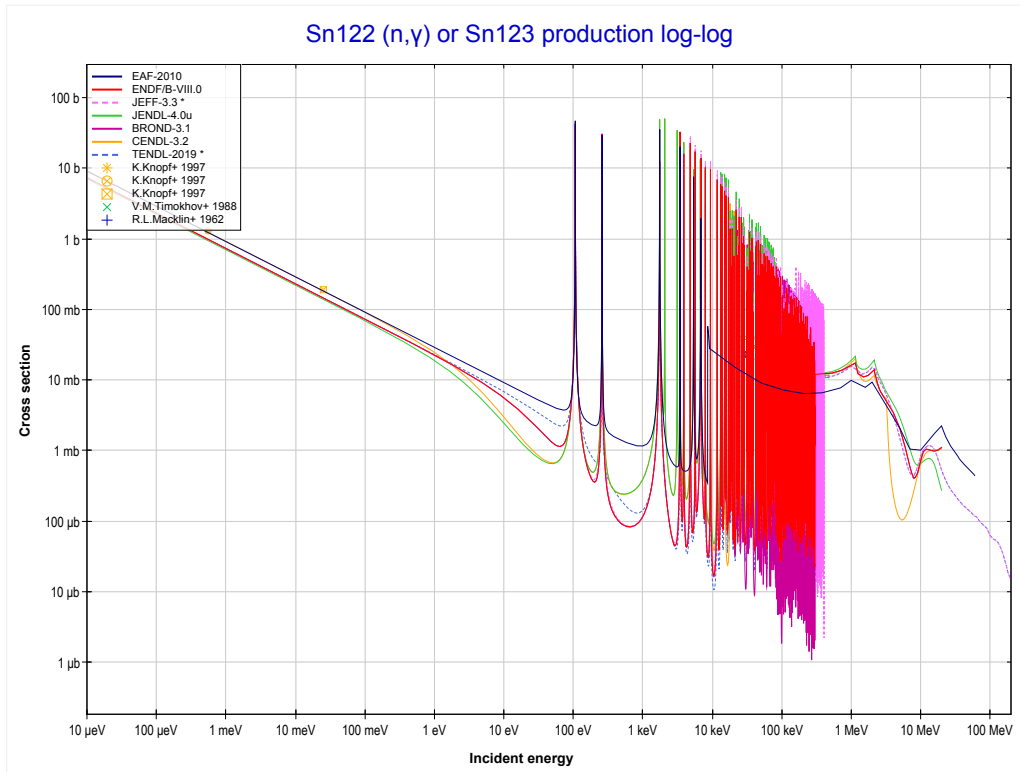
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.35449 b | 4.35449 b | 4.9134 b | 1.12835 | 61.5741 b | 4.79953 b | 2.92983 b |
| JEFF-3.3 | 4.35447 b | 4.35447 b | 4.9134 b | 1.12835 | 61.5521 b | 4.95044 b | 2.66624 b |
| JENDL-4.0u | 3.71712 b | 3.71712 b | 4.1943 b | 1.12836 | 55.9882 b | 4.95468 b | 2.74833 b |
| BROND-3.1 | 4.4608 b | 4.4608 b | 5.0333 b | 1.12835 | 60.9522 b | 4.68949 b | 2.92983 b |
| CENDL-3.2 | 3.811 b | 3.811 b | 4.3004 b | 1.12843 | 57.1798 b | 4.84346 b | 2.7596 b |
| TENDL-2019 | 4.31088 b | 4.31088 b | 4.8645 b | 1.12842 | 59.1805 b | 4.95681 b | 2.66624 b |

| | | |
|--------------------|--|-------------------------|
| << 50-Sn-120 | 50-Sn-122 | 50-Sn-124 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn121 production) | MT102 (n, γ) >> |



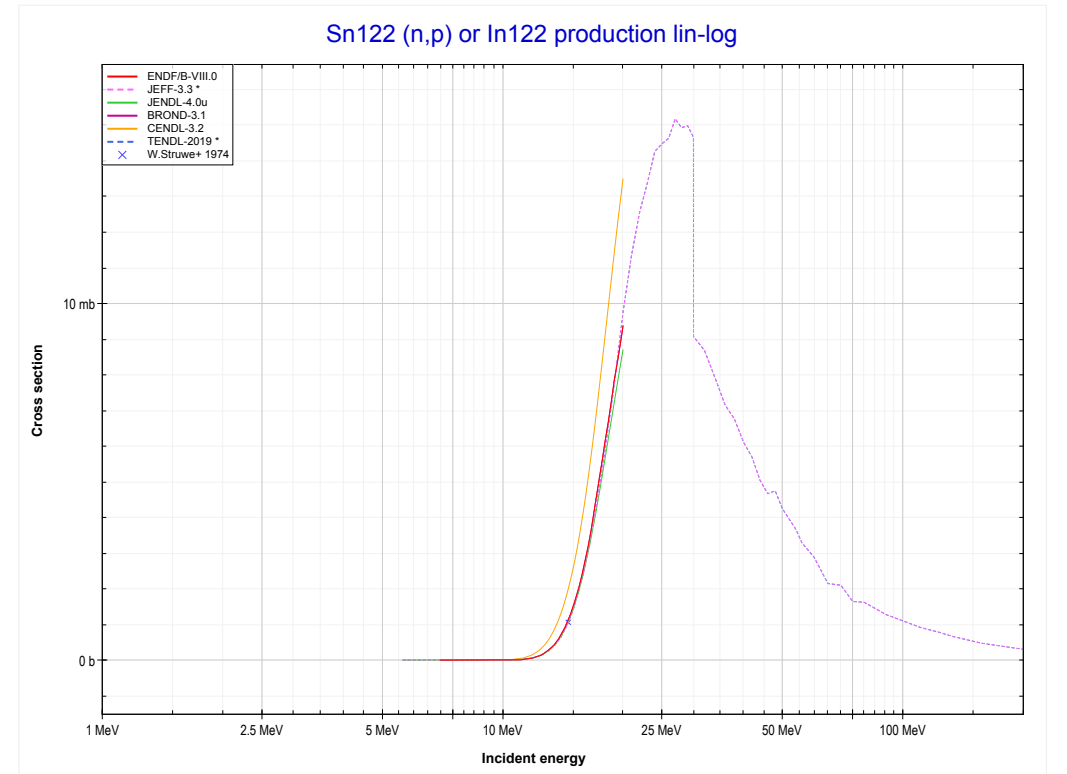
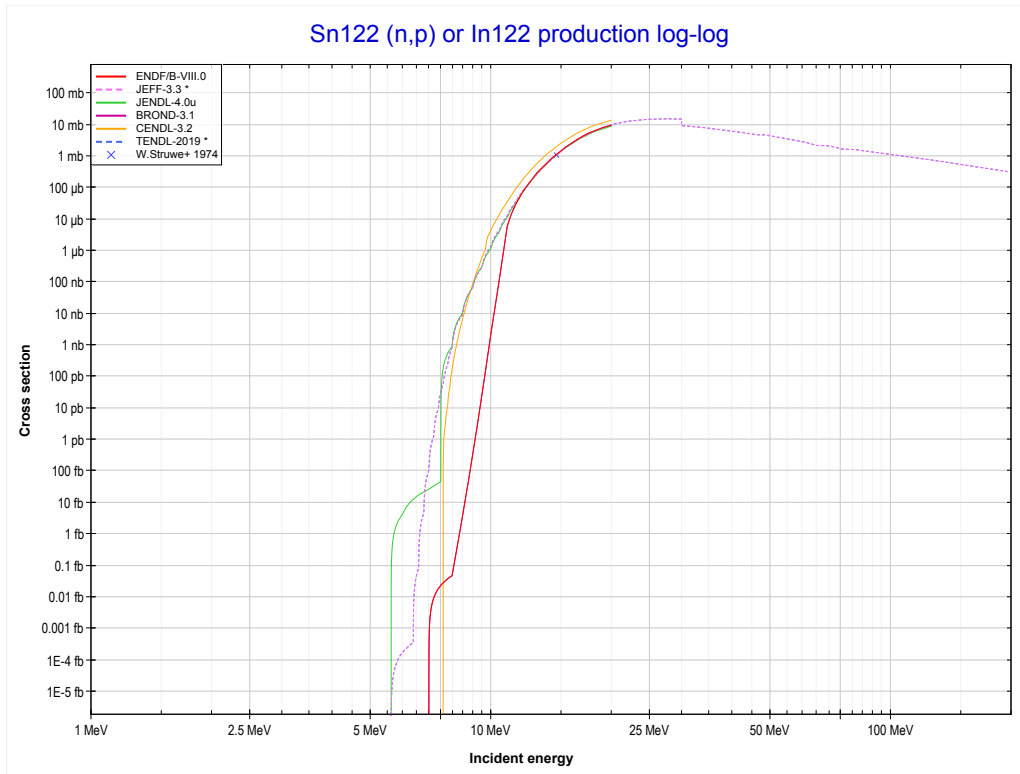
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00276689 b | 1.53461 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00275915 b | 1.62635 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307969 b | 1.67992 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00276689 b | 1.53461 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00264153 b | 1.5019 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00276063 b | 1.62656 b |

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|----------------|--|----------------|
| << 50-Sn-120 | 50-Sn-122 | 50-Sn-124 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sn123 production) | MT103 (n,p) >> |



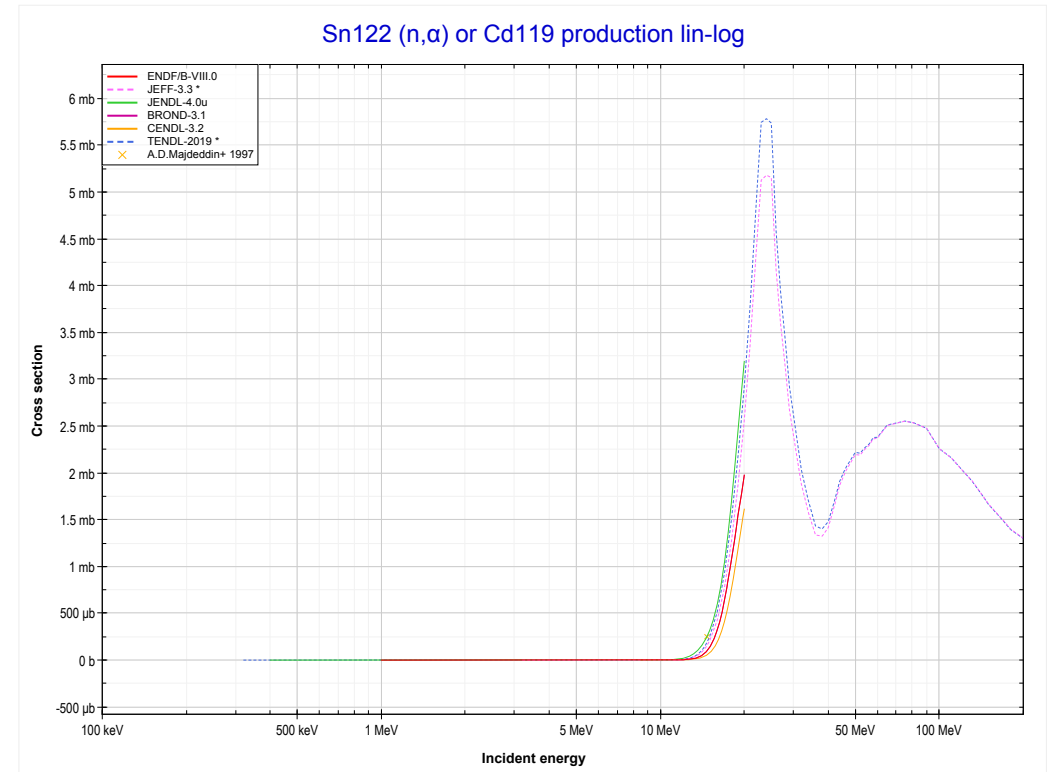
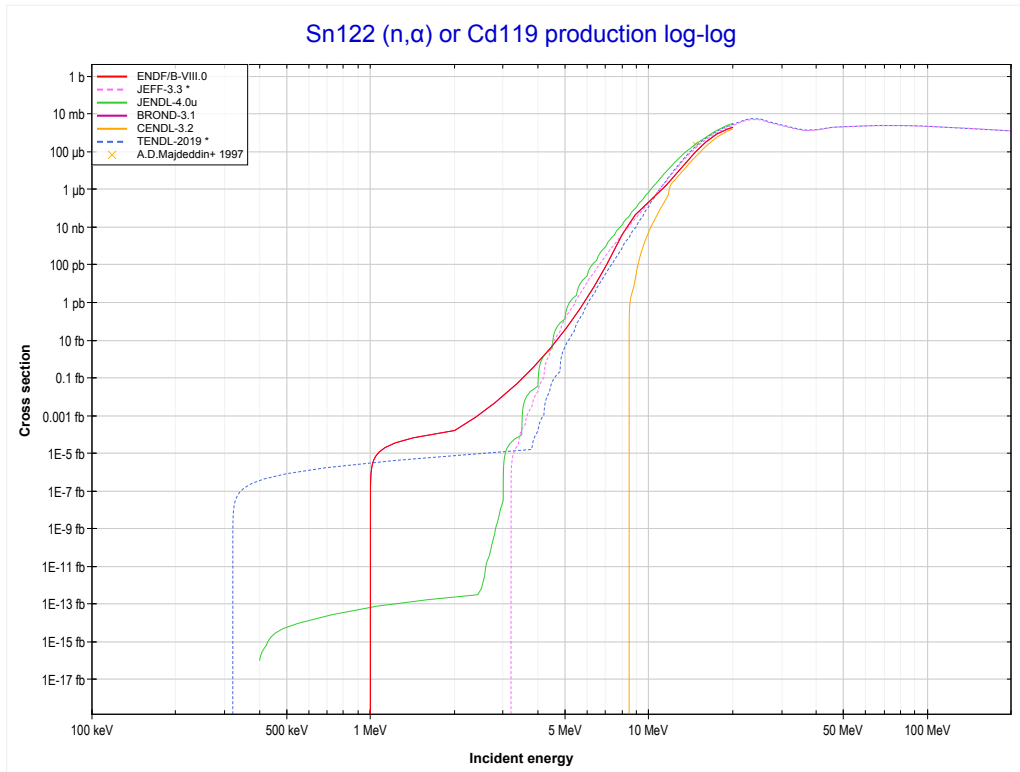
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.181183 b | 0.181047 b | 0.181 b | 0.99973 | 0.674718 b | 0.00681896 b | 0.00151826 b |
| ENDF/B-VIII.0 | 0.146123 b | 0.146123 b | 0.14613 b | 1.00006 | 0.621359 b | 0.00968389 b | 0.0010011 b |
| JEFF-3.3 | 0.146124 b | 0.146124 b | 0.14613 b | 1.00006 | 0.641909 b | 0.010043 b | 0.00117048 b |
| JENDL-4.0u | 0.139561 b | 0.139561 b | 0.13932 b | 0.99825 | 0.903538 b | 0.0126096 b | 7.64502E-4 b |
| BROND-3.1 | 0.146028 b | 0.146028 b | 0.14604 b | 1.00006 | 0.620938 b | 0.00967625 b | 0.0010011 b |
| CENDL-3.2 | 0.183671 b | 0.183671 b | 0.18327 b | 0.9978 | 0.885858 b | 0.00974741 b | 0.0010162 b |
| TENDL-2019 | 0.146165 b | 0.146165 b | 0.14616 b | 0.99996 | 0.543635 b | 0.0097979 b | 0.0011698 b |

| | | |
|-------------------------|--|-------------------------|
| << 50-Sn-120 | 50-Sn-122 | 51-Sb-121 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (In122 production) | MT107 (n, α) >> |



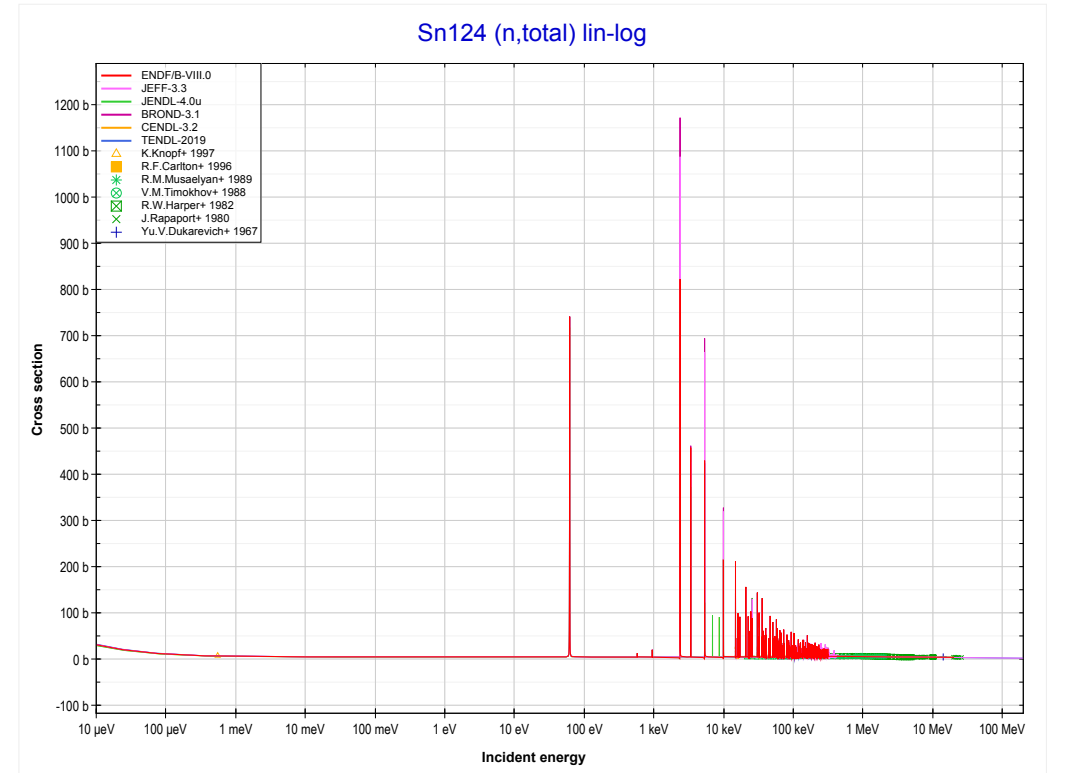
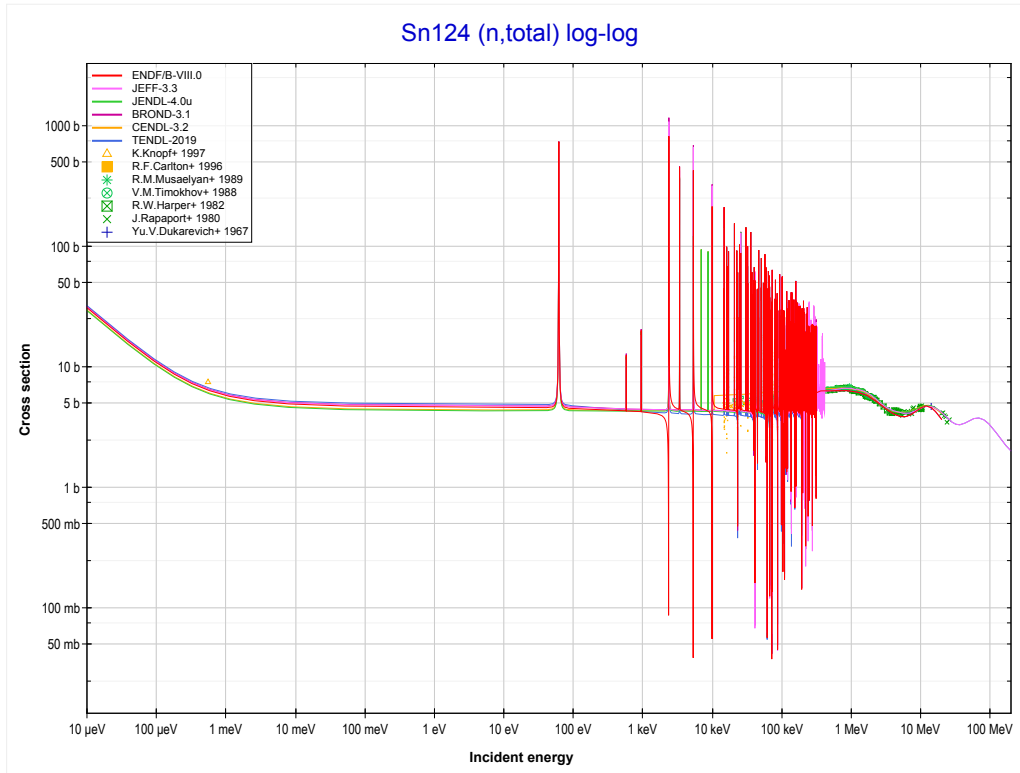
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.46673E-7 b | 7.14506E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.4124E-7 b | 6.51127E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.34659E-7 b | 6.6478E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.46673E-7 b | 7.14506E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.3761E-7 b | 0.0013117 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.41209E-7 b | 6.51097E-4 b |

| | | |
|----------------|--|----------------------------|
| << 50-Sn-120 | 50-Sn-122 | 52-Te-123 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Cd119 production) | 50-Sn-124 MT1 (n,total) >> |



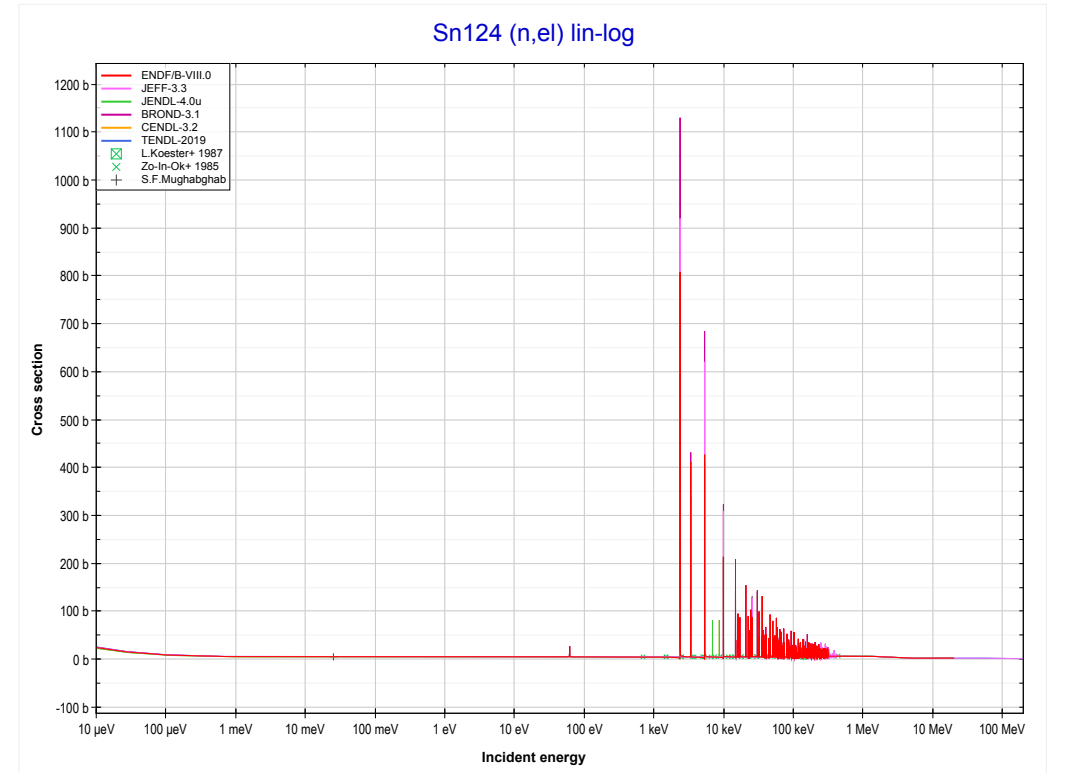
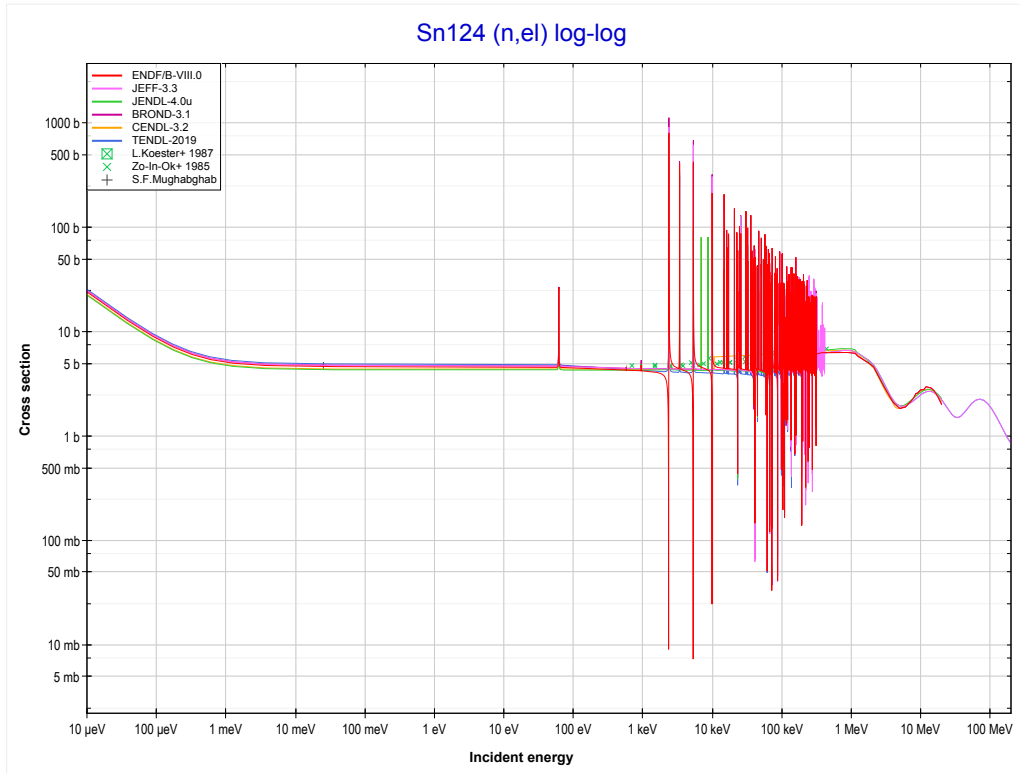
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67541E-8 b | 4.41898E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17506E-8 b | 7.66907E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.40222E-8 b | 1.44094E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67541E-8 b | 4.41898E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28551E-8 b | 2.4852E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.11955E-8 b | 9.25334E-5 b |

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|-----------------------------------|----------------------|--------------------|
| << 50-Sn-122 | 50-Sn-124 | 51-Sb-121 >> |
| << 50-Sn-122 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



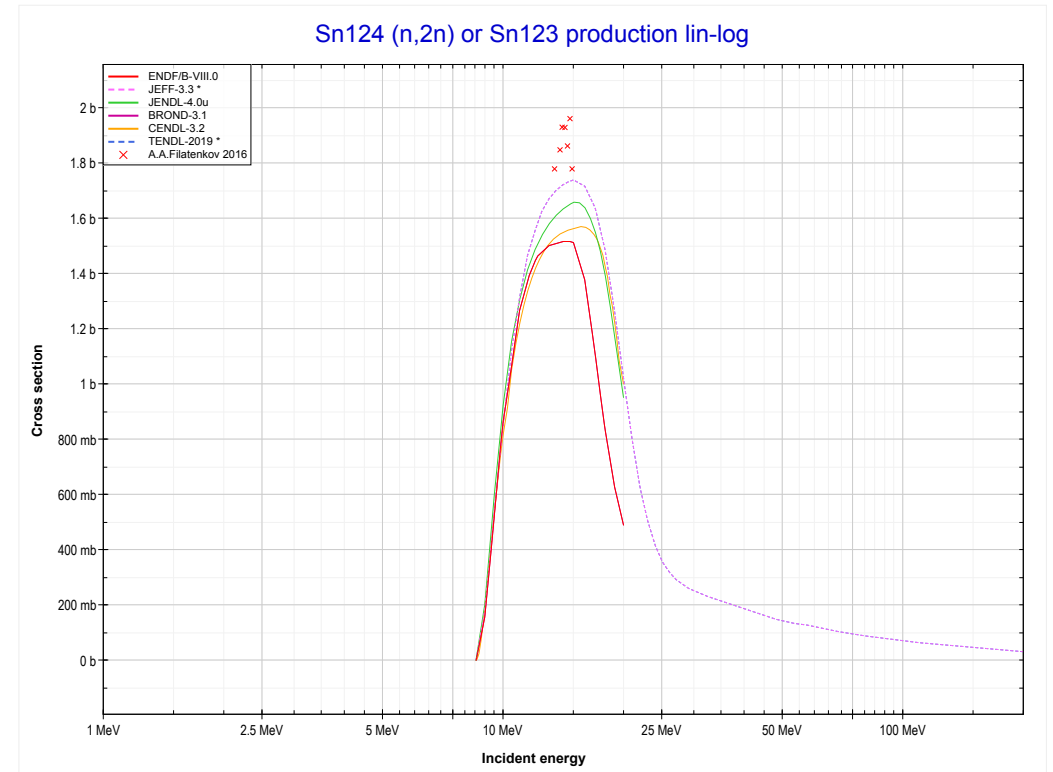
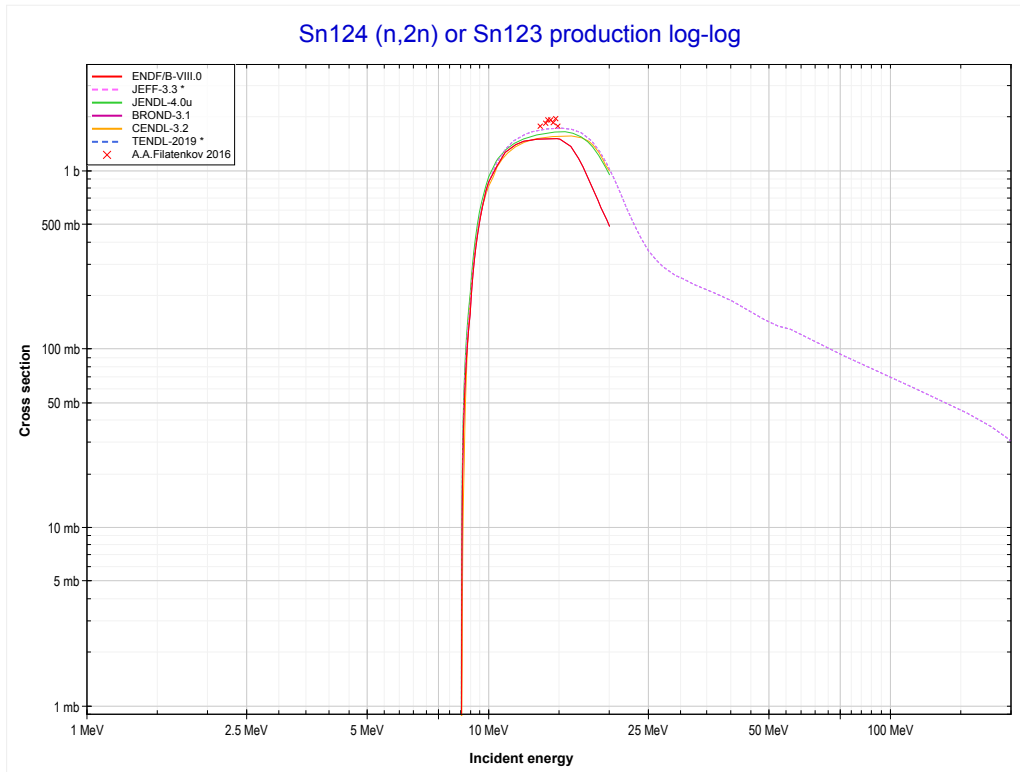
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.79761 b | 4.79761 b | 5.396 b | 1.12472 | 68.3817 b | 5.49835 b | 4.63822 b |
| JEFF-3.3 | 4.9158 b | 4.9158 b | 5.5302 b | 1.12499 | 69.0759 b | 5.70933 b | 4.71218 b |
| JENDL-4.0u | 4.4802 b | 4.4802 b | 5.0378 b | 1.12446 | 65.4946 b | 5.8618 b | 4.79673 b |
| BROND-3.1 | 4.93904 b | 4.93904 b | 5.5559 b | 1.1249 | 69.6802 b | 5.50026 b | 4.63822 b |
| CENDL-3.2 | 4.55325 b | 4.55325 b | 5.1205 b | 1.12459 | 67.9631 b | 5.73654 b | 4.763 b |
| TENDL-2019 | 5.07566 b | 5.07566 b | 5.7104 b | 1.12506 | 68.7641 b | 5.71171 b | 4.71217 b |

| | | |
|------------------|------------------------|----------------|
| << 50-Sn-122 | 50-Sn-124 | 51-Sb-121 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



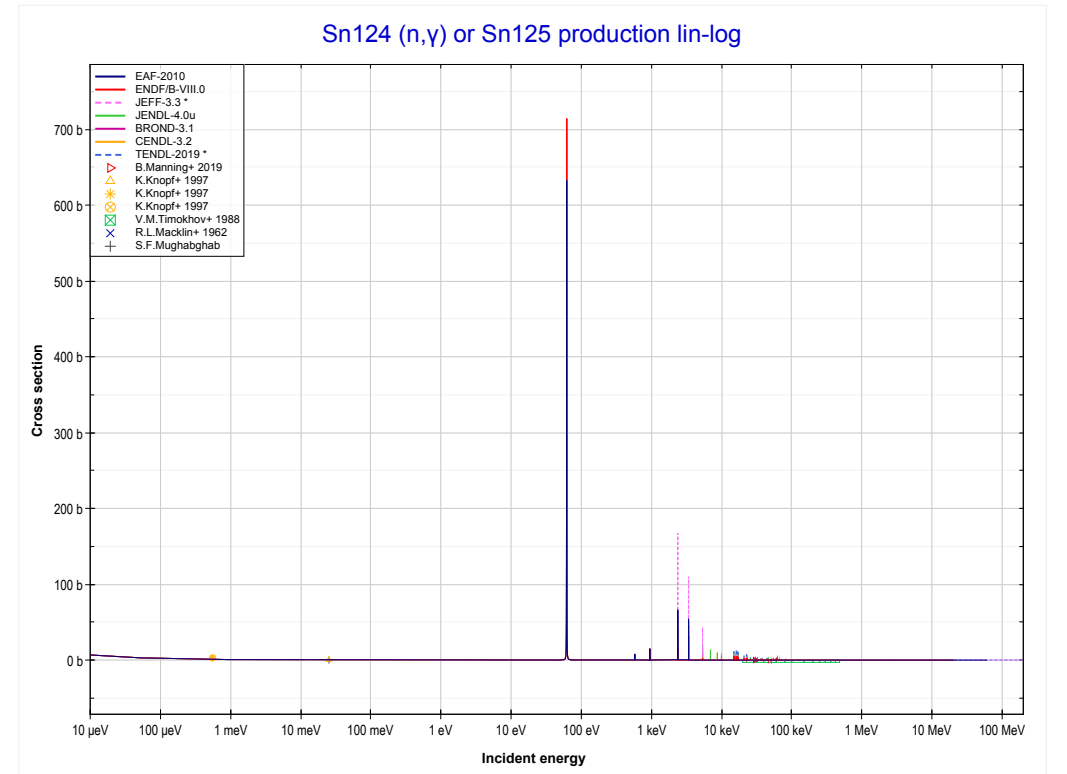
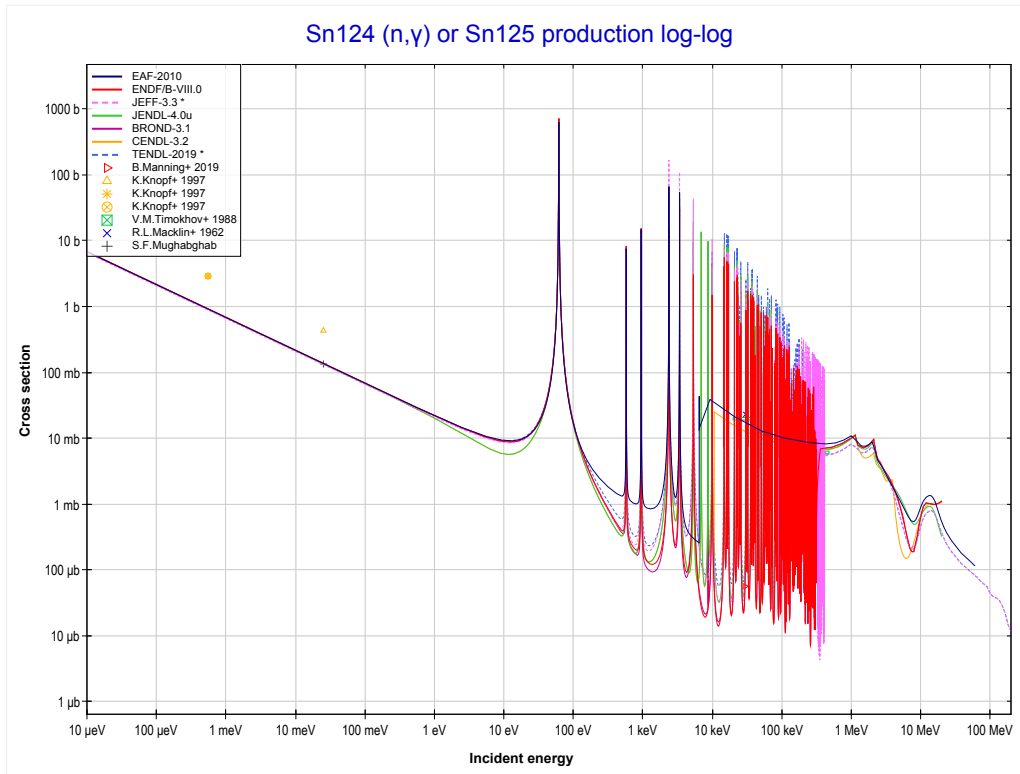
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.66099 b | 4.66099 b | 5.2593 b | 1.12836 | 60.3866 b | 4.7526 b | 2.92906 b |
| JEFF-3.3 | 4.78625 b | 4.78625 b | 5.4006 b | 1.12836 | 60.9172 b | 4.94957 b | 2.6986 b |
| JENDL-4.0u | 4.34453 b | 4.34453 b | 4.9022 b | 1.12837 | 57.6533 b | 5.02747 b | 2.8088 b |
| BROND-3.1 | 4.80528 b | 4.80528 b | 5.4221 b | 1.12836 | 61.6617 b | 4.75448 b | 2.92906 b |
| CENDL-3.2 | 4.41779 b | 4.41779 b | 4.9852 b | 1.12843 | 60.1357 b | 4.85735 b | 2.7978 b |
| TENDL-2019 | 4.94198 b | 4.94198 b | 5.5767 b | 1.12843 | 60.557 b | 4.95145 b | 2.6986 b |

| | | |
|--------------------|--|-------------------------|
| << 50-Sn-122 | 50-Sn-124 | 51-Sb-121 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sn123 production) | MT102 (n, γ) >> |



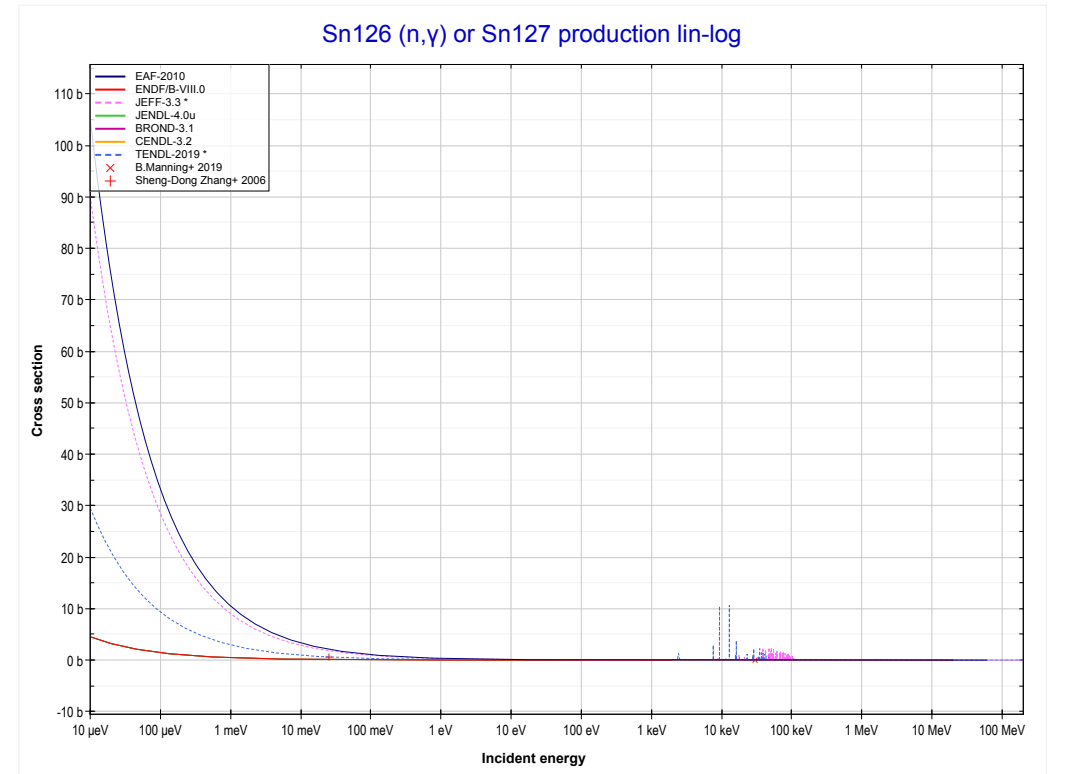
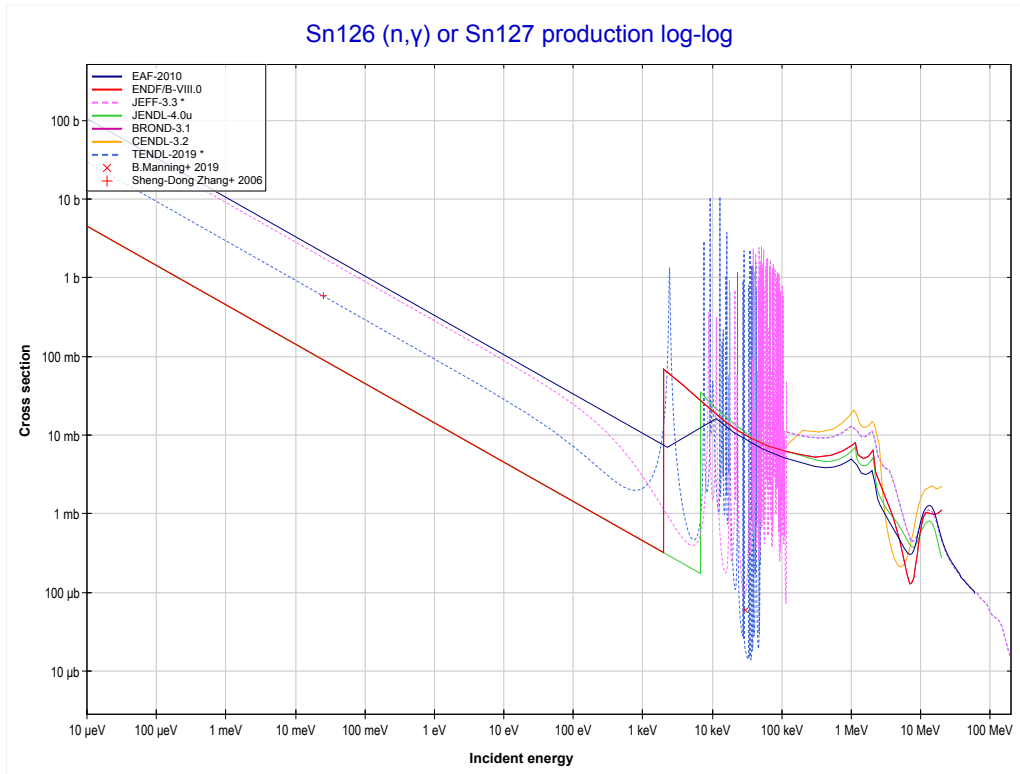
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00347097 b | 1.51524 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00368338 b | 1.71813 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00376767 b | 1.62971 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00347097 b | 1.51524 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00343826 b | 1.5466 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00368515 b | 1.71829 b |

| | | |
|----------------|--|-----------------------------------|
| << 50-Sn-122 | 50-Sn-124 | 50-Sn-126 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sn125 production) | 50-Sn-126 MT102 (n, γ) >> |



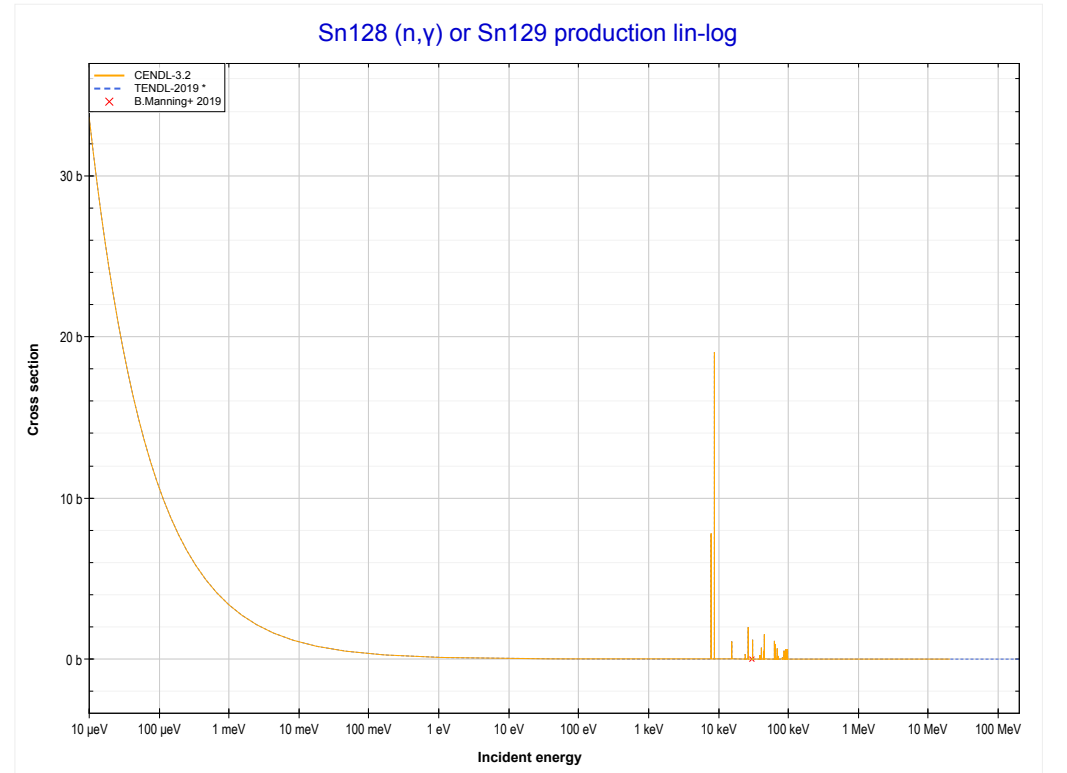
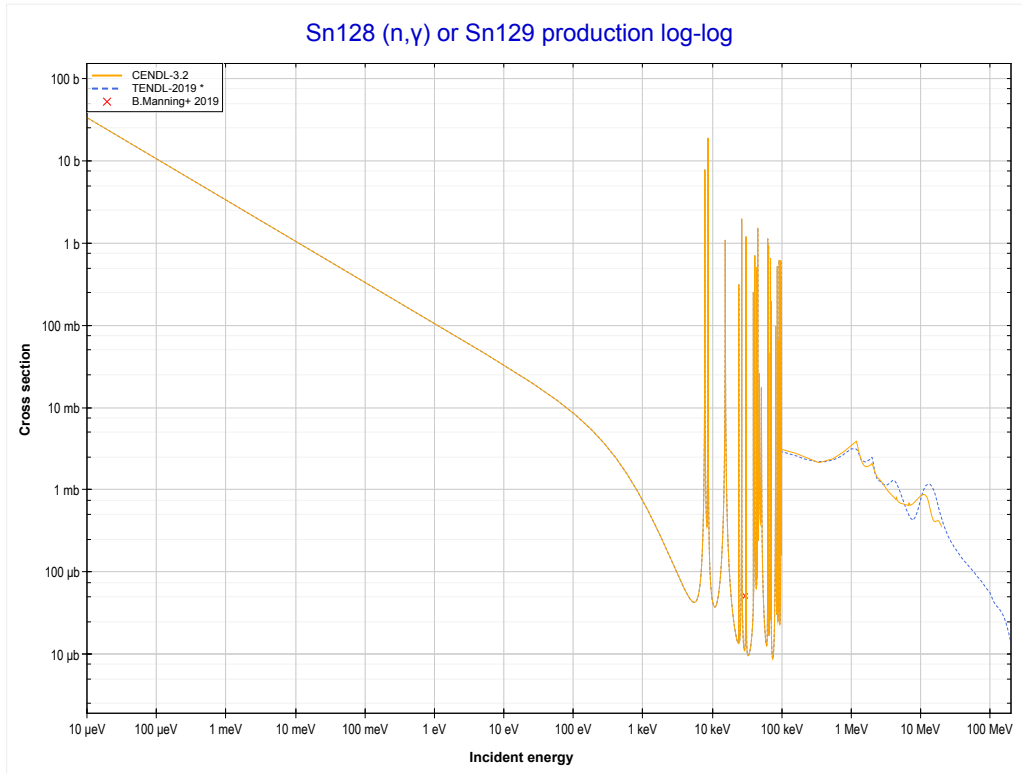
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.135 b | 0.134899 b | 0.13491 b | 1.00006 | 7.26682 b | 0.0066656 b | 0.00134408 b |
| ENDF/B-VIII.0 | 0.136612 b | 0.136612 b | 0.1367 b | 1.00062 | 7.99509 b | 0.00591405 b | 0.00100019 b |
| JEFF-3.3 | 0.129555 b | 0.129555 b | 0.12964 b | 1.00063 | 8.15869 b | 0.00499485 b | 8.00366E-4 b |
| JENDL-4.0u | 0.135676 b | 0.135676 b | 0.13561 b | 0.99953 | 7.84125 b | 0.00603676 b | 9.1579E-4 b |
| BROND-3.1 | 0.133761 b | 0.133761 b | 0.13385 b | 1.00063 | 8.01848 b | 0.00594518 b | 0.00100019 b |
| CENDL-3.2 | 0.135461 b | 0.135461 b | 0.13535 b | 0.99915 | 7.82079 b | 0.00541648 b | 0.0010115 b |
| TENDL-2019 | 0.133675 b | 0.133675 b | 0.13372 b | 1.00037 | 8.20111 b | 0.00531408 b | 8.00057E-4 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 50-Sn-124 | 50-Sn-126 | 50-Sn-128 >> |
| << 50-Sn-124 MT102 (n, γ) | MT102 (n,γ) or MT5 (Sn127 production) | 50-Sn-128 MT102 (n, γ) >> |



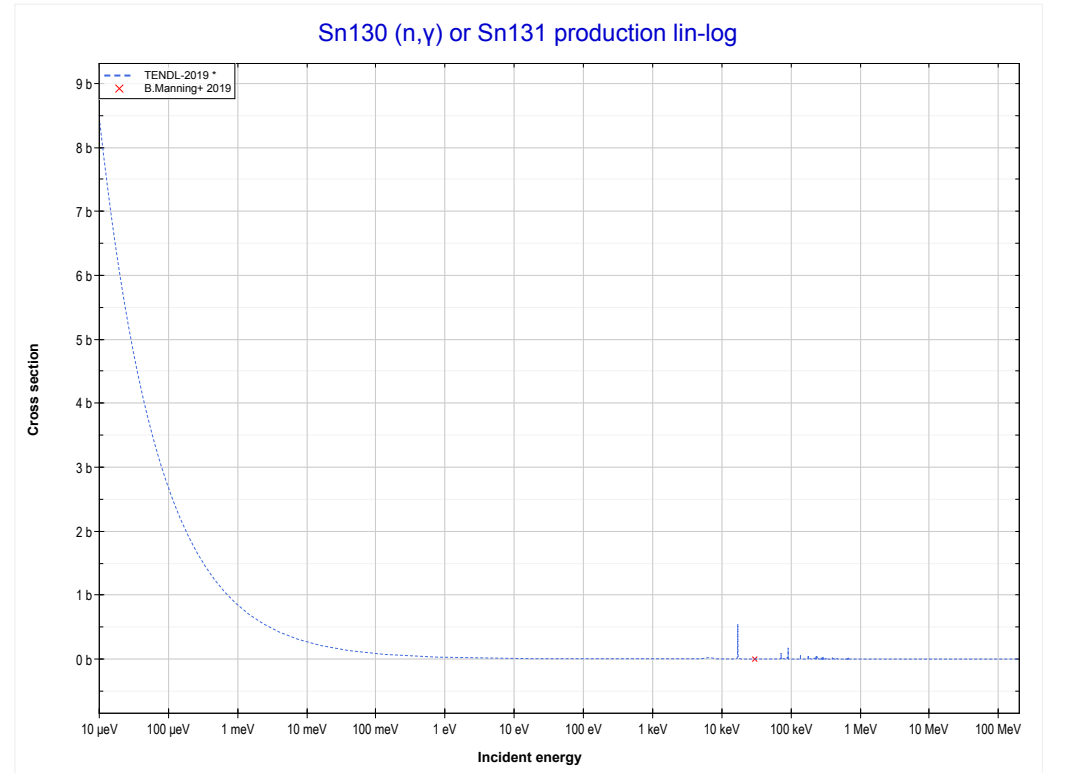
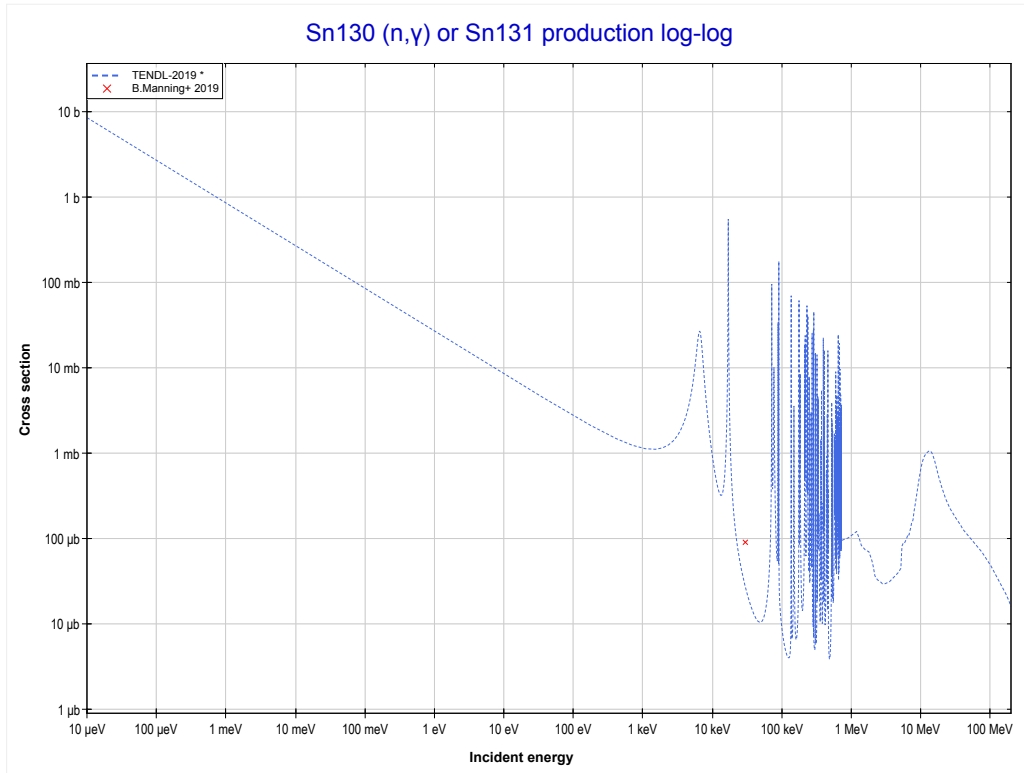
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.09124 b | 2.08968 b | 2.0898 b | 1.00004 | 0.966732 b | 0.00289948 b | 0.00126118 b |
| ENDF/B-VIII.0 | 0.090035 b | 0.090035 b | 0.090067 b | 1.00035 | 0.129749 b | 0.00441189 b | 0.00100006 b |
| JEFF-3.3 | 1.79225 b | 1.79225 b | 1.7929 b | 1.00038 | 0.804058 b | 0.0080735 b | 0.0010965 b |
| JENDL-4.0u | 0.0900261 b | 0.0900261 b | 0.090062 b | 1.0004 | 0.0791723 b | 0.00369241 b | 7.98523E-4 b |
| BROND-3.1 | 0.0900261 b | 0.0900261 b | 0.090062 b | 1.0004 | 0.129749 b | 0.00441203 b | 0.00100006 b |
| CENDL-3.2 | 0.090035 b | 0.090035 b | 0.090037 b | 1.00002 | 0.12958 b | 0.00997467 b | 0.00222696 b |
| TENDL-2019 | 0.58748 b | 0.58748 b | 0.58749 b | 1.00001 | 0.378786 b | 0.00800877 b | 0.00109565 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 50-Sn-126 | 50-Sn-128 | 50-Sn-130 >> |
| << 50-Sn-126 MT102 (n, γ) | MT102 (n,γ) or MT5 (Sn129 production) | 50-Sn-130 MT102 (n, γ) >> |



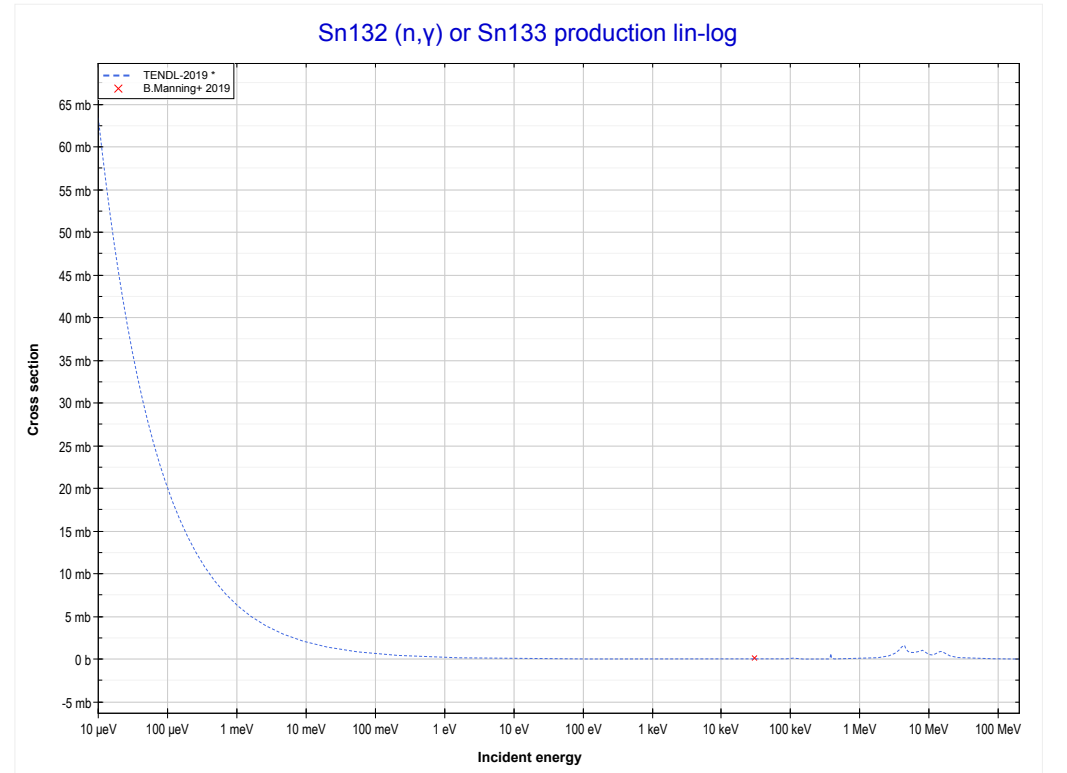
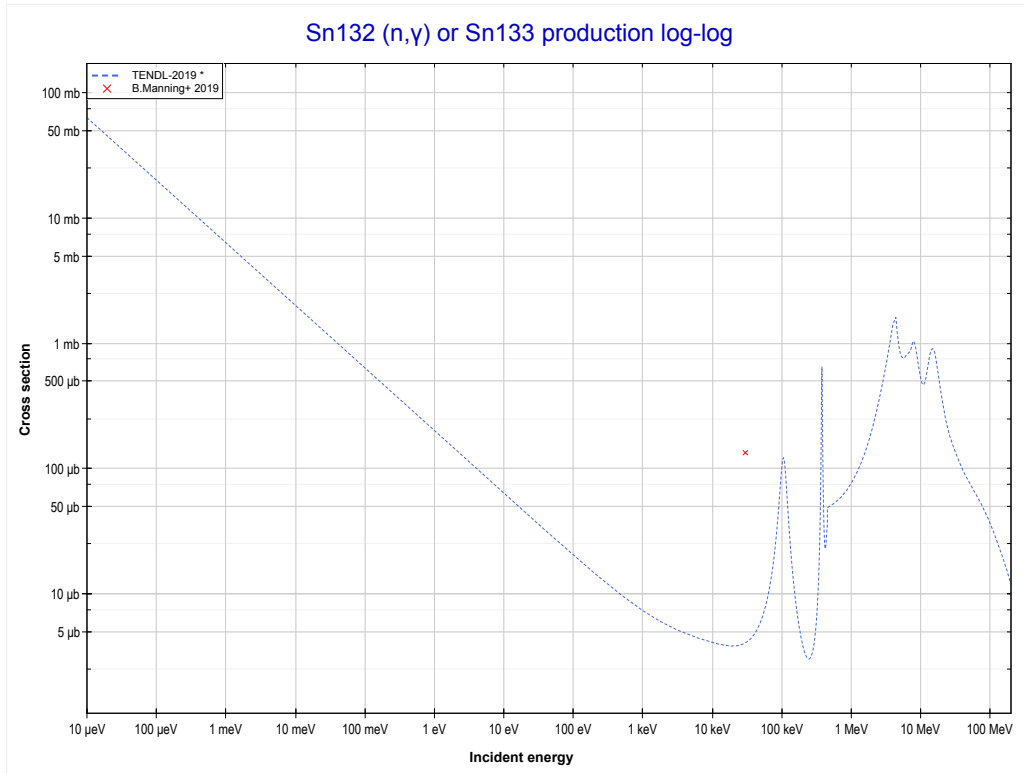
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0.668088 b | 0.668088 b | 0.6681 b | 1.00002 | 0.315957 b | 0.00204526 b | 5.40807E-4 b |
| TENDL-2019 | 0.668088 b | 0.668088 b | 0.6681 b | 1.00002 | 0.315956 b | 0.00204232 b | 0.00114741 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 50-Sn-128 | 50-Sn-130 | 50-Sn-132 >> |
| << 50-Sn-128 MT102 (n, γ) | MT102 (n,γ) or MT5 (Sn131 production) | 50-Sn-132 MT102 (n, γ) >> |



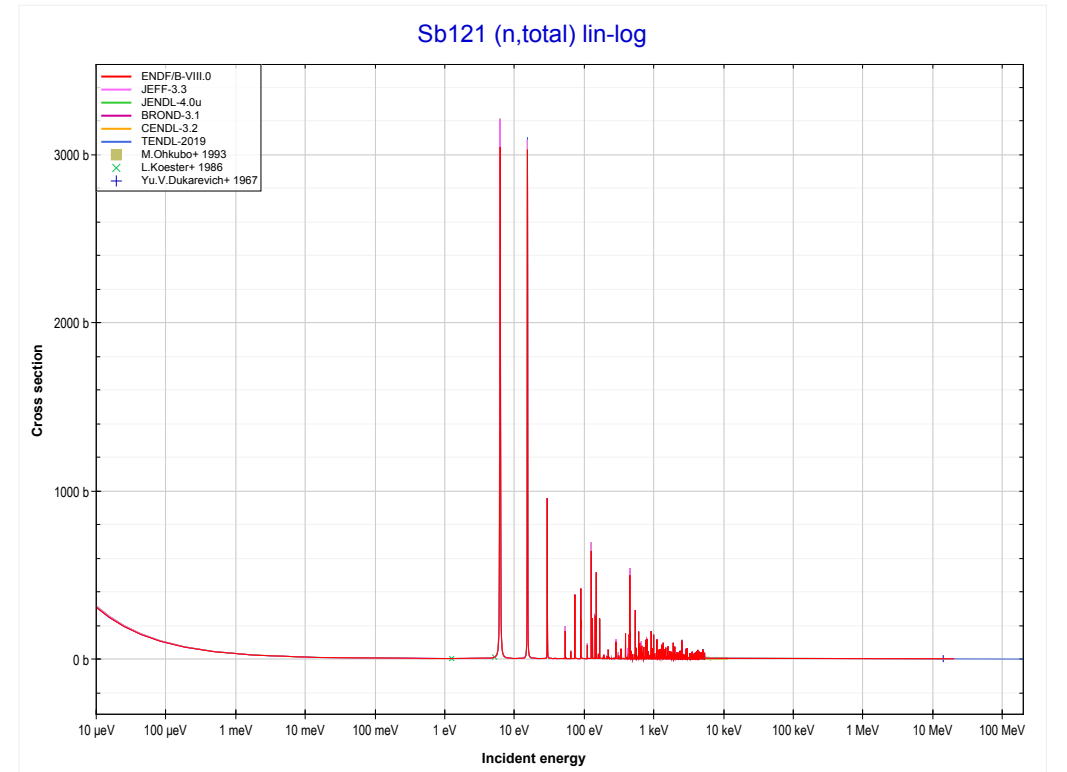
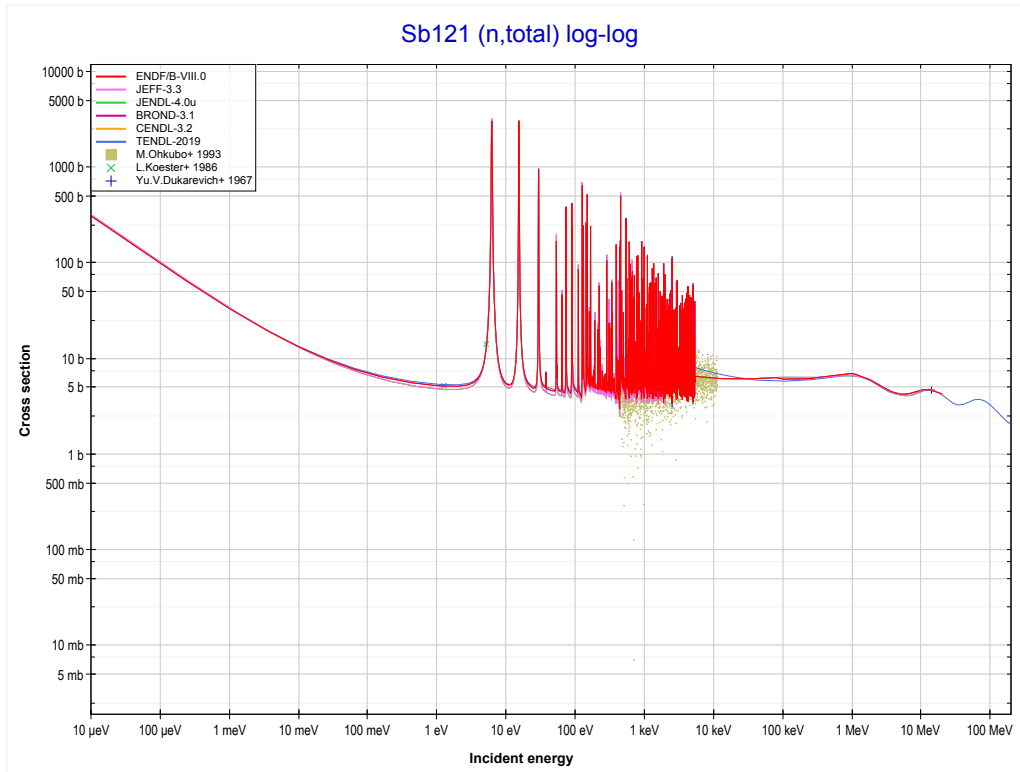
| | |
|--------------------------|----------------|
| Reaction | Q-Value |
| Sn130(n, γ)Sn131 | 5204.12 keV |

| | | |
|-----------------------------------|--|----------------------------|
| << 50-Sn-130 | 50-Sn-132 | 51-Sb-121 >> |
| << 50-Sn-130 MT102 (n, γ) | MT102 (n,γ) or MT5 (Sn133 production) | 51-Sb-121 MT1 (n,total) >> |



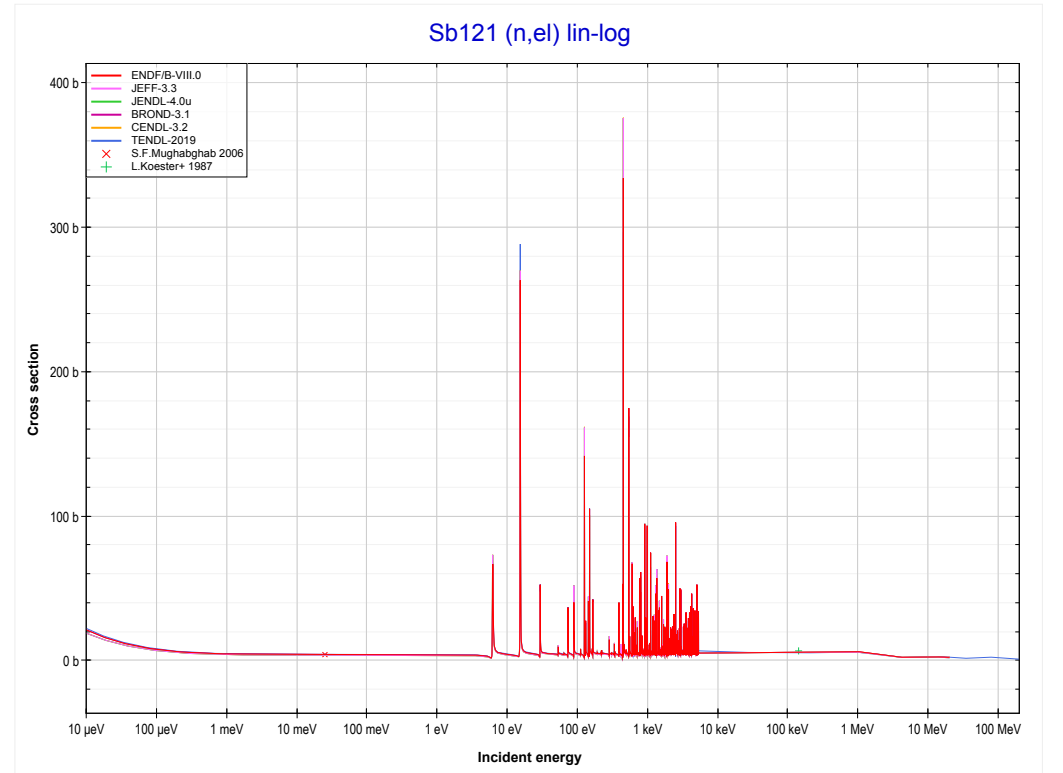
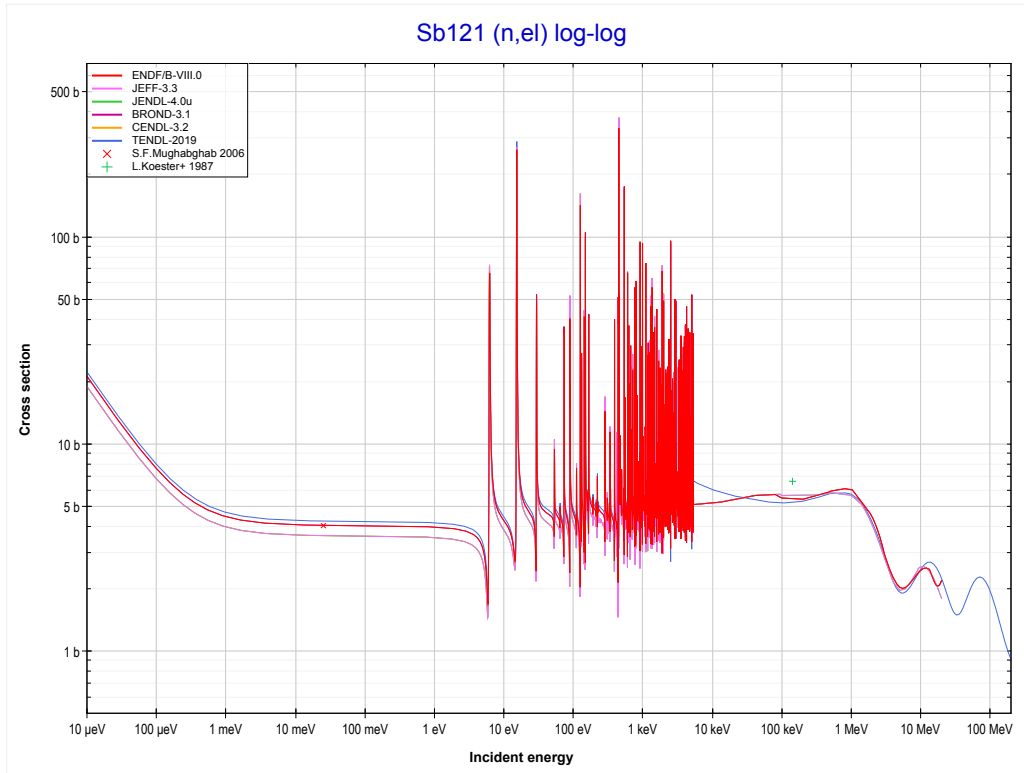
| | |
|--------------------------|----------------|
| Reaction | Q-Value |
| Sn132(n, γ)Sn133 | 2398.72 keV |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 50-Sn-124 | 51-Sb-121 | 51-Sb-123 >> |
| << 50-Sn-132 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



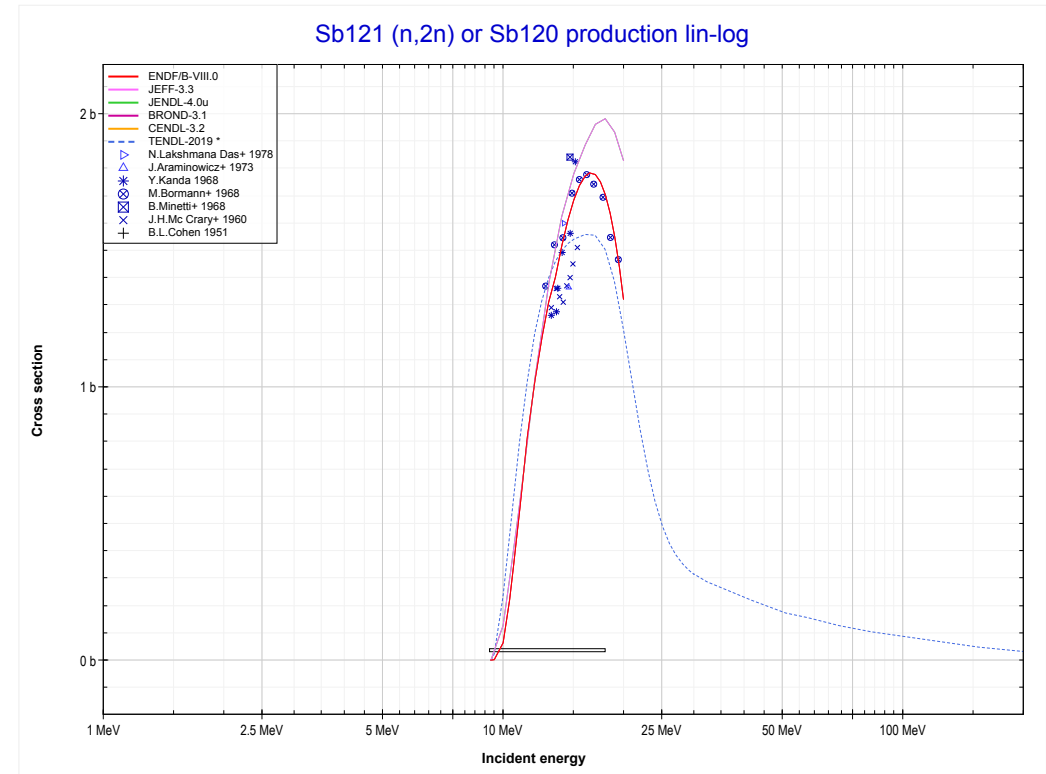
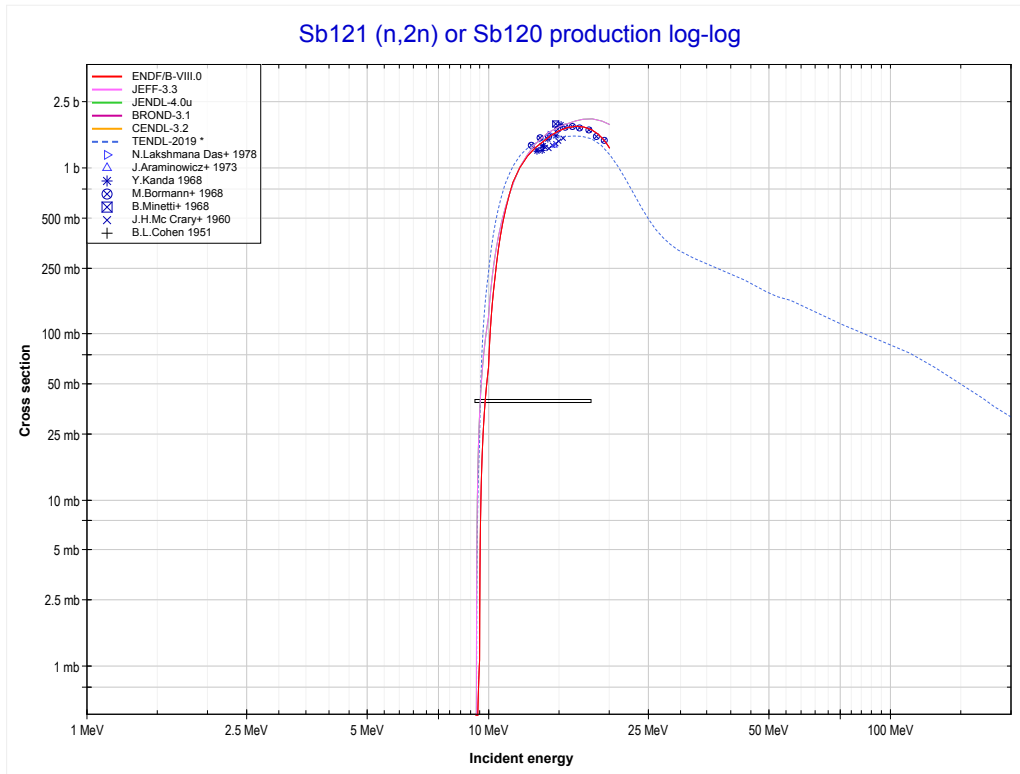
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.81532 b | 9.81532 b | 10.354 b | 1.0549 | 278.366 b | 5.84418 b | 4.68604 b |
| JEFF-3.3 | 9.59879 b | 9.59879 b | 10.083 b | 1.0504 | 282.324 b | 5.77534 b | 4.70995 b |
| JENDL-4.0u | 9.59879 b | 9.59879 b | 10.083 b | 1.05039 | 282.324 b | 5.77534 b | 4.70995 b |
| BROND-3.1 | 9.81532 b | 9.81532 b | 10.354 b | 1.0549 | 278.366 b | 5.84418 b | 4.68604 b |
| CENDL-3.2 | 9.59725 b | 9.59725 b | 10.079 b | 1.05021 | 282.287 b | 5.84475 b | 4.686 b |
| TENDL-2019 | 10.008 b | 10.008 b | 10.57 b | 1.05615 | 280.993 b | 5.66298 b | 4.65575 b |

| | | |
|------------------|------------------------|----------------|
| << 50-Sn-124 | 51-Sb-121 | 51-Sb-123 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



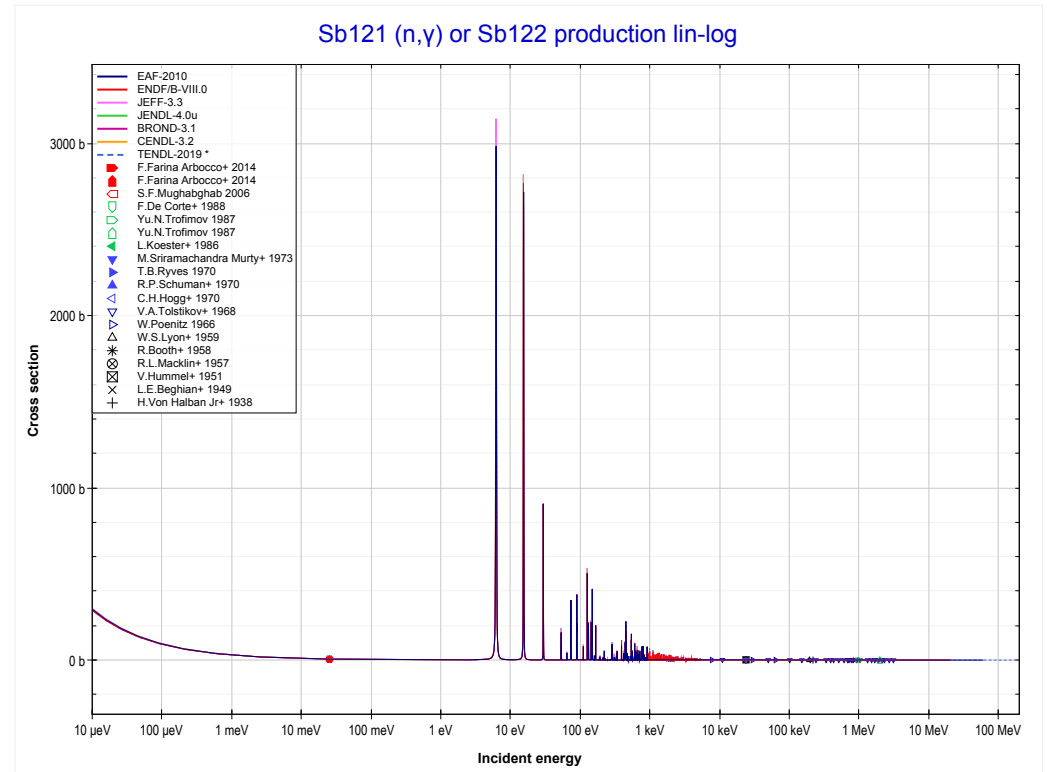
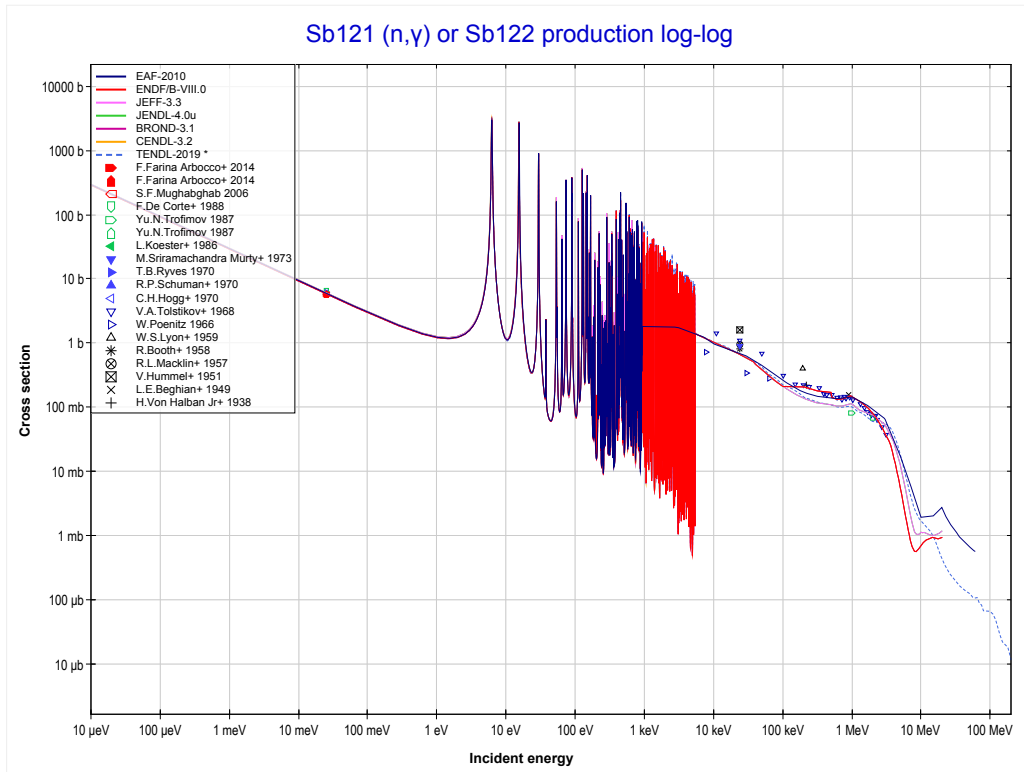
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.04257 b | 4.04257 b | 4.56 b | 1.12801 | 72.5806 b | 4.52869 b | 2.3954 b |
| JEFF-3.3 | 3.60527 b | 3.60527 b | 4.0666 b | 1.12797 | 68.4511 b | 4.33819 b | 2.37643 b |
| JENDL-4.0u | 3.60527 b | 3.60527 b | 4.0666 b | 1.12797 | 68.4511 b | 4.33819 b | 2.37643 b |
| BROND-3.1 | 4.04257 b | 4.04257 b | 4.56 b | 1.12801 | 72.5806 b | 4.52869 b | 2.3954 b |
| CENDL-3.2 | 3.60527 b | 3.60527 b | 4.0669 b | 1.12804 | 68.4284 b | 4.52873 b | 2.3954 b |
| TENDL-2019 | 4.24002 b | 4.24002 b | 4.7831 b | 1.12808 | 74.9901 b | 4.36793 b | 2.68438 b |

| | | |
|--------------------|--|-------------------------|
| << 50-Sn-124 | 51-Sb-121 | 51-Sb-123 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sb120 production) | MT102 (n, γ) >> |



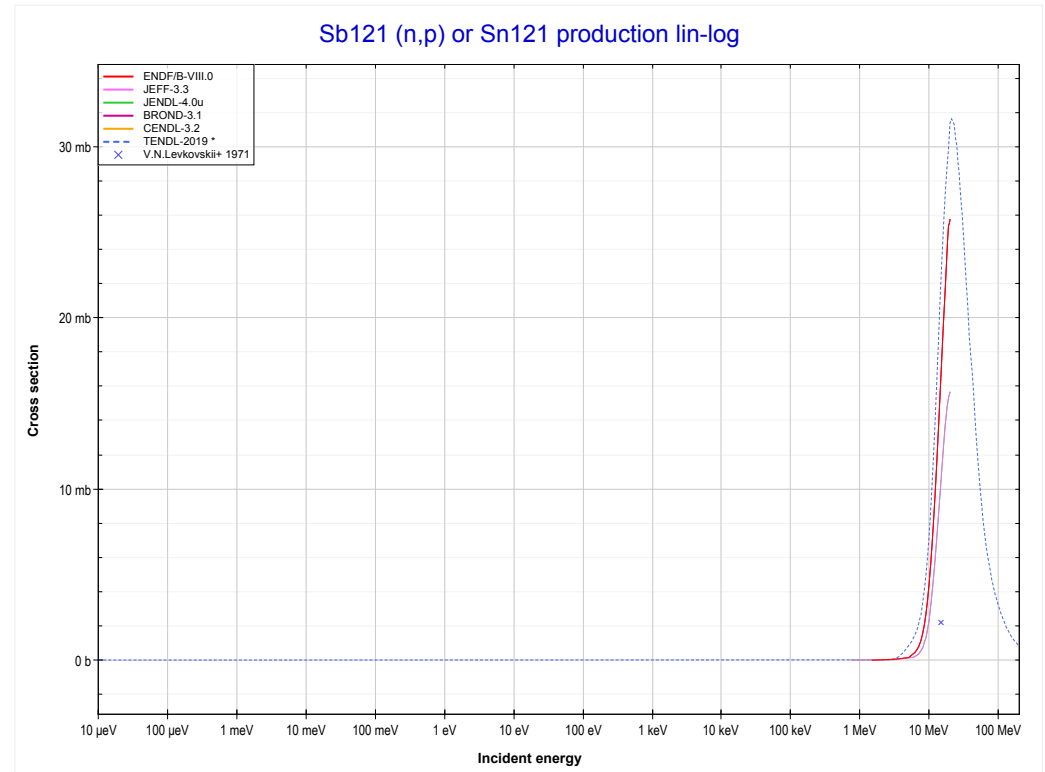
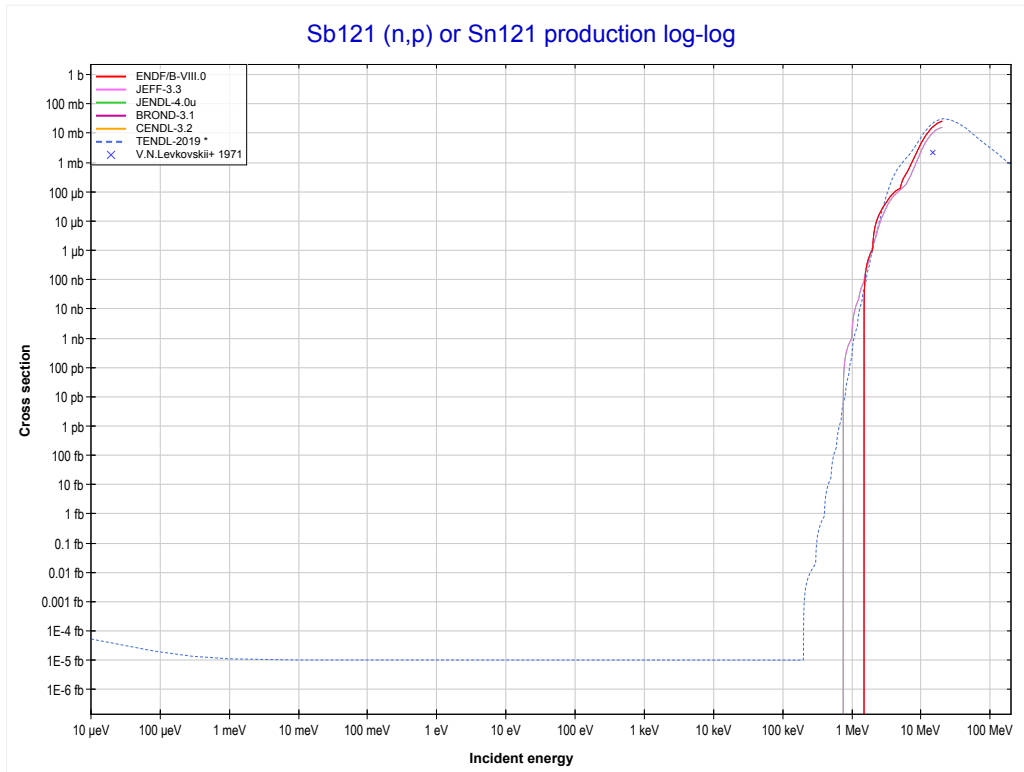
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00132152 b | 1.5124 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145914 b | 1.62056 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145914 b | 1.62056 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00132152 b | 1.5124 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00132152 b | 1.5124 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00176064 b | 1.49798 b |

| | | |
|----------------|--|----------------|
| << 50-Sn-132 | 51-Sb-121 | 51-Sb-123 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sb122 production) | MT103 (n,p) >> |



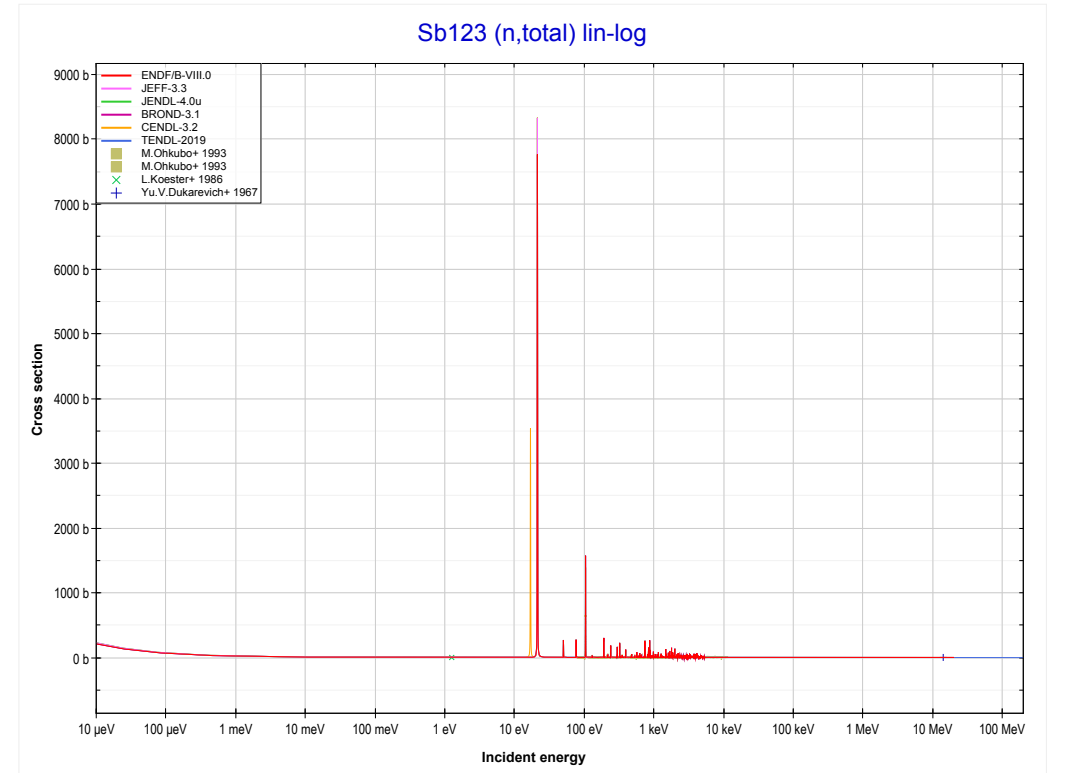
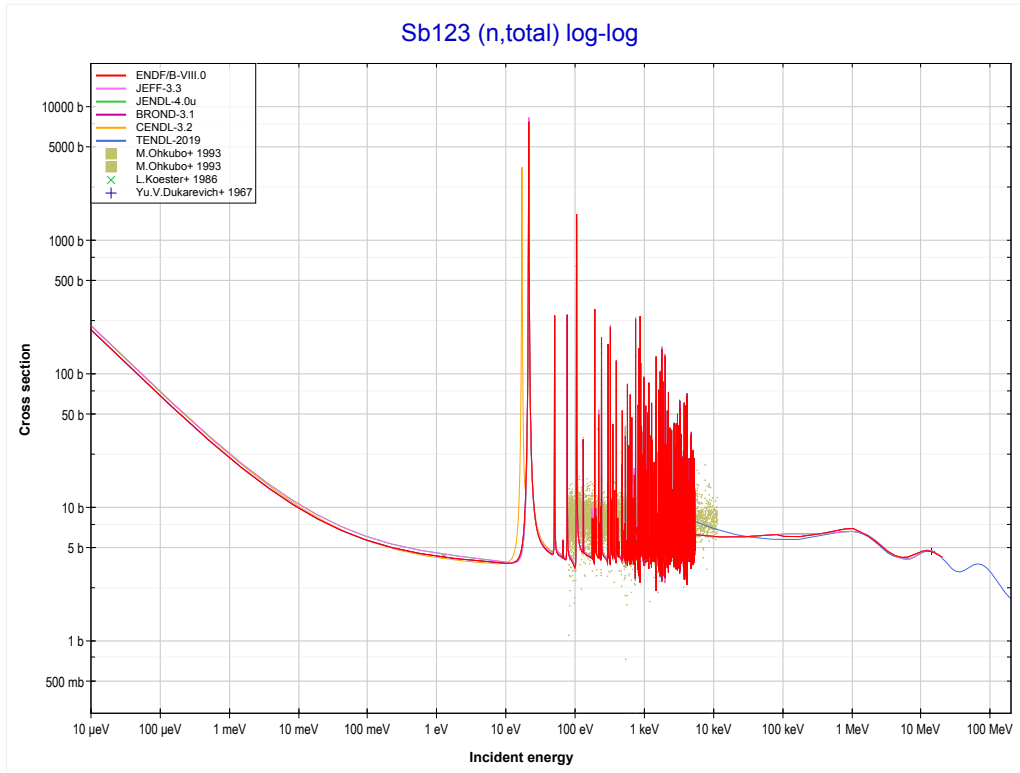
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.92005 b | 5.91568 b | 5.9329 b | 1.00293 | 206.249 b | 0.105688 b | 0.001992 b |
| ENDF/B-VIII.0 | 5.77275 b | 5.77275 b | 5.7941 b | 1.0037 | 205.548 b | 0.10036 b | 9.2E-4 b |
| JEFF-3.3 | 5.99352 b | 5.99352 b | 6.0159 b | 1.00373 | 213.634 b | 0.0831469 b | 0.00100408 b |
| JENDL-4.0u | 5.99352 b | 5.99352 b | 6.0159 b | 1.00373 | 213.634 b | 0.0831469 b | 0.00100408 b |
| BROND-3.1 | 5.77275 b | 5.77275 b | 5.7941 b | 1.0037 | 205.548 b | 0.10036 b | 9.2E-4 b |
| CENDL-3.2 | 5.99198 b | 5.99198 b | 6.0122 b | 1.00338 | 213.608 b | 0.100542 b | 9.2E-4 b |
| TENDL-2019 | 5.76798 b | 5.76798 b | 5.7869 b | 1.00328 | 205.777 b | 0.0805079 b | 0.00112826 b |

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|-------------------------|--|----------------------------|
| << 50-Sn-122 | 51-Sb-121 | 51-Sb-123 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sn121 production) | 51-Sb-123 MT1 (n,total) >> |



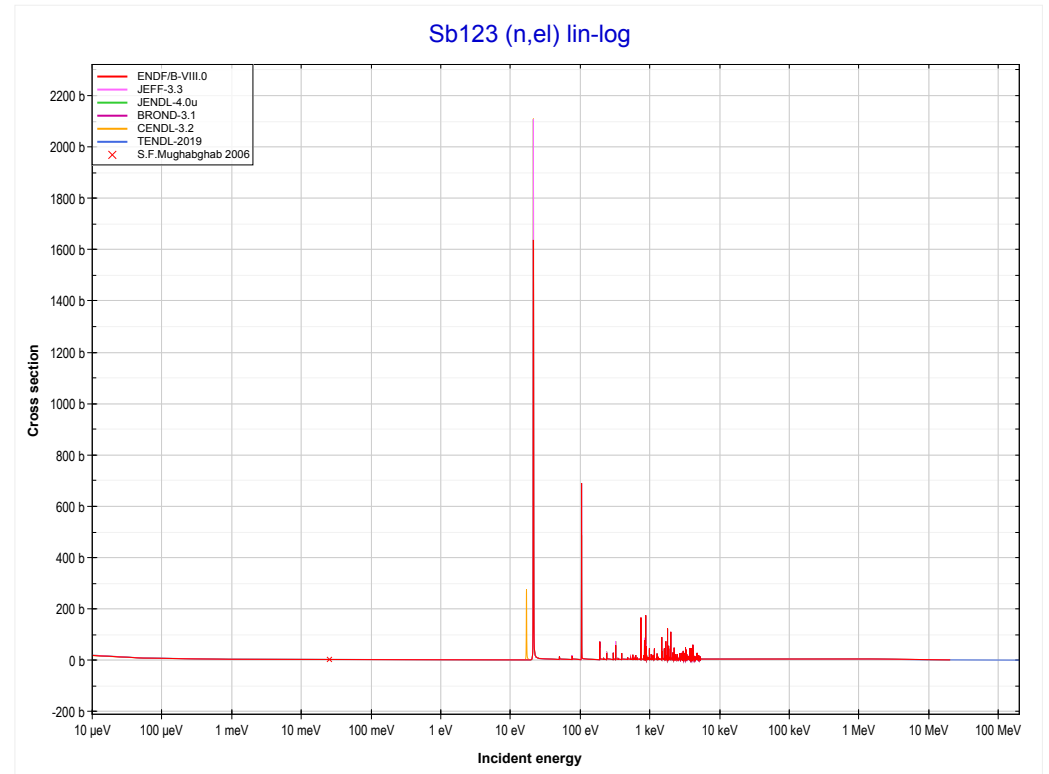
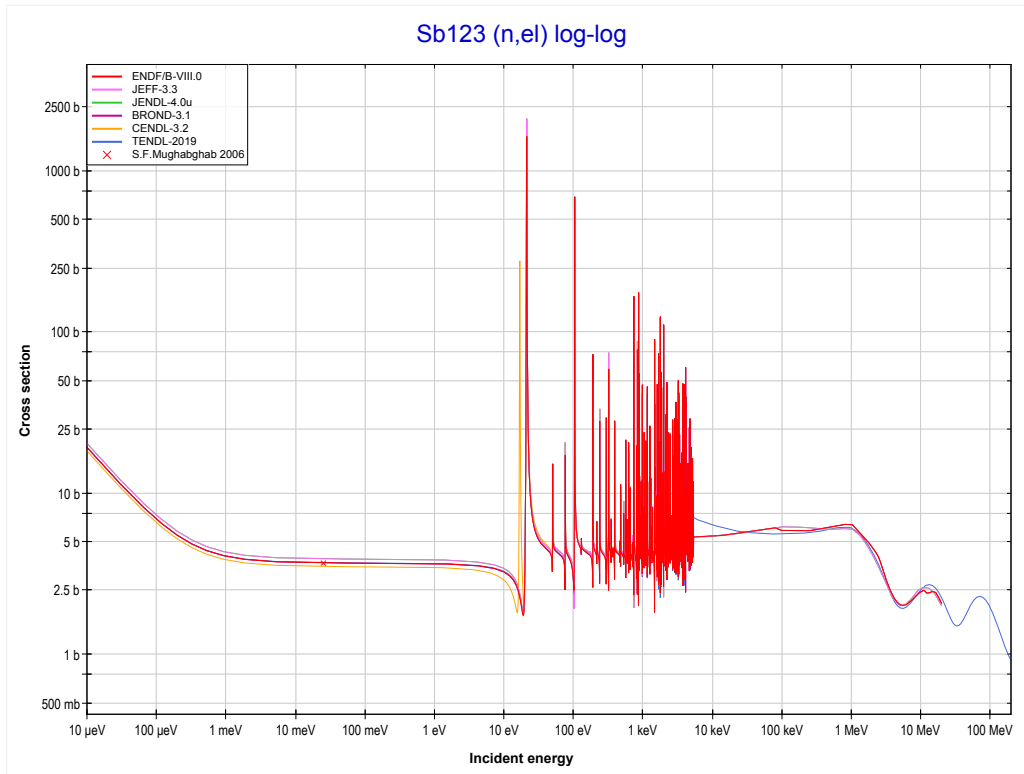
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.93597E-5 b | 0.01457 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91407E-5 b | 0.0091125 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.91407E-5 b | 0.0091125 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.93597E-5 b | 0.01457 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.93597E-5 b | 0.01457 b |
| TENDL-2019 | 1.0042E-20 b | 1.0042E-20 b | 1.1331E-20 b | 1.12841 | 1.22065E-19 b | 1.73765E-4 b | 0.0199712 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 51-Sb-121 | 51-Sb-123 | 52-Te-122 >> |
| << 51-Sb-121 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



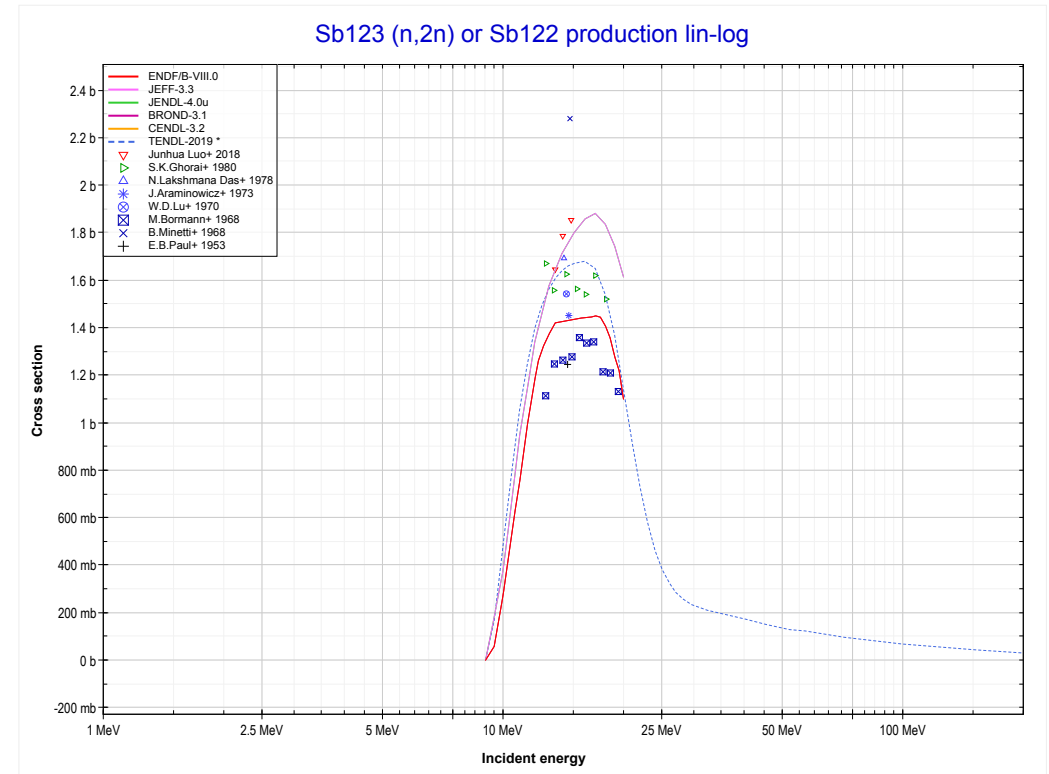
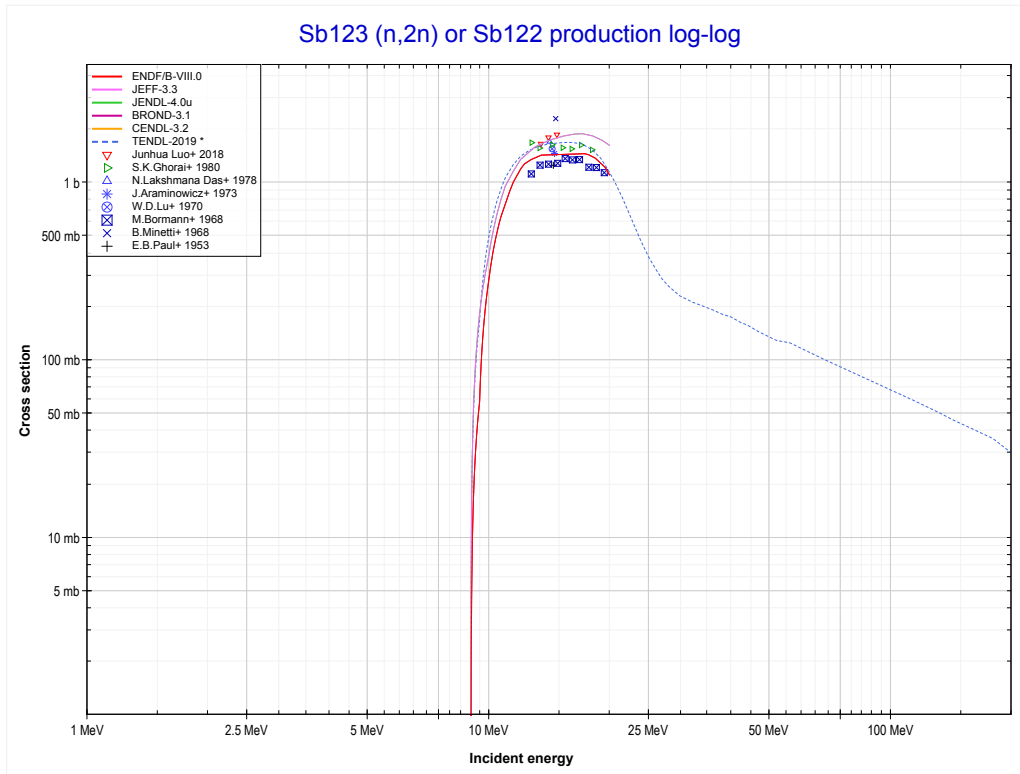
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.56853 b | 7.56853 b | 8.0462 b | 1.06311 | 217.976 b | 5.84029 b | 4.68601 b |
| JEFF-3.3 | 8.1026 b | 8.1026 b | 8.6061 b | 1.06214 | 218.347 b | 5.7931 b | 4.74356 b |
| JENDL-4.0u | 8.10259 b | 8.10259 b | 8.6061 b | 1.06214 | 218.347 b | 5.7931 b | 4.74356 b |
| BROND-3.1 | 7.56853 b | 7.56853 b | 8.0462 b | 1.06311 | 217.976 b | 5.84029 b | 4.68601 b |
| CENDL-3.2 | 7.70589 b | 7.70589 b | 8.1612 b | 1.05909 | 285.861 b | 5.84079 b | 4.686 b |
| TENDL-2019 | 7.61214 b | 7.61214 b | 8.0892 b | 1.06267 | 219.338 b | 5.6838 b | 4.687 b |

| | | |
|------------------|------------------------|----------------|
| << 51-Sb-121 | 51-Sb-123 | 52-Te-122 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



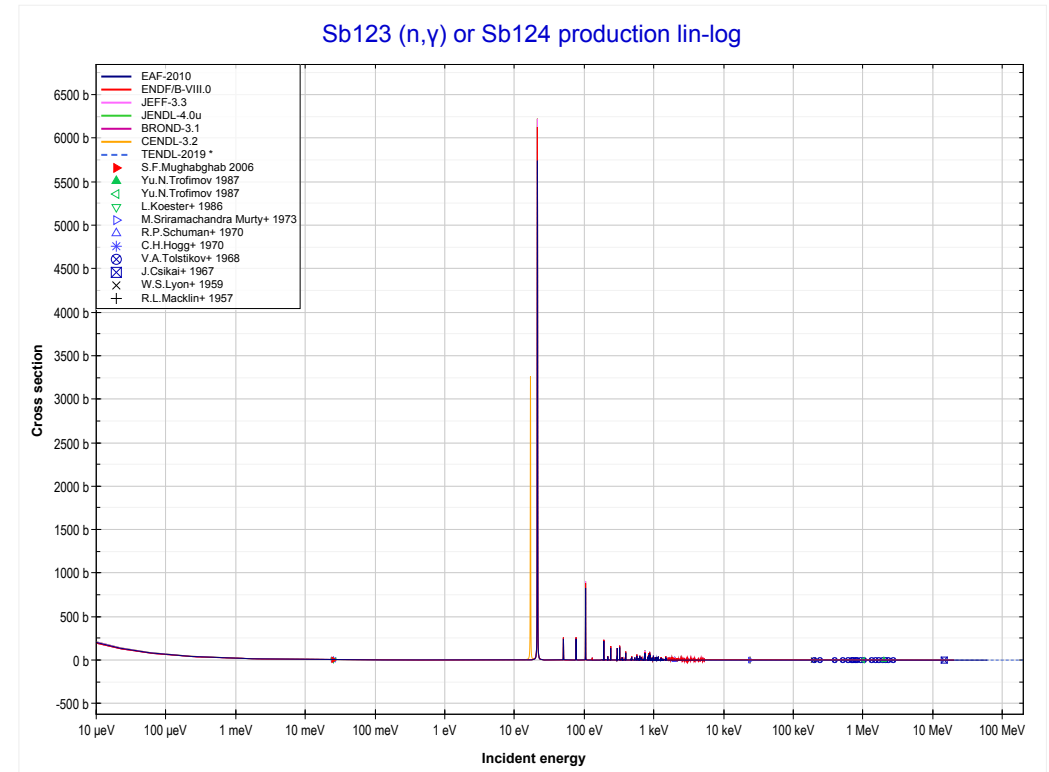
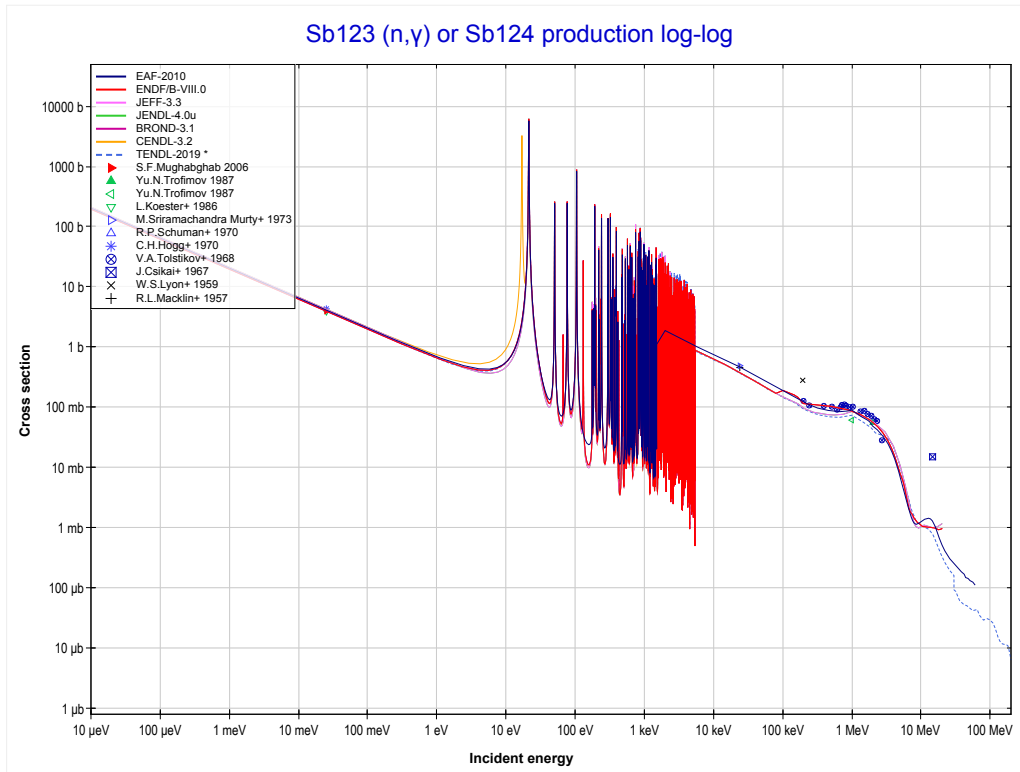
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.69347 b | 3.69347 b | 4.1668 b | 1.12815 | 90.4374 b | 4.75573 b | 2.4403 b |
| JEFF-3.3 | 3.91456 b | 3.91456 b | 4.4161 b | 1.12811 | 96.2661 b | 4.53567 b | 2.53013 b |
| JENDL-4.0u | 3.91456 b | 3.91456 b | 4.4161 b | 1.12811 | 96.2661 b | 4.53567 b | 2.53013 b |
| BROND-3.1 | 3.69347 b | 3.69347 b | 4.1668 b | 1.12815 | 90.4374 b | 4.75573 b | 2.4403 b |
| CENDL-3.2 | 3.50877 b | 3.50877 b | 3.9585 b | 1.12817 | 100.128 b | 4.756 b | 2.4403 b |
| TENDL-2019 | 3.70701 b | 3.70701 b | 4.1823 b | 1.12822 | 91.6573 b | 4.56262 b | 2.70273 b |

| | | |
|--------------------|--|-------------------------|
| << 51-Sb-121 | 51-Sb-123 | 52-Te-120 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sb122 production) | MT102 (n, γ) >> |



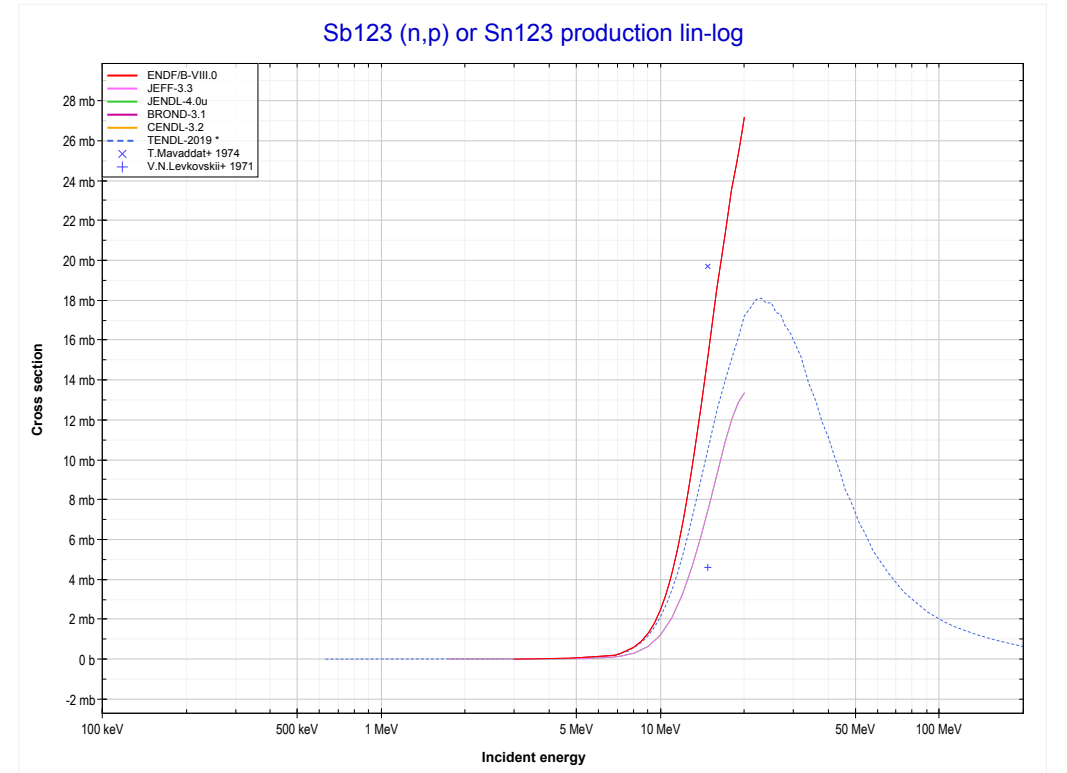
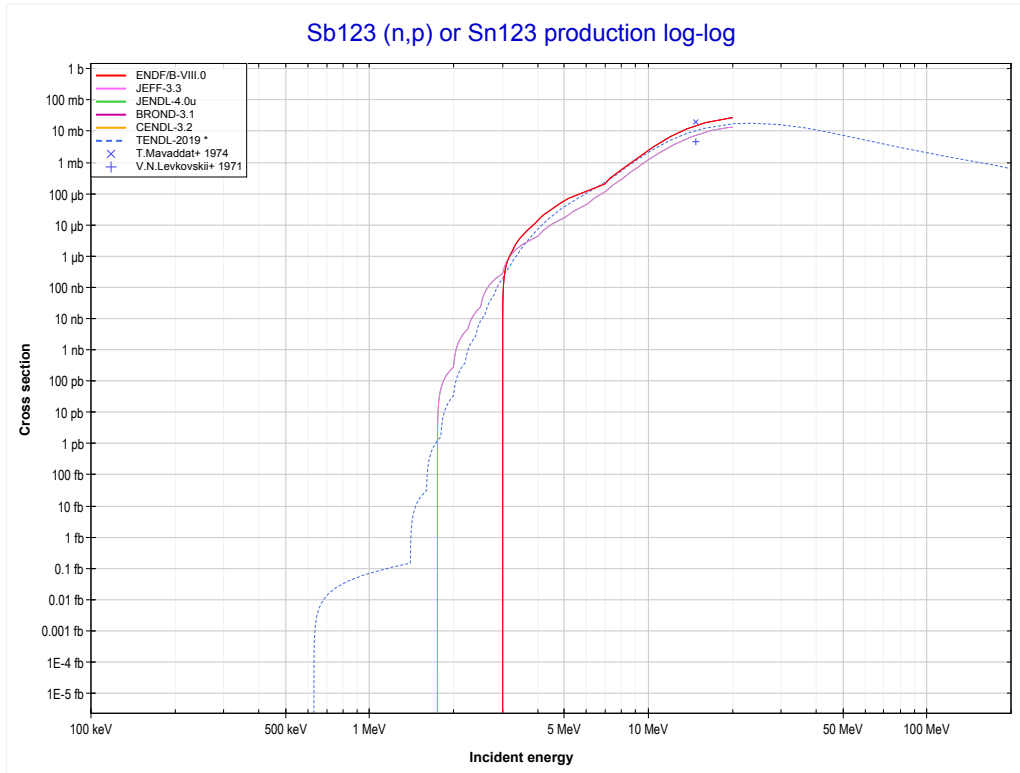
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178162 b | 1.425 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00226783 b | 1.70875 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00226783 b | 1.70875 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178162 b | 1.425 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178162 b | 1.425 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00244635 b | 1.63855 b |

| | | |
|----------------|--|----------------|
| << 51-Sb-121 | 51-Sb-123 | 51-Sb-124 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sb124 production) | MT103 (n,p) >> |



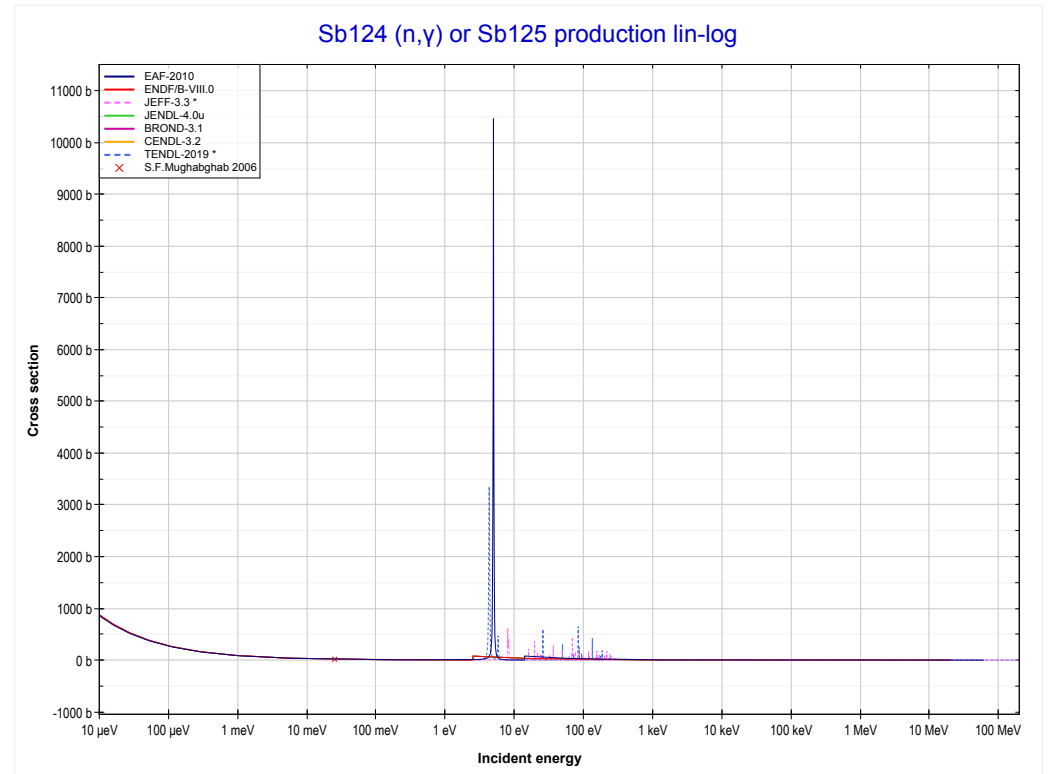
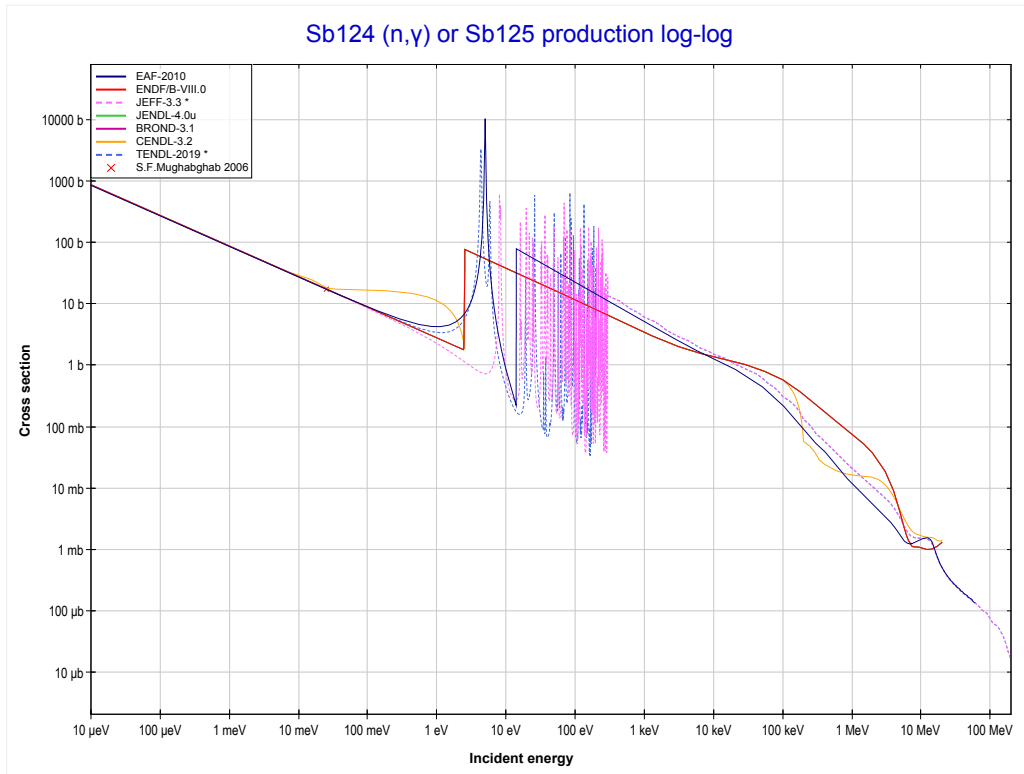
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.06 b | 4.05697 b | 4.0596 b | 1.00065 | 120.207 b | 0.0630505 b | 0.00136185 b |
| ENDF/B-VIII.0 | 3.87507 b | 3.87507 b | 3.8794 b | 1.00111 | 127.539 b | 0.0674688 b | 0.001 b |
| JEFF-3.3 | 4.18803 b | 4.18803 b | 4.1901 b | 1.00048 | 122.081 b | 0.0616993 b | 0.00100514 b |
| JENDL-4.0u | 4.18803 b | 4.18803 b | 4.1901 b | 1.00048 | 122.081 b | 0.0616993 b | 0.00100514 b |
| BROND-3.1 | 3.87507 b | 3.87507 b | 3.8794 b | 1.00111 | 127.539 b | 0.0674688 b | 0.001 b |
| CENDL-3.2 | 4.19712 b | 4.19712 b | 4.2027 b | 1.00133 | 185.724 b | 0.0675514 b | 0.001 b |
| TENDL-2019 | 3.90513 b | 3.90513 b | 3.9068 b | 1.00044 | 127.667 b | 0.0532768 b | 8.43405E-4 b |

| | | |
|-------------------------|--|-----------------------------------|
| << 51-Sb-121 | 51-Sb-123 | 52-Te-120 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sn123 production) | 51-Sb-124 MT102 (n, γ) >> |



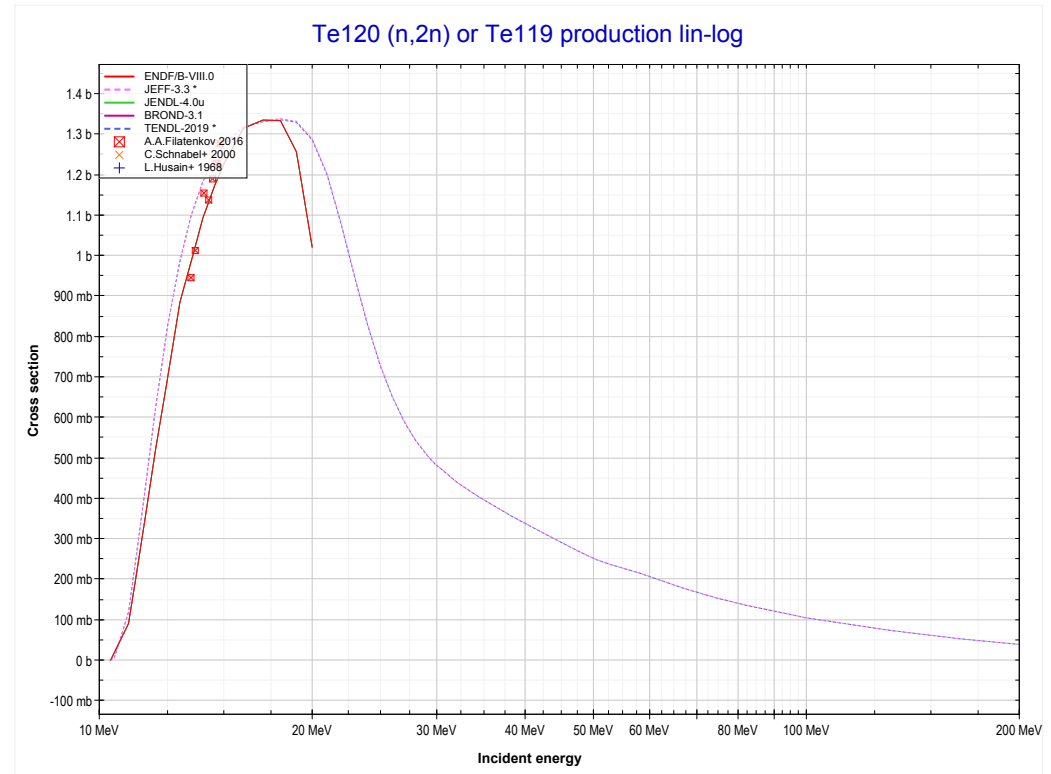
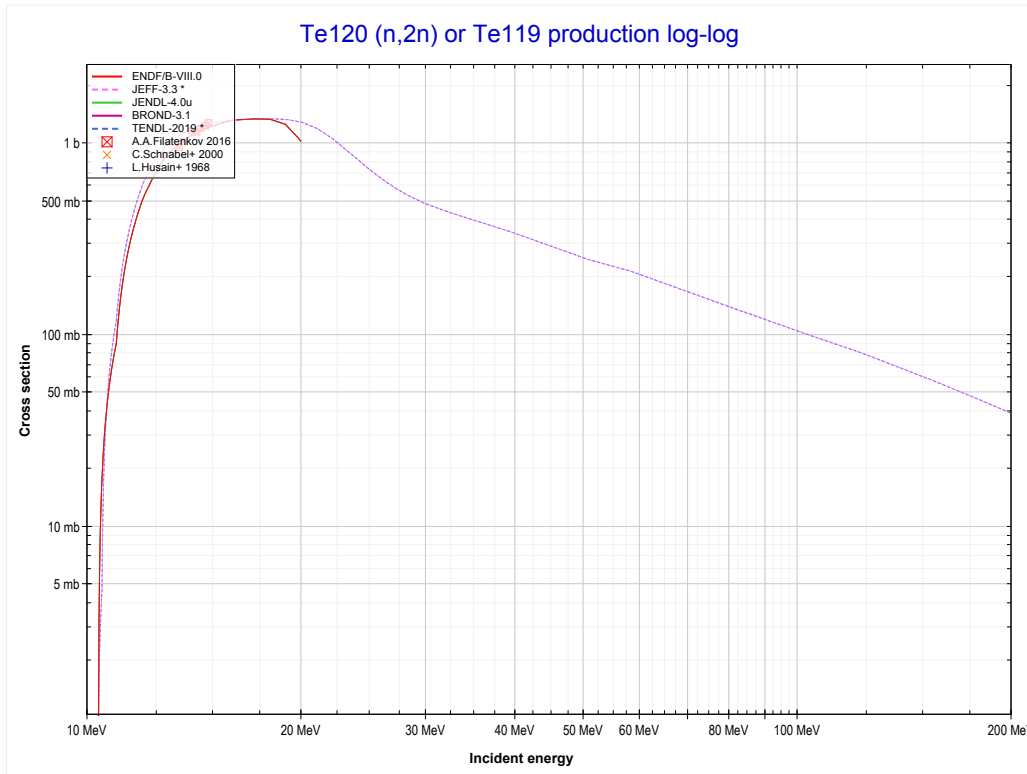
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.78085E-5 b | 0.012671 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30193E-5 b | 0.00617521 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.30194E-5 b | 0.00617521 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.78085E-5 b | 0.012671 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.78085E-5 b | 0.012671 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28433E-5 b | 0.00902071 b |

| | | |
|--------------------------|--|--------------------------|
| << 51-Sb-123 | 51-Sb-124 | 52-Te-120 >> |
| << 51-Sb-123 MT103 (n,p) | MT102 (n,γ) or MT5 (Sb125 production) | 52-Te-120 MT16 (n,2n) >> |



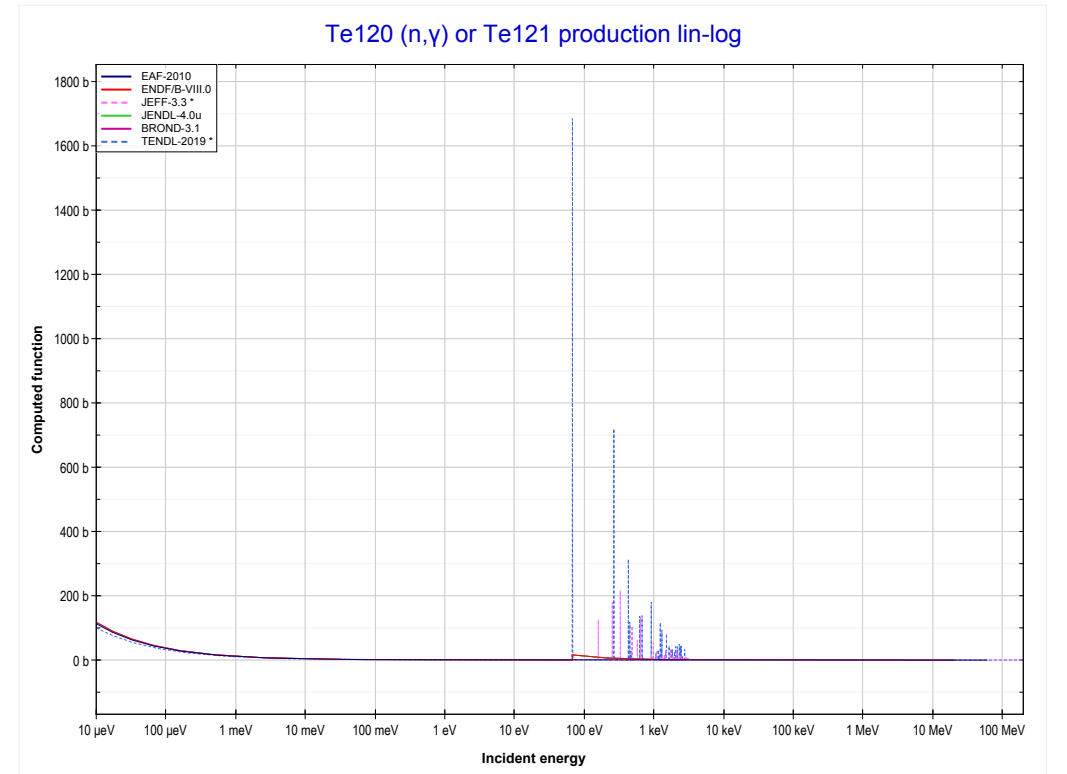
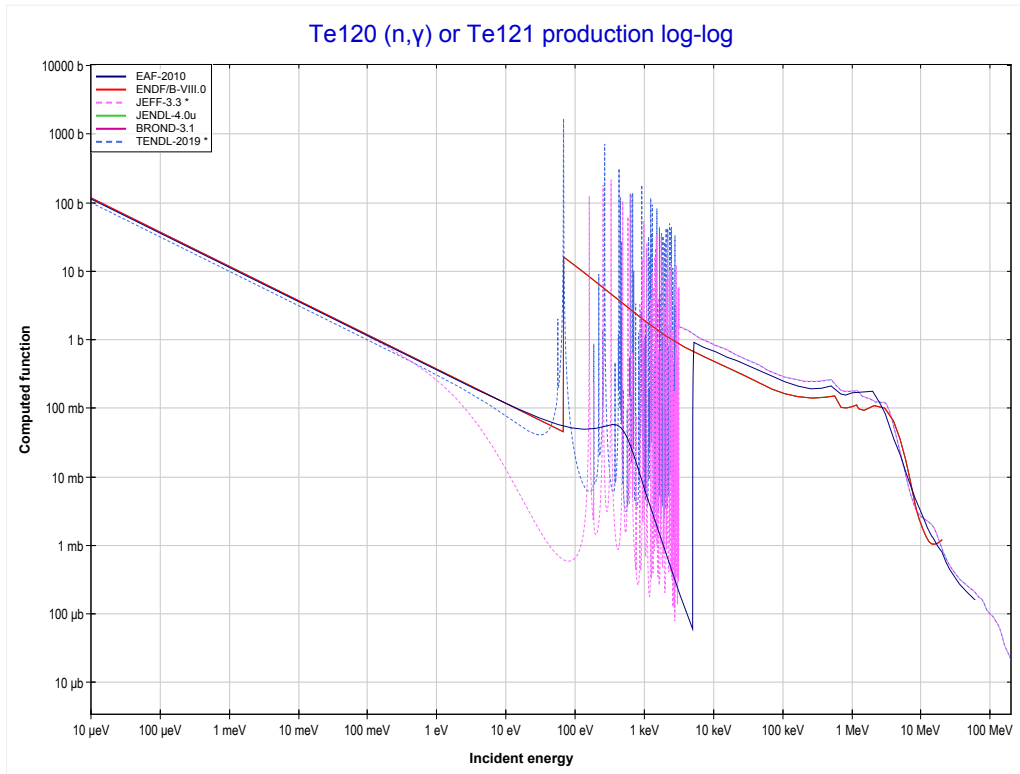
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 17.1871 b | 17.1744 b | 17.277 b | 1.00601 | 500.708 b | 0.021932 b | 0.00138298 b |
| ENDF/B-VIII.0 | 17.4051 b | 17.4051 b | 17.412 b | 1.00041 | 155.684 b | 0.0832087 b | 0.00100103 b |
| JEFF-3.3 | 17.3401 b | 17.3401 b | 17.3 b | 0.99768 | 87.7504 b | 0.0342052 b | 0.00127887 b |
| JENDL-4.0u | 17.4051 b | 17.4051 b | 17.412 b | 1.00041 | 155.432 b | 0.0832117 b | 0.00100103 b |
| BROND-3.1 | 17.4051 b | 17.4051 b | 17.412 b | 1.00041 | 155.684 b | 0.0832087 b | 0.00100103 b |
| CENDL-3.2 | 18.2763 b | 18.2763 b | 22.205 b | 1.21496 | 166.503 b | 0.0342403 b | 0.00157103 b |
| TENDL-2019 | 17.3314 b | 17.3314 b | 17.349 b | 1.001 | 254.631 b | 0.0337547 b | 0.00127812 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 51-Sb-123 | 52-Te-120 | 52-Te-122 >> |
| << 51-Sb-124 MT102 (n, γ) | MT16 (n,2n) or MT5 (Te119 production) | MT102 (n, γ) >> |



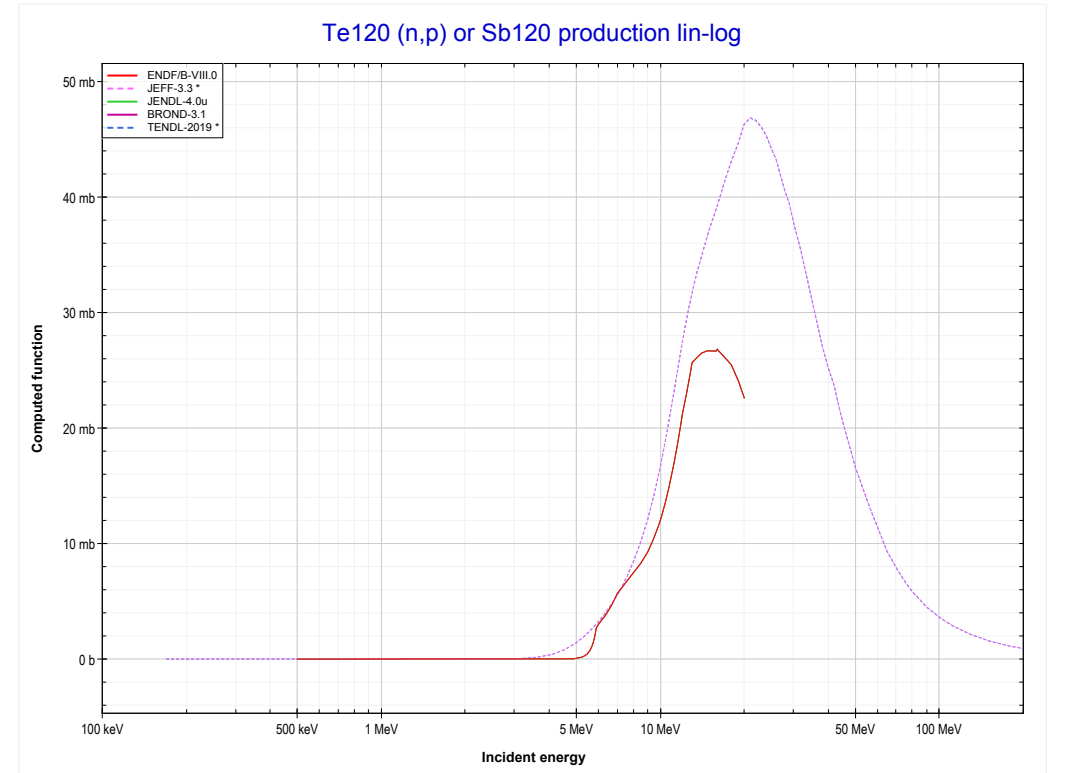
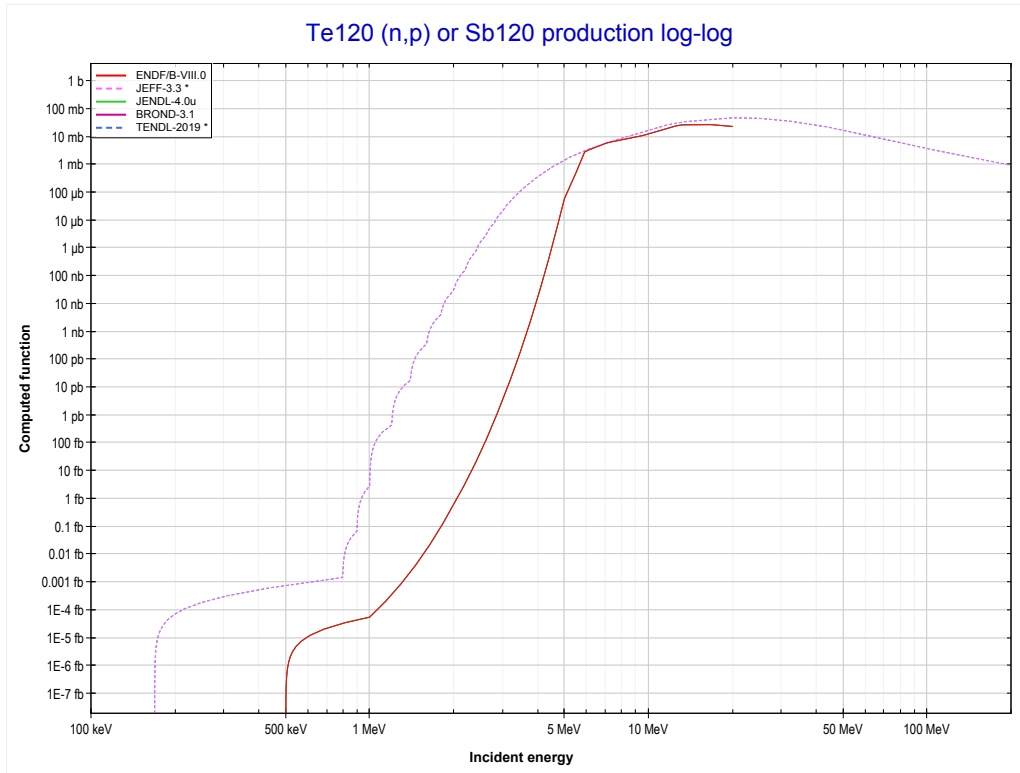
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.91551E-4 b | 1.09048 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.6951E-4 b | 1.18113 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.91551E-4 b | 1.09048 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.91551E-4 b | 1.09048 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.70463E-4 b | 1.18127 b |

| | | |
|----------------|--|----------------|
| << 51-Sb-124 | 52-Te-120 | 52-Te-122 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Te121 production) | MT103 (n,p) >> |



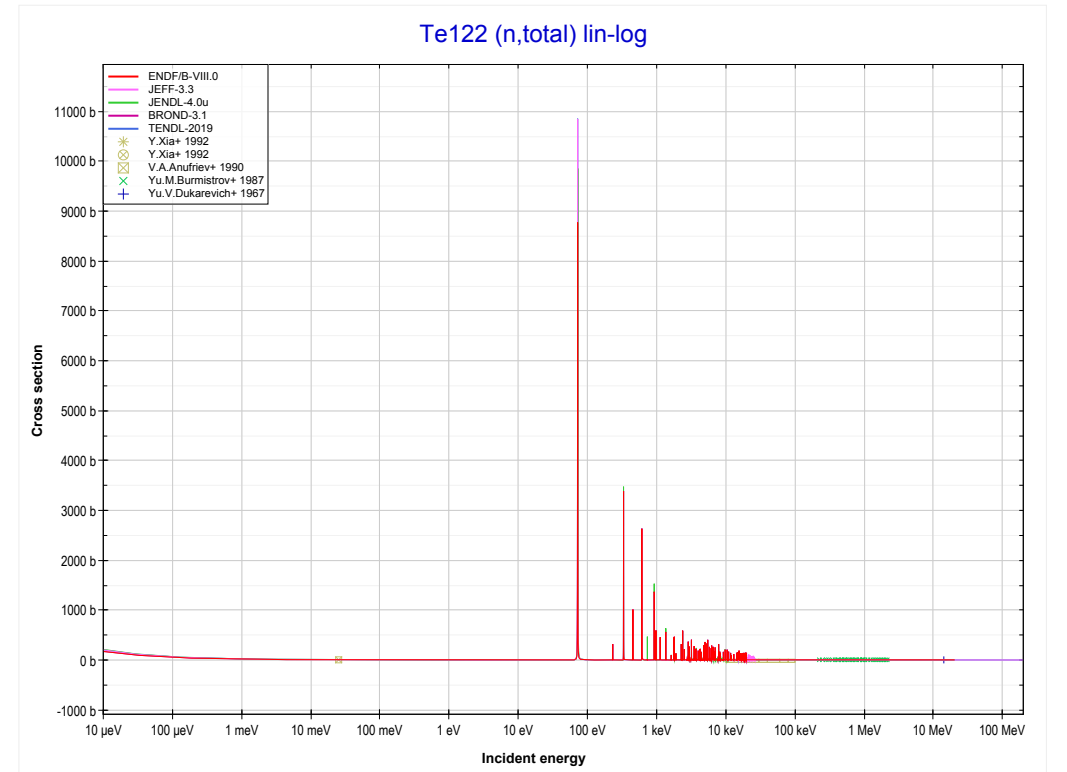
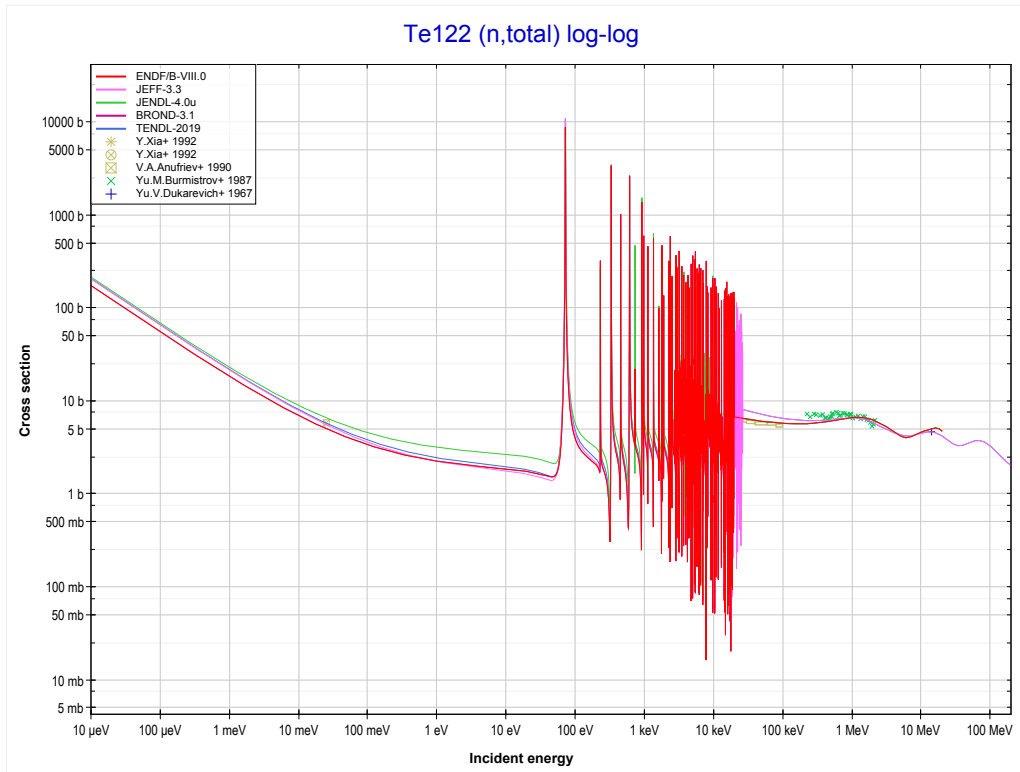
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.25021 b | 2.24852 b | 2.2486 b | 1.00005 | 2.59781 b | 0.140934 b | 0.0014 b |
| ENDF/B-VIII.0 | 2.34069 b | 2.34069 b | 2.3416 b | 1.0004 | 22.0308 b | 0.101756 b | 0.00105431 b |
| JEFF-3.3 | 2.32825 b | 2.32825 b | 2.3172 b | 0.99526 | 6.06558 b | 0.151877 b | 0.00205584 b |
| JENDL-4.0u | 2.34069 b | 2.34069 b | 2.3416 b | 1.0004 | 22.0661 b | 0.101753 b | 0.00105431 b |
| BROND-3.1 | 2.34069 b | 2.34069 b | 2.3416 b | 1.0004 | 22.0308 b | 0.101756 b | 0.00105431 b |
| TENDL-2019 | 1.99319 b | 1.99319 b | 1.9925 b | 0.99964 | 23.8234 b | 0.150219 b | 0.00205067 b |

| | | |
|-------------------------|--|----------------------------|
| << 51-Sb-123 | 52-Te-120 | 52-Te-122 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb120 production) | 52-Te-122 MT1 (n,total) >> |



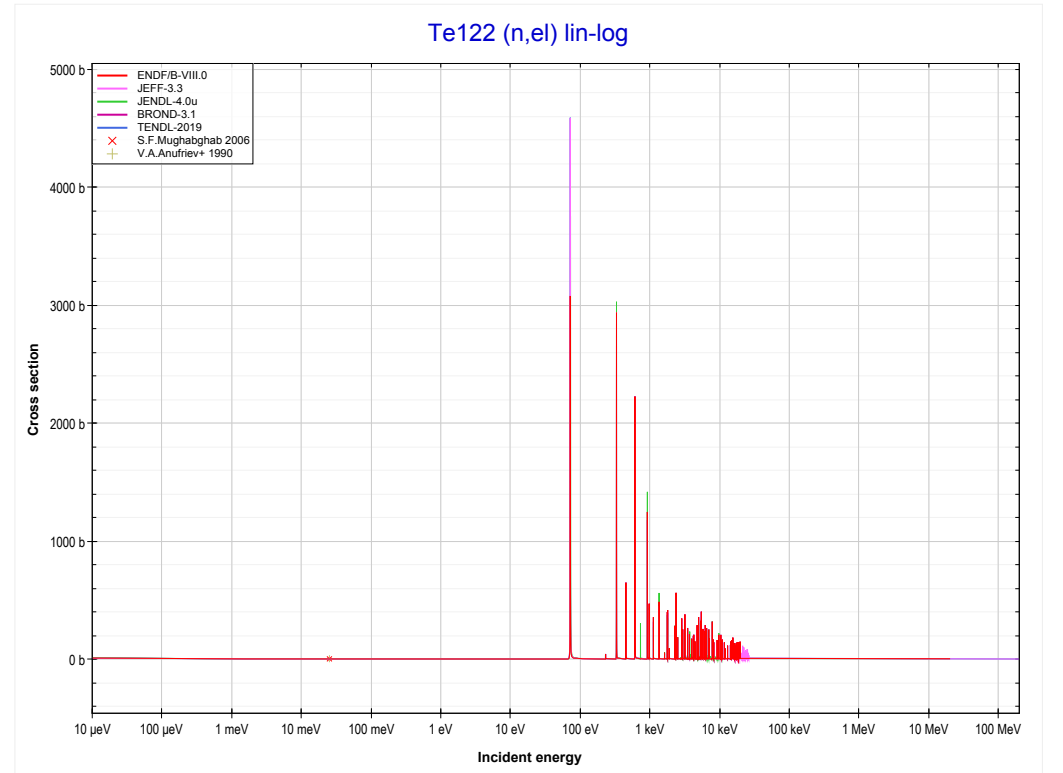
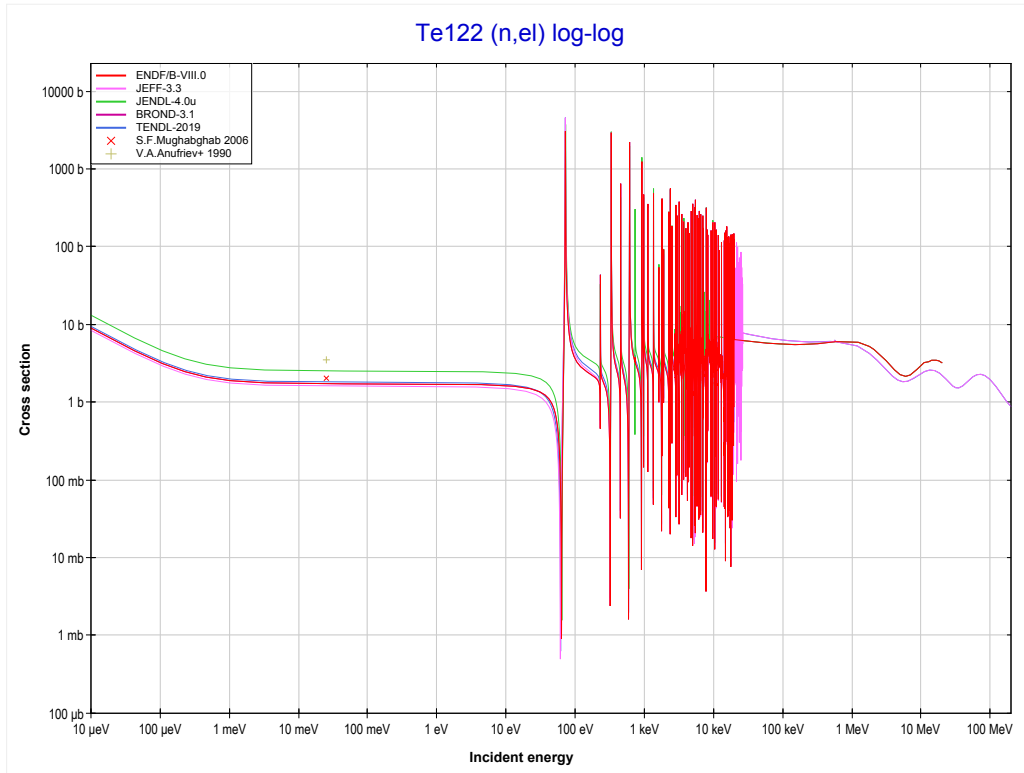
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.216E-4 b | 0.0264634 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.48802E-4 b | 0.0347608 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.216E-4 b | 0.0264634 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.216E-4 b | 0.0264634 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.48864E-4 b | 0.0347313 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 51-Sb-123 | 52-Te-122 | 52-Te-123 >> |
| << 52-Te-120 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



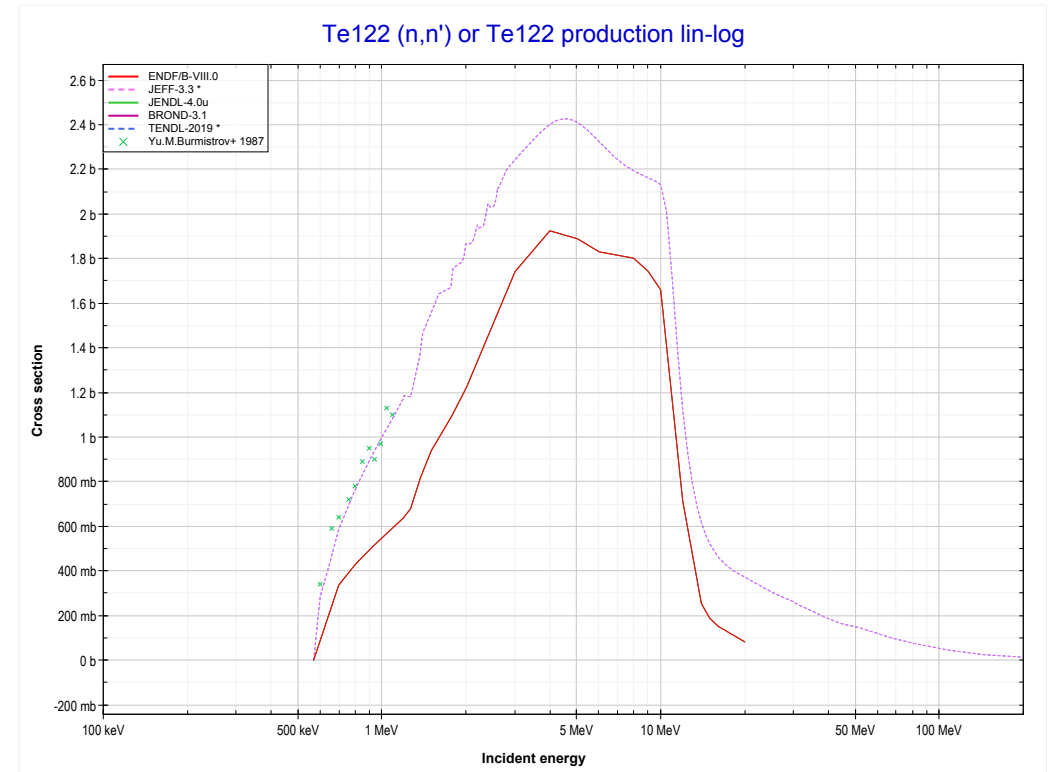
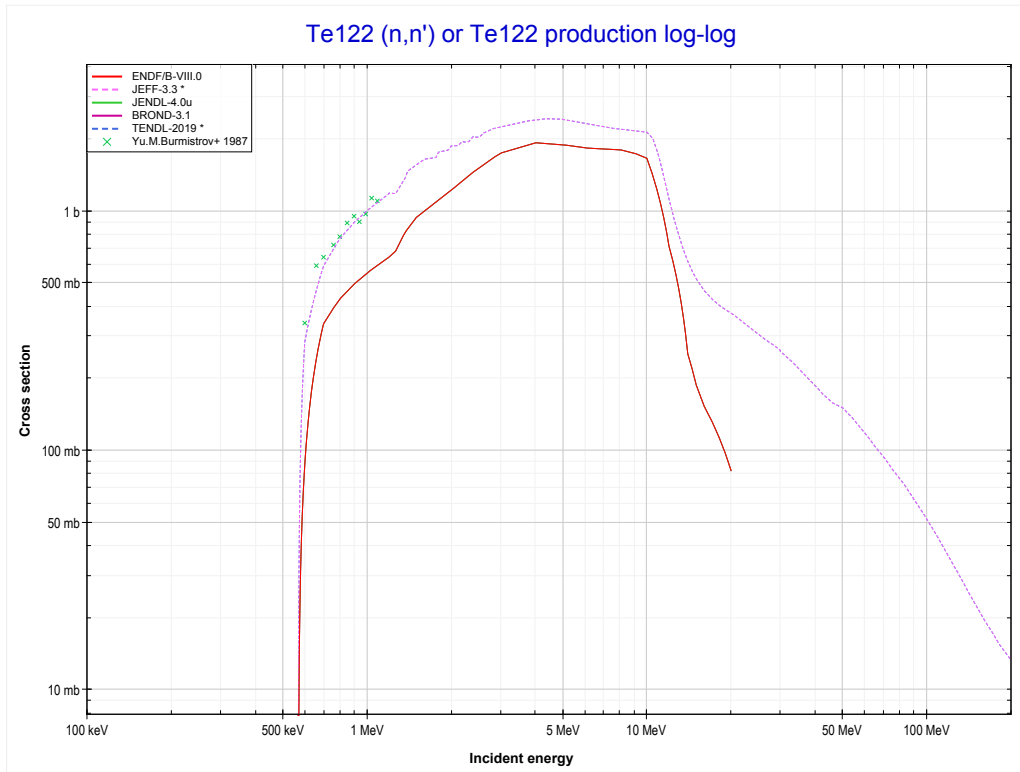
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.99488 b | 4.99488 b | 5.2181 b | 1.04469 | 195.323 b | 5.87911 b | 4.97543 b |
| JEFF-3.3 | 5.52231 b | 5.52231 b | 5.7307 b | 1.03774 | 226.767 b | 5.78439 b | 4.64313 b |
| JENDL-4.0u | 6.52689 b | 6.52689 b | 6.8528 b | 1.04994 | 219.23 b | 5.87447 b | 4.97543 b |
| BROND-3.1 | 4.99488 b | 4.99488 b | 5.2181 b | 1.04469 | 195.323 b | 5.87911 b | 4.97543 b |
| TENDL-2019 | 5.72294 b | 5.72294 b | 5.9565 b | 1.04081 | 228.681 b | 5.78382 b | 4.64314 b |

| | | |
|------------------|------------------------|---------------|
| << 51-Sb-123 | 52-Te-122 | 52-Te-124 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



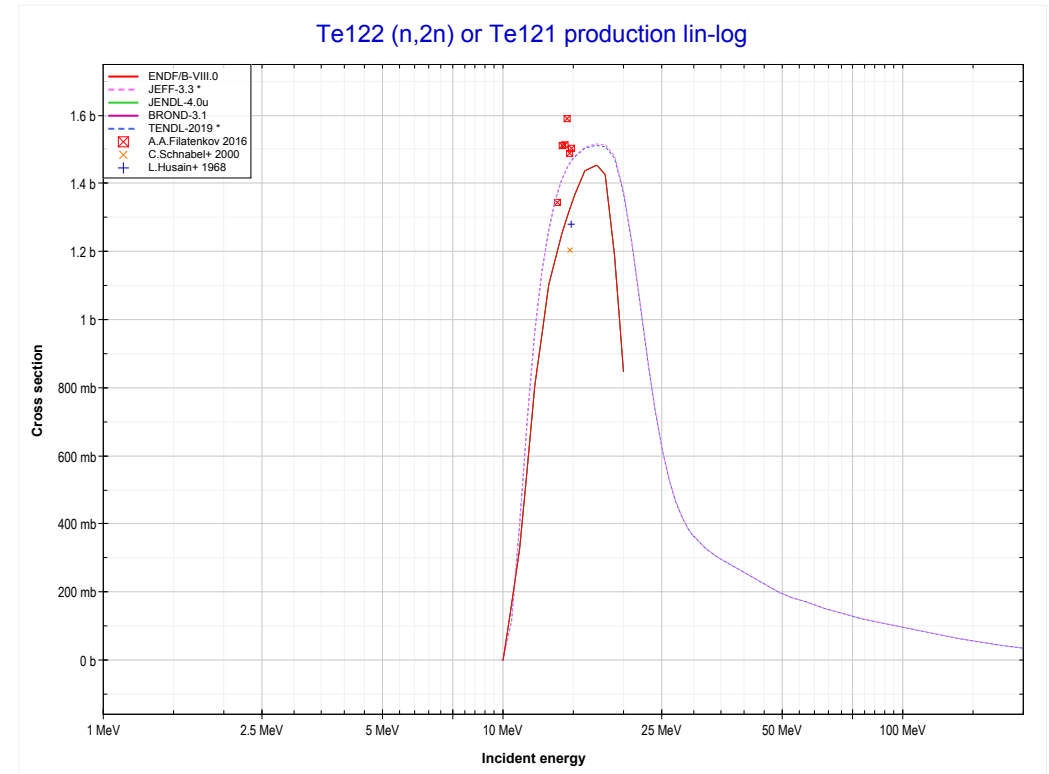
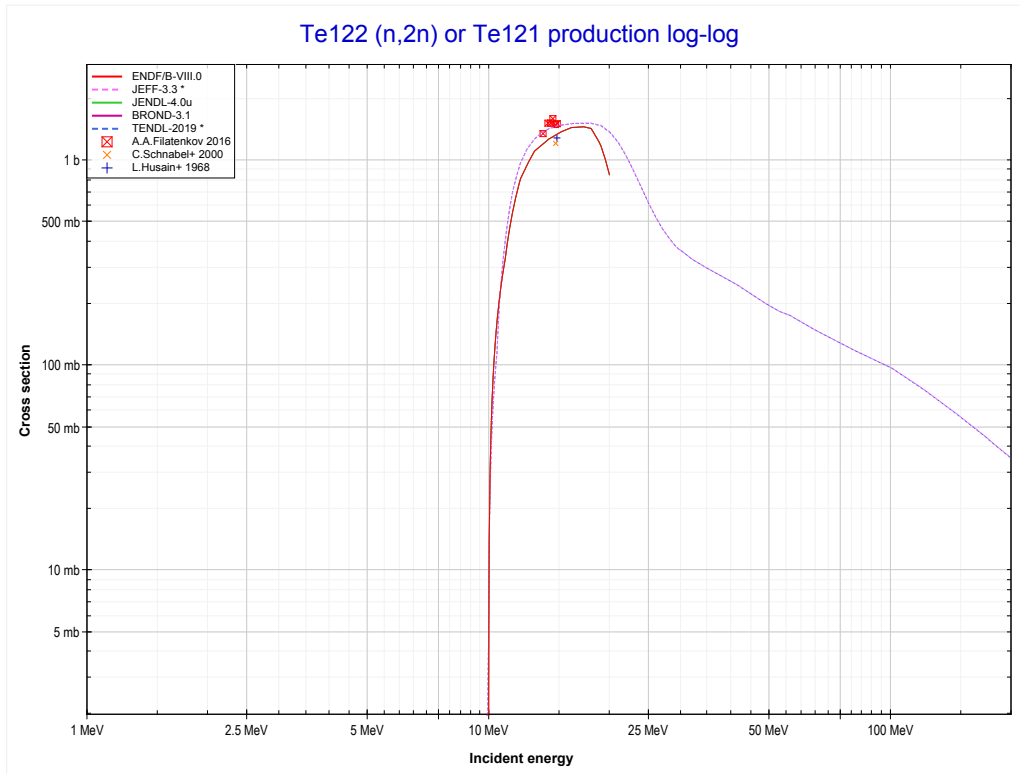
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.72185 b | 1.72185 b | 1.9427 b | 1.12825 | 116.401 b | 4.80182 b | 3.45375 b |
| JEFF-3.3 | 1.6056 b | 1.6056 b | 1.8115 b | 1.12822 | 137.524 b | 4.29464 b | 2.59205 b |
| JENDL-4.0u | 2.51857 b | 2.51857 b | 2.8416 b | 1.12826 | 130.903 b | 4.79695 b | 3.45375 b |
| BROND-3.1 | 1.72185 b | 1.72185 b | 1.9427 b | 1.12825 | 116.401 b | 4.80182 b | 3.45375 b |
| TENDL-2019 | 1.80809 b | 1.80809 b | 2.0401 b | 1.12829 | 139.472 b | 4.29493 b | 2.59205 b |

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|--------------------|---|----------------|
| << 50-Sn-117 | 52-Te-122 | 52-Te-123m >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Te122 production) | MT16 (n,2n) >> |



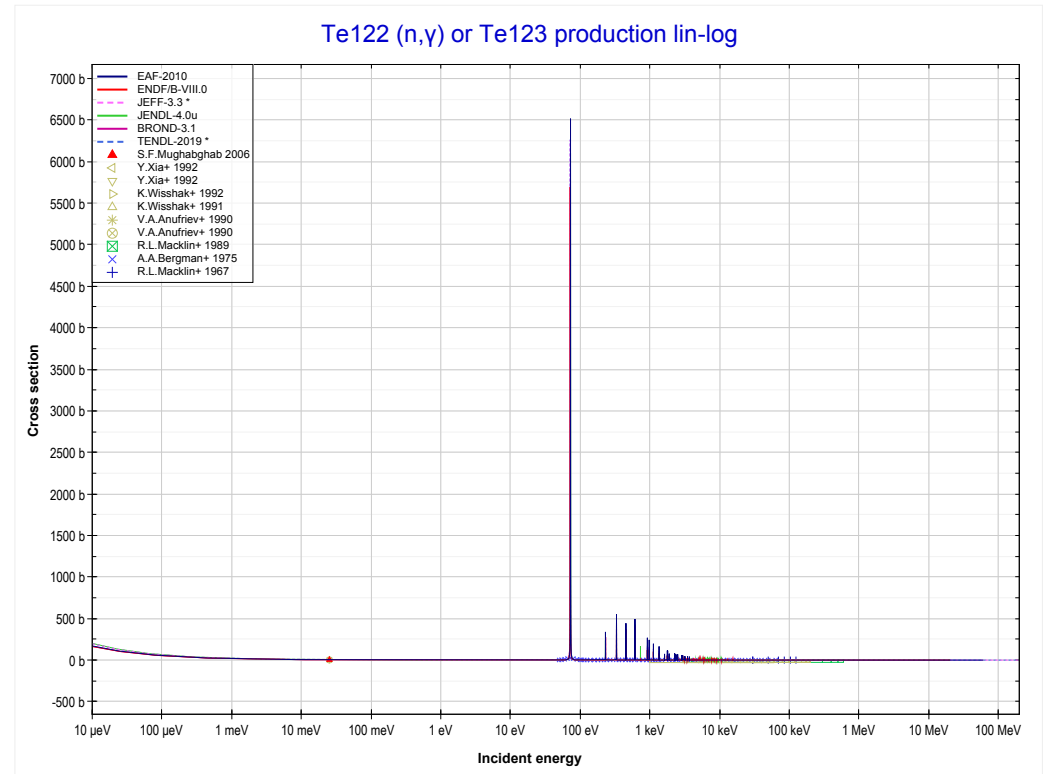
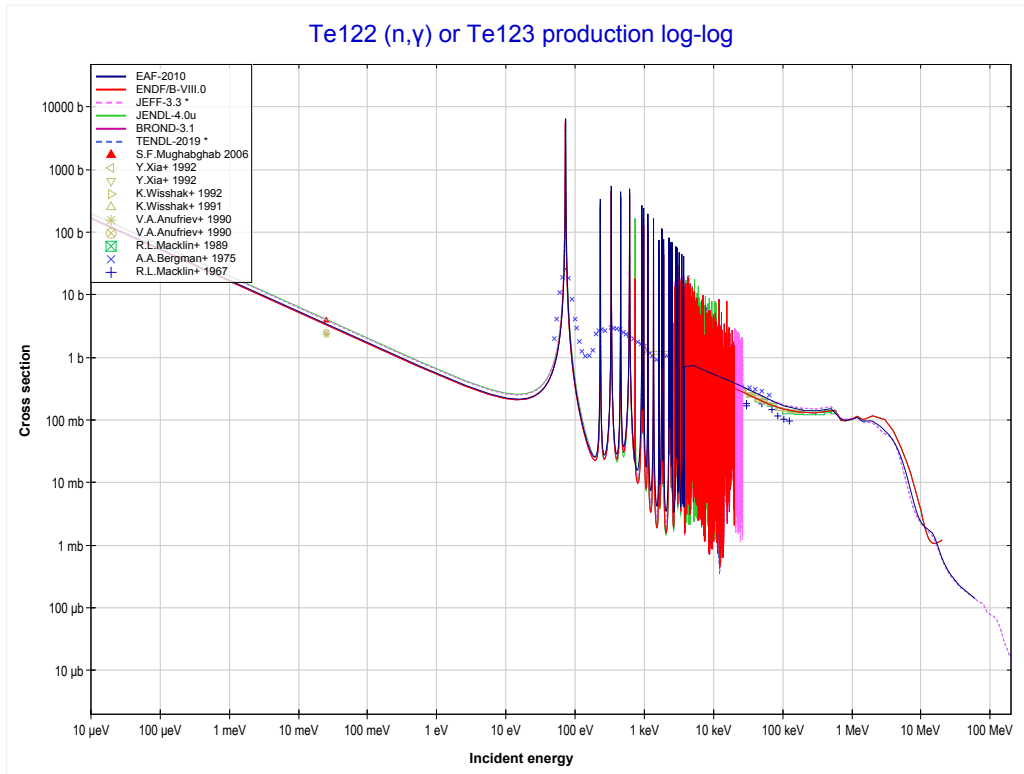
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.973507 b | 0.253085 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39479 b | 0.616765 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.973507 b | 0.253085 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.973507 b | 0.253085 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39544 b | 0.615805 b |

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|---------------|--|-------------------------|
| << 52-Te-120 | 52-Te-122 | 52-Te-124 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Te121 production) | MT102 (n, γ) >> |



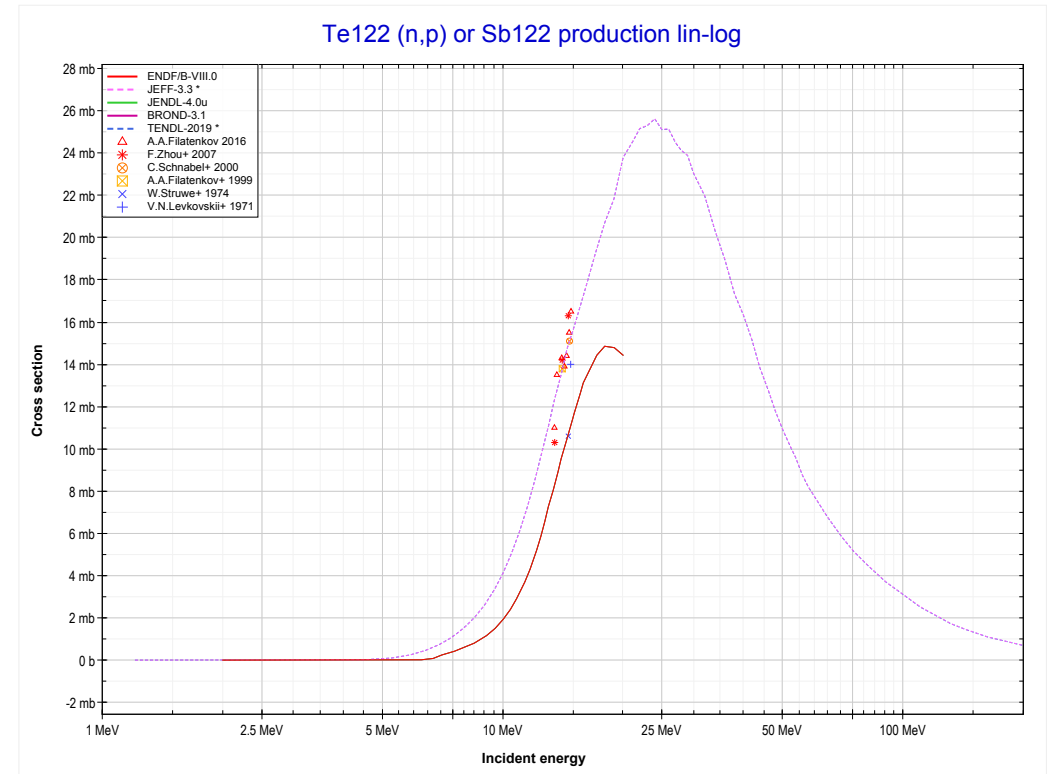
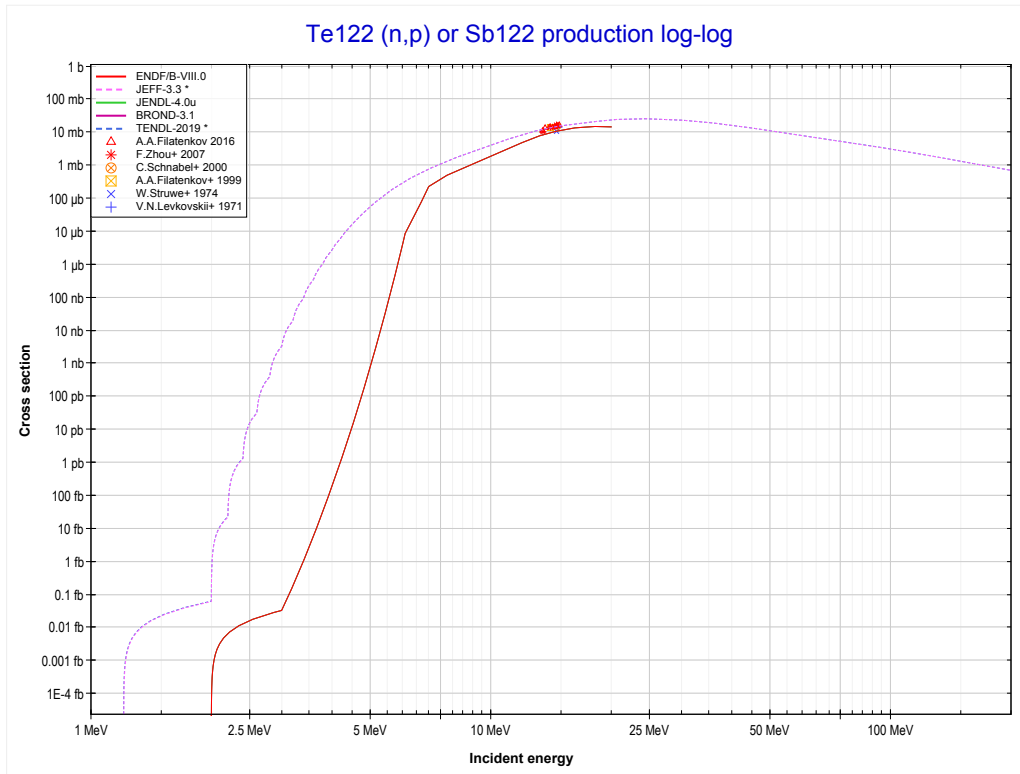
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.44469E-4 b | 1.24906 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00107437 b | 1.41005 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.44469E-4 b | 1.24906 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.44469E-4 b | 1.24906 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00107579 b | 1.40876 b |

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|----------------|--|----------------|
| << 52-Te-120 | 52-Te-122 | 52-Te-123 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Te123 production) | MT103 (n,p) >> |



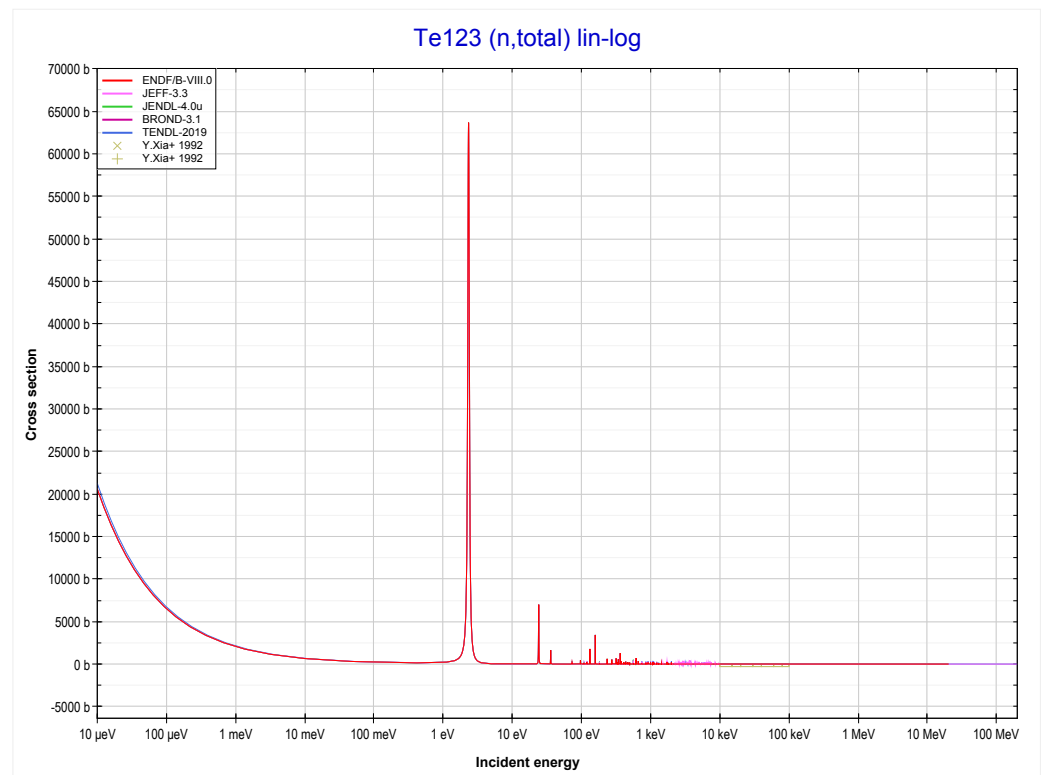
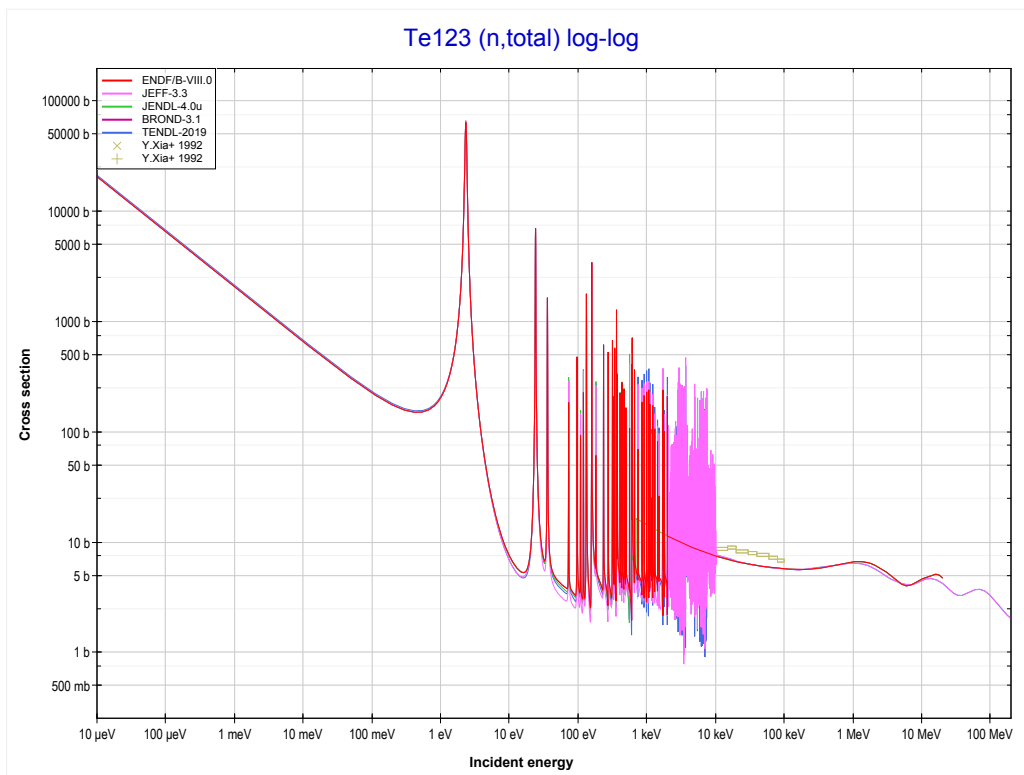
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.4 b | 3.39746 b | 3.398 b | 1.00017 | 88.6988 b | 0.0938075 b | 0.0016558 b |
| ENDF/B-VIII.0 | 3.27303 b | 3.27303 b | 3.2754 b | 1.00073 | 78.9218 b | 0.102759 b | 0.0011154 b |
| JEFF-3.3 | 3.9167 b | 3.9167 b | 3.9193 b | 1.00065 | 89.243 b | 0.0938144 b | 0.00149635 b |
| JENDL-4.0u | 4.00831 b | 4.00831 b | 4.0113 b | 1.00073 | 88.3272 b | 0.10299 b | 0.0011154 b |
| BROND-3.1 | 3.27303 b | 3.27303 b | 3.2754 b | 1.00073 | 78.9218 b | 0.102759 b | 0.0011154 b |
| TENDL-2019 | 3.91485 b | 3.91485 b | 3.9164 b | 1.0004 | 89.2003 b | 0.0927036 b | 0.00148983 b |

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|-------------------------|--|----------------------------|
| << 52-Te-120 | 52-Te-122 | 52-Te-124 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb122 production) | 52-Te-123 MT1 (n,total) >> |



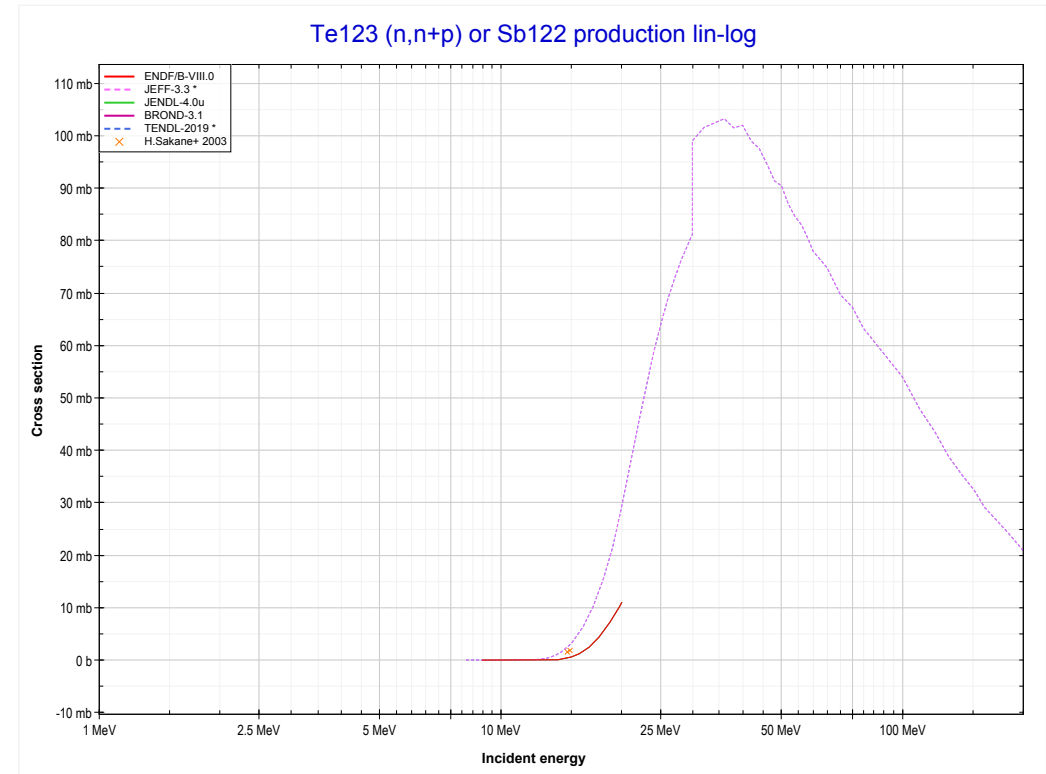
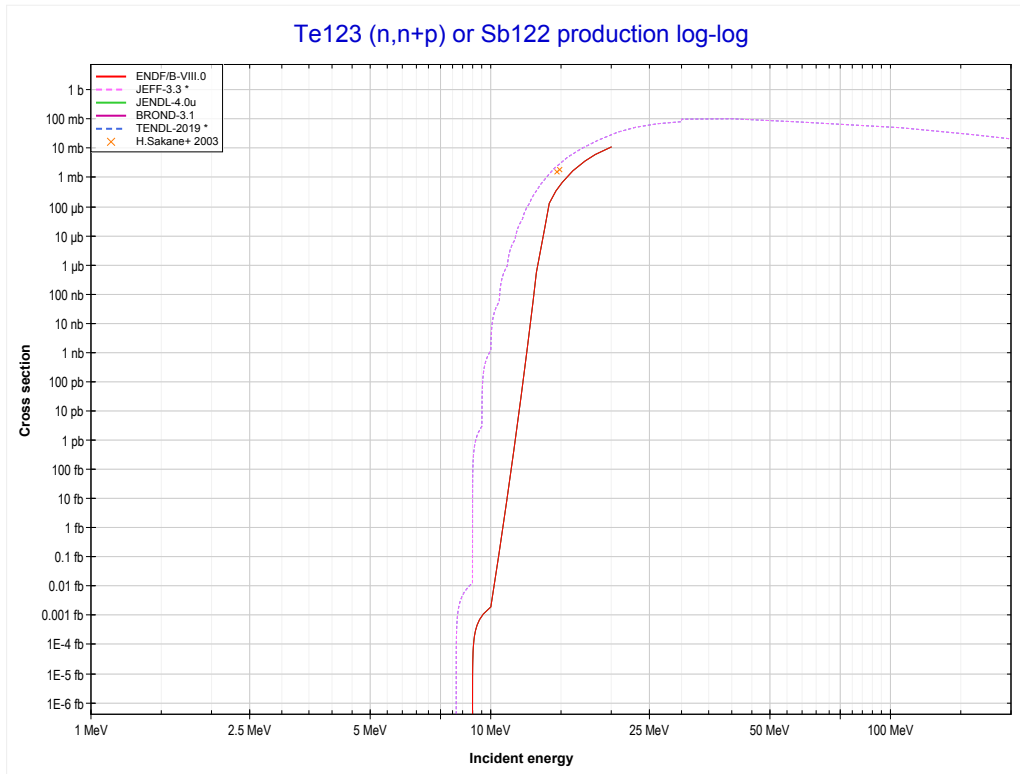
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76986E-5 b | 0.00951259 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88922E-5 b | 0.0134828 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.76986E-5 b | 0.00951259 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76986E-5 b | 0.00951259 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90422E-5 b | 0.013488 b |

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|--------------------------|----------------------|-----------------|
| << 52-Te-122 | 52-Te-123 | 52-Te-124 >> |
| << 52-Te-122 MT103 (n,p) | MT1 (n,total) | MT28 (n,n+p) >> |



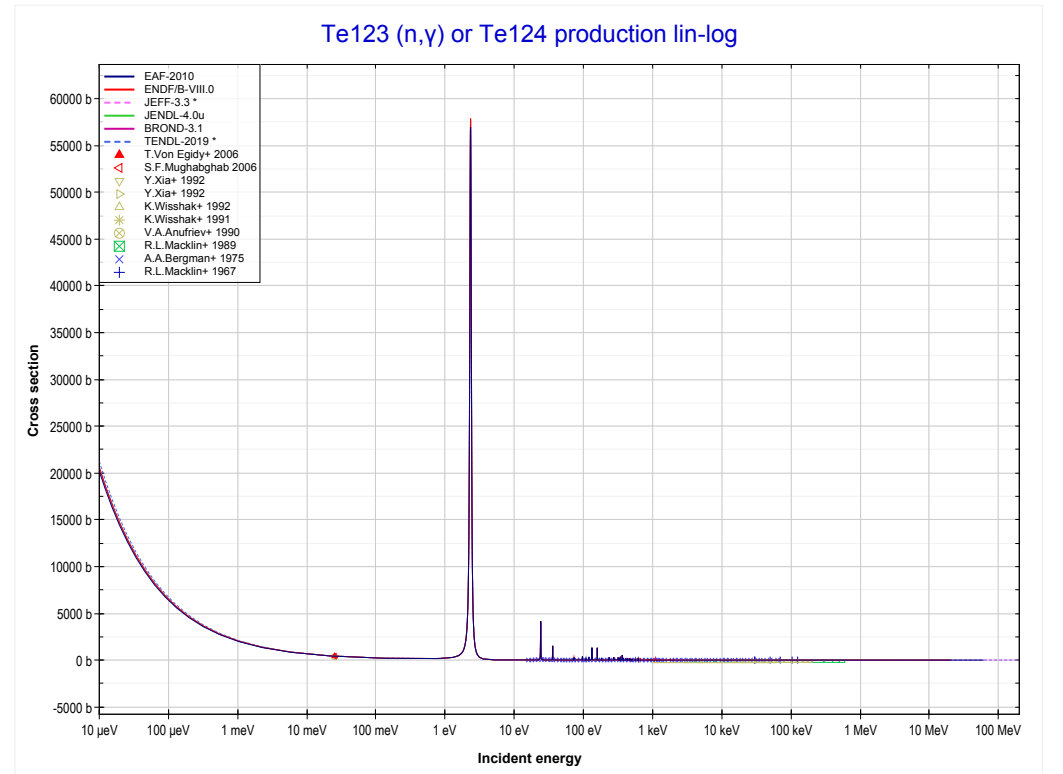
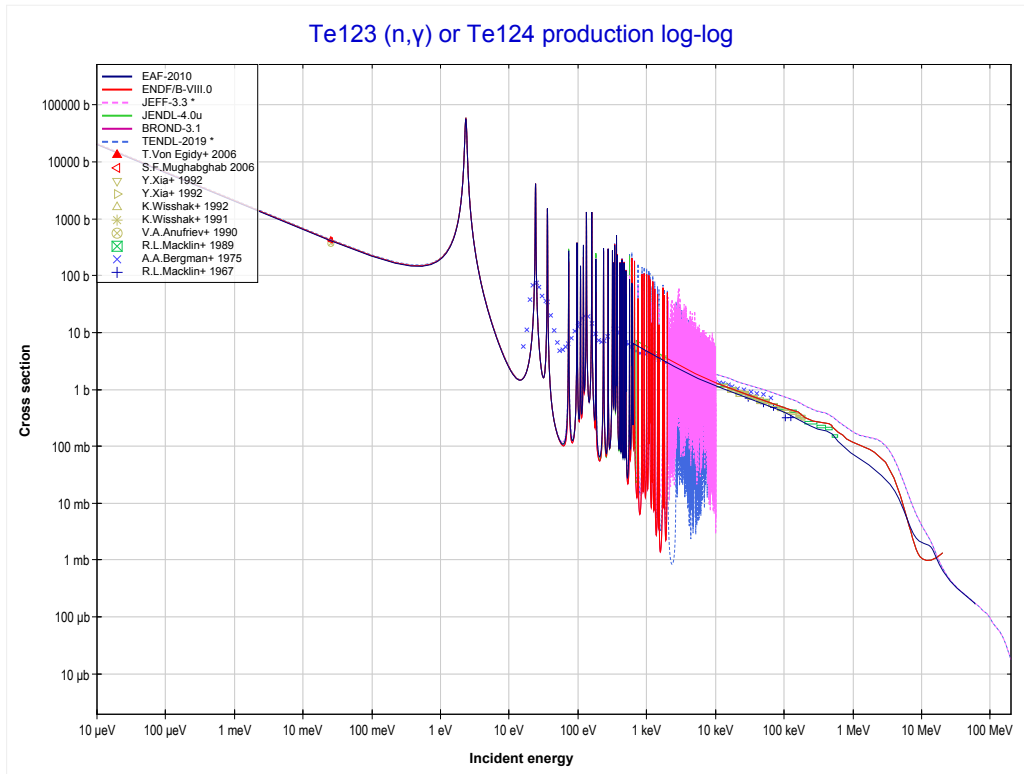
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 419.015 b | 419.015 b | 424.09 b | 1.01212 | 6317.51 b | 5.87965 b | 4.97549 b |
| JEFF-3.3 | 418.932 b | 418.932 b | 423.99 b | 1.01208 | 6331.14 b | 5.65912 b | 4.66453 b |
| JENDL-4.0u | 418.92 b | 418.92 b | 423.98 b | 1.01208 | 6327.31 b | 5.87979 b | 4.97549 b |
| BROND-3.1 | 419.015 b | 419.015 b | 424.09 b | 1.01212 | 6317.51 b | 5.87965 b | 4.97549 b |
| TENDL-2019 | 432.512 b | 432.512 b | 437.62 b | 1.01181 | 5787.68 b | 5.65771 b | 4.66455 b |

| | | |
|------------------|---|-------------------------|
| << 50-Sn-120 | 52-Te-123 | 52-Te-128 >> |
| << MT1 (n,total) | MT28 (n,n+p) or MT5 (Sb122 production) | MT102 (n, γ) >> |



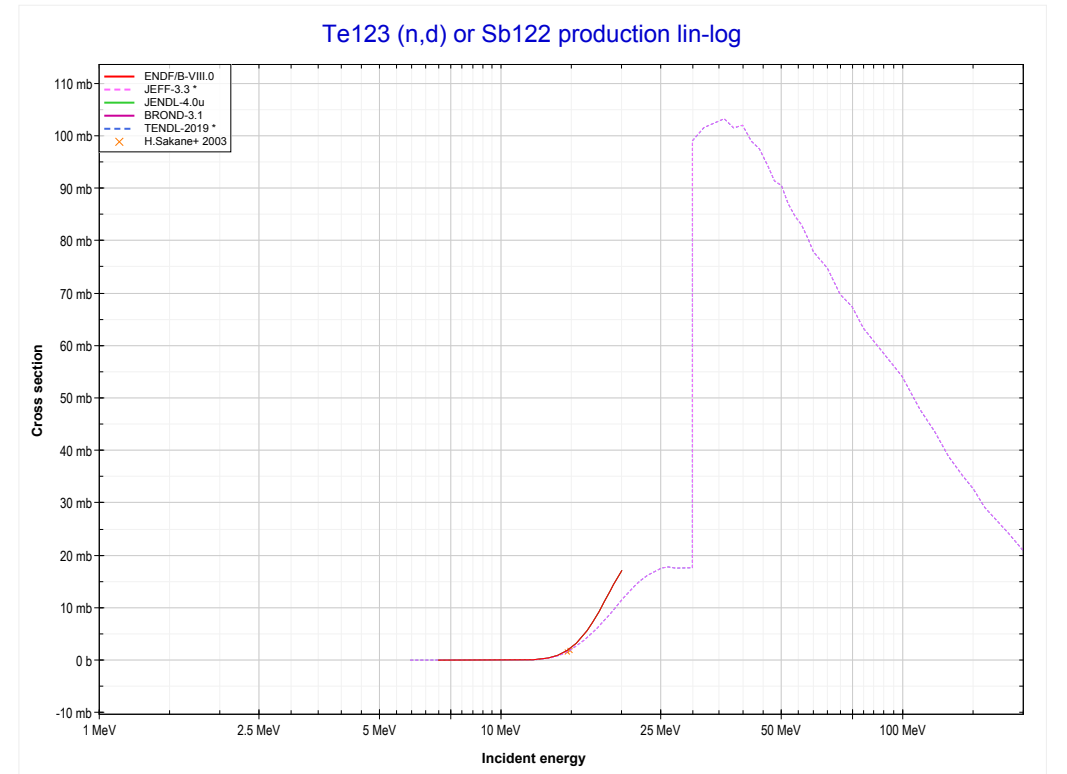
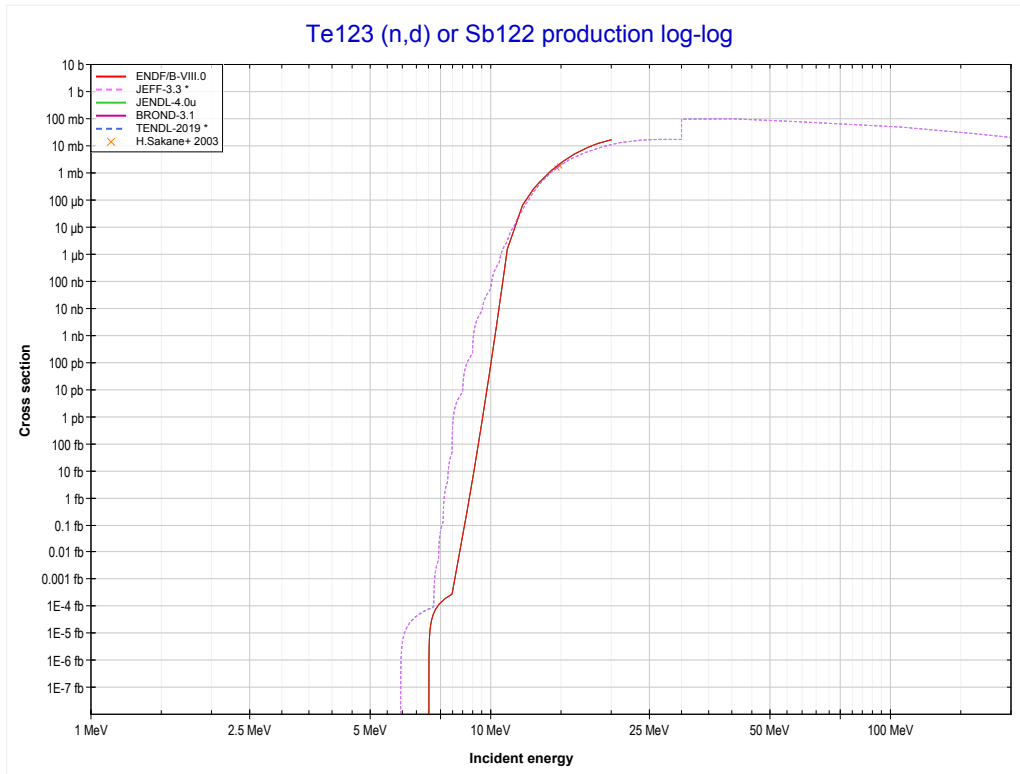
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53148E-7 b | 1.2901E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.06916E-7 b | 0.00130066 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.53148E-7 b | 1.2901E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.53148E-7 b | 1.2901E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.08289E-7 b | 0.00130384 b |

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|-----------------|--|----------------|
| << 52-Te-122 | 52-Te-123 | 52-Te-124 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Te124 production) | MT104 (n,d) >> |



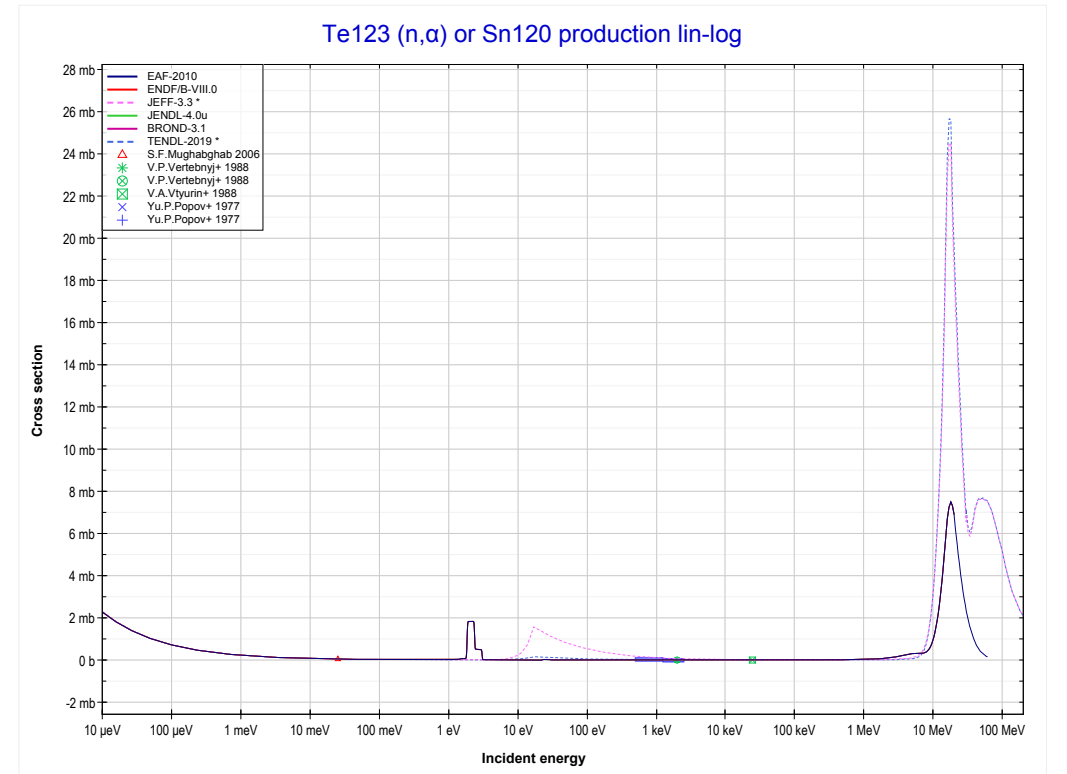
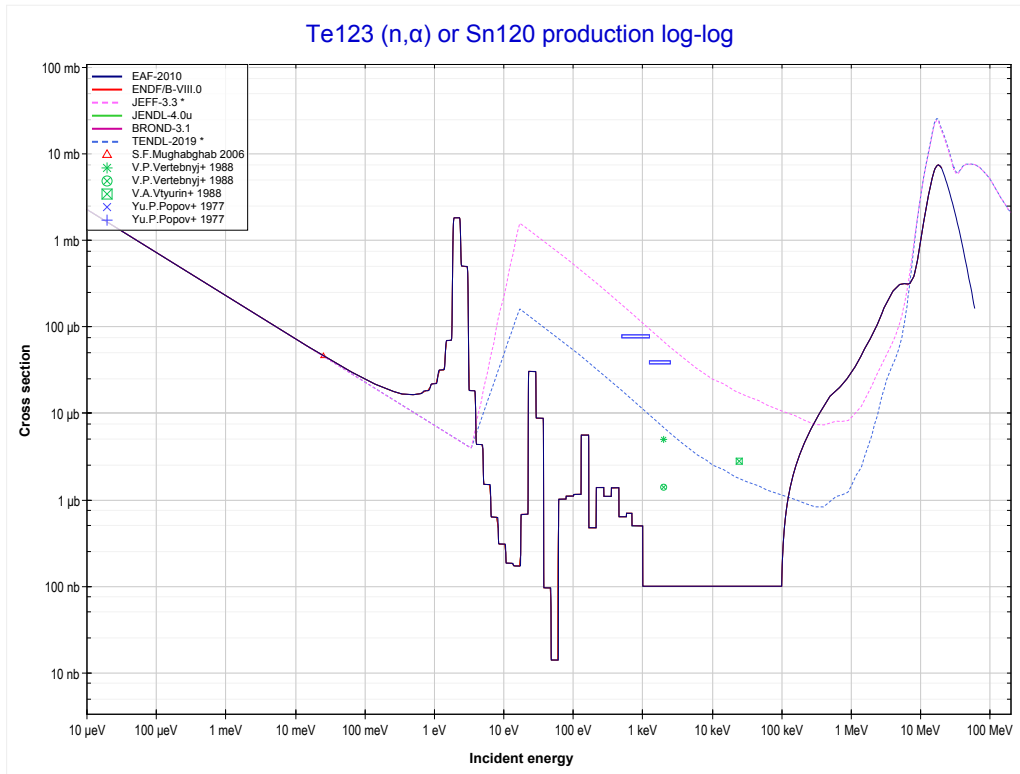
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 410.297 b | 410.003 b | 414.67 b | 1.01142 | 5545.81 b | 0.0789431 b | 0.00162474 b |
| ENDF/B-VIII.0 | 418.29 b | 418.29 b | 423.25 b | 1.01185 | 5645.45 b | 0.118243 b | 0.00100243 b |
| JEFF-3.3 | 418.424 b | 418.424 b | 423.39 b | 1.01186 | 5647.84 b | 0.191336 b | 0.00199009 b |
| JENDL-4.0u | 418.328 b | 418.328 b | 423.29 b | 1.01185 | 5651.54 b | 0.11832 b | 0.00100243 b |
| BROND-3.1 | 418.29 b | 418.29 b | 423.25 b | 1.01185 | 5645.45 b | 0.118243 b | 0.00100243 b |
| TENDL-2019 | 431.822 b | 431.822 b | 436.82 b | 1.01157 | 5252.38 b | 0.188797 b | 0.00197758 b |

| | | |
|-------------------------|--|-------------------------|
| << 50-Sn-120 | 52-Te-123 | 52-Te-128 >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (Sb122 production) | MT107 (n, α) >> |



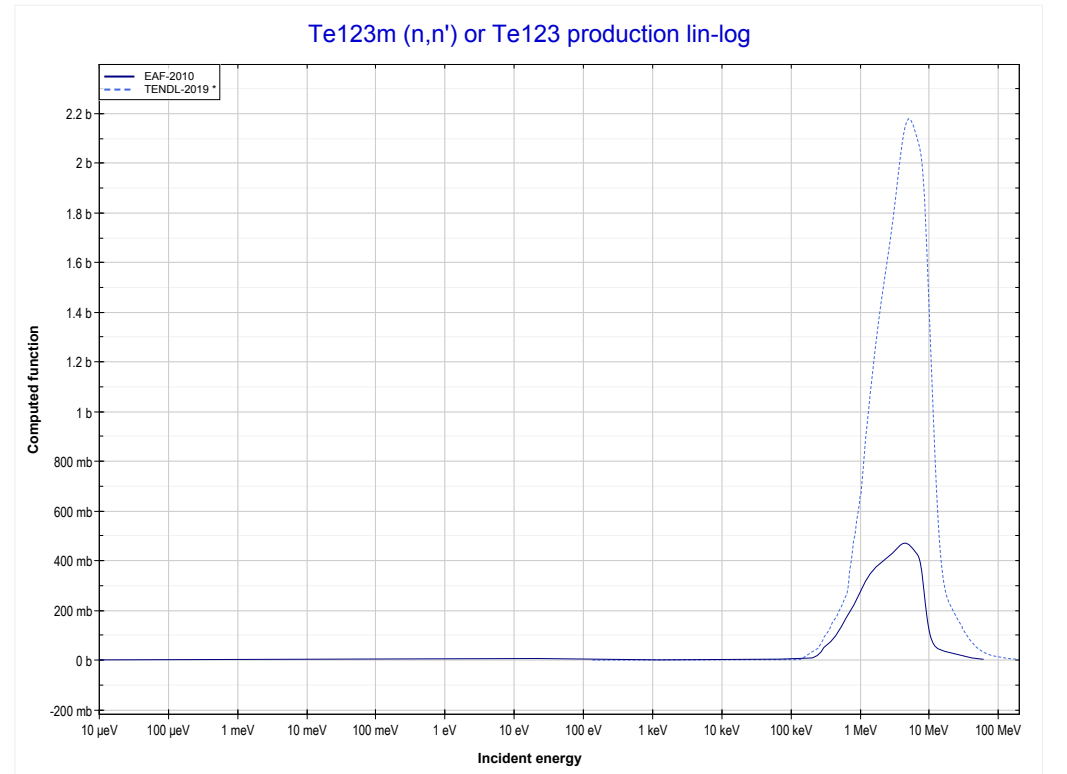
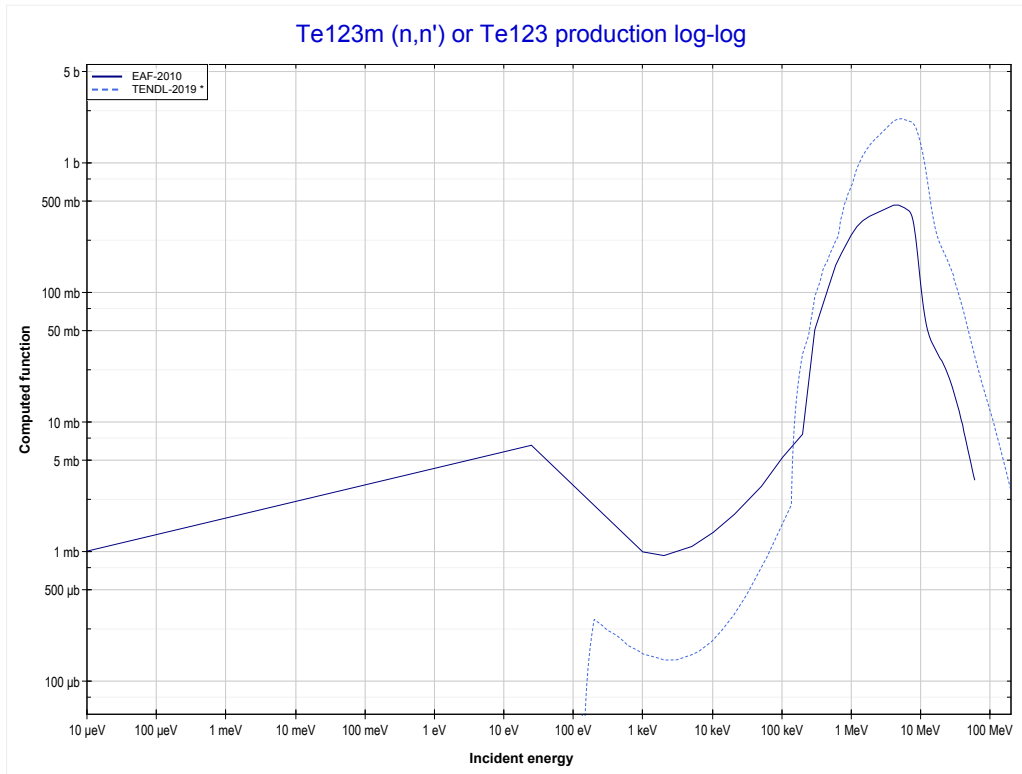
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36586E-7 b | 0.00107151 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.22157E-7 b | 9.08648E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.36586E-7 b | 0.00107151 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36586E-7 b | 0.00107151 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.2203E-7 b | 9.08679E-4 b |

| | | |
|----------------|--|--------------------------|
| << 50-Sn-122 | 52-Te-123 | 52-Te-124 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Sn120 production) | 52-Te-123m MT4 (n,n') >> |



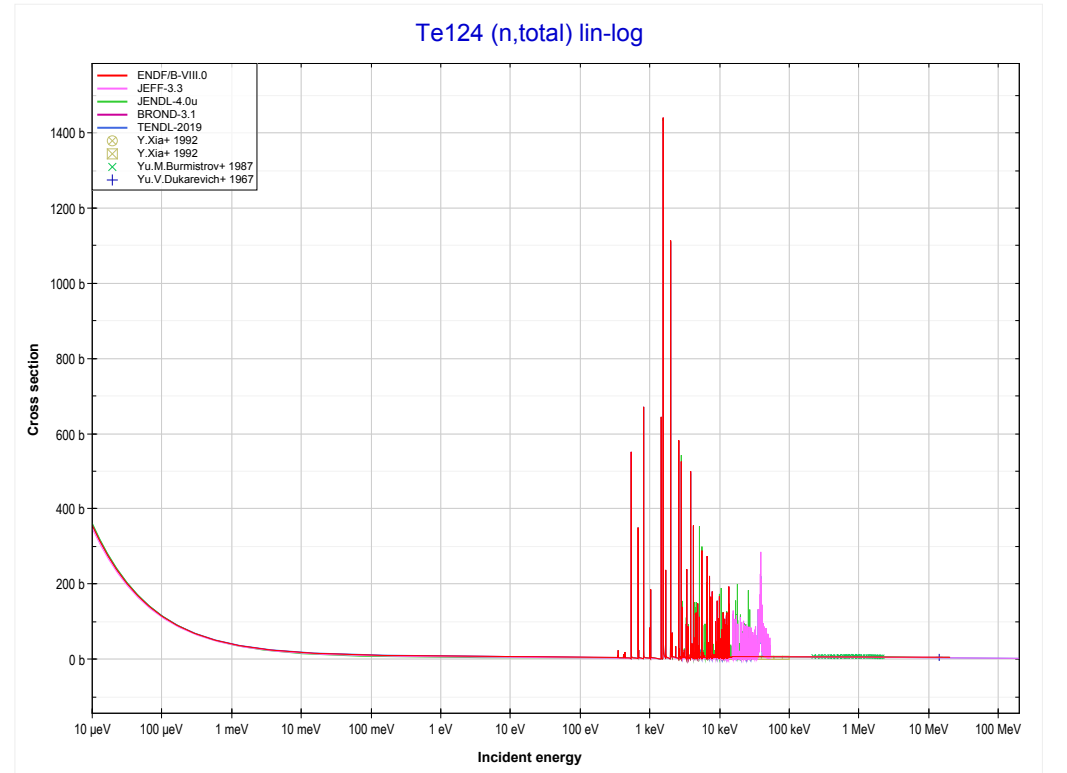
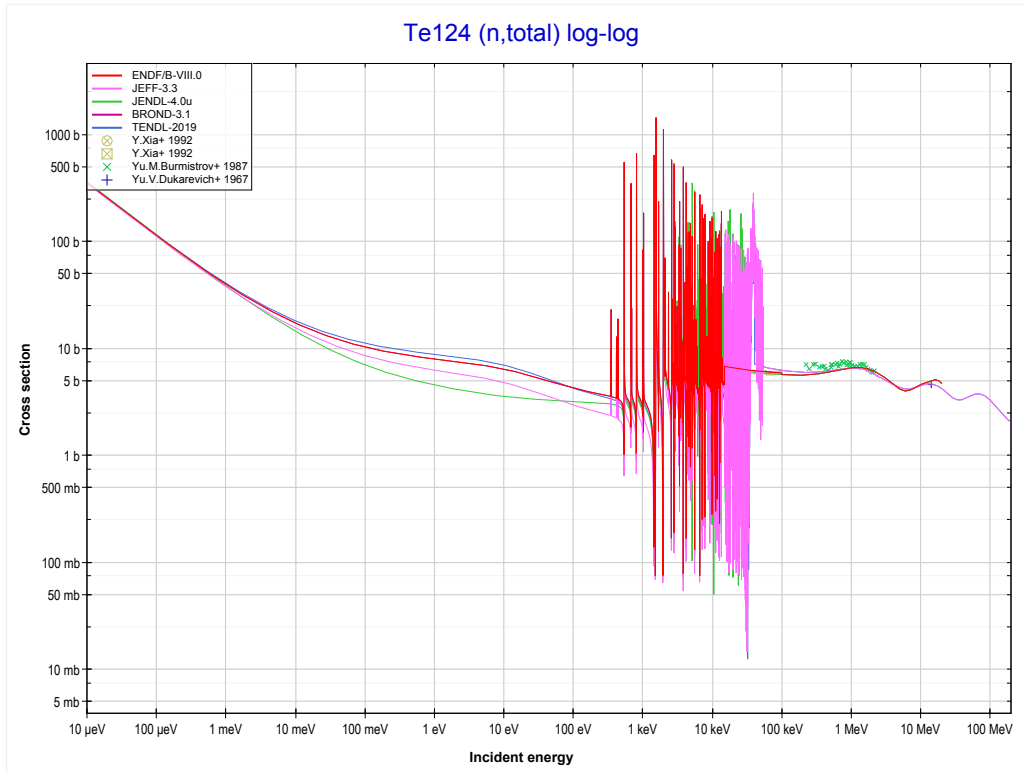
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.64931E-5 b | 4.646E-5 b | 4.6916E-5 b | 1.00985 | 6.46811E-4 b | 1.01298E-4 b | 0.00444693 b |
| ENDF/B-VIII.0 | 4.64621E-5 b | 4.64621E-5 b | 4.6943E-5 b | 1.01035 | 6.47374E-4 b | 1.01251E-4 b | 0.00445055 b |
| JEFF-3.3 | 4.5732E-5 b | 4.5732E-5 b | 4.5724E-5 b | 0.99983 | 0.00296967 b | 5.84404E-5 b | 0.0137499 b |
| JENDL-4.0u | 4.64621E-5 b | 4.64621E-5 b | 4.6943E-5 b | 1.01035 | 6.47381E-4 b | 1.01251E-4 b | 0.00445055 b |
| BROND-3.1 | 4.64621E-5 b | 4.64621E-5 b | 4.6943E-5 b | 1.01035 | 6.47374E-4 b | 1.01251E-4 b | 0.00445055 b |
| TENDL-2019 | 4.58521E-5 b | 4.58521E-5 b | 4.5833E-5 b | 0.99958 | 3.38213E-4 b | 4.07405E-5 b | 0.0143694 b |

| | | |
|-----------------------------------|---|----------------------------|
| << 52-Te-122 | 52-Te-123m | 52-Te-124 >> |
| << 52-Te-123 MT107 (n, α) | MT4 (n,n') or MT5 (Te123 production) | 52-Te-124 MT1 (n,total) >> |



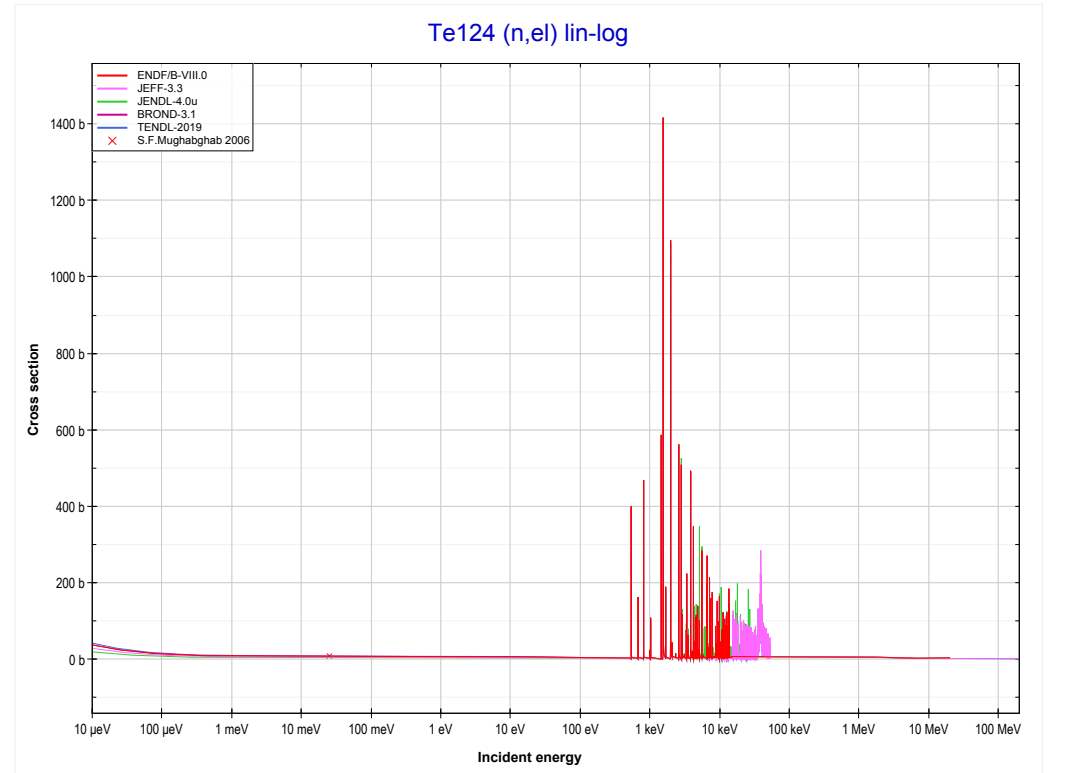
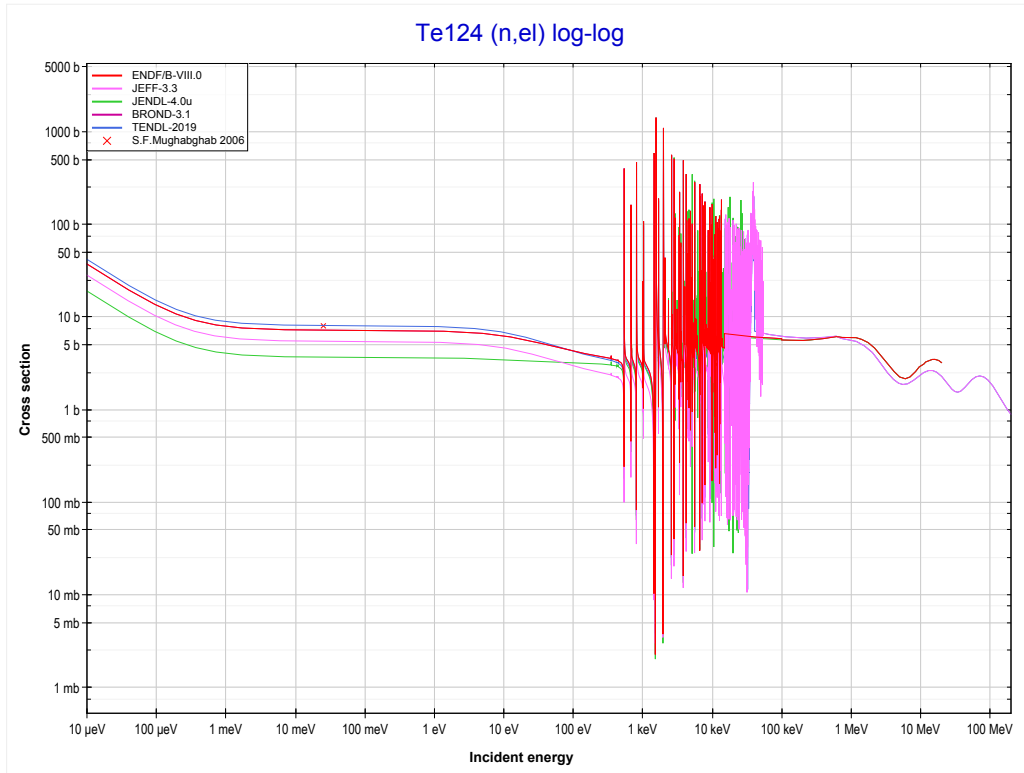
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.00272063 b | 0.00272115 b | 0.0032568 b | 1.19798 | 0.0396738 b | 0.313077 b | 0.0425456 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.00214835 b | 1.12348 b | 0.482508 b |

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|--------------------------|----------------------|--------------------|
| << 52-Te-123 | 52-Te-124 | 52-Te-125 >> |
| << 52-Te-123m MT4 (n,n') | MT1 (n,total) | MT2 (n,elastic) >> |



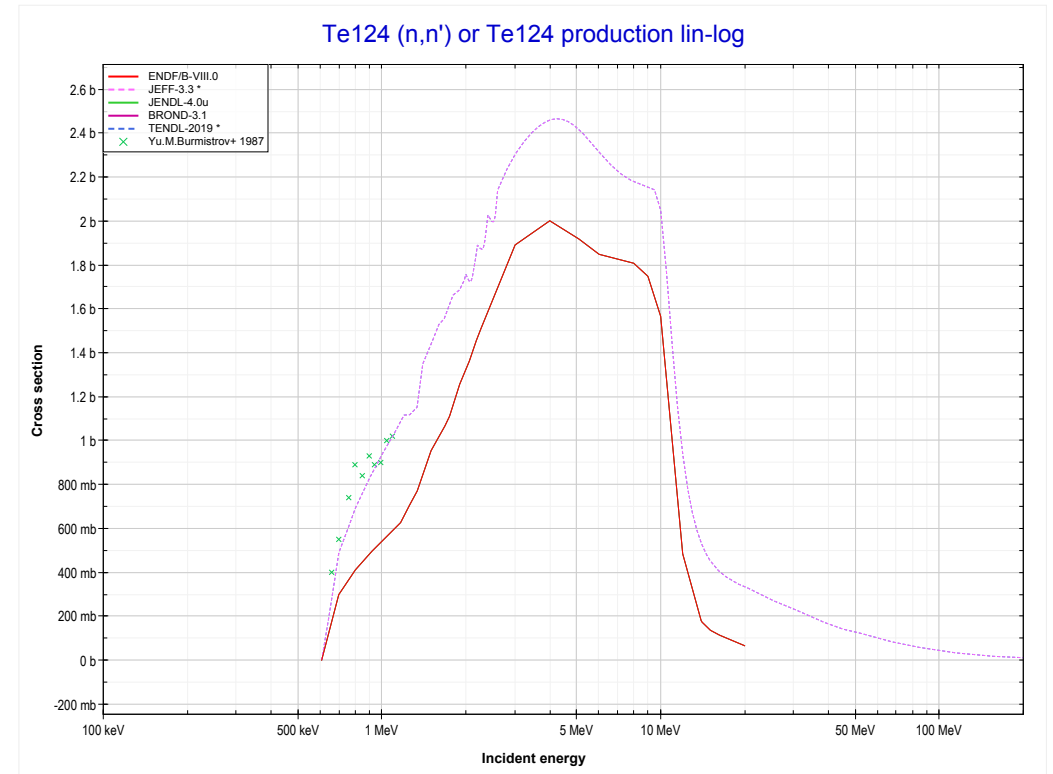
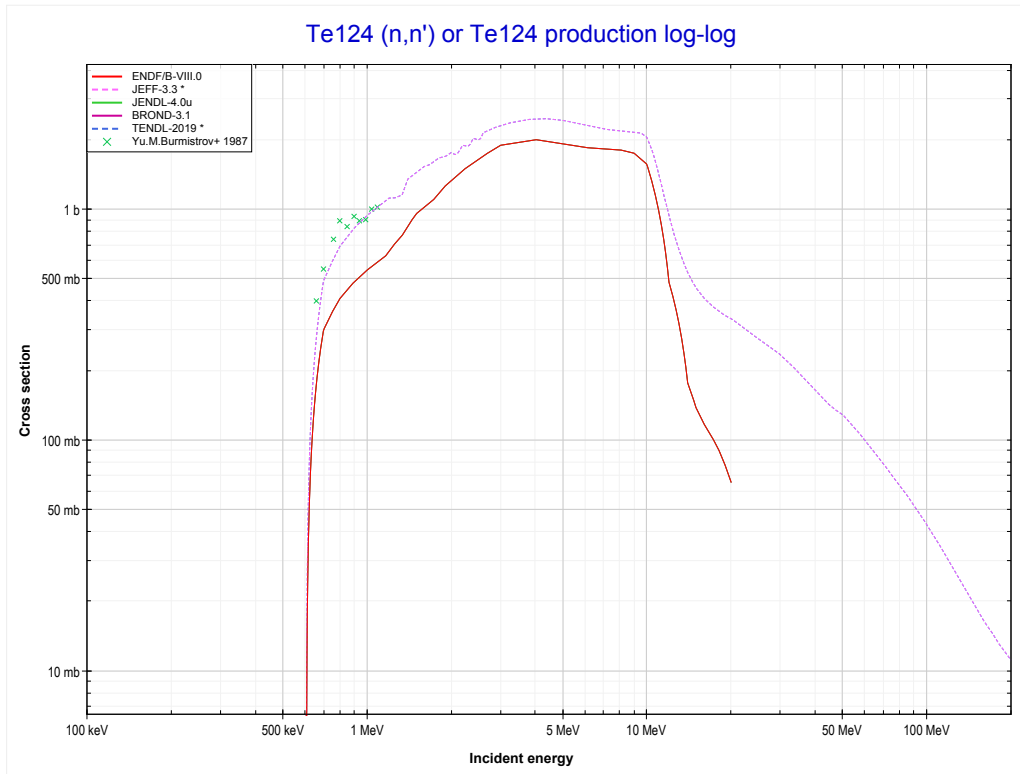
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 13.5017 b | 13.5017 b | 14.418 b | 1.06787 | 89.0563 b | 5.88265 b | 4.9755 b |
| JEFF-3.3 | 11.7783 b | 11.7783 b | 12.472 b | 1.05892 | 81.785 b | 5.85336 b | 4.68398 b |
| JENDL-4.0u | 10.453 b | 10.453 b | 10.913 b | 1.04398 | 73.9805 b | 5.88223 b | 4.9755 b |
| BROND-3.1 | 13.5018 b | 13.5018 b | 14.418 b | 1.06787 | 89.0563 b | 5.88265 b | 4.9755 b |
| TENDL-2019 | 14.3674 b | 14.3674 b | 15.394 b | 1.07146 | 93.5581 b | 5.82615 b | 4.68397 b |

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|------------------|------------------------|---------------|
| << 52-Te-122 | 52-Te-124 | 52-Te-125 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



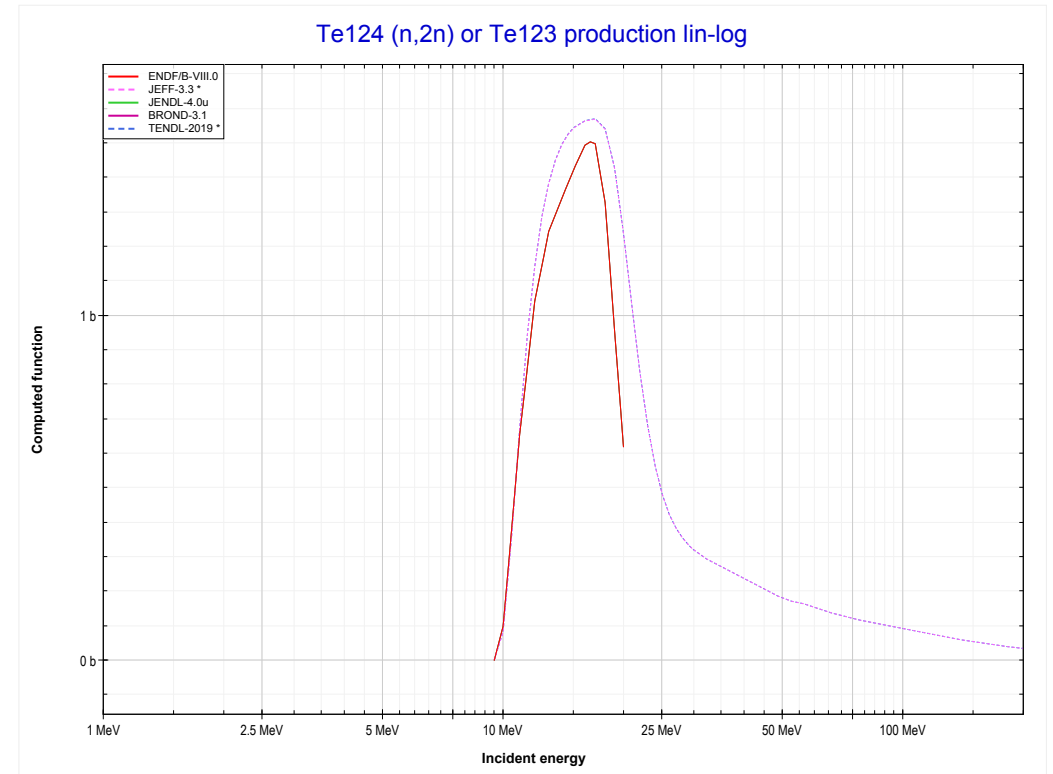
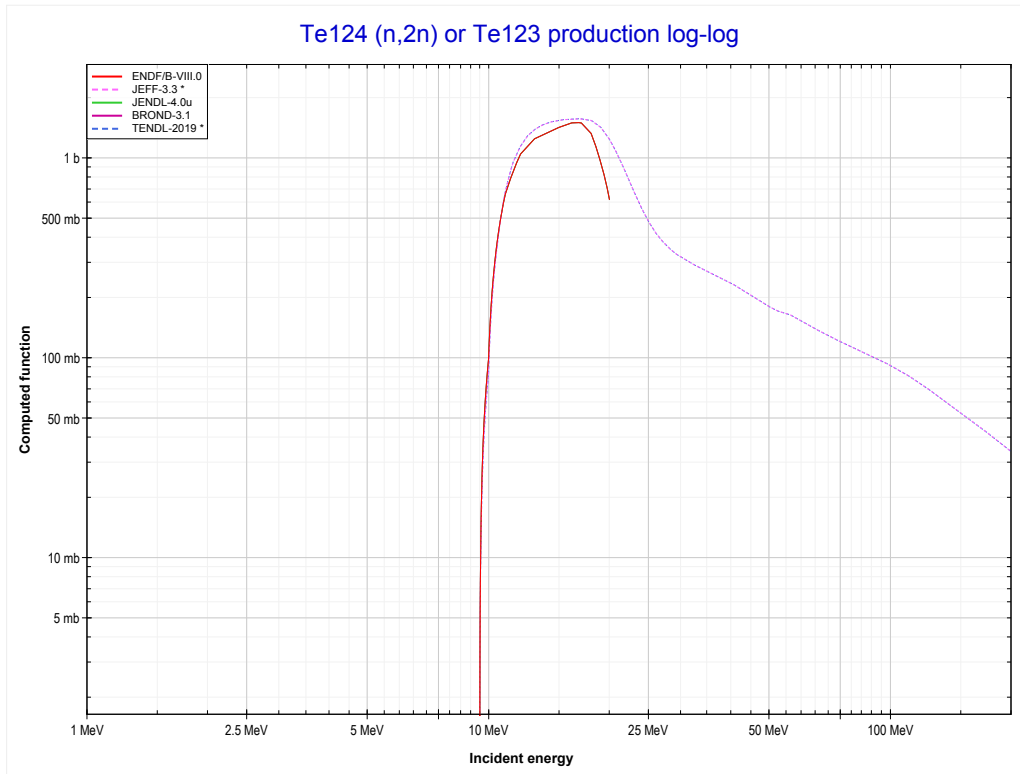
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.17802 b | 7.17802 b | 8.0961 b | 1.1279 | 84.0206 b | 4.81341 b | 3.45038 b |
| JEFF-3.3 | 5.4443 b | 5.4443 b | 6.1402 b | 1.12783 | 76.6297 b | 4.45275 b | 2.64519 b |
| JENDL-4.0u | 3.66749 b | 3.66749 b | 4.1373 b | 1.12809 | 68.6077 b | 4.81289 b | 3.45038 b |
| BROND-3.1 | 7.17802 b | 7.17802 b | 8.0961 b | 1.1279 | 84.0206 b | 4.81341 b | 3.45038 b |
| TENDL-2019 | 8.06047 b | 8.06047 b | 9.0911 b | 1.12787 | 88.4346 b | 4.42517 b | 2.64519 b |

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|--------------------|---|----------------|
| << 52-Te-123m | 52-Te-124 | 52-Te-126 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Te124 production) | MT16 (n,2n) >> |



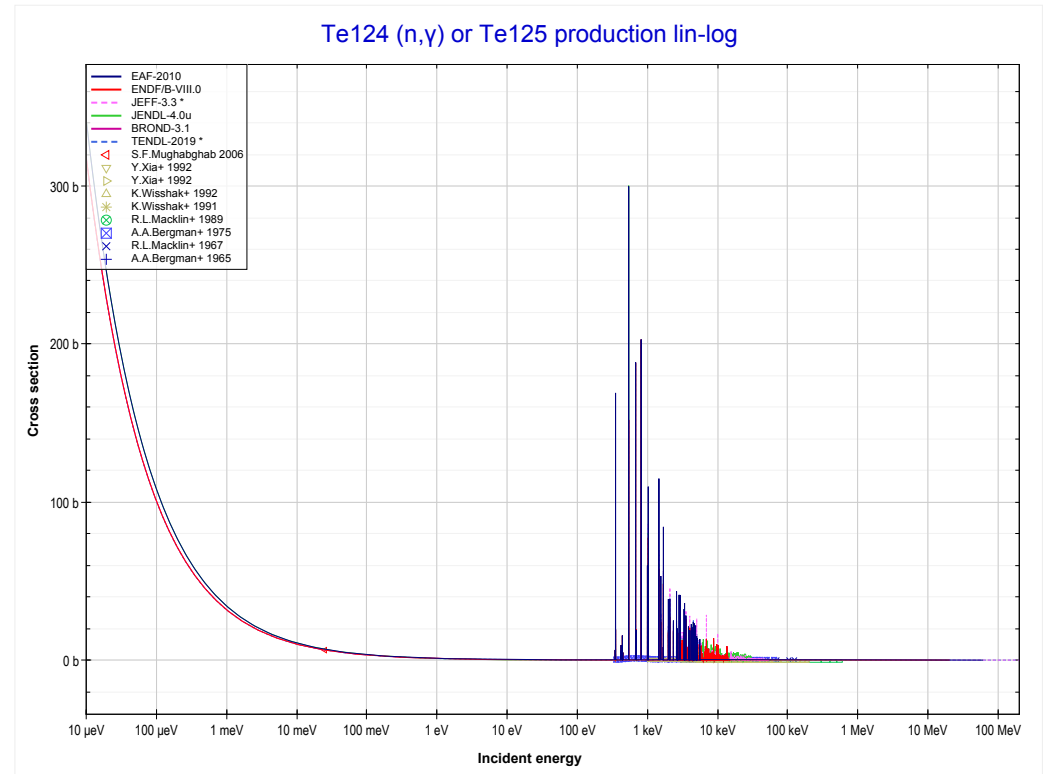
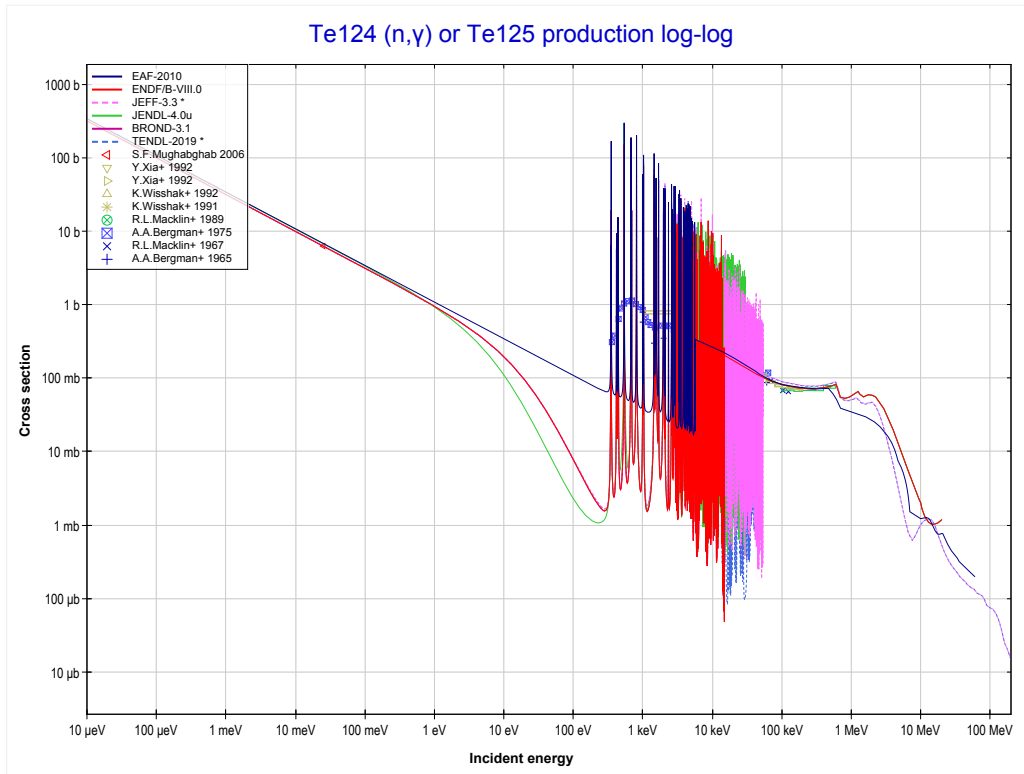
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01591 b | 0.175949 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35483 b | 0.531898 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.01591 b | 0.175949 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01591 b | 0.175949 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3551 b | 0.531181 b |

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|---------------|--|-------------------------|
| << 52-Te-122 | 52-Te-124 | 52-Te-126 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Te123 production) | MT102 (n, γ) >> |



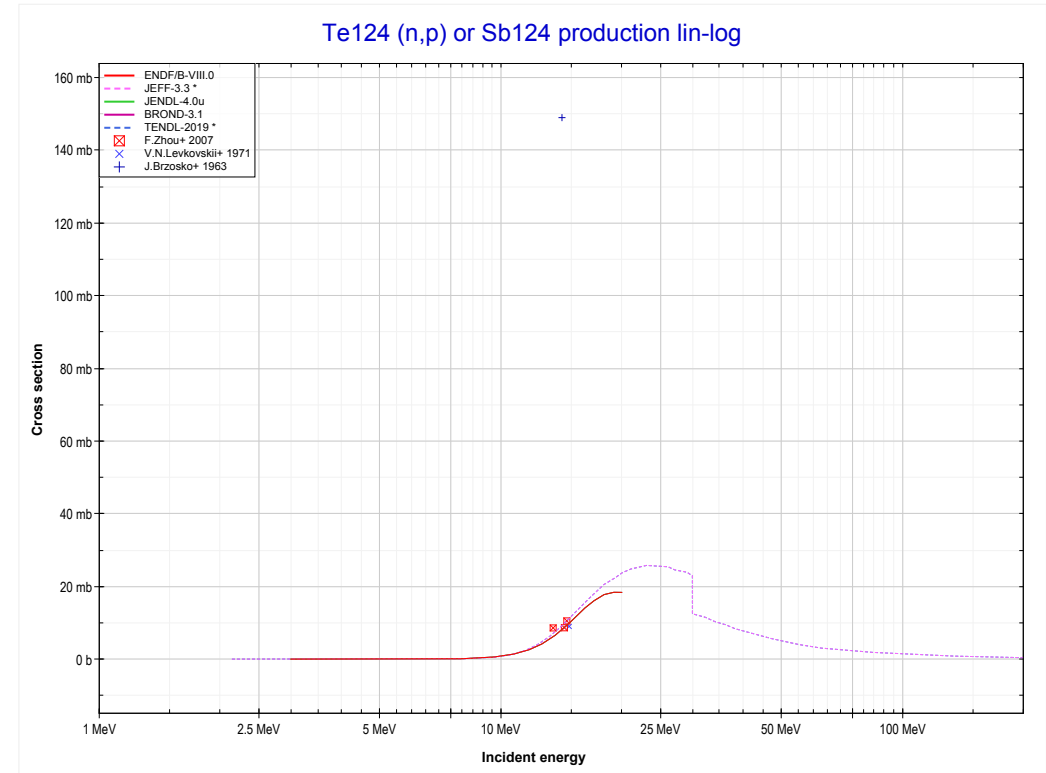
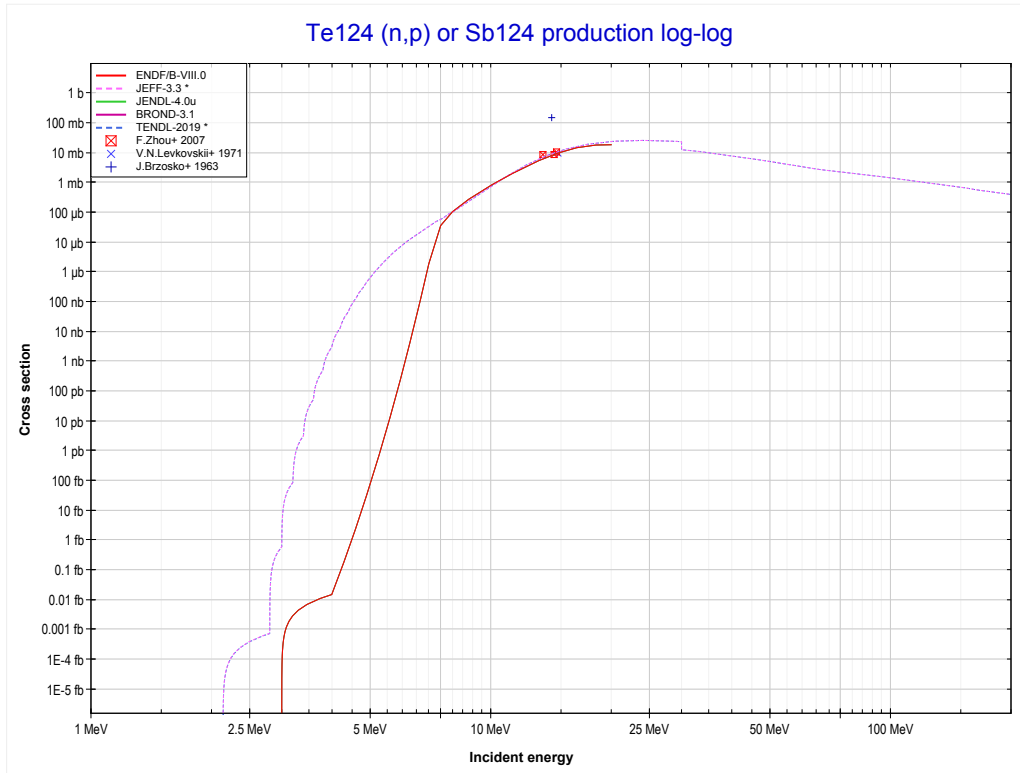
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139156 b | 1.3371 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147485 b | 1.4927 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139156 b | 1.3371 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139156 b | 1.3371 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00147774 b | 1.49397 b |

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| << 52-Te-123 | 52-Te-124 | 52-Te-125 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Te125 production) | MT103 (n,p) >> |



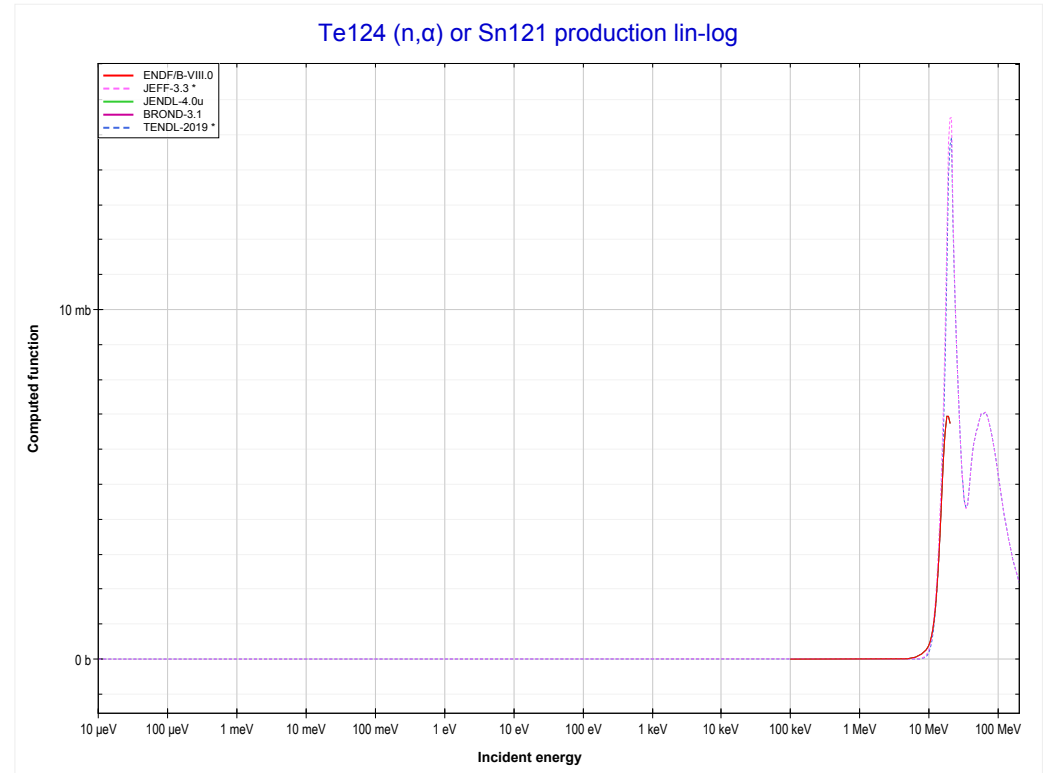
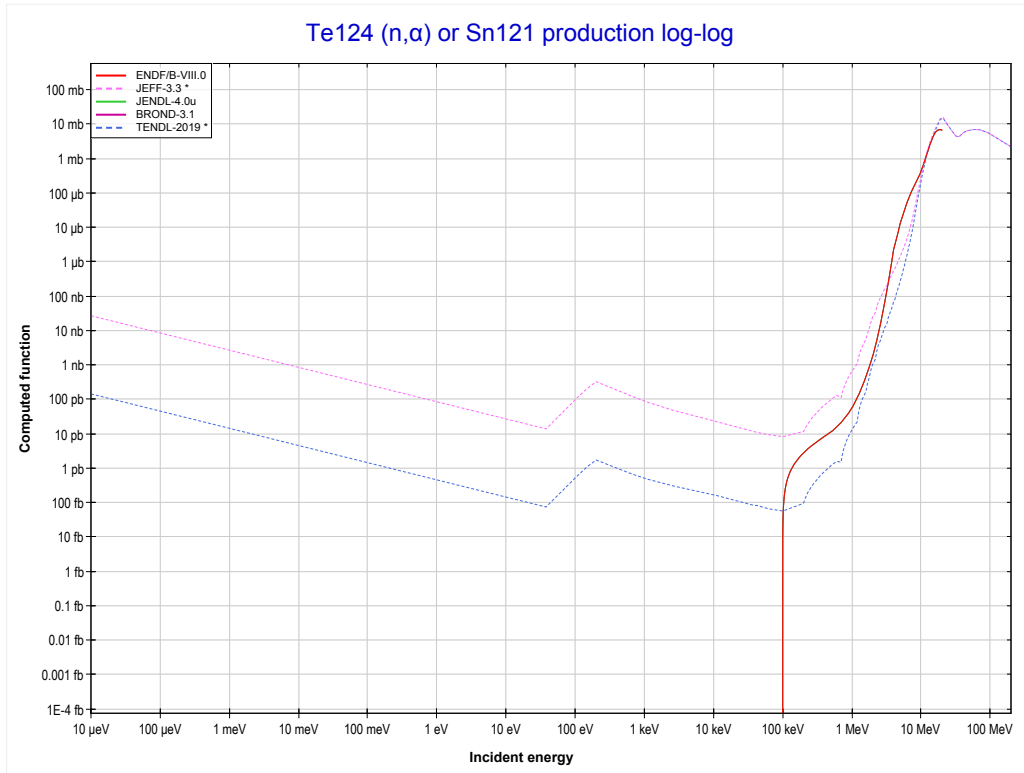
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.80843 b | 6.80333 b | 6.8015 b | 0.99974 | 7.51907 b | 0.0338455 b | 0.00113 b |
| ENDF/B-VIII.0 | 6.32373 b | 6.32373 b | 6.3221 b | 0.99974 | 5.03562 b | 0.0519193 b | 0.00103496 b |
| JEFF-3.3 | 6.33404 b | 6.33404 b | 6.3321 b | 0.99969 | 5.15537 b | 0.0442942 b | 0.00119454 b |
| JENDL-4.0u | 6.78552 b | 6.78552 b | 6.7755 b | 0.99852 | 5.37278 b | 0.0520173 b | 0.00103496 b |
| BROND-3.1 | 6.32373 b | 6.32373 b | 6.3221 b | 0.99974 | 5.03562 b | 0.0519193 b | 0.00103496 b |
| TENDL-2019 | 6.30694 b | 6.30694 b | 6.303 b | 0.99937 | 5.12359 b | 0.0437316 b | 0.00119403 b |

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|-------------------------|--|-------------------------|
| << 52-Te-122 | 52-Te-124 | 52-Te-126 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb124 production) | MT107 (n, α) >> |



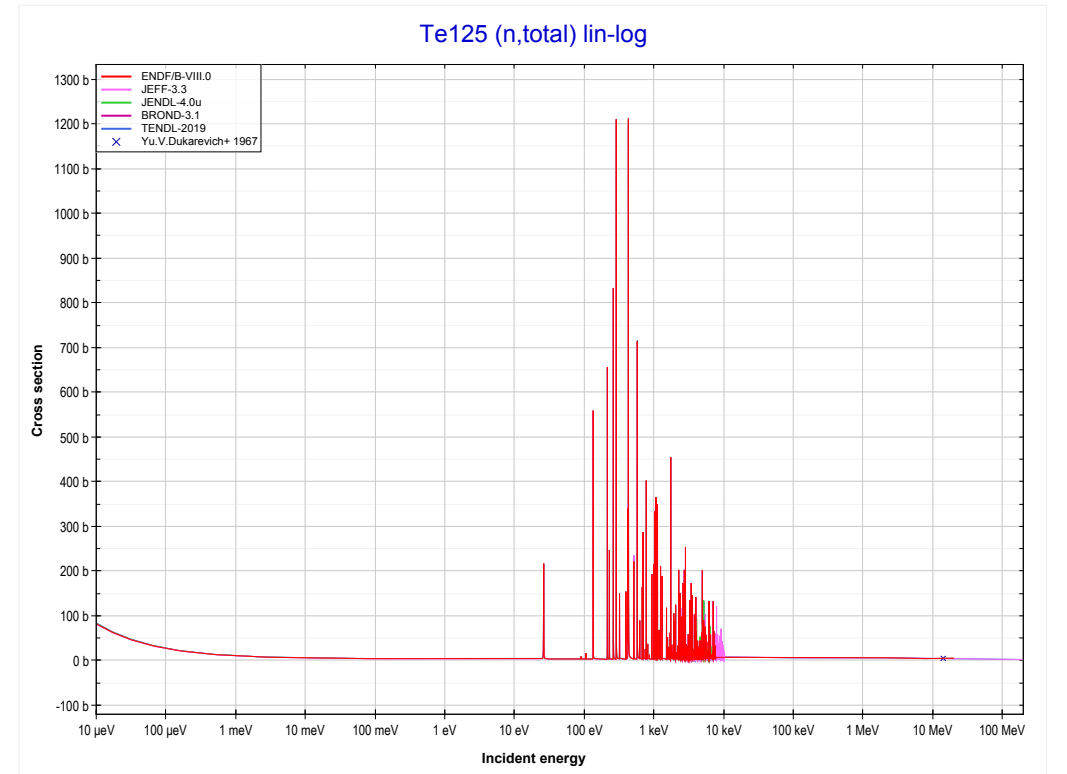
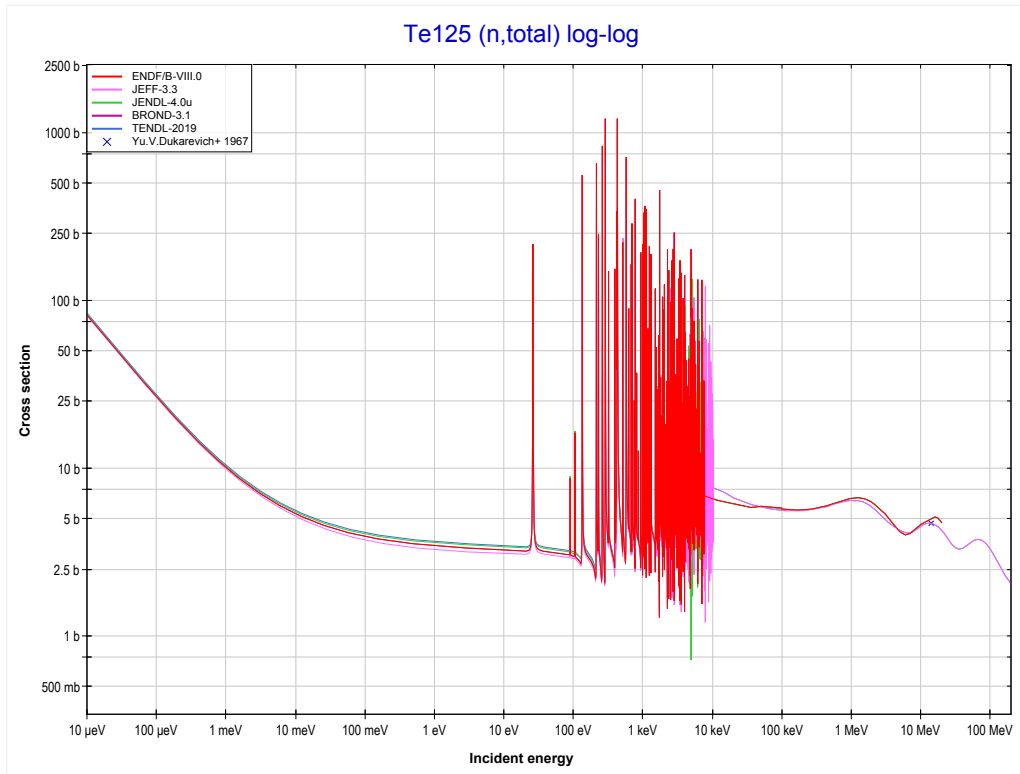
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.18272E-6 b | 0.00756753 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94453E-6 b | 0.00853968 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.18272E-6 b | 0.00756753 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.18272E-6 b | 0.00756753 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.93853E-6 b | 0.00853614 b |

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|----------------|--|----------------------------|
| << 52-Te-123 | 52-Te-124 | 52-Te-126 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Sn121 production) | 52-Te-125 MT1 (n,total) >> |



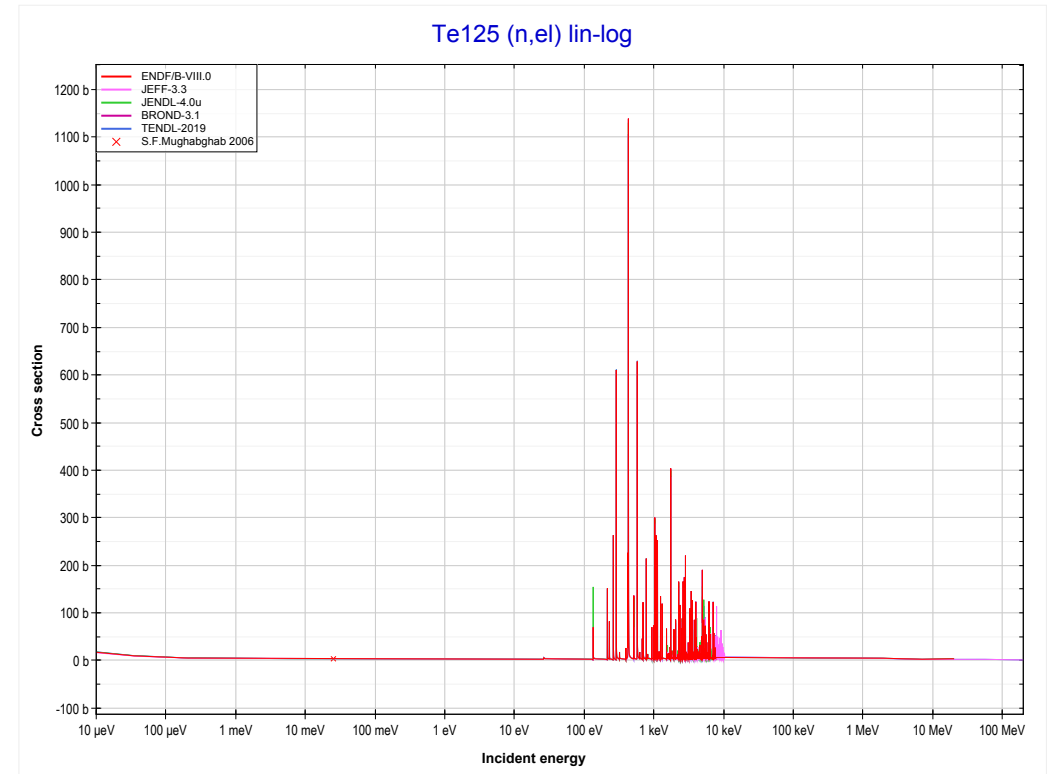
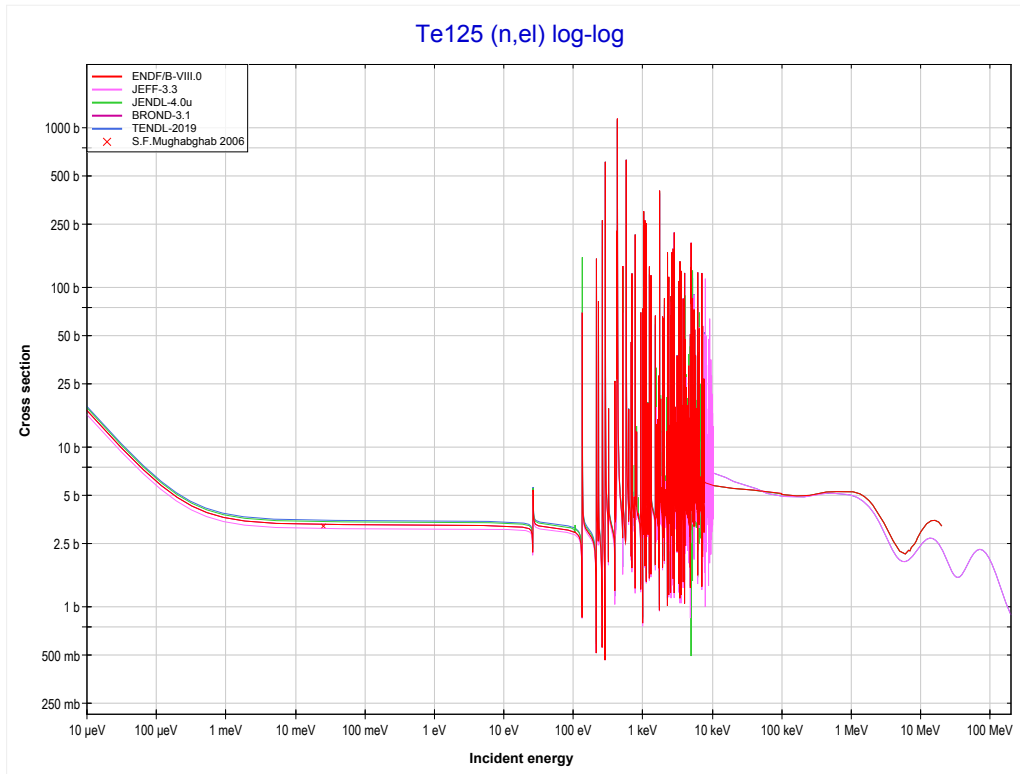
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.67057E-24 b | 6.62589E-6 b | 0.003173 b |
| JEFF-3.3 | 5.33478E-10 b | 5.33478E-10 b | 5.3358E-10 b | 1.00019 | 8.21686E-10 b | 3.45982E-6 b | 0.00369836 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.62589E-6 b | 0.003173 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.67057E-24 b | 6.62589E-6 b | 0.003173 b |
| TENDL-2019 | 2.8621E-12 b | 2.8621E-12 b | 2.8607E-12 b | 0.99952 | 4.55413E-12 b | 2.55428E-6 b | 0.00316566 b |

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|-----------------------------------|----------------------|--------------------|
| << 52-Te-124 | 52-Te-125 | 52-Te-126 >> |
| << 52-Te-124 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



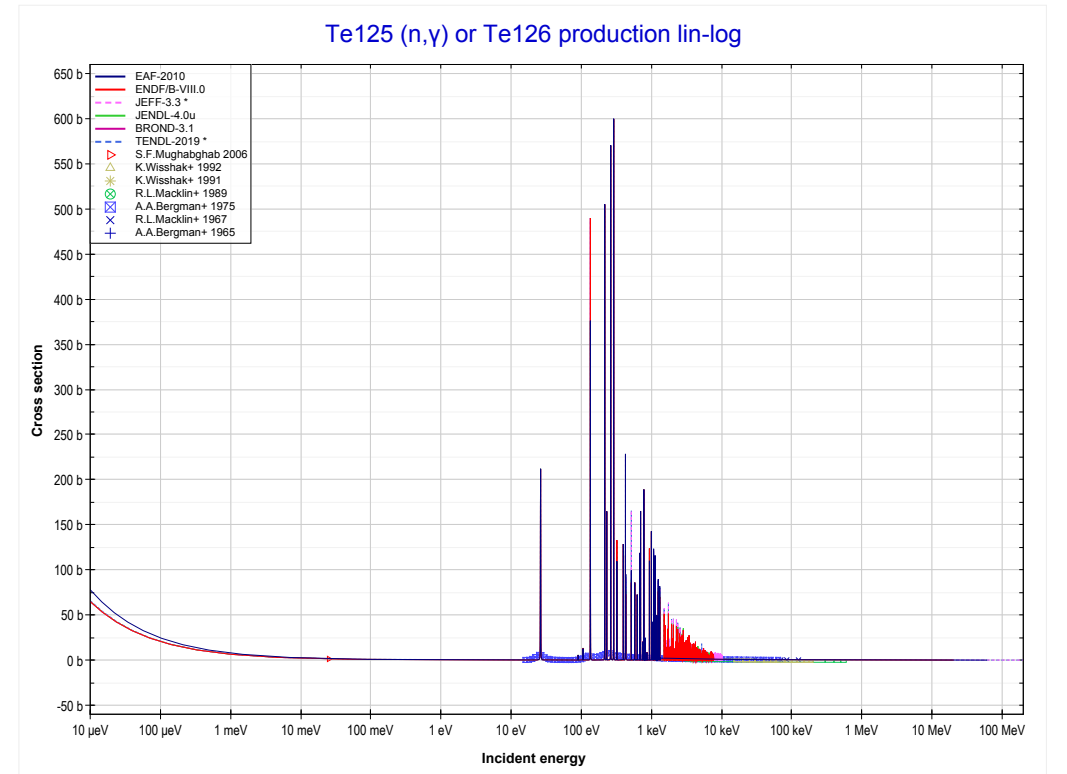
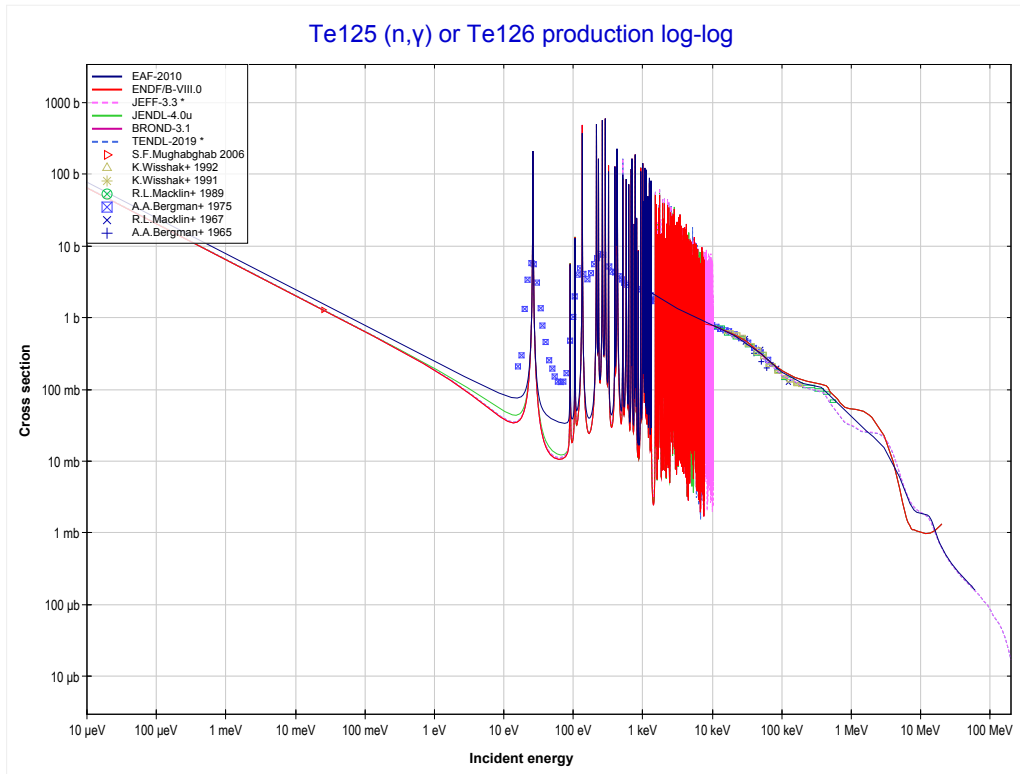
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.56963 b | 4.56963 b | 4.9897 b | 1.09193 | 94.2876 b | 5.87614 b | 4.97553 b |
| JEFF-3.3 | 4.38268 b | 4.38268 b | 4.7786 b | 1.09035 | 93.5064 b | 5.66353 b | 4.69684 b |
| JENDL-4.0u | 4.70743 b | 4.70743 b | 5.1455 b | 1.09306 | 94.7688 b | 5.87583 b | 4.97553 b |
| BROND-3.1 | 4.56963 b | 4.56963 b | 4.9897 b | 1.09193 | 94.2876 b | 5.87614 b | 4.97553 b |
| TENDL-2019 | 4.79317 b | 4.79317 b | 5.2389 b | 1.09299 | 97.2649 b | 5.66489 b | 4.69685 b |

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|------------------|------------------------|-------------------------|
| << 52-Te-124 | 52-Te-125 | 52-Te-126 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



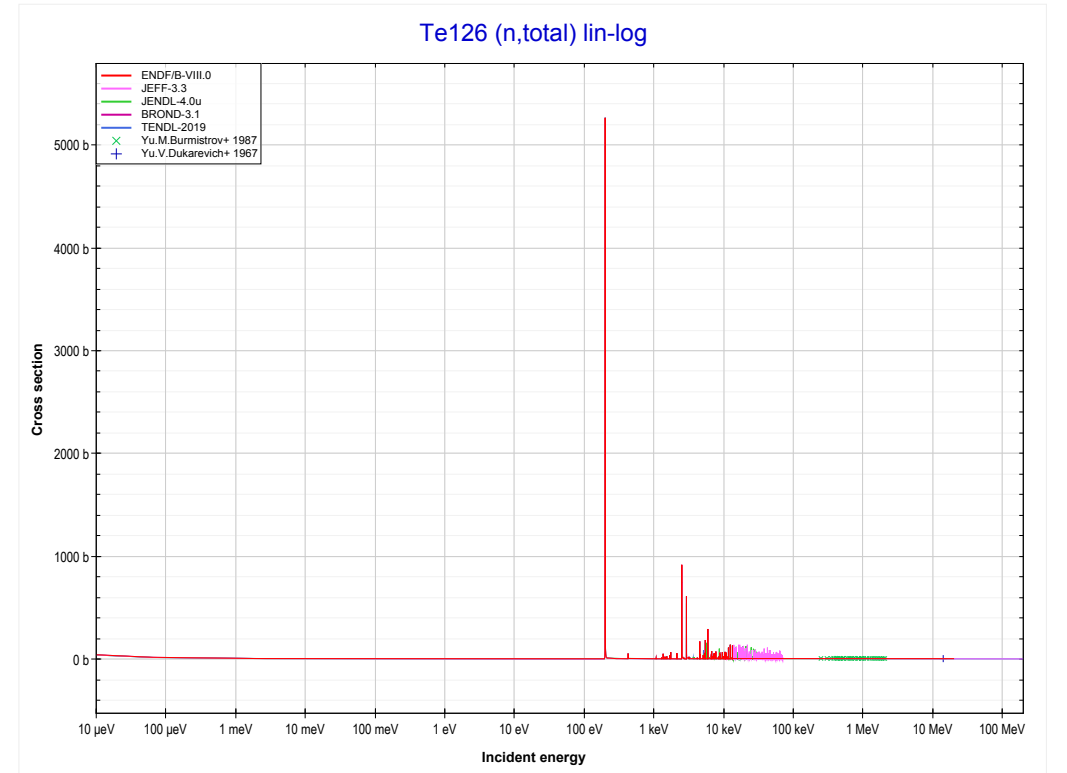
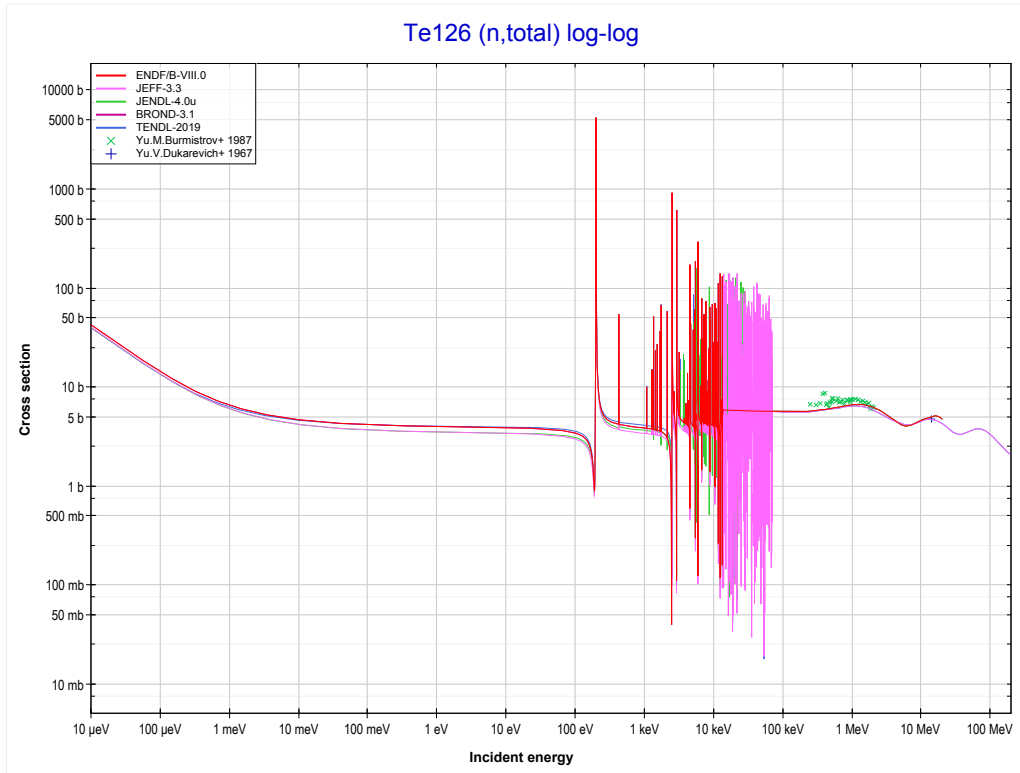
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.28288 b | 3.28288 b | 3.7041 b | 1.12829 | 72.0027 b | 4.33383 b | 3.45712 b |
| JEFF-3.3 | 3.09365 b | 3.09365 b | 3.4907 b | 1.12835 | 70.4204 b | 4.04729 b | 2.69871 b |
| JENDL-4.0u | 3.41495 b | 3.41495 b | 3.8532 b | 1.12832 | 72.9102 b | 4.3335 b | 3.45712 b |
| BROND-3.1 | 3.28288 b | 3.28288 b | 3.7041 b | 1.12829 | 72.0027 b | 4.33383 b | 3.45712 b |
| TENDL-2019 | 3.48421 b | 3.48421 b | 3.9315 b | 1.12837 | 74.121 b | 4.04746 b | 2.69871 b |

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|--------------------|--|----------------------------|
| << 52-Te-124 | 52-Te-125 | 52-Te-126 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Te126 production) | 52-Te-126 MT1 (n,total) >> |



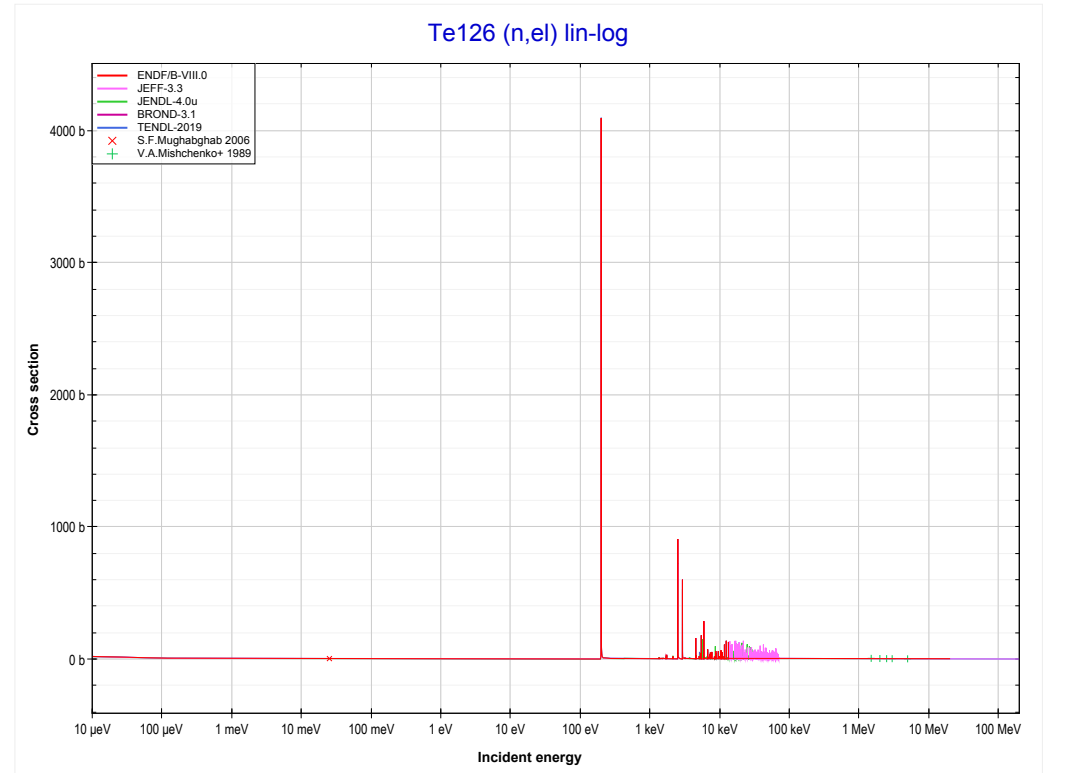
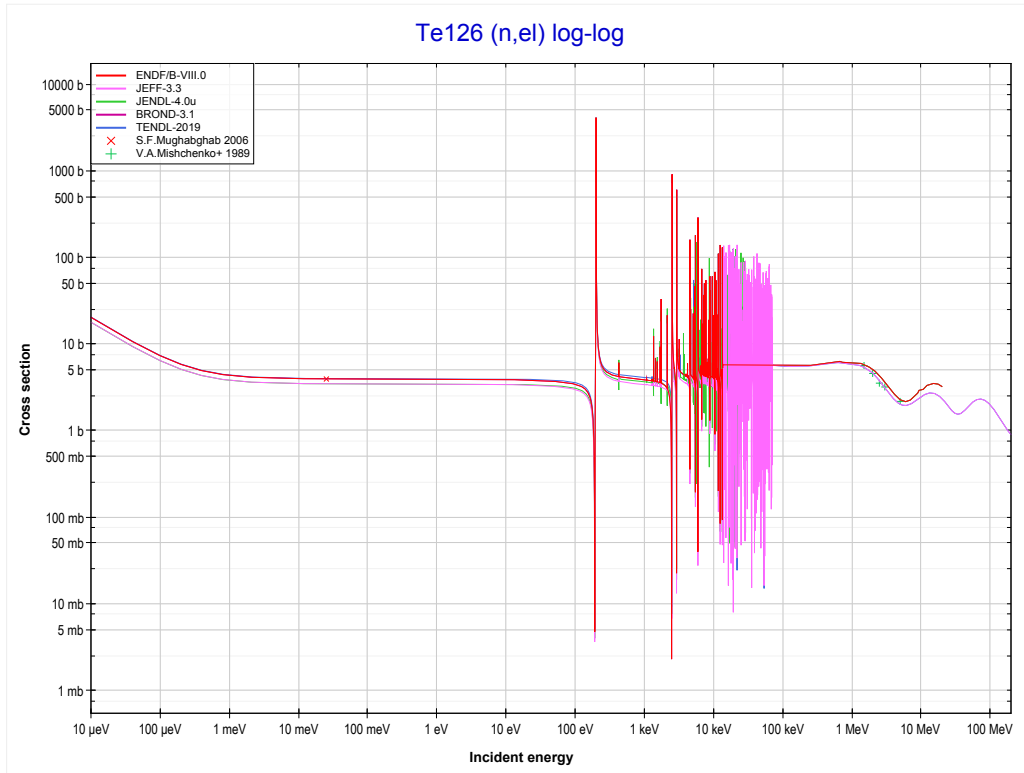
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.55189 b | 1.55072 b | 1.5504 b | 0.99979 | 22.9014 b | 0.0429891 b | 0.00156299 b |
| ENDF/B-VIII.0 | 1.28675 b | 1.28675 b | 1.2857 b | 0.99916 | 21.9627 b | 0.0535323 b | 0.0010002 b |
| JEFF-3.3 | 1.28903 b | 1.28903 b | 1.2879 b | 0.99914 | 22.77 b | 0.038909 b | 0.00142917 b |
| JENDL-4.0u | 1.29248 b | 1.29248 b | 1.2923 b | 0.99989 | 21.5365 b | 0.0535426 b | 0.0010002 b |
| BROND-3.1 | 1.28675 b | 1.28675 b | 1.2857 b | 0.99916 | 21.9627 b | 0.0535323 b | 0.0010002 b |
| TENDL-2019 | 1.30896 b | 1.30896 b | 1.3074 b | 0.99881 | 22.8218 b | 0.0384601 b | 0.0014279 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 52-Te-125 | 52-Te-126 | 52-Te-128 >> |
| << 52-Te-125 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



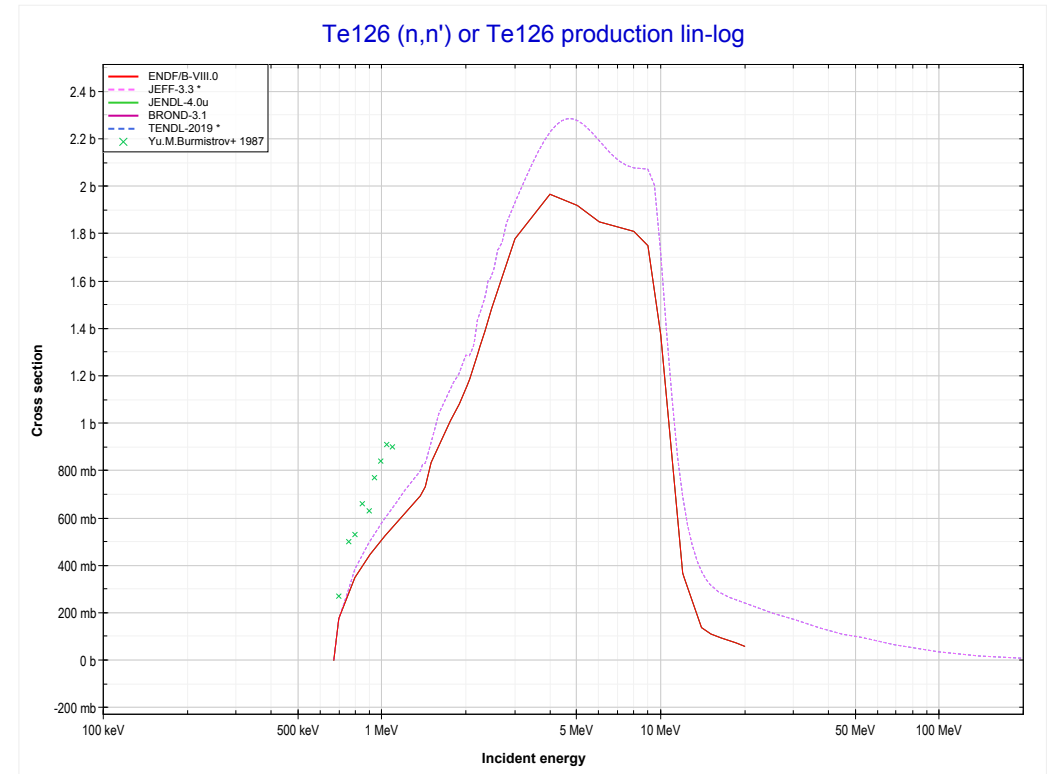
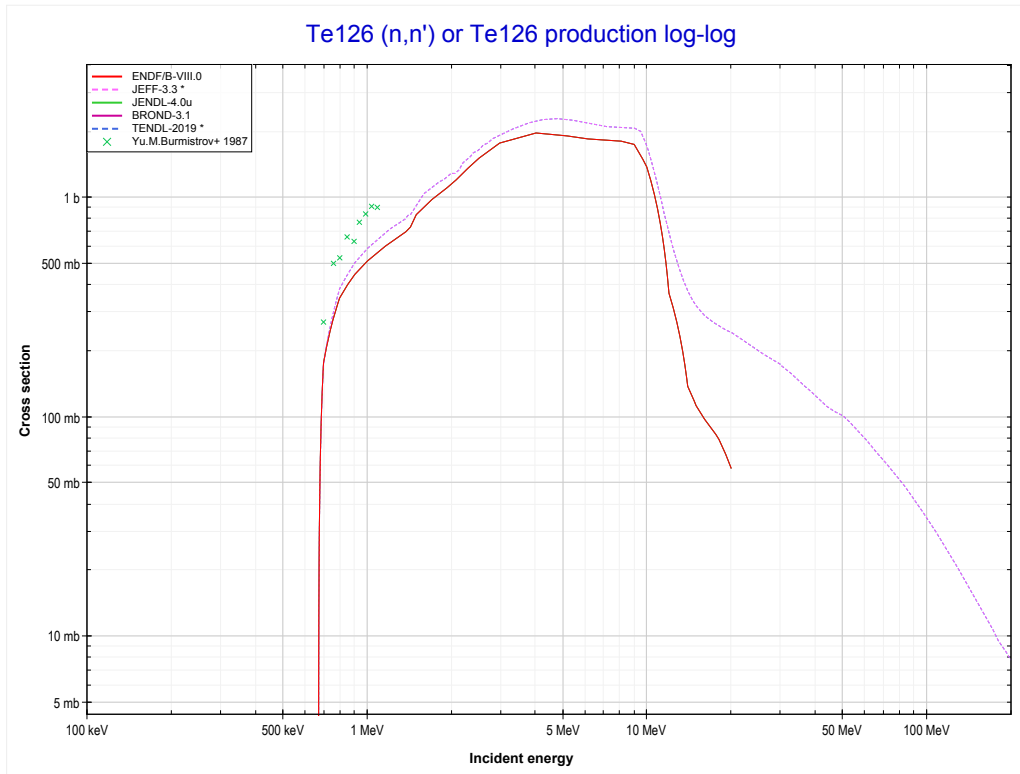
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.3721 b | 4.3721 b | 4.8766 b | 1.11538 | 86.7731 b | 5.87815 b | 4.97589 b |
| JEFF-3.3 | 3.89654 b | 3.89654 b | 4.3396 b | 1.11371 | 81.0774 b | 5.67046 b | 4.70994 b |
| JENDL-4.0u | 3.88653 b | 3.88653 b | 4.329 b | 1.11384 | 81.2371 b | 5.8777 b | 4.97589 b |
| BROND-3.1 | 4.3721 b | 4.3721 b | 4.8766 b | 1.11538 | 86.7731 b | 5.87815 b | 4.97589 b |
| TENDL-2019 | 4.34176 b | 4.34176 b | 4.8504 b | 1.11715 | 85.014 b | 5.65712 b | 4.70994 b |

| | | |
|------------------|------------------------|---------------|
| << 52-Te-125 | 52-Te-126 | 52-Te-130 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



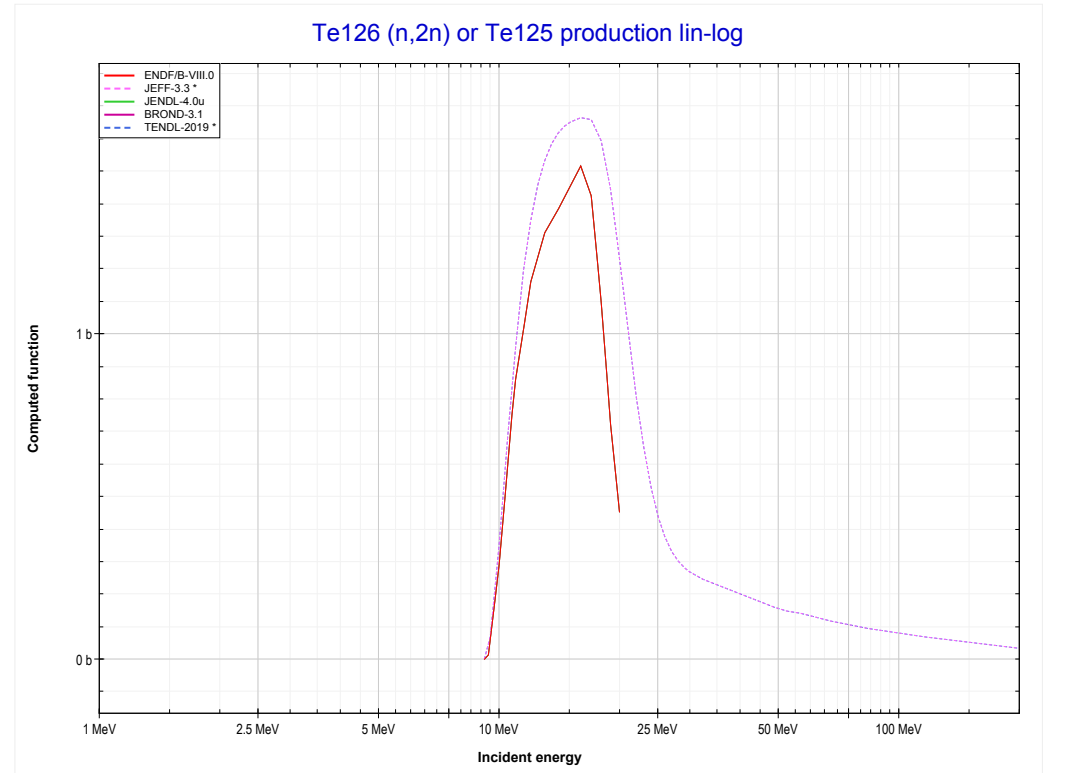
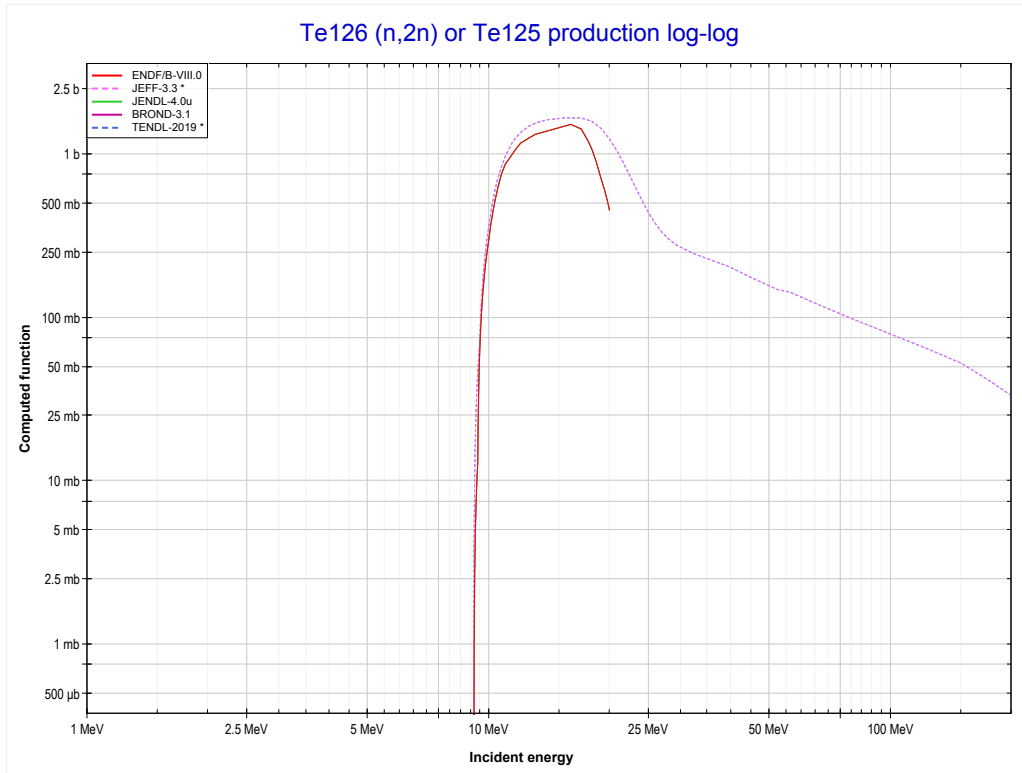
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.92982 b | 3.92982 b | 4.4342 b | 1.12833 | 79.2979 b | 4.90422 b | 3.45312 b |
| JEFF-3.3 | 3.45194 b | 3.45194 b | 3.8949 b | 1.12833 | 73.5532 b | 4.59094 b | 2.71362 b |
| JENDL-4.0u | 3.4465 b | 3.4465 b | 3.8888 b | 1.12835 | 73.428 b | 4.90367 b | 3.45312 b |
| BROND-3.1 | 3.92982 b | 3.92982 b | 4.4342 b | 1.12833 | 79.2979 b | 4.90422 b | 3.45312 b |
| TENDL-2019 | 3.96046 b | 3.96046 b | 4.4691 b | 1.12842 | 77.547 b | 4.5776 b | 2.71362 b |

| | | |
|--------------------|---|----------------|
| << 52-Te-124 | 52-Te-126 | 52-Te-128 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Te126 production) | MT16 (n,2n) >> |



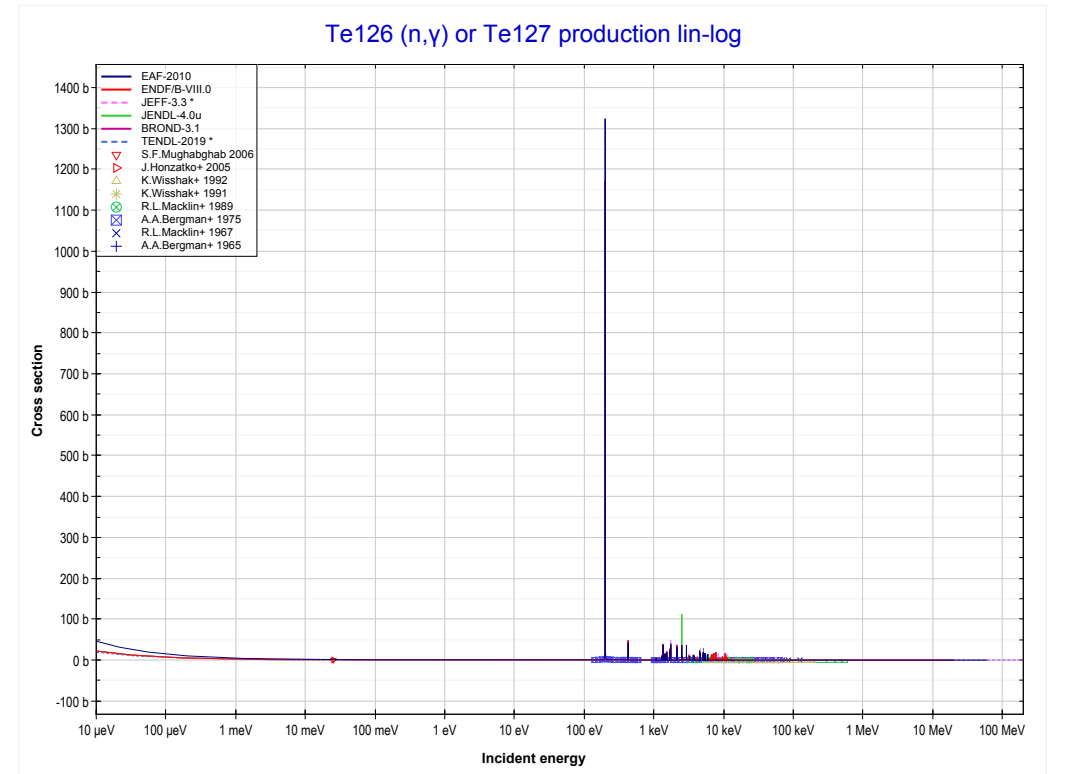
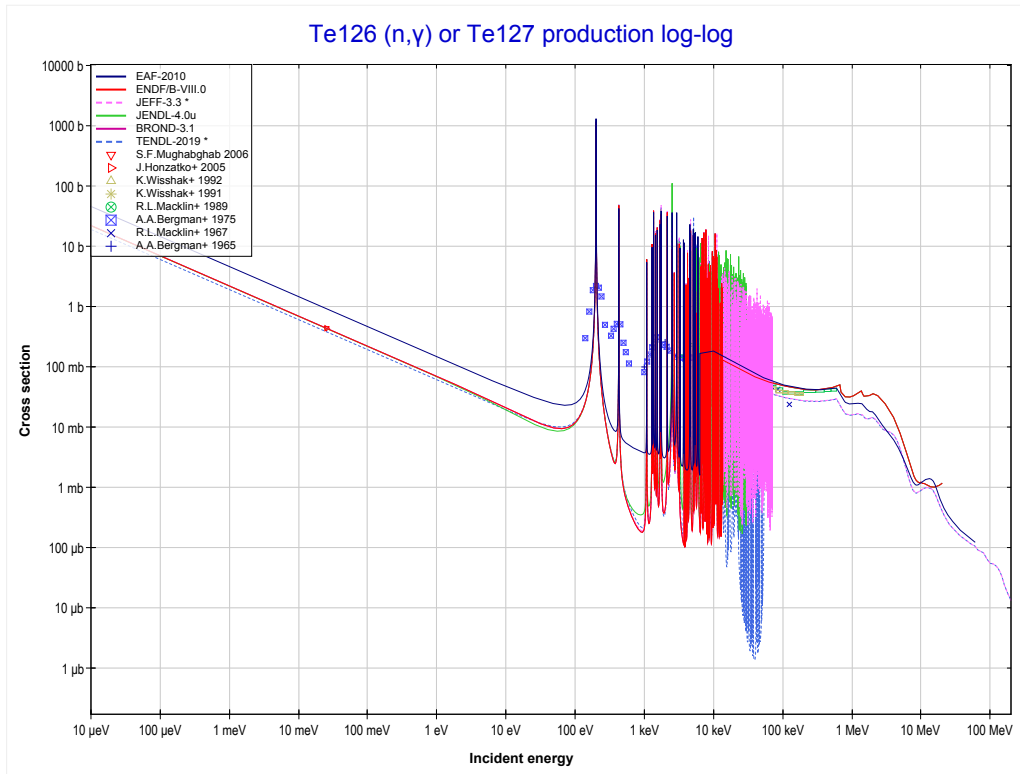
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.940492 b | 0.137618 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06155 b | 0.375031 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.940492 b | 0.137618 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.940492 b | 0.137618 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06164 b | 0.374851 b |

| | | |
|---------------|--|-------------------------|
| << 52-Te-124 | 52-Te-126 | 52-Te-128 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Te125 production) | MT102 (n, γ) >> |



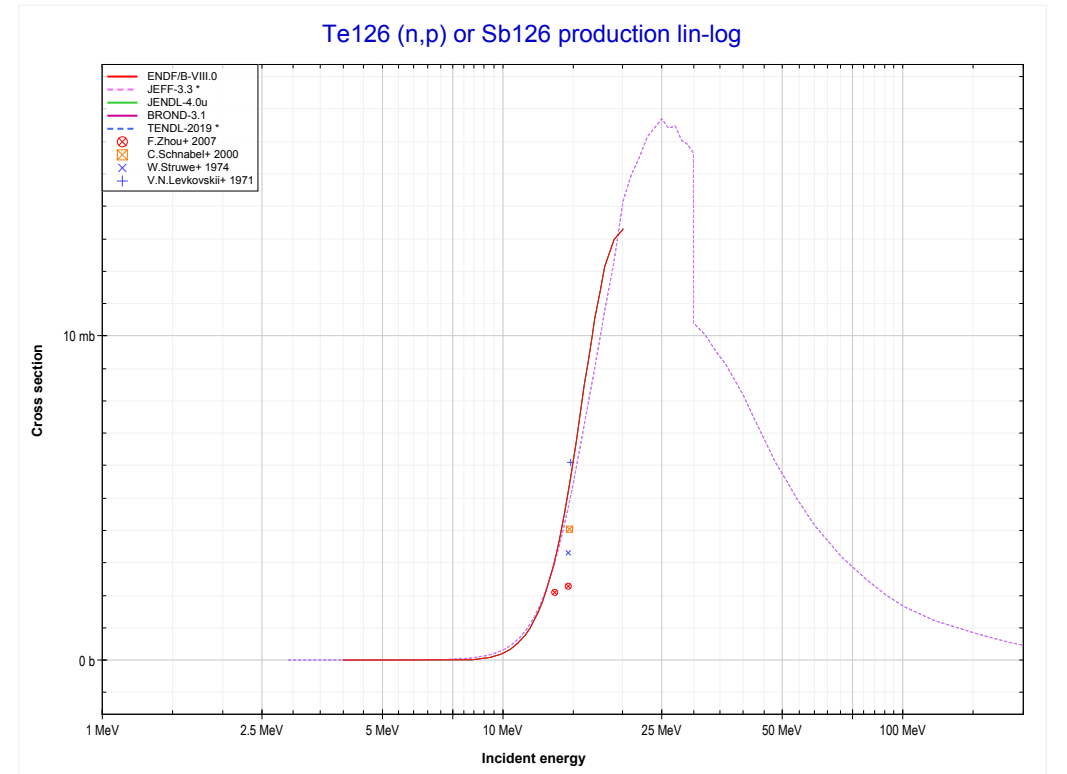
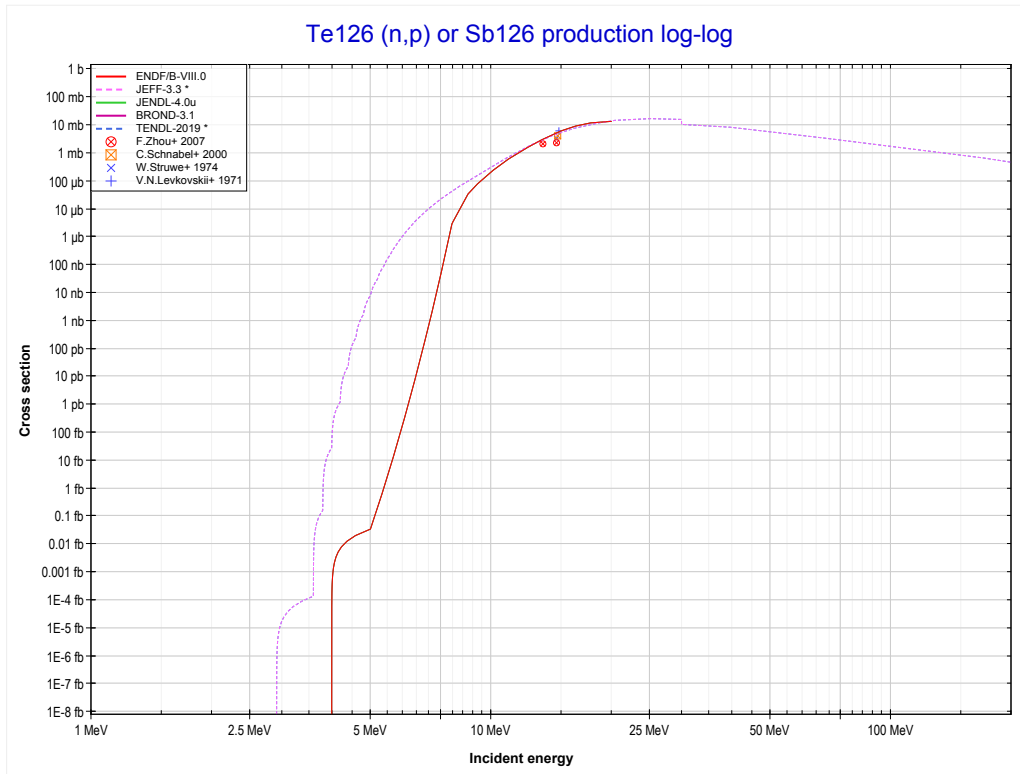
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00182338 b | 1.37831 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00212929 b | 1.61471 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00182338 b | 1.37831 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00182338 b | 1.37831 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00213042 b | 1.61478 b |

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|----------------|--|----------------|
| << 52-Te-125 | 52-Te-126 | 52-Te-128 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Te127 production) | MT103 (n,p) >> |



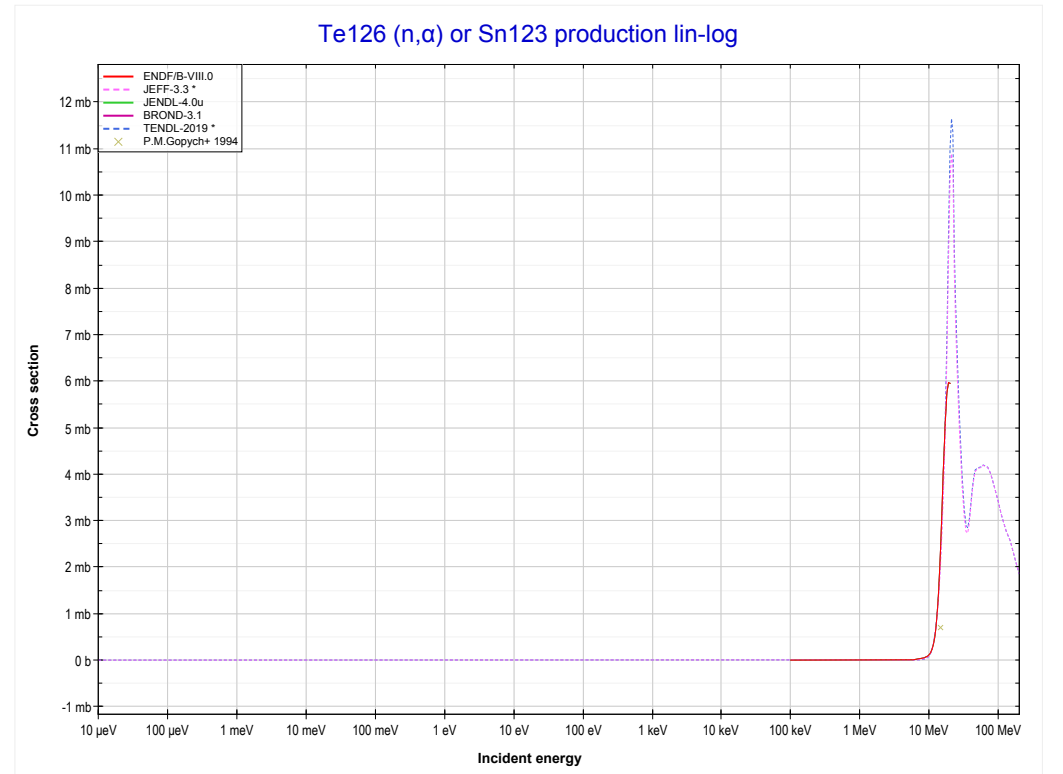
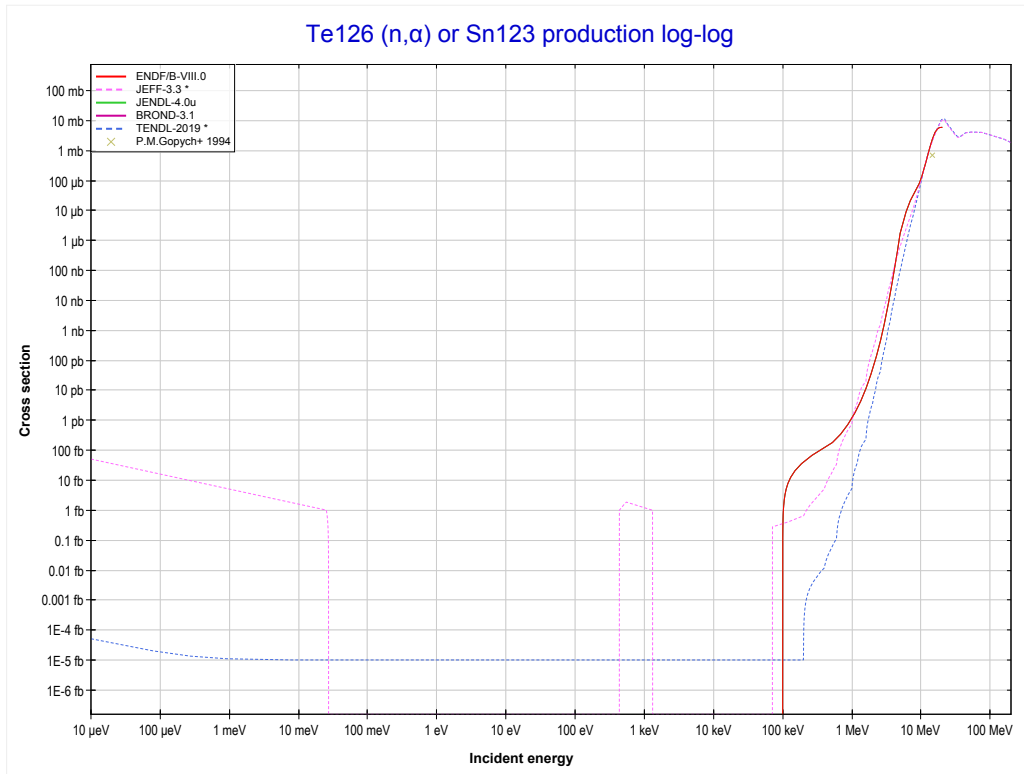
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.92 b | 0.919311 b | 0.91911 b | 0.99978 | 8.99778 b | 0.0221061 b | 0.00137646 b |
| ENDF/B-VIII.0 | 0.442274 b | 0.442274 b | 0.44241 b | 1.00031 | 7.47526 b | 0.031603 b | 0.00101696 b |
| JEFF-3.3 | 0.444601 b | 0.444601 b | 0.44469 b | 1.00021 | 7.5242 b | 0.0158363 b | 9.57825E-4 b |
| JENDL-4.0u | 0.440029 b | 0.440029 b | 0.44012 b | 1.0002 | 7.80909 b | 0.0316973 b | 0.00101696 b |
| BROND-3.1 | 0.442274 b | 0.442274 b | 0.44241 b | 1.00031 | 7.47526 b | 0.031603 b | 0.00101696 b |
| TENDL-2019 | 0.381299 b | 0.381299 b | 0.38132 b | 1.00007 | 7.45632 b | 0.0152955 b | 9.56921E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 52-Te-124 | 52-Te-126 | 52-Te-128 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb126 production) | MT107 (n, α) >> |



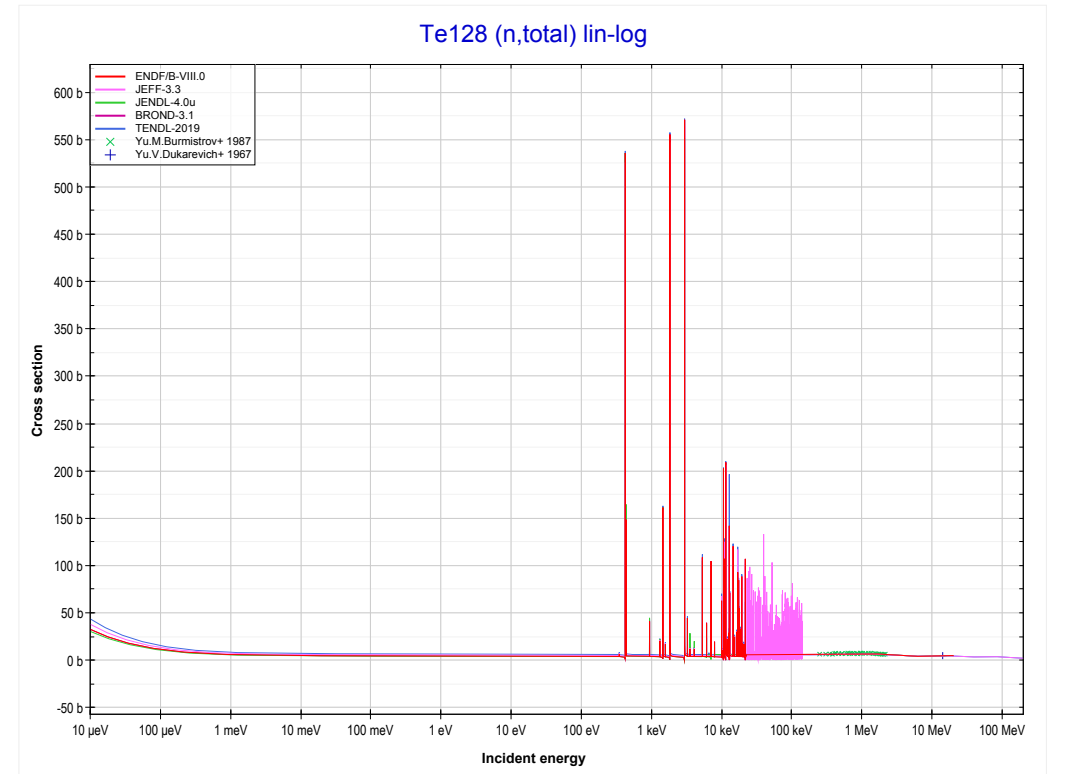
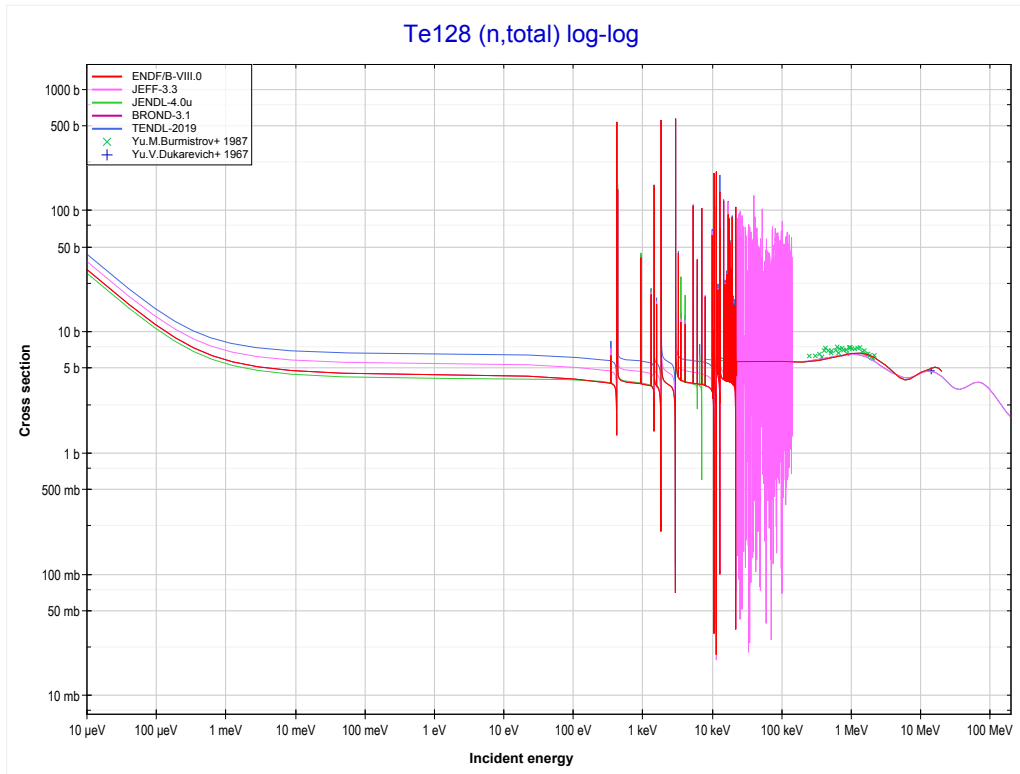
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.59761E-6 b | 0.00397408 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.31518E-6 b | 0.00373942 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.59761E-6 b | 0.00397408 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.59761E-6 b | 0.00397408 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.31518E-6 b | 0.00373935 b |

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|----------------|--|----------------------------|
| << 52-Te-124 | 52-Te-126 | 52-Te-128 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Sn123 production) | 52-Te-128 MT1 (n,total) >> |



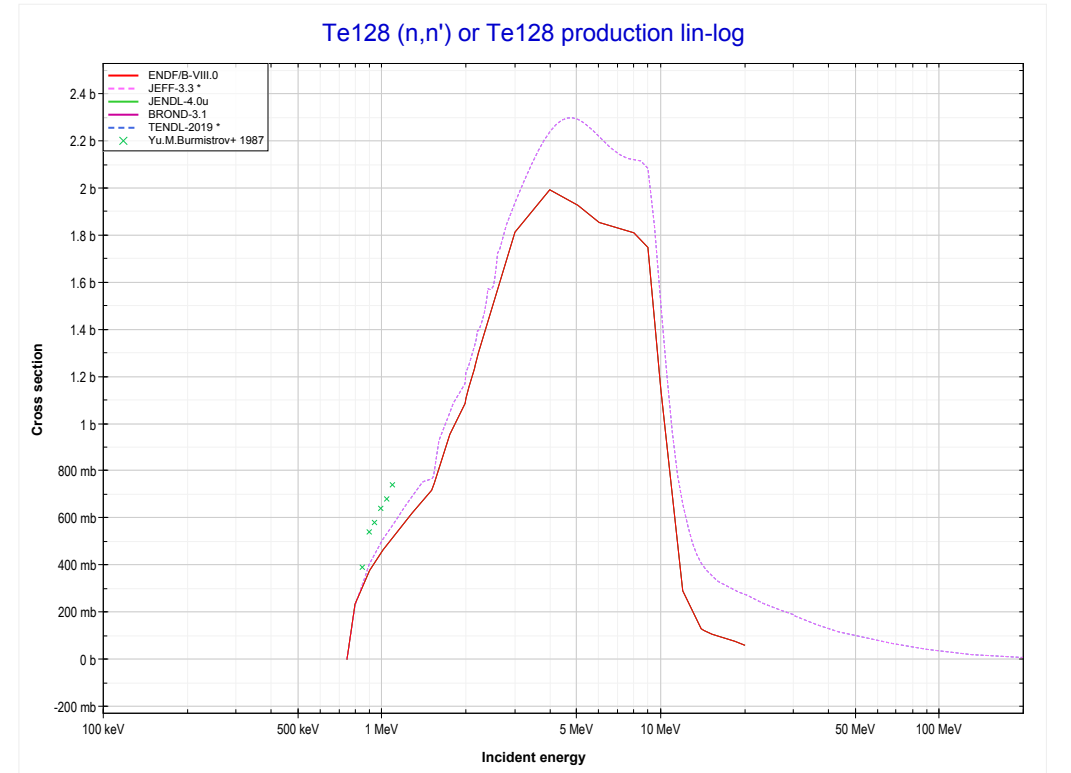
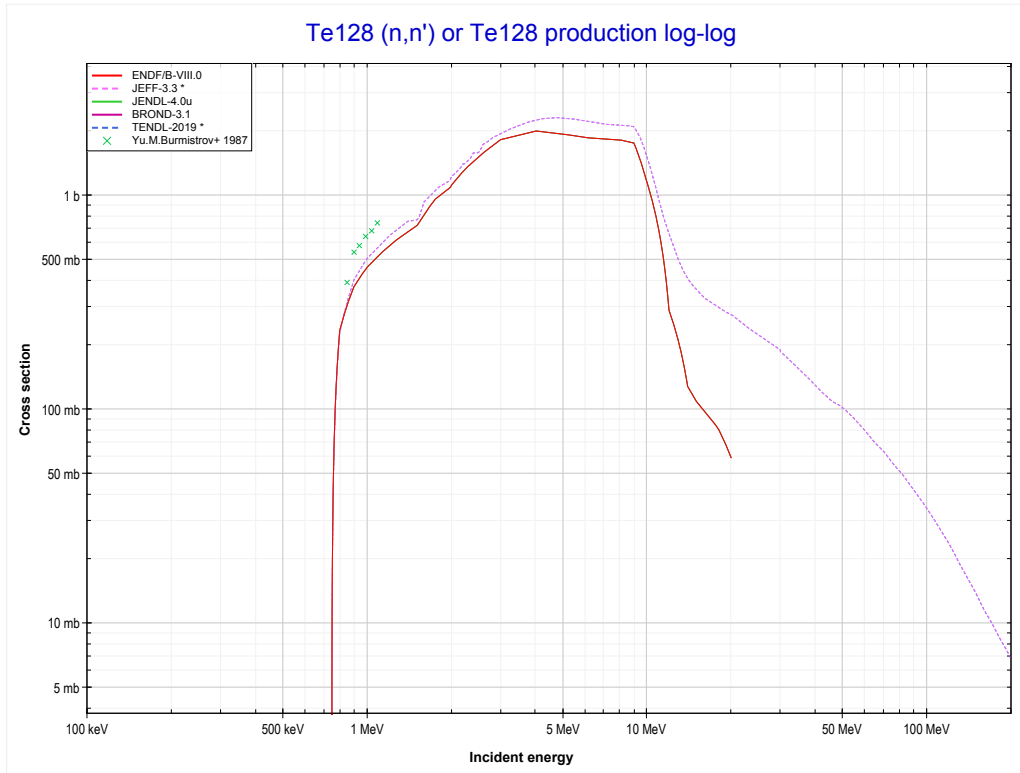
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 8.36941E-26 b | 1.94771E-6 b | 0.00178623 b |
| JEFF-3.3 | 1.0149E-15 b | 1.0149E-15 b | 4.5016E-16 b | 0.44356 | 1.67588E-15 b | 1.39774E-6 b | 0.00157318 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.94772E-6 b | 0.00178623 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 8.36951E-26 b | 1.94772E-6 b | 0.00178623 b |
| TENDL-2019 | 1.004E-20 b | 1.004E-20 b | 1.133E-20 b | 1.12844 | 1.22084E-19 b | 1.2684E-6 b | 0.00169262 b |

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|-----------------------------------|----------------------|---------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << 52-Te-126 MT107 (n, α) | MT1 (n,total) | MT4 (n,n') >> |



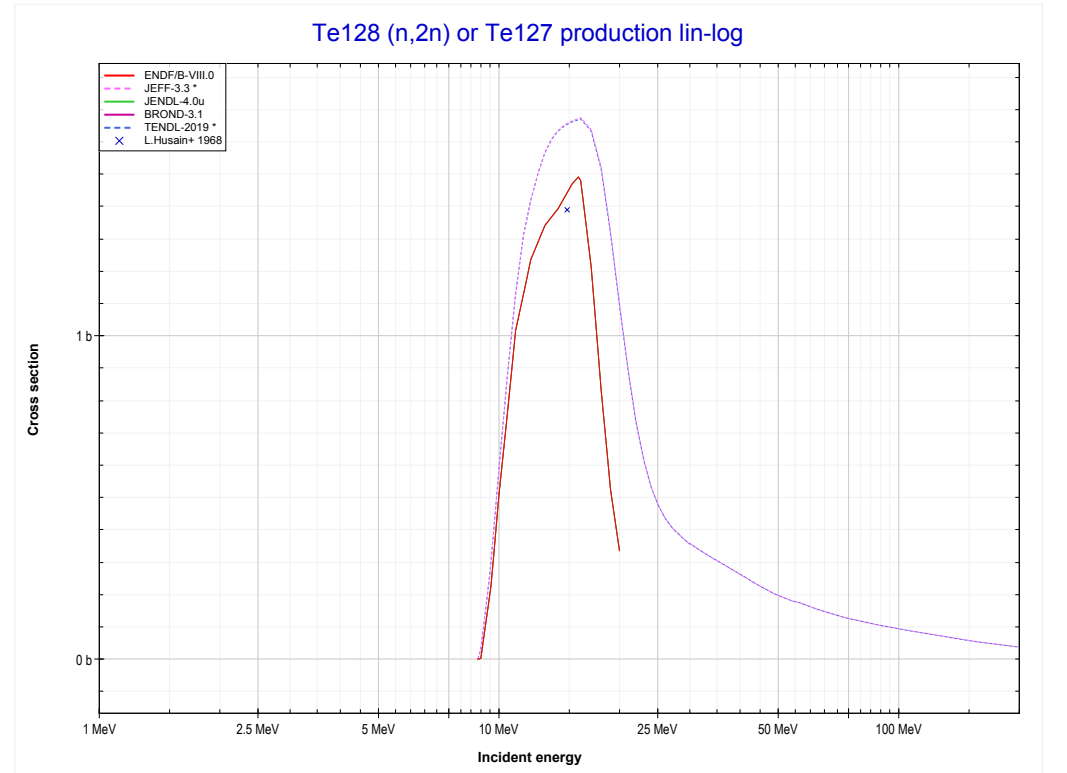
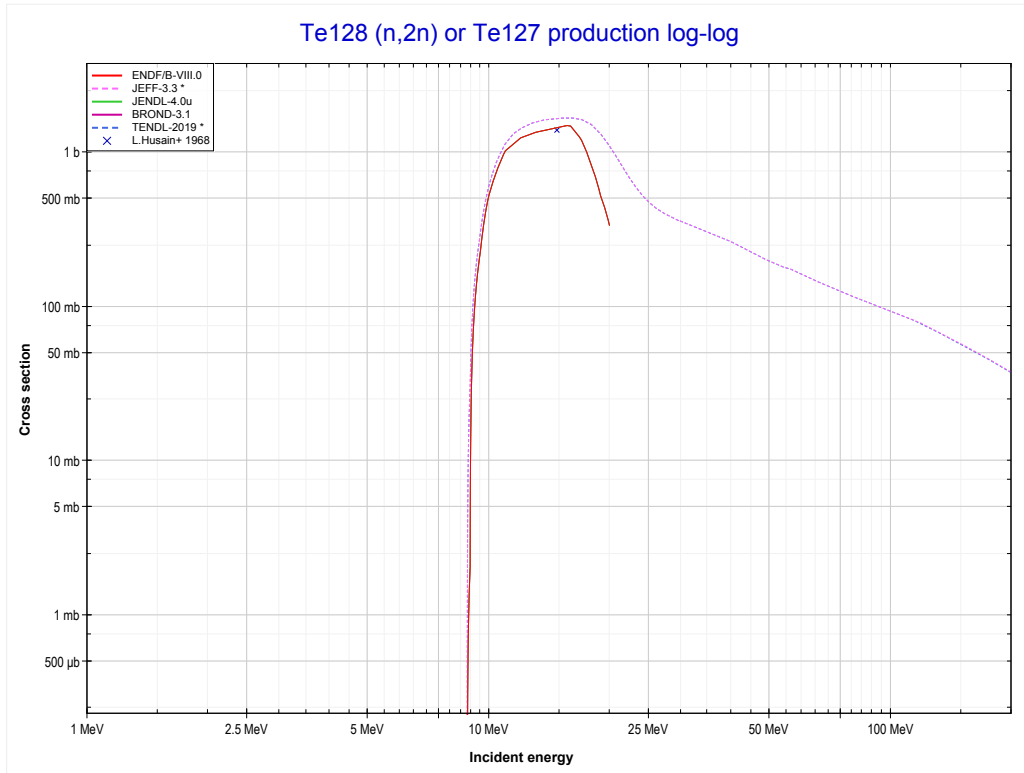
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.60838 b | 4.60838 b | 5.1742 b | 1.12278 | 57.4848 b | 5.87211 b | 4.97574 b |
| JEFF-3.3 | 5.66179 b | 5.66179 b | 6.3629 b | 1.12384 | 70.969 b | 5.79803 b | 4.72658 b |
| JENDL-4.0u | 4.30114 b | 4.30114 b | 4.8294 b | 1.12283 | 56.8517 b | 5.87303 b | 4.97574 b |
| BROND-3.1 | 4.60838 b | 4.60838 b | 5.1742 b | 1.12278 | 57.4848 b | 5.87211 b | 4.97574 b |
| TENDL-2019 | 6.76433 b | 6.76433 b | 7.6072 b | 1.12461 | 79.9134 b | 5.71003 b | 4.7266 b |

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|------------------|---|----------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Te128 production) | MT16 (n,2n) >> |



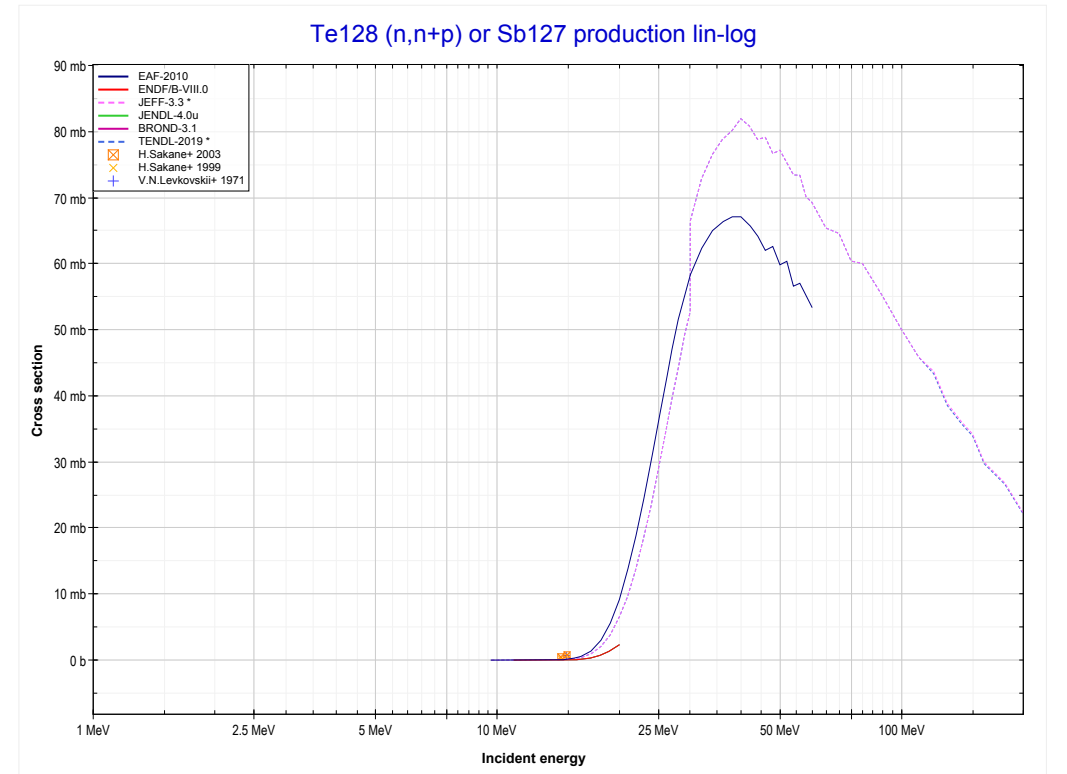
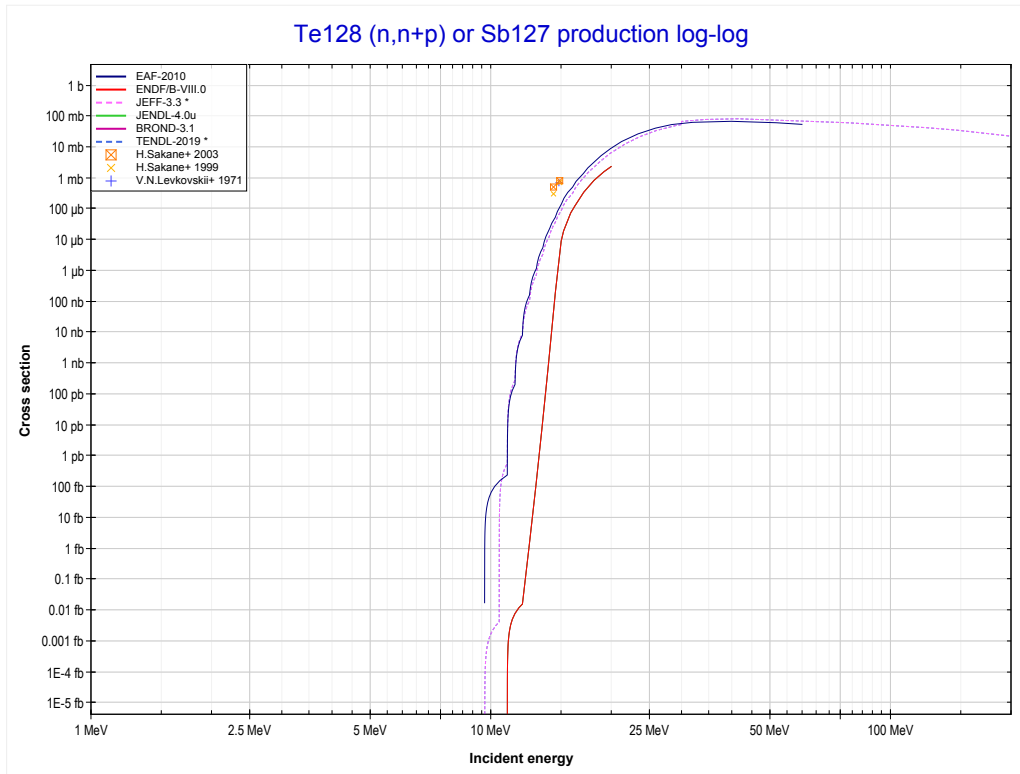
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.91512 b | 0.126972 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01719 b | 0.406301 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.91512 b | 0.126972 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.91512 b | 0.126972 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01728 b | 0.405996 b |

| | | |
|---------------|--|-----------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Te127 production) | MT28 (n,n+p) >> |



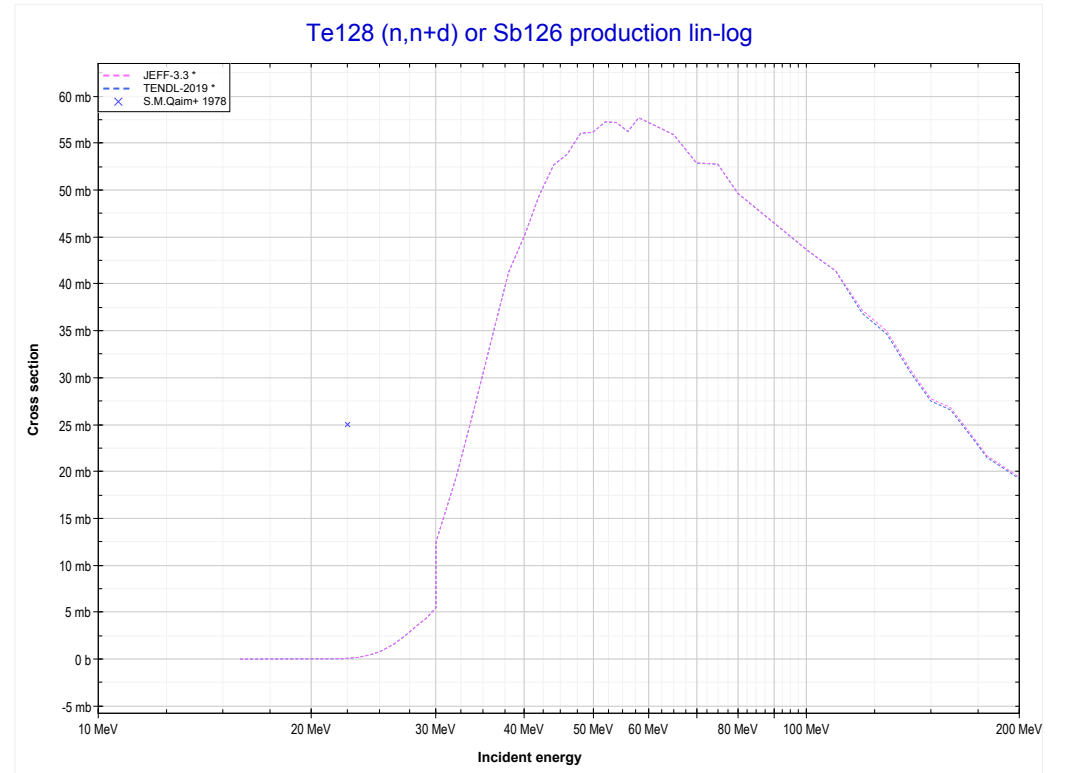
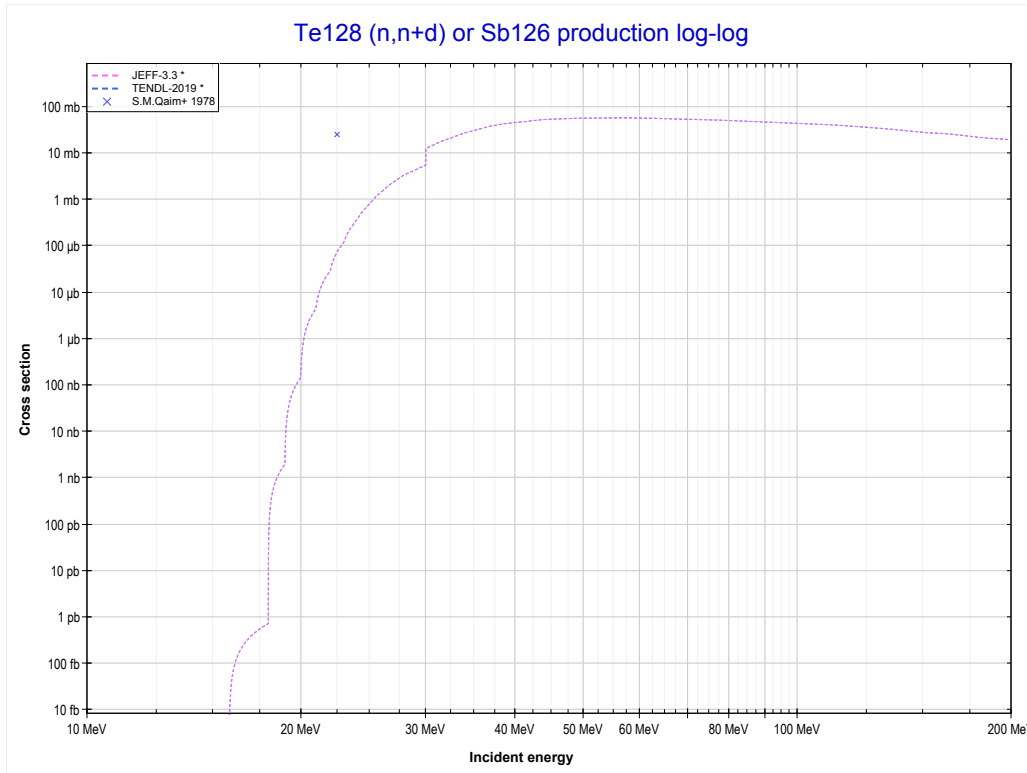
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233388 b | 1.39055 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00275385 b | 1.63388 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233388 b | 1.39055 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233388 b | 1.39055 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00275393 b | 1.63199 b |

| | | |
|----------------|---|-----------------|
| << 52-Te-123 | 52-Te-128 | 52-Te-130 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Sb127 production) | MT32 (n,n+d) >> |



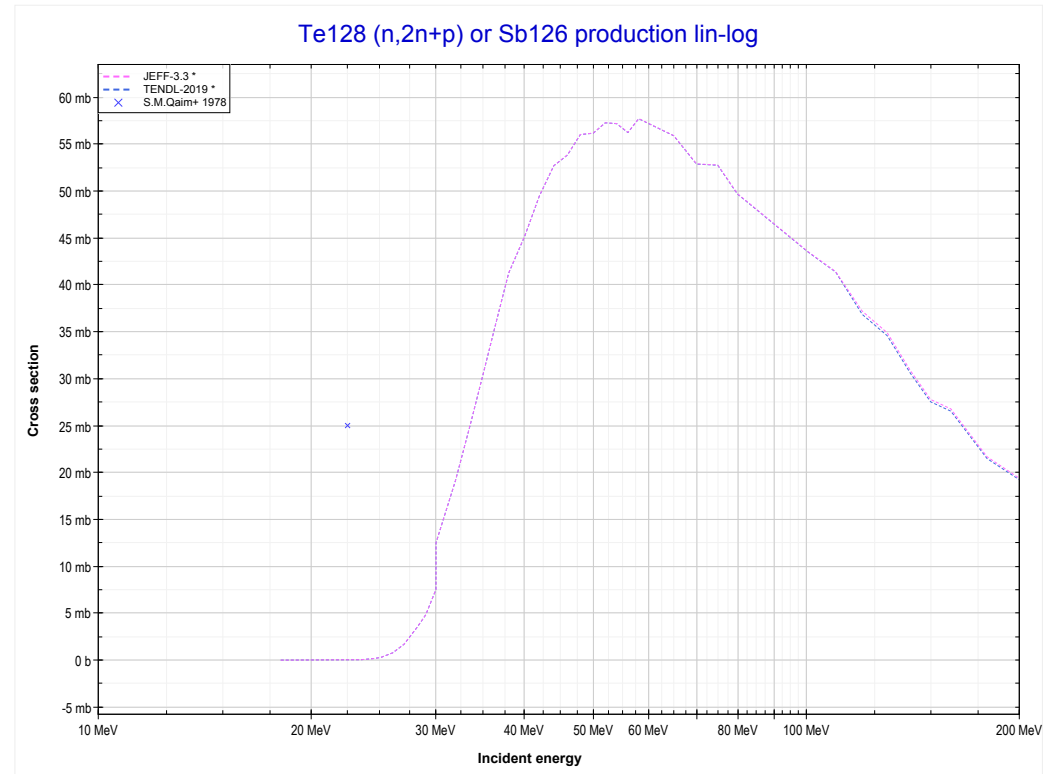
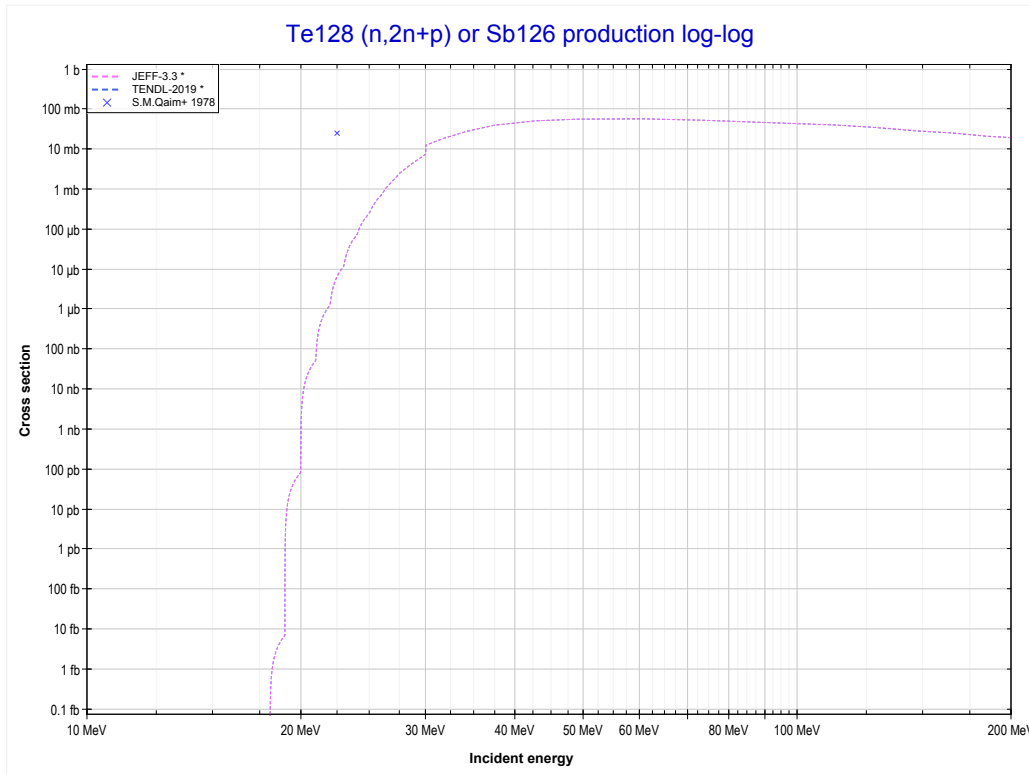
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37721E-8 b | 1.62917E-9 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50617E-8 b | 1.23182E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.37721E-8 b | 1.62917E-9 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37721E-8 b | 1.62917E-9 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50582E-8 b | 1.23215E-5 b |

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|-----------------|---|------------------|
| << 46-Pd-102 | 52-Te-128 | 56-Ba-134 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Sb126 production) | MT41 (n,2n+p) >> |



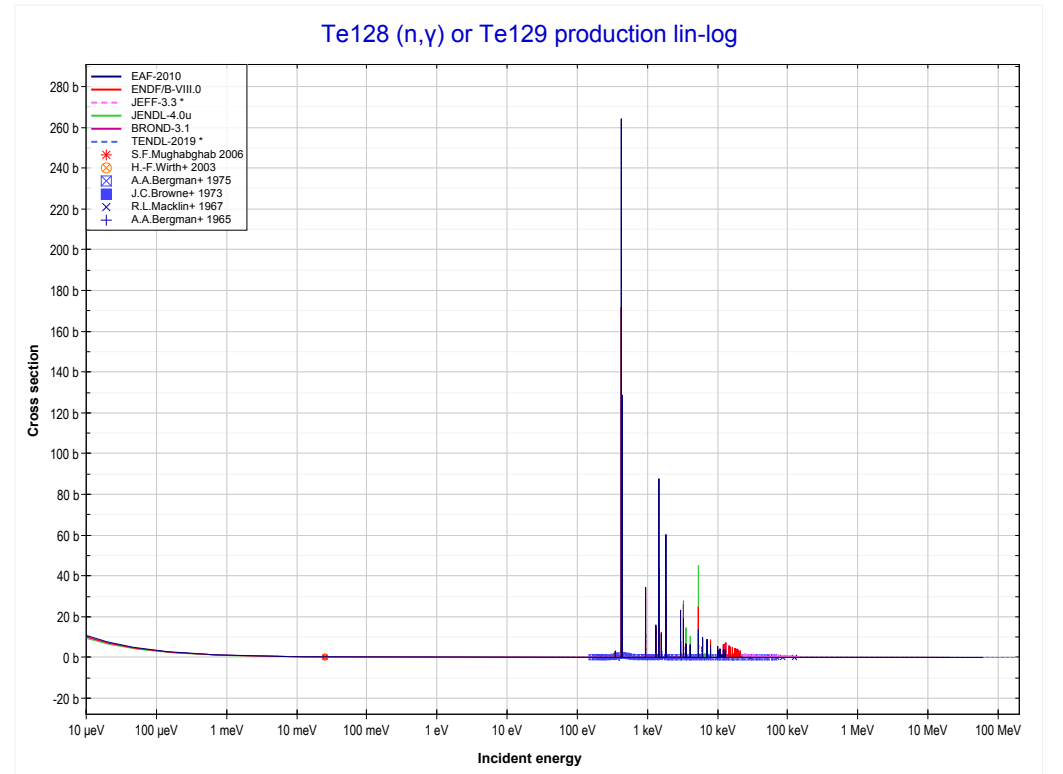
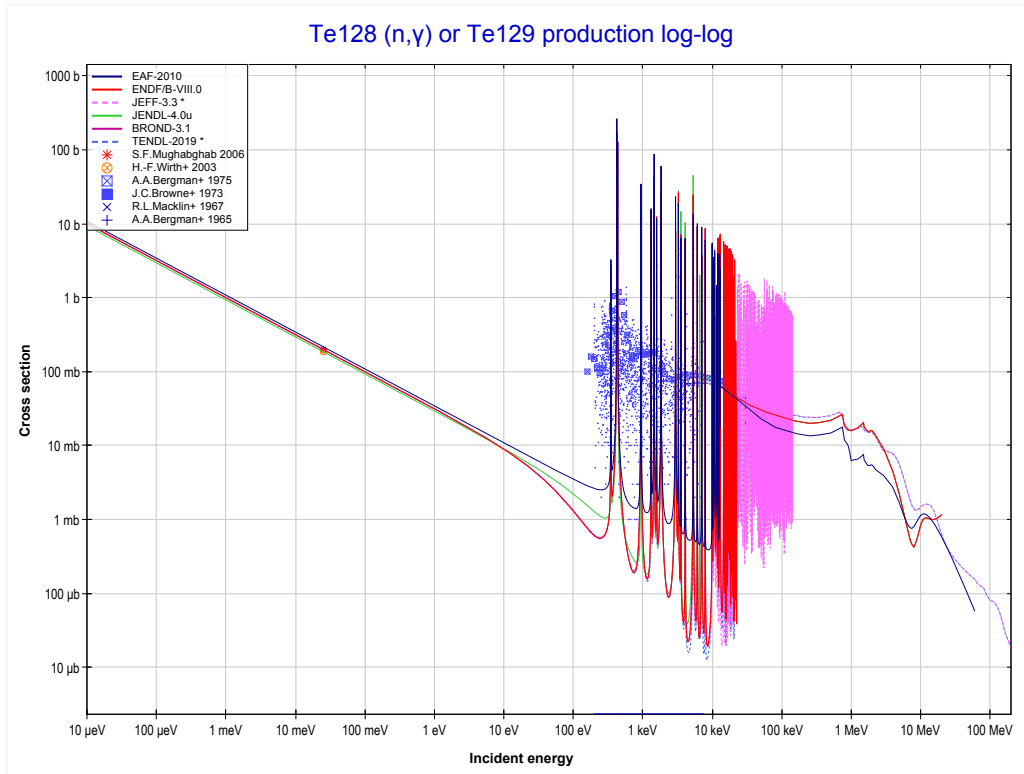
| Reaction | Q-Value |
|--------------------|---------------|
| Te128(n,t)Sb126 | -9482.19 keV |
| Te128(n,n+d)Sb126 | -15739.42 keV |
| Te128(n,2n+p)Sb126 | -17963.99 keV |

| | | |
|-----------------|--|-------------------------|
| << 46-Pd-102 | 52-Te-128 | 56-Ba-134 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Sb126 production) | MT102 (n, γ) >> |



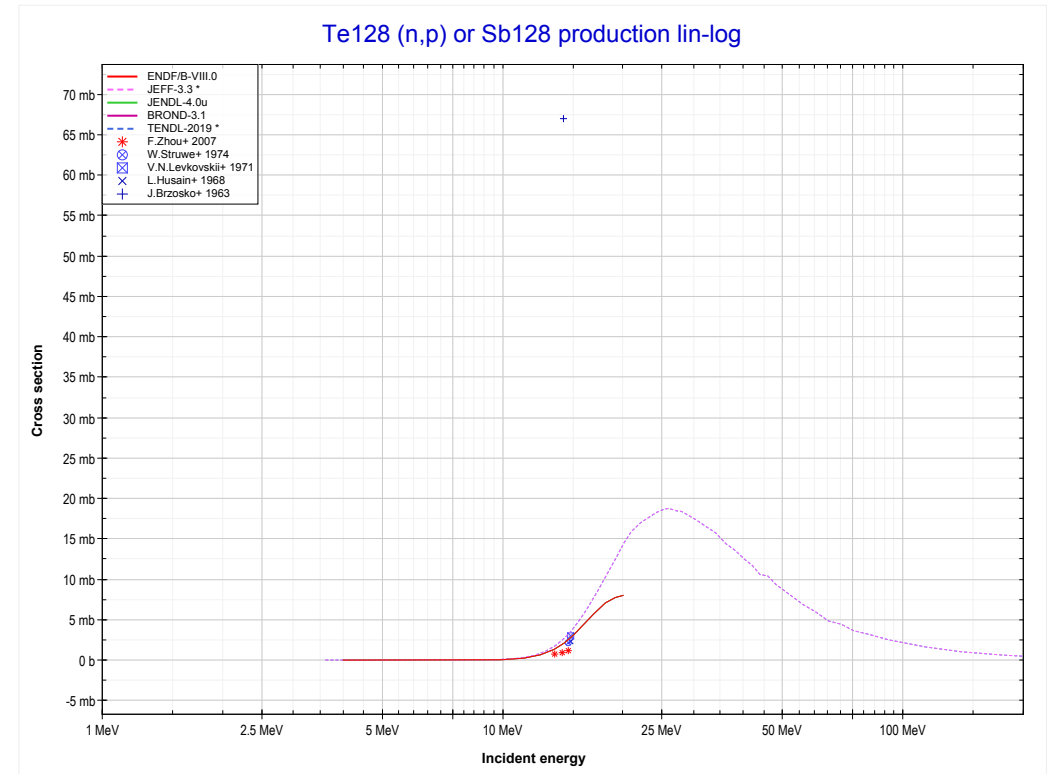
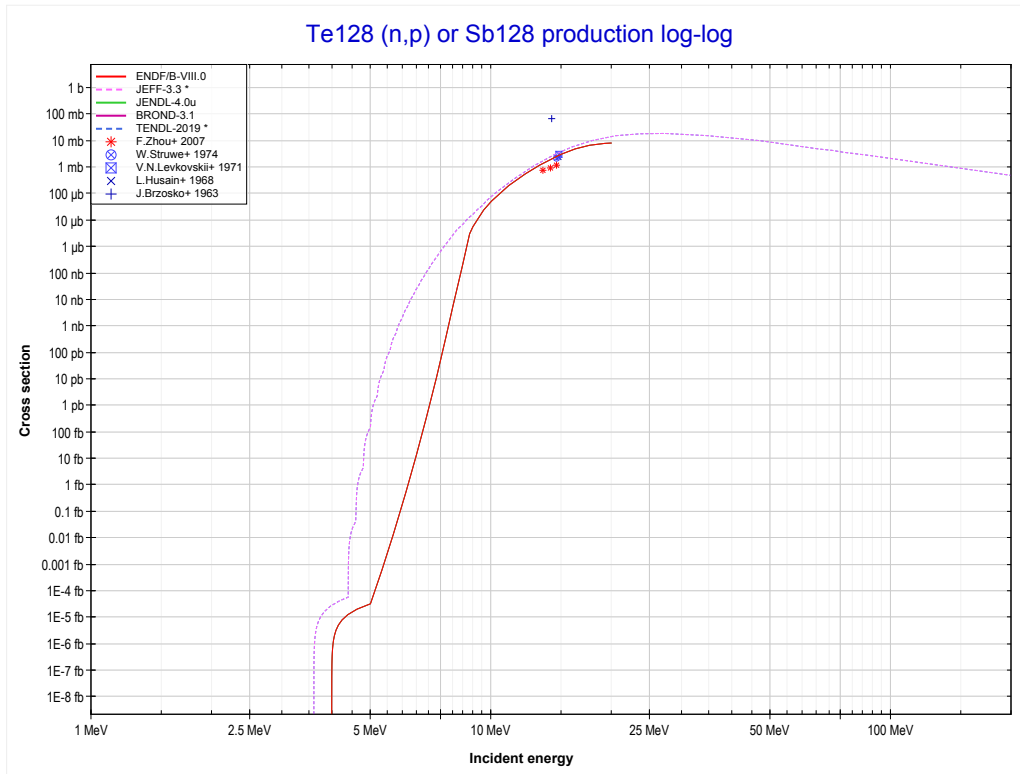
| Reaction | Q-Value |
|--------------------|---------------|
| Te128(n,t)Sb126 | -9482.19 keV |
| Te128(n,n+d)Sb126 | -15739.42 keV |
| Te128(n,2n+p)Sb126 | -17963.99 keV |

| | | |
|------------------|--|----------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Te129 production) | MT103 (n,p) >> |



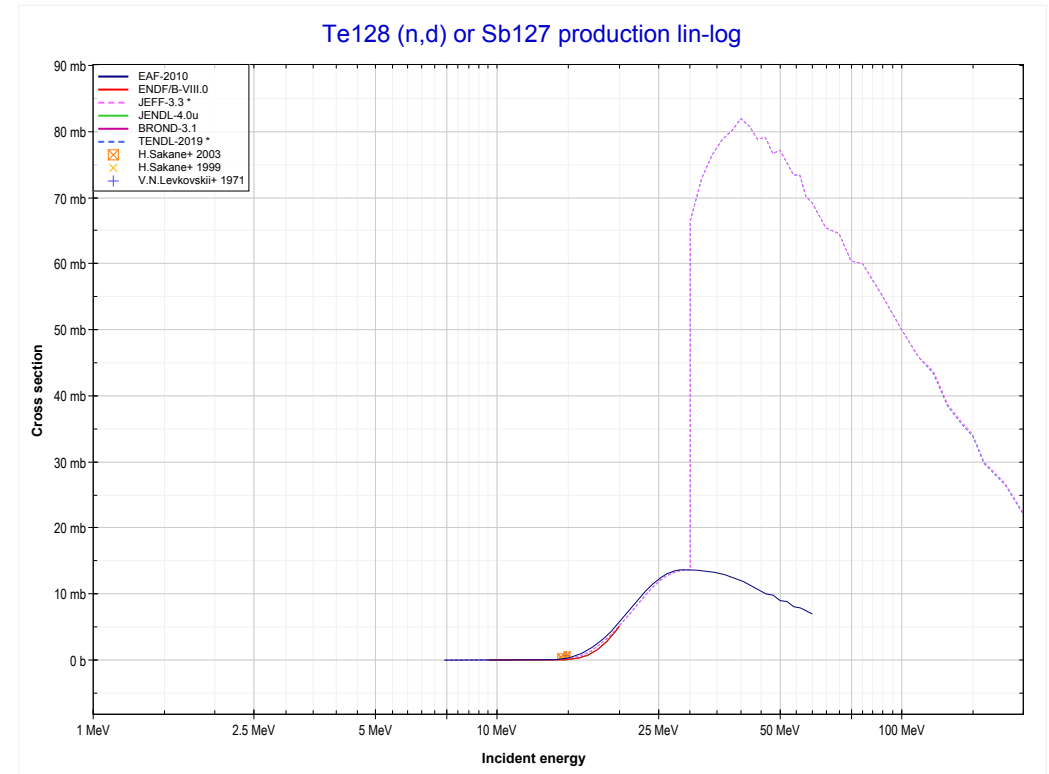
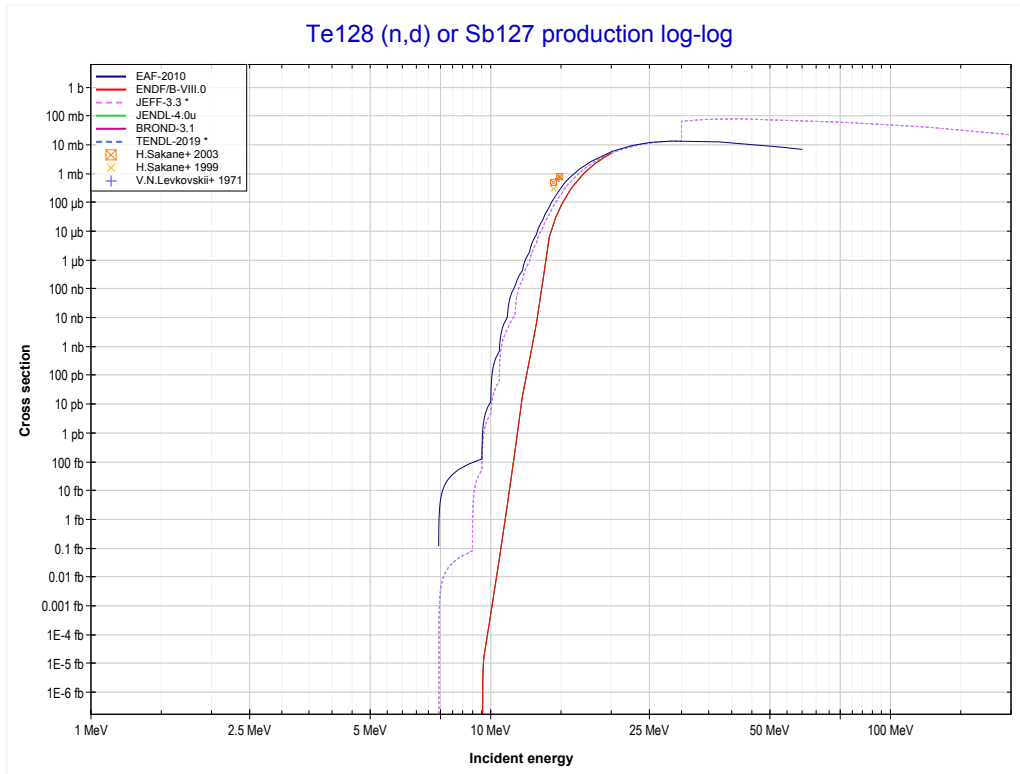
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.215181 b | 0.21502 b | 0.21497 b | 0.99977 | 1.70563 b | 0.00763062 b | 0.00101944 b |
| ENDF/B-VIII.0 | 0.199985 b | 0.199985 b | 0.20004 b | 1.00025 | 1.28349 b | 0.0147225 b | 0.00100129 b |
| JEFF-3.3 | 0.199283 b | 0.199283 b | 0.19933 b | 1.00025 | 1.22902 b | 0.0160402 b | 0.00154469 b |
| JENDL-4.0u | 0.186051 b | 0.186051 b | 0.18612 b | 1.00036 | 1.22517 b | 0.014747 b | 0.00100129 b |
| BROND-3.1 | 0.199985 b | 0.199985 b | 0.20004 b | 1.00025 | 1.28349 b | 0.0147225 b | 0.00100129 b |
| TENDL-2019 | 0.200425 b | 0.200425 b | 0.2004 b | 0.9999 | 1.26795 b | 0.0156275 b | 0.00154254 b |

| | | |
|-------------------------|--|----------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb128 production) | MT104 (n,d) >> |



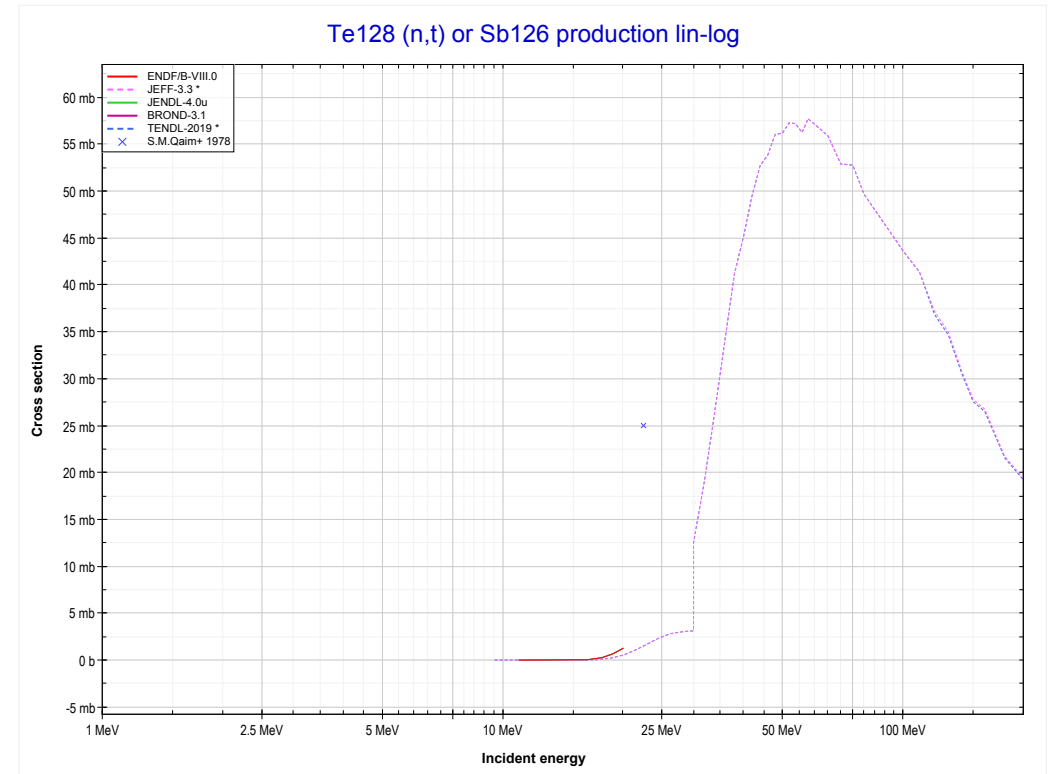
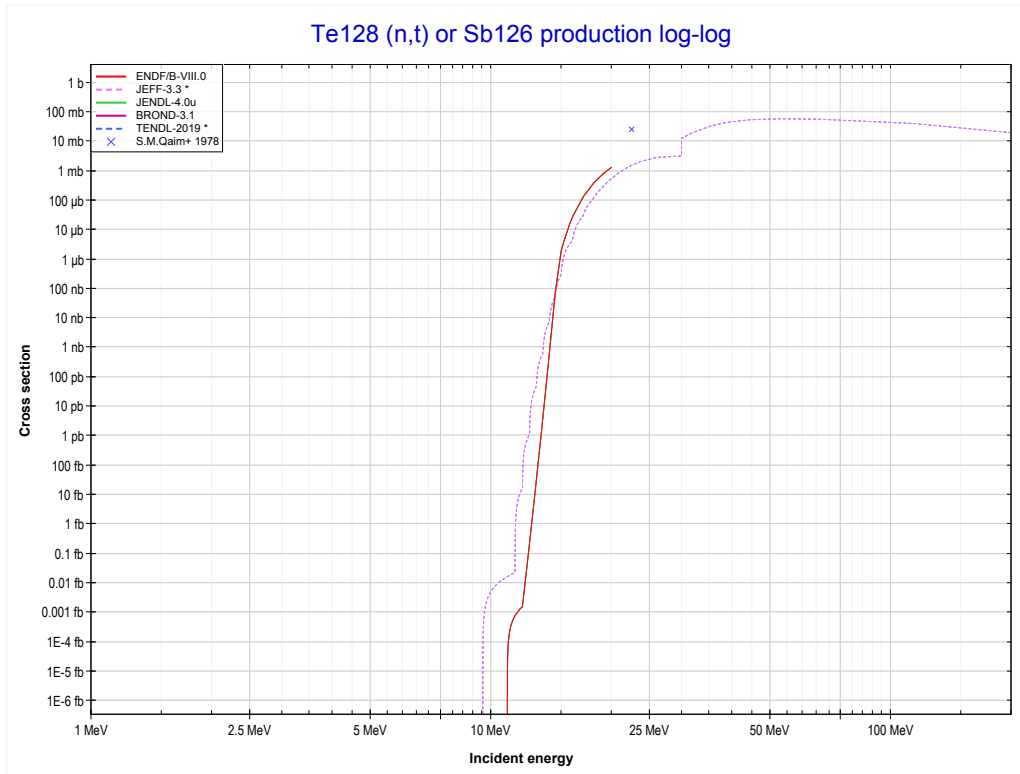
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02014E-6 b | 0.00184193 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38273E-6 b | 0.00232551 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.02014E-6 b | 0.00184193 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02014E-6 b | 0.00184193 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38259E-6 b | 0.00232528 b |

| | | |
|----------------|--|----------------|
| << 52-Te-123 | 52-Te-128 | 52-Te-130 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sb127 production) | MT105 (n,t) >> |



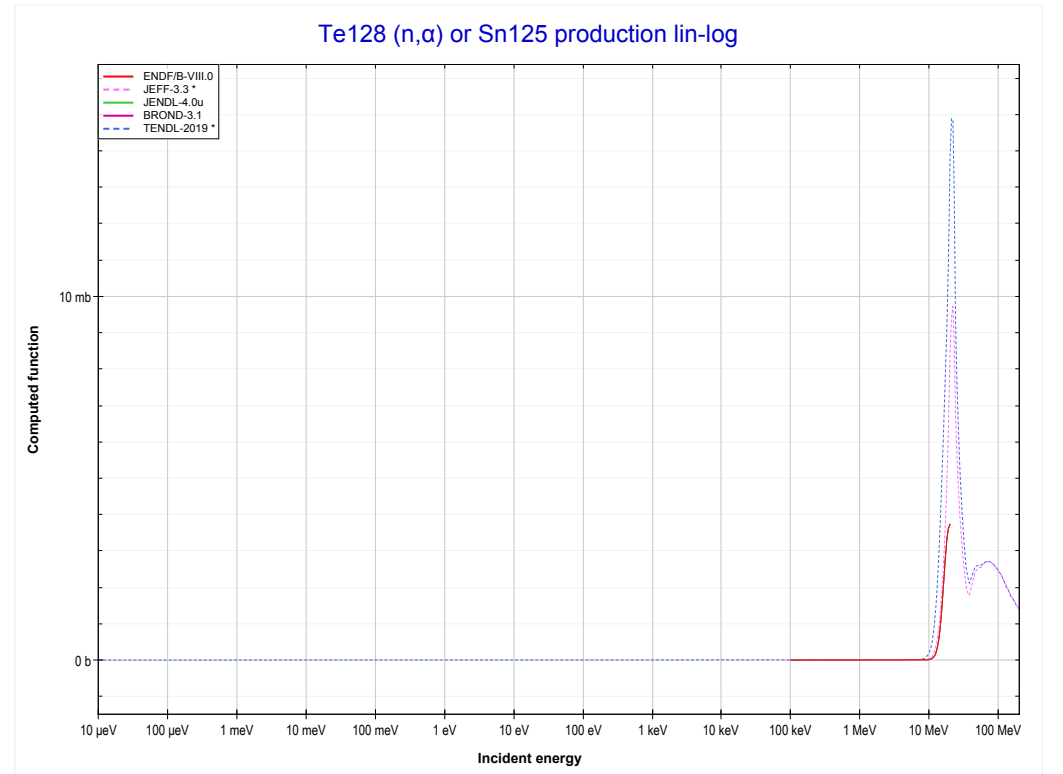
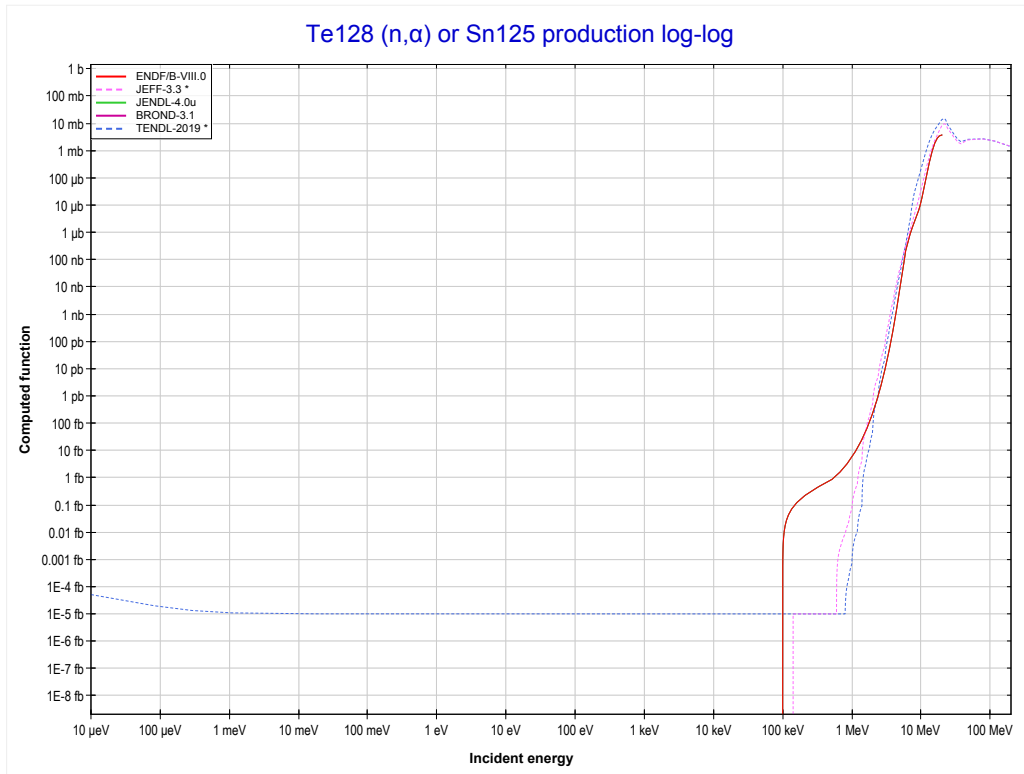
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.58908E-8 b | 6.87908E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.14315E-8 b | 6.2495E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.30633E-8 b | 3.79226E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.14315E-8 b | 6.2495E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.14315E-8 b | 6.2495E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.30603E-8 b | 3.79229E-5 b |

| | | |
|----------------|--|-------------------------|
| << 50-Sn-112 | 52-Te-128 | 52-Te-130 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Sb126 production) | MT107 (n, α) >> |



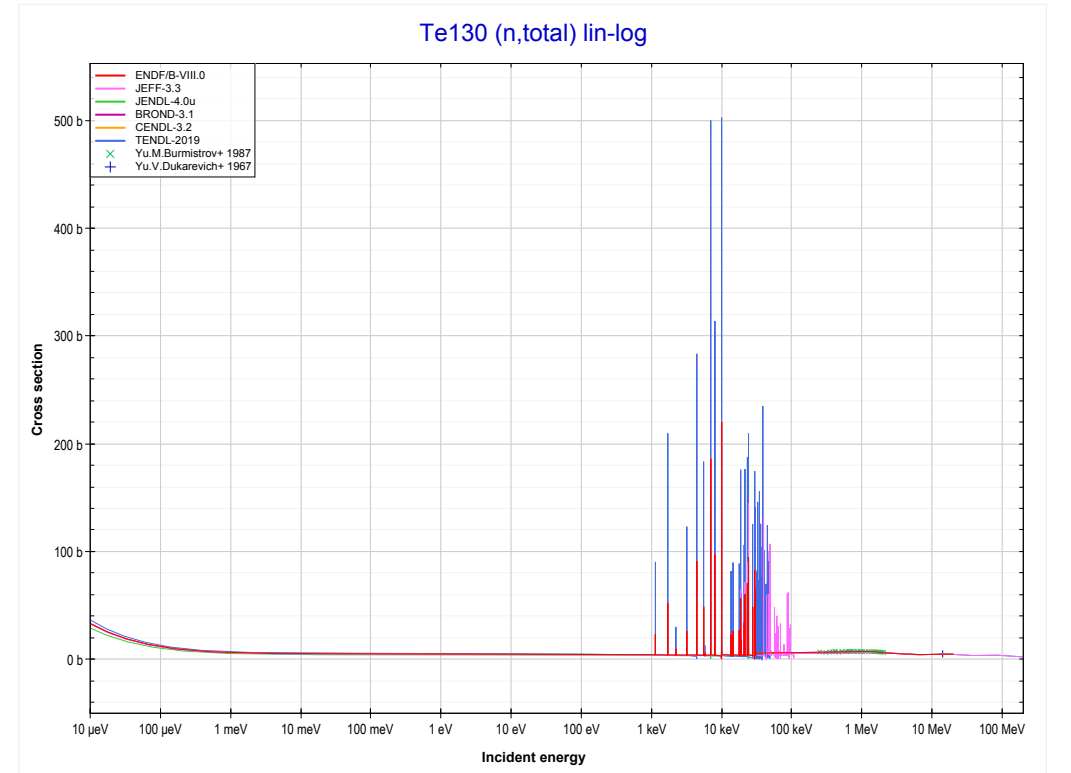
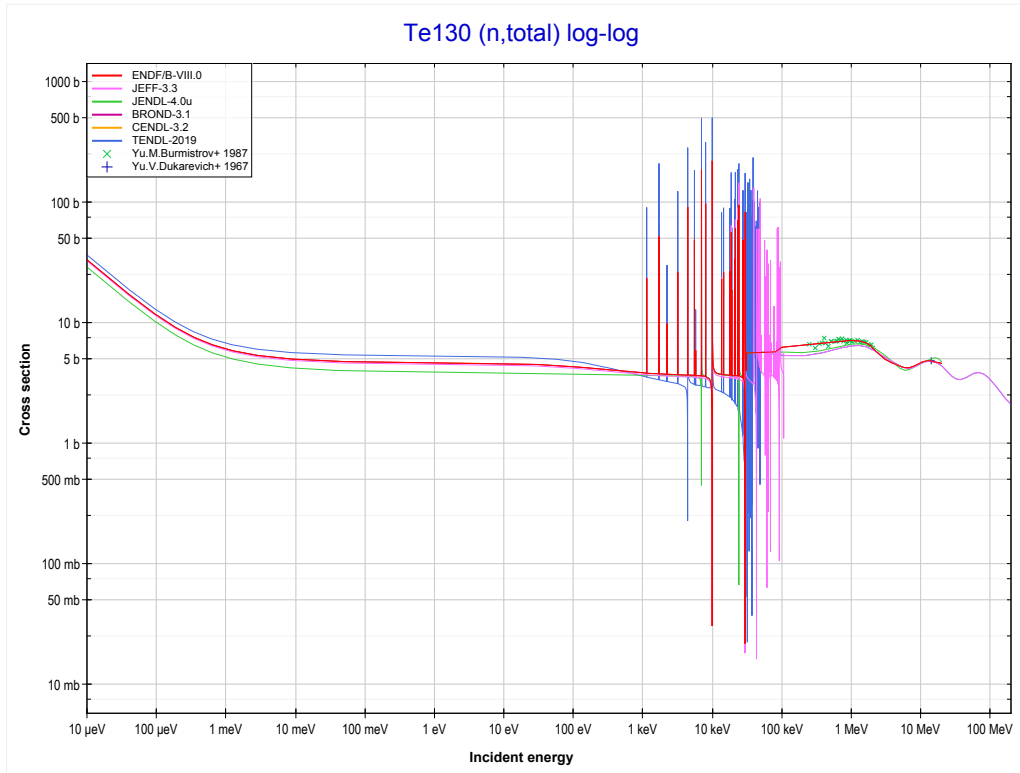
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00614E-9 b | 5.63484E-10 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99729E-9 b | 7.32049E-9 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.00614E-9 b | 5.6348E-10 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00614E-9 b | 5.6348E-10 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.997E-9 b | 7.31897E-9 b |

| | | |
|----------------|--|----------------------------|
| << 52-Te-126 | 52-Te-128 | 52-Te-130 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Sn125 production) | 52-Te-130 MT1 (n,total) >> |



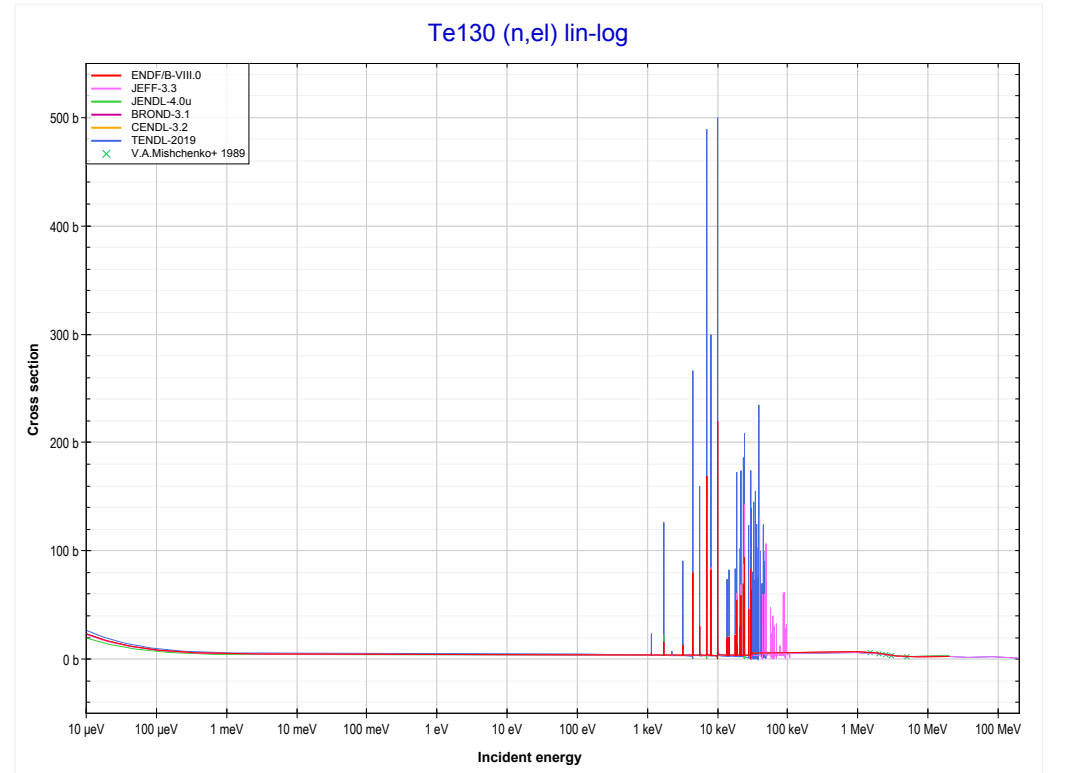
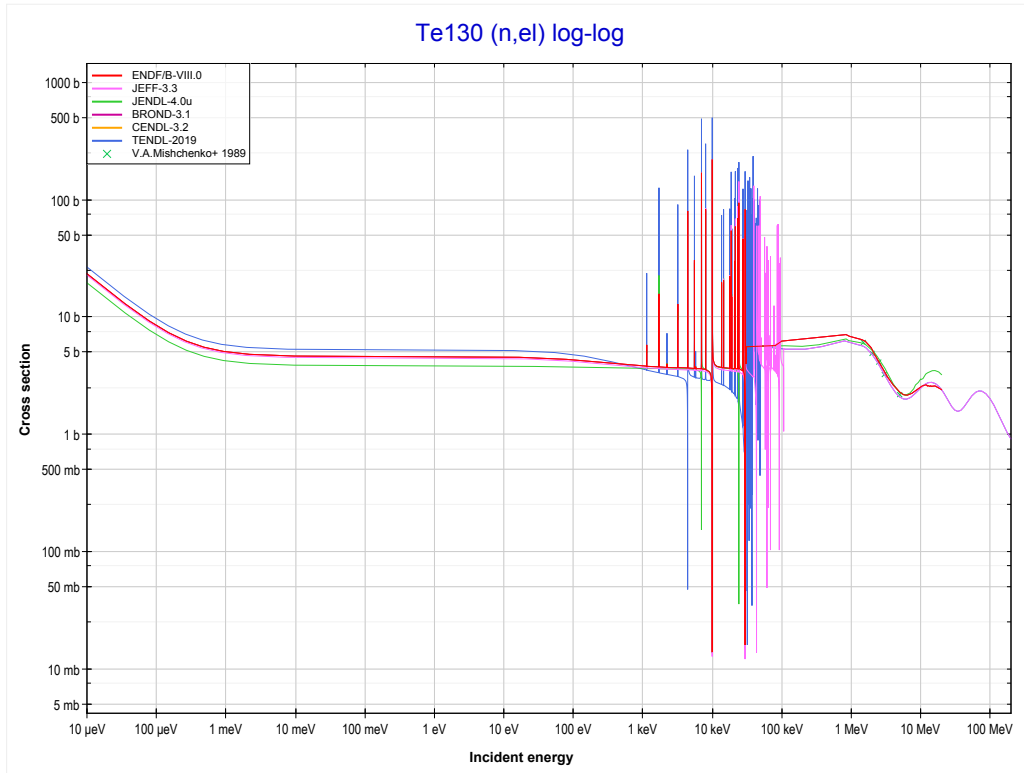
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.10929E-28 b | 3.86469E-7 b | 6.83618E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.65011E-7 b | 0.00100407 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 8.21854E-28 b | 3.86469E-7 b | 6.83618E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.10925E-28 b | 3.86469E-7 b | 6.83618E-4 b |
| TENDL-2019 | 1.0039E-20 b | 1.0039E-20 b | 1.1329E-20 b | 1.12849 | 1.22085E-19 b | 2.48606E-6 b | 0.00317568 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 52-Te-128 | 52-Te-130 | 53-I-127 >> |
| << 52-Te-128 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



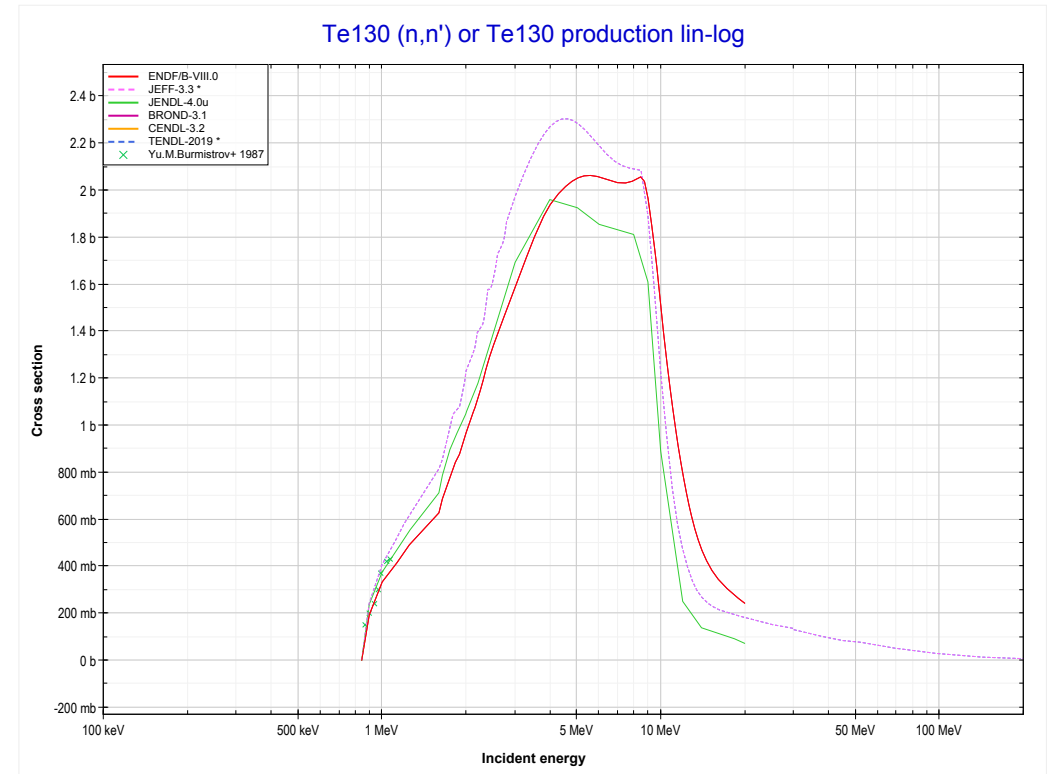
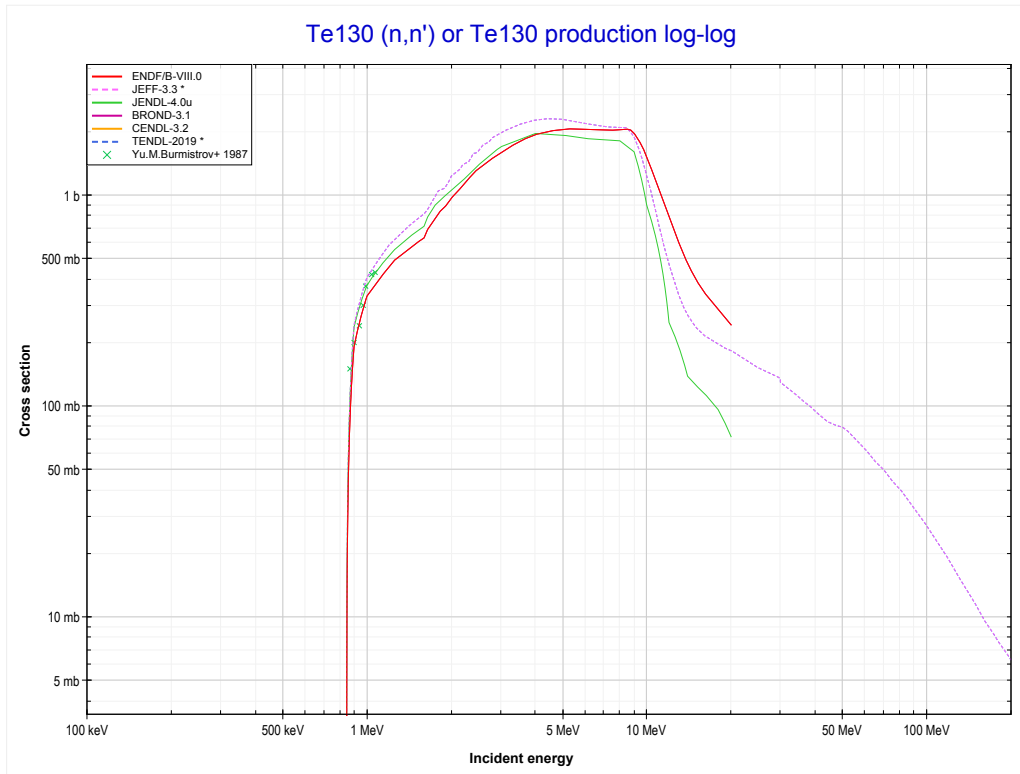
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.80081 b | 4.80081 b | 5.392 b | 1.12314 | 53.6743 b | 6.10592 b | 4.80801 b |
| JEFF-3.3 | 4.67328 b | 4.67328 b | 5.248 b | 1.12299 | 51.1295 b | 5.67725 b | 4.77392 b |
| JENDL-4.0u | 4.03695 b | 4.03695 b | 4.5312 b | 1.12244 | 48.6901 b | 5.86867 b | 4.97596 b |
| BROND-3.1 | 4.80081 b | 4.80081 b | 5.392 b | 1.12314 | 53.6743 b | 6.10592 b | 4.80801 b |
| CENDL-3.2 | 4.80076 b | 4.80076 b | 5.3922 b | 1.1232 | 53.6945 b | 6.10486 b | 4.808 b |
| TENDL-2019 | 5.44873 b | 5.44873 b | 6.1235 b | 1.12384 | 63.3476 b | 5.71778 b | 4.77392 b |

| | | |
|------------------|------------------------|---------------|
| << 52-Te-126 | 52-Te-130 | 53-I-127 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



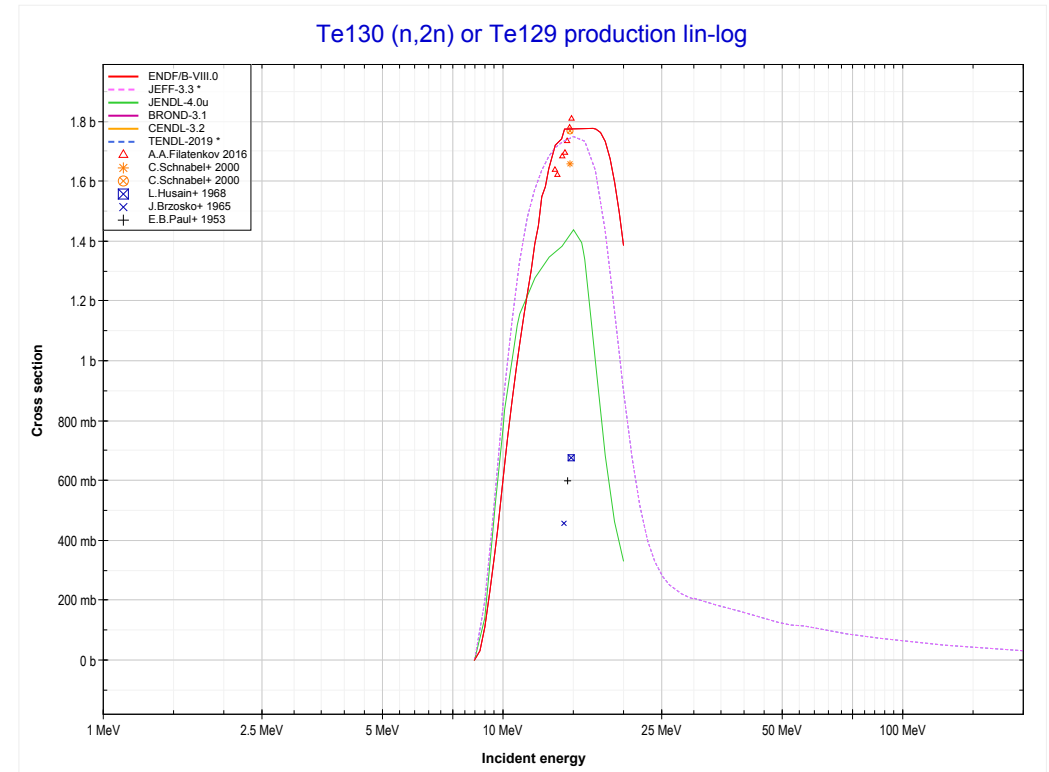
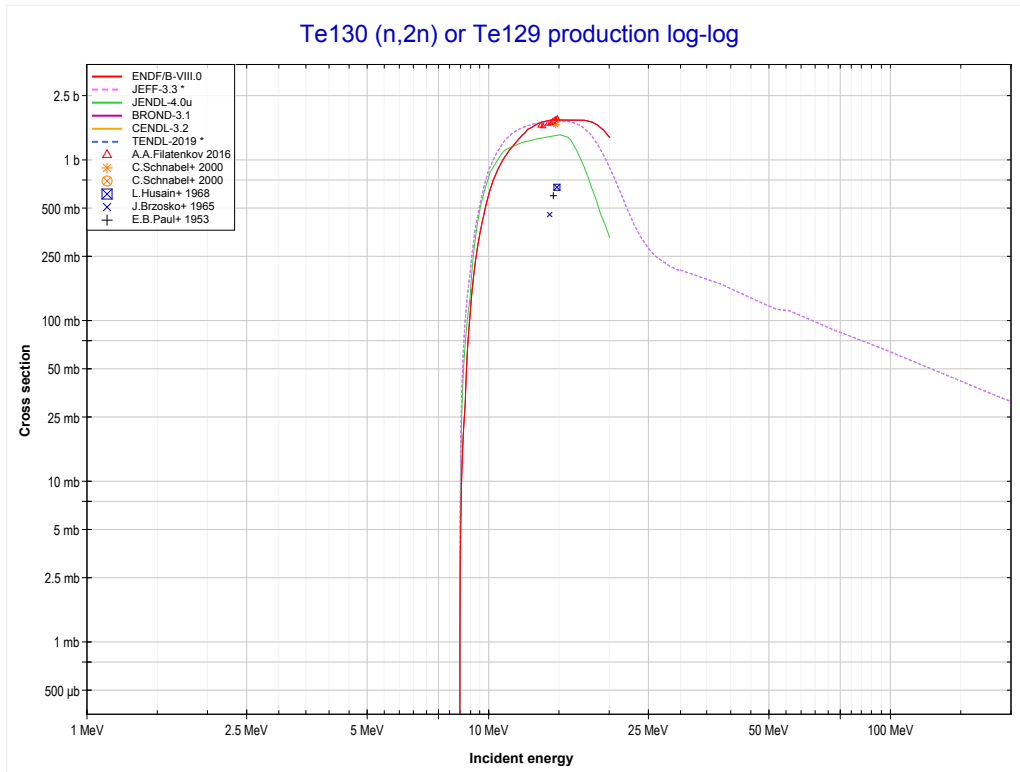
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.60558 b | 4.60558 b | 5.1967 b | 1.12835 | 53.4313 b | 5.27312 b | 2.5805 b |
| JEFF-3.3 | 4.47764 b | 4.47764 b | 5.0523 b | 1.12835 | 50.8896 b | 4.67997 b | 2.77258 b |
| JENDL-4.0u | 3.85074 b | 3.85074 b | 4.345 b | 1.12835 | 48.4641 b | 5.00648 b | 3.45534 b |
| BROND-3.1 | 4.60558 b | 4.60558 b | 5.1967 b | 1.12835 | 53.4313 b | 5.27312 b | 2.5805 b |
| CENDL-3.2 | 4.60558 b | 4.60558 b | 5.197 b | 1.12842 | 53.4518 b | 5.27193 b | 2.5805 b |
| TENDL-2019 | 5.25467 b | 5.25467 b | 5.9294 b | 1.12841 | 62.8672 b | 4.71982 b | 2.77258 b |

| | | |
|--------------------|---|----------------|
| << 52-Te-128 | 52-Te-130 | 53-I-127 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Te130 production) | MT16 (n,2n) >> |



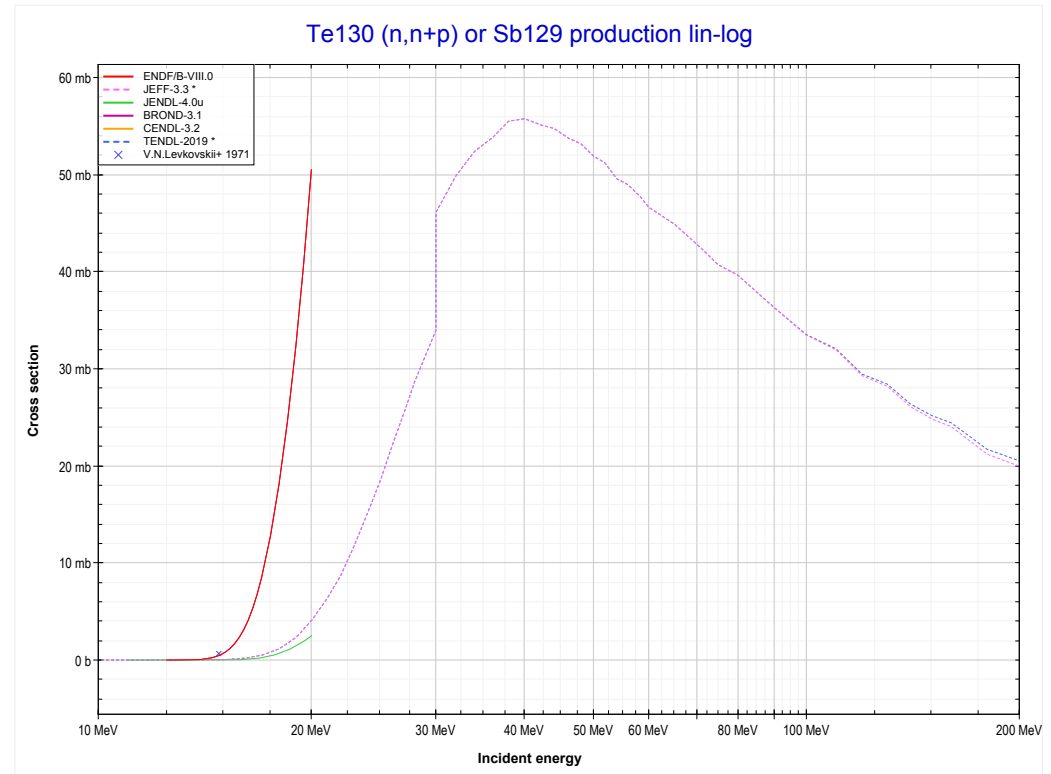
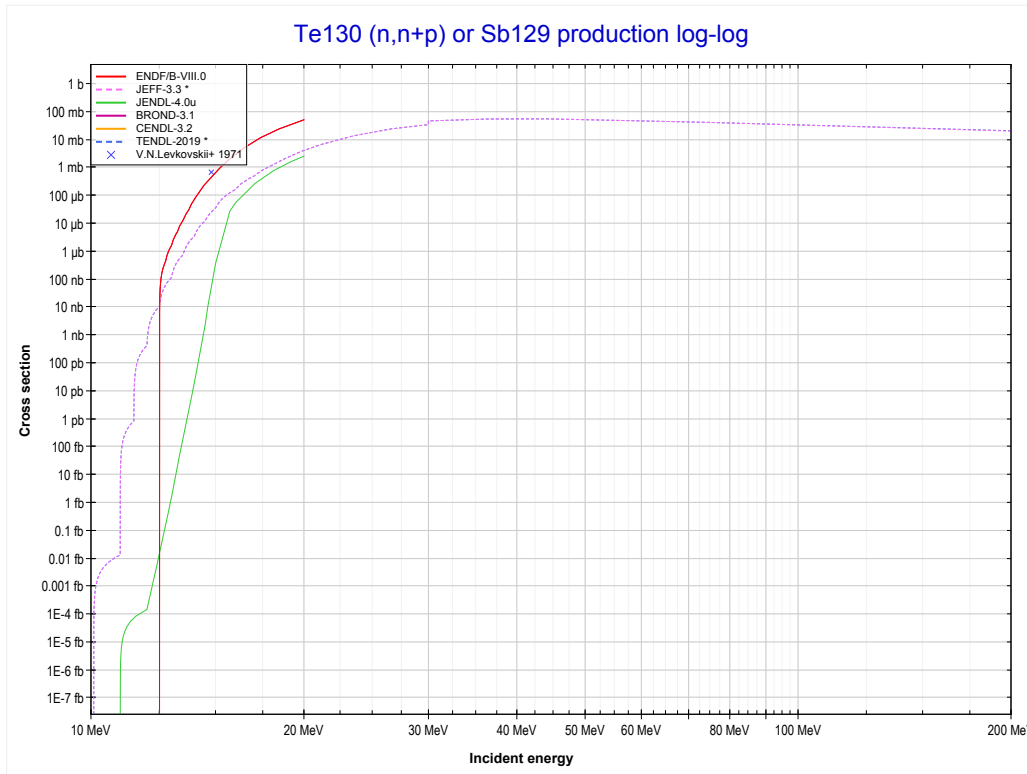
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.82564 b | 0.472828 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.989273 b | 0.269303 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.853434 b | 0.137774 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.82564 b | 0.472828 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.825642 b | 0.47283 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.989296 b | 0.269194 b |

| | | |
|---------------|--|-----------------|
| << 52-Te-128 | 52-Te-130 | 53-I-127 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Te129 production) | MT28 (n,n+p) >> |



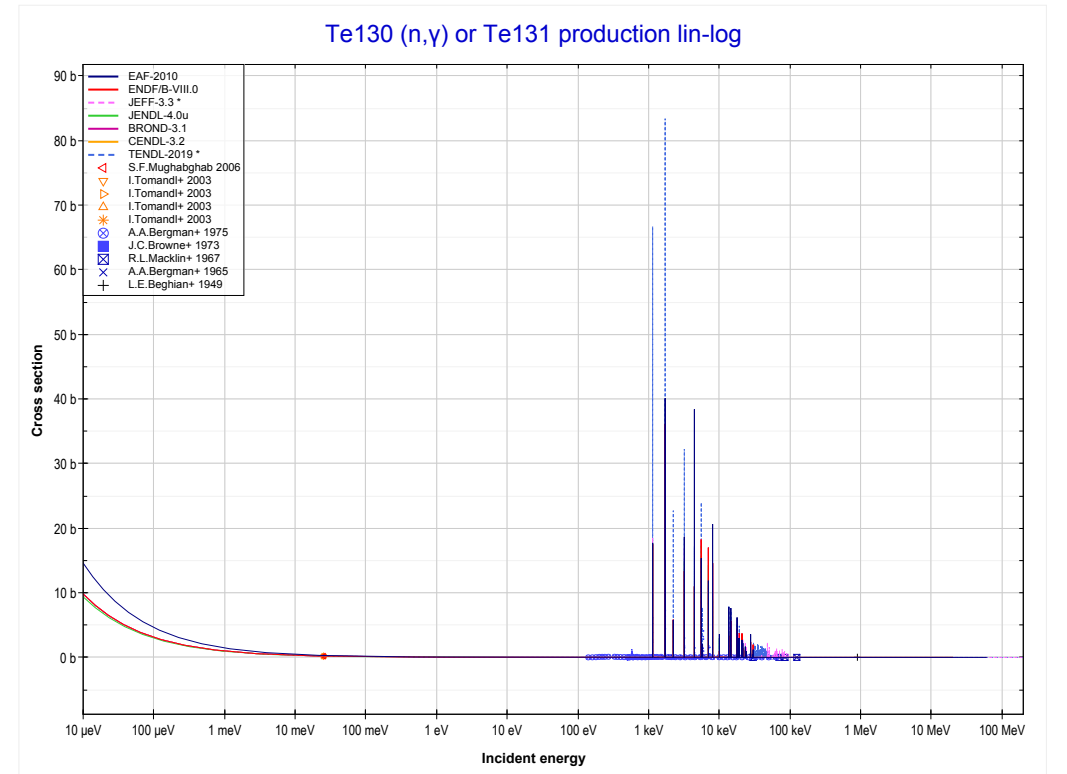
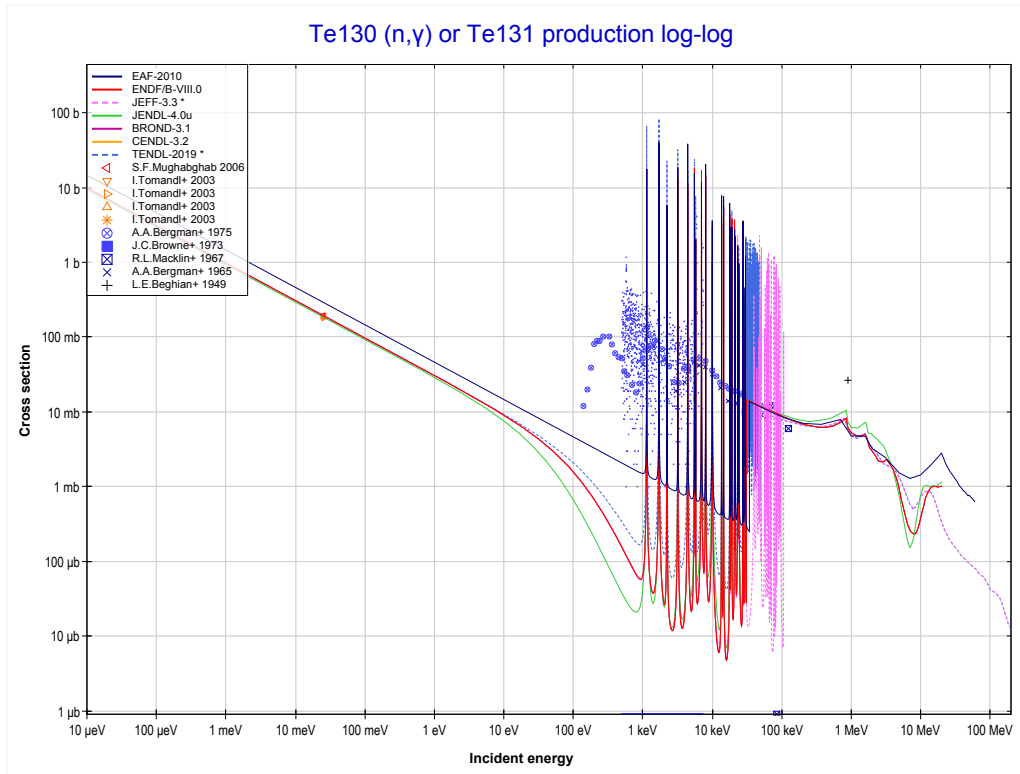
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0029009 b | 1.74 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00373268 b | 1.72958 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0031811 b | 1.38036 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0029009 b | 1.74 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0029009 b | 1.74 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00373353 b | 1.72961 b |

| | | |
|----------------|---|-------------------------|
| << 52-Te-128 | 52-Te-130 | 56-Ba-137 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Sb129 production) | MT102 (n, γ) >> |



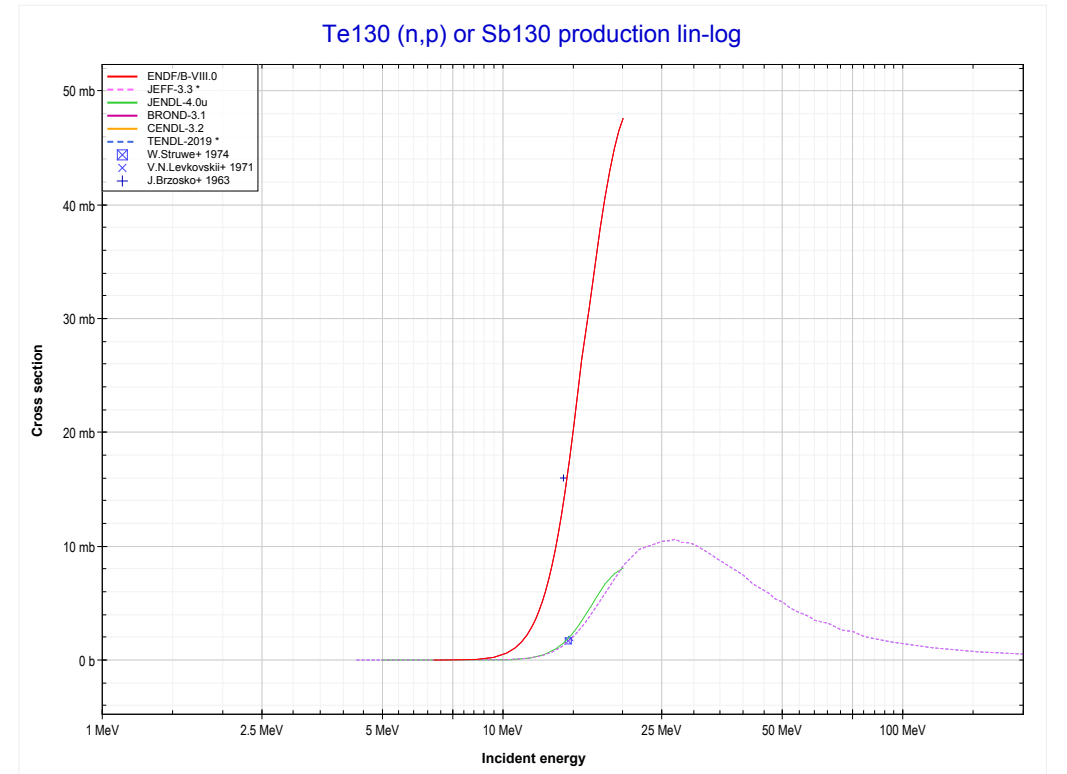
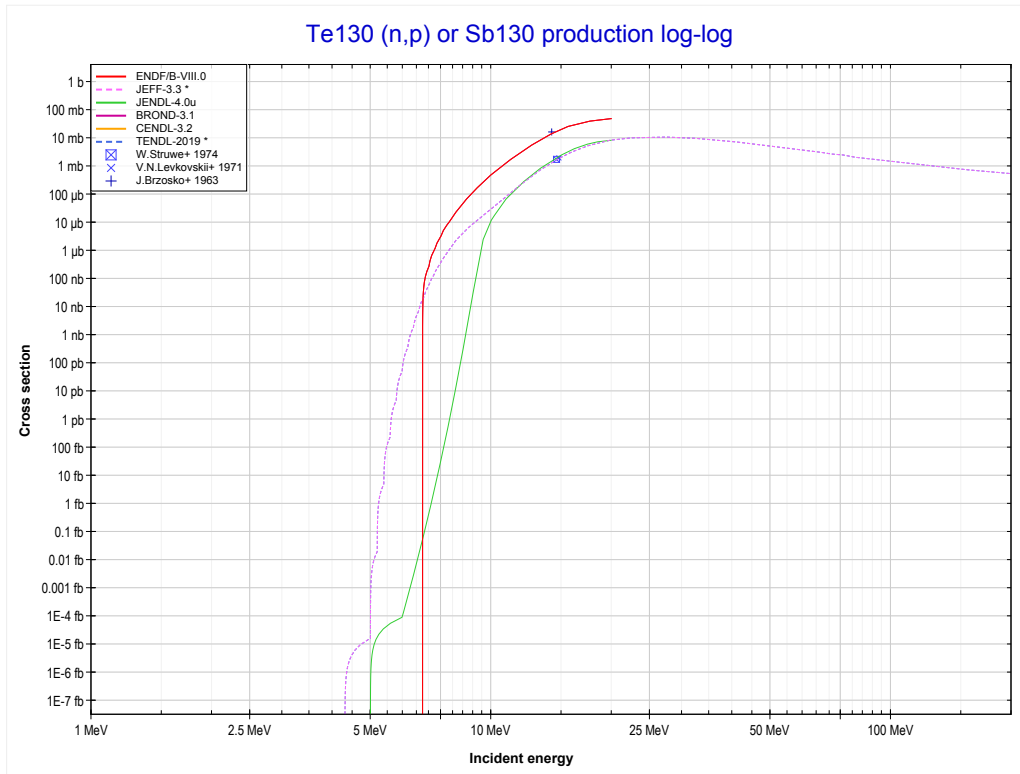
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.78319E-7 b | 6.9174E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48166E-8 b | 3.40722E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.17585E-8 b | 1.8748E-11 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.78319E-7 b | 6.9174E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.78319E-7 b | 6.9174E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48175E-8 b | 3.4061E-6 b |

| | | |
|-----------------|--|----------------|
| << 52-Te-128 | 52-Te-130 | 53-I-125 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Te131 production) | MT103 (n,p) >> |



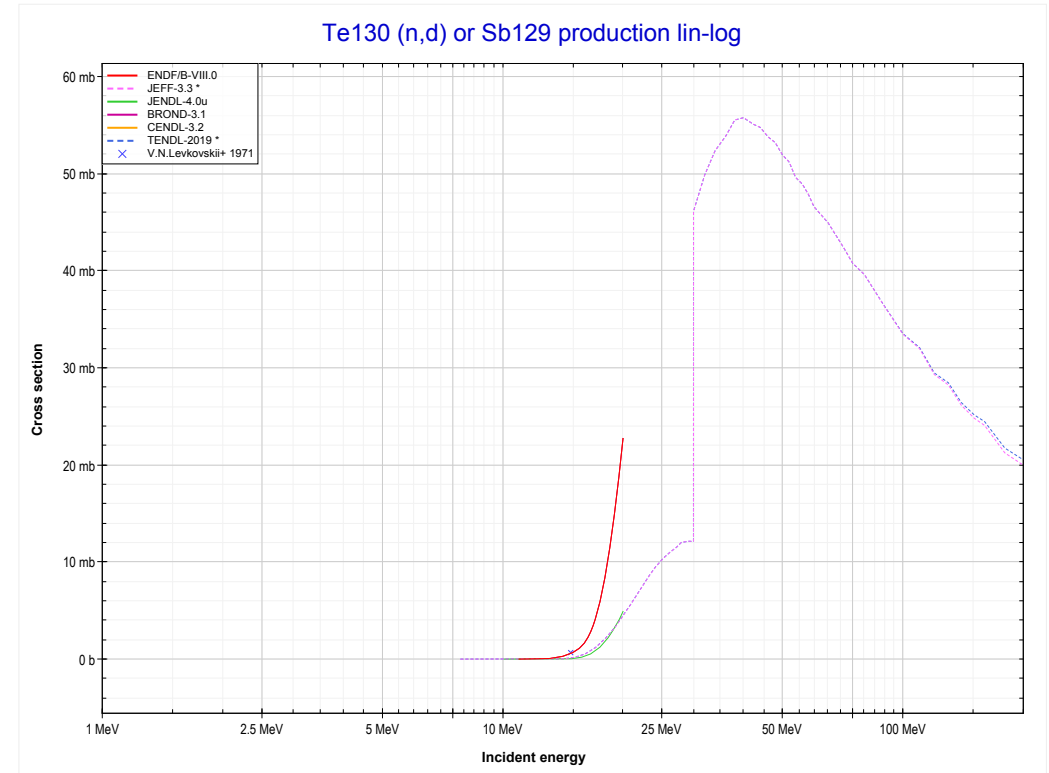
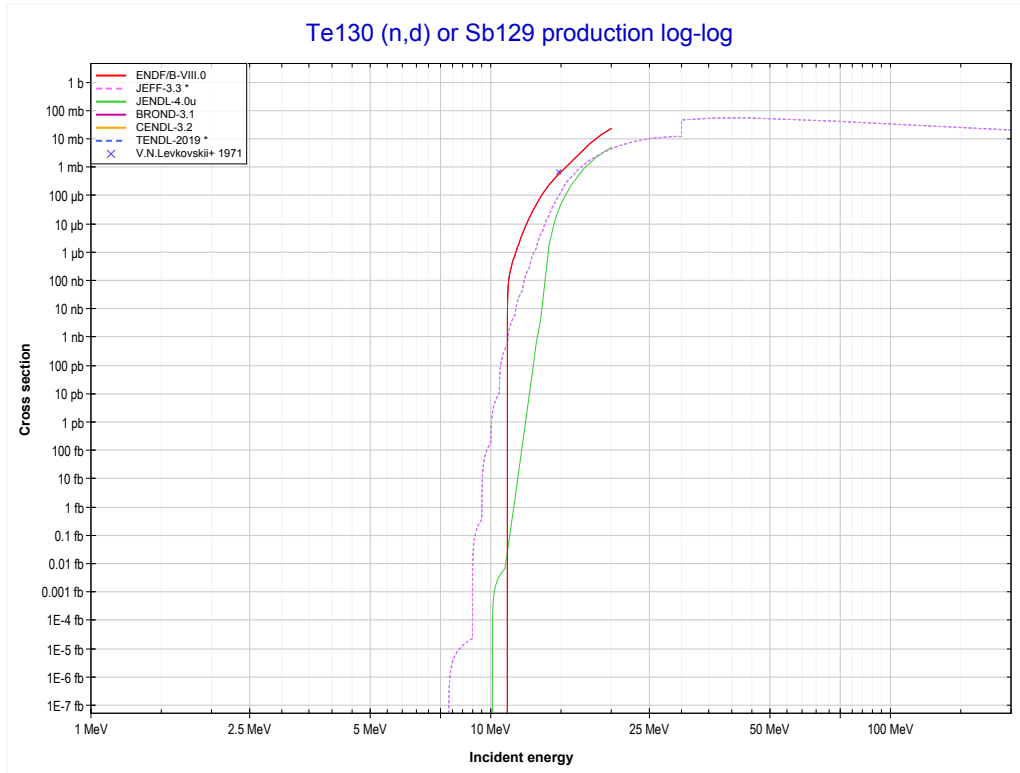
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.290346 b | 0.290128 b | 0.29006 b | 0.99976 | 0.336288 b | 0.00447646 b | 0.00194657 b |
| ENDF/B-VIII.0 | 0.195236 b | 0.195236 b | 0.19529 b | 1.0003 | 0.243018 b | 0.00424914 b | 9.7469E-4 b |
| JEFF-3.3 | 0.195647 b | 0.195647 b | 0.19571 b | 1.0003 | 0.239972 b | 0.00426358 b | 8.40059E-4 b |
| JENDL-4.0u | 0.186208 b | 0.186208 b | 0.18624 b | 1.00015 | 0.226032 b | 0.00555887 b | 0.00100005 b |
| BROND-3.1 | 0.195236 b | 0.195236 b | 0.19529 b | 1.0003 | 0.243018 b | 0.00424914 b | 9.7469E-4 b |
| CENDL-3.2 | 0.195185 b | 0.195185 b | 0.19518 b | 0.99996 | 0.242843 b | 0.00424949 b | 9.7469E-4 b |
| TENDL-2019 | 0.194052 b | 0.194052 b | 0.19405 b | 1.00001 | 0.479671 b | 0.00440541 b | 8.39172E-4 b |

| | | |
|-------------------------|--|----------------|
| << 52-Te-128 | 52-Te-130 | 53-I-127 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sb130 production) | MT104 (n,d) >> |



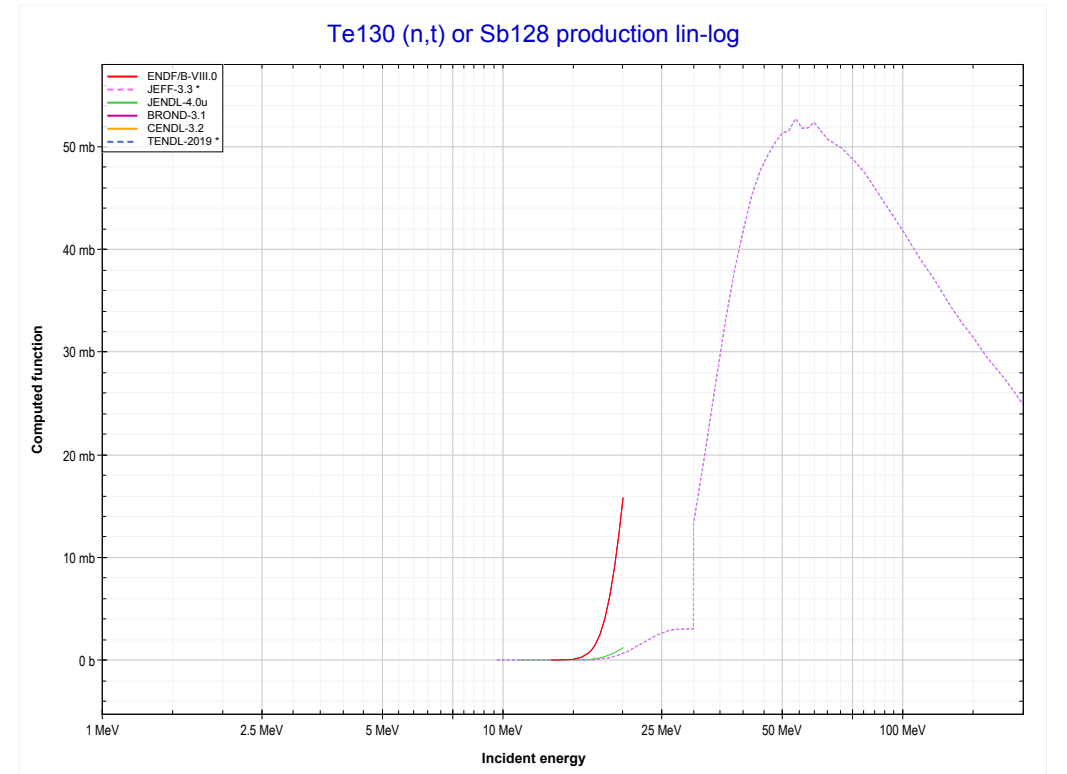
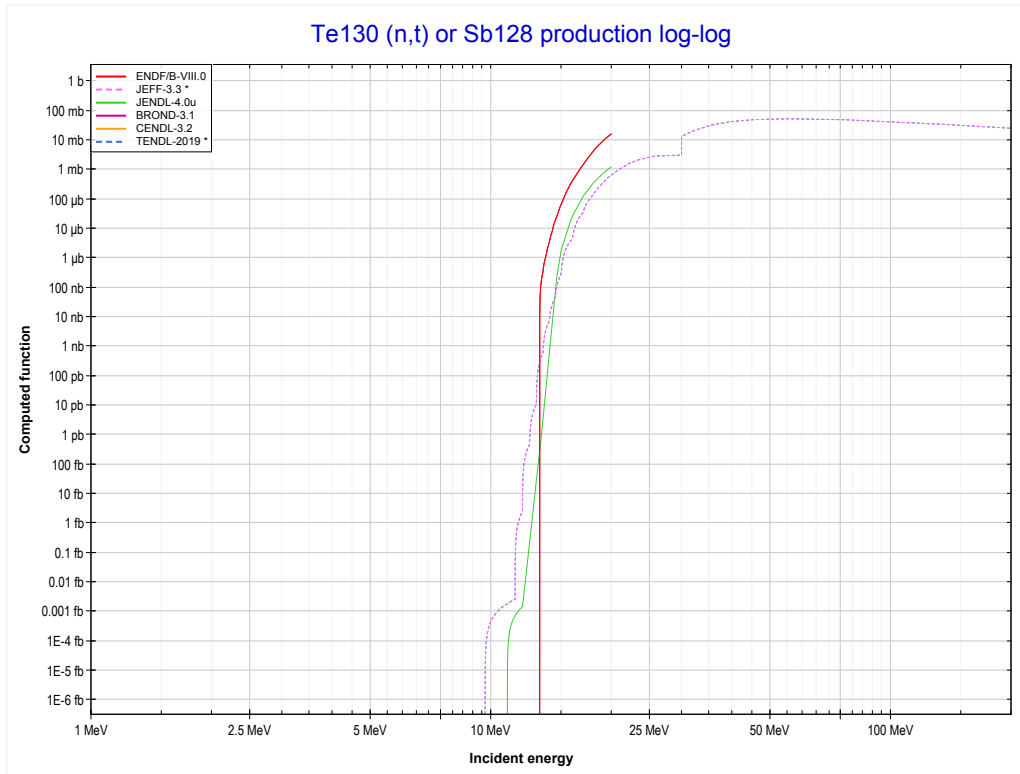
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.44742E-6 b | 0.012486 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52502E-7 b | 0.00113742 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.5257E-7 b | 0.0013157 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.44742E-6 b | 0.012486 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.44742E-6 b | 0.012486 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.5205E-7 b | 0.0011368 b |

| | | |
|----------------|--|----------------|
| << 52-Te-128 | 52-Te-130 | 56-Ba-138 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Sb129 production) | MT105 (n,t) >> |



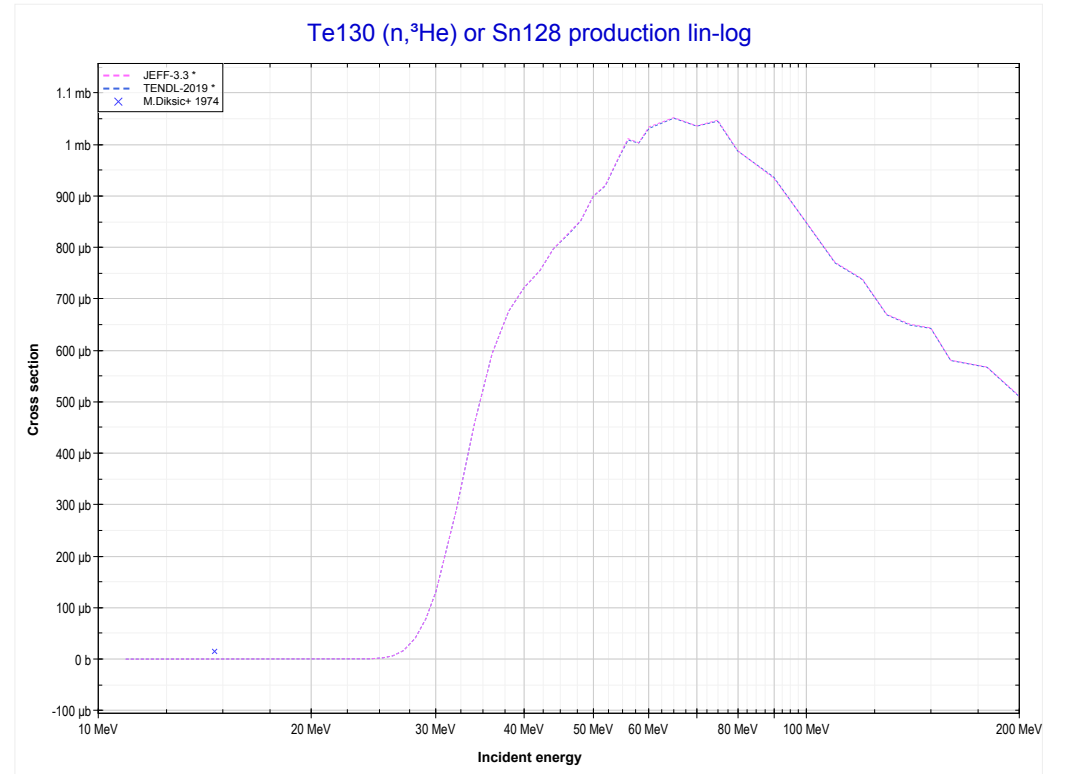
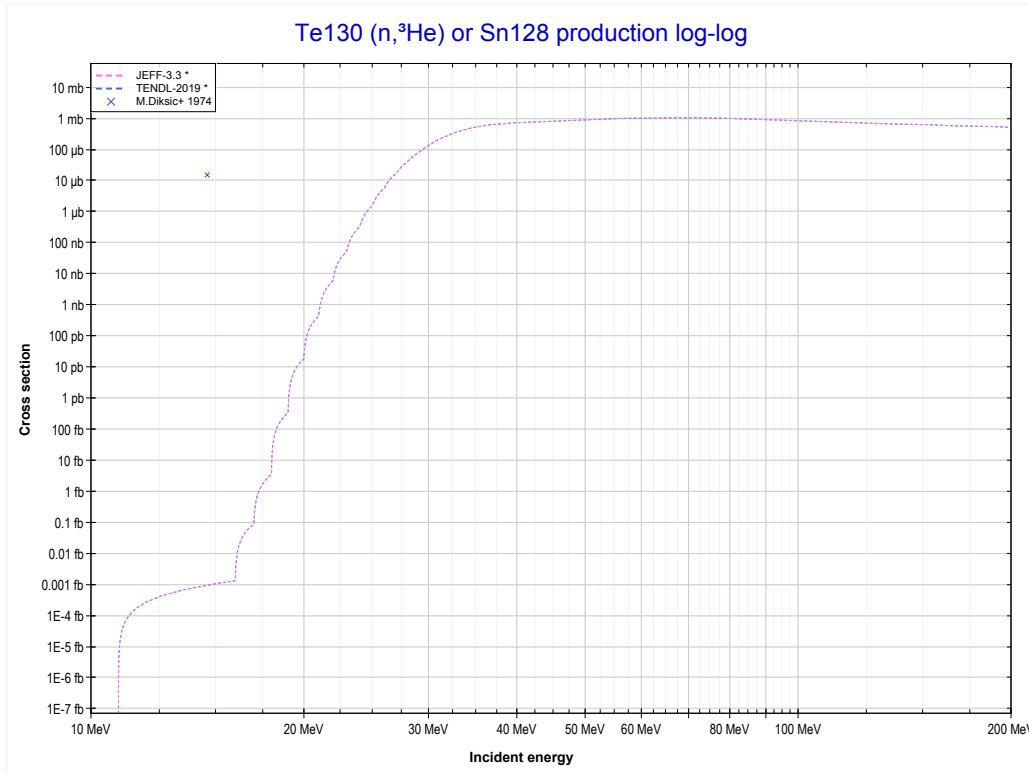
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23296E-7 b | 2.3976E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.02933E-8 b | 1.98941E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.52577E-8 b | 1.94053E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23296E-7 b | 2.3976E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23296E-7 b | 2.3976E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.0929E-8 b | 2.00975E-5 b |

| | | |
|----------------|--|-------------------------------|
| << 52-Te-128 | 52-Te-130 | 56-Ba-134 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Sb128 production) | MT106 (n, ³ He) >> |



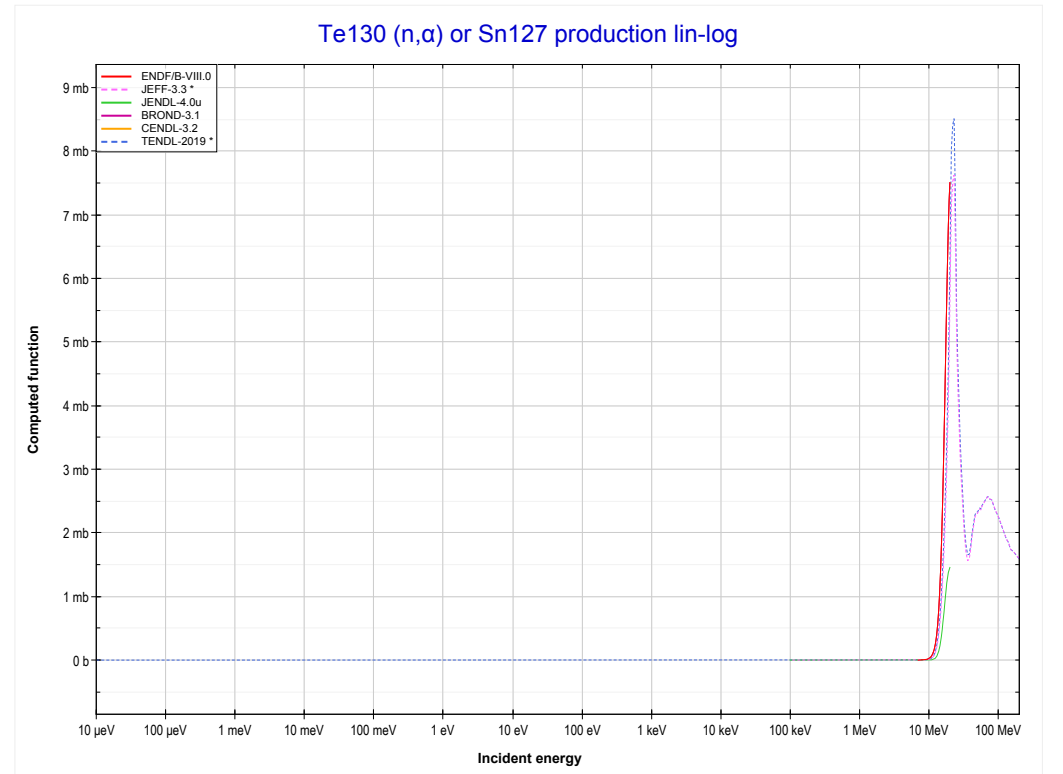
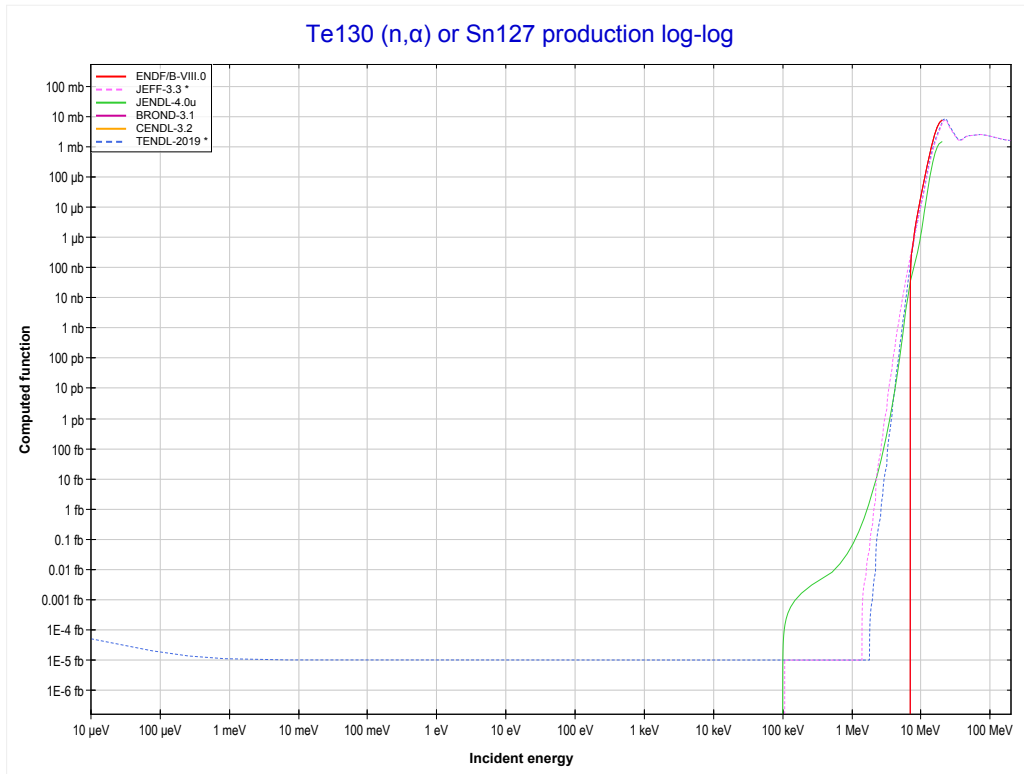
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.68088E-8 b | 3.2387E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44911E-9 b | 7.08043E-9 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.75832E-9 b | 5.1711E-10 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.68088E-8 b | 3.2387E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.68088E-8 b | 3.2387E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44894E-9 b | 7.08024E-9 b |

| | | |
|----------------|---|----------------|
| << 49-In-115 | 52-Te-130 | 53-I-127 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Sn128 production) | MT107 (n,α) >> |



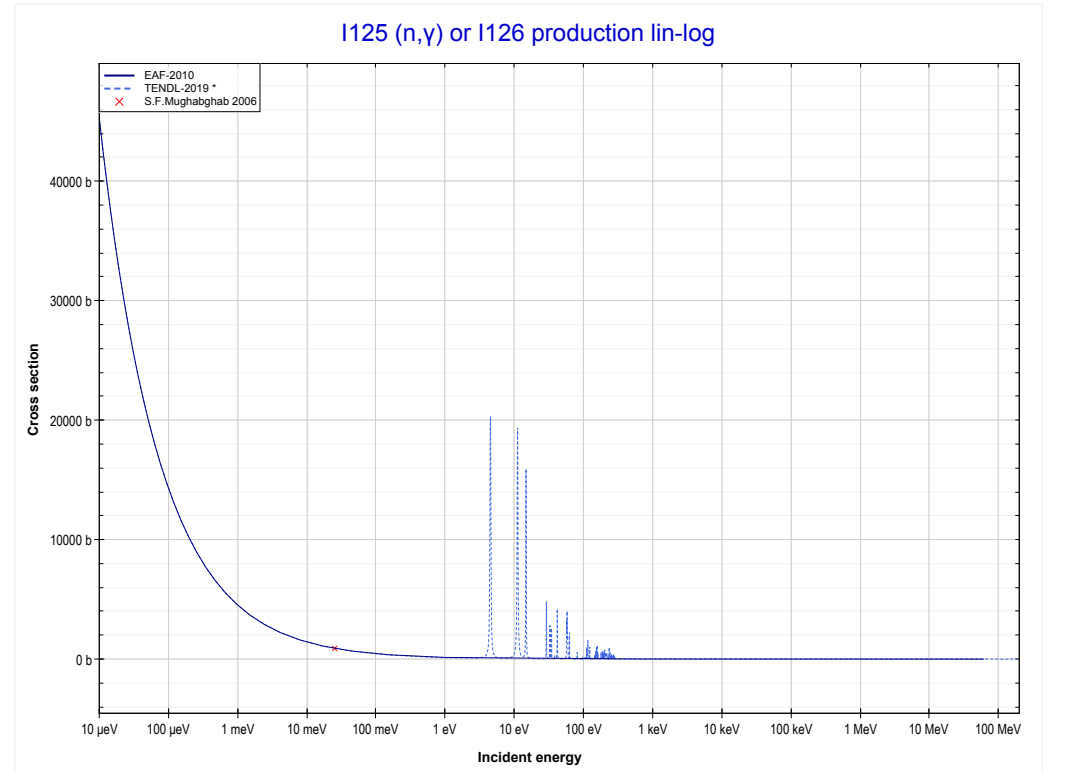
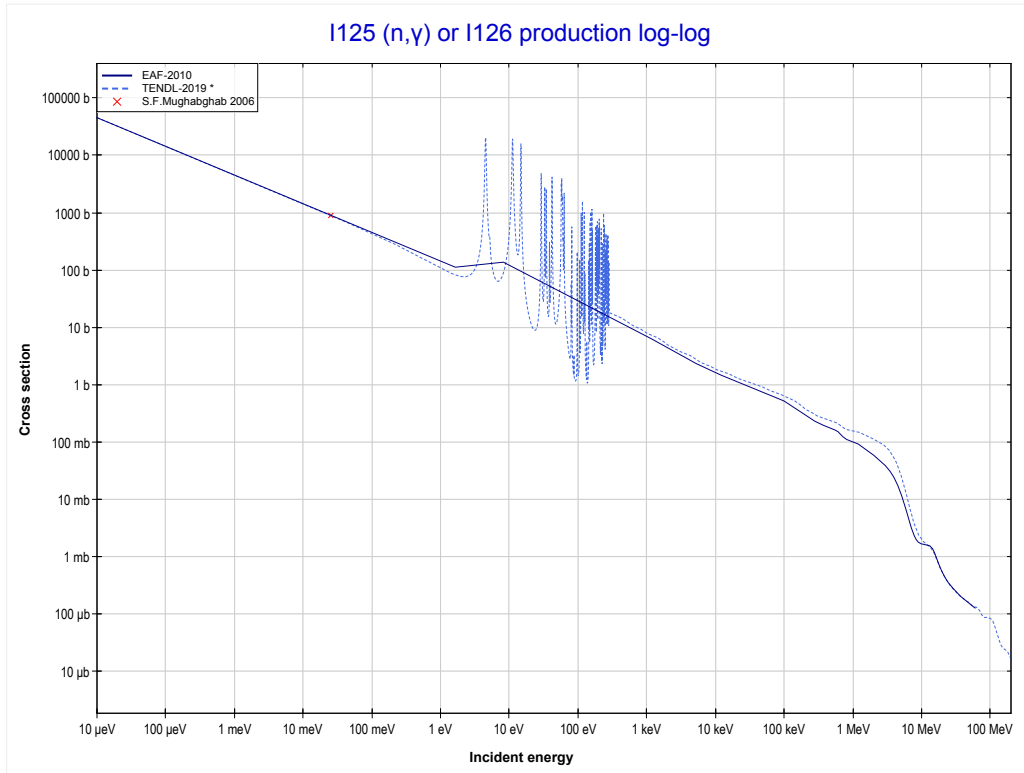
| Reaction | Q-Value |
|--------------------|---------------|
| Te130(n,He3)Sn128 | -10850.85 keV |
| Te130(n,p+d)Sn128 | -16344.32 keV |
| Te130(n,n+2p)Sn128 | -18568.89 keV |

| | | |
|-------------------------------|--|----------------------------------|
| << 52-Te-128 | 52-Te-130 | 53-I-127 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Sn127 production) | 53-I-125 MT102 (n, γ) >> |



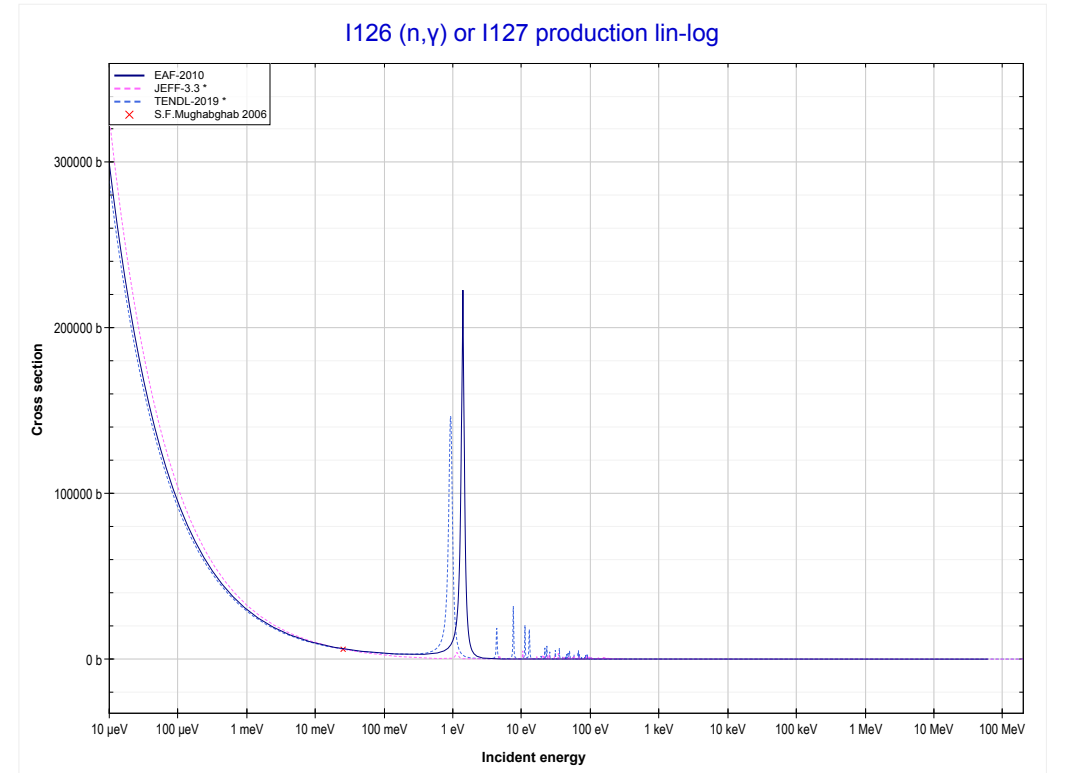
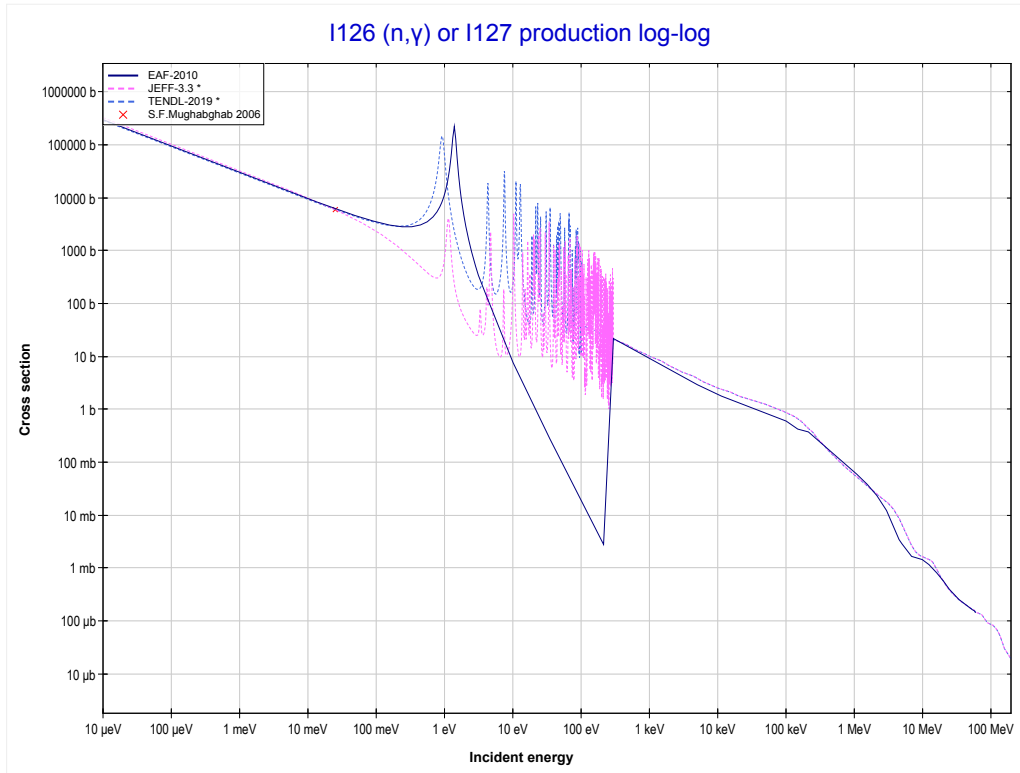
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4349E-7 b | 9.0478E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.74342E-7 b | 4.51017E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 7.67937E-30 b | 8.59924E-8 b | 1.64917E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4349E-7 b | 9.0478E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4349E-7 b | 9.0478E-4 b |
| TENDL-2019 | 1.0039E-20 b | 1.0039E-20 b | 1.1328E-20 b | 1.12842 | 1.22085E-19 b | 3.09862E-7 b | 5.3691E-4 b |

| | | |
|-----------------------------------|---|----------------------------------|
| << 52-Te-130 | 53-I-125 | 53-I-126 >> |
| << 52-Te-130 MT107 (n, α) | MT102 (n,γ) or MT5 (I126 production) | 53-I-126 MT102 (n, γ) >> |



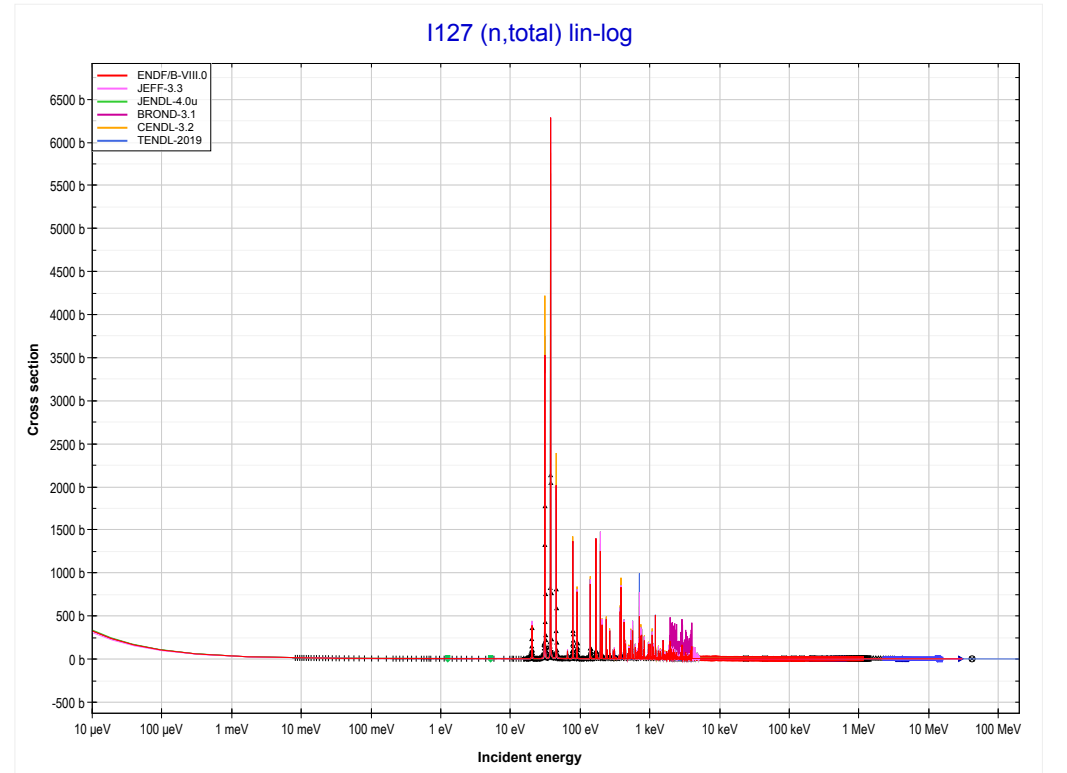
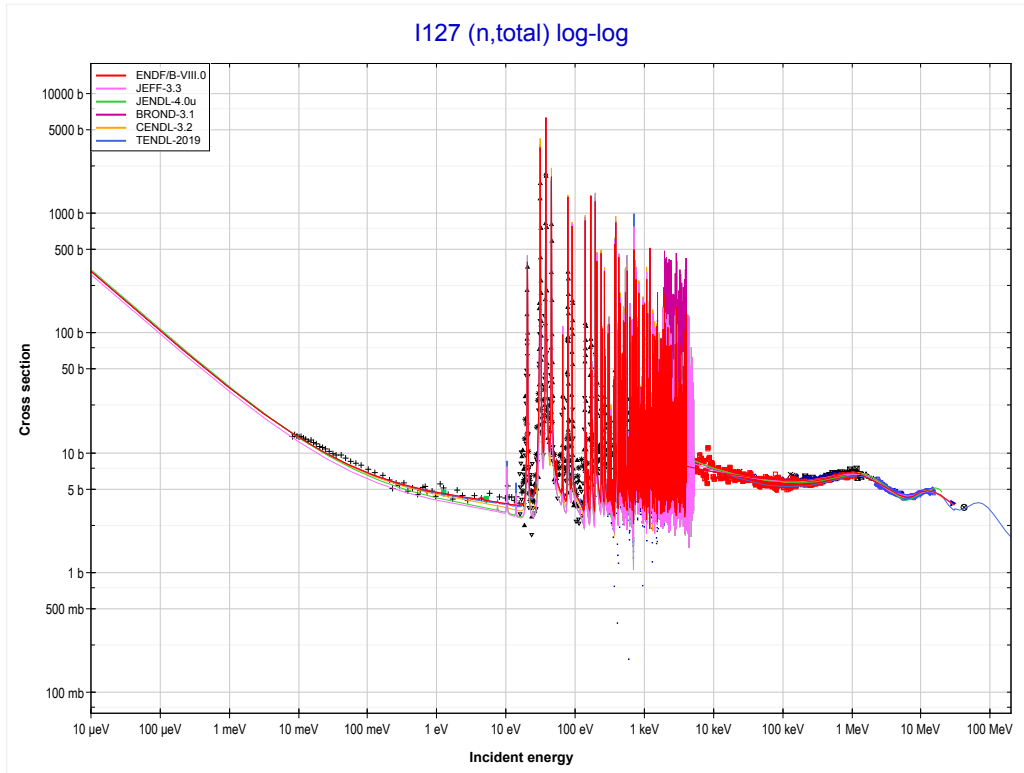
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 900 b | 899.326 b | 899.36 b | 1.00004 | 601.593 b | 0.100032 b | 0.0014508 b |
| TENDL-2019 | 890.709 b | 890.709 b | 886 b | 0.99471 | 3213.23 b | 0.152626 b | 0.00135149 b |

| | | |
|----------------------------------|---|---------------------------|
| << 53-I-125 | 53-I-126 | 53-I-127 >> |
| << 53-I-125 MT102 (n, γ) | MT102 (n,γ) or MT5 (I127 production) | 53-I-127 MT1 (n,total) >> |



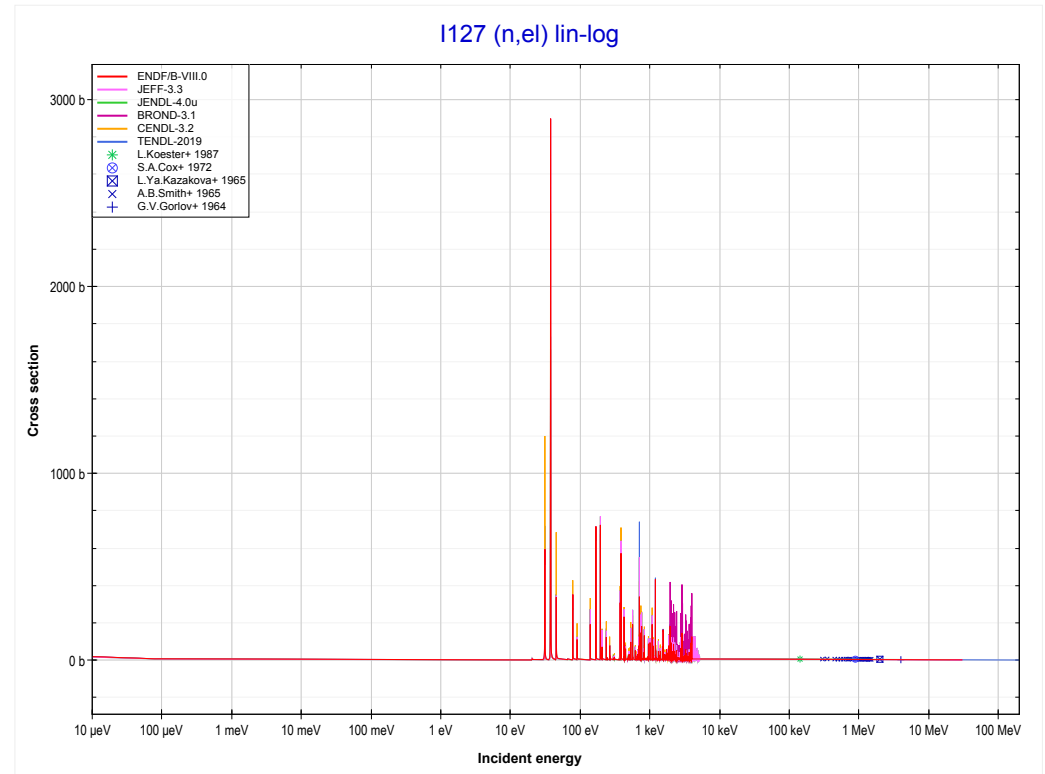
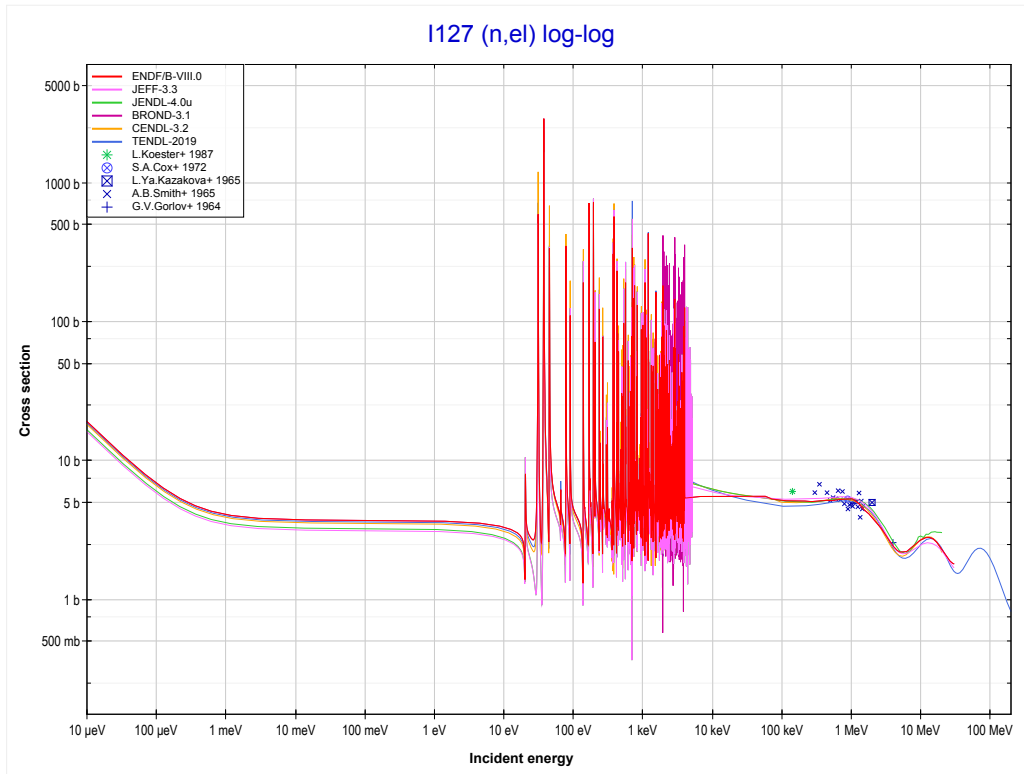
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6192 b | 6187.62 b | 6314.1 b | 1.02048 | 41029 b | 0.0809674 b | 0.00101 b |
| JEFF-3.3 | 5935.94 b | 5935.94 b | 5728.2 b | 0.96501 | 1726.93 b | 0.0921262 b | 0.0013214 b |
| TENDL-2019 | 5936.45 b | 5936.45 b | 6062.8 b | 1.02128 | 36915.9 b | 0.0910805 b | 0.00131986 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 52-Te-130 | 53-I-127 | 53-I-129 >> |
| << 53-I-126 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



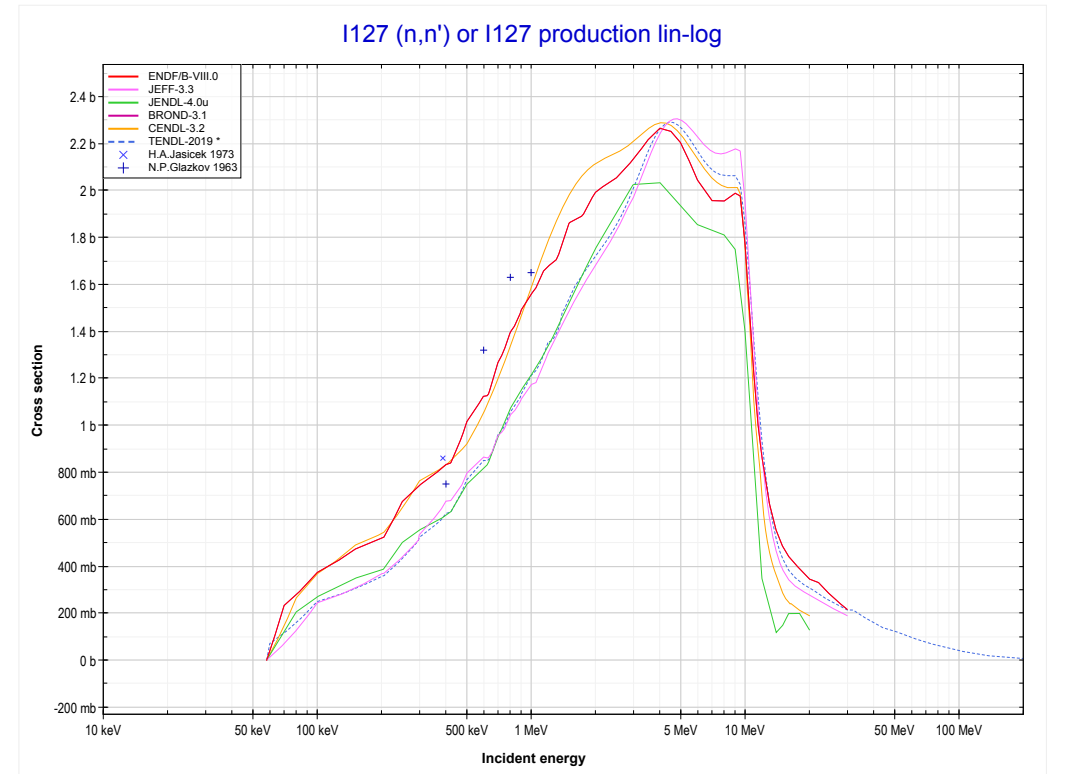
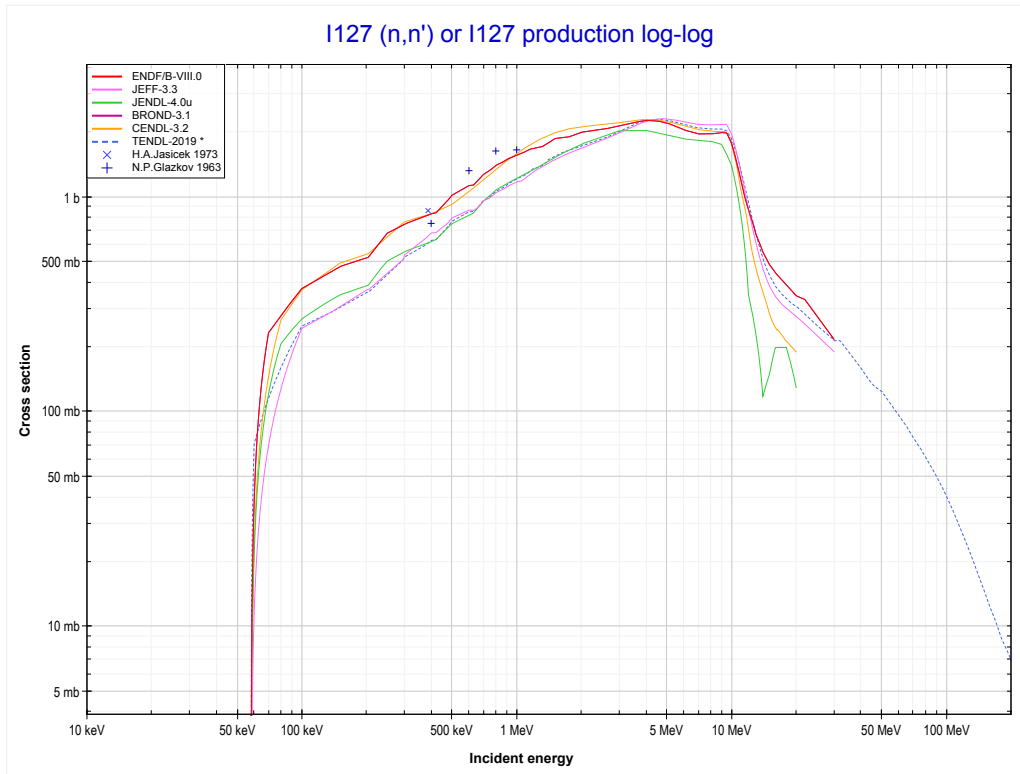
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.87777 b | 9.87777 b | 10.359 b | 1.04872 | 285.072 b | 5.89794 b | 4.78999 b |
| JEFF-3.3 | 8.94873 b | 8.94873 b | 9.3541 b | 1.0453 | 258.463 b | 5.88345 b | 4.73146 b |
| JENDL-4.0u | 9.65671 b | 9.65671 b | 10.075 b | 1.04334 | 259.421 b | 5.87716 b | 4.97584 b |
| BROND-3.1 | 9.87777 b | 9.87777 b | 10.359 b | 1.04872 | 285.079 b | 5.89794 b | 4.78999 b |
| CENDL-3.2 | 9.75426 b | 9.75426 b | 10.21 b | 1.04672 | 280.509 b | 5.96373 b | 4.8397 b |
| TENDL-2019 | 9.78727 b | 9.78727 b | 10.255 b | 1.04782 | 284.708 b | 5.65417 b | 4.74165 b |

| | | |
|------------------|------------------------|---------------|
| << 52-Te-130 | 53-I-127 | 55-Cs-133 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



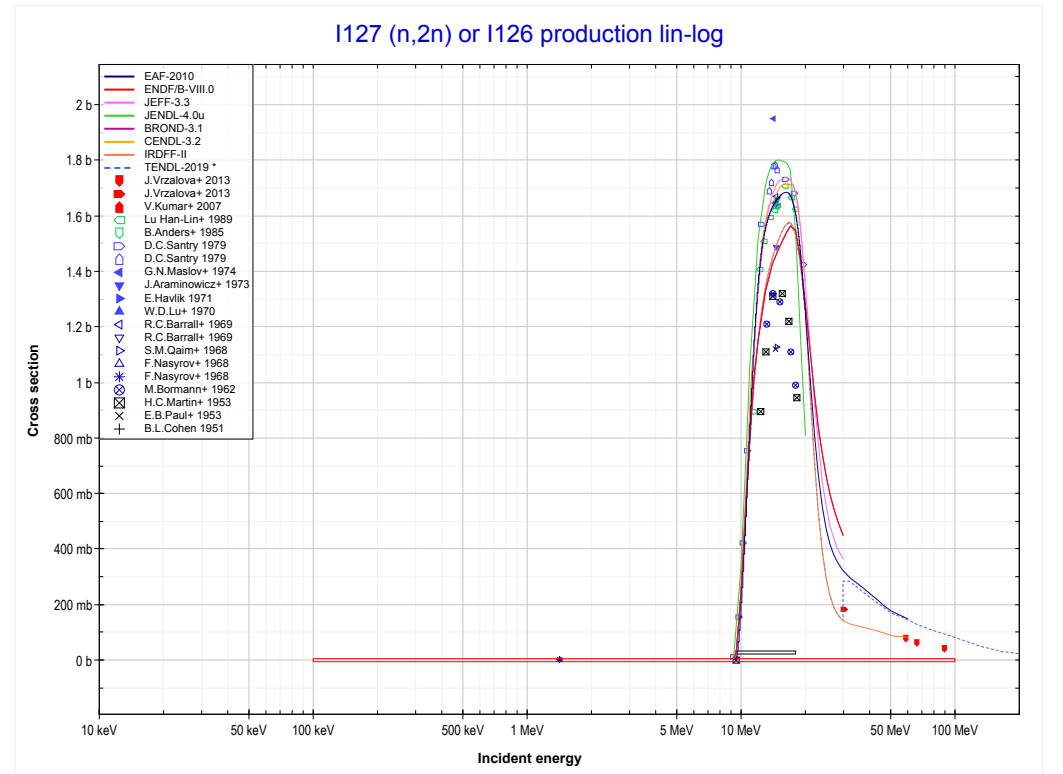
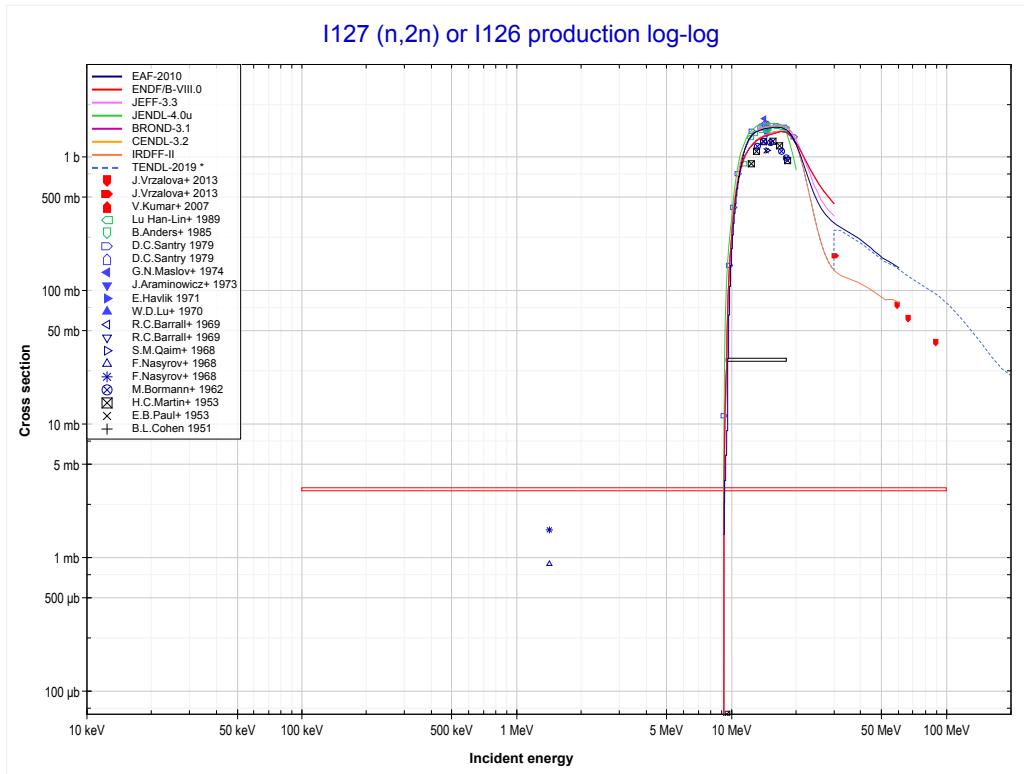
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.73147 b | 3.73147 b | 4.2094 b | 1.12808 | 125.742 b | 4.14261 b | 2.79244 b |
| JEFF-3.3 | 3.14802 b | 3.14802 b | 3.551 b | 1.128 | 105.04 b | 4.35168 b | 2.5511 b |
| JENDL-4.0u | 3.25424 b | 3.25424 b | 3.6707 b | 1.12797 | 105.832 b | 4.36432 b | 3.05019 b |
| BROND-3.1 | 3.73147 b | 3.73147 b | 4.2094 b | 1.12808 | 125.745 b | 4.14261 b | 2.79244 b |
| CENDL-3.2 | 3.55406 b | 3.55406 b | 4.0094 b | 1.12811 | 132.667 b | 4.15134 b | 2.8147 b |
| TENDL-2019 | 3.64 b | 3.64 b | 4.1064 b | 1.12814 | 118.652 b | 4.11675 b | 2.75349 b |

| | | |
|--------------------|--|----------------|
| << 52-Te-130 | 53-I-127 | 56-Ba-135 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (I127 production) | MT16 (n,2n) >> |



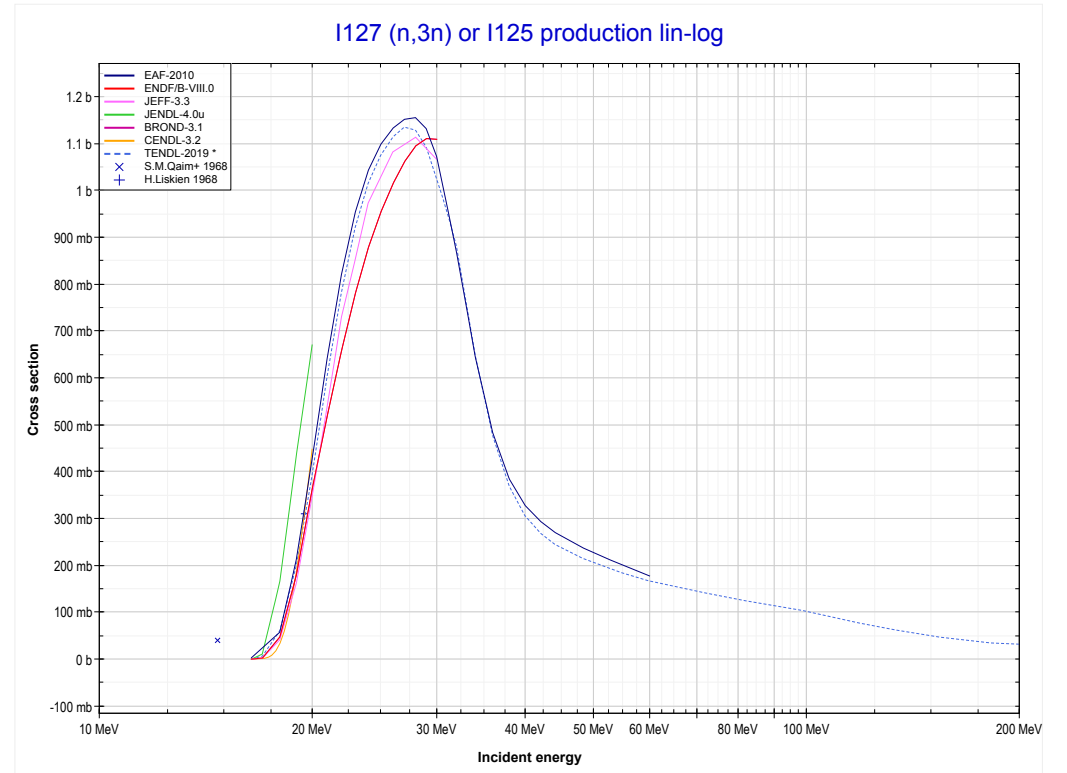
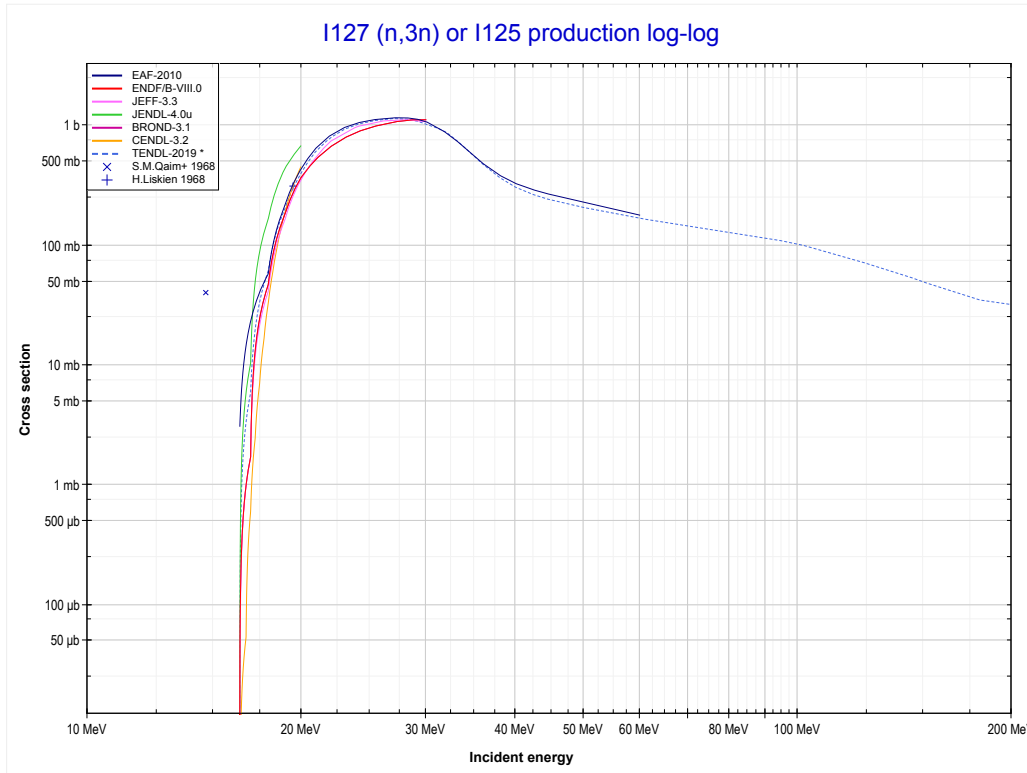
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.127532 b | 1.67891 b | 0.551297 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.060273 b | 1.45704 b | 0.462723 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.0861937 b | 1.4383 b | 0.117608 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.127532 b | 1.67891 b | 0.551297 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.110866 b | 1.7364 b | 0.36057 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.0789659 b | 1.47307 b | 0.515829 b |

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|---------------|---|----------------|
| << 52-Te-130 | 53-I-127 | 53-I-129 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (I126 production) | MT17 (n,3n) >> |



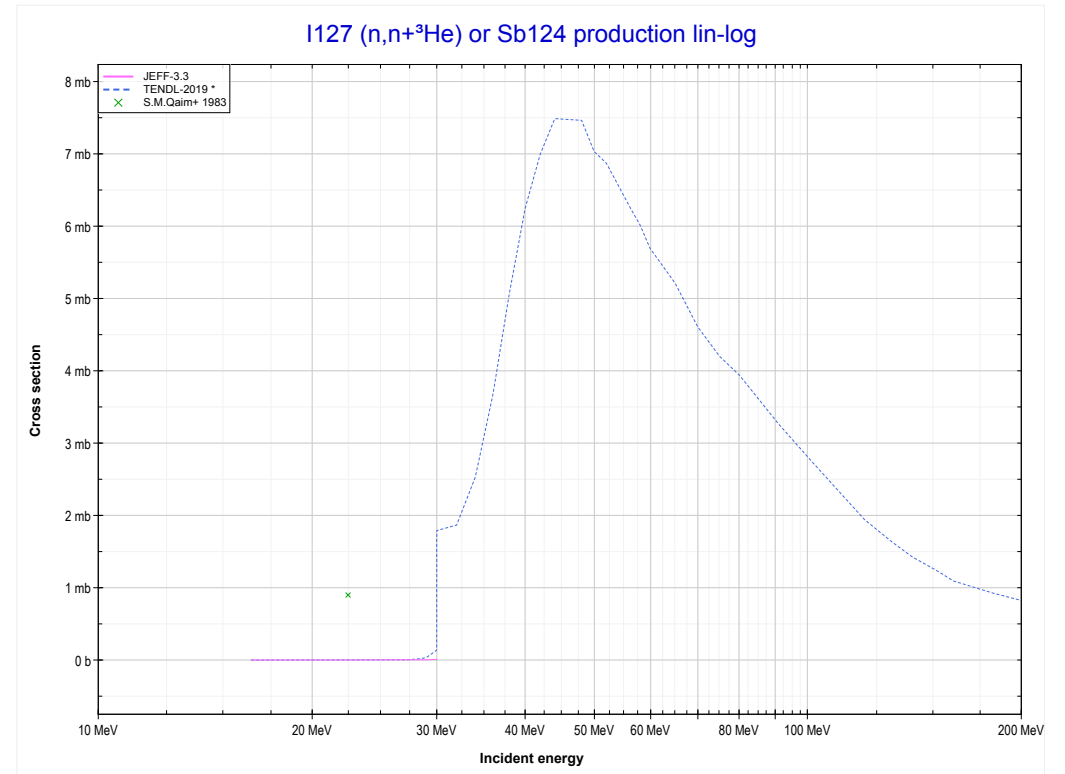
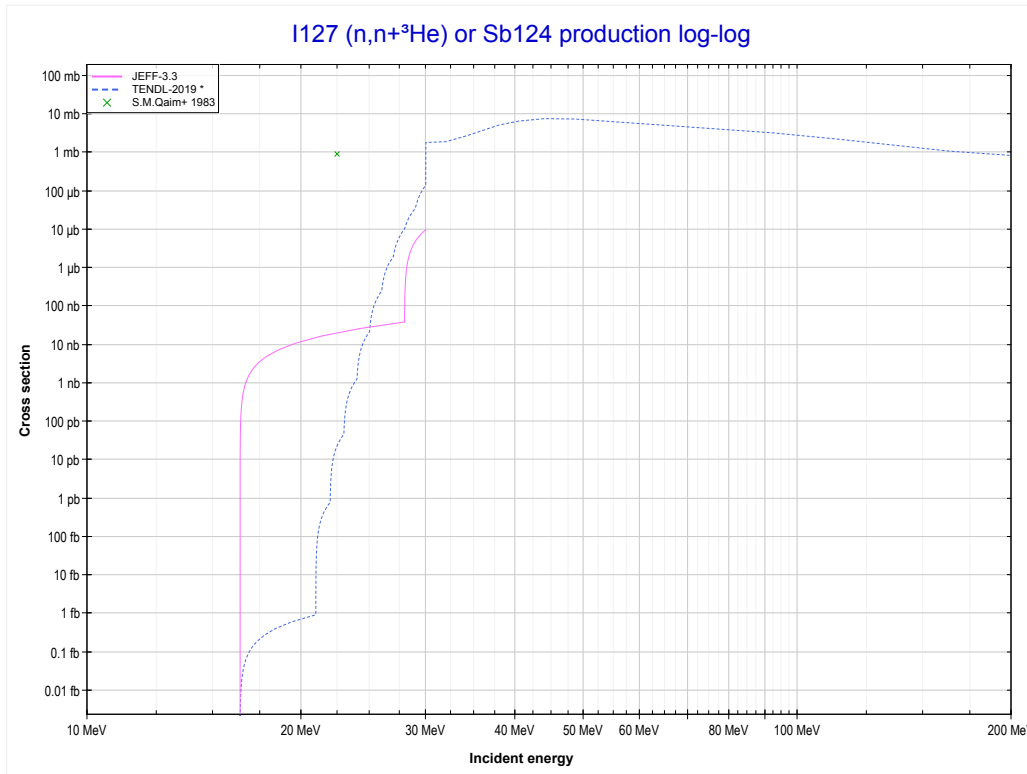
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0017922 b | 1.632 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00174522 b | 1.42582 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00191156 b | 1.67511 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00231915 b | 1.7872 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00174522 b | 1.42582 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198405 b | 1.649 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00172333 b | 1.44824 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00172911 b | 1.44823 b |

| | | |
|----------------|---|--------------------------------|
| << 49-In-113 | 53-I-127 | 55-Cs-133 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (I125 production) | MT34 (n,n+ ³ He) >> |



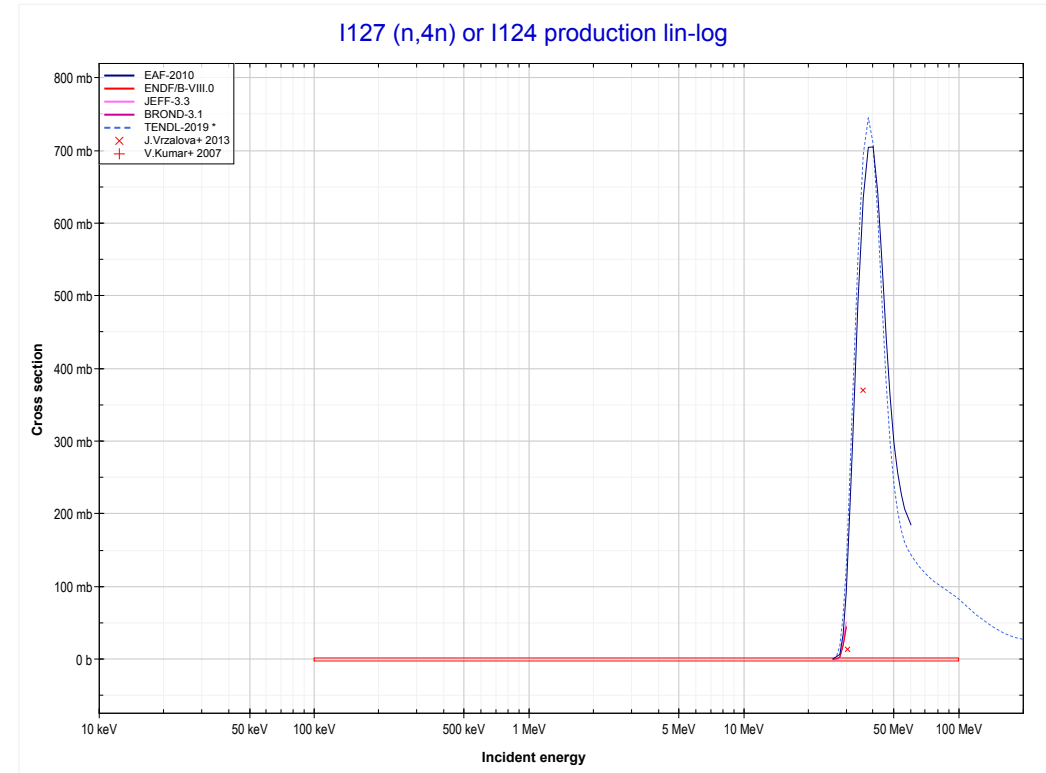
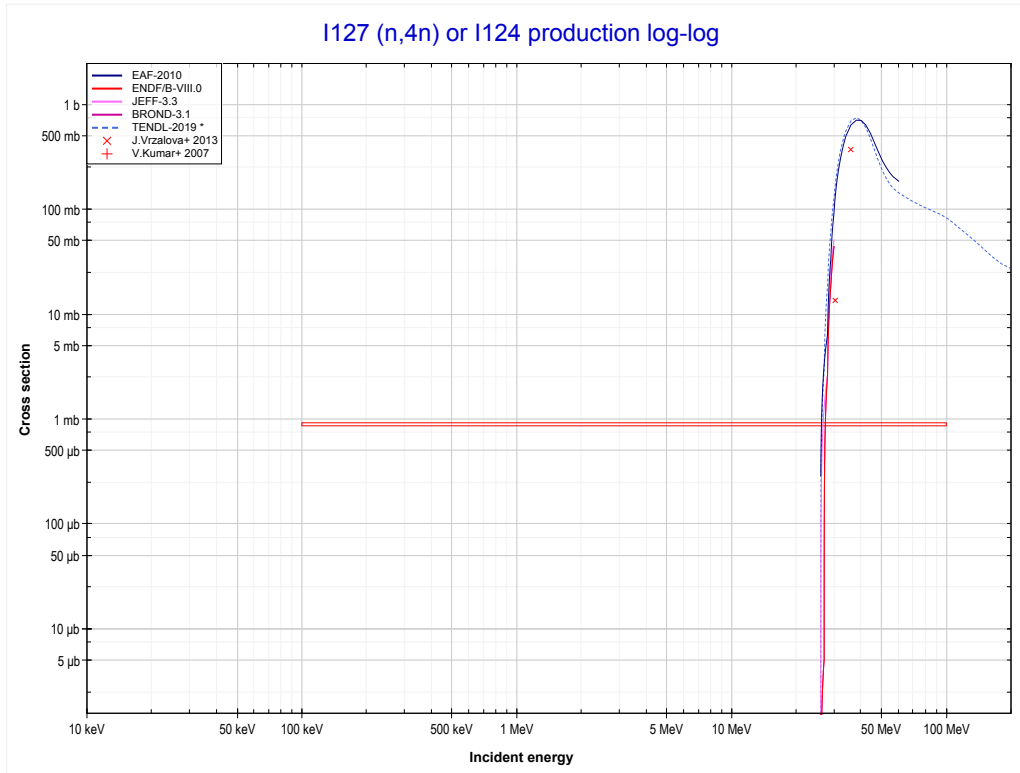
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31584E-6 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.82205E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.97405E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.53743E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.82205E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92711E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16121E-6 b | 0 b |

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|----------------|--|----------------|
| << 27-Co-59 | 53-I-127 | 57-La-139 >> |
| << MT17 (n,3n) | MT34 (n,n+³He) or MT5 (Sb124 production) | MT37 (n,4n) >> |



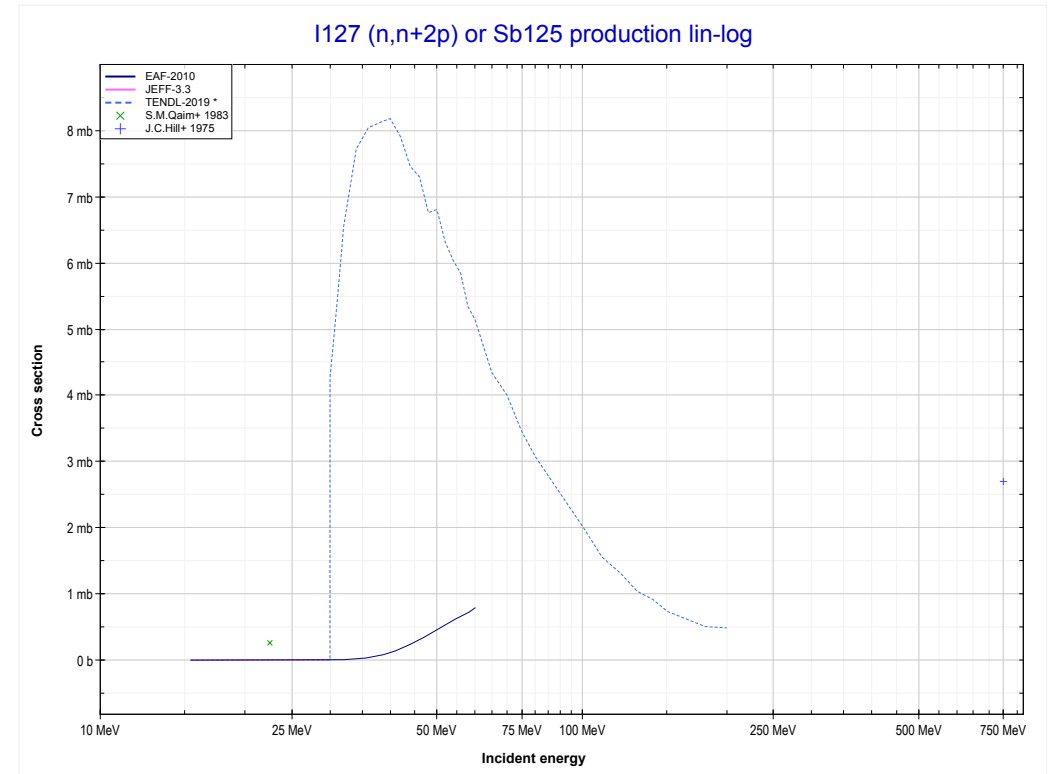
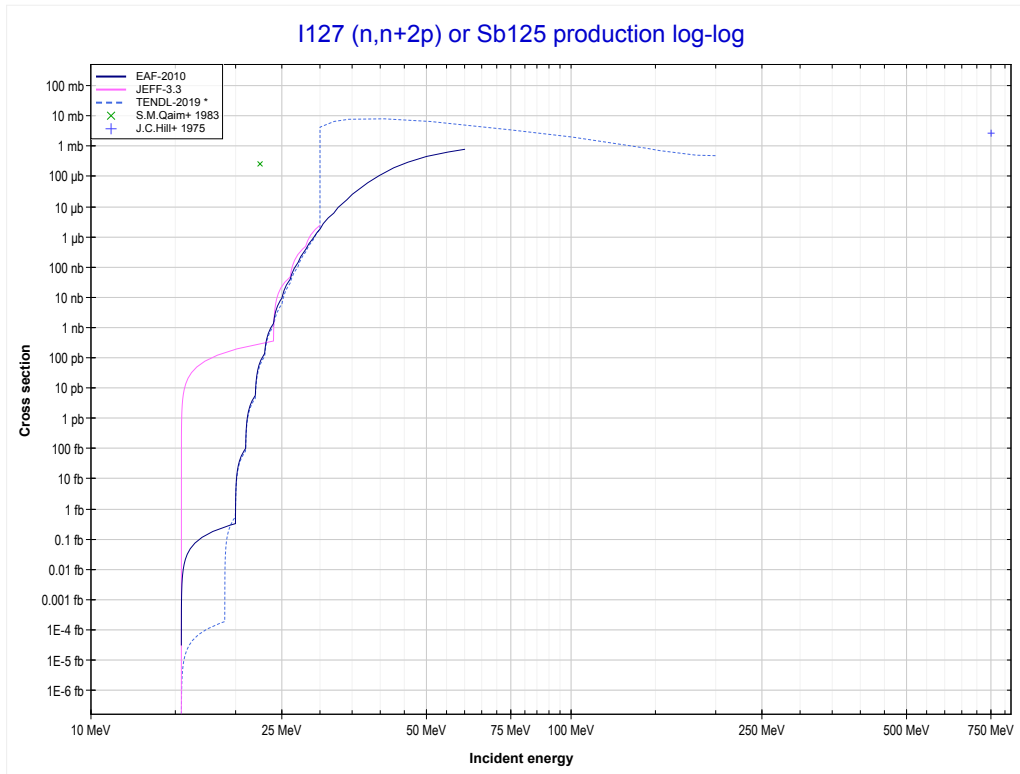
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.07544E-14 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.2636E-21 b | 0 b |

| | | |
|--------------------------------|---|------------------|
| << 41-Nb-93 | 53-I-127 | 53-I-129 >> |
| << MT34 (n,n+ ³ He) | MT37 (n,4n) or MT5 (I124 production) | MT44 (n,n+2p) >> |



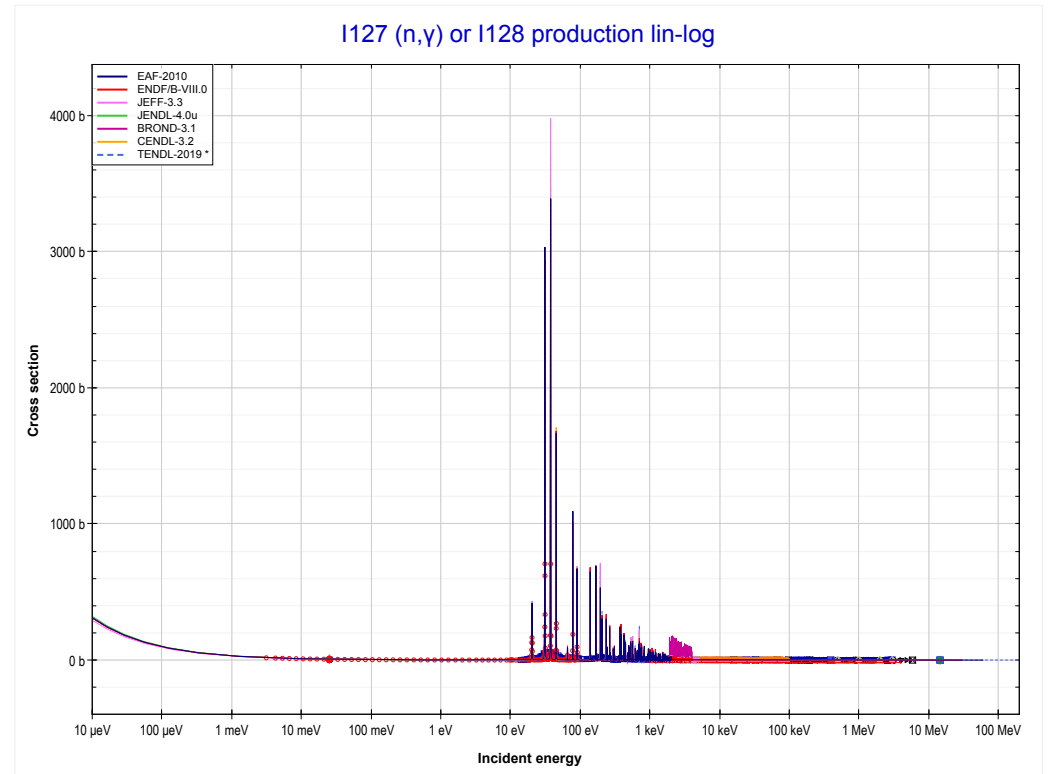
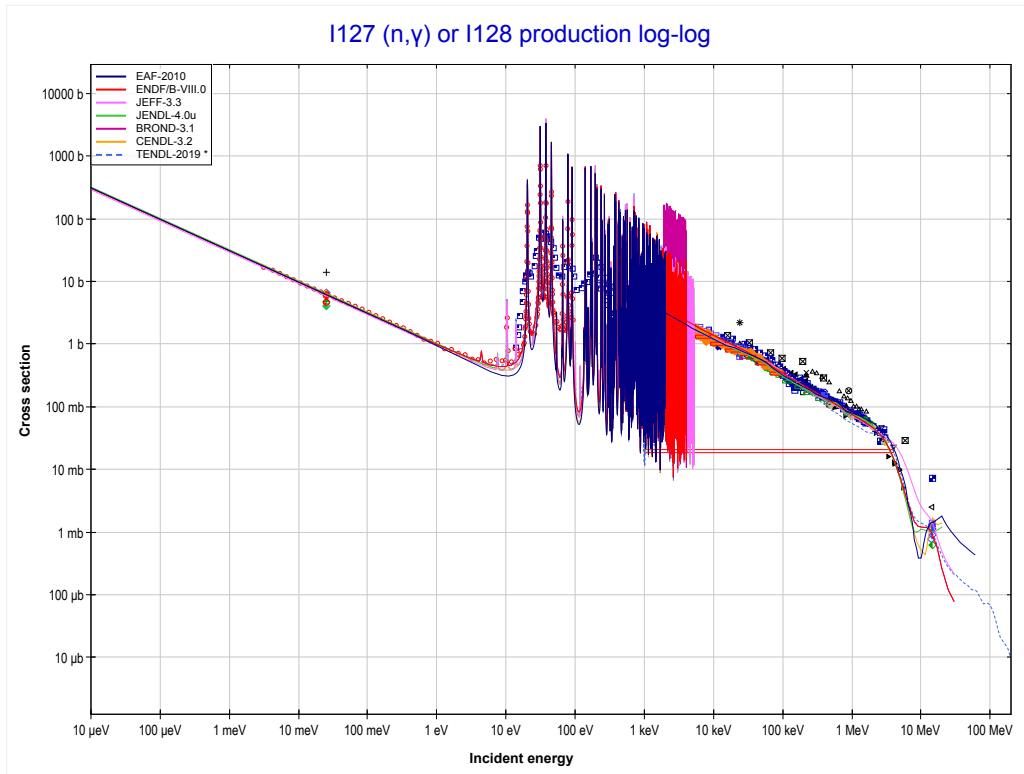
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 49-In-115 | 53-I-127 | 55-Cs-133 >> |
| << MT37 (n,4n) | MT44 (n,n+2p) or MT5 (Sb125 production) | MT102 (n, γ) >> |



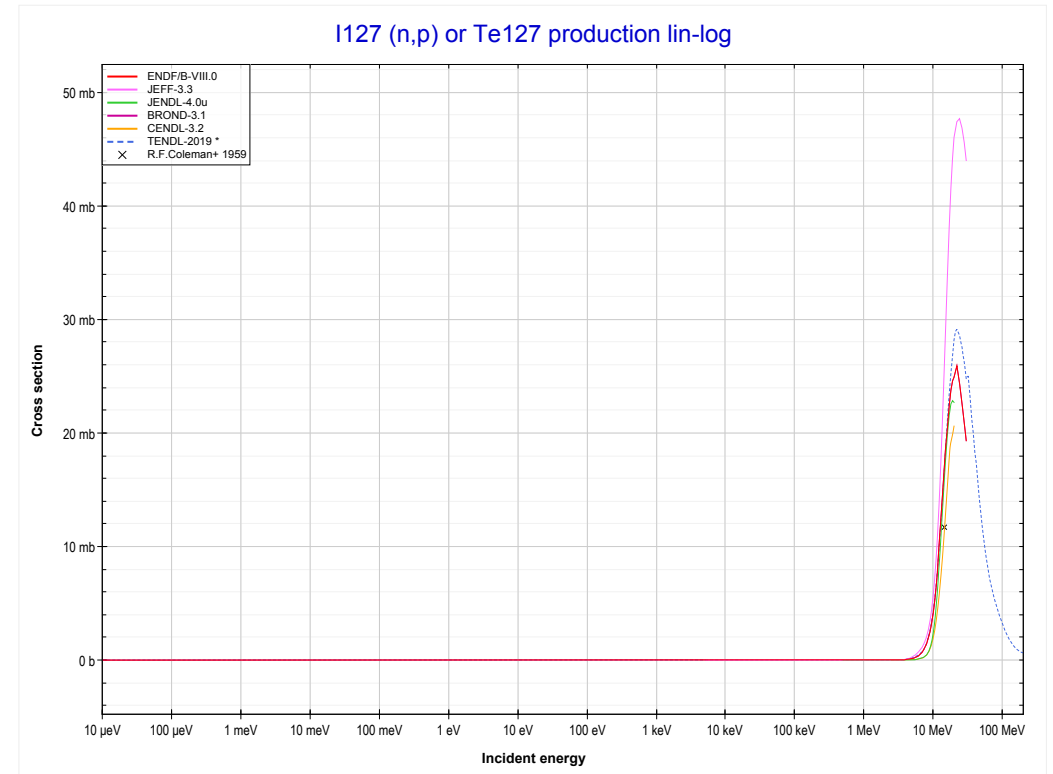
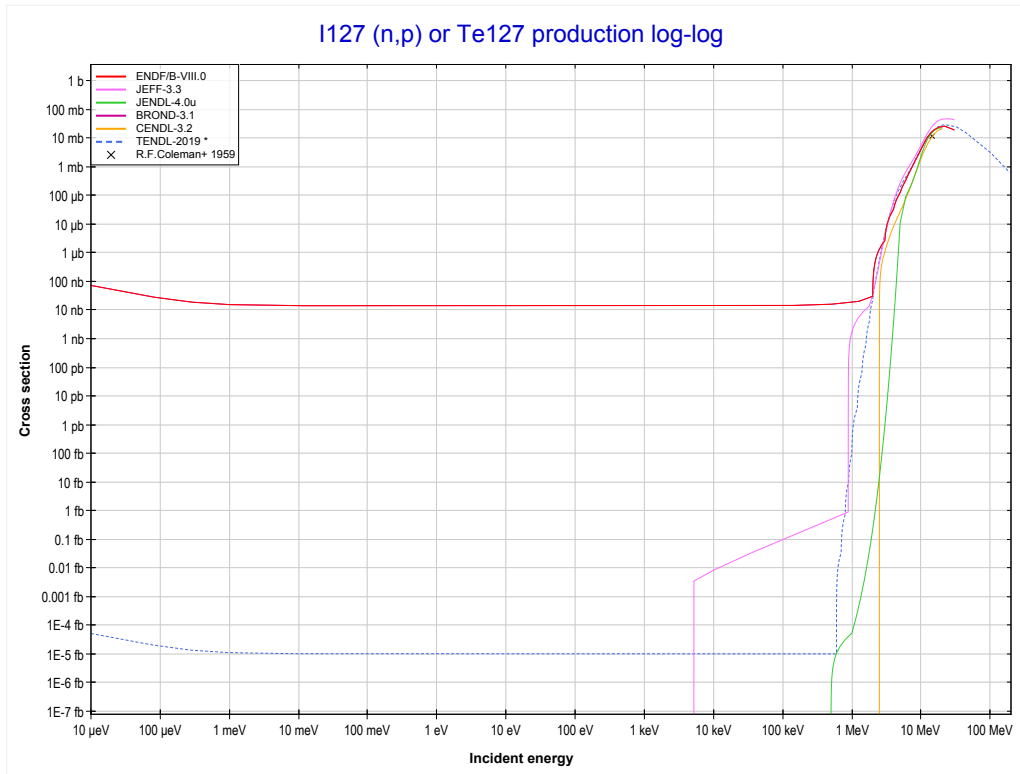
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13387E-15 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.21507E-22 b | 0 b |

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|------------------|---|----------------|
| << 53-I-126 | 53-I-127 | 53-I-128 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (I128 production) | MT103 (n,p) >> |



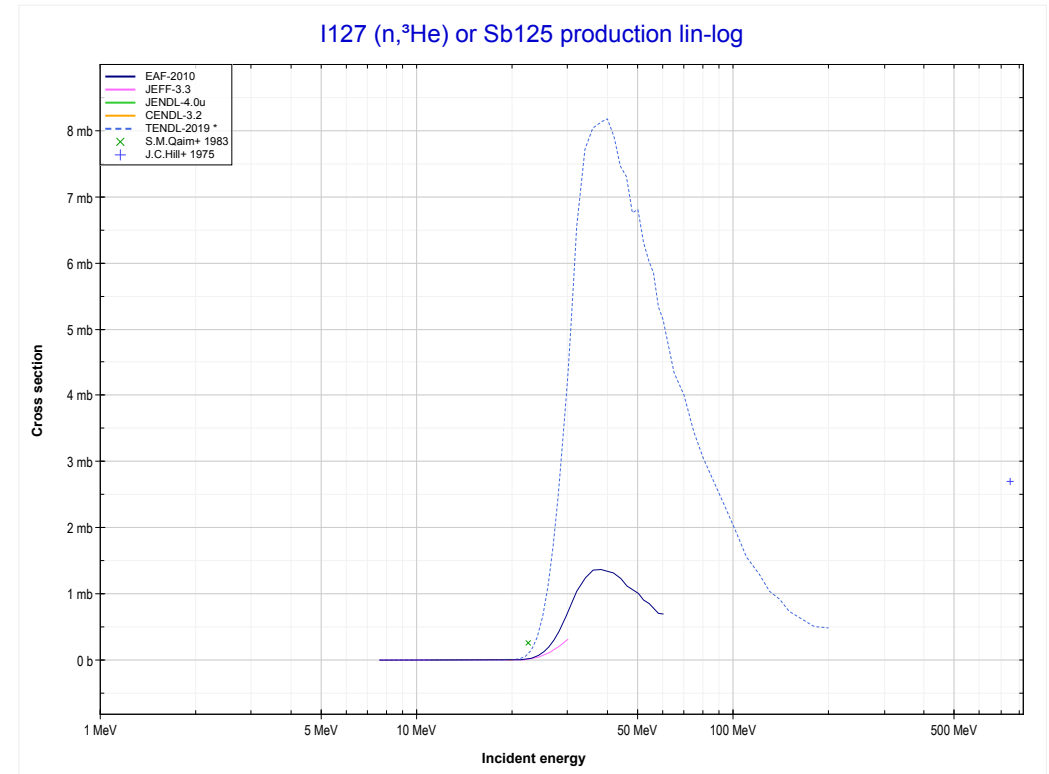
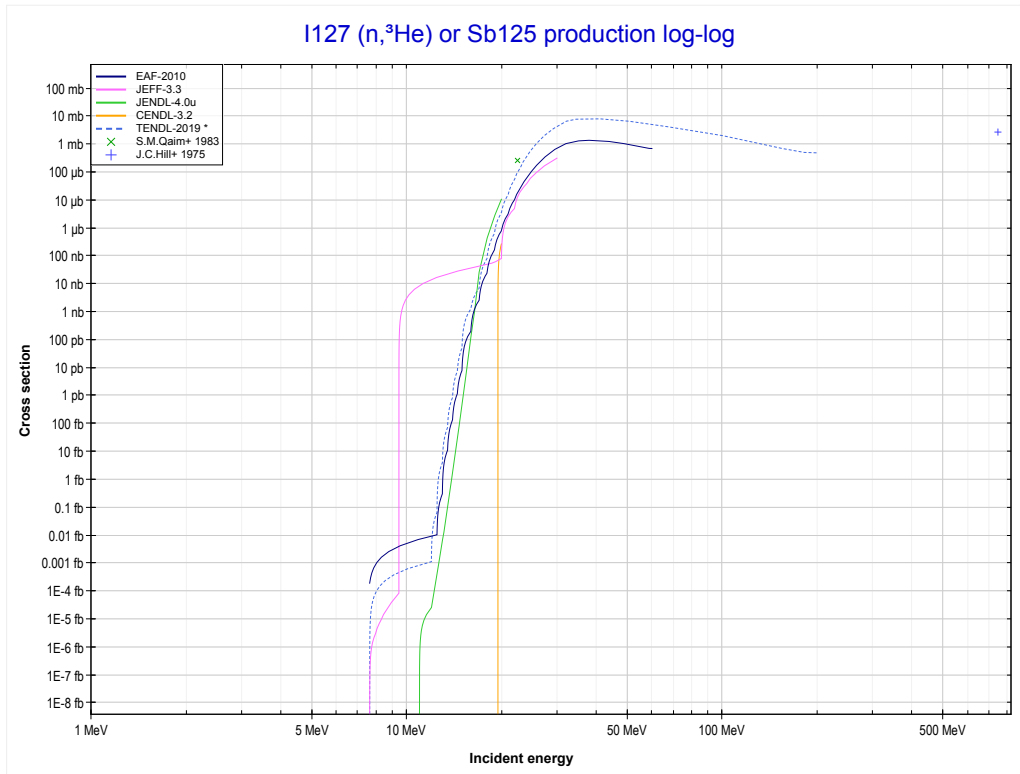
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.1988 b | 6.19415 b | 6.1901 b | 0.99934 | 143.737 b | 0.0794421 b | 0.00143399 b |
| ENDF/B-VIII.0 | 6.1463 b | 6.1463 b | 6.1496 b | 1.00054 | 159.202 b | 0.0746135 b | 0.0010142 b |
| JEFF-3.3 | 5.80071 b | 5.80071 b | 5.8031 b | 1.00041 | 153.363 b | 0.0727084 b | 0.00156014 b |
| JENDL-4.0u | 6.40247 b | 6.40247 b | 6.4046 b | 1.00033 | 153.503 b | 0.0721917 b | 0.00100172 b |
| BROND-3.1 | 6.1463 b | 6.1463 b | 6.1496 b | 1.00054 | 159.207 b | 0.0746138 b | 0.0010142 b |
| CENDL-3.2 | 6.20021 b | 6.20021 b | 6.2006 b | 1.00006 | 147.718 b | 0.0740626 b | 0.0013888 b |
| TENDL-2019 | 6.14727 b | 6.14727 b | 6.1489 b | 1.00026 | 165.969 b | 0.0608824 b | 0.00106763 b |

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|-------------------------|--|------------------------------|
| << 52-Te-130 | 53-I-127 | 54-Xe-124 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Te127 production) | MT106 (n, ^3He) >> |



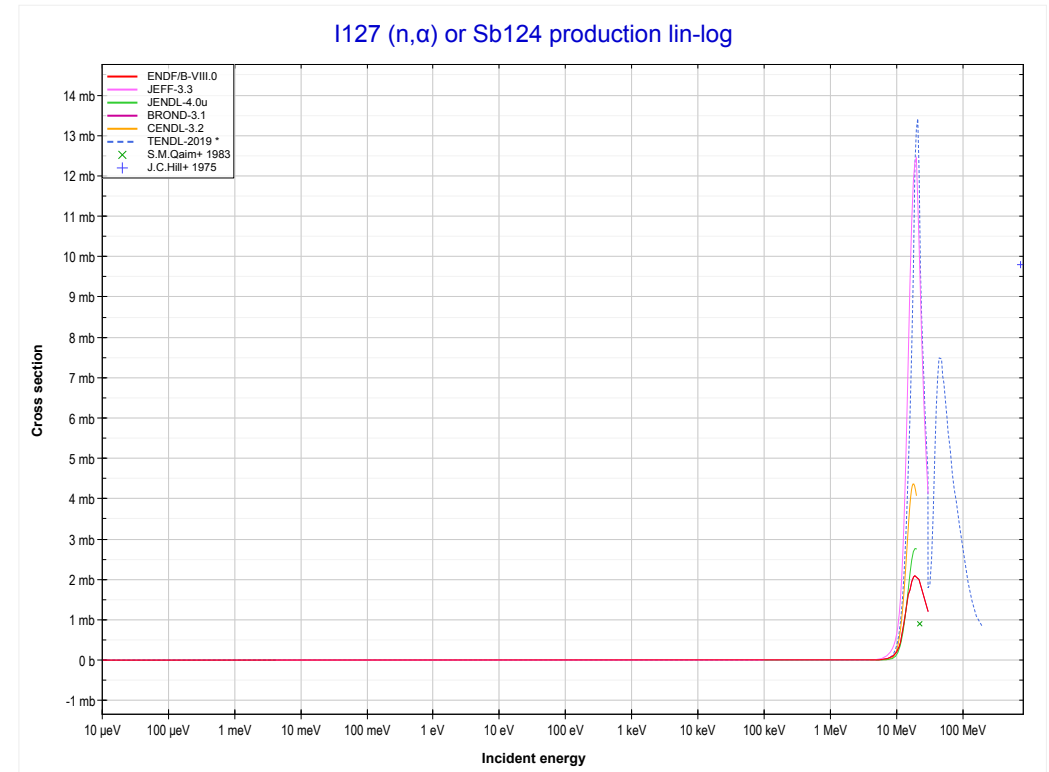
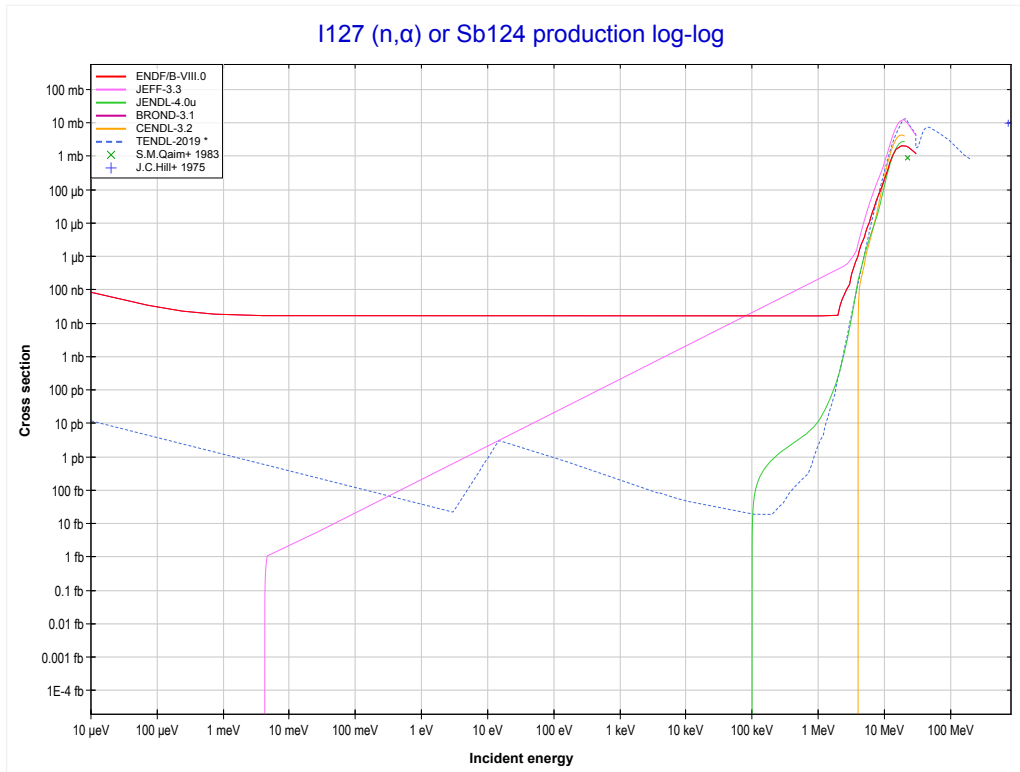
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.40686E-8 b | 1.40686E-8 b | 1.5875E-8 b | 1.12837 | 1.71311E-7 b | 5.69241E-5 b | 0.0156675 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 8.95758E-17 b | 8.87639E-5 b | 0.023276 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.31172E-5 b | 0.0144507 b |
| BROND-3.1 | 1.40686E-8 b | 1.40686E-8 b | 1.5875E-8 b | 1.12837 | 1.71311E-7 b | 5.6924E-5 b | 0.0156675 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.05095E-5 b | 0.010014 b |
| TENDL-2019 | 1.004E-20 b | 1.004E-20 b | 1.1329E-20 b | 1.12842 | 1.22077E-19 b | 6.36901E-5 b | 0.0152945 b |

| | | |
|----------------|---|----------------|
| << 52-Te-130 | 53-I-127 | 55-Cs-133 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Sb125 production) | MT107 (n,α) >> |



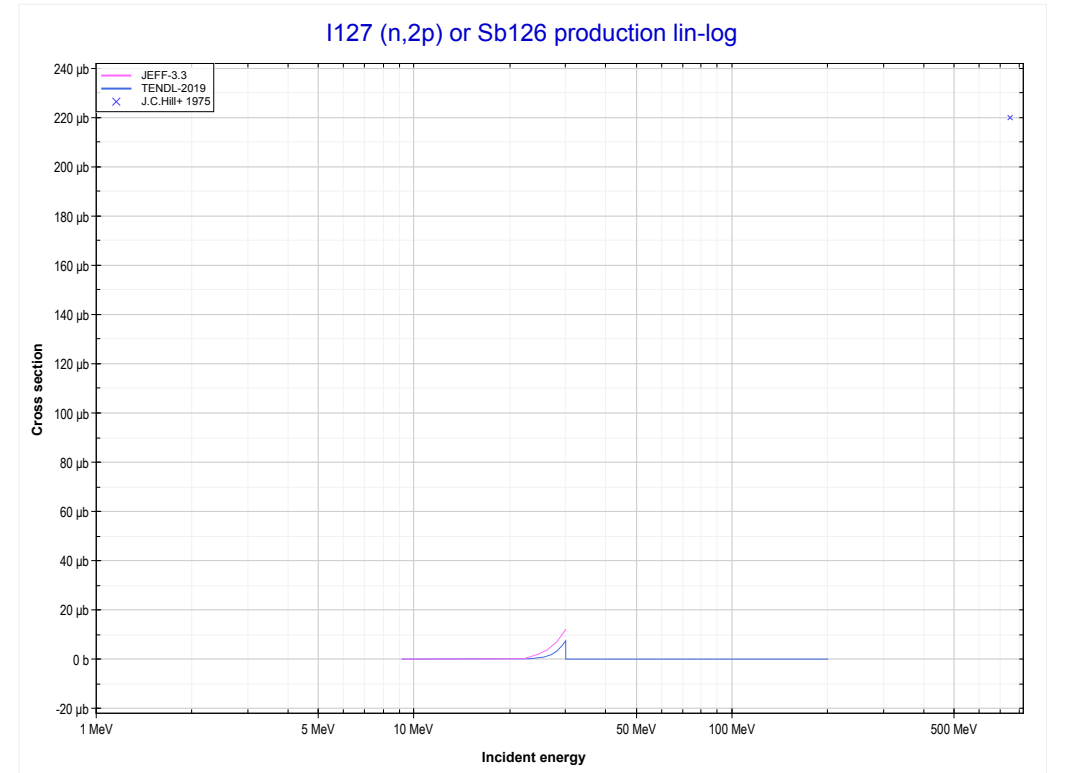
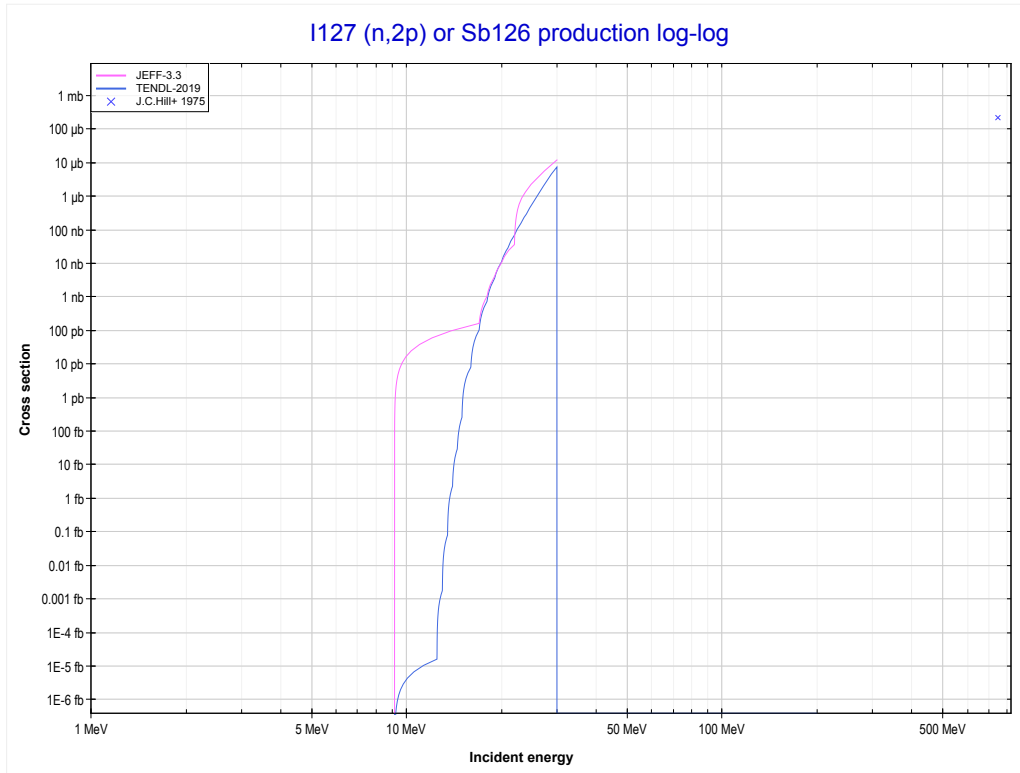
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1462E-12 b | 1.30304E-13 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28513E-11 b | 2.53173E-8 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.3706E-11 b | 1.7026E-15 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.76228E-14 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.66009E-12 b | 8.3617E-13 b |

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|-------------------------------|--|-----------------|
| << 52-Te-130 | 53-I-127 | 54-Xe-125 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Sb124 production) | MT111 (n,2p) >> |



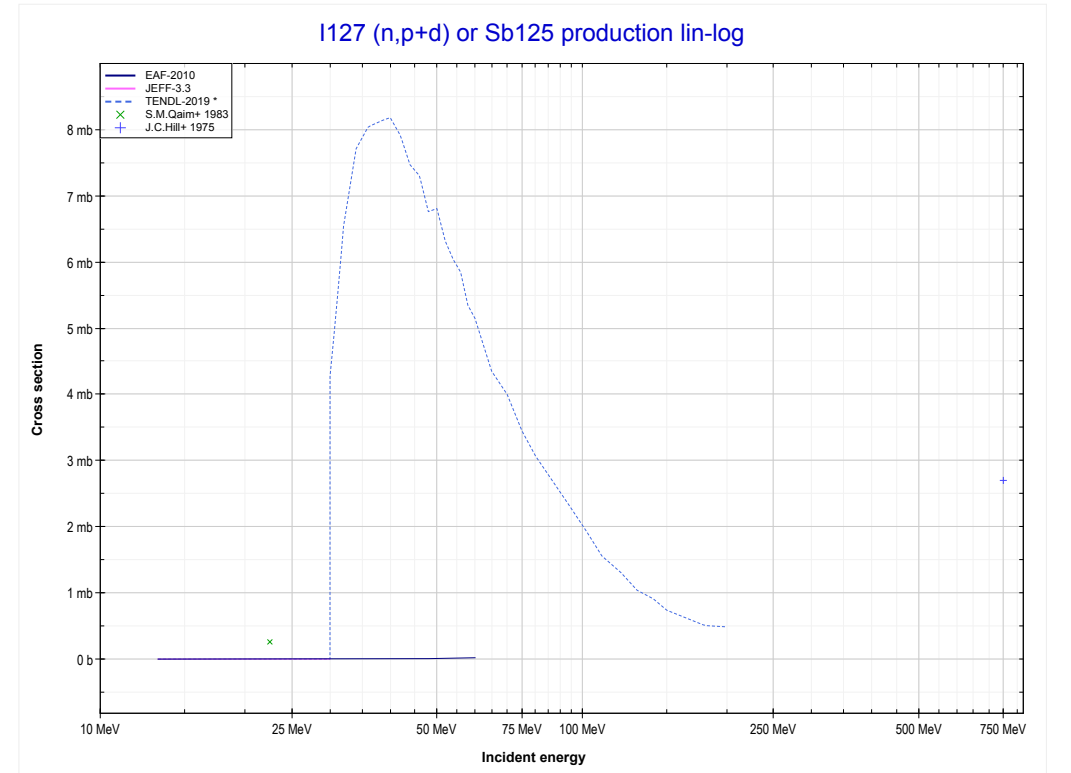
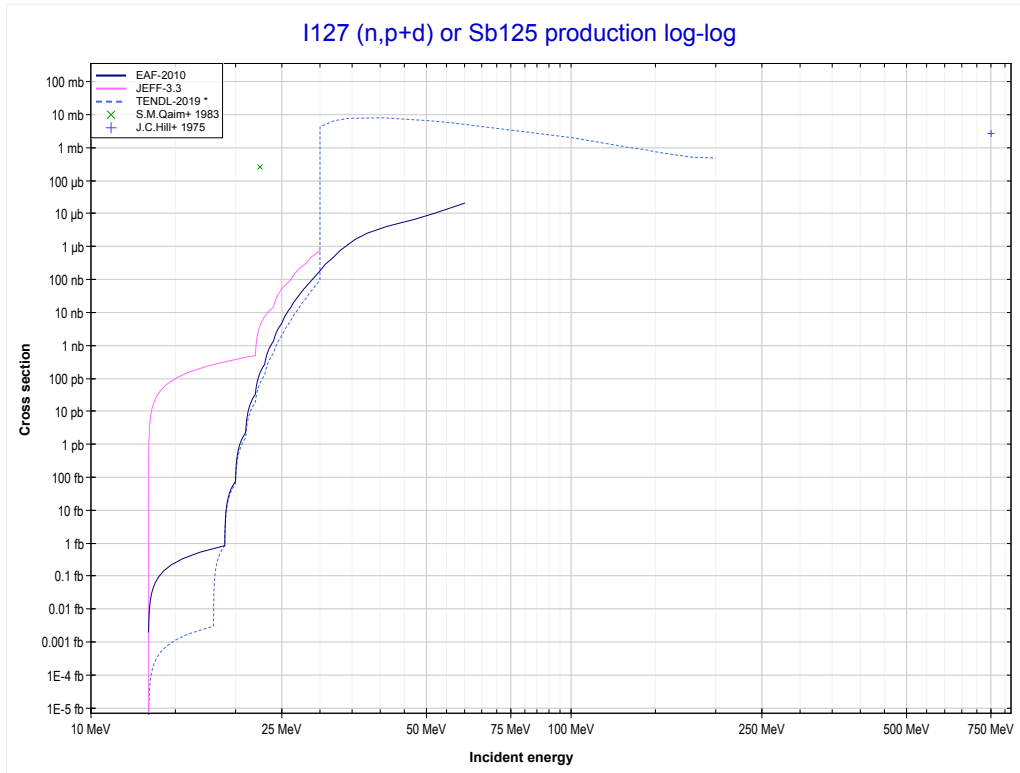
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 1.65363E-8 b | 1.65363E-8 b | 1.8659E-8 b | 1.12837 | 2.01062E-7 b | 2.58937E-6 b | 0.00126665 b |
| JEFF-3.3 | 5.31693E-15 b | 5.31693E-15 b | 1.2002E-14 b | 2.25725 | 2.0533E-8 b | 8.81E-6 b | 0.0052548 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.66123E-24 b | 1.42752E-6 b | 0.00127869 b |
| BROND-3.1 | 1.65363E-8 b | 1.65363E-8 b | 1.8659E-8 b | 1.12838 | 2.01062E-7 b | 2.58937E-6 b | 0.00126665 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38639E-6 b | 0.0024464 b |
| TENDL-2019 | 2.3783E-13 b | 2.3783E-13 b | 2.3773E-13 b | 0.99959 | 5.98336E-12 b | 3.68037E-6 b | 0.00324346 b |

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|-------------------------|---|------------------|
| << 45-Rh-103 | 53-I-127 | 55-Cs-133 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Sb126 production) | MT115 (n,p+d) >> |



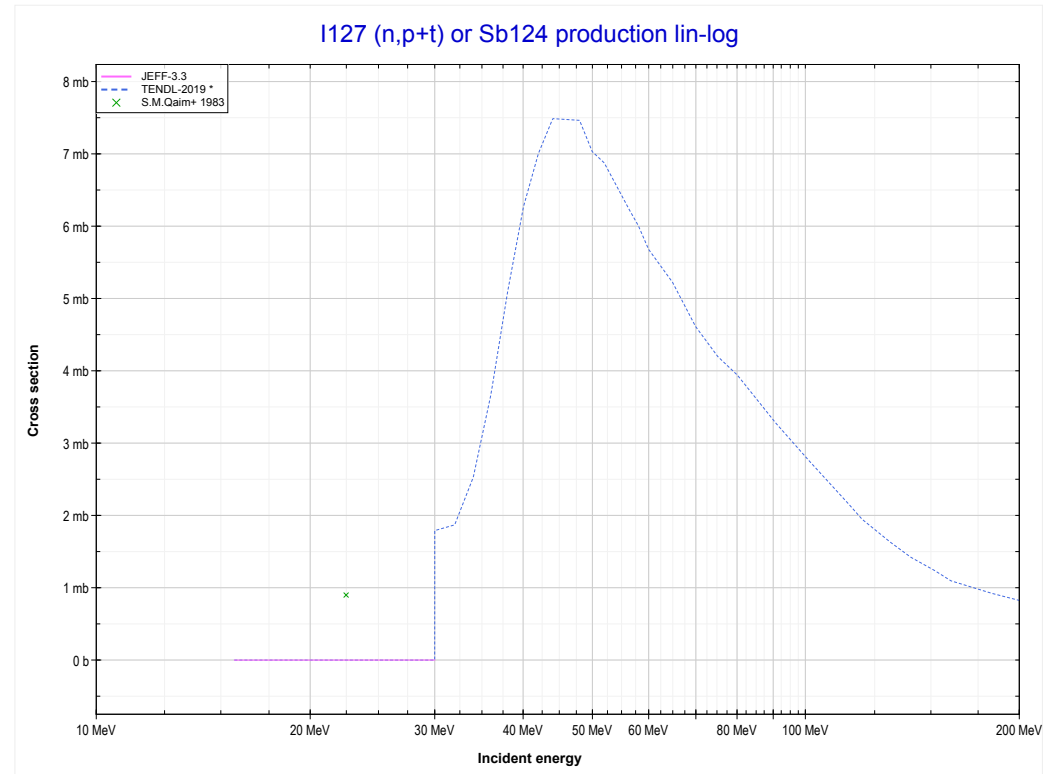
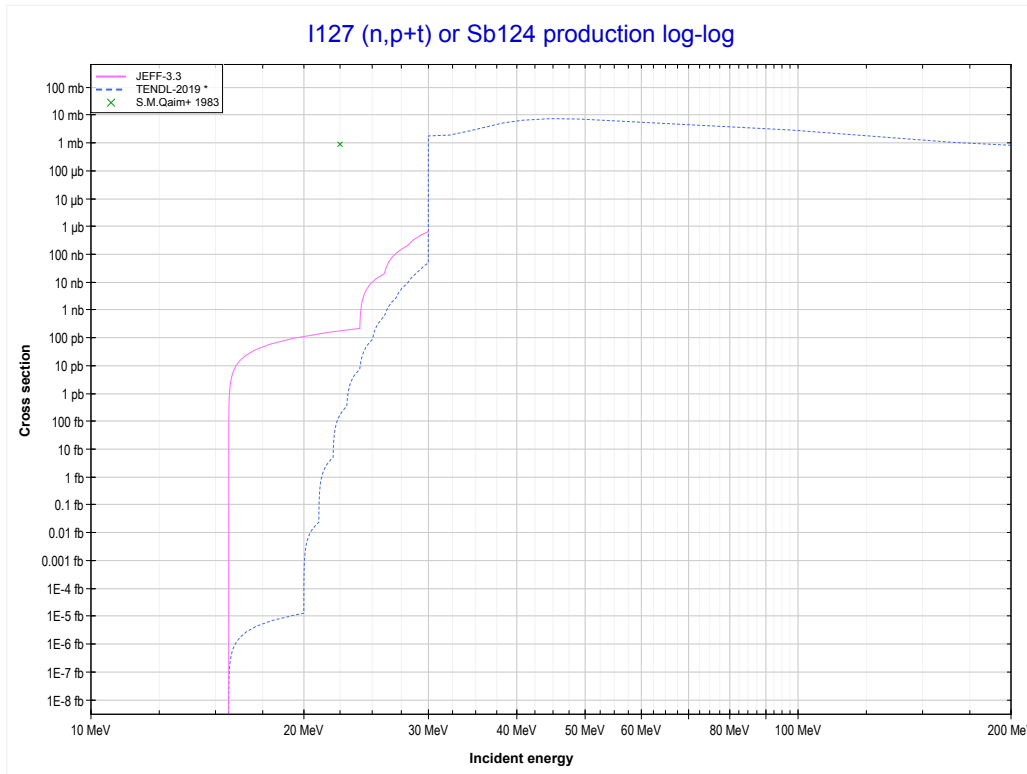
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26141E-13 b | 1.00519E-10 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.16016E-14 b | 2.2825E-15 b |

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|-----------------|--|------------------|
| << 49-In-115 | 53-I-127 | 55-Cs-133 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (Sb125 production) | MT116 (n,p+t) >> |



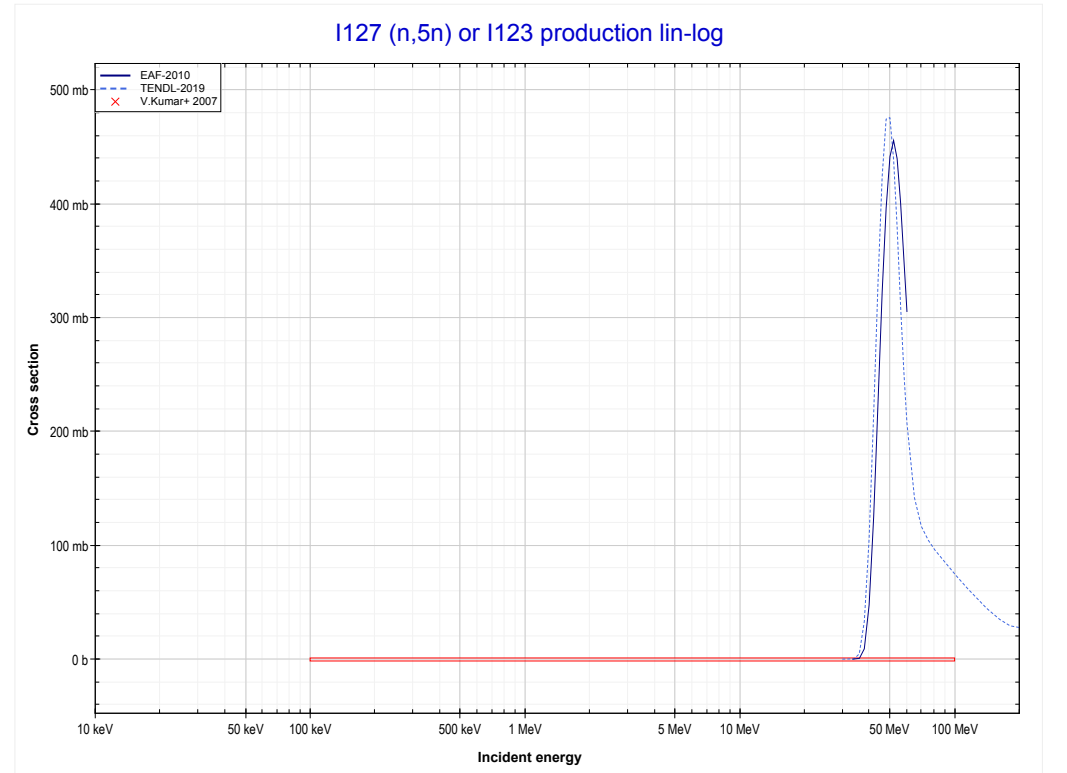
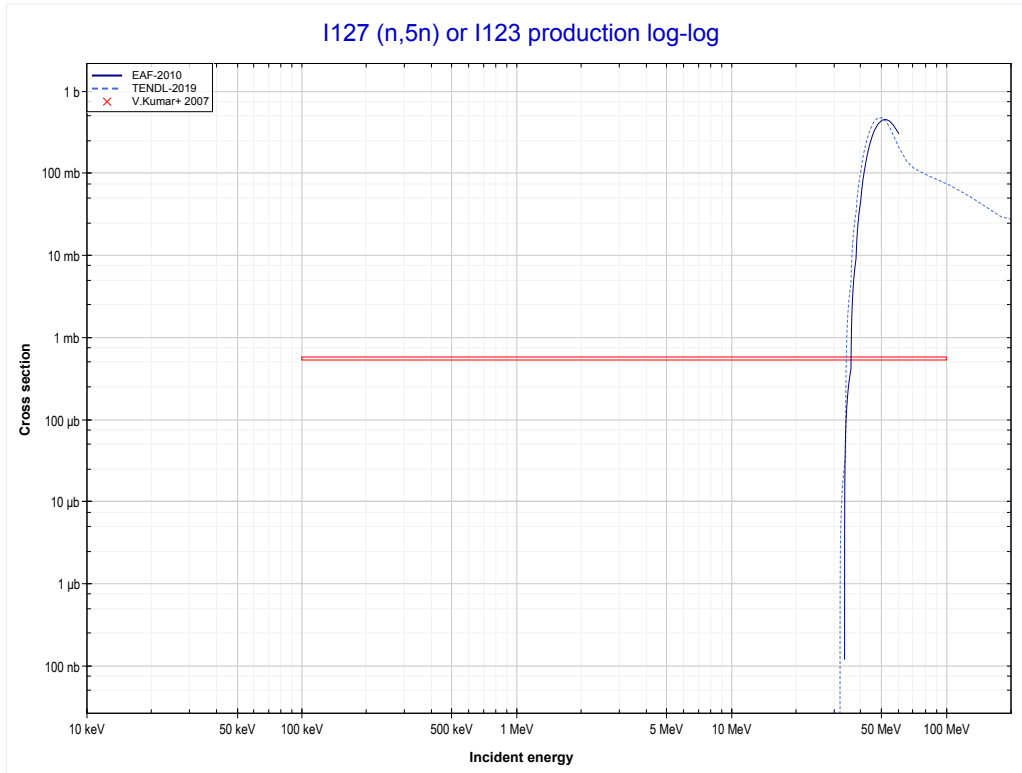
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57736E-14 b | 4.50734E-11 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.00498E-20 b | 5.14305E-19 b |

| | | |
|------------------|--|-----------------|
| << 27-Co-59 | 53-I-127 | 57-La-139 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Sb124 production) | MT152 (n,5n) >> |



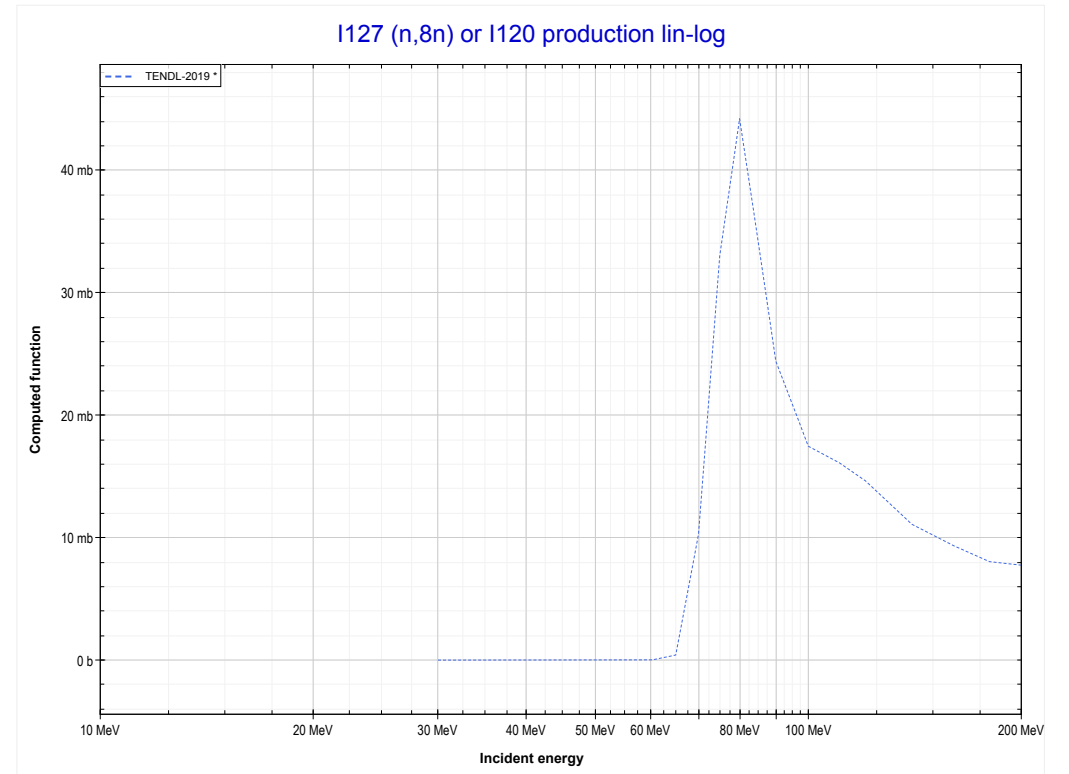
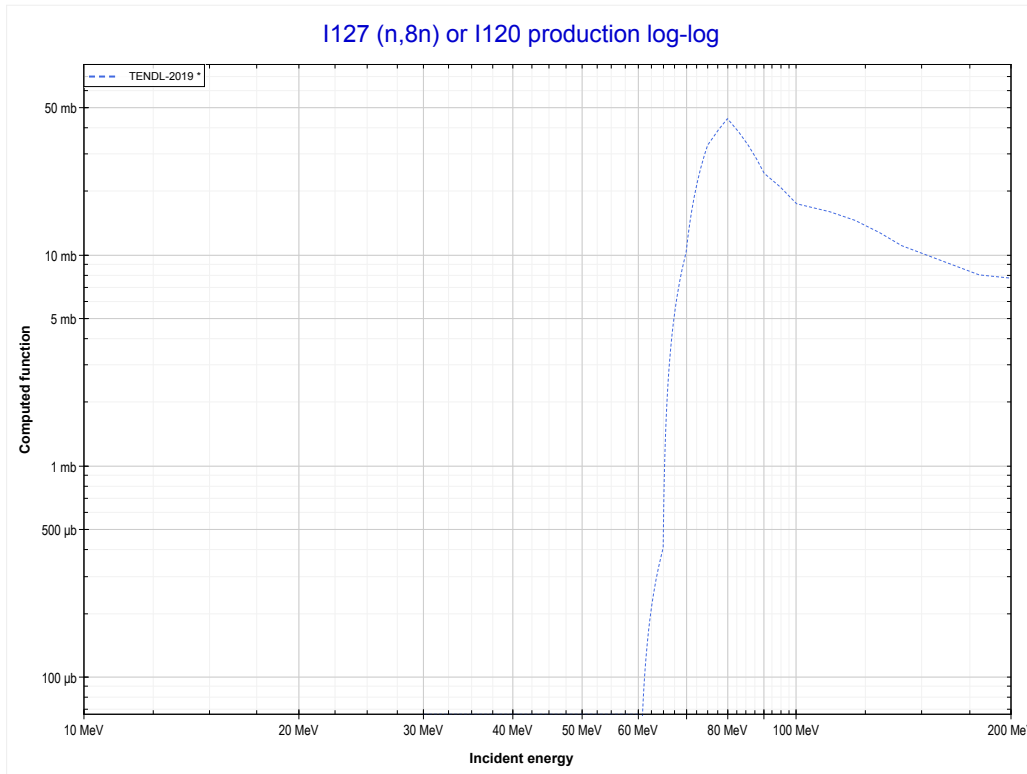
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10094E-15 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24104E-25 b | 0 b |

| | | |
|------------------|--|-----------------|
| << 27-Co-59 | 53-I-127 | 73-Ta-181 >> |
| << MT116 (n,p+t) | MT152 (n,5n) or MT5 (I123 production) | MT161 (n,8n) >> |



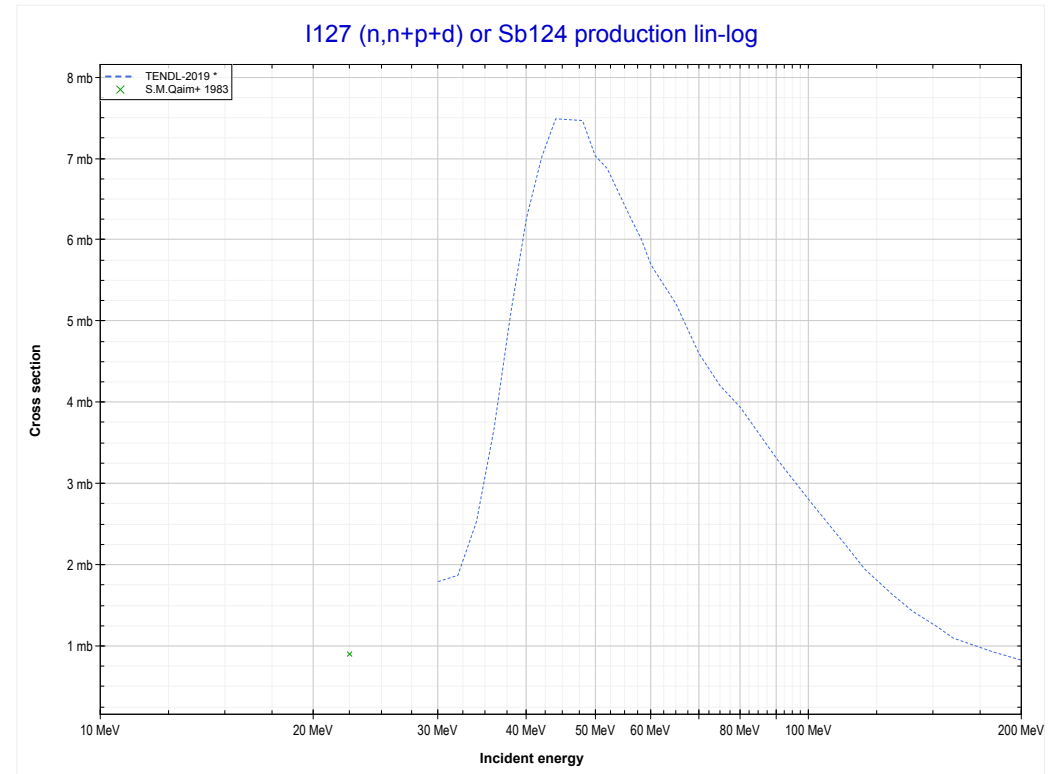
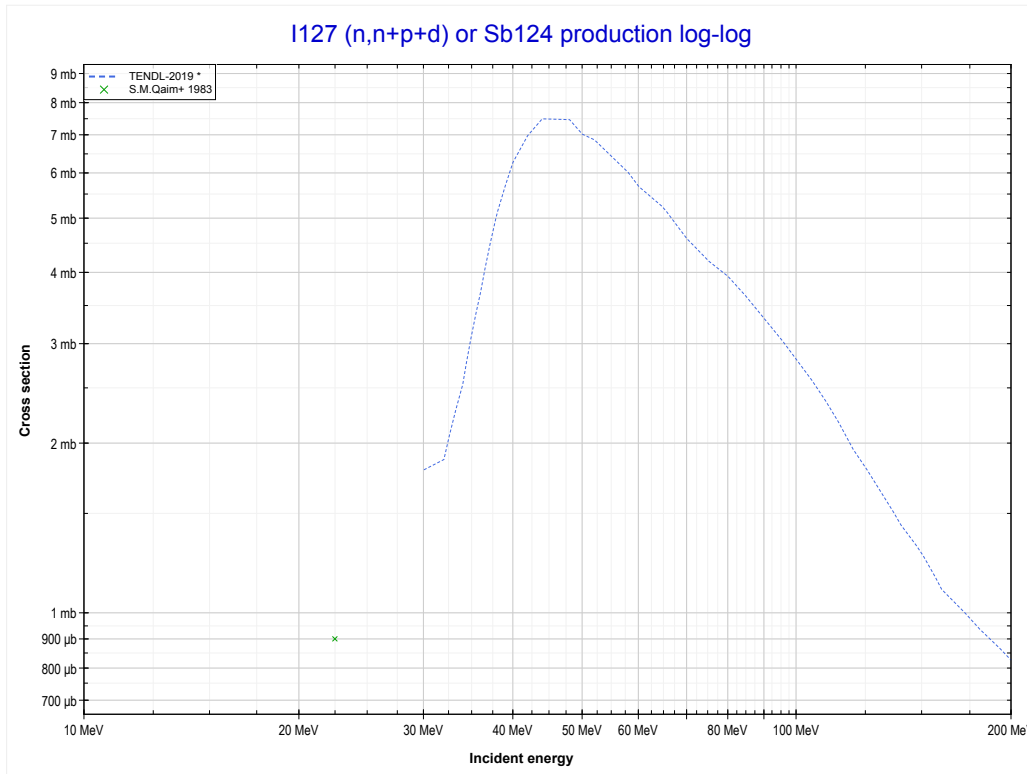
| Reaction | Q-Value |
|----------------|---------------|
| I127(n,5n)I123 | -33325.27 keV |

| | | |
|-----------------|--|--------------------|
| | 53-I-127 | 79-Au-197 >> |
| << MT152 (n,5n) | MT161 (n,8n) or MT5 (I120 production) | MT183 (n,n+p+d) >> |



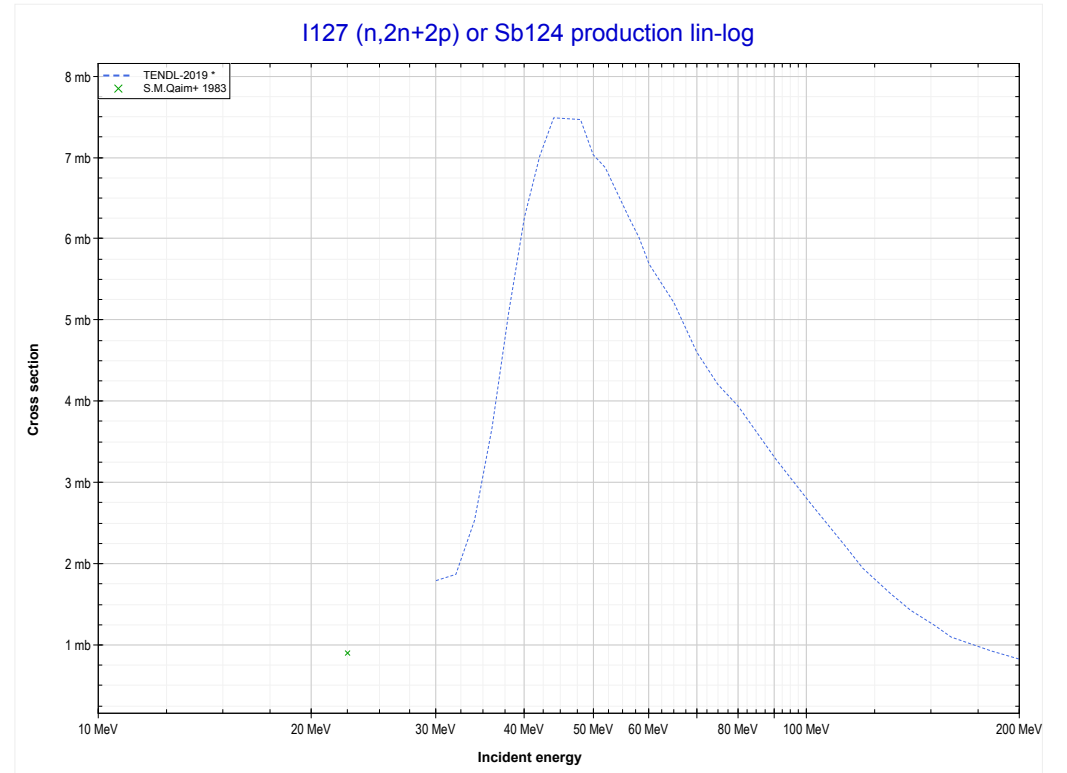
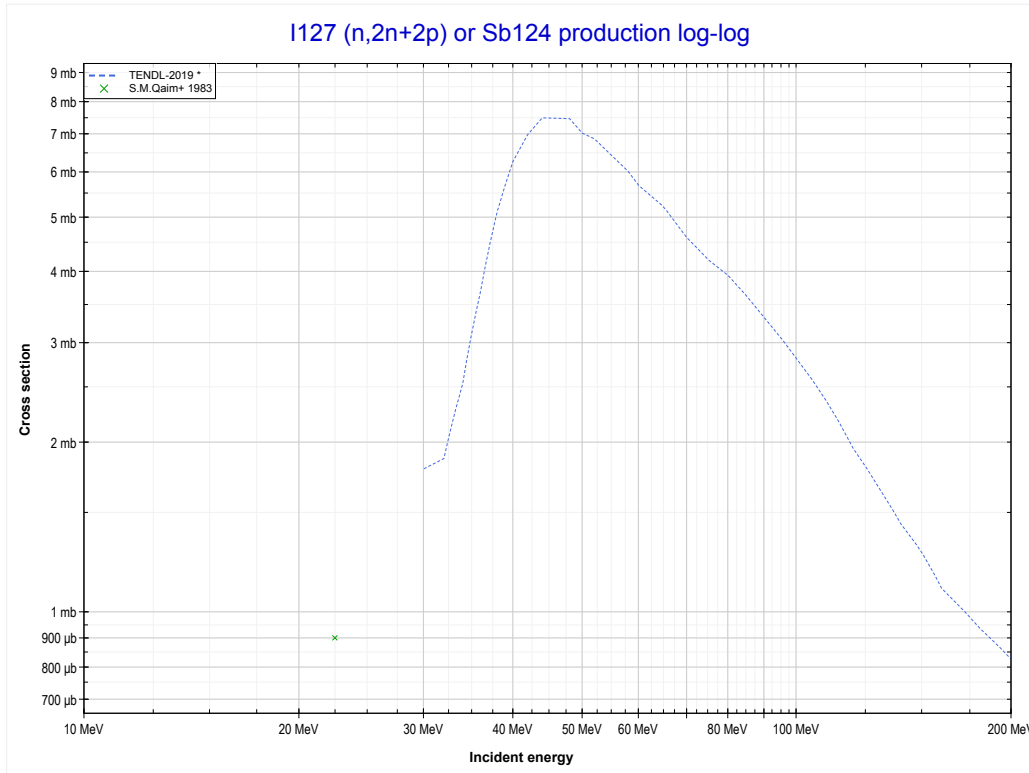
| Reaction | Q-Value |
|----------------|---------------|
| I127(n,8n)I120 | -61730.22 keV |

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|-----------------|--|--------------------|
| << 27-Co-59 | 53-I-127 | 57-La-139 >> |
| << MT161 (n,8n) | MT183 (n,n+p+d) or MT5 (Sb124 production) | MT190 (n,2n+2p) >> |



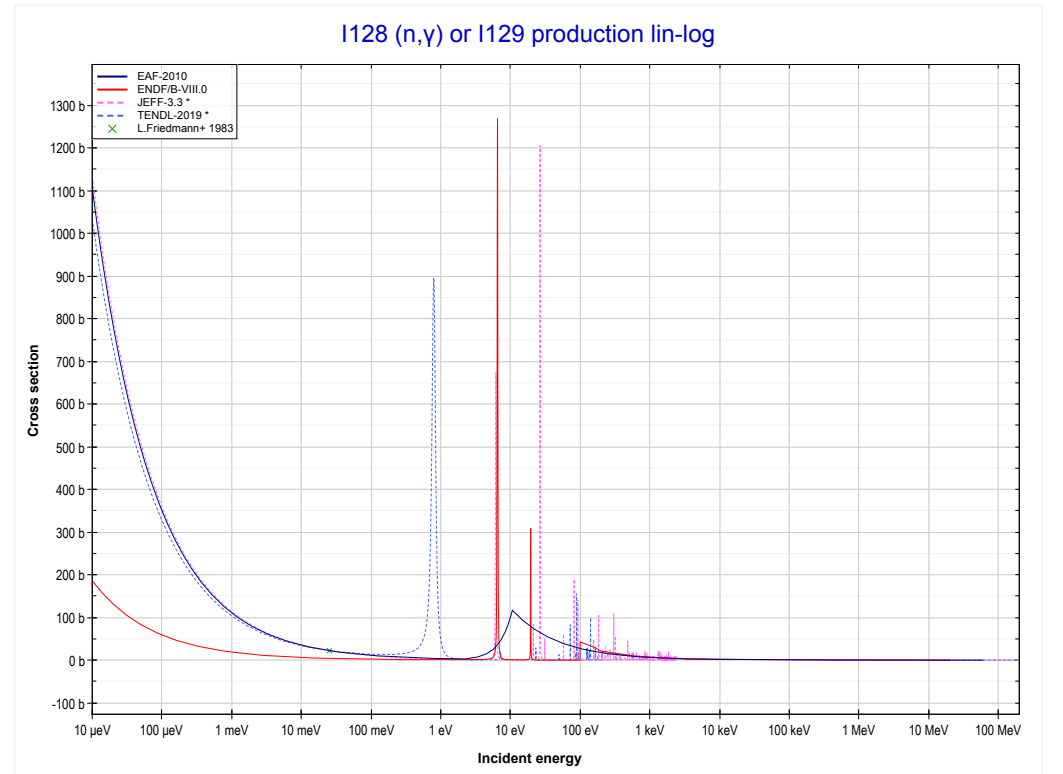
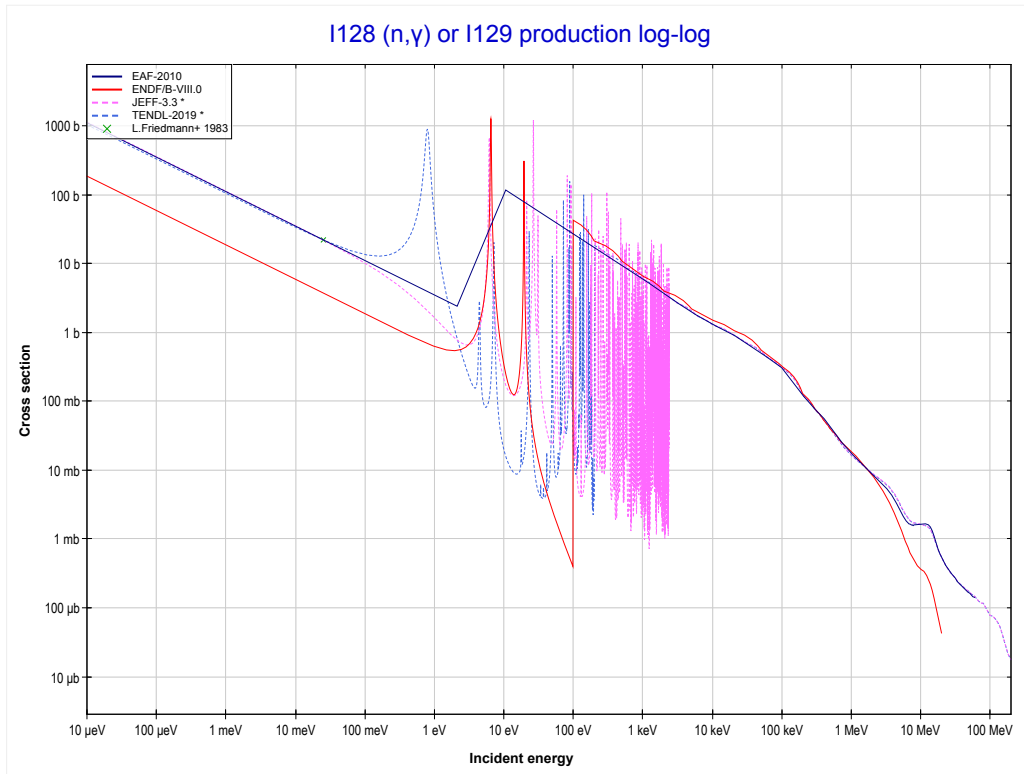
| Reaction | Q-Value |
|--------------------|---------------|
| I127(n,α)Sb124 | 4282.60 keV |
| I127(n,p+t)Sb124 | -15531.26 keV |
| I127(n,n+He3)Sb124 | -16295.02 keV |
| I127(n,2d)Sb124 | -19563.93 keV |
| I127(n,n+p+d)Sb124 | -21788.49 keV |
| I127(n,2n+2p)Sb124 | -24013.06 keV |

| | | |
|--------------------|--|----------------------------------|
| << 27-Co-59 | 53-I-127 | 57-La-139 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Sb124 production) | 53-I-128 MT102 (n, γ) >> |



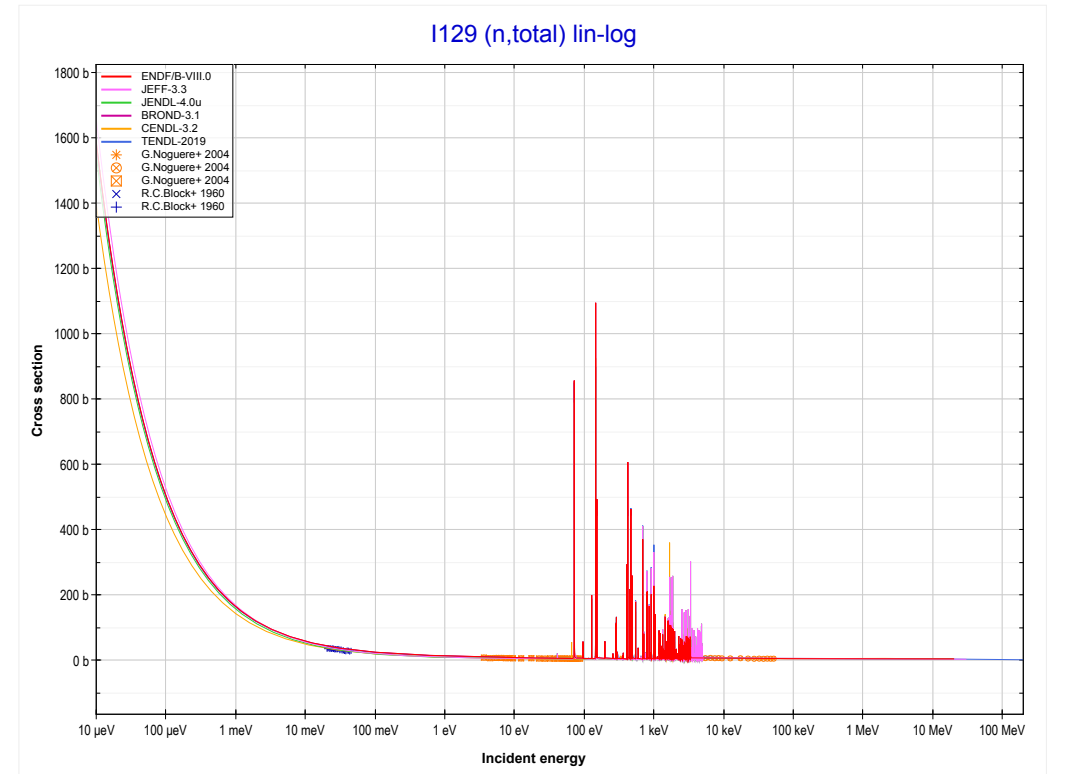
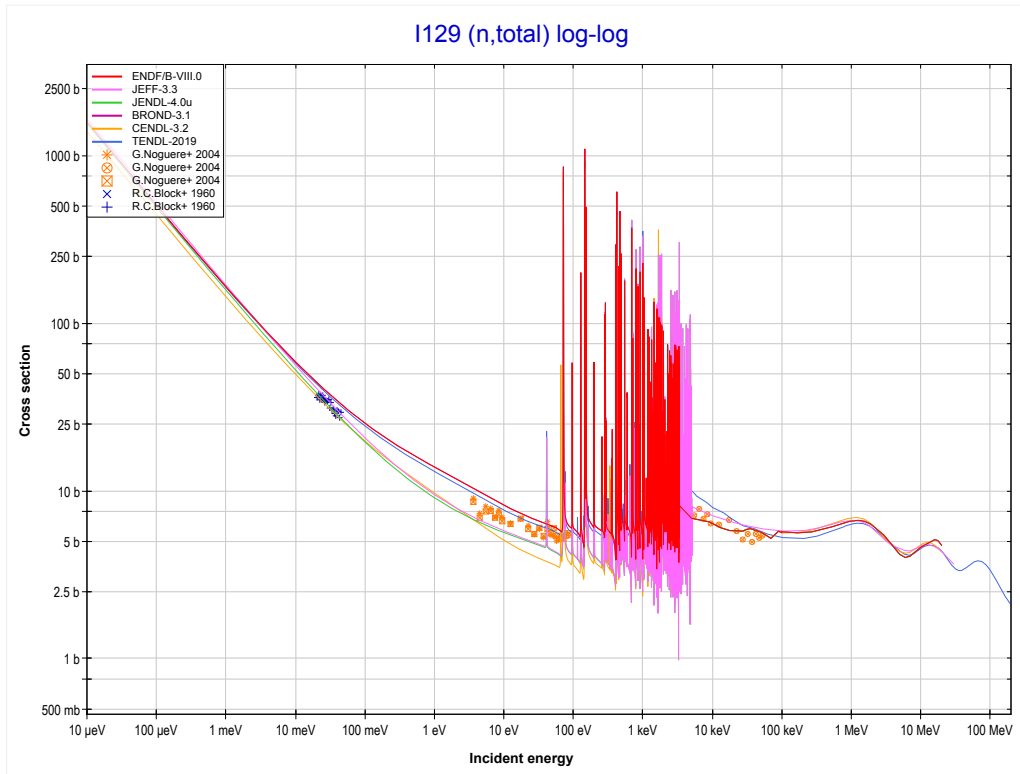
| Reaction | Q-Value |
|-------------------------|---------------|
| I127(n, α)Sb124 | 4282.60 keV |
| I127(n,p+t)Sb124 | -15531.26 keV |
| I127(n,n+He3)Sb124 | -16295.02 keV |
| I127(n,2d)Sb124 | -19563.93 keV |
| I127(n,n+p+d)Sb124 | -21788.49 keV |
| I127(n,2n+2p)Sb124 | -24013.06 keV |

| | | |
|-----------------------------|---|---------------------------|
| << 53-I-127 | 53-I-128 | 53-I-129 >> |
| << 53-I-127 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (I129 production) | 53-I-129 MT1 (n,total) >> |



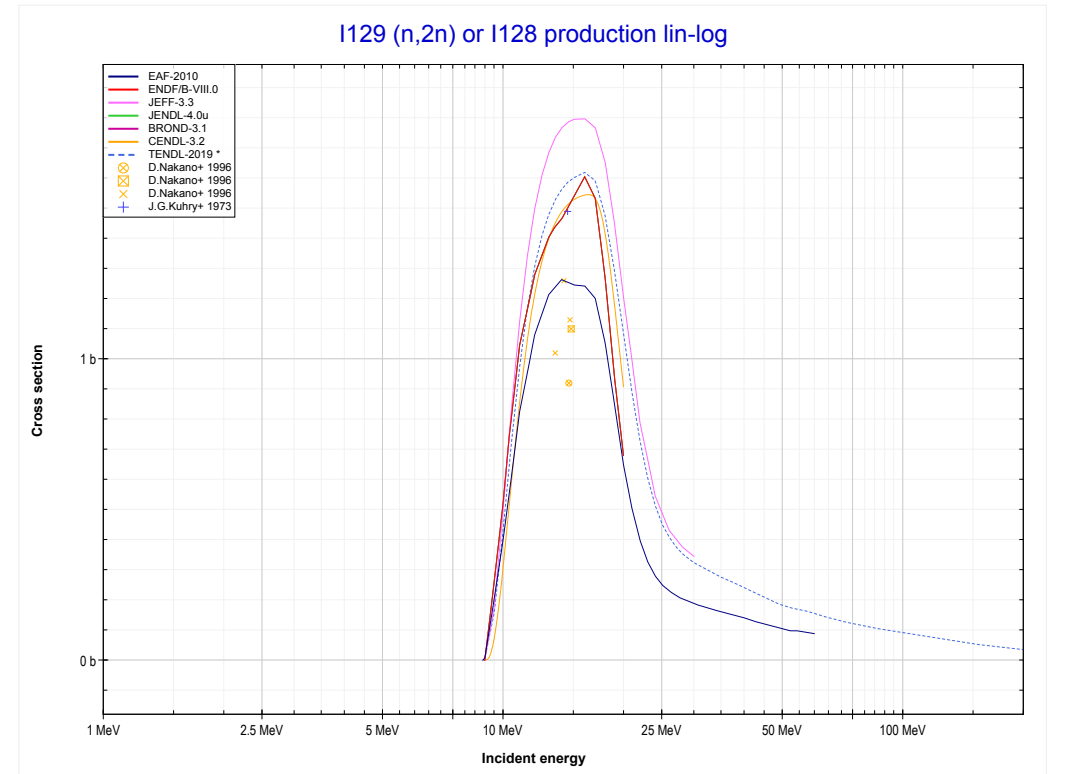
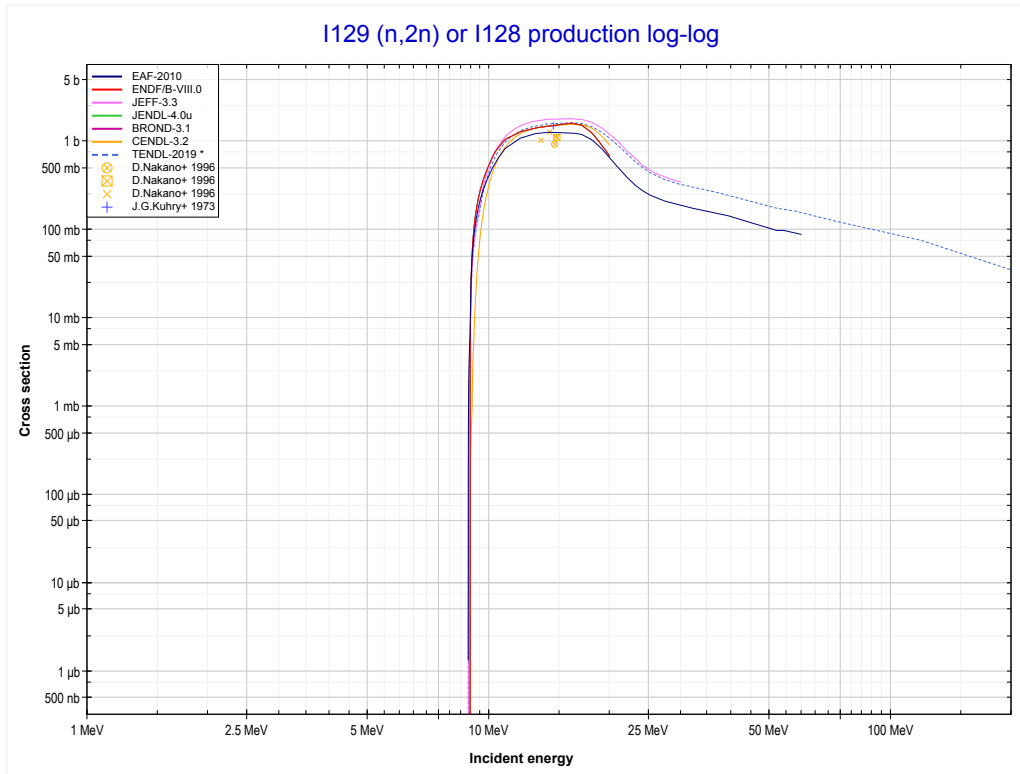
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 22 b | 21.9835 b | 21.984 b | 1.00004 | 230.751 b | 0.0297391 b | 0.00147204 b |
| ENDF/B-VIII.0 | 3.69152 b | 3.69152 b | 3.6926 b | 1.00029 | 106.567 b | 0.0315239 b | 2.12299E-4 b |
| JEFF-3.3 | 21.927 b | 21.927 b | 21.659 b | 0.98779 | 57.4014 b | 0.0304356 b | 0.00134985 b |
| TENDL-2019 | 21.9148 b | 21.9148 b | 22.772 b | 1.03912 | 209.437 b | 0.0301952 b | 0.00134901 b |

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|----------------------------------|----------------------|----------------|
| << 53-I-127 | 53-I-129 | 54-Xe-135 >> |
| << 53-I-128 MT102 (n, γ) | MT1 (n,total) | MT16 (n,2n) >> |



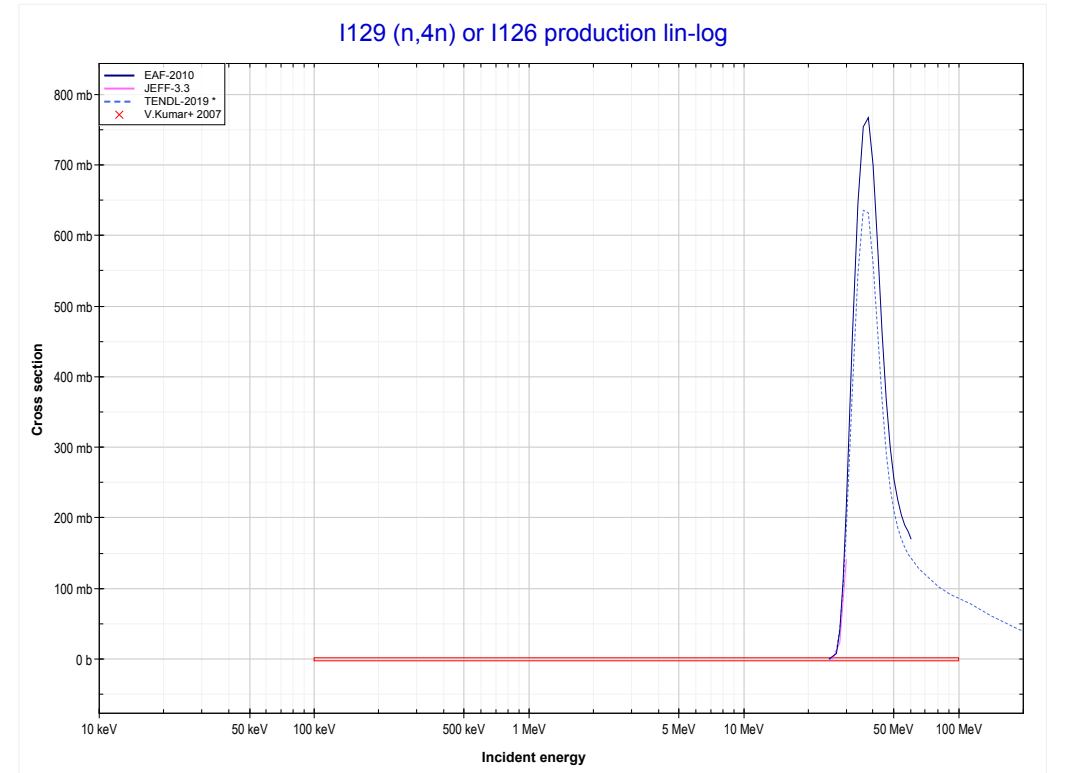
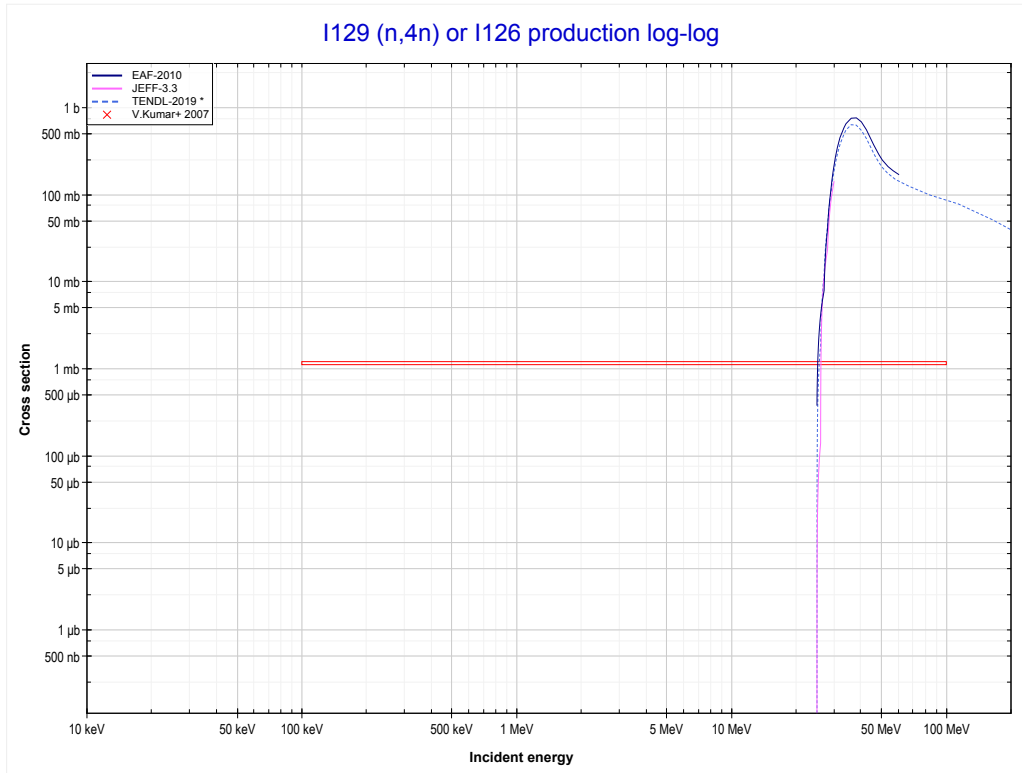
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 40.6742 b | 40.6742 b | 41.922 b | 1.03069 | 122.533 b | 5.8723 b | 4.97604 b |
| JEFF-3.3 | 36.9212 b | 36.9212 b | 37.493 b | 1.01549 | 102.275 b | 5.86724 b | 4.74146 b |
| JENDL-4.0u | 34.6525 b | 34.6525 b | 35.217 b | 1.0163 | 99.3831 b | 5.87261 b | 4.97604 b |
| BROND-3.1 | 40.6742 b | 40.6742 b | 41.922 b | 1.03069 | 122.533 b | 5.8723 b | 4.97604 b |
| CENDL-3.2 | 33.4952 b | 33.4952 b | 34.254 b | 1.02264 | 94.8645 b | 5.99237 b | 4.8903 b |
| TENDL-2019 | 39.6393 b | 39.6393 b | 40.766 b | 1.02841 | 121.852 b | 5.67748 b | 4.74948 b |

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|------------------|---|----------------|
| << 53-I-127 | 53-I-129 | 54-Xe-124 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (I128 production) | MT37 (n,4n) >> |



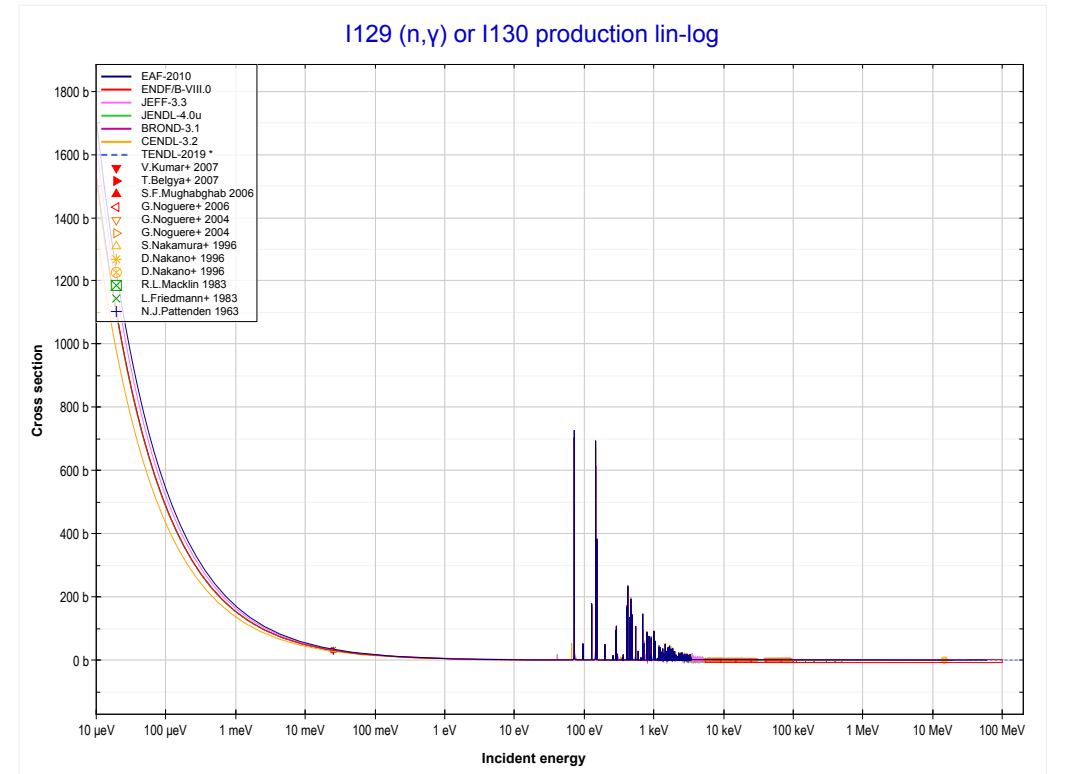
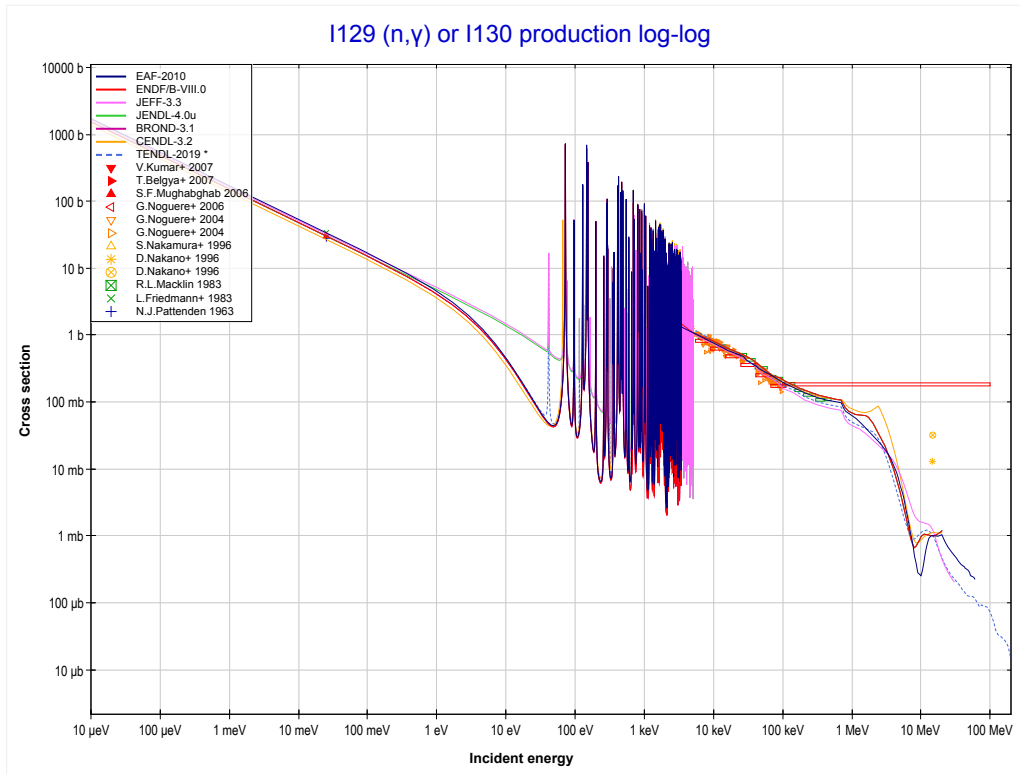
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198992 b | 1.26353 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247981 b | 1.46419 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.002617 b | 1.76675 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247981 b | 1.46419 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00247981 b | 1.46419 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00191083 b | 1.4885 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00228608 b | 1.56279 b |

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|----------------|---|-------------------------|
| << 53-I-127 | 53-I-129 | 63-Eu-151 >> |
| << MT16 (n,2n) | MT37 (n,4n) or MT5 (I126 production) | MT102 (n, γ) >> |



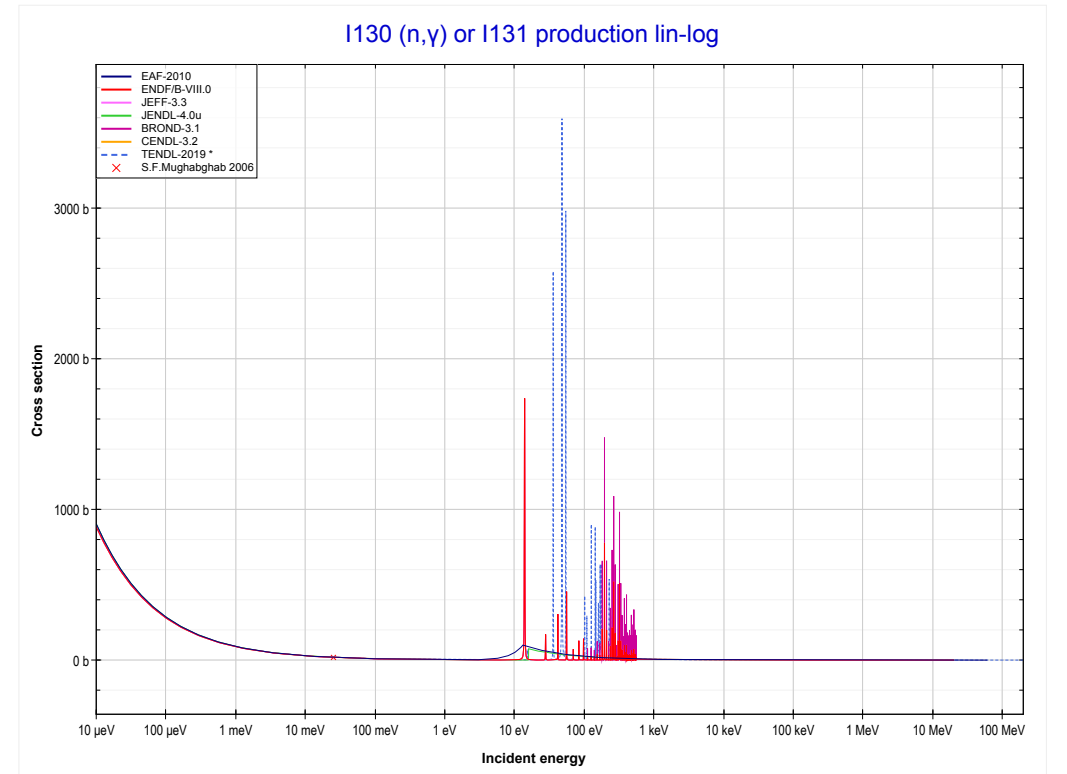
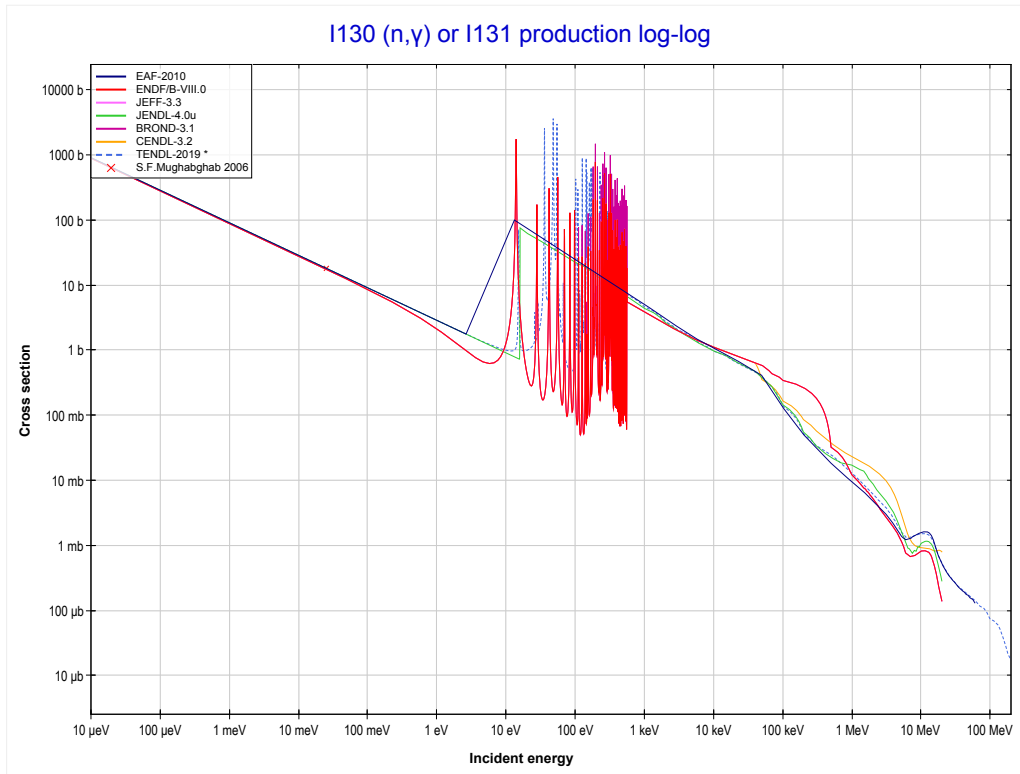
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|---|----------------------------------|
| << 53-I-128 | 53-I-129 | 53-I-130 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (I130 production) | 53-I-130 MT102 (n, γ) >> |



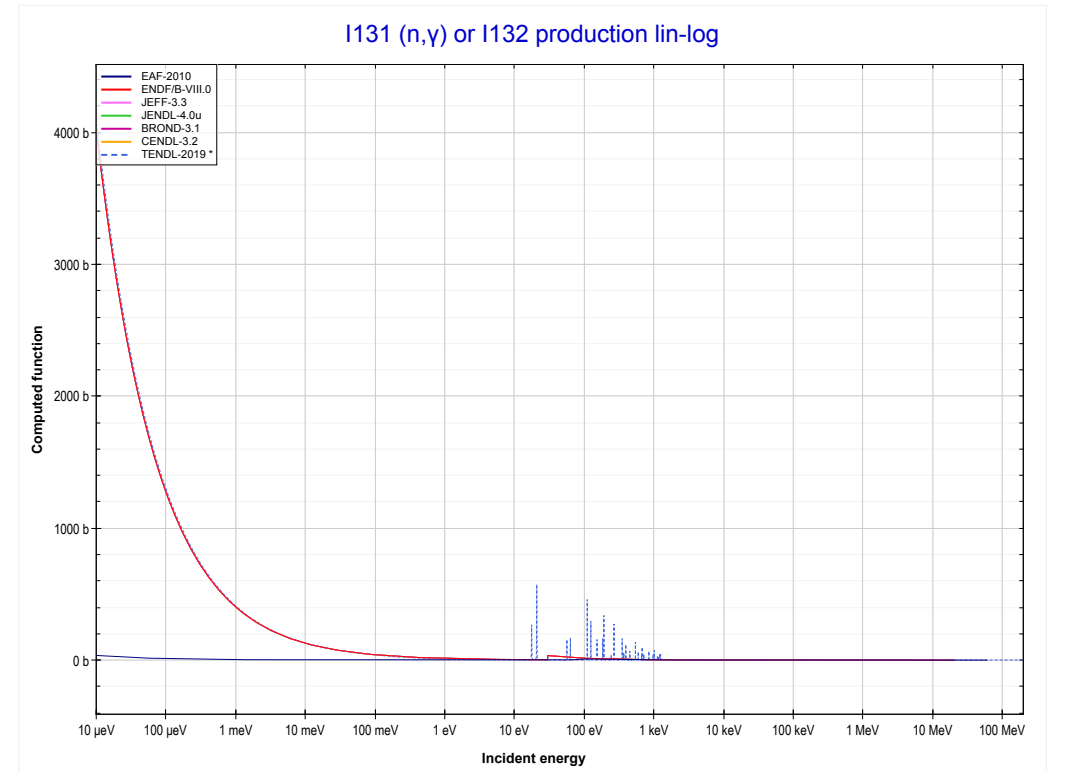
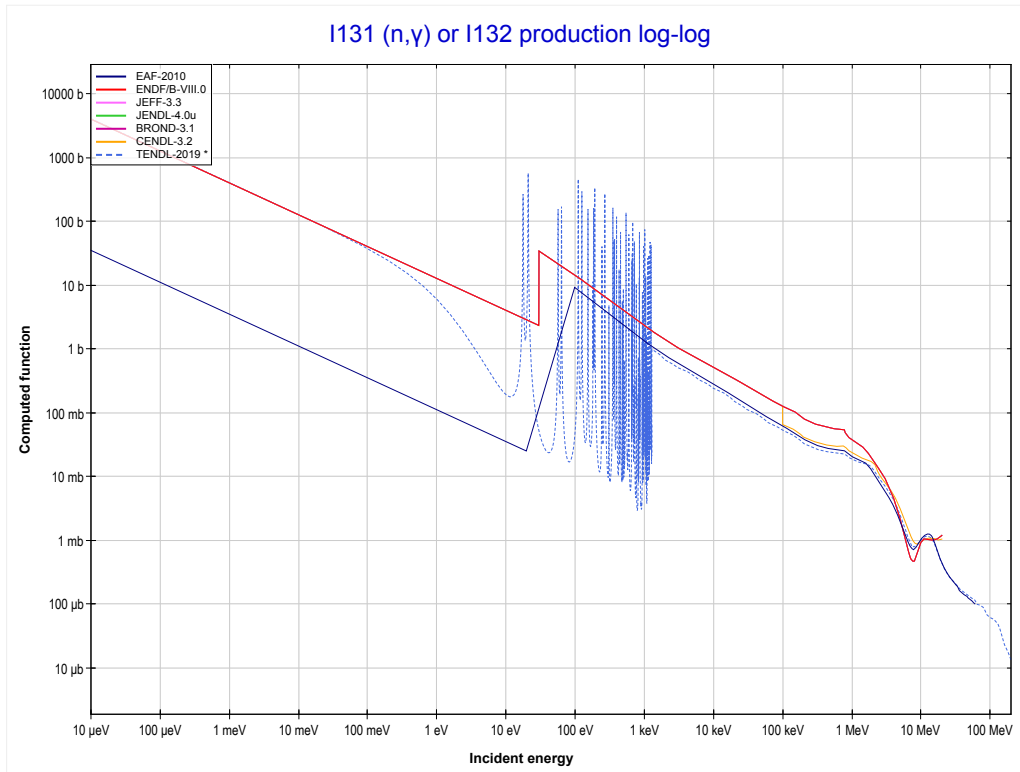
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 33.9255 b | 33.8999 b | 33.813 b | 0.99742 | 30.2822 b | 0.0549664 b | 0.00101067 b |
| ENDF/B-VIII.0 | 30.4082 b | 30.4082 b | 30.353 b | 0.99818 | 28.4393 b | 0.064182 b | 0.00100129 b |
| JEFF-3.3 | 32.5322 b | 32.5322 b | 32.541 b | 1.00027 | 33.5683 b | 0.0446497 b | 0.00135803 b |
| JENDL-4.0u | 30.3164 b | 30.3164 b | 30.325 b | 1.00028 | 32.8976 b | 0.0641974 b | 0.00100129 b |
| BROND-3.1 | 30.4082 b | 30.4082 b | 30.353 b | 0.99818 | 28.4393 b | 0.064182 b | 0.00100129 b |
| CENDL-3.2 | 26.9995 b | 26.9995 b | 26.934 b | 0.99759 | 28.9804 b | 0.0775607 b | 0.0011083 b |
| TENDL-2019 | 30.2831 b | 30.2831 b | 30.219 b | 0.9979 | 29.4103 b | 0.049347 b | 0.00110686 b |

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|----------------------------------|---|----------------------------------|
| << 53-I-129 | 53-I-130 | 53-I-131 >> |
| << 53-I-129 MT102 (n, γ) | MT102 (n,γ) or MT5 (I131 production) | 53-I-131 MT102 (n, γ) >> |



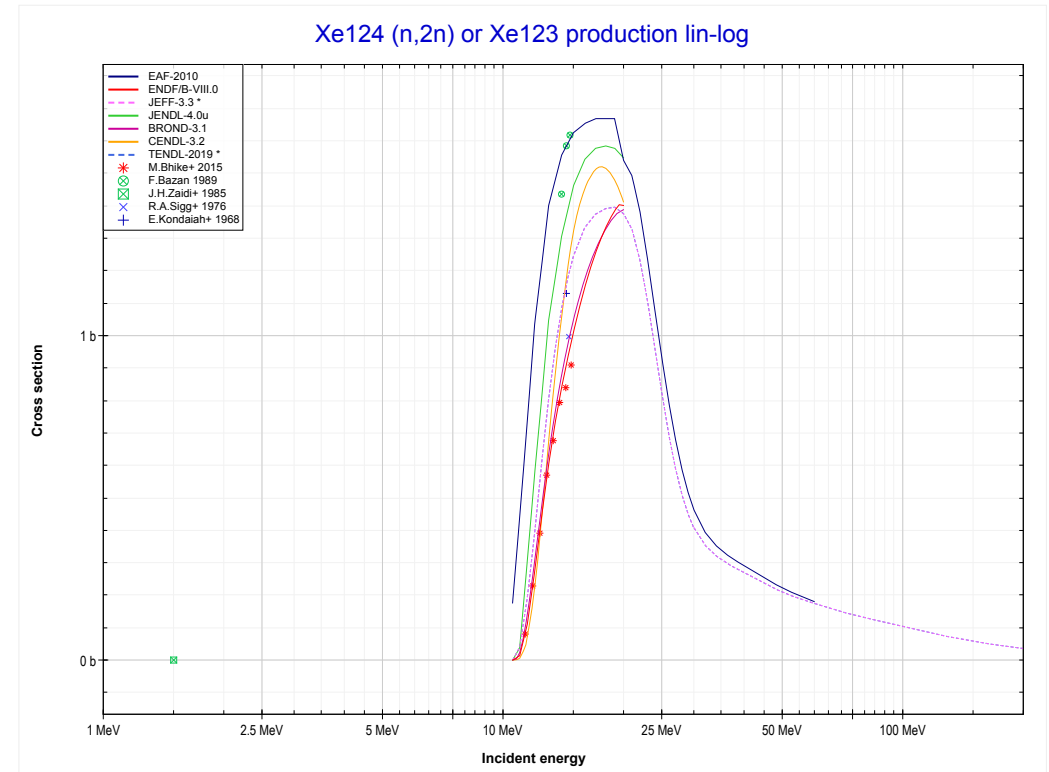
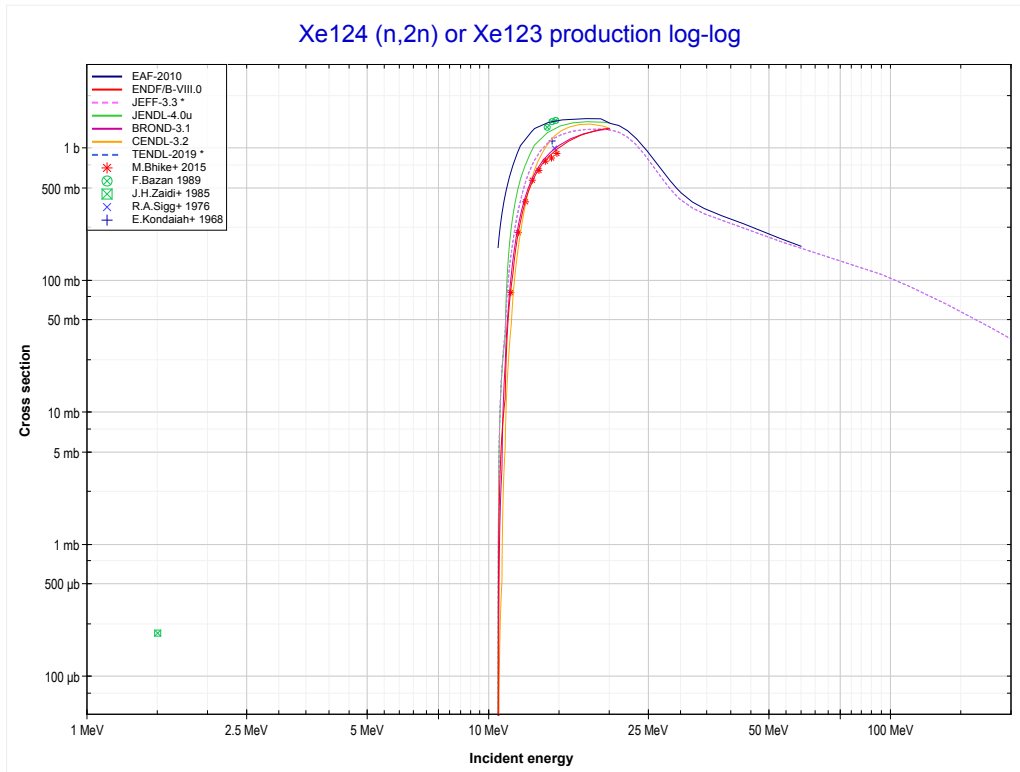
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18 b | 17.9865 b | 17.987 b | 1.00004 | 187.991 b | 0.0157817 b | 0.0014509 b |
| ENDF/B-VIII.0 | 17.4529 b | 17.4529 b | 17.391 b | 0.99643 | 88.3241 b | 0.037034 b | 6.96578E-4 b |
| JEFF-3.3 | 17.4529 b | 17.4529 b | 17.391 b | 0.99643 | 88.3241 b | 0.037034 b | 6.96578E-4 b |
| JENDL-4.0u | 18.0052 b | 18.0052 b | 18.012 b | 1.0004 | 118.593 b | 0.020197 b | 0.001065 b |
| BROND-3.1 | 17.4529 b | 17.4529 b | 17.391 b | 0.99643 | 88.3423 b | 0.037034 b | 6.96578E-4 b |
| CENDL-3.2 | 17.4499 b | 17.4499 b | 17.381 b | 0.99604 | 88.1807 b | 0.0287199 b | 8.6206E-4 b |
| TENDL-2019 | 17.9165 b | 17.9165 b | 17.917 b | 1.00003 | 208.377 b | 0.018372 b | 0.00130814 b |

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|----------------------------------|---|--------------------------|
| << 53-I-130 | 53-I-131 | 54-Xe-124 >> |
| << 53-I-130 MT102 (n, γ) | MT102 (n,γ) or MT5 (I132 production) | 54-Xe-124 MT16 (n,2n) >> |



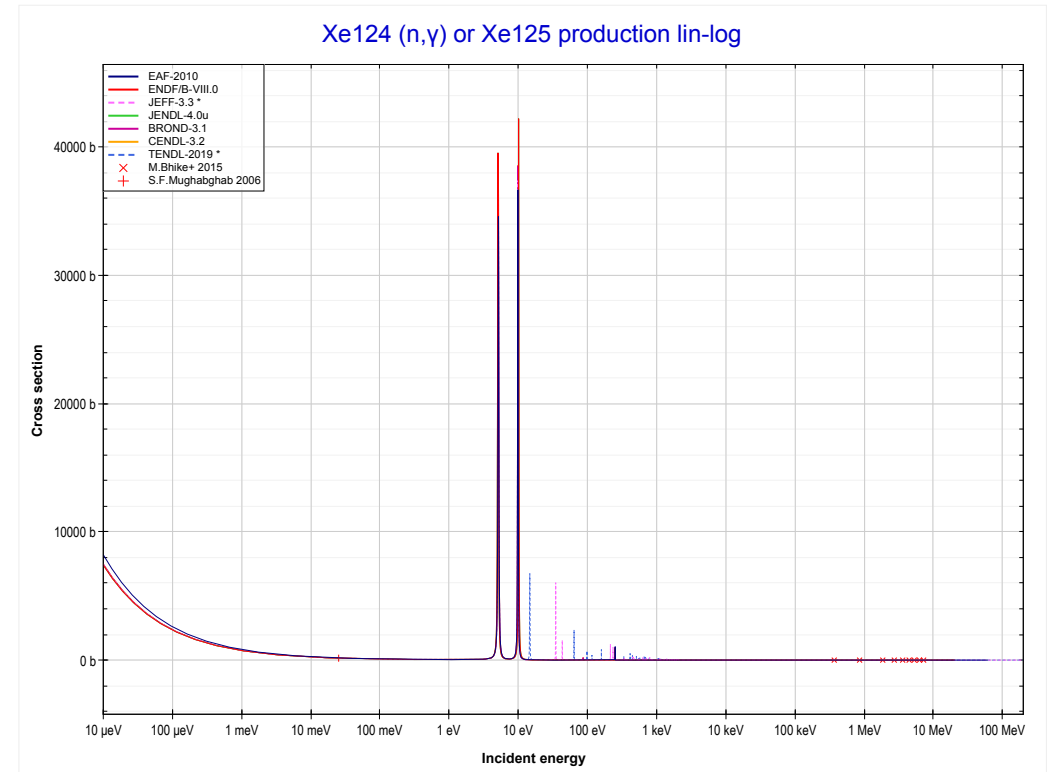
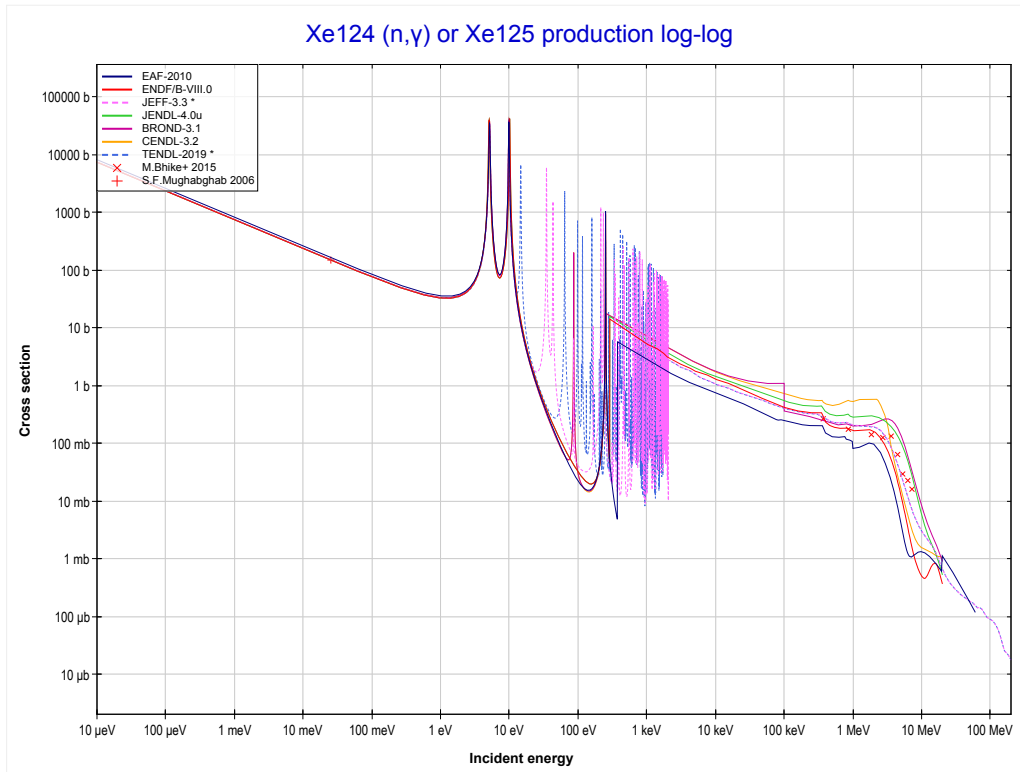
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.7 b | 0.699475 b | 0.6995 b | 1.00004 | 14.0751 b | 0.0171212 b | 0.00119579 b |
| ENDF/B-VIII.0 | 80.023 b | 80.023 b | 80.055 b | 1.0004 | 77.7029 b | 0.0321935 b | 0.00100071 b |
| JEFF-3.3 | 80.023 b | 80.023 b | 80.055 b | 1.0004 | 77.7029 b | 0.0321832 b | 0.00100071 b |
| JENDL-4.0u | 80.023 b | 80.023 b | 80.055 b | 1.0004 | 77.7029 b | 0.0321832 b | 0.00100071 b |
| BROND-3.1 | 80.023 b | 80.023 b | 80.055 b | 1.0004 | 77.7029 b | 0.0321935 b | 0.00100071 b |
| CENDL-3.2 | 80.0027 b | 80.0027 b | 80.007 b | 1.00005 | 77.5941 b | 0.021462 b | 0.0010784 b |
| TENDL-2019 | 79.6947 b | 79.6947 b | 78.818 b | 0.989 | 38.9864 b | 0.0161984 b | 0.00108391 b |

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|----------------------------------|--|-------------------------|
| << 53-I-129 | 54-Xe-124 | 54-Xe-126 >> |
| << 53-I-131 MT102 (n, γ) | MT16 (n,2n) or MT5 (Xe123 production) | MT102 (n, γ) >> |



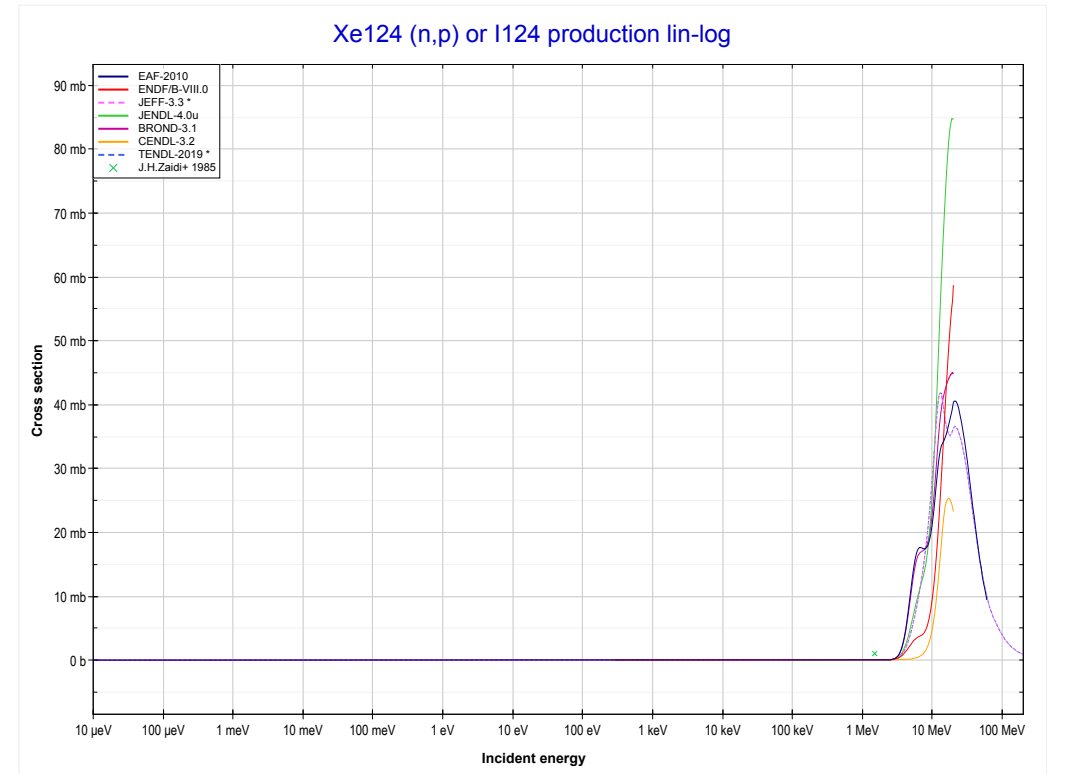
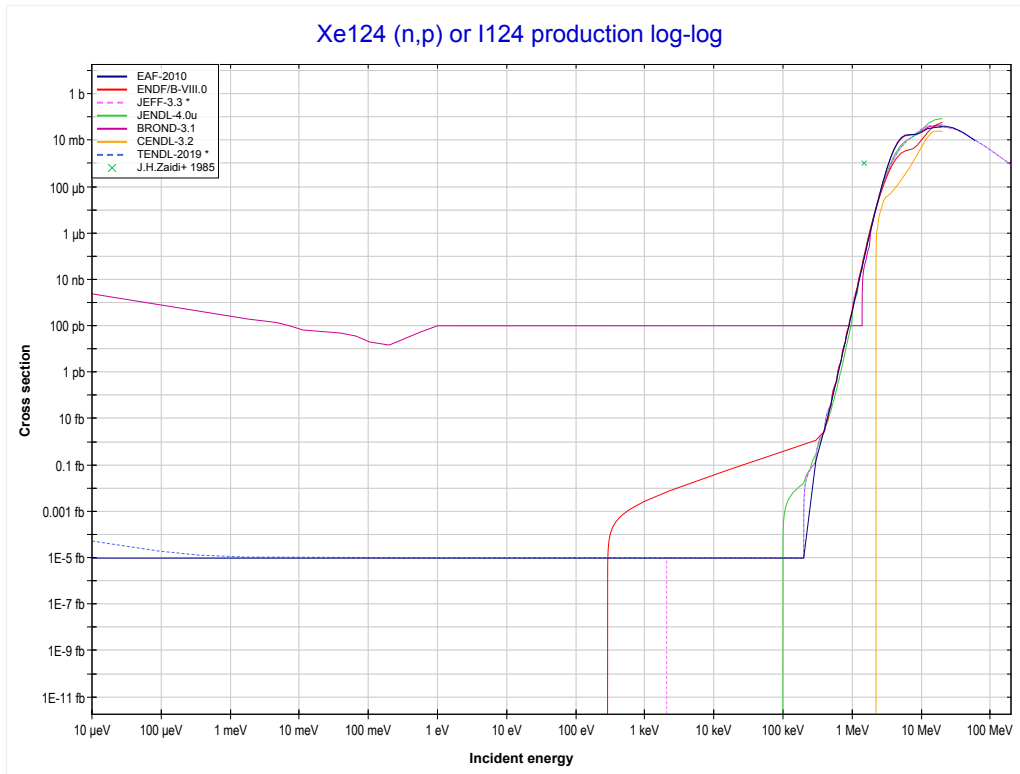
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0010355 b | 1.55568 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.71856E-4 b | 0.839145 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.01804E-4 b | 1.08116 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.50675E-4 b | 1.305 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.98002E-4 b | 0.87677 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.98921E-4 b | 1.05365 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.03024E-4 b | 1.08297 b |

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|----------------|--|----------------|
| << 53-I-131 | 54-Xe-124 | 54-Xe-126 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe125 production) | MT103 (n,p) >> |



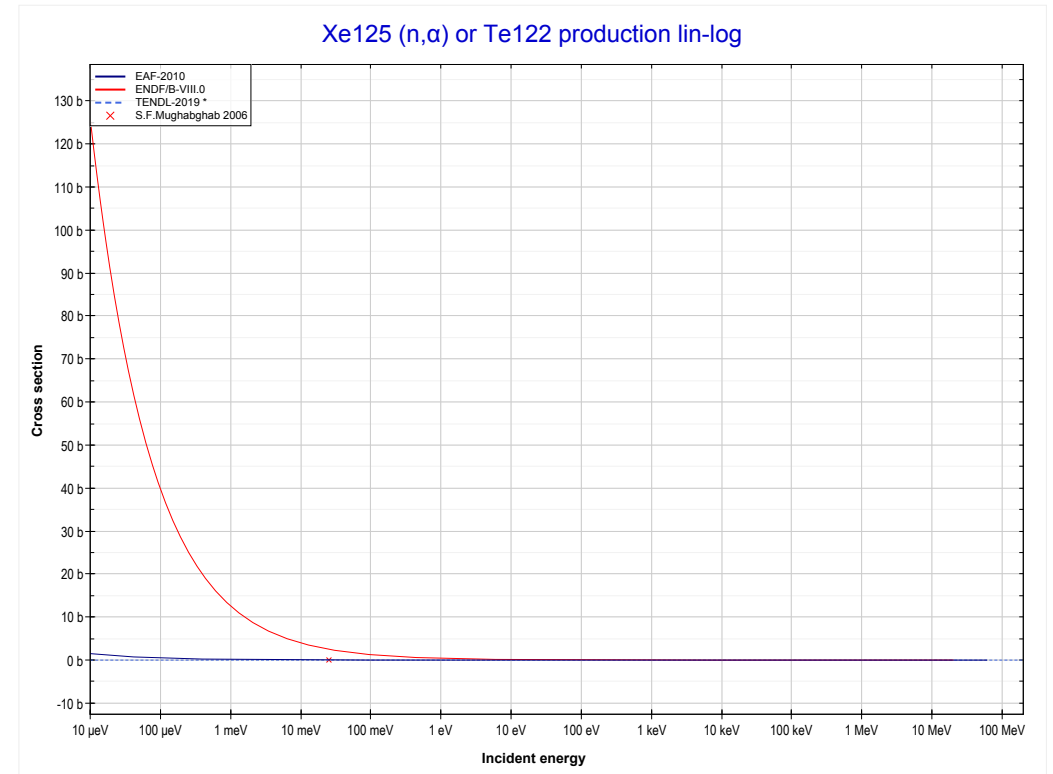
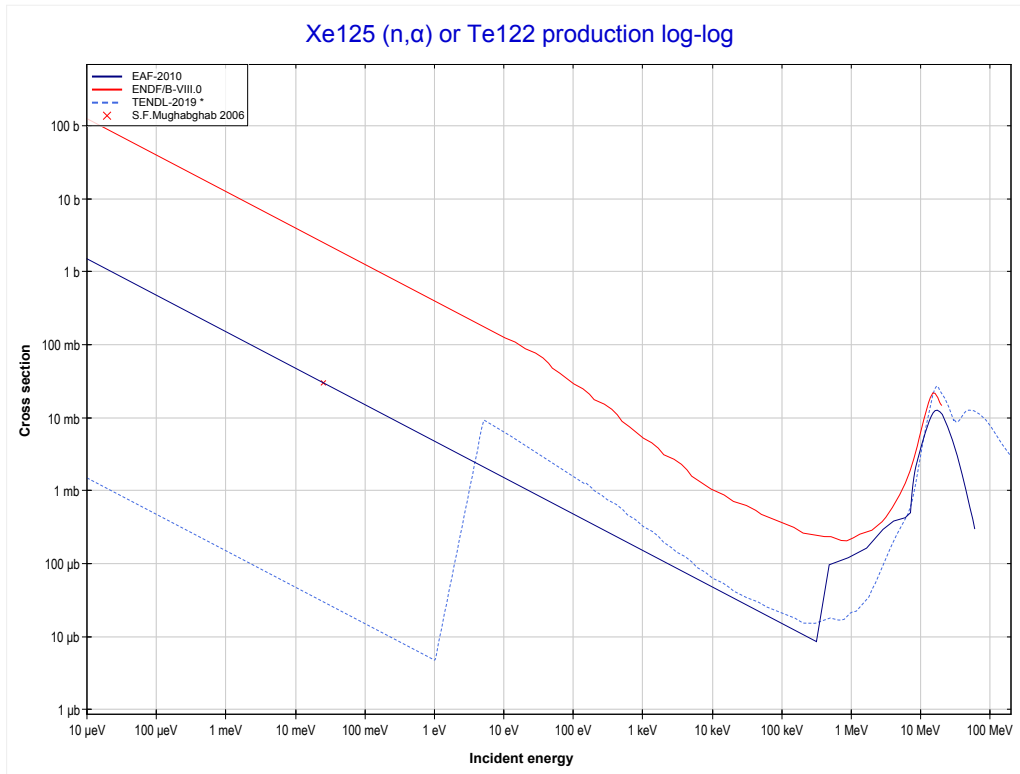
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 164.69 b | 164.568 b | 165.13 b | 1.00342 | 3051.31 b | 0.0924331 b | 0.00101029 b |
| ENDF/B-VIII.0 | 148.387 b | 148.387 b | 149.03 b | 1.00435 | 3265.75 b | 0.158131 b | 7.55143E-4 b |
| JEFF-3.3 | 149.21 b | 149.21 b | 149.83 b | 1.00419 | 3132.11 b | 0.188381 b | 0.00173772 b |
| JENDL-4.0u | 148.387 b | 148.387 b | 149.03 b | 1.00435 | 3268.32 b | 0.281281 b | 0.001804 b |
| BROND-3.1 | 150.187 b | 150.187 b | 150.87 b | 1.00452 | 3190.53 b | 0.232557 b | 0.002675 b |
| CENDL-3.2 | 150.149 b | 150.149 b | 150.77 b | 1.00417 | 3188 b | 0.436939 b | 0.00128365 b |
| TENDL-2019 | 149.208 b | 149.208 b | 149.79 b | 1.00387 | 3144.62 b | 0.186208 b | 0.00172817 b |

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|-------------------------|---|-----------------------------------|
| << 53-I-127 | 54-Xe-124 | 54-Xe-126 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (I124 production) | 54-Xe-125 MT107 (n, α) >> |



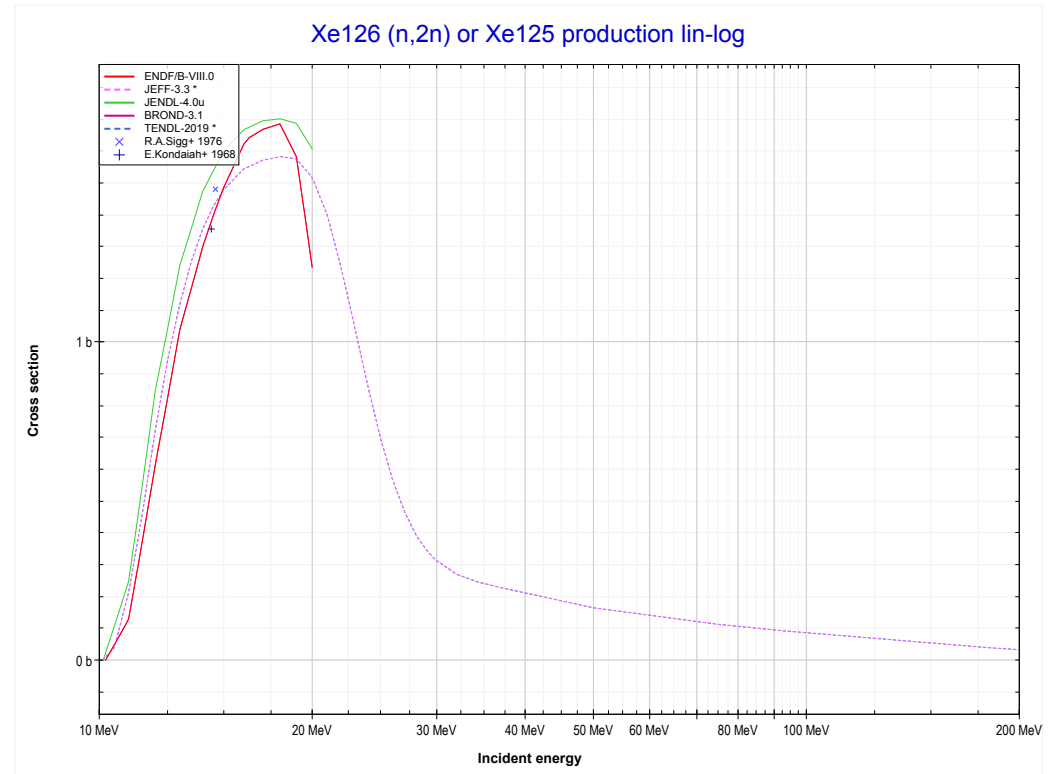
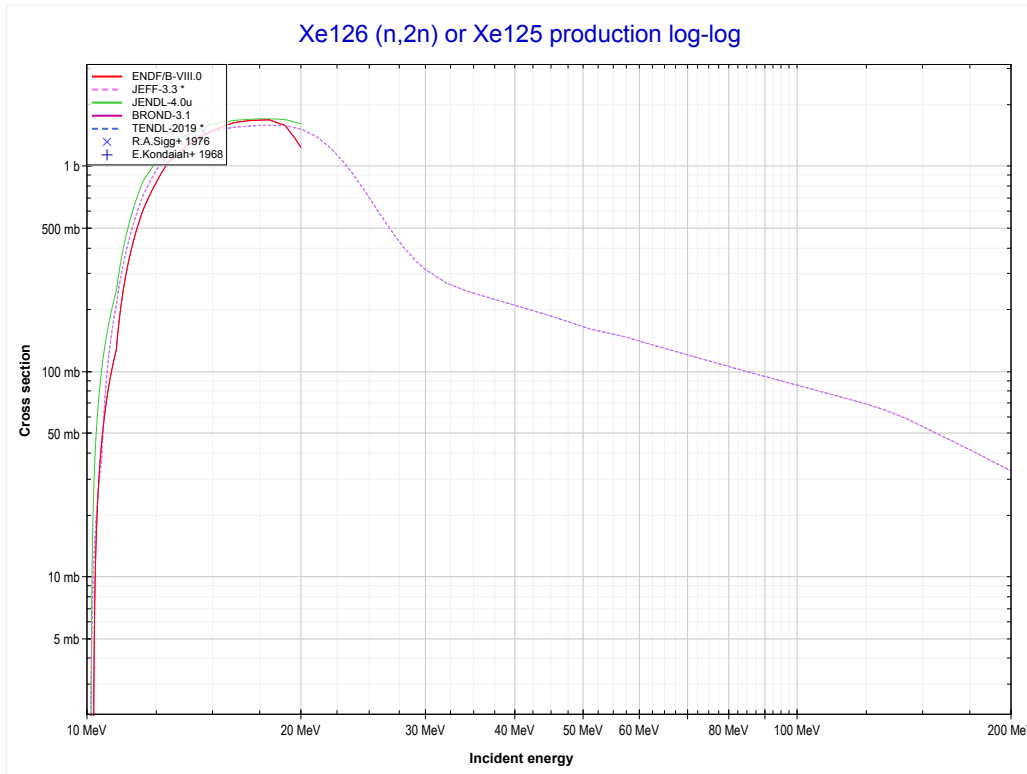
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 9.52073E-21 b | 9.52073E-21 b | 1.0742E-20 b | 0 | 1.16228E-19 b | 0.00153217 b | 0.033976 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.74726E-16 b | 4.02907E-4 b | 0.0318337 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.87533E-20 b | 8.71754E-4 b | 0.0404921 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.49856E-4 b | 0.06382 b |
| BROND-3.1 | 5.5234E-11 b | 5.5234E-11 b | 5.3824E-11 b | 0.97447 | 1.19987E-9 b | 0.00146111 b | 0.04048 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.91629E-5 b | 0.0203741 b |
| TENDL-2019 | 1.0041E-20 b | 1.0041E-20 b | 1.133E-20 b | 1.1284 | 1.22084E-19 b | 8.71693E-4 b | 0.040454 b |

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|--------------------------|--|--------------------------|
| << 53-I-127 | 54-Xe-125 | 54-Xe-127 >> |
| << 54-Xe-124 MT103 (n,p) | MT107 (n,α) or MT5 (Te122 production) | 54-Xe-126 MT16 (n,2n) >> |



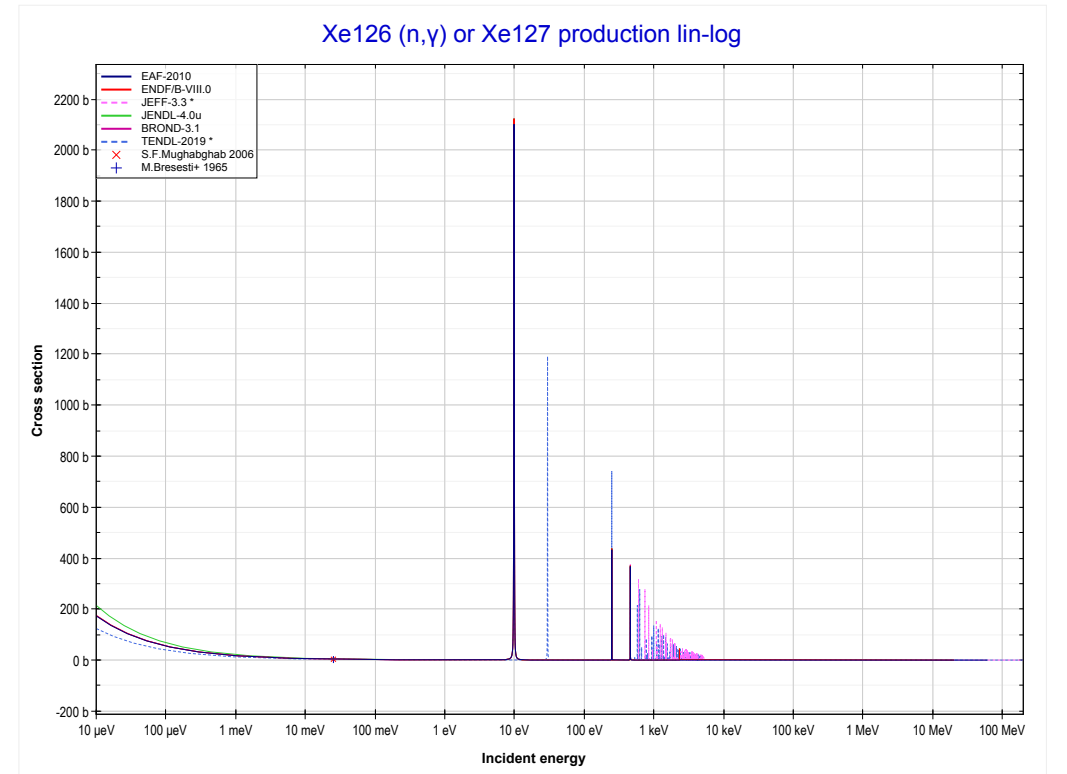
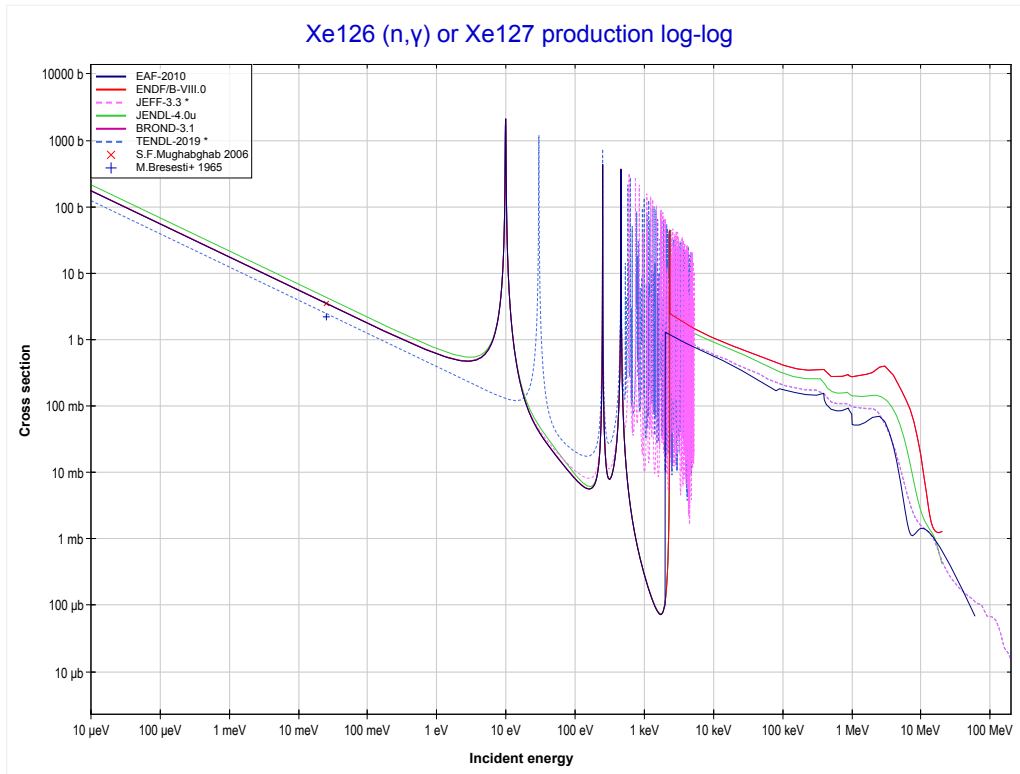
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.03 b | 0.0299775 b | 0.029978 b | 1.00001 | 0.0134686 b | 2.20307E-4 b | 0.0101213 b |
| ENDF/B-VIII.0 | 2.50269 b | 2.50269 b | 2.5036 b | 1.00035 | 1.08462 b | 4.1566E-4 b | 0.0195178 b |
| TENDL-2019 | 2.97733E-5 b | 2.97733E-5 b | 2.9757E-5 b | 0.99946 | 0.0175823 b | 9.91828E-5 b | 0.0152197 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 54-Xe-124 | 54-Xe-126 | 54-Xe-128 >> |
| << 54-Xe-125 MT107 (n, α) | MT16 (n,2n) or MT5 (Xe125 production) | MT102 (n, γ) >> |



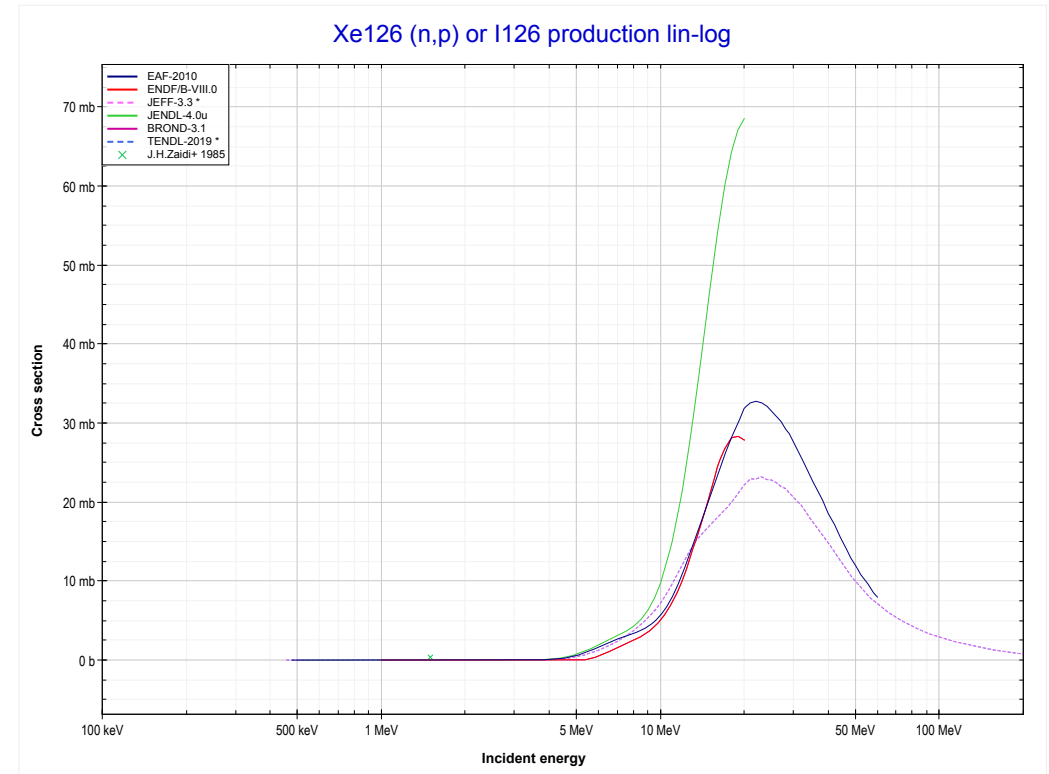
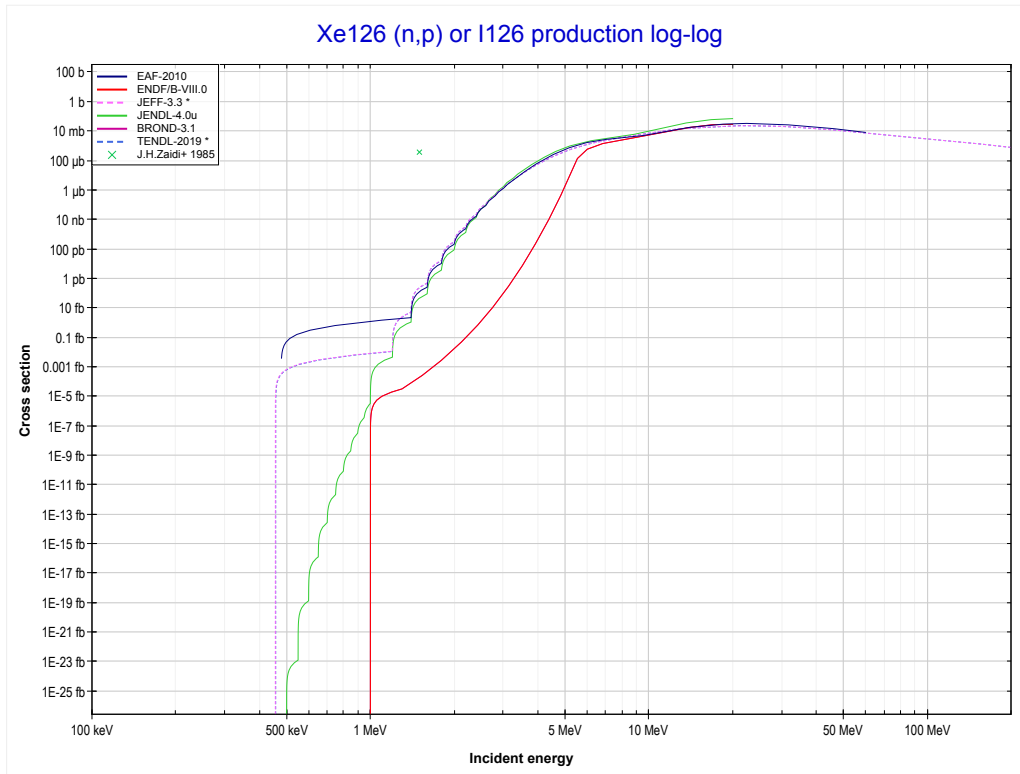
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26787E-4 b | 1.29863 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.21408E-4 b | 1.35376 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.50698E-4 b | 1.473 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.26787E-4 b | 1.29863 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.2215E-4 b | 1.35451 b |

| | | |
|----------------|--|----------------|
| << 54-Xe-124 | 54-Xe-126 | 54-Xe-128 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe127 production) | MT103 (n,p) >> |



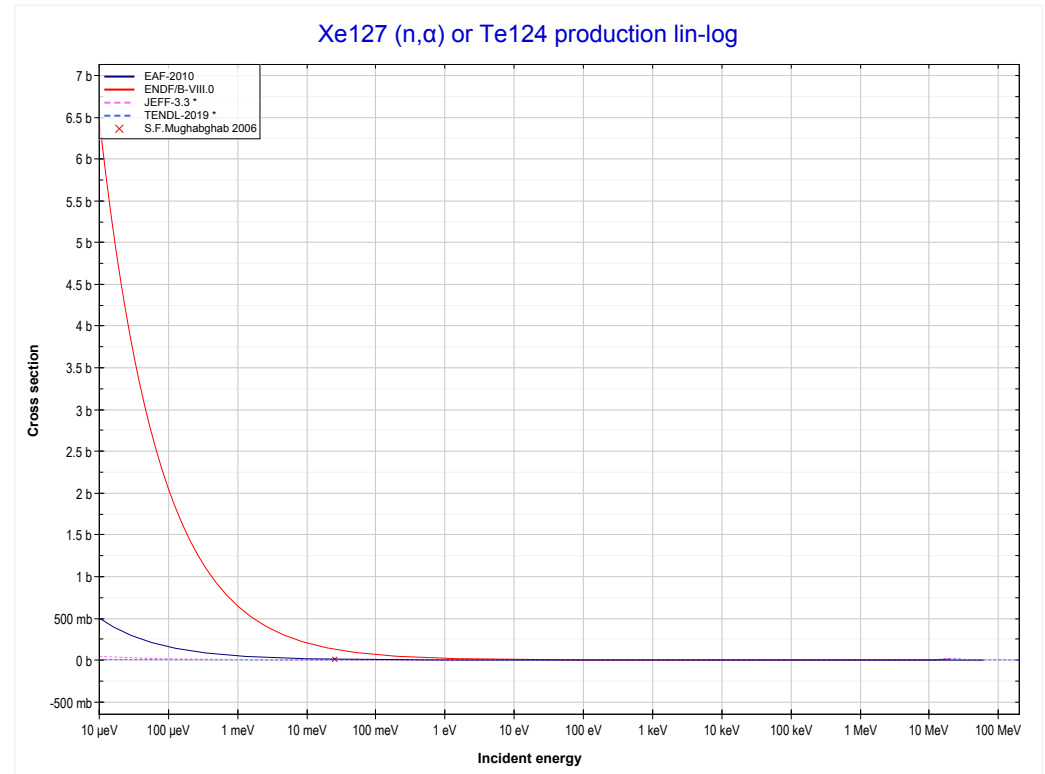
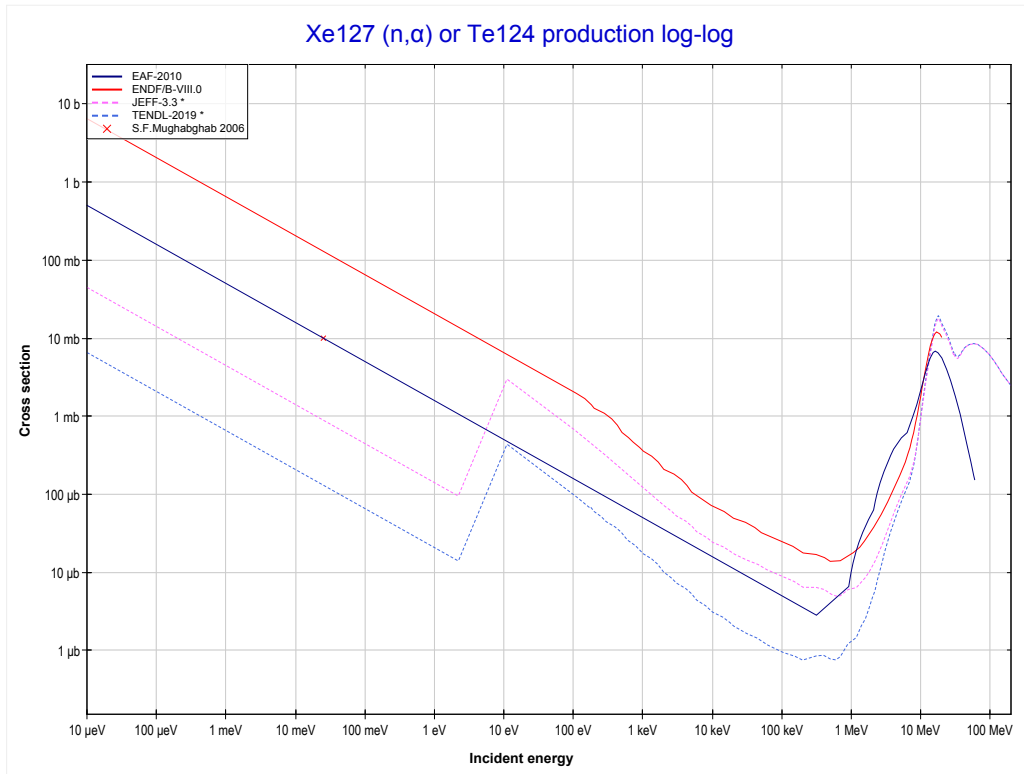
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.45 b | 3.44751 b | 3.4516 b | 1.00122 | 62.7444 b | 0.0690795 b | 0.00116238 b |
| ENDF/B-VIII.0 | 3.48743 b | 3.48743 b | 3.4928 b | 1.00153 | 65.2249 b | 0.306678 b | 0.00179729 b |
| JEFF-3.3 | 3.48549 b | 3.48549 b | 3.4904 b | 1.00142 | 65.9536 b | 0.0901887 b | 0.00114562 b |
| JENDL-4.0u | 4.27268 b | 4.27268 b | 4.278 b | 1.00123 | 64.8528 b | 0.146135 b | 0.001302 b |
| BROND-3.1 | 3.48743 b | 3.48743 b | 3.4928 b | 1.00153 | 65.2249 b | 0.306678 b | 0.00179729 b |
| TENDL-2019 | 2.46129 b | 2.46129 b | 2.4613 b | 1.00001 | 29.1433 b | 0.0889854 b | 0.00114181 b |

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| << 54-Xe-124 | 54-Xe-126 | 54-Xe-128 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (I126 production) | 54-Xe-127 MT107 (n, α) >> |



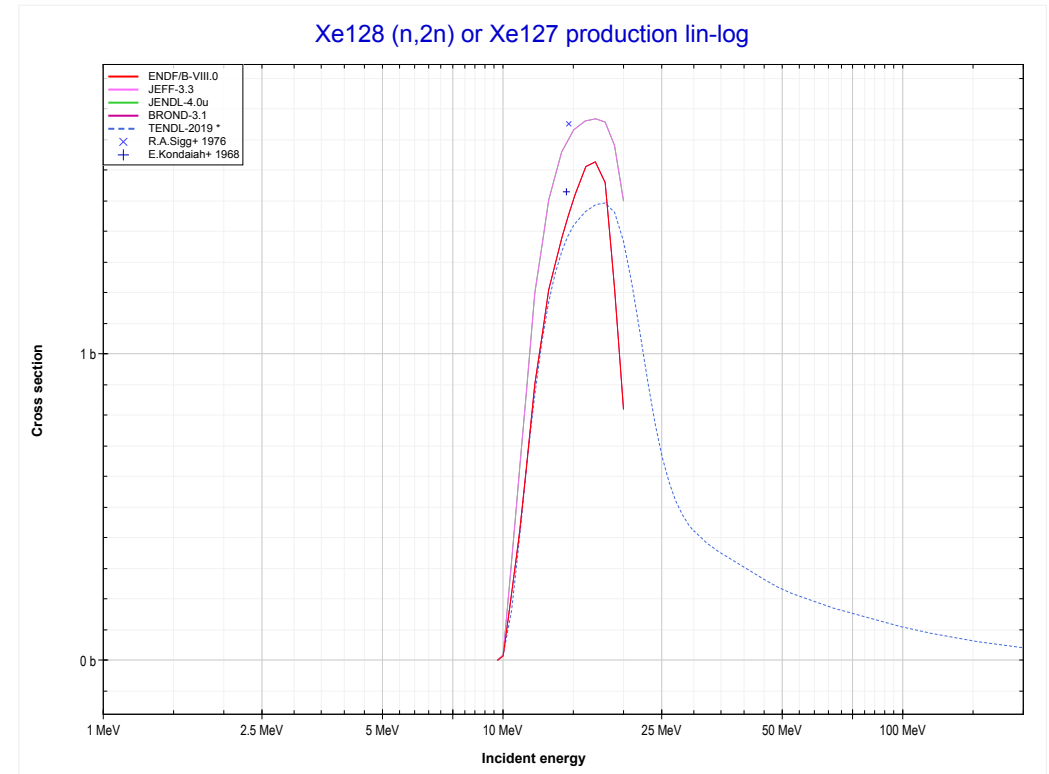
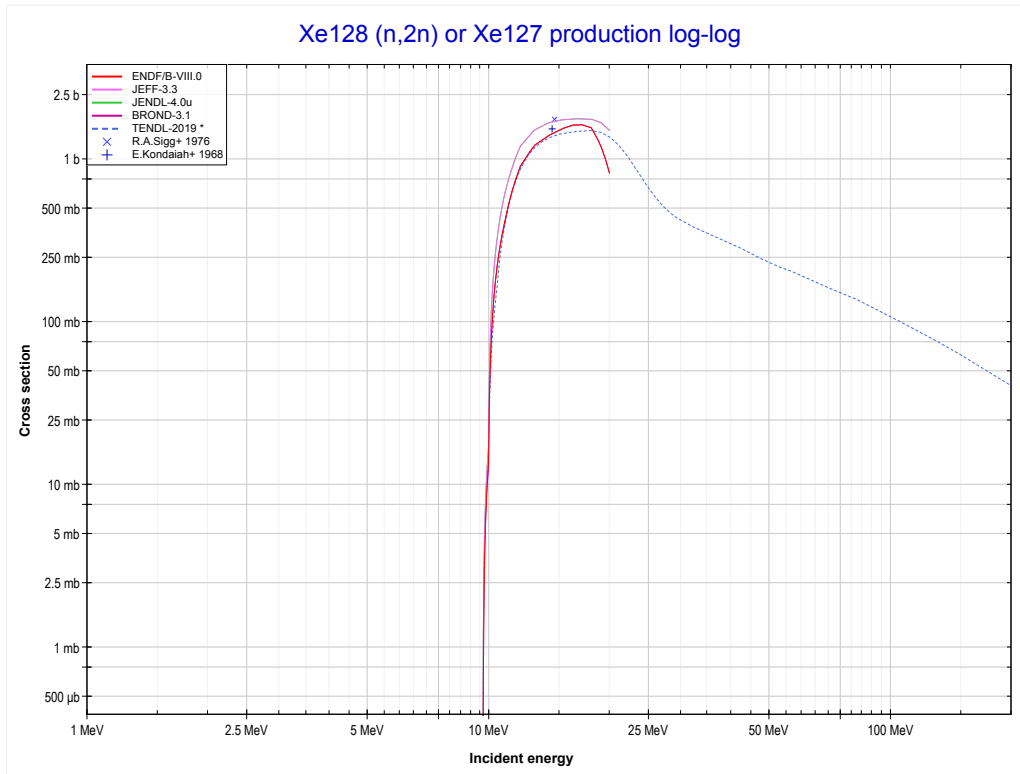
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.42359E-4 b | 0.0174636 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.08441E-5 b | 0.0172132 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31926E-4 b | 0.0158825 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.9226E-4 b | 0.03814 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.08441E-5 b | 0.0172132 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31583E-4 b | 0.0158729 b |

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| << 54-Xe-125 | 54-Xe-127 | 55-Cs-132 >> |
| << 54-Xe-126 MT103 (n,p) | MT107 (n,α) or MT5 (Te124 production) | 54-Xe-128 MT16 (n,2n) >> |



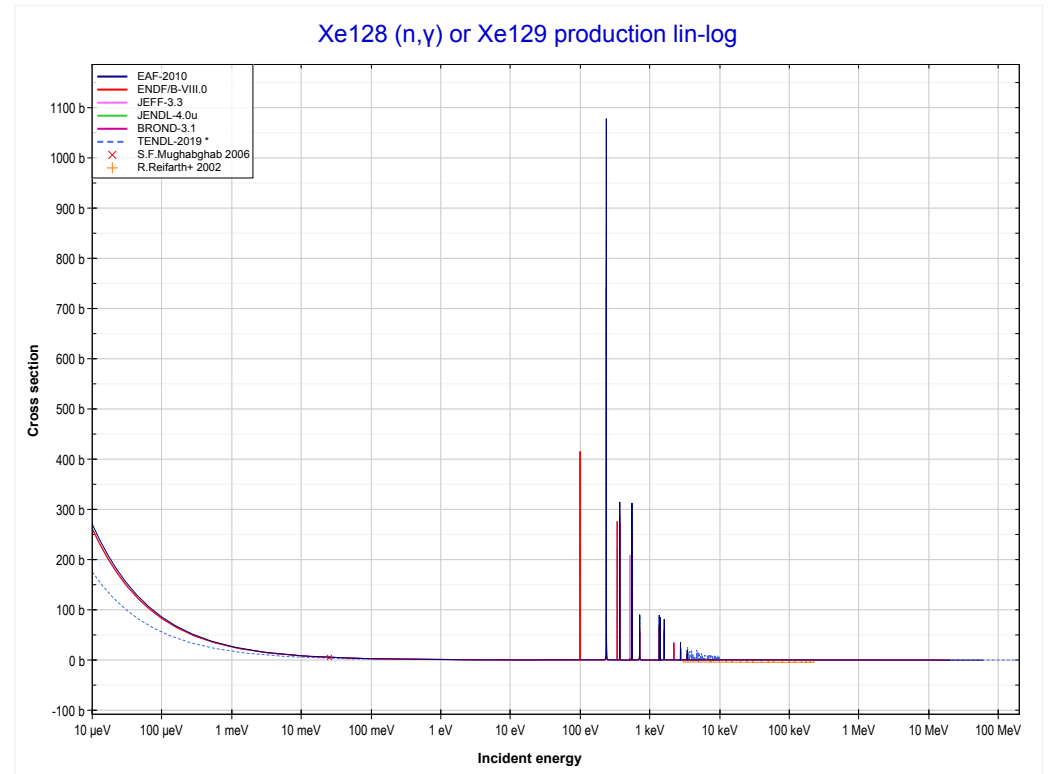
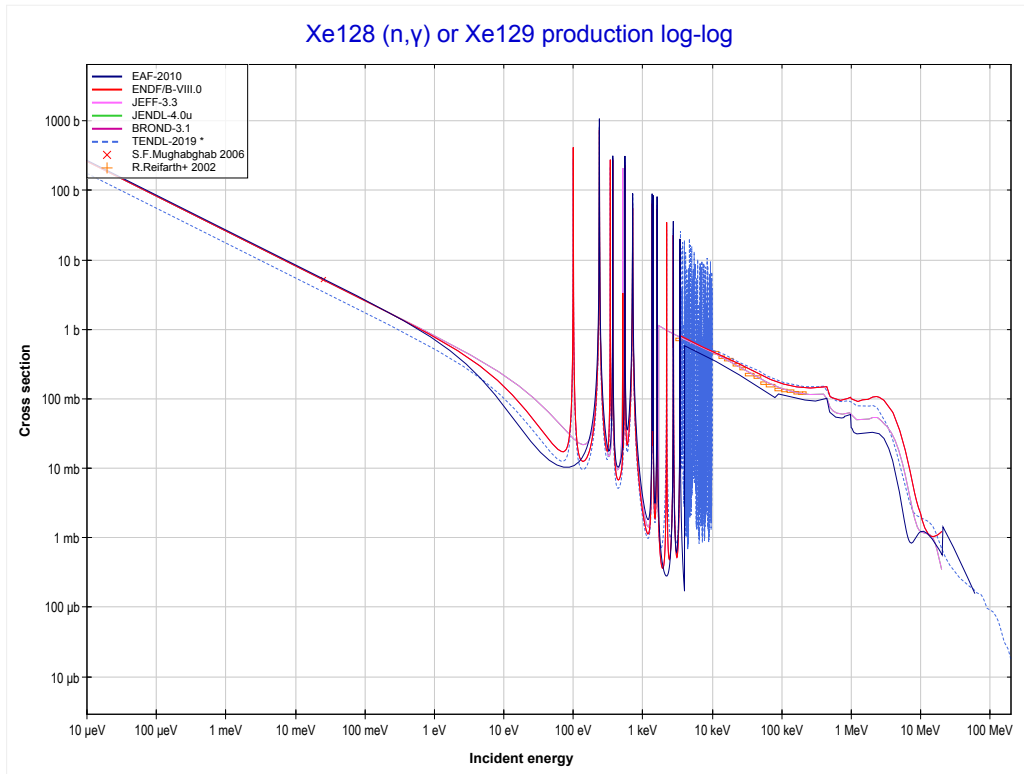
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.01 b | 0.0099925 b | 0.0099926 b | 1.00001 | 0.00448954 b | 1.31022E-4 b | 0.00577683 b |
| ENDF/B-VIII.0 | 0.128912 b | 0.128912 b | 0.12896 b | 1.00035 | 0.0568966 b | 6.50707E-5 b | 0.00842877 b |
| JEFF-3.3 | 8.89061E-4 b | 8.89061E-4 b | 8.8934E-4 b | 1.00032 | 0.00597109 b | 2.97328E-5 b | 0.00664483 b |
| TENDL-2019 | 1.30712E-4 b | 1.30712E-4 b | 1.3064E-4 b | 0.99947 | 8.71002E-4 b | 2.24249E-5 b | 0.00734962 b |

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|-----------------------------------|--|-------------------------|
| << 54-Xe-126 | 54-Xe-128 | 54-Xe-130 >> |
| << 54-Xe-127 MT107 (n, α) | MT16 (n,2n) or MT5 (Xe127 production) | MT102 (n, γ) >> |



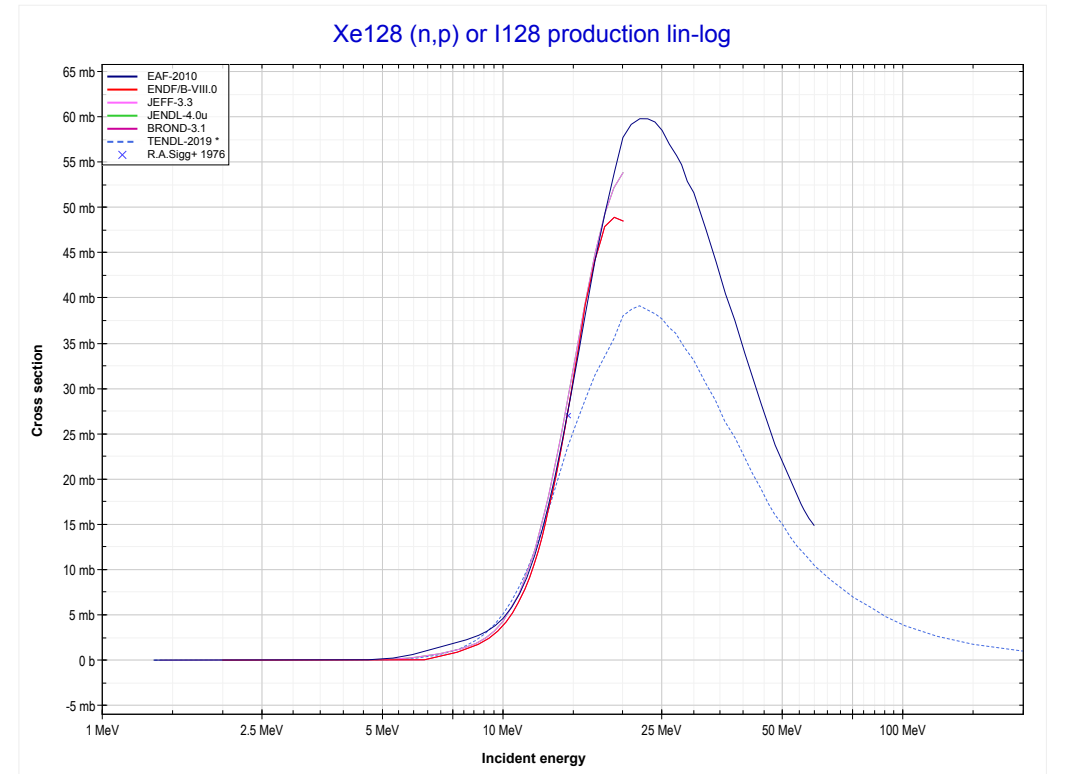
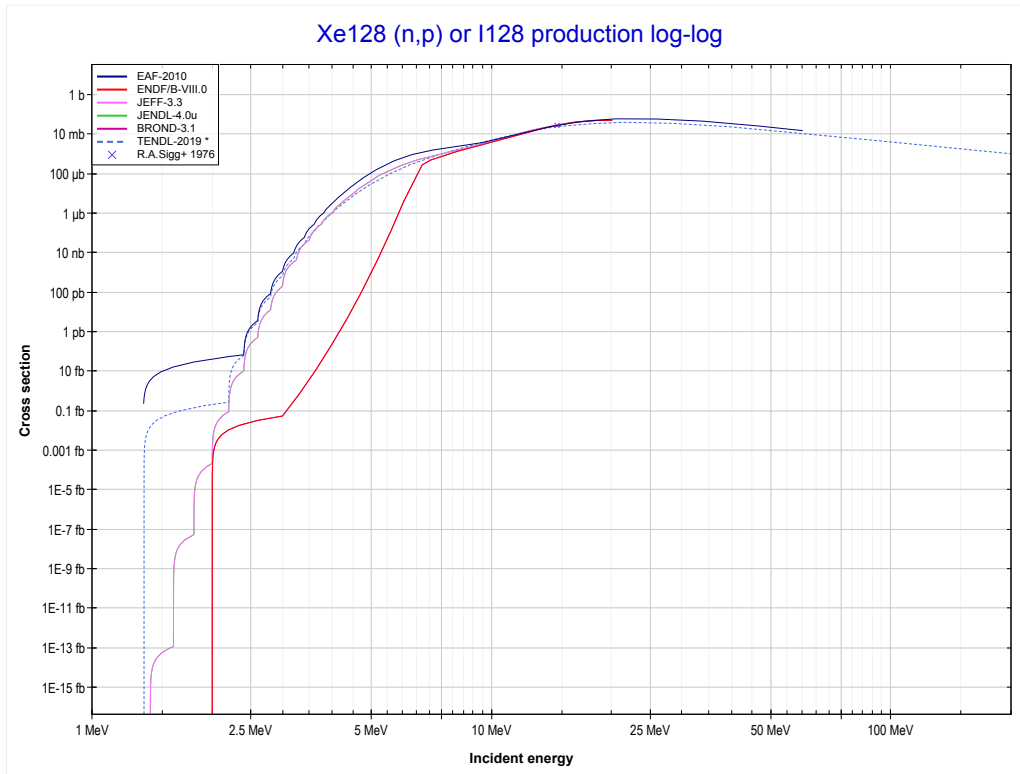
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109851 b | 1.37648 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145066 b | 1.659 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00145066 b | 1.659 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00109851 b | 1.37648 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104195 b | 1.33303 b |

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| << 54-Xe-126 | 54-Xe-128 | 54-Xe-129 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe129 production) | MT103 (n,p) >> |



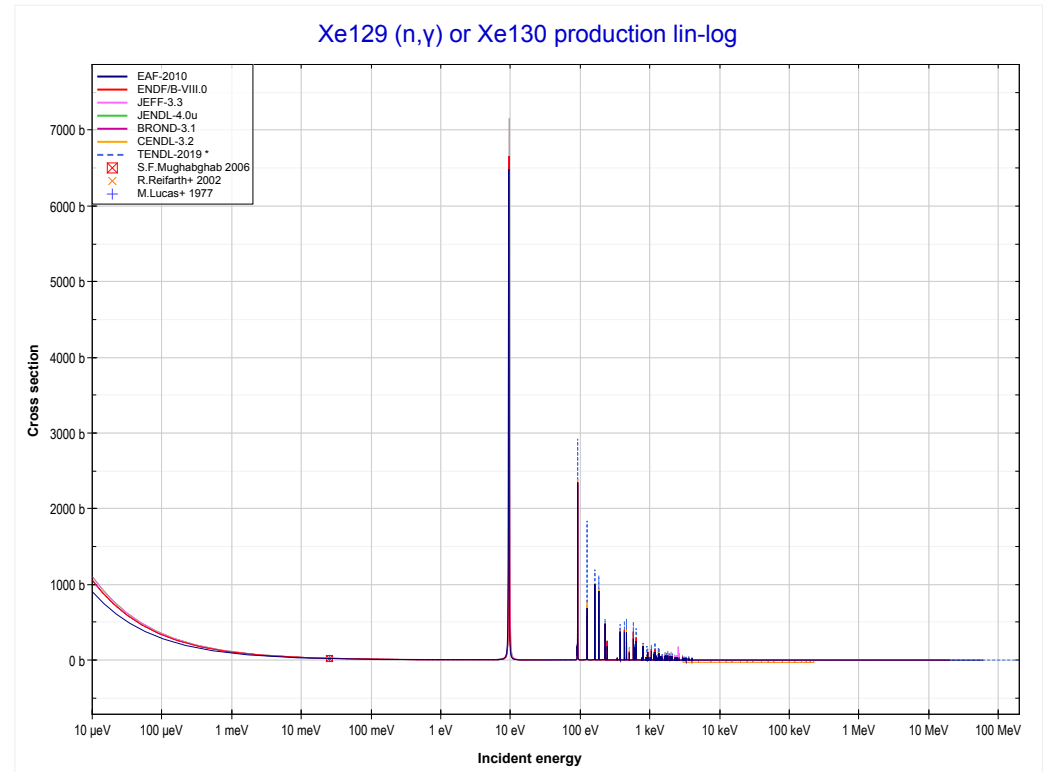
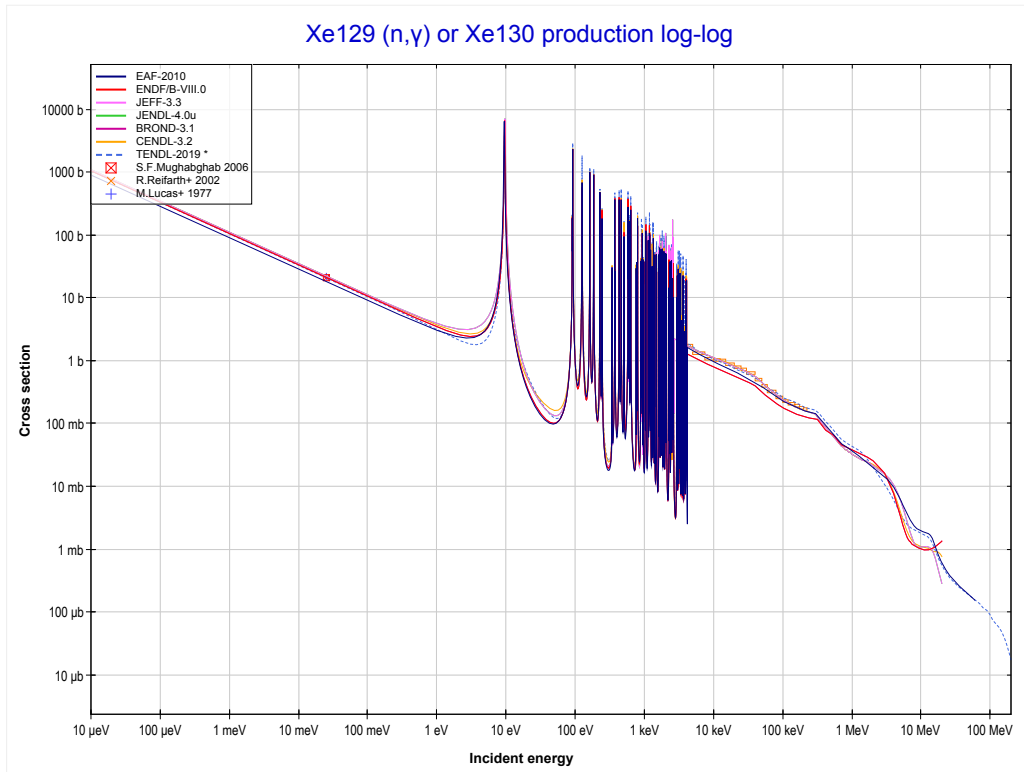
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.36486 b | 5.3608 b | 5.3474 b | 0.99749 | 10.9692 b | 0.041183 b | 0.00102057 b |
| ENDF/B-VIII.0 | 5.19192 b | 5.19192 b | 5.1899 b | 0.99962 | 12.2119 b | 0.0971475 b | 0.00105014 b |
| JEFF-3.3 | 5.20401 b | 5.20401 b | 5.205 b | 1.00019 | 10.8113 b | 0.0575961 b | 0.001087 b |
| JENDL-4.0u | 5.20401 b | 5.20401 b | 5.205 b | 1.00019 | 10.8113 b | 0.0575961 b | 0.001087 b |
| BROND-3.1 | 5.19192 b | 5.19192 b | 5.1899 b | 0.99962 | 12.2119 b | 0.0971475 b | 0.00105014 b |
| TENDL-2019 | 3.48691 b | 3.48691 b | 3.4843 b | 0.99924 | 10.4824 b | 0.0788649 b | 0.00159387 b |

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| << 54-Xe-126 | 54-Xe-128 | 54-Xe-130 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (I128 production) | 54-Xe-129 MT102 (n, γ) >> |



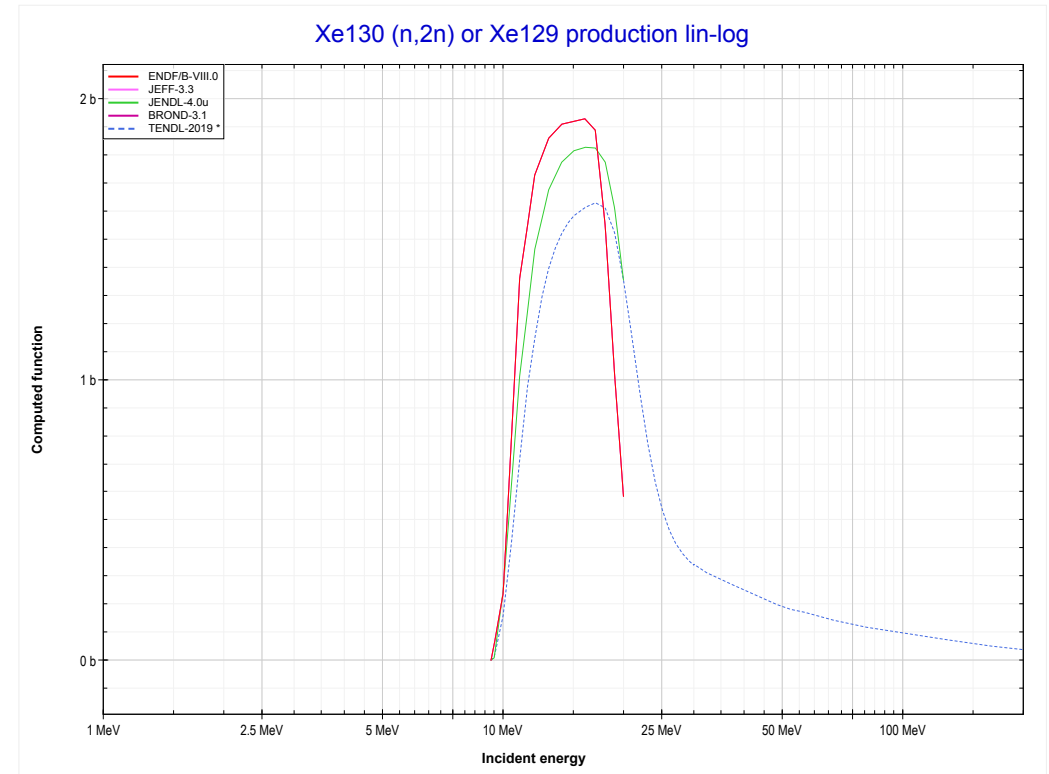
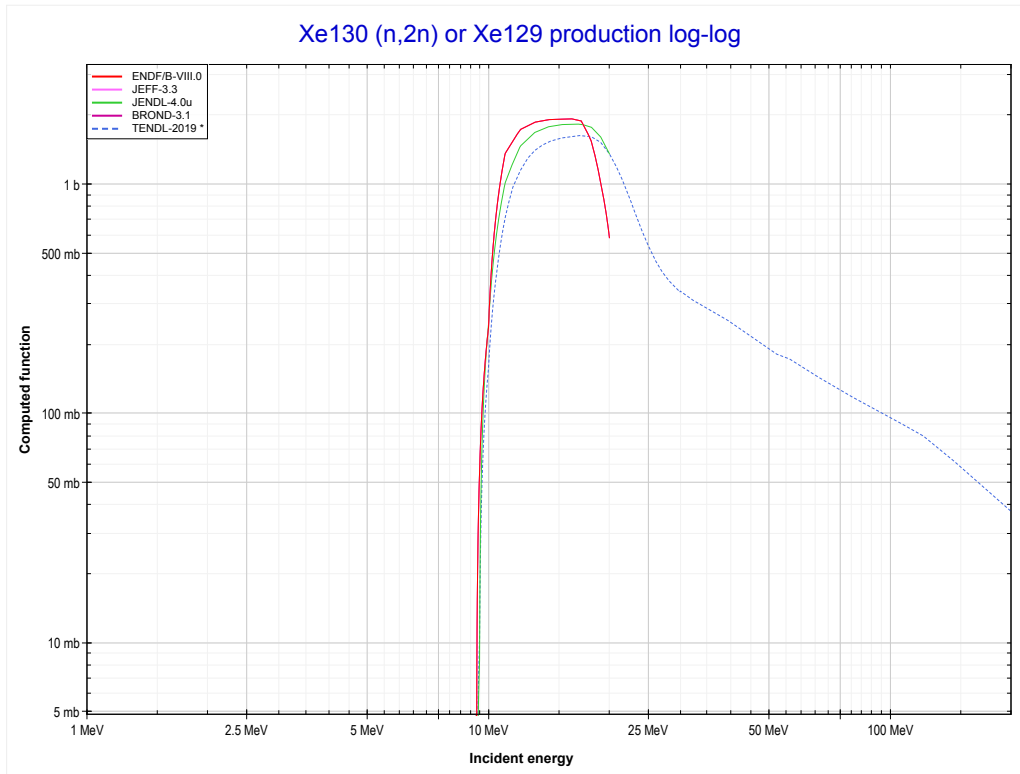
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.62243E-5 b | 0.0235111 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.7127E-5 b | 0.023294 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.22413E-5 b | 0.02479 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.22413E-5 b | 0.02479 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.7127E-5 b | 0.023294 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.1184E-5 b | 0.0210938 b |

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|--------------------------|--|--------------------------|
| << 54-Xe-128 | 54-Xe-129 | 54-Xe-130 >> |
| << 54-Xe-128 MT103 (n,p) | MT102 (n,γ) or MT5 (Xe130 production) | 54-Xe-130 MT16 (n,2n) >> |



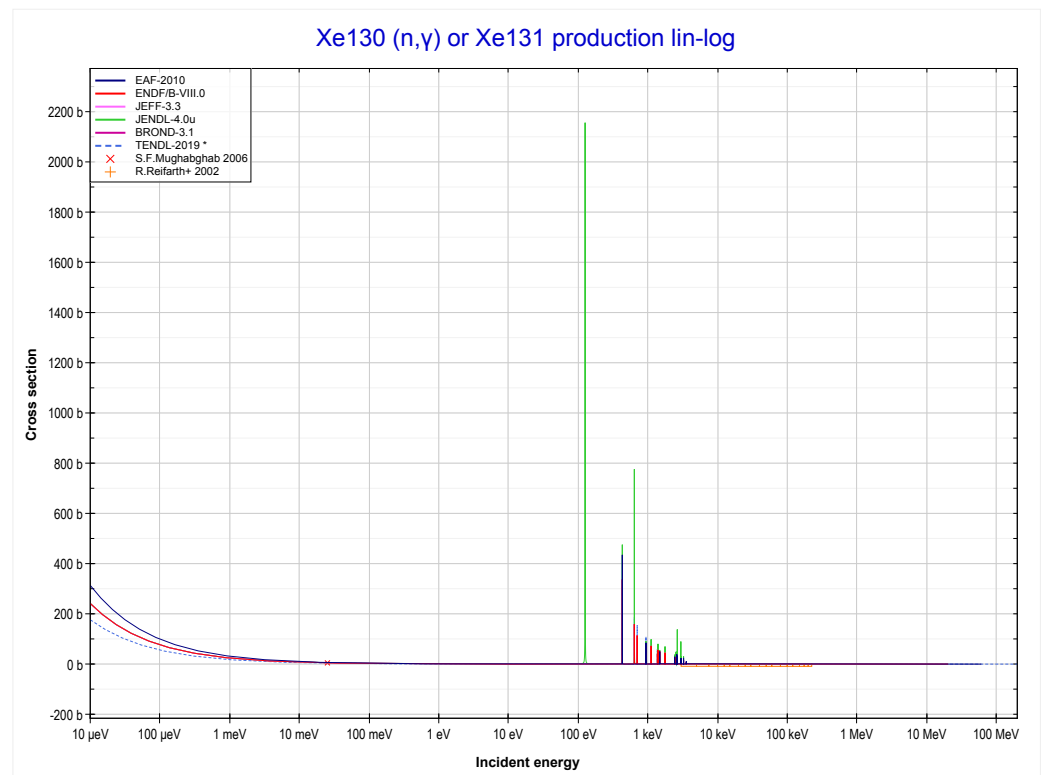
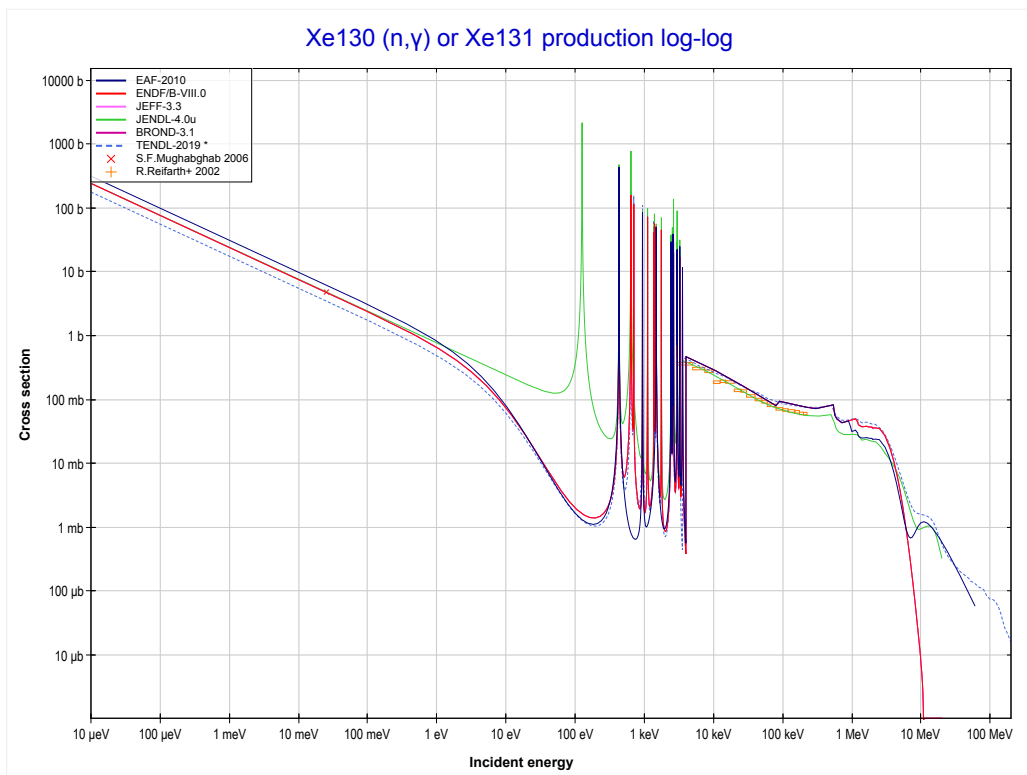
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.0191 b | 18.0056 b | 18.013 b | 1.0004 | 255.198 b | 0.0434096 b | 0.00159883 b |
| ENDF/B-VIII.0 | 21.0053 b | 21.0053 b | 21.019 b | 1.00066 | 254.584 b | 0.0409841 b | 0.00100026 b |
| JEFF-3.3 | 22.0103 b | 22.0103 b | 22.047 b | 1.00166 | 305.143 b | 0.0434426 b | 0.001018 b |
| JENDL-4.0u | 22.0103 b | 22.0103 b | 22.047 b | 1.00166 | 305.143 b | 0.0434426 b | 0.001018 b |
| BROND-3.1 | 21.0053 b | 21.0053 b | 21.019 b | 1.00066 | 254.584 b | 0.0409841 b | 0.00100026 b |
| CENDL-3.2 | 21.9887 b | 21.9887 b | 22.004 b | 1.0007 | 255.865 b | 0.043207 b | 9.54606E-4 b |
| TENDL-2019 | 20.9453 b | 20.9453 b | 20.926 b | 0.99906 | 268.767 b | 0.0489029 b | 0.00136226 b |

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| << 54-Xe-128 | 54-Xe-130 | 54-Xe-132 >> |
| << 54-Xe-129 MT102 (n, γ) | MT16 (n,2n) or MT5 (Xe129 production) | MT102 (n, γ) >> |



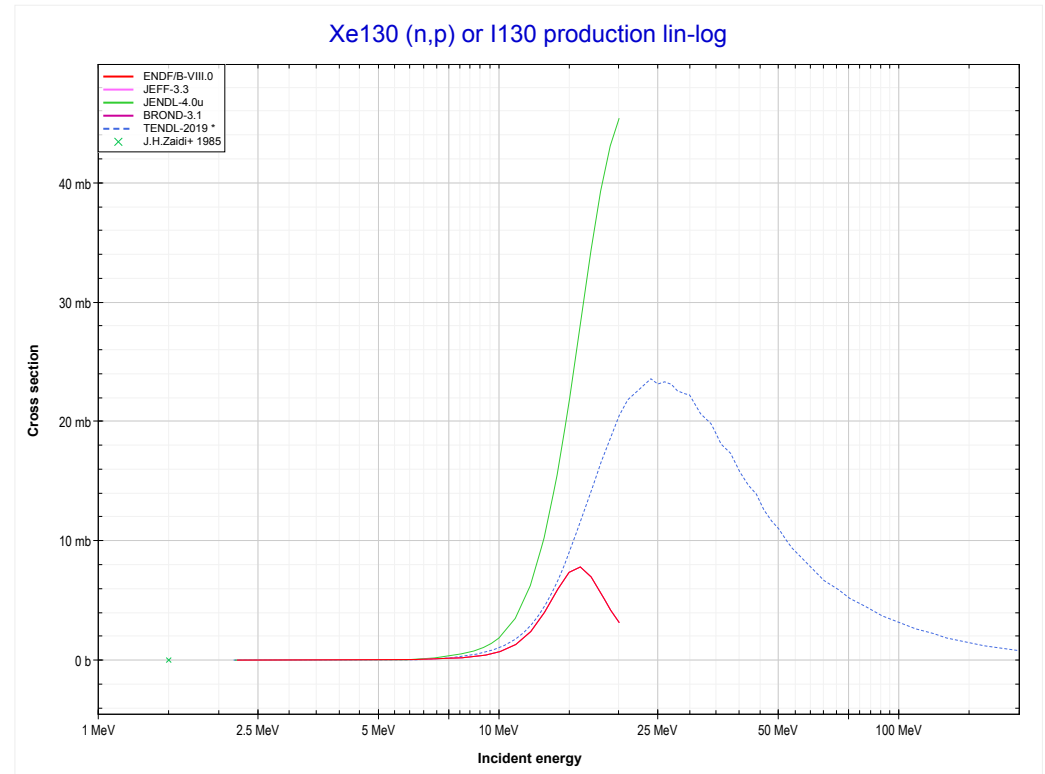
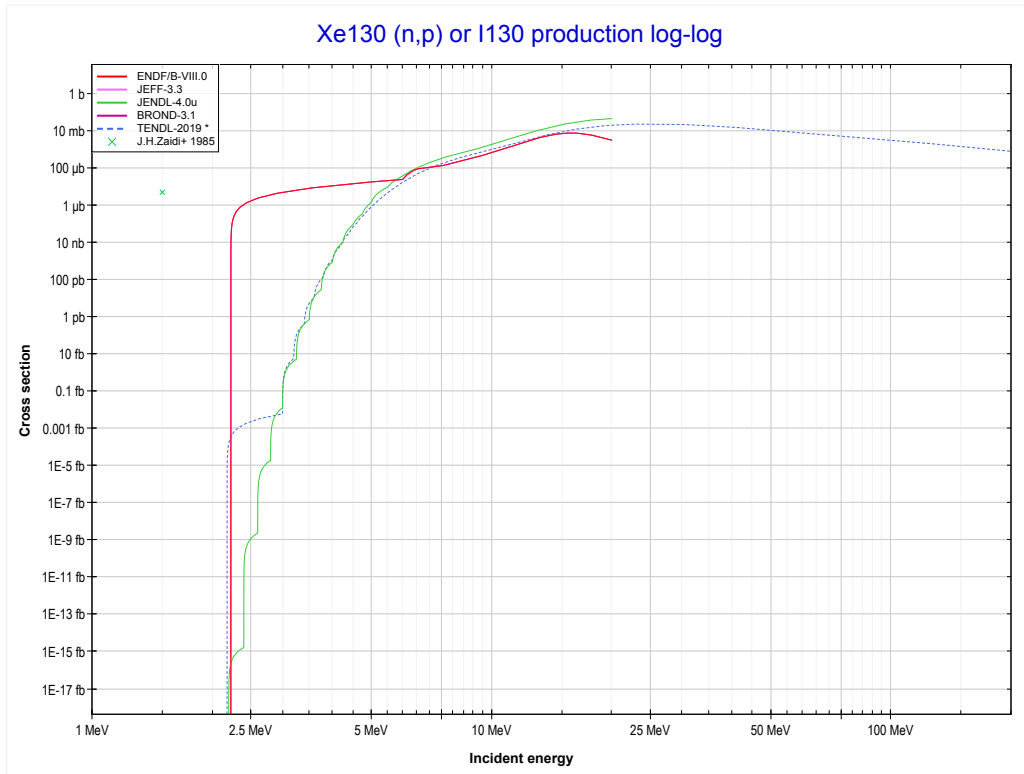
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0025068 b | 1.91 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0025068 b | 1.91 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00209242 b | 1.774 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0025068 b | 1.91 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0016001 b | 1.51943 b |

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|----------------|--|----------------|
| << 54-Xe-129 | 54-Xe-130 | 54-Xe-131 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe131 production) | MT103 (n,p) >> |



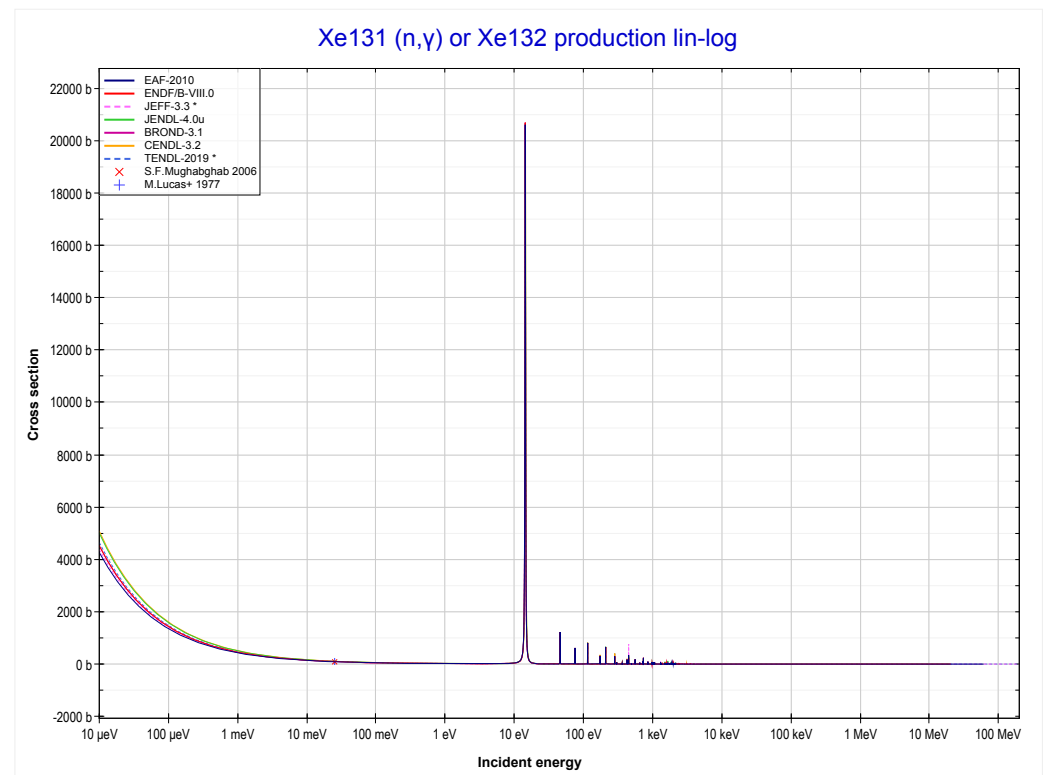
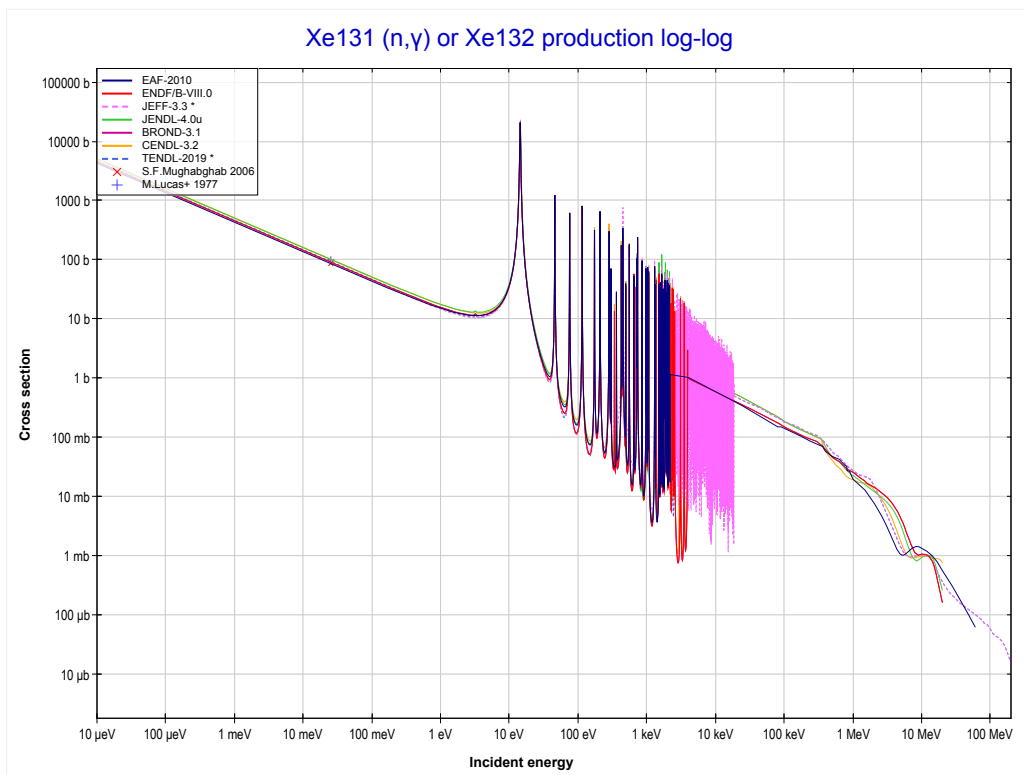
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.20637 b | 6.20168 b | 6.1847 b | 0.99726 | 4.29578 b | 0.0333717 b | 0.00102564 b |
| ENDF/B-VIII.0 | 4.77804 b | 4.77804 b | 4.7703 b | 0.99838 | 4.69644 b | 0.0404119 b | 0 b |
| JEFF-3.3 | 4.77804 b | 4.77804 b | 4.7703 b | 0.99838 | 4.69644 b | 0.0404119 b | 0 b |
| JENDL-4.0u | 4.81139 b | 4.81139 b | 4.8133 b | 1.00039 | 28.6509 b | 0.026702 b | 0.001026 b |
| BROND-3.1 | 4.77804 b | 4.77804 b | 4.7703 b | 0.99838 | 4.69644 b | 0.0404119 b | 0 b |
| TENDL-2019 | 3.49699 b | 3.49699 b | 3.4909 b | 0.99827 | 4.36722 b | 0.0431465 b | 0.00135725 b |

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|-------------------------|---|-----------------------------------|
| << 54-Xe-128 | 54-Xe-130 | 54-Xe-131 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (I130 production) | 54-Xe-131 MT102 (n, γ) >> |



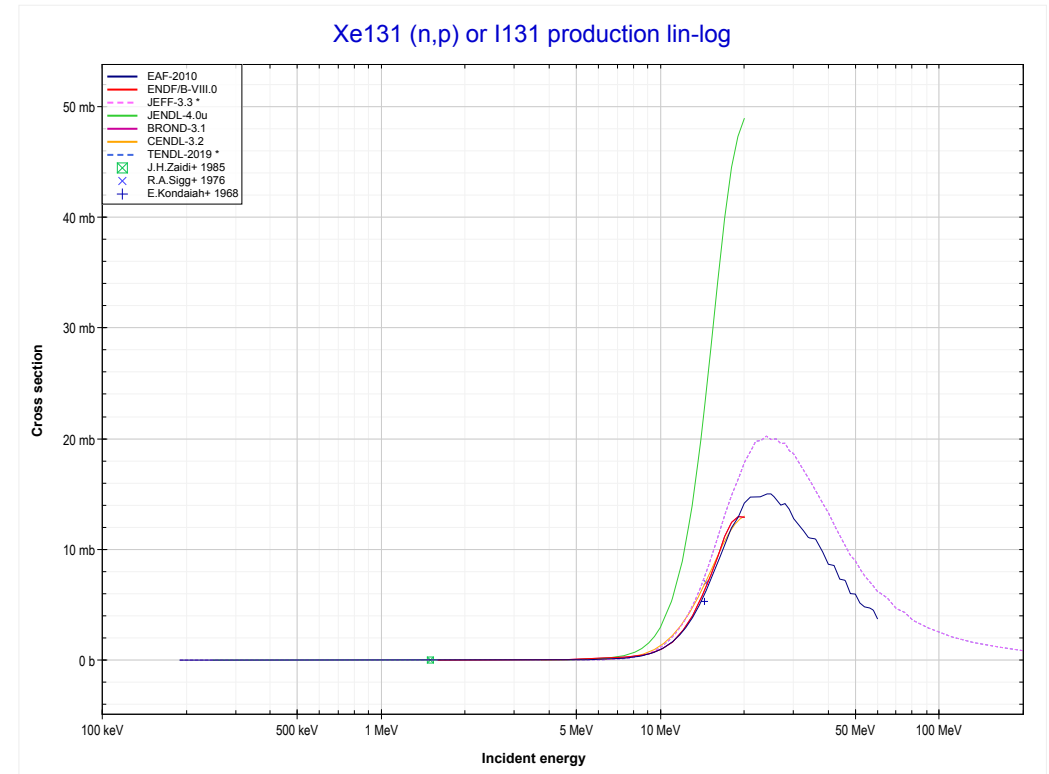
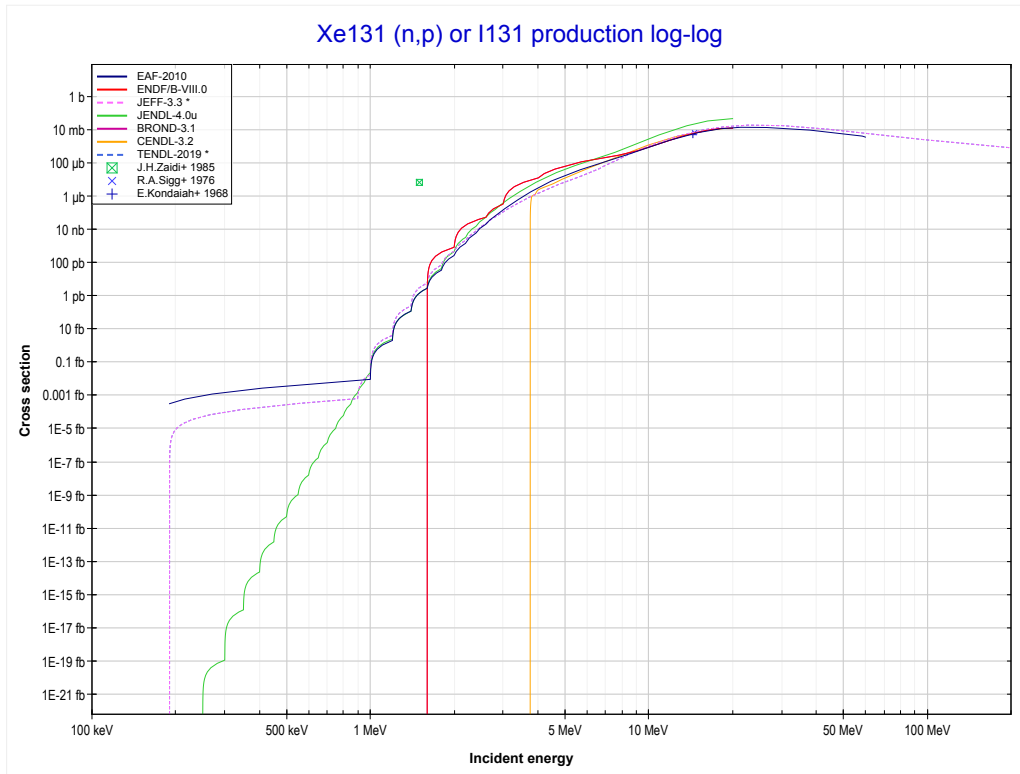
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04758E-5 b | 0.00585 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04758E-5 b | 0.00585 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.07075E-5 b | 0.01547 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04758E-5 b | 0.00585 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.028E-5 b | 0.00651205 b |

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|--------------------------|--|----------------|
| << 54-Xe-130 | 54-Xe-131 | 54-Xe-132 >> |
| << 54-Xe-130 MT103 (n,p) | MT102 (n,γ) or MT5 (Xe132 production) | MT103 (n,p) >> |



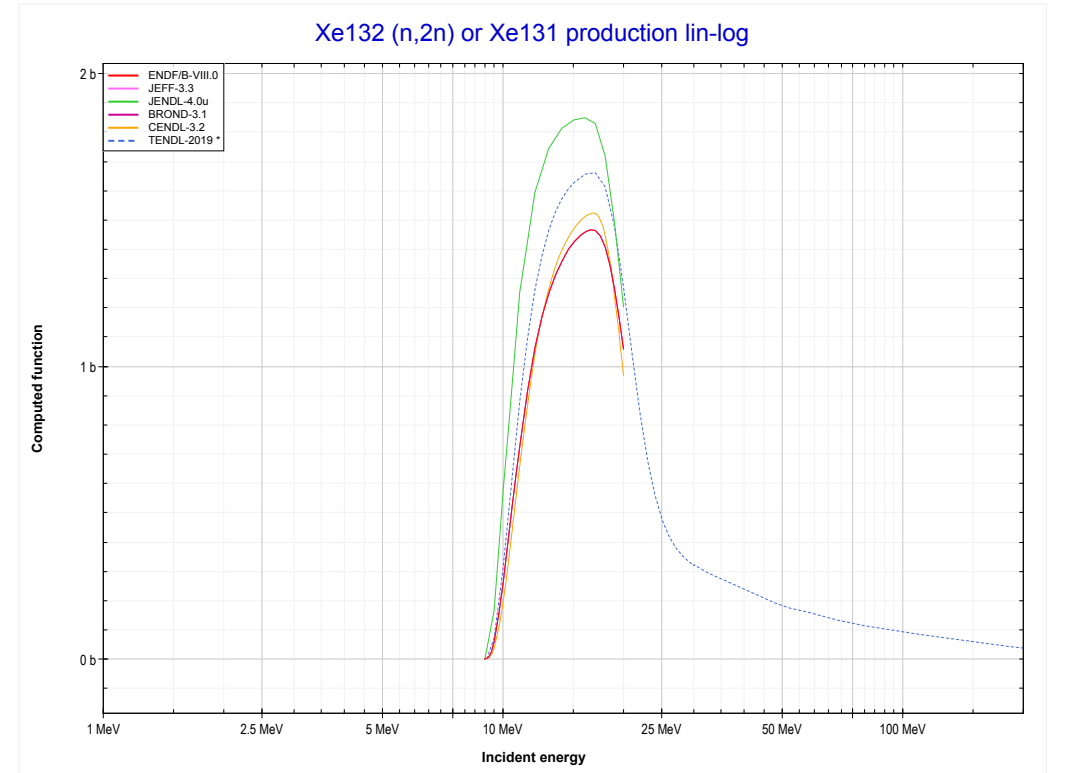
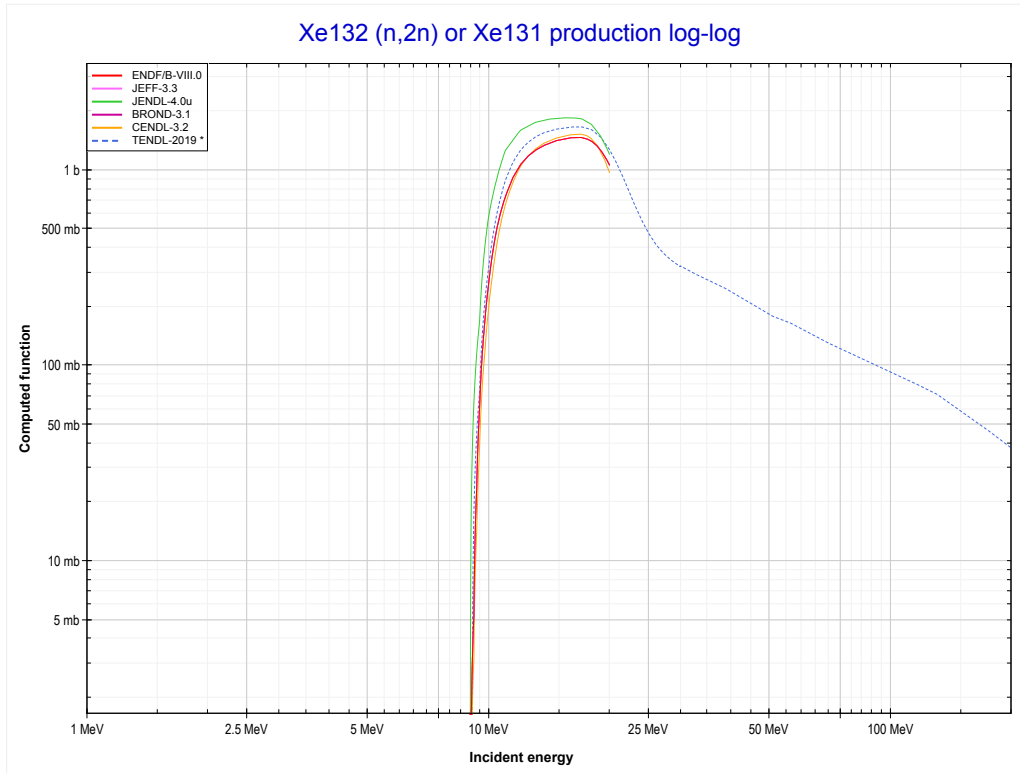
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 85.0616 b | 84.9983 b | 85.098 b | 1.00118 | 890.32 b | 0.024221 b | 0.00102505 b |
| ENDF/B-VIII.0 | 90.032 b | 90.032 b | 90.162 b | 1.00144 | 883.078 b | 0.0287733 b | 8.49296E-4 b |
| JEFF-3.3 | 87.087 b | 87.087 b | 87.137 b | 1.00058 | 878.662 b | 0.0328359 b | 8.61357E-4 b |
| JENDL-4.0u | 99.6685 b | 99.6685 b | 99.828 b | 1.0016 | 909.44 b | 0.0301818 b | 9.683E-4 b |
| BROND-3.1 | 90.032 b | 90.032 b | 90.162 b | 1.00144 | 883.078 b | 0.0287733 b | 8.49296E-4 b |
| CENDL-3.2 | 101.159 b | 101.159 b | 101.27 b | 1.00107 | 883.775 b | 0.027996 b | 9.40364E-4 b |
| TENDL-2019 | 92.3178 b | 92.3178 b | 92.324 b | 1.00007 | 883.312 b | 0.0327485 b | 8.61024E-4 b |

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|-------------------------|---|--------------------------|
| << 54-Xe-130 | 54-Xe-131 | 55-Cs-133 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (I131 production) | 54-Xe-132 MT16 (n,2n) >> |



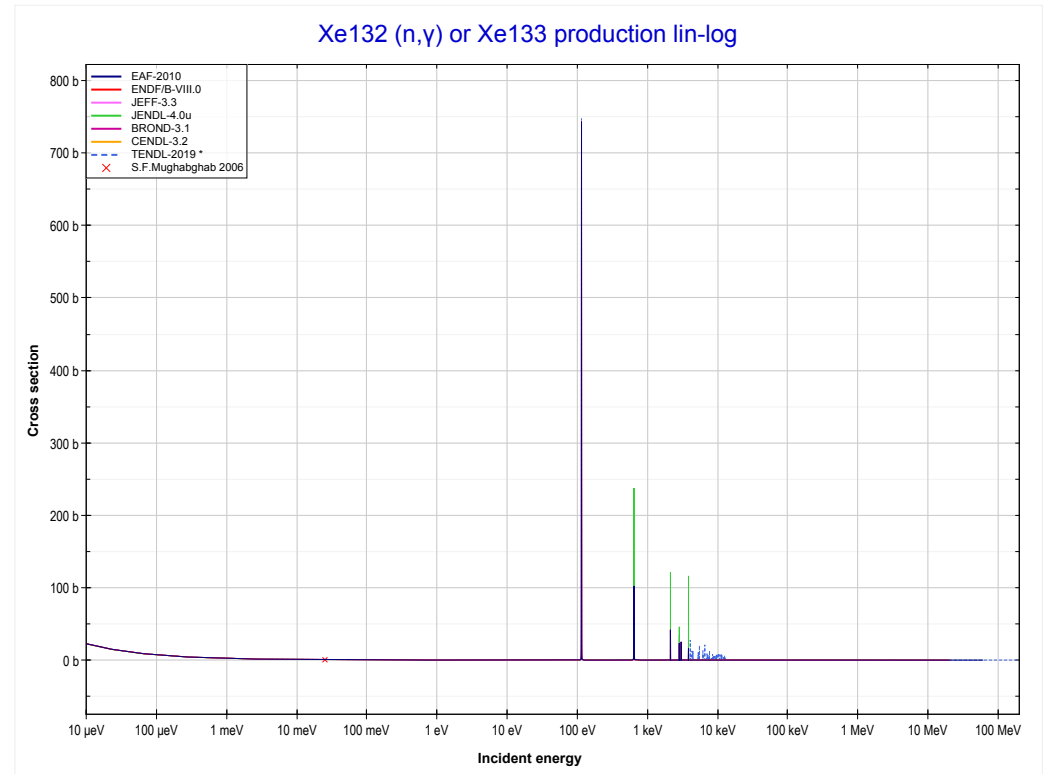
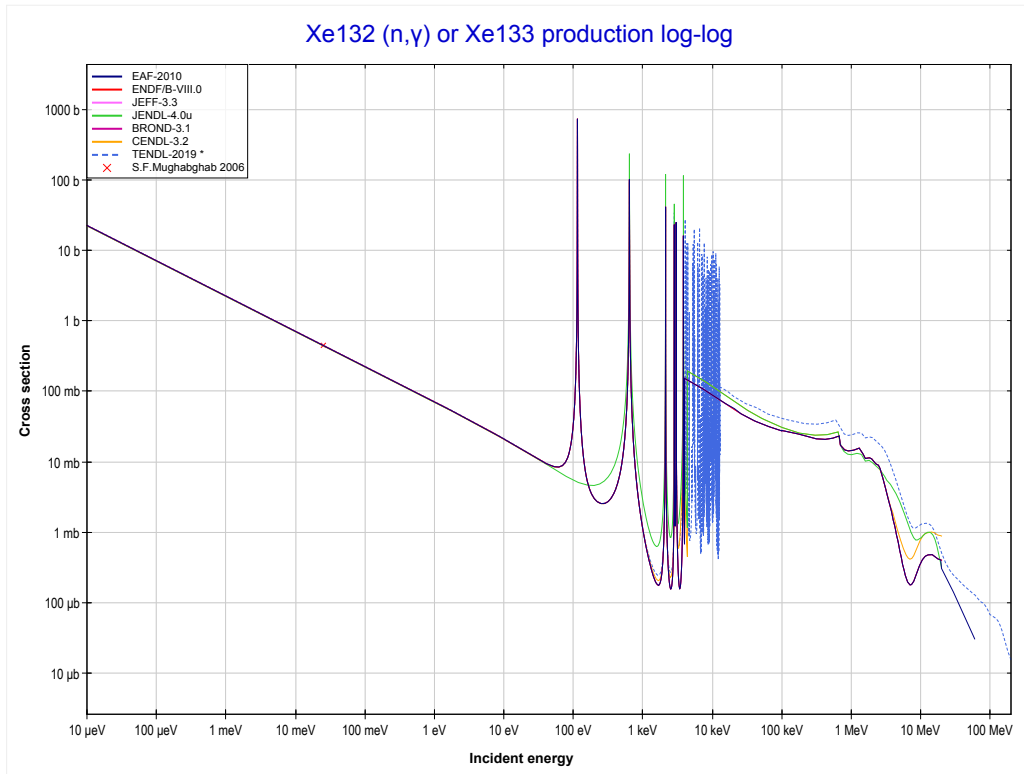
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1269E-5 b | 0.00526464 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78473E-5 b | 0.00557756 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0748E-5 b | 0.0066648 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.32501E-5 b | 0.02003 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78473E-5 b | 0.00557756 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.29595E-5 b | 0.00619145 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0748E-5 b | 0.00666473 b |

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|--------------------------|--|-------------------------|
| << 54-Xe-130 | 54-Xe-132 | 54-Xe-134 >> |
| << 54-Xe-131 MT103 (n,p) | MT16 (n,2n) or MT5 (Xe131 production) | MT102 (n, γ) >> |



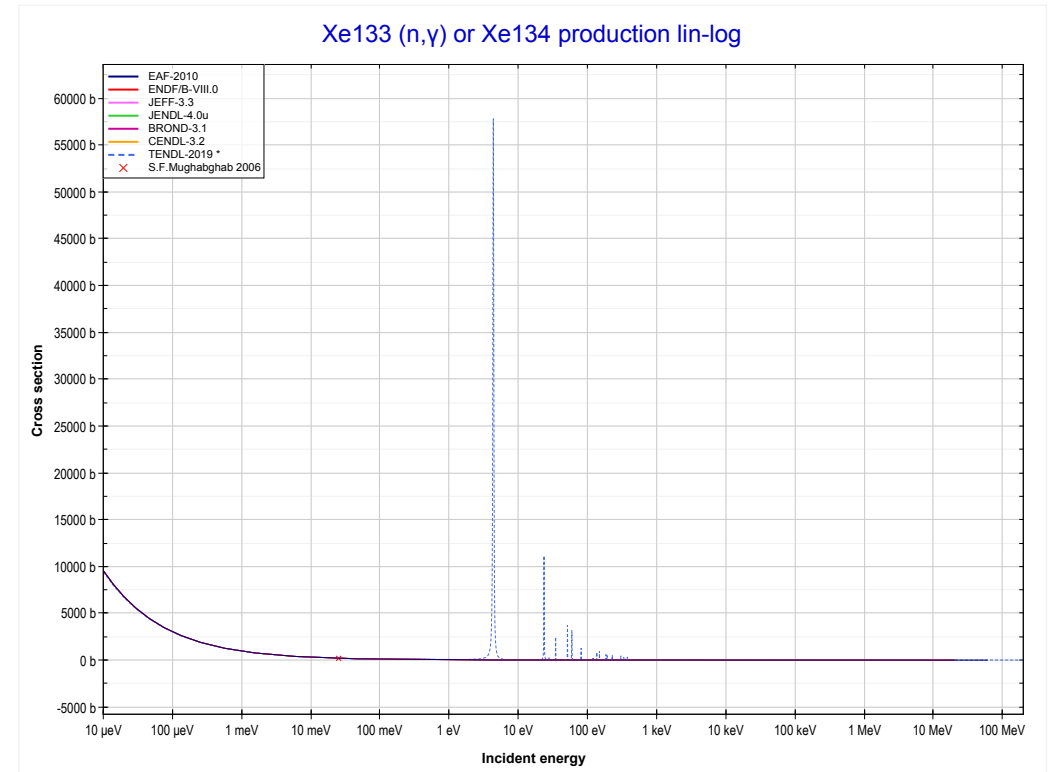
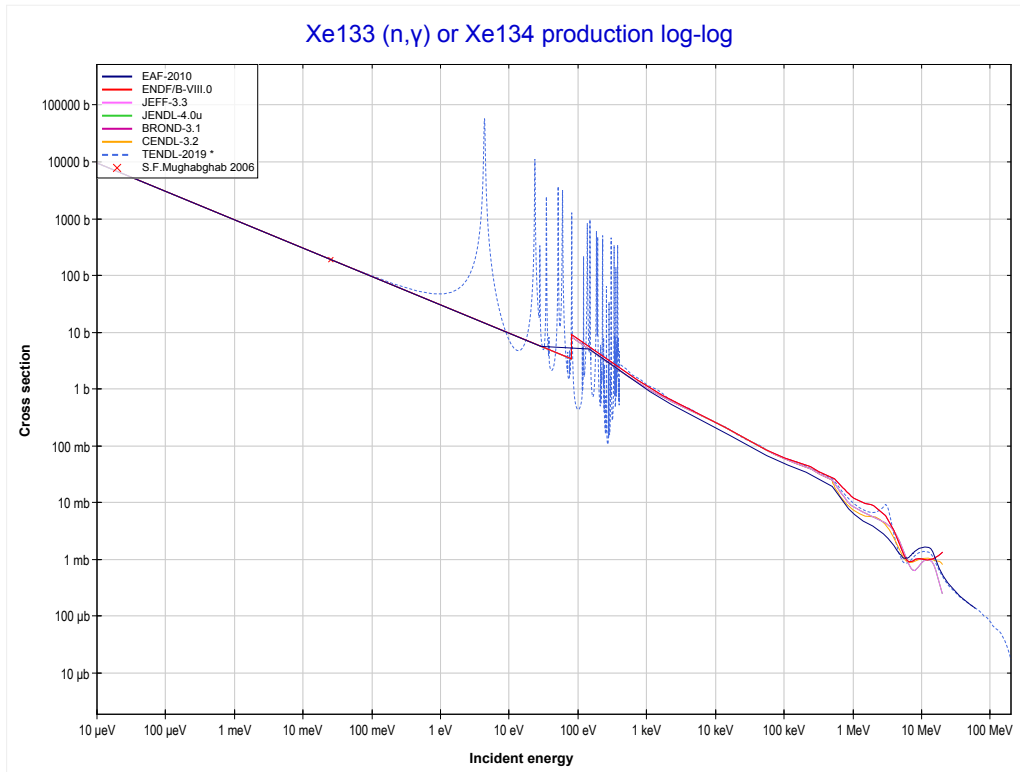
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00166222 b | 1.3567 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00166222 b | 1.3567 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00279505 b | 1.813 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00166222 b | 1.3567 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152441 b | 1.39471 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00198441 b | 1.57124 b |

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|----------------|--|-----------------------------------|
| << 54-Xe-131 | 54-Xe-132 | 54-Xe-133 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe133 production) | 54-Xe-133 MT102 (n, γ) >> |



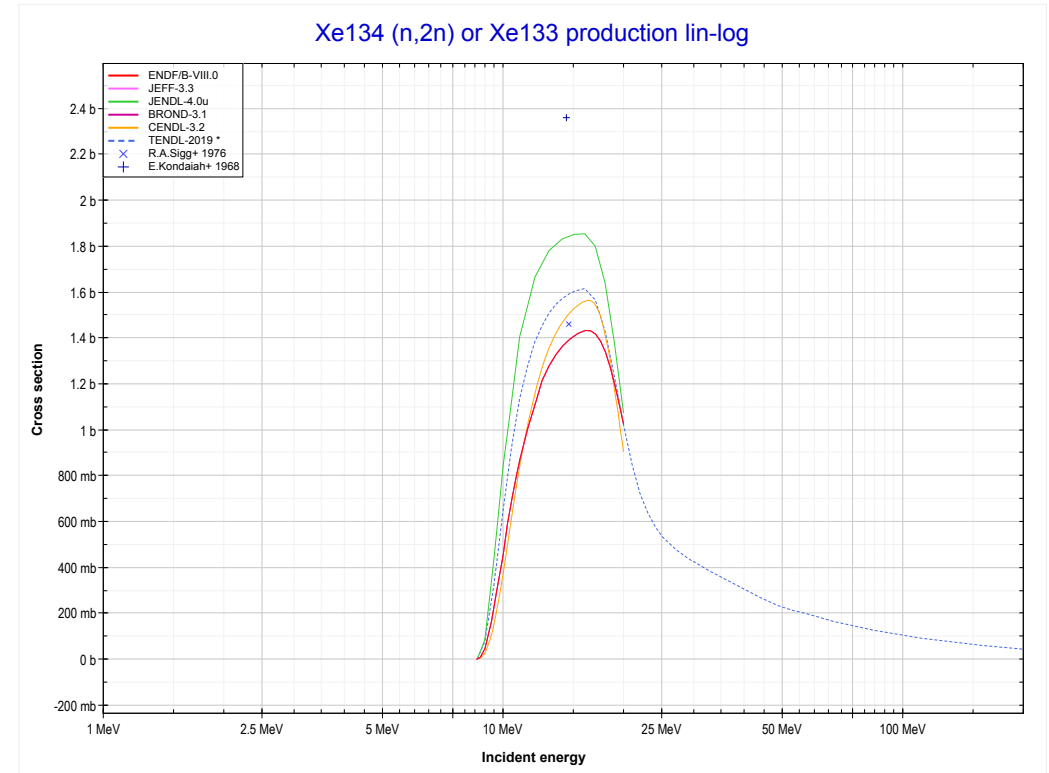
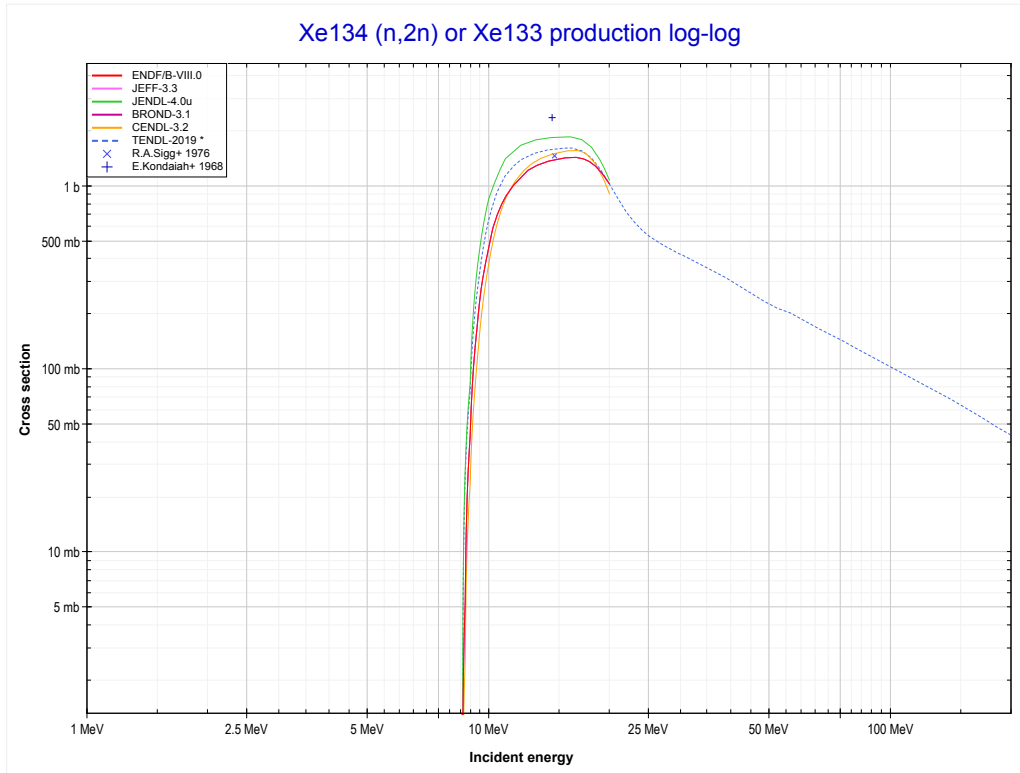
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.450548 b | 0.450221 b | 0.4502 b | 0.99999 | 5.20195 b | 0.0121203 b | 4.81459E-4 b |
| ENDF/B-VIII.0 | 0.450655 b | 0.450655 b | 0.45079 b | 1.0003 | 5.20187 b | 0.0121183 b | 4.81459E-4 b |
| JEFF-3.3 | 0.450655 b | 0.450655 b | 0.45079 b | 1.0003 | 5.20187 b | 0.0121183 b | 4.81459E-4 b |
| JENDL-4.0u | 0.445113 b | 0.445113 b | 0.44526 b | 1.00032 | 2.54257 b | 0.0126002 b | 9.87E-4 b |
| BROND-3.1 | 0.450655 b | 0.450655 b | 0.45079 b | 1.0003 | 5.20187 b | 0.0121183 b | 4.81459E-4 b |
| CENDL-3.2 | 0.444732 b | 0.444732 b | 0.44471 b | 0.99995 | 5.20392 b | 0.0127348 b | 0.00100323 b |
| TENDL-2019 | 0.455892 b | 0.455892 b | 0.45587 b | 0.99996 | 5.31209 b | 0.022255 b | 0.00125444 b |

| | | |
|-----------------------------------|--|--------------------------|
| << 54-Xe-132 | 54-Xe-133 | 54-Xe-134 >> |
| << 54-Xe-132 MT102 (n, γ) | MT102 (n,γ) or MT5 (Xe134 production) | 54-Xe-134 MT16 (n,2n) >> |



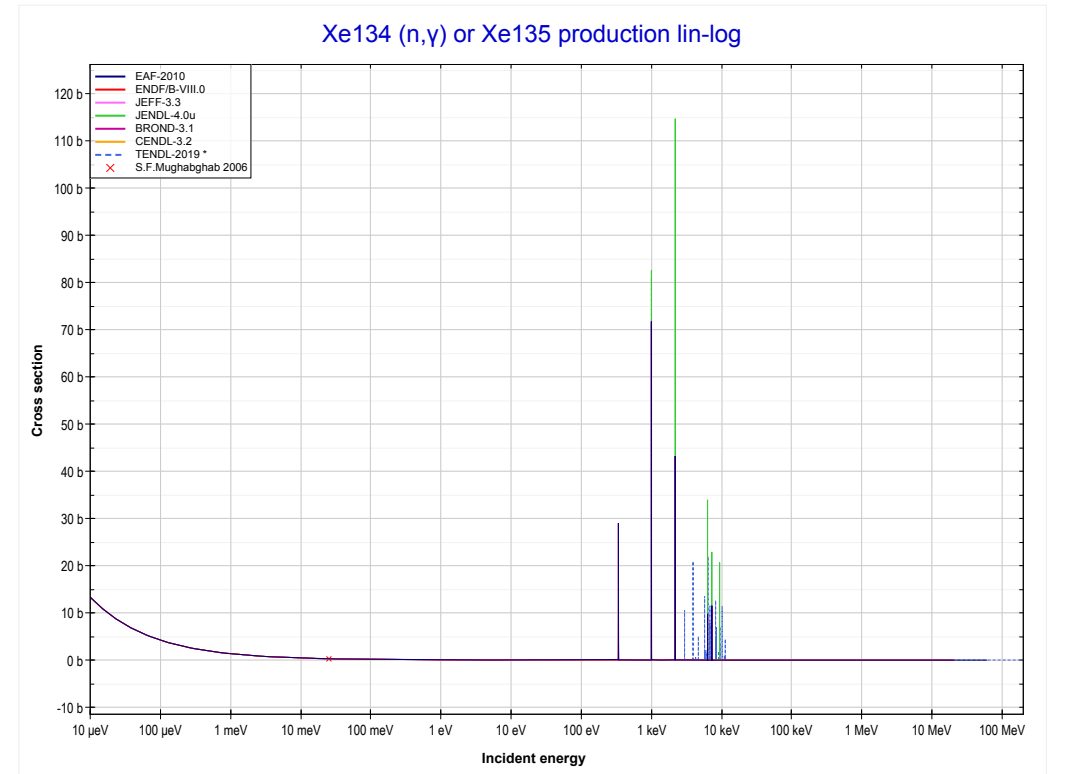
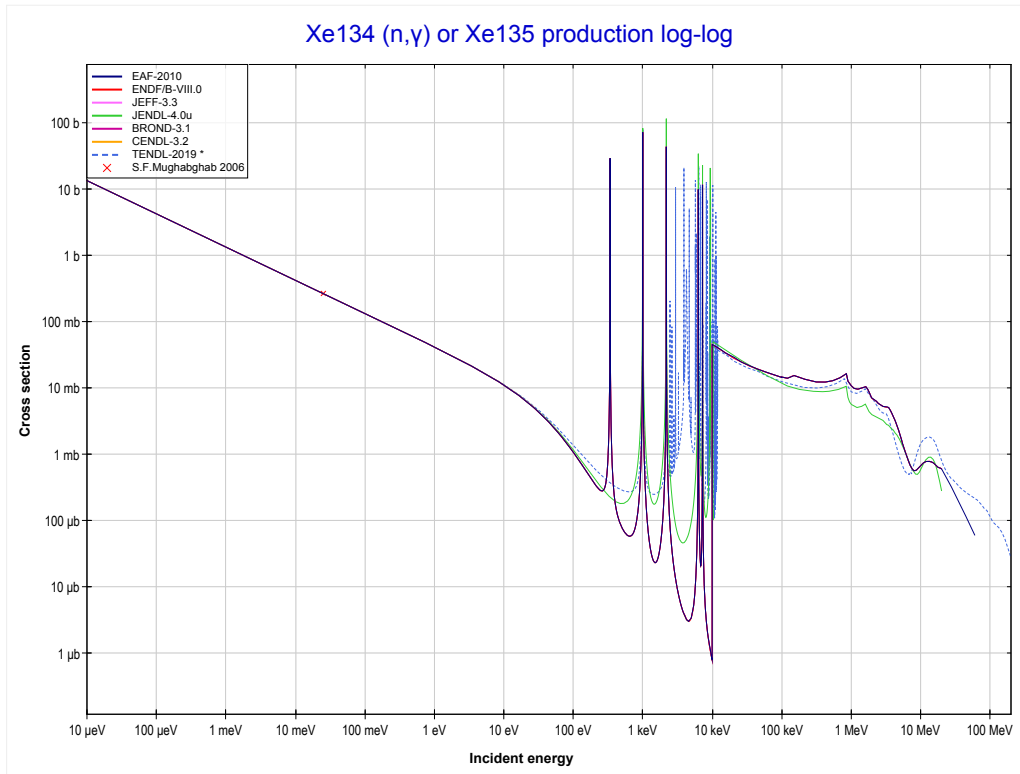
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 190 b | 189.858 b | 189.87 b | 1.00004 | 89.1009 b | 0.00886282 b | 0.00146713 b |
| ENDF/B-VIII.0 | 190.054 b | 190.054 b | 190.13 b | 1.0004 | 90.1183 b | 0.0142584 b | 0.00100021 b |
| JEFF-3.3 | 190.054 b | 190.054 b | 190.13 b | 1.0004 | 89.1021 b | 0.0116424 b | 9.285E-4 b |
| JENDL-4.0u | 190.054 b | 190.054 b | 190.13 b | 1.0004 | 89.1021 b | 0.0116424 b | 9.285E-4 b |
| BROND-3.1 | 190.054 b | 190.054 b | 190.13 b | 1.0004 | 90.1183 b | 0.0142584 b | 0.00100021 b |
| CENDL-3.2 | 190.006 b | 190.006 b | 190.02 b | 1.00005 | 88.9254 b | 0.0110017 b | 0.00100338 b |
| TENDL-2019 | 189.214 b | 189.214 b | 190.19 b | 1.00513 | 3503.49 b | 0.0130852 b | 0.00121398 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 54-Xe-132 | 54-Xe-134 | 54-Xe-136 >> |
| << 54-Xe-133 MT102 (n, γ) | MT16 (n,2n) or MT5 (Xe133 production) | MT102 (n, γ) >> |



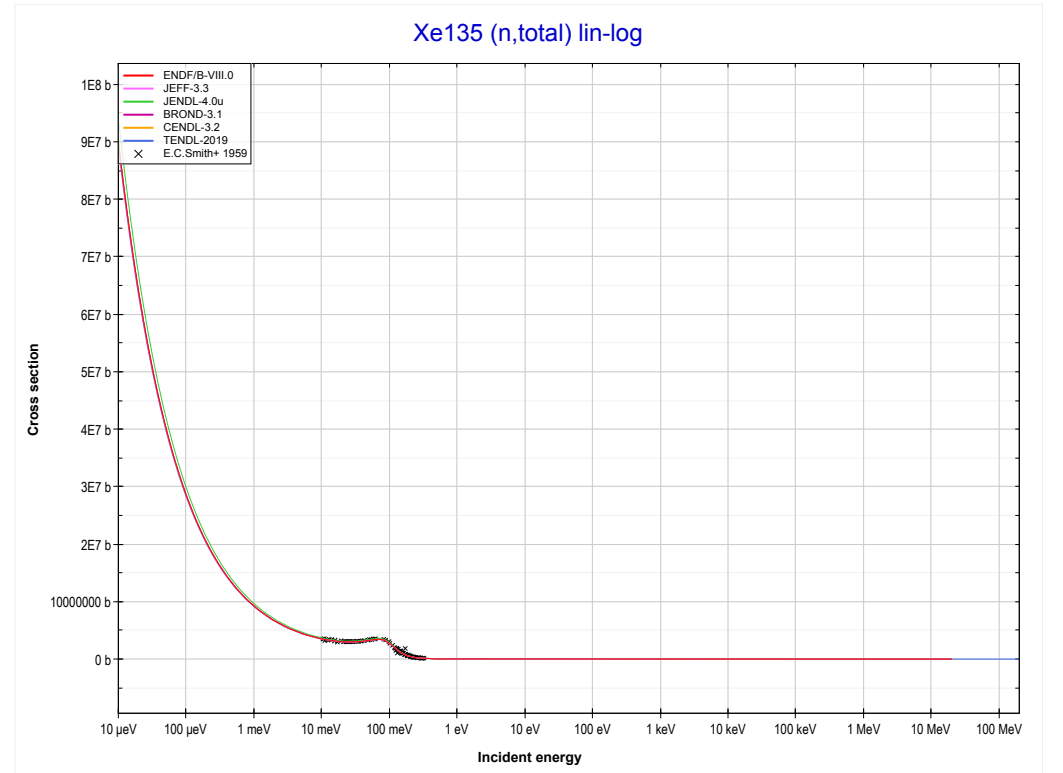
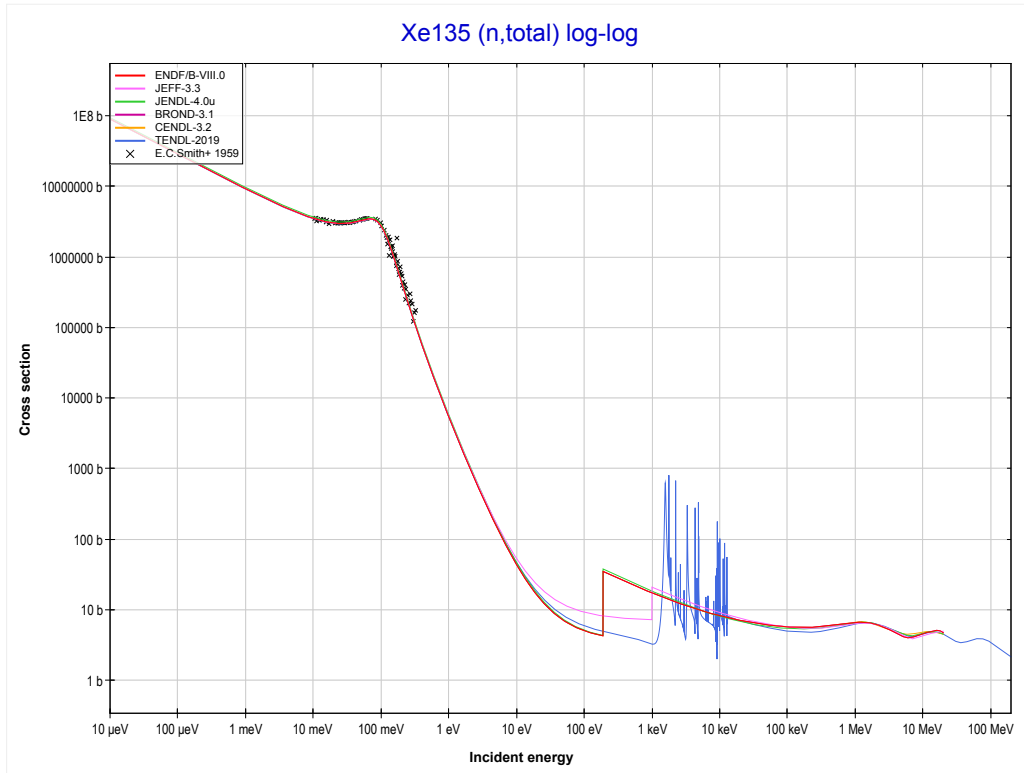
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0022029 b | 1.35955 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0022029 b | 1.35955 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00356552 b | 1.83 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0022029 b | 1.35955 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00204337 b | 1.46269 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00289673 b | 1.56955 b |

| | | |
|----------------|--|----------------------------|
| << 54-Xe-133 | 54-Xe-134 | 54-Xe-135 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe135 production) | 54-Xe-135 MT1 (n,total) >> |



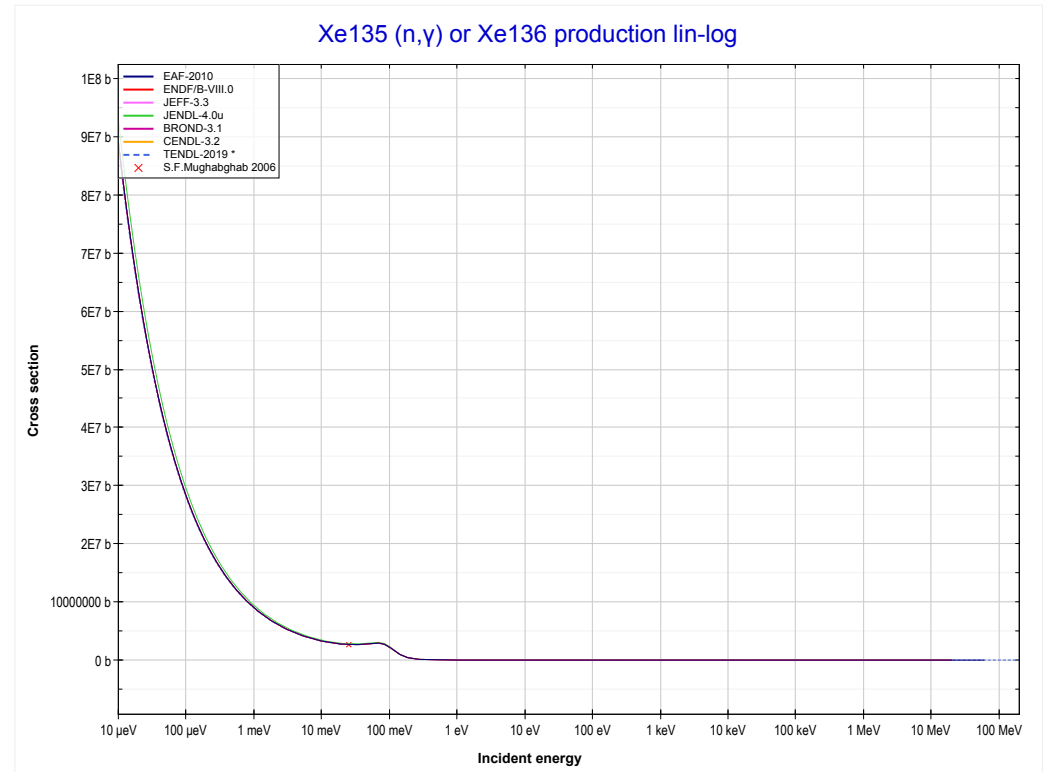
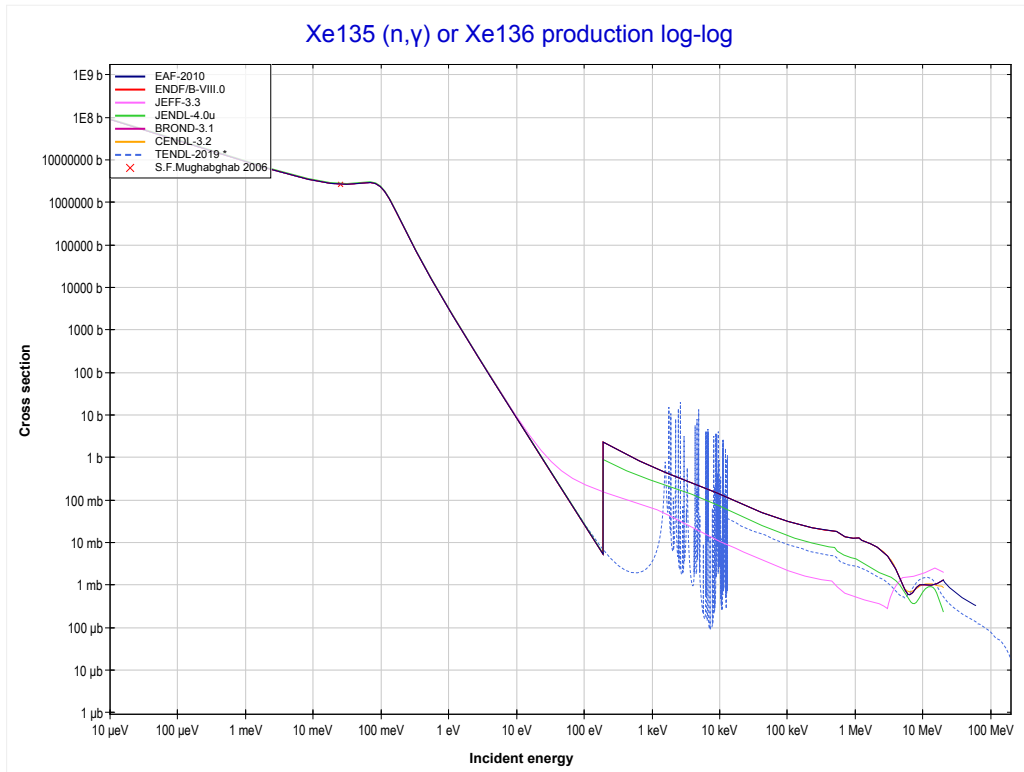
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.264821 b | 0.264629 b | 0.26458 b | 0.99983 | 0.428162 b | 0.00881771 b | 7.731E-4 b |
| ENDF/B-VIII.0 | 0.264865 b | 0.264865 b | 0.26491 b | 1.00018 | 0.427716 b | 0.00881669 b | 7.731E-4 b |
| JEFF-3.3 | 0.264865 b | 0.264865 b | 0.26491 b | 1.00018 | 0.427716 b | 0.00881669 b | 7.731E-4 b |
| JENDL-4.0u | 0.265047 b | 0.265047 b | 0.2651 b | 1.00019 | 0.567586 b | 0.00551758 b | 9.002E-4 b |
| BROND-3.1 | 0.264865 b | 0.264865 b | 0.26491 b | 1.00018 | 0.427716 b | 0.00881669 b | 7.731E-4 b |
| CENDL-3.2 | 0.264815 b | 0.264815 b | 0.26476 b | 0.99981 | 0.427441 b | 0.00881733 b | 7.731E-4 b |
| TENDL-2019 | 0.263954 b | 0.263954 b | 0.26391 b | 0.99982 | 0.454969 b | 0.00746747 b | 0.00179303 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 53-I-129 | 54-Xe-135 | 55-Cs-133 >> |
| << 54-Xe-134 MT102 (n, γ) | MT1 (n,total) | MT102 (n, γ) >> |



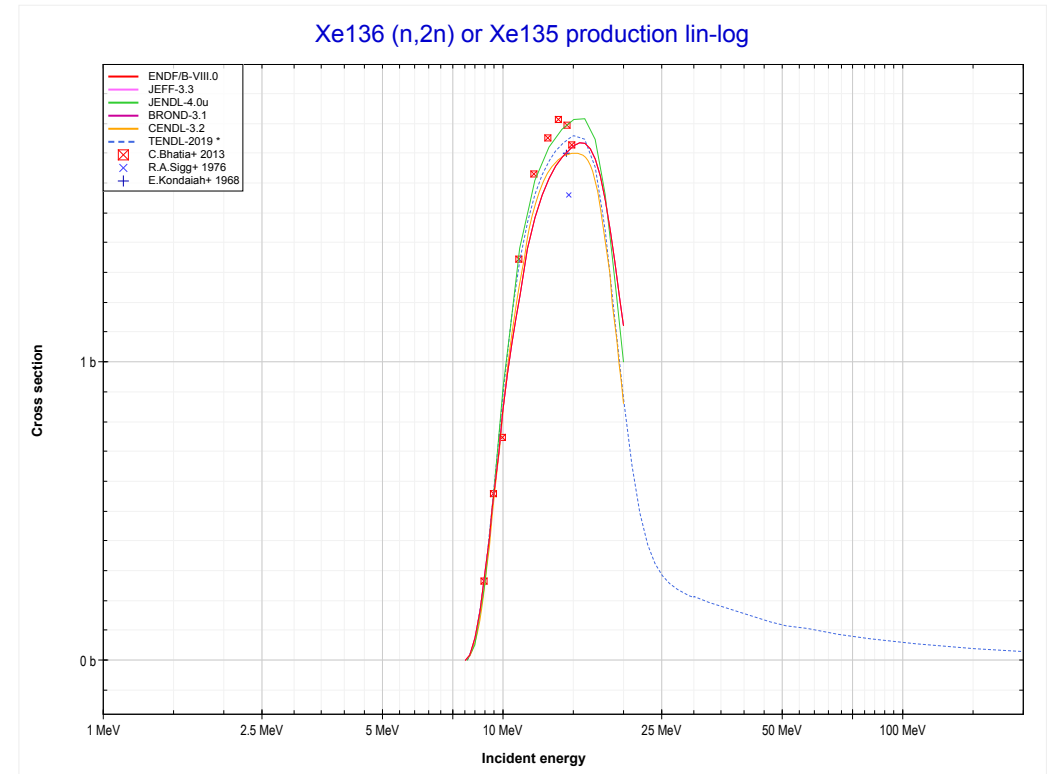
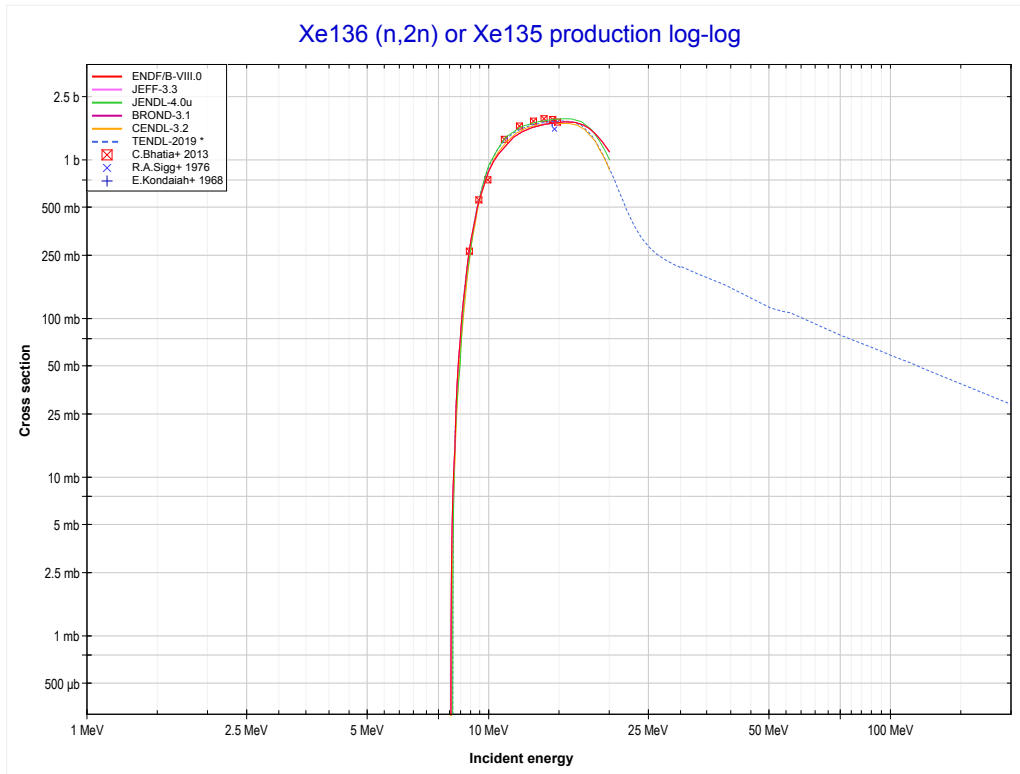
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2964430 b | 2964430 b | 3523000 b | 1.18843 | 12664.2 b | 5.88111 b | 4.97633 b |
| JEFF-3.3 | 2952280 b | 2952280 b | 3502200 b | 1.18627 | 12877.7 b | 5.81838 b | 4.67119 b |
| JENDL-4.0u | 3110250 b | 3110250 b | 3700200 b | 1.18969 | 13503.4 b | 5.90922 b | 4.90653 b |
| BROND-3.1 | 2964430 b | 2964430 b | 3523000 b | 1.18843 | 12664.2 b | 5.88111 b | 4.97633 b |
| CENDL-3.2 | 2963570 b | 2963570 b | 3522600 b | 1.18862 | 12625.3 b | 5.93525 b | 4.85511 b |
| TENDL-2019 | 2932450 b | 2932450 b | 3487800 b | 1.18938 | 12525.1 b | 5.75699 b | 4.83641 b |

| | | |
|------------------|--|--------------------------|
| << 54-Xe-134 | 54-Xe-135 | 54-Xe-136 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Xe136 production) | 54-Xe-136 MT16 (n,2n) >> |



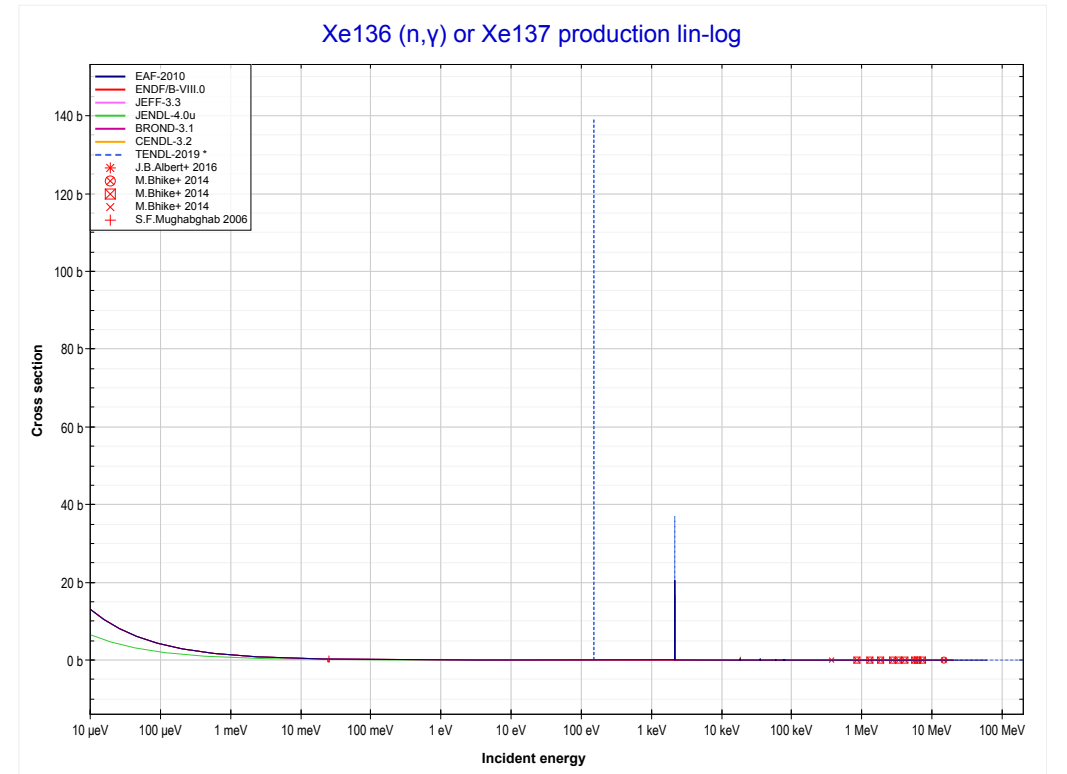
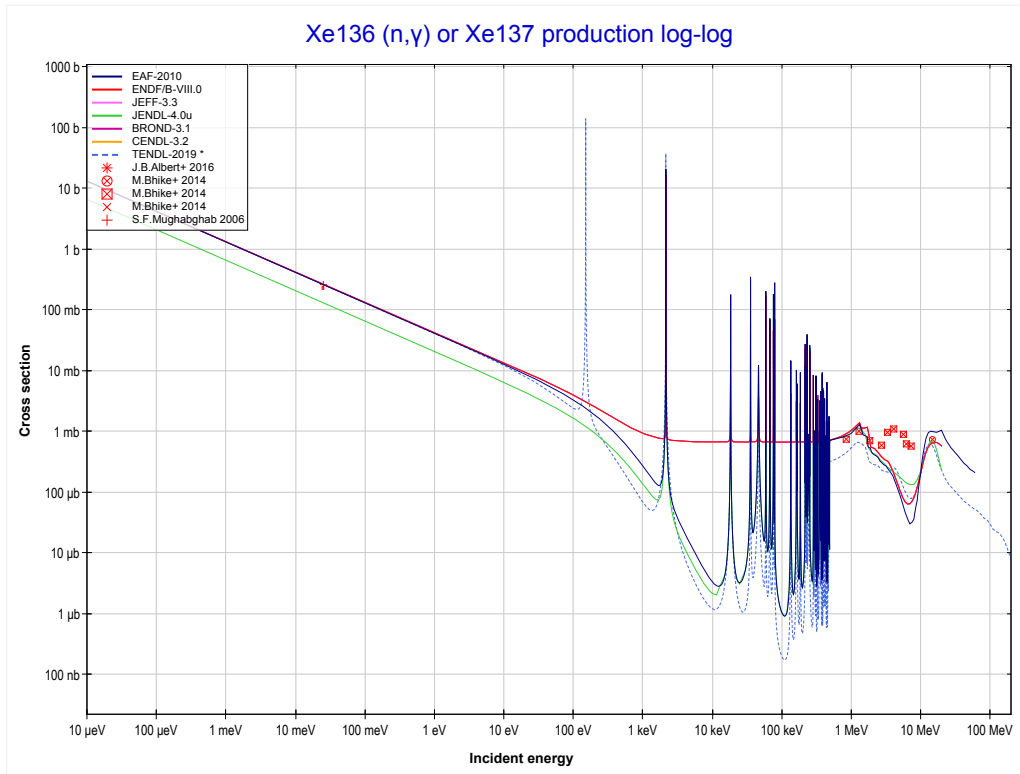
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2666530 b | 2666280 b | 3088000 b | 1.15894 | 7601.6 b | 0.0105582 b | 0.00100013 b |
| ENDF/B-VIII.0 | 2664950 b | 2664950 b | 3089100 b | 1.15915 | 7621.54 b | 0.0105582 b | 0.00100013 b |
| JEFF-3.3 | 2652680 b | 2652680 b | 3069000 b | 1.15694 | 7663.59 b | 7.62715E-4 b | 0.002382 b |
| JENDL-4.0u | 2778080 b | 2778080 b | 3219300 b | 1.15881 | 7937.04 b | 0.00384613 b | 8.89E-4 b |
| BROND-3.1 | 2664950 b | 2664950 b | 3089100 b | 1.15915 | 7621.54 b | 0.0105582 b | 0.00100013 b |
| CENDL-3.2 | 2664120 b | 2664120 b | 3088500 b | 1.1593 | 7594.38 b | 0.0106356 b | 0.00105044 b |
| TENDL-2019 | 2639170 b | 2639170 b | 3062000 b | 1.16021 | 7514.47 b | 0.0025882 b | 0.00133159 b |

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|-----------------------------------|--|-------------------------|
| << 54-Xe-134 | 54-Xe-136 | 55-Cs-133 >> |
| << 54-Xe-135 MT102 (n, γ) | MT16 (n,2n) or MT5 (Xe135 production) | MT102 (n, γ) >> |



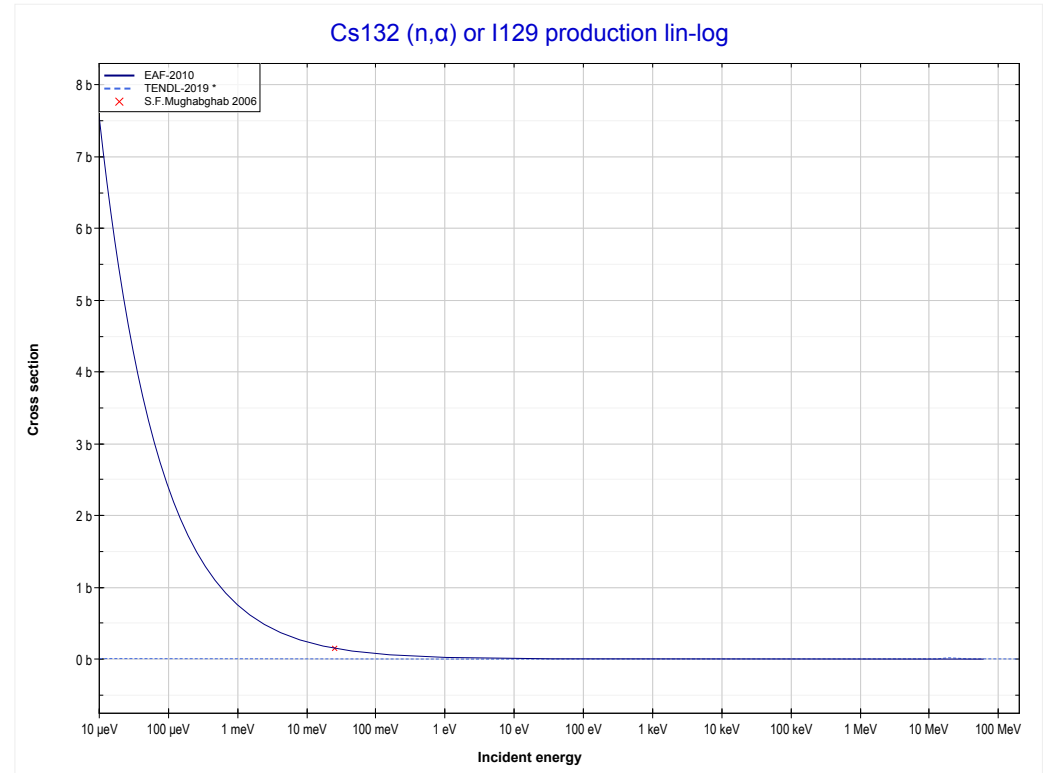
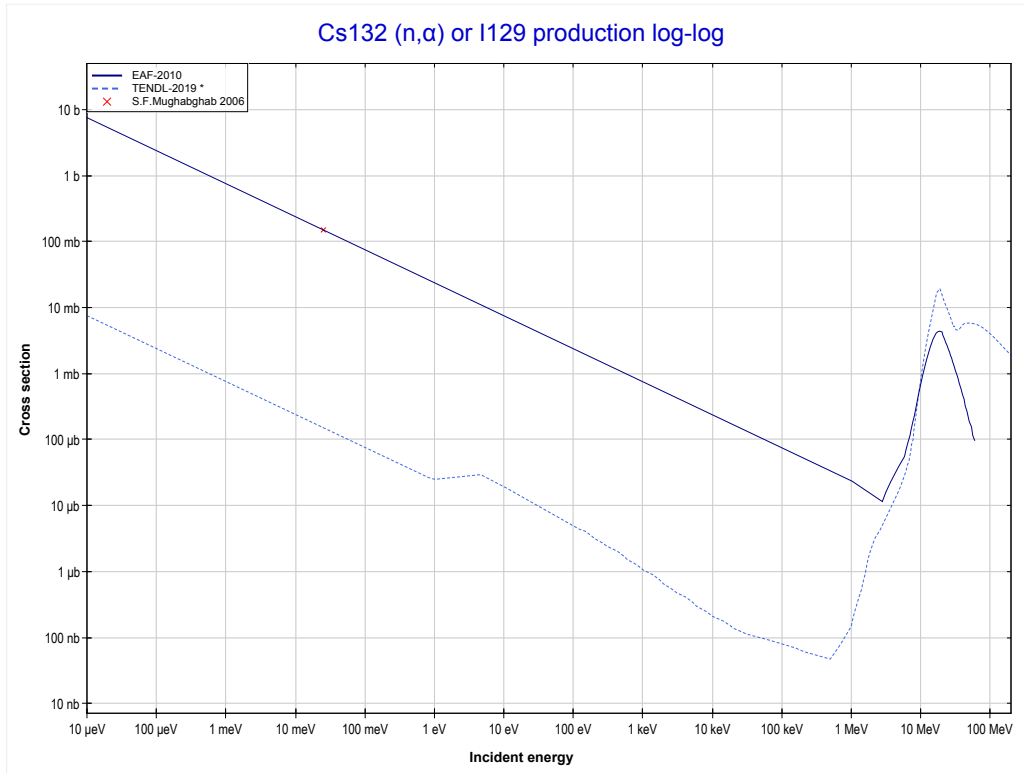
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00384872 b | 1.68451 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00384872 b | 1.68451 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0040432 b | 1.779 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00384872 b | 1.68451 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00379872 b | 1.68675 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00403674 b | 1.72917 b |

| | | |
|----------------|--|-----------------------------------|
| << 54-Xe-135 | 54-Xe-136 | 55-Cs-133 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Xe137 production) | 55-Cs-132 MT107 (n, α) >> |



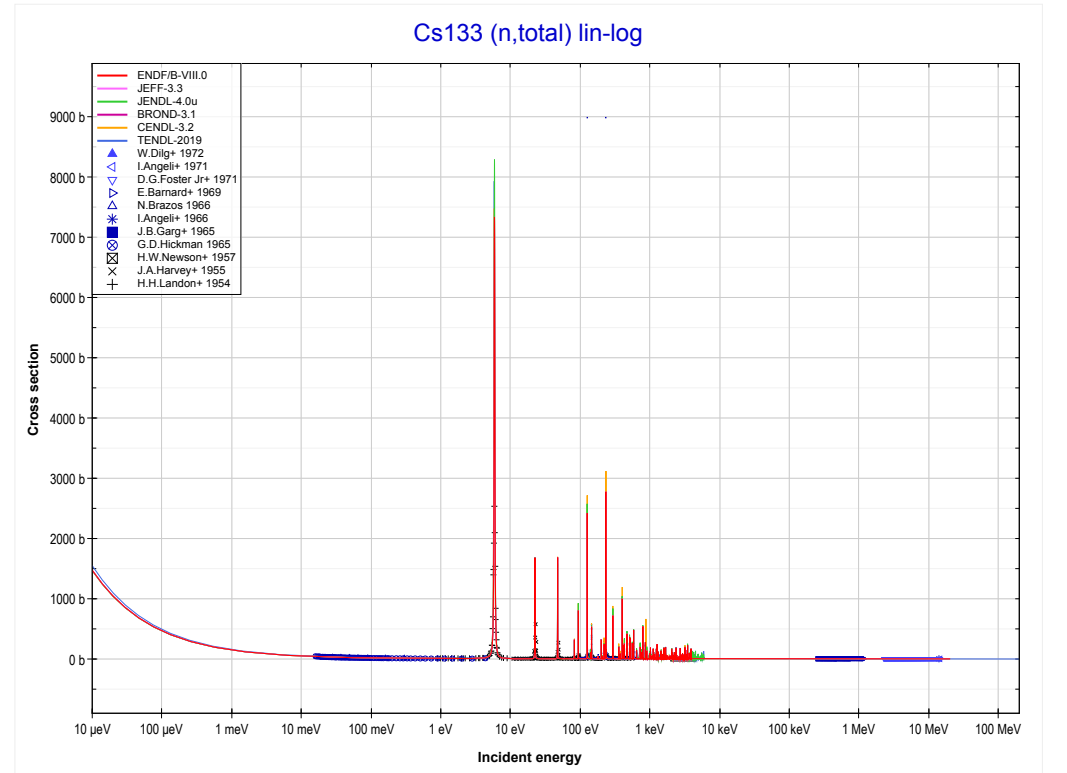
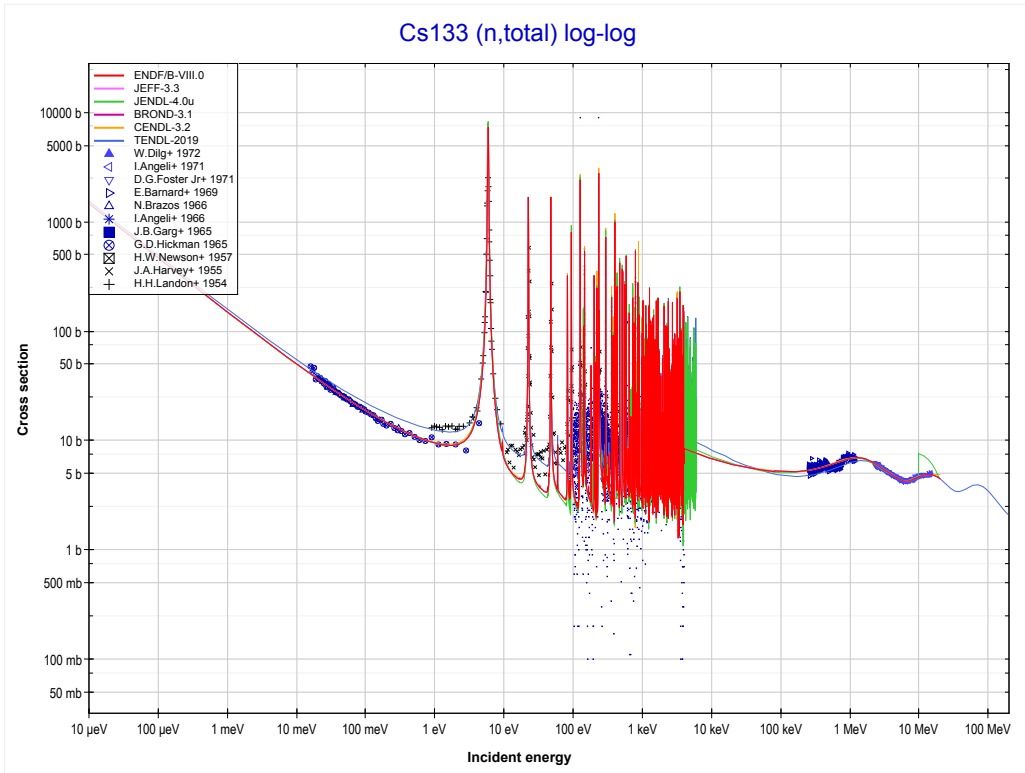
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.260249 b | 0.260054 b | 0.26001 b | 0.99982 | 0.138832 b | 5.37029E-4 b | 0.00100007 b |
| ENDF/B-VIII.0 | 0.26073 b | 0.26073 b | 0.26091 b | 1.0007 | 0.137393 b | 6.88498E-4 b | 6.2322E-4 b |
| JEFF-3.3 | 0.26073 b | 0.26073 b | 0.26091 b | 1.0007 | 0.137393 b | 6.88498E-4 b | 6.2322E-4 b |
| JENDL-4.0u | 0.130033 b | 0.130033 b | 0.13008 b | 1.00038 | 0.0837213 b | 5.53761E-4 b | 6.811E-4 b |
| BROND-3.1 | 0.26073 b | 0.26073 b | 0.26091 b | 1.0007 | 0.137393 b | 6.88498E-4 b | 6.2322E-4 b |
| CENDL-3.2 | 0.260663 b | 0.260663 b | 0.26076 b | 1.00036 | 0.137187 b | 6.88529E-4 b | 6.2322E-4 b |
| TENDL-2019 | 0.260062 b | 0.260062 b | 0.26005 b | 0.99996 | 0.746079 b | 3.27392E-4 b | 6.20623E-4 b |

| | | |
|-----------------------------------|---|----------------------------|
| << 54-Xe-127 | 55-Cs-132 | 55-Cs-133 >> |
| << 54-Xe-136 MT102 (n, γ) | MT107 (n,α) or MT5 (I129 production) | 55-Cs-133 MT1 (n,total) >> |



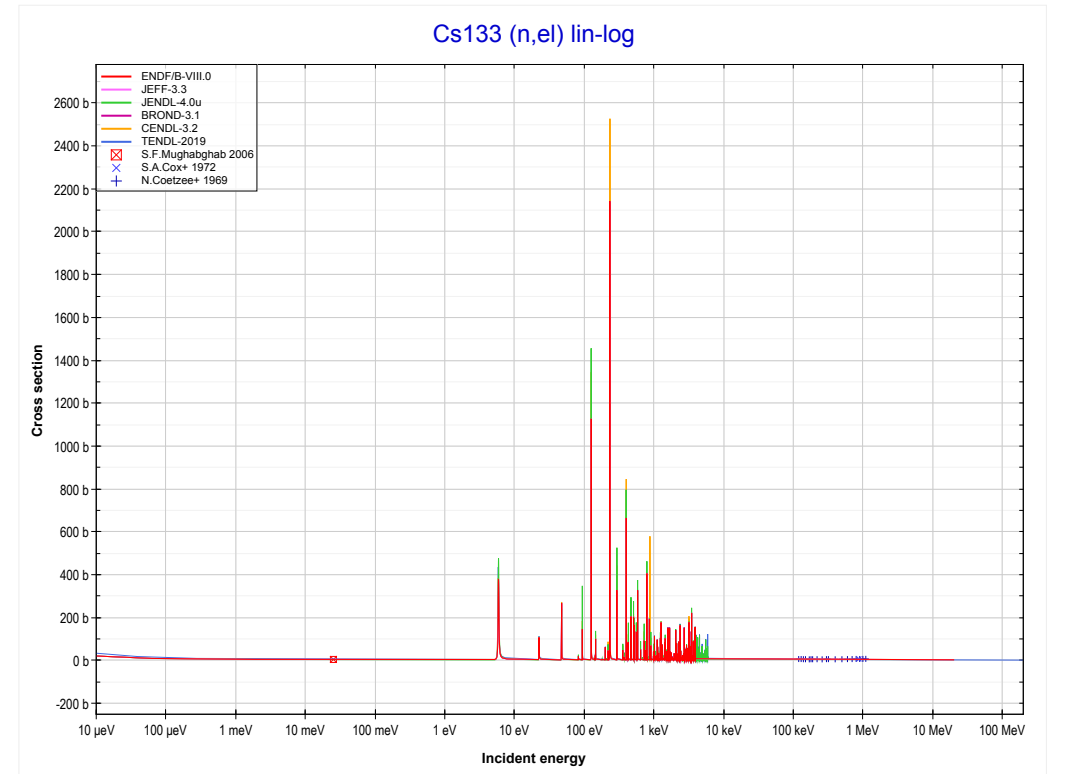
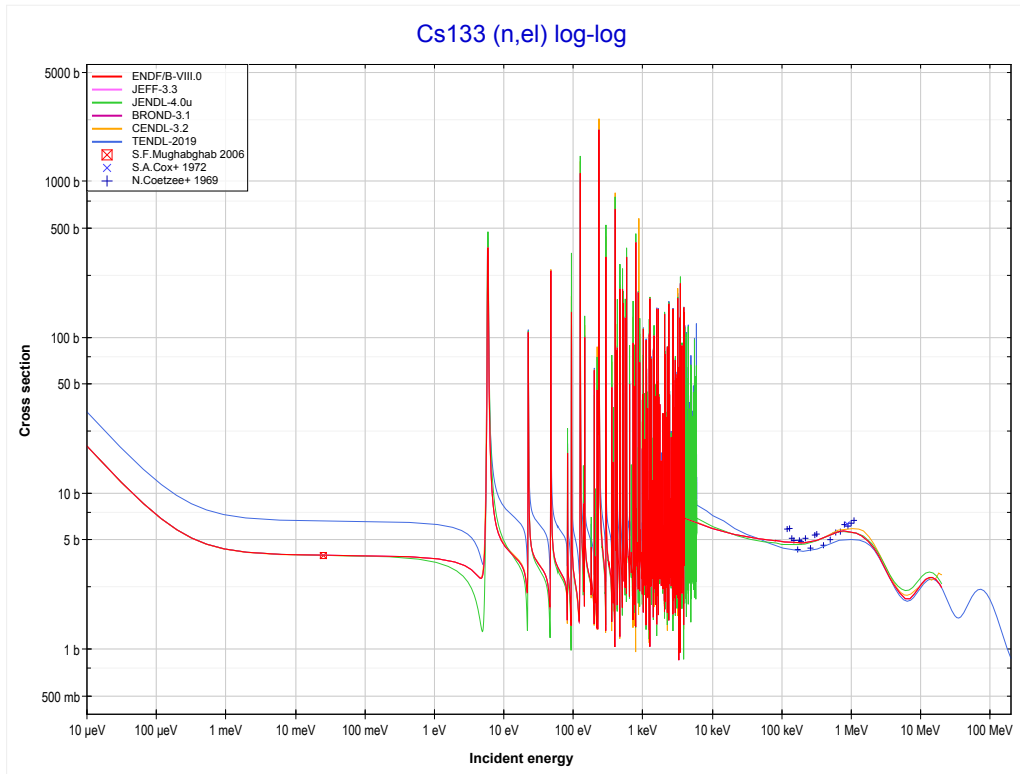
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.15 b | 0.149888 b | 0.14989 b | 1.00001 | 0.0673431 b | 3.22647E-5 b | 0.00265495 b |
| TENDL-2019 | 1.49979E-4 b | 1.49979E-4 b | 1.499E-4 b | 0.99948 | 1.11779E-4 b | 1.11069E-5 b | 0.00623487 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 54-Xe-135 | 55-Cs-133 | 55-Cs-135 >> |
| << 55-Cs-132 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



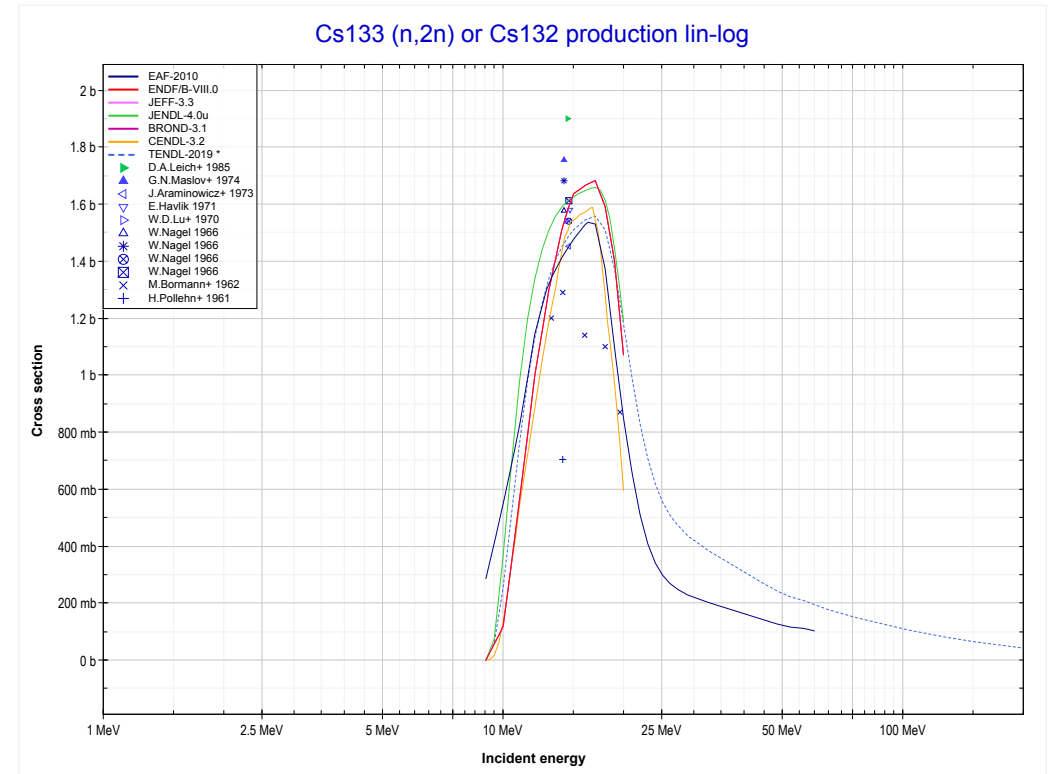
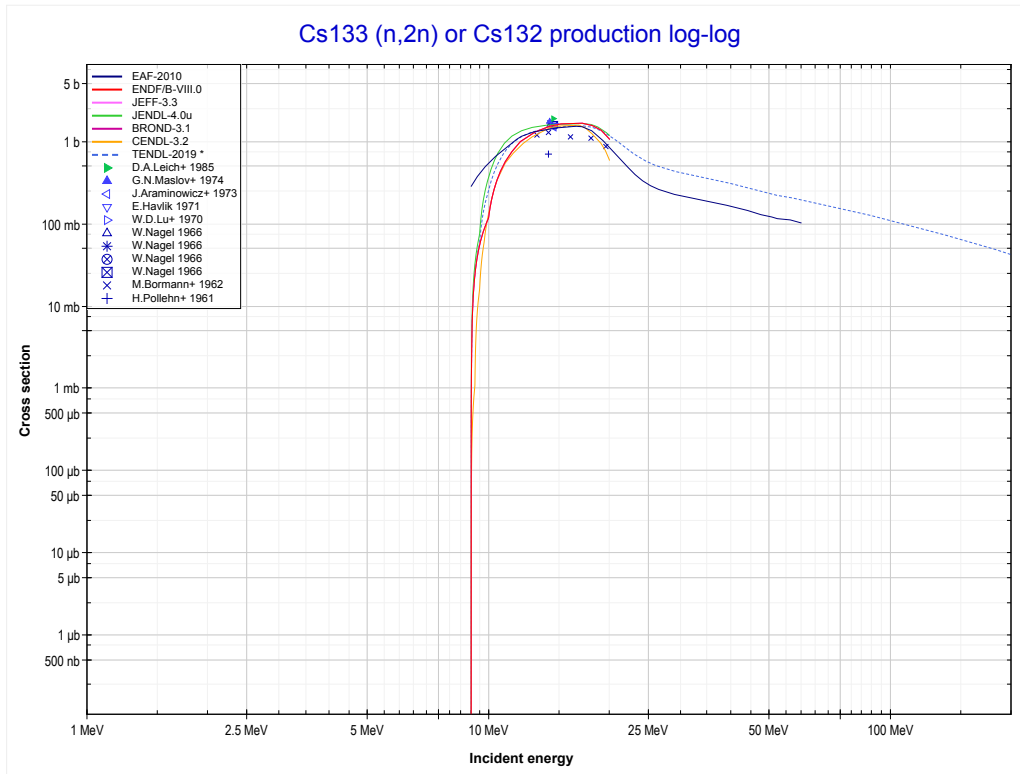
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 33.0395 b | 33.0395 b | 33.62 b | 1.01758 | 510.475 b | 6.00029 b | 4.90414 b |
| JEFF-3.3 | 33.0395 b | 33.0395 b | 33.62 b | 1.01758 | 510.475 b | 6.00029 b | 4.90414 b |
| JENDL-4.0u | 32.8845 b | 32.8845 b | 33.47 b | 1.01781 | 559.546 b | 5.94801 b | 6.58188 b |
| BROND-3.1 | 33.0395 b | 33.0395 b | 33.62 b | 1.01758 | 510.475 b | 6.00029 b | 4.90414 b |
| CENDL-3.2 | 32.9686 b | 32.9686 b | 33.549 b | 1.01762 | 534.526 b | 6.05955 b | 4.887 b |
| TENDL-2019 | 36.9612 b | 36.9612 b | 37.883 b | 1.02493 | 571.896 b | 5.73165 b | 4.83359 b |

| | | |
|------------------|------------------------|----------------|
| << 53-I-127 | 55-Cs-133 | 56-Ba-132 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



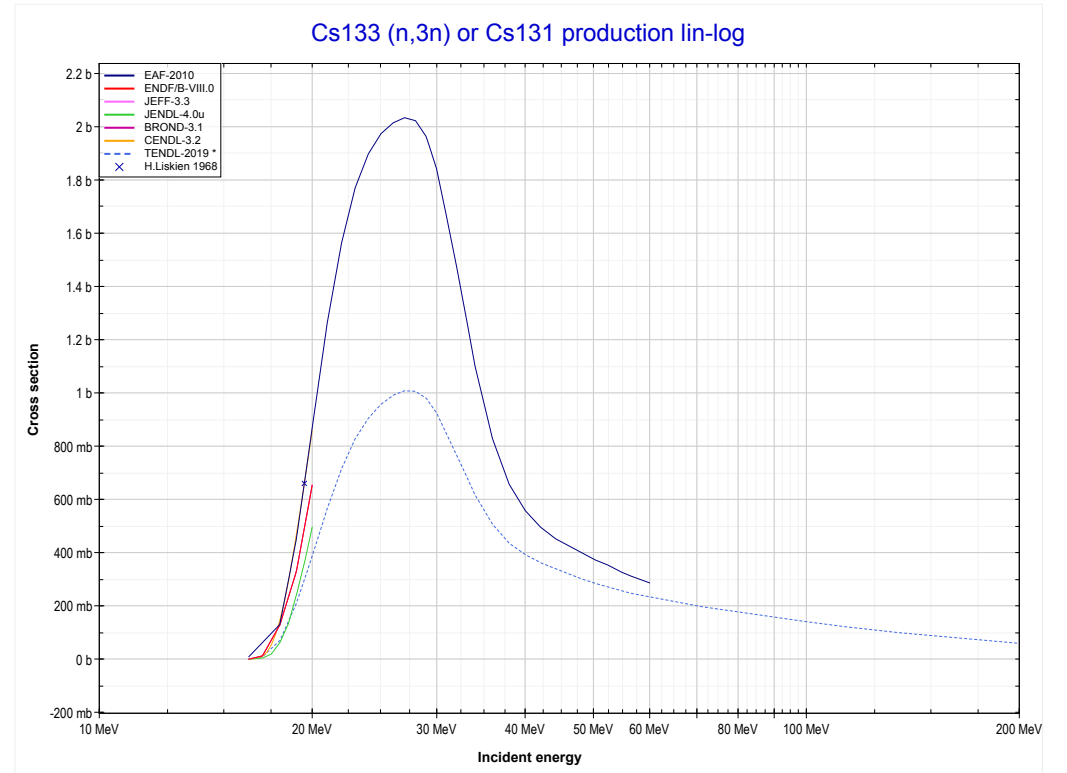
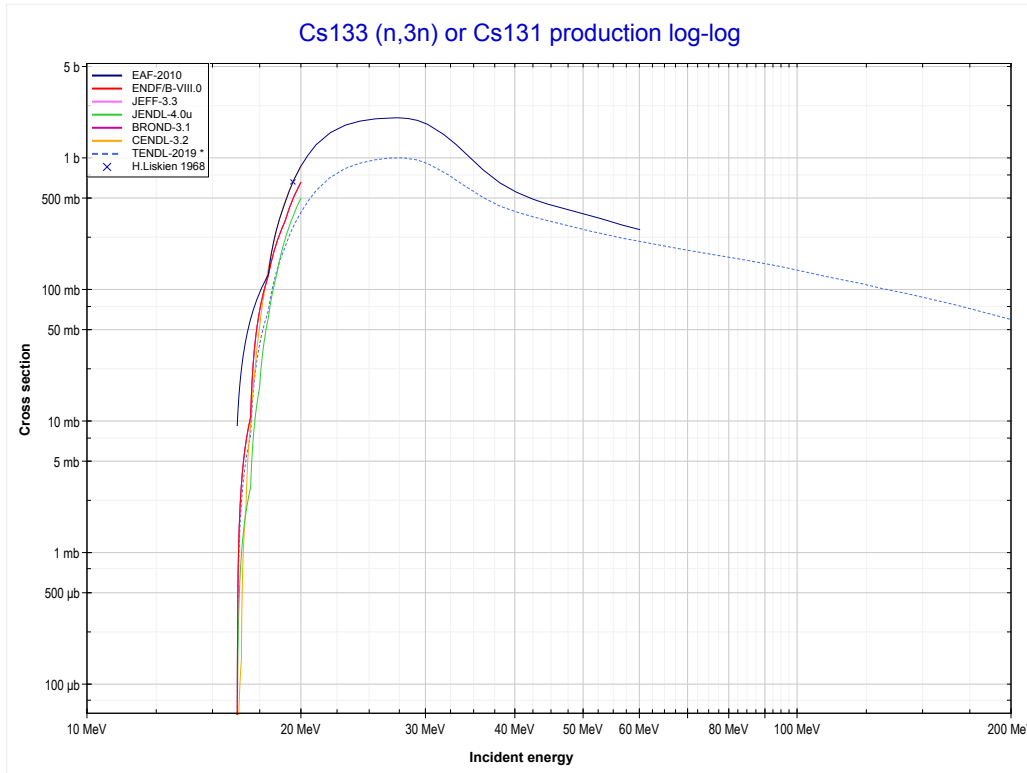
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.98607 b | 3.98607 b | 4.4931 b | 1.1272 | 105.286 b | 4.48283 b | 2.8807 b |
| JEFF-3.3 | 3.98607 b | 3.98607 b | 4.4931 b | 1.1272 | 105.286 b | 4.48283 b | 2.8807 b |
| JENDL-4.0u | 3.98479 b | 3.98479 b | 4.4859 b | 1.12576 | 113.56 b | 4.54475 b | 3.10969 b |
| BROND-3.1 | 3.98607 b | 3.98607 b | 4.4931 b | 1.1272 | 105.286 b | 4.48283 b | 2.8807 b |
| CENDL-3.2 | 3.97061 b | 3.97061 b | 4.4762 b | 1.12734 | 113.911 b | 4.68935 b | 2.77988 b |
| TENDL-2019 | 6.60753 b | 6.60753 b | 7.4489 b | 1.12734 | 133.2 b | 4.1696 b | 2.80472 b |

| | | |
|--------------------|--|----------------|
| << 54-Xe-136 | 55-Cs-133 | 56-Ba-130 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Cs132 production) | MT17 (n,3n) >> |



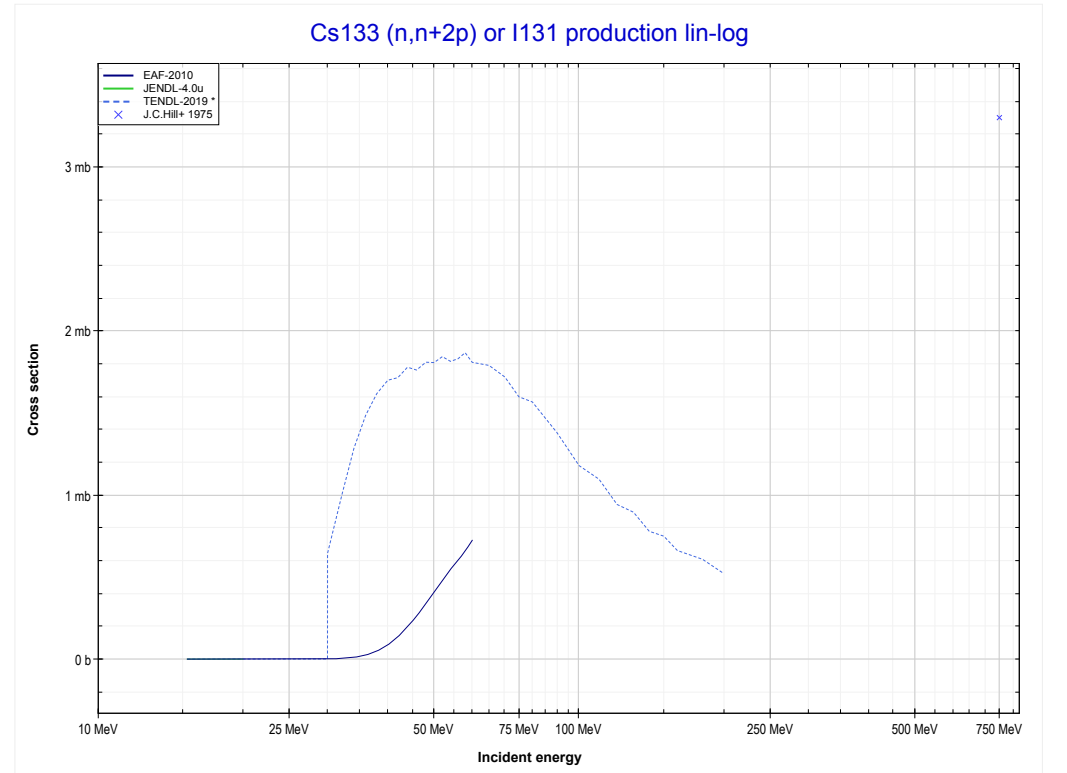
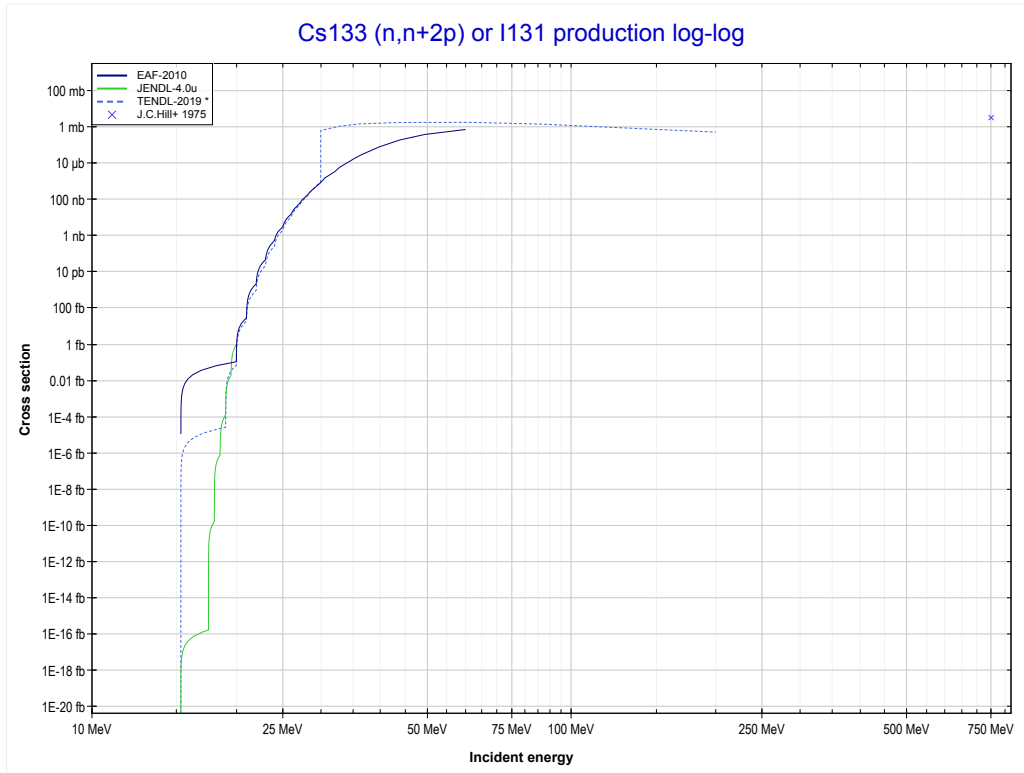
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00203236 b | 1.41032 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0014248 b | 1.50613 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0014248 b | 1.50613 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00216016 b | 1.58887 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0014248 b | 1.50613 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00129819 b | 1.4273 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00174896 b | 1.44818 b |

| | | |
|----------------|--|------------------|
| << 53-I-127 | 55-Cs-133 | 59-Pr-141 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Cs131 production) | MT44 (n,n+2p) >> |



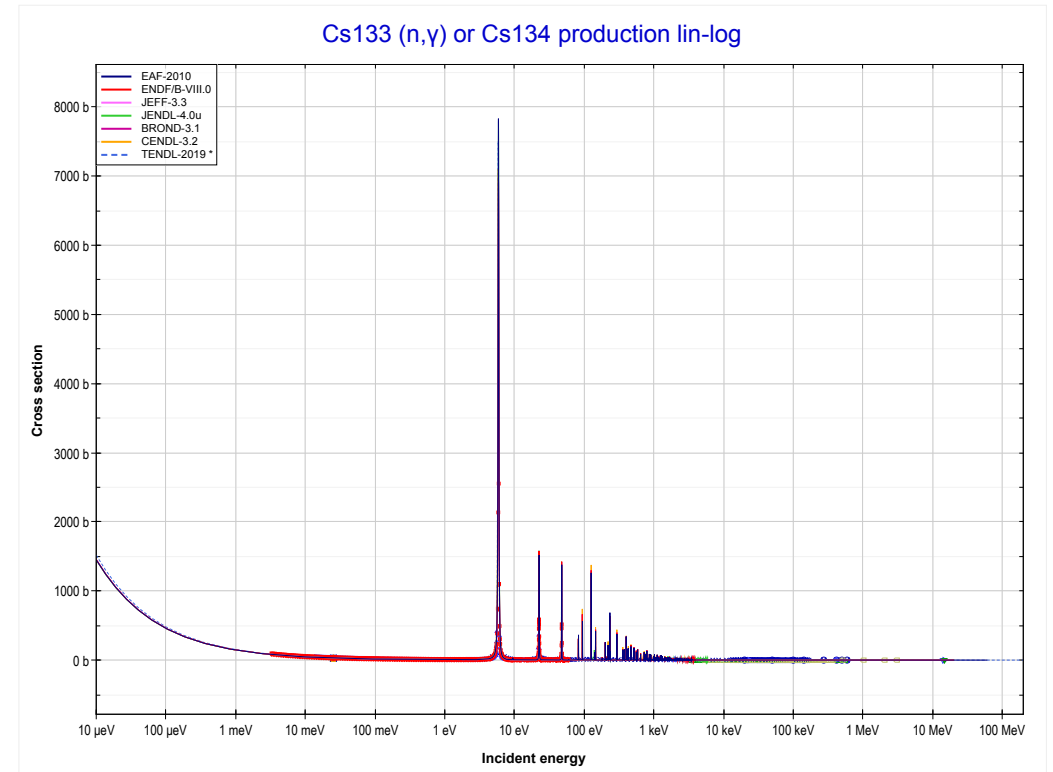
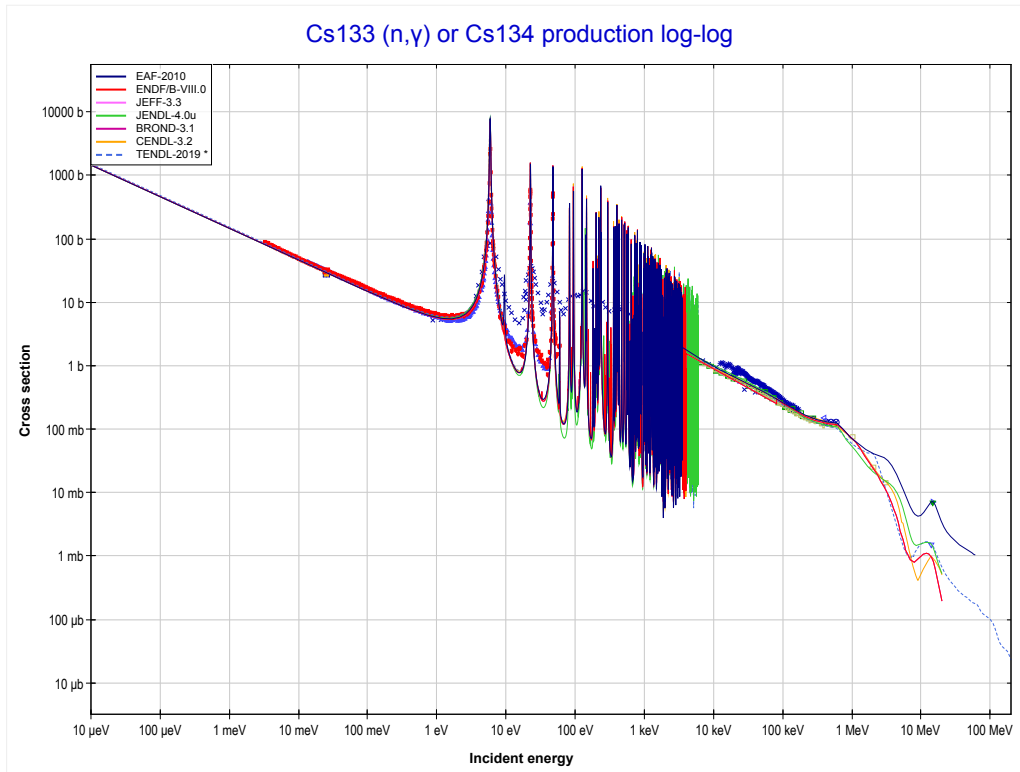
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92853E-6 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07631E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07631E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.23074E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07631E-6 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47661E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24157E-6 b | 0 b |

| | | |
|----------------|---|-------------------------|
| << 53-I-127 | 55-Cs-133 | 57-La-139 >> |
| << MT17 (n,3n) | MT44 (n,n+2p) or MT5 (I131 production) | MT102 (n, γ) >> |



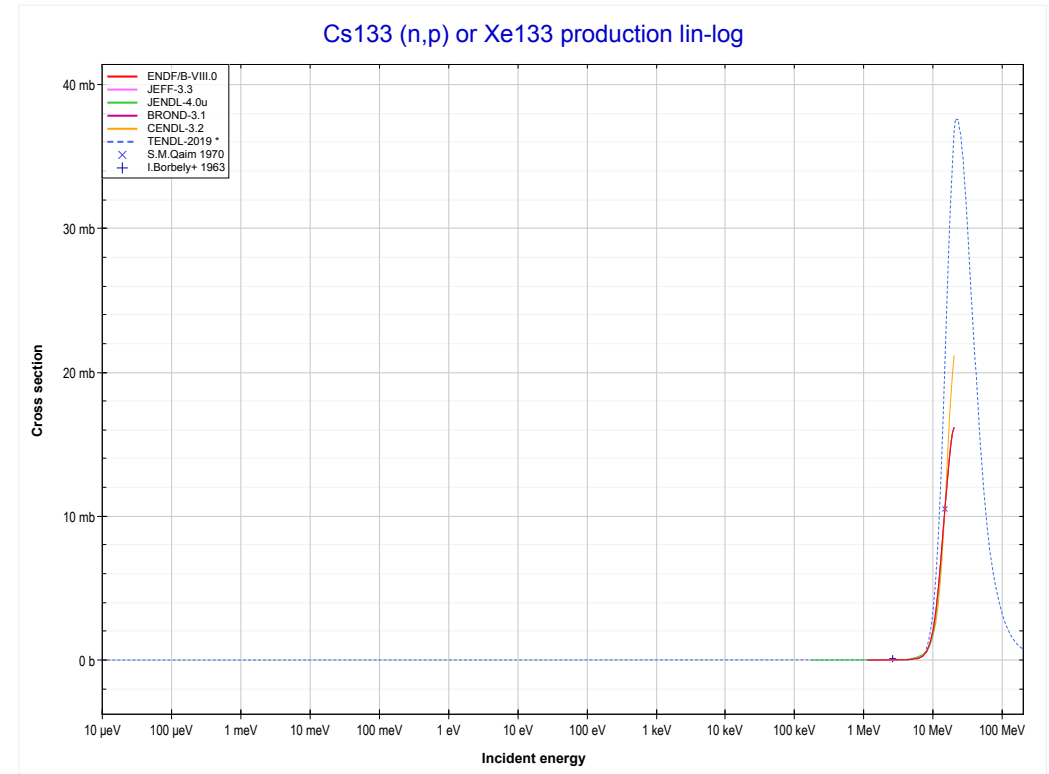
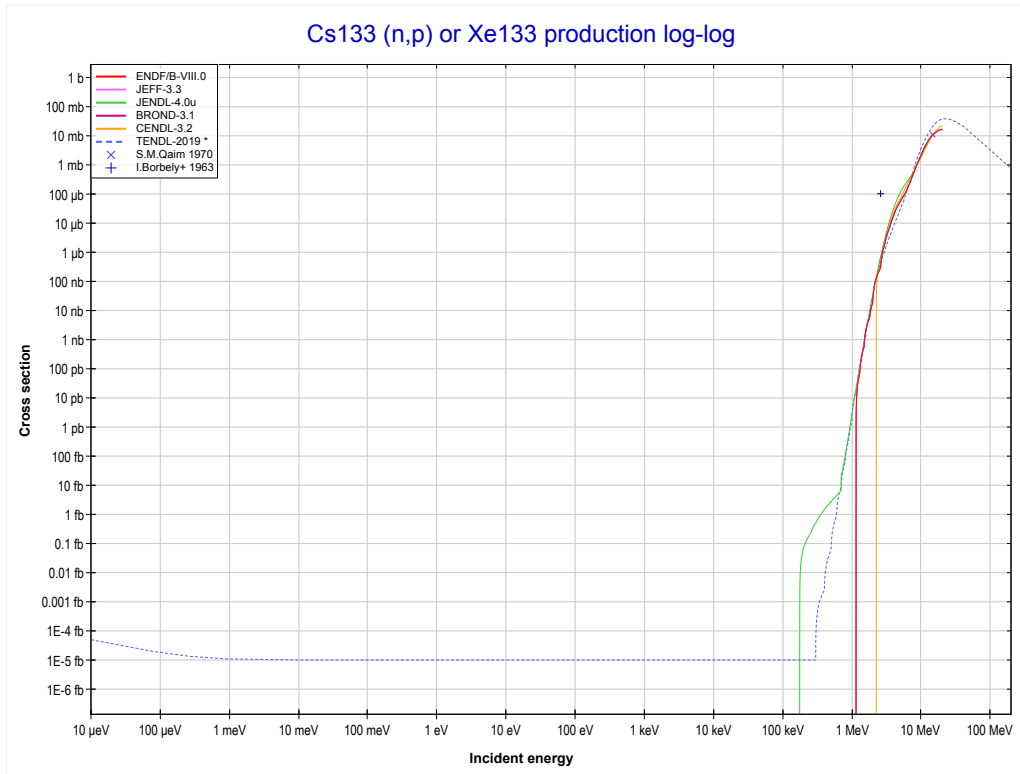
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.36197E-22 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.17266E-23 b | 0 b |

| | | |
|------------------|--|----------------|
| << 54-Xe-136 | 55-Cs-133 | 55-Cs-134 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Cs134 production) | MT103 (n,p) >> |



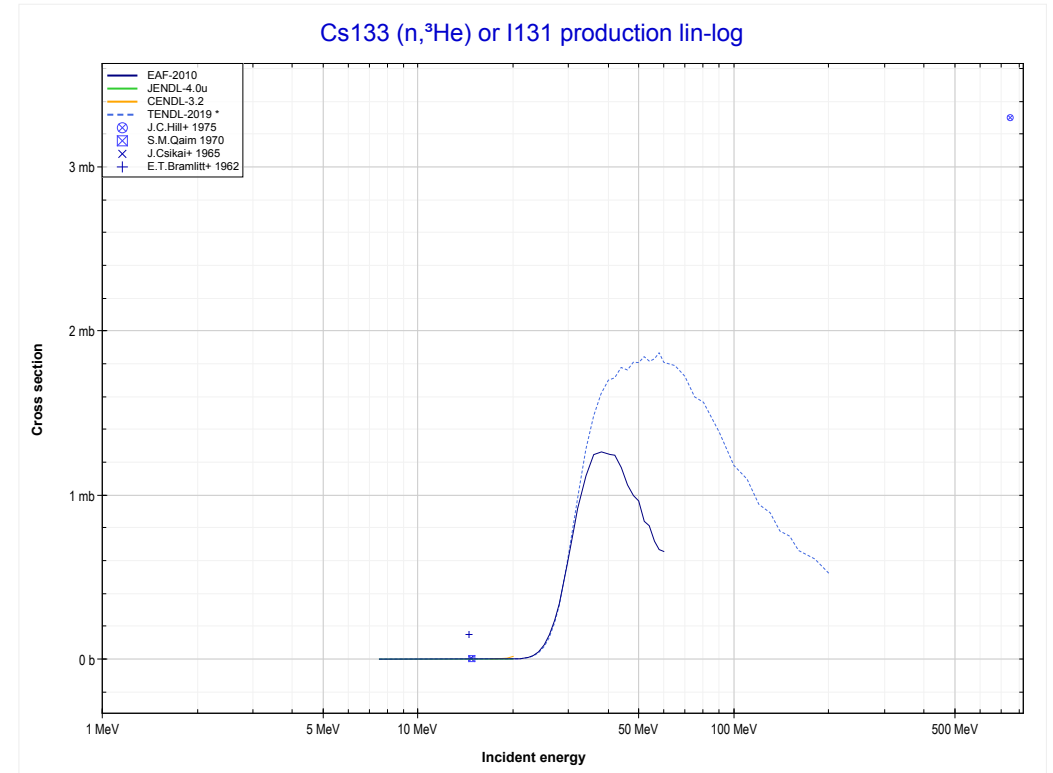
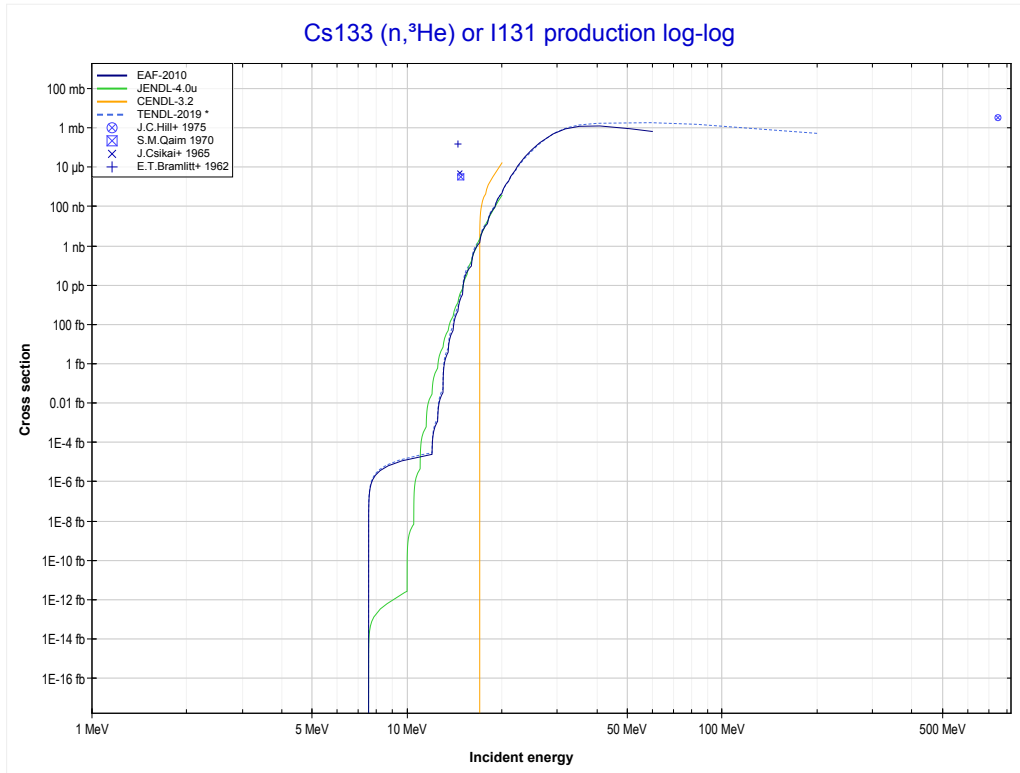
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 29 b | 28.9785 b | 29.043 b | 1.00225 | 436.868 b | 0.069593 b | 0.00713029 b |
| ENDF/B-VIII.0 | 29.0535 b | 29.0535 b | 29.127 b | 1.00254 | 405.179 b | 0.0579769 b | 9.80449E-4 b |
| JEFF-3.3 | 29.0535 b | 29.0535 b | 29.127 b | 1.00254 | 405.179 b | 0.0579769 b | 9.80449E-4 b |
| JENDL-4.0u | 28.8997 b | 28.8997 b | 28.984 b | 1.00293 | 445.971 b | 0.0532505 b | 0.00154082 b |
| BROND-3.1 | 29.0535 b | 29.0535 b | 29.127 b | 1.00254 | 405.179 b | 0.0579769 b | 9.80449E-4 b |
| CENDL-3.2 | 28.998 b | 28.998 b | 29.073 b | 1.00259 | 420.606 b | 0.0602661 b | 0.001 b |
| TENDL-2019 | 30.3537 b | 30.3537 b | 30.434 b | 1.00264 | 438.655 b | 0.0567308 b | 0.00157722 b |

| | | |
|-------------------------|--|------------------------------|
| << 54-Xe-131 | 55-Cs-133 | 56-Ba-132 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Xe133 production) | MT106 (n, ^3He) >> |



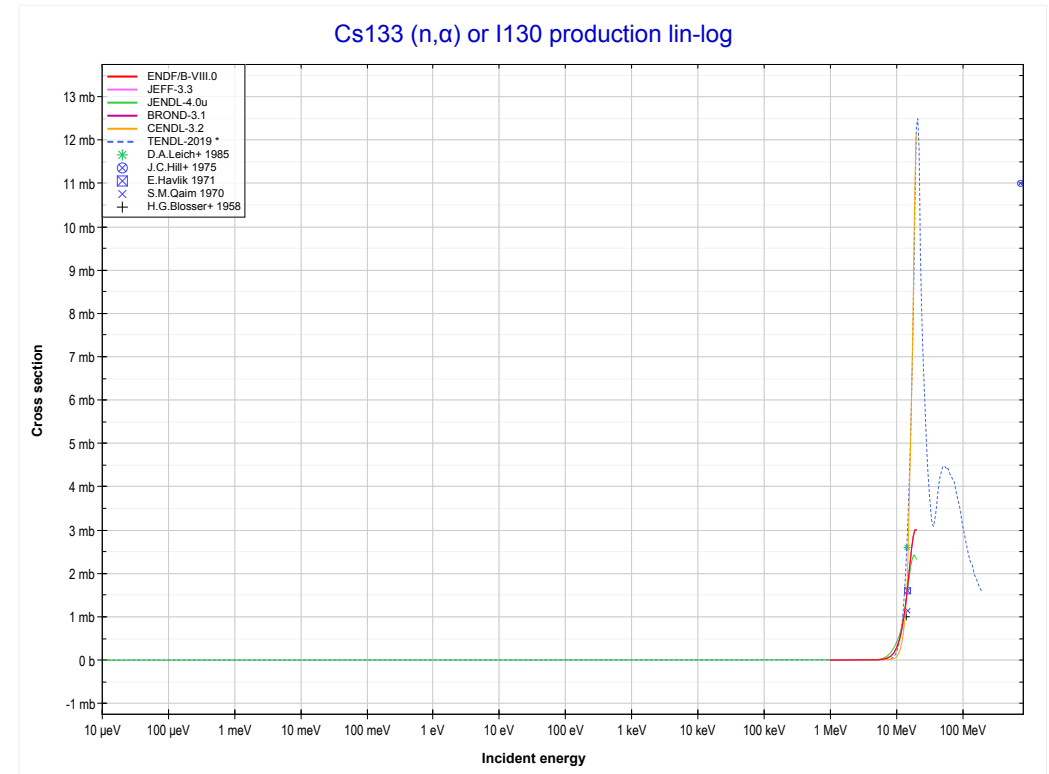
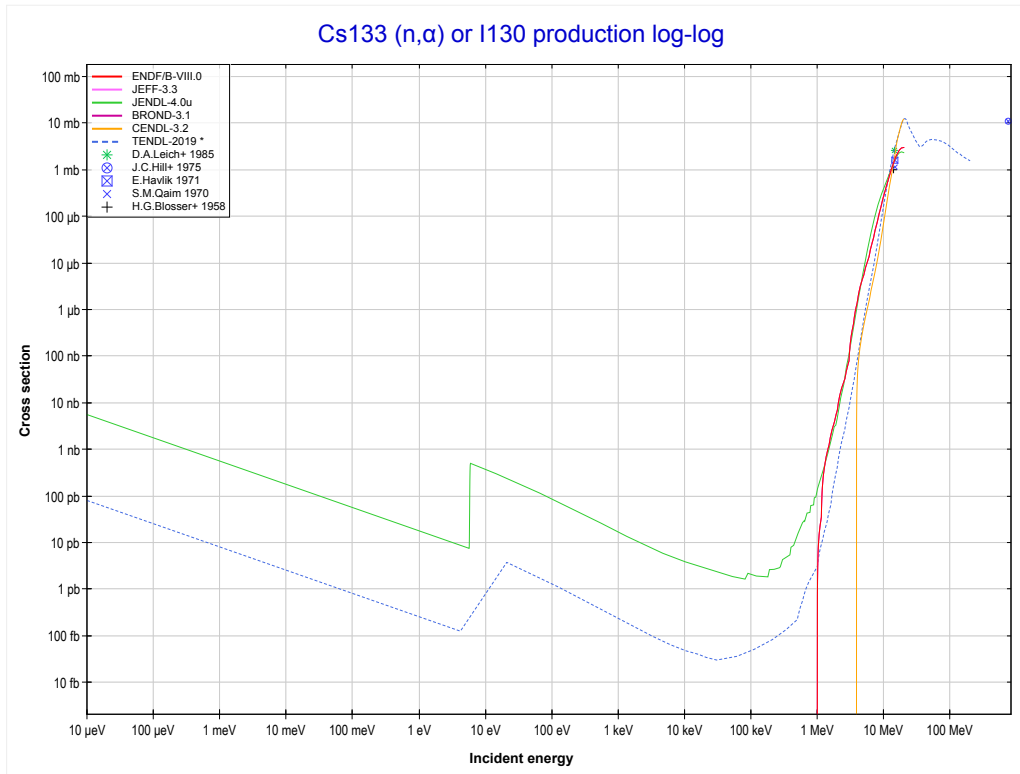
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55501E-5 b | 0.00919325 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55501E-5 b | 0.00919325 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.10561E-5 b | 0.00902394 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55501E-5 b | 0.00919325 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70656E-5 b | 0.0085456 b |
| TENDL-2019 | 1.0038E-20 b | 1.0038E-20 b | 1.1327E-20 b | 1.12843 | 1.22069E-19 b | 3.4391E-5 b | 0.0171535 b |

| | | |
|----------------|--|----------------|
| << 53-I-127 | 55-Cs-133 | 57-La-139 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (I131 production) | MT107 (n,α) >> |



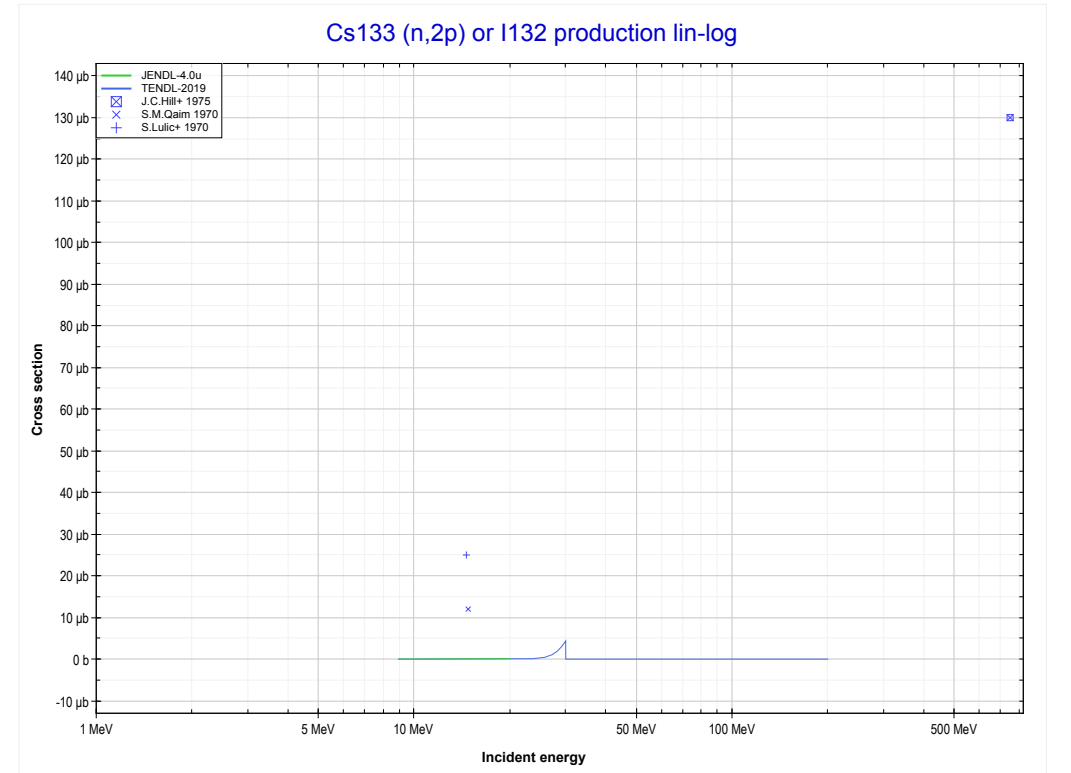
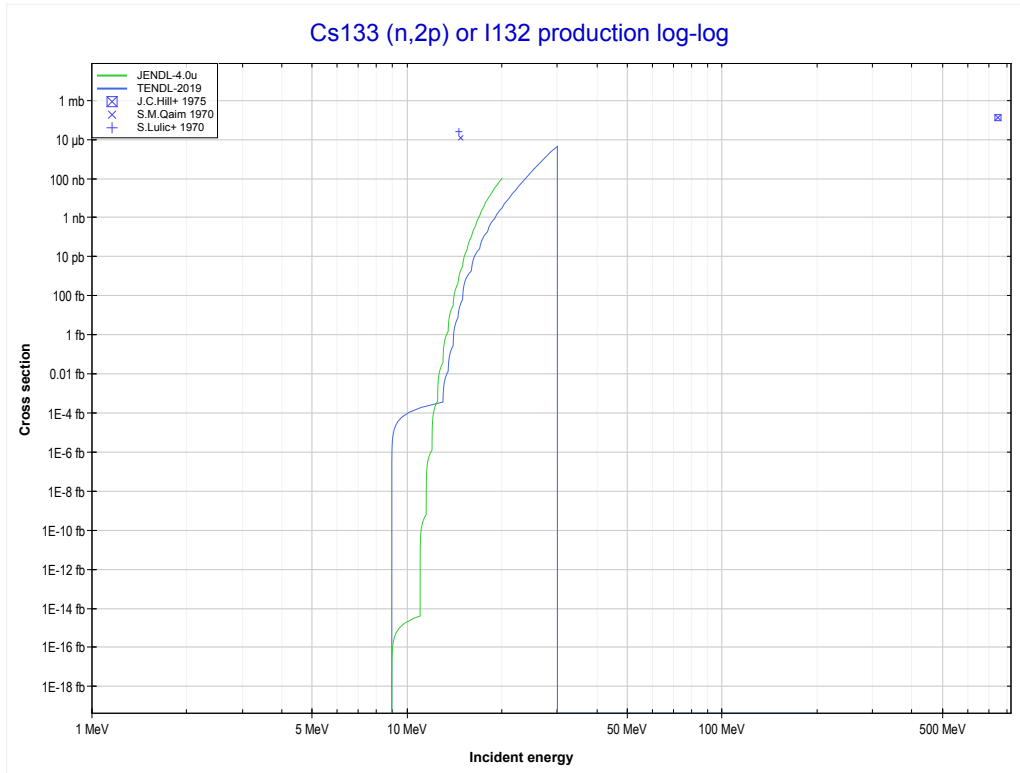
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.73618E-13 b | 5.00745E-14 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.60396E-13 b | 2.6272E-13 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58663E-11 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.45243E-13 b | 7.9265E-14 b |

| | | |
|-------------------------------|---|-----------------|
| << 55-Cs-132 | 55-Cs-133 | 56-Ba-134 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (I130 production) | MT111 (n,2p) >> |



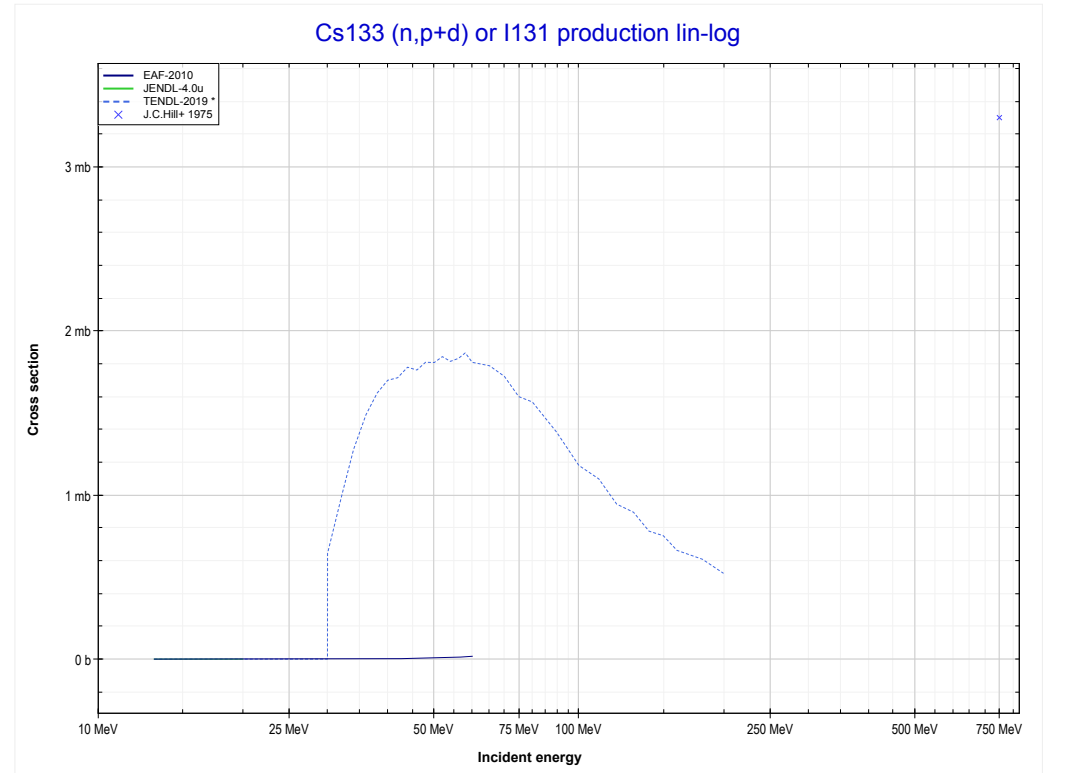
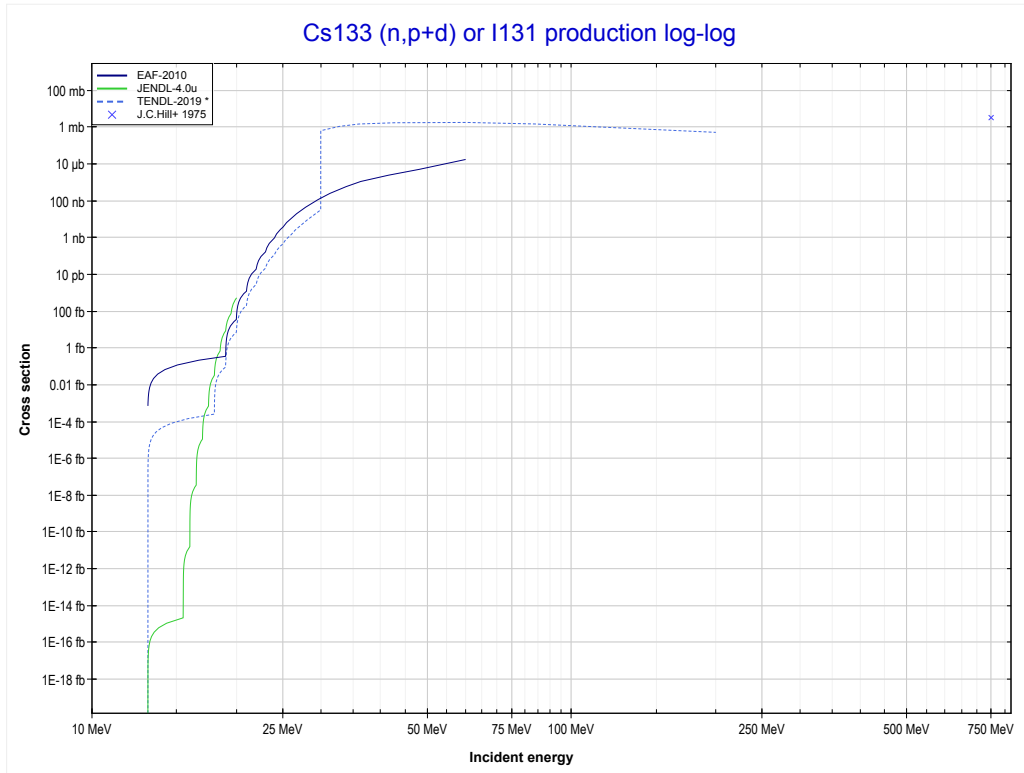
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27955E-6 b | 0.00136964 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27955E-6 b | 0.00136964 b |
| JENDL-4.0u | 1.1067E-10 b | 1.1067E-10 b | 1.1072E-10 b | 1.00043 | 8.55378E-10 b | 5.02977E-6 b | 0.00137779 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.27955E-6 b | 0.00136964 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17197E-6 b | 0.0013652 b |
| TENDL-2019 | 1.5942E-12 b | 1.5942E-12 b | 1.5935E-12 b | 0.99956 | 7.63836E-12 b | 2.09459E-6 b | 0.00226026 b |

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|-------------------------|--|------------------|
| << 53-I-127 | 55-Cs-133 | 57-La-139 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (I132 production) | MT115 (n,p+d) >> |



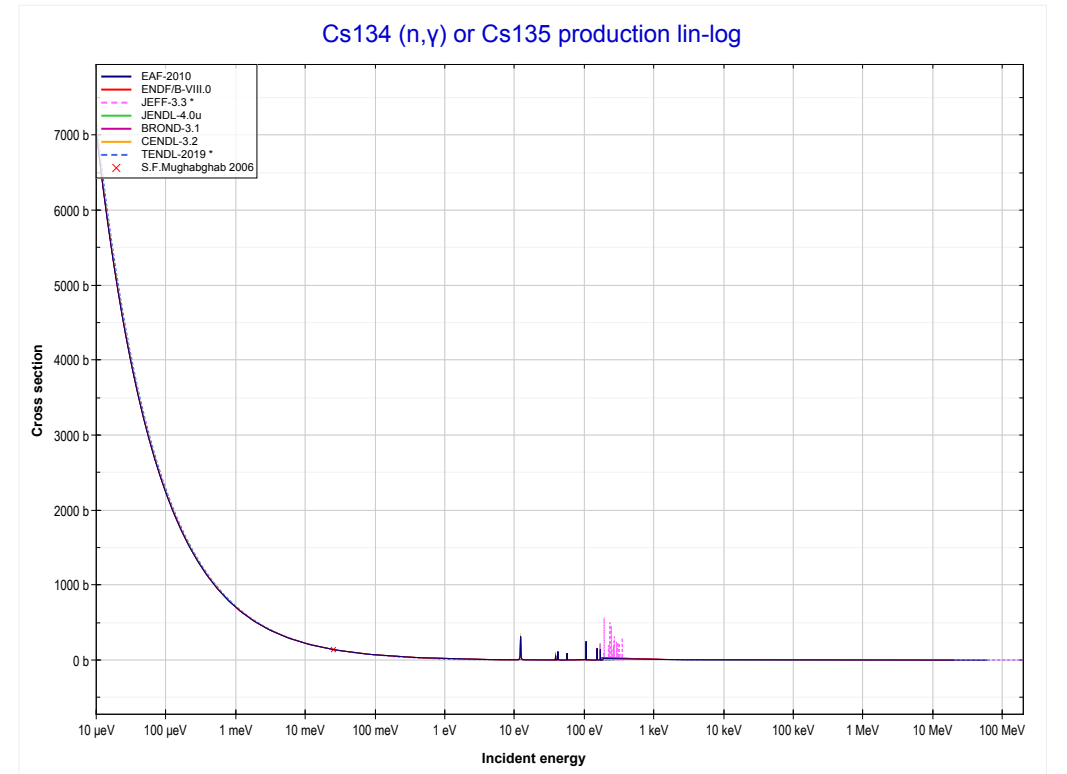
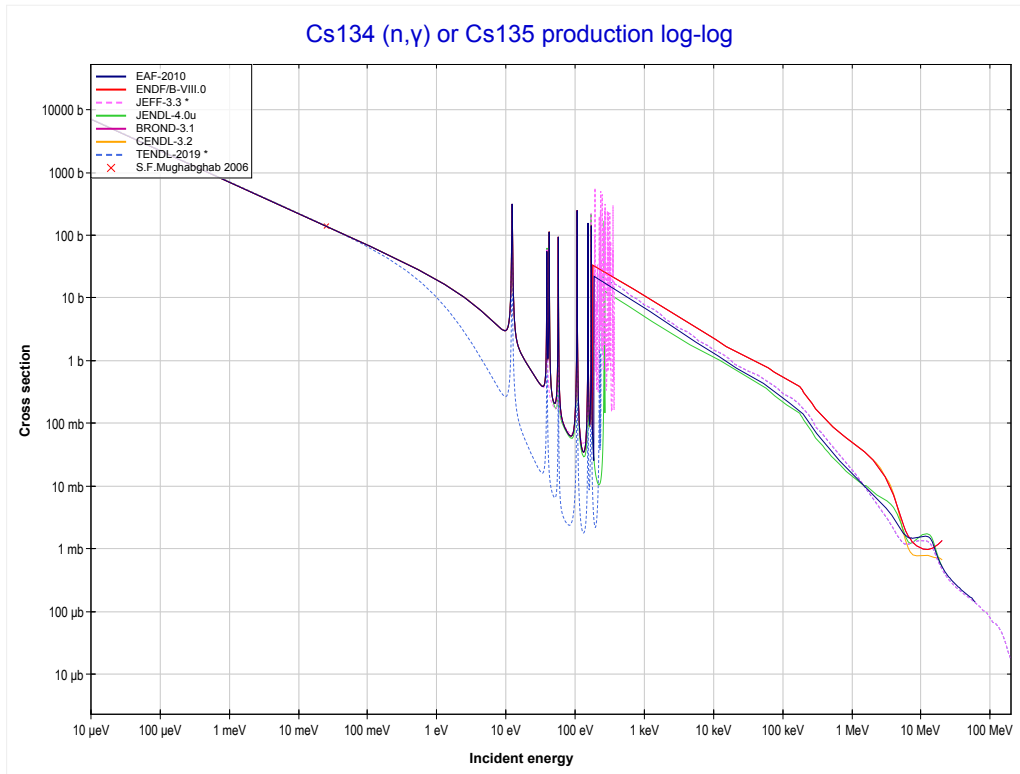
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.94979E-13 b | 3.1388E-14 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.93193E-15 b | 2.7673E-16 b |

| | | |
|-----------------|---|-----------------------------------|
| << 53-I-127 | 55-Cs-133 | 57-La-139 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (I131 production) | 55-Cs-134 MT102 (n, γ) >> |



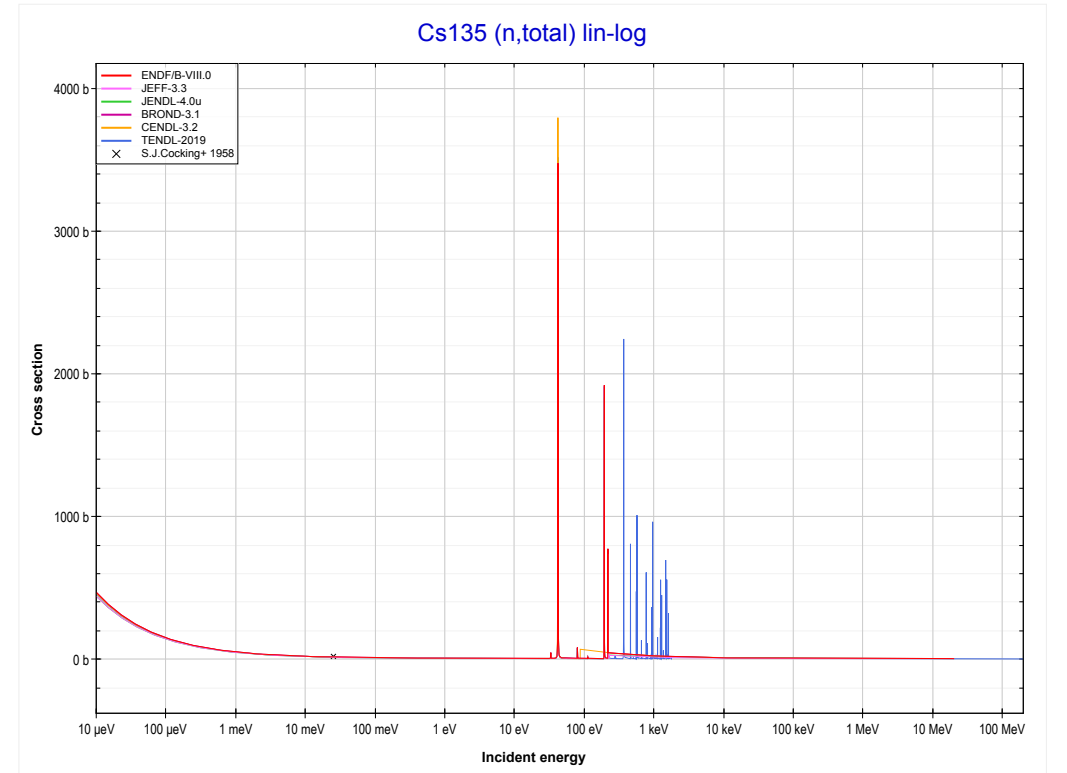
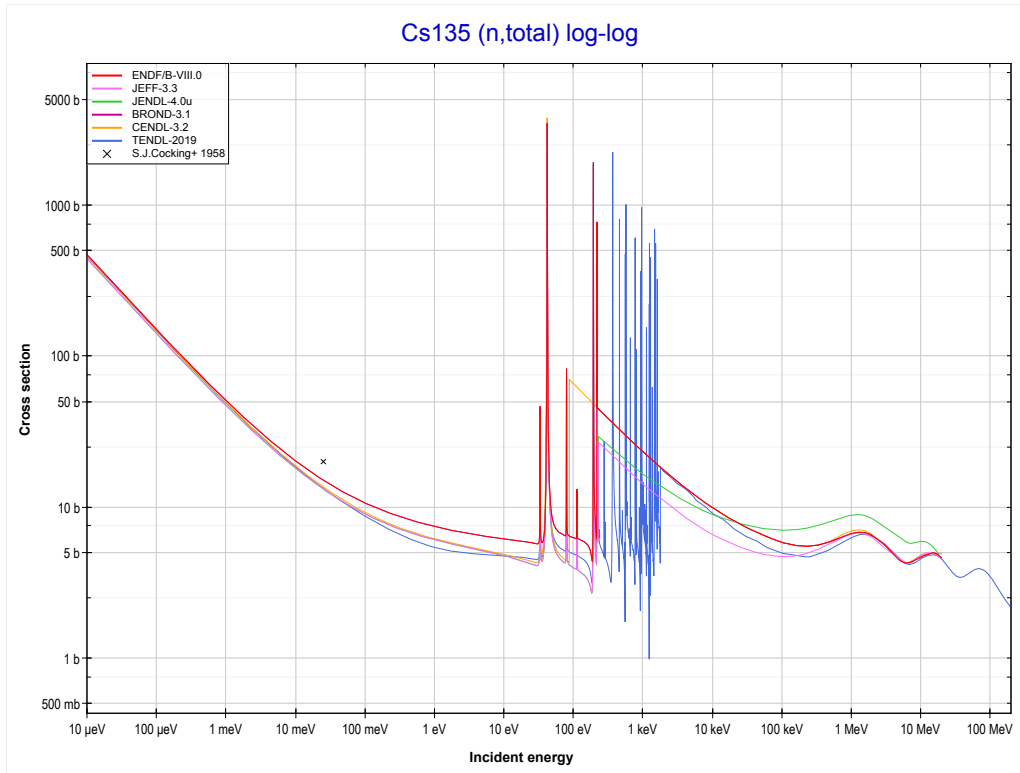
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.44432E-19 b | 8.2354E-31 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.57515E-21 b | 4.78021E-20 b |

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|----------------------------|--|----------------------------|
| << 55-Cs-133 | 55-Cs-134 | 55-Cs-135 >> |
| << 55-Cs-133 MT115 (n,p+d) | MT102 (n,γ) or MT5 (Cs135 production) | 55-Cs-135 MT1 (n,total) >> |



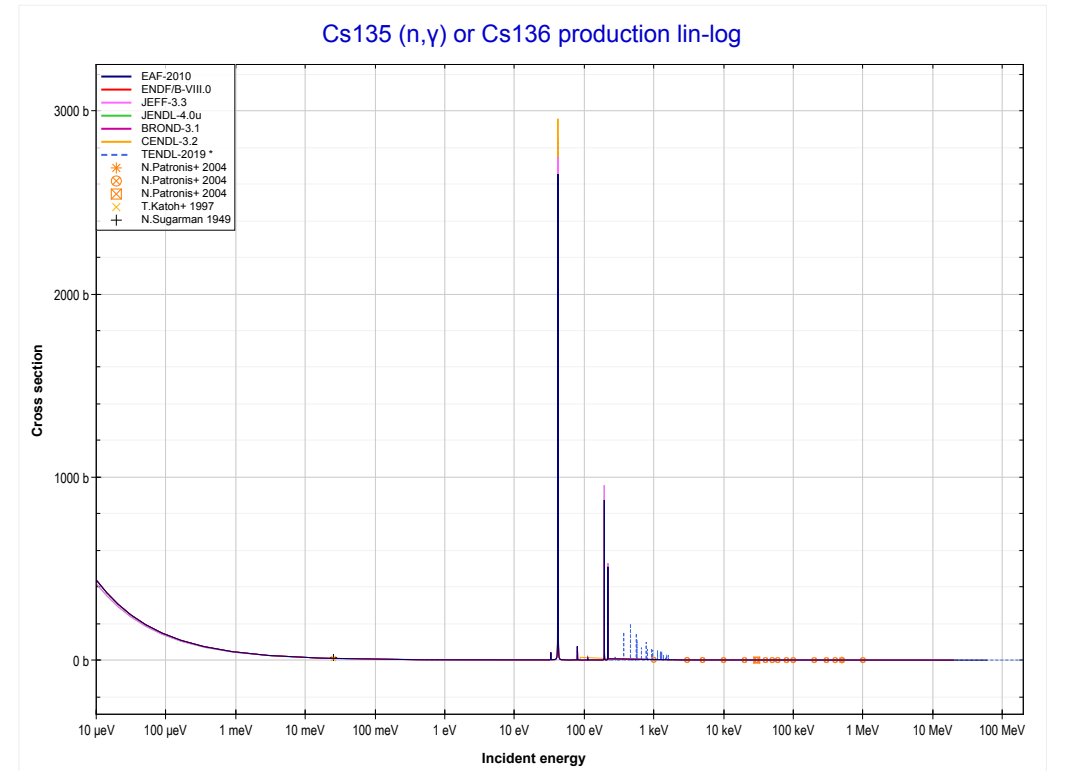
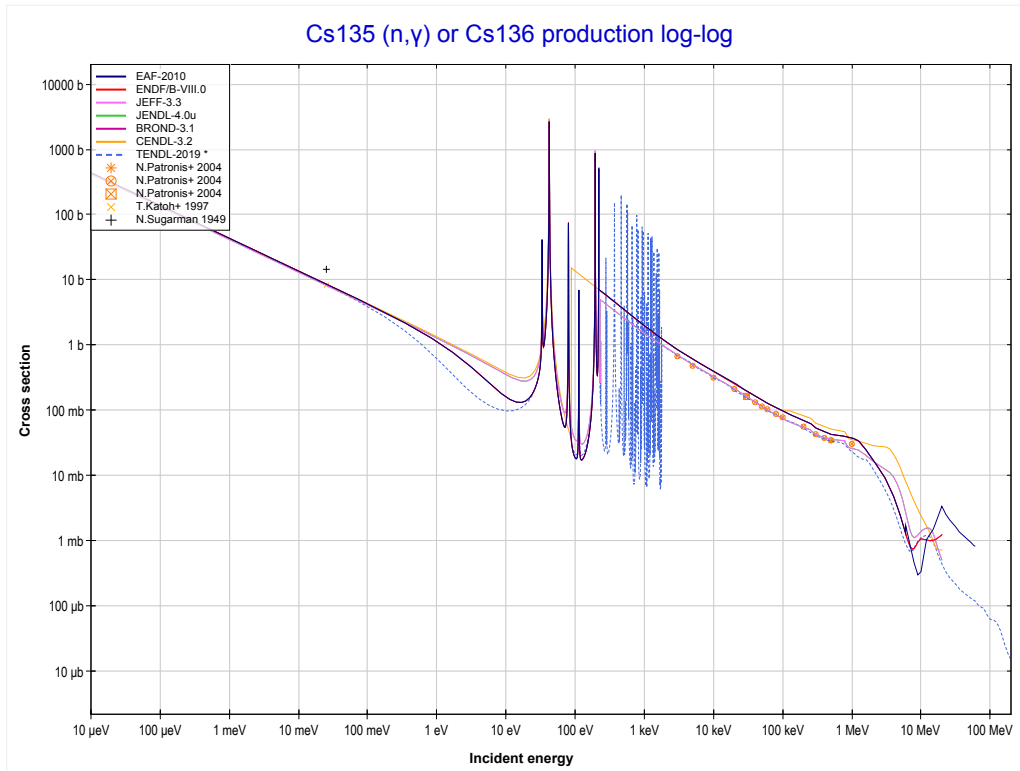
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 139.53 b | 139.425 b | 139.15 b | 0.99801 | 85.8791 b | 0.0270877 b | 0.00139669 b |
| ENDF/B-VIII.0 | 139.691 b | 139.691 b | 139.5 b | 0.99866 | 104.724 b | 0.0670118 b | 0.00100117 b |
| JEFF-3.3 | 140.385 b | 140.385 b | 140.19 b | 0.99859 | 93.2547 b | 0.0322051 b | 0.00115884 b |
| JENDL-4.0u | 140.619 b | 140.619 b | 140.43 b | 0.99866 | 72.3955 b | 0.0243858 b | 0.00158541 b |
| BROND-3.1 | 139.691 b | 139.691 b | 139.5 b | 0.99866 | 104.724 b | 0.0670118 b | 0.00100117 b |
| CENDL-3.2 | 139.665 b | 139.665 b | 139.42 b | 0.99828 | 104.735 b | 0.0674518 b | 7.534E-4 b |
| TENDL-2019 | 139.986 b | 139.986 b | 138.36 b | 0.98836 | 49.9006 b | 0.0318169 b | 0.00115807 b |

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|-----------------------------------|----------------------|-------------------------|
| << 55-Cs-133 | 55-Cs-135 | 56-Ba-130 >> |
| << 55-Cs-134 MT102 (n, γ) | MT1 (n,total) | MT102 (n, γ) >> |



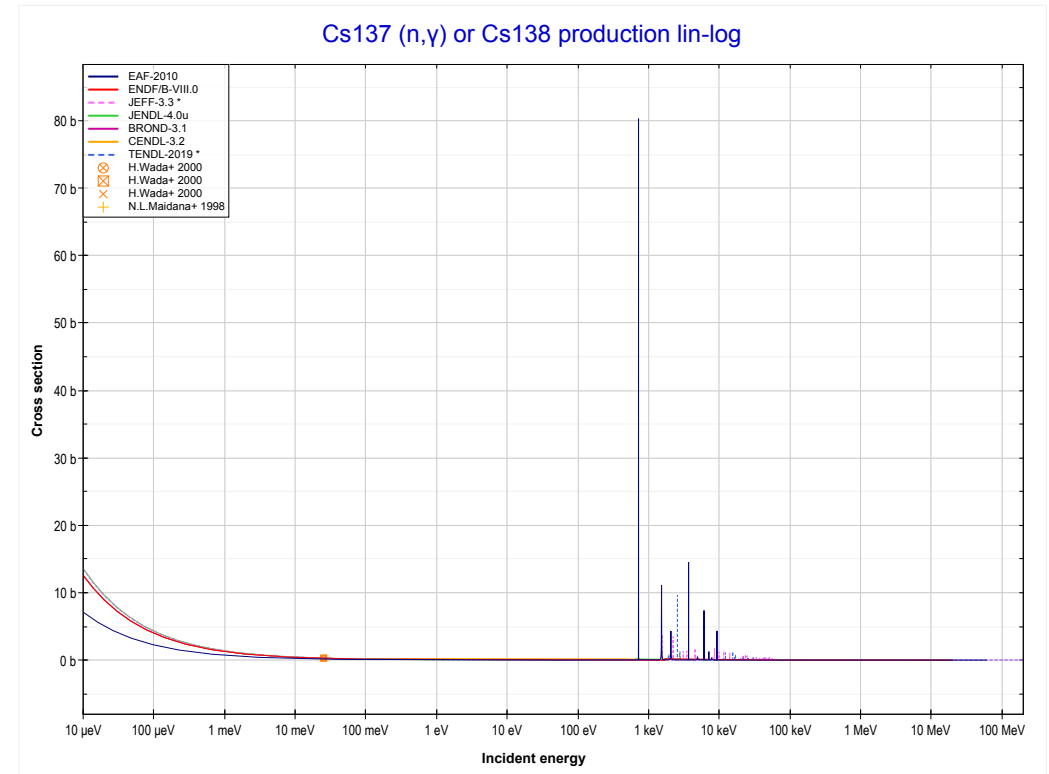
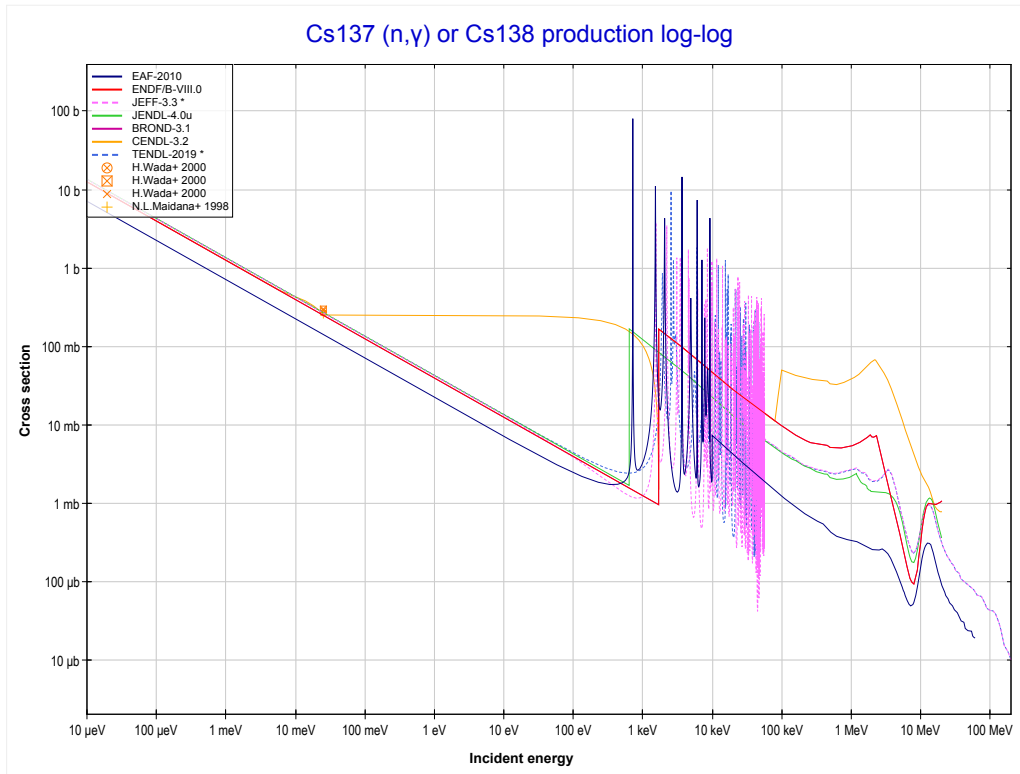
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.0389 b | 15.0389 b | 15.836 b | 1.05302 | 197.566 b | 6.00922 b | 4.95149 b |
| JEFF-3.3 | 13.1418 b | 13.1418 b | 13.763 b | 1.04724 | 149.64 b | 5.82713 b | 4.97616 b |
| JENDL-4.0u | 13.1418 b | 13.1418 b | 13.763 b | 1.04724 | 163.86 b | 7.92661 b | 5.63694 b |
| BROND-3.1 | 15.0389 b | 15.0389 b | 15.836 b | 1.05302 | 197.566 b | 6.00922 b | 4.95149 b |
| CENDL-3.2 | 13.5693 b | 13.5693 b | 14.191 b | 1.04583 | 233.163 b | 6.12397 b | 4.9233 b |
| TENDL-2019 | 13.2375 b | 13.2375 b | 13.747 b | 1.03853 | 169.642 b | 5.76942 b | 4.82442 b |

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|------------------|--|-----------------------------------|
| << 55-Cs-134 | 55-Cs-135 | 55-Cs-137 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Cs136 production) | 55-Cs-137 MT102 (n, γ) >> |



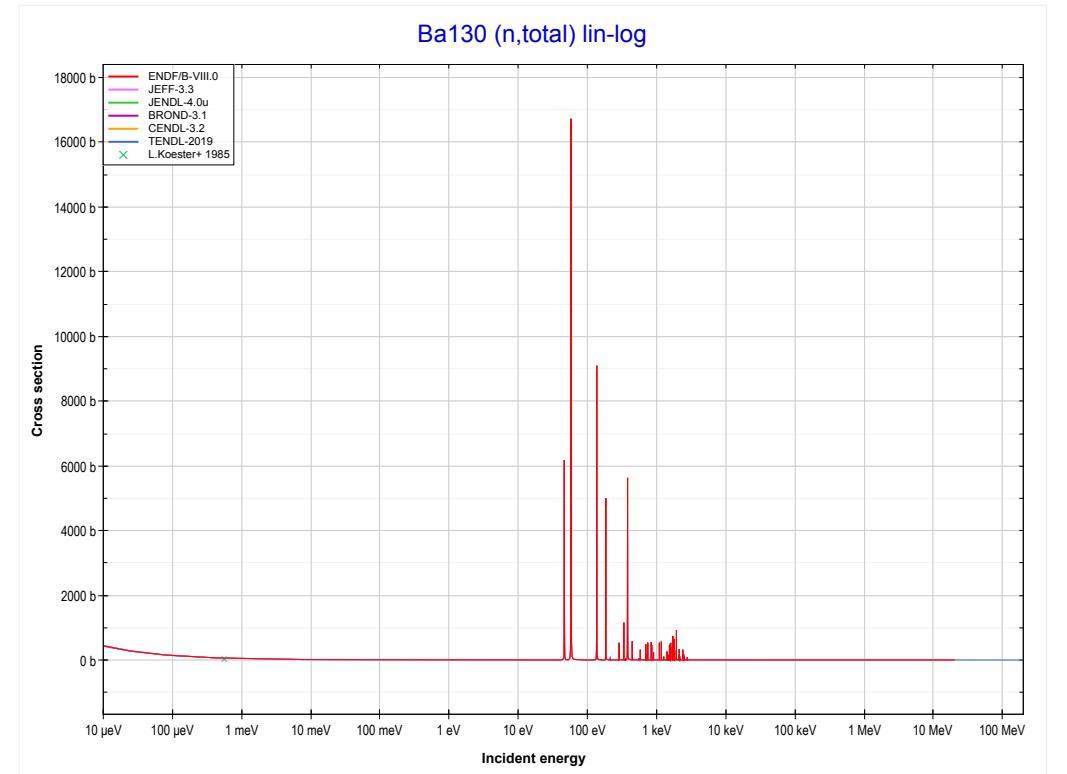
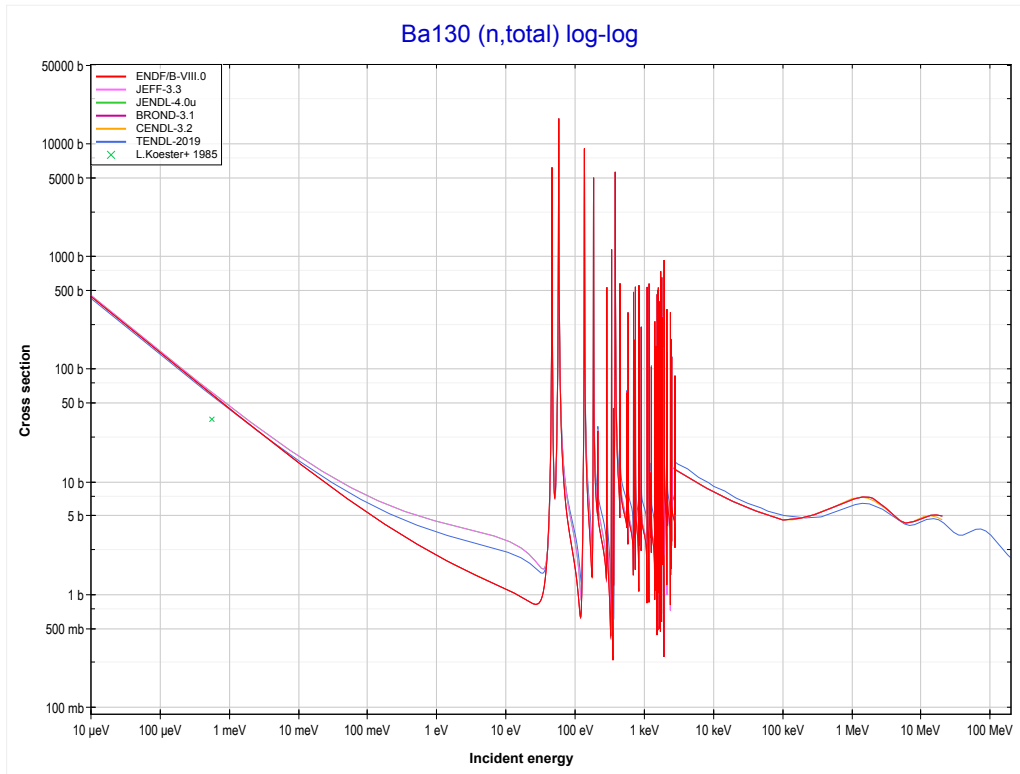
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.66037 b | 8.65401 b | 8.6314 b | 0.9974 | 50.6781 b | 0.0281149 b | 0.00133944 b |
| ENDF/B-VIII.0 | 8.66179 b | 8.66179 b | 8.6424 b | 0.99776 | 50.6084 b | 0.028116 b | 0.00100269 b |
| JEFF-3.3 | 8.30145 b | 8.30145 b | 8.3022 b | 1.00009 | 53.4115 b | 0.0238668 b | 0.00148814 b |
| JENDL-4.0u | 8.30145 b | 8.30145 b | 8.3022 b | 1.00009 | 53.4115 b | 0.0238668 b | 0.00148814 b |
| BROND-3.1 | 8.66179 b | 8.66179 b | 8.6424 b | 0.99776 | 50.6084 b | 0.028116 b | 0.00100269 b |
| CENDL-3.2 | 8.7014 b | 8.7014 b | 8.6992 b | 0.99974 | 62.2891 b | 0.0370507 b | 0.0012015 b |
| TENDL-2019 | 8.40508 b | 8.40508 b | 8.2958 b | 0.987 | 48.3821 b | 0.0200913 b | 0.00110148 b |

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|-----------------------------------|--|----------------------------|
| << 55-Cs-135 | 55-Cs-137 | 56-Ba-130 >> |
| << 55-Cs-135 MT102 (n, γ) | MT102 (n,γ) or MT5 (Cs138 production) | 56-Ba-130 MT1 (n,total) >> |



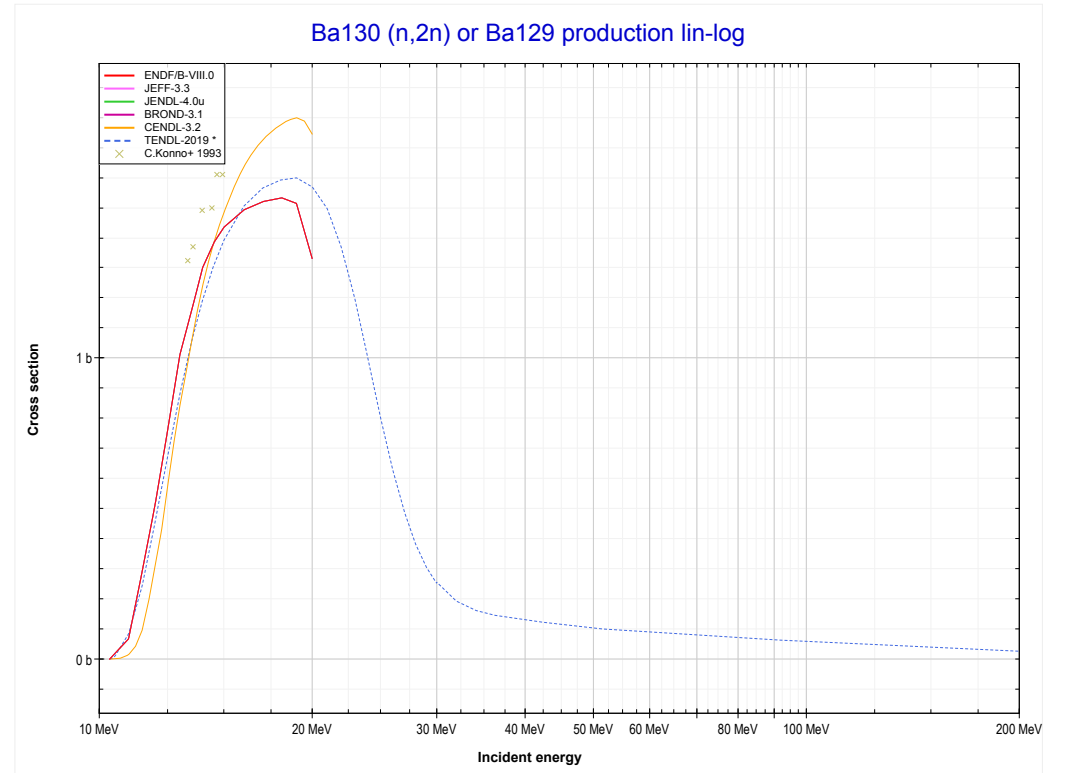
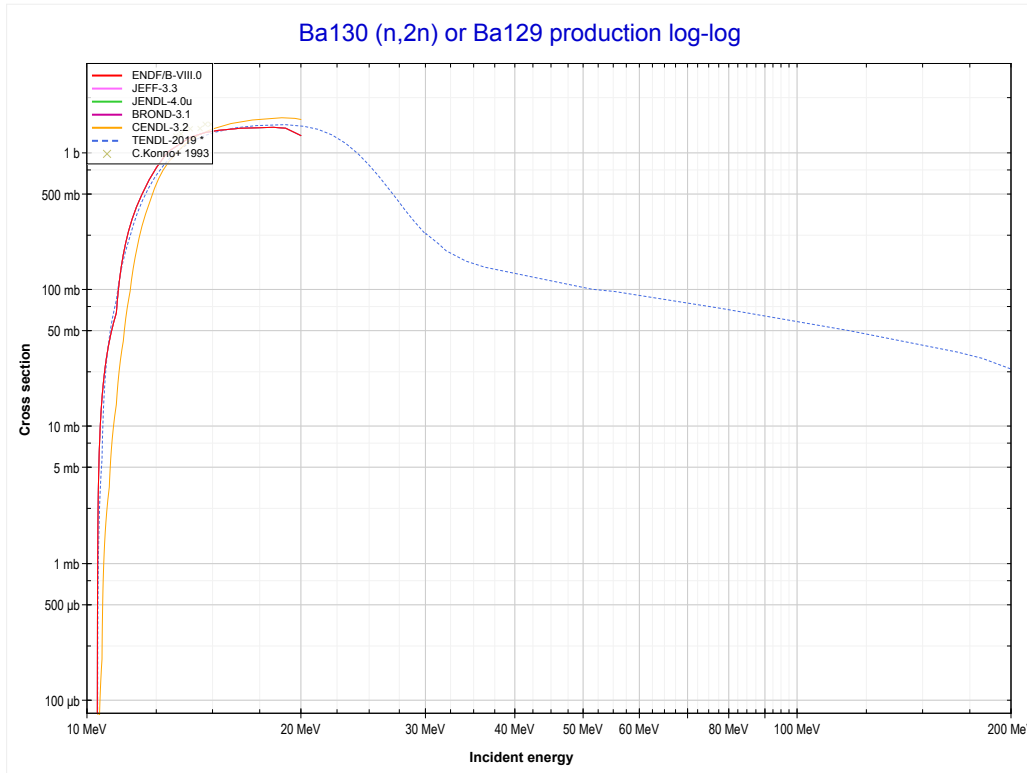
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.141569 b | 0.141463 b | 0.14143 b | 0.99978 | 0.533971 b | 3.72647E-4 b | 2.98647E-4 b |
| ENDF/B-VIII.0 | 0.250071 b | 0.250071 b | 0.25017 b | 1.00041 | 0.334502 b | 0.00499454 b | 0.00100093 b |
| JEFF-3.3 | 0.268581 b | 0.268581 b | 0.26869 b | 1.00039 | 0.28804 b | 0.00239136 b | 9.21937E-4 b |
| JENDL-4.0u | 0.270077 b | 0.270077 b | 0.27019 b | 1.00041 | 0.345872 b | 0.00183297 b | 0.00116035 b |
| BROND-3.1 | 0.250071 b | 0.250071 b | 0.25017 b | 1.00041 | 0.334502 b | 0.00499454 b | 0.00100093 b |
| CENDL-3.2 | 0.262936 b | 0.262936 b | 0.3234 b | 1.22997 | 2.01115 b | 0.0414672 b | 0.001353 b |
| TENDL-2019 | 0.269095 b | 0.269095 b | 0.26911 b | 1.00005 | 0.250054 b | 0.00232597 b | 9.21567E-4 b |

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|-----------------------------------|----------------------|----------------|
| << 55-Cs-135 | 56-Ba-130 | 56-Ba-134 >> |
| << 55-Cs-137 MT102 (n, γ) | MT1 (n,total) | MT16 (n,2n) >> |



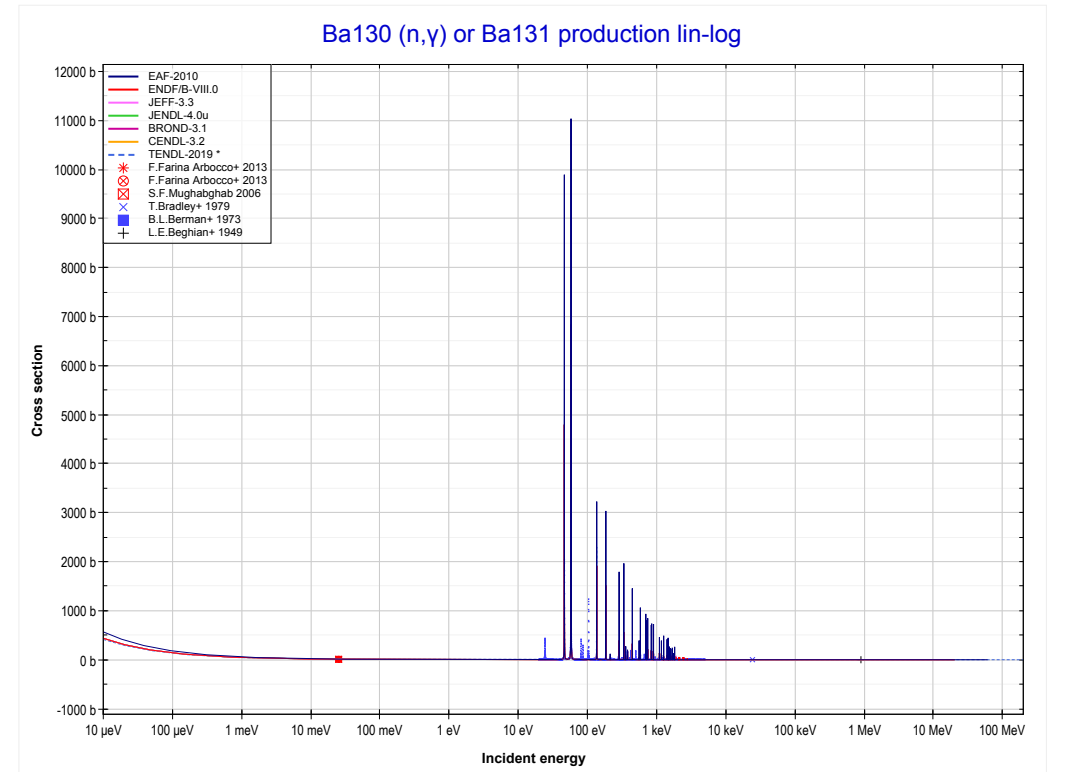
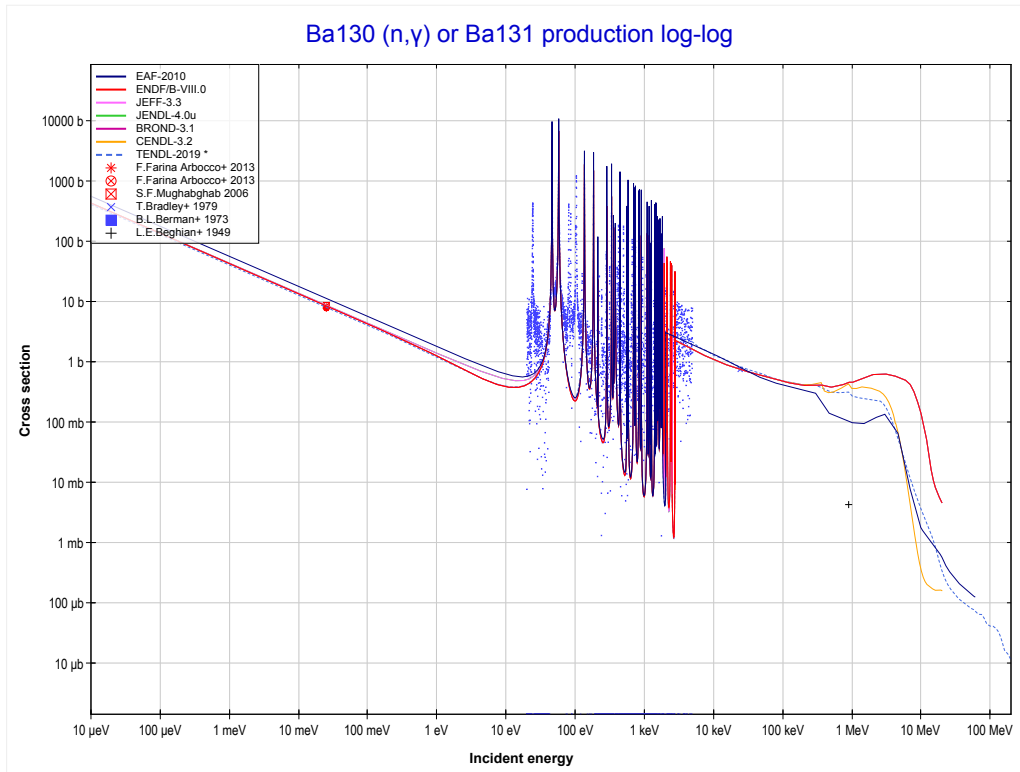
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.67295 b | 9.67295 b | 9.7916 b | 1.01226 | 471.838 b | 6.23949 b | 5.07875 b |
| JEFF-3.3 | 11.839 b | 11.839 b | 12.245 b | 1.03428 | 481.983 b | 6.23936 b | 5.07875 b |
| JENDL-4.0u | 11.839 b | 11.839 b | 12.245 b | 1.03428 | 481.983 b | 6.23936 b | 5.07875 b |
| BROND-3.1 | 9.67295 b | 9.67295 b | 9.7916 b | 1.01226 | 471.838 b | 6.23949 b | 5.07875 b |
| CENDL-3.2 | 9.6714 b | 9.6714 b | 9.7868 b | 1.01193 | 471.698 b | 6.21038 b | 5.007 b |
| TENDL-2019 | 10.6149 b | 10.6149 b | 10.916 b | 1.02836 | 487.891 b | 5.68182 b | 4.72476 b |

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|------------------|--|-------------------------|
| << 55-Cs-133 | 56-Ba-130 | 56-Ba-132 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Ba129 production) | MT102 (n, γ) >> |



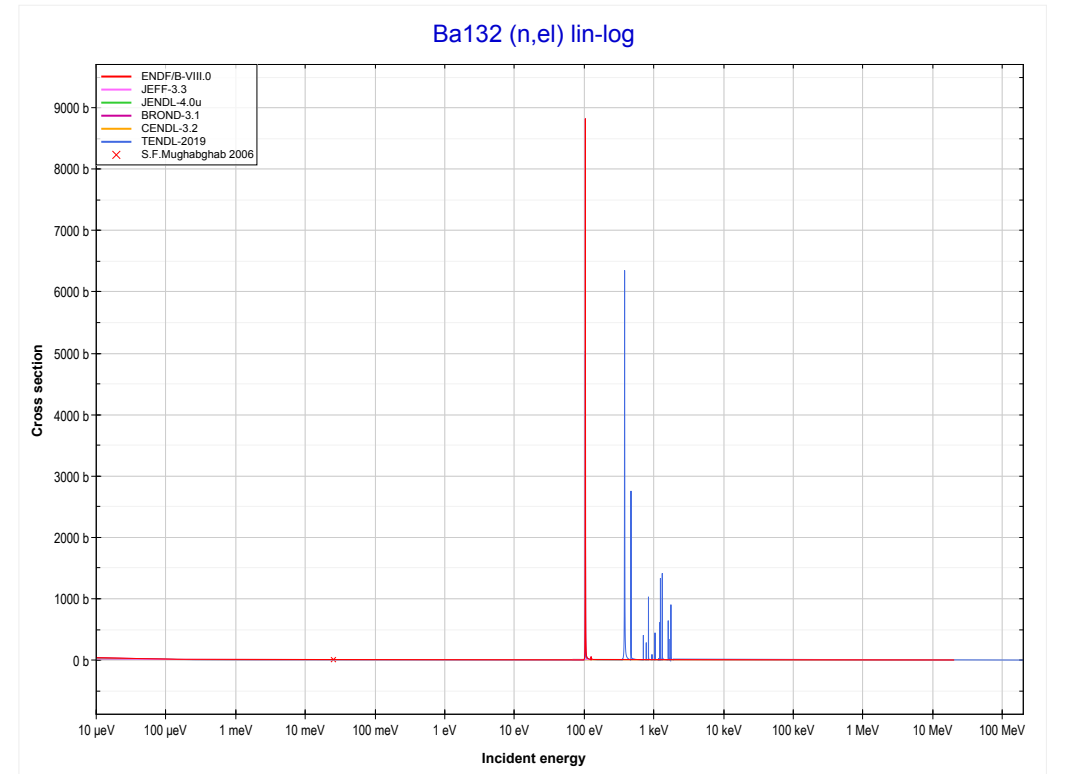
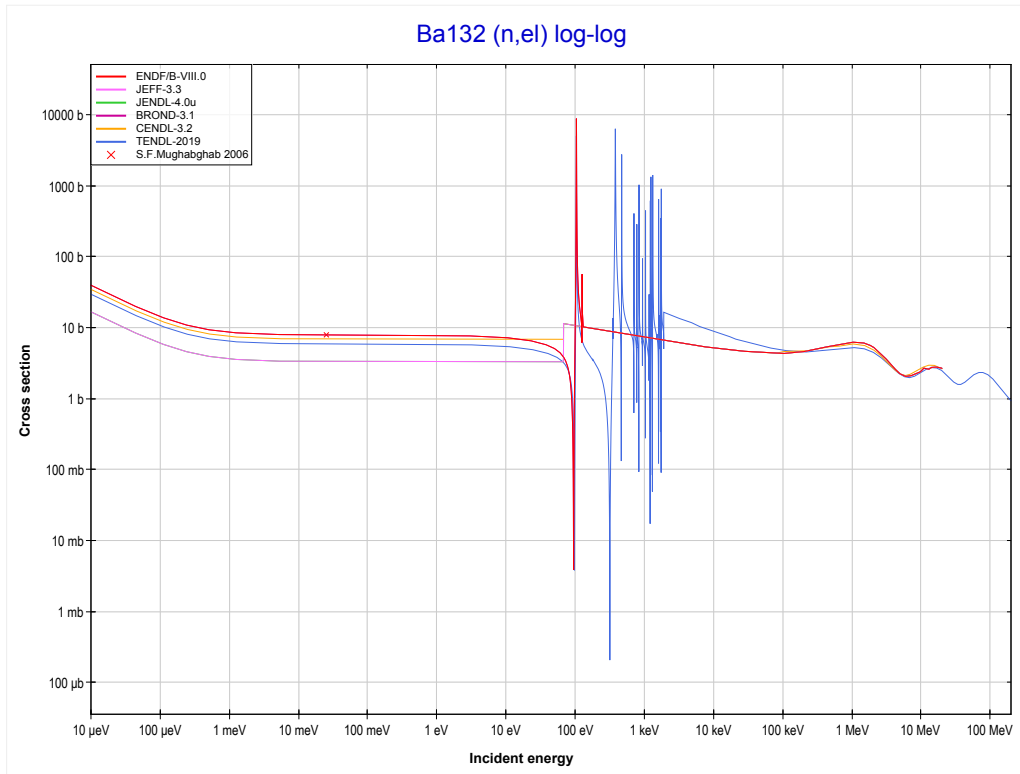
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.38356E-4 b | 1.30063 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.38356E-4 b | 1.30063 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.38356E-4 b | 1.30063 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.38356E-4 b | 1.30063 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.90381E-4 b | 1.2404 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.84114E-4 b | 1.19394 b |

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|----------------|--|------------------------------|
| << 55-Cs-137 | 56-Ba-130 | 56-Ba-132 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ba131 production) | 56-Ba-132 MT2 (n,elastic) >> |



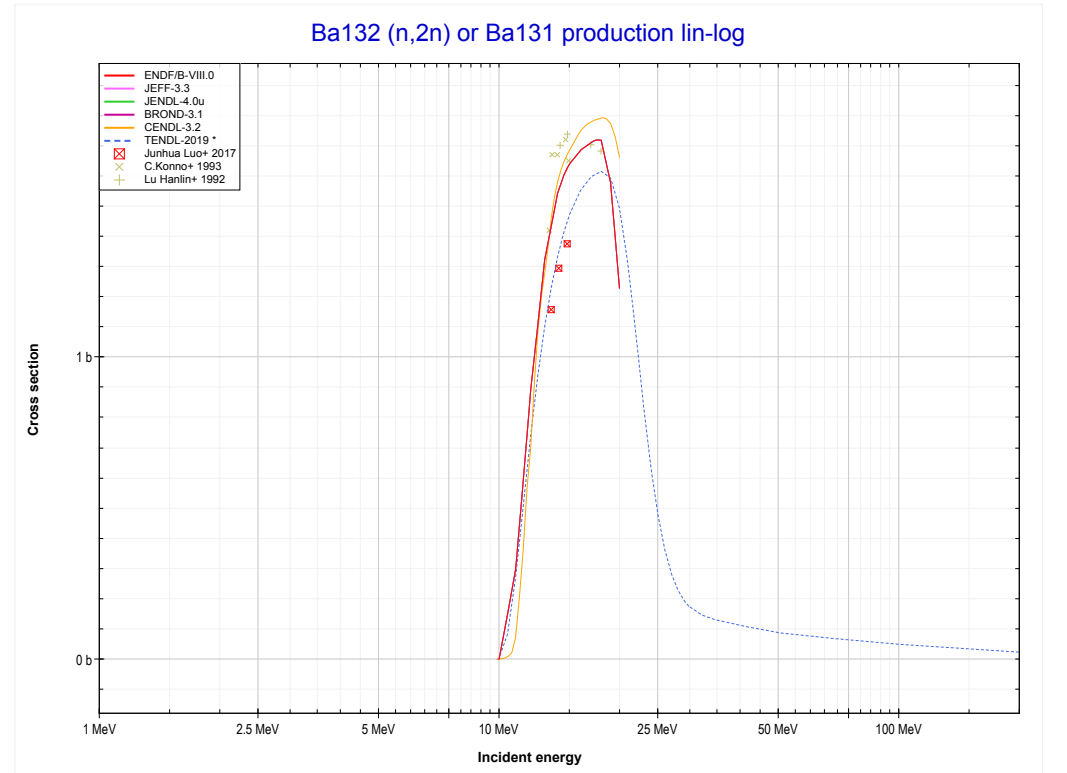
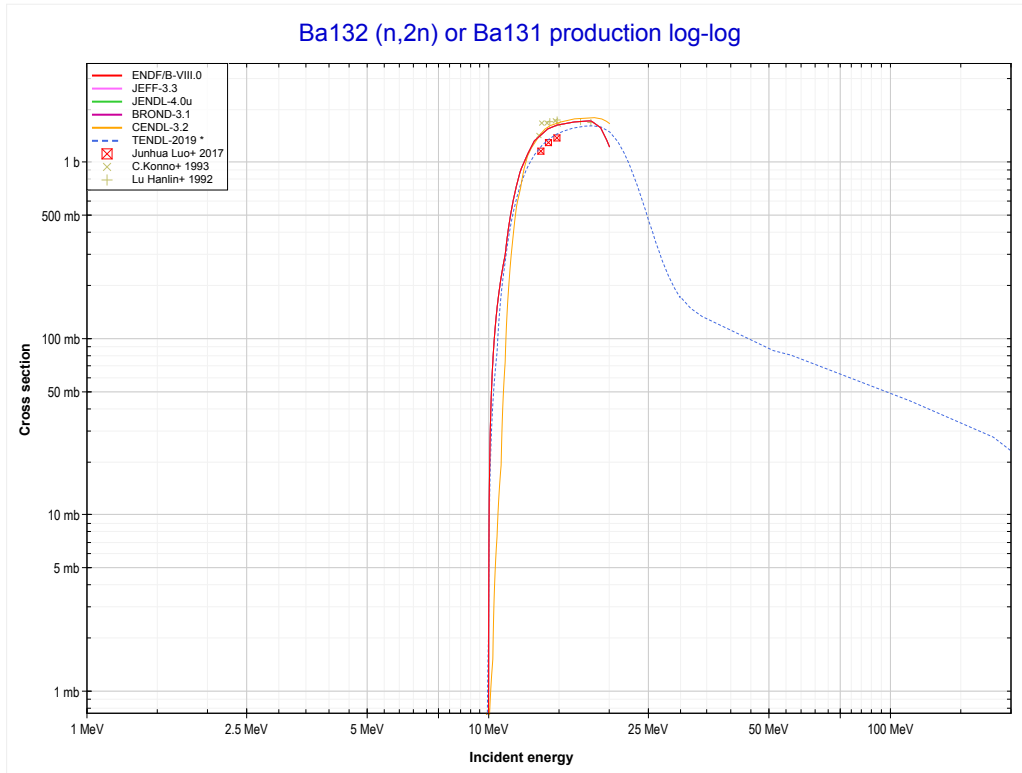
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.292 b | 11.2835 b | 11.284 b | 1.00008 | 173.577 b | 0.128212 b | 0.00104 b |
| ENDF/B-VIII.0 | 8.67909 b | 8.67909 b | 8.6711 b | 0.99907 | 173.328 b | 0.524695 b | 0.0164037 b |
| JEFF-3.3 | 8.70116 b | 8.70116 b | 8.7059 b | 1.00054 | 174.152 b | 0.524689 b | 0.0164037 b |
| JENDL-4.0u | 8.70116 b | 8.70116 b | 8.7059 b | 1.00054 | 174.152 b | 0.524689 b | 0.0164037 b |
| BROND-3.1 | 8.67909 b | 8.67909 b | 8.6711 b | 0.99907 | 173.328 b | 0.524695 b | 0.0164037 b |
| CENDL-3.2 | 8.67754 b | 8.67754 b | 8.6662 b | 0.99869 | 173.275 b | 0.31813 b | 1.7836E-4 b |
| TENDL-2019 | 8.1984 b | 8.1984 b | 8.1904 b | 0.99902 | 177.34 b | 0.243631 b | 0.00138964 b |

| | | |
|-----------------------------------|------------------------|----------------|
| << 55-Cs-133 | 56-Ba-132 | 56-Ba-134 >> |
| << 56-Ba-130 MT102 (n, γ) | MT2 (n,elastic) | MT16 (n,2n) >> |



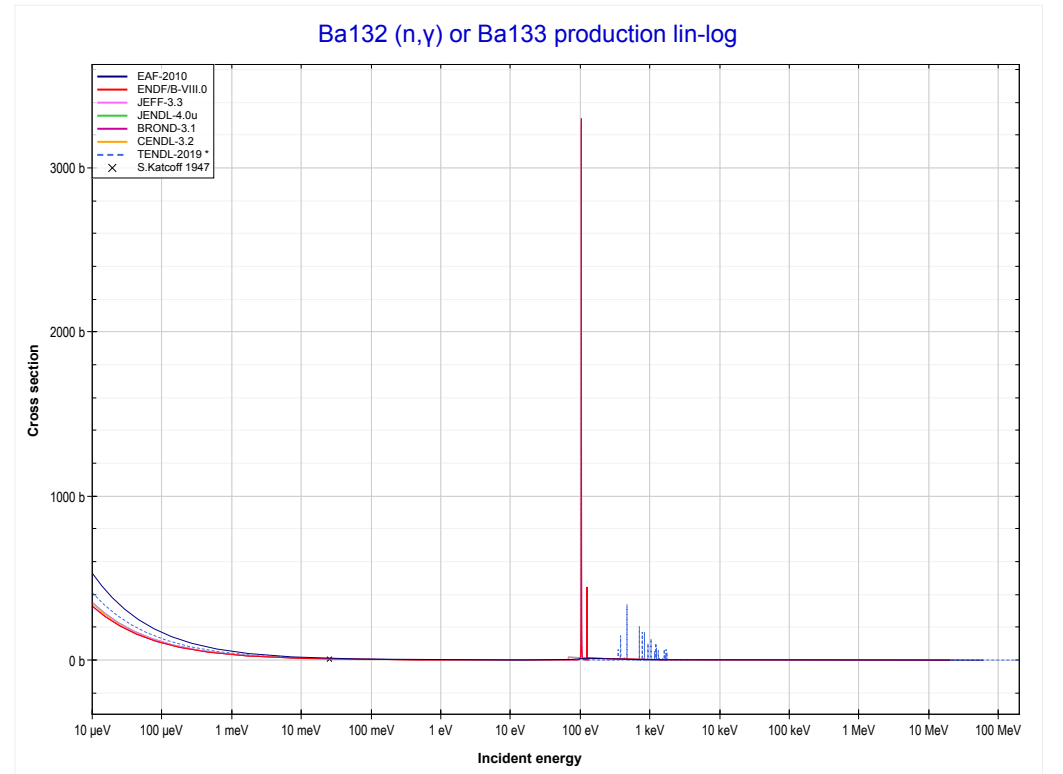
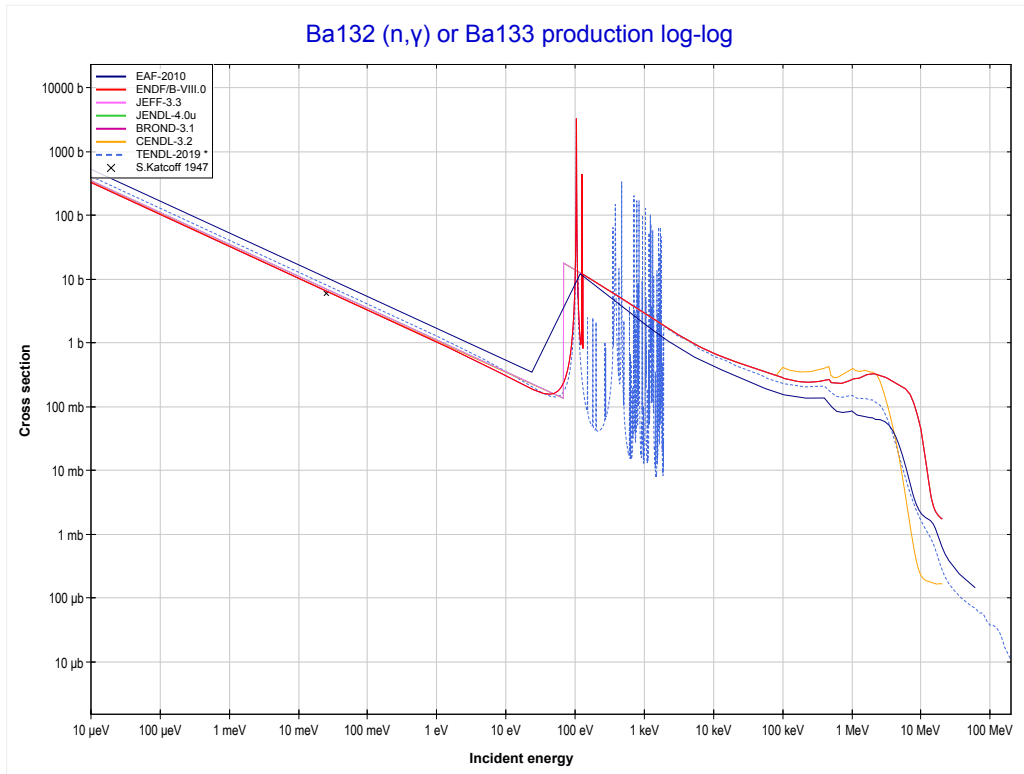
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.85598 b | 7.85598 b | 8.8626 b | 1.12814 | 161.723 b | 4.86824 b | 2.74511 b |
| JEFF-3.3 | 3.31262 b | 3.31262 b | 3.7379 b | 1.12837 | 65.8723 b | 4.86824 b | 2.74511 b |
| JENDL-4.0u | 3.31262 b | 3.31262 b | 3.7379 b | 1.12837 | 65.8723 b | 4.86824 b | 2.74511 b |
| BROND-3.1 | 7.85598 b | 7.85598 b | 8.8626 b | 1.12814 | 161.723 b | 4.86824 b | 2.74511 b |
| CENDL-3.2 | 6.86714 b | 6.86714 b | 7.749 b | 1.12842 | 83.3129 b | 4.60981 b | 2.96741 b |
| TENDL-2019 | 5.87119 b | 5.87119 b | 6.624 b | 1.12822 | 242.908 b | 4.27572 b | 2.71736 b |

| | | |
|--------------------|--|-------------------------|
| << 56-Ba-130 | 56-Ba-132 | 56-Ba-134 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ba131 production) | MT102 (n, γ) >> |



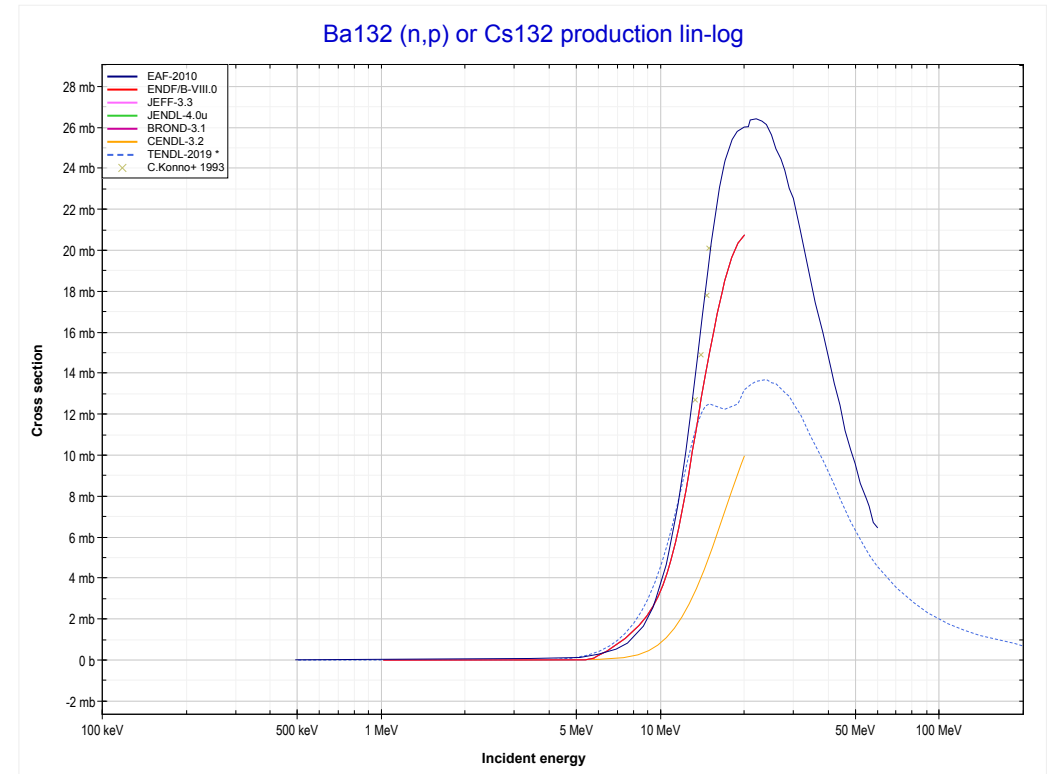
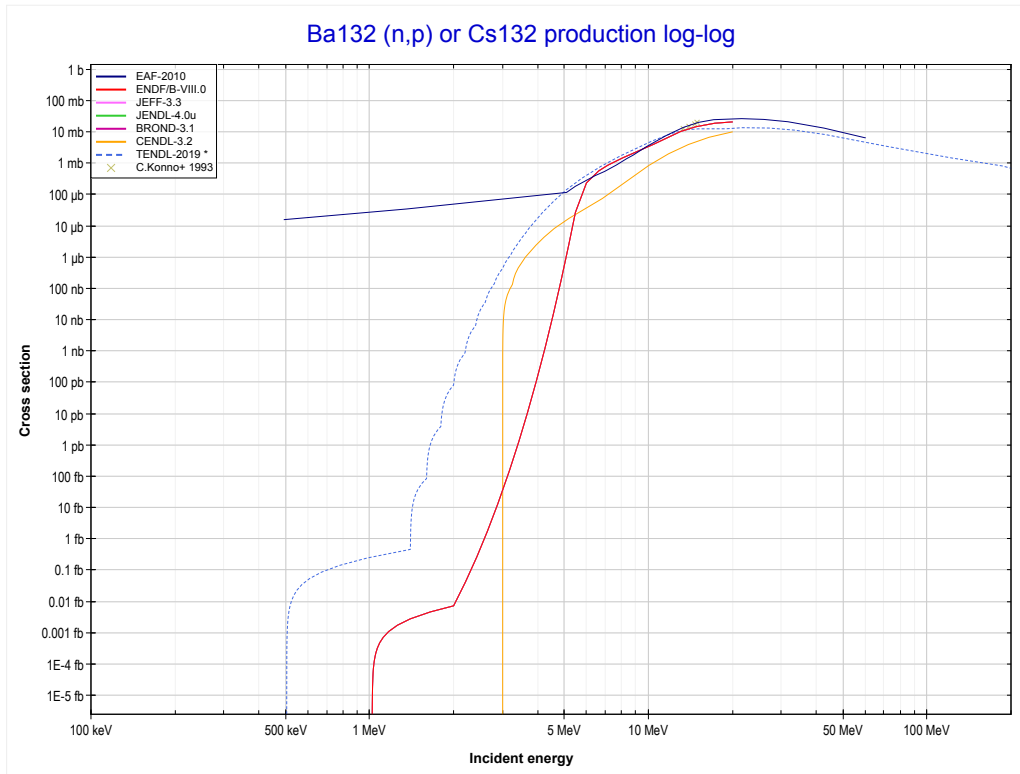
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104276 b | 1.54168 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104276 b | 1.54168 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104276 b | 1.54168 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00104276 b | 1.54168 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.07521E-4 b | 1.5794 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.7966E-4 b | 1.33142 b |

| | | |
|----------------|--|----------------|
| << 56-Ba-130 | 56-Ba-132 | 56-Ba-133 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ba133 production) | MT103 (n,p) >> |



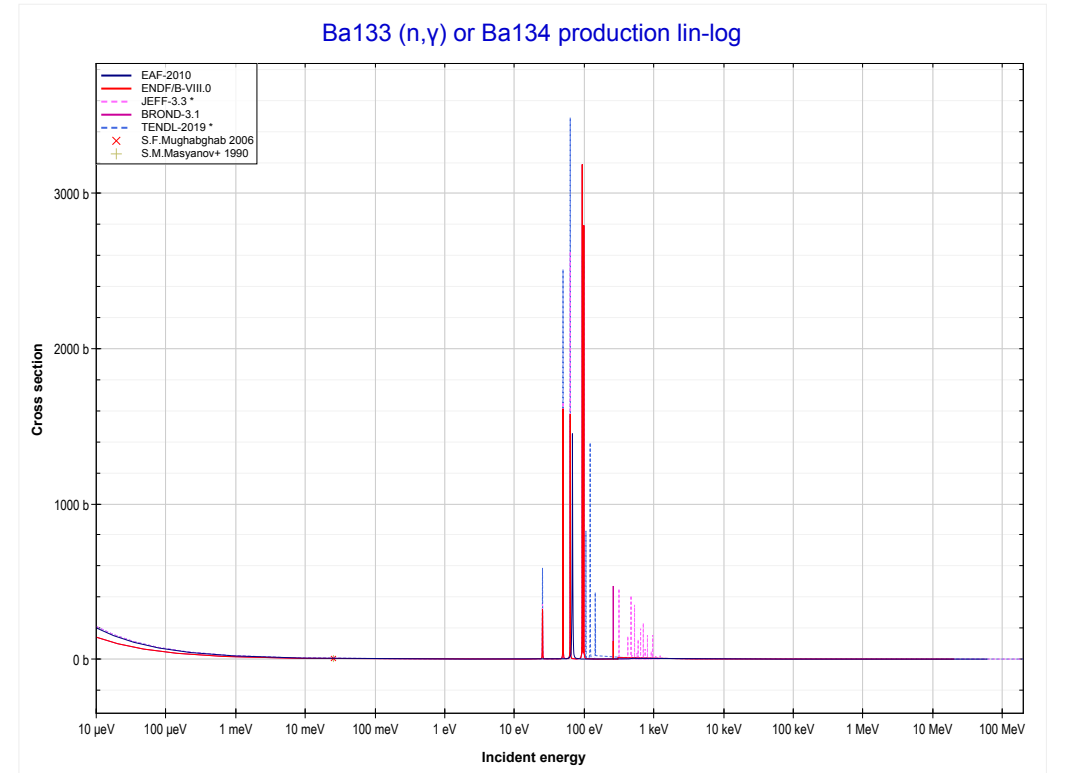
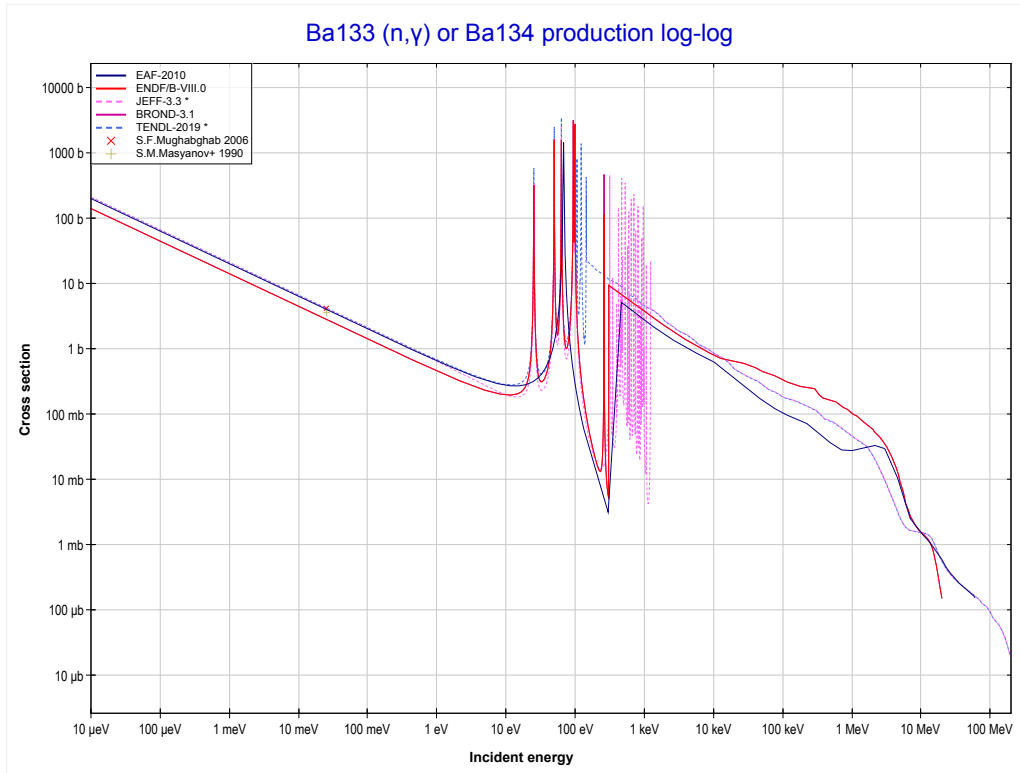
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10.54 b | 10.5321 b | 10.532 b | 1.00004 | 24.1651 b | 0.0740231 b | 0.00159799 b |
| ENDF/B-VIII.0 | 6.53148 b | 6.53148 b | 6.5333 b | 1.00028 | 53.2016 b | 0.272791 b | 0.00381269 b |
| JEFF-3.3 | 7.00201 b | 7.00201 b | 7.0048 b | 1.0004 | 30.0897 b | 0.272771 b | 0.00381269 b |
| JENDL-4.0u | 7.00201 b | 7.00201 b | 7.0048 b | 1.0004 | 30.0897 b | 0.272771 b | 0.00381269 b |
| BROND-3.1 | 6.53148 b | 6.53148 b | 6.5333 b | 1.00028 | 53.2016 b | 0.272791 b | 0.00381269 b |
| CENDL-3.2 | 6.50625 b | 6.50625 b | 6.5471 b | 1.00628 | 30.0115 b | 0.274001 b | 1.7848E-4 b |
| TENDL-2019 | 8.16954 b | 8.16954 b | 8.1684 b | 0.99986 | 38.2536 b | 0.12109 b | 8.42334E-4 b |

| | | |
|-------------------------|--|-----------------------------------|
| << 55-Cs-133 | 56-Ba-132 | 56-Ba-134 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs132 production) | 56-Ba-133 MT102 (n, γ) >> |



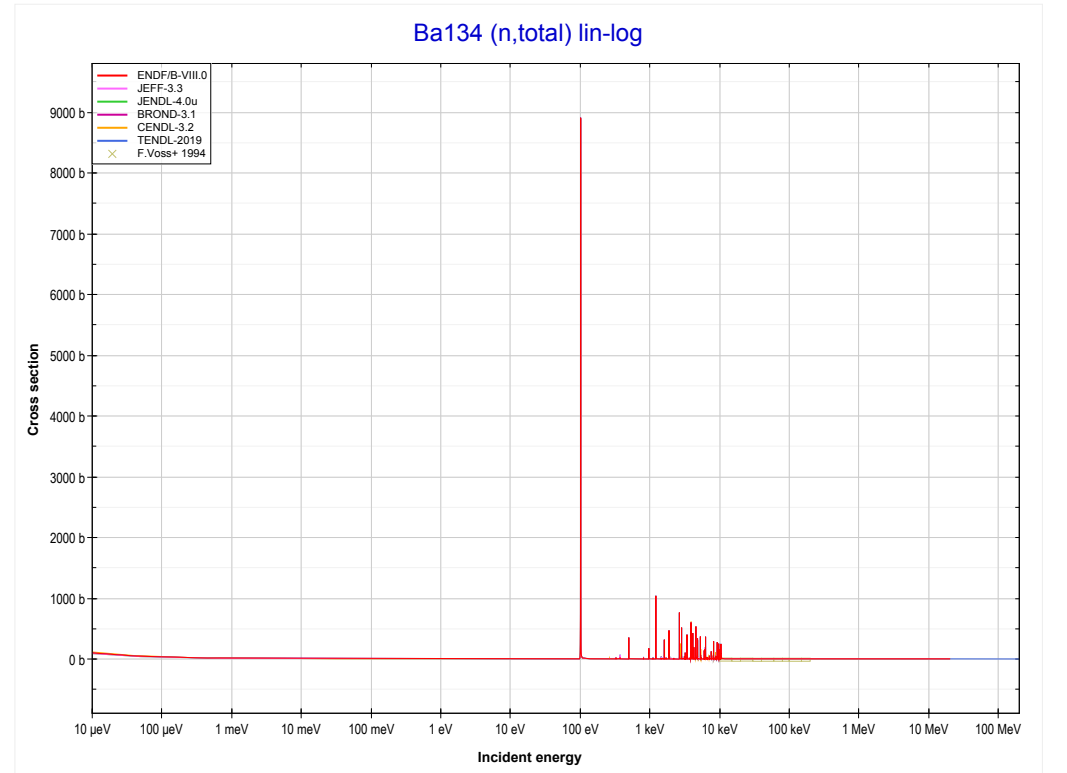
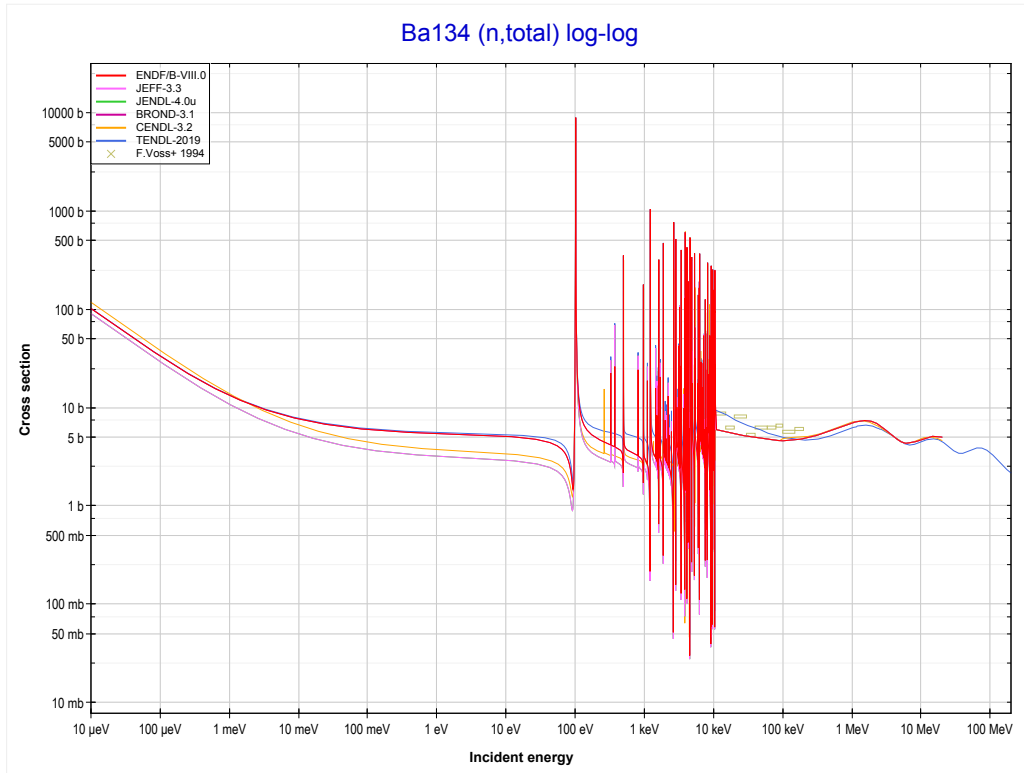
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.34227E-5 b | 0.0162568 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.07533E-5 b | 0.0127521 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.07533E-5 b | 0.0127521 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.07533E-5 b | 0.0127521 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.07533E-5 b | 0.0127521 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.8715E-6 b | 0.0040215 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.02708E-5 b | 0.0120164 b |

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|--------------------------|--|----------------------------|
| << 56-Ba-132 | 56-Ba-133 | 56-Ba-134 >> |
| << 56-Ba-132 MT103 (n,p) | MT102 (n,γ) or MT5 (Ba134 production) | 56-Ba-134 MT1 (n,total) >> |



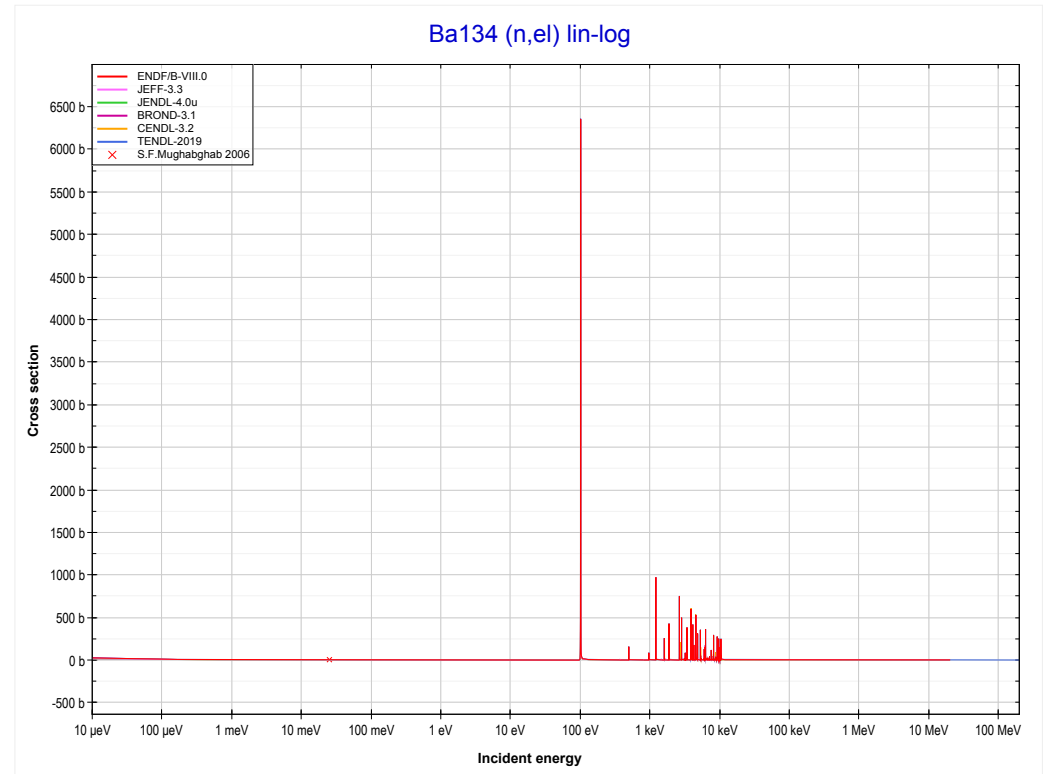
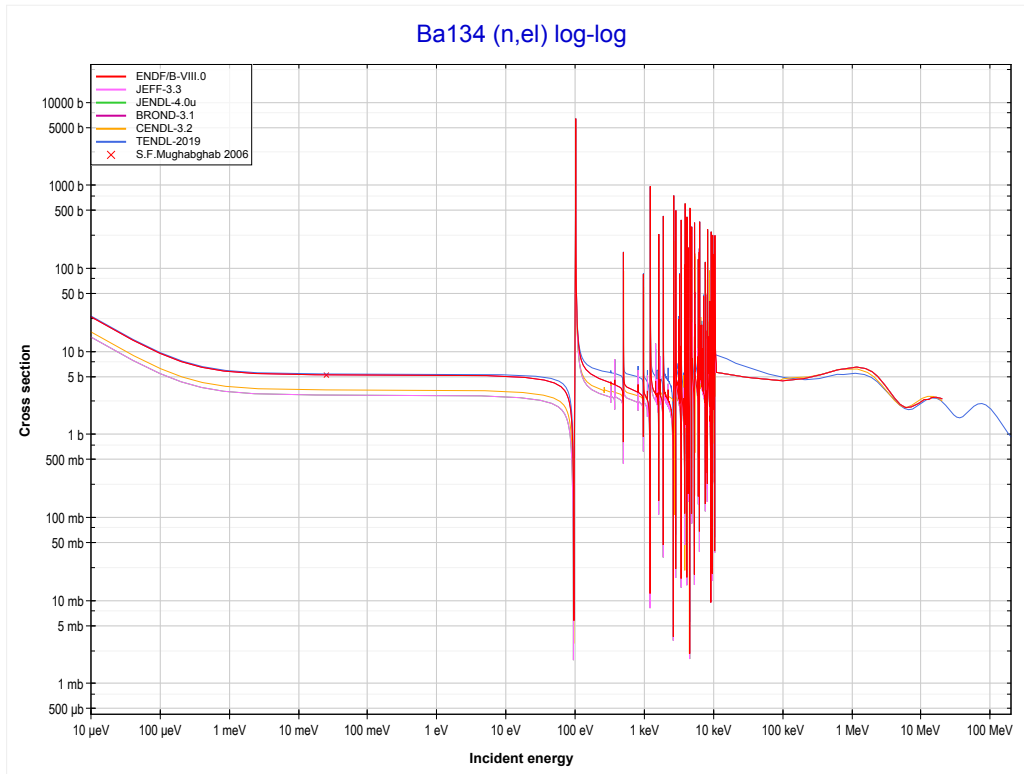
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.00324 b | 4.00024 b | 4.002 b | 1.00044 | 48.8303 b | 0.0327662 b | 0.00103 b |
| ENDF/B-VIII.0 | 2.81379 b | 2.81379 b | 2.8159 b | 1.00077 | 105.876 b | 0.0921606 b | 0.00100193 b |
| JEFF-3.3 | 4.18074 b | 4.18074 b | 4.1808 b | 1.00001 | 99.4514 b | 0.0438053 b | 0.00129823 b |
| BROND-3.1 | 2.81379 b | 2.81379 b | 2.8159 b | 1.00077 | 105.824 b | 0.0921606 b | 0.00100193 b |
| TENDL-2019 | 4.17985 b | 4.17985 b | 4.1815 b | 1.00039 | 167.734 b | 0.043267 b | 0.0012973 b |

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|-----------------------------------|----------------------|--------------------|
| << 56-Ba-130 | 56-Ba-134 | 56-Ba-135 >> |
| << 56-Ba-133 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



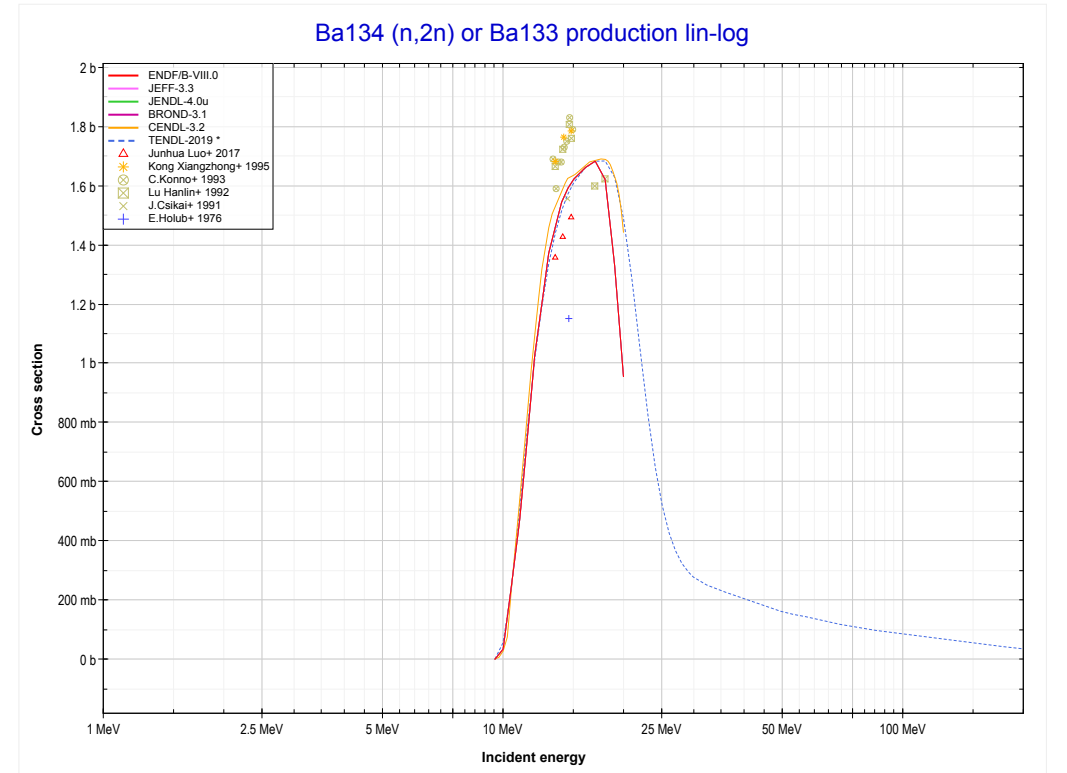
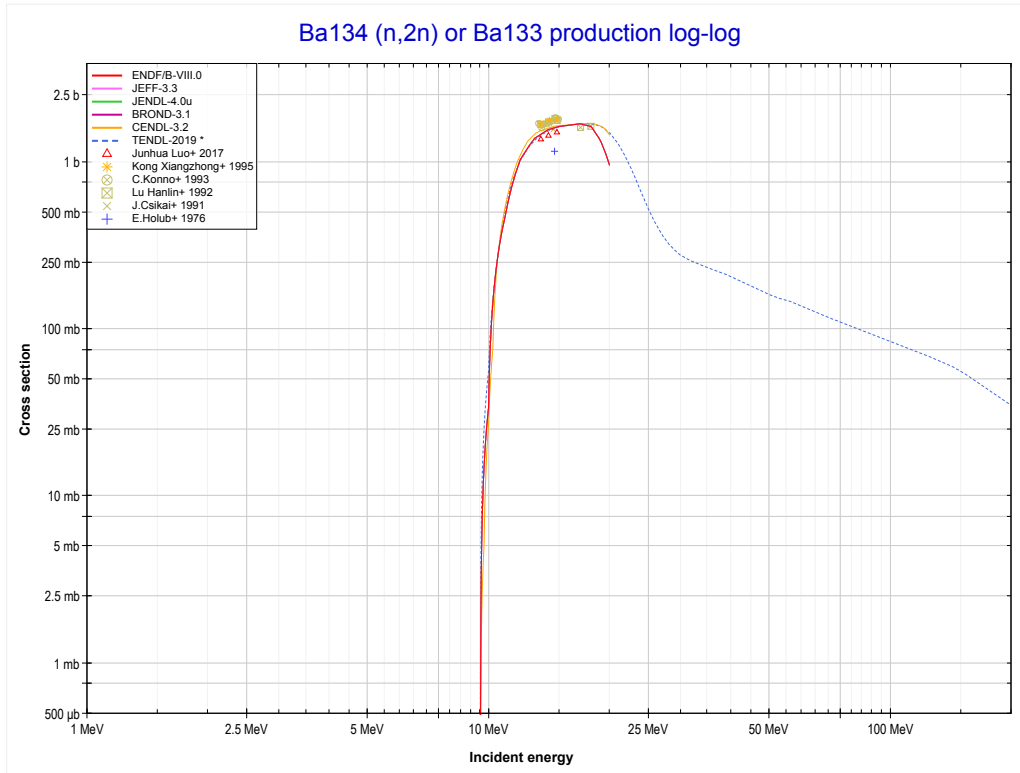
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.72721 b | 6.72721 b | 7.3978 b | 1.09969 | 138.613 b | 6.25415 b | 5.07827 b |
| JEFF-3.3 | 4.48215 b | 4.48215 b | 4.8649 b | 1.0854 | 123.246 b | 6.25388 b | 5.07827 b |
| JENDL-4.0u | 4.48215 b | 4.48215 b | 4.8649 b | 1.0854 | 123.246 b | 6.25388 b | 5.07827 b |
| BROND-3.1 | 6.7272 b | 6.7272 b | 7.3978 b | 1.09969 | 138.613 b | 6.25415 b | 5.07827 b |
| CENDL-3.2 | 5.44118 b | 5.44118 b | 5.8824 b | 1.08109 | 115.142 b | 6.21526 b | 5.007 b |
| TENDL-2019 | 6.8482 b | 6.8482 b | 7.5349 b | 1.10028 | 151.593 b | 5.76231 b | 4.79193 b |

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|------------------|------------------------|----------------|
| << 56-Ba-132 | 56-Ba-134 | 56-Ba-135 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



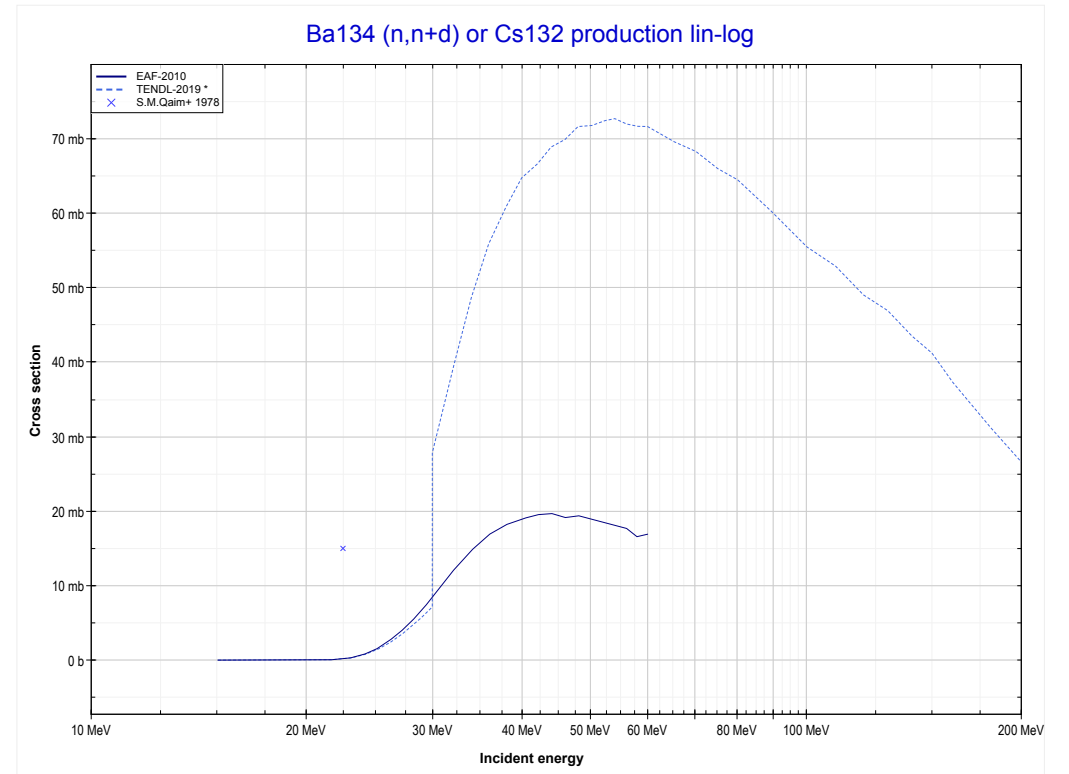
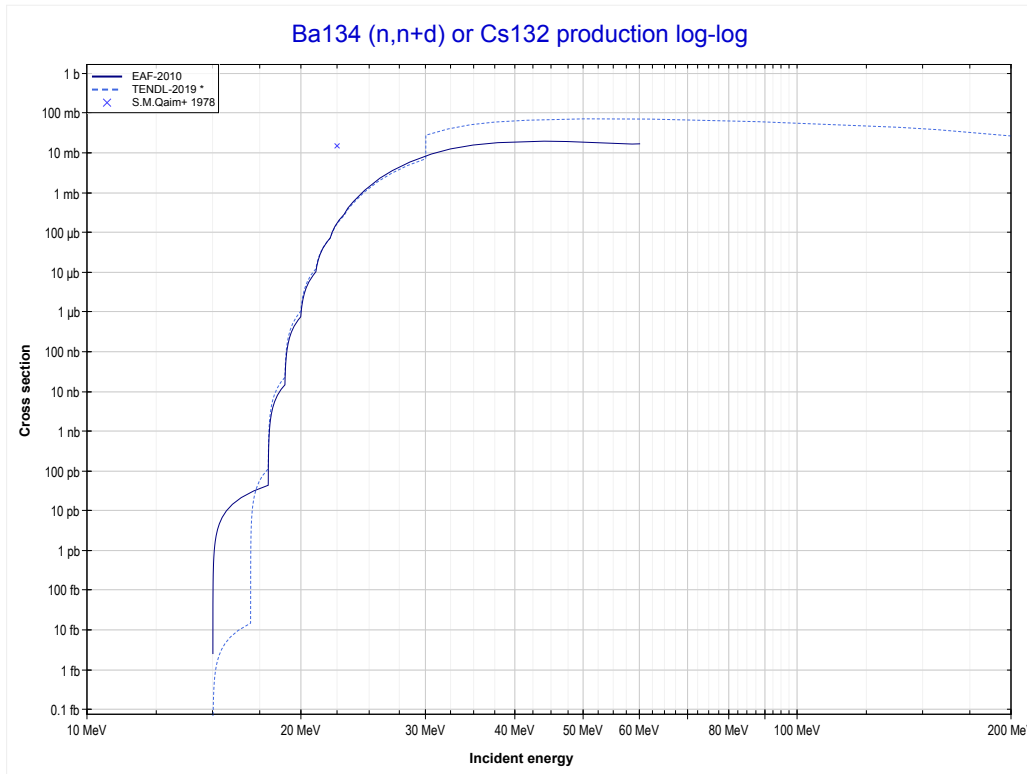
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.22309 b | 5.22309 b | 5.8931 b | 1.12828 | 117.156 b | 5.0689 b | 2.77496 b |
| JEFF-3.3 | 2.98119 b | 2.98119 b | 3.3635 b | 1.12825 | 101.591 b | 5.06861 b | 2.77496 b |
| JENDL-4.0u | 2.98119 b | 2.98119 b | 3.3635 b | 1.12825 | 101.591 b | 5.06861 b | 2.77496 b |
| BROND-3.1 | 5.22309 b | 5.22309 b | 5.8931 b | 1.12828 | 117.156 b | 5.0689 b | 2.77496 b |
| CENDL-3.2 | 3.43935 b | 3.43935 b | 3.8807 b | 1.12833 | 90.93 b | 4.81852 b | 2.893 b |
| TENDL-2019 | 5.34772 b | 5.34772 b | 6.0343 b | 1.12839 | 129.955 b | 4.44296 b | 2.74524 b |

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|--------------------|--|-----------------|
| << 56-Ba-132 | 56-Ba-134 | 56-Ba-136 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ba133 production) | MT32 (n,n+d) >> |



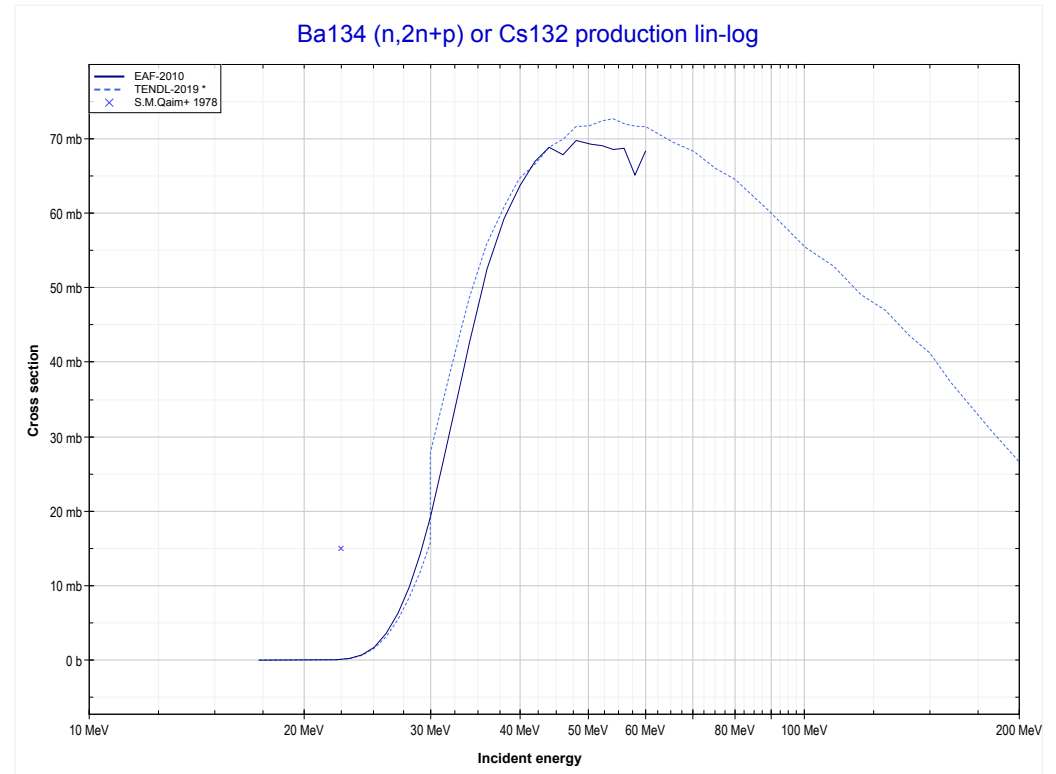
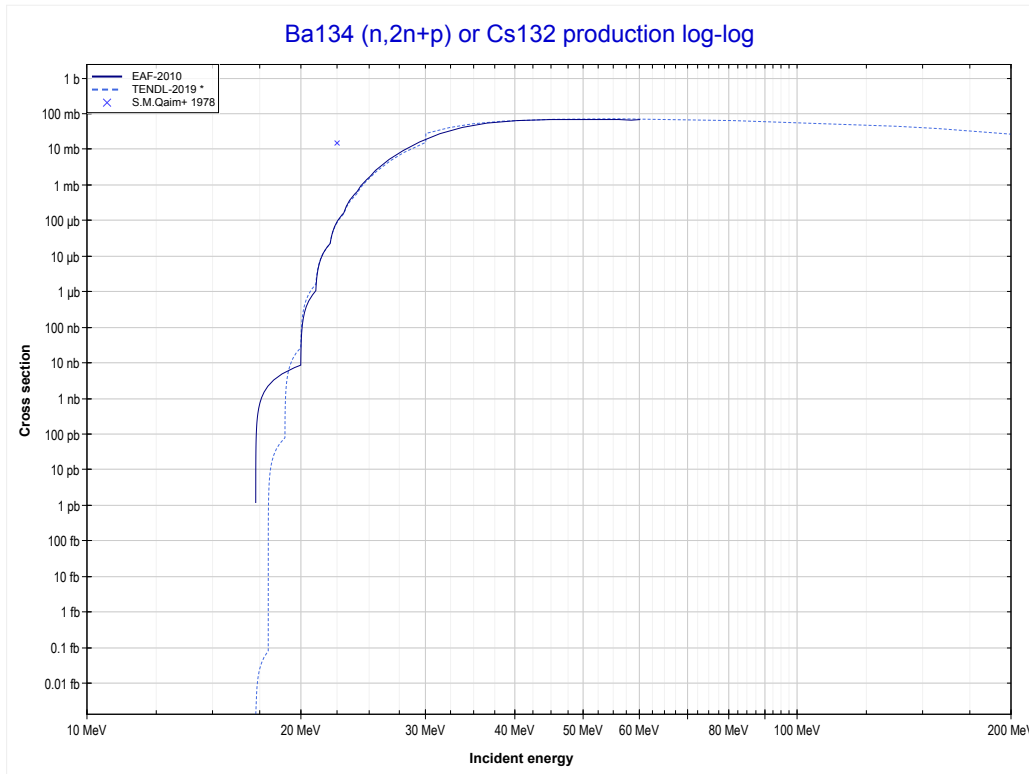
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00125046 b | 1.54347 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00125046 b | 1.54347 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00125046 b | 1.54347 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00125046 b | 1.54347 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130944 b | 1.5798 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00127462 b | 1.51489 b |

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|----------------|---|------------------|
| << 52-Te-128 | 56-Ba-134 | 59-Pr-141 >> |
| << MT16 (n,2n) | MT32 (n,n+d) or MT5 (Cs132 production) | MT41 (n,2n+p) >> |



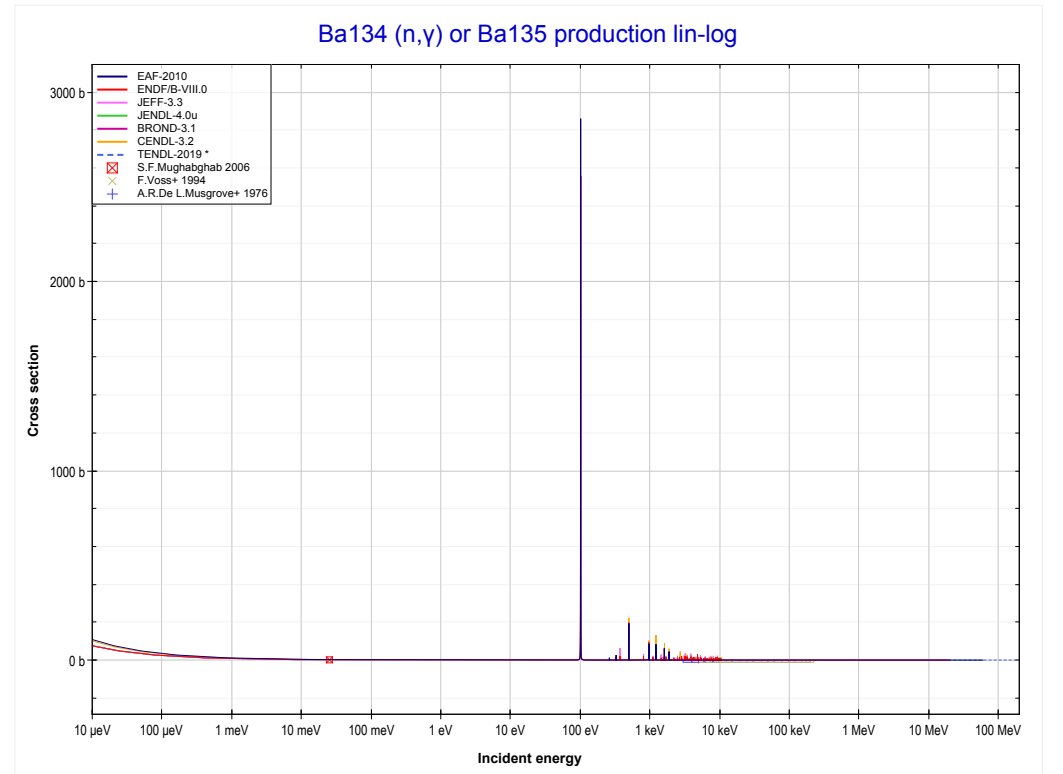
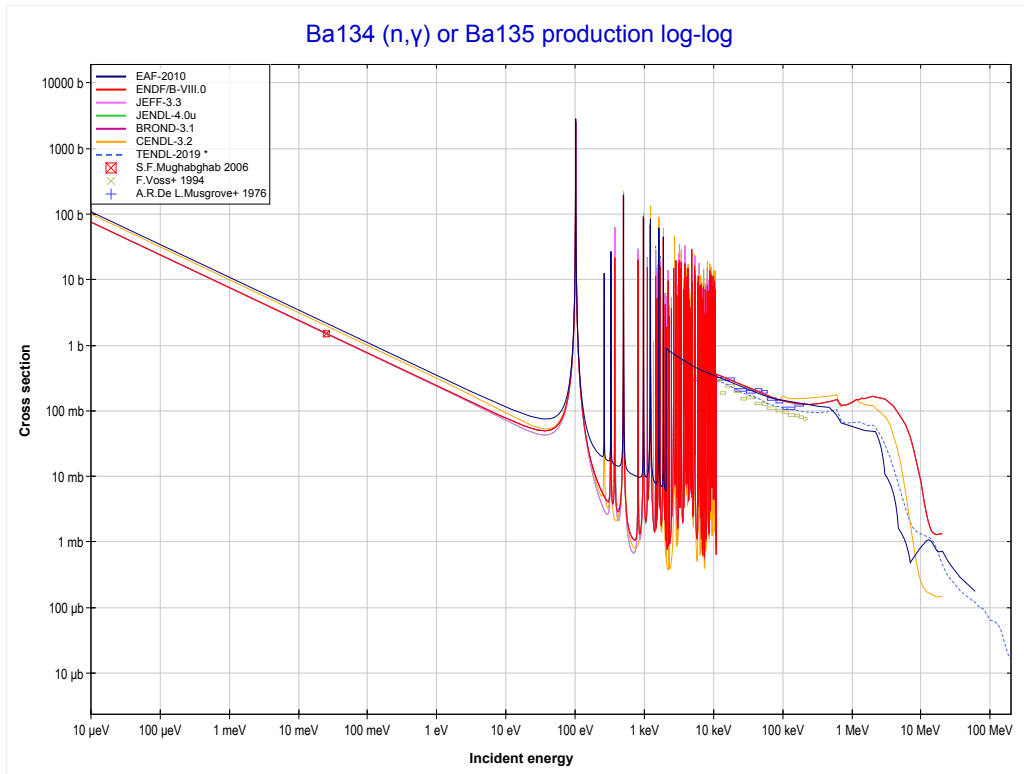
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.40861E-13 b | 0 b |

| | | |
|-----------------|--|-------------------------|
| << 52-Te-128 | 56-Ba-134 | 59-Pr-141 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Cs132 production) | MT102 (n, γ) >> |



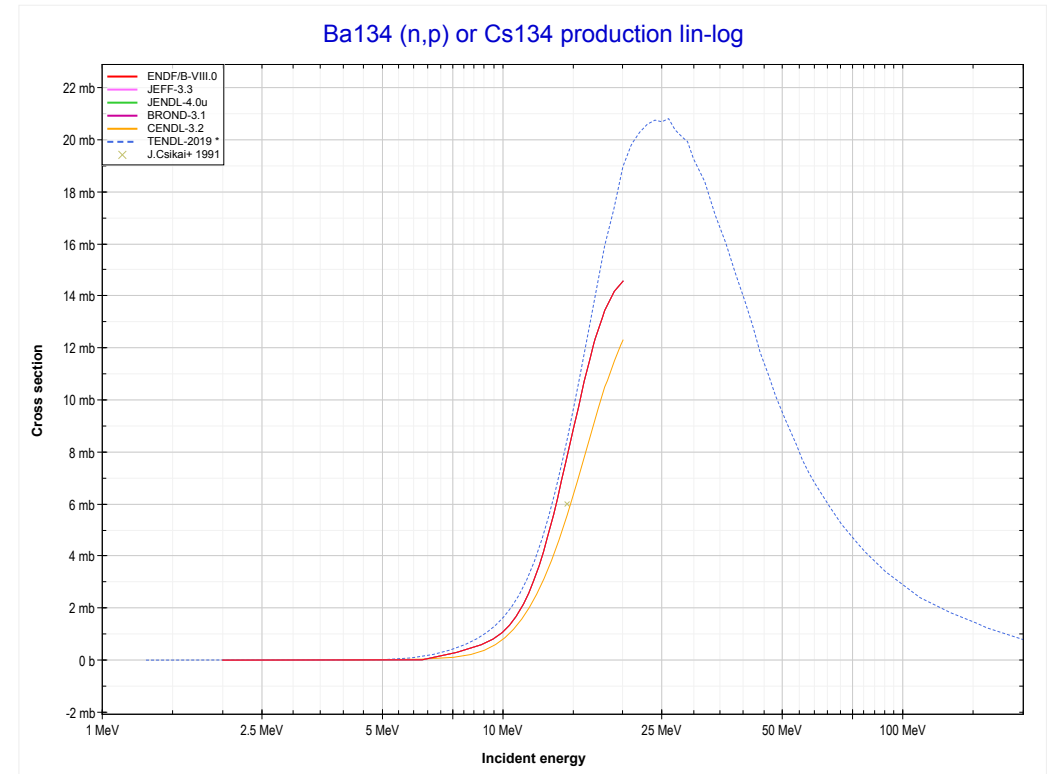
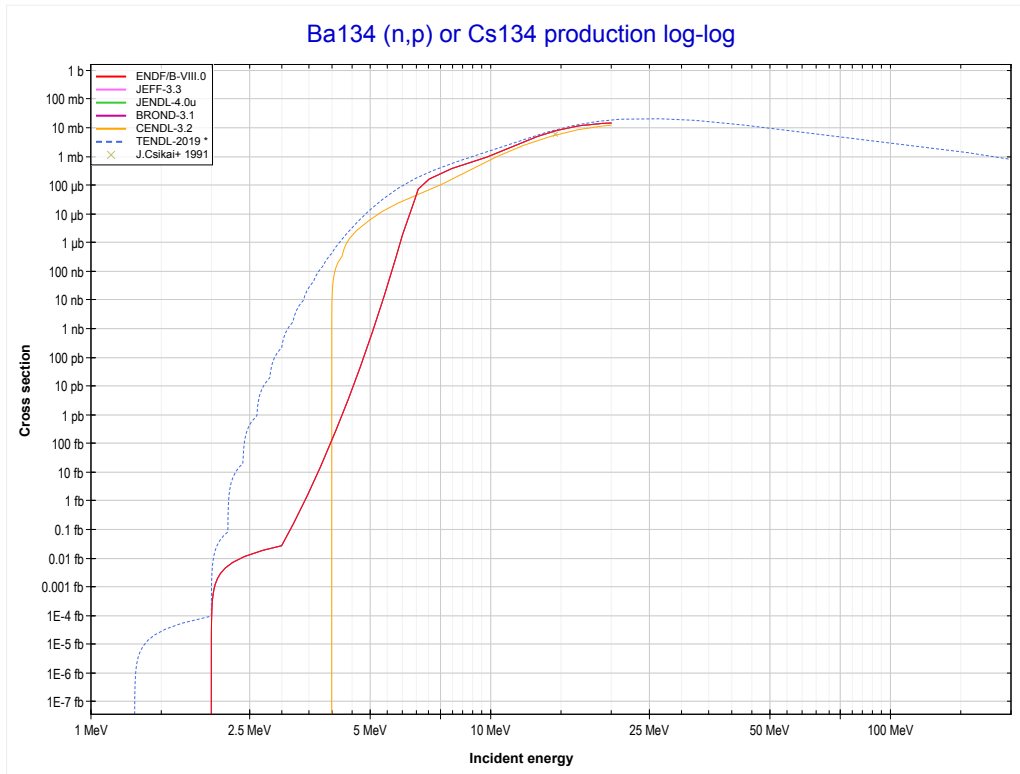
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.05568E-14 b | 0 b |

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|------------------|--|----------------|
| << 56-Ba-133 | 56-Ba-134 | 56-Ba-135 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Ba135 production) | MT103 (n,p) >> |



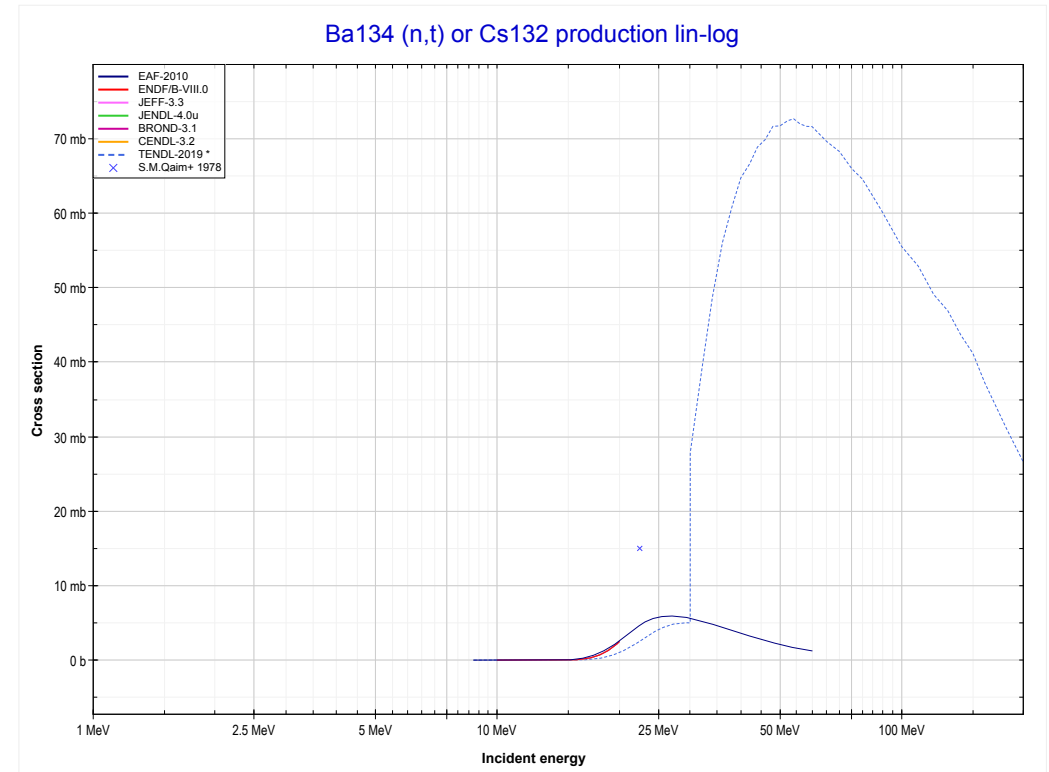
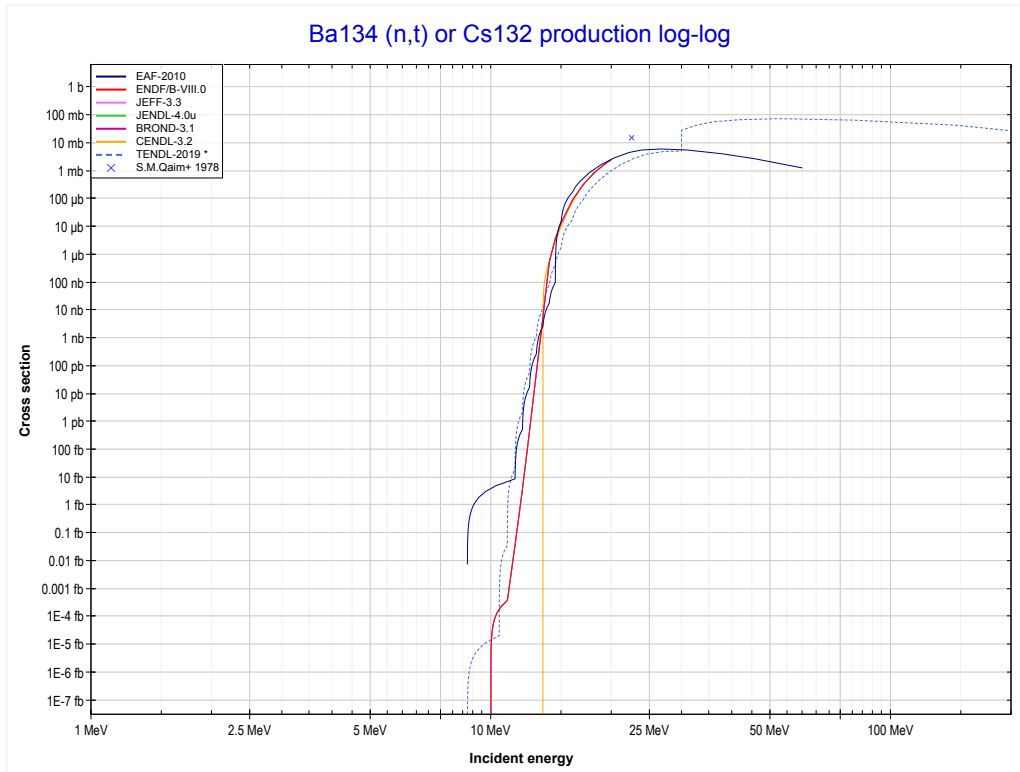
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.16063 b | 2.15901 b | 2.1585 b | 0.99977 | 24.3064 b | 0.0525547 b | 0.00104 b |
| ENDF/B-VIII.0 | 1.50412 b | 1.50412 b | 1.5047 b | 1.00041 | 21.4566 b | 0.137554 b | 0.00150556 b |
| JEFF-3.3 | 1.50096 b | 1.50096 b | 1.5014 b | 1.0003 | 21.6549 b | 0.137577 b | 0.00150556 b |
| JENDL-4.0u | 1.50096 b | 1.50096 b | 1.5014 b | 1.0003 | 21.6549 b | 0.137577 b | 0.00150556 b |
| BROND-3.1 | 1.50412 b | 1.50412 b | 1.5047 b | 1.00041 | 21.4566 b | 0.137554 b | 0.00150556 b |
| CENDL-3.2 | 2.00183 b | 2.00183 b | 2.0017 b | 0.99993 | 24.2078 b | 0.111439 b | 1.6072E-4 b |
| TENDL-2019 | 1.50048 b | 1.50048 b | 1.5006 b | 1.00006 | 21.6226 b | 0.0576518 b | 0.00111903 b |

| | | |
|-------------------------|--|----------------|
| << 56-Ba-132 | 56-Ba-134 | 56-Ba-135 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs134 production) | MT105 (n,t) >> |



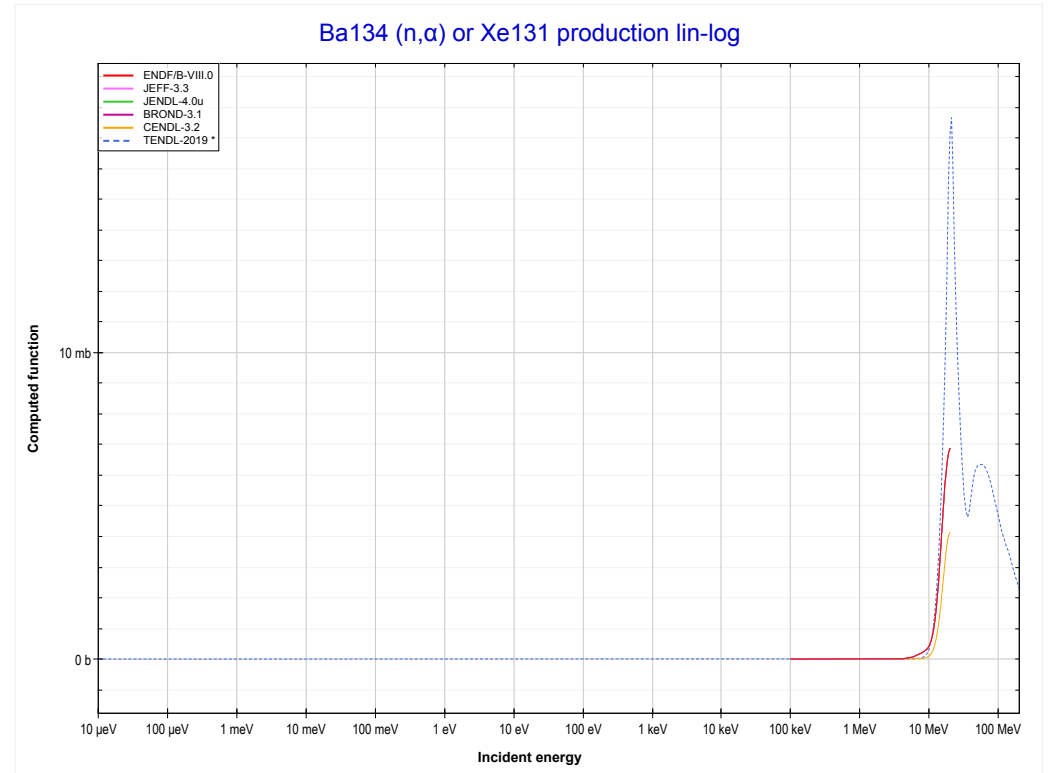
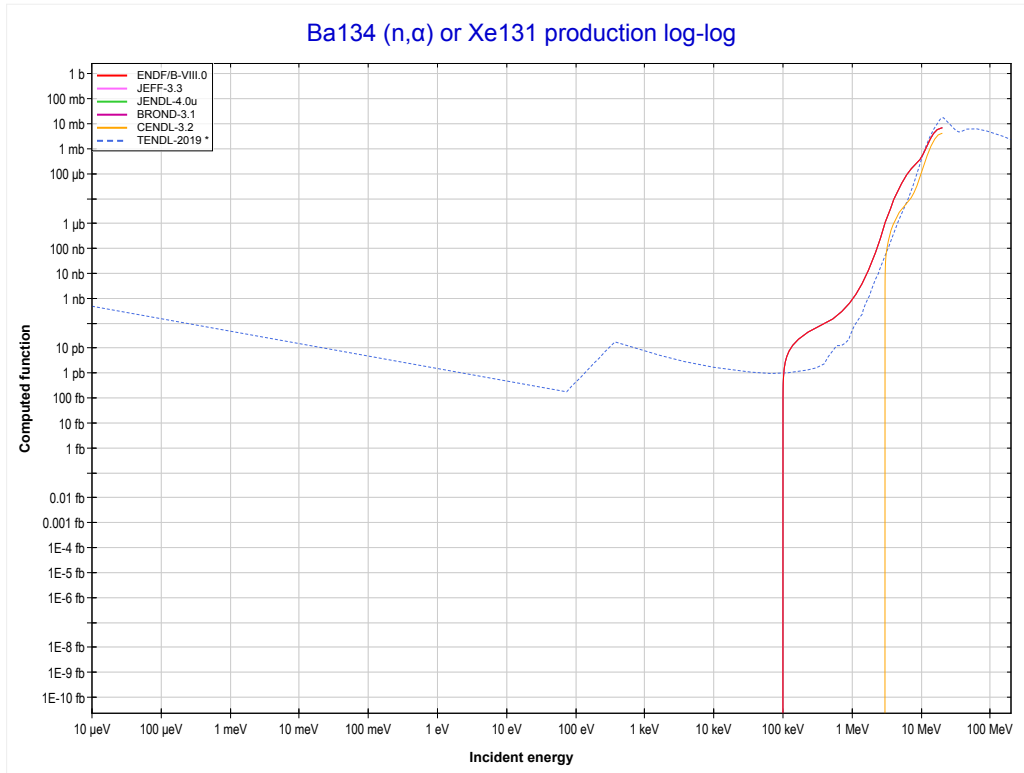
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14598E-5 b | 0.00683692 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14598E-5 b | 0.00683692 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.14598E-5 b | 0.00683692 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14598E-5 b | 0.00683692 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94933E-6 b | 0.0048423 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.91633E-5 b | 0.00742217 b |

| | | |
|----------------|--|-------------------------|
| << 52-Te-130 | 56-Ba-134 | 57-La-139 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Cs132 production) | MT107 (n, α) >> |



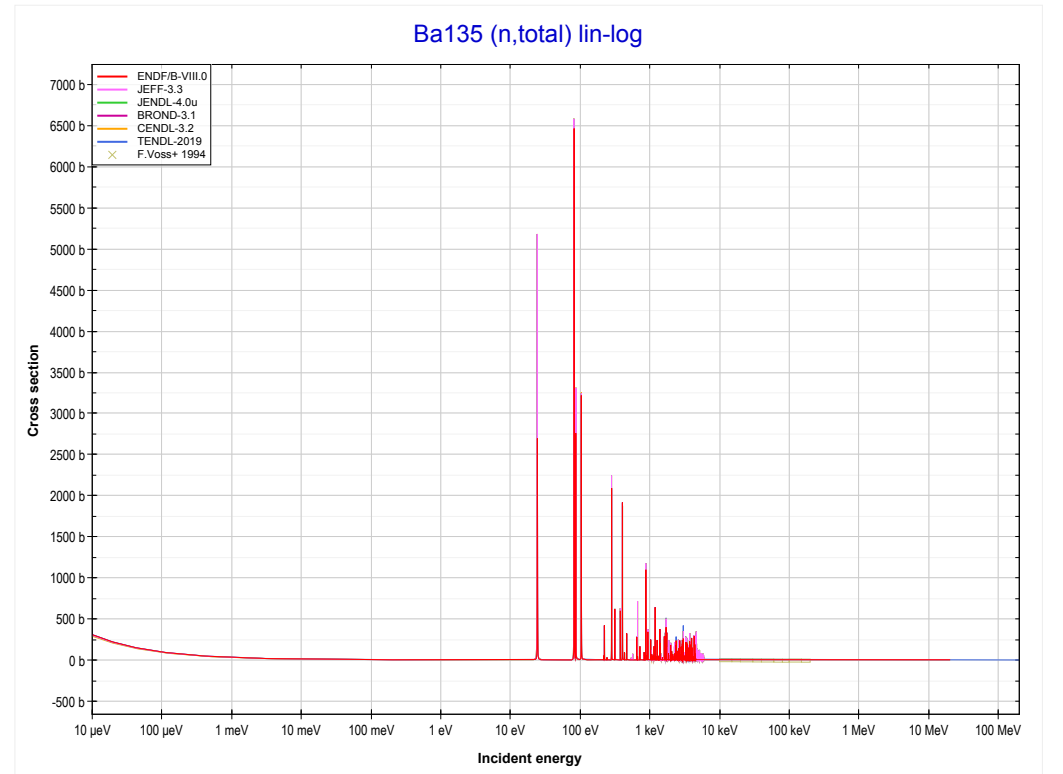
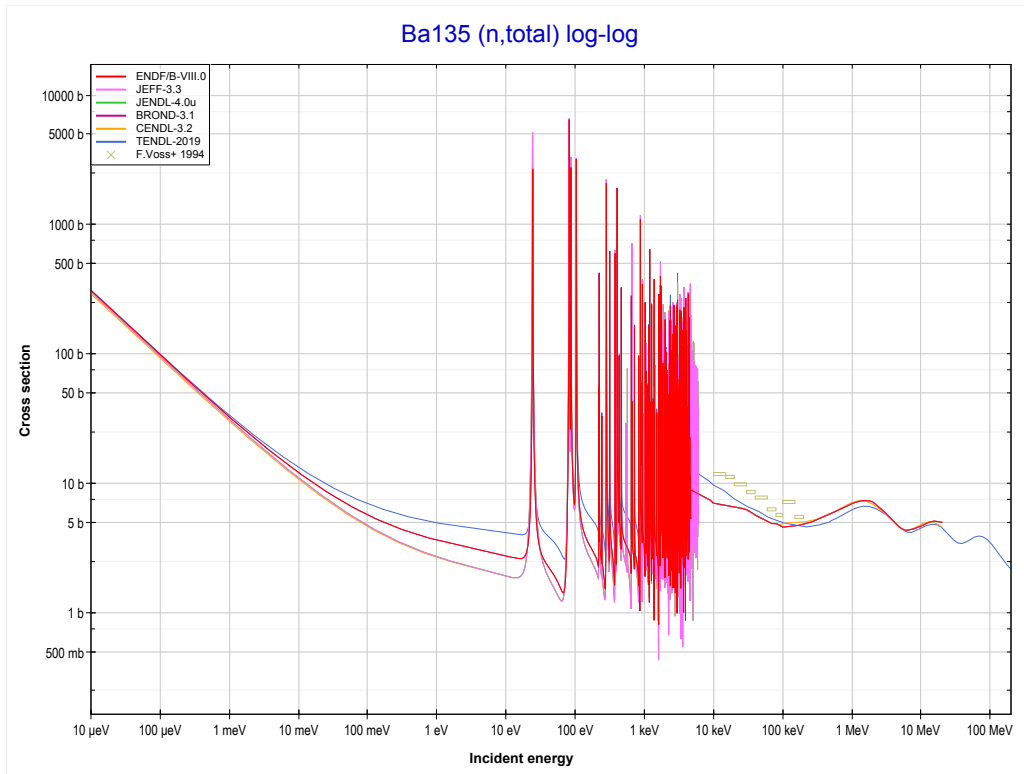
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.07225E-8 b | 1.73093E-8 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39605E-8 b | 5.17919E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39605E-8 b | 5.17919E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.39605E-8 b | 5.17919E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39605E-8 b | 5.17919E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38102E-8 b | 5.0209E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.76165E-9 b | 7.82269E-8 b |

| | | |
|----------------|--|----------------------------|
| << 55-Cs-133 | 56-Ba-134 | 56-Ba-136 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Xe131 production) | 56-Ba-135 MT1 (n,total) >> |



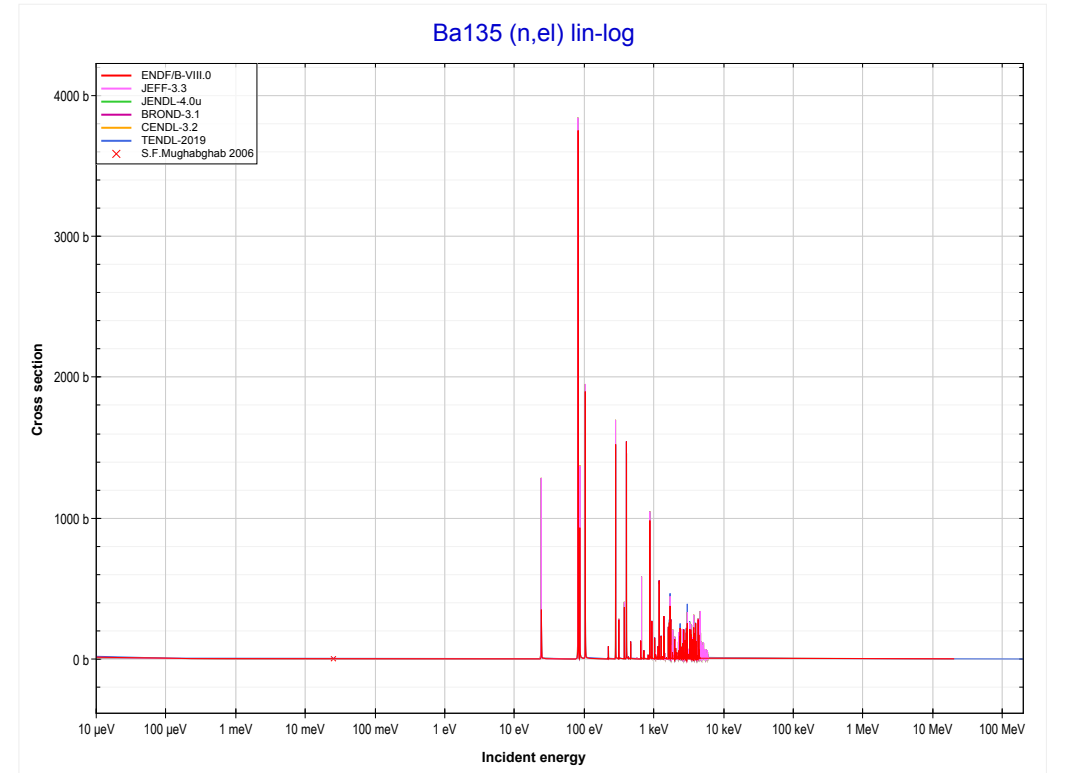
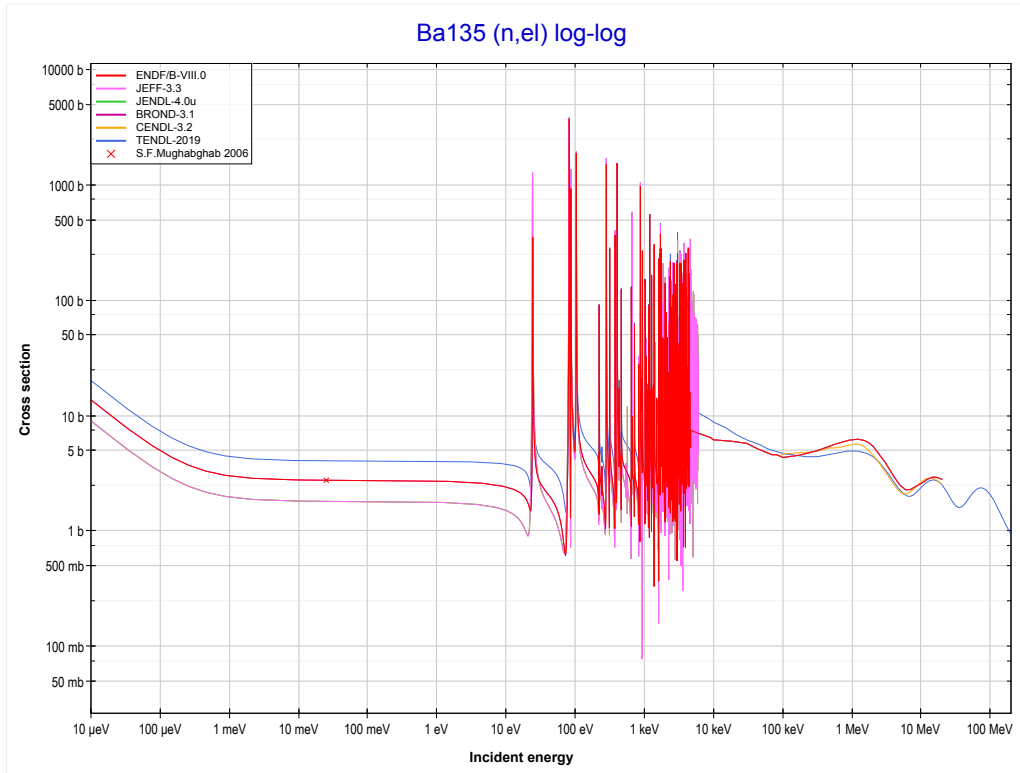
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 6.85068E-23 b | 9.61616E-6 b | 0.00290436 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.36975E-29 b | 9.61616E-6 b | 0.00290436 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.36975E-29 b | 9.61616E-6 b | 0.00290436 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 6.85078E-23 b | 9.61616E-6 b | 0.00290436 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54003E-6 b | 0.0013297 b |
| TENDL-2019 | 9.5962E-12 b | 9.5962E-12 b | 9.5894E-12 b | 0.99929 | 3.35229E-11 b | 3.89566E-6 b | 0.00387665 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 56-Ba-134 | 56-Ba-135 | 56-Ba-136 >> |
| << 56-Ba-134 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



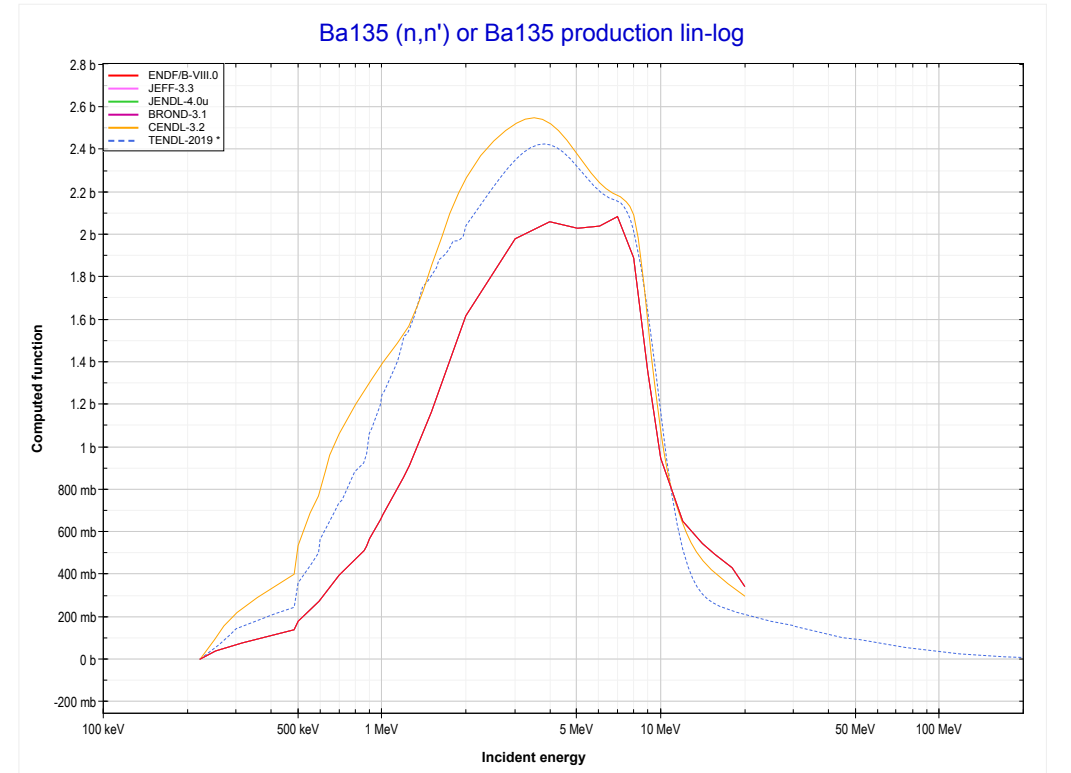
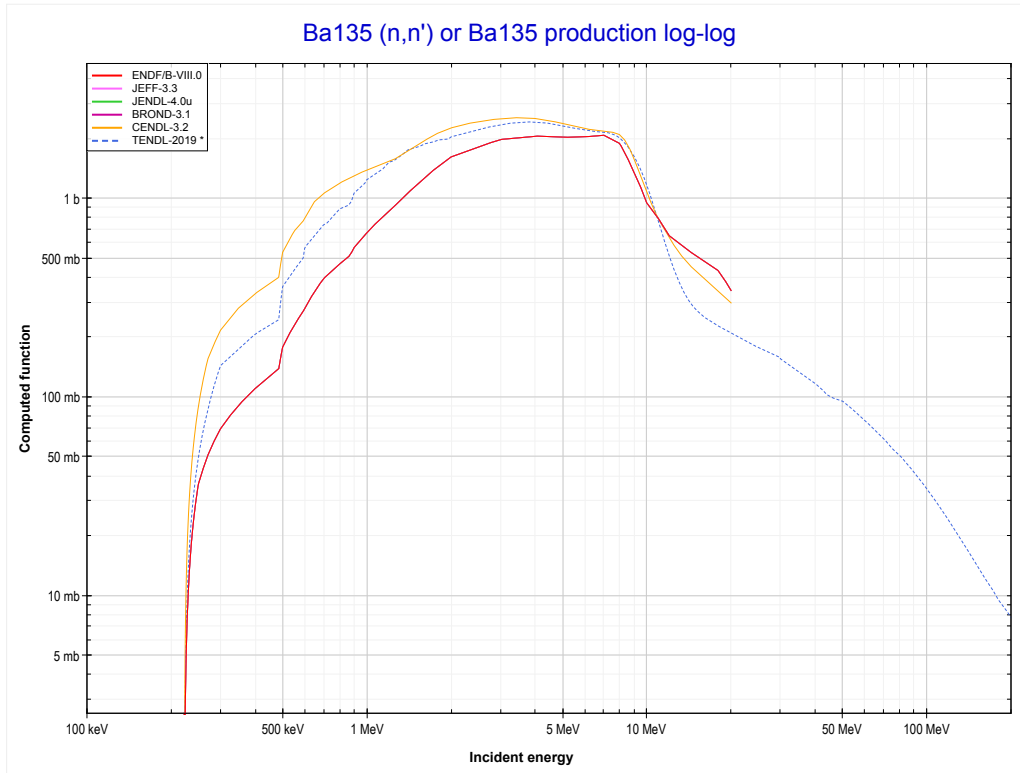
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.62174 b | 8.62174 b | 8.9755 b | 1.04104 | 237.474 b | 6.23992 b | 5.078 b |
| JEFF-3.3 | 7.60184 b | 7.60184 b | 7.8356 b | 1.03076 | 288.028 b | 6.24098 b | 5.078 b |
| JENDL-4.0u | 7.60184 b | 7.60184 b | 7.8356 b | 1.03076 | 288.028 b | 6.24098 b | 5.078 b |
| BROND-3.1 | 8.62174 b | 8.62174 b | 8.9755 b | 1.04104 | 237.474 b | 6.23992 b | 5.078 b |
| CENDL-3.2 | 7.41044 b | 7.41044 b | 7.6425 b | 1.03131 | 287.962 b | 6.22551 b | 5.007 b |
| TENDL-2019 | 9.84668 b | 9.84668 b | 10.367 b | 1.05284 | 253.639 b | 5.78492 b | 4.81036 b |

| | | |
|------------------|------------------------|---------------|
| << 56-Ba-134 | 56-Ba-135 | 56-Ba-136 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



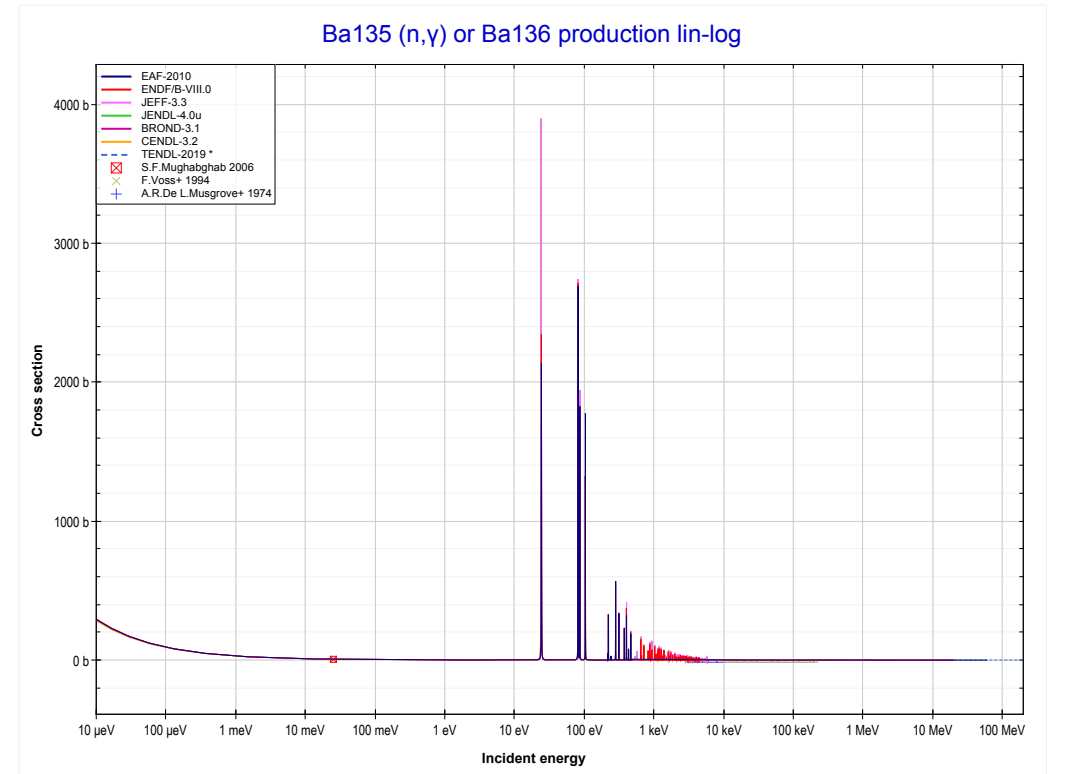
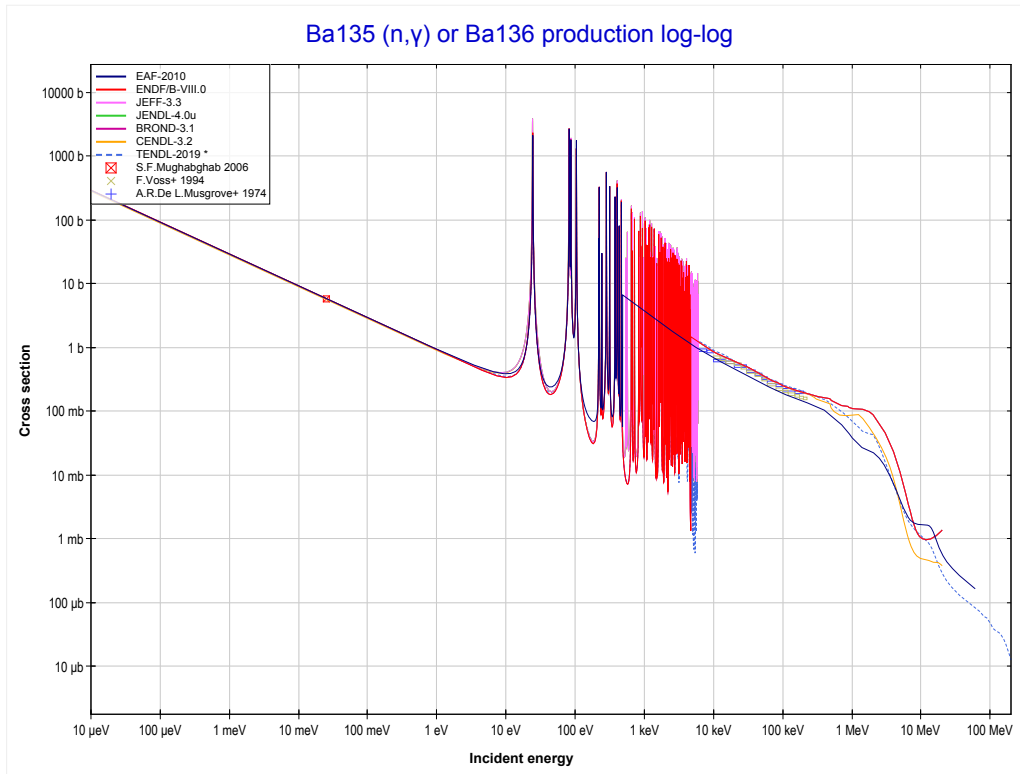
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.75004 b | 2.75004 b | 3.1021 b | 1.12802 | 135.469 b | 4.96989 b | 2.9094 b |
| JEFF-3.3 | 1.8044 b | 1.8044 b | 2.0353 b | 1.12797 | 157.263 b | 4.97079 b | 2.9094 b |
| JENDL-4.0u | 1.8044 b | 1.8044 b | 2.0353 b | 1.12797 | 157.263 b | 4.97079 b | 2.9094 b |
| BROND-3.1 | 2.75004 b | 2.75004 b | 3.1021 b | 1.12802 | 135.469 b | 4.96989 b | 2.9094 b |
| CENDL-3.2 | 1.8044 b | 1.8044 b | 2.0354 b | 1.12804 | 157.27 b | 4.45574 b | 2.8864 b |
| TENDL-2019 | 4.05012 b | 4.05012 b | 4.5698 b | 1.12832 | 154.508 b | 4.1614 b | 2.75914 b |

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|--------------------|---|-------------------------|
| << 53-I-127 | 56-Ba-135 | 56-Ba-136 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ba135 production) | MT102 (n, γ) >> |



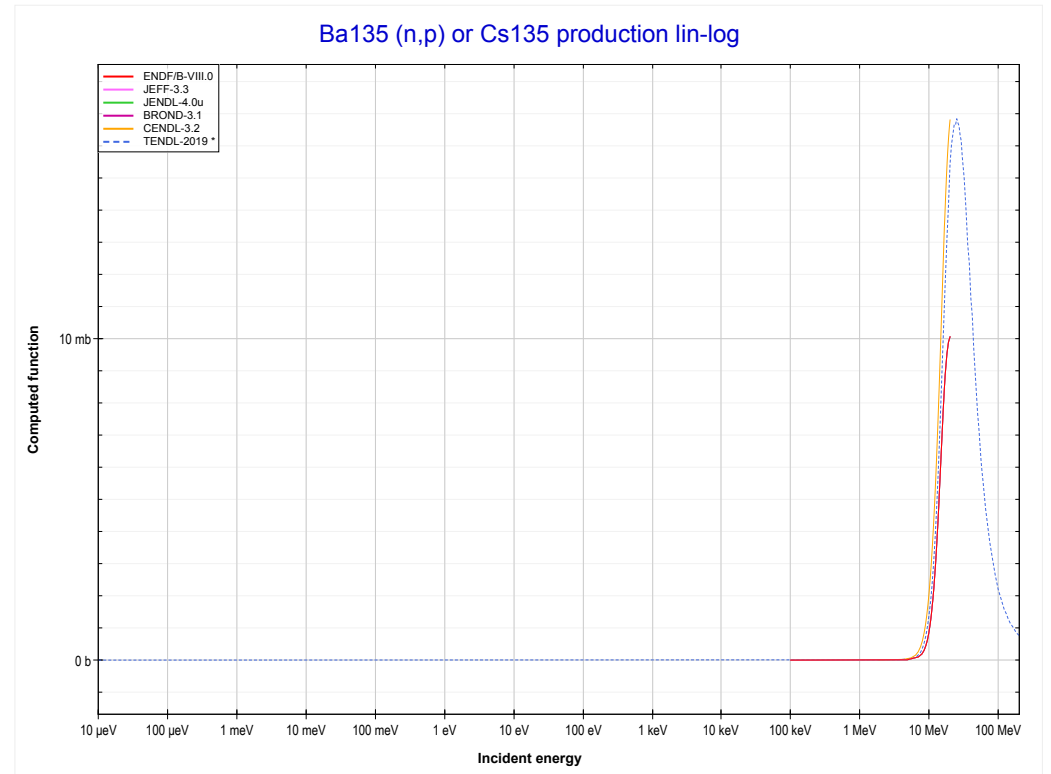
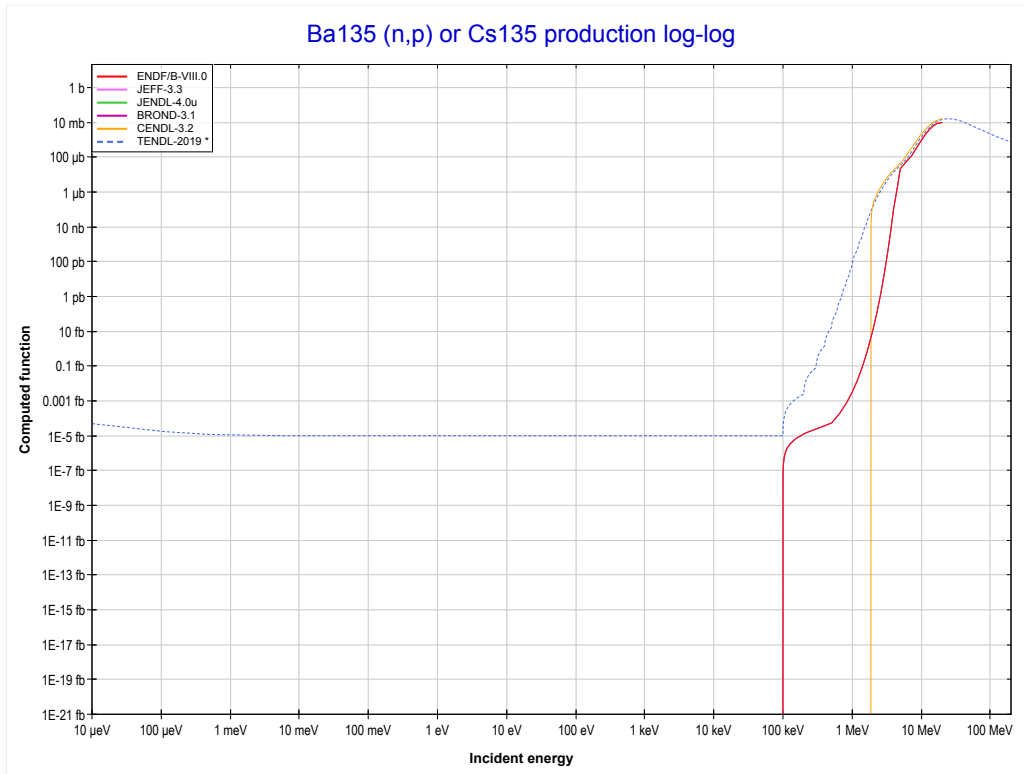
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16648 b | 0.548431 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16648 b | 0.548431 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.16648 b | 0.548431 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16648 b | 0.548431 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.69374 b | 0.47195 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55009 b | 0.310968 b |

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|---------------|--|----------------|
| << 56-Ba-134 | 56-Ba-135 | 56-Ba-136 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Ba136 production) | MT103 (n,p) >> |



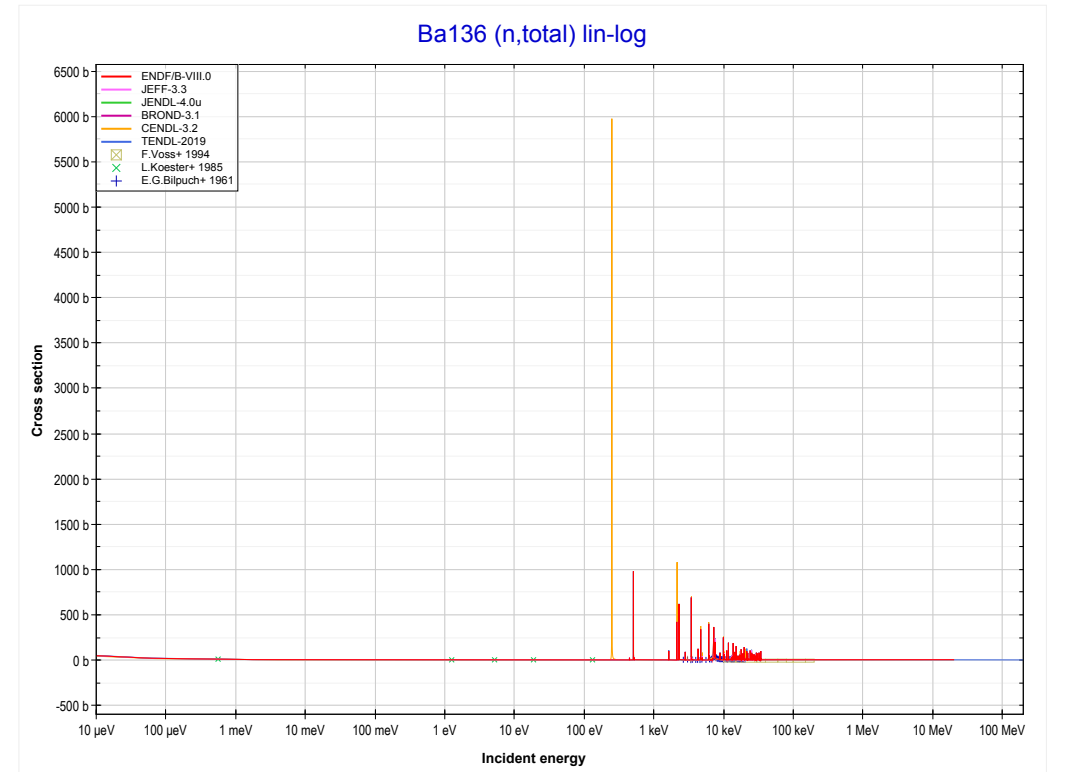
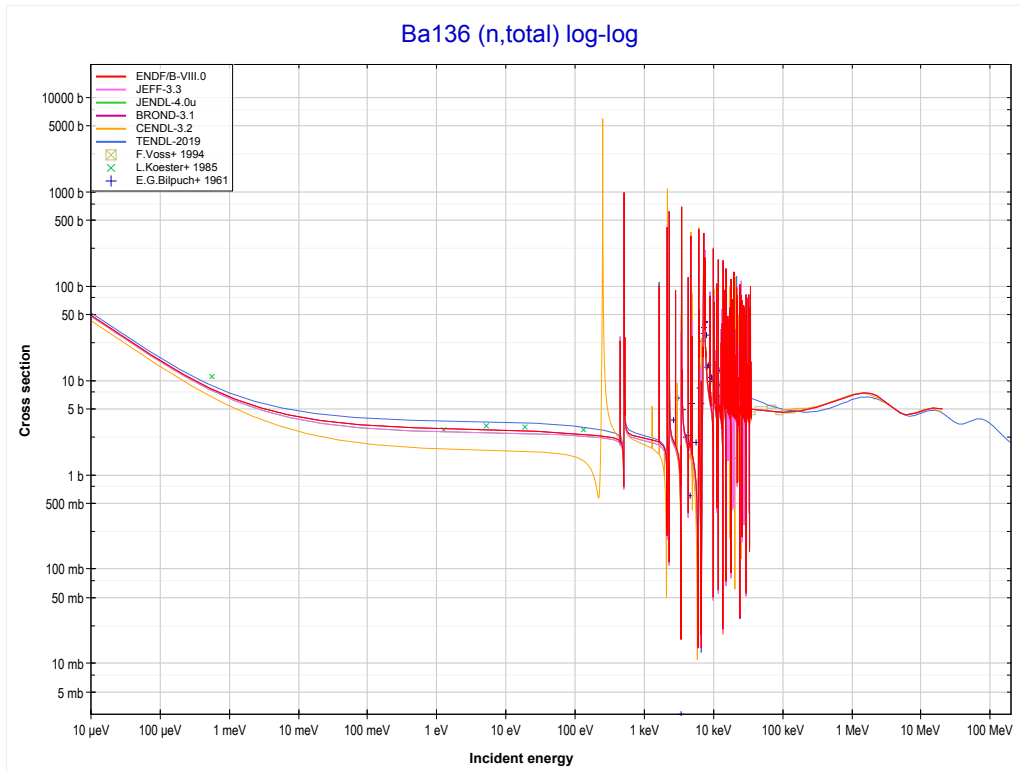
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.814 b | 5.80965 b | 5.8098 b | 1.00003 | 101.463 b | 0.0426733 b | 0.00149513 b |
| ENDF/B-VIII.0 | 5.8717 b | 5.8717 b | 5.8734 b | 1.0003 | 102.005 b | 0.0968631 b | 0.00100183 b |
| JEFF-3.3 | 5.79744 b | 5.79744 b | 5.8003 b | 1.0005 | 130.765 b | 0.0970266 b | 0.00100183 b |
| JENDL-4.0u | 5.79744 b | 5.79744 b | 5.8003 b | 1.0005 | 130.765 b | 0.0970266 b | 0.00100183 b |
| BROND-3.1 | 5.8717 b | 5.8717 b | 5.8734 b | 1.0003 | 102.005 b | 0.0968631 b | 0.00100183 b |
| CENDL-3.2 | 5.60604 b | 5.60604 b | 5.607 b | 1.00018 | 130.683 b | 0.0709126 b | 4.396E-4 b |
| TENDL-2019 | 5.79656 b | 5.79656 b | 5.7971 b | 1.0001 | 99.1144 b | 0.0662835 b | 7.43169E-4 b |

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|-------------------------|--|----------------------------|
| << 56-Ba-134 | 56-Ba-135 | 56-Ba-136 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs135 production) | 56-Ba-136 MT1 (n,total) >> |



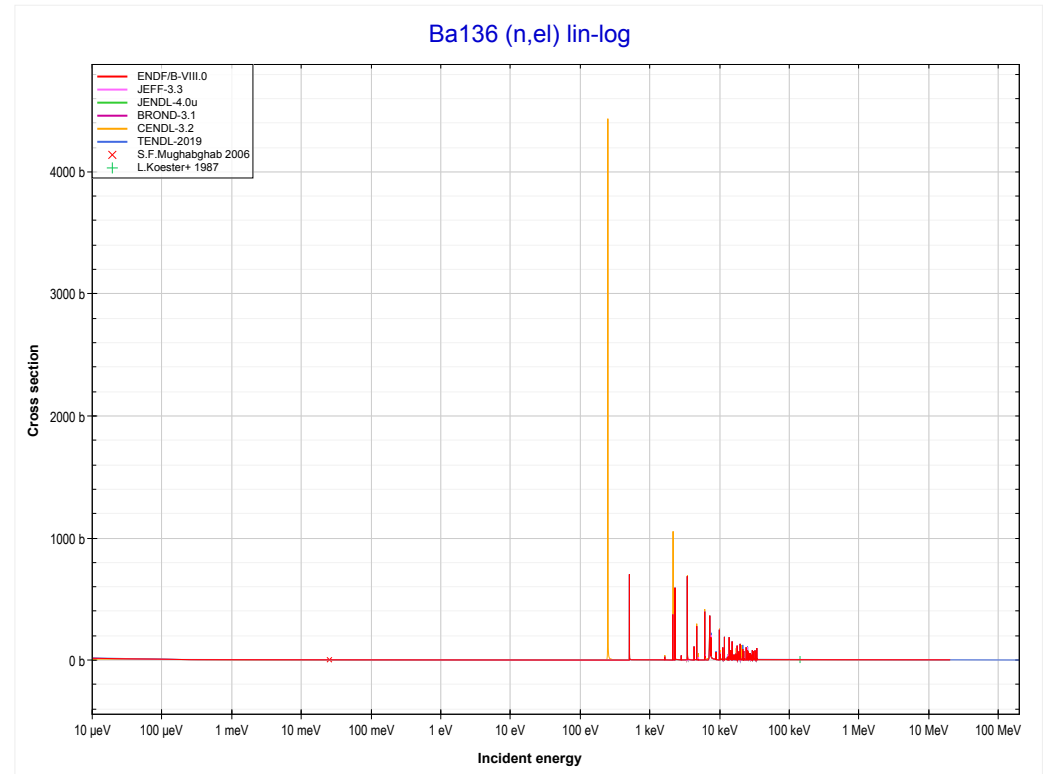
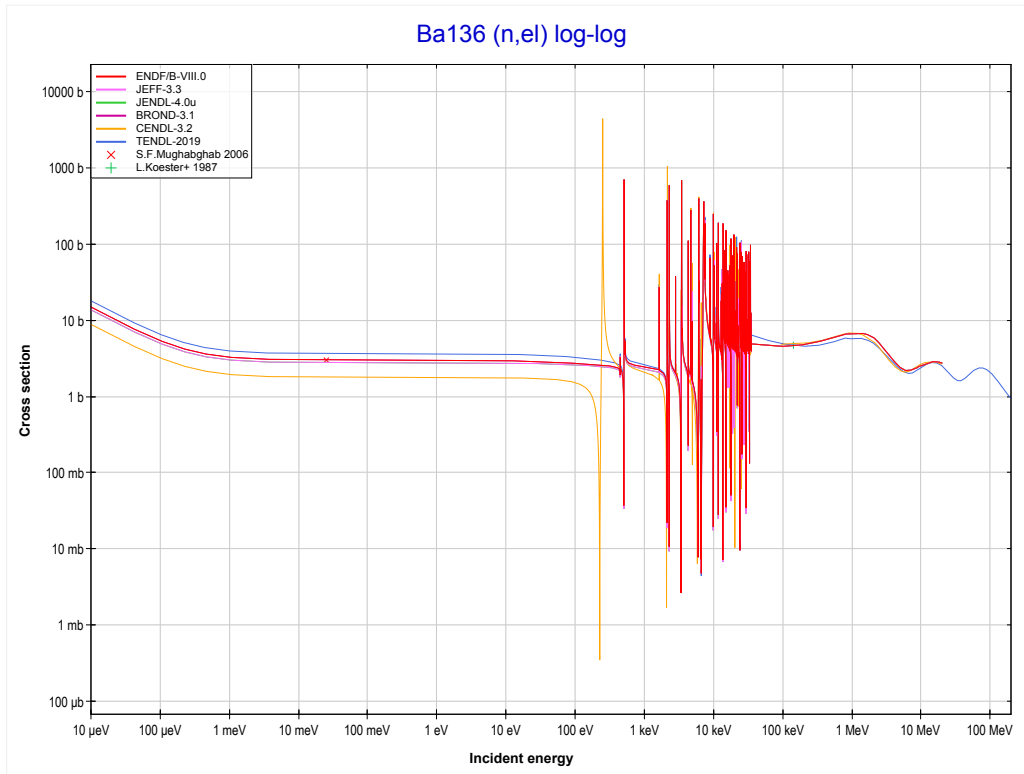
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.61118E-32 b | 1.02196E-5 b | 0.00517967 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.22086E-39 b | 1.02196E-5 b | 0.00517967 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 5.22098E-39 b | 1.02196E-5 b | 0.00517967 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.6111E-32 b | 1.02196E-5 b | 0.00517967 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55347E-5 b | 0.0086063 b |
| TENDL-2019 | 1.0037E-20 b | 1.0037E-20 b | 1.1327E-20 b | 1.12848 | 1.2207E-19 b | 1.72915E-5 b | 0.00668832 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 56-Ba-135 | 56-Ba-136 | 56-Ba-137 >> |
| << 56-Ba-135 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



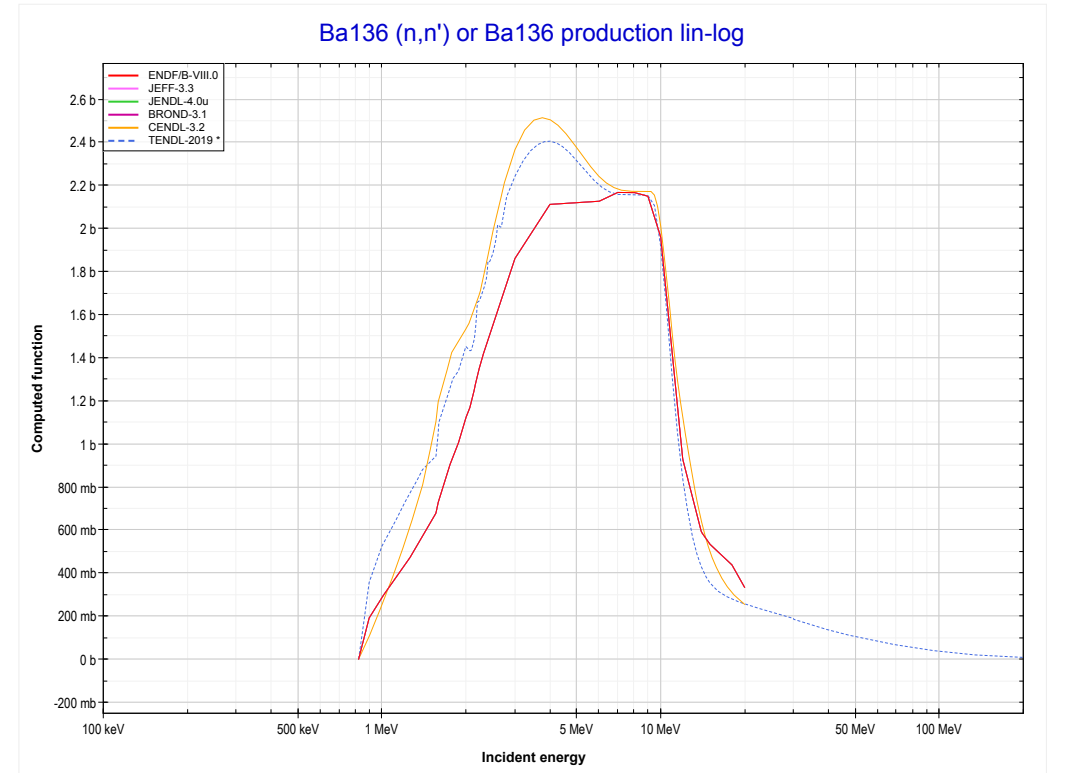
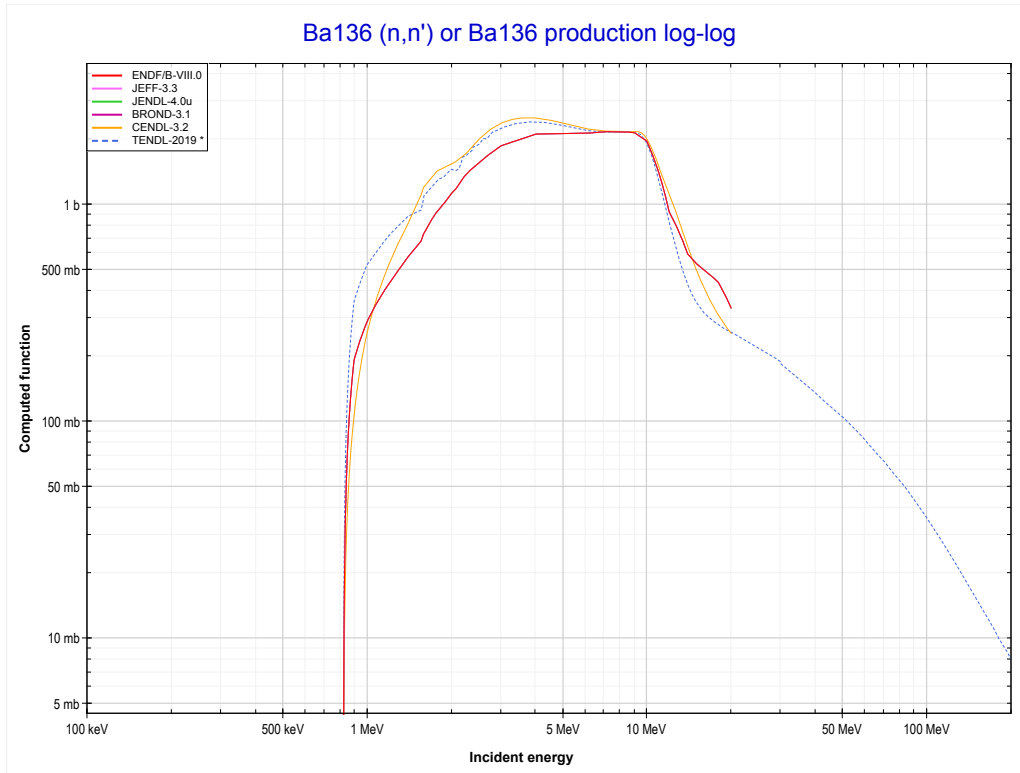
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.684 b | 3.684 b | 4.0697 b | 1.10469 | 58.6292 b | 6.25066 b | 5.07791 b |
| JEFF-3.3 | 3.44352 b | 3.44352 b | 3.7984 b | 1.10306 | 56.7892 b | 6.25027 b | 5.07791 b |
| JENDL-4.0u | 3.44352 b | 3.44352 b | 3.7984 b | 1.10306 | 56.7892 b | 6.25027 b | 5.07791 b |
| BROND-3.1 | 3.684 b | 3.684 b | 4.0697 b | 1.10469 | 58.6292 b | 6.25066 b | 5.07791 b |
| CENDL-3.2 | 2.46325 b | 2.46325 b | 2.6923 b | 1.093 | 98.1073 b | 6.21941 b | 5.007 b |
| TENDL-2019 | 4.30975 b | 4.30975 b | 4.7759 b | 1.10816 | 63.983 b | 5.80042 b | 4.82646 b |

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|------------------|------------------------|---------------|
| << 56-Ba-135 | 56-Ba-136 | 56-Ba-137 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



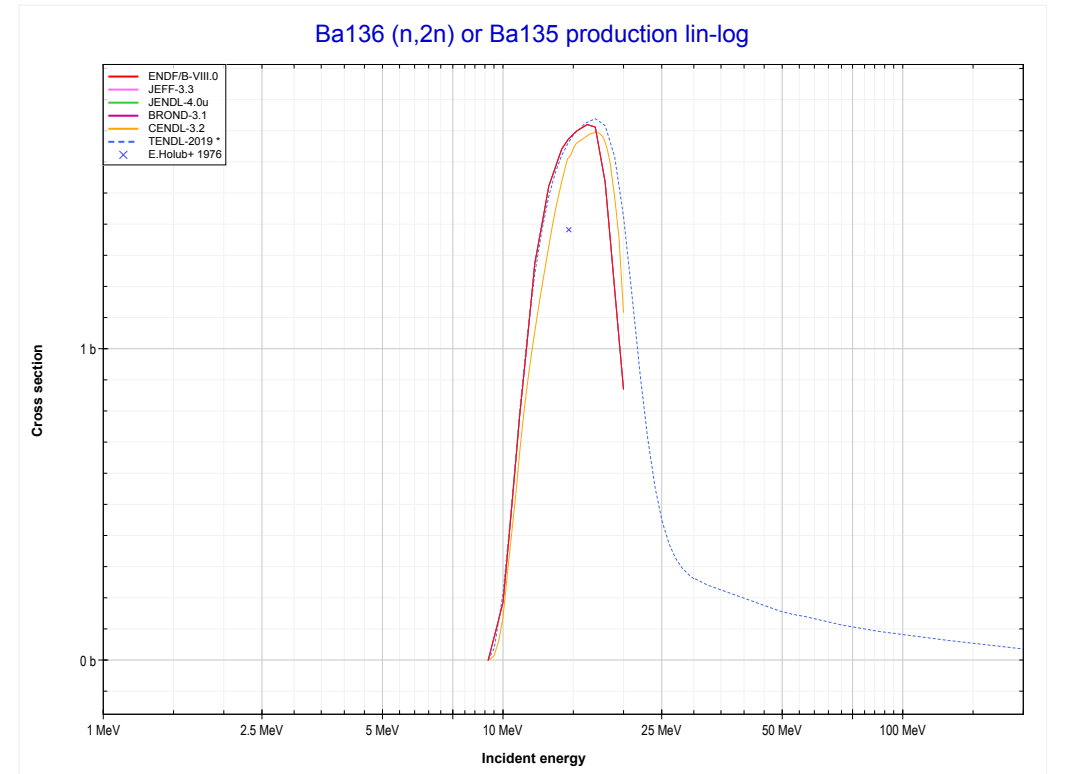
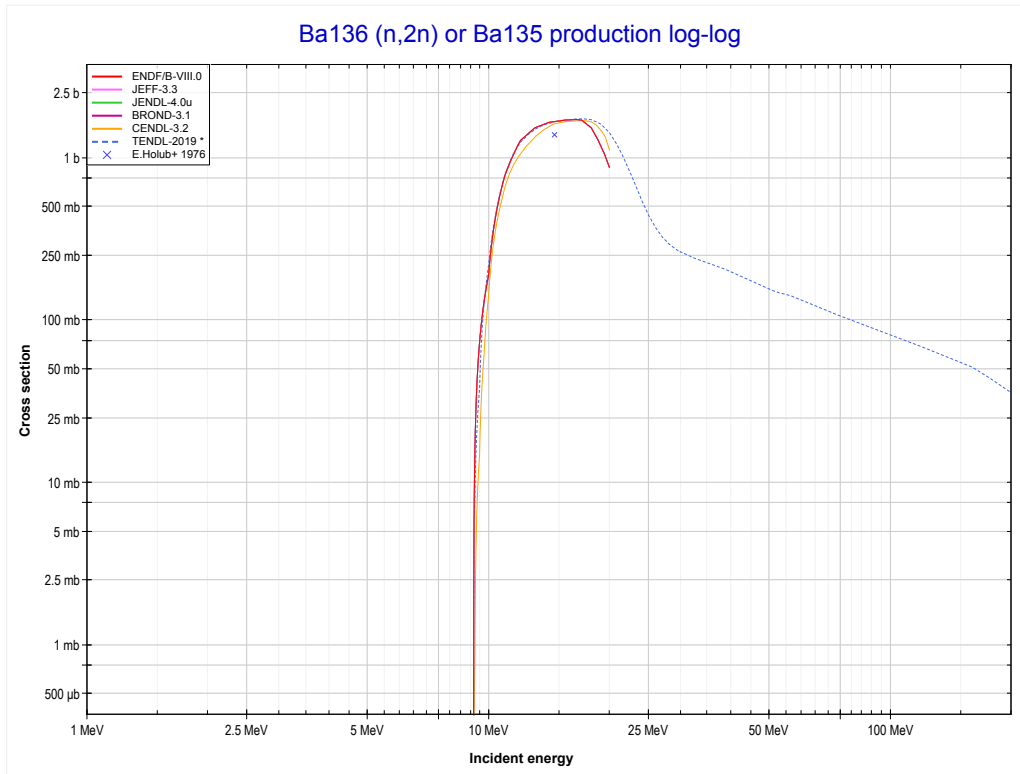
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.00453 b | 3.00453 b | 3.3901 b | 1.12832 | 56.9134 b | 5.29924 b | 2.83966 b |
| JEFF-3.3 | 2.76316 b | 2.76316 b | 3.1178 b | 1.12835 | 55.0226 b | 5.29886 b | 2.83966 b |
| JENDL-4.0u | 2.76316 b | 2.76316 b | 3.1178 b | 1.12835 | 55.0226 b | 5.29886 b | 2.83966 b |
| BROND-3.1 | 3.00453 b | 3.00453 b | 3.3901 b | 1.12832 | 56.9134 b | 5.29924 b | 2.83966 b |
| CENDL-3.2 | 1.783 b | 1.783 b | 2.012 b | 1.12842 | 84.8624 b | 5.05217 b | 2.8247 b |
| TENDL-2019 | 3.63033 b | 3.63033 b | 4.0965 b | 1.12841 | 62.2526 b | 4.64741 b | 2.77296 b |

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|--------------------|---|----------------|
| << 56-Ba-135 | 56-Ba-136 | 56-Ba-137 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ba136 production) | MT16 (n,2n) >> |



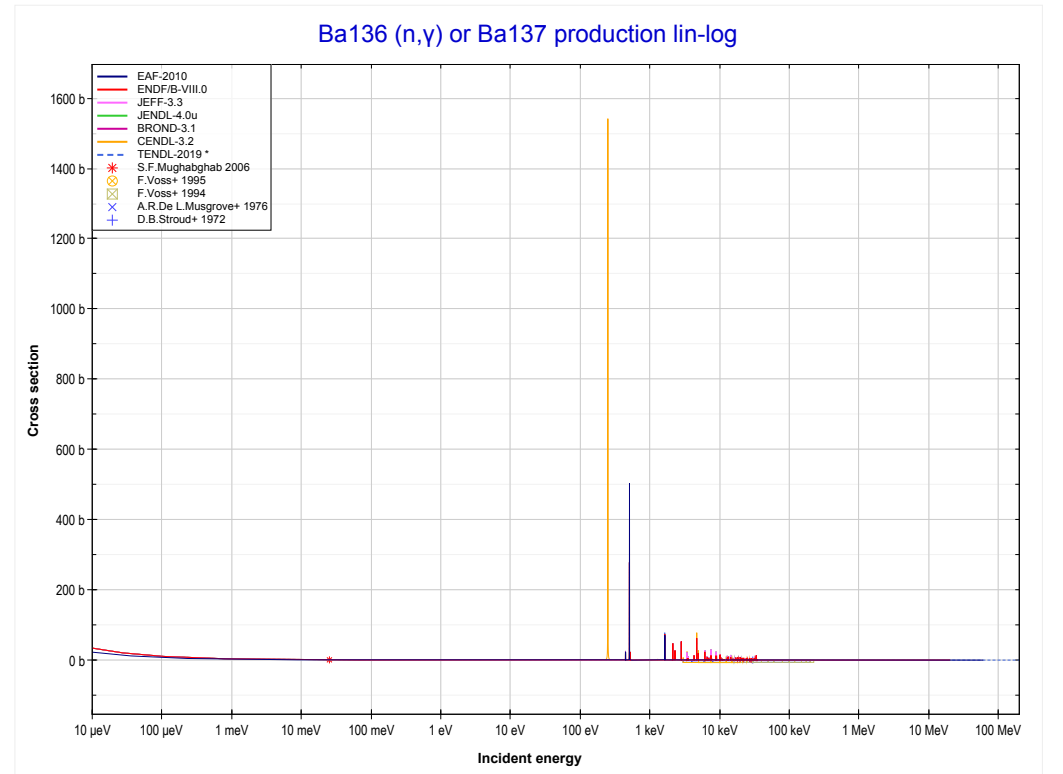
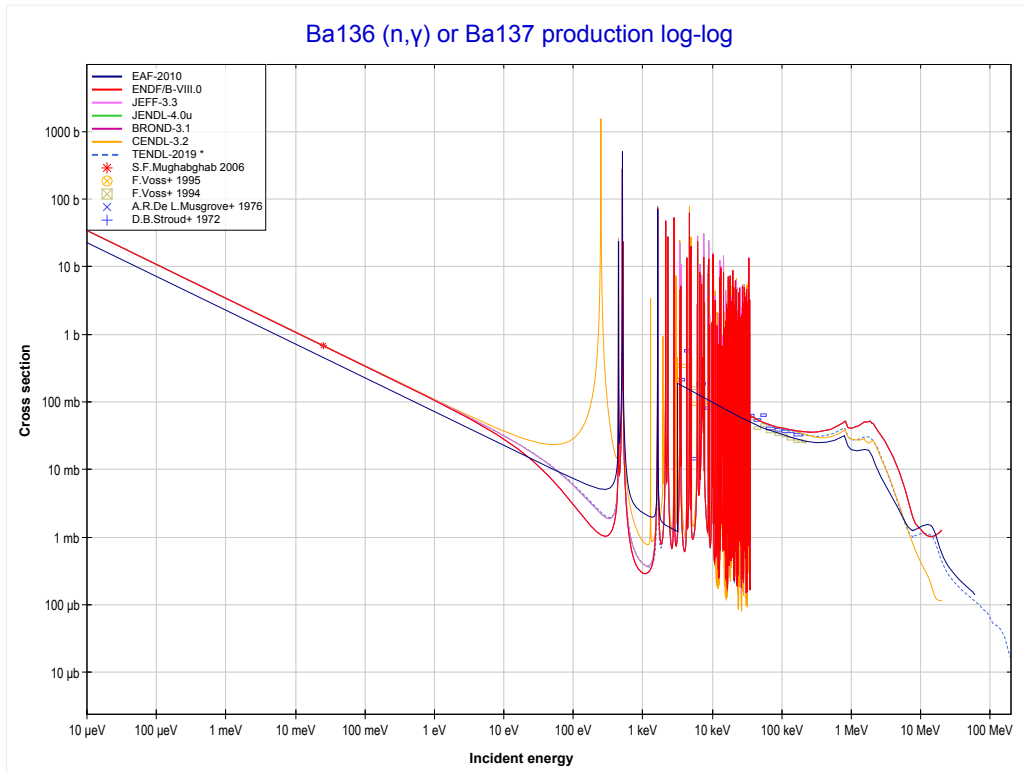
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.912834 b | 0.59019 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.912834 b | 0.59019 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.912834 b | 0.59019 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.912834 b | 0.59019 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14282 b | 0.64097 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12674 b | 0.426769 b |

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|---------------|--|-------------------------|
| << 56-Ba-134 | 56-Ba-136 | 56-Ba-137 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ba135 production) | MT102 (n, γ) >> |



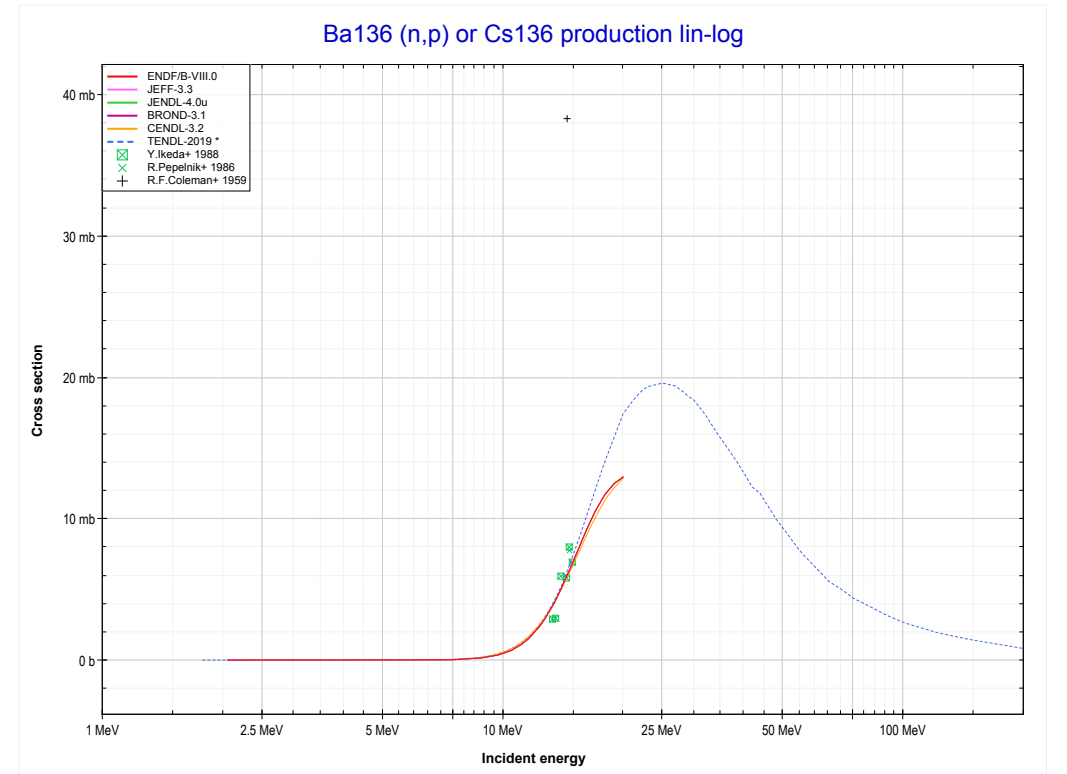
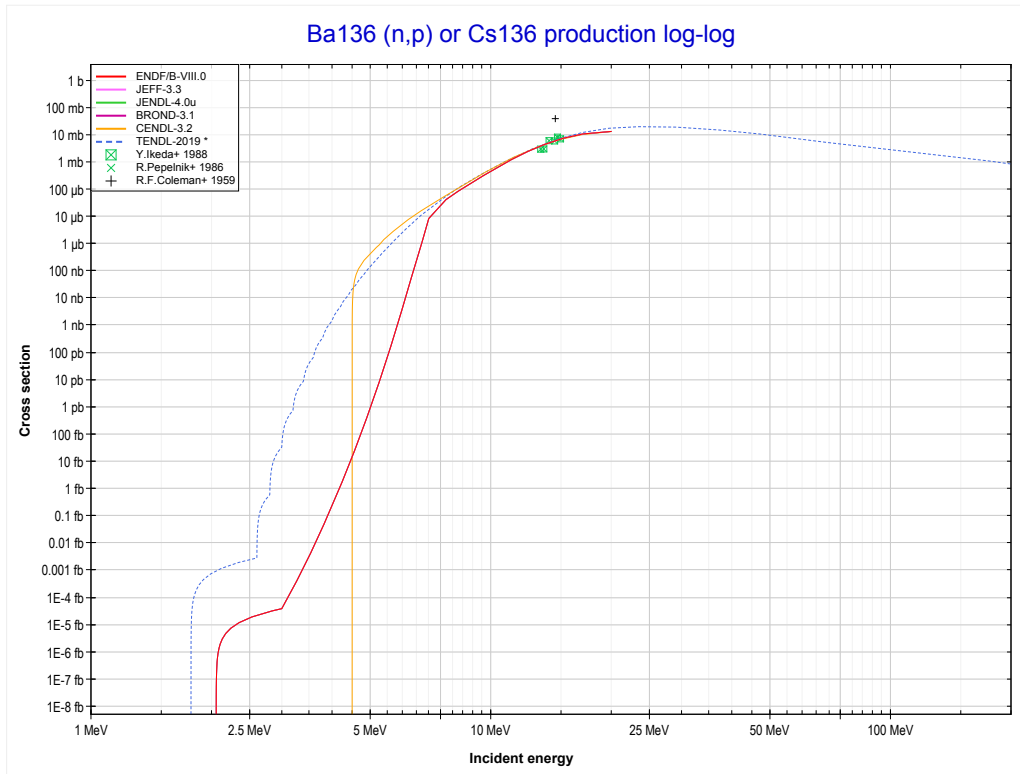
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180649 b | 1.63997 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180649 b | 1.63997 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180649 b | 1.63997 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180649 b | 1.63997 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00151178 b | 1.5339 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00180082 b | 1.61946 b |

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|----------------|--|----------------|
| << 56-Ba-135 | 56-Ba-136 | 56-Ba-137 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ba137 production) | MT103 (n,p) >> |



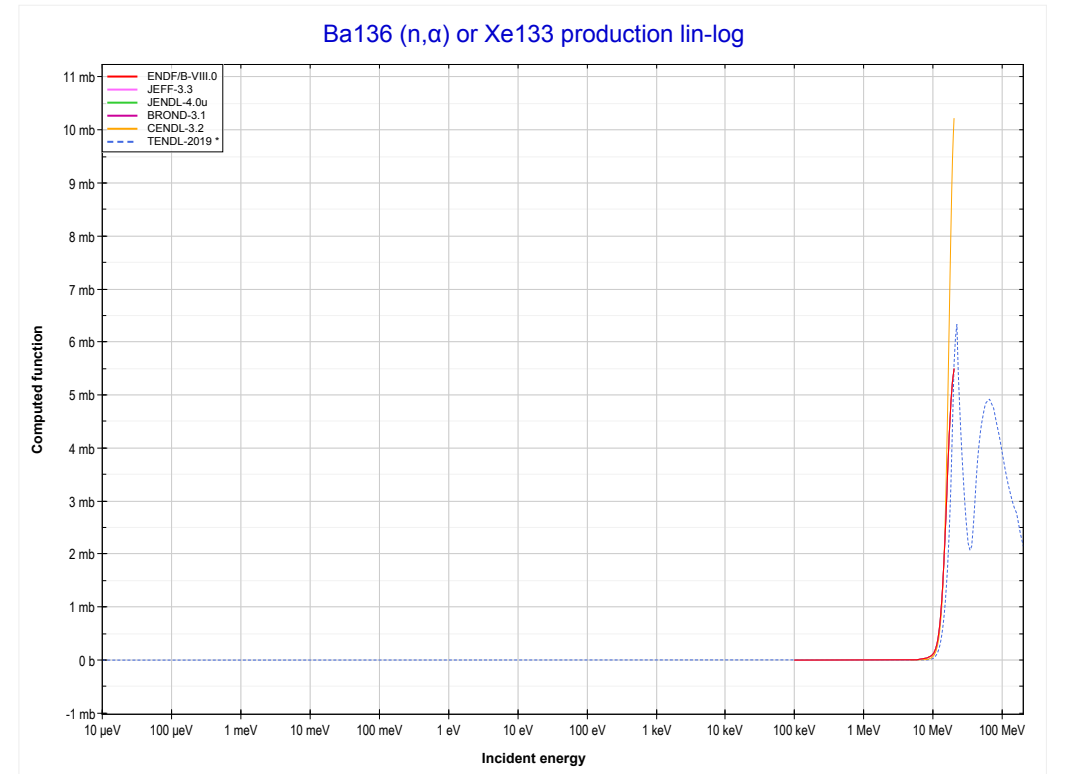
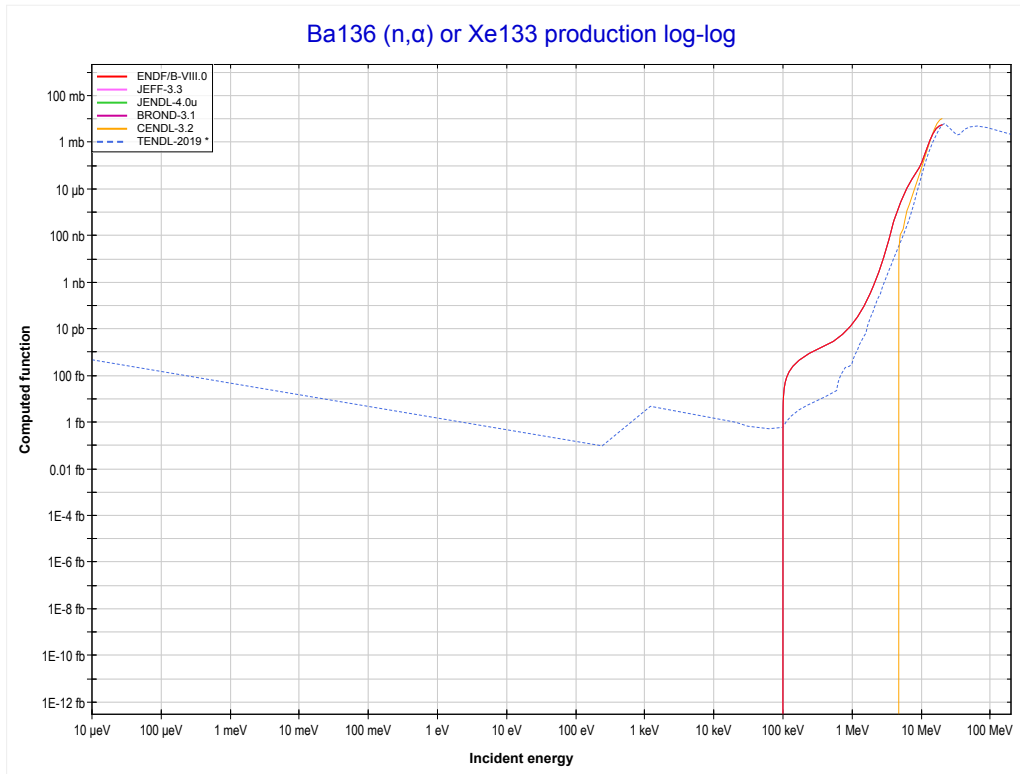
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.45 b | 0.449663 b | 0.44954 b | 0.99972 | 2.079 b | 0.016711 b | 0.00150075 b |
| ENDF/B-VIII.0 | 0.679466 b | 0.679466 b | 0.67959 b | 1.00018 | 1.71578 b | 0.0367593 b | 0.00101614 b |
| JEFF-3.3 | 0.68036 b | 0.68036 b | 0.68057 b | 1.00031 | 1.76657 b | 0.036761 b | 0.00101614 b |
| JENDL-4.0u | 0.68036 b | 0.68036 b | 0.68057 b | 1.00031 | 1.76657 b | 0.036761 b | 0.00101614 b |
| BROND-3.1 | 0.679466 b | 0.679466 b | 0.67959 b | 1.00018 | 1.71578 b | 0.0367593 b | 0.00101614 b |
| CENDL-3.2 | 0.680259 b | 0.680259 b | 0.68036 b | 1.00015 | 13.2369 b | 0.0229947 b | 2.0768E-4 b |
| TENDL-2019 | 0.679427 b | 0.679427 b | 0.6794 b | 0.99997 | 1.72918 b | 0.0241063 b | 0.00107582 b |

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|-------------------------|--|-------------------------|
| << 56-Ba-135 | 56-Ba-136 | 56-Ba-137 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs136 production) | MT107 (n, α) >> |



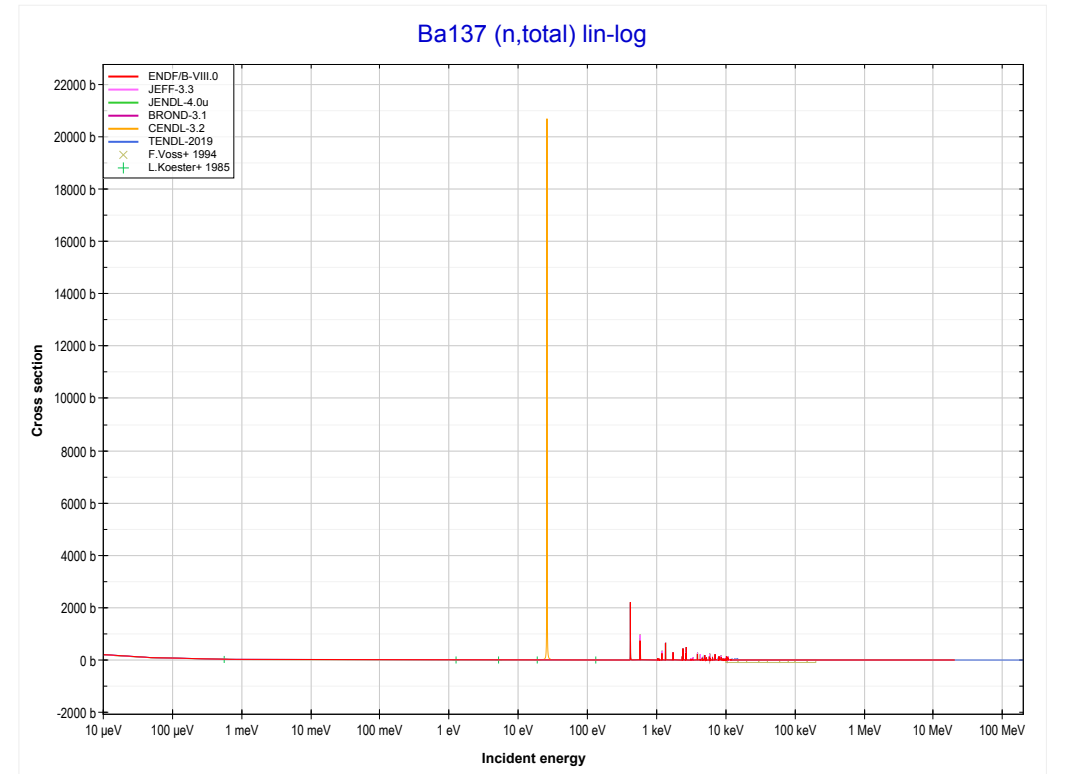
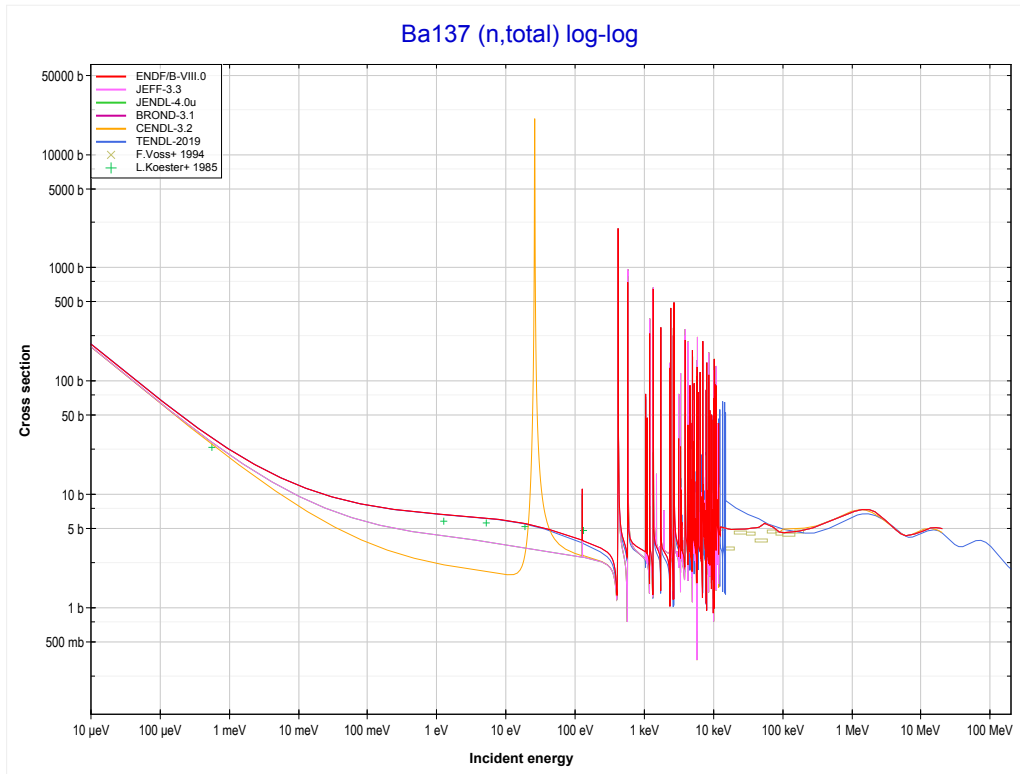
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50778E-6 b | 0.00506228 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50778E-6 b | 0.00506228 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.50778E-6 b | 0.00506228 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50778E-6 b | 0.00506228 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.2807E-6 b | 0.0049531 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.28515E-6 b | 0.00518648 b |

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|----------------|--|----------------------------|
| << 56-Ba-134 | 56-Ba-136 | 56-Ba-138 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Xe133 production) | 56-Ba-137 MT1 (n,total) >> |



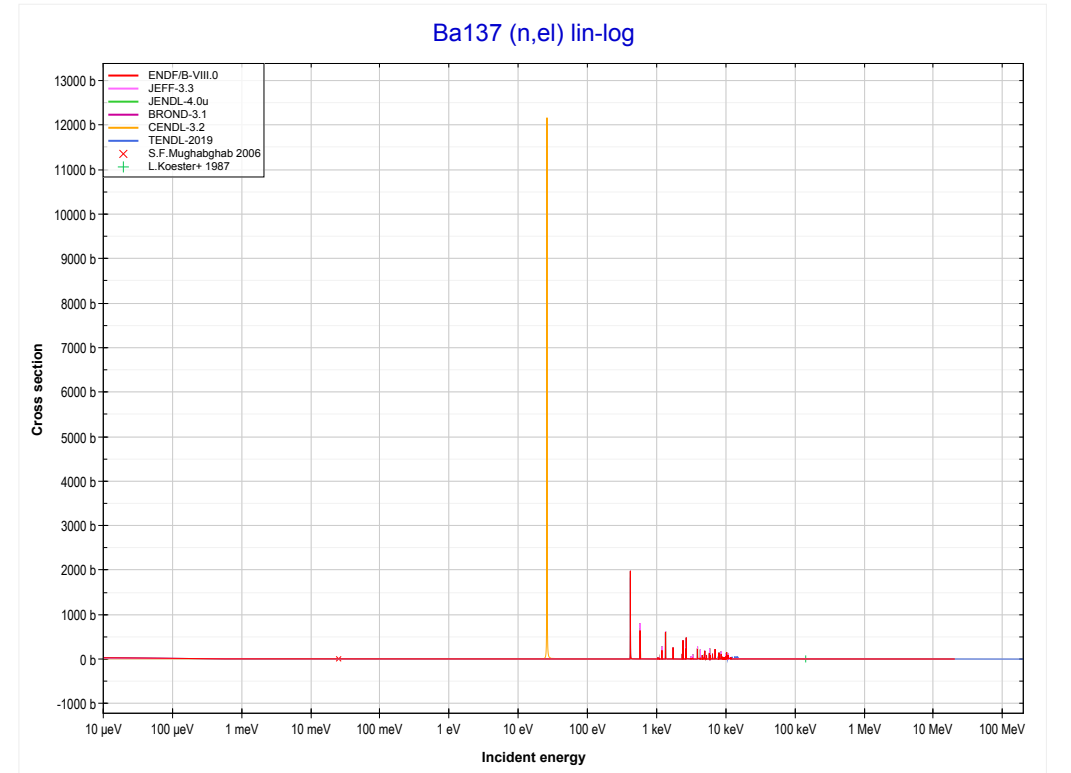
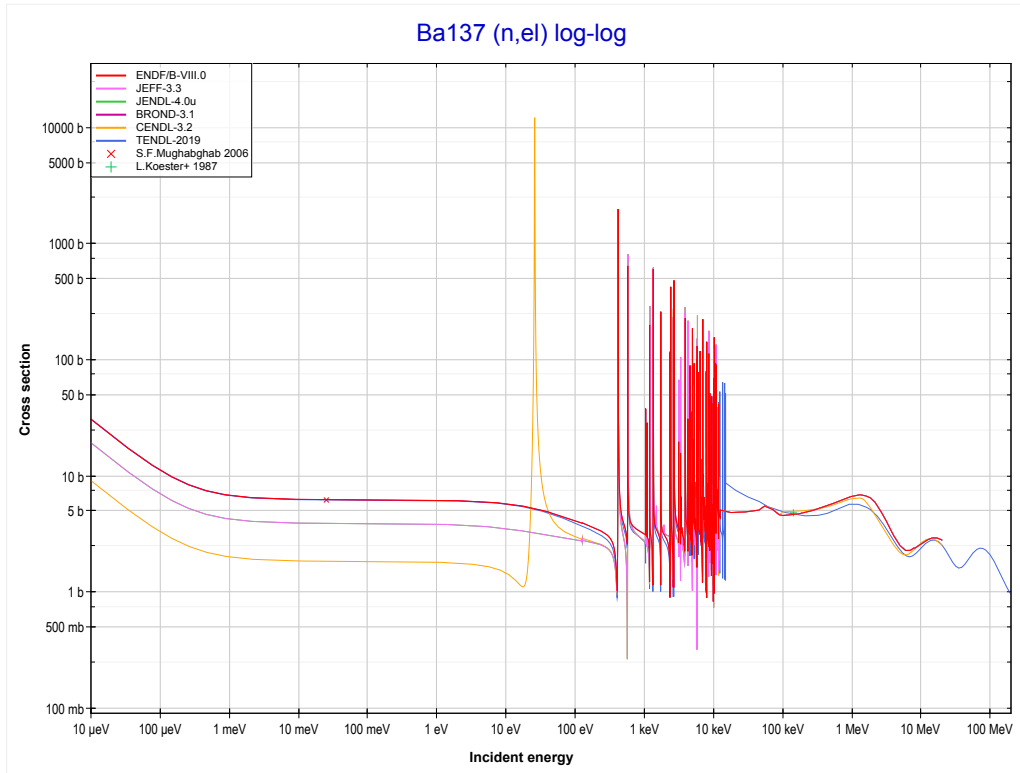
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.28352E-24 b | 1.94557E-6 b | 0.00163657 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.5663E-31 b | 1.94557E-6 b | 0.00163657 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 2.56631E-31 b | 1.94557E-6 b | 0.00163657 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.28352E-24 b | 1.94557E-6 b | 0.00163657 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14059E-6 b | 0.0015748 b |
| TENDL-2019 | 9.3882E-15 b | 9.3882E-15 b | 9.3843E-15 b | 0.99958 | 1.37249E-14 b | 4.90204E-7 b | 6.93614E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << 56-Ba-136 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



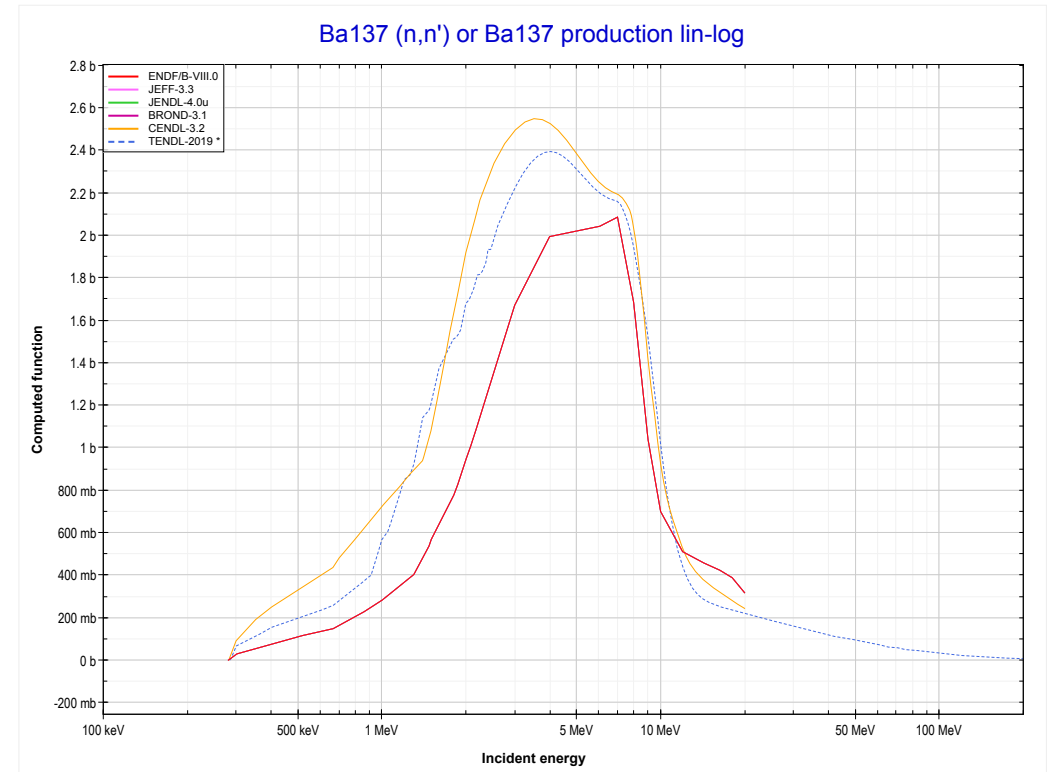
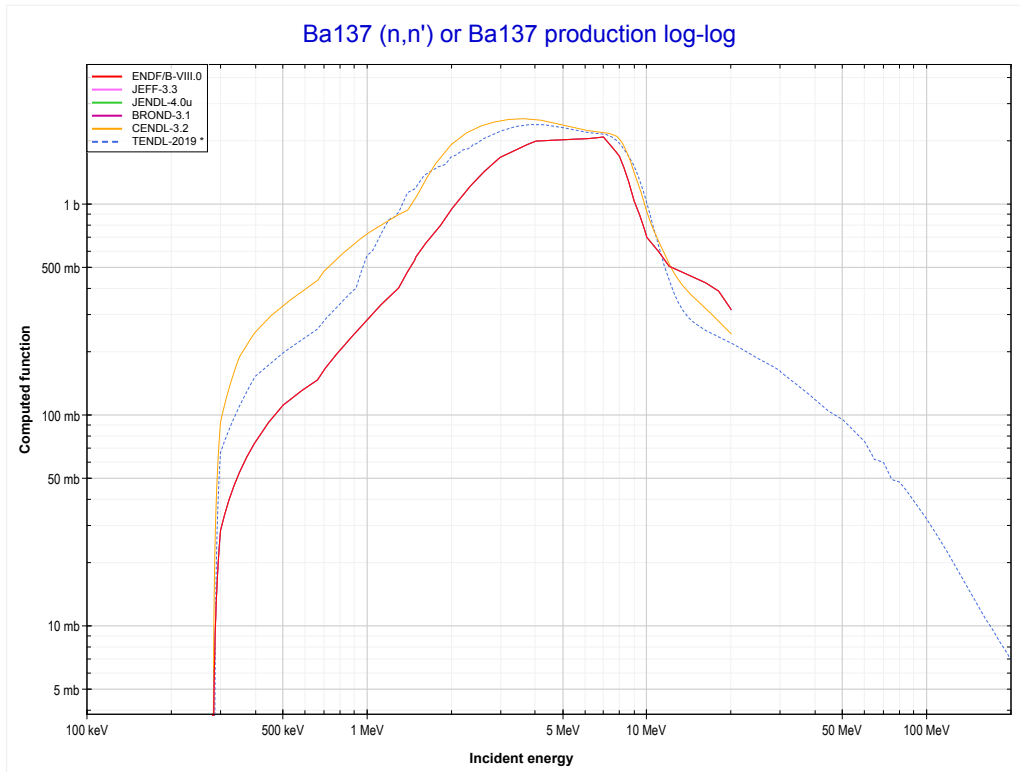
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.83311 b | 9.83311 b | 10.633 b | 1.08131 | 79.9145 b | 6.24596 b | 5.07797 b |
| JEFF-3.3 | 7.49667 b | 7.49667 b | 7.9934 b | 1.06627 | 72.1396 b | 6.2458 b | 5.07797 b |
| JENDL-4.0u | 7.49667 b | 7.49667 b | 7.9934 b | 1.06627 | 72.1396 b | 6.2458 b | 5.07797 b |
| BROND-3.1 | 9.83311 b | 9.83311 b | 10.633 b | 1.08131 | 79.9145 b | 6.24596 b | 5.07797 b |
| CENDL-3.2 | 5.63898 b | 5.63898 b | 5.8783 b | 1.04243 | 386.889 b | 6.22006 b | 5.007 b |
| TENDL-2019 | 9.8258 b | 9.8258 b | 10.62 b | 1.0808 | 79.4663 b | 5.82521 b | 4.84585 b |

| | | |
|------------------|------------------------|---------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



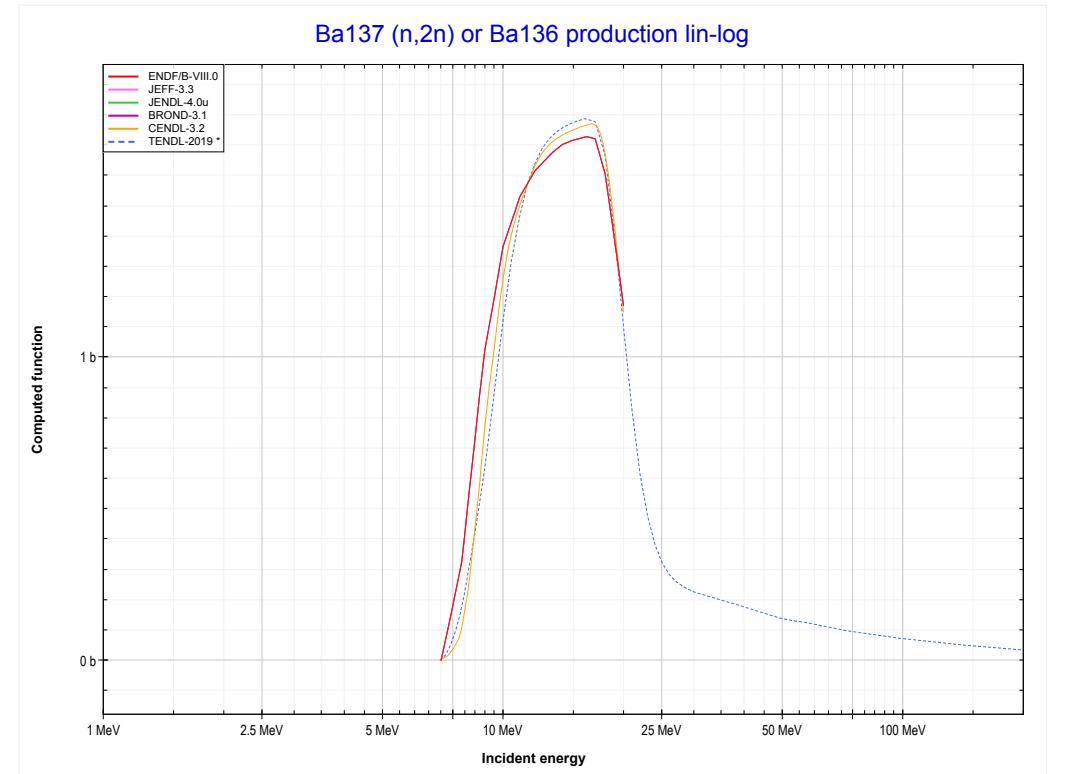
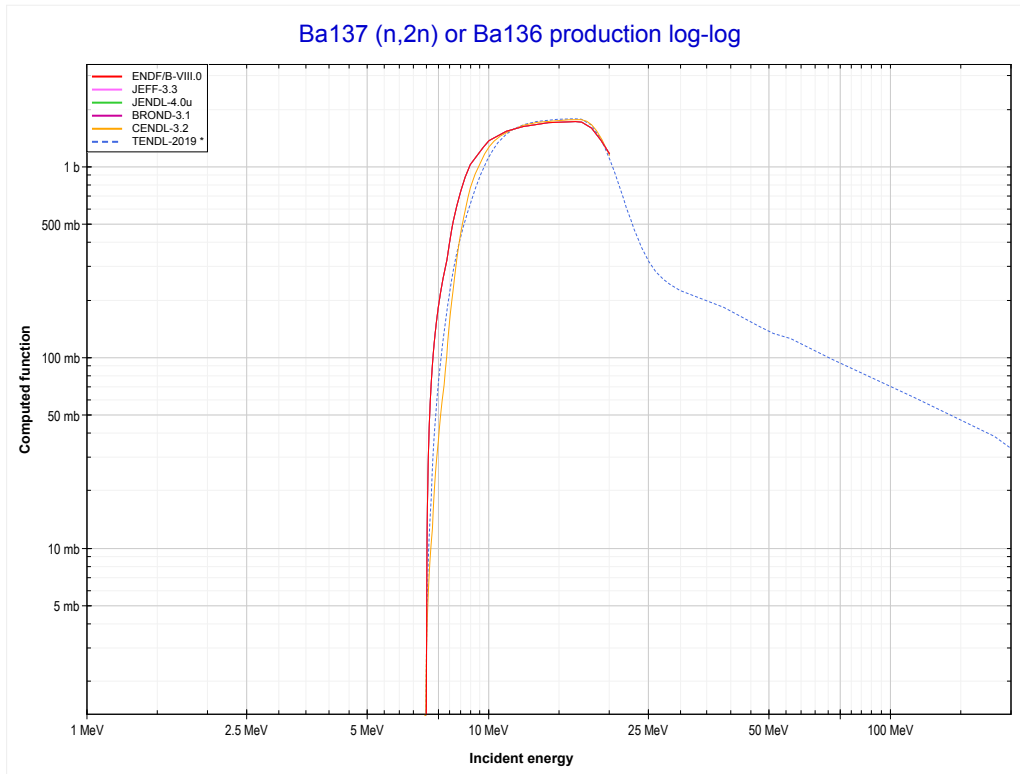
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.23661 b | 6.23661 b | 7.0357 b | 1.12814 | 76.4796 b | 5.381 b | 2.90925 b |
| JEFF-3.3 | 3.89582 b | 3.89582 b | 4.3944 b | 1.12799 | 67.9534 b | 5.3808 b | 2.90925 b |
| JENDL-4.0u | 3.89582 b | 3.89582 b | 4.3944 b | 1.12799 | 67.9534 b | 5.3808 b | 2.90925 b |
| BROND-3.1 | 6.23661 b | 6.23661 b | 7.0357 b | 1.12814 | 76.4796 b | 5.381 b | 2.90925 b |
| CENDL-3.2 | 1.83855 b | 1.83855 b | 2.0739 b | 1.12802 | 249.425 b | 4.83001 b | 2.8799 b |
| TENDL-2019 | 6.19897 b | 6.19897 b | 6.9937 b | 1.1282 | 75.0677 b | 4.56478 b | 2.78675 b |

| | | |
|--------------------|---|----------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ba137 production) | MT16 (n,2n) >> |



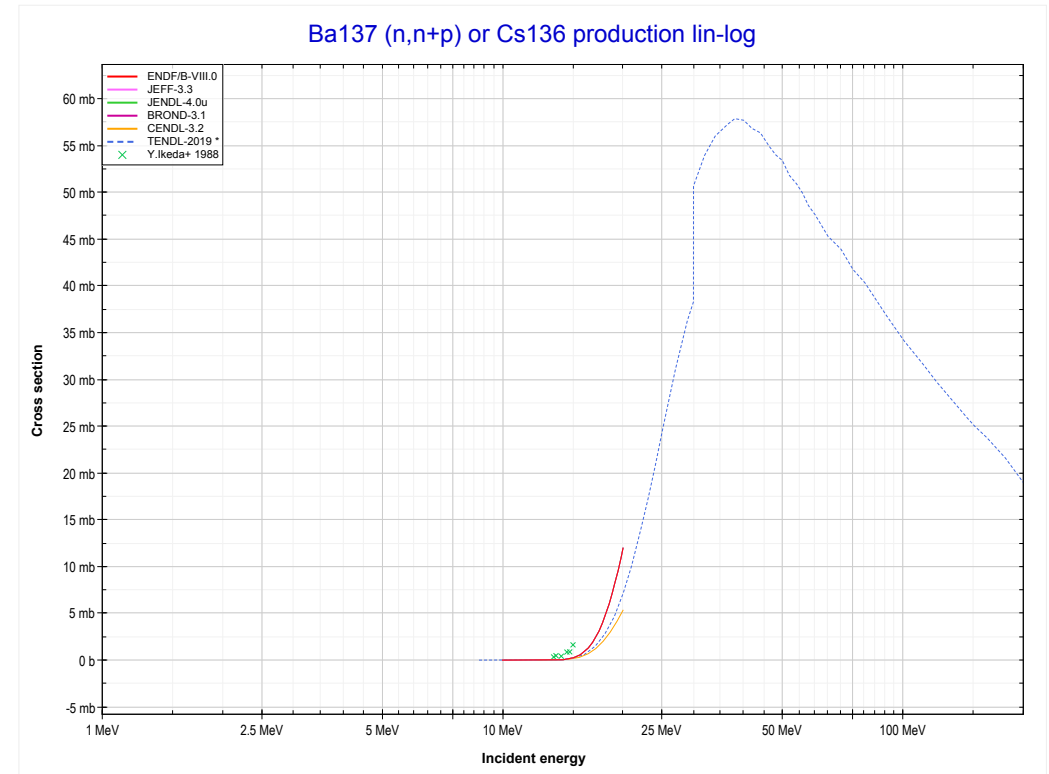
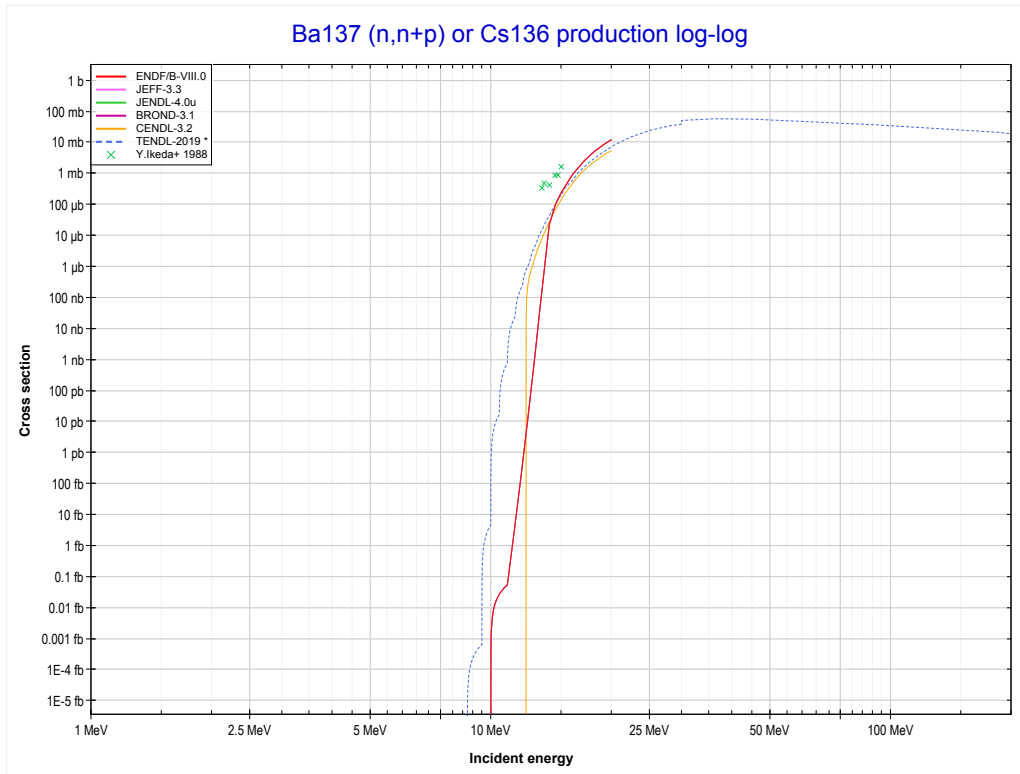
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.840814 b | 0.46212 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.840814 b | 0.46212 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.840814 b | 0.46212 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.840814 b | 0.46212 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37239 b | 0.38647 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23945 b | 0.292723 b |

| | | |
|---------------|--|-----------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ba136 production) | MT28 (n,n+p) >> |



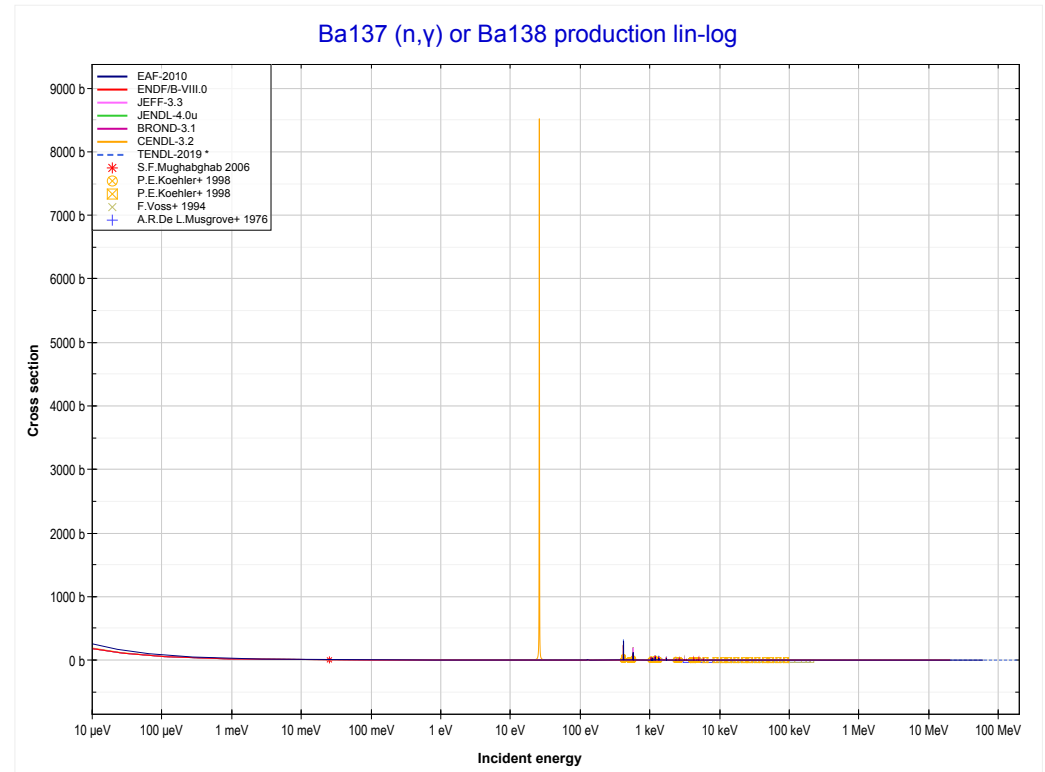
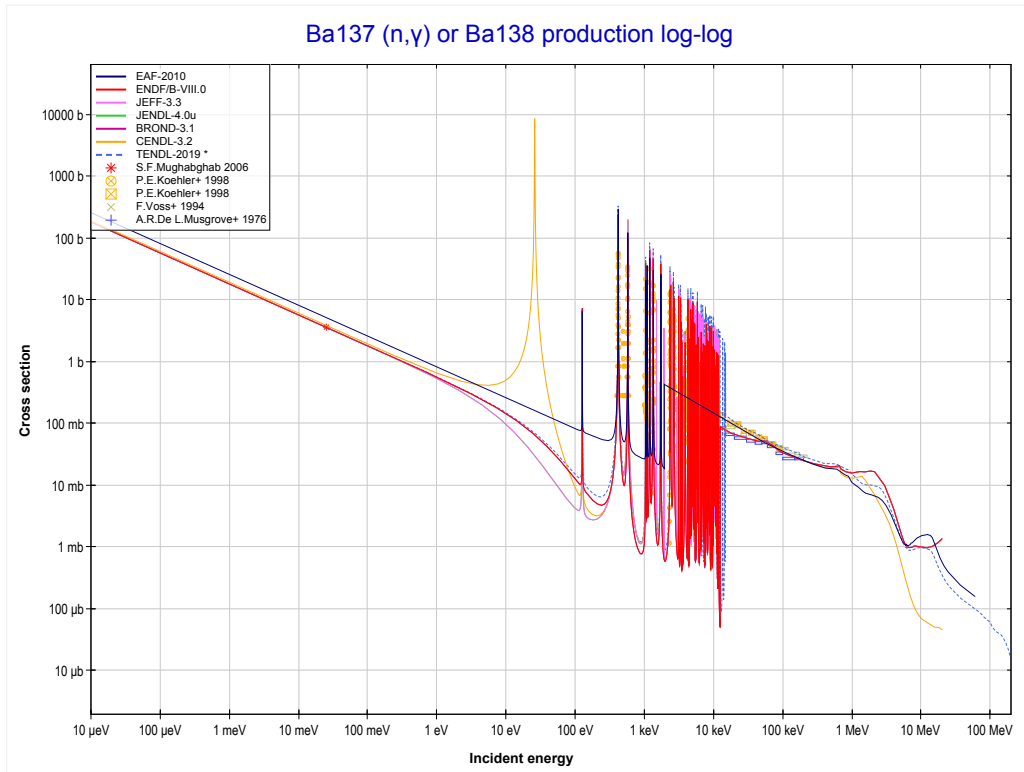
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00934951 b | 1.70067 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00934951 b | 1.70067 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00934951 b | 1.70067 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00934951 b | 1.70067 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00687799 b | 1.7323 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00671873 b | 1.7562 b |

| | | |
|----------------|---|-------------------------|
| << 52-Te-130 | 56-Ba-137 | 56-Ba-138 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Cs136 production) | MT102 (n, γ) >> |



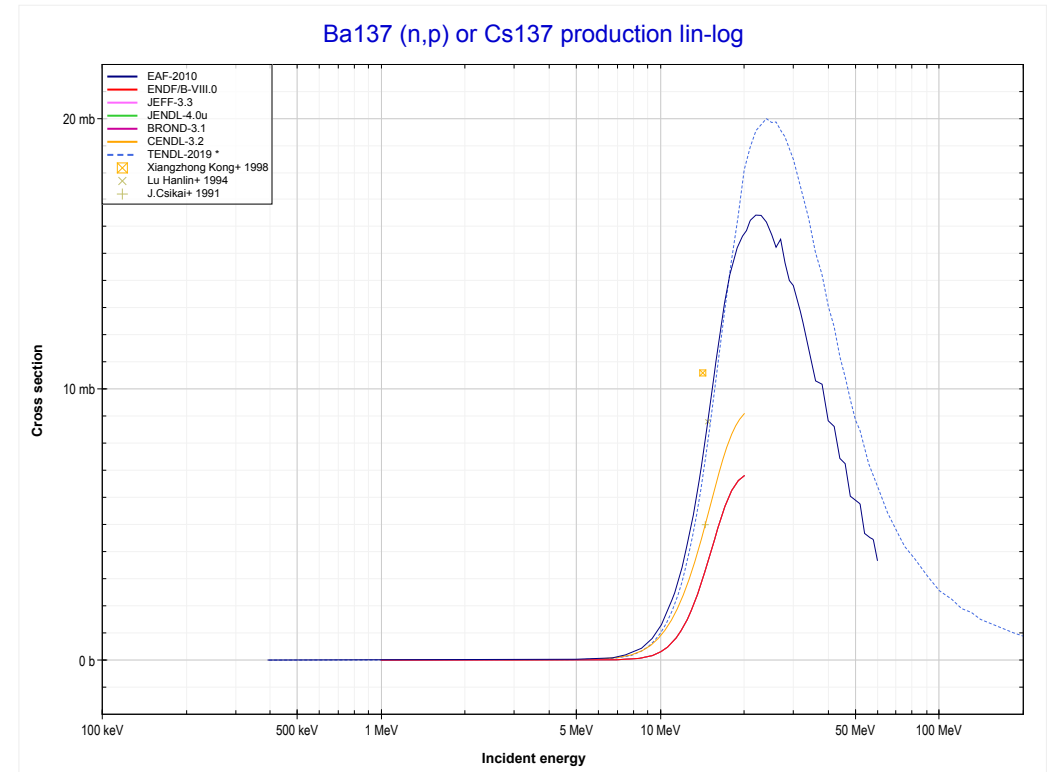
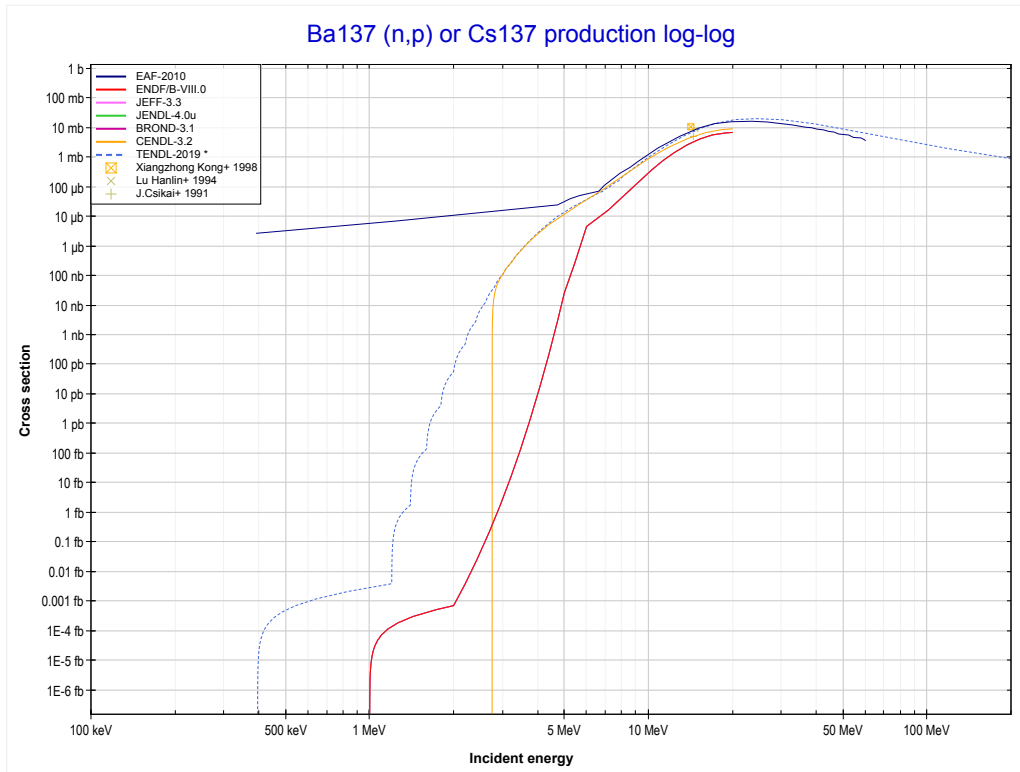
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01577E-7 b | 2.163E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01577E-7 b | 2.163E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.01577E-7 b | 2.163E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01577E-7 b | 2.163E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.3086E-8 b | 2.6907E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.05056E-8 b | 4.14549E-5 b |

| | | |
|-----------------|--|----------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ba138 production) | MT103 (n,p) >> |



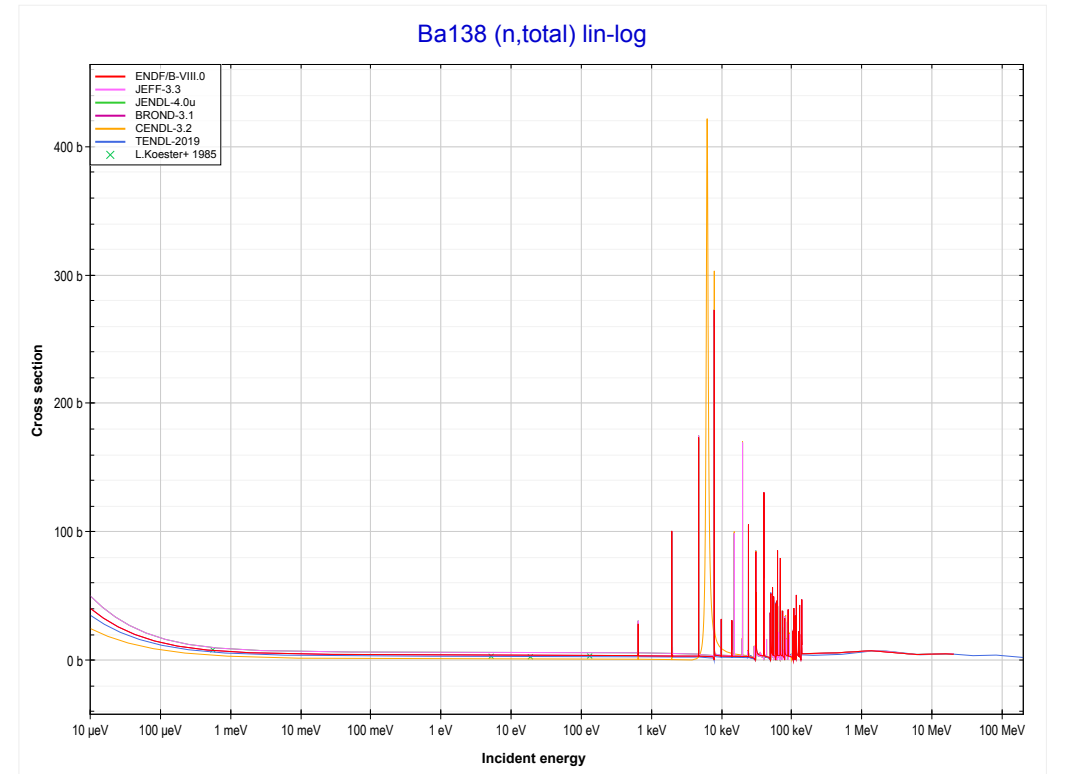
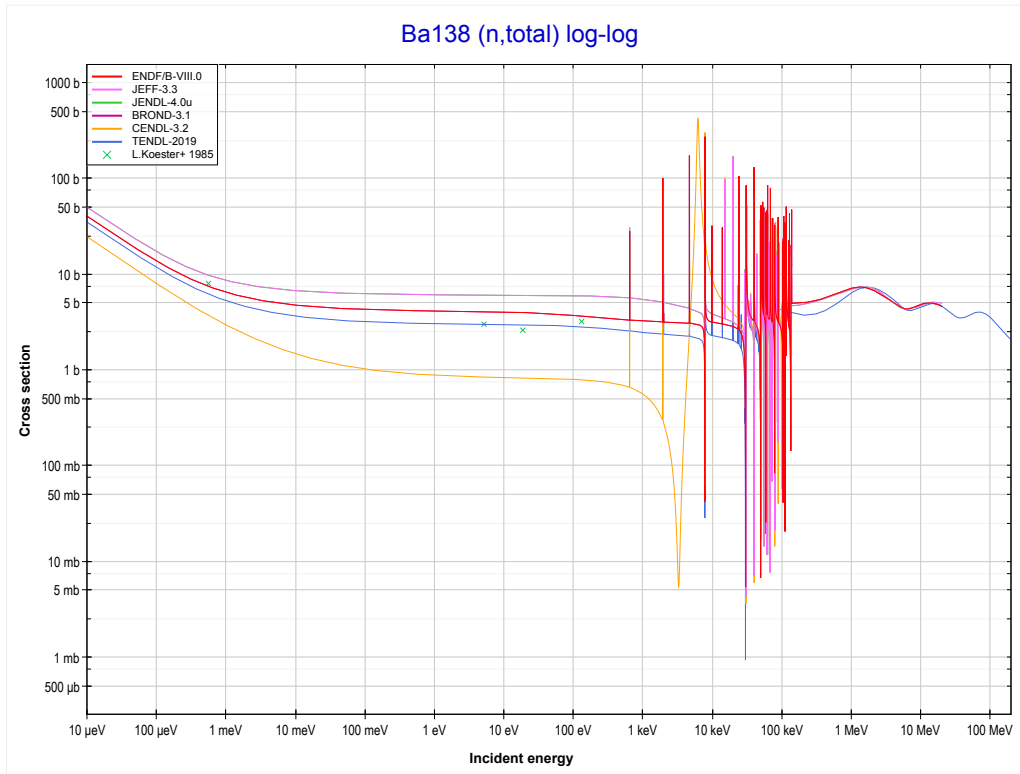
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.10625 b | 5.10243 b | 5.101 b | 0.99972 | 4.95924 b | 0.0103941 b | 0.00149648 b |
| ENDF/B-VIII.0 | 3.59651 b | 3.59651 b | 3.5969 b | 1.00012 | 3.43491 b | 0.014782 b | 0.00100034 b |
| JEFF-3.3 | 3.60084 b | 3.60084 b | 3.599 b | 0.99949 | 4.18621 b | 0.014827 b | 0.00100034 b |
| JENDL-4.0u | 3.60084 b | 3.60084 b | 3.599 b | 0.99949 | 4.18621 b | 0.014827 b | 0.00100034 b |
| BROND-3.1 | 3.59651 b | 3.59651 b | 3.5969 b | 1.00012 | 3.43491 b | 0.014782 b | 0.00100034 b |
| CENDL-3.2 | 3.80043 b | 3.80043 b | 3.8043 b | 1.00102 | 137.46 b | 0.0110017 b | 5.4228E-5 b |
| TENDL-2019 | 3.62683 b | 3.62683 b | 3.6261 b | 0.99979 | 4.3962 b | 0.0130823 b | 8.62391E-4 b |

| | | |
|-------------------------|--|----------------------------|
| << 56-Ba-136 | 56-Ba-137 | 56-Ba-138 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs137 production) | 56-Ba-138 MT1 (n,total) >> |



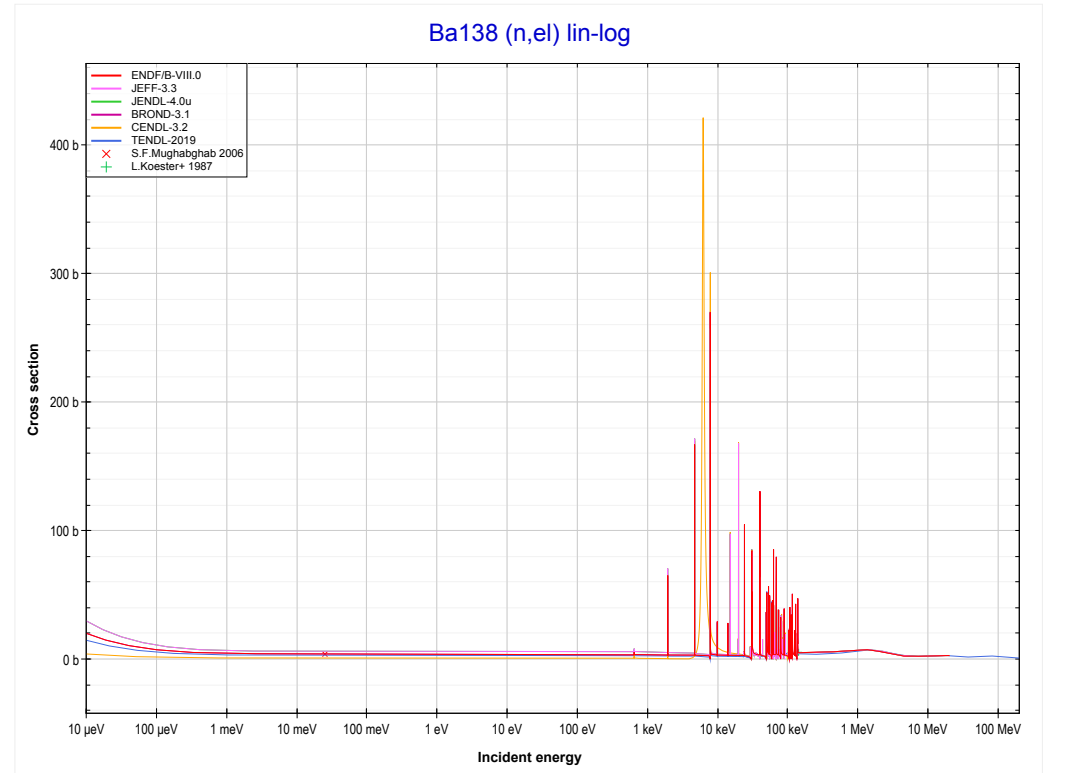
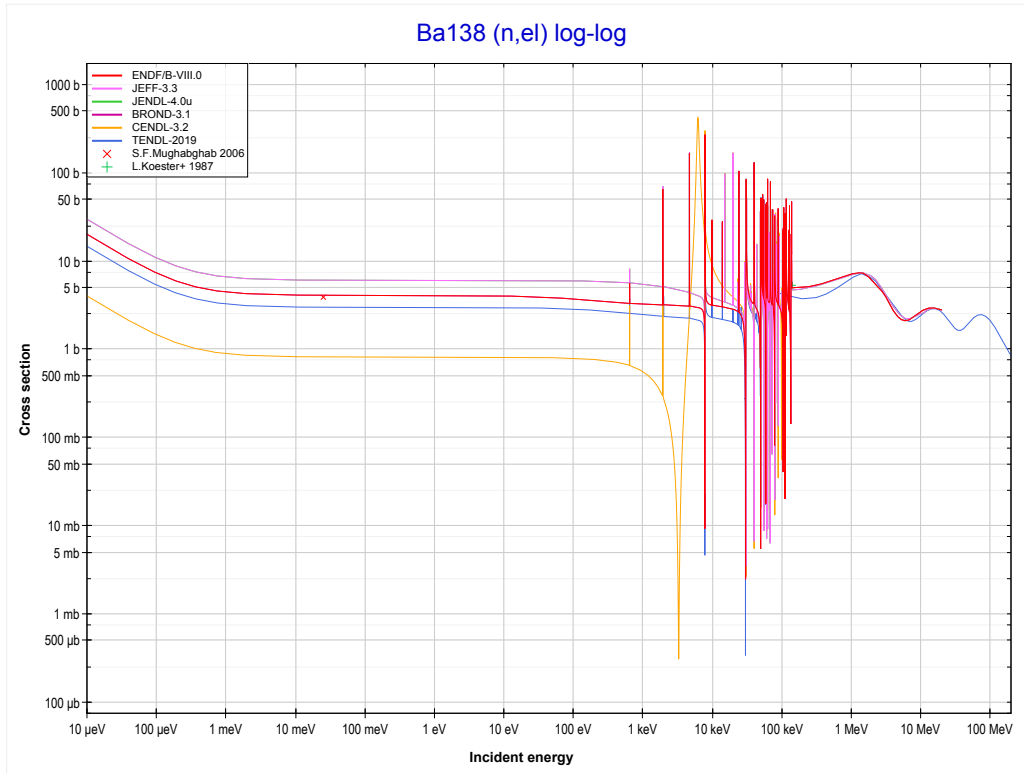
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.04109E-5 b | 0.0070682 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92719E-6 b | 0.00282807 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92719E-6 b | 0.00282807 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.92719E-6 b | 0.00282807 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.92719E-6 b | 0.00282807 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.31588E-6 b | 0.0044194 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05571E-5 b | 0.00633699 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 56-Ba-137 | 56-Ba-138 | 57-La-139 >> |
| << 56-Ba-137 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



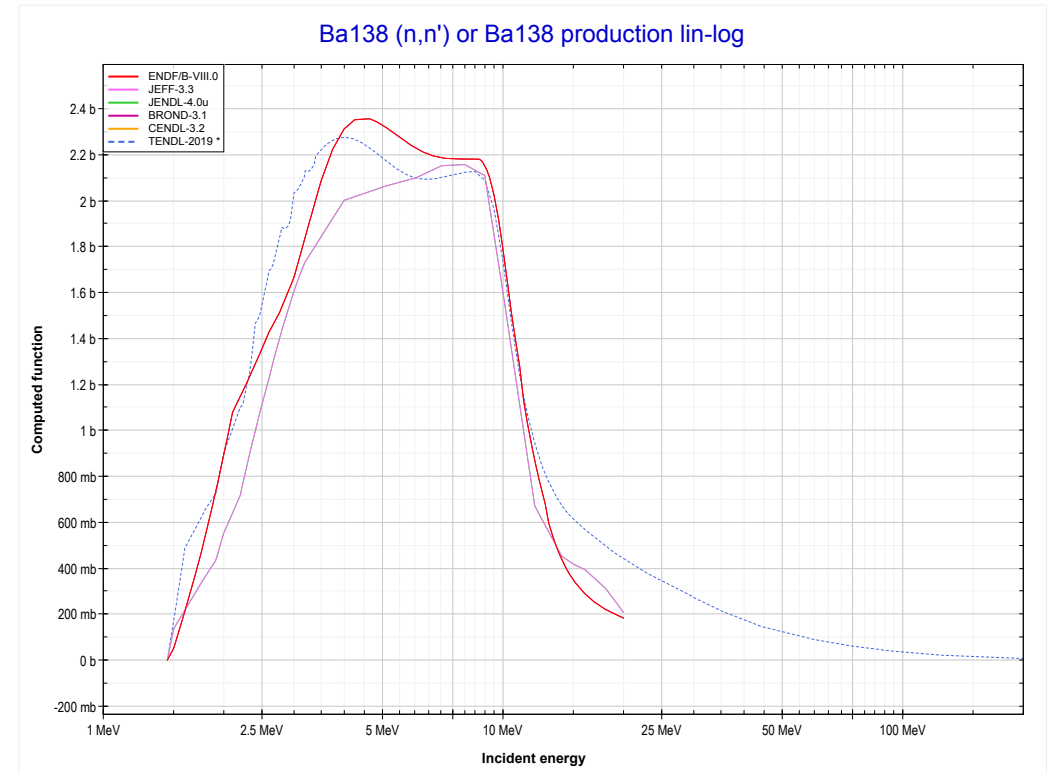
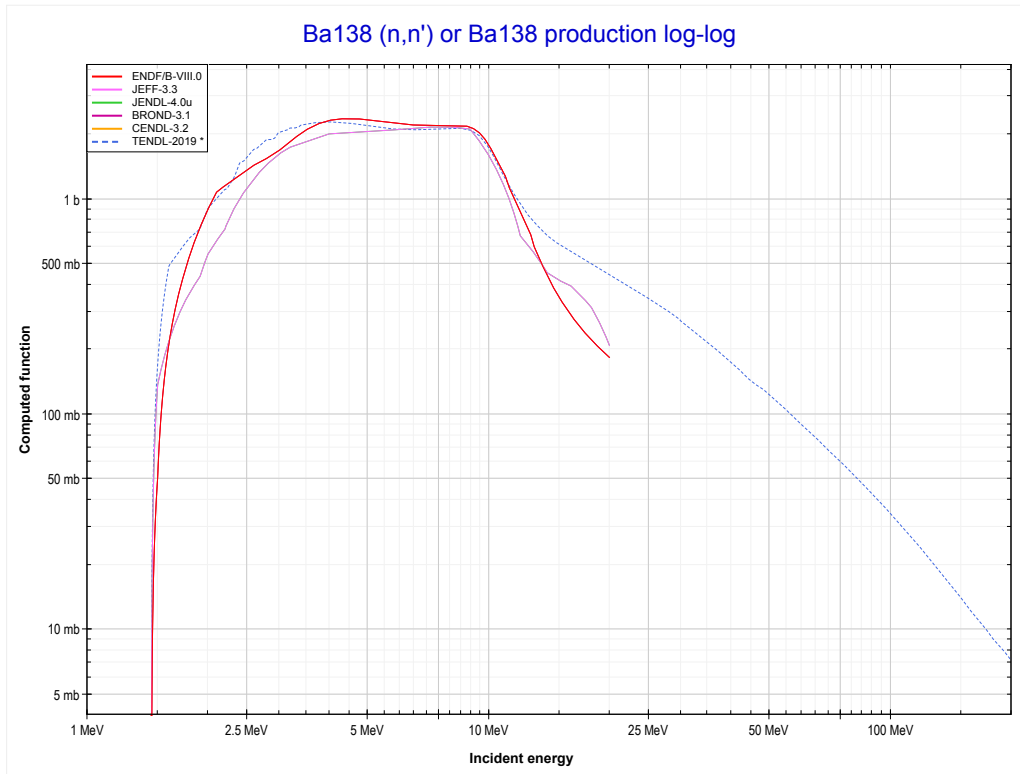
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.48235 b | 4.48235 b | 5.0059 b | 1.11681 | 46.5181 b | 6.21375 b | 5.00699 b |
| JEFF-3.3 | 6.44494 b | 6.44494 b | 7.2205 b | 1.12034 | 65.9667 b | 6.2436 b | 5.07772 b |
| JENDL-4.0u | 6.44494 b | 6.44494 b | 7.2205 b | 1.12034 | 65.9667 b | 6.2436 b | 5.07772 b |
| BROND-3.1 | 4.48235 b | 4.48235 b | 5.0059 b | 1.11681 | 46.5181 b | 6.21375 b | 5.00699 b |
| CENDL-3.2 | 1.2258 b | 1.2258 b | 1.3306 b | 1.08548 | 67.8824 b | 6.23068 b | 5.007 b |
| TENDL-2019 | 3.38713 b | 3.38713 b | 3.7702 b | 1.11311 | 35.9251 b | 5.94171 b | 4.90414 b |

| | | |
|------------------|------------------------|---------------|
| << 56-Ba-137 | 56-Ba-138 | 57-La-139 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



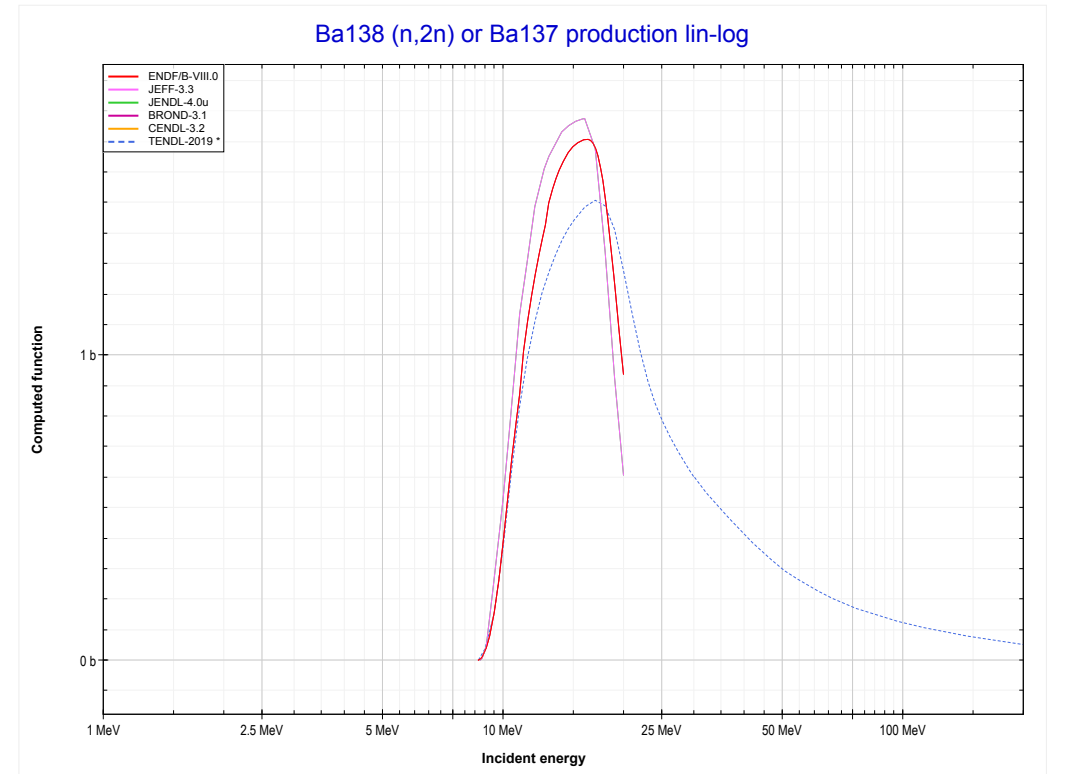
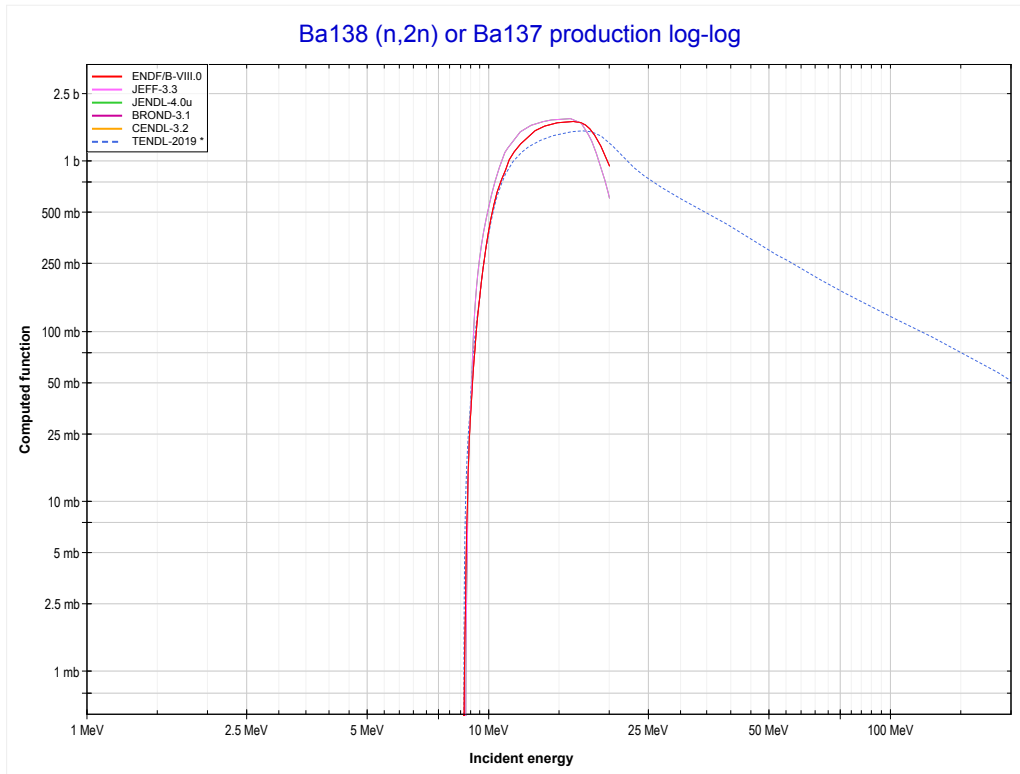
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.07884 b | 4.07884 b | 4.6023 b | 1.12833 | 46.2527 b | 5.44743 b | 2.9372 b |
| JEFF-3.3 | 6.0406 b | 6.0406 b | 6.816 b | 1.12837 | 65.6937 b | 5.58572 b | 2.88892 b |
| JENDL-4.0u | 6.0406 b | 6.0406 b | 6.816 b | 1.12837 | 65.6937 b | 5.58572 b | 2.88892 b |
| BROND-3.1 | 4.07884 b | 4.07884 b | 4.6023 b | 1.12833 | 46.2527 b | 5.44743 b | 2.9372 b |
| CENDL-3.2 | 0.815618 b | 0.815618 b | 0.92037 b | 1.12844 | 67.5319 b | 5.46344 b | 2.9372 b |
| TENDL-2019 | 2.983 b | 2.983 b | 3.3661 b | 1.12843 | 35.6414 b | 5.12774 b | 2.84743 b |

| | | |
|--------------------|---|----------------|
| << 56-Ba-137 | 56-Ba-138 | 57-La-139 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ba138 production) | MT16 (n,2n) >> |



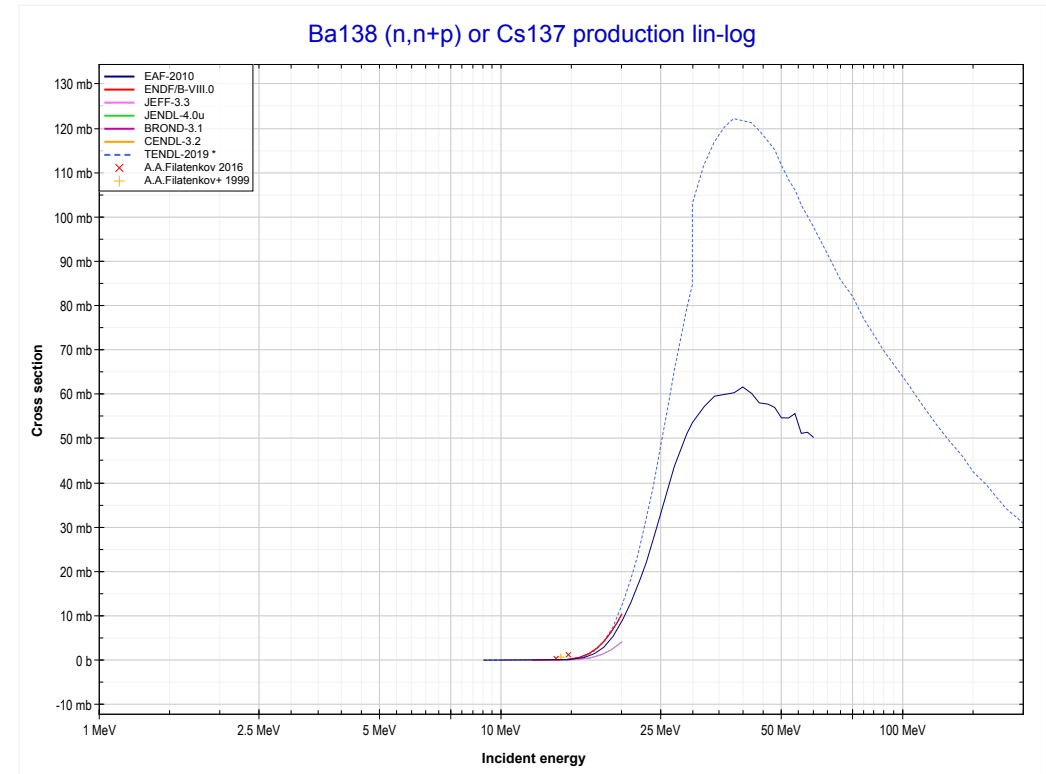
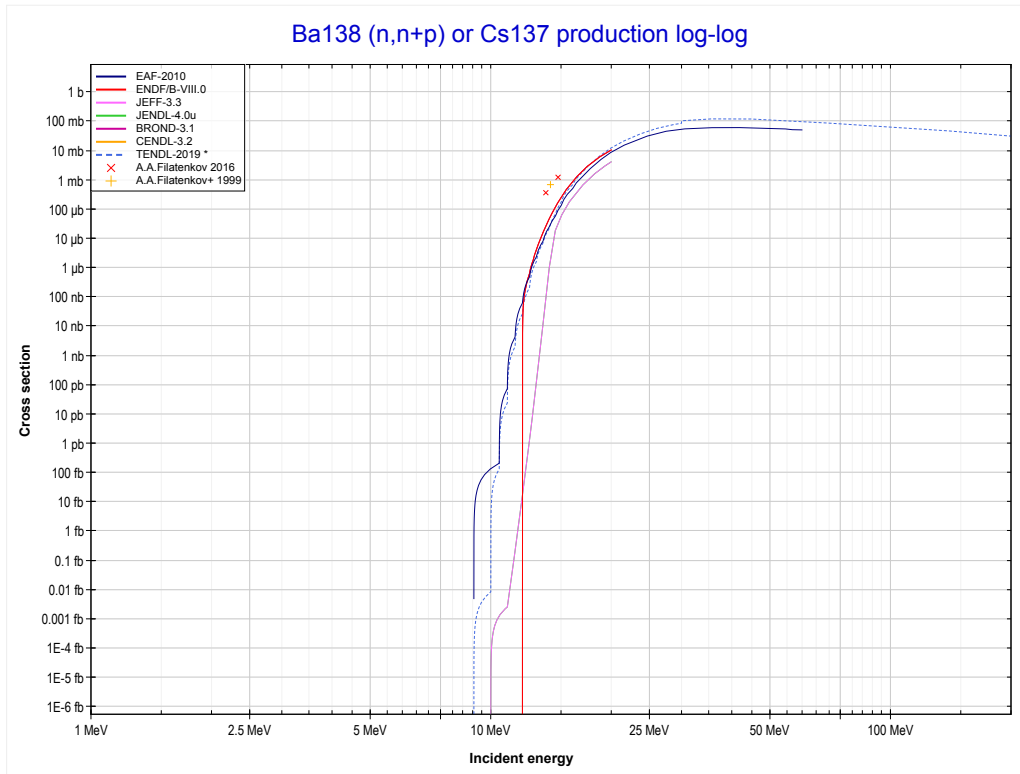
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.761407 b | 0.440721 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.652189 b | 0.452817 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.652189 b | 0.452817 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.761407 b | 0.440721 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.761414 b | 0.44072 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.808861 b | 0.674205 b |

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|---------------|--|-----------------|
| << 56-Ba-137 | 56-Ba-138 | 58-Ce-136 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ba137 production) | MT28 (n,n+p) >> |



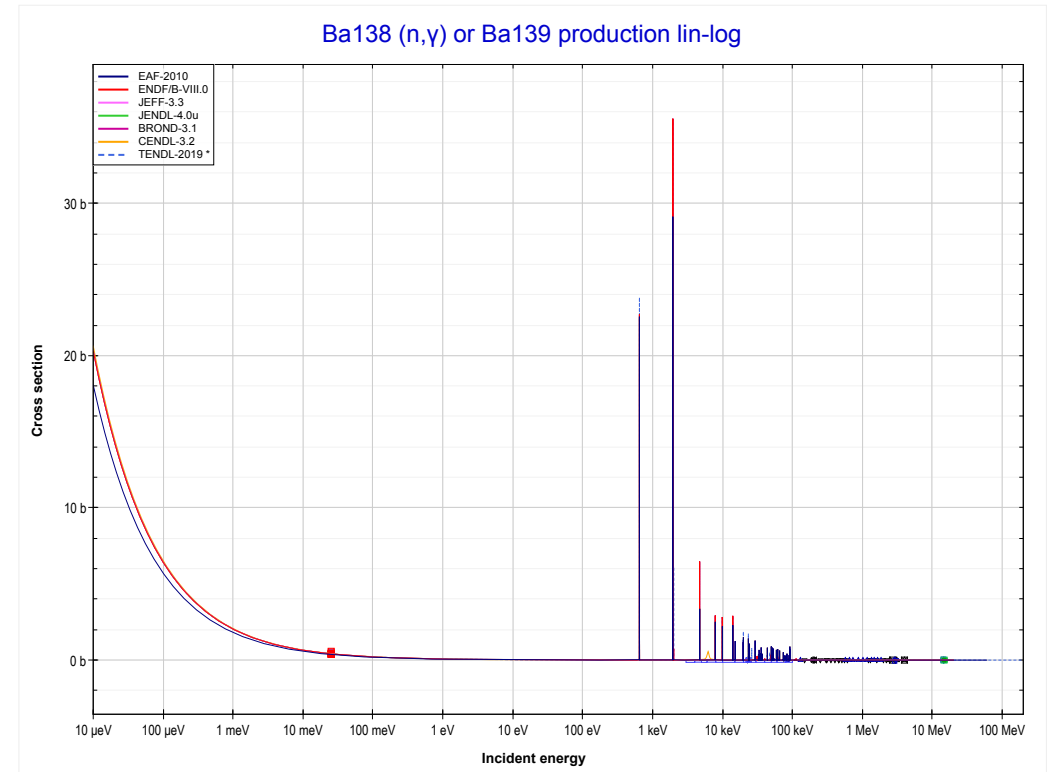
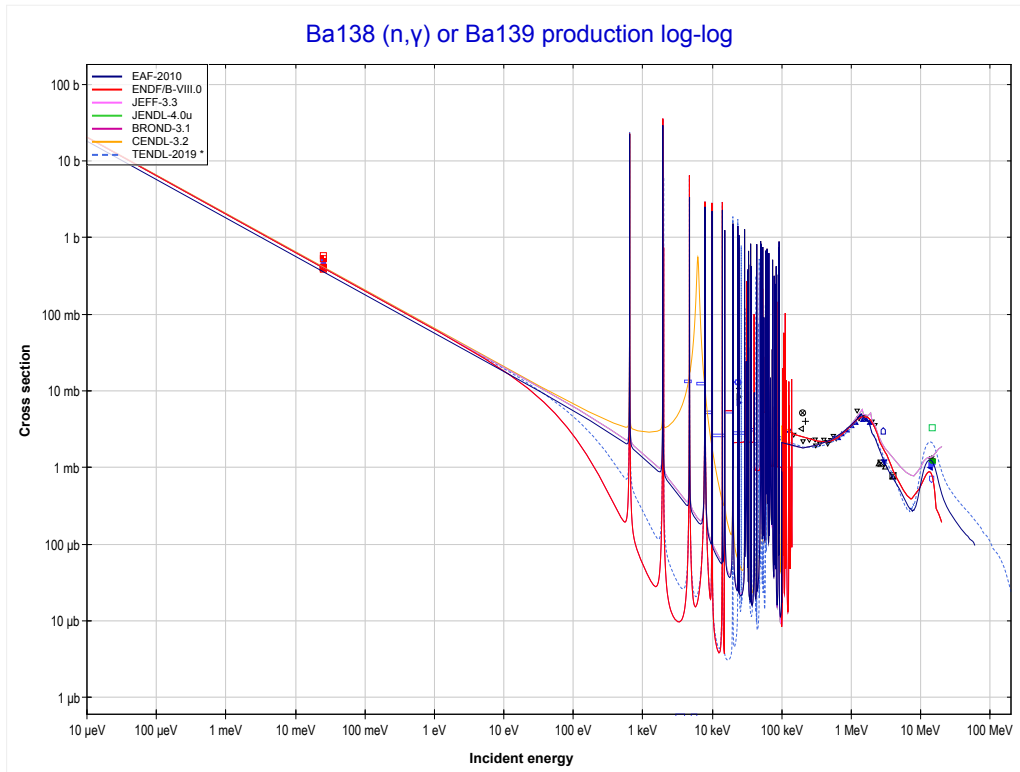
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00218015 b | 1.6234 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271136 b | 1.73078 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271136 b | 1.73078 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00218015 b | 1.6234 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00218015 b | 1.6234 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00201646 b | 1.37413 b |

| | | |
|----------------|---|-------------------------|
| << 56-Ba-137 | 56-Ba-138 | 57-La-139 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Cs137 production) | MT102 (n, γ) >> |



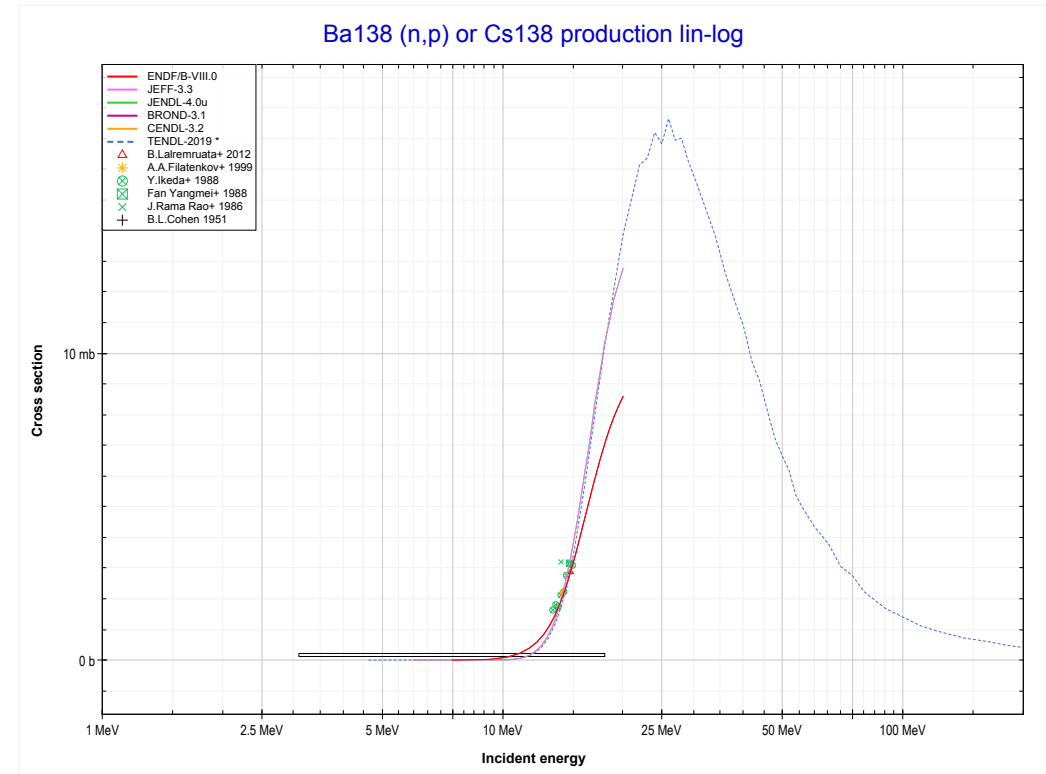
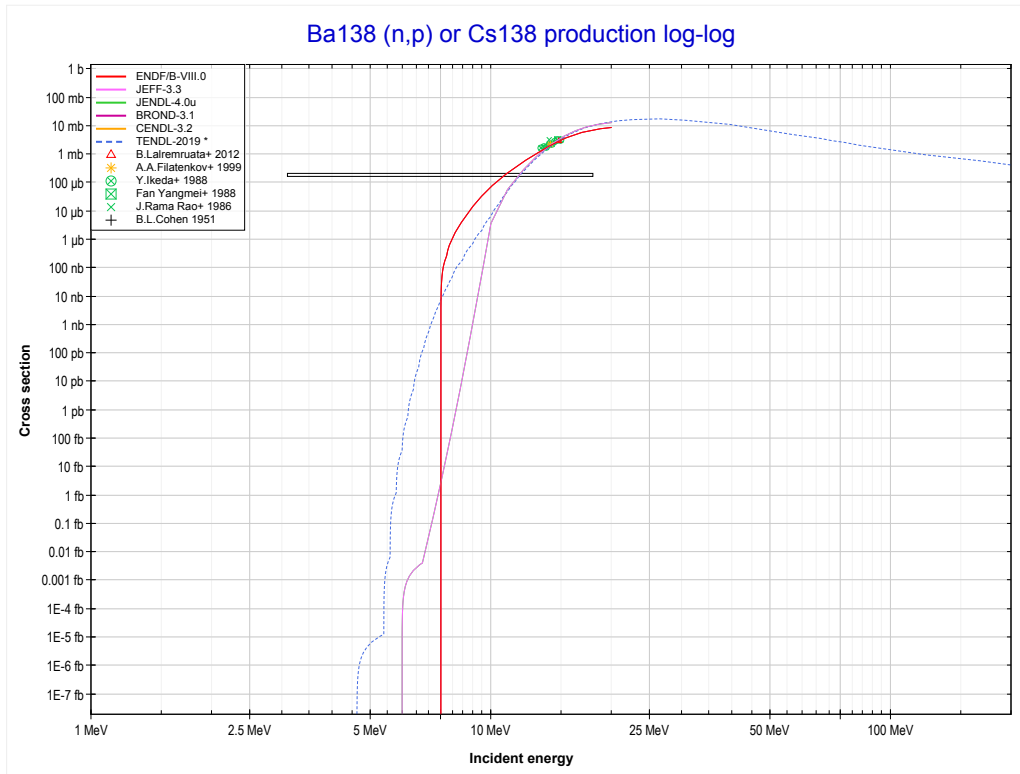
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.6894E-8 b | 4.5738E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.9564E-8 b | 9.69066E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.9564E-8 b | 9.69066E-7 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.6894E-8 b | 4.5738E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.6894E-8 b | 4.5738E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.06673E-8 b | 2.15285E-5 b |

| | | |
|-----------------|--|----------------|
| << 56-Ba-137 | 56-Ba-138 | 56-Ba-139 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Ba139 production) | MT103 (n,p) >> |



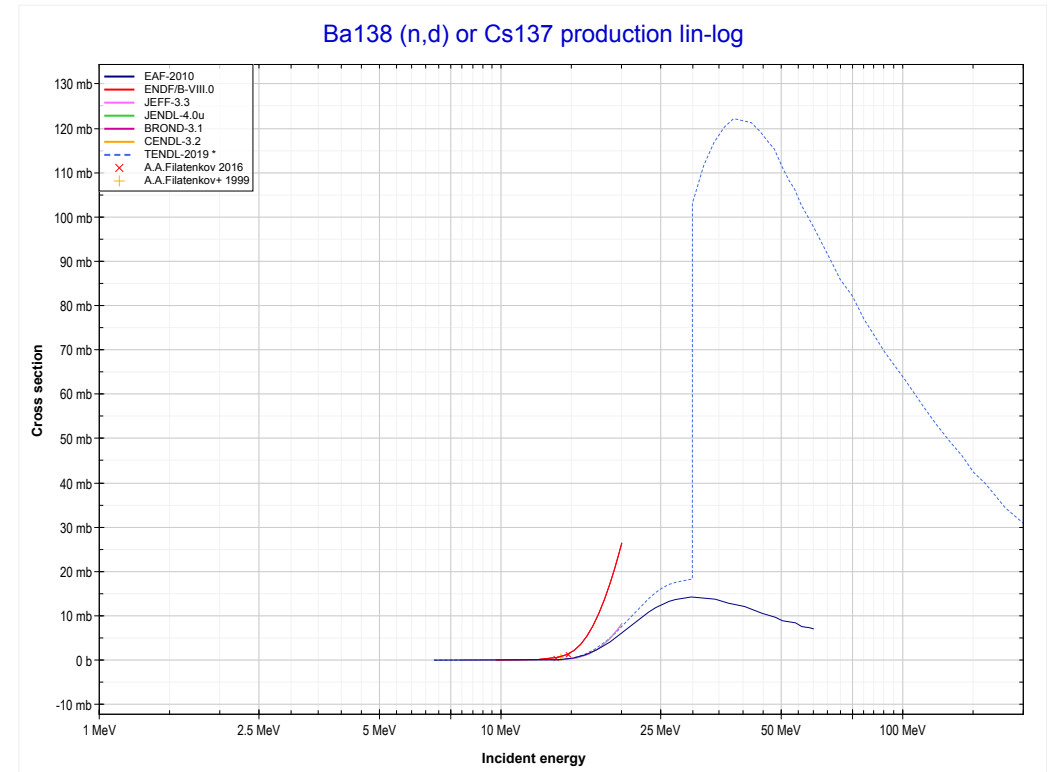
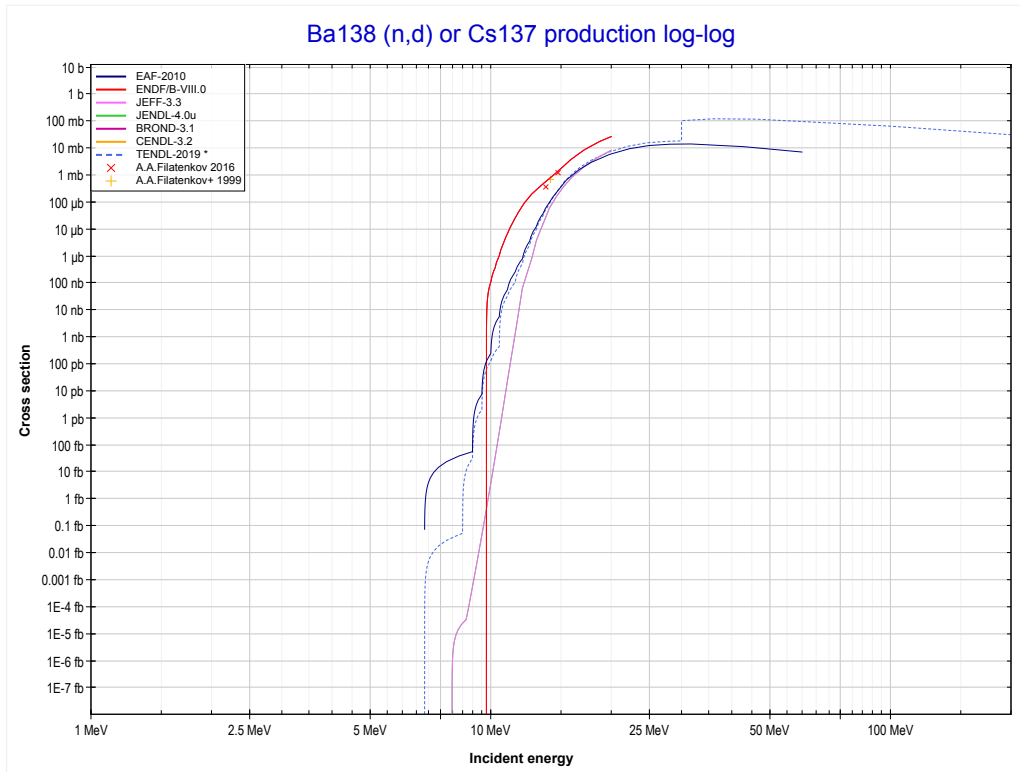
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.359085 b | 0.358825 b | 0.35885 b | 1.00008 | 0.252748 b | 0.00250268 b | 0.00124718 b |
| ENDF/B-VIII.0 | 0.403506 b | 0.403506 b | 0.40361 b | 1.00026 | 0.265432 b | 0.00272445 b | 8.5636E-4 b |
| JEFF-3.3 | 0.404344 b | 0.404344 b | 0.40451 b | 1.0004 | 0.272994 b | 0.00296974 b | 0.00135041 b |
| JENDL-4.0u | 0.404344 b | 0.404344 b | 0.40451 b | 1.0004 | 0.272994 b | 0.00296974 b | 0.00135041 b |
| BROND-3.1 | 0.403506 b | 0.403506 b | 0.40361 b | 1.00026 | 0.265432 b | 0.00272445 b | 8.5636E-4 b |
| CENDL-3.2 | 0.410177 b | 0.410177 b | 0.4102 b | 1.00006 | 0.346407 b | 0.00278359 b | 8.5636E-4 b |
| TENDL-2019 | 0.404134 b | 0.404134 b | 0.40414 b | 1.00002 | 0.281855 b | 0.00242446 b | 0.00216059 b |

| | | |
|-------------------------|--|----------------|
| << 56-Ba-137 | 56-Ba-138 | 57-La-139 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Cs138 production) | MT104 (n,d) >> |



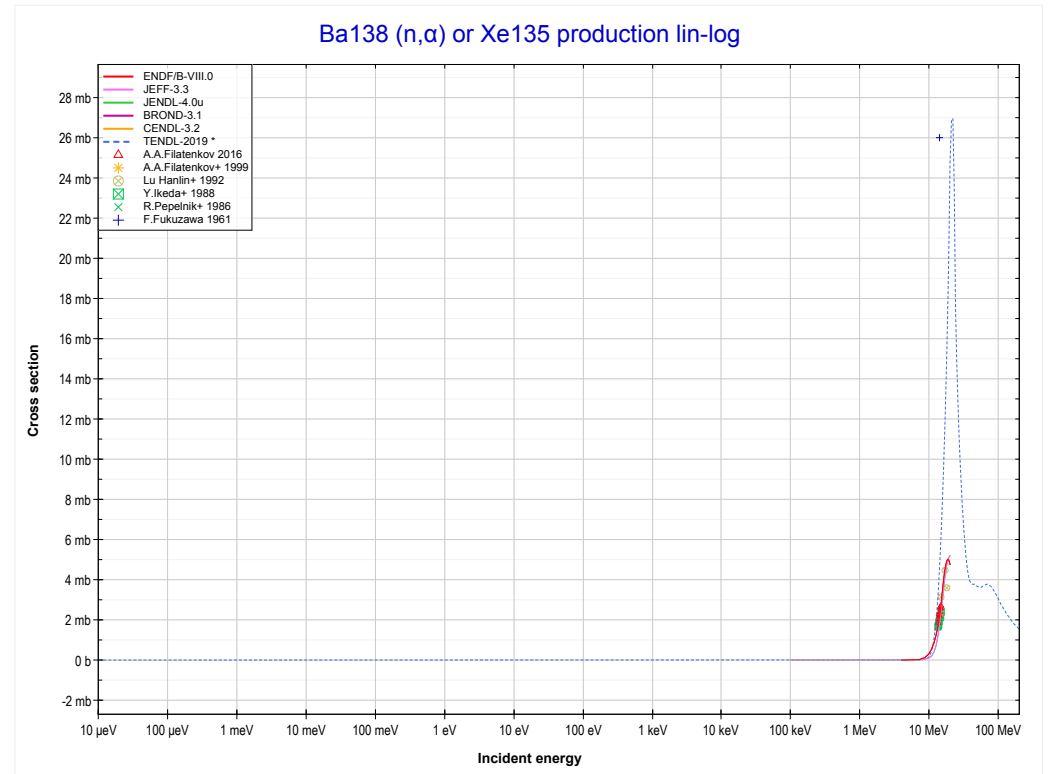
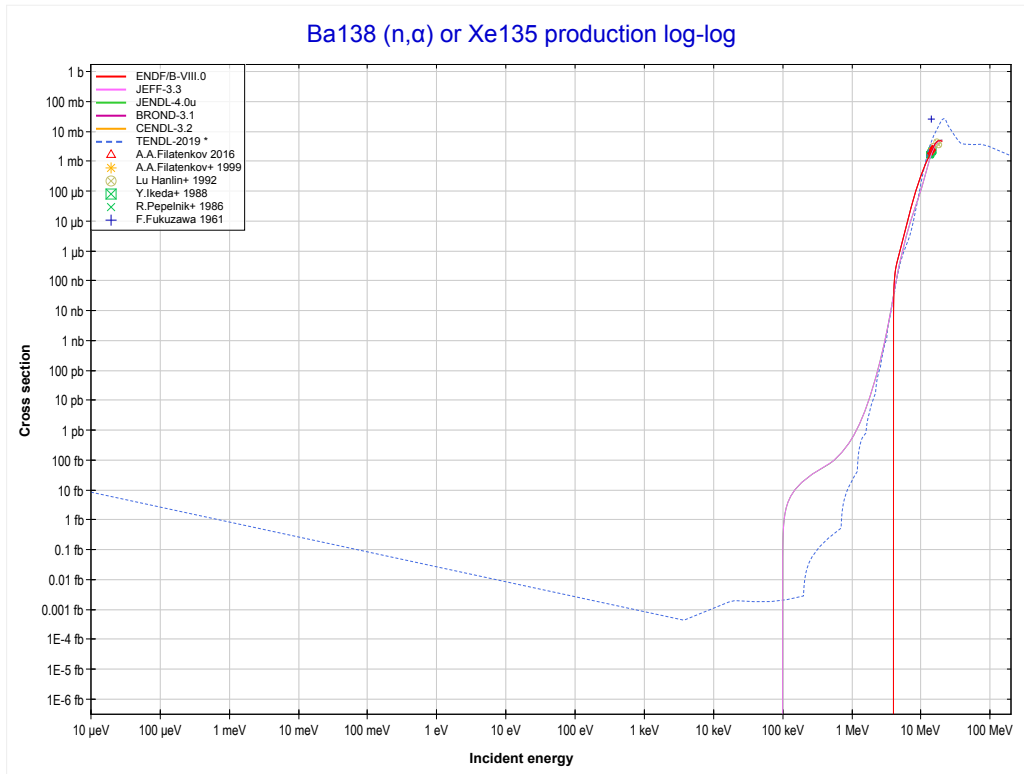
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1467E-6 b | 0.0019252 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.77348E-7 b | 0.00198057 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.77348E-7 b | 0.00198057 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1467E-6 b | 0.0019252 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1467E-6 b | 0.0019252 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.16262E-7 b | 0.00172467 b |

| | | |
|----------------|--|-------------------------|
| << 52-Te-130 | 56-Ba-138 | 58-Ce-142 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Cs137 production) | MT107 (n, α) >> |



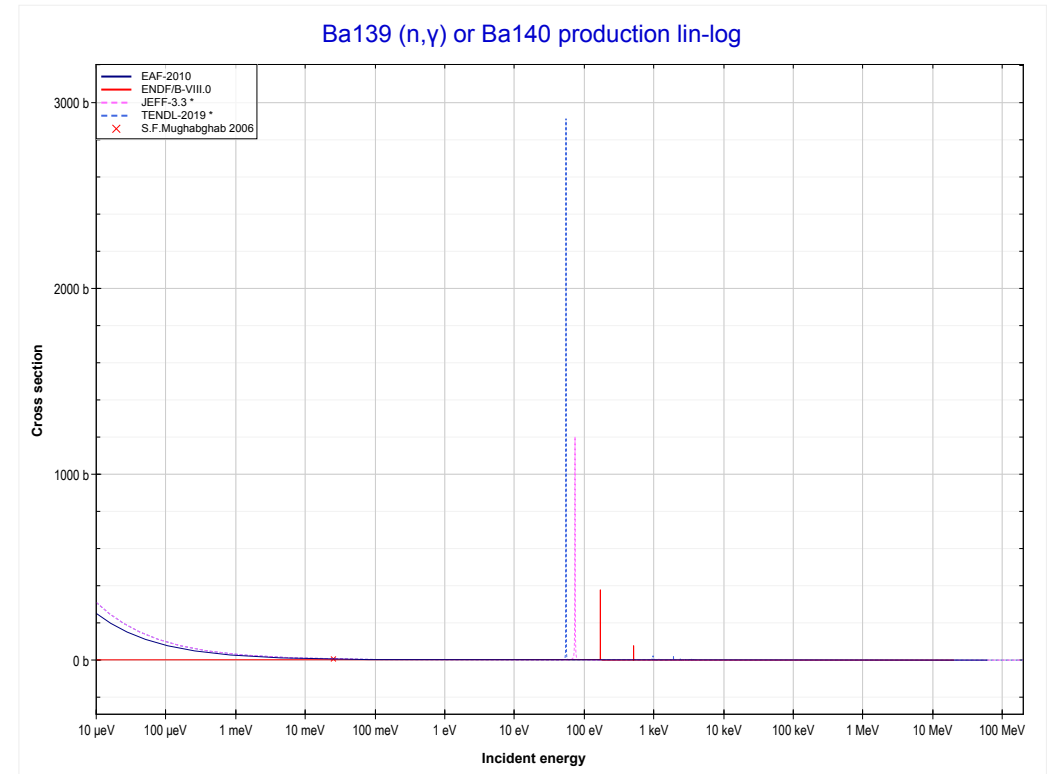
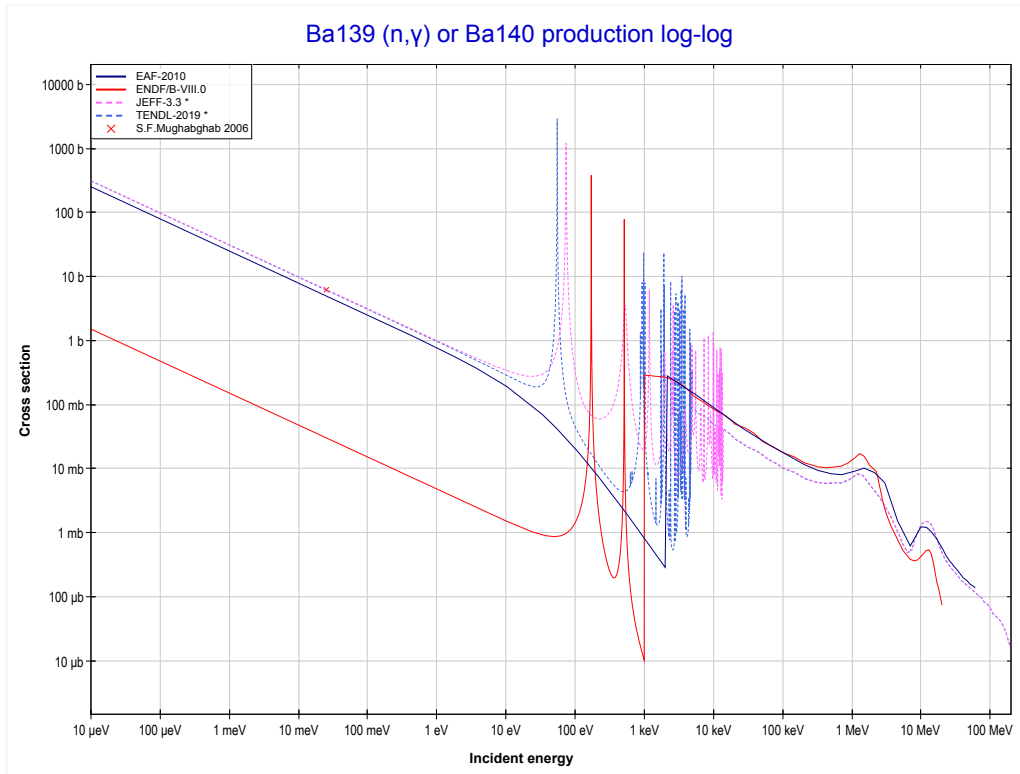
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.72491E-8 b | 9.0091E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05706E-7 b | 7.0935E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.88358E-8 b | 5.76344E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.88358E-8 b | 5.76344E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05706E-7 b | 7.0935E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.05706E-7 b | 7.0935E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08647E-7 b | 8.06164E-5 b |

| | | |
|----------------|--|-----------------------------------|
| << 56-Ba-136 | 56-Ba-138 | 57-La-138 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Xe135 production) | 56-Ba-139 MT102 (n, γ) >> |



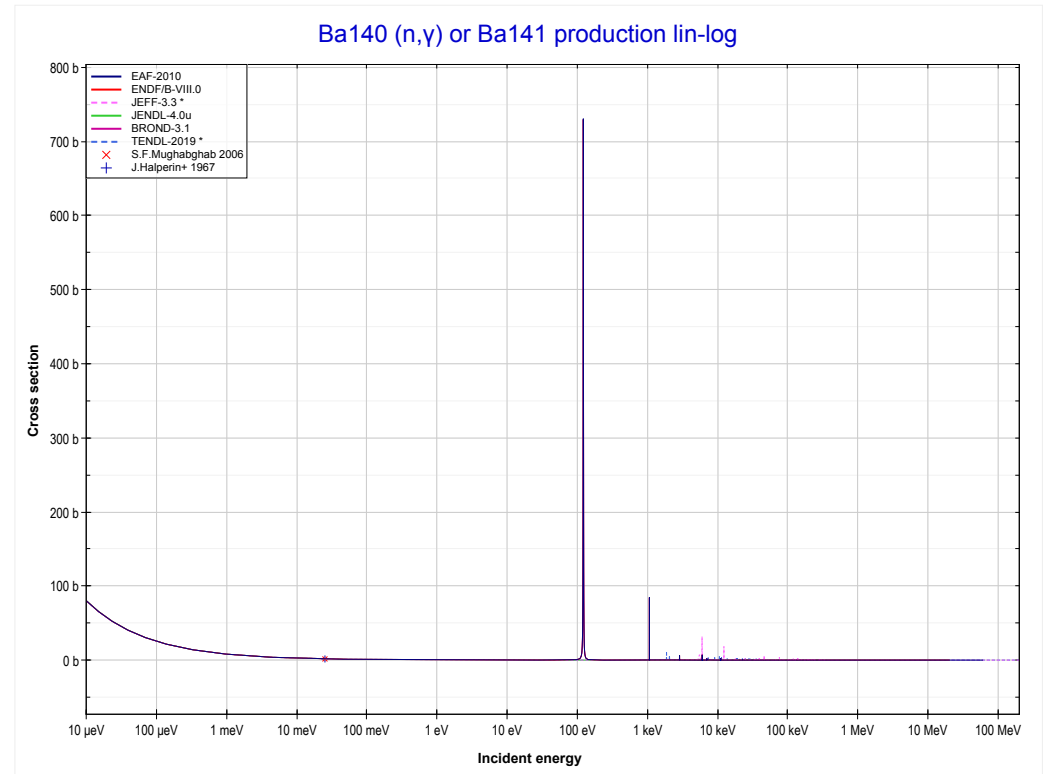
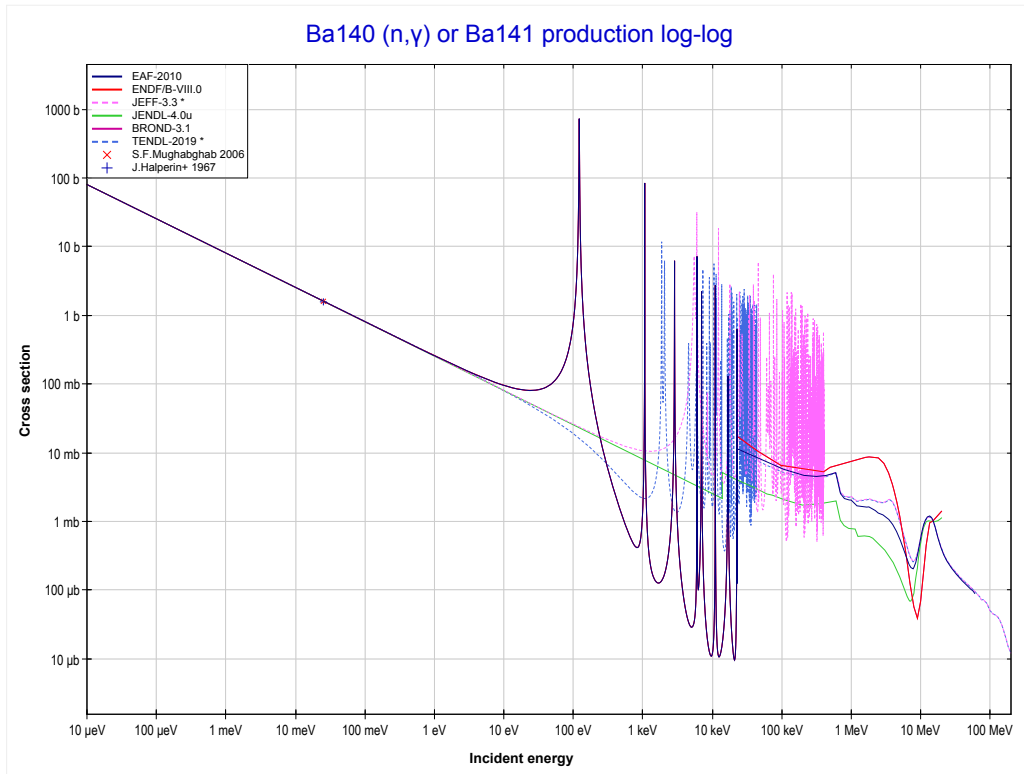
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16539E-6 b | 0.0020735 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.11467E-26 b | 1.49261E-6 b | 0.001679 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 4.11475E-26 b | 1.49261E-6 b | 0.001679 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16539E-6 b | 0.0020735 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16538E-6 b | 0.0020735 b |
| TENDL-2019 | 1.689E-16 b | 1.689E-16 b | 1.6885E-16 b | 0.99971 | 7.99251E-17 b | 2.92965E-6 b | 0.00437226 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 56-Ba-138 | 56-Ba-139 | 56-Ba-140 >> |
| << 56-Ba-138 MT107 (n, α) | MT102 (n,γ) or MT5 (Ba140 production) | 56-Ba-140 MT102 (n, γ) >> |



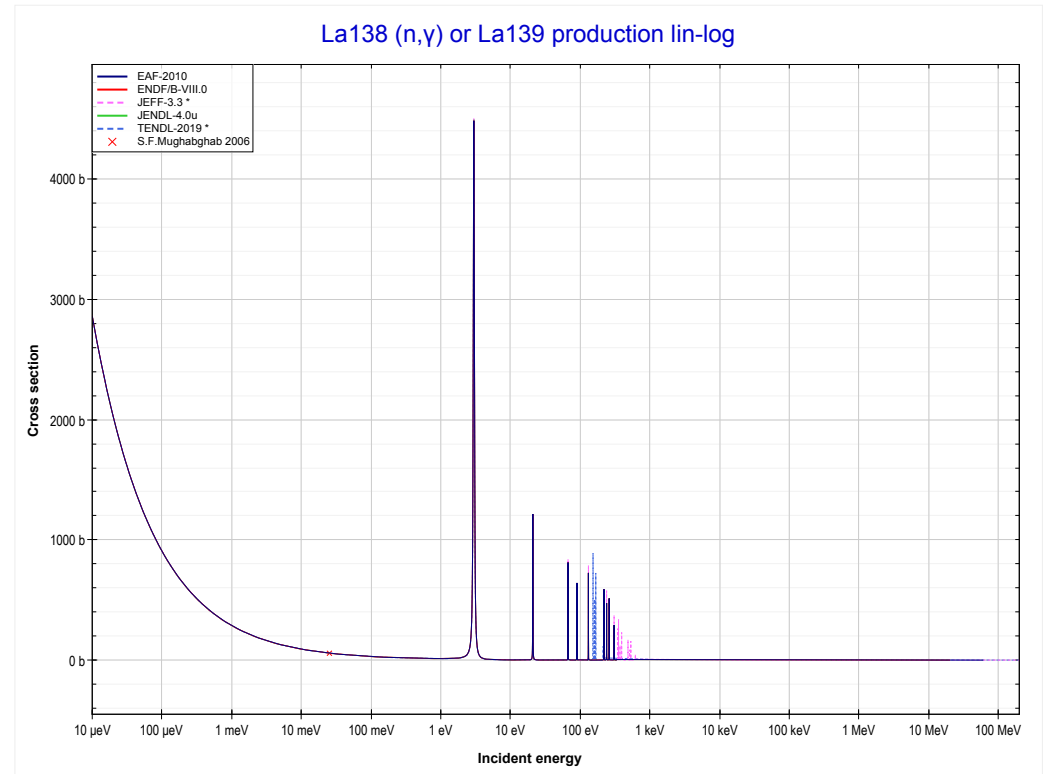
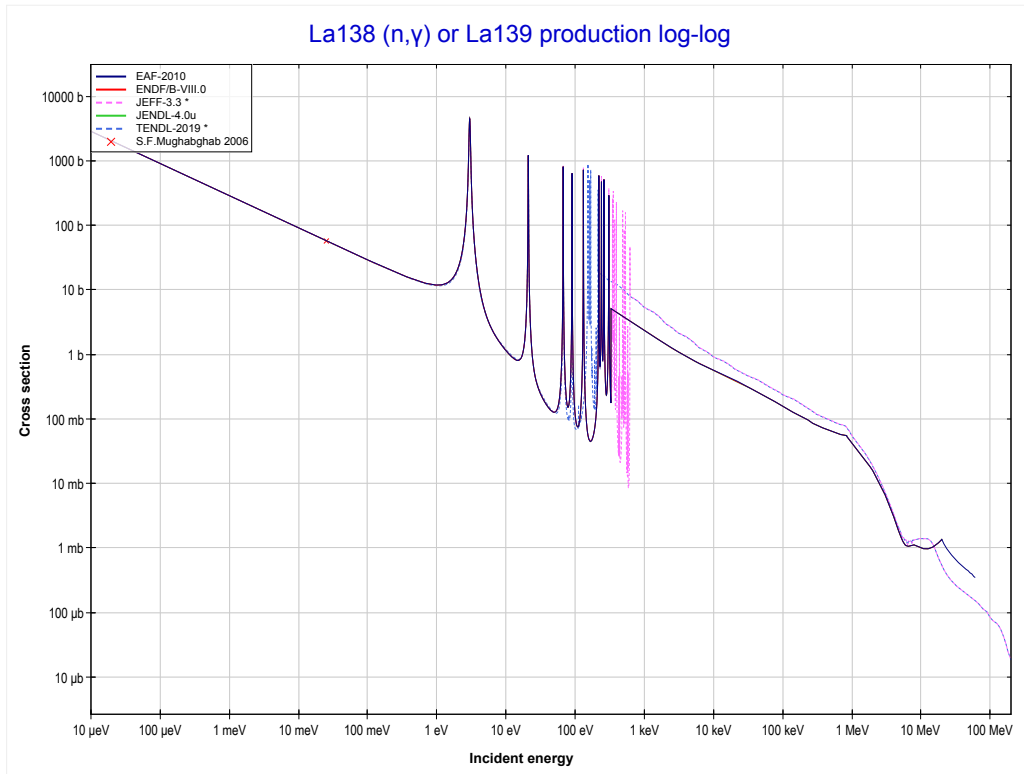
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.99608 b | 4.99233 b | 4.9903 b | 0.99958 | 2.21013 b | 0.00784172 b | 0.00104 b |
| ENDF/B-VIII.0 | 0.0299431 b | 0.0299431 b | 0.02995 b | 1.00021 | 2.4099 b | 0.00941936 b | 4.67308E-4 b |
| JEFF-3.3 | 6.18061 b | 6.18061 b | 6.1831 b | 1.0004 | 26.3277 b | 0.00525281 b | 0.00134529 b |
| TENDL-2019 | 6.16931 b | 6.16931 b | 6.1689 b | 0.99993 | 30.426 b | 0.0051806 b | 0.00134487 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 56-Ba-139 | 56-Ba-140 | 57-La-138 >> |
| << 56-Ba-139 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ba141 production) | 57-La-138 MT102 (n, γ) >> |



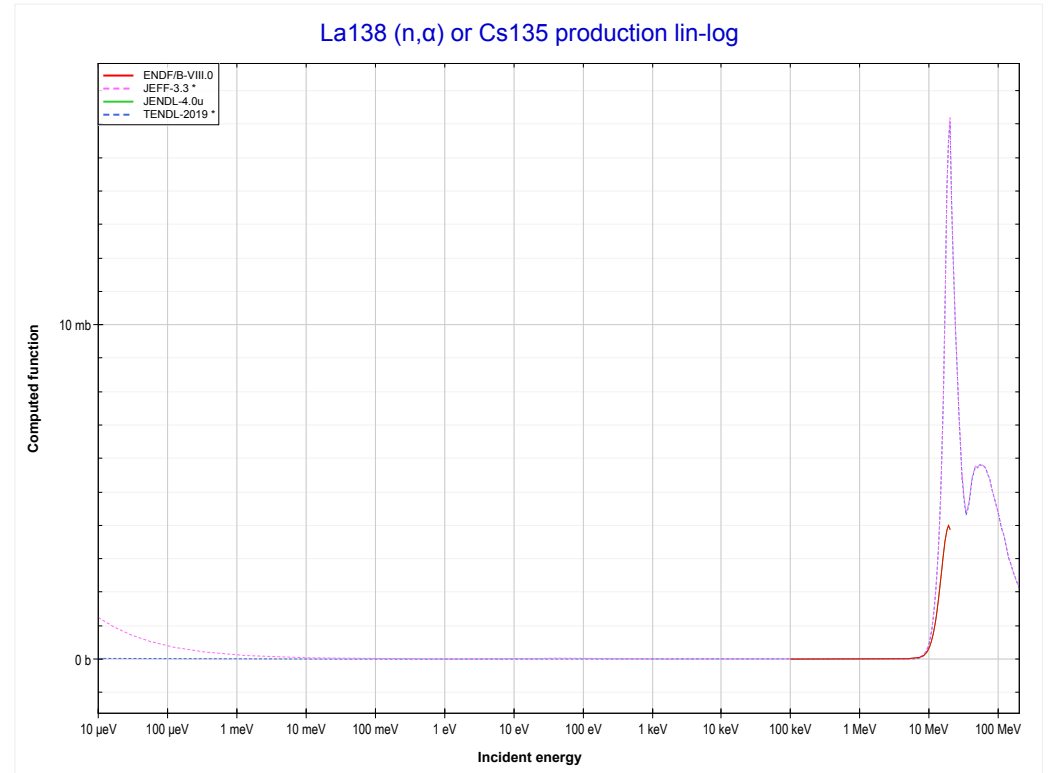
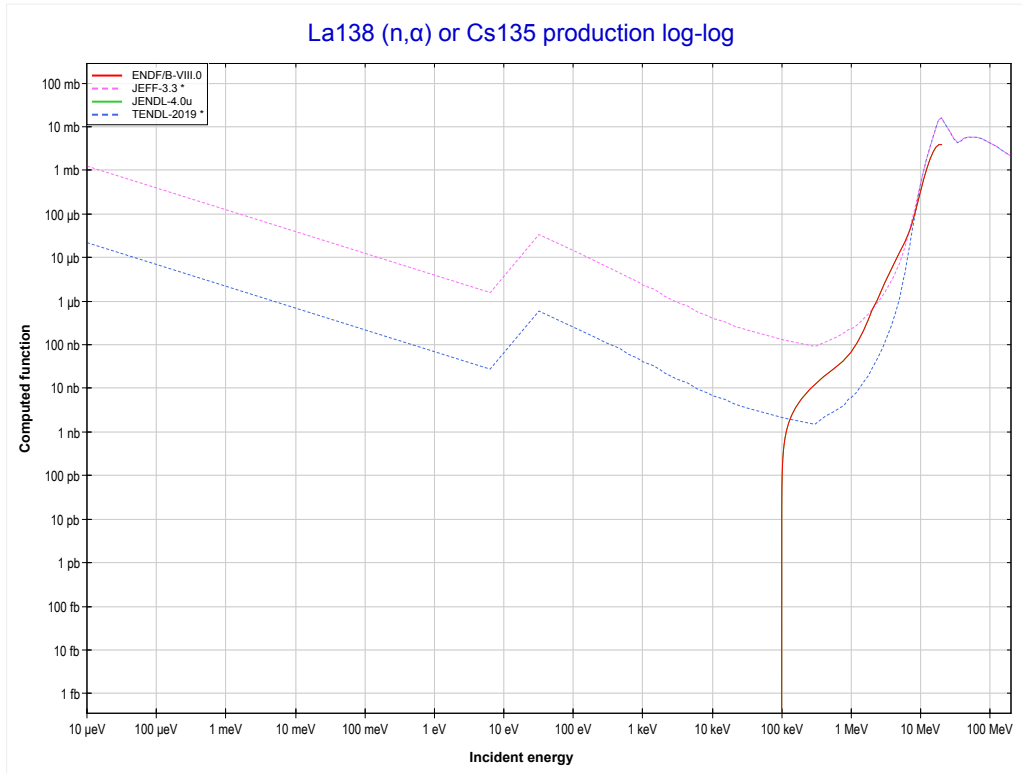
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.59593 b | 1.59474 b | 1.5948 b | 1.00005 | 14.3125 b | 0.00212208 b | 0.00116949 b |
| ENDF/B-VIII.0 | 1.59483 b | 1.59483 b | 1.5958 b | 1.00061 | 14.3246 b | 0.00655071 b | 9.70612E-4 b |
| JEFF-3.3 | 1.59181 b | 1.59181 b | 1.5923 b | 1.00031 | 1.62191 b | 0.00457278 b | 0.00113707 b |
| JENDL-4.0u | 1.60045 b | 1.60045 b | 1.6011 b | 1.00041 | 0.72375 b | 7.98995E-4 b | 0.00100003 b |
| BROND-3.1 | 1.59483 b | 1.59483 b | 1.5958 b | 1.00061 | 14.3246 b | 0.00655071 b | 9.70612E-4 b |
| TENDL-2019 | 1.59375 b | 1.59375 b | 1.5946 b | 1.00052 | 0.923431 b | 0.00255162 b | 0.00113692 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 56-Ba-140 | 57-La-138 | 57-La-139 >> |
| << 56-Ba-140 MT102 (n, γ) | MT102 (n,γ) or MT5 (La139 production) | MT107 (n, α) >> |



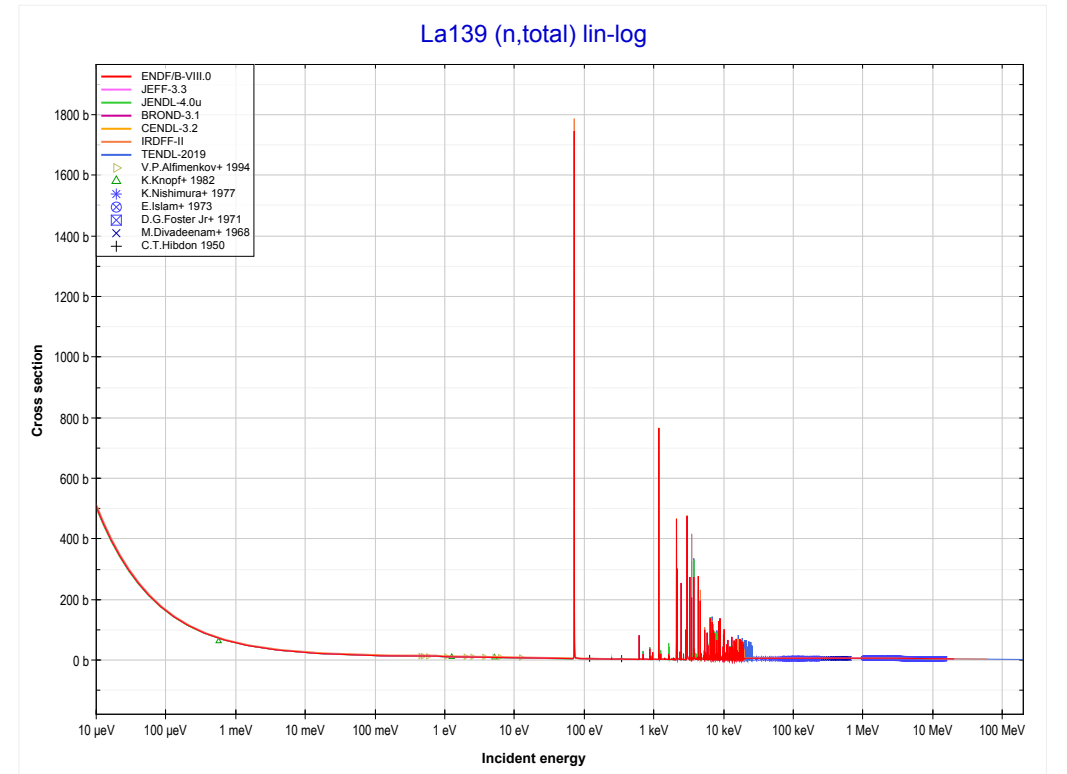
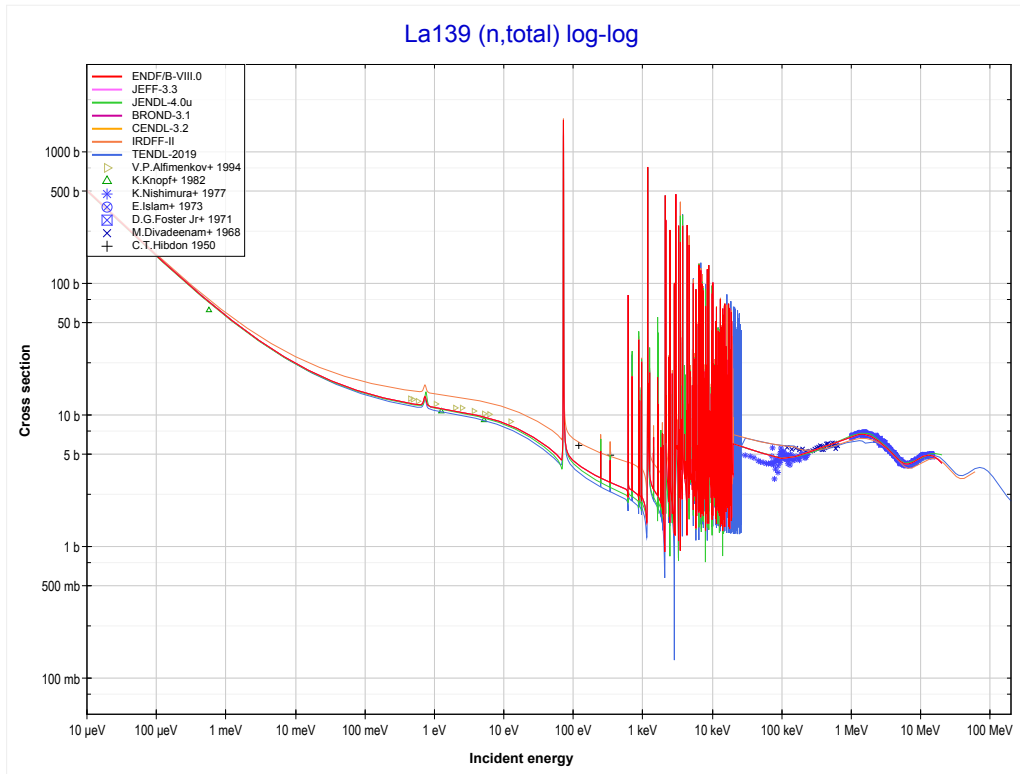
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 57.195 b | 57.1585 b | 57.363 b | 1.00369 | 364.487 b | 0.0344009 b | 0.0010008 b |
| ENDF/B-VIII.0 | 57.1006 b | 57.1006 b | 57.226 b | 1.00219 | 364.445 b | 0.0343718 b | 0.00100082 b |
| JEFF-3.3 | 57.1299 b | 57.1299 b | 57.254 b | 1.00217 | 373.24 b | 0.0488368 b | 0.00127668 b |
| JENDL-4.0u | 57.077 b | 57.077 b | 57.202 b | 1.00219 | 364.574 b | 0.0343606 b | 0.00100082 b |
| TENDL-2019 | 57.0074 b | 57.0074 b | 57.1 b | 1.00162 | 348.913 b | 0.0482667 b | 0.00127606 b |

| | | |
|-------------------------|--|----------------------------|
| << 56-Ba-138 | 57-La-138 | 57-La-139 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Cs135 production) | 57-La-139 MT1 (n,total) >> |



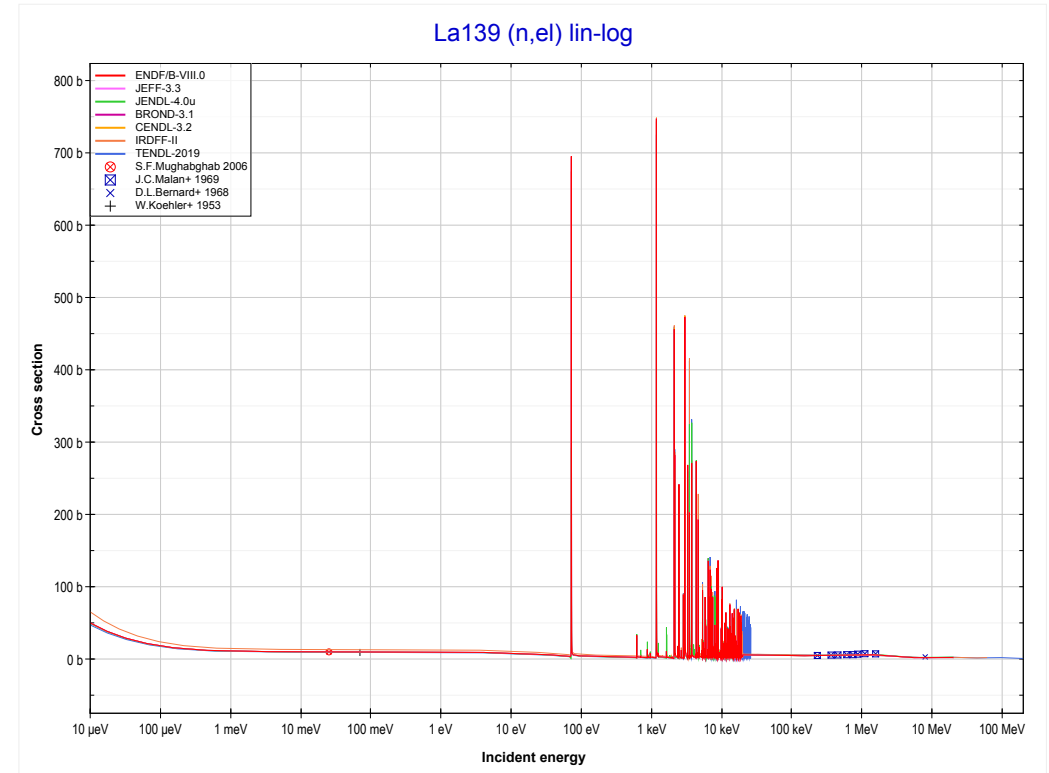
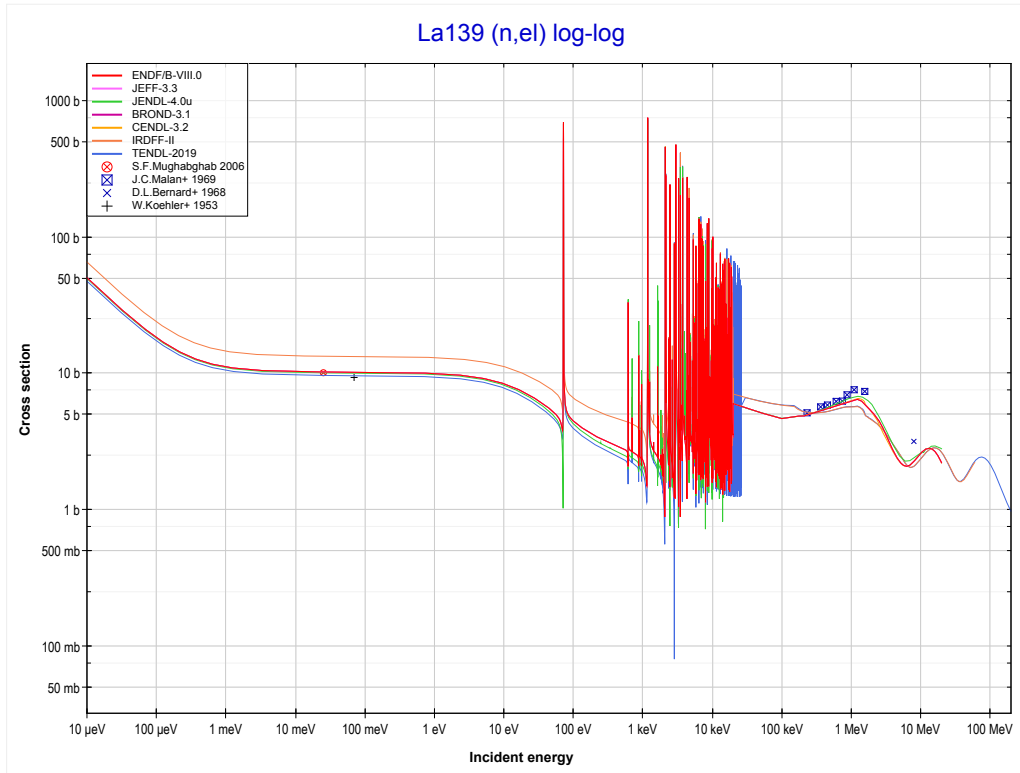
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.25746E-20 b | 5.25077E-6 b | 0.00200267 b |
| JEFF-3.3 | 2.48433E-5 b | 2.48433E-5 b | 2.4838E-5 b | 0.99979 | 7.0083E-5 b | 6.46884E-6 b | 0.00381926 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.25747E-20 b | 5.25077E-6 b | 0.00200267 b |
| TENDL-2019 | 4.38086E-7 b | 4.38086E-7 b | 4.378E-7 b | 0.99935 | 1.23092E-6 b | 4.61999E-6 b | 0.00390656 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 56-Ba-138 | 57-La-139 | 58-Ce-140 >> |
| << 57-La-138 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



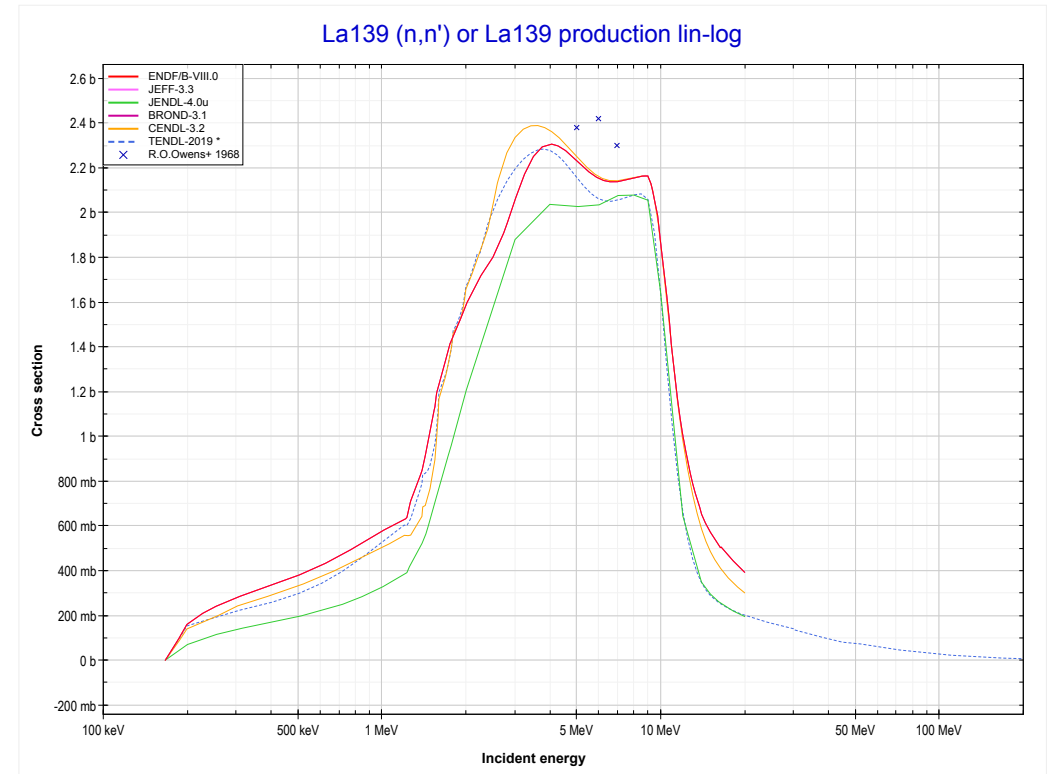
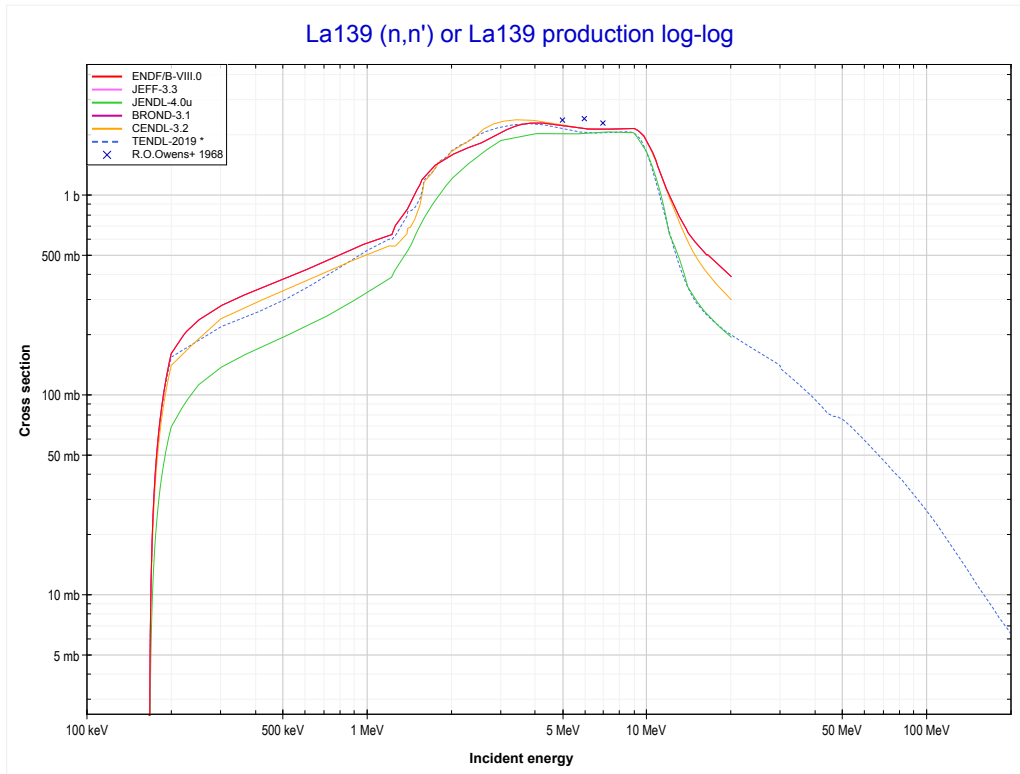
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 19.2464 b | 19.2464 b | 20.55 b | 1.06772 | 96.3295 b | 6.1226 b | 4.92585 b |
| JEFF-3.3 | 19.2464 b | 19.2464 b | 20.55 b | 1.06772 | 96.3295 b | 6.1226 b | 4.92585 b |
| JENDL-4.0u | 19.008 b | 19.008 b | 20.294 b | 1.06765 | 93.8423 b | 6.20788 b | 5.06672 b |
| BROND-3.1 | 19.2464 b | 19.2464 b | 20.55 b | 1.06772 | 96.3295 b | 6.1226 b | 4.92585 b |
| CENDL-3.2 | 19.2448 b | 19.2448 b | 20.545 b | 1.06758 | 96.3392 b | 6.12185 b | 4.92589 b |
| IRDFF-II | 22.3549 b | 22.3549 b | 24.05 b | 1.07582 | 125.191 b | 5.90275 b | 4.65395 b |
| TENDL-2019 | 18.8454 b | 18.8454 b | 20.072 b | 1.06511 | 94.8337 b | 5.83528 b | 4.82394 b |

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|------------------|------------------------|---------------|
| << 56-Ba-138 | 57-La-139 | 58-Ce-136 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



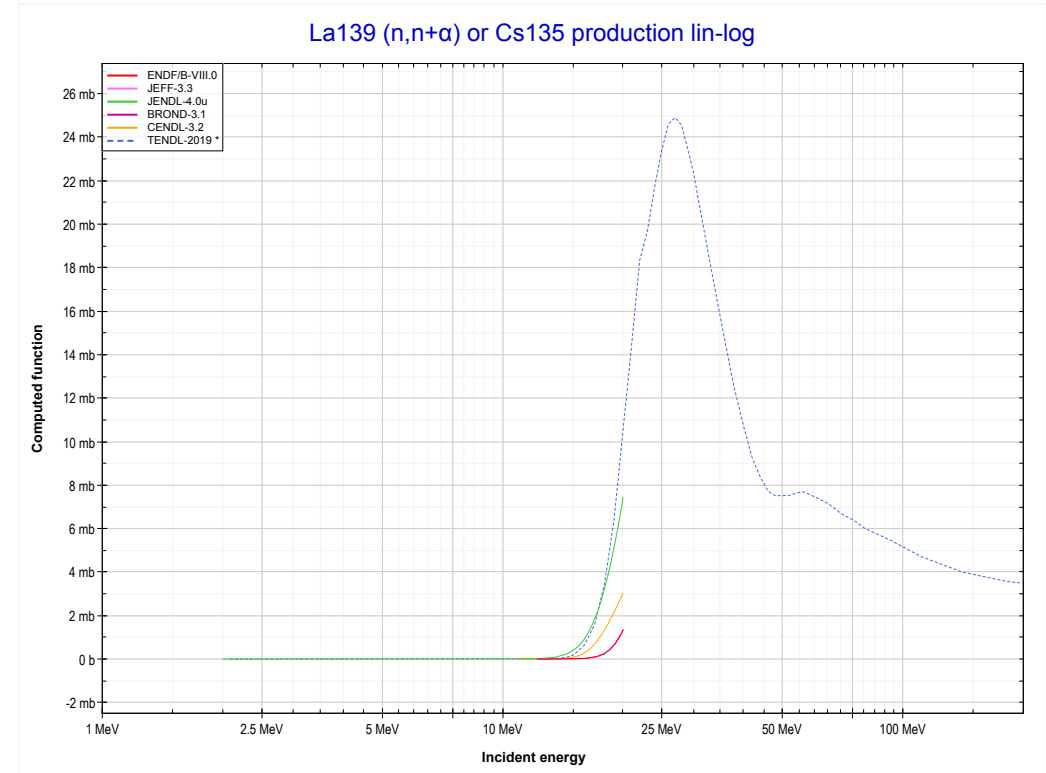
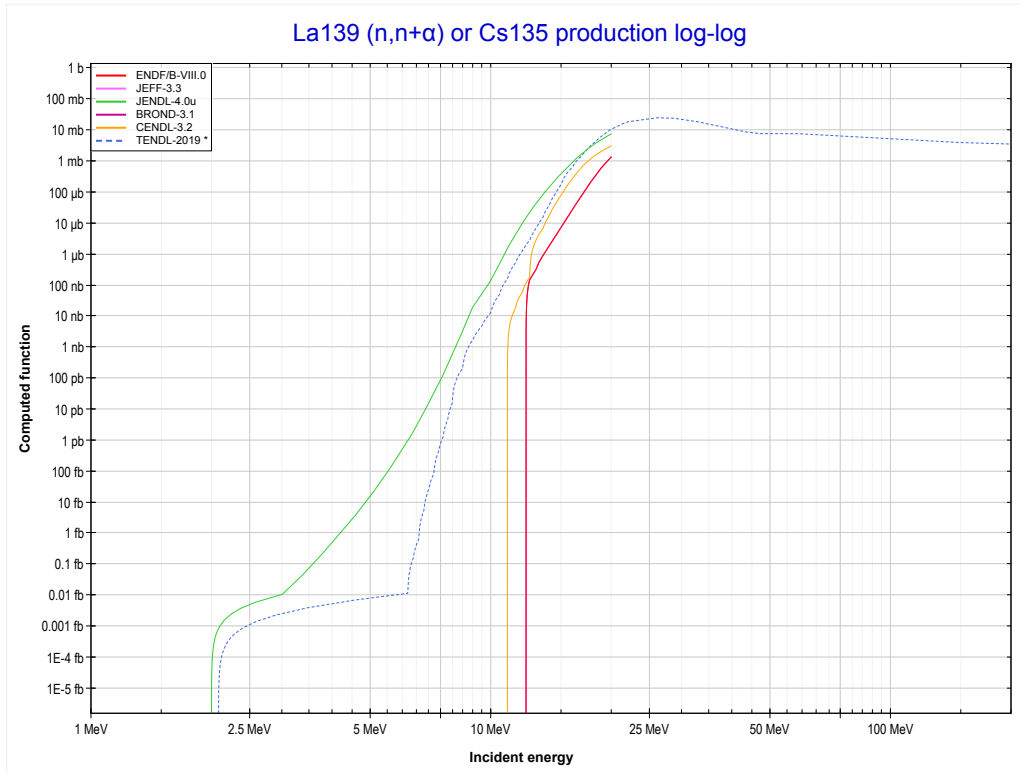
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.2056 b | 10.2056 b | 11.509 b | 1.12774 | 84.9119 b | 4.90284 b | 2.8042 b |
| JEFF-3.3 | 10.2056 b | 10.2056 b | 11.509 b | 1.12774 | 84.9119 b | 4.90284 b | 2.8042 b |
| JENDL-4.0u | 10.0698 b | 10.0698 b | 11.356 b | 1.12771 | 82.2693 b | 5.24036 b | 2.90718 b |
| BROND-3.1 | 10.2056 b | 10.2056 b | 11.509 b | 1.12774 | 84.9119 b | 4.90284 b | 2.8042 b |
| CENDL-3.2 | 10.2056 b | 10.2056 b | 11.51 b | 1.12781 | 84.927 b | 4.89274 b | 2.80439 b |
| IRDFF-II | 13.3148 b | 13.3148 b | 15.021 b | 1.12815 | 113.114 b | 4.61517 b | 2.7978 b |
| TENDL-2019 | 9.63273 b | 9.63273 b | 10.863 b | 1.12777 | 82.2772 b | 4.62418 b | 2.79558 b |

| | | |
|--------------------|---|-----------------|
| << 56-Ba-138 | 57-La-139 | 59-Pr-141 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (La139 production) | MT22 (n,n+α) >> |



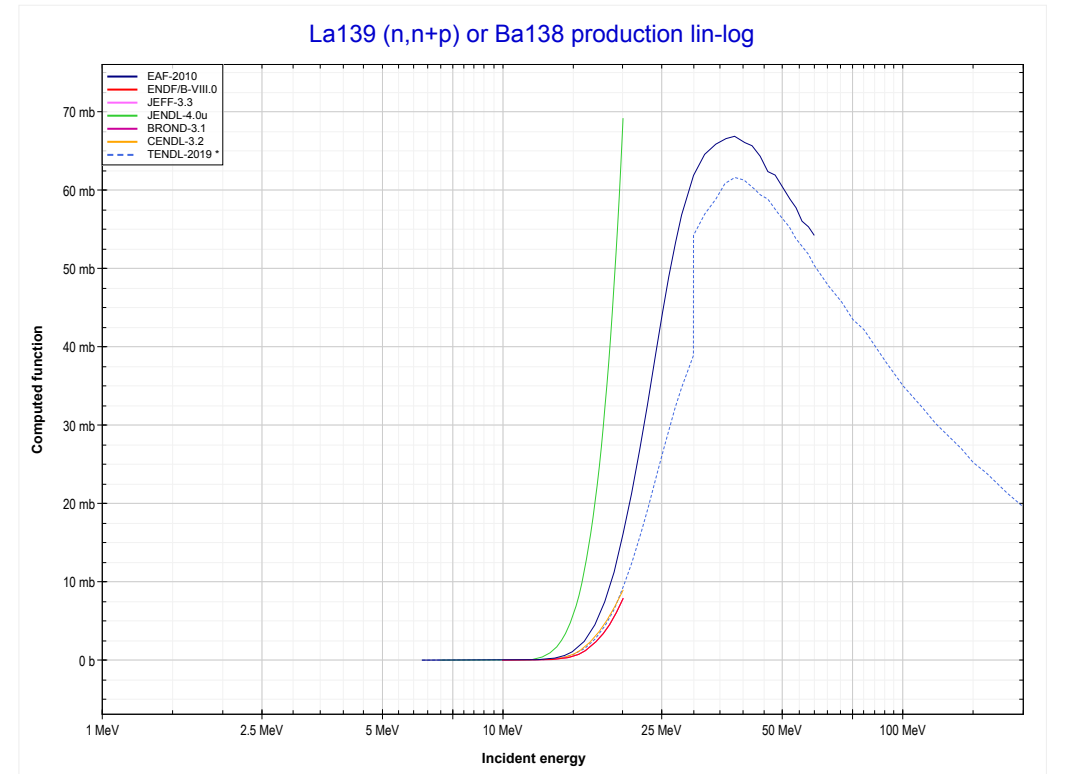
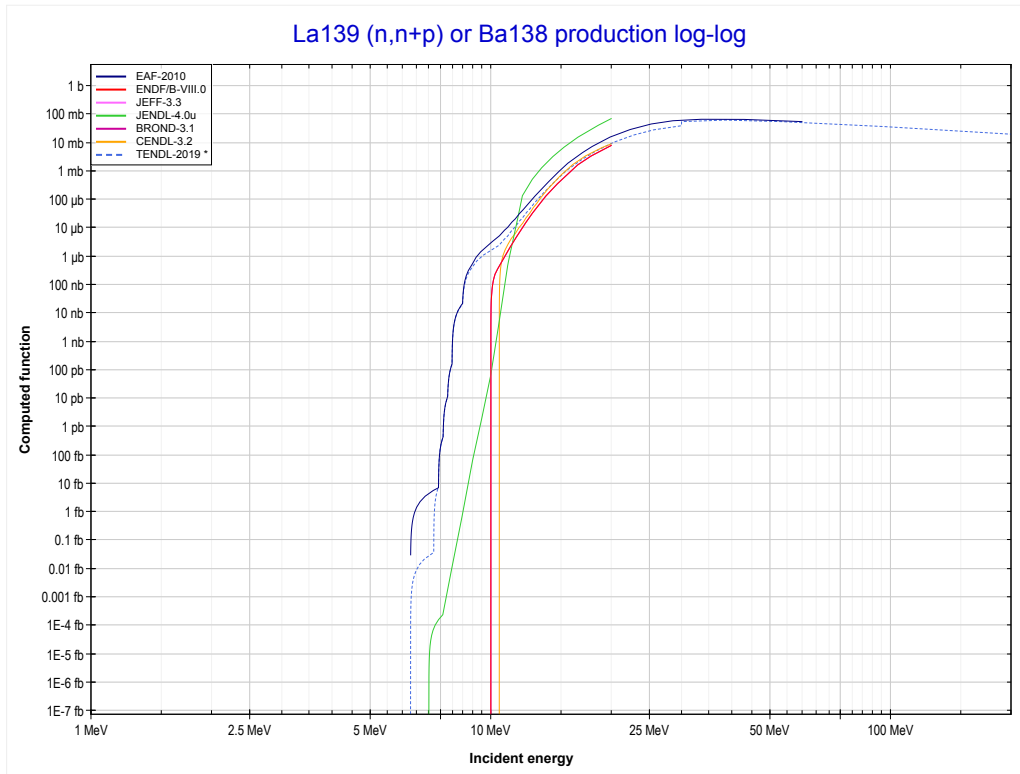
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21075 b | 0.653701 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21075 b | 0.653701 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.957952 b | 0.348971 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21075 b | 0.653701 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.22125 b | 0.588255 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20175 b | 0.3471 b |

| | | |
|---------------|---|-----------------|
| << 49-In-115 | 57-La-139 | 65-Tb-159 >> |
| << MT4 (n,n') | MT22 (n,n+α) or MT5 (Cs135 production) | MT28 (n,n+p) >> |



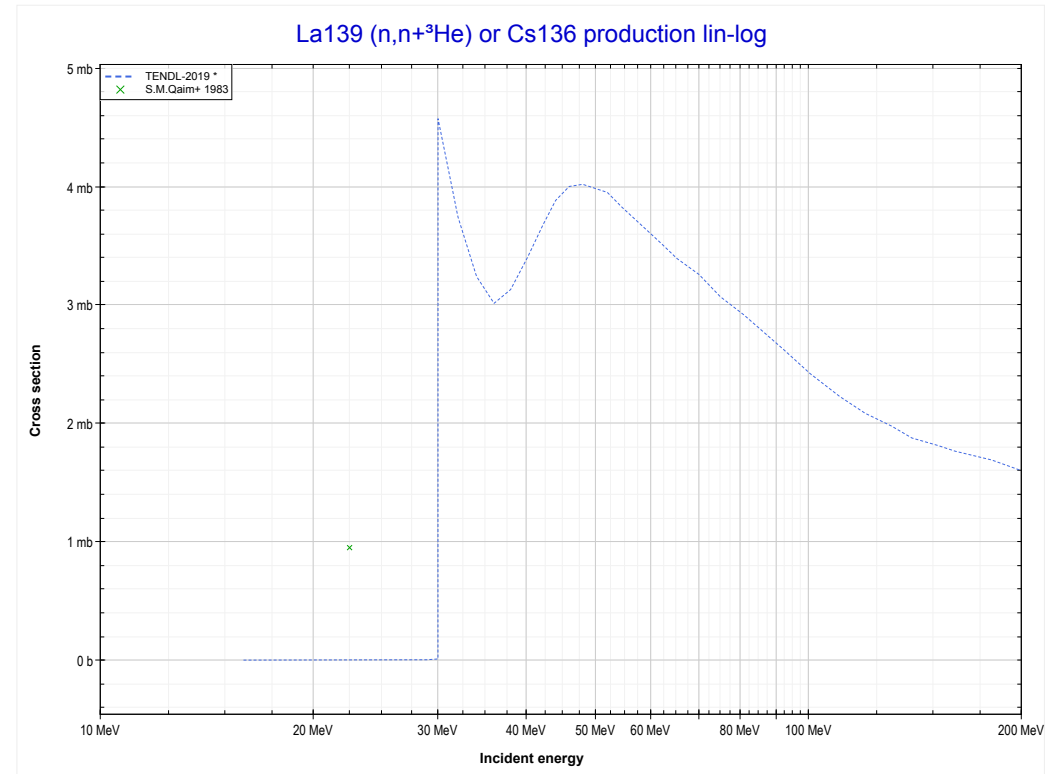
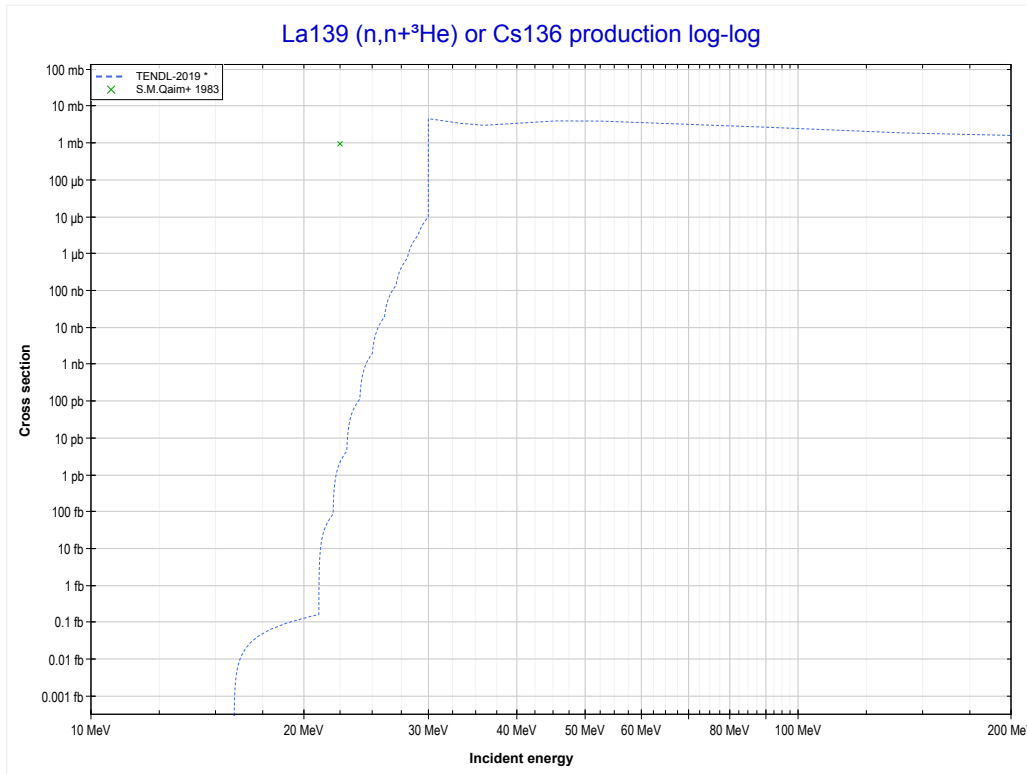
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.651E-9 b | 1.8161E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.651E-9 b | 1.8161E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.11499E-7 b | 1.46936E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.651E-9 b | 1.8161E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17164E-8 b | 1.66918E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.41199E-8 b | 3.7047E-5 b |

| | | |
|-----------------|---|--------------------------------|
| << 56-Ba-138 | 57-La-139 | 58-Ce-142 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Ba138 production) | MT34 (n,n+ ³ He) >> |



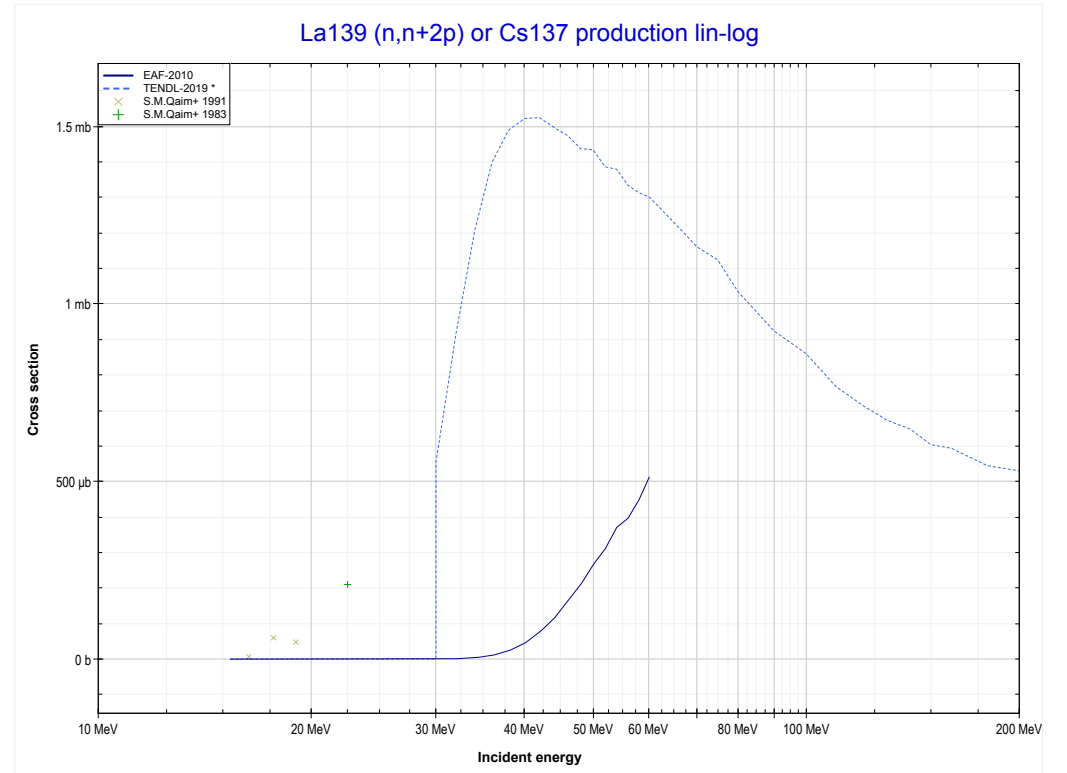
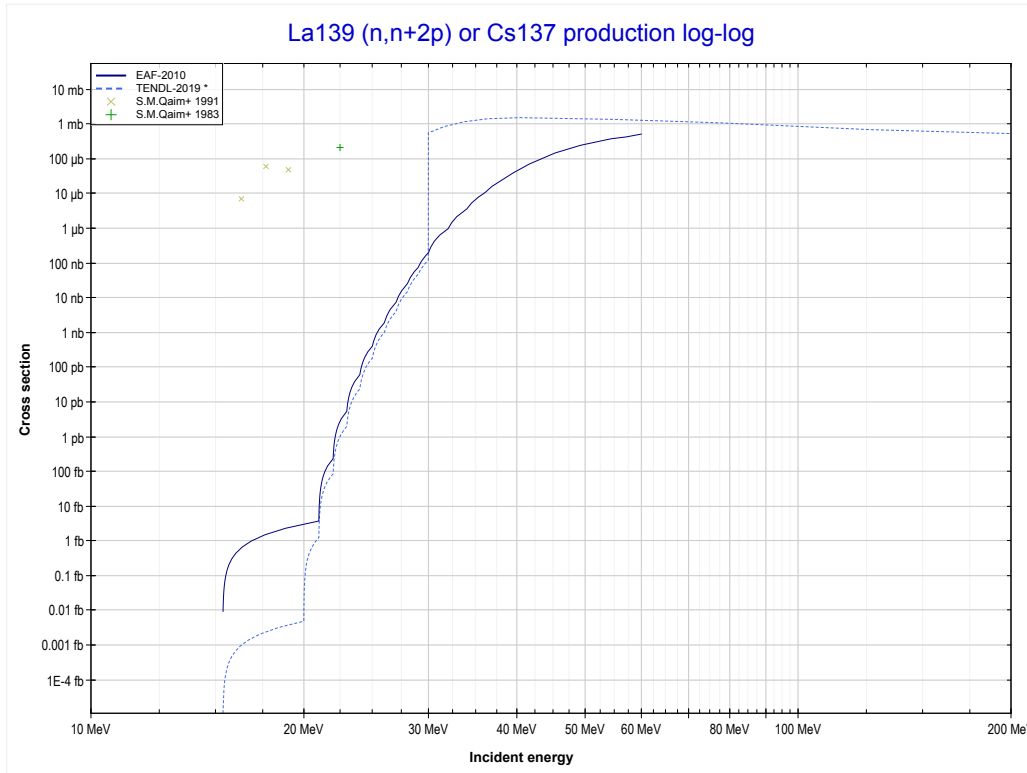
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2895E-7 b | 1.763E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2895E-7 b | 1.763E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.36038E-6 b | 0.00243357 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2895E-7 b | 1.763E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79051E-7 b | 2.56938E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81776E-7 b | 2.66238E-4 b |

| | | |
|-----------------|--|------------------|
| << 53-I-127 | 57-La-139 | 60-Nd-146 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Cs136 production) | MT44 (n,n+2p) >> |



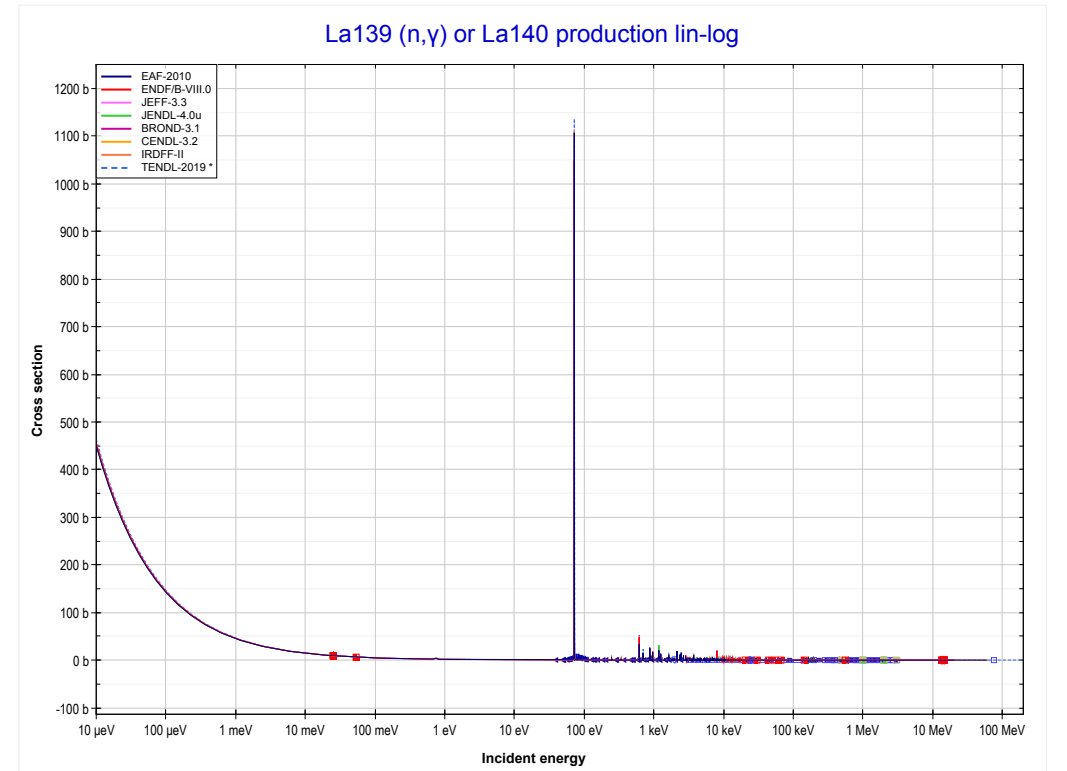
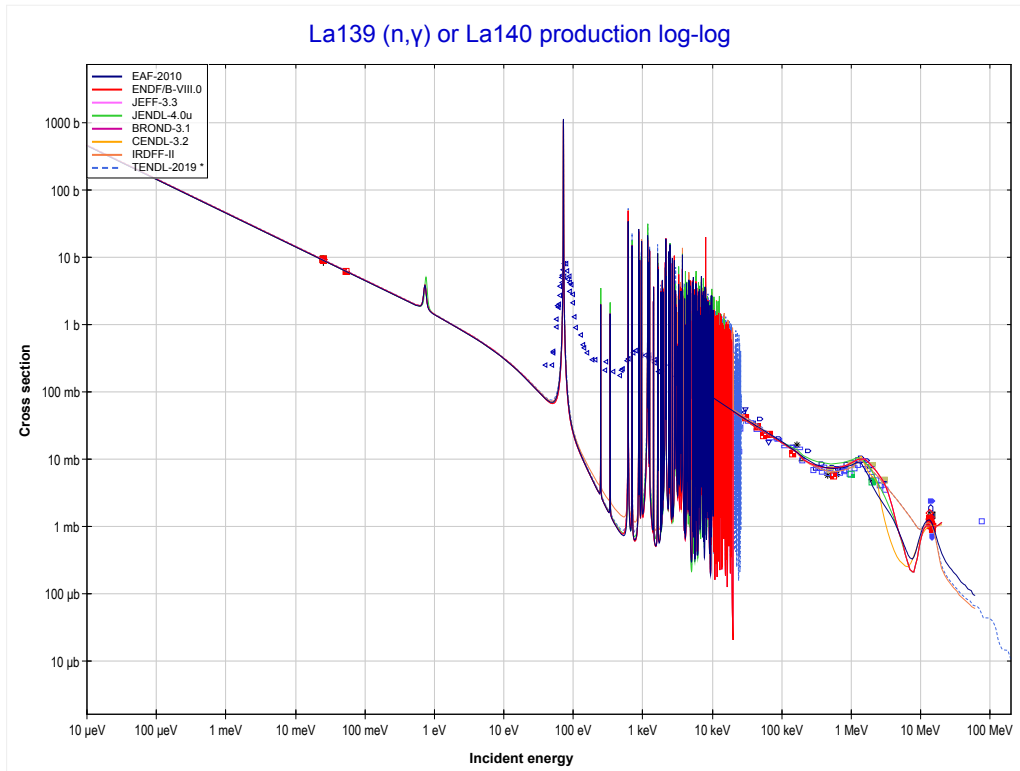
| Reaction | Q-Value |
|---------------------|---------------|
| La139(n,α)Cs136 | 4758.90 keV |
| La139(n,p+t)Cs136 | -15054.96 keV |
| La139(n,n+He3)Cs136 | -15818.72 keV |
| La139(n,2d)Cs136 | -19087.63 keV |
| La139(n,n+p+d)Cs136 | -21312.19 keV |
| La139(n,2n+2p)Cs136 | -23536.76 keV |

| | | |
|--------------------------------|--|-------------------------|
| << 55-Cs-133 | 57-La-139 | 58-Ce-142 >> |
| << MT34 (n,n+ ³ He) | MT44 (n,n+2p) or MT5 (Cs137 production) | MT102 (n, γ) >> |



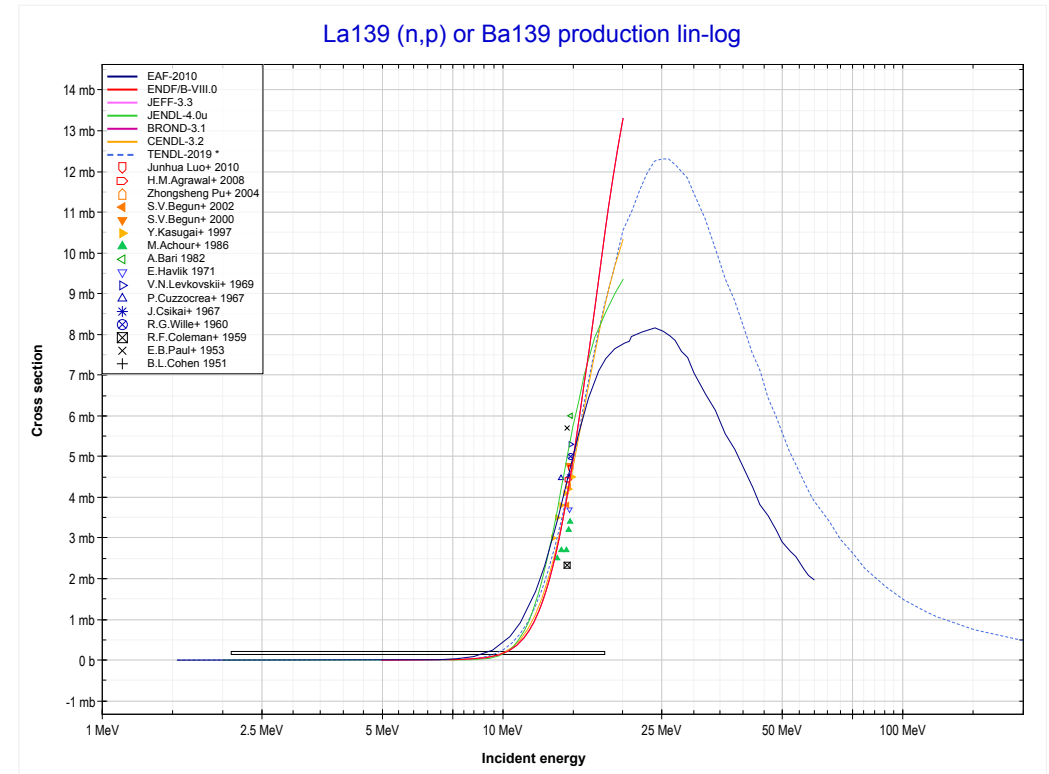
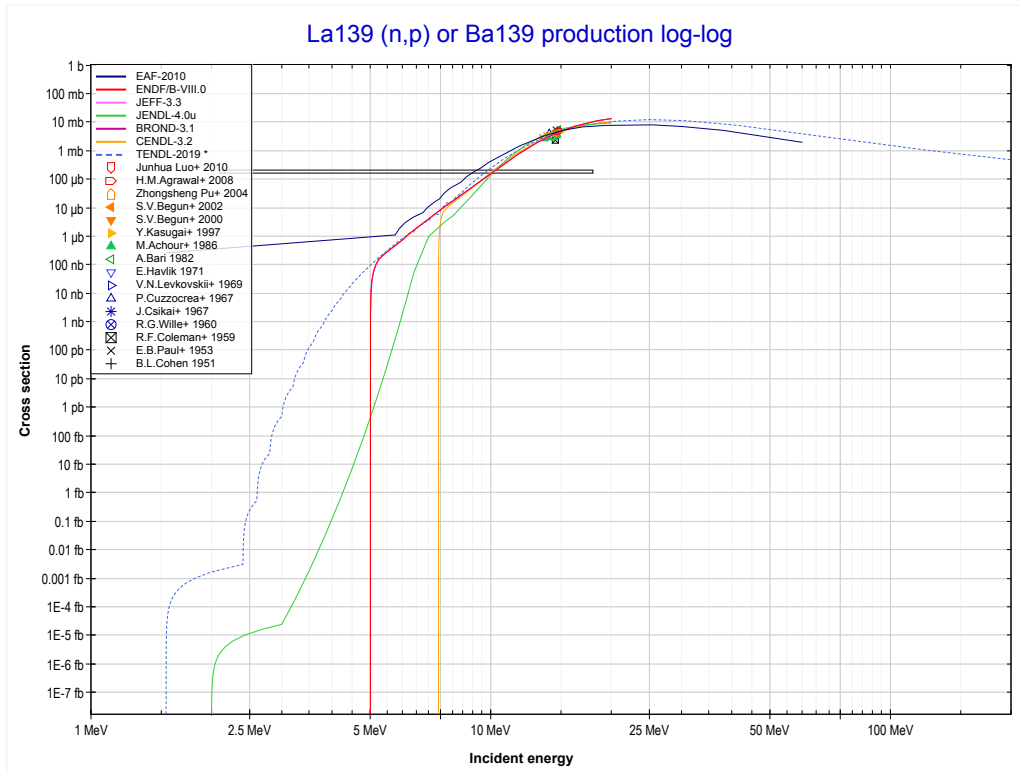
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.57769E-23 b | 0 b |

| | | |
|------------------|--|----------------|
| << 57-La-138 | 57-La-139 | 57-La-140 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (La140 production) | MT103 (n,p) >> |



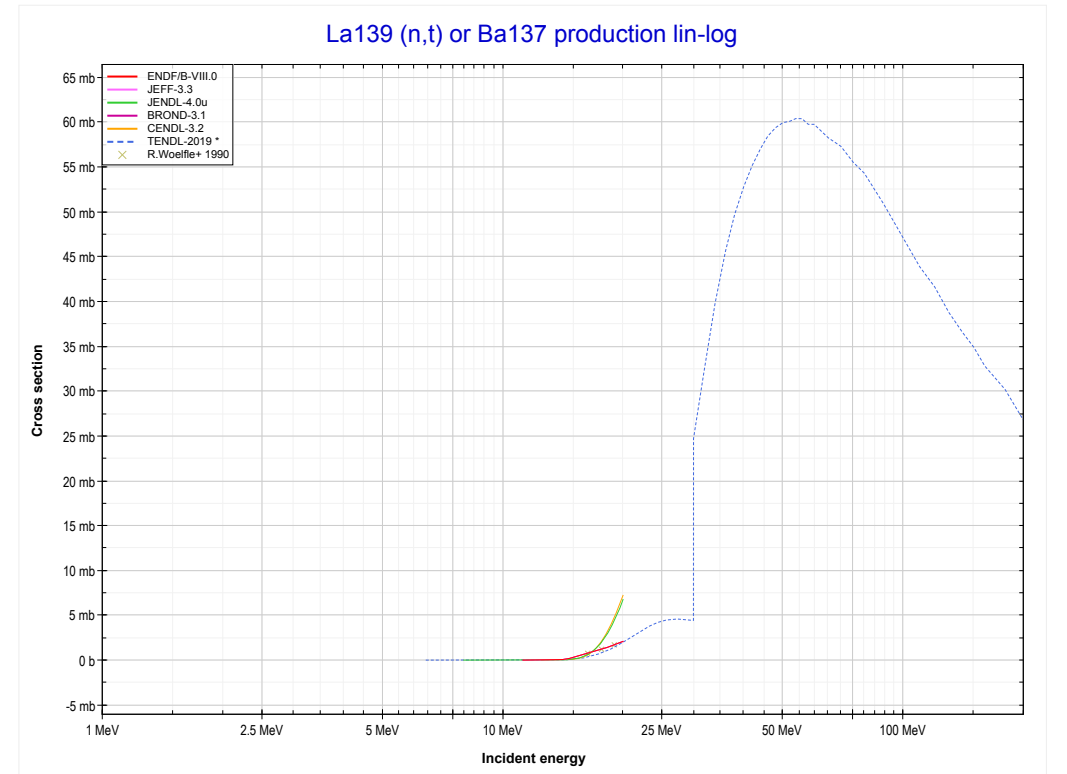
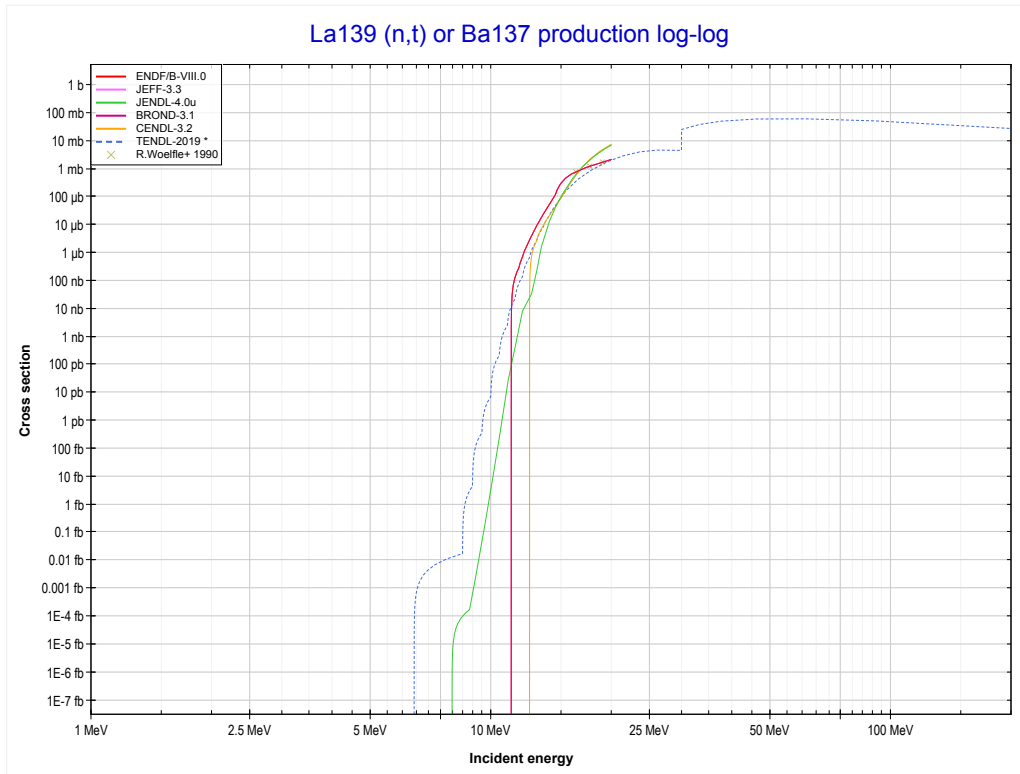
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.93979 b | 8.93309 b | 8.9271 b | 0.99933 | 11.9181 b | 0.00586257 b | 0.00119988 b |
| ENDF/B-VIII.0 | 9.04076 b | 9.04076 b | 9.0404 b | 0.99996 | 11.4176 b | 0.00718195 b | 0.0010016 b |
| JEFF-3.3 | 9.04076 b | 9.04076 b | 9.0404 b | 0.99996 | 11.4176 b | 0.00718195 b | 0.0010016 b |
| JENDL-4.0u | 8.93821 b | 8.93821 b | 8.938 b | 0.99998 | 11.573 b | 0.00707443 b | 0.00100162 b |
| BROND-3.1 | 9.04076 b | 9.04076 b | 9.0404 b | 0.99996 | 11.4176 b | 0.00718195 b | 0.0010016 b |
| CENDL-3.2 | 9.03914 b | 9.03914 b | 9.0354 b | 0.99958 | 11.4119 b | 0.00620497 b | 0.00102102 b |
| IRDFF-II | 9.04014 b | 9.04014 b | 9.0283 b | 0.99869 | 12.0764 b | 0.0067873 b | 0.00108492 b |
| TENDL-2019 | 9.21264 b | 9.21264 b | 9.2088 b | 0.99959 | 12.5551 b | 0.0067591 b | 0.00108492 b |

| | | |
|-------------------------|--|----------------|
| << 56-Ba-138 | 57-La-139 | 58-Ce-140 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ba139 production) | MT105 (n,t) >> |



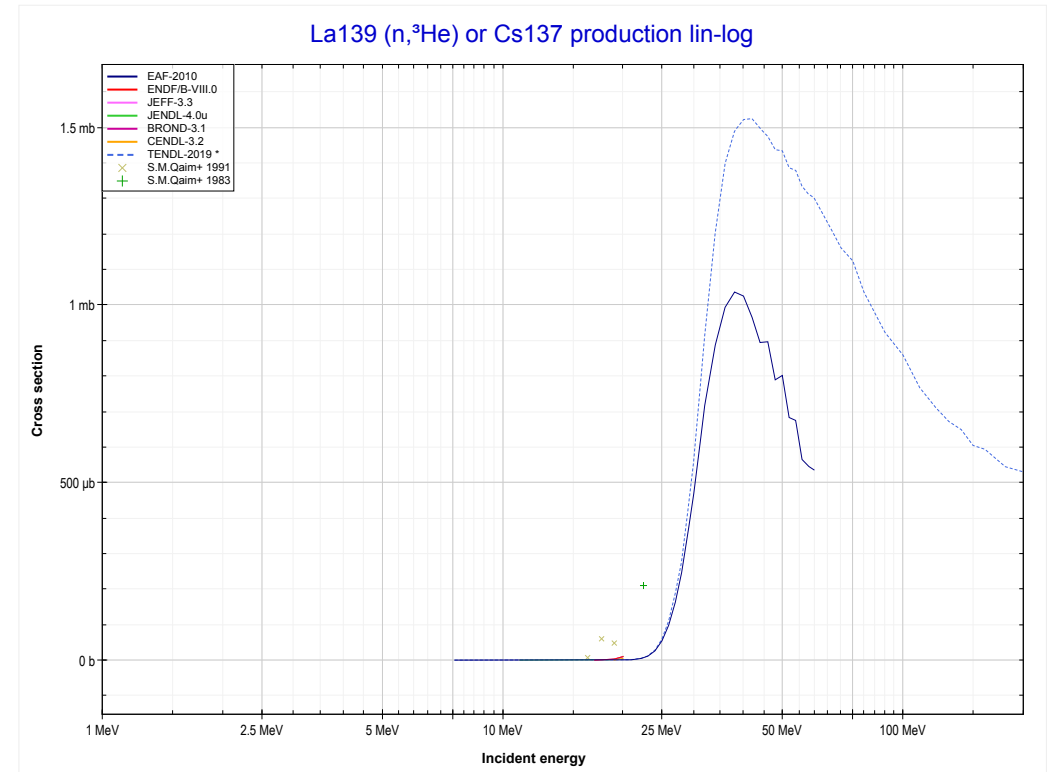
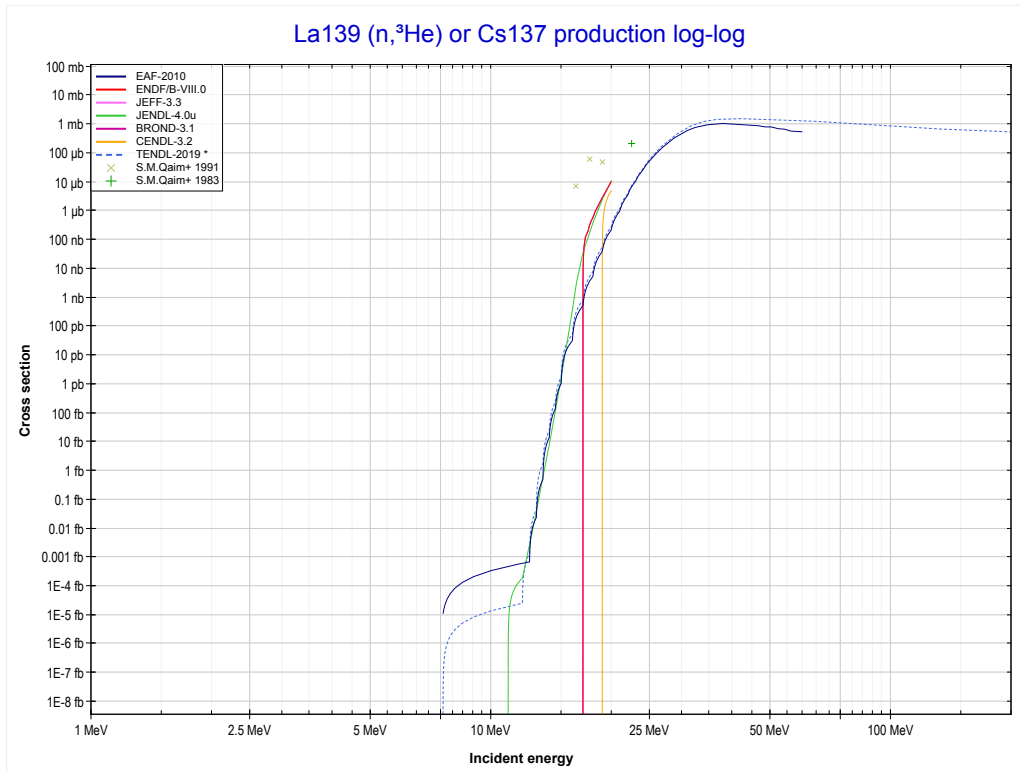
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.0299E-6 b | 0.00378339 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23717E-6 b | 0.0032102 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23717E-6 b | 0.0032102 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.43271E-6 b | 0.00419613 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23717E-6 b | 0.0032102 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22904E-6 b | 0.00325444 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70638E-6 b | 0.00340199 b |

| | | |
|----------------|--|-------------------------------|
| << 56-Ba-134 | 57-La-139 | 59-Pr-141 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ba137 production) | MT106 (n, ³ He) >> |



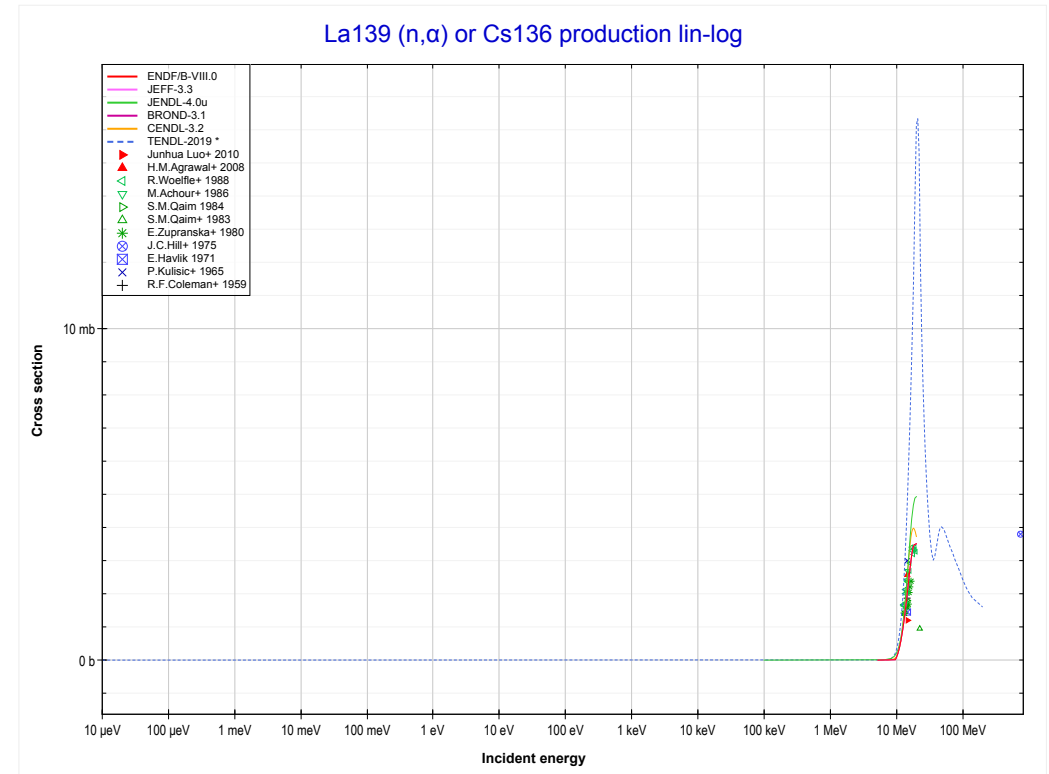
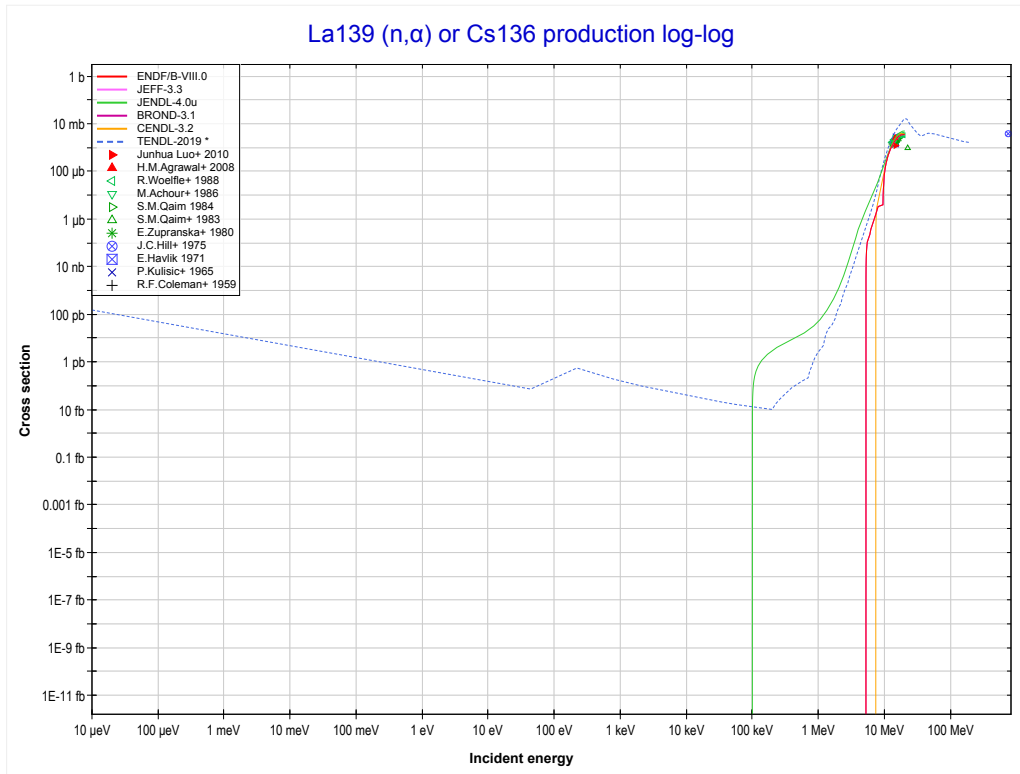
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37022E-8 b | 5.1315E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37022E-8 b | 5.1315E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.28358E-8 b | 1.25823E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37022E-8 b | 5.1315E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.45367E-8 b | 1.96066E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.6685E-8 b | 2.0061E-5 b |

| | | |
|----------------|---|----------------|
| << 55-Cs-133 | 57-La-139 | 58-Ce-142 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Cs137 production) | MT107 (n,α) >> |



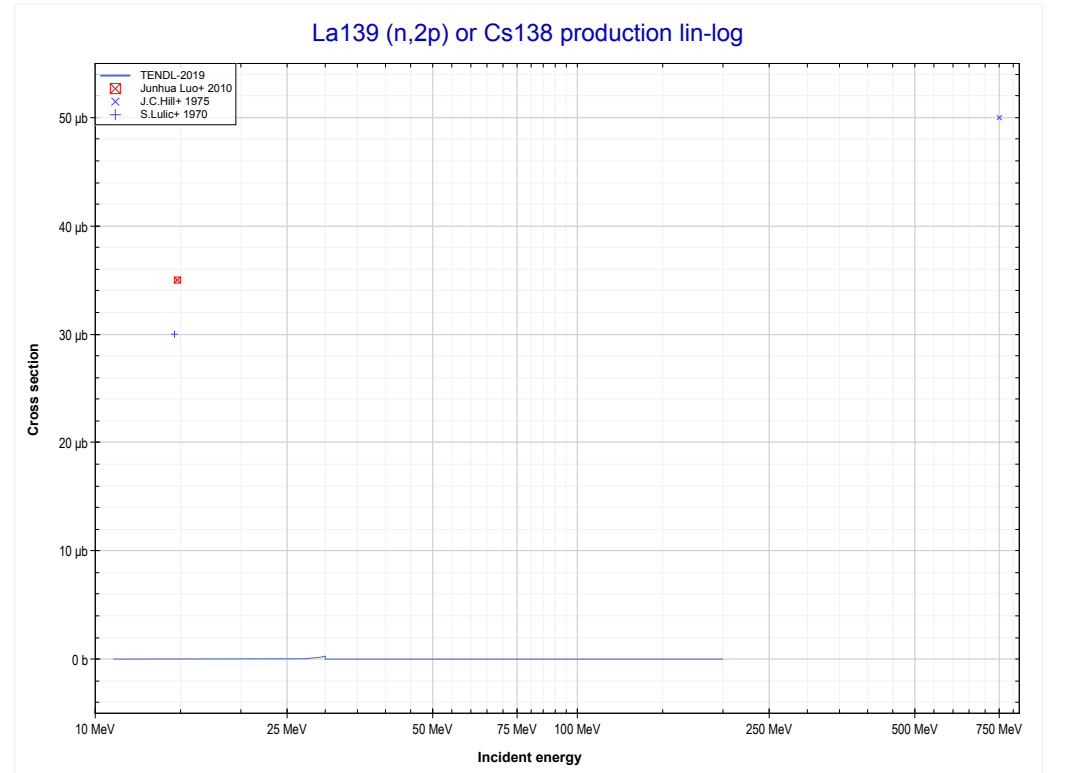
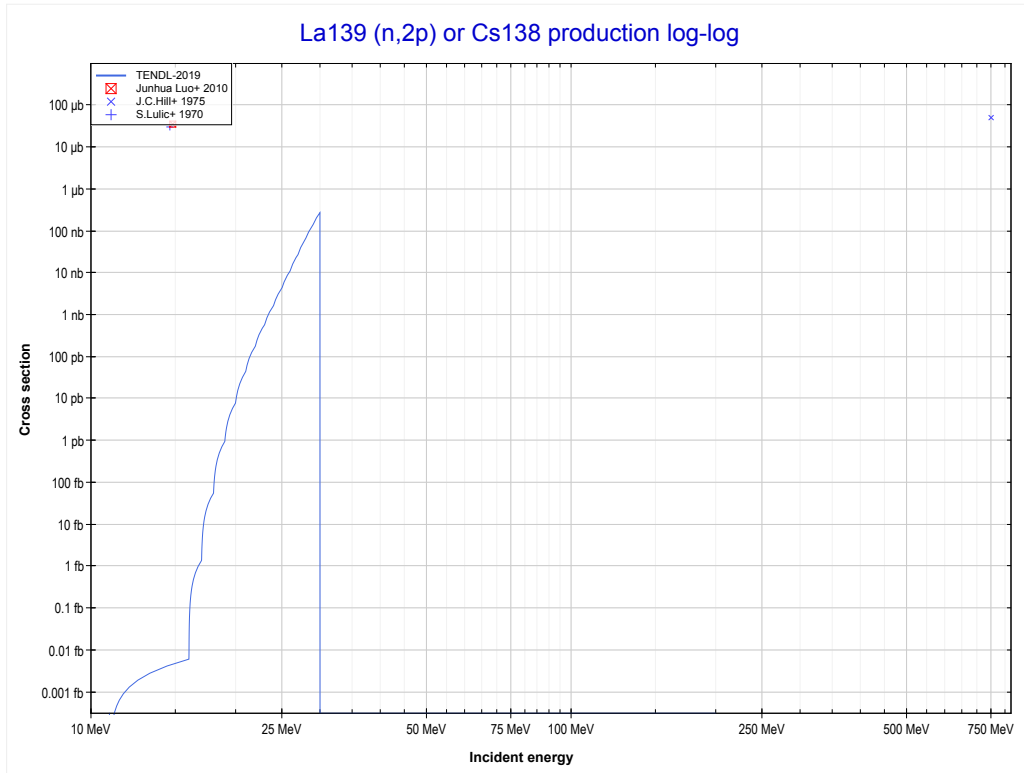
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86209E-13 b | 1.35179E-14 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54074E-11 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54074E-11 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.32482E-11 b | 7.5244E-15 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54074E-11 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.63932E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.81061E-13 b | 2.3191E-14 b |

| | | |
|-------------------------------|--|-----------------|
| << 57-La-138 | 57-La-139 | 58-Ce-140 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Cs136 production) | MT111 (n,2p) >> |



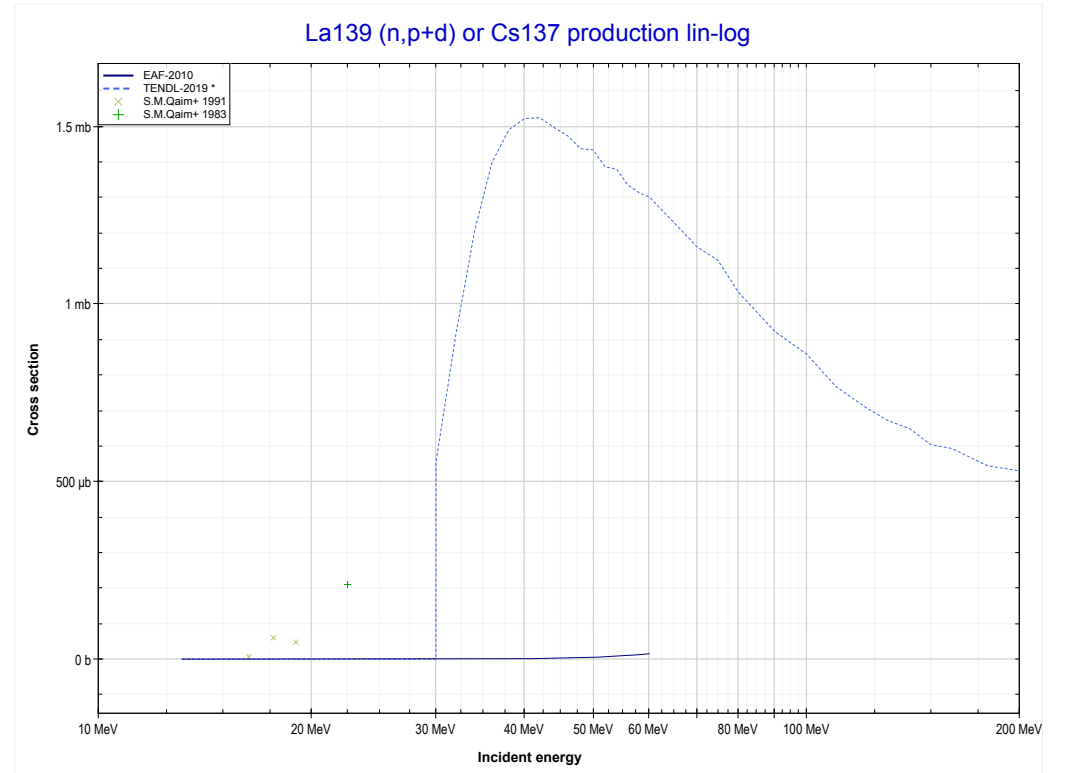
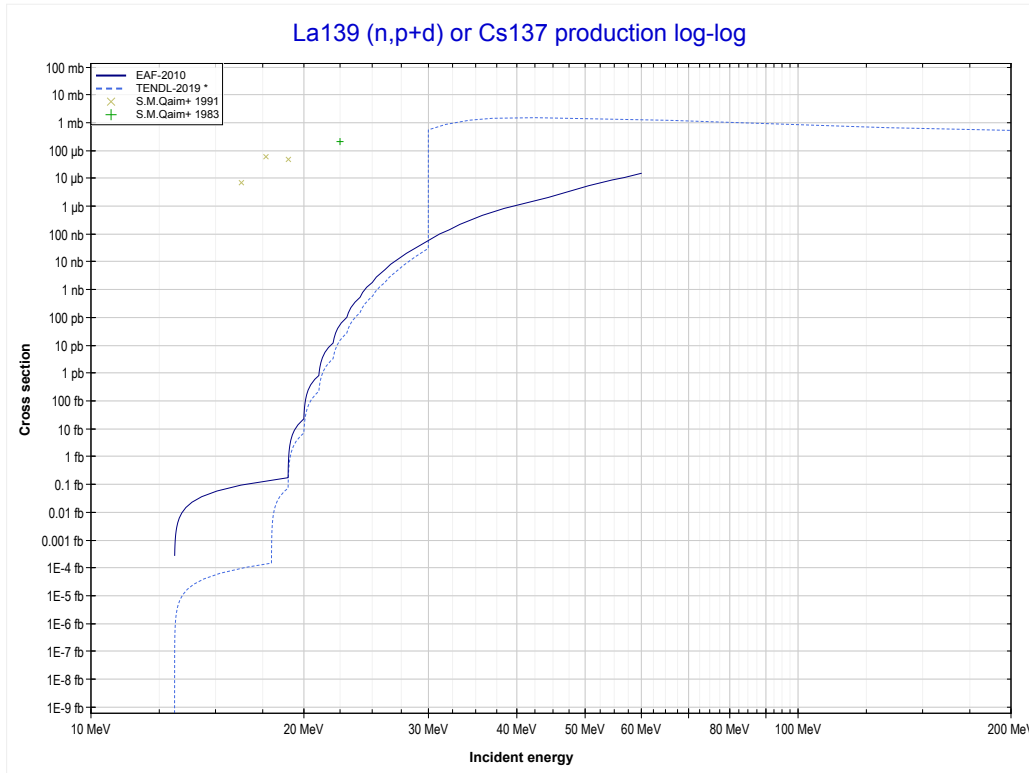
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17809E-6 b | 0.0017017 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17809E-6 b | 0.0017017 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.21739E-30 b | 2.39689E-6 b | 0.00211612 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.17809E-6 b | 0.0017017 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39698E-6 b | 0.00207739 b |
| TENDL-2019 | 3.0034E-12 b | 3.0034E-12 b | 3.0025E-12 b | 0.9997 | 2.30255E-12 b | 3.30296E-6 b | 0.00383132 b |

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|-------------------------|---|------------------|
| << 55-Cs-133 | 57-La-139 | 59-Pr-141 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Cs138 production) | MT115 (n,p+d) >> |



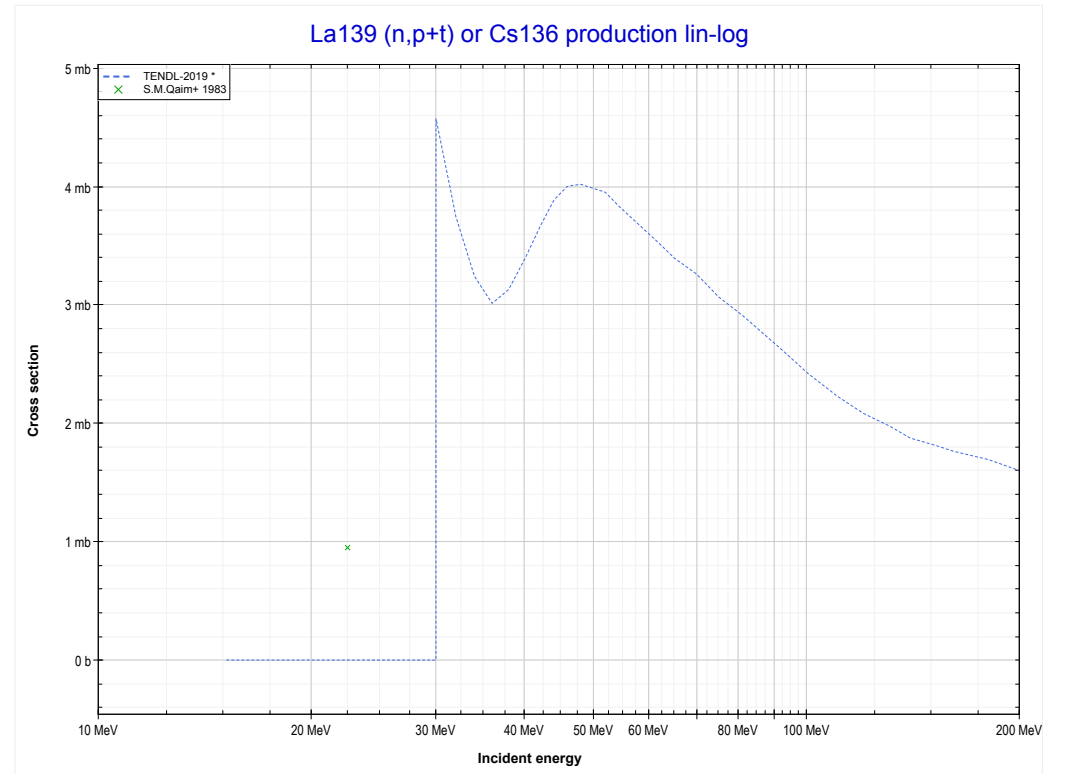
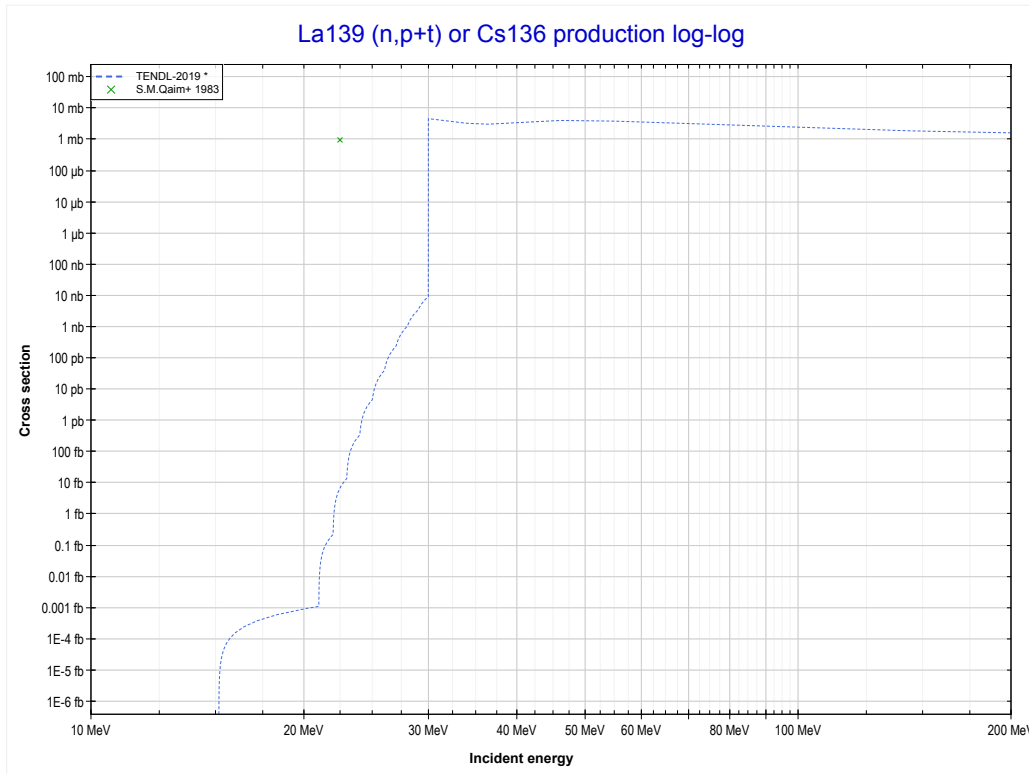
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.51196E-18 b | 3.63117E-18 b |

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|-----------------|--|------------------|
| << 55-Cs-133 | 57-La-139 | 58-Ce-142 >> |
| << MT111 (n,2p) | MT115 (n,p+d) or MT5 (Cs137 production) | MT116 (n,p+t) >> |



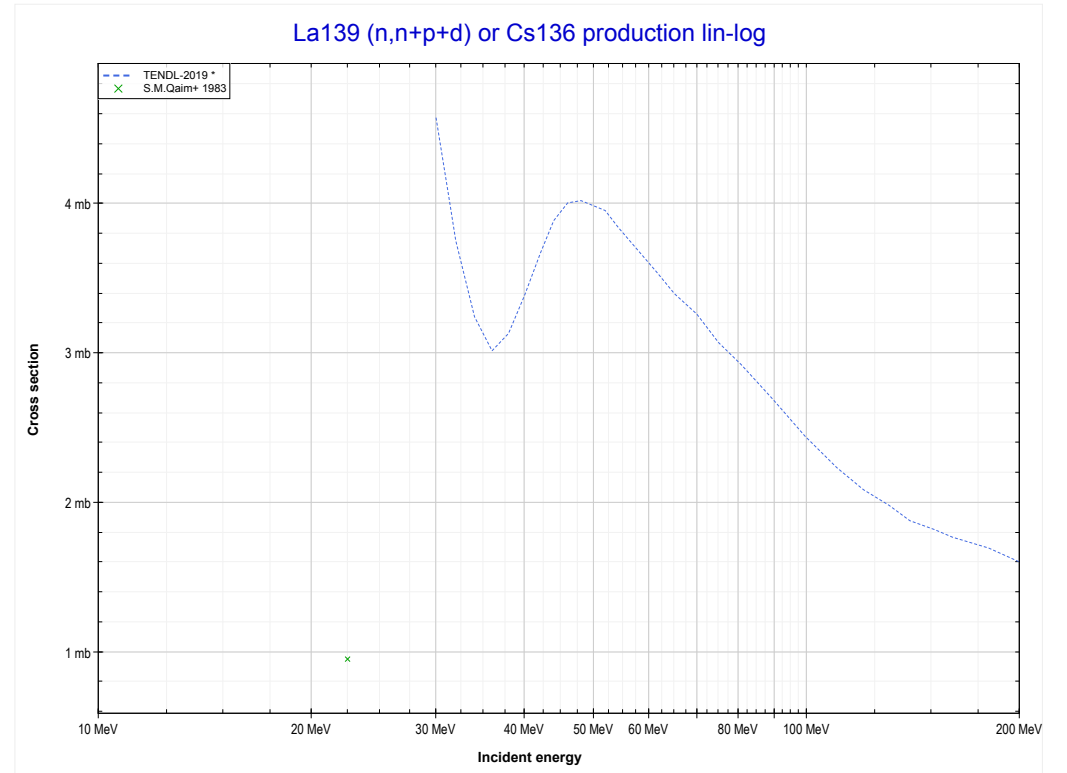
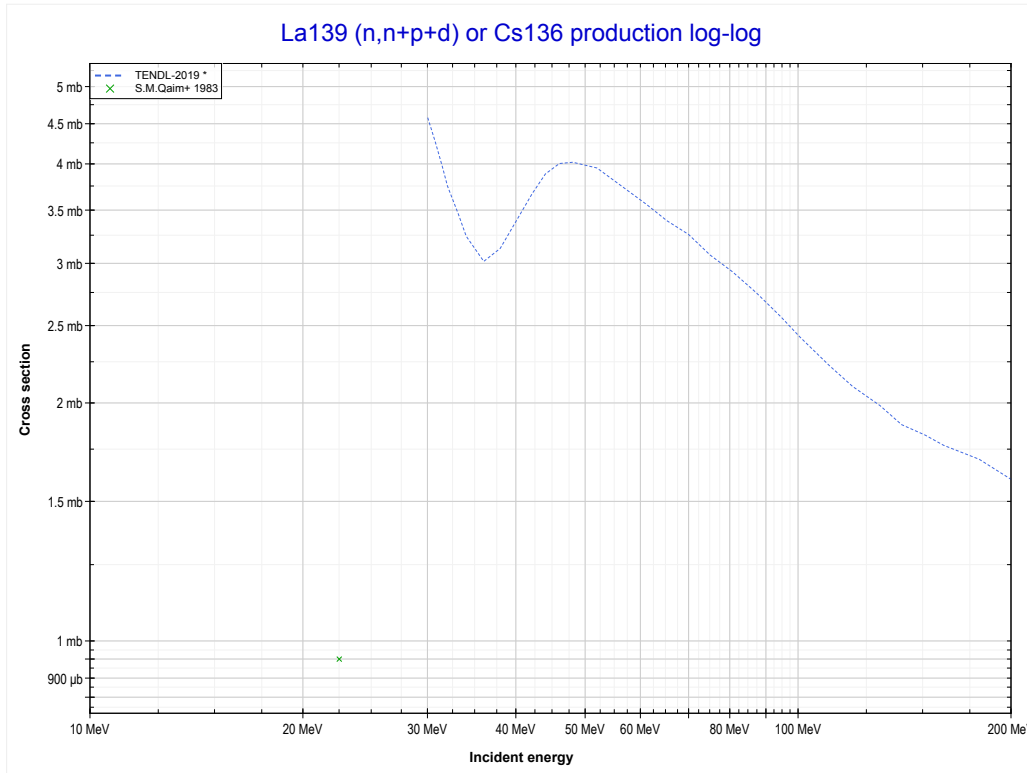
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.50058E-21 b | 2.65048E-20 b |

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|------------------|--|--------------------|
| << 53-I-127 | 57-La-139 | 60-Nd-146 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Cs136 production) | MT183 (n,n+p+d) >> |



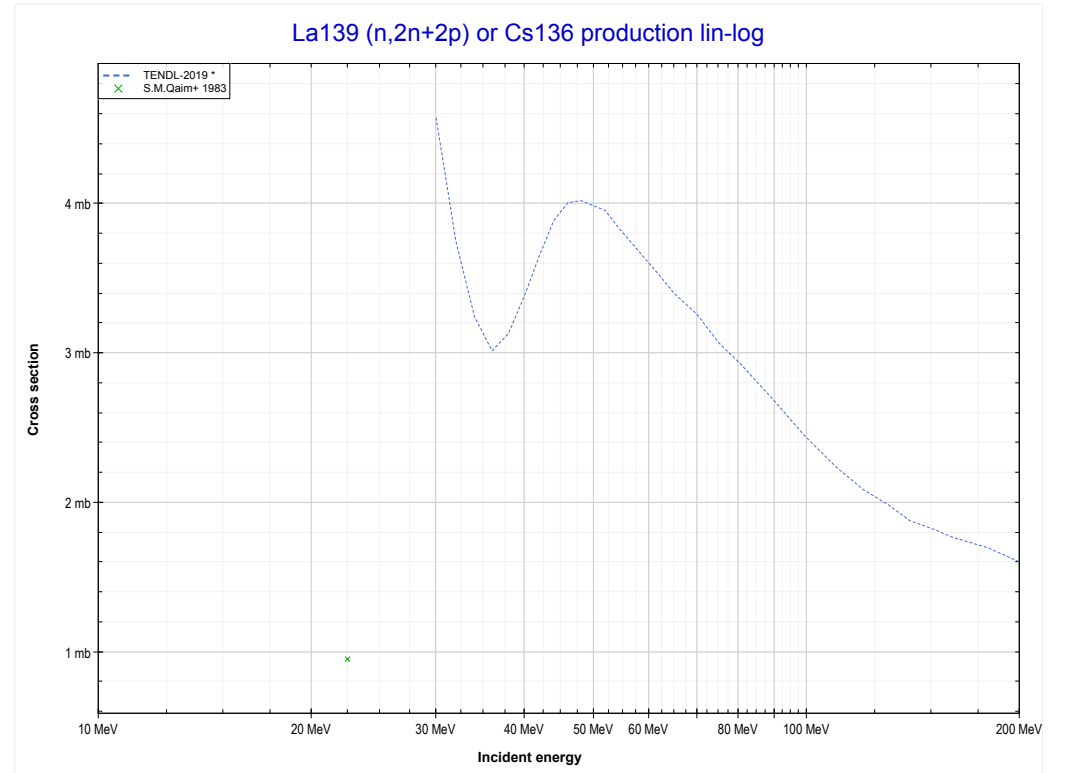
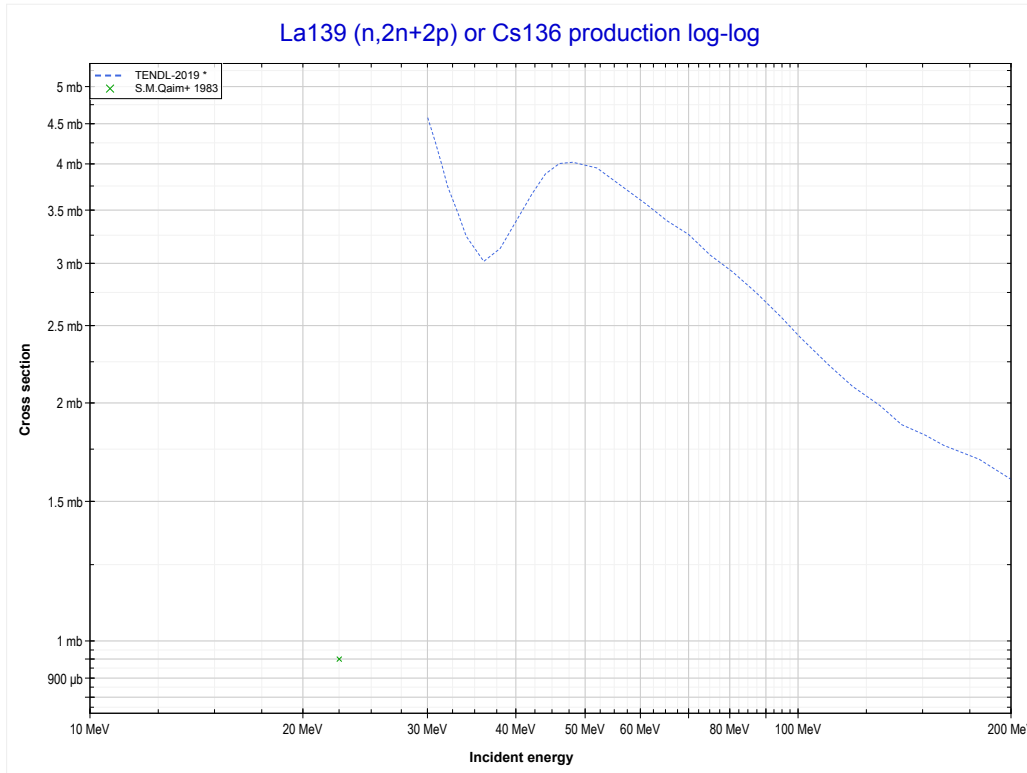
| Reaction | Q-Value |
|--------------------------|---------------|
| La139(n, α)Cs136 | 4758.90 keV |
| La139(n,p+t)Cs136 | -15054.96 keV |
| La139(n,n+He3)Cs136 | -15818.72 keV |
| La139(n,2d)Cs136 | -19087.63 keV |
| La139(n,n+p+d)Cs136 | -21312.19 keV |
| La139(n,2n+2p)Cs136 | -23536.76 keV |

| | | |
|------------------|--|--------------------|
| << 53-I-127 | 57-La-139 | 60-Nd-146 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Cs136 production) | MT190 (n,2n+2p) >> |



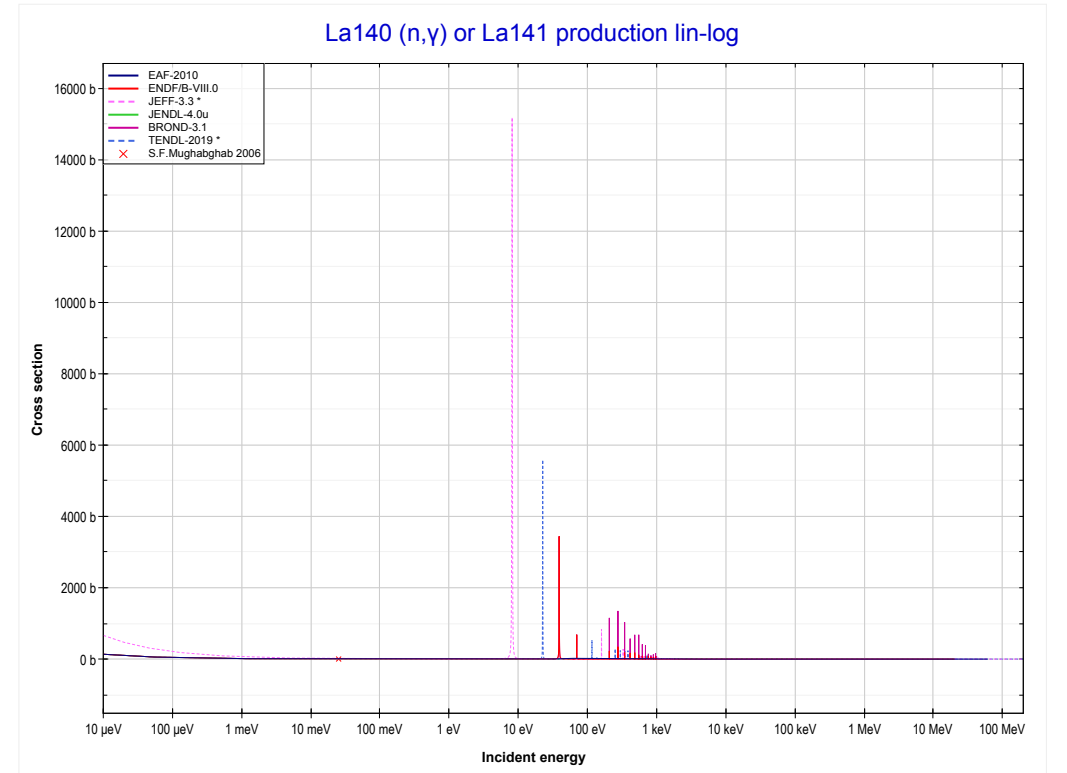
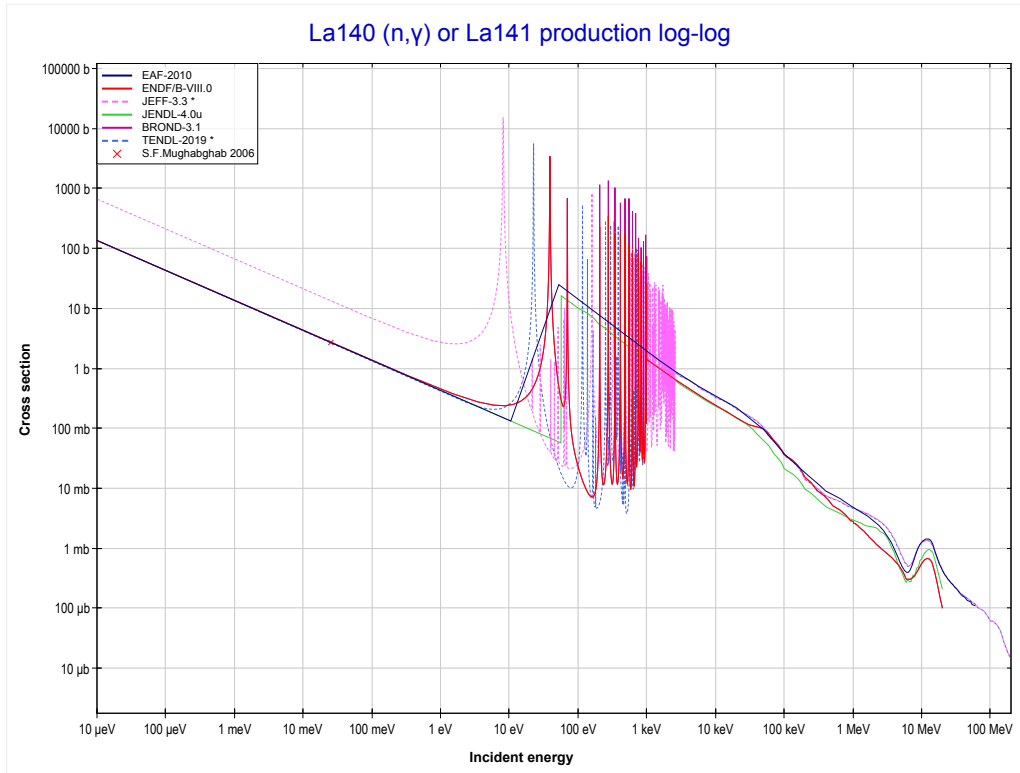
| Reaction | Q-Value |
|---------------------|---------------|
| La139(n,α)Cs136 | 4758.90 keV |
| La139(n,p+t)Cs136 | -15054.96 keV |
| La139(n,n+He3)Cs136 | -15818.72 keV |
| La139(n,2d)Cs136 | -19087.63 keV |
| La139(n,n+p+d)Cs136 | -21312.19 keV |
| La139(n,2n+2p)Cs136 | -23536.76 keV |

| | | |
|--------------------|--|-----------------------------------|
| << 53-I-127 | 57-La-139 | 60-Nd-146 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Cs136 production) | 57-La-140 MT102 (n, γ) >> |



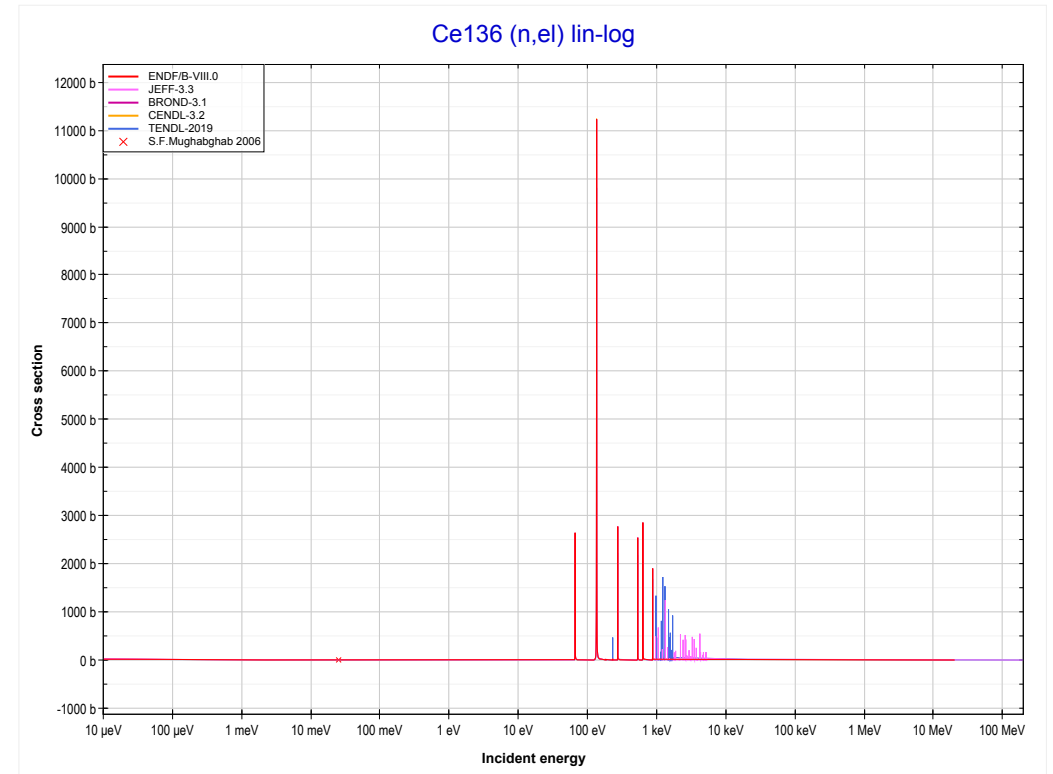
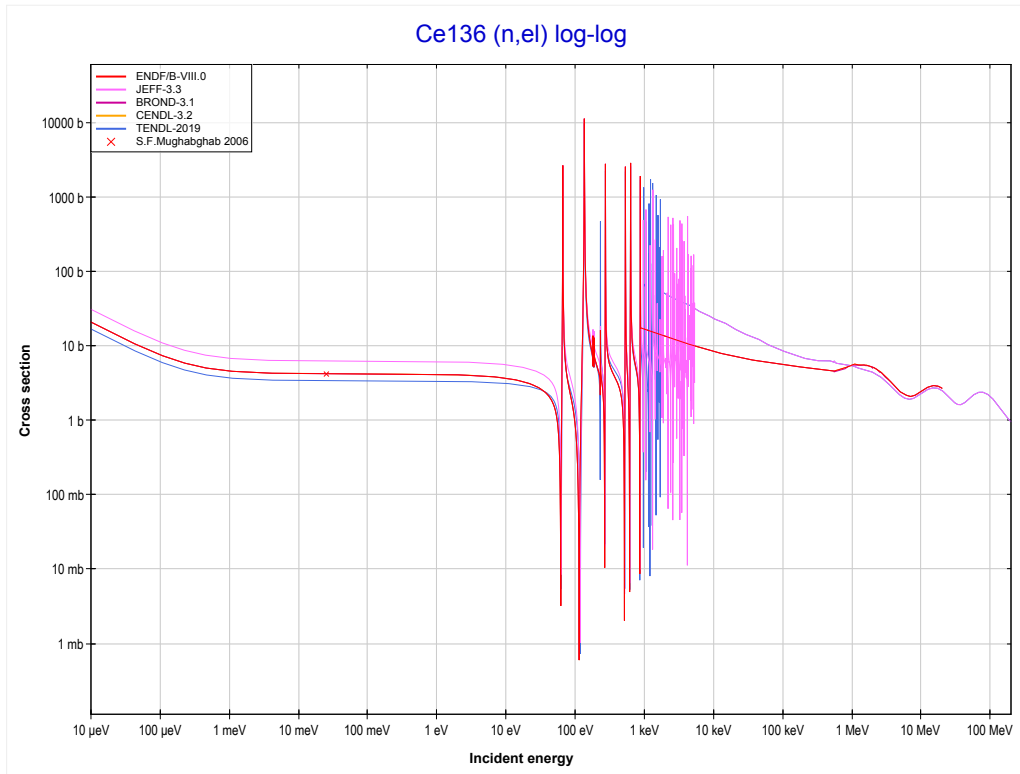
| Reaction | Q-Value |
|--------------------------|---------------|
| La139(n, α)Cs136 | 4758.90 keV |
| La139(n,p+t)Cs136 | -15054.96 keV |
| La139(n,n+He3)Cs136 | -15818.72 keV |
| La139(n,2d)Cs136 | -19087.63 keV |
| La139(n,n+p+d)Cs136 | -21312.19 keV |
| La139(n,2n+2p)Cs136 | -23536.76 keV |

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|------------------------------|--|------------------------------|
| << 57-La-139 | 57-La-140 | 58-Ce-136 >> |
| << 57-La-139 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (La141 production) | 58-Ce-136 MT2 (n,elastic) >> |



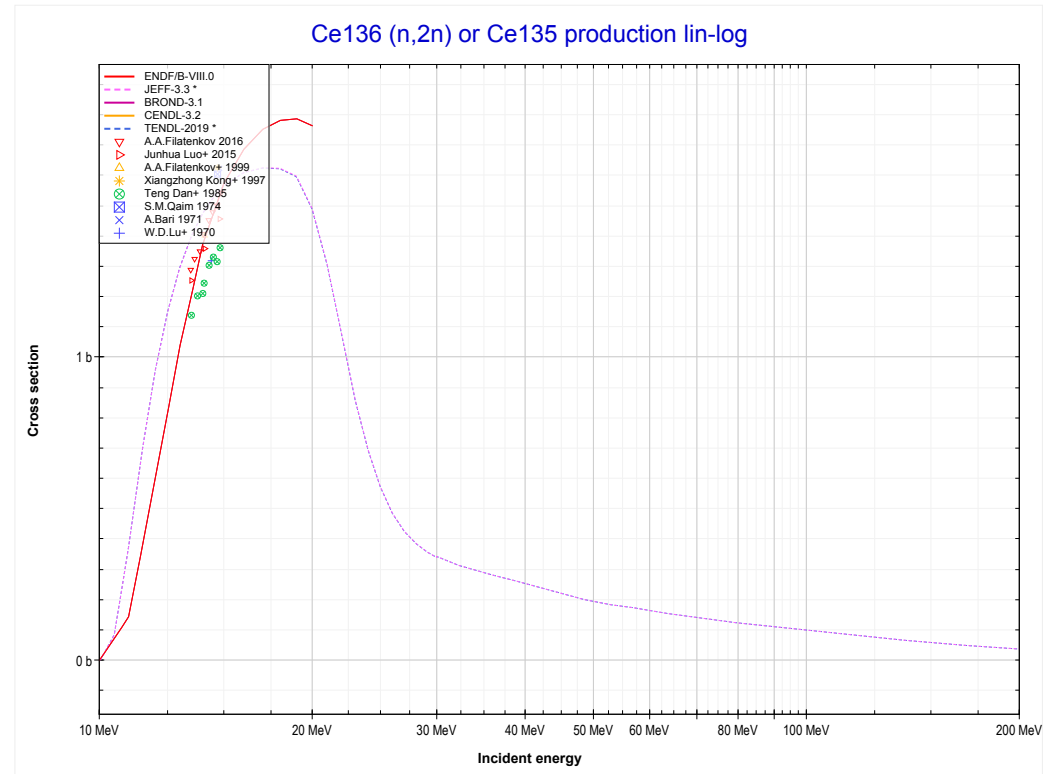
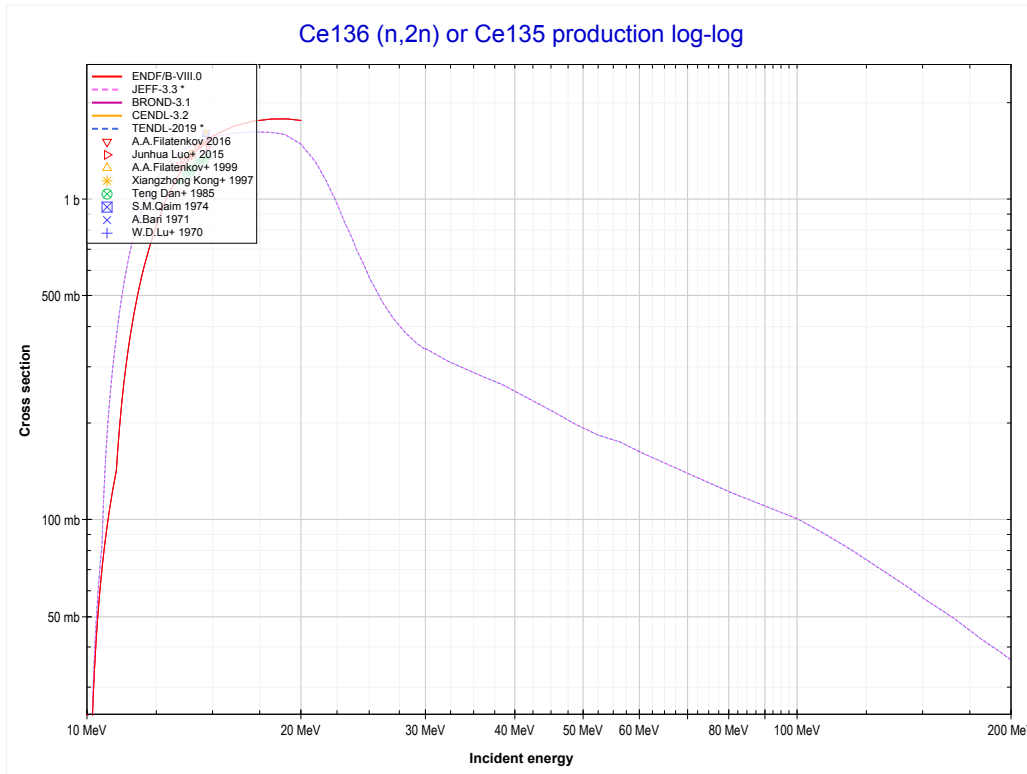
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.7 b | 2.69798 b | 2.6981 b | 1.00004 | 37.4507 b | 0.00609591 b | 0.00126718 b |
| ENDF/B-VIII.0 | 2.70373 b | 2.70373 b | 2.7065 b | 1.00104 | 68.926 b | 0.00438632 b | 5.98173E-4 b |
| JEFF-3.3 | 13.294 b | 13.294 b | 13.34 b | 1.00342 | 449.756 b | 0.00612513 b | 0.00117545 b |
| JENDL-4.0u | 2.70077 b | 2.70077 b | 2.7019 b | 1.00041 | 20.4341 b | 0.00393125 b | 8.942E-4 b |
| BROND-3.1 | 2.70373 b | 2.70373 b | 2.7065 b | 1.00104 | 68.94 b | 0.00438632 b | 5.98173E-4 b |
| TENDL-2019 | 2.68877 b | 2.68877 b | 2.6873 b | 0.99947 | 90.3107 b | 0.0060063 b | 0.00117491 b |

| | | |
|-----------------------------------|------------------------|----------------|
| << 57-La-139 | 58-Ce-136 | 58-Ce-140 >> |
| << 57-La-140 MT102 (n, γ) | MT2 (n,elastic) | MT16 (n,2n) >> |



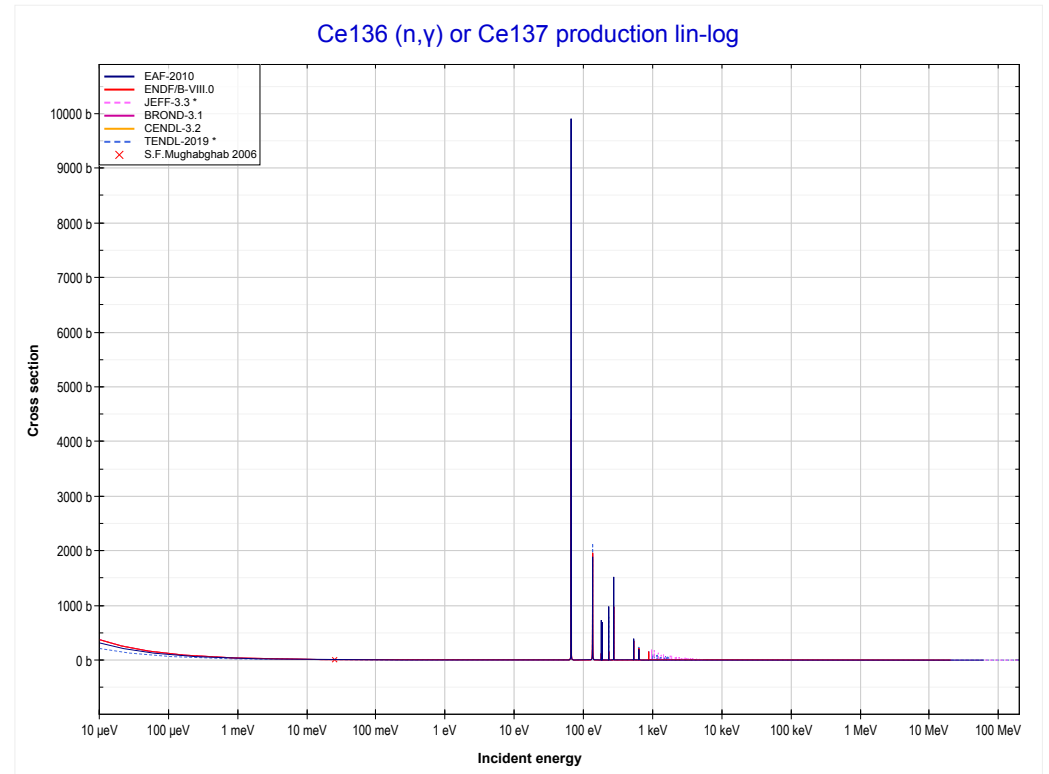
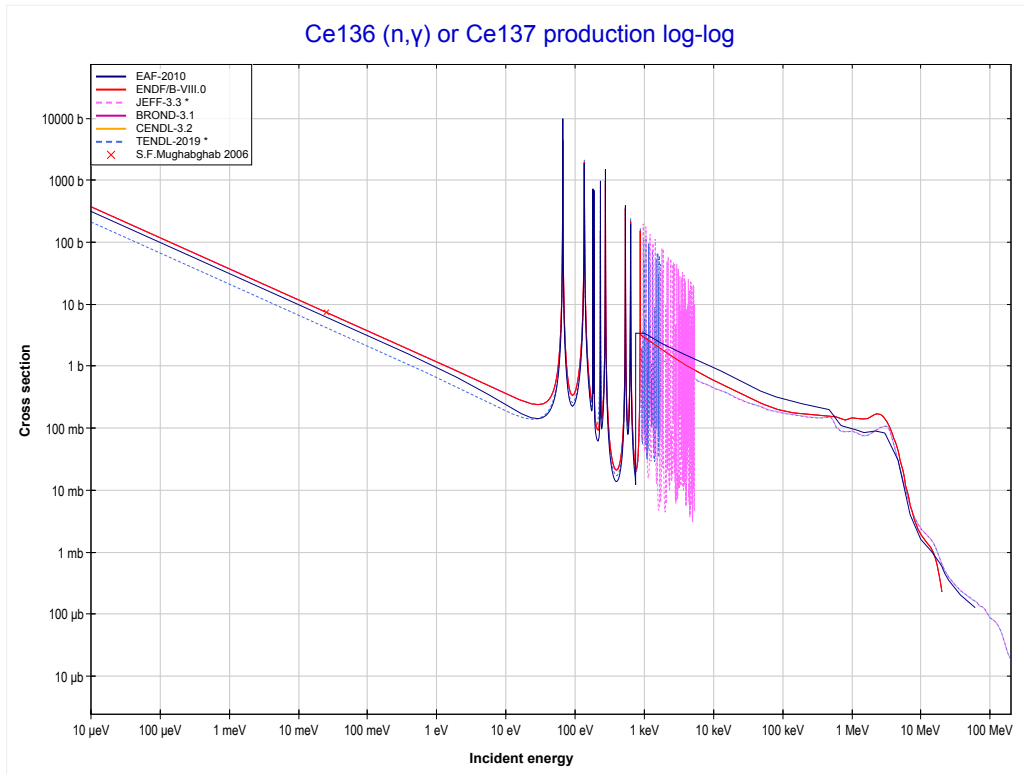
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.1937 b | 4.1937 b | 4.7305 b | 1.12801 | 257.823 b | 4.6387 b | 2.88405 b |
| JEFF-3.3 | 6.22416 b | 6.22416 b | 7.0213 b | 1.12807 | 304.909 b | 4.66099 b | 2.69118 b |
| BROND-3.1 | 4.1937 b | 4.1937 b | 4.7305 b | 1.12801 | 257.823 b | 4.59112 b | 2.88405 b |
| CENDL-3.2 | 4.1937 b | 4.1937 b | 4.7308 b | 1.12807 | 257.743 b | 4.63853 b | 2.88405 b |
| TENDL-2019 | 3.38637 b | 3.38637 b | 3.8205 b | 1.12821 | 297.54 b | 4.66636 b | 2.69118 b |

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|--------------------|--|-------------------------|
| << 56-Ba-138 | 58-Ce-136 | 58-Ce-138 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ce135 production) | MT102 (n, γ) >> |



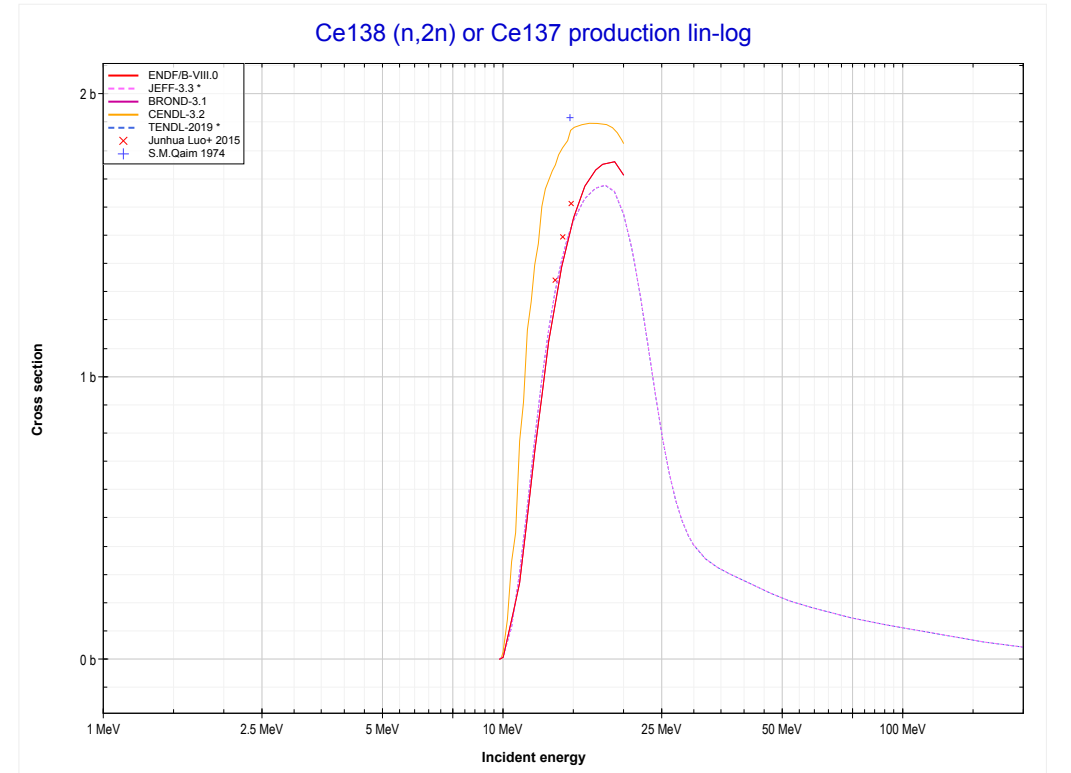
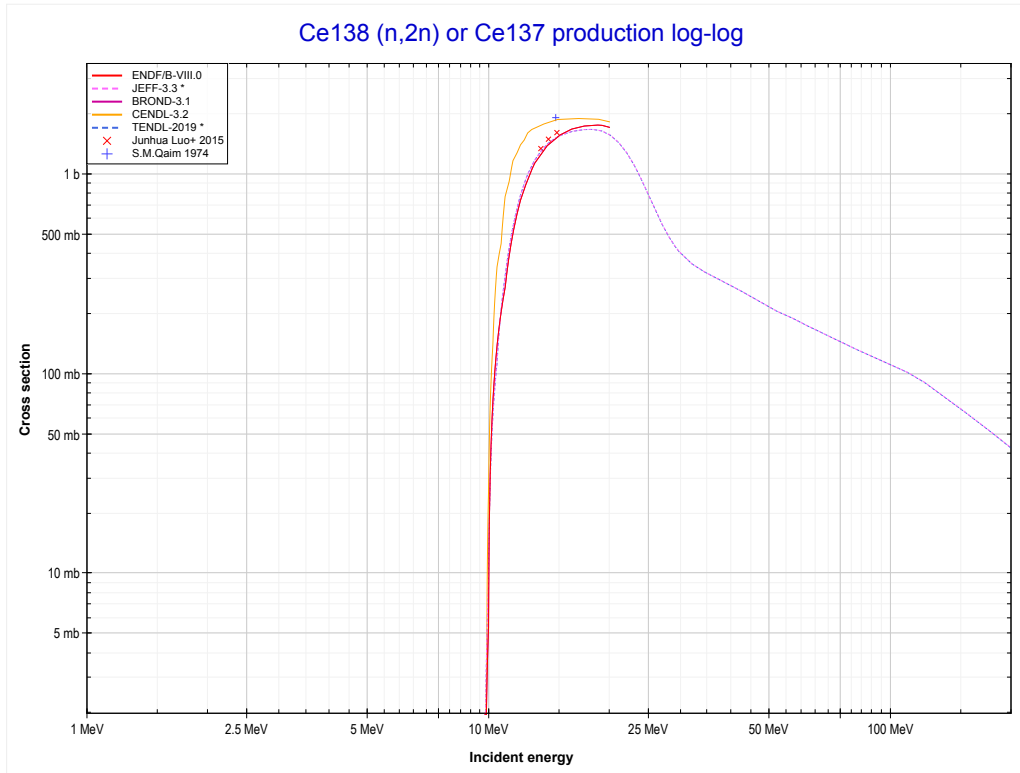
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59139E-4 b | 1.37078 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0010599 b | 1.47331 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59139E-4 b | 1.37078 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59143E-4 b | 1.37078 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00106149 b | 1.47423 b |

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|----------------|--|--------------------------|
| << 57-La-140 | 58-Ce-136 | 58-Ce-138 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ce137 production) | 58-Ce-138 MT16 (n,2n) >> |



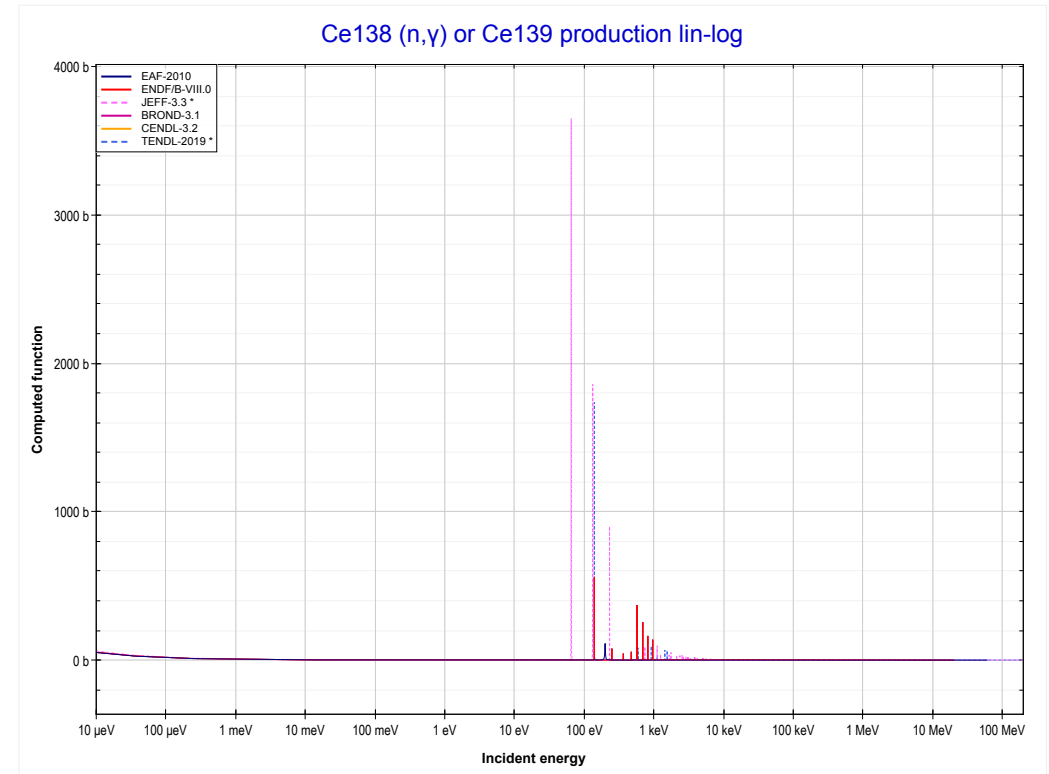
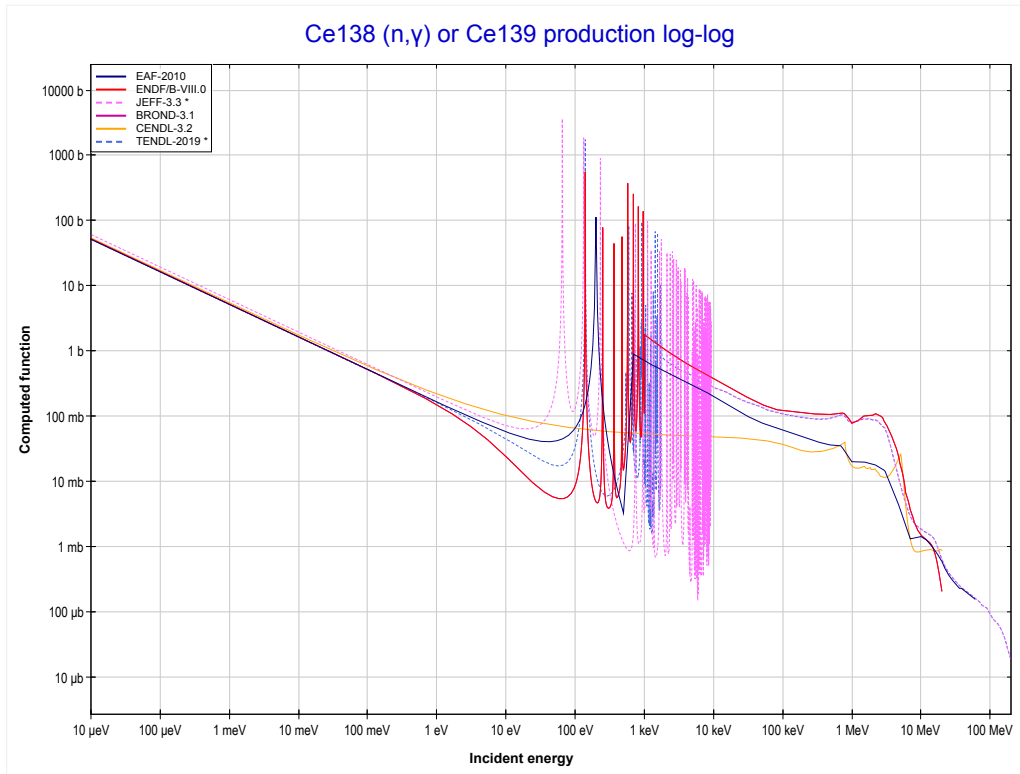
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.2678 b | 6.26309 b | 6.2598 b | 0.99947 | 64.0757 b | 0.105282 b | 0.00105 b |
| ENDF/B-VIII.0 | 7.45733 b | 7.45733 b | 7.4596 b | 1.00031 | 76.6472 b | 0.13587 b | 0.00116857 b |
| JEFF-3.3 | 7.51047 b | 7.51047 b | 7.5123 b | 1.00024 | 76.1138 b | 0.0931271 b | 0.00160022 b |
| BROND-3.1 | 7.45733 b | 7.45733 b | 7.4596 b | 1.00031 | 76.6472 b | 0.13587 b | 0.00116857 b |
| CENDL-3.2 | 7.45547 b | 7.45547 b | 7.4551 b | 0.99996 | 76.6058 b | 0.135855 b | 0.00116857 b |
| TENDL-2019 | 4.23429 b | 4.23429 b | 4.2332 b | 0.99975 | 71.0734 b | 0.0918144 b | 0.00159423 b |

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|-----------------------------------|--|-------------------------|
| << 58-Ce-136 | 58-Ce-138 | 58-Ce-140 >> |
| << 58-Ce-136 MT102 (n, γ) | MT16 (n,2n) or MT5 (Ce137 production) | MT102 (n, γ) >> |



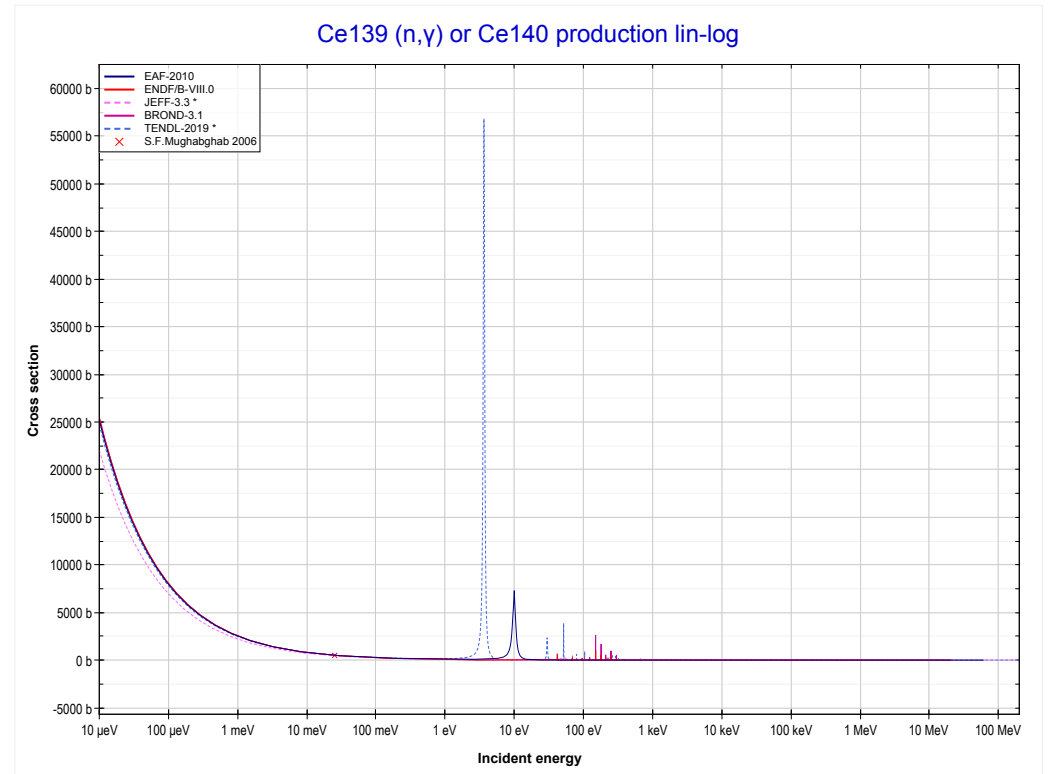
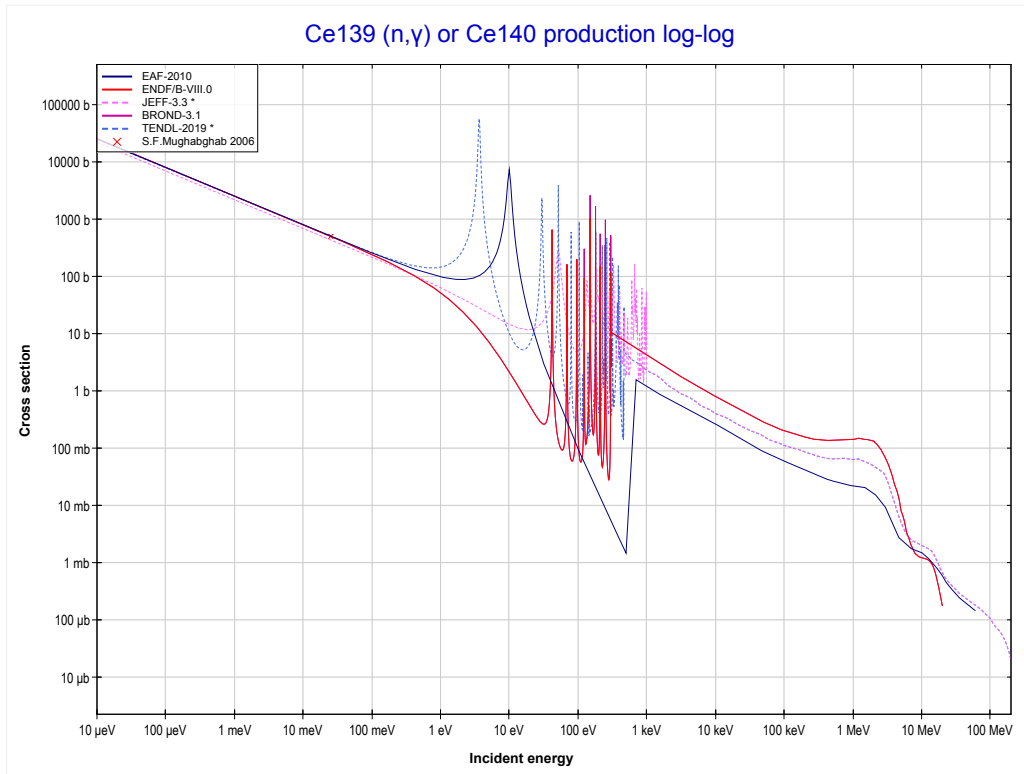
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.18355E-4 b | 1.38598 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.514E-4 b | 1.40977 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.18355E-4 b | 1.38598 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00163996 b | 1.8037 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.51211E-4 b | 1.41031 b |

| | | |
|----------------|--|-----------------------------------|
| << 58-Ce-136 | 58-Ce-138 | 58-Ce-139 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ce139 production) | 58-Ce-139 MT102 (n, γ) >> |



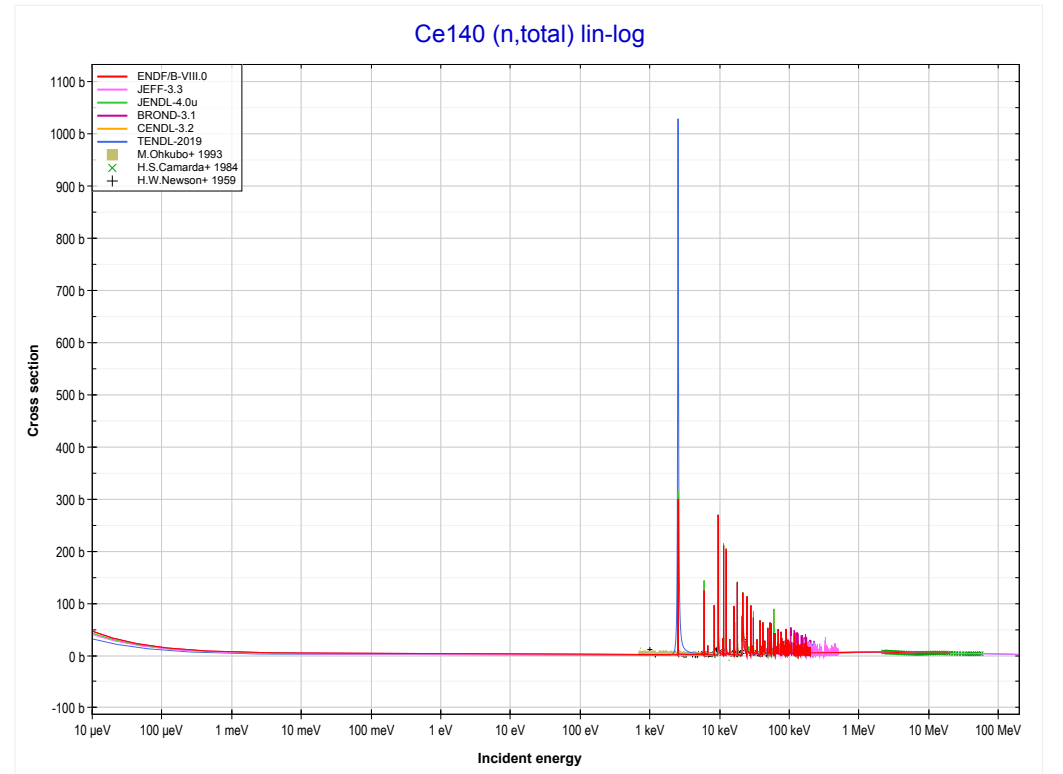
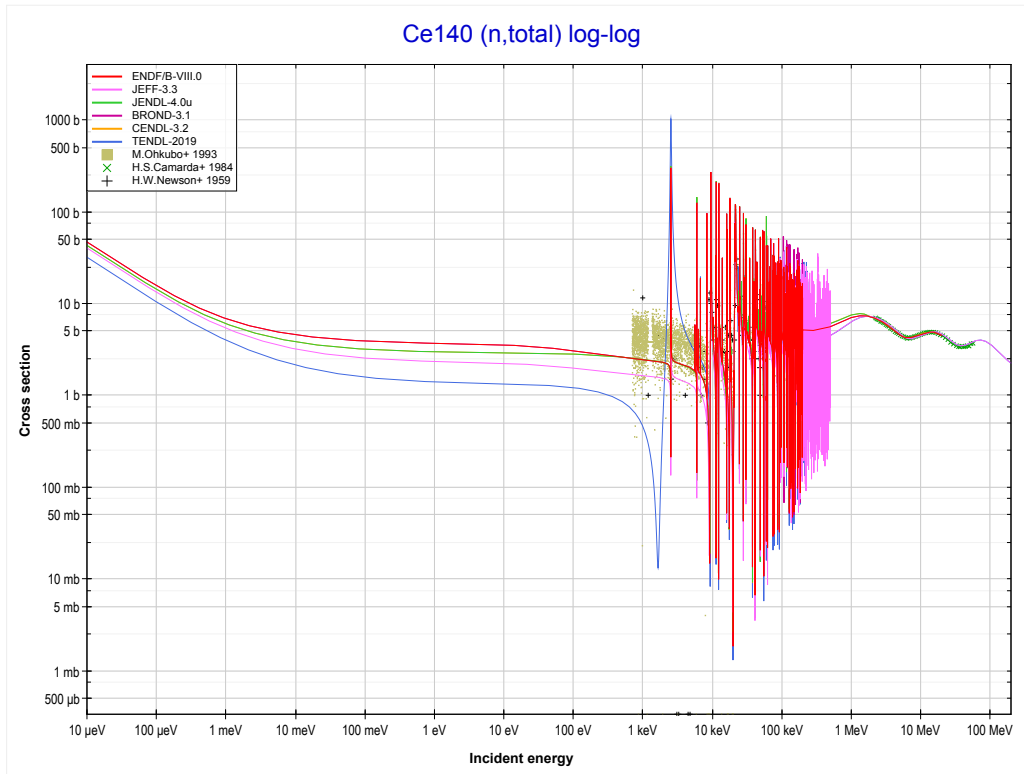
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.01828 b | 1.01752 b | 1.0177 b | 1.00015 | 5.77934 b | 0.0217463 b | 0.00104 b |
| ENDF/B-VIII.0 | 1.03702 b | 1.03702 b | 1.036 b | 0.999 | 9.12363 b | 0.0871654 b | 0.00107557 b |
| JEFF-3.3 | 1.20896 b | 1.20896 b | 1.2096 b | 1.0005 | 48.0883 b | 0.0756303 b | 0.00146792 b |
| BROND-3.1 | 1.03702 b | 1.03702 b | 1.036 b | 0.999 | 9.12363 b | 0.0871654 b | 0.00107557 b |
| CENDL-3.2 | 1.11525 b | 1.11525 b | 1.1216 b | 1.00566 | 1.05011 b | 0.0193125 b | 8.9026E-4 b |
| TENDL-2019 | 1.02569 b | 1.02569 b | 1.0255 b | 0.99983 | 12.6043 b | 0.0745143 b | 0.00146445 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 58-Ce-138 | 58-Ce-139 | 58-Ce-140 >> |
| << 58-Ce-138 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ce140 production) | 58-Ce-140 MT1 (n,total) >> |



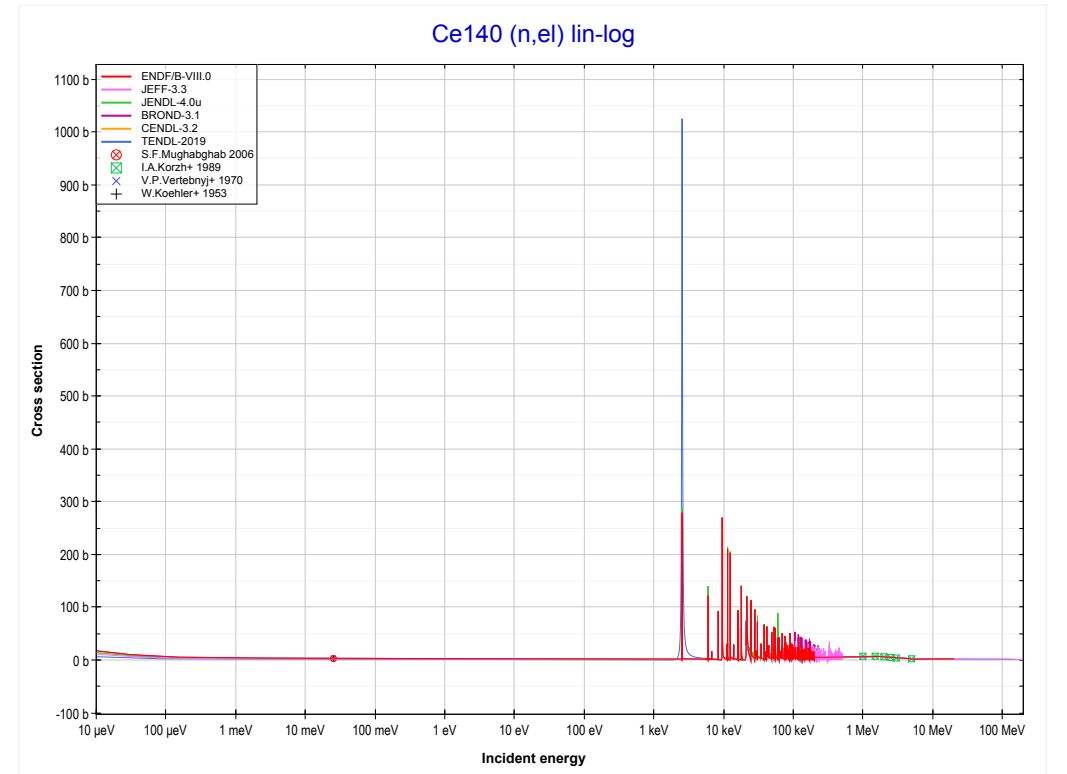
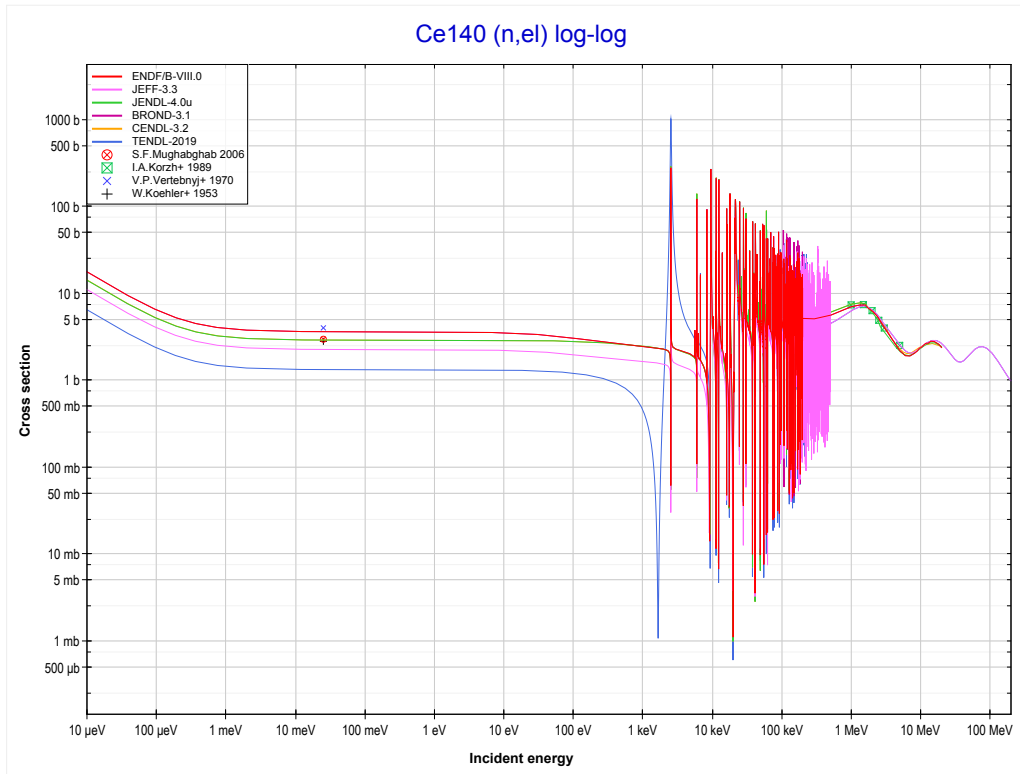
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 502.747 b | 502.373 b | 503.88 b | 1.00301 | 1511.49 b | 0.0191357 b | 0.00104 b |
| ENDF/B-VIII.0 | 500.068 b | 500.068 b | 497.29 b | 0.99443 | 127.347 b | 0.113295 b | 9.78517E-4 b |
| JEFF-3.3 | 436.577 b | 436.577 b | 436.25 b | 0.99925 | 276.489 b | 0.0514566 b | 0.00161943 b |
| BROND-3.1 | 500.068 b | 500.068 b | 497.29 b | 0.99443 | 127.347 b | 0.113295 b | 9.78517E-4 b |
| TENDL-2019 | 497.258 b | 497.258 b | 500.7 b | 1.00692 | 5305.65 b | 0.0508304 b | 0.00161804 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 57-La-139 | 58-Ce-140 | 58-Ce-142 >> |
| << 58-Ce-139 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



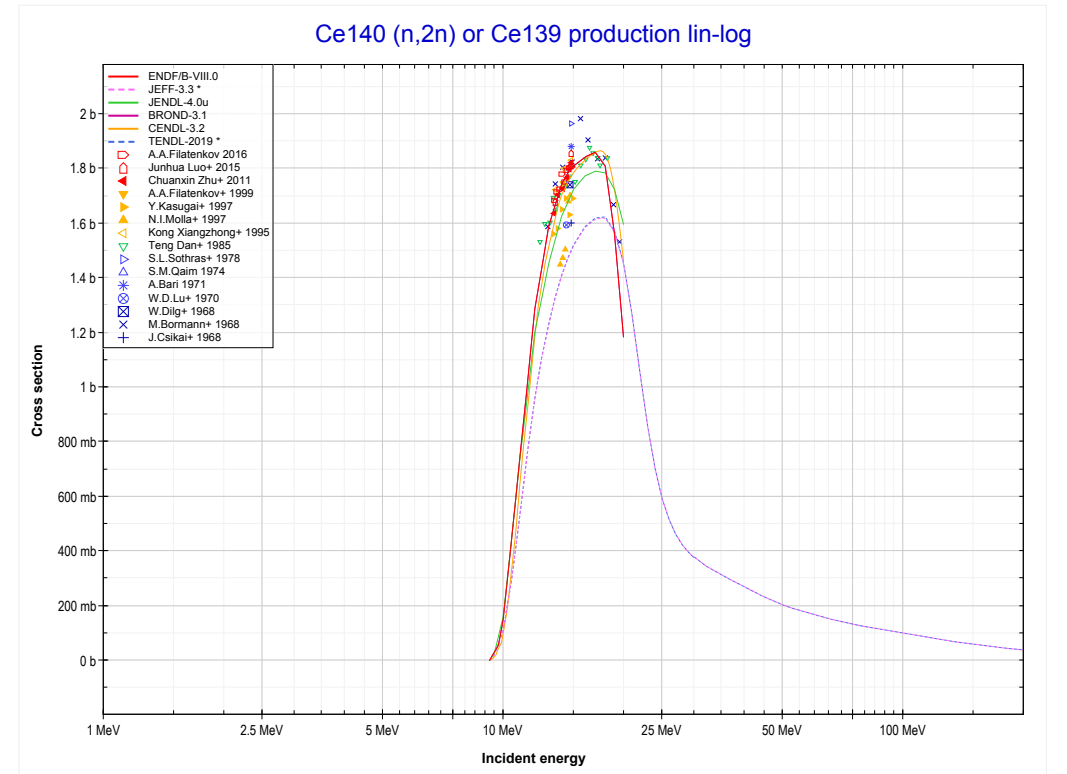
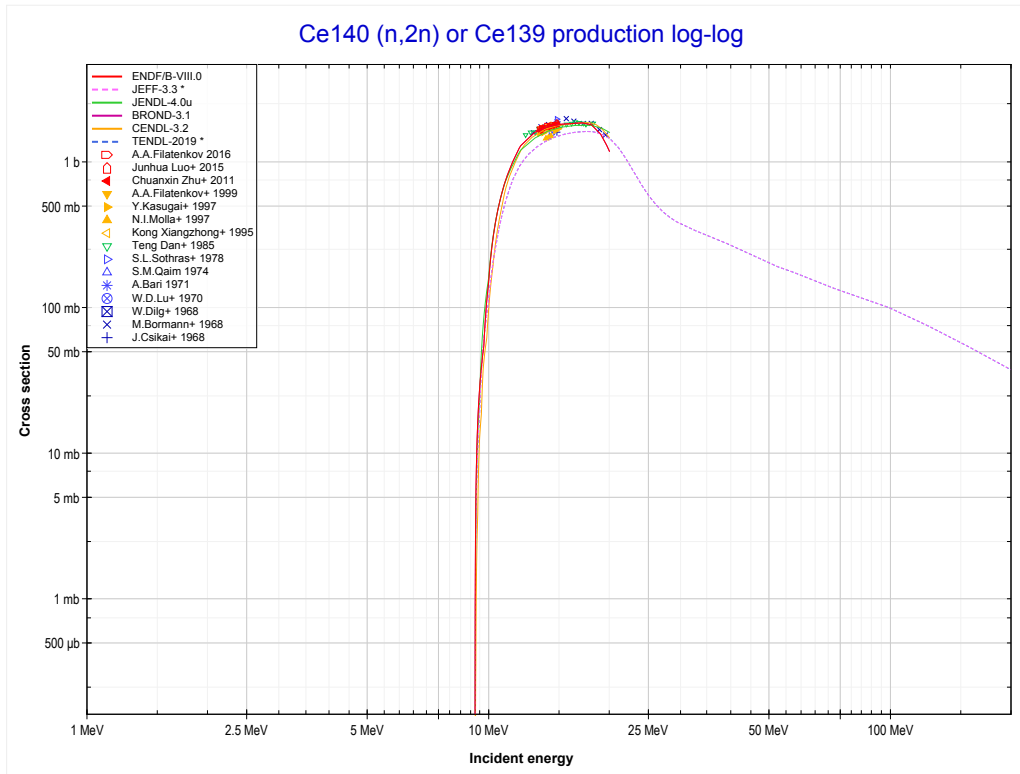
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.19314 b | 4.19314 b | 4.6572 b | 1.11066 | 49.1646 b | 6.24223 b | 4.89614 b |
| JEFF-3.3 | 2.8359 b | 2.8359 b | 3.1257 b | 1.10218 | 36.5597 b | 5.93307 b | 4.86845 b |
| JENDL-4.0u | 3.46407 b | 3.46407 b | 3.8358 b | 1.1073 | 46.7714 b | 6.42457 b | 4.92012 b |
| BROND-3.1 | 4.19314 b | 4.19314 b | 4.6572 b | 1.11066 | 49.1646 b | 6.24218 b | 4.89614 b |
| CENDL-3.2 | 3.46619 b | 3.46619 b | 3.8376 b | 1.10717 | 46.783 b | 6.46981 b | 4.87594 b |
| TENDL-2019 | 1.82888 b | 1.82888 b | 1.9988 b | 1.09292 | 81.2892 b | 5.96799 b | 4.86844 b |

| | | |
|------------------|------------------------|----------------|
| << 58-Ce-136 | 58-Ce-140 | 58-Ce-142 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



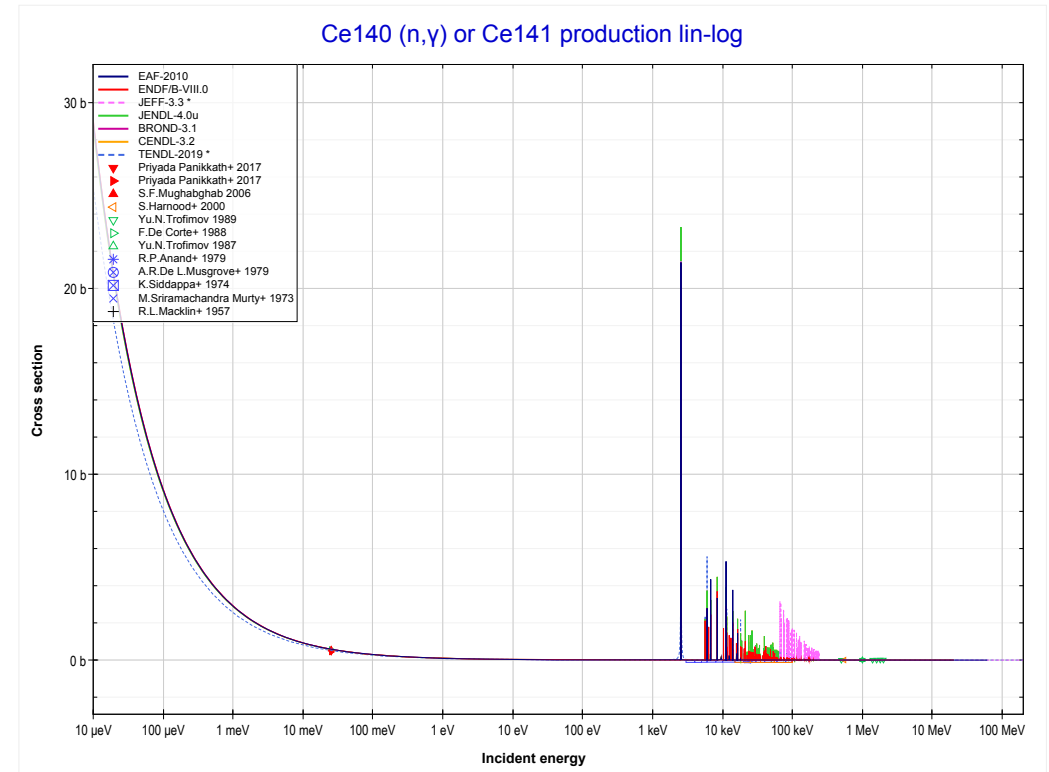
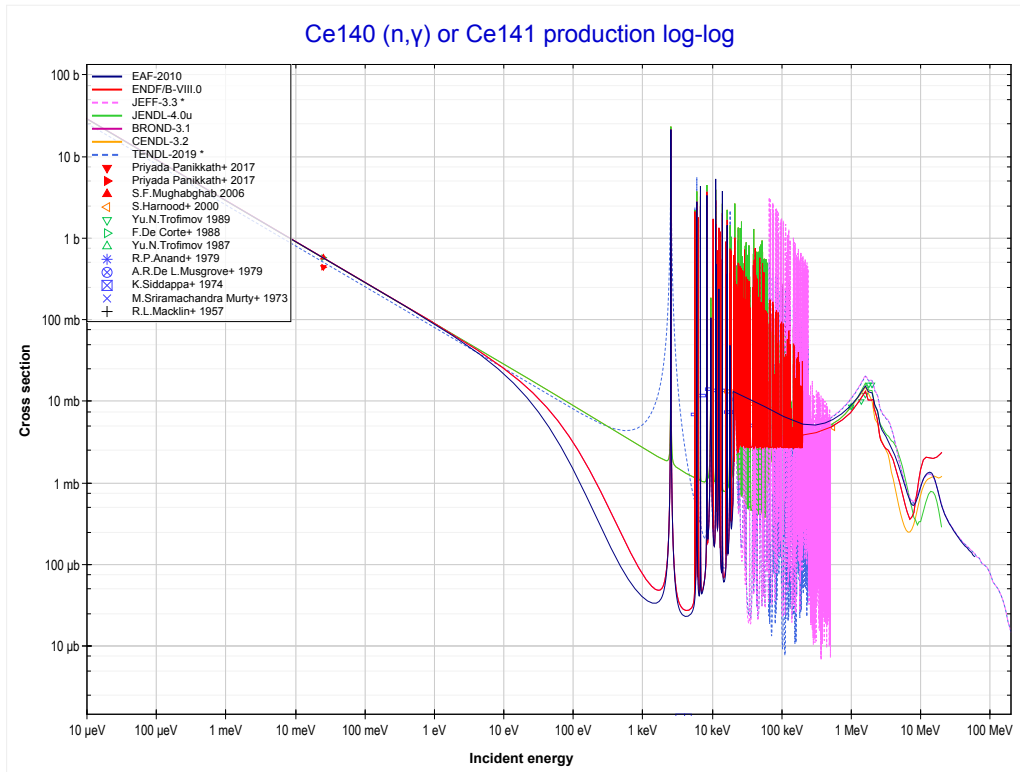
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.61566 b | 3.61566 b | 4.0795 b | 1.1283 | 48.8836 b | 5.43894 b | 2.80903 b |
| JEFF-3.3 | 2.25733 b | 2.25733 b | 2.547 b | 1.12831 | 36.284 b | 5.18331 b | 2.83059 b |
| JENDL-4.0u | 2.89375 b | 2.89375 b | 3.2652 b | 1.12837 | 46.4521 b | 5.51028 b | 2.696 b |
| BROND-3.1 | 3.61566 b | 3.61566 b | 4.0795 b | 1.1283 | 48.8836 b | 5.43889 b | 2.80903 b |
| CENDL-3.2 | 2.89602 b | 2.89602 b | 3.2674 b | 1.12822 | 46.4609 b | 5.67041 b | 2.61969 b |
| TENDL-2019 | 1.32309 b | 1.32309 b | 1.493 b | 1.12842 | 80.8091 b | 5.21746 b | 2.83059 b |

| | | |
|--------------------|--|-------------------------|
| << 58-Ce-138 | 58-Ce-140 | 58-Ce-142 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ce139 production) | MT102 (n, γ) >> |



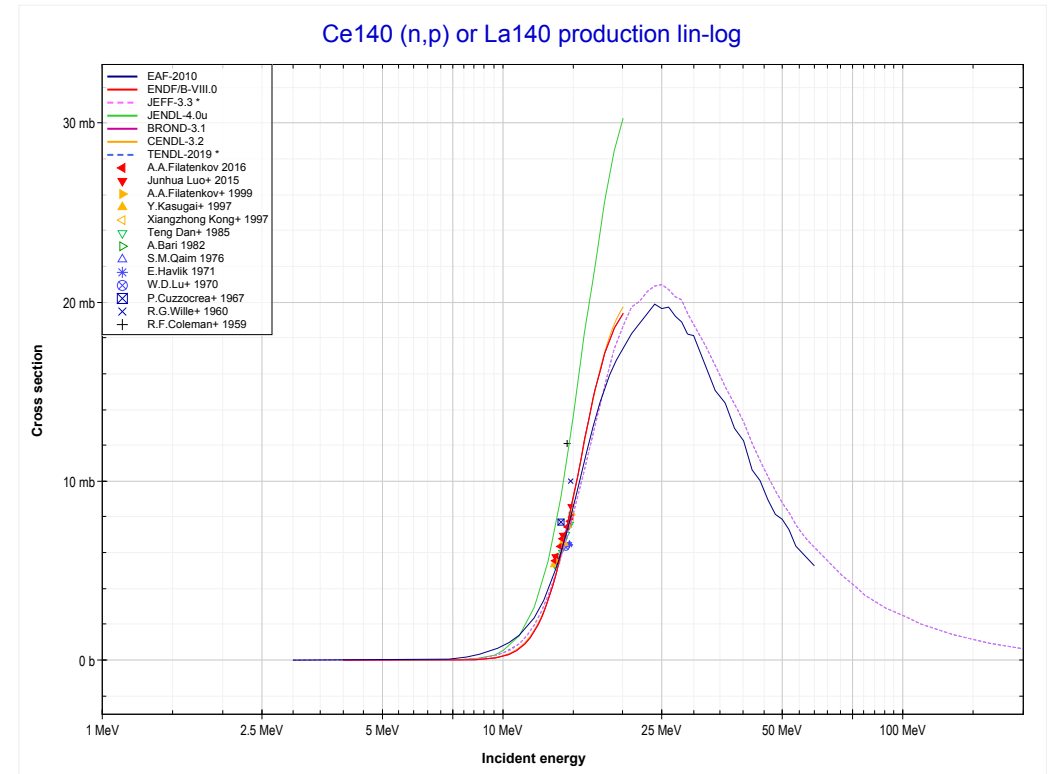
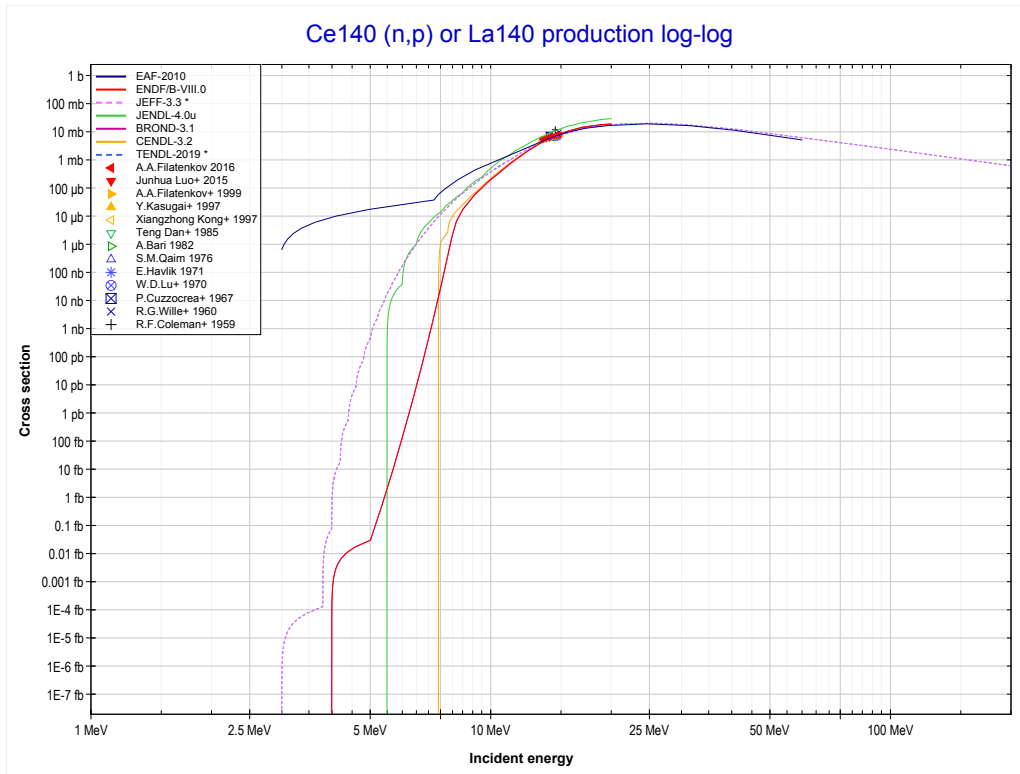
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00171964 b | 1.74152 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00129824 b | 1.40446 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00166239 b | 1.624 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00171964 b | 1.74152 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00151884 b | 1.702 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00130261 b | 1.4076 b |

| | | |
|----------------|--|----------------|
| << 58-Ce-139 | 58-Ce-140 | 58-Ce-141 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ce141 production) | MT103 (n,p) >> |



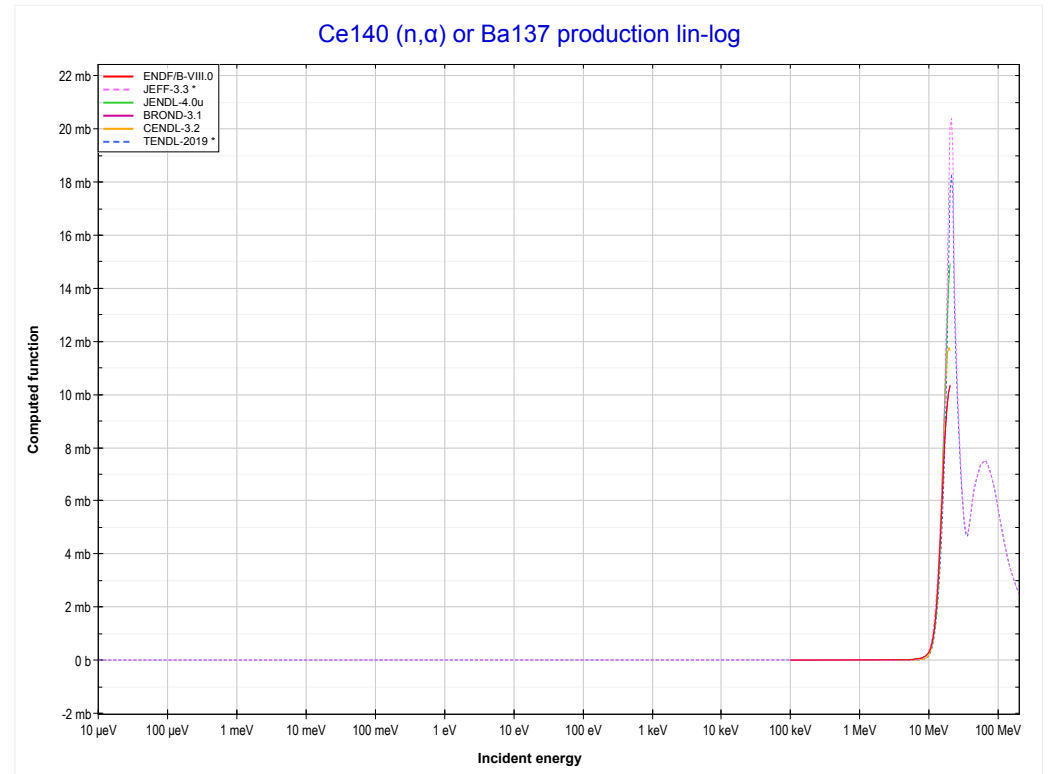
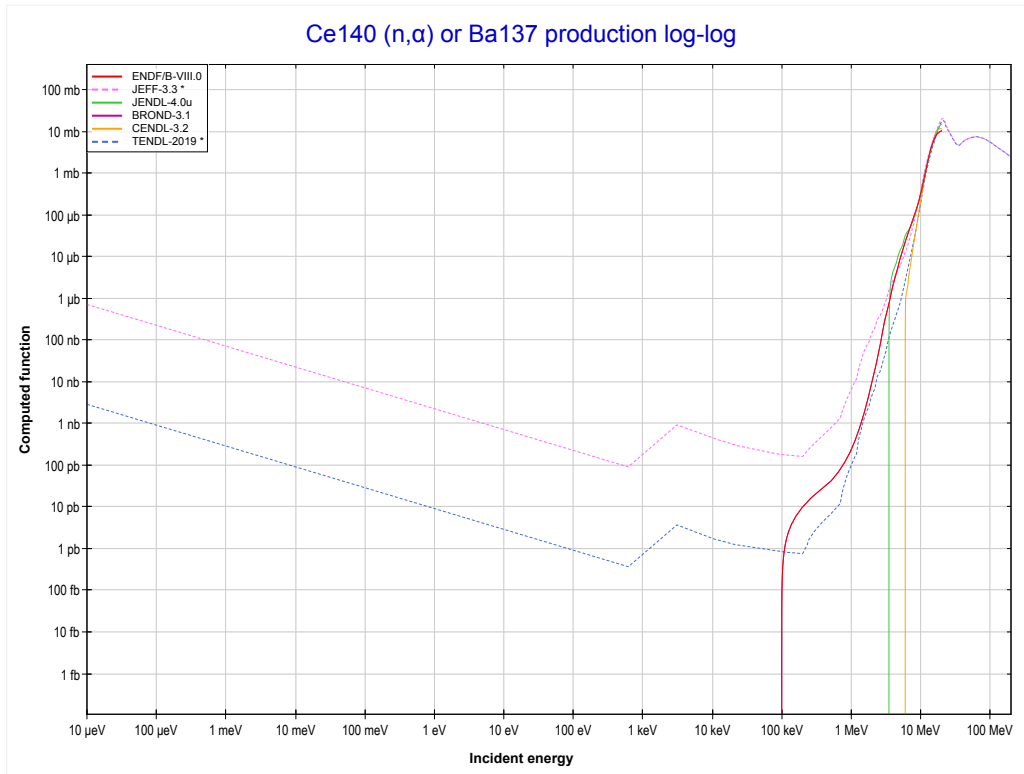
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.57504 b | 0.574609 b | 0.57426 b | 0.99939 | 0.265712 b | 0.00743824 b | 0.00134386 b |
| ENDF/B-VIII.0 | 0.57748 b | 0.57748 b | 0.57762 b | 1.00025 | 0.280947 b | 0.0060452 b | 0.00200146 b |
| JEFF-3.3 | 0.578572 b | 0.578572 b | 0.5787 b | 1.00022 | 0.275705 b | 0.00952901 b | 0.00128542 b |
| JENDL-4.0u | 0.570318 b | 0.570318 b | 0.57055 b | 1.0004 | 0.319317 b | 0.00747393 b | 7.883E-4 b |
| BROND-3.1 | 0.57748 b | 0.57748 b | 0.57762 b | 1.00025 | 0.280947 b | 0.00604517 b | 0.00200146 b |
| CENDL-3.2 | 0.570176 b | 0.570176 b | 0.57021 b | 1.00005 | 0.318829 b | 0.00645635 b | 0.00115839 b |
| TENDL-2019 | 0.505789 b | 0.505789 b | 0.50582 b | 1.00006 | 0.480375 b | 0.0095157 b | 0.00128391 b |

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|-------------------------|--|-------------------------|
| << 57-La-139 | 58-Ce-140 | 58-Ce-142 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (La140 production) | MT107 (n, α) >> |



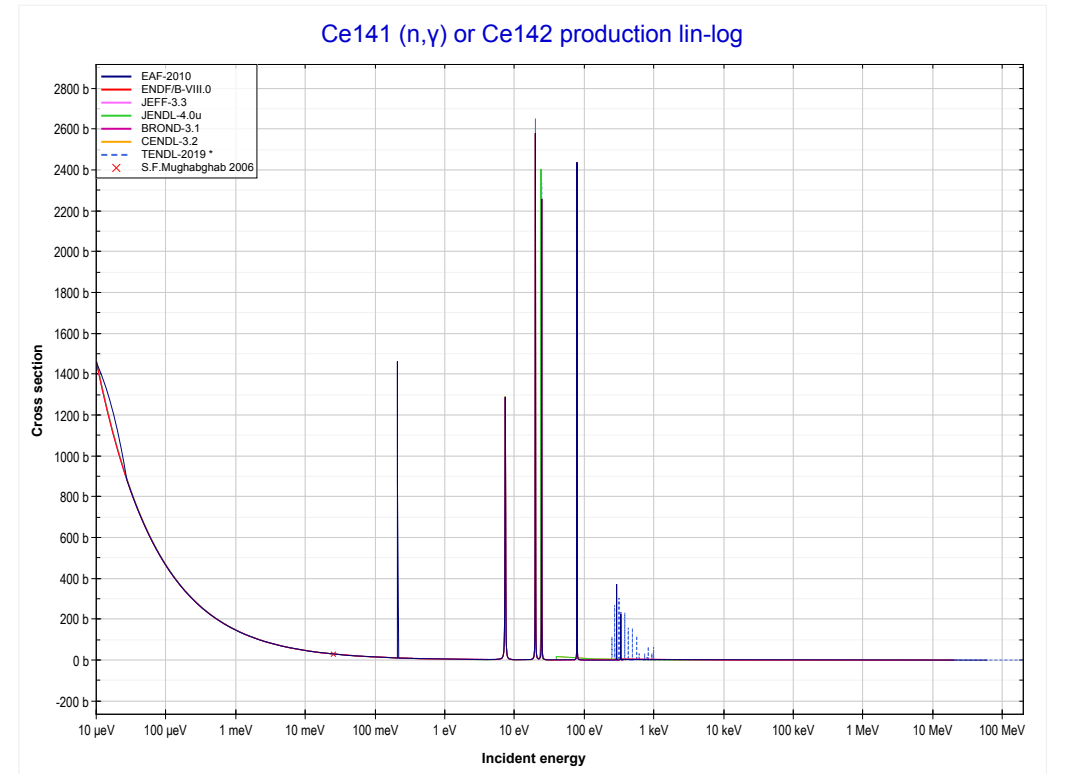
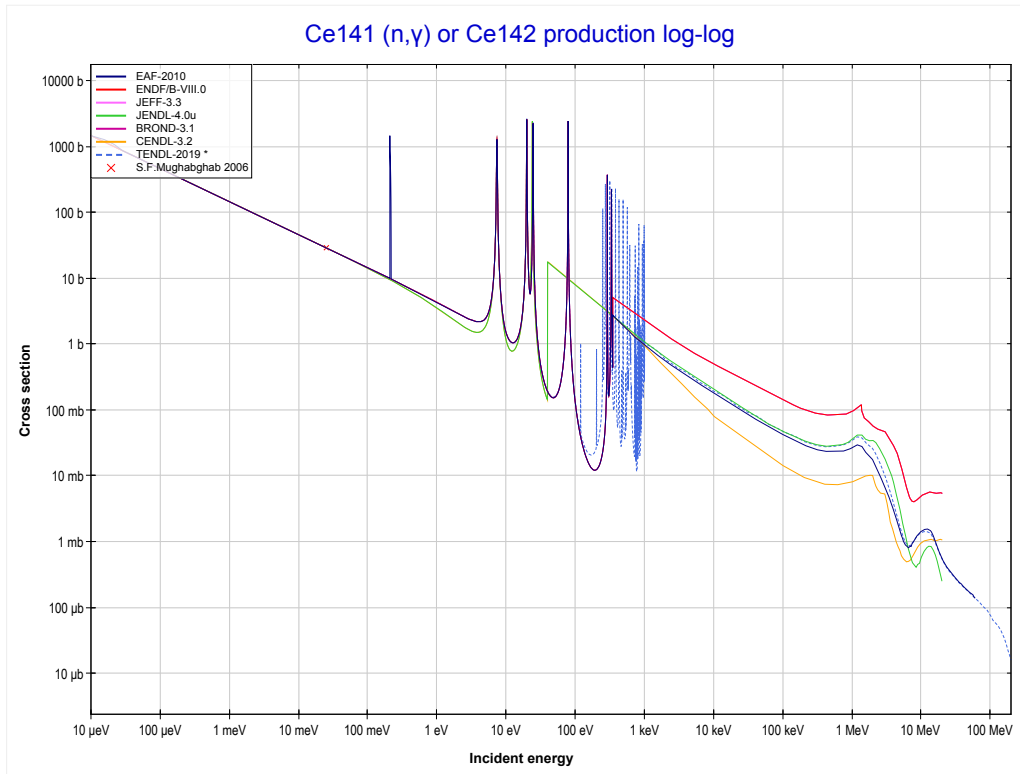
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.18543E-6 b | 0.00602348 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.395E-6 b | 0.00599869 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.30495E-6 b | 0.00573898 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.50402E-6 b | 0.009145 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.395E-6 b | 0.00599869 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.56024E-6 b | 0.00585816 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.33966E-6 b | 0.00573978 b |

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|----------------|--|-----------------------------------|
| << 57-La-139 | 58-Ce-140 | 58-Ce-142 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ba137 production) | 58-Ce-141 MT102 (n, γ) >> |



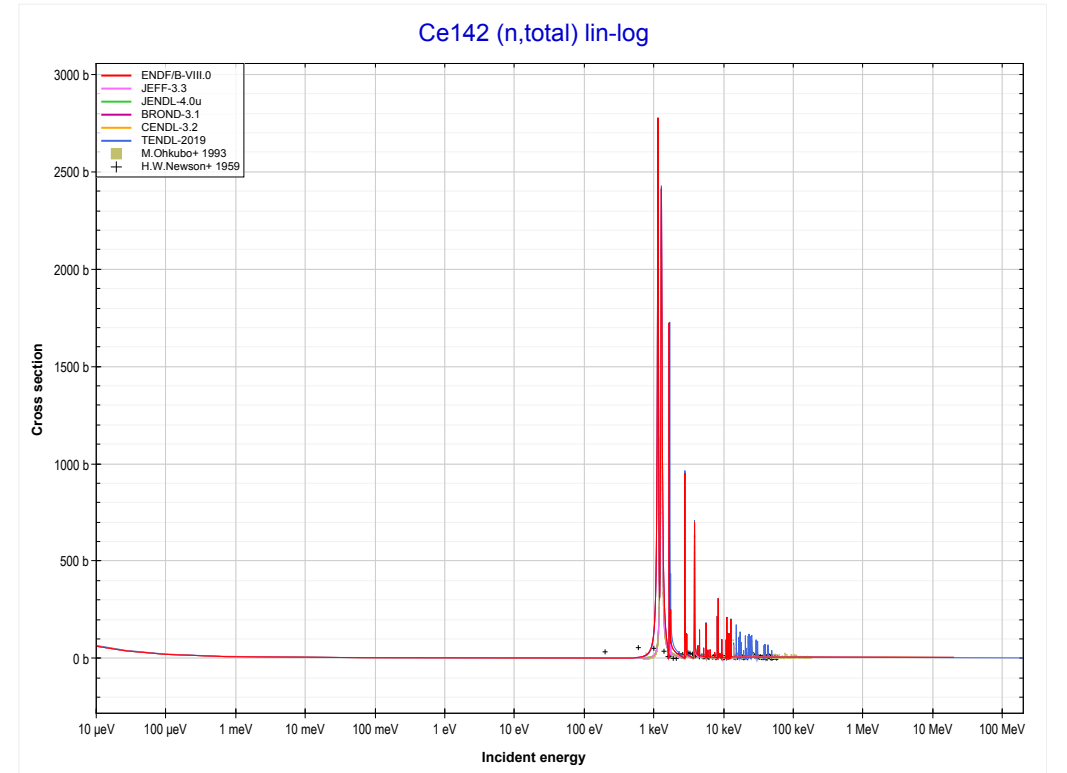
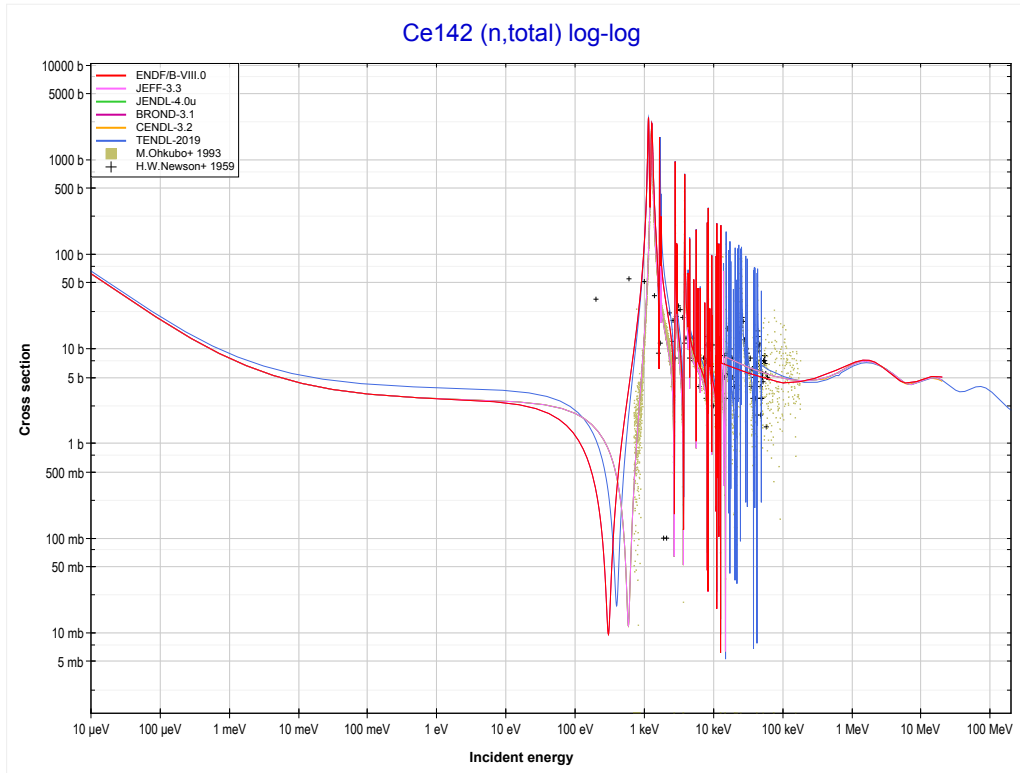
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98526E-6 b | 0.00381524 b |
| JEFF-3.3 | 1.42027E-8 b | 1.42027E-8 b | 1.4204E-8 b | 1.00007 | 8.21101E-9 b | 5.06186E-6 b | 0.00430086 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.39211E-6 b | 0.003595 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98526E-6 b | 0.00381524 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.83413E-6 b | 0.00402097 b |
| TENDL-2019 | 5.7411E-11 b | 5.7411E-11 b | 5.737E-11 b | 0.99928 | 3.31238E-11 b | 2.50877E-6 b | 0.00296981 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 58-Ce-140 | 58-Ce-141 | 58-Ce-142 >> |
| << 58-Ce-140 MT107 (n, α) | MT102 (n,γ) or MT5 (Ce142 production) | 58-Ce-142 MT1 (n,total) >> |



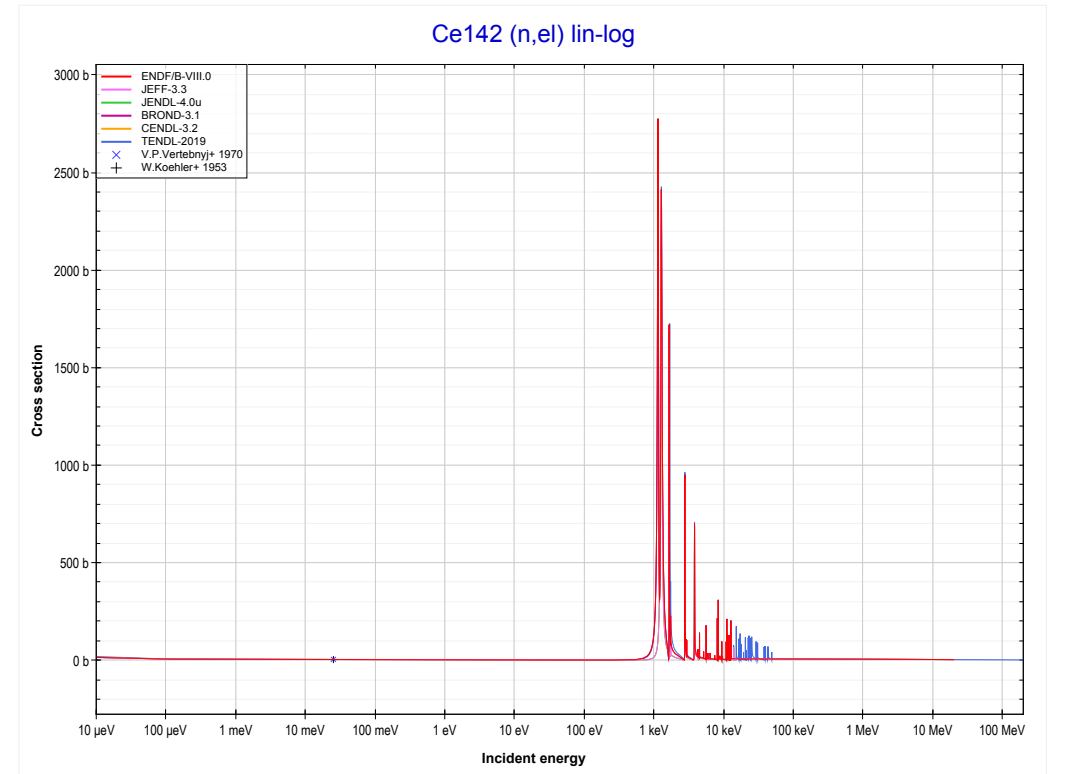
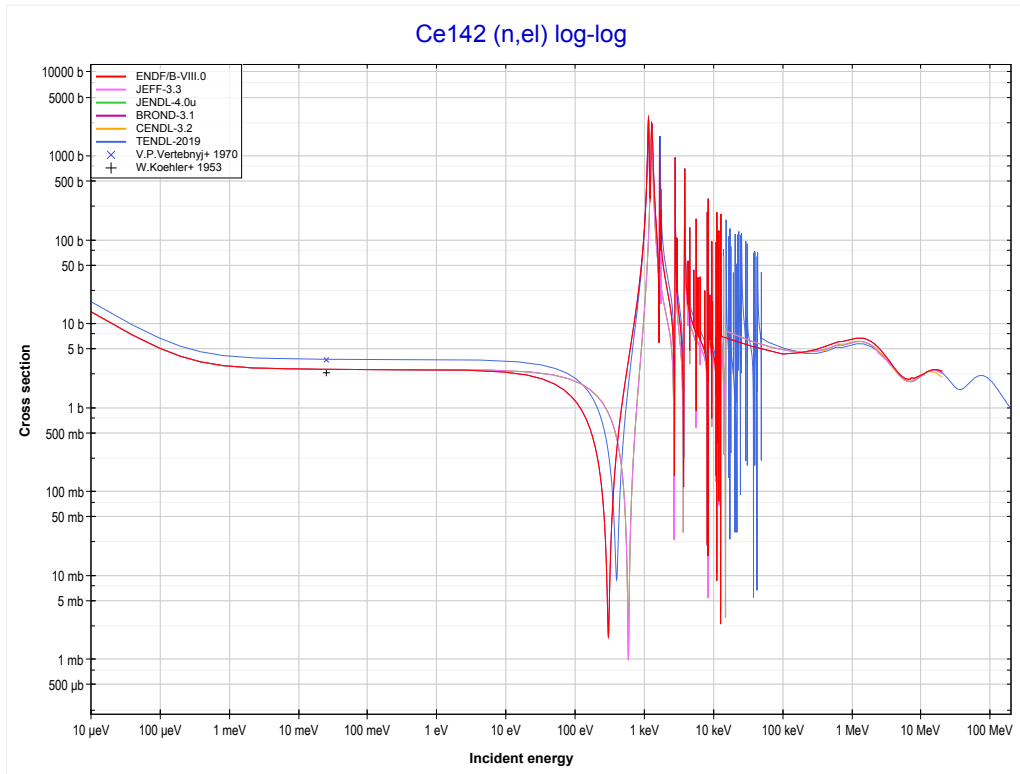
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 29.0032 b | 28.982 b | 29.311 b | 1.01137 | 154.207 b | 0.0184292 b | 0.00143149 b |
| ENDF/B-VIII.0 | 29.0079 b | 29.0079 b | 28.991 b | 0.99941 | 158.253 b | 0.0695873 b | 0.0056573 b |
| JEFF-3.3 | 29.0079 b | 29.0079 b | 28.991 b | 0.99941 | 158.253 b | 0.0695873 b | 0.0056573 b |
| JENDL-4.0u | 29.0191 b | 29.0191 b | 28.918 b | 0.9965 | 148.269 b | 0.0278669 b | 8.394E-4 b |
| BROND-3.1 | 29.0079 b | 29.0079 b | 28.991 b | 0.99941 | 158.253 b | 0.0695873 b | 0.0056573 b |
| CENDL-3.2 | 29.014 b | 29.014 b | 28.901 b | 0.99611 | 147.959 b | 0.00708424 b | 0.00108 b |
| TENDL-2019 | 29.1506 b | 29.1506 b | 29.122 b | 0.99903 | 158.894 b | 0.0240094 b | 0.00128697 b |

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|-----------------------------------|----------------------|--------------------|
| << 58-Ce-140 | 58-Ce-142 | 59-Pr-141 >> |
| << 58-Ce-141 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



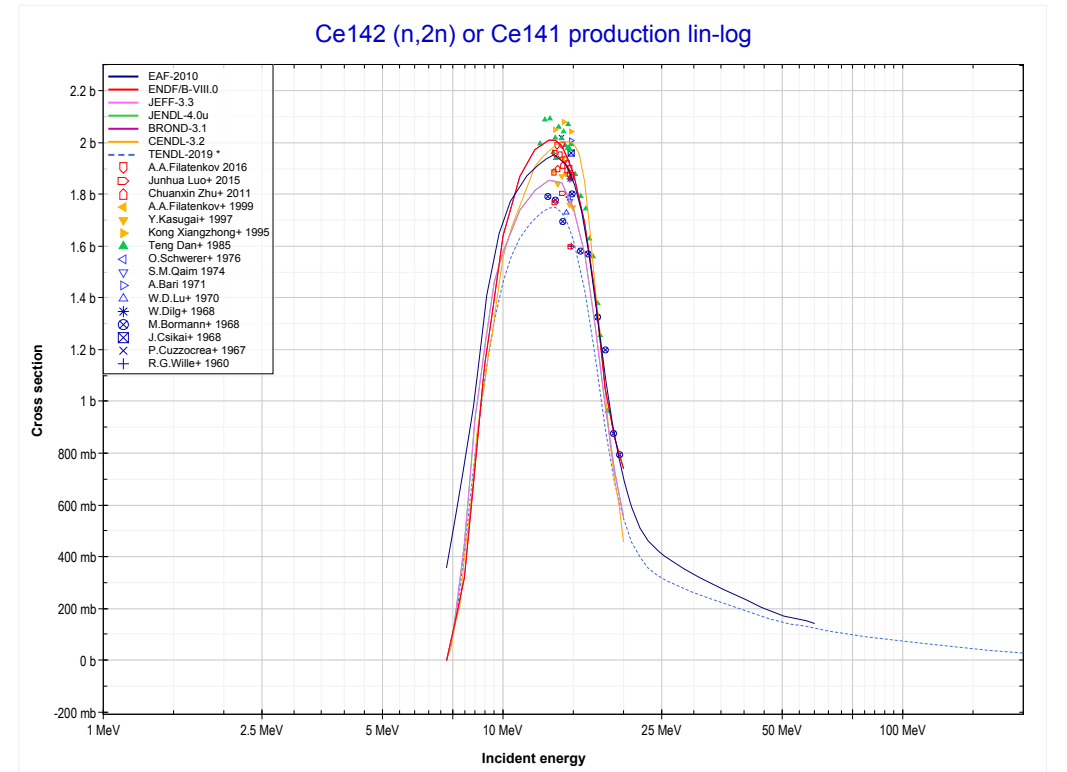
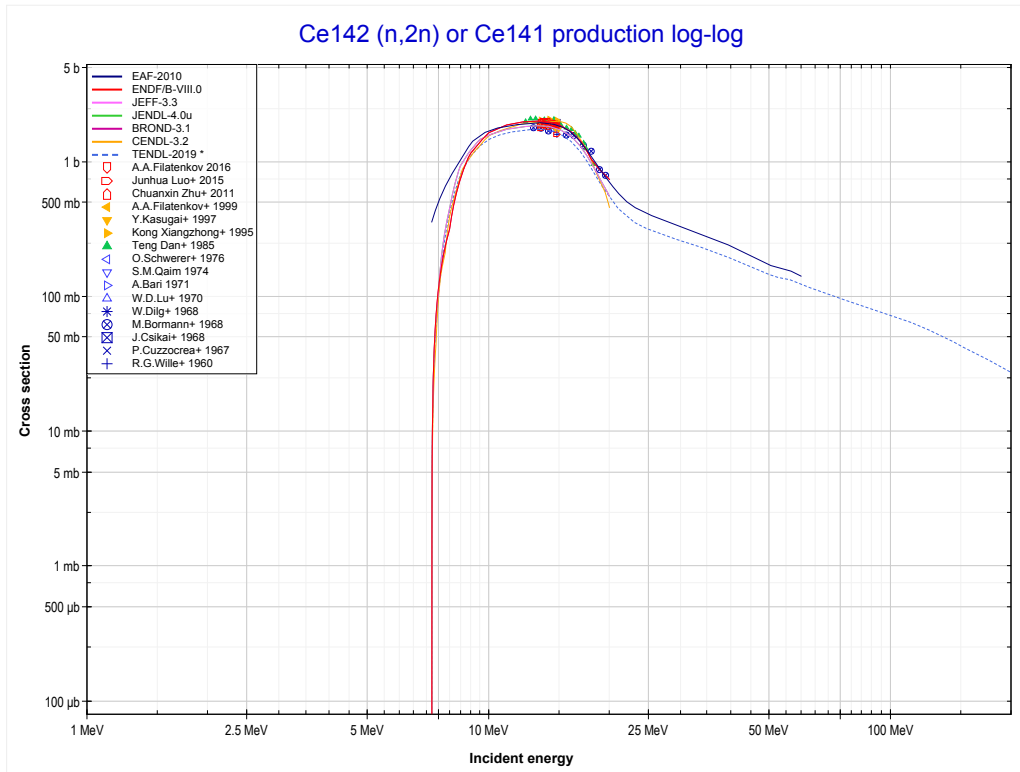
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.82105 b | 3.82105 b | 4.1875 b | 1.09589 | 458.827 b | 6.34531 b | 5.10152 b |
| JEFF-3.3 | 3.81256 b | 3.81256 b | 4.1787 b | 1.09605 | 237.22 b | 6.18876 b | 4.93372 b |
| JENDL-4.0u | 3.81256 b | 3.81256 b | 4.1787 b | 1.09605 | 237.22 b | 6.18876 b | 4.93372 b |
| BROND-3.1 | 3.82106 b | 3.82106 b | 4.1875 b | 1.09589 | 458.827 b | 6.34531 b | 5.10152 b |
| CENDL-3.2 | 3.81231 b | 3.81231 b | 4.1784 b | 1.09602 | 237.099 b | 6.20656 b | 4.90991 b |
| TENDL-2019 | 4.72429 b | 4.72429 b | 5.2073 b | 1.10224 | 494.042 b | 6.07099 b | 4.90701 b |

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|------------------|------------------------|----------------|
| << 58-Ce-140 | 58-Ce-142 | 59-Pr-141 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



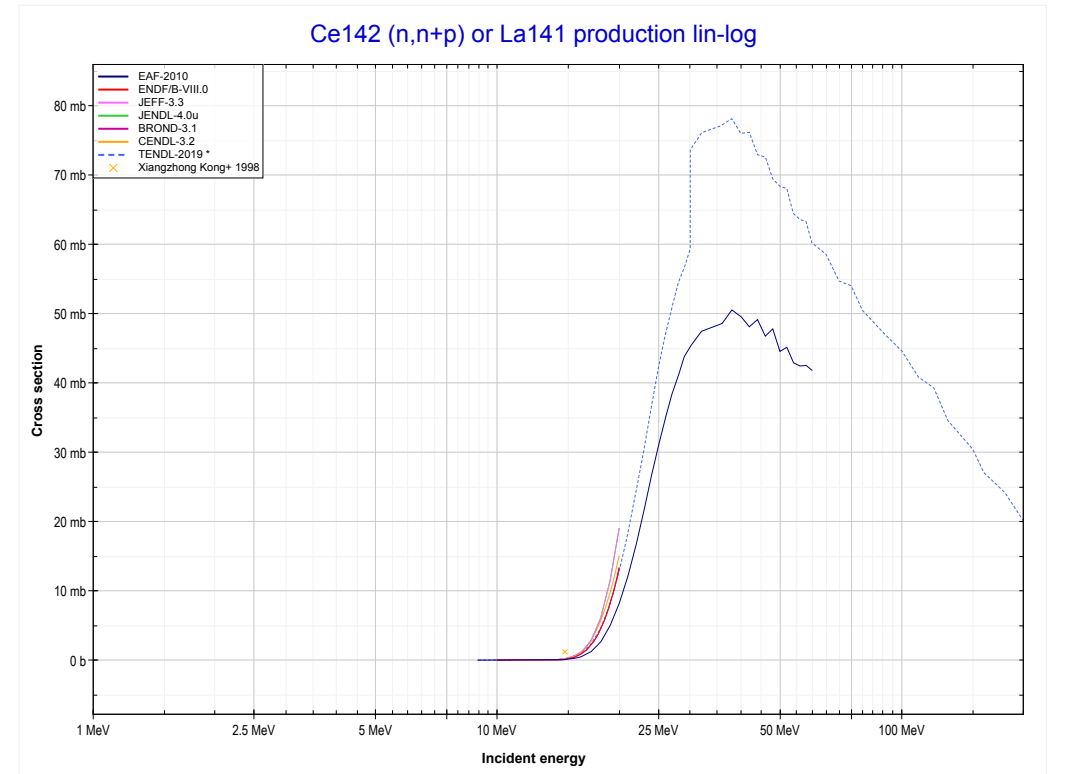
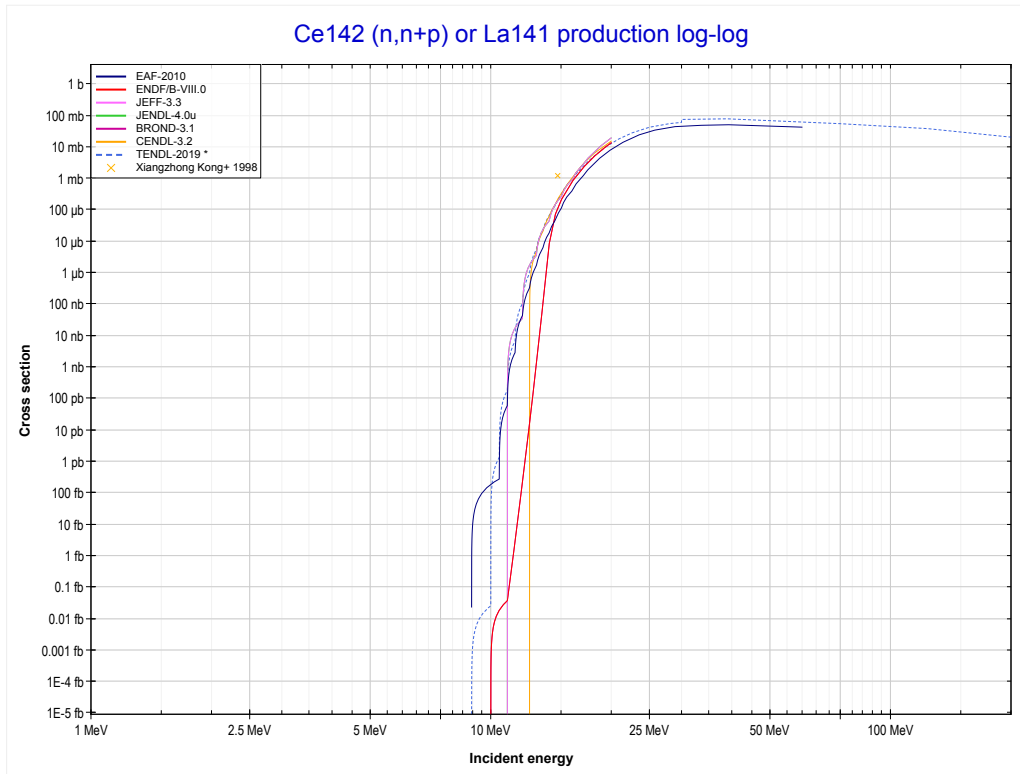
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.85603 b | 2.85603 b | 3.2221 b | 1.12816 | 458 b | 5.2756 b | 2.80444 b |
| JEFF-3.3 | 2.8514 b | 2.8514 b | 3.2172 b | 1.12829 | 236.358 b | 4.83213 b | 2.777 b |
| JENDL-4.0u | 2.8514 b | 2.8514 b | 3.2172 b | 1.12829 | 236.358 b | 4.83213 b | 2.777 b |
| BROND-3.1 | 2.85603 b | 2.85603 b | 3.2221 b | 1.12816 | 458 b | 5.2756 b | 2.80444 b |
| CENDL-3.2 | 2.8514 b | 2.8514 b | 3.2174 b | 1.12836 | 236.238 b | 4.88636 b | 2.68887 b |
| TENDL-2019 | 3.7638 b | 3.7638 b | 4.2467 b | 1.12831 | 493.164 b | 4.71039 b | 2.80555 b |

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|--------------------|--|-----------------|
| << 58-Ce-140 | 58-Ce-142 | 59-Pr-141 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ce141 production) | MT28 (n,n+p) >> |



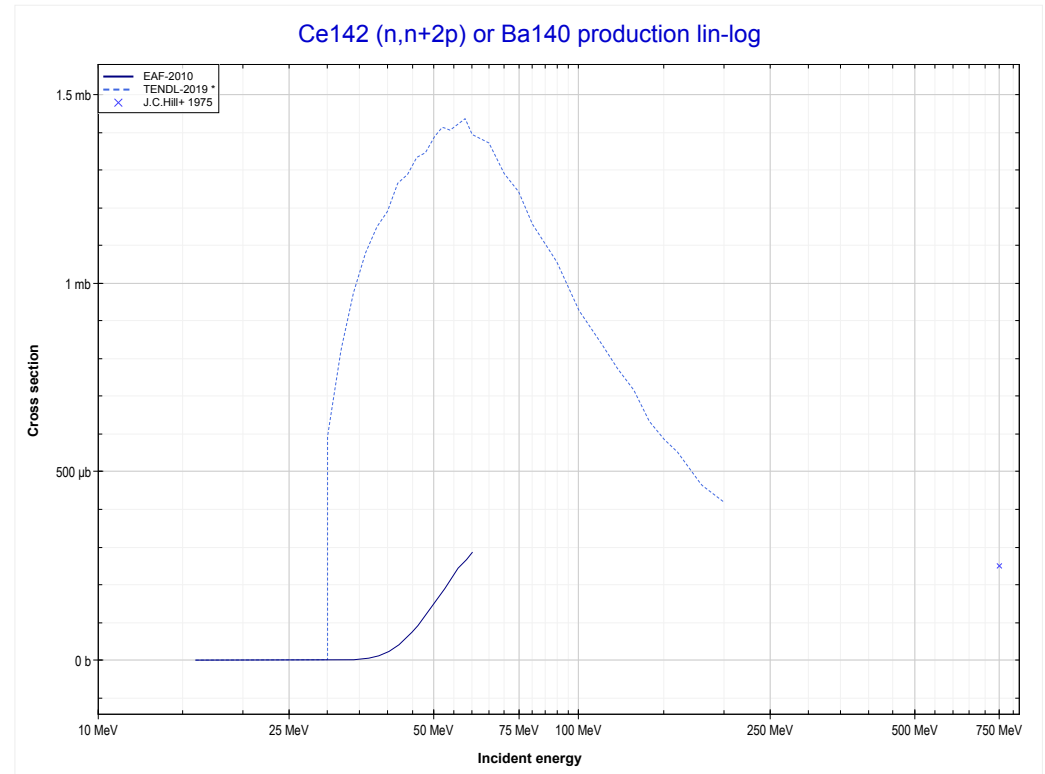
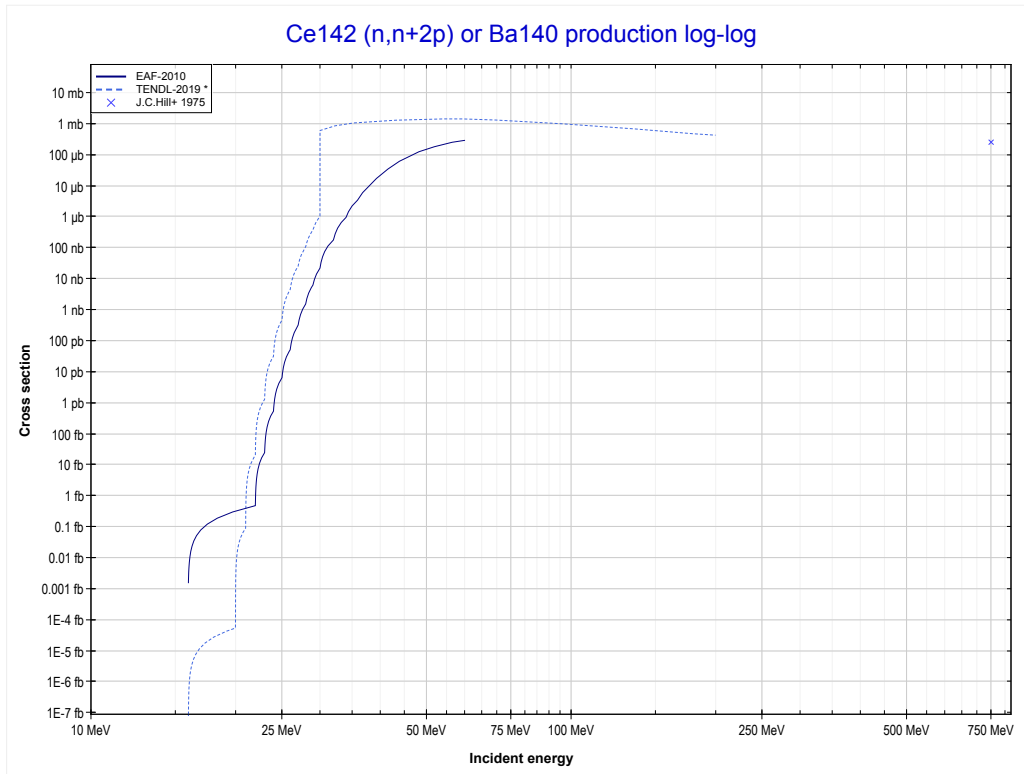
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0120489 b | 1.93047 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00986742 b | 1.99 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0104701 b | 1.847 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0104701 b | 1.847 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00986742 b | 1.99 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00965238 b | 2.00444 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00948958 b | 1.73165 b |

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|----------------|---|------------------|
| << 57-La-139 | 58-Ce-142 | 60-Nd-146 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (La141 production) | MT44 (n,n+2p) >> |



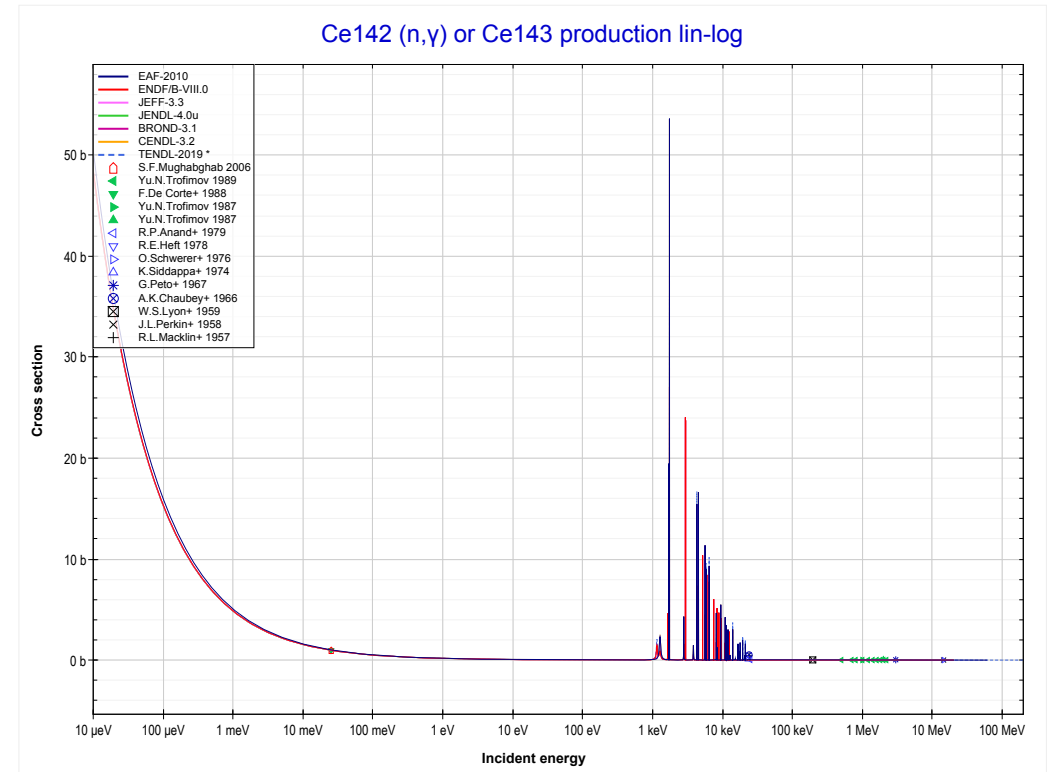
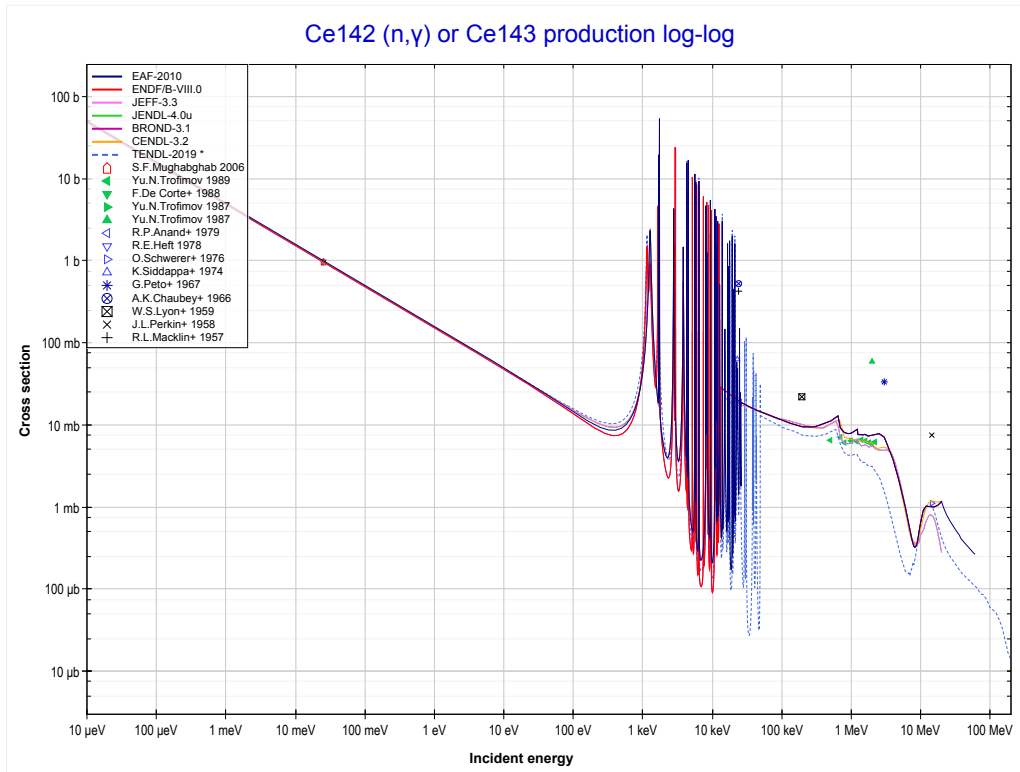
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.58425E-8 b | 8.29668E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36994E-7 b | 4.357E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.36994E-7 b | 4.357E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.58425E-8 b | 8.29668E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30668E-7 b | 5.99818E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13786E-7 b | 6.40446E-5 b |

| | | |
|-----------------|--|-------------------------|
| << 57-La-139 | 58-Ce-142 | 60-Nd-146 >> |
| << MT28 (n,n+p) | MT44 (n,n+2p) or MT5 (Ba140 production) | MT102 (n, γ) >> |



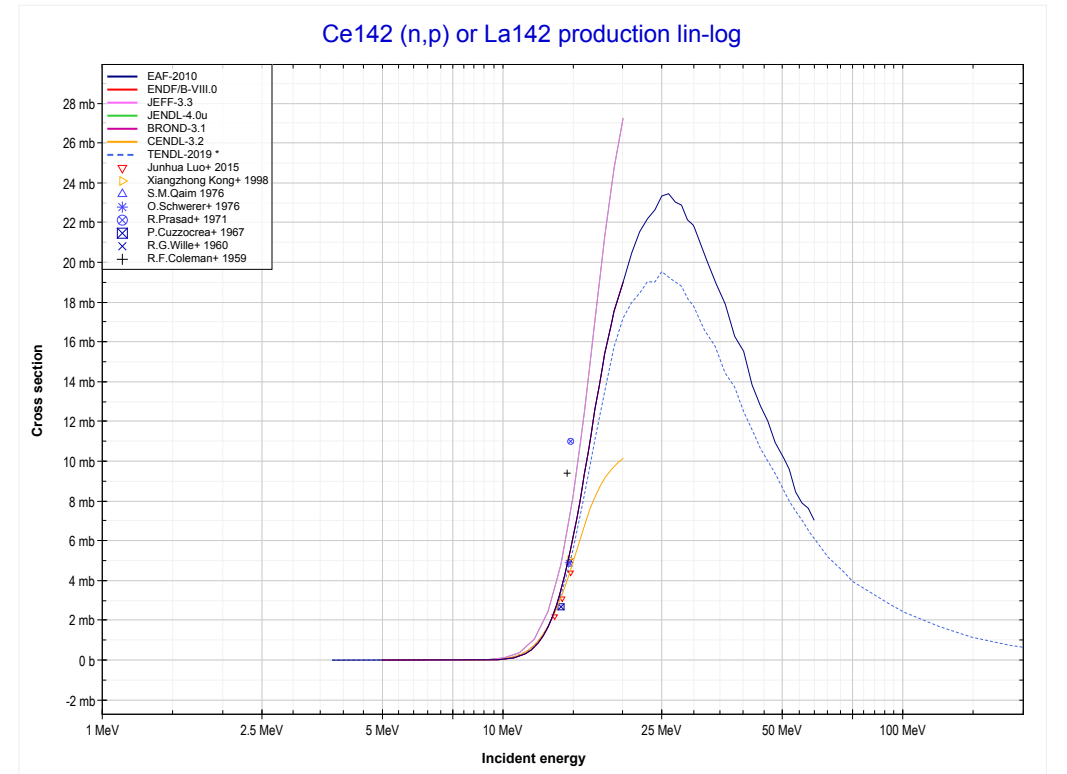
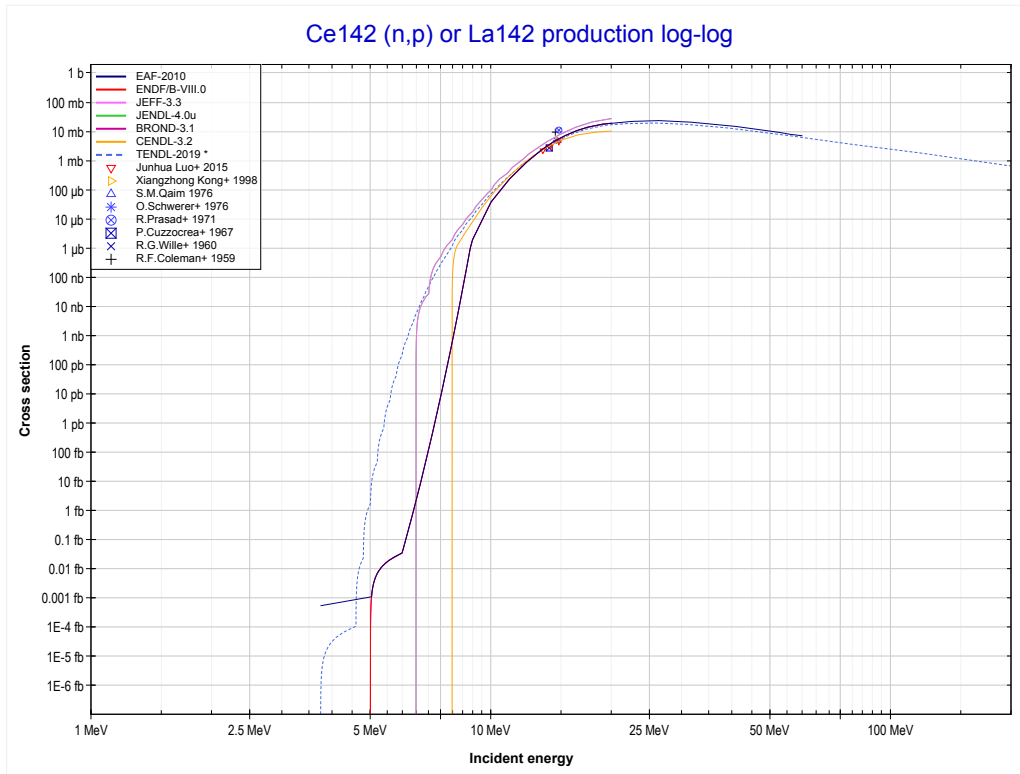
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.3177E-25 b | 0 b |

| | | |
|------------------|--|----------------|
| << 58-Ce-141 | 58-Ce-142 | 58-Ce-143 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Ce143 production) | MT103 (n,p) >> |



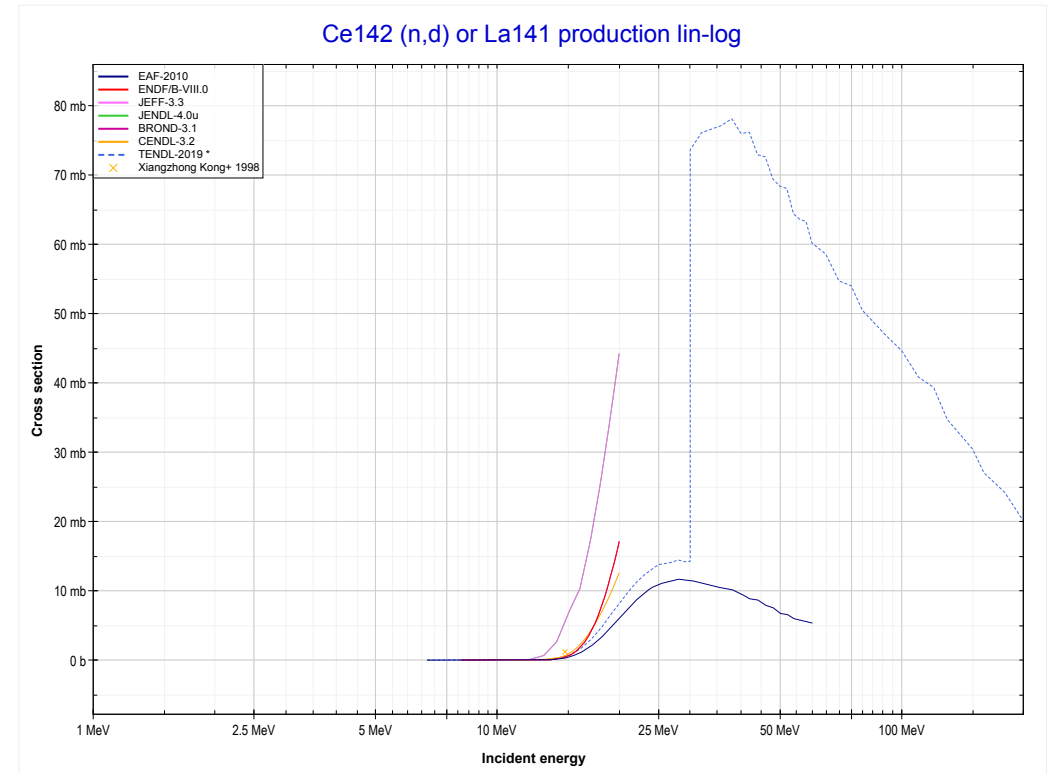
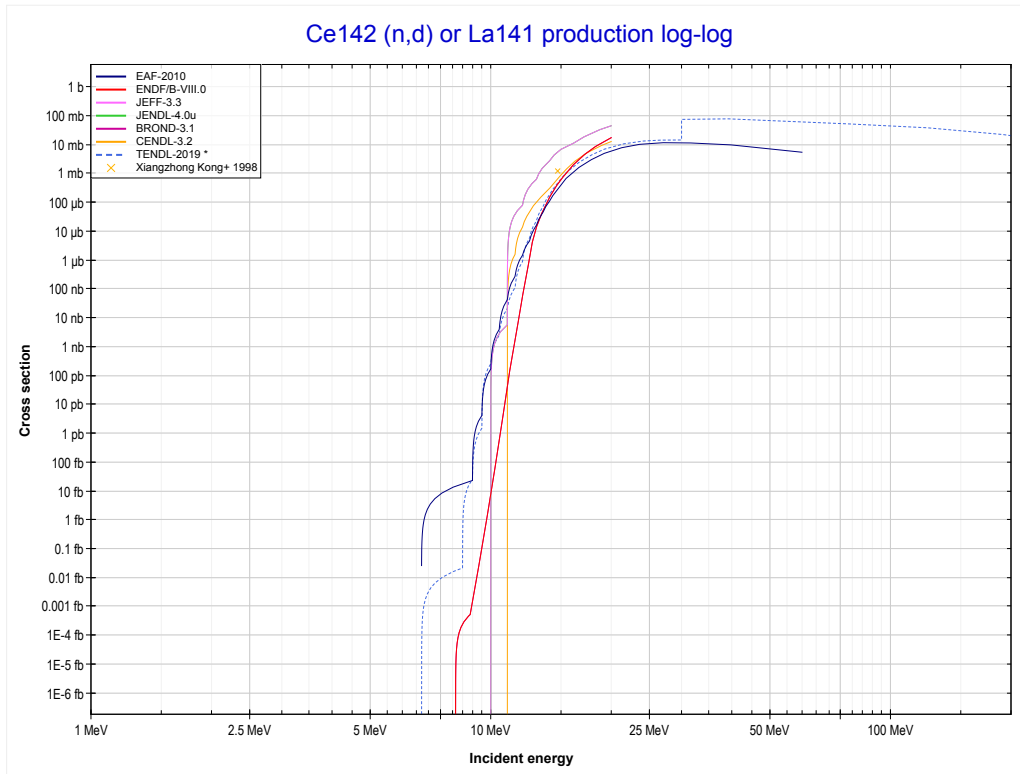
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.00475 b | 1.00399 b | 1.0038 b | 0.99977 | 0.896278 b | 0.0075279 b | 0.00100355 b |
| ENDF/B-VIII.0 | 0.96502 b | 0.96502 b | 0.96539 b | 1.00039 | 0.826834 b | 0.00752915 b | 0.00100355 b |
| JEFF-3.3 | 0.961159 b | 0.961159 b | 0.96155 b | 1.0004 | 0.862272 b | 0.00611161 b | 8.073E-4 b |
| JENDL-4.0u | 0.961159 b | 0.961159 b | 0.96155 b | 1.0004 | 0.862272 b | 0.00611161 b | 8.073E-4 b |
| BROND-3.1 | 0.96502 b | 0.96502 b | 0.96539 b | 1.00039 | 0.826834 b | 0.00752915 b | 0.00100355 b |
| CENDL-3.2 | 0.960912 b | 0.960912 b | 0.96097 b | 1.00006 | 0.861305 b | 0.00653138 b | 0.00117948 b |
| TENDL-2019 | 0.96049 b | 0.96049 b | 0.96054 b | 1.00005 | 0.875932 b | 0.00378893 b | 0.00106495 b |

| | | |
|-------------------------|--|----------------|
| << 58-Ce-140 | 58-Ce-142 | 59-Pr-141 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (La142 production) | MT104 (n,d) >> |



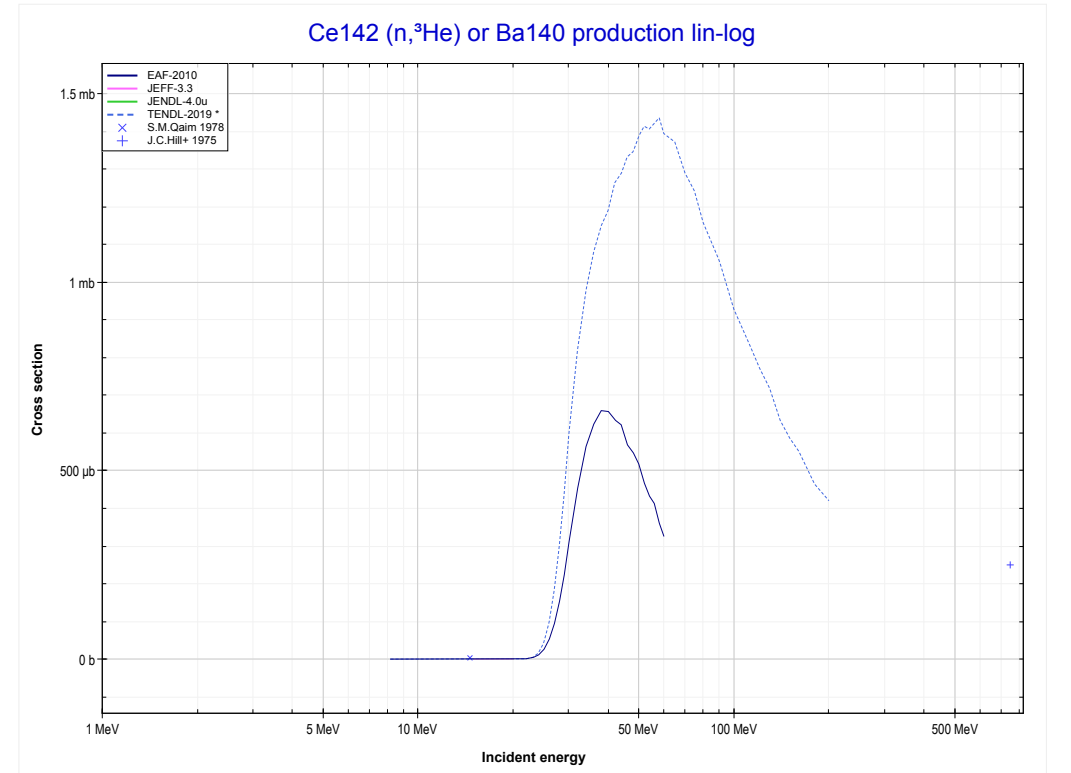
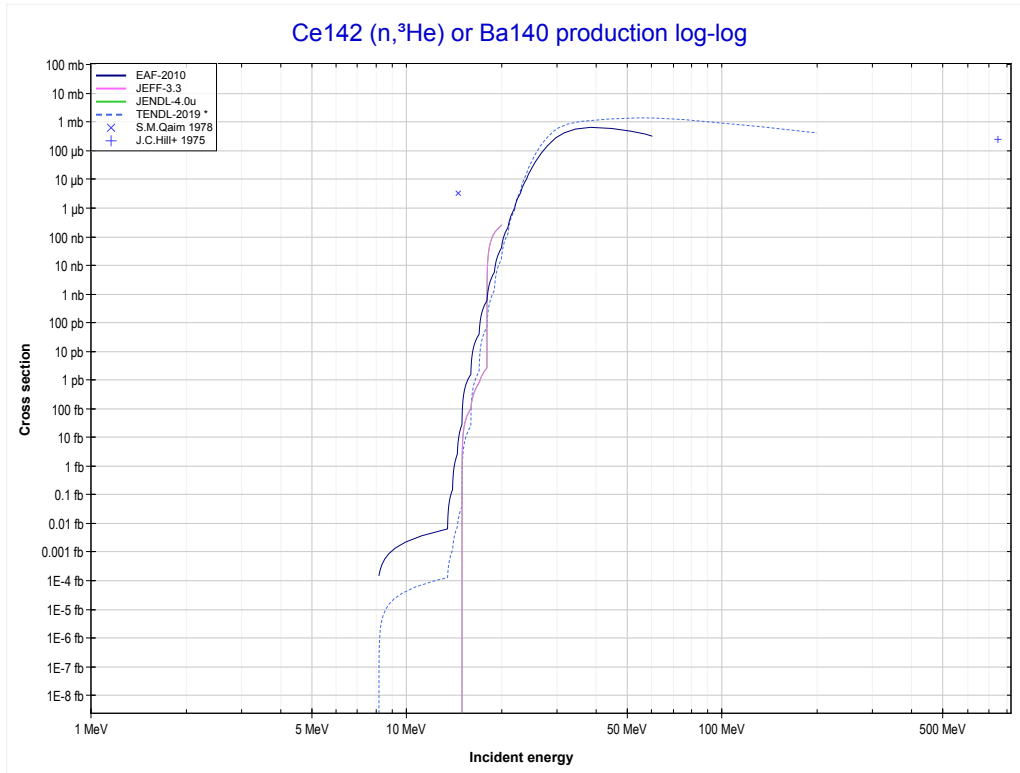
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6881E-6 b | 0.00356899 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.68812E-6 b | 0.00356899 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.6603E-6 b | 0.004834 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.6603E-6 b | 0.004834 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.68812E-6 b | 0.00356899 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59452E-6 b | 0.00313743 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.77128E-6 b | 0.00329277 b |

| | | |
|----------------|--|-------------------------------|
| << 56-Ba-138 | 58-Ce-142 | 60-Nd-146 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (La141 production) | MT106 (n, ³ He) >> |



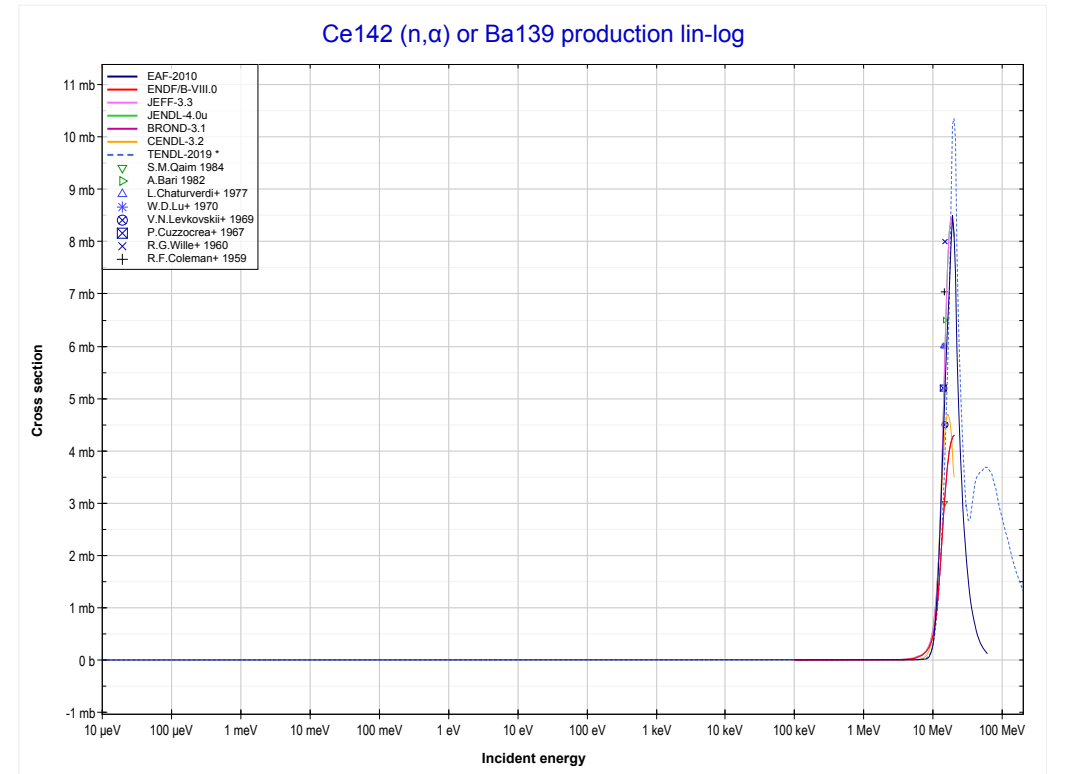
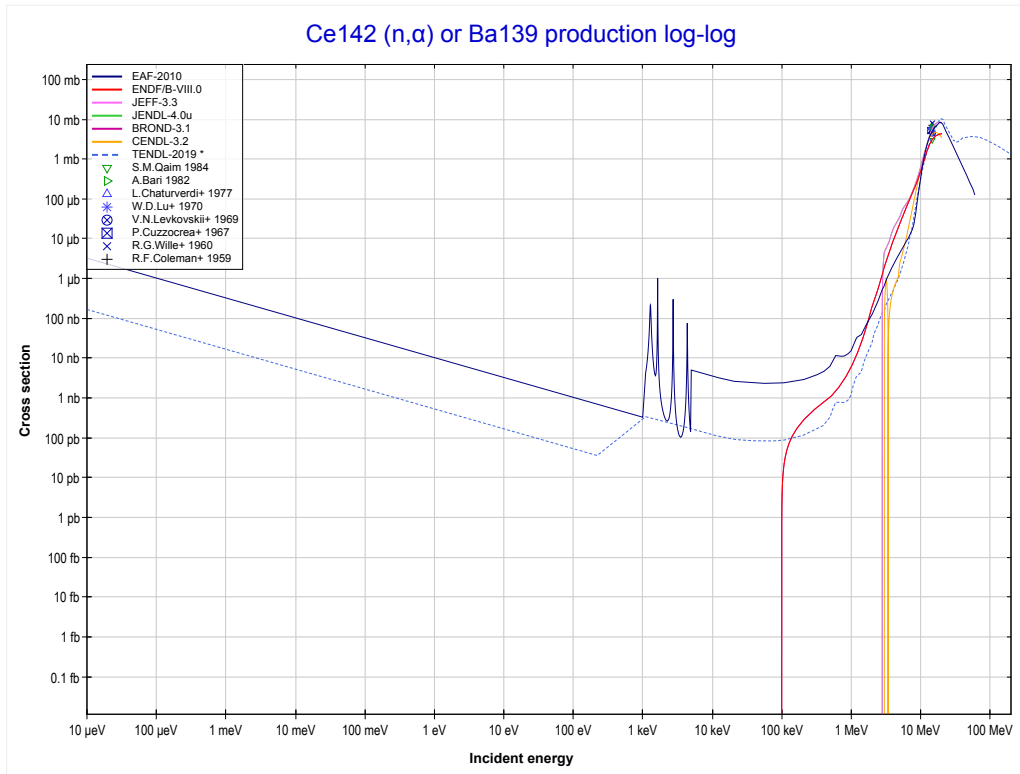
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01644E-7 b | 1.03087E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92278E-7 b | 1.41649E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31658E-6 b | 0.002577 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.31658E-6 b | 0.002577 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92278E-7 b | 1.41649E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35713E-7 b | 2.86502E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52924E-7 b | 1.70069E-4 b |

| | | |
|----------------|---|----------------|
| << 57-La-139 | 58-Ce-142 | 60-Nd-146 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ba140 production) | MT107 (n,α) >> |



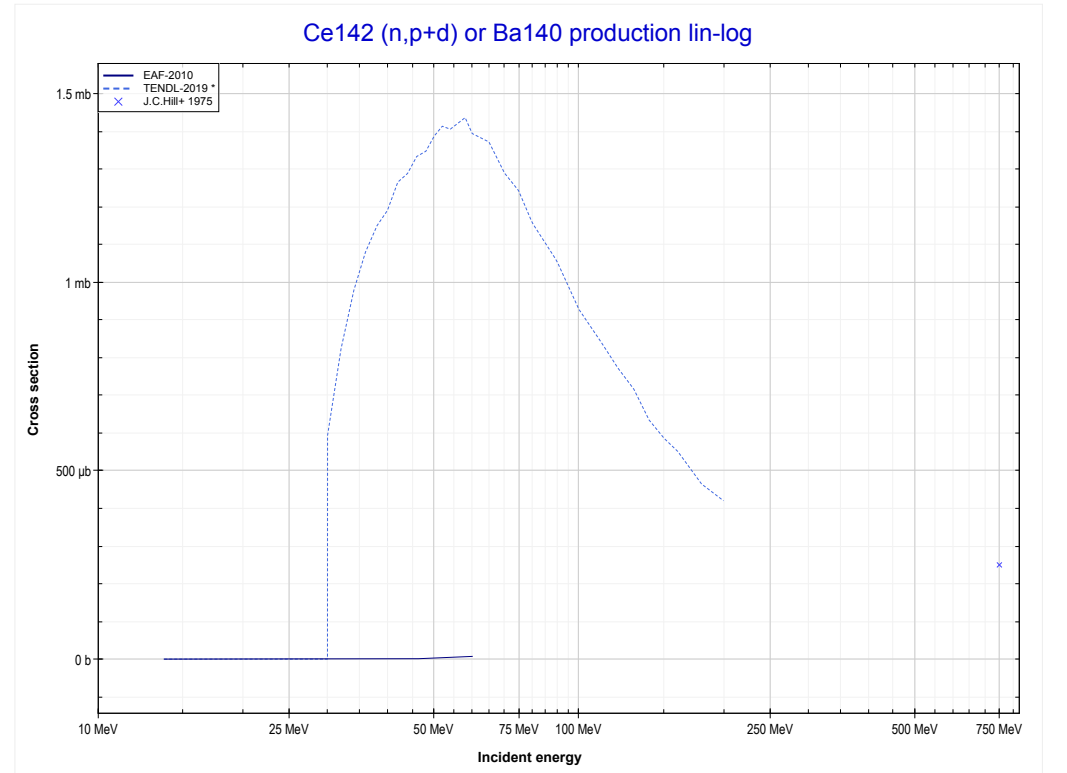
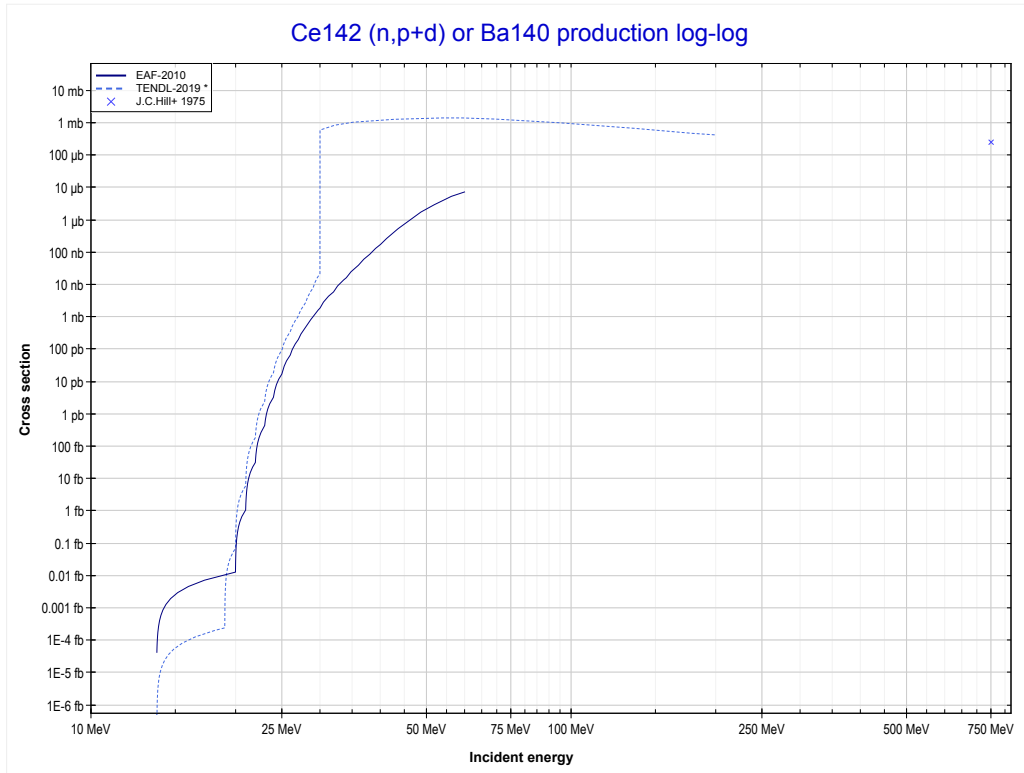
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.84748E-14 b | 1.51296E-16 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4106E-13 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.4106E-13 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59483E-14 b | 1.1652E-18 b |

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|-------------------------------|--|------------------|
| << 58-Ce-140 | 58-Ce-142 | 59-Pr-141 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ba139 production) | MT115 (n,p+d) >> |



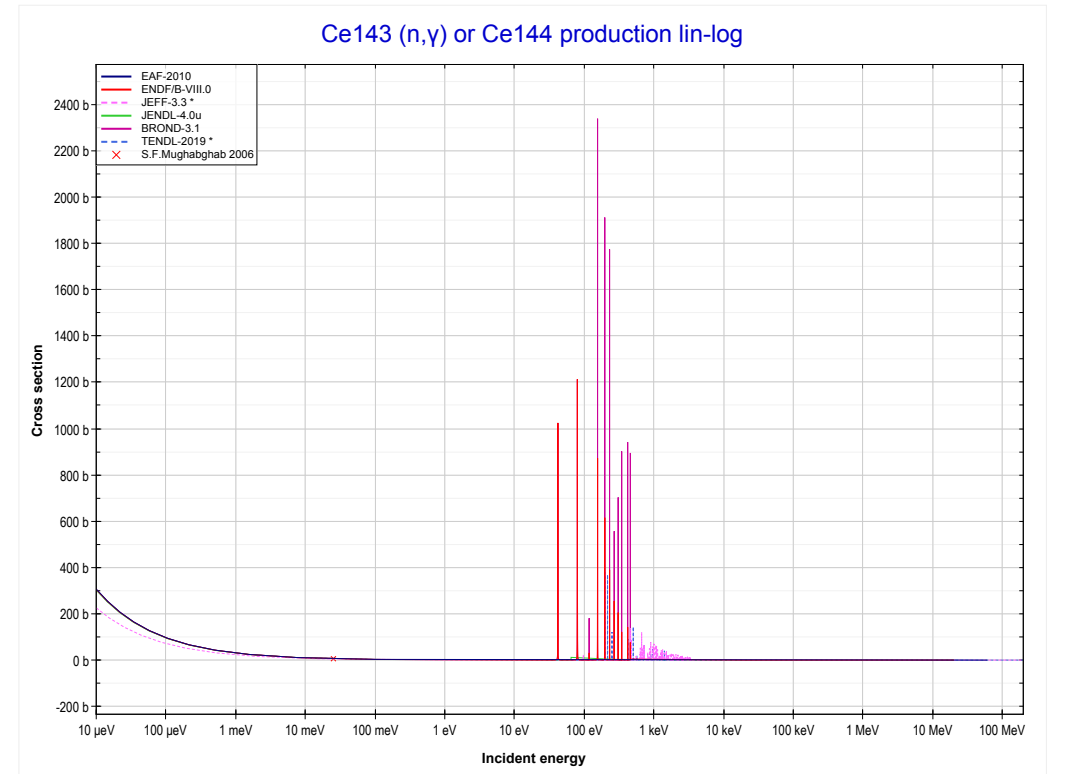
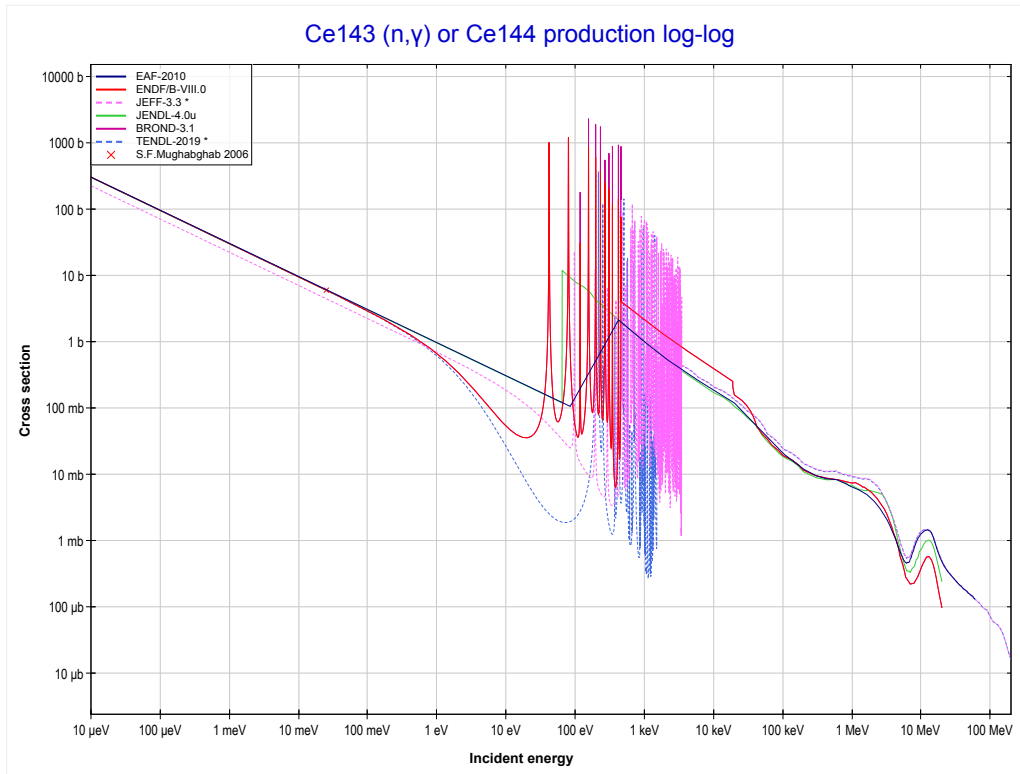
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.4557E-8 b | 6.45086E-8 b | 6.4493E-8 b | 0.99976 | 6.245E-8 b | 4.24381E-6 b | 0.00428702 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.35881E-22 b | 8.26914E-6 b | 0.00269963 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14572E-5 b | 0.004719 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.14572E-5 b | 0.004719 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.35875E-22 b | 8.26914E-6 b | 0.00269963 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.14081E-6 b | 0.0038973 b |
| TENDL-2019 | 3.3403E-9 b | 3.3403E-9 b | 3.339E-9 b | 0.99962 | 2.33383E-9 b | 3.21502E-6 b | 0.00307088 b |

| | | |
|-------------------------|--|-----------------------------------|
| << 57-La-139 | 58-Ce-142 | 60-Nd-146 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Ba140 production) | 58-Ce-143 MT102 (n, γ) >> |



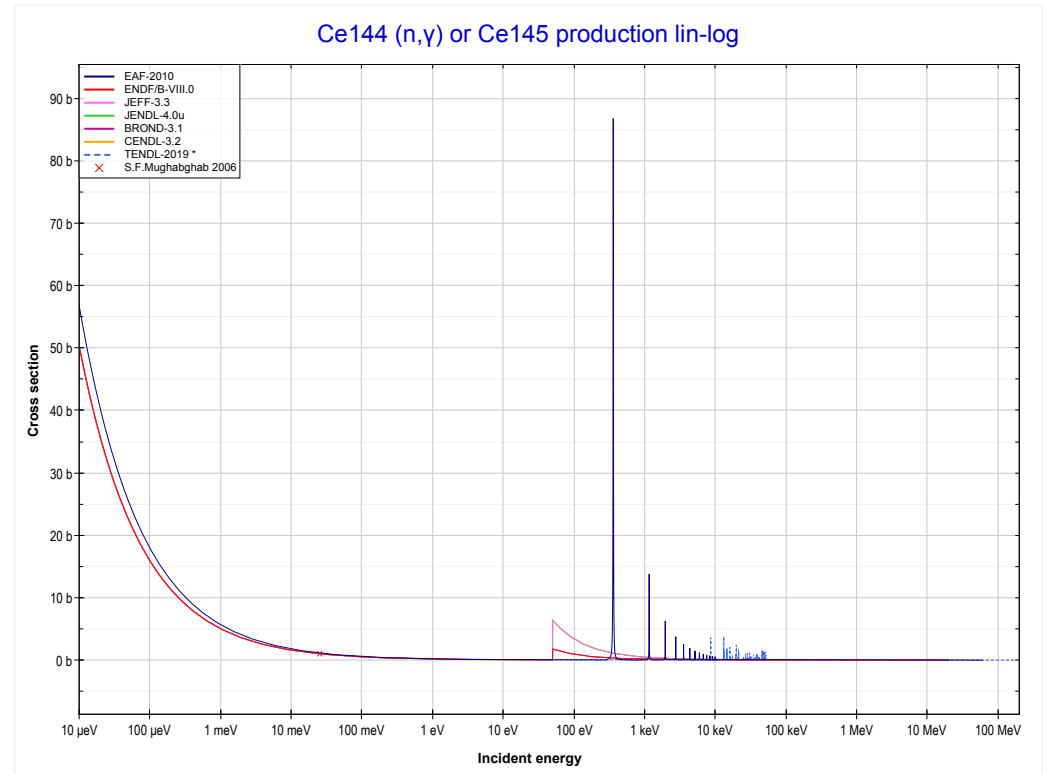
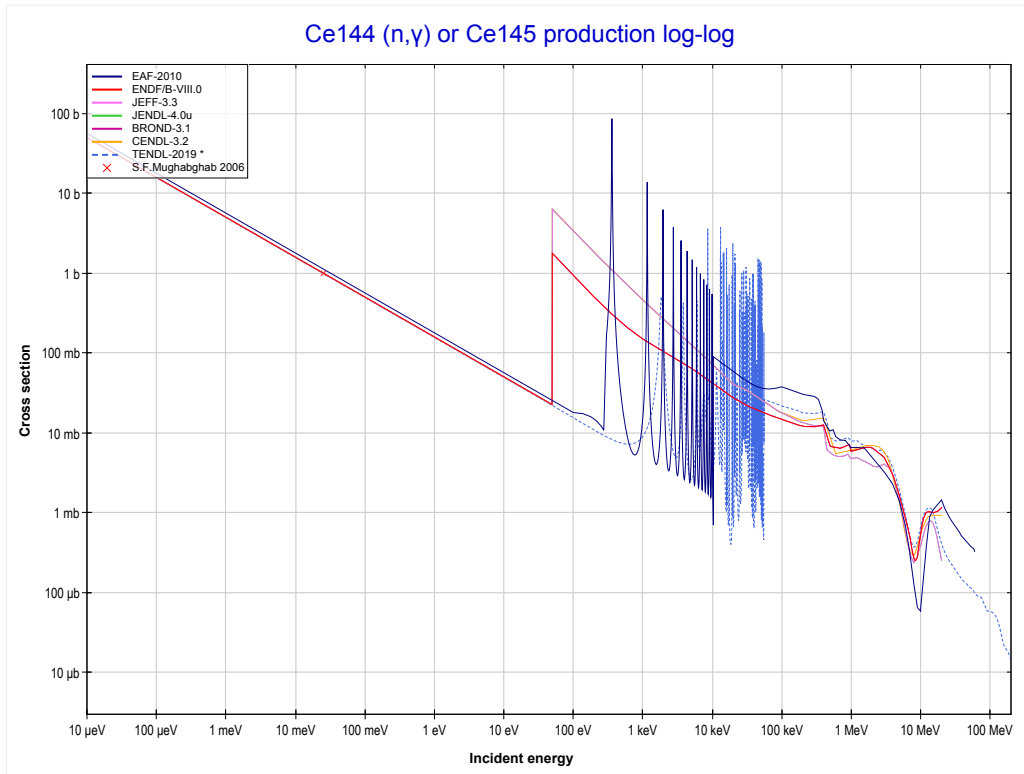
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.01581E-23 b | 1.29522E-20 b |

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|----------------------------|--|-----------------------------------|
| << 58-Ce-142 | 58-Ce-143 | 58-Ce-144 >> |
| << 58-Ce-142 MT115 (n,p+d) | MT102 (n,γ) or MT5 (Ce144 production) | 58-Ce-144 MT102 (n, γ) >> |



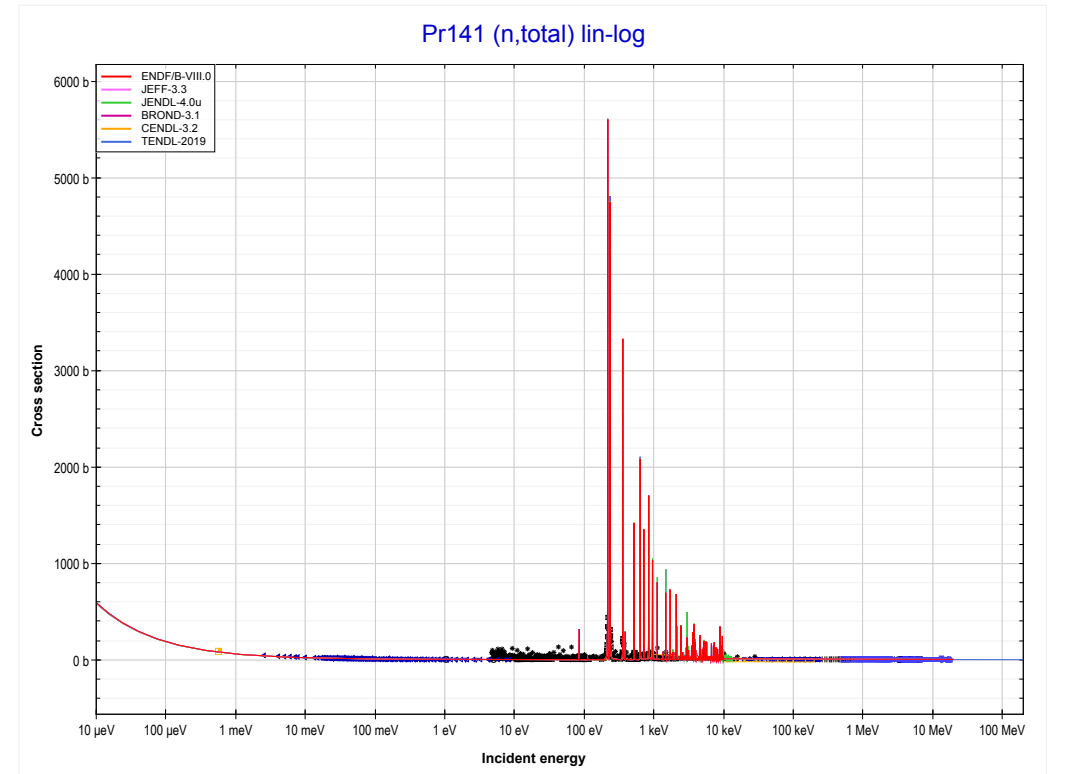
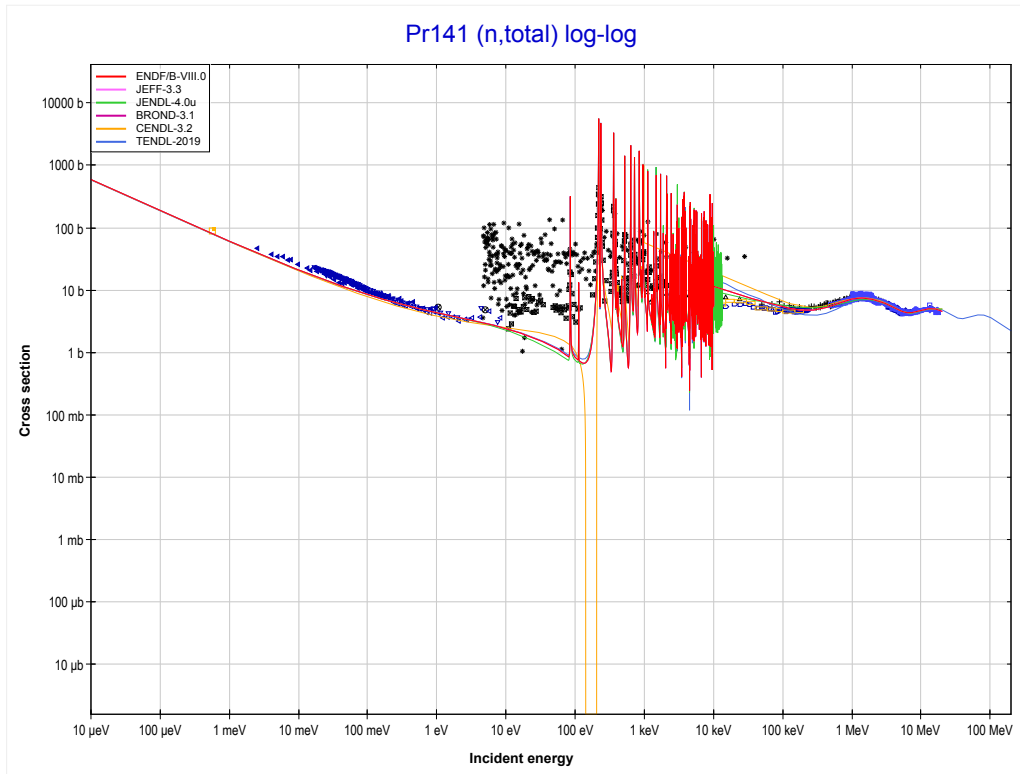
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.1 b | 6.09543 b | 6.0957 b | 1.00004 | 6.15818 b | 0.00577814 b | 0.00133646 b |
| ENDF/B-VIII.0 | 6.0018 b | 6.0018 b | 5.9733 b | 0.99526 | 35.5543 b | 0.00668323 b | 5.1884E-4 b |
| JEFF-3.3 | 4.485 b | 4.485 b | 4.4856 b | 1.00013 | 6.11866 b | 0.00852381 b | 0.00131909 b |
| JENDL-4.0u | 6.00169 b | 6.00169 b | 6.0041 b | 1.00041 | 15.9067 b | 0.00632528 b | 9.516E-4 b |
| BROND-3.1 | 6.0018 b | 6.0018 b | 5.9733 b | 0.99526 | 35.6268 b | 0.00668323 b | 5.1884E-4 b |
| TENDL-2019 | 5.97675 b | 5.97675 b | 5.9403 b | 0.99391 | 6.53004 b | 0.00832944 b | 0.00131864 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 58-Ce-143 | 58-Ce-144 | 59-Pr-141 >> |
| << 58-Ce-143 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ce145 production) | 59-Pr-141 MT1 (n,total) >> |



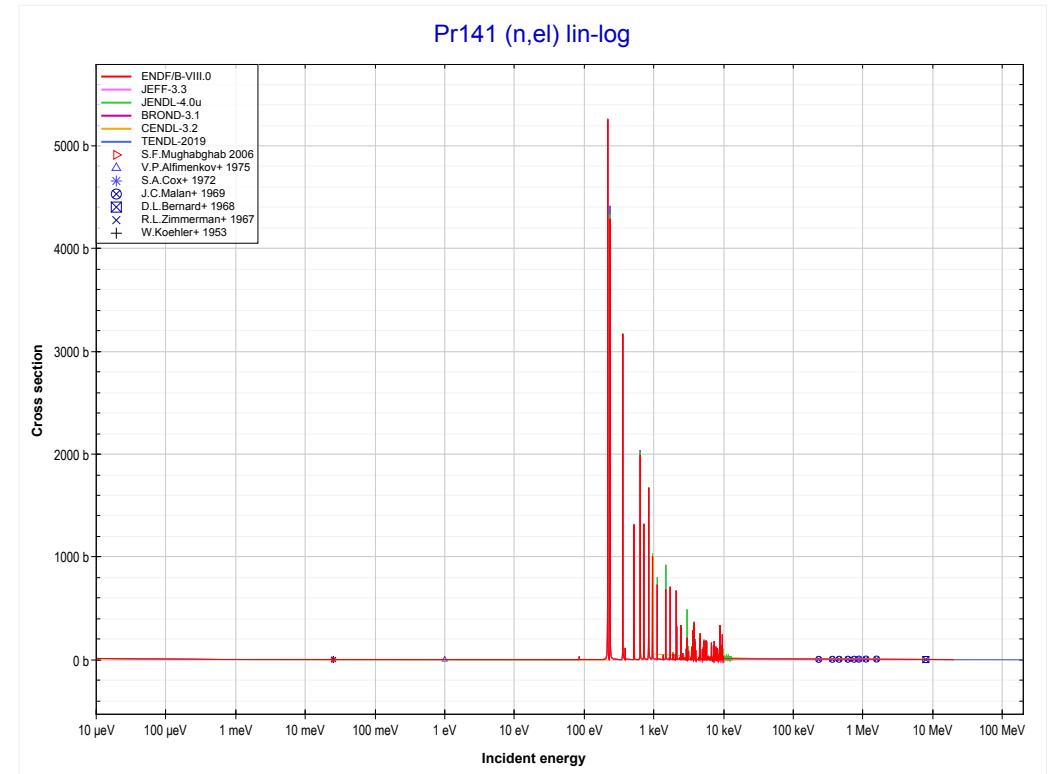
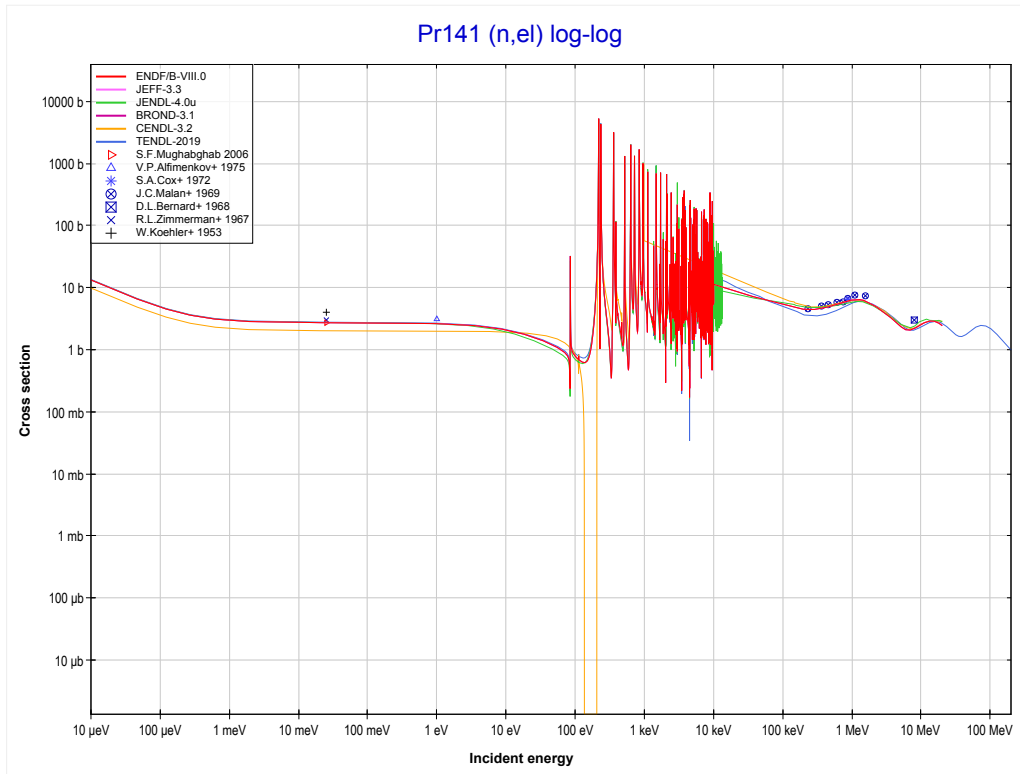
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.12936 b | 1.12852 b | 1.1282 b | 0.99976 | 2.79969 b | 0.00788095 b | 9.45598E-4 b |
| ENDF/B-VIII.0 | 1.00028 b | 1.00028 b | 1.0007 b | 1.00041 | 2.51247 b | 0.00630188 b | 0.00100685 b |
| JEFF-3.3 | 1.00028 b | 1.00028 b | 1.0007 b | 1.00041 | 7.61599 b | 0.00524919 b | 7.89E-4 b |
| JENDL-4.0u | 1.00028 b | 1.00028 b | 1.0007 b | 1.00041 | 7.61599 b | 0.00524919 b | 7.89E-4 b |
| BROND-3.1 | 1.00028 b | 1.00028 b | 1.0007 b | 1.00041 | 2.51247 b | 0.00630188 b | 0.00100685 b |
| CENDL-3.2 | 1.00003 b | 1.00003 b | 1.0001 b | 1.00006 | 7.59811 b | 0.00692385 b | 9.12648E-4 b |
| TENDL-2019 | 0.995011 b | 0.995011 b | 0.99505 b | 1.00004 | 0.600684 b | 0.00773492 b | 0.0011311 b |

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|-----------------------------------|----------------------|--------------------|
| << 58-Ce-142 | 59-Pr-141 | 60-Nd-142 >> |
| << 58-Ce-144 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



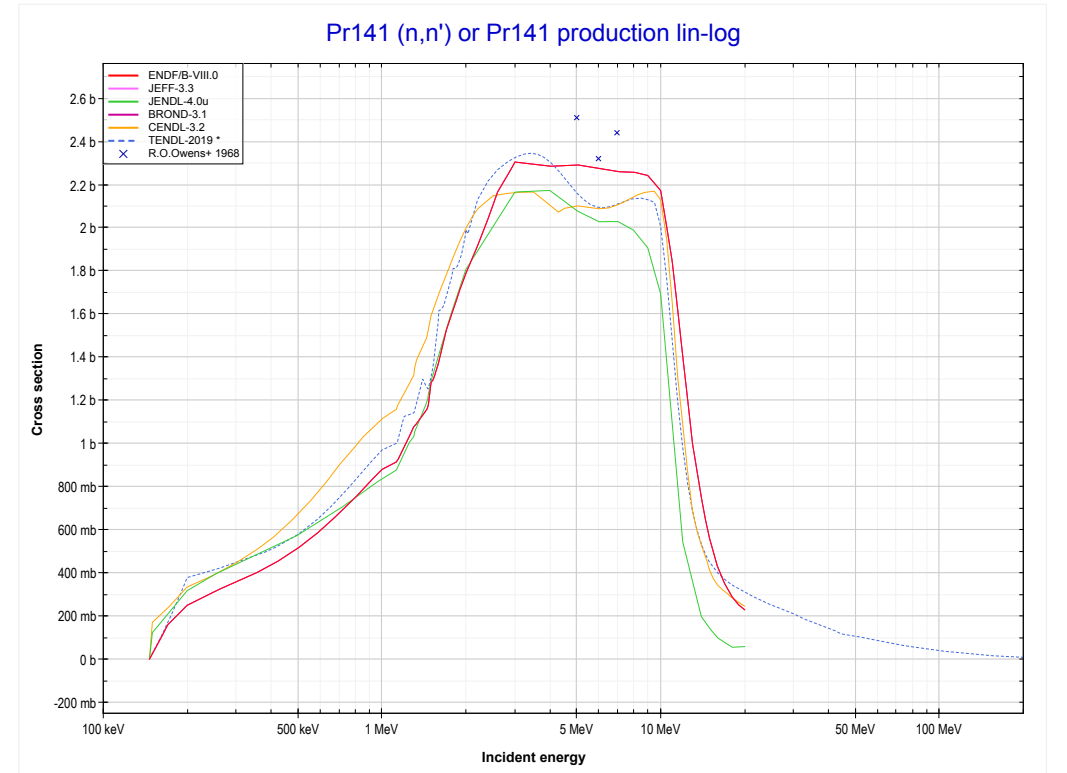
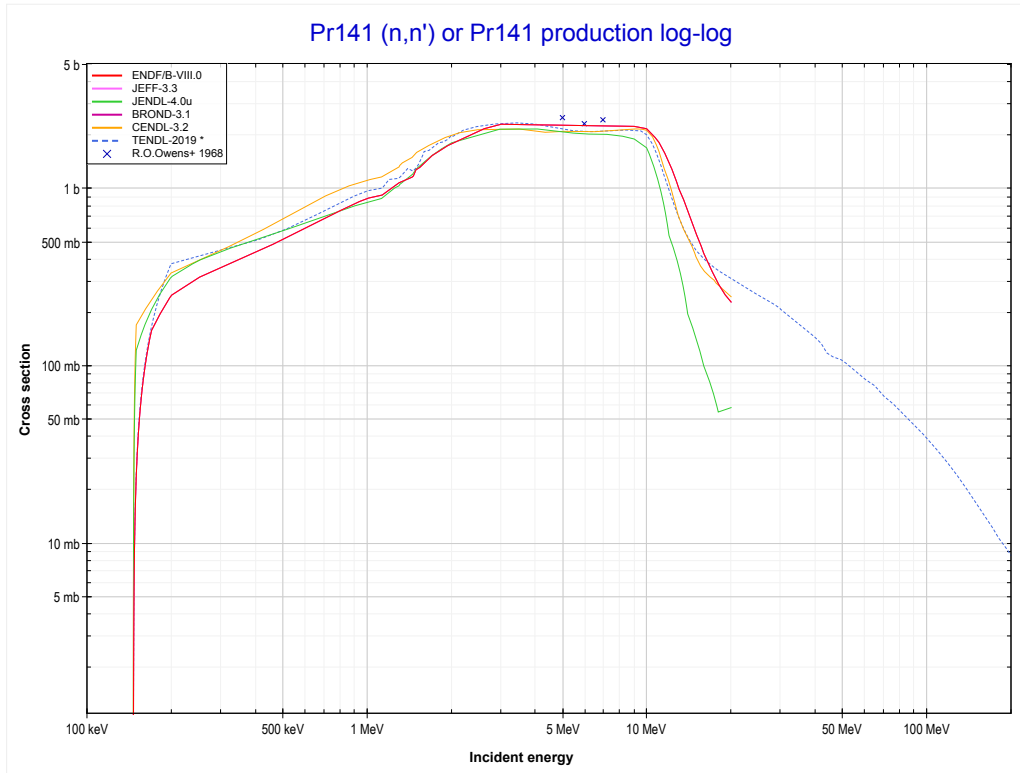
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.2251 b | 14.2251 b | 14.567 b | 1.02402 | 239.238 b | 6.3248 b | 5.06505 b |
| JEFF-3.3 | 14.2251 b | 14.2251 b | 14.567 b | 1.02402 | 239.238 b | 6.3248 b | 5.06505 b |
| JENDL-4.0u | 14.2087 b | 14.2087 b | 14.552 b | 1.02417 | 239.824 b | 6.16204 b | 4.89 b |
| BROND-3.1 | 14.2251 b | 14.2251 b | 14.567 b | 1.02402 | 239.238 b | 6.3248 b | 5.06505 b |
| CENDL-3.2 | 13.5195 b | 13.5195 b | 13.779 b | 1.01922 | 304.481 b | 6.54426 b | 5.025 b |
| TENDL-2019 | 14.0634 b | 14.0634 b | 14.408 b | 1.02447 | 241.621 b | 6.1384 b | 4.96152 b |

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|------------------|------------------------|---------------|
| << 58-Ce-142 | 59-Pr-141 | 60-Nd-142 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



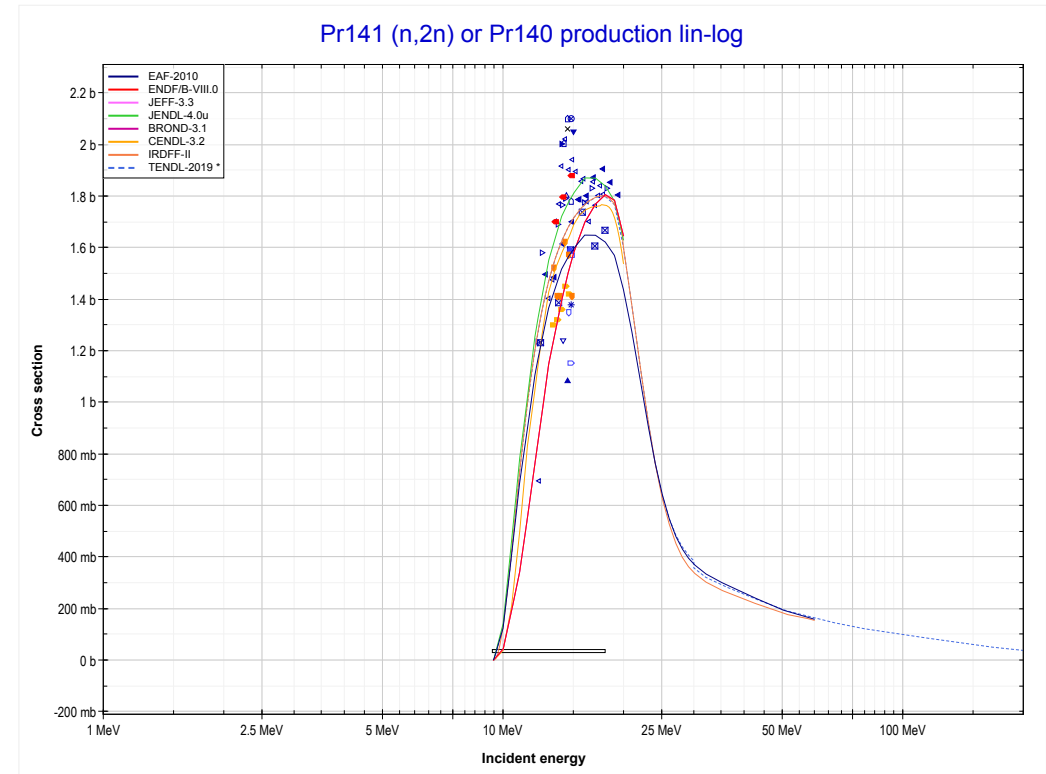
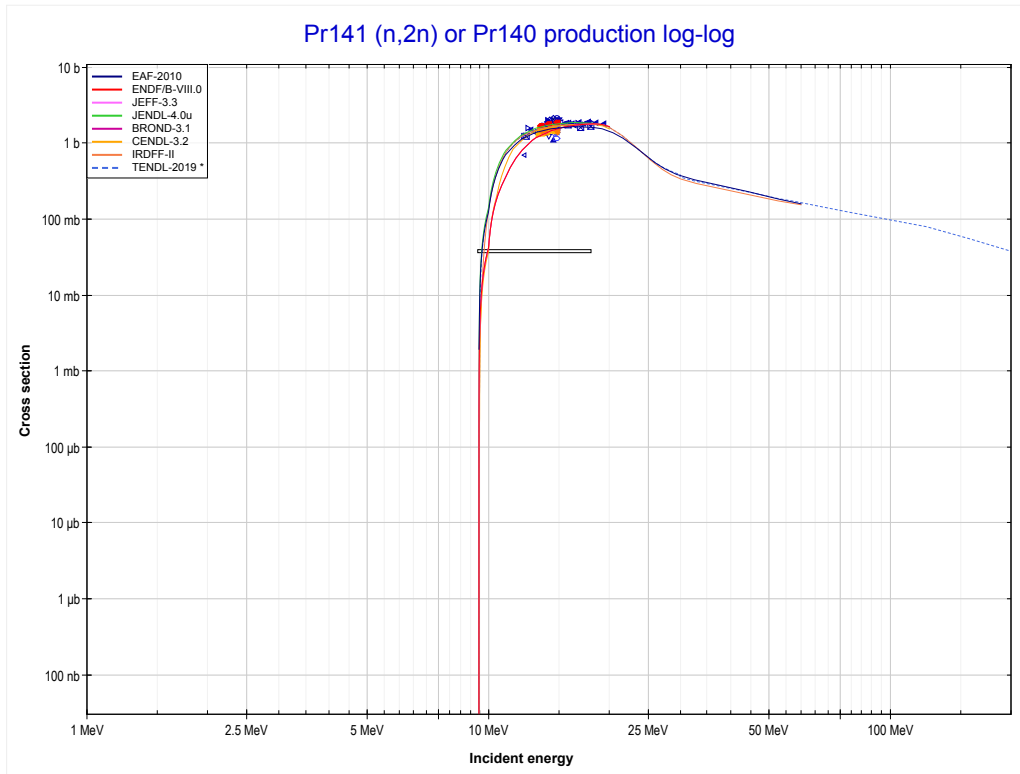
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.7167 b | 2.7167 b | 3.0629 b | 1.12745 | 221.472 b | 4.90967 b | 2.90667 b |
| JEFF-3.3 | 2.7167 b | 2.7167 b | 3.0629 b | 1.12745 | 221.472 b | 4.90967 b | 2.90667 b |
| JENDL-4.0u | 2.72977 b | 2.72977 b | 3.077 b | 1.1272 | 221.539 b | 4.78775 b | 2.95328 b |
| BROND-3.1 | 2.7167 b | 2.7167 b | 3.0629 b | 1.12745 | 221.472 b | 4.90967 b | 2.90667 b |
| CENDL-3.2 | 2.01437 b | 2.01437 b | 2.2729 b | 1.12834 | 287.032 b | 5.02837 b | 2.89458 b |
| TENDL-2019 | 2.76828 b | 2.76828 b | 3.1213 b | 1.12751 | 224.765 b | 4.65325 b | 2.78929 b |

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|--------------------|---|----------------|
| << 57-La-139 | 59-Pr-141 | 67-Ho-165 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Pr141 production) | MT16 (n,2n) >> |



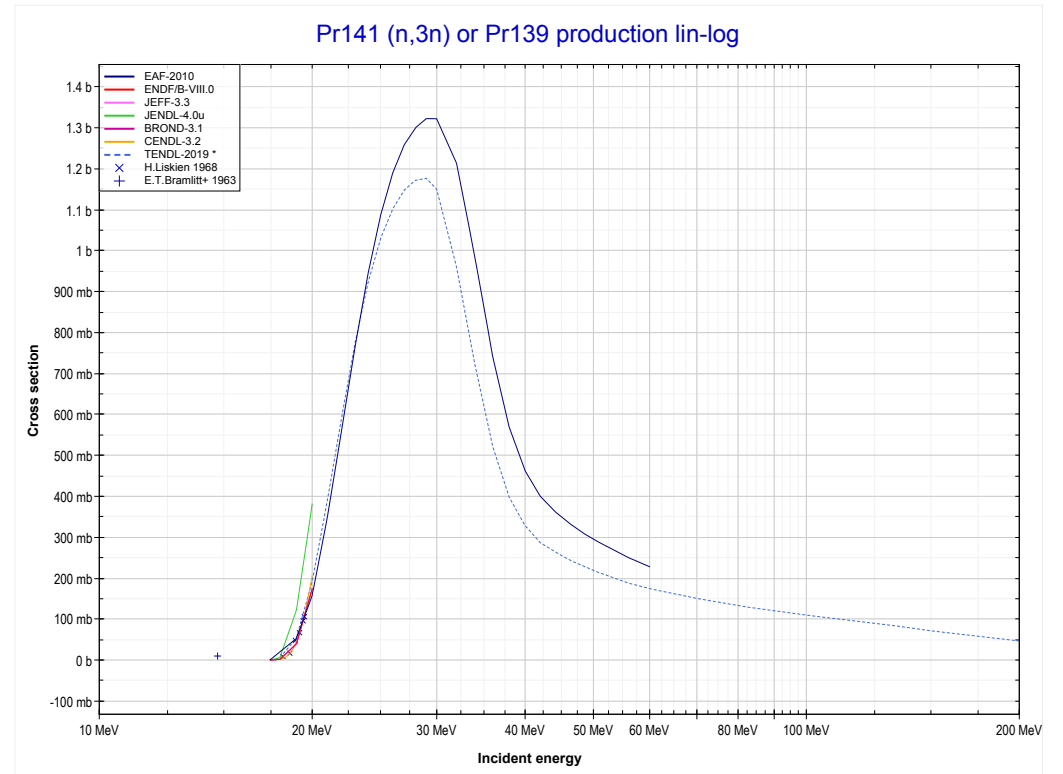
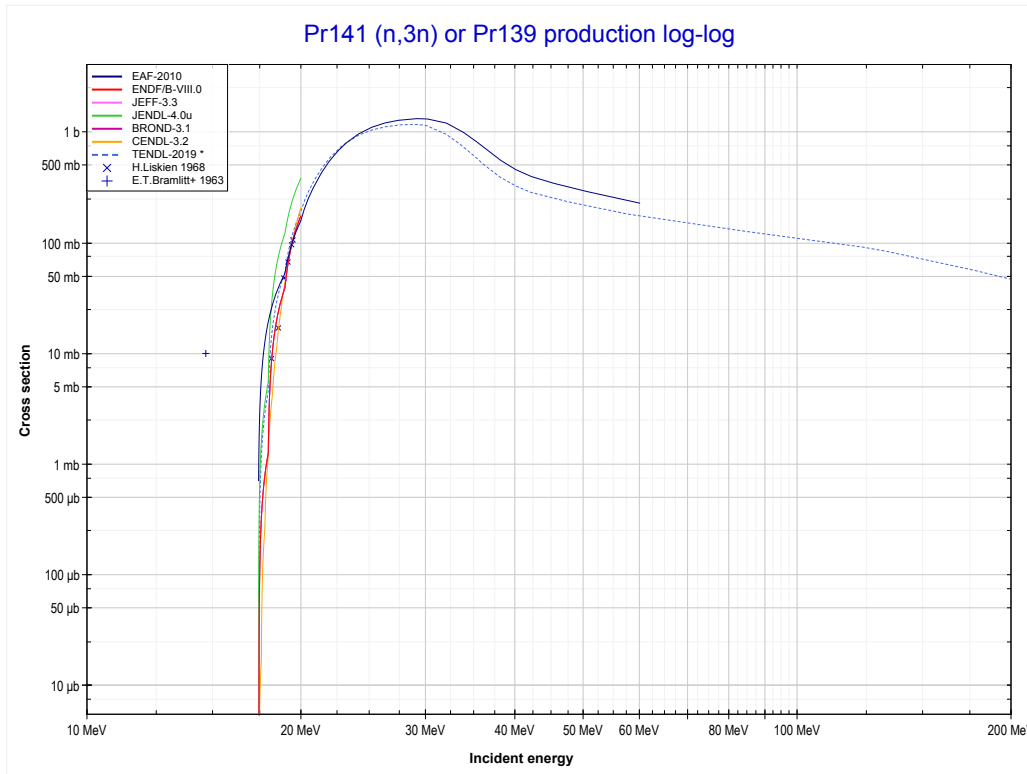
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39508 b | 0.747409 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39508 b | 0.747409 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.35397 b | 0.195958 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39508 b | 0.747409 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49807 b | 0.52724 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47054 b | 0.531926 b |

| | | |
|---------------|--|----------------|
| << 58-Ce-142 | 59-Pr-141 | 60-Nd-142 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pr140 production) | MT17 (n,3n) >> |



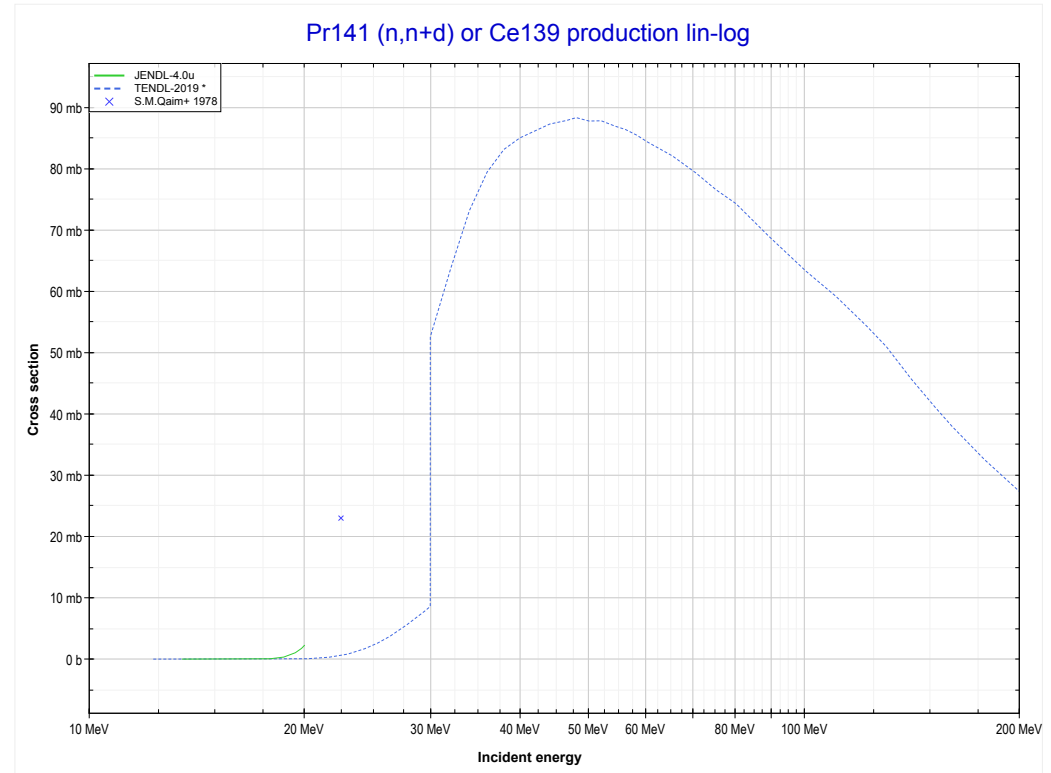
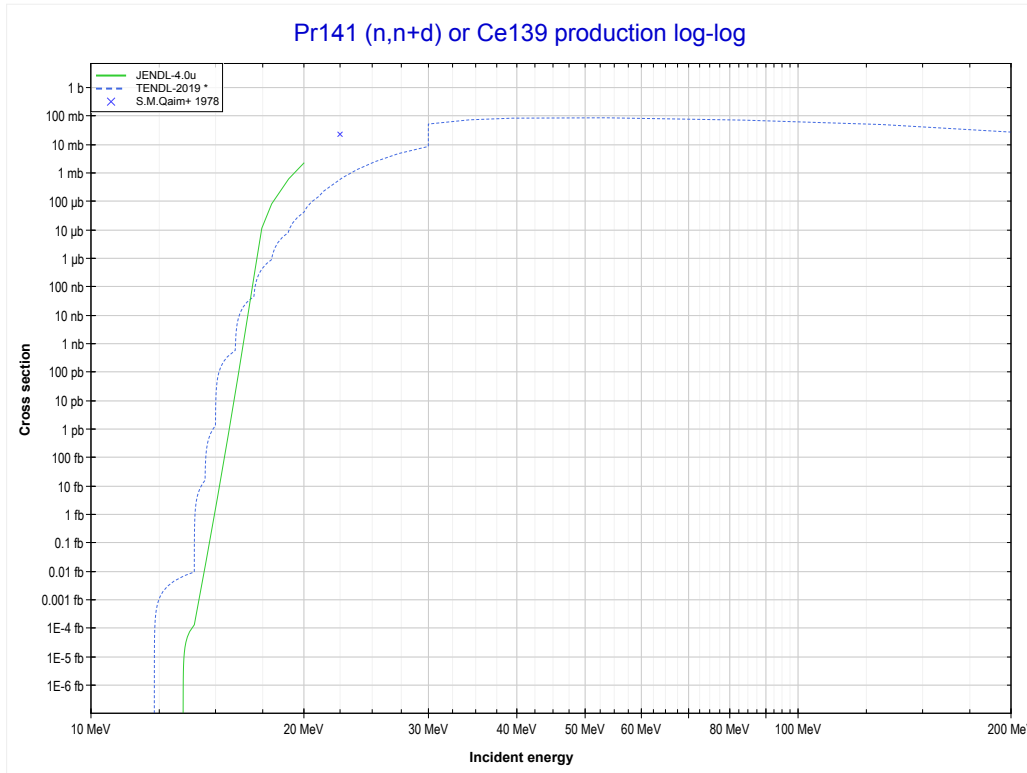
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152165 b | 1.51606 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00102226 b | 1.39228 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00102226 b | 1.39228 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00172635 b | 1.72 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00102226 b | 1.39228 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00129026 b | 1.5779 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00161779 b | 1.62417 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00162697 b | 1.62417 b |

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|----------------|--|-----------------|
| << 55-Cs-133 | 59-Pr-141 | 60-Nd-146 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Pr139 production) | MT32 (n,n+d) >> |



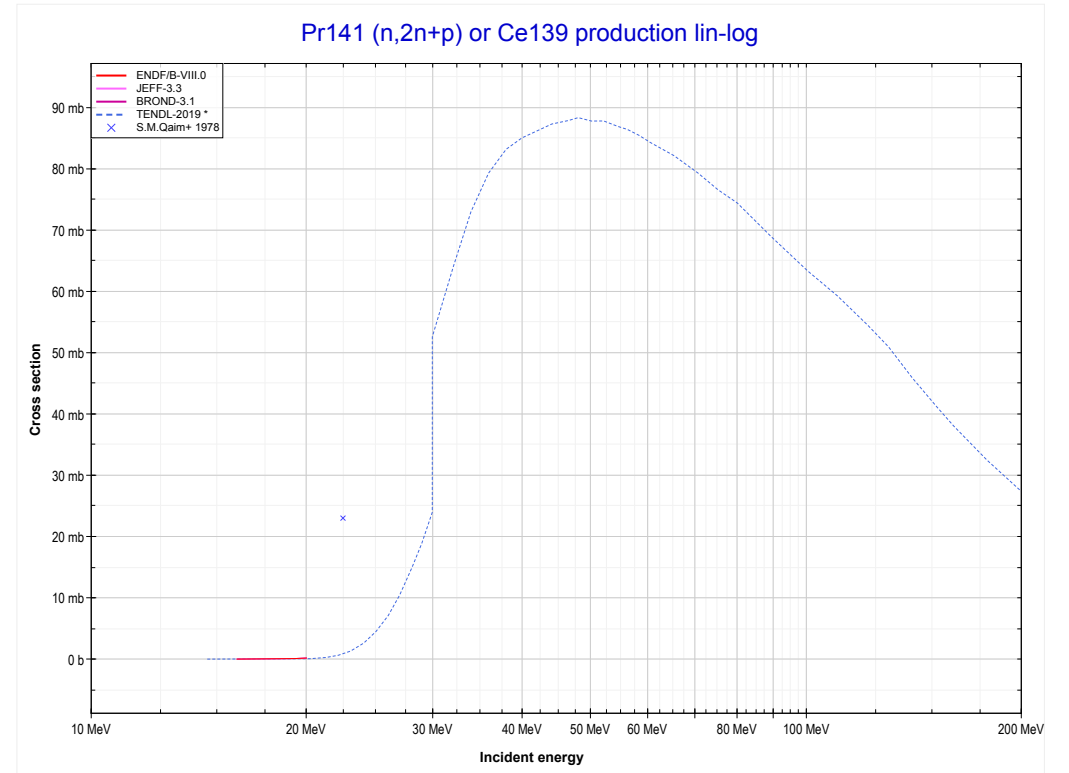
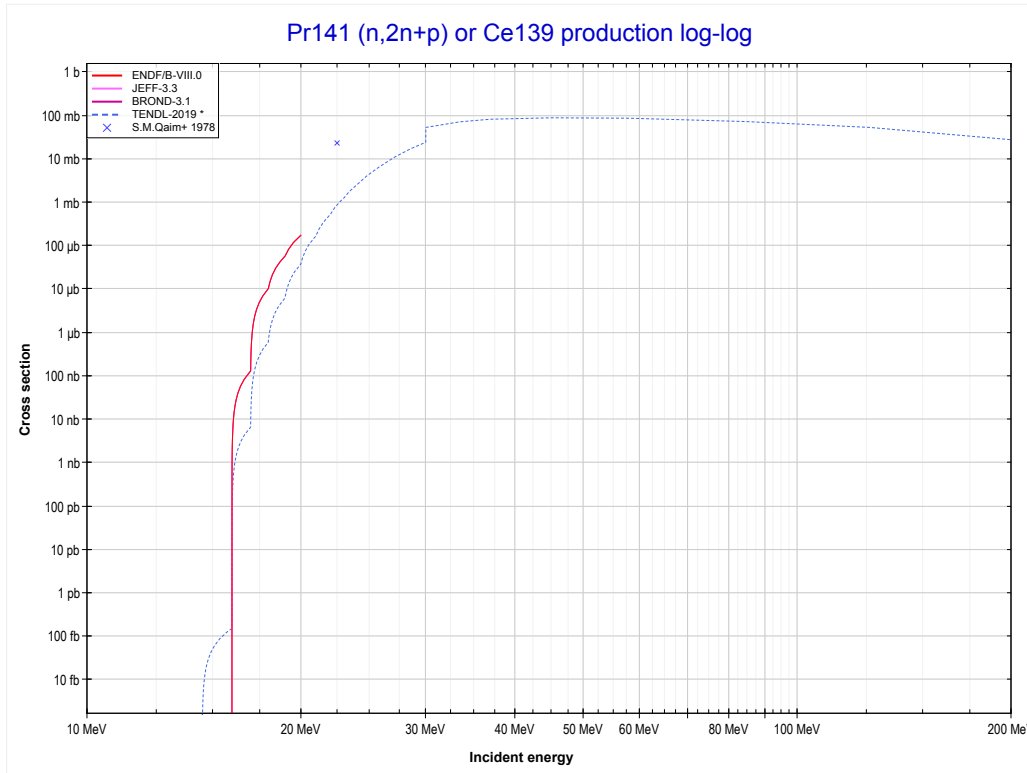
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2049E-7 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35484E-7 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35484E-7 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.17965E-7 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35484E-7 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30049E-7 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98864E-7 b | 0 b |

| | | |
|----------------|---|------------------|
| << 56-Ba-134 | 59-Pr-141 | 66-Dy-162 >> |
| << MT17 (n,3n) | MT32 (n,n+d) or MT5 (Ce139 production) | MT41 (n,2n+p) >> |



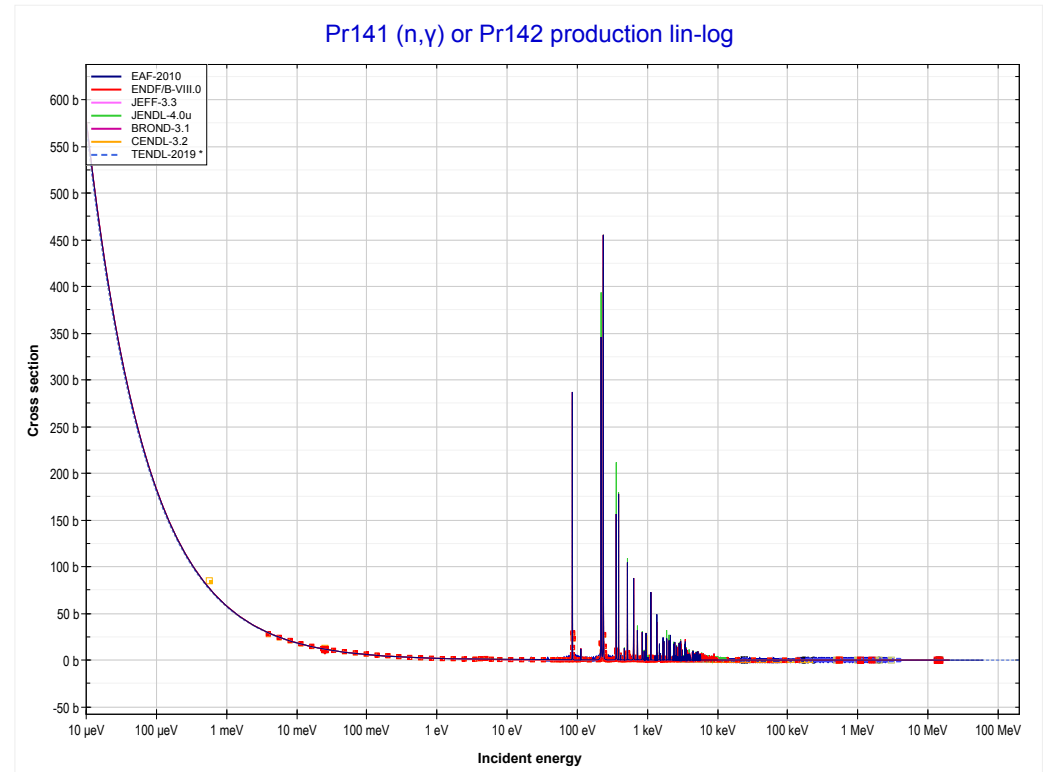
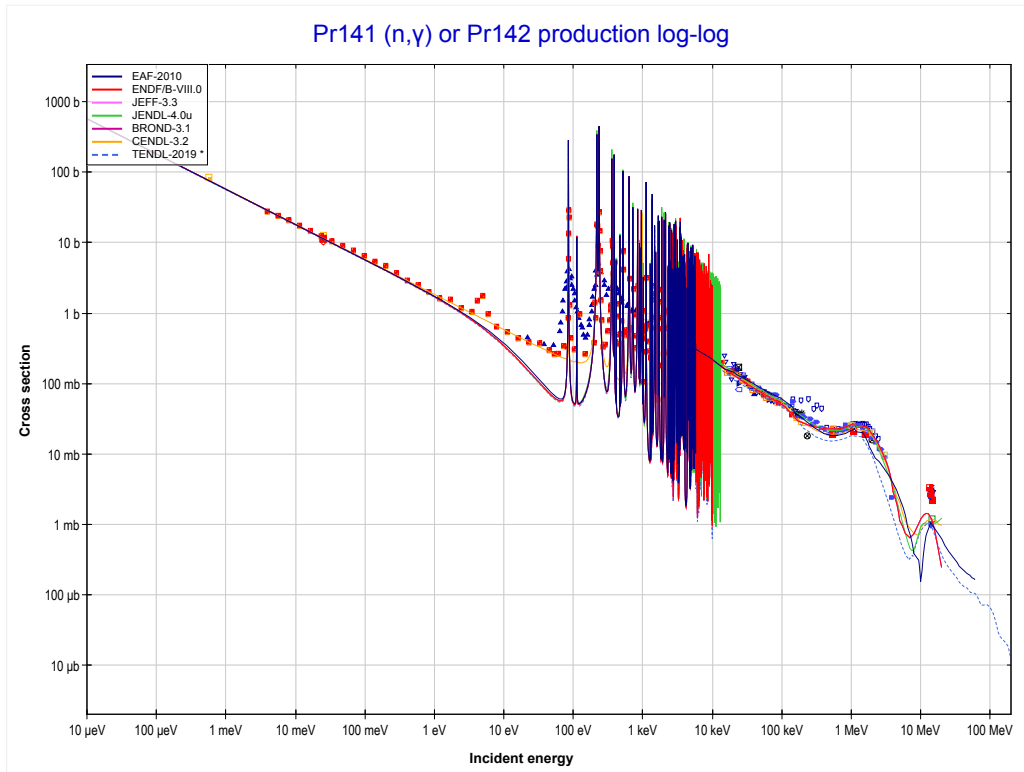
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.91177E-9 b | 1.3129E-19 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.66601E-11 b | 9.4984E-18 b |

| | | |
|-----------------|--|-------------------------|
| << 56-Ba-134 | 59-Pr-141 | 66-Dy-162 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Ce139 production) | MT102 (n, γ) >> |



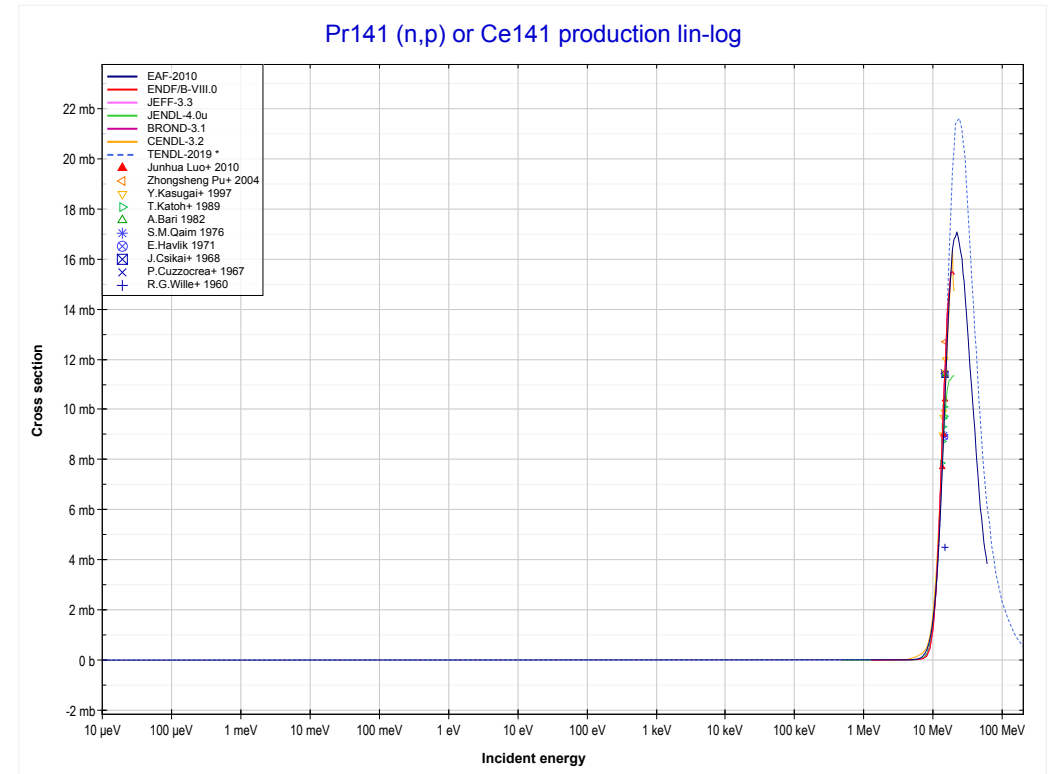
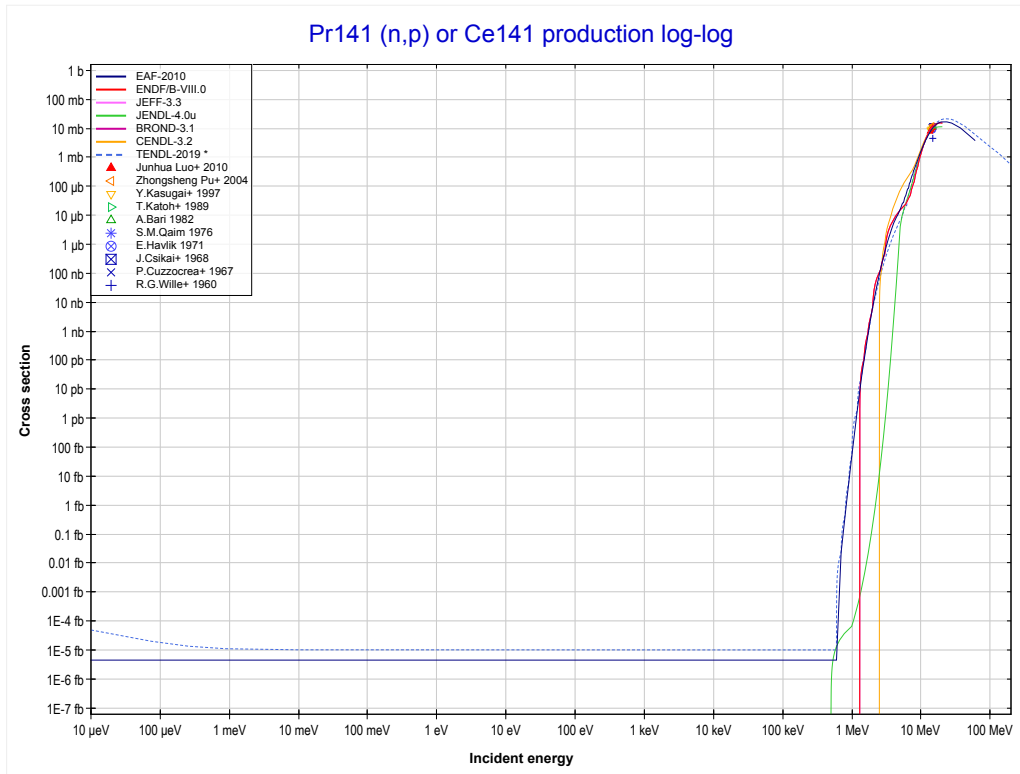
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.24111E-10 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.24111E-10 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.24111E-10 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.67737E-11 b | 0 b |

| | | |
|------------------|--|----------------|
| << 58-Ce-144 | 59-Pr-141 | 59-Pr-142 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Pr142 production) | MT103 (n,p) >> |



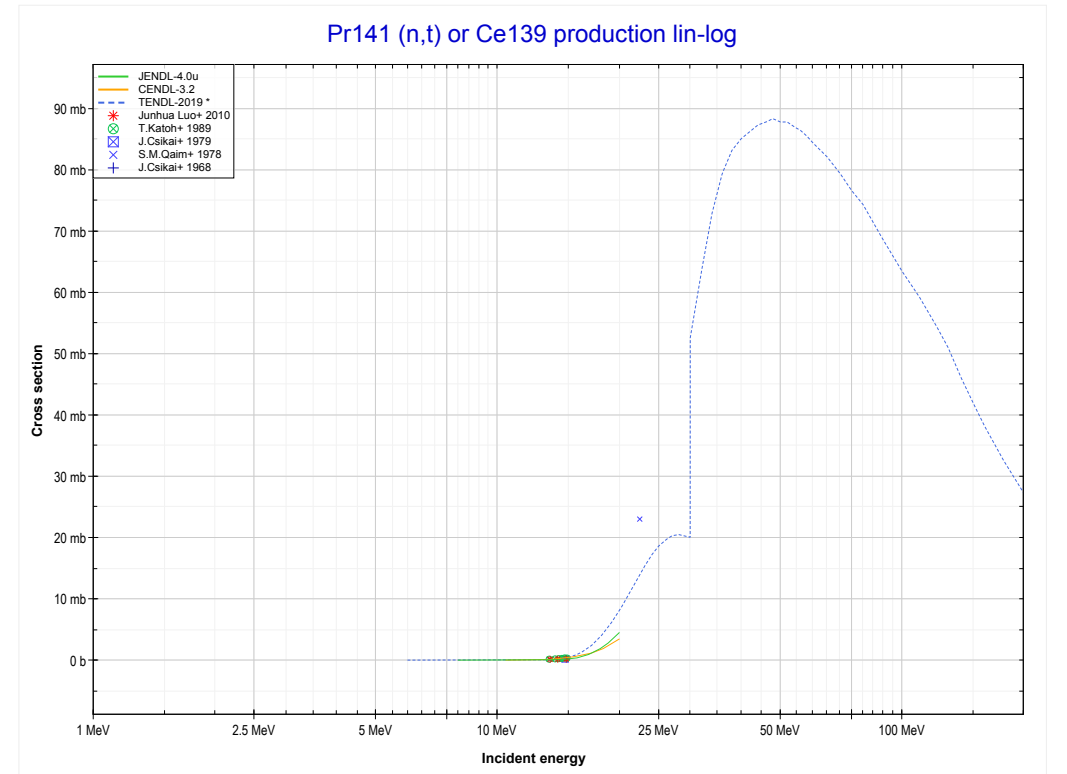
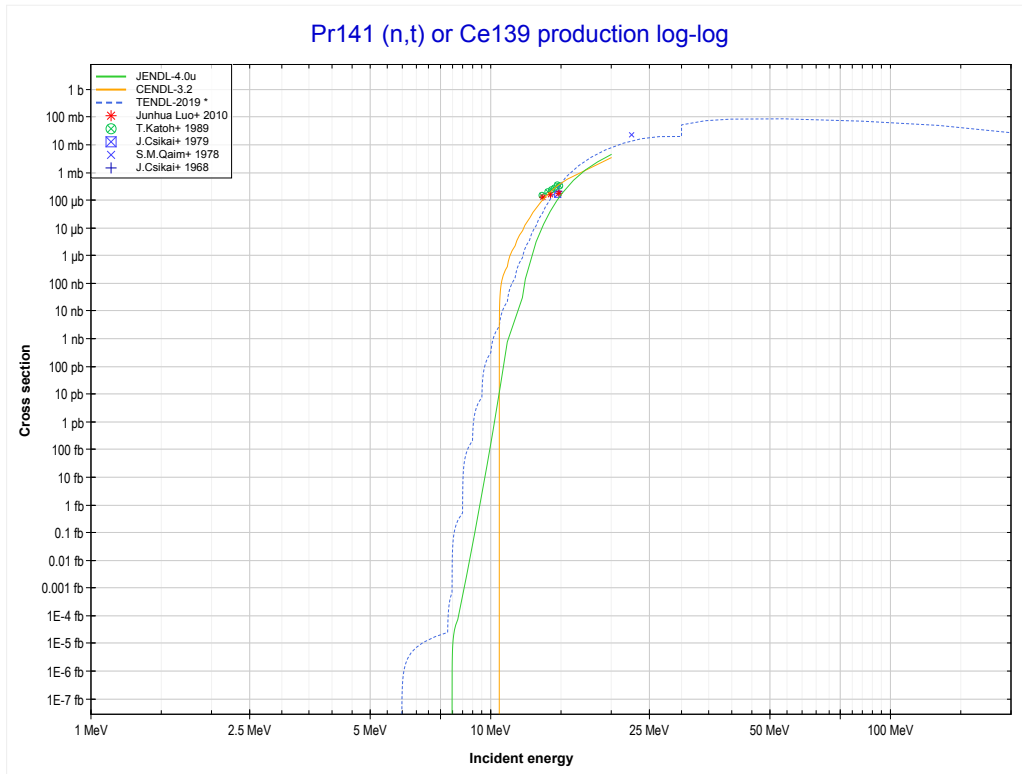
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.492 b | 11.4834 b | 11.474 b | 0.99919 | 17.8588 b | 0.0154744 b | 0.00104968 b |
| ENDF/B-VIII.0 | 11.5084 b | 11.5084 b | 11.504 b | 0.99961 | 17.7665 b | 0.0189984 b | 0.00123836 b |
| JEFF-3.3 | 11.5084 b | 11.5084 b | 11.504 b | 0.99961 | 17.7665 b | 0.0189984 b | 0.00123836 b |
| JENDL-4.0u | 11.4789 b | 11.4789 b | 11.475 b | 0.99967 | 18.2848 b | 0.0185696 b | 0.00100174 b |
| BROND-3.1 | 11.5084 b | 11.5084 b | 11.504 b | 0.99961 | 17.7665 b | 0.0189984 b | 0.00123836 b |
| CENDL-3.2 | 11.5051 b | 11.5051 b | 11.506 b | 1.00006 | 17.434 b | 0.0171414 b | 0.0011782 b |
| TENDL-2019 | 11.2951 b | 11.2951 b | 11.286 b | 0.99921 | 16.8551 b | 0.0123193 b | 9.42391E-4 b |

| | | |
|-------------------------|--|----------------|
| << 58-Ce-142 | 59-Pr-141 | 60-Nd-142 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ce141 production) | MT105 (n,t) >> |



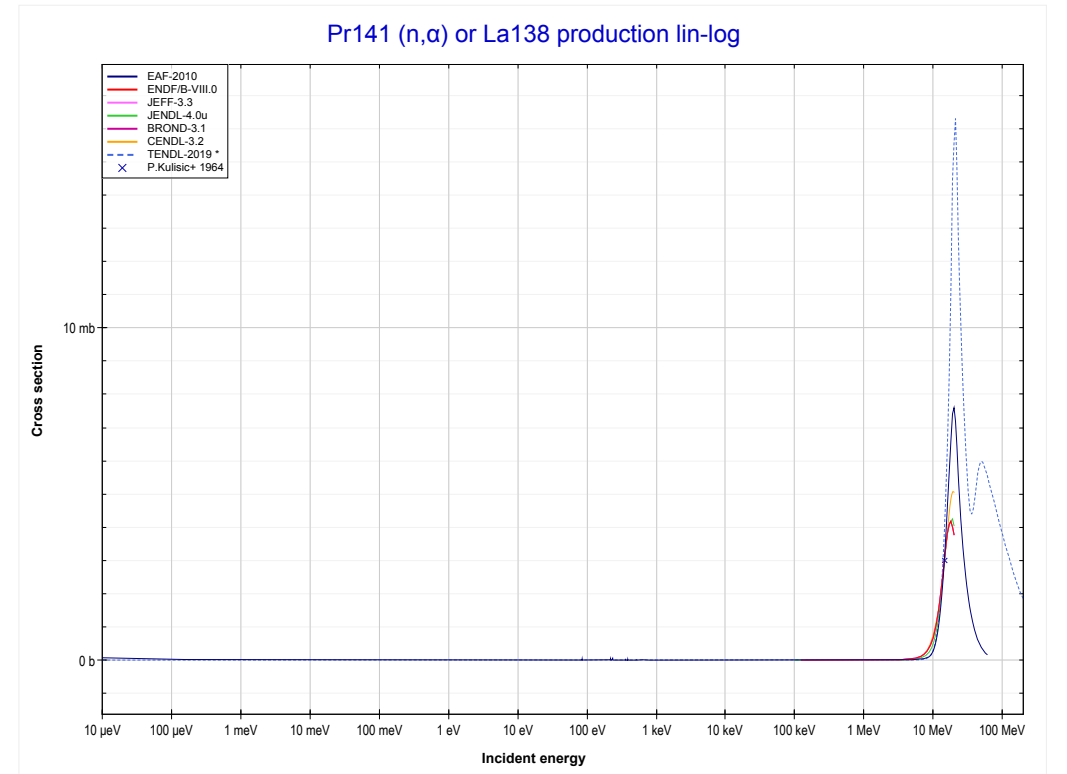
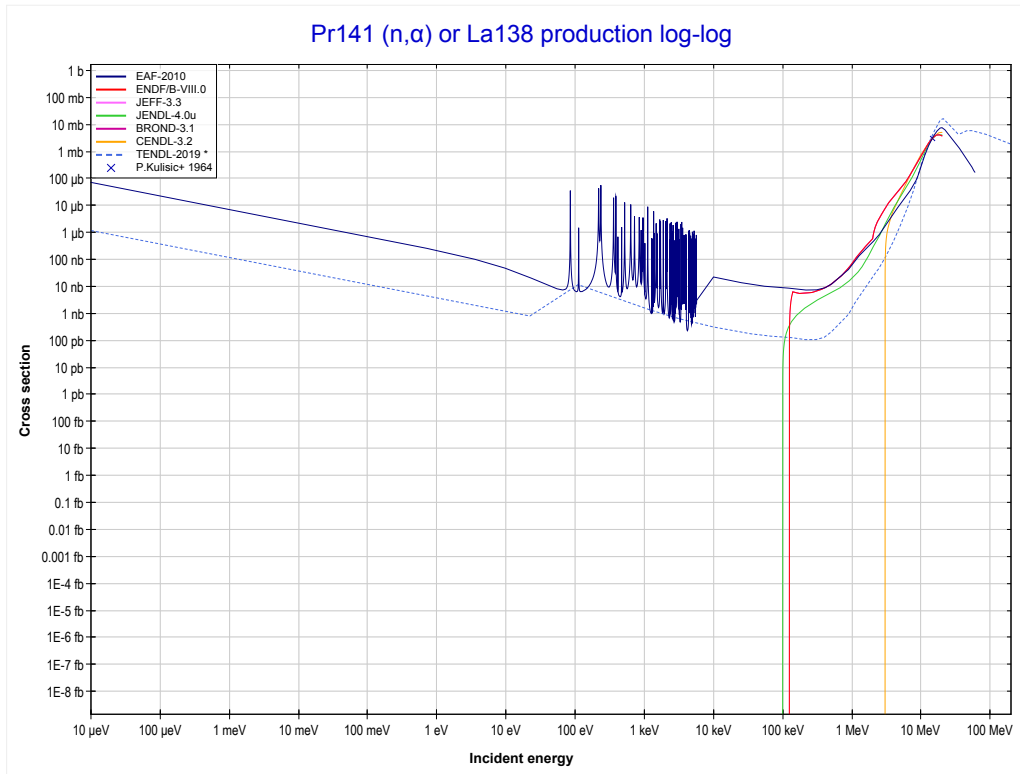
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.45506E-21 b | 4.45506E-21 b | 5.0267E-21 b | 0 | 5.43869E-20 b | 1.67342E-5 b | 0.00867774 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33754E-5 b | 0.0100007 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33754E-5 b | 0.0100007 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.29725E-5 b | 0.00876555 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33754E-5 b | 0.0100007 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.60409E-5 b | 0.0089862 b |
| TENDL-2019 | 1.0036E-20 b | 1.0036E-20 b | 1.1325E-20 b | 1.12843 | 1.22073E-19 b | 1.35601E-5 b | 0.00909511 b |

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|----------------|--|-------------------------|
| << 57-La-139 | 59-Pr-141 | 66-Dy-162 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Ce139 production) | MT107 (n, α) >> |



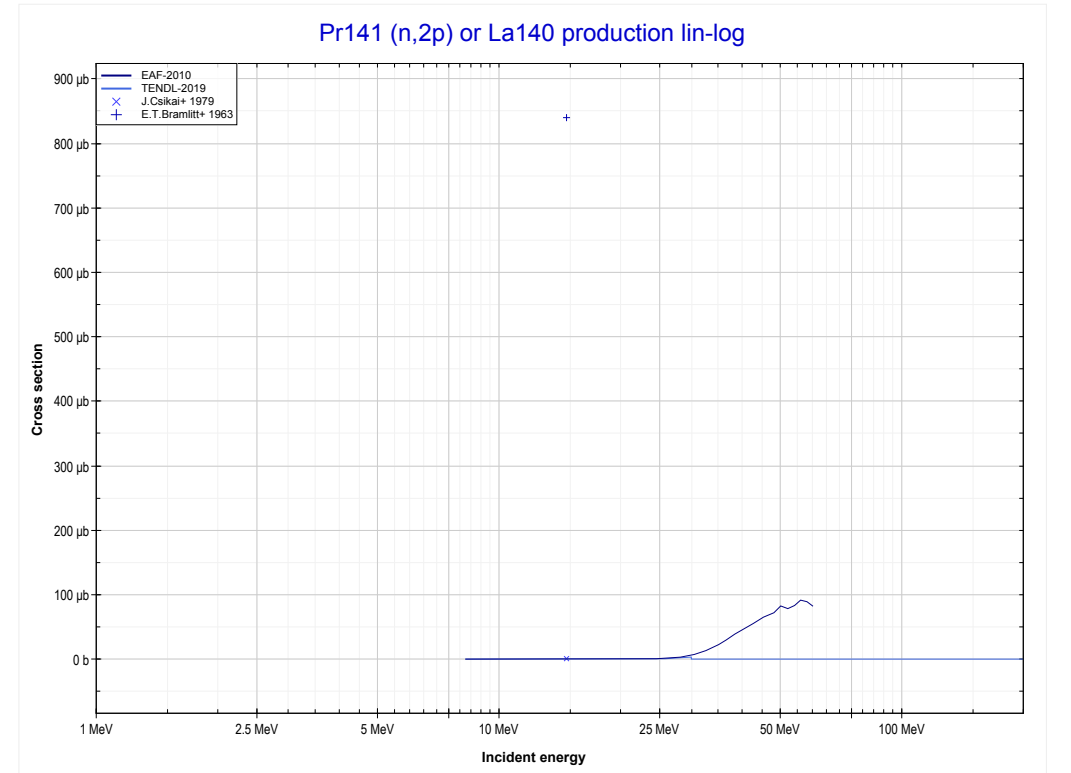
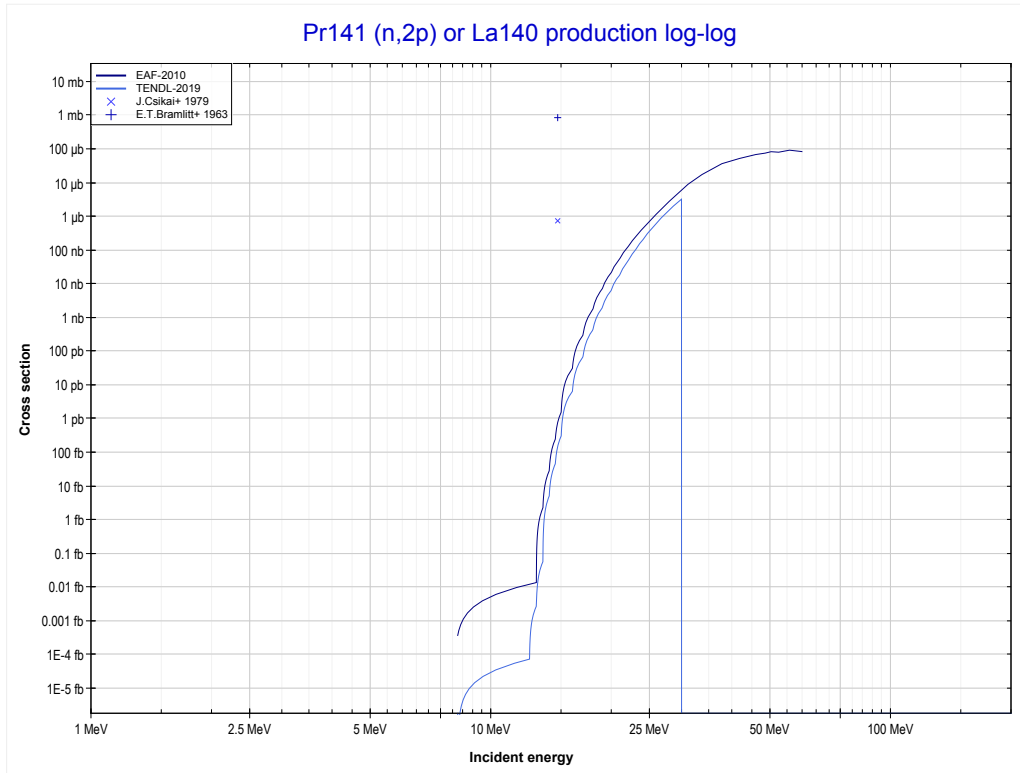
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.99676E-8 b | 3.44614E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.78399E-8 b | 1.8279E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12684E-7 b | 9.15007E-5 b |

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|----------------|--|-----------------|
| << 58-Ce-142 | 59-Pr-141 | 60-Nd-142 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (La138 production) | MT111 (n,2p) >> |



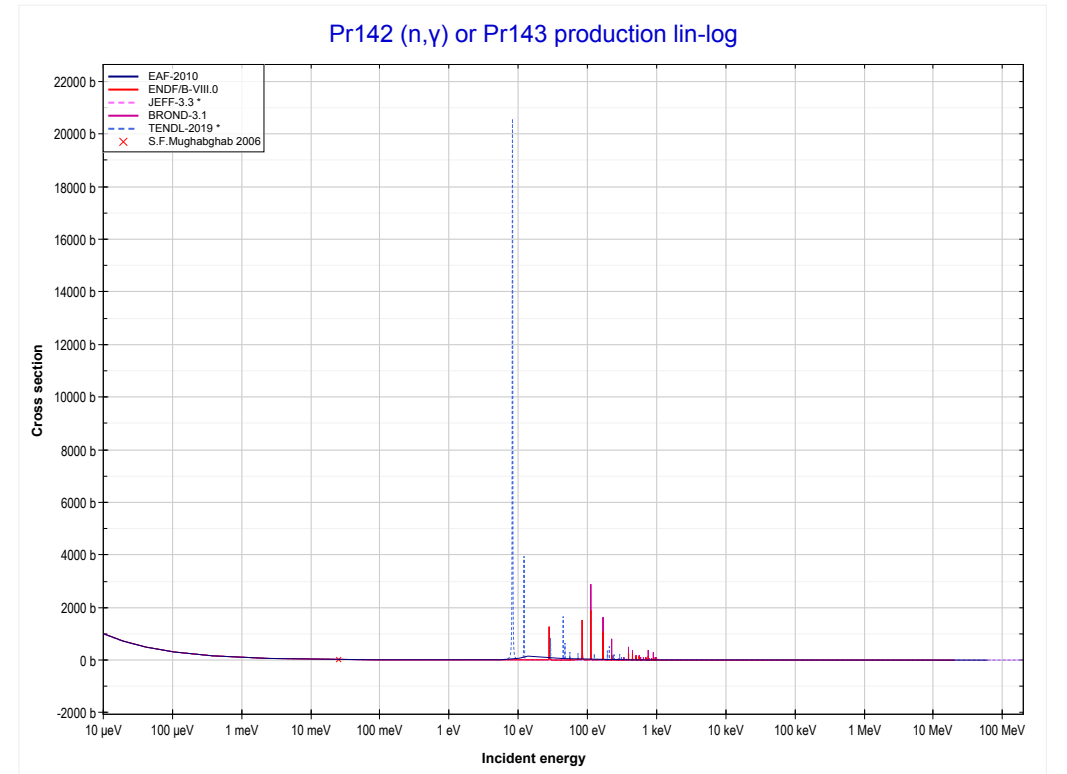
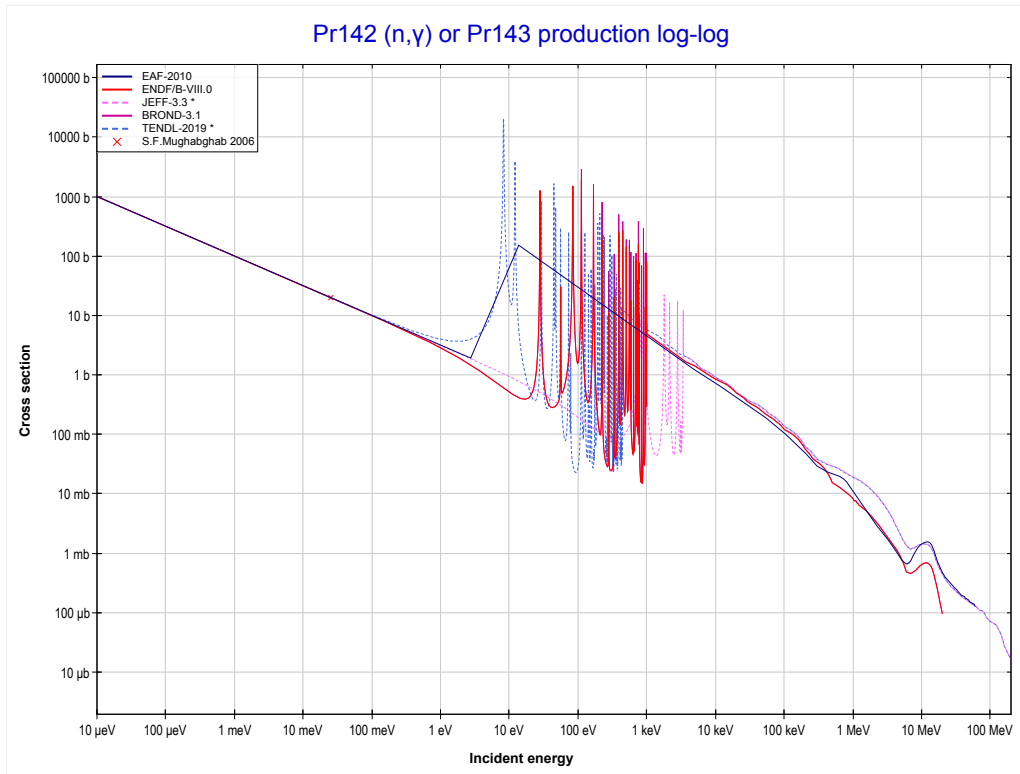
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.41E-6 b | 1.40894E-6 b | 1.4078E-6 b | 0.99919 | 2.17543E-6 b | 4.63608E-6 b | 0.00252925 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30774E-5 b | 0.00270219 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30774E-5 b | 0.00270219 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 5.88578E-28 b | 7.6672E-6 b | 0.00267342 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.30774E-5 b | 0.00270219 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.00857E-5 b | 0.0025912 b |
| TENDL-2019 | 2.33333E-8 b | 2.33333E-8 b | 2.3318E-8 b | 0.99933 | 2.87109E-8 b | 3.39009E-6 b | 0.00316648 b |

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|-------------------------|---|-----------------------------------|
| << 57-La-139 | 59-Pr-141 | 65-Tb-159 >> |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (La140 production) | 59-Pr-142 MT102 (n, γ) >> |



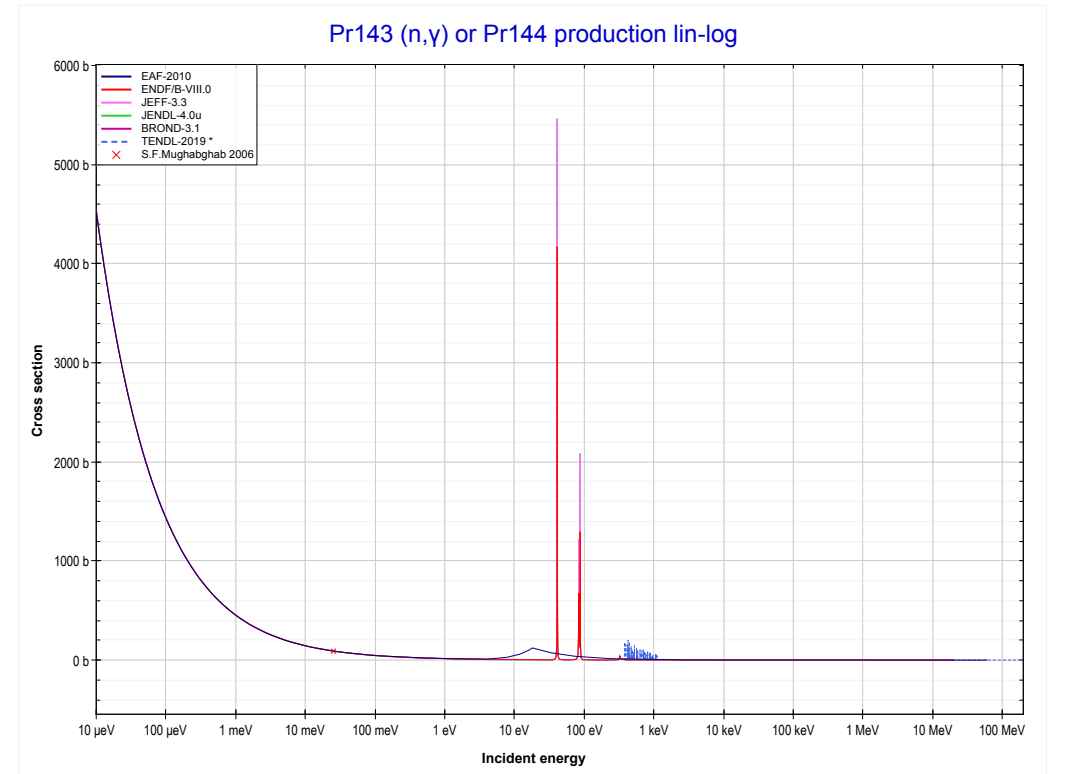
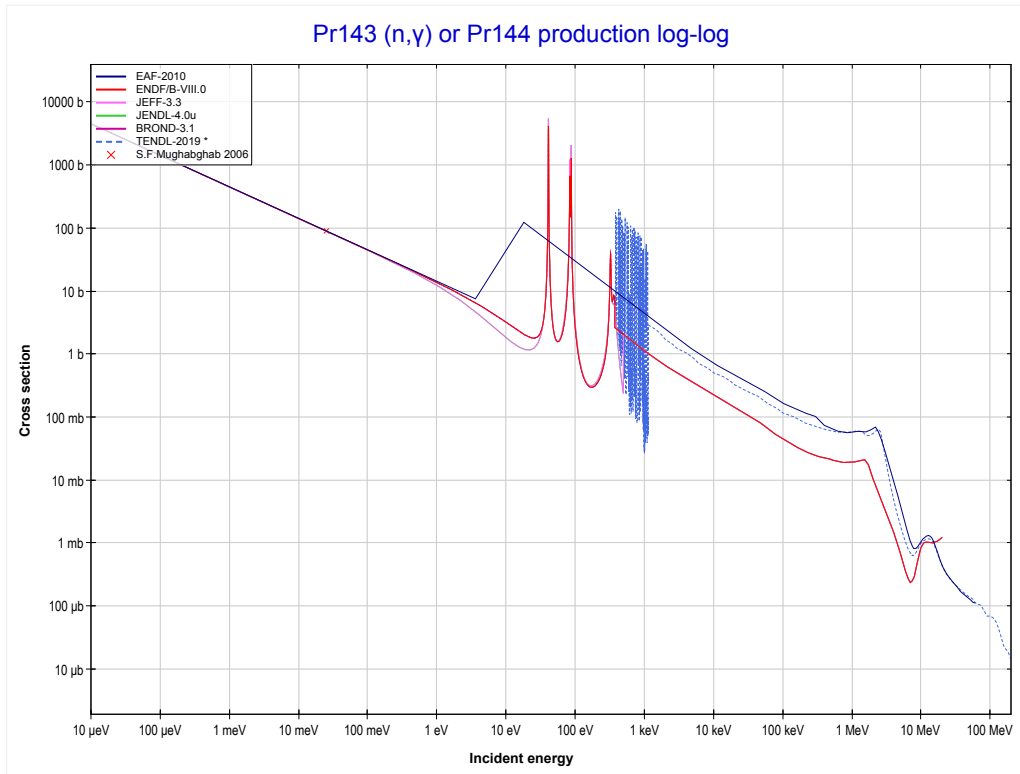
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26235E-14 b | 5.0219E-15 b |

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|---------------------------|--|-----------------------------------|
| << 59-Pr-141 | 59-Pr-142 | 59-Pr-143 >> |
| << 59-Pr-141 MT111 (n,2p) | MT102 (n,γ) or MT5 (Pr143 production) | 59-Pr-143 MT102 (n, γ) >> |



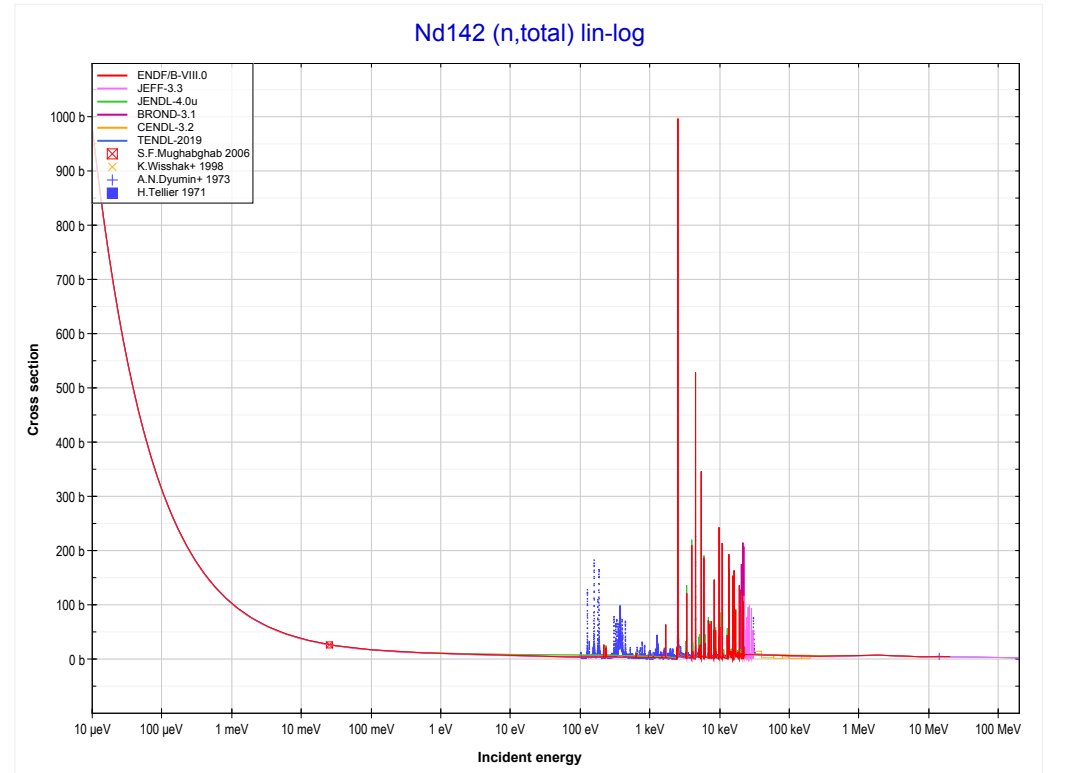
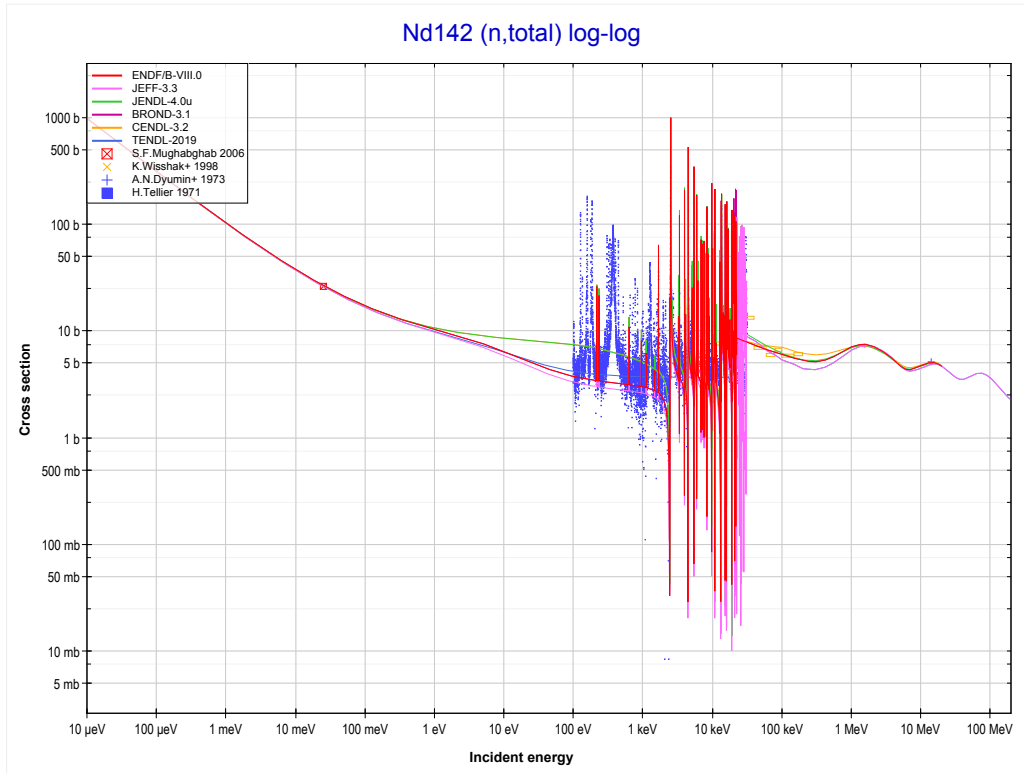
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20 b | 19.985 b | 19.986 b | 1.00004 | 247.456 b | 0.0134853 b | 0.00137835 b |
| ENDF/B-VIII.0 | 20.0113 b | 20.0113 b | 19.991 b | 0.99901 | 82.1978 b | 0.0136572 b | 5.79261E-4 b |
| JEFF-3.3 | 19.8682 b | 19.8682 b | 19.873 b | 1.00025 | 14.1198 b | 0.0213276 b | 0.00117446 b |
| BROND-3.1 | 20.0113 b | 20.0113 b | 19.991 b | 0.99901 | 82.2012 b | 0.0136572 b | 5.79261E-4 b |
| TENDL-2019 | 19.9138 b | 19.9138 b | 19.97 b | 1.00281 | 720.024 b | 0.0212456 b | 0.00117367 b |

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|-----------------------------------|--|----------------------------|
| << 59-Pr-142 | 59-Pr-143 | 60-Nd-142 >> |
| << 59-Pr-142 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pr144 production) | 60-Nd-142 MT1 (n,total) >> |



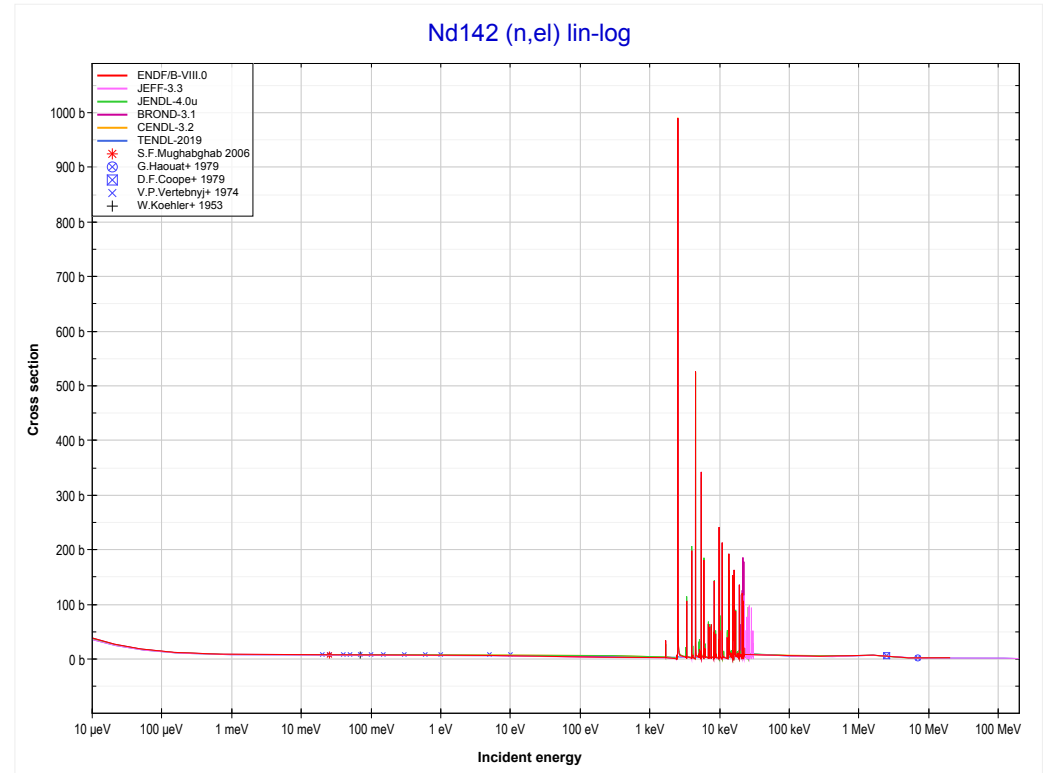
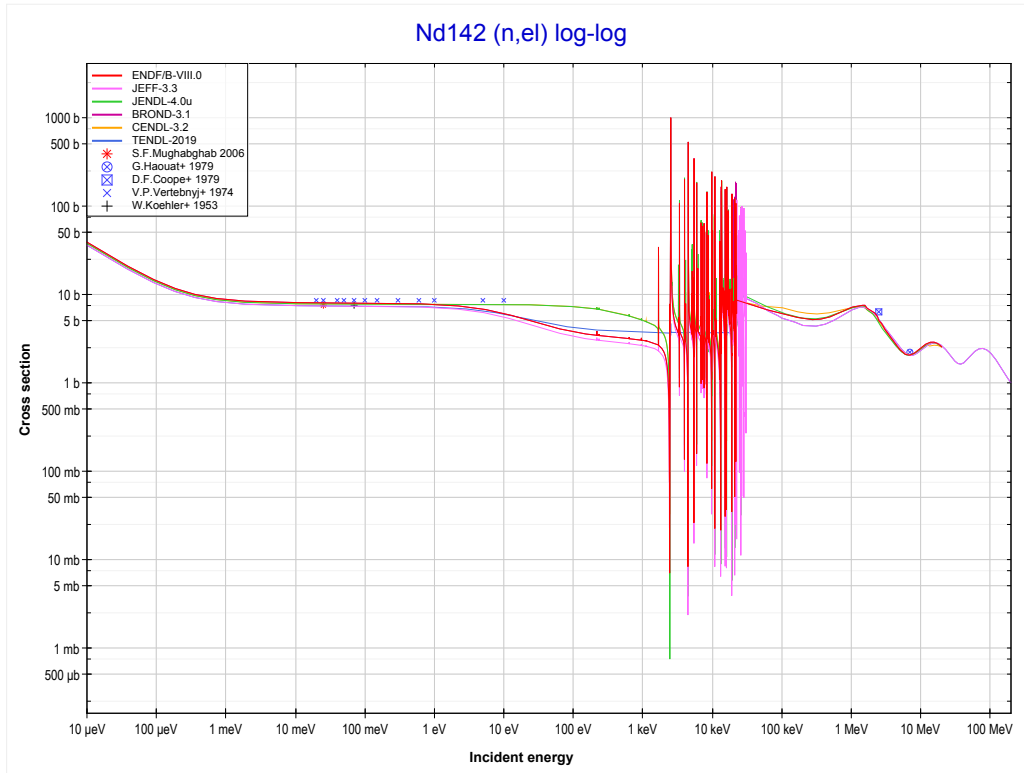
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 90 b | 89.9325 b | 89.936 b | 1.00004 | 241.278 b | 0.0555912 b | 0.00124569 b |
| ENDF/B-VIII.0 | 89.8821 b | 89.8821 b | 89.872 b | 0.99988 | 131.512 b | 0.0146029 b | 0.0010003 b |
| JEFF-3.3 | 90.0544 b | 90.0544 b | 89.905 b | 0.99834 | 157.192 b | 0.0145996 b | 0.0010003 b |
| JENDL-4.0u | 90.0544 b | 90.0544 b | 89.905 b | 0.99834 | 157.192 b | 0.0145996 b | 0.0010003 b |
| BROND-3.1 | 89.8821 b | 89.8821 b | 89.872 b | 0.99988 | 131.512 b | 0.0146029 b | 0.0010003 b |
| TENDL-2019 | 90.0022 b | 90.0022 b | 89.957 b | 0.9995 | 159.825 b | 0.0494029 b | 0.00110523 b |

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|-----------------------------------|----------------------|--------------------|
| << 59-Pr-141 | 60-Nd-142 | 60-Nd-143 >> |
| << 59-Pr-143 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



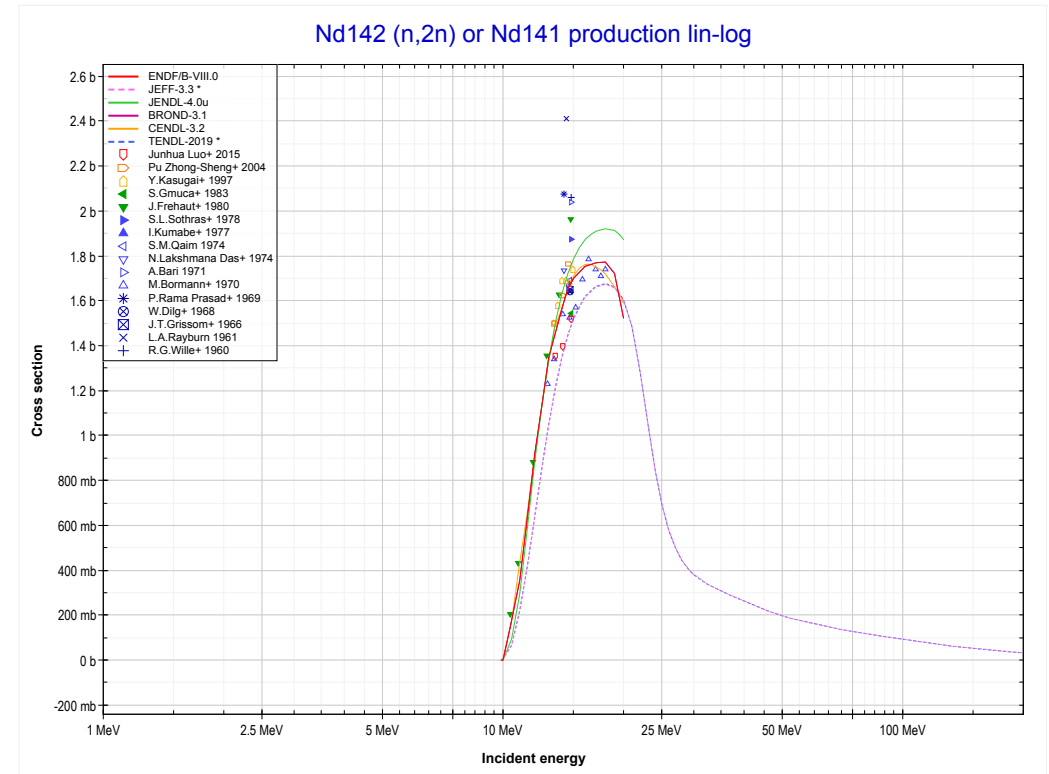
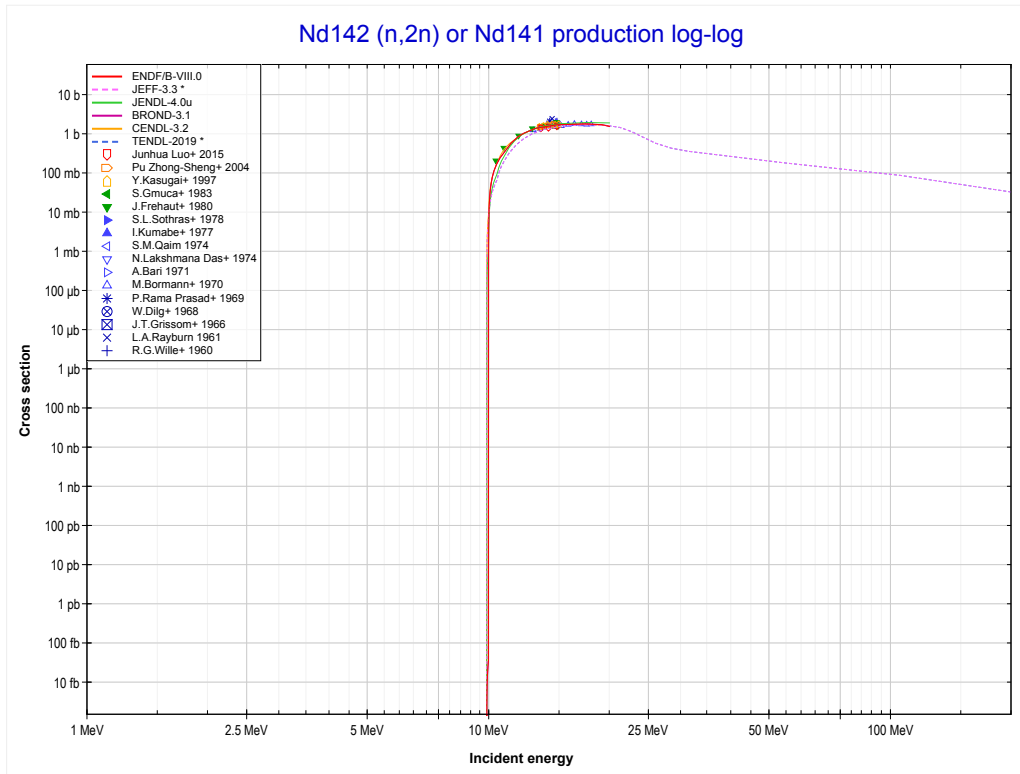
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 26.6609 b | 26.6609 b | 27.658 b | 1.0374 | 80.9366 b | 6.39674 b | 5.05901 b |
| JEFF-3.3 | 26.0432 b | 26.0432 b | 26.959 b | 1.03519 | 75.8939 b | 6.11648 b | 4.87271 b |
| JENDL-4.0u | 26.4194 b | 26.4194 b | 27.417 b | 1.03775 | 101.169 b | 6.31617 b | 4.99798 b |
| BROND-3.1 | 26.6609 b | 26.6609 b | 27.658 b | 1.0374 | 80.9364 b | 6.39674 b | 5.05901 b |
| CENDL-3.2 | 26.4275 b | 26.4275 b | 27.42 b | 1.03757 | 100.851 b | 6.48788 b | 5.1116 b |
| TENDL-2019 | 26.0522 b | 26.0522 b | 26.968 b | 1.03514 | 69.3062 b | 6.10926 b | 4.8727 b |

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|------------------|------------------------|----------------|
| << 59-Pr-141 | 60-Nd-142 | 60-Nd-143 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



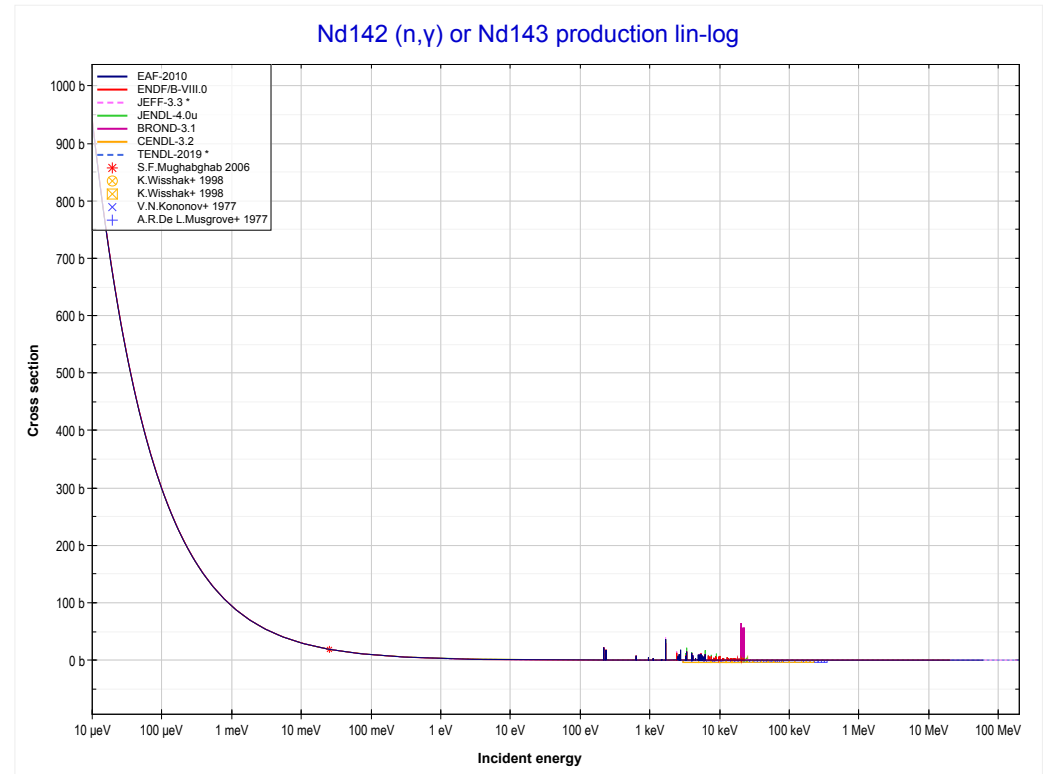
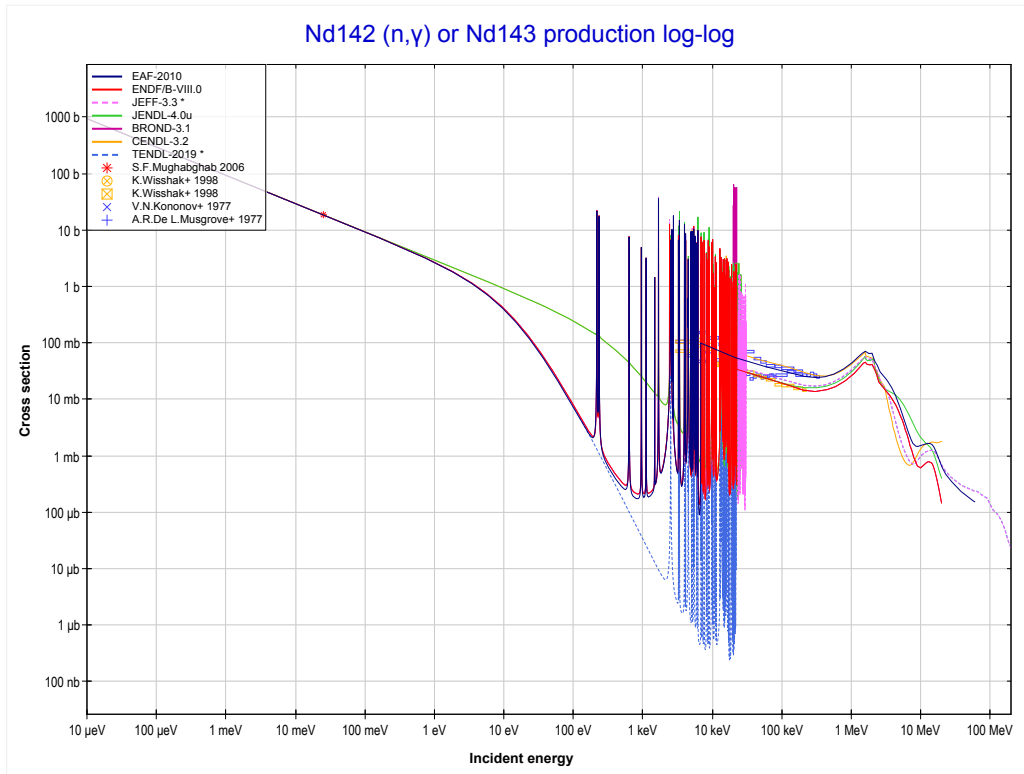
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.96287 b | 7.96287 b | 8.9764 b | 1.12728 | 74.8119 b | 5.54319 b | 2.86013 b |
| JEFF-3.3 | 7.3421 b | 7.3421 b | 8.2762 b | 1.12723 | 69.754 b | 5.27901 b | 2.7493 b |
| JENDL-4.0u | 7.71528 b | 7.71528 b | 8.7056 b | 1.12836 | 92.6893 b | 5.38466 b | 2.77382 b |
| BROND-3.1 | 7.96287 b | 7.96287 b | 8.9764 b | 1.12728 | 74.8117 b | 5.54319 b | 2.86013 b |
| CENDL-3.2 | 7.72731 b | 7.72731 b | 8.7197 b | 1.12842 | 92.386 b | 5.56947 b | 2.62046 b |
| TENDL-2019 | 7.35785 b | 7.35785 b | 8.2965 b | 1.12758 | 63.5883 b | 5.27321 b | 2.7493 b |

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|--------------------|--|-------------------------|
| << 59-Pr-141 | 60-Nd-142 | 60-Nd-144 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Nd141 production) | MT102 (n, γ) >> |



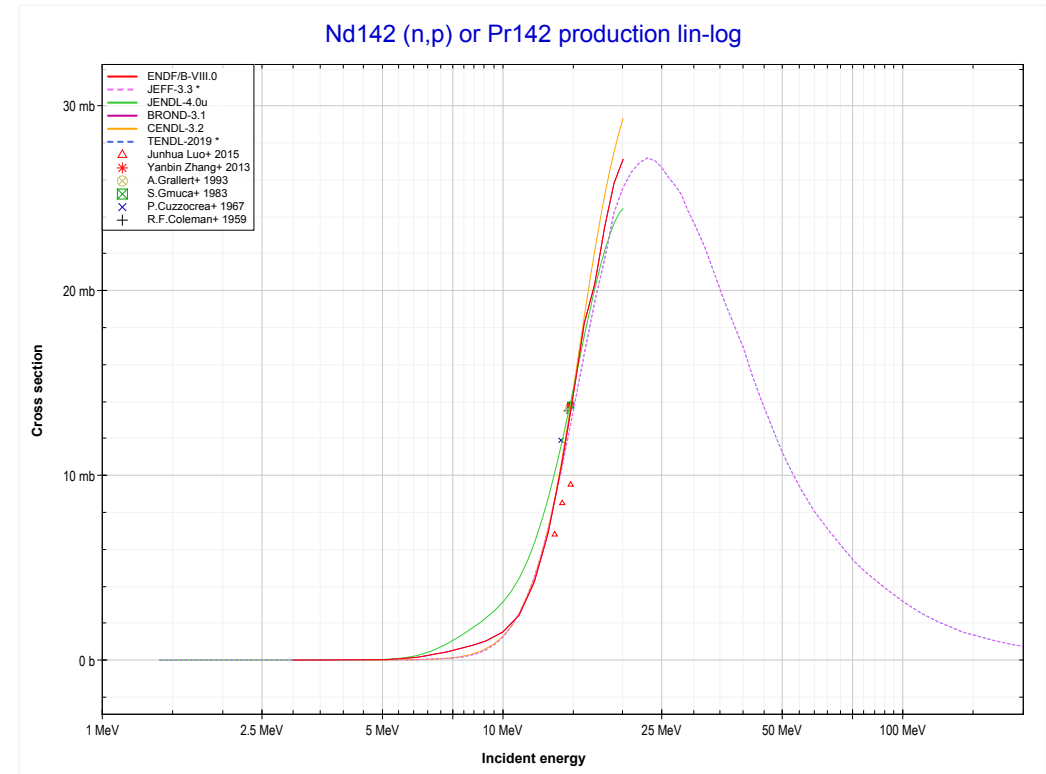
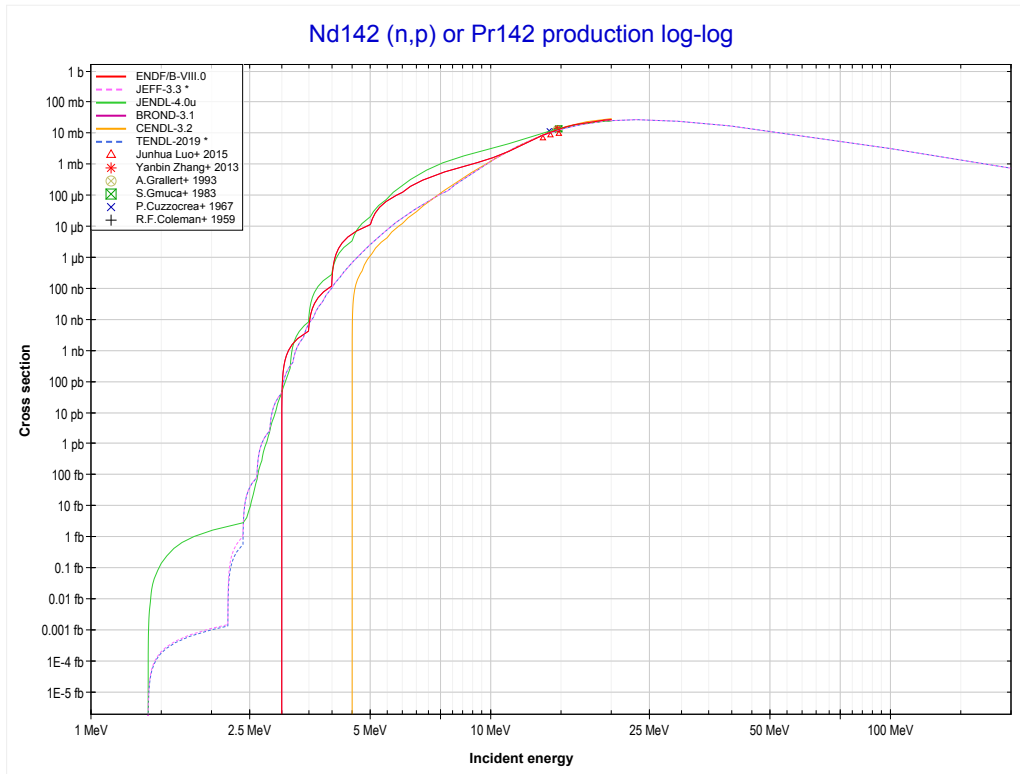
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00110229 b | 1.55942 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.00892E-4 b | 1.33985 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00103798 b | 1.62471 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00110229 b | 1.55942 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00113793 b | 1.56 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.04091E-4 b | 1.34376 b |

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|----------------|--|----------------|
| << 59-Pr-143 | 60-Nd-142 | 60-Nd-143 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Nd143 production) | MT103 (n,p) >> |



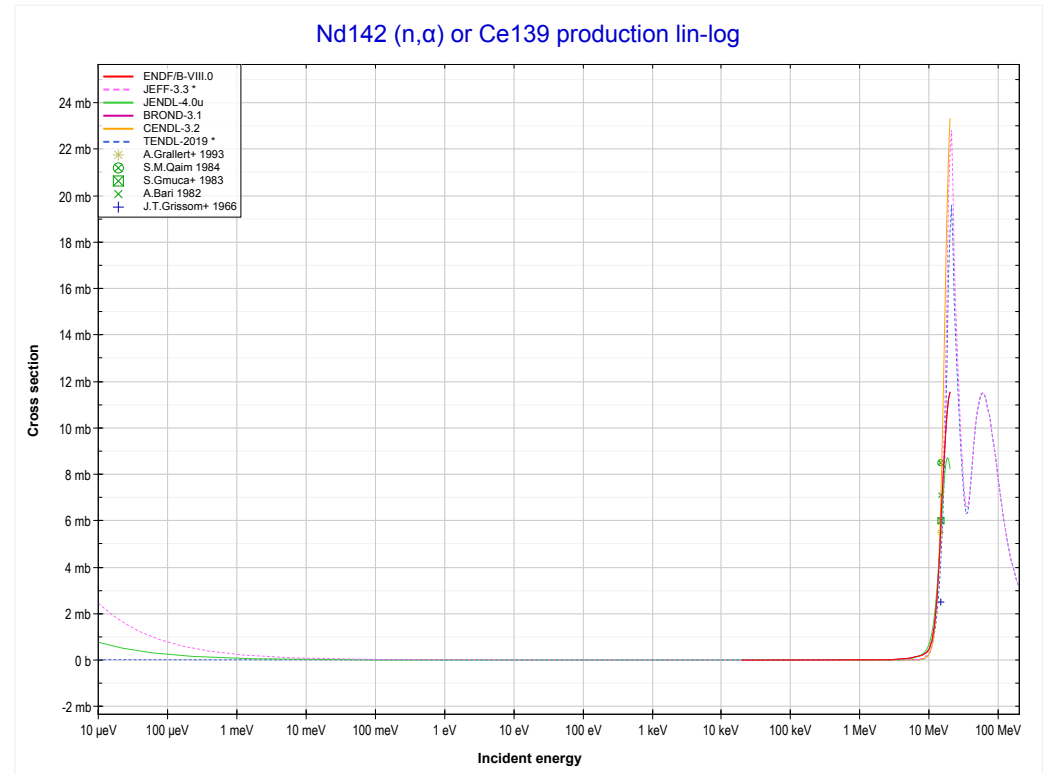
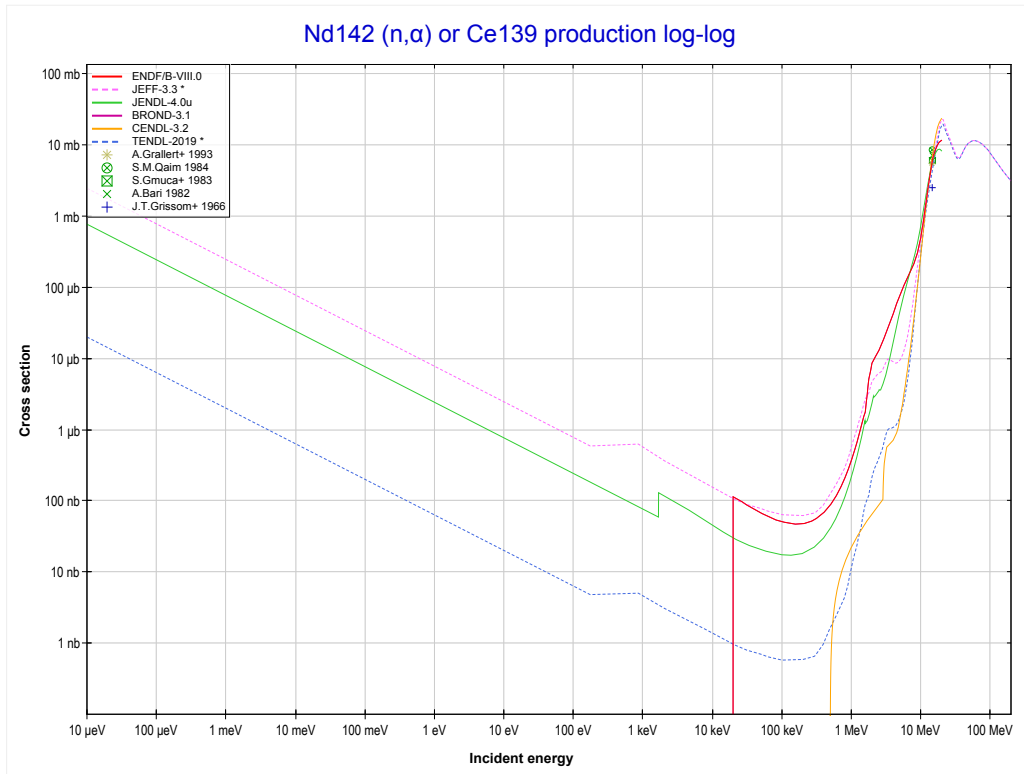
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.652 b | 18.6379 b | 18.609 b | 0.99845 | 6.1063 b | 0.0373123 b | 0.00163152 b |
| ENDF/B-VIII.0 | 18.698 b | 18.698 b | 18.682 b | 0.99913 | 6.12471 b | 0.0231079 b | 7.66987E-4 b |
| JEFF-3.3 | 18.701 b | 18.701 b | 18.683 b | 0.99905 | 6.1399 b | 0.0281009 b | 0.00125853 b |
| JENDL-4.0u | 18.7041 b | 18.7041 b | 18.711 b | 1.00038 | 8.47923 b | 0.0273184 b | 0.00138074 b |
| BROND-3.1 | 18.698 b | 18.698 b | 18.682 b | 0.99913 | 6.12472 b | 0.023108 b | 7.66987E-4 b |
| CENDL-3.2 | 18.7002 b | 18.7002 b | 18.701 b | 1.00003 | 8.4596 b | 0.0325039 b | 0.0017282 b |
| TENDL-2019 | 18.6944 b | 18.6944 b | 18.671 b | 0.99875 | 5.71731 b | 0.0275988 b | 0.00125707 b |

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|-------------------------|--|-------------------------|
| << 59-Pr-141 | 60-Nd-142 | 60-Nd-143 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr142 production) | MT107 (n, α) >> |



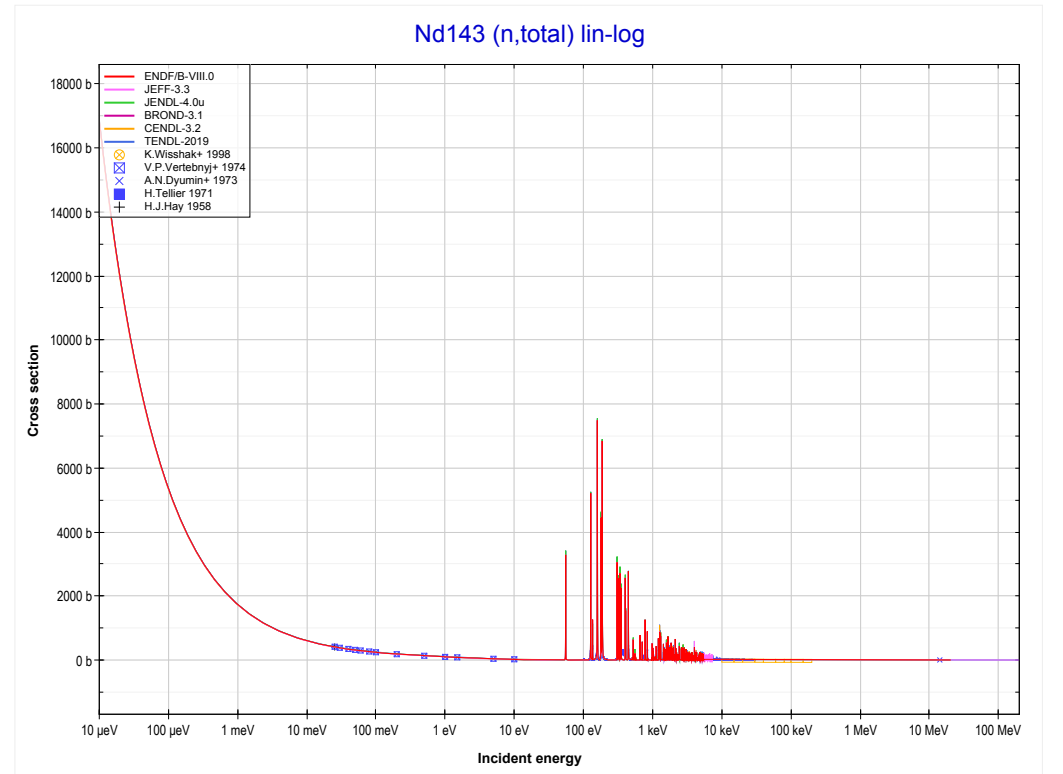
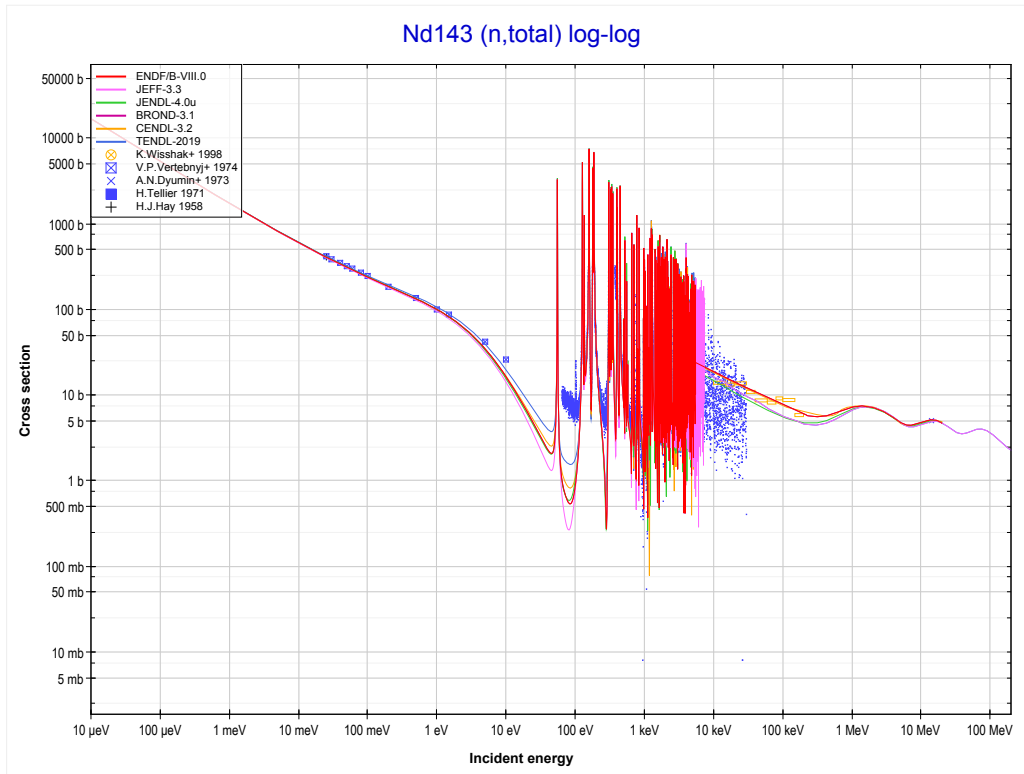
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.26499E-5 b | 0.0103681 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1923E-5 b | 0.0101836 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.97639E-5 b | 0.0115761 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.26499E-5 b | 0.0103681 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21961E-5 b | 0.010596 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19108E-5 b | 0.0101784 b |

| | | |
|----------------|--|----------------------------|
| << 59-Pr-141 | 60-Nd-142 | 60-Nd-143 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ce139 production) | 60-Nd-143 MT1 (n,total) >> |



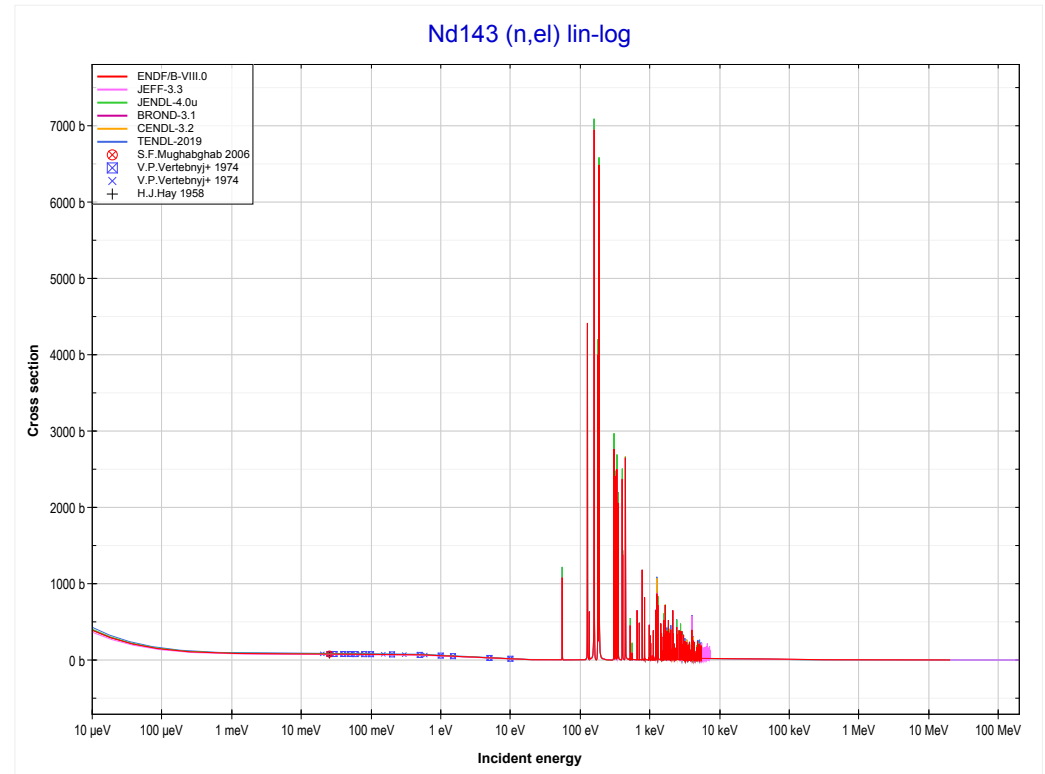
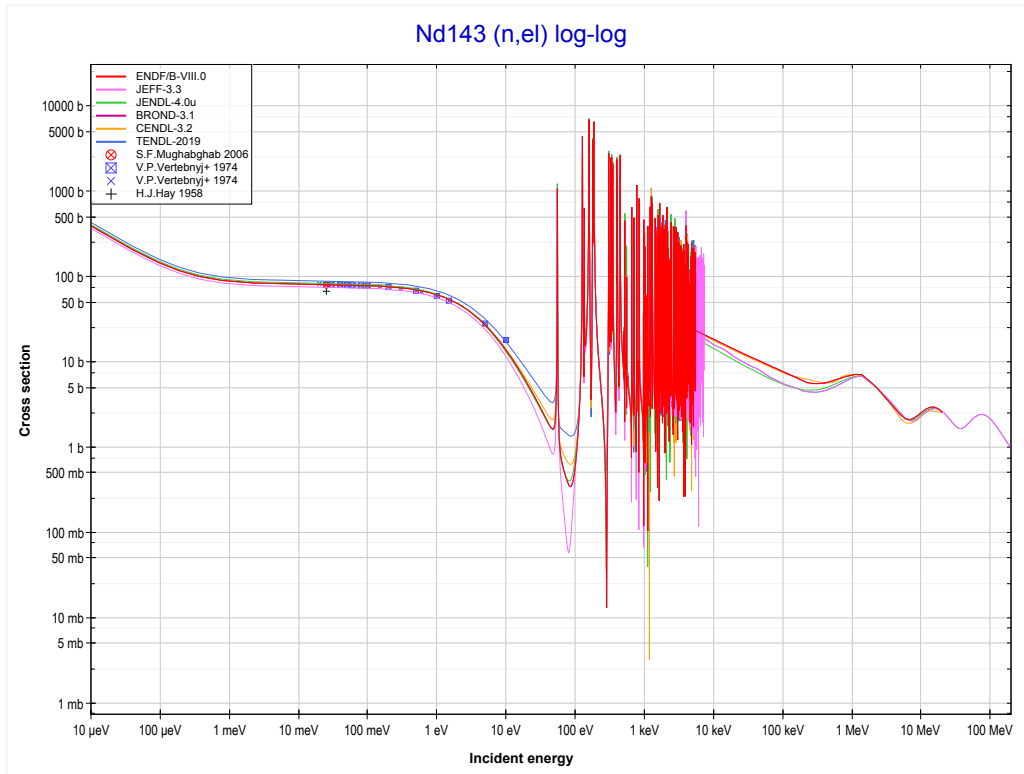
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.21688E-7 b | 1.99803E-5 b | 0.00432861 b |
| JEFF-3.3 | 4.8734E-5 b | 4.8734E-5 b | 4.8744E-5 b | 1.0002 | 2.27663E-5 b | 8.34754E-6 b | 0.00428598 b |
| JENDL-4.0u | 1.52684E-5 b | 1.52684E-5 b | 1.5275E-5 b | 1.00041 | 6.97147E-6 b | 1.43749E-5 b | 0.00449017 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.21645E-7 b | 1.99803E-5 b | 0.00432861 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.90287E-6 b | 0.0048302 b |
| TENDL-2019 | 3.98128E-7 b | 3.98128E-7 b | 3.9802E-7 b | 0.99973 | 1.8632E-7 b | 3.28986E-6 b | 0.00320577 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-142 | 60-Nd-143 | 60-Nd-144 >> |
| << 60-Nd-142 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



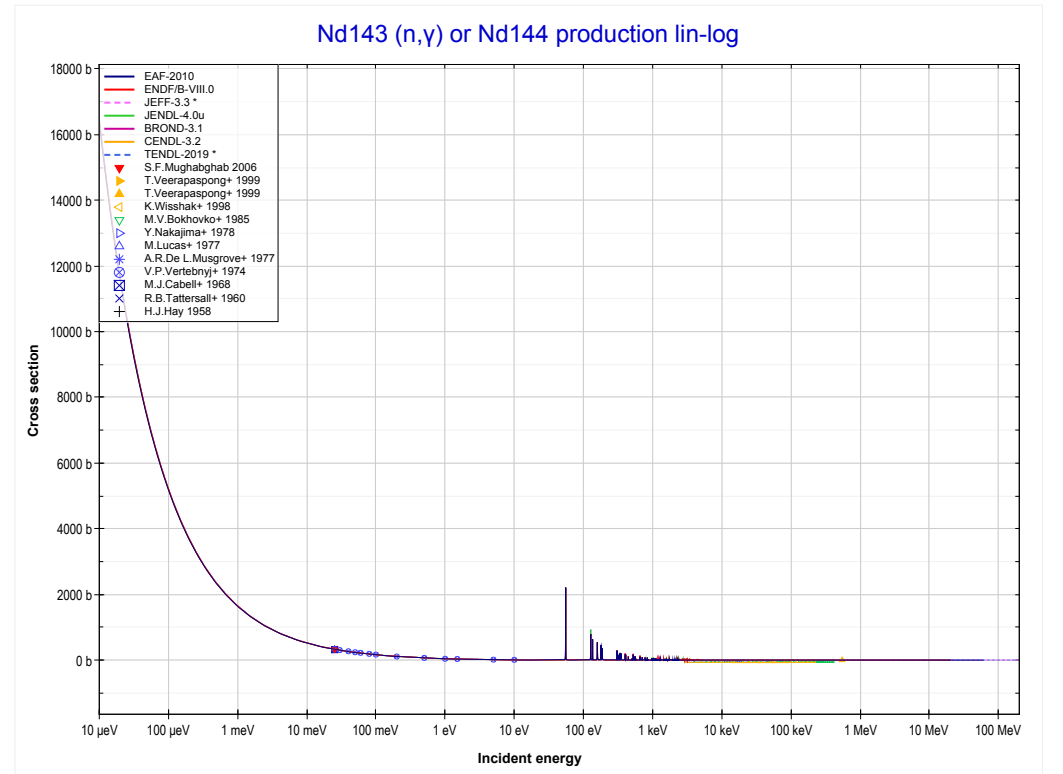
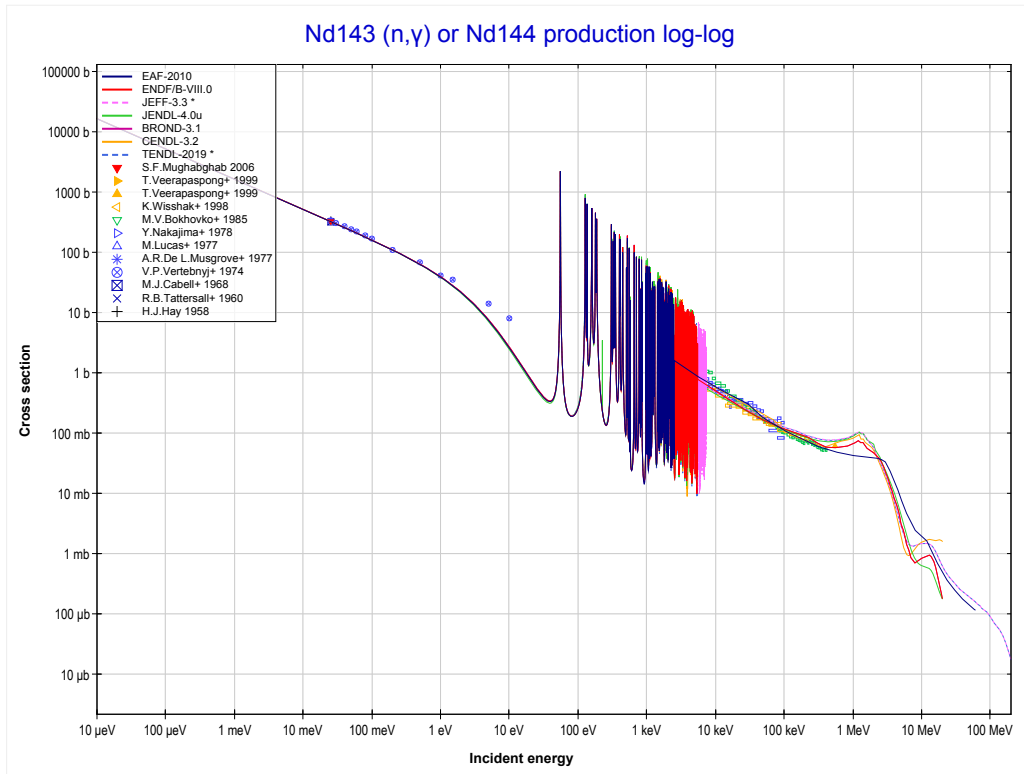
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 405.576 b | 405.576 b | 414.14 b | 1.02112 | 728.87 b | 6.56635 b | 5.15382 b |
| JEFF-3.3 | 400.081 b | 400.081 b | 407.95 b | 1.01967 | 708.651 b | 6.18443 b | 4.89833 b |
| JENDL-4.0u | 408.137 b | 408.137 b | 416.85 b | 1.02134 | 732.116 b | 6.22346 b | 5.00661 b |
| BROND-3.1 | 405.576 b | 405.576 b | 414.14 b | 1.02112 | 728.836 b | 6.56427 b | 5.15382 b |
| CENDL-3.2 | 403.167 b | 403.167 b | 411.57 b | 1.02083 | 724.649 b | 6.6185 b | 5.05 b |
| TENDL-2019 | 413.335 b | 413.335 b | 422.76 b | 1.0228 | 758.584 b | 6.18481 b | 4.89834 b |

| | | |
|------------------|------------------------|-------------------------|
| << 60-Nd-142 | 60-Nd-143 | 60-Nd-144 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



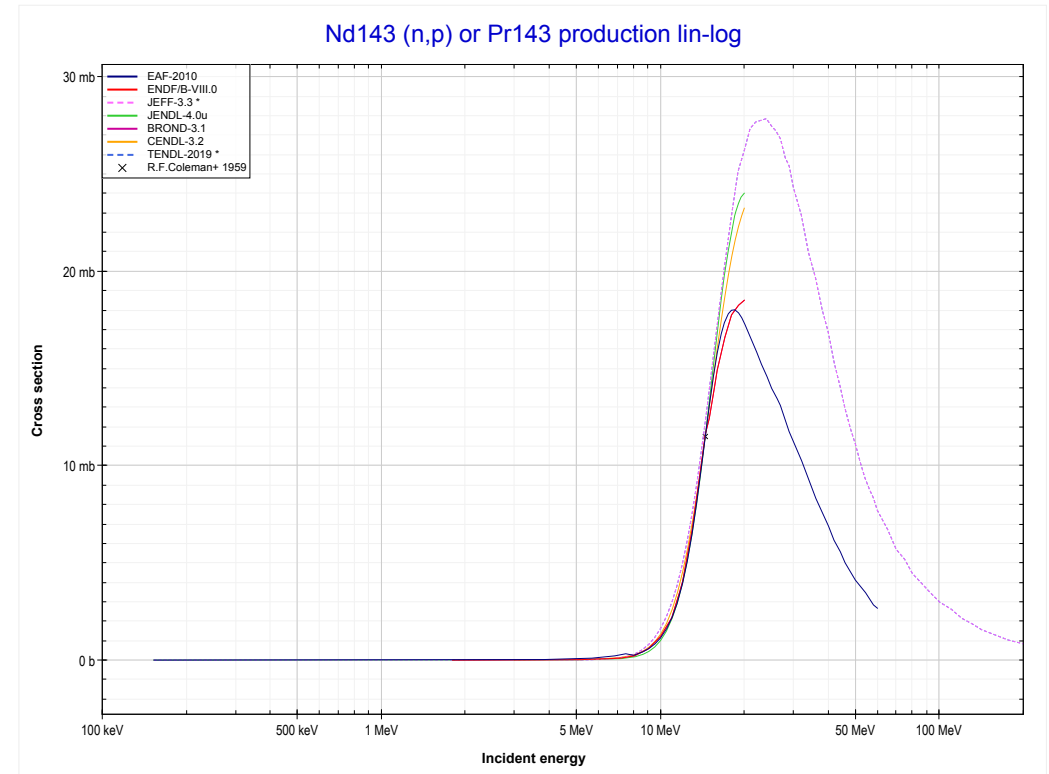
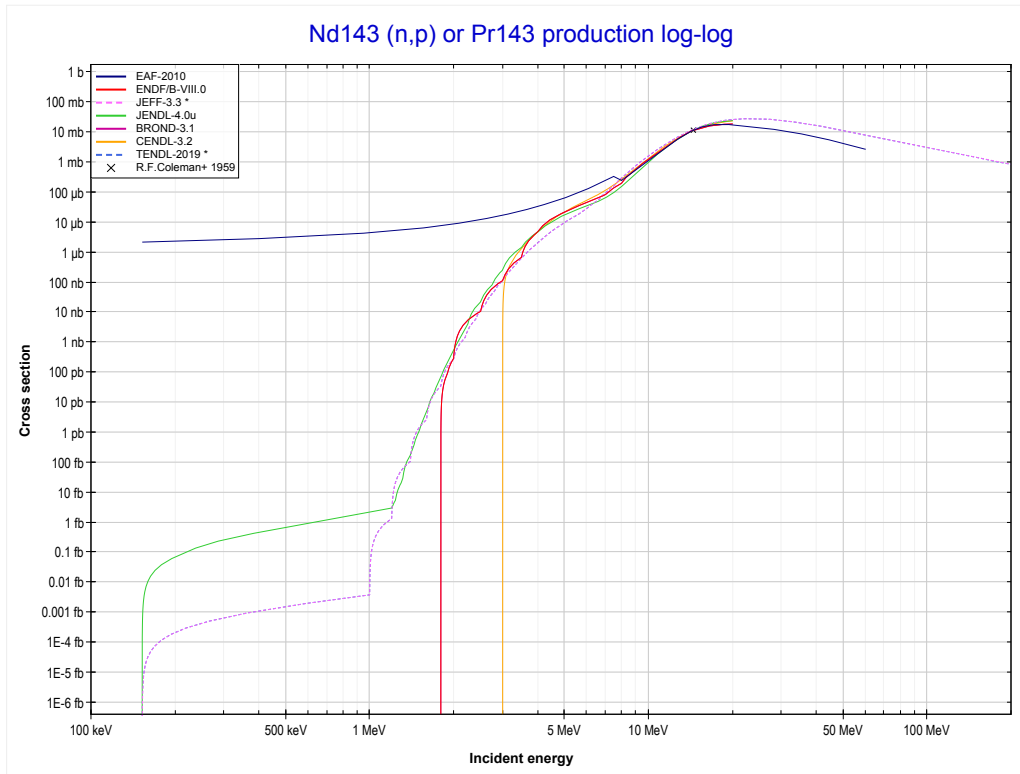
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 80.376 b | 80.376 b | 90.029 b | 1.1201 | 598.394 b | 5.4156 b | 2.94824 b |
| JEFF-3.3 | 74.8719 b | 74.8719 b | 83.842 b | 1.1198 | 578.304 b | 5.03354 b | 2.76685 b |
| JENDL-4.0u | 83.0677 b | 83.0677 b | 92.991 b | 1.11946 | 603.862 b | 5.06557 b | 2.83773 b |
| BROND-3.1 | 80.376 b | 80.376 b | 90.029 b | 1.1201 | 598.36 b | 5.41352 b | 2.94824 b |
| CENDL-3.2 | 80.1044 b | 80.1044 b | 89.729 b | 1.12016 | 595.216 b | 5.40246 b | 2.65587 b |
| TENDL-2019 | 88.1888 b | 88.1888 b | 98.819 b | 1.12054 | 628.057 b | 5.03361 b | 2.76685 b |

| | | |
|--------------------|--|----------------|
| << 60-Nd-142 | 60-Nd-143 | 60-Nd-144 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Nd144 production) | MT103 (n,p) >> |



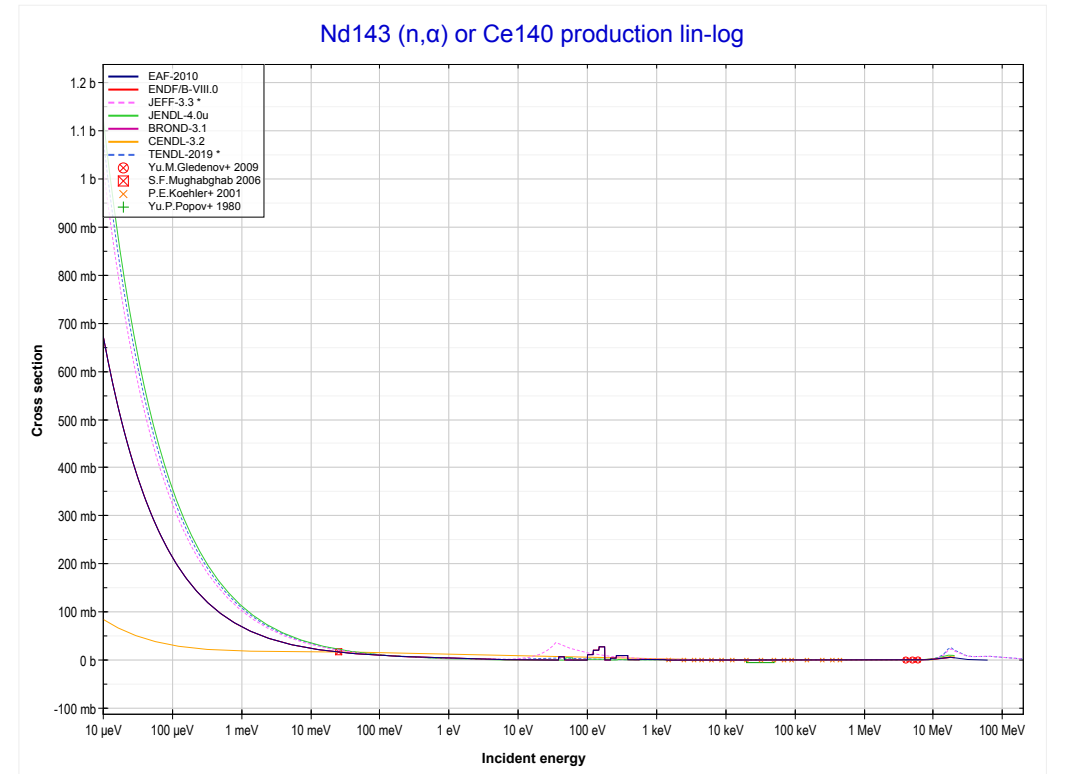
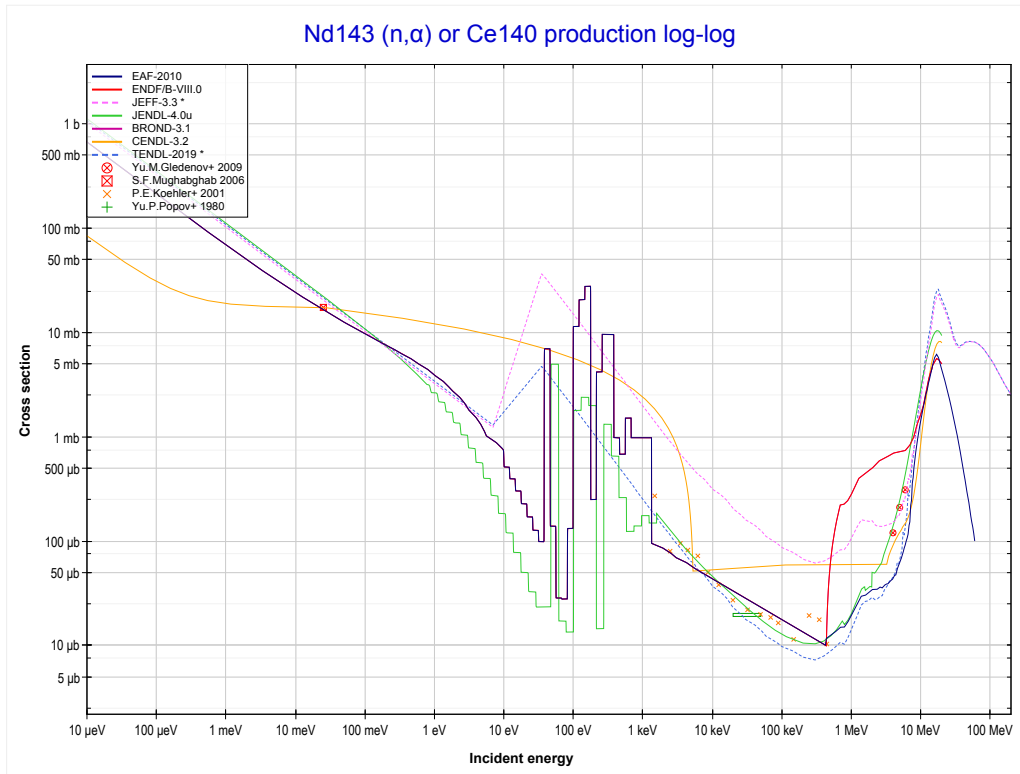
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 323.187 b | 322.941 b | 321.65 b | 0.996 | 129.235 b | 0.0407049 b | 0.0011 b |
| ENDF/B-VIII.0 | 325.184 b | 325.184 b | 324.09 b | 0.99665 | 130.449 b | 0.0486762 b | 8.74817E-4 b |
| JEFF-3.3 | 325.189 b | 325.189 b | 324.09 b | 0.99661 | 130.281 b | 0.0610579 b | 0.00135726 b |
| JENDL-4.0u | 325.047 b | 325.047 b | 323.83 b | 0.99627 | 128.246 b | 0.060559 b | 5.08715E-4 b |
| BROND-3.1 | 325.184 b | 325.184 b | 324.09 b | 0.99665 | 130.449 b | 0.0486762 b | 8.74817E-4 b |
| CENDL-3.2 | 323.045 b | 323.045 b | 321.82 b | 0.9962 | 129.37 b | 0.0535298 b | 0.0017044 b |
| TENDL-2019 | 325.124 b | 325.124 b | 323.92 b | 0.99629 | 130.506 b | 0.0601984 b | 0.00135659 b |

| | | |
|-------------------------|--|-------------------------|
| << 60-Nd-142 | 60-Nd-143 | 60-Nd-144 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr143 production) | MT107 (n, α) >> |



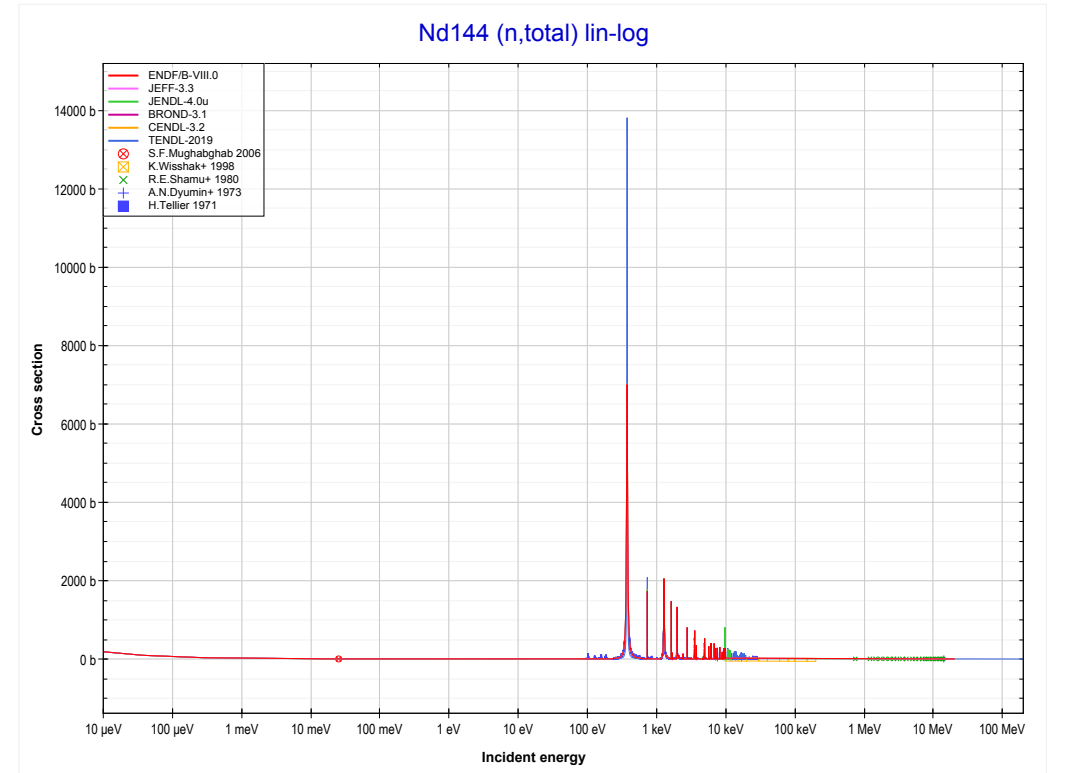
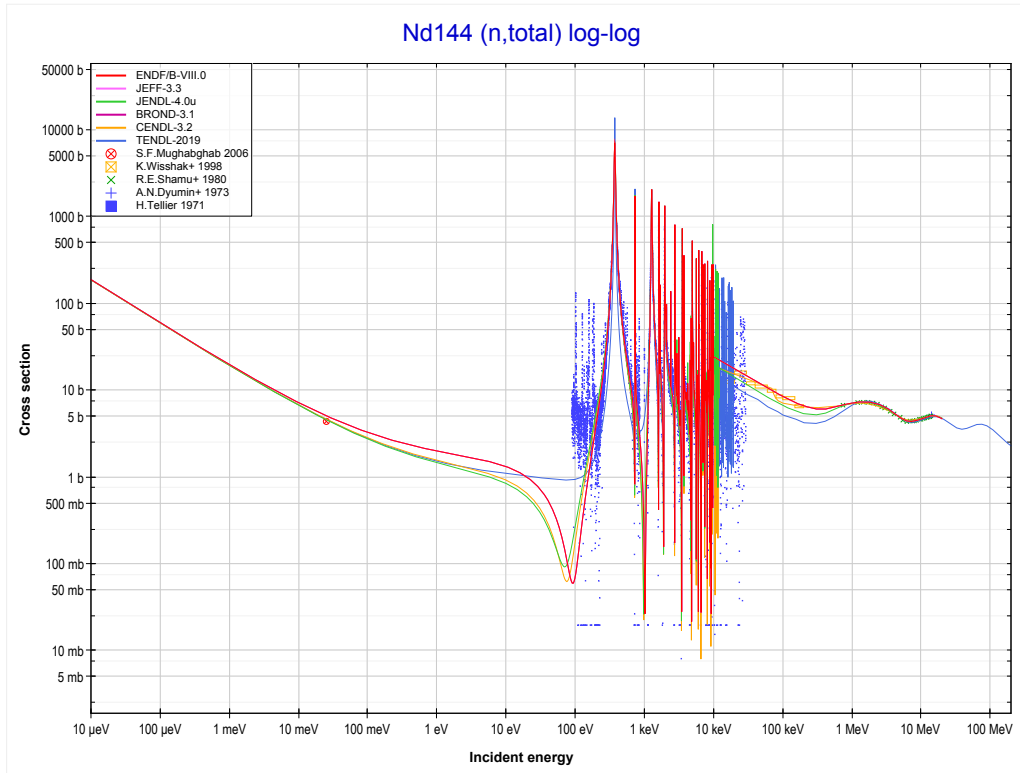
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63393E-5 b | 0.0097805 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35529E-5 b | 0.00995516 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52085E-5 b | 0.0106475 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.18077E-5 b | 0.00973465 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35529E-5 b | 0.00995516 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.49673E-5 b | 0.0099636 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.52105E-5 b | 0.0106479 b |

| | | |
|----------------|--|----------------------------|
| << 60-Nd-142 | 60-Nd-143 | 60-Nd-144 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ce140 production) | 60-Nd-144 MT1 (n,total) >> |



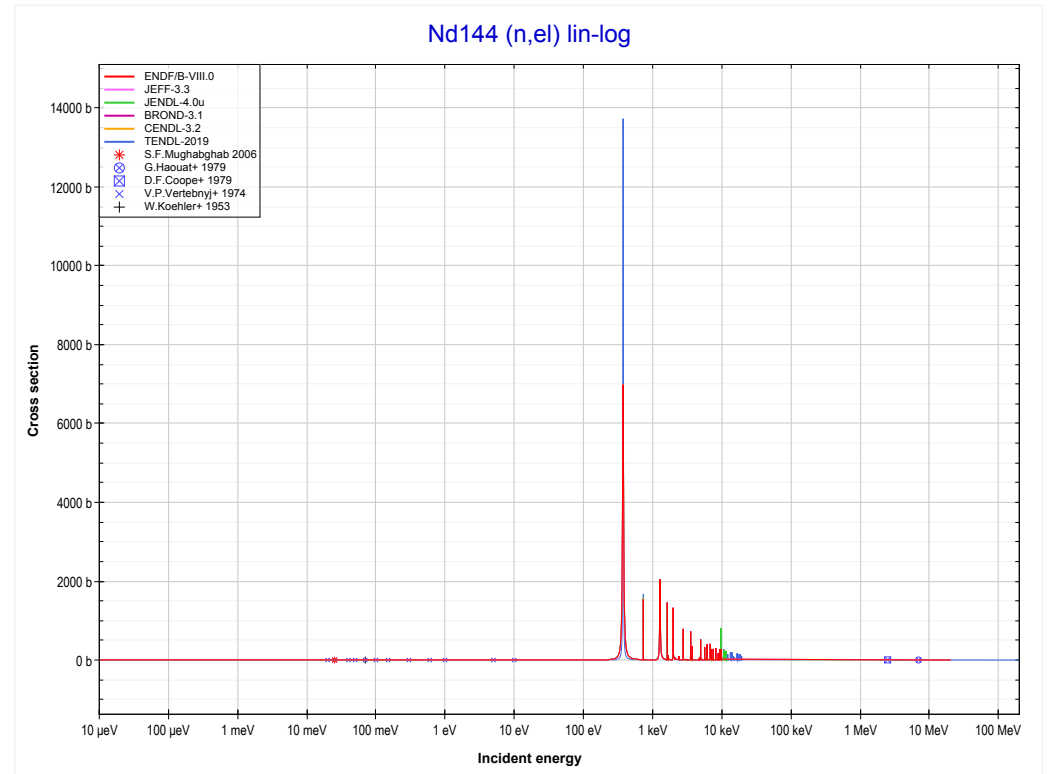
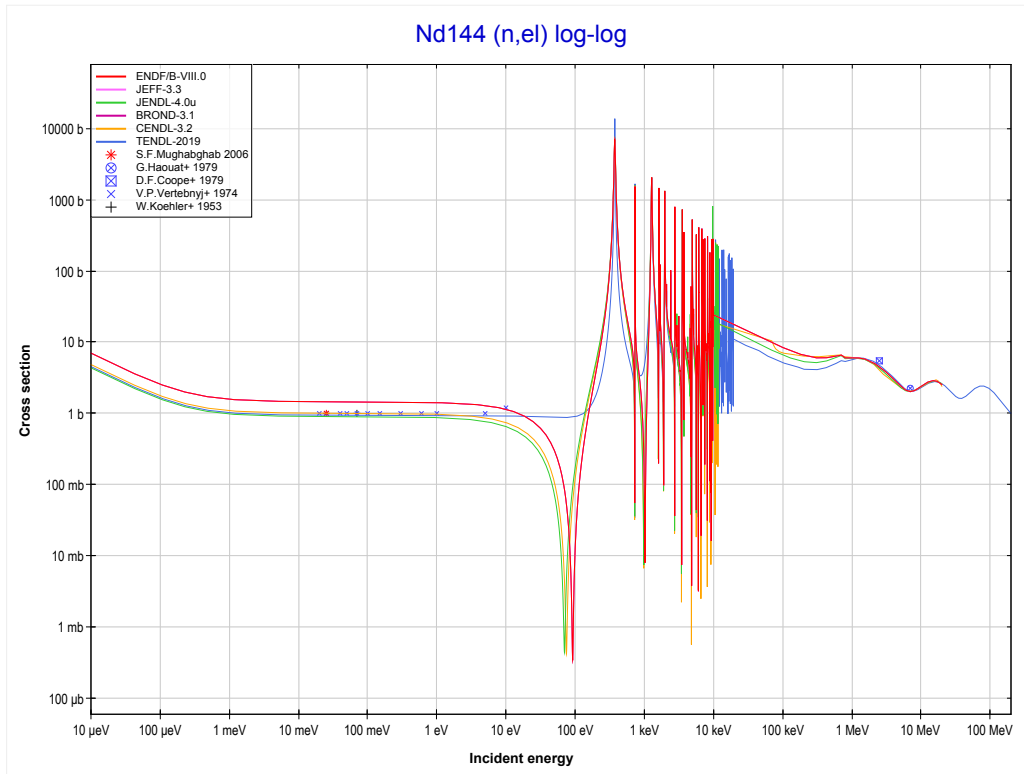
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0164986 b | 0.0164882 b | 0.016785 b | 1.01812 | 0.0271076 b | 4.14572E-5 b | 0.00404654 b |
| ENDF/B-VIII.0 | 0.0164986 b | 0.0164986 b | 0.016798 b | 1.01813 | 0.0271111 b | 4.16556E-4 b | 0.00420339 b |
| JEFF-3.3 | 0.0203638 b | 0.0203638 b | 0.020368 b | 1.0002 | 0.0666265 b | 1.48796E-4 b | 0.0103014 b |
| JENDL-4.0u | 0.0221819 b | 0.0221819 b | 0.022099 b | 0.99625 | 0.00861339 b | 8.88172E-5 b | 0.00801467 b |
| BROND-3.1 | 0.0164986 b | 0.0164986 b | 0.016798 b | 1.01813 | 0.0271111 b | 4.16556E-4 b | 0.00420339 b |
| CENDL-3.2 | 0.017387 b | 0.017387 b | 0.018754 b | 1.07863 | 0.0614702 b | 7.41218E-5 b | 0.0046108 b |
| TENDL-2019 | 0.0215609 b | 0.0215609 b | 0.021553 b | 0.99962 | 0.0169008 b | 5.08428E-5 b | 0.0121945 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-143 | 60-Nd-144 | 60-Nd-145 >> |
| << 60-Nd-143 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



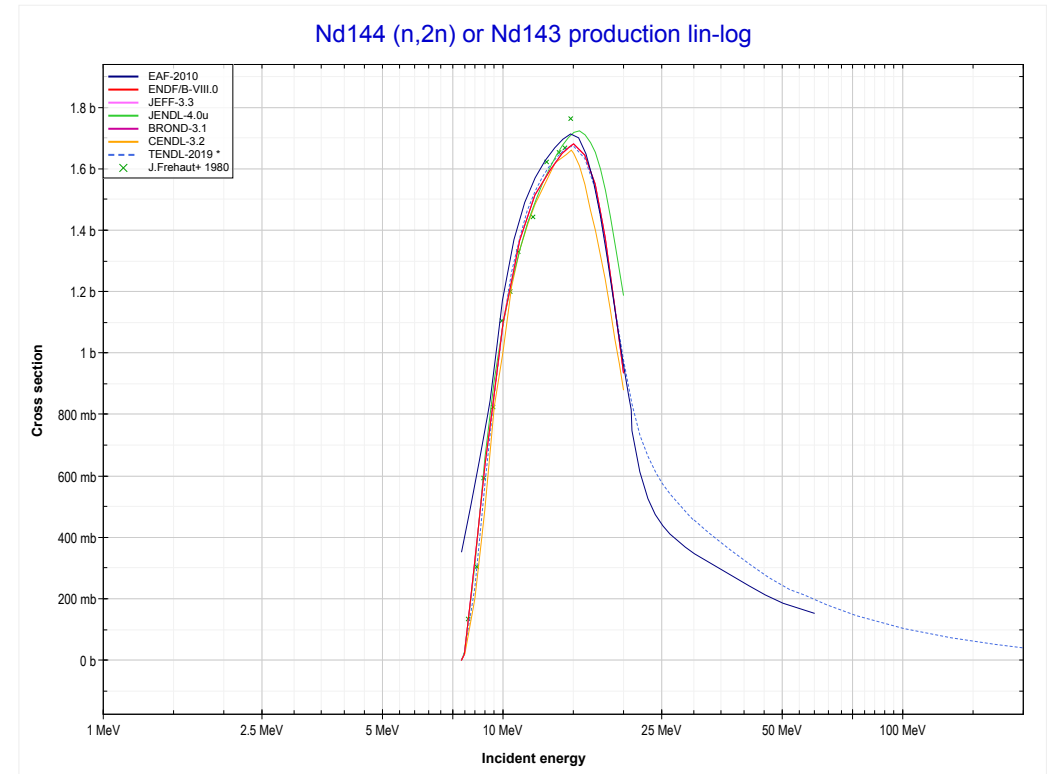
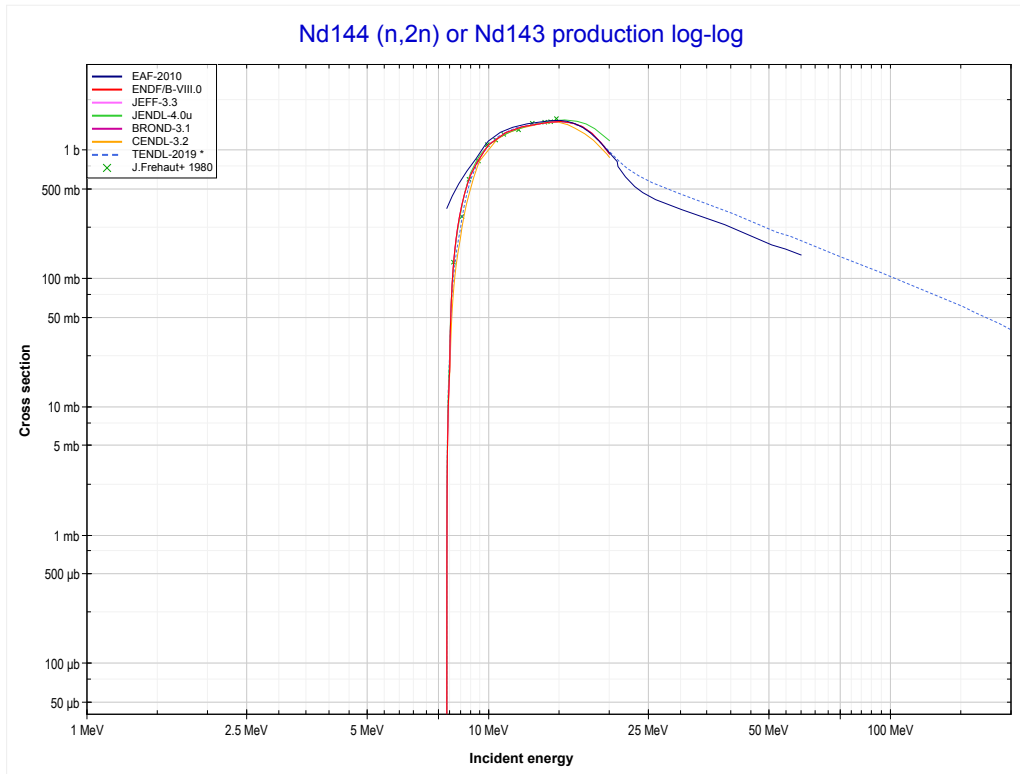
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.04828 b | 5.04828 b | 5.2353 b | 1.03704 | 656.517 b | 6.6442 b | 5.06793 b |
| JEFF-3.3 | 5.04828 b | 5.04828 b | 5.2353 b | 1.03704 | 656.517 b | 6.6442 b | 5.06793 b |
| JENDL-4.0u | 4.52784 b | 4.52784 b | 4.6445 b | 1.02576 | 668.609 b | 6.41787 b | 5.02222 b |
| BROND-3.1 | 5.04828 b | 5.04828 b | 5.2353 b | 1.03704 | 656.518 b | 6.6442 b | 5.06793 b |
| CENDL-3.2 | 4.60717 b | 4.60717 b | 4.7354 b | 1.02784 | 650.982 b | 6.47973 b | 5.07821 b |
| TENDL-2019 | 4.58137 b | 4.58137 b | 4.702 b | 1.02633 | 519.417 b | 6.19677 b | 4.89428 b |

| | | |
|------------------|------------------------|----------------|
| << 60-Nd-143 | 60-Nd-144 | 60-Nd-145 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



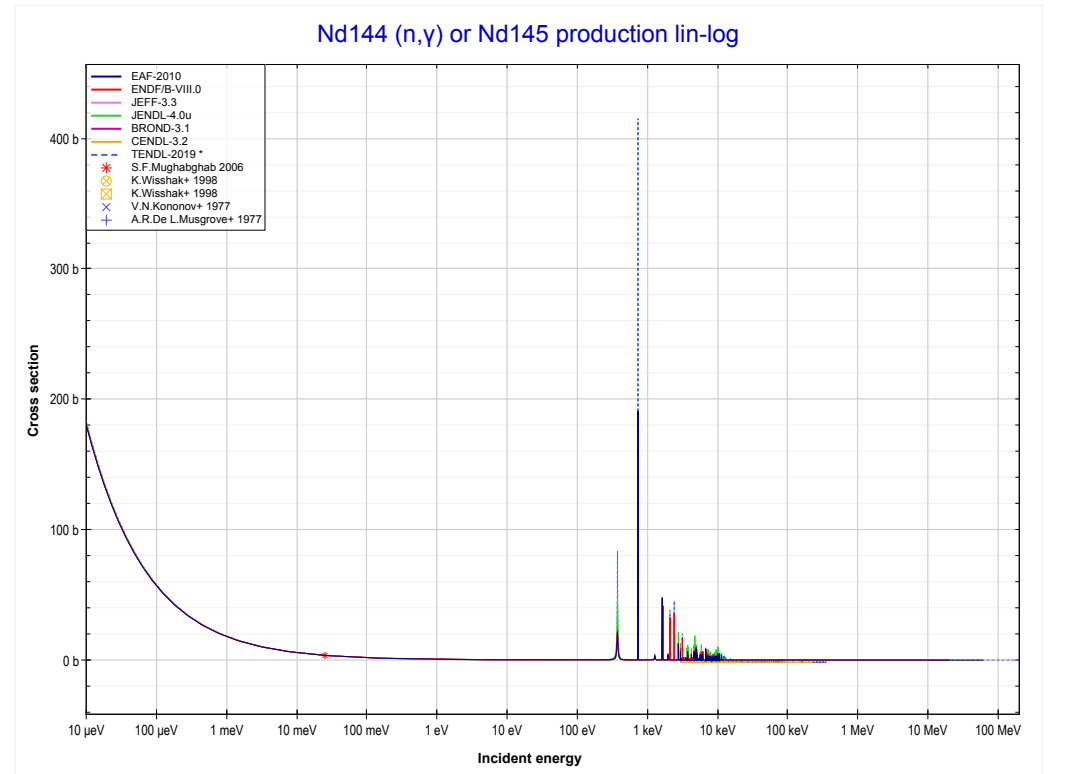
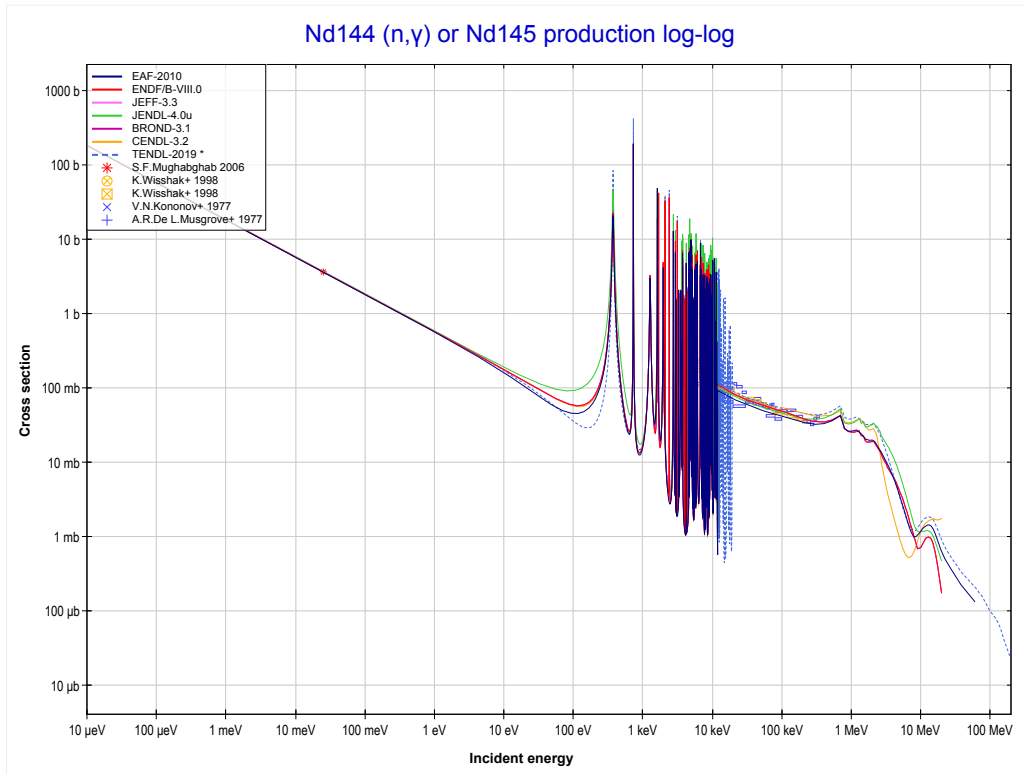
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.4535 b | 1.4535 b | 1.6391 b | 1.12773 | 652.181 b | 5.18582 b | 2.85833 b |
| JEFF-3.3 | 1.4535 b | 1.4535 b | 1.6391 b | 1.12773 | 652.181 b | 5.18582 b | 2.85833 b |
| JENDL-4.0u | 0.902154 b | 0.902154 b | 1.0172 b | 1.12752 | 662.436 b | 4.91247 b | 2.80582 b |
| BROND-3.1 | 1.4535 b | 1.4535 b | 1.6391 b | 1.12773 | 652.181 b | 5.18582 b | 2.85833 b |
| CENDL-3.2 | 1.0042 b | 1.0042 b | 1.1324 b | 1.12764 | 646.819 b | 5.05381 b | 2.79139 b |
| TENDL-2019 | 0.940324 b | 0.940324 b | 1.0611 b | 1.12839 | 514.105 b | 4.81324 b | 2.73682 b |

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|--------------------|--|-------------------------|
| << 60-Nd-142 | 60-Nd-144 | 60-Nd-146 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Nd143 production) | MT102 (n, γ) >> |



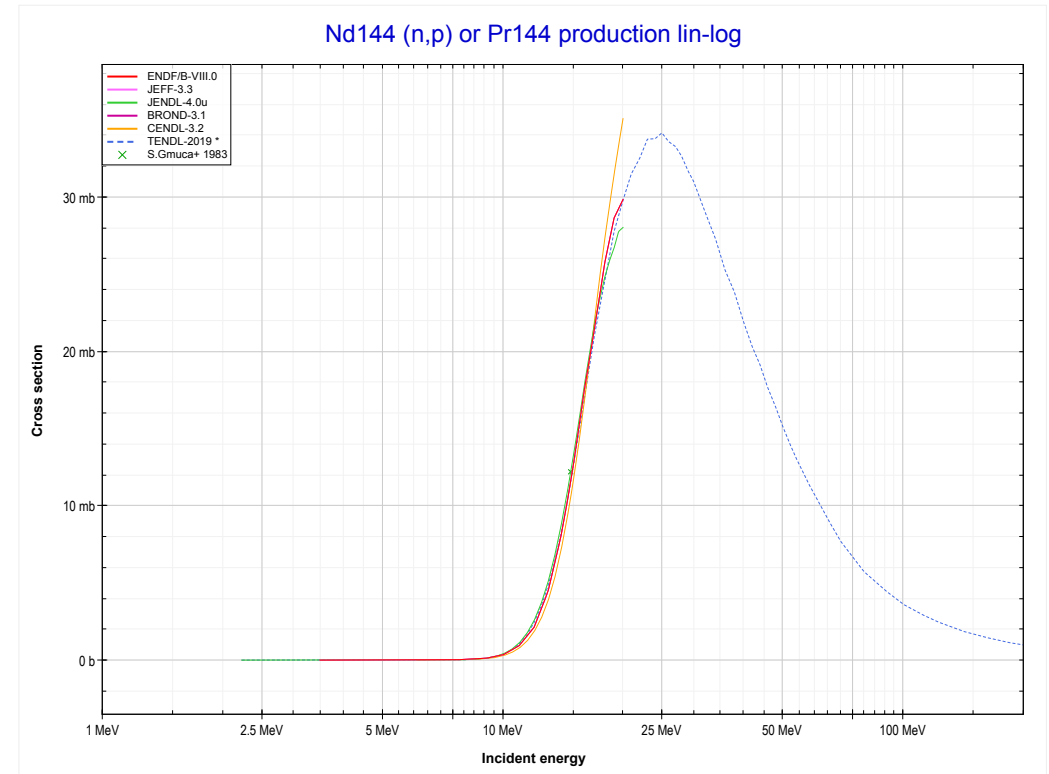
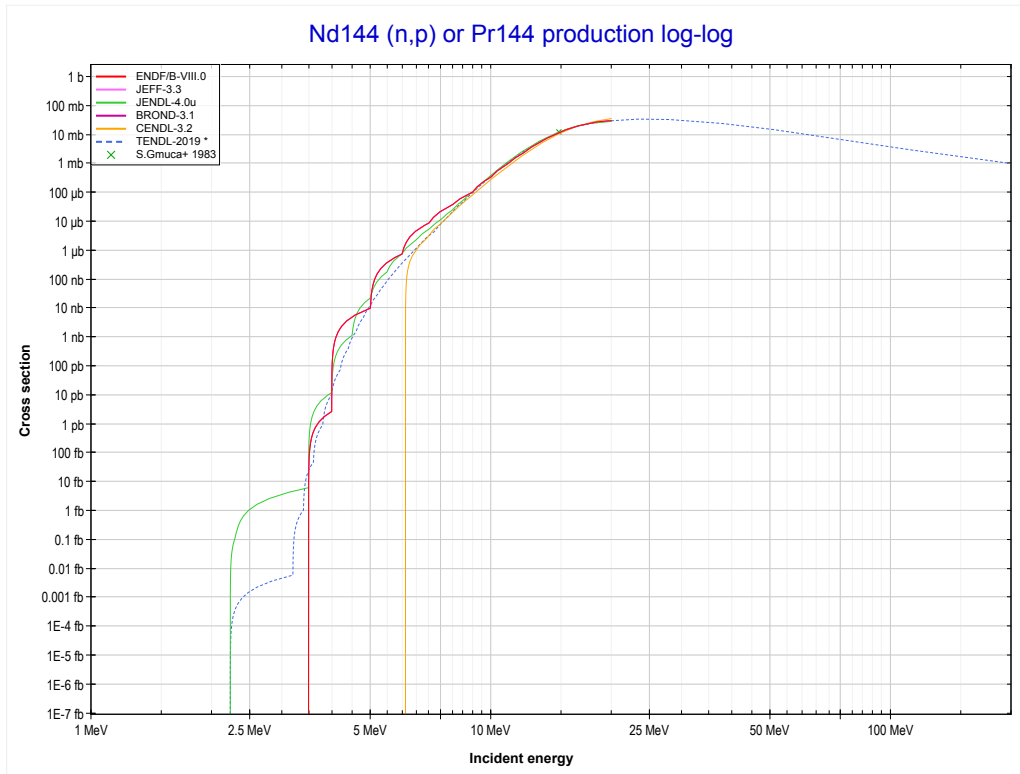
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0060362 b | 1.69182 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00551257 b | 1.64796 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00551257 b | 1.64796 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00554867 b | 1.67187 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00551257 b | 1.64796 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00491444 b | 1.63363 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00528688 b | 1.65349 b |

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|----------------|--|----------------|
| << 60-Nd-143 | 60-Nd-144 | 60-Nd-145 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Nd145 production) | MT103 (n,p) >> |



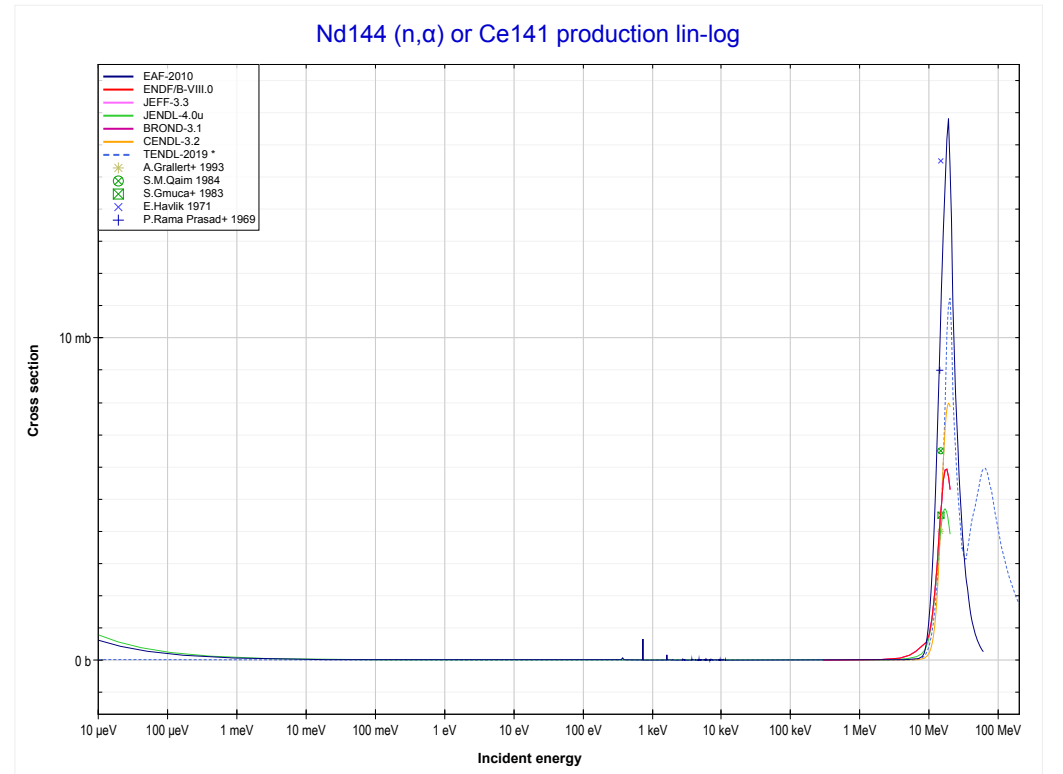
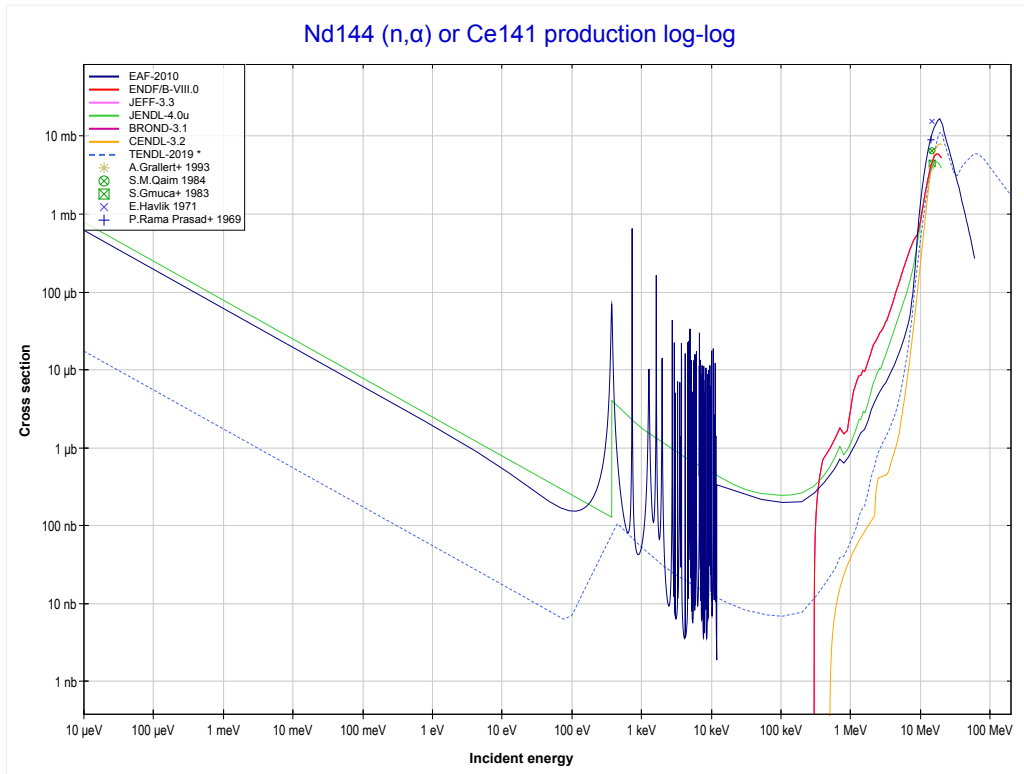
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.58579 b | 3.5831 b | 3.5819 b | 0.99968 | 4.06249 b | 0.021519 b | 0.00138979 b |
| ENDF/B-VIII.0 | 3.59478 b | 3.59478 b | 3.5961 b | 1.00037 | 4.33669 b | 0.0216412 b | 9.42399E-4 b |
| JEFF-3.3 | 3.59478 b | 3.59478 b | 3.5961 b | 1.00037 | 4.33669 b | 0.0216412 b | 9.42399E-4 b |
| JENDL-4.0u | 3.62567 b | 3.62567 b | 3.6273 b | 1.00044 | 6.17332 b | 0.0295976 b | 0.00113516 b |
| BROND-3.1 | 3.59478 b | 3.59478 b | 3.5961 b | 1.00037 | 4.33669 b | 0.0216412 b | 9.42399E-4 b |
| CENDL-3.2 | 3.60297 b | 3.60297 b | 3.603 b | 1.00002 | 4.16391 b | 0.0263343 b | 0.00167718 b |
| TENDL-2019 | 3.64104 b | 3.64104 b | 3.6409 b | 0.99996 | 5.3117 b | 0.0309679 b | 0.0017938 b |

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|-------------------------|--|-------------------------|
| << 60-Nd-143 | 60-Nd-144 | 60-Nd-145 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr144 production) | MT107 (n, α) >> |



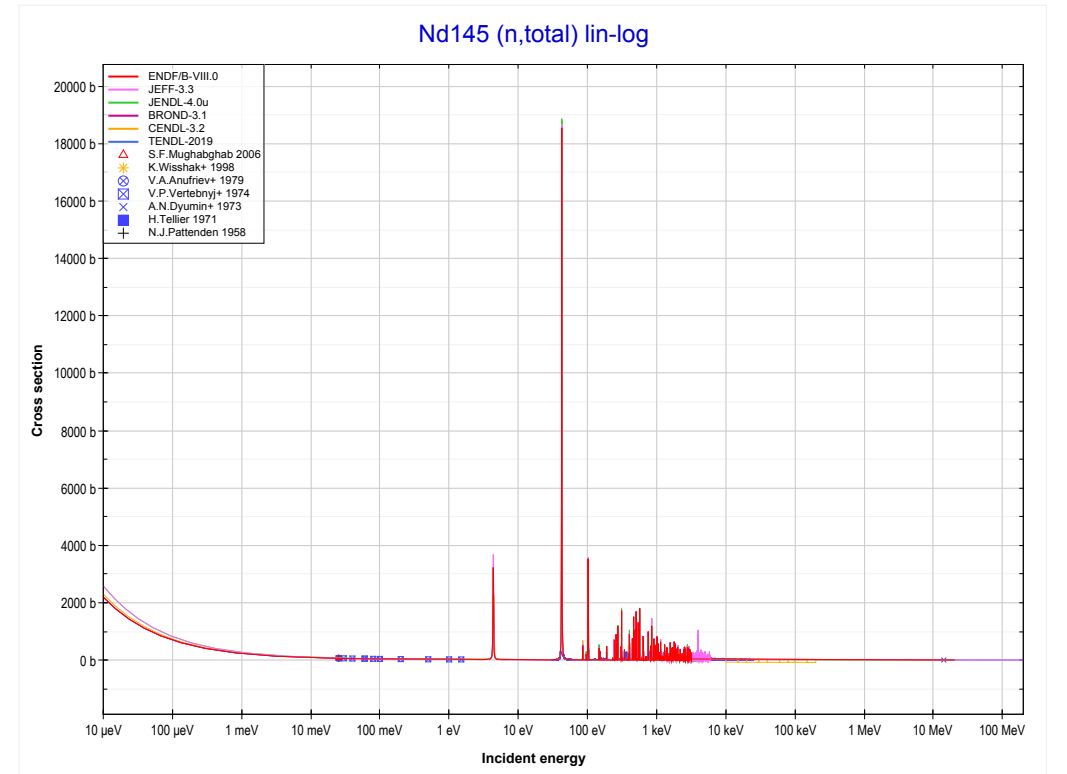
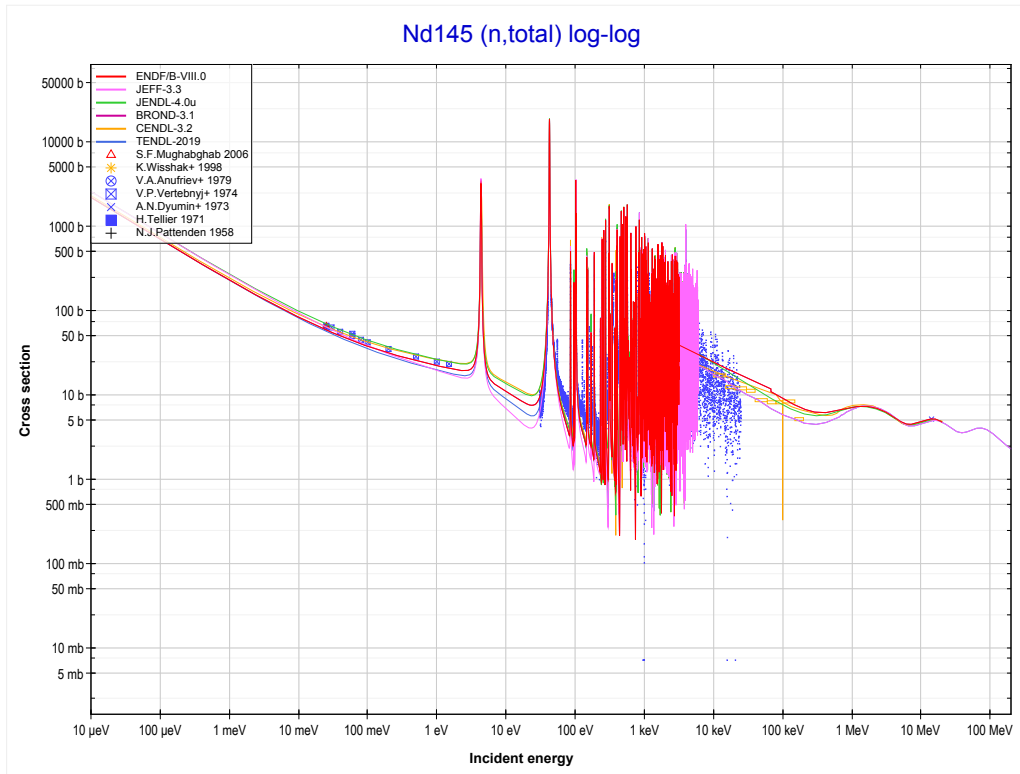
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36635E-6 b | 0.00804848 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36635E-6 b | 0.00804848 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.64084E-6 b | 0.00868147 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36635E-6 b | 0.00804848 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.46845E-6 b | 0.00711431 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.29029E-6 b | 0.00823029 b |

| | | |
|----------------|--|----------------------------|
| << 60-Nd-143 | 60-Nd-144 | 60-Nd-145 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ce141 production) | 60-Nd-145 MT1 (n,total) >> |



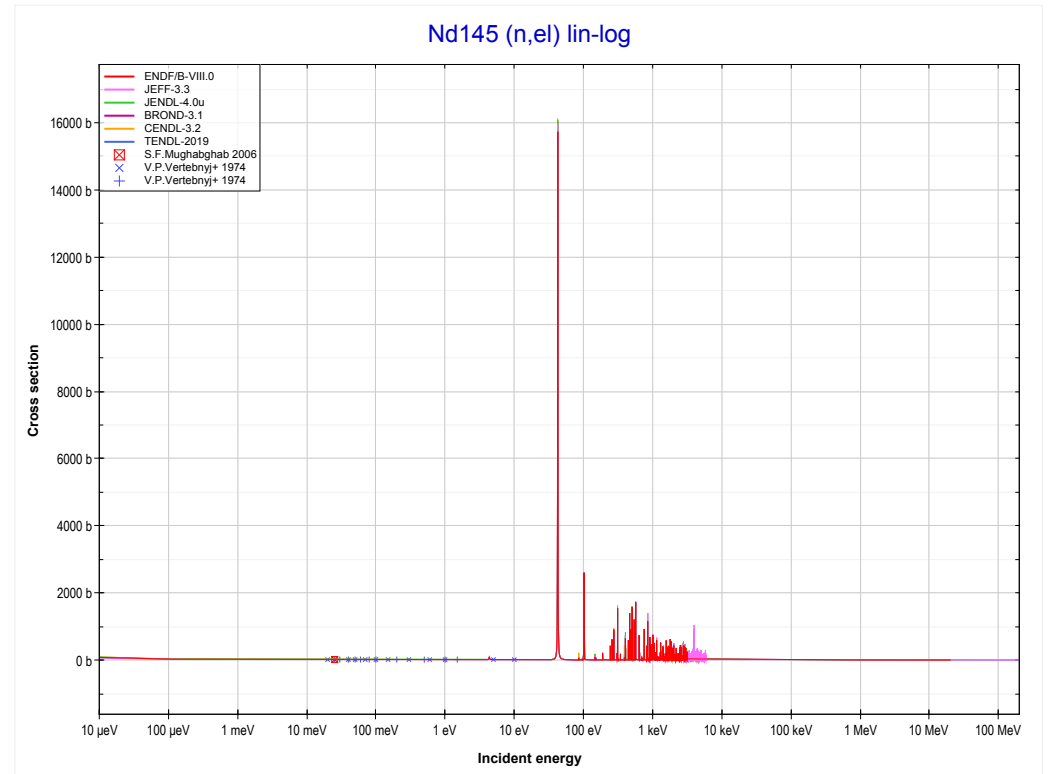
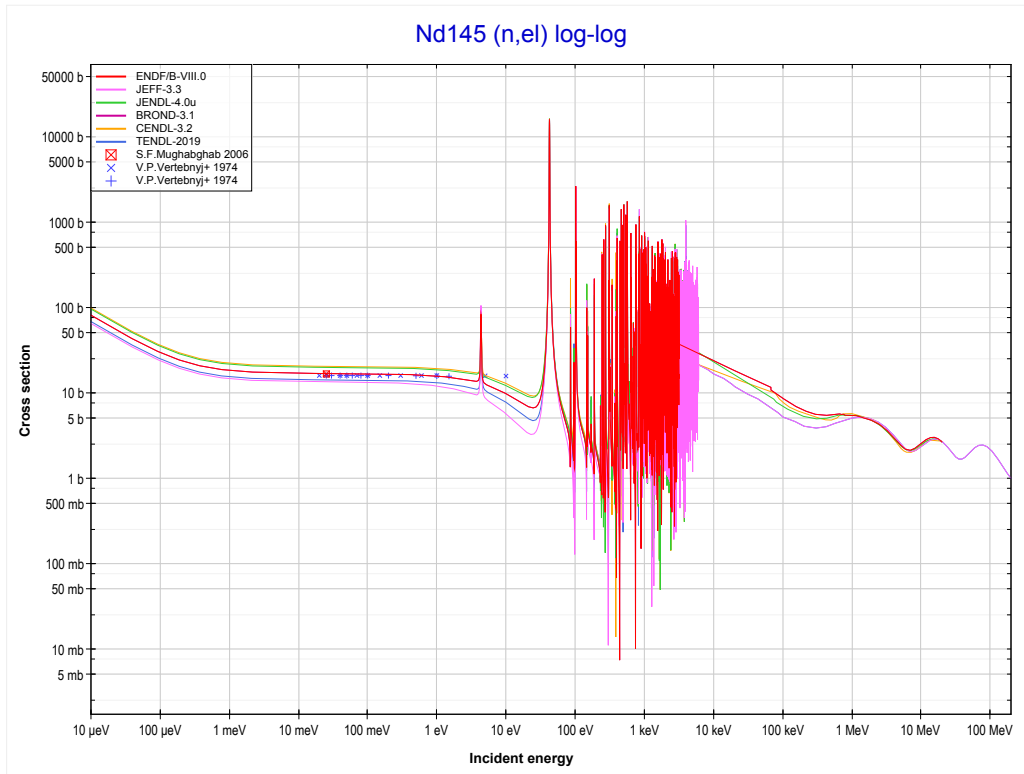
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.23086E-5 b | 1.22994E-5 b | 1.2295E-5 b | 0.99968 | 1.40445E-5 b | 1.45602E-5 b | 0.00911735 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.73612E-5 b | 0.0040179 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.73612E-5 b | 0.0040179 b |
| JENDL-4.0u | 1.5626E-5 b | 1.5626E-5 b | 1.5632E-5 b | 1.00041 | 1.24462E-5 b | 1.68527E-5 b | 0.00359706 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.73613E-5 b | 0.0040179 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.00792E-6 b | 0.00330249 b |
| TENDL-2019 | 3.47669E-7 b | 3.47669E-7 b | 3.4744E-7 b | 0.99935 | 3.43582E-7 b | 5.02134E-6 b | 0.00339016 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-144 | 60-Nd-145 | 60-Nd-146 >> |
| << 60-Nd-144 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



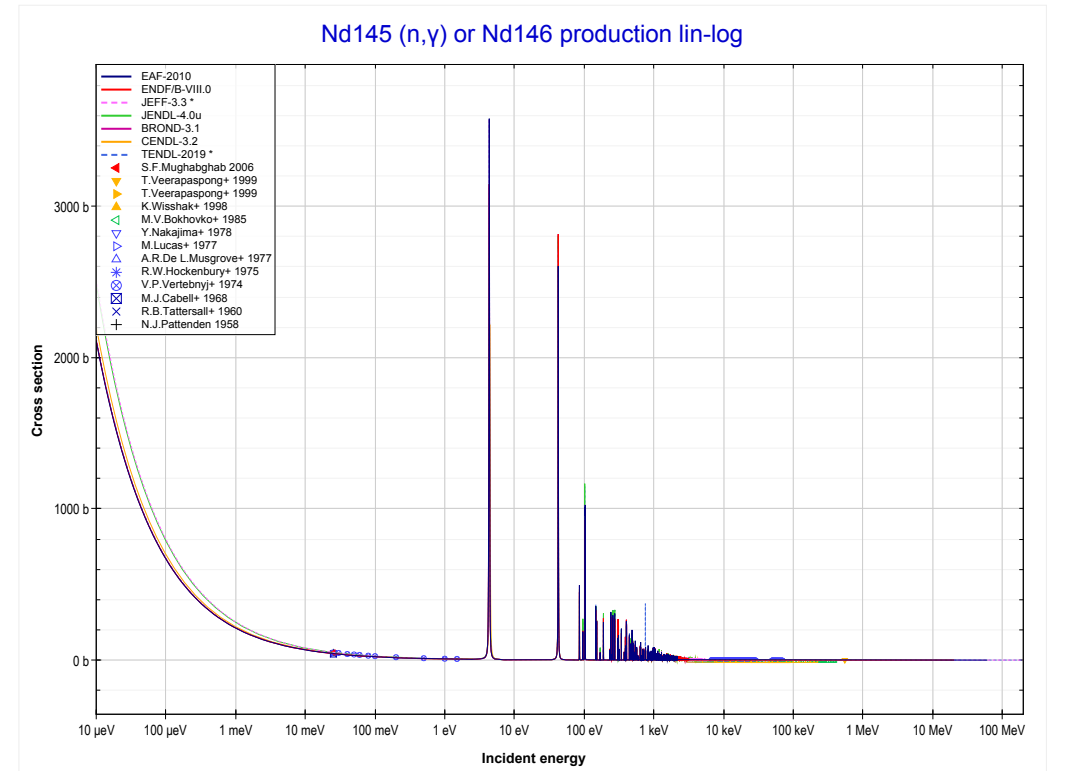
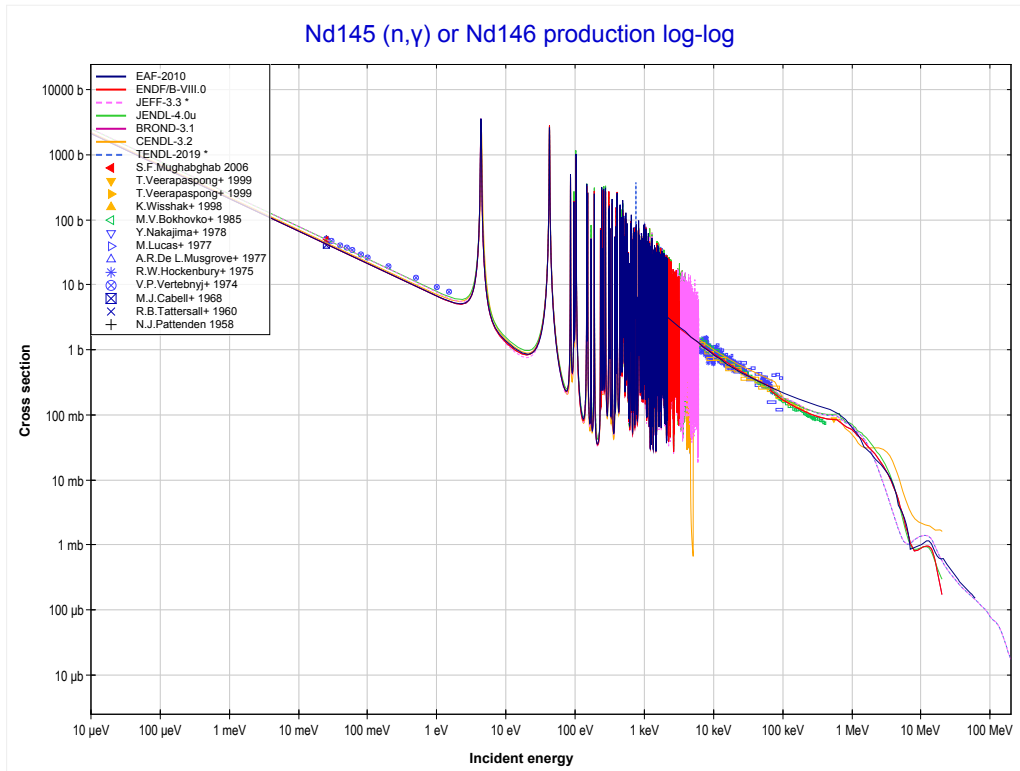
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 58.7002 b | 58.7002 b | 60.814 b | 1.03601 | 786.863 b | 6.6804 b | 5.1921 b |
| JEFF-3.3 | 63.337 b | 63.337 b | 64.981 b | 1.02596 | 769.214 b | 6.26738 b | 4.93453 b |
| JENDL-4.0u | 69.1542 b | 69.1542 b | 71.654 b | 1.03614 | 807.811 b | 6.49243 b | 5.04769 b |
| BROND-3.1 | 58.7001 b | 58.7001 b | 60.814 b | 1.03601 | 786.863 b | 6.6804 b | 5.1921 b |
| CENDL-3.2 | 64.1341 b | 64.1341 b | 66.706 b | 1.0401 | 776.164 b | 6.69917 b | 5.05 b |
| TENDL-2019 | 56.3118 b | 56.3118 b | 58.076 b | 1.03132 | 769.323 b | 6.26635 b | 4.93452 b |

| | | |
|------------------|------------------------|-------------------------|
| << 60-Nd-144 | 60-Nd-145 | 60-Nd-146 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



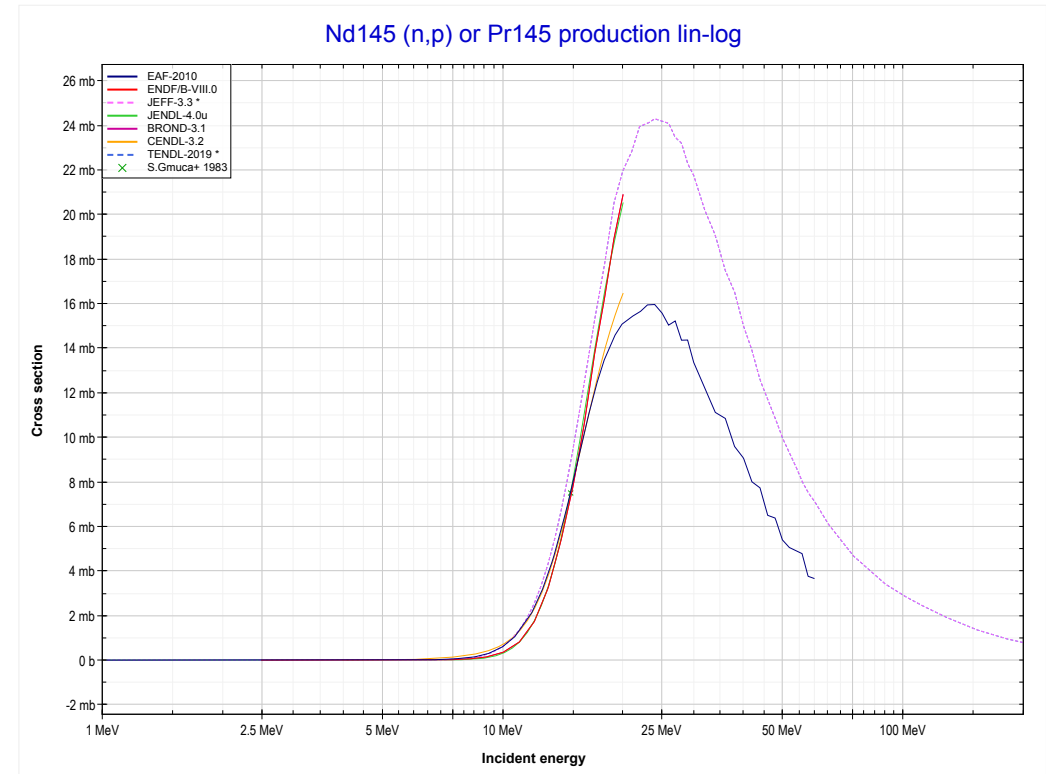
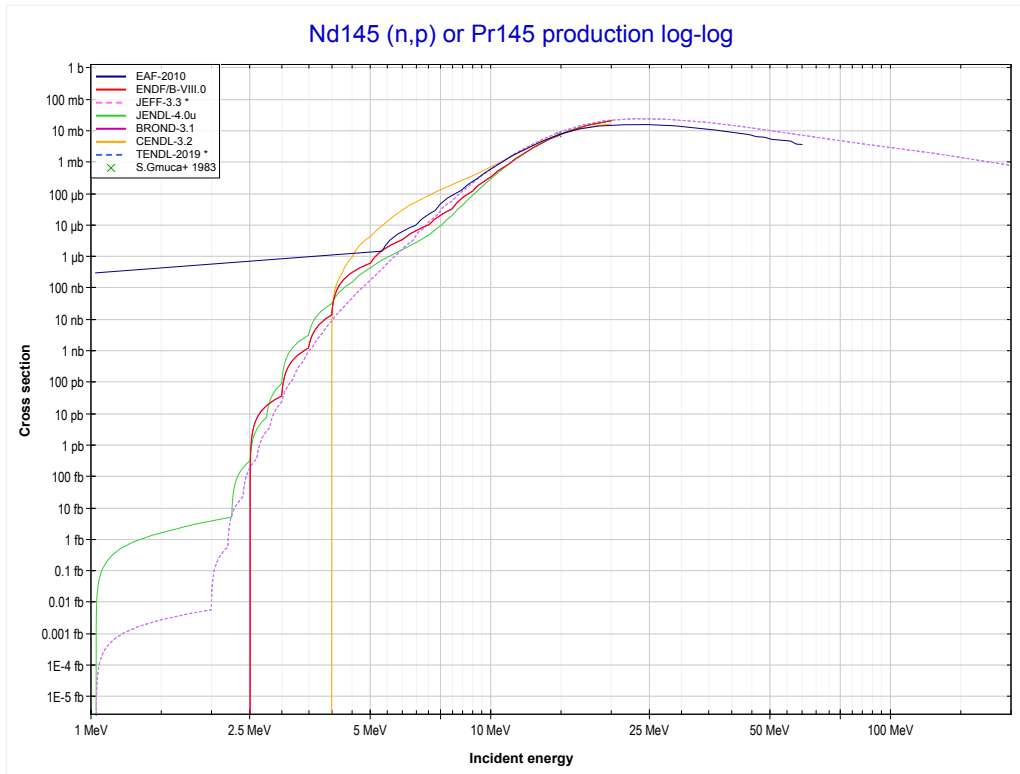
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 16.7003 b | 16.7003 b | 18.812 b | 1.12646 | 564.001 b | 4.74497 b | 2.9808 b |
| JEFF-3.3 | 13.3341 b | 13.3341 b | 15.003 b | 1.12519 | 535.804 b | 4.37197 b | 2.79193 b |
| JENDL-4.0u | 19.7092 b | 19.7092 b | 22.206 b | 1.12666 | 585.17 b | 4.60259 b | 2.85691 b |
| BROND-3.1 | 16.7003 b | 16.7003 b | 18.812 b | 1.12646 | 564.001 b | 4.74497 b | 2.9808 b |
| CENDL-3.2 | 20.2915 b | 20.2915 b | 22.866 b | 1.12687 | 572.816 b | 4.6557 b | 2.78076 b |
| TENDL-2019 | 14.0691 b | 14.0691 b | 15.846 b | 1.12633 | 542.754 b | 4.37061 b | 2.79193 b |

| | | |
|--------------------|--|----------------|
| << 60-Nd-144 | 60-Nd-145 | 60-Nd-146 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Nd146 production) | MT103 (n,p) >> |



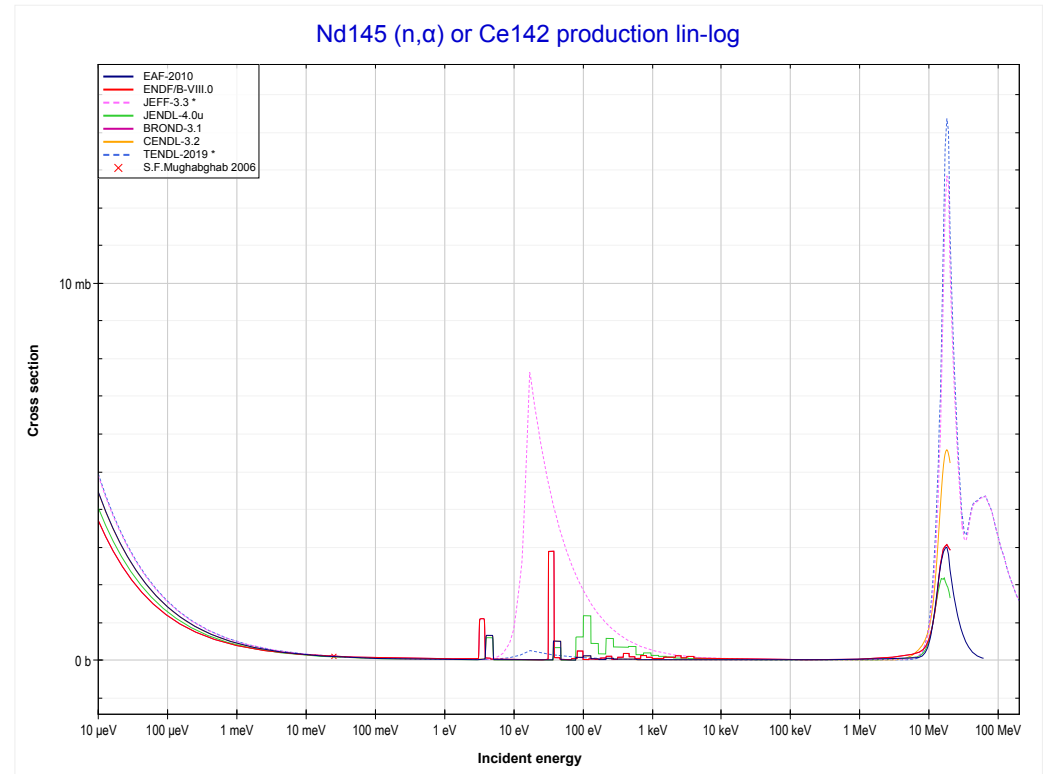
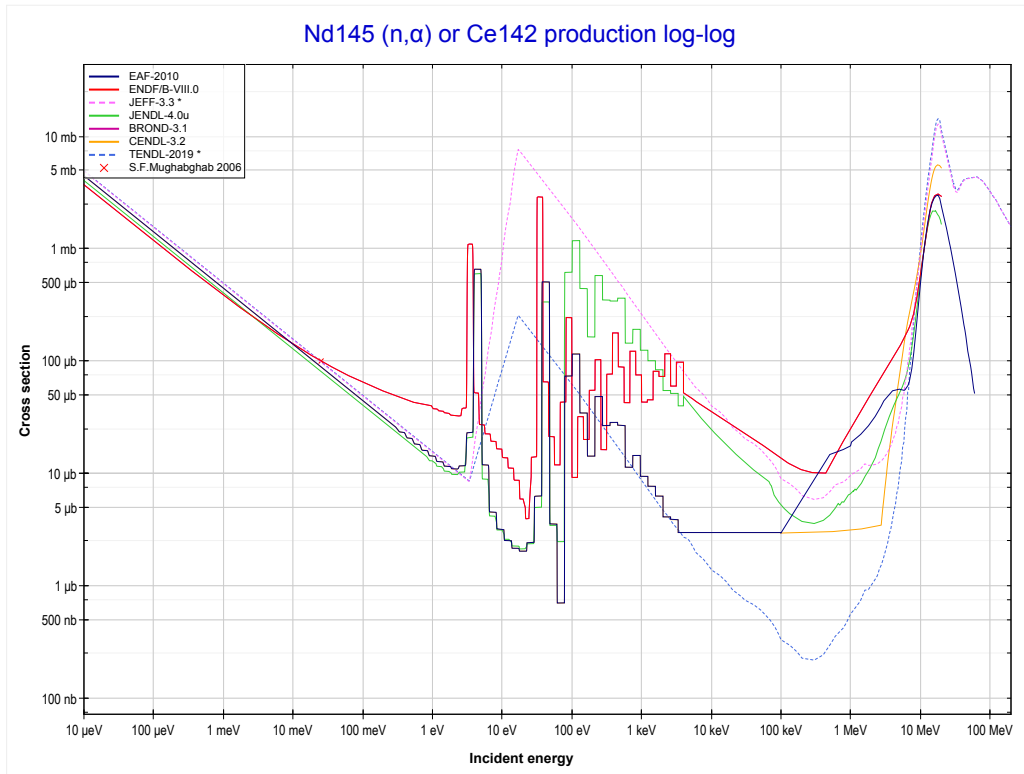
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 41.8908 b | 41.8594 b | 41.843 b | 0.99961 | 230.742 b | 0.0553592 b | 0.00106 b |
| ENDF/B-VIII.0 | 41.9998 b | 41.9998 b | 42.002 b | 1.00005 | 222.797 b | 0.0472309 b | 8.85386E-4 b |
| JEFF-3.3 | 50.0029 b | 50.0029 b | 49.978 b | 0.9995 | 233.335 b | 0.0502863 b | 0.0012489 b |
| JENDL-4.0u | 49.4449 b | 49.4449 b | 49.448 b | 1.00006 | 222.506 b | 0.0551459 b | 7.95976E-4 b |
| BROND-3.1 | 41.9998 b | 41.9998 b | 42.002 b | 1.00005 | 222.797 b | 0.0472309 b | 8.85386E-4 b |
| CENDL-3.2 | 43.8425 b | 43.8425 b | 43.84 b | 0.99994 | 203.291 b | 0.0500784 b | 0.0018893 b |
| TENDL-2019 | 42.2426 b | 42.2426 b | 42.229 b | 0.99968 | 226.505 b | 0.049555 b | 0.00124836 b |

| | | |
|-------------------------|--|-------------------------|
| << 60-Nd-144 | 60-Nd-145 | 60-Nd-146 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr145 production) | MT107 (n, α) >> |



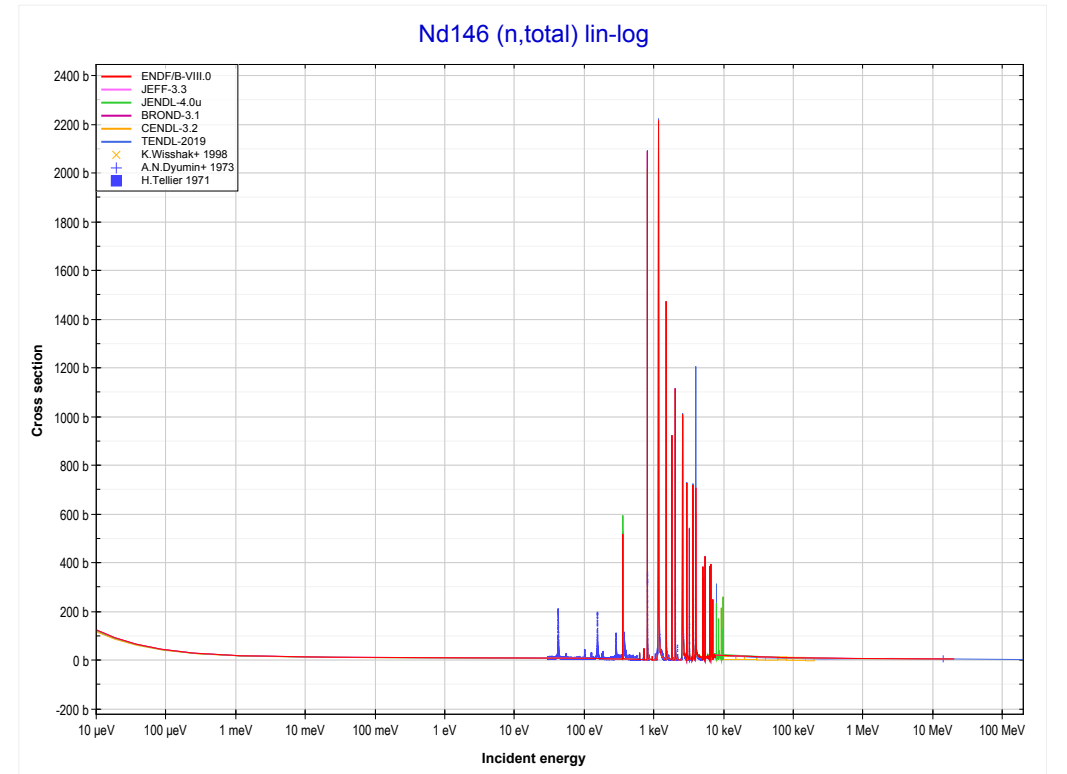
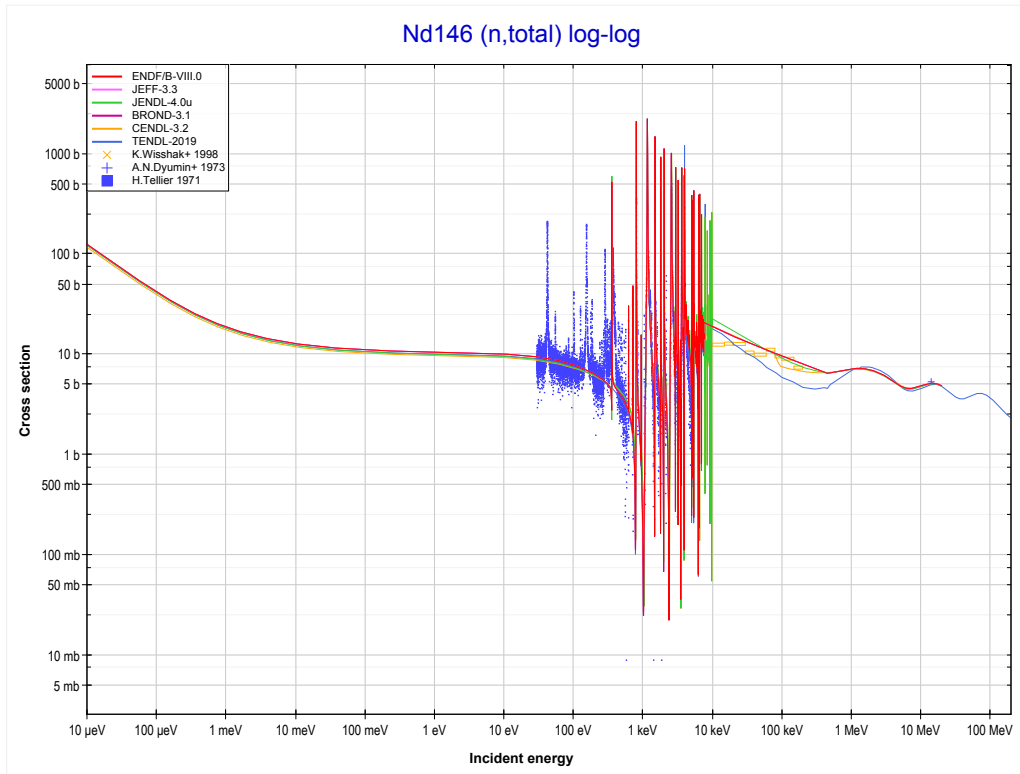
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.27861E-6 b | 0.00584475 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.30042E-6 b | 0.00537227 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.0086E-6 b | 0.00668338 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.90218E-6 b | 0.0054362 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.30042E-6 b | 0.00537227 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.33405E-6 b | 0.0057163 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.00841E-6 b | 0.00668316 b |

| | | |
|----------------|--|----------------------------|
| << 60-Nd-144 | 60-Nd-145 | 60-Nd-146 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ce142 production) | 60-Nd-146 MT1 (n,total) >> |



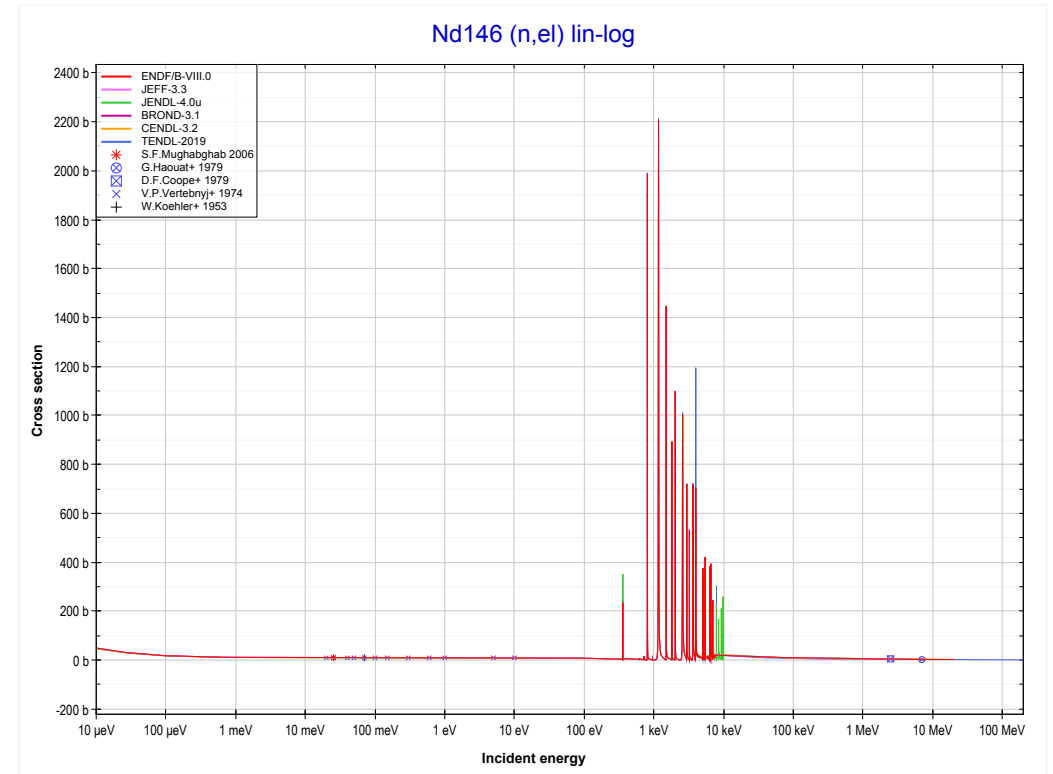
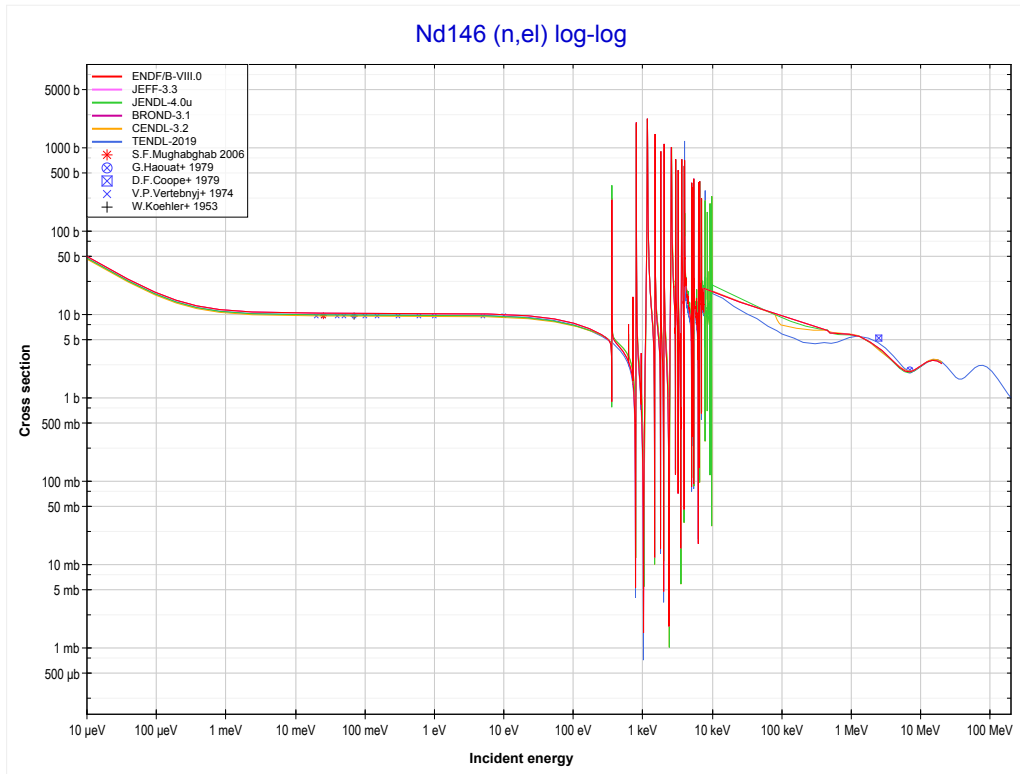
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.90369E-5 b | 8.89733E-5 b | 8.8835E-5 b | 0.99849 | 4.48111E-4 b | 3.16007E-5 b | 0.00227479 b |
| ENDF/B-VIII.0 | 1.0036E-4 b | 1.0036E-4 b | 1.0376E-4 b | 1.03383 | 0.00129926 b | 5.61332E-5 b | 0.00230094 b |
| JEFF-3.3 | 9.72794E-5 b | 9.72794E-5 b | 9.73E-5 b | 1.00022 | 0.0115066 b | 2.1714E-5 b | 0.00533528 b |
| JENDL-4.0u | 8.03215E-5 b | 8.03215E-5 b | 8.034E-5 b | 1.00023 | 0.00153666 b | 2.01362E-5 b | 0.00196638 b |
| BROND-3.1 | 1.0036E-4 b | 1.0036E-4 b | 1.0376E-4 b | 1.03383 | 0.00129926 b | 5.61332E-5 b | 0.00230094 b |
| CENDL-3.2 | 8.89994E-5 b | 8.89994E-5 b | 8.8832E-5 b | 0.99812 | 4.48067E-4 b | 2.18315E-5 b | 0.0036371 b |
| TENDL-2019 | 9.86106E-5 b | 9.86106E-5 b | 9.8574E-5 b | 0.99963 | 4.62728E-4 b | 1.10006E-5 b | 0.00630254 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-145 | 60-Nd-146 | 60-Nd-148 >> |
| << 60-Nd-145 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



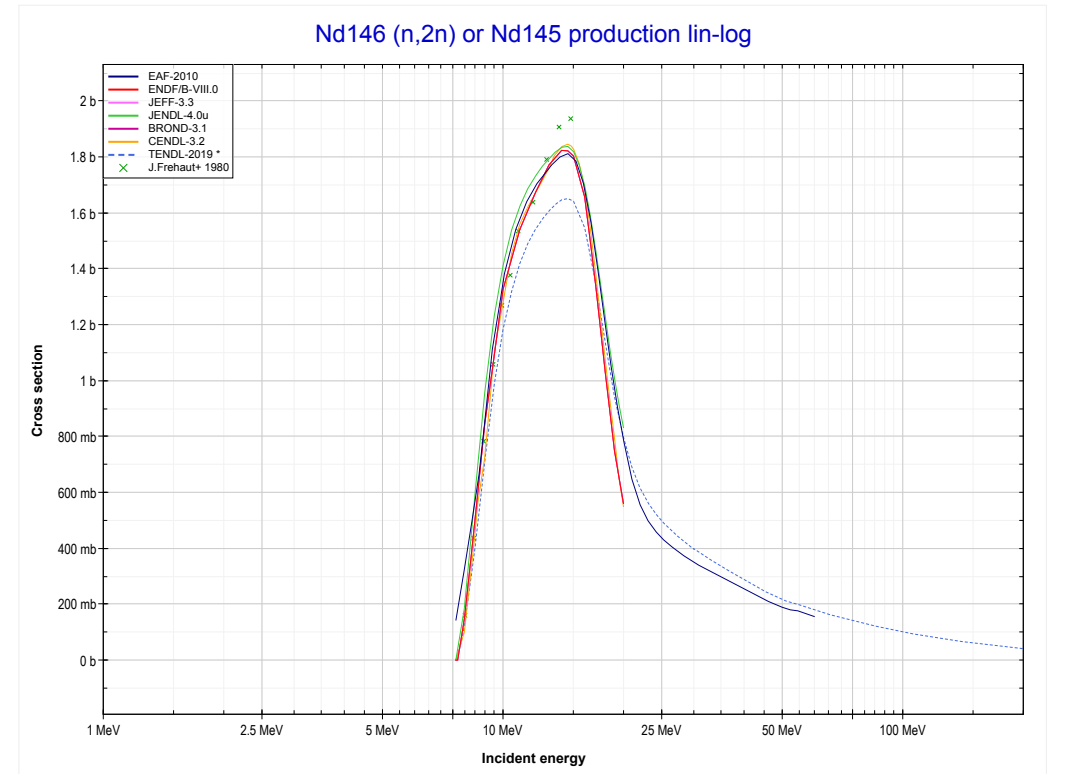
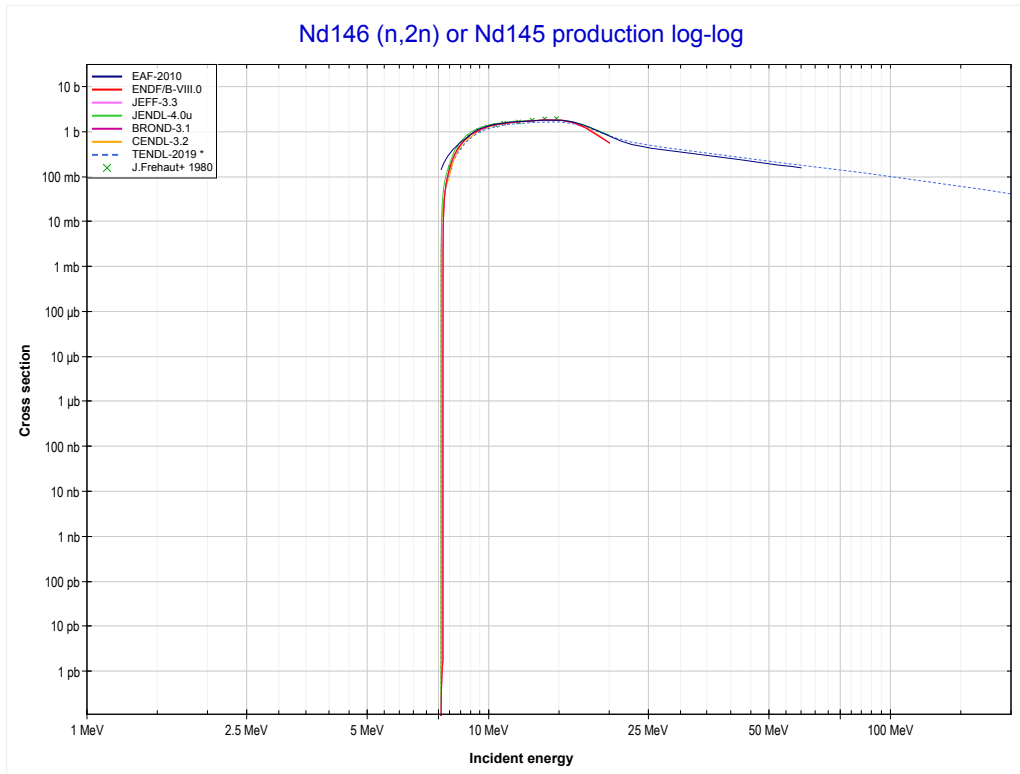
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.7727 b | 11.7727 b | 13.092 b | 1.1121 | 209.336 b | 6.66323 b | 5.1216 b |
| JEFF-3.3 | 11.7727 b | 11.7727 b | 13.092 b | 1.1121 | 209.336 b | 6.66323 b | 5.1216 b |
| JENDL-4.0u | 11.2802 b | 11.2802 b | 12.536 b | 1.11136 | 207.013 b | 6.59597 b | 5.0628 b |
| BROND-3.1 | 11.7727 b | 11.7727 b | 13.092 b | 1.1121 | 209.336 b | 6.66323 b | 5.1216 b |
| CENDL-3.2 | 10.9277 b | 10.9277 b | 12.151 b | 1.1119 | 202.589 b | 6.5258 b | 5.089 b |
| TENDL-2019 | 11.3254 b | 11.3254 b | 12.589 b | 1.11156 | 199.257 b | 6.30214 b | 4.94985 b |

| | | |
|------------------|------------------------|----------------|
| << 60-Nd-145 | 60-Nd-146 | 60-Nd-148 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



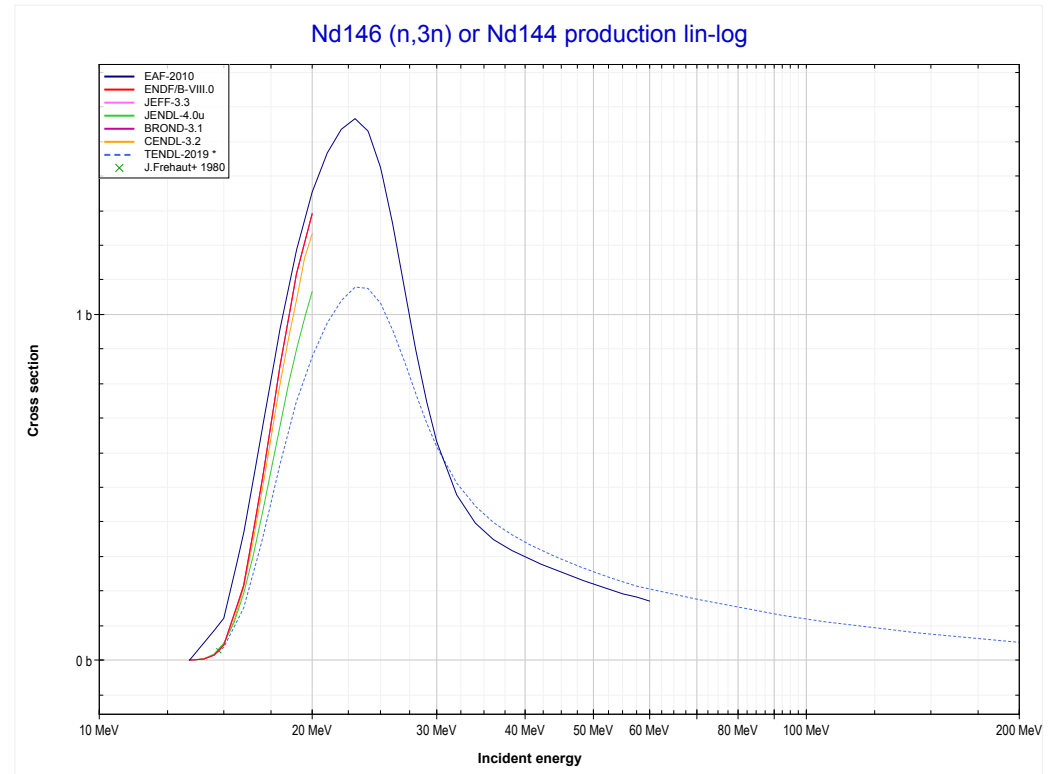
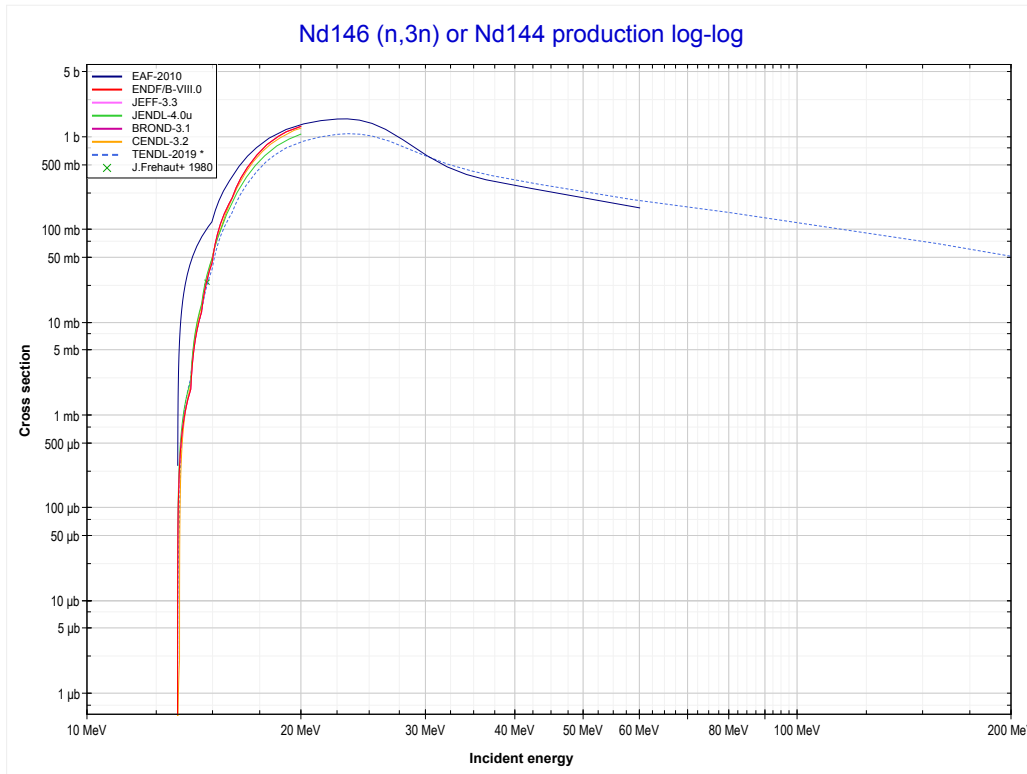
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.283 b | 10.283 b | 11.602 b | 1.12829 | 206.548 b | 4.87744 b | 2.78008 b |
| JEFF-3.3 | 10.283 b | 10.283 b | 11.602 b | 1.12829 | 206.548 b | 4.87744 b | 2.78008 b |
| JENDL-4.0u | 9.79013 b | 9.79013 b | 11.046 b | 1.12827 | 204.437 b | 4.8031 b | 2.77798 b |
| BROND-3.1 | 10.283 b | 10.283 b | 11.602 b | 1.12829 | 206.548 b | 4.87744 b | 2.78008 b |
| CENDL-3.2 | 9.52837 b | 9.52837 b | 10.751 b | 1.12834 | 199.867 b | 4.76328 b | 2.8482 b |
| TENDL-2019 | 9.84381 b | 9.84381 b | 11.107 b | 1.12835 | 196.156 b | 4.57652 b | 2.8043 b |

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|--------------------|--|----------------|
| << 60-Nd-144 | 60-Nd-146 | 60-Nd-148 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Nd145 production) | MT17 (n,3n) >> |



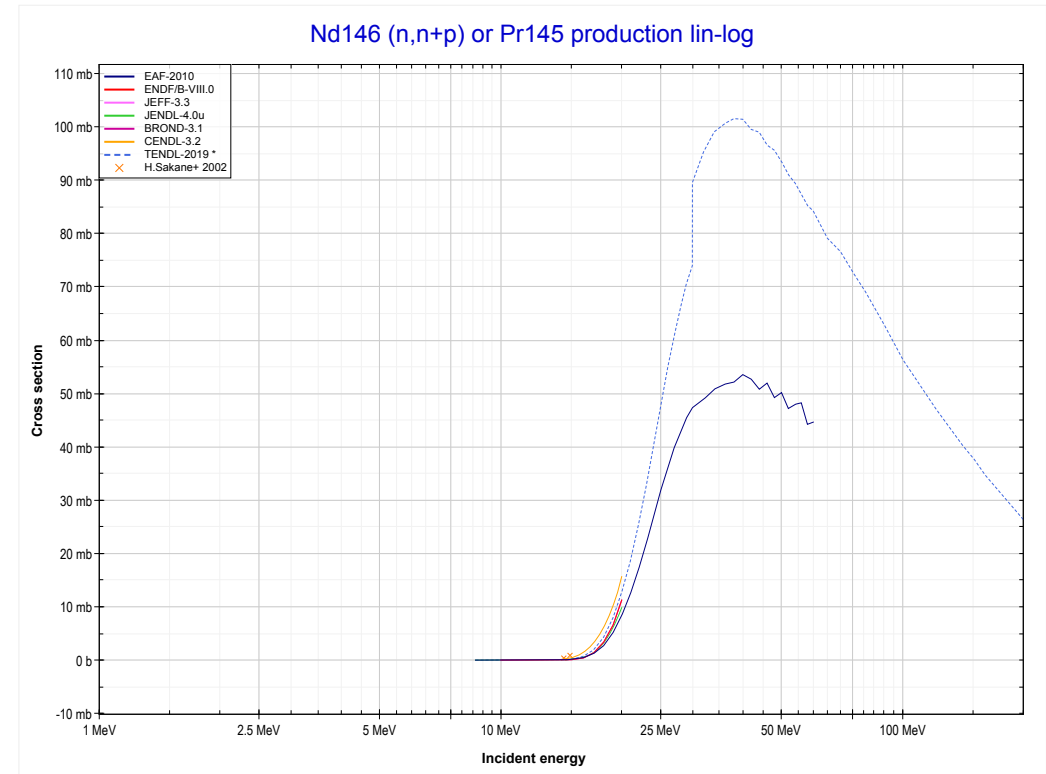
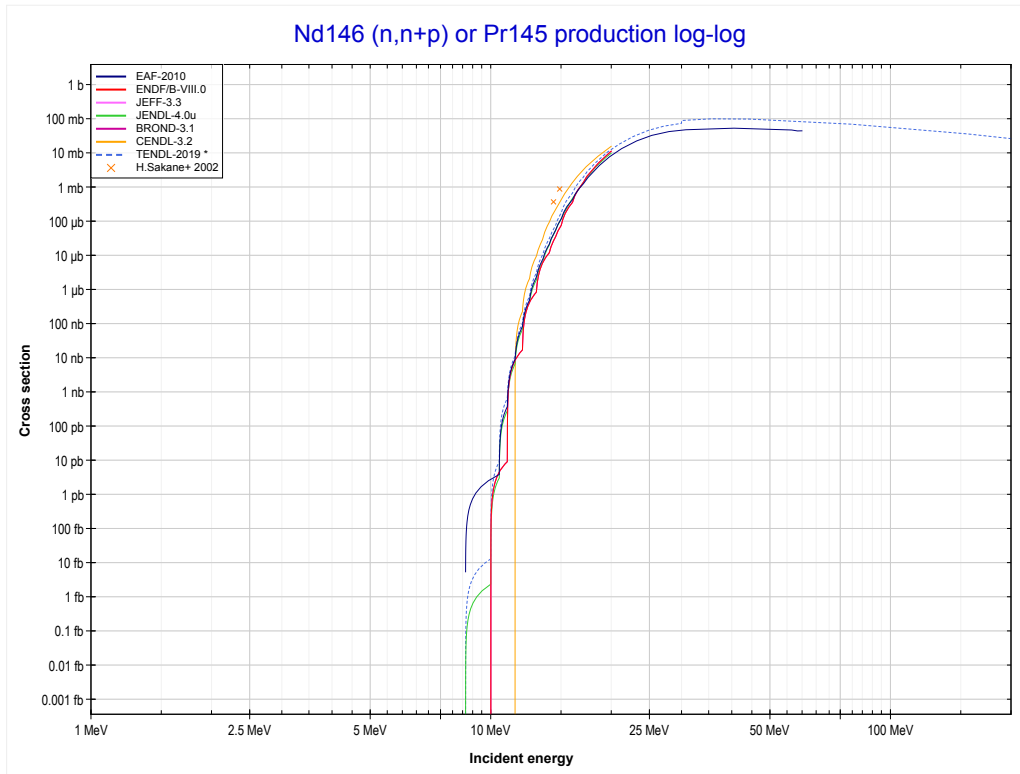
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00755408 b | 1.80205 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00708742 b | 1.82337 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00708742 b | 1.82337 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00787705 b | 1.83437 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00708742 b | 1.82337 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00678971 b | 1.8364 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00625778 b | 1.64659 b |

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|----------------|--|-----------------|
| << 59-Pr-141 | 60-Nd-146 | 60-Nd-148 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Nd144 production) | MT28 (n,n+p) >> |



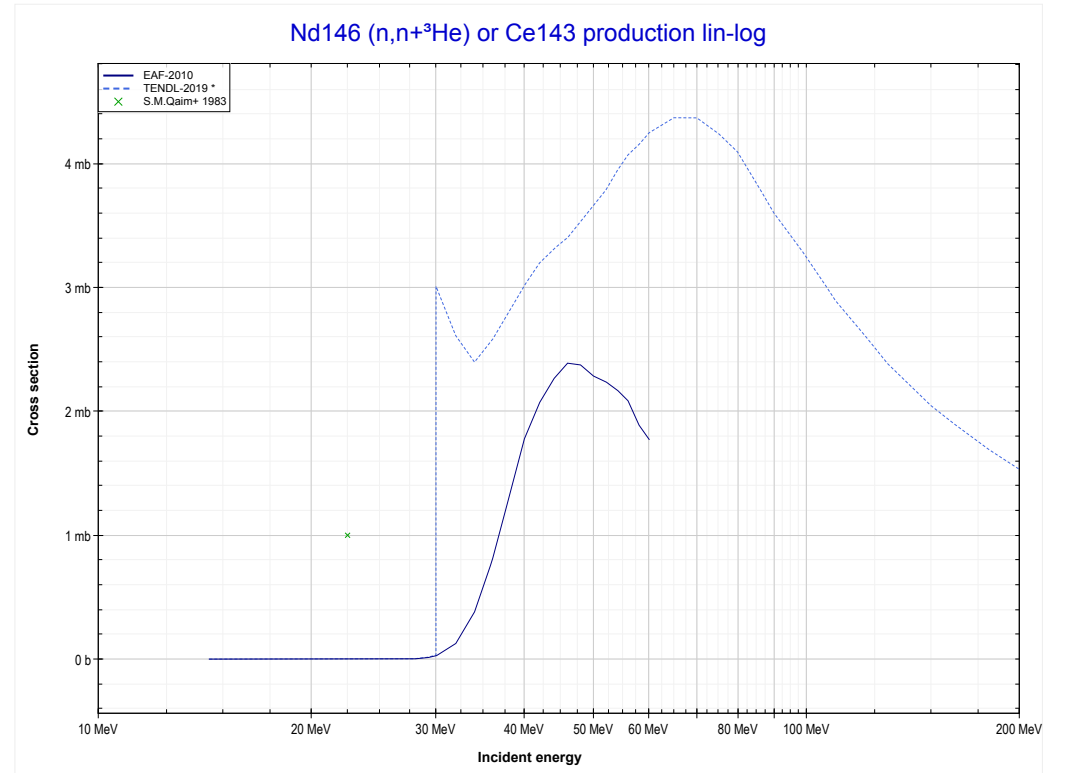
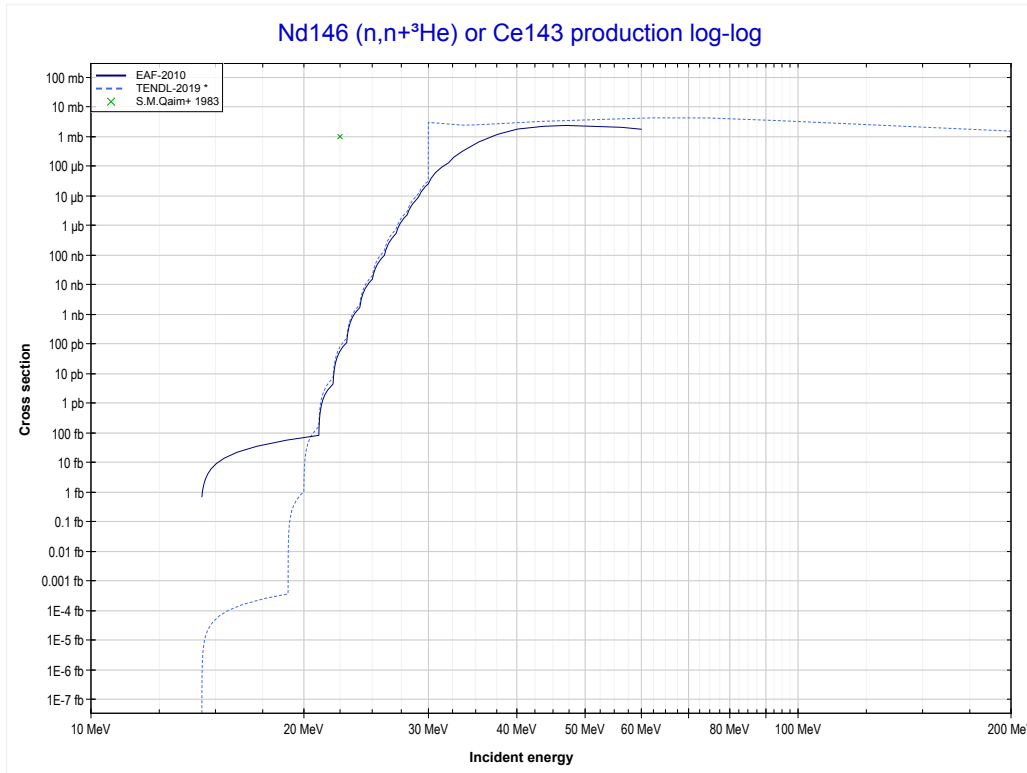
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.17913E-5 b | 0.0445388 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99469E-5 b | 0.00189117 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99469E-5 b | 0.00189117 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.68233E-5 b | 0.00232848 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99469E-5 b | 0.00189117 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89247E-5 b | 0.0020828 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38613E-5 b | 0.00249877 b |

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|----------------|---|--------------------------------|
| << 58-Ce-142 | 60-Nd-146 | 60-Nd-148 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Pr145 production) | MT34 (n,n+ ³ He) >> |



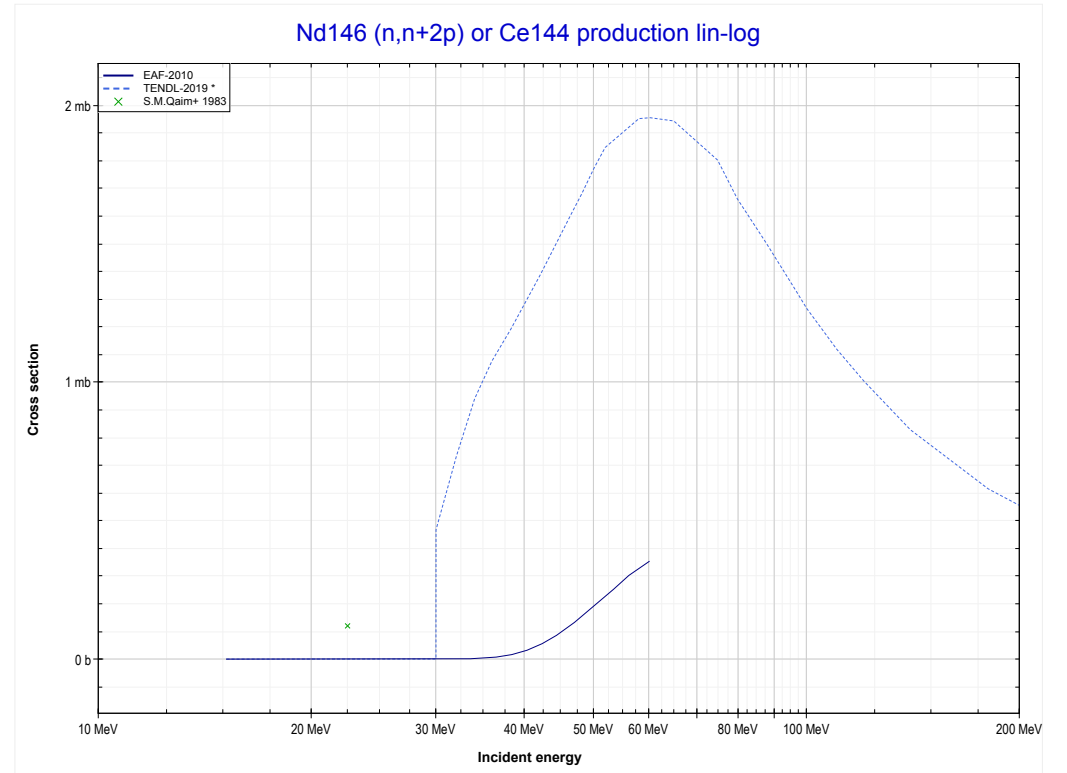
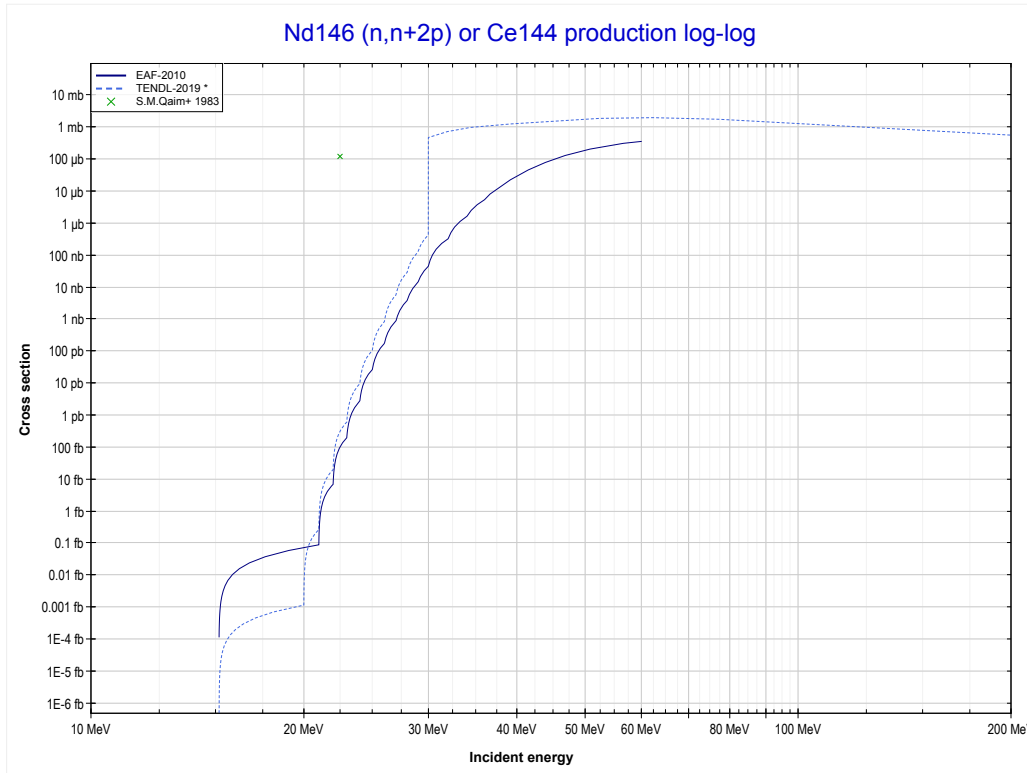
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.6639E-8 b | 1.18088E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.6639E-8 b | 1.18088E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.6322E-8 b | 1.96447E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.6639E-8 b | 1.18088E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5159E-7 b | 9.1426E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.42757E-8 b | 3.01332E-5 b |

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|-----------------|--|------------------|
| << 57-La-139 | 60-Nd-146 | 65-Tb-159 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Ce143 production) | MT44 (n,n+2p) >> |



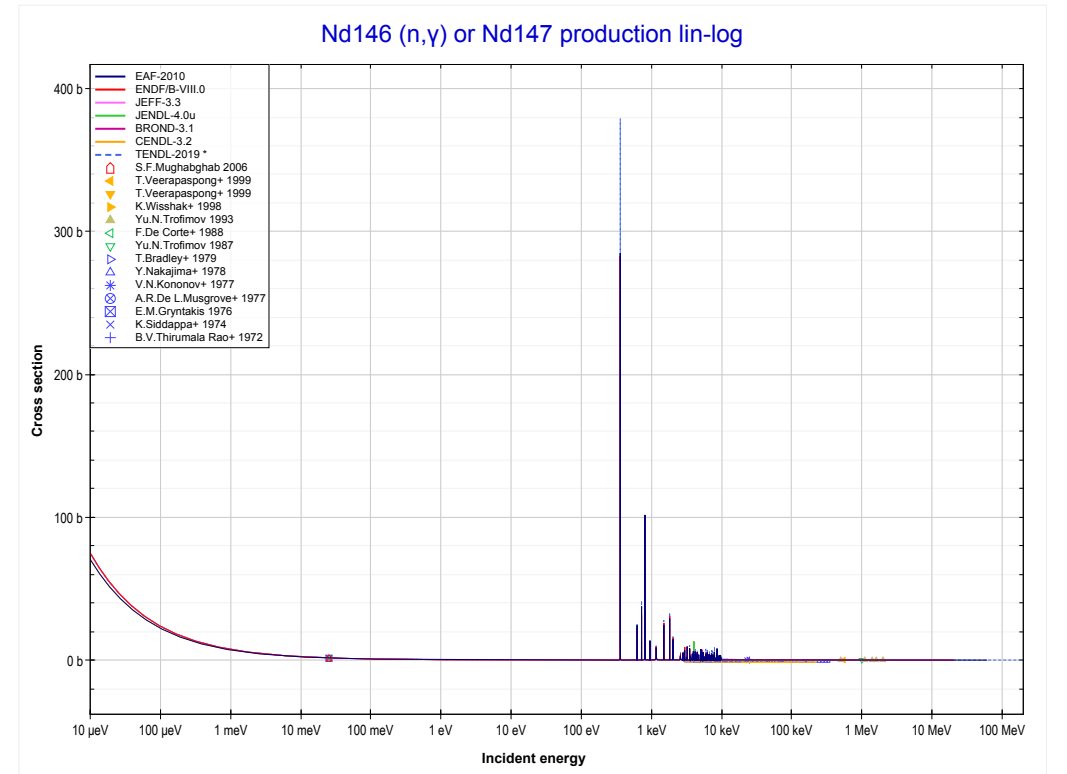
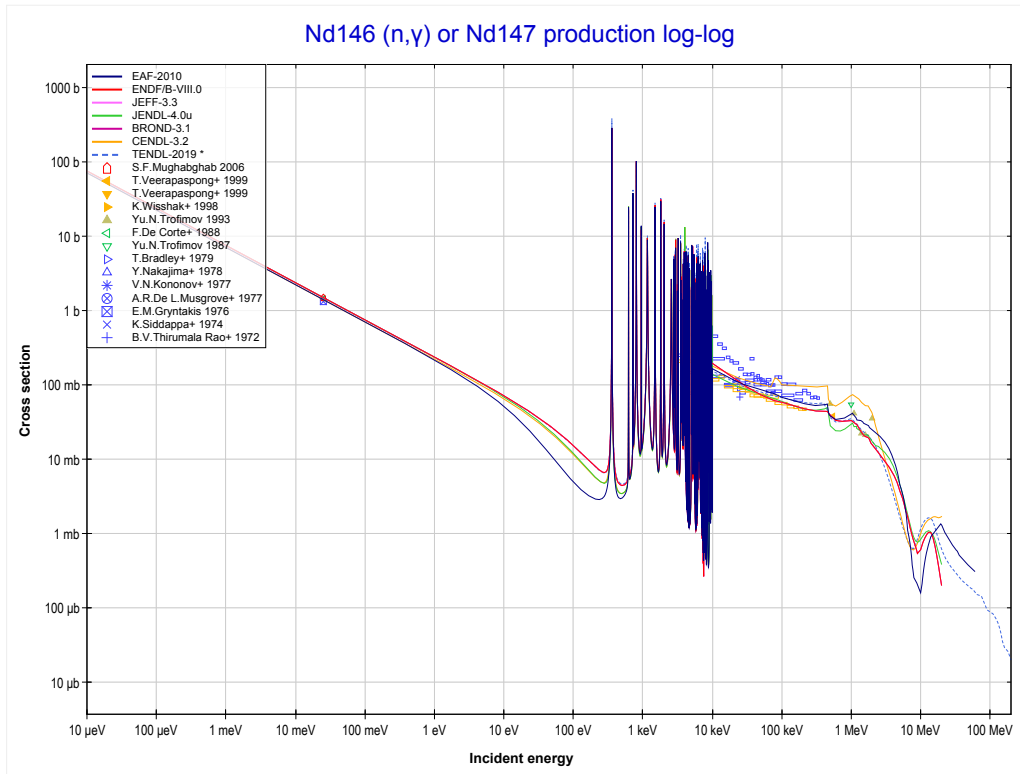
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.78226E-22 b | 0 b |

| | | |
|--------------------------------|--|-------------------------|
| << 58-Ce-142 | 60-Nd-146 | 67-Ho-165 >> |
| << MT34 (n,n+ ³ He) | MT44 (n,n+2p) or MT5 (Ce144 production) | MT102 (n, γ) >> |



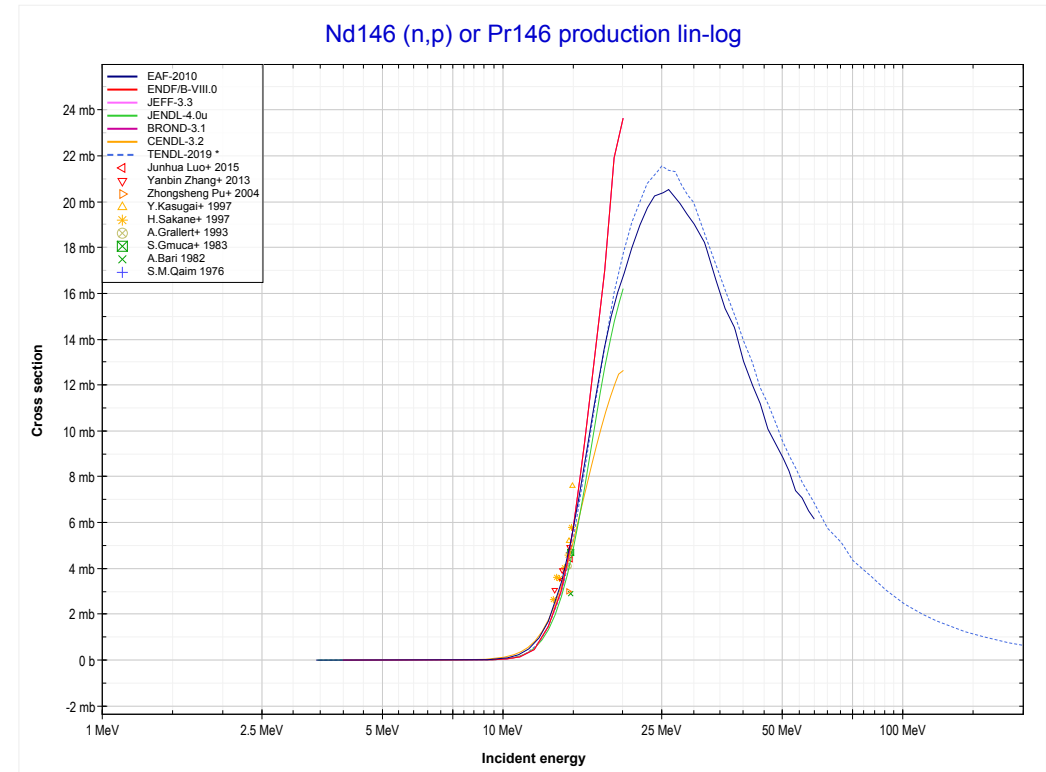
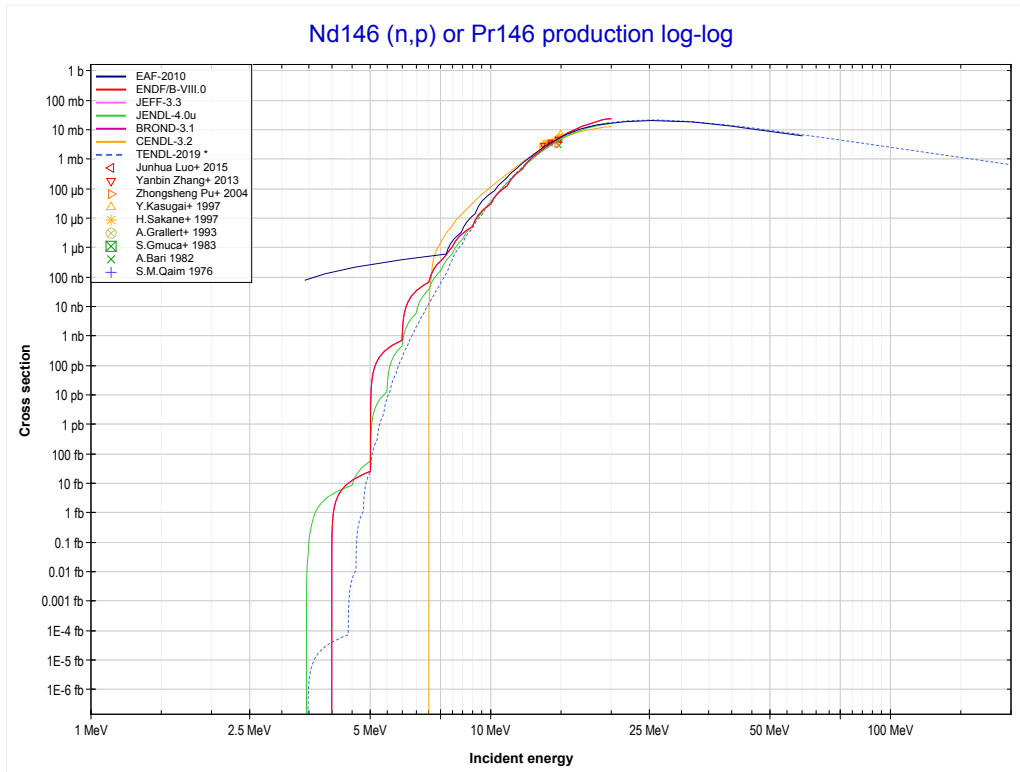
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4825E-23 b | 0 b |

| | | |
|------------------|--|----------------|
| << 60-Nd-145 | 60-Nd-146 | 60-Nd-147 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Nd147 production) | MT103 (n,p) >> |



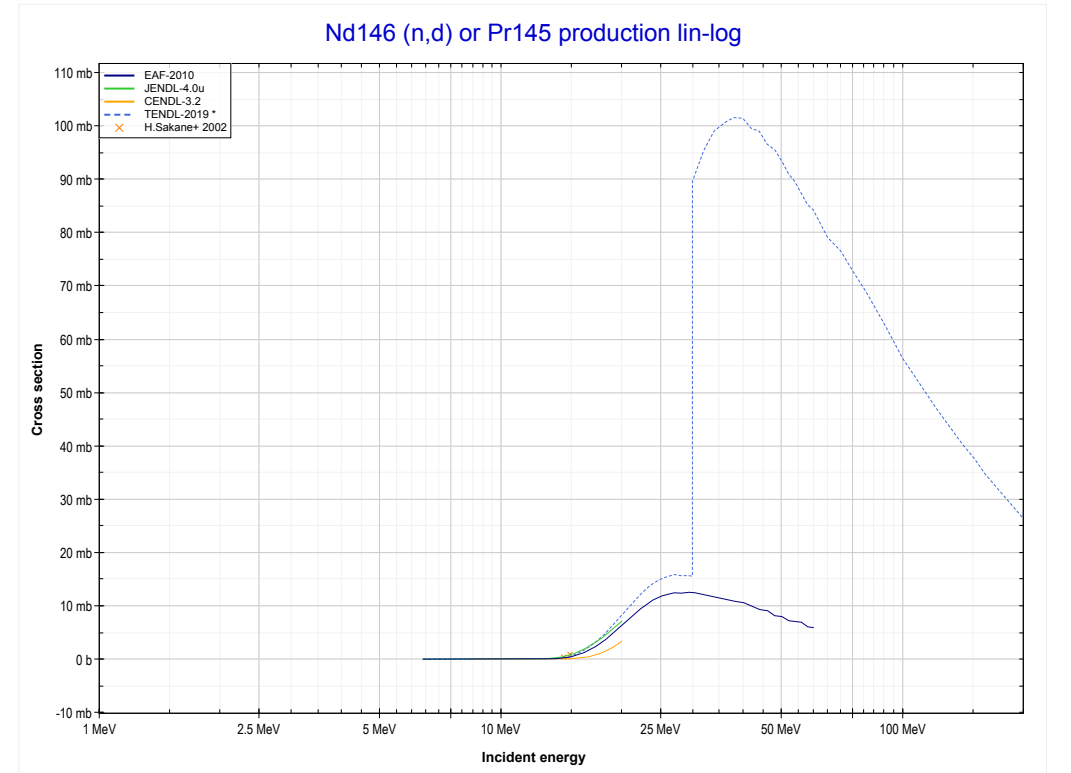
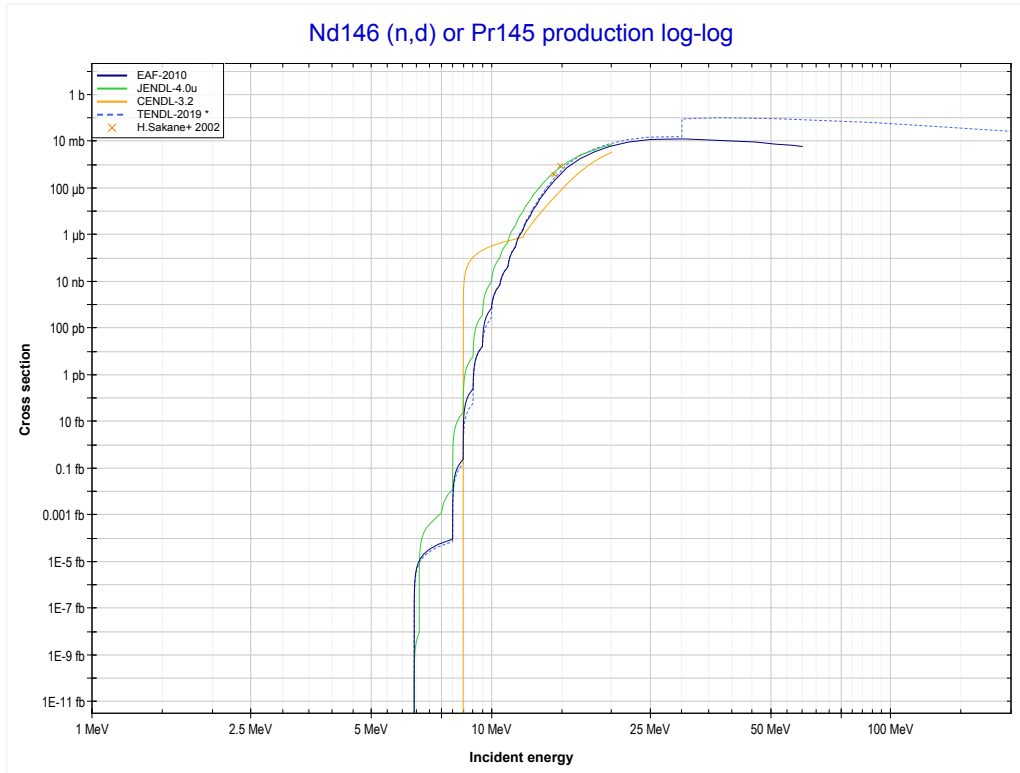
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.40144 b | 1.40039 b | 1.3994 b | 0.99931 | 2.66247 b | 0.0292427 b | 8.94296E-4 b |
| ENDF/B-VIII.0 | 1.48968 b | 1.48968 b | 1.4902 b | 1.00034 | 2.7875 b | 0.022858 b | 0.00102843 b |
| JEFF-3.3 | 1.48968 b | 1.48968 b | 1.4902 b | 1.00034 | 2.7875 b | 0.022858 b | 0.00102843 b |
| JENDL-4.0u | 1.49005 b | 1.49005 b | 1.4905 b | 1.00029 | 2.57678 b | 0.0222027 b | 0.00104789 b |
| BROND-3.1 | 1.48968 b | 1.48968 b | 1.4902 b | 1.00034 | 2.7875 b | 0.022858 b | 0.00102843 b |
| CENDL-3.2 | 1.39936 b | 1.39936 b | 1.3993 b | 0.99995 | 2.71998 b | 0.0453292 b | 0.0015955 b |
| TENDL-2019 | 1.48164 b | 1.48164 b | 1.4816 b | 0.99999 | 3.09883 b | 0.0240883 b | 0.00158951 b |

| | | |
|-------------------------|--|----------------|
| << 60-Nd-145 | 60-Nd-146 | 60-Nd-148 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr146 production) | MT104 (n,d) >> |



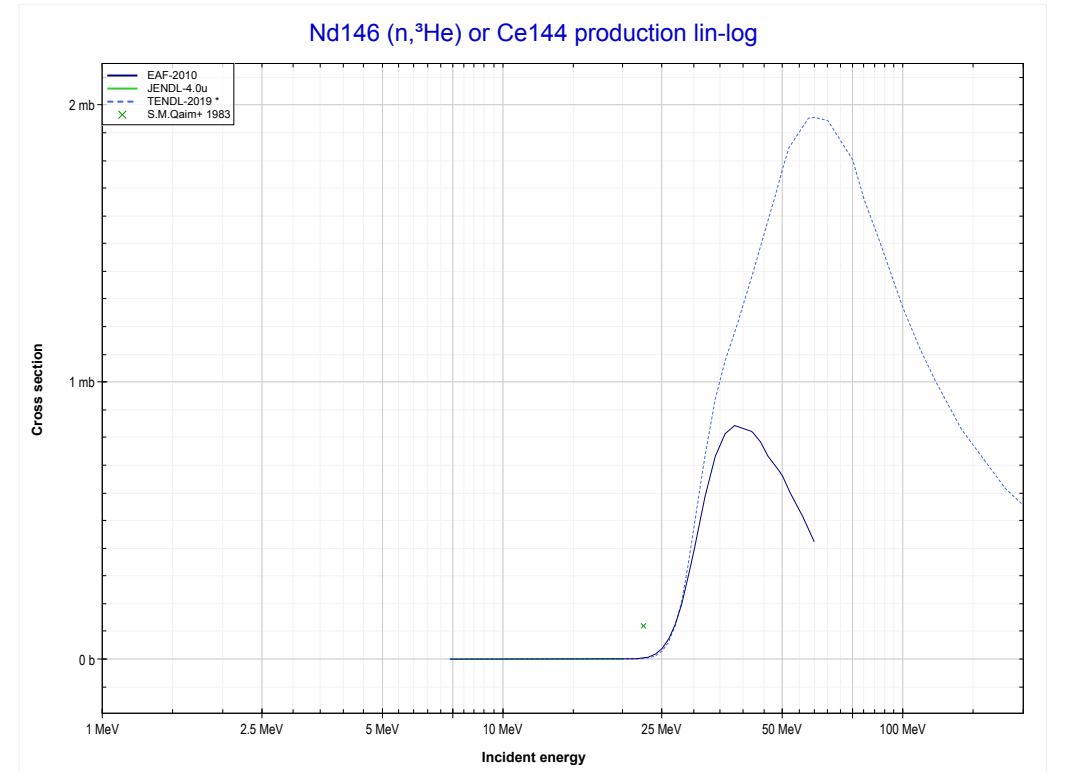
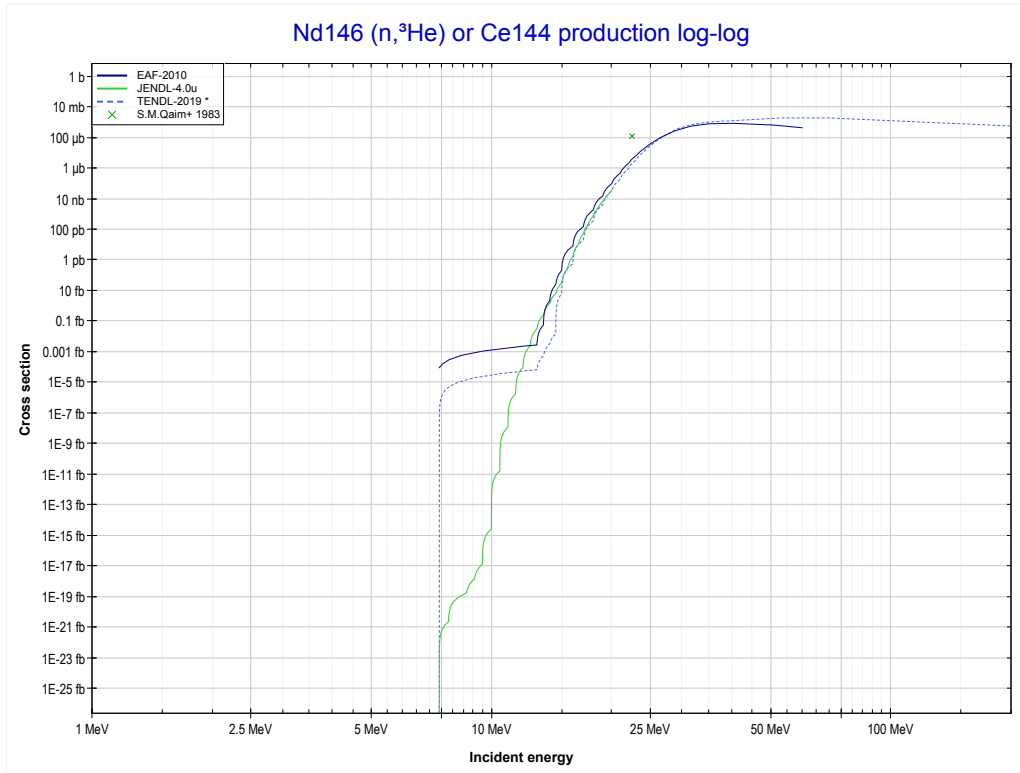
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80555E-6 b | 0.00334832 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58098E-6 b | 0.00298844 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58098E-6 b | 0.00298844 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.38014E-6 b | 0.00271156 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.58098E-6 b | 0.00298844 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.88572E-6 b | 0.0032029 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.48483E-6 b | 0.00290597 b |

| | | |
|----------------|--|-------------------------------|
| << 58-Ce-142 | 60-Nd-146 | 60-Nd-148 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Pr145 production) | MT106 (n, ³ He) >> |



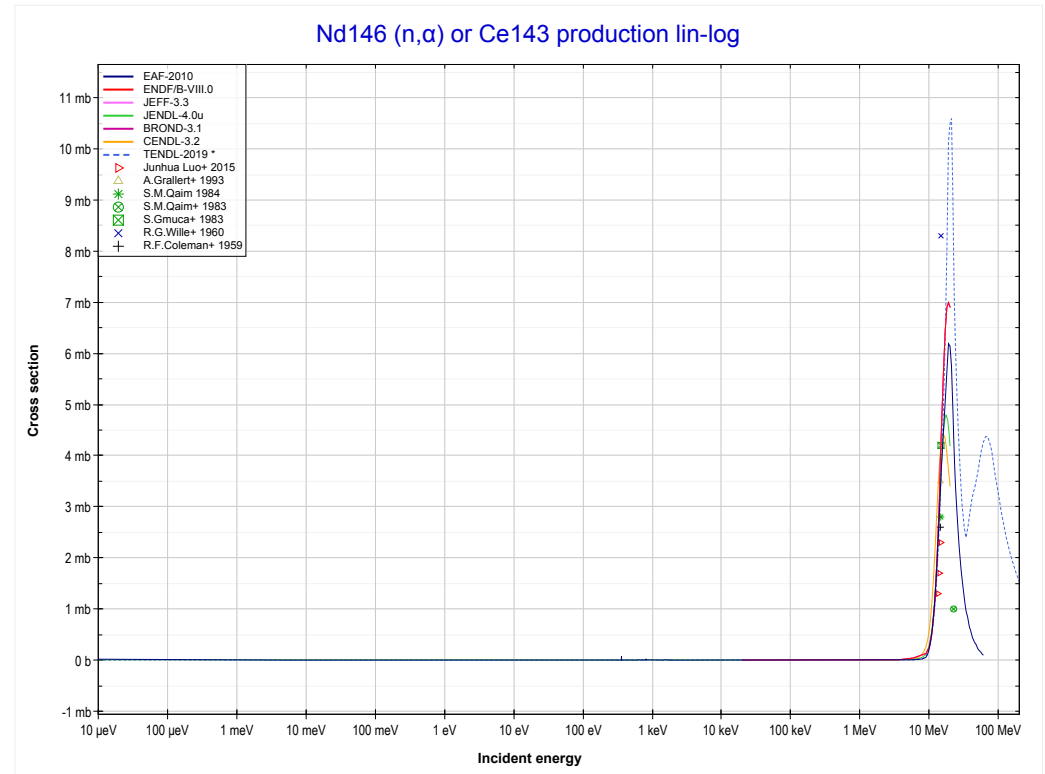
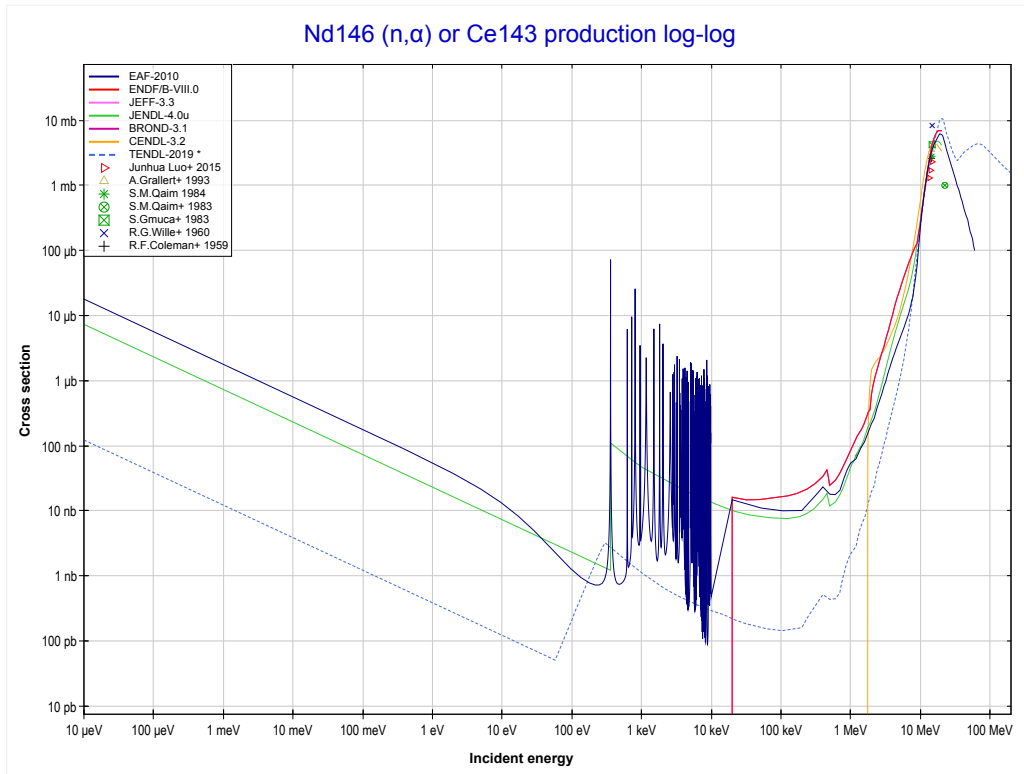
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.08637E-7 b | 1.12533E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.83208E-7 b | 3.10515E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.3521E-8 b | 2.3618E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.45009E-7 b | 1.44147E-4 b |

| | | |
|----------------|---|-------------------------|
| << 58-Ce-142 | 60-Nd-146 | 60-Nd-148 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ce144 production) | MT107 (n, α) >> |



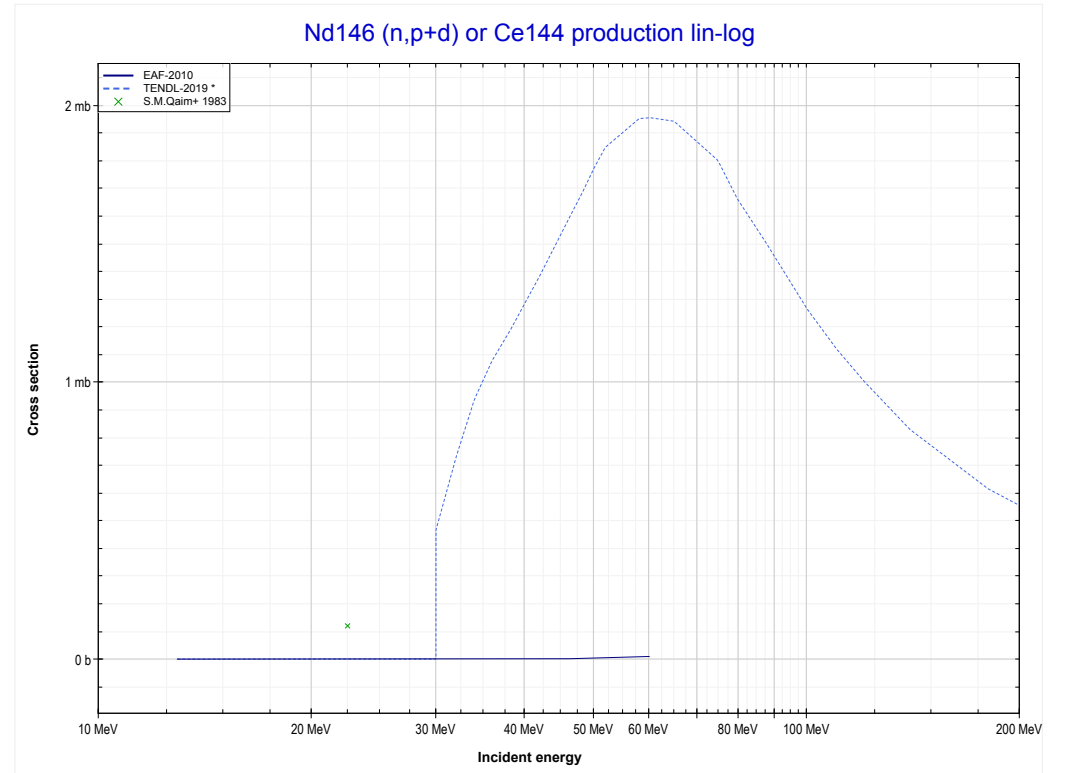
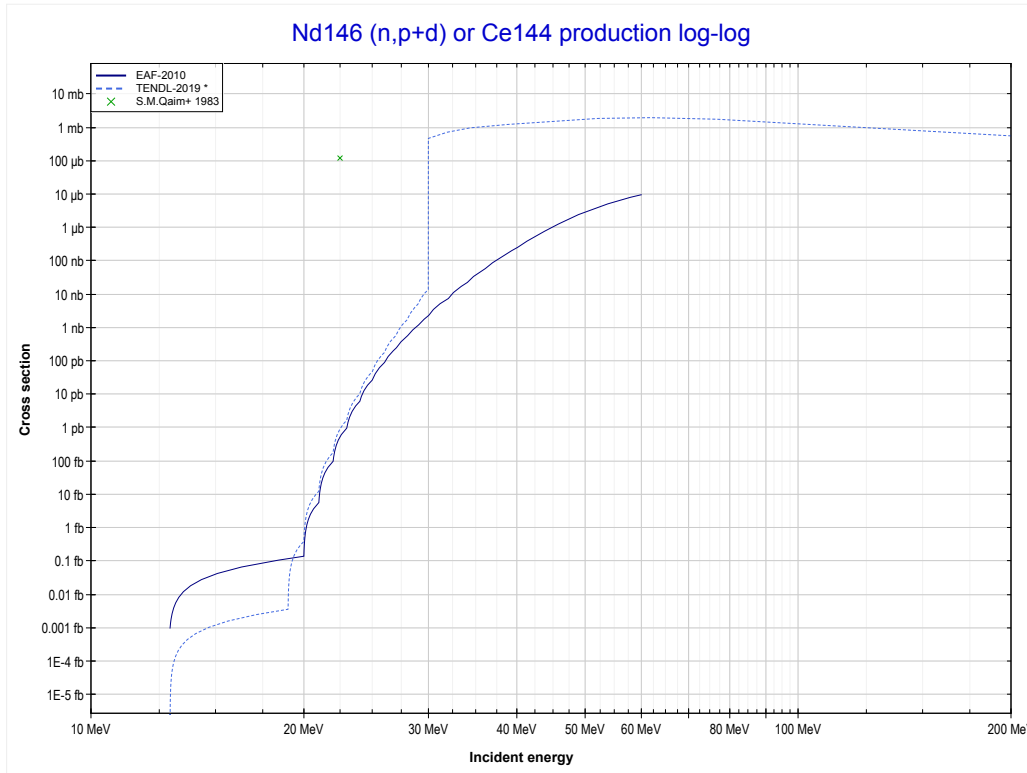
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16608E-13 b | 2.13784E-15 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.90382E-14 b | 1.4218E-15 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.44414E-14 b | 3.203E-18 b |

| | | |
|-------------------------------|--|------------------|
| << 60-Nd-145 | 60-Nd-146 | 60-Nd-148 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ce143 production) | MT115 (n,p+d) >> |



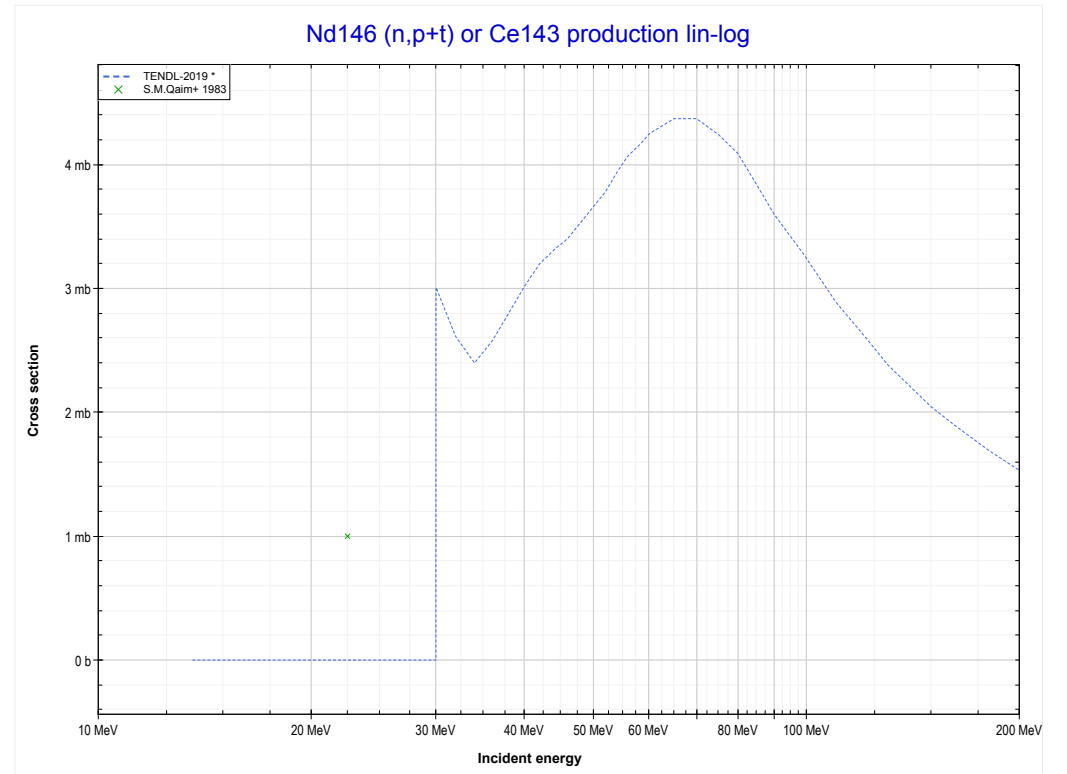
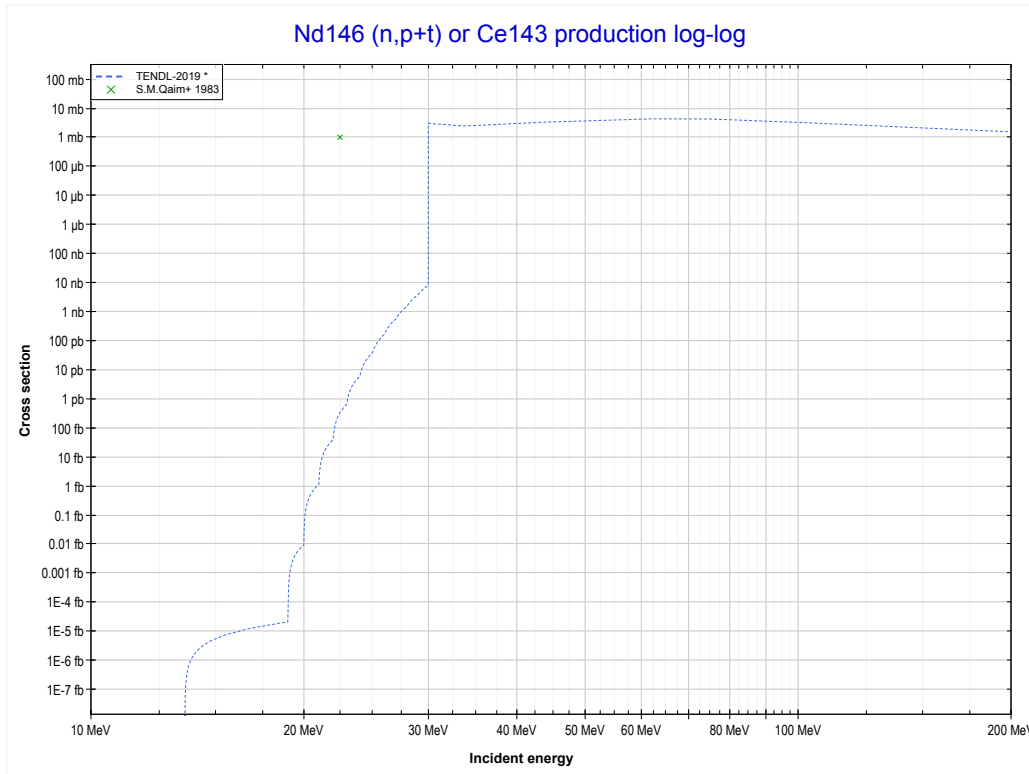
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.5637E-7 b | 3.56103E-7 b | 3.5586E-7 b | 0.99931 | 6.38056E-7 b | 3.07673E-6 b | 0.00284079 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.46652E-8 b | 7.11982E-6 b | 0.00310845 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.46652E-8 b | 7.11982E-6 b | 0.00310845 b |
| JENDL-4.0u | 1.45623E-7 b | 1.45623E-7 b | 1.4568E-7 b | 1.00041 | 2.2046E-7 b | 4.37482E-6 b | 0.00293728 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.46652E-8 b | 7.11982E-6 b | 0.00310845 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.52853E-6 b | 0.0038011 b |
| TENDL-2019 | 2.44229E-9 b | 2.44229E-9 b | 2.4415E-9 b | 0.99967 | 6.54038E-9 b | 2.52683E-6 b | 0.00262988 b |

| | | |
|-------------------------|--|------------------|
| << 58-Ce-142 | 60-Nd-146 | 67-Ho-165 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Ce144 production) | MT116 (n,p+t) >> |



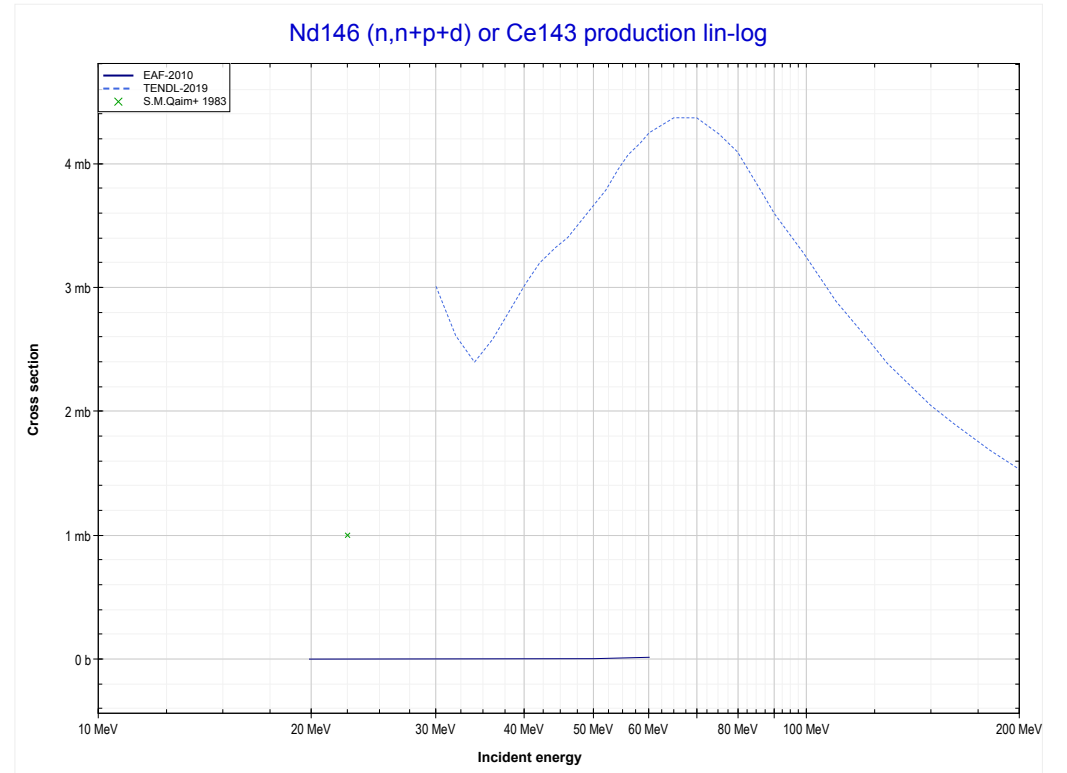
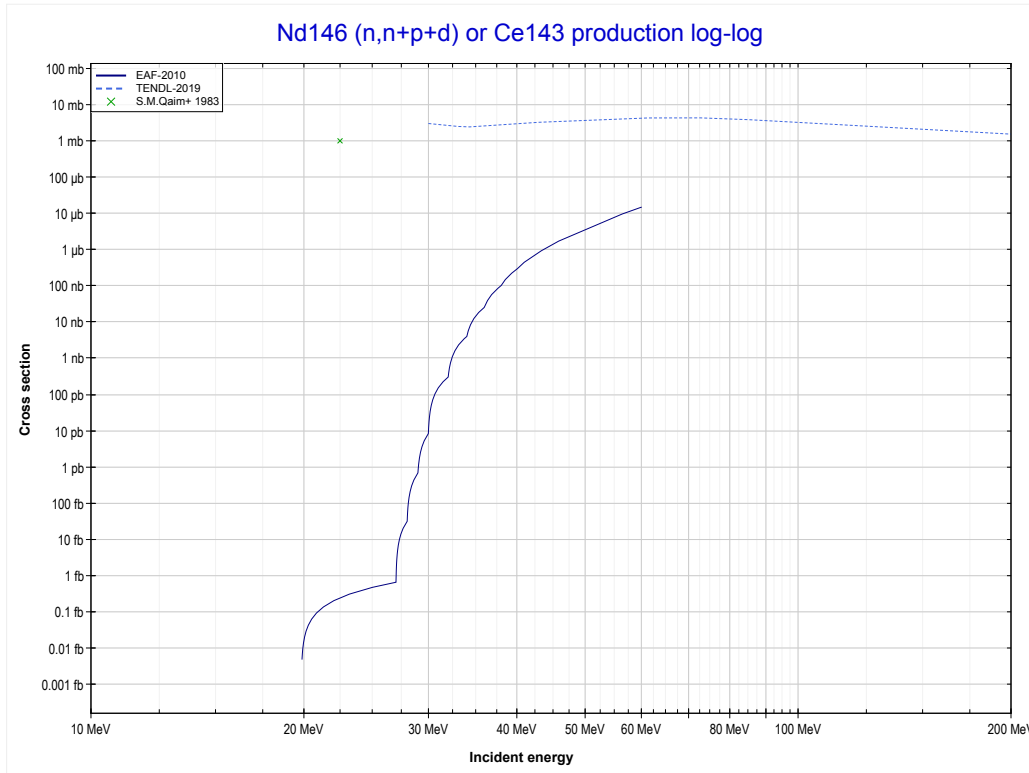
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.89066E-22 b | 6.23144E-19 b |

| | | |
|------------------|--|--------------------|
| << 57-La-139 | 60-Nd-146 | 65-Tb-159 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Ce143 production) | MT183 (n,n+p+d) >> |



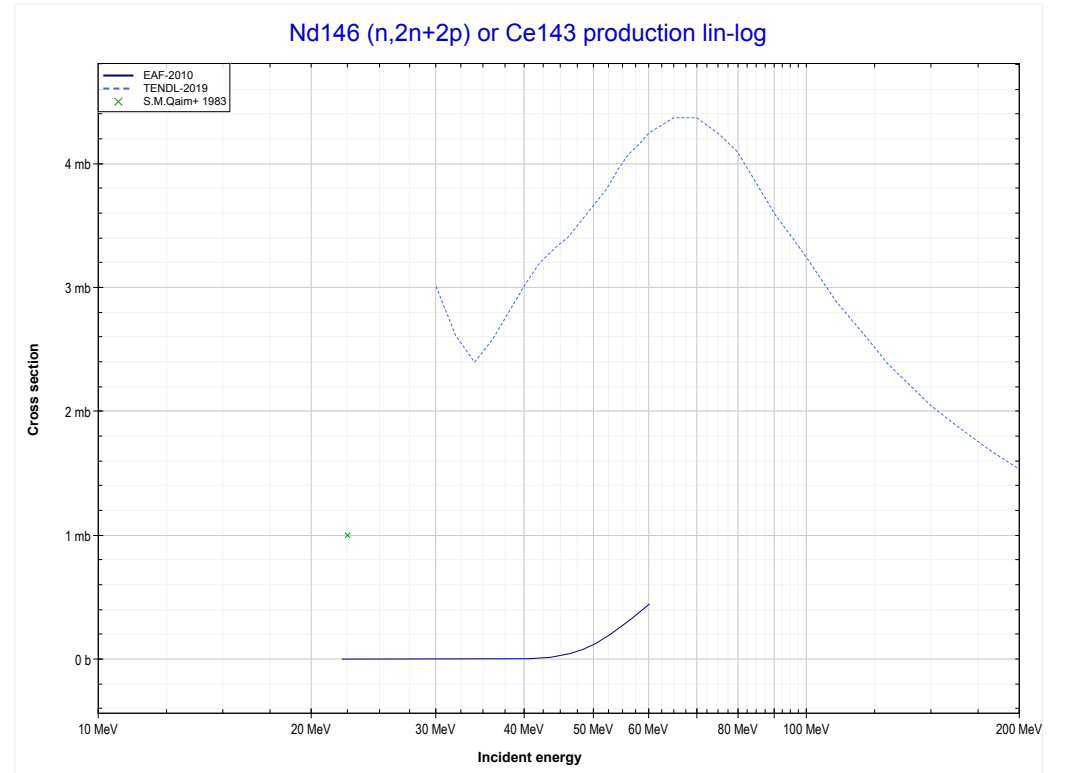
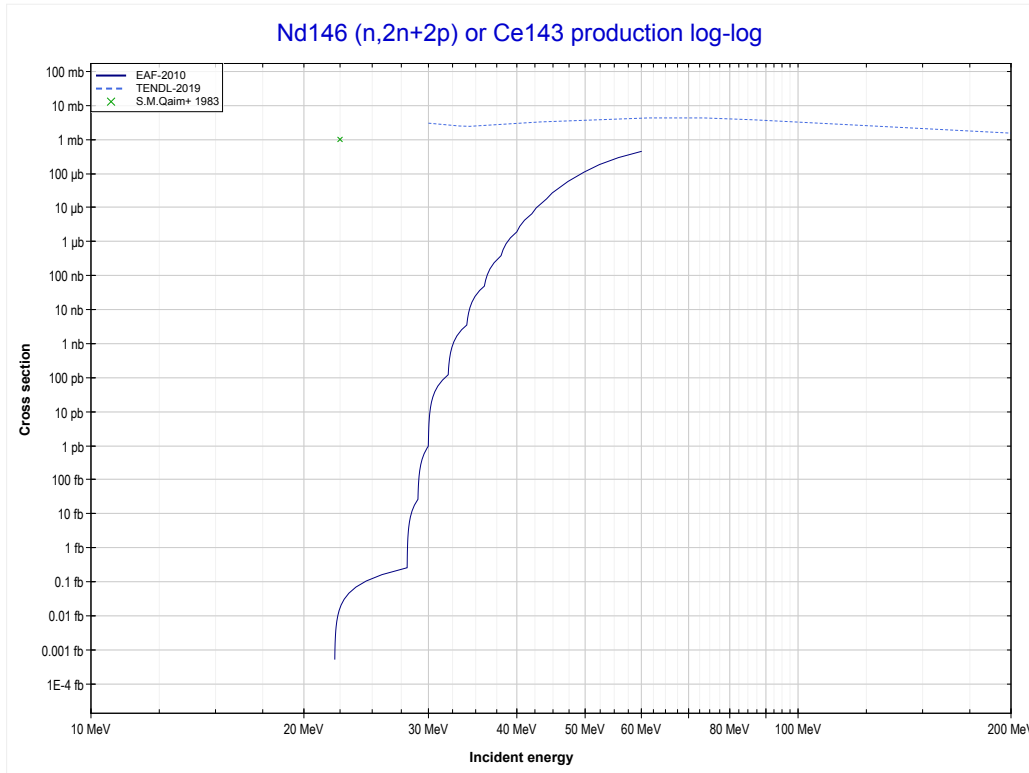
| Reaction | Q-Value |
|--------------------------|---------------|
| Nd146(n, α)Ce143 | 6327.20 keV |
| Nd146(n,p+t)Ce143 | -13486.66 keV |
| Nd146(n,n+He3)Ce143 | -14250.42 keV |
| Nd146(n,2d)Ce143 | -17519.33 keV |
| Nd146(n,n+p+d)Ce143 | -19743.89 keV |
| Nd146(n,2n+2p)Ce143 | -21968.46 keV |

| | | |
|------------------|--|--------------------|
| << 57-La-139 | 60-Nd-146 | 65-Tb-159 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Ce143 production) | MT190 (n,2n+2p) >> |



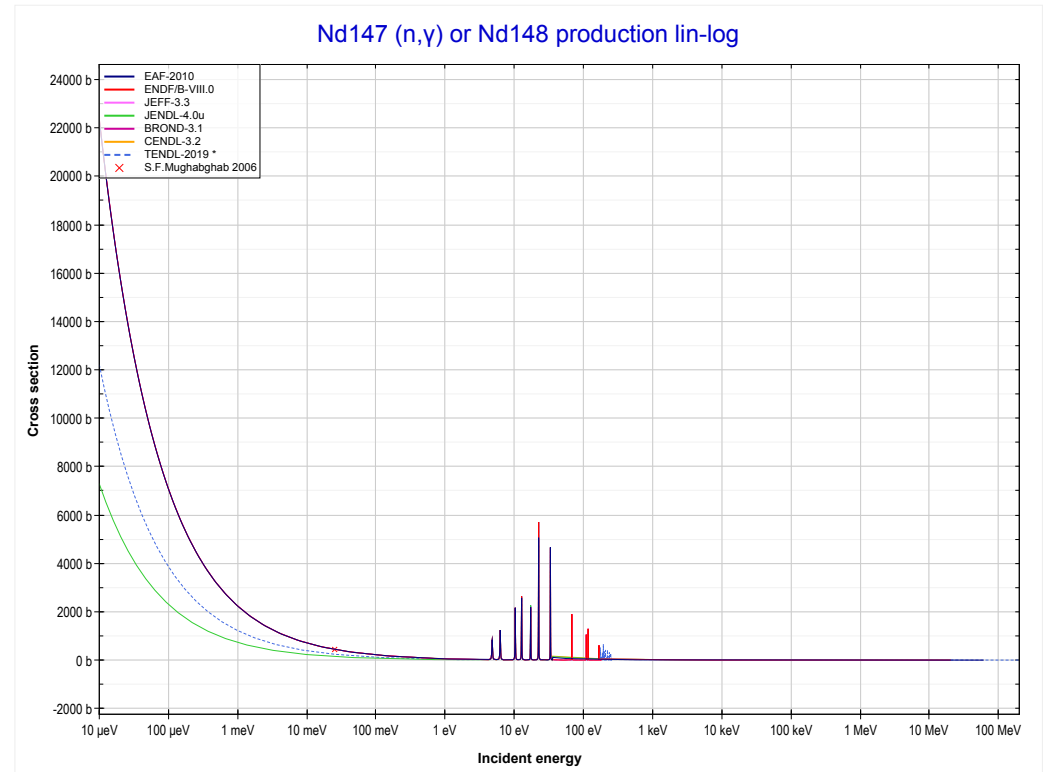
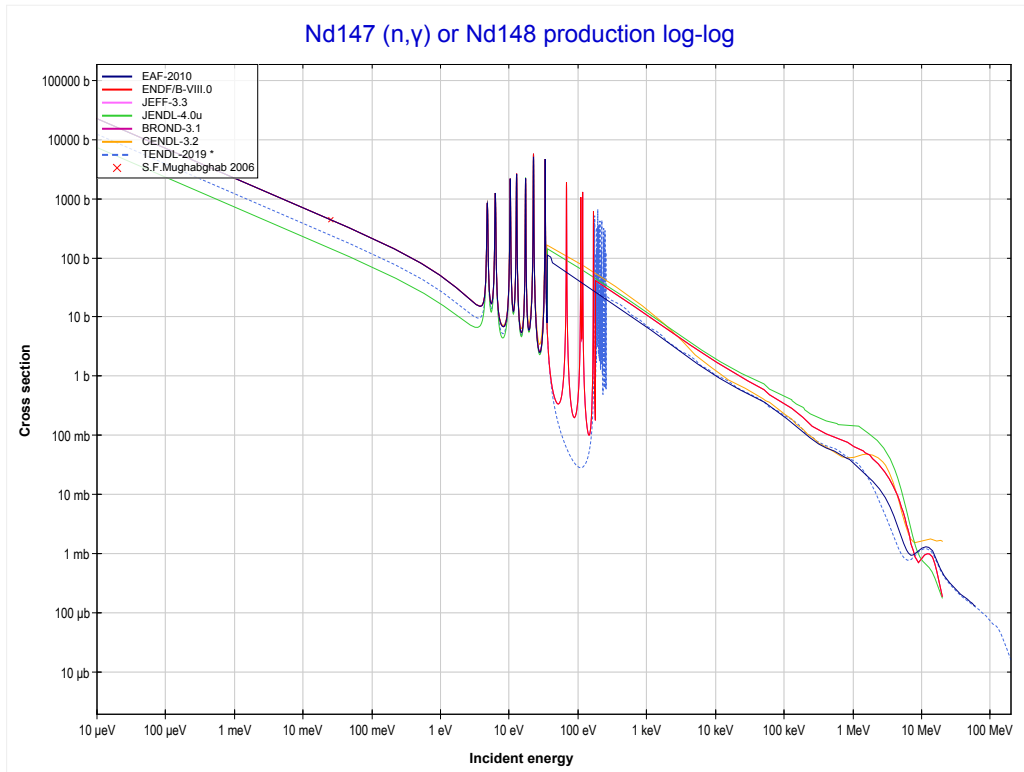
| Reaction | Q-Value |
|--------------------------|---------------|
| Nd146(n, α)Ce143 | 6327.20 keV |
| Nd146(n,p+t)Ce143 | -13486.66 keV |
| Nd146(n,n+He3)Ce143 | -14250.42 keV |
| Nd146(n,2d)Ce143 | -17519.33 keV |
| Nd146(n,n+p+d)Ce143 | -19743.89 keV |
| Nd146(n,2n+2p)Ce143 | -21968.46 keV |

| | | |
|--------------------|--|-----------------------------------|
| << 57-La-139 | 60-Nd-146 | 65-Tb-159 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Ce143 production) | 60-Nd-147 MT102 (n, γ) >> |



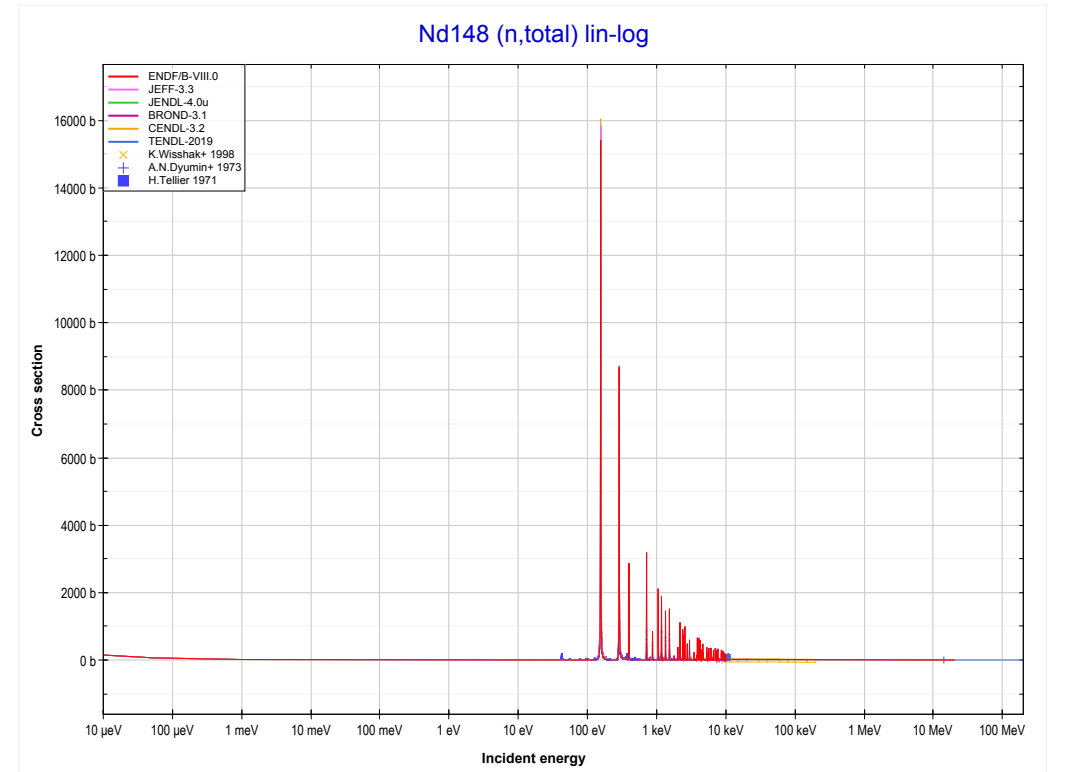
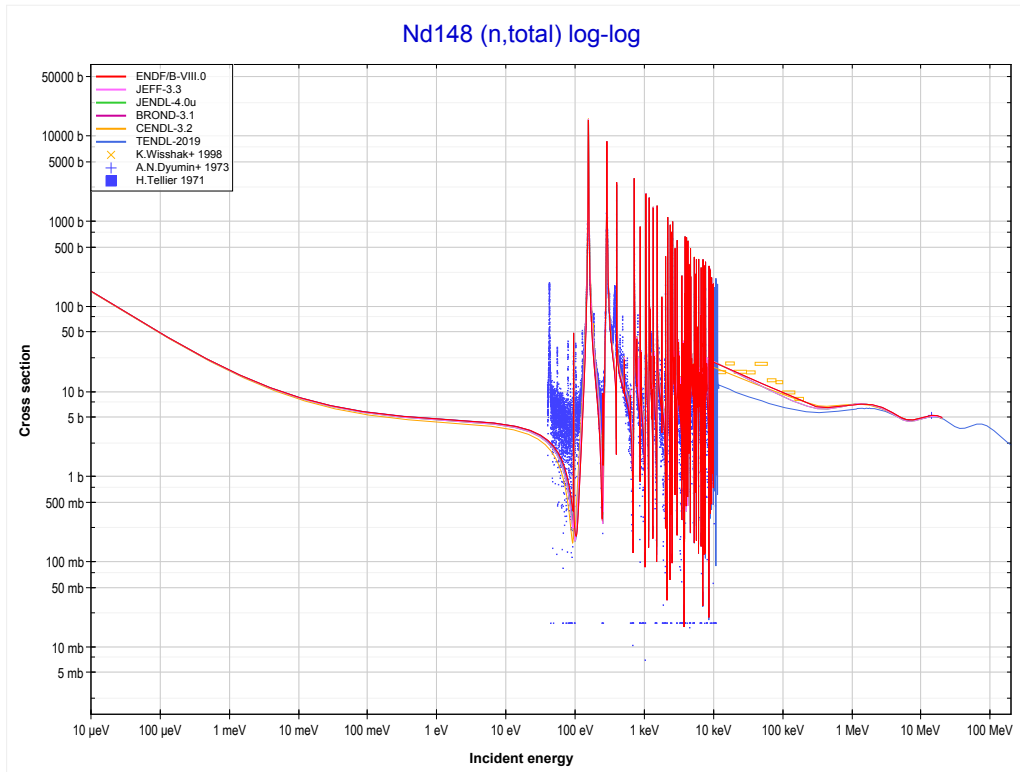
| Reaction | Q-Value |
|--------------------------|---------------|
| Nd146(n, α)Ce143 | 6327.20 keV |
| Nd146(n,p+t)Ce143 | -13486.66 keV |
| Nd146(n,n+He3)Ce143 | -14250.42 keV |
| Nd146(n,2d)Ce143 | -17519.33 keV |
| Nd146(n,n+p+d)Ce143 | -19743.89 keV |
| Nd146(n,2n+2p)Ce143 | -21968.46 keV |

| | | |
|------------------------------|--|----------------------------|
| << 60-Nd-146 | 60-Nd-147 | 60-Nd-148 >> |
| << 60-Nd-146 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (Nd148 production) | 60-Nd-148 MT1 (n,total) >> |



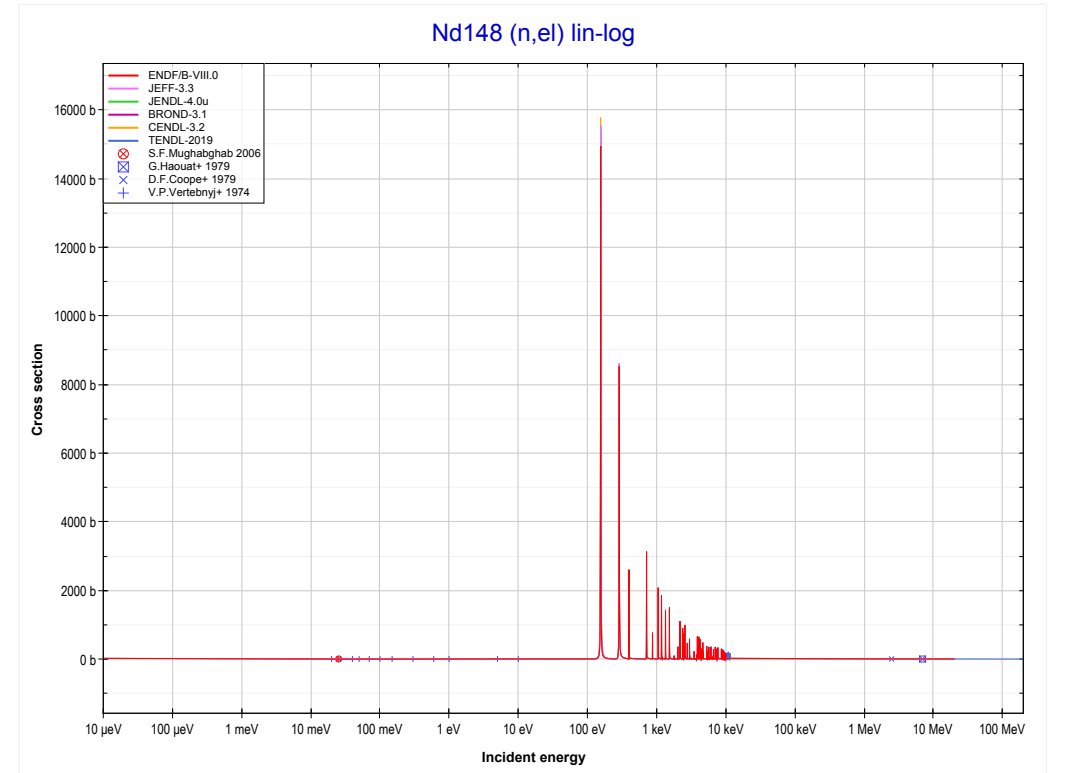
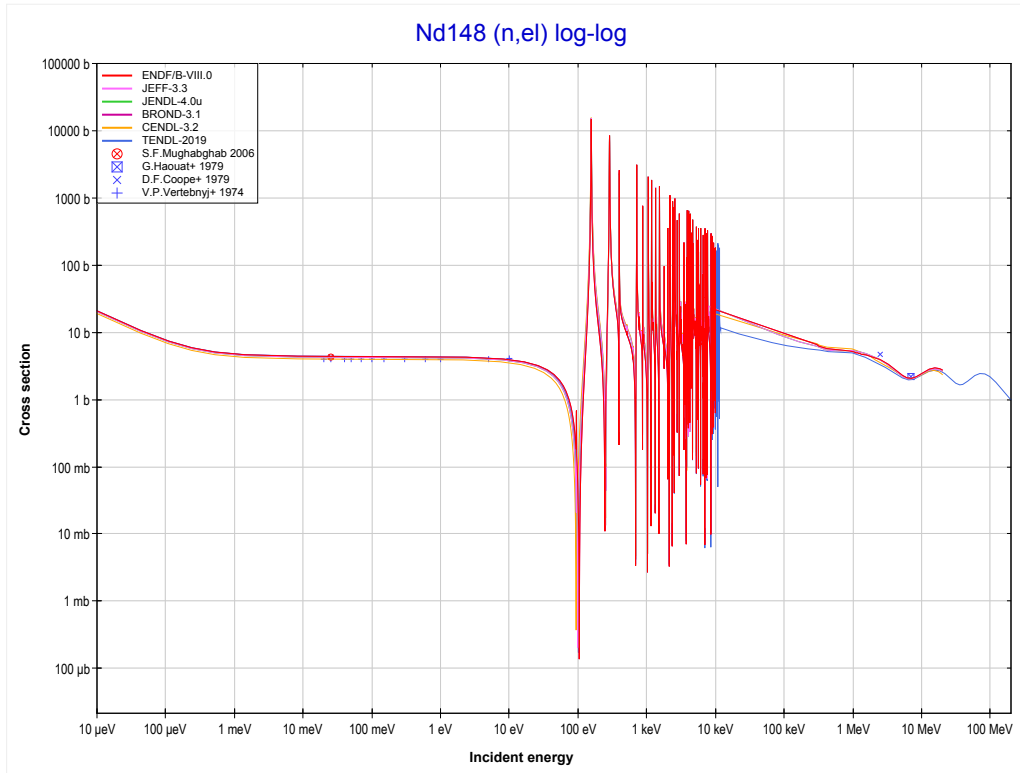
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 440.278 b | 439.942 b | 437.78 b | 0.99507 | 550.329 b | 0.034357 b | 0.00118284 b |
| ENDF/B-VIII.0 | 440.62 b | 440.62 b | 438.71 b | 0.99566 | 524.785 b | 0.0657662 b | 9.315E-4 b |
| JEFF-3.3 | 440.62 b | 440.62 b | 438.71 b | 0.99566 | 524.785 b | 0.0657662 b | 9.315E-4 b |
| JENDL-4.0u | 143.511 b | 143.511 b | 142.93 b | 0.99596 | 573.748 b | 0.121119 b | 5.14802E-4 b |
| BROND-3.1 | 440.62 b | 440.62 b | 438.71 b | 0.99566 | 524.785 b | 0.0657662 b | 9.315E-4 b |
| CENDL-3.2 | 439.959 b | 439.959 b | 437.89 b | 0.99531 | 654.599 b | 0.0498535 b | 0.0017821 b |
| TENDL-2019 | 240.494 b | 240.494 b | 239.39 b | 0.9954 | 445.026 b | 0.0352687 b | 0.00107994 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-146 | 60-Nd-148 | 60-Nd-150 >> |
| << 60-Nd-147 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



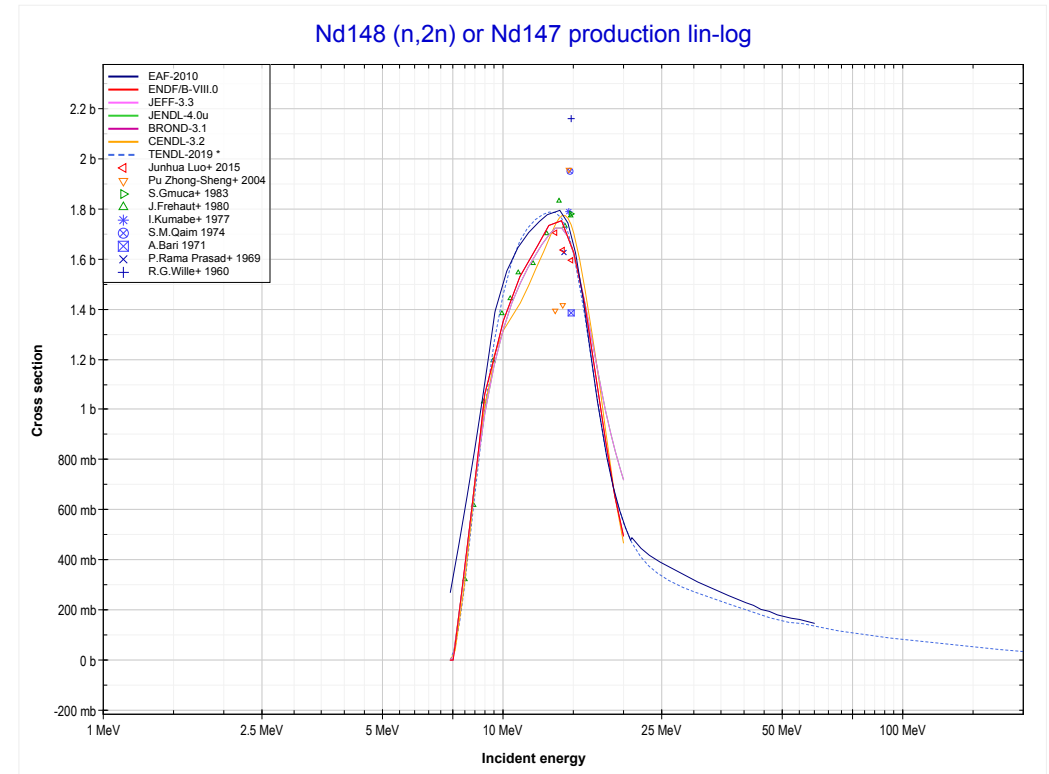
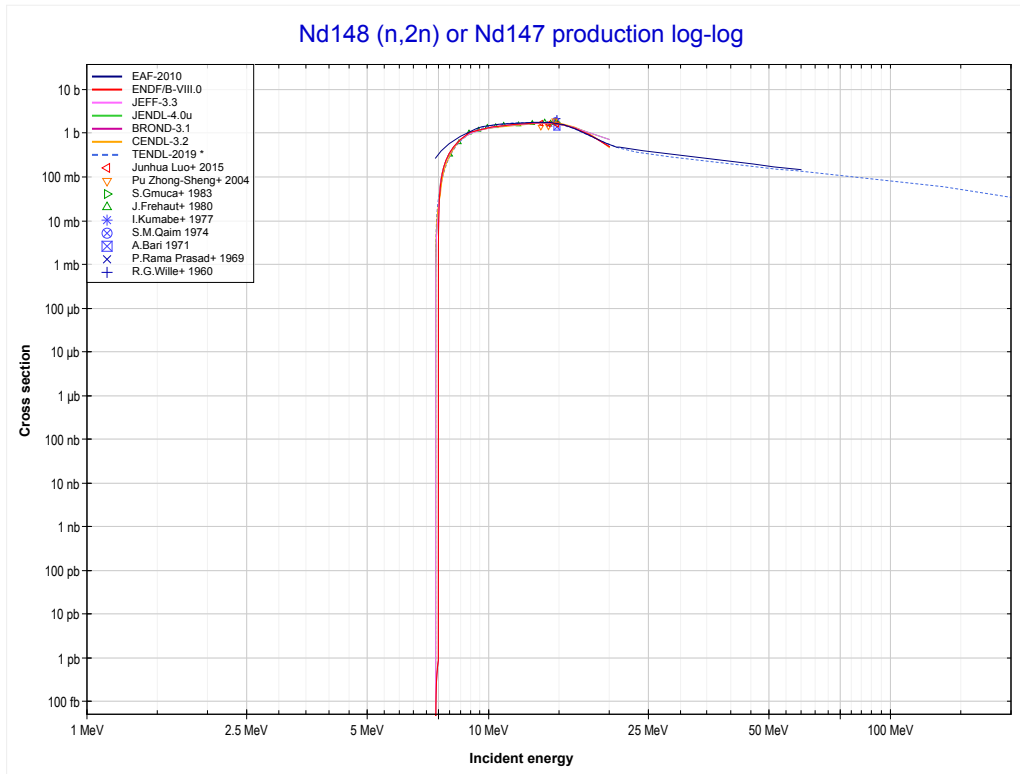
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.9805 b | 6.9805 b | 7.5448 b | 1.08085 | 613.882 b | 6.66029 b | 5.22953 b |
| JEFF-3.3 | 6.85119 b | 6.85119 b | 7.3993 b | 1.08 | 677.326 b | 6.53344 b | 5.08834 b |
| JENDL-4.0u | 6.85119 b | 6.85119 b | 7.3993 b | 1.08 | 677.326 b | 6.53344 b | 5.08834 b |
| BROND-3.1 | 6.9805 b | 6.9805 b | 7.5448 b | 1.08085 | 613.882 b | 6.66029 b | 5.22953 b |
| CENDL-3.2 | 6.59464 b | 6.59464 b | 7.1092 b | 1.07803 | 708.223 b | 6.62175 b | 5.1075 b |
| TENDL-2019 | 7.00375 b | 7.00375 b | 7.5705 b | 1.08092 | 626.68 b | 5.93562 b | 5.03838 b |

| | | |
|------------------|------------------------|----------------|
| << 60-Nd-146 | 60-Nd-148 | 60-Nd-150 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



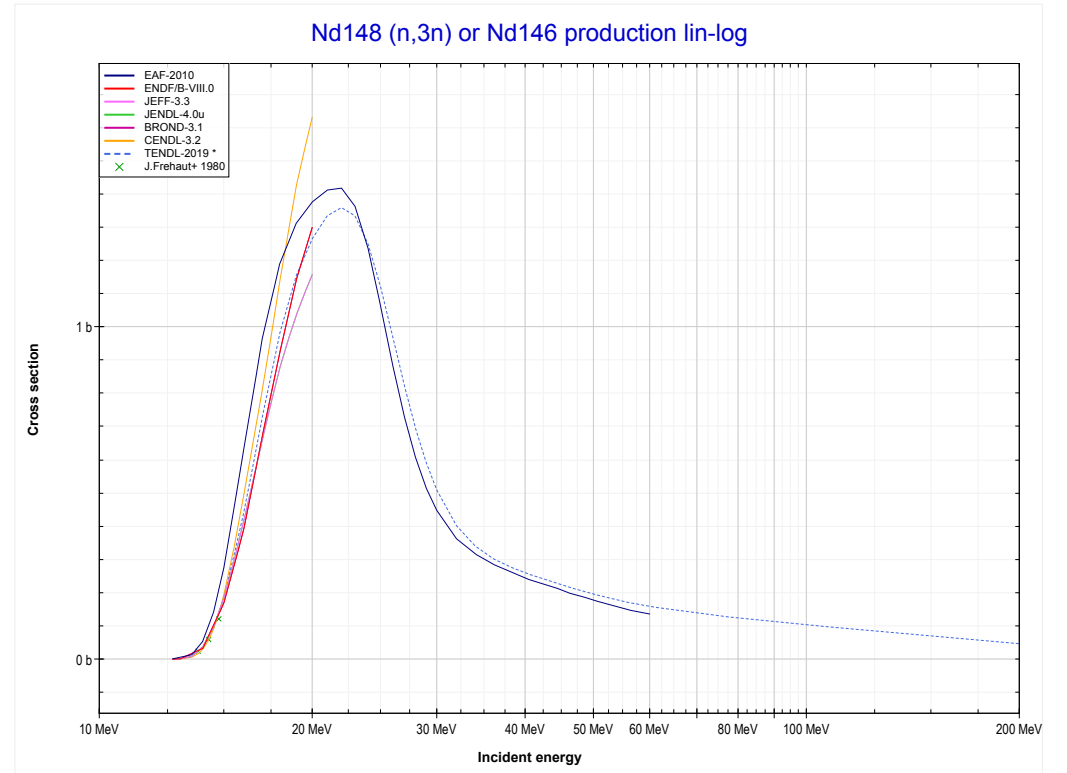
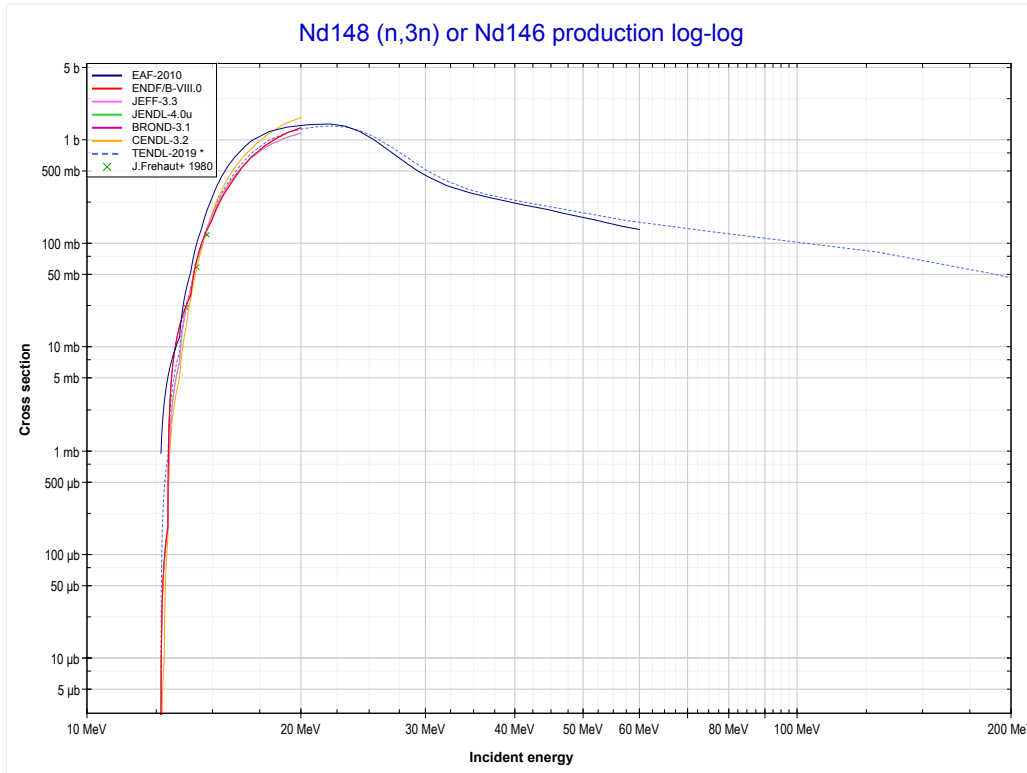
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.39611 b | 4.39611 b | 4.9592 b | 1.12809 | 598.029 b | 4.62897 b | 2.92428 b |
| JEFF-3.3 | 4.26963 b | 4.26963 b | 4.8165 b | 1.12808 | 663.62 b | 4.60062 b | 2.81434 b |
| JENDL-4.0u | 4.26963 b | 4.26963 b | 4.8165 b | 1.12808 | 663.62 b | 4.60062 b | 2.81434 b |
| BROND-3.1 | 4.39611 b | 4.39611 b | 4.9592 b | 1.12809 | 598.029 b | 4.62897 b | 2.92428 b |
| CENDL-3.2 | 4.01368 b | 4.01368 b | 4.5279 b | 1.12812 | 694.471 b | 4.664 b | 2.71295 b |
| TENDL-2019 | 4.4201 b | 4.4201 b | 4.9865 b | 1.12814 | 611.822 b | 4.08115 b | 2.70832 b |

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|--------------------|--|----------------|
| << 60-Nd-146 | 60-Nd-148 | 60-Nd-150 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Nd147 production) | MT17 (n,3n) >> |



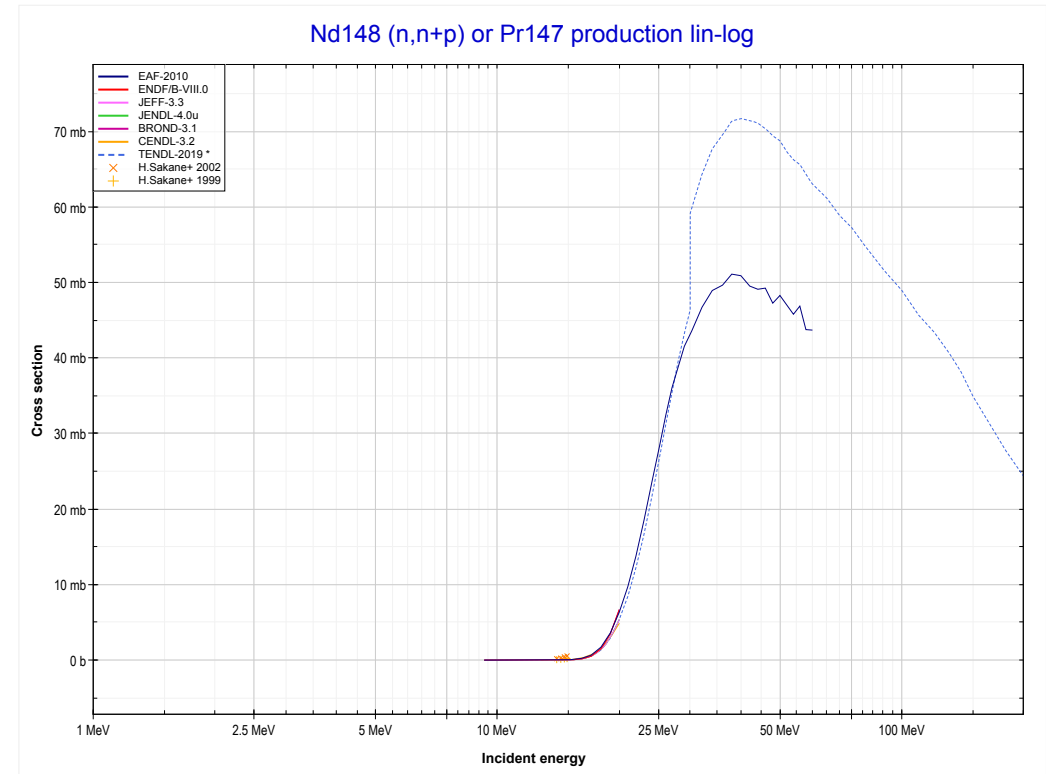
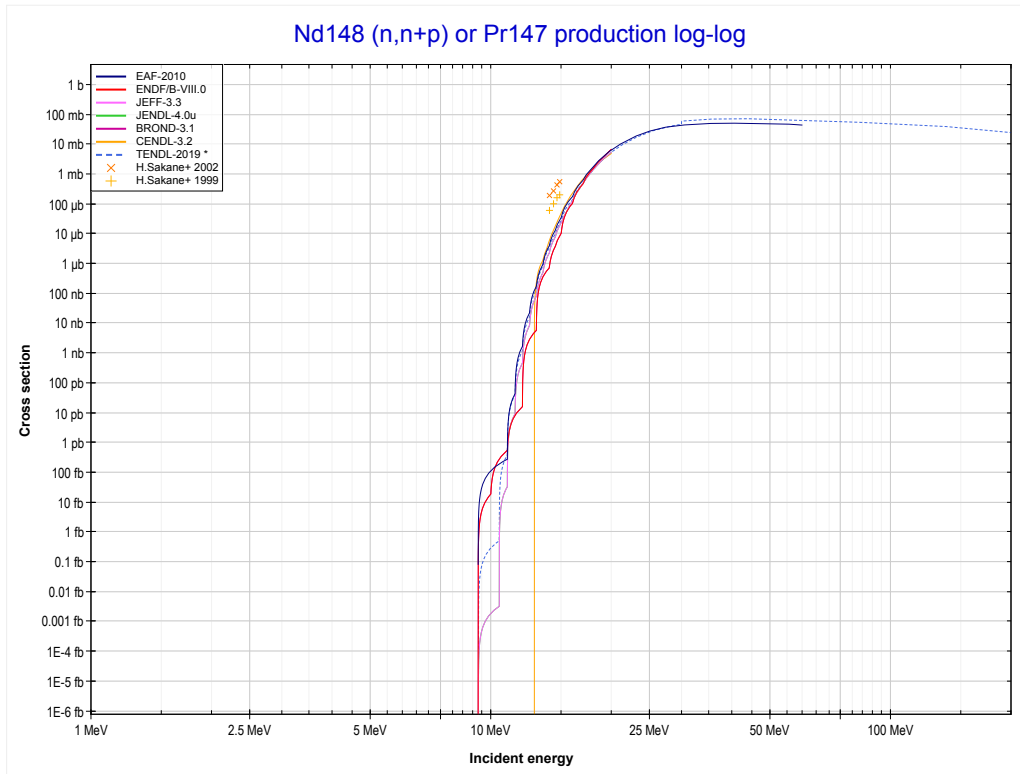
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00980691 b | 1.78368 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00856458 b | 1.75277 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00837401 b | 1.72444 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00837401 b | 1.72444 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00856458 b | 1.75277 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00815995 b | 1.7725 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00853782 b | 1.76374 b |

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|----------------|--|-----------------|
| << 60-Nd-146 | 60-Nd-148 | 60-Nd-150 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Nd146 production) | MT28 (n,n+p) >> |



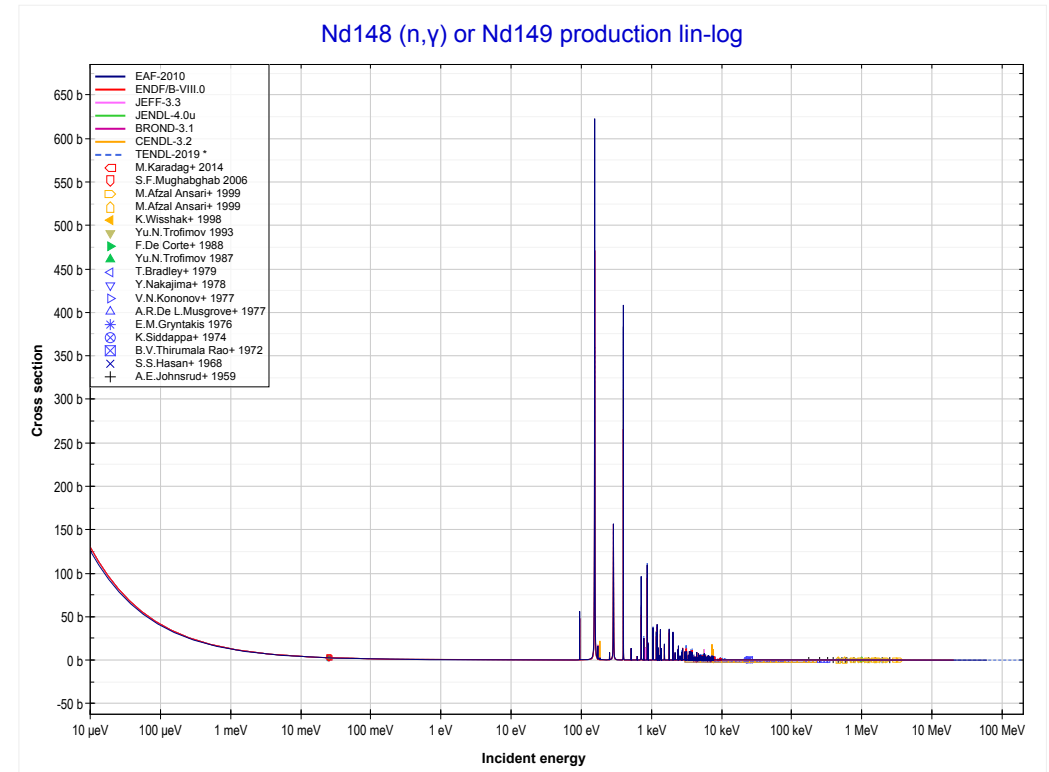
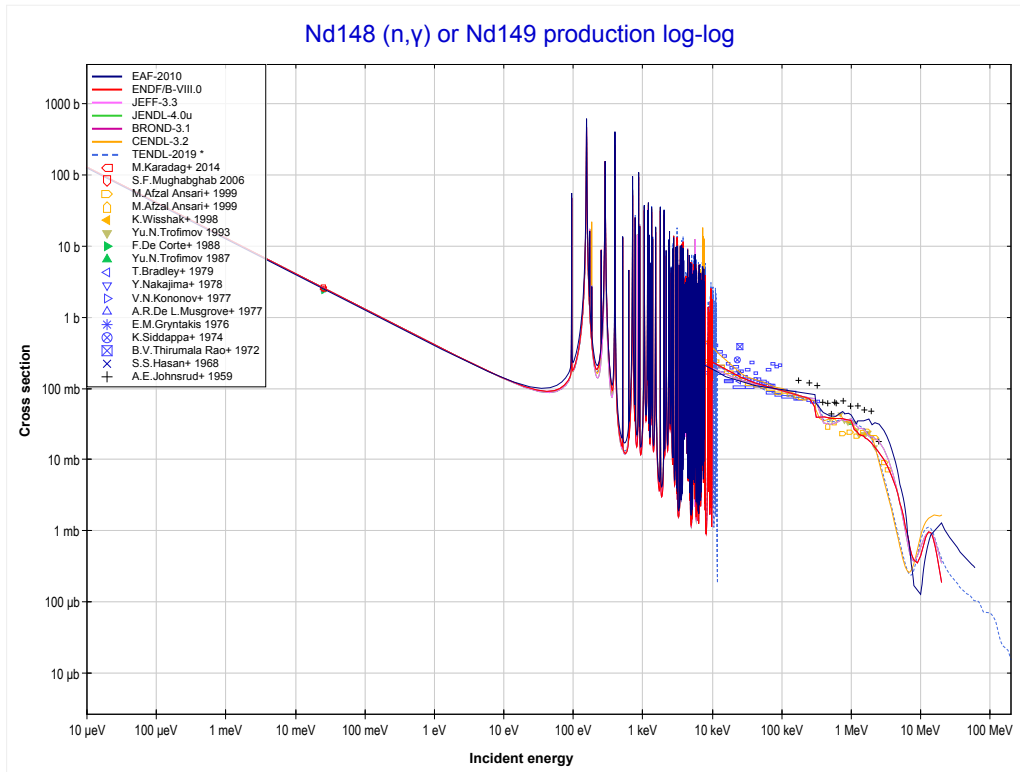
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.93252E-5 b | 0.0527485 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.40843E-5 b | 0.0317198 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.37423E-5 b | 0.0355516 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.37423E-5 b | 0.0355516 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.40843E-5 b | 0.0317198 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.89846E-5 b | 0.028926 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.61094E-5 b | 0.0365507 b |

| | | |
|----------------|---|-------------------------|
| << 60-Nd-146 | 60-Nd-148 | 62-Sm-152 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Pr147 production) | MT102 (n, γ) >> |



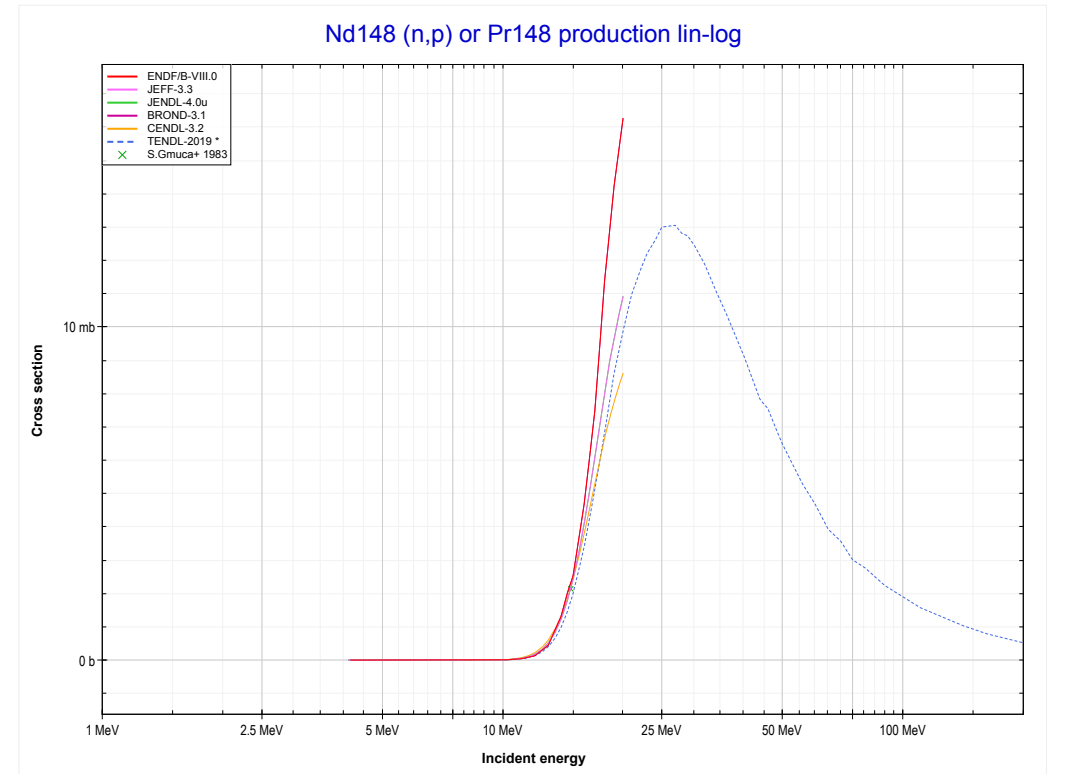
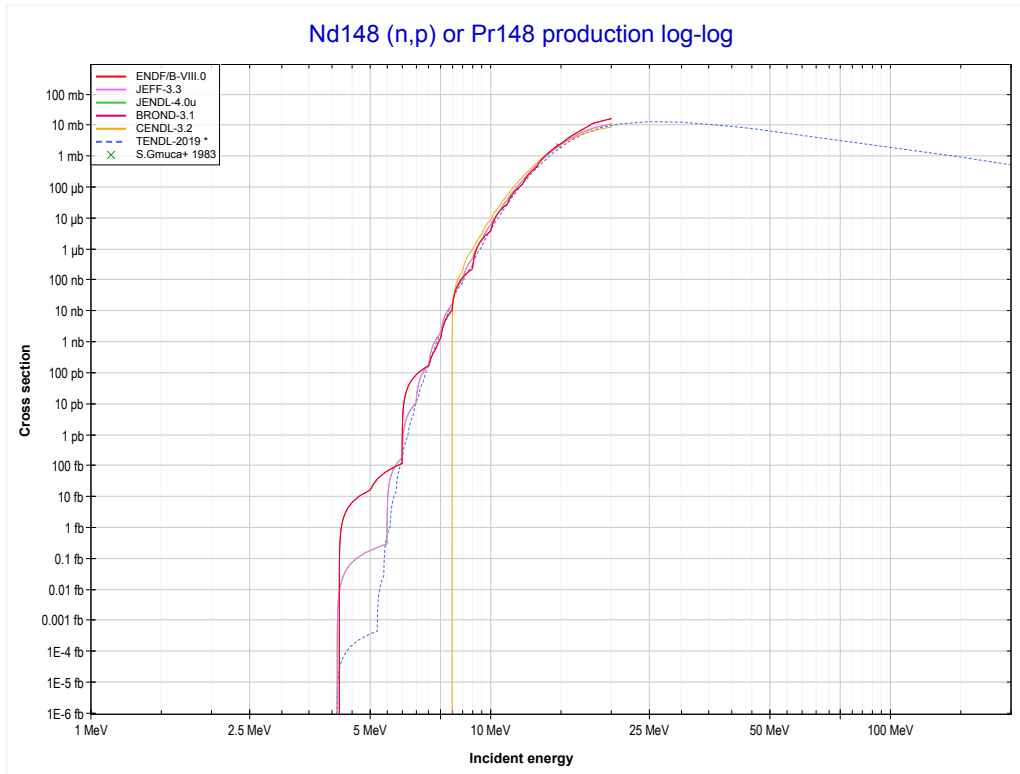
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.8417E-8 b | 7.04742E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.5941E-8 b | 2.19558E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.5941E-8 b | 2.19558E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.8417E-8 b | 7.04742E-7 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.18572E-8 b | 5.642E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.70365E-8 b | 3.33371E-6 b |

| | | |
|-----------------|--|----------------|
| << 60-Nd-147 | 60-Nd-148 | 60-Nd-150 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Nd149 production) | MT103 (n,p) >> |



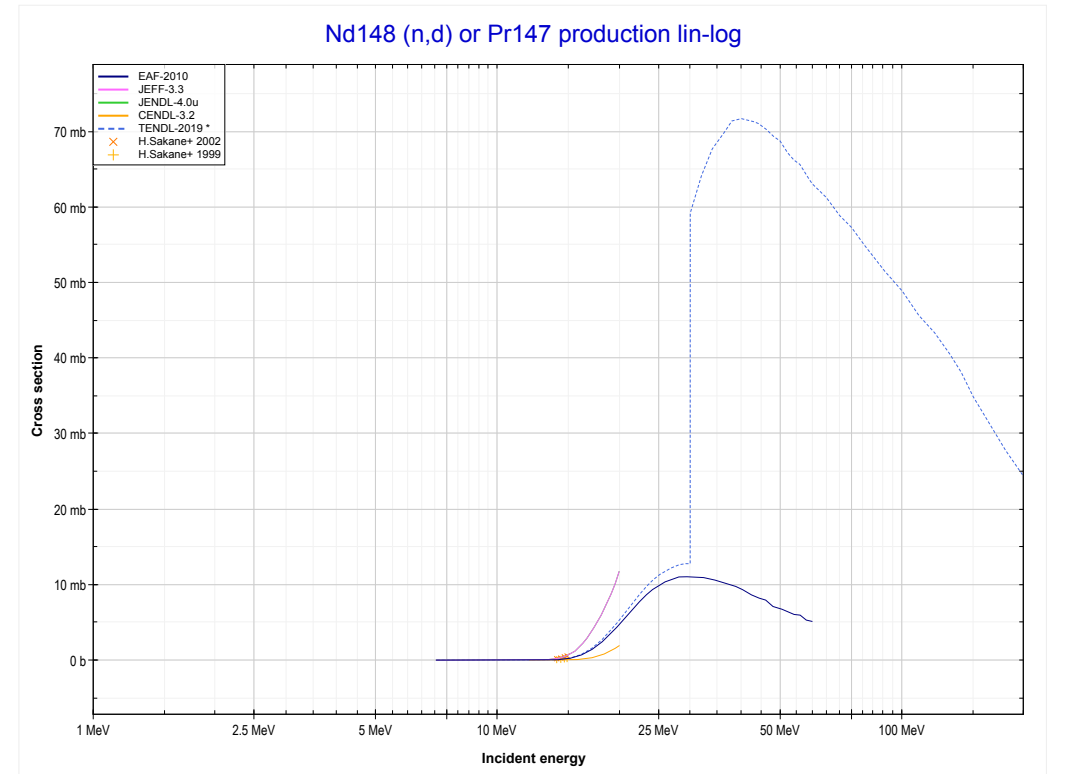
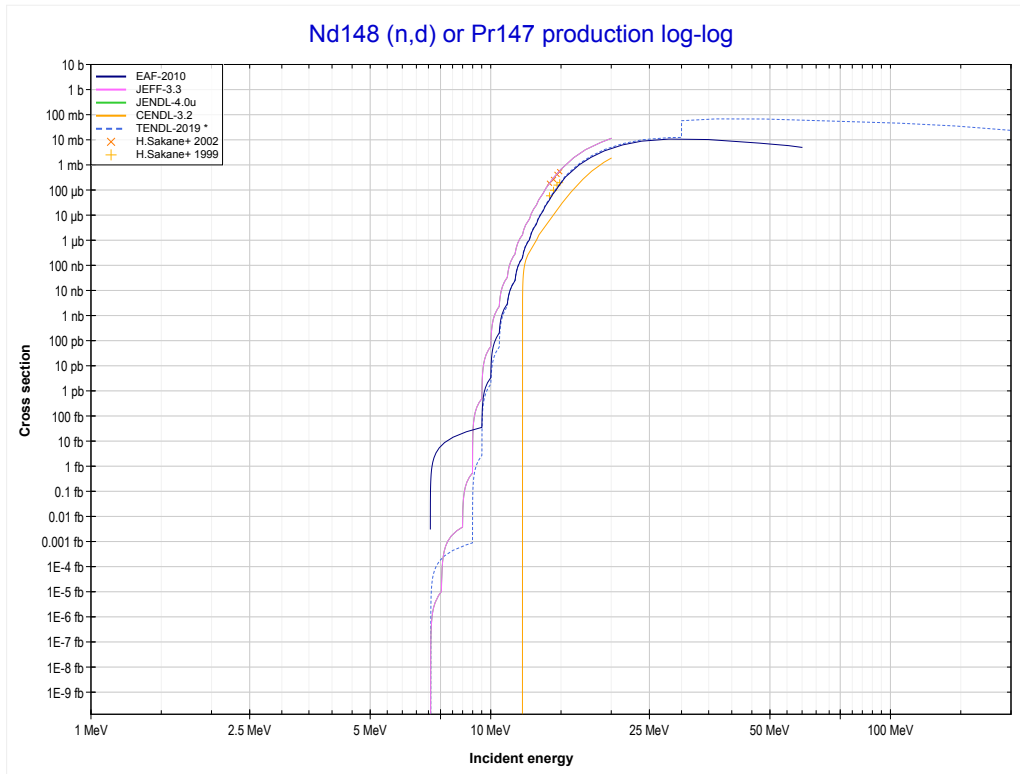
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.50259 b | 2.50072 b | 2.5005 b | 0.9999 | 19.6959 b | 0.0357707 b | 8.73797E-4 b |
| ENDF/B-VIII.0 | 2.58439 b | 2.58439 b | 2.5857 b | 1.00049 | 15.8531 b | 0.0250307 b | 9.45372E-4 b |
| JEFF-3.3 | 2.58156 b | 2.58156 b | 2.5828 b | 1.00047 | 13.706 b | 0.0271762 b | 9.28926E-4 b |
| JENDL-4.0u | 2.58156 b | 2.58156 b | 2.5828 b | 1.00047 | 13.706 b | 0.0271762 b | 9.28926E-4 b |
| BROND-3.1 | 2.58439 b | 2.58439 b | 2.5857 b | 1.00049 | 15.8531 b | 0.0250307 b | 9.45372E-4 b |
| CENDL-3.2 | 2.58096 b | 2.58096 b | 2.5813 b | 1.00013 | 13.7329 b | 0.0250046 b | 0.0015759 b |
| TENDL-2019 | 2.58365 b | 2.58365 b | 2.584 b | 1.00012 | 14.8486 b | 0.0255233 b | 0.00107839 b |

| | | |
|-------------------------|--|----------------|
| << 60-Nd-146 | 60-Nd-148 | 62-Sm-144 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pr148 production) | MT104 (n,d) >> |



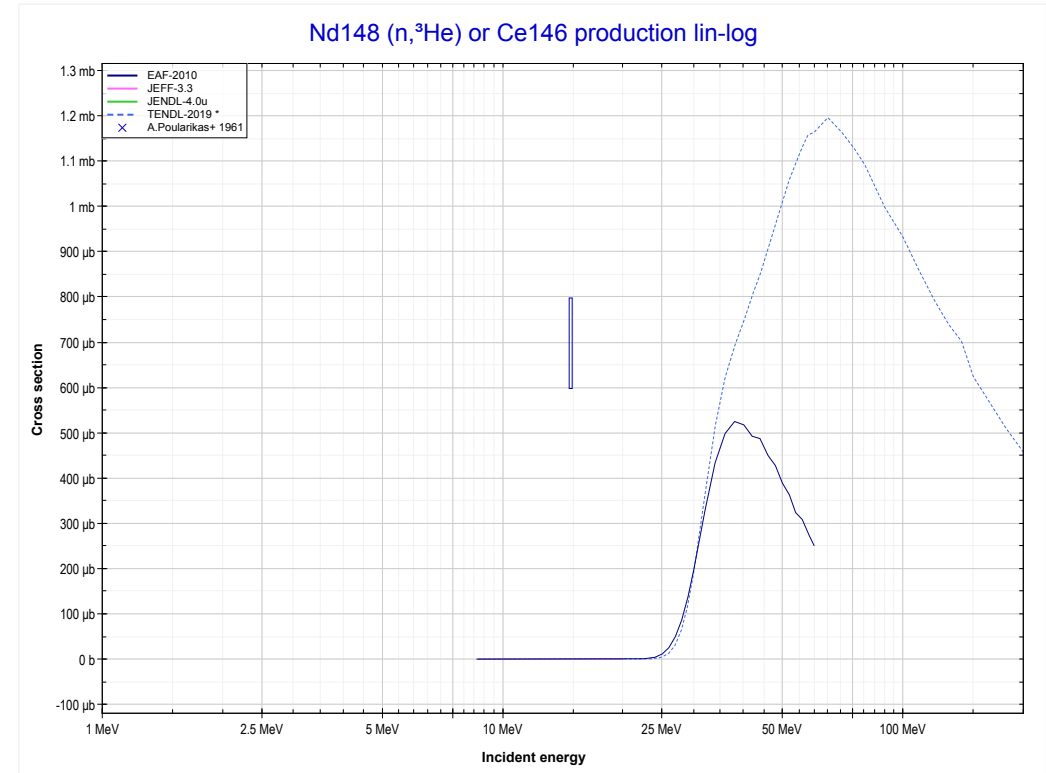
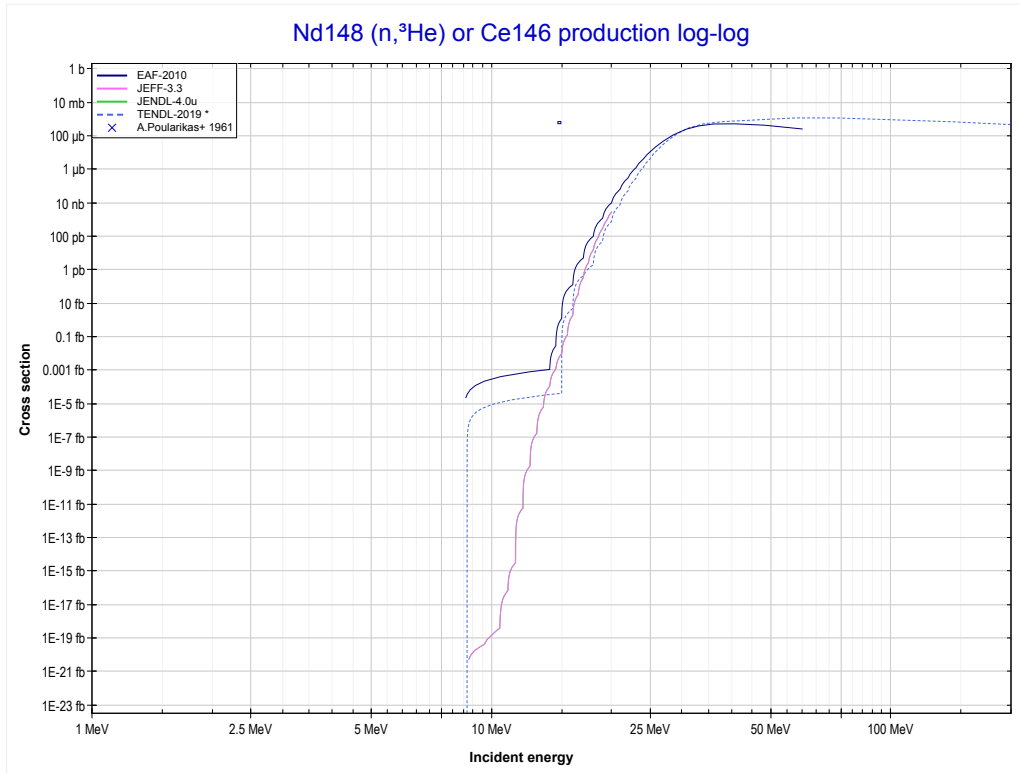
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.60571E-7 b | 0.00130502 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.03355E-7 b | 0.00121973 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.03355E-7 b | 0.00121973 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.60571E-7 b | 0.00130502 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.30917E-7 b | 0.00132 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88302E-7 b | 9.79161E-4 b |

| | | |
|----------------|--|-------------------------------|
| << 60-Nd-146 | 60-Nd-148 | 62-Sm-152 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Pr147 production) | MT106 (n, ³ He) >> |



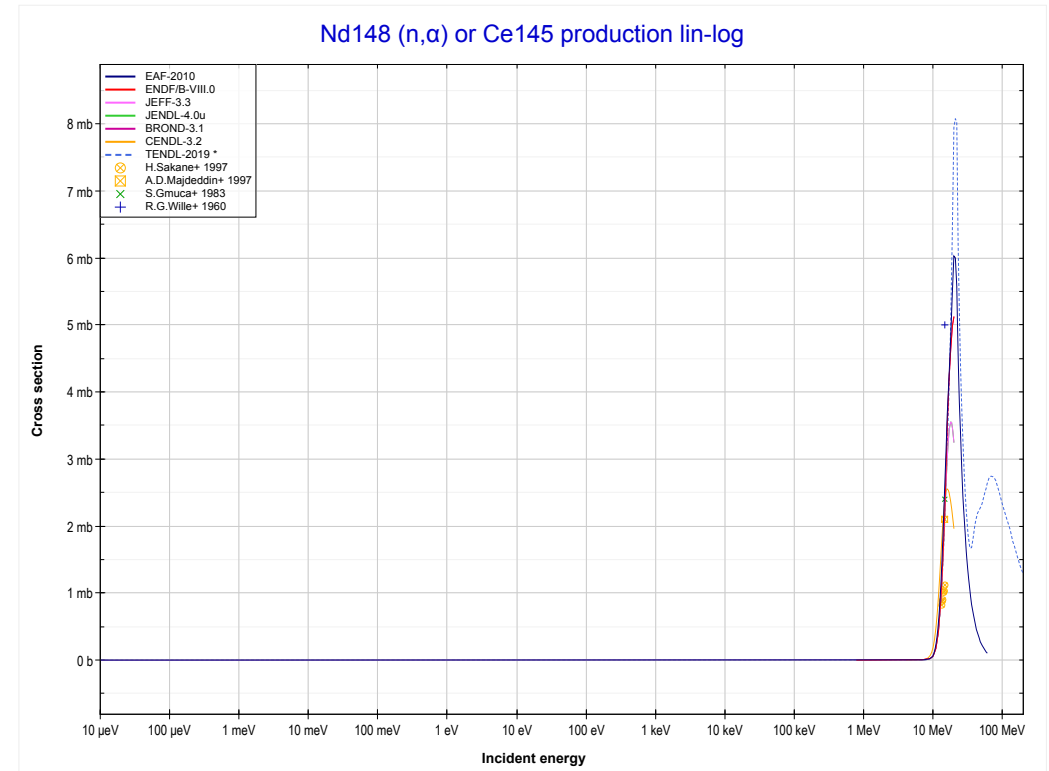
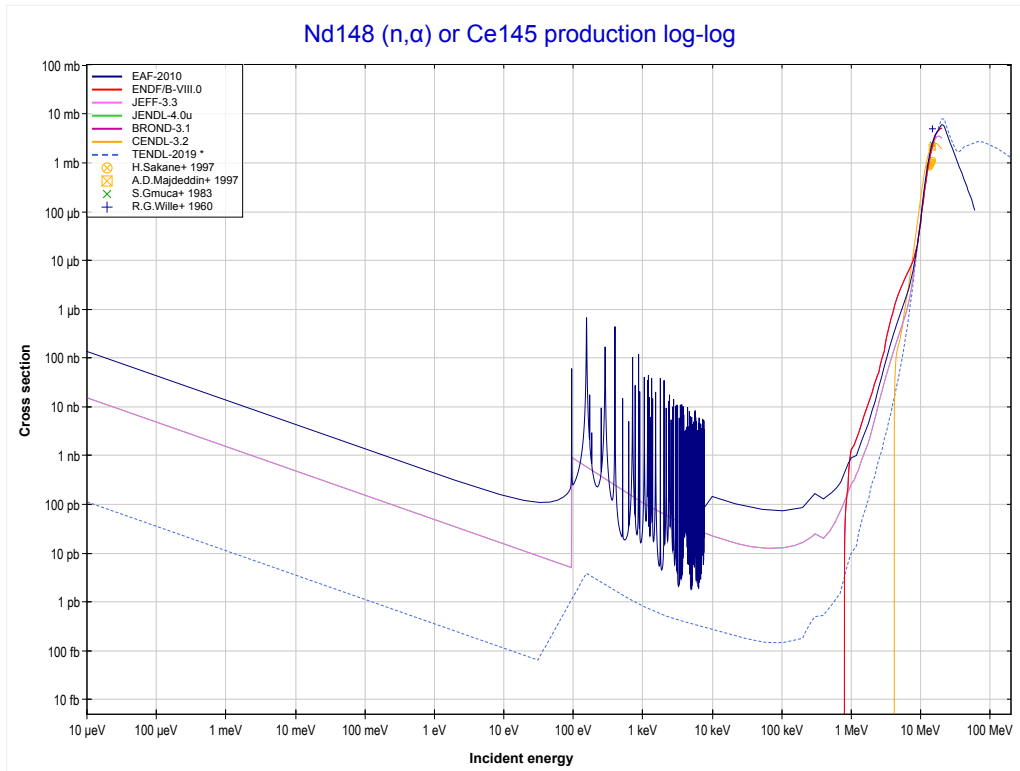
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.09173E-8 b | 3.8697E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79511E-7 b | 1.74483E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.79511E-7 b | 1.74483E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38167E-8 b | 6.1458E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.79074E-8 b | 4.22093E-5 b |

| | | |
|----------------|---|----------------|
| << 60-Nd-146 | 60-Nd-148 | 65-Tb-159 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Ce146 production) | MT107 (n,α) >> |



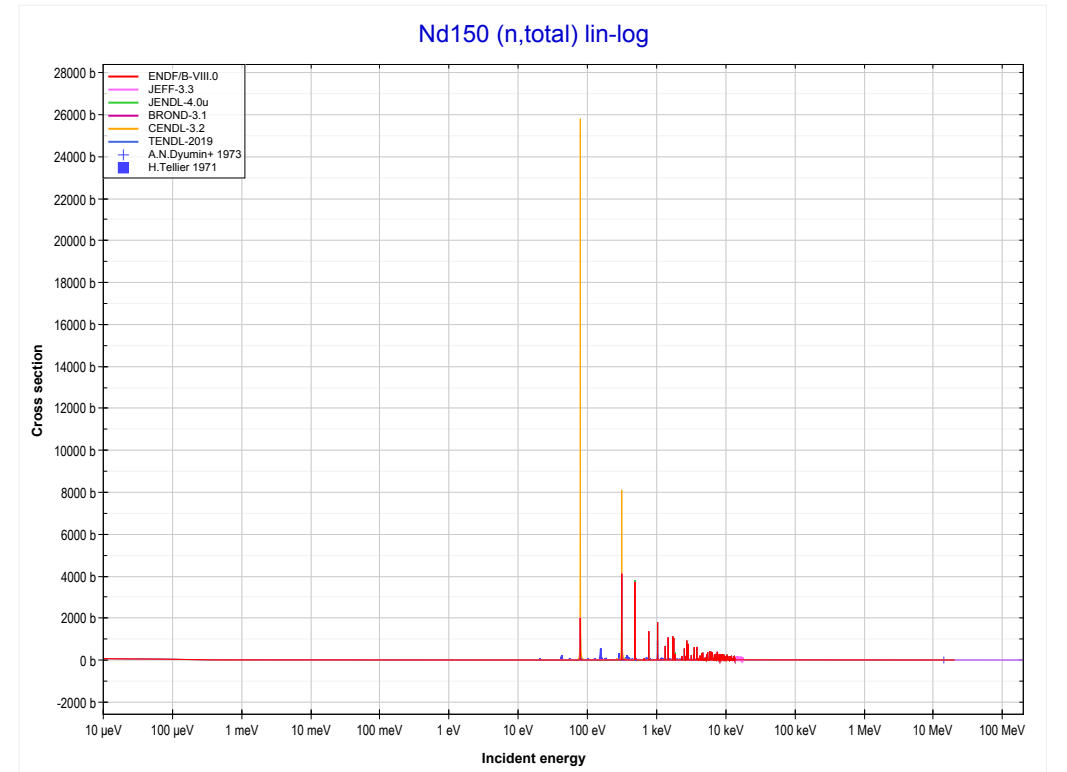
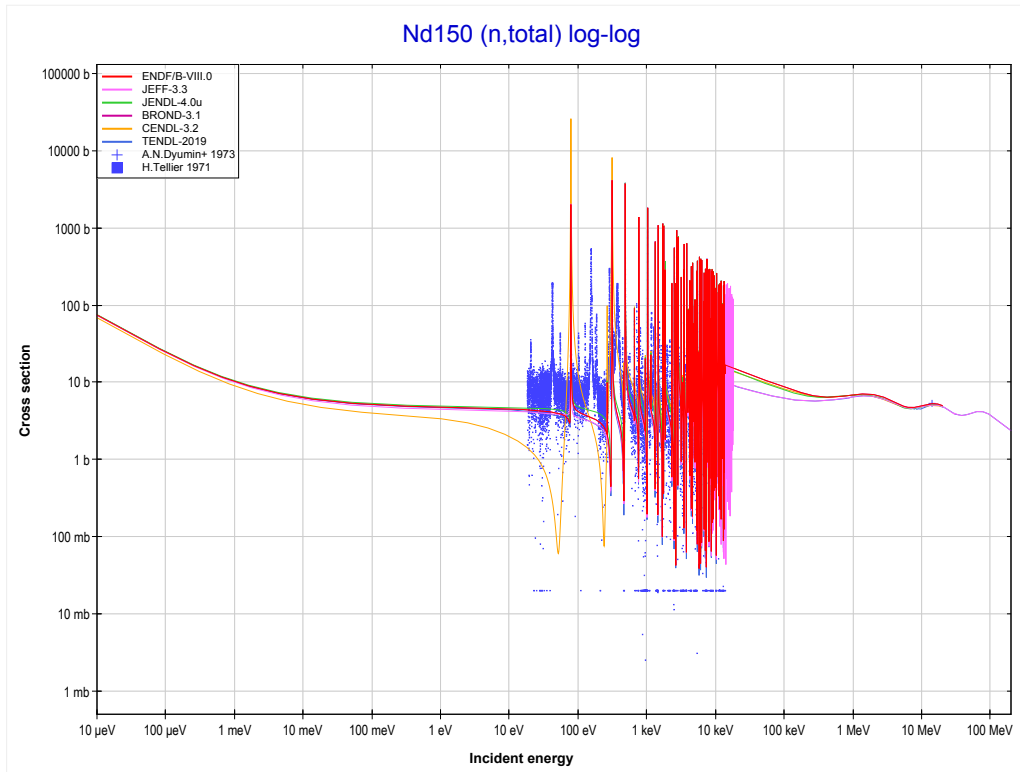
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0854E-14 b | 1.08889E-18 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27463E-15 b | 1.10338E-19 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.27463E-15 b | 1.1034E-19 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.14E-16 b | 3.46281E-20 b |

| | | |
|-------------------------------|--|----------------------------|
| << 60-Nd-146 | 60-Nd-148 | 62-Sm-144 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ce145 production) | 60-Nd-150 MT1 (n,total) >> |



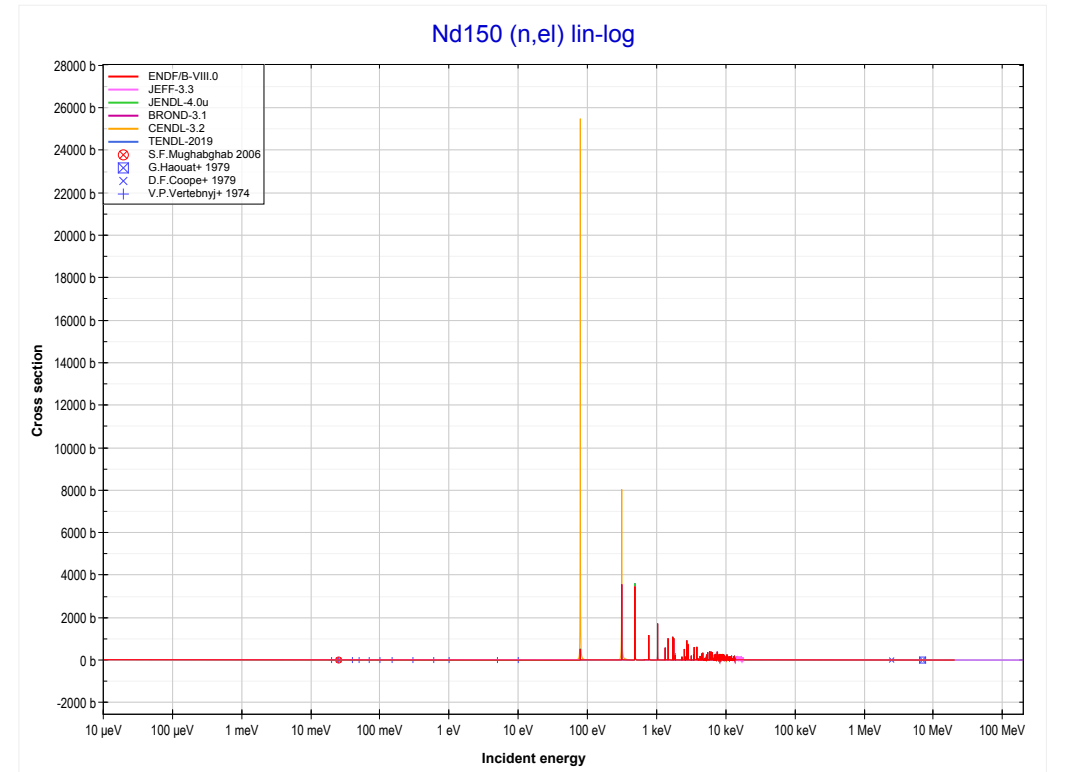
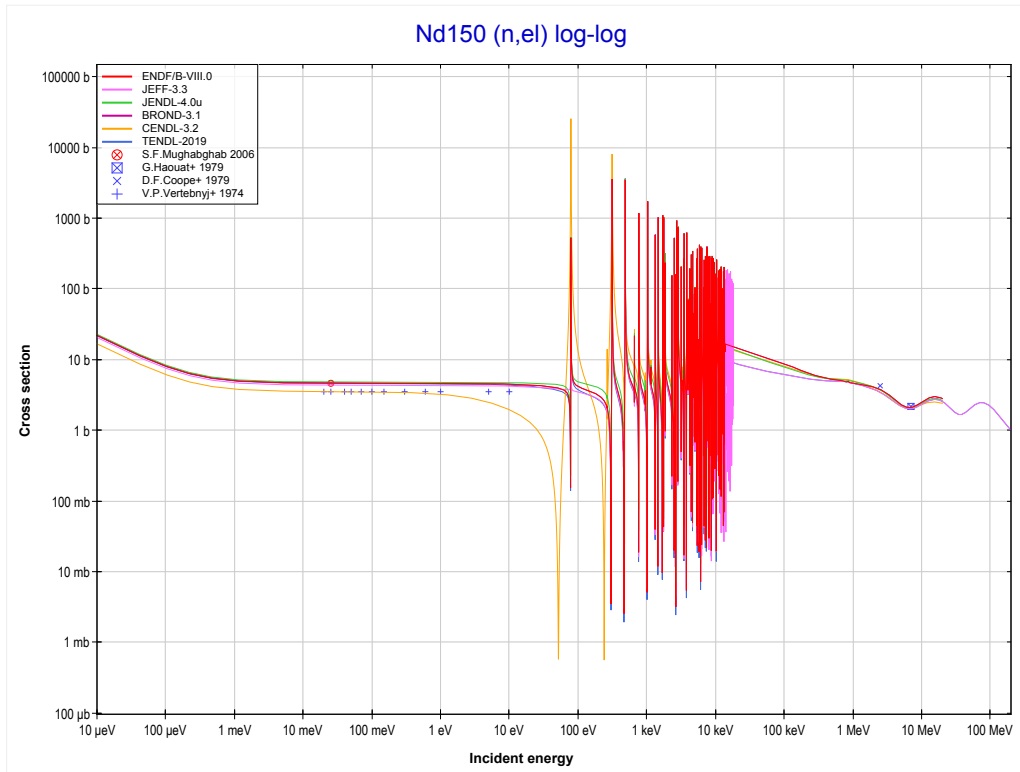
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.7078E-9 b | 2.70577E-9 b | 2.7055E-9 b | 0.9999 | 2.11936E-8 b | 1.30077E-6 b | 0.00193913 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3837E-6 b | 0.00160861 b |
| JEFF-3.3 | 3.04255E-10 b | 3.04255E-10 b | 3.0438E-10 b | 1.00041 | 1.1689E-9 b | 1.04355E-6 b | 0.00159167 b |
| JENDL-4.0u | 3.0426E-10 b | 3.0426E-10 b | 3.0438E-10 b | 1.0004 | 1.16891E-9 b | 1.04355E-6 b | 0.00159167 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3837E-6 b | 0.00160861 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89763E-6 b | 0.0021137 b |
| TENDL-2019 | 2.2359E-12 b | 2.2359E-12 b | 2.2345E-12 b | 0.99938 | 7.49455E-12 b | 1.00161E-6 b | 0.00149349 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 60-Nd-148 | 60-Nd-150 | 61-Pm-147 >> |
| << 60-Nd-148 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



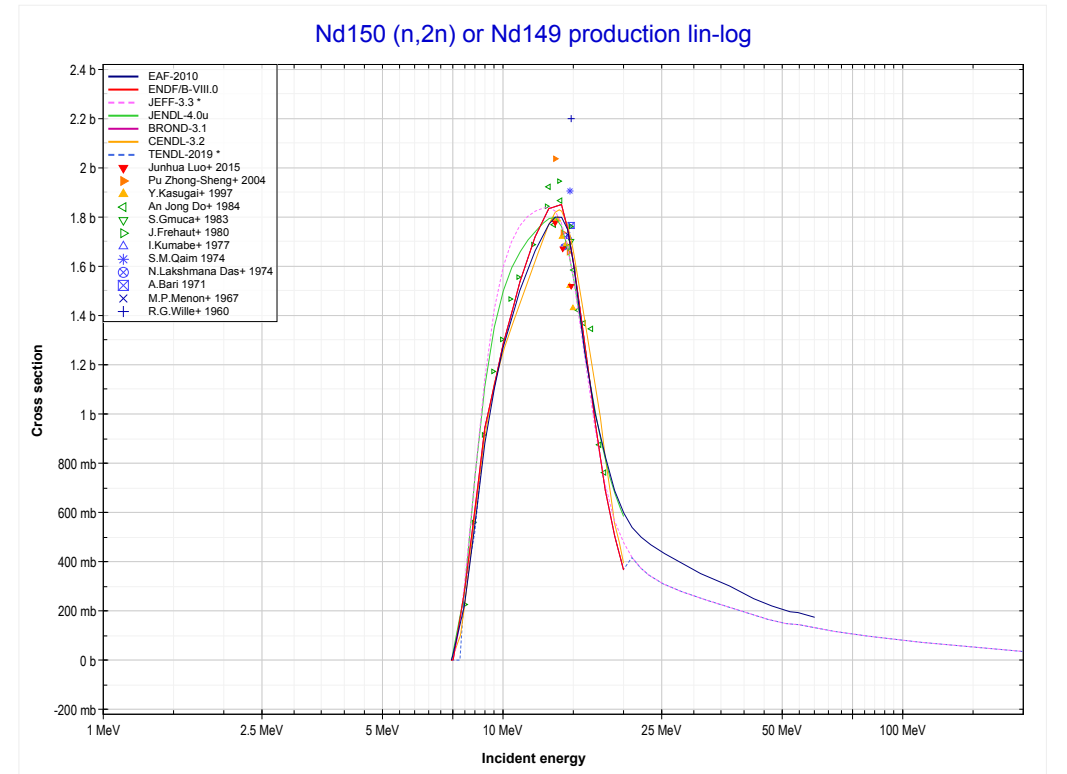
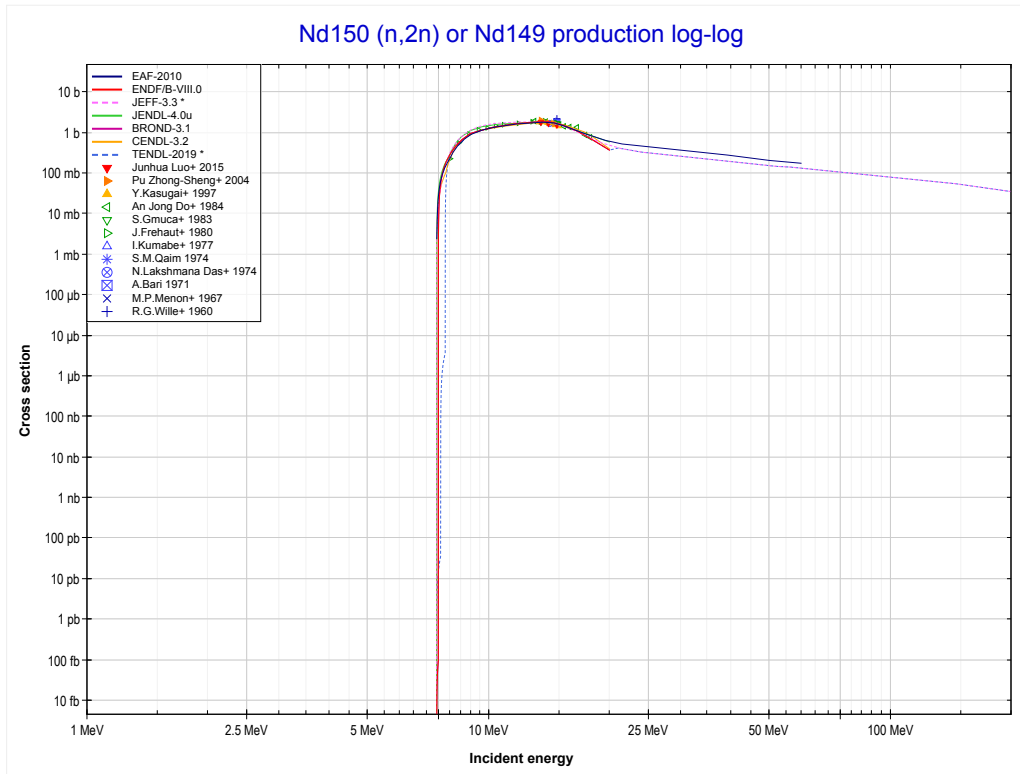
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.67312 b | 5.67312 b | 6.2678 b | 1.10482 | 165.036 b | 6.59407 b | 5.2992 b |
| JEFF-3.3 | 5.38359 b | 5.38359 b | 5.9391 b | 1.1032 | 155.195 b | 6.11945 b | 5.07215 b |
| JENDL-4.0u | 5.8339 b | 5.8339 b | 6.4475 b | 1.10518 | 170.07 b | 6.40269 b | 5.12931 b |
| BROND-3.1 | 5.67312 b | 5.67312 b | 6.2678 b | 1.10482 | 165.036 b | 6.59407 b | 5.2992 b |
| CENDL-3.2 | 4.54233 b | 4.54233 b | 4.984 b | 1.09724 | 623.019 b | 6.38311 b | 5.0271 b |
| TENDL-2019 | 5.62086 b | 5.62086 b | 6.2079 b | 1.10443 | 151.625 b | 6.1138 b | 5.1479 b |

| | | |
|------------------|------------------------|----------------|
| << 60-Nd-148 | 60-Nd-150 | 61-Pm-147 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



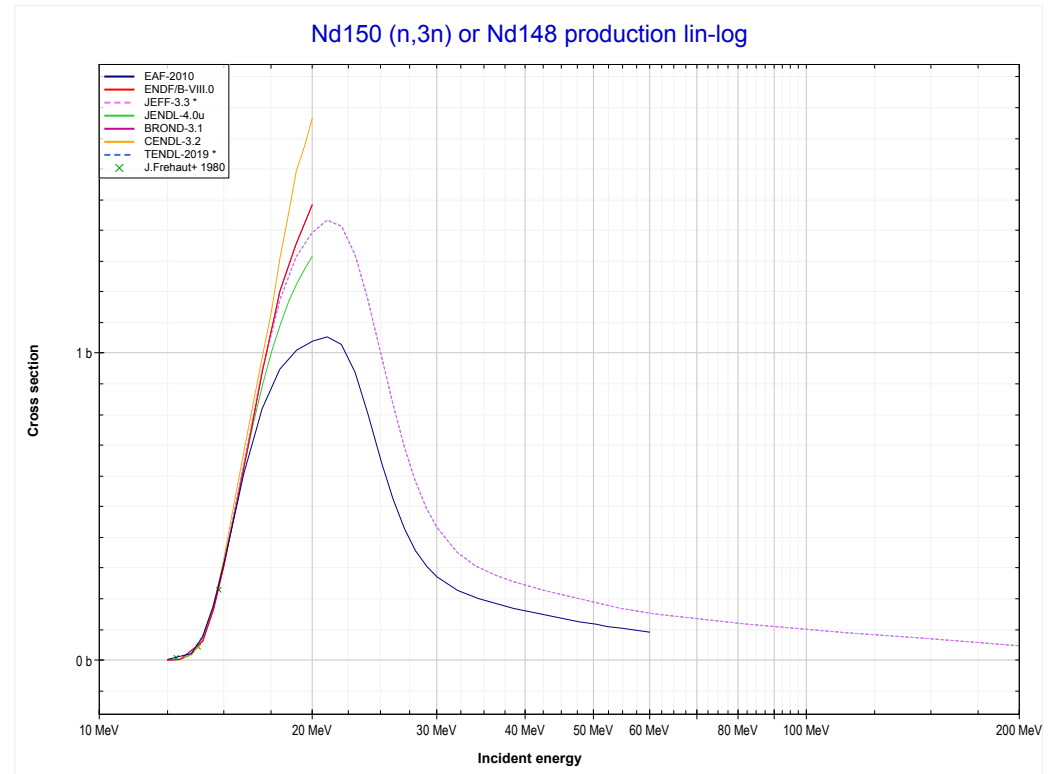
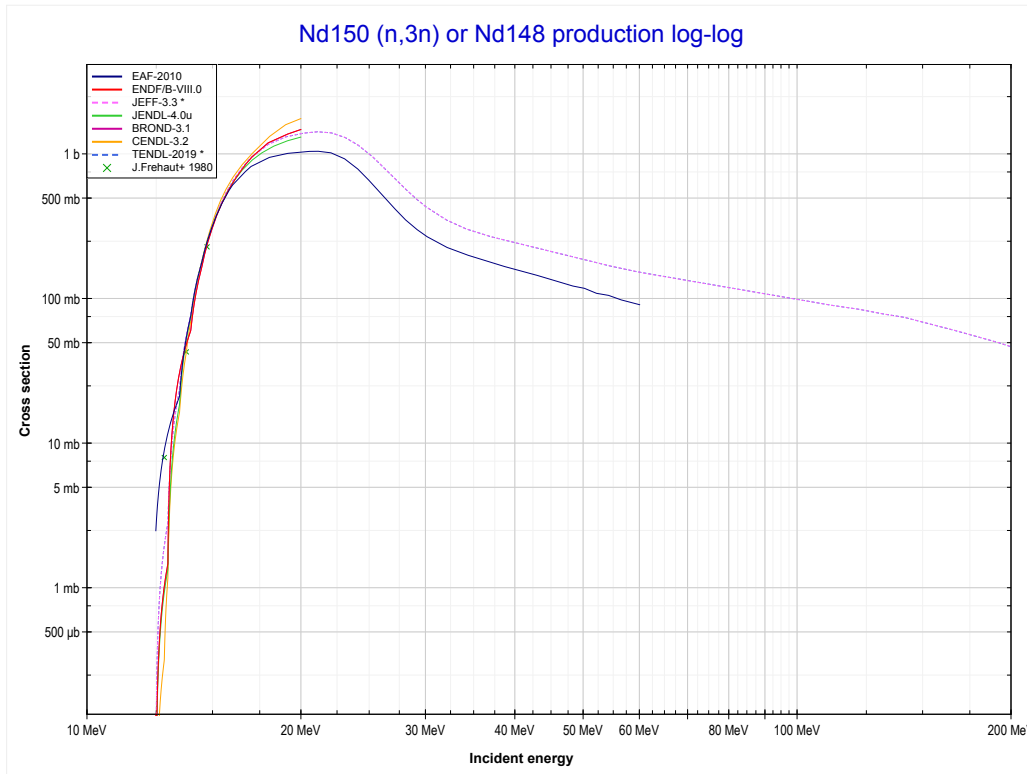
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.63229 b | 4.63229 b | 5.2266 b | 1.12829 | 149.478 b | 4.29497 b | 2.94888 b |
| JEFF-3.3 | 4.32828 b | 4.32828 b | 4.8836 b | 1.1283 | 138.244 b | 3.9946 b | 2.69075 b |
| JENDL-4.0u | 4.79342 b | 4.79342 b | 5.4084 b | 1.1283 | 156.026 b | 4.31076 b | 2.80358 b |
| BROND-3.1 | 4.63229 b | 4.63229 b | 5.2266 b | 1.12829 | 149.478 b | 4.29497 b | 2.94888 b |
| CENDL-3.2 | 3.51172 b | 3.51172 b | 3.954 b | 1.12593 | 612.702 b | 4.25367 b | 2.50397 b |
| TENDL-2019 | 4.57543 b | 4.57543 b | 5.1625 b | 1.12831 | 137.322 b | 3.99072 b | 2.69075 b |

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|--------------------|--|----------------|
| << 60-Nd-148 | 60-Nd-150 | 62-Sm-144 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Nd149 production) | MT17 (n,3n) >> |



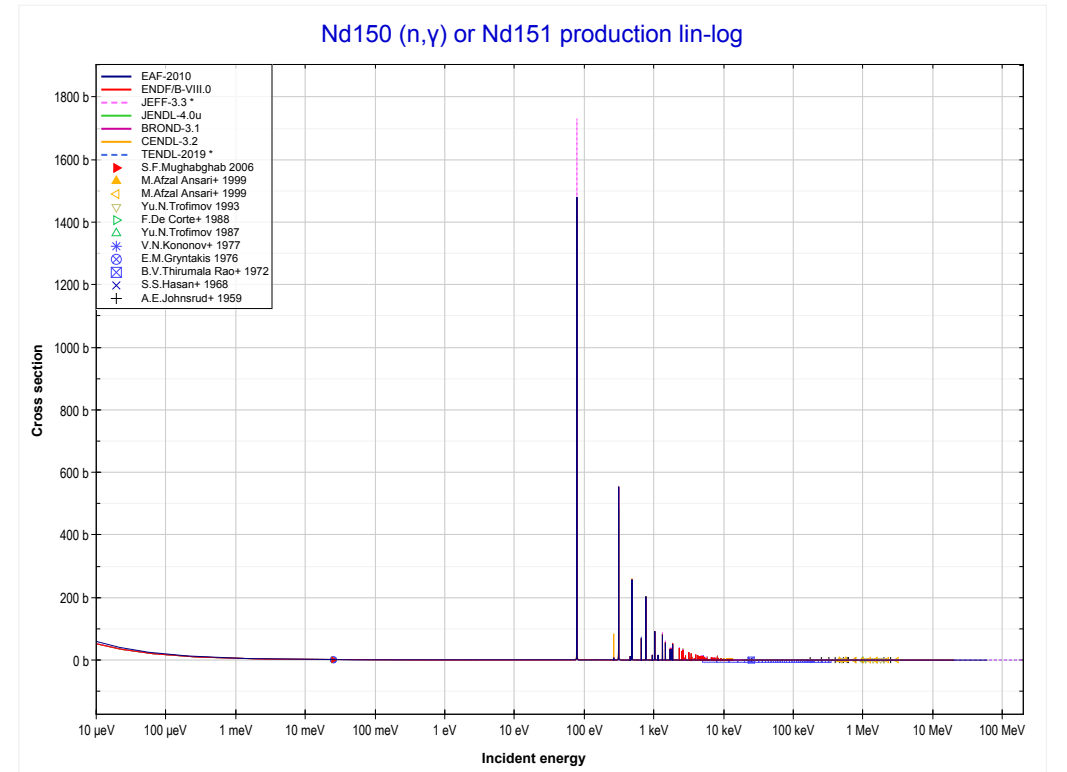
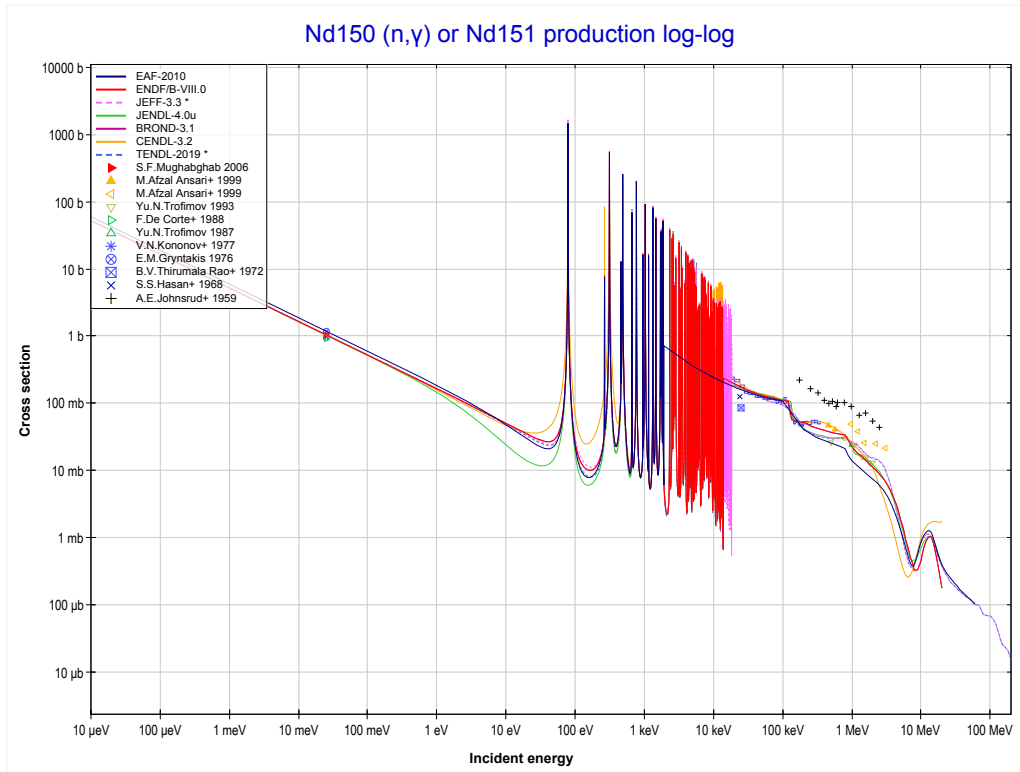
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00748706 b | 1.8 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00788741 b | 1.85109 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00924623 b | 1.77543 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00895441 b | 1.76202 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00788741 b | 1.85109 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00746 b | 1.8254 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00743631 b | 1.85109 b |

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|----------------|--|-------------------------|
| << 60-Nd-148 | 60-Nd-150 | 62-Sm-150 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Nd148 production) | MT102 (n, γ) >> |



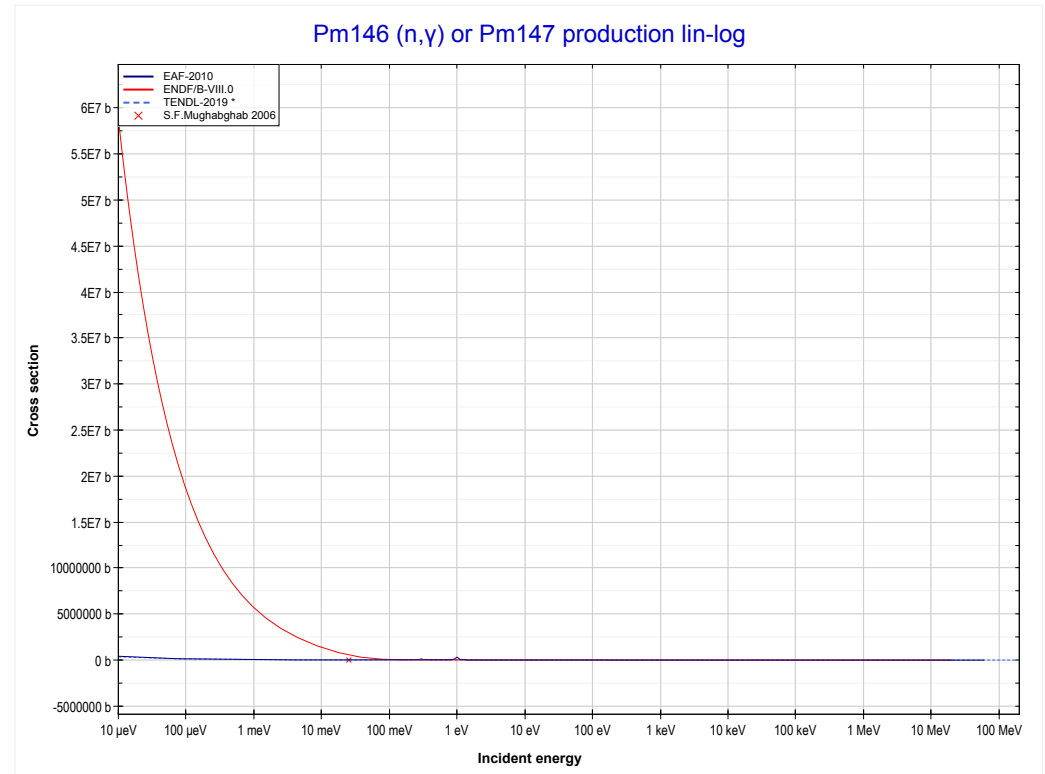
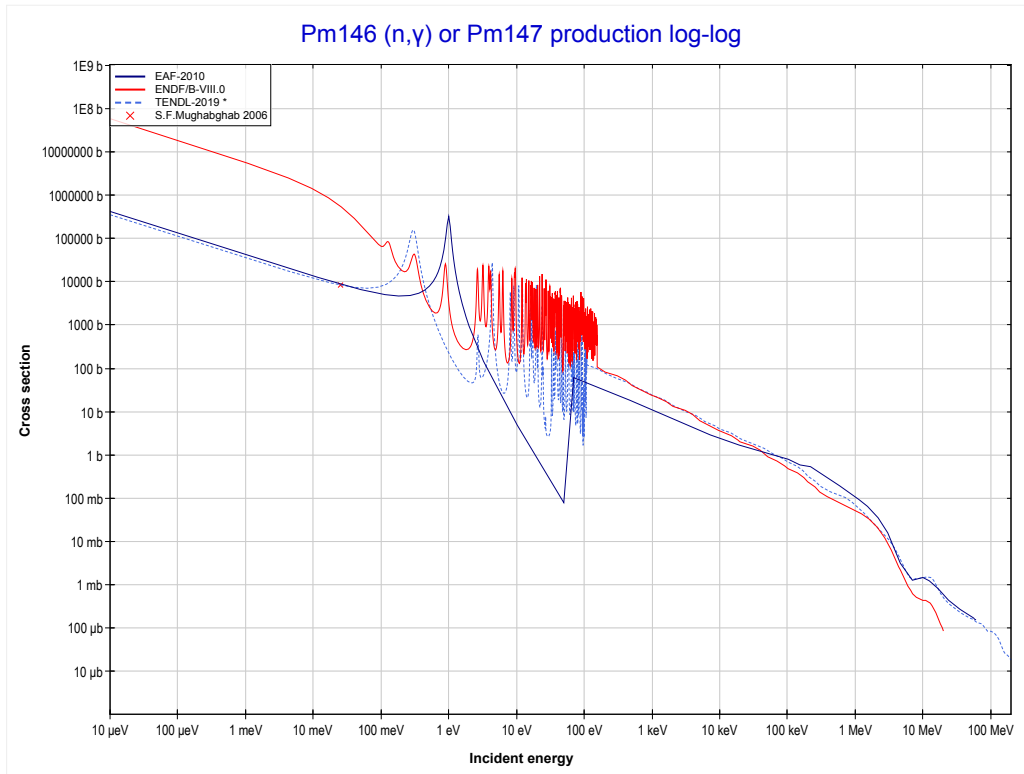
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.94289E-5 b | 0.0761797 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.20105E-5 b | 0.0603964 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.31812E-5 b | 0.0772072 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.12168E-5 b | 0.0744046 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.20105E-5 b | 0.0603964 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.55183E-5 b | 0.069893 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.32299E-5 b | 0.0773372 b |

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|----------------|--|-----------------------------------|
| << 60-Nd-148 | 60-Nd-150 | 61-Pm-146 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (Nd151 production) | 61-Pm-146 MT102 (n, γ) >> |



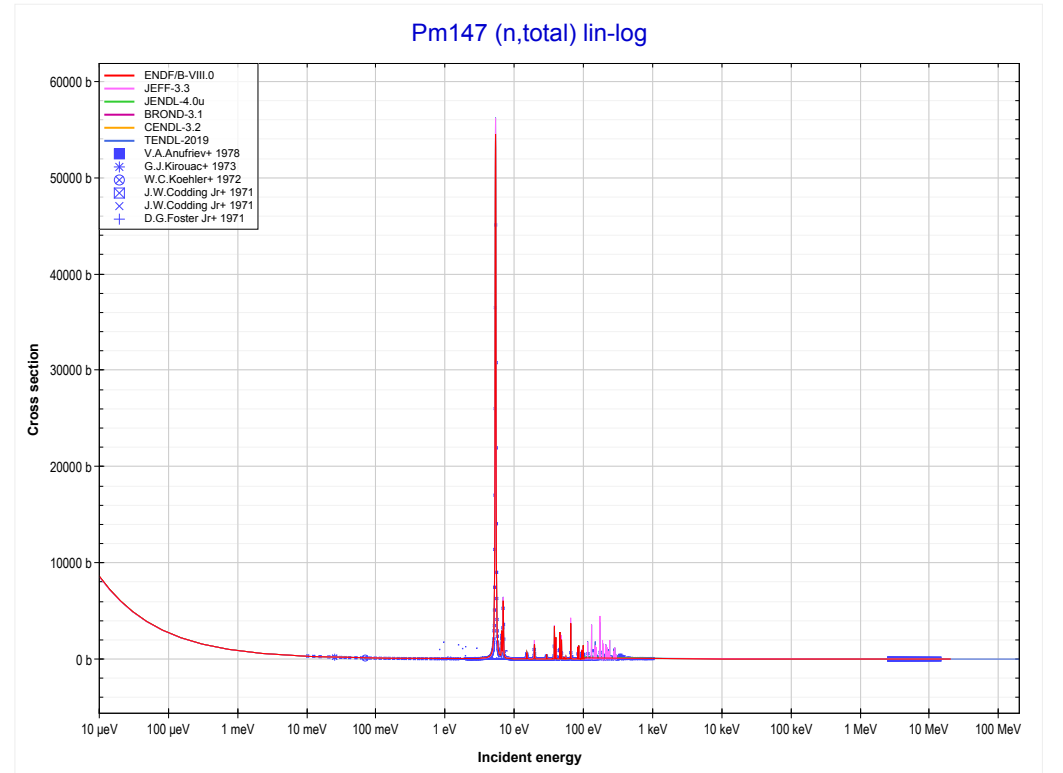
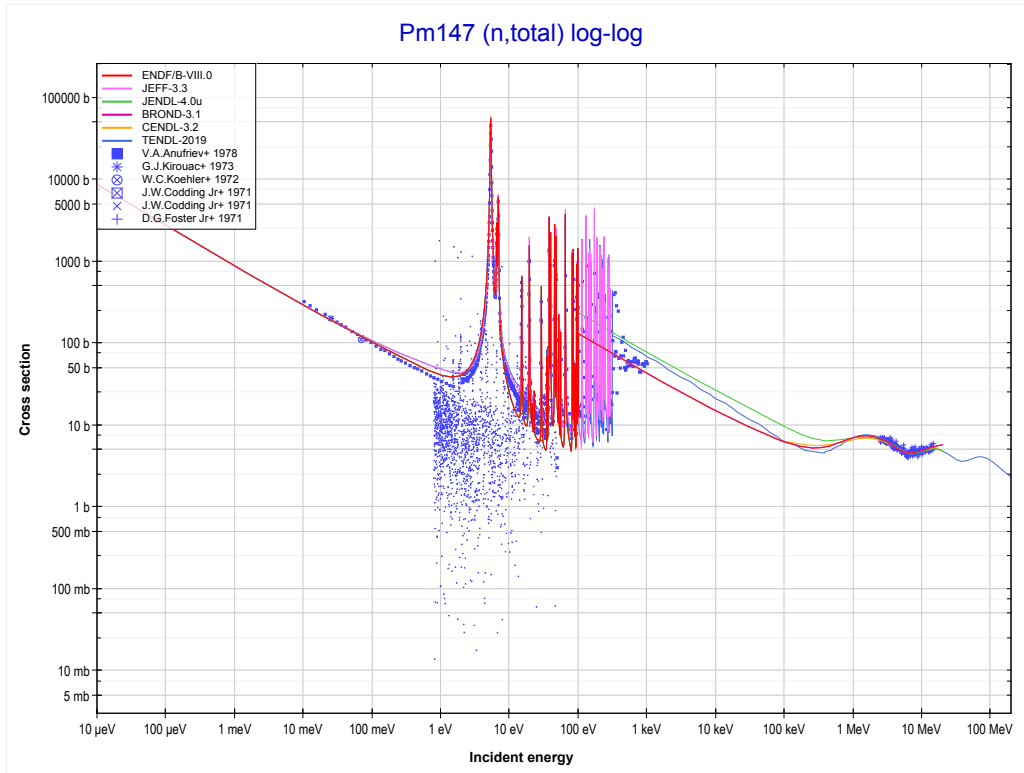
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.18779 b | 1.1869 b | 1.1863 b | 0.99949 | 15.733 b | 0.0146517 b | 0.00119453 b |
| ENDF/B-VIII.0 | 1.04083 b | 1.04083 b | 1.0412 b | 1.00034 | 15.558 b | 0.0203233 b | 0.00101684 b |
| JEFF-3.3 | 1.05531 b | 1.05531 b | 1.0556 b | 1.00023 | 16.9517 b | 0.0211267 b | 0.00104465 b |
| JENDL-4.0u | 1.04048 b | 1.04048 b | 1.0391 b | 0.99863 | 14.0447 b | 0.0192898 b | 0.00100628 b |
| BROND-3.1 | 1.04083 b | 1.04083 b | 1.0412 b | 1.00034 | 15.558 b | 0.0203233 b | 0.00101684 b |
| CENDL-3.2 | 1.03061 b | 1.03061 b | 1.0301 b | 0.99947 | 10.3036 b | 0.0217284 b | 0.0016831 b |
| TENDL-2019 | 1.04543 b | 1.04543 b | 1.0453 b | 0.99992 | 14.3023 b | 0.020764 b | 0.00104426 b |

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|-----------------------------------|--|----------------------------|
| << 60-Nd-150 | 61-Pm-146 | 61-Pm-147 >> |
| << 60-Nd-150 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pm147 production) | 61-Pm-147 MT1 (n,total) >> |



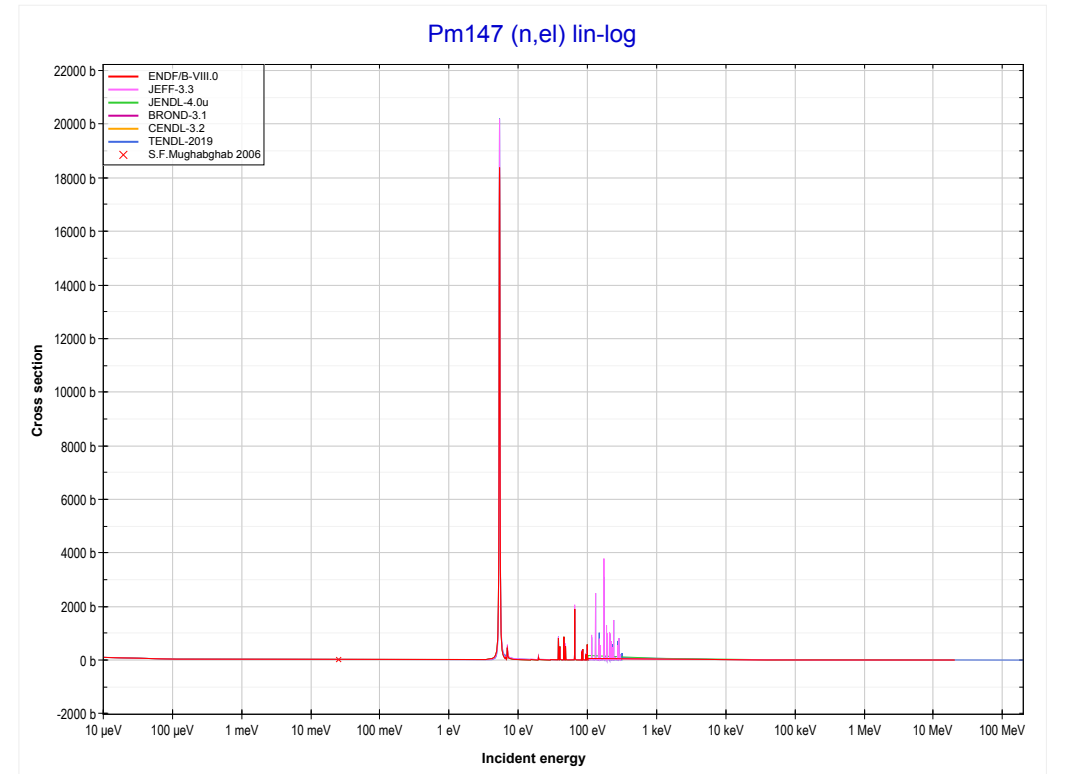
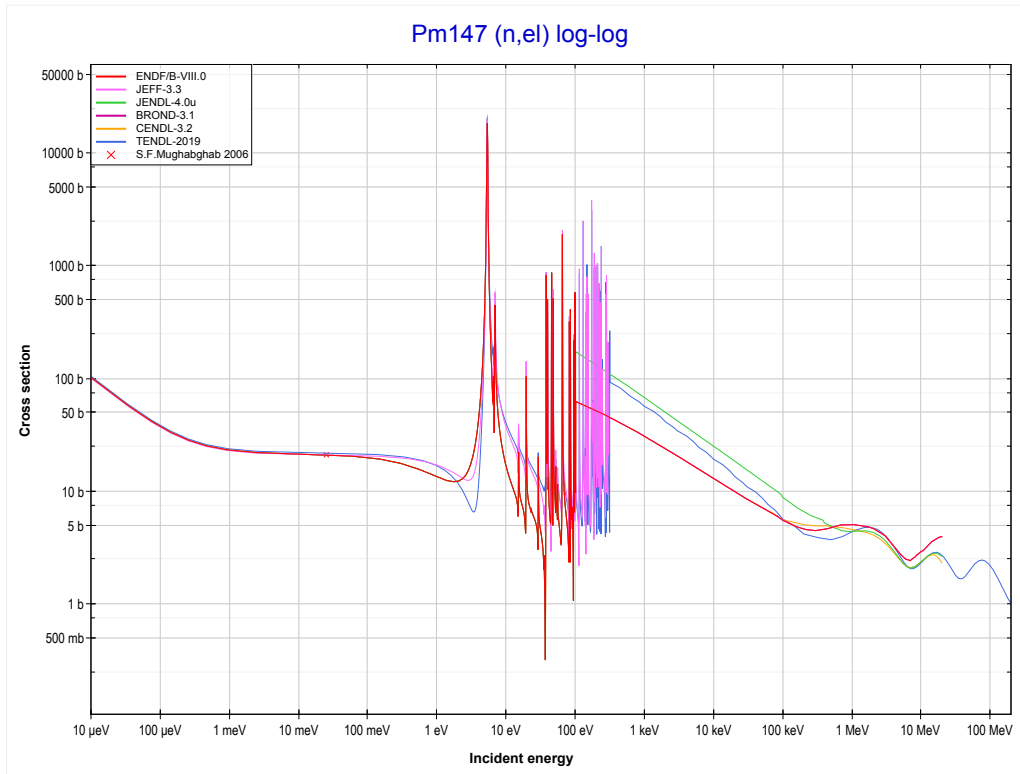
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8871.08 b | 8864.94 b | 9121.5 b | 1.029 | 62132.8 b | 0.120826 b | 0.00106 b |
| ENDF/B-VIII.0 | 552195 b | 552195 b | 522430 b | 0.94609 | 16300.4 b | 0.0651629 b | 3.04509E-4 b |
| TENDL-2019 | 8377.68 b | 8377.68 b | 9818.7 b | 1.17201 | 3592.07 b | 0.0853762 b | 0.00132194 b |

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|--------------------------|----------------------|--------------------|
| << 60-Nd-150 | 61-Pm-147 | 62-Sm-144 >> |
| << 61-Pm-146 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



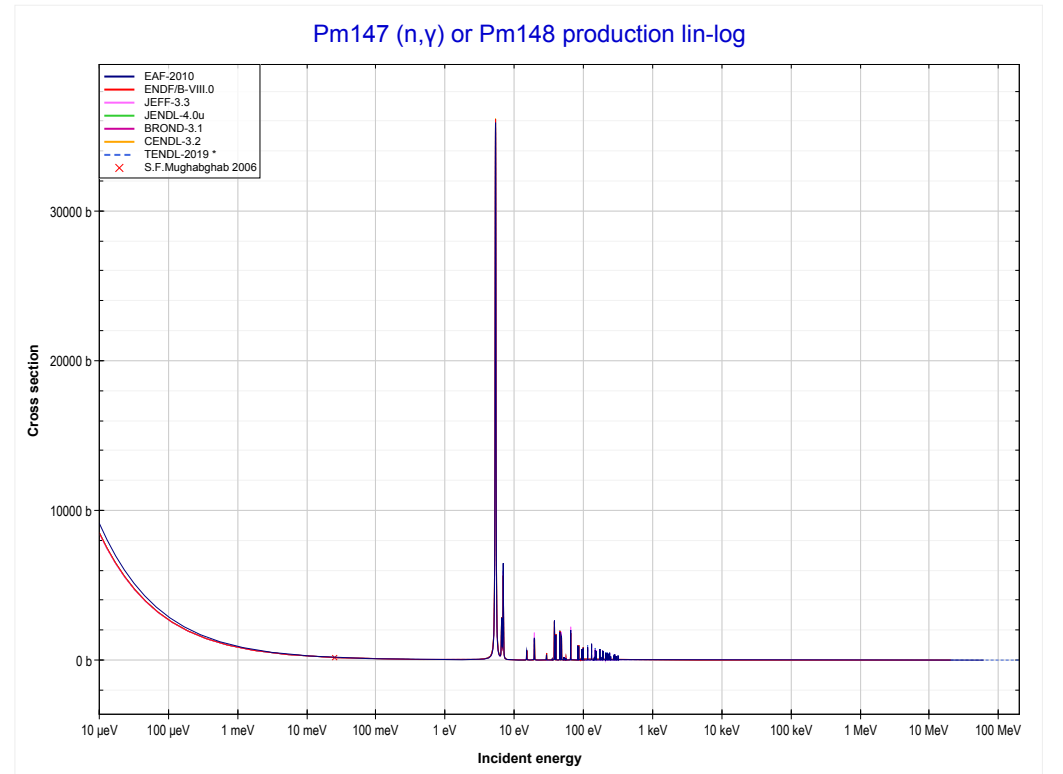
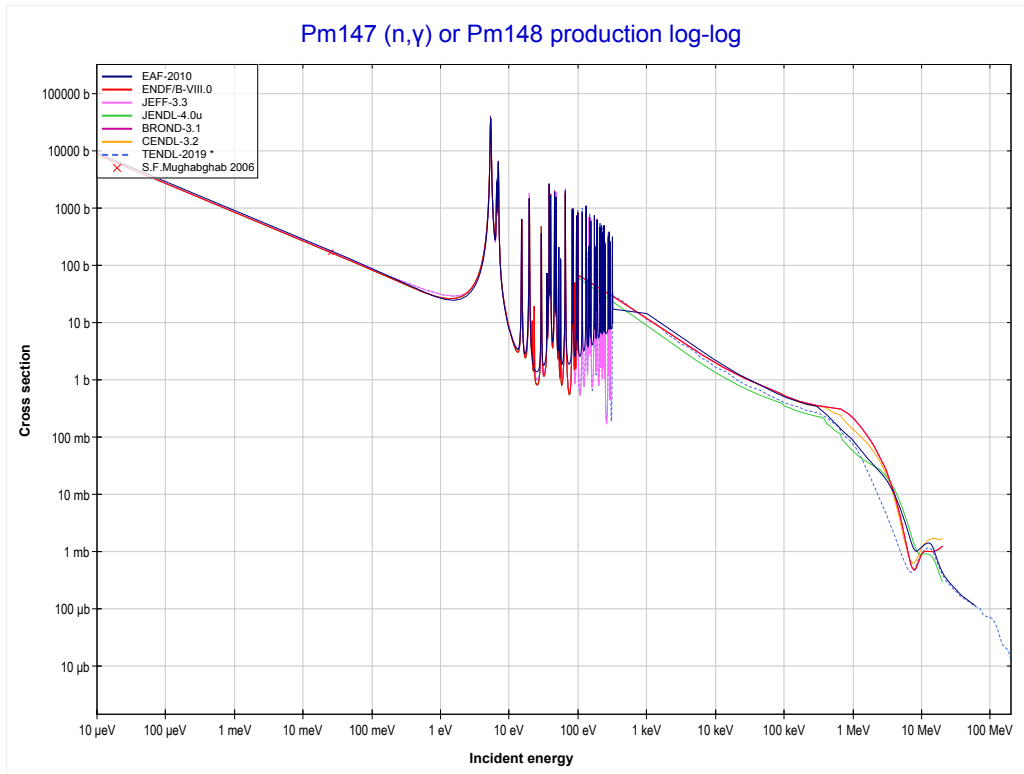
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 188.704 b | 188.704 b | 190.51 b | 1.00959 | 3331.69 b | 6.39988 b | 5.38 b |
| JEFF-3.3 | 189.35 b | 189.35 b | 192.18 b | 1.01497 | 3345.29 b | 6.39988 b | 5.38 b |
| JENDL-4.0u | 188.705 b | 188.705 b | 190.51 b | 1.00959 | 3537.22 b | 6.65615 b | 5.07033 b |
| BROND-3.1 | 188.704 b | 188.704 b | 190.51 b | 1.00959 | 3331.69 b | 6.39988 b | 5.38 b |
| CENDL-3.2 | 188.675 b | 188.675 b | 190.42 b | 1.00925 | 3329.68 b | 6.20654 b | 5.19155 b |
| TENDL-2019 | 190.409 b | 190.409 b | 193.26 b | 1.01498 | 3420.14 b | 6.41553 b | 4.95482 b |

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|------------------|------------------------|-------------------------|
| << 60-Nd-150 | 61-Pm-147 | 62-Sm-147 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



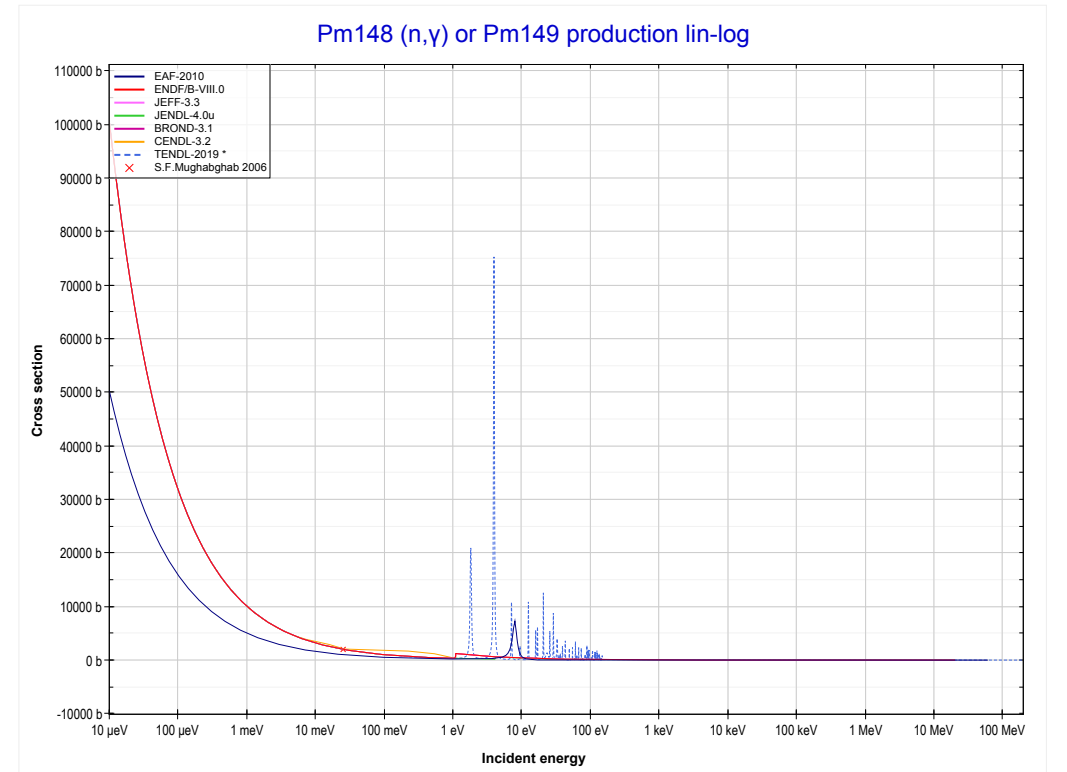
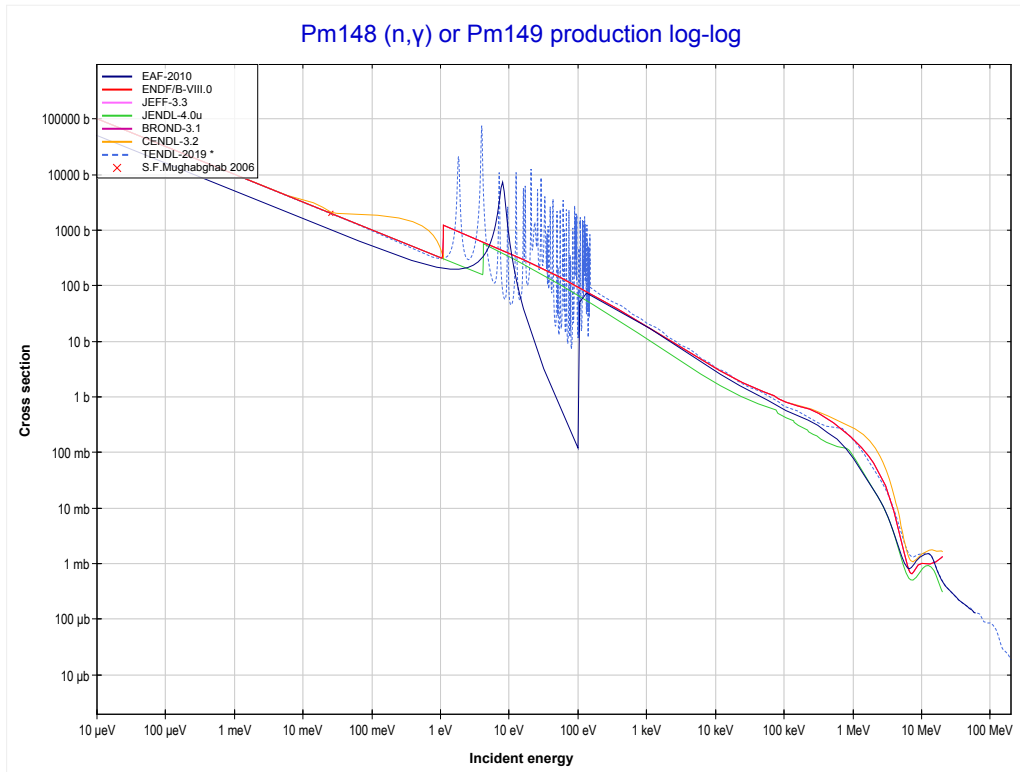
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.9772 b | 20.9772 b | 23.275 b | 1.10956 | 1126.64 b | 4.46376 b | 3.53649 b |
| JEFF-3.3 | 20.9662 b | 20.9662 b | 23.539 b | 1.12272 | 1236.82 b | 4.46376 b | 3.53649 b |
| JENDL-4.0u | 20.9772 b | 20.9772 b | 23.275 b | 1.10956 | 1348.77 b | 4.34809 b | 2.77678 b |
| BROND-3.1 | 20.9772 b | 20.9772 b | 23.275 b | 1.10956 | 1126.64 b | 4.46376 b | 3.53649 b |
| CENDL-3.2 | 20.9772 b | 20.9772 b | 23.277 b | 1.10962 | 1126.05 b | 4.11406 b | 2.7195 b |
| TENDL-2019 | 21.7681 b | 21.7681 b | 24.419 b | 1.12176 | 1299.2 b | 4.17291 b | 2.78927 b |

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|--------------------|--|-----------------------------------|
| << 61-Pm-146 | 61-Pm-147 | 61-Pm-148 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Pm148 production) | 61-Pm-148 MT102 (n, γ) >> |



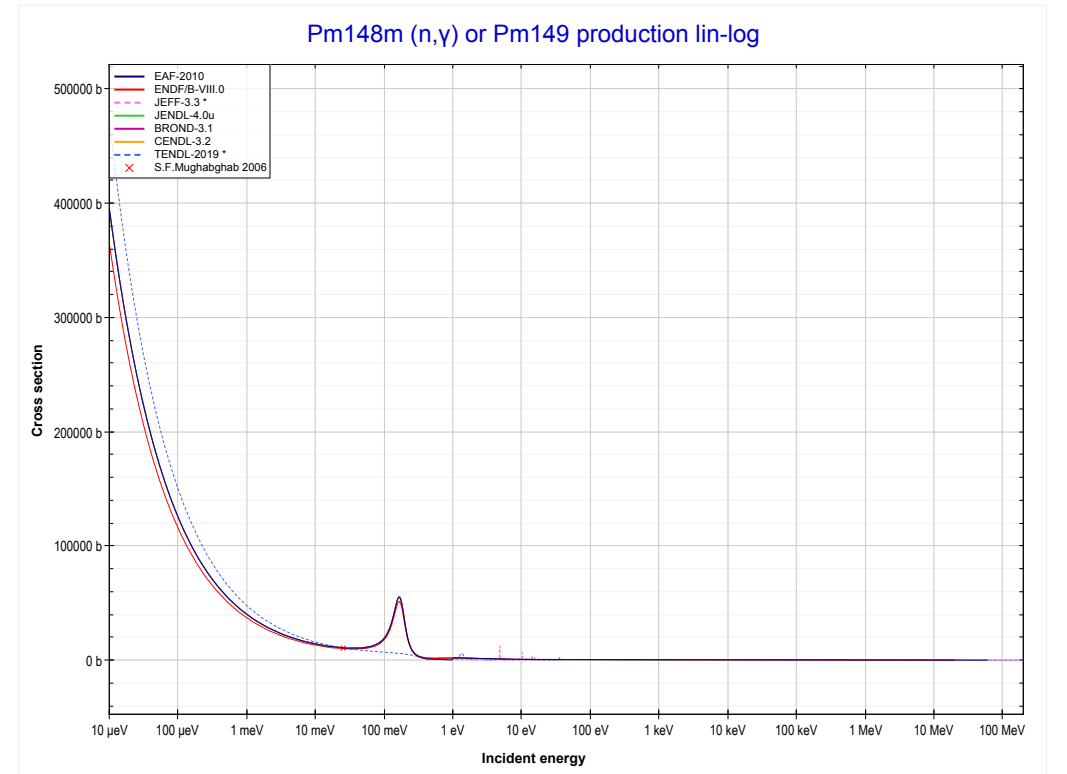
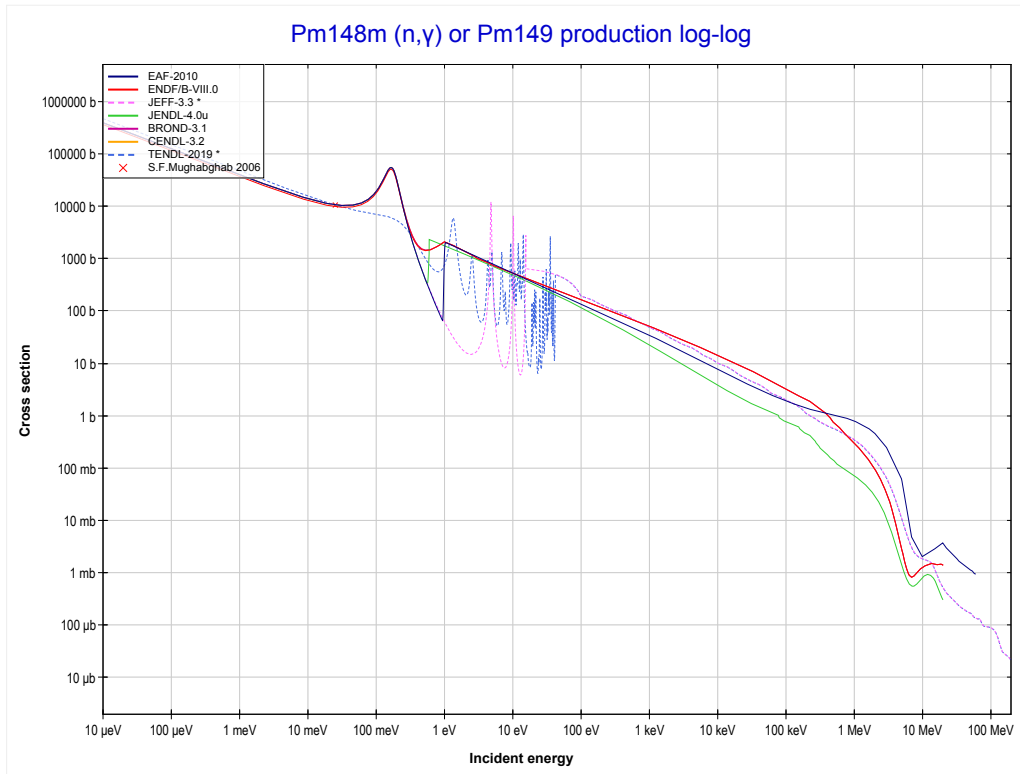
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 180 b | 179.862 b | 179.01 b | 0.99522 | 2124.94 b | 0.0965386 b | 0.00132557 b |
| ENDF/B-VIII.0 | 167.727 b | 167.727 b | 167.24 b | 0.99709 | 2205.03 b | 0.157054 b | 0.00100096 b |
| JEFF-3.3 | 168.384 b | 168.384 b | 168.64 b | 1.00155 | 2108.46 b | 0.157054 b | 0.00100096 b |
| JENDL-4.0u | 167.727 b | 167.727 b | 167.24 b | 0.99709 | 2188.42 b | 0.0709106 b | 8.37006E-4 b |
| BROND-3.1 | 167.727 b | 167.727 b | 167.24 b | 0.99709 | 2205.03 b | 0.157054 b | 0.00100096 b |
| CENDL-3.2 | 167.698 b | 167.698 b | 167.14 b | 0.9967 | 2203.6 b | 0.126846 b | 0.0017066 b |
| TENDL-2019 | 168.641 b | 168.641 b | 168.84 b | 1.0012 | 2120.87 b | 0.0762291 b | 0.00109076 b |

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|-----------------------------------|--|------------------------------------|
| << 61-Pm-147 | 61-Pm-148 | 61-Pm-148m >> |
| << 61-Pm-147 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pm149 production) | 61-Pm-148m MT102 (n, γ) >> |



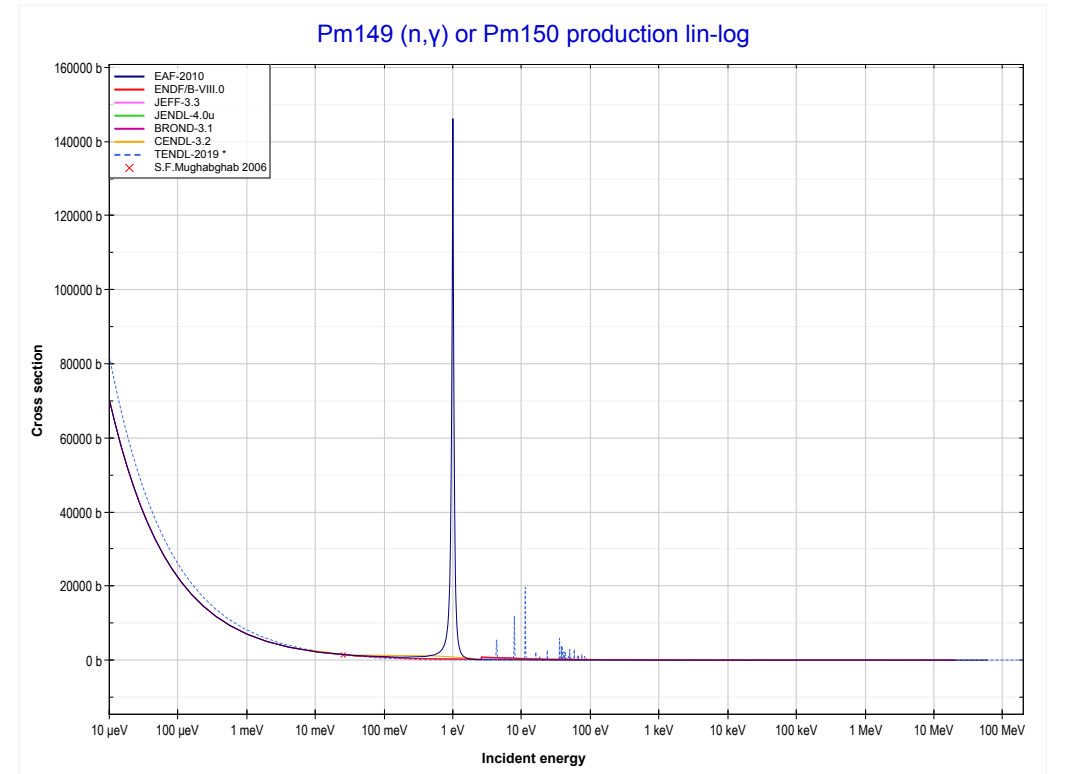
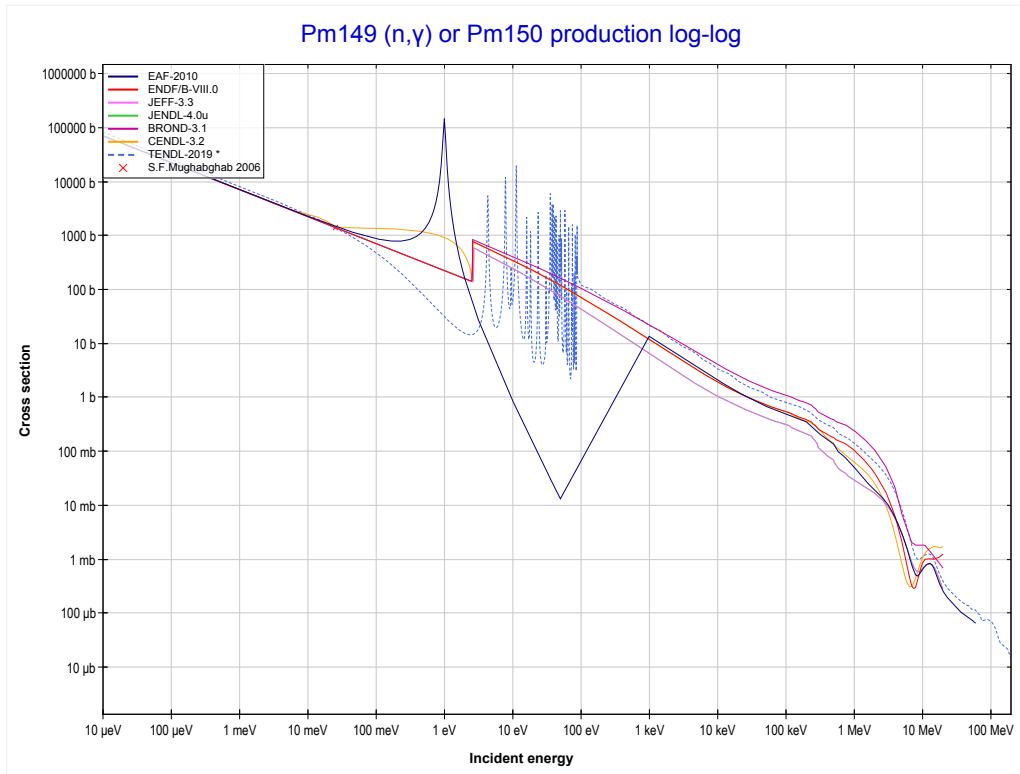
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1006.84 b | 1006.1 b | 1009.9 b | 1.00377 | 2481.58 b | 0.0943569 b | 0.00136207 b |
| ENDF/B-VIII.0 | 2000.56 b | 2000.56 b | 2001.4 b | 1.00041 | 2522.01 b | 0.170087 b | 0.00100126 b |
| JEFF-3.3 | 2000.56 b | 2000.56 b | 2001.4 b | 1.00041 | 2522.01 b | 0.170087 b | 0.00100126 b |
| JENDL-4.0u | 2000.56 b | 2000.56 b | 2001.4 b | 1.00041 | 1450.89 b | 0.0742462 b | 8.54713E-4 b |
| BROND-3.1 | 2000.56 b | 2000.56 b | 2001.4 b | 1.00041 | 2522.01 b | 0.170087 b | 0.00100126 b |
| CENDL-3.2 | 2103.1 b | 2103.1 b | 2547.9 b | 1.21149 | 2882.68 b | 0.227247 b | 0.0017837 b |
| TENDL-2019 | 1991.92 b | 1991.92 b | 1984.3 b | 0.99615 | 8349.81 b | 0.145953 b | 0.0013526 b |

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|-----------------------------------|--|-----------------------------------|
| << 61-Pm-148 | 61-Pm-148m | 61-Pm-149 >> |
| << 61-Pm-148 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pm149 production) | 61-Pm-149 MT102 (n, γ) >> |



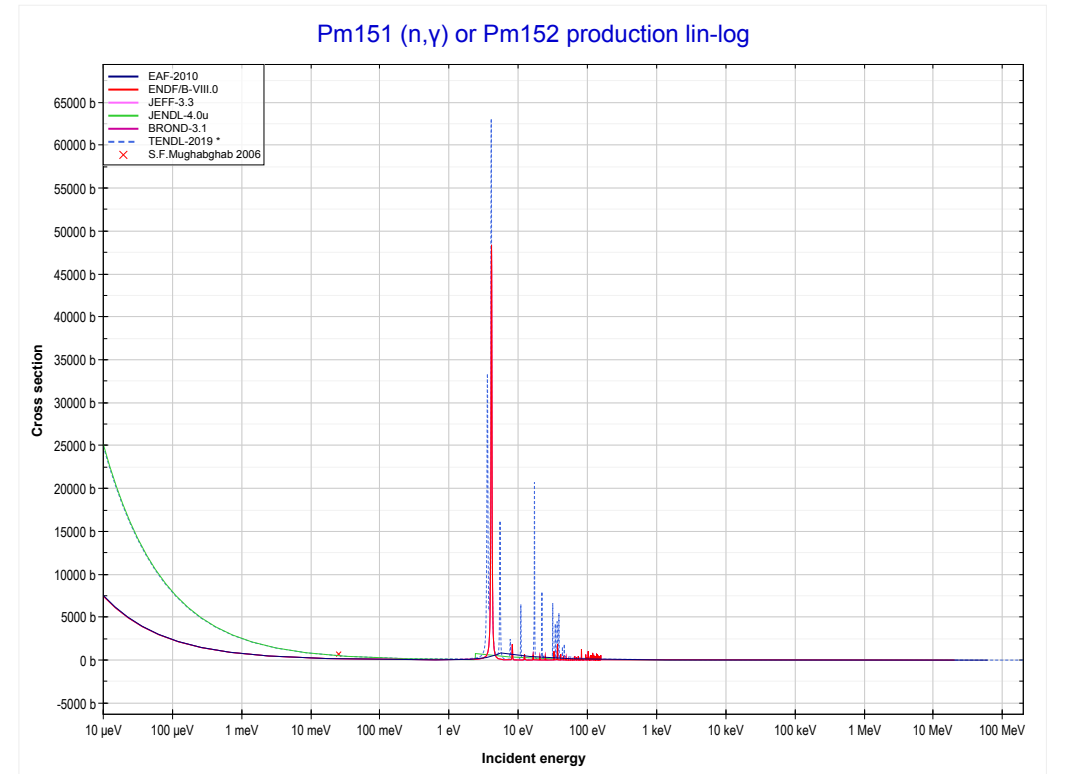
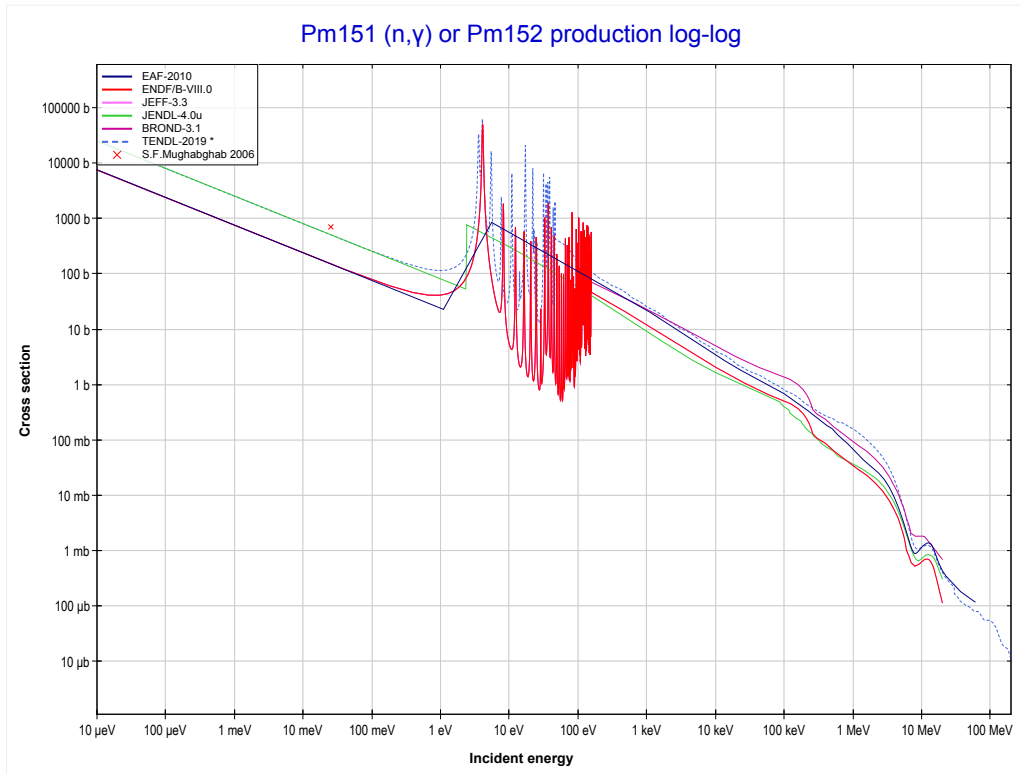
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10676.9 b | 10674.3 b | 15799 b | 1.48089 | 3638.67 b | 0.626516 b | 0.00264385 b |
| ENDF/B-VIII.0 | 9852.2 b | 9852.2 b | 14642 b | 1.48618 | 4776.71 b | 0.419804 b | 0.0015033 b |
| JEFF-3.3 | 10711.3 b | 10711.3 b | 15834 b | 1.47823 | 2080.06 b | 0.341171 b | 0.00146961 b |
| JENDL-4.0u | 10649 b | 10649 b | 15764 b | 1.4803 | 4221.63 b | 0.0953189 b | 8.42647E-4 b |
| BROND-3.1 | 10673 b | 10673 b | 15857 b | 1.48569 | 4786.83 b | 0.419804 b | 0.0015033 b |
| CENDL-3.2 | 10668.3 b | 10668.3 b | 15849 b | 1.48563 | 4786.84 b | 0.419821 b | 0.0015033 b |
| TENDL-2019 | 10570.9 b | 10570.9 b | 11153 b | 1.05506 | 3347.96 b | 0.336382 b | 0.00146639 b |

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|------------------------------------|--|-----------------------------------|
| << 61-Pm-148m | 61-Pm-149 | 61-Pm-151 >> |
| << 61-Pm-148m MT102 (n, γ) | MT102 (n,γ) or MT5 (Pm150 production) | 61-Pm-151 MT102 (n, γ) >> |



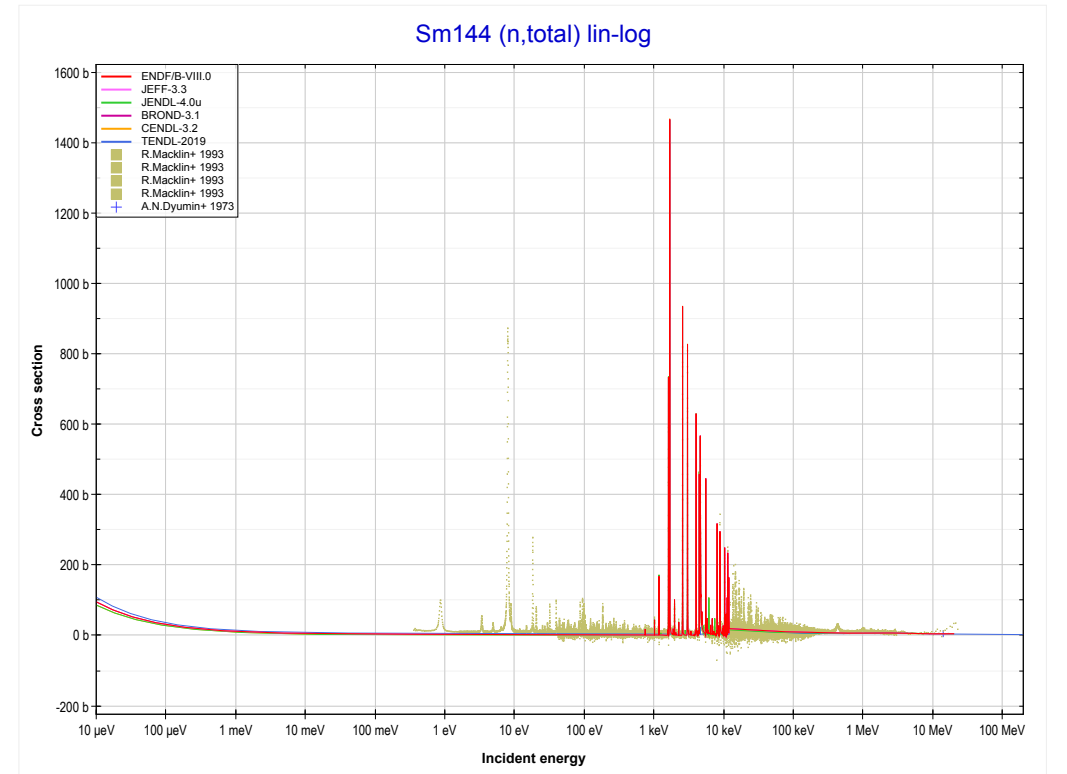
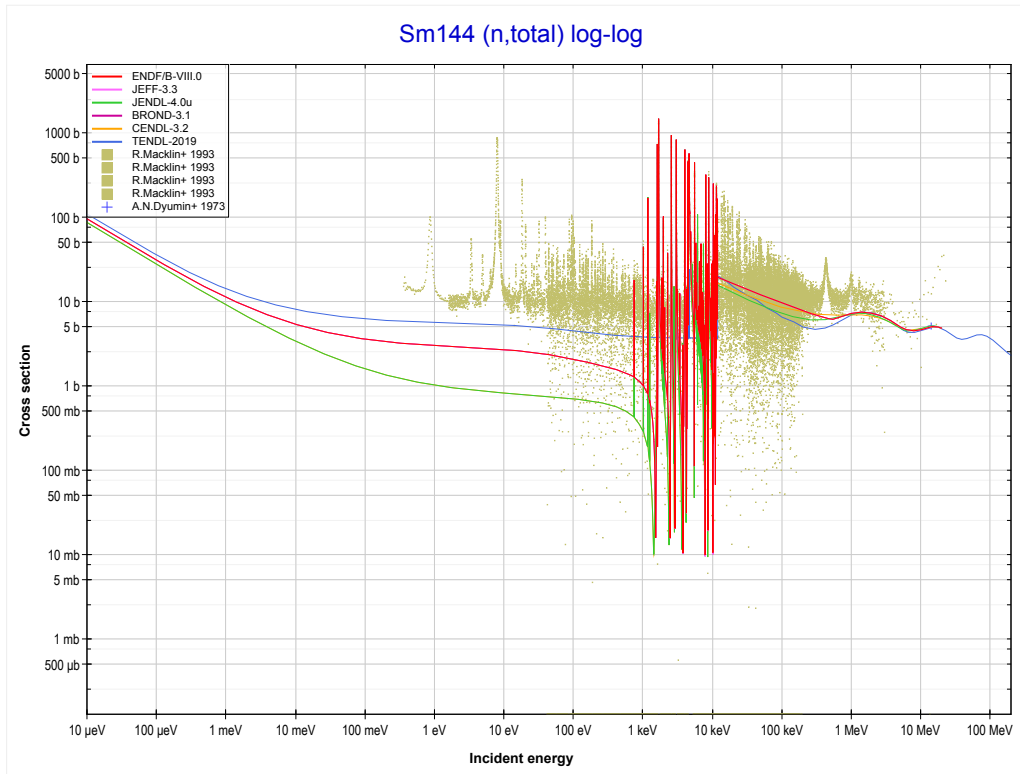
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1478.69 b | 1477.67 b | 1520.6 b | 1.02908 | 16783.4 b | 0.0689092 b | 7.84679E-4 b |
| ENDF/B-VIII.0 | 1400.39 b | 1400.39 b | 1401 b | 1.00041 | 1581.14 b | 0.0975666 b | 0.00100022 b |
| JEFF-3.3 | 1400.39 b | 1400.39 b | 1401 b | 1.00041 | 1206.93 b | 0.041377 b | 7.80342E-4 b |
| JENDL-4.0u | 1400.39 b | 1400.39 b | 1401 b | 1.00041 | 1206.93 b | 0.041377 b | 7.80342E-4 b |
| BROND-3.1 | 1400.39 b | 1400.39 b | 1401 b | 1.00041 | 1843.17 b | 0.217827 b | 0.00124022 b |
| CENDL-3.2 | 1472.94 b | 1472.94 b | 1803.6 b | 1.22449 | 2521.83 b | 0.0772026 b | 0.0016733 b |
| TENDL-2019 | 1392.92 b | 1392.92 b | 1326 b | 0.95198 | 1695.05 b | 0.147032 b | 0.00113815 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 61-Pm-149 | 61-Pm-151 | 62-Sm-144 >> |
| << 61-Pm-149 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pm152 production) | 62-Sm-144 MT1 (n,total) >> |



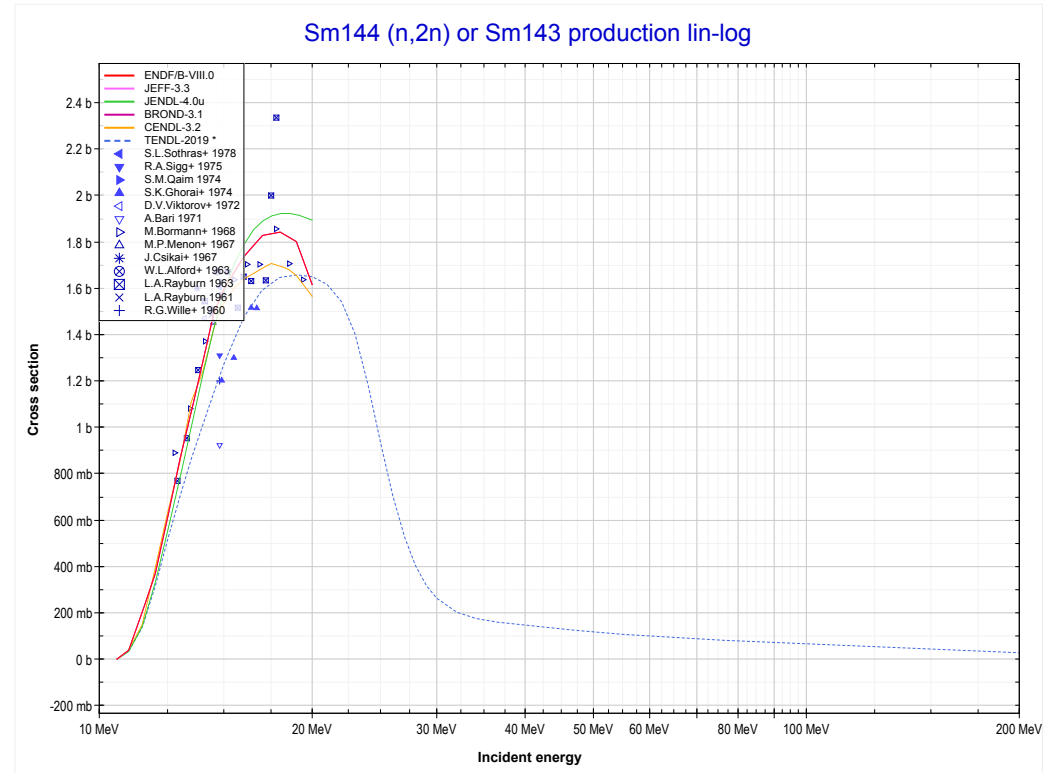
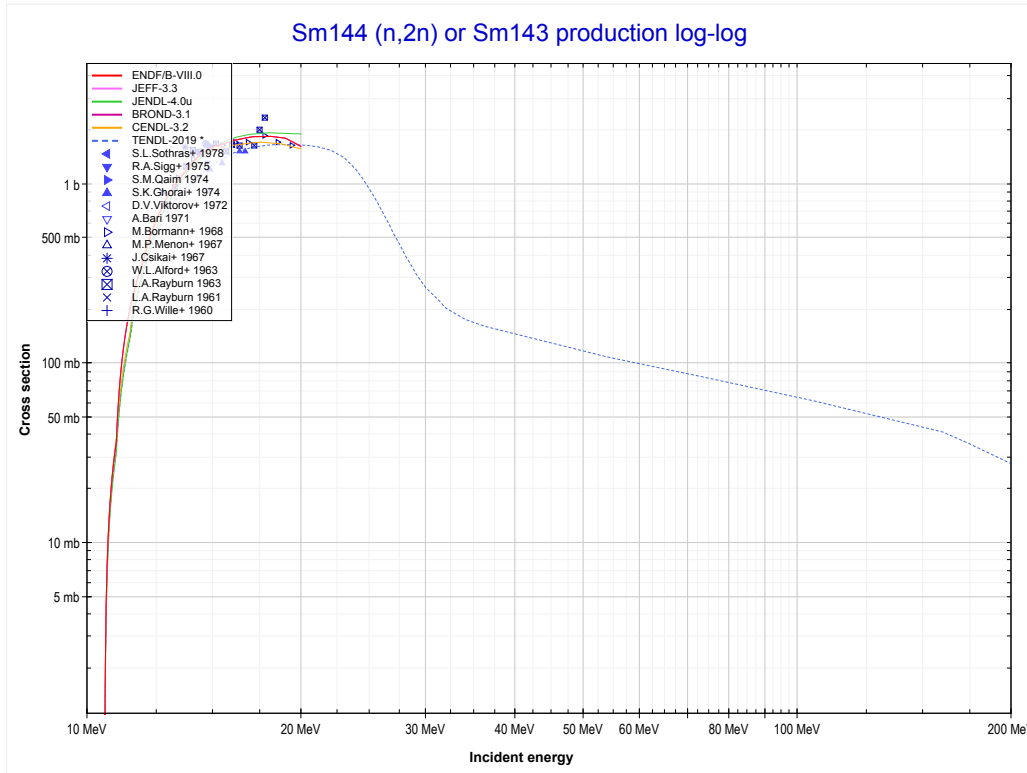
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 150 b | 149.888 b | 149.89 b | 1.00004 | 1589.88 b | 0.0897726 b | 0.00127124 b |
| ENDF/B-VIII.0 | 150.095 b | 150.095 b | 151.1 b | 1.00672 | 2962.9 b | 0.0514144 b | 5.97719E-4 b |
| JEFF-3.3 | 150.095 b | 150.095 b | 151.1 b | 1.00672 | 2962.9 b | 0.0514144 b | 5.97719E-4 b |
| JENDL-4.0u | 500.139 b | 500.139 b | 500.35 b | 1.00041 | 1265.88 b | 0.0470544 b | 8.09074E-4 b |
| BROND-3.1 | 150.095 b | 150.095 b | 151.1 b | 1.00672 | 3012.67 b | 0.137893 b | 0.00124022 b |
| TENDL-2019 | 498.188 b | 498.188 b | 499.82 b | 1.00329 | 7665.26 b | 0.149645 b | 0.00112443 b |

| | | |
|-----------------------------------|----------------------|----------------|
| << 61-Pm-147 | 62-Sm-144 | 62-Sm-147 >> |
| << 61-Pm-151 MT102 (n, γ) | MT1 (n,total) | MT16 (n,2n) >> |



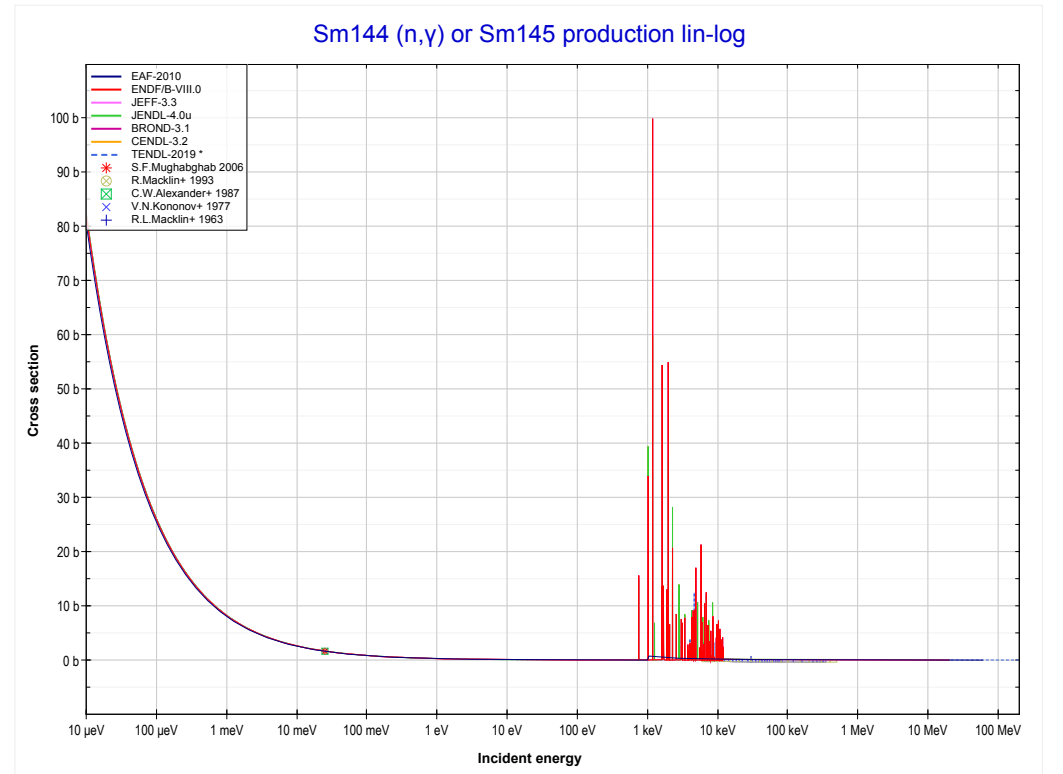
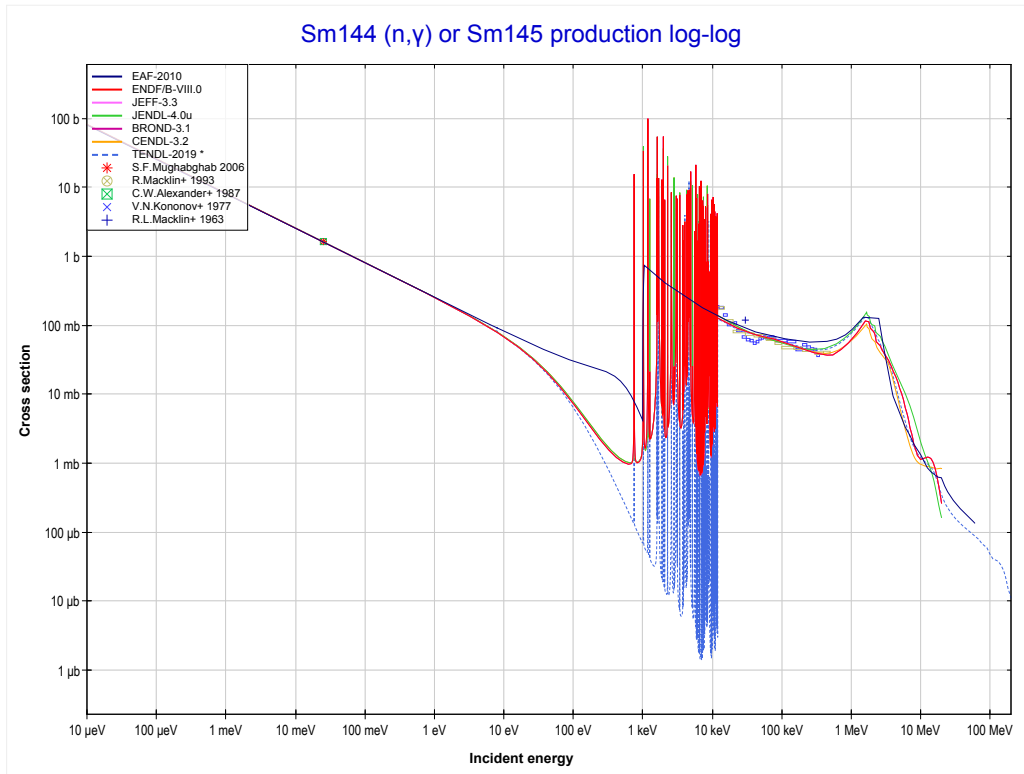
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.38293 b | 4.38293 b | 4.7362 b | 1.0806 | 101.588 b | 6.80388 b | 5.00177 b |
| JEFF-3.3 | 4.38293 b | 4.38293 b | 4.7362 b | 1.0806 | 101.584 b | 6.80196 b | 5.00177 b |
| JENDL-4.0u | 2.4022 b | 2.4022 b | 2.5003 b | 1.04082 | 77.4719 b | 6.46788 b | 5.1188 b |
| BROND-3.1 | 4.38293 b | 4.38293 b | 4.7362 b | 1.0806 | 101.584 b | 6.80196 b | 5.00177 b |
| CENDL-3.2 | 2.40188 b | 2.40188 b | 2.4994 b | 1.04059 | 80.1585 b | 6.56617 b | 4.9483 b |
| TENDL-2019 | 7.02382 b | 7.02382 b | 7.7141 b | 1.09828 | 71.8634 b | 6.34139 b | 4.88007 b |

| | | |
|------------------|--|-------------------------|
| << 60-Nd-150 | 62-Sm-144 | 62-Sm-148 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Sm143 production) | MT102 (n, γ) >> |



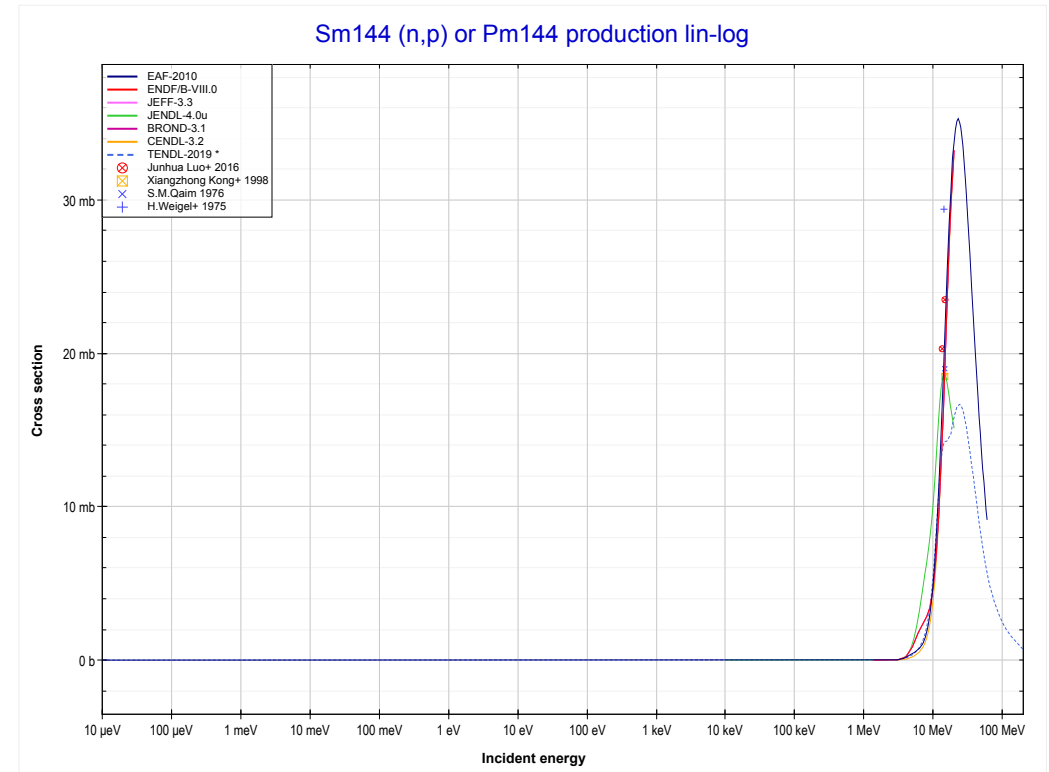
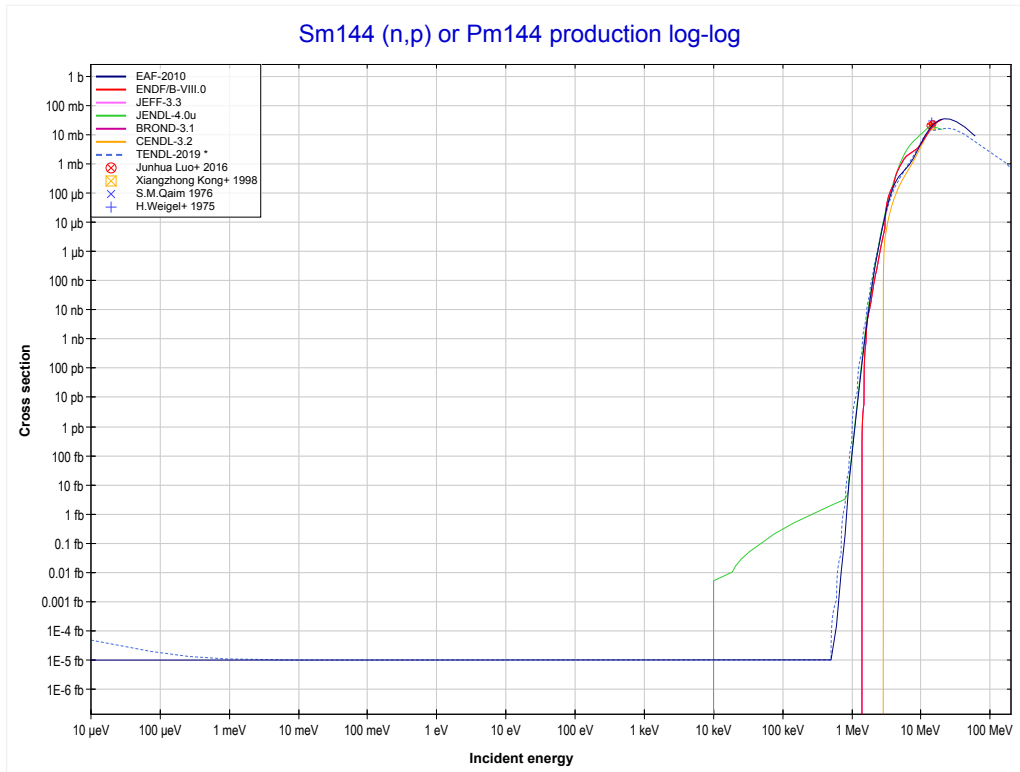
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.5496E-4 b | 1.27771 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.5496E-4 b | 1.27771 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.11326E-4 b | 1.22316 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.5496E-4 b | 1.27771 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.41145E-4 b | 1.2364 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.50112E-4 b | 1.00931 b |

| | | |
|----------------|--|----------------|
| << 61-Pm-151 | 62-Sm-144 | 62-Sm-145 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sm145 production) | MT103 (n,p) >> |



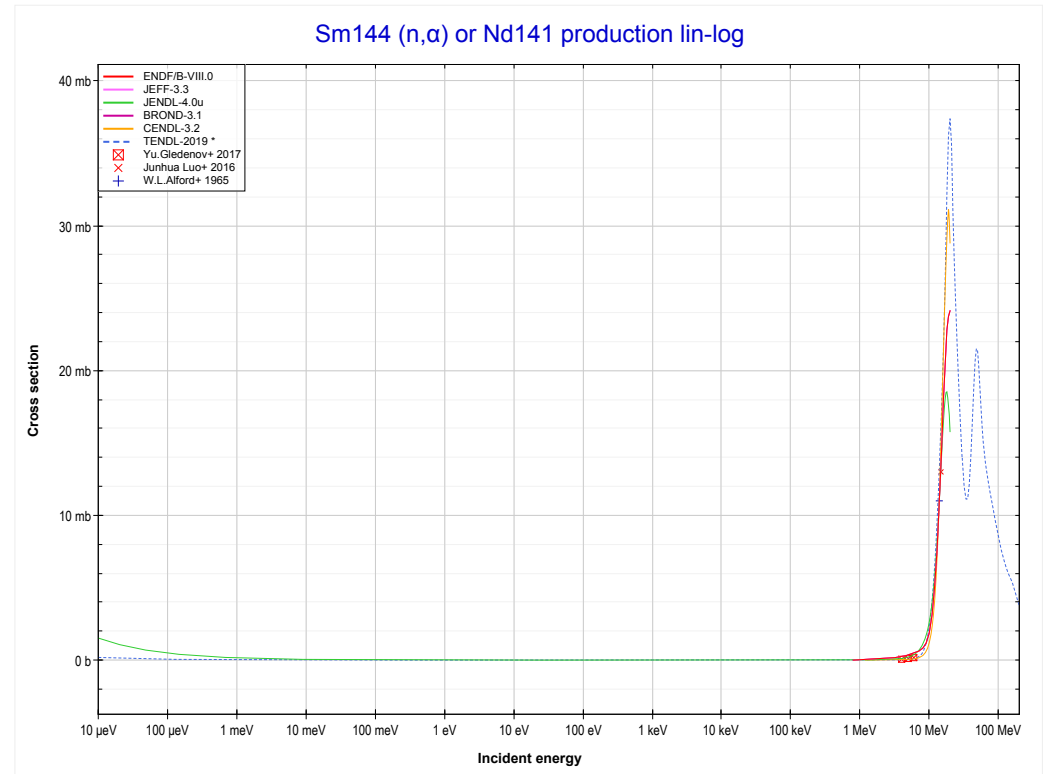
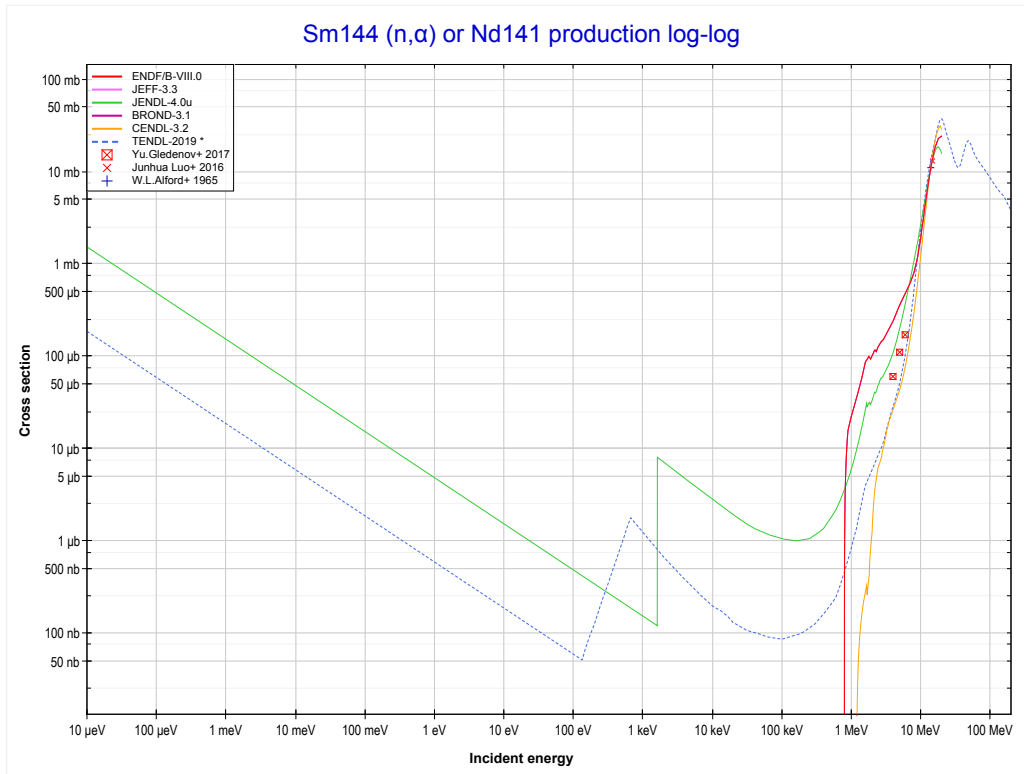
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.60008 b | 1.59888 b | 1.5989 b | 1.00003 | 1.74613 b | 0.0764451 b | 7.47356E-4 b |
| ENDF/B-VIII.0 | 1.63037 b | 1.63037 b | 1.6307 b | 1.00019 | 1.62611 b | 0.0561572 b | 0.00117757 b |
| JEFF-3.3 | 1.63037 b | 1.63037 b | 1.6307 b | 1.00019 | 1.62611 b | 0.0561552 b | 0.00117757 b |
| JENDL-4.0u | 1.64065 b | 1.64065 b | 1.641 b | 1.0002 | 1.60751 b | 0.0705735 b | 8.00382E-4 b |
| BROND-3.1 | 1.63037 b | 1.63037 b | 1.6307 b | 1.00019 | 1.62611 b | 0.0561552 b | 0.00117757 b |
| CENDL-3.2 | 1.64036 b | 1.64036 b | 1.6401 b | 0.99982 | 1.60551 b | 0.0499766 b | 8.8467E-4 b |
| TENDL-2019 | 1.64255 b | 1.64255 b | 1.6422 b | 0.9998 | 0.834876 b | 0.0641745 b | 8.83529E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 60-Nd-148 | 62-Sm-144 | 62-Sm-148 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm144 production) | MT107 (n, α) >> |



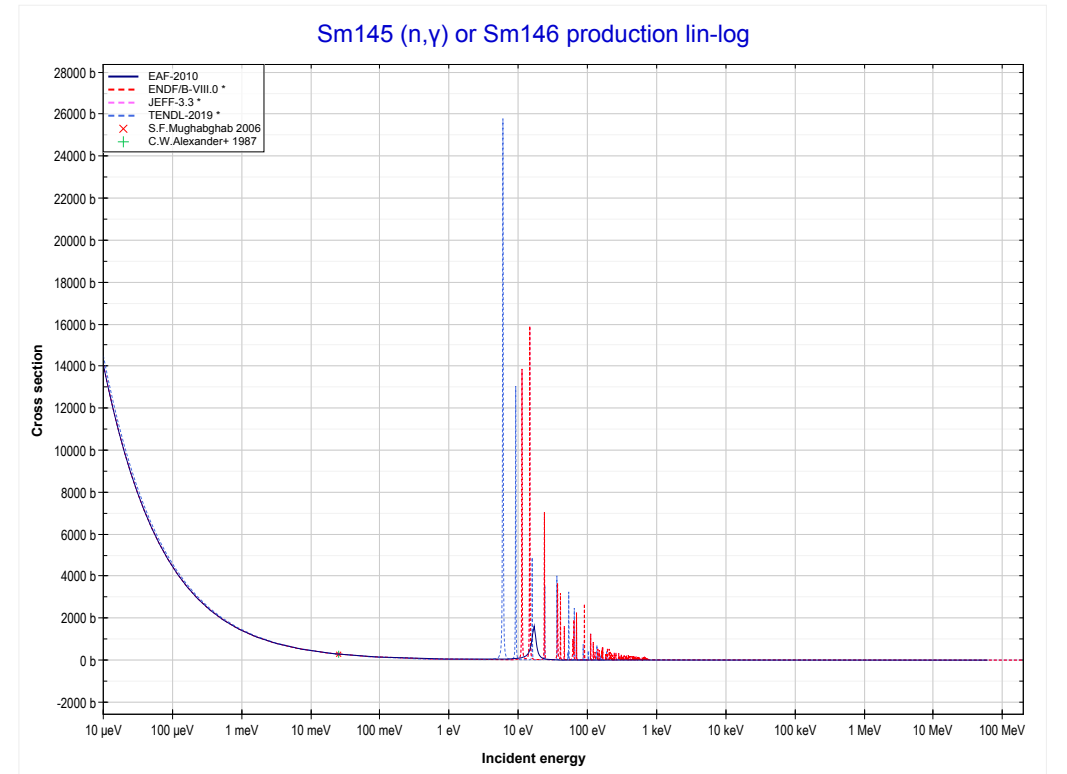
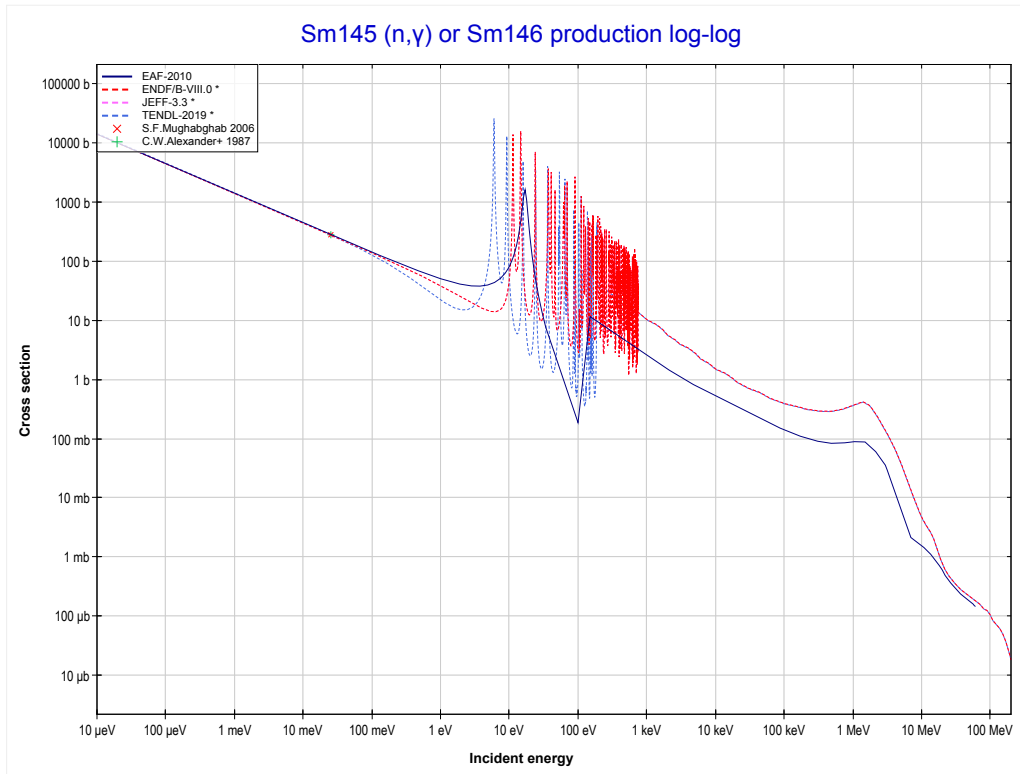
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22084E-19 b | 9.61584E-5 b | 0.0185522 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59132E-4 b | 0.0160266 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59132E-4 b | 0.0160266 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.87338E-16 b | 2.55486E-4 b | 0.0185659 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59132E-4 b | 0.0160266 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.2457E-5 b | 0.016338 b |
| TENDL-2019 | 1.0035E-20 b | 1.0035E-20 b | 1.1324E-20 b | 1.12844 | 1.22071E-19 b | 9.46133E-5 b | 0.0140318 b |

| | | |
|----------------|--|-----------------------------------|
| << 60-Nd-148 | 62-Sm-144 | 62-Sm-147 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Nd141 production) | 62-Sm-145 MT102 (n, γ) >> |



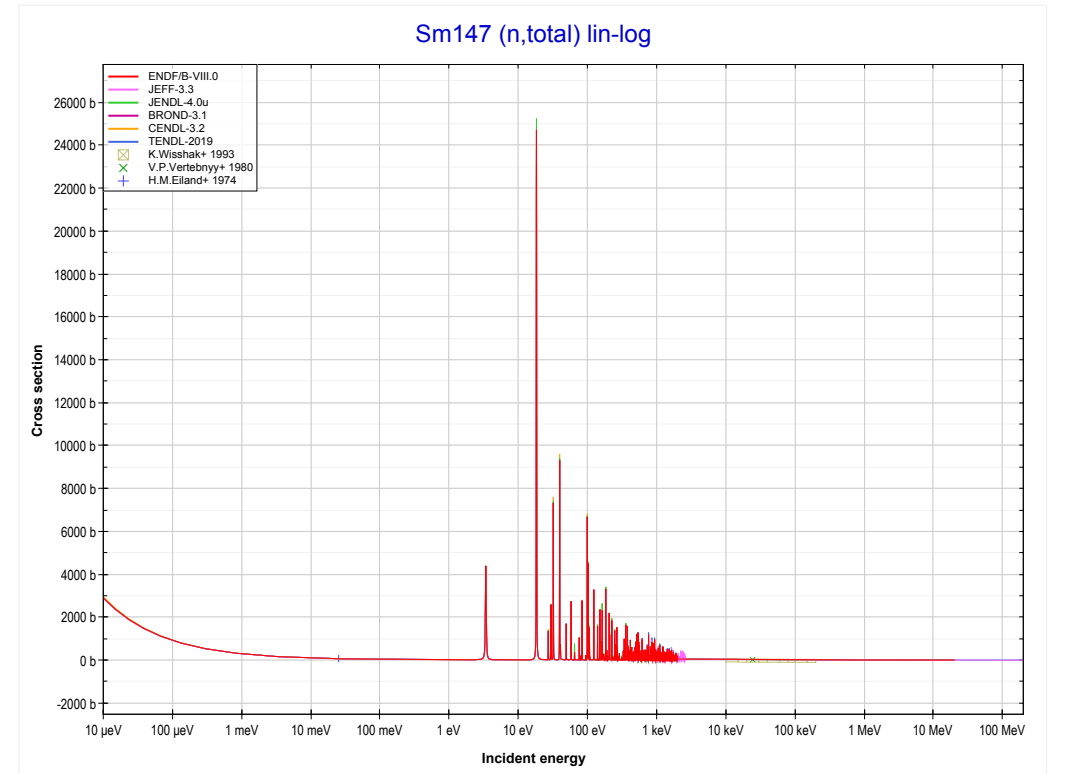
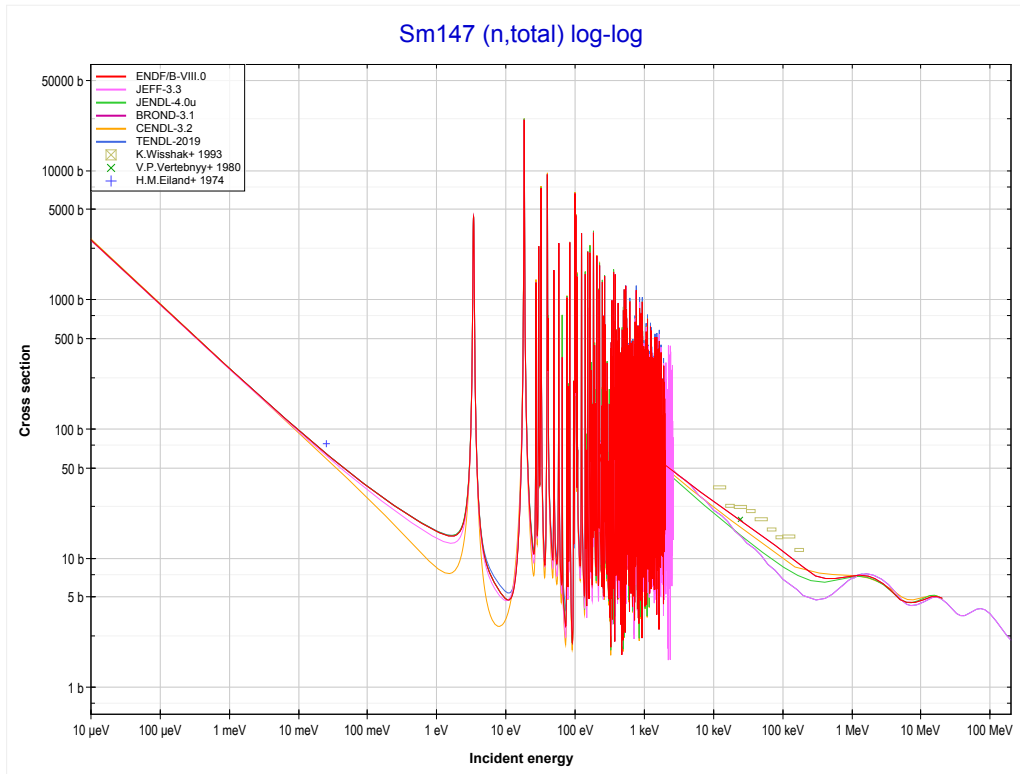
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1867E-4 b | 0.010978 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1867E-4 b | 0.010978 b |
| JENDL-4.0u | 3.02916E-5 b | 3.02916E-5 b | 3.0305E-5 b | 1.00043 | 2.62539E-5 b | 7.1761E-5 b | 0.0109856 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1867E-4 b | 0.010978 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.04274E-5 b | 0.011132 b |
| TENDL-2019 | 3.69384E-6 b | 3.69384E-6 b | 3.6914E-6 b | 0.99935 | 4.46556E-6 b | 3.0639E-5 b | 0.0130916 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 62-Sm-144 | 62-Sm-145 | 62-Sm-147 >> |
| << 62-Sm-144 MT107 (n, α) | MT102 (n,γ) or MT5 (Sm146 production) | 62-Sm-147 MT1 (n,total) >> |



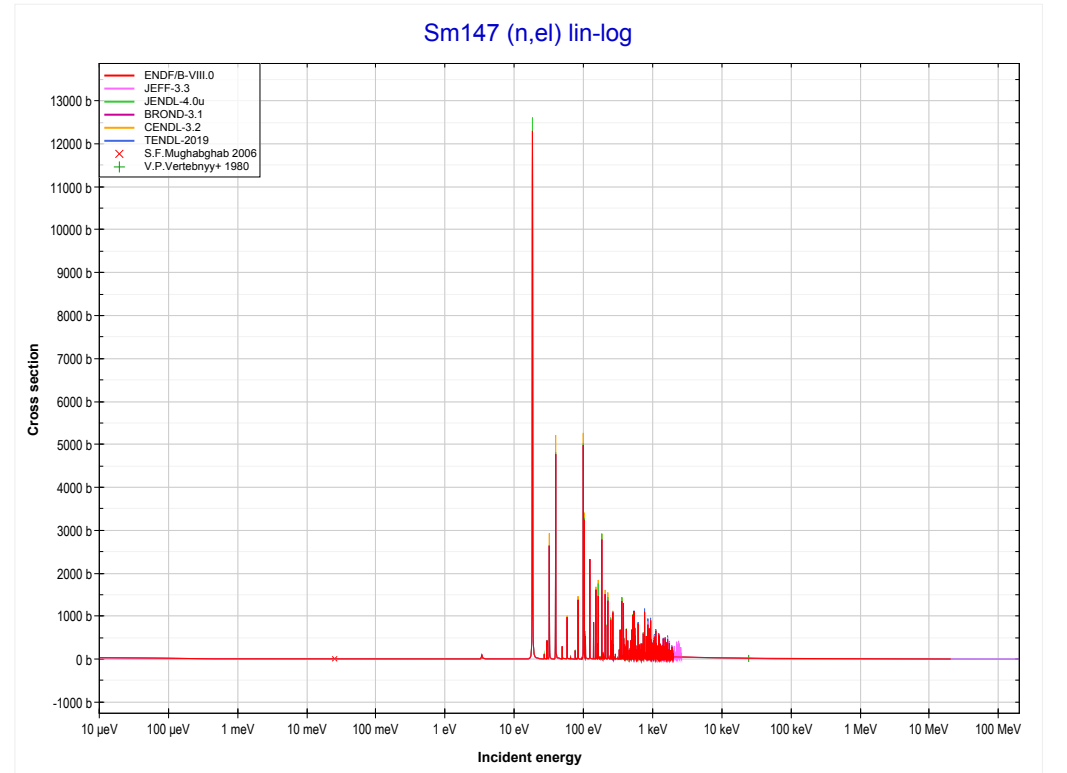
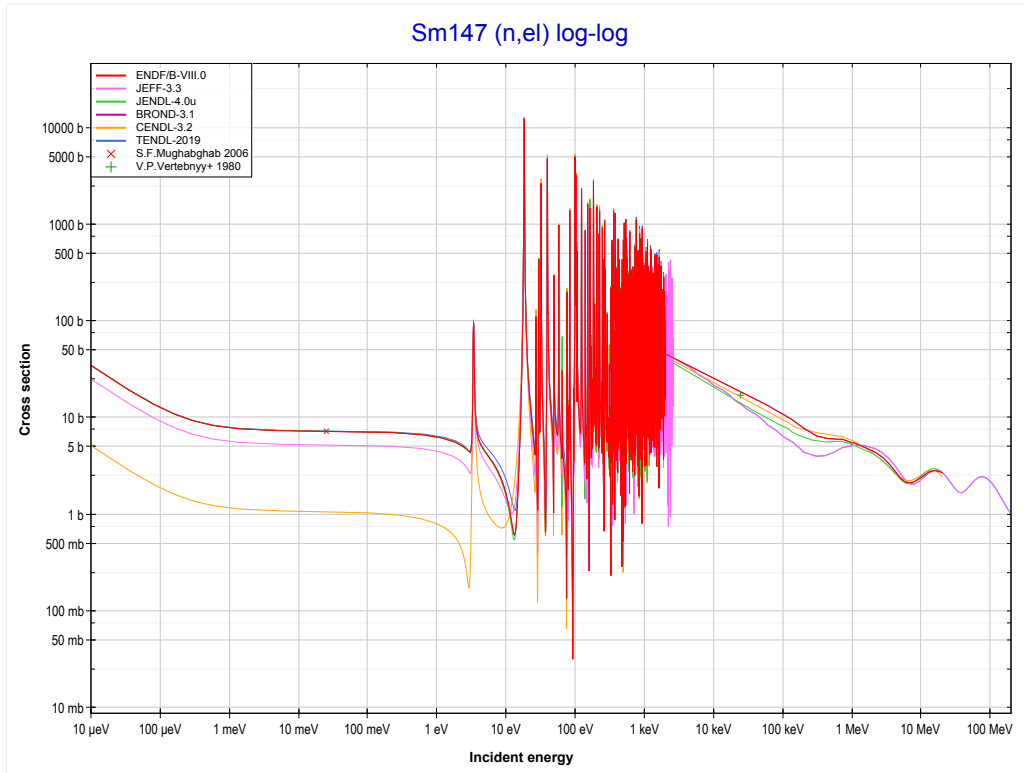
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 280.903 b | 280.694 b | 281.18 b | 1.00175 | 542.039 b | 0.0658312 b | 0.00106 b |
| ENDF/B-VIII.0 | 278.775 b | 278.775 b | 278.3 b | 0.99828 | 1241.34 b | 0.265951 b | 0.00240617 b |
| JEFF-3.3 | 278.775 b | 278.775 b | 278.3 b | 0.99828 | 1241.34 b | 0.265951 b | 0.00240617 b |
| TENDL-2019 | 278.966 b | 278.966 b | 274.94 b | 0.98557 | 1644.74 b | 0.262277 b | 0.00238515 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 62-Sm-144 | 62-Sm-147 | 62-Sm-148 >> |
| << 62-Sm-145 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



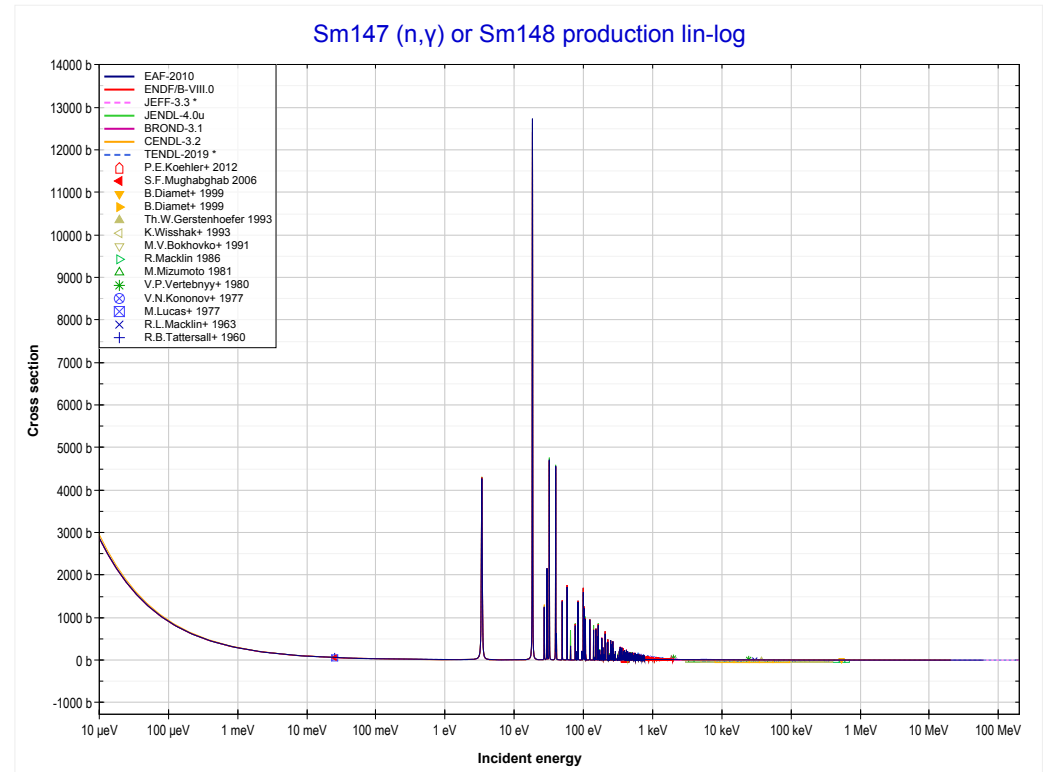
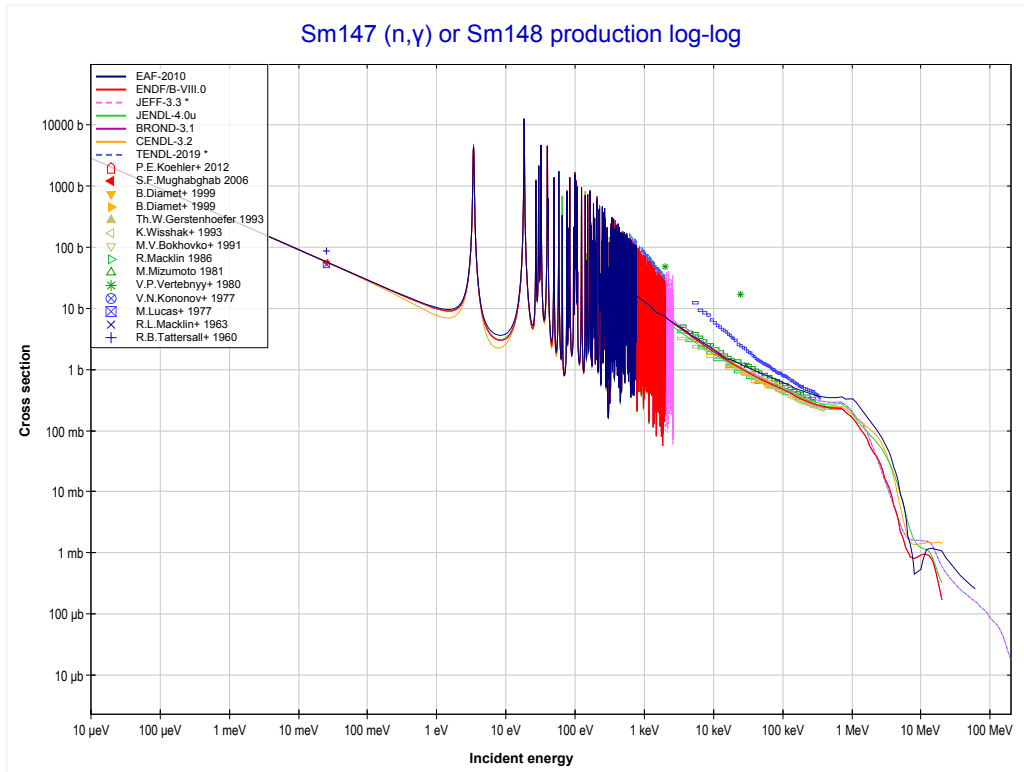
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 64.1915 b | 64.1915 b | 65.126 b | 1.01455 | 1520.9 b | 6.90181 b | 5.03677 b |
| JEFF-3.3 | 61.8792 b | 61.8792 b | 62.565 b | 1.01108 | 1500.63 b | 6.49246 b | 4.93647 b |
| JENDL-4.0u | 64.246 b | 64.246 b | 65.189 b | 1.01467 | 1536.97 b | 6.63024 b | 5.16644 b |
| BROND-3.1 | 64.1915 b | 64.1915 b | 65.126 b | 1.01455 | 1520.9 b | 6.90181 b | 5.03677 b |
| CENDL-3.2 | 59.0642 b | 59.0642 b | 58.877 b | 0.99682 | 1523.97 b | 6.93226 b | 5.1413 b |
| TENDL-2019 | 64.3009 b | 64.3009 b | 65.229 b | 1.01443 | 1520.99 b | 6.4928 b | 4.93647 b |

| | | |
|------------------|------------------------|-------------------------|
| << 61-Pm-147 | 62-Sm-147 | 62-Sm-149 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



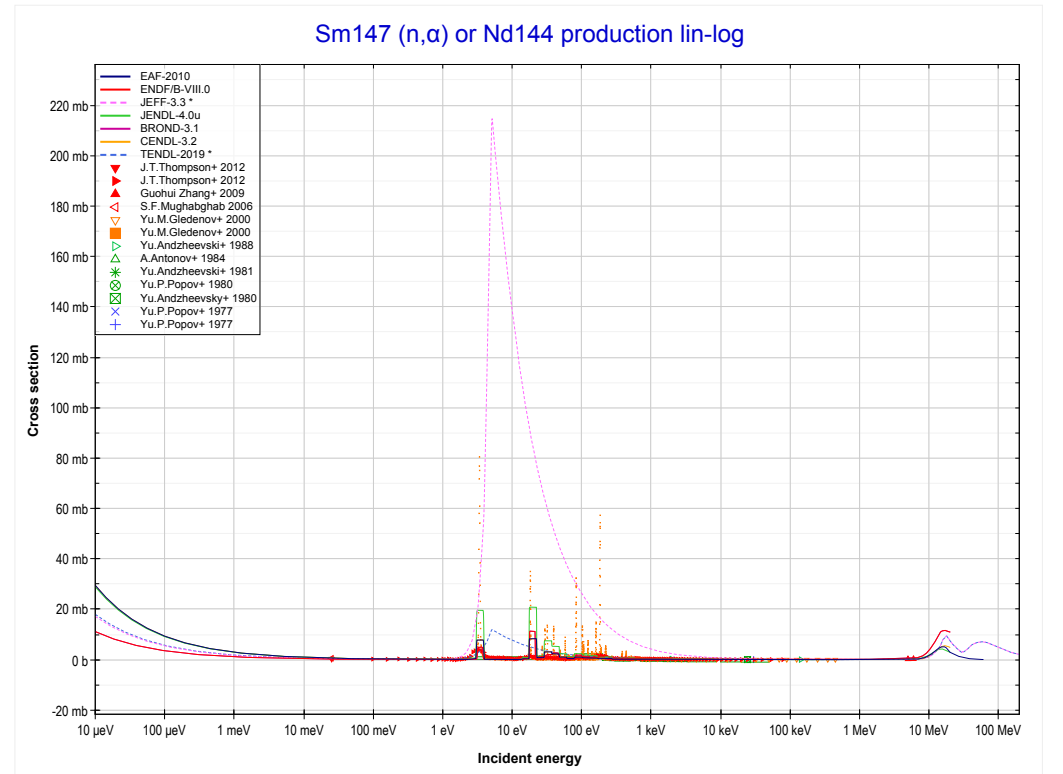
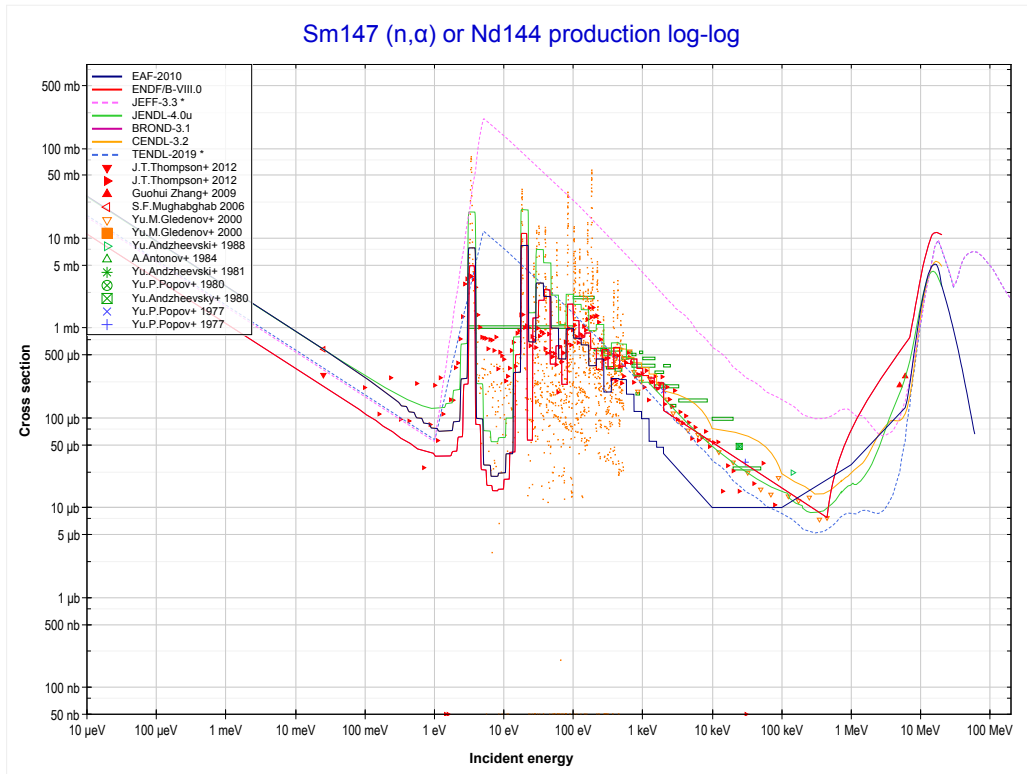
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.19139 b | 7.19139 b | 8.0881 b | 1.12469 | 743.383 b | 4.90001 b | 2.78368 b |
| JEFF-3.3 | 5.19557 b | 5.19557 b | 5.8418 b | 1.12437 | 720.91 b | 4.49912 b | 2.76164 b |
| JENDL-4.0u | 7.22107 b | 7.22107 b | 8.1209 b | 1.12461 | 741.597 b | 4.50742 b | 2.92997 b |
| BROND-3.1 | 7.19139 b | 7.19139 b | 8.0881 b | 1.12469 | 743.383 b | 4.90001 b | 2.78368 b |
| CENDL-3.2 | 1.06008 b | 1.06008 b | 1.187 b | 1.11974 | 744.665 b | 4.91302 b | 2.8377 b |
| TENDL-2019 | 7.2439 b | 7.2439 b | 8.1513 b | 1.12526 | 739.893 b | 4.50053 b | 2.76164 b |

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|--------------------|--|-------------------------|
| << 62-Sm-145 | 62-Sm-147 | 62-Sm-148 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sm148 production) | MT107 (n, α) >> |



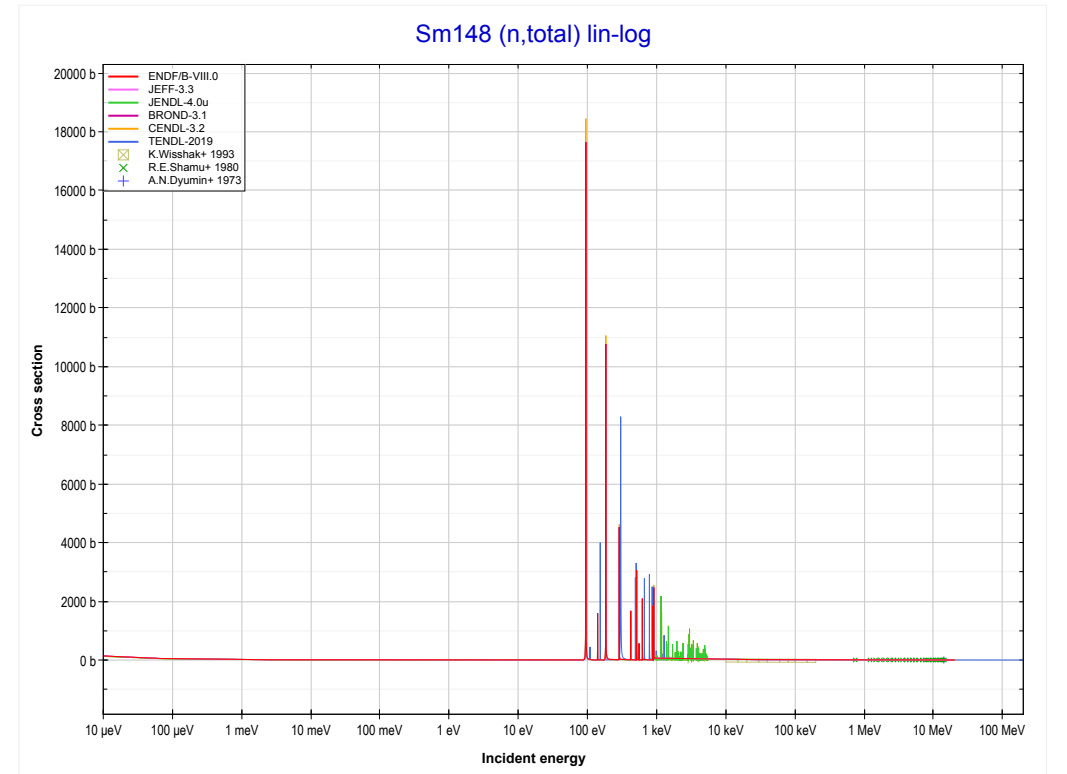
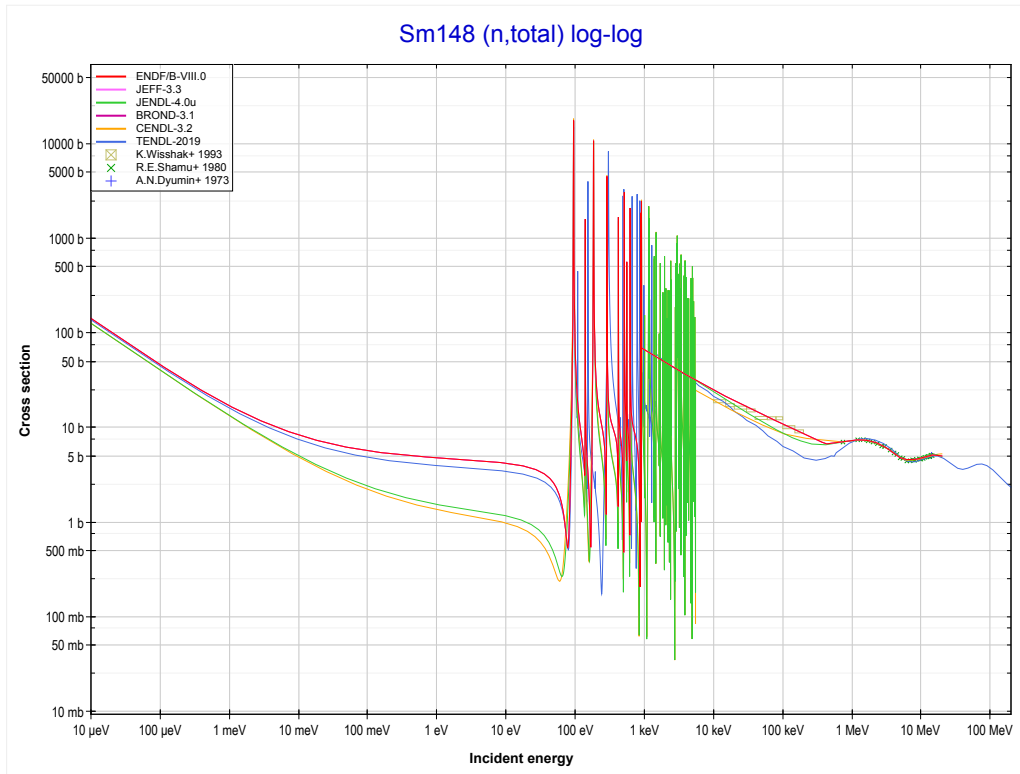
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 57.2353 b | 57.1926 b | 57.234 b | 1.00072 | 793.576 b | 0.207726 b | 0.001196 b |
| ENDF/B-VIII.0 | 56.9999 b | 56.9999 b | 57.037 b | 1.00066 | 777.508 b | 0.118535 b | 8.3095E-4 b |
| JEFF-3.3 | 56.6833 b | 56.6833 b | 56.723 b | 1.00069 | 779.363 b | 0.144978 b | 0.00141774 b |
| JENDL-4.0u | 57.0244 b | 57.0244 b | 57.067 b | 1.00075 | 795.354 b | 0.143596 b | 9.49761E-4 b |
| BROND-3.1 | 56.9999 b | 56.9999 b | 57.037 b | 1.00066 | 777.508 b | 0.118535 b | 8.3095E-4 b |
| CENDL-3.2 | 58.0035 b | 58.0035 b | 57.689 b | 0.99458 | 779.303 b | 0.143886 b | 0.001467 b |
| TENDL-2019 | 57.0566 b | 57.0566 b | 57.077 b | 1.00036 | 781.056 b | 0.143125 b | 0.00141663 b |

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|-------------------------|--|----------------------------|
| << 62-Sm-144 | 62-Sm-147 | 62-Sm-149 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Nd144 production) | 62-Sm-148 MT1 (n,total) >> |



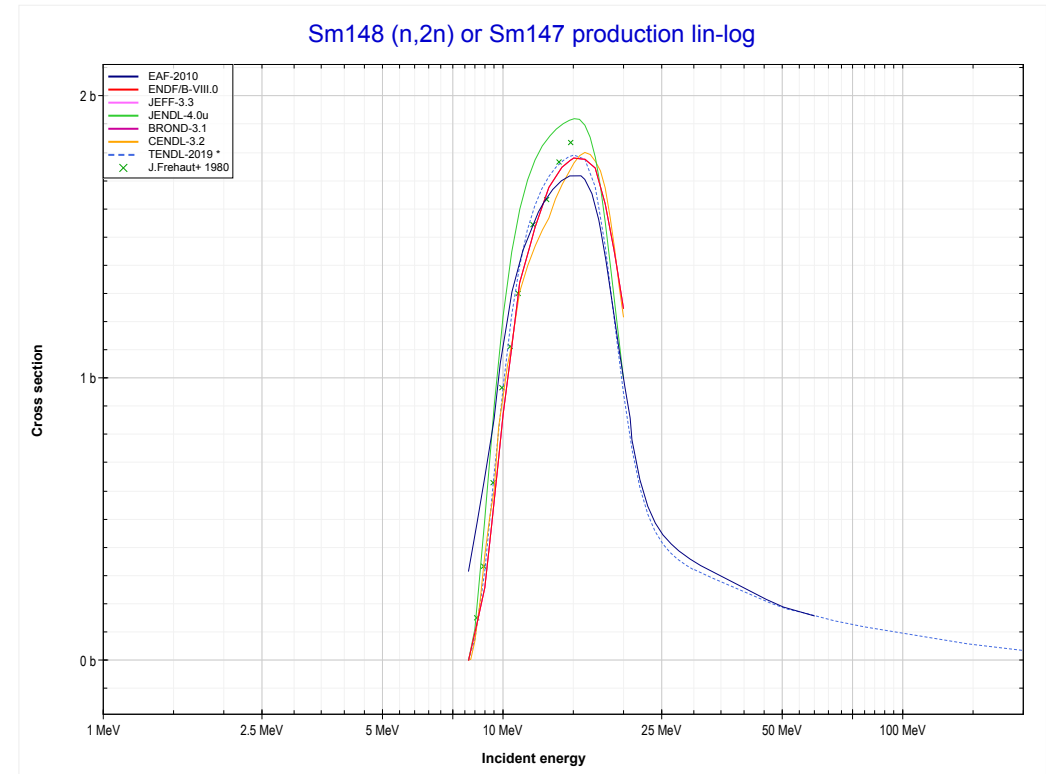
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.81089E-4 b | 5.80638E-4 b | 5.7711E-4 b | 0.9939 | 0.00744133 b | 6.29903E-5 b | 0.00465263 b |
| ENDF/B-VIII.0 | 2.25249E-4 b | 2.25249E-4 b | 2.2378E-4 b | 0.99348 | 0.00685481 b | 2.15099E-4 b | 0.00998002 b |
| JEFF-3.3 | 3.41158E-4 b | 3.41158E-4 b | 3.4126E-4 b | 1.0003 | 0.353988 b | 1.08208E-4 b | 0.00462652 b |
| JENDL-4.0u | 5.77523E-4 b | 5.77523E-4 b | 5.7956E-4 b | 1.00352 | 0.0182447 b | 6.41568E-5 b | 0.00416769 b |
| BROND-3.1 | 2.25249E-4 b | 2.25249E-4 b | 2.2378E-4 b | 0.99348 | 0.00685481 b | 2.15099E-4 b | 0.00998002 b |
| CENDL-3.2 | 5.80679E-4 b | 5.80679E-4 b | 5.771E-4 b | 0.99384 | 0.00832659 b | 5.63479E-5 b | 0.0044963 b |
| TENDL-2019 | 3.58411E-4 b | 3.58411E-4 b | 3.5835E-4 b | 0.99984 | 0.0207568 b | 2.06984E-5 b | 0.00470275 b |

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|-----------------------------------|----------------------|----------------|
| << 62-Sm-147 | 62-Sm-148 | 62-Sm-149 >> |
| << 62-Sm-147 MT107 (n, α) | MT1 (n,total) | MT16 (n,2n) >> |



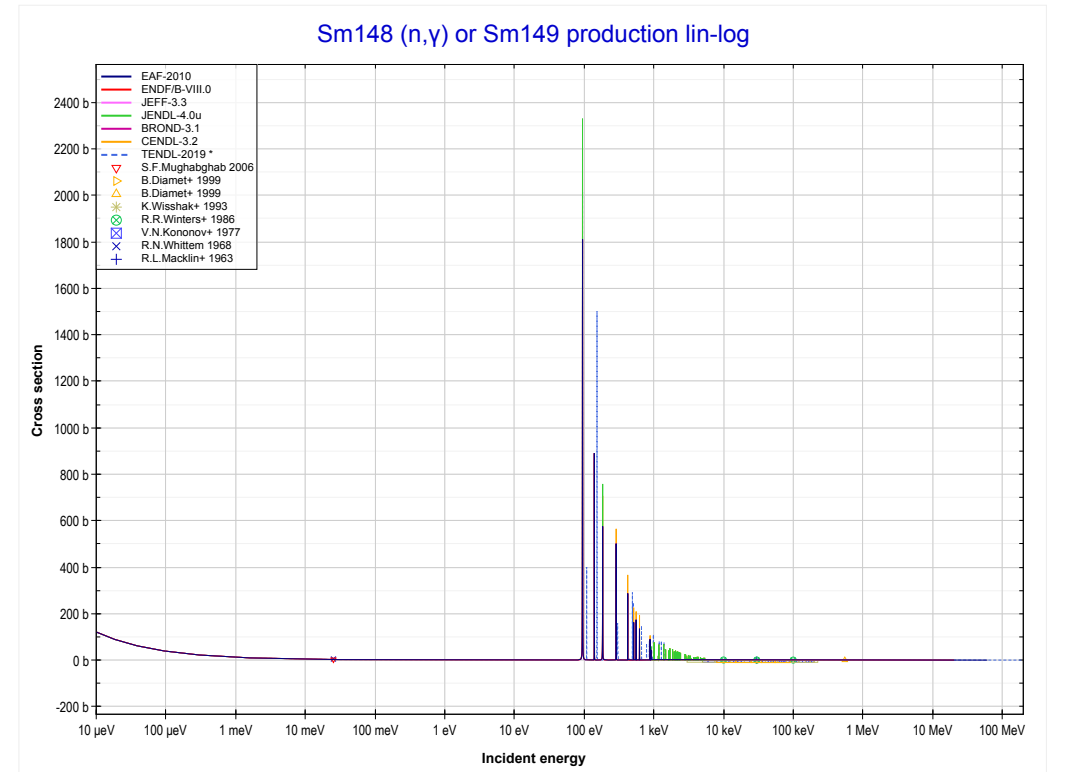
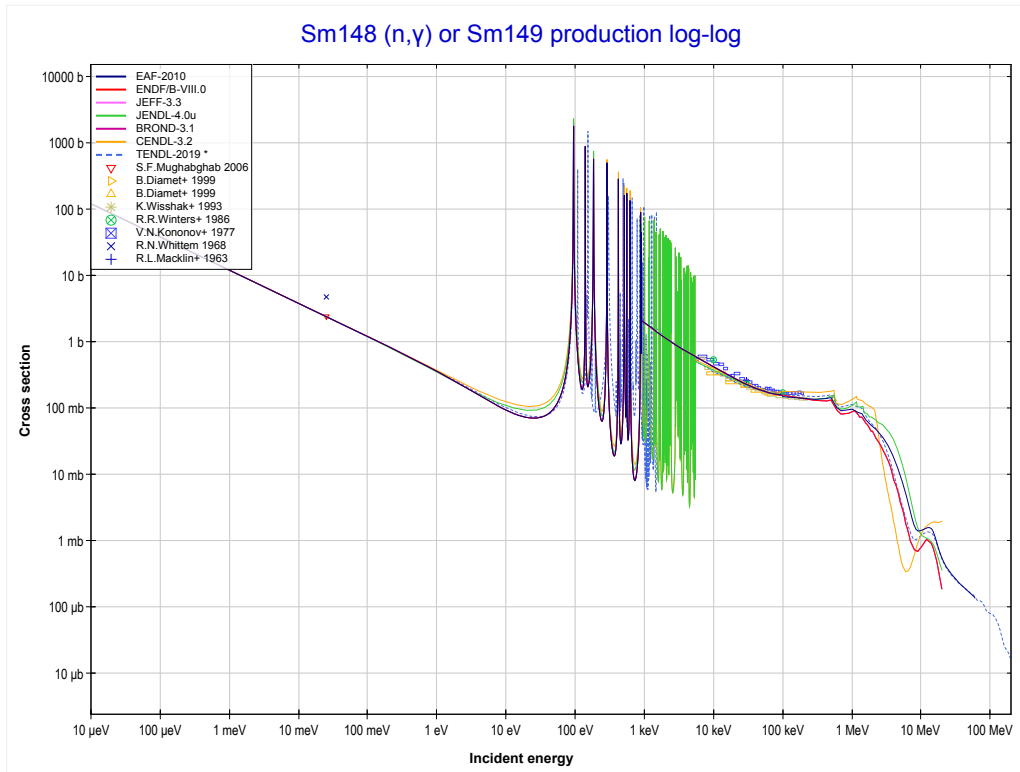
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.87325 b | 6.87325 b | 7.4449 b | 1.08317 | 515.747 b | 6.86927 b | 5.09433 b |
| JEFF-3.3 | 6.87325 b | 6.87325 b | 7.4449 b | 1.08317 | 515.747 b | 6.86927 b | 5.09433 b |
| JENDL-4.0u | 3.5945 b | 3.5945 b | 3.7457 b | 1.04205 | 470.637 b | 6.70461 b | 5.18583 b |
| BROND-3.1 | 6.87325 b | 6.87325 b | 7.4449 b | 1.08317 | 515.747 b | 6.86927 b | 5.09433 b |
| CENDL-3.2 | 3.41318 b | 3.41318 b | 3.5394 b | 1.03699 | 501.954 b | 6.78639 b | 5.024 b |
| TENDL-2019 | 6.01977 b | 6.01977 b | 6.4836 b | 1.07705 | 513.924 b | 6.44893 b | 4.94121 b |

| | | |
|------------------|--|-------------------------|
| << 62-Sm-144 | 62-Sm-148 | 62-Sm-150 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Sm147 production) | MT102 (n, γ) >> |



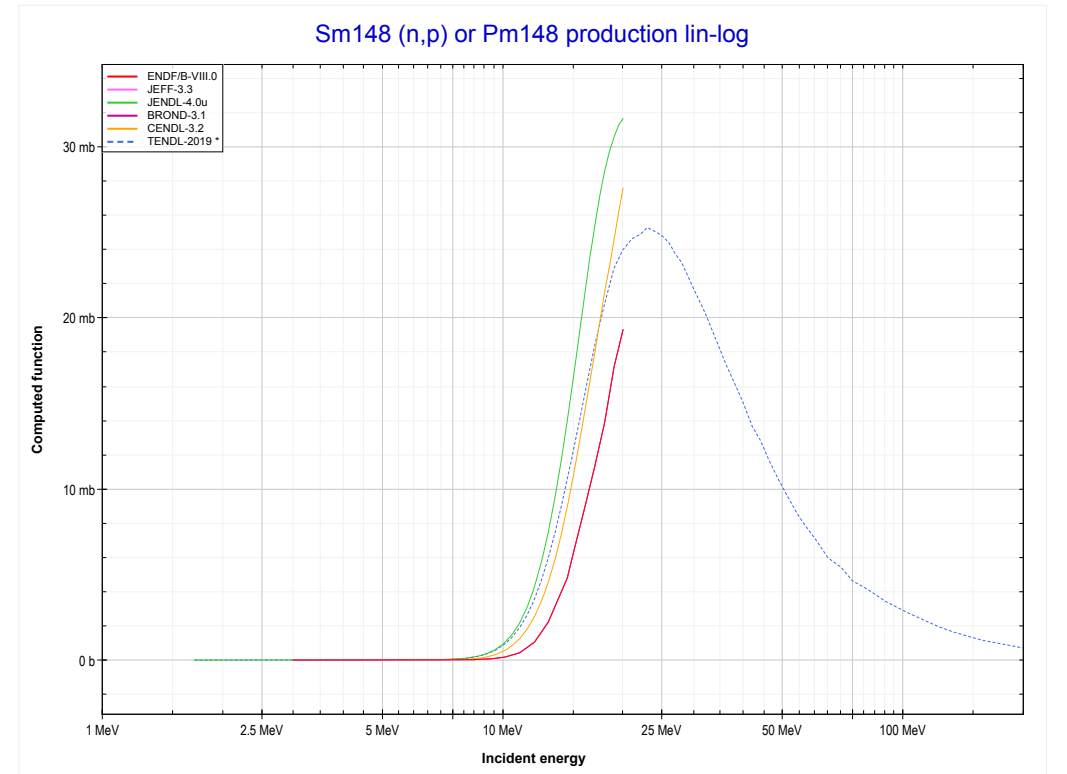
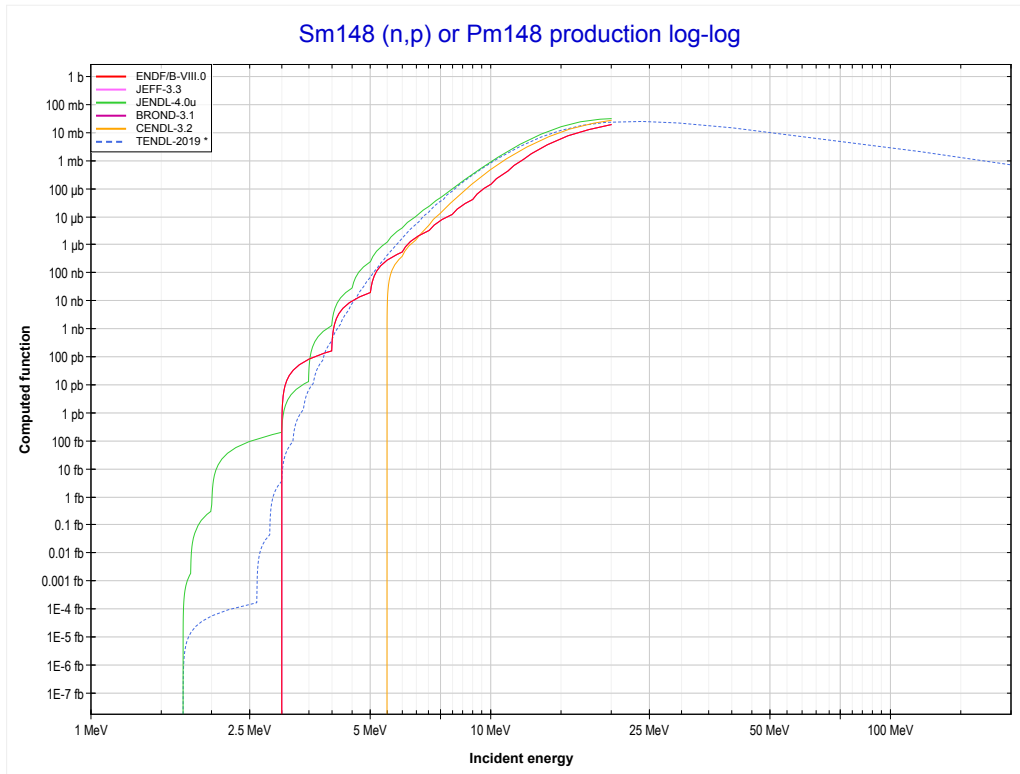
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00510983 b | 1.69952 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.003982 b | 1.74607 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.003982 b | 1.74607 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00534961 b | 1.89824 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.003982 b | 1.74607 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00413872 b | 1.6825 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0043197 b | 1.76665 b |

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|----------------|--|----------------|
| << 62-Sm-147 | 62-Sm-148 | 62-Sm-149 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Sm149 production) | MT103 (n,p) >> |



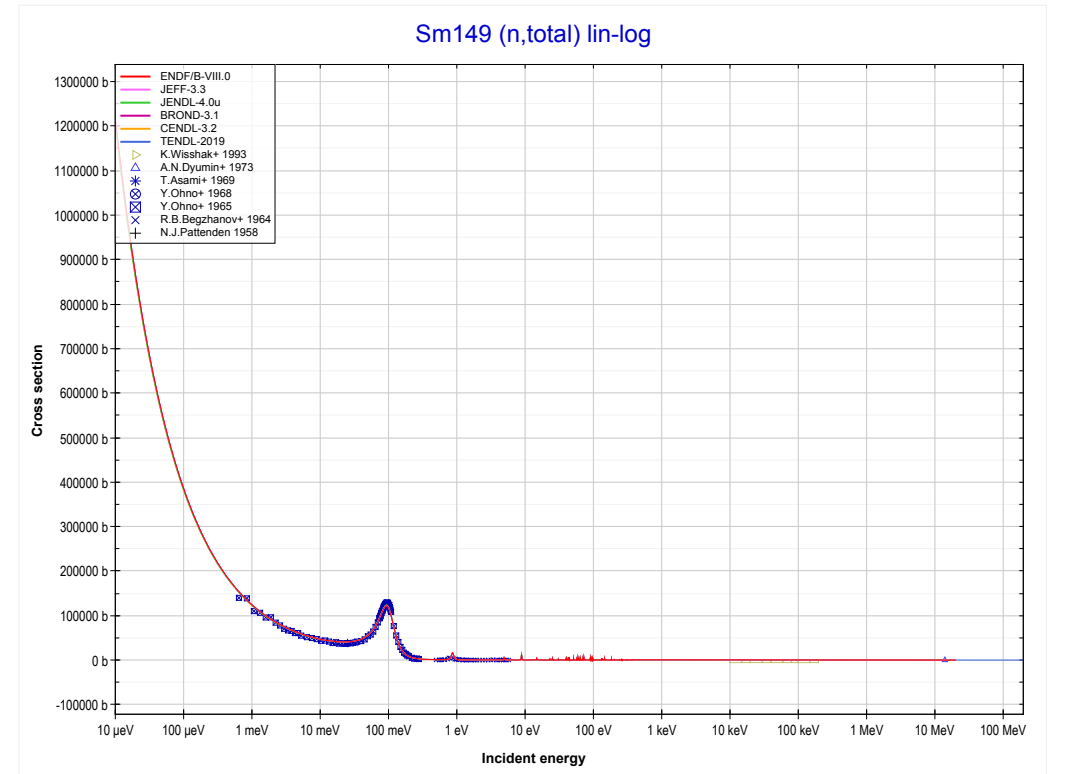
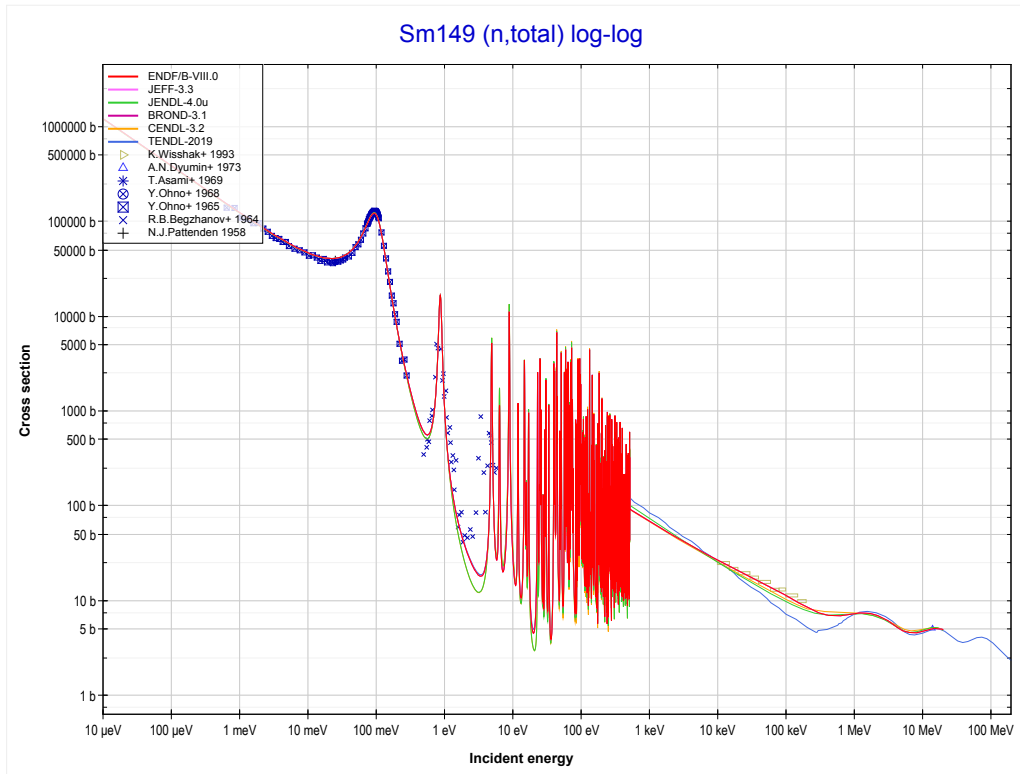
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.40023 b | 2.39848 b | 2.3963 b | 0.99912 | 35.9923 b | 0.0701332 b | 0.00151363 b |
| ENDF/B-VIII.0 | 2.40061 b | 2.40061 b | 2.3994 b | 0.99948 | 35.9954 b | 0.0618738 b | 9.06548E-4 b |
| JEFF-3.3 | 2.40061 b | 2.40061 b | 2.3994 b | 0.99948 | 35.9954 b | 0.0618738 b | 9.06548E-4 b |
| JENDL-4.0u | 2.38883 b | 2.38883 b | 2.3857 b | 0.99869 | 43.0979 b | 0.0834217 b | 9.6398E-4 b |
| BROND-3.1 | 2.40061 b | 2.40061 b | 2.3994 b | 0.99948 | 35.9954 b | 0.0618738 b | 9.06548E-4 b |
| CENDL-3.2 | 2.41314 b | 2.41314 b | 2.4114 b | 0.99927 | 44.7427 b | 0.091215 b | 0.0018437 b |
| TENDL-2019 | 2.38904 b | 2.38904 b | 2.3875 b | 0.99936 | 37.3495 b | 0.0763947 b | 0.00130758 b |

| | | |
|-------------------------|--|----------------------------|
| << 62-Sm-144 | 62-Sm-148 | 62-Sm-149 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm148 production) | 62-Sm-149 MT1 (n,total) >> |



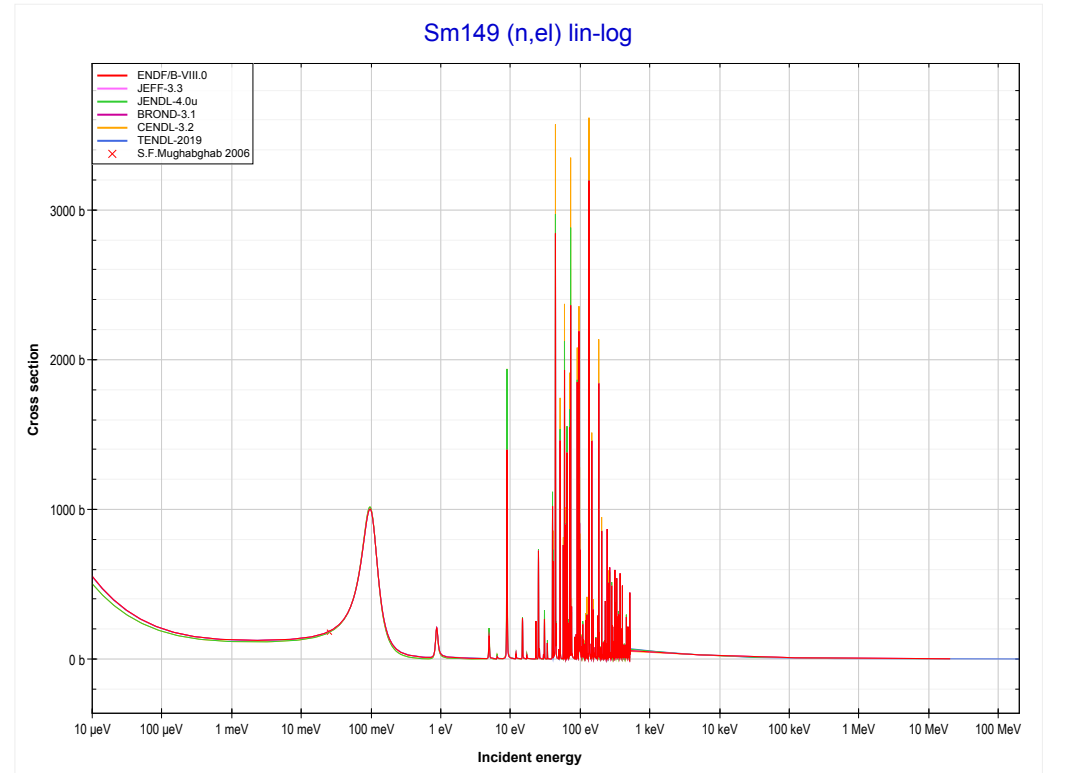
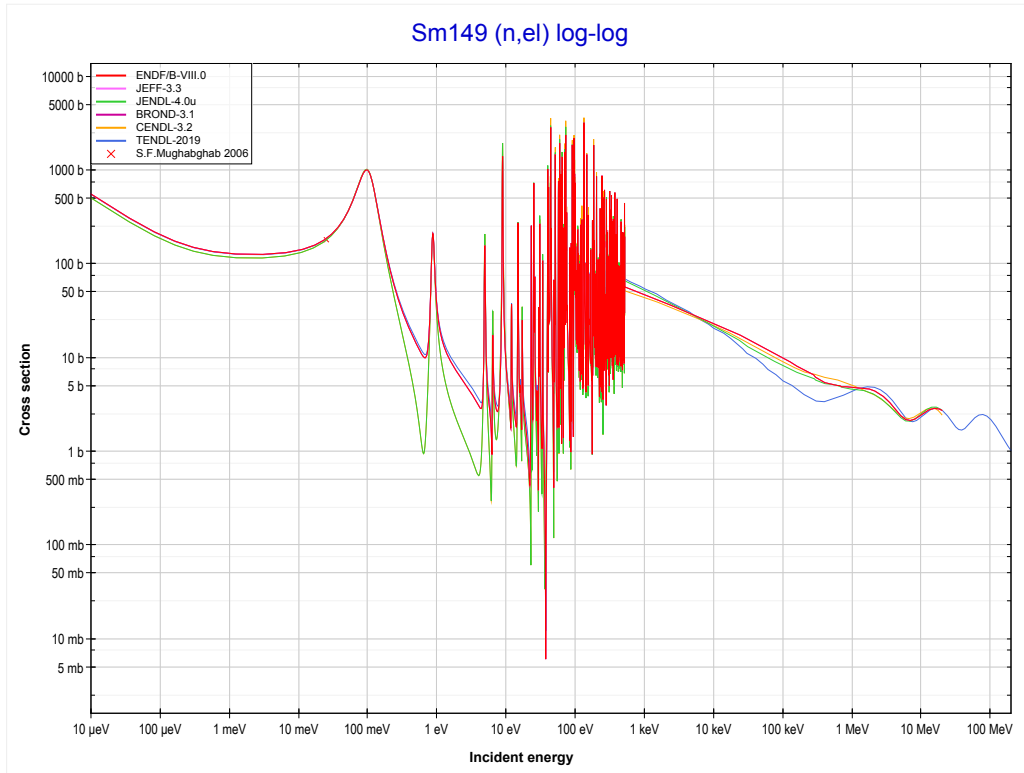
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52457E-6 b | 0.00396274 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52457E-6 b | 0.00396274 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.85458E-6 b | 0.0115935 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.52457E-6 b | 0.00396274 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.54269E-6 b | 0.0072744 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.11824E-6 b | 0.00891348 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 62-Sm-148 | 62-Sm-149 | 62-Sm-150 >> |
| << 62-Sm-148 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



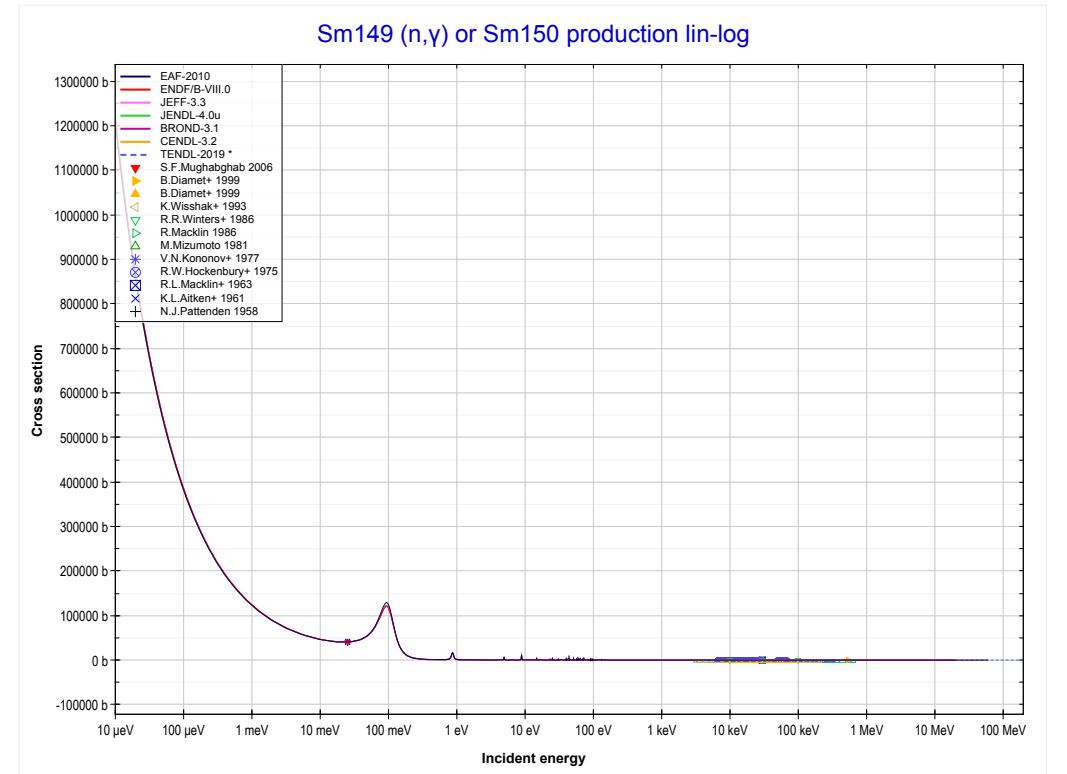
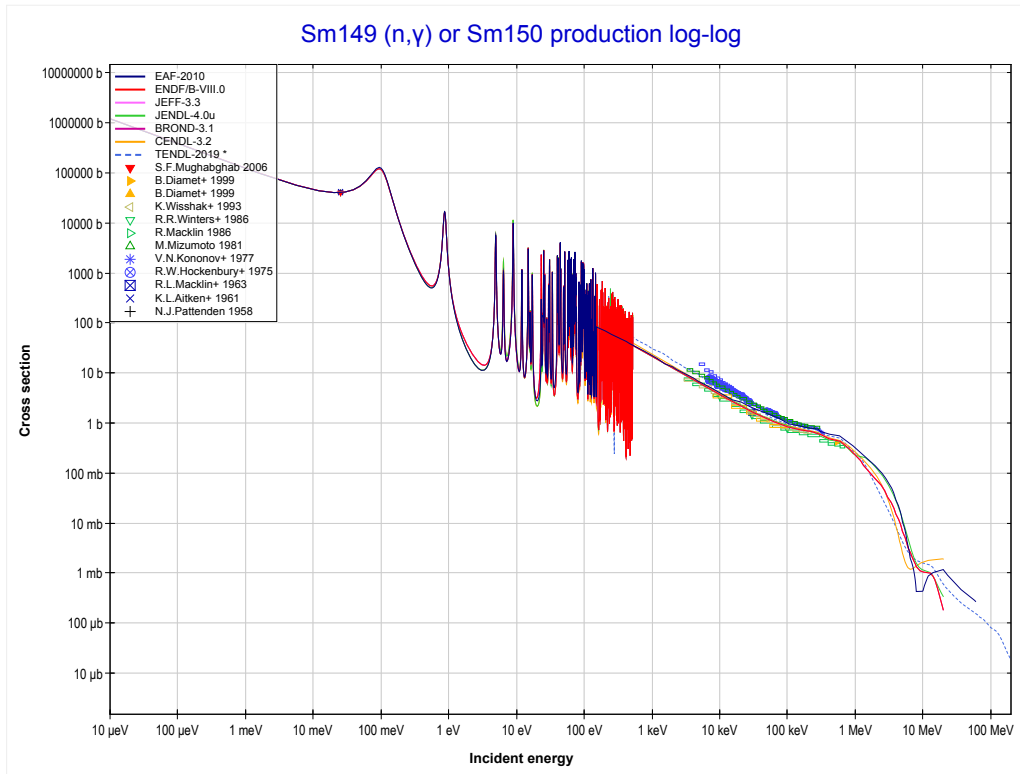
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 40697.5 b | 40697.5 b | 68319 b | 1.67872 | 3986.99 b | 6.9162 b | 5.05205 b |
| JEFF-3.3 | 40697.5 b | 40697.5 b | 68319 b | 1.67872 | 3986.99 b | 6.9162 b | 5.05205 b |
| JENDL-4.0u | 40716.7 b | 40716.7 b | 68754 b | 1.68861 | 4079.92 b | 6.77429 b | 5.20004 b |
| BROND-3.1 | 40697.5 b | 40697.5 b | 68319 b | 1.67872 | 3986.99 b | 6.9162 b | 5.05205 b |
| CENDL-3.2 | 40704.3 b | 40704.3 b | 68741 b | 1.68879 | 4070.47 b | 6.97434 b | 5.1804 b |
| TENDL-2019 | 40692.8 b | 40692.8 b | 68313 b | 1.67874 | 4051.34 b | 6.58343 b | 4.9721 b |

| | | |
|------------------|------------------------|-------------------------|
| << 62-Sm-147 | 62-Sm-149 | 62-Sm-150 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



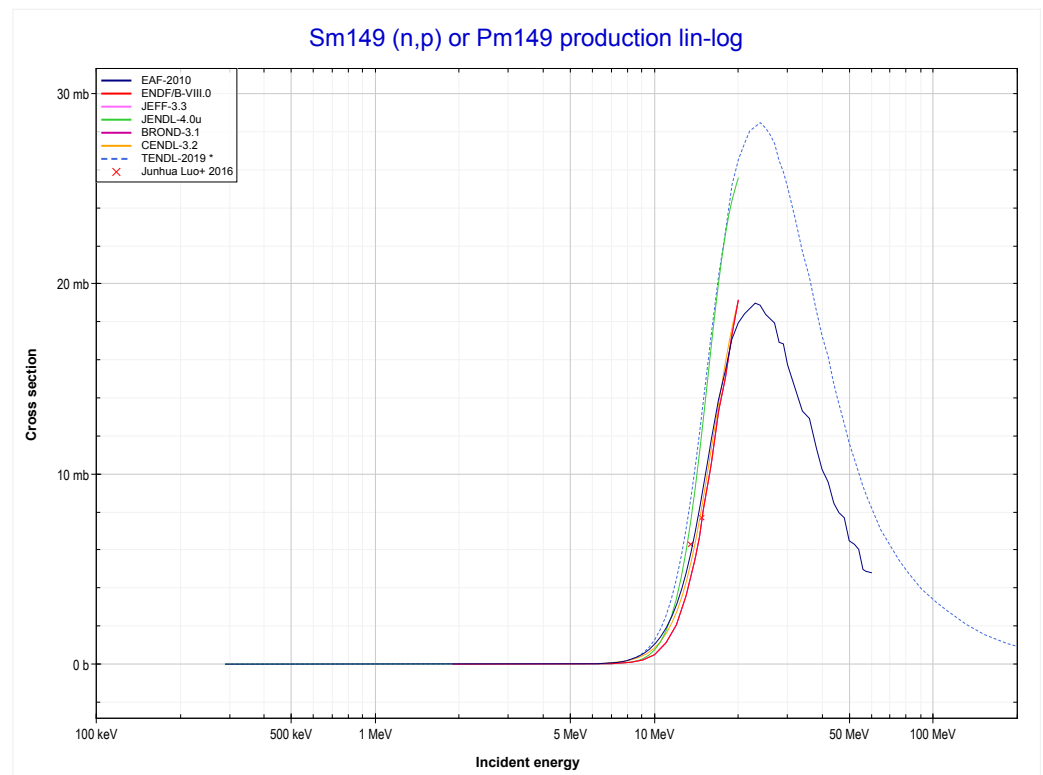
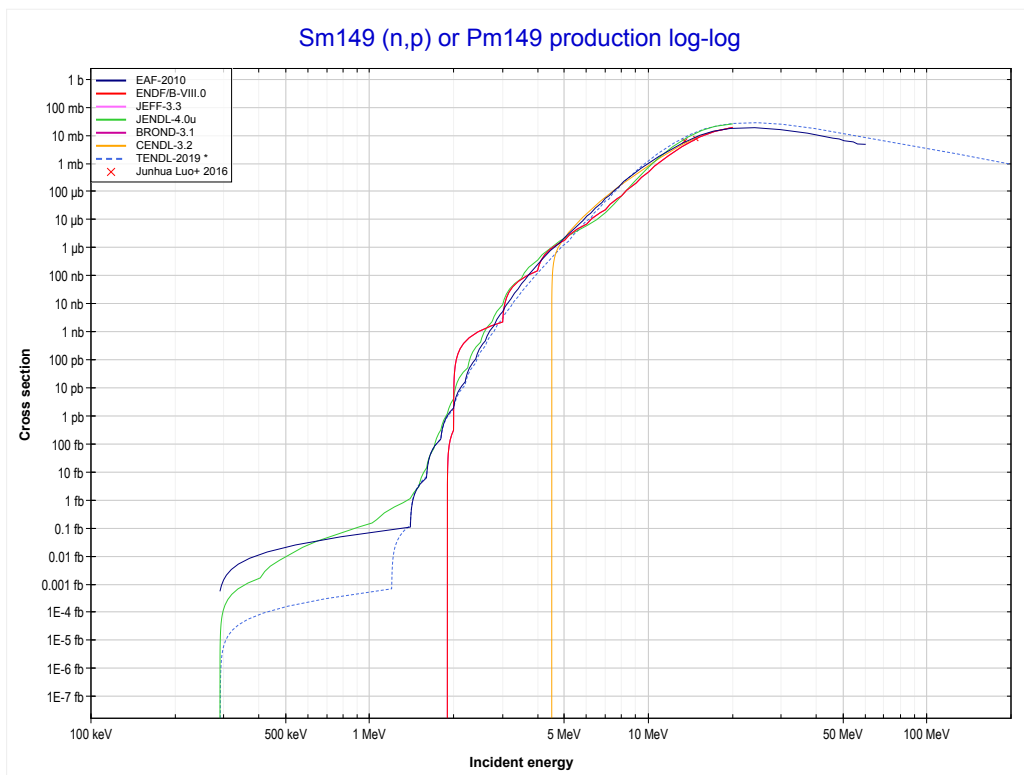
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 185.693 b | 185.693 b | 425.8 b | 2.29302 | 553.276 b | 4.56479 b | 2.81311 b |
| JEFF-3.3 | 185.693 b | 185.693 b | 425.8 b | 2.29302 | 553.276 b | 4.56479 b | 2.81311 b |
| JENDL-4.0u | 178.783 b | 178.783 b | 424.25 b | 2.37298 | 562.366 b | 4.26688 b | 2.92999 b |
| BROND-3.1 | 185.693 b | 185.693 b | 425.8 b | 2.29302 | 553.276 b | 4.56479 b | 2.81311 b |
| CENDL-3.2 | 178.747 b | 178.747 b | 424.2 b | 2.37318 | 578.202 b | 4.53717 b | 2.8688 b |
| TENDL-2019 | 184.301 b | 184.301 b | 424.6 b | 2.30385 | 575.988 b | 4.17645 b | 2.785 b |

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|--------------------|--|----------------|
| << 62-Sm-148 | 62-Sm-149 | 62-Sm-150 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sm150 production) | MT103 (n,p) >> |



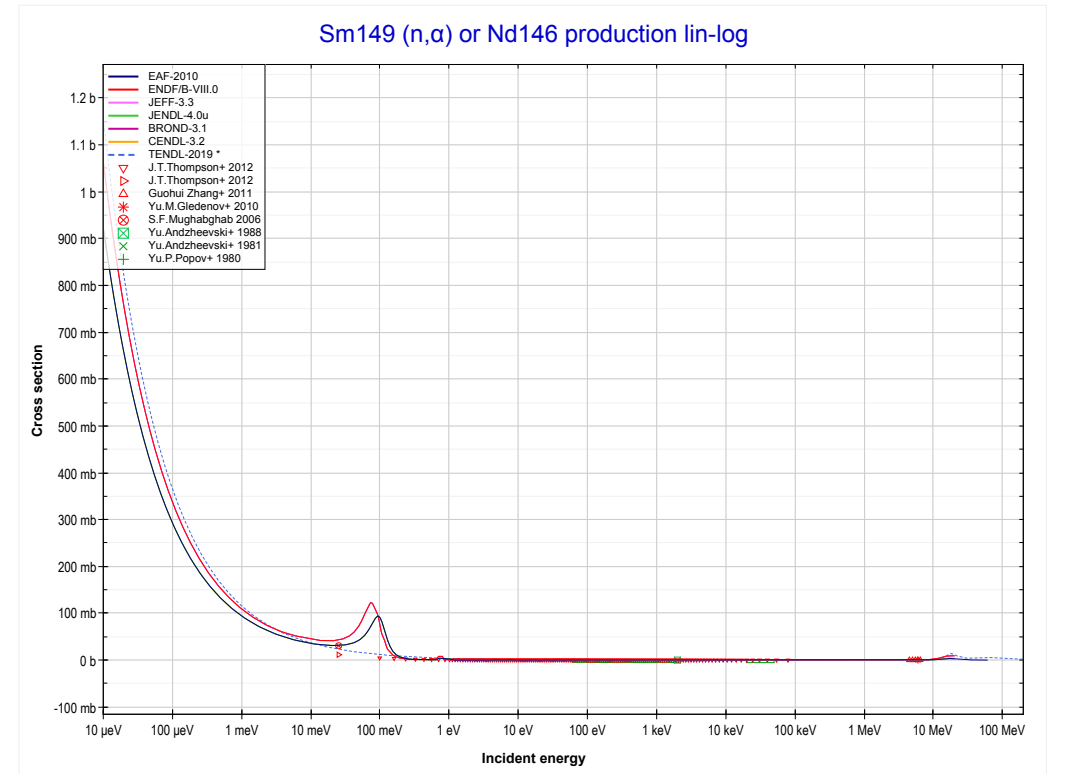
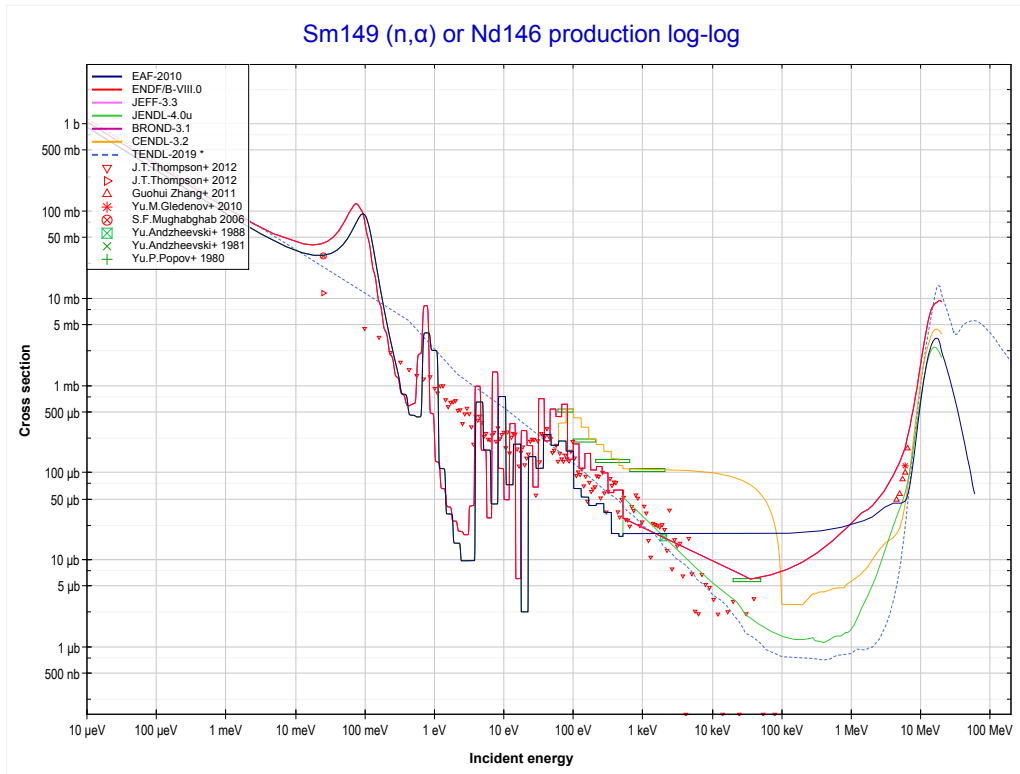
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 40479.9 b | 40485.6 b | 69533 b | 1.71901 | 3483.71 b | 0.275854 b | 0.001016 b |
| ENDF/B-VIII.0 | 40511.7 b | 40511.7 b | 67894 b | 1.6759 | 3432.99 b | 0.205409 b | 8.80535E-4 b |
| JEFF-3.3 | 40511.7 b | 40511.7 b | 67894 b | 1.6759 | 3432.99 b | 0.205409 b | 8.80535E-4 b |
| JENDL-4.0u | 40537.9 b | 40537.9 b | 68330 b | 1.68559 | 3516.49 b | 0.226753 b | 8.81941E-4 b |
| BROND-3.1 | 40511.7 b | 40511.7 b | 67894 b | 1.6759 | 3432.99 b | 0.205409 b | 8.80535E-4 b |
| CENDL-3.2 | 40525.5 b | 40525.5 b | 68317 b | 1.68577 | 3491.7 b | 0.222875 b | 0.0018283 b |
| TENDL-2019 | 40508.5 b | 40508.5 b | 67888 b | 1.67589 | 3474.23 b | 0.220794 b | 0.0013046 b |

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|-------------------------|--|-------------------------|
| << 62-Sm-148 | 62-Sm-149 | 62-Sm-150 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm149 production) | MT107 (n, α) >> |



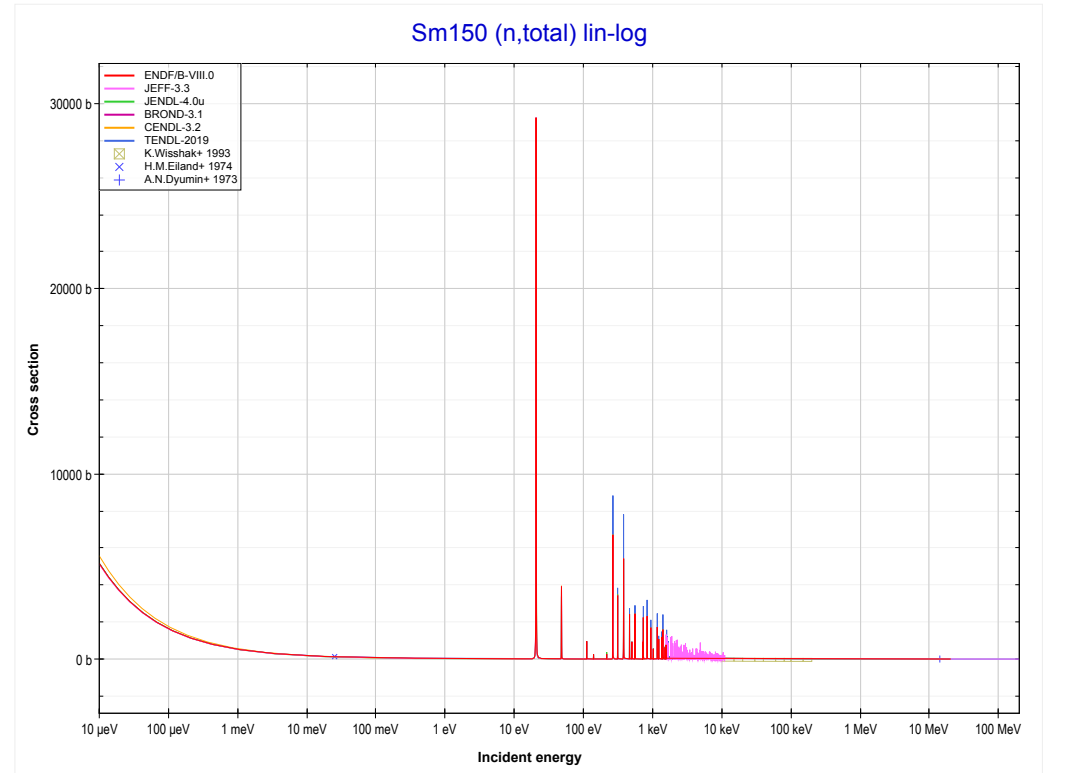
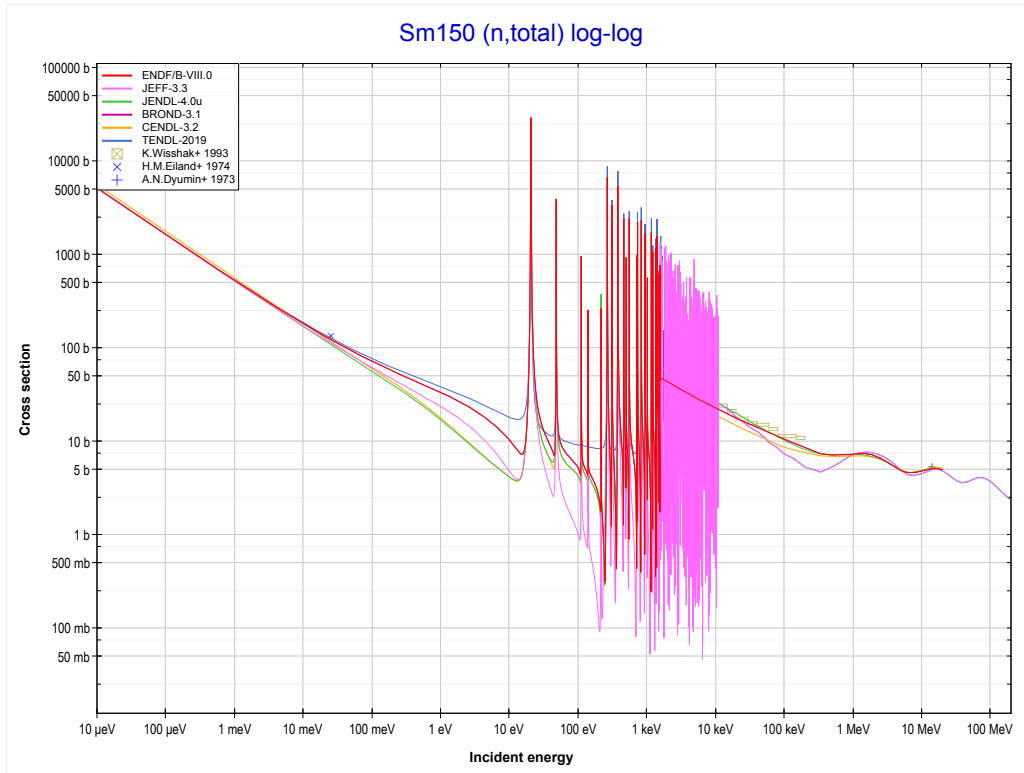
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.37359E-6 b | 0.00690651 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.58275E-6 b | 0.00551681 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.58275E-6 b | 0.00551681 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.95064E-6 b | 0.00918097 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.58275E-6 b | 0.00551681 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.48261E-6 b | 0.006337 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14846E-5 b | 0.0103102 b |

| | | |
|----------------|--|----------------------------|
| << 62-Sm-147 | 62-Sm-149 | 62-Sm-150 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Nd146 production) | 62-Sm-150 MT1 (n,total) >> |



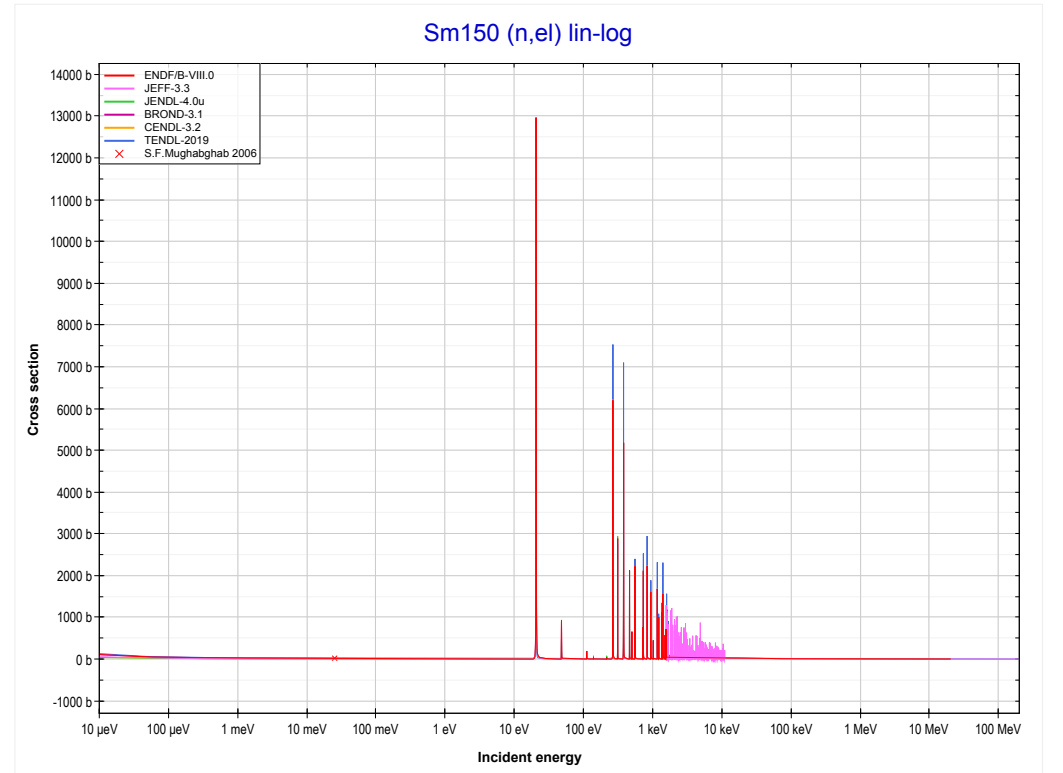
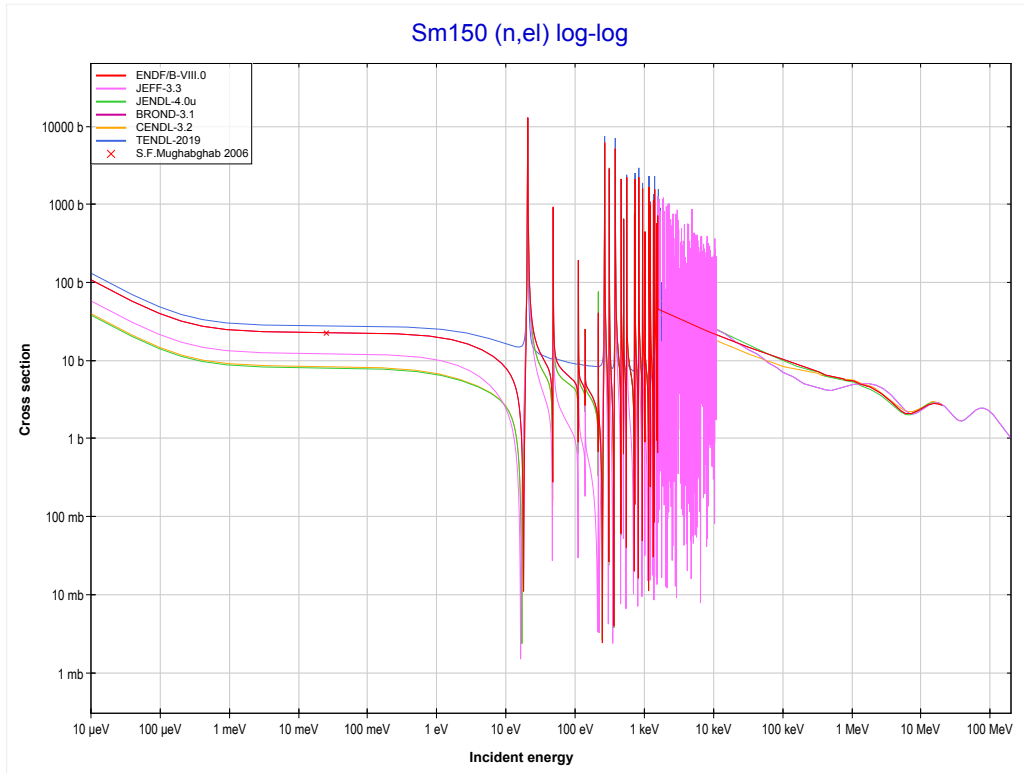
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0311833 b | 0.0311872 b | 0.052442 b | 1.68299 | 0.00275845 b | 3.55437E-5 b | 0.00280056 b |
| ENDF/B-VIII.0 | 0.0429845 b | 0.0429845 b | 0.073362 b | 1.70672 | 0.00375714 b | 6.21692E-5 b | 0.00718193 b |
| JEFF-3.3 | 0.0429845 b | 0.0429845 b | 0.073362 b | 1.70672 | 0.00375714 b | 6.21692E-5 b | 0.00718193 b |
| JENDL-4.0u | 0.031167 b | 0.031167 b | 0.052418 b | 1.68185 | 0.00272104 b | 1.45342E-5 b | 0.00248495 b |
| BROND-3.1 | 0.0429845 b | 0.0429845 b | 0.073362 b | 1.70672 | 0.00375714 b | 6.21692E-5 b | 0.00718193 b |
| CENDL-3.2 | 0.031167 b | 0.031167 b | 0.052407 b | 1.6815 | 0.00358565 b | 1.94187E-5 b | 0.0036427 b |
| TENDL-2019 | 0.0230394 b | 0.0230394 b | 0.023025 b | 0.99938 | 0.00622346 b | 1.08603E-5 b | 0.00581383 b |

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|-----------------------------------|----------------------|--------------------|
| << 62-Sm-149 | 62-Sm-150 | 62-Sm-151 >> |
| << 62-Sm-149 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



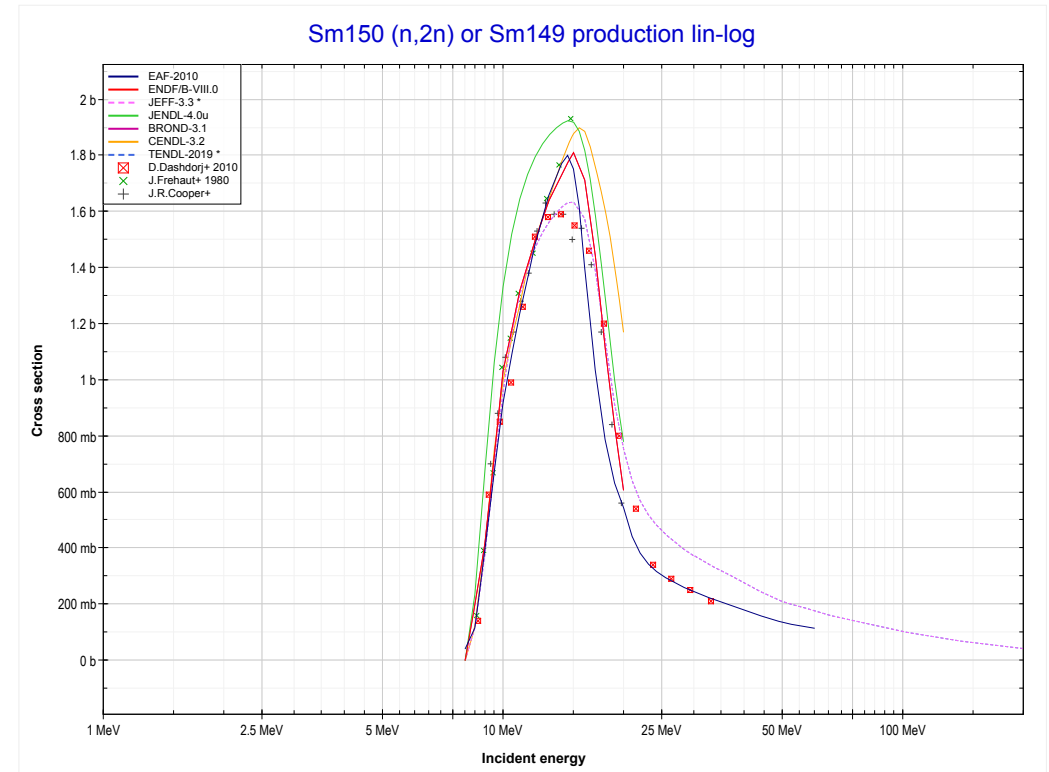
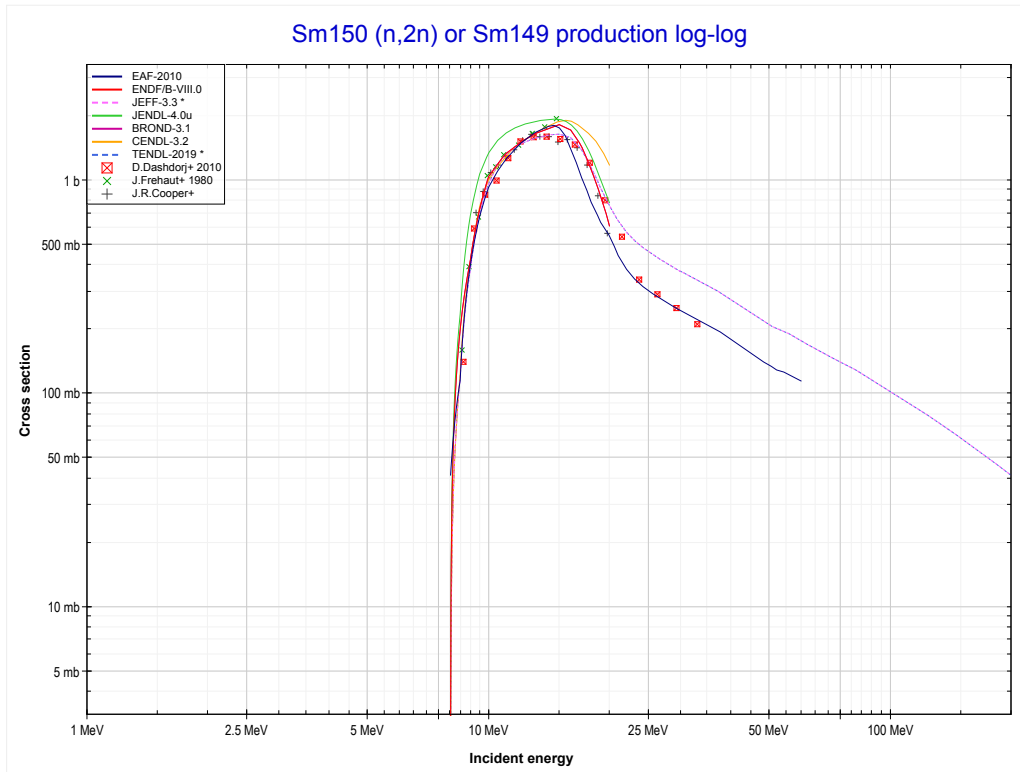
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 122.812 b | 122.812 b | 125.48 b | 1.02169 | 865.094 b | 6.93432 b | 5.14325 b |
| JEFF-3.3 | 112.374 b | 112.374 b | 113.7 b | 1.01177 | 848.502 b | 6.63976 b | 4.98652 b |
| JENDL-4.0u | 108.918 b | 108.918 b | 109.32 b | 1.00373 | 835.349 b | 6.84712 b | 5.21709 b |
| BROND-3.1 | 122.812 b | 122.812 b | 125.48 b | 1.02169 | 865.094 b | 6.93432 b | 5.14325 b |
| CENDL-3.2 | 116.934 b | 116.934 b | 117.26 b | 1.00281 | 799.16 b | 6.6437 b | 5.3449 b |
| TENDL-2019 | 127.422 b | 127.422 b | 130.68 b | 1.02558 | 864.32 b | 6.63661 b | 4.98652 b |

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|------------------|------------------------|----------------|
| << 62-Sm-149 | 62-Sm-150 | 62-Sm-151 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



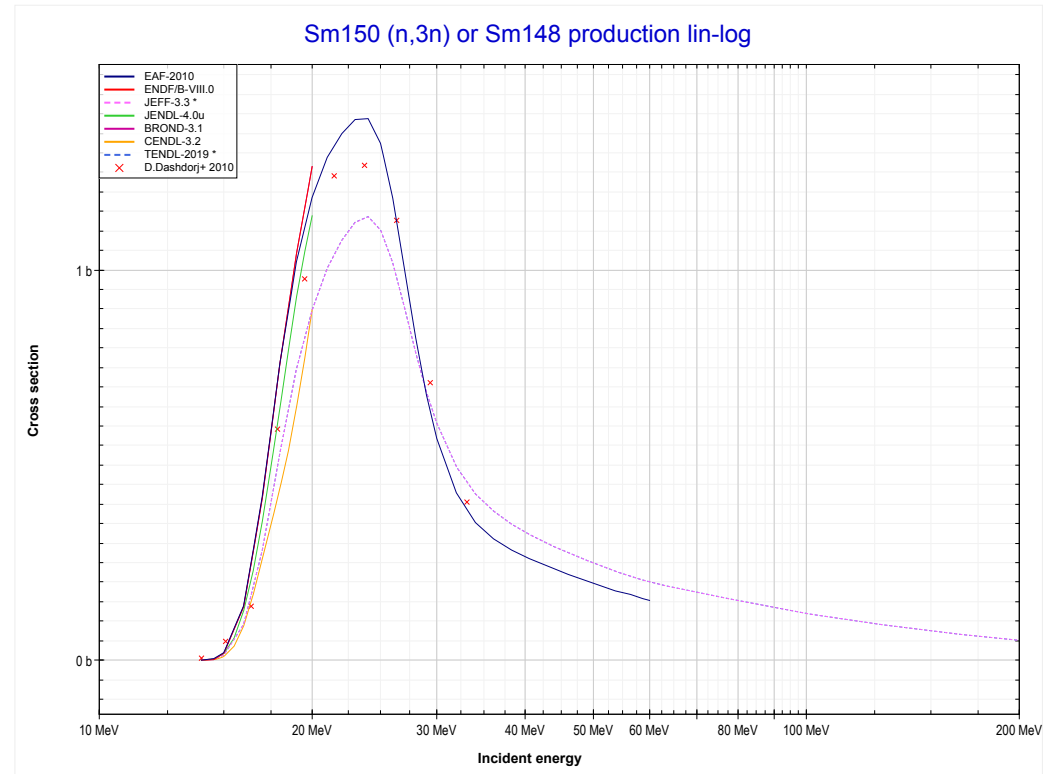
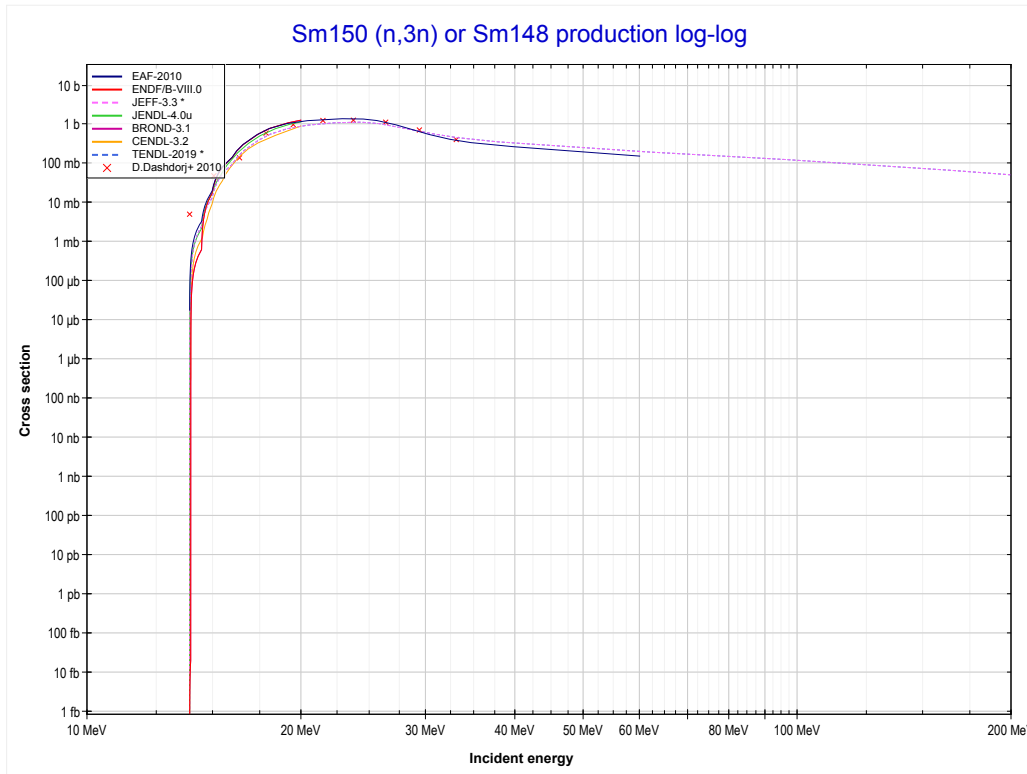
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.7996 b | 22.7996 b | 25.639 b | 1.12454 | 532.342 b | 4.86412 b | 2.78623 b |
| JEFF-3.3 | 12.2318 b | 12.2318 b | 13.738 b | 1.12314 | 515.176 b | 4.55029 b | 2.79648 b |
| JENDL-4.0u | 8.02834 b | 8.02834 b | 9.0073 b | 1.12194 | 504.781 b | 4.67665 b | 2.87758 b |
| BROND-3.1 | 22.7996 b | 22.7996 b | 25.639 b | 1.12454 | 532.342 b | 4.86412 b | 2.78623 b |
| CENDL-3.2 | 8.3683 b | 8.3683 b | 9.3862 b | 1.12163 | 474.999 b | 4.84764 b | 2.95905 b |
| TENDL-2019 | 27.7633 b | 27.7633 b | 31.257 b | 1.12584 | 479.577 b | 4.54742 b | 2.79648 b |

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|--------------------|--|----------------|
| << 62-Sm-148 | 62-Sm-150 | 62-Sm-152 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sm149 production) | MT17 (n,3n) >> |



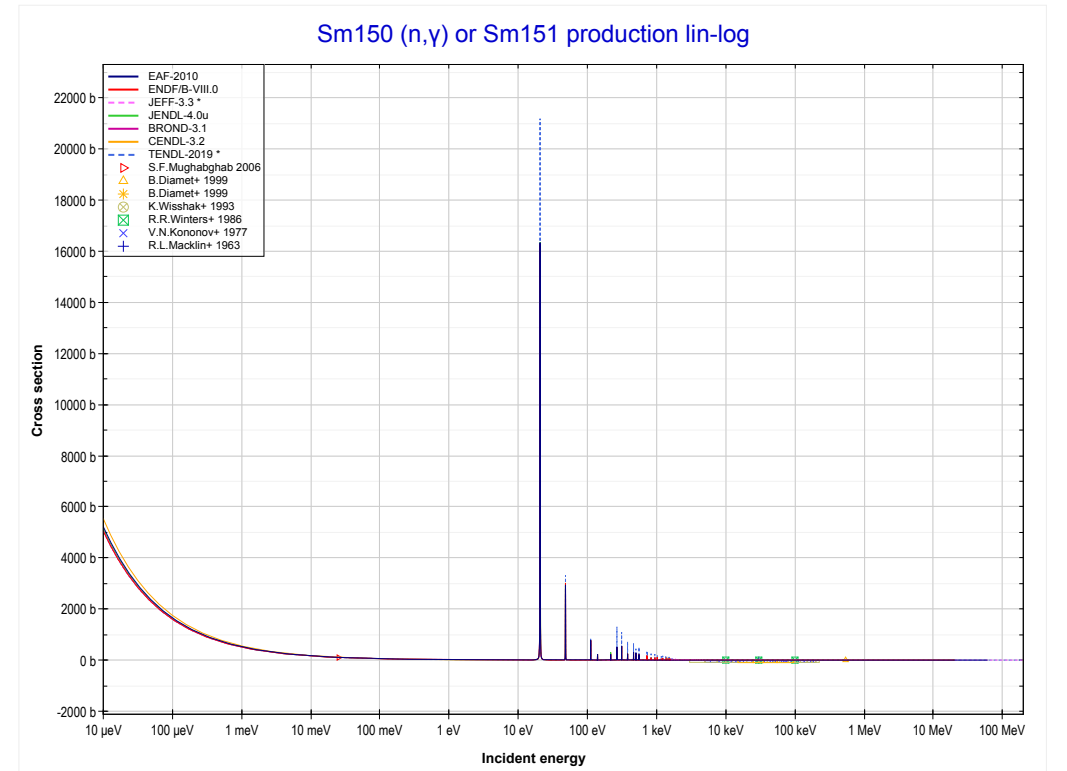
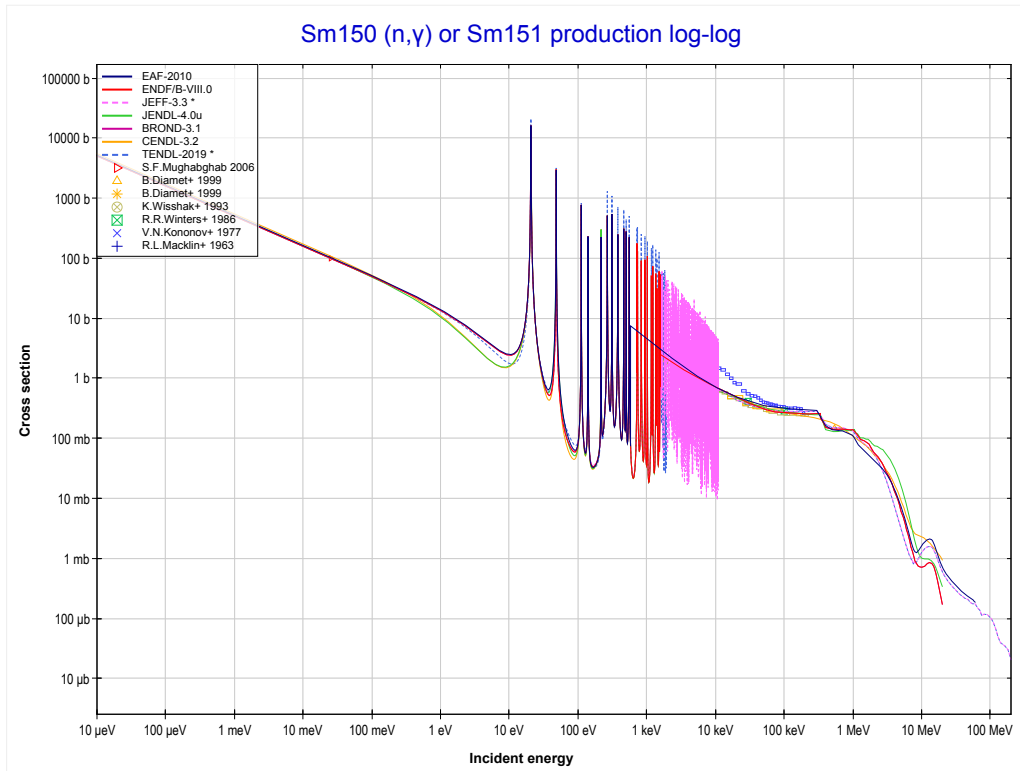
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00427673 b | 1.77 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0046874 b | 1.73011 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00433468 b | 1.61446 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00615388 b | 1.91298 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0046874 b | 1.73011 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00451738 b | 1.7767 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00434456 b | 1.61511 b |

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|----------------|--|-------------------------|
| << 60-Nd-150 | 62-Sm-150 | 62-Sm-152 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Sm148 production) | MT102 (n, γ) >> |



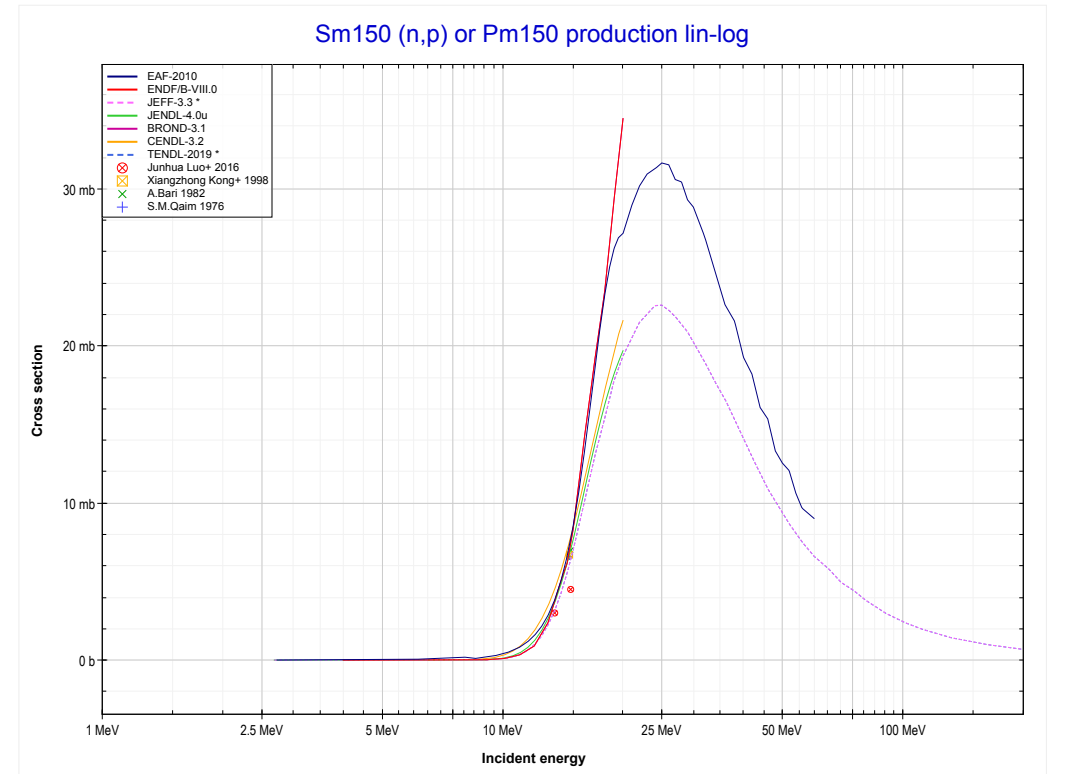
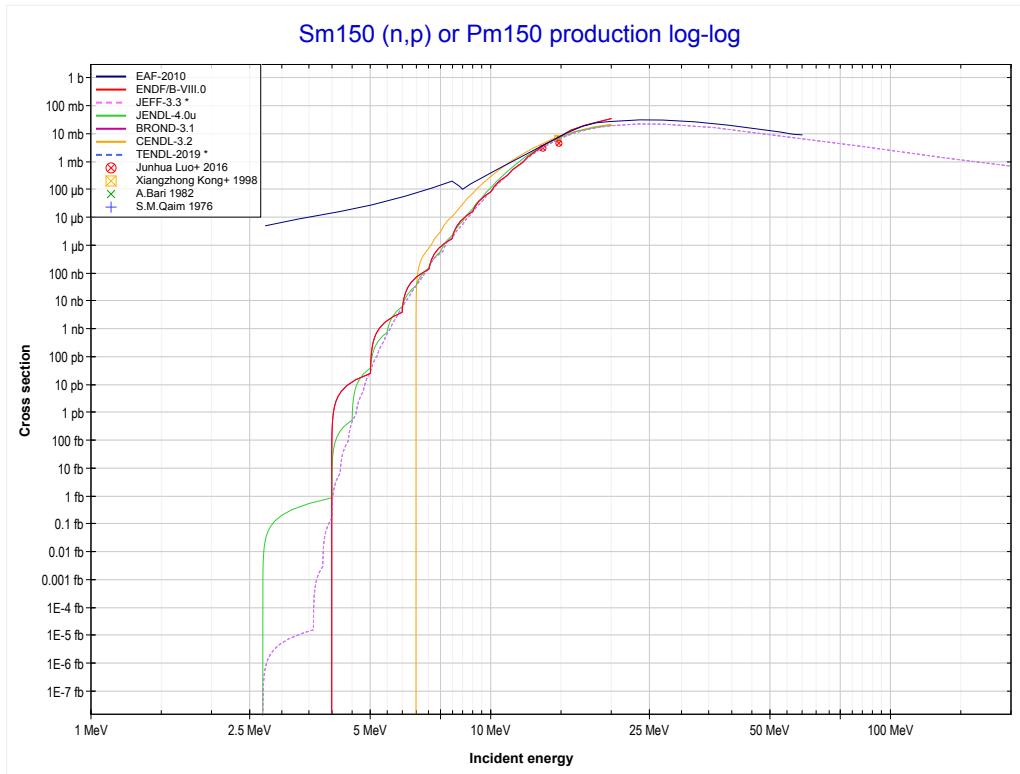
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54119E-5 b | 3.10247E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5251E-5 b | 1.99397E-14 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06257E-5 b | 5.99033E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.31563E-5 b | 1.90018E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5251E-5 b | 1.994E-14 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.14797E-6 b | 3.4058E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06466E-5 b | 5.97795E-5 b |

| | | |
|----------------|--|----------------|
| << 62-Sm-149 | 62-Sm-150 | 62-Sm-151 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (Sm151 production) | MT103 (n,p) >> |



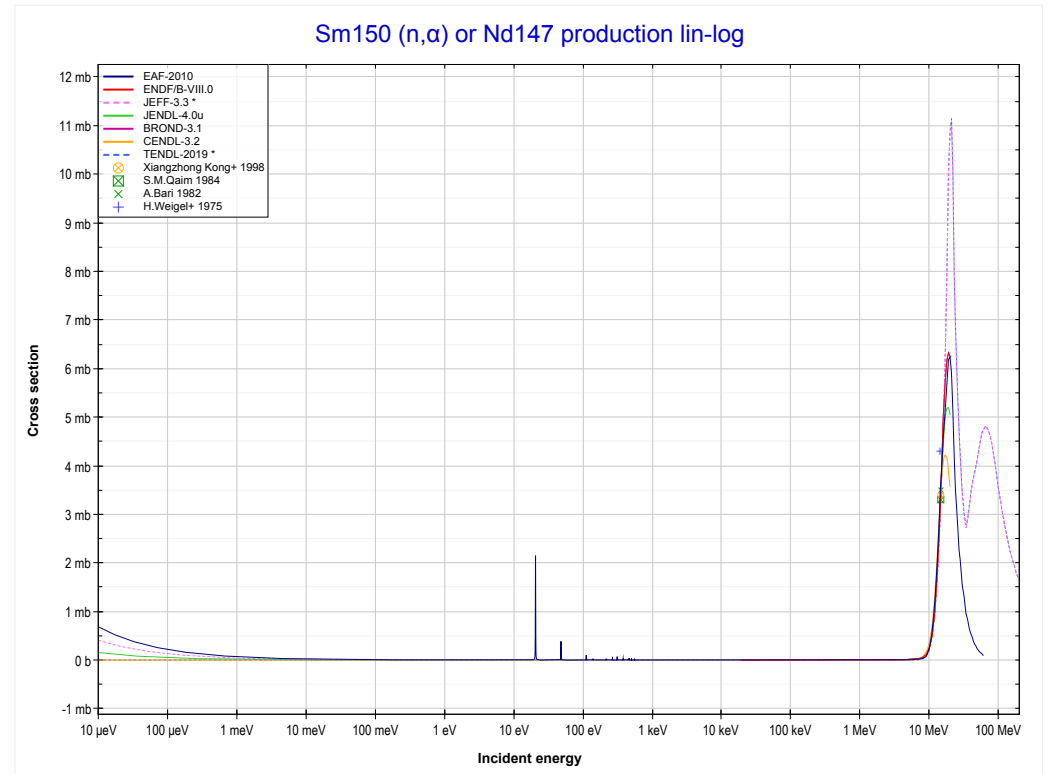
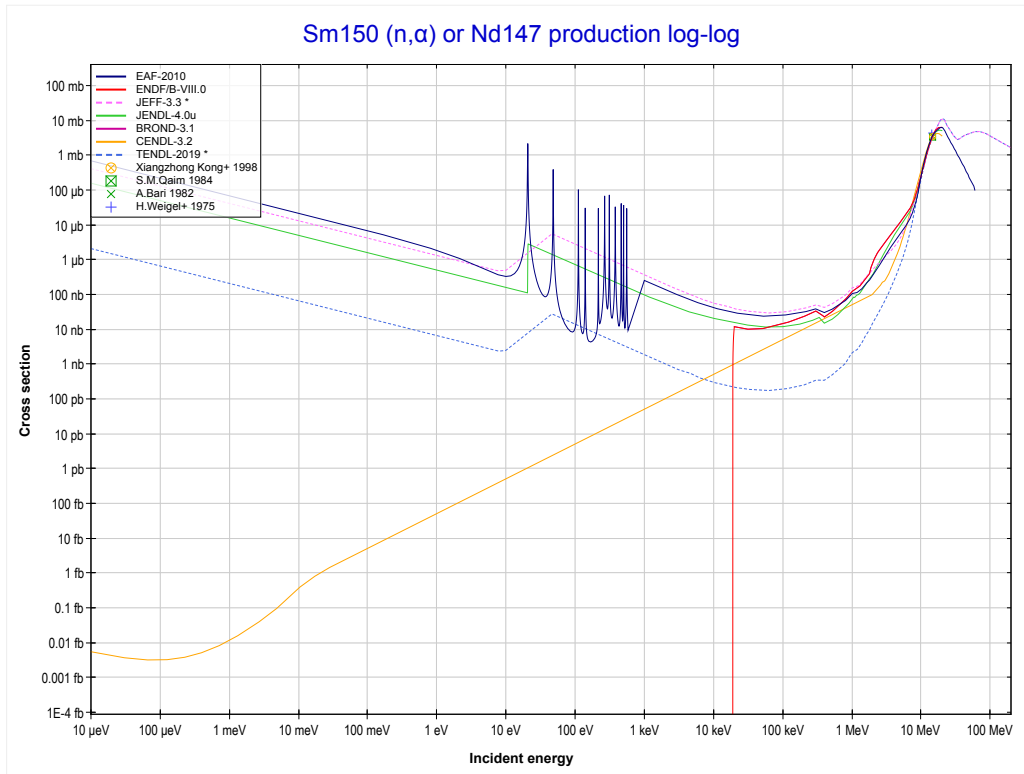
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 103.423 b | 103.345 b | 103.1 b | 0.99767 | 340.929 b | 0.0853148 b | 0.00204816 b |
| ENDF/B-VIII.0 | 100.013 b | 100.013 b | 99.837 b | 0.99824 | 332.752 b | 0.0940571 b | 8.3085E-4 b |
| JEFF-3.3 | 100.142 b | 100.142 b | 99.959 b | 0.99817 | 333.325 b | 0.093074 b | 0.00155176 b |
| JENDL-4.0u | 100.889 b | 100.889 b | 100.32 b | 0.99432 | 330.568 b | 0.102642 b | 9.06823E-4 b |
| BROND-3.1 | 100.013 b | 100.013 b | 99.837 b | 0.99824 | 332.752 b | 0.0940571 b | 8.3085E-4 b |
| CENDL-3.2 | 108.566 b | 108.566 b | 107.88 b | 0.99366 | 324.169 b | 0.0912219 b | 0.0016686 b |
| TENDL-2019 | 99.6584 b | 99.6584 b | 99.424 b | 0.99765 | 384.75 b | 0.0917227 b | 0.00155036 b |

| | | |
|-------------------------|--|-------------------------|
| << 62-Sm-149 | 62-Sm-150 | 62-Sm-152 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm150 production) | MT107 (n, α) >> |



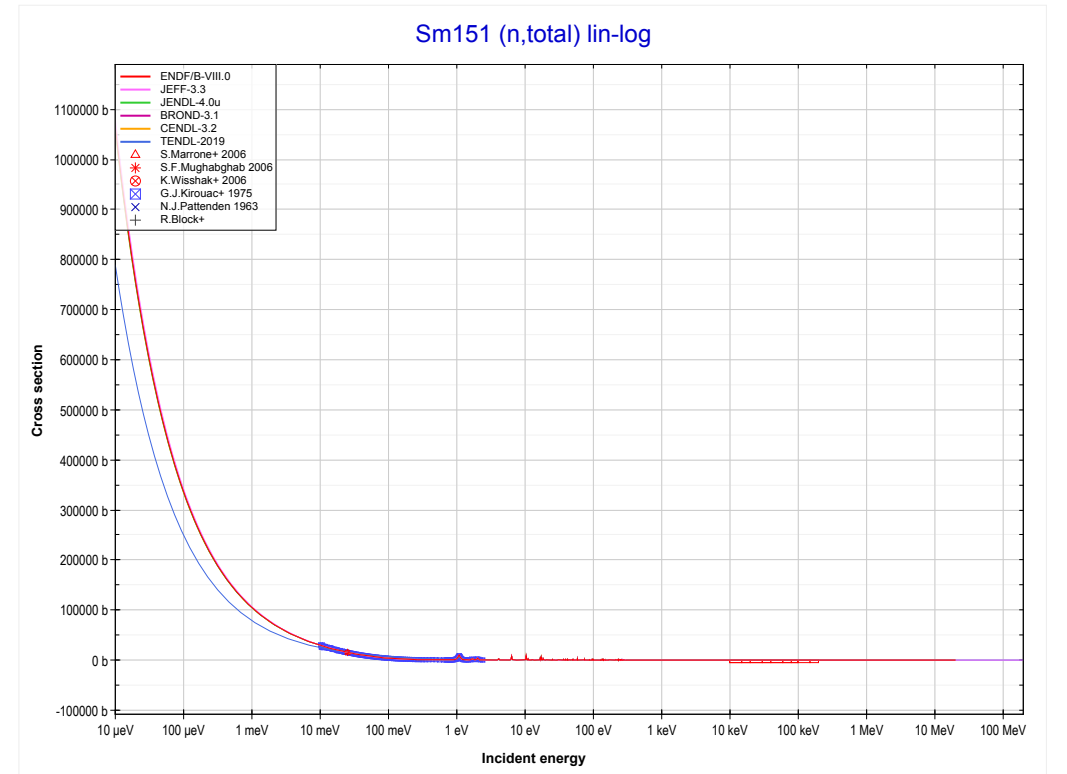
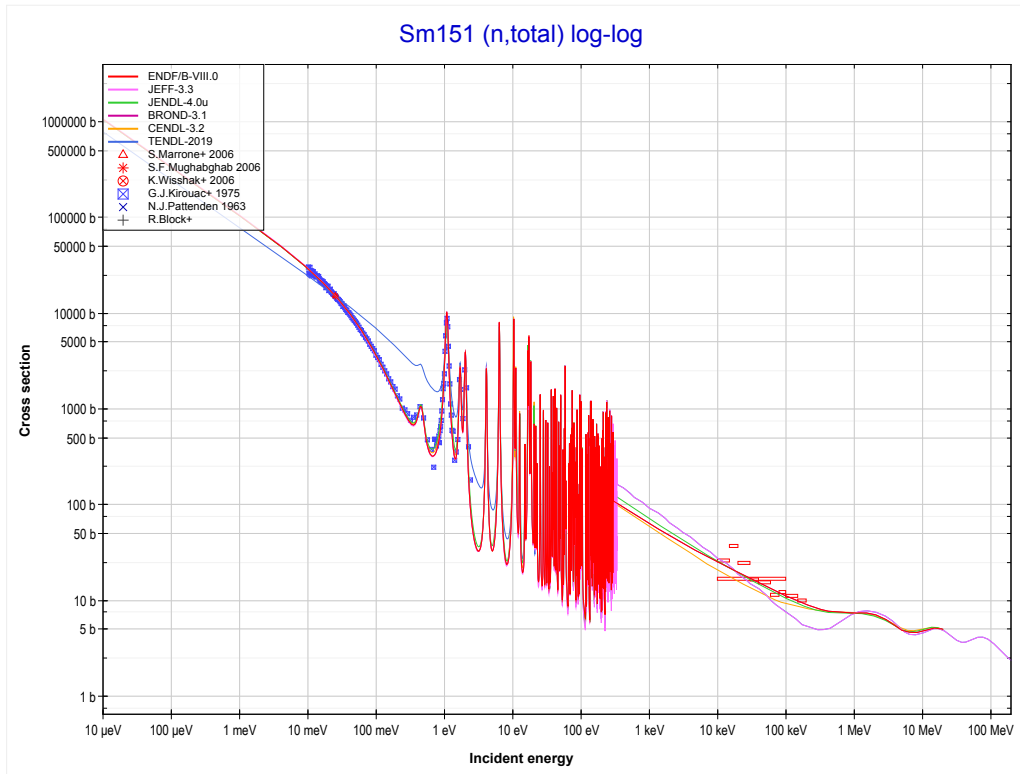
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.67424E-6 b | 0.0050604 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.65371E-6 b | 0.00506267 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24022E-6 b | 0.00426162 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.63613E-6 b | 0.00482359 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.65371E-6 b | 0.00506267 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.83763E-6 b | 0.0056948 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.24007E-6 b | 0.00426153 b |

| | | |
|----------------|--|----------------------------|
| << 62-Sm-149 | 62-Sm-150 | 62-Sm-152 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Nd147 production) | 62-Sm-151 MT1 (n,total) >> |



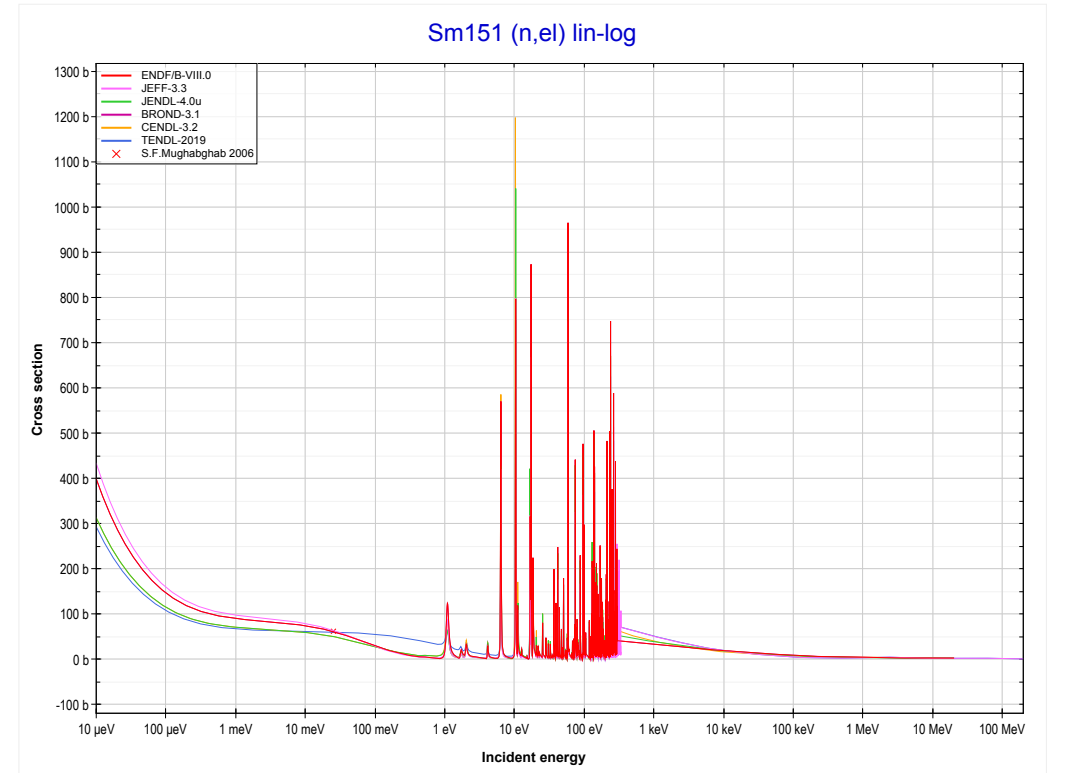
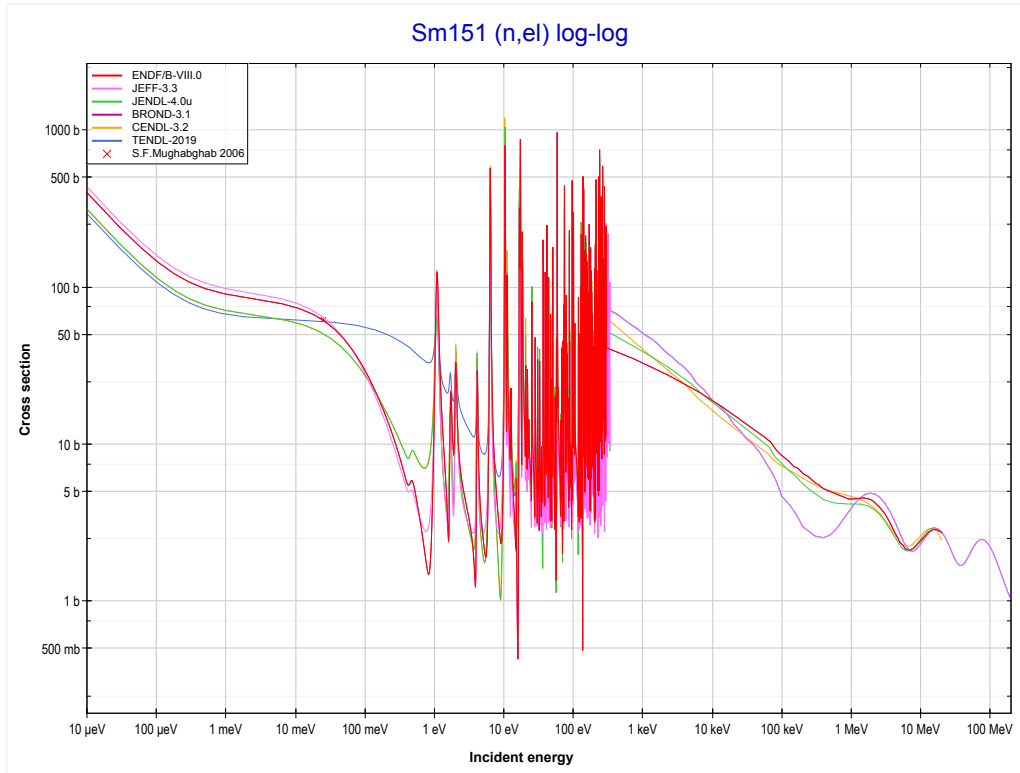
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.36E-5 b | 1.35897E-5 b | 1.3558E-5 b | 0.99767 | 4.40353E-5 b | 3.55208E-6 b | 0.00294144 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.83172E-8 b | 4.88714E-6 b | 0.00268166 b |
| JEFF-3.3 | 8.12127E-6 b | 8.12127E-6 b | 8.1206E-6 b | 0.99992 | 1.23905E-5 b | 3.5081E-6 b | 0.0025482 b |
| JENDL-4.0u | 3.10223E-6 b | 3.10223E-6 b | 3.1036E-6 b | 1.00043 | 4.48546E-6 b | 4.15371E-6 b | 0.00275133 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.80171E-8 b | 4.88713E-6 b | 0.00268166 b |
| CENDL-3.2 | 1.2795E-15 b | 1.2795E-15 b | 2.8537E-15 b | 2.23033 | 5.00003E-9 b | 3.82665E-6 b | 0.0029567 b |
| TENDL-2019 | 4.11424E-8 b | 4.11424E-8 b | 4.1136E-8 b | 0.99985 | 6.22481E-8 b | 2.2659E-6 b | 0.00250337 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 62-Sm-150 | 62-Sm-151 | 62-Sm-152 >> |
| << 62-Sm-150 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



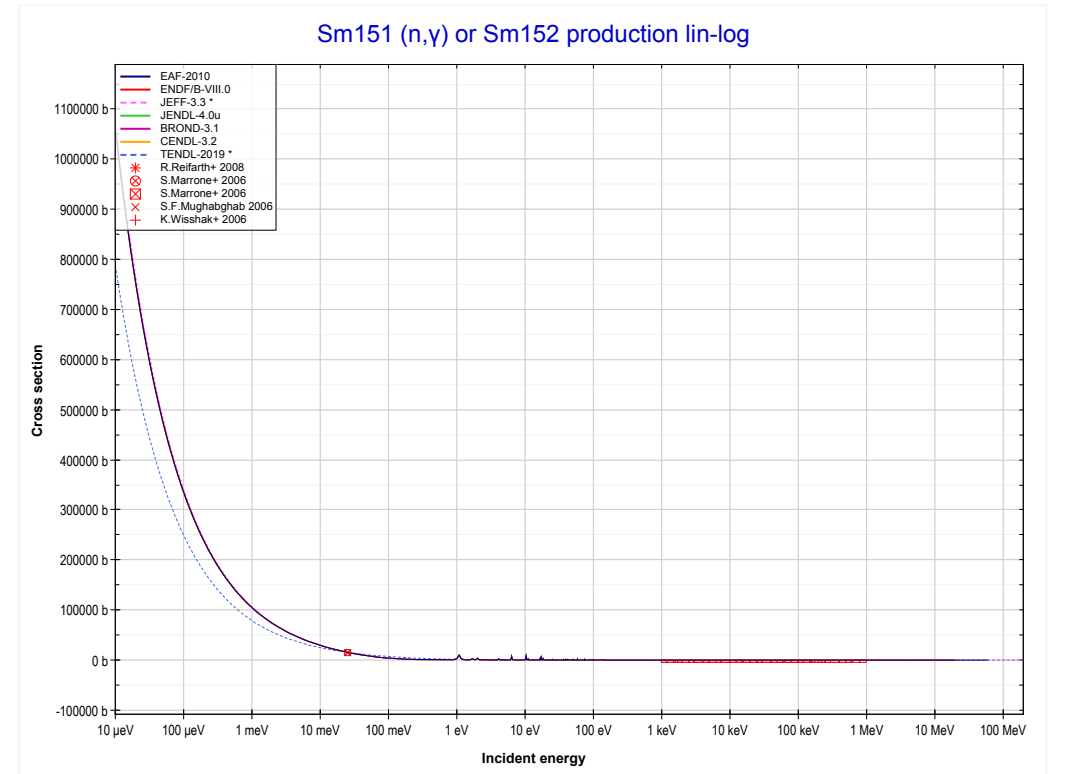
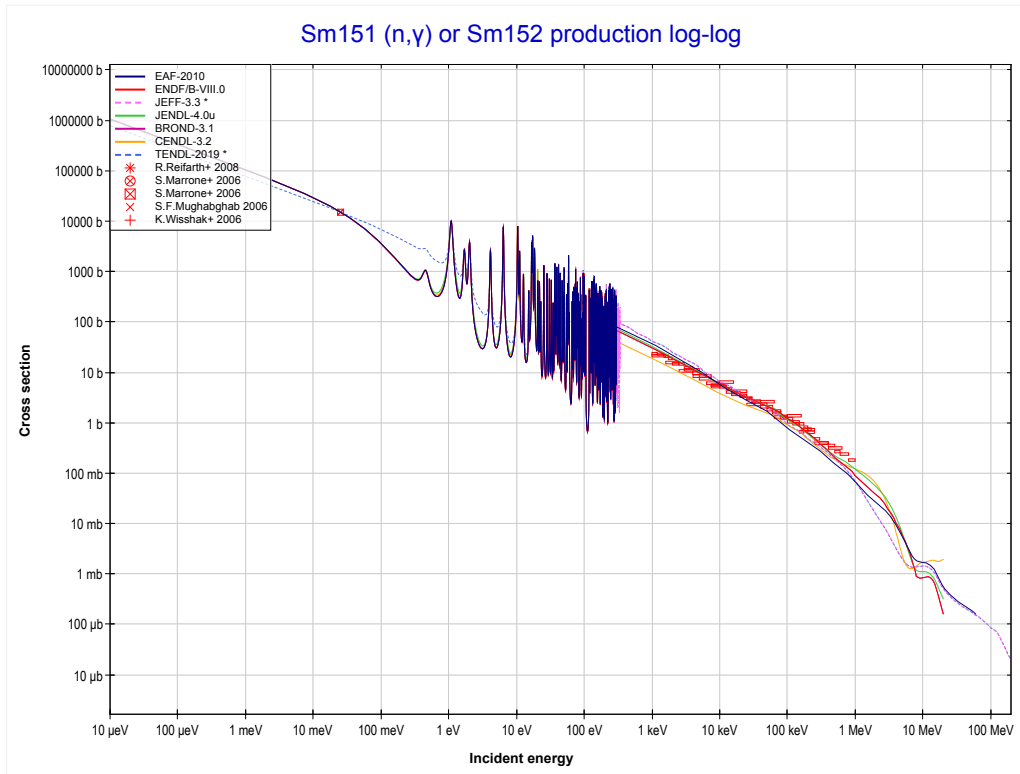
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15203.5 b | 15203.5 b | 14100 b | 0.9274 | 3764.27 b | 7.05898 b | 5.08993 b |
| JEFF-3.3 | 15197.3 b | 15197.3 b | 14092 b | 0.9273 | 3828.99 b | 6.6925 b | 5.00704 b |
| JENDL-4.0u | 15214.4 b | 15214.4 b | 14116 b | 0.92783 | 3774.25 b | 6.88592 b | 5.23477 b |
| BROND-3.1 | 15203.4 b | 15203.4 b | 14100 b | 0.9274 | 3764.27 b | 7.05898 b | 5.08993 b |
| CENDL-3.2 | 15174.3 b | 15174.3 b | 14071 b | 0.92727 | 3752.65 b | 6.96044 b | 5.2203 b |
| TENDL-2019 | 15193.7 b | 15193.7 b | 14965 b | 0.98492 | 5066.56 b | 6.69047 b | 5.00704 b |

| | | |
|------------------|------------------------|-------------------------|
| << 62-Sm-150 | 62-Sm-151 | 62-Sm-152 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



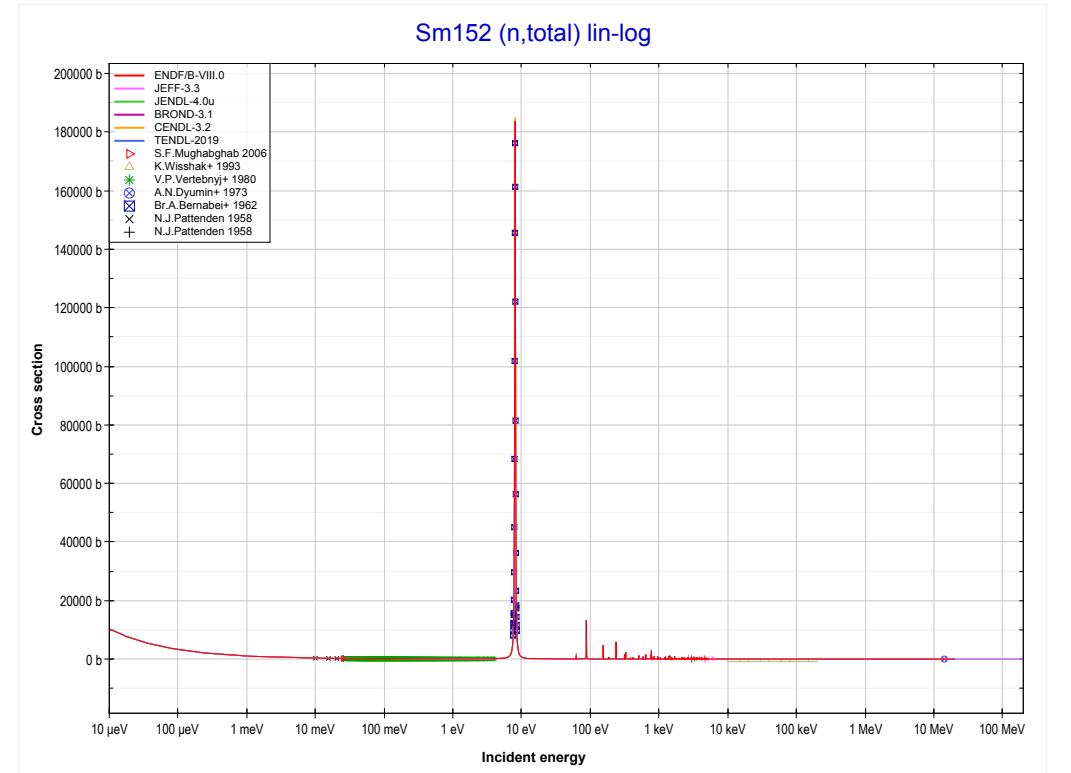
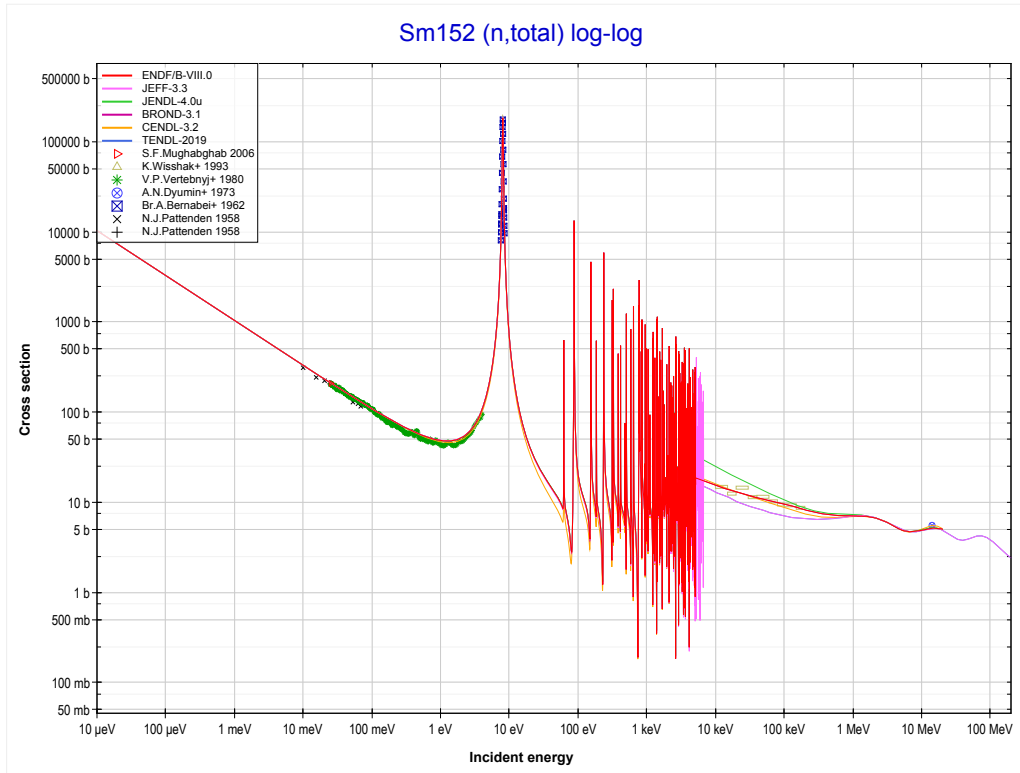
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 61.2828 b | 61.2828 b | 56.987 b | 0.92991 | 323.504 b | 4.35659 b | 2.81504 b |
| JEFF-3.3 | 63.9401 b | 63.9401 b | 58.513 b | 0.91512 | 328.69 b | 3.91278 b | 2.80784 b |
| JENDL-4.0u | 50.386 b | 50.386 b | 48.077 b | 0.95417 | 329.717 b | 3.92152 b | 2.90764 b |
| BROND-3.1 | 61.2828 b | 61.2828 b | 56.987 b | 0.92991 | 323.504 b | 4.35659 b | 2.81504 b |
| CENDL-3.2 | 50.3947 b | 50.3947 b | 48.086 b | 0.95419 | 343.829 b | 4.20337 b | 2.9016 b |
| TENDL-2019 | 60.3456 b | 60.3456 b | 66.345 b | 1.09942 | 368.531 b | 3.91262 b | 2.80784 b |

| | | |
|--------------------|--|----------------------------|
| << 62-Sm-150 | 62-Sm-151 | 62-Sm-152 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Sm152 production) | 62-Sm-152 MT1 (n,total) >> |



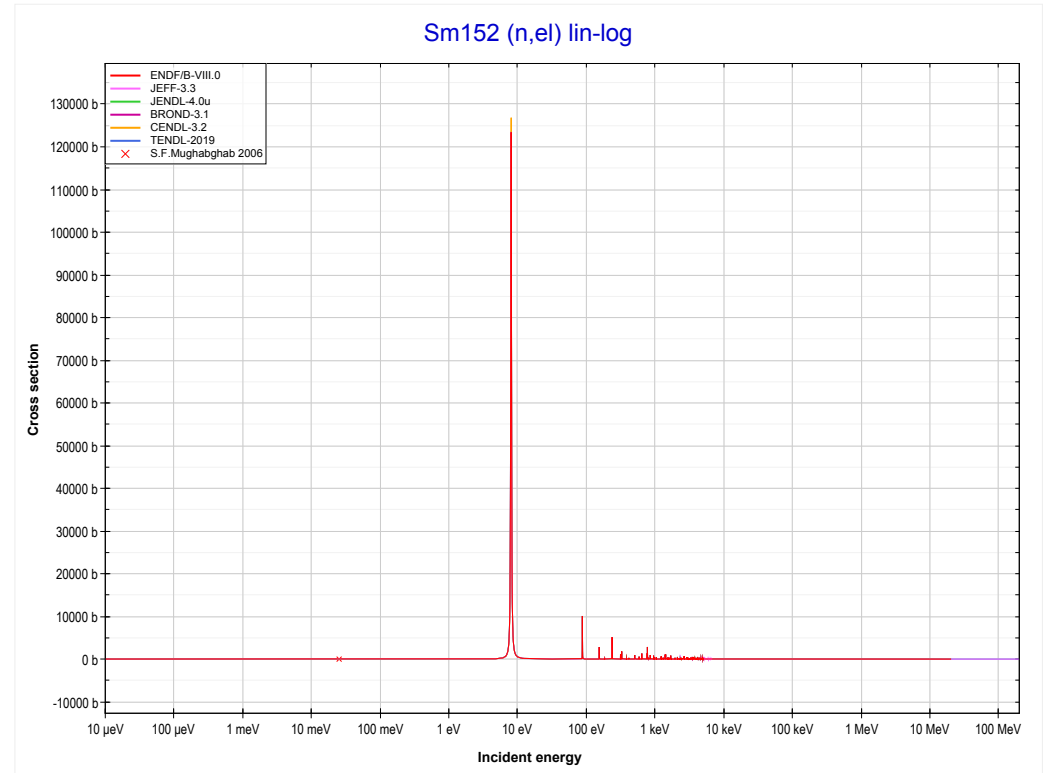
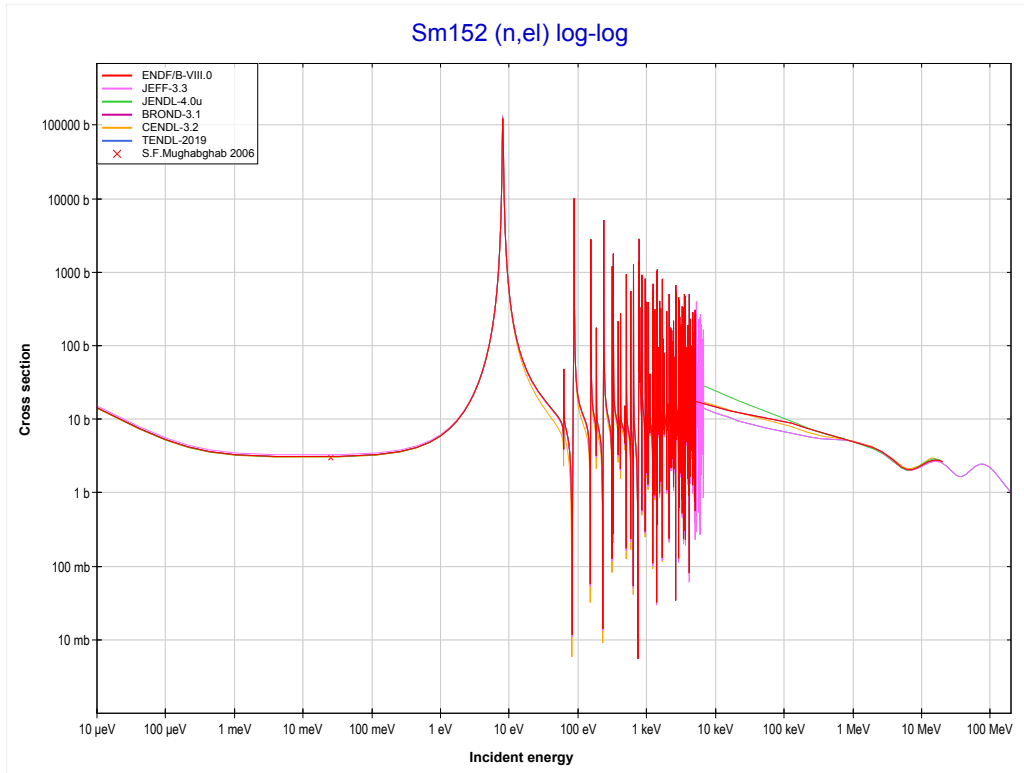
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15192.7 b | 15173.5 b | 14067 b | 0.92661 | 3472.1 b | 0.100535 b | 0.00133109 b |
| ENDF/B-VIII.0 | 15142.2 b | 15142.2 b | 14043 b | 0.92739 | 3439.18 b | 0.1376 b | 7.55575E-4 b |
| JEFF-3.3 | 15133.3 b | 15133.3 b | 14034 b | 0.92735 | 3496.01 b | 0.114257 b | 0.00115001 b |
| JENDL-4.0u | 15164 b | 15164 b | 14068 b | 0.92774 | 3441.19 b | 0.151029 b | 8.8054E-4 b |
| BROND-3.1 | 15142.2 b | 15142.2 b | 14043 b | 0.92739 | 3439.18 b | 0.1376 b | 7.55575E-4 b |
| CENDL-3.2 | 15123.9 b | 15123.9 b | 14022 b | 0.92717 | 3407.19 b | 0.12934 b | 0.0018827 b |
| TENDL-2019 | 15133.4 b | 15133.4 b | 14898 b | 0.98446 | 4693.74 b | 0.112432 b | 0.00114933 b |

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|-----------------------------------|----------------------|--------------------|
| << 62-Sm-151 | 62-Sm-152 | 62-Sm-153 >> |
| << 62-Sm-151 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



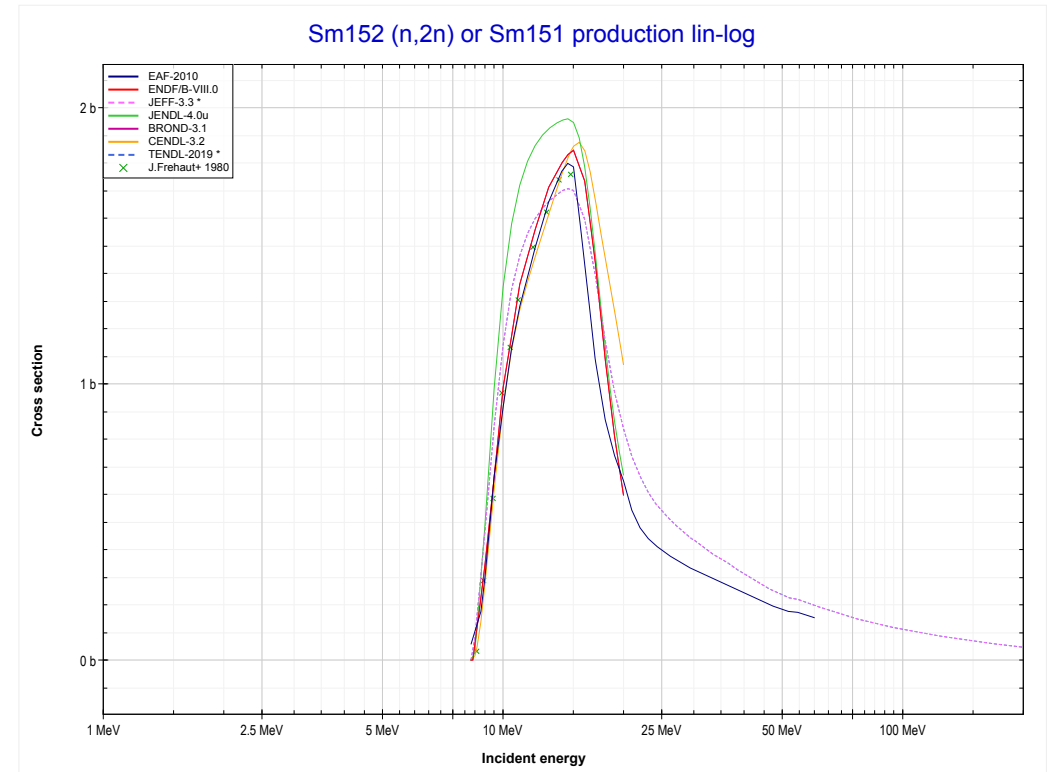
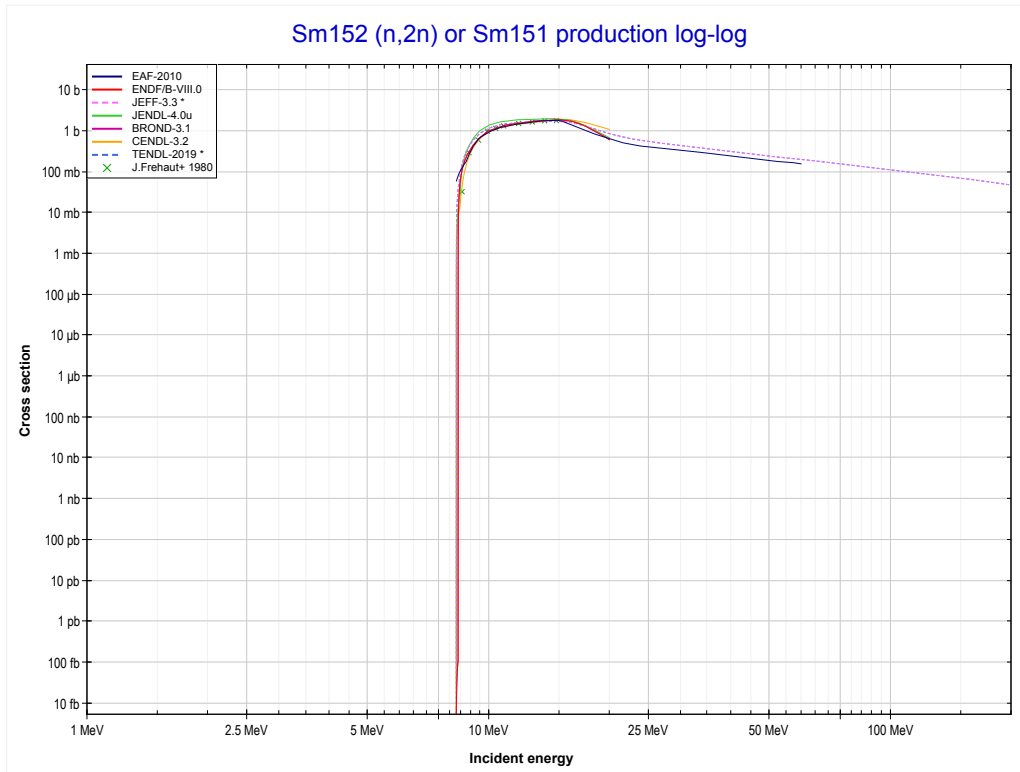
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 209.1 b | 209.1 b | 210.29 b | 1.00571 | 9046.6 b | 6.72367 b | 5.15555 b |
| JEFF-3.3 | 209.301 b | 209.301 b | 210.51 b | 1.00576 | 9041.07 b | 6.50594 b | 5.09838 b |
| JENDL-4.0u | 208.968 b | 208.968 b | 210.16 b | 1.0057 | 9065.53 b | 6.9023 b | 5.25187 b |
| BROND-3.1 | 209.1 b | 209.1 b | 210.29 b | 1.00571 | 9046.6 b | 6.72367 b | 5.15555 b |
| CENDL-3.2 | 209.691 b | 209.691 b | 210.69 b | 1.00478 | 8745.55 b | 6.58668 b | 5.5367 b |
| TENDL-2019 | 209.077 b | 209.077 b | 210.2 b | 1.00536 | 9034 b | 6.50669 b | 5.09838 b |

| | | |
|------------------|------------------------|----------------|
| << 62-Sm-151 | 62-Sm-152 | 62-Sm-154 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



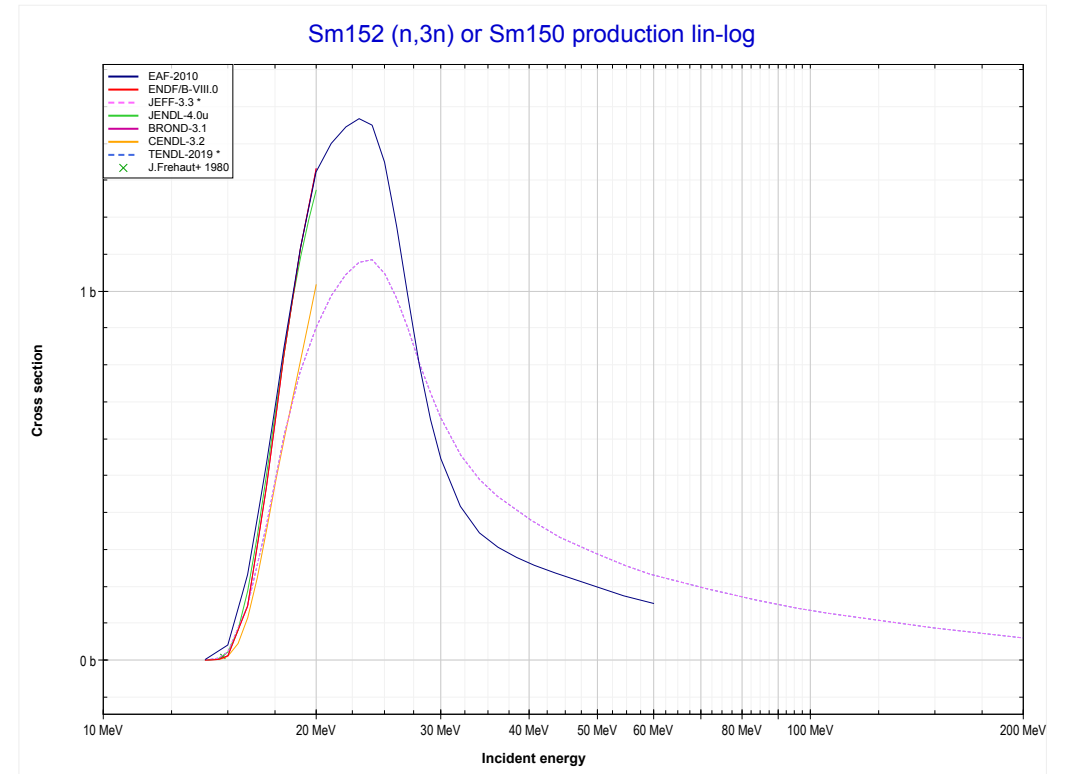
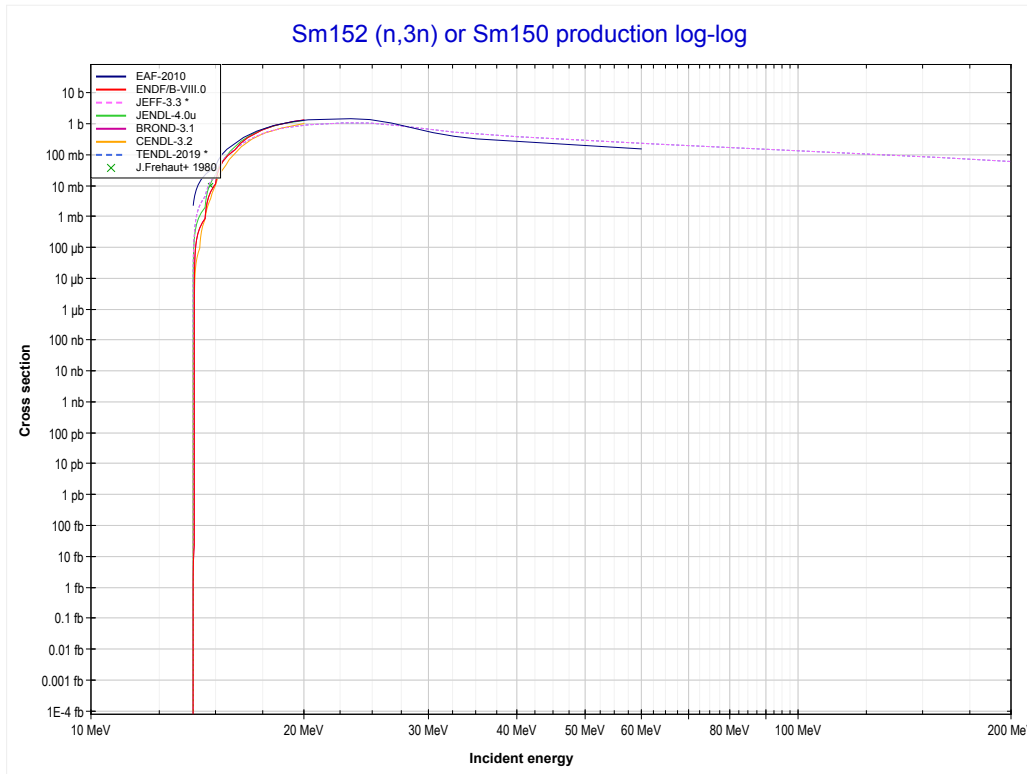
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.10564 b | 3.10564 b | 3.5672 b | 1.14861 | 6068.03 b | 4.52794 b | 2.74228 b |
| JEFF-3.3 | 3.28014 b | 3.28014 b | 3.7658 b | 1.14806 | 6061.03 b | 4.2784 b | 2.64597 b |
| JENDL-4.0u | 3.07735 b | 3.07735 b | 3.5349 b | 1.14869 | 6086.37 b | 4.49822 b | 2.85592 b |
| BROND-3.1 | 3.10564 b | 3.10564 b | 3.5672 b | 1.14861 | 6068.03 b | 4.52794 b | 2.74228 b |
| CENDL-3.2 | 3.05127 b | 3.05127 b | 3.5071 b | 1.14938 | 5982.03 b | 4.46192 b | 2.97681 b |
| TENDL-2019 | 3.10599 b | 3.10599 b | 3.5678 b | 1.14868 | 6056.26 b | 4.27854 b | 2.64597 b |

| | | |
|--------------------|--|----------------|
| << 62-Sm-150 | 62-Sm-152 | 62-Sm-154 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sm151 production) | MT17 (n,3n) >> |



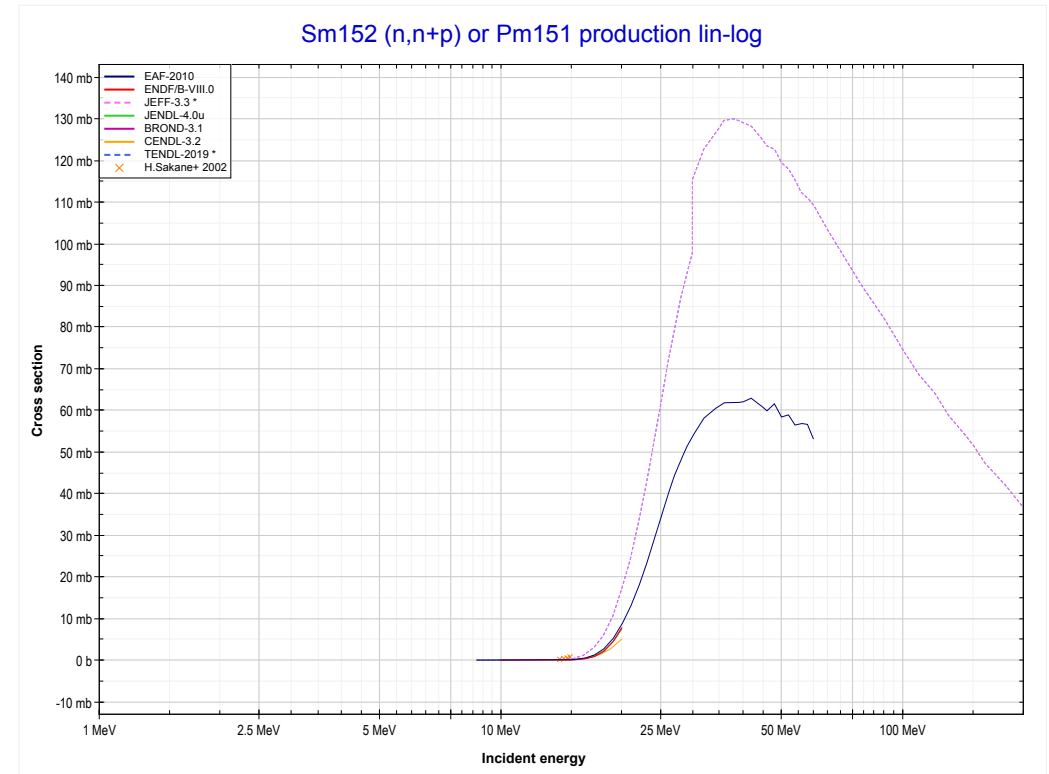
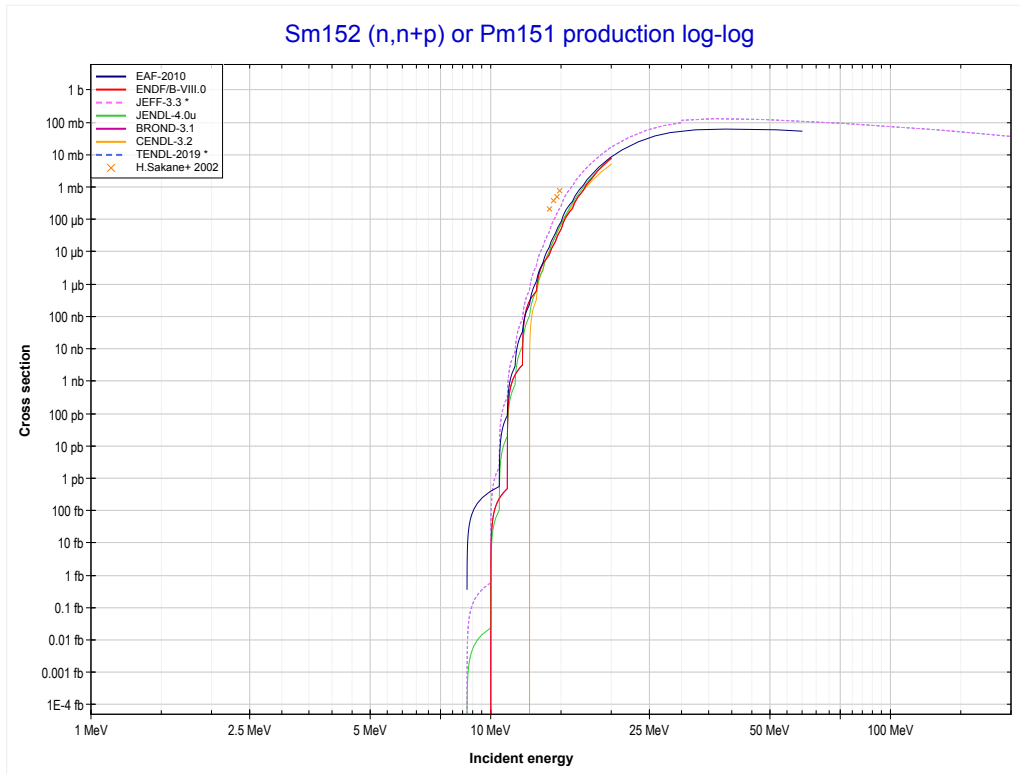
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00403279 b | 1.77 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00425187 b | 1.79962 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00487277 b | 1.69994 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0055384 b | 1.95556 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00425187 b | 1.79962 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00387801 b | 1.7579 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00487608 b | 1.70025 b |

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|----------------|--|-----------------|
| << 62-Sm-150 | 62-Sm-152 | 62-Sm-154 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Sm150 production) | MT28 (n,n+p) >> |



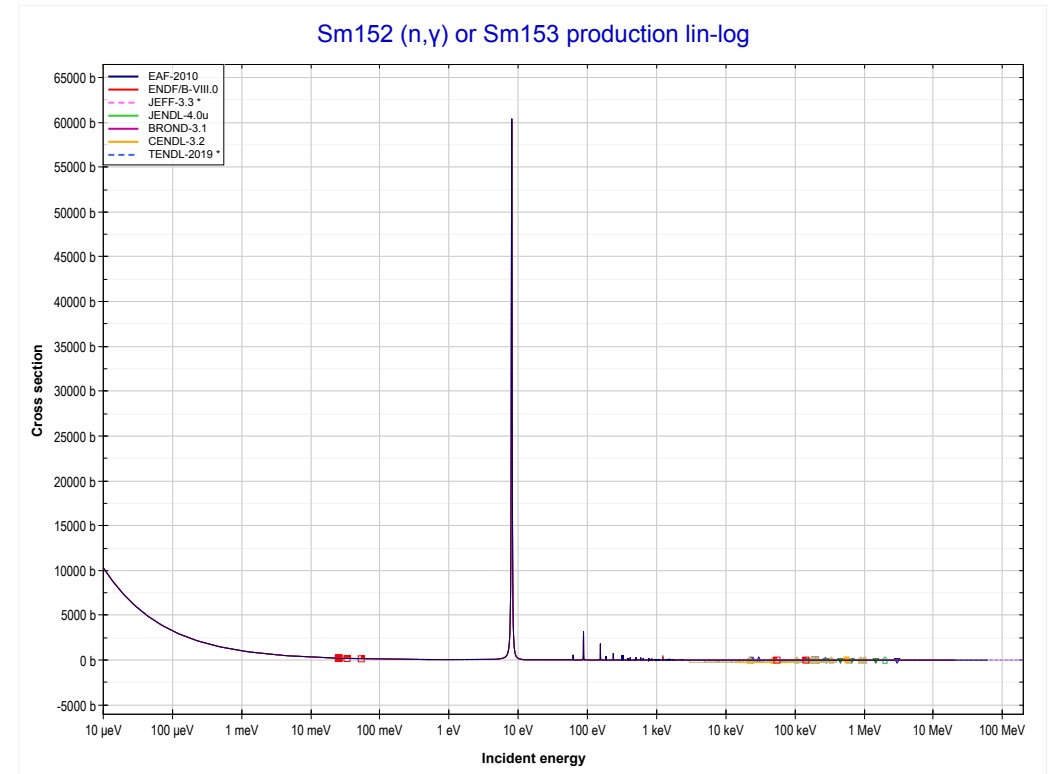
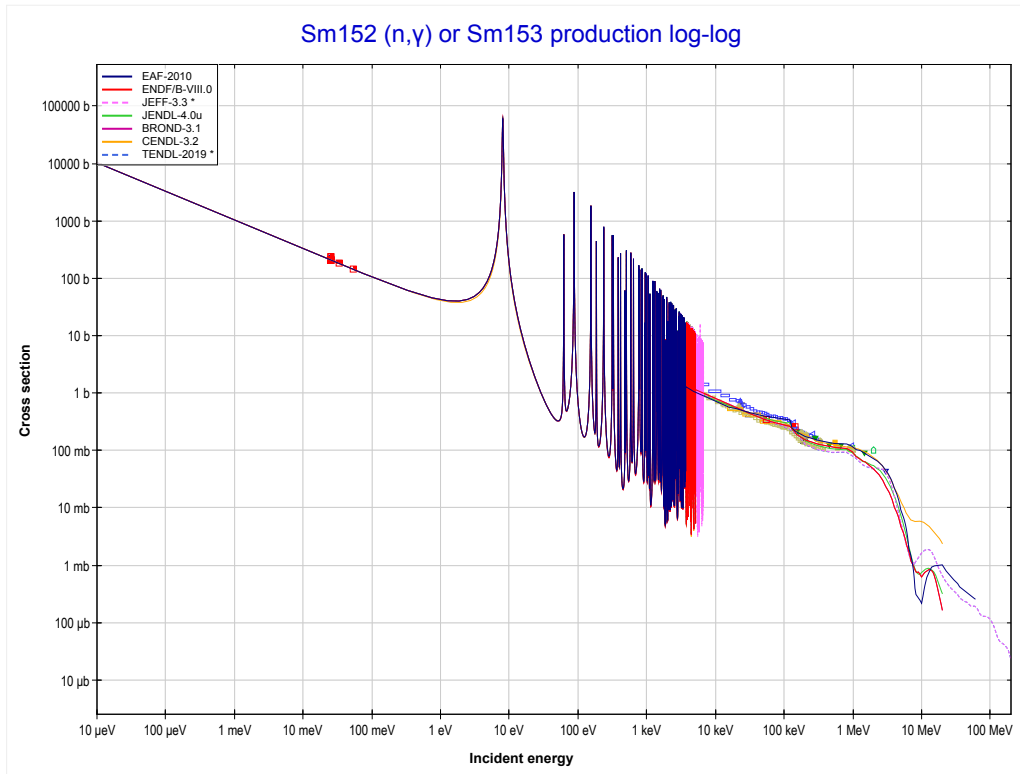
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.05175E-5 b | 0.00407588 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6432E-5 b | 2.36817E-14 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34694E-5 b | 2.24497E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.74571E-5 b | 1.91099E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6432E-5 b | 2.3682E-14 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19098E-5 b | 3.8326E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.34943E-5 b | 2.26093E-4 b |

| | | |
|----------------|---|-------------------------|
| << 60-Nd-148 | 62-Sm-152 | 64-Gd-158 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Pm151 production) | MT102 (n, γ) >> |



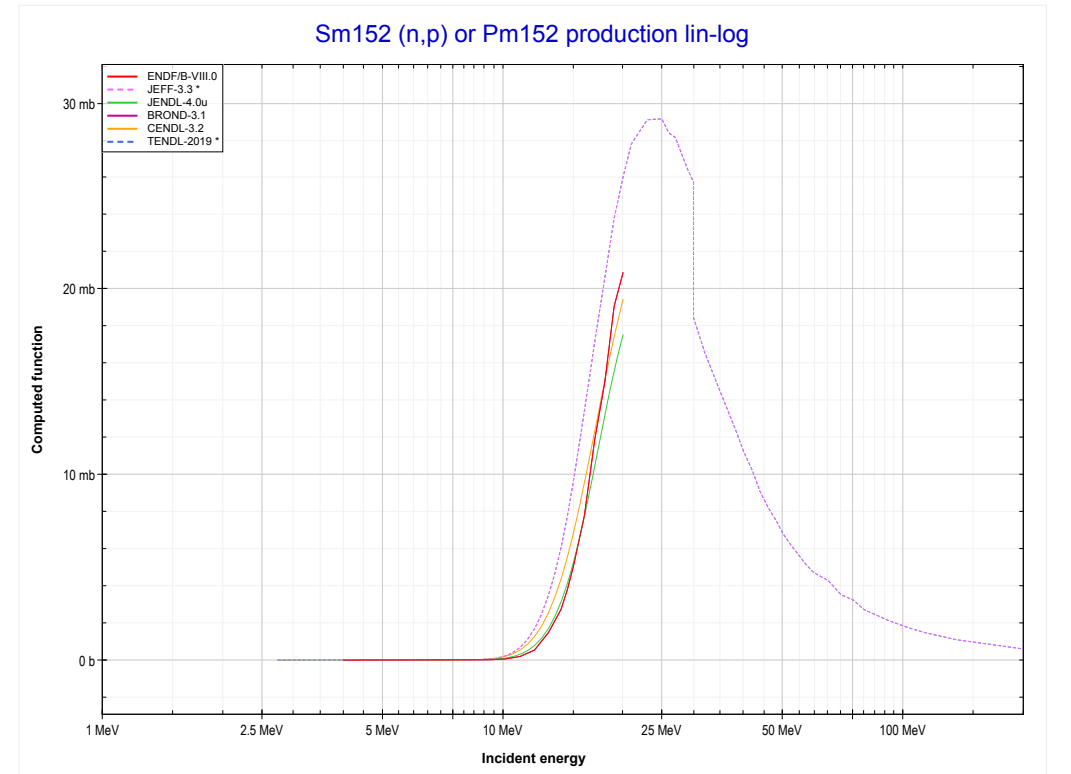
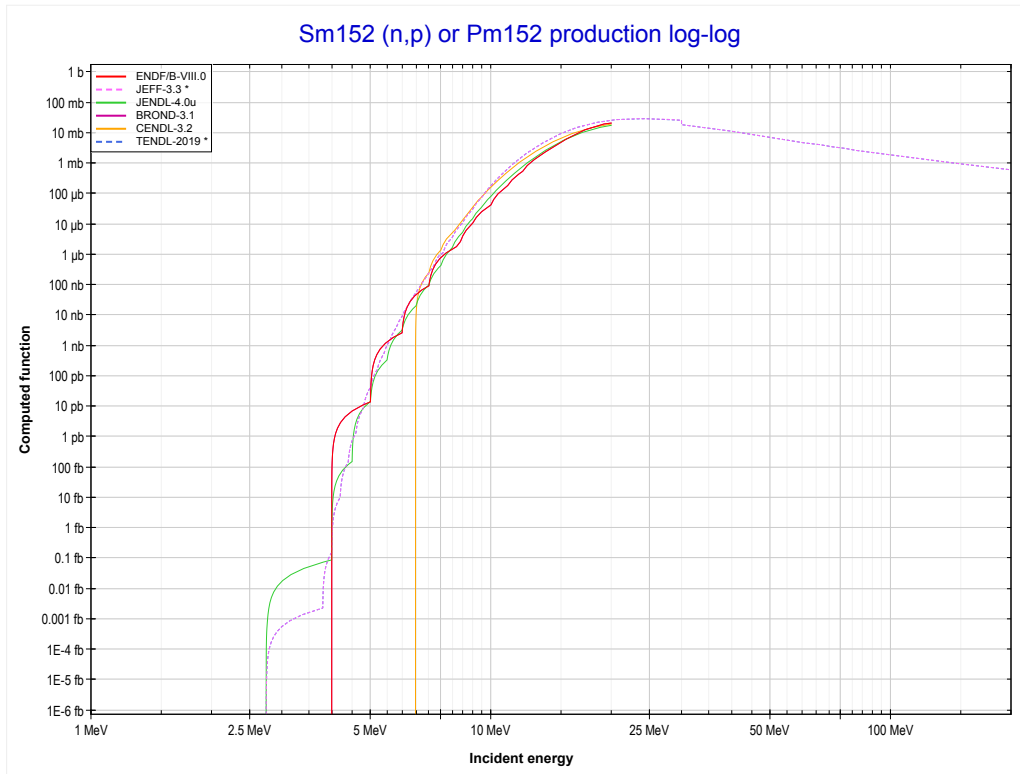
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.21824E-8 b | 7.91021E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.3636E-7 b | 3.99156E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.65145E-8 b | 9.48129E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.21824E-8 b | 7.91021E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6479E-8 b | 1.0543E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36484E-7 b | 3.9968E-5 b |

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|-----------------|--|----------------|
| << 62-Sm-151 | 62-Sm-152 | 62-Sm-154 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Sm153 production) | MT103 (n,p) >> |



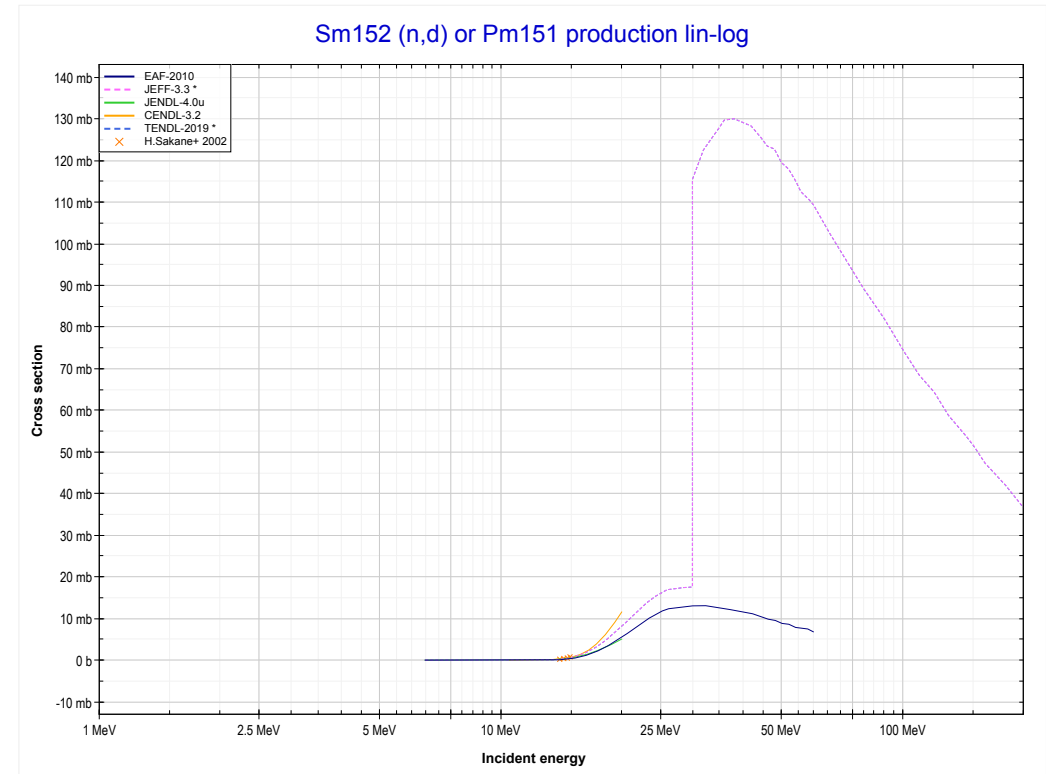
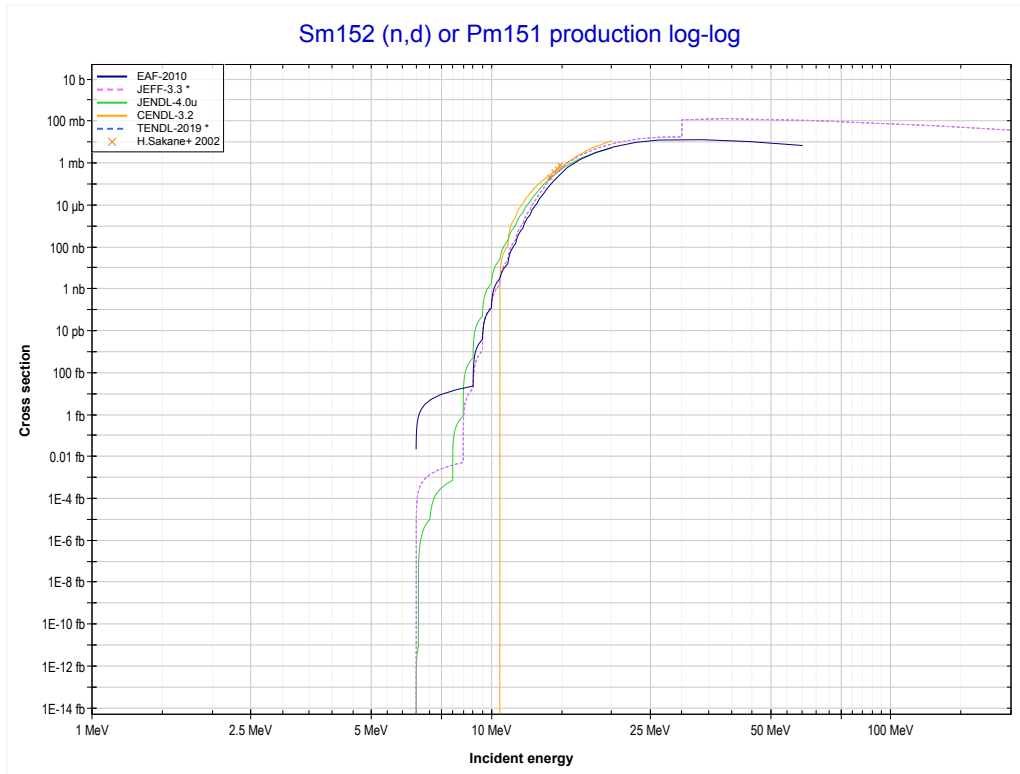
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 206.168 b | 206.015 b | 206.62 b | 1.00295 | 2977.44 b | 0.0909899 b | 9.29597E-4 b |
| ENDF/B-VIII.0 | 205.994 b | 205.994 b | 206.73 b | 1.00356 | 2978.57 b | 0.0697743 b | 8.07548E-4 b |
| JEFF-3.3 | 206.02 b | 206.02 b | 206.74 b | 1.00349 | 2980.04 b | 0.0661141 b | 0.00172337 b |
| JENDL-4.0u | 205.891 b | 205.891 b | 206.62 b | 1.00356 | 2979.16 b | 0.0710657 b | 8.38015E-4 b |
| BROND-3.1 | 205.994 b | 205.994 b | 206.73 b | 1.00356 | 2978.57 b | 0.0697743 b | 8.07548E-4 b |
| CENDL-3.2 | 206.64 b | 206.64 b | 207.19 b | 1.00264 | 2763.6 b | 0.0901171 b | 0.0042655 b |
| TENDL-2019 | 205.971 b | 205.971 b | 206.63 b | 1.0032 | 2977.55 b | 0.0651249 b | 0.00172237 b |

| | | |
|-------------------------|--|----------------|
| << 62-Sm-150 | 62-Sm-152 | 62-Sm-154 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm152 production) | MT104 (n,d) >> |



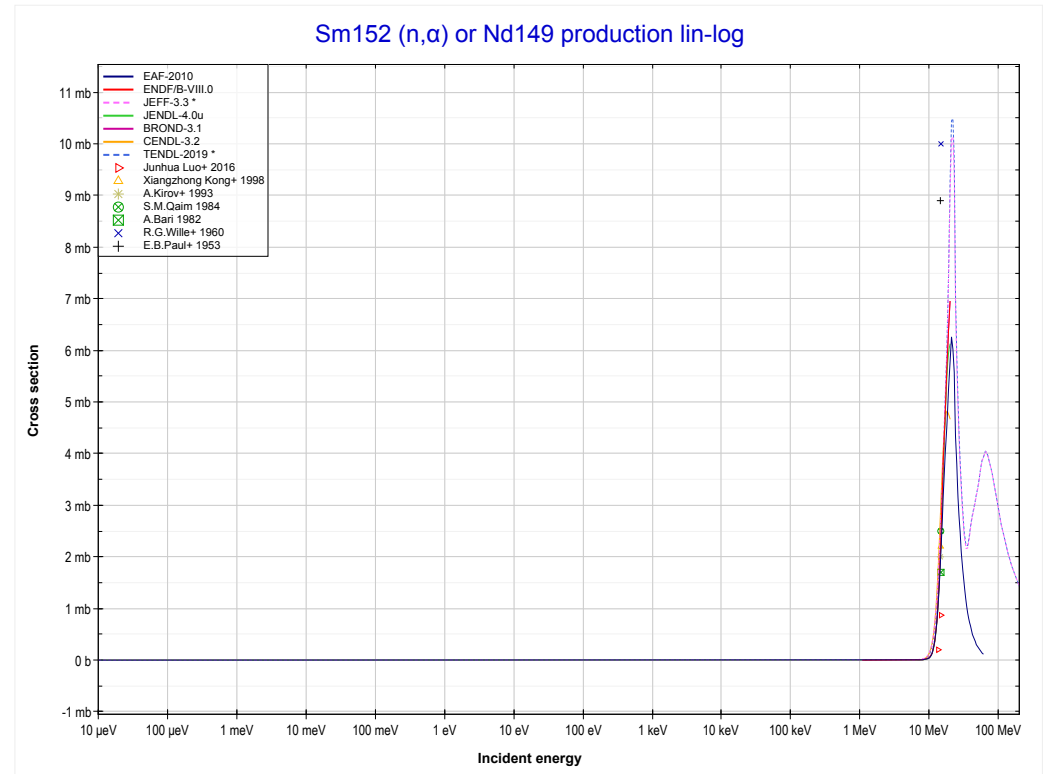
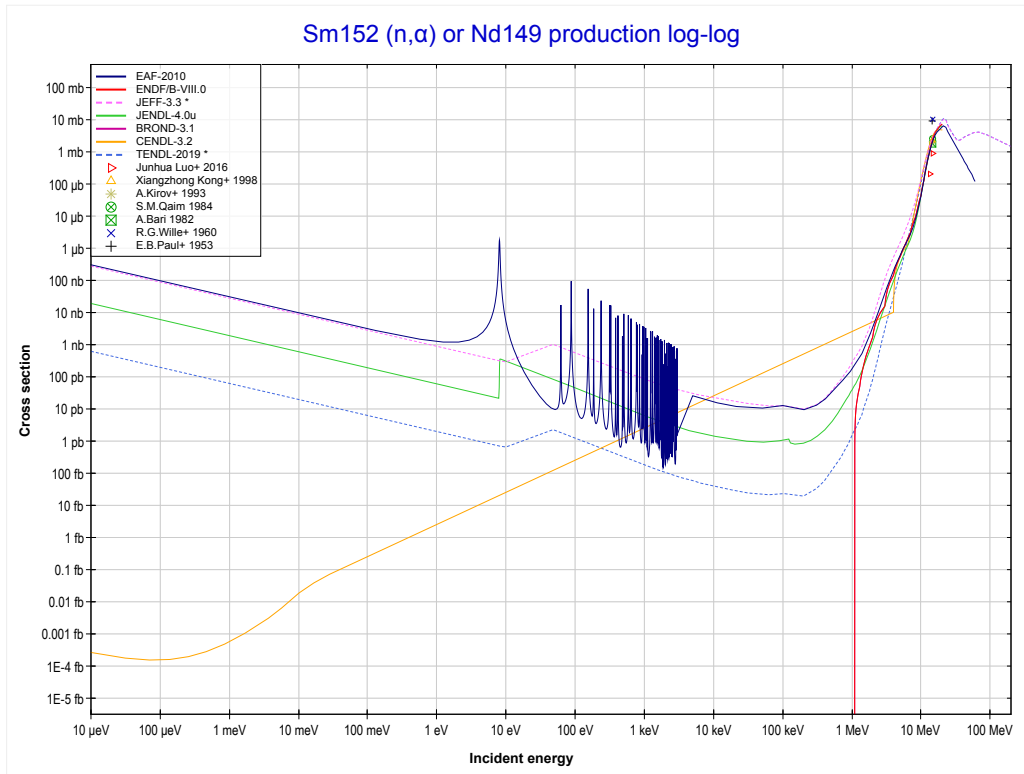
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54611E-6 b | 0.00272544 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.49069E-6 b | 0.00605541 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.77346E-6 b | 0.00312485 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54611E-6 b | 0.00272544 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.65876E-6 b | 0.0043634 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.49054E-6 b | 0.00605538 b |

| | | |
|----------------|--|-------------------------|
| << 60-Nd-148 | 62-Sm-152 | 62-Sm-154 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Pm151 production) | MT107 (n, α) >> |



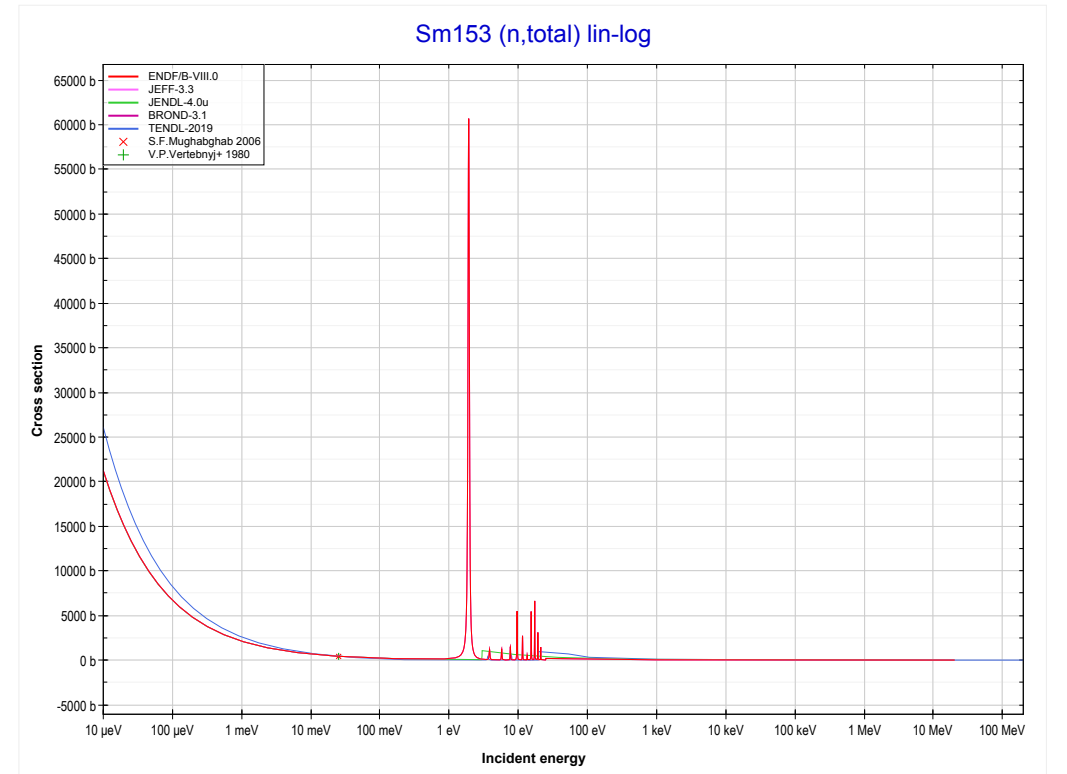
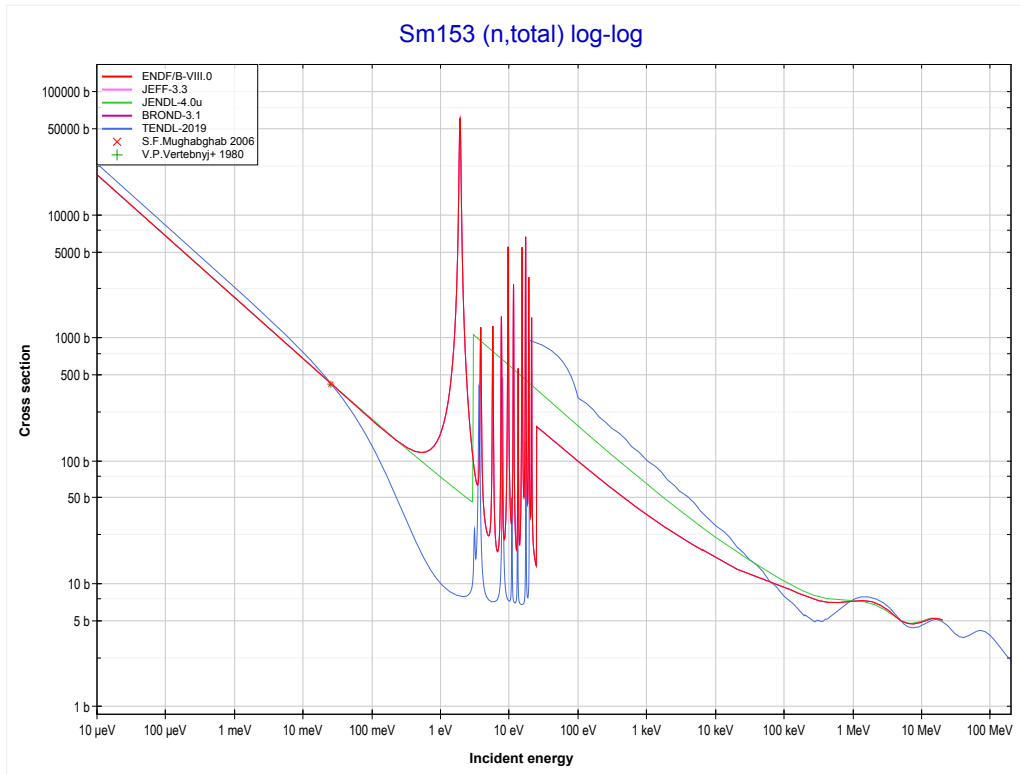
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.75653E-8 b | 7.9889E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4197E-7 b | 1.49166E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.14192E-7 b | 1.76809E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.9069E-7 b | 2.6894E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.41971E-7 b | 1.49177E-4 b |

| | | |
|----------------|--|----------------------------|
| << 62-Sm-150 | 62-Sm-152 | 62-Sm-154 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Nd149 production) | 62-Sm-153 MT1 (n,total) >> |



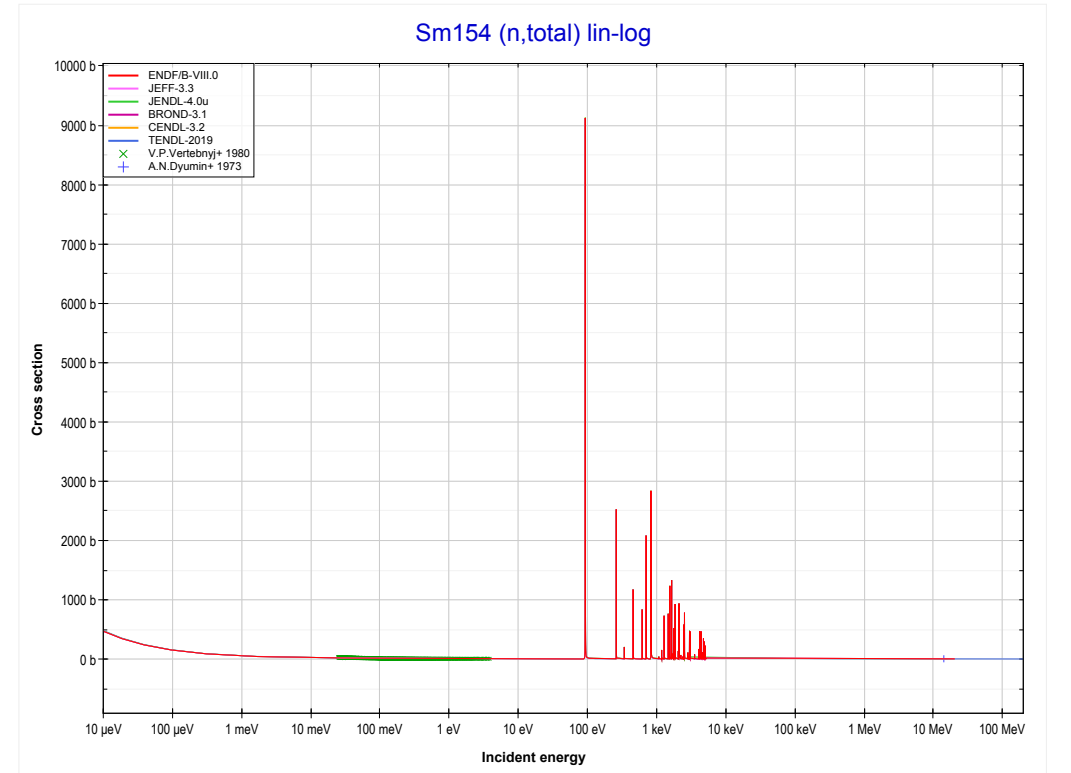
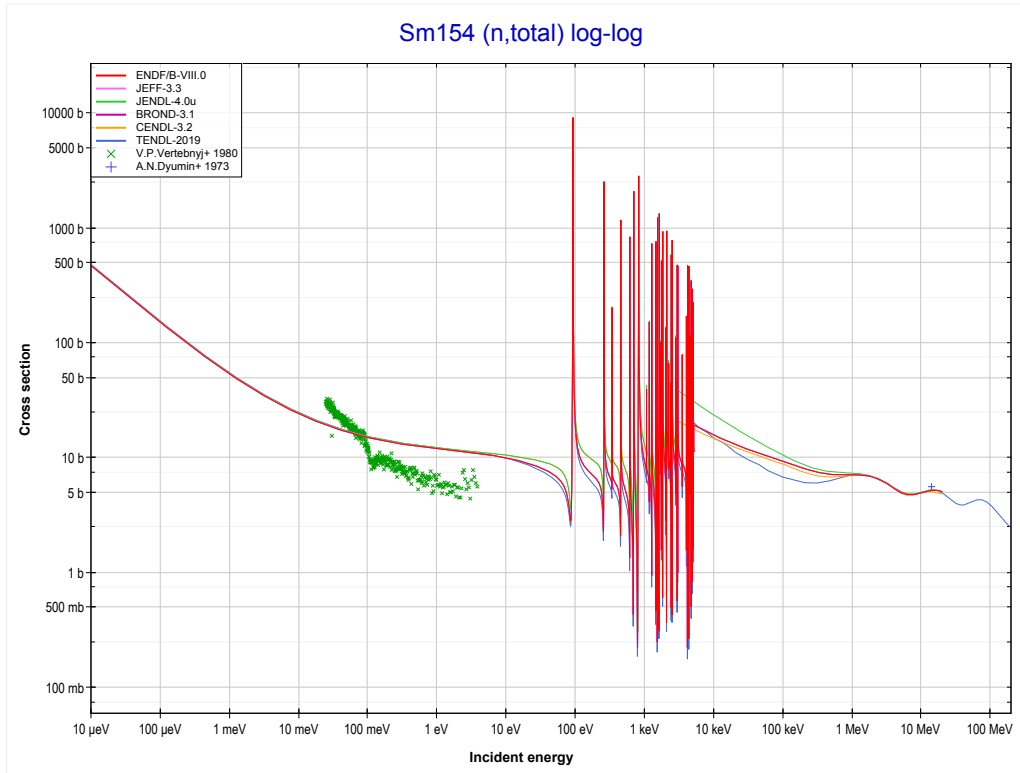
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.0038E-9 b | 5.99936E-9 b | 6.017E-9 b | 1.00295 | 8.6685E-8 b | 9.48962E-7 b | 0.00146612 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03291E-6 b | 0.00155952 b |
| JEFF-3.3 | 5.41897E-9 b | 5.41897E-9 b | 5.4202E-9 b | 1.00022 | 4.06212E-9 b | 1.92568E-6 b | 0.00208101 b |
| JENDL-4.0u | 3.7383E-10 b | 3.7383E-10 b | 3.7398E-10 b | 1.0004 | 5.68169E-10 b | 9.10366E-7 b | 0.0015094 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03291E-6 b | 0.00155952 b |
| CENDL-3.2 | 6.3966E-17 b | 6.3966E-17 b | 1.4268E-16 b | 2.23049 | 2.49999E-10 b | 1.65677E-6 b | 0.0023018 b |
| TENDL-2019 | 1.2216E-11 b | 1.2216E-11 b | 1.2212E-11 b | 0.99964 | 9.05817E-12 b | 1.46179E-6 b | 0.00198834 b |

| | | |
|-----------------------------------|----------------------|----------------------------|
| << 62-Sm-152 | 62-Sm-153 | 62-Sm-154 >> |
| << 62-Sm-152 MT107 (n, α) | MT1 (n,total) | 62-Sm-154 MT1 (n,total) >> |



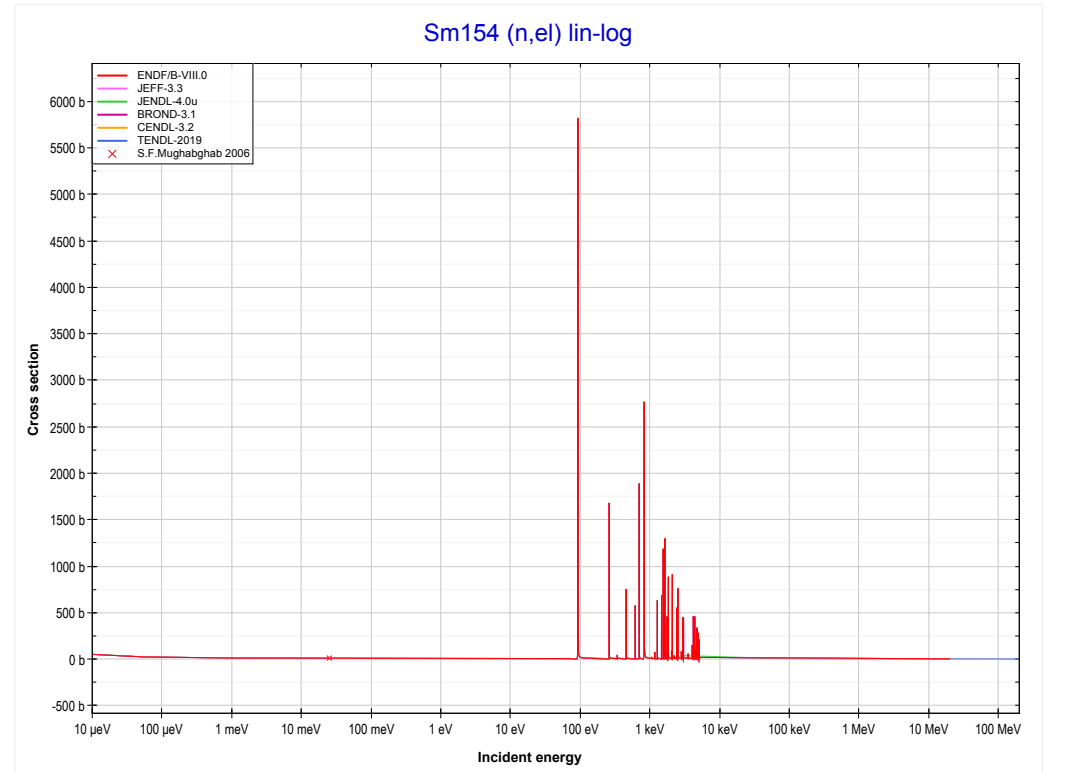
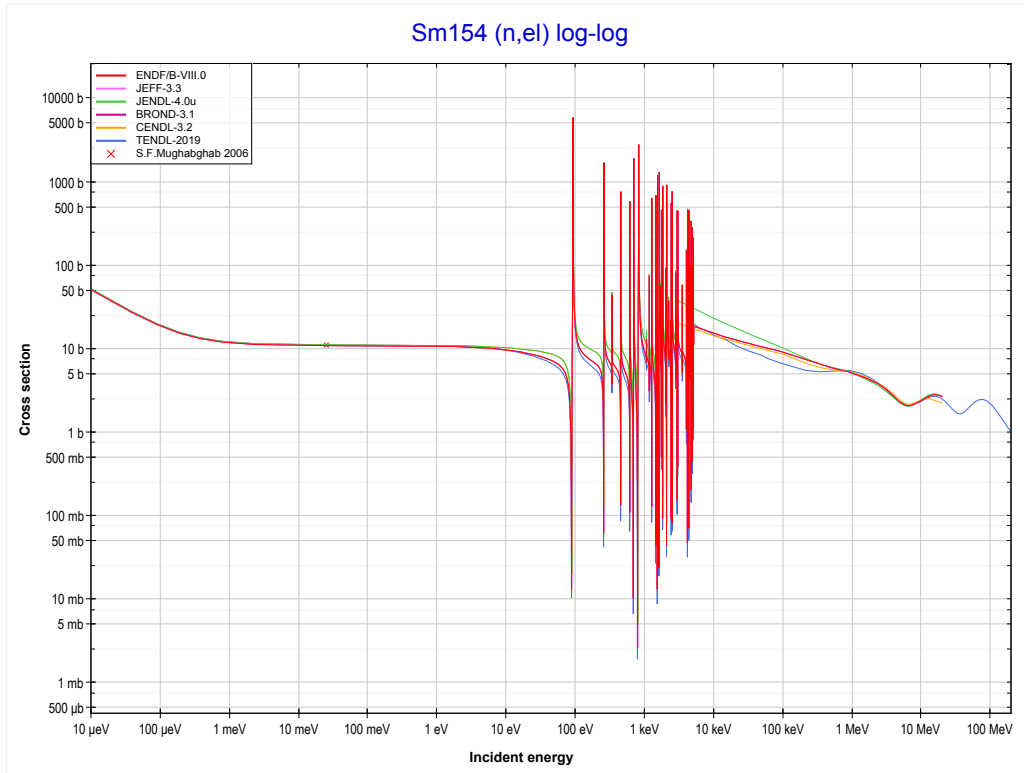
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 424.187 b | 424.187 b | 424.64 b | 1.00106 | 5778.04 b | 6.83414 b | 5.21036 b |
| JEFF-3.3 | 424.187 b | 424.187 b | 424.64 b | 1.00106 | 5778.04 b | 6.83414 b | 5.21036 b |
| JENDL-4.0u | 426.839 b | 426.839 b | 427.88 b | 1.00243 | 2317.03 b | 6.89956 b | 5.26694 b |
| BROND-3.1 | 424.187 b | 424.187 b | 424.64 b | 1.00106 | 5778.04 b | 6.83414 b | 5.21036 b |
| TENDL-2019 | 427.457 b | 427.457 b | 402.53 b | 0.9417 | 1871.98 b | 6.78904 b | 5.04209 b |

| | | |
|----------------------------|----------------------|--------------------|
| << 62-Sm-153 | 62-Sm-154 | 63-Eu-151 >> |
| << 62-Sm-153 MT1 (n,total) | MT1 (n,total) | MT2 (n,elastic) >> |



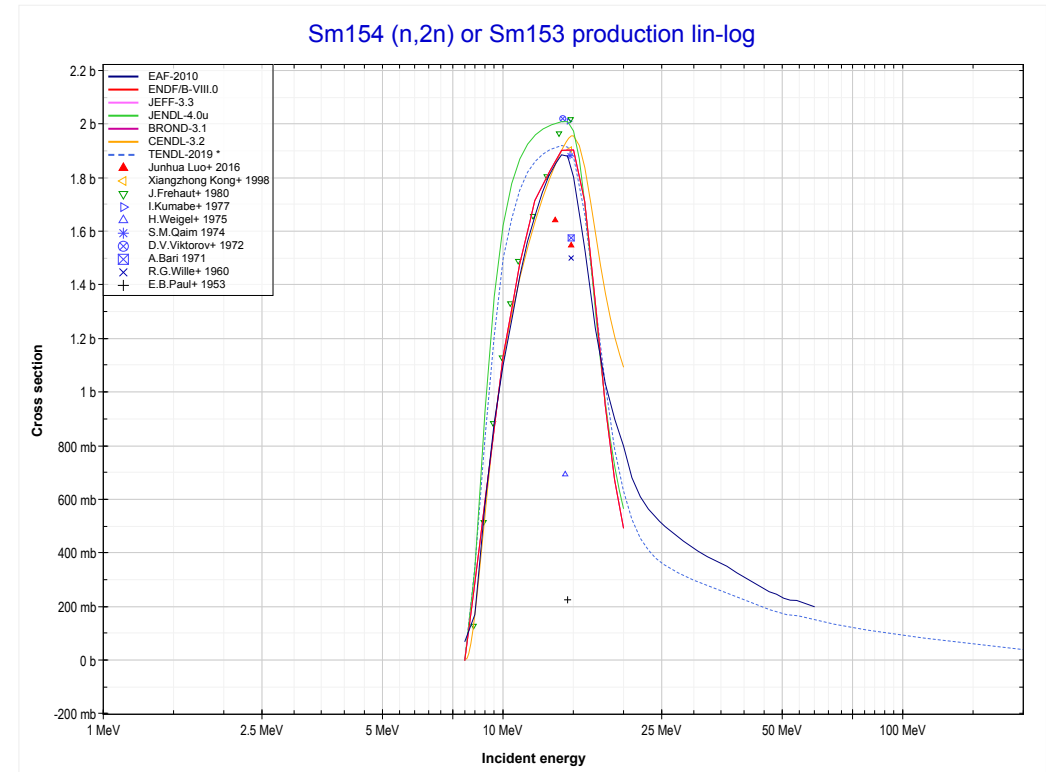
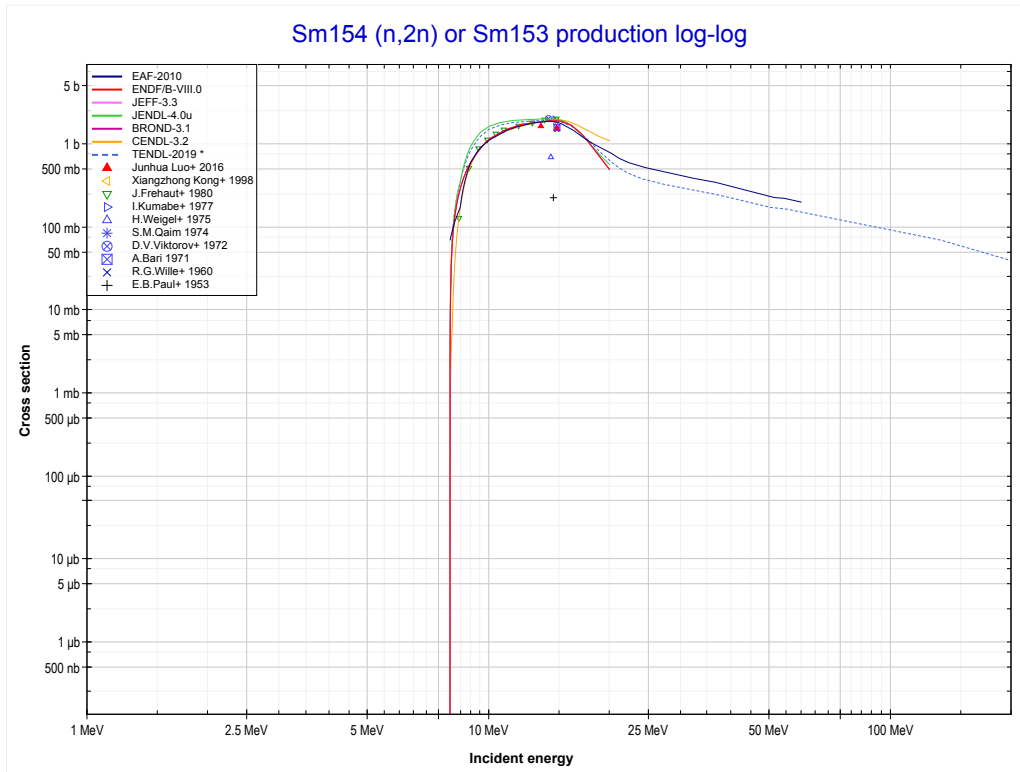
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 19.1632 b | 19.1632 b | 20.551 b | 1.07241 | 249.299 b | 6.71533 b | 5.18682 b |
| JEFF-3.3 | 19.1632 b | 19.1632 b | 20.551 b | 1.07241 | 249.299 b | 6.71533 b | 5.18682 b |
| JENDL-4.0u | 19.4255 b | 19.4255 b | 20.837 b | 1.07268 | 288.693 b | 6.9178 b | 5.28259 b |
| BROND-3.1 | 19.1632 b | 19.1632 b | 20.551 b | 1.07241 | 249.299 b | 6.71533 b | 5.18682 b |
| CENDL-3.2 | 19.424 b | 19.424 b | 20.833 b | 1.07256 | 262.493 b | 6.61933 b | 5.0597 b |
| TENDL-2019 | 19.6284 b | 19.6284 b | 21.045 b | 1.07216 | 239.523 b | 6.46217 b | 5.18734 b |

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|------------------|------------------------|----------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-151 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



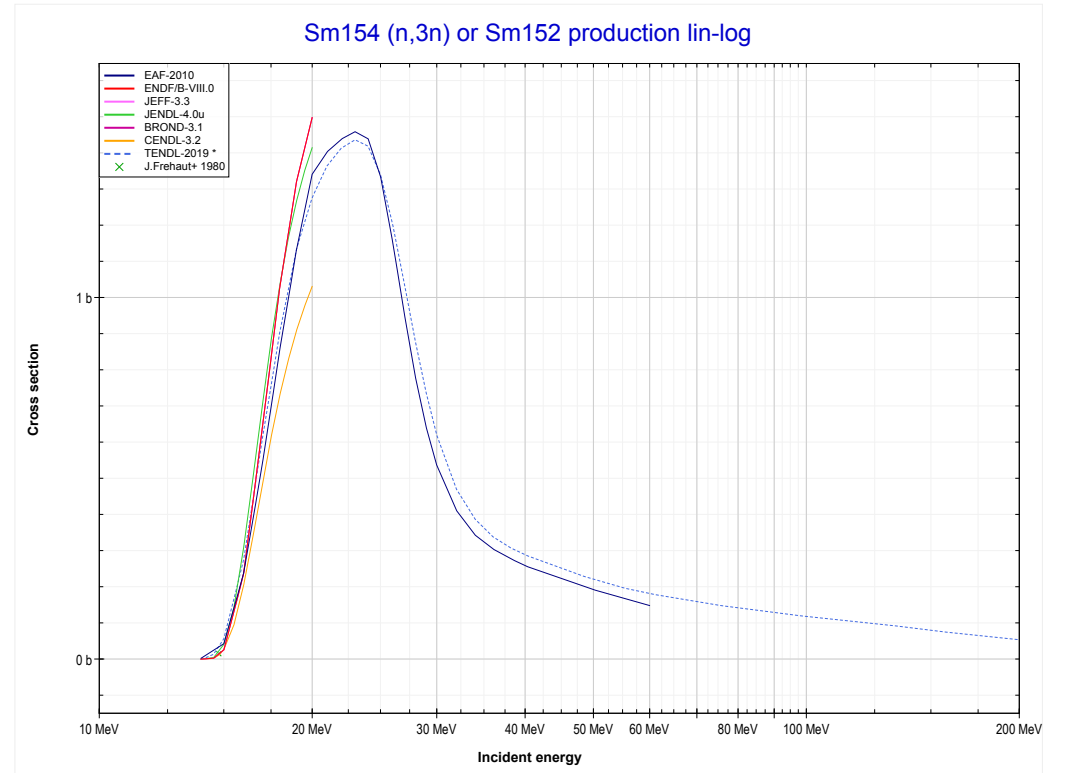
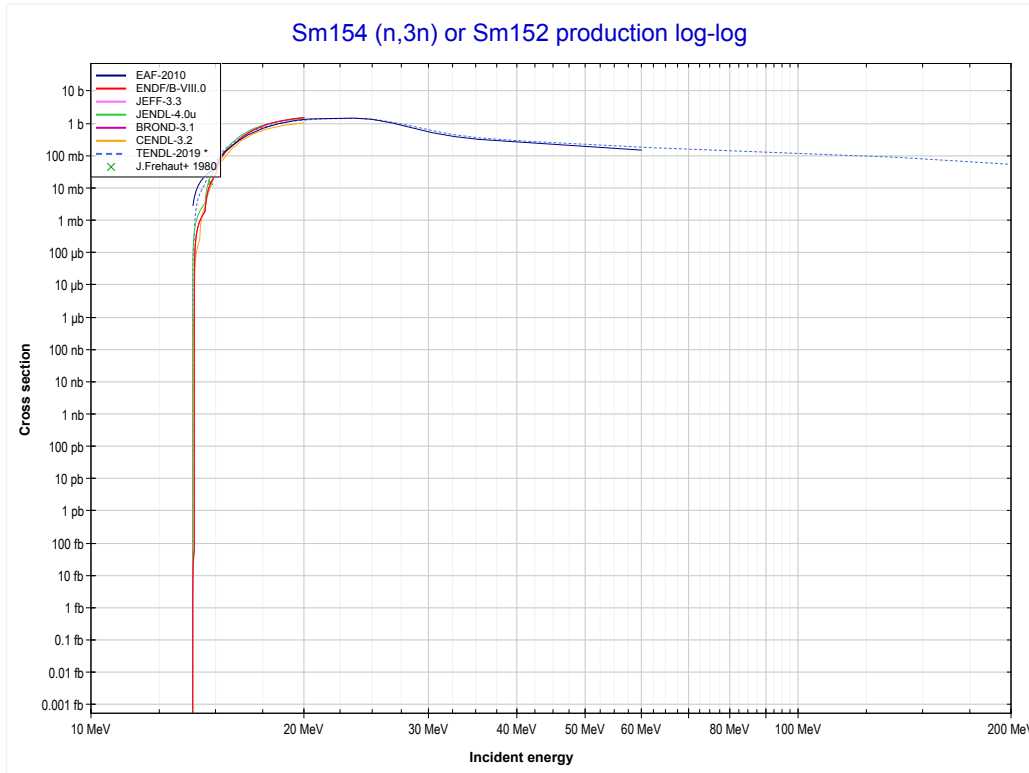
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.8389 b | 10.8389 b | 12.226 b | 1.12802 | 213.089 b | 4.5238 b | 2.75391 b |
| JEFF-3.3 | 10.8389 b | 10.8389 b | 12.226 b | 1.12802 | 213.089 b | 4.5238 b | 2.75391 b |
| JENDL-4.0u | 11.0311 b | 11.0311 b | 12.445 b | 1.12814 | 252.365 b | 4.52723 b | 2.84628 b |
| BROND-3.1 | 10.8389 b | 10.8389 b | 12.226 b | 1.12802 | 213.089 b | 4.5238 b | 2.75391 b |
| CENDL-3.2 | 11.0311 b | 11.0311 b | 12.445 b | 1.12821 | 226.38 b | 4.52782 b | 2.486 b |
| TENDL-2019 | 11.0907 b | 11.0907 b | 12.51 b | 1.12799 | 203.508 b | 4.41977 b | 2.65584 b |

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|--------------------|--|----------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-151 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Sm153 production) | MT17 (n,3n) >> |



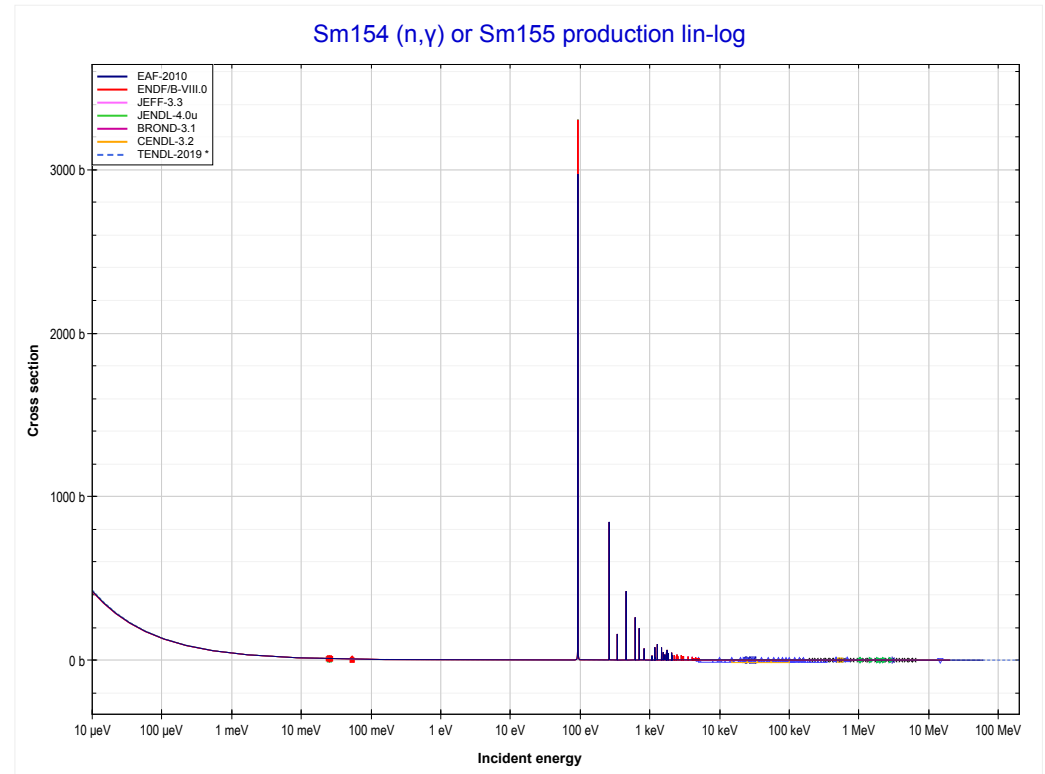
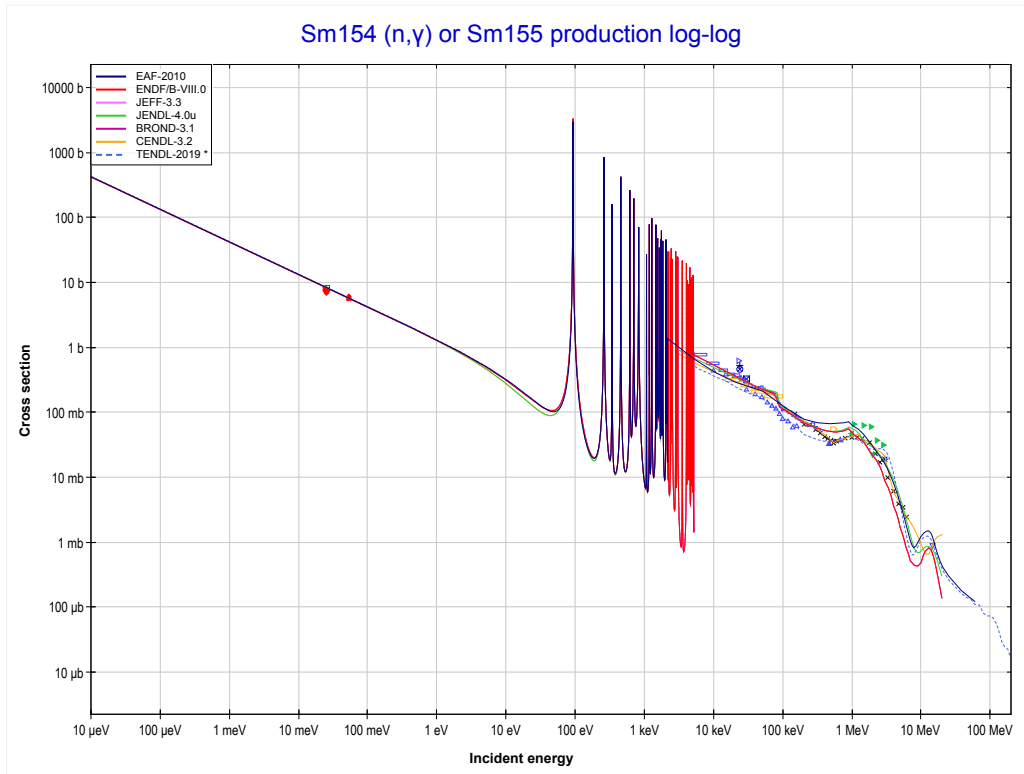
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0052716 b | 1.885 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00558644 b | 1.90156 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00558644 b | 1.90156 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00752127 b | 2.0086 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00558644 b | 1.90156 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00517053 b | 1.9011 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00698612 b | 1.92001 b |

| | | |
|----------------|--|-------------------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-151 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Sm152 production) | MT102 (n, γ) >> |



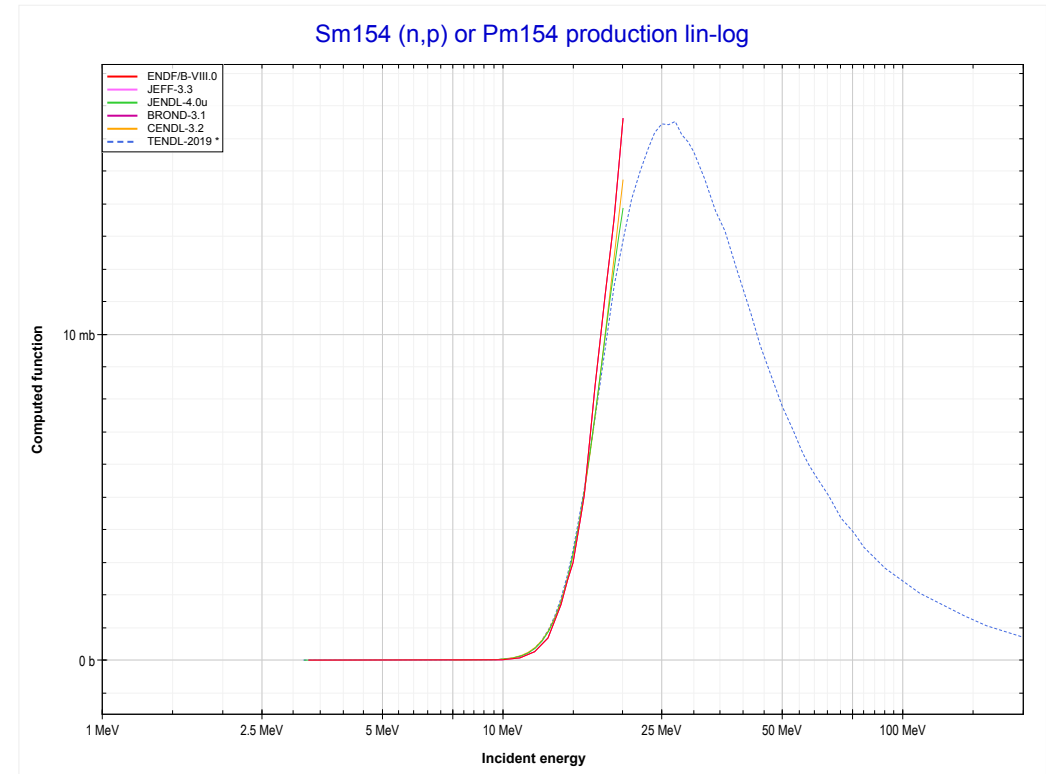
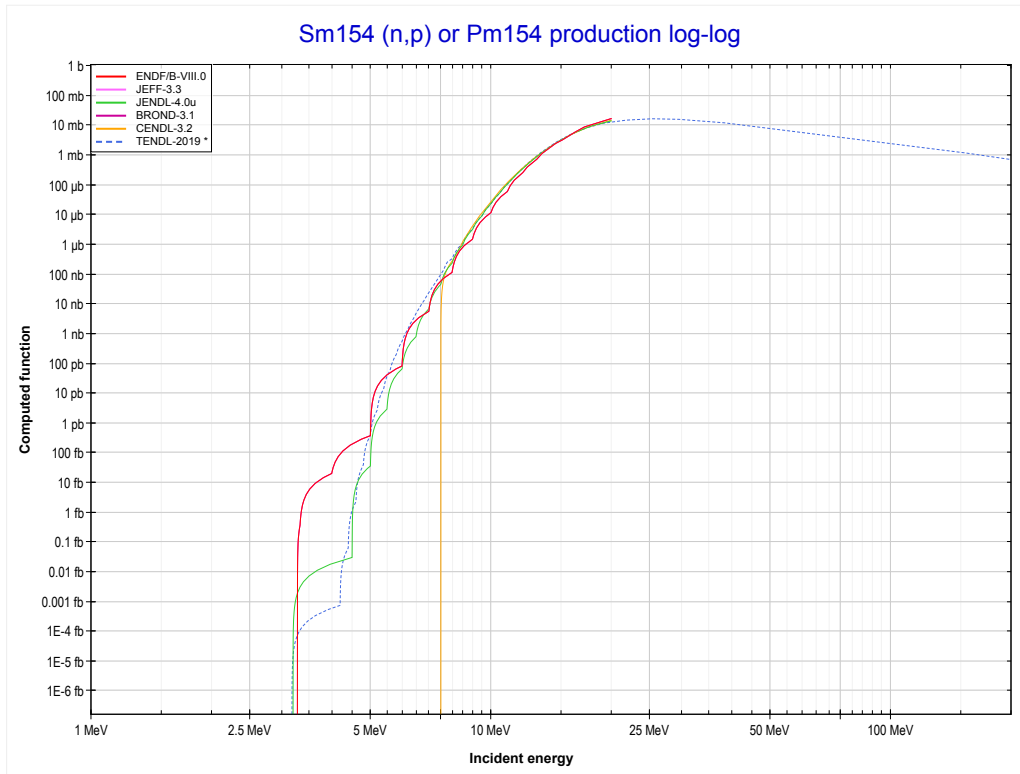
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.09477E-5 b | 0.00506298 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22797E-5 b | 6.46159E-14 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22797E-5 b | 6.46159E-14 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.43752E-5 b | 4.34432E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22797E-5 b | 6.4616E-14 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67059E-5 b | 1.2209E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27464E-5 b | 2.83662E-4 b |

| | | |
|----------------|--|----------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-151 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (Sm155 production) | MT103 (n,p) >> |



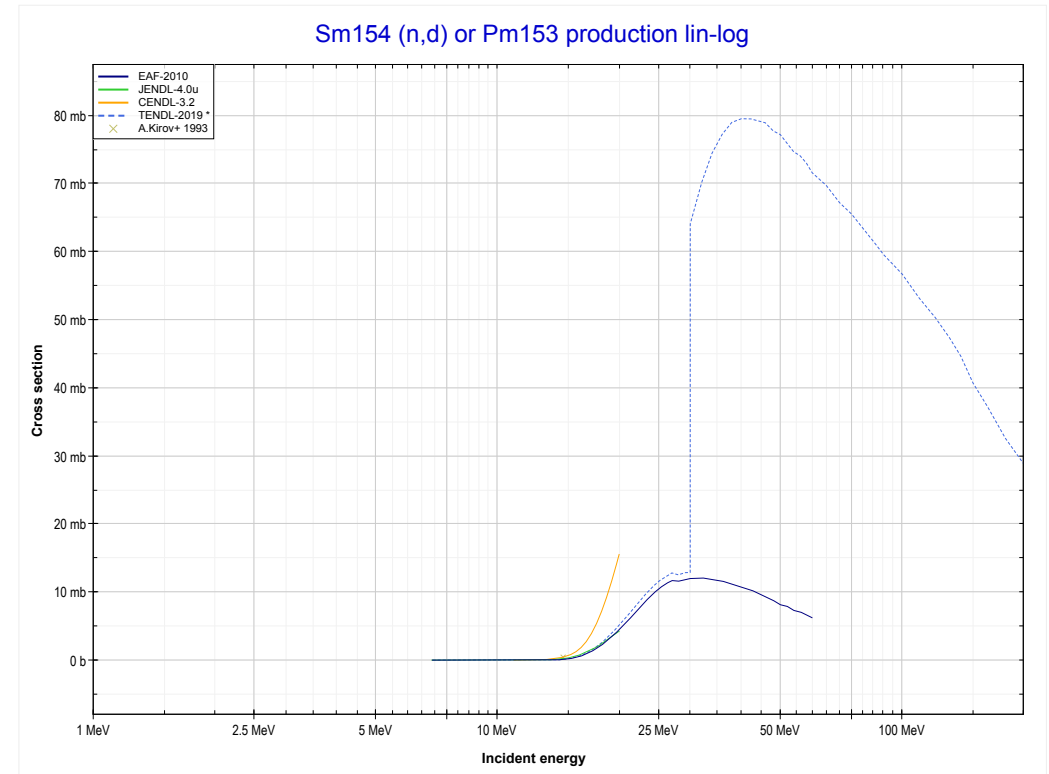
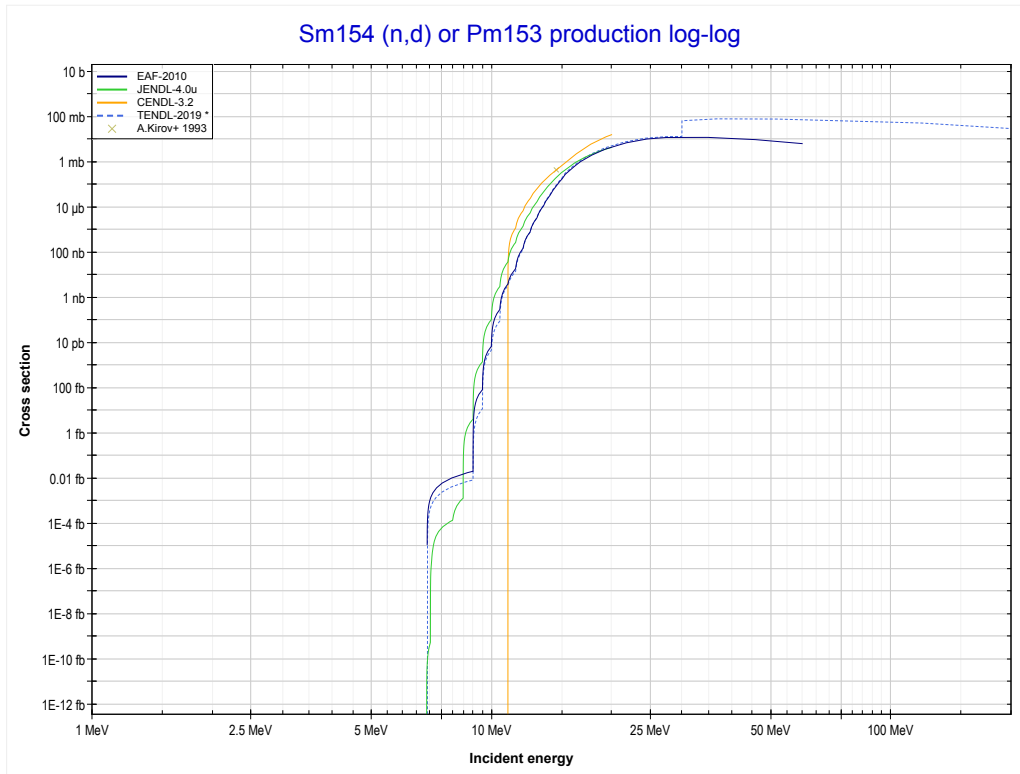
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.40797 b | 8.40166 b | 8.397 b | 0.99945 | 33.5556 b | 0.0436169 b | 0.00136976 b |
| ENDF/B-VIII.0 | 8.32427 b | 8.32427 b | 8.3244 b | 1.00001 | 36.1932 b | 0.0337516 b | 7.65363E-4 b |
| JEFF-3.3 | 8.32427 b | 8.32427 b | 8.3244 b | 1.00001 | 36.1932 b | 0.0337516 b | 7.65363E-4 b |
| JENDL-4.0u | 8.39435 b | 8.39435 b | 8.3926 b | 0.9998 | 36.3019 b | 0.0385285 b | 8.208E-4 b |
| BROND-3.1 | 8.32427 b | 8.32427 b | 8.3244 b | 1.00001 | 36.1932 b | 0.0337516 b | 7.65363E-4 b |
| CENDL-3.2 | 8.39287 b | 8.39287 b | 8.388 b | 0.99942 | 36.0952 b | 0.0348679 b | 7.6955E-4 b |
| TENDL-2019 | 8.53774 b | 8.53774 b | 8.5346 b | 0.99963 | 36.004 b | 0.0315703 b | 0.00110982 b |

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|-------------------------|--|----------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-153 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pm154 production) | MT104 (n,d) >> |



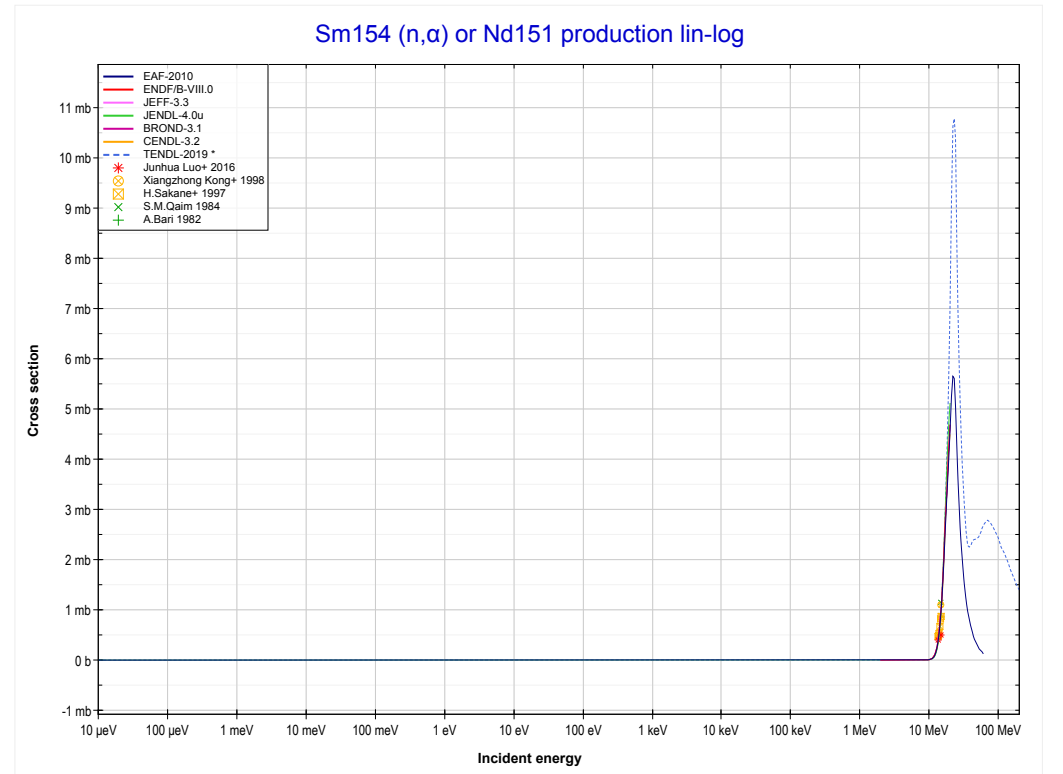
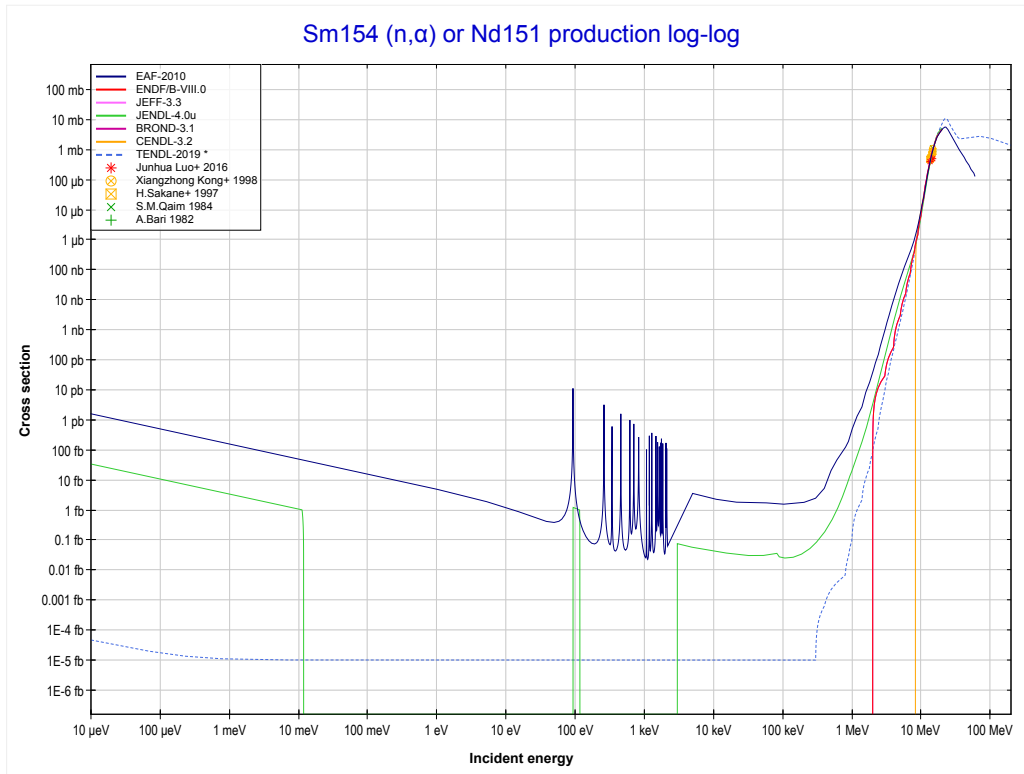
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.53003E-7 b | 0.00170556 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.53003E-7 b | 0.00170556 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.34579E-7 b | 0.00179258 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.53003E-7 b | 0.00170556 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.64334E-7 b | 0.0018105 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.64834E-7 b | 0.00190029 b |

| | | |
|----------------|--|-------------------------|
| << 62-Sm-152 | 62-Sm-154 | 64-Gd-158 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Pm153 production) | MT107 (n, α) >> |



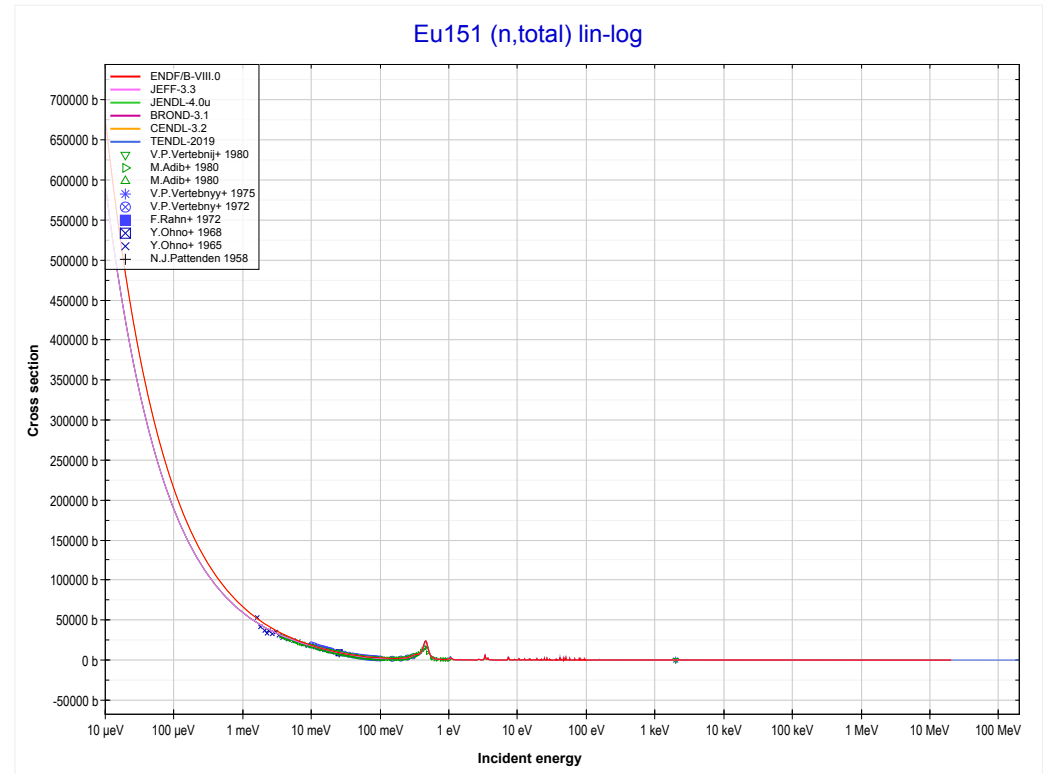
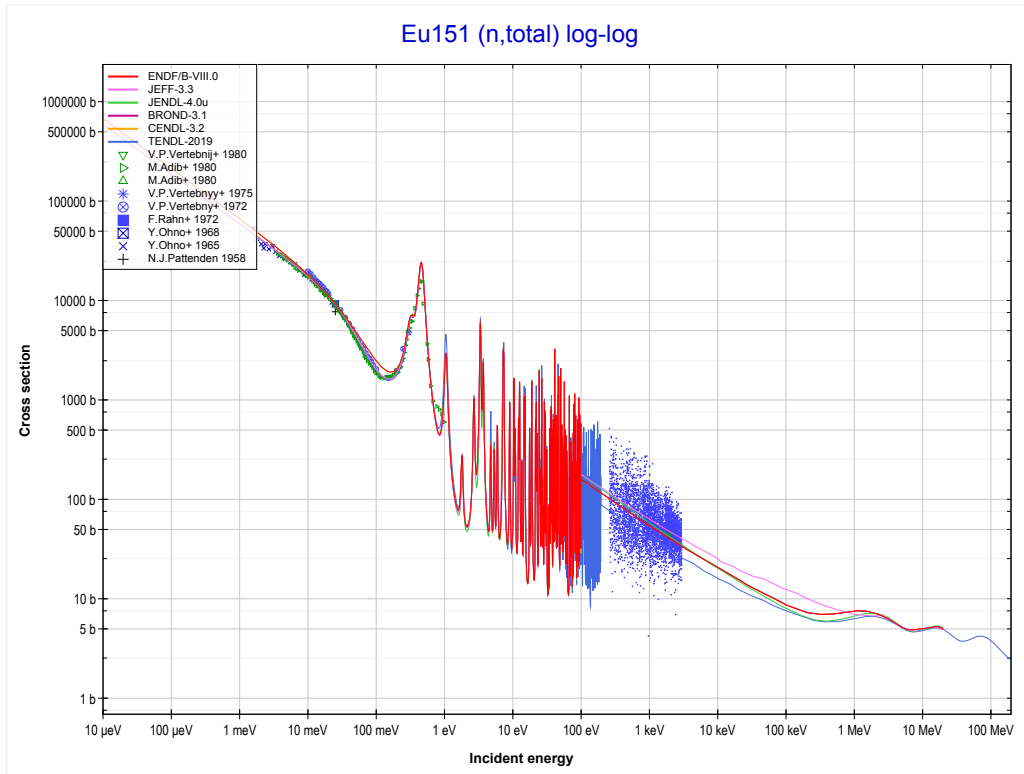
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.4913E-8 b | 3.01802E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.79886E-8 b | 9.5326E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.03426E-7 b | 2.4593E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.23753E-8 b | 3.26508E-5 b |

| | | |
|----------------|--|----------------------------|
| << 62-Sm-152 | 62-Sm-154 | 63-Eu-151 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Nd151 production) | 63-Eu-151 MT1 (n,total) >> |



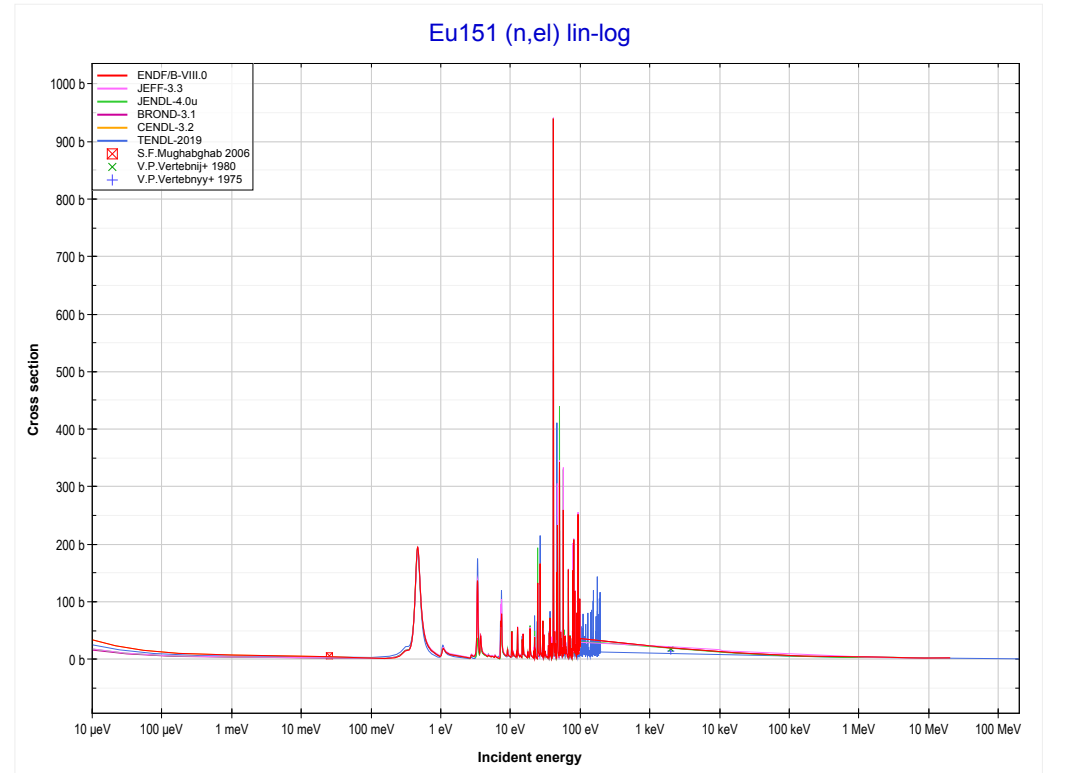
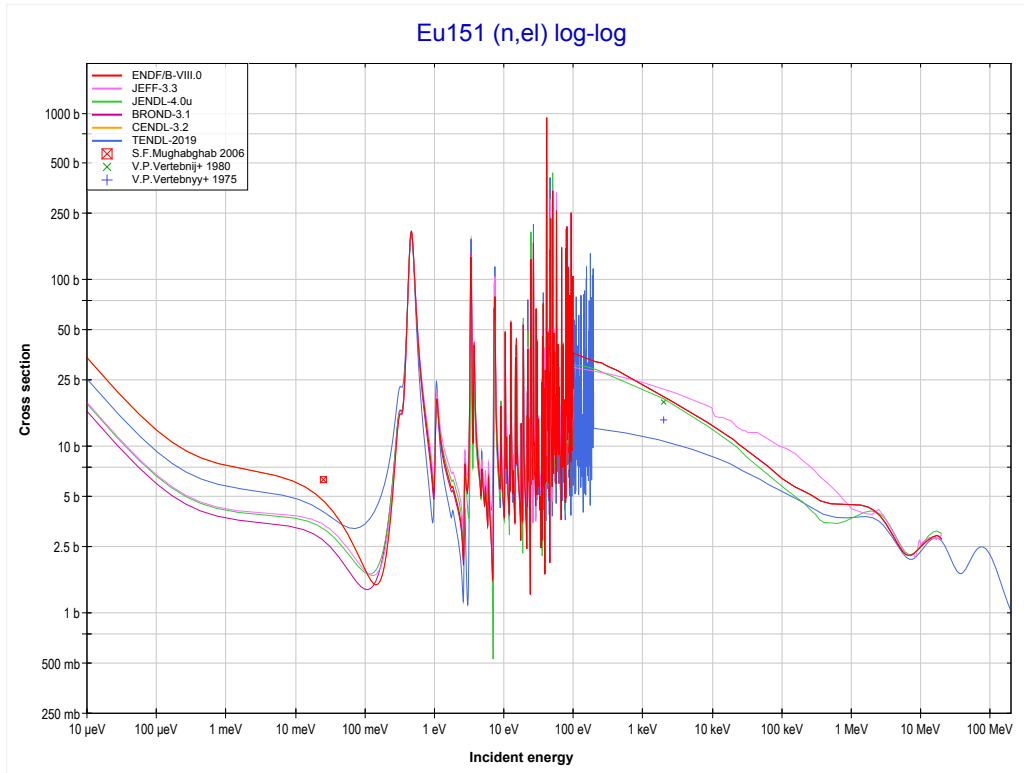
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.1751E-14 b | 3.17272E-14 b | 3.171E-14 b | 0.99945 | 1.26937E-13 b | 3.12299E-7 b | 5.71441E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20751E-7 b | 6.34724E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20751E-7 b | 6.34724E-4 b |
| JENDL-4.0u | 0 b | 0 b | 1.2004E-16 b | 0 | 3.90468E-16 b | 2.91862E-7 b | 5.45117E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.20751E-7 b | 6.34724E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86874E-7 b | 4.9617E-4 b |
| TENDL-2019 | 1.0033E-20 b | 1.0033E-20 b | 1.1321E-20 b | 1.12841 | 1.22074E-19 b | 3.22212E-7 b | 5.90546E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 62-Sm-154 | 63-Eu-151 | 63-Eu-152 >> |
| << 62-Sm-154 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



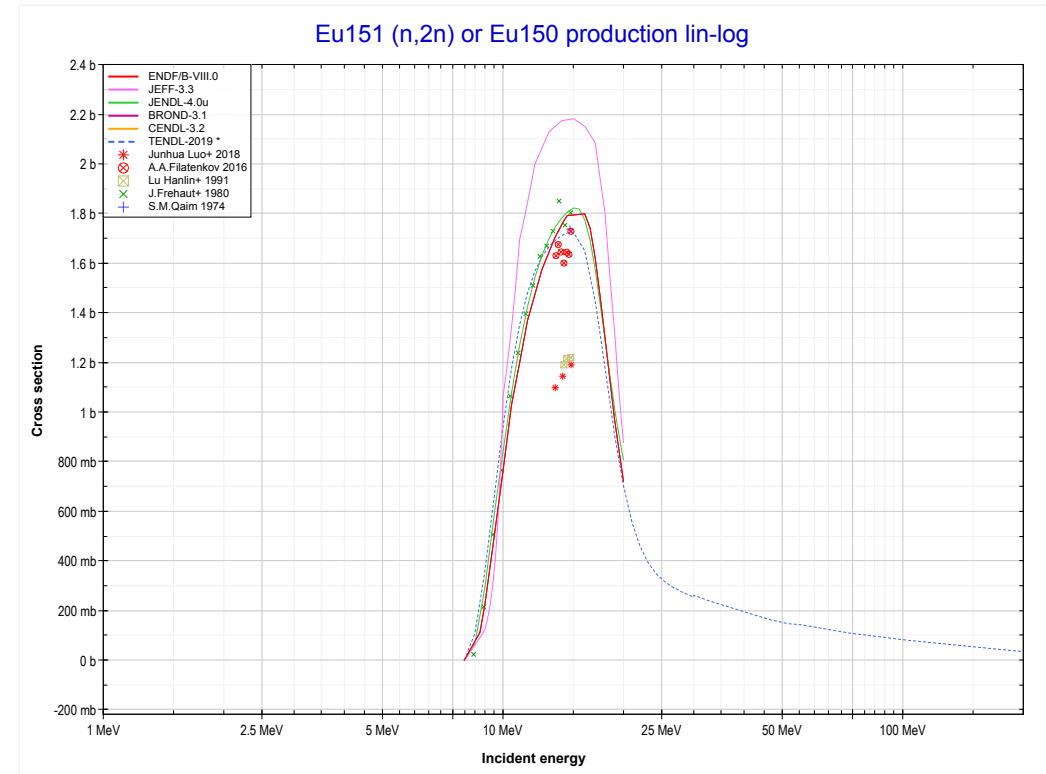
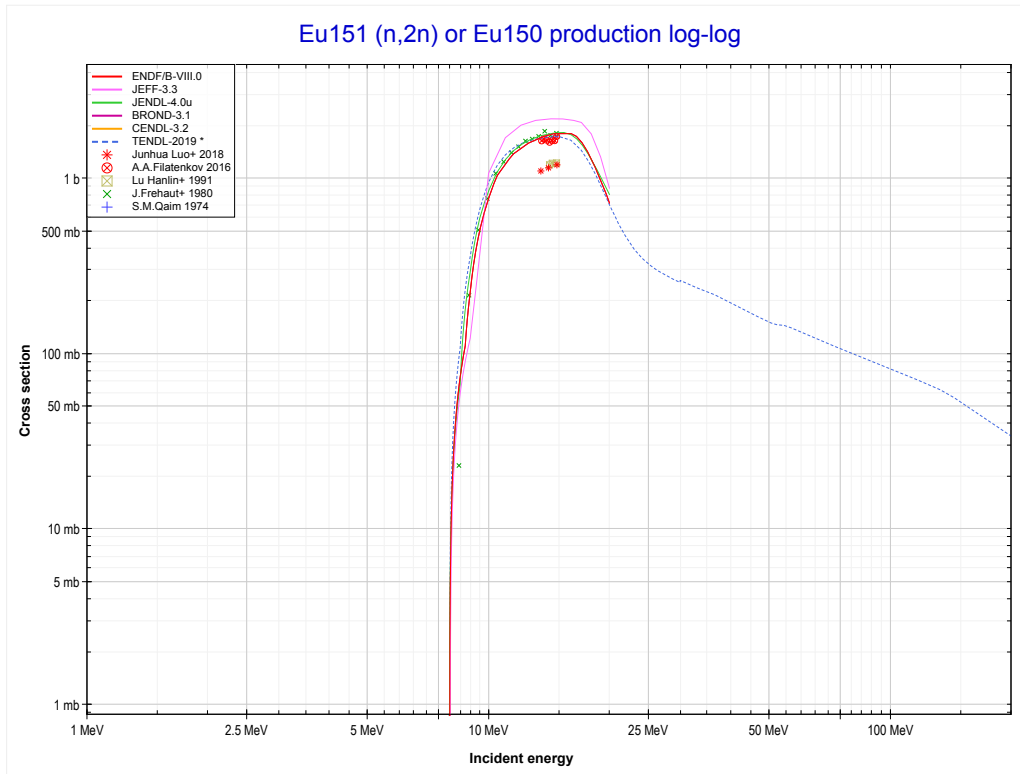
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9189.51 b | 9189.51 b | 8689.7 b | 0.94561 | 3530.32 b | 6.92081 b | 5.1526 b |
| JEFF-3.3 | 9169.87 b | 9169.87 b | 8261.2 b | 0.9009 | 3608.54 b | 7.03356 b | 5.12993 b |
| JENDL-4.0u | 9170.4 b | 9170.4 b | 8262.3 b | 0.90097 | 3367.28 b | 6.54224 b | 5.2318 b |
| BROND-3.1 | 9170.59 b | 9170.59 b | 8261.3 b | 0.90084 | 3537.31 b | 6.92081 b | 5.1526 b |
| CENDL-3.2 | 9186.99 b | 9186.99 b | 8684.9 b | 0.94534 | 3523.93 b | 6.92028 b | 5.15233 b |
| TENDL-2019 | 9177.79 b | 9177.79 b | 8257.9 b | 0.89977 | 3879.07 b | 6.18681 b | 5.04743 b |

| | | |
|------------------|------------------------|----------------|
| << 62-Sm-154 | 63-Eu-151 | 63-Eu-153 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



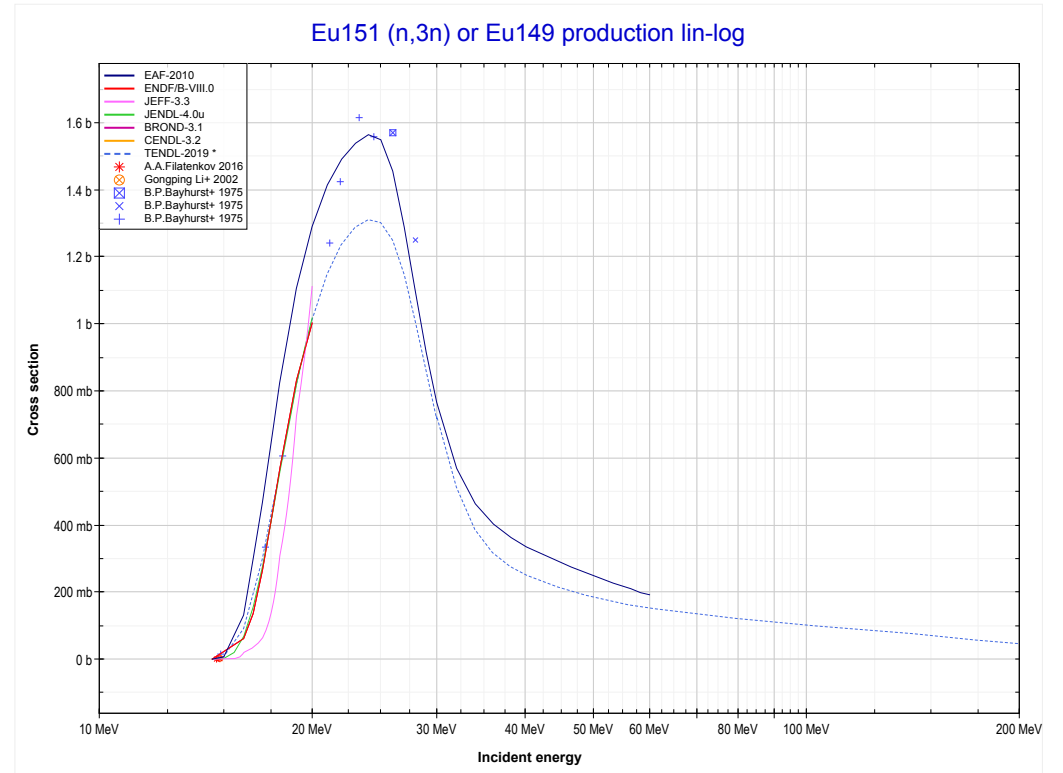
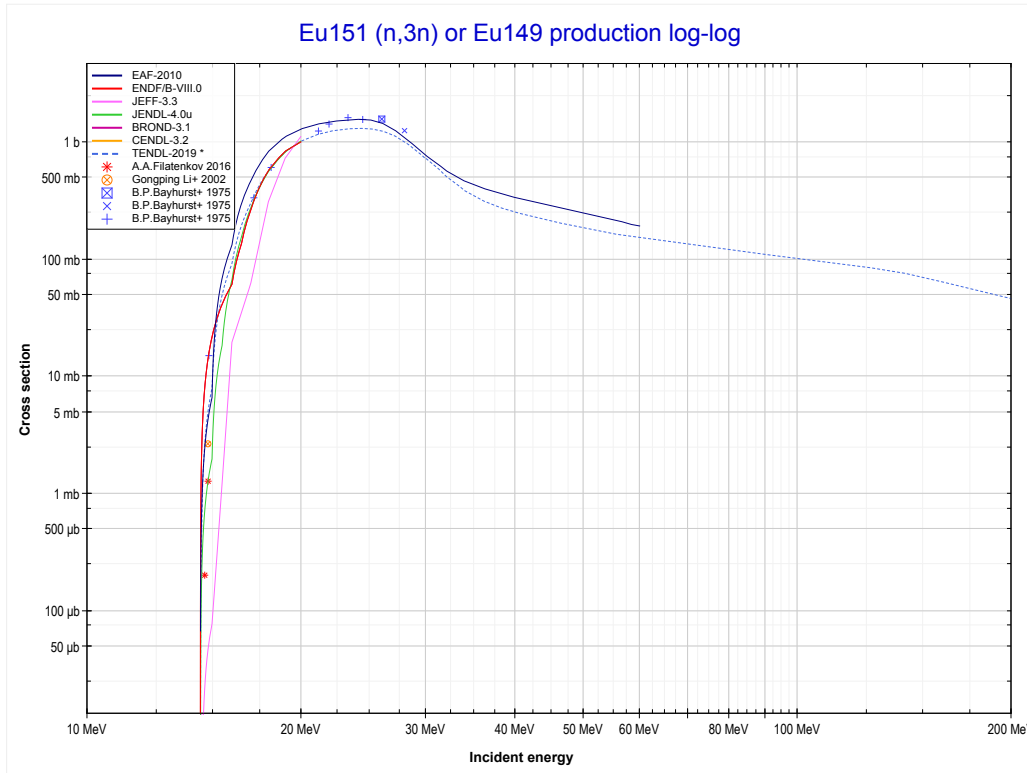
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.70945 b | 4.70945 b | 4.2169 b | 0.89541 | 235.329 b | 4.11674 b | 2.80925 b |
| JEFF-3.3 | 3.3937 b | 3.3937 b | 3.1804 b | 0.93714 | 251.542 b | 4.44537 b | 2.84738 b |
| JENDL-4.0u | 3.20242 b | 3.20242 b | 3.0239 b | 0.94424 | 221.735 b | 3.72888 b | 2.98339 b |
| BROND-3.1 | 2.72066 b | 2.72066 b | 2.5283 b | 0.92929 | 233.891 b | 4.11674 b | 2.80925 b |
| CENDL-3.2 | 4.70923 b | 4.70923 b | 4.2164 b | 0.89535 | 235.209 b | 4.1158 b | 2.80925 b |
| TENDL-2019 | 4.03882 b | 4.03882 b | 4.2933 b | 1.06301 | 163.158 b | 3.58798 b | 2.74025 b |

| | | |
|--------------------|--|----------------|
| << 62-Sm-154 | 63-Eu-151 | 63-Eu-153 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Eu150 production) | MT17 (n,3n) >> |



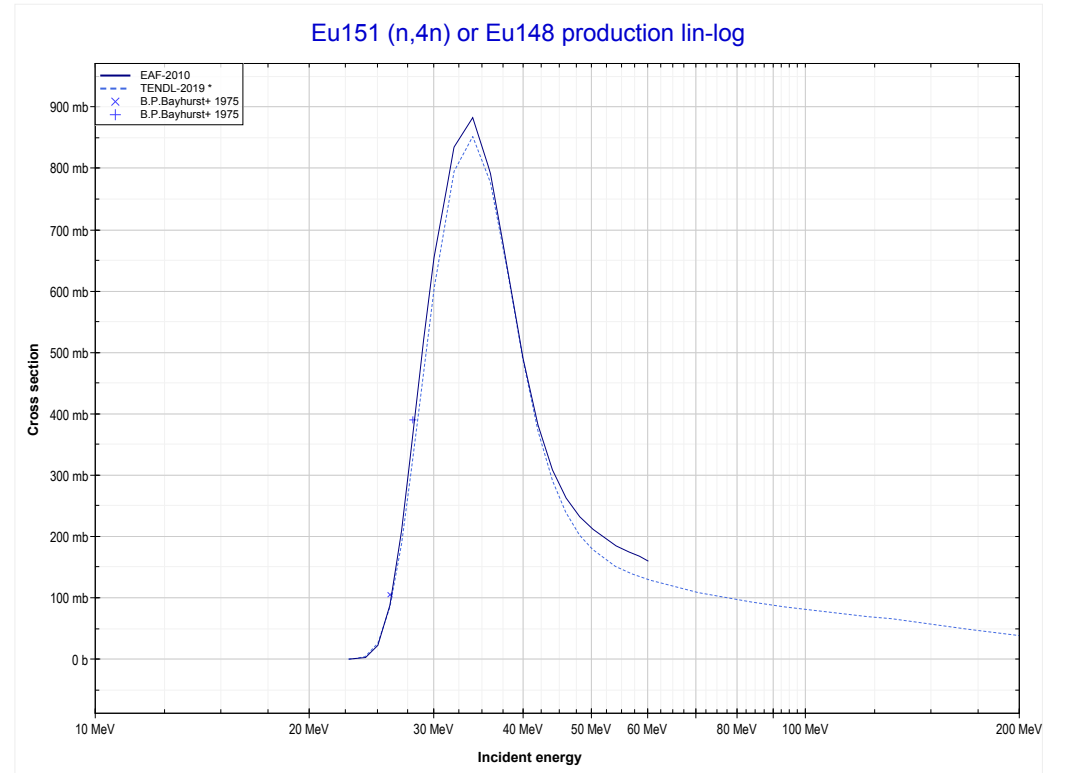
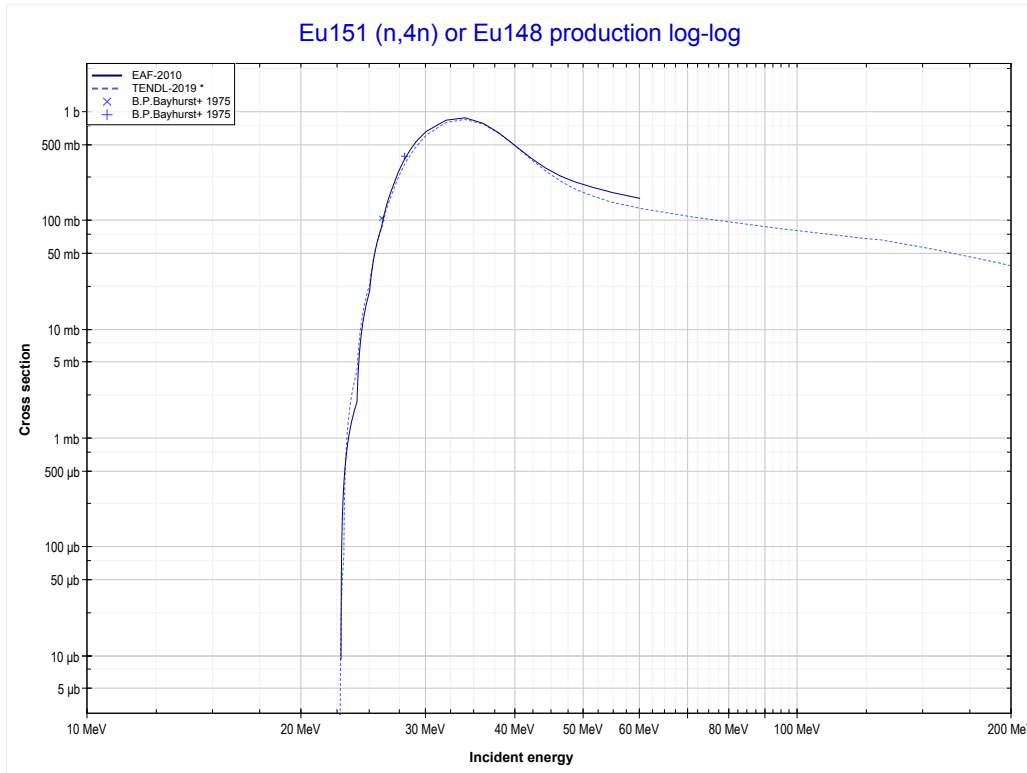
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00364234 b | 1.7538 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00421316 b | 2.174 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00398694 b | 1.78146 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00364234 b | 1.7538 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00364234 b | 1.7538 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00437535 b | 1.71104 b |

| | | |
|----------------|--|----------------|
| << 62-Sm-154 | 63-Eu-151 | 64-Gd-160 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Eu149 production) | MT37 (n,4n) >> |



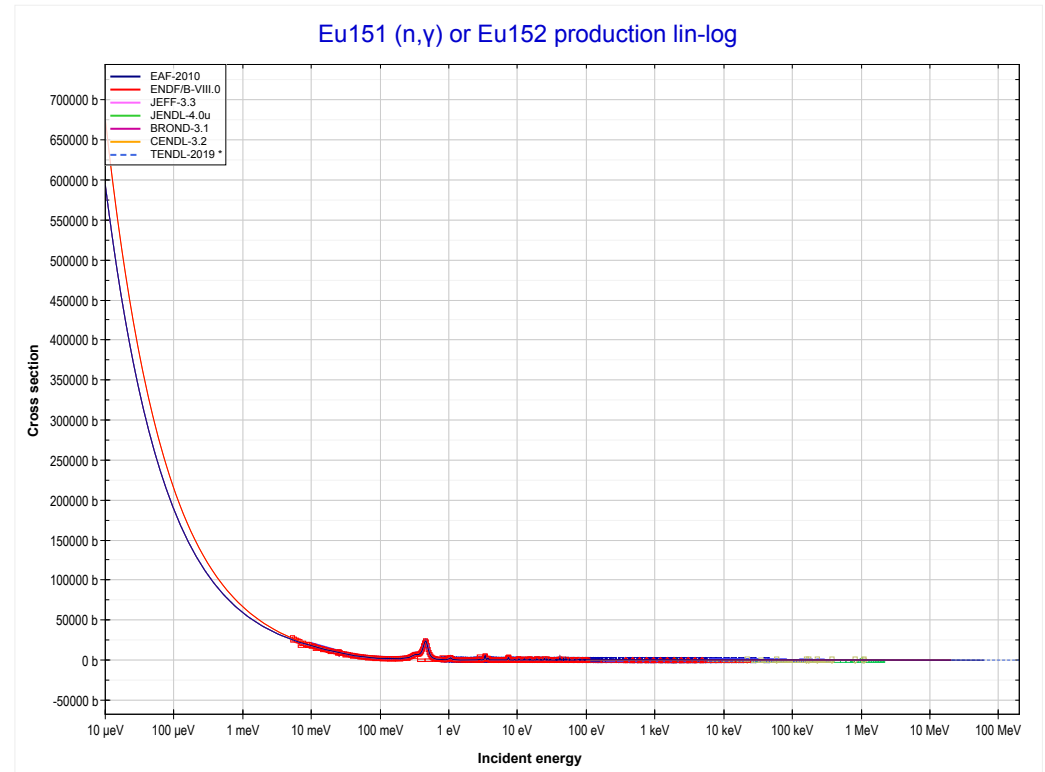
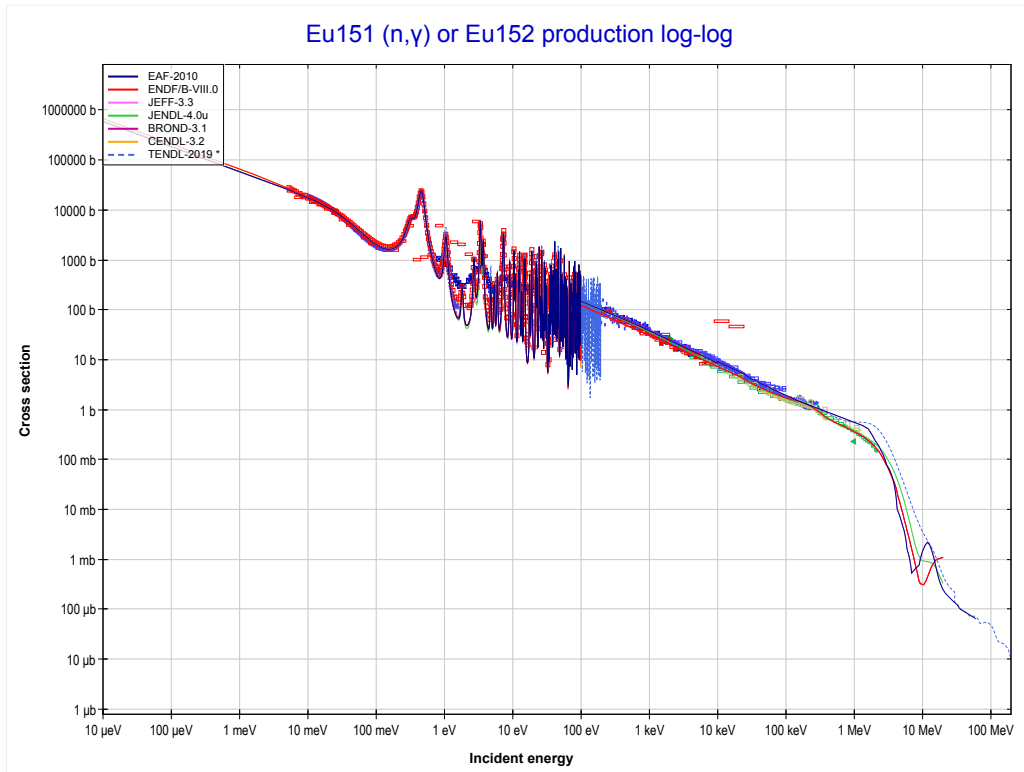
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59028E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02806E-5 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.74592E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.6873E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02806E-5 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02806E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.106E-5 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 53-I-129 | 63-Eu-151 | 69-Tm-169 >> |
| << MT17 (n,3n) | MT37 (n,4n) or MT5 (Eu148 production) | MT102 (n, γ) >> |



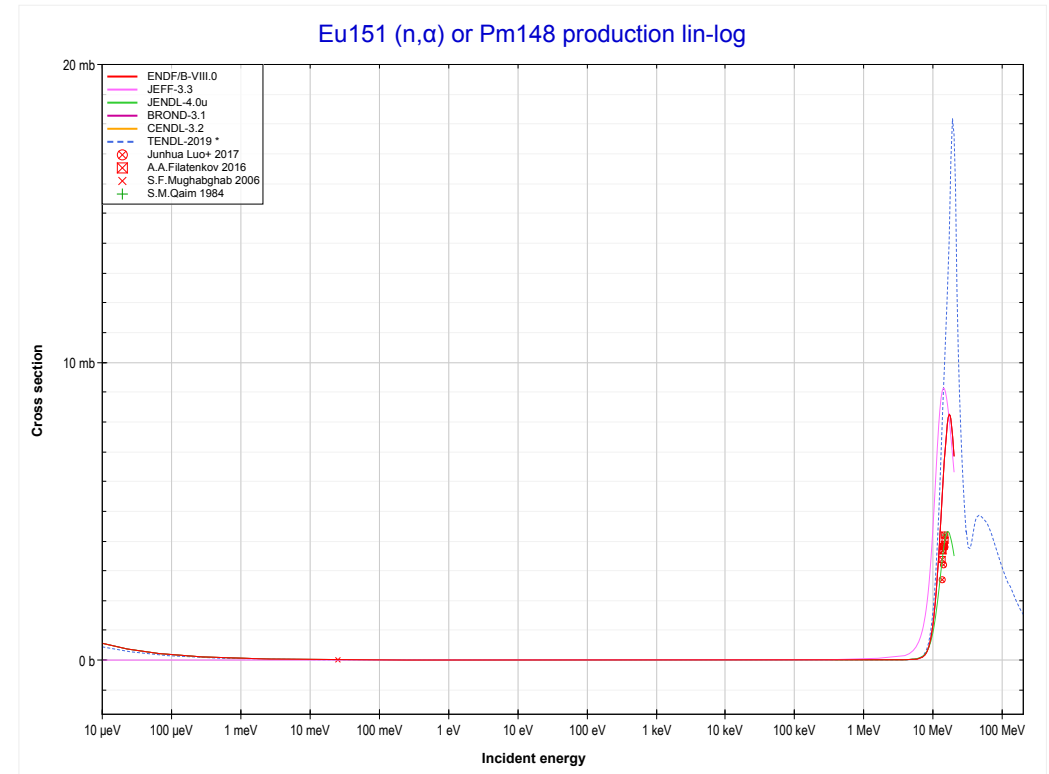
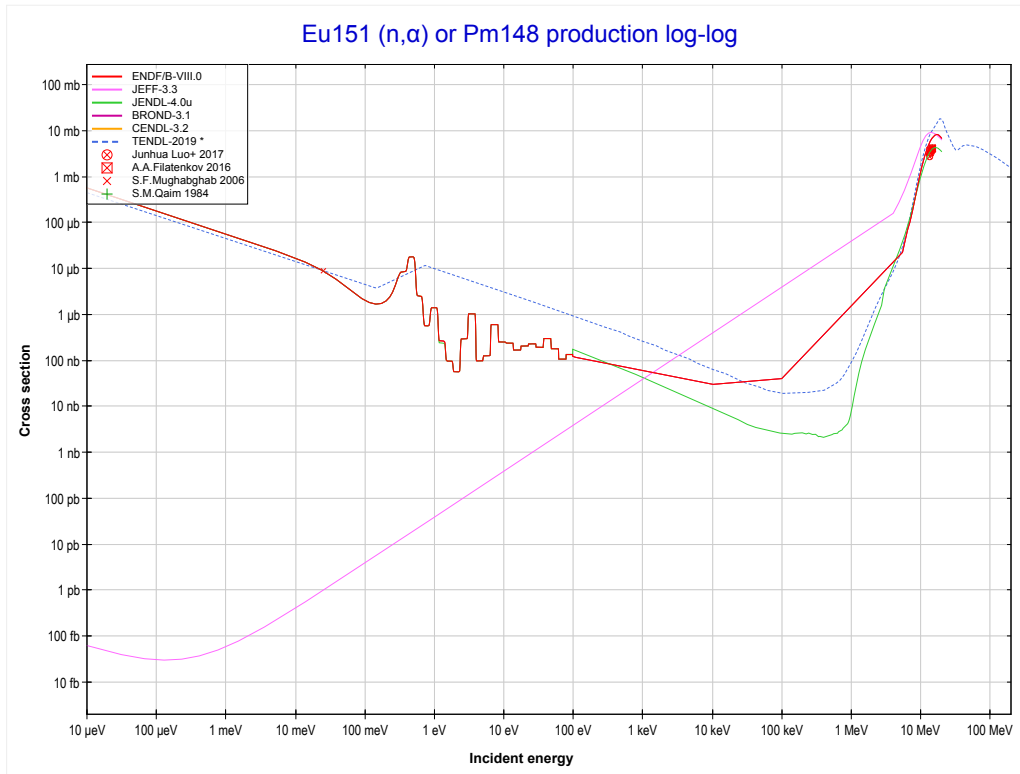
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 62-Sm-154 | 63-Eu-151 | 63-Eu-152 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Eu152 production) | MT107 (n, α) >> |



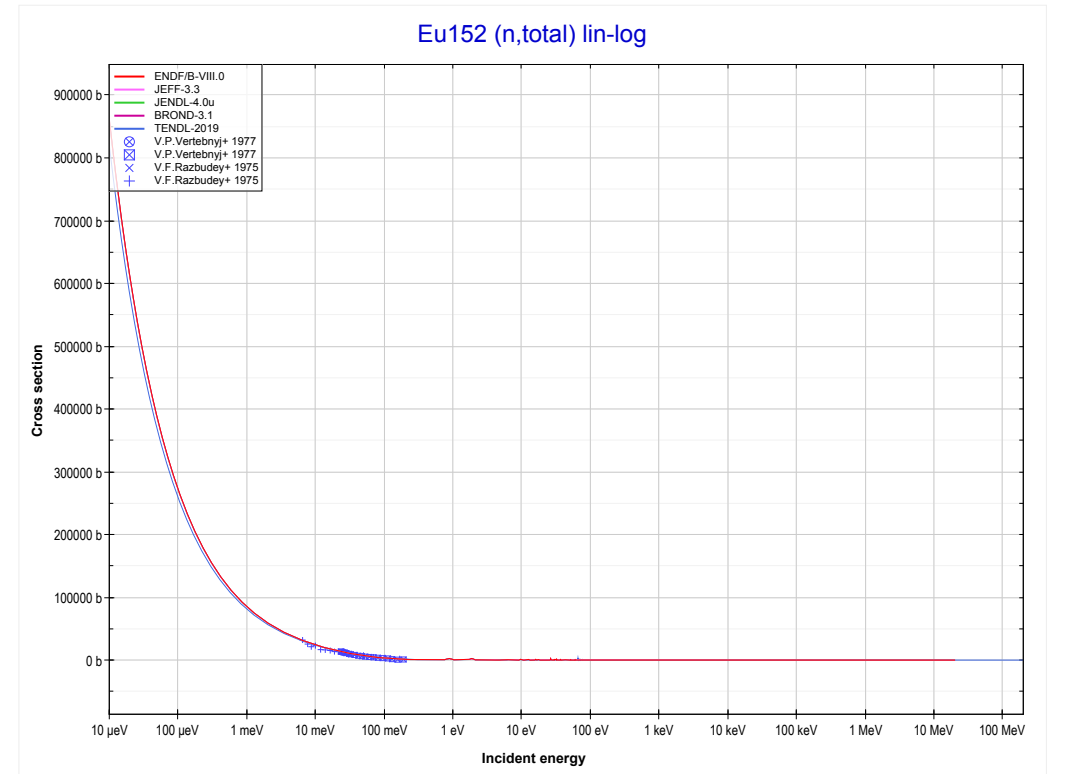
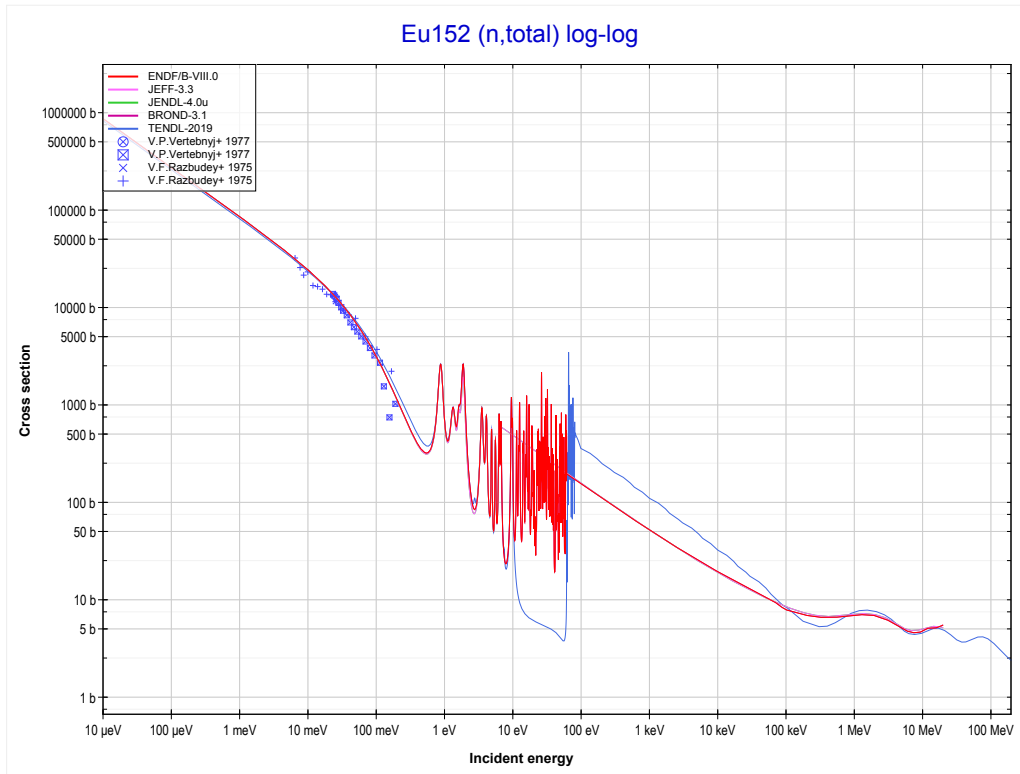
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9176.49 b | 9164.48 b | 8248.4 b | 0.89954 | 3351.16 b | 0.46147 b | 0.0014 b |
| ENDF/B-VIII.0 | 9184.8 b | 9184.8 b | 8685.5 b | 0.94564 | 3294.44 b | 0.349181 b | 7.59555E-4 b |
| JEFF-3.3 | 9166.48 b | 9166.48 b | 8258 b | 0.90089 | 3356.11 b | 0.461383 b | 0.0014 b |
| JENDL-4.0u | 9167.2 b | 9167.2 b | 8259.2 b | 0.90096 | 3144.71 b | 0.360164 b | 8.30389E-4 b |
| BROND-3.1 | 9167.87 b | 9167.87 b | 8258.7 b | 0.90083 | 3302.86 b | 0.349181 b | 7.59555E-4 b |
| CENDL-3.2 | 9182.29 b | 9182.29 b | 8680.6 b | 0.94537 | 3288.17 b | 0.349233 b | 7.59555E-4 b |
| TENDL-2019 | 9173.75 b | 9173.75 b | 8253.6 b | 0.8997 | 3715.49 b | 0.535986 b | 0.001648 b |

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|-------------------------|--|----------------------------|
| << 62-Sm-154 | 63-Eu-151 | 63-Eu-153 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Pm148 production) | 63-Eu-152 MT1 (n,total) >> |



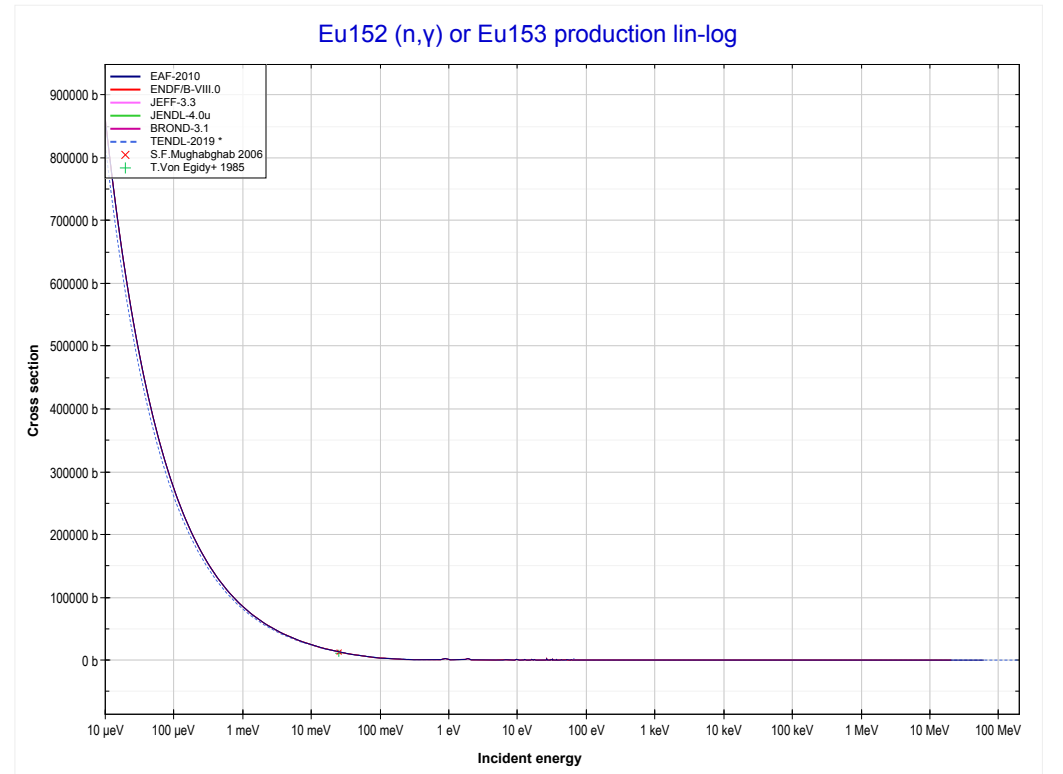
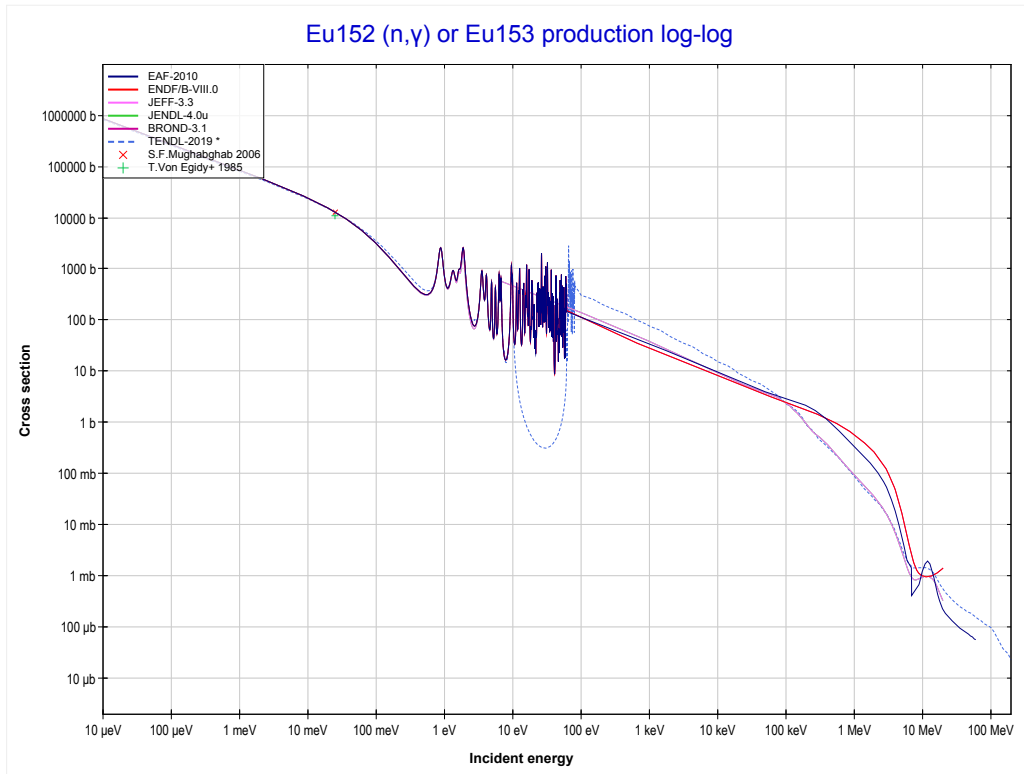
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 8.77151E-6 b | 8.77151E-6 b | 7.9366E-6 b | 0.90481 | 3.7408E-6 b | 1.58782E-5 b | 0.00617175 b |
| JEFF-3.3 | 9.98645E-13 b | 9.98645E-13 b | 2.2319E-12 b | 2.23497 | 3.87098E-6 b | 1.2763E-4 b | 0.009137 b |
| JENDL-4.0u | 8.77151E-6 b | 8.77151E-6 b | 7.9365E-6 b | 0.9048 | 3.63379E-6 b | 1.21679E-5 b | 0.00368309 b |
| BROND-3.1 | 8.77151E-6 b | 8.77151E-6 b | 7.9364E-6 b | 0.90479 | 3.7403E-6 b | 1.58782E-5 b | 0.00617175 b |
| CENDL-3.2 | 8.76839E-6 b | 8.76839E-6 b | 7.9319E-6 b | 0.9046 | 3.74265E-6 b | 1.58603E-5 b | 0.00616758 b |
| TENDL-2019 | 8.88246E-6 b | 8.88246E-6 b | 8.8978E-6 b | 1.00173 | 2.67471E-5 b | 1.77379E-5 b | 0.00896734 b |

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|-----------------------------------|----------------------|-------------------------|
| << 63-Eu-151 | 63-Eu-152 | 63-Eu-152m >> |
| << 63-Eu-151 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



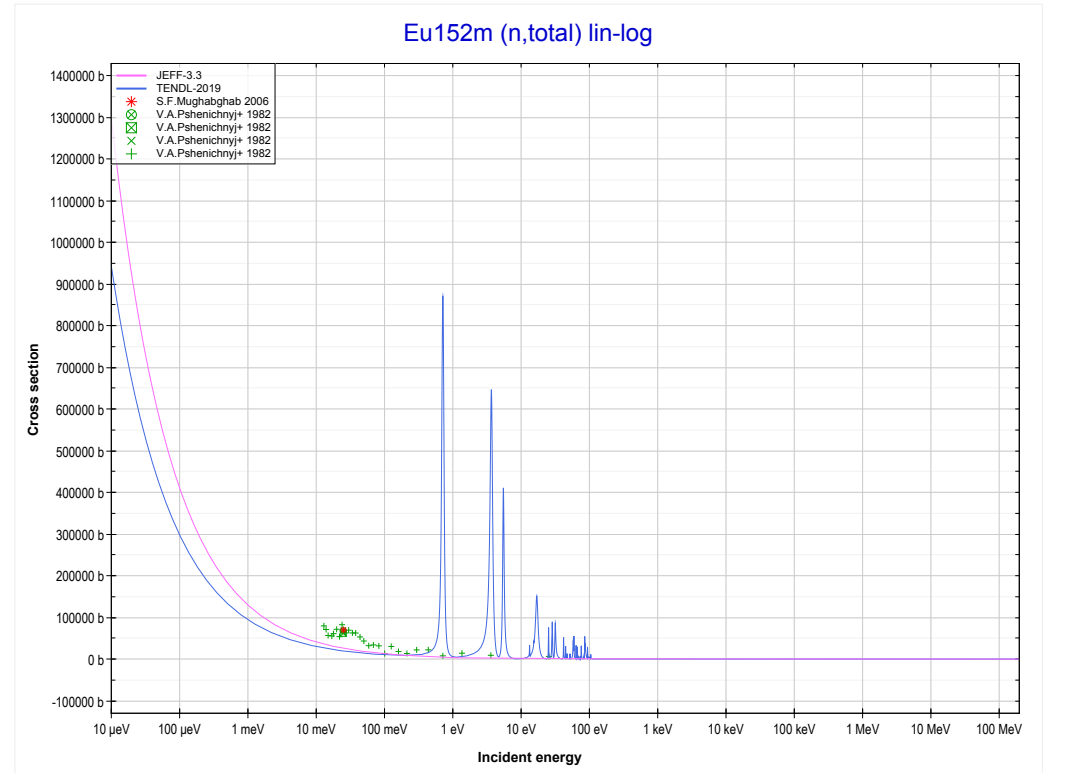
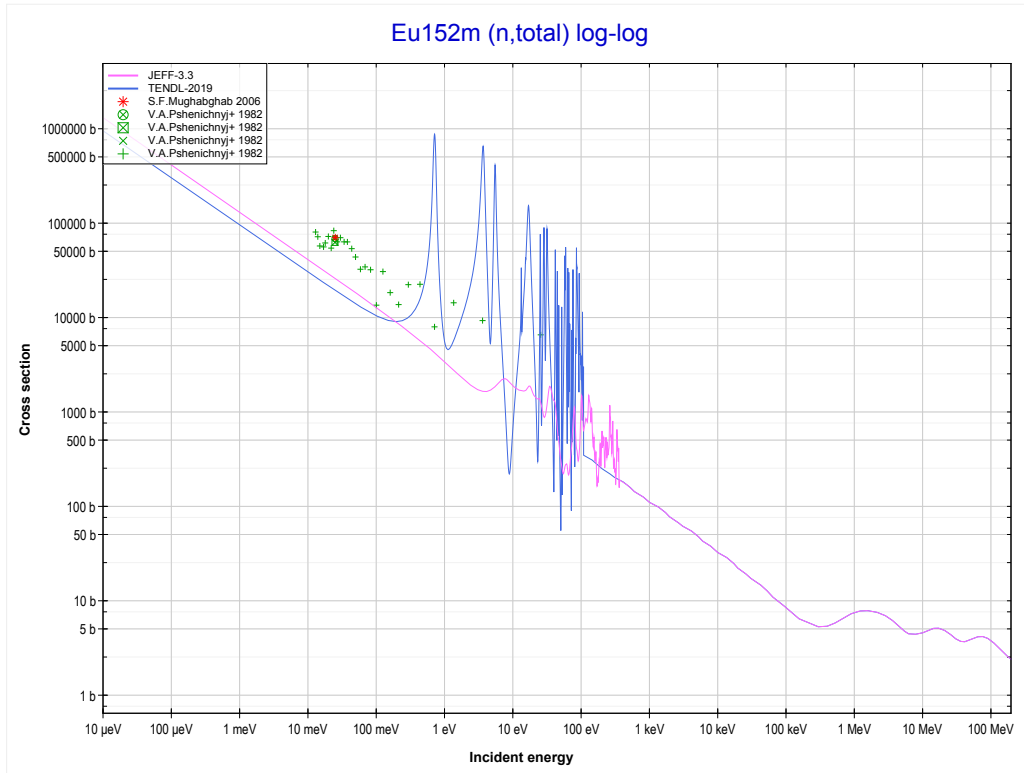
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12819.4 b | 12819.4 b | 11867 b | 0.92571 | 2505.93 b | 6.54272 b | 5.06421 b |
| JEFF-3.3 | 12780 b | 12780 b | 11829 b | 0.92556 | 2691.79 b | 6.73824 b | 5.27633 b |
| JENDL-4.0u | 12780 b | 12780 b | 11829 b | 0.92556 | 2691.79 b | 6.73824 b | 5.27633 b |
| BROND-3.1 | 12819.4 b | 12819.4 b | 11867 b | 0.92571 | 2505.93 b | 6.54272 b | 5.06421 b |
| TENDL-2019 | 12781.4 b | 12781.4 b | 11923 b | 0.93283 | 2636.19 b | 6.82271 b | 5.00161 b |

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|------------------|--|-----------------------------|
| << 63-Eu-151 | 63-Eu-152 | 63-Eu-152m >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Eu153 production) | 63-Eu-152m MT1 (n,total) >> |



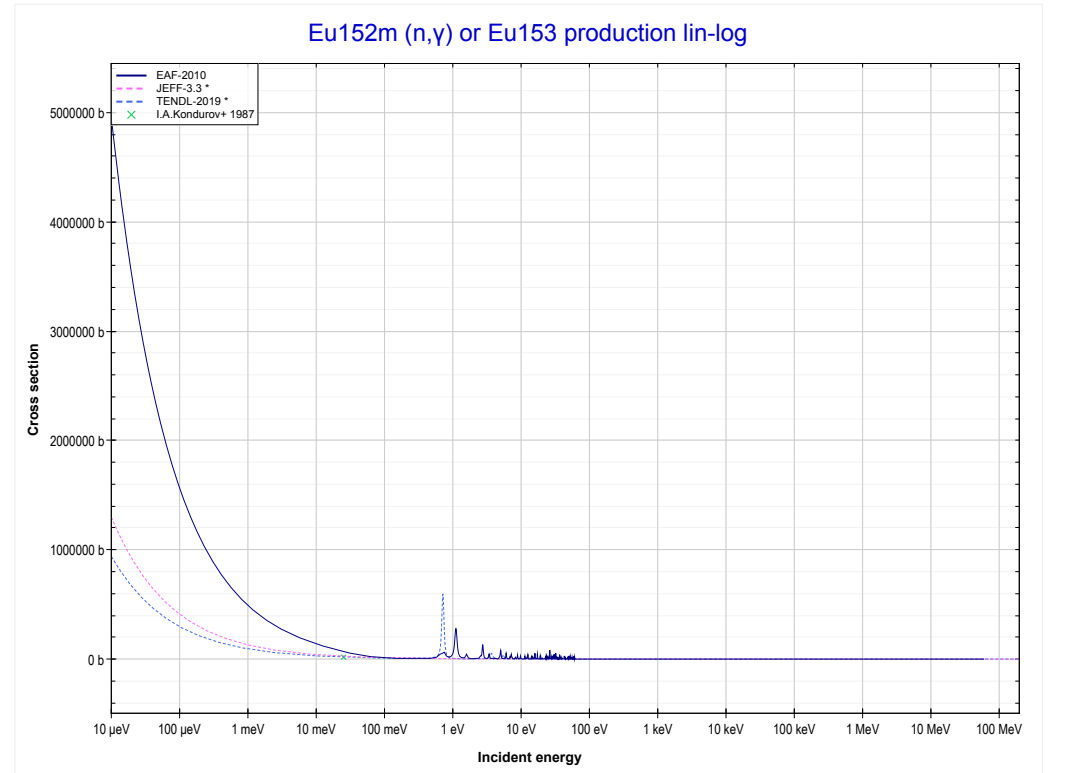
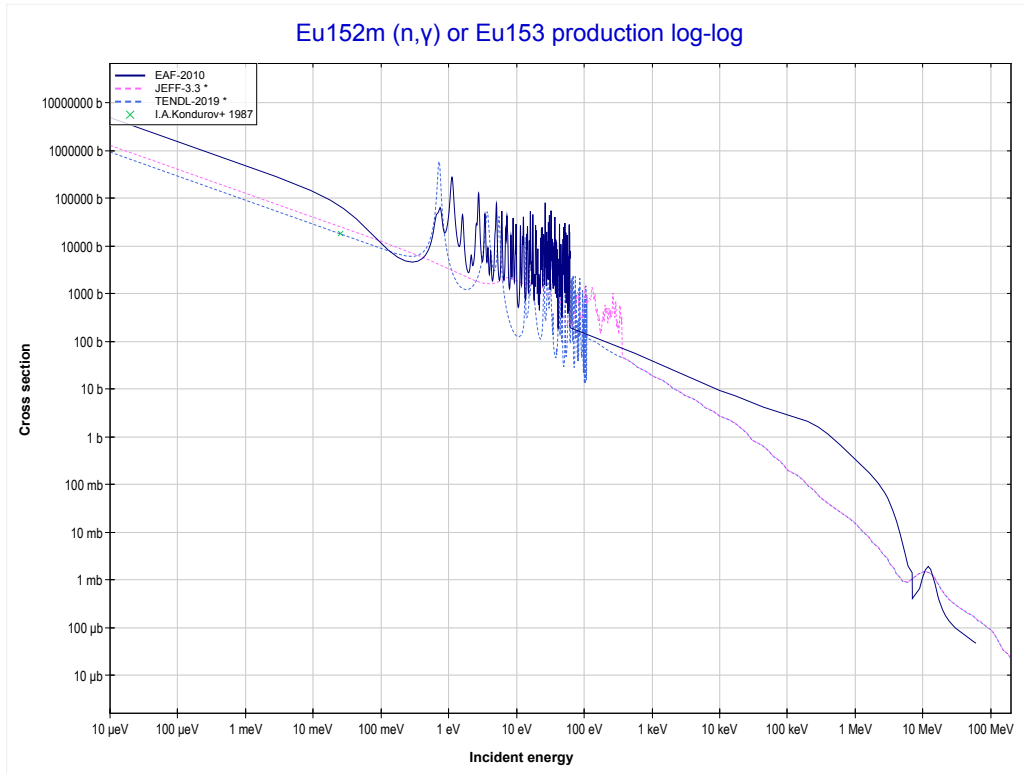
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 12802.4 b | 12786.8 b | 11831 b | 0.92481 | 2321.72 b | 0.433871 b | 0.00120333 b |
| ENDF/B-VIII.0 | 12795.9 b | 12795.9 b | 11843 b | 0.92556 | 2305.55 b | 0.526411 b | 0.00100142 b |
| JEFF-3.3 | 12750.9 b | 12750.9 b | 11799 b | 0.92537 | 2539.21 b | 0.19296 b | 8.75599E-4 b |
| JENDL-4.0u | 12750.9 b | 12750.9 b | 11799 b | 0.92537 | 2539.21 b | 0.19296 b | 8.75599E-4 b |
| BROND-3.1 | 12795.9 b | 12795.9 b | 11843 b | 0.92556 | 2305.55 b | 0.526411 b | 0.00100142 b |
| TENDL-2019 | 12753.6 b | 12753.6 b | 11895 b | 0.93268 | 2397.09 b | 0.210025 b | 0.00120539 b |

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|-----------------------------------|----------------------|-------------------------|
| << 63-Eu-152 | 63-Eu-152m | 63-Eu-153 >> |
| << 63-Eu-152 MT102 (n, γ) | MT1 (n,total) | MT102 (n, γ) >> |



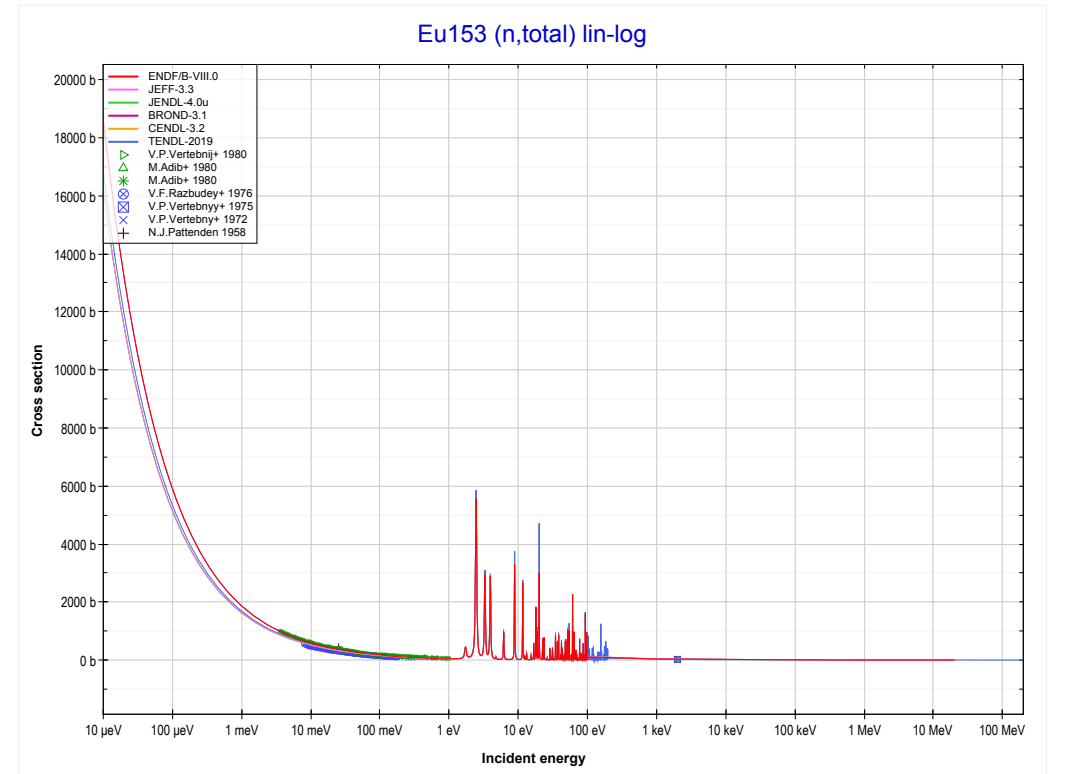
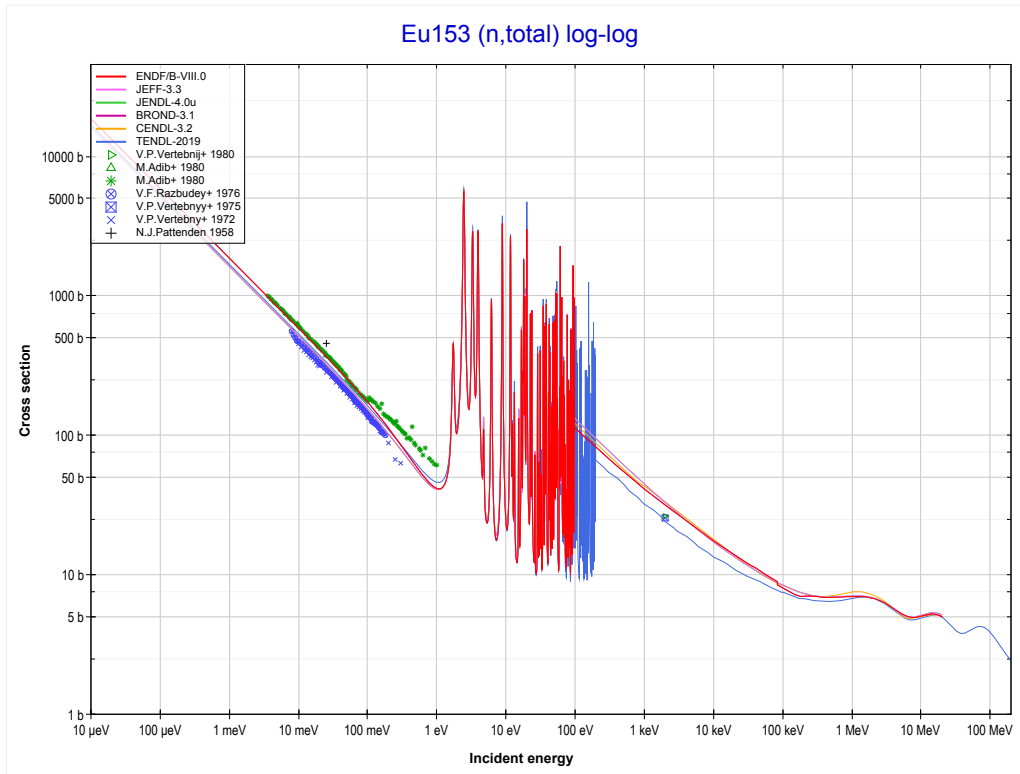
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 25699.3 b | 25699.3 b | 25641 b | 0.99775 | 11546.4 b | 6.82548 b | 5.00161 b |
| TENDL-2019 | 19174.1 b | 19174.1 b | 19429 b | 1.01329 | 280636 b | 6.82383 b | 5.00162 b |

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|------------------|--|----------------------------|
| << 63-Eu-152 | 63-Eu-152m | 63-Eu-153 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Eu153 production) | 63-Eu-153 MT1 (n,total) >> |



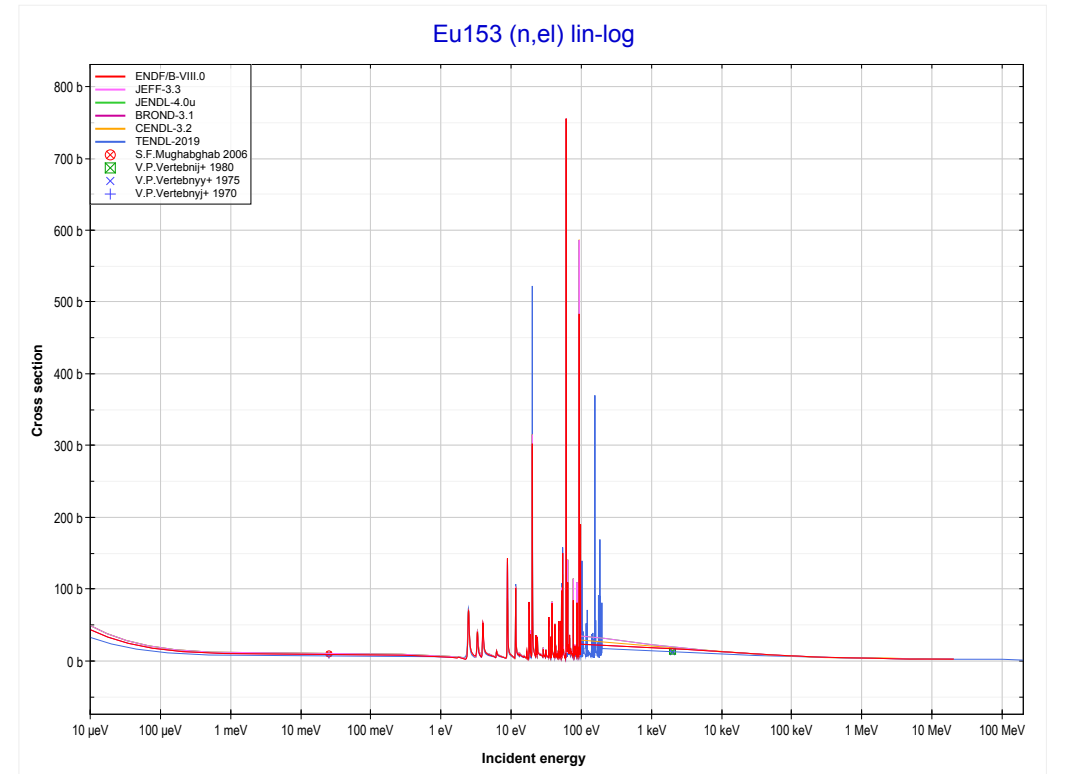
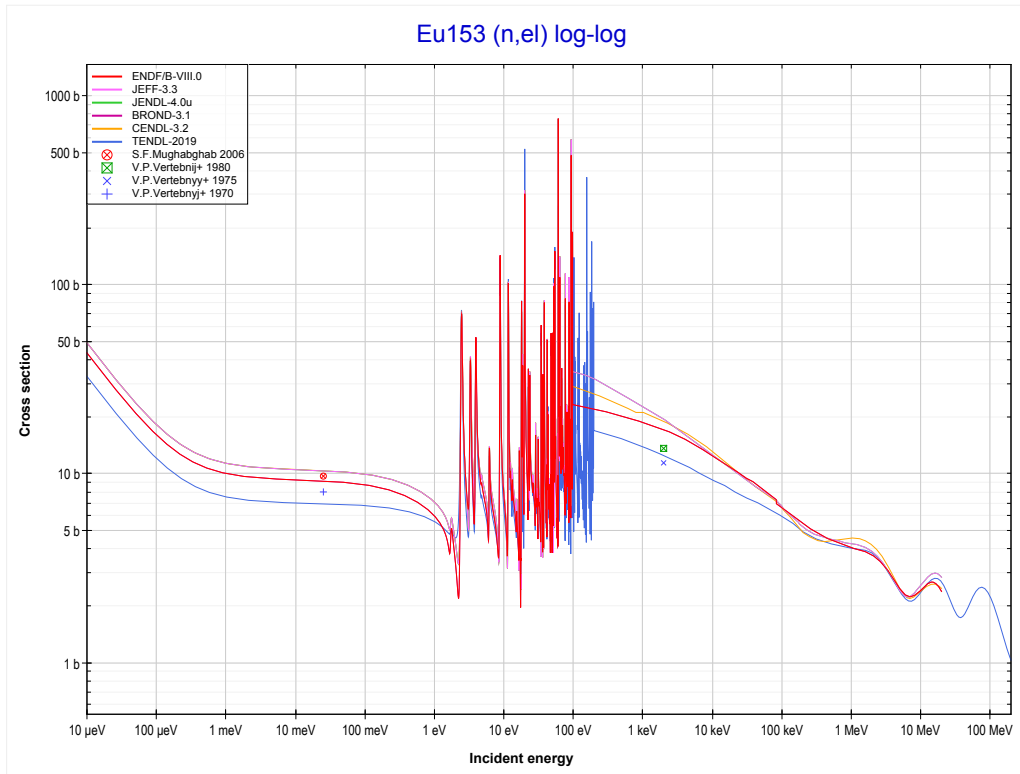
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 68000 b | 67903.7 b | 60936 b | 0.89678 | 98555.7 b | 0.434185 b | 0.00120333 b |
| JEFF-3.3 | 25689.8 b | 25689.8 b | 25631 b | 0.99771 | 11138.9 b | 0.02733 b | 0.00124551 b |
| TENDL-2019 | 18326.7 b | 18326.7 b | 18247 b | 0.99564 | 86937.2 b | 0.0269162 b | 0.00124533 b |

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|------------------------------------|----------------------|--------------------|
| << 63-Eu-152m | 63-Eu-153 | 63-Eu-154 >> |
| << 63-Eu-152m MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



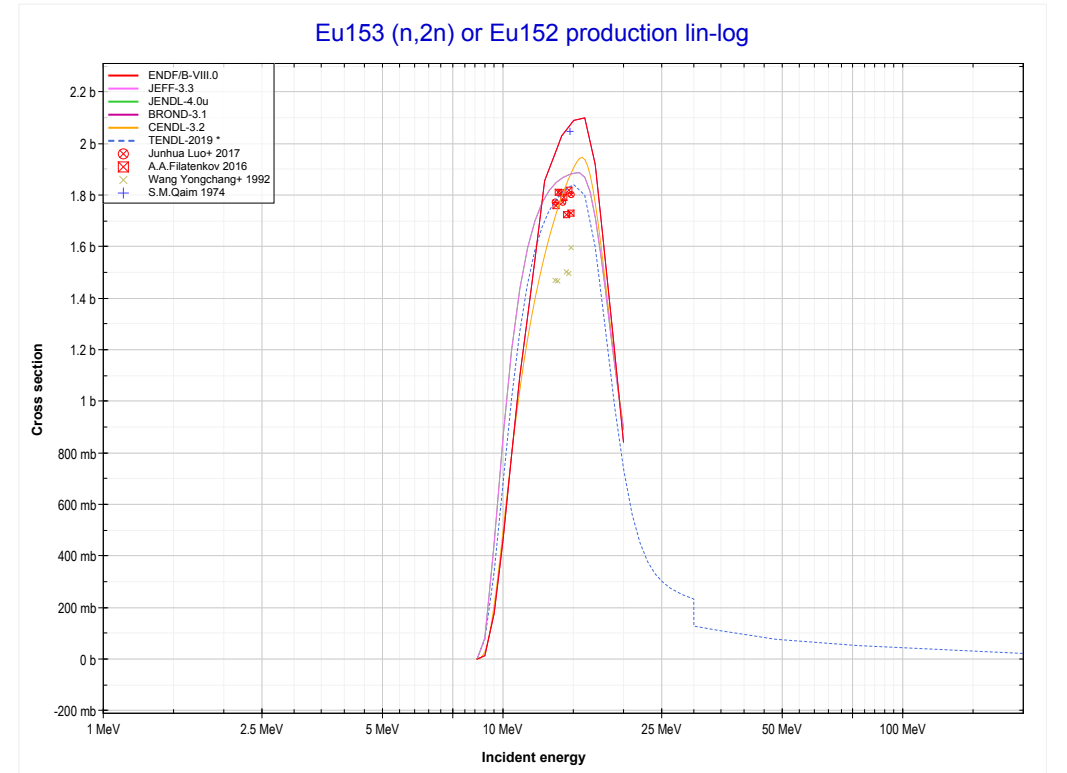
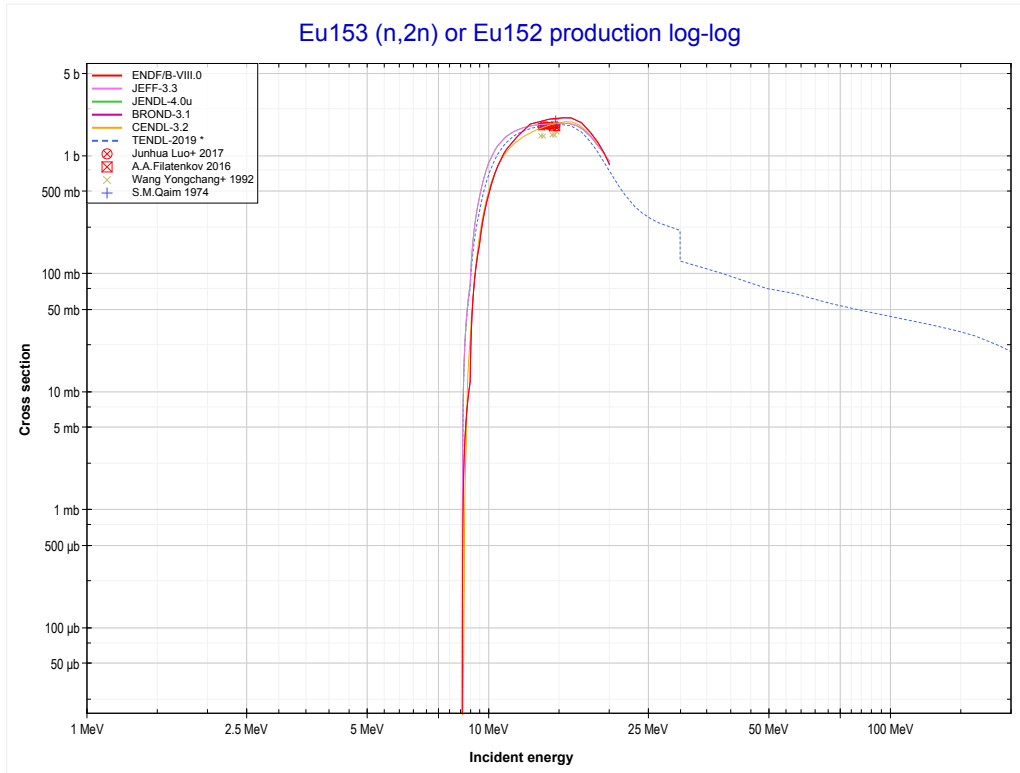
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 367.096 b | 367.096 b | 363.09 b | 0.98908 | 1601.53 b | 6.64216 b | 5.23515 b |
| JEFF-3.3 | 322.98 b | 322.98 b | 320.12 b | 0.99116 | 1617.6 b | 6.68278 b | 5.33998 b |
| JENDL-4.0u | 322.98 b | 322.98 b | 320.12 b | 0.99116 | 1617.6 b | 6.68278 b | 5.33998 b |
| BROND-3.1 | 367.096 b | 367.096 b | 363.09 b | 0.98908 | 1601.53 b | 6.64216 b | 5.23515 b |
| CENDL-3.2 | 322.925 b | 322.925 b | 319.96 b | 0.99082 | 1604.69 b | 6.91579 b | 5.1665 b |
| TENDL-2019 | 334.88 b | 334.88 b | 332.72 b | 0.99356 | 1650.8 b | 6.44637 b | 5.10735 b |

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|------------------|------------------------|----------------|
| << 63-Eu-151 | 63-Eu-153 | 64-Gd-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



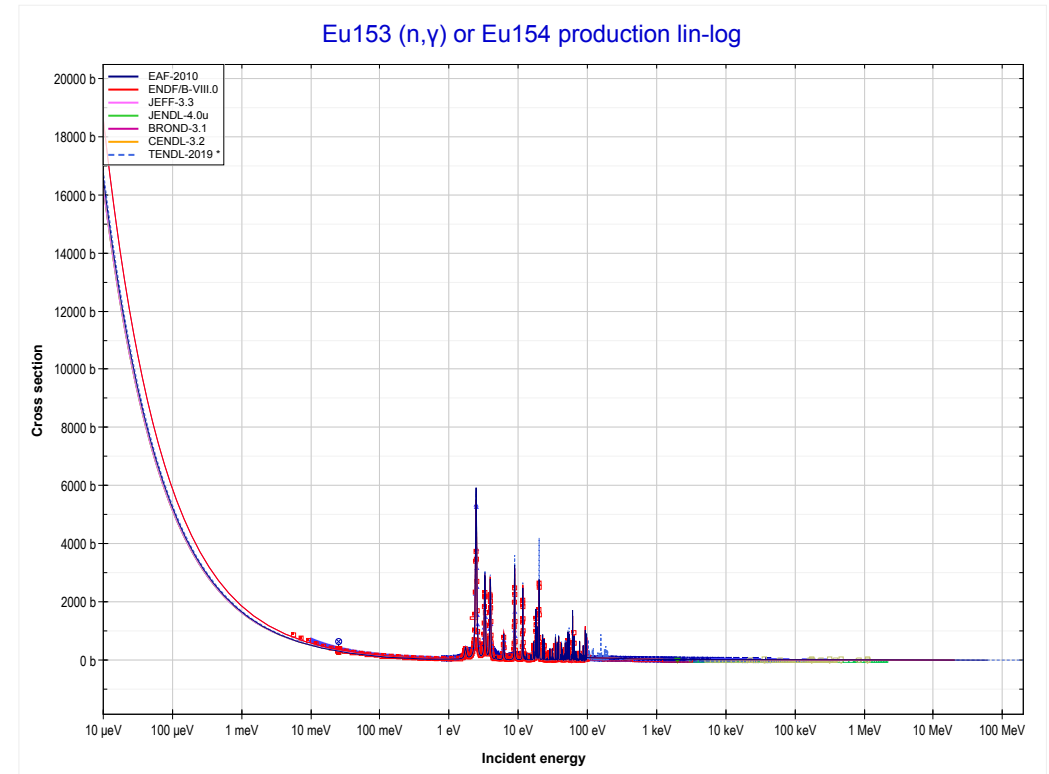
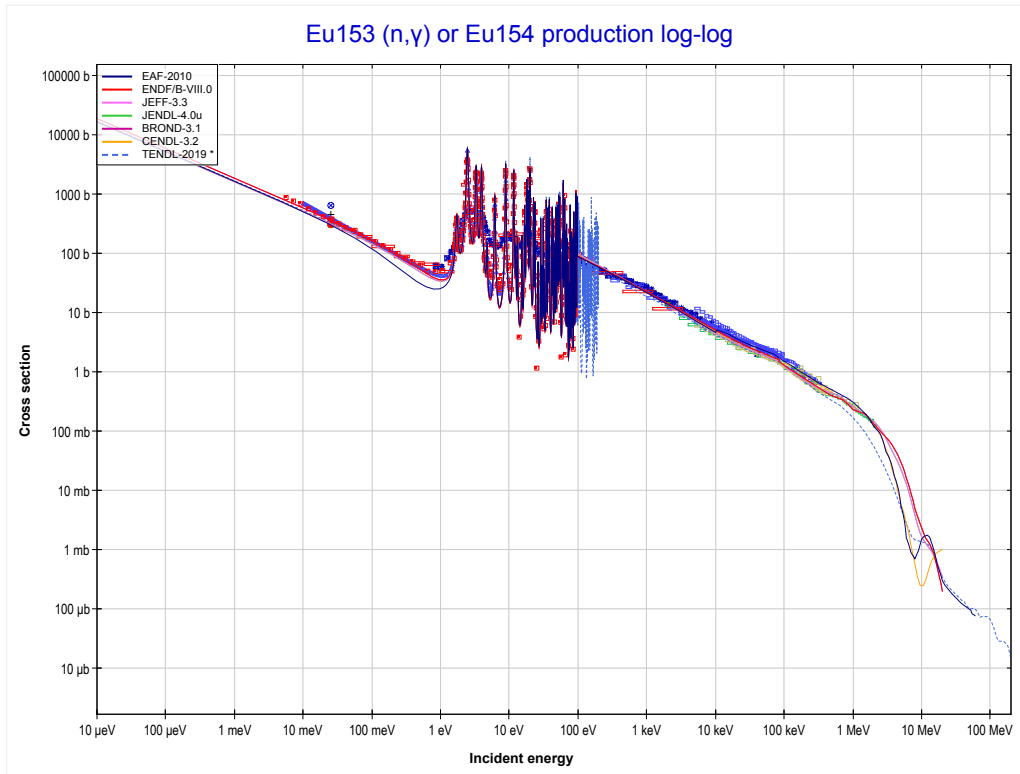
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.13952 b | 9.13952 b | 10.169 b | 1.1126 | 181.81 b | 3.84407 b | 2.66719 b |
| JEFF-3.3 | 10.3622 b | 10.3622 b | 11.545 b | 1.11413 | 205.874 b | 3.92482 b | 2.9256 b |
| JENDL-4.0u | 10.3622 b | 10.3622 b | 11.545 b | 1.11413 | 205.874 b | 3.92482 b | 2.9256 b |
| BROND-3.1 | 9.13952 b | 9.13952 b | 10.169 b | 1.1126 | 181.81 b | 3.84407 b | 2.66719 b |
| CENDL-3.2 | 10.3622 b | 10.3622 b | 11.546 b | 1.1142 | 196.274 b | 4.08572 b | 2.5913 b |
| TENDL-2019 | 6.92852 b | 6.92852 b | 7.7689 b | 1.12129 | 151.769 b | 3.76505 b | 2.72478 b |

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|--------------------|--|-------------------------|
| << 63-Eu-151 | 63-Eu-153 | 64-Gd-152 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Eu152 production) | MT102 (n, γ) >> |



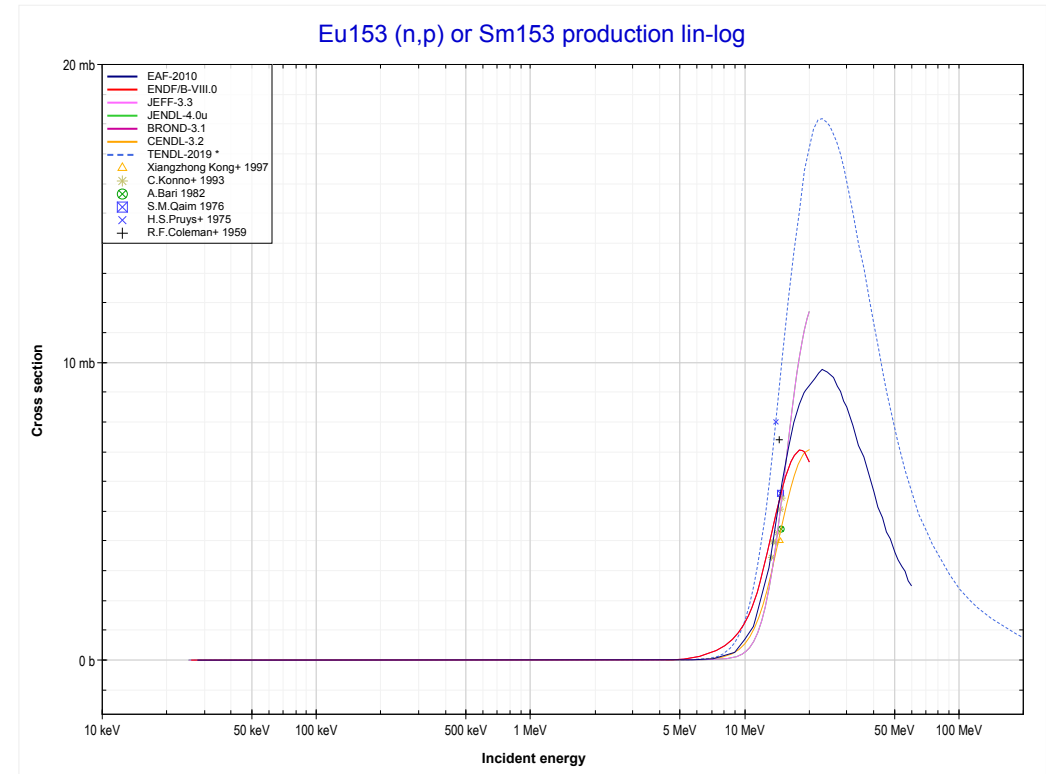
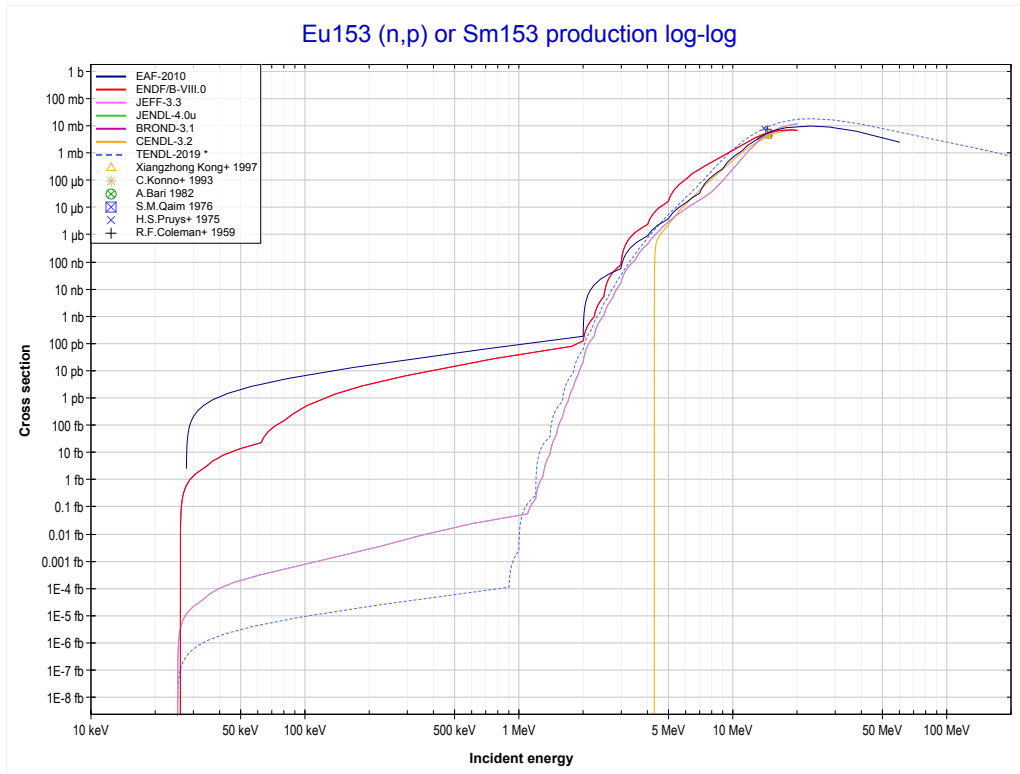
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00266174 b | 2.02864 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00366303 b | 1.86539 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00366303 b | 1.86539 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00266174 b | 2.02864 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00255637 b | 1.7923 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0031859 b | 1.80683 b |

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|----------------|--|----------------|
| << 63-Eu-152m | 63-Eu-153 | 63-Eu-154 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Eu154 production) | MT103 (n,p) >> |



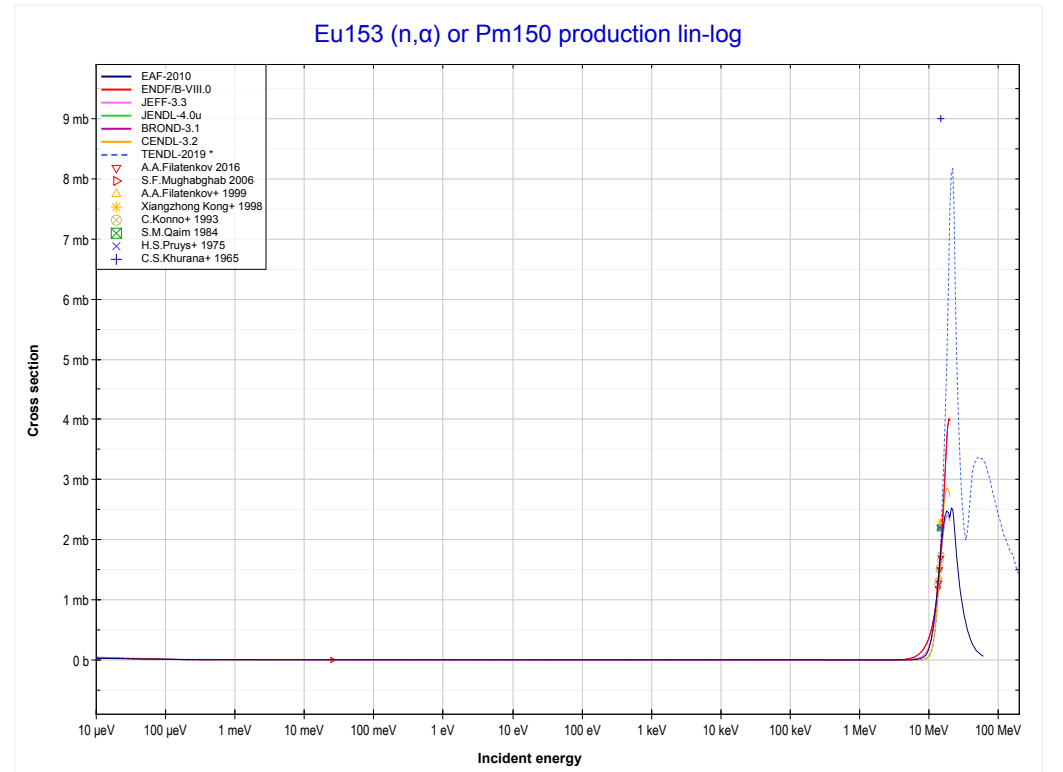
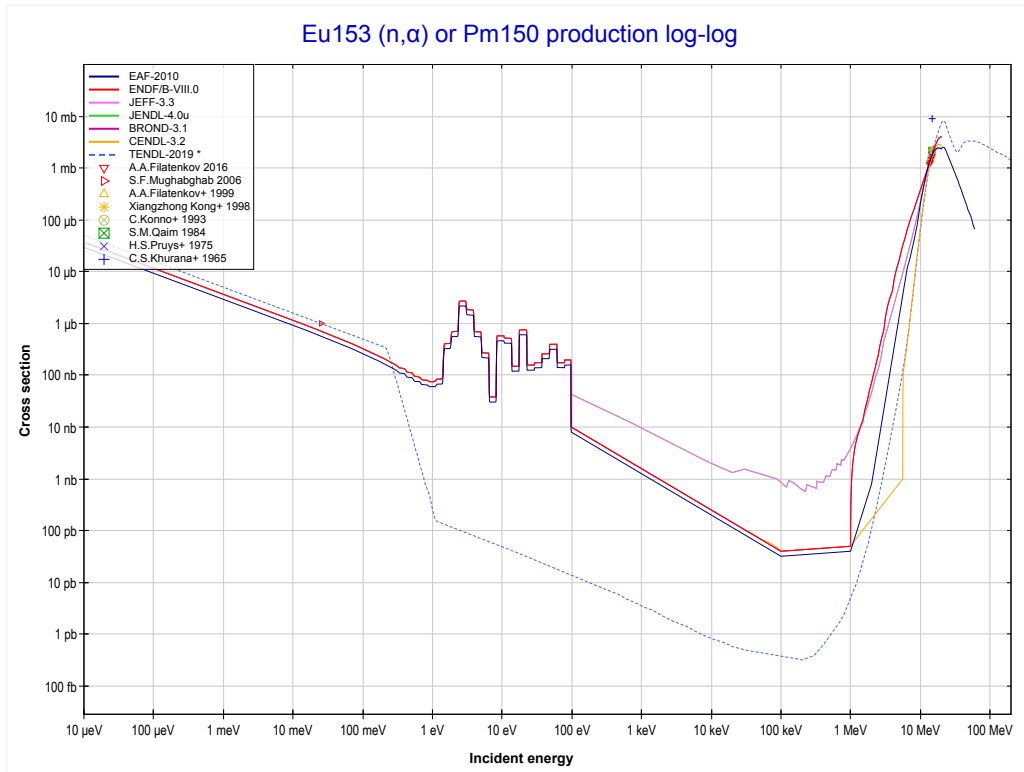
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 299.948 b | 299.682 b | 289.5 b | 0.96588 | 1447.92 b | 0.274381 b | 0.0013 b |
| ENDF/B-VIII.0 | 357.956 b | 357.956 b | 352.92 b | 0.98593 | 1419.71 b | 0.245109 b | 0.00105542 b |
| JEFF-3.3 | 312.618 b | 312.618 b | 308.58 b | 0.98708 | 1411.69 b | 0.247704 b | 9.33215E-4 b |
| JENDL-4.0u | 312.618 b | 312.618 b | 308.58 b | 0.98708 | 1411.69 b | 0.247704 b | 9.33215E-4 b |
| BROND-3.1 | 357.956 b | 357.956 b | 352.92 b | 0.98593 | 1419.71 b | 0.245109 b | 0.00105542 b |
| CENDL-3.2 | 312.563 b | 312.563 b | 308.42 b | 0.98673 | 1408.37 b | 0.253168 b | 6.4331E-4 b |
| TENDL-2019 | 327.951 b | 327.951 b | 324.95 b | 0.99086 | 1499.03 b | 0.176736 b | 9.91555E-4 b |

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|-------------------------|--|-------------------------|
| << 62-Sm-154 | 63-Eu-153 | 64-Gd-156 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Sm153 production) | MT107 (n, α) >> |



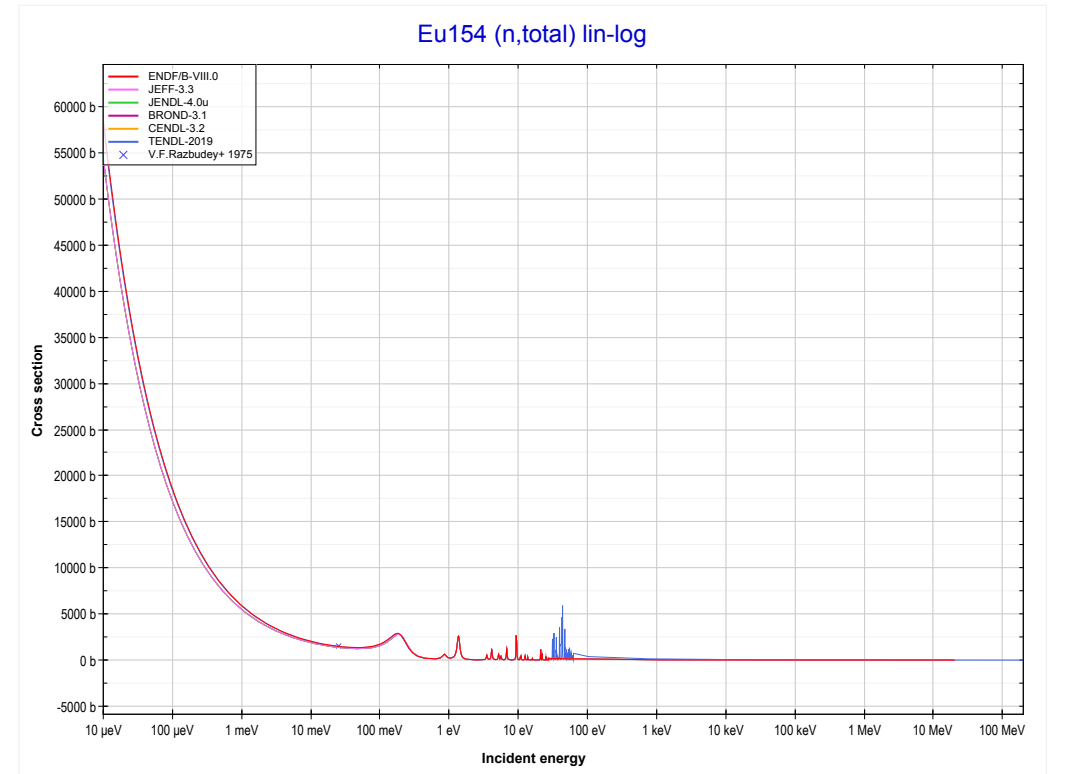
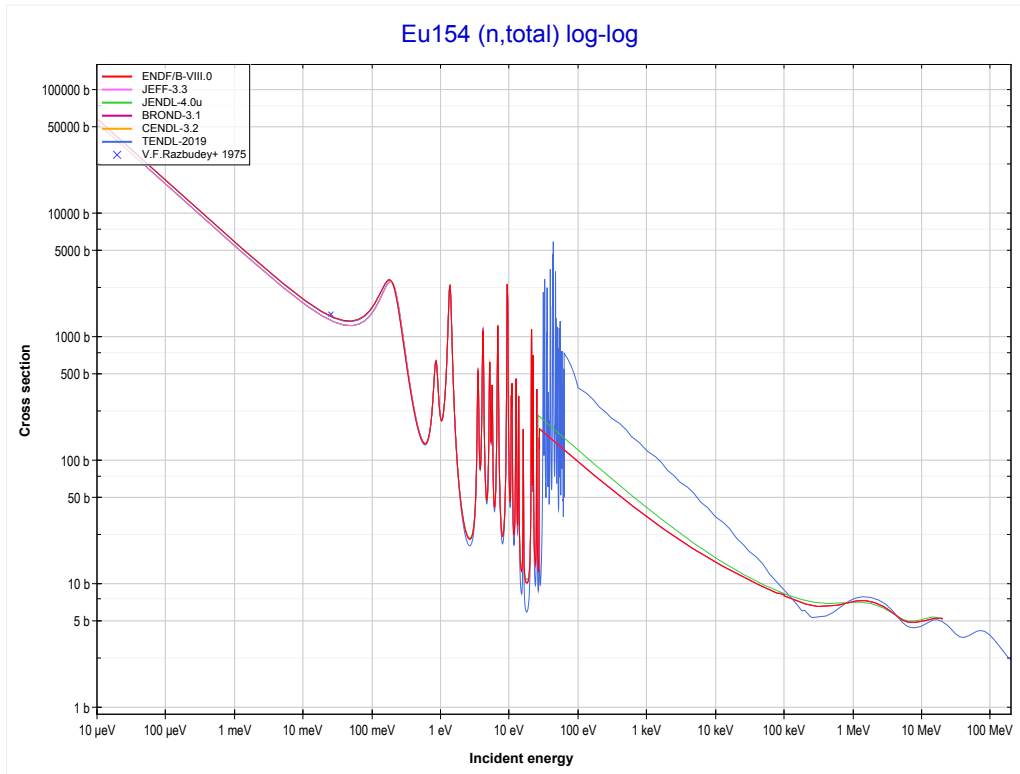
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 3.41494E-12 b | 6.52313E-6 b | 0.004651 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 9.29962E-14 b | 1.63759E-5 b | 0.00491296 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.55704E-19 b | 3.54282E-6 b | 0.00389782 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 3.55705E-19 b | 3.54282E-6 b | 0.00389782 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 9.29964E-14 b | 1.63759E-5 b | 0.00491296 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.35723E-6 b | 0.0036239 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 5.08016E-21 b | 1.18914E-5 b | 0.00806201 b |

| | | |
|----------------|--|----------------------------|
| << 63-Eu-151 | 63-Eu-153 | 64-Gd-152 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Pm150 production) | 63-Eu-154 MT1 (n,total) >> |



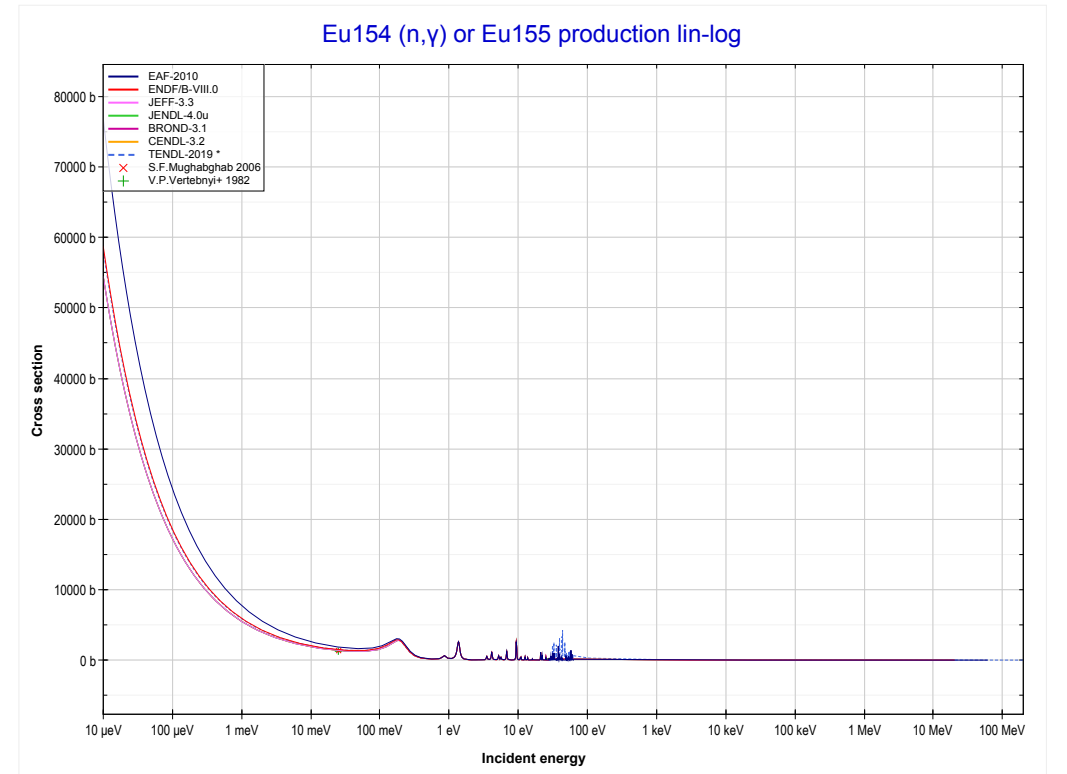
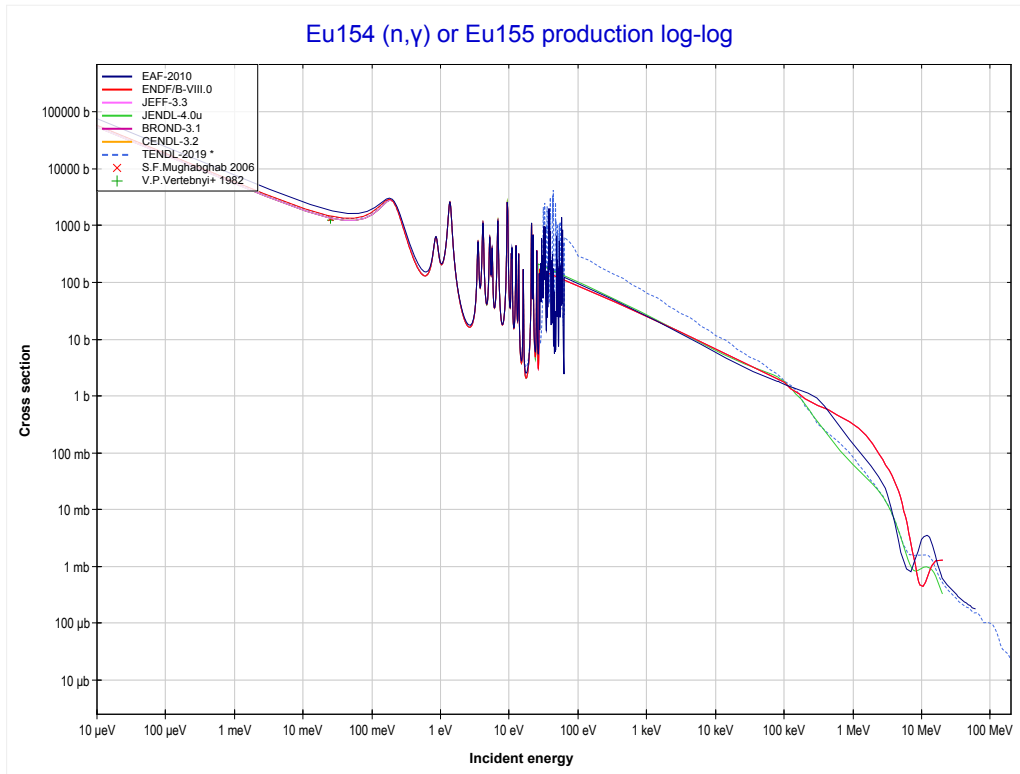
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.71159E-7 b | 5.70719E-7 b | 5.6277E-7 b | 0.98605 | 2.08019E-6 b | 2.0836E-6 b | 0.00149244 b |
| ENDF/B-VIII.0 | 7.13419E-7 b | 7.13419E-7 b | 7.037E-7 b | 0.98637 | 2.60002E-6 b | 6.27404E-6 b | 0.00145204 b |
| JEFF-3.3 | 7.13419E-7 b | 7.13419E-7 b | 7.0373E-7 b | 0.98642 | 2.65448E-6 b | 2.88604E-6 b | 0.00138617 b |
| JENDL-4.0u | 7.13419E-7 b | 7.13419E-7 b | 7.0373E-7 b | 0.98642 | 2.65448E-6 b | 2.88604E-6 b | 0.00138617 b |
| BROND-3.1 | 7.13419E-7 b | 7.13419E-7 b | 7.037E-7 b | 0.98637 | 2.60002E-6 b | 6.27404E-6 b | 0.00145204 b |
| CENDL-3.2 | 7.13421E-7 b | 7.13421E-7 b | 7.0326E-7 b | 0.98576 | 2.59962E-6 b | 9.12943E-7 b | 0.001327 b |
| TENDL-2019 | 1.0015E-6 b | 1.0015E-6 b | 1.0009E-6 b | 0.99935 | 1.76884E-9 b | 9.24062E-7 b | 0.00138936 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 63-Eu-153 | 63-Eu-154 | 64-Gd-Nat >> |
| << 63-Eu-153 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



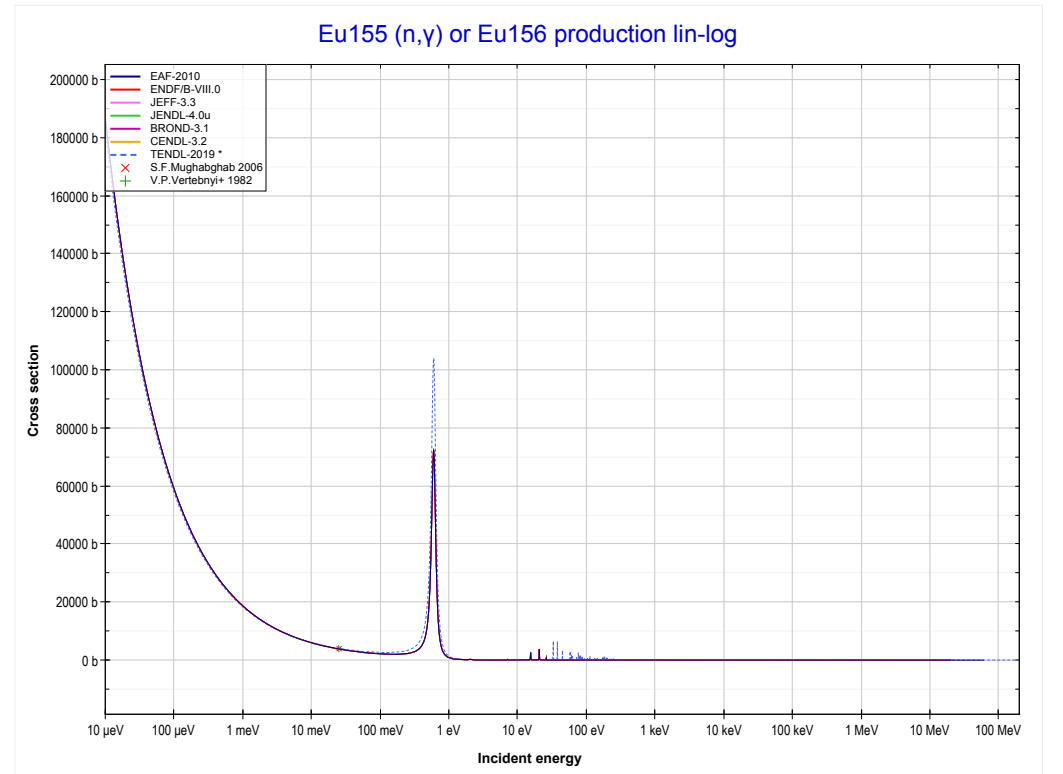
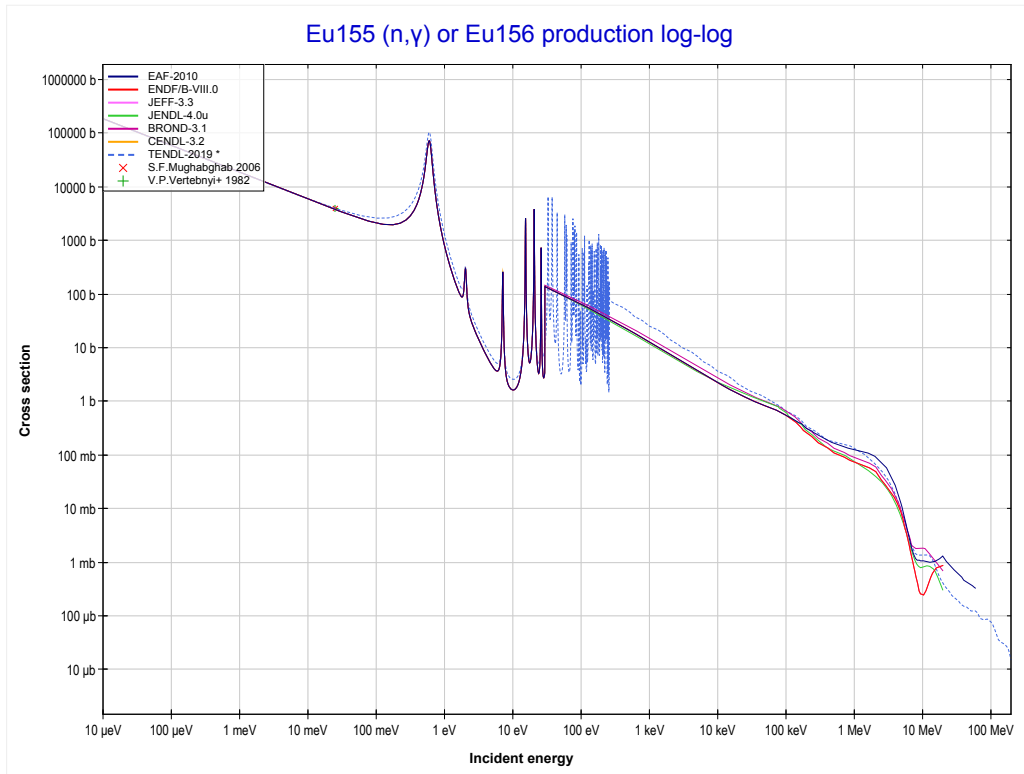
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1474.94 b | 1474.94 b | 1821.3 b | 1.23484 | 1407.29 b | 6.72479 b | 5.20138 b |
| JEFF-3.3 | 1358.34 b | 1358.34 b | 1668.3 b | 1.22822 | 1407.64 b | 6.72479 b | 5.20138 b |
| JENDL-4.0u | 1358.29 b | 1358.29 b | 1668.7 b | 1.22851 | 1500.91 b | 6.69576 b | 5.37427 b |
| BROND-3.1 | 1358.34 b | 1358.34 b | 1668.3 b | 1.22822 | 1407.64 b | 6.72479 b | 5.20138 b |
| CENDL-3.2 | 1357.65 b | 1357.65 b | 1667.3 b | 1.22807 | 1406.32 b | 6.72282 b | 5.20285 b |
| TENDL-2019 | 1455.26 b | 1455.26 b | 1794.7 b | 1.23324 | 2444.15 b | 6.91851 b | 5.03478 b |

| | | |
|------------------|--|-----------------------------------|
| << 63-Eu-153 | 63-Eu-154 | 63-Eu-155 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Eu155 production) | 63-Eu-155 MT102 (n, γ) >> |



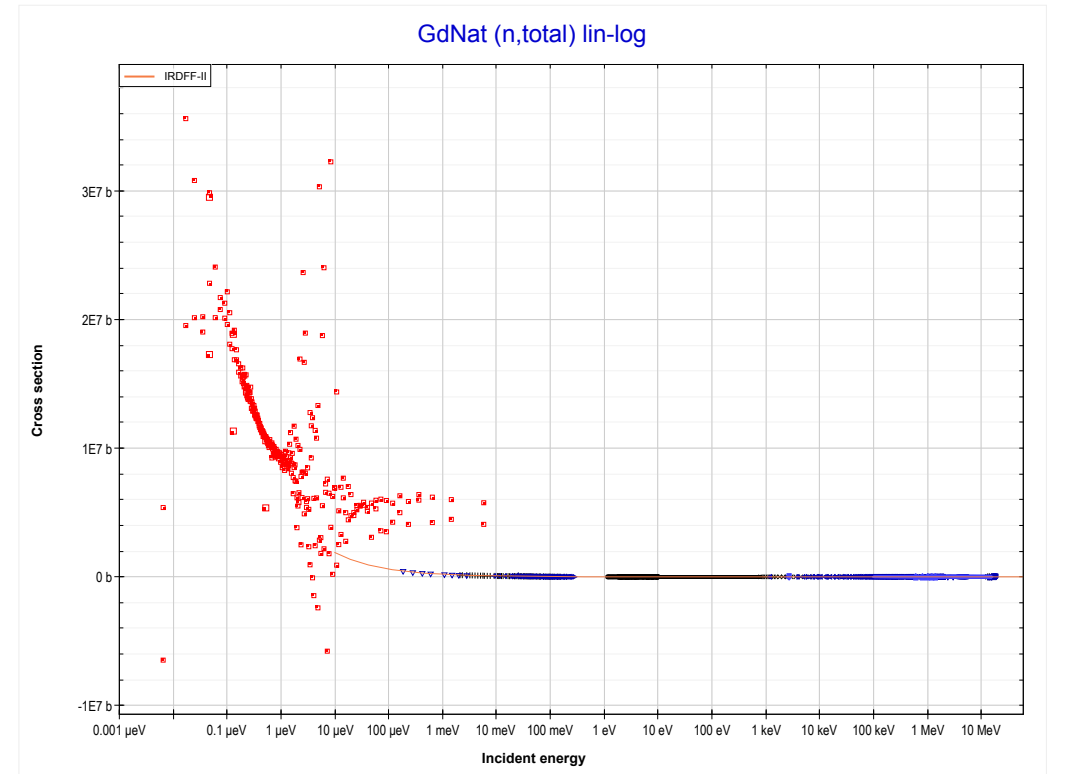
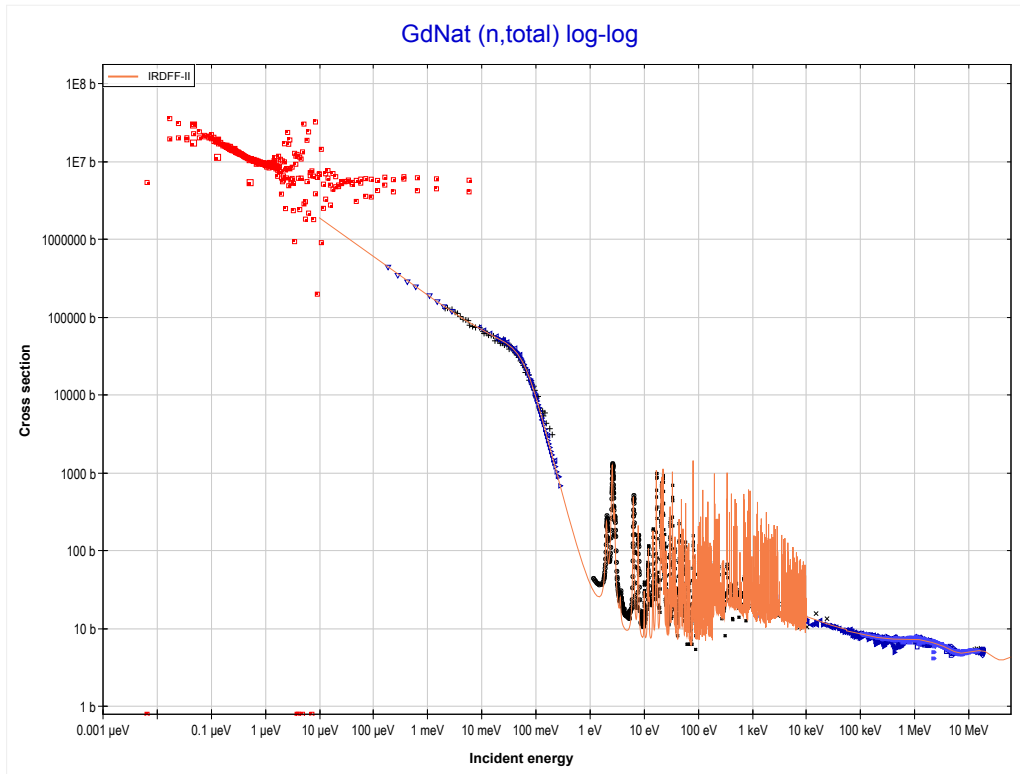
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1844.58 b | 1843.8 b | 2200.2 b | 1.19366 | 1357.95 b | 0.221463 b | 0.0026 b |
| ENDF/B-VIII.0 | 1469.75 b | 1469.75 b | 1815.5 b | 1.23521 | 1298.91 b | 0.295018 b | 0.00100756 b |
| JEFF-3.3 | 1353.11 b | 1353.11 b | 1662.4 b | 1.22861 | 1299.26 b | 0.295018 b | 0.00100756 b |
| JENDL-4.0u | 1352.63 b | 1352.63 b | 1662.3 b | 1.22894 | 1354.02 b | 0.135287 b | 8.71681E-4 b |
| BROND-3.1 | 1353.11 b | 1353.11 b | 1662.4 b | 1.22861 | 1299.26 b | 0.295018 b | 0.00100756 b |
| CENDL-3.2 | 1352.43 b | 1352.43 b | 1661.4 b | 1.22846 | 1297.93 b | 0.295012 b | 0.00100756 b |
| TENDL-2019 | 1453.23 b | 1453.23 b | 1792.4 b | 1.23338 | 2010.17 b | 0.163817 b | 0.001336 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 63-Eu-154 | 63-Eu-155 | 64-Gd-148 >> |
| << 63-Eu-154 MT102 (n, γ) | MT102 (n,γ) or MT5 (Eu156 production) | 64-Gd-Nat MT1 (n,total) >> |



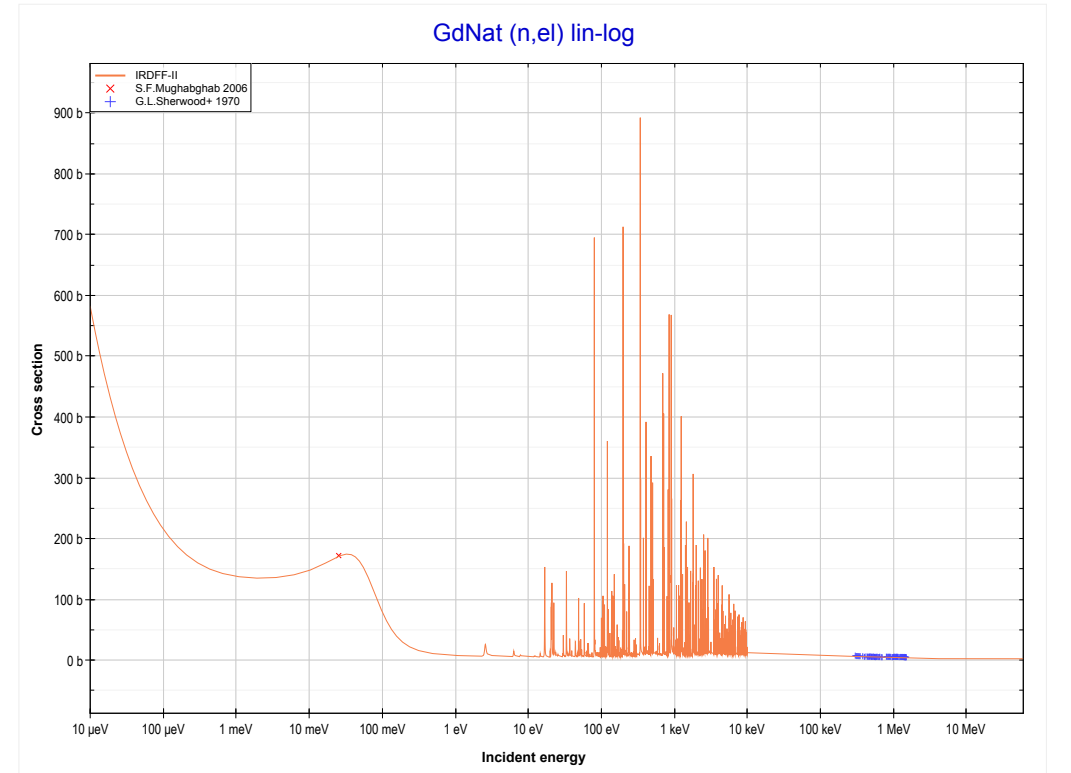
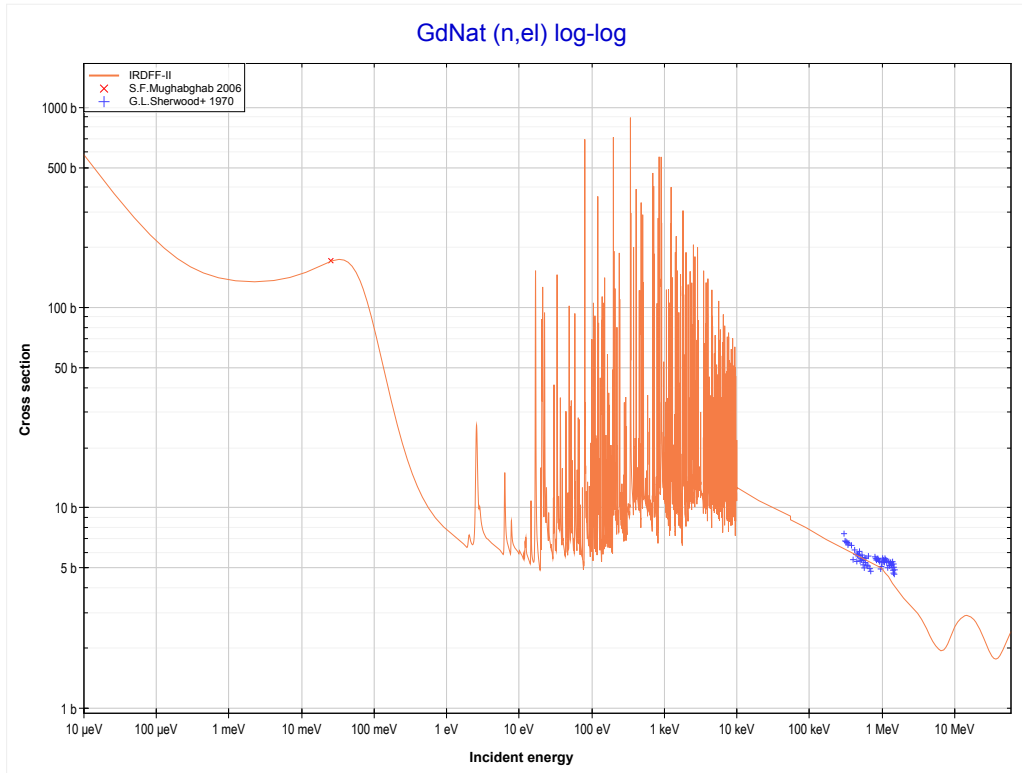
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3762.97 b | 3760.27 b | 3840.4 b | 1.02133 | 15515.7 b | 0.121688 b | 0.00100347 b |
| ENDF/B-VIII.0 | 3760.36 b | 3760.36 b | 3842.4 b | 1.02181 | 15517.6 b | 0.0823511 b | 6.0558E-4 b |
| JEFF-3.3 | 3760.36 b | 3760.36 b | 3842.4 b | 1.02181 | 15517.6 b | 0.0823511 b | 6.0558E-4 b |
| JENDL-4.0u | 3760.36 b | 3760.36 b | 3842.4 b | 1.02181 | 15513.1 b | 0.0844539 b | 7.89217E-4 b |
| BROND-3.1 | 3760.36 b | 3760.36 b | 3842.4 b | 1.02181 | 15538.5 b | 0.100522 b | 0.00124022 b |
| CENDL-3.2 | 3759.49 b | 3759.49 b | 3840.2 b | 1.02146 | 15514.7 b | 0.0823518 b | 6.0558E-4 b |
| TENDL-2019 | 3948.81 b | 3948.81 b | 4168.7 b | 1.05567 | 23599.4 b | 0.12457 b | 0.00115091 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 63-Eu-154 | 64-Gd-Nat | 64-Gd-152 >> |
| << 63-Eu-155 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



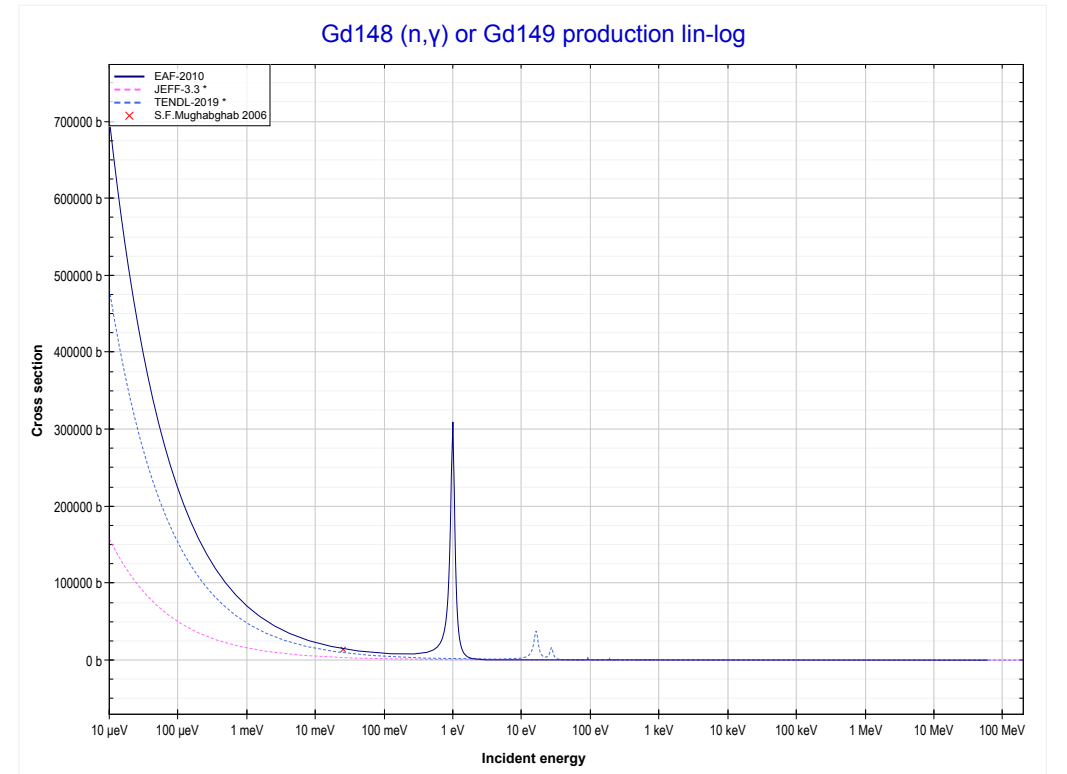
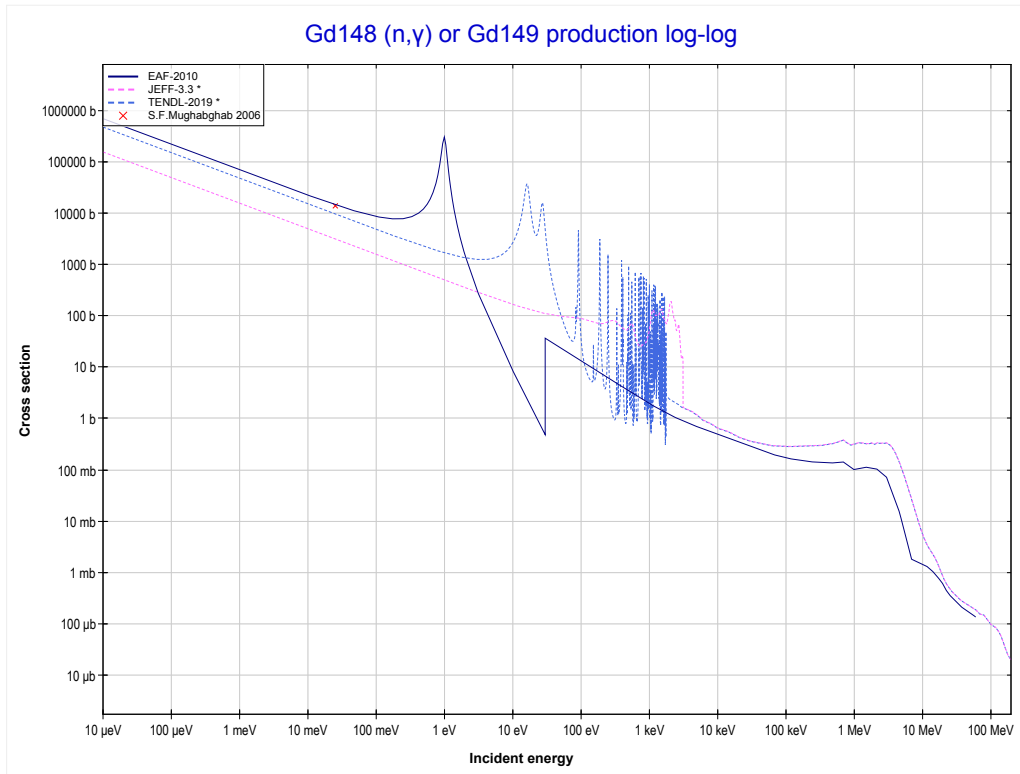
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 48741.5 b | 48741.5 b | 41524 b | 0.85192 | 567.632 b | 6.74641 b | 5.18927 b |

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|------------------|------------------------|-----------------------------------|
| << 63-Eu-153 | 64-Gd-Nat | 64-Gd-152 >> |
| << MT1 (n,total) | MT2 (n,elastic) | 64-Gd-148 MT102 (n, γ) >> |



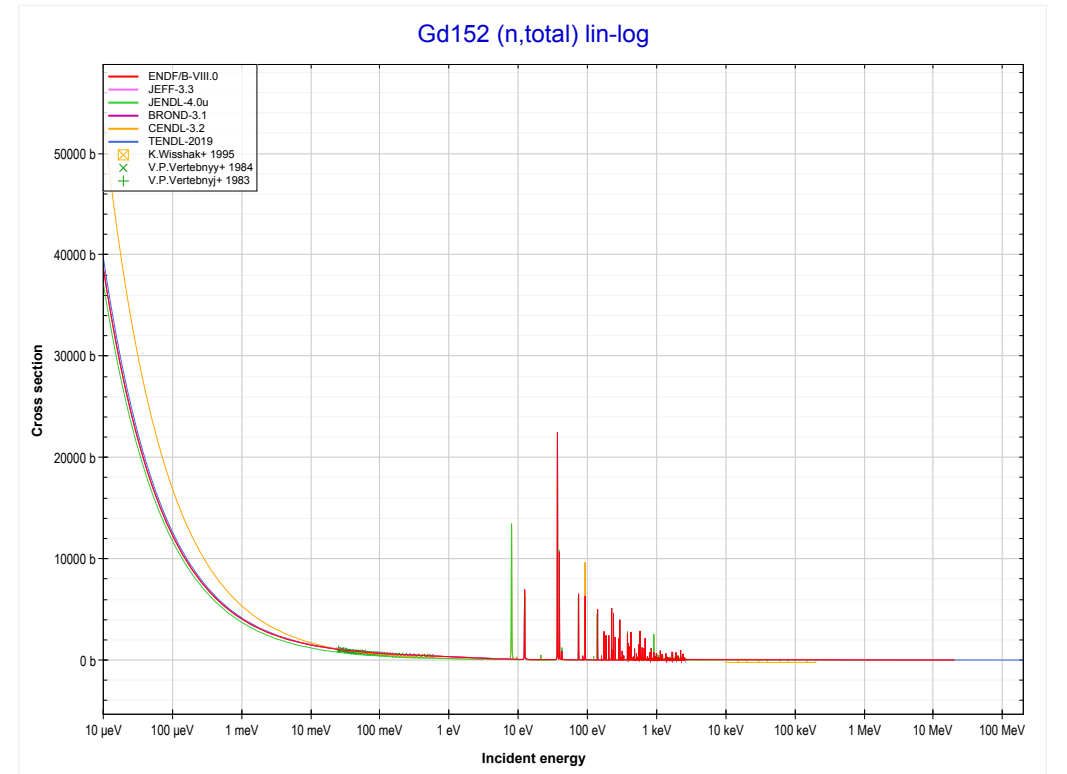
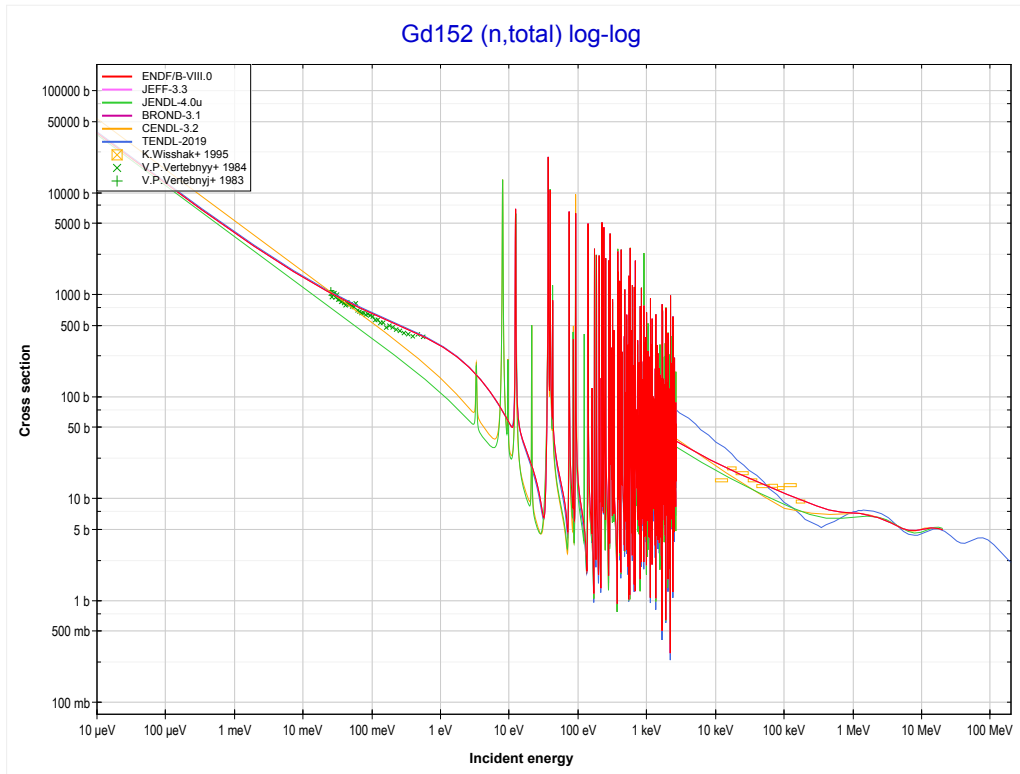
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| IRDFF-II | 170.899 b | 170.899 b | 160.6 b | 0.93973 | 174.941 b | 4.17016 b | 2.89592 b |

| | | |
|------------------------------|--|----------------------------|
| << 63-Eu-155 | 64-Gd-148 | 64-Gd-152 >> |
| << 64-Gd-Nat MT2 (n,elastic) | MT102 (n,γ) or MT5 (Gd149 production) | 64-Gd-152 MT1 (n,total) >> |



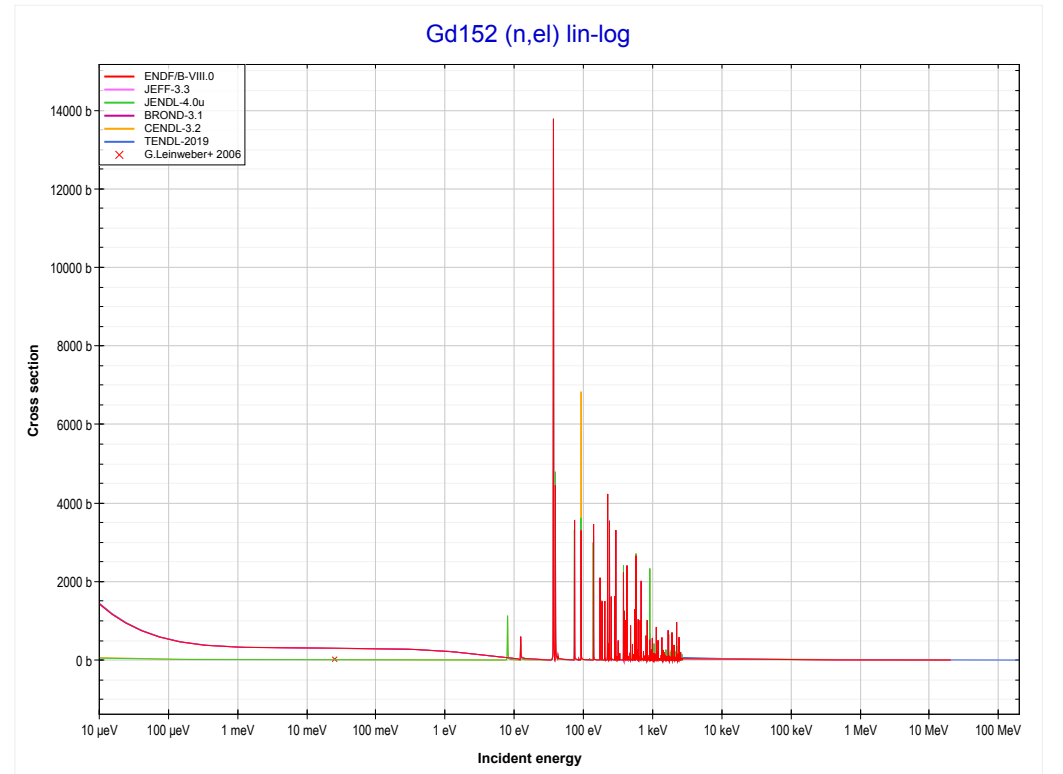
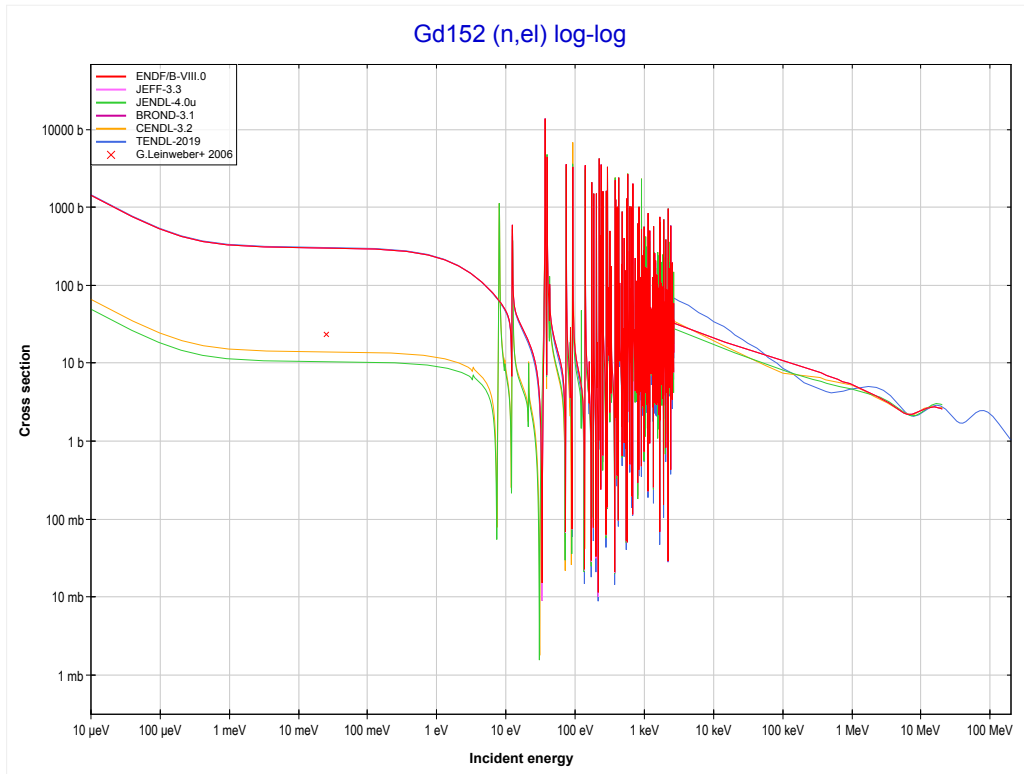
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 14778.9 b | 14768.7 b | 15195 b | 1.02891 | 78014.5 b | 0.0967149 b | 0.00107 b |
| JEFF-3.3 | 3129.23 b | 3129.23 b | 3130.5 b | 1.00042 | 1635.83 b | 0.304791 b | 0.0024059 b |
| TENDL-2019 | 9606.88 b | 9606.88 b | 9620.6 b | 1.00143 | 17663.4 b | 0.295151 b | 0.00238063 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-Nat | 64-Gd-152 | 64-Gd-153 >> |
| << 64-Gd-148 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



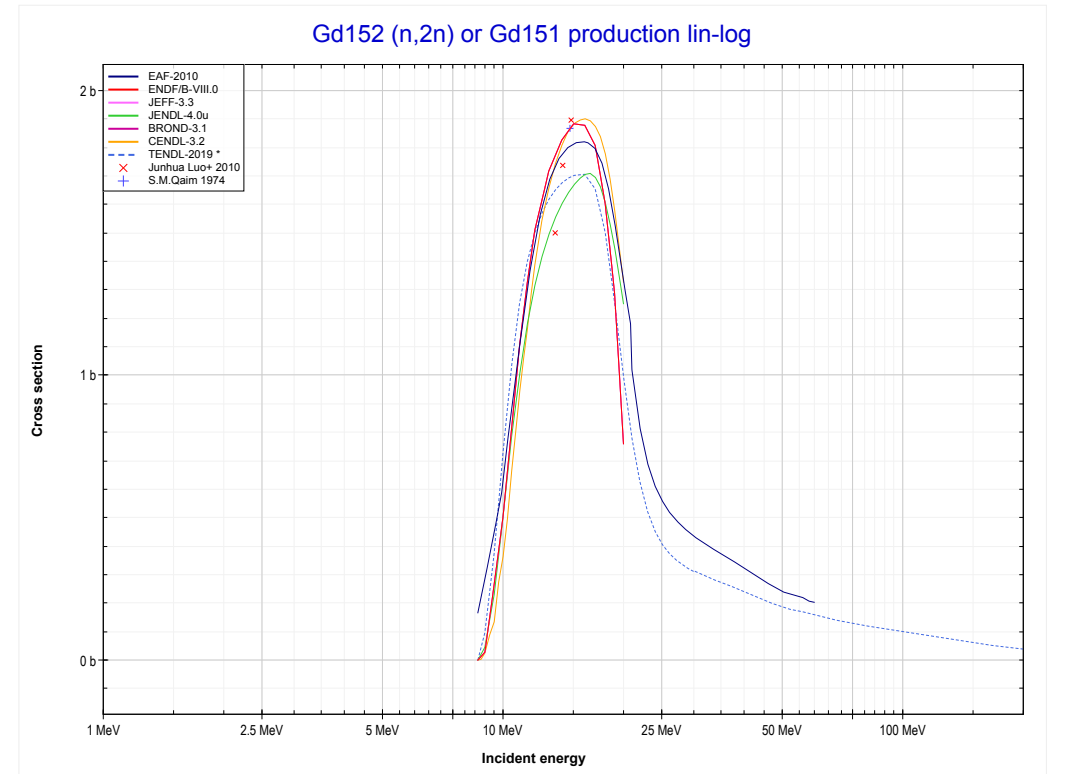
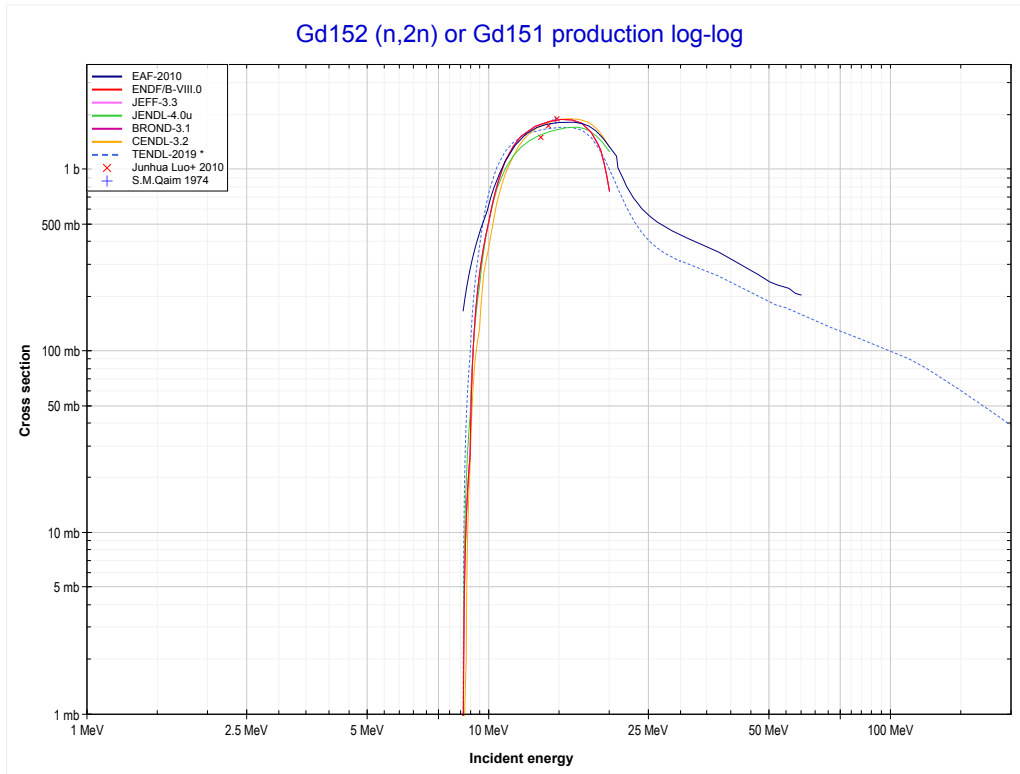
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1036.61 b | 1036.61 b | 1070.2 b | 1.03237 | 1632.7 b | 6.95671 b | 5.17898 b |
| JEFF-3.3 | 1036.61 b | 1036.61 b | 1070.1 b | 1.03232 | 1632.95 b | 6.9567 b | 5.17898 b |
| JENDL-4.0u | 745.424 b | 745.424 b | 745.46 b | 1.00004 | 1495.06 b | 6.47196 b | 5.15085 b |
| BROND-3.1 | 1036.61 b | 1036.61 b | 1070.1 b | 1.03232 | 1632.95 b | 6.9567 b | 5.17898 b |
| CENDL-3.2 | 1069.77 b | 1069.77 b | 1069 b | 0.99928 | 1581.04 b | 6.71441 b | 5.2023 b |
| TENDL-2019 | 1062.1 b | 1062.1 b | 1096 b | 1.03187 | 1675.31 b | 6.88822 b | 4.98144 b |

| | | |
|------------------|------------------------|----------------|
| << 64-Gd-Nat | 64-Gd-152 | 64-Gd-154 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



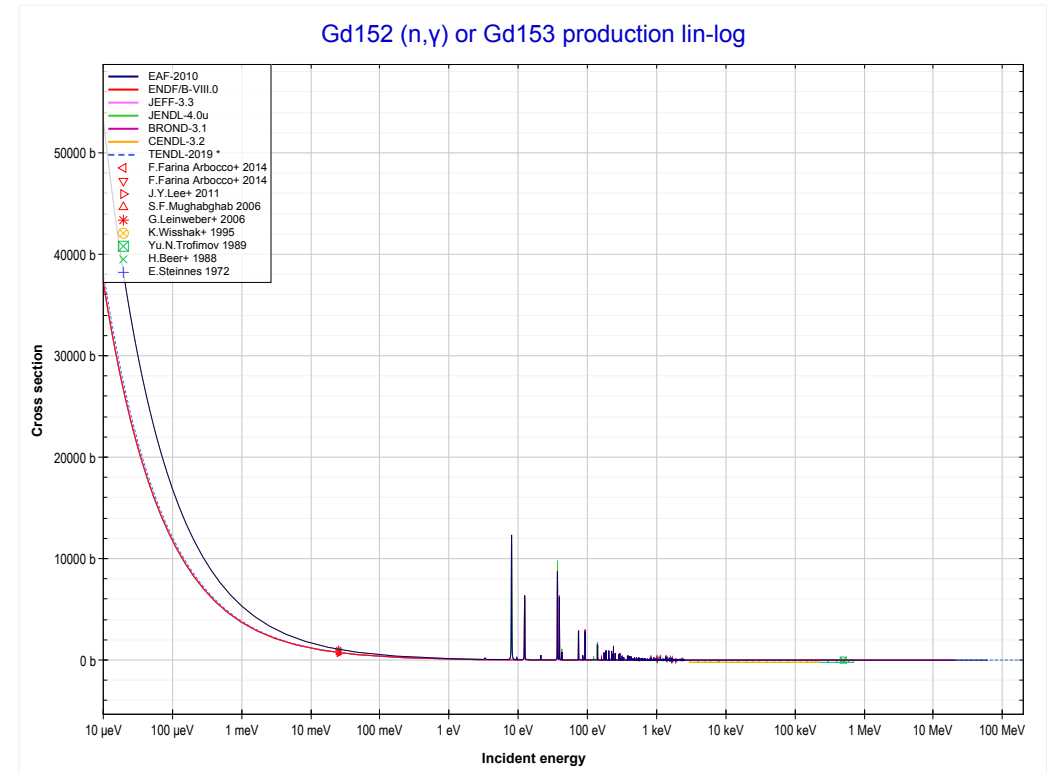
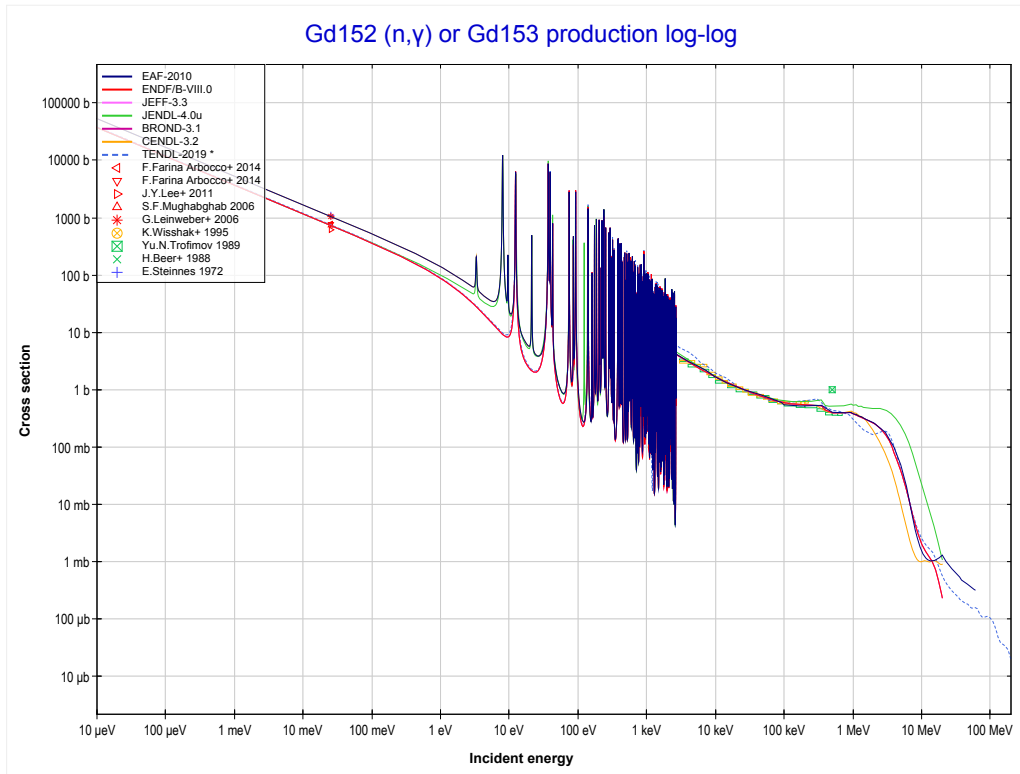
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 301.553 b | 301.553 b | 337.72 b | 1.11993 | 1073.44 b | 4.78098 b | 2.72755 b |
| JEFF-3.3 | 301.546 b | 301.546 b | 337.71 b | 1.11993 | 1073.54 b | 4.78098 b | 2.72755 b |
| JENDL-4.0u | 10.451 b | 10.451 b | 11.752 b | 1.12444 | 561.922 b | 4.28479 b | 2.86999 b |
| BROND-3.1 | 301.546 b | 301.546 b | 337.71 b | 1.11993 | 1073.54 b | 4.78098 b | 2.72755 b |
| CENDL-3.2 | 13.9621 b | 13.9621 b | 15.691 b | 1.12386 | 593.291 b | 4.44547 b | 2.7717 b |
| TENDL-2019 | 306.823 b | 306.823 b | 343.6 b | 1.11985 | 1099.72 b | 4.60956 b | 2.76115 b |

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|--------------------|--|-------------------------|
| << 63-Eu-153 | 64-Gd-152 | 64-Gd-154 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd151 production) | MT102 (n, γ) >> |



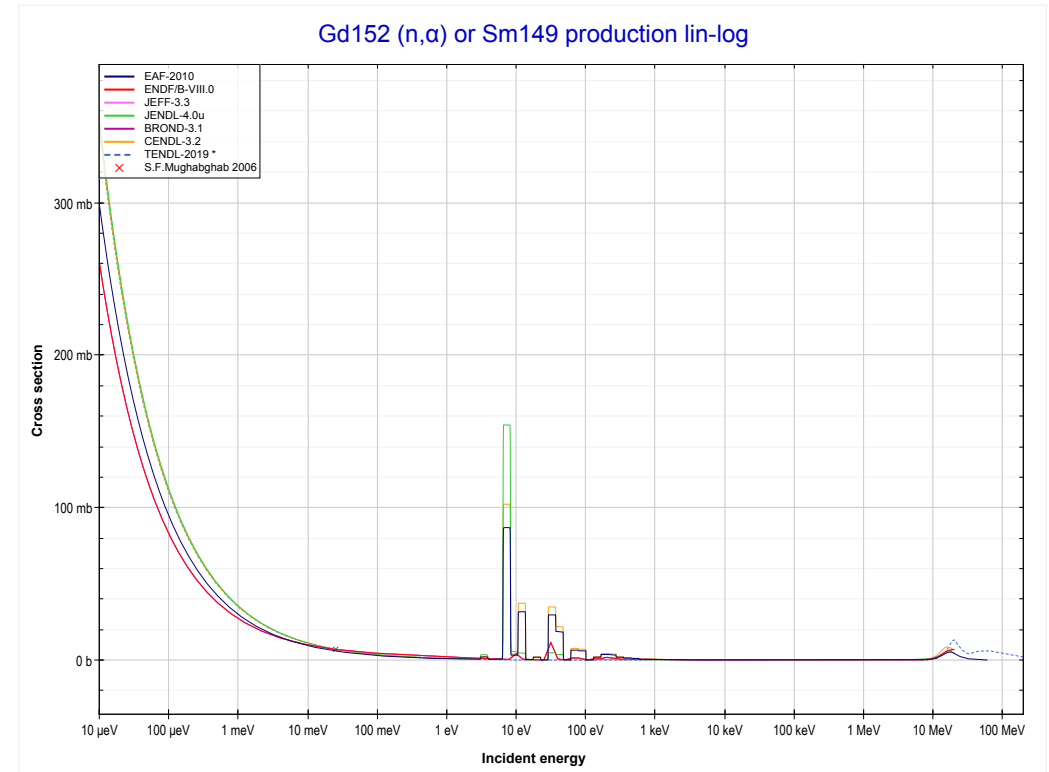
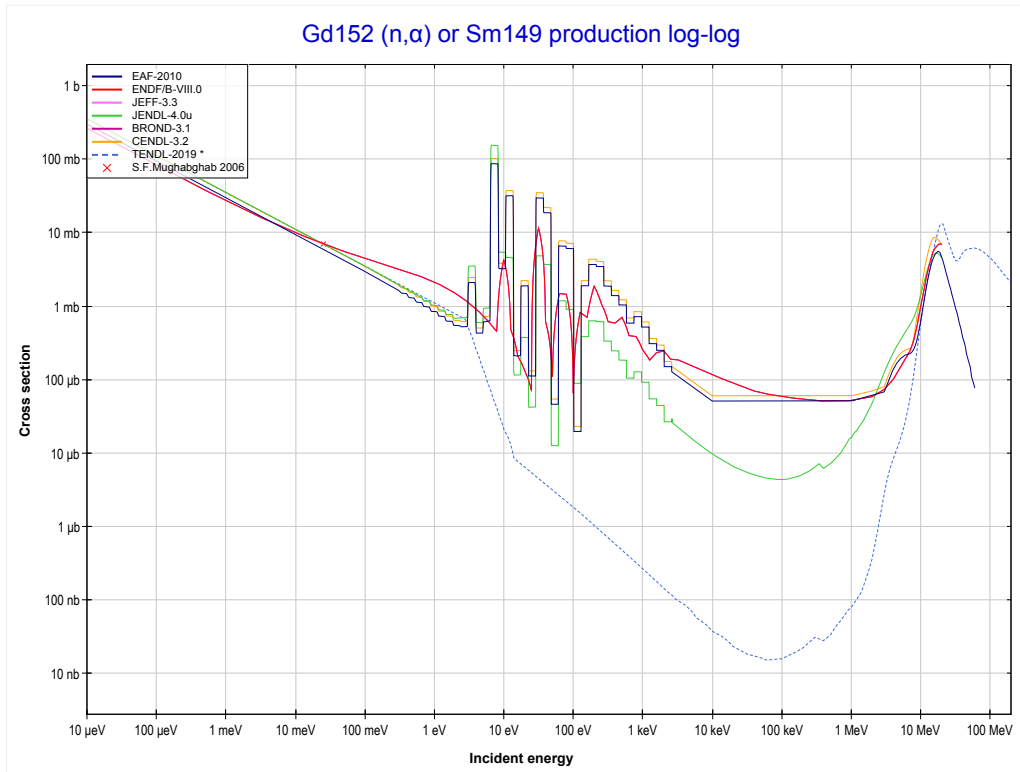
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00310243 b | 1.77215 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00273135 b | 1.82465 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00273135 b | 1.82465 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00251054 b | 1.59975 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00273135 b | 1.82465 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00229645 b | 1.8049 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00320742 b | 1.67468 b |

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|----------------|--|-------------------------|
| << 64-Gd-148 | 64-Gd-152 | 64-Gd-153 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Gd153 production) | MT107 (n, α) >> |



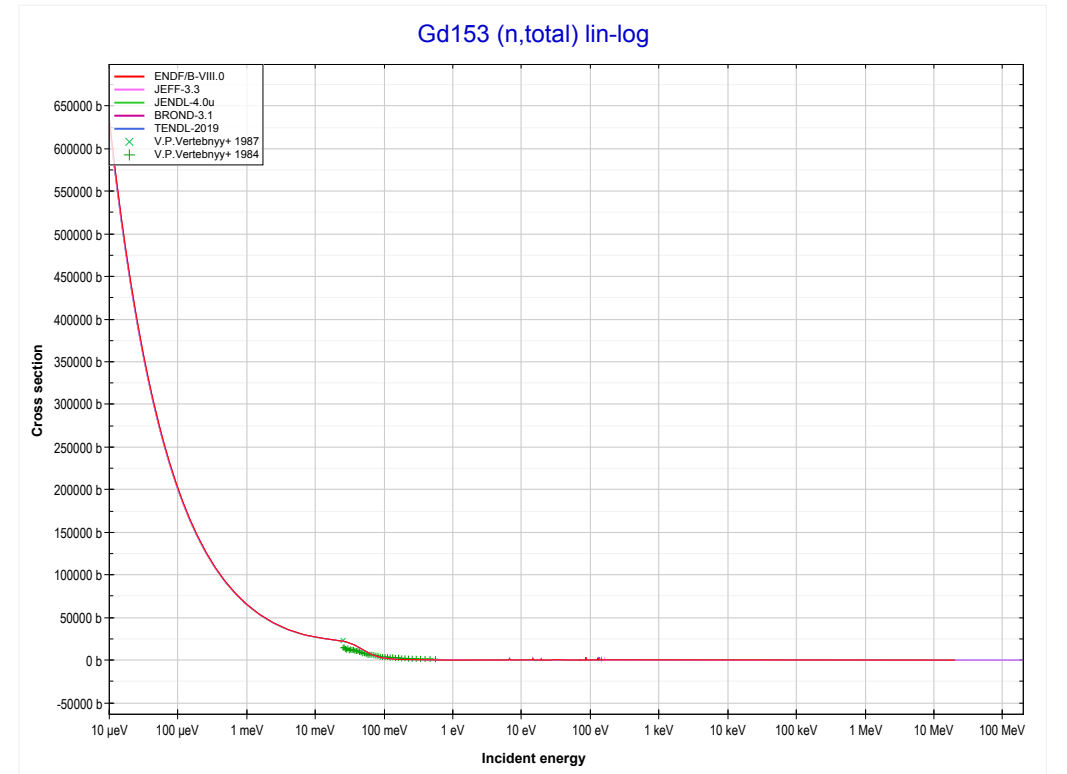
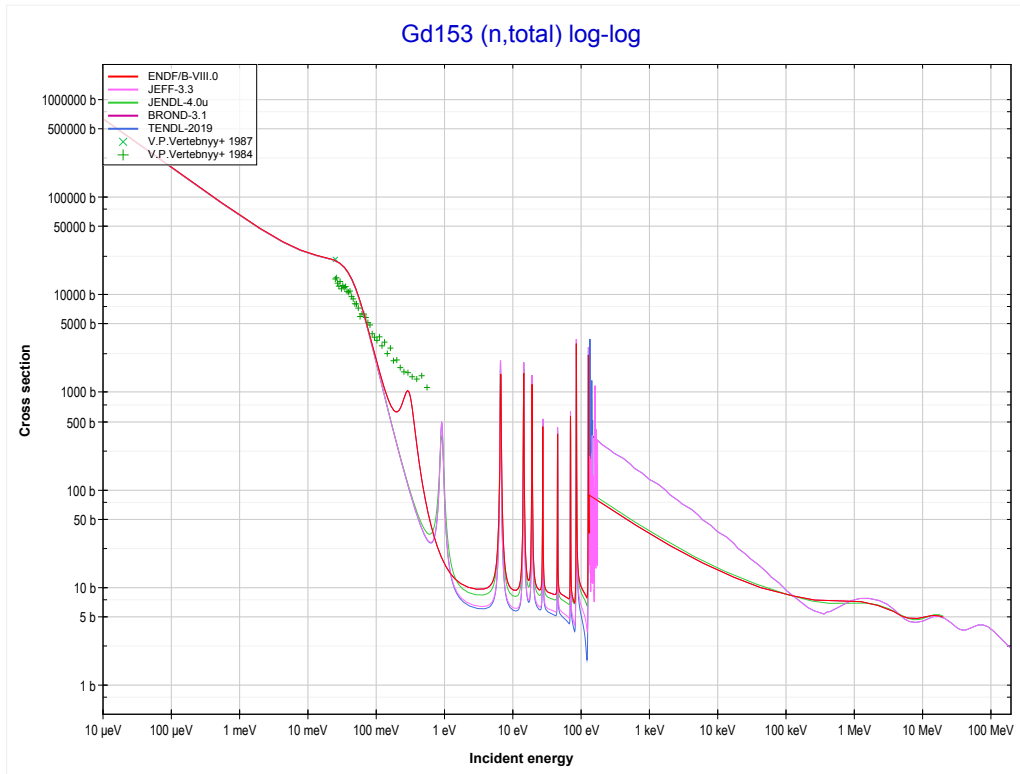
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1056.83 b | 1056.03 b | 1053.3 b | 0.99738 | 987.813 b | 0.294636 b | 0.00102599 b |
| ENDF/B-VIII.0 | 735.051 b | 735.051 b | 732.44 b | 0.99644 | 559.244 b | 0.289786 b | 0.00105398 b |
| JEFF-3.3 | 735.056 b | 735.056 b | 732.39 b | 0.99637 | 559.393 b | 0.289786 b | 0.00105398 b |
| JENDL-4.0u | 734.966 b | 734.966 b | 733.7 b | 0.99827 | 933.09 b | 0.470966 b | 0.00583984 b |
| BROND-3.1 | 735.056 b | 735.056 b | 732.39 b | 0.99637 | 559.393 b | 0.289786 b | 0.00105398 b |
| CENDL-3.2 | 1055.8 b | 1055.8 b | 1053.3 b | 0.99763 | 987.675 b | 0.260229 b | 0.0010148 b |
| TENDL-2019 | 755.269 b | 755.269 b | 752.35 b | 0.99613 | 575.569 b | 0.265675 b | 0.00153238 b |

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|-------------------------|--|----------------------------|
| << 63-Eu-153 | 64-Gd-152 | 64-Gd-153 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Sm149 production) | 64-Gd-153 MT1 (n,total) >> |



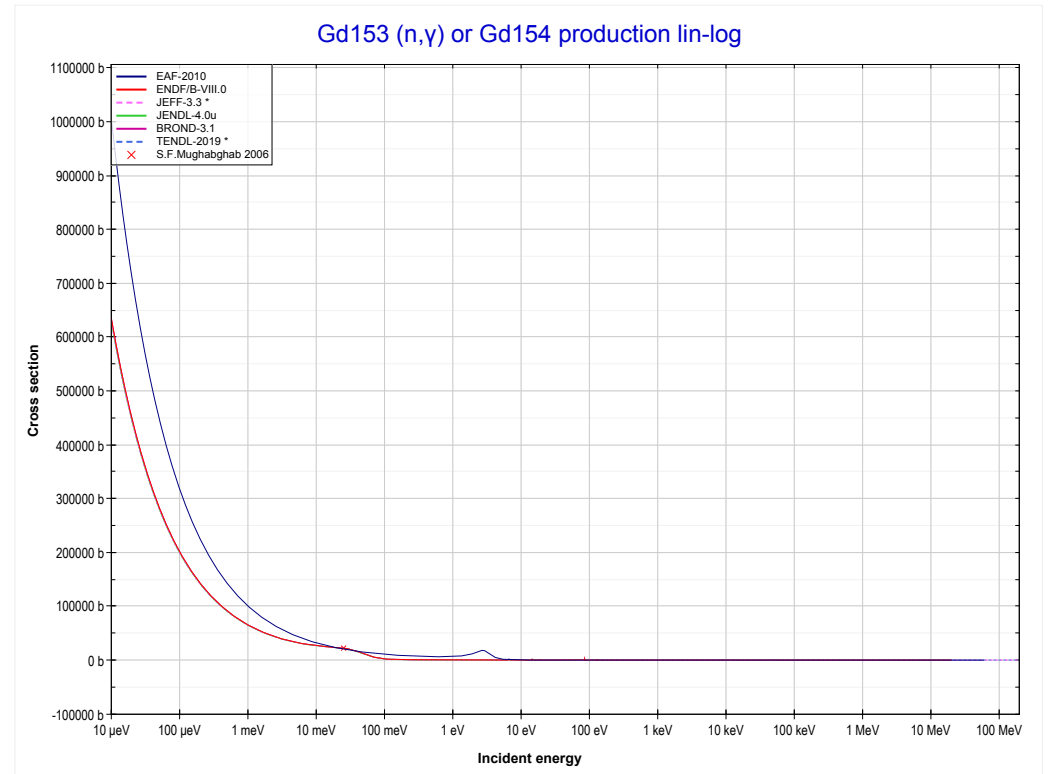
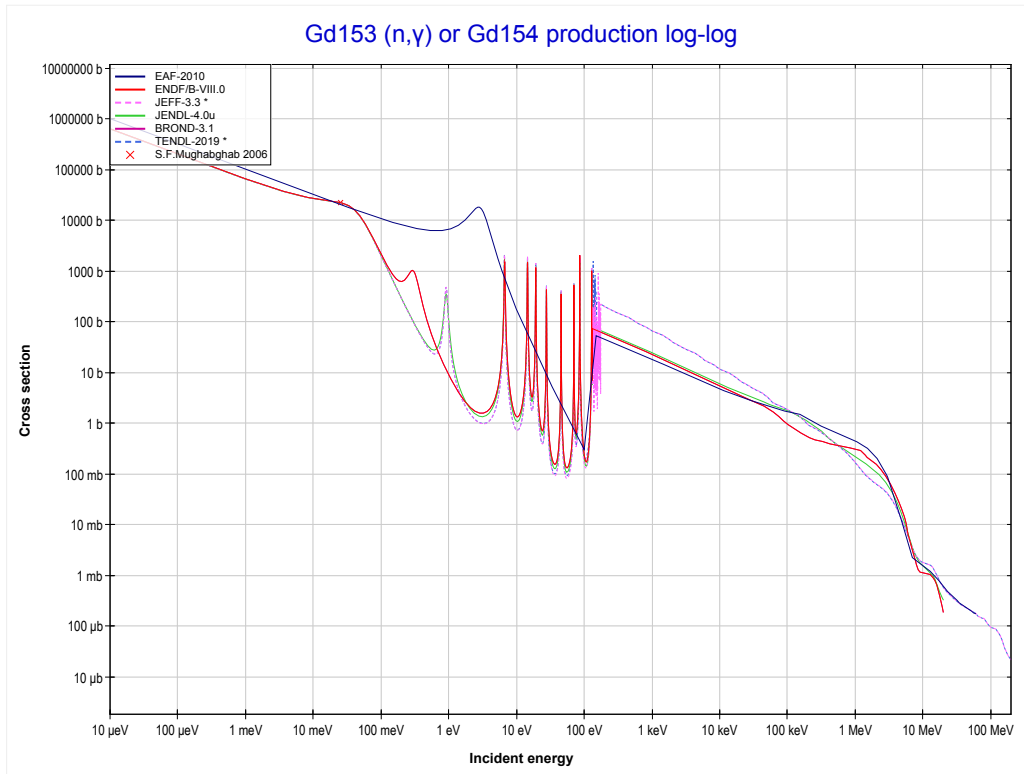
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.00594434 b | 0.00593998 b | 0.0059276 b | 0.99793 | 0.0527008 b | 7.85785E-5 b | 0.00349122 b |
| ENDF/B-VIII.0 | 0.00700765 b | 0.00700765 b | 0.0072416 b | 1.03339 | 0.0112702 b | 7.67779E-5 b | 0.00428 b |
| JEFF-3.3 | 0.00700765 b | 0.00700765 b | 0.0072415 b | 1.03337 | 0.0112707 b | 7.67779E-5 b | 0.00428 b |
| JENDL-4.0u | 0.00703813 b | 0.00703813 b | 0.0070302 b | 0.99887 | 0.047635 b | 9.12971E-5 b | 0.00430918 b |
| BROND-3.1 | 0.00700765 b | 0.00700765 b | 0.0072415 b | 1.03337 | 0.0112707 b | 7.67779E-5 b | 0.00428 b |
| CENDL-3.2 | 0.00698521 b | 0.00698521 b | 0.0069685 b | 0.9976 | 0.061961 b | 9.70578E-5 b | 0.0072477 b |
| TENDL-2019 | 0.00696016 b | 0.00696016 b | 0.0069589 b | 0.99982 | 0.00206704 b | 7.68621E-6 b | 0.00391213 b |

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|-----------------------------------|----------------------|-------------------------|
| << 64-Gd-152 | 64-Gd-153 | 64-Gd-154 >> |
| << 64-Gd-152 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



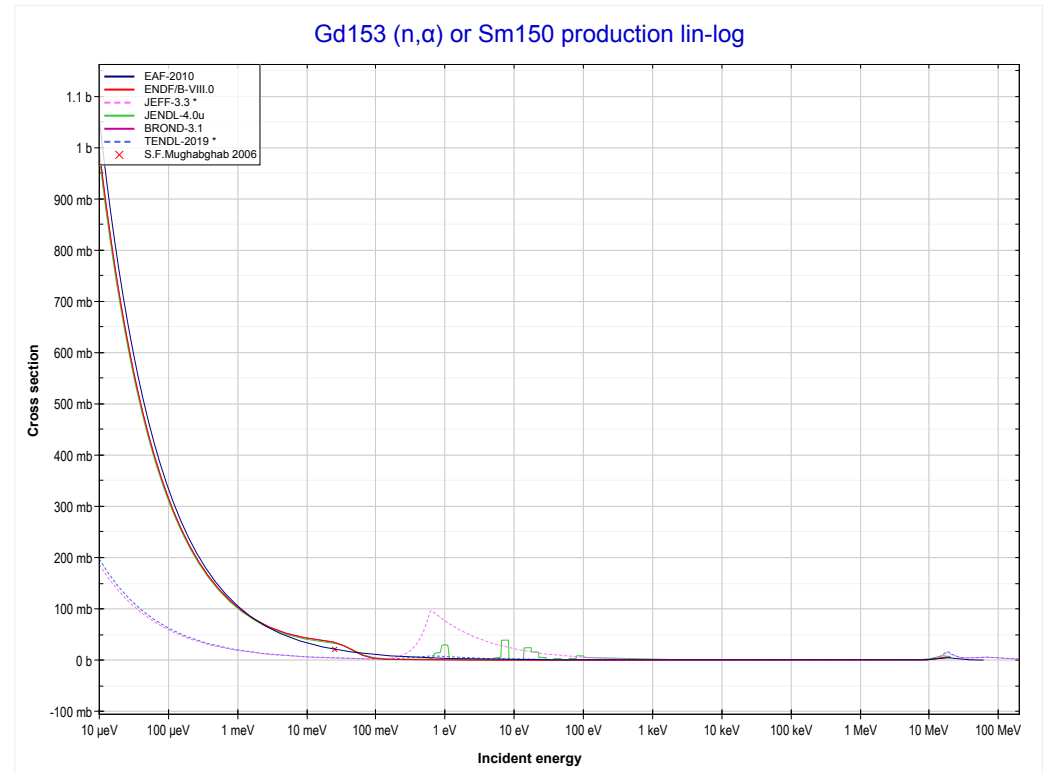
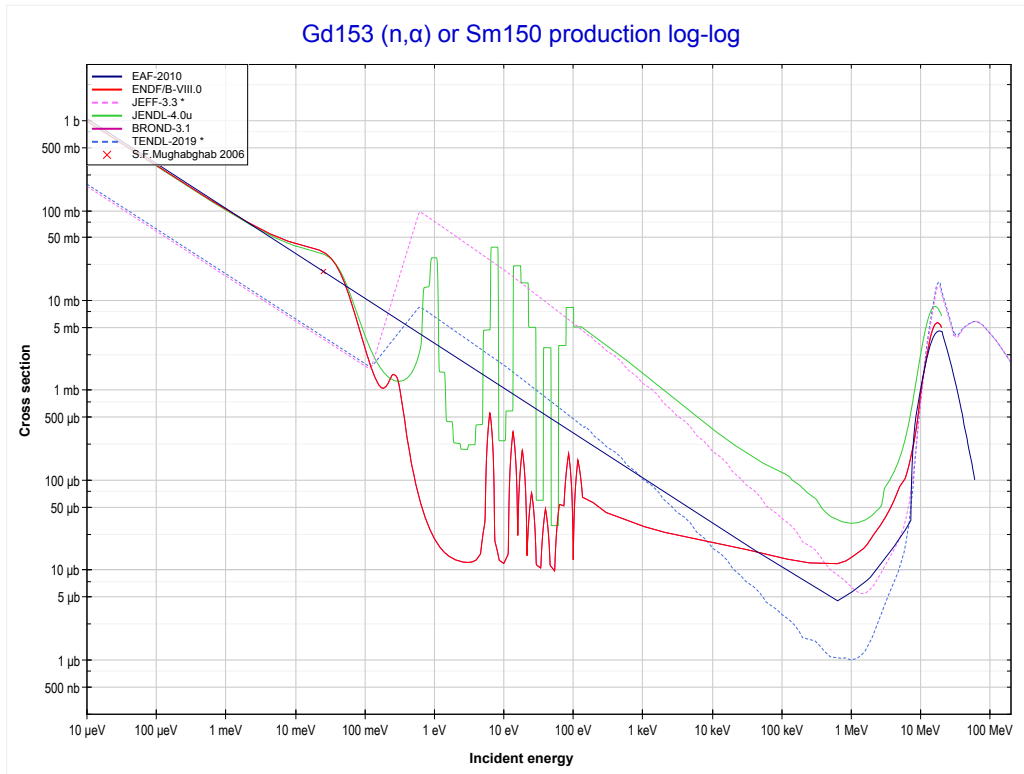
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22353.4 b | 22353.4 b | 16649 b | 0.74479 | 437.485 b | 6.73923 b | 5.18826 b |
| JEFF-3.3 | 22195.5 b | 22195.5 b | 16467 b | 0.7419 | 888.729 b | 6.95078 b | 5.00197 b |
| JENDL-4.0u | 22201.4 b | 22201.4 b | 16473 b | 0.74198 | 491.941 b | 6.62197 b | 5.21253 b |
| BROND-3.1 | 22353.4 b | 22353.4 b | 16649 b | 0.74479 | 437.485 b | 6.73923 b | 5.18826 b |
| TENDL-2019 | 22200.3 b | 22200.3 b | 16466 b | 0.74168 | 970.199 b | 6.94891 b | 5.00198 b |

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|------------------|--|-------------------------|
| << 64-Gd-152 | 64-Gd-153 | 64-Gd-154 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Gd154 production) | MT107 (n, α) >> |



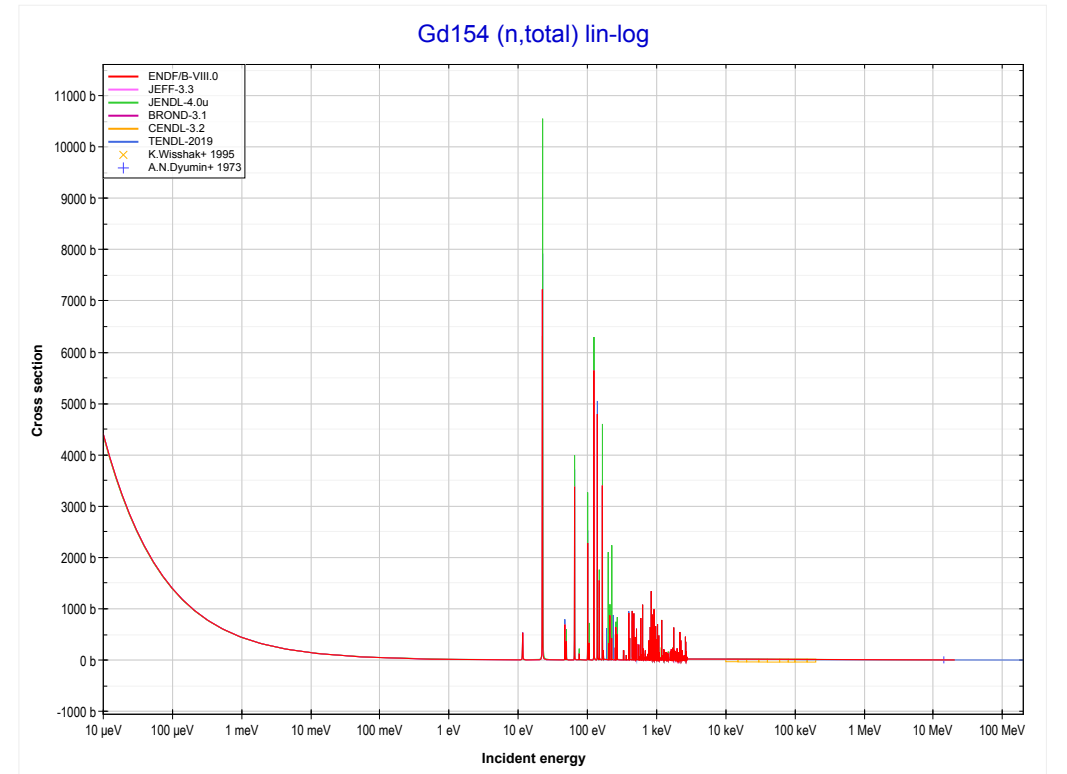
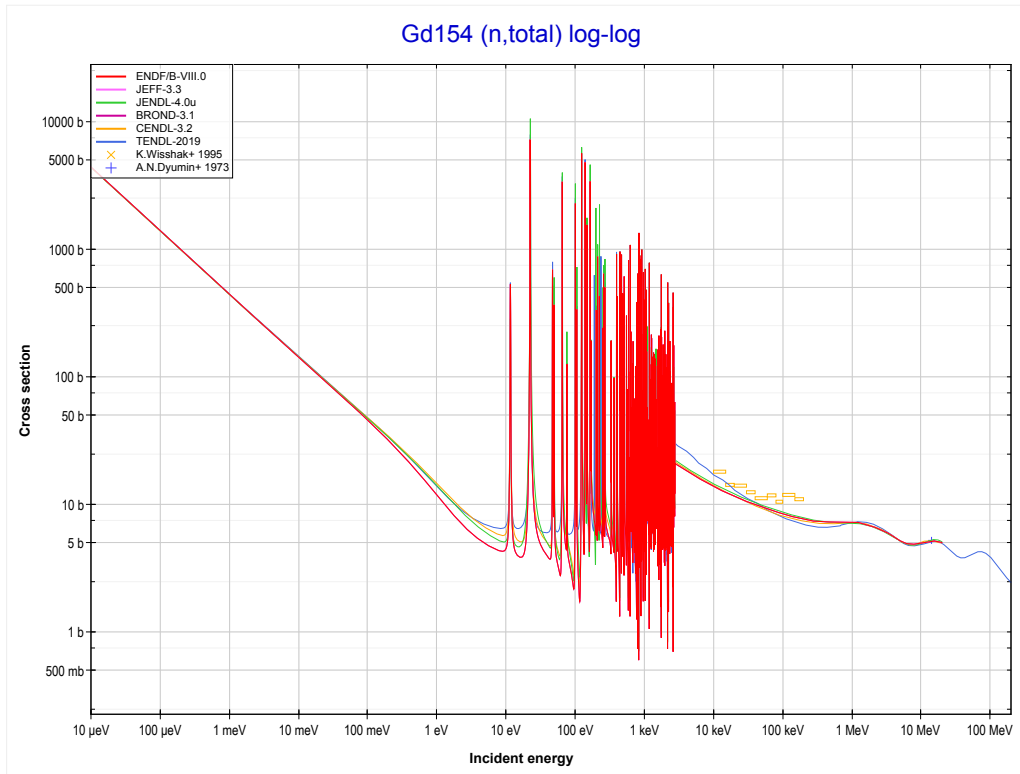
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20333.7 b | 20318.8 b | 20508 b | 1.00933 | 21717.3 b | 0.377828 b | 0.00108 b |
| ENDF/B-VIII.0 | 22333.9 b | 22333.9 b | 16628 b | 0.74451 | 296.551 b | 0.246055 b | 9.21052E-4 b |
| JEFF-3.3 | 22178.4 b | 22178.4 b | 16449 b | 0.74166 | 551.948 b | 0.243633 b | 0.00144707 b |
| JENDL-4.0u | 22182.8 b | 22182.8 b | 16453 b | 0.74171 | 350.175 b | 0.25615 b | 0.0010079 b |
| BROND-3.1 | 22333.9 b | 22333.9 b | 16628 b | 0.74451 | 296.551 b | 0.246055 b | 9.21053E-4 b |
| TENDL-2019 | 22183.5 b | 22183.5 b | 16448 b | 0.74145 | 600.583 b | 0.240034 b | 0.00144525 b |

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|-------------------------|--|----------------------------|
| << 64-Gd-152 | 64-Gd-153 | 64-Gd-155 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Sm150 production) | 64-Gd-154 MT1 (n,total) >> |



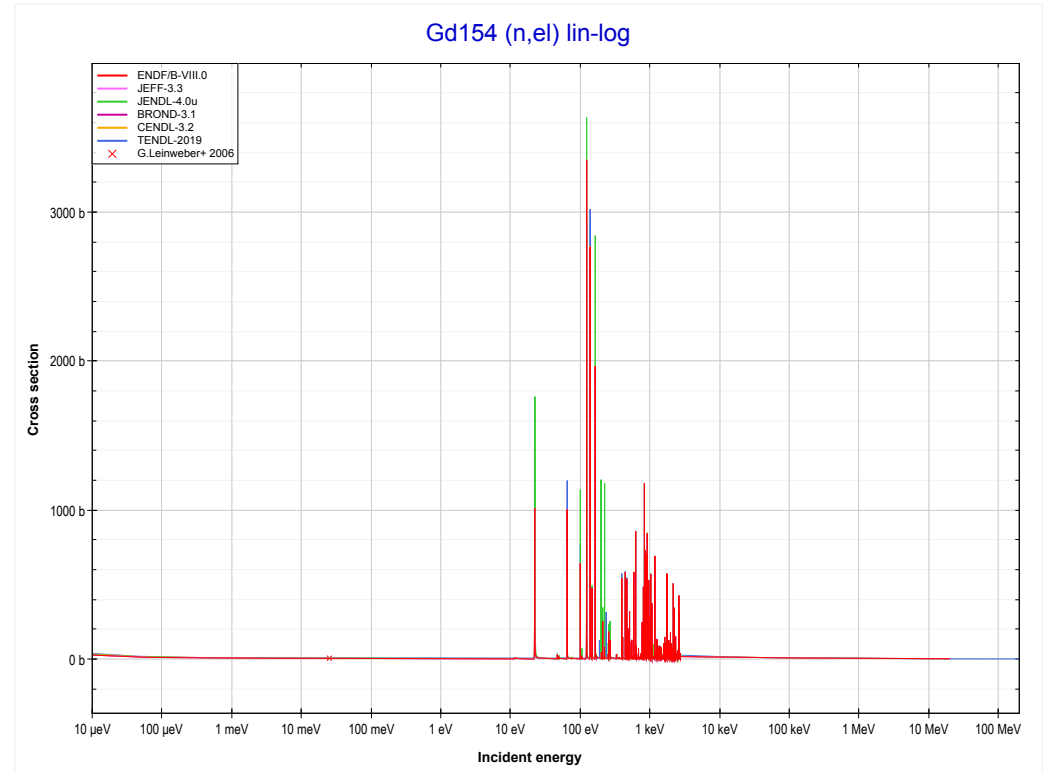
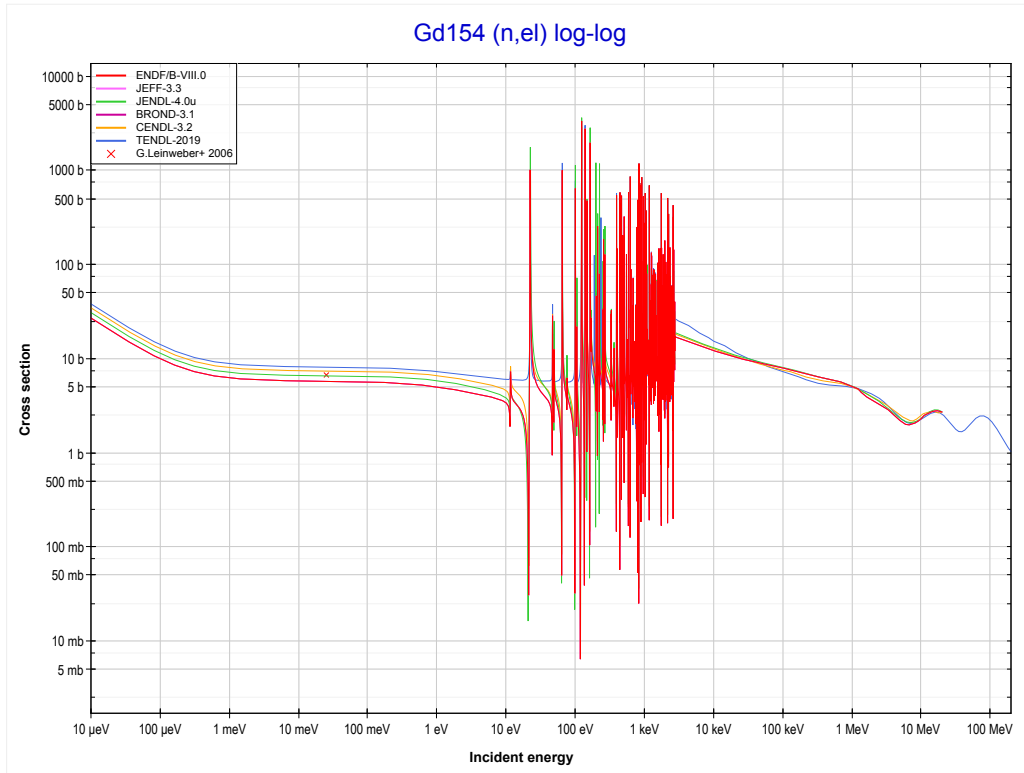
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.021 b | 0.0209843 b | 0.020984 b | 1.00001 | 0.00942826 b | 1.76564E-5 b | 0.00330383 b |
| ENDF/B-VIII.0 | 0.0346088 b | 0.0346088 b | 0.025185 b | 0.7277 | 5.43576E-4 b | 3.50578E-5 b | 0.00405756 b |
| JEFF-3.3 | 0.00370319 b | 0.00370319 b | 0.003791 b | 1.0237 | 0.195267 b | 1.82722E-5 b | 0.00544932 b |
| JENDL-4.0u | 0.0328707 b | 0.0328707 b | 0.025046 b | 0.76194 | 0.0485753 b | 8.72438E-5 b | 0.00764612 b |
| BROND-3.1 | 0.0346088 b | 0.0346088 b | 0.025185 b | 0.7277 | 5.43576E-4 b | 3.50577E-5 b | 0.00405756 b |
| TENDL-2019 | 0.0039296 b | 0.0039296 b | 0.0039591 b | 1.00751 | 0.0171896 b | 1.00328E-5 b | 0.00623622 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-153 | 64-Gd-154 | 64-Gd-155 >> |
| << 64-Gd-153 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



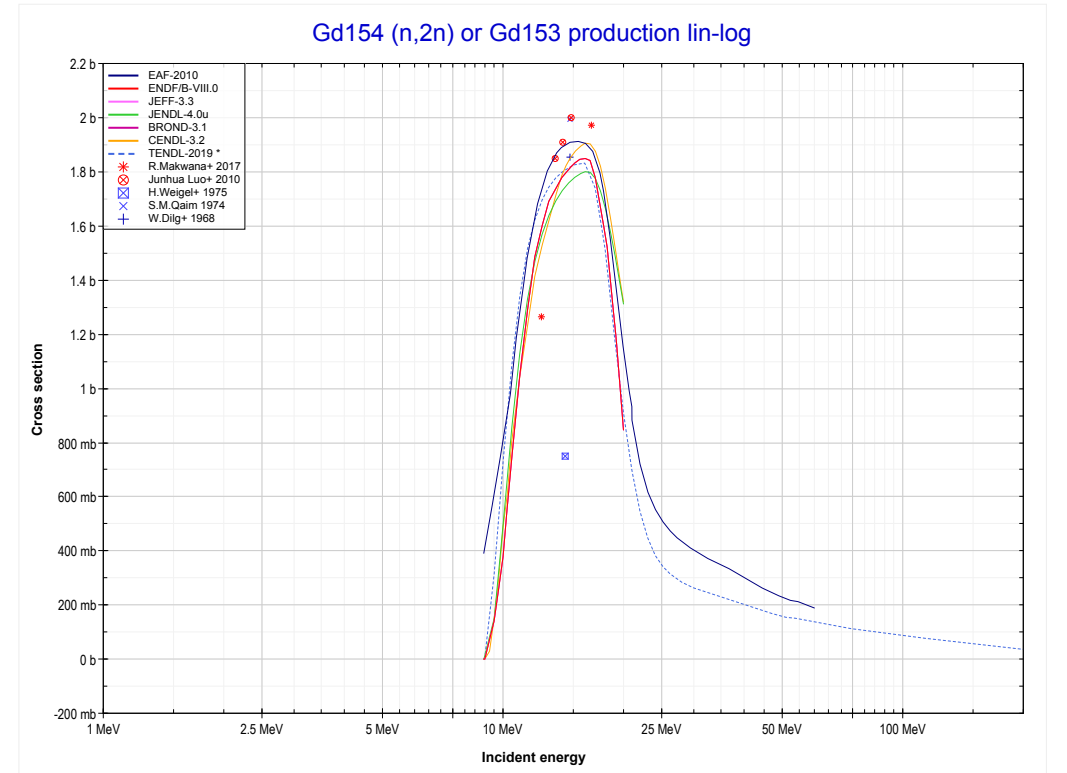
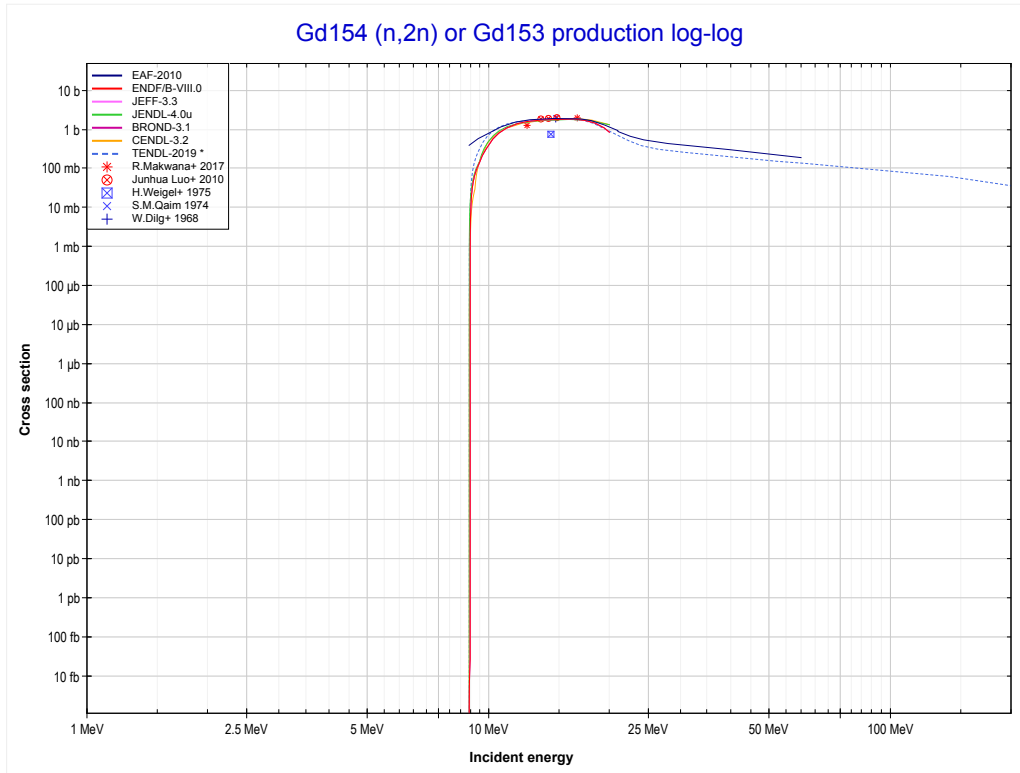
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 90.9316 b | 90.9316 b | 90.8 b | 0.99855 | 405.621 b | 6.74061 b | 5.14362 b |
| JEFF-3.3 | 90.9316 b | 90.9316 b | 90.8 b | 0.99855 | 405.621 b | 6.74061 b | 5.14362 b |
| JENDL-4.0u | 91.6173 b | 91.6173 b | 91.845 b | 1.00248 | 507.664 b | 6.69705 b | 5.26754 b |
| BROND-3.1 | 90.9316 b | 90.9316 b | 90.8 b | 0.99855 | 405.621 b | 6.74061 b | 5.14362 b |
| CENDL-3.2 | 92.3596 b | 92.3596 b | 92.633 b | 1.00296 | 406.742 b | 6.71079 b | 5.2023 b |
| TENDL-2019 | 93.0899 b | 93.0899 b | 93.196 b | 1.00113 | 436.375 b | 6.70348 b | 5.10543 b |

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| << 64-Gd-152 | 64-Gd-154 | 64-Gd-155 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



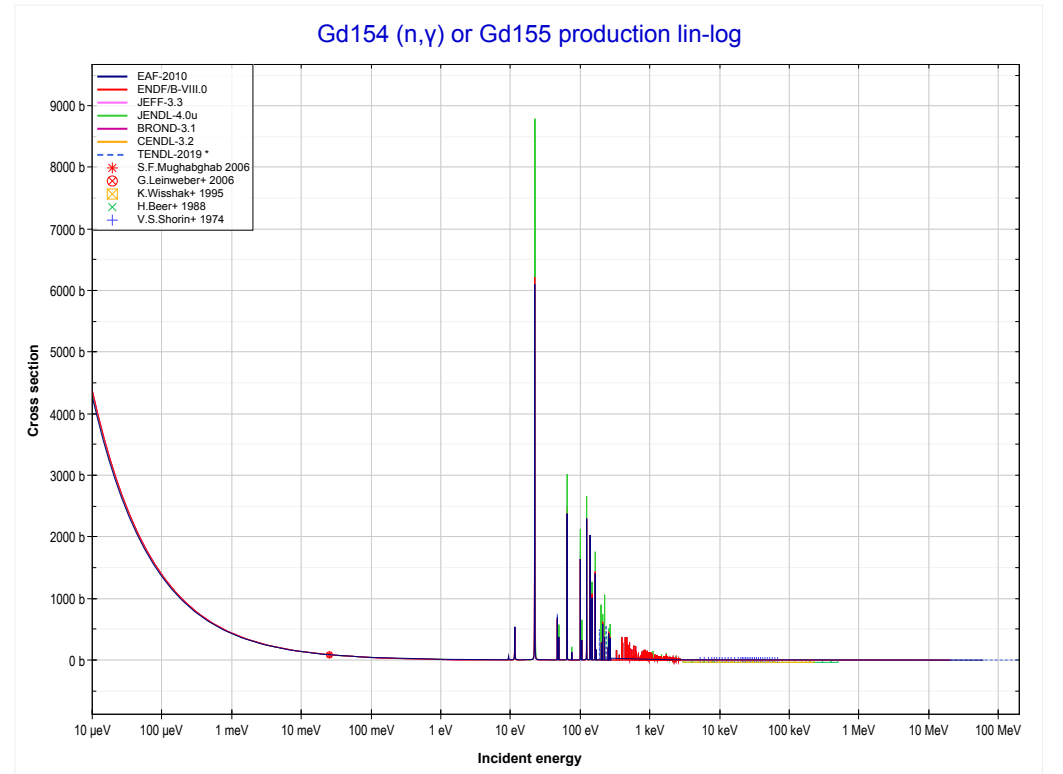
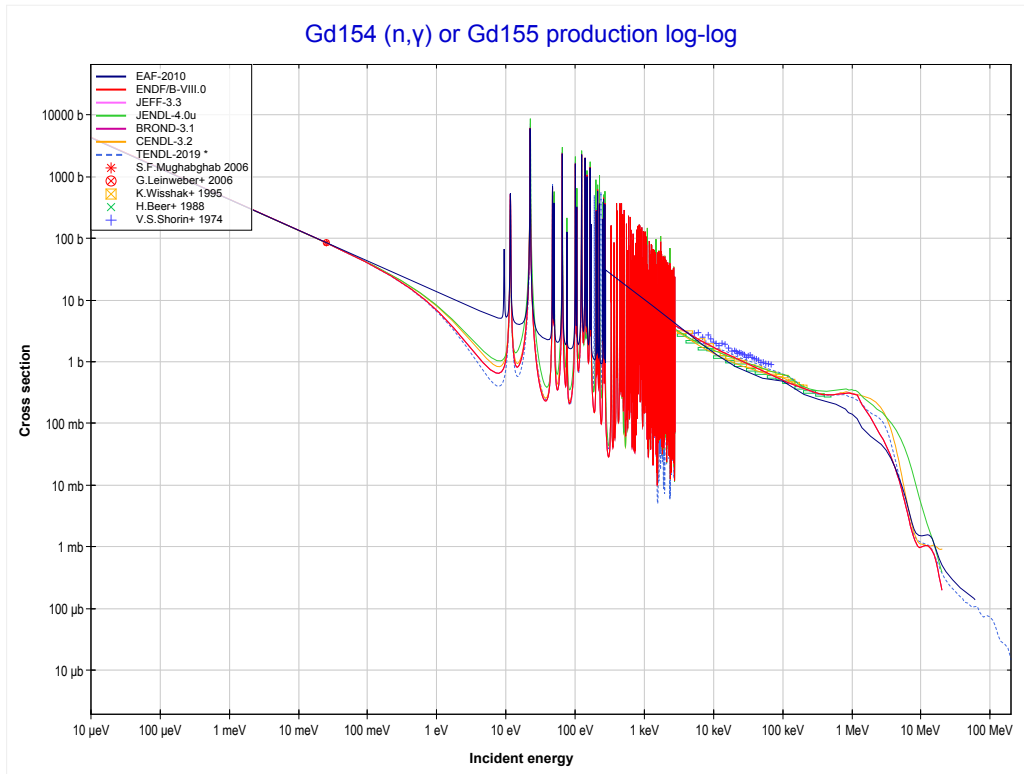
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.7412 b | 5.7412 b | 6.4485 b | 1.1232 | 189.819 b | 4.28135 b | 2.71529 b |
| JEFF-3.3 | 5.7412 b | 5.7412 b | 6.4485 b | 1.1232 | 189.819 b | 4.28135 b | 2.71529 b |
| JENDL-4.0u | 6.56392 b | 6.56392 b | 7.3798 b | 1.1243 | 220.866 b | 4.41066 b | 2.77521 b |
| BROND-3.1 | 5.7412 b | 5.7412 b | 6.4485 b | 1.1232 | 189.819 b | 4.28135 b | 2.71529 b |
| CENDL-3.2 | 7.37935 b | 7.37935 b | 8.2987 b | 1.12458 | 193.102 b | 4.36063 b | 2.75386 b |
| TENDL-2019 | 8.1235 b | 8.1235 b | 9.1329 b | 1.12425 | 206.877 b | 4.32617 b | 2.62725 b |

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| << 64-Gd-152 | 64-Gd-154 | 64-Gd-155 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd153 production) | MT102 (n, γ) >> |



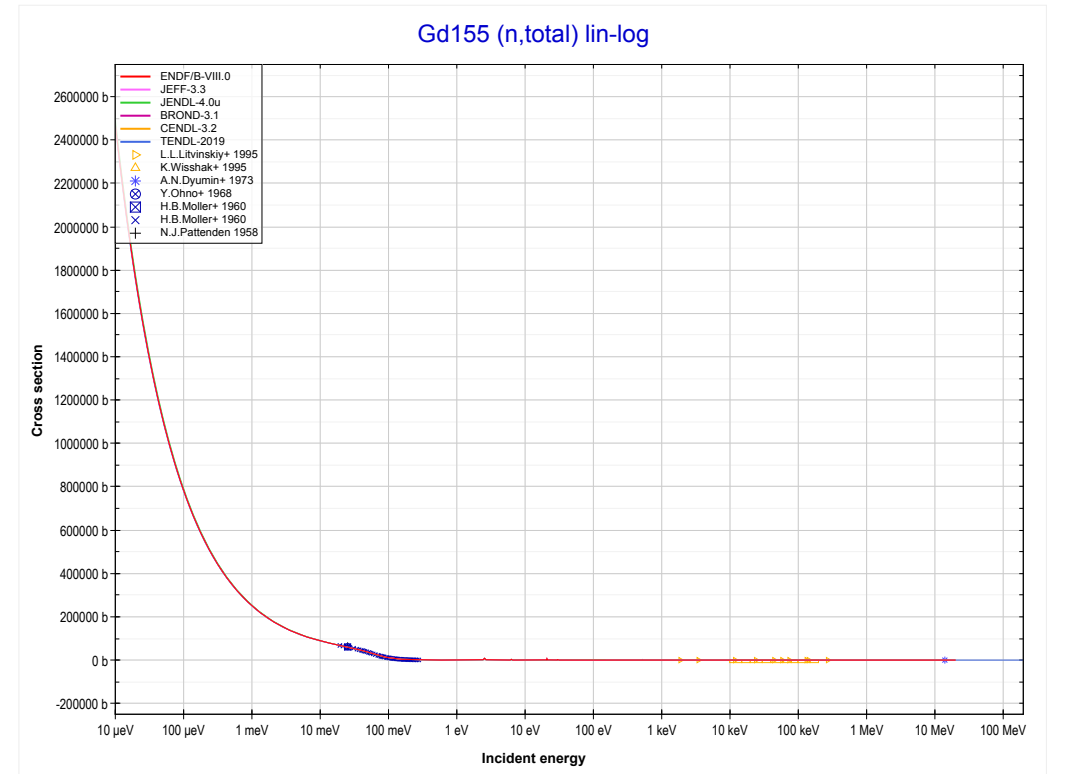
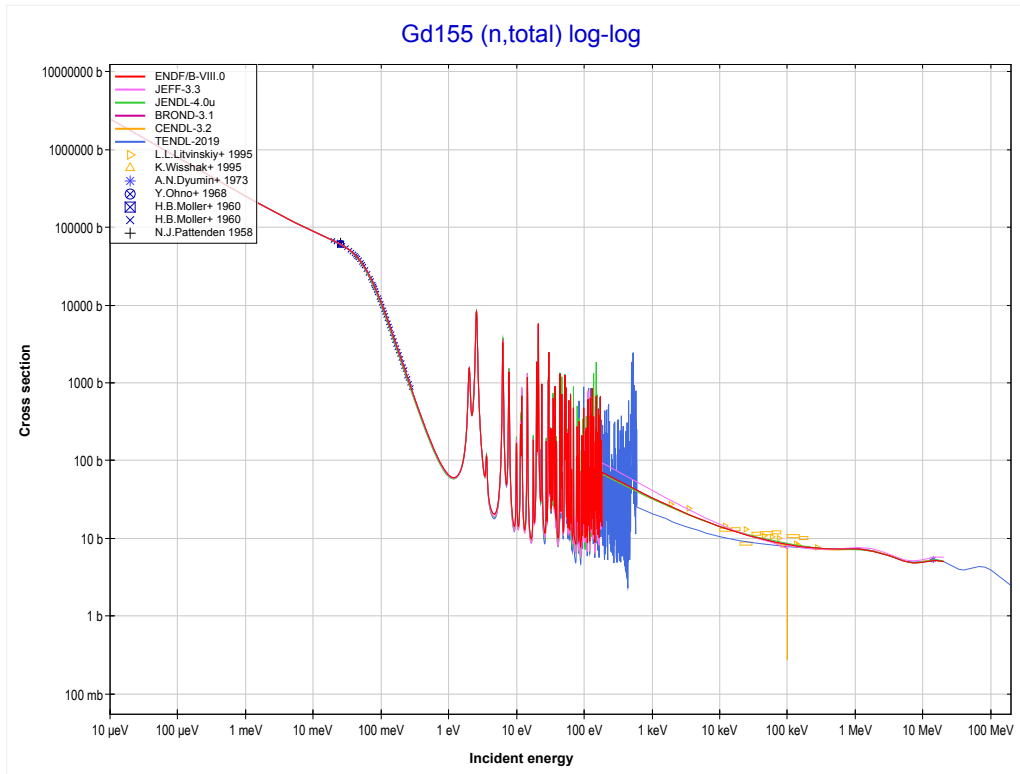
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00321852 b | 1.89079 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00240644 b | 1.77827 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00240644 b | 1.77827 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00257774 b | 1.72784 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00240644 b | 1.77827 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0024364 b | 1.785 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00319234 b | 1.79855 b |

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| << 64-Gd-153 | 64-Gd-154 | 64-Gd-155 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Gd155 production) | 64-Gd-155 MT1 (n,total) >> |



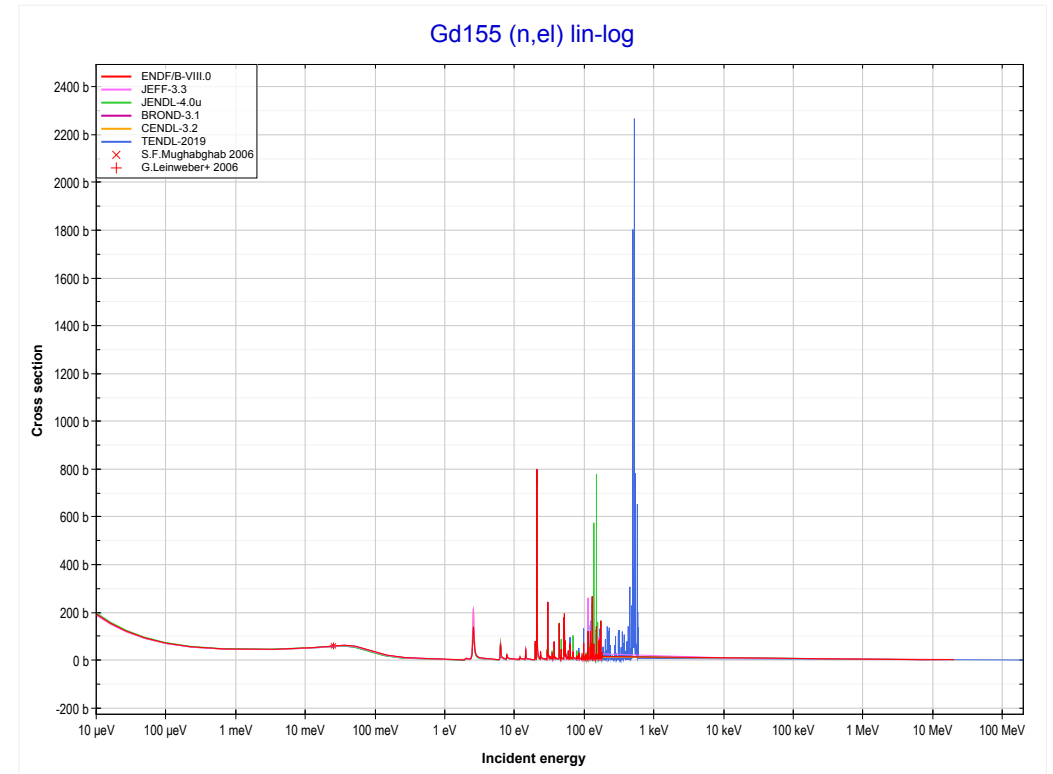
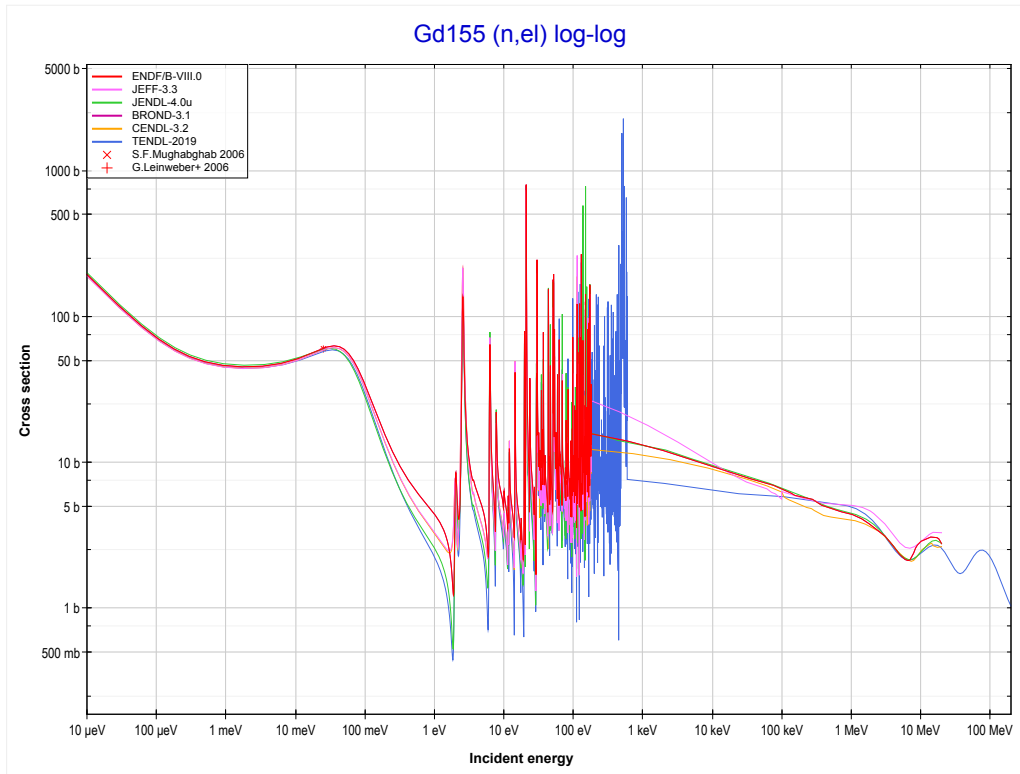
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 85.1144 b | 85.0508 b | 85.028 b | 0.99973 | 247 b | 0.113695 b | 0.0014379 b |
| ENDF/B-VIII.0 | 85.1904 b | 85.1904 b | 84.351 b | 0.99015 | 215.802 b | 0.183558 b | 9.2301E-4 b |
| JEFF-3.3 | 85.1904 b | 85.1904 b | 84.351 b | 0.99015 | 215.802 b | 0.183558 b | 9.2301E-4 b |
| JENDL-4.0u | 85.0534 b | 85.0534 b | 84.465 b | 0.99308 | 286.798 b | 0.246814 b | 0.00154389 b |
| BROND-3.1 | 85.1904 b | 85.1904 b | 84.351 b | 0.99015 | 215.802 b | 0.183558 b | 9.2301E-4 b |
| CENDL-3.2 | 84.9803 b | 84.9803 b | 84.335 b | 0.9924 | 213.633 b | 0.235769 b | 0.0010359 b |
| TENDL-2019 | 84.9658 b | 84.9658 b | 84.062 b | 0.98937 | 229.493 b | 0.193504 b | 9.56274E-4 b |

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|-----------------------------------|----------------------|--------------------|
| << 64-Gd-154 | 64-Gd-155 | 64-Gd-156 >> |
| << 64-Gd-154 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



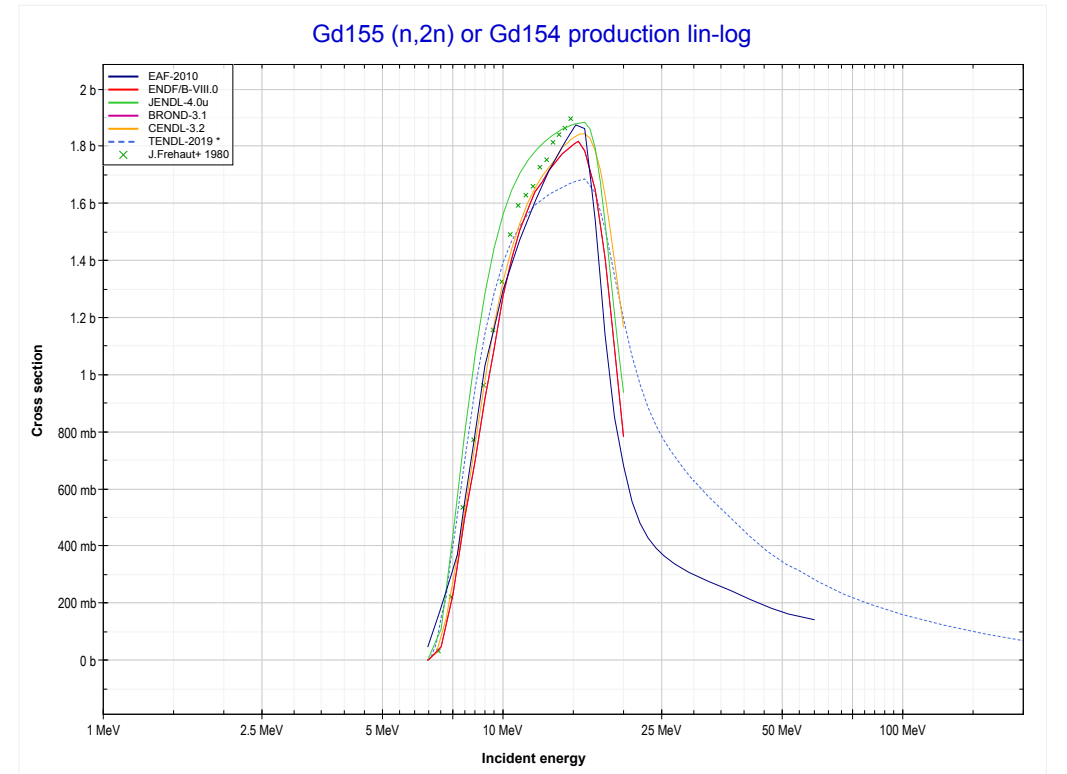
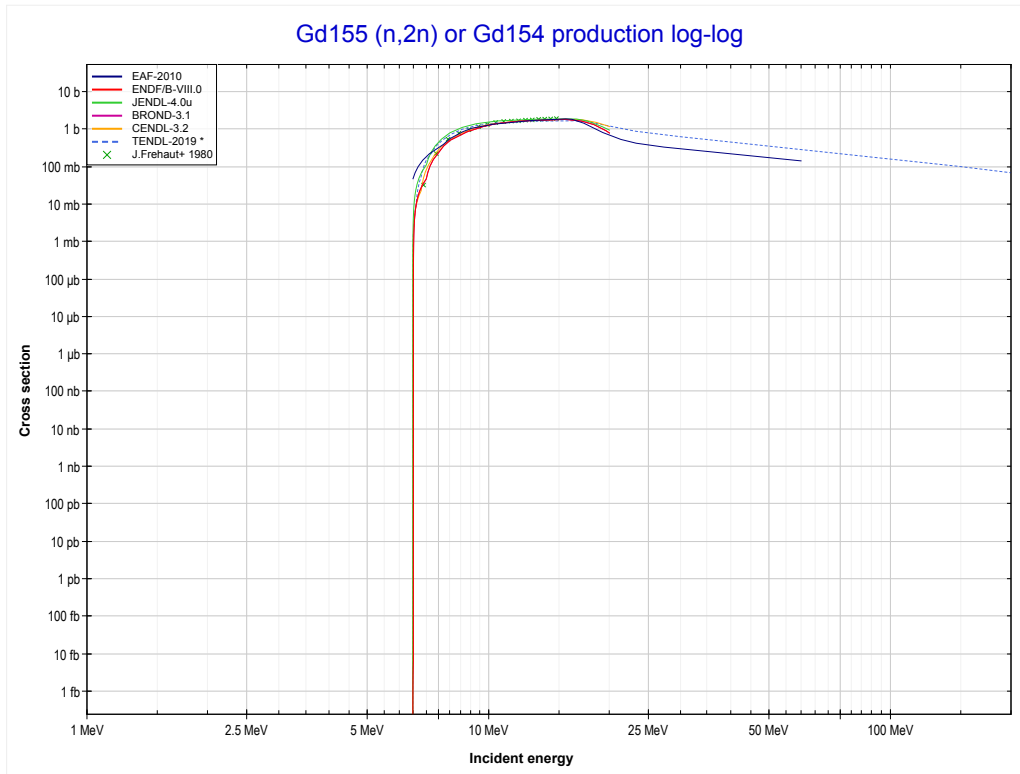
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 60797.7 b | 60797.7 b | 51314 b | 0.84402 | 1688.39 b | 6.73927 b | 5.18257 b |
| JEFF-3.3 | 60802.7 b | 60802.7 b | 51318 b | 0.844 | 1706.32 b | 6.98785 b | 5.68145 b |
| JENDL-4.0u | 60802.4 b | 60802.4 b | 50738 b | 0.83447 | 1697.07 b | 6.69332 b | 5.29753 b |
| BROND-3.1 | 60797.7 b | 60797.7 b | 51314 b | 0.84402 | 1688.39 b | 6.73927 b | 5.18257 b |
| CENDL-3.2 | 60788.3 b | 60788.3 b | 51290 b | 0.84375 | 1666.82 b | 6.71917 b | 5.2823 b |
| TENDL-2019 | 60235.8 b | 60235.8 b | 50923 b | 0.8454 | 1694.42 b | 6.75853 b | 5.24927 b |

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| << 64-Gd-154 | 64-Gd-155 | 64-Gd-156 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



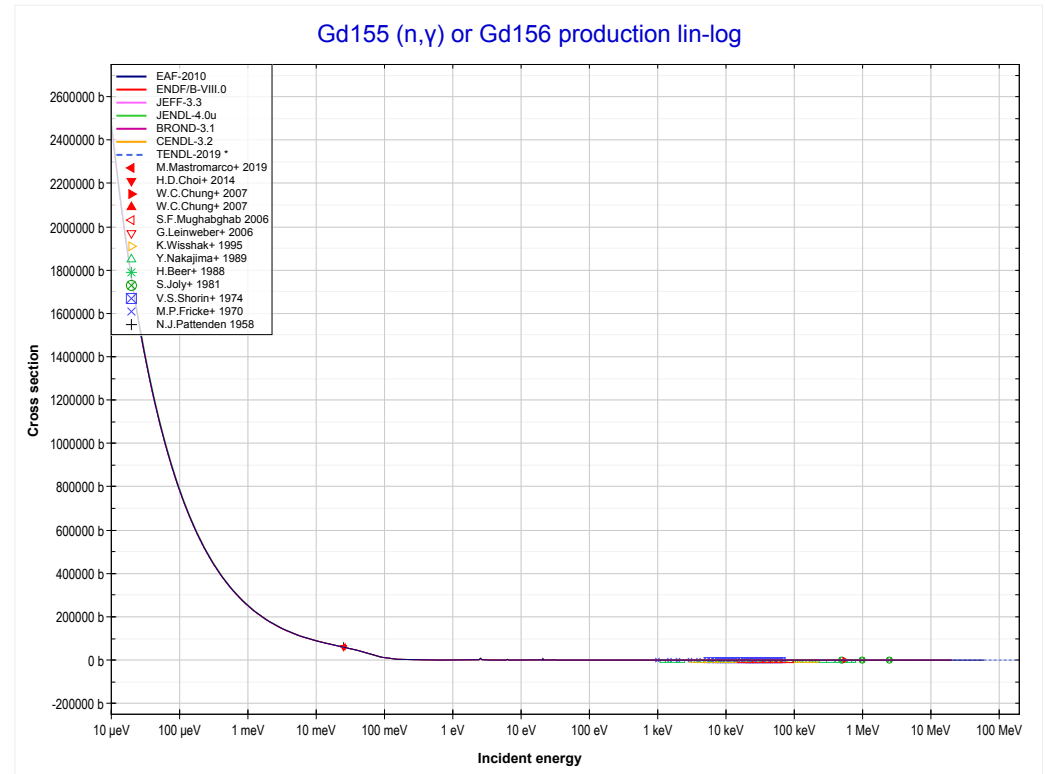
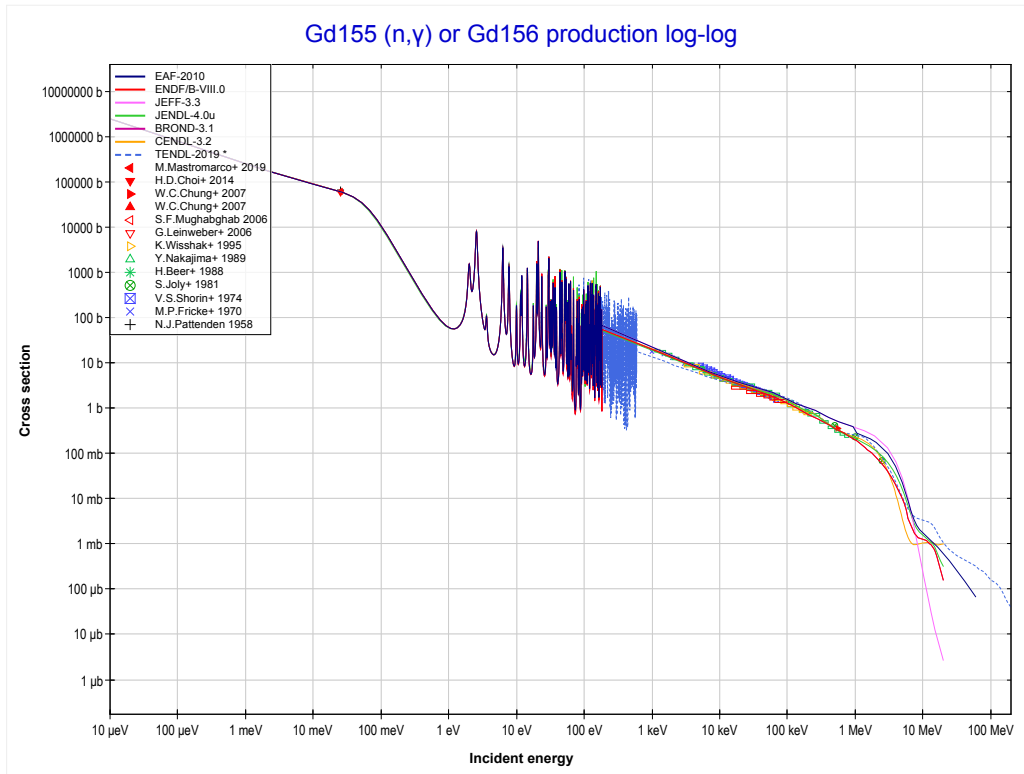
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 60.5623 b | 60.5623 b | 59.283 b | 0.97888 | 150.175 b | 3.93746 b | 3.06943 b |
| JEFF-3.3 | 59.0096 b | 59.0096 b | 57.322 b | 0.97139 | 161.832 b | 4.51735 b | 3.24425 b |
| JENDL-4.0u | 59.4815 b | 59.4815 b | 55.442 b | 0.93208 | 137.362 b | 4.01297 b | 2.84242 b |
| BROND-3.1 | 60.5623 b | 60.5623 b | 59.283 b | 0.97888 | 150.175 b | 3.93746 b | 3.06943 b |
| CENDL-3.2 | 59.0219 b | 59.0219 b | 57.26 b | 0.97014 | 134.399 b | 3.68605 b | 2.76928 b |
| TENDL-2019 | 57.5122 b | 57.5122 b | 55.043 b | 0.95706 | 159.881 b | 4.16954 b | 2.66817 b |

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| << 64-Gd-154 | 64-Gd-155 | 64-Gd-156 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd154 production) | MT102 (n, γ) >> |



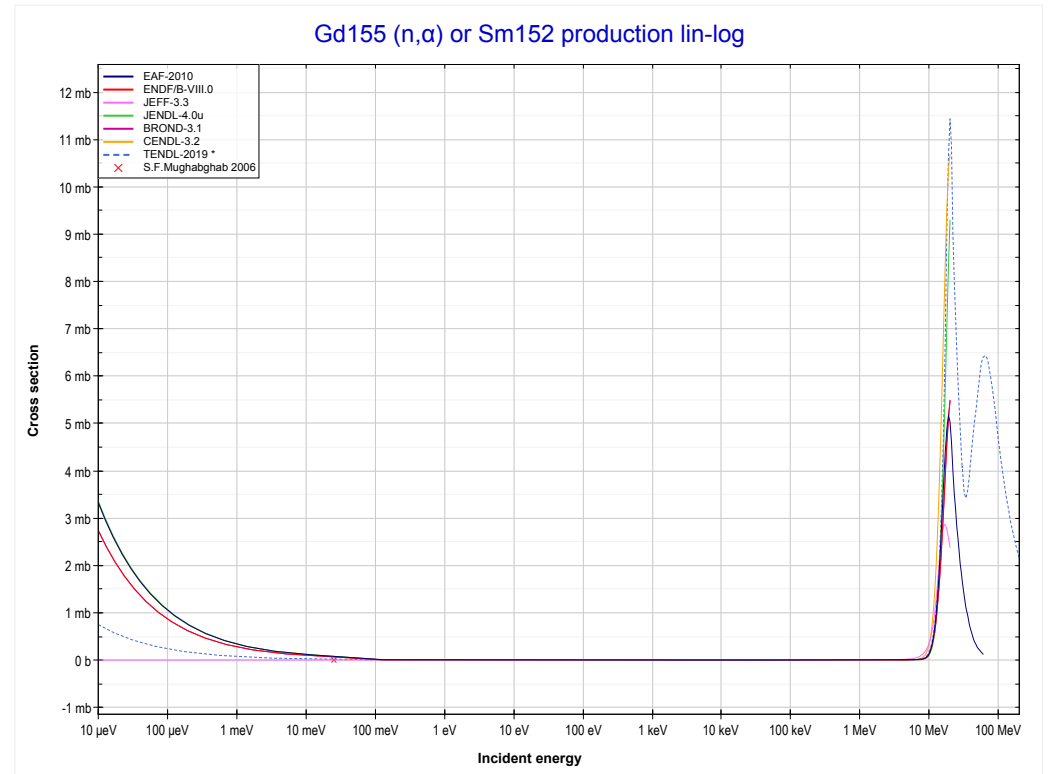
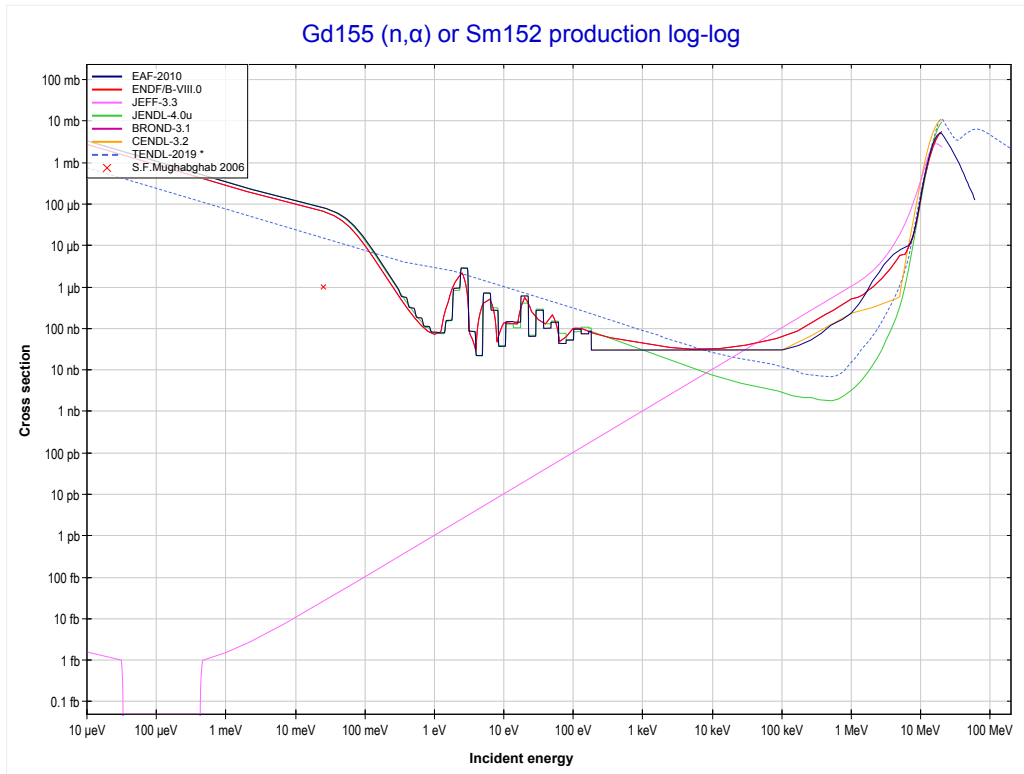
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0110956 b | 1.79304 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00967172 b | 1.77168 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0137299 b | 1.85898 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00967172 b | 1.77168 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0103528 b | 1.7945 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123232 b | 1.65527 b |

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|----------------|--|-------------------------|
| << 64-Gd-154 | 64-Gd-155 | 64-Gd-156 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Gd156 production) | MT107 (n, α) >> |



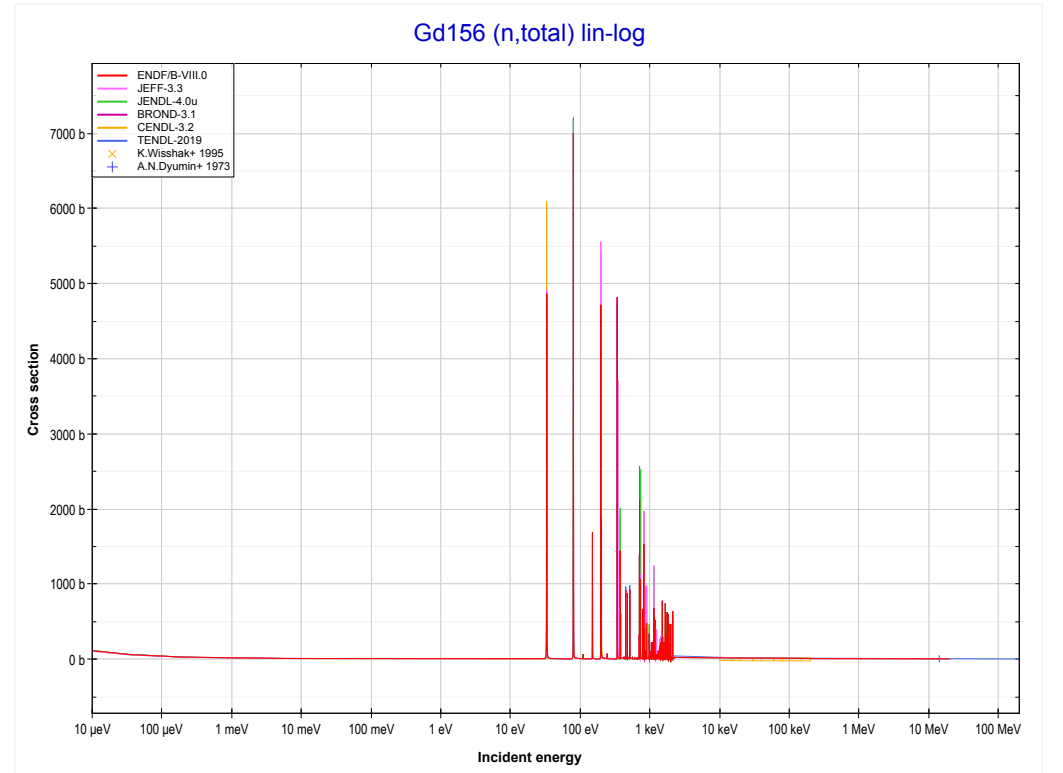
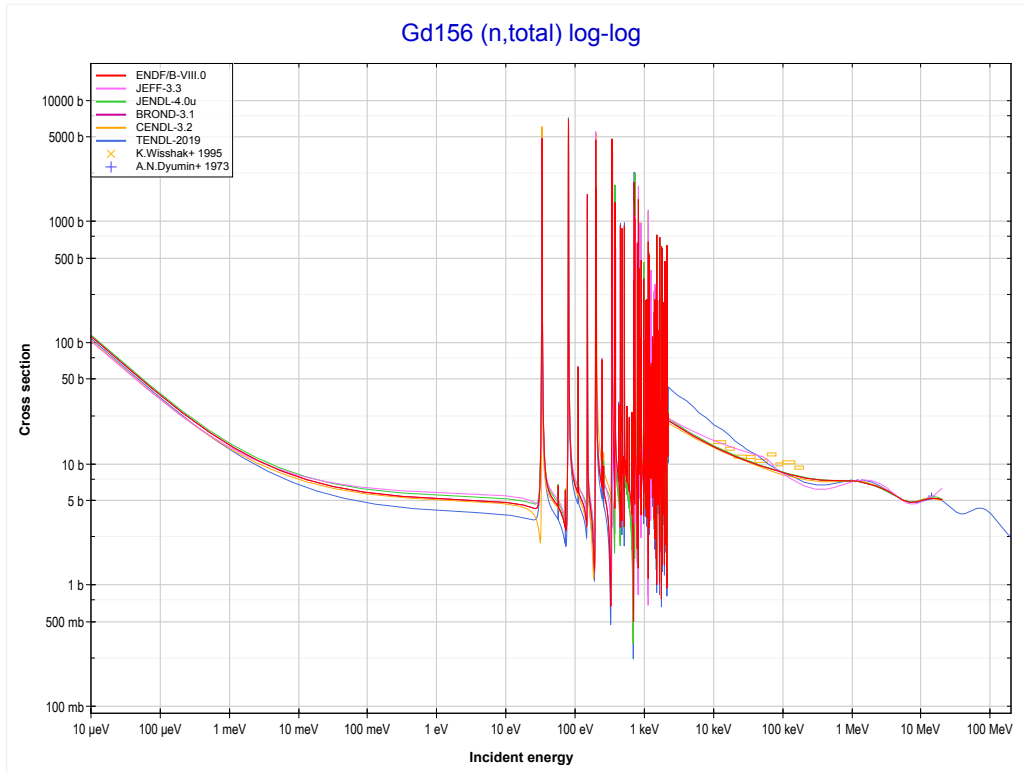
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 60792 b | 60749.1 b | 51212 b | 0.84305 | 1543.41 b | 0.316797 b | 0.00109223 b |
| ENDF/B-VIII.0 | 60737.1 b | 60737.1 b | 51255 b | 0.84389 | 1538.11 b | 0.204201 b | 8.59036E-4 b |
| JEFF-3.3 | 60743.7 b | 60743.7 b | 51260 b | 0.84388 | 1544.41 b | 0.348474 b | 2.06951E-5 b |
| JENDL-4.0u | 60743 b | 60743 b | 50682 b | 0.83437 | 1559.6 b | 0.228527 b | 0.00100157 b |
| BROND-3.1 | 60737.1 b | 60737.1 b | 51255 b | 0.84389 | 1538.11 b | 0.204201 b | 8.59036E-4 b |
| CENDL-3.2 | 60729.2 b | 60729.2 b | 51233 b | 0.84362 | 1532.35 b | 0.232812 b | 0.001076 b |
| TENDL-2019 | 60178.3 b | 60178.3 b | 50868 b | 0.84529 | 1534.48 b | 0.249535 b | 0.00260077 b |

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|-------------------------|--|----------------------------|
| << 64-Gd-153 | 64-Gd-155 | 64-Gd-156 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Sm152 production) | 64-Gd-156 MT1 (n,total) >> |



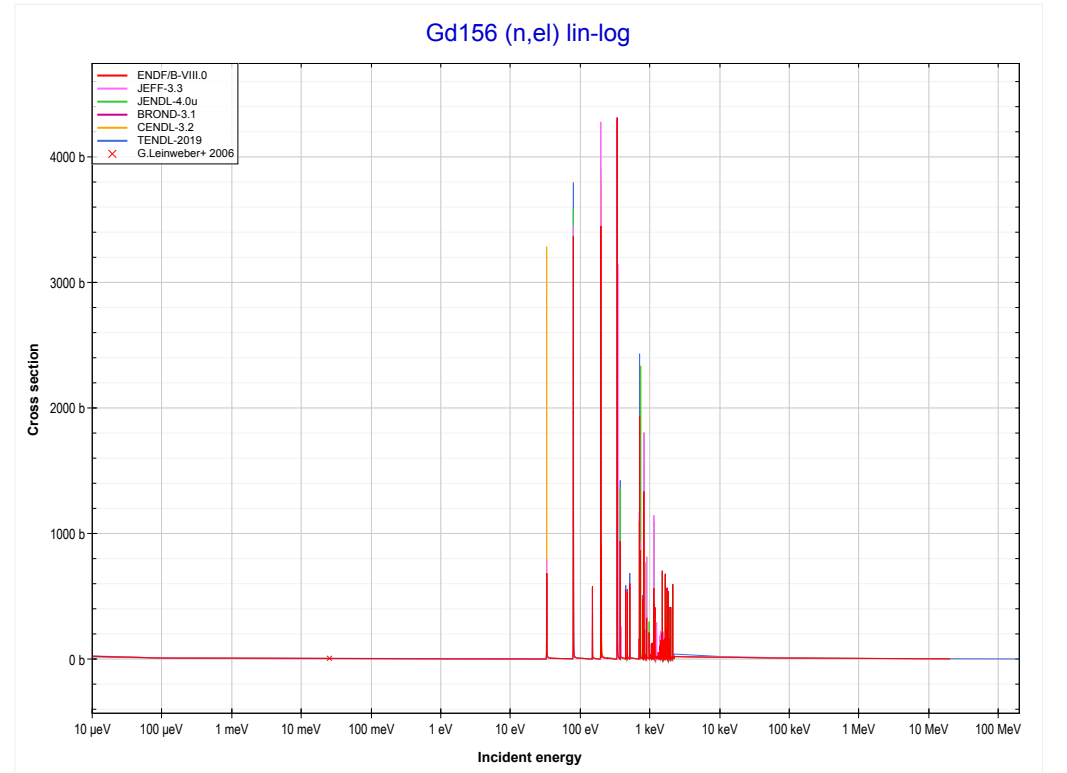
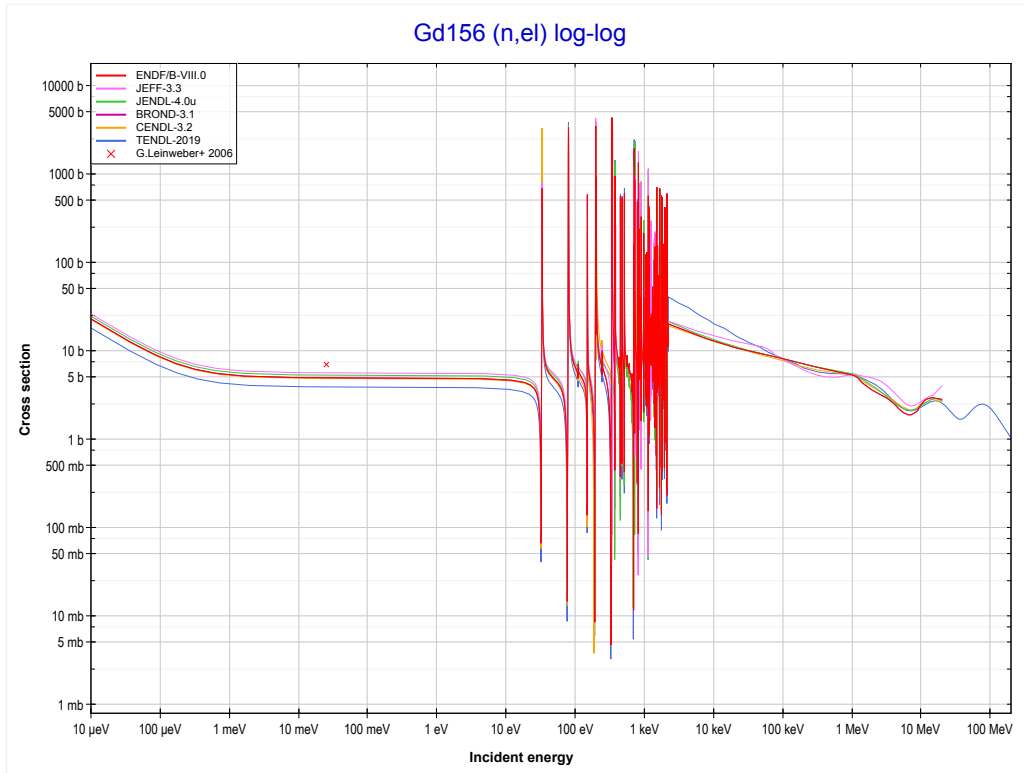
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.168E-5 b | 8.16172E-5 b | 6.8879E-5 b | 0.84391 | 2.03695E-6 b | 3.43534E-6 b | 0.00192174 b |
| ENDF/B-VIII.0 | 6.65714E-5 b | 6.65714E-5 b | 5.4782E-5 b | 0.82291 | 2.0233E-6 b | 2.74603E-6 b | 0.00161 b |
| JEFF-3.3 | 2.62156E-14 b | 2.62156E-14 b | 5.8606E-14 b | 2.23553 | 1.01669E-7 b | 7.56452E-6 b | 0.0020646 b |
| JENDL-4.0u | 8.15375E-5 b | 8.15375E-5 b | 6.8095E-5 b | 0.83513 | 1.92771E-6 b | 1.47734E-6 b | 0.00186223 b |
| BROND-3.1 | 6.65714E-5 b | 6.65714E-5 b | 5.4782E-5 b | 0.82291 | 2.0233E-6 b | 2.74603E-6 b | 0.00161 b |
| CENDL-3.2 | 8.1655E-5 b | 8.1655E-5 b | 6.8905E-5 b | 0.84385 | 2.03698E-6 b | 3.86755E-6 b | 0.0037339 b |
| TENDL-2019 | 1.49526E-5 b | 1.49526E-5 b | 1.4948E-5 b | 0.9997 | 8.6792E-6 b | 2.13073E-6 b | 0.00211409 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-155 | 64-Gd-156 | 64-Gd-157 >> |
| << 64-Gd-155 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



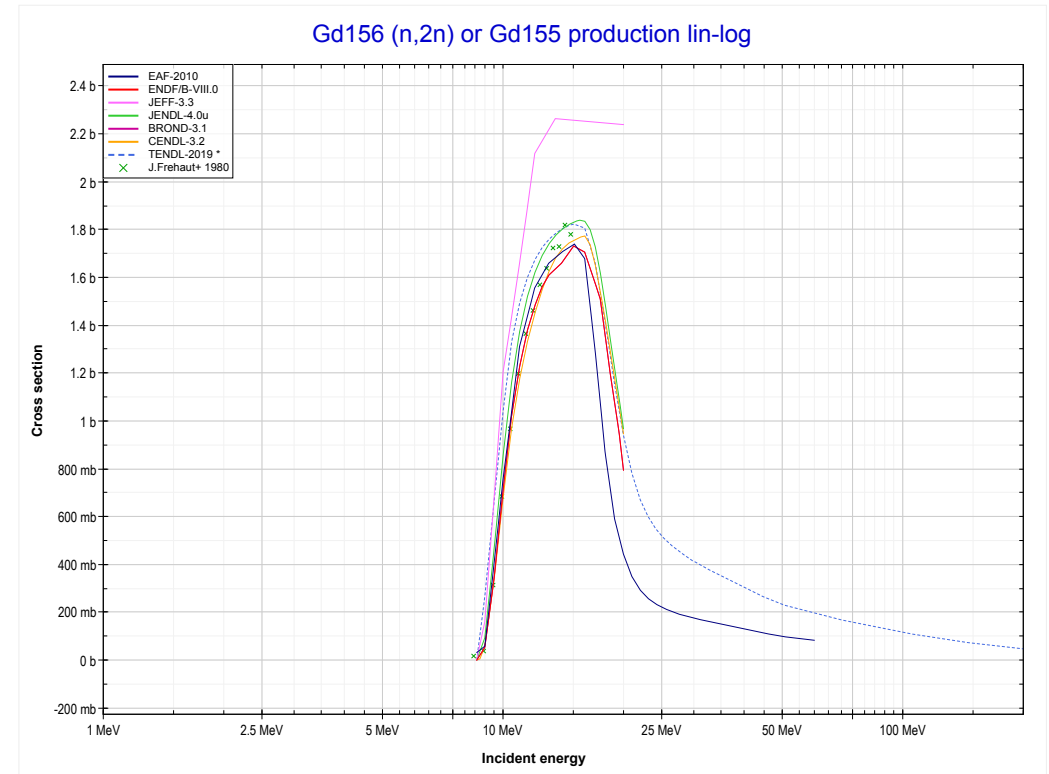
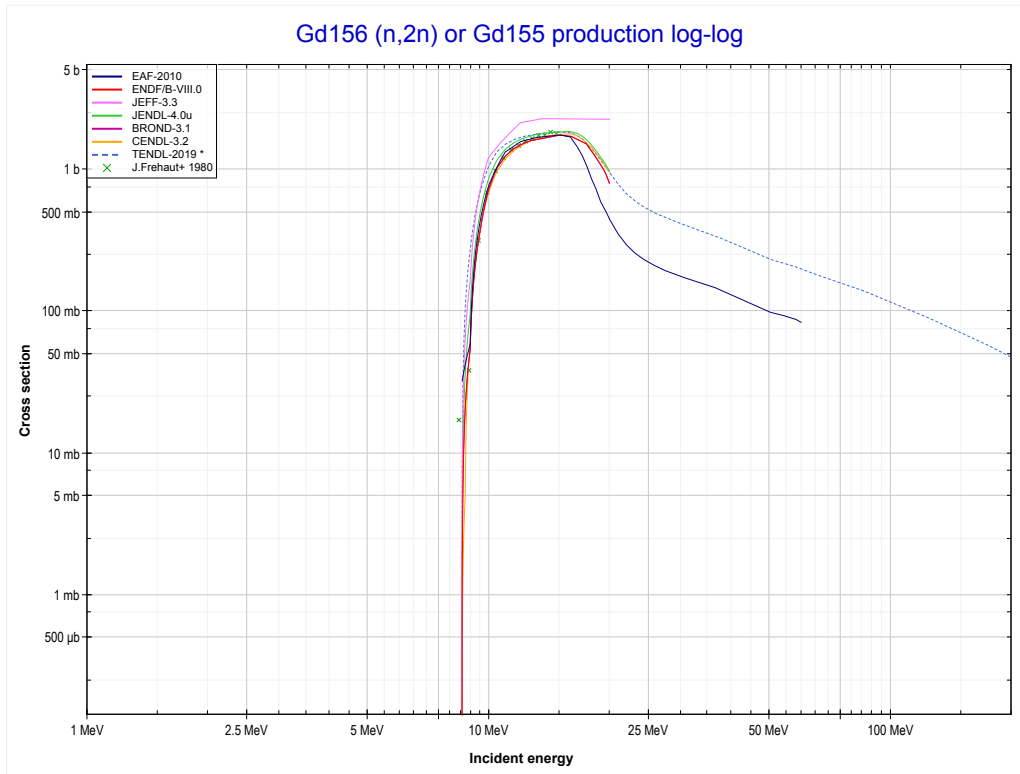
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.69422 b | 6.69422 b | 7.3242 b | 1.09411 | 307.989 b | 6.73576 b | 5.17749 b |
| JEFF-3.3 | 7.10888 b | 7.10888 b | 7.8251 b | 1.10075 | 308.872 b | 6.71849 b | 5.38365 b |
| JENDL-4.0u | 7.07292 b | 7.07292 b | 7.7475 b | 1.09537 | 298.463 b | 6.71043 b | 5.32844 b |
| BROND-3.1 | 6.69422 b | 6.69422 b | 7.3242 b | 1.09411 | 307.989 b | 6.73576 b | 5.17749 b |
| CENDL-3.2 | 6.45435 b | 6.45435 b | 7.0733 b | 1.0959 | 328.519 b | 6.72958 b | 5.2823 b |
| TENDL-2019 | 5.65894 b | 5.65894 b | 6.1556 b | 1.08776 | 329.366 b | 6.76477 b | 5.17586 b |

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|------------------|------------------------|----------------|
| << 64-Gd-155 | 64-Gd-156 | 64-Gd-157 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



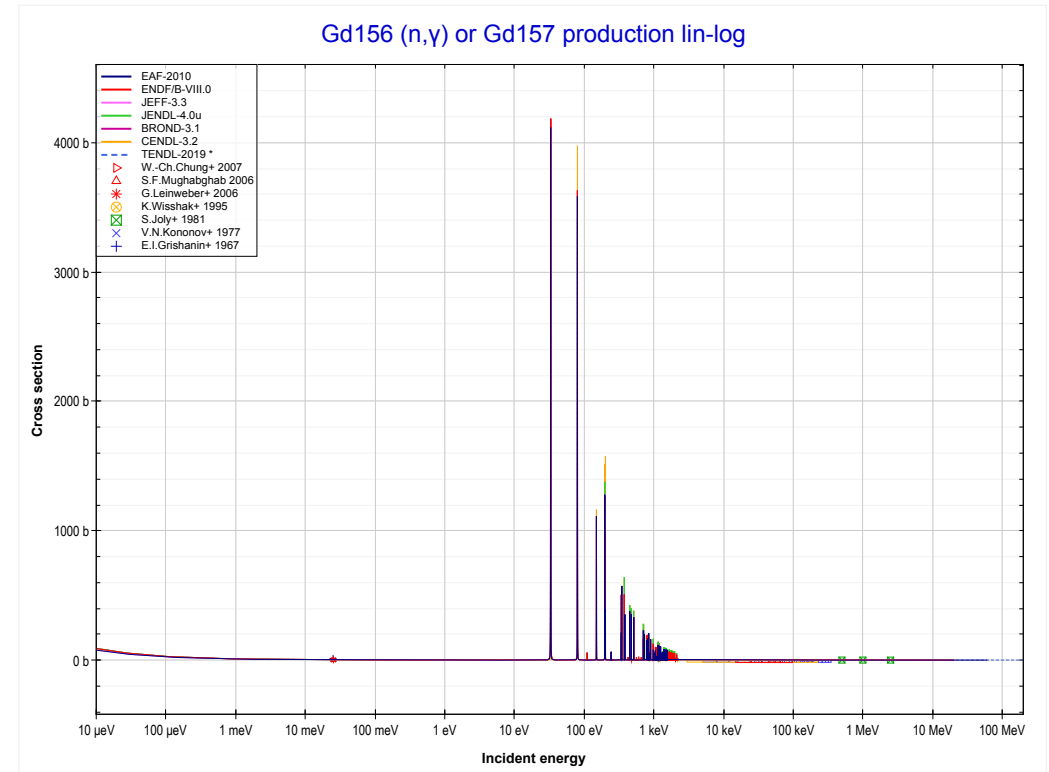
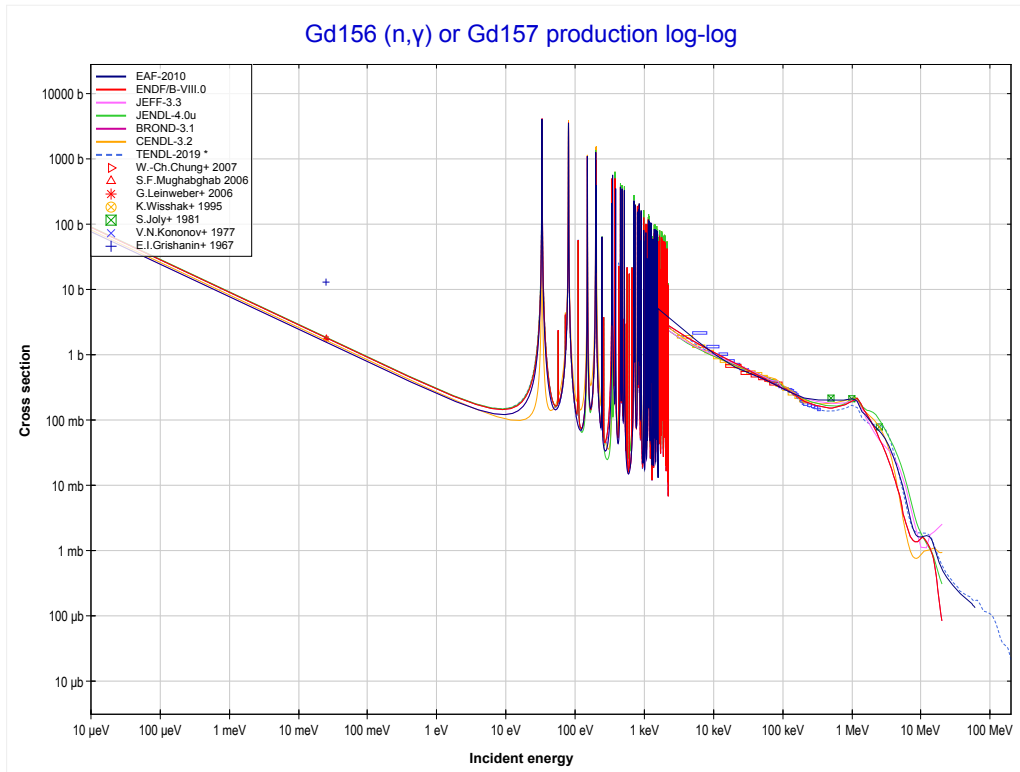
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 4.8991 b | 4.8991 b | 5.5275 b | 1.12827 | 200.835 b | 4.29522 b | 2.923 b |
| JEFF-3.3 | 5.57271 b | 5.57271 b | 6.2876 b | 1.12828 | 208.626 b | 4.75989 b | 3.0722 b |
| JENDL-4.0u | 5.24563 b | 5.24563 b | 5.9185 b | 1.12828 | 192.474 b | 4.51424 b | 2.7824 b |
| BROND-3.1 | 4.8991 b | 4.8991 b | 5.5275 b | 1.12827 | 200.835 b | 4.29522 b | 2.923 b |
| CENDL-3.2 | 4.81919 b | 4.81919 b | 5.4377 b | 1.12833 | 228.916 b | 4.36415 b | 2.80158 b |
| TENDL-2019 | 3.86227 b | 3.86227 b | 4.3579 b | 1.12833 | 225.543 b | 4.52626 b | 2.63788 b |

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|--------------------|--|-------------------------|
| << 64-Gd-155 | 64-Gd-156 | 64-Gd-157 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd155 production) | MT102 (n, γ) >> |



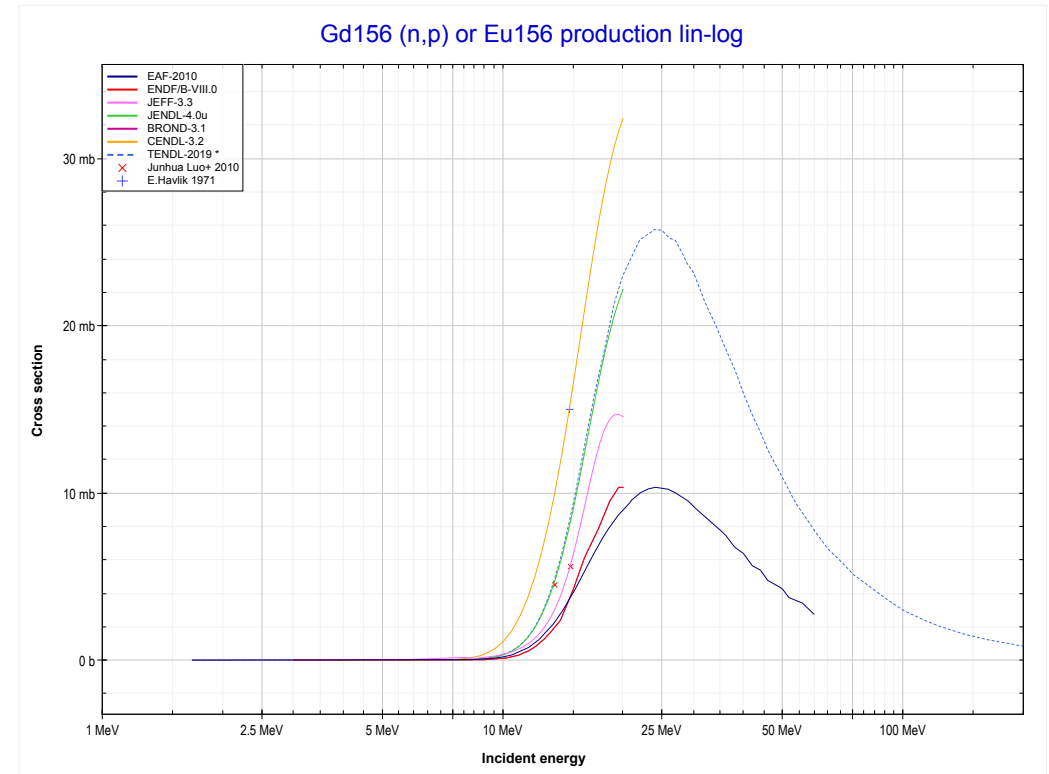
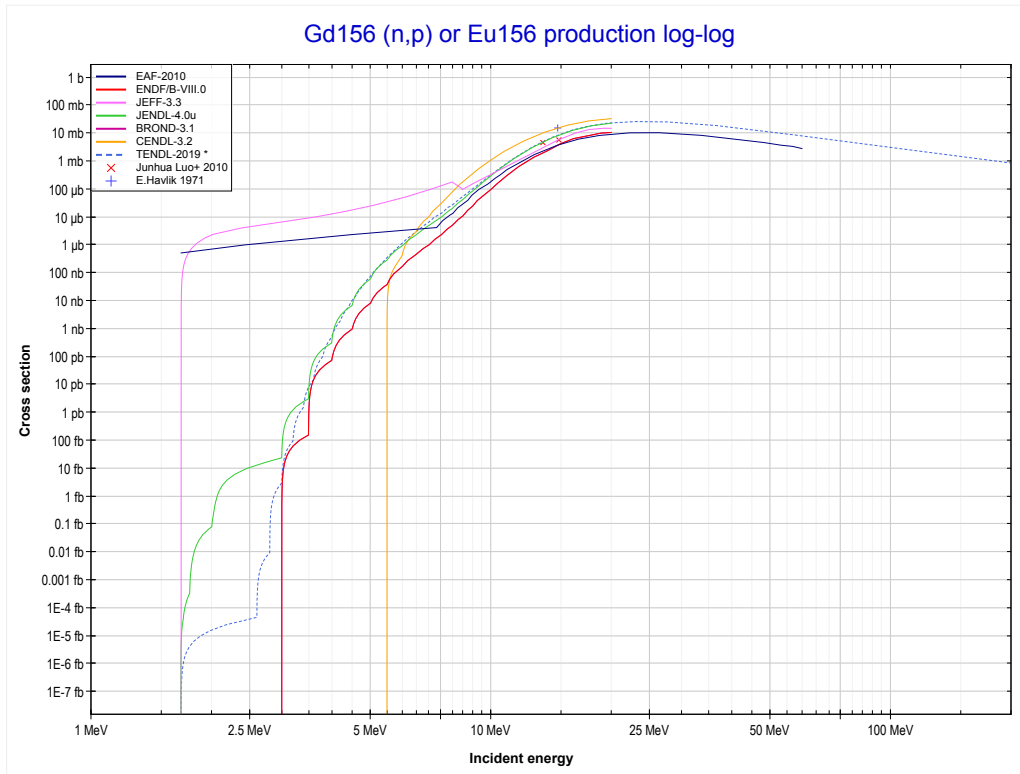
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00326427 b | 1.70532 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00309307 b | 1.65957 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00474183 b | 2.26189 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0035926 b | 1.79986 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00309307 b | 1.65957 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00300528 b | 1.7156 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00428963 b | 1.80199 b |

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|----------------|--|----------------|
| << 64-Gd-155 | 64-Gd-156 | 64-Gd-157 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Gd157 production) | MT103 (n,p) >> |



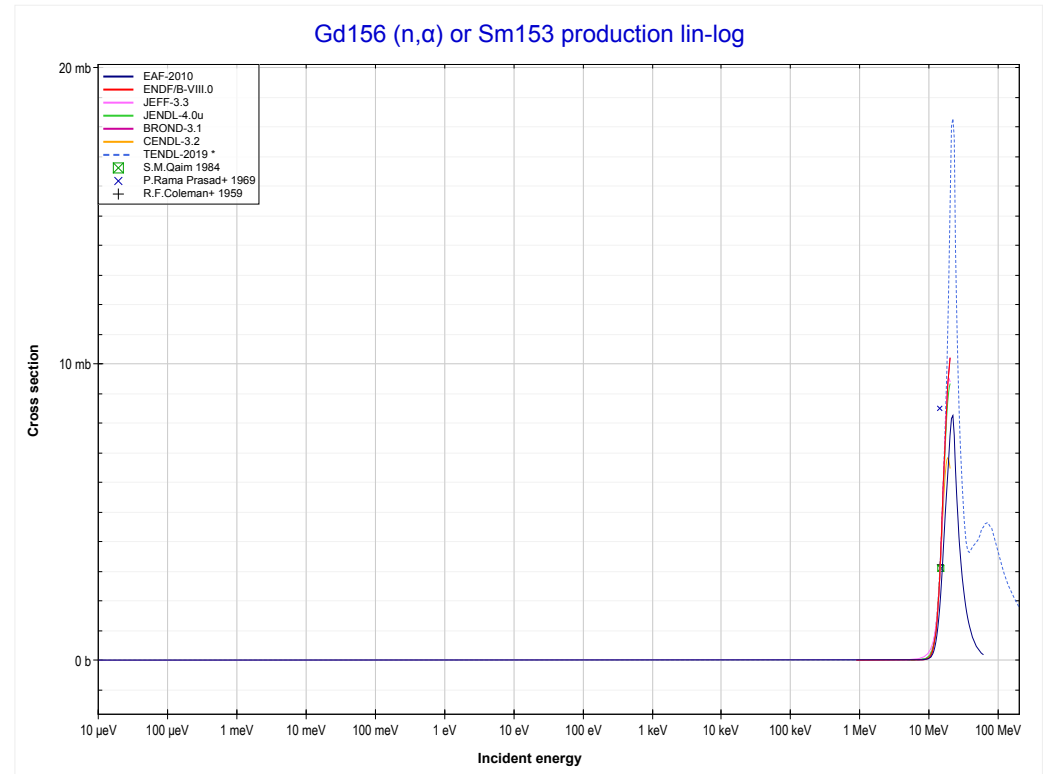
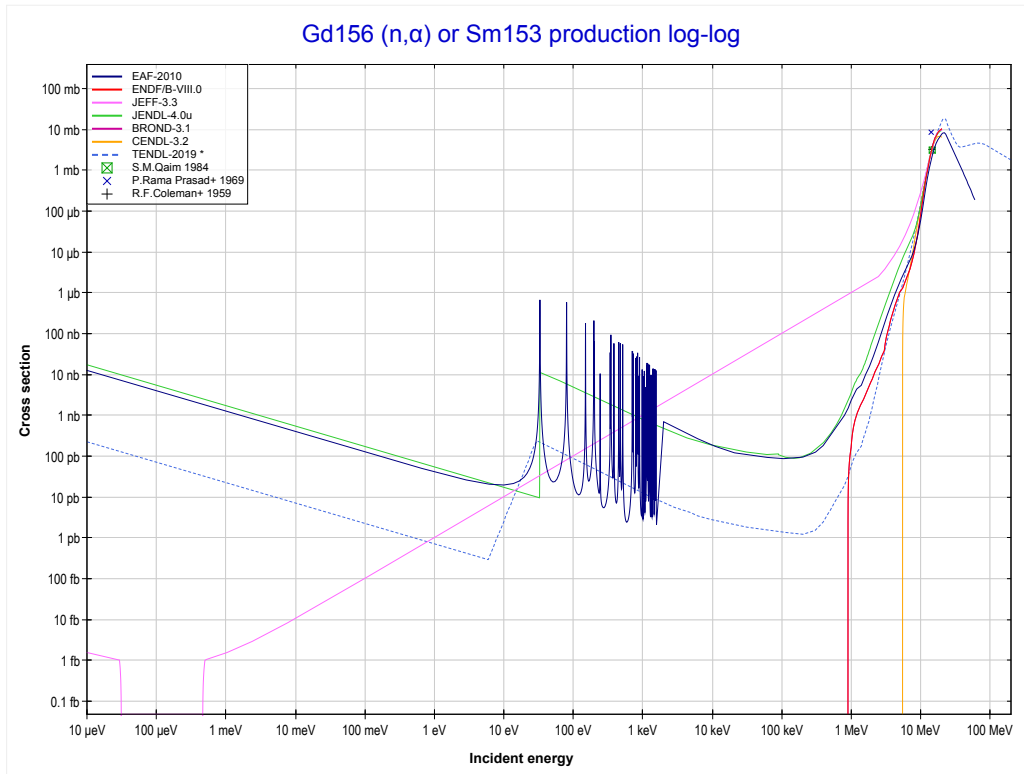
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.5372 b | 1.53605 b | 1.5365 b | 1.00032 | 101.562 b | 0.127968 b | 0.00151151 b |
| ENDF/B-VIII.0 | 1.79512 b | 1.79512 b | 1.7967 b | 1.00089 | 107.149 b | 0.116955 b | 9.7916E-4 b |
| JEFF-3.3 | 1.53617 b | 1.53617 b | 1.5375 b | 1.00086 | 100.24 b | 0.119127 b | 0.00177621 b |
| JENDL-4.0u | 1.82729 b | 1.82729 b | 1.8289 b | 1.00089 | 105.983 b | 0.137276 b | 9.8328E-4 b |
| BROND-3.1 | 1.79512 b | 1.79512 b | 1.7967 b | 1.00089 | 107.149 b | 0.116955 b | 9.79161E-4 b |
| CENDL-3.2 | 1.63517 b | 1.63517 b | 1.6356 b | 1.00029 | 99.5911 b | 0.130451 b | 0.0010411 b |
| TENDL-2019 | 1.79667 b | 1.79667 b | 1.7977 b | 1.00056 | 103.802 b | 0.108985 b | 0.00156951 b |

| | | |
|-------------------------|--|-------------------------|
| << 63-Eu-153 | 64-Gd-156 | 64-Gd-157 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Eu156 production) | MT107 (n, α) >> |



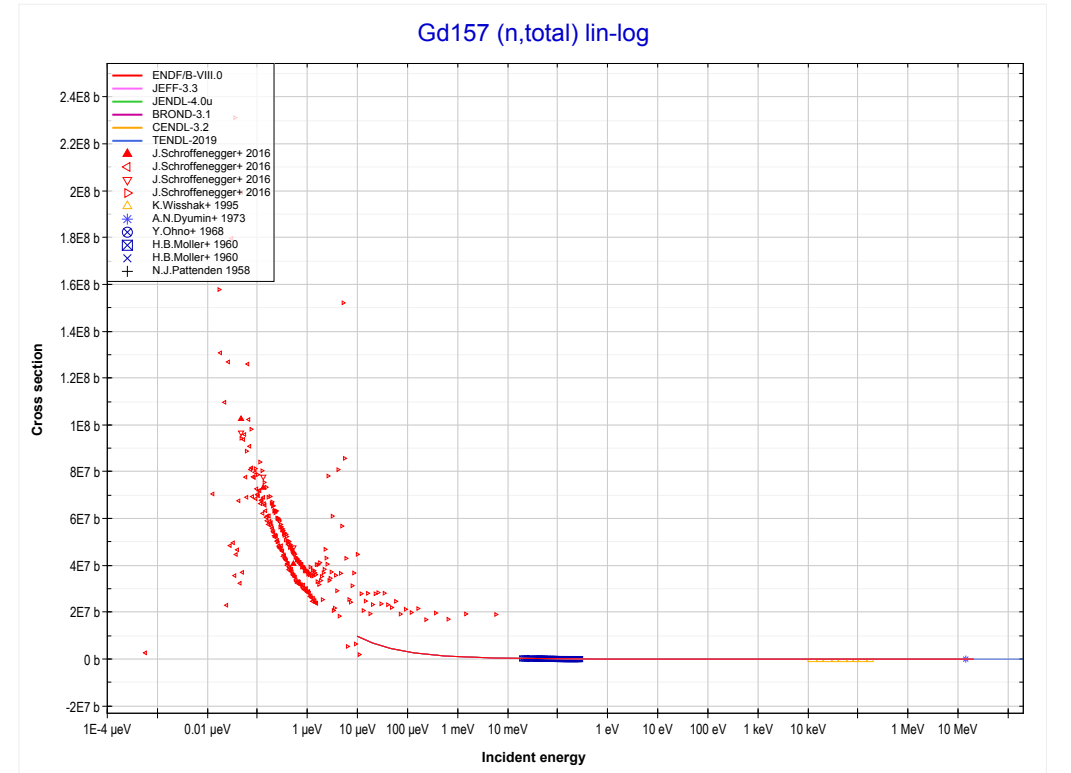
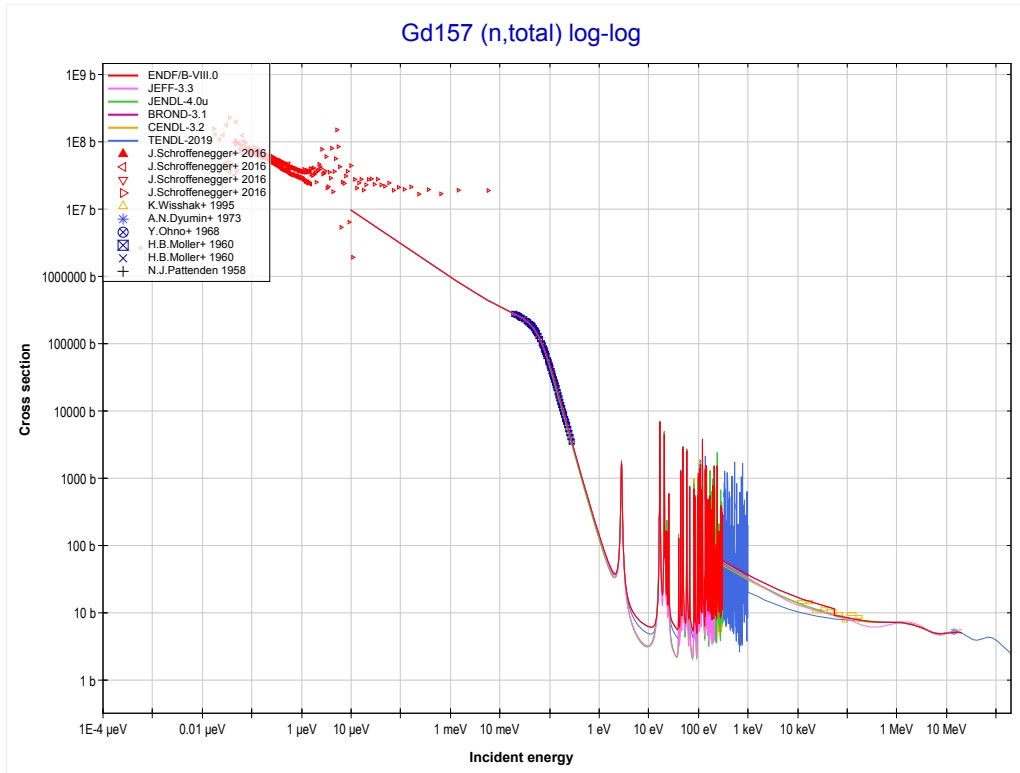
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.60928E-6 b | 0.00280656 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.63315E-6 b | 0.00246252 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.03666E-6 b | 0.0039067 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.0924E-6 b | 0.0059826 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.63315E-6 b | 0.00246252 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03869E-5 b | 0.012026 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.32024E-6 b | 0.00620258 b |

| | | |
|----------------|--|----------------------------|
| << 64-Gd-155 | 64-Gd-156 | 64-Gd-157 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Sm153 production) | 64-Gd-157 MT1 (n,total) >> |



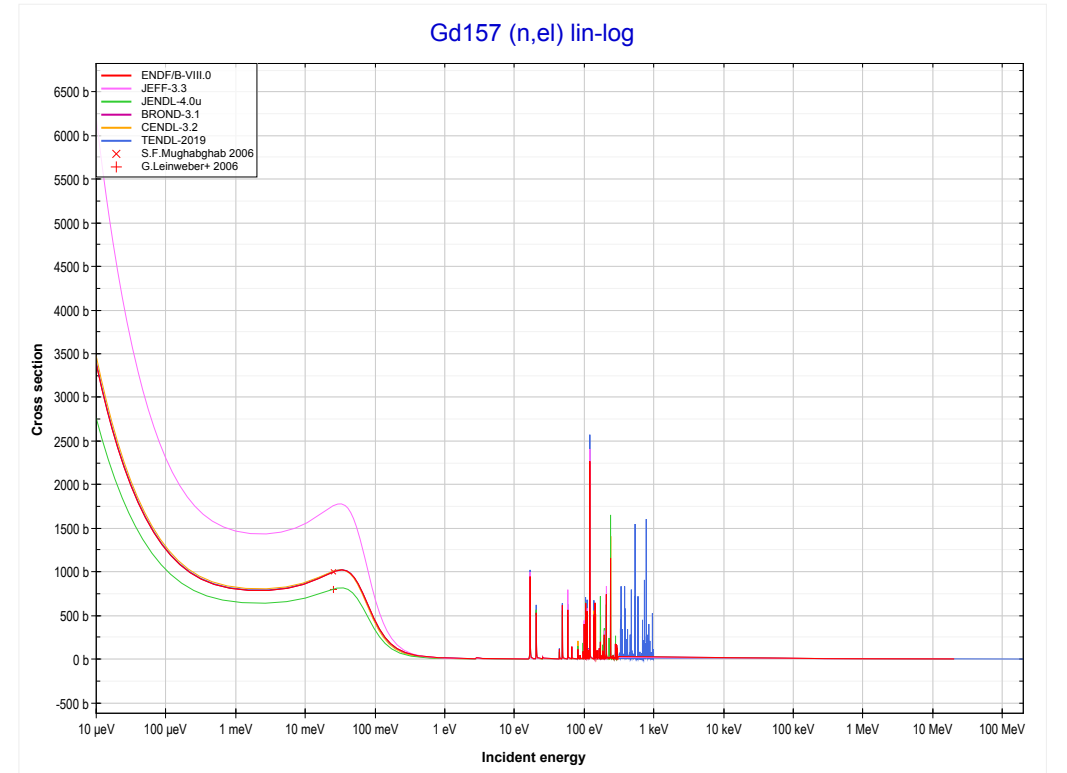
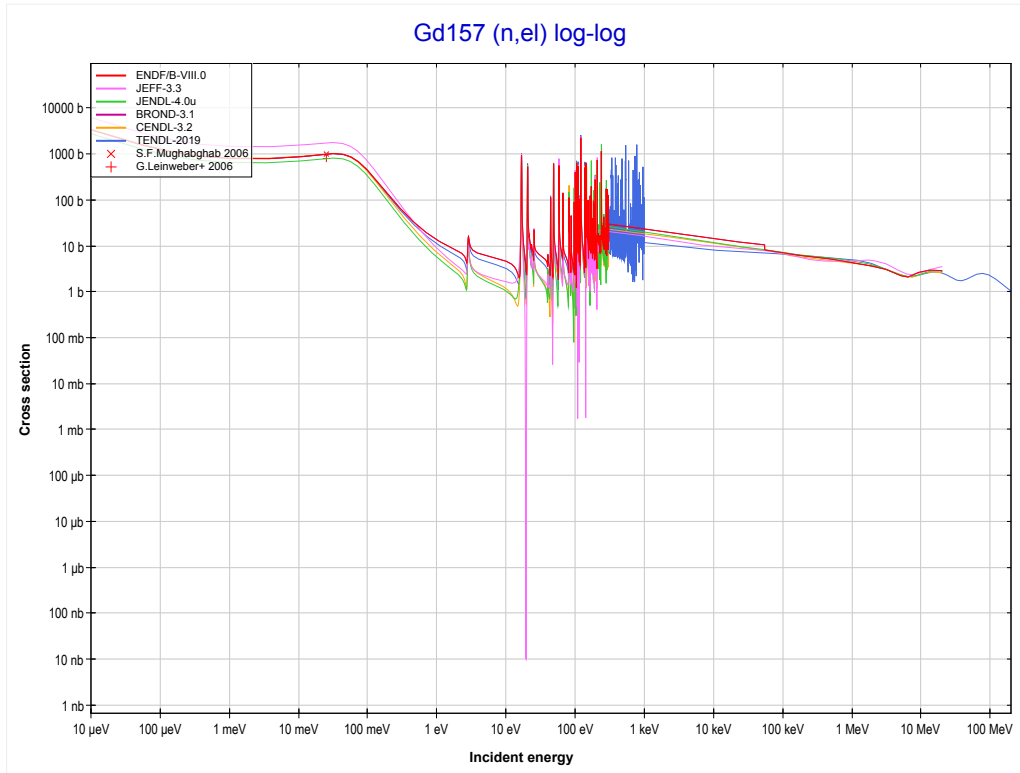
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.4967E-10 b | 2.49483E-10 b | 2.4956E-10 b | 1.00032 | 1.64296E-8 b | 1.31811E-6 b | 0.0016144 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67885E-6 b | 0.00251307 b |
| JEFF-3.3 | 2.59963E-14 b | 2.59963E-14 b | 5.8119E-14 b | 2.23566 | 1.00831E-7 b | 6.29019E-6 b | 0.0024488 b |
| JENDL-4.0u | 3.4242E-10 b | 3.4242E-10 b | 3.4256E-10 b | 1.00041 | 1.51033E-8 b | 2.59854E-6 b | 0.00251087 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67885E-6 b | 0.00251307 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8191E-6 b | 0.0025771 b |
| TENDL-2019 | 4.4617E-12 b | 4.4617E-12 b | 4.4609E-12 b | 0.99983 | 3.51717E-10 b | 2.23646E-6 b | 0.00272715 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << 64-Gd-156 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



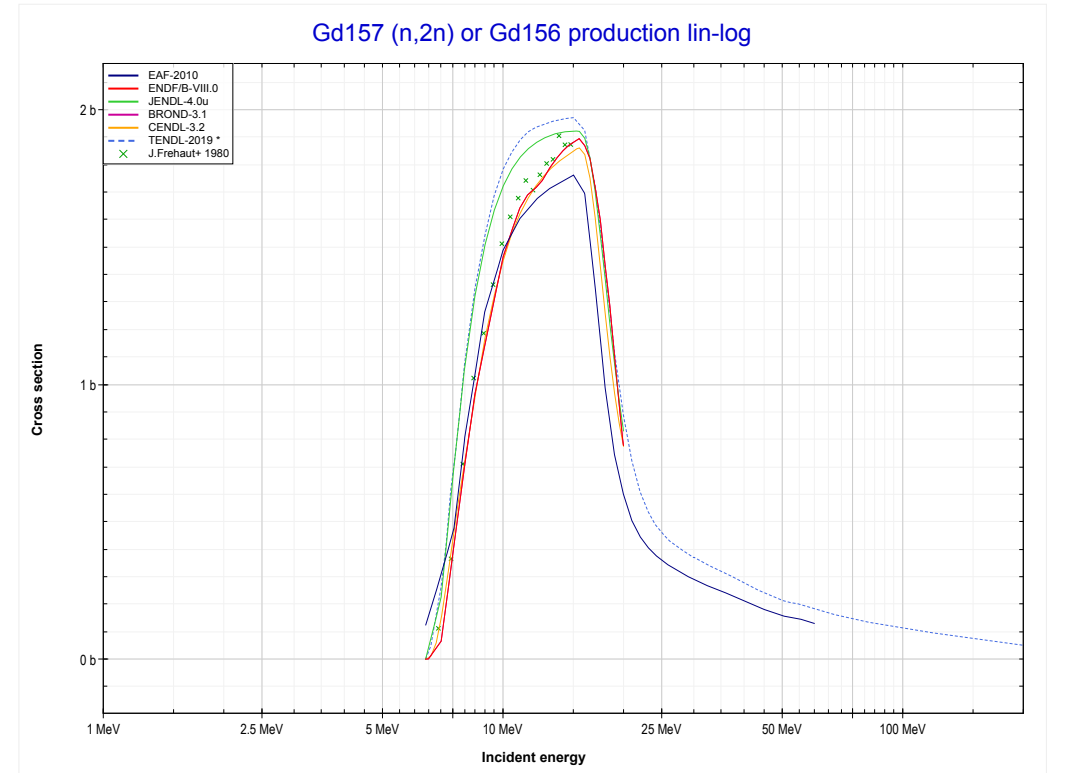
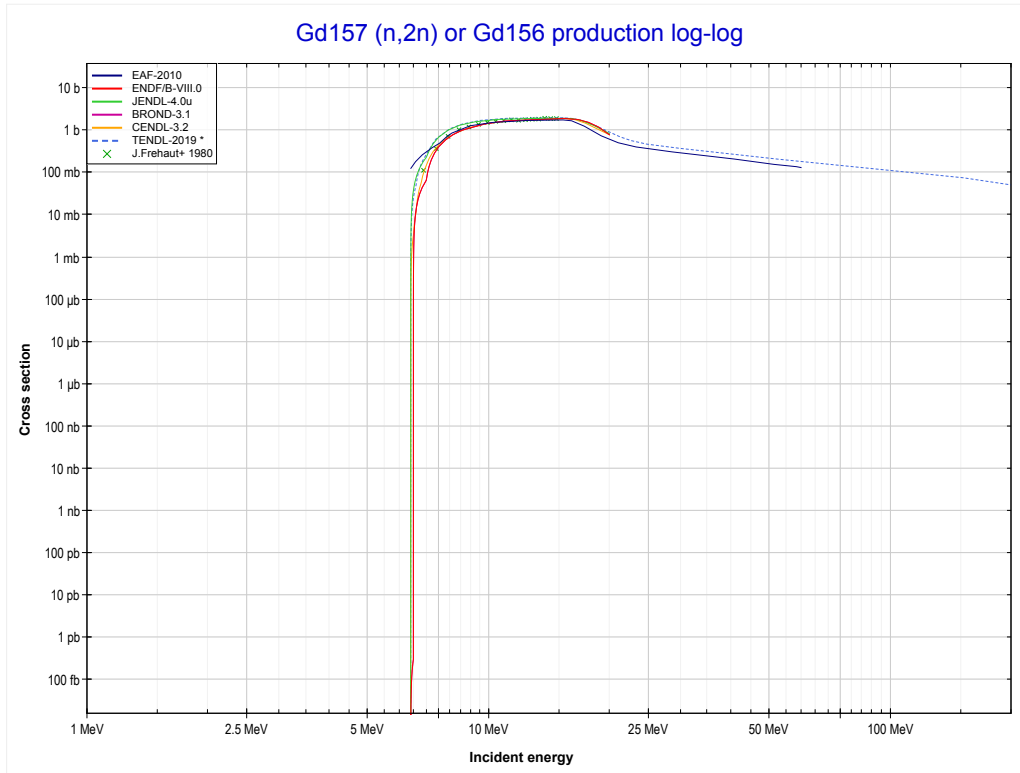
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 253913 b | 253913 b | 216750 b | 0.85364 | 995.661 b | 6.77047 b | 5.17084 b |
| JEFF-3.3 | 255059 b | 255059 b | 217330 b | 0.85207 | 945.027 b | 6.69854 b | 5.39213 b |
| JENDL-4.0u | 254059 b | 254059 b | 215900 b | 0.84981 | 971.682 b | 6.71745 b | 5.35026 b |
| BROND-3.1 | 253913 b | 253913 b | 216750 b | 0.85364 | 995.661 b | 6.77047 b | 5.17084 b |
| CENDL-3.2 | 254641 b | 254641 b | 216970 b | 0.85206 | 935.871 b | 6.7372 b | 5.2023 b |
| TENDL-2019 | 254562 b | 254562 b | 216780 b | 0.85157 | 996.854 b | 6.79411 b | 5.26708 b |

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| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



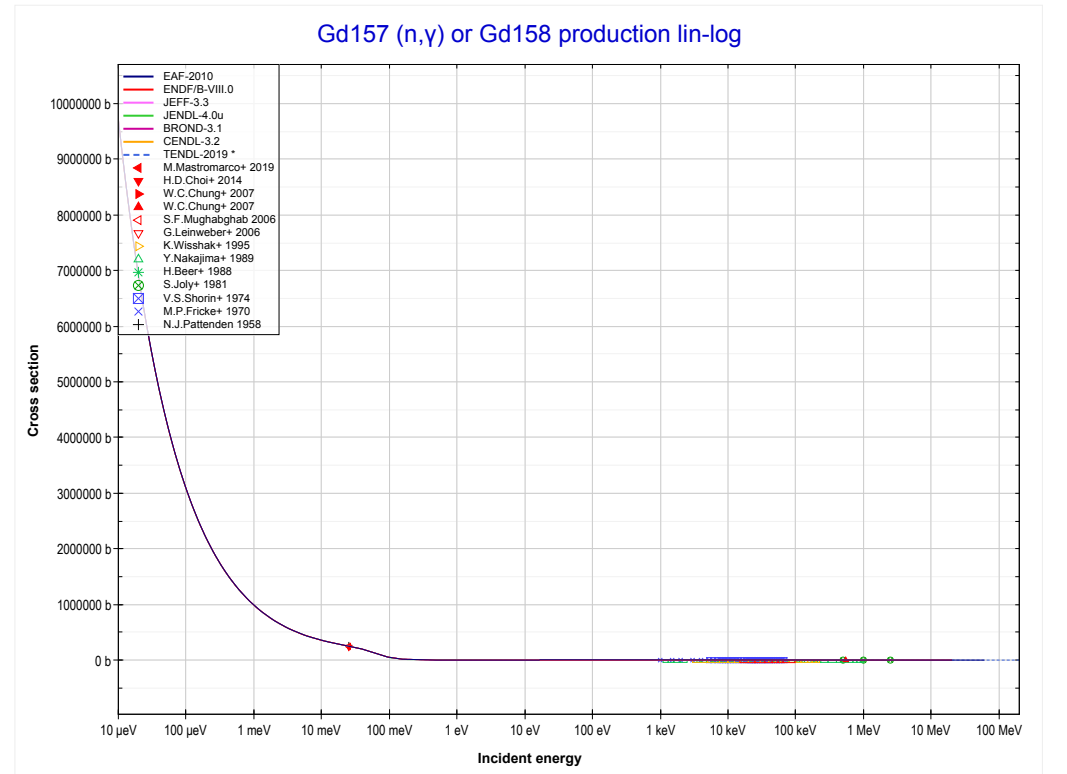
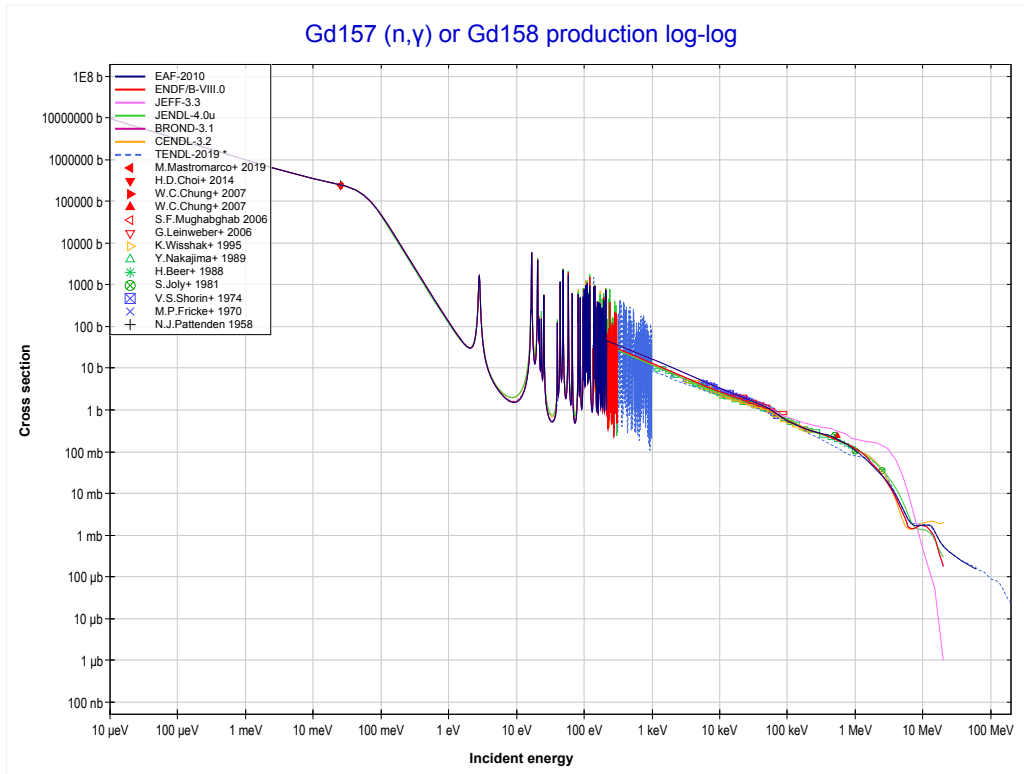
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1001.49 b | 1001.49 b | 932.7 b | 0.93131 | 235.728 b | 3.97878 b | 2.97107 b |
| JEFF-3.3 | 1759.68 b | 1759.68 b | 1602.3 b | 0.91054 | 181.899 b | 4.47603 b | 3.08768 b |
| JENDL-4.0u | 804.432 b | 804.432 b | 740.01 b | 0.91991 | 187.494 b | 4.18645 b | 2.85814 b |
| BROND-3.1 | 1001.49 b | 1001.49 b | 932.7 b | 0.93131 | 235.728 b | 3.97878 b | 2.97107 b |
| CENDL-3.2 | 1009.32 b | 1009.32 b | 924.74 b | 0.9162 | 174.953 b | 3.86819 b | 2.6984 b |
| TENDL-2019 | 1007.55 b | 1007.55 b | 931.31 b | 0.92433 | 225.545 b | 4.29653 b | 2.68172 b |

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| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd156 production) | MT102 (n, γ) >> |



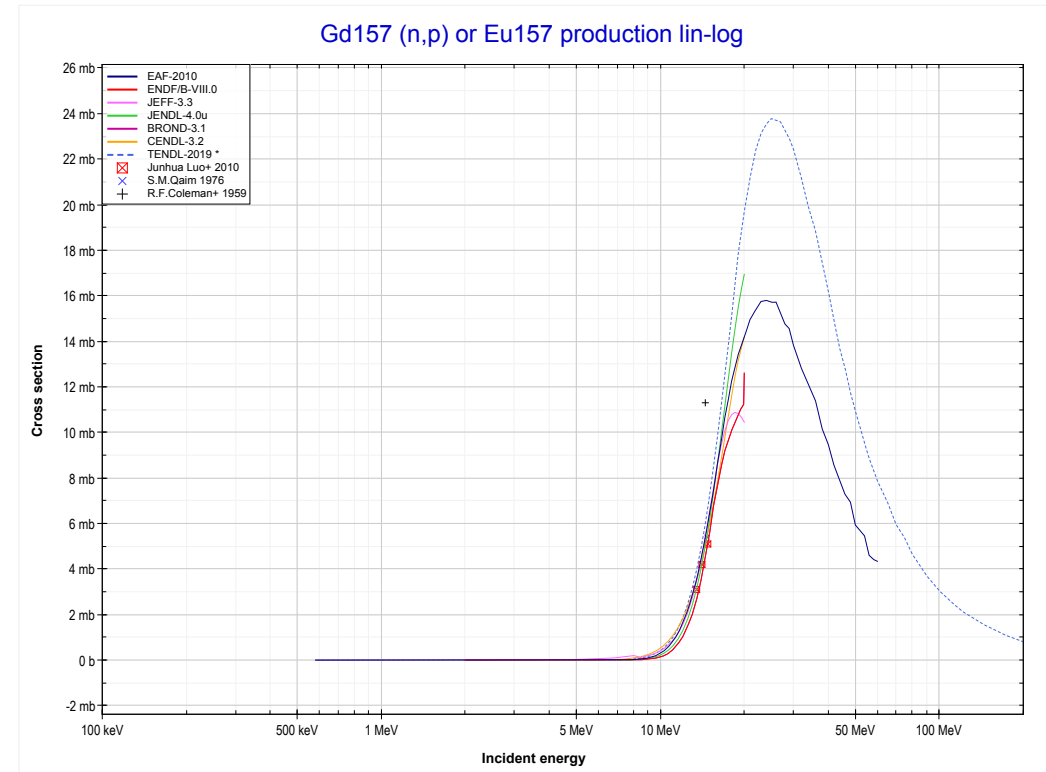
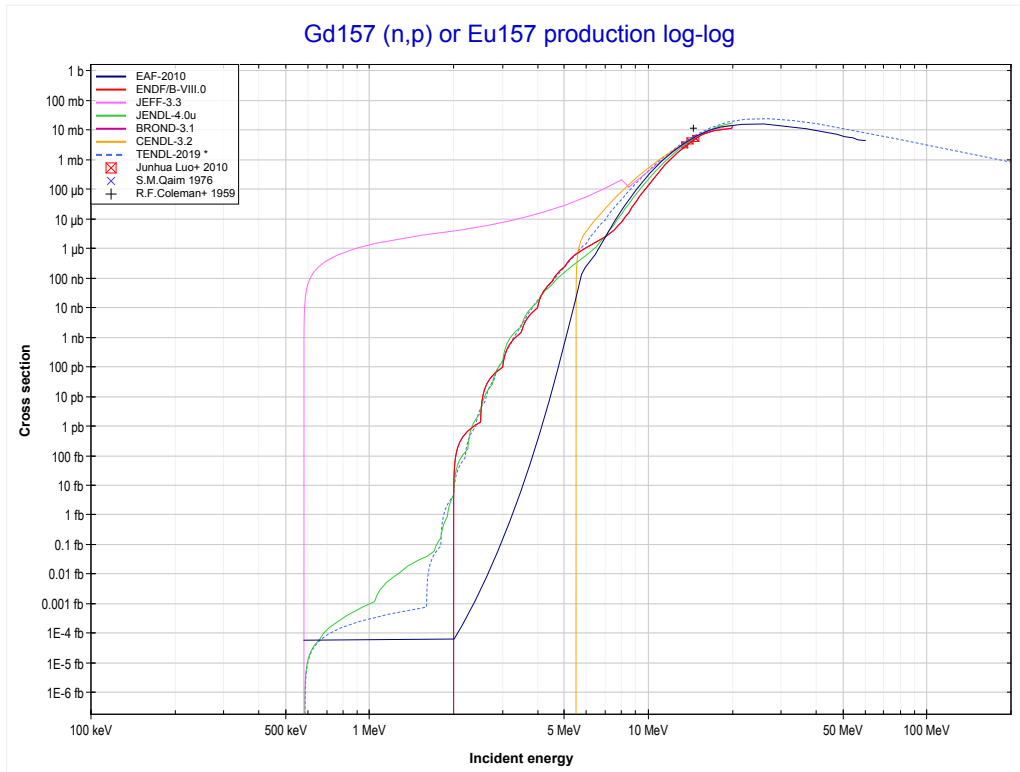
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0143175 b | 1.73632 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123268 b | 1.84528 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0173738 b | 1.91795 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0123268 b | 1.84528 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0128892 b | 1.8191 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.017815 b | 1.96326 b |

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| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Gd158 production) | MT103 (n,p) >> |



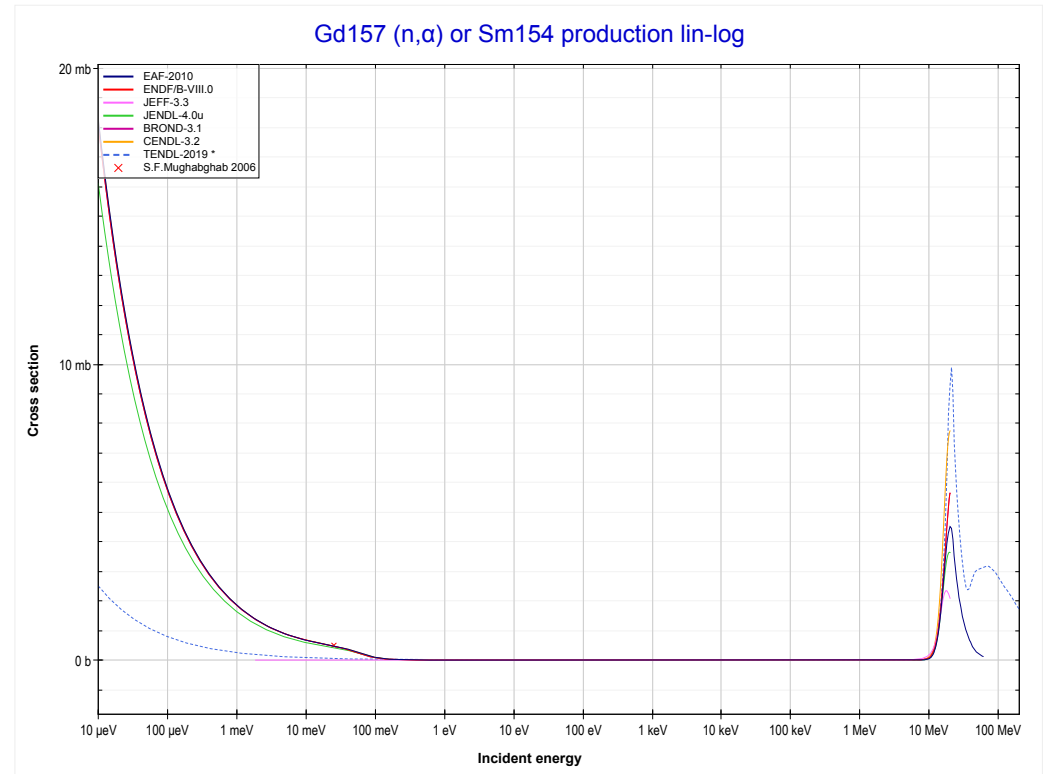
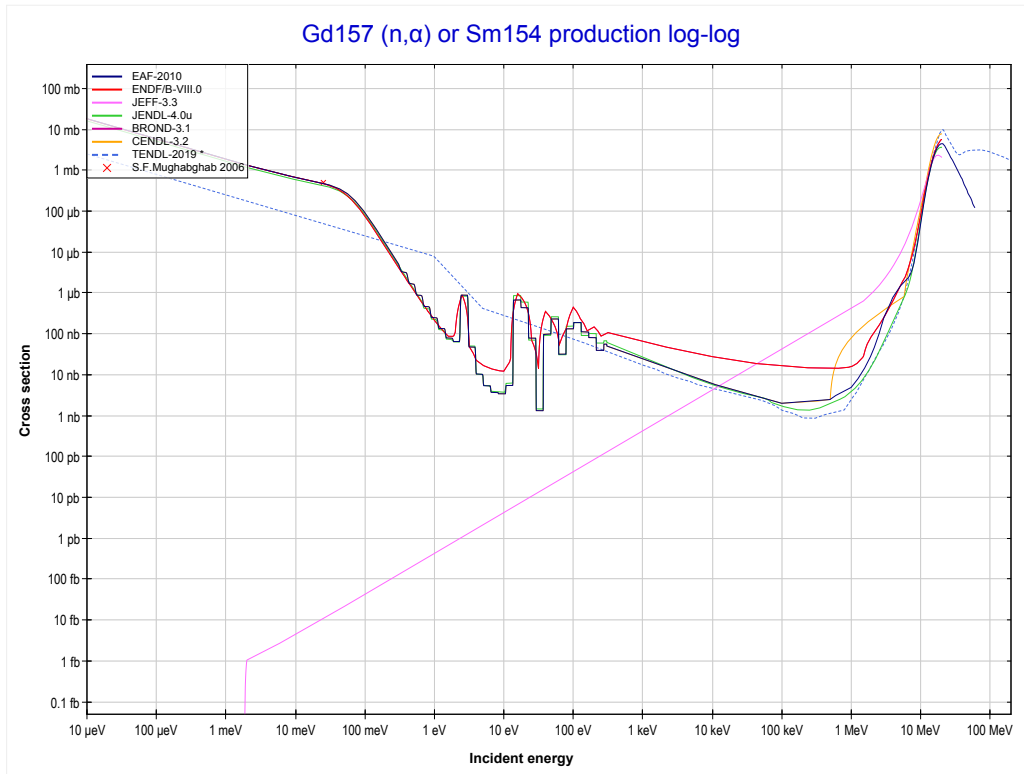
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 253366 b | 253204 b | 215540 b | 0.85136 | 761.791 b | 0.107761 b | 0.0015077 b |
| ENDF/B-VIII.0 | 252912 b | 252912 b | 215820 b | 0.85333 | 759.618 b | 0.108795 b | 0.00107406 b |
| JEFF-3.3 | 253299 b | 253299 b | 215730 b | 0.85166 | 762.828 b | 0.20392 b | 7.59077E-5 b |
| JENDL-4.0u | 253254 b | 253254 b | 215160 b | 0.84959 | 783.893 b | 0.113504 b | 9.52127E-4 b |
| BROND-3.1 | 252912 b | 252912 b | 215820 b | 0.85333 | 759.618 b | 0.108795 b | 0.00107406 b |
| CENDL-3.2 | 253632 b | 253632 b | 216050 b | 0.85181 | 760.692 b | 0.111633 b | 0.0021729 b |
| TENDL-2019 | 253555 b | 253555 b | 215840 b | 0.85128 | 771.088 b | 0.0901024 b | 0.00141883 b |

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|-------------------------|--|-------------------------|
| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Eu157 production) | MT107 (n, α) >> |



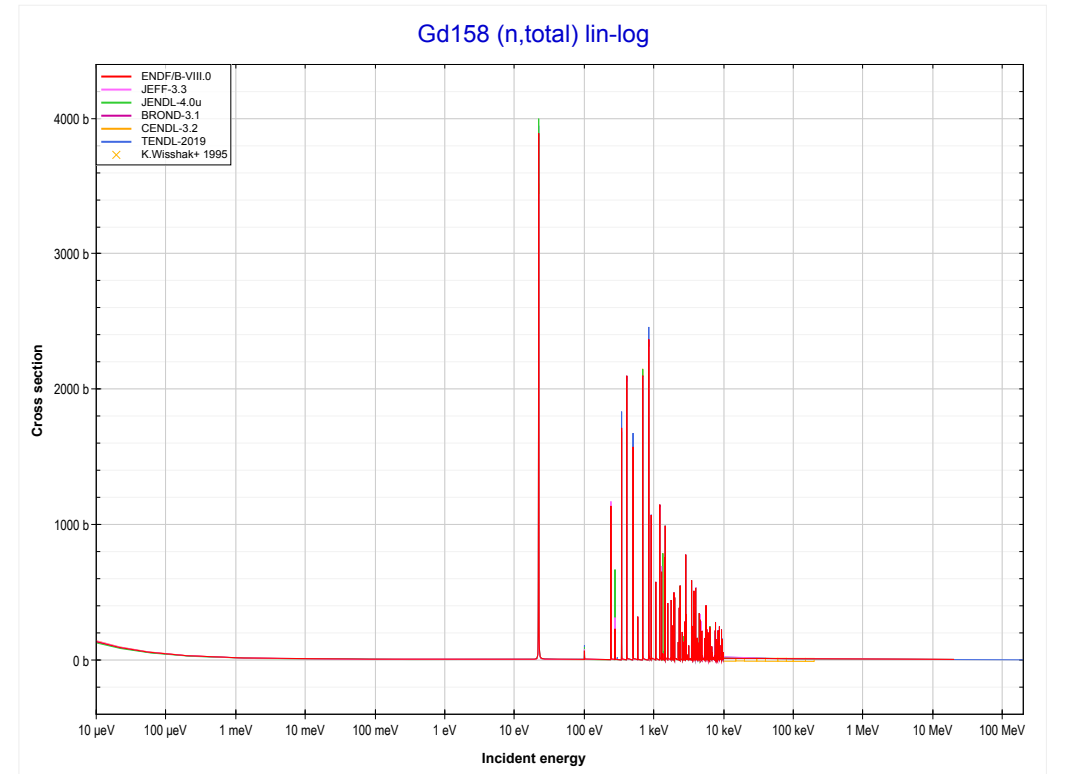
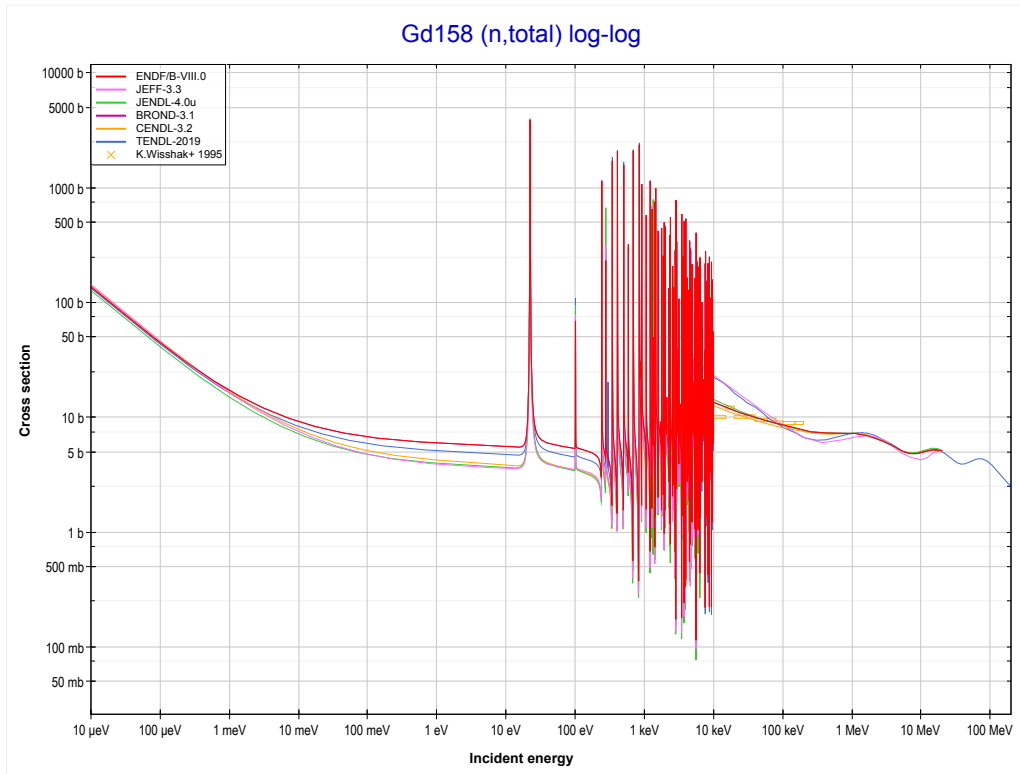
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.35874E-6 b | 0.00444961 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22487E-6 b | 0.00351192 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12892E-5 b | 0.0043809 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.83852E-6 b | 0.00401147 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22487E-6 b | 0.00351192 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.87312E-6 b | 0.004242 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.35276E-6 b | 0.0049175 b |

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|----------------|--|----------------------------|
| << 64-Gd-156 | 64-Gd-157 | 64-Gd-158 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Sm154 production) | 64-Gd-158 MT1 (n,total) >> |



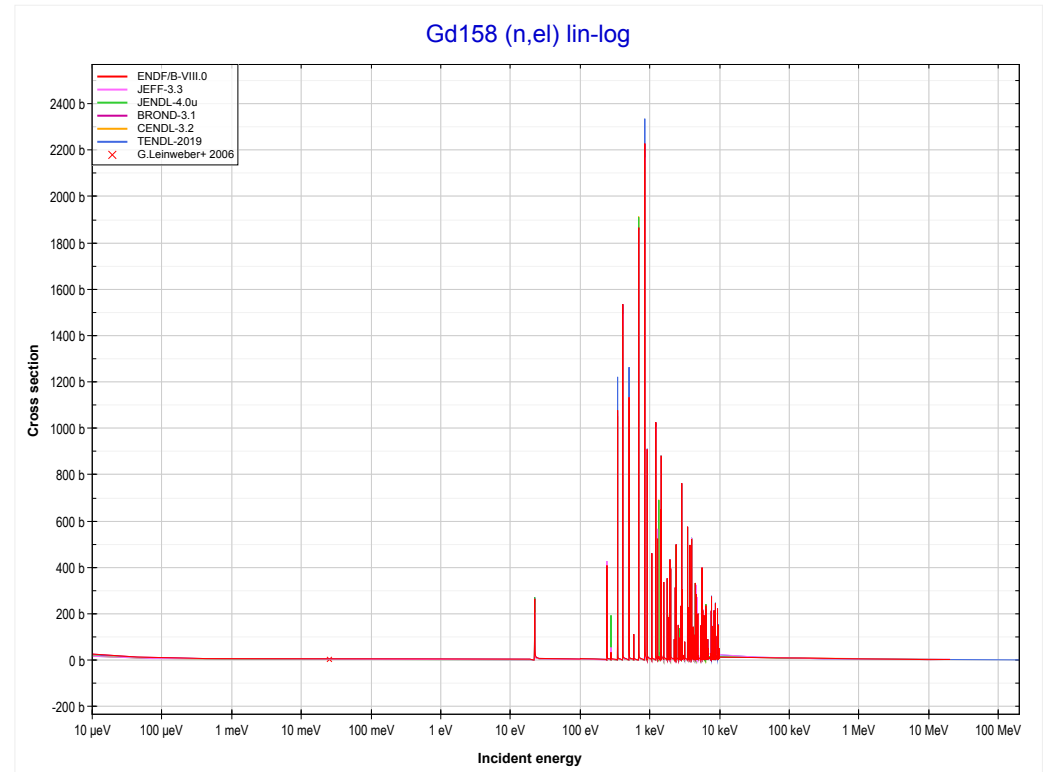
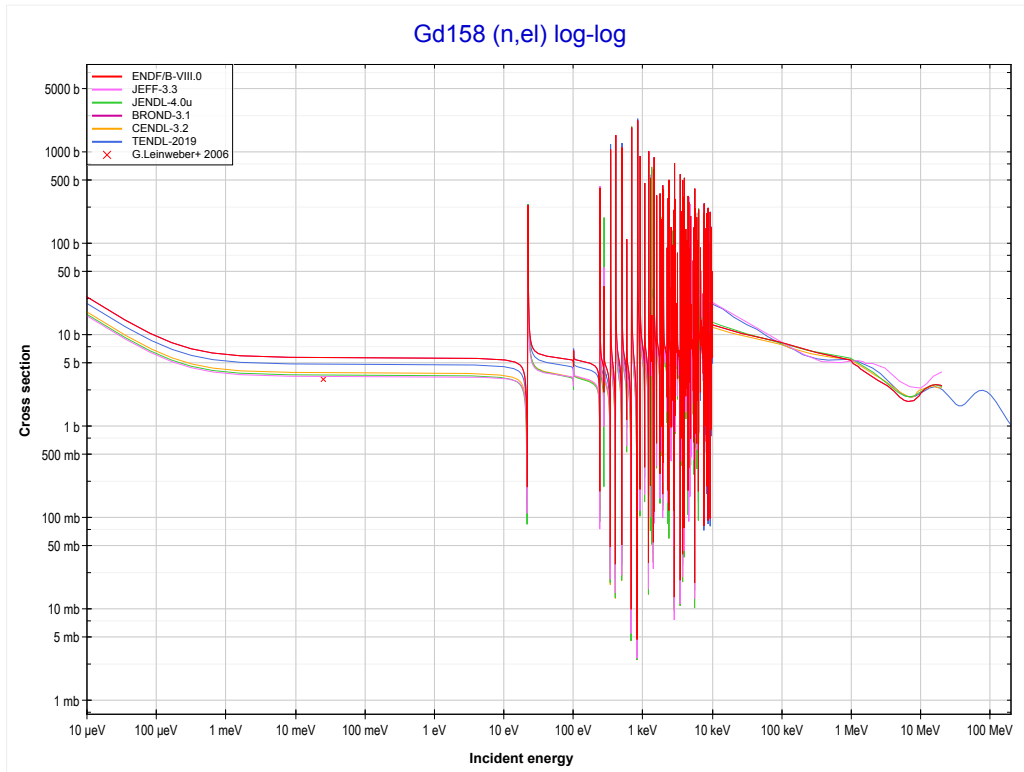
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.77474E-4 b | 4.77162E-4 b | 4.0711E-4 b | 0.85327 | 1.41965E-6 b | 9.74718E-7 b | 0.00117252 b |
| ENDF/B-VIII.0 | 4.73774E-4 b | 4.73774E-4 b | 3.9132E-4 b | 0.82596 | 1.77063E-6 b | 1.26399E-6 b | 0.00131 b |
| JEFF-3.3 | 1.08385E-14 b | 1.08385E-14 b | 2.4294E-14 b | 2.24146 | 4.20445E-8 b | 3.65253E-6 b | 0.0012587 b |
| JENDL-4.0u | 4.22259E-4 b | 4.22259E-4 b | 3.6044E-4 b | 0.85361 | 1.45159E-6 b | 8.62678E-7 b | 0.00117679 b |
| BROND-3.1 | 4.73774E-4 b | 4.73774E-4 b | 3.9132E-4 b | 0.82596 | 1.77063E-6 b | 1.26399E-6 b | 0.00131 b |
| CENDL-3.2 | 4.77343E-4 b | 4.77343E-4 b | 4.0723E-4 b | 0.85313 | 1.41966E-6 b | 1.69556E-6 b | 0.0018806 b |
| TENDL-2019 | 4.99779E-5 b | 4.99779E-5 b | 4.9947E-5 b | 0.99937 | 1.13281E-5 b | 1.19353E-6 b | 0.00138906 b |

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|-----------------------------------|----------------------|--------------------|
| << 64-Gd-157 | 64-Gd-158 | 64-Gd-160 >> |
| << 64-Gd-157 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



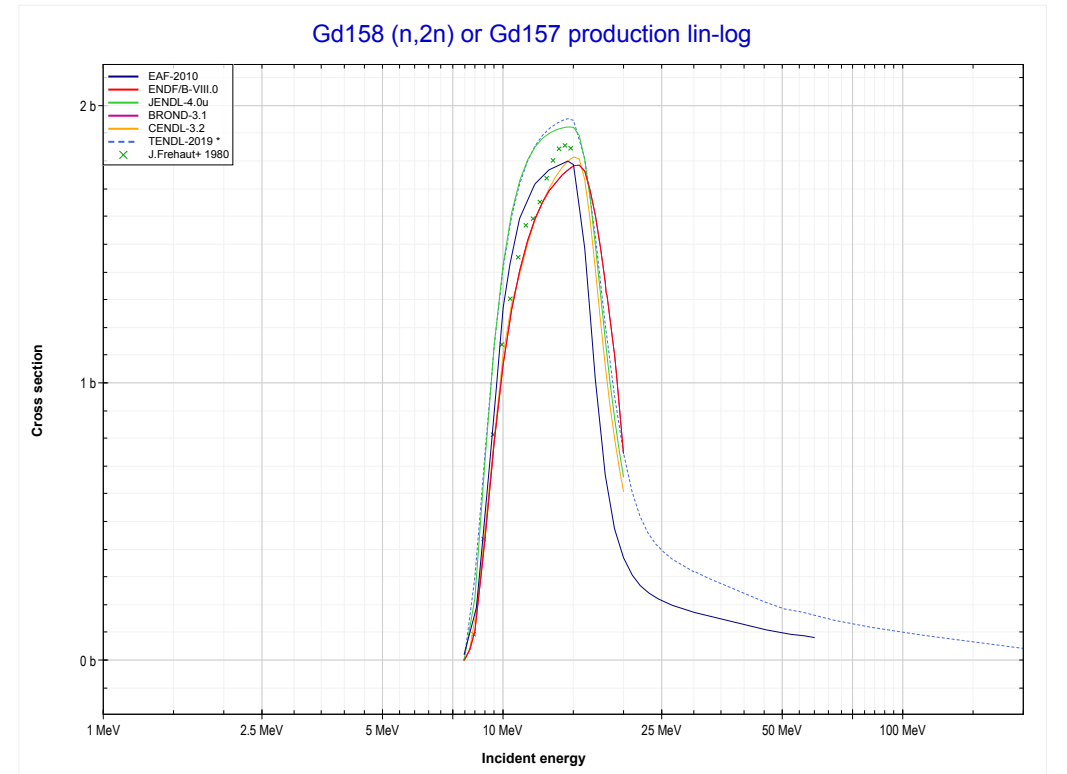
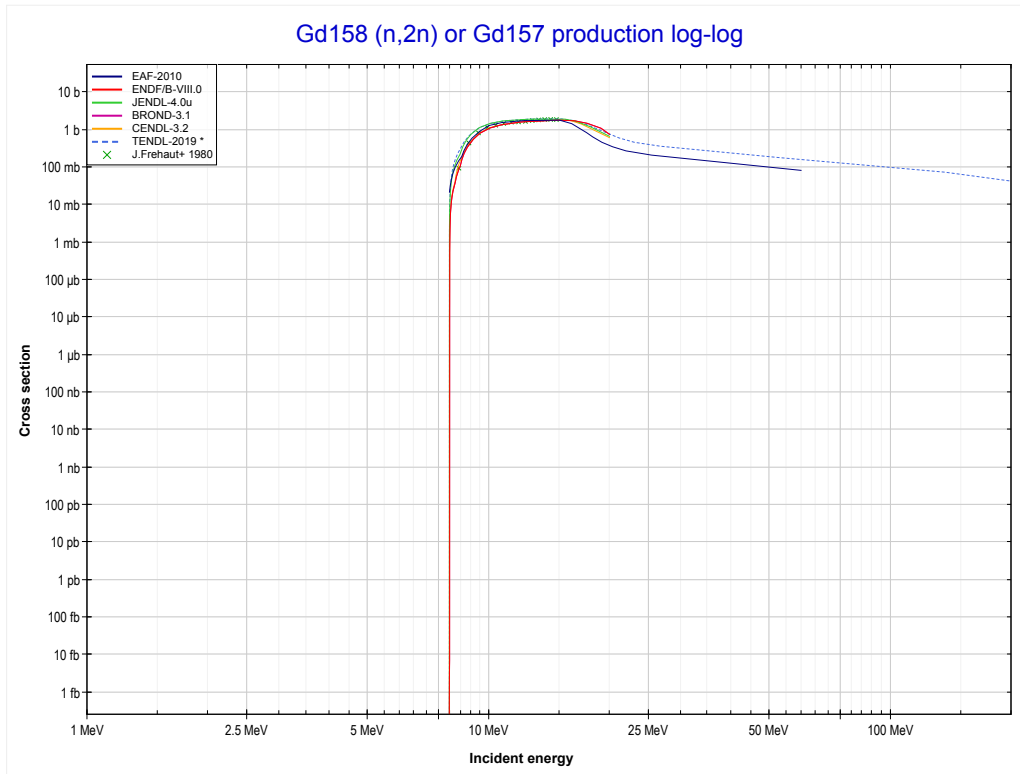
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.85775 b | 7.85775 b | 8.585 b | 1.09256 | 205.361 b | 6.7319 b | 5.1858 b |
| JEFF-3.3 | 6.01075 b | 6.01075 b | 6.4633 b | 1.07528 | 195.36 b | 6.42524 b | 4.7554 b |
| JENDL-4.0u | 5.84156 b | 5.84156 b | 6.3106 b | 1.08029 | 191.928 b | 6.73834 b | 5.37226 b |
| BROND-3.1 | 7.85775 b | 7.85775 b | 8.585 b | 1.09256 | 205.361 b | 6.7319 b | 5.1858 b |
| CENDL-3.2 | 6.36664 b | 6.36664 b | 6.864 b | 1.07812 | 180.359 b | 6.74328 b | 5.2023 b |
| TENDL-2019 | 7.007 b | 7.007 b | 7.6229 b | 1.08789 | 206.713 b | 6.71858 b | 5.23827 b |

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| << 64-Gd-157 | 64-Gd-158 | 64-Gd-160 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



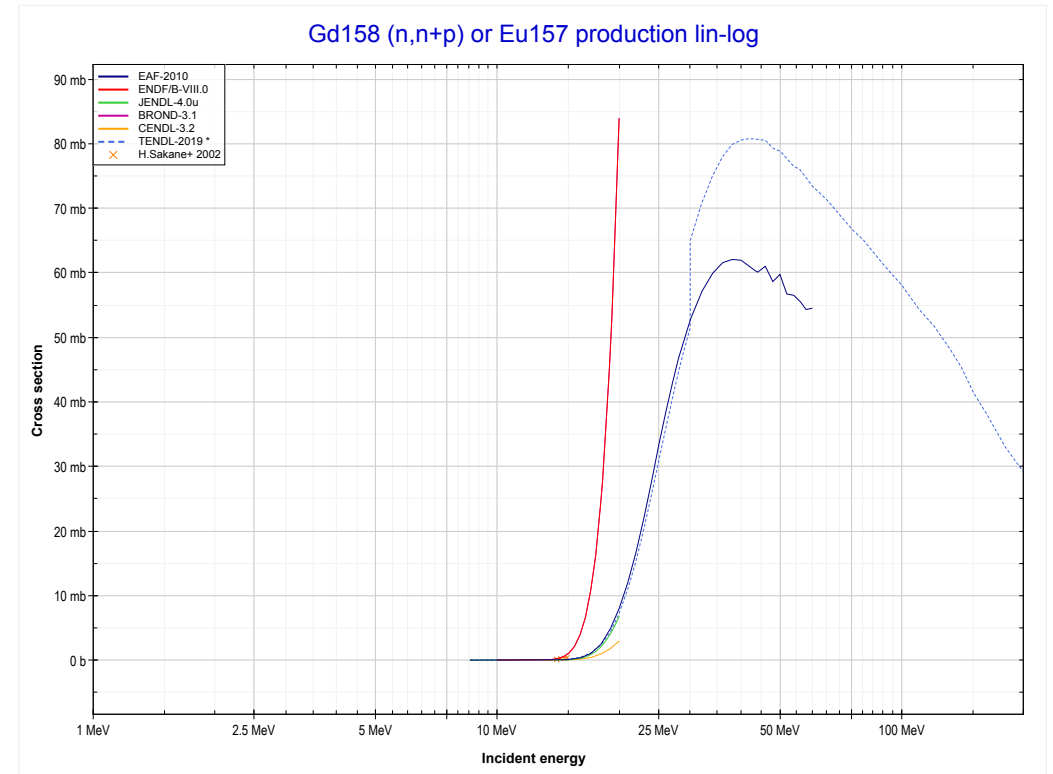
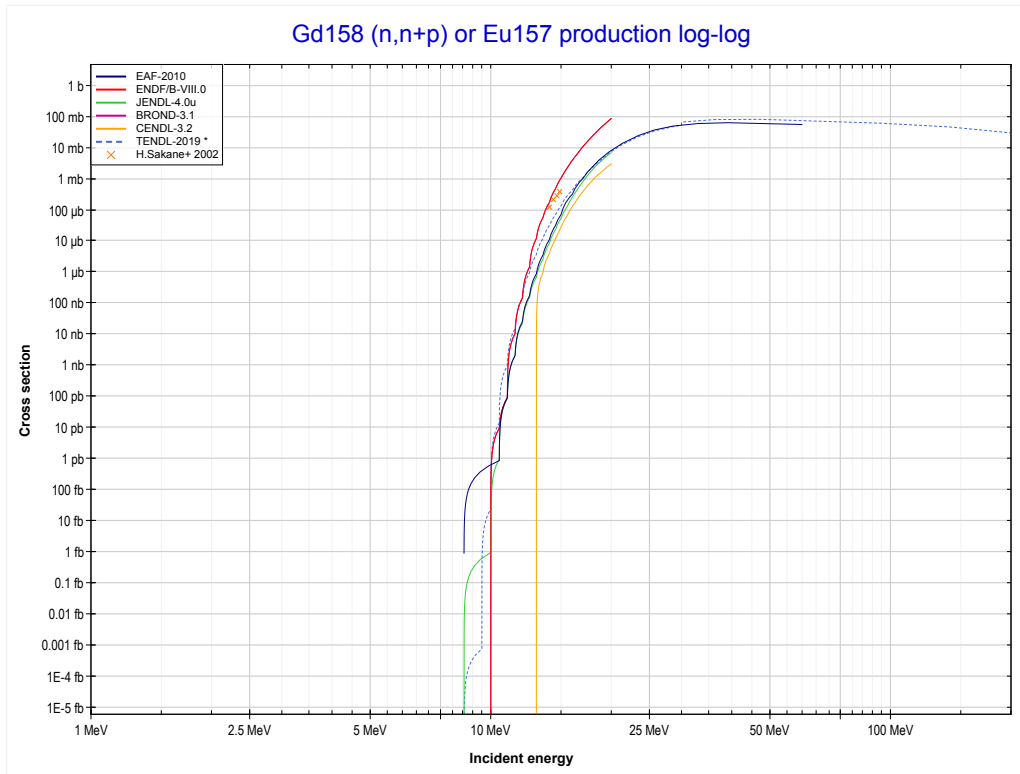
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.65511 b | 5.65511 b | 6.3805 b | 1.12827 | 137.221 b | 4.2373 b | 2.79006 b |
| JEFF-3.3 | 3.50978 b | 3.50978 b | 3.9601 b | 1.1283 | 132.576 b | 4.83293 b | 3.30454 b |
| JENDL-4.0u | 3.64082 b | 3.64082 b | 4.1077 b | 1.12824 | 120.099 b | 4.52865 b | 2.79941 b |
| BROND-3.1 | 5.65511 b | 5.65511 b | 6.3805 b | 1.12827 | 137.221 b | 4.2373 b | 2.79006 b |
| CENDL-3.2 | 3.87038 b | 3.87038 b | 4.3669 b | 1.12829 | 116.673 b | 4.37711 b | 2.73507 b |
| TENDL-2019 | 4.79008 b | 4.79008 b | 5.4048 b | 1.12832 | 138.227 b | 4.52977 b | 2.66144 b |

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|--------------------|--|-----------------|
| << 64-Gd-157 | 64-Gd-158 | 64-Gd-160 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd157 production) | MT28 (n,n+p) >> |



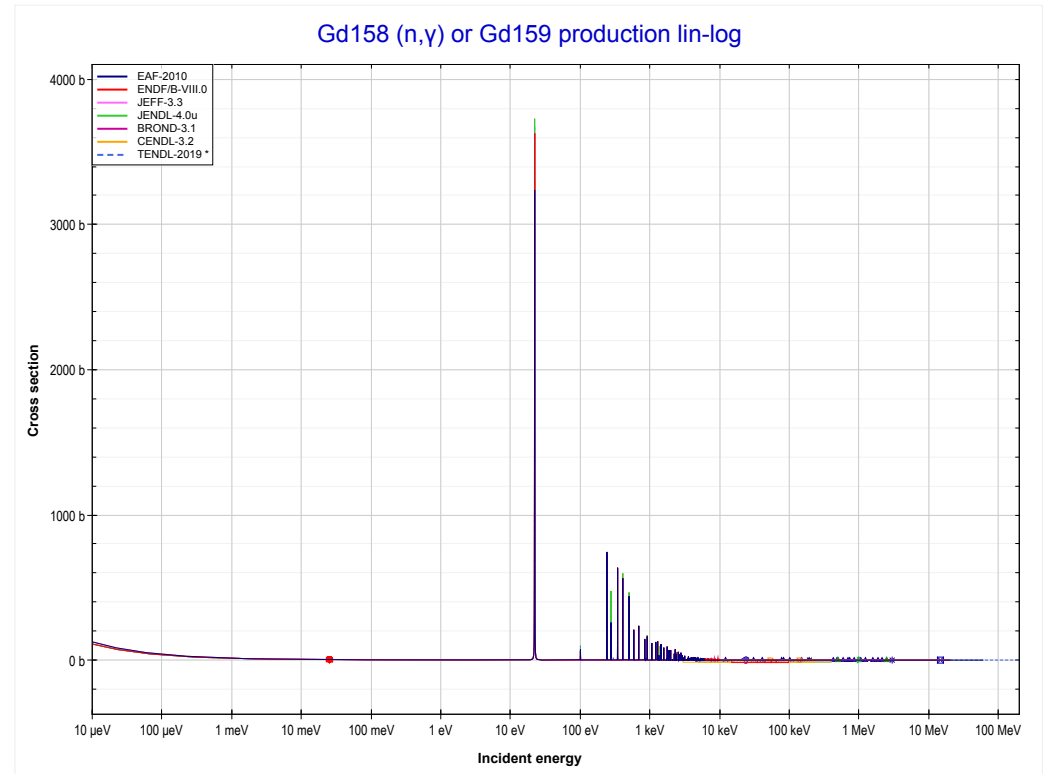
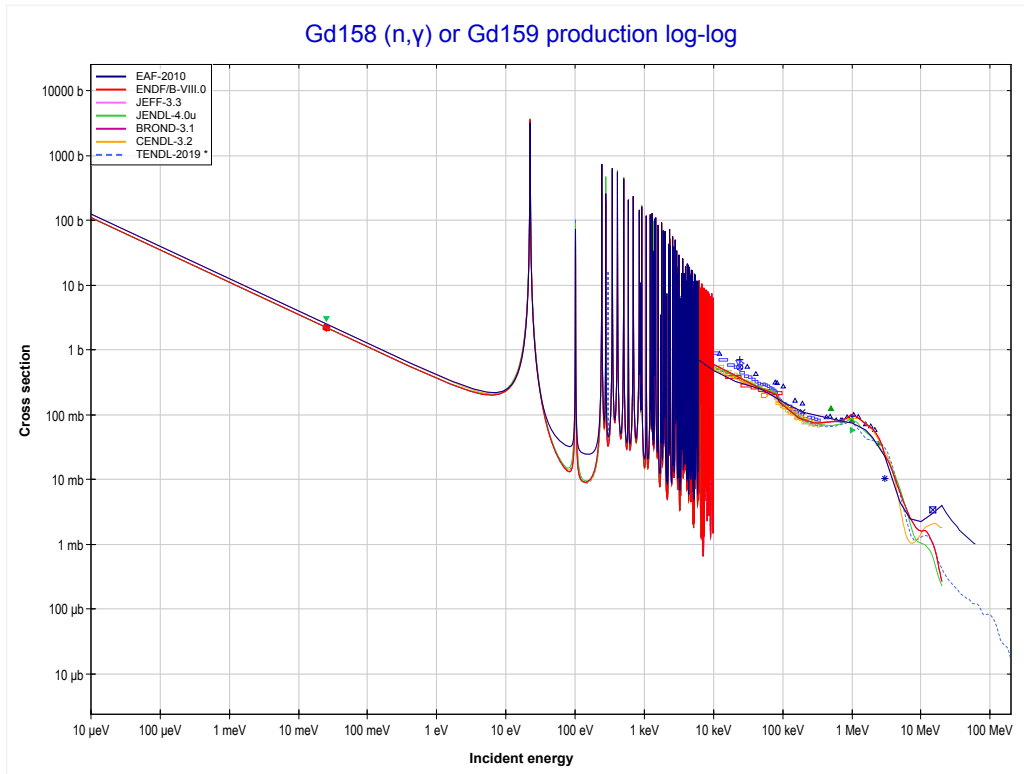
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00546067 b | 1.78901 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00475055 b | 1.74773 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00646755 b | 1.91916 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00475055 b | 1.74773 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00489319 b | 1.7745 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00663707 b | 1.94525 b |

| | | |
|----------------|---|-------------------------|
| << 62-Sm-152 | 64-Gd-158 | 64-Gd-160 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Eu157 production) | MT102 (n, γ) >> |



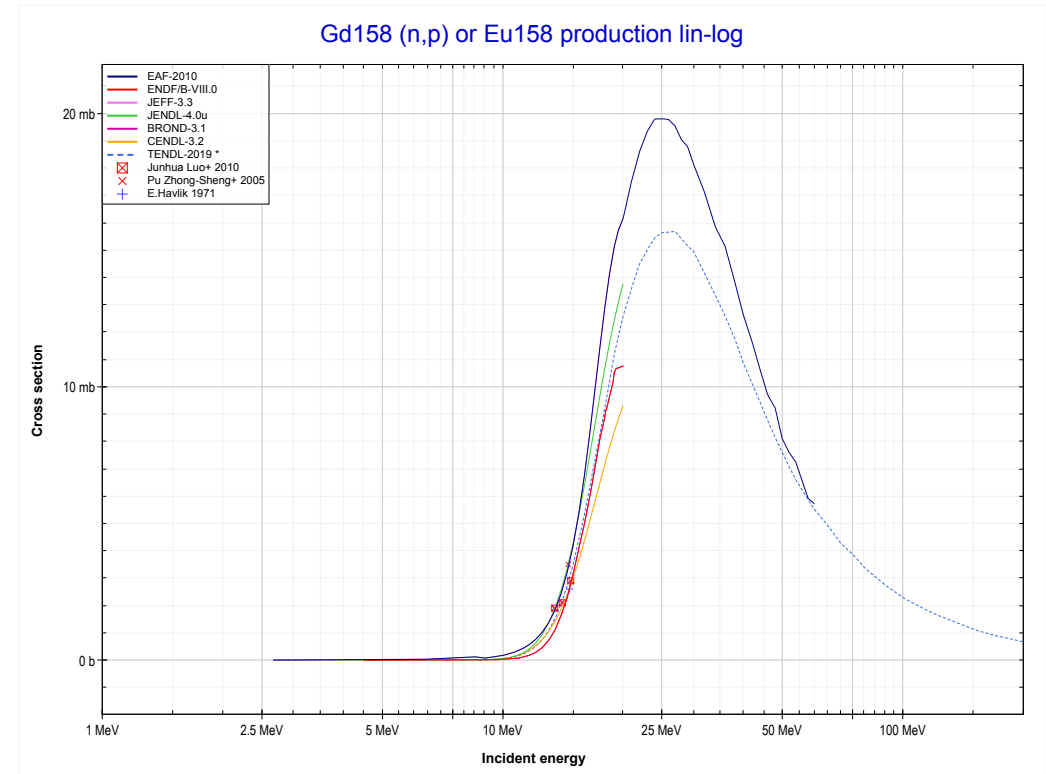
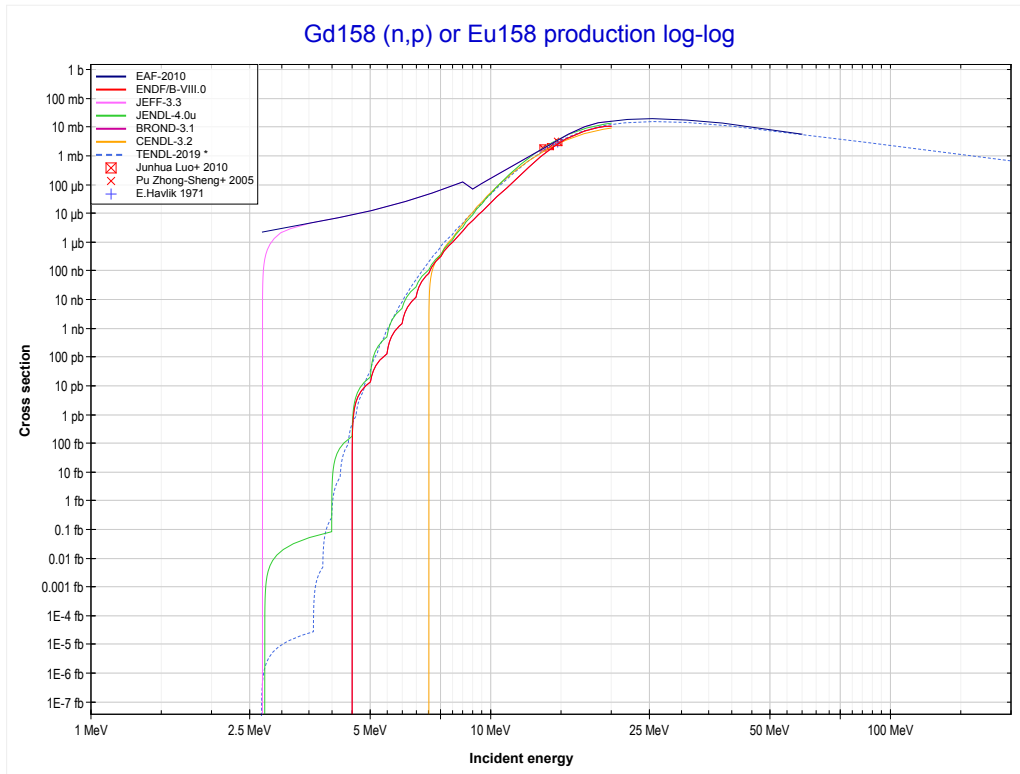
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36597E-7 b | 1.64317E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.04201E-8 b | 8.00236E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36597E-7 b | 1.64317E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.86702E-8 b | 3.7533E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.63951E-8 b | 3.00998E-5 b |

| | | |
|-----------------|--|----------------|
| << 64-Gd-157 | 64-Gd-158 | 64-Gd-160 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Gd159 production) | MT103 (n,p) >> |



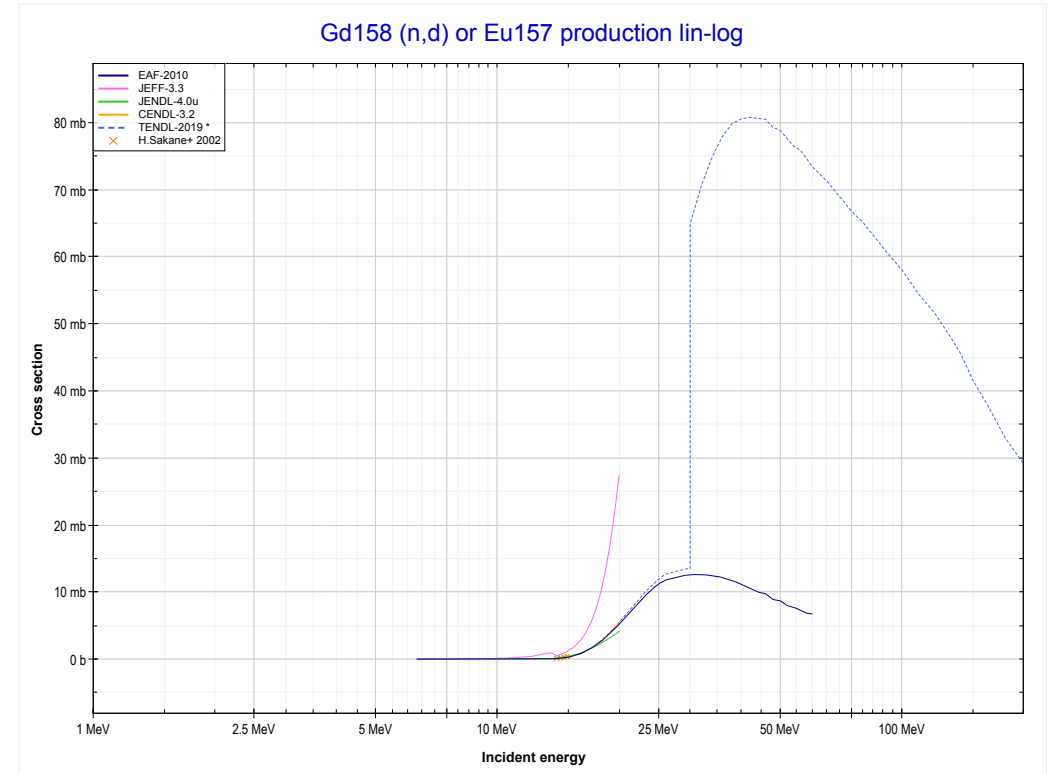
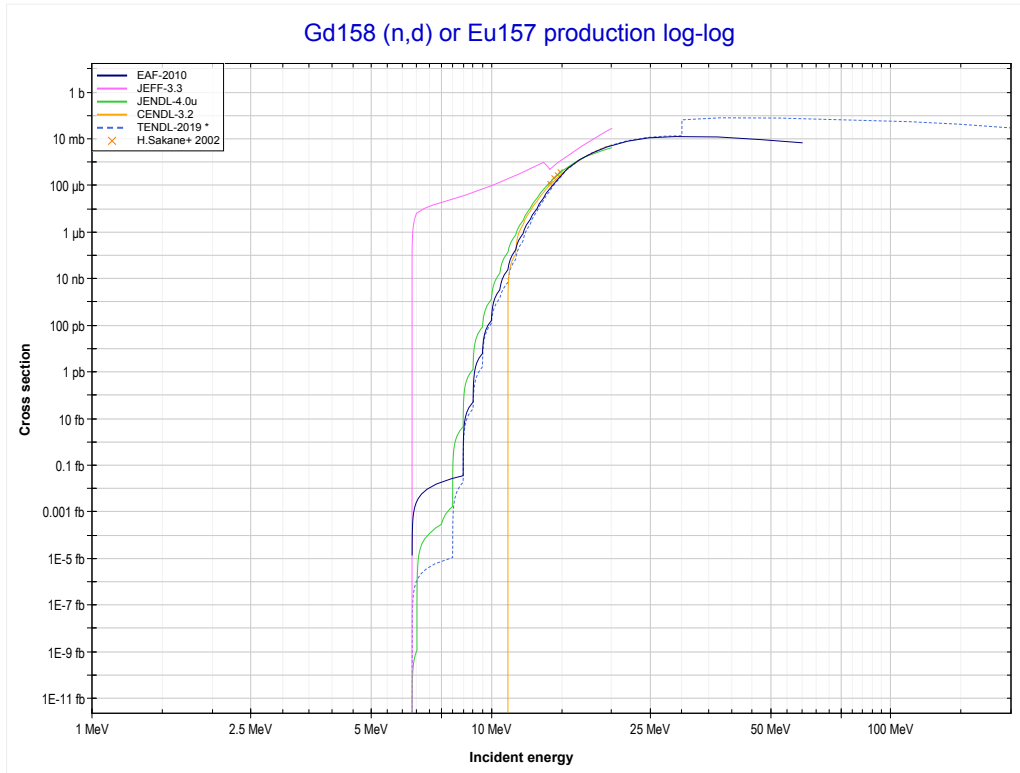
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.50319 b | 2.50132 b | 2.5019 b | 1.00022 | 62.7721 b | 0.055663 b | 0.00288348 b |
| ENDF/B-VIII.0 | 2.20265 b | 2.20265 b | 2.2046 b | 1.00088 | 68.12 b | 0.0624369 b | 0.00115723 b |
| JEFF-3.3 | 2.50098 b | 2.50098 b | 2.5032 b | 1.00088 | 62.77 b | 0.0556991 b | 0.00288513 b |
| JENDL-4.0u | 2.20073 b | 2.20073 b | 2.2029 b | 1.00097 | 71.8076 b | 0.053535 b | 7.49538E-4 b |
| BROND-3.1 | 2.20265 b | 2.20265 b | 2.2046 b | 1.00088 | 68.12 b | 0.0624369 b | 0.00115723 b |
| CENDL-3.2 | 2.49626 b | 2.49626 b | 2.4971 b | 1.00033 | 63.6569 b | 0.0618871 b | 0.0019952 b |
| TENDL-2019 | 2.21692 b | 2.21692 b | 2.2181 b | 1.00052 | 68.4595 b | 0.0504987 b | 0.00116467 b |

| | | |
|-------------------------|--|----------------|
| << 64-Gd-157 | 64-Gd-158 | 65-Tb-159 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Eu158 production) | MT104 (n,d) >> |



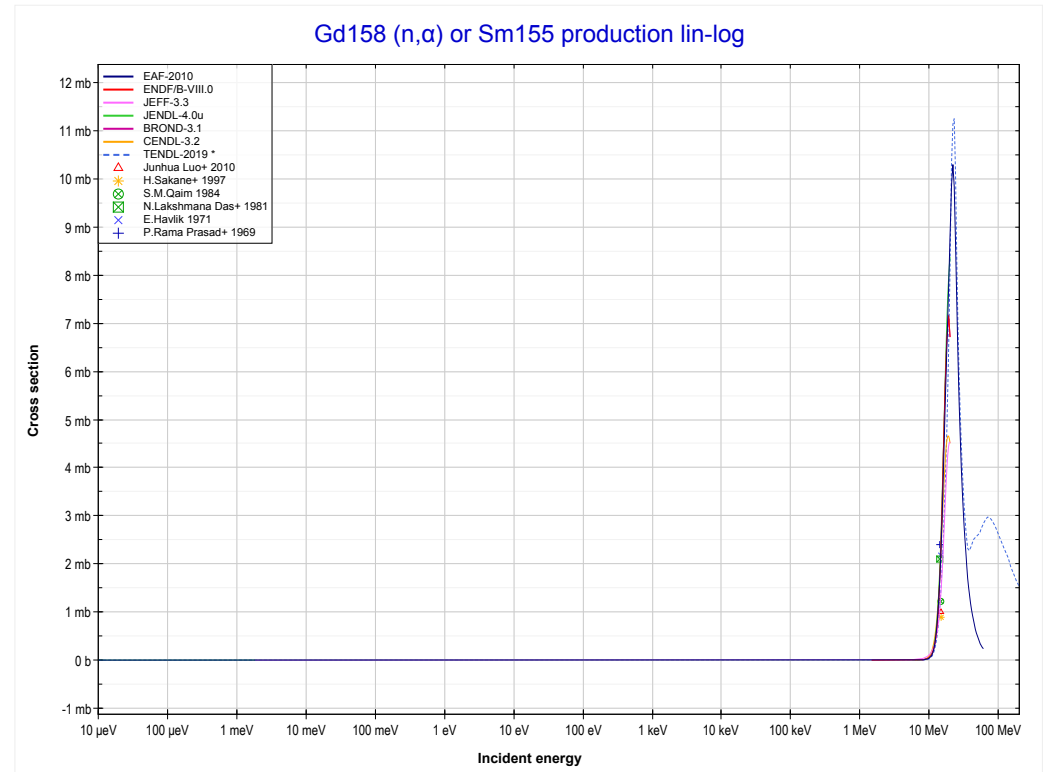
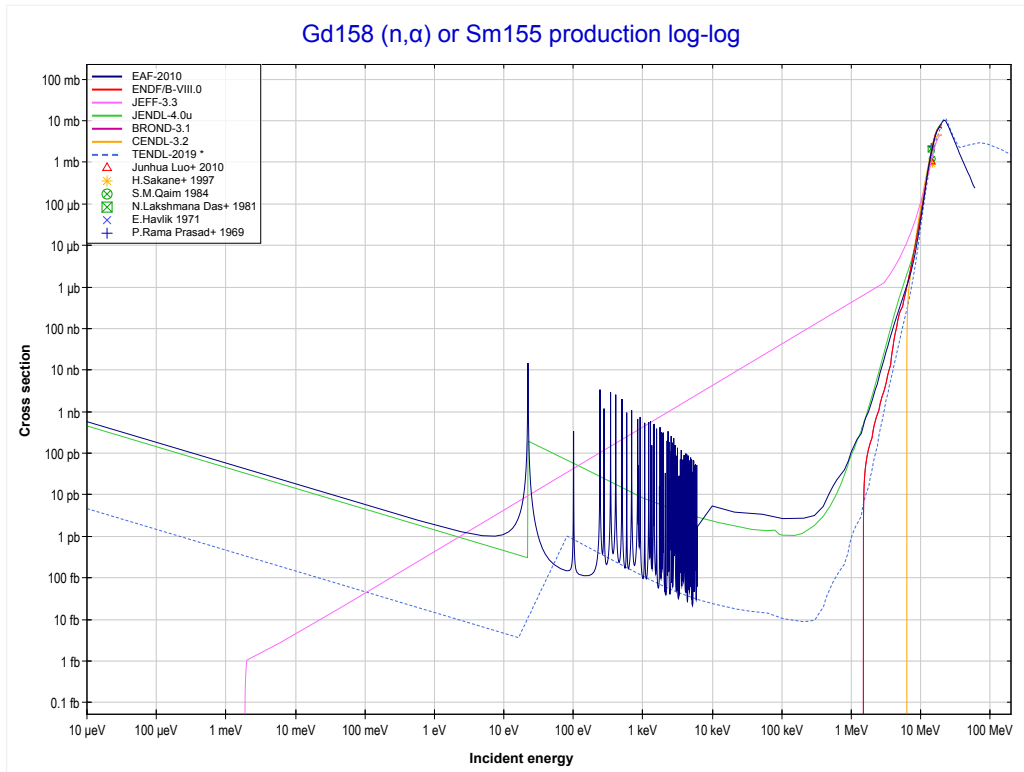
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.60081E-6 b | 0.0024197 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.33422E-7 b | 0.00161828 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.62562E-6 b | 0.0024197 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.36007E-6 b | 0.00254312 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.33422E-7 b | 0.00161828 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06415E-6 b | 0.0018476 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13892E-6 b | 0.00204541 b |

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|----------------|--|-------------------------|
| << 62-Sm-154 | 64-Gd-158 | 64-Gd-160 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Eu157 production) | MT107 (n, α) >> |



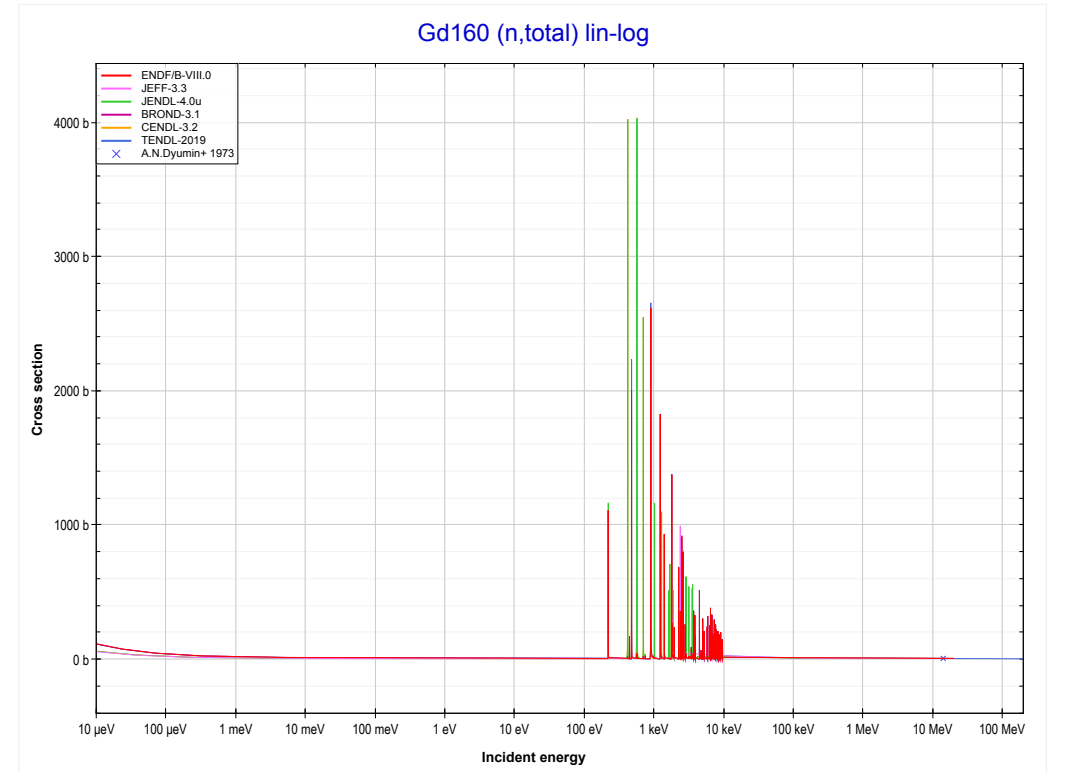
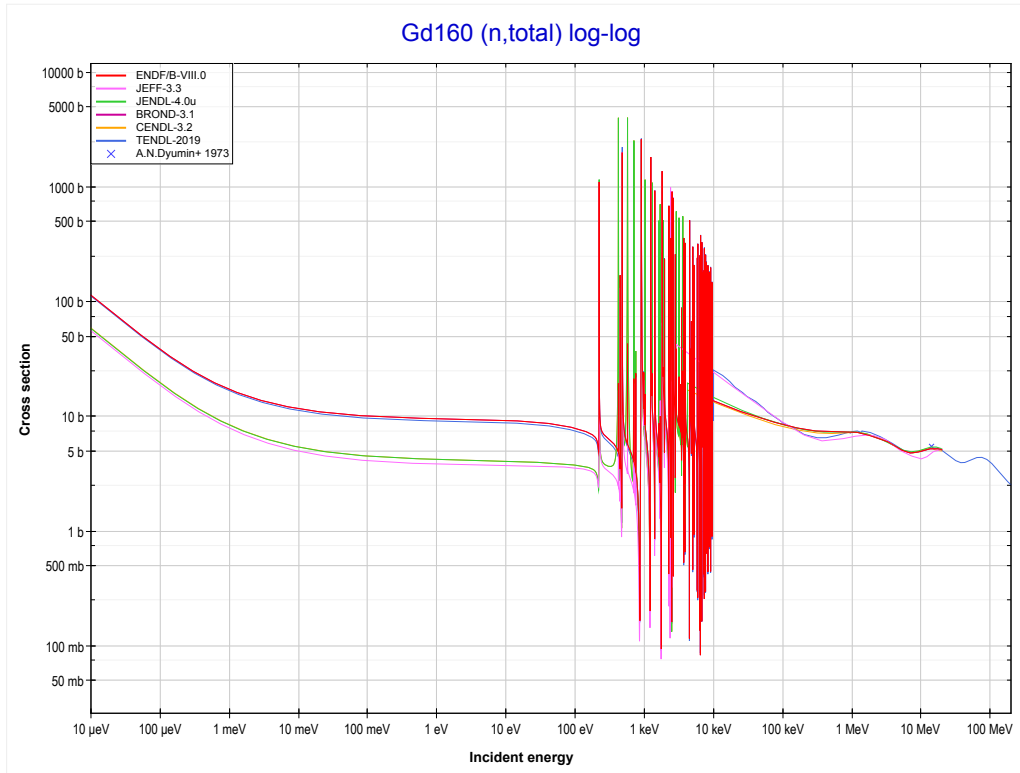
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77793E-8 b | 7.0582E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.2553E-6 b | 4.8595E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.92883E-8 b | 1.31067E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.33536E-8 b | 9.8821E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.56639E-8 b | 5.60176E-5 b |

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|----------------|--|----------------------------|
| << 64-Gd-157 | 64-Gd-158 | 64-Gd-160 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Sm155 production) | 64-Gd-160 MT1 (n,total) >> |



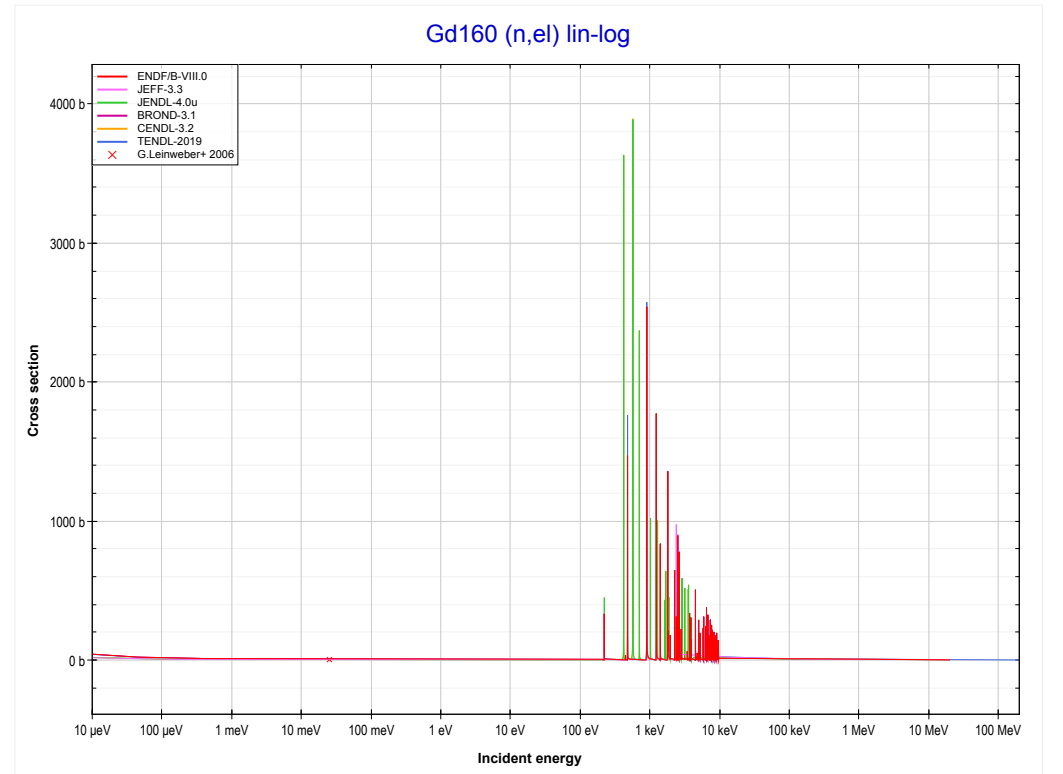
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.1455E-11 b | 1.14464E-11 b | 1.1449E-11 b | 1.00022 | 2.93016E-10 b | 9.12515E-7 b | 0.00149489 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.78318E-7 b | 0.0014859 b |
| JEFF-3.3 | 1.09194E-14 b | 1.09194E-14 b | 2.4477E-14 b | 2.24158 | 4.23631E-8 b | 2.39982E-6 b | 9.544E-4 b |
| JENDL-4.0u | 9.034E-12 b | 9.034E-12 b | 9.0377E-12 b | 1.00041 | 2.48235E-10 b | 1.12358E-6 b | 0.00168591 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.78318E-7 b | 0.0014859 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09091E-6 b | 0.0015882 b |
| TENDL-2019 | 9.2799E-14 b | 9.2799E-14 b | 9.2772E-14 b | 0.99971 | 1.51404E-12 b | 5.88363E-7 b | 9.64099E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-158 | 64-Gd-160 | 65-Tb-159 >> |
| << 64-Gd-158 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



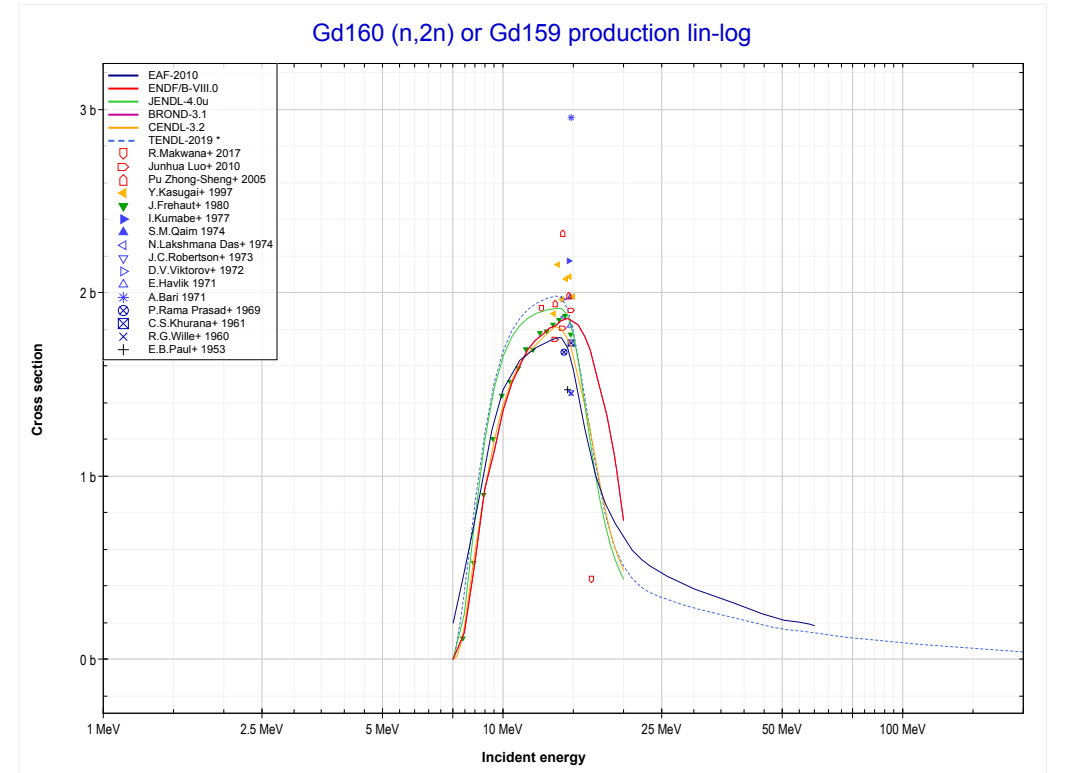
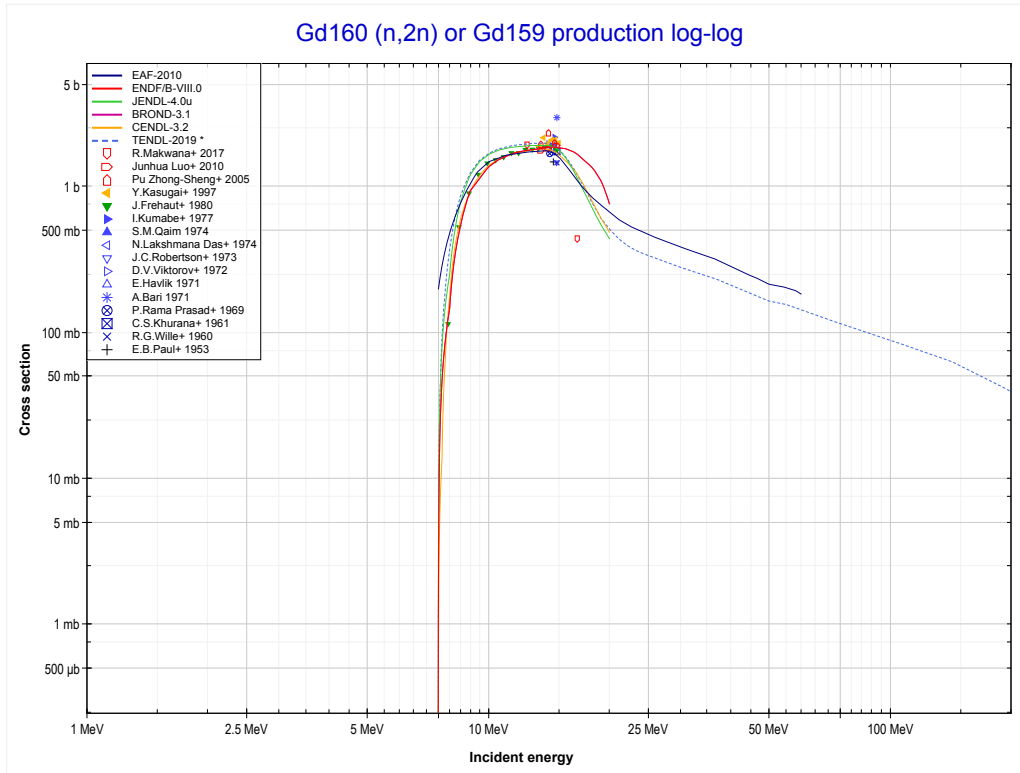
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.7858 b | 10.7858 b | 11.989 b | 1.11159 | 165.309 b | 6.75735 b | 5.22666 b |
| JEFF-3.3 | 4.49683 b | 4.49683 b | 4.9755 b | 1.10645 | 165.415 b | 6.46486 b | 4.76062 b |
| JENDL-4.0u | 4.90248 b | 4.90248 b | 5.4309 b | 1.10778 | 198.365 b | 6.77769 b | 5.41085 b |
| BROND-3.1 | 10.7858 b | 10.7858 b | 11.989 b | 1.11159 | 165.309 b | 6.75735 b | 5.22666 b |
| CENDL-3.2 | 4.9139 b | 4.9139 b | 5.4424 b | 1.10754 | 195.114 b | 6.72925 b | 5.2823 b |
| TENDL-2019 | 10.3543 b | 10.3543 b | 11.502 b | 1.11088 | 175.982 b | 6.81109 b | 5.28866 b |

| | | |
|------------------|------------------------|----------------|
| << 64-Gd-158 | 64-Gd-160 | 65-Tb-159 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



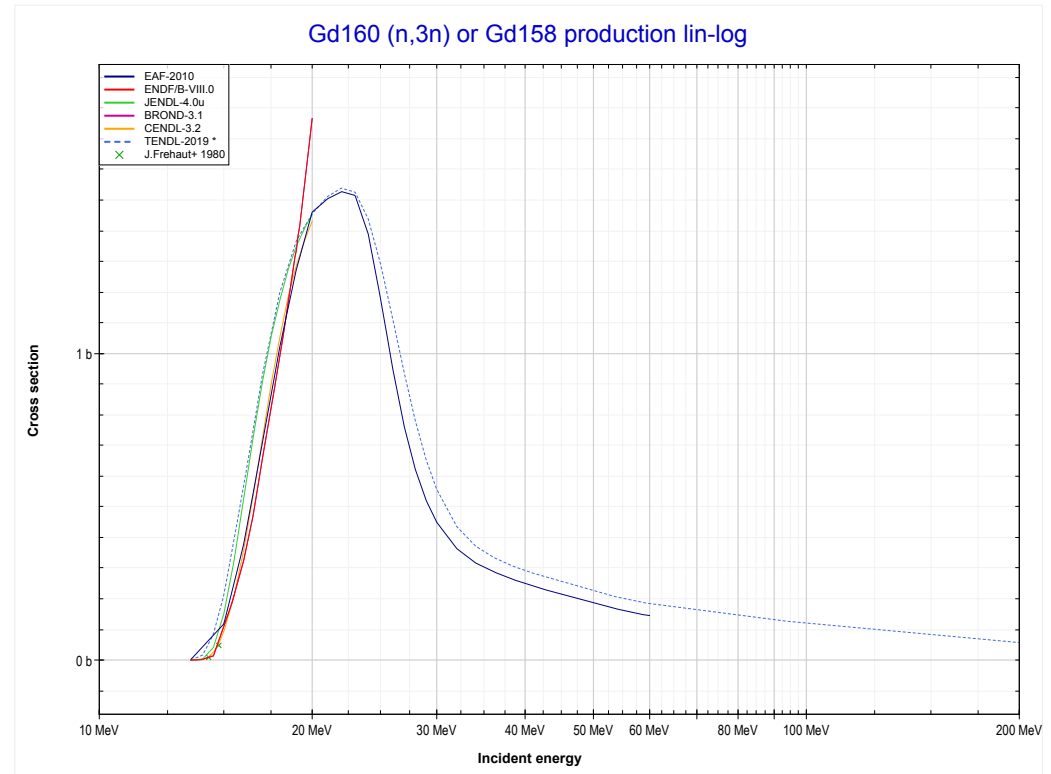
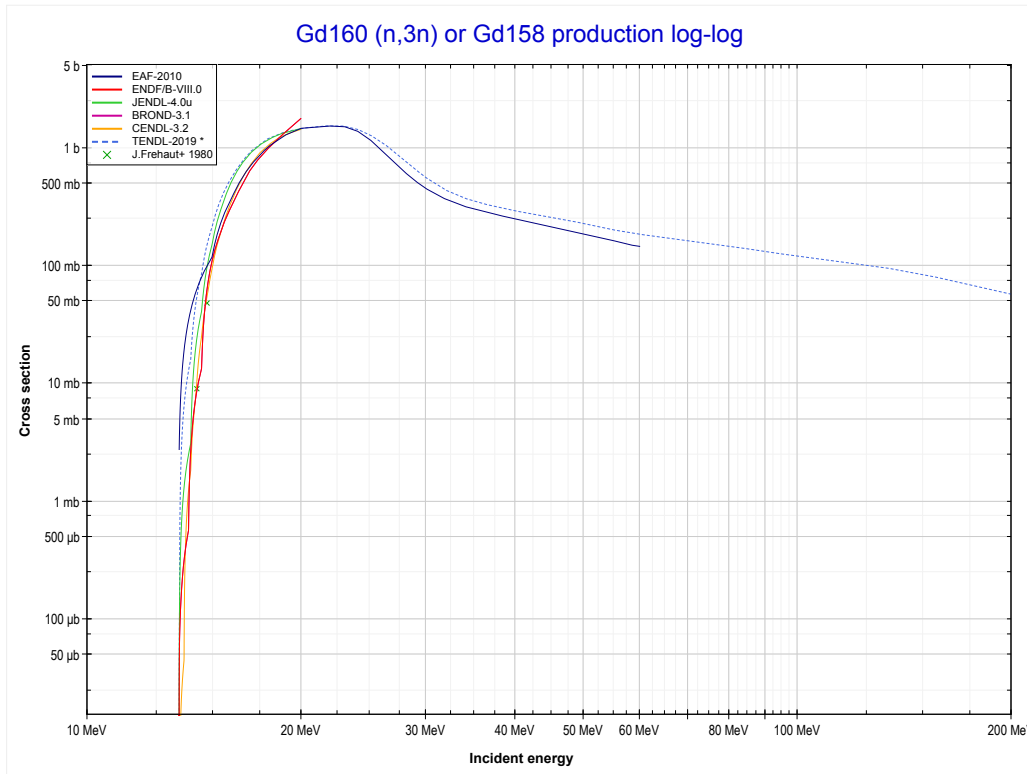
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.37556 b | 9.37556 b | 10.579 b | 1.12832 | 157.23 b | 4.24965 b | 2.83912 b |
| JEFF-3.3 | 3.72658 b | 3.72658 b | 4.2049 b | 1.12837 | 157.177 b | 4.89247 b | 3.28955 b |
| JENDL-4.0u | 4.11705 b | 4.11705 b | 4.6454 b | 1.12833 | 186.65 b | 4.55175 b | 2.81972 b |
| BROND-3.1 | 9.37556 b | 9.37556 b | 10.579 b | 1.12832 | 157.23 b | 4.24965 b | 2.83912 b |
| CENDL-3.2 | 4.1178 b | 4.1178 b | 4.6465 b | 1.1284 | 183.186 b | 4.38716 b | 2.79177 b |
| TENDL-2019 | 8.94257 b | 8.94257 b | 10.091 b | 1.12839 | 168.183 b | 4.58379 b | 2.68164 b |

| | | |
|--------------------|--|----------------|
| << 64-Gd-158 | 64-Gd-160 | 65-Tb-159 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Gd159 production) | MT17 (n,3n) >> |



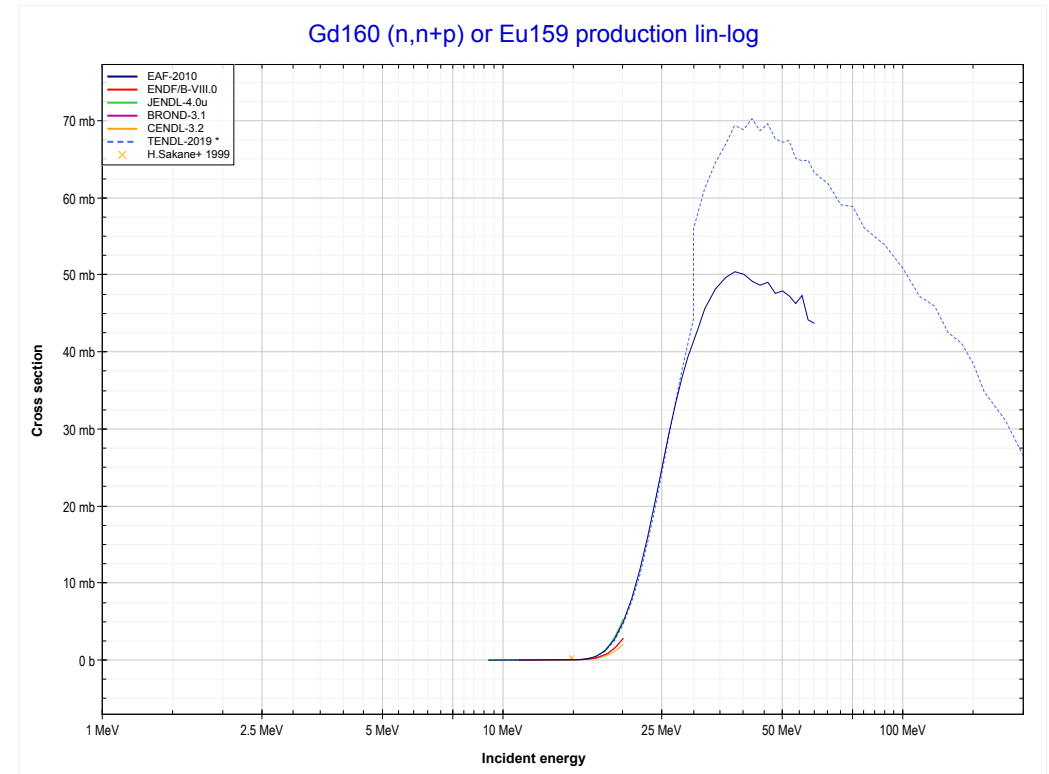
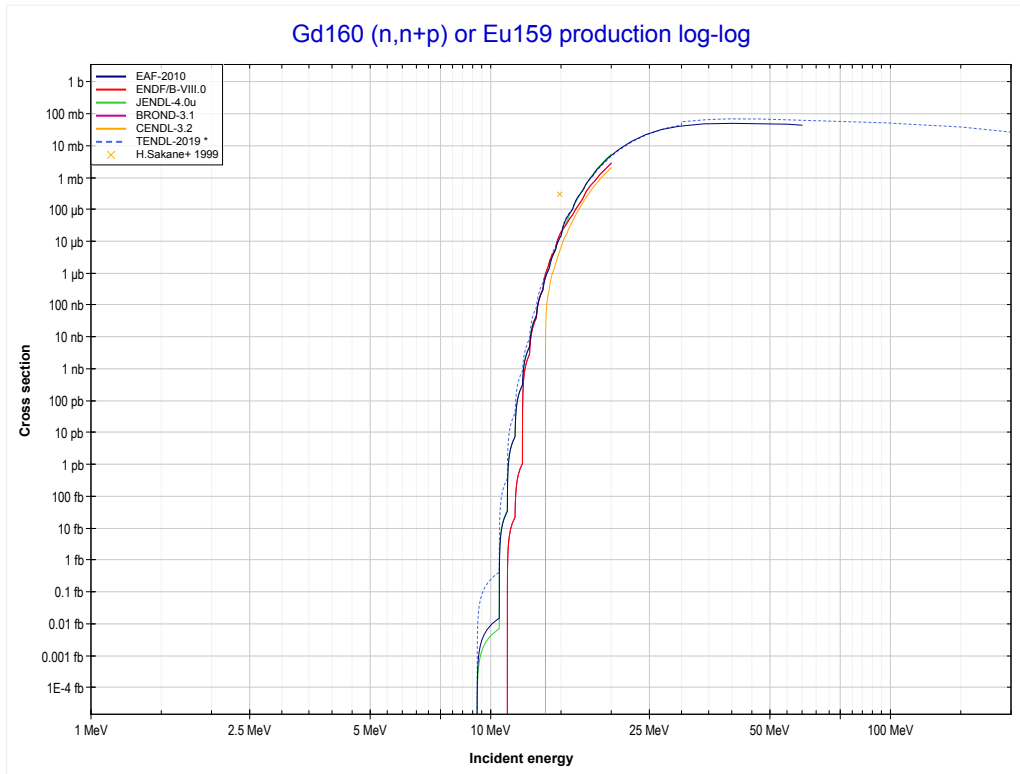
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00876082 b | 1.75291 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00752233 b | 1.84788 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00946734 b | 1.91384 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00752233 b | 1.84788 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00769093 b | 1.8014 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0100657 b | 1.9728 b |

| | | |
|----------------|--|-----------------|
| << 63-Eu-151 | 64-Gd-160 | 69-Tm-169 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Gd158 production) | MT28 (n,n+p) >> |



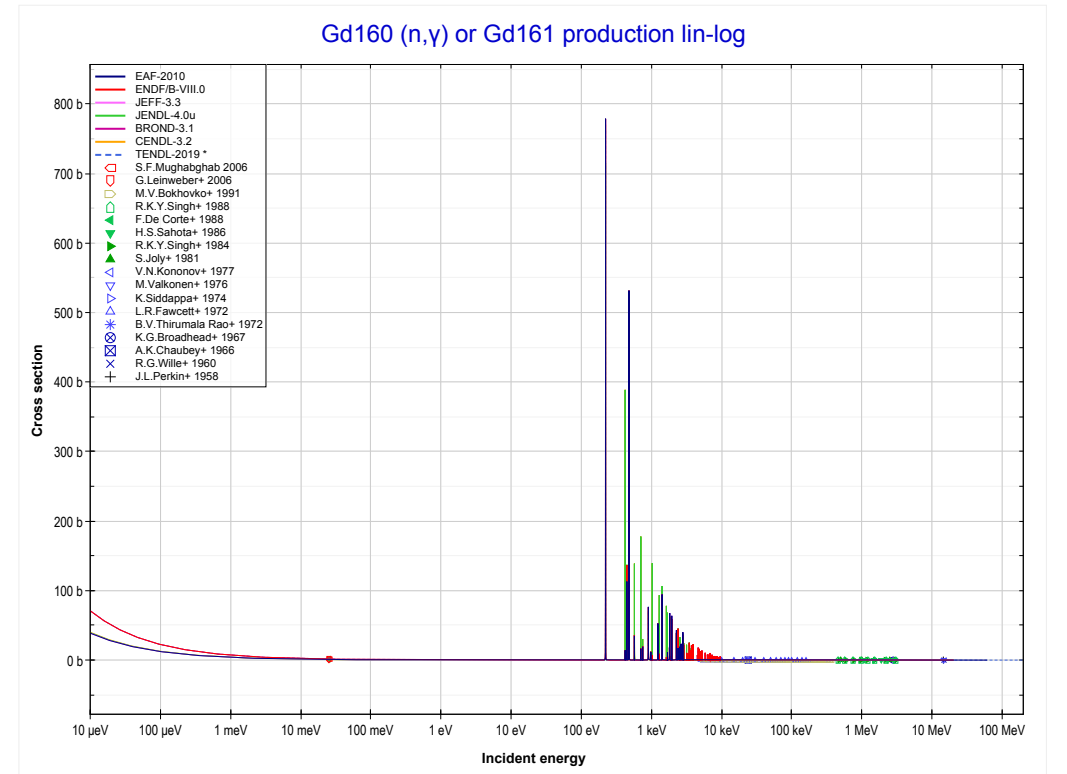
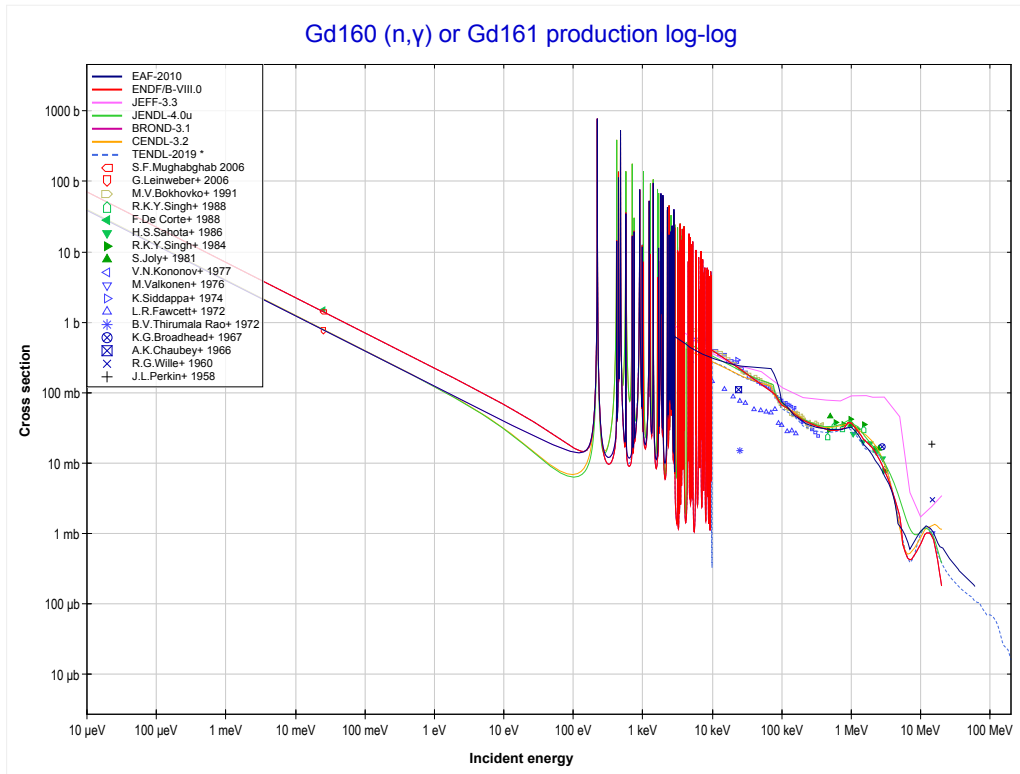
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25451E-5 b | 0.0419253 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.69047E-5 b | 0.00269873 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.68043E-5 b | 0.00309117 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.69047E-5 b | 0.00269873 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.7993E-5 b | 0.0018248 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18445E-5 b | 0.0159851 b |

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|----------------|---|-------------------------|
| << 64-Gd-158 | 64-Gd-160 | 66-Dy-163 >> |
| << MT17 (n,3n) | MT28 (n,n+p) or MT5 (Eu159 production) | MT102 (n, γ) >> |



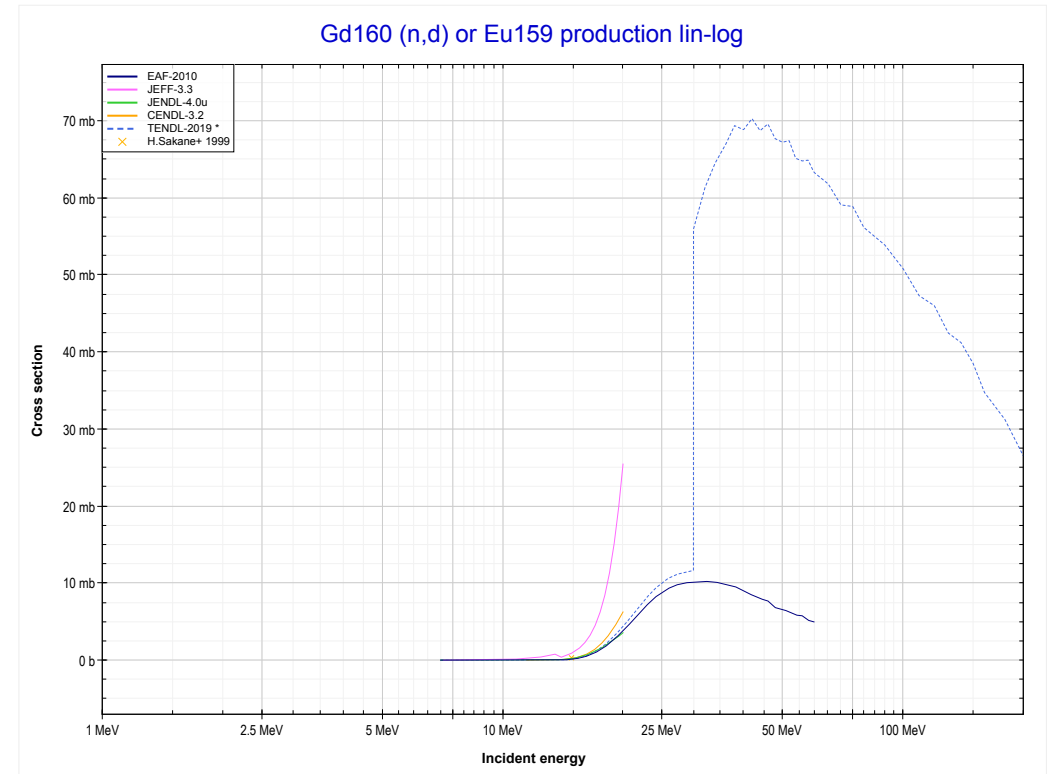
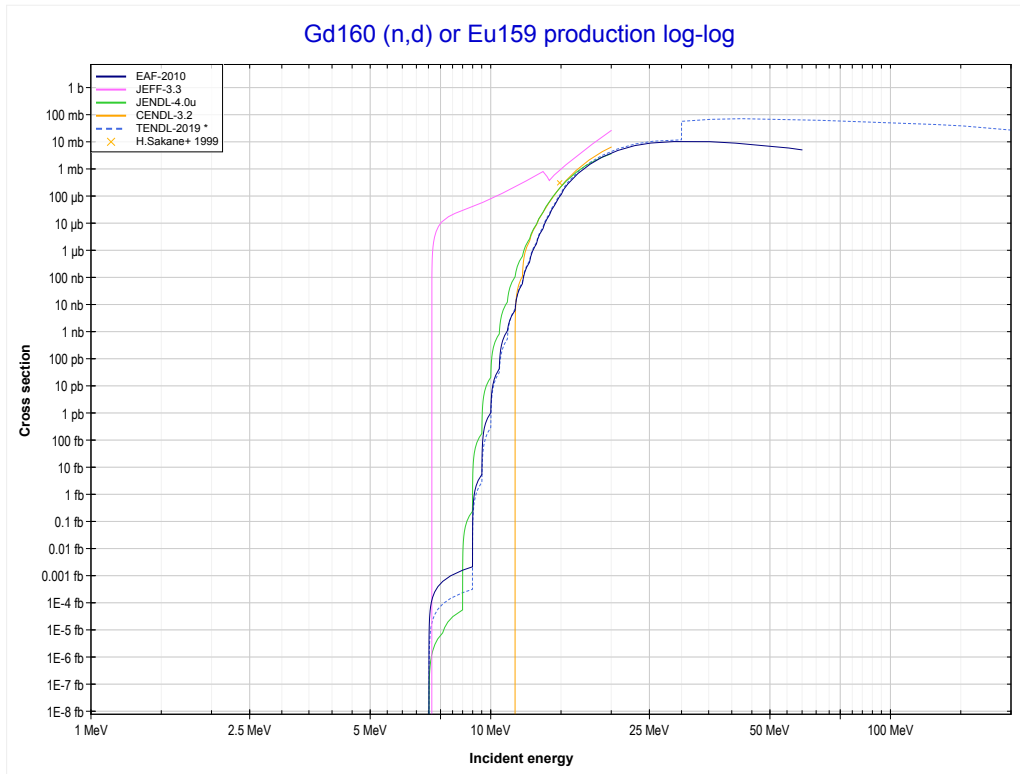
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.343E-8 b | 2.18364E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.38664E-8 b | 1.37017E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.343E-8 b | 2.18365E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.05294E-9 b | 2.9573E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.2428E-8 b | 1.78795E-6 b |

| | | |
|-----------------|--|----------------|
| << 64-Gd-158 | 64-Gd-160 | 64-Gd-161 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Gd161 production) | MT104 (n,d) >> |



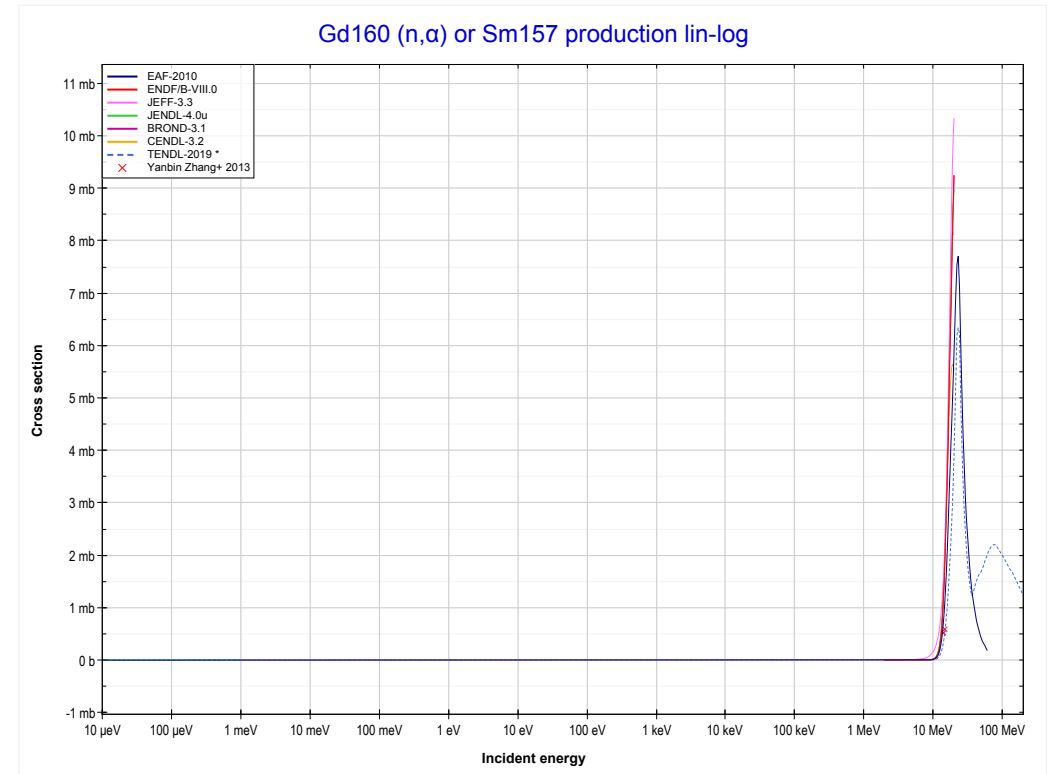
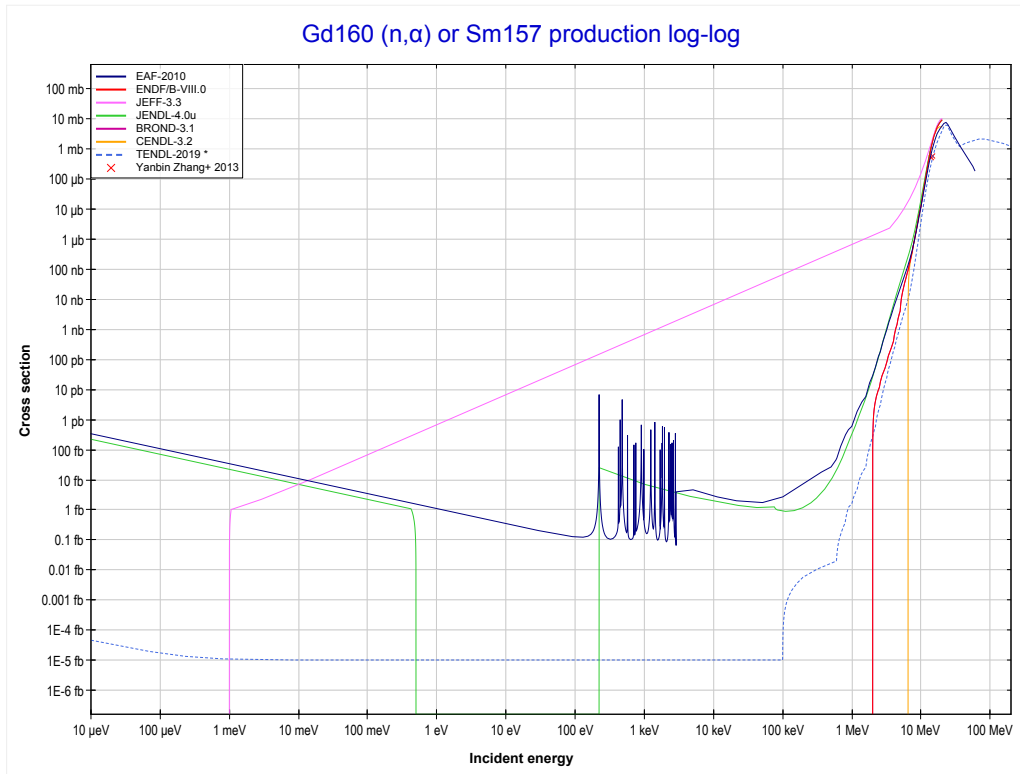
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.770953 b | 0.770376 b | 0.77017 b | 0.99974 | 8.03548 b | 0.0213885 b | 0.00117 b |
| ENDF/B-VIII.0 | 1.41029 b | 1.41029 b | 1.4108 b | 1.00035 | 8.04542 b | 0.022233 b | 9.72776E-4 b |
| JEFF-3.3 | 0.770251 b | 0.770251 b | 0.77058 b | 1.00043 | 8.21801 b | 0.0800481 b | 0.00233432 b |
| JENDL-4.0u | 0.785433 b | 0.785433 b | 0.78548 b | 1.00005 | 11.6814 b | 0.0250067 b | 0.00104287 b |
| BROND-3.1 | 1.41029 b | 1.41029 b | 1.4108 b | 1.00035 | 8.04542 b | 0.022233 b | 9.72776E-4 b |
| CENDL-3.2 | 0.796094 b | 0.796094 b | 0.79583 b | 0.99967 | 11.8983 b | 0.0242684 b | 0.00124756 b |
| TENDL-2019 | 1.41173 b | 1.41173 b | 1.4117 b | 1 | 7.76791 b | 0.0199095 b | 0.00107366 b |

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|-------------------------|--|-------------------------|
| << 64-Gd-158 | 64-Gd-160 | 66-Dy-163 >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (Eu159 production) | MT107 (n, α) >> |



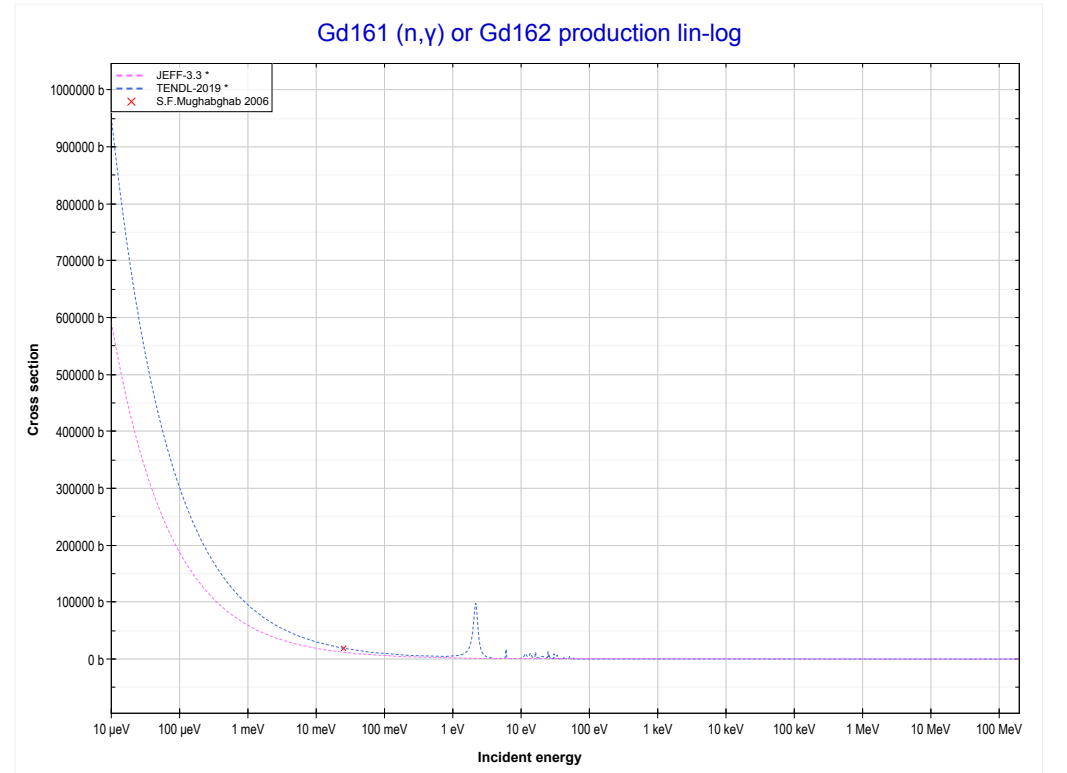
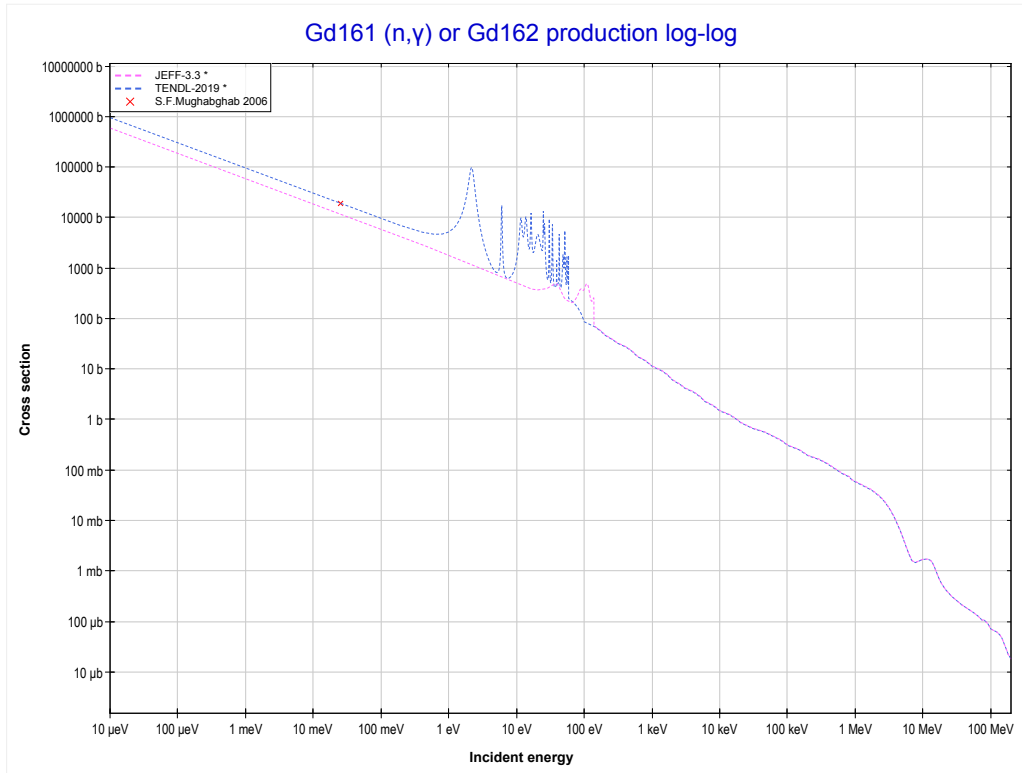
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.223E-8 b | 1.84627E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.12248E-7 b | 3.6409E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.68476E-8 b | 5.7075E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.03089E-8 b | 5.6458E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.87103E-8 b | 2.09612E-5 b |

| | | |
|----------------|--|-----------------------------------|
| << 64-Gd-158 | 64-Gd-160 | 65-Tb-159 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Sm157 production) | 64-Gd-161 MT102 (n, γ) >> |



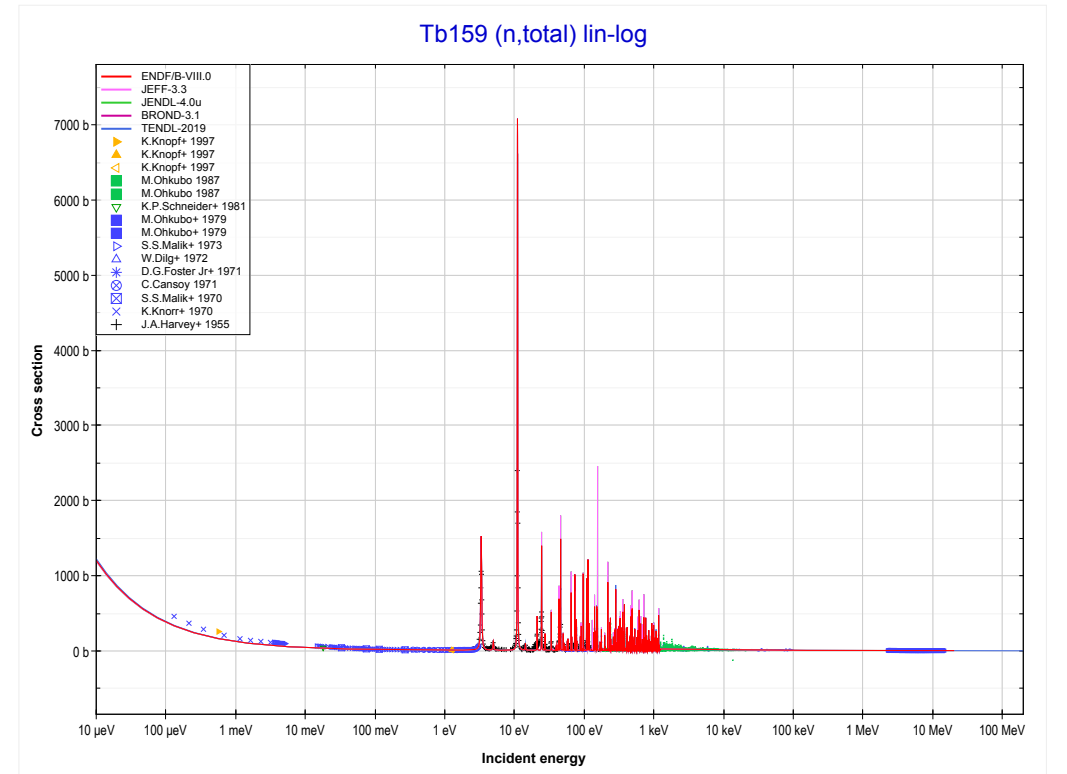
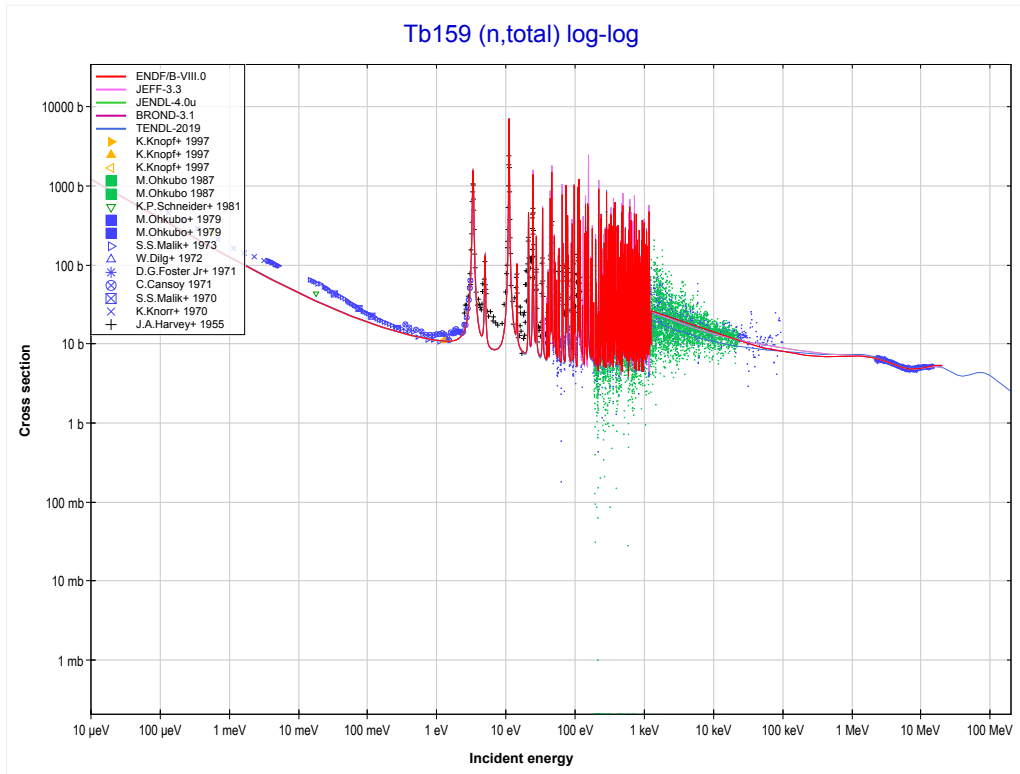
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.7686E-15 b | 6.76353E-15 b | 6.7618E-15 b | 0.99974 | 7.09372E-14 b | 3.83029E-7 b | 7.0306E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.82638E-7 b | 0.00114674 b |
| JEFF-3.3 | 1.69916E-14 b | 1.69916E-14 b | 3.8025E-14 b | 2.23787 | 6.59368E-8 b | 3.52321E-6 b | 0.0015386 b |
| JENDL-4.0u | 4.4205E-15 b | 4.4205E-15 b | 4.4224E-15 b | 1.00042 | 3.31737E-14 b | 6.73295E-7 b | 0.00121605 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.82638E-7 b | 0.00114674 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.89959E-7 b | 0.001183 b |
| TENDL-2019 | 1.0032E-20 b | 1.0032E-20 b | 1.132E-20 b | 1.12839 | 1.22064E-19 b | 1.75656E-7 b | 3.23094E-4 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 64-Gd-160 | 64-Gd-161 | 65-Tb-159 >> |
| << 64-Gd-160 MT107 (n, α) | MT102 (n,γ) or MT5 (Gd162 production) | 65-Tb-159 MT1 (n,total) >> |



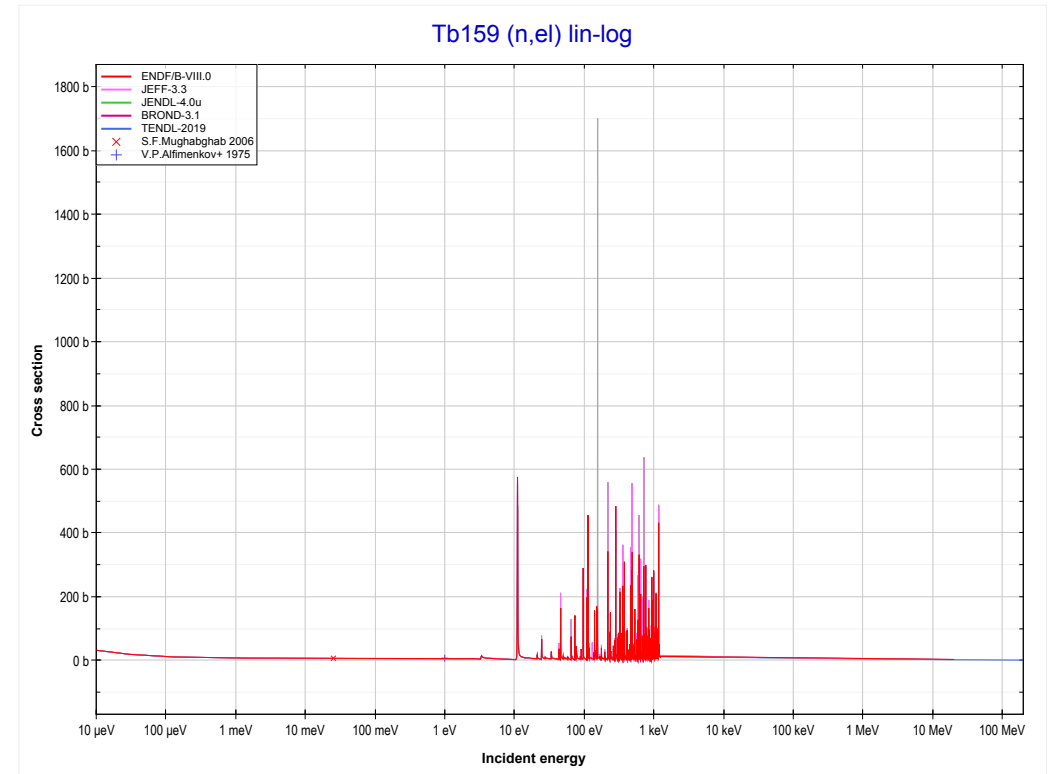
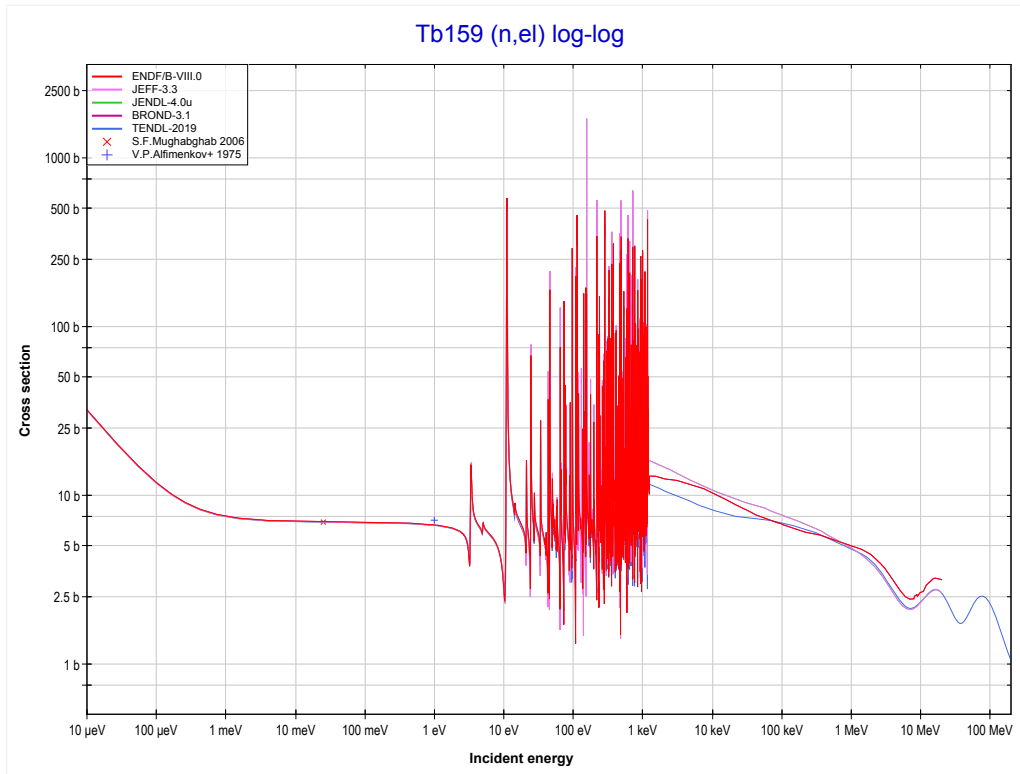
| Reaction | Q-Value |
|--------------------------|-------------|
| Gd161(n, γ)Gd162 | 6845.52 keV |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 64-Gd-160 | 65-Tb-159 | 66-Dy-160 >> |
| << 64-Gd-161 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



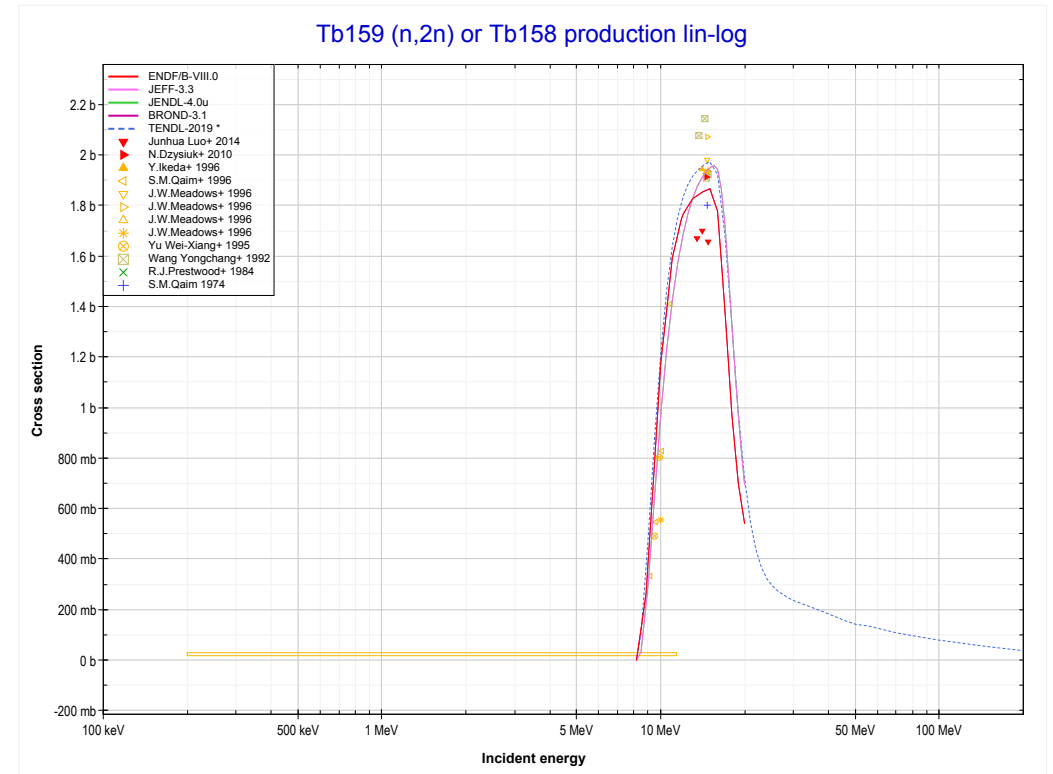
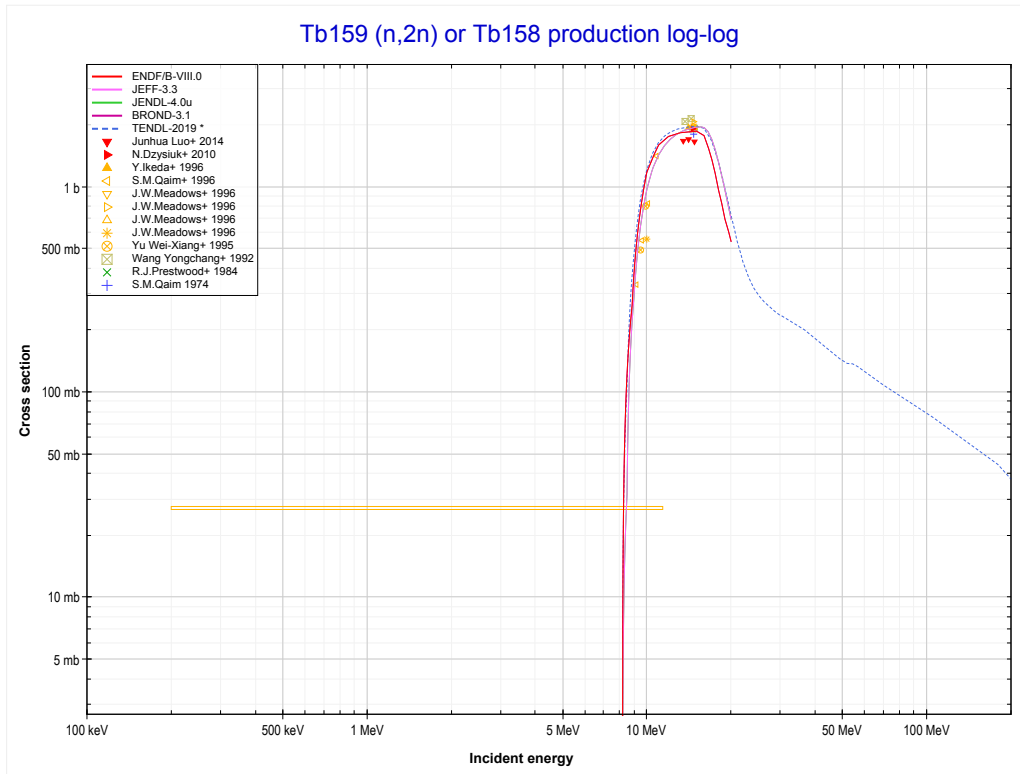
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 30.3062 b | 30.3062 b | 31.229 b | 1.03046 | 556.145 b | 6.58751 b | 5.26275 b |
| JEFF-3.3 | 30.0323 b | 30.0323 b | 30.953 b | 1.03065 | 567.098 b | 6.75739 b | 5.15345 b |
| JENDL-4.0u | 30.0323 b | 30.0323 b | 30.953 b | 1.03065 | 567.098 b | 6.75739 b | 5.15345 b |
| BROND-3.1 | 30.3062 b | 30.3062 b | 31.229 b | 1.03046 | 556.145 b | 6.58751 b | 5.26275 b |
| TENDL-2019 | 30.765 b | 30.765 b | 31.675 b | 1.02959 | 540.916 b | 6.88678 b | 5.22943 b |

| | | |
|------------------|------------------------|----------------|
| << 64-Gd-160 | 65-Tb-159 | 66-Dy-160 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



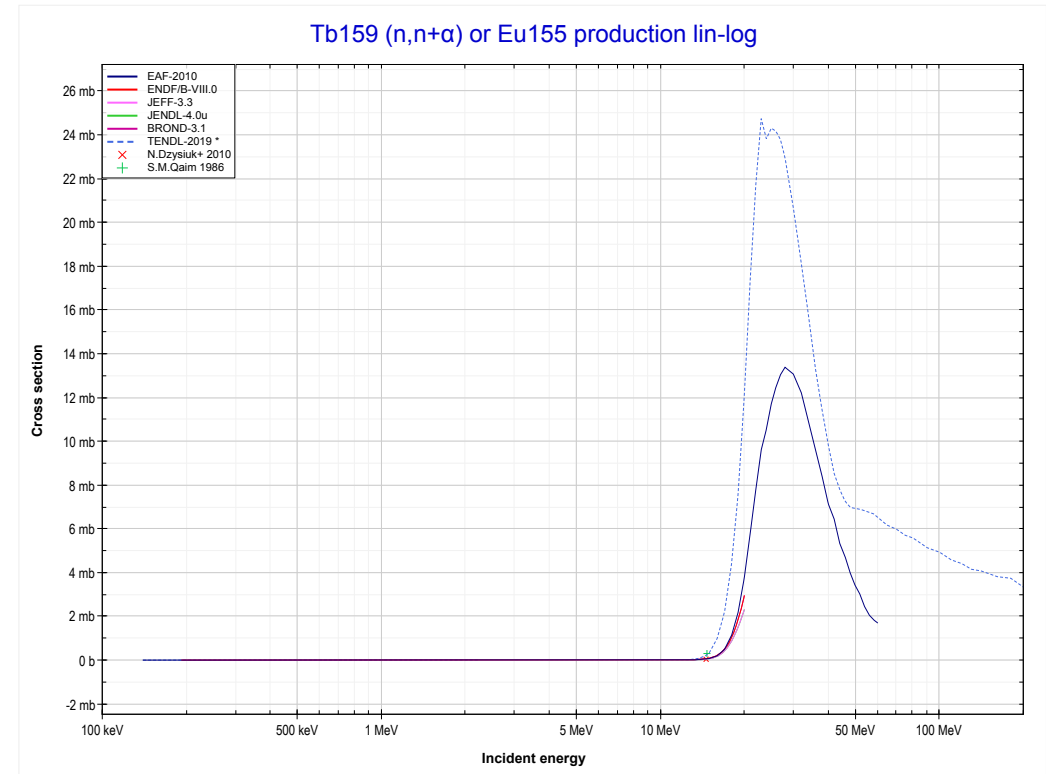
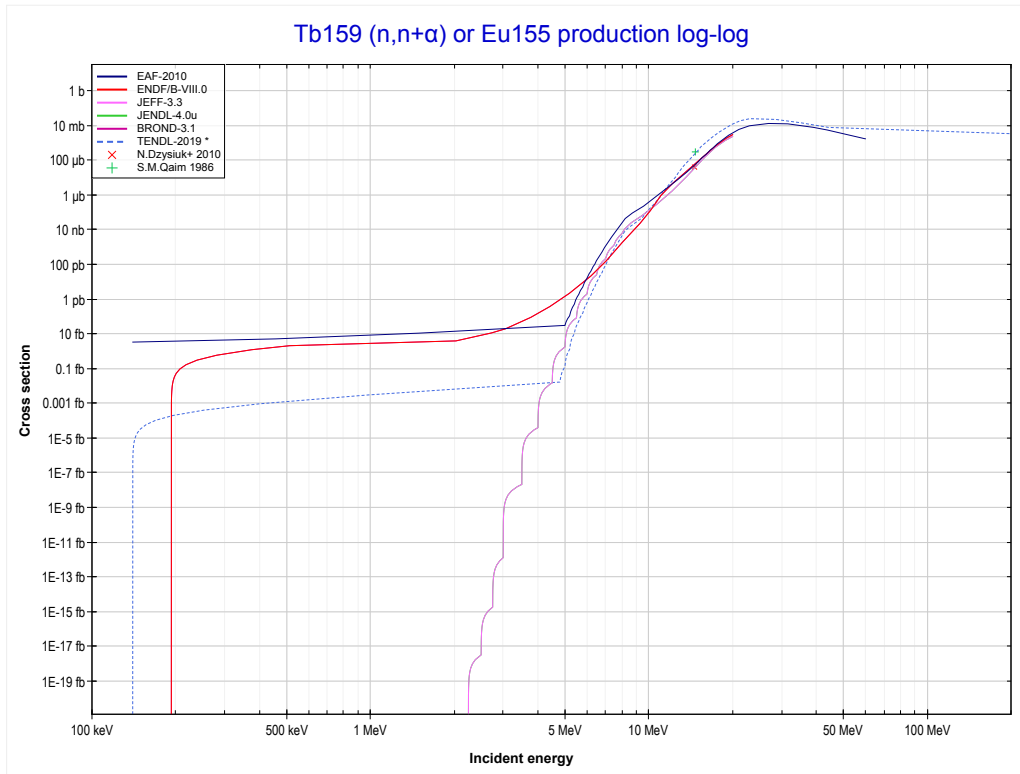
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.94762 b | 6.94762 b | 7.8322 b | 1.12733 | 142.368 b | 4.52677 b | 3.11579 b |
| JEFF-3.3 | 6.89833 b | 6.89833 b | 7.7771 b | 1.12738 | 158.802 b | 4.3074 b | 2.69684 b |
| JENDL-4.0u | 6.89833 b | 6.89833 b | 7.7771 b | 1.12738 | 158.802 b | 4.3074 b | 2.69684 b |
| BROND-3.1 | 6.94762 b | 6.94762 b | 7.8322 b | 1.12733 | 142.368 b | 4.52677 b | 3.11579 b |
| TENDL-2019 | 6.91877 b | 6.91877 b | 7.7998 b | 1.12733 | 131.38 b | 4.26614 b | 2.67558 b |

| | | |
|--------------------|--|-----------------|
| << 64-Gd-160 | 65-Tb-159 | 66-Dy-156 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Tb158 production) | MT22 (n,n+α) >> |



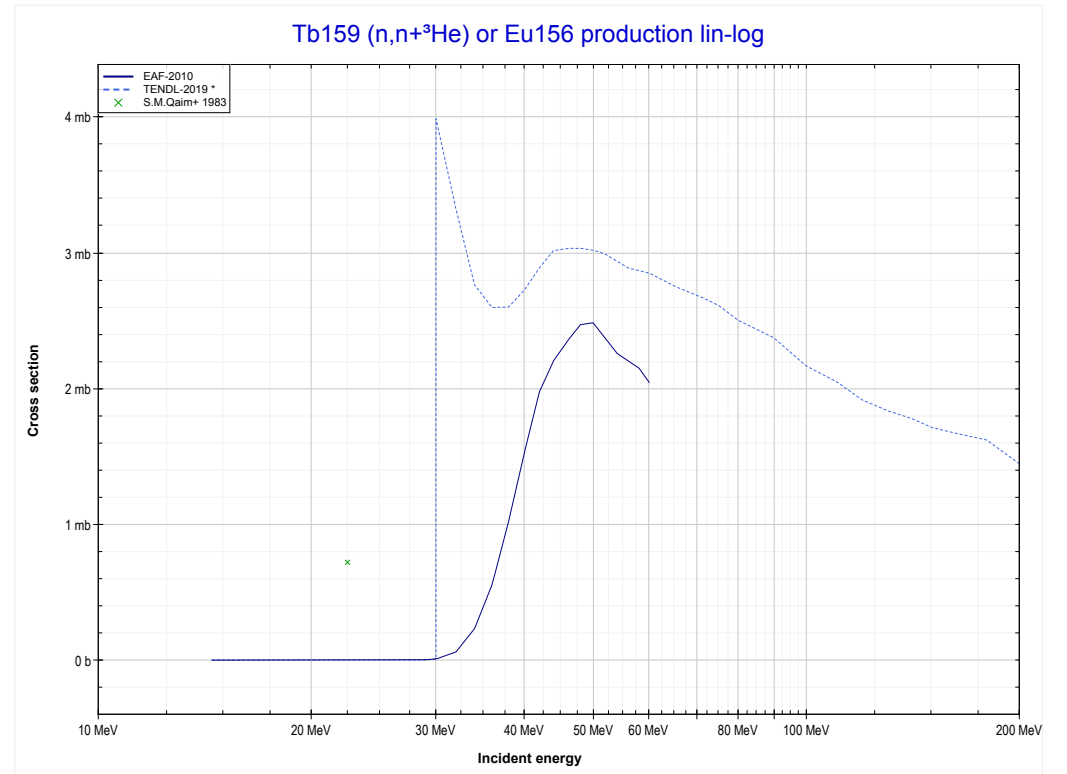
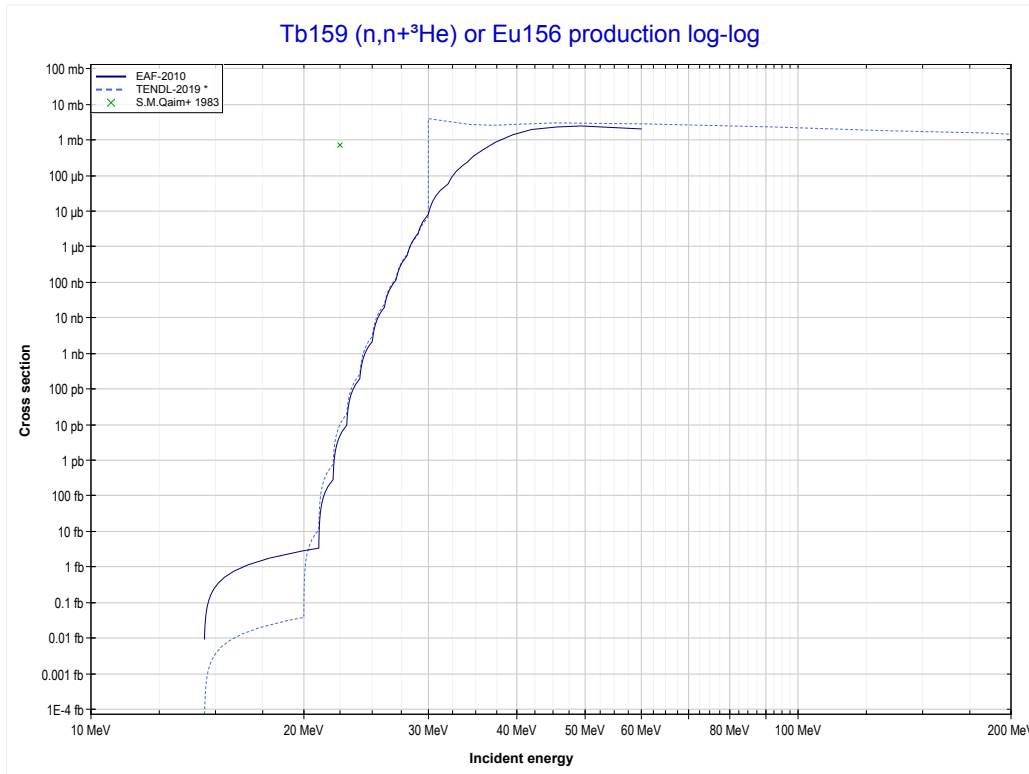
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00494866 b | 1.85159 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00428886 b | 1.9073 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00428886 b | 1.9073 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00494866 b | 1.85159 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00533279 b | 1.95332 b |

| | | |
|----------------|---|--------------------------------|
| << 57-La-139 | 65-Tb-159 | 67-Ho-165 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Eu155 production) | MT34 (n,n+ ³ He) >> |



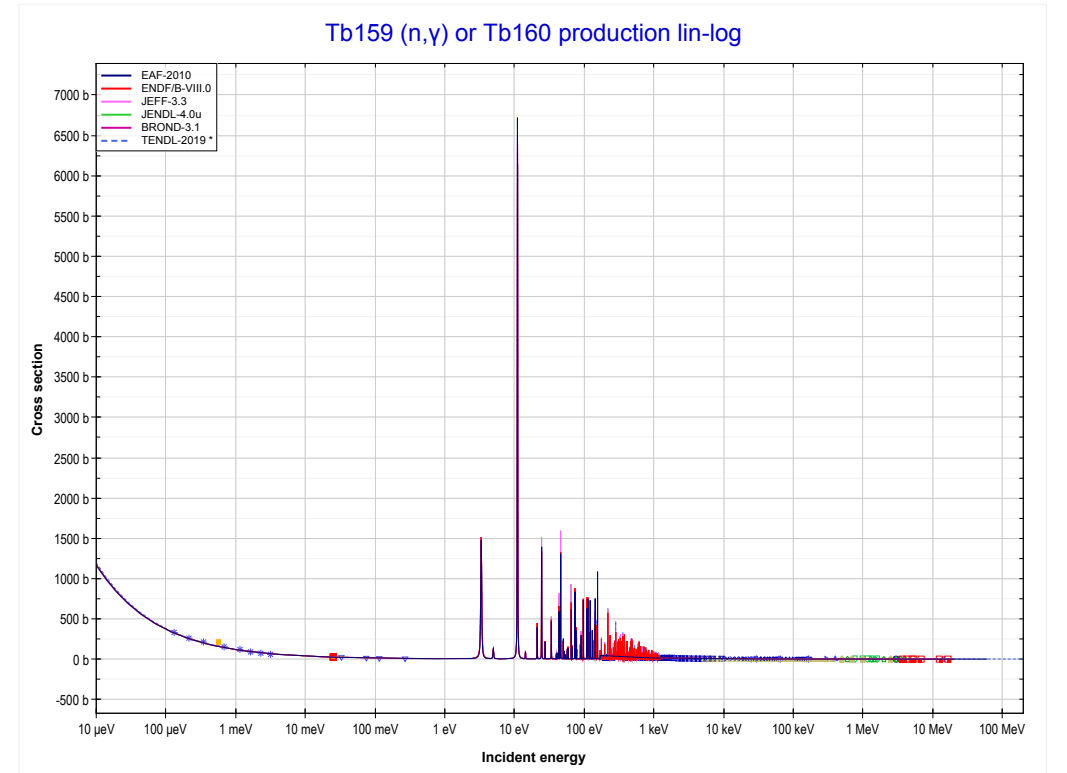
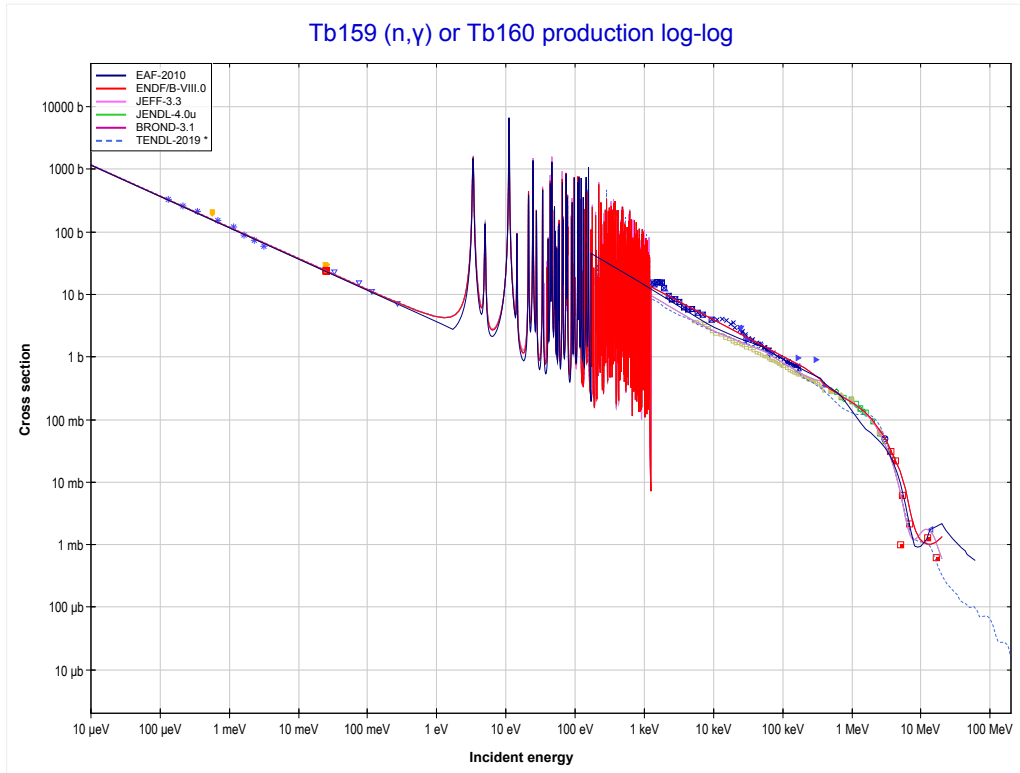
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.10076E-8 b | 3.21103E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.2637E-8 b | 1.64834E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.2637E-8 b | 1.64834E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.10076E-8 b | 3.21103E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24542E-7 b | 1.08957E-4 b |

| | | |
|-----------------|--|----------------|
| << 60-Nd-146 | 65-Tb-159 | 67-Ho-165 >> |
| << MT22 (n,n+α) | MT34 (n,n+³He) or MT5 (Eu156 production) | MT102 (n,γ) >> |



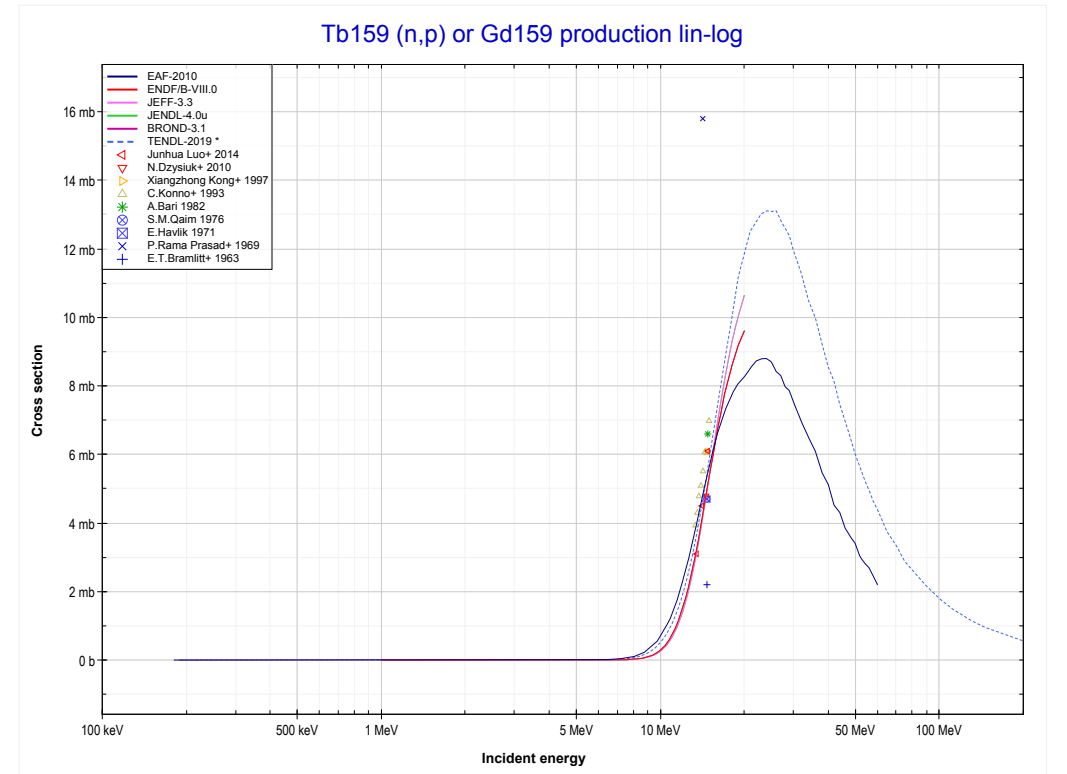
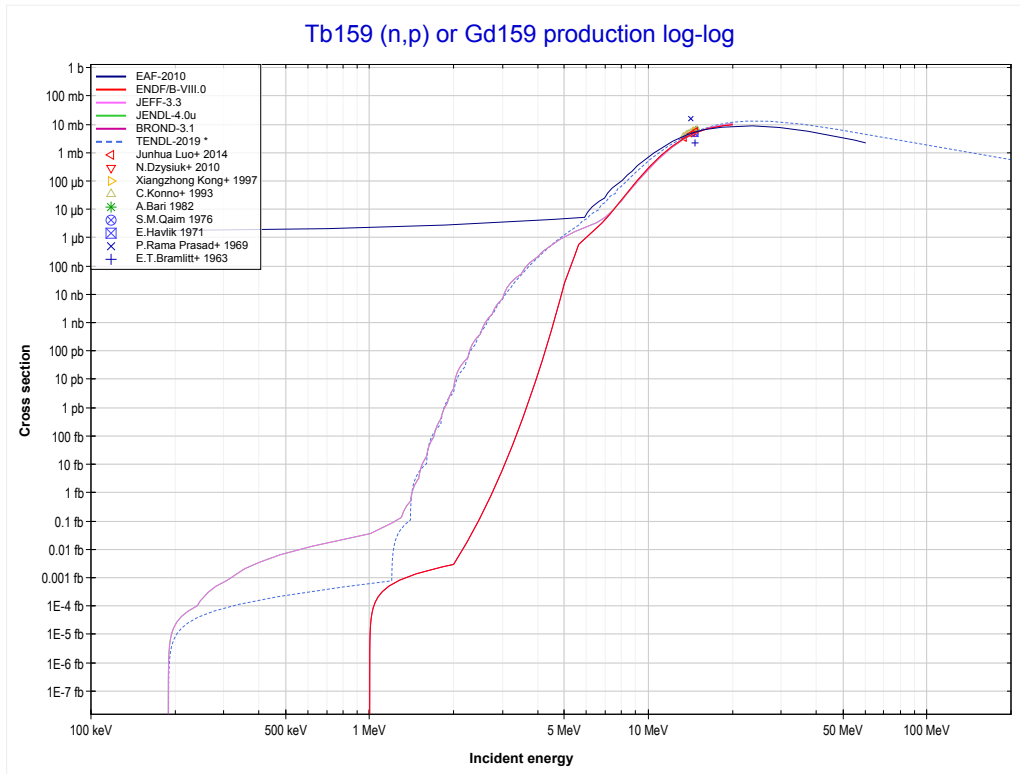
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.47667E-22 b | 0 b |

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|--------------------------------|--|----------------|
| << 64-Gd-161 | 65-Tb-159 | 65-Tb-160 >> |
| << MT34 (n,n+ ³ He) | MT102 (n,γ) or MT5 (Tb160 production) | MT103 (n,p) >> |



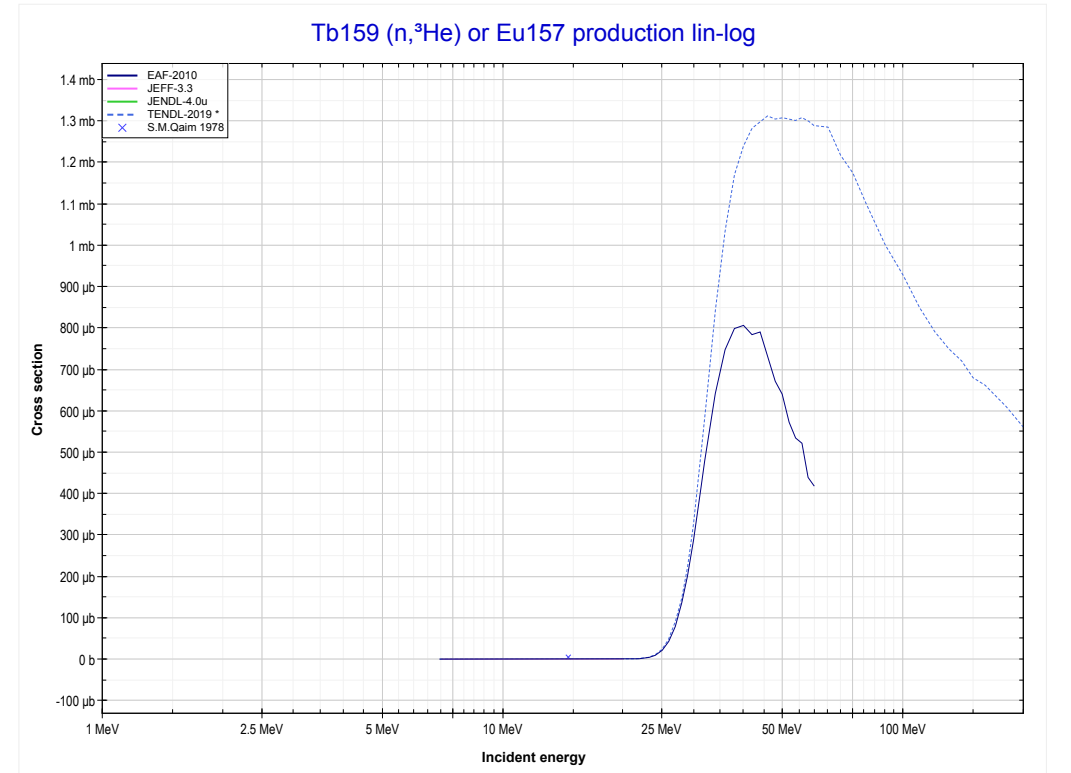
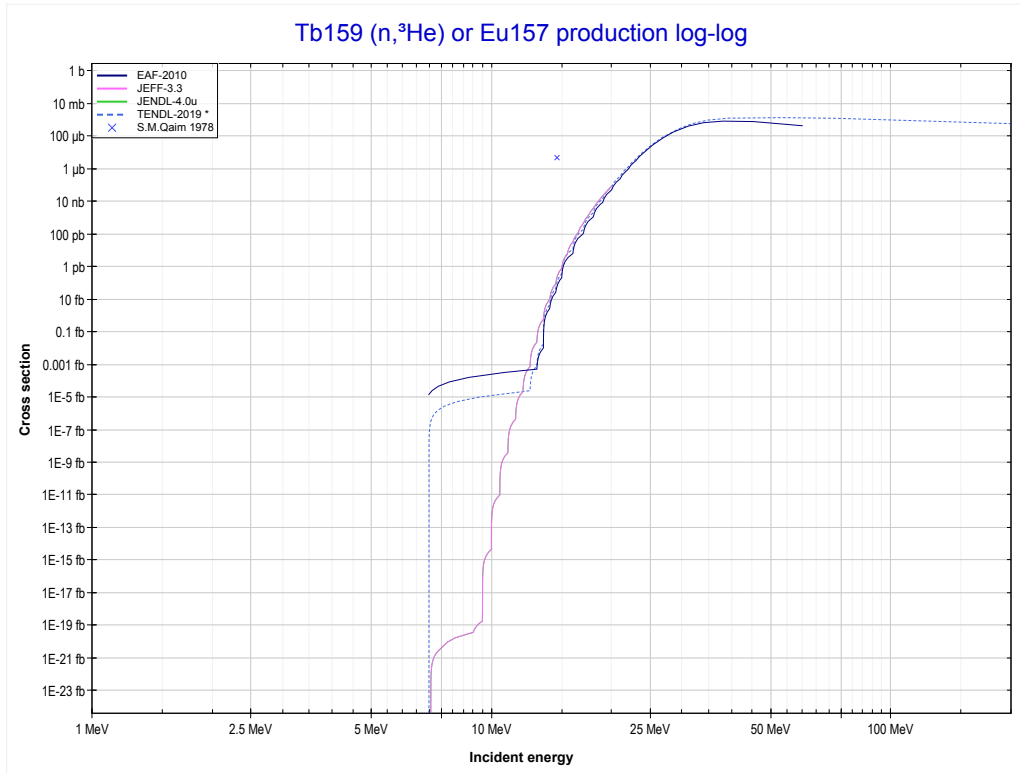
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 23.228 b | 23.2106 b | 23.205 b | 0.99975 | 412.736 b | 0.158787 b | 0.00177154 b |
| ENDF/B-VIII.0 | 23.3586 b | 23.3586 b | 23.397 b | 1.00165 | 413.671 b | 0.188071 b | 0.00101192 b |
| JEFF-3.3 | 23.1339 b | 23.1339 b | 23.176 b | 1.00181 | 408.144 b | 0.171172 b | 0.00158062 b |
| JENDL-4.0u | 23.1339 b | 23.1339 b | 23.176 b | 1.00181 | 408.144 b | 0.171172 b | 0.00158062 b |
| BROND-3.1 | 23.3586 b | 23.3586 b | 23.397 b | 1.00165 | 413.671 b | 0.188071 b | 0.00101192 b |
| TENDL-2019 | 23.8463 b | 23.8463 b | 23.875 b | 1.00122 | 409.38 b | 0.148526 b | 8.75193E-4 b |

| | | |
|-------------------------|--|------------------------------|
| << 64-Gd-158 | 65-Tb-159 | 66-Dy-156 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Gd159 production) | MT106 (n, ^3He) >> |



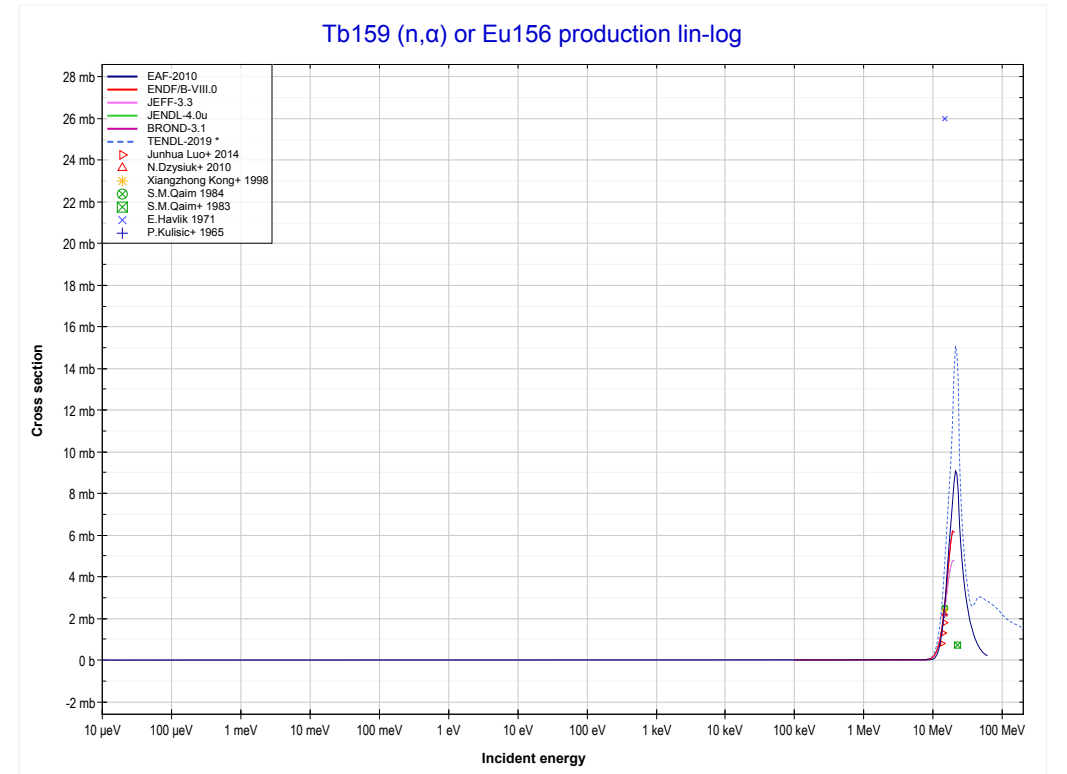
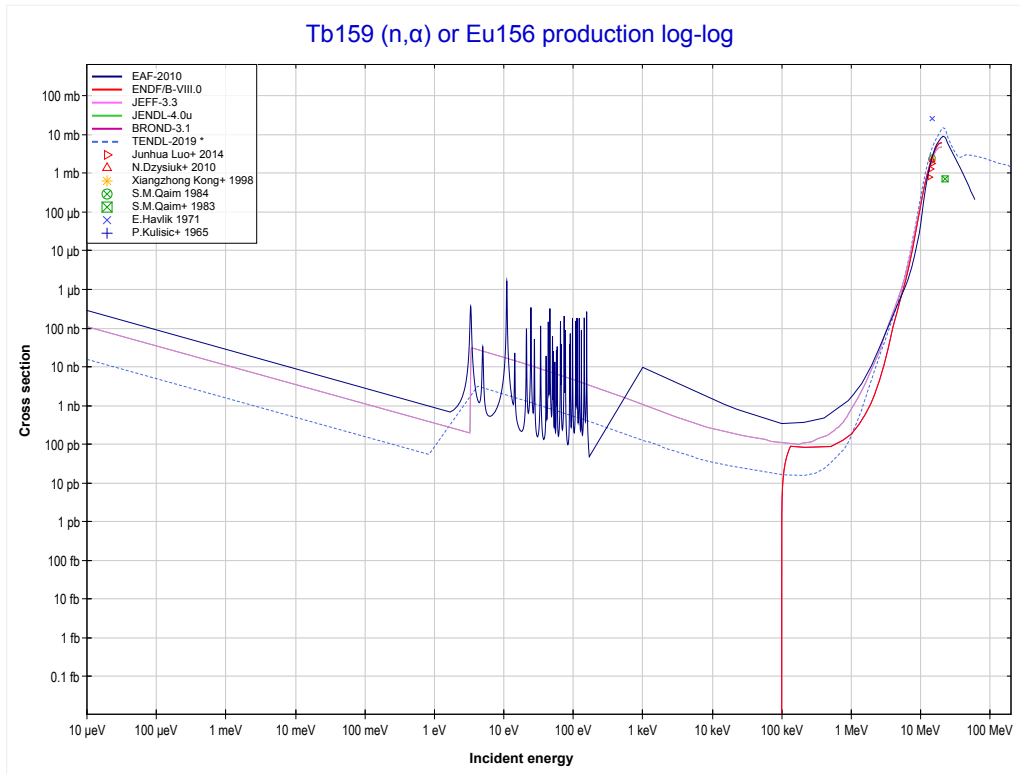
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.40464E-6 b | 0.00457763 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.11586E-6 b | 0.00397847 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.04799E-6 b | 0.00386026 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.04799E-6 b | 0.00386026 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.11586E-6 b | 0.00397847 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.80394E-6 b | 0.00438867 b |

| | | |
|----------------|---|----------------|
| << 60-Nd-148 | 65-Tb-159 | 67-Ho-165 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Eu157 production) | MT107 (n,α) >> |



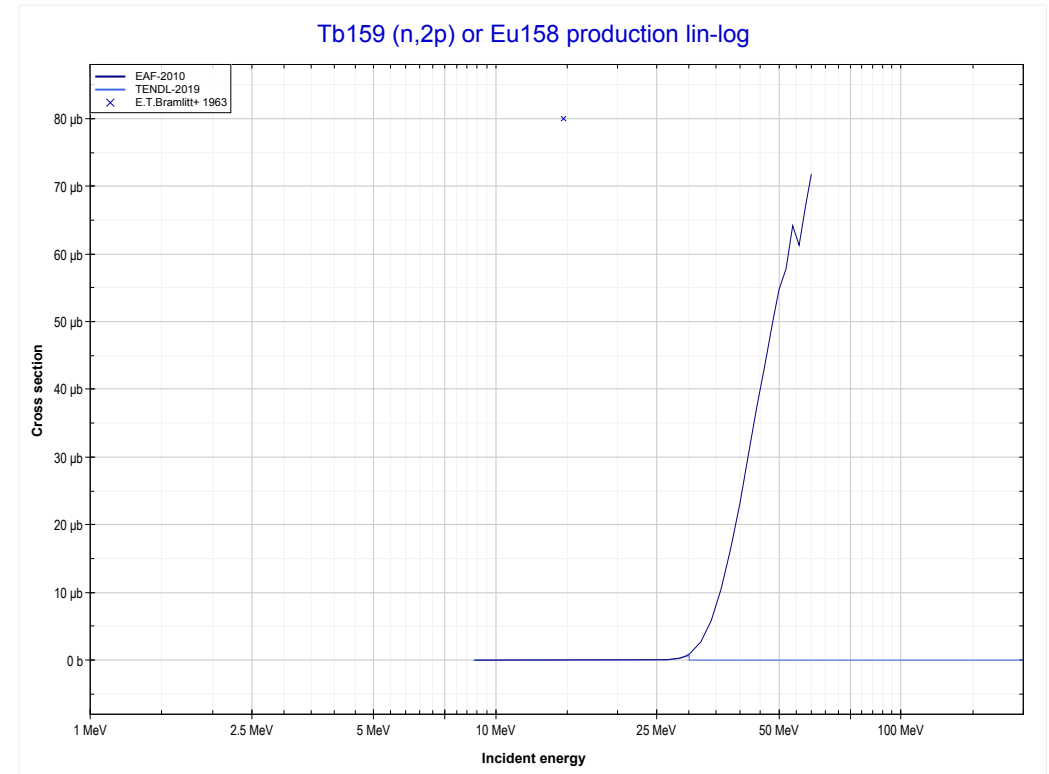
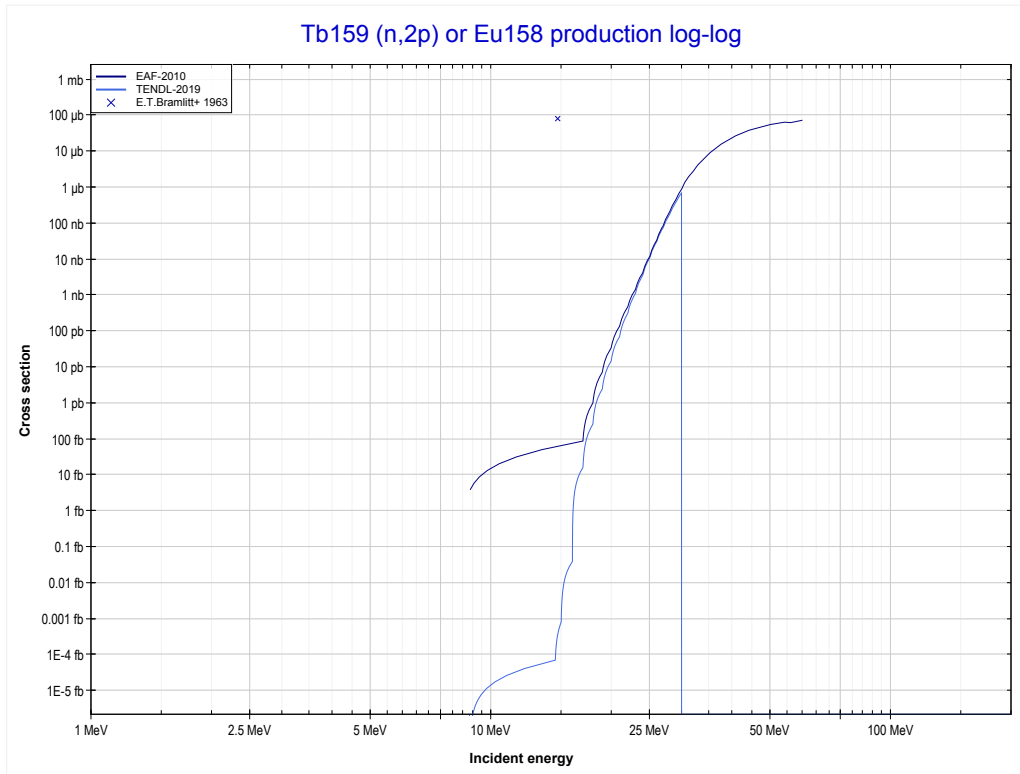
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.4113E-14 b | 2.60836E-15 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.20559E-13 b | 9.70986E-15 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.20559E-13 b | 9.7099E-15 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01742E-13 b | 4.5695E-15 b |

| | | |
|-------------------------------|--|-----------------|
| << 64-Gd-160 | 65-Tb-159 | 66-Dy-156 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Eu156 production) | MT111 (n,2p) >> |



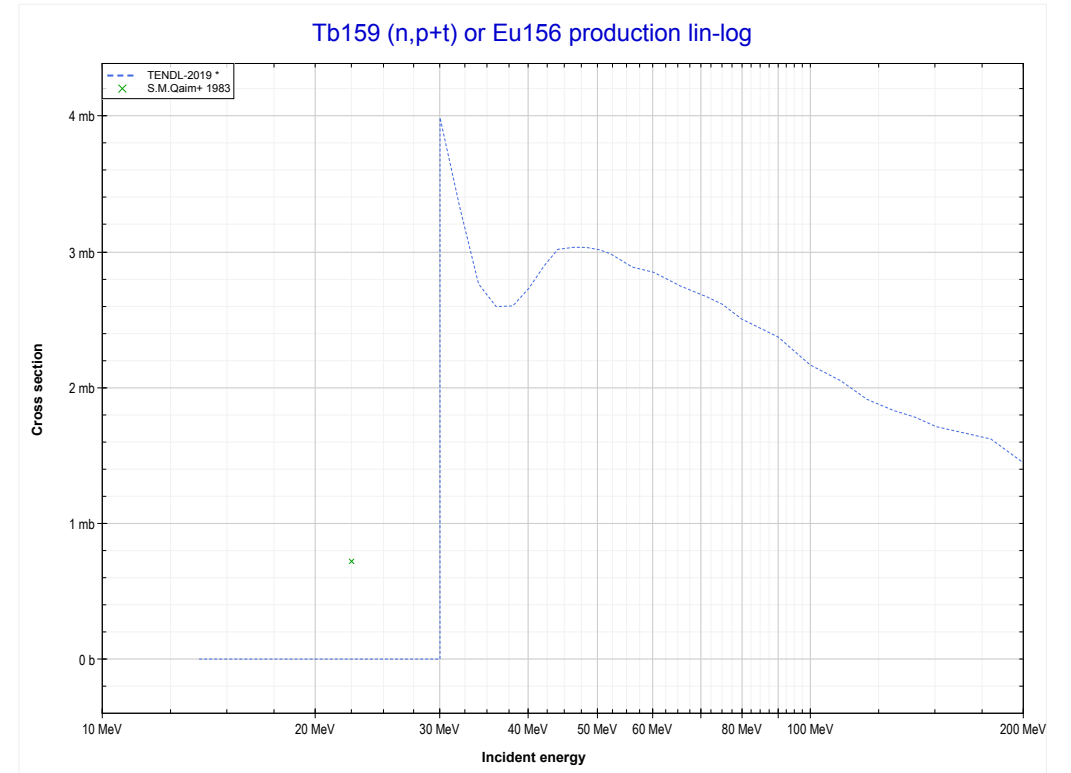
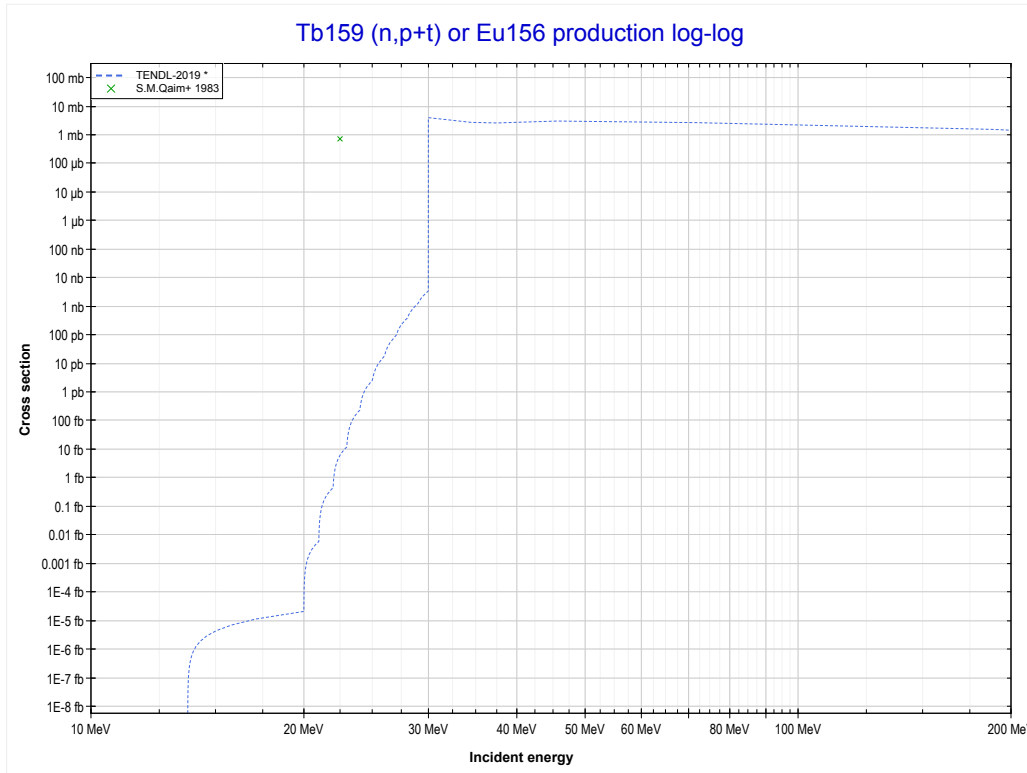
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.7077E-9 b | 5.70342E-9 b | 5.702E-9 b | 0.99975 | 9.94938E-8 b | 1.21706E-6 b | 0.0019262 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.3486E-22 b | 1.73671E-6 b | 0.0020572 b |
| JEFF-3.3 | 2.17136E-9 b | 2.17136E-9 b | 2.1723E-9 b | 1.00042 | 5.73117E-8 b | 1.86284E-6 b | 0.0019102 b |
| JENDL-4.0u | 2.17136E-9 b | 2.17136E-9 b | 2.1723E-9 b | 1.00042 | 5.73117E-8 b | 1.86284E-6 b | 0.0019102 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.34856E-22 b | 1.73671E-6 b | 0.0020572 b |
| TENDL-2019 | 3.109E-10 b | 3.109E-10 b | 3.1086E-10 b | 0.99986 | 6.9161E-9 b | 2.96171E-6 b | 0.00357345 b |

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|-------------------------|---|------------------|
| << 59-Pr-141 | 65-Tb-159 | |
| << MT107 (n, α) | MT111 (n,2p) or MT5 (Eu158 production) | MT116 (n,p+t) >> |



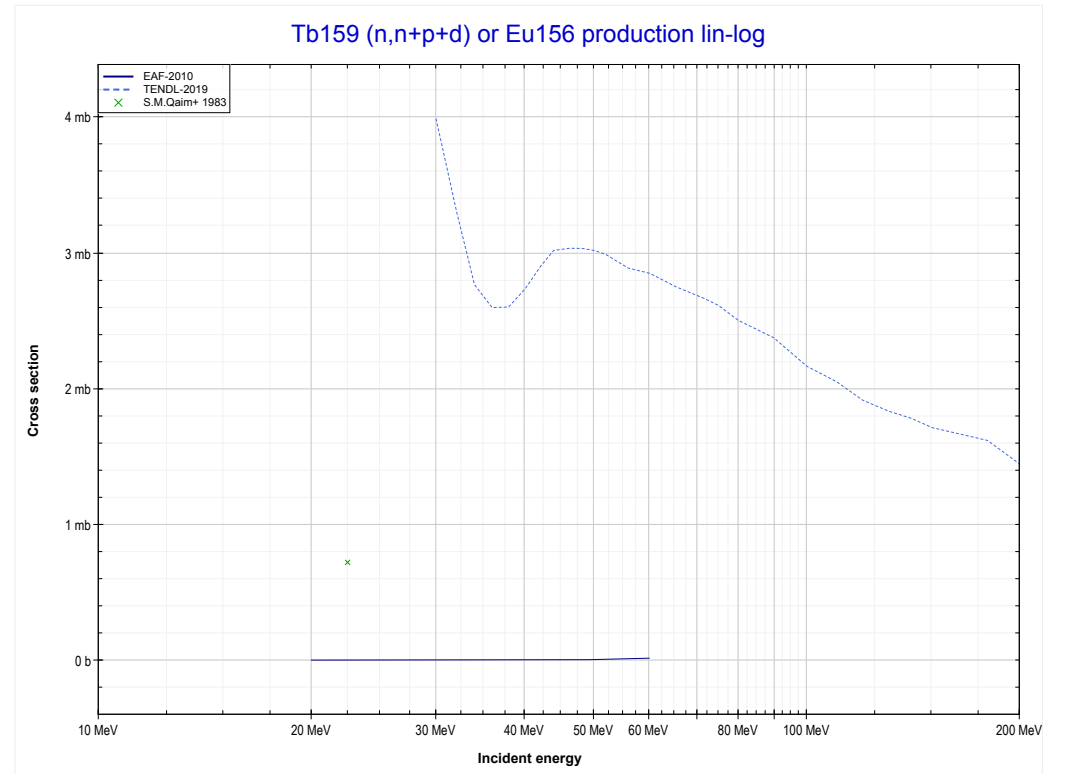
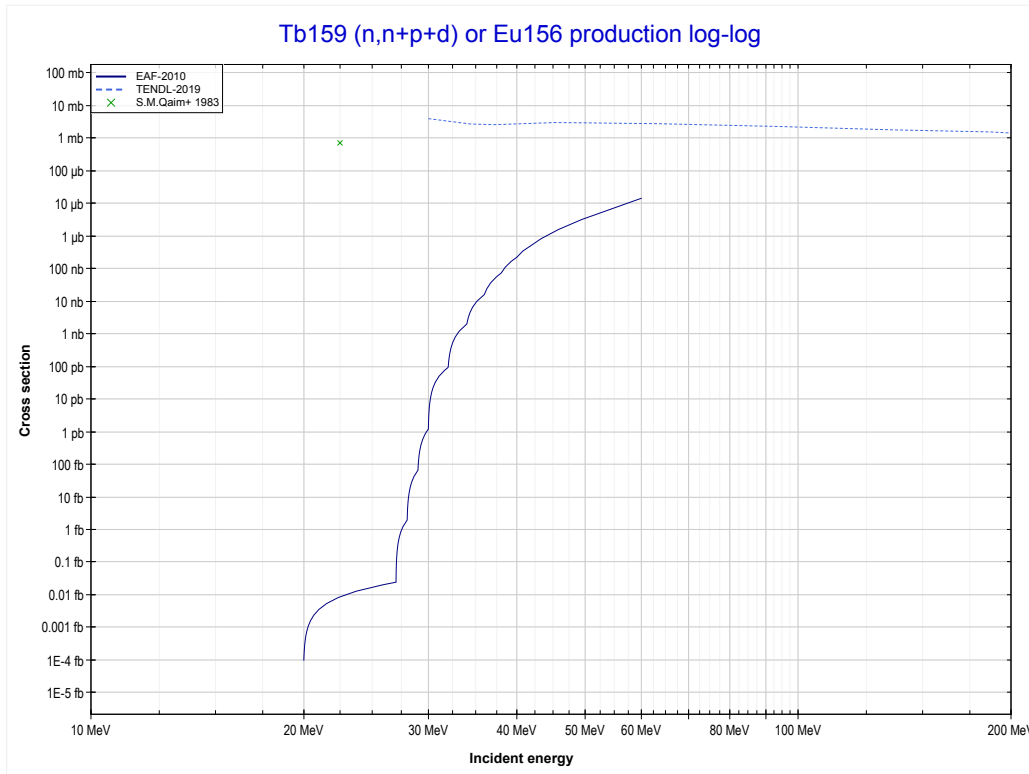
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.83879E-17 b | 6.29233E-20 b |

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|-----------------|--|--------------------|
| << 60-Nd-146 | 65-Tb-159 | 67-Ho-165 >> |
| << MT111 (n,2p) | MT116 (n,p+t) or MT5 (Eu156 production) | MT183 (n,n+p+d) >> |



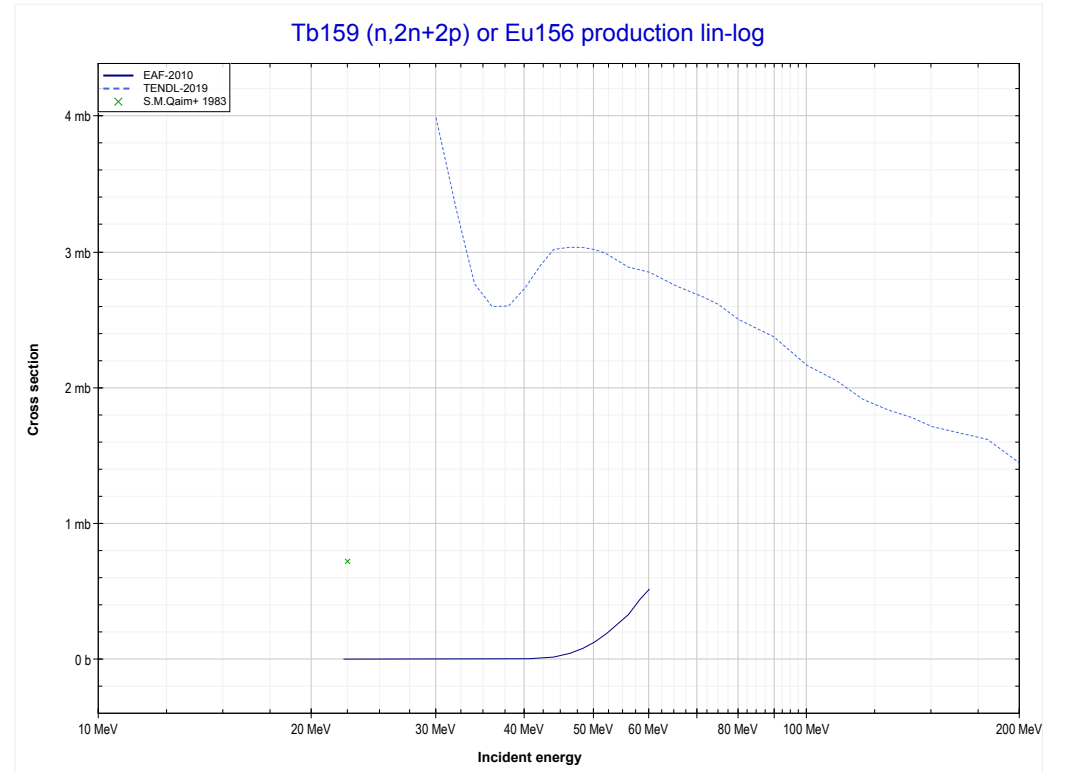
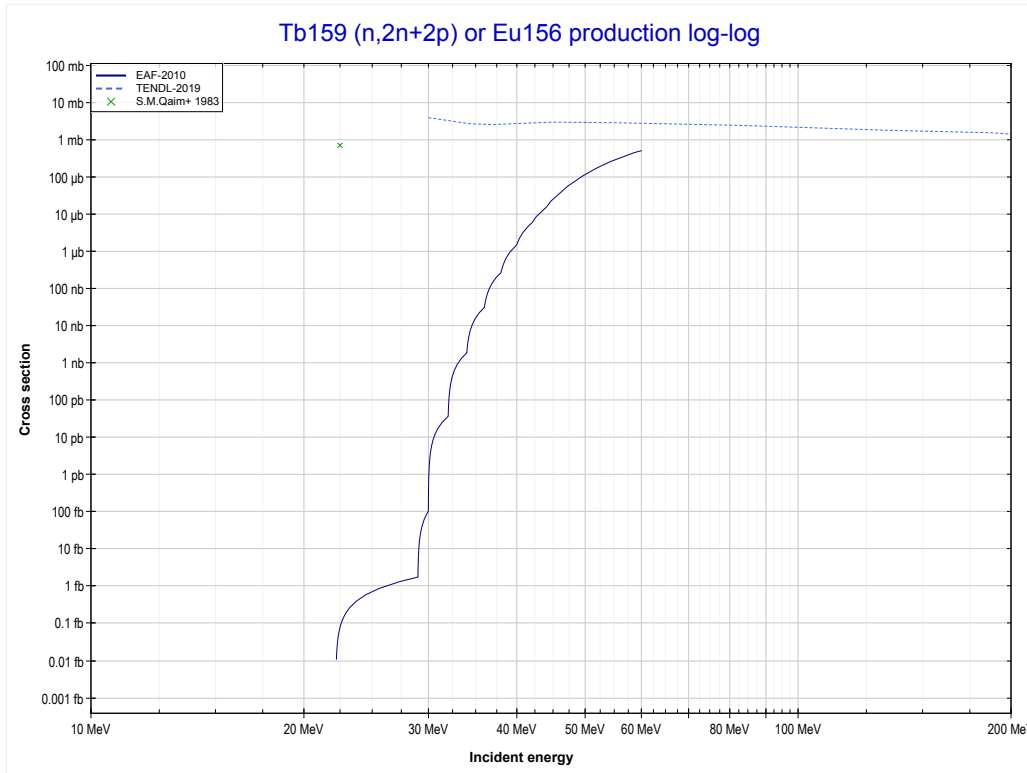
| Reaction | Q-Value |
|--------------------------|---------------|
| Tb159(n, α)Eu156 | 6197.00 keV |
| Tb159(n,p+t)Eu156 | -13616.86 keV |
| Tb159(n,n+He3)Eu156 | -14380.62 keV |
| Tb159(n,2d)Eu156 | -17649.53 keV |
| Tb159(n,n+p+d)Eu156 | -19874.09 keV |
| Tb159(n,2n+2p)Eu156 | -22098.66 keV |

| | | |
|------------------|--|--------------------|
| << 60-Nd-146 | 65-Tb-159 | 67-Ho-165 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Eu156 production) | MT190 (n,2n+2p) >> |



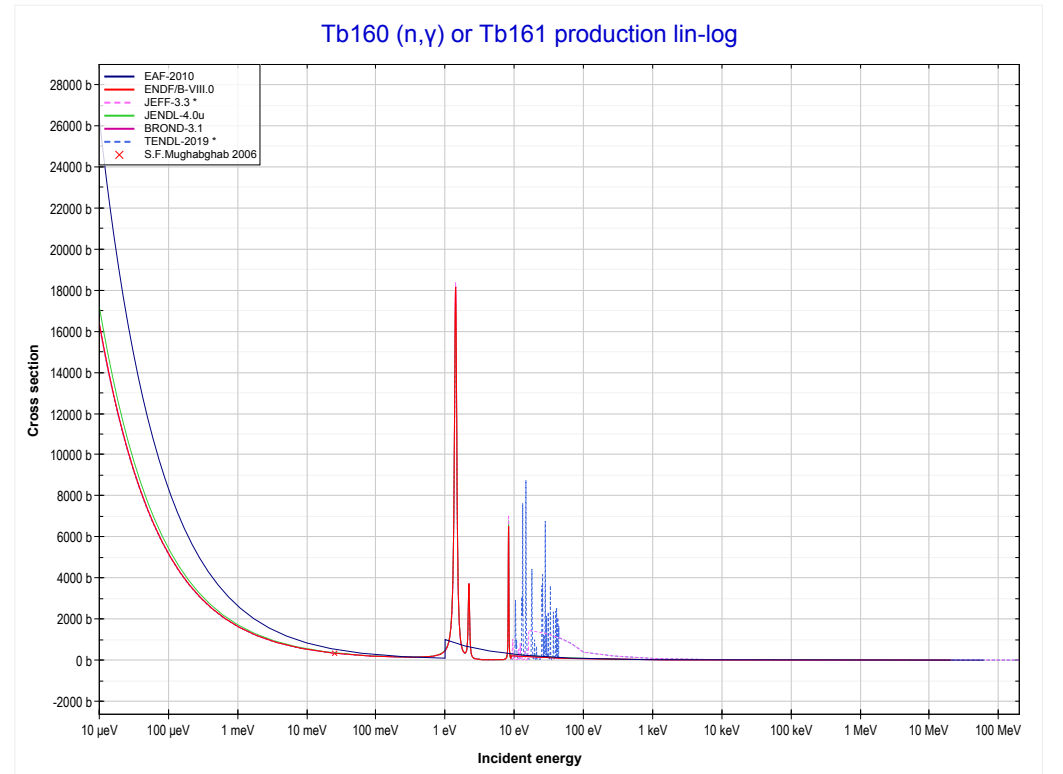
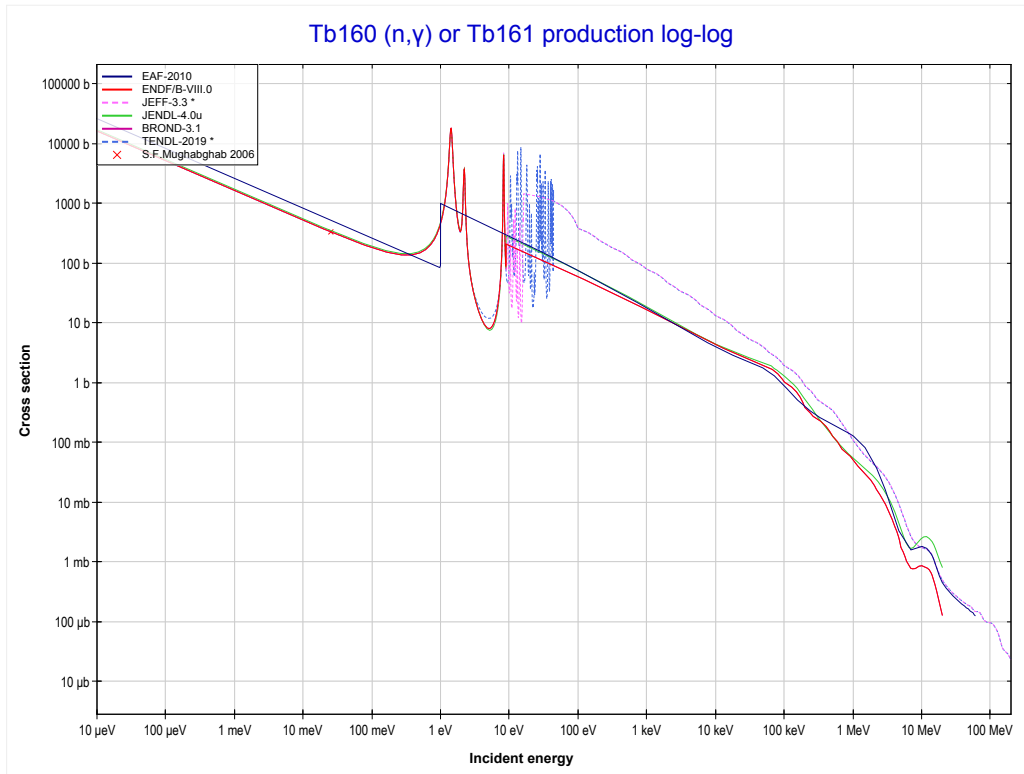
| Reaction | Q-Value |
|---------------------|---------------|
| Tb159(n,α)Eu156 | 6197.00 keV |
| Tb159(n,p+t)Eu156 | -13616.86 keV |
| Tb159(n,n+He3)Eu156 | -14380.62 keV |
| Tb159(n,2d)Eu156 | -17649.53 keV |
| Tb159(n,n+p+d)Eu156 | -19874.09 keV |
| Tb159(n,2n+2p)Eu156 | -22098.66 keV |

| | | |
|--------------------|--|-----------------------------------|
| << 60-Nd-146 | 65-Tb-159 | 67-Ho-165 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Eu156 production) | 65-Tb-160 MT102 (n, γ) >> |



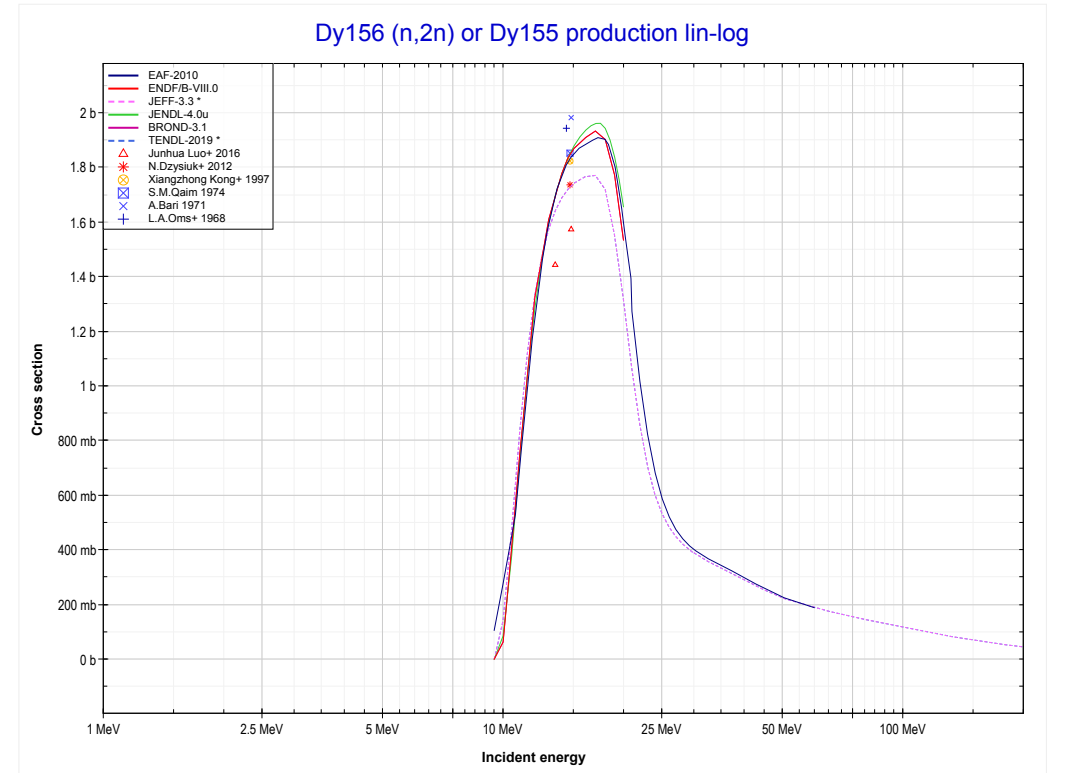
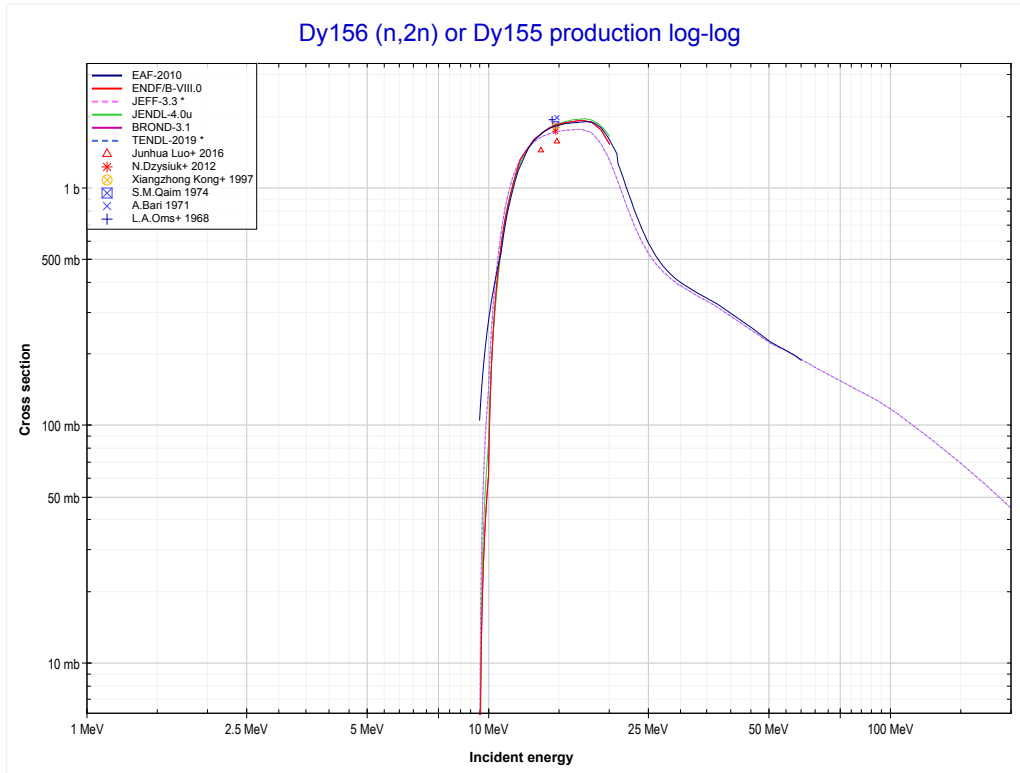
| Reaction | Q-Value |
|--------------------------|---------------|
| Tb159(n, α)Eu156 | 6197.00 keV |
| Tb159(n,p+t)Eu156 | -13616.86 keV |
| Tb159(n,n+He3)Eu156 | -14380.62 keV |
| Tb159(n,2d)Eu156 | -17649.53 keV |
| Tb159(n,n+p+d)Eu156 | -19874.09 keV |
| Tb159(n,2n+2p)Eu156 | -22098.66 keV |

| | | |
|------------------------------|--|--------------------------|
| << 65-Tb-159 | 65-Tb-160 | 66-Dy-156 >> |
| << 65-Tb-159 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (Tb161 production) | 66-Dy-156 MT16 (n,2n) >> |



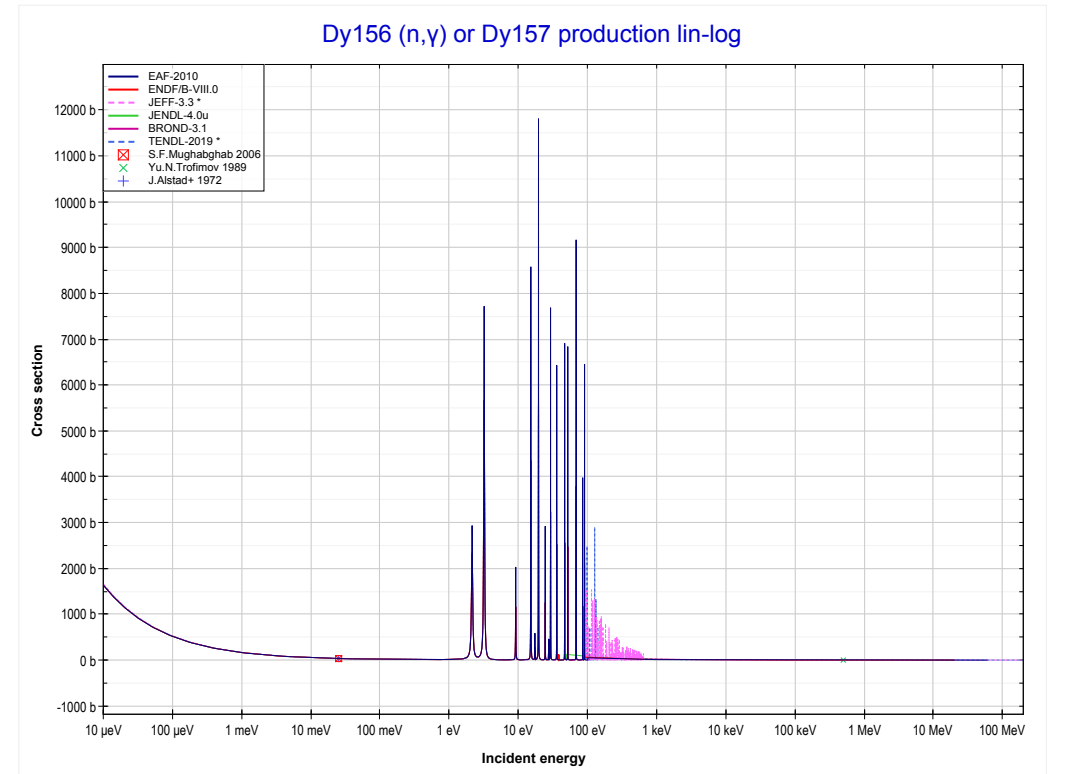
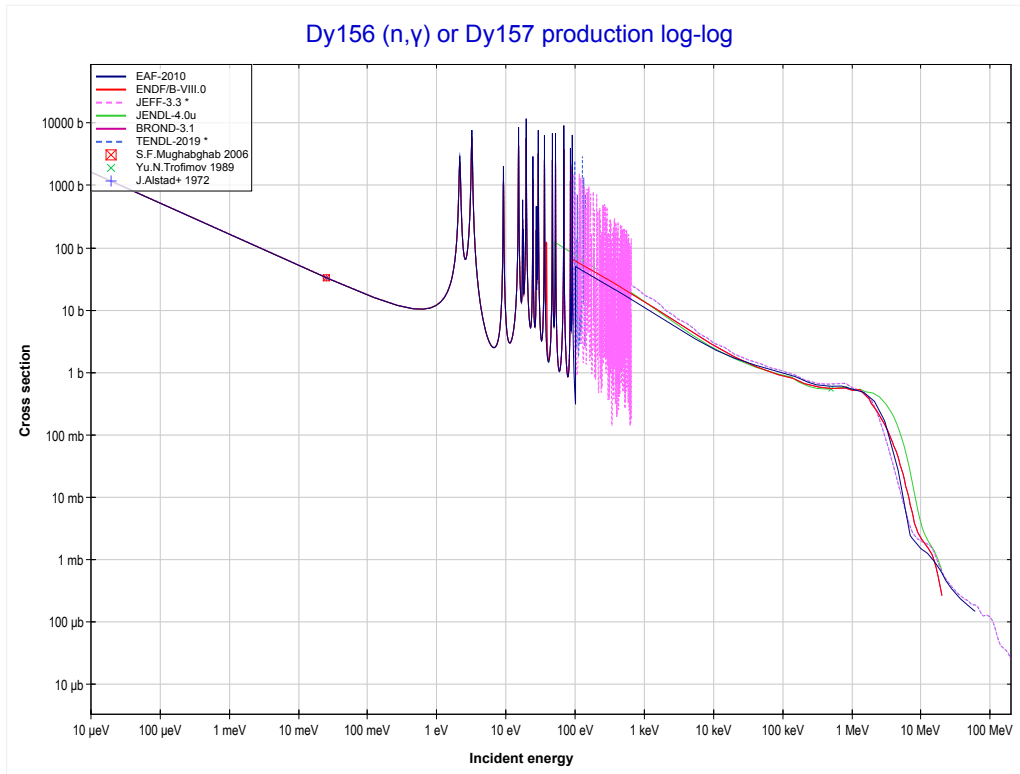
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 525.12 b | 524.745 b | 524.6 b | 0.99977 | 1856.78 b | 0.123796 b | 0.00132 b |
| ENDF/B-VIII.0 | 333.925 b | 333.925 b | 338.84 b | 1.01472 | 3478.2 b | 0.0942455 b | 6.24652E-4 b |
| JEFF-3.3 | 335.199 b | 335.199 b | 340.09 b | 1.01458 | 5725.57 b | 0.215085 b | 0.00131398 b |
| JENDL-4.0u | 350.688 b | 350.688 b | 355.9 b | 1.01486 | 3589.86 b | 0.106708 b | 0.00223179 b |
| BROND-3.1 | 333.925 b | 333.925 b | 338.84 b | 1.01472 | 3478.2 b | 0.0942455 b | 6.24652E-4 b |
| TENDL-2019 | 332.62 b | 332.62 b | 337.62 b | 1.01505 | 5260.17 b | 0.212075 b | 0.00131148 b |

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|-----------------------------------|--|-------------------------|
| << 65-Tb-159 | 66-Dy-156 | 66-Dy-158 >> |
| << 65-Tb-160 MT102 (n, γ) | MT16 (n,2n) or MT5 (Dy155 production) | MT102 (n, γ) >> |



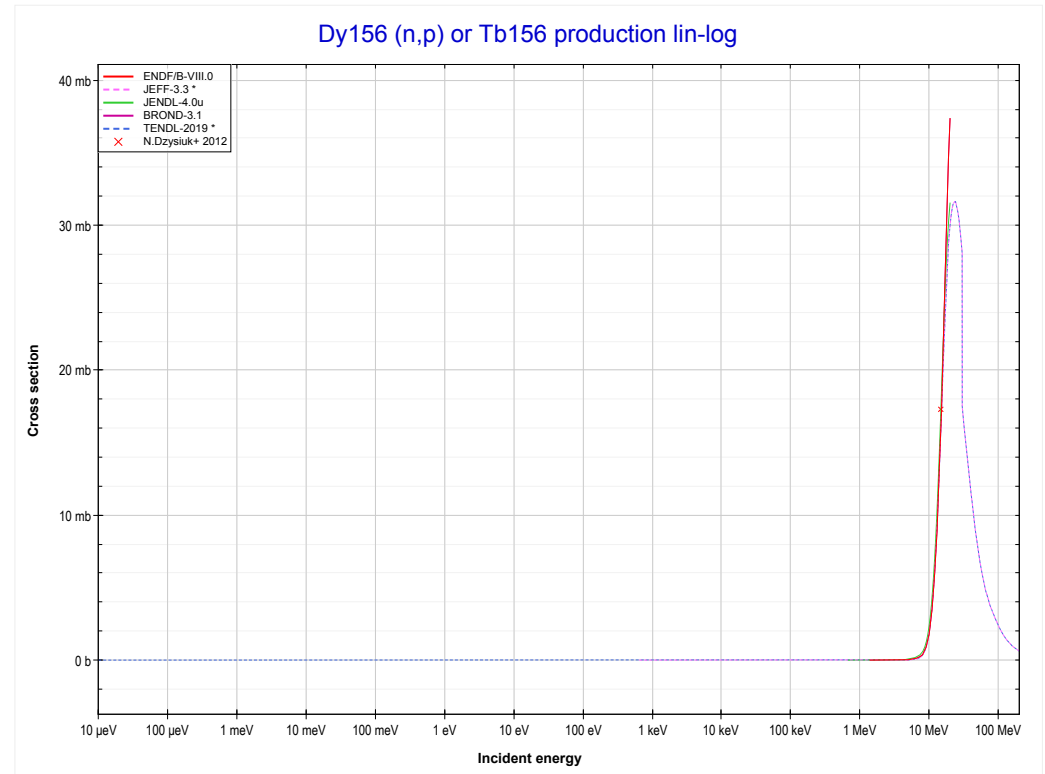
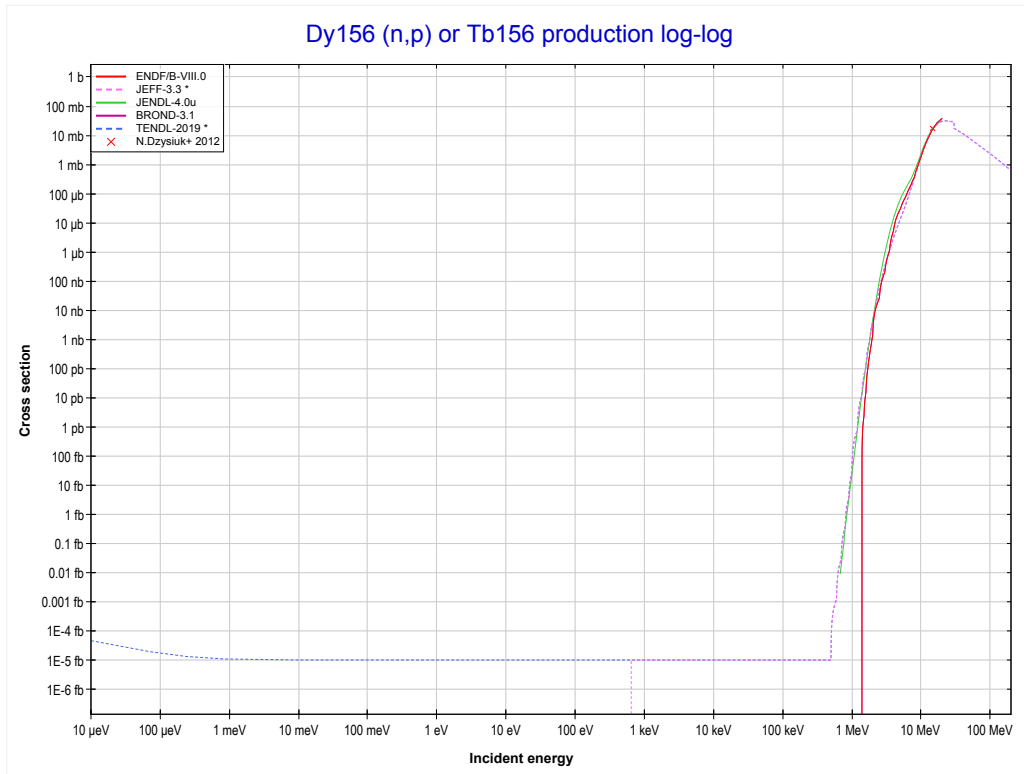
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00173411 b | 1.76381 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0016668 b | 1.77464 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178277 b | 1.68653 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00165443 b | 1.77281 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0016668 b | 1.77464 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00178682 b | 1.68712 b |

| | | |
|----------------|--|----------------|
| << 65-Tb-160 | 66-Dy-156 | 66-Dy-158 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Dy157 production) | MT103 (n,p) >> |



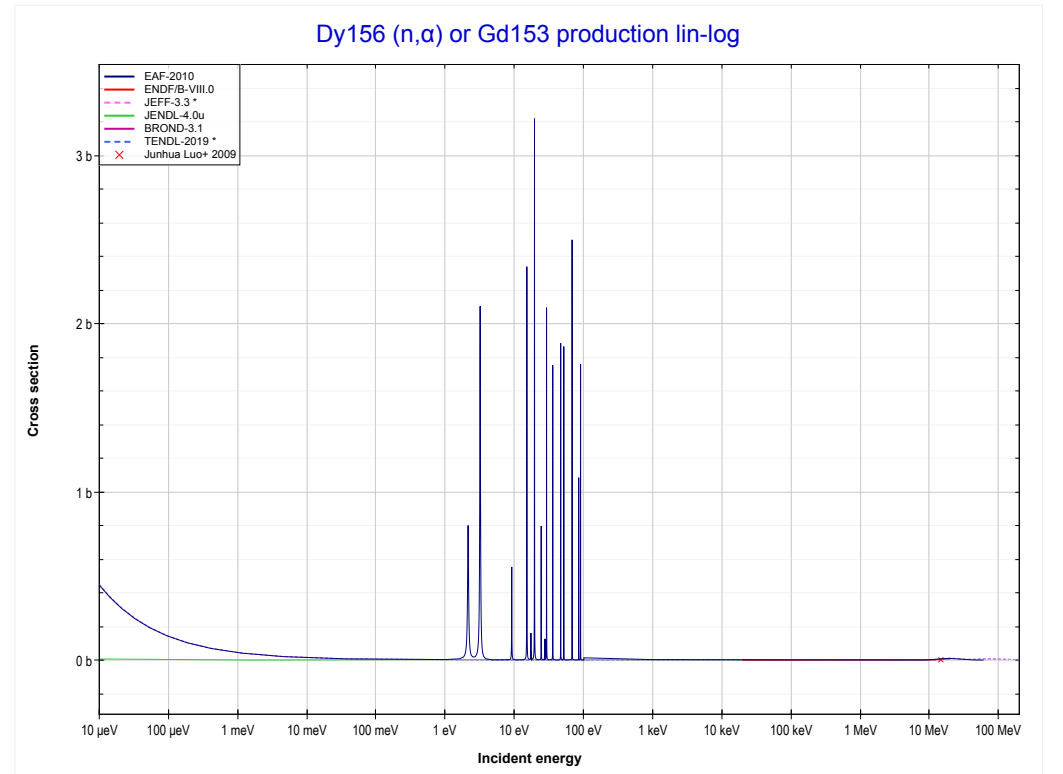
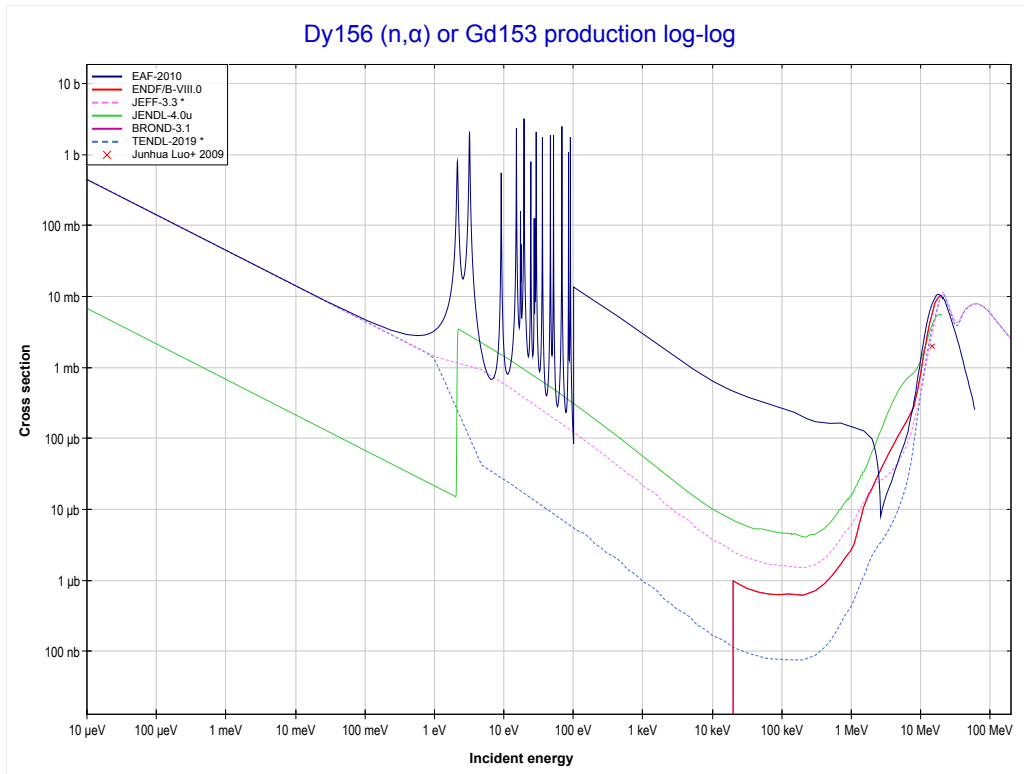
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 33.021 b | 32.9971 b | 33.268 b | 1.00823 | 954.184 b | 0.399646 b | 0.00108 b |
| ENDF/B-VIII.0 | 33.0645 b | 33.0645 b | 33.349 b | 1.00859 | 982.807 b | 0.376284 b | 0.00127224 b |
| JEFF-3.3 | 33.4313 b | 33.4313 b | 33.713 b | 1.00843 | 1030.19 b | 0.406529 b | 0.00159965 b |
| JENDL-4.0u | 33.0339 b | 33.0339 b | 33.316 b | 1.00855 | 987.565 b | 0.448714 b | 0.00166395 b |
| BROND-3.1 | 33.0645 b | 33.0645 b | 33.349 b | 1.00859 | 982.807 b | 0.376284 b | 0.00127224 b |
| TENDL-2019 | 33.4405 b | 33.4405 b | 33.711 b | 1.00809 | 1047.06 b | 0.401284 b | 0.0015962 b |

| | | |
|-------------------------|--|-------------------------|
| << 65-Tb-159 | 66-Dy-156 | 66-Dy-158 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb156 production) | MT107 (n, α) >> |



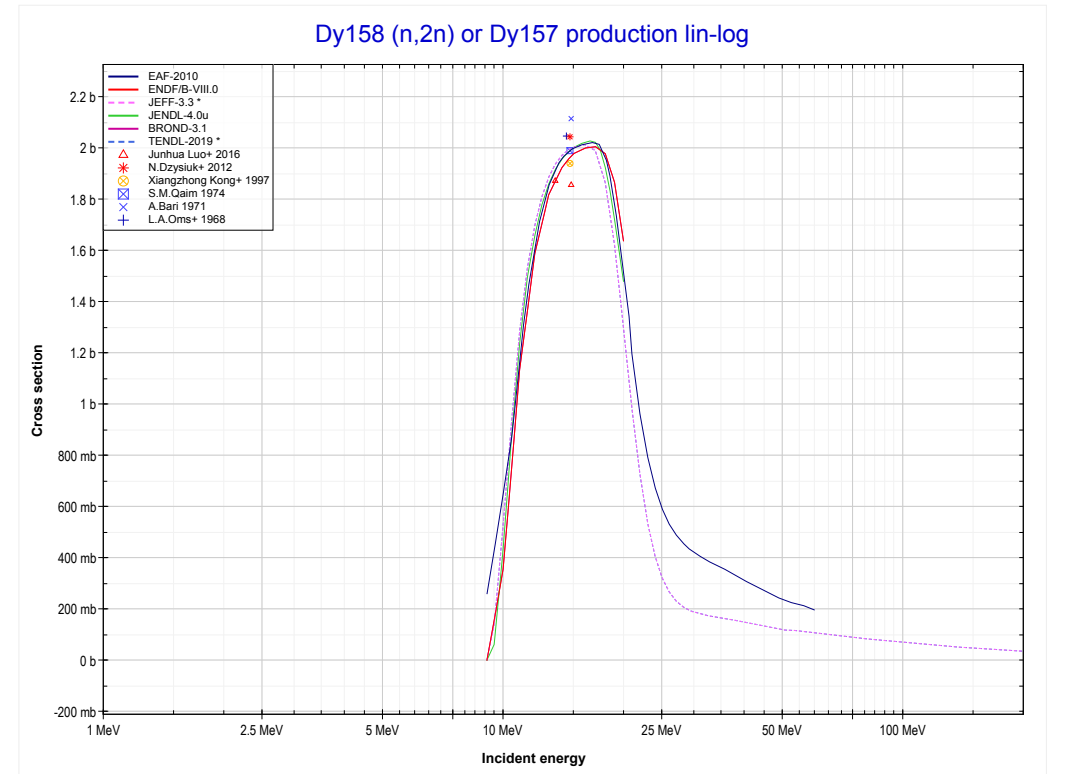
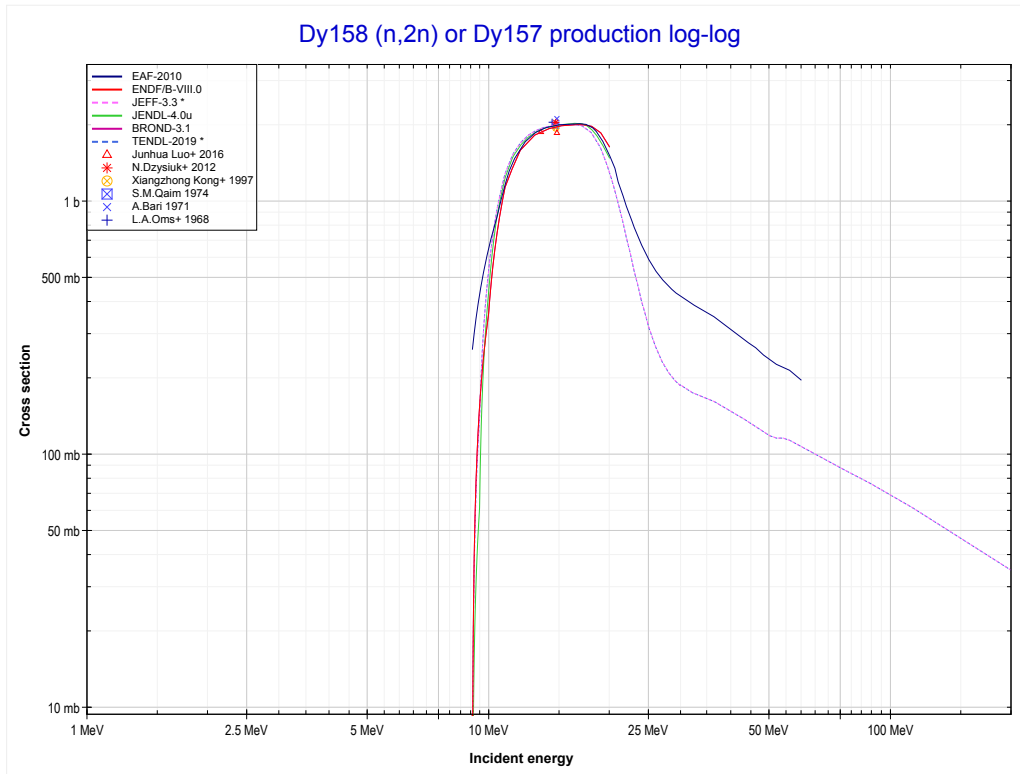
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13776E-5 b | 0.0132891 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.04072E-20 b | 1.88226E-5 b | 0.0130368 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.954E-5 b | 0.0142793 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13776E-5 b | 0.0132891 b |
| TENDL-2019 | 1.0032E-20 b | 1.0032E-20 b | 1.1321E-20 b | 1.12848 | 1.22063E-19 b | 1.88219E-5 b | 0.0130349 b |

| | | |
|----------------|--|--------------------------|
| << 65-Tb-159 | 66-Dy-156 | 66-Dy-161 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Gd153 production) | 66-Dy-158 MT16 (n,2n) >> |



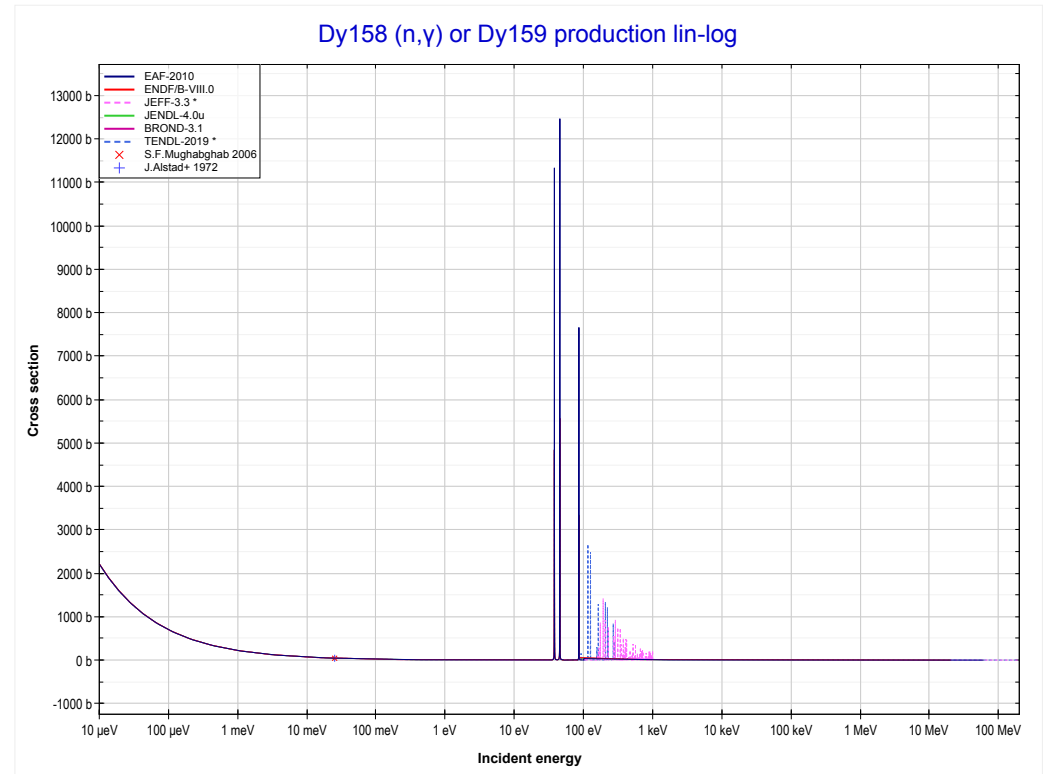
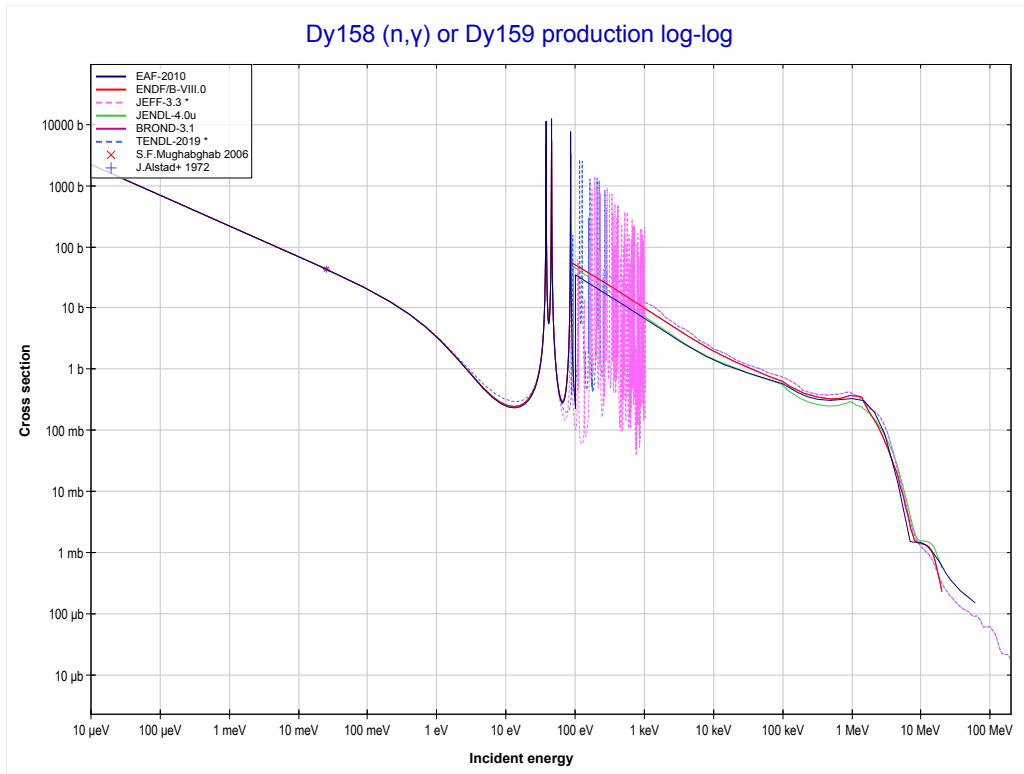
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.009 b | 0.00899348 b | 0.0090673 b | 1.00823 | 0.260067 b | 1.19855E-4 b | 0.0069467 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.17744E-6 b | 3.57692E-5 b | 0.00486722 b |
| JEFF-3.3 | 0.00892939 b | 0.00892939 b | 0.0089279 b | 0.99983 | 0.00441938 b | 2.19462E-5 b | 0.00237997 b |
| JENDL-4.0u | 1.35598E-4 b | 1.35598E-4 b | 1.3565E-4 b | 1.00041 | 0.00583344 b | 1.23048E-4 b | 0.00356594 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.17744E-6 b | 3.57691E-5 b | 0.00486722 b |
| TENDL-2019 | 0.00895811 b | 0.00895811 b | 0.008954 b | 0.99954 | 0.00182492 b | 6.51901E-6 b | 0.00288476 b |

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|-----------------------------------|--|-------------------------|
| << 66-Dy-156 | 66-Dy-158 | 66-Dy-160 >> |
| << 66-Dy-156 MT107 (n, α) | MT16 (n,2n) or MT5 (Dy157 production) | MT102 (n, γ) >> |



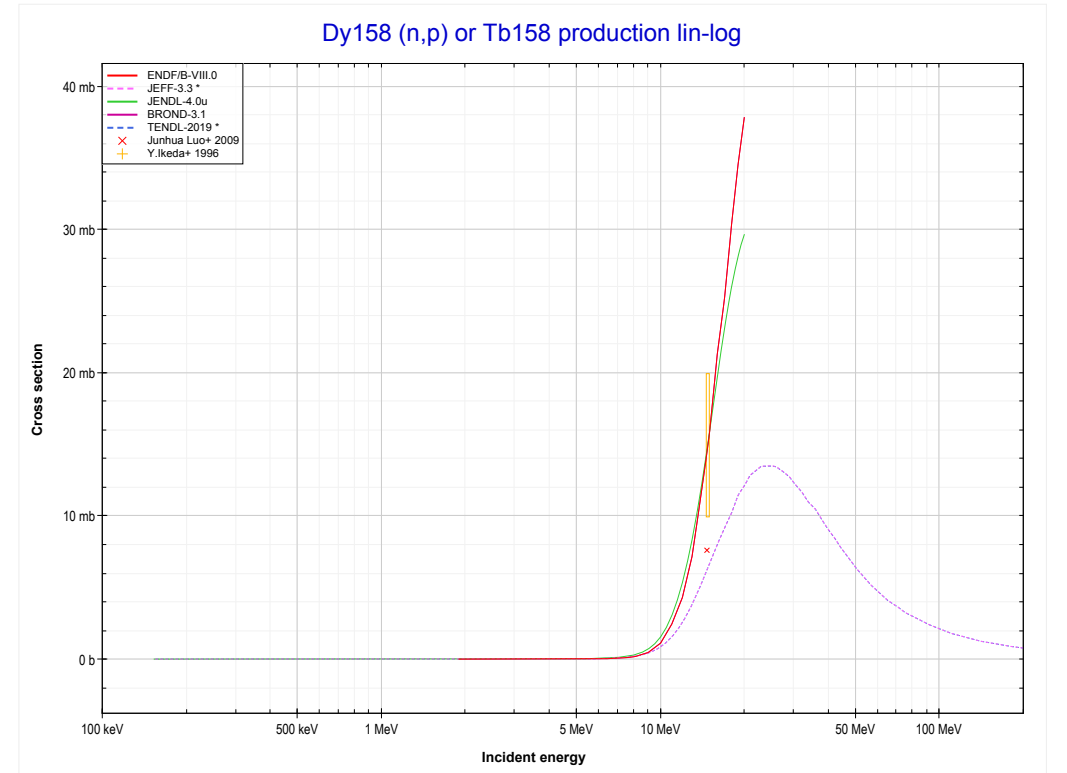
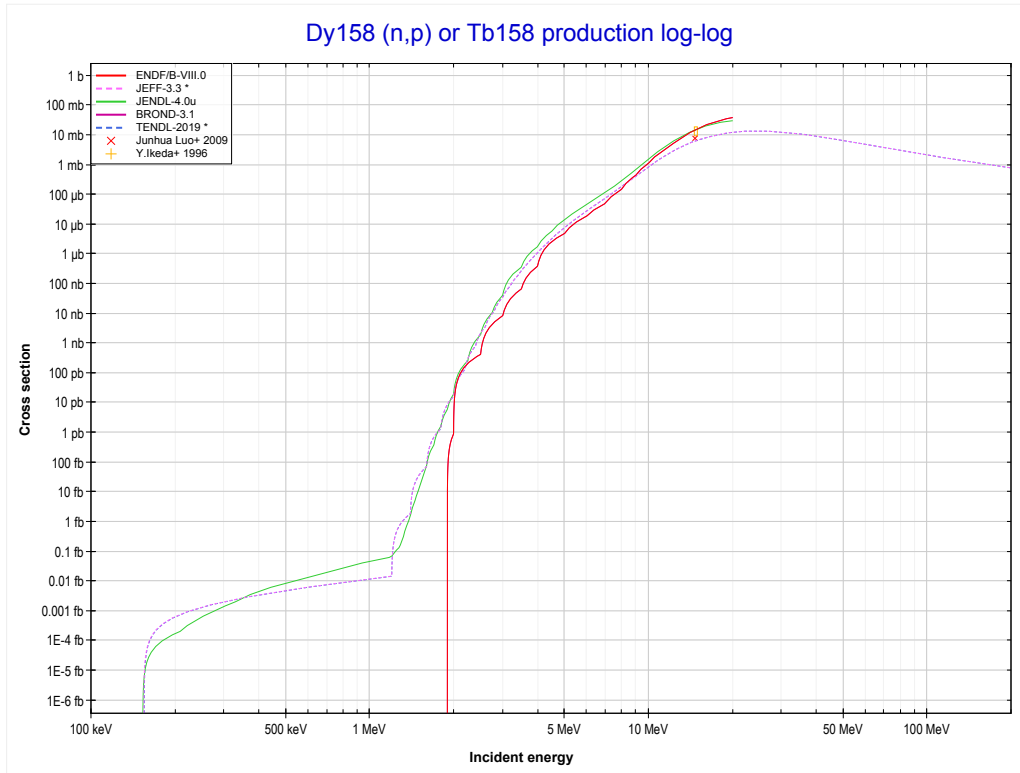
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00281717 b | 1.95668 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00250706 b | 1.92132 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00284065 b | 1.97017 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00264375 b | 1.95507 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00250706 b | 1.92132 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00284511 b | 1.97048 b |

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| << 66-Dy-156 | 66-Dy-158 | 66-Dy-160 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Dy159 production) | MT103 (n,p) >> |



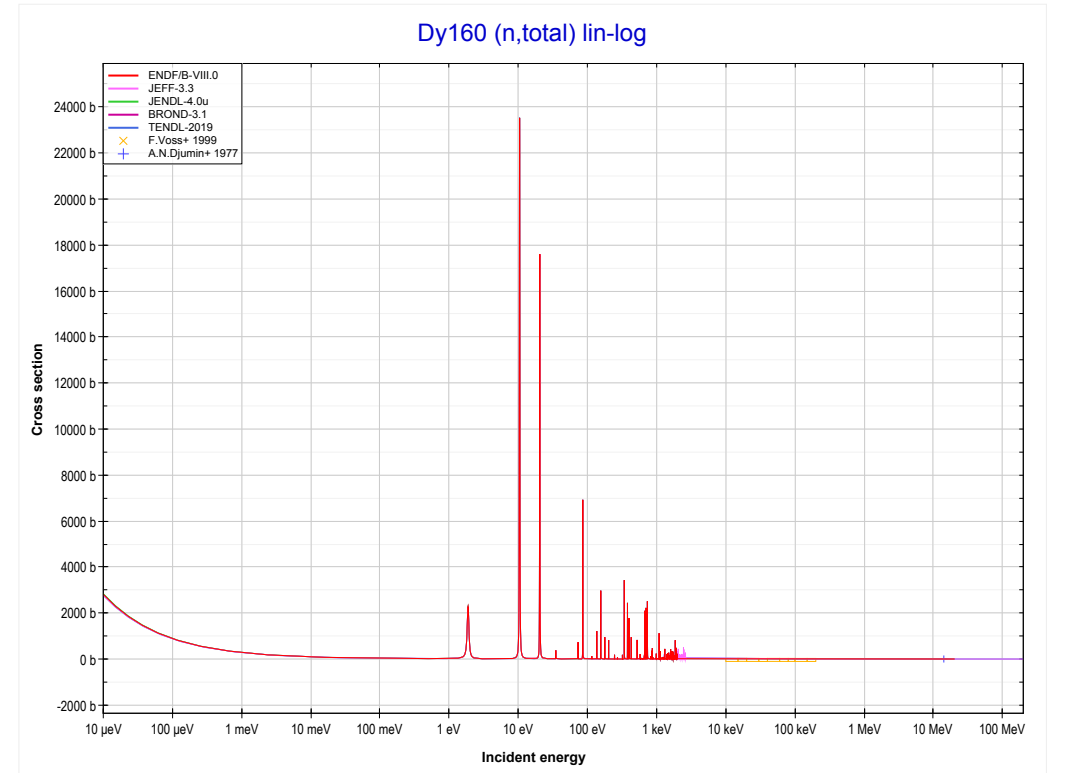
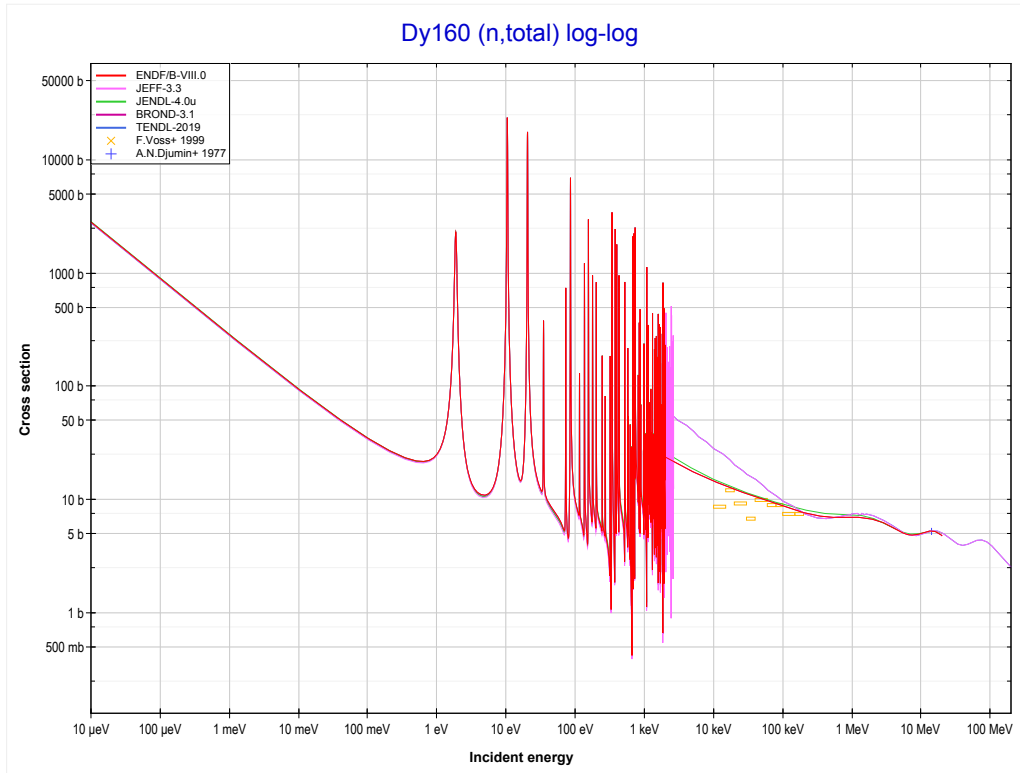
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 42.946 b | 42.9122 b | 42.433 b | 0.9888 | 180.269 b | 0.225858 b | 0.00109 b |
| ENDF/B-VIII.0 | 43.0776 b | 43.0776 b | 42.622 b | 0.98943 | 209.409 b | 0.229695 b | 0.00109638 b |
| JEFF-3.3 | 42.8474 b | 42.8474 b | 42.391 b | 0.98934 | 178.389 b | 0.269392 b | 8.23246E-4 b |
| JENDL-4.0u | 42.9444 b | 42.9444 b | 42.489 b | 0.98939 | 193.903 b | 0.188593 b | 0.00139567 b |
| BROND-3.1 | 43.0776 b | 43.0776 b | 42.622 b | 0.98943 | 209.409 b | 0.229695 b | 0.00109638 b |
| TENDL-2019 | 42.8164 b | 42.8164 b | 42.362 b | 0.98938 | 218.322 b | 0.265648 b | 8.20627E-4 b |

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| << 66-Dy-156 | 66-Dy-158 | 66-Dy-160 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb158 production) | 66-Dy-160 MT1 (n,total) >> |



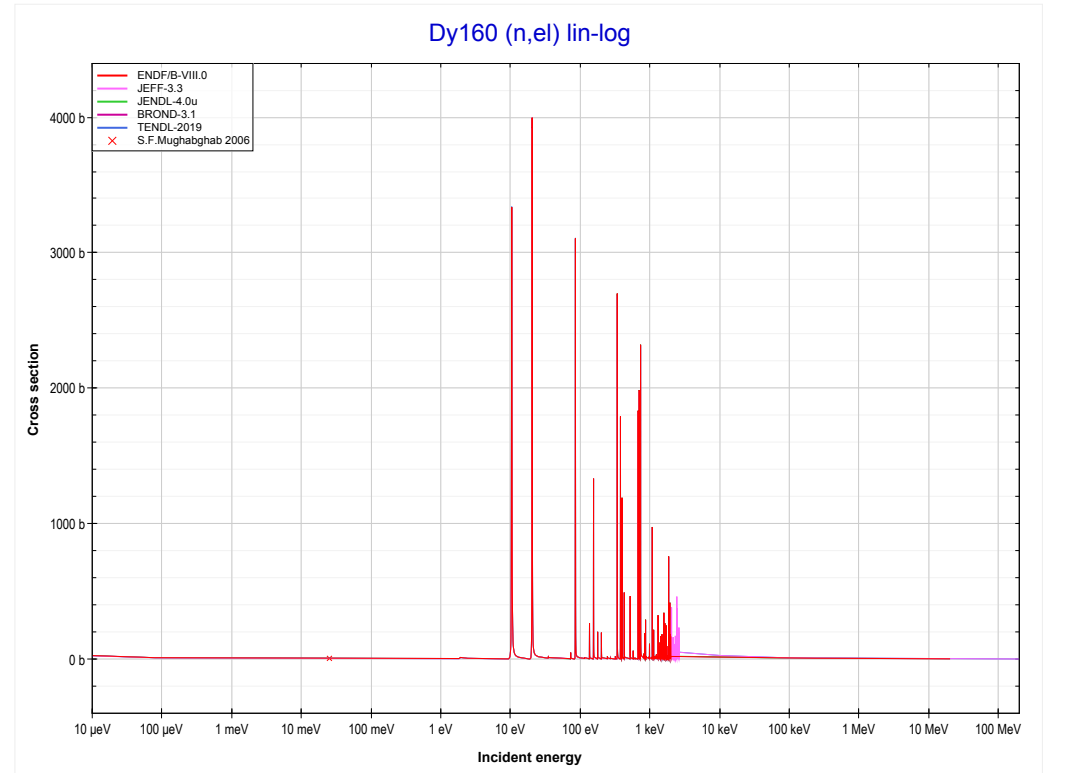
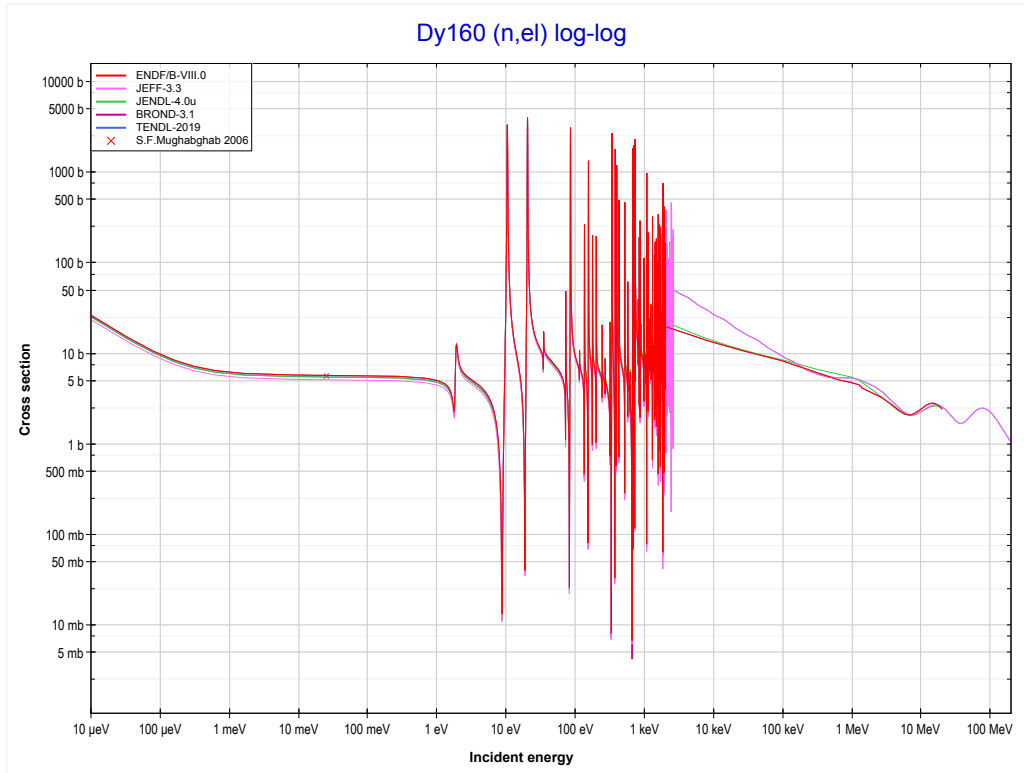
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19914E-5 b | 0.0115158 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.65475E-6 b | 0.00521182 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.6275E-5 b | 0.0119065 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19914E-5 b | 0.0115158 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.65143E-6 b | 0.00521012 b |

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|--------------------------|----------------------|--------------------|
| << 65-Tb-159 | 66-Dy-160 | 66-Dy-161 >> |
| << 66-Dy-158 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



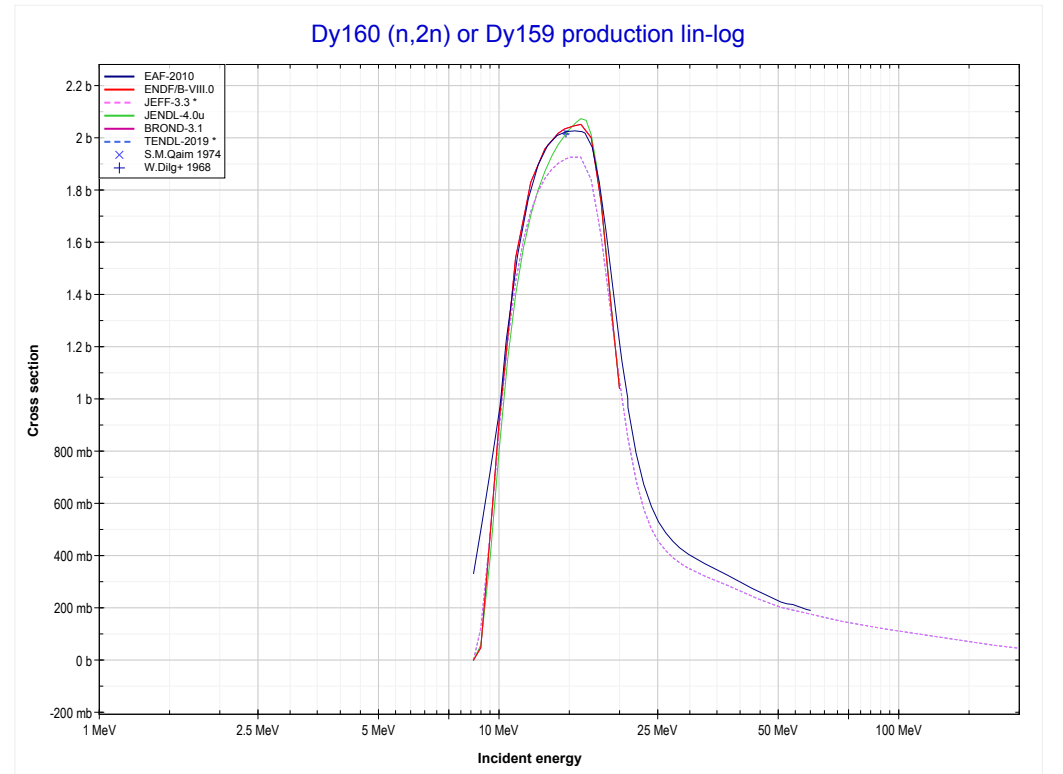
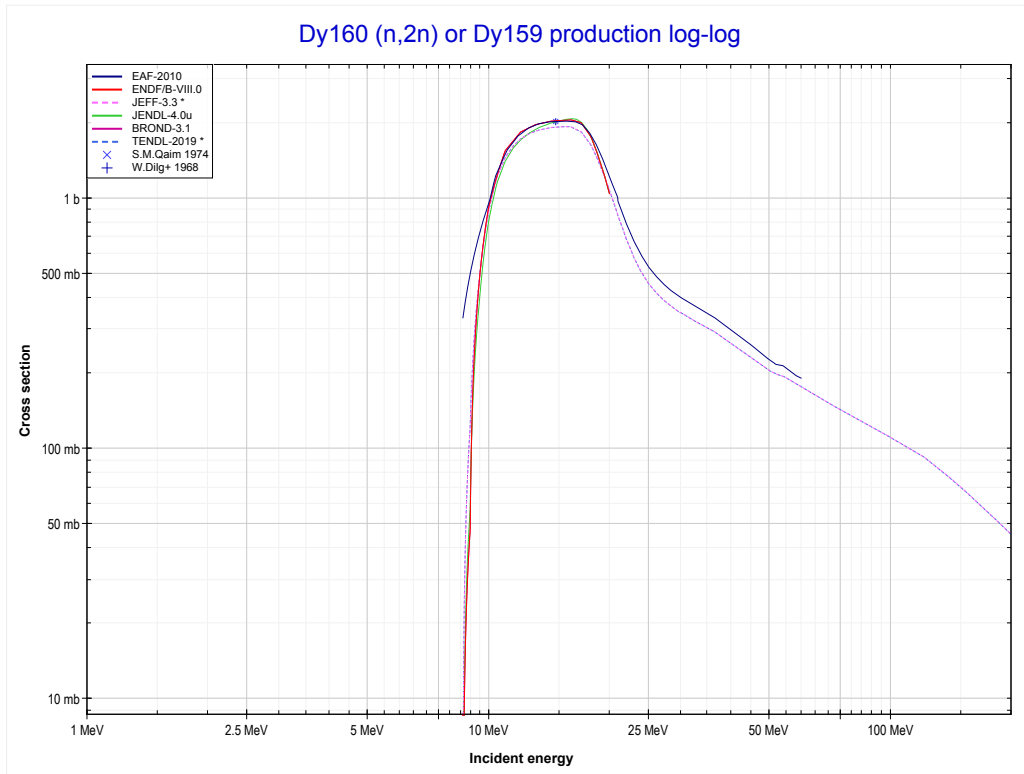
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 61.7167 b | 61.7167 b | 62.786 b | 1.01732 | 1452.48 b | 6.62761 b | 5.27159 b |
| JEFF-3.3 | 60.5415 b | 60.5415 b | 61.535 b | 1.01641 | 1491.82 b | 6.95988 b | 5.25012 b |
| JENDL-4.0u | 62.1446 b | 62.1446 b | 63.18 b | 1.01666 | 1454.75 b | 6.8468 b | 5.2353 b |
| BROND-3.1 | 61.7167 b | 61.7167 b | 62.786 b | 1.01732 | 1452.4 b | 6.62756 b | 5.27159 b |
| TENDL-2019 | 60.5943 b | 60.5943 b | 61.62 b | 1.01693 | 1503.97 b | 6.9619 b | 5.25013 b |

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| << 65-Tb-159 | 66-Dy-160 | 66-Dy-161 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



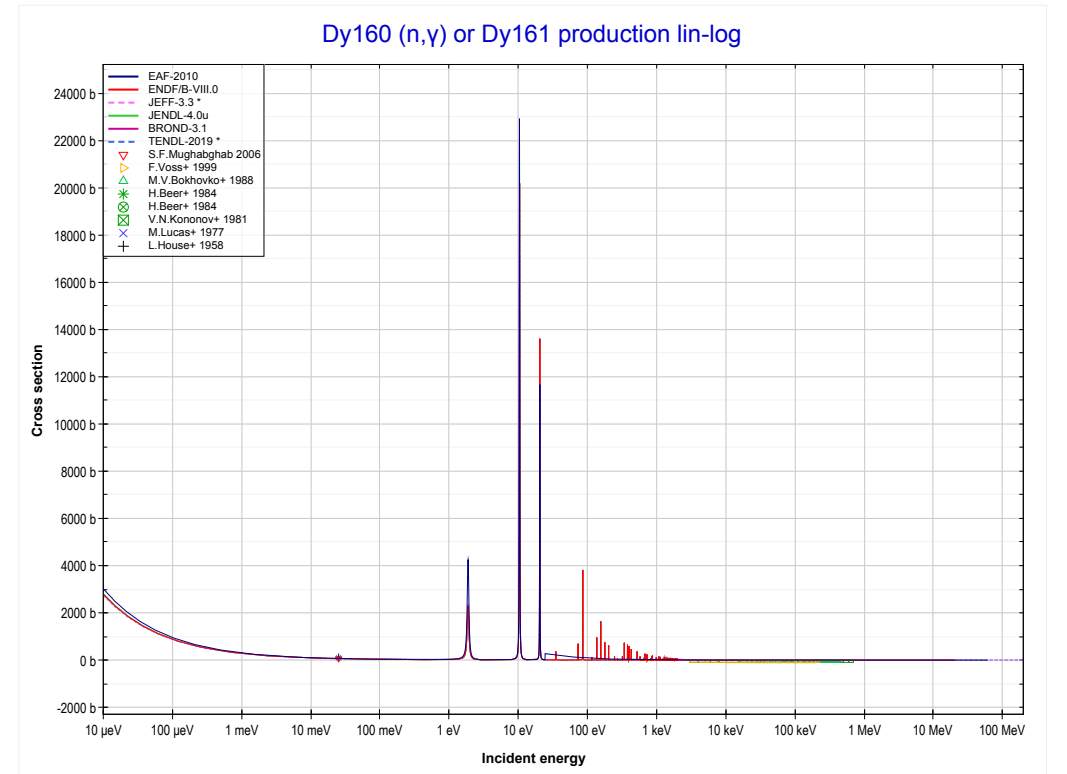
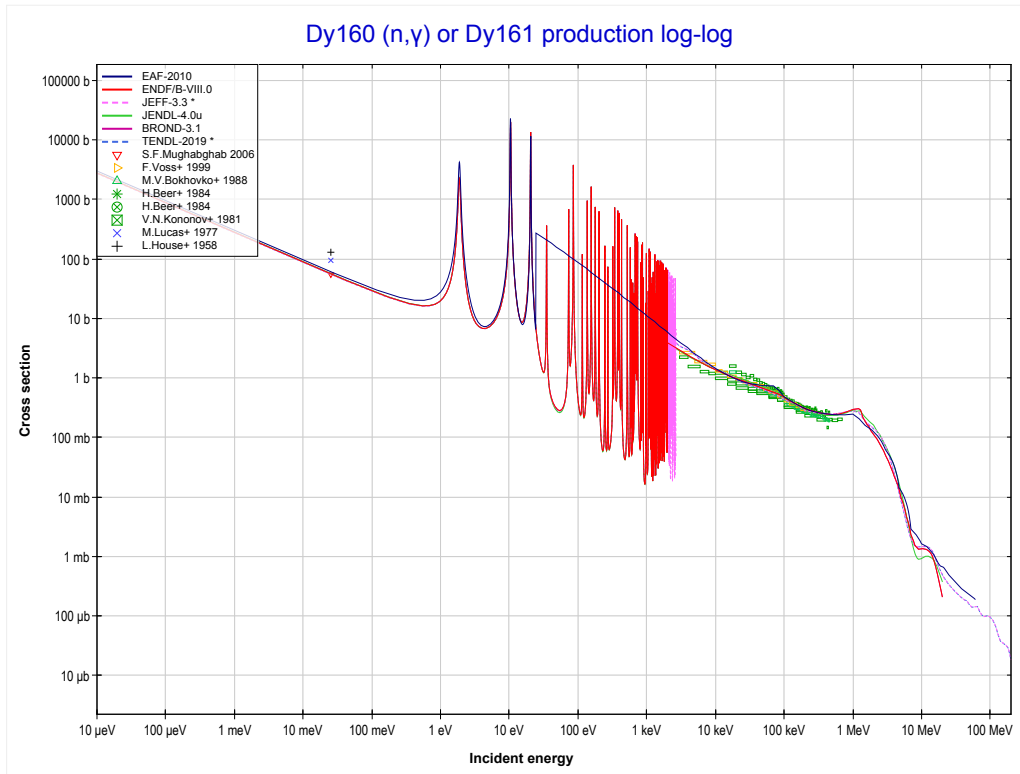
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.71959 b | 5.71959 b | 6.4392 b | 1.12582 | 345.594 b | 4.15924 b | 2.81746 b |
| JEFF-3.3 | 5.11625 b | 5.11625 b | 5.7593 b | 1.12568 | 383.615 b | 4.65168 b | 2.64549 b |
| JENDL-4.0u | 5.49012 b | 5.49012 b | 6.1797 b | 1.1256 | 346.714 b | 4.53233 b | 2.58201 b |
| BROND-3.1 | 5.71959 b | 5.71959 b | 6.4392 b | 1.12582 | 345.523 b | 4.15919 b | 2.81746 b |
| TENDL-2019 | 5.50056 b | 5.50056 b | 6.1927 b | 1.12583 | 396.121 b | 4.65421 b | 2.64549 b |

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| << 66-Dy-158 | 66-Dy-160 | 67-Ho-165 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Dy159 production) | MT102 (n, γ) >> |



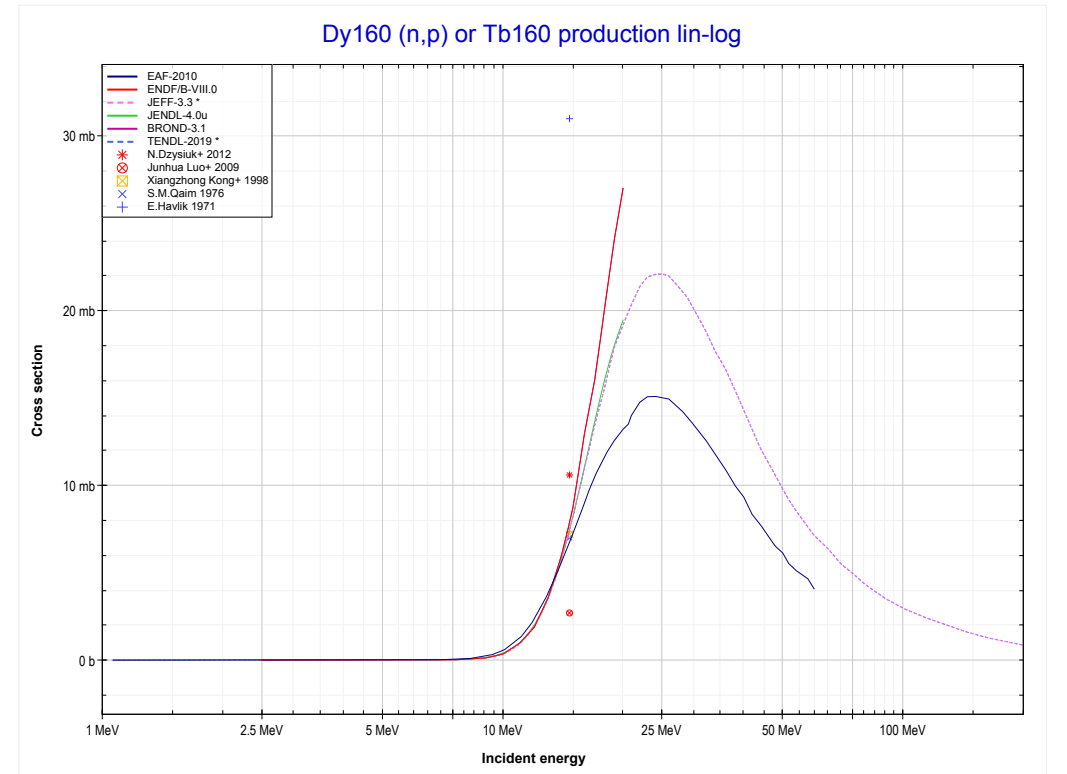
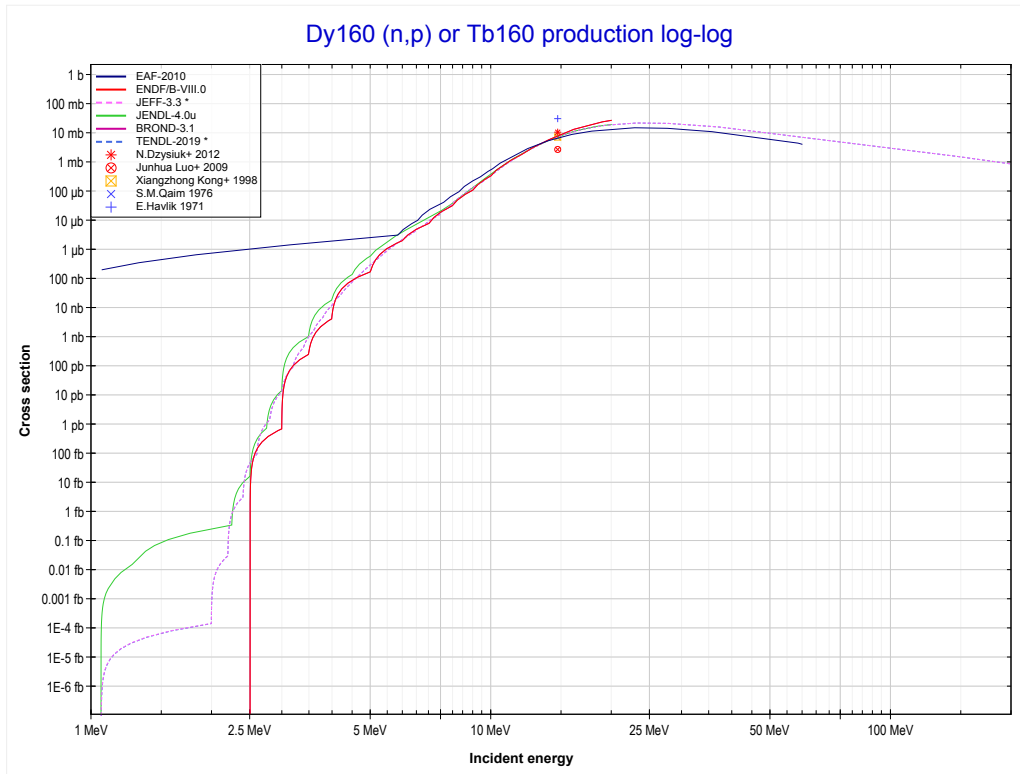
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00419841 b | 2.00923 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00384346 b | 2.01544 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00378642 b | 1.90039 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00352855 b | 1.97059 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00384346 b | 2.01544 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00379137 b | 1.90056 b |

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|----------------|--|----------------|
| << 66-Dy-158 | 66-Dy-160 | 66-Dy-161 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Dy161 production) | MT103 (n,p) >> |



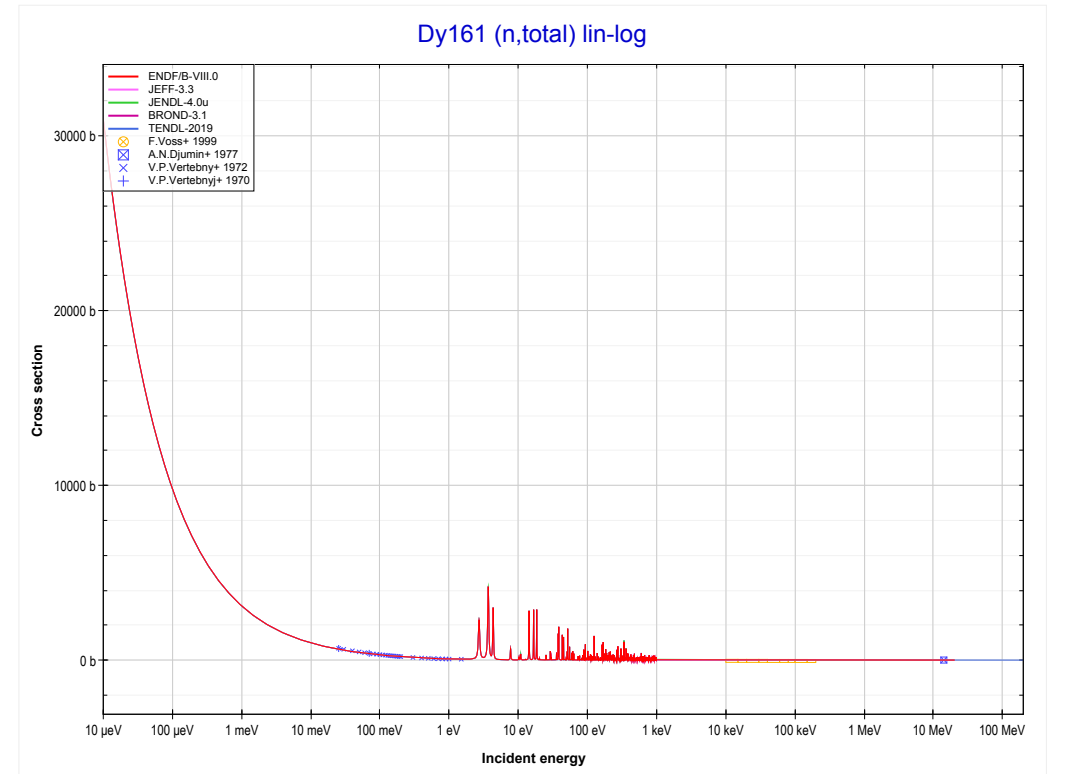
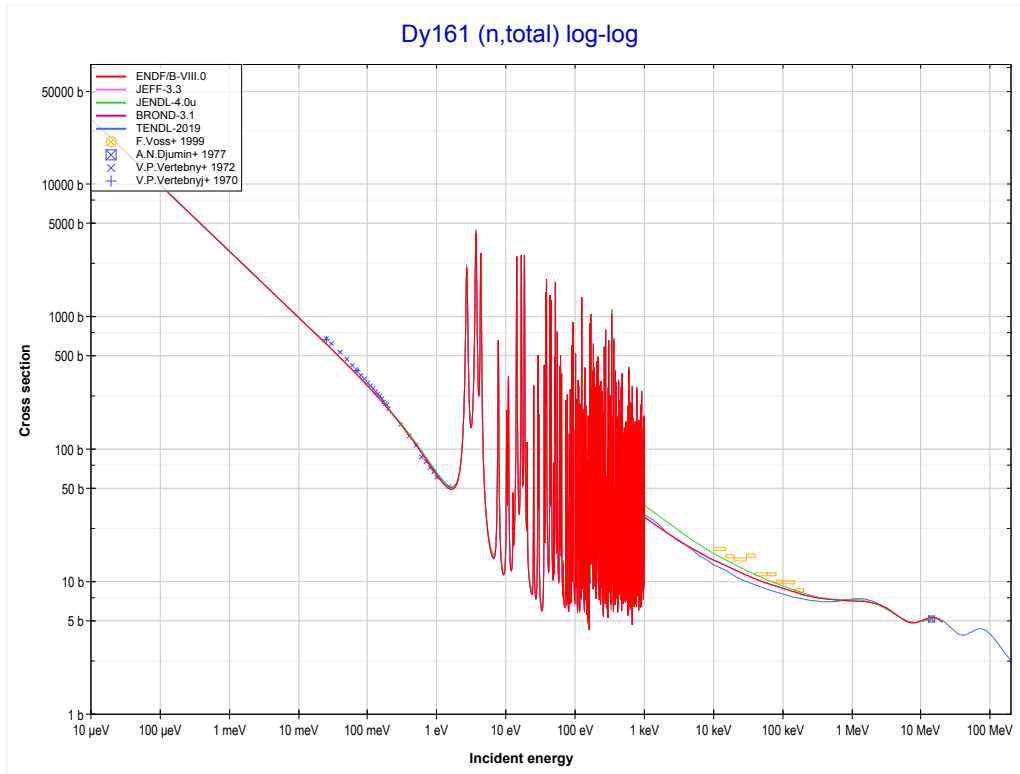
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 61.0887 b | 61.0445 b | 61.556 b | 1.0084 | 1589.34 b | 0.163764 b | 0.00119 b |
| ENDF/B-VIII.0 | 55.9971 b | 55.9971 b | 56.346 b | 1.00624 | 1106.87 b | 0.172782 b | 0.00107876 b |
| JEFF-3.3 | 55.425 b | 55.425 b | 55.776 b | 1.00633 | 1108.19 b | 0.17743 b | 0.00127393 b |
| JENDL-4.0u | 56.6545 b | 56.6545 b | 57 b | 1.0061 | 1108.02 b | 0.182115 b | 9.45612E-4 b |
| BROND-3.1 | 55.9971 b | 55.9971 b | 56.346 b | 1.00624 | 1106.87 b | 0.172782 b | 0.00107876 b |
| TENDL-2019 | 55.0934 b | 55.0934 b | 55.427 b | 1.00606 | 1107.86 b | 0.174888 b | 0.00127213 b |

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|-------------------------|--|----------------------------|
| << 66-Dy-158 | 66-Dy-160 | 66-Dy-161 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb160 production) | 66-Dy-161 MT1 (n,total) >> |



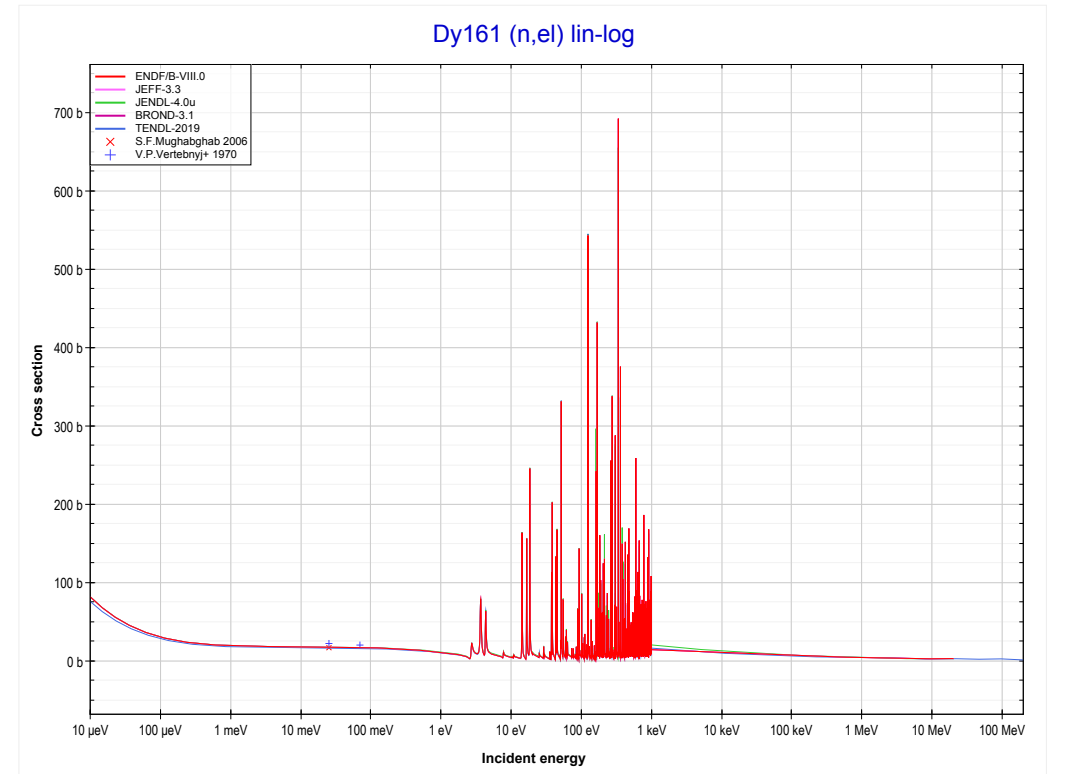
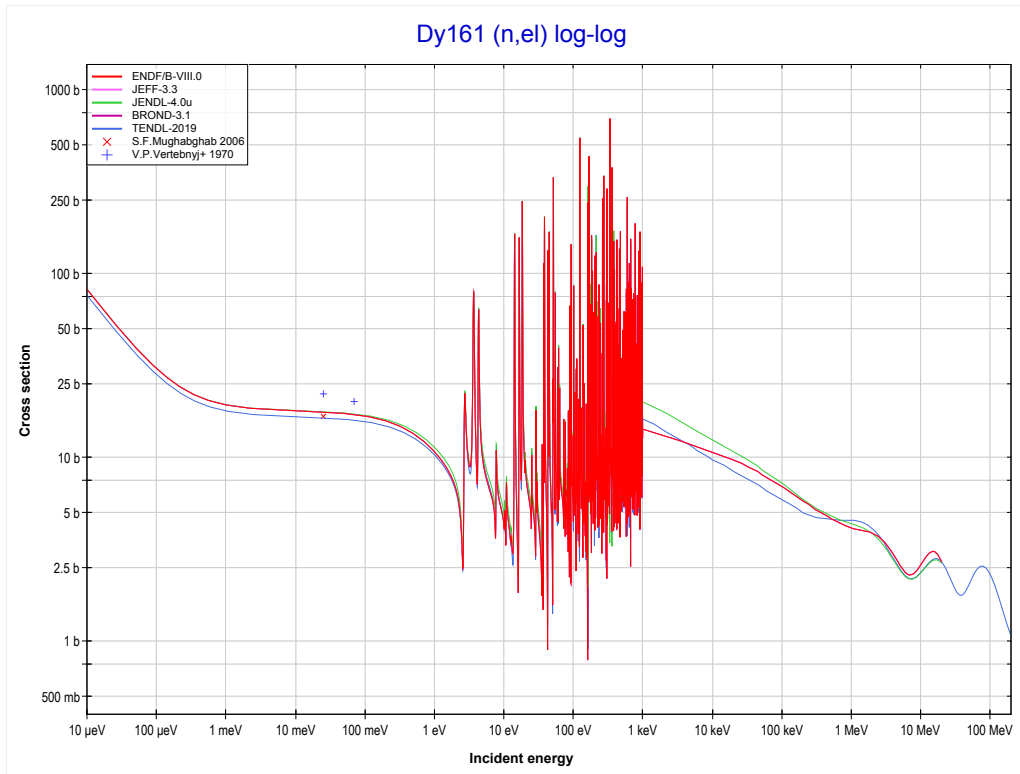
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.08367E-6 b | 0.00553528 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.58374E-6 b | 0.00590708 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.41069E-6 b | 0.00566849 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.62152E-6 b | 0.00568551 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.58374E-6 b | 0.00590708 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.40832E-6 b | 0.00566661 b |

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|--------------------------|----------------------|--------------------|
| << 66-Dy-160 | 66-Dy-161 | 66-Dy-162 >> |
| << 66-Dy-160 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



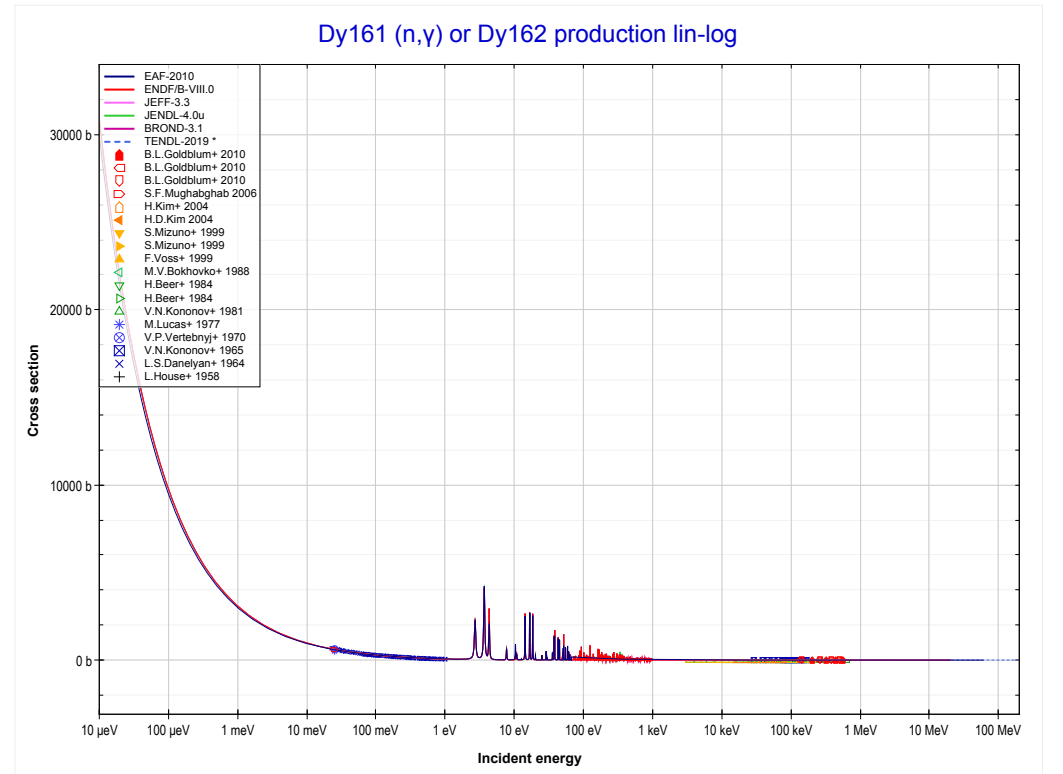
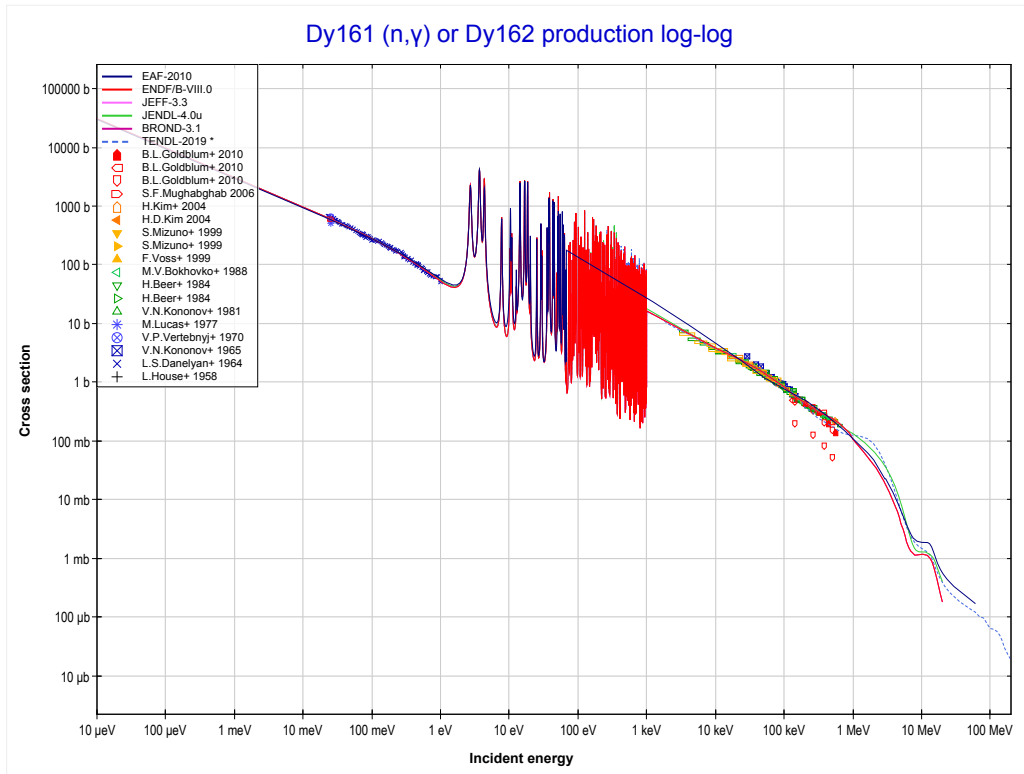
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 617.743 b | 617.743 b | 613.42 b | 0.993 | 1236.05 b | 6.83532 b | 5.36328 b |
| JEFF-3.3 | 617.743 b | 617.743 b | 613.42 b | 0.993 | 1236.05 b | 6.83532 b | 5.36328 b |
| JENDL-4.0u | 617.68 b | 617.68 b | 613.98 b | 0.99401 | 1267.99 b | 6.88016 b | 5.20251 b |
| BROND-3.1 | 617.743 b | 617.743 b | 613.42 b | 0.993 | 1236.05 b | 6.83532 b | 5.36328 b |
| TENDL-2019 | 616.27 b | 616.27 b | 612.19 b | 0.99337 | 1238.18 b | 6.85694 b | 5.22852 b |

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| << 66-Dy-160 | 66-Dy-161 | 66-Dy-162 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



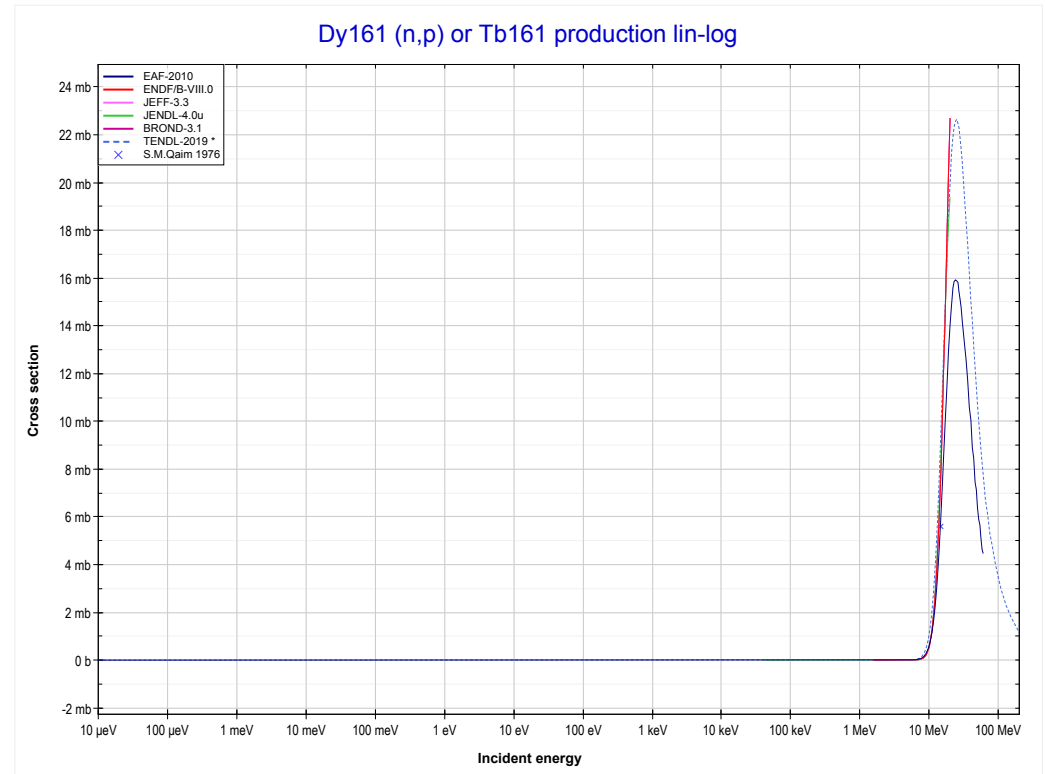
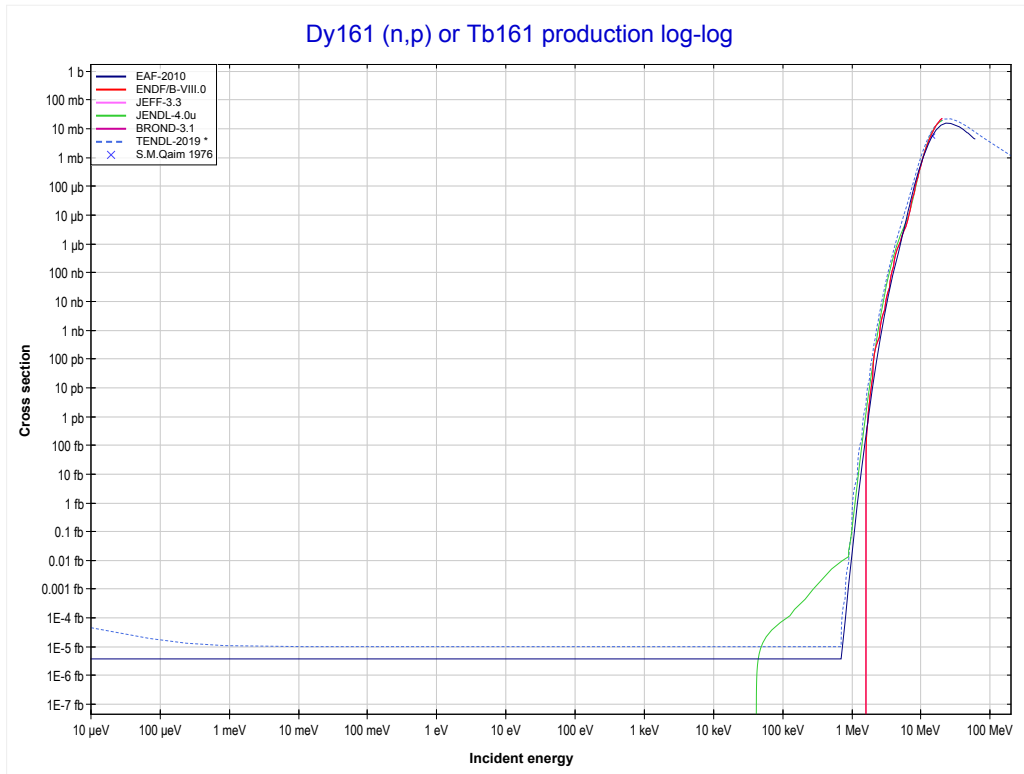
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 17.5338 b | 17.5338 b | 19.477 b | 1.11082 | 160.065 b | 3.97025 b | 3.03941 b |
| JEFF-3.3 | 17.5338 b | 17.5338 b | 19.477 b | 1.11082 | 160.065 b | 3.97025 b | 3.03941 b |
| JENDL-4.0u | 17.6028 b | 17.6028 b | 19.591 b | 1.11297 | 179.082 b | 4.00585 b | 2.68656 b |
| BROND-3.1 | 17.5338 b | 17.5338 b | 19.477 b | 1.11082 | 160.065 b | 3.97025 b | 3.03941 b |
| TENDL-2019 | 16.2881 b | 16.2881 b | 18.12 b | 1.1125 | 156.257 b | 4.03612 b | 2.7167 b |

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| << 66-Dy-160 | 66-Dy-161 | 66-Dy-162 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Dy162 production) | MT103 (n,p) >> |



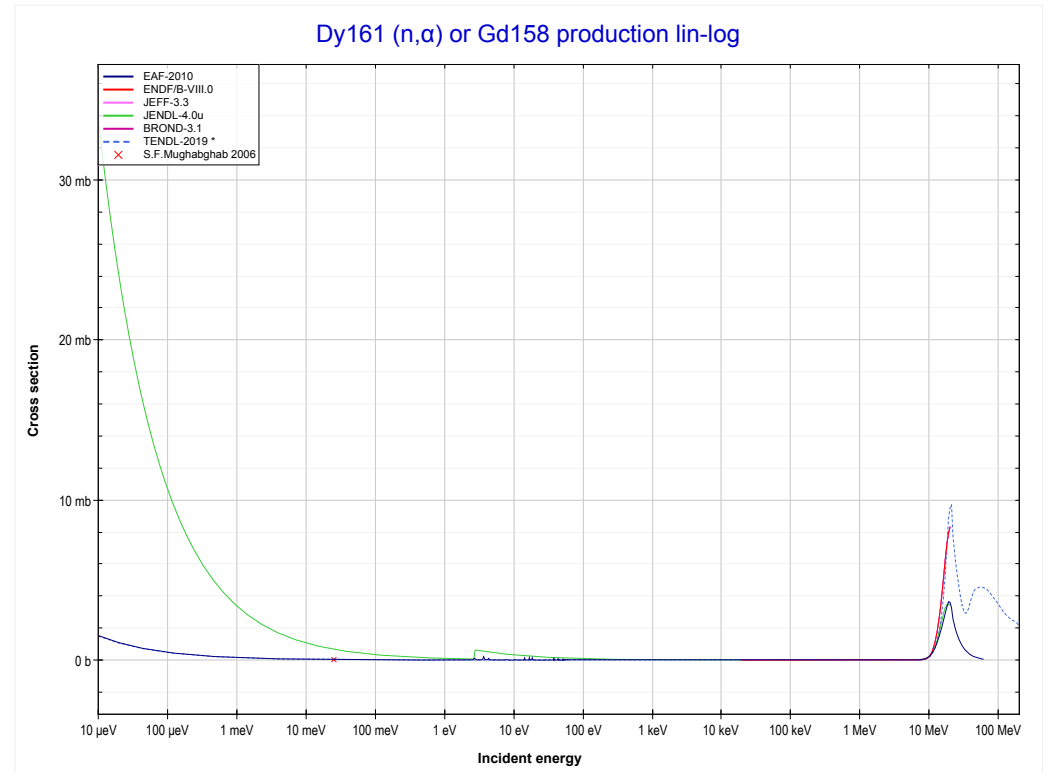
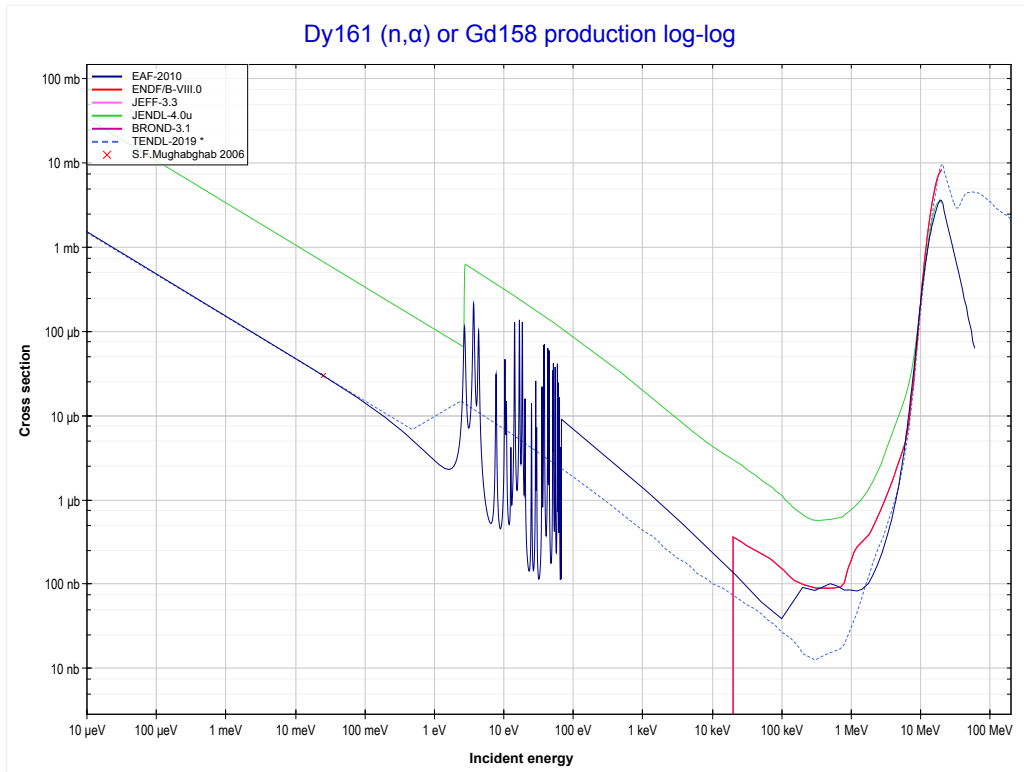
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 585.577 b | 585.122 b | 580.01 b | 0.99123 | 1216 b | 0.126351 b | 0.00156666 b |
| ENDF/B-VIII.0 | 600.209 b | 600.209 b | 593.94 b | 0.98955 | 1075.32 b | 0.123796 b | 9.07692E-4 b |
| JEFF-3.3 | 600.209 b | 600.209 b | 593.94 b | 0.98955 | 1075.32 b | 0.123796 b | 9.07692E-4 b |
| JENDL-4.0u | 600.076 b | 600.076 b | 594.39 b | 0.99052 | 1088.13 b | 0.140036 b | 0.00110356 b |
| BROND-3.1 | 600.209 b | 600.209 b | 593.94 b | 0.98955 | 1075.32 b | 0.123796 b | 9.07692E-4 b |
| TENDL-2019 | 599.982 b | 599.982 b | 594.07 b | 0.99014 | 1081.04 b | 0.132768 b | 0.00100482 b |

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|-------------------------|--|-------------------------|
| << 66-Dy-160 | 66-Dy-161 | 66-Dy-162 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb161 production) | MT107 (n, α) >> |



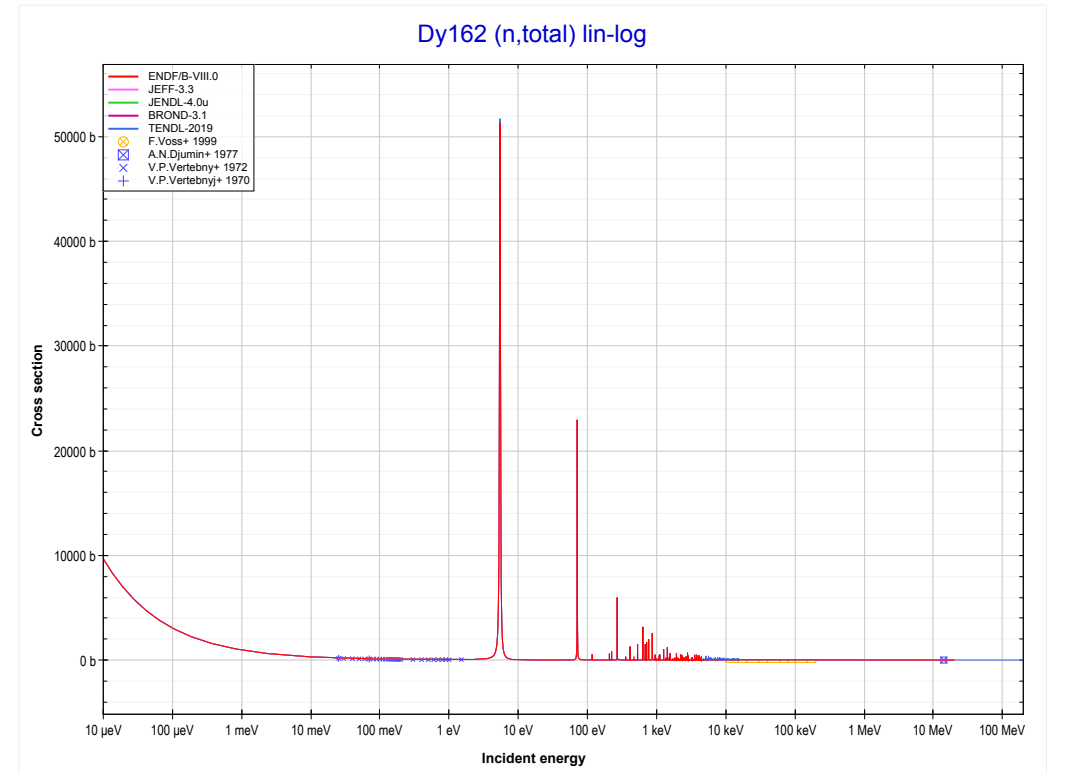
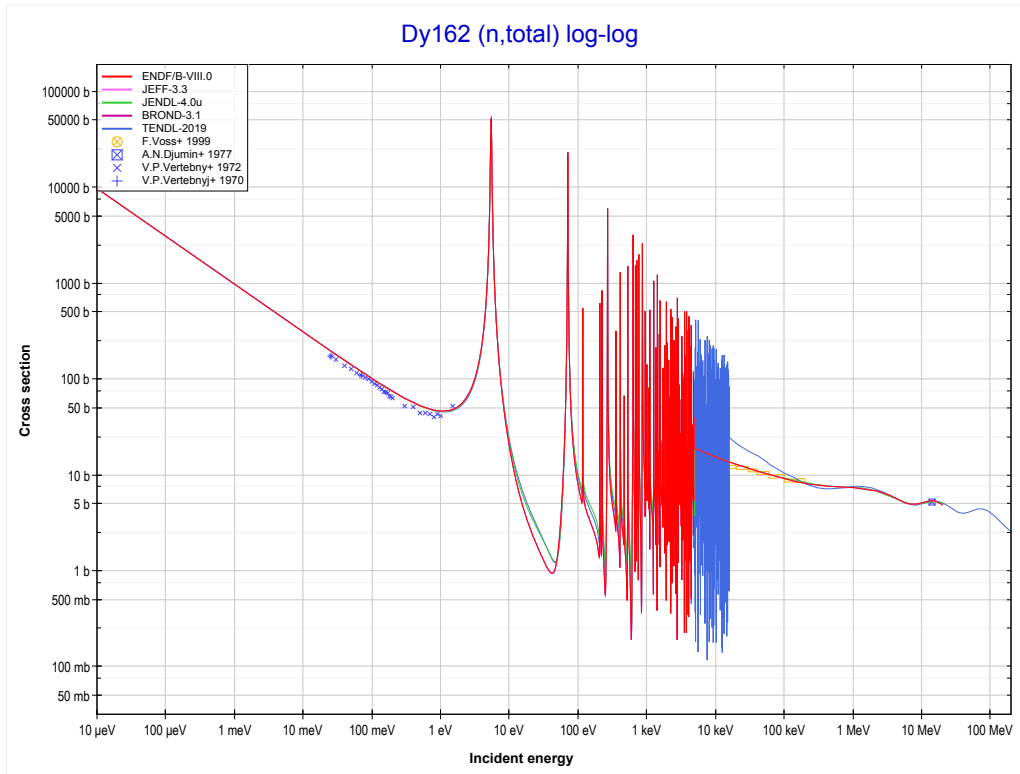
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.77422E-21 b | 3.77422E-21 b | 4.2585E-21 b | 0 | 4.60745E-20 b | 5.75969E-6 b | 0.00475718 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.88759E-6 b | 0.00611492 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.88759E-6 b | 0.00611492 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 2.98824E-20 b | 6.10596E-6 b | 0.00661012 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.88759E-6 b | 0.00611492 b |
| TENDL-2019 | 1.0031E-20 b | 1.0031E-20 b | 1.132E-20 b | 1.12848 | 1.22063E-19 b | 1.02461E-5 b | 0.00770187 b |

| | | |
|----------------|--|----------------------------|
| << 66-Dy-156 | 66-Dy-161 | 66-Dy-162 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Gd158 production) | 66-Dy-162 MT1 (n,total) >> |



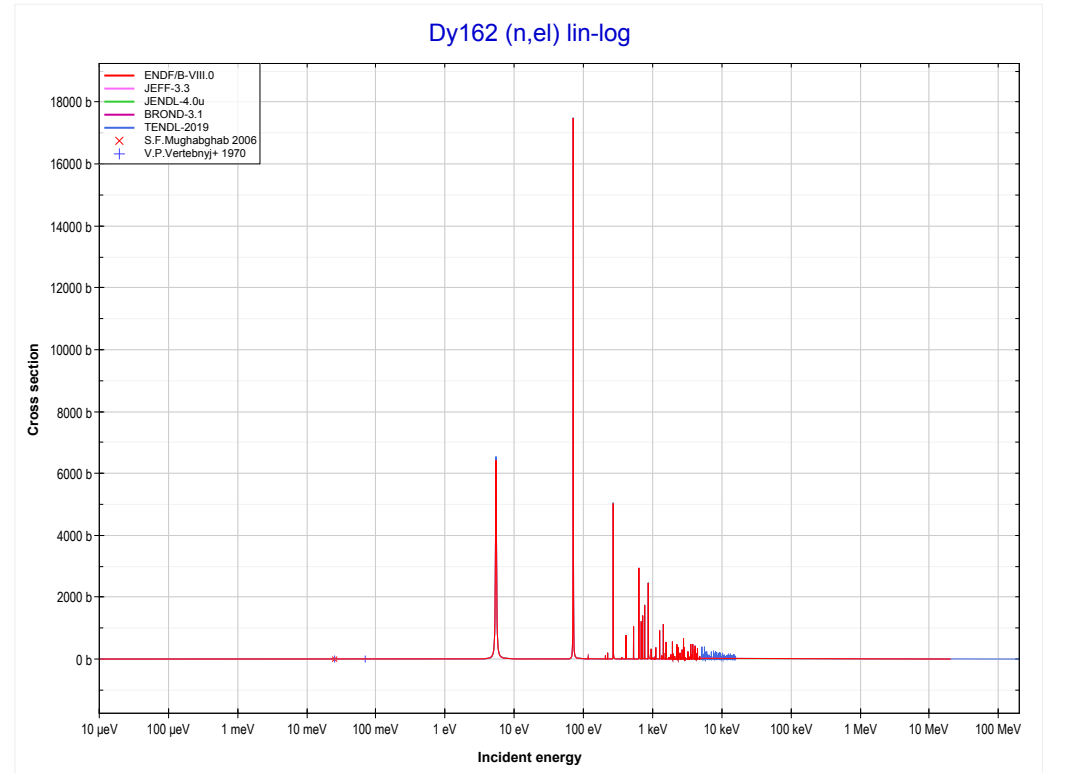
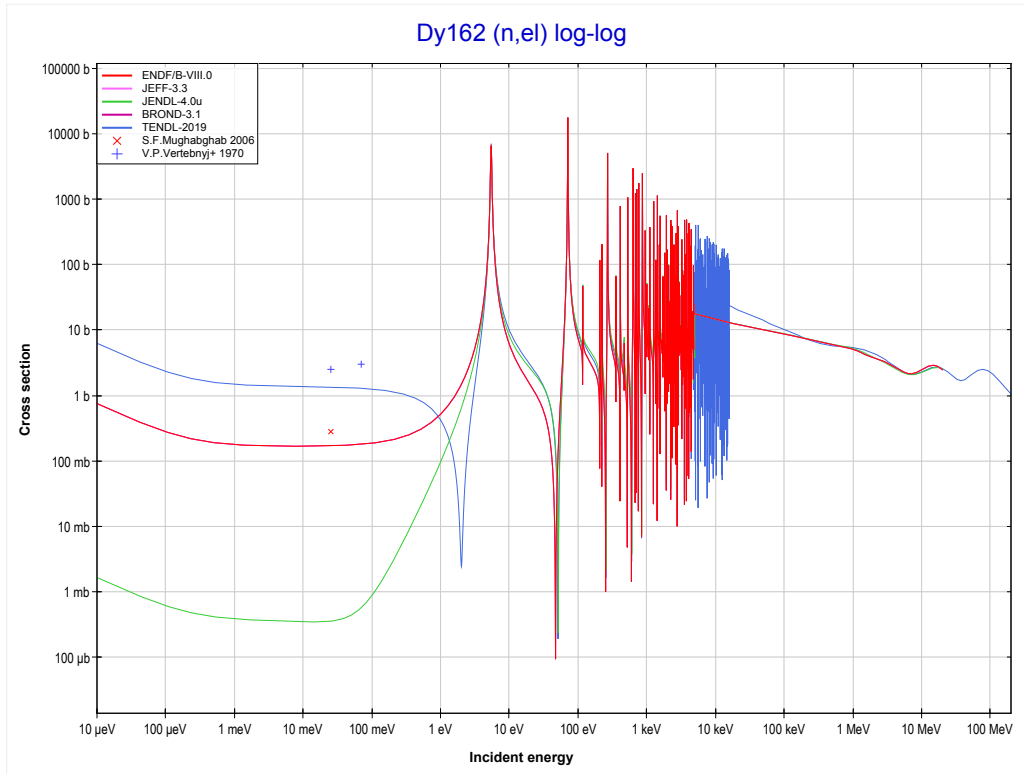
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3E-5 b | 2.99767E-5 b | 2.9715E-5 b | 0.99123 | 6.22976E-5 b | 2.28861E-6 b | 0.00149354 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 4.02909E-7 b | 3.10662E-6 b | 0.00269104 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.02909E-7 b | 3.10662E-6 b | 0.00269104 b |
| JENDL-4.0u | 6.72347E-4 b | 6.72347E-4 b | 6.7263E-4 b | 1.00042 | 0.00133281 b | 4.70499E-6 b | 0.00176058 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 4.02909E-7 b | 3.10662E-6 b | 0.00269104 b |
| TENDL-2019 | 2.98712E-5 b | 2.98712E-5 b | 2.9853E-5 b | 0.99939 | 4.35367E-5 b | 2.12974E-6 b | 0.00187435 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 66-Dy-161 | 66-Dy-162 | 66-Dy-163 >> |
| << 66-Dy-161 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



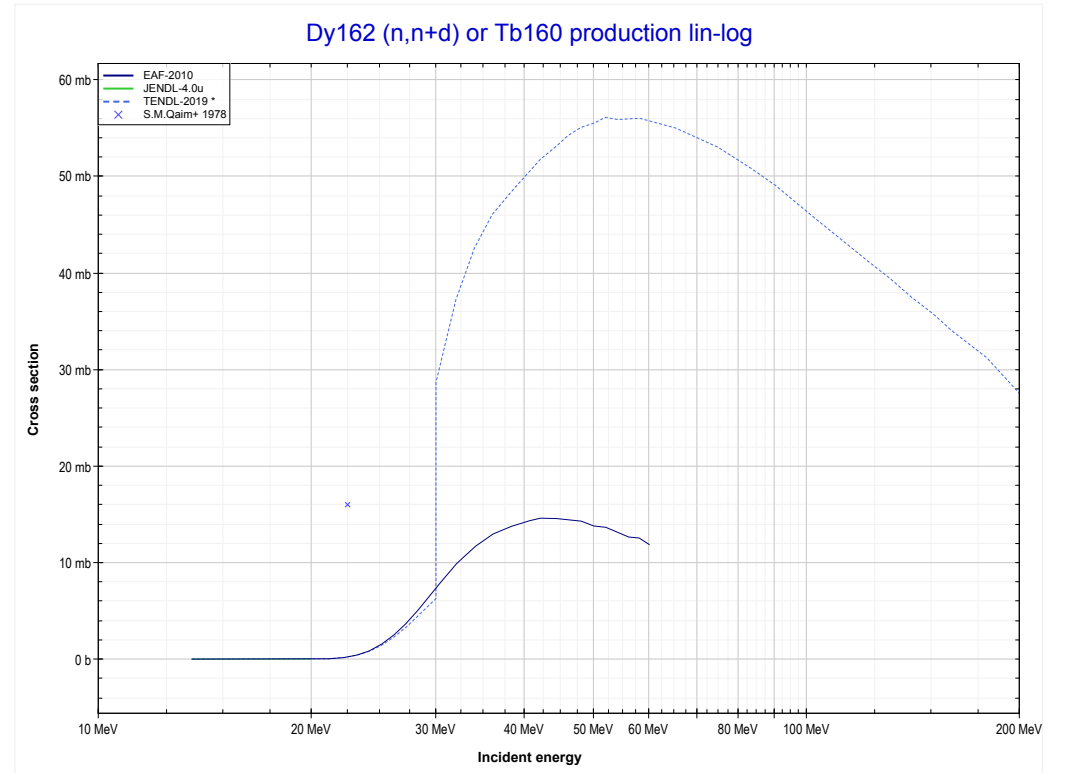
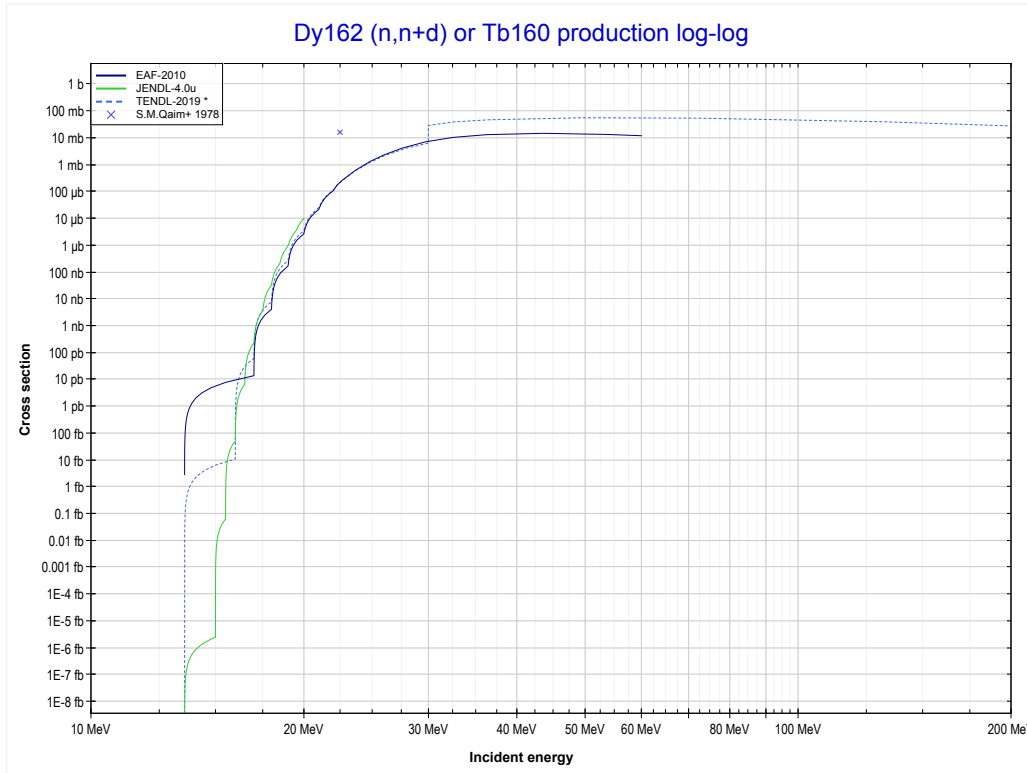
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 194.151 b | 194.151 b | 195.17 b | 1.00522 | 3520.66 b | 6.92908 b | 5.38243 b |
| JEFF-3.3 | 194.151 b | 194.151 b | 195.17 b | 1.00522 | 3520.66 b | 6.92908 b | 5.38243 b |
| JENDL-4.0u | 193.855 b | 193.855 b | 194.82 b | 1.005 | 3514.69 b | 6.94539 b | 5.22506 b |
| BROND-3.1 | 194.151 b | 194.151 b | 195.17 b | 1.00522 | 3520.66 b | 6.92908 b | 5.38243 b |
| TENDL-2019 | 195.174 b | 195.174 b | 196.19 b | 1.00521 | 3518.21 b | 7.06262 b | 5.2942 b |

| | | |
|------------------|------------------------|-----------------|
| << 66-Dy-161 | 66-Dy-162 | 66-Dy-163 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT32 (n,n+d) >> |



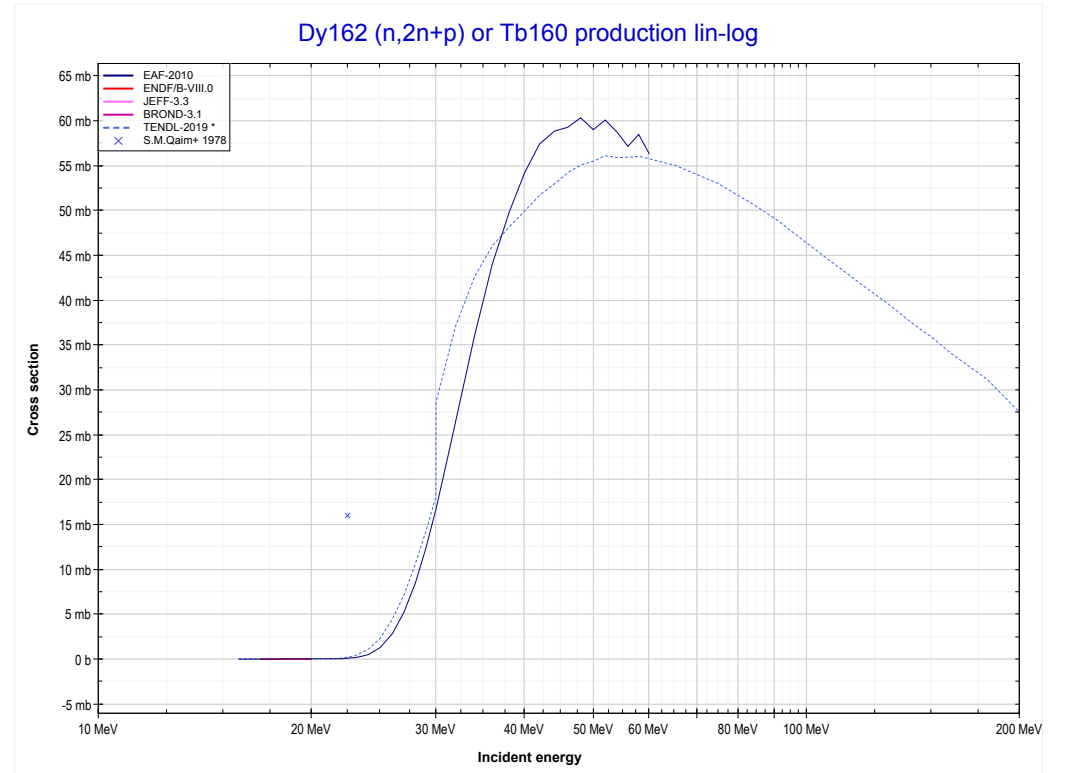
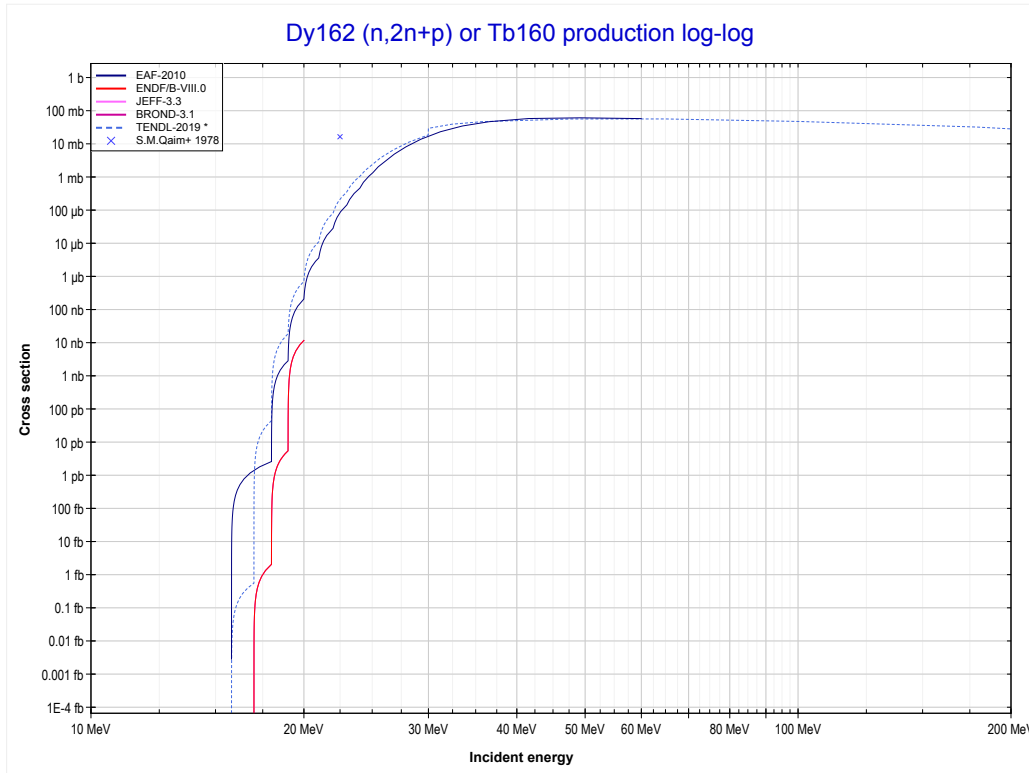
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.169824 b | 0.169824 b | 0.19794 b | 1.16559 | 763.334 b | 4.40781 b | 2.88475 b |
| JEFF-3.3 | 0.169824 b | 0.169824 b | 0.19794 b | 1.16559 | 763.334 b | 4.40781 b | 2.88475 b |
| JENDL-4.0u | 3.55673E-4 b | 3.55673E-4 b | 6.034E-4 b | 1.6965 | 766.082 b | 4.48176 b | 2.59944 b |
| BROND-3.1 | 0.169824 b | 0.169824 b | 0.19794 b | 1.16559 | 763.334 b | 4.40781 b | 2.88475 b |
| TENDL-2019 | 1.34267 b | 1.34267 b | 1.4825 b | 1.10412 | 778.185 b | 4.74545 b | 2.66305 b |

| | | |
|--------------------|---|------------------|
| << 59-Pr-141 | 66-Dy-162 | 74-W-184 >> |
| << MT2 (n,elastic) | MT32 (n,n+d) or MT5 (Tb160 production) | MT41 (n,2n+p) >> |



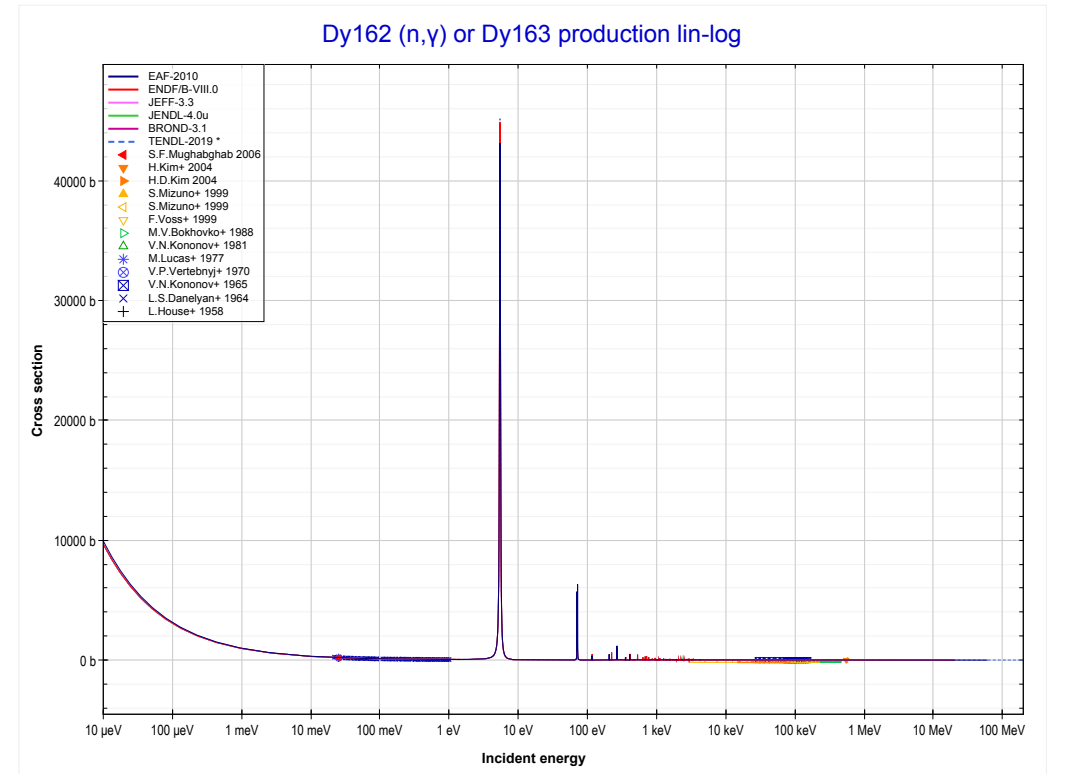
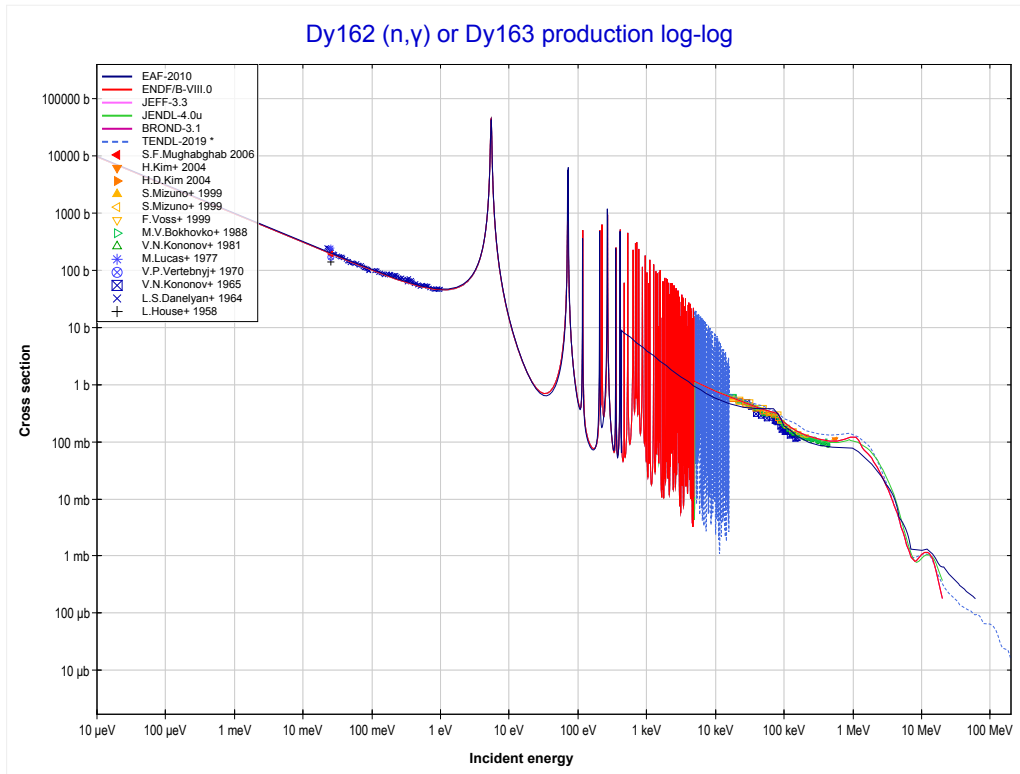
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.76891E-12 b | 7.3886E-22 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.25506E-12 b | 1.90721E-15 b |

| | | |
|-----------------|--|-------------------------|
| << 59-Pr-141 | 66-Dy-162 | 74-W-184 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Tb160 production) | MT102 (n, γ) >> |



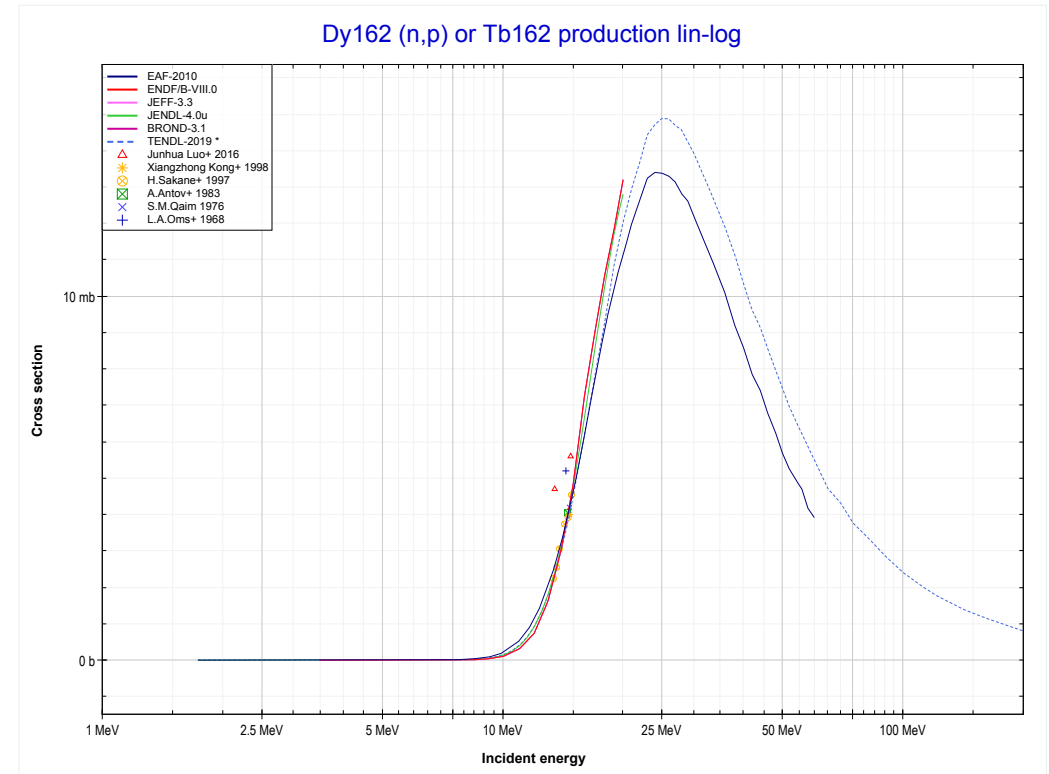
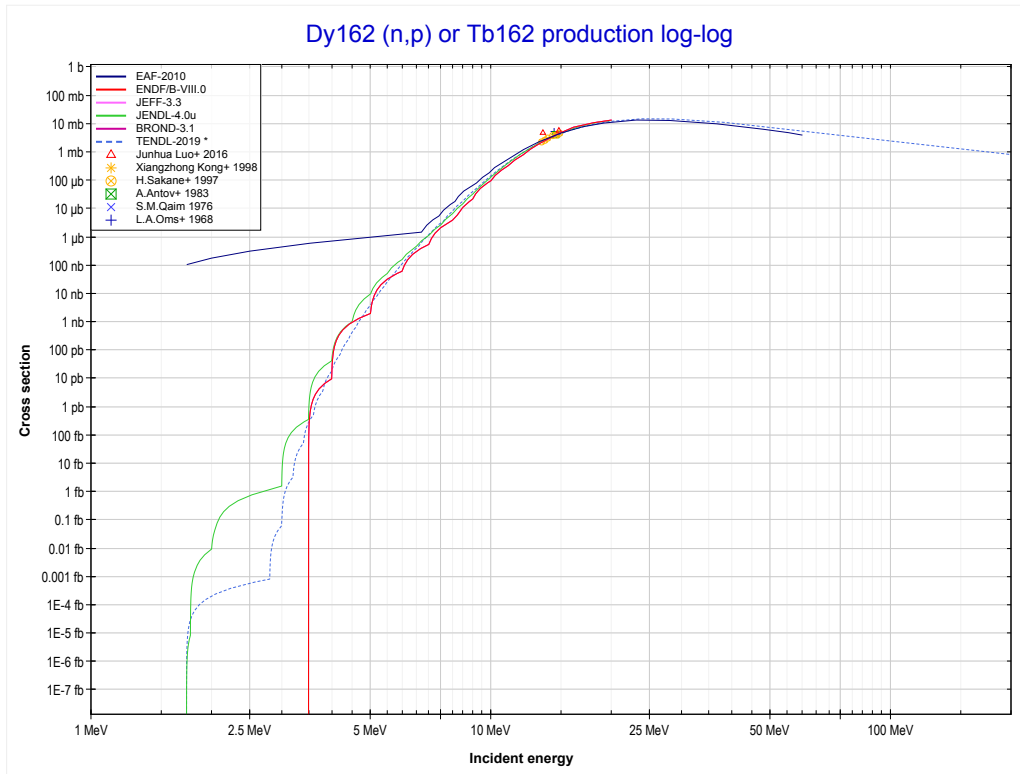
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.70062E-15 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.70062E-15 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.70062E-15 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.6967E-13 b | 0 b |

| | | |
|------------------|--|----------------|
| << 66-Dy-161 | 66-Dy-162 | 66-Dy-163 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Dy163 production) | MT103 (n,p) >> |



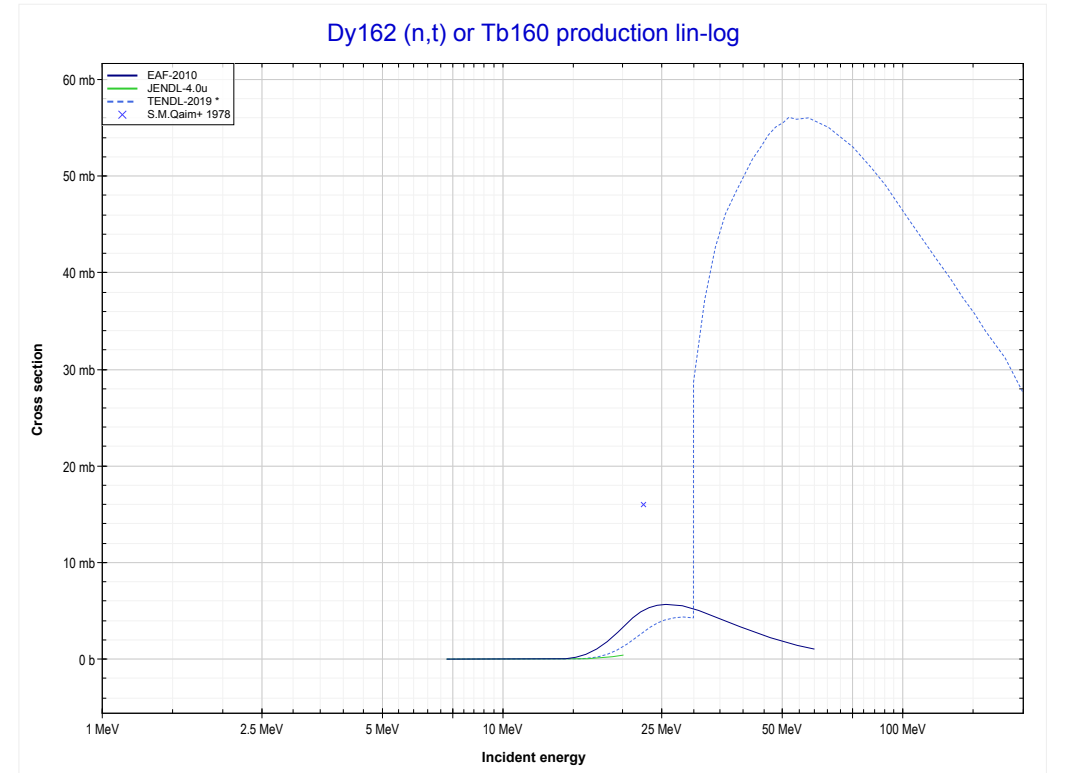
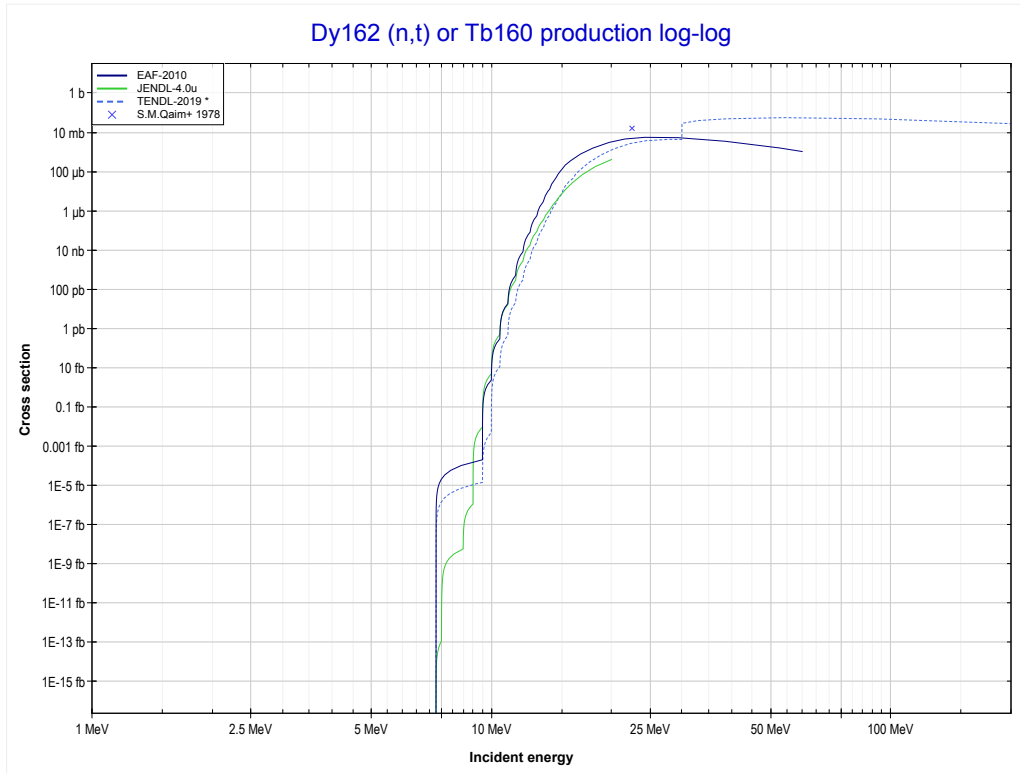
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 199.352 b | 199.205 b | 200.1 b | 1.0045 | 2771.39 b | 0.0541484 b | 0.00113 b |
| ENDF/B-VIII.0 | 193.981 b | 193.981 b | 194.97 b | 1.00508 | 2757.31 b | 0.0701437 b | 9.65921E-4 b |
| JEFF-3.3 | 193.981 b | 193.981 b | 194.97 b | 1.00508 | 2757.31 b | 0.0701437 b | 9.65921E-4 b |
| JENDL-4.0u | 193.855 b | 193.855 b | 194.82 b | 1.005 | 2748.59 b | 0.0716106 b | 9.89479E-4 b |
| BROND-3.1 | 193.981 b | 193.981 b | 194.97 b | 1.00508 | 2757.31 b | 0.0701437 b | 9.65921E-4 b |
| TENDL-2019 | 193.831 b | 193.831 b | 194.71 b | 1.00453 | 2740.01 b | 0.0860137 b | 9.15928E-4 b |

| | | |
|-------------------------|--|----------------|
| << 66-Dy-161 | 66-Dy-162 | 66-Dy-163 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb162 production) | MT105 (n,t) >> |



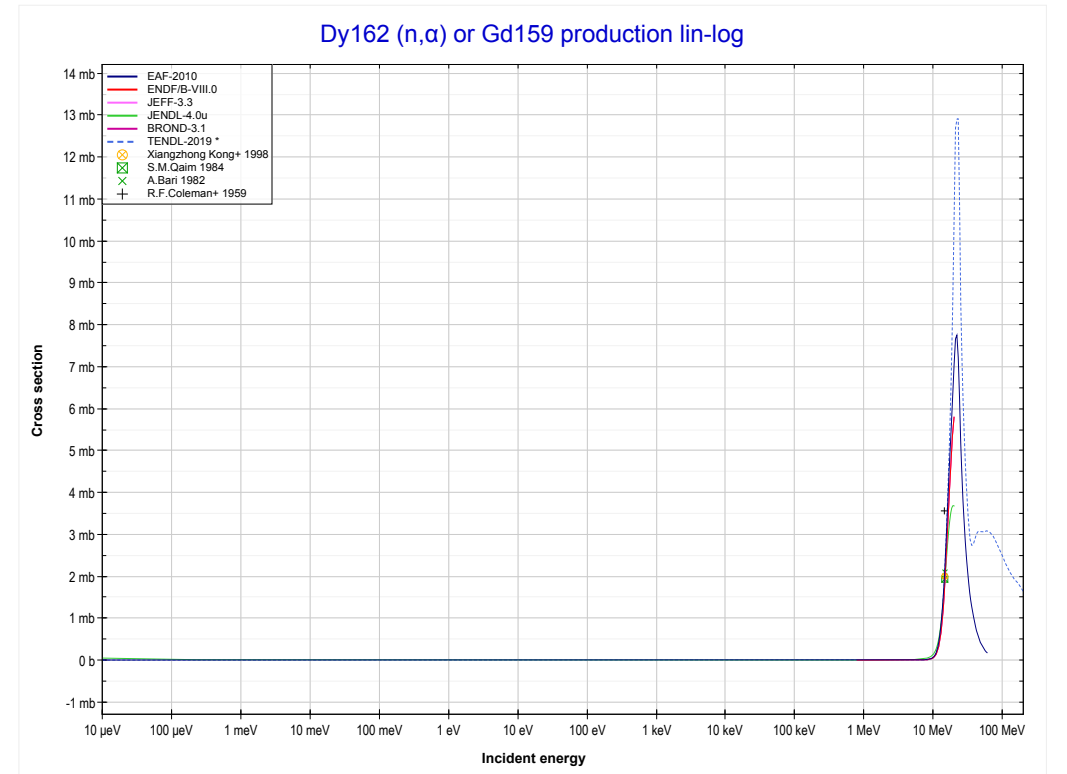
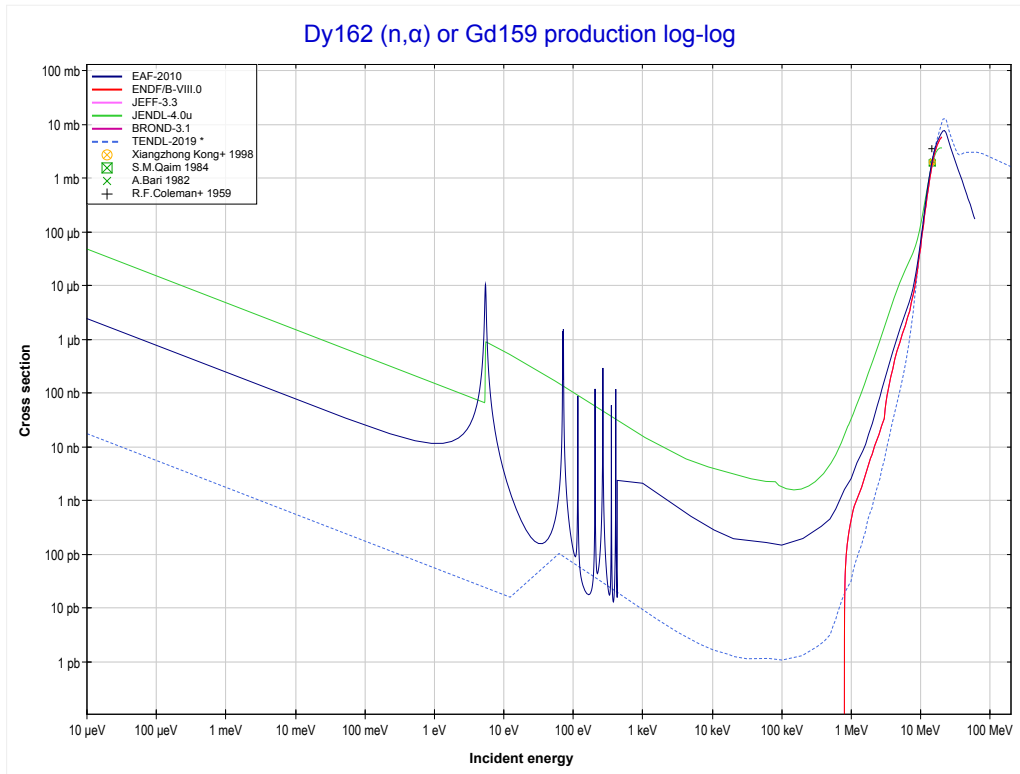
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63301E-6 b | 0.00321859 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80418E-6 b | 0.00302348 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80418E-6 b | 0.00302348 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.97666E-6 b | 0.00309504 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80418E-6 b | 0.00302348 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.98863E-6 b | 0.00298577 b |

| | | |
|----------------|--|-------------------------|
| << 59-Pr-141 | 66-Dy-162 | 68-Er-170 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Tb160 production) | MT107 (n, α) >> |



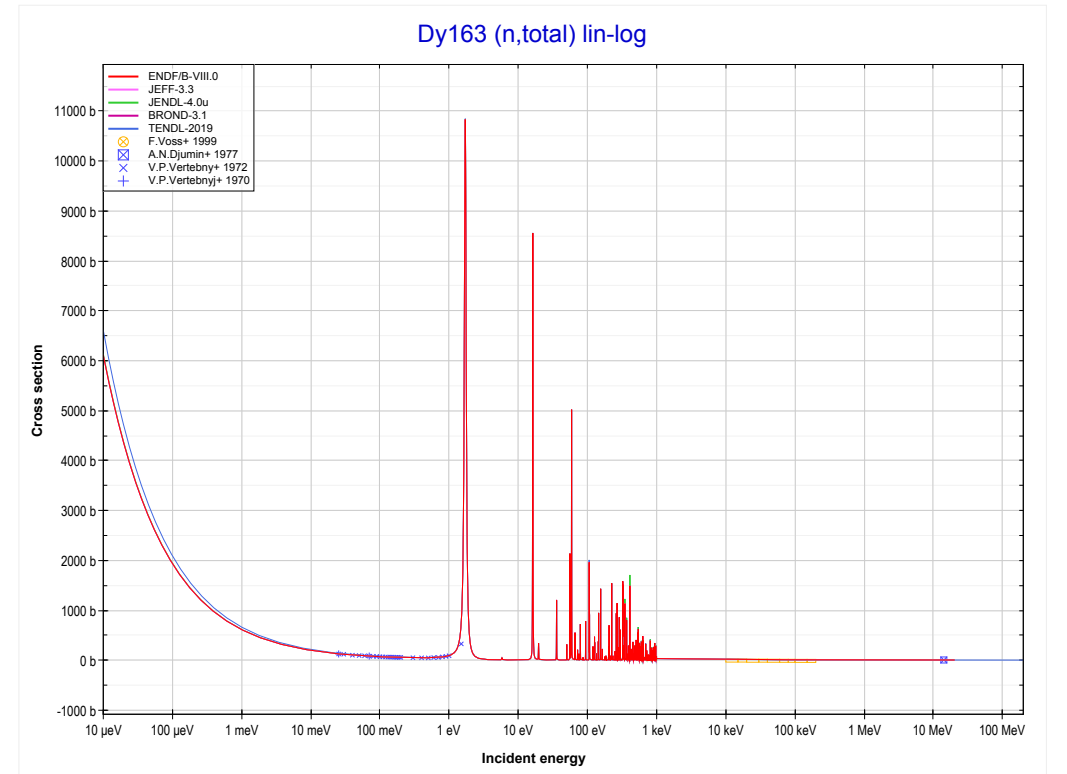
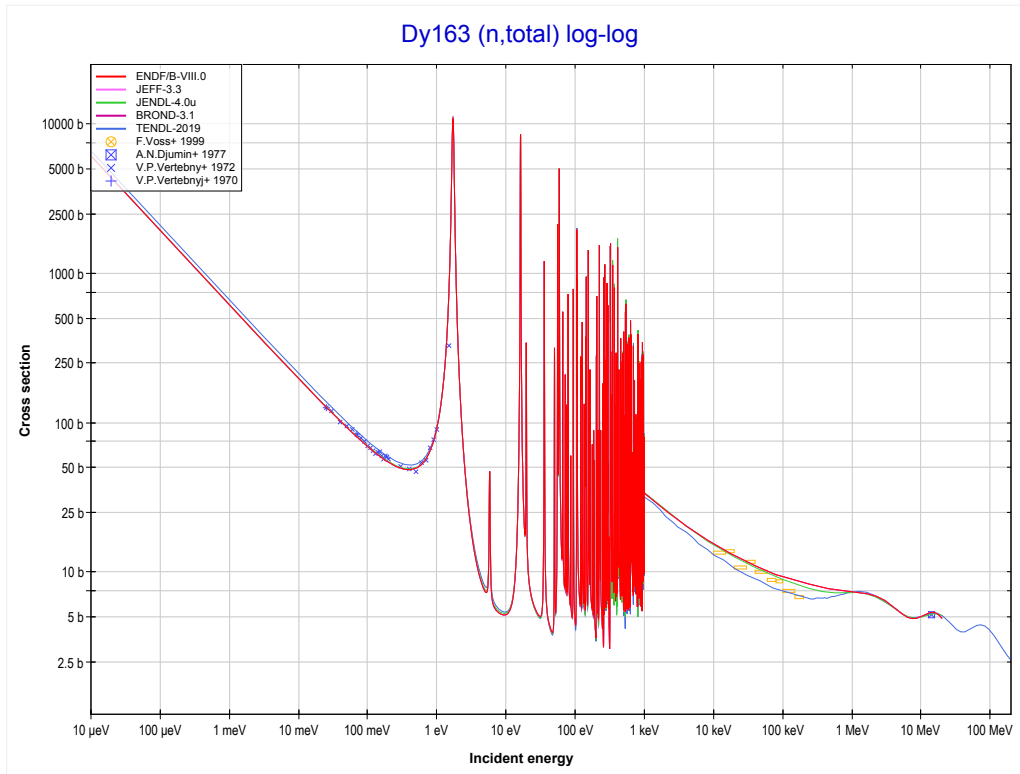
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.09849E-8 b | 1.26896E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.45029E-9 b | 1.06799E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.85212E-9 b | 6.0145E-7 b |

| | | |
|----------------|--|----------------------------|
| << 66-Dy-161 | 66-Dy-162 | 66-Dy-163 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Gd159 production) | 66-Dy-163 MT1 (n,total) >> |



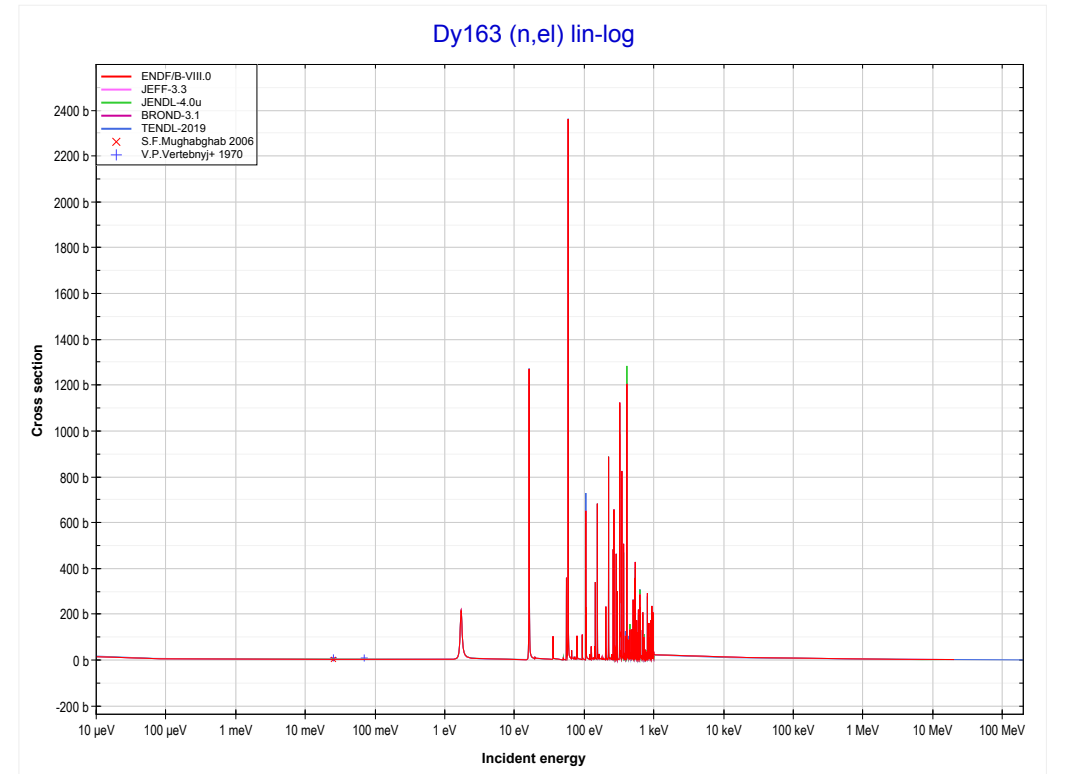
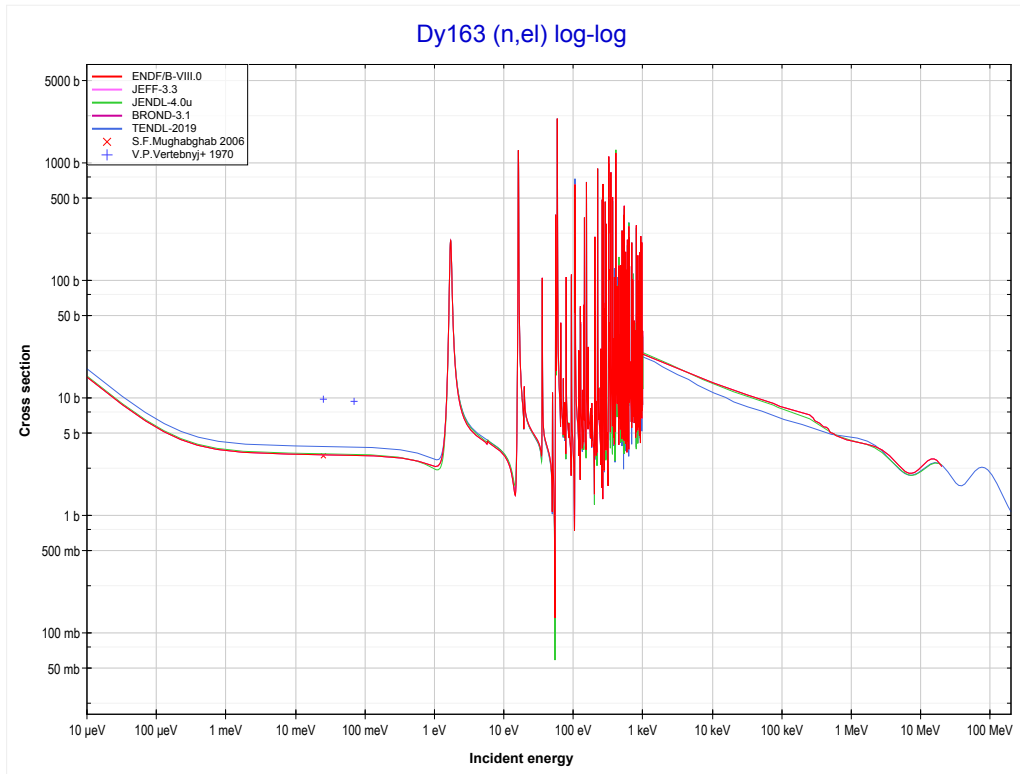
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.9003E-8 b | 4.8967E-8 b | 4.9187E-8 b | 1.0045 | 6.83194E-7 b | 1.28228E-6 b | 0.00154663 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74289E-7 b | 0.00122795 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74289E-7 b | 0.00122795 b |
| JENDL-4.0u | 9.59191E-7 b | 9.59191E-7 b | 9.5952E-7 b | 1.00034 | 1.55888E-6 b | 3.33161E-6 b | 0.00143037 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74289E-7 b | 0.00122795 b |
| TENDL-2019 | 3.5065E-10 b | 3.5065E-10 b | 3.5047E-10 b | 0.99949 | 3.23374E-10 b | 9.93594E-7 b | 0.00151036 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 66-Dy-162 | 66-Dy-163 | 66-Dy-164 >> |
| << 66-Dy-162 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



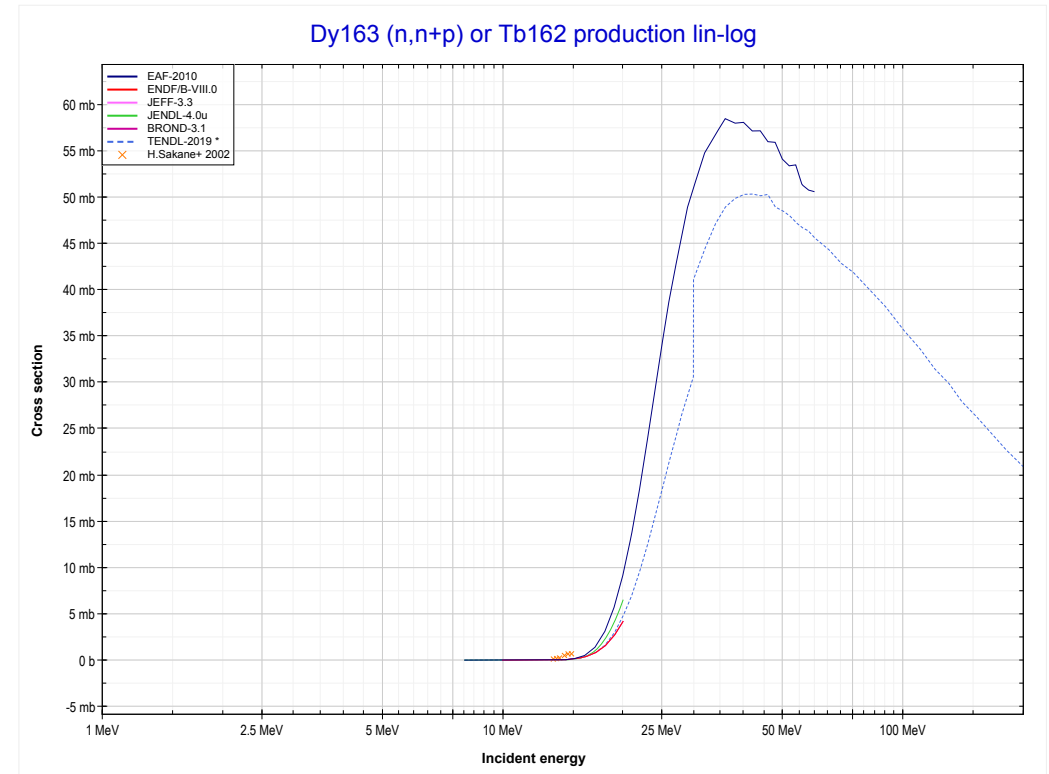
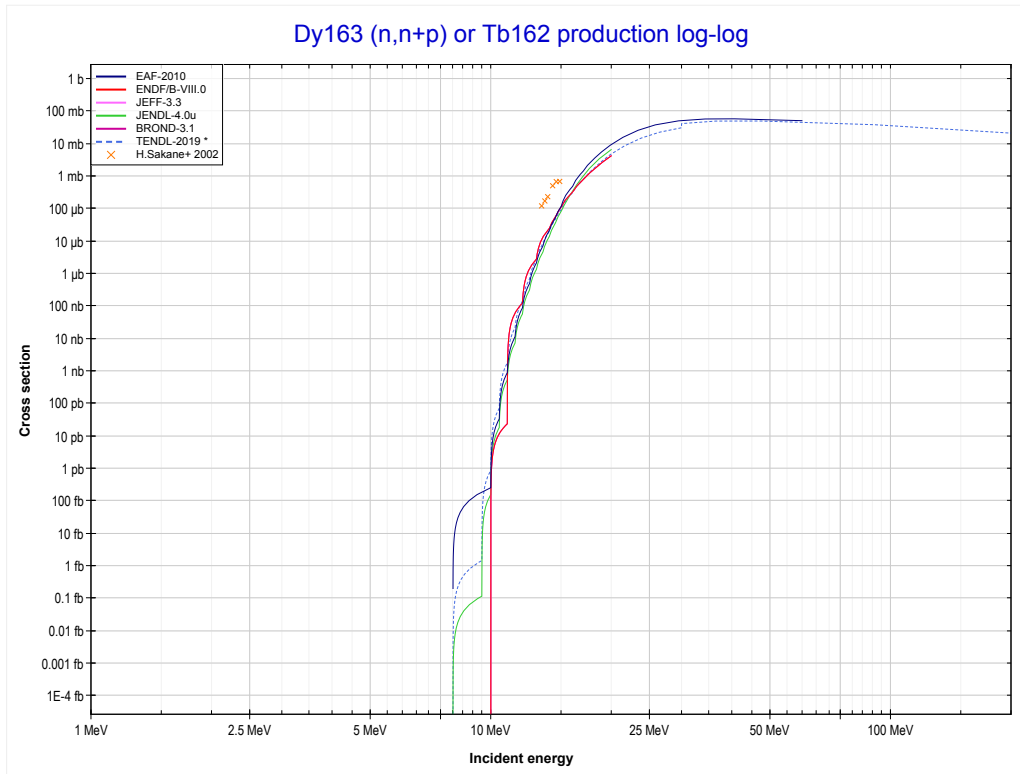
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 126.709 b | 126.709 b | 128.47 b | 1.0139 | 1719.54 b | 7.03403 b | 5.38427 b |
| JEFF-3.3 | 126.709 b | 126.709 b | 128.47 b | 1.0139 | 1719.54 b | 7.03403 b | 5.38427 b |
| JENDL-4.0u | 127.528 b | 127.528 b | 129.36 b | 1.0144 | 1720.14 b | 6.88801 b | 5.22534 b |
| BROND-3.1 | 126.709 b | 126.709 b | 128.47 b | 1.0139 | 1719.54 b | 7.03403 b | 5.38427 b |
| TENDL-2019 | 137.415 b | 137.415 b | 139.31 b | 1.0138 | 1713.59 b | 6.78409 b | 5.29853 b |

| | | |
|------------------|------------------------|-----------------|
| << 66-Dy-162 | 66-Dy-163 | 66-Dy-164 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



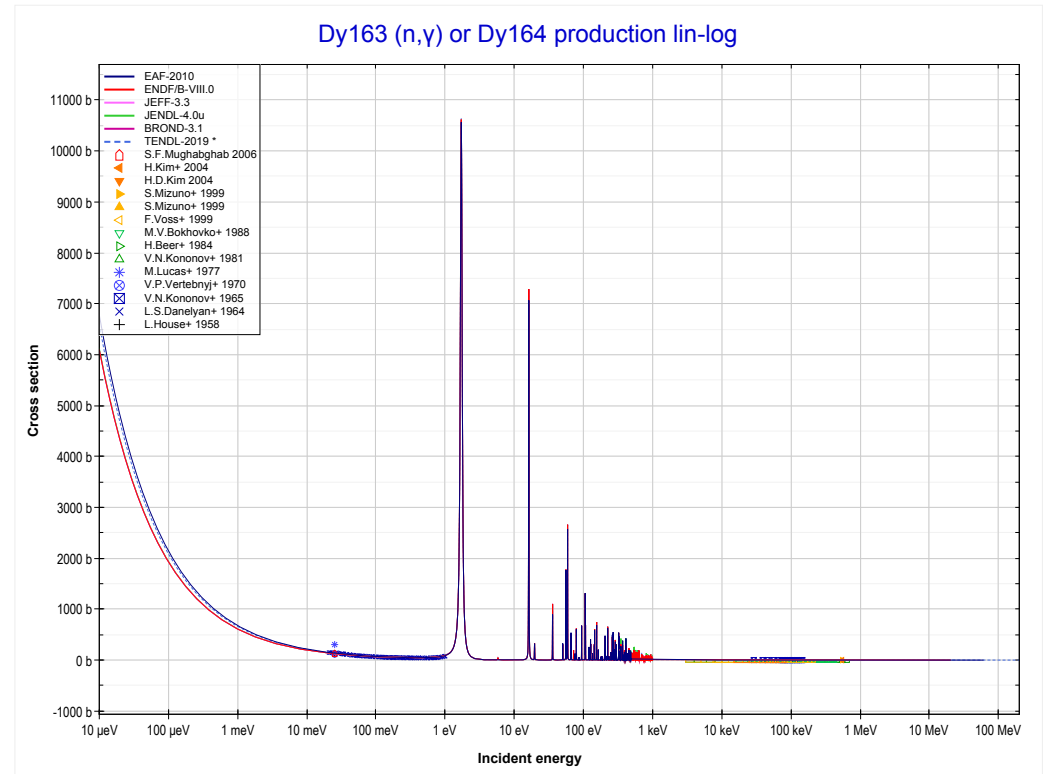
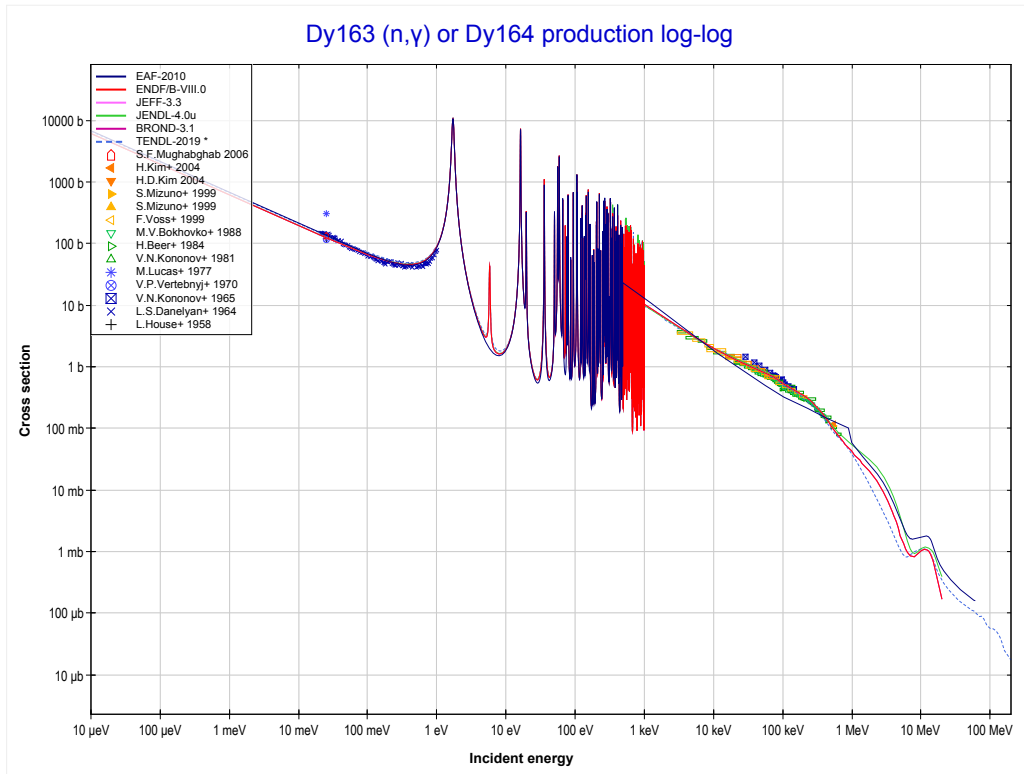
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 3.27607 b | 3.27607 b | 3.6787 b | 1.12289 | 230.804 b | 4.22672 b | 3.00429 b |
| JEFF-3.3 | 3.27607 b | 3.27607 b | 3.6787 b | 1.12289 | 230.804 b | 4.22672 b | 3.00429 b |
| JENDL-4.0u | 3.34153 b | 3.34153 b | 3.7495 b | 1.12208 | 229.146 b | 4.13822 b | 2.70442 b |
| BROND-3.1 | 3.27607 b | 3.27607 b | 3.6787 b | 1.12289 | 230.804 b | 4.22672 b | 3.00429 b |
| TENDL-2019 | 3.85359 b | 3.85359 b | 4.3264 b | 1.12269 | 221.684 b | 4.16641 b | 2.73613 b |

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|--------------------|---|-------------------------|
| << 64-Gd-160 | 66-Dy-163 | 66-Dy-164 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Tb162 production) | MT102 (n, γ) >> |



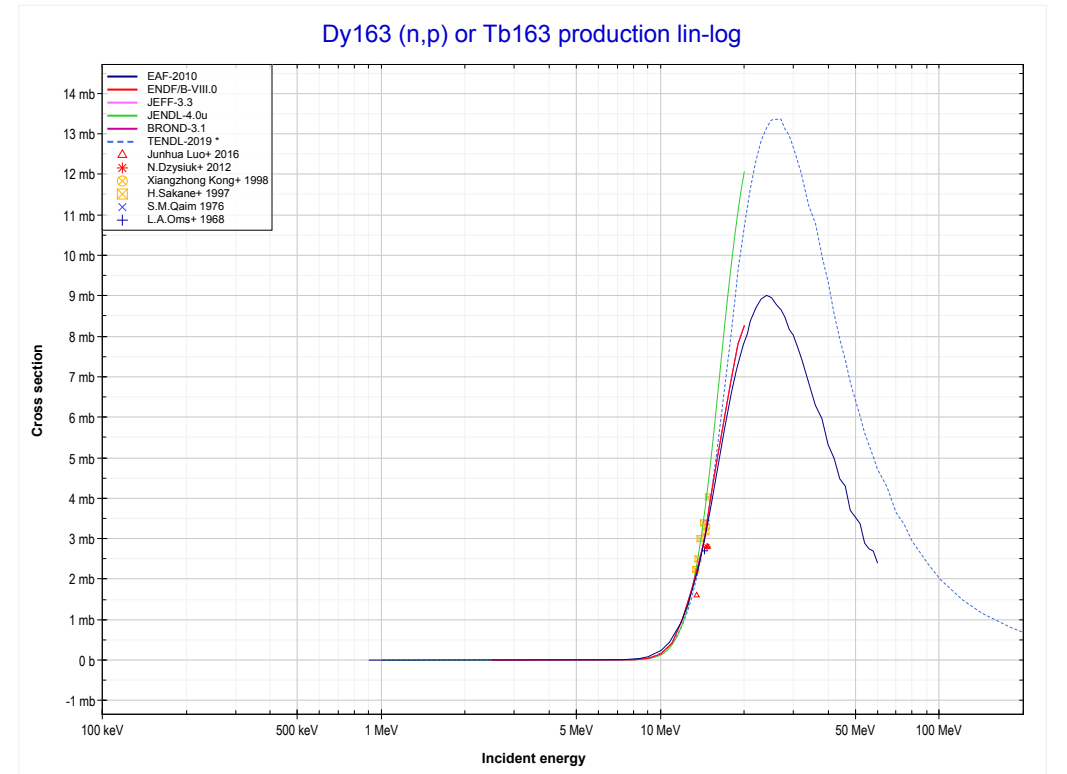
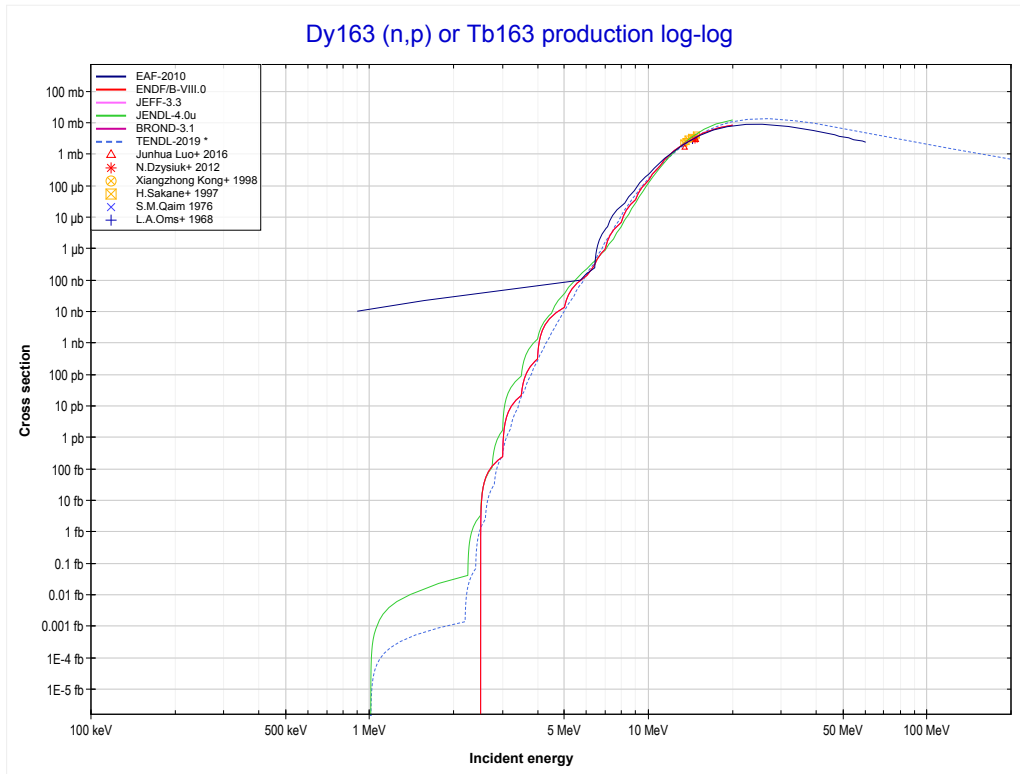
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.88468E-8 b | 2.36535E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.88468E-8 b | 2.36535E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.65371E-8 b | 1.33262E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.88468E-8 b | 2.36535E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91983E-8 b | 1.96247E-5 b |

| | | |
|-----------------|--|----------------|
| << 66-Dy-162 | 66-Dy-163 | 66-Dy-164 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Dy164 production) | MT103 (n,p) >> |



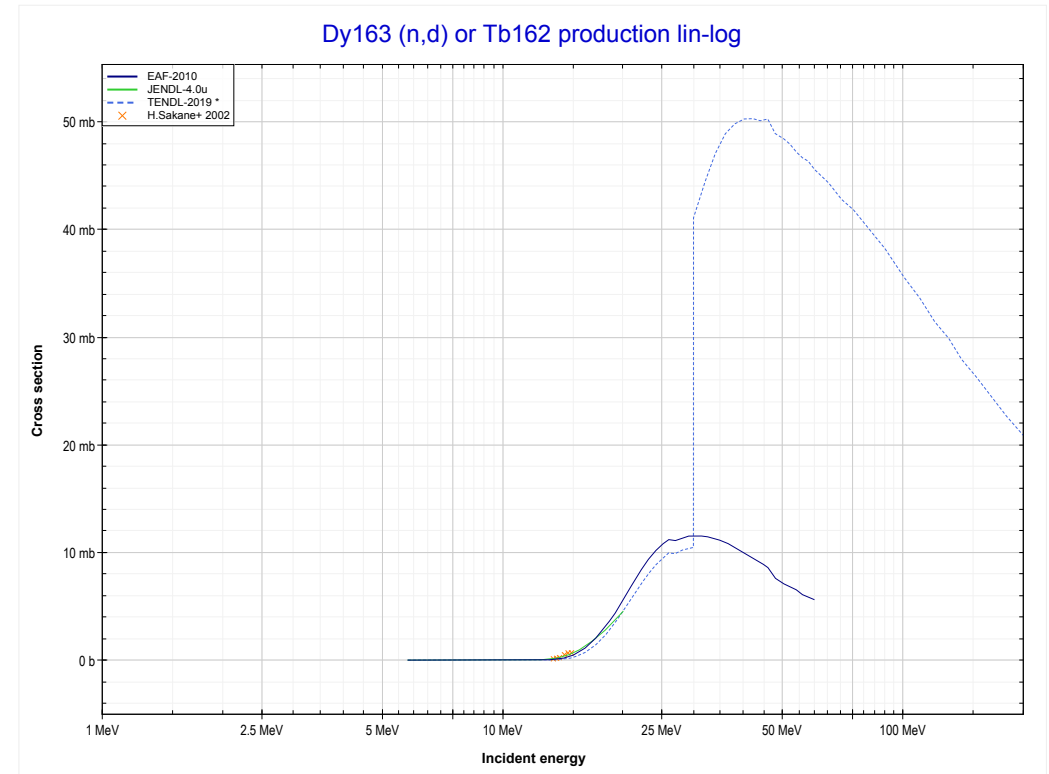
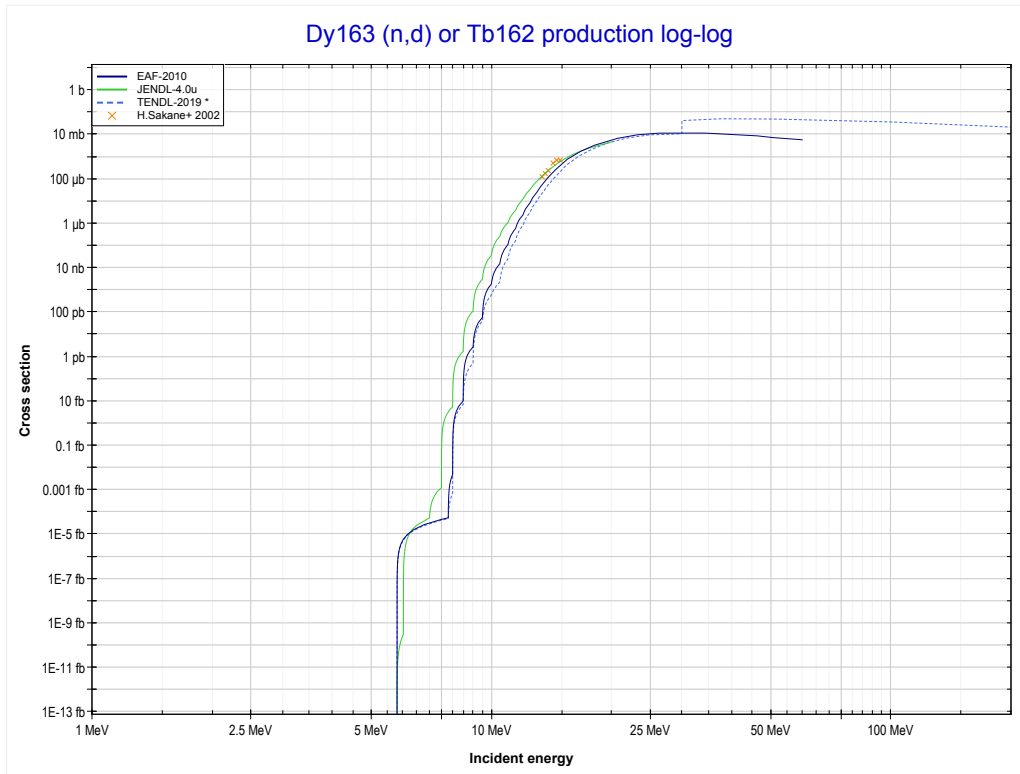
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 134.523 b | 134.422 b | 134.75 b | 1.00246 | 1466.96 b | 0.0662948 b | 0.00151896 b |
| ENDF/B-VIII.0 | 123.433 b | 123.433 b | 124.79 b | 1.01101 | 1488.65 b | 0.0653017 b | 8.67082E-4 b |
| JEFF-3.3 | 123.433 b | 123.433 b | 124.79 b | 1.01101 | 1488.65 b | 0.0653017 b | 8.67082E-4 b |
| JENDL-4.0u | 124.186 b | 124.186 b | 125.62 b | 1.0115 | 1490.92 b | 0.0735456 b | 0.0010694 b |
| BROND-3.1 | 123.433 b | 123.433 b | 124.79 b | 1.01101 | 1488.65 b | 0.0653017 b | 8.67082E-4 b |
| TENDL-2019 | 133.562 b | 133.562 b | 134.99 b | 1.01066 | 1491.86 b | 0.0581701 b | 8.94704E-4 b |

| | | |
|-------------------------|--|----------------|
| << 66-Dy-162 | 66-Dy-163 | 66-Dy-164 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb163 production) | MT104 (n,d) >> |



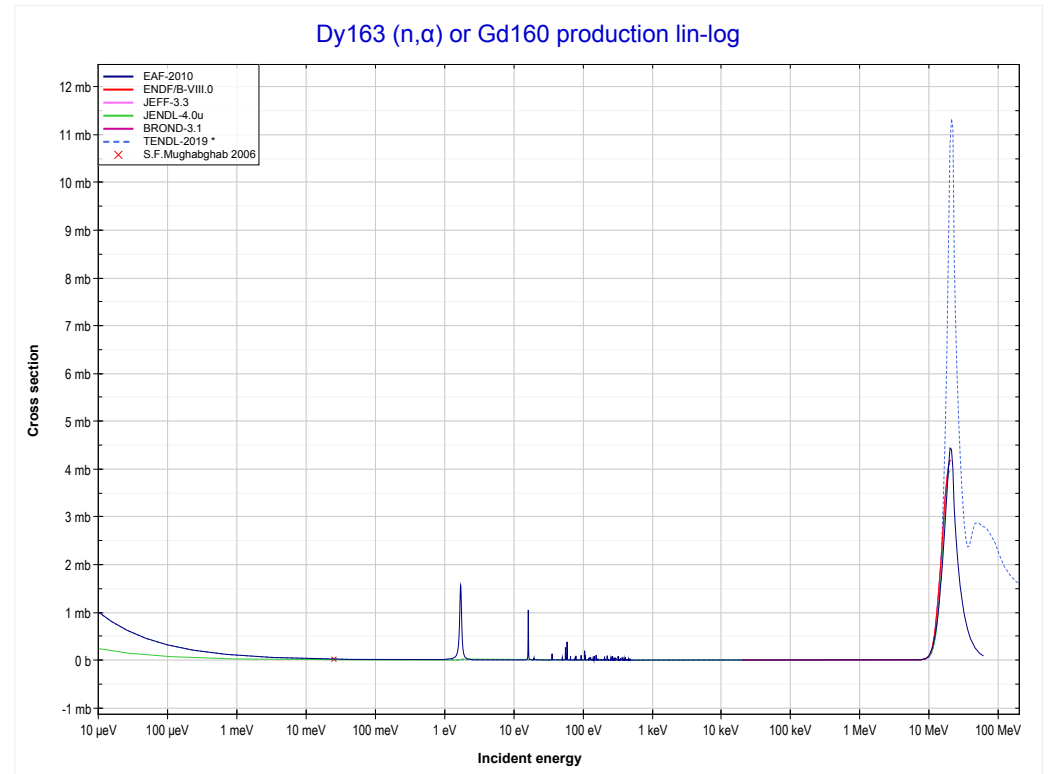
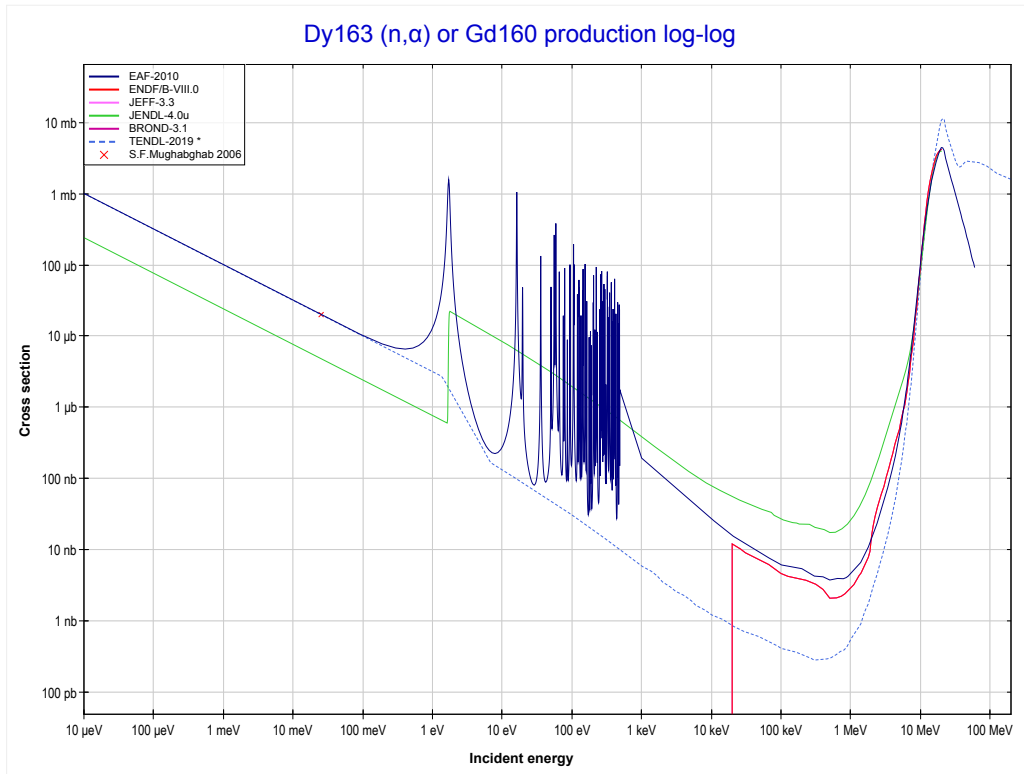
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.32426E-6 b | 0.0025784 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94683E-6 b | 0.00262098 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94683E-6 b | 0.00262098 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.89392E-6 b | 0.00301051 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.94683E-6 b | 0.00262098 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93608E-6 b | 0.00255466 b |

| | | |
|----------------|--|-------------------------|
| << 64-Gd-160 | 66-Dy-163 | 66-Dy-164 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tb162 production) | MT107 (n, α) >> |



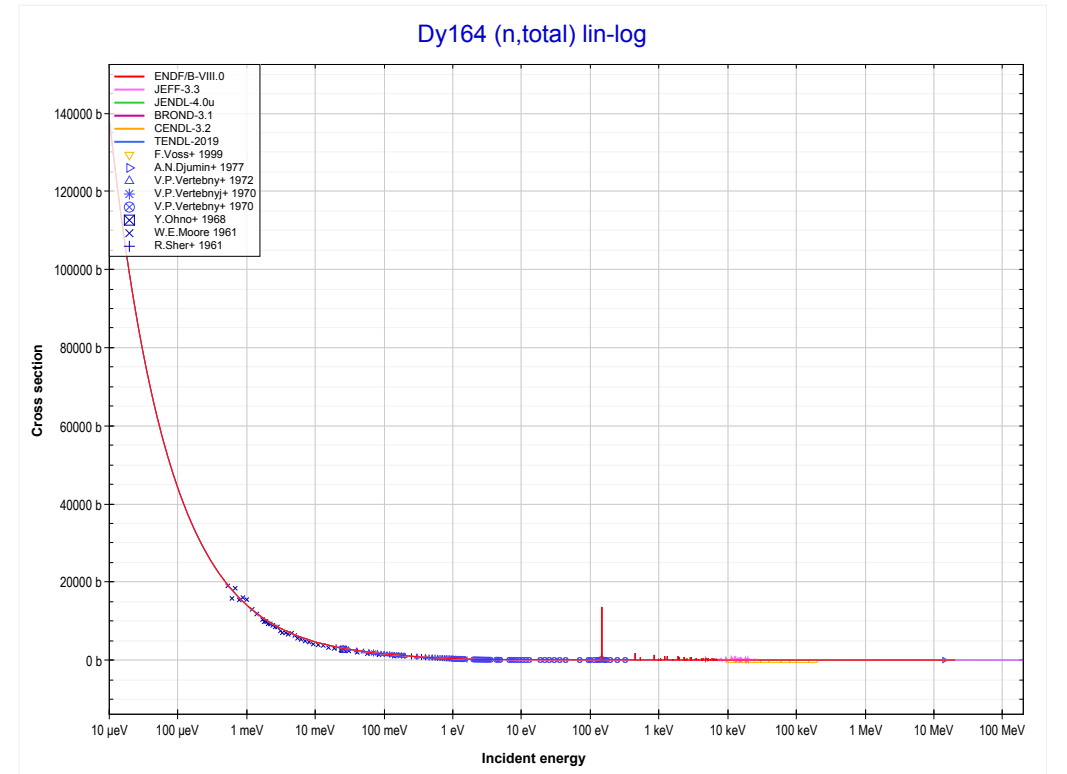
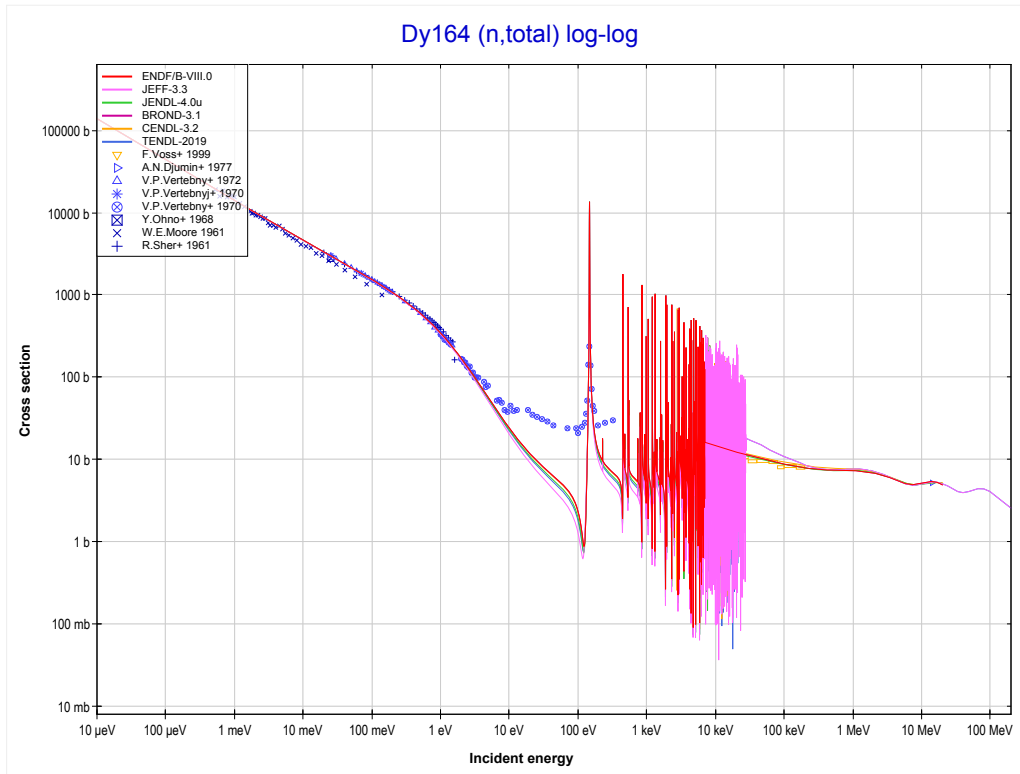
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06686E-7 b | 1.31924E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.38546E-7 b | 2.64794E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.7369E-8 b | 6.02226E-5 b |

| | | |
|----------------|--|----------------------------|
| << 66-Dy-162 | 66-Dy-163 | 66-Dy-164 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Gd160 production) | 66-Dy-164 MT1 (n,total) >> |



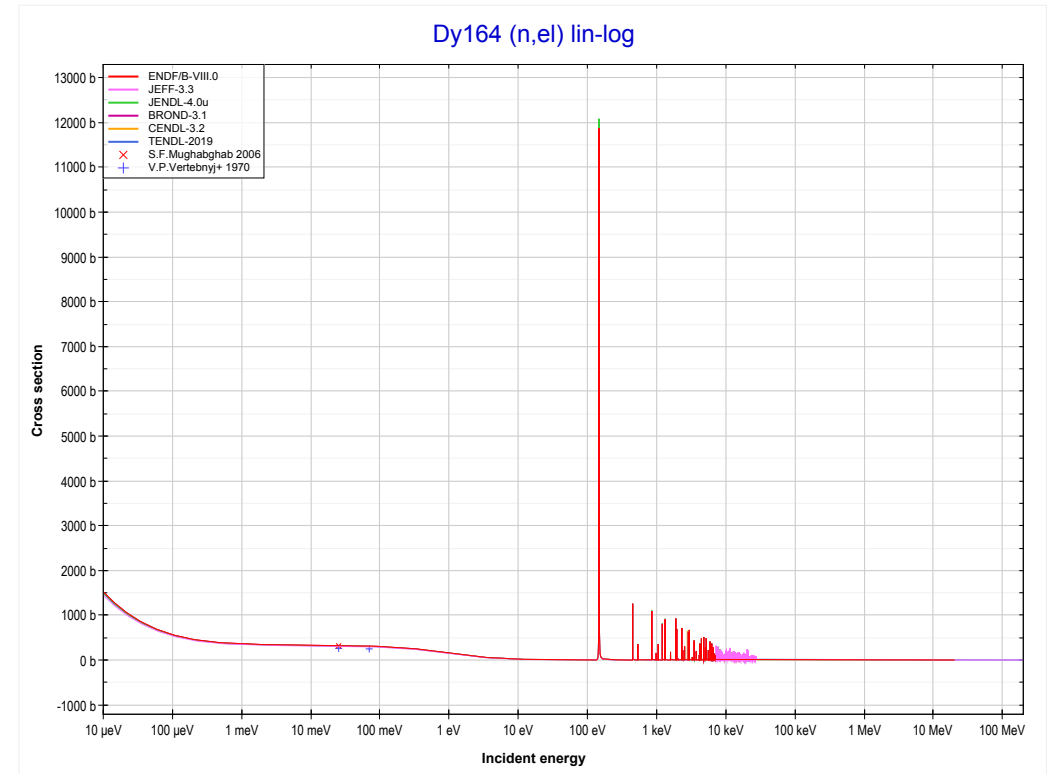
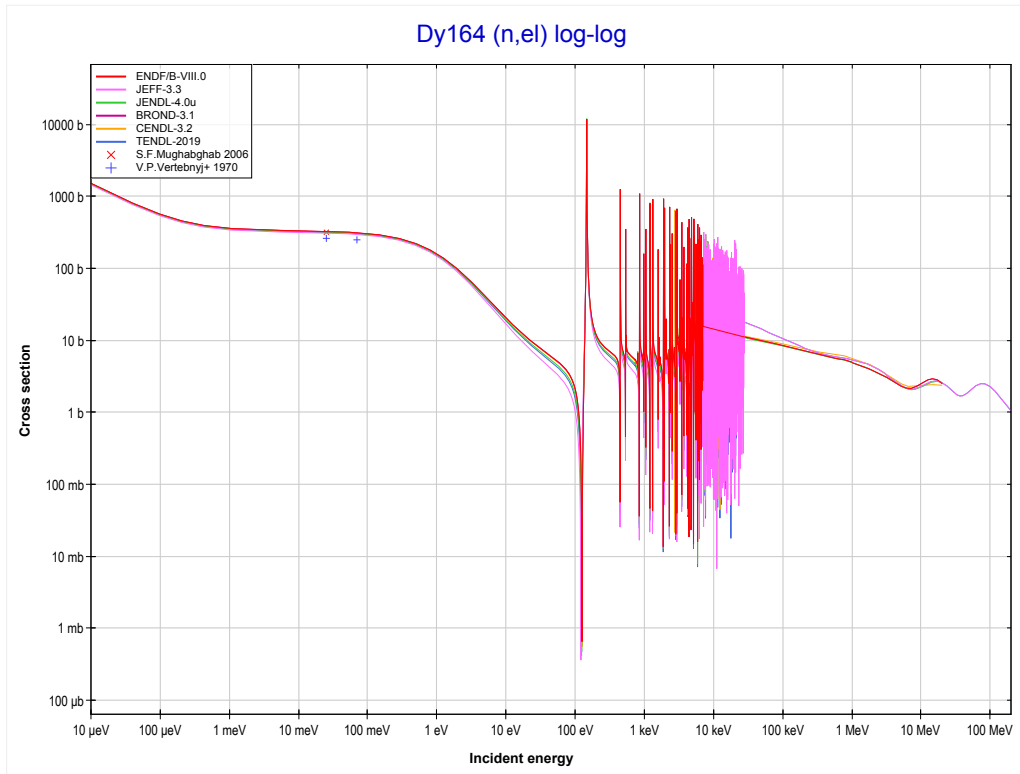
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2E-5 b | 1.9985E-5 b | 2.0034E-5 b | 1.00246 | 2.14714E-4 b | 1.15694E-6 b | 0.00122703 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.25294E-8 b | 1.27782E-6 b | 0.00162091 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.25294E-8 b | 1.27782E-6 b | 0.00162091 b |
| JENDL-4.0u | 4.79618E-6 b | 4.79618E-6 b | 4.7982E-6 b | 1.00042 | 3.96903E-5 b | 1.26986E-6 b | 0.00126329 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.25294E-8 b | 1.27782E-6 b | 0.00162091 b |
| TENDL-2019 | 2.00061E-5 b | 2.00061E-5 b | 1.9994E-5 b | 0.9994 | 5.29564E-6 b | 9.99075E-7 b | 0.00142562 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 66-Dy-163 | 66-Dy-164 | 67-Ho-165 >> |
| << 66-Dy-163 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



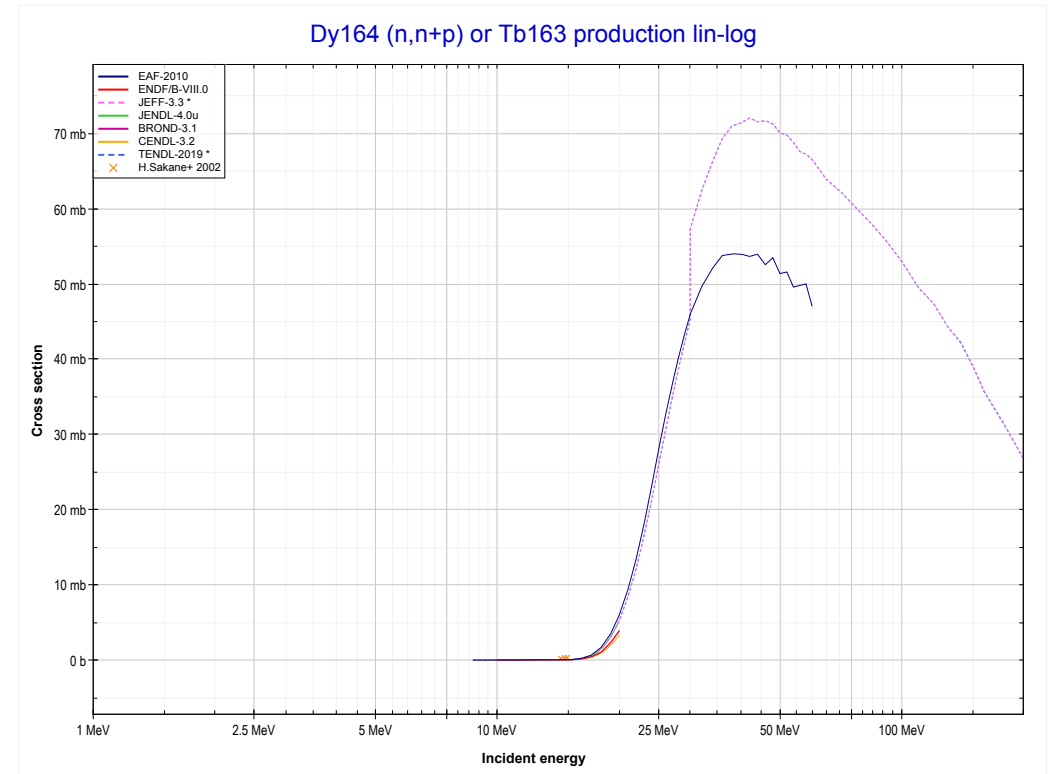
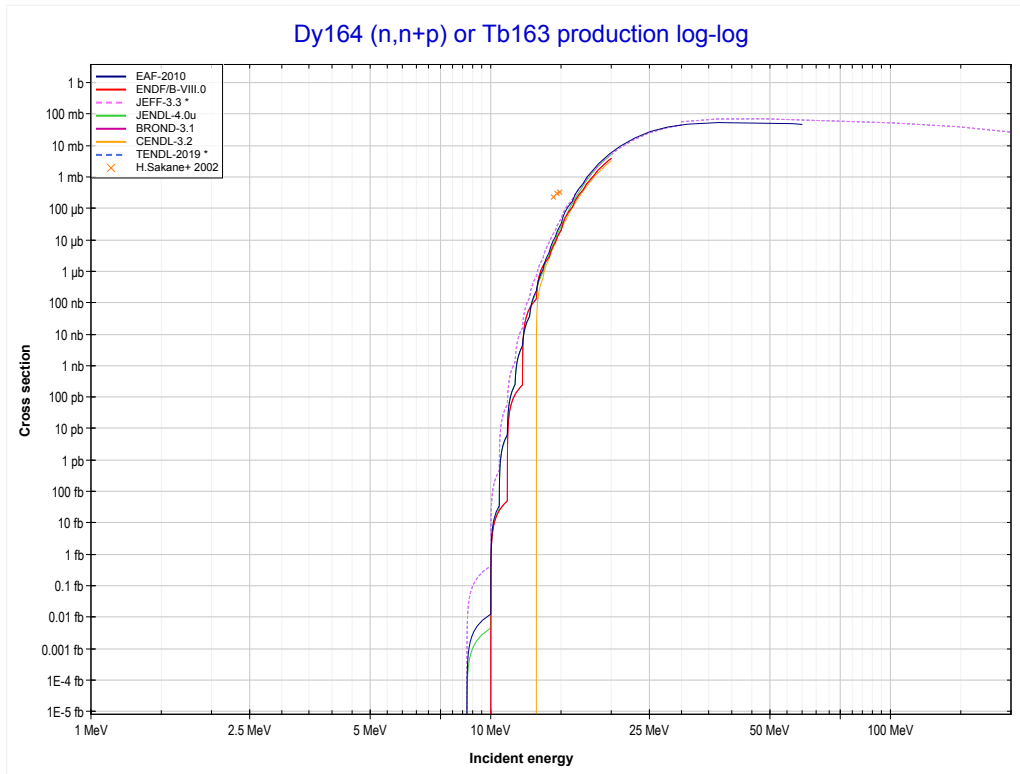
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2981.6 b | 2981.6 b | 2983.8 b | 1.00074 | 890.817 b | 6.88756 b | 5.41701 b |
| JEFF-3.3 | 2962.15 b | 2962.15 b | 2962.2 b | 1.00002 | 861.574 b | 7.18572 b | 5.31919 b |
| JENDL-4.0u | 2974.03 b | 2974.03 b | 2975.6 b | 1.00054 | 876.258 b | 6.91034 b | 5.23804 b |
| BROND-3.1 | 2981.6 b | 2981.6 b | 2983.8 b | 1.00074 | 890.817 b | 6.88756 b | 5.41701 b |
| CENDL-3.2 | 2977.1 b | 2977.1 b | 2978.2 b | 1.00036 | 885.338 b | 7.15713 b | 5.23657 b |
| TENDL-2019 | 2969.72 b | 2969.72 b | 2970 b | 1.0001 | 874.875 b | 7.18233 b | 5.31919 b |

| | | |
|------------------|------------------------|-----------------|
| << 66-Dy-163 | 66-Dy-164 | 67-Ho-165 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



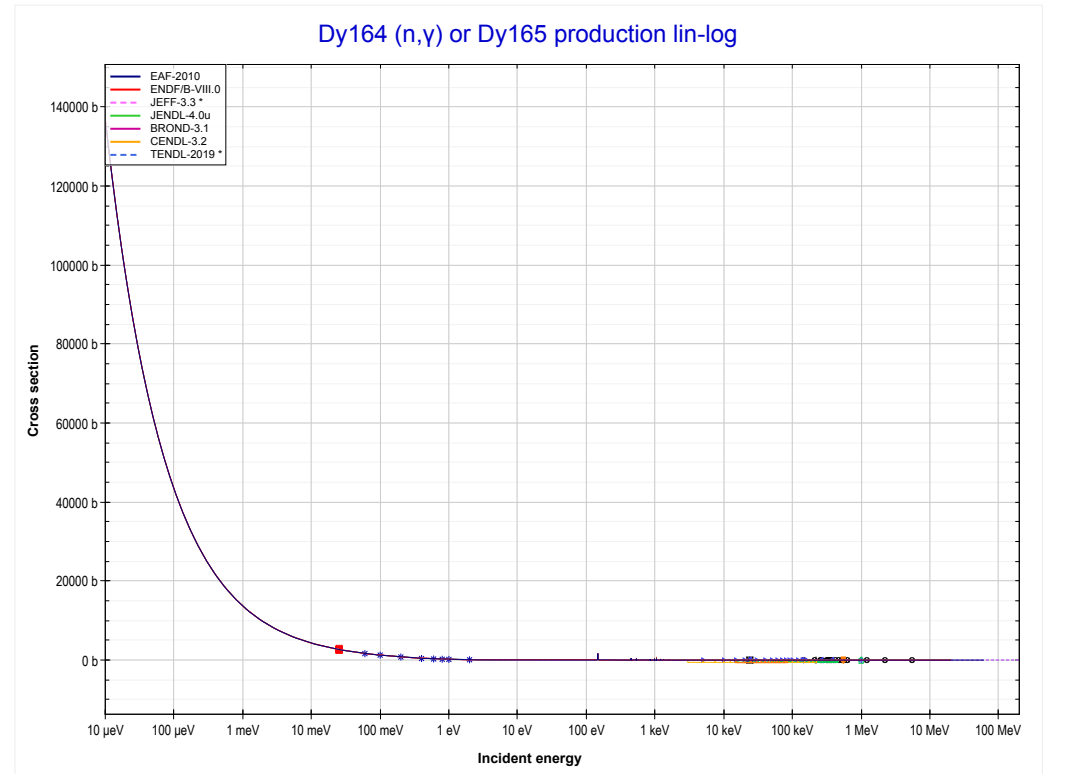
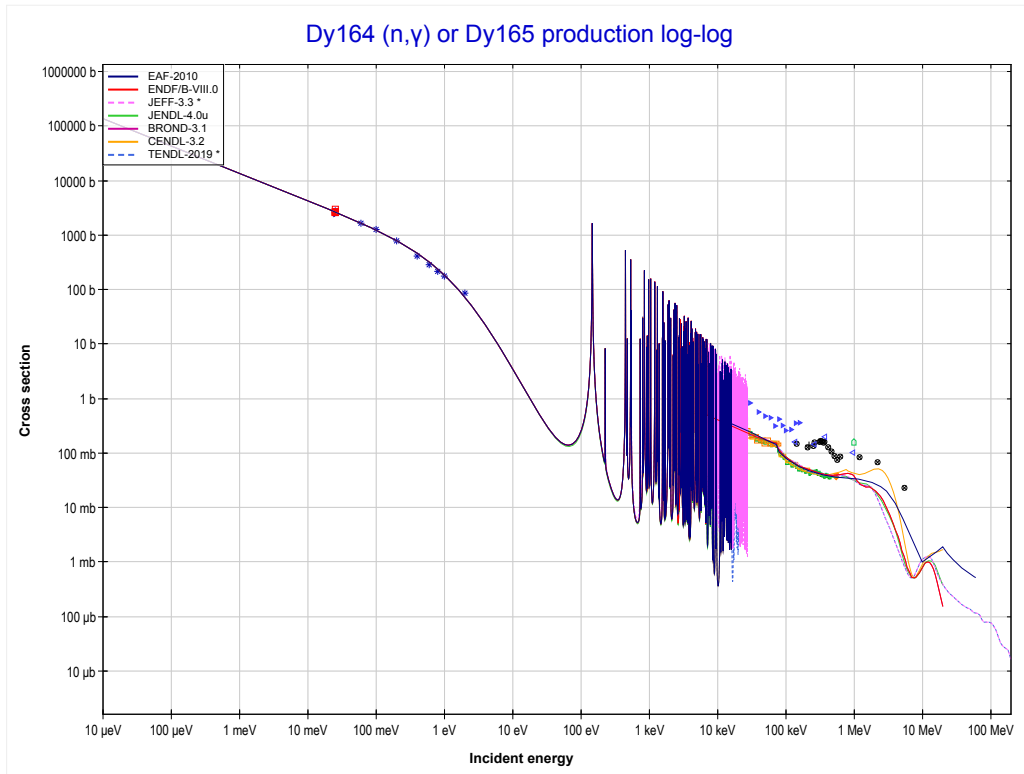
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 328.345 b | 328.345 b | 362.23 b | 1.10319 | 547.218 b | 4.36423 b | 2.92596 b |
| JEFF-3.3 | 312.06 b | 312.06 b | 344.07 b | 1.10259 | 518.495 b | 4.81765 b | 2.67638 b |
| JENDL-4.0u | 322.94 b | 322.94 b | 356.21 b | 1.10301 | 534.518 b | 4.35797 b | 2.61693 b |
| BROND-3.1 | 328.345 b | 328.345 b | 362.23 b | 1.10319 | 547.218 b | 4.36423 b | 2.92596 b |
| CENDL-3.2 | 326.9 b | 326.9 b | 360.65 b | 1.10323 | 543.052 b | 4.89274 b | 2.43243 b |
| TENDL-2019 | 320.182 b | 320.182 b | 353.15 b | 1.10297 | 532.757 b | 4.81411 b | 2.67638 b |

| | | |
|--------------------|---|-------------------------|
| << 66-Dy-163 | 66-Dy-164 | 68-Er-170 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Tb163 production) | MT102 (n, γ) >> |



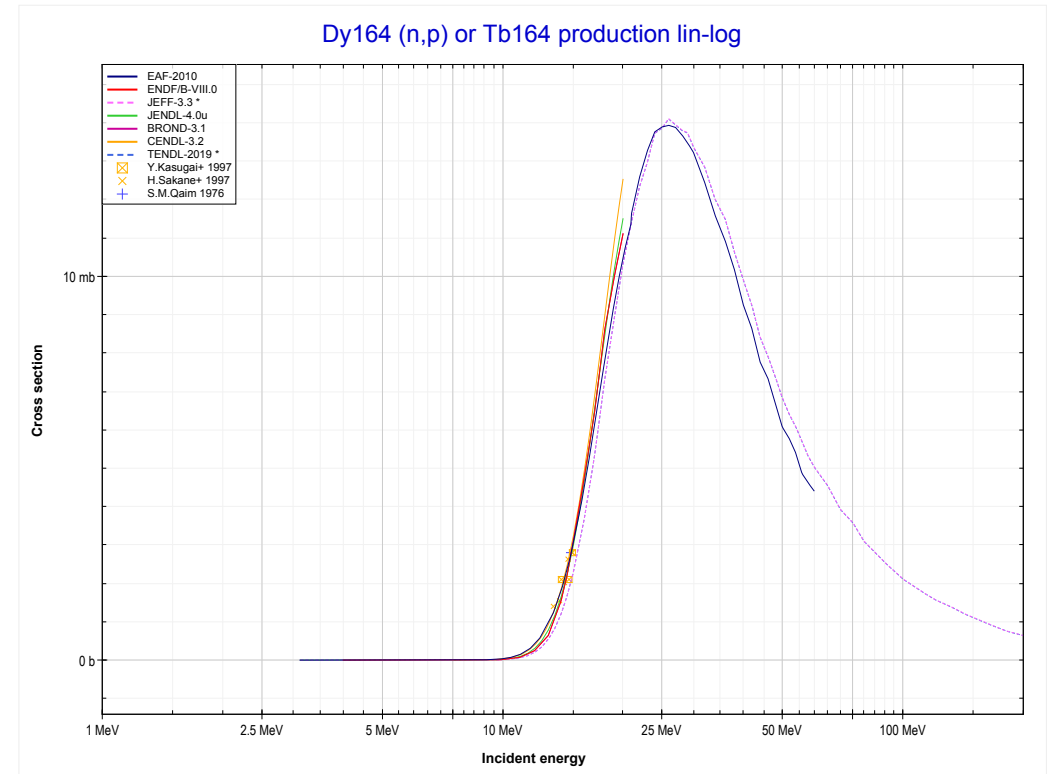
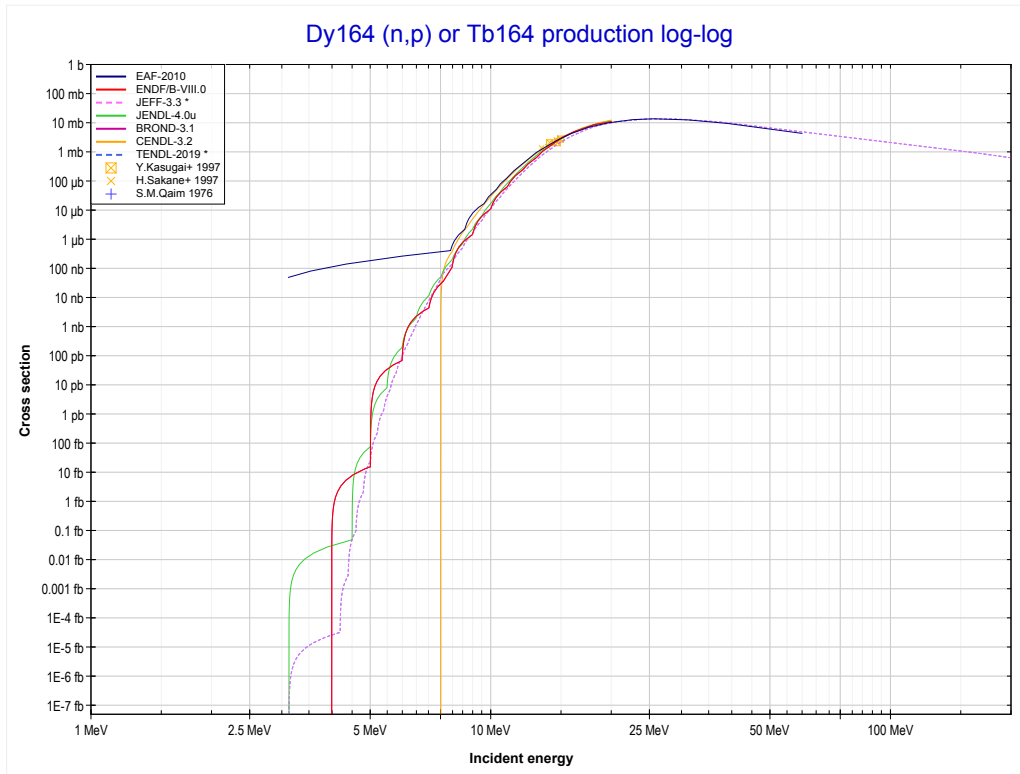
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10727E-8 b | 2.84035E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.10193E-8 b | 8.29372E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.72928E-8 b | 3.22776E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10727E-8 b | 2.84035E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79031E-8 b | 2.5093E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.10478E-8 b | 8.30777E-6 b |

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|-----------------|--|----------------|
| << 66-Dy-163 | 66-Dy-164 | 66-Dy-165 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Dy165 production) | MT103 (n,p) >> |



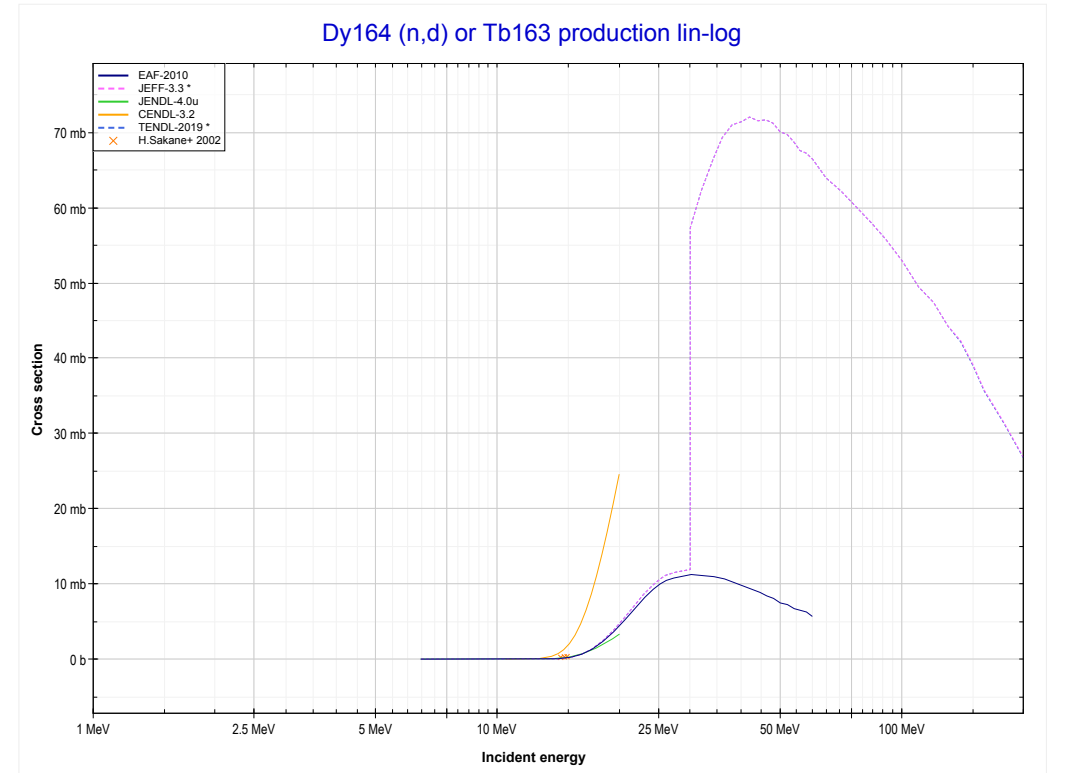
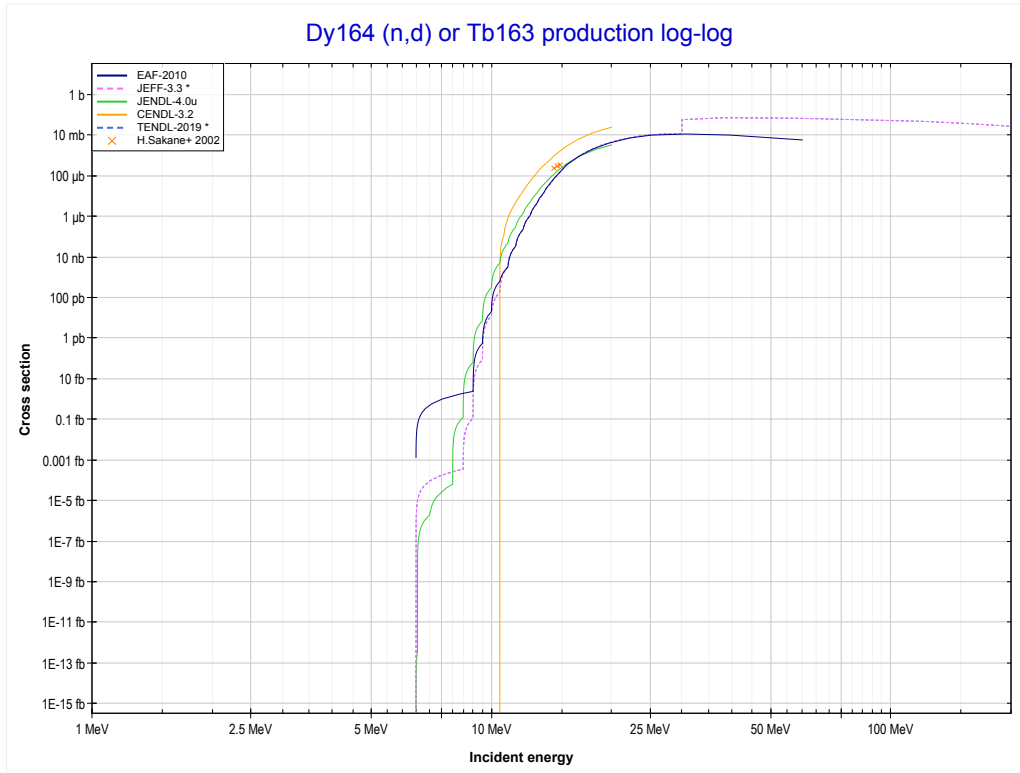
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2650.6 b | 2648.61 b | 2616.3 b | 0.98782 | 342.547 b | 0.0299799 b | 0.00133732 b |
| ENDF/B-VIII.0 | 2653.25 b | 2653.25 b | 2621.6 b | 0.98806 | 343.563 b | 0.0267542 b | 8.44714E-4 b |
| JEFF-3.3 | 2650.09 b | 2650.09 b | 2618.1 b | 0.98795 | 343.047 b | 0.0247913 b | 0.00110068 b |
| JENDL-4.0u | 2651.09 b | 2651.09 b | 2619.4 b | 0.98806 | 341.703 b | 0.0252506 b | 0.00102325 b |
| BROND-3.1 | 2653.25 b | 2653.25 b | 2621.6 b | 0.98806 | 343.563 b | 0.0267542 b | 8.44714E-4 b |
| CENDL-3.2 | 2650.2 b | 2650.2 b | 2617.5 b | 0.98767 | 342.236 b | 0.040658 b | 0.00146458 b |
| TENDL-2019 | 2649.53 b | 2649.53 b | 2616.9 b | 0.98767 | 342.086 b | 0.0241897 b | 0.00110007 b |

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|-------------------------|--|----------------|
| << 66-Dy-163 | 66-Dy-164 | 67-Ho-165 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tb164 production) | MT104 (n,d) >> |



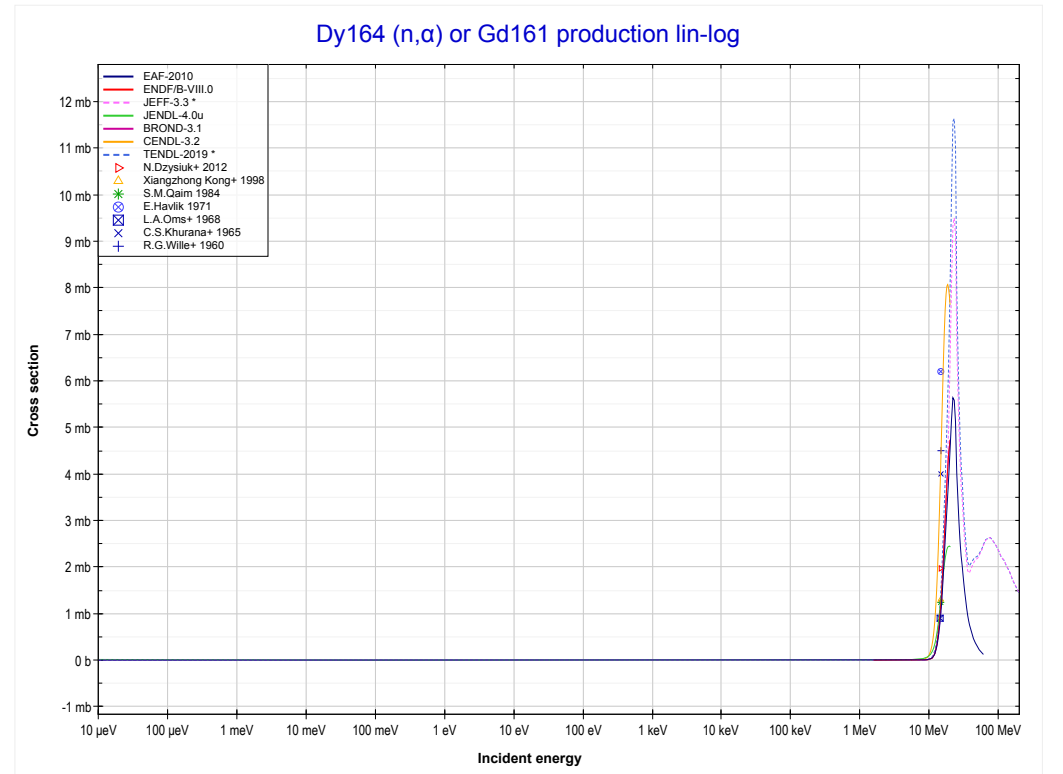
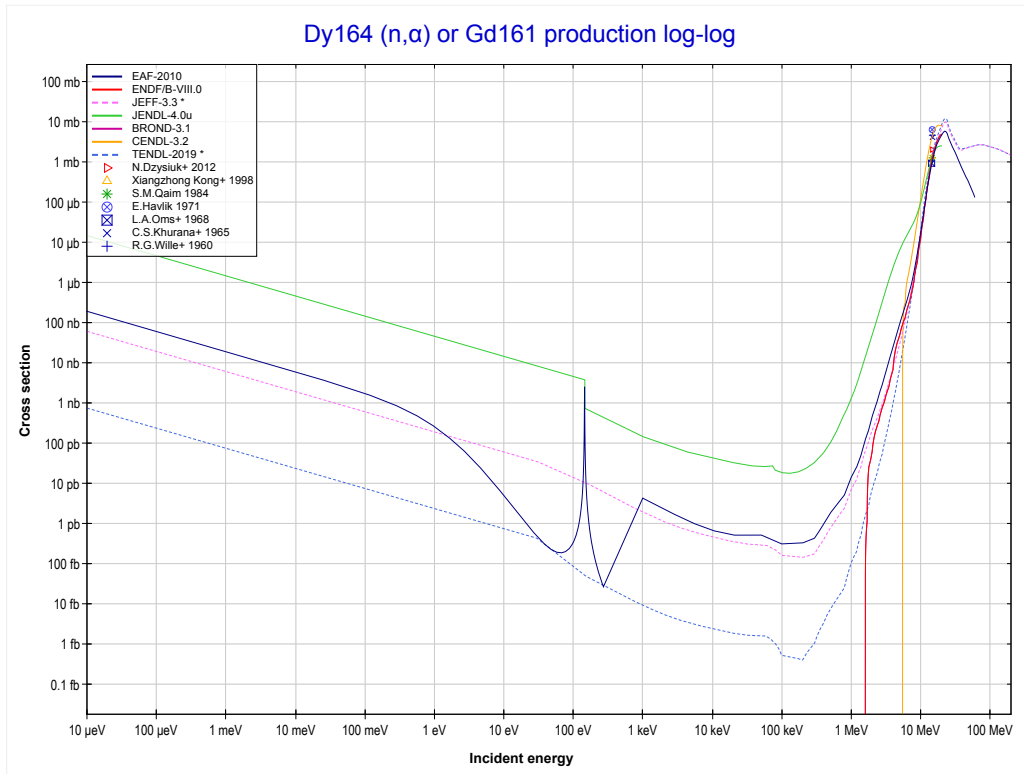
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.91872E-7 b | 0.00180347 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77451E-7 b | 0.00154131 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.12014E-7 b | 0.00119591 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.22777E-7 b | 0.00163725 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77451E-7 b | 0.00154131 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.70659E-7 b | 0.00183764 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.11952E-7 b | 0.00119587 b |

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|----------------|--|-------------------------|
| << 66-Dy-163 | 66-Dy-164 | 68-Er-170 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tb163 production) | MT107 (n, α) >> |



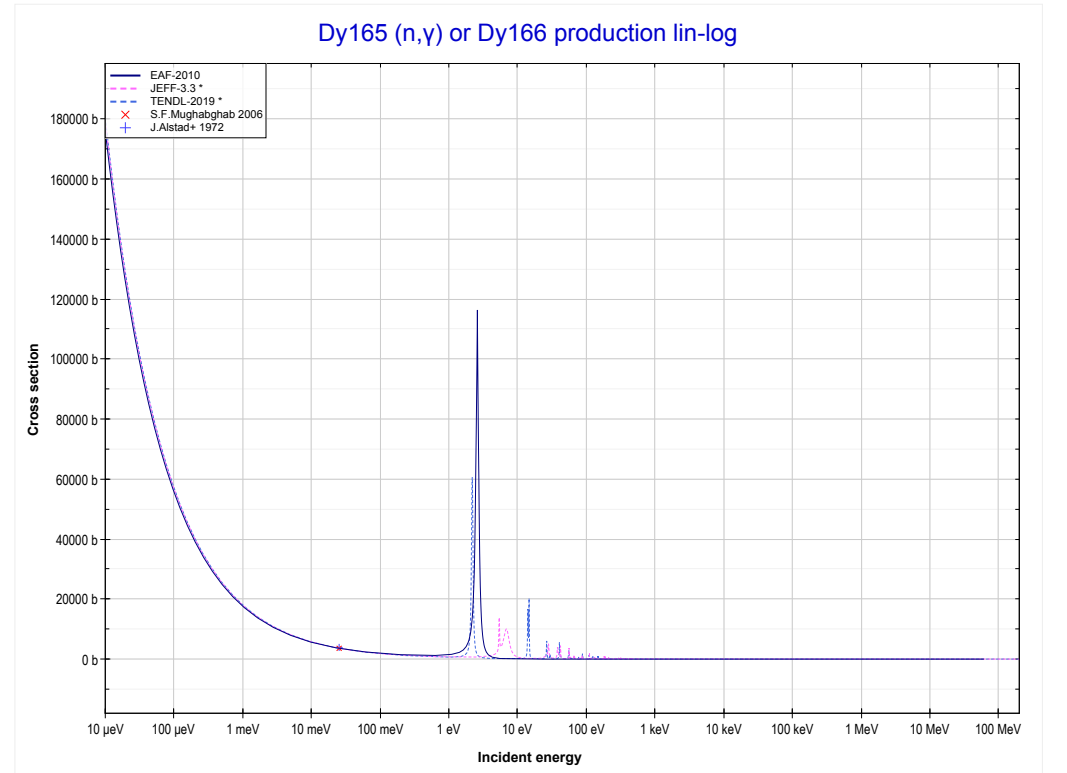
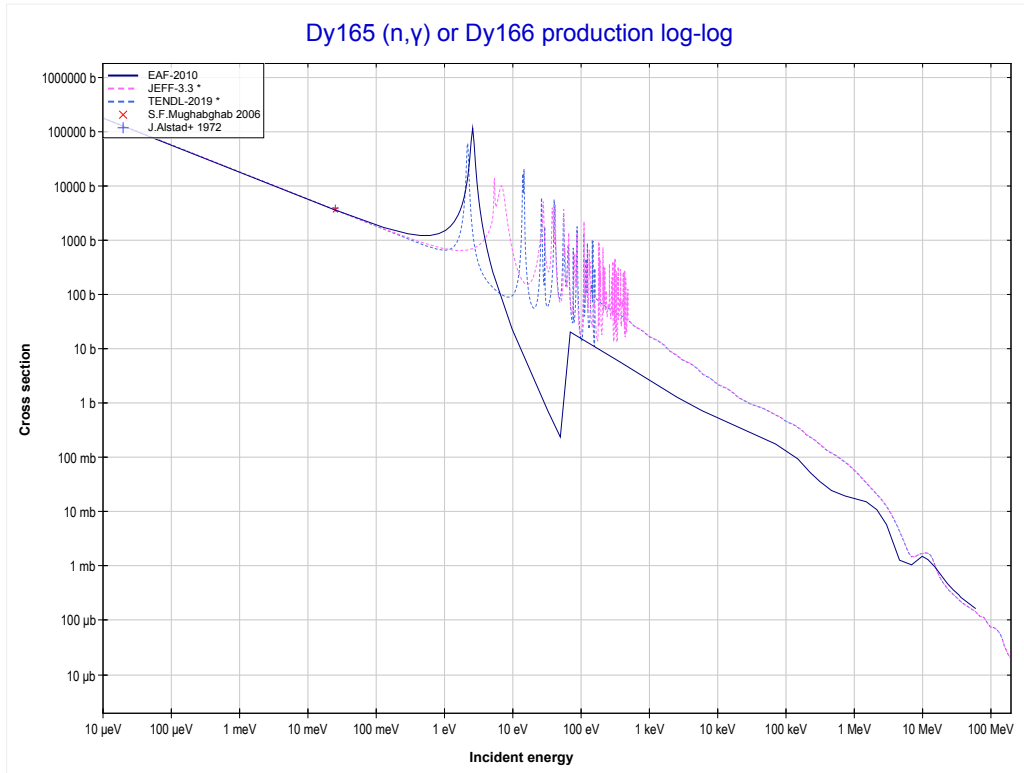
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.69172E-8 b | 3.70724E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79545E-8 b | 3.47736E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.08145E-8 b | 7.3392E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.64629E-7 b | 6.06003E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.79528E-8 b | 3.47735E-5 b |

| | | |
|----------------|--|-----------------------------------|
| << 66-Dy-163 | 66-Dy-164 | 67-Ho-165 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Gd161 production) | 66-Dy-165 MT102 (n, γ) >> |



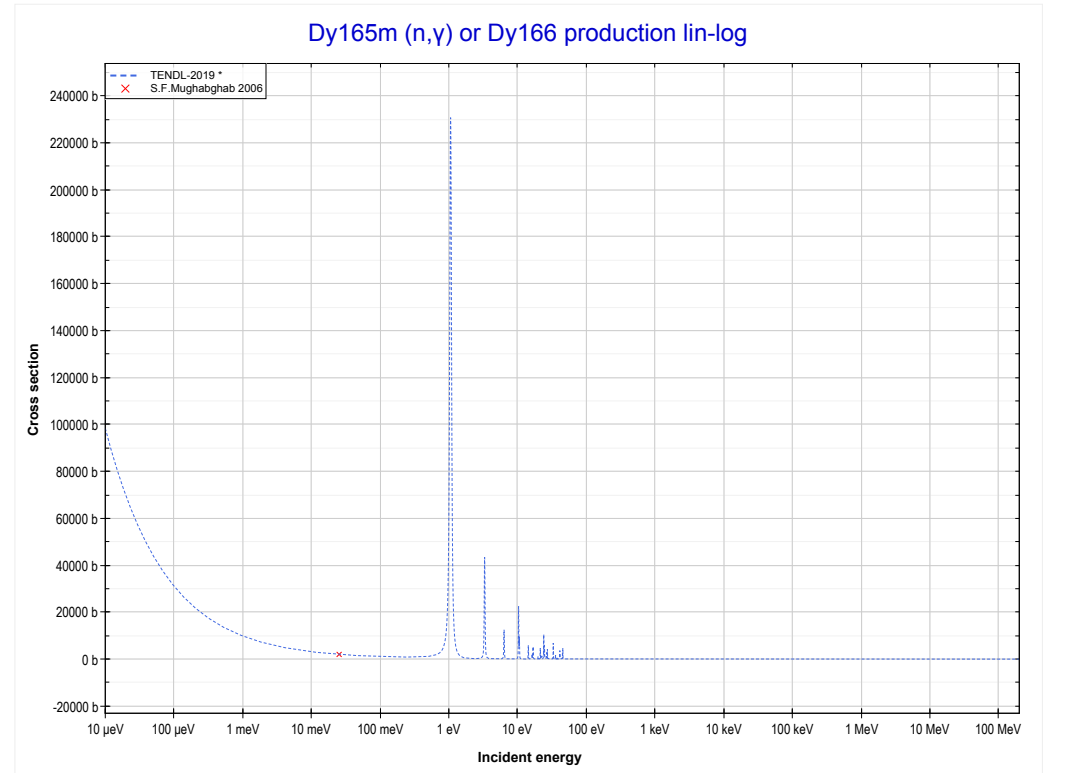
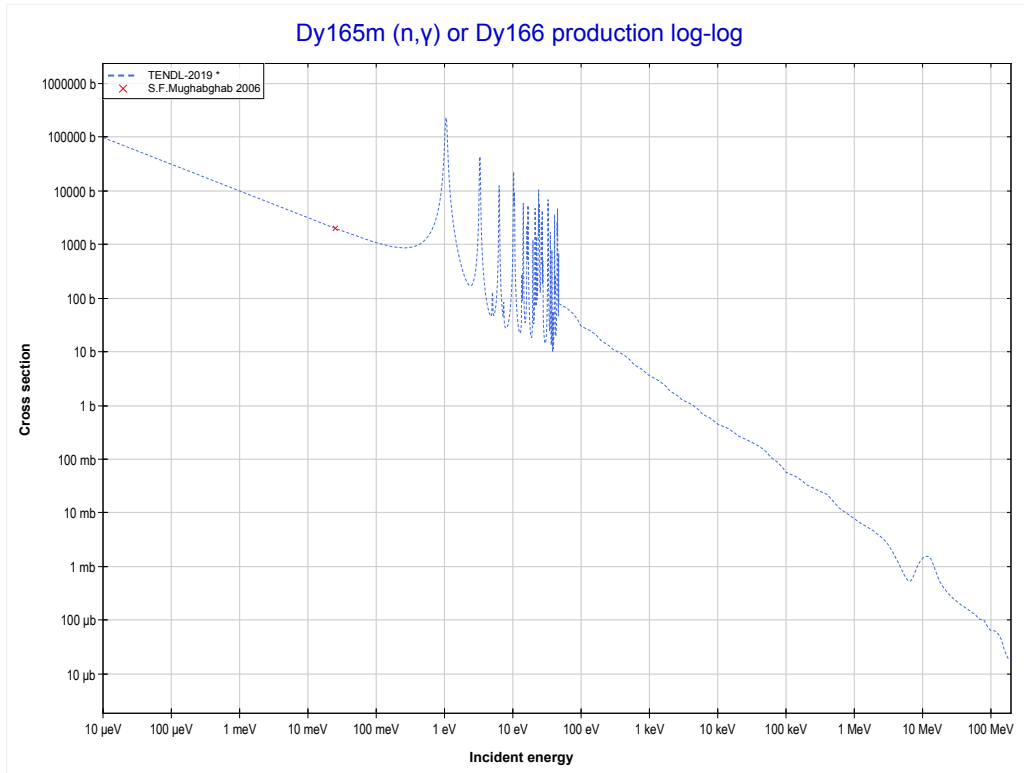
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.6027E-9 b | 3.59986E-9 b | 3.5547E-9 b | 0.98741 | 4.65452E-10 b | 3.9635E-7 b | 6.68237E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.09719E-7 b | 7.72965E-4 b |
| JEFF-3.3 | 1.17447E-9 b | 1.17447E-9 b | 1.1748E-9 b | 1.00026 | 5.04177E-10 b | 3.93307E-7 b | 6.41894E-4 b |
| JENDL-4.0u | 2.83355E-7 b | 2.83355E-7 b | 2.8348E-7 b | 1.00043 | 1.21026E-7 b | 1.96005E-6 b | 9.81858E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.09719E-7 b | 7.72965E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.86154E-6 b | 0.00308513 b |
| TENDL-2019 | 1.4456E-11 b | 1.4456E-11 b | 1.4453E-11 b | 0.99978 | 6.00204E-12 b | 5.42069E-7 b | 9.72932E-4 b |

| | | |
|-----------------------------------|--|------------------------------------|
| << 66-Dy-164 | 66-Dy-165 | 66-Dy-165m >> |
| << 66-Dy-164 MT107 (n, α) | MT102 (n,γ) or MT5 (Dy166 production) | 66-Dy-165m MT102 (n, γ) >> |



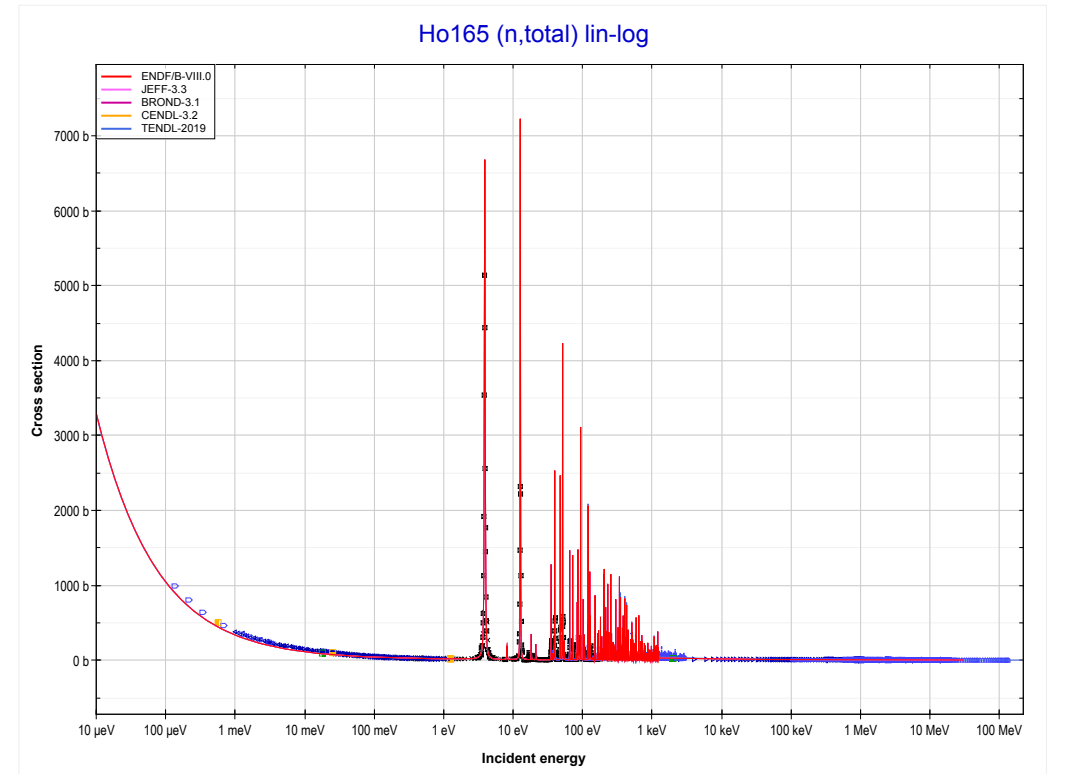
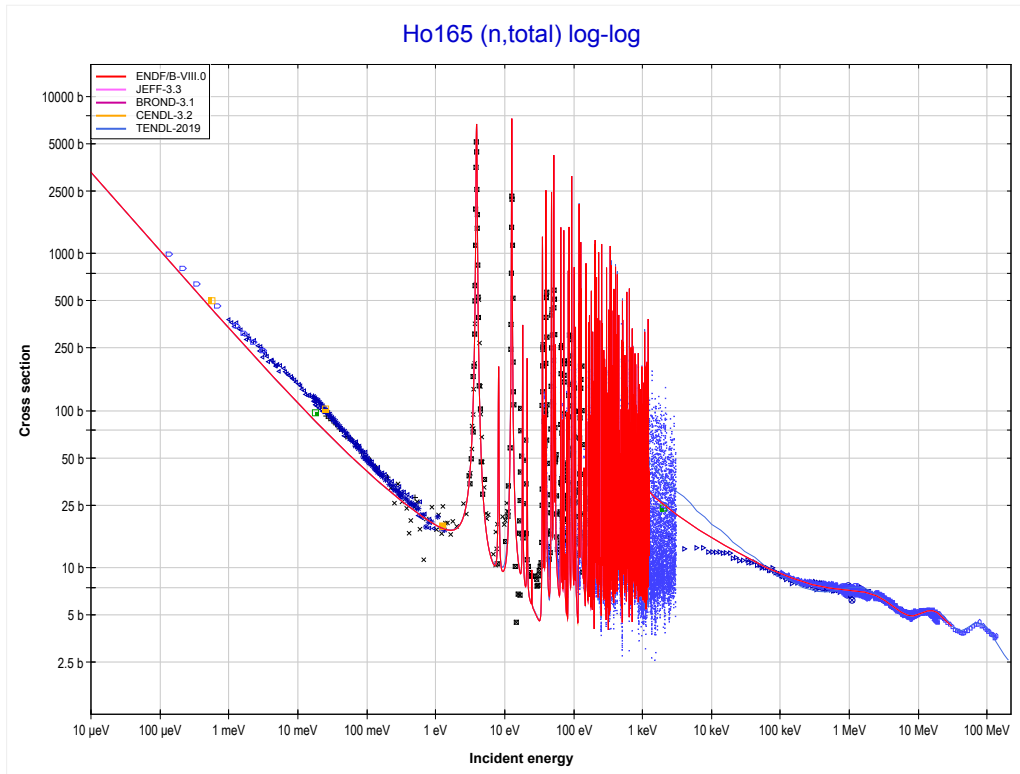
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3573.42 b | 3570.82 b | 3612.3 b | 1.01163 | 20181.2 b | 0.0190471 b | 0.0011 b |
| JEFF-3.3 | 3581.63 b | 3581.63 b | 3590.9 b | 1.0026 | 6717.17 b | 0.0688158 b | 0.00141063 b |
| TENDL-2019 | 3582.51 b | 3582.51 b | 3580.8 b | 0.99953 | 8551.44 b | 0.0675833 b | 0.00140974 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 66-Dy-165 | 66-Dy-165m | 67-Ho-165 >> |
| << 66-Dy-165 MT102 (n, γ) | MT102 (n,γ) or MT5 (Dy166 production) | 67-Ho-165 MT1 (n,total) >> |



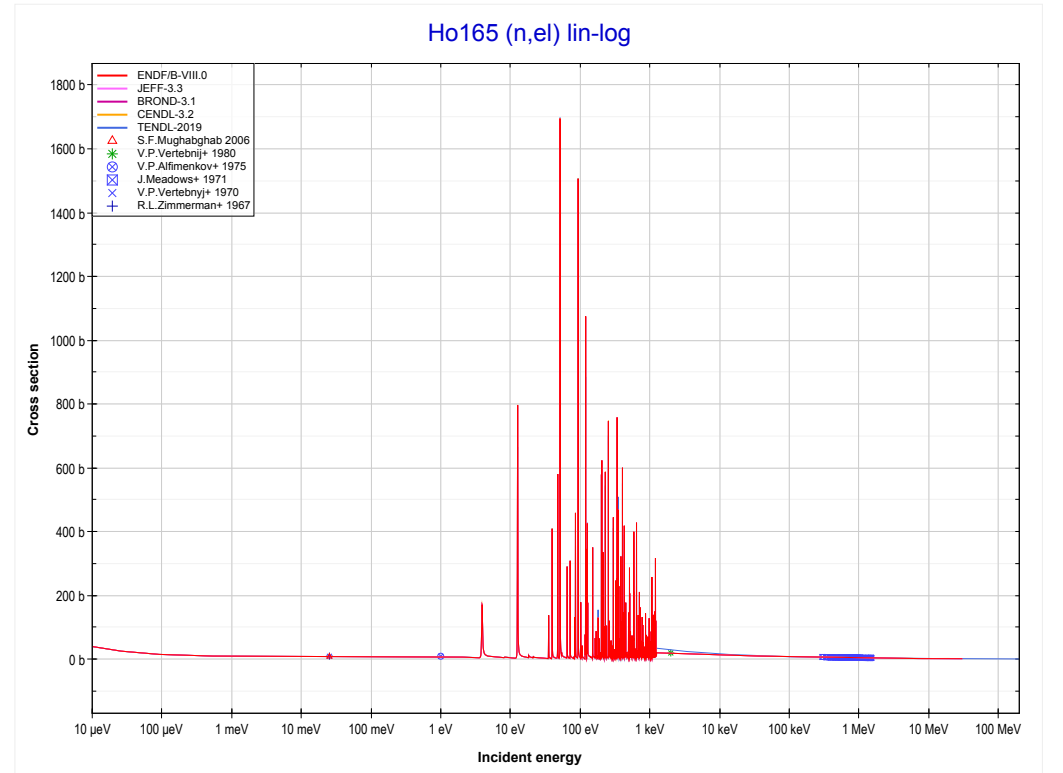
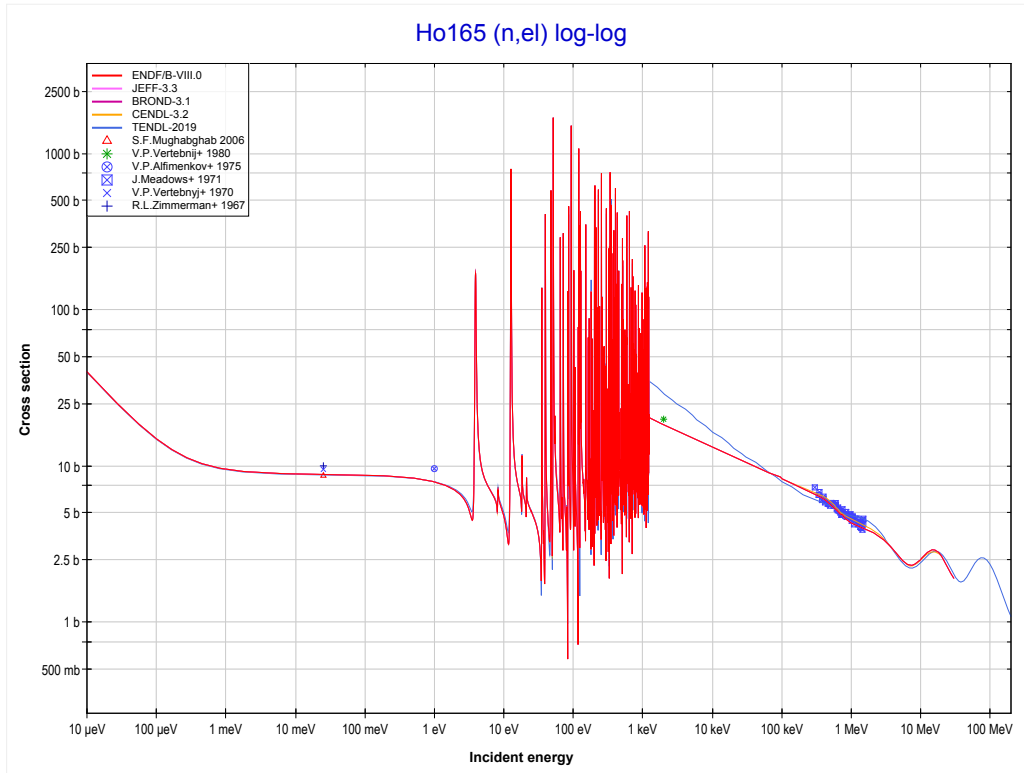
| Reaction | Q-Value |
|---------------------------|-------------|
| Dy165m(n, γ)Dy166 | 7151.72 keV |

| | | |
|------------------------------------|----------------------|--------------------|
| << 66-Dy-164 | 67-Ho-165 | 68-Er-162 >> |
| << 66-Dy-165m MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



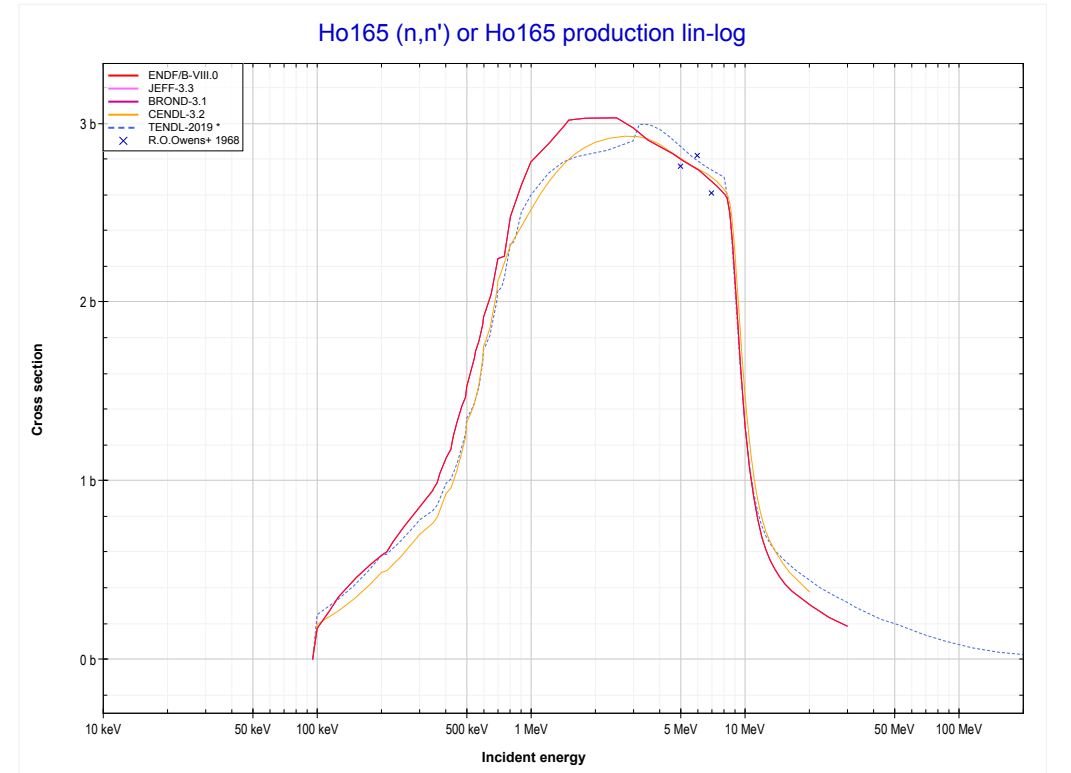
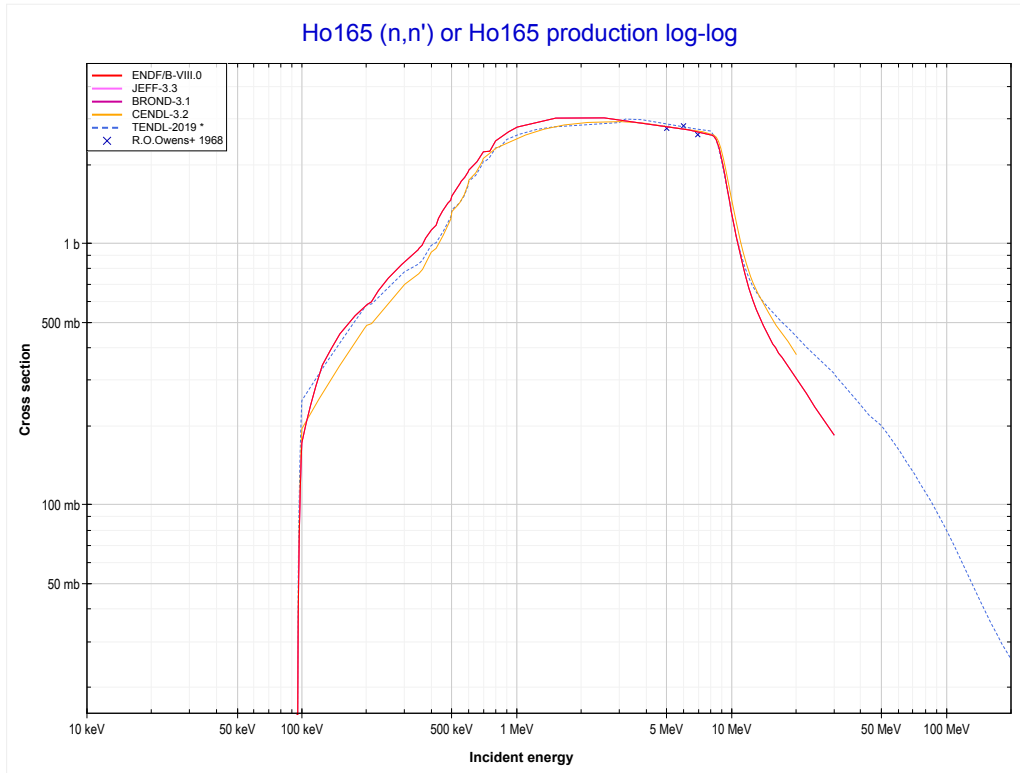
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 73.5142 b | 73.5142 b | 74.618 b | 1.01501 | 909.917 b | 6.88276 b | 5.33125 b |
| JEFF-3.3 | 73.5142 b | 73.5142 b | 74.618 b | 1.01501 | 909.917 b | 6.88276 b | 5.33125 b |
| BROND-3.1 | 73.5142 b | 73.5142 b | 74.618 b | 1.01501 | 909.917 b | 6.88276 b | 5.33125 b |
| CENDL-3.2 | 73.5031 b | 73.5031 b | 74.582 b | 1.01468 | 909.705 b | 6.88373 b | 5.33125 b |
| TENDL-2019 | 73.1107 b | 73.1107 b | 74.191 b | 1.01477 | 932.925 b | 6.96978 b | 5.31694 b |

| | | |
|------------------|------------------------|---------------|
| << 66-Dy-164 | 67-Ho-165 | 68-Er-162 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



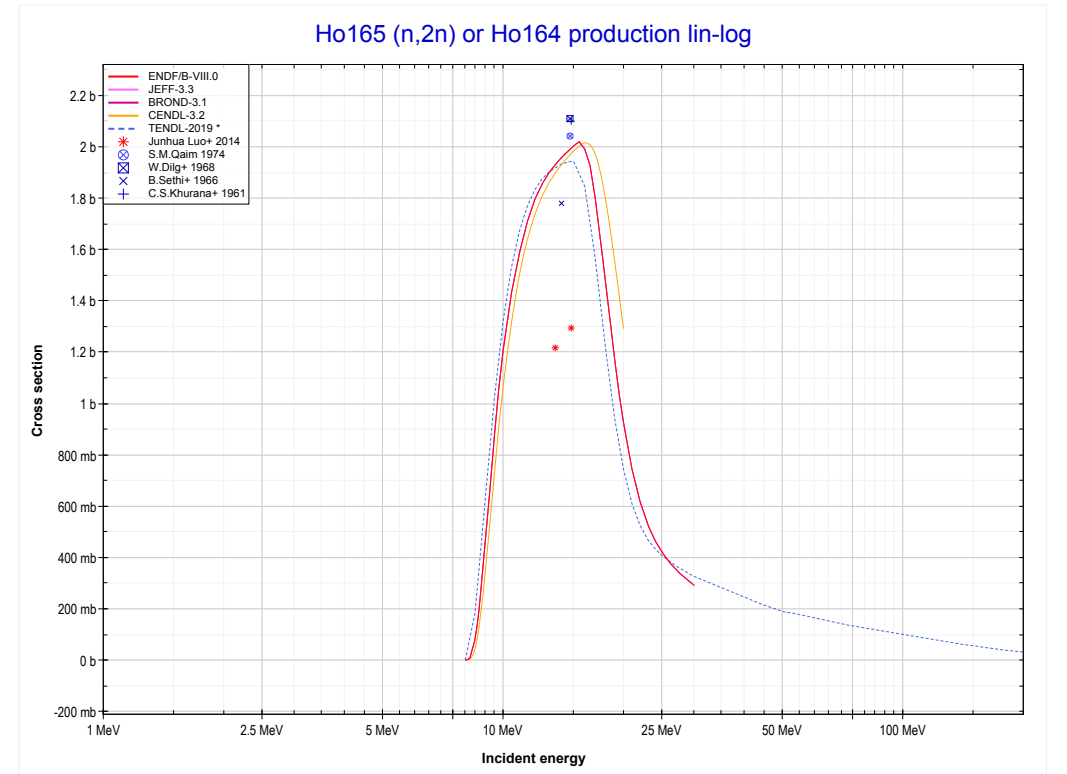
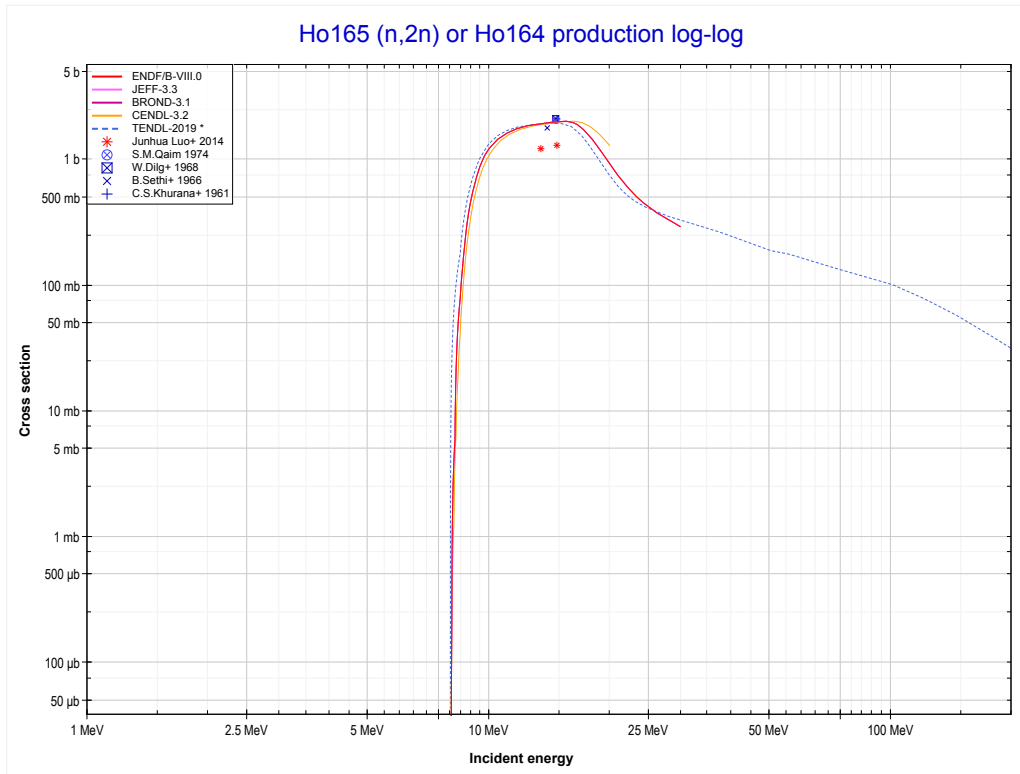
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.82489 b | 8.82489 b | 9.9304 b | 1.12527 | 228.878 b | 4.23309 b | 2.88135 b |
| JEFF-3.3 | 8.82489 b | 8.82489 b | 9.9304 b | 1.12527 | 228.878 b | 4.23309 b | 2.88135 b |
| BROND-3.1 | 8.82489 b | 8.82489 b | 9.9304 b | 1.12527 | 228.878 b | 4.23309 b | 2.88135 b |
| CENDL-3.2 | 8.82489 b | 8.82489 b | 9.931 b | 1.12534 | 228.892 b | 4.36358 b | 2.79931 b |
| TENDL-2019 | 8.75818 b | 8.75818 b | 9.8585 b | 1.12563 | 244.307 b | 4.4386 b | 2.77391 b |

| | | |
|--------------------|---|----------------|
| << 59-Pr-141 | 67-Ho-165 | 68-Er-167 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ho165 production) | MT16 (n,2n) >> |



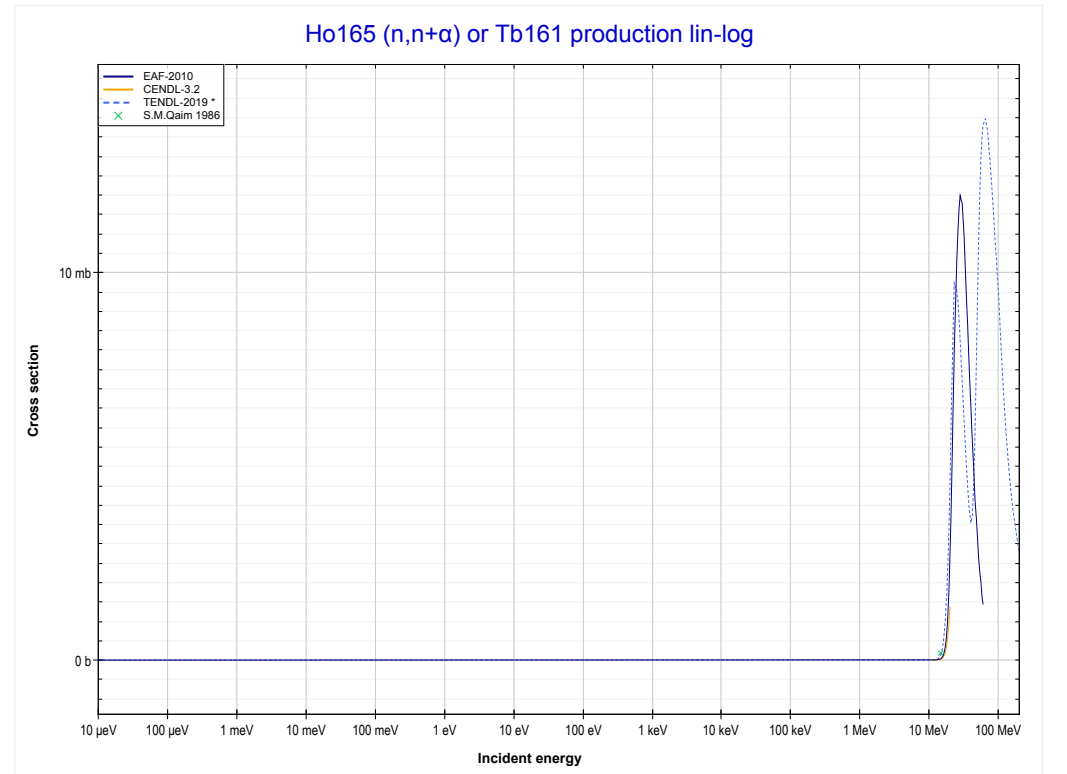
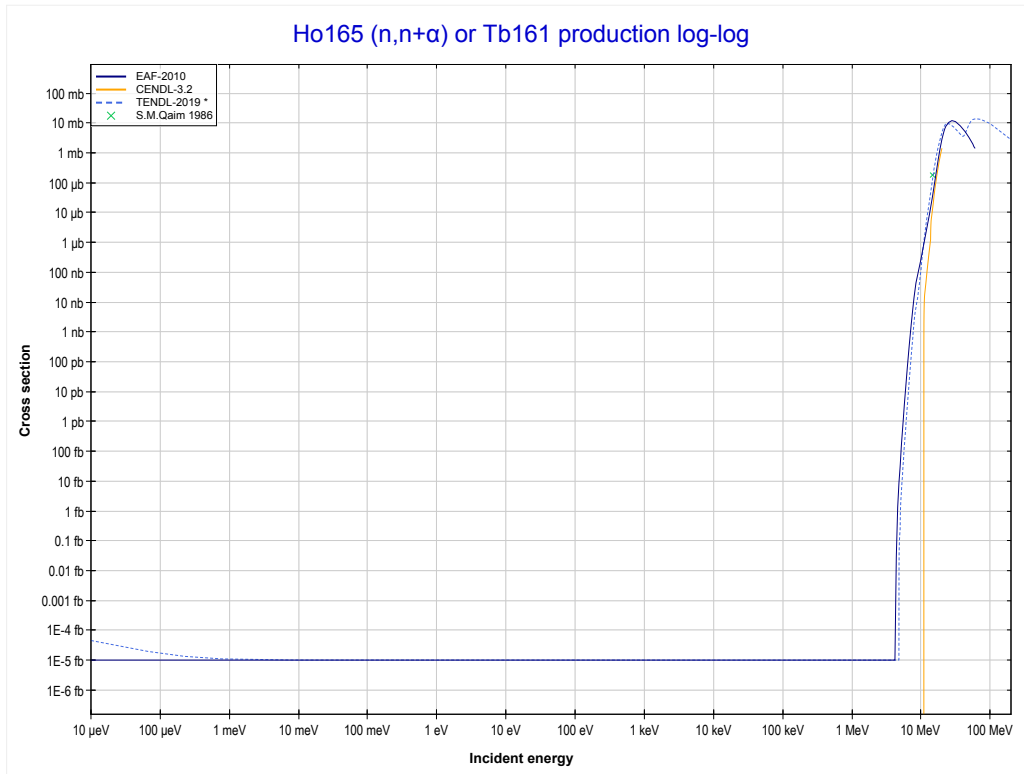
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.00413425 b | 2.52269 b | 0.489326 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.00413425 b | 2.52269 b | 0.489326 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.00413425 b | 2.52269 b | 0.489326 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.00468376 b | 2.39432 b | 0.593726 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.00600987 b | 2.40717 b | 0.599739 b |

| | | |
|---------------|--|-----------------|
| << 66-Dy-160 | 67-Ho-165 | 68-Er-162 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ho164 production) | MT22 (n,n+α) >> |



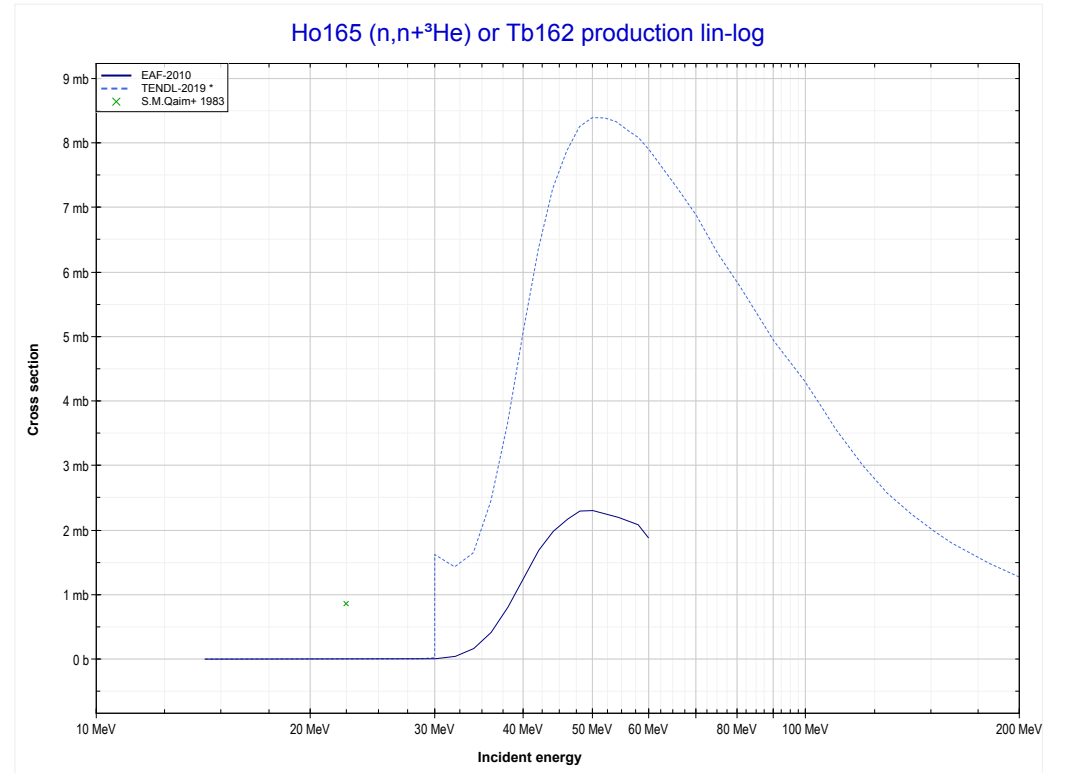
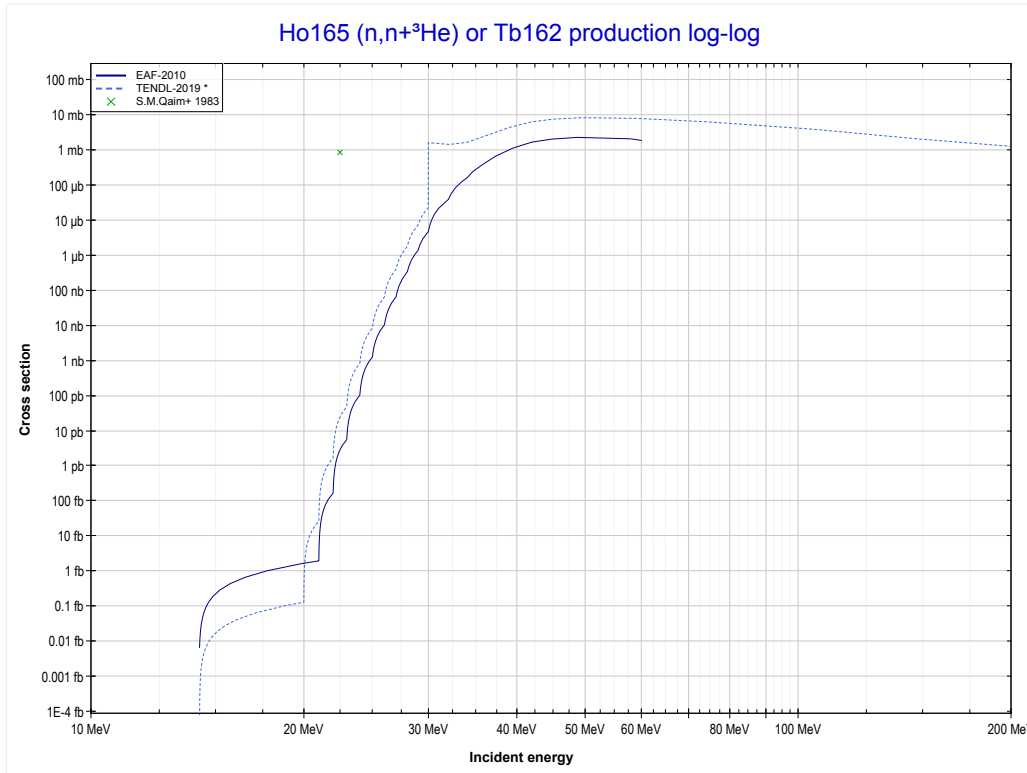
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00516558 b | 1.9593 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00516558 b | 1.9593 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00516558 b | 1.9593 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00458366 b | 1.93135 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00595864 b | 1.93352 b |

| | | |
|----------------|---|--------------------------------|
| << 65-Tb-159 | 67-Ho-165 | 70-Yb-176 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Tb161 production) | MT34 (n,n+ ³ He) >> |



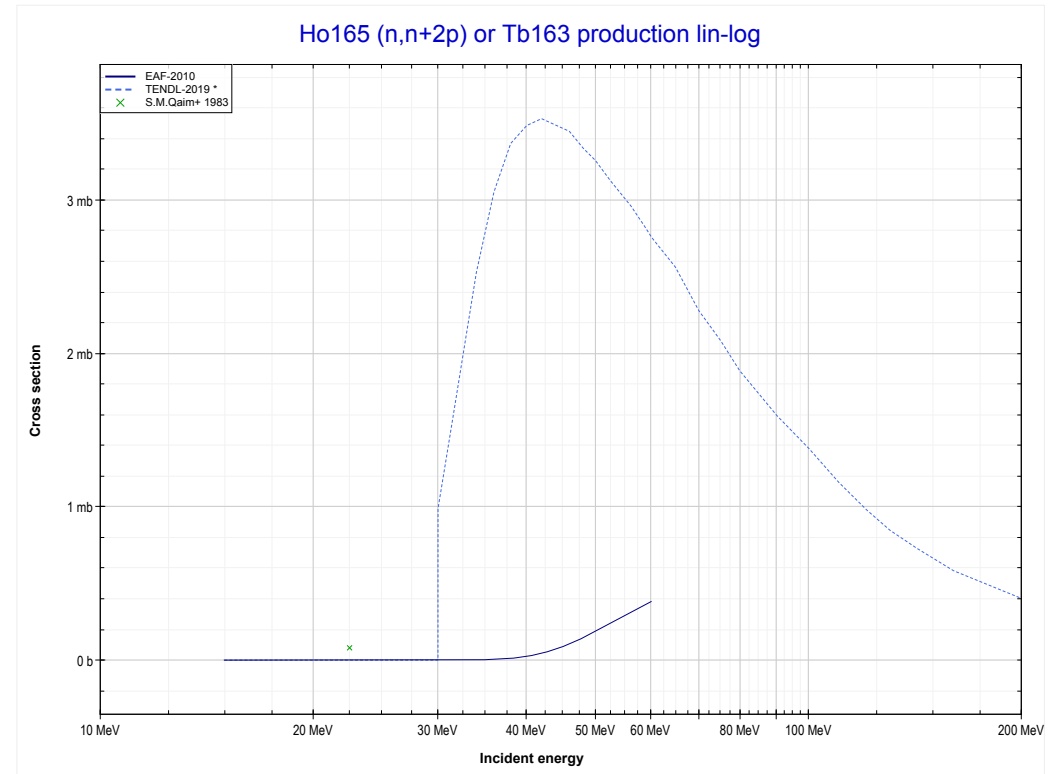
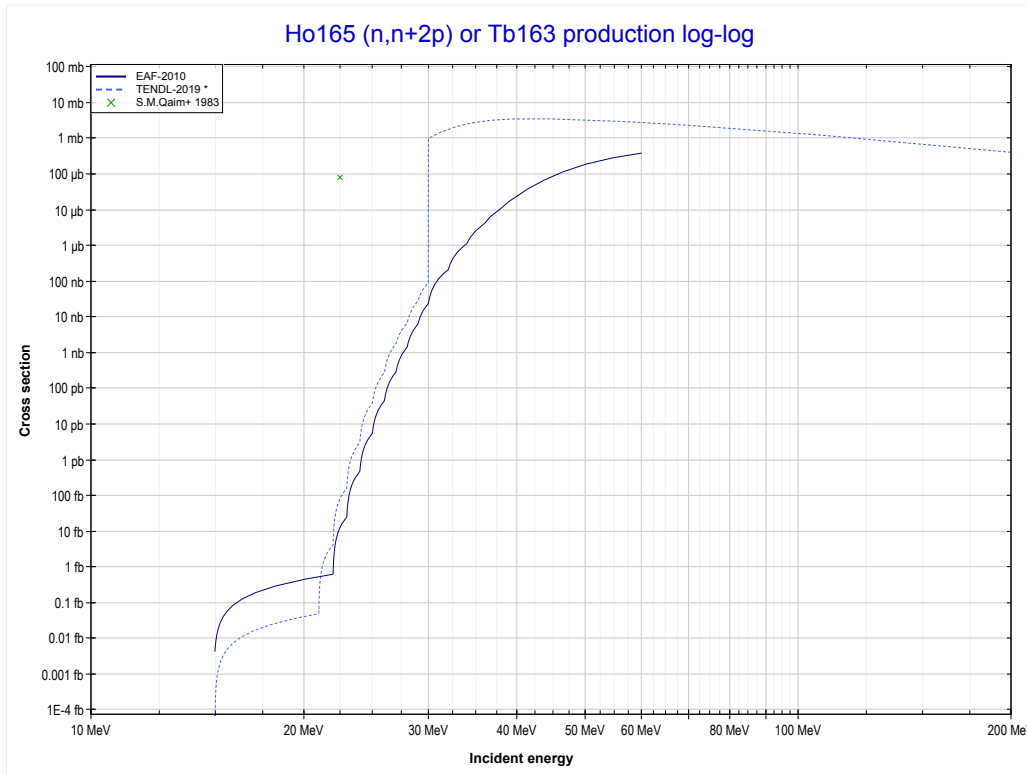
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.44227E-9 b | 5.3994E-6 b |
| TENDL-2019 | 1.0031E-20 b | 1.0031E-20 b | 1.1319E-20 b | 1.12842 | 1.22063E-19 b | 5.71062E-8 b | 5.79435E-5 b |

| | | |
|-----------------|--|------------------|
| << 65-Tb-159 | 67-Ho-165 | 70-Yb-174 >> |
| << MT22 (n,n+α) | MT34 (n,n+³He) or MT5 (Tb162 production) | MT44 (n,n+2p) >> |



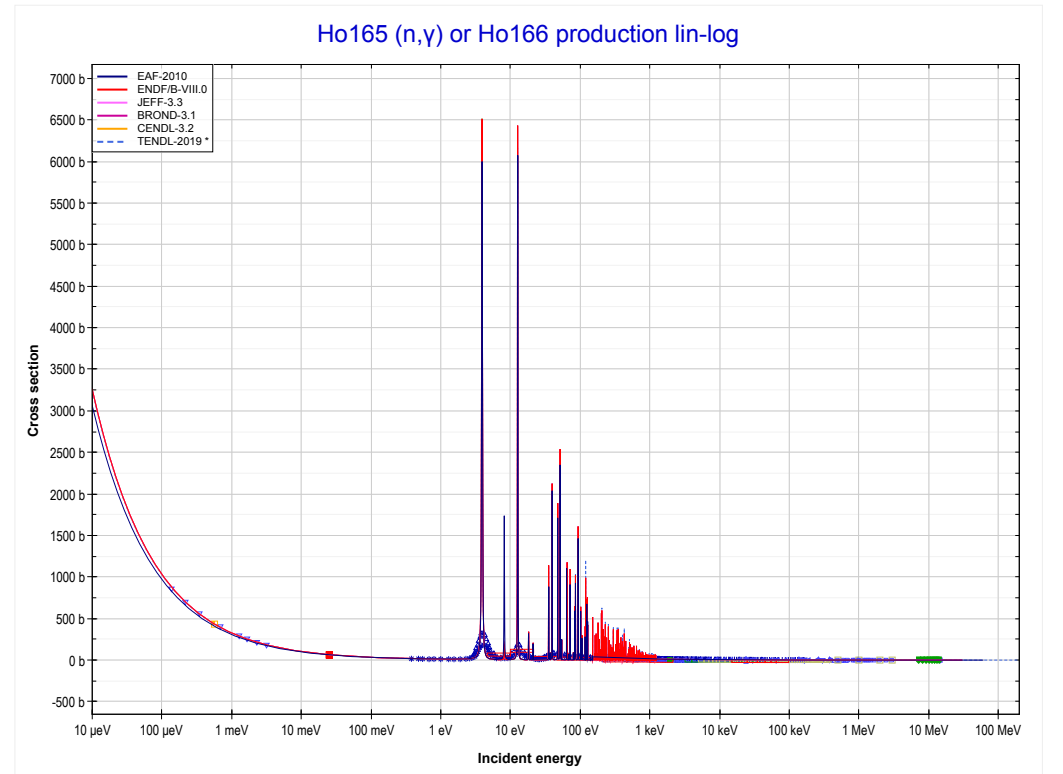
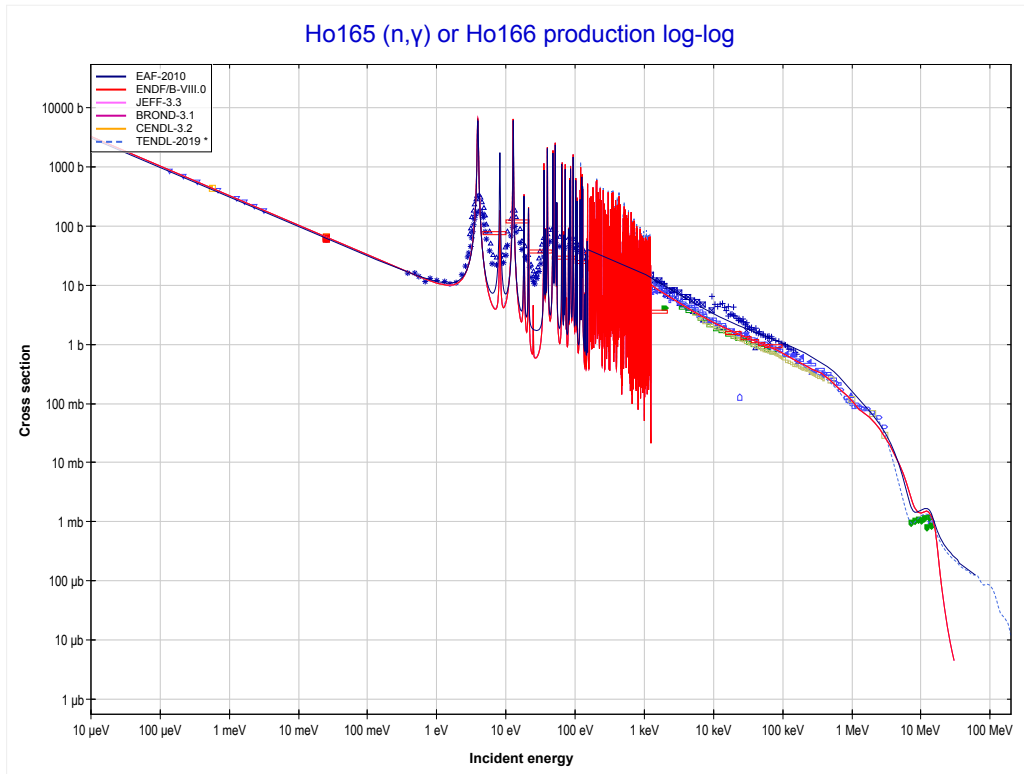
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.88503E-21 b | 0 b |

| | | |
|--------------------------------|--|-------------------------|
| << 60-Nd-146 | 67-Ho-165 | 70-Yb-174 >> |
| << MT34 (n,n+ ³ He) | MT44 (n,n+2p) or MT5 (Tb163 production) | MT102 (n, γ) >> |



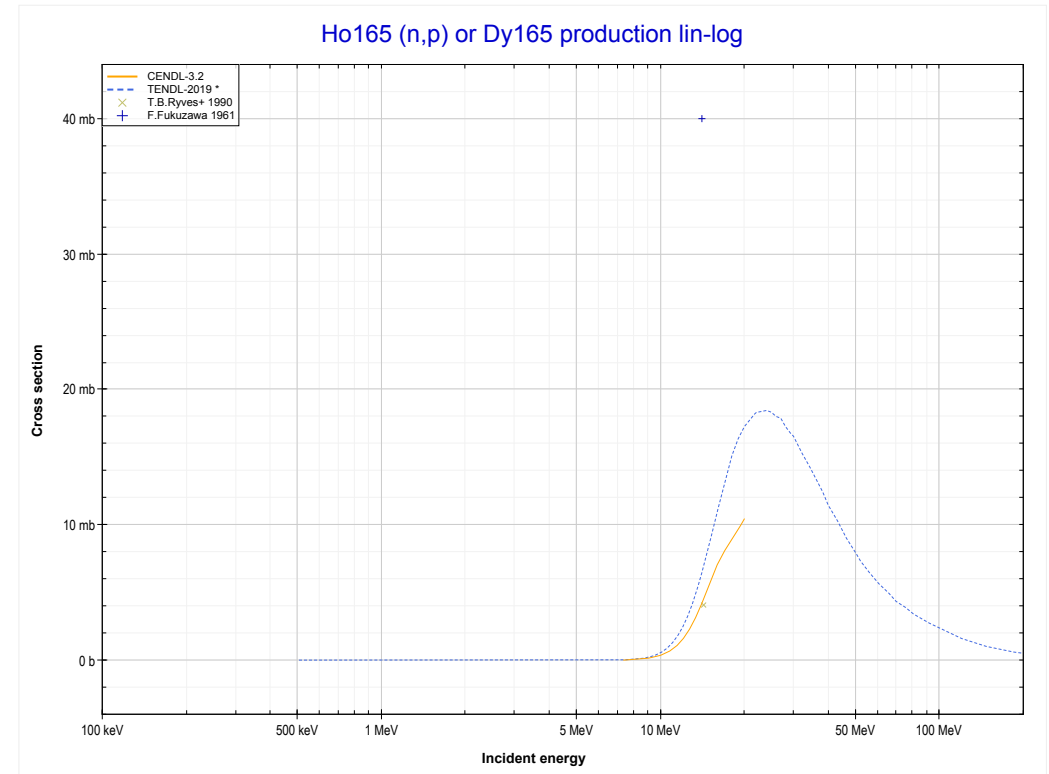
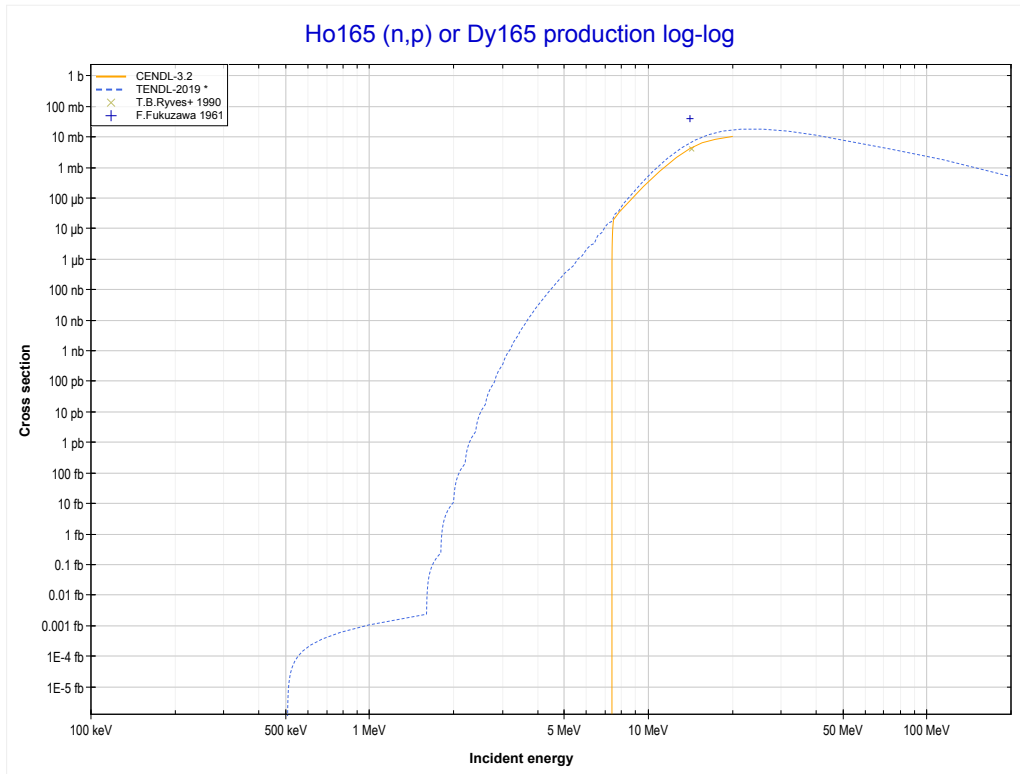
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.92237E-22 b | 0 b |

| | | |
|------------------|--|----------------|
| << 66-Dy-165m | 67-Ho-165 | 67-Ho-166m >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Ho166 production) | MT103 (n,p) >> |



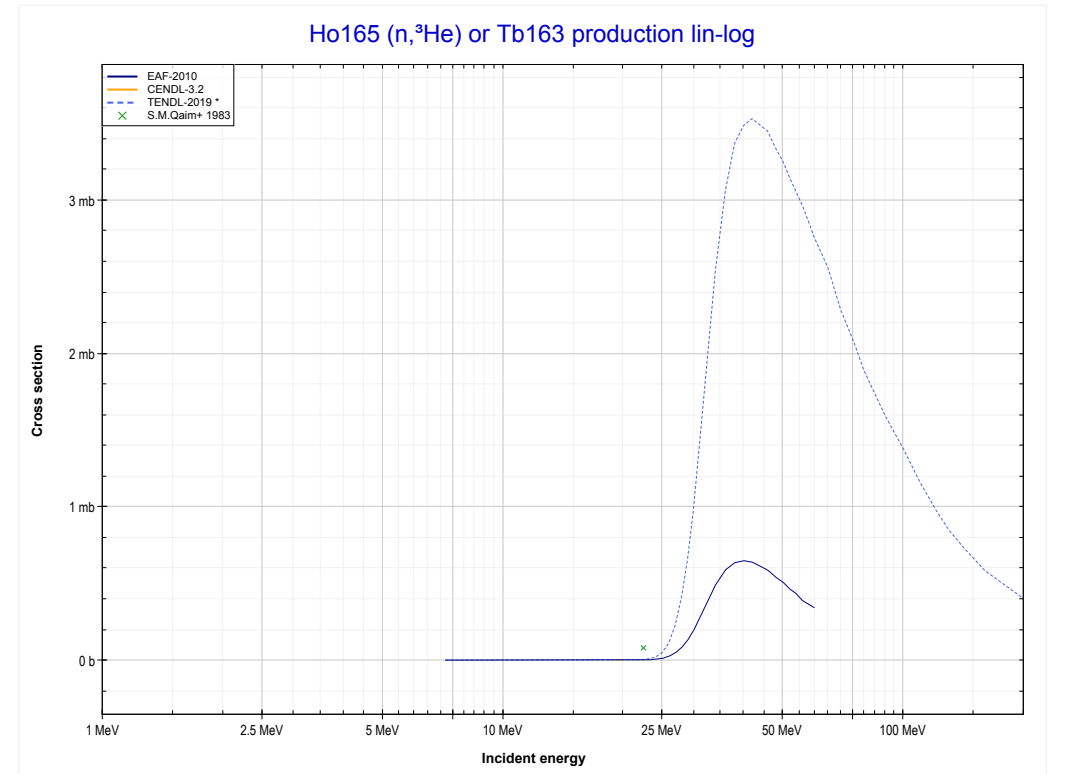
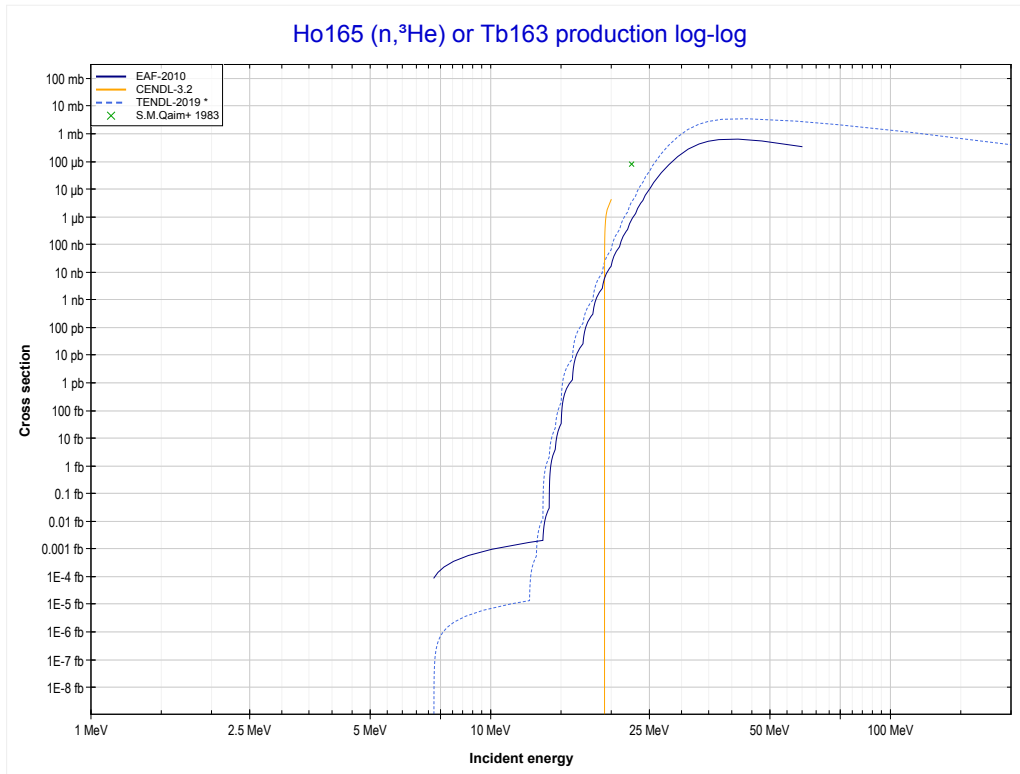
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 61.1 b | 61.0545 b | 61.136 b | 1.00134 | 675.706 b | 0.180152 b | 0.0014249 b |
| ENDF/B-VIII.0 | 64.6893 b | 64.6893 b | 64.687 b | 0.99997 | 681.035 b | 0.121797 b | 0.0012765 b |
| JEFF-3.3 | 64.6893 b | 64.6893 b | 64.687 b | 0.99997 | 681.035 b | 0.121797 b | 0.0012765 b |
| BROND-3.1 | 64.6893 b | 64.6893 b | 64.687 b | 0.99997 | 681.035 b | 0.121797 b | 0.0012765 b |
| CENDL-3.2 | 64.6783 b | 64.6783 b | 64.651 b | 0.99958 | 680.78 b | 0.121725 b | 0.0012765 b |
| TENDL-2019 | 64.3525 b | 64.3525 b | 64.332 b | 0.99968 | 688.595 b | 0.117868 b | 0.00113587 b |

| | | |
|-------------------------|--|------------------------------|
| << 66-Dy-164 | 67-Ho-165 | 68-Er-162 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Dy165 production) | MT106 (n, ^3He) >> |



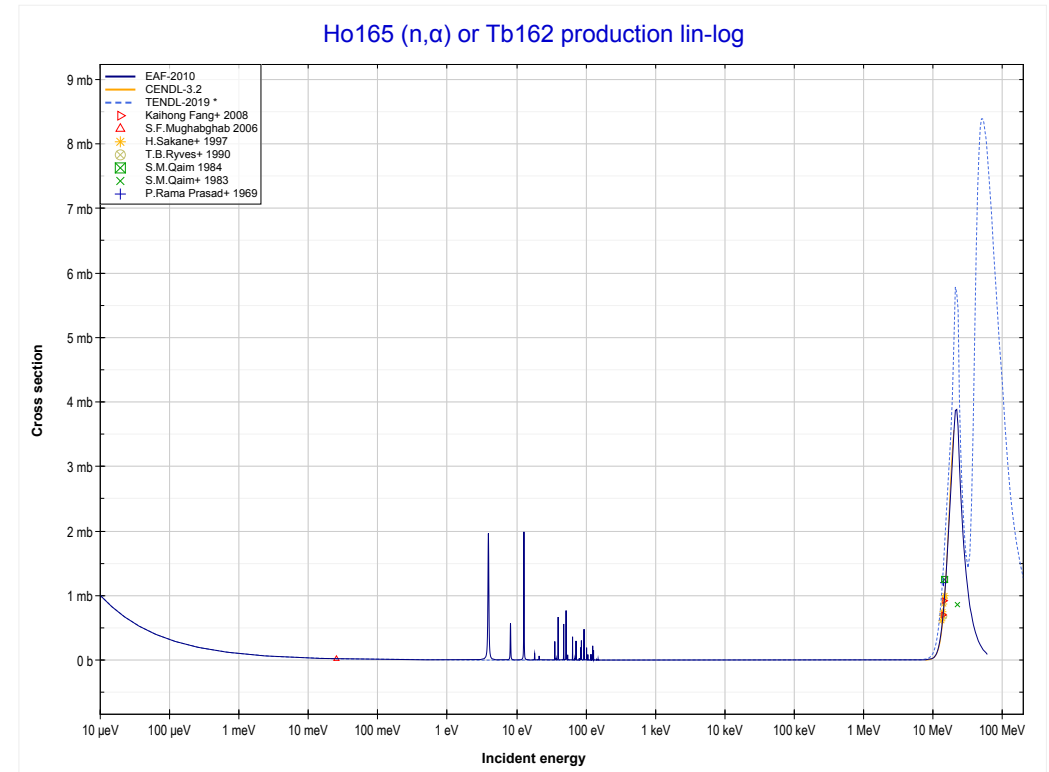
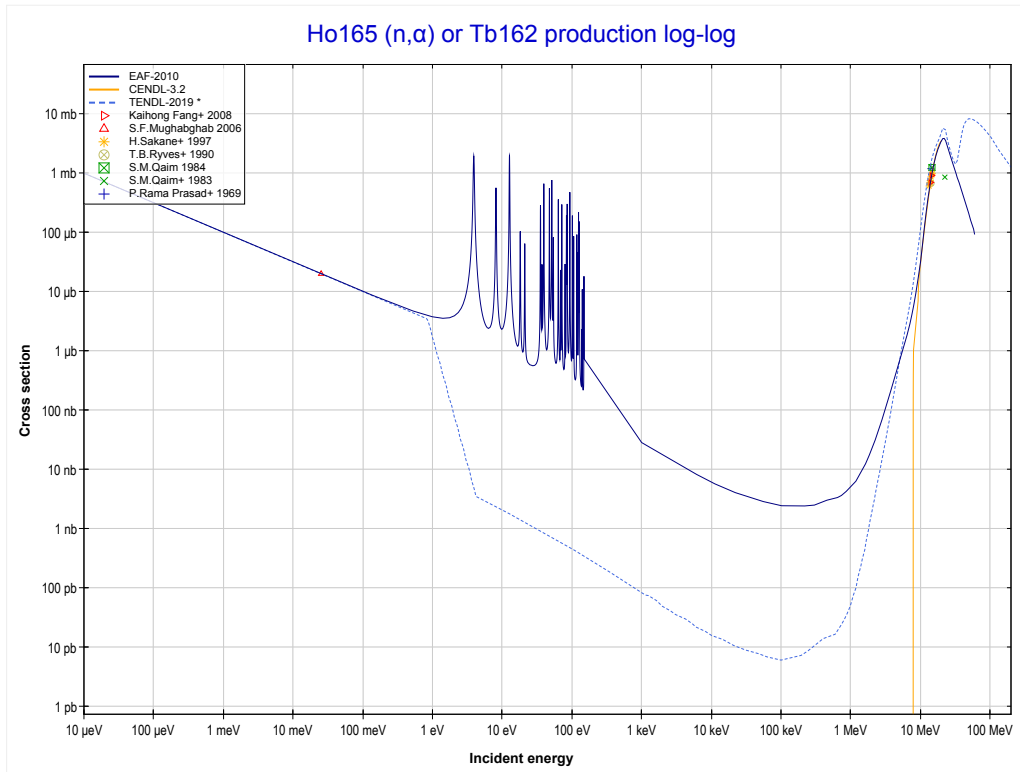
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.43337E-6 b | 0.00404983 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.45661E-6 b | 0.00623141 b |

| | | |
|----------------|---|----------------|
| << 65-Tb-159 | 67-Ho-165 | 69-Tm-169 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Tb163 production) | MT107 (n,α) >> |



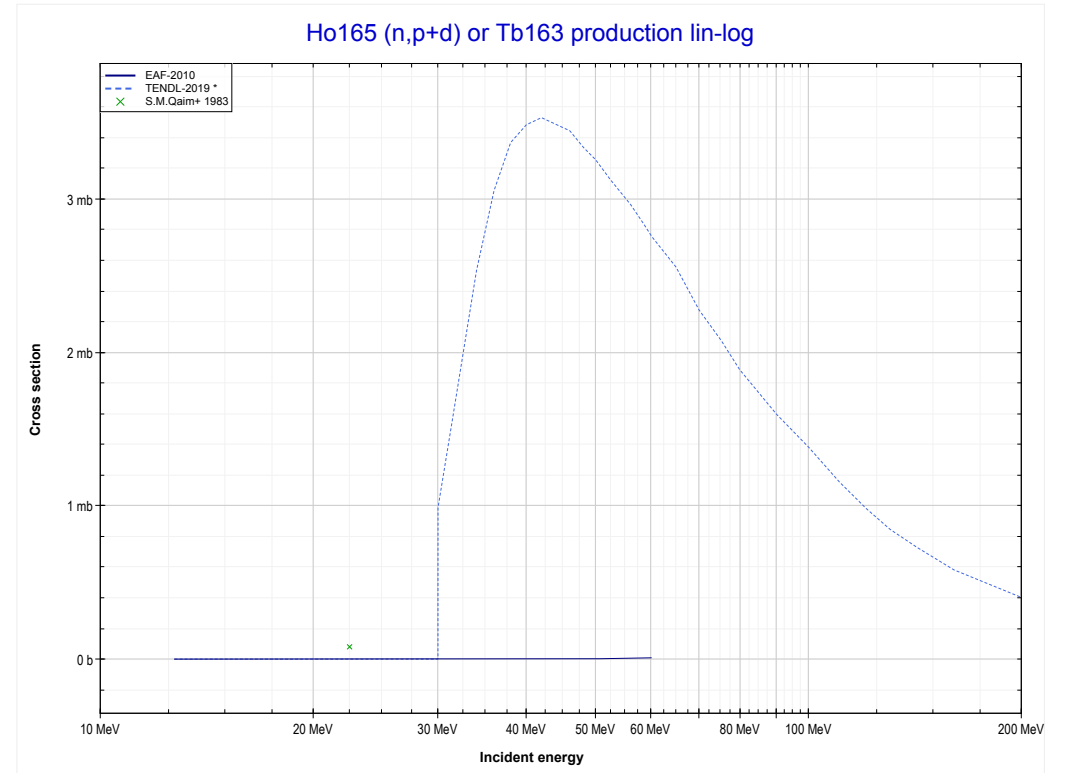
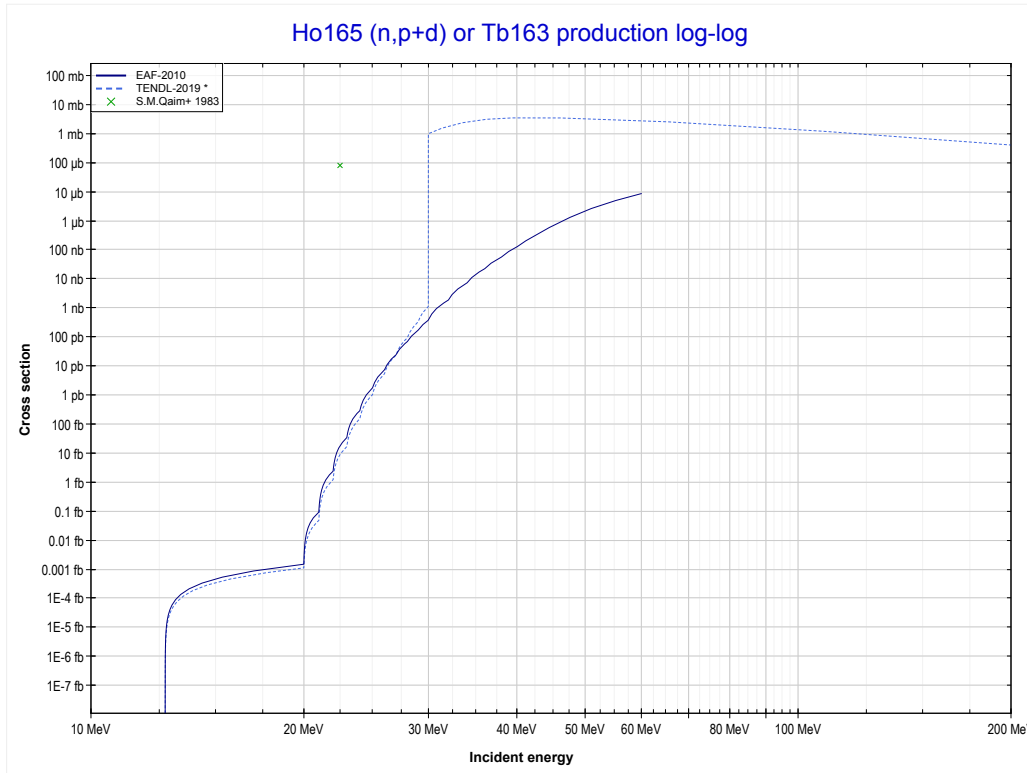
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.08786E-14 b | 2.98784E-17 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.28125E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.91375E-14 b | 2.0954E-15 b |

| | | |
|-------------------------------|--|------------------|
| << 66-Dy-164 | 67-Ho-165 | 68-Er-162 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Tb162 production) | MT115 (n,p+d) >> |



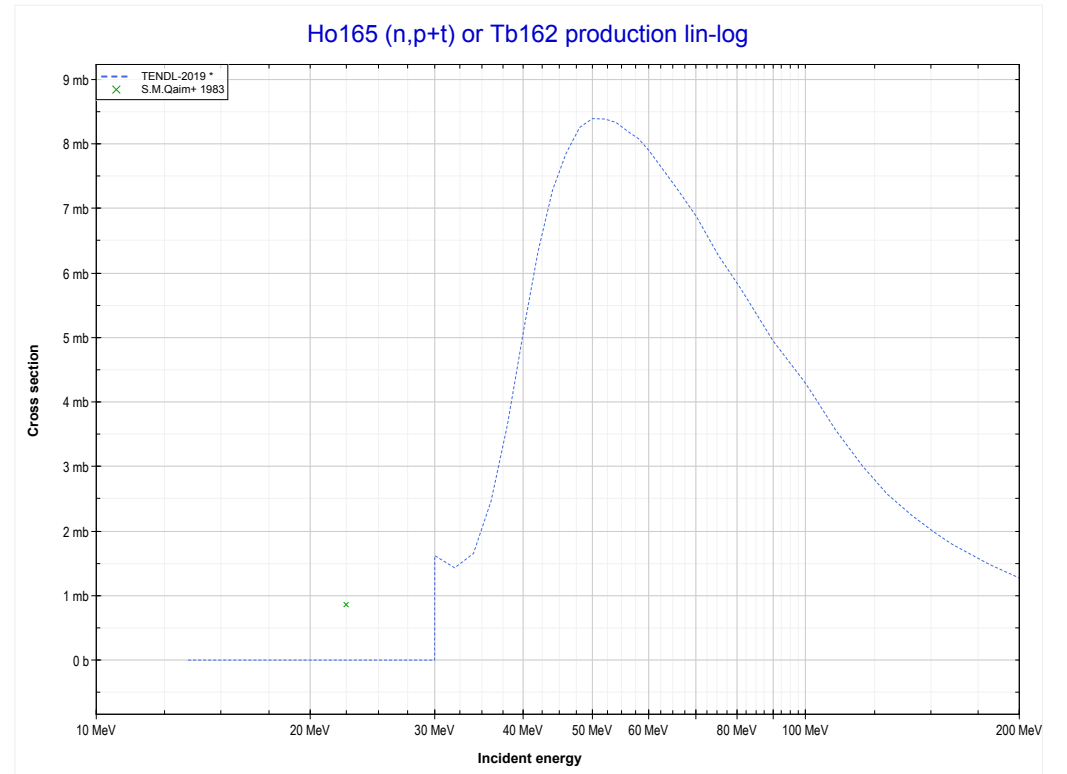
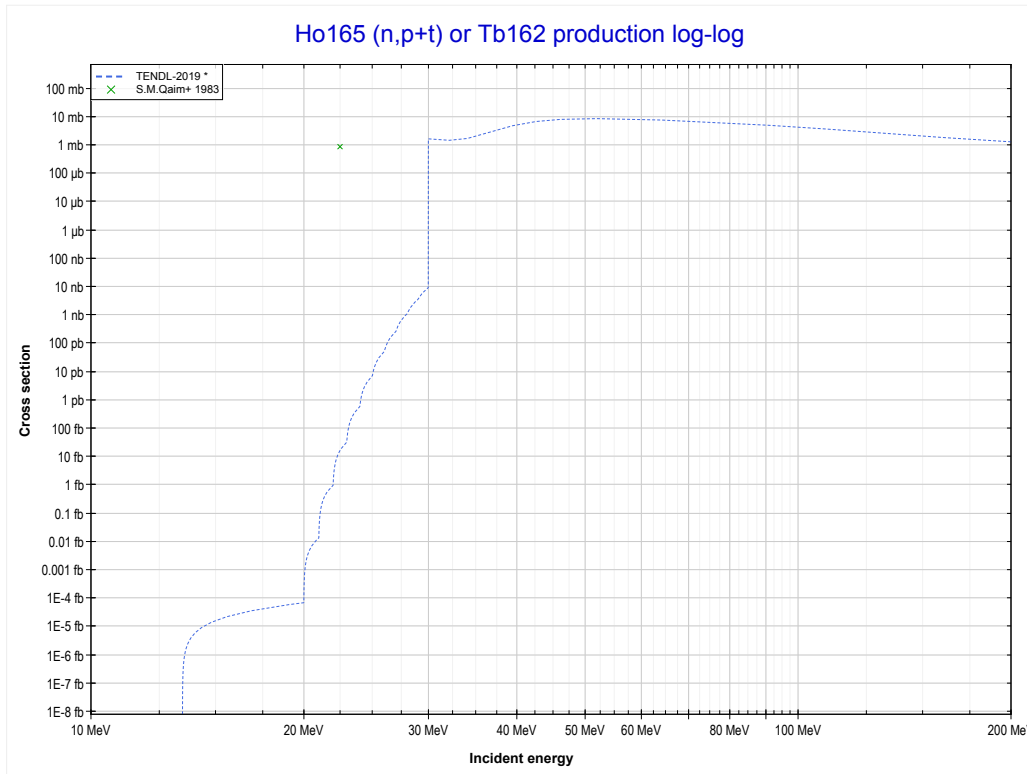
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2E-5 b | 1.99851E-5 b | 2.0012E-5 b | 1.00134 | 1.98366E-4 b | 6.05012E-7 b | 7.1075E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 4.12148E-7 b | 6.6633E-4 b |
| TENDL-2019 | 2.00072E-5 b | 2.00072E-5 b | 2.0005E-5 b | 0.99987 | 2.91399E-6 b | 1.29224E-6 b | 0.00137243 b |

| | | |
|-------------------------|--|------------------|
| << 60-Nd-146 | 67-Ho-165 | 70-Yb-174 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Tb163 production) | MT116 (n,p+t) >> |



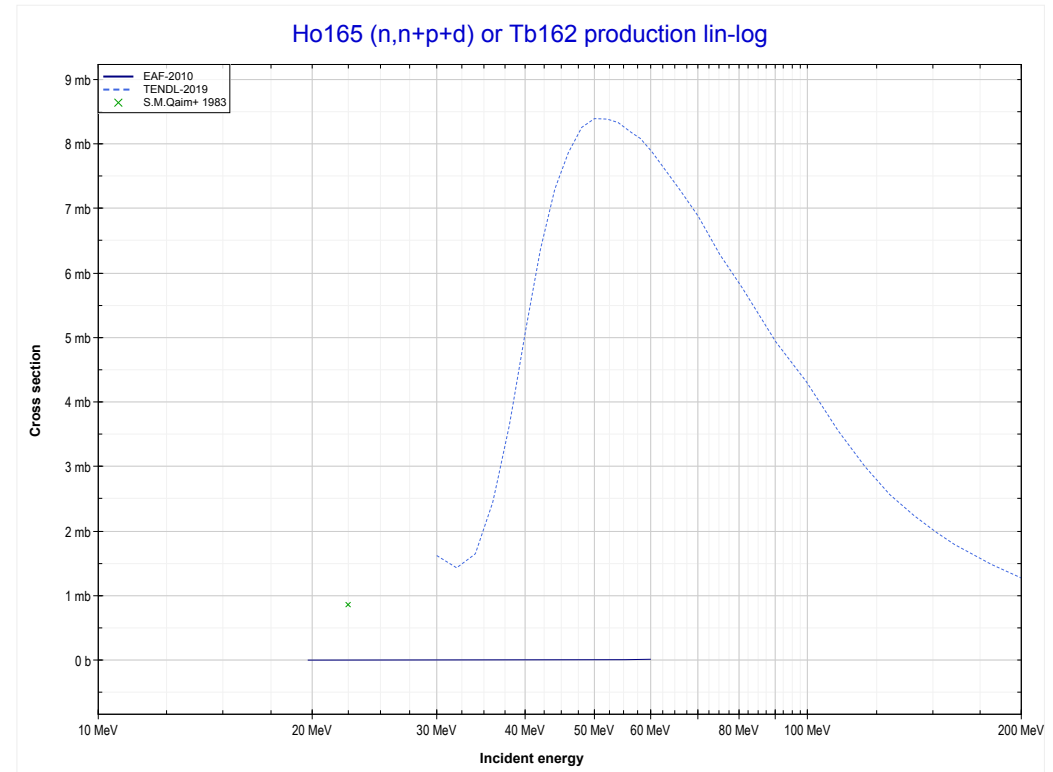
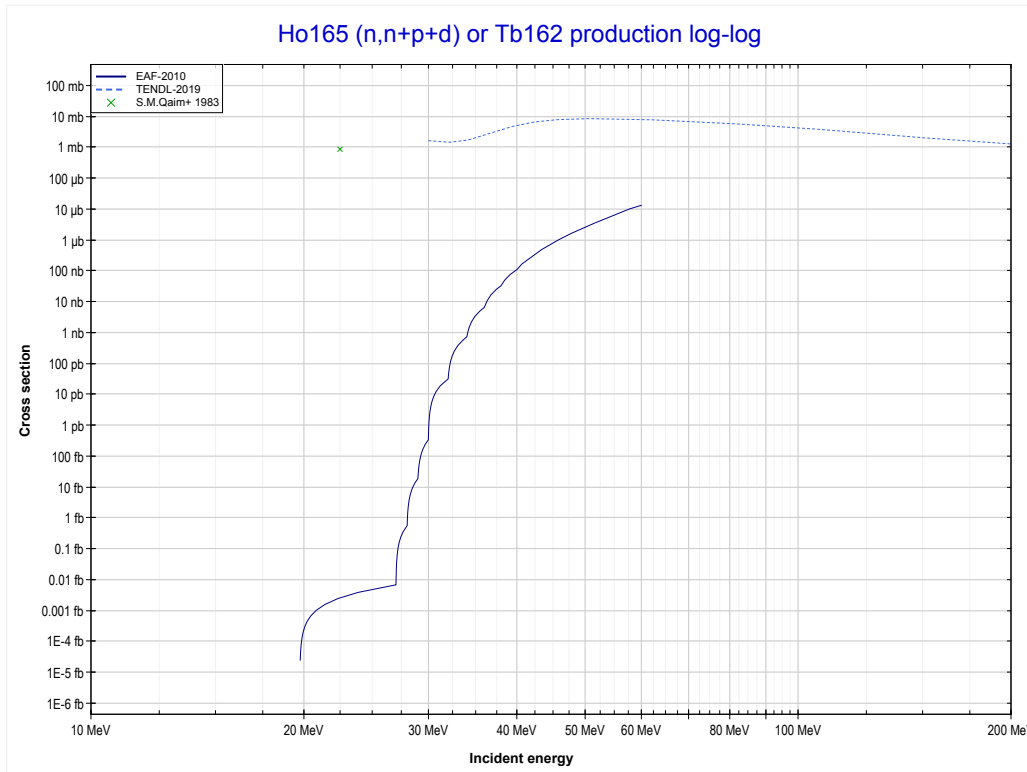
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.06089E-23 b | 1.93144E-19 b |

| | | |
|------------------|--|--------------------|
| << 65-Tb-159 | 67-Ho-165 | 70-Yb-174 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Tb162 production) | MT183 (n,n+p+d) >> |



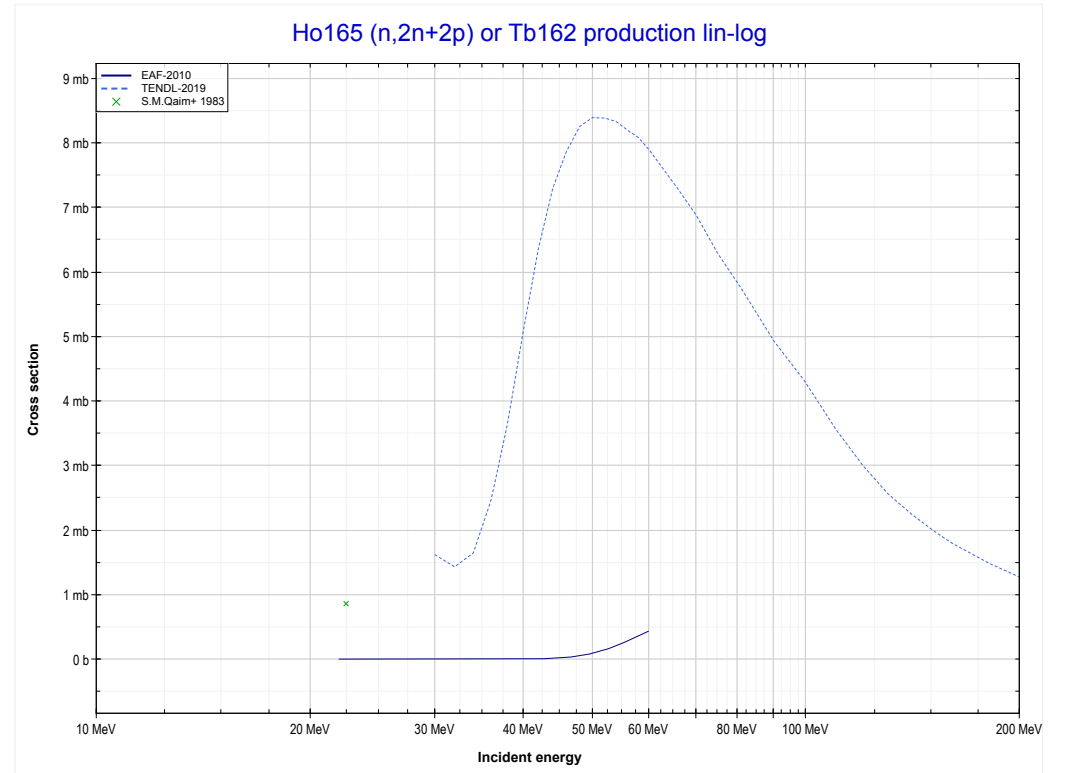
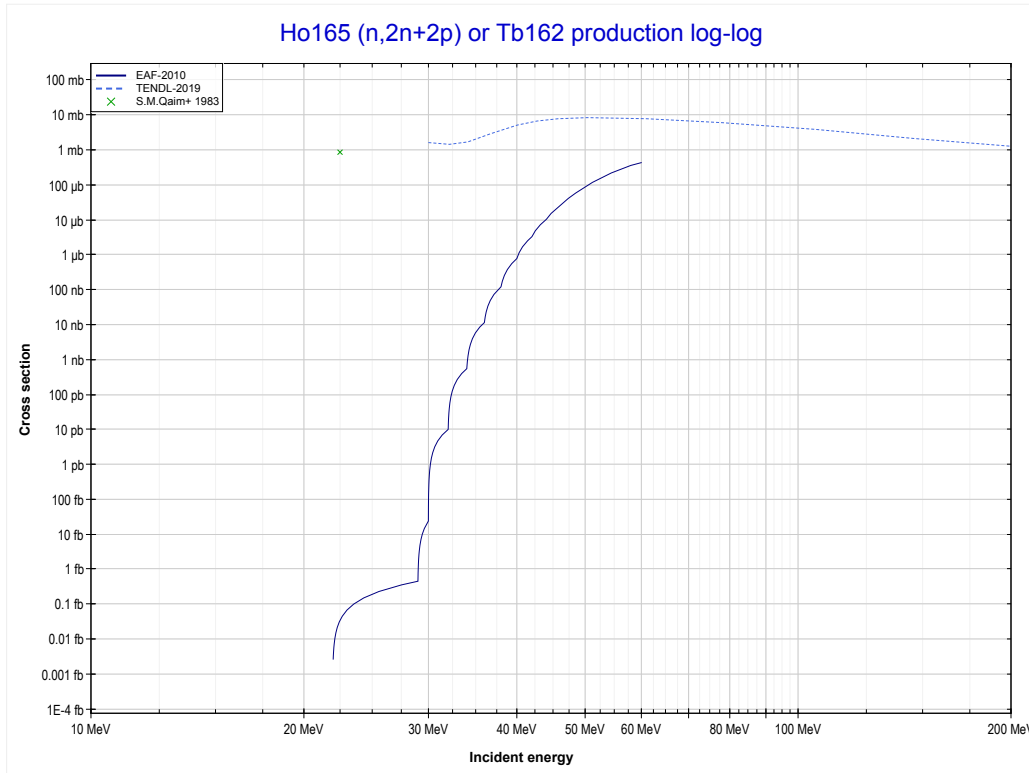
| Reaction | Q-Value |
|--------------------------|---------------|
| Ho165(n, α)Tb162 | 6427.40 keV |
| Ho165(n,p+t)Tb162 | -13386.46 keV |
| Ho165(n,n+He3)Tb162 | -14150.22 keV |
| Ho165(n,2d)Tb162 | -17419.13 keV |
| Ho165(n,n+p+d)Tb162 | -19643.69 keV |
| Ho165(n,2n+2p)Tb162 | -21868.26 keV |

| | | |
|------------------|--|--------------------|
| << 65-Tb-159 | 67-Ho-165 | 70-Yb-174 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Tb162 production) | MT190 (n,2n+2p) >> |



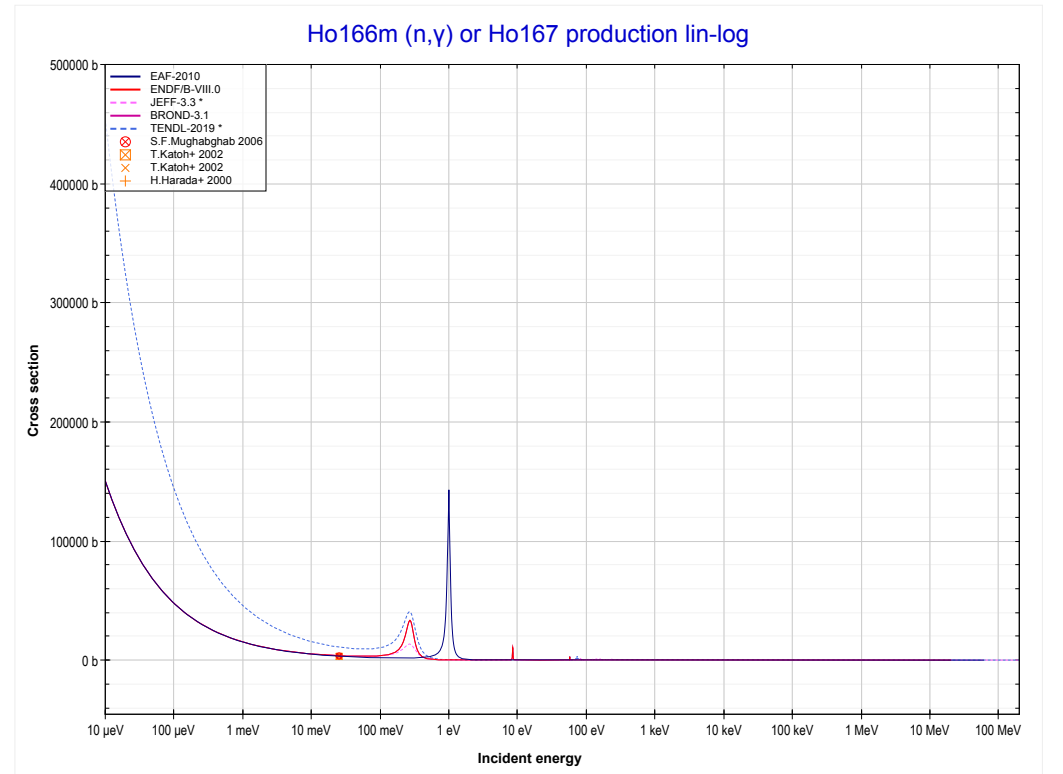
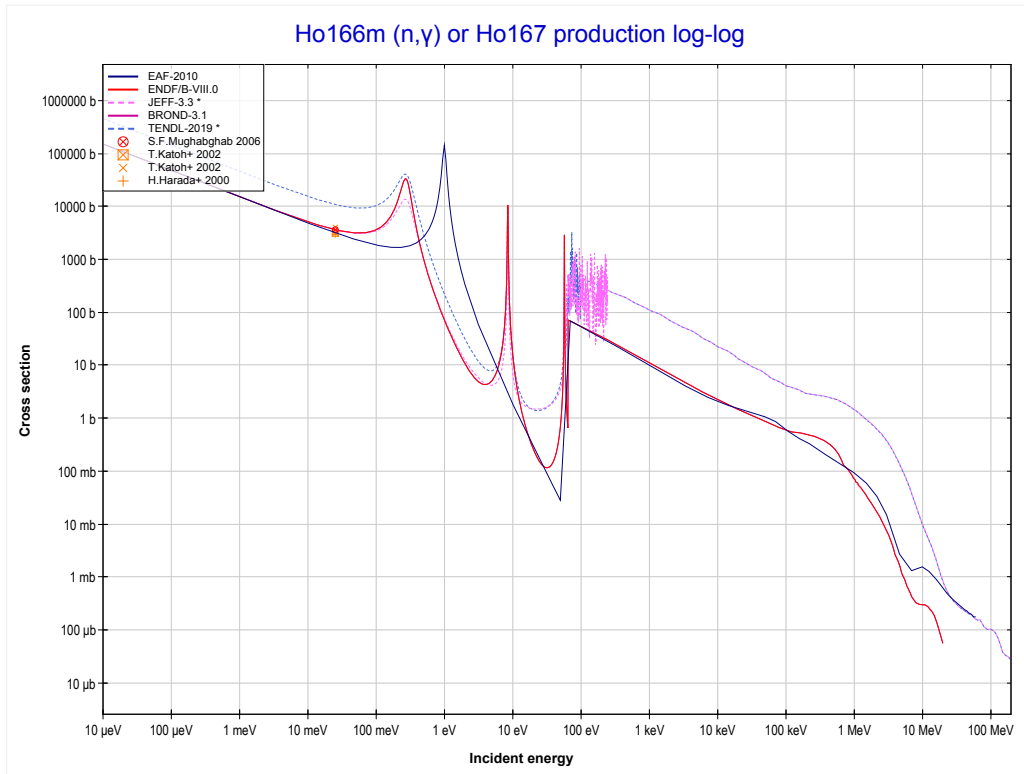
| Reaction | Q-Value |
|--------------------------|---------------|
| Ho165(n, α)Tb162 | 6427.40 keV |
| Ho165(n,p+t)Tb162 | -13386.46 keV |
| Ho165(n,n+He3)Tb162 | -14150.22 keV |
| Ho165(n,2d)Tb162 | -17419.13 keV |
| Ho165(n,n+p+d)Tb162 | -19643.69 keV |
| Ho165(n,2n+2p)Tb162 | -21868.26 keV |

| | | |
|--------------------|--|------------------------------------|
| << 65-Tb-159 | 67-Ho-165 | 70-Yb-174 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Tb162 production) | 67-Ho-166m MT102 (n, γ) >> |



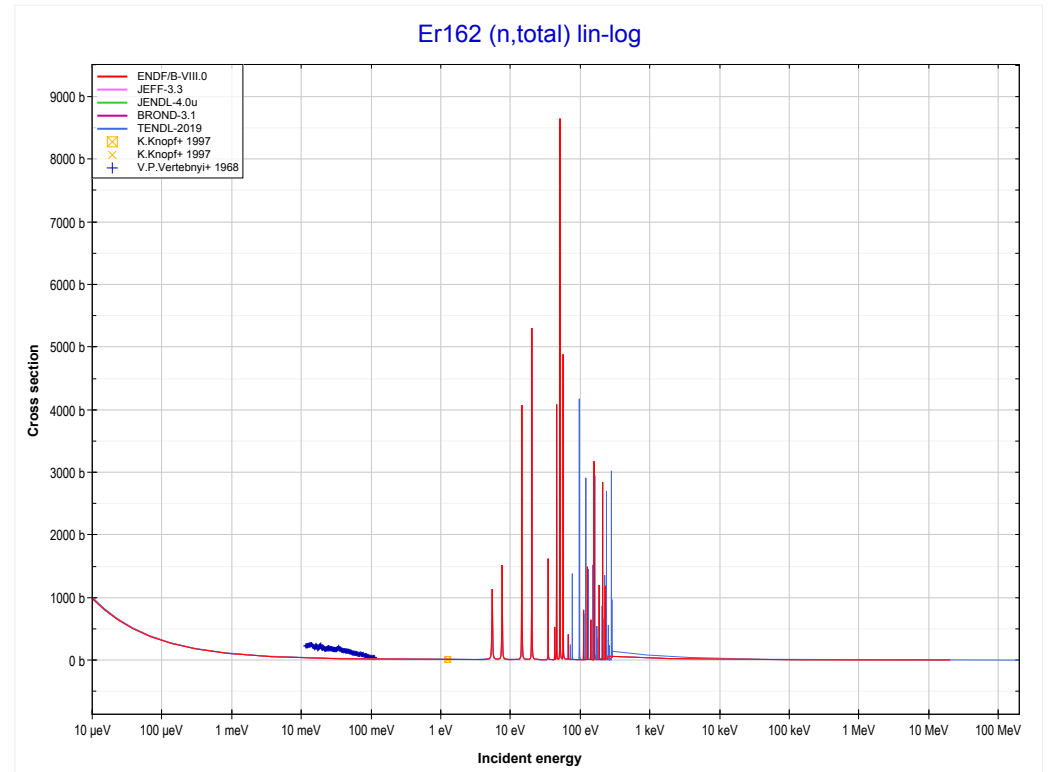
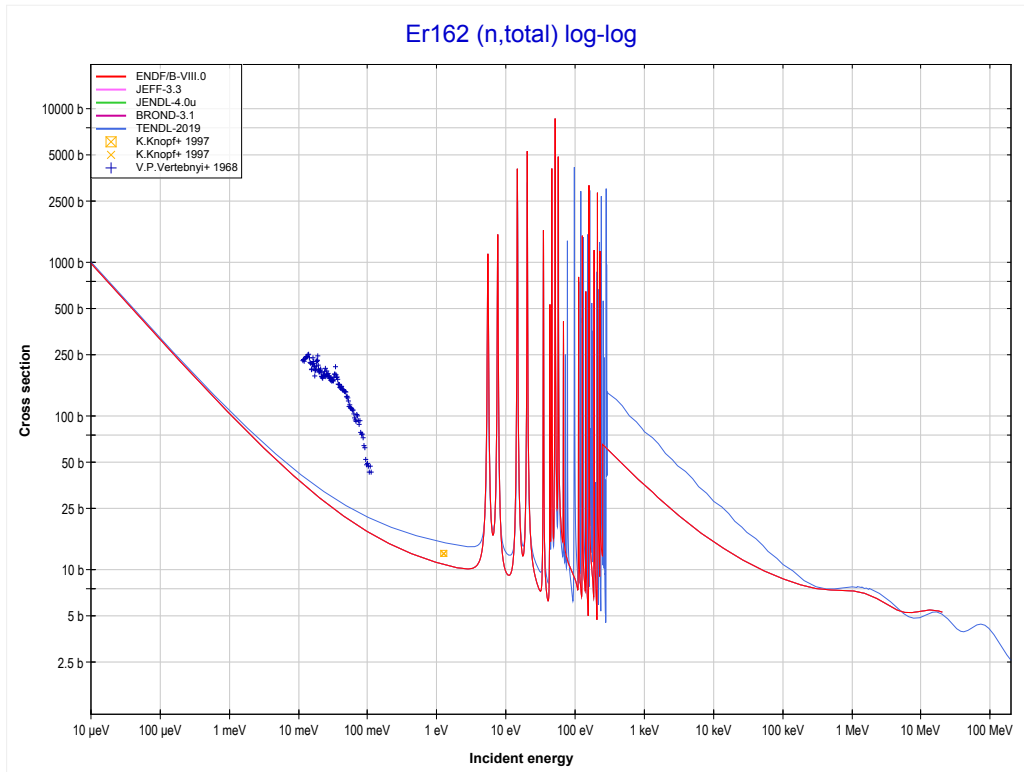
| Reaction | Q-Value |
|--------------------------|---------------|
| Ho165(n, α)Tb162 | 6427.40 keV |
| Ho165(n,p+t)Tb162 | -13386.46 keV |
| Ho165(n,n+He3)Tb162 | -14150.22 keV |
| Ho165(n,2d)Tb162 | -17419.13 keV |
| Ho165(n,n+p+d)Tb162 | -19643.69 keV |
| Ho165(n,2n+2p)Tb162 | -21868.26 keV |

| | | |
|------------------------------|--|----------------------------|
| << 67-Ho-165 | 67-Ho-166m | 68-Er-162 >> |
| << 67-Ho-165 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (Ho167 production) | 68-Er-162 MT1 (n,total) >> |



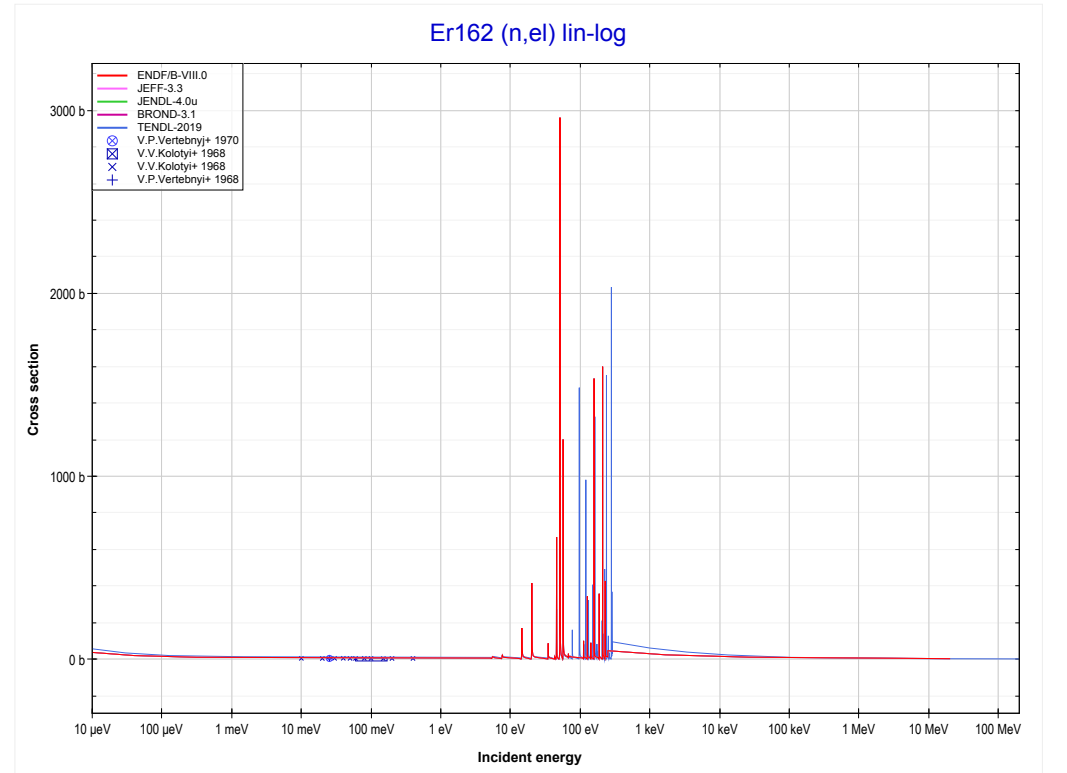
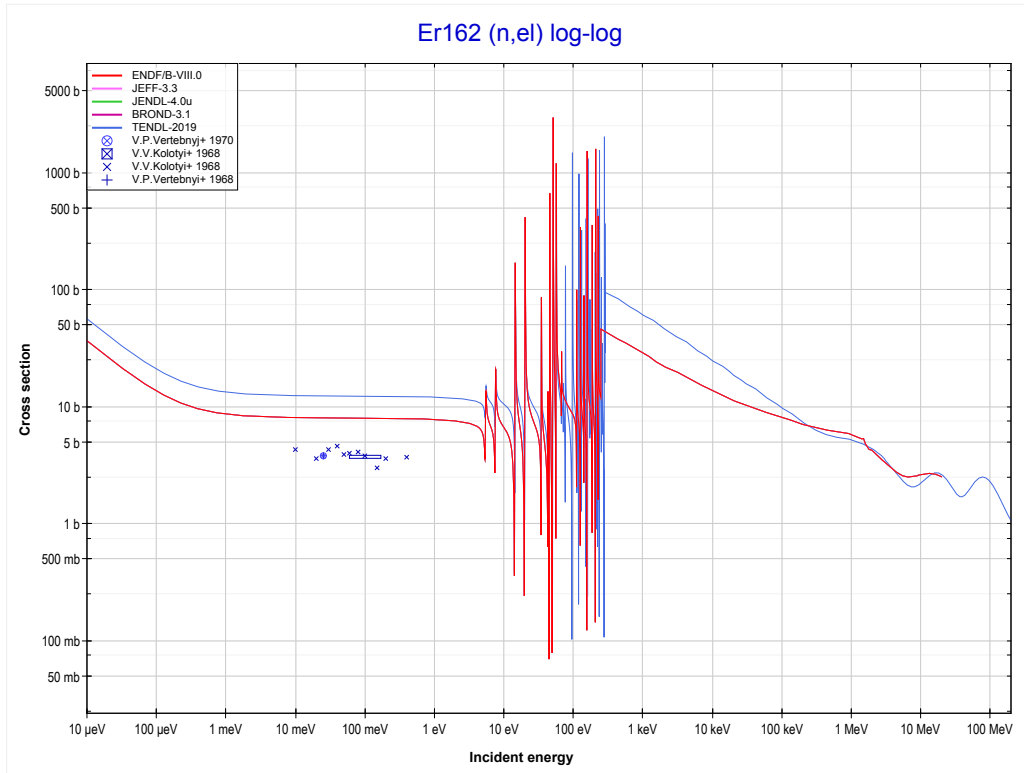
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3163.75 b | 3161.56 b | 3253.1 b | 1.02902 | 24636.4 b | 0.0941514 b | 0.0011 b |
| ENDF/B-VIII.0 | 3608.98 b | 3608.98 b | 4321.9 b | 1.19753 | 677.429 b | 0.104264 b | 2.19386E-4 b |
| JEFF-3.3 | 3593.79 b | 3593.79 b | 4198 b | 1.16811 | 1183.95 b | 1.23661 b | 0.0035725 b |
| BROND-3.1 | 3608.98 b | 3608.98 b | 4321.9 b | 1.19753 | 677.429 b | 0.104264 b | 2.19386E-4 b |
| TENDL-2019 | 10818.4 b | 10818.4 b | 12642 b | 1.16852 | 1993.13 b | 1.22326 b | 0.00348923 b |

| | | |
|---------------------------|----------------------|--------------------|
| << 67-Ho-165 | 68-Er-162 | 68-Er-164 >> |
| << 67-Ho-166m MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



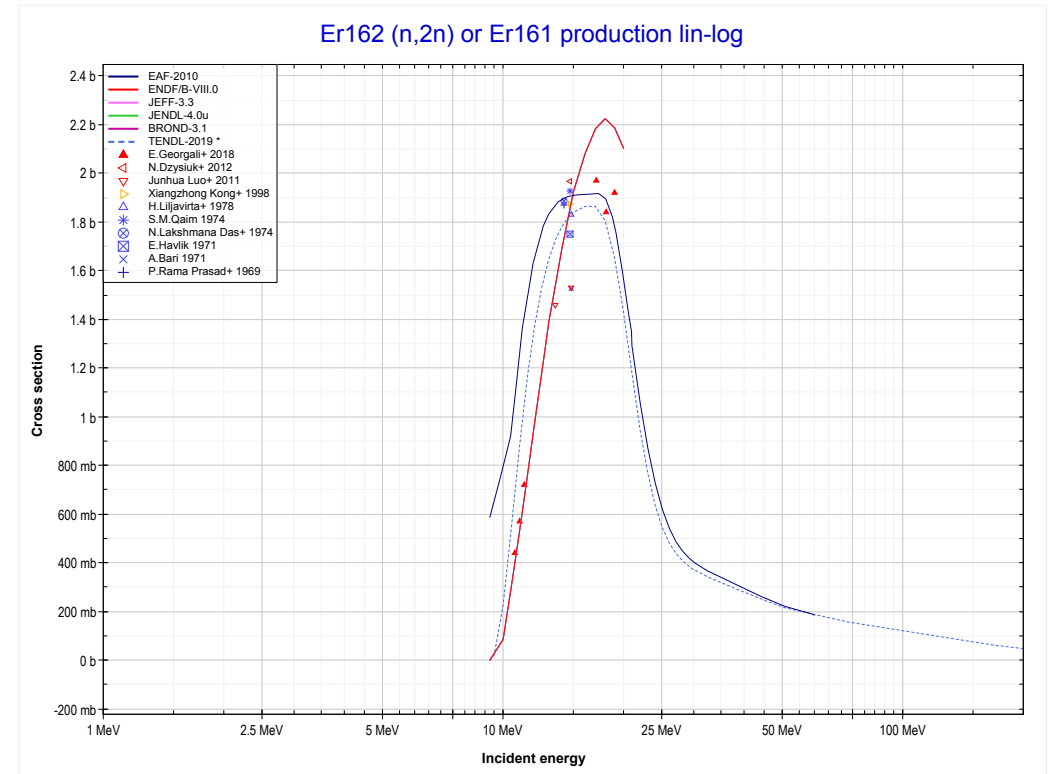
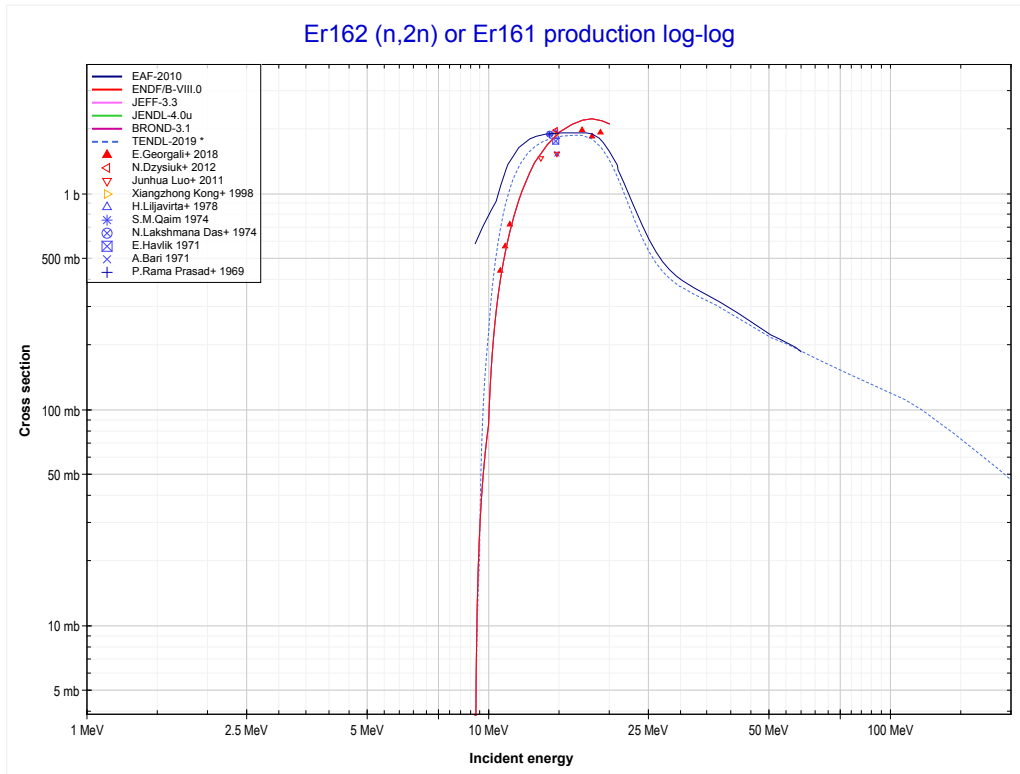
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 26.9438 b | 26.9438 b | 27.993 b | 1.03892 | 693.779 b | 6.74483 b | 5.4354 b |
| JEFF-3.3 | 26.9438 b | 26.9438 b | 27.993 b | 1.03892 | 693.779 b | 6.7448 b | 5.4354 b |
| JENDL-4.0u | 26.9438 b | 26.9438 b | 27.993 b | 1.03892 | 693.779 b | 6.7448 b | 5.4354 b |
| BROND-3.1 | 26.9438 b | 26.9438 b | 27.993 b | 1.03892 | 693.779 b | 6.74483 b | 5.4354 b |
| TENDL-2019 | 31.3026 b | 31.3026 b | 32.897 b | 1.05094 | 777.303 b | 7.24015 b | 5.22069 b |

| | | |
|------------------|------------------------|----------------|
| << 67-Ho-165 | 68-Er-162 | 68-Er-164 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



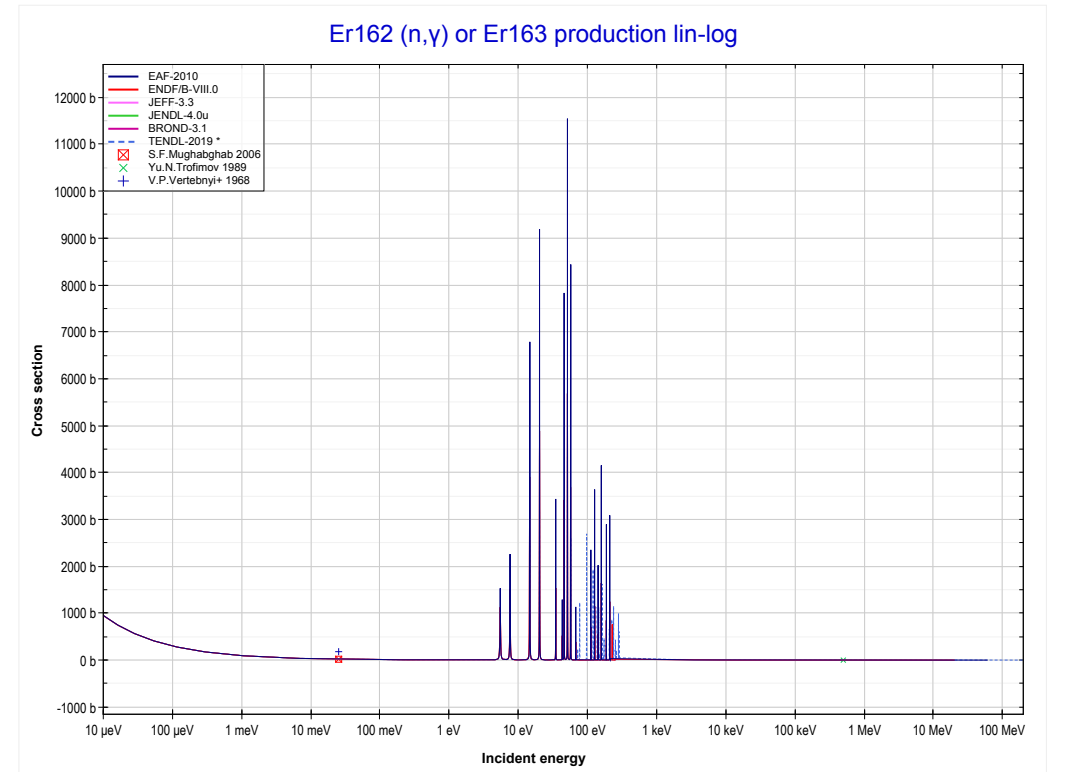
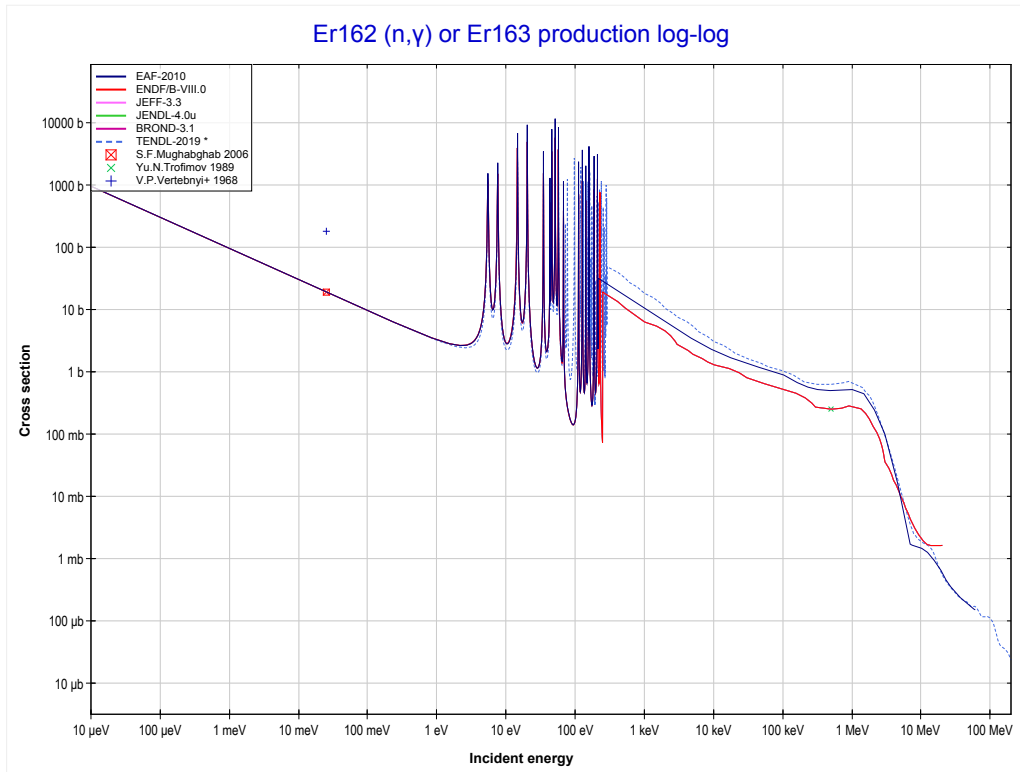
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.02727 b | 8.02727 b | 9.0518 b | 1.12763 | 242.773 b | 4.80348 b | 2.68948 b |
| JEFF-3.3 | 8.02727 b | 8.02727 b | 9.0518 b | 1.12763 | 242.773 b | 4.80345 b | 2.68948 b |
| JENDL-4.0u | 8.02727 b | 8.02727 b | 9.0518 b | 1.12763 | 242.773 b | 4.80345 b | 2.68948 b |
| BROND-3.1 | 8.02727 b | 8.02727 b | 9.0518 b | 1.12763 | 242.773 b | 4.80348 b | 2.68948 b |
| TENDL-2019 | 12.365 b | 12.365 b | 13.946 b | 1.12789 | 361.317 b | 4.6958 b | 2.62327 b |

| | | |
|--------------------|--|-------------------------|
| << 67-Ho-165 | 68-Er-162 | 68-Er-164 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Er161 production) | MT102 (n, γ) >> |



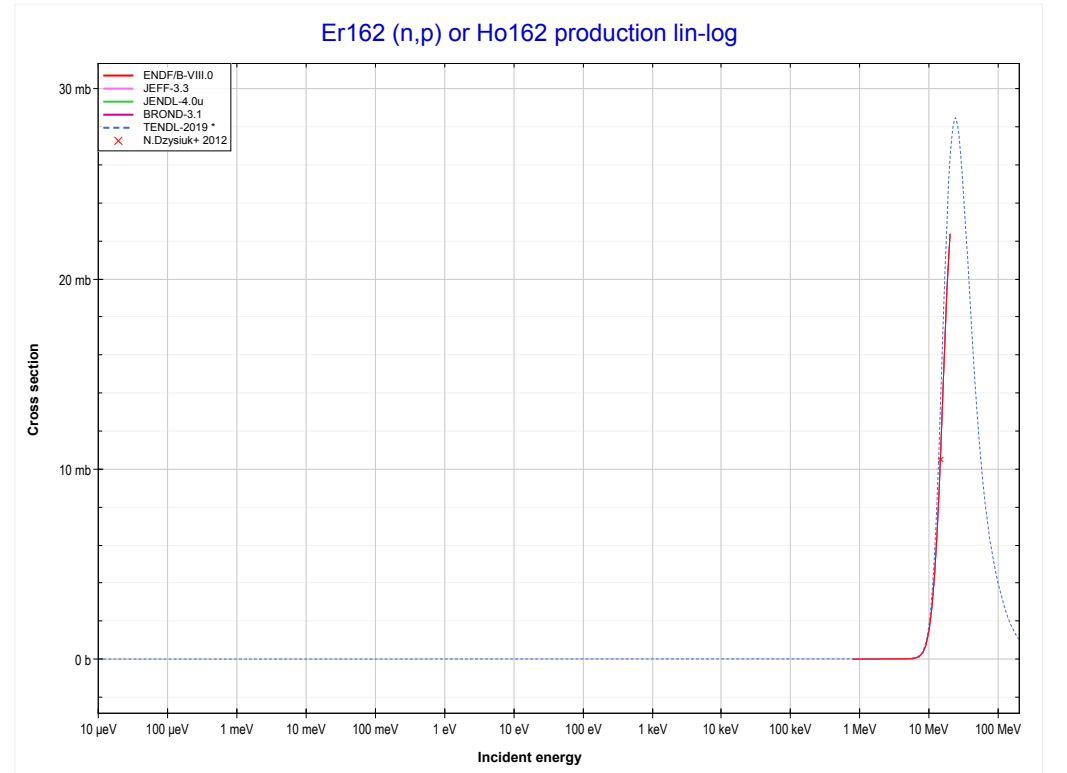
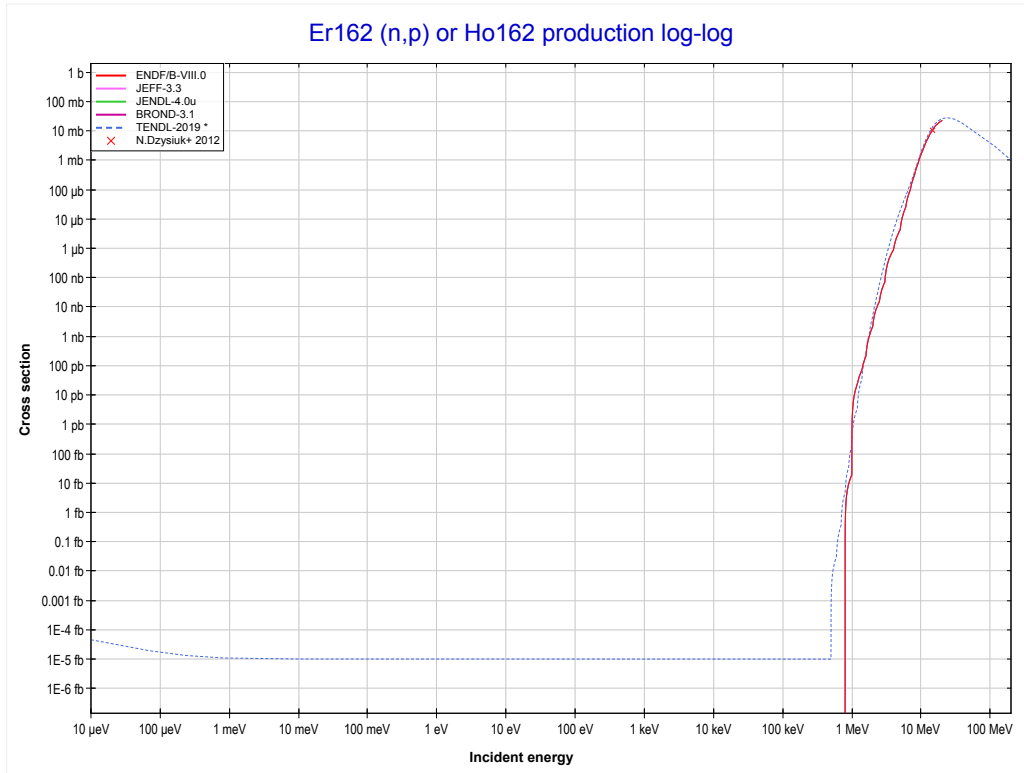
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00284803 b | 1.89073 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139426 b | 1.68335 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139426 b | 1.68335 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139426 b | 1.68335 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00139426 b | 1.68335 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0019674 b | 1.77935 b |

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|----------------|--|----------------|
| << 67-Ho-166m | 68-Er-162 | 68-Er-164 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Er163 production) | MT103 (n,p) >> |



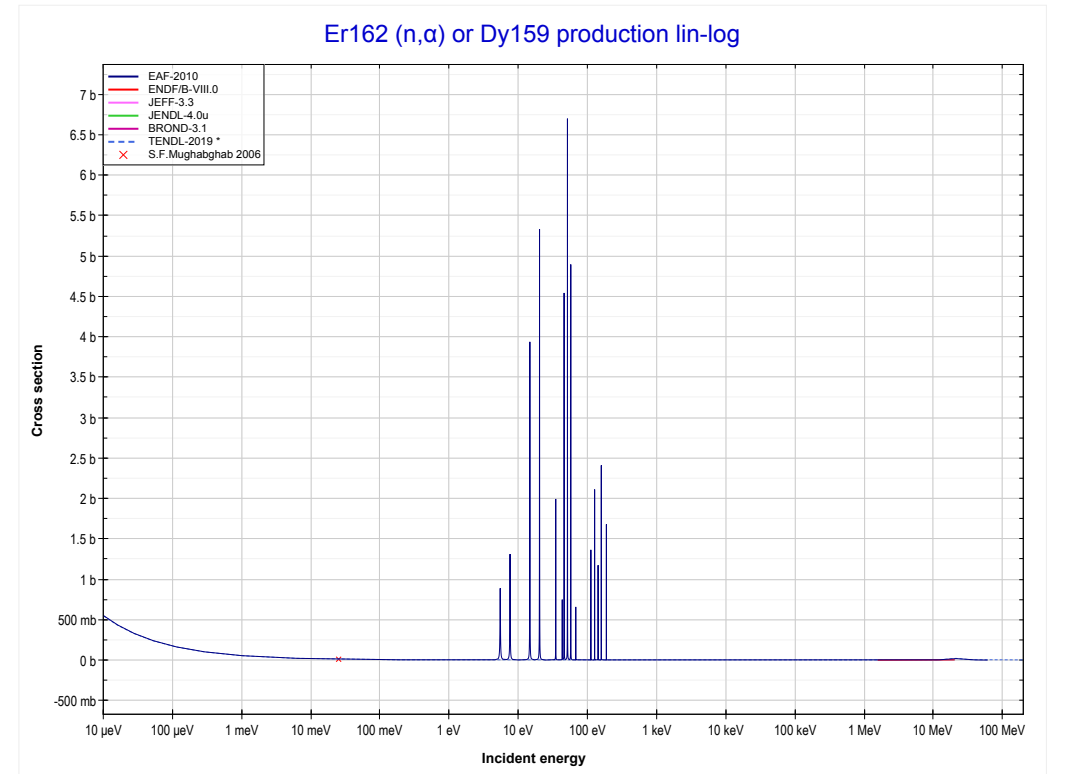
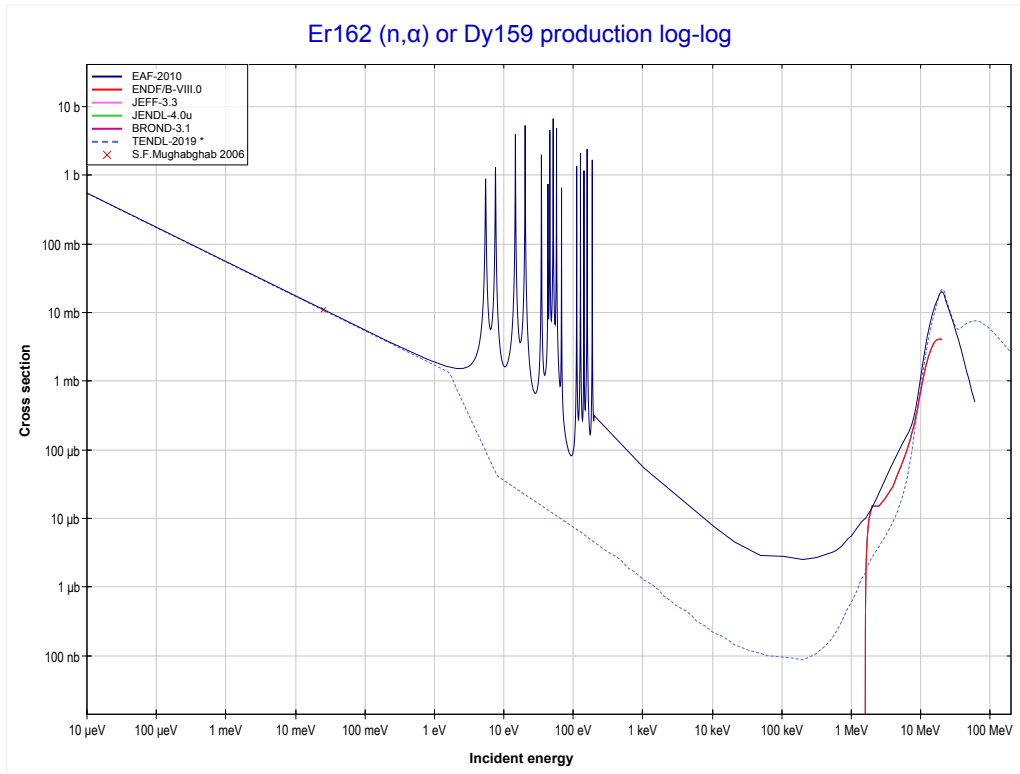
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.962 b | 18.9478 b | 18.964 b | 1.00085 | 459.468 b | 0.338747 b | 0.00109 b |
| ENDF/B-VIII.0 | 18.9166 b | 18.9166 b | 18.941 b | 1.00128 | 451.006 b | 0.181827 b | 0.00163 b |
| JEFF-3.3 | 18.9166 b | 18.9166 b | 18.941 b | 1.00128 | 451.006 b | 0.181824 b | 0.00163 b |
| JENDL-4.0u | 18.9166 b | 18.9166 b | 18.941 b | 1.00128 | 451.006 b | 0.181824 b | 0.00163 b |
| BROND-3.1 | 18.9166 b | 18.9166 b | 18.941 b | 1.00128 | 451.006 b | 0.181827 b | 0.00163 b |
| TENDL-2019 | 18.9266 b | 18.9266 b | 18.94 b | 1.00069 | 415.948 b | 0.417039 b | 0.00147684 b |

| | | |
|-------------------------|--|-------------------------|
| << 67-Ho-165 | 68-Er-162 | 68-Er-166 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ho162 production) | MT107 (n, α) >> |



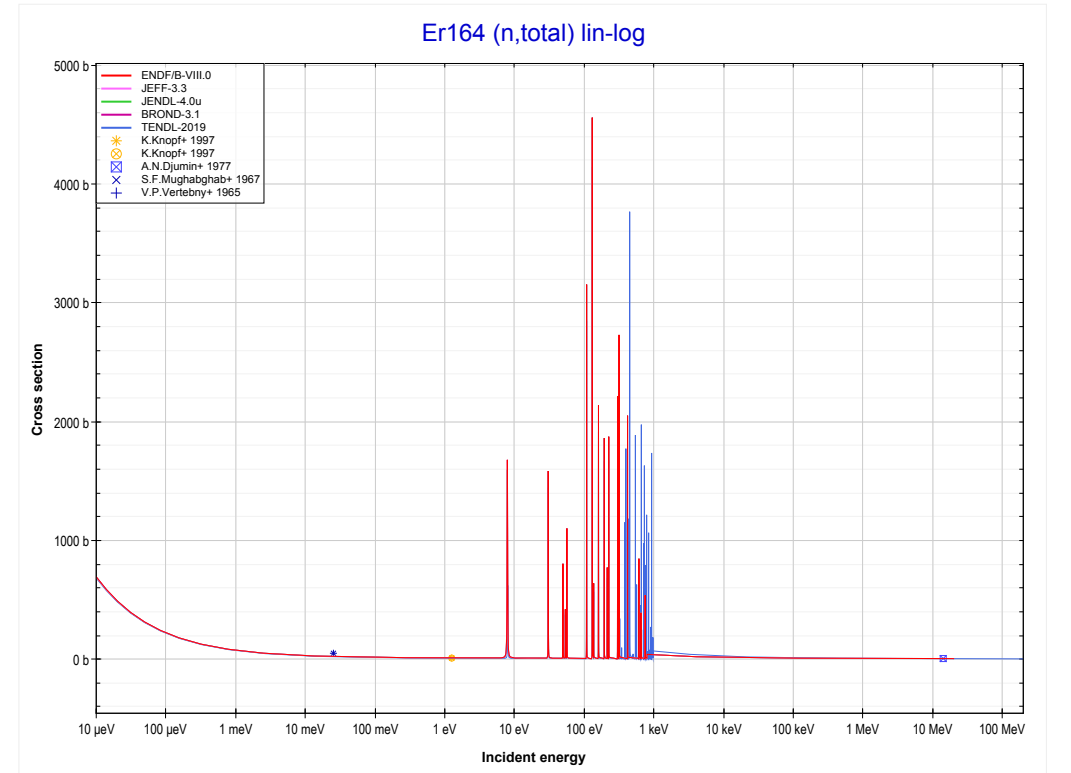
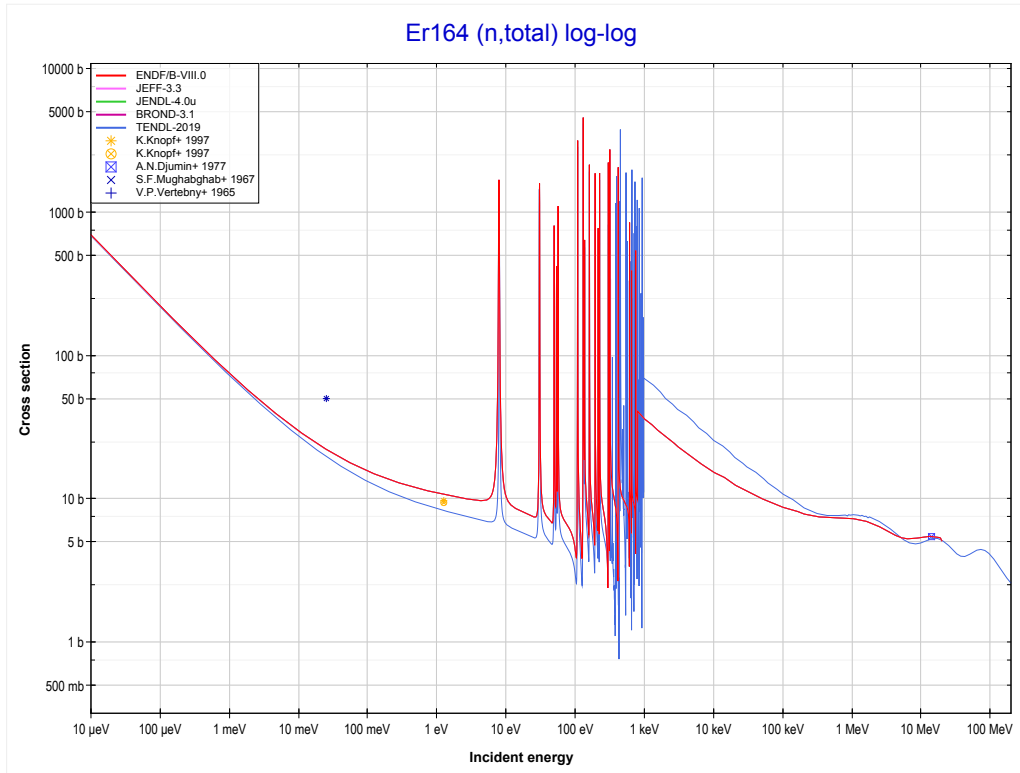
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46051E-5 b | 0.00907749 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46051E-5 b | 0.00907749 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.46051E-5 b | 0.00907749 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46051E-5 b | 0.00907749 b |
| TENDL-2019 | 1.0031E-20 b | 1.0031E-20 b | 1.132E-20 b | 1.12847 | 1.22063E-19 b | 1.94128E-5 b | 0.0115413 b |

| | | |
|----------------|--|----------------------------|
| << 67-Ho-165 | 68-Er-162 | 68-Er-164 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Dy159 production) | 68-Er-164 MT1 (n,total) >> |



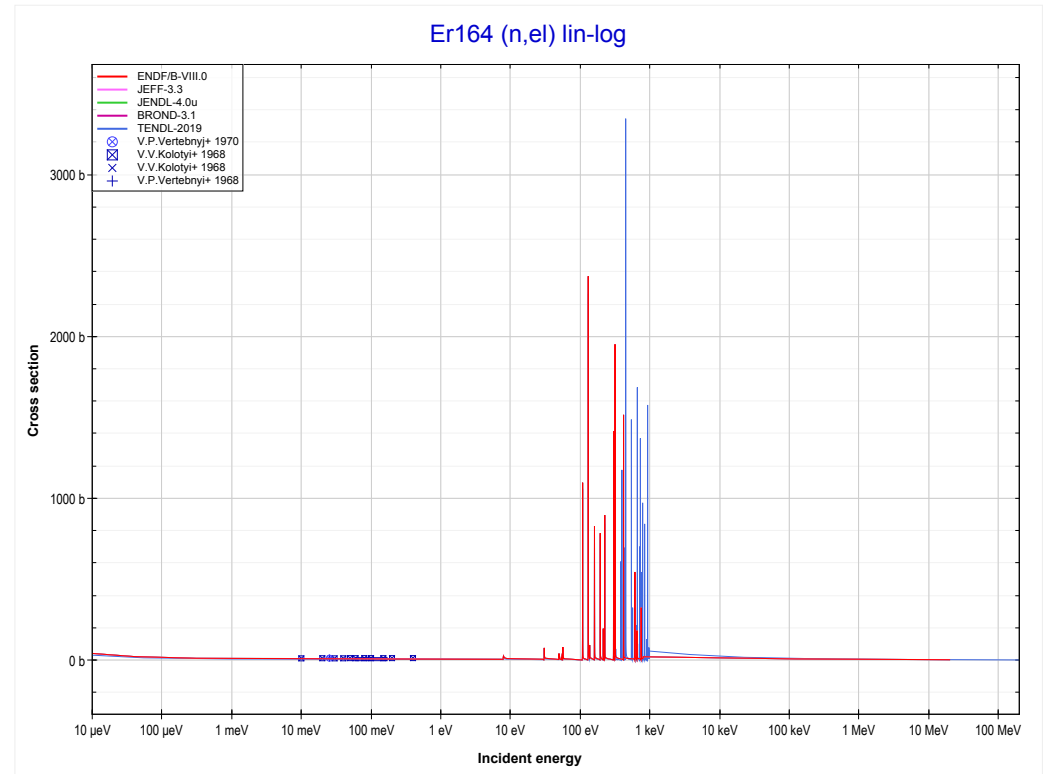
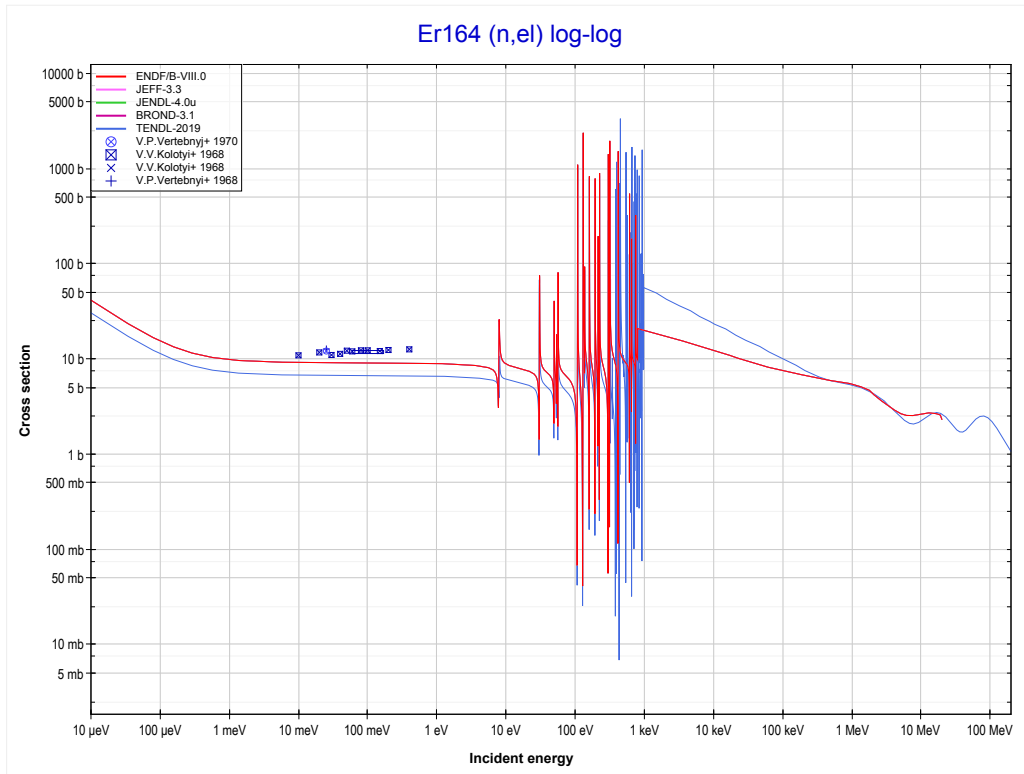
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.011 b | 0.0109918 b | 0.011001 b | 1.00085 | 0.237697 b | 3.44391E-5 b | 0.00765135 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8127E-5 b | 0.00287613 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8127E-5 b | 0.00287613 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.8127E-5 b | 0.00287613 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8127E-5 b | 0.00287613 b |
| TENDL-2019 | 0.0109252 b | 0.0109252 b | 0.010919 b | 0.99941 | 0.00285443 b | 1.11143E-5 b | 0.00595639 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 68-Er-162 | 68-Er-164 | 68-Er-166 >> |
| << 68-Er-162 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



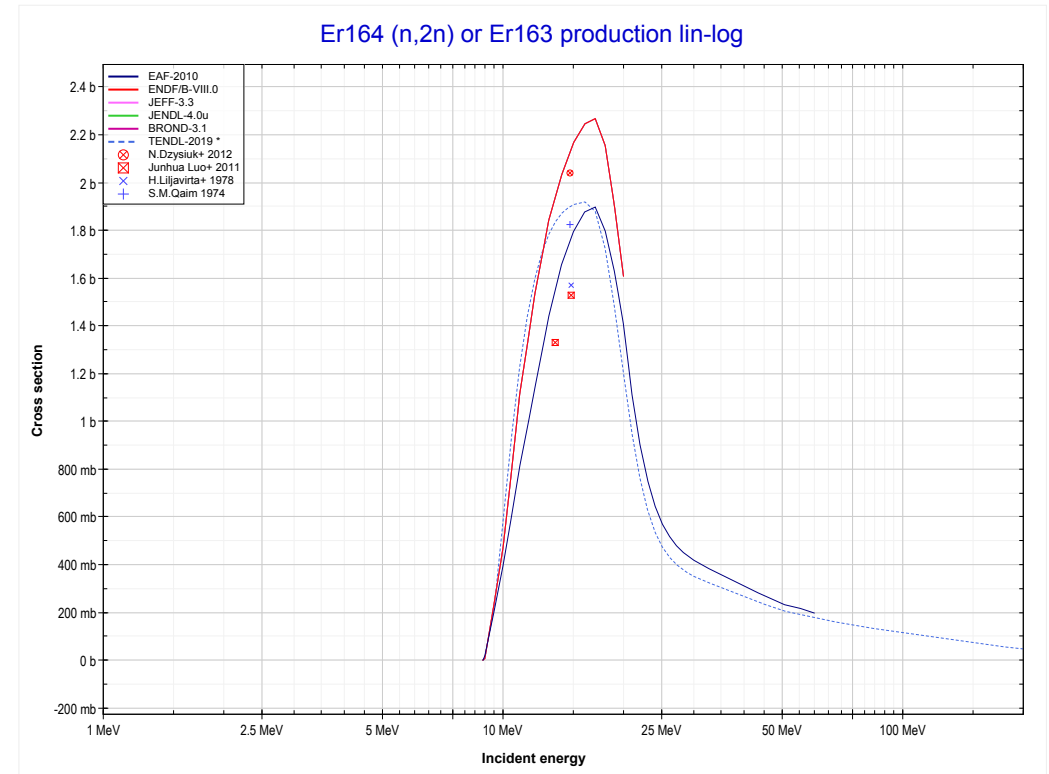
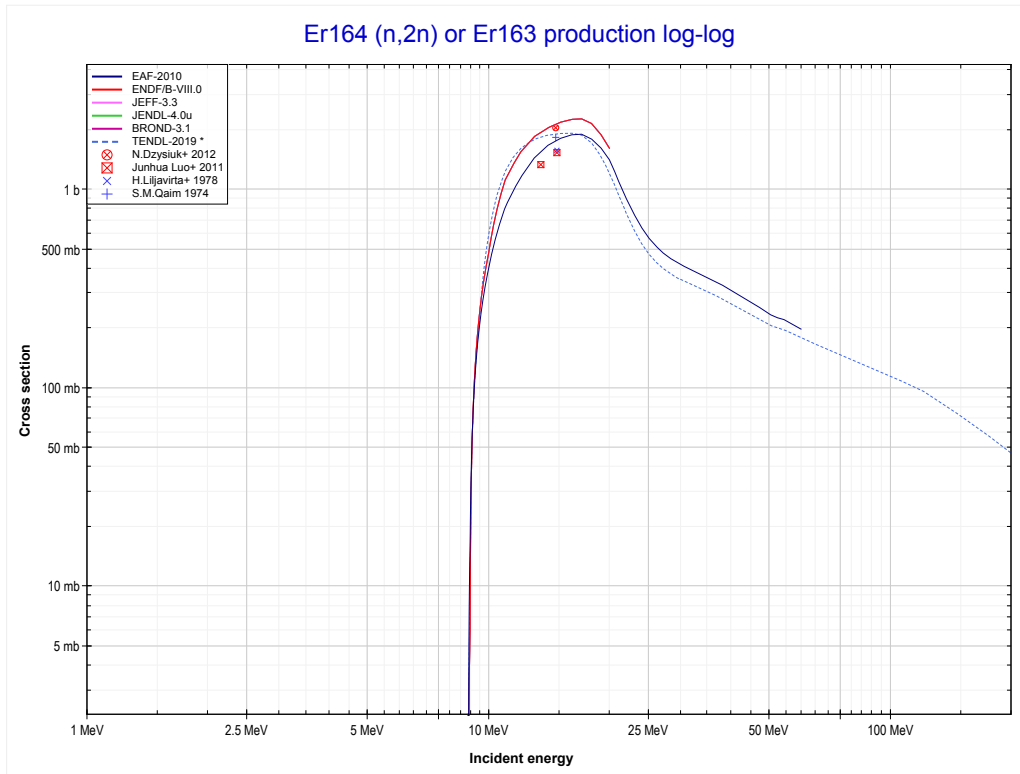
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.0818 b | 22.0818 b | 23.251 b | 1.05293 | 340.839 b | 6.7854 b | 5.4688 b |
| JEFF-3.3 | 22.0096 b | 22.0096 b | 23.179 b | 1.05314 | 338.434 b | 6.78536 b | 5.4688 b |
| JENDL-4.0u | 22.0096 b | 22.0096 b | 23.179 b | 1.05314 | 338.434 b | 6.78536 b | 5.4688 b |
| BROND-3.1 | 22.0818 b | 22.0818 b | 23.251 b | 1.05293 | 340.839 b | 6.7854 b | 5.4688 b |
| TENDL-2019 | 19.6673 b | 19.6673 b | 20.517 b | 1.04322 | 367.97 b | 7.26667 b | 5.26442 b |

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|------------------|------------------------|----------------|
| << 68-Er-162 | 68-Er-164 | 68-Er-166 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



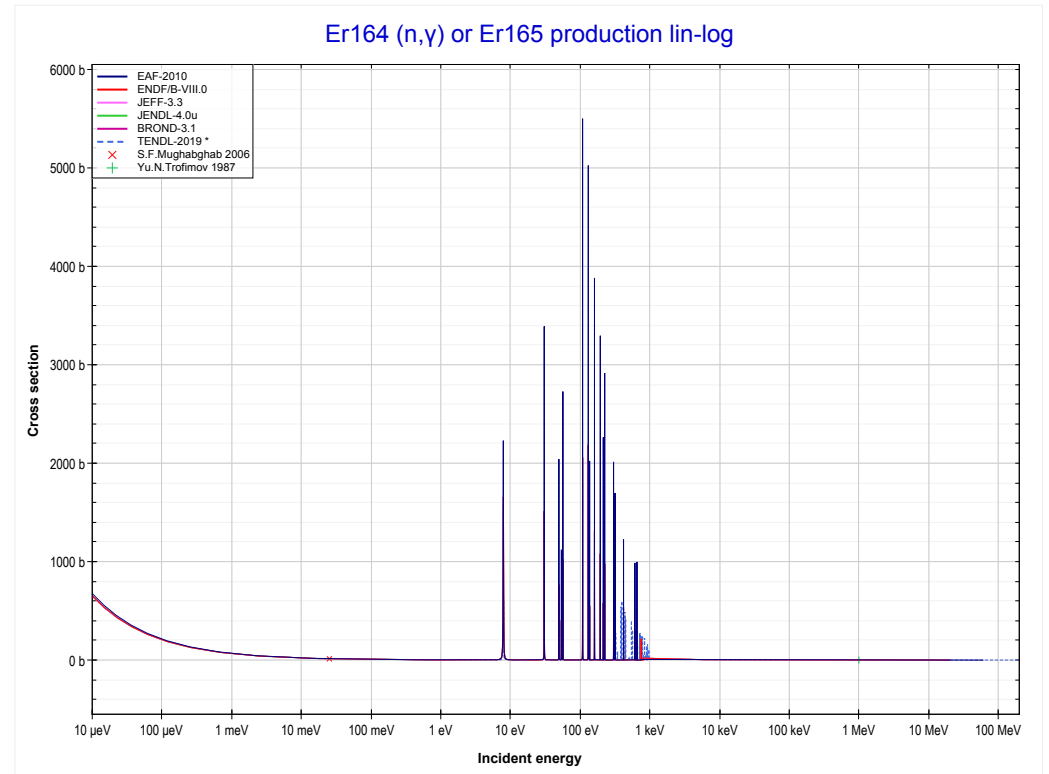
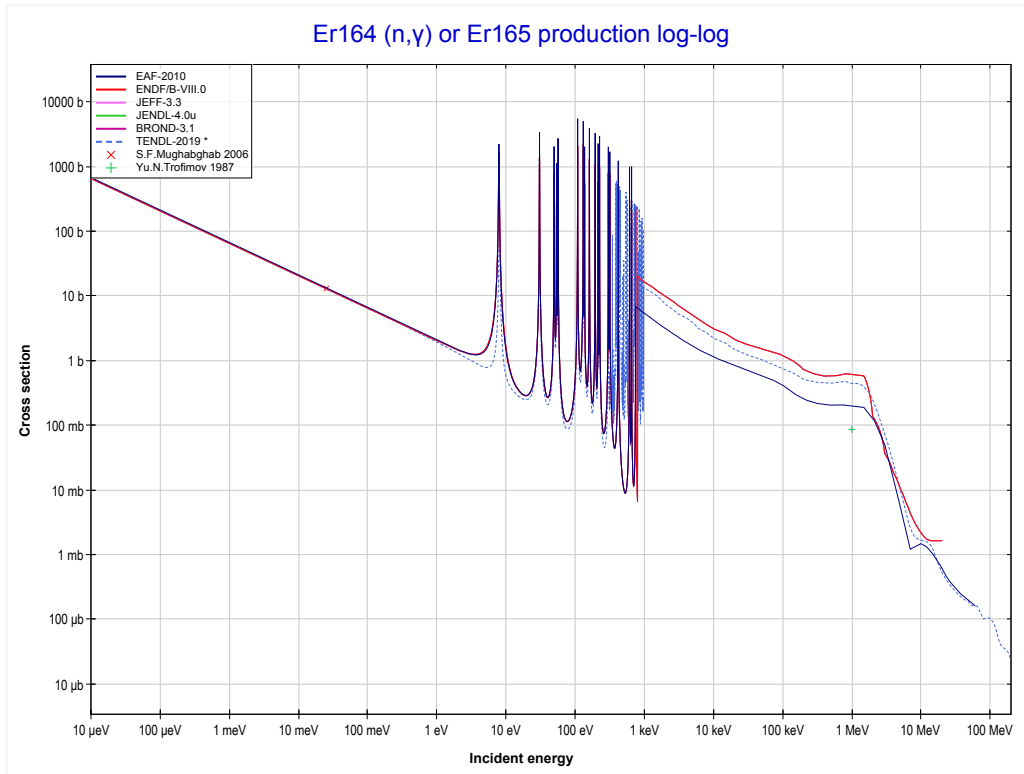
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.12784 b | 9.12784 b | 10.295 b | 1.12788 | 174.296 b | 4.67162 b | 2.71124 b |
| JEFF-3.3 | 9.13609 b | 9.13609 b | 10.304 b | 1.12788 | 174.282 b | 4.6716 b | 2.71124 b |
| JENDL-4.0u | 9.13609 b | 9.13609 b | 10.304 b | 1.12788 | 174.282 b | 4.6716 b | 2.71124 b |
| BROND-3.1 | 9.12784 b | 9.12784 b | 10.295 b | 1.12788 | 174.296 b | 4.67162 b | 2.71124 b |
| TENDL-2019 | 6.72014 b | 6.72014 b | 7.5801 b | 1.12797 | 248.064 b | 4.7711 b | 2.63932 b |

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|--------------------|--|-------------------------|
| << 68-Er-162 | 68-Er-164 | 68-Er-166 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Er163 production) | MT102 (n, γ) >> |



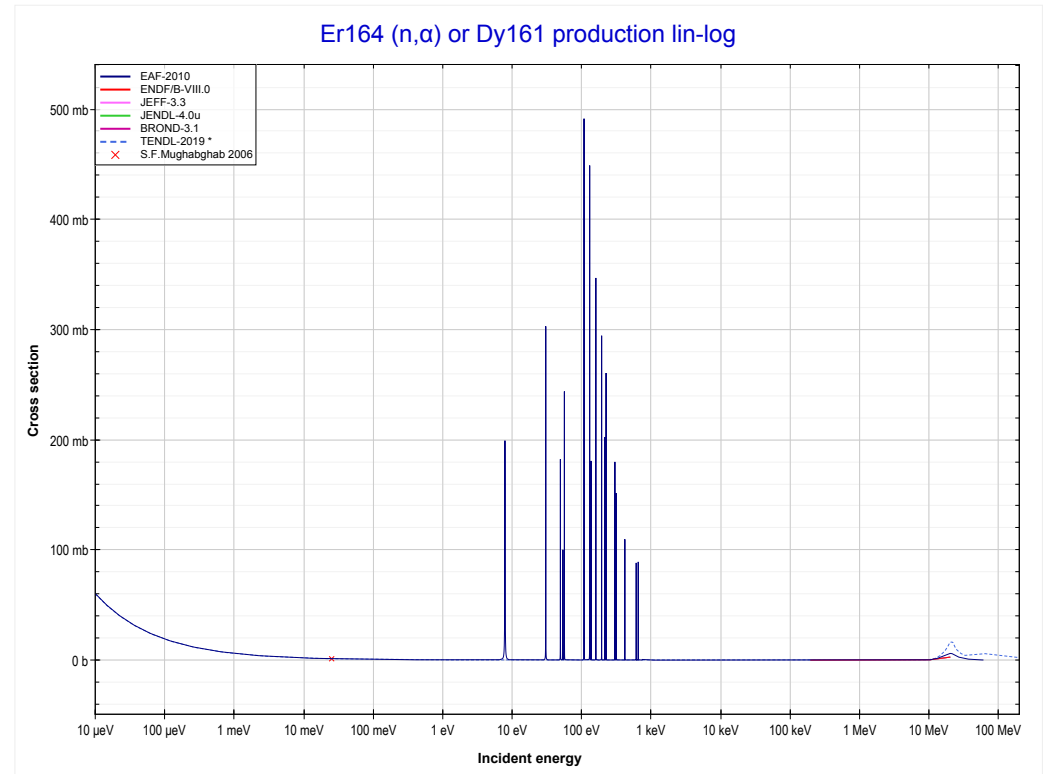
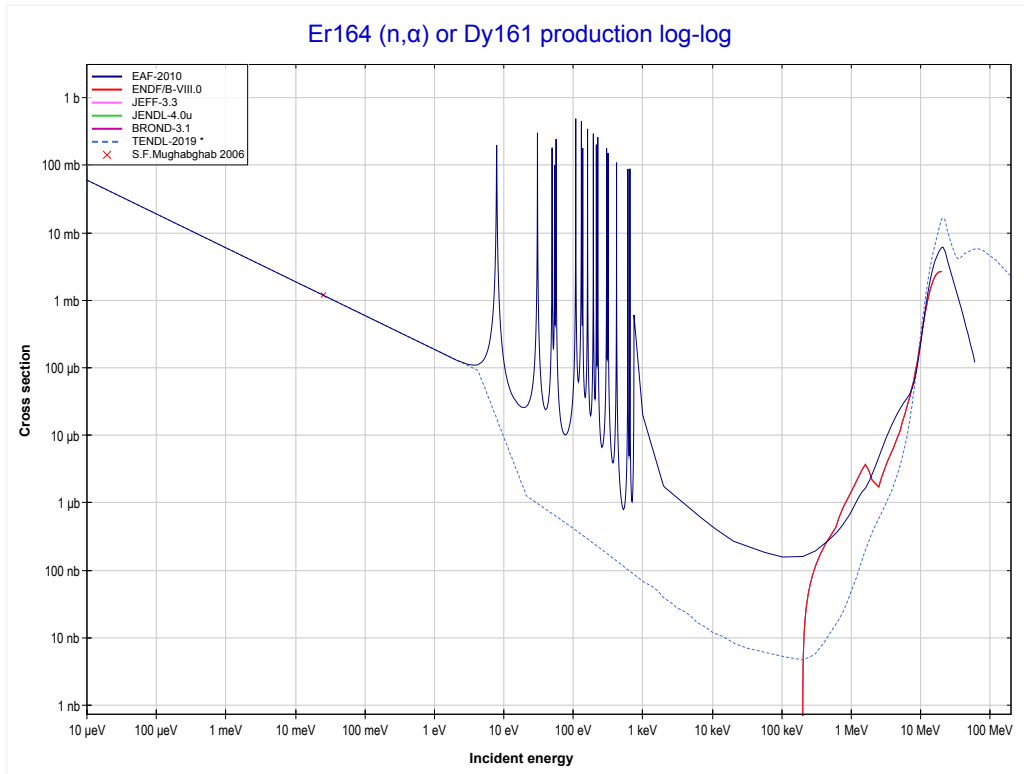
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0021324 b | 1.65577 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00272049 b | 2.03035 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00272049 b | 2.03035 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00272049 b | 2.03035 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00272049 b | 2.03035 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0028919 b | 1.87017 b |

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|----------------|--|-------------------------|
| << 68-Er-162 | 68-Er-164 | 68-Er-166 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Er165 production) | MT107 (n, α) >> |



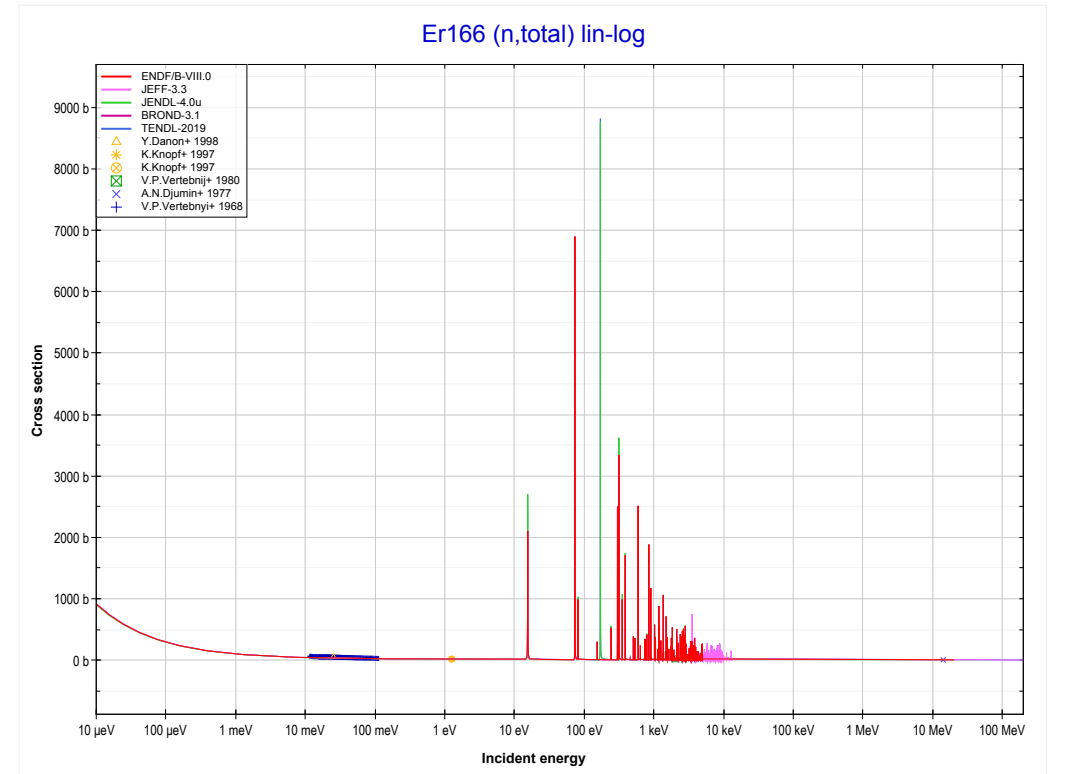
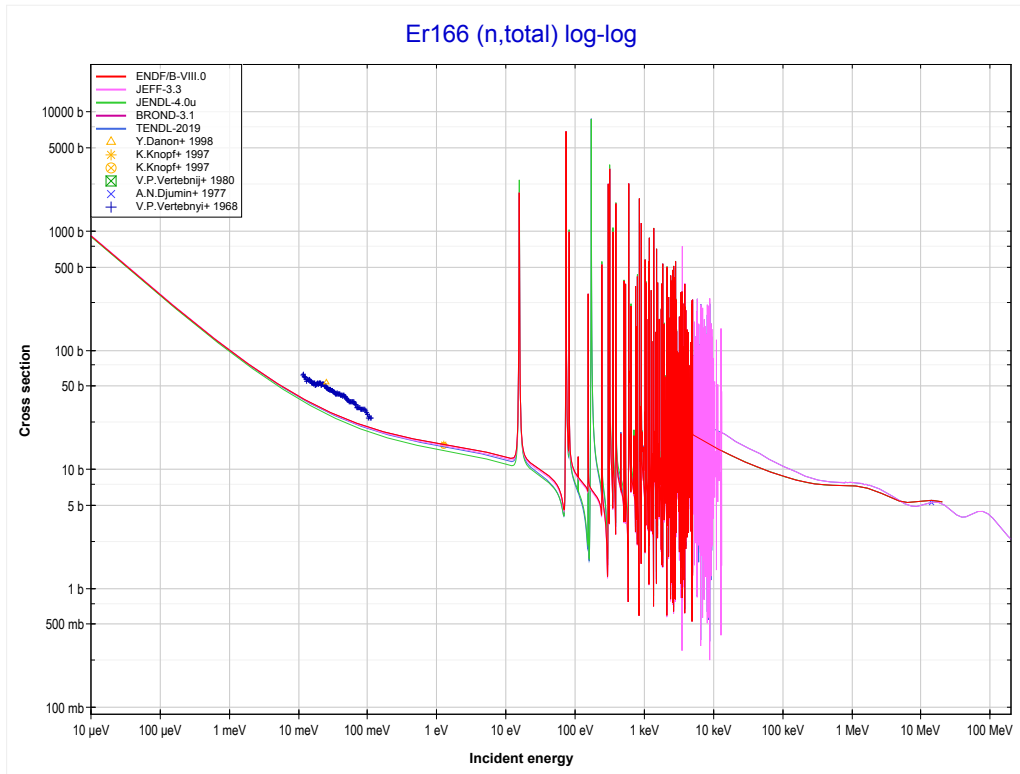
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 13.431 b | 13.4209 b | 13.415 b | 0.99959 | 141.199 b | 0.143341 b | 0.0011 b |
| ENDF/B-VIII.0 | 12.954 b | 12.954 b | 12.955 b | 1.00011 | 166.541 b | 0.374867 b | 0.00163 b |
| JEFF-3.3 | 12.8735 b | 12.8735 b | 12.875 b | 1.00009 | 164.15 b | 0.374854 b | 0.00163 b |
| JENDL-4.0u | 12.8735 b | 12.8735 b | 12.875 b | 1.00009 | 164.15 b | 0.374854 b | 0.00163 b |
| BROND-3.1 | 12.954 b | 12.954 b | 12.955 b | 1.00011 | 166.541 b | 0.374867 b | 0.00163 b |
| TENDL-2019 | 12.9459 b | 12.9459 b | 12.936 b | 0.99922 | 119.885 b | 0.300135 b | 0.0013619 b |

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|-------------------------|--|----------------------------|
| << 68-Er-162 | 68-Er-164 | 68-Er-166 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Dy161 production) | 68-Er-166 MT1 (n,total) >> |



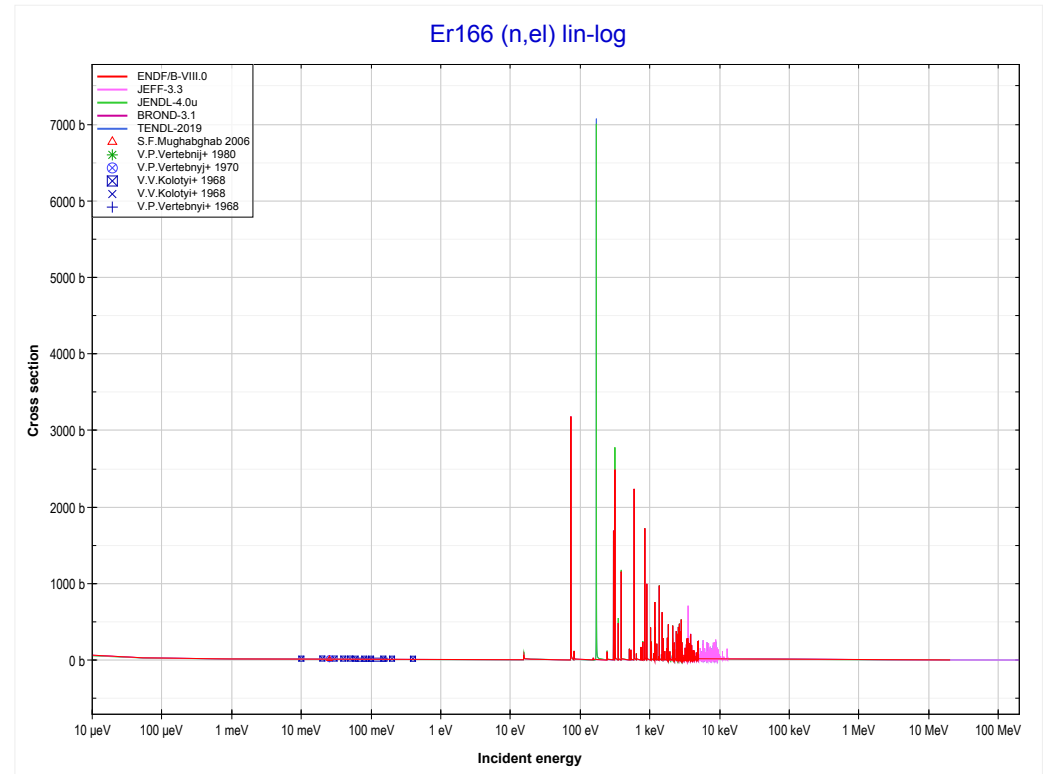
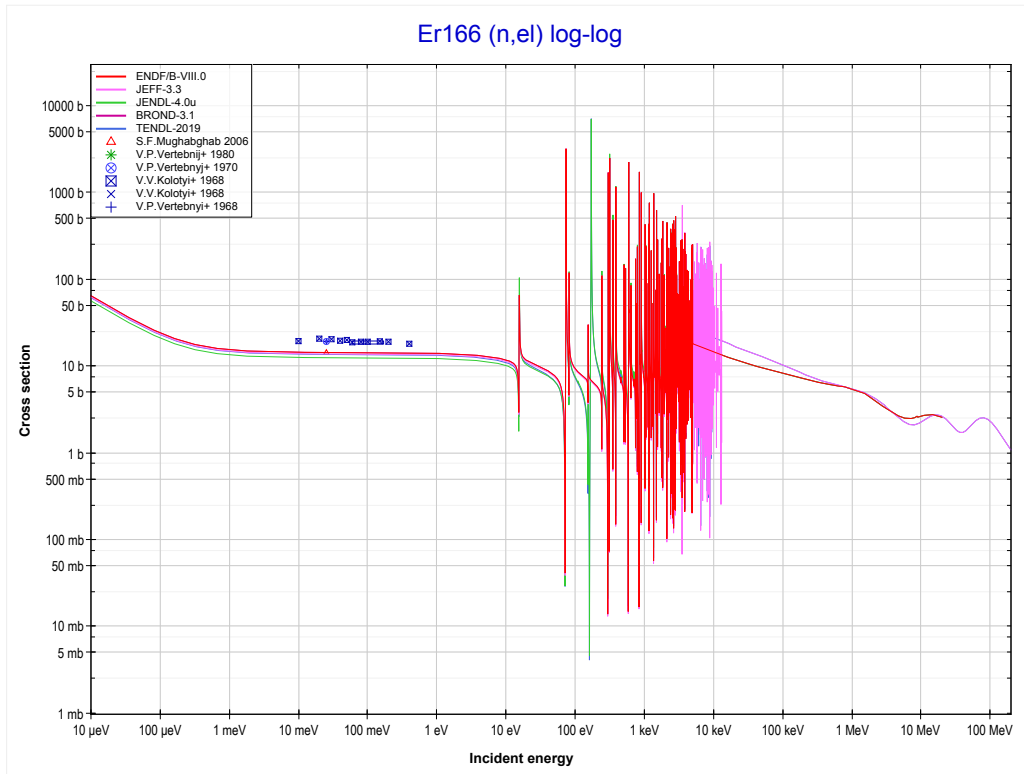
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0012 b | 0.0011991 b | 0.0011986 b | 0.99959 | 0.0118391 b | 7.47037E-6 b | 0.00218474 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.45691E-6 b | 0.00153849 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.45691E-6 b | 0.00153849 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.45691E-6 b | 0.00153849 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.45691E-6 b | 0.00153849 b |
| TENDL-2019 | 0.00119767 b | 0.00119767 b | 0.001197 b | 0.9994 | 3.89763E-4 b | 3.918E-6 b | 0.00343024 b |

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|-----------------------------------|----------------------|--------------------|
| << 68-Er-164 | 68-Er-166 | 68-Er-167 >> |
| << 68-Er-164 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



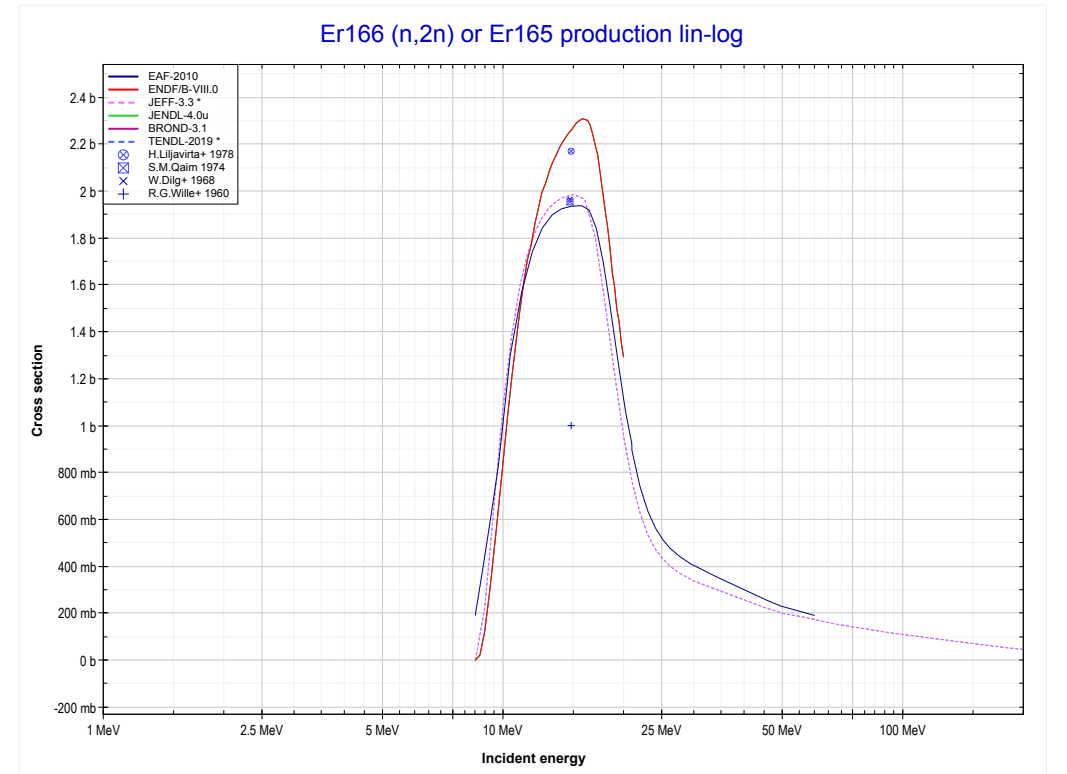
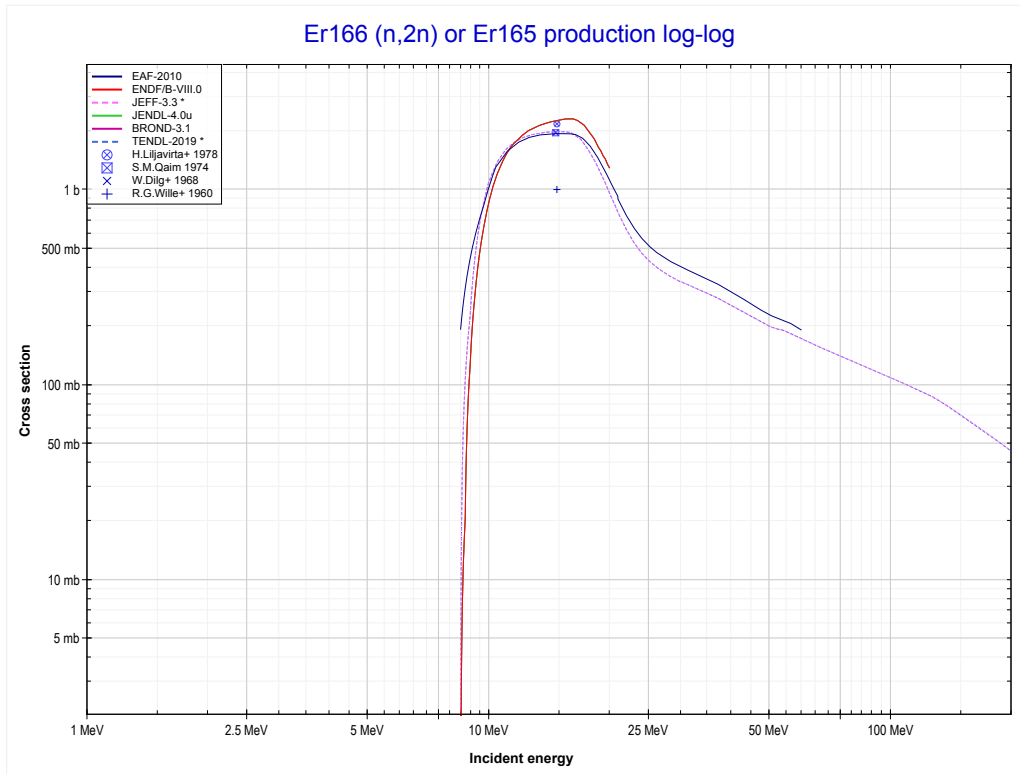
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 31.1535 b | 31.1535 b | 32.979 b | 1.05861 | 303.417 b | 6.81408 b | 5.5021 b |
| JEFF-3.3 | 30.8673 b | 30.8673 b | 32.621 b | 1.05683 | 307.802 b | 7.27579 b | 5.30164 b |
| JENDL-4.0u | 29.192 b | 29.192 b | 30.783 b | 1.05448 | 372.362 b | 6.81455 b | 5.5021 b |
| BROND-3.1 | 31.1535 b | 31.1535 b | 32.979 b | 1.05861 | 303.417 b | 6.81408 b | 5.5021 b |
| TENDL-2019 | 30.5166 b | 30.5166 b | 32.247 b | 1.05671 | 371.069 b | 7.27998 b | 5.30165 b |

| | | |
|------------------|------------------------|----------------|
| << 68-Er-164 | 68-Er-166 | 68-Er-167 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



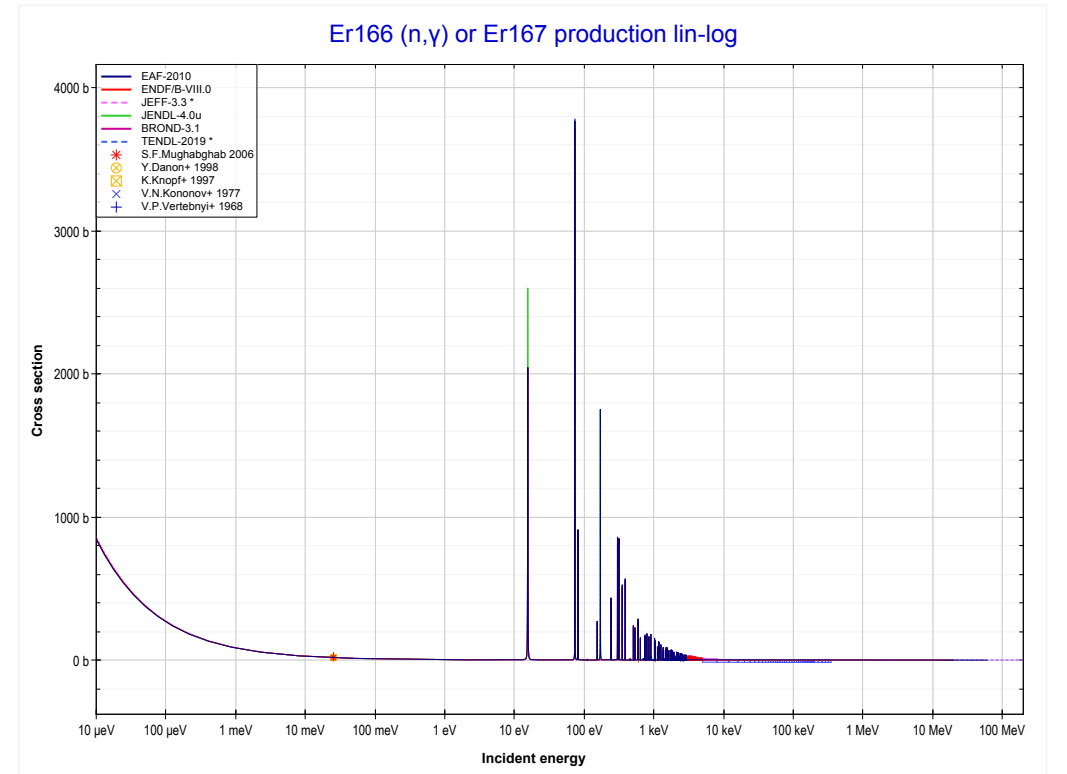
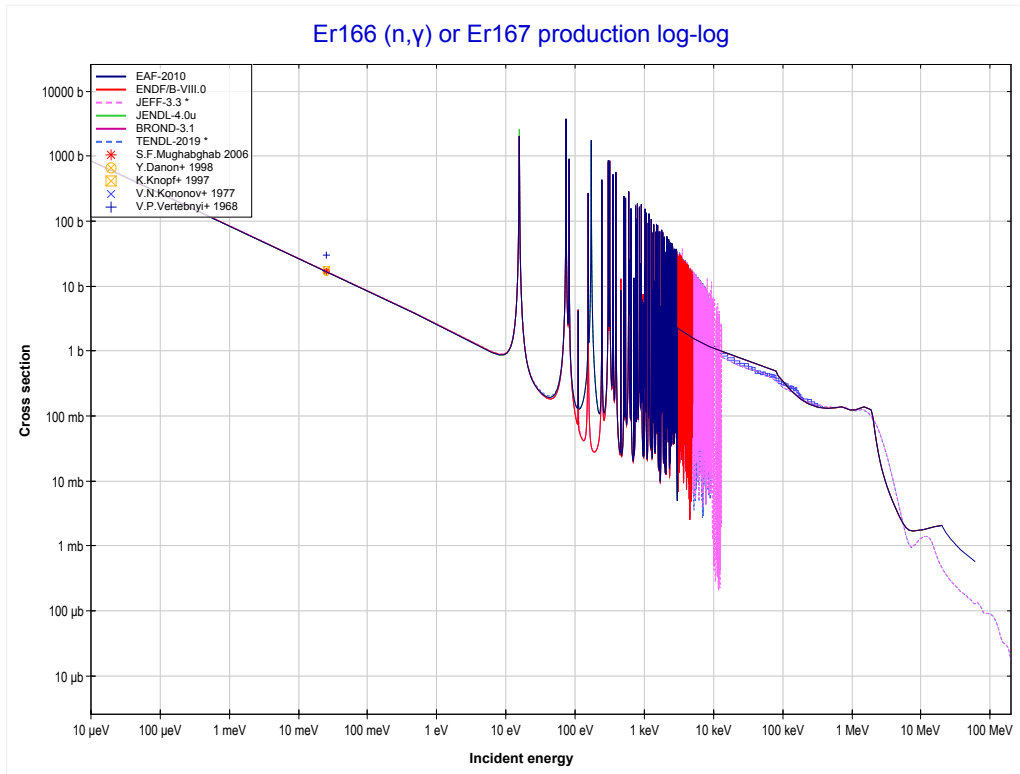
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.2787 b | 14.2787 b | 16.104 b | 1.12782 | 205.817 b | 4.64752 b | 2.75532 b |
| JEFF-3.3 | 13.7263 b | 13.7263 b | 15.481 b | 1.12783 | 210.808 b | 4.85679 b | 2.65109 b |
| JENDL-4.0u | 12.4458 b | 12.4458 b | 14.036 b | 1.1278 | 253.984 b | 4.64794 b | 2.75532 b |
| BROND-3.1 | 14.2787 b | 14.2787 b | 16.104 b | 1.12782 | 205.817 b | 4.64752 b | 2.75532 b |
| TENDL-2019 | 13.579 b | 13.579 b | 15.315 b | 1.12784 | 260.664 b | 4.86094 b | 2.65109 b |

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|--------------------|--|-------------------------|
| << 68-Er-164 | 68-Er-166 | 68-Er-168 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Er165 production) | MT102 (n, γ) >> |



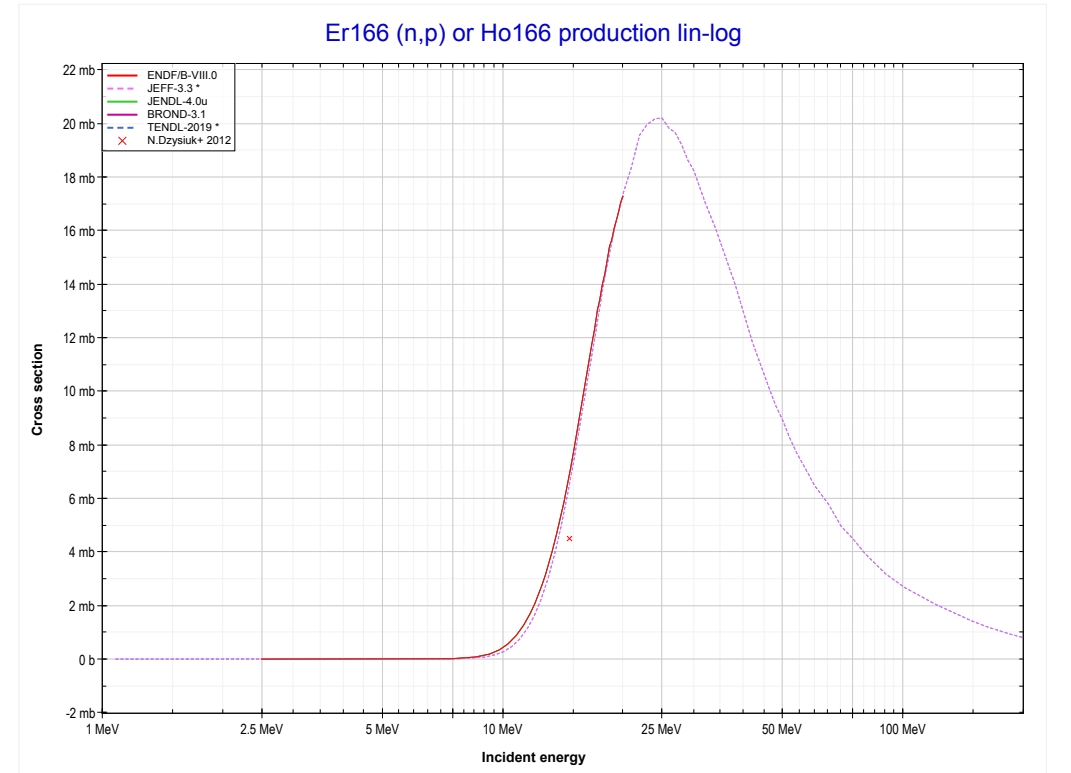
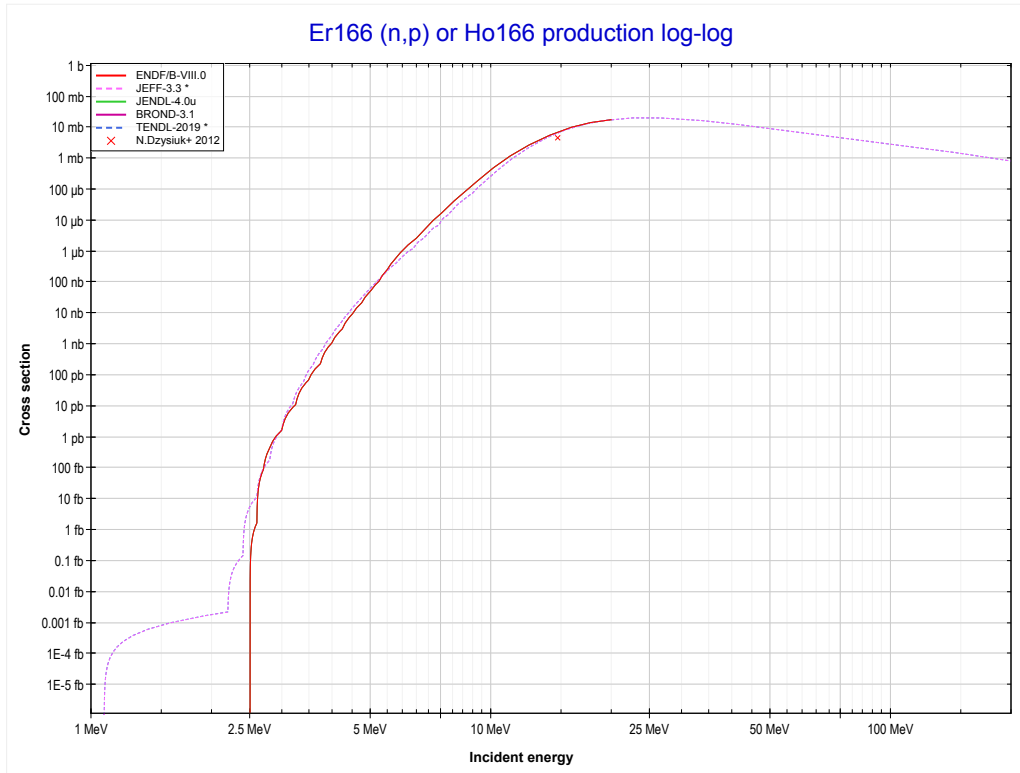
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00449116 b | 1.92454 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00390444 b | 2.20233 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00447002 b | 1.97007 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00390444 b | 2.20233 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00390444 b | 2.20233 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00447952 b | 1.97027 b |

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|----------------|--|----------------|
| << 68-Er-164 | 68-Er-166 | 68-Er-167 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Er167 production) | MT103 (n,p) >> |



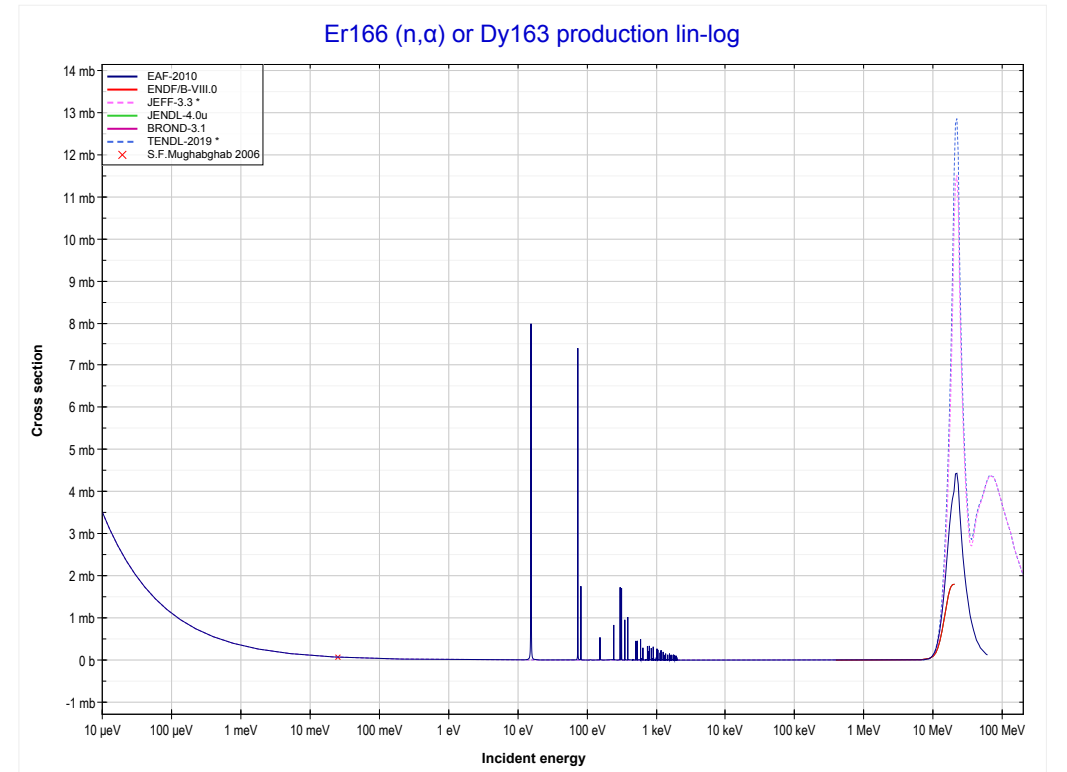
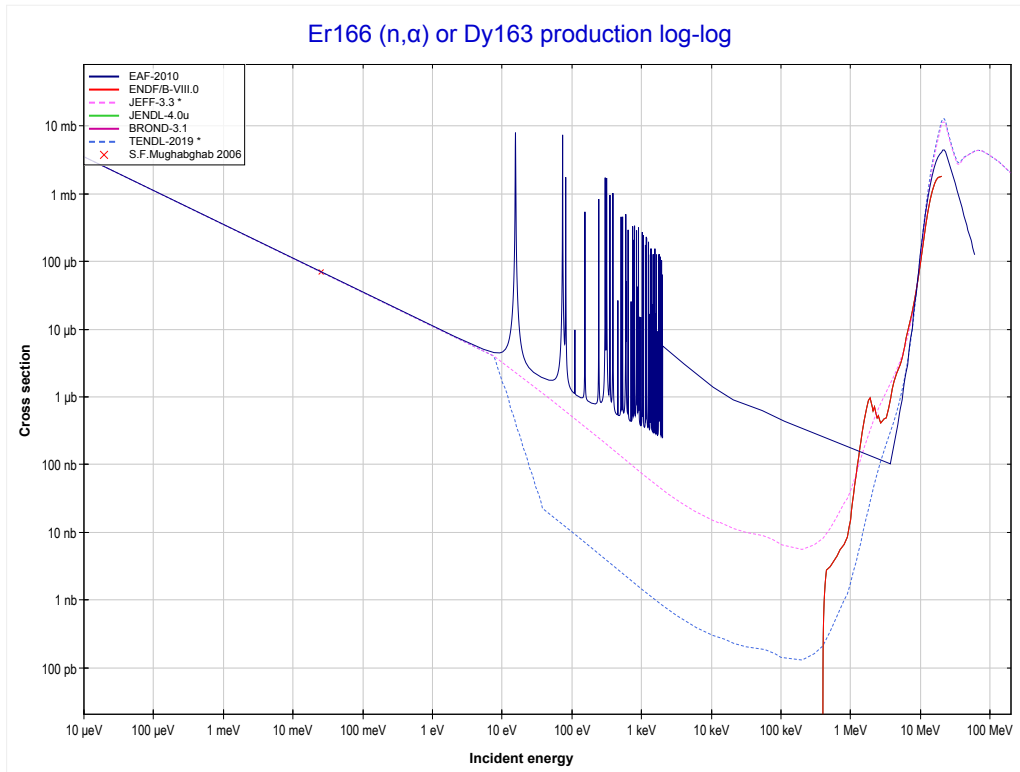
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 16.7655 b | 16.7533 b | 16.747 b | 0.99965 | 111.658 b | 0.0956422 b | 0.0019333 b |
| ENDF/B-VIII.0 | 16.8749 b | 16.8749 b | 16.876 b | 1.00004 | 97.5835 b | 0.0955964 b | 0.0019333 b |
| JEFF-3.3 | 17.1409 b | 17.1409 b | 17.14 b | 0.99997 | 96.974 b | 0.0978163 b | 0.00121356 b |
| JENDL-4.0u | 16.7462 b | 16.7462 b | 16.746 b | 1 | 118.362 b | 0.0956419 b | 0.0019333 b |
| BROND-3.1 | 16.8749 b | 16.8749 b | 16.876 b | 1.00004 | 97.5835 b | 0.0955964 b | 0.0019333 b |
| TENDL-2019 | 16.9376 b | 16.9376 b | 16.932 b | 0.99968 | 110.368 b | 0.0964829 b | 0.00121262 b |

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|-------------------------|--|-------------------------|
| << 68-Er-162 | 68-Er-166 | 68-Er-167 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ho166 production) | MT107 (n, α) >> |



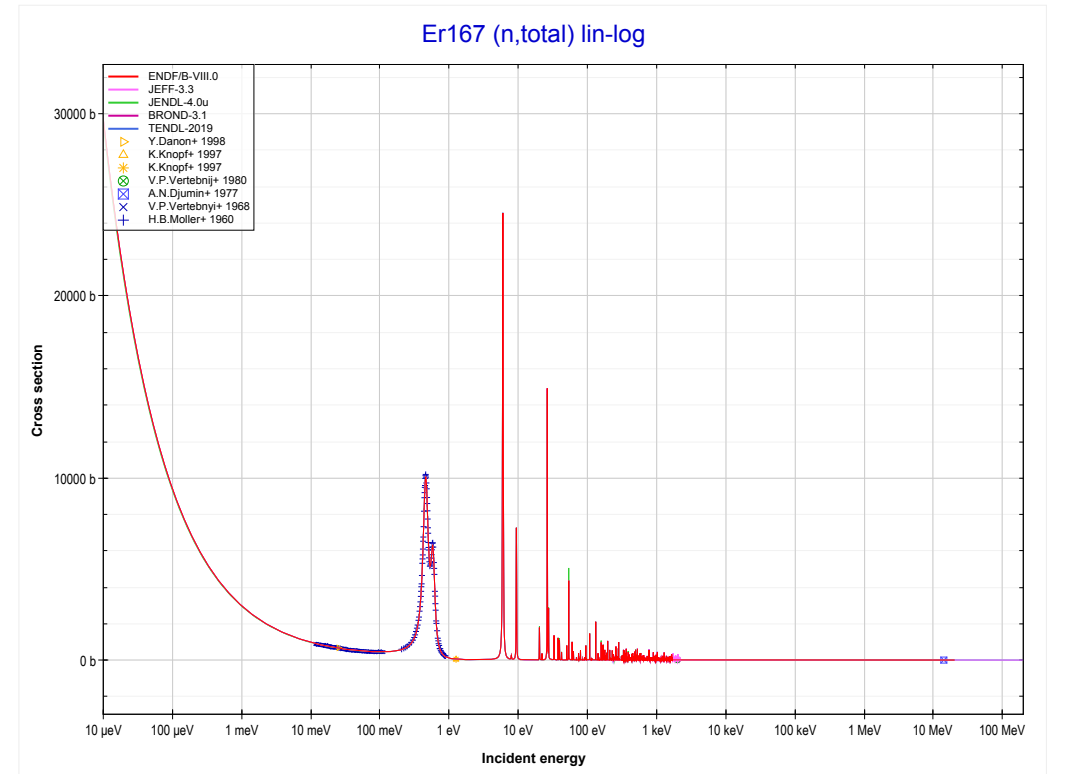
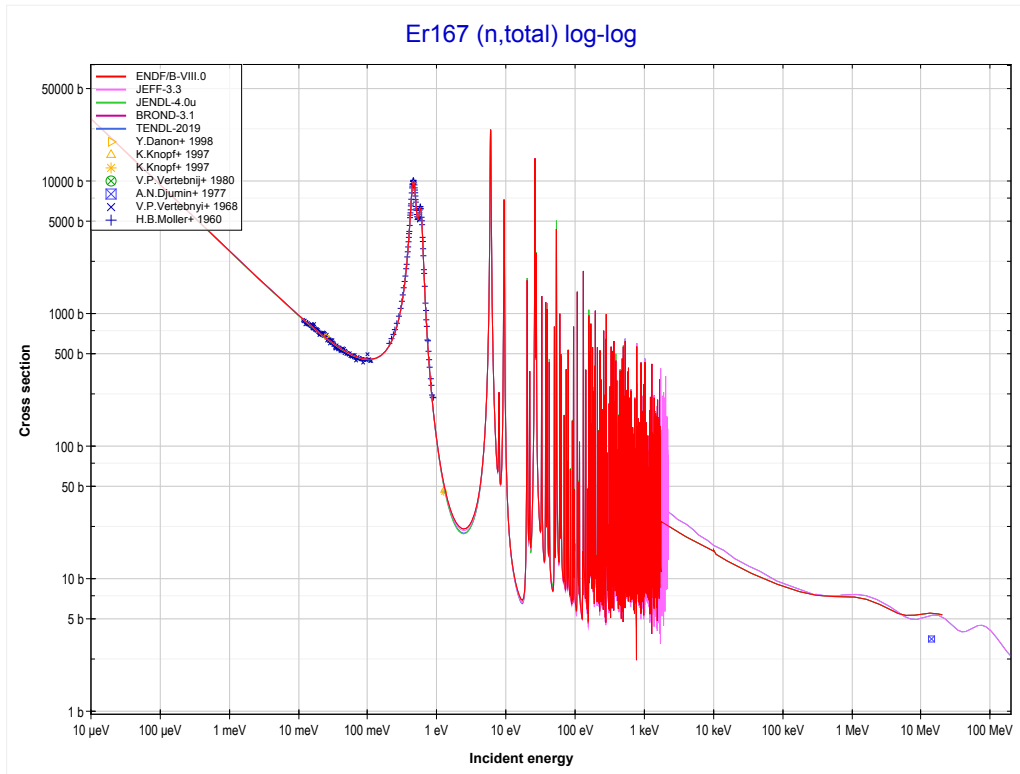
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.45041E-6 b | 0.00537481 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.48557E-6 b | 0.00493904 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.45041E-6 b | 0.00537481 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.45041E-6 b | 0.00537481 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.48609E-6 b | 0.00493951 b |

| | | |
|----------------|--|----------------------------|
| << 68-Er-164 | 68-Er-166 | 68-Er-167 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Dy163 production) | 68-Er-167 MT1 (n,total) >> |



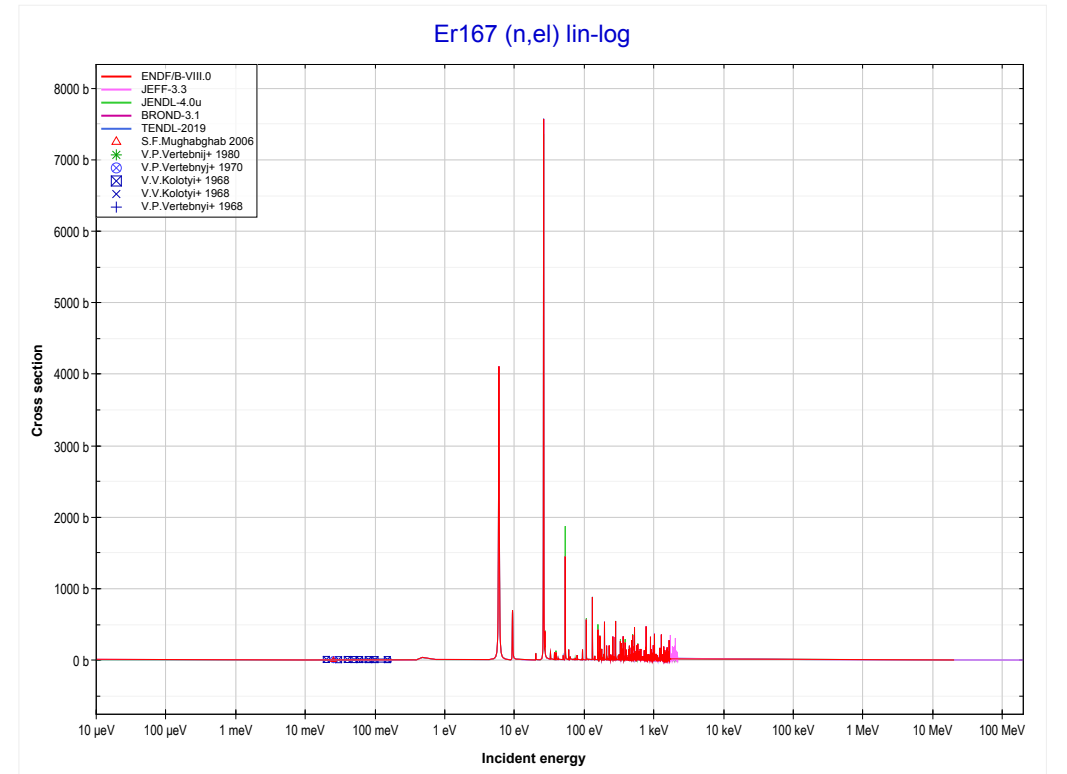
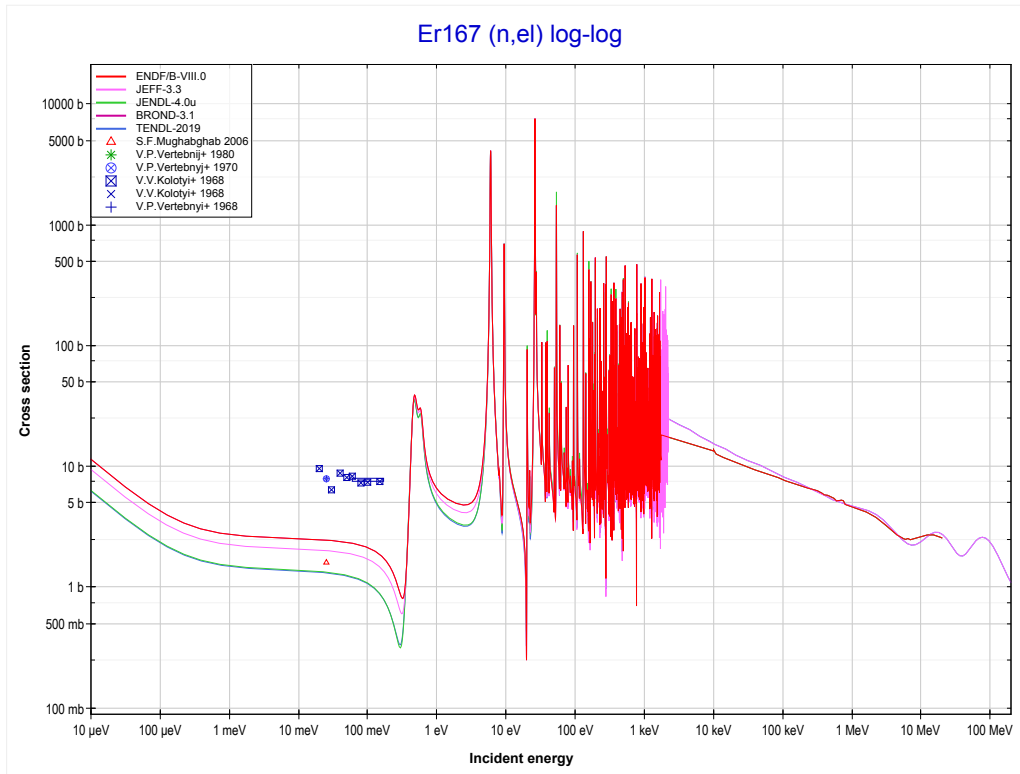
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7E-5 b | 6.99476E-5 b | 6.9932E-5 b | 0.99978 | 2.80046E-4 b | 1.5251E-6 b | 0.00141102 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59685E-6 b | 8.5628E-4 b |
| JEFF-3.3 | 6.99196E-5 b | 6.99196E-5 b | 6.9917E-5 b | 0.99997 | 2.84993E-5 b | 2.04012E-6 b | 0.00163675 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.59685E-6 b | 8.5628E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59685E-6 b | 8.5628E-4 b |
| TENDL-2019 | 7.00126E-5 b | 7.00126E-5 b | 6.9995E-5 b | 0.99976 | 2.47511E-5 b | 1.67476E-6 b | 0.00198631 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 68-Er-166 | 68-Er-167 | 68-Er-168 >> |
| << 68-Er-166 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



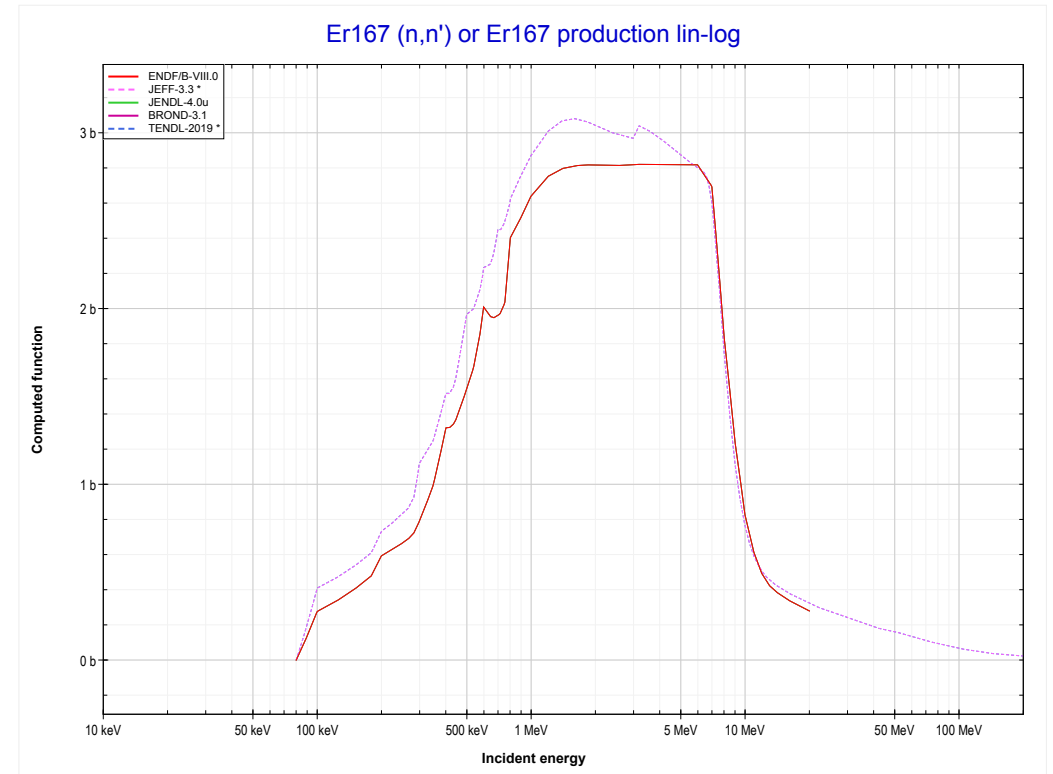
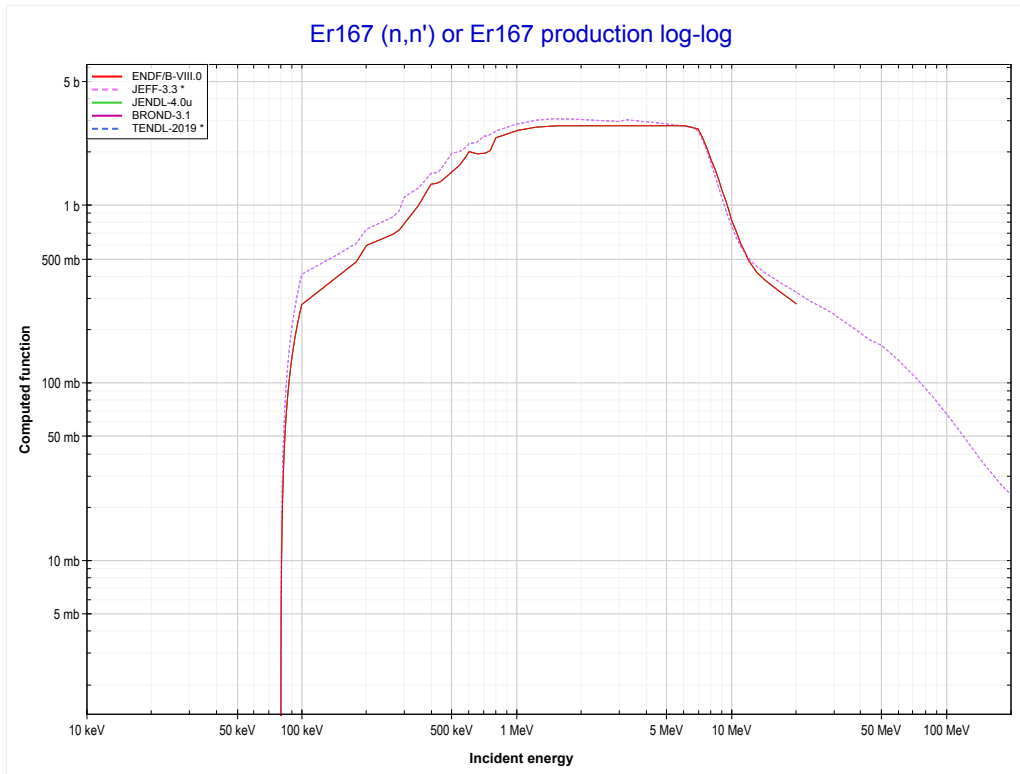
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 652.254 b | 652.254 b | 696.85 b | 1.06837 | 3491.03 b | 6.83237 b | 5.5187 b |
| JEFF-3.3 | 651.797 b | 651.797 b | 696.31 b | 1.06829 | 3499.38 b | 7.12112 b | 5.30442 b |
| JENDL-4.0u | 645.522 b | 645.522 b | 690.2 b | 1.06921 | 3489.56 b | 6.83308 b | 5.51719 b |
| BROND-3.1 | 652.254 b | 652.254 b | 696.85 b | 1.06837 | 3491.03 b | 6.83237 b | 5.5187 b |
| TENDL-2019 | 650.644 b | 650.644 b | 694.85 b | 1.06794 | 3496.63 b | 7.12141 b | 5.30442 b |

| | | |
|------------------|------------------------|---------------|
| << 68-Er-166 | 68-Er-167 | 68-Er-168 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



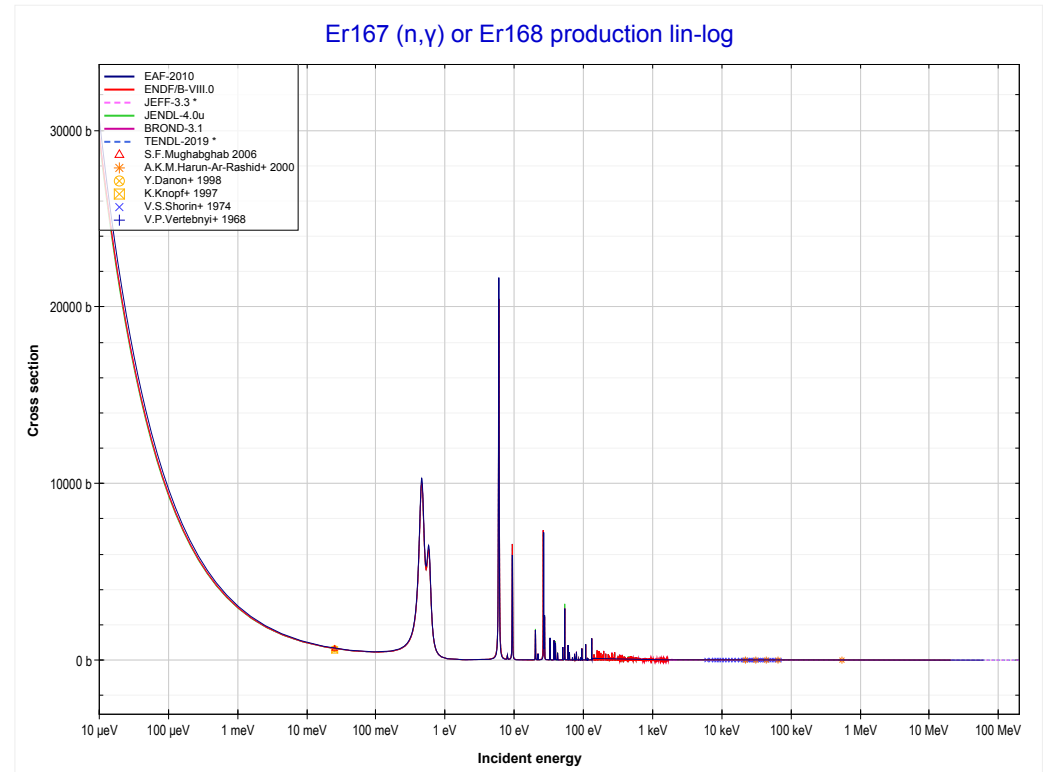
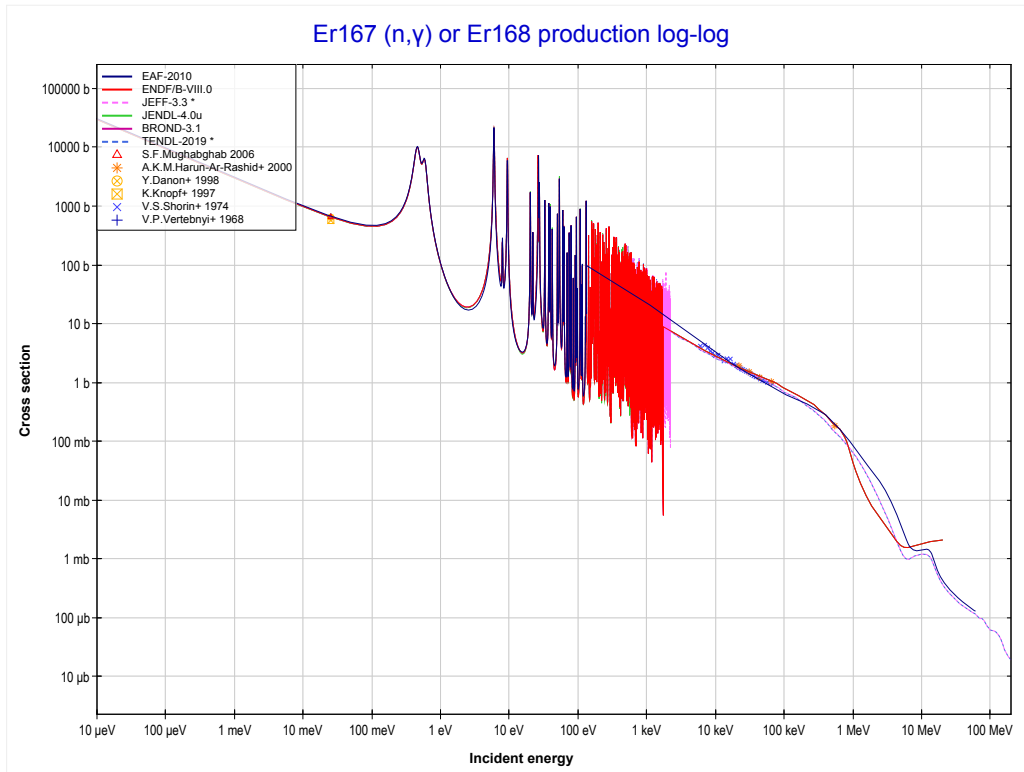
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.45682 b | 2.45682 b | 2.6496 b | 1.07845 | 493.781 b | 4.32029 b | 2.72365 b |
| JEFF-3.3 | 2.0114 b | 2.0114 b | 2.1566 b | 1.07219 | 501.331 b | 4.40445 b | 2.77135 b |
| JENDL-4.0u | 1.33447 b | 1.33447 b | 1.4109 b | 1.0573 | 489.191 b | 4.32092 b | 2.72214 b |
| BROND-3.1 | 2.45682 b | 2.45682 b | 2.6496 b | 1.07845 | 493.781 b | 4.32029 b | 2.72365 b |
| TENDL-2019 | 1.31522 b | 1.31522 b | 1.3916 b | 1.05805 | 500.869 b | 4.4059 b | 2.77135 b |

| | | |
|--------------------|---|-------------------------|
| << 67-Ho-165 | 68-Er-167 | 70-Yb-176 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Er167 production) | MT102 (n, γ) >> |



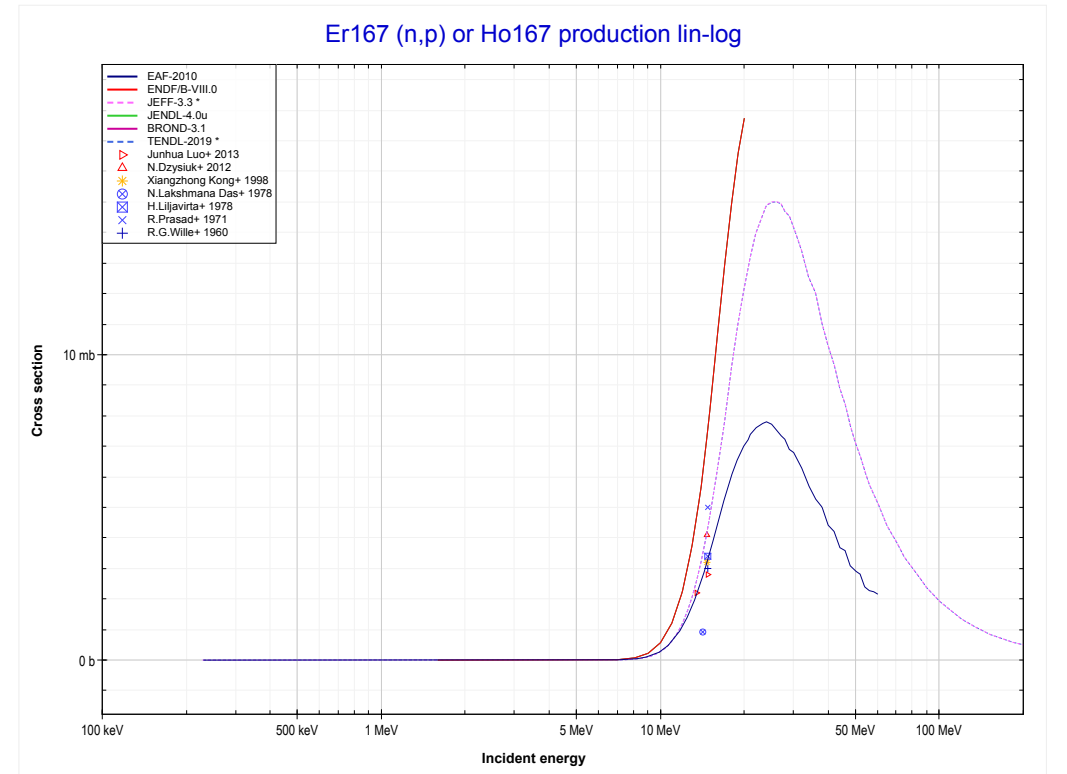
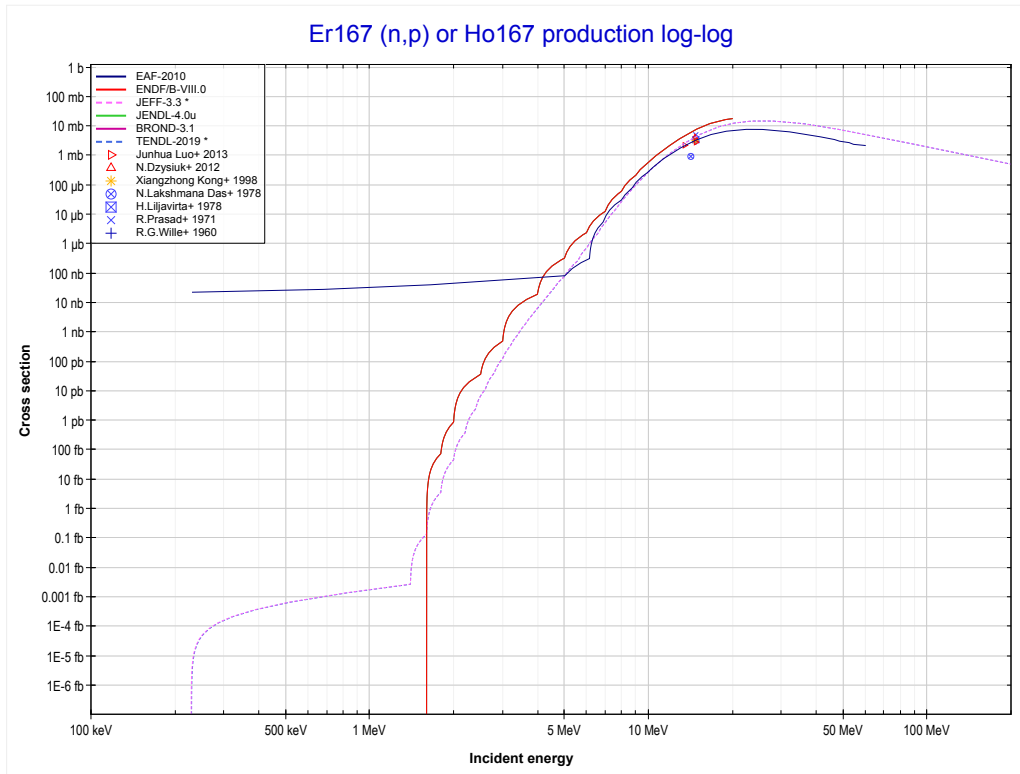
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0300844 b | 2.40099 b | 0.387909 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0444004 b | 2.61263 b | 0.425048 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.0300844 b | 2.40099 b | 0.387909 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0300844 b | 2.40099 b | 0.387909 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.0444945 b | 2.6132 b | 0.424819 b |

| | | |
|---------------|--|----------------|
| << 68-Er-166 | 68-Er-167 | 68-Er-168 >> |
| << MT4 (n,n') | MT102 (n,y) or MT5 (Er168 production) | MT103 (n,p) >> |



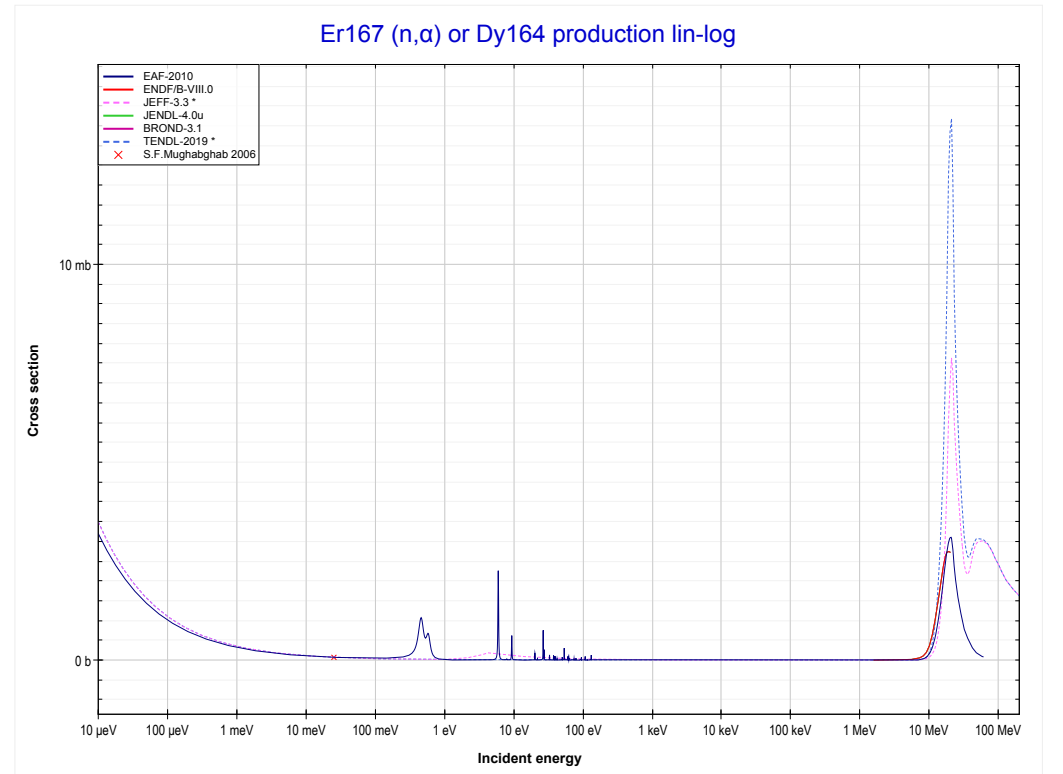
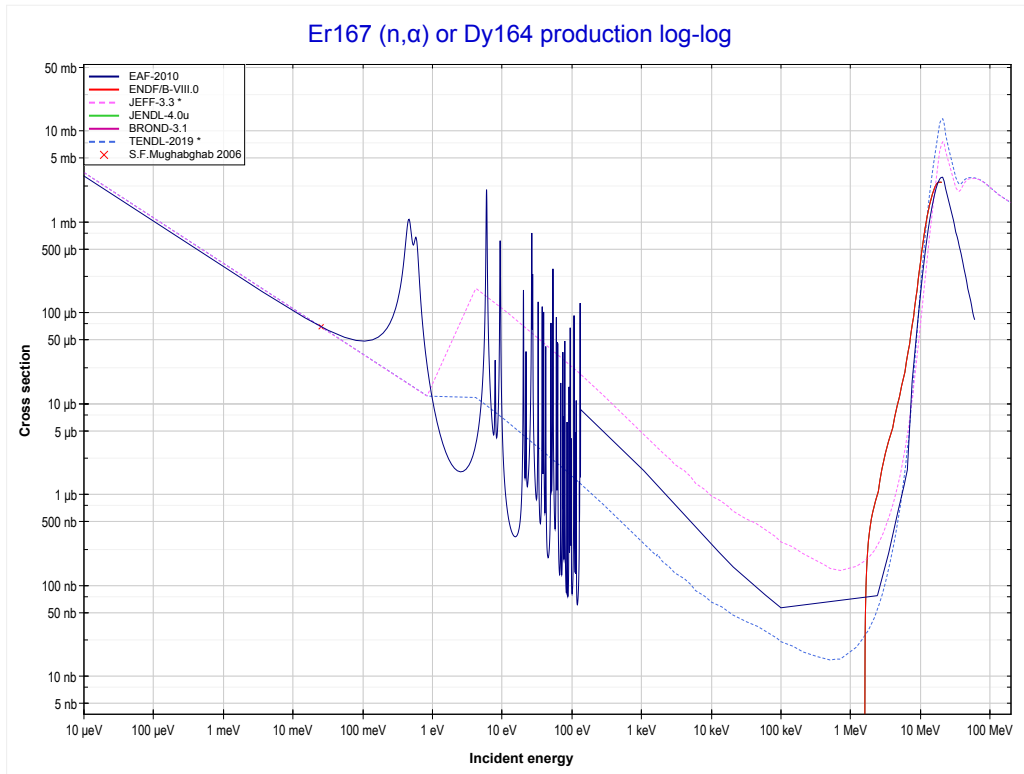
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 671.384 b | 670.982 b | 717.03 b | 1.06879 | 3046.85 b | 0.104803 b | 0.00122502 b |
| ENDF/B-VIII.0 | 649.797 b | 649.797 b | 694.2 b | 1.06833 | 2997.22 b | 0.0941332 b | 0.00197976 b |
| JEFF-3.3 | 649.785 b | 649.785 b | 694.15 b | 1.06828 | 2998 b | 0.087618 b | 9.68751E-4 b |
| JENDL-4.0u | 644.188 b | 644.188 b | 688.79 b | 1.06923 | 3000.33 b | 0.094203 b | 0.00197818 b |
| BROND-3.1 | 649.797 b | 649.797 b | 694.2 b | 1.06833 | 2997.22 b | 0.0941332 b | 0.00197976 b |
| TENDL-2019 | 649.329 b | 649.329 b | 693.46 b | 1.06796 | 2995.73 b | 0.0864551 b | 9.68194E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 68-Er-166 | 68-Er-167 | 68-Er-168 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ho167 production) | MT107 (n, α) >> |



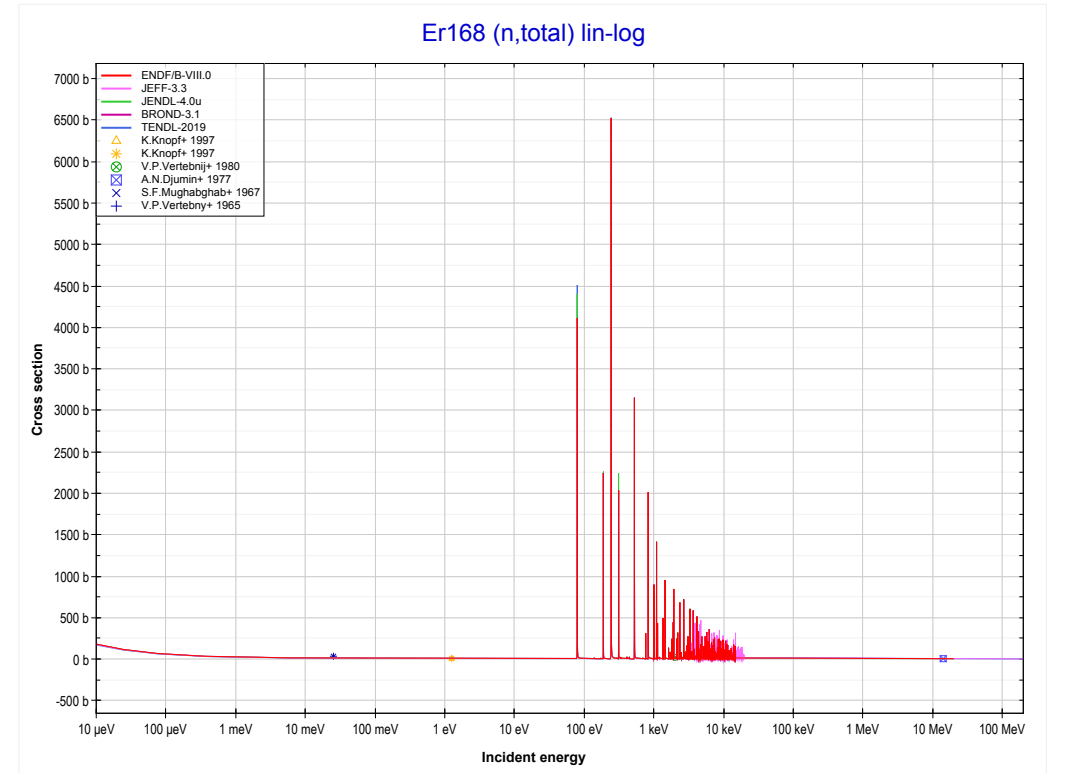
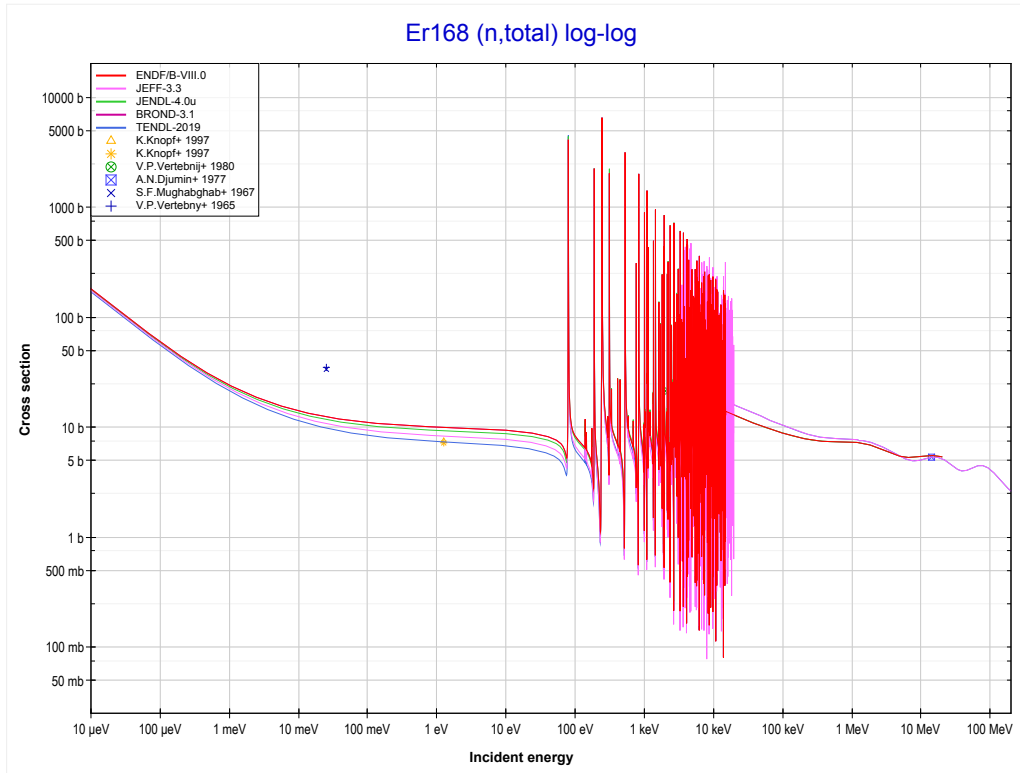
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.6749E-6 b | 0.00257819 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.6033E-6 b | 0.00564108 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.81805E-6 b | 0.00321835 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.6033E-6 b | 0.00564108 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.6033E-6 b | 0.00564108 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.81514E-6 b | 0.00321632 b |

| | | |
|----------------|--|----------------------------|
| << 68-Er-166 | 68-Er-167 | 68-Er-168 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Dy164 production) | 68-Er-168 MT1 (n,total) >> |



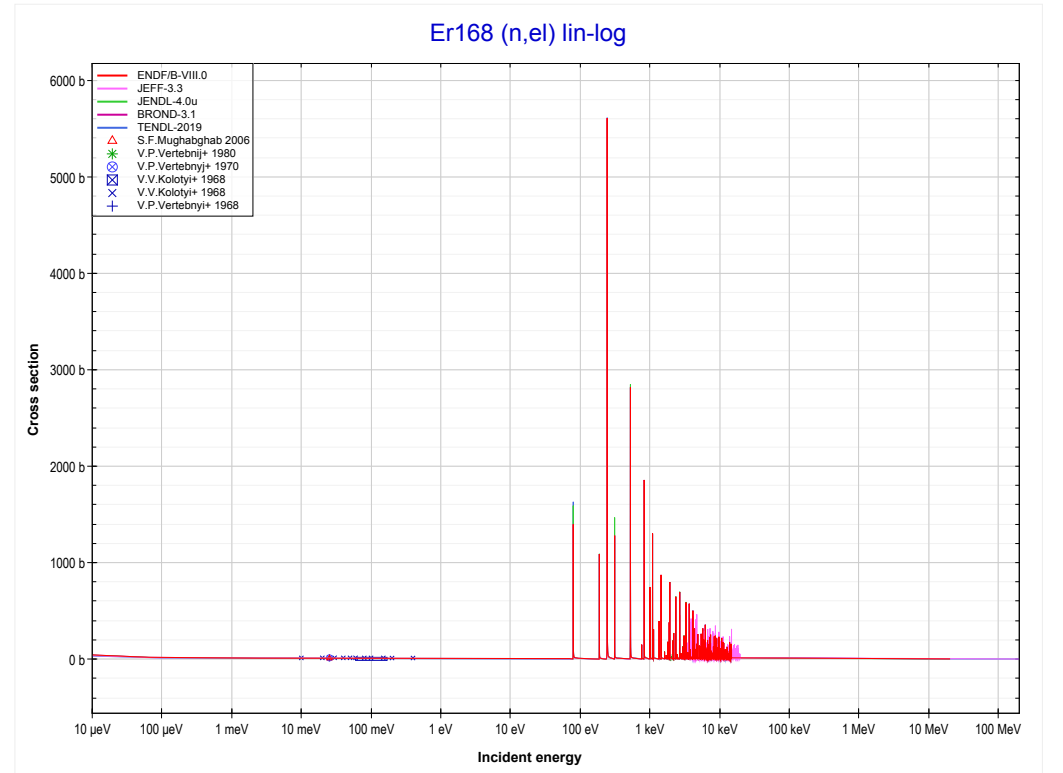
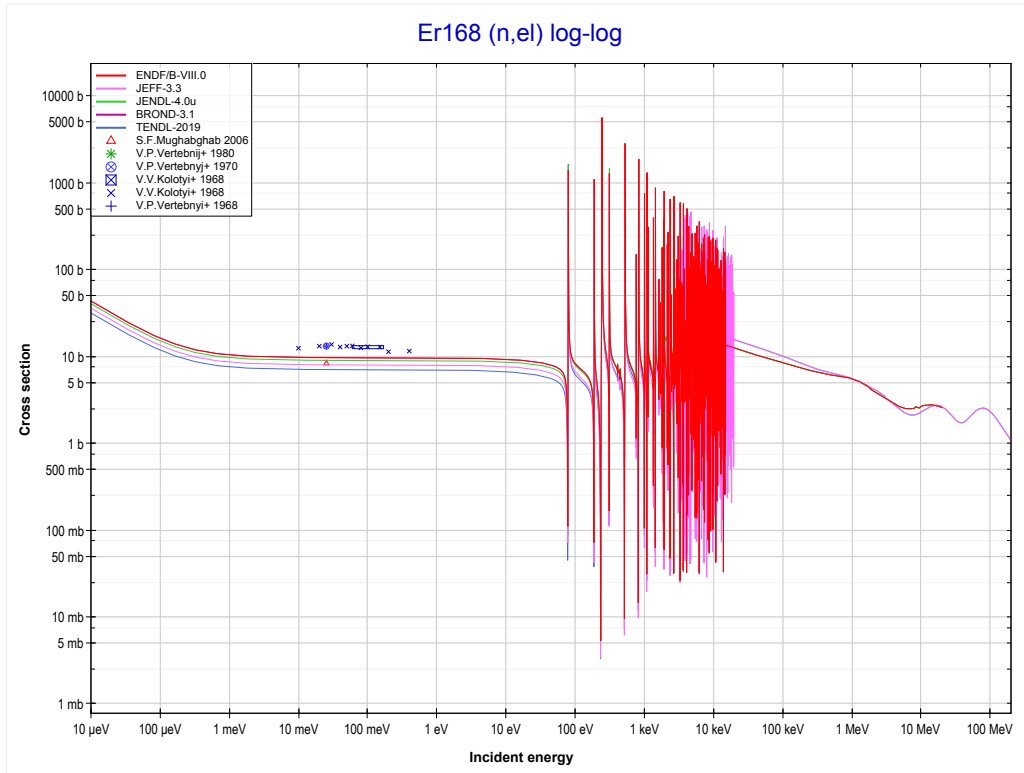
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7E-5 b | 6.9958E-5 b | 7.4759E-5 b | 1.06879 | 3.15459E-4 b | 1.53222E-6 b | 0.00118811 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.0713E-6 b | 0.00169684 b |
| JEFF-3.3 | 6.93367E-5 b | 6.93367E-5 b | 6.936E-5 b | 1.00033 | 4.06747E-4 b | 1.23788E-6 b | 8.5413E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.07131E-6 b | 0.00169684 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.07131E-6 b | 0.00169684 b |
| TENDL-2019 | 6.96303E-5 b | 6.96303E-5 b | 6.9621E-5 b | 0.99987 | 4.49684E-5 b | 2.11177E-6 b | 0.0024294 b |

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|-----------------------------------|----------------------|--------------------|
| << 68-Er-167 | 68-Er-168 | 68-Er-170 >> |
| << 68-Er-167 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



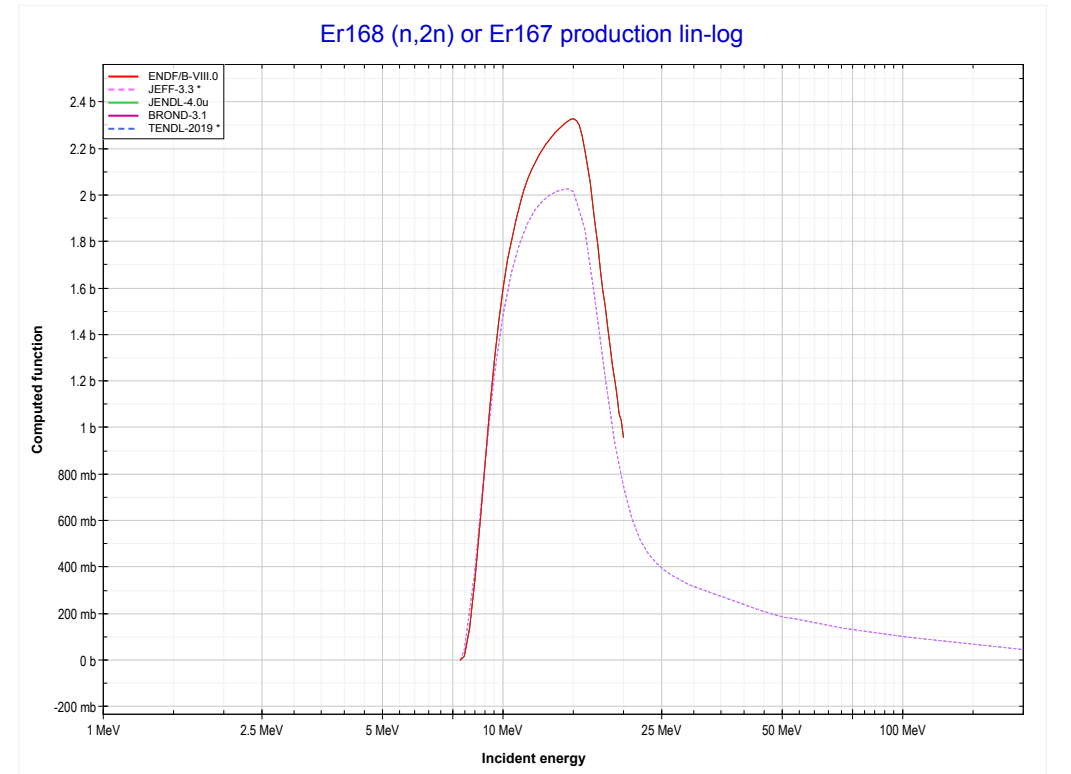
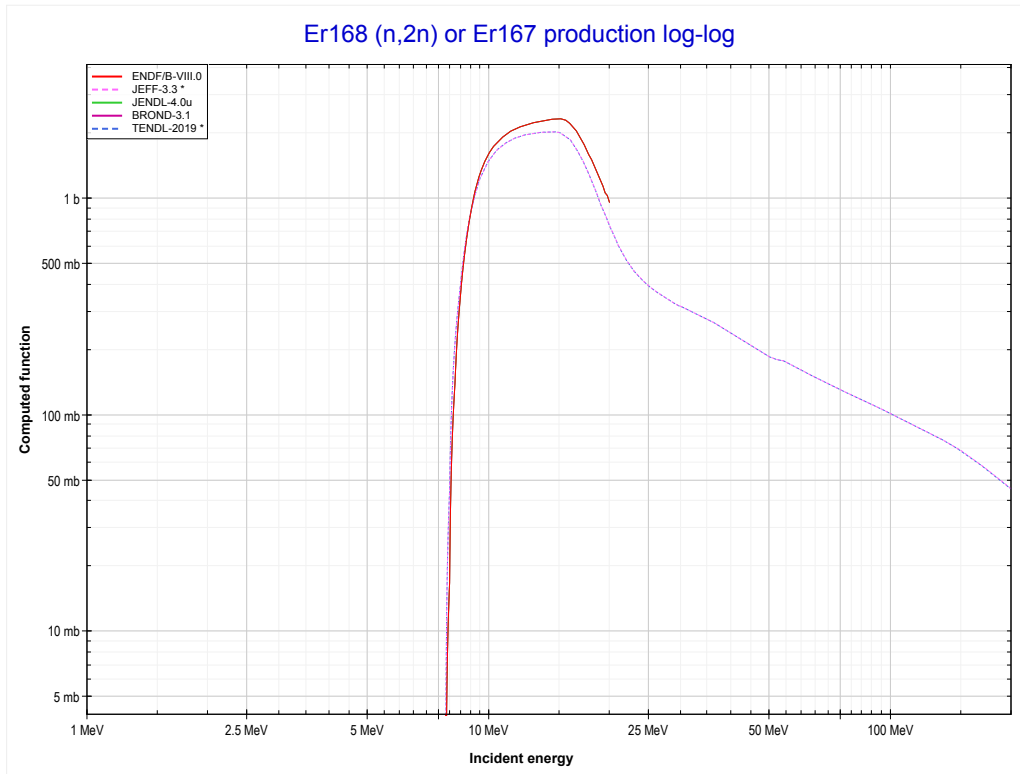
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.4031 b | 12.4031 b | 13.643 b | 1.09999 | 232.973 b | 6.8482 b | 5.5353 b |
| JEFF-3.3 | 10.7458 b | 10.7458 b | 11.771 b | 1.09538 | 235.258 b | 7.26233 b | 5.34306 b |
| JENDL-4.0u | 11.7144 b | 11.7144 b | 12.868 b | 1.09845 | 236.791 b | 6.84973 b | 5.5353 b |
| BROND-3.1 | 12.4031 b | 12.4031 b | 13.643 b | 1.09999 | 232.974 b | 6.8482 b | 5.5353 b |
| TENDL-2019 | 9.79199 b | 9.79199 b | 10.695 b | 1.09223 | 223.533 b | 7.25795 b | 5.34307 b |

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|------------------|------------------------|----------------|
| << 68-Er-167 | 68-Er-168 | 68-Er-170 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



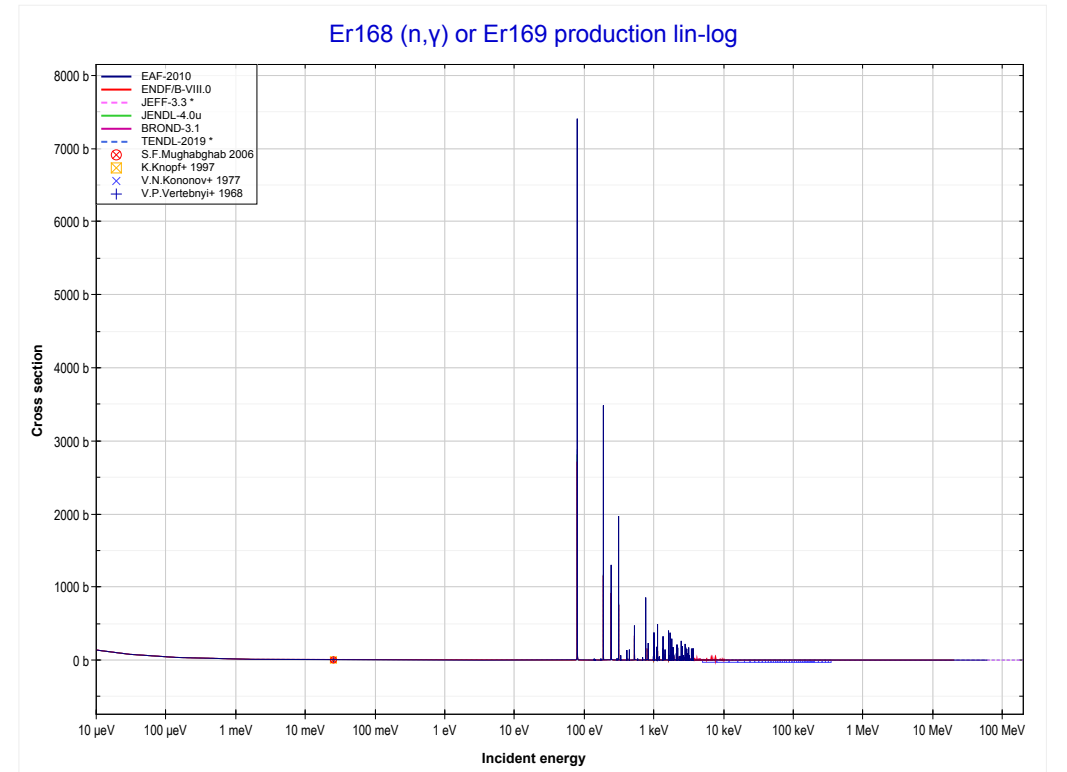
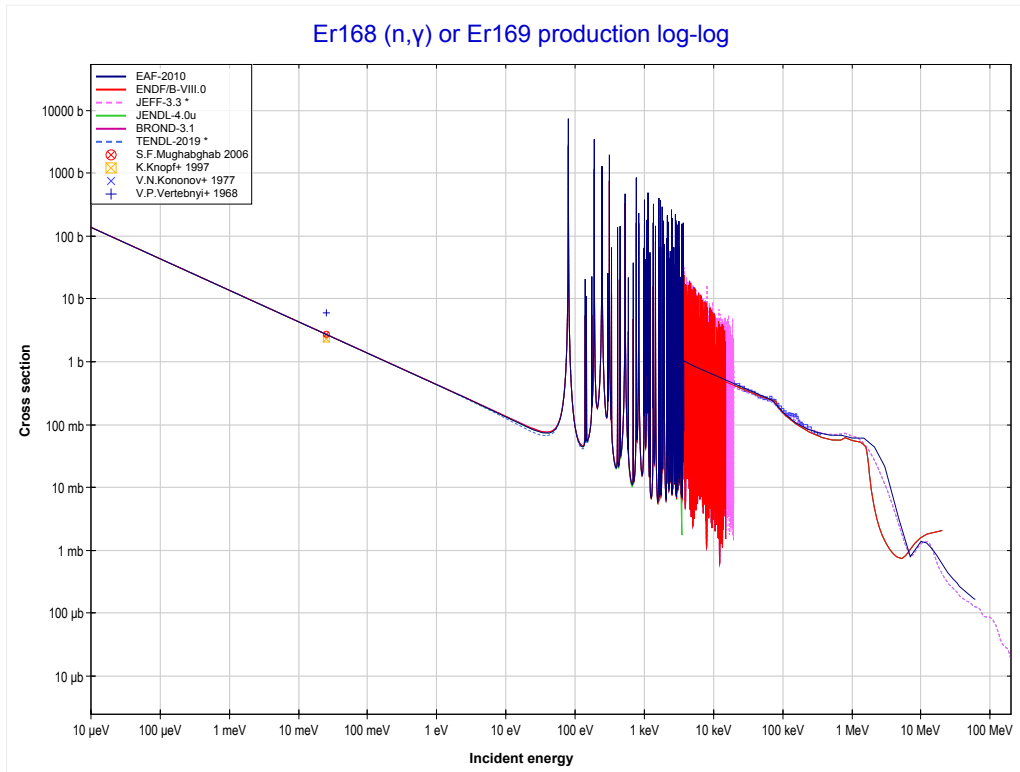
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.66115 b | 9.66115 b | 10.9 b | 1.12826 | 196.048 b | 4.67335 b | 2.76975 b |
| JEFF-3.3 | 7.98571 b | 7.98571 b | 9.0099 b | 1.12825 | 197.528 b | 4.85272 b | 2.66449 b |
| JENDL-4.0u | 8.98481 b | 8.98481 b | 10.137 b | 1.12826 | 198.665 b | 4.67459 b | 2.76975 b |
| BROND-3.1 | 9.66115 b | 9.66115 b | 10.9 b | 1.12826 | 196.048 b | 4.67335 b | 2.76975 b |
| TENDL-2019 | 7.04197 b | 7.04197 b | 7.9453 b | 1.12828 | 185.26 b | 4.84836 b | 2.66449 b |

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|--------------------|--|-------------------------|
| << 68-Er-166 | 68-Er-168 | 68-Er-170 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Er167 production) | MT102 (n, γ) >> |



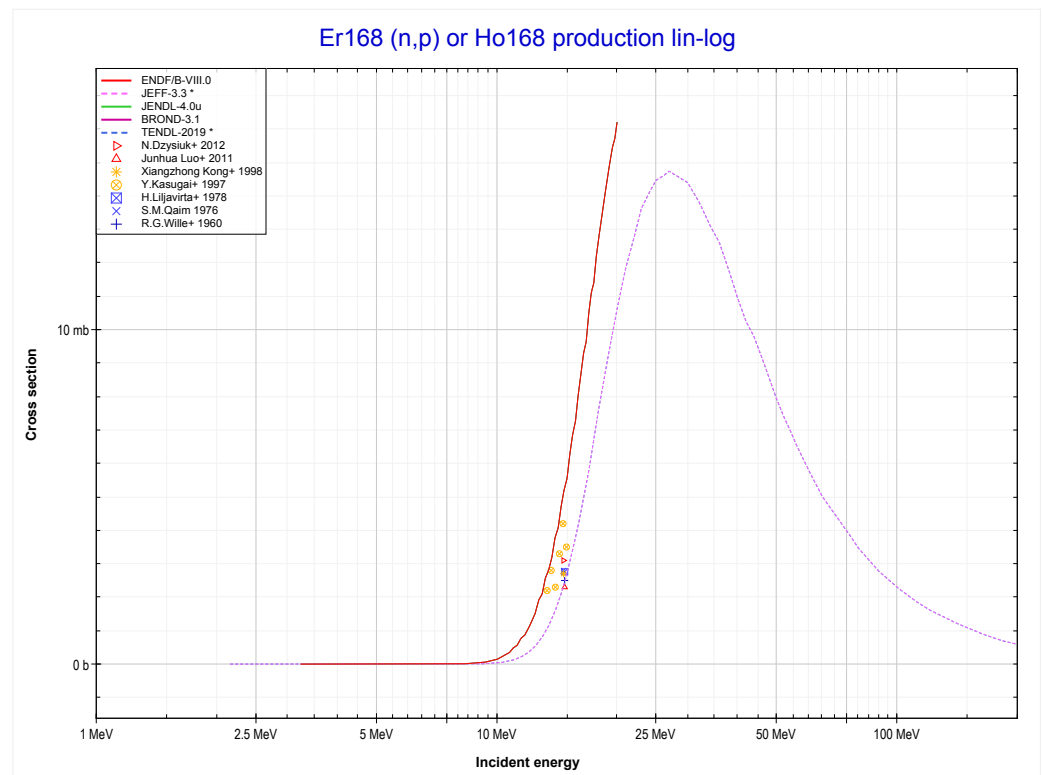
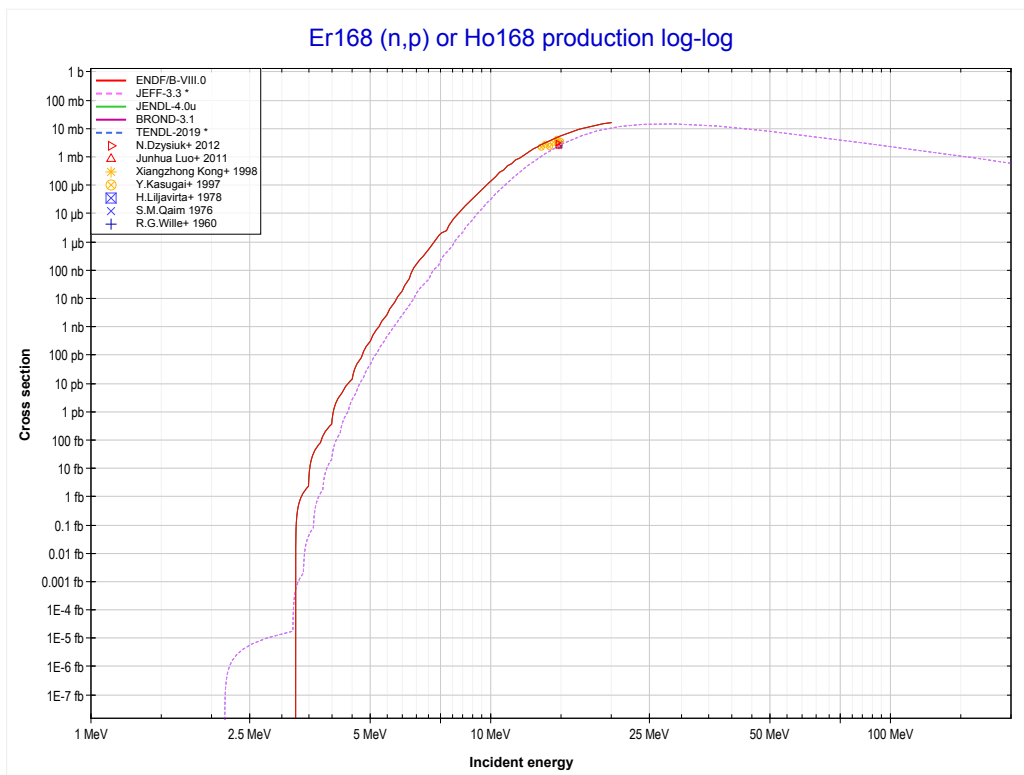
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00755702 b | 2.29193 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00727016 b | 2.02264 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00755702 b | 2.29193 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00755702 b | 2.29193 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00727864 b | 2.02241 b |

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|----------------|--|----------------|
| << 68-Er-167 | 68-Er-168 | 68-Er-170 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Er169 production) | MT103 (n,p) >> |



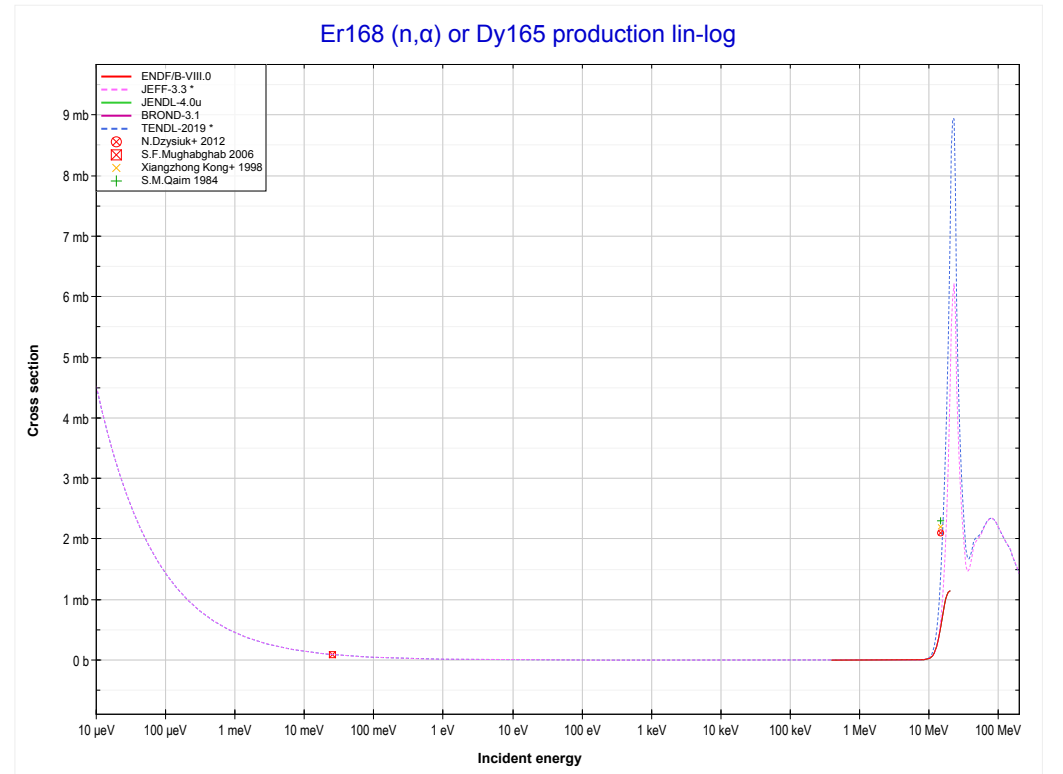
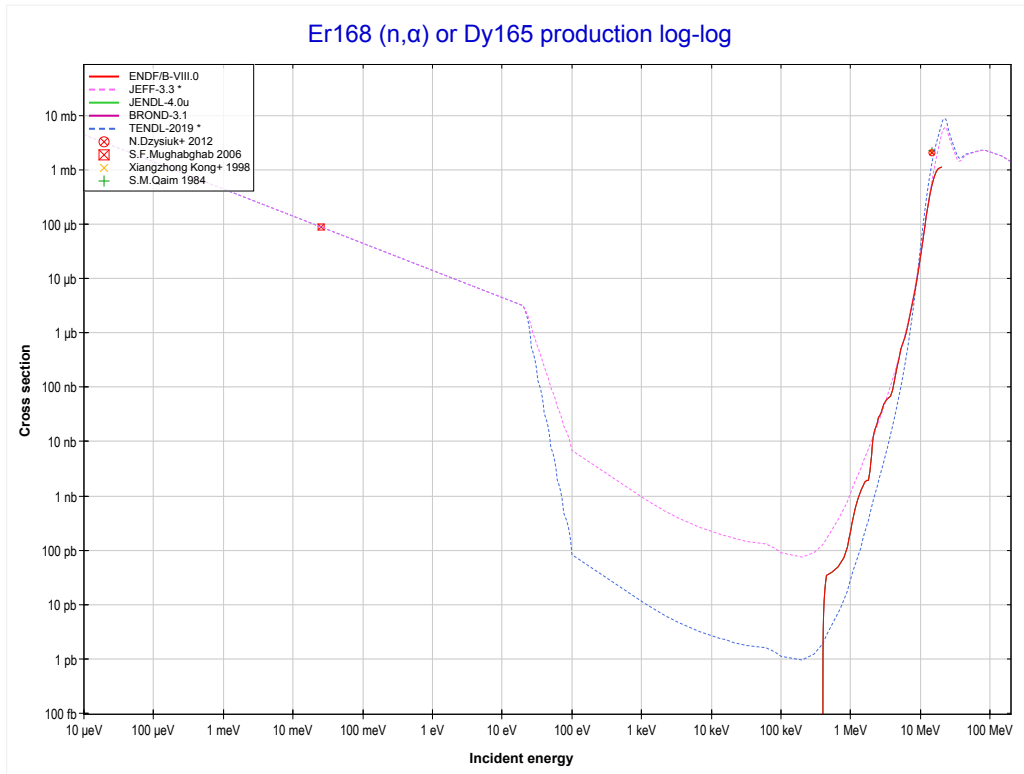
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.7416 b | 2.73954 b | 2.7393 b | 0.9999 | 37.224 b | 0.0502385 b | 0.0011 b |
| ENDF/B-VIII.0 | 2.74198 b | 2.74198 b | 2.743 b | 1.00037 | 36.9069 b | 0.0356878 b | 0.00189858 b |
| JEFF-3.3 | 2.76003 b | 2.76003 b | 2.7607 b | 1.00026 | 37.7069 b | 0.046318 b | 0.00115764 b |
| JENDL-4.0u | 2.72963 b | 2.72963 b | 2.7306 b | 1.00034 | 38.1081 b | 0.0359732 b | 0.00189858 b |
| BROND-3.1 | 2.74198 b | 2.74198 b | 2.743 b | 1.00037 | 36.9069 b | 0.0356878 b | 0.00189858 b |
| TENDL-2019 | 2.74993 b | 2.74993 b | 2.7496 b | 0.99989 | 38.2478 b | 0.0453247 b | 0.00115668 b |

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|-------------------------|--|-------------------------|
| << 68-Er-167 | 68-Er-168 | 68-Er-170 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ho168 production) | MT107 (n, α) >> |



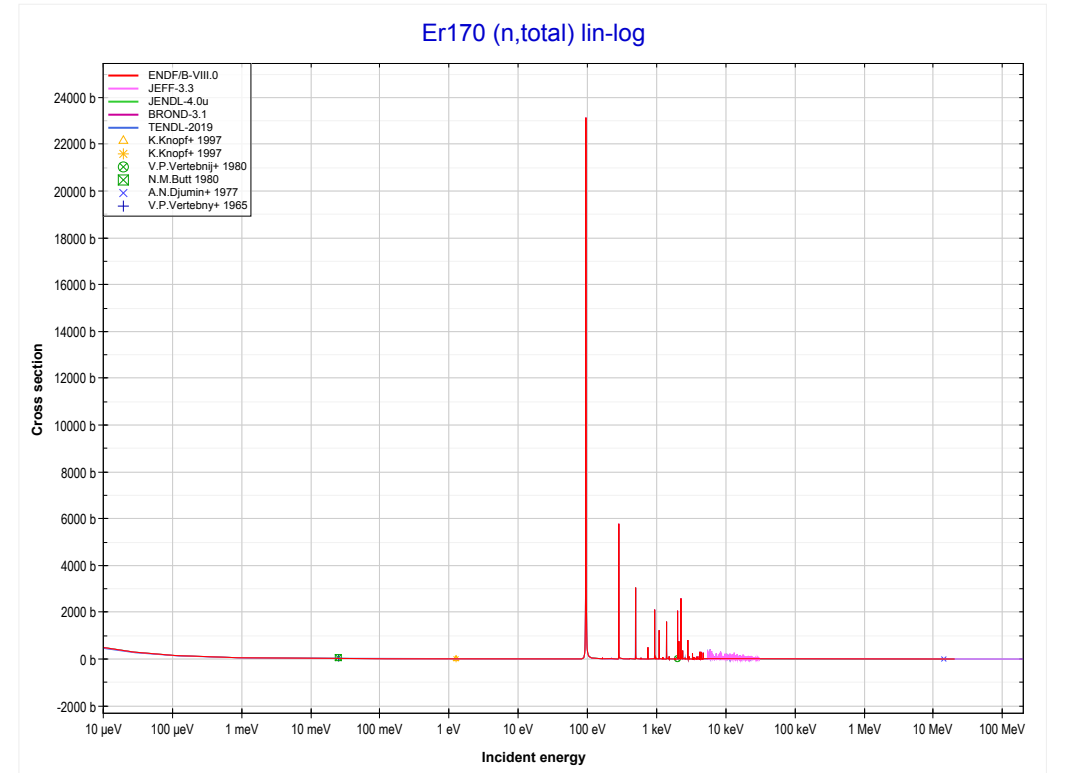
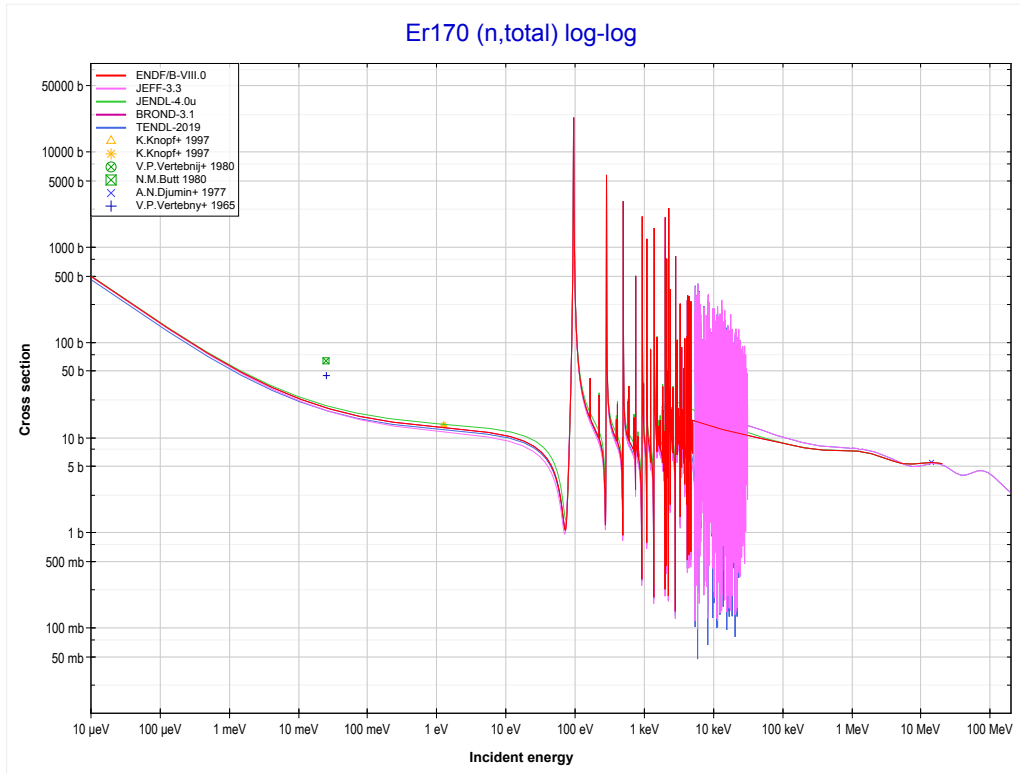
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30317E-6 b | 0.00377743 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.66521E-7 b | 0.00157656 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.30317E-6 b | 0.00377743 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.30317E-6 b | 0.00377743 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.66477E-7 b | 0.00157653 b |

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|----------------|--|----------------------------|
| << 68-Er-167 | 68-Er-168 | 68-Er-170 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Dy165 production) | 68-Er-170 MT1 (n,total) >> |



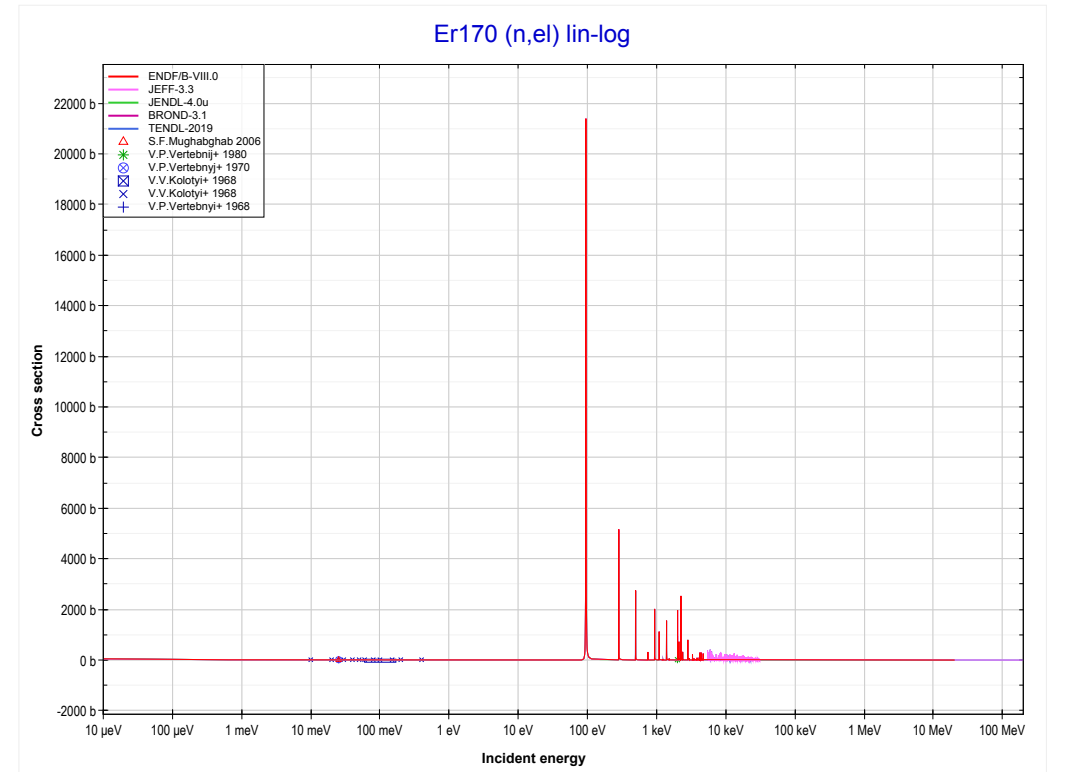
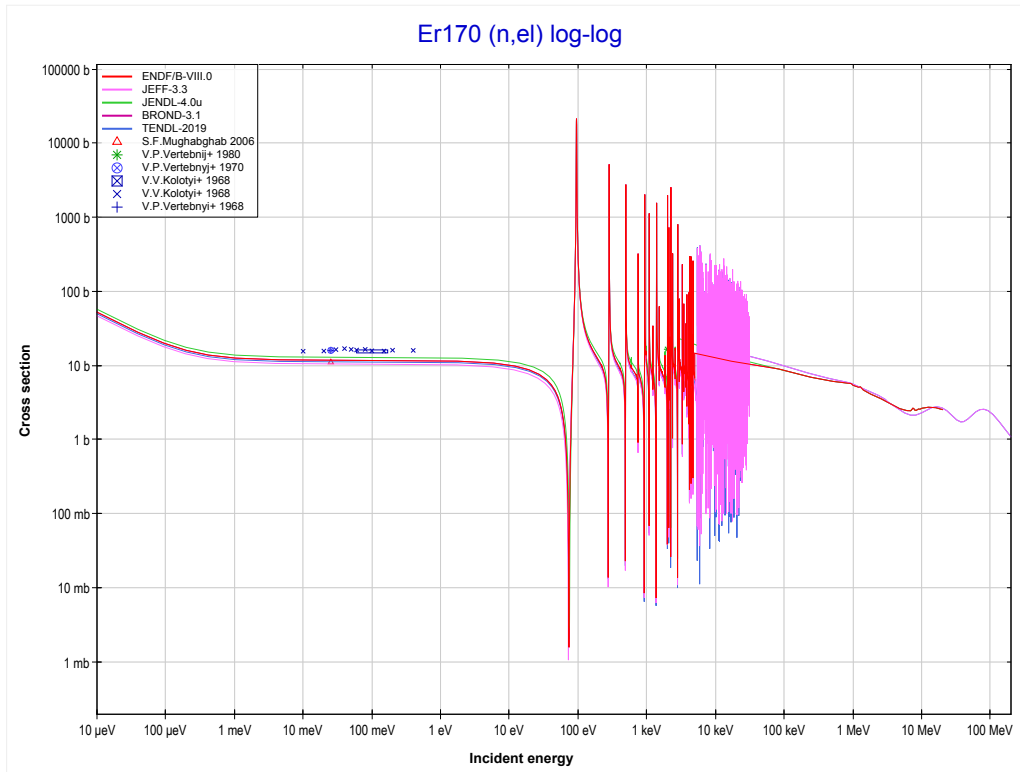
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.70498E-7 b | 4.04926E-4 b |
| JEFF-3.3 | 9.01213E-5 b | 9.01213E-5 b | 9.0119E-5 b | 0.99997 | 3.50828E-5 b | 4.27867E-7 b | 4.27348E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.70498E-7 b | 4.04926E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.70498E-7 b | 4.04926E-4 b |
| TENDL-2019 | 9.02003E-5 b | 9.02003E-5 b | 9.0157E-5 b | 0.99952 | 3.47777E-5 b | 6.28544E-7 b | 9.49826E-4 b |

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|-----------------------------------|----------------------|--------------------|
| << 68-Er-168 | 68-Er-170 | 69-Tm-169 >> |
| << 68-Er-168 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



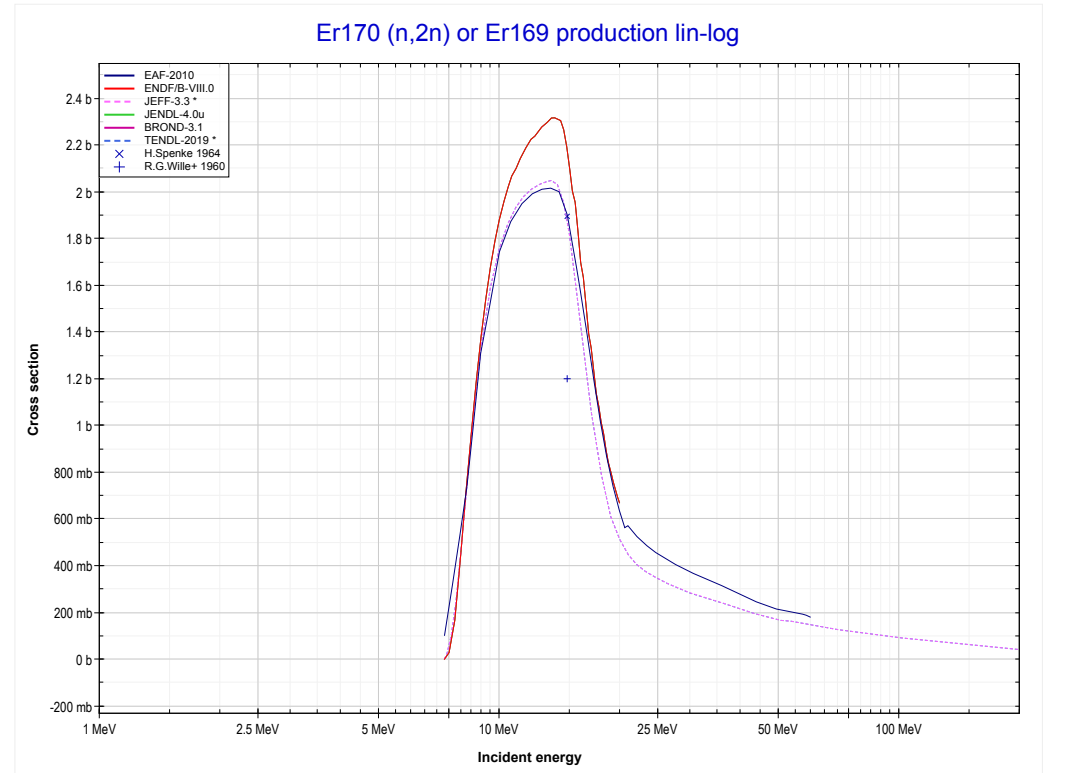
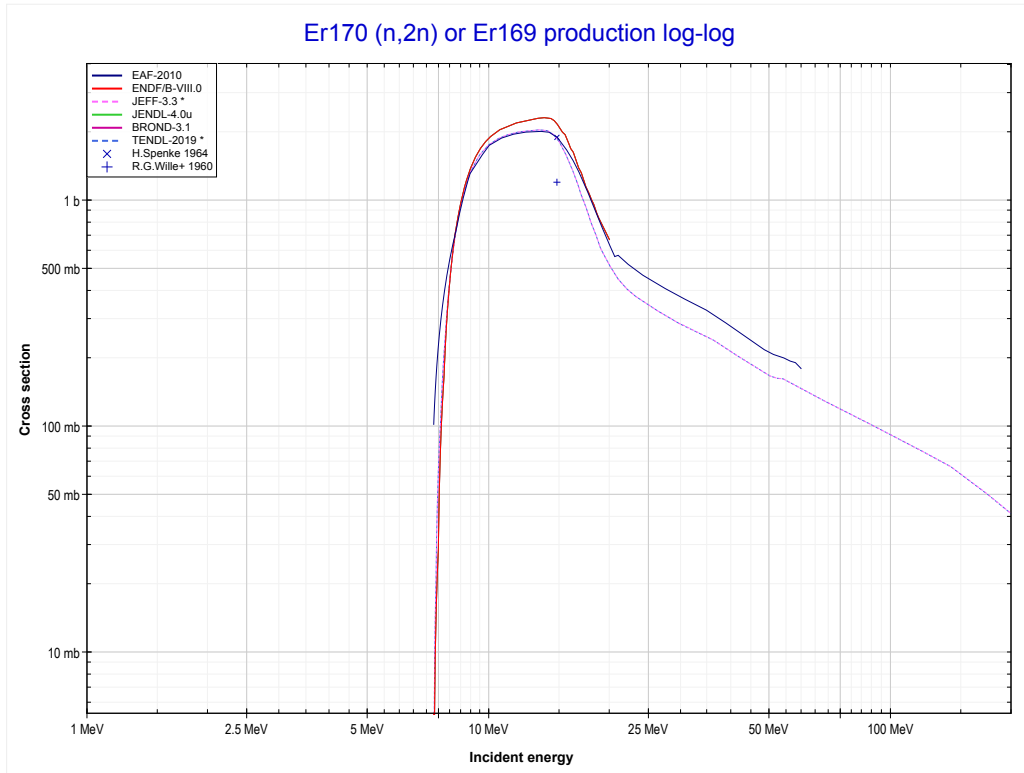
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.5551 b | 20.5551 b | 22.056 b | 1.07302 | 596.874 b | 6.80764 b | 5.502 b |
| JEFF-3.3 | 19.2912 b | 19.2912 b | 20.628 b | 1.06932 | 597.82 b | 7.27223 b | 5.37017 b |
| JENDL-4.0u | 21.6829 b | 21.6829 b | 23.329 b | 1.07592 | 611.747 b | 6.81416 b | 5.502 b |
| BROND-3.1 | 20.5551 b | 20.5551 b | 22.056 b | 1.07302 | 596.874 b | 6.80764 b | 5.502 b |
| TENDL-2019 | 19.2896 b | 19.2896 b | 20.717 b | 1.07398 | 593.148 b | 7.26404 b | 5.37016 b |

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| << 68-Er-168 | 68-Er-170 | 69-Tm-169 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



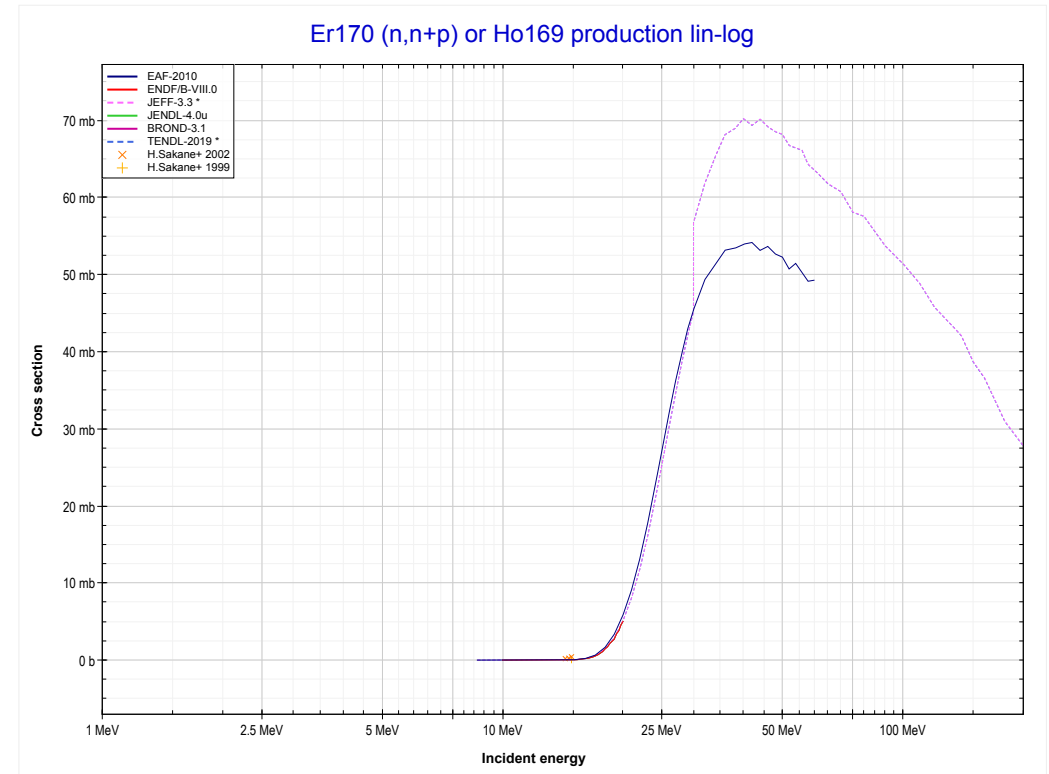
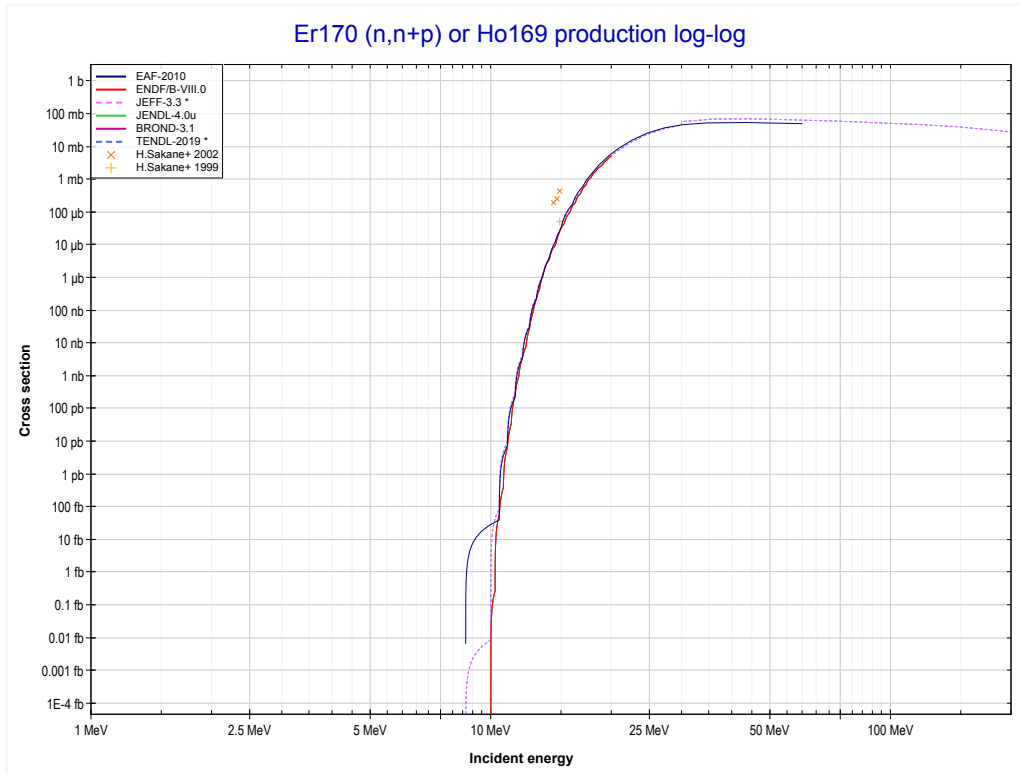
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.702 b | 11.702 b | 13.2 b | 1.12798 | 555.085 b | 4.5966 b | 2.72149 b |
| JEFF-3.3 | 10.4307 b | 10.4307 b | 11.765 b | 1.12795 | 556.138 b | 4.84049 b | 2.67843 b |
| JENDL-4.0u | 12.8271 b | 12.8271 b | 14.47 b | 1.12804 | 565.432 b | 4.60326 b | 2.72149 b |
| BROND-3.1 | 11.702 b | 11.702 b | 13.2 b | 1.12798 | 555.085 b | 4.5966 b | 2.72149 b |
| TENDL-2019 | 11.1395 b | 11.1395 b | 12.566 b | 1.12806 | 549.451 b | 4.83384 b | 2.67843 b |

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|--------------------|--|-----------------|
| << 68-Er-168 | 68-Er-170 | 69-Tm-169 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Er169 production) | MT28 (n,n+p) >> |



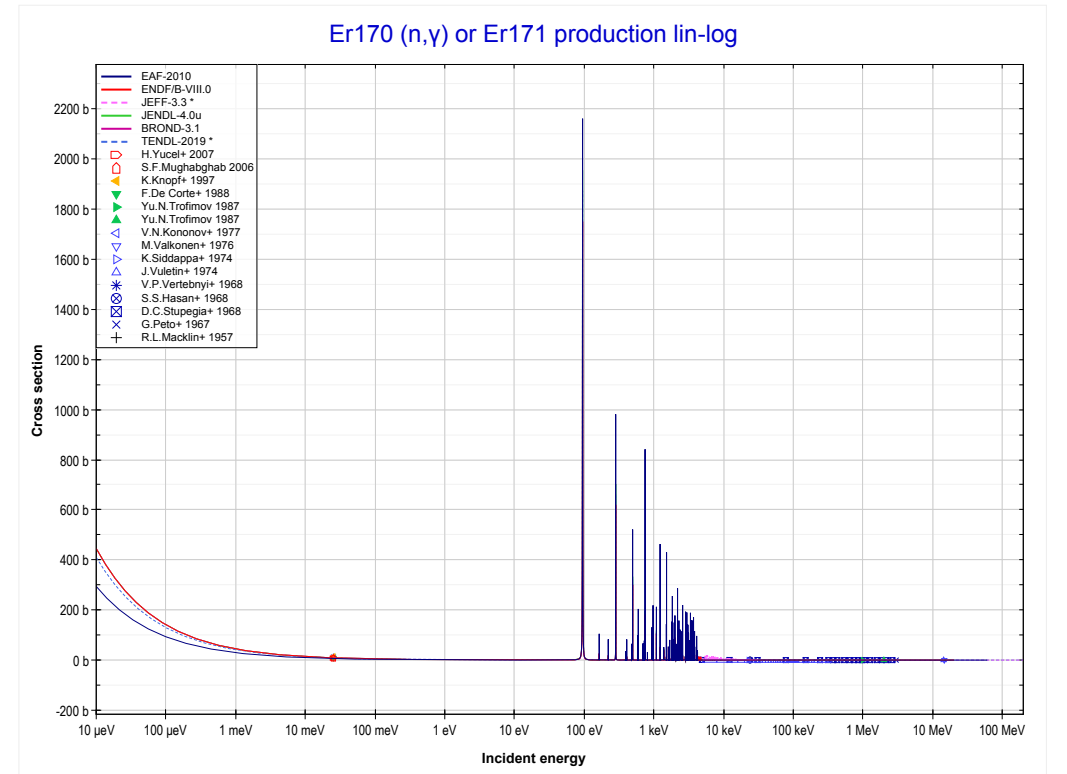
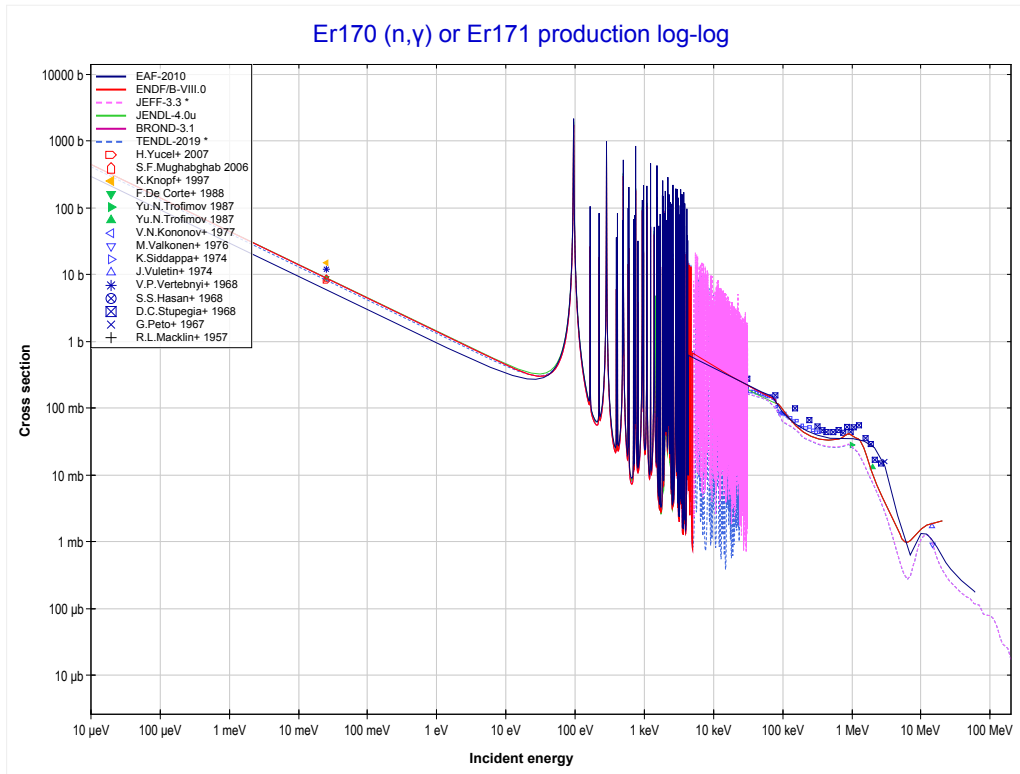
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0112221 b | 2.00372 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0114349 b | 2.30942 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0109056 b | 2.03078 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0114349 b | 2.30942 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0114349 b | 2.30942 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0109233 b | 2.0308 b |

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|----------------|---|-------------------------|
| << 66-Dy-164 | 68-Er-170 | 70-Yb-174 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Ho169 production) | MT102 (n, γ) >> |



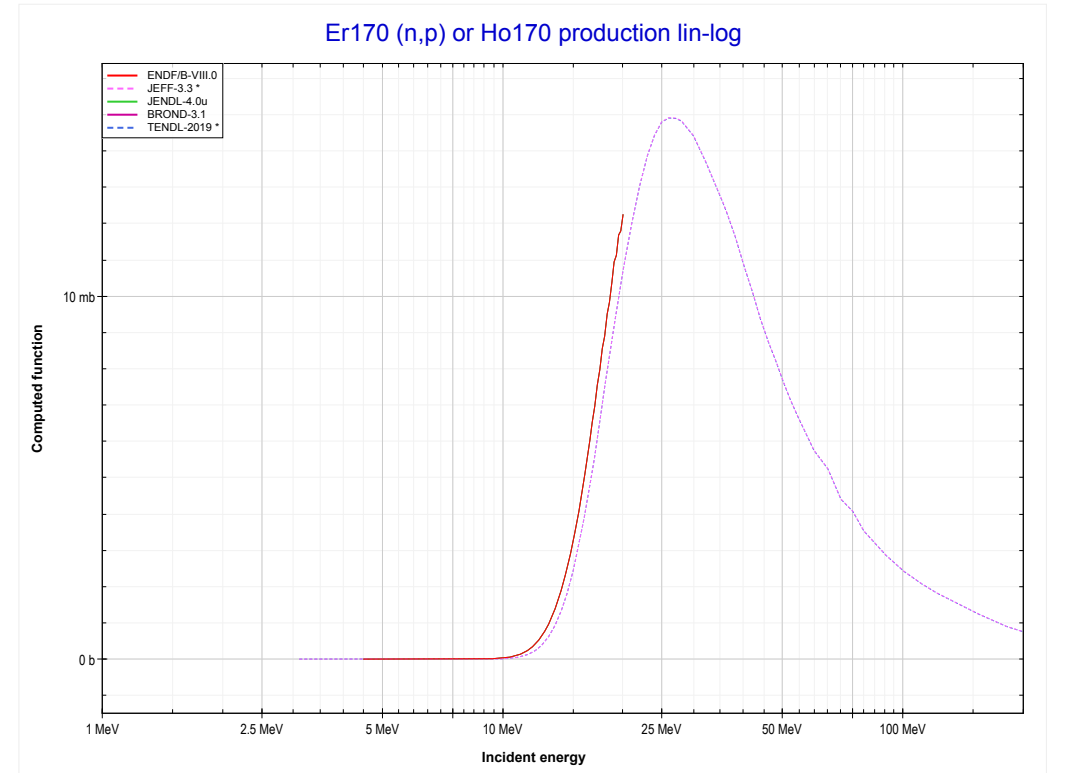
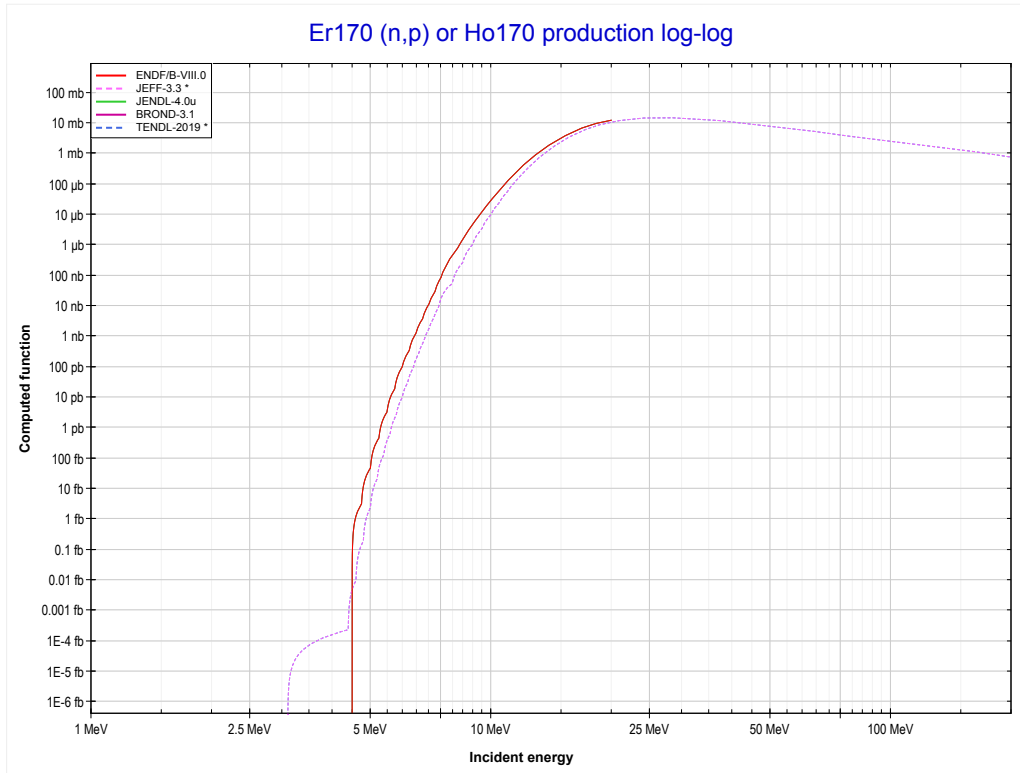
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64726E-8 b | 3.43633E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86617E-8 b | 3.98092E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.64726E-8 b | 3.43633E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64726E-8 b | 3.43633E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.86971E-8 b | 3.98976E-6 b |

| | | |
|-----------------|--|----------------|
| << 68-Er-168 | 68-Er-170 | 68-Er-171 >> |
| << MT28 (n,n+p) | MT102 (n,y) or MT5 (Er171 production) | MT103 (n,p) >> |



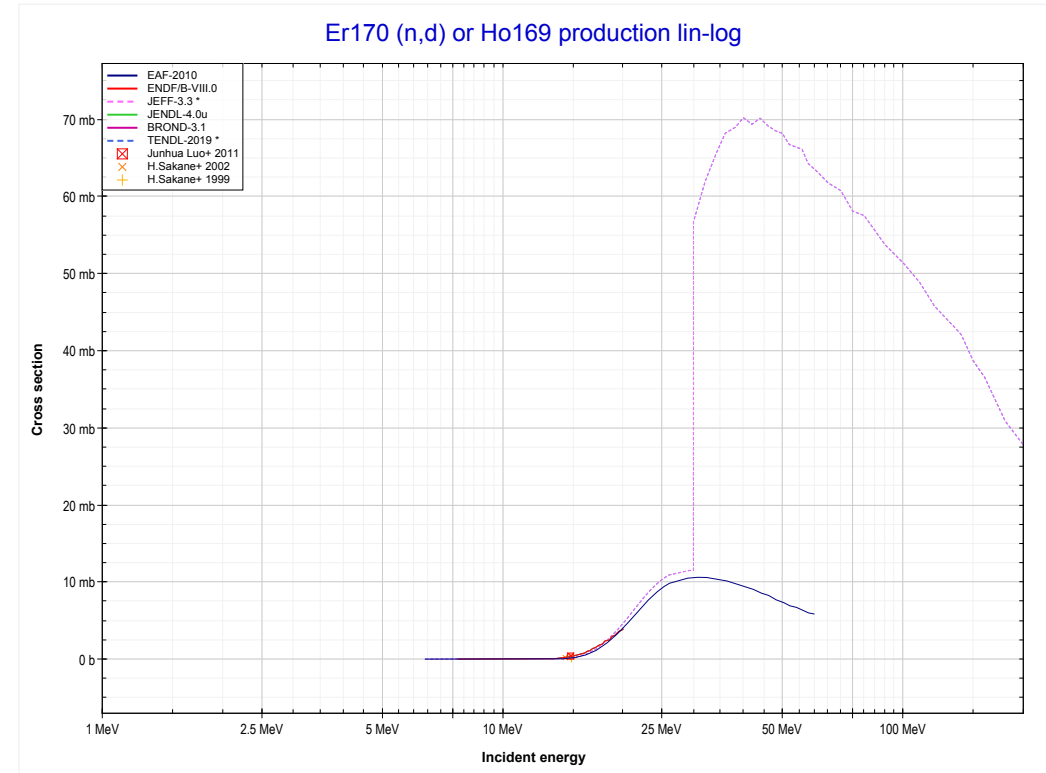
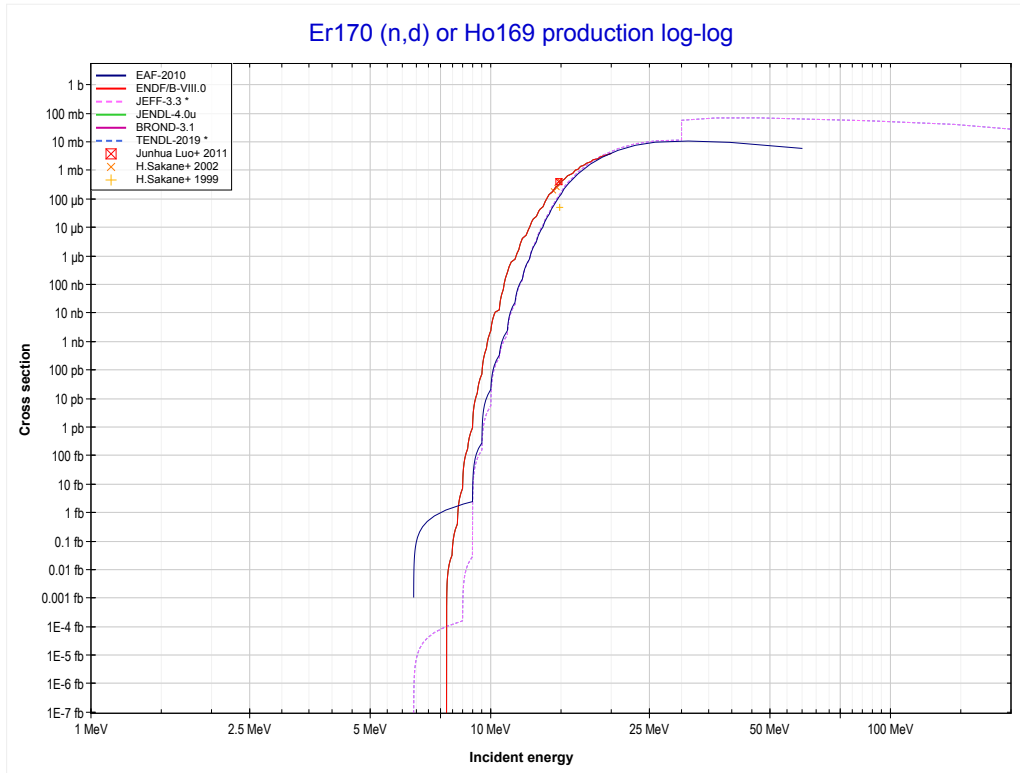
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.8527 b | 5.84831 b | 5.849 b | 1.00012 | 45.1265 b | 0.0279574 b | 0.00111 b |
| ENDF/B-VIII.0 | 8.8531 b | 8.8531 b | 8.8564 b | 1.00038 | 41.7682 b | 0.0230681 b | 0.00186921 b |
| JEFF-3.3 | 8.86054 b | 8.86054 b | 8.8632 b | 1.0003 | 41.6536 b | 0.0167769 b | 0.00107719 b |
| JENDL-4.0u | 8.85574 b | 8.85574 b | 8.8595 b | 1.00042 | 46.295 b | 0.0229224 b | 0.00186921 b |
| BROND-3.1 | 8.8531 b | 8.8531 b | 8.8564 b | 1.00038 | 41.7682 b | 0.0230681 b | 0.00186921 b |
| TENDL-2019 | 8.15014 b | 8.15014 b | 8.1506 b | 1.00006 | 43.6541 b | 0.0161475 b | 0.00107681 b |

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|-------------------------|--|----------------|
| << 68-Er-168 | 68-Er-170 | 70-Yb-172 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ho170 production) | MT104 (n,d) >> |



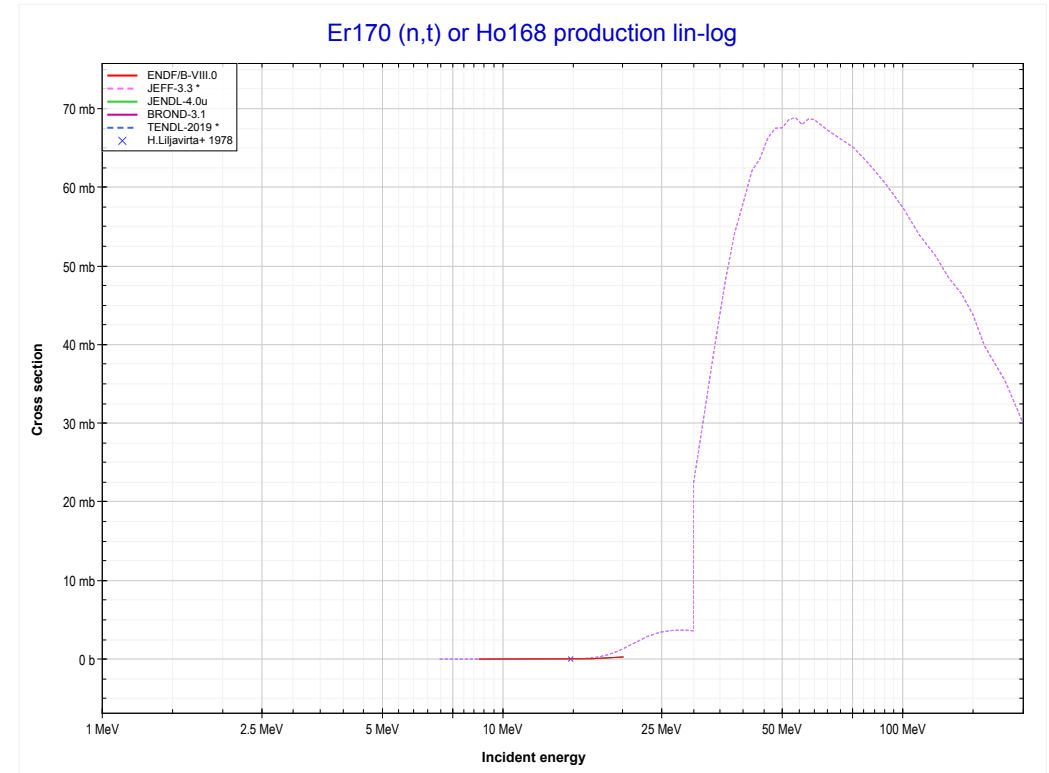
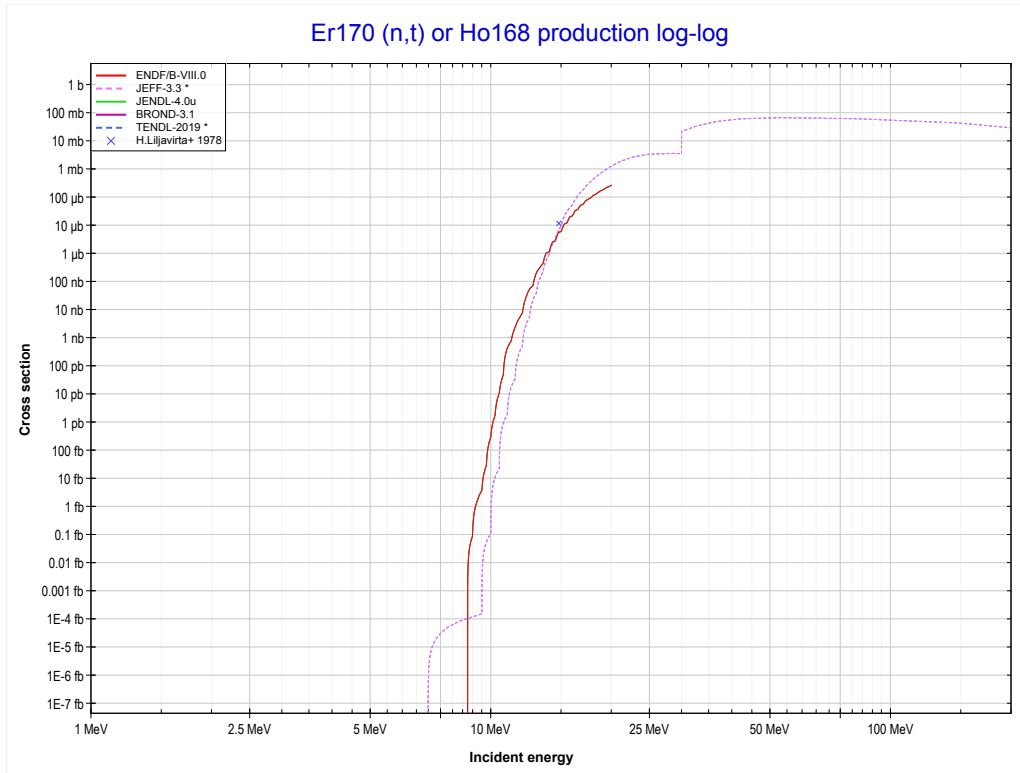
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74493E-7 b | 0.00188014 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.49677E-7 b | 0.00131093 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.74493E-7 b | 0.00188014 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.74493E-7 b | 0.00188014 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.49631E-7 b | 0.00131093 b |

| | | |
|----------------|--|----------------|
| << 66-Dy-164 | 68-Er-170 | 70-Yb-174 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ho169 production) | MT105 (n,t) >> |



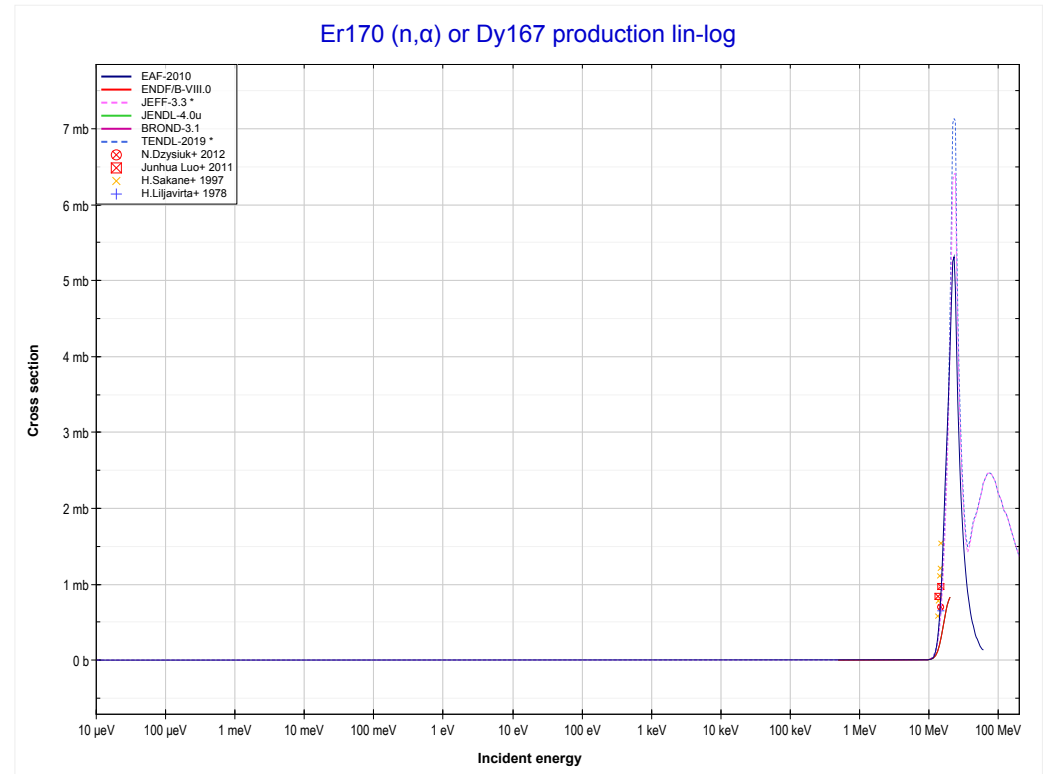
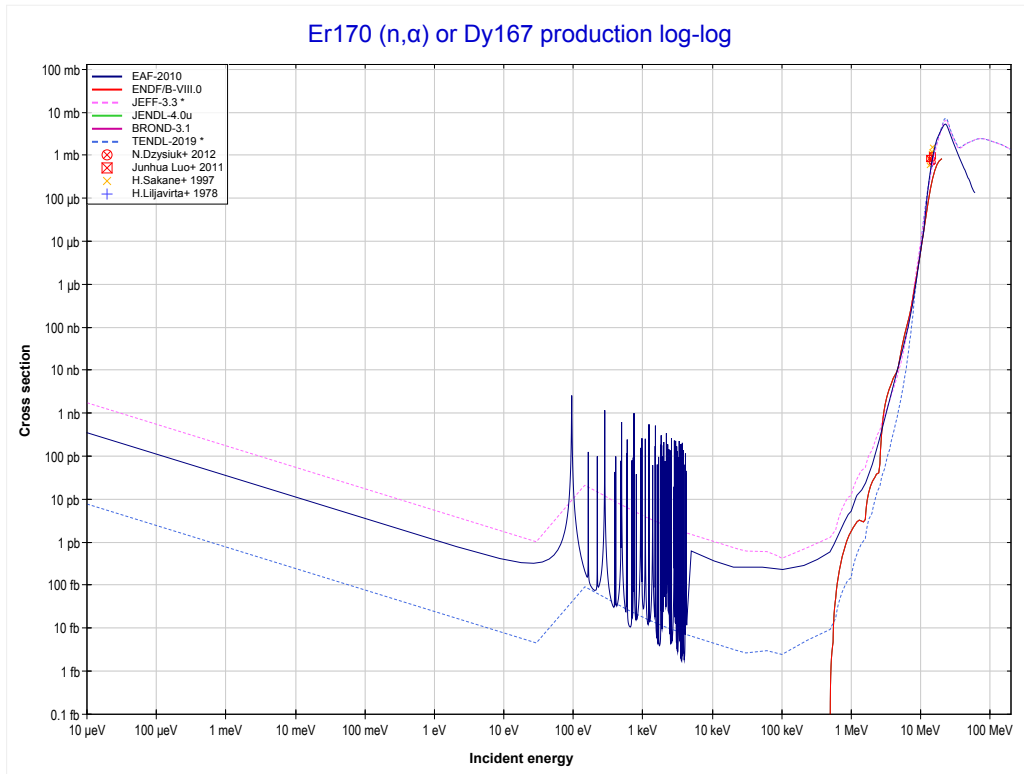
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.87148E-8 b | 2.86215E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.59421E-8 b | 1.44343E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.63093E-8 b | 3.24863E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.59421E-8 b | 1.44343E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.59421E-8 b | 1.44343E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.63073E-8 b | 3.24865E-5 b |

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|----------------|--|-------------------------|
| << 66-Dy-162 | 68-Er-170 | 73-Ta-181 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Ho168 production) | MT107 (n, α) >> |



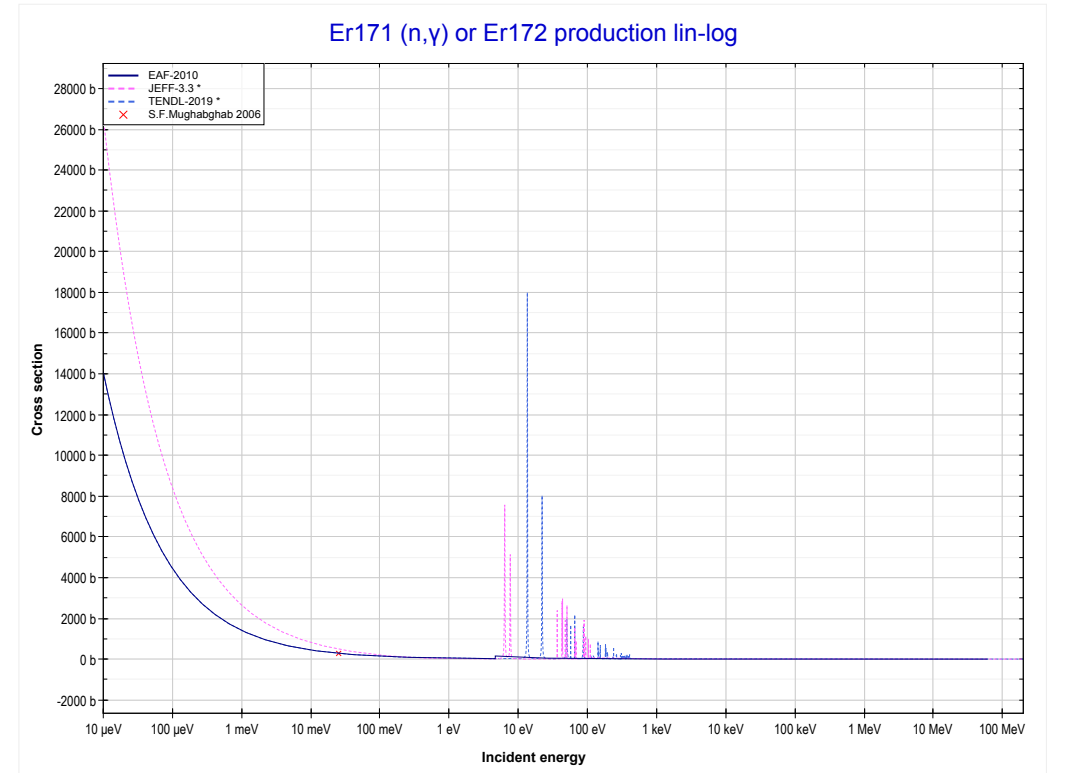
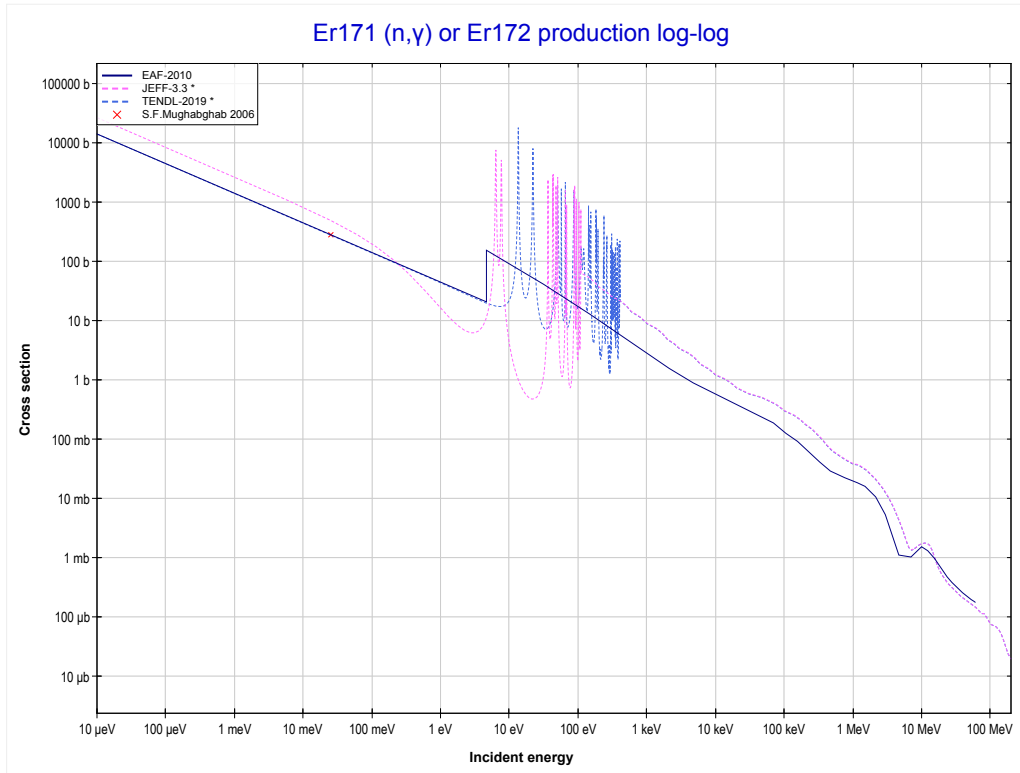
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73713E-9 b | 1.14785E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.68817E-9 b | 9.37378E-7 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.73713E-9 b | 1.14785E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.73713E-9 b | 1.14785E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.69461E-9 b | 9.38815E-7 b |

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|----------------|--|-----------------------------------|
| << 68-Er-168 | 68-Er-170 | 69-Tm-169 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Dy167 production) | 68-Er-171 MT102 (n, γ) >> |



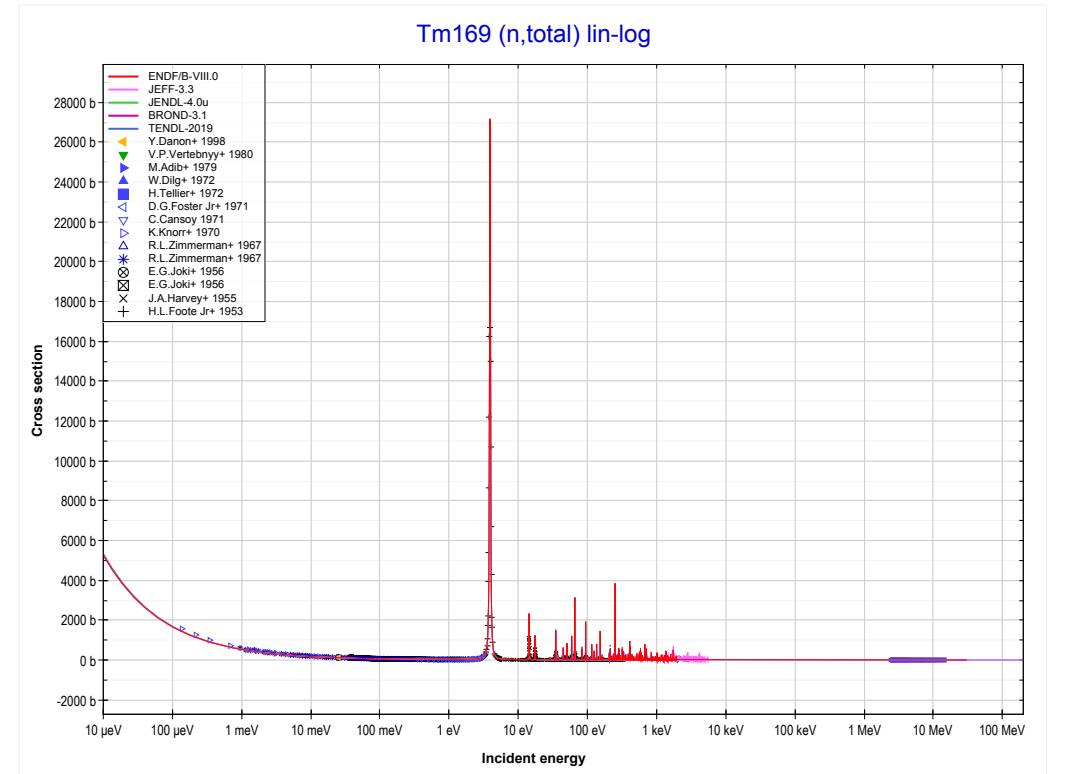
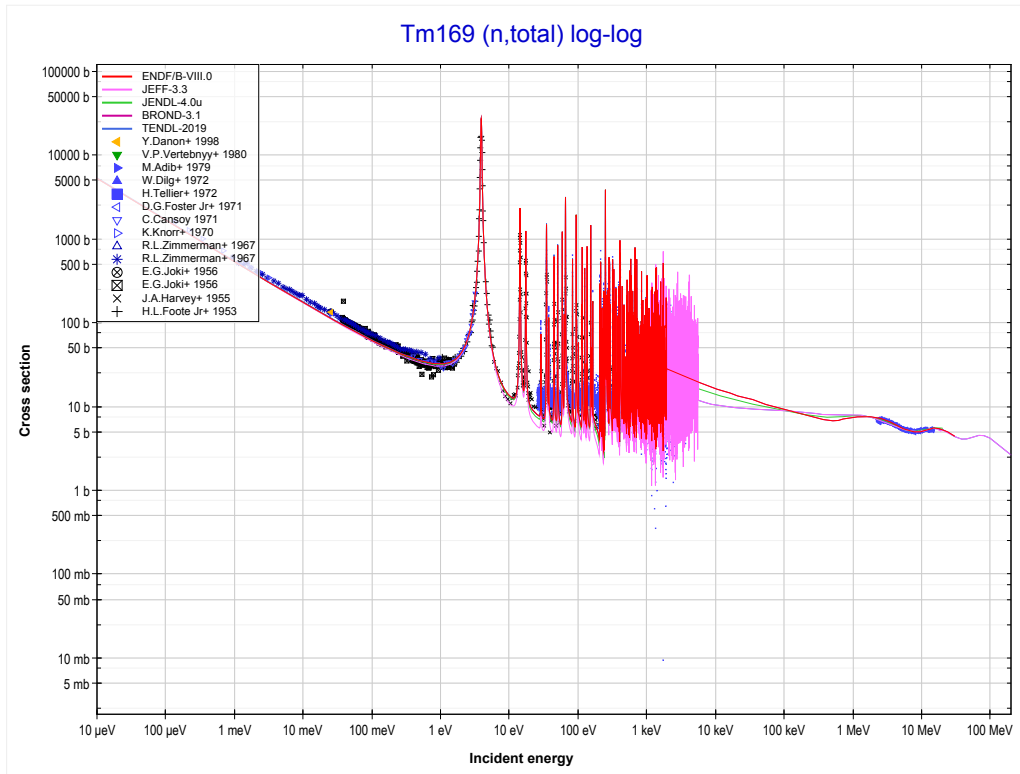
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6.9886E-12 b | 6.98336E-12 b | 6.9842E-12 b | 1.00012 | 5.37365E-11 b | 2.50619E-7 b | 4.99362E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11751E-7 b | 1.80861E-4 b |
| JEFF-3.3 | 3.47558E-11 b | 3.47558E-11 b | 3.4766E-11 b | 1.00028 | 5.05638E-11 b | 2.24753E-7 b | 3.59053E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.11751E-7 b | 1.80861E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11751E-7 b | 1.80861E-4 b |
| TENDL-2019 | 1.536E-13 b | 1.536E-13 b | 1.5357E-13 b | 0.99979 | 2.20862E-13 b | 2.45037E-7 b | 4.33118E-4 b |

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|-----------------------------------|--|----------------------------|
| << 68-Er-170 | 68-Er-171 | 69-Tm-169 >> |
| << 68-Er-170 MT107 (n, α) | MT102 (n,γ) or MT5 (Er172 production) | 69-Tm-169 MT1 (n,total) >> |



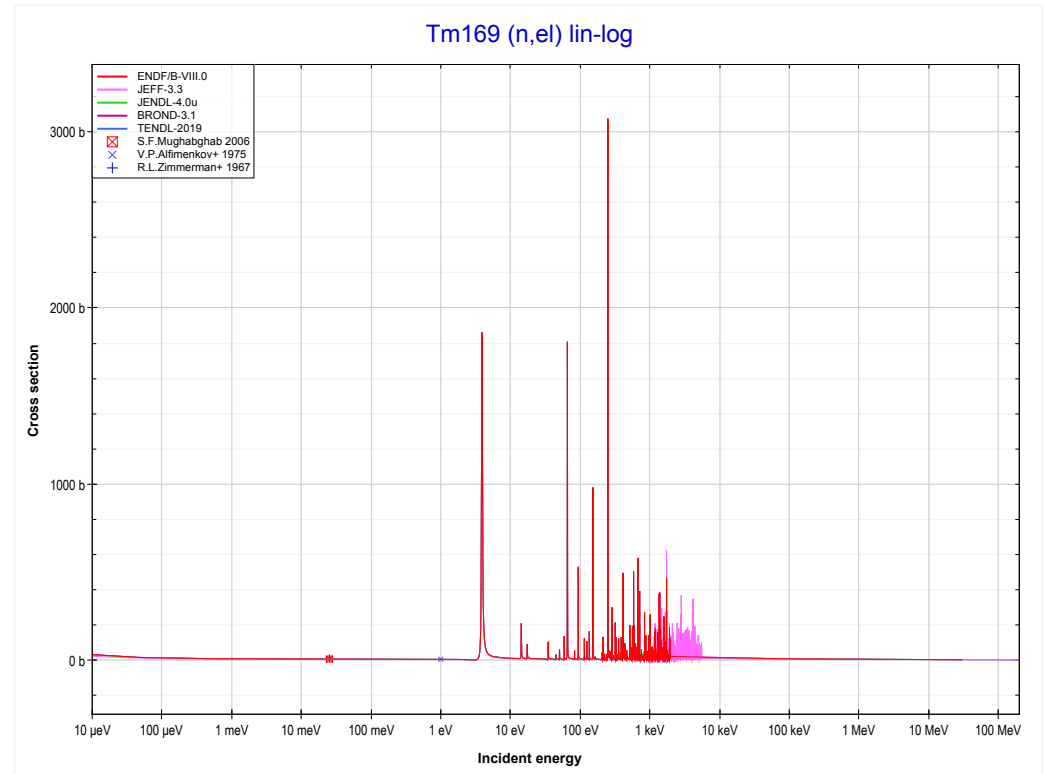
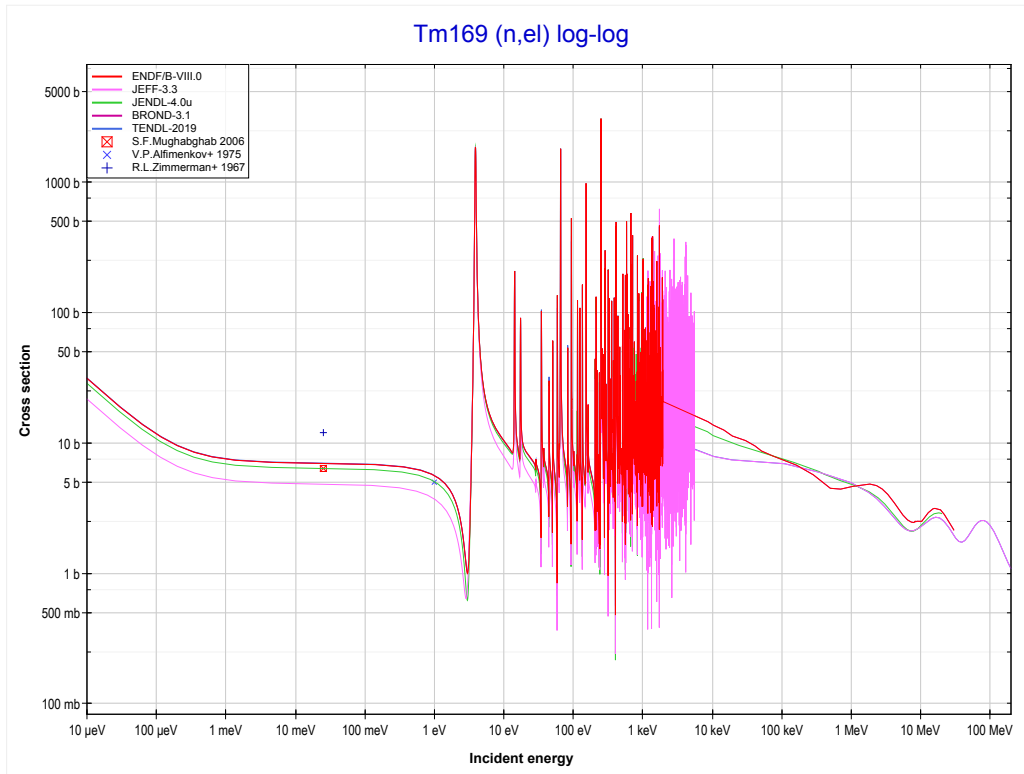
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 280 b | 279.79 b | 279.8 b | 1.00004 | 302.868 b | 0.0204147 b | 0.00111 b |
| JEFF-3.3 | 487.075 b | 487.075 b | 471.66 b | 0.96835 | 659.298 b | 0.0464384 b | 0.00137952 b |
| TENDL-2019 | 278.998 b | 278.998 b | 278.92 b | 0.99971 | 958.123 b | 0.0455568 b | 0.00137868 b |

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|-----------------------------------|----------------------|--------------------|
| << 68-Er-170 | 69-Tm-169 | 69-Tm-170 >> |
| << 68-Er-171 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



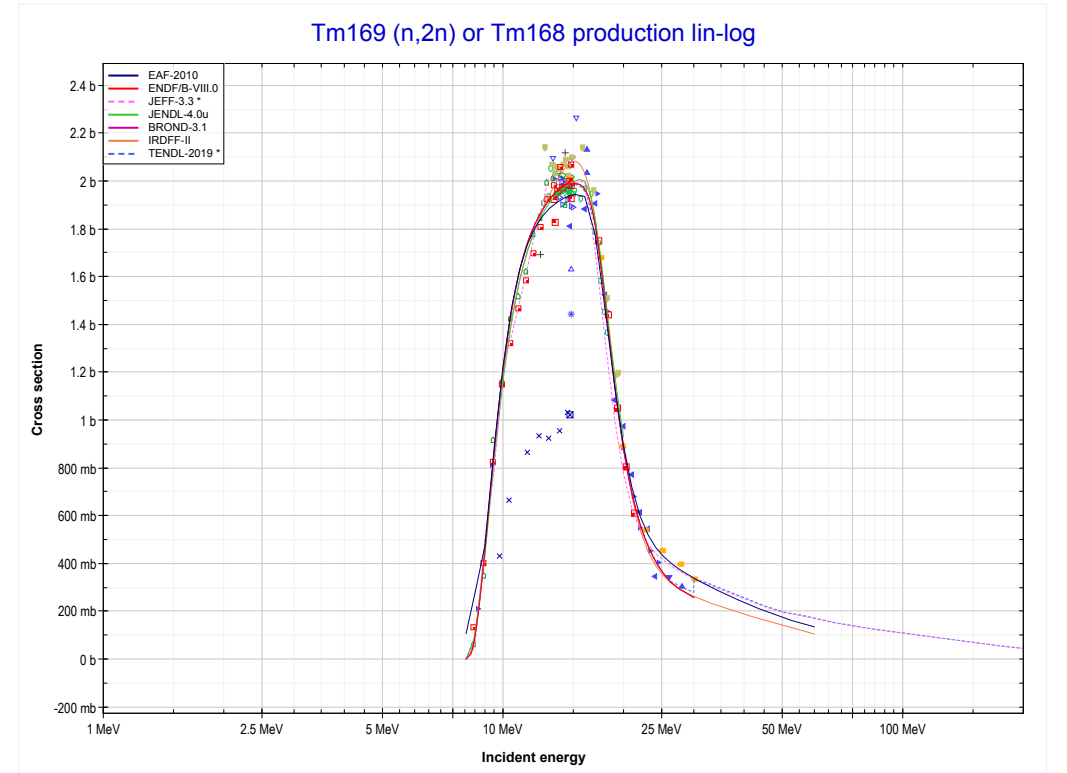
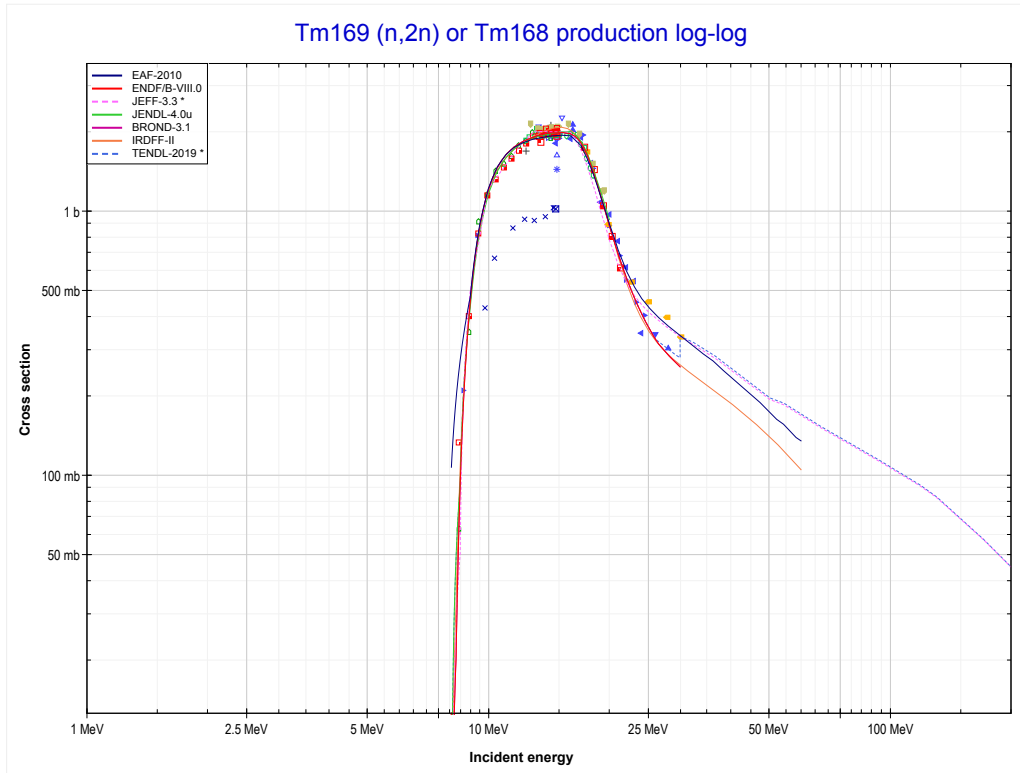
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 112.015 b | 112.015 b | 113.44 b | 1.01268 | 1915.23 b | 7.10688 b | 5.47065 b |
| JEFF-3.3 | 110.075 b | 110.075 b | 111.22 b | 1.01042 | 1901.57 b | 7.26967 b | 5.4387 b |
| JENDL-4.0u | 111.443 b | 111.443 b | 112.78 b | 1.01201 | 1901.68 b | 7.20337 b | 5.49952 b |
| BROND-3.1 | 112.015 b | 112.015 b | 113.44 b | 1.01268 | 1915.23 b | 7.10688 b | 5.47065 b |
| TENDL-2019 | 113.884 b | 113.884 b | 115.27 b | 1.01214 | 1893.95 b | 7.2673 b | 5.41552 b |

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|------------------|------------------------|----------------|
| << 68-Er-170 | 69-Tm-169 | 70-Yb-170 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



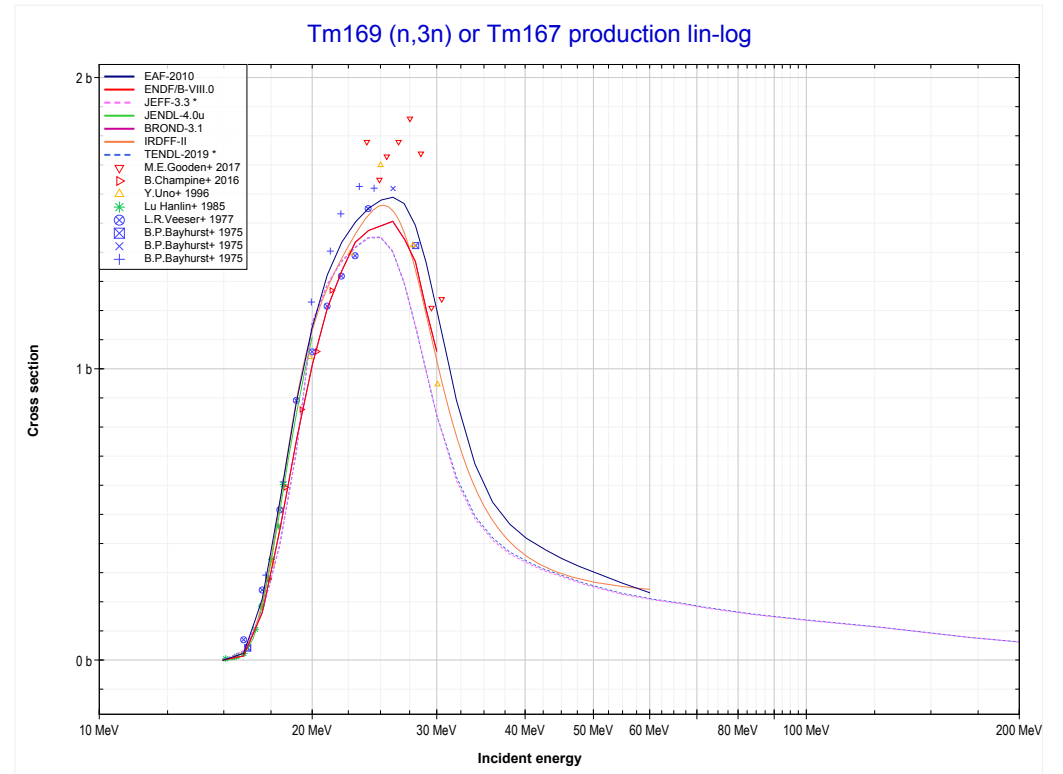
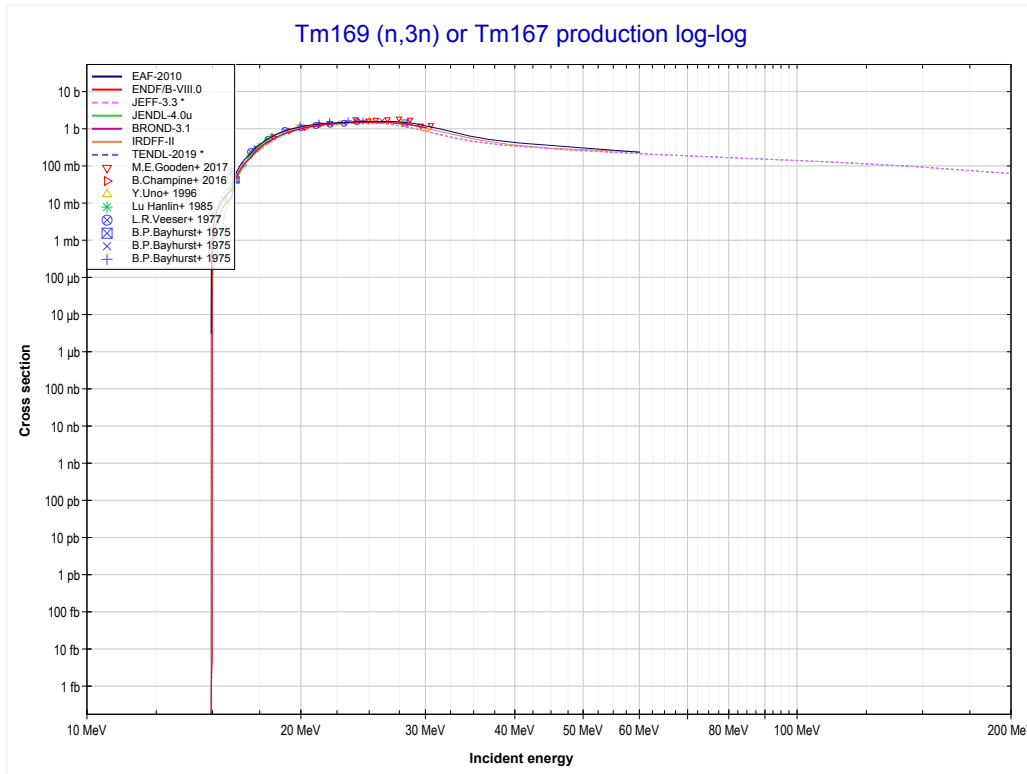
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.97513 b | 6.97513 b | 7.8368 b | 1.12353 | 287.735 b | 4.56536 b | 3.03297 b |
| JEFF-3.3 | 4.83567 b | 4.83567 b | 5.4282 b | 1.12253 | 265.279 b | 4.30963 b | 2.60502 b |
| JENDL-4.0u | 6.38038 b | 6.38038 b | 7.1663 b | 1.12319 | 275.567 b | 4.3704 b | 2.76228 b |
| BROND-3.1 | 6.97513 b | 6.97513 b | 7.8368 b | 1.12353 | 287.735 b | 4.56536 b | 3.03297 b |
| TENDL-2019 | 7.01702 b | 7.01702 b | 7.8839 b | 1.12354 | 264.202 b | 4.30893 b | 2.60502 b |

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| << 68-Er-170 | 69-Tm-169 | 70-Yb-168 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Tm168 production) | MT17 (n,3n) >> |



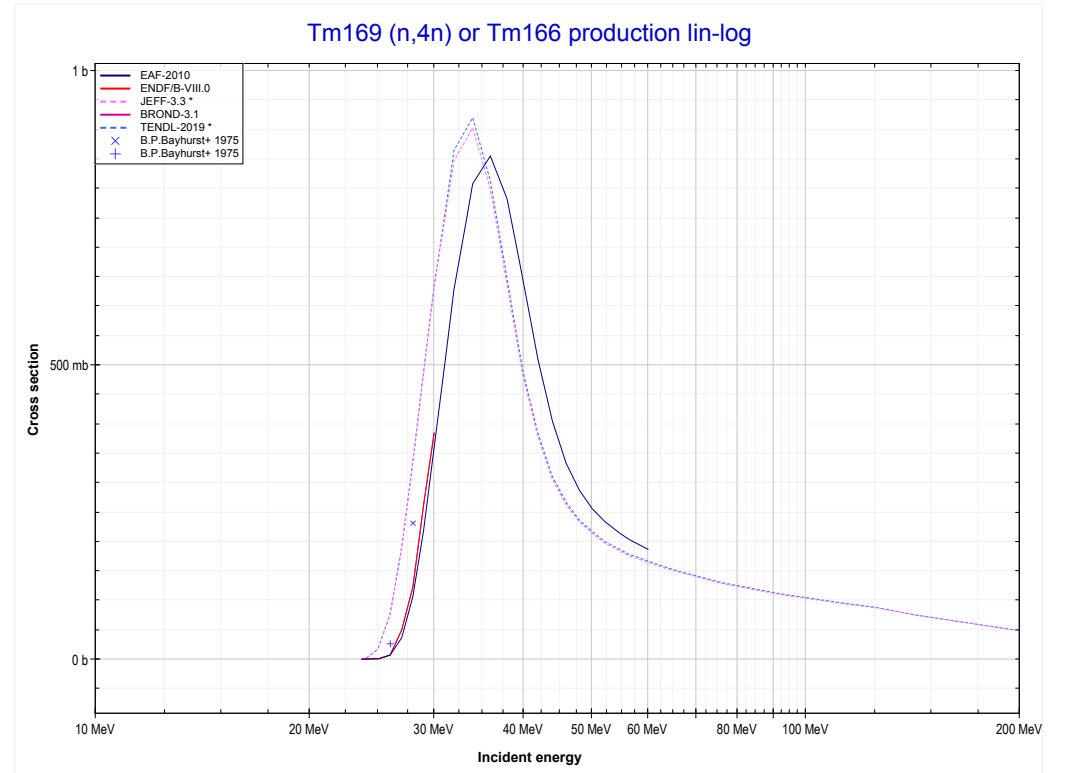
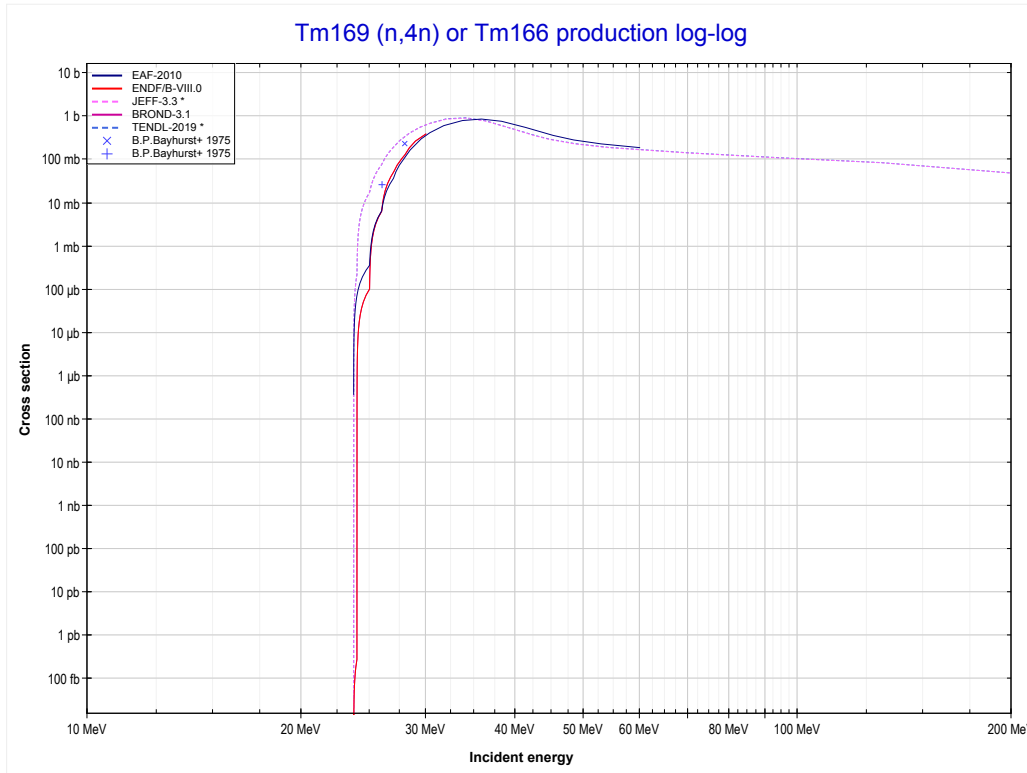
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00556463 b | 1.92325 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00526641 b | 1.97652 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00511047 b | 1.99954 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00515318 b | 1.9652 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00526641 b | 1.97652 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00526594 b | 2.03447 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00529875 b | 1.97652 b |

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| << 64-Gd-160 | 69-Tm-169 | 71-Lu-175 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Tm167 production) | MT37 (n,4n) >> |



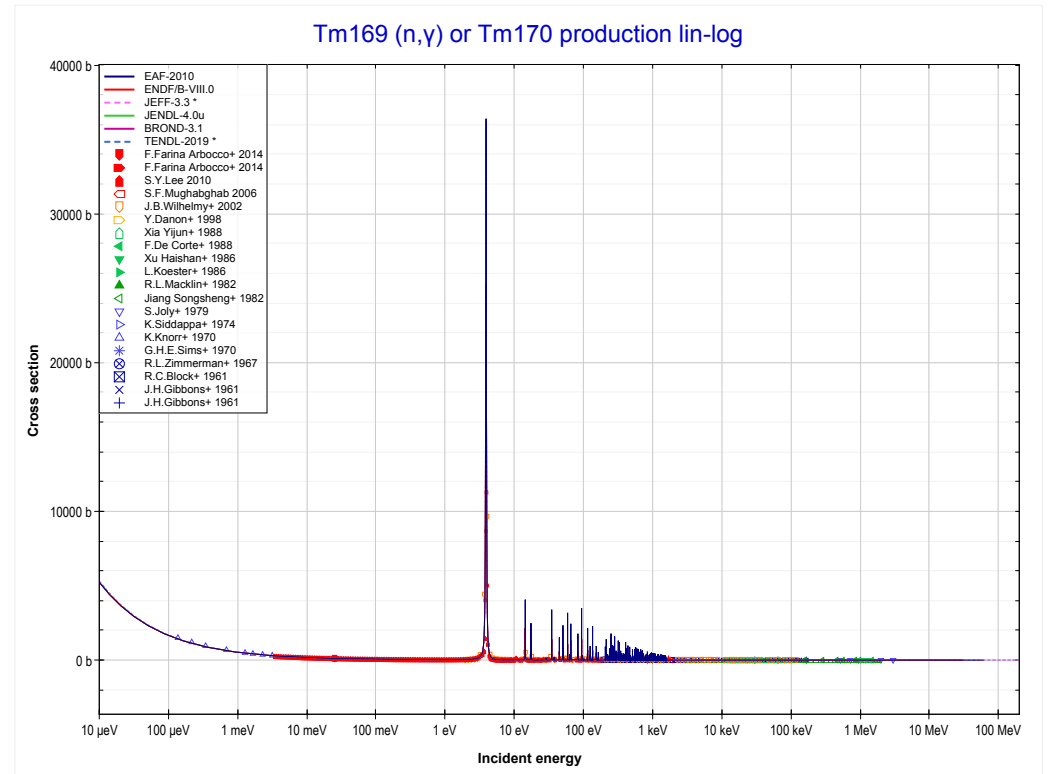
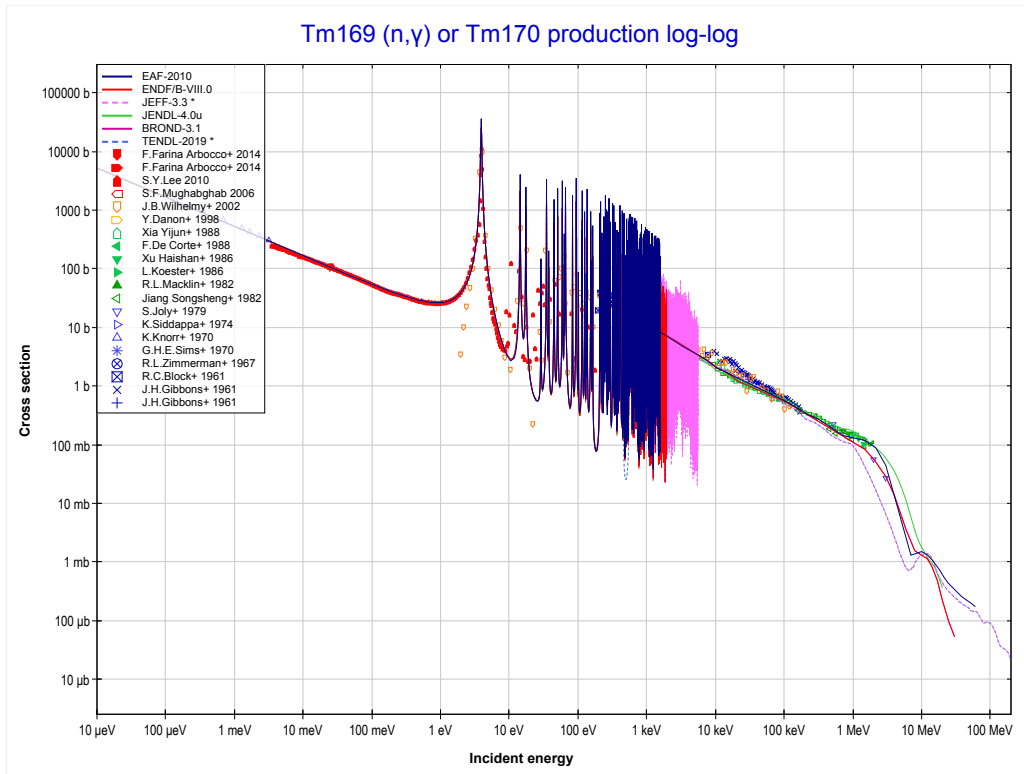
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.62271E-6 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.98744E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.156E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.57414E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.98744E-6 b | 0 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 8.28311E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.14626E-6 b | 0 b |

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|----------------|--|-------------------------|
| << 63-Eu-151 | 69-Tm-169 | 71-Lu-175 >> |
| << MT17 (n,3n) | MT37 (n,4n) or MT5 (Tm166 production) | MT102 (n, γ) >> |



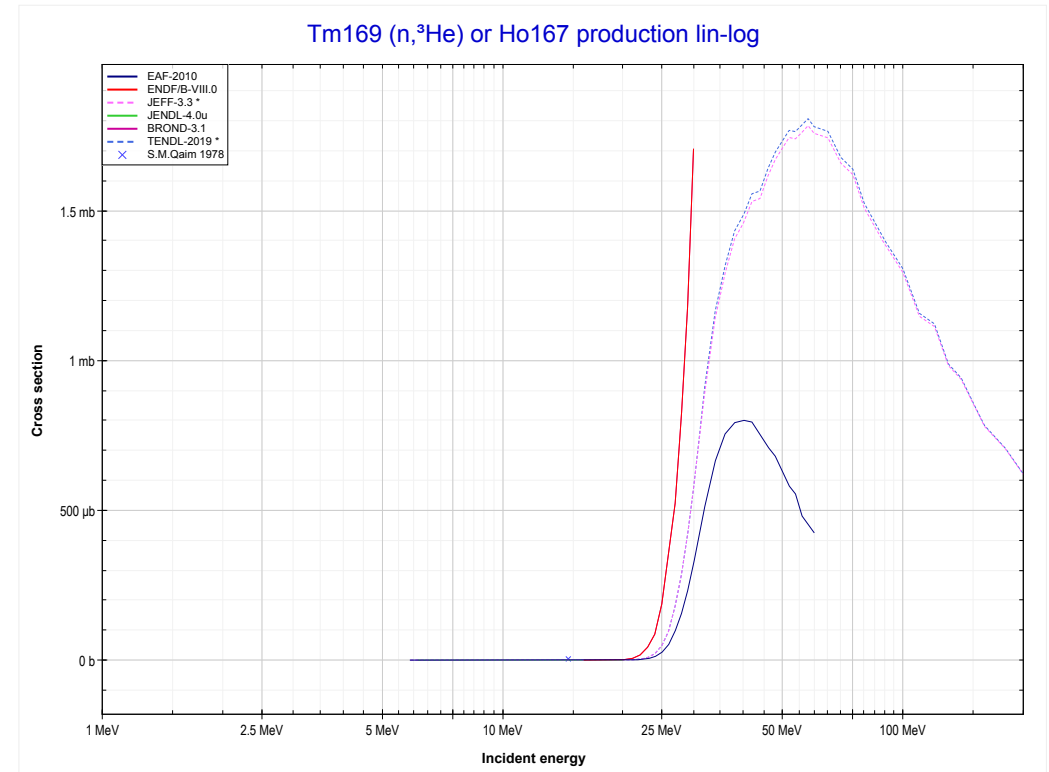
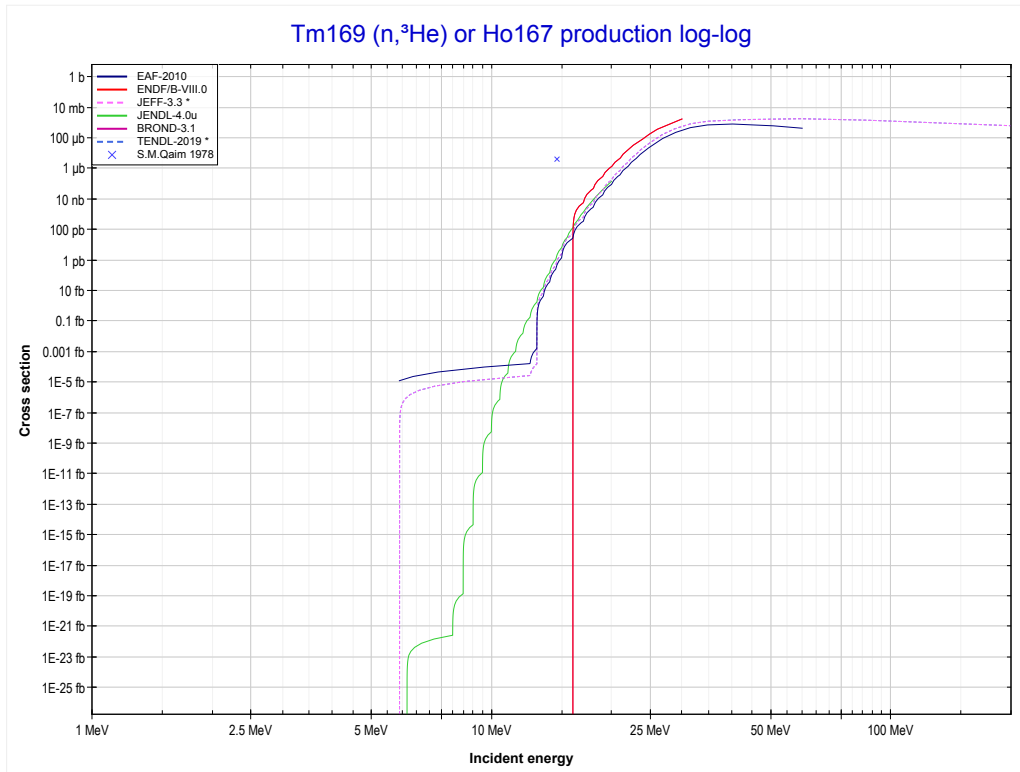
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

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| << 68-Er-171 | 69-Tm-169 | 69-Tm-170 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Tm170 production) | MT106 (n, ^3He) >> |



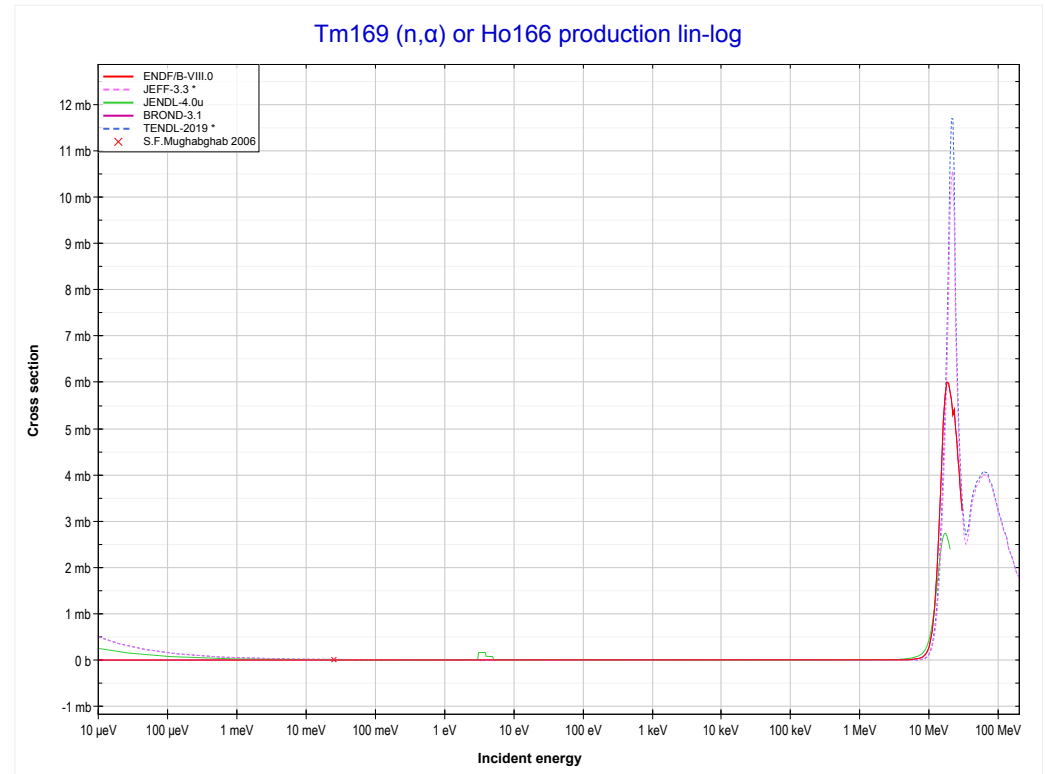
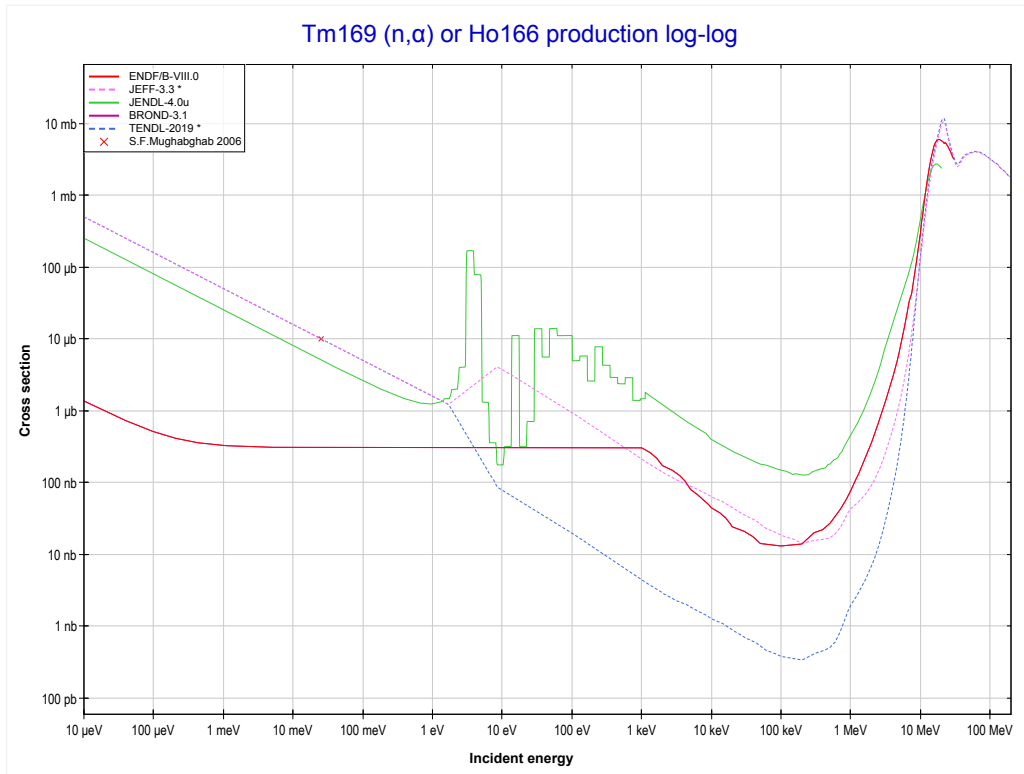
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 104.89 b | 104.813 b | 105.32 b | 1.00483 | 1709.8 b | 0.124404 b | 0.00111 b |
| ENDF/B-VIII.0 | 105.04 b | 105.04 b | 105.6 b | 1.00532 | 1625.16 b | 0.105965 b | 8.57448E-4 b |
| JEFF-3.3 | 105.239 b | 105.239 b | 105.79 b | 1.00527 | 1634.04 b | 0.0808516 b | 0.00116202 b |
| JENDL-4.0u | 105.062 b | 105.062 b | 105.61 b | 1.00525 | 1624.5 b | 0.141986 b | 9.68136E-4 b |
| BROND-3.1 | 105.04 b | 105.04 b | 105.6 b | 1.00532 | 1625.16 b | 0.105965 b | 8.57448E-4 b |
| TENDL-2019 | 106.867 b | 106.867 b | 107.38 b | 1.00483 | 1627.49 b | 0.0792024 b | 0.0011614 b |

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|-------------------------|---|-------------------------|
| << 67-Ho-165 | 69-Tm-169 | 70-Yb-174 >> |
| << MT102 (n, γ) | MT106 (n,^3He) or MT5 (Ho167 production) | MT107 (n, α) >> |



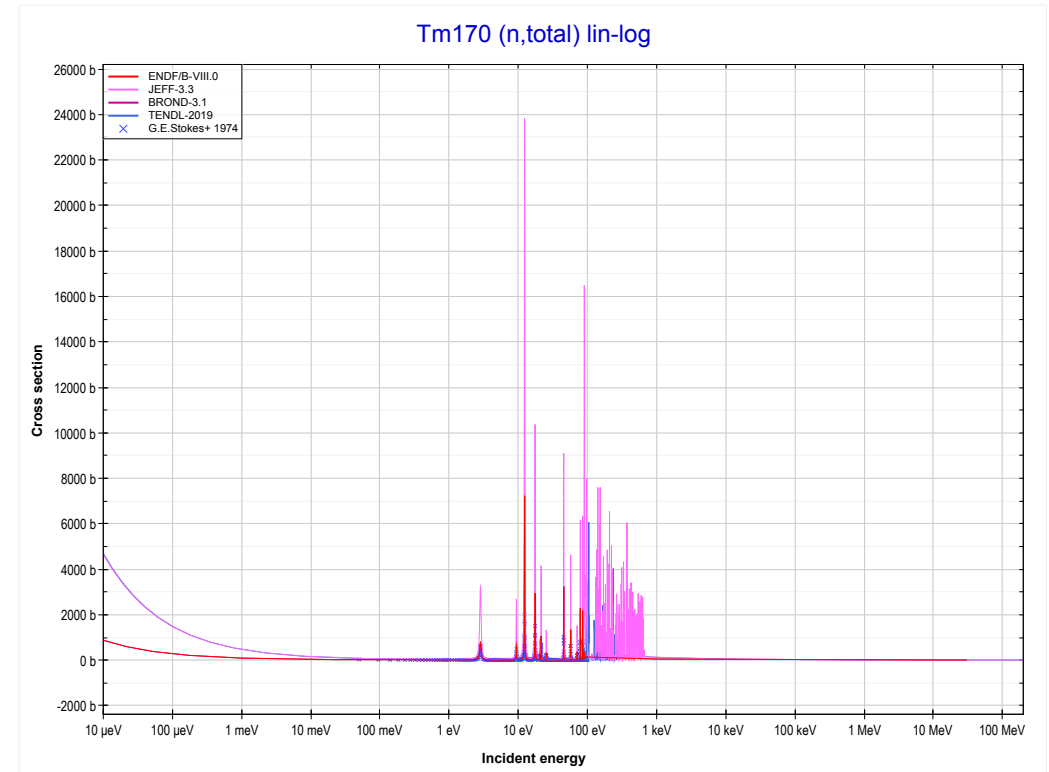
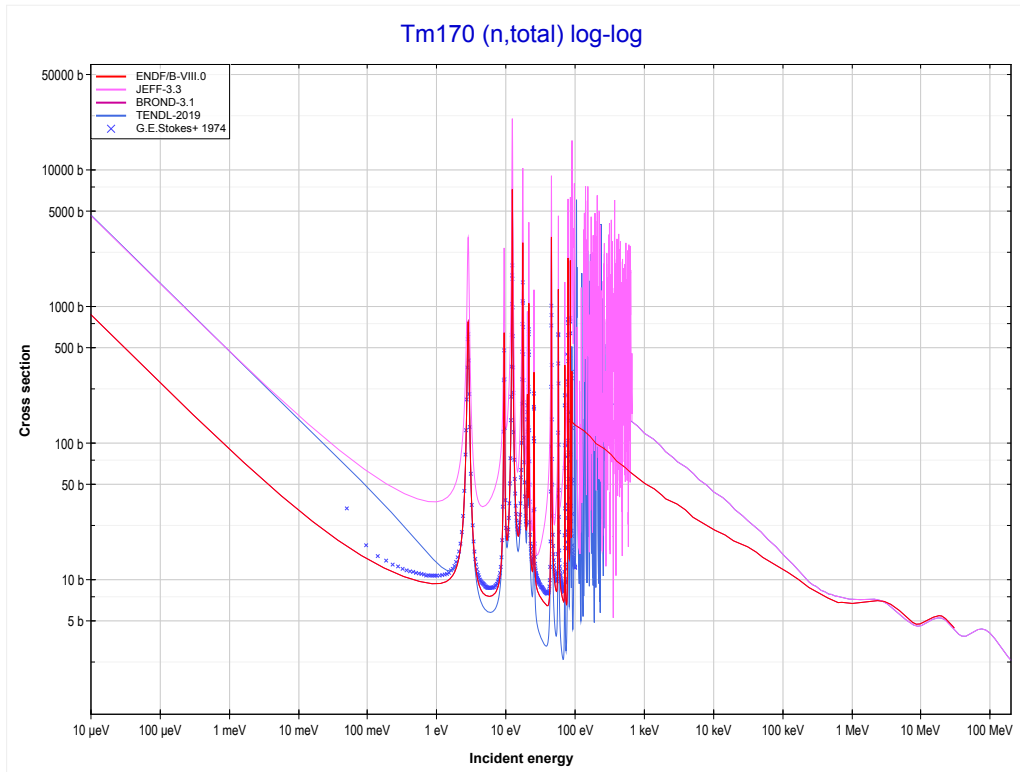
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31879E-13 b | 3.67409E-14 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.98208E-12 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51649E-13 b | 6.6464E-14 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.4242E-13 b | 1.4486E-13 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.98208E-12 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51588E-13 b | 6.6466E-14 b |

| | | |
|-------------------------------|--|----------------------------|
| << 68-Er-170 | 69-Tm-169 | 70-Yb-168 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ho166 production) | 69-Tm-170 MT1 (n,total) >> |



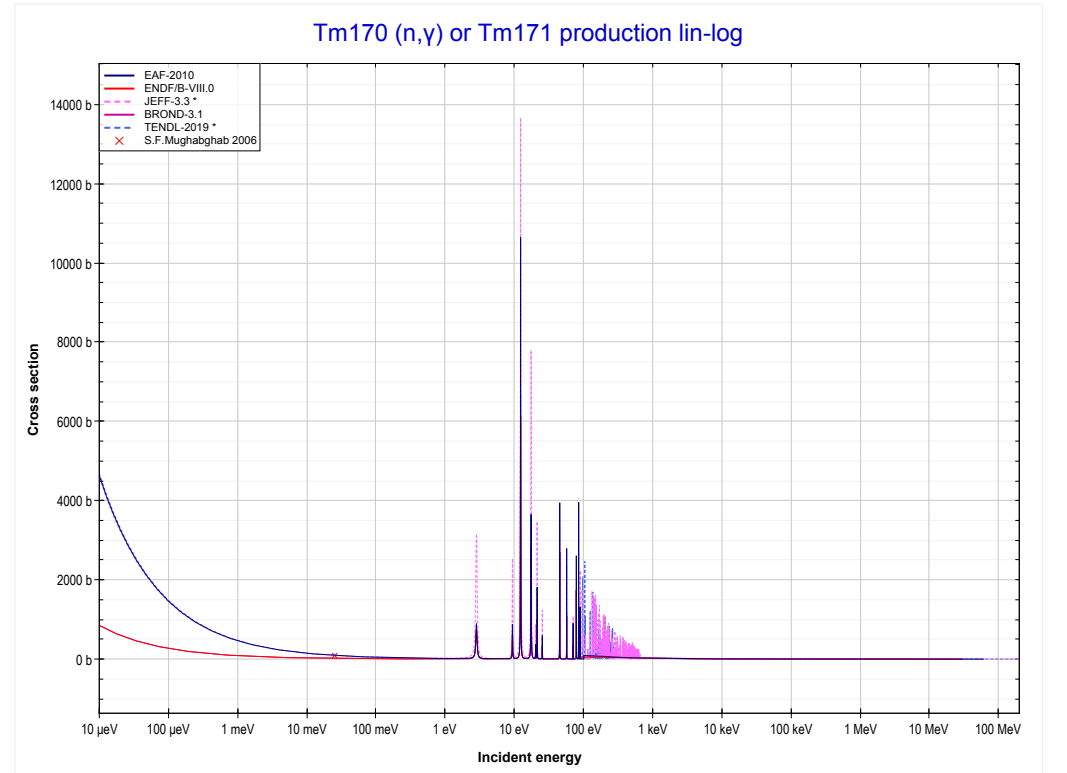
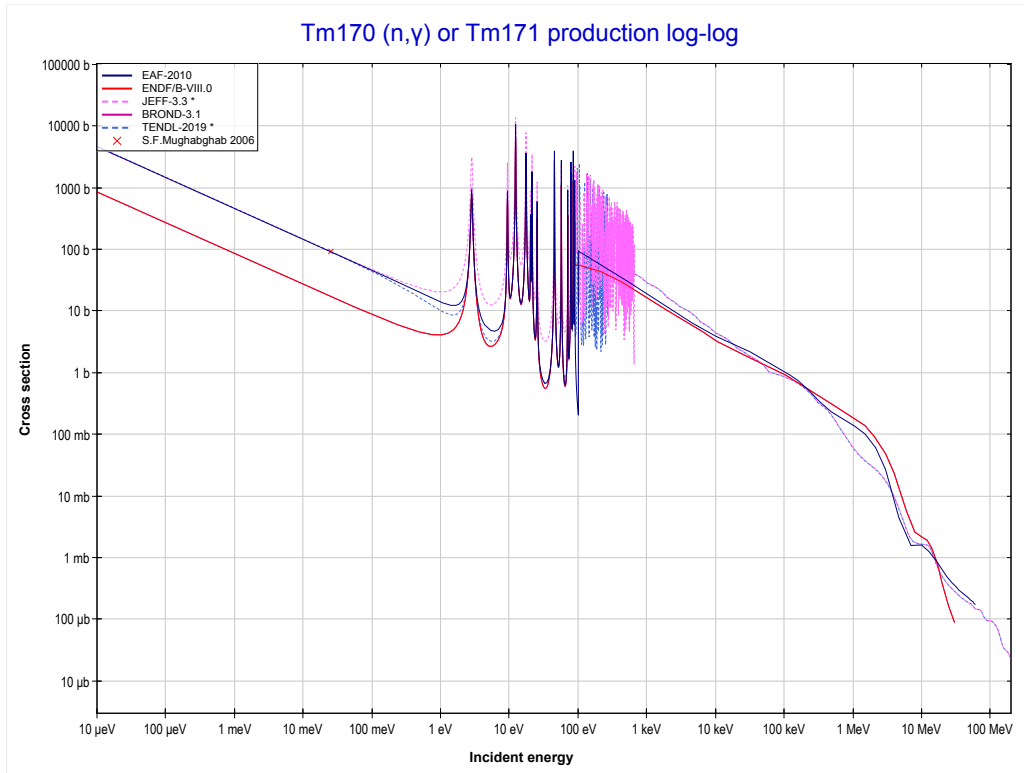
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 3.04843E-7 b | 3.04843E-7 b | 3.4398E-7 b | 1.12838 | 2.69648E-6 b | 4.37052E-6 b | 0.00300363 b |
| JEFF-3.3 | 9.97761E-6 b | 9.97761E-6 b | 9.9797E-6 b | 1.0002 | 1.26709E-5 b | 1.72457E-6 b | 0.00173445 b |
| JENDL-4.0u | 5.06854E-6 b | 5.06854E-6 b | 5.093E-6 b | 1.00482 | 9.42903E-5 b | 9.78253E-6 b | 0.0020985 b |
| BROND-3.1 | 3.04843E-7 b | 3.04843E-7 b | 3.4398E-7 b | 1.12838 | 2.69648E-6 b | 4.37052E-6 b | 0.00300363 b |
| TENDL-2019 | 9.99632E-6 b | 9.99632E-6 b | 9.995E-6 b | 0.99987 | 2.89673E-6 b | 1.66202E-6 b | 0.00206041 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 69-Tm-169 | 69-Tm-170 | 69-Tm-171 >> |
| << 69-Tm-169 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



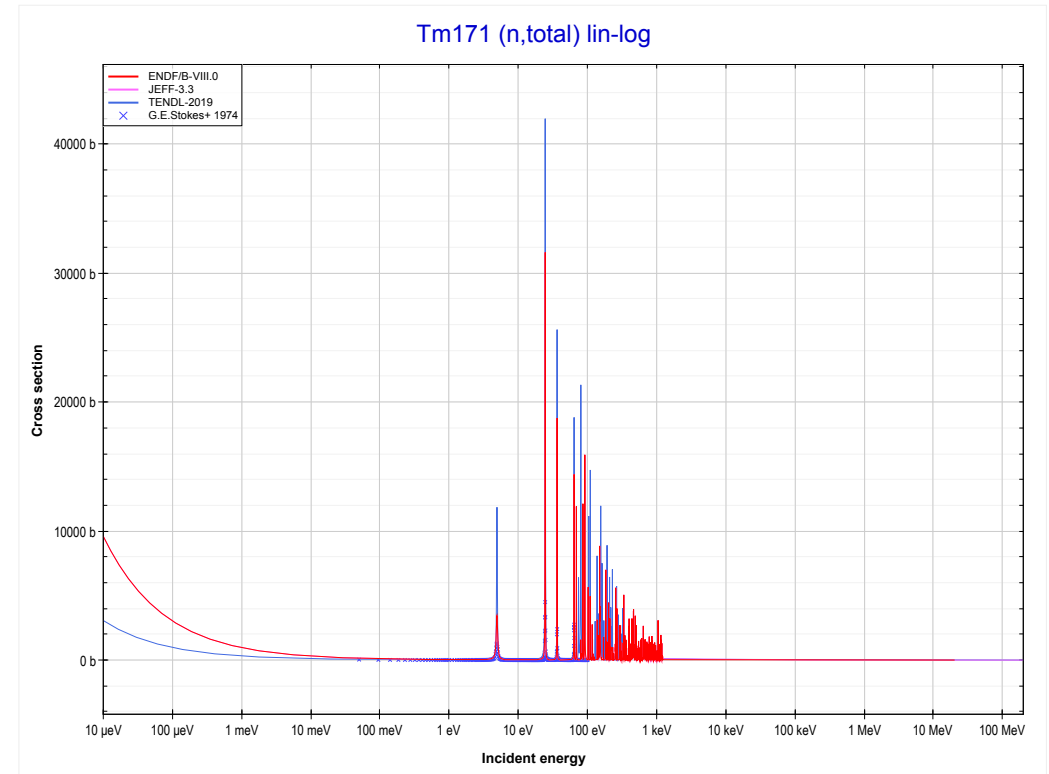
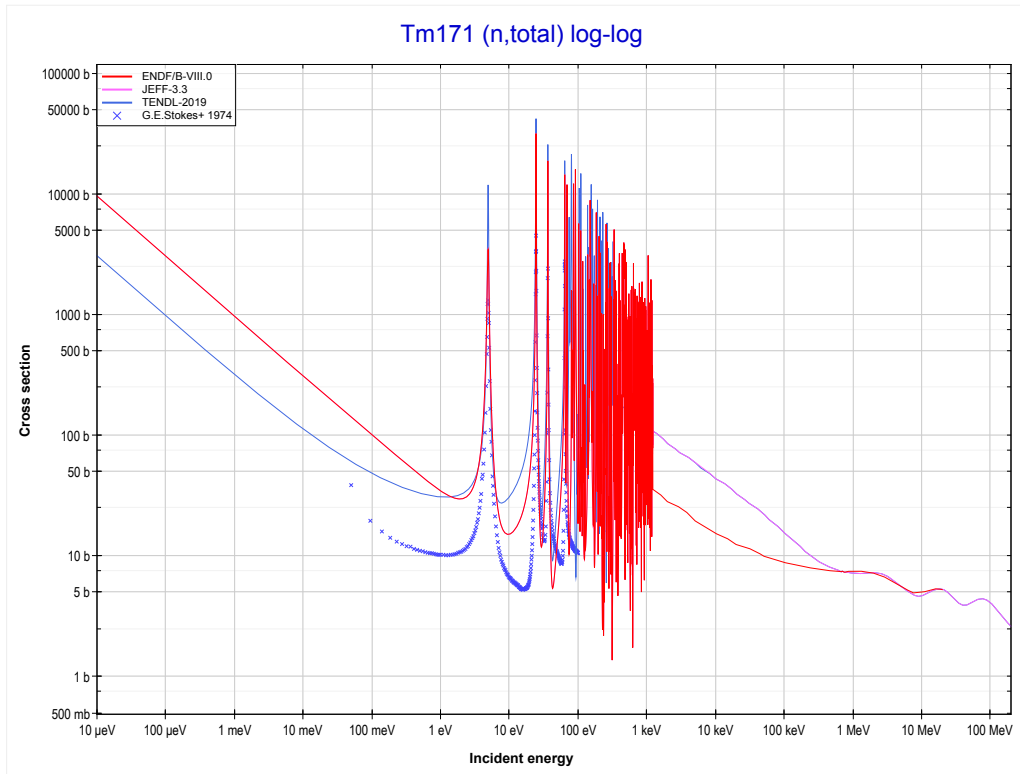
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.5181 b | 22.5181 b | 23.292 b | 1.03438 | 812.593 b | 7.08747 b | 5.27247 b |
| JEFF-3.3 | 106.867 b | 106.867 b | 109.2 b | 1.02188 | 4049.7 b | 7.485 b | 5.1085 b |
| BROND-3.1 | 22.5181 b | 22.5181 b | 23.292 b | 1.03438 | 812.593 b | 7.08747 b | 5.27247 b |
| TENDL-2019 | 95.3527 b | 95.3527 b | 95.137 b | 0.99774 | 1184.77 b | 7.48499 b | 5.10851 b |

| | | |
|------------------|--|----------------------------|
| << 69-Tm-169 | 69-Tm-170 | 69-Tm-171 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Tm171 production) | 69-Tm-171 MT1 (n,total) >> |



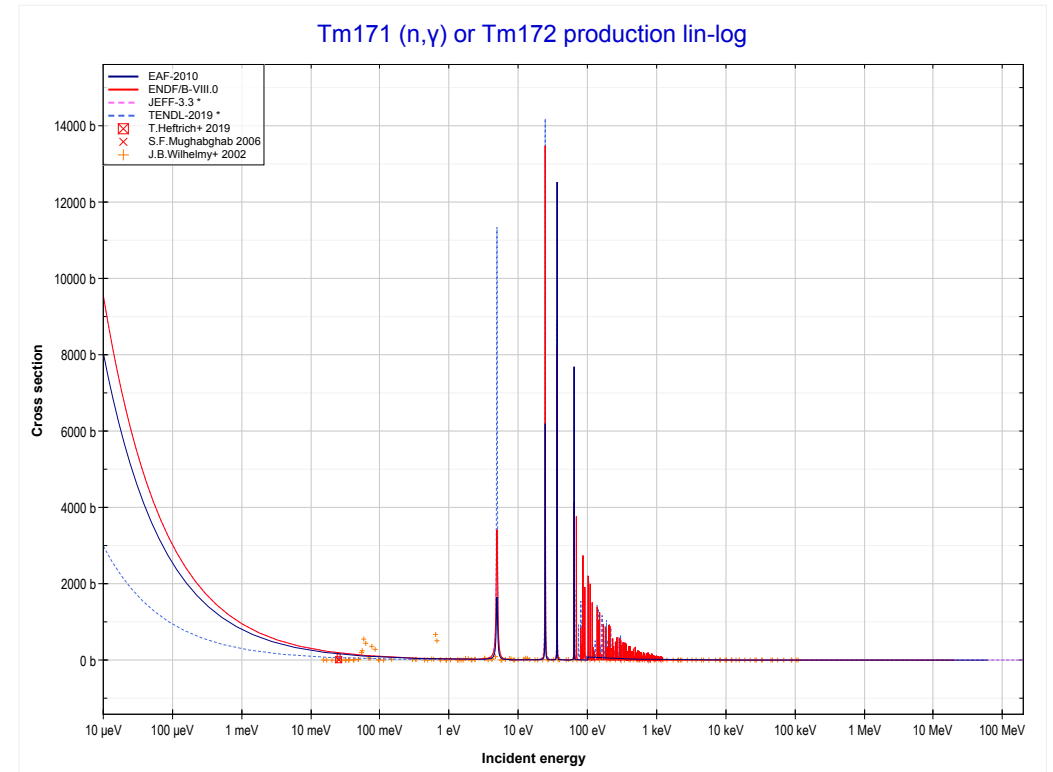
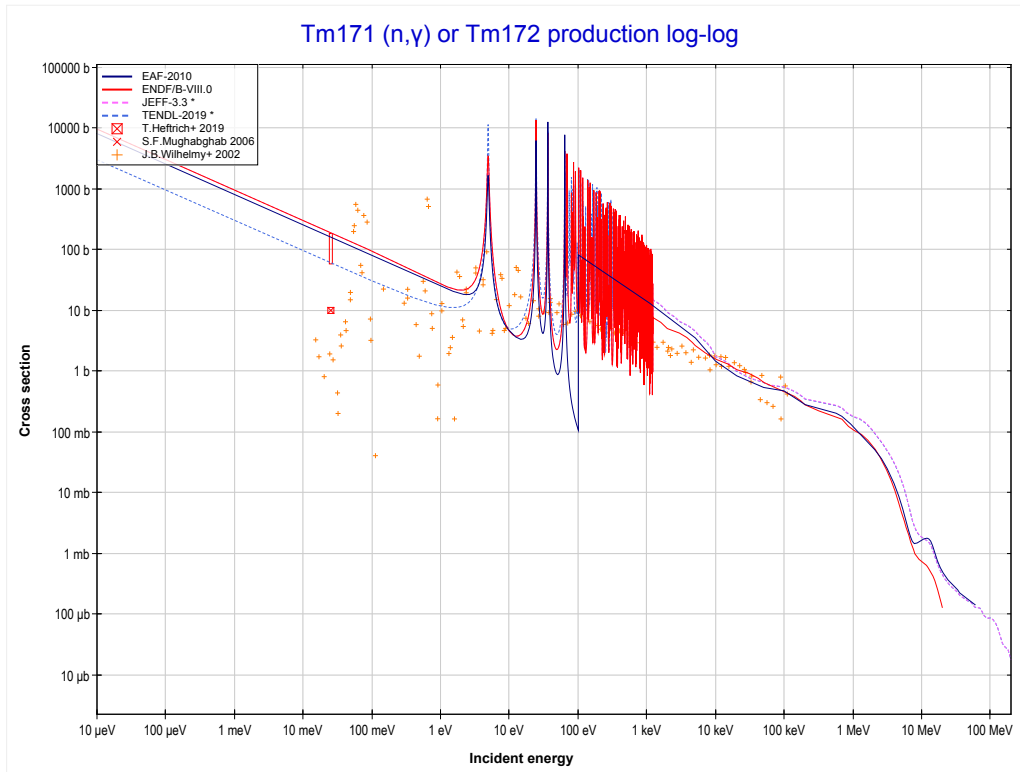
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 91.836 b | 91.7668 b | 91.648 b | 0.9987 | 557.211 b | 0.148526 b | 0.00111 b |
| ENDF/B-VIII.0 | 17.0494 b | 17.0494 b | 17.125 b | 1.00442 | 507.513 b | 0.177001 b | 0.0014291 b |
| JEFF-3.3 | 91.5205 b | 91.5205 b | 91.841 b | 1.0035 | 1624.14 b | 0.109024 b | 0.0012801 b |
| BROND-3.1 | 17.0494 b | 17.0494 b | 17.125 b | 1.00442 | 507.513 b | 0.177001 b | 0.0014291 b |
| TENDL-2019 | 91.6786 b | 91.6786 b | 91.005 b | 0.99265 | 645.297 b | 0.107287 b | 0.00127846 b |

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|-----------------------------------|----------------------|-------------------------|
| << 69-Tm-170 | 69-Tm-171 | 70-Yb-168 >> |
| << 69-Tm-170 MT102 (n, γ) | MT1 (n,total) | MT102 (n, γ) >> |



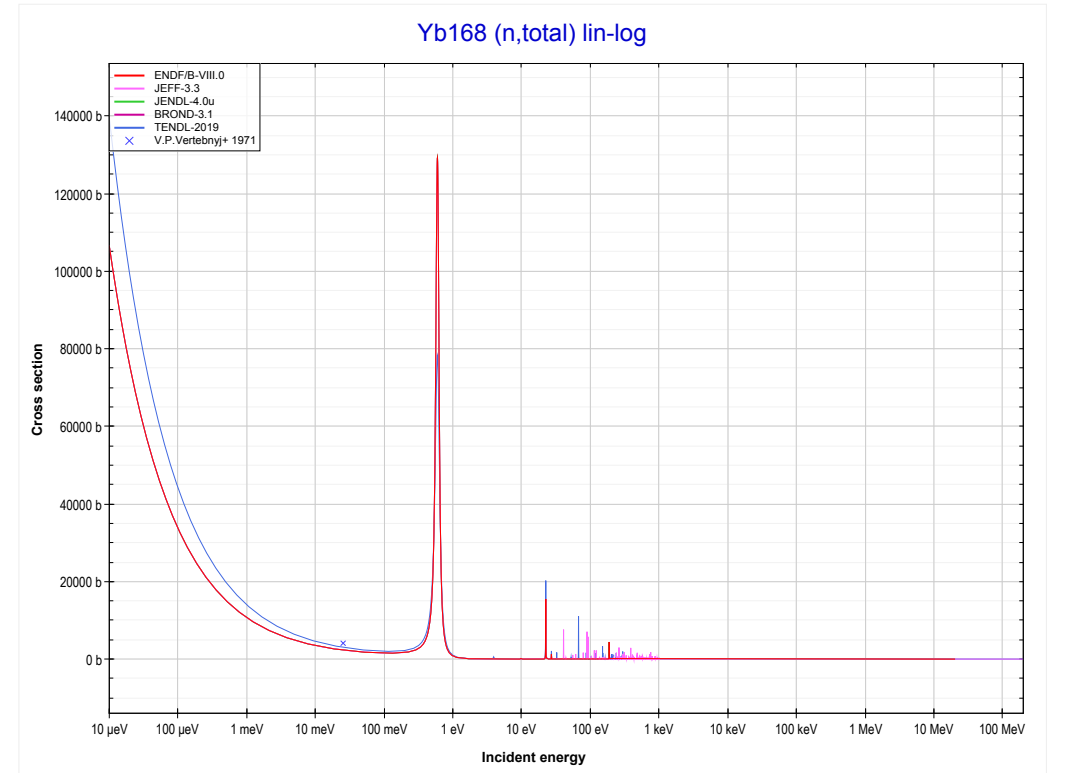
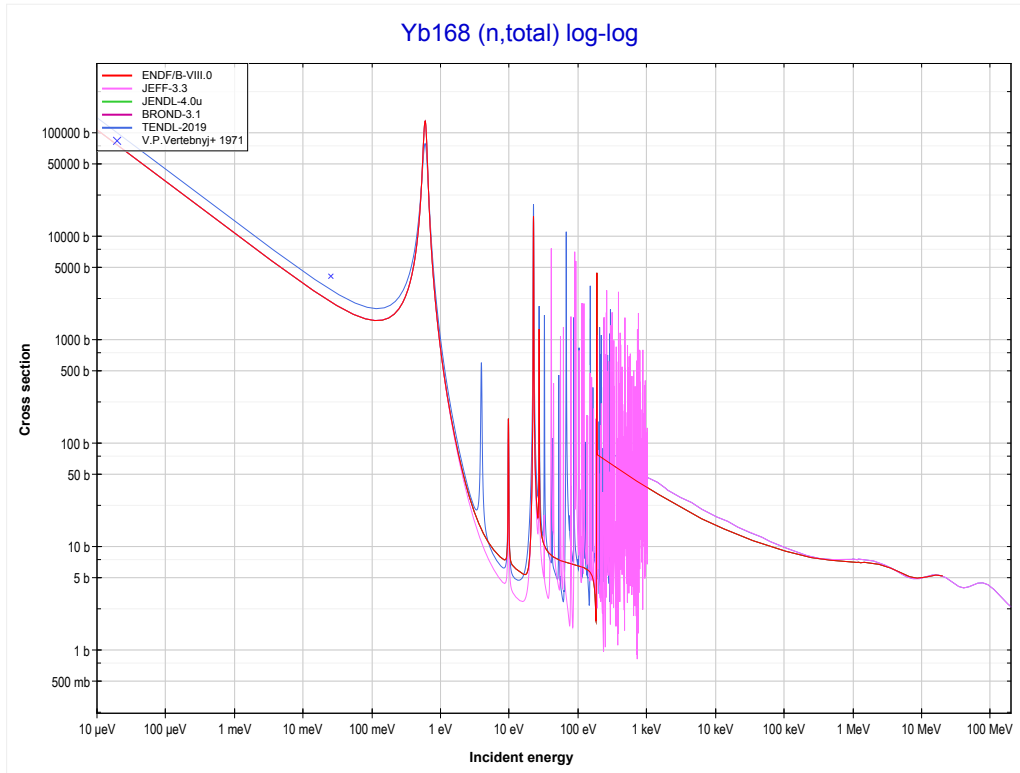
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 196.024 b | 196.024 b | 196.5 b | 1.00243 | 2764.64 b | 7.07768 b | 5.24653 b |
| JEFF-3.3 | 196.013 b | 196.013 b | 196.52 b | 1.00257 | 2902.08 b | 7.49257 b | 5.12186 b |
| TENDL-2019 | 77.4184 b | 77.4184 b | 79.869 b | 1.03165 | 4398.36 b | 7.49158 b | 5.12185 b |

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|------------------|--|----------------------------|
| << 69-Tm-170 | 69-Tm-171 | 70-Yb-168 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Tm172 production) | 70-Yb-168 MT1 (n,total) >> |



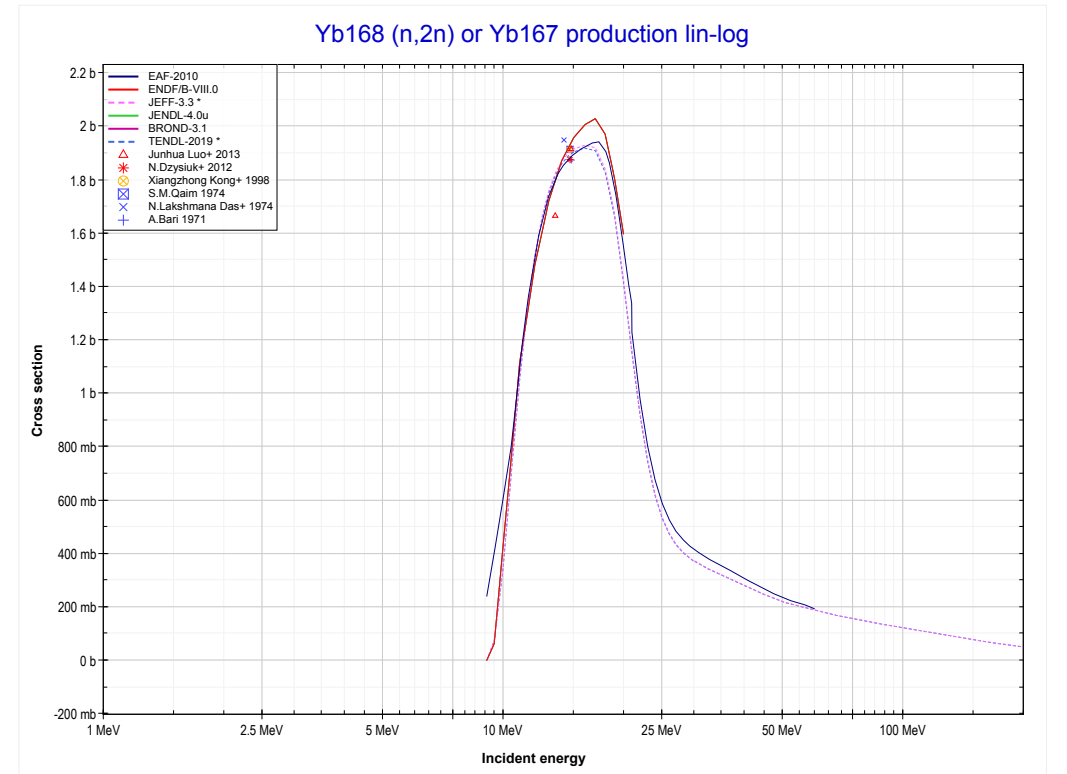
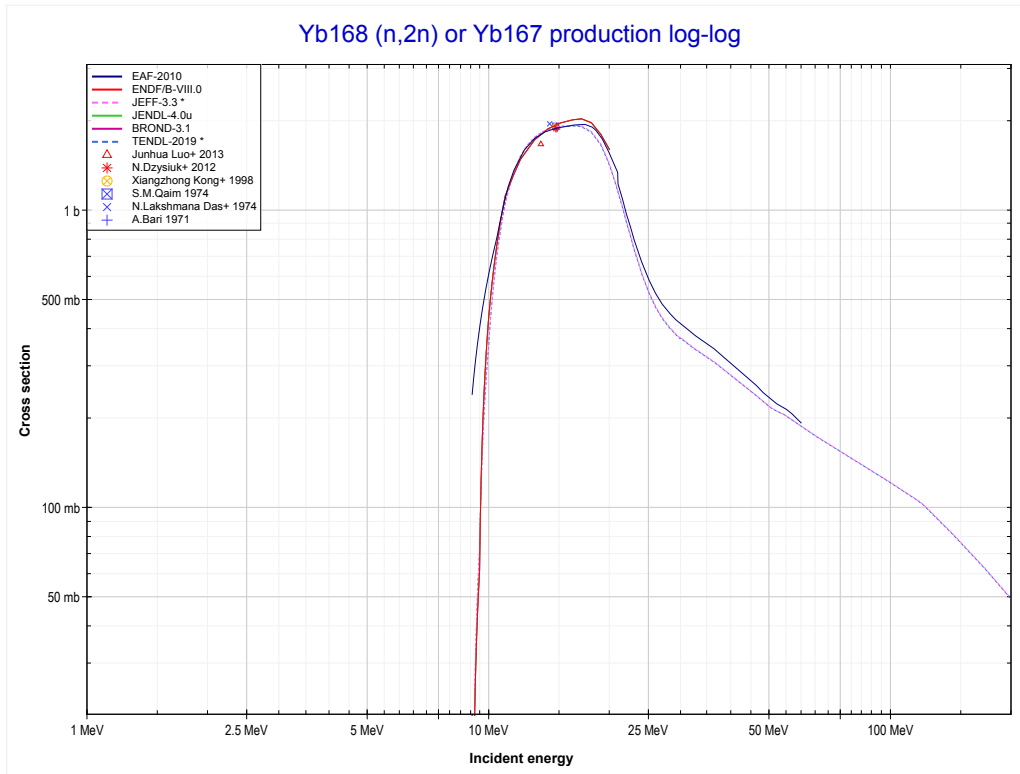
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 160 b | 159.88 b | 159.78 b | 0.9994 | 467.781 b | 0.104741 b | 0.00146276 b |
| ENDF/B-VIII.0 | 189.162 b | 189.162 b | 188.74 b | 0.99777 | 992.172 b | 0.100132 b | 4.64674E-4 b |
| JEFF-3.3 | 189.152 b | 189.152 b | 188.76 b | 0.99791 | 998.35 b | 0.155293 b | 0.00125906 b |
| TENDL-2019 | 59.7056 b | 59.7056 b | 59.844 b | 1.00233 | 1265.74 b | 0.152862 b | 0.00125586 b |

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|-----------------------------------|----------------------|----------------|
| << 69-Tm-171 | 70-Yb-168 | 70-Yb-170 >> |
| << 69-Tm-171 MT102 (n, γ) | MT1 (n,total) | MT16 (n,2n) >> |



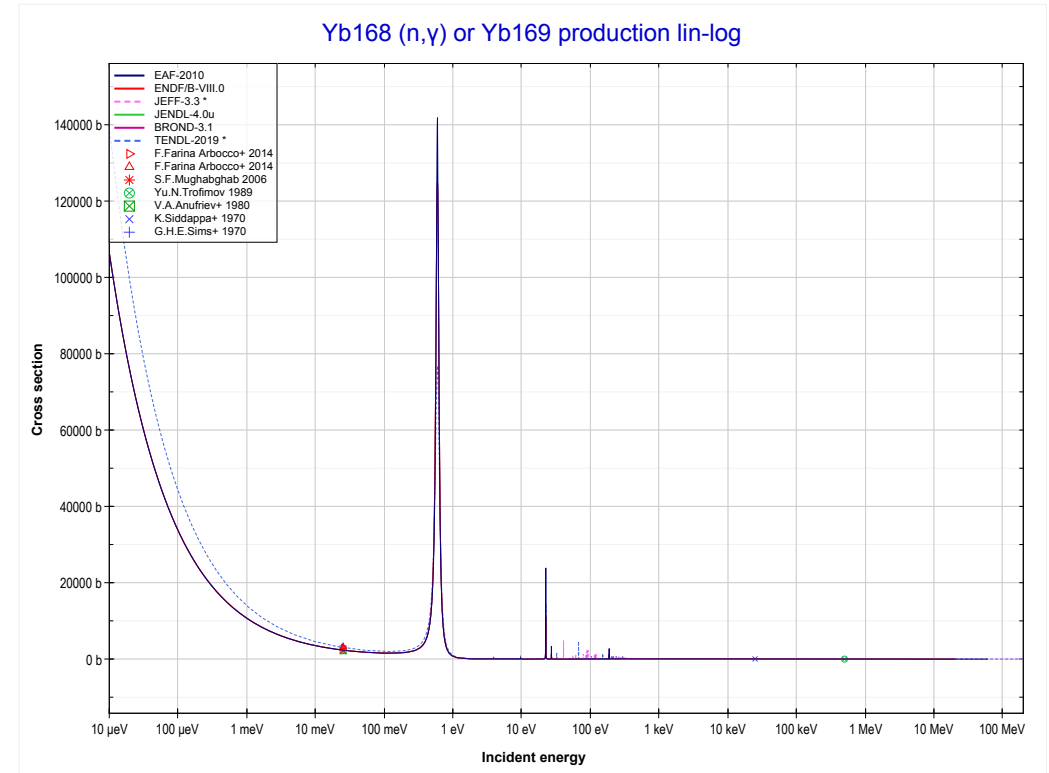
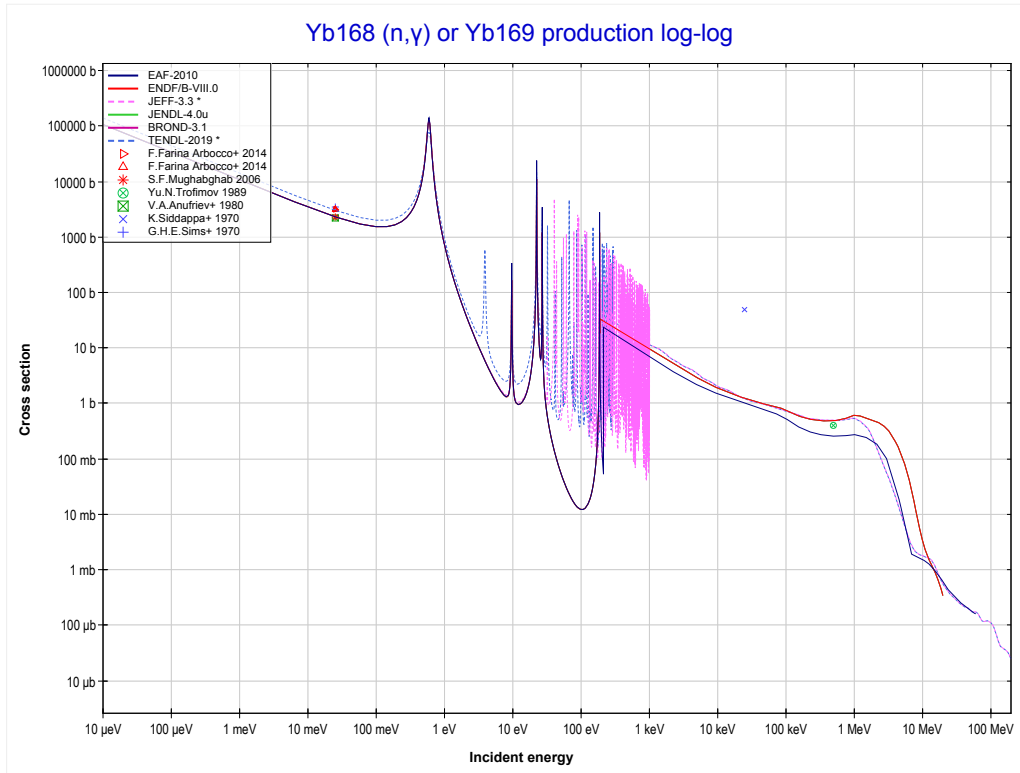
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2310.72 b | 2310.72 b | 2444.2 b | 1.05777 | 22364.4 b | 6.91203 b | 5.25566 b |
| JEFF-3.3 | 2314.85 b | 2314.85 b | 2448.9 b | 1.05792 | 22574.2 b | 7.17141 b | 5.31405 b |
| JENDL-4.0u | 2310.72 b | 2310.72 b | 2444.2 b | 1.05777 | 22364.4 b | 6.91202 b | 5.25566 b |
| BROND-3.1 | 2310.72 b | 2310.72 b | 2444.2 b | 1.05777 | 22364.4 b | 6.91202 b | 5.25566 b |
| TENDL-2019 | 3025.52 b | 3025.52 b | 3197.2 b | 1.05673 | 18093.1 b | 7.17161 b | 5.31405 b |

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|------------------|--|-------------------------|
| << 69-Tm-169 | 70-Yb-168 | 70-Yb-170 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (Yb167 production) | MT102 (n, γ) >> |



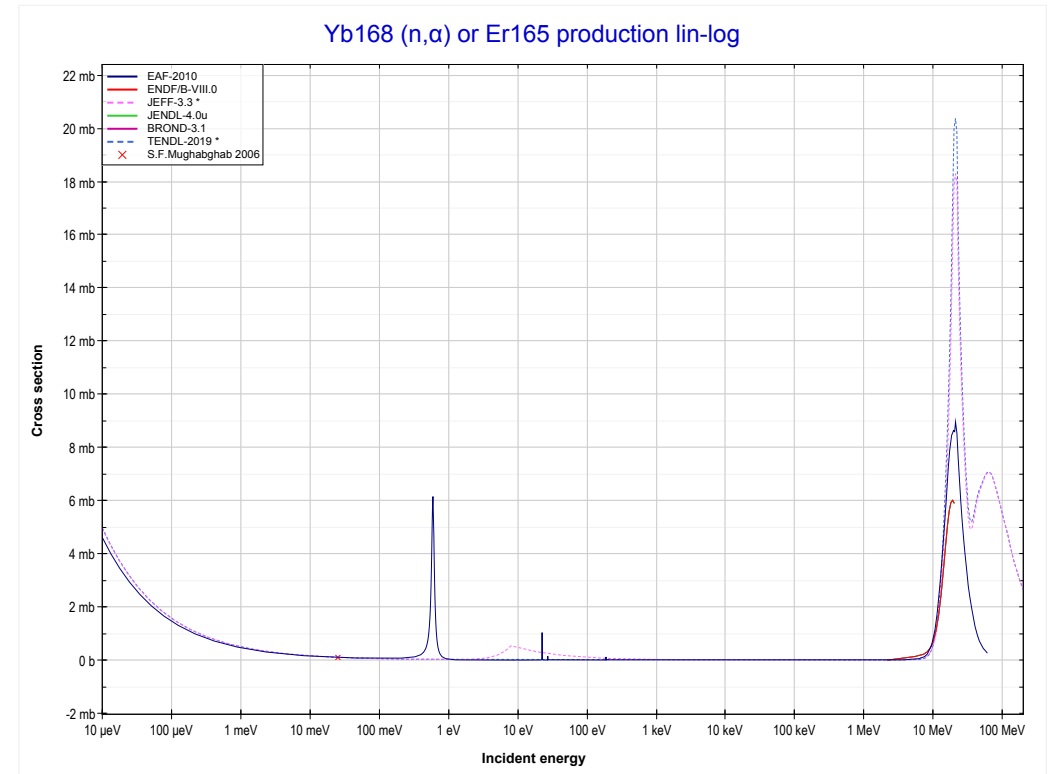
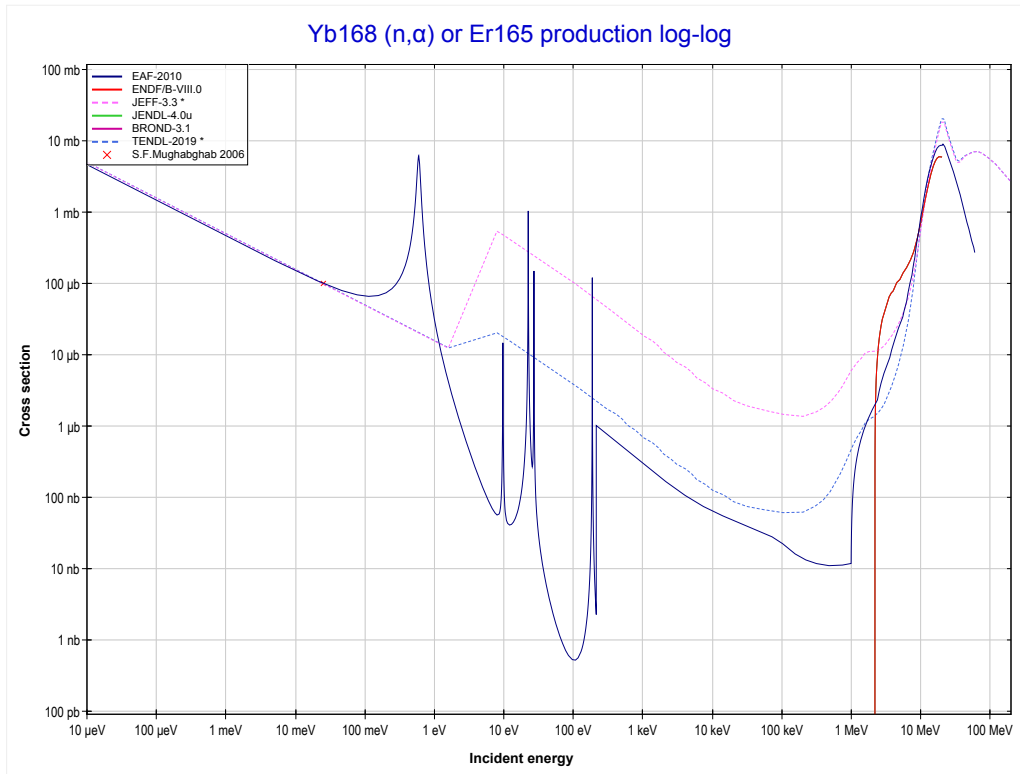
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00265952 b | 1.84296 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00242049 b | 1.869 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00234105 b | 1.86795 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00242049 b | 1.869 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00242049 b | 1.869 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00233367 b | 1.85841 b |

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|----------------|--|-------------------------|
| << 69-Tm-171 | 70-Yb-168 | 70-Yb-169 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Yb169 production) | MT107 (n, α) >> |



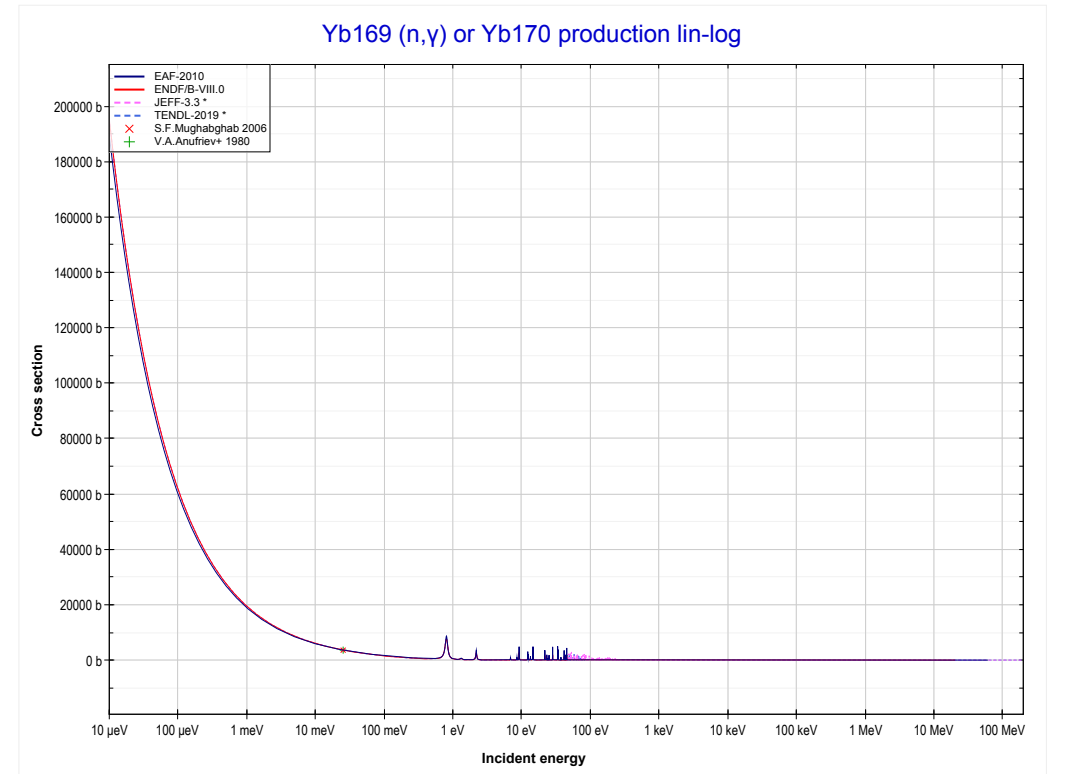
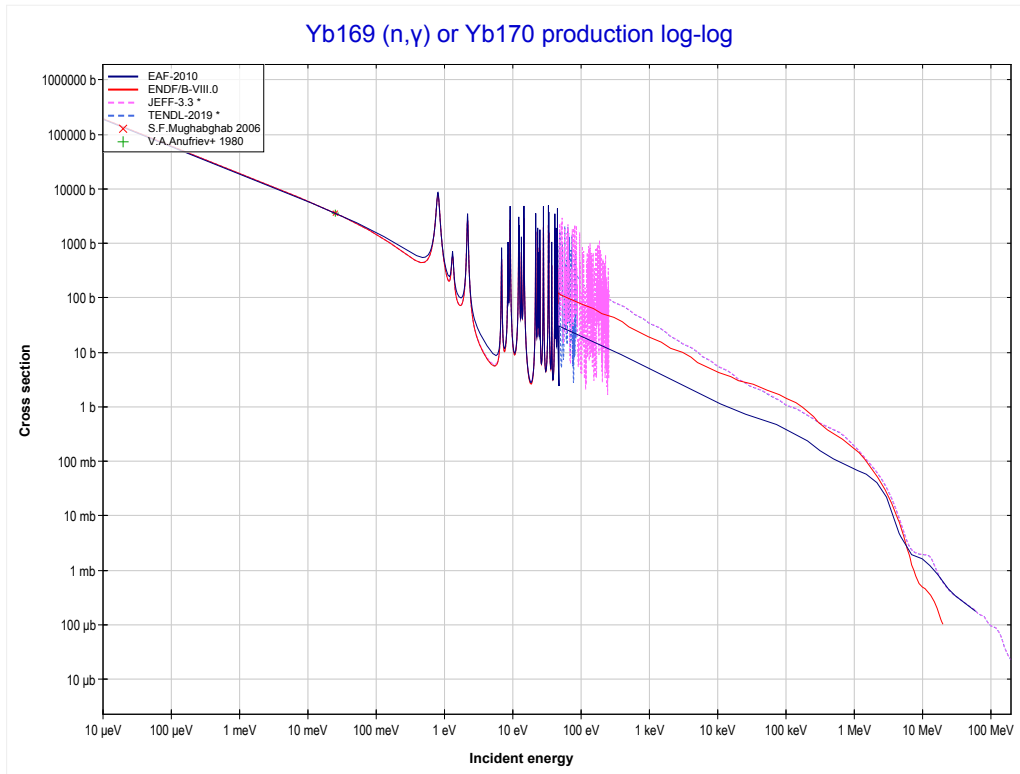
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2305.3 b | 2303.89 b | 2435.9 b | 1.05743 | 21212.5 b | 0.198995 b | 0.00111 b |
| ENDF/B-VIII.0 | 2307.74 b | 2307.74 b | 2439.9 b | 1.05726 | 21362.2 b | 0.450832 b | 0.001153 b |
| JEFF-3.3 | 2309.01 b | 2309.01 b | 2441 b | 1.05718 | 21482.5 b | 0.311568 b | 0.00145081 b |
| JENDL-4.0u | 2307.74 b | 2307.74 b | 2439.9 b | 1.05726 | 21362.2 b | 0.450832 b | 0.001153 b |
| BROND-3.1 | 2307.74 b | 2307.74 b | 2439.9 b | 1.05726 | 21362.2 b | 0.450832 b | 0.001153 b |
| TENDL-2019 | 3023 b | 3023 b | 3193.6 b | 1.05642 | 17394.7 b | 0.307067 b | 0.00144066 b |

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|-------------------------|--|-----------------------------------|
| << 69-Tm-169 | 70-Yb-168 | 70-Yb-170 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Er165 production) | 70-Yb-169 MT102 (n, γ) >> |



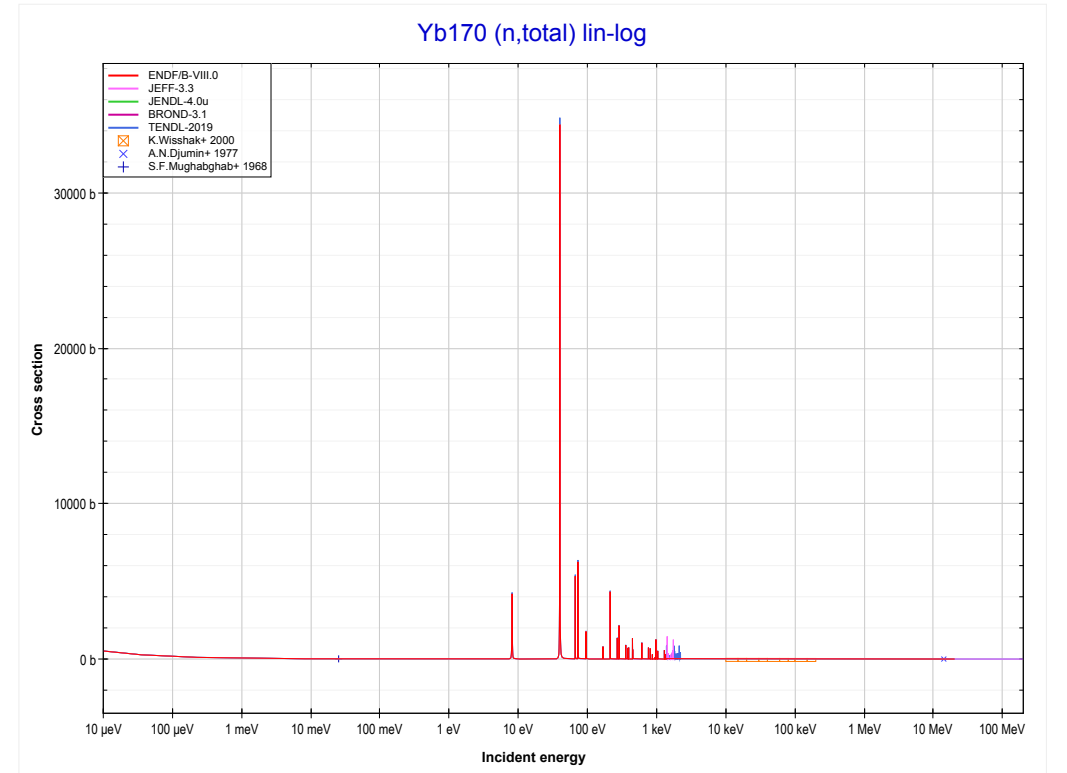
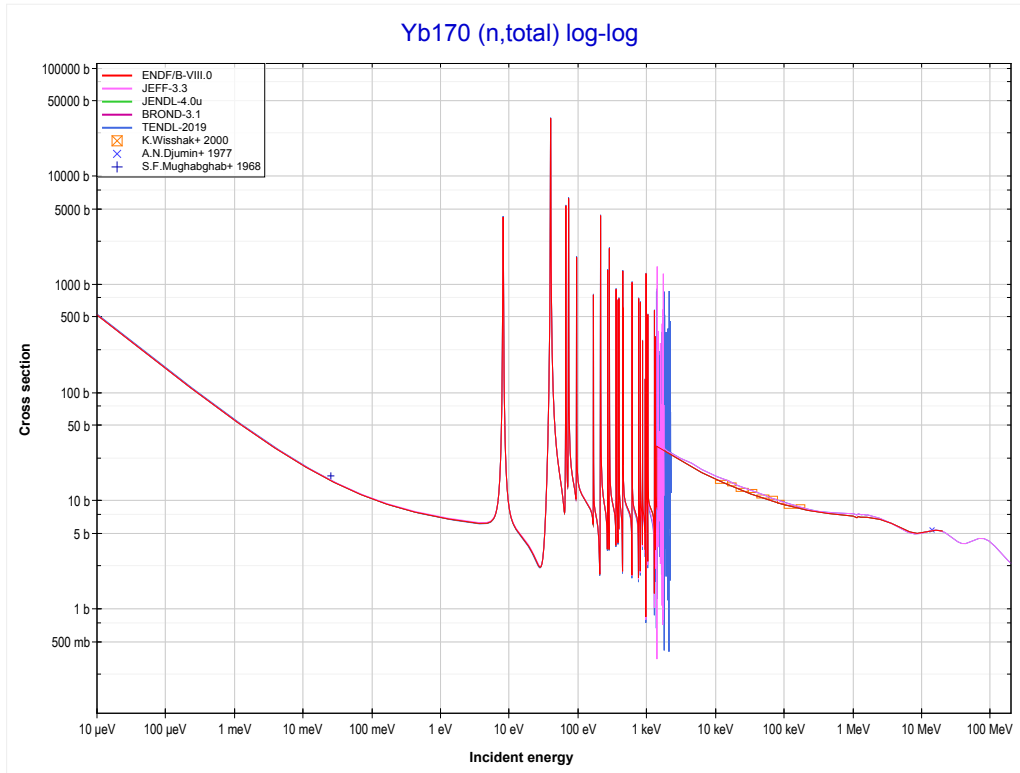
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-4 b | 9.99389E-5 b | 1.0566E-4 b | 1.05743 | 9.20162E-4 b | 1.18086E-5 b | 0.00445352 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76017E-5 b | 0.003335 b |
| JEFF-3.3 | 9.83532E-5 b | 9.83532E-5 b | 9.839E-5 b | 1.00037 | 0.00106399 b | 1.59005E-5 b | 0.00404044 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.76017E-5 b | 0.003335 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76017E-5 b | 0.003335 b |
| TENDL-2019 | 9.92959E-5 b | 9.92959E-5 b | 9.9239E-5 b | 0.99943 | 7.63011E-5 b | 7.40976E-6 b | 0.00475838 b |

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|-----------------------------------|--|----------------------------|
| << 70-Yb-168 | 70-Yb-169 | 70-Yb-170 >> |
| << 70-Yb-168 MT107 (n, α) | MT102 (n,γ) or MT5 (Yb170 production) | 70-Yb-170 MT1 (n,total) >> |



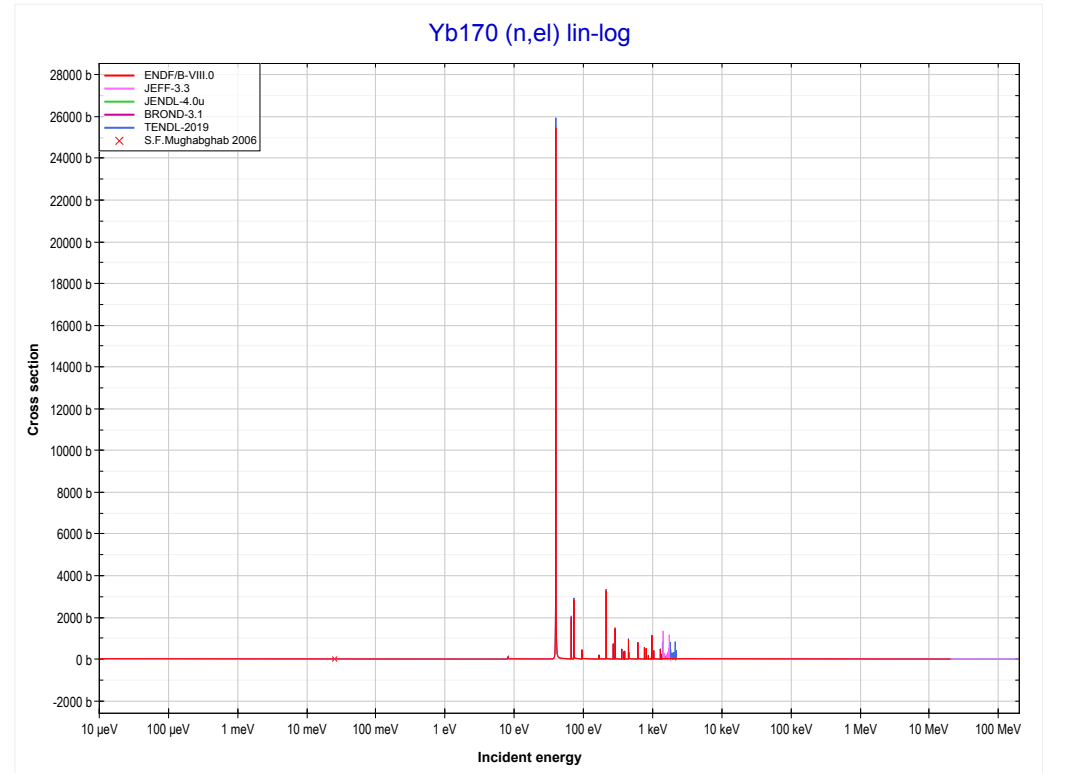
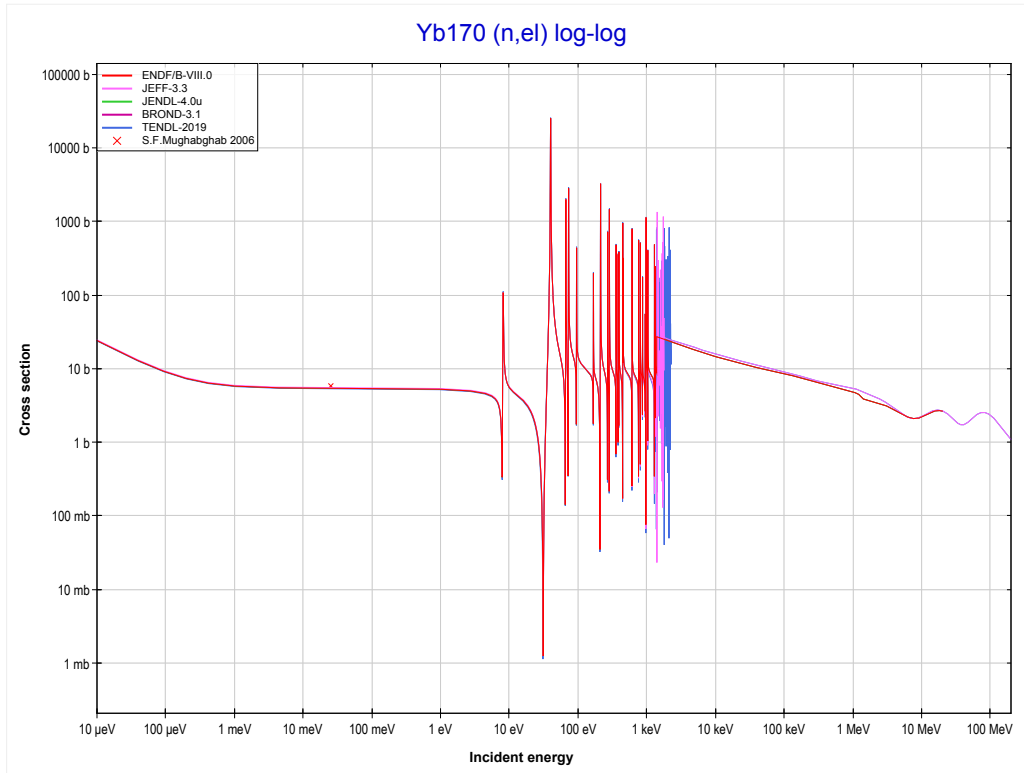
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3600.6 b | 3597.63 b | 3527.1 b | 0.98033 | 2161.81 b | 0.0715188 b | 0.00111 b |
| ENDF/B-VIII.0 | 3598.96 b | 3598.96 b | 3492.3 b | 0.97036 | 2227.65 b | 0.192558 b | 3.11583E-4 b |
| JEFF-3.3 | 3604.62 b | 3604.62 b | 3498.7 b | 0.97062 | 2534.99 b | 0.201318 b | 0.00155743 b |
| TENDL-2019 | 3599.69 b | 3599.69 b | 3492.9 b | 0.97033 | 2436.17 b | 0.197948 b | 0.00154685 b |

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|-----------------------------------|----------------------|--------------------|
| << 70-Yb-168 | 70-Yb-170 | 70-Yb-171 >> |
| << 70-Yb-169 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



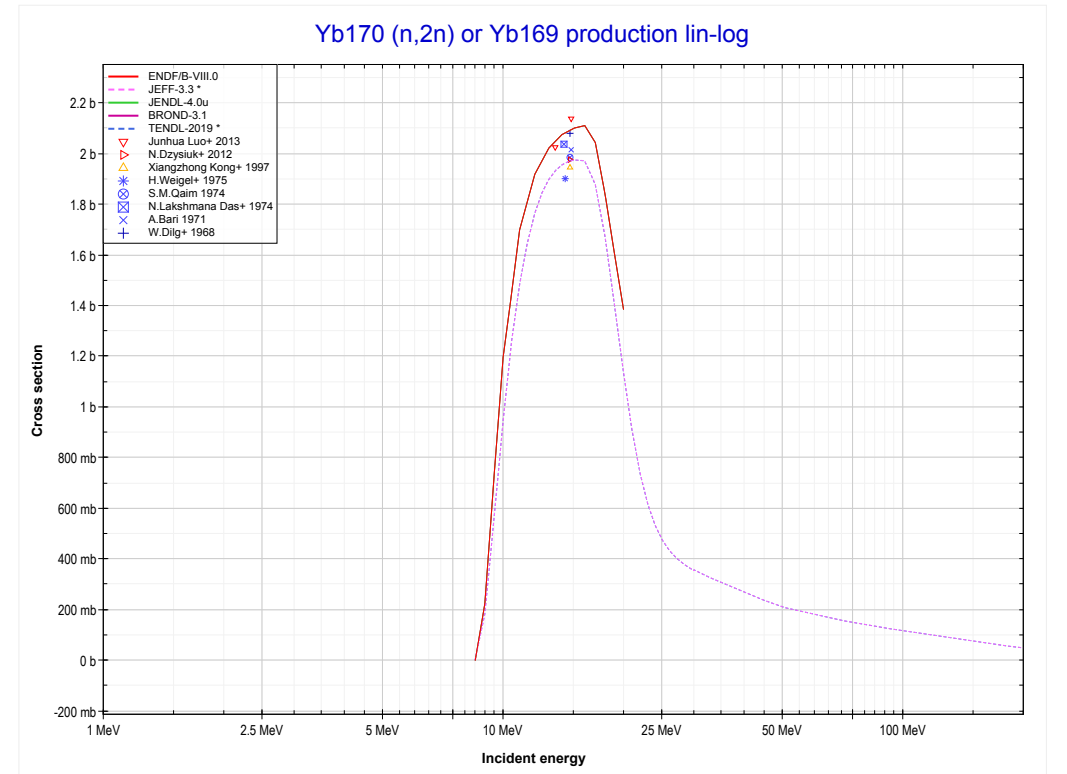
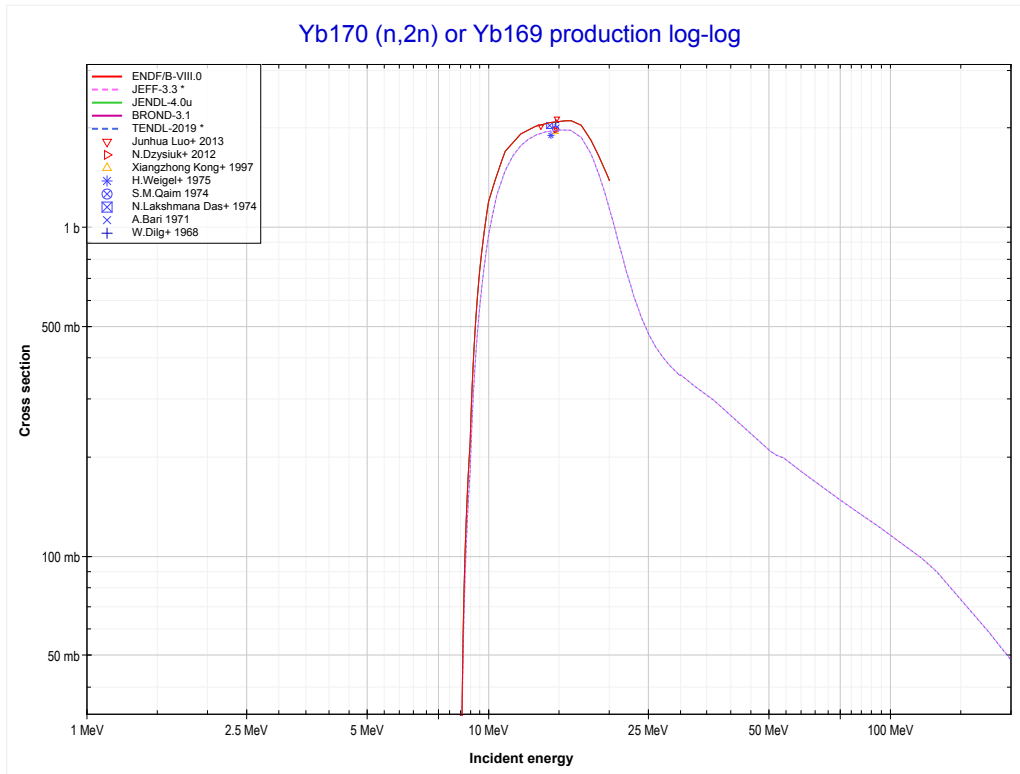
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.3369 b | 15.3369 b | 16.044 b | 1.04612 | 865.87 b | 6.97065 b | 5.28948 b |
| JEFF-3.3 | 15.4655 b | 15.4655 b | 16.187 b | 1.04664 | 873.564 b | 7.17789 b | 5.33035 b |
| JENDL-4.0u | 15.3369 b | 15.3369 b | 16.044 b | 1.04612 | 865.87 b | 6.97065 b | 5.28948 b |
| BROND-3.1 | 15.3369 b | 15.3369 b | 16.044 b | 1.04612 | 865.87 b | 6.97065 b | 5.28948 b |
| TENDL-2019 | 15.4908 b | 15.4908 b | 16.185 b | 1.04479 | 885.954 b | 7.17915 b | 5.33036 b |

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|------------------|------------------------|----------------|
| << 69-Tm-169 | 70-Yb-170 | 70-Yb-171 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



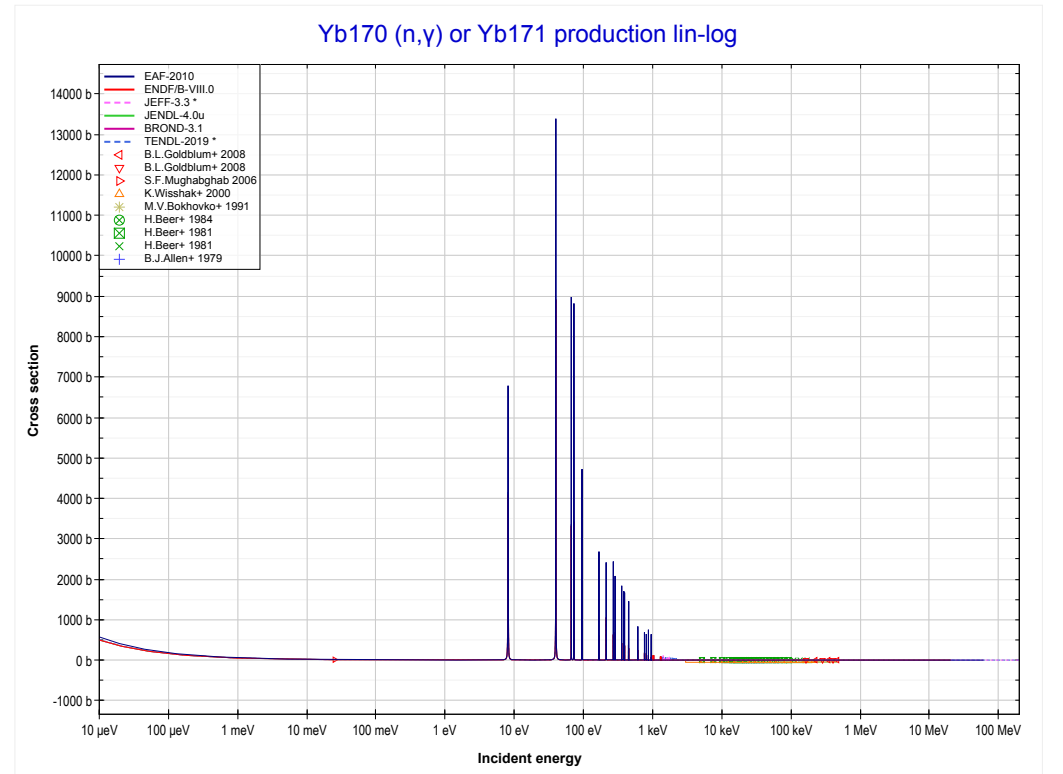
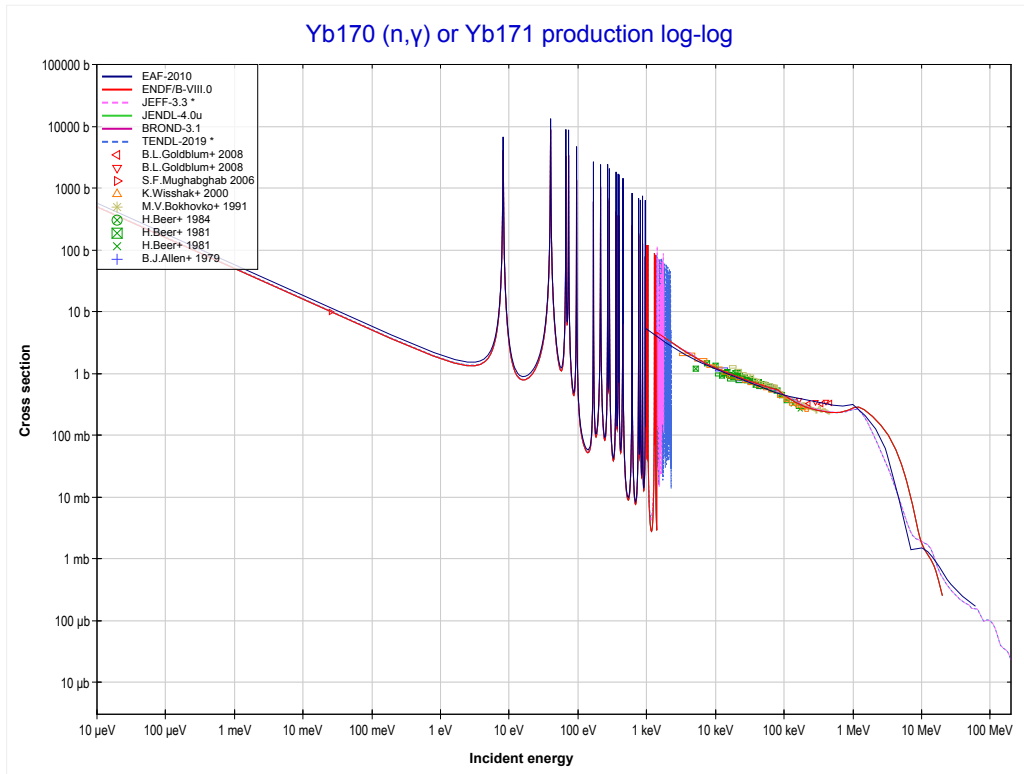
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.42203 b | 5.42203 b | 6.1142 b | 1.12766 | 554.686 b | 4.24197 b | 2.579 b |
| JEFF-3.3 | 5.53704 b | 5.53704 b | 6.2439 b | 1.12767 | 562.315 b | 4.73177 b | 2.64362 b |
| JENDL-4.0u | 5.42203 b | 5.42203 b | 6.1142 b | 1.12766 | 554.686 b | 4.24197 b | 2.579 b |
| BROND-3.1 | 5.42203 b | 5.42203 b | 6.1142 b | 1.12766 | 554.686 b | 4.24197 b | 2.579 b |
| TENDL-2019 | 5.33903 b | 5.33903 b | 6.0209 b | 1.12771 | 571.055 b | 4.73417 b | 2.64362 b |

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|--------------------|--|-------------------------|
| << 70-Yb-168 | 70-Yb-170 | 70-Yb-176 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Yb169 production) | MT102 (n, γ) >> |



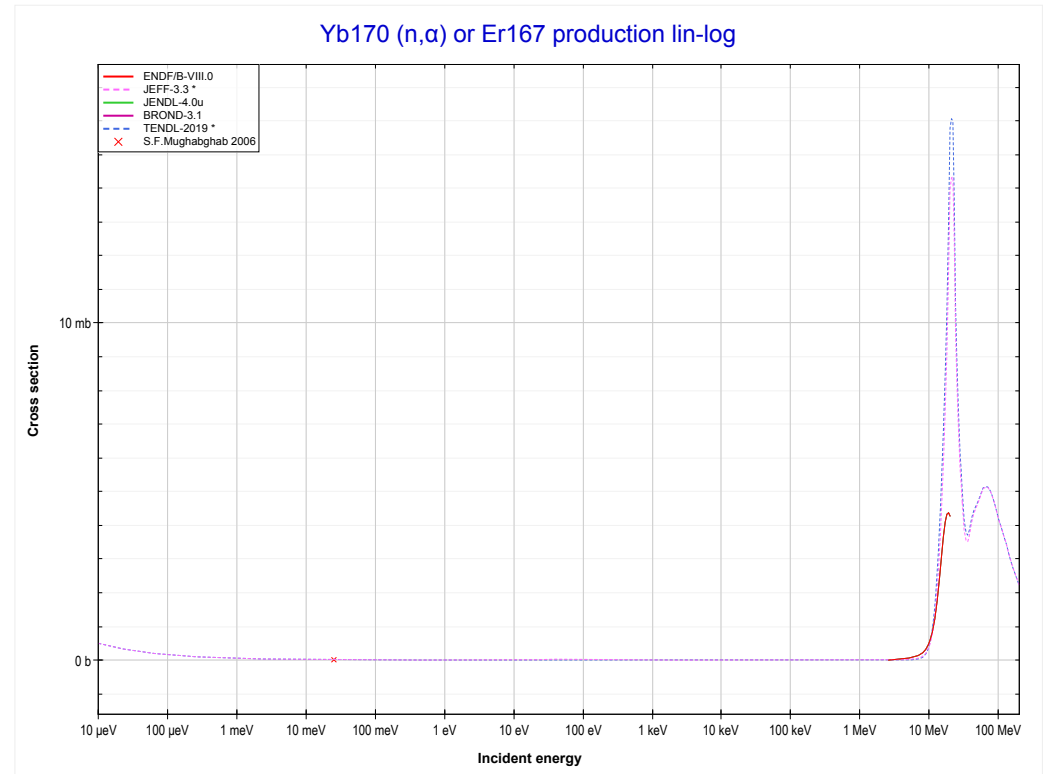
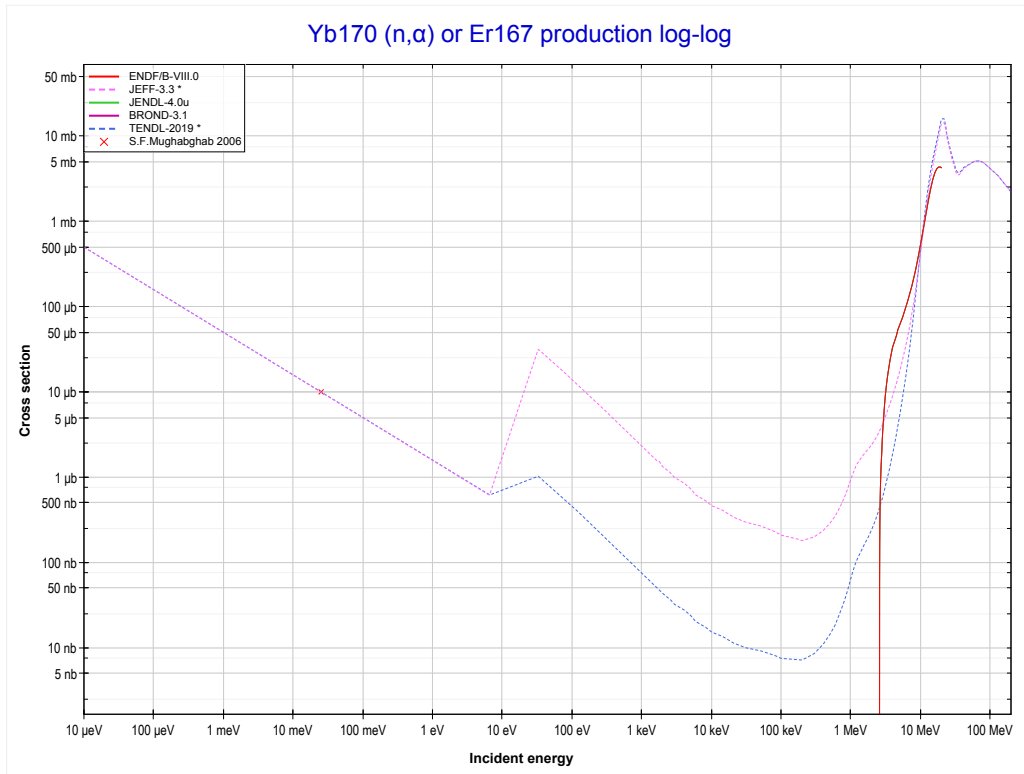
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0047695 b | 2.074 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00408519 b | 1.95465 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0047695 b | 2.074 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0047695 b | 2.074 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00409663 b | 1.9548 b |

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|----------------|--|-------------------------|
| << 70-Yb-169 | 70-Yb-170 | 70-Yb-171 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Yb171 production) | MT107 (n, α) >> |



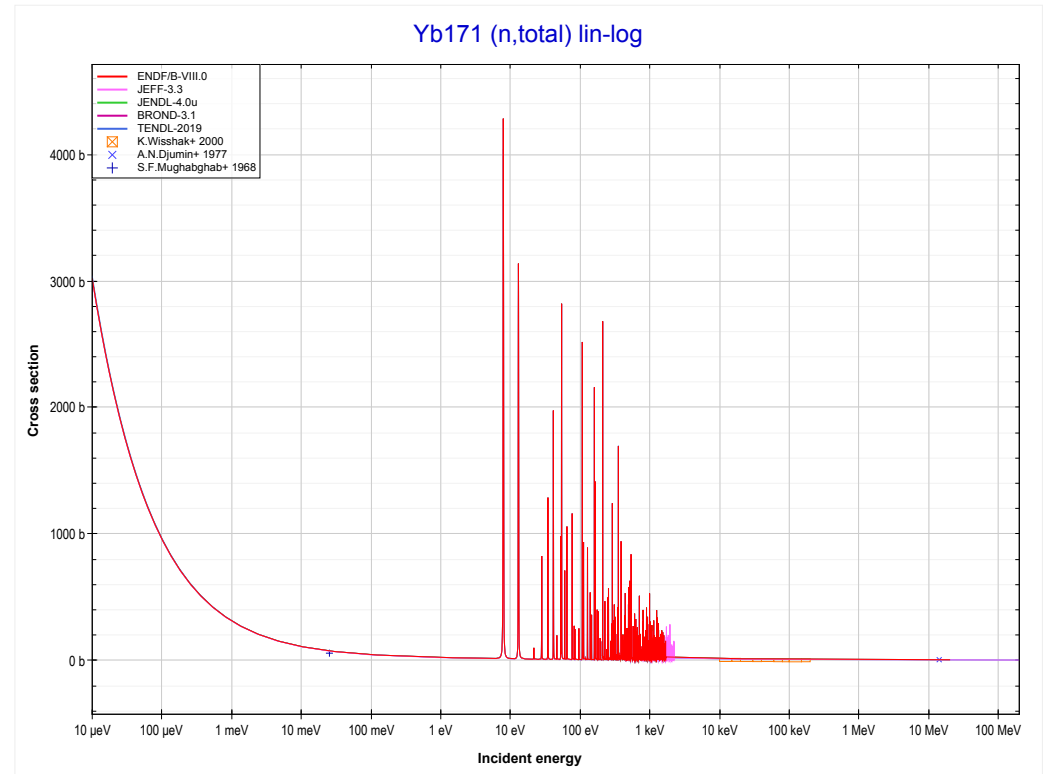
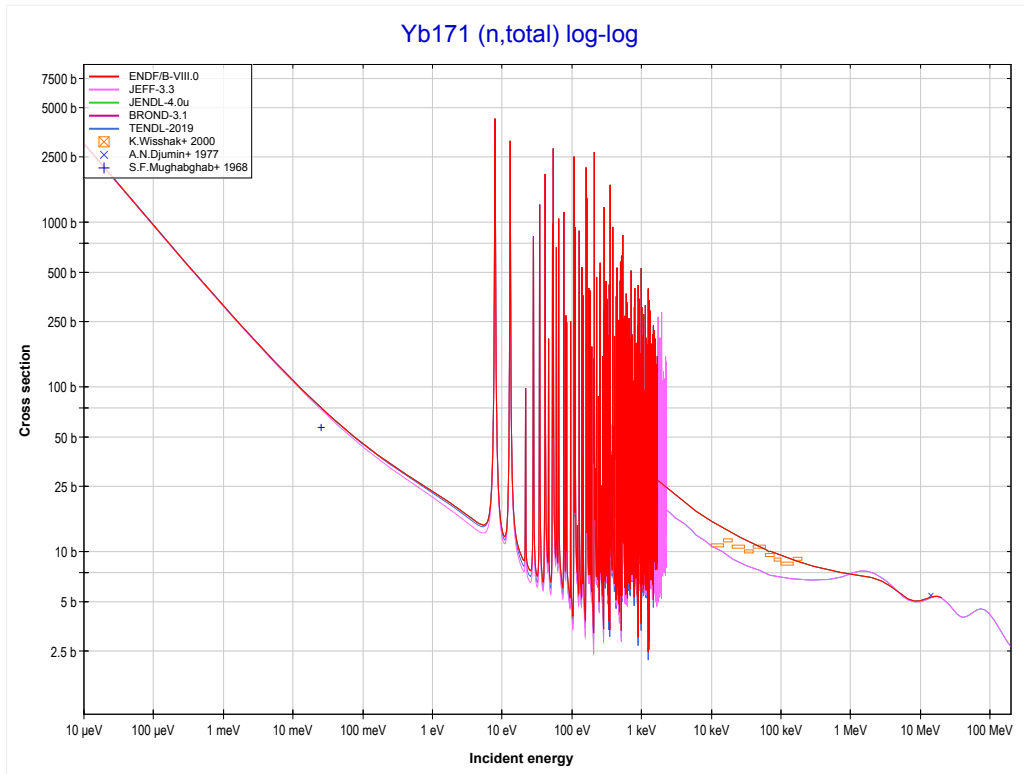
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.425 b | 11.4165 b | 11.429 b | 1.00113 | 322.866 b | 0.190133 b | 0.00111 b |
| ENDF/B-VIII.0 | 9.91484 b | 9.91484 b | 9.93 b | 1.00153 | 311.17 b | 0.199762 b | 9.19E-4 b |
| JEFF-3.3 | 9.92845 b | 9.92845 b | 9.9429 b | 1.00145 | 311.237 b | 0.159342 b | 0.00135629 b |
| JENDL-4.0u | 9.91484 b | 9.91484 b | 9.93 b | 1.00153 | 311.17 b | 0.199762 b | 9.19E-4 b |
| BROND-3.1 | 9.91484 b | 9.91484 b | 9.93 b | 1.00153 | 311.17 b | 0.199762 b | 9.19E-4 b |
| TENDL-2019 | 10.1518 b | 10.1518 b | 10.164 b | 1.00117 | 314.907 b | 0.156949 b | 0.00135243 b |

| | | |
|-------------------------|--|----------------------------|
| << 70-Yb-168 | 70-Yb-170 | 70-Yb-171 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Er167 production) | 70-Yb-171 MT1 (n,total) >> |



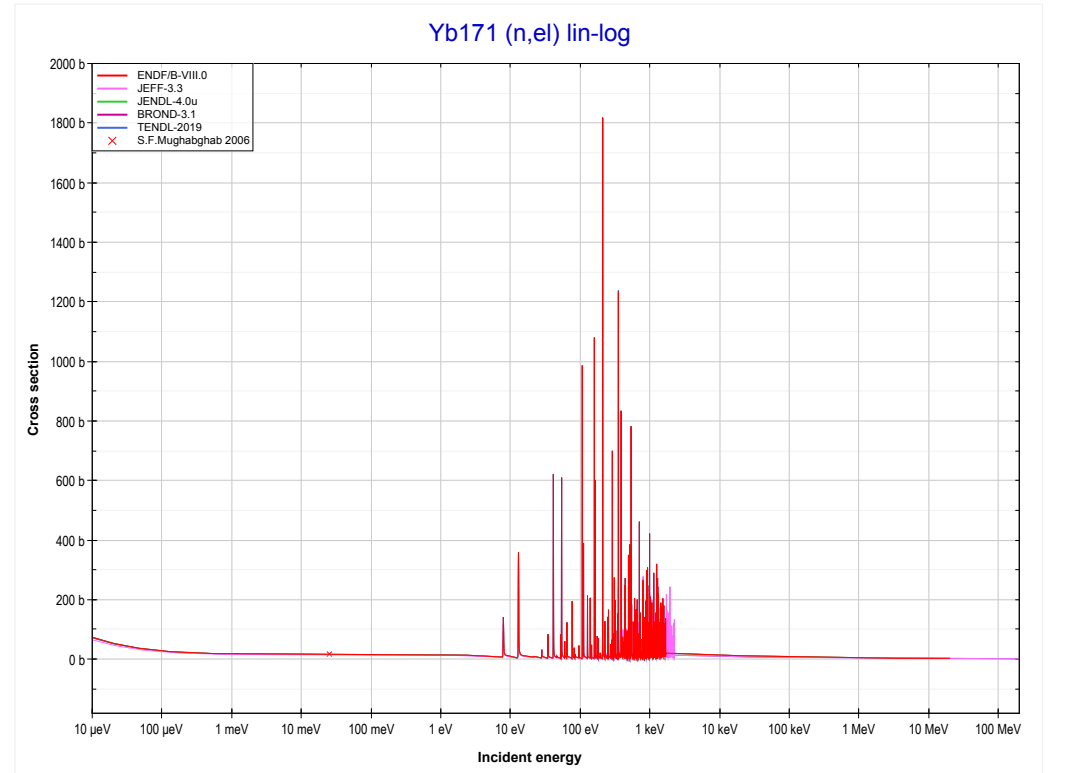
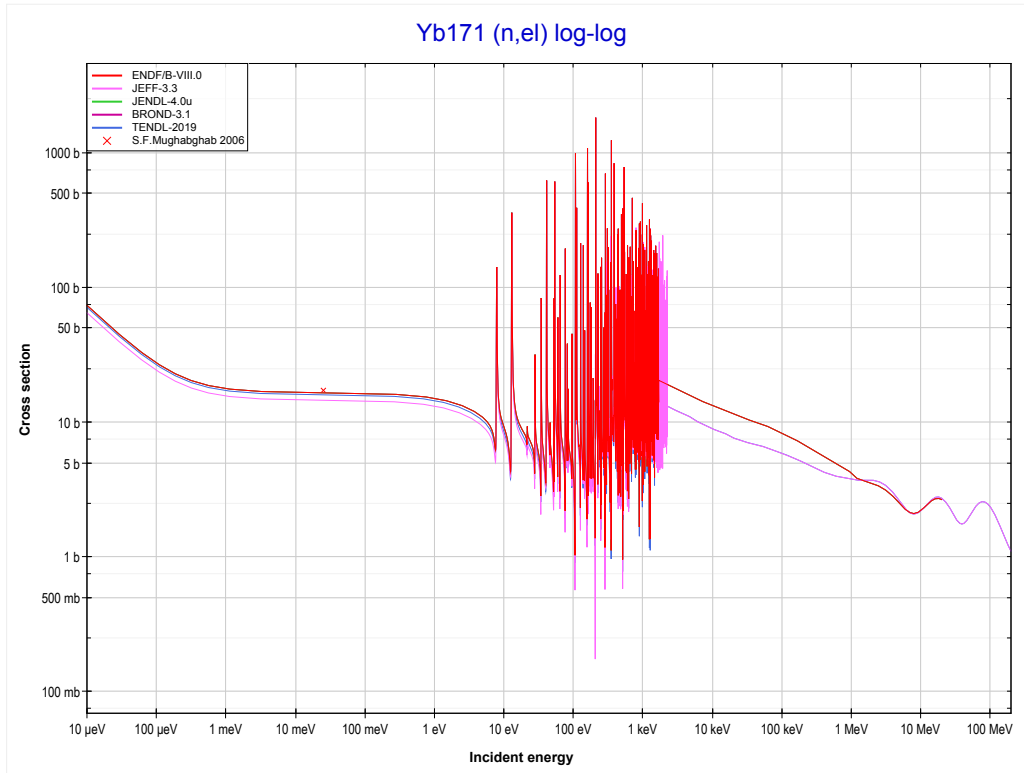
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33553E-5 b | 0.002372 b |
| JEFF-3.3 | 9.91782E-6 b | 9.91782E-6 b | 9.921E-6 b | 1.00032 | 5.86094E-5 b | 7.86373E-6 b | 0.00314253 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.33553E-5 b | 0.002372 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.33553E-5 b | 0.002372 b |
| TENDL-2019 | 9.96963E-6 b | 9.96963E-6 b | 9.9682E-6 b | 0.99986 | 5.92298E-6 b | 5.10963E-6 b | 0.00382673 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 70-Yb-170 | 70-Yb-171 | 70-Yb-172 >> |
| << 70-Yb-170 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



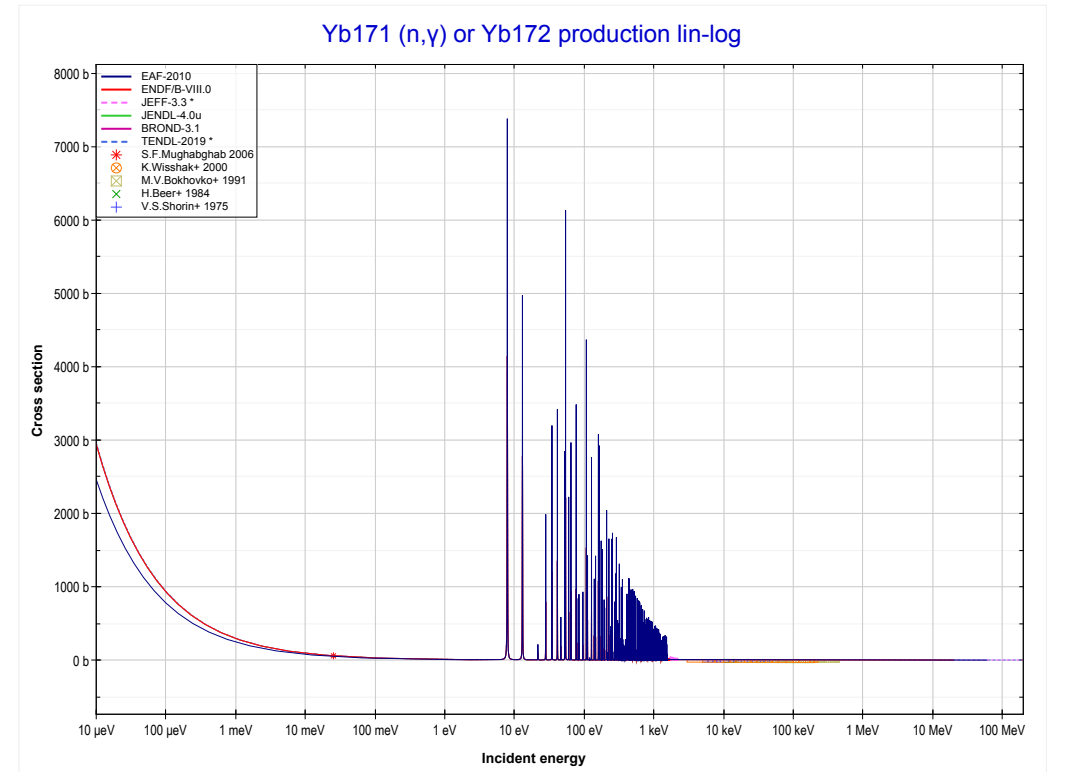
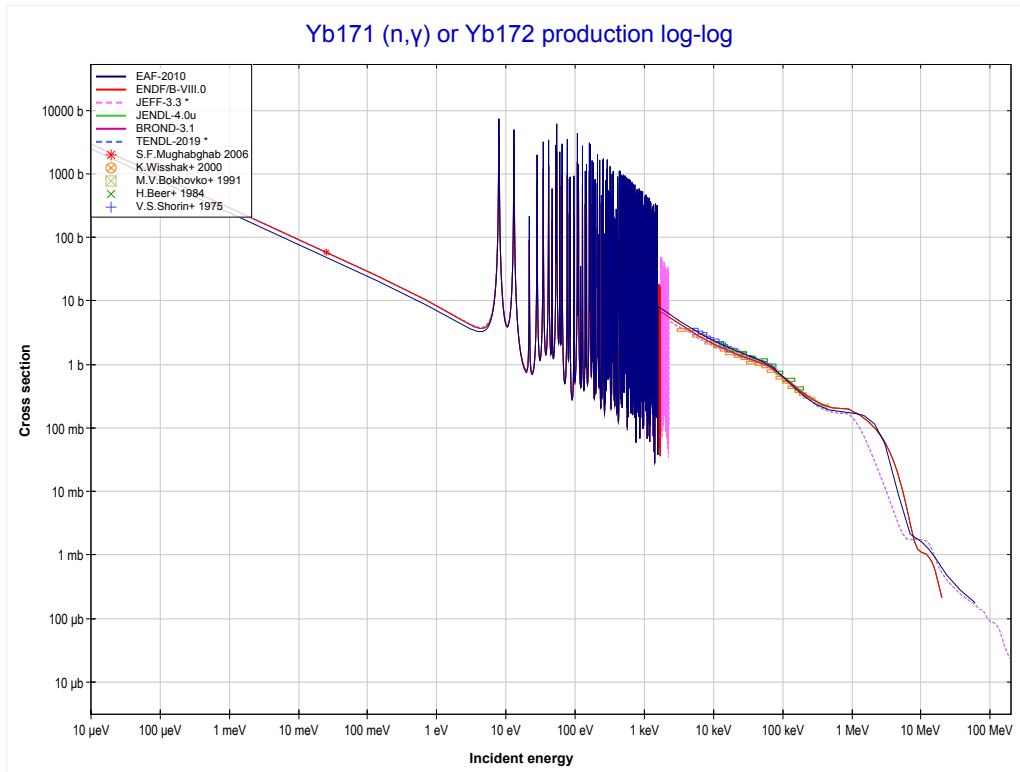
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 74.8165 b | 74.8165 b | 76.827 b | 1.02687 | 545.288 b | 7.06524 b | 5.30248 b |
| JEFF-3.3 | 72.8544 b | 72.8544 b | 74.611 b | 1.02411 | 518.394 b | 6.98699 b | 5.272 b |
| JENDL-4.0u | 74.8165 b | 74.8165 b | 76.827 b | 1.02687 | 545.288 b | 7.06524 b | 5.30249 b |
| BROND-3.1 | 74.8165 b | 74.8165 b | 76.827 b | 1.02687 | 545.288 b | 7.06524 b | 5.30249 b |
| TENDL-2019 | 74.7678 b | 74.7678 b | 76.686 b | 1.02565 | 522.139 b | 6.98665 b | 5.272 b |

| | | |
|------------------|------------------------|-------------------------|
| << 70-Yb-170 | 70-Yb-171 | 70-Yb-172 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



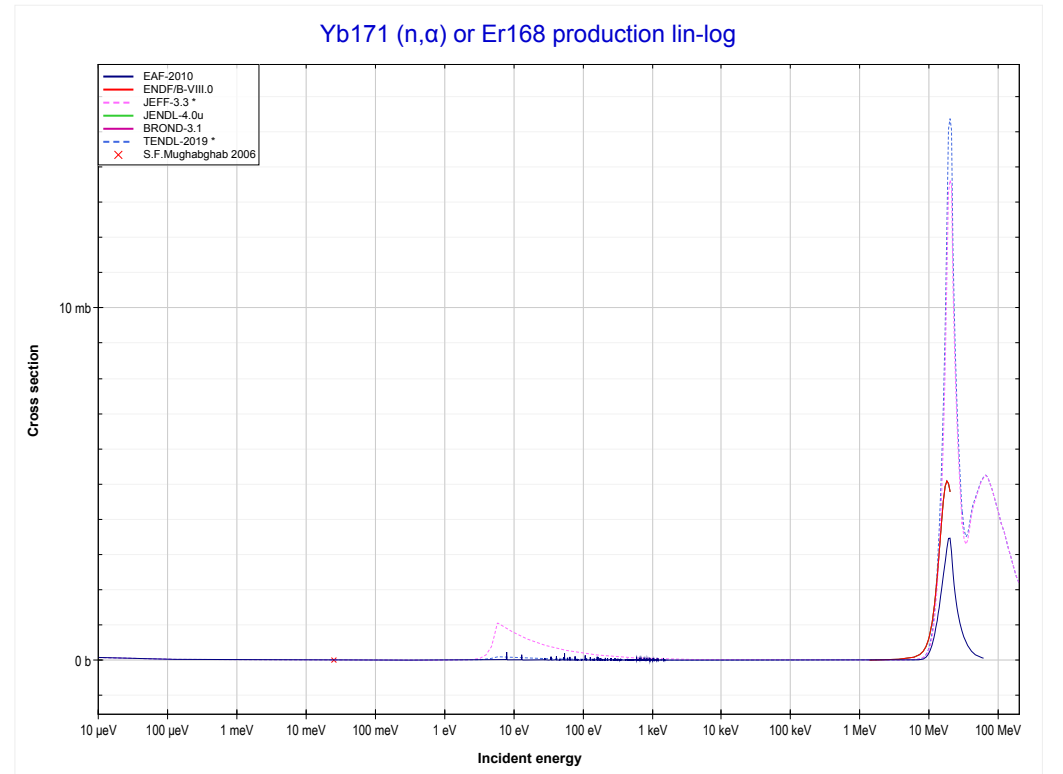
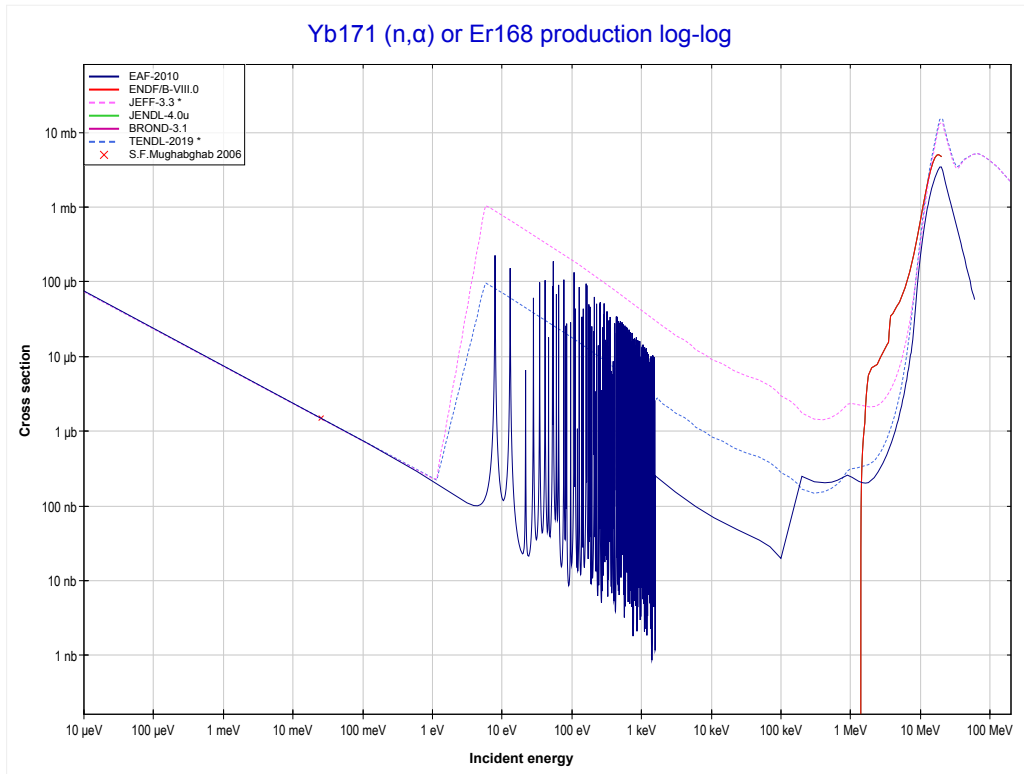
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 16.5077 b | 16.5077 b | 18.582 b | 1.12566 | 219.334 b | 4.00039 b | 2.587 b |
| JEFF-3.3 | 14.5375 b | 14.5375 b | 16.362 b | 1.12549 | 195.69 b | 3.70584 b | 2.61726 b |
| JENDL-4.0u | 16.5077 b | 16.5077 b | 18.582 b | 1.12566 | 219.334 b | 4.00039 b | 2.587 b |
| BROND-3.1 | 16.5077 b | 16.5077 b | 18.582 b | 1.12566 | 219.334 b | 4.00039 b | 2.587 b |
| TENDL-2019 | 15.9474 b | 15.9474 b | 17.95 b | 1.12559 | 196.283 b | 3.70651 b | 2.61726 b |

| | | |
|--------------------|--|-------------------------|
| << 70-Yb-170 | 70-Yb-171 | 70-Yb-172 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Yb172 production) | MT107 (n, α) >> |



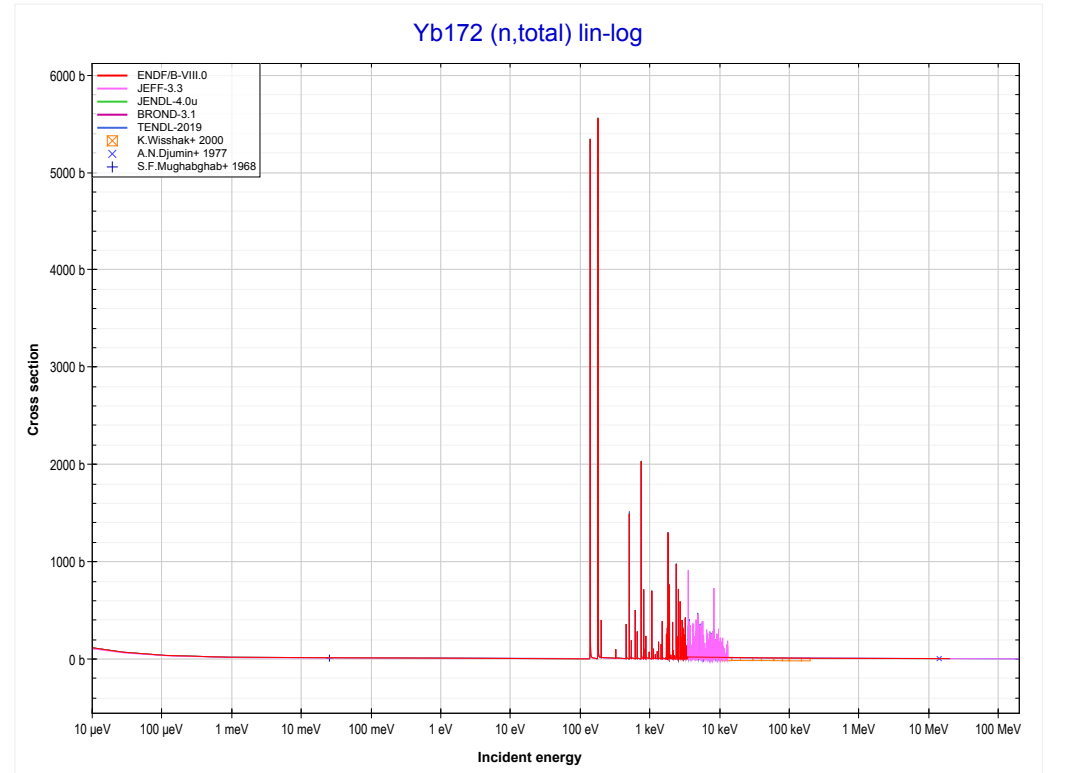
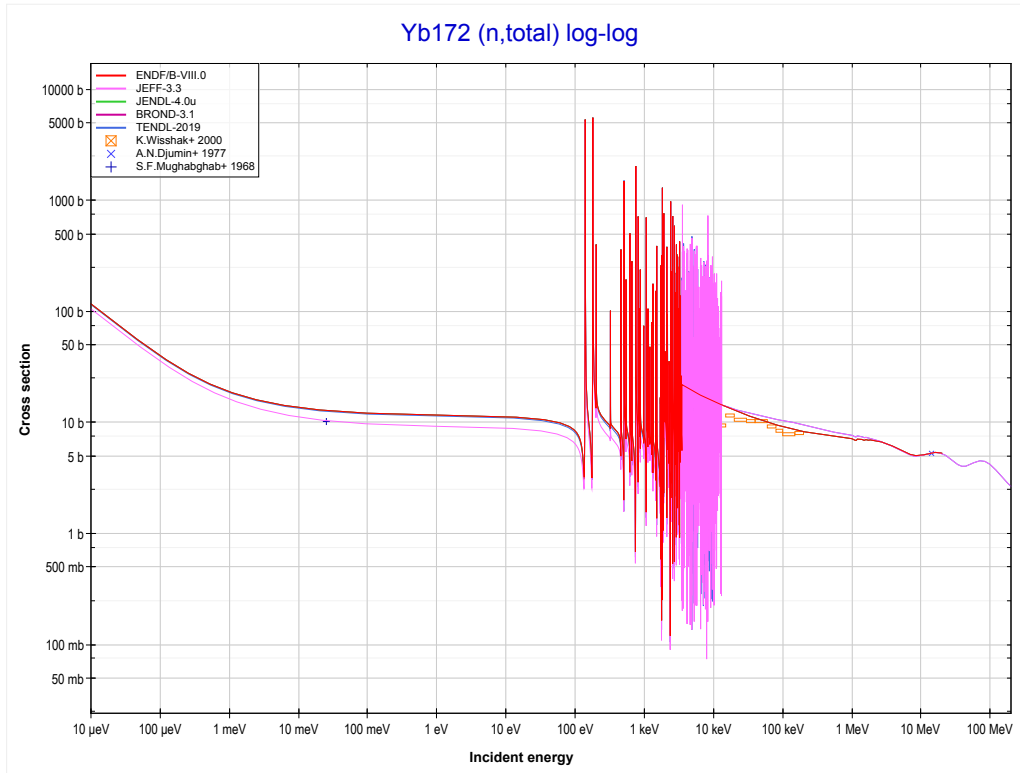
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 48.786 b | 48.7492 b | 48.679 b | 0.99856 | 322.619 b | 0.145957 b | 0.00111 b |
| ENDF/B-VIII.0 | 58.3088 b | 58.3088 b | 58.245 b | 0.99891 | 325.806 b | 0.150279 b | 8.196E-4 b |
| JEFF-3.3 | 58.3169 b | 58.3169 b | 58.249 b | 0.99883 | 322.606 b | 0.107726 b | 0.00132403 b |
| JENDL-4.0u | 58.3088 b | 58.3088 b | 58.245 b | 0.99891 | 325.806 b | 0.150279 b | 8.196E-4 b |
| BROND-3.1 | 58.3088 b | 58.3088 b | 58.245 b | 0.99891 | 325.806 b | 0.150279 b | 8.196E-4 b |
| TENDL-2019 | 58.8204 b | 58.8204 b | 58.735 b | 0.99856 | 325.749 b | 0.106289 b | 0.00132312 b |

| | | |
|-------------------------|--|----------------------------|
| << 70-Yb-170 | 70-Yb-171 | 70-Yb-172 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Er168 production) | 70-Yb-172 MT1 (n,total) >> |



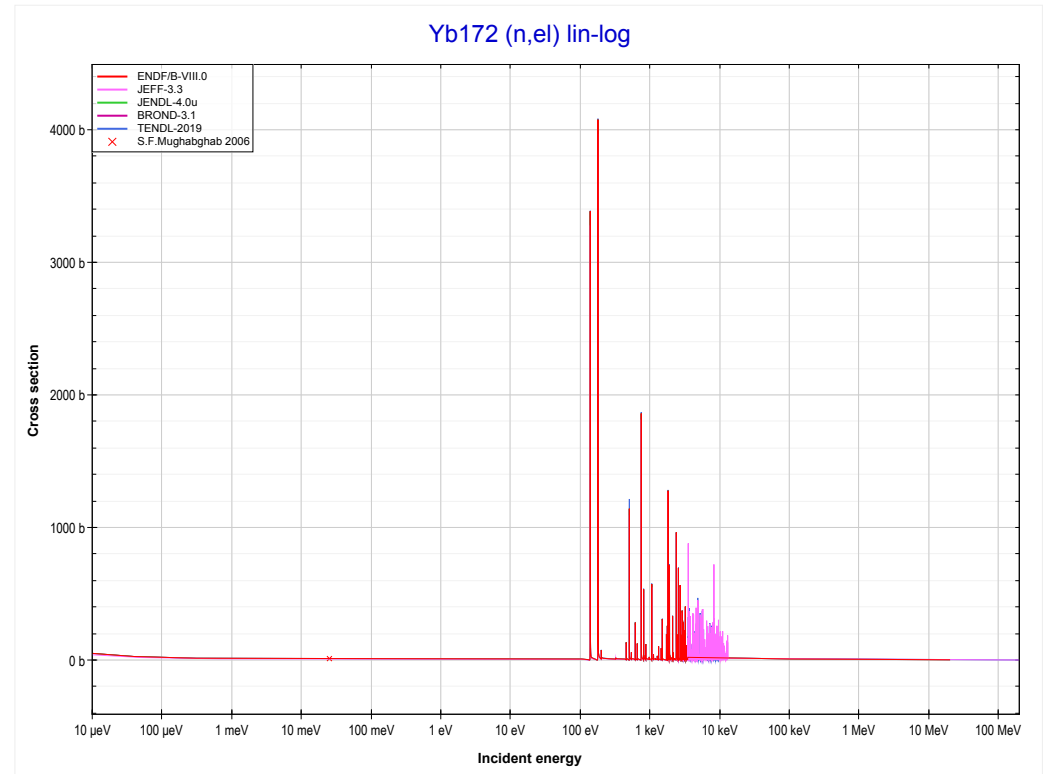
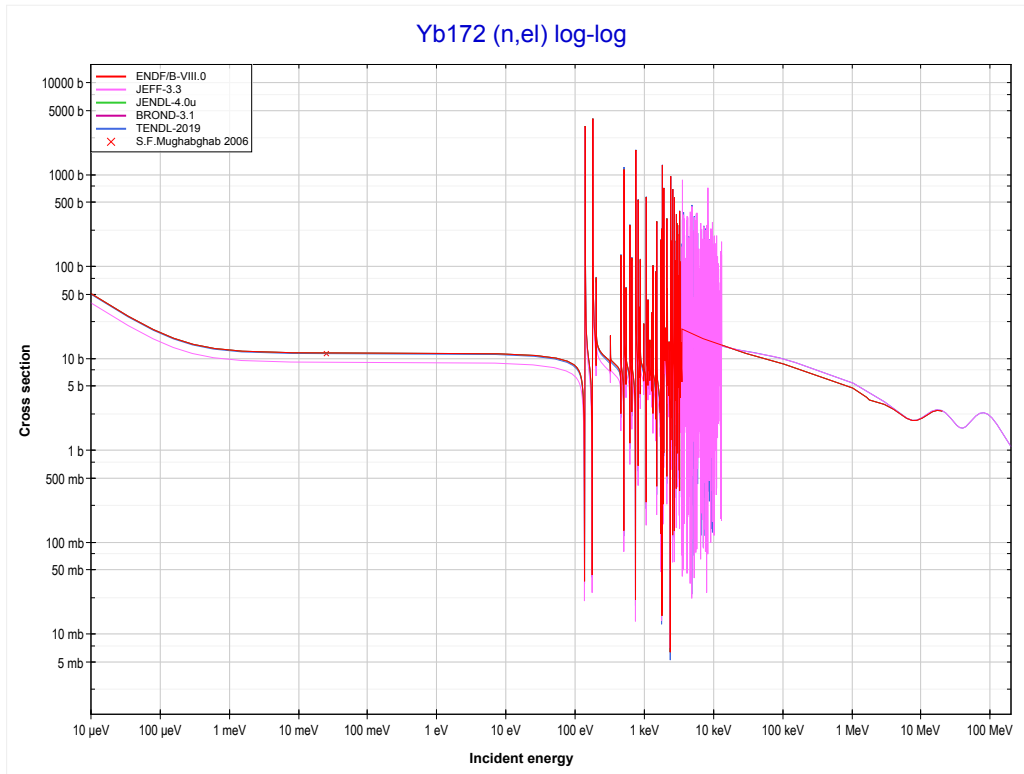
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.5E-6 b | 1.49887E-6 b | 1.4967E-6 b | 0.99856 | 9.91941E-6 b | 2.18996E-6 b | 0.00150346 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.62976E-5 b | 0.003093 b |
| JEFF-3.3 | 1.46544E-6 b | 1.46544E-6 b | 1.4659E-6 b | 1.0003 | 0.00199112 b | 6.13738E-6 b | 0.00311998 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.62976E-5 b | 0.003093 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.62976E-5 b | 0.003093 b |
| TENDL-2019 | 1.48359E-6 b | 1.48359E-6 b | 1.4834E-6 b | 0.99987 | 1.89589E-4 b | 4.5172E-6 b | 0.00377397 b |

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|-----------------------------------|----------------------|--------------------|
| << 70-Yb-171 | 70-Yb-172 | 70-Yb-173 >> |
| << 70-Yb-171 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



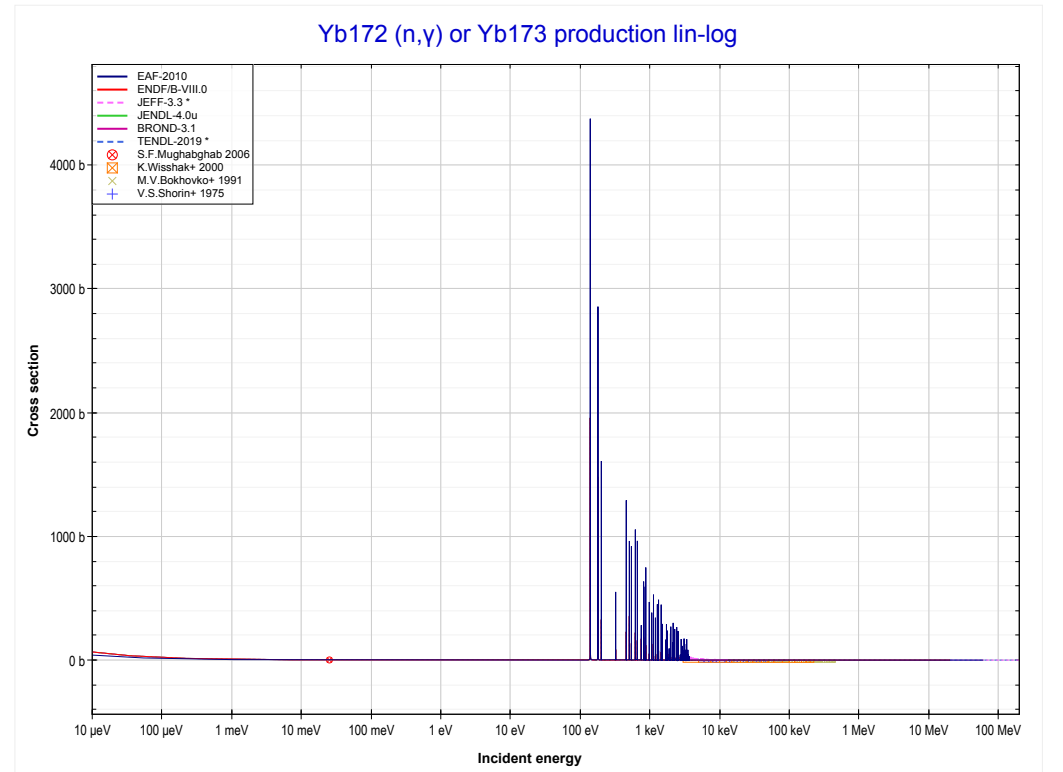
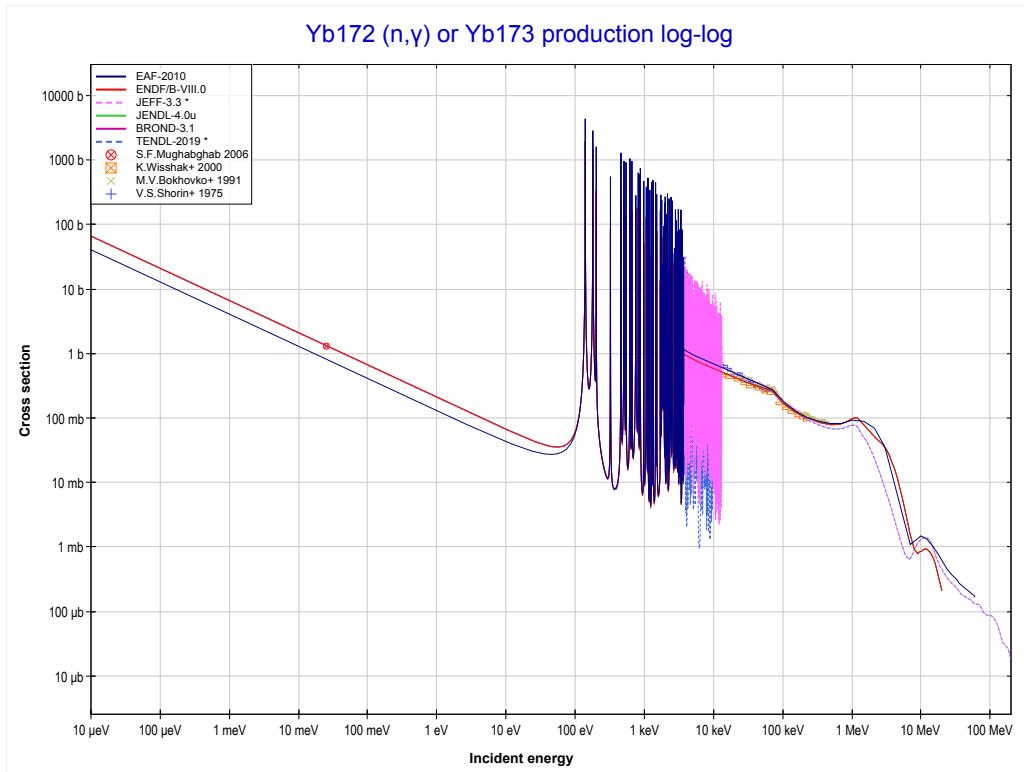
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.7989 b | 12.7989 b | 14.273 b | 1.1152 | 226.333 b | 6.95044 b | 5.31512 b |
| JEFF-3.3 | 10.3784 b | 10.3784 b | 11.544 b | 1.11234 | 214.167 b | 7.31405 b | 5.32205 b |
| JENDL-4.0u | 12.7989 b | 12.7989 b | 14.273 b | 1.1152 | 226.333 b | 6.95044 b | 5.31512 b |
| BROND-3.1 | 12.7989 b | 12.7989 b | 14.273 b | 1.1152 | 226.333 b | 6.95044 b | 5.31512 b |
| TENDL-2019 | 12.5694 b | 12.5694 b | 14.017 b | 1.11514 | 222.363 b | 7.31238 b | 5.32205 b |

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|------------------|------------------------|-------------------------|
| << 70-Yb-171 | 70-Yb-172 | 70-Yb-173 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



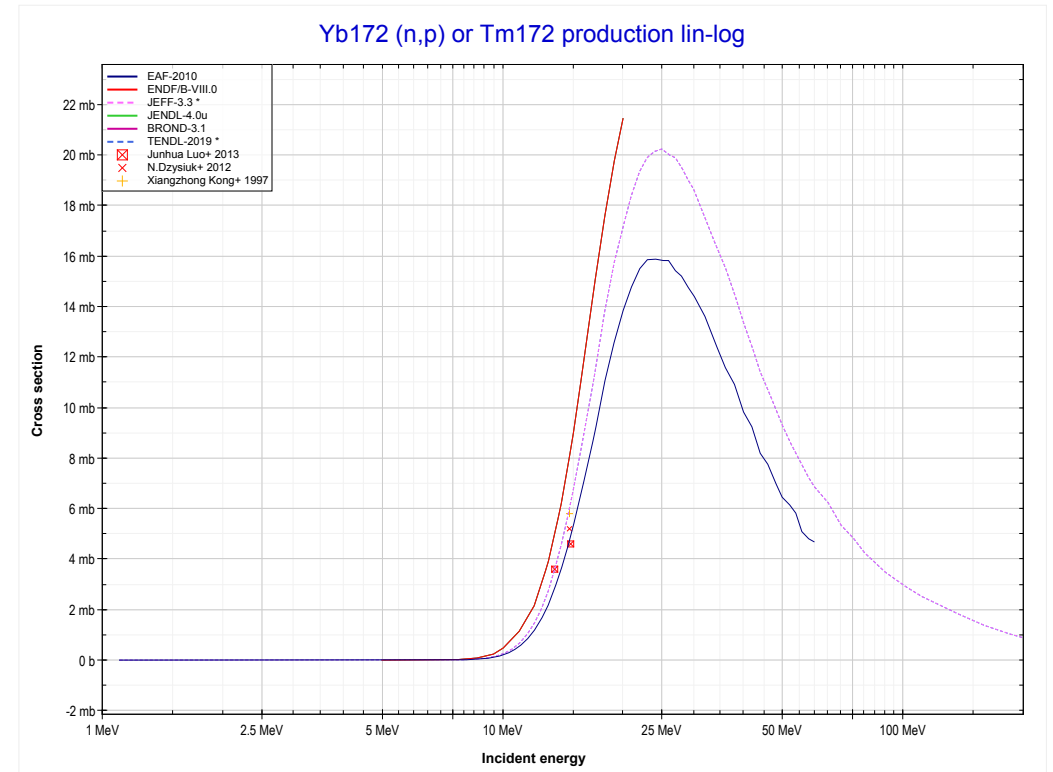
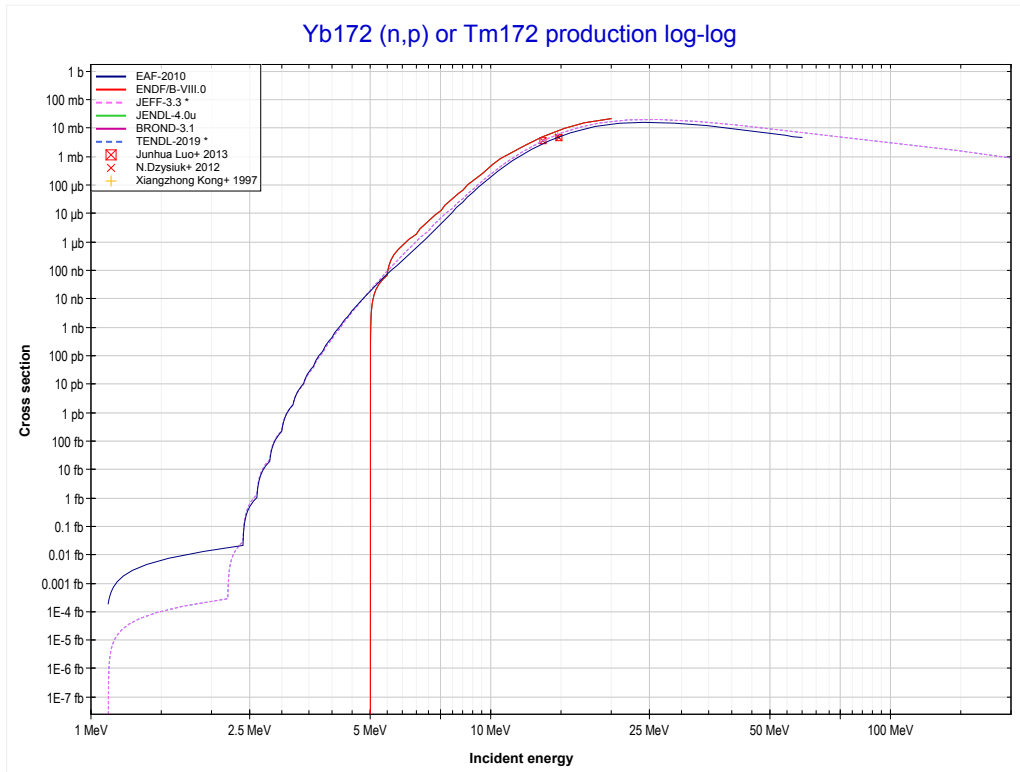
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.4862 b | 11.4862 b | 12.96 b | 1.12832 | 199.461 b | 4.25332 b | 2.59 b |
| JEFF-3.3 | 9.08345 b | 9.08345 b | 10.249 b | 1.12831 | 187.009 b | 4.76374 b | 2.6421 b |
| JENDL-4.0u | 11.4862 b | 11.4862 b | 12.96 b | 1.12832 | 199.461 b | 4.25332 b | 2.59 b |
| BROND-3.1 | 11.4862 b | 11.4862 b | 12.96 b | 1.12832 | 199.461 b | 4.25332 b | 2.59 b |
| TENDL-2019 | 11.2728 b | 11.2728 b | 12.72 b | 1.12838 | 195.942 b | 4.76204 b | 2.6421 b |

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|--------------------|--|----------------|
| << 70-Yb-171 | 70-Yb-172 | 70-Yb-173 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Yb173 production) | MT103 (n,p) >> |



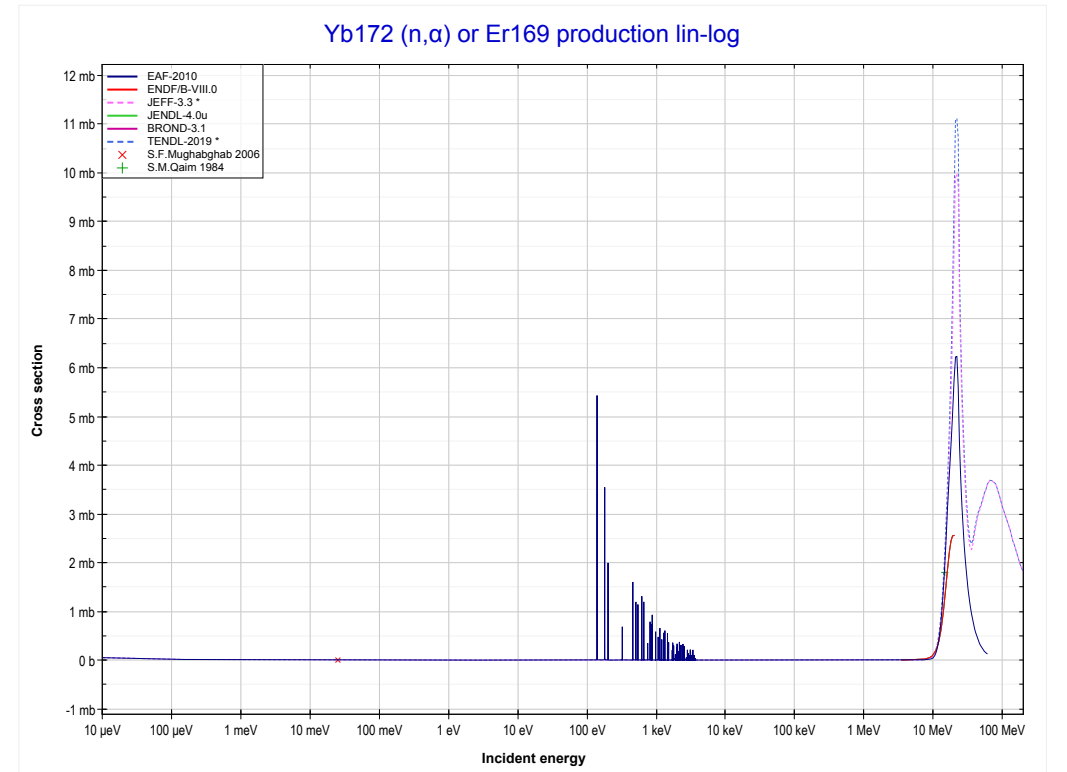
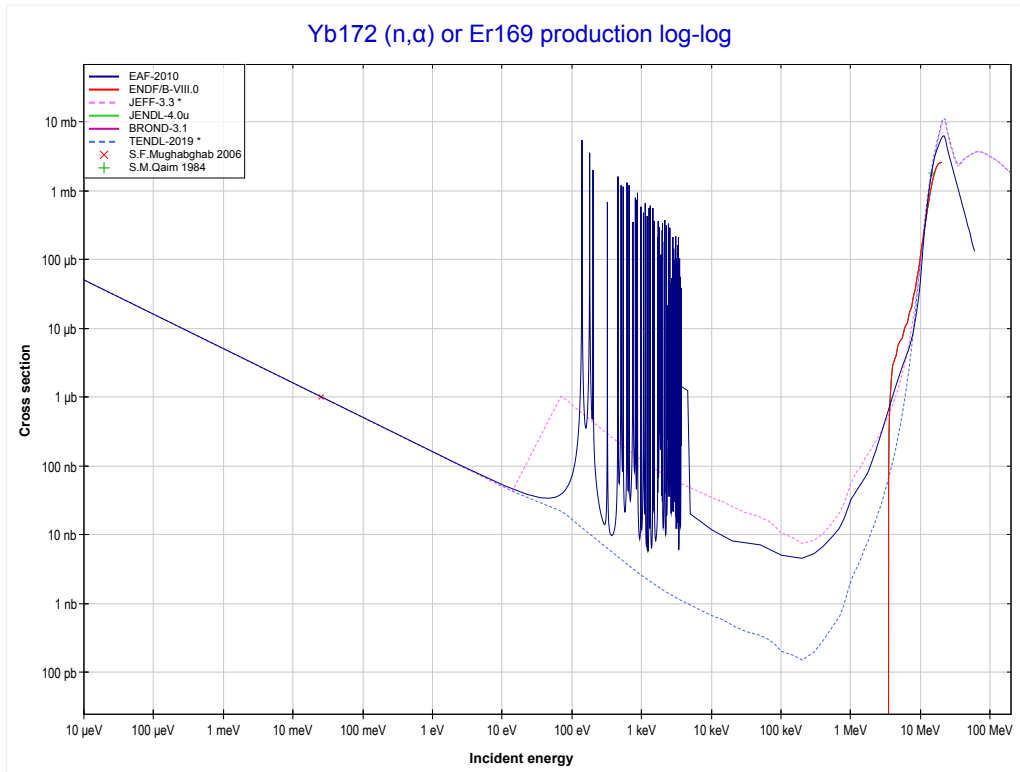
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.80566 b | 0.805055 b | 0.80511 b | 1.00006 | 26.8069 b | 0.0691414 b | 0.00111 b |
| ENDF/B-VIII.0 | 1.31272 b | 1.31272 b | 1.3133 b | 1.00043 | 26.8412 b | 0.0658471 b | 7.843E-4 b |
| JEFF-3.3 | 1.29491 b | 1.29491 b | 1.2953 b | 1.00034 | 27.117 b | 0.0479342 b | 0.00116388 b |
| JENDL-4.0u | 1.31272 b | 1.31272 b | 1.3133 b | 1.00043 | 26.8412 b | 0.0658471 b | 7.843E-4 b |
| BROND-3.1 | 1.31272 b | 1.31272 b | 1.3133 b | 1.00043 | 26.8412 b | 0.0658471 b | 7.843E-4 b |
| TENDL-2019 | 1.29657 b | 1.29657 b | 1.2967 b | 1.00006 | 26.36 b | 0.0470335 b | 0.00116333 b |

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|-------------------------|--|-------------------------|
| << 68-Er-170 | 70-Yb-172 | 70-Yb-173 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tm172 production) | MT107 (n, α) >> |



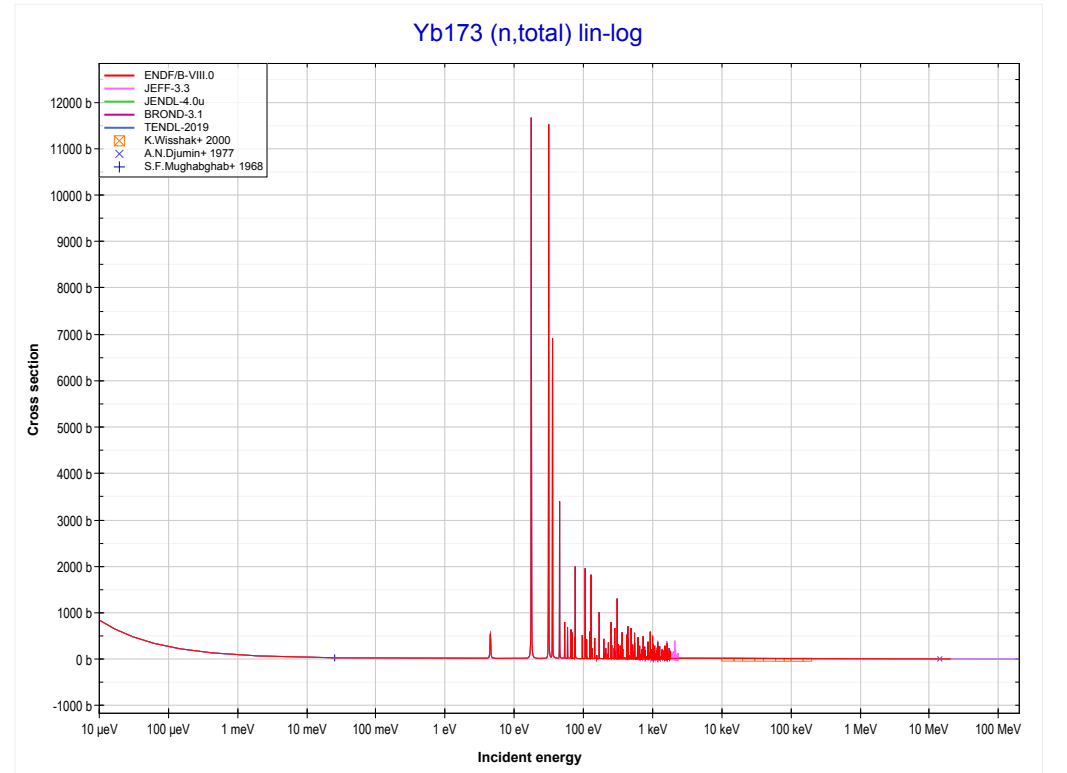
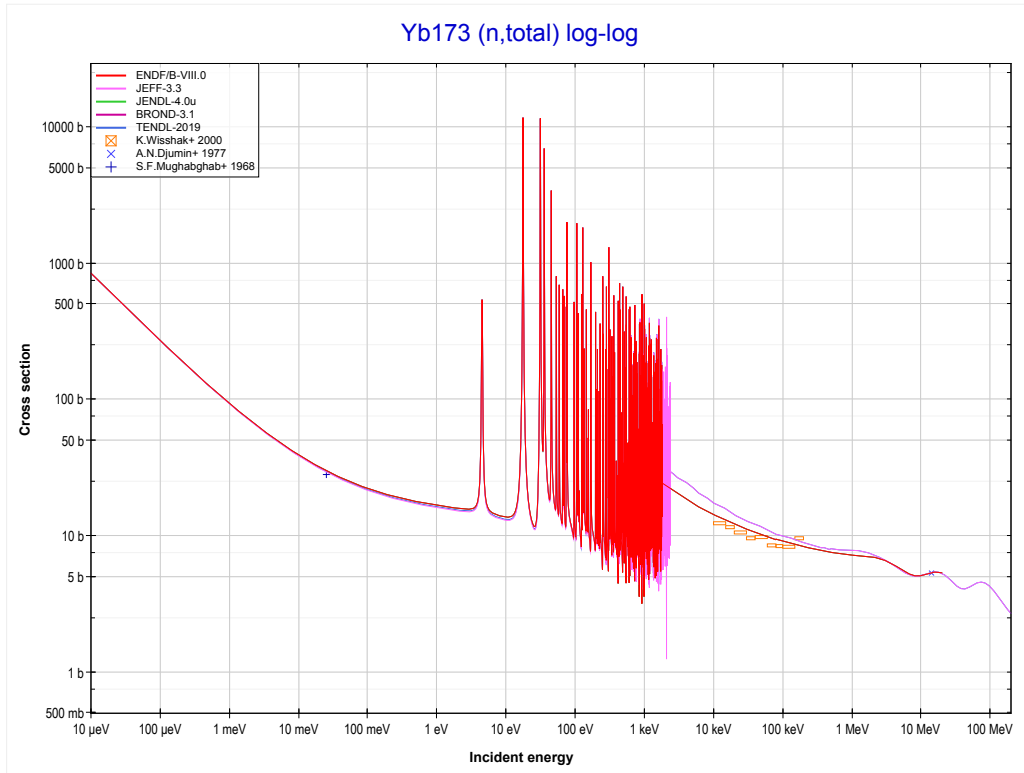
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.50129E-6 b | 0.00357778 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.93285E-6 b | 0.006143 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14625E-6 b | 0.00453049 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.93285E-6 b | 0.006143 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.93285E-6 b | 0.006143 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14695E-6 b | 0.00453125 b |

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|----------------|--|----------------------------|
| << 70-Yb-171 | 70-Yb-172 | 70-Yb-173 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Er169 production) | 70-Yb-173 MT1 (n,total) >> |



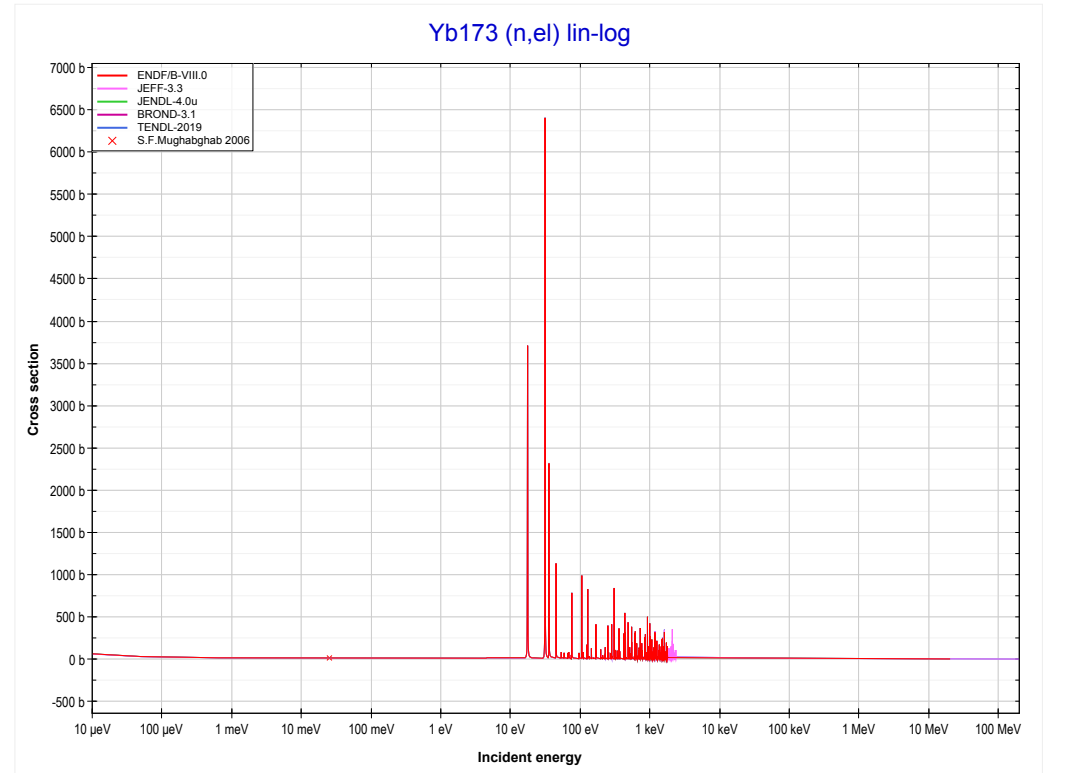
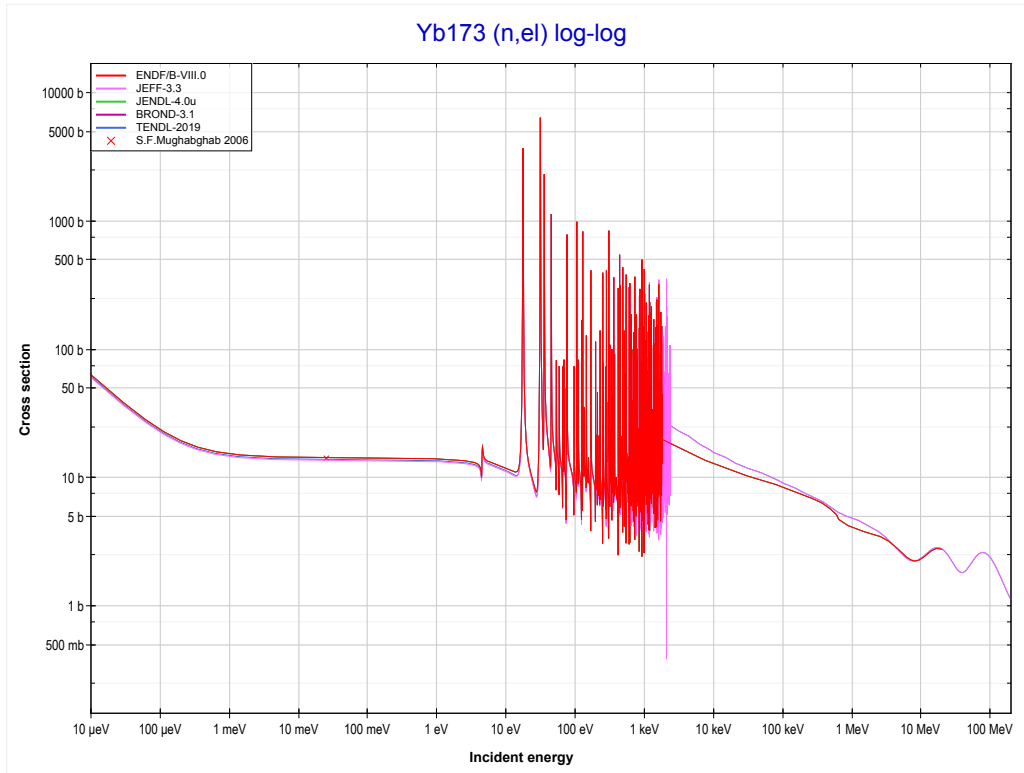
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-6 b | 9.99249E-7 b | 9.9931E-7 b | 1.00006 | 3.13346E-5 b | 1.28135E-6 b | 0.00144357 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.83068E-6 b | 9.772E-4 b |
| JEFF-3.3 | 9.98744E-7 b | 9.98744E-7 b | 9.9876E-7 b | 1.00002 | 2.1876E-6 b | 1.44856E-6 b | 0.0013792 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.83068E-6 b | 9.772E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.83068E-6 b | 9.772E-4 b |
| TENDL-2019 | 1.00143E-6 b | 1.00143E-6 b | 1.001E-6 b | 0.99954 | 4.4372E-7 b | 1.25514E-6 b | 0.00164821 b |

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|-----------------------------------|----------------------|--------------------|
| << 70-Yb-172 | 70-Yb-173 | 70-Yb-174 >> |
| << 70-Yb-172 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



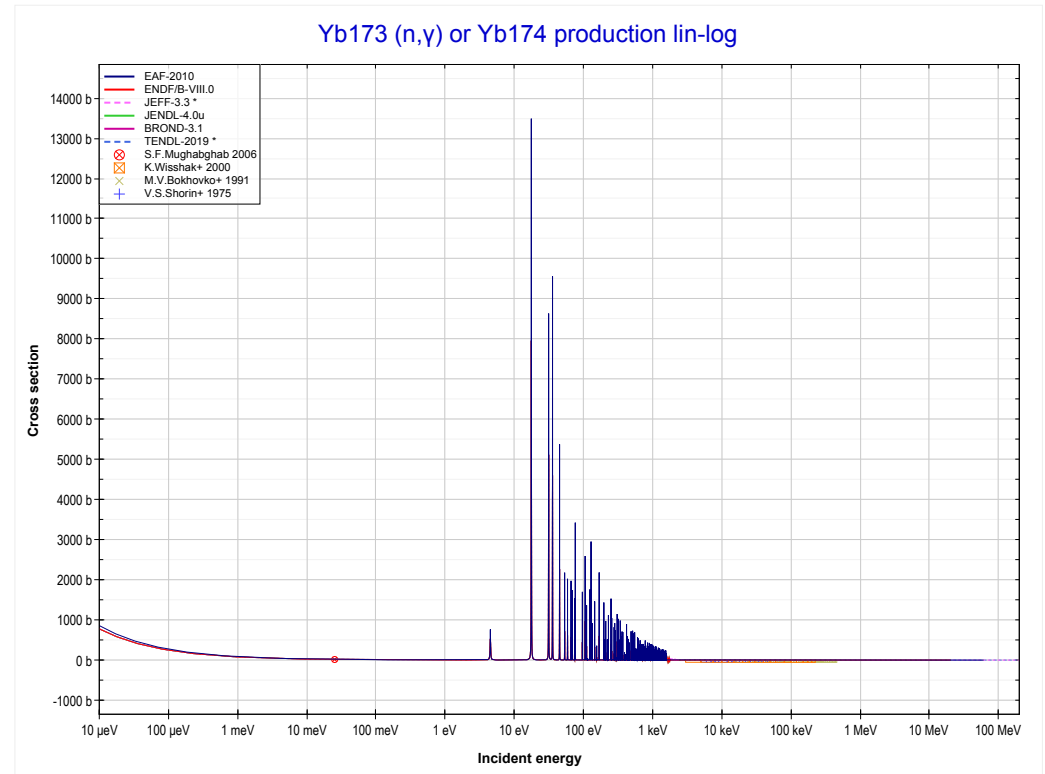
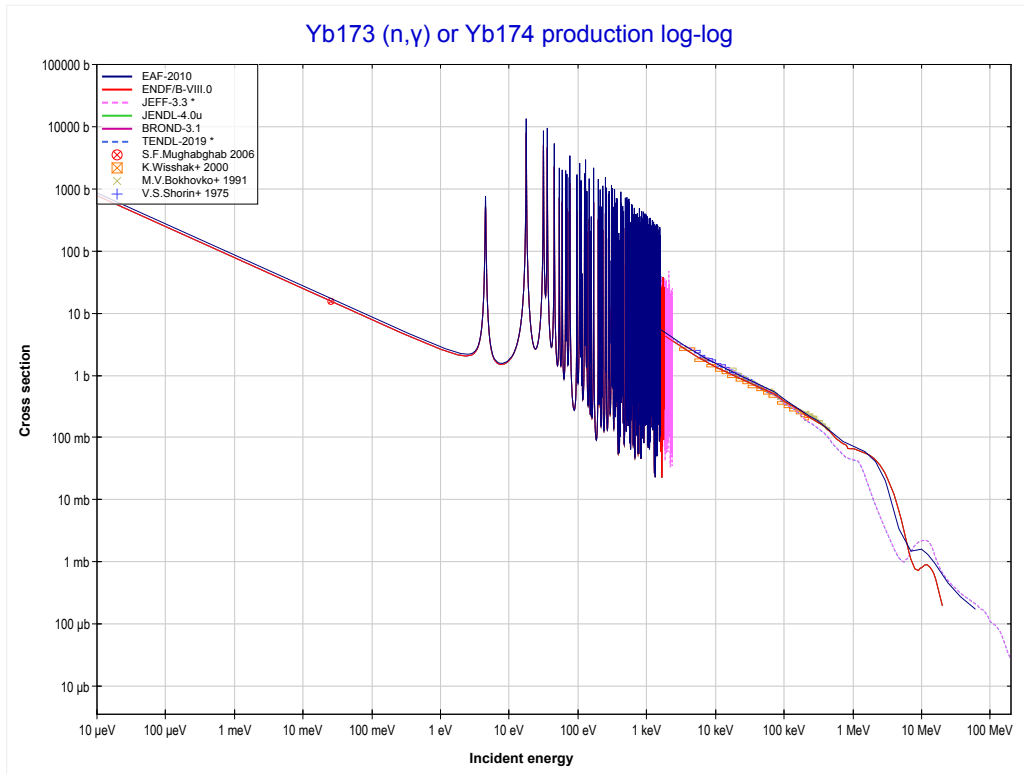
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.8284 b | 29.8284 b | 31.678 b | 1.062 | 763.329 b | 6.97971 b | 5.3263 b |
| JEFF-3.3 | 29.1391 b | 29.1391 b | 30.899 b | 1.06038 | 770.686 b | 7.33186 b | 5.35214 b |
| JENDL-4.0u | 29.8284 b | 29.8284 b | 31.678 b | 1.062 | 763.329 b | 6.97971 b | 5.3263 b |
| BROND-3.1 | 29.8284 b | 29.8284 b | 31.678 b | 1.062 | 763.329 b | 6.97971 b | 5.3263 b |
| TENDL-2019 | 29.3754 b | 29.3754 b | 31.163 b | 1.06084 | 774.797 b | 7.3336 b | 5.35214 b |

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|------------------|------------------------|-------------------------|
| << 70-Yb-172 | 70-Yb-173 | 70-Yb-174 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



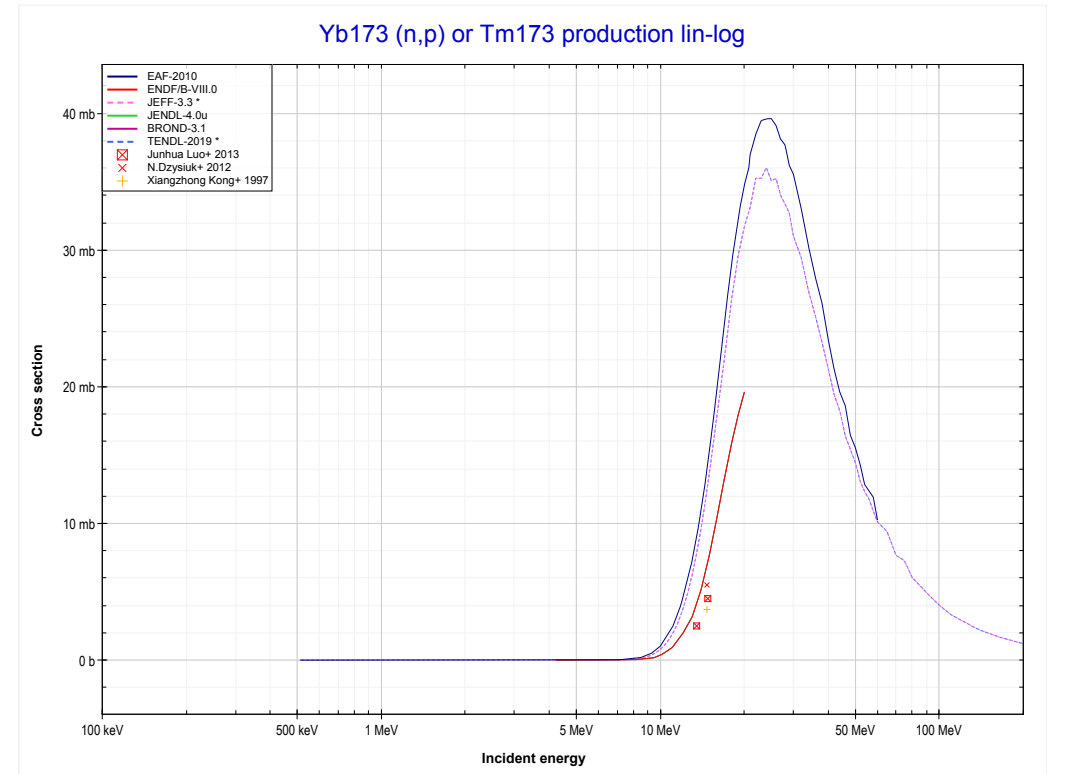
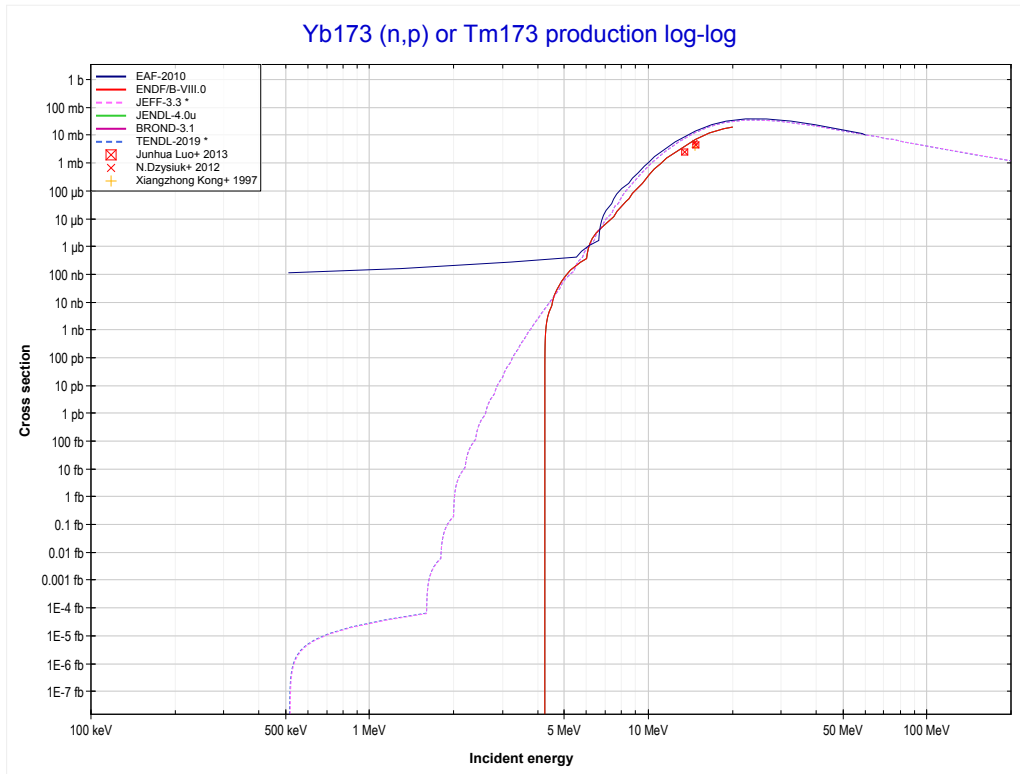
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.3286 b | 14.3286 b | 16.16 b | 1.12784 | 379.066 b | 4.14549 b | 2.69 b |
| JEFF-3.3 | 13.6339 b | 13.6339 b | 15.377 b | 1.12782 | 384.982 b | 4.53123 b | 2.74622 b |
| JENDL-4.0u | 14.3286 b | 14.3286 b | 16.16 b | 1.12784 | 379.066 b | 4.14549 b | 2.69 b |
| BROND-3.1 | 14.3286 b | 14.3286 b | 16.16 b | 1.12784 | 379.066 b | 4.14549 b | 2.69 b |
| TENDL-2019 | 13.8792 b | 13.8792 b | 15.654 b | 1.1279 | 389.201 b | 4.53316 b | 2.74622 b |

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|--------------------|--|----------------|
| << 70-Yb-172 | 70-Yb-173 | 70-Yb-174 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Yb174 production) | MT103 (n,p) >> |



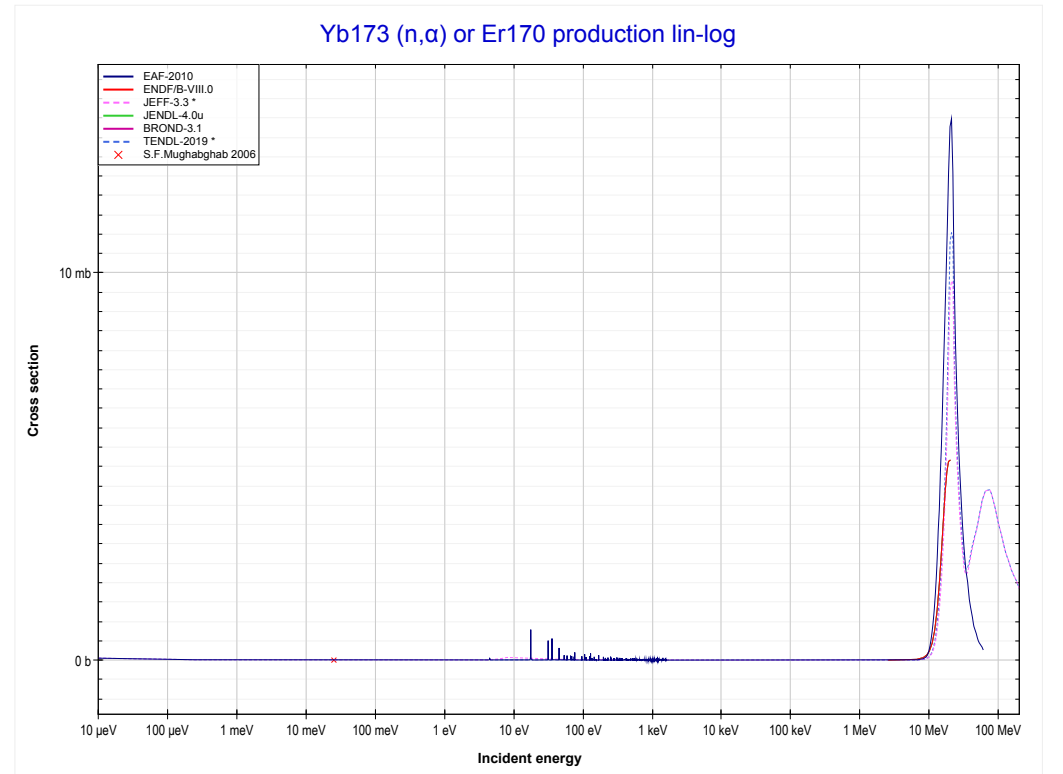
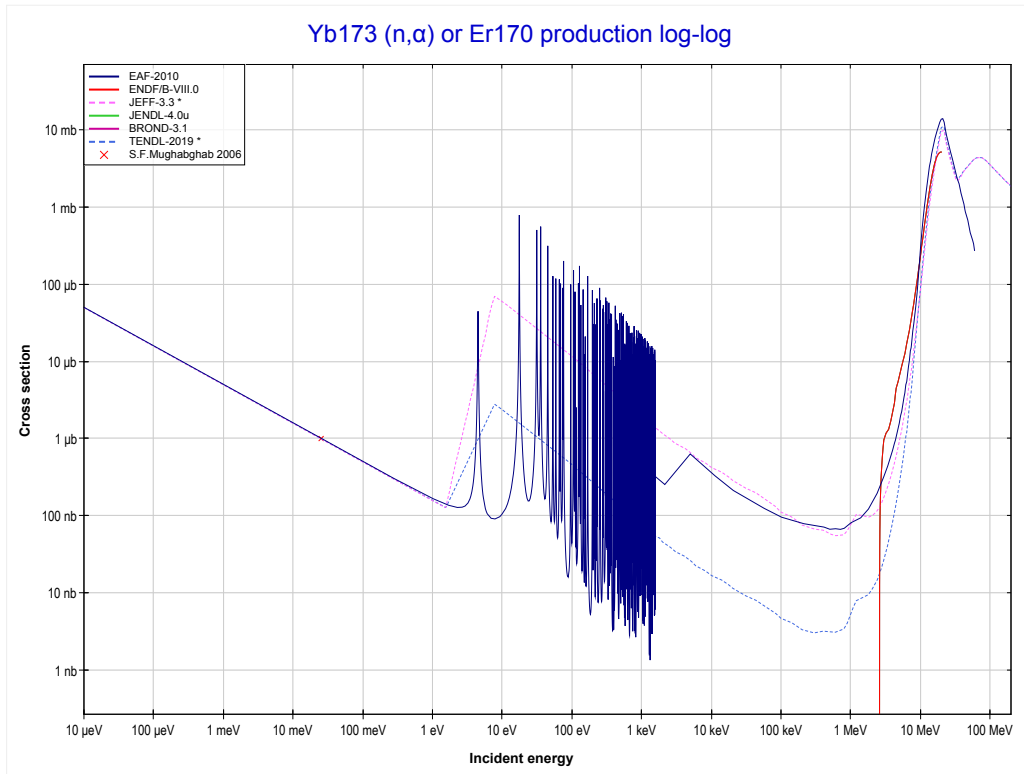
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 17.116 b | 17.1032 b | 17.113 b | 1.00056 | 378.927 b | 0.0745936 b | 0.00111 b |
| ENDF/B-VIII.0 | 15.4998 b | 15.4998 b | 15.517 b | 1.00113 | 384.214 b | 0.0723096 b | 7.586E-4 b |
| JEFF-3.3 | 15.5053 b | 15.5053 b | 15.522 b | 1.00108 | 385.644 b | 0.0485422 b | 0.00176976 b |
| JENDL-4.0u | 15.4998 b | 15.4998 b | 15.517 b | 1.00113 | 384.214 b | 0.0723096 b | 7.586E-4 b |
| BROND-3.1 | 15.4998 b | 15.4998 b | 15.517 b | 1.00113 | 384.214 b | 0.0723096 b | 7.586E-4 b |
| TENDL-2019 | 15.4962 b | 15.4962 b | 15.508 b | 1.00077 | 385.517 b | 0.0478144 b | 0.00176916 b |

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|-------------------------|--|-------------------------|
| << 70-Yb-172 | 70-Yb-173 | 70-Yb-174 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tm173 production) | MT107 (n, α) >> |



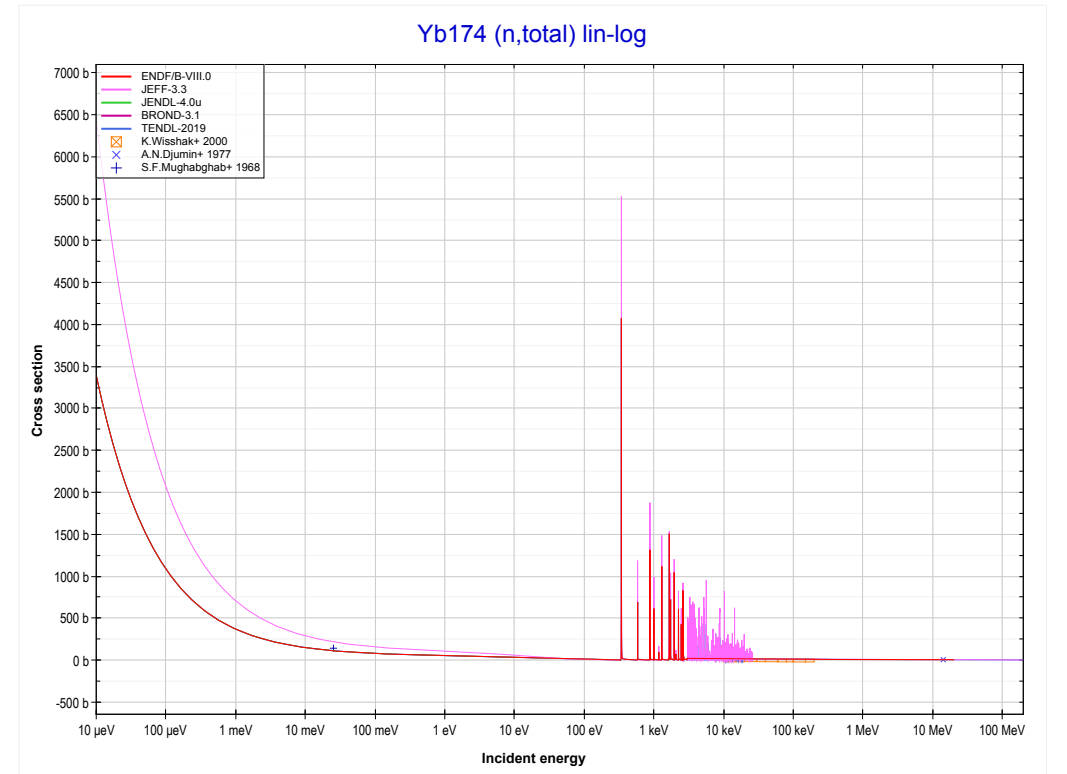
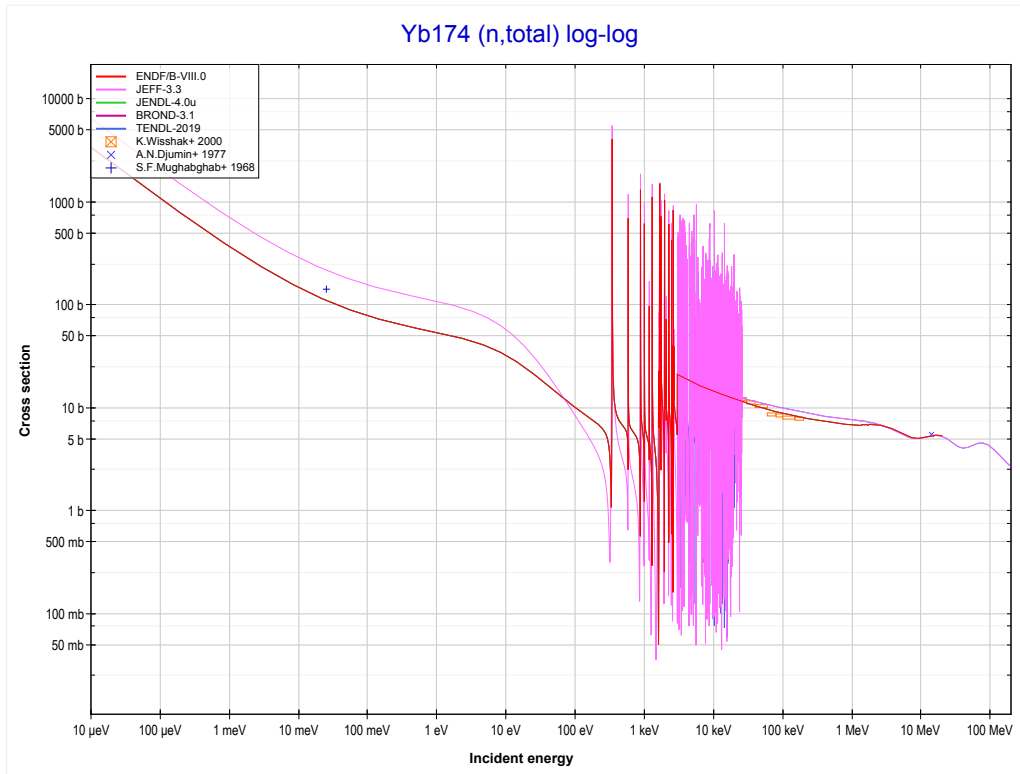
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02588E-5 b | 0.0109802 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.09699E-6 b | 0.005147 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94483E-6 b | 0.00959547 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.09699E-6 b | 0.005147 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.09699E-6 b | 0.005147 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.97248E-6 b | 0.00961503 b |

| | | |
|----------------|--|----------------------------|
| << 70-Yb-172 | 70-Yb-173 | 70-Yb-174 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Er170 production) | 70-Yb-174 MT1 (n,total) >> |



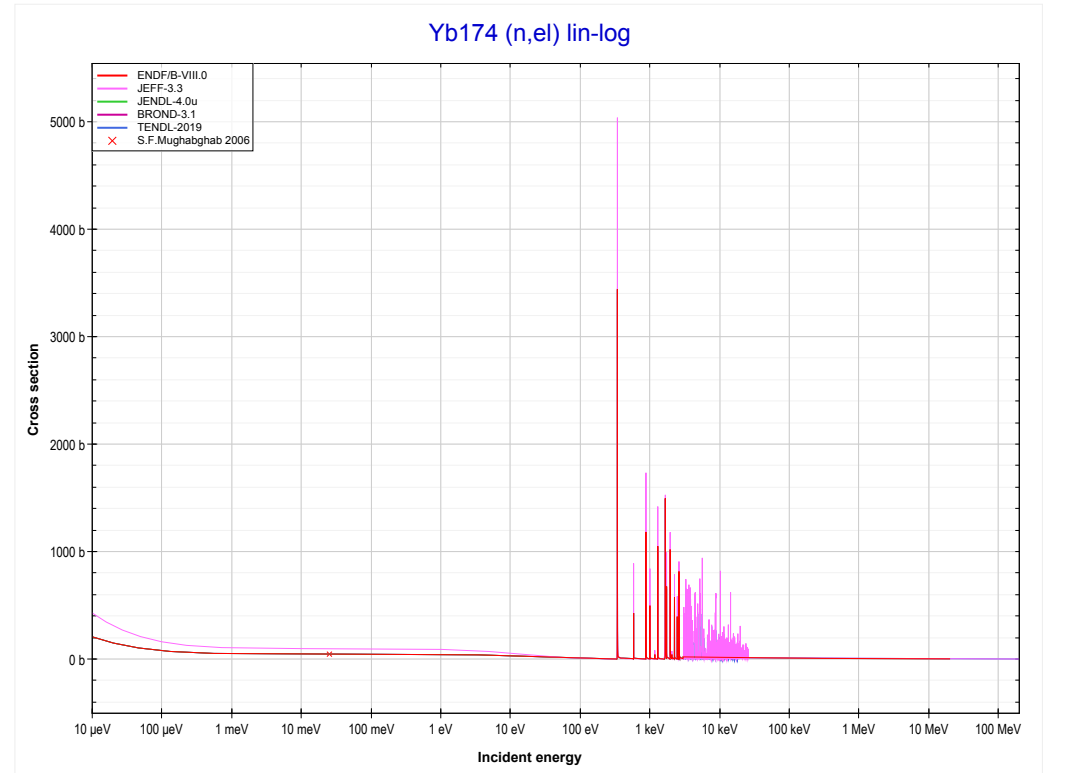
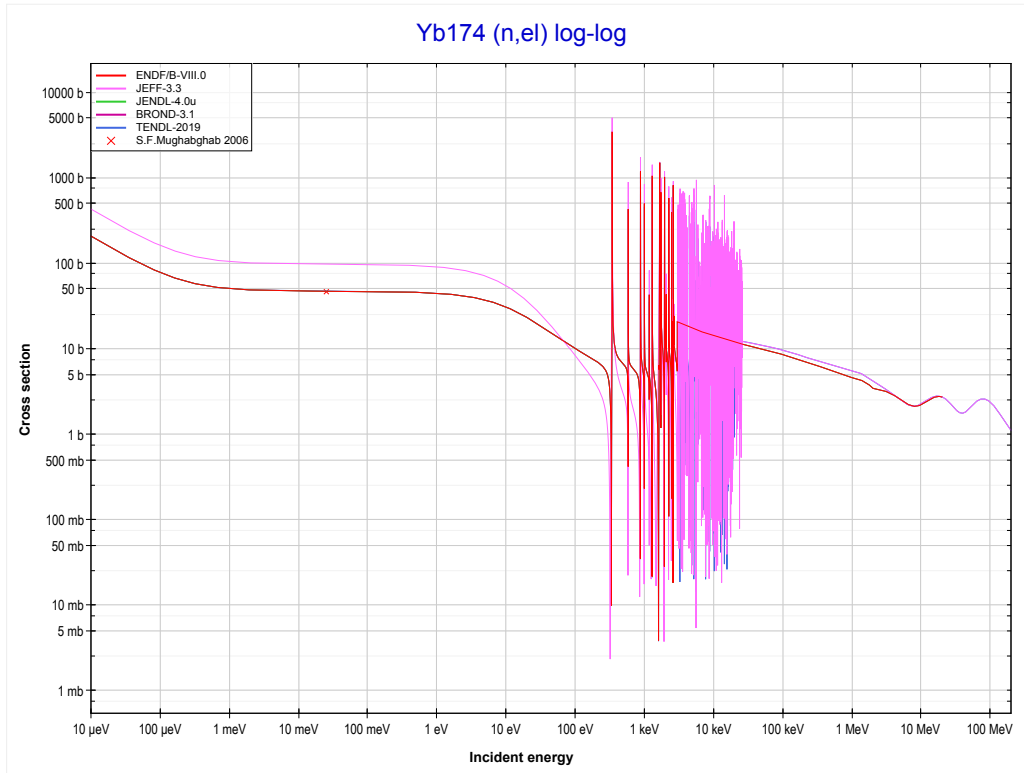
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-6 b | 9.99252E-7 b | 9.9981E-7 b | 1.00056 | 2.28976E-5 b | 3.50928E-6 b | 0.00388173 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21036E-6 b | 0.001968 b |
| JEFF-3.3 | 9.88122E-7 b | 9.88122E-7 b | 9.8842E-7 b | 1.0003 | 1.1891E-4 b | 1.26386E-6 b | 0.00127323 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.21036E-6 b | 0.001968 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21036E-6 b | 0.001968 b |
| TENDL-2019 | 9.94845E-7 b | 9.94845E-7 b | 9.9472E-7 b | 0.99988 | 5.53707E-6 b | 1.2134E-6 b | 0.0015653 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 70-Yb-173 | 70-Yb-174 | 70-Yb-176 >> |
| << 70-Yb-173 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



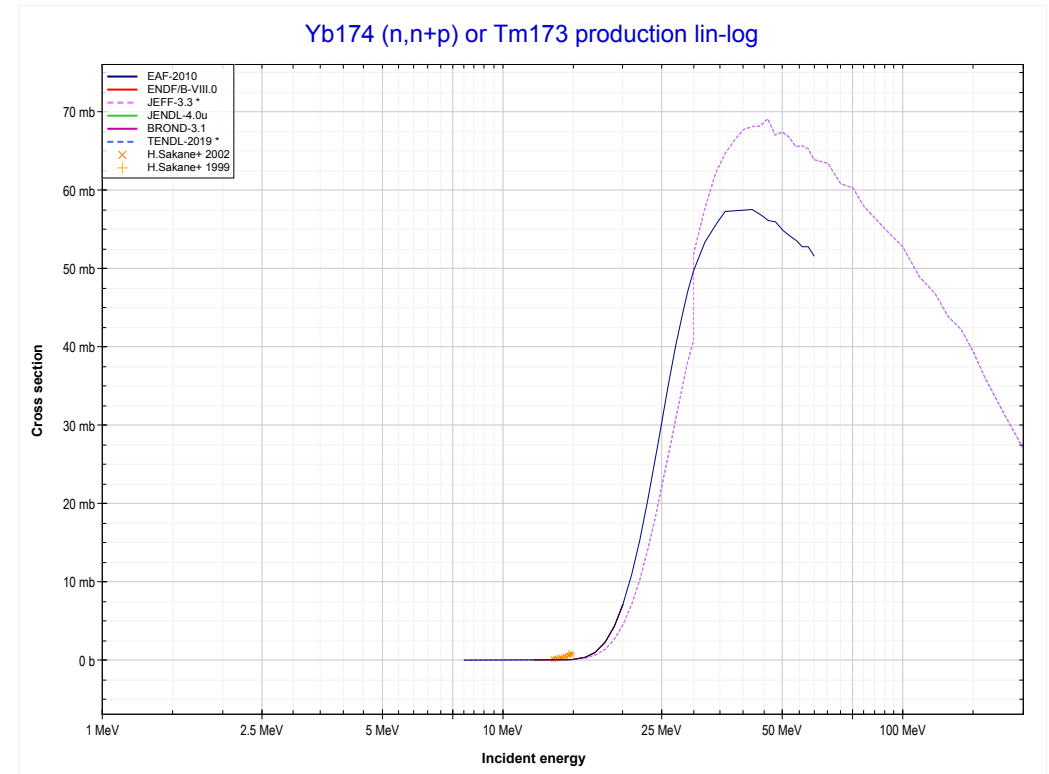
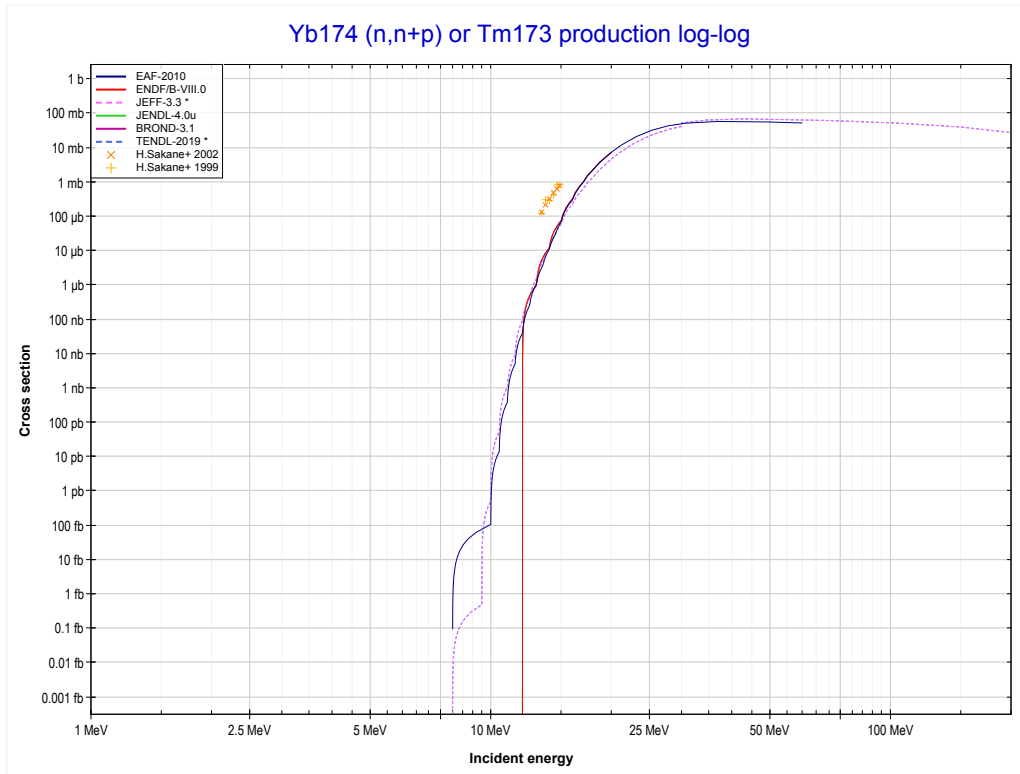
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 110.124 b | 110.124 b | 116.04 b | 1.05373 | 298.224 b | 6.81728 b | 5.32545 b |
| JEFF-3.3 | 216.674 b | 216.674 b | 228.88 b | 1.05632 | 525.421 b | 7.30061 b | 5.3578 b |
| JENDL-4.0u | 110.124 b | 110.124 b | 116.04 b | 1.05373 | 298.224 b | 6.81728 b | 5.32544 b |
| BROND-3.1 | 110.124 b | 110.124 b | 116.04 b | 1.05373 | 298.224 b | 6.81728 b | 5.32544 b |
| TENDL-2019 | 110.131 b | 110.131 b | 116.03 b | 1.05353 | 297.121 b | 7.26926 b | 5.3578 b |

| | | |
|------------------|------------------------|-----------------|
| << 70-Yb-173 | 70-Yb-174 | 70-Yb-176 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT28 (n,n+p) >> |



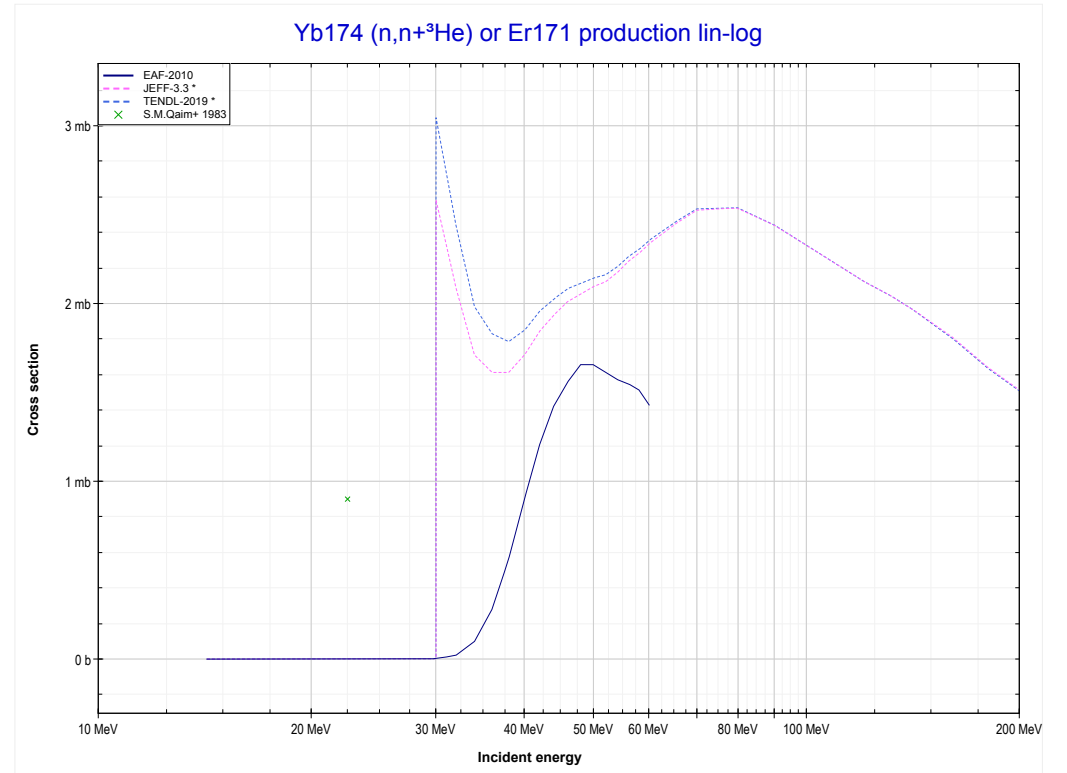
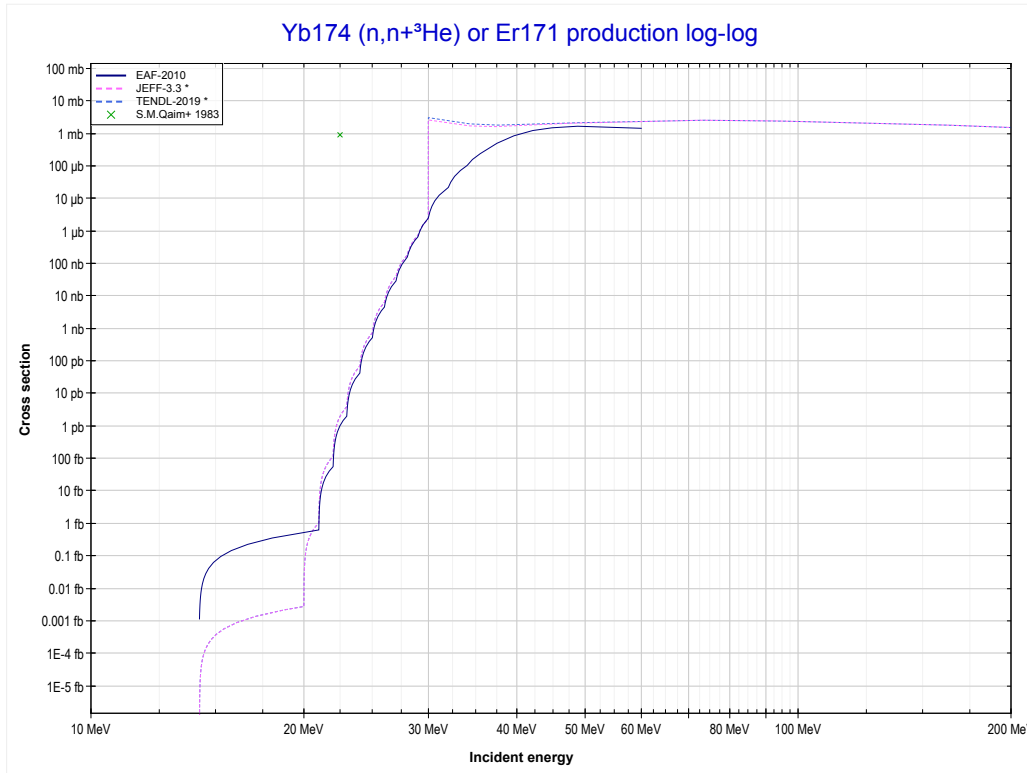
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 46.918 b | 46.918 b | 52.87 b | 1.12687 | 272.81 b | 4.20553 b | 2.603 b |
| JEFF-3.3 | 97.1331 b | 97.1331 b | 109.41 b | 1.1264 | 480.978 b | 4.85924 b | 2.6643 b |
| JENDL-4.0u | 46.918 b | 46.918 b | 52.87 b | 1.12687 | 272.81 b | 4.20553 b | 2.603 b |
| BROND-3.1 | 46.918 b | 46.918 b | 52.87 b | 1.12687 | 272.81 b | 4.20553 b | 2.603 b |
| TENDL-2019 | 46.918 b | 46.918 b | 52.874 b | 1.12694 | 271.561 b | 4.82704 b | 2.6643 b |

| | | |
|--------------------|---|--------------------------------|
| << 68-Er-170 | 70-Yb-174 | 70-Yb-176 >> |
| << MT2 (n,elastic) | MT28 (n,n+p) or MT5 (Tm173 production) | MT34 (n,n+ ³ He) >> |



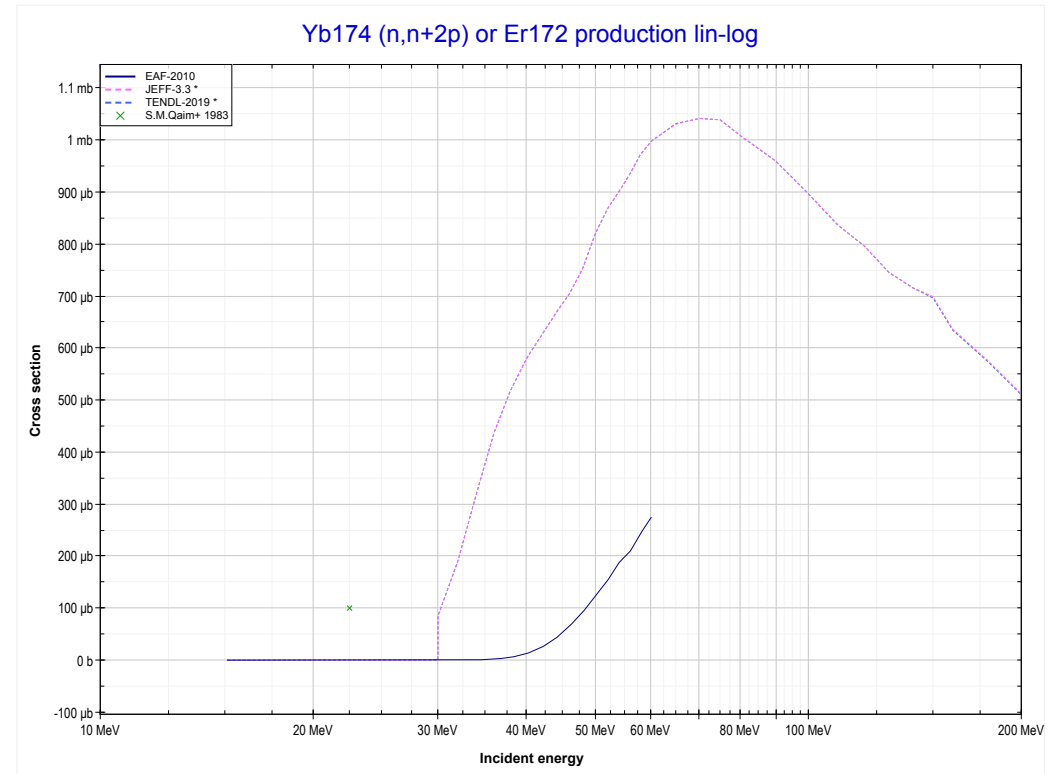
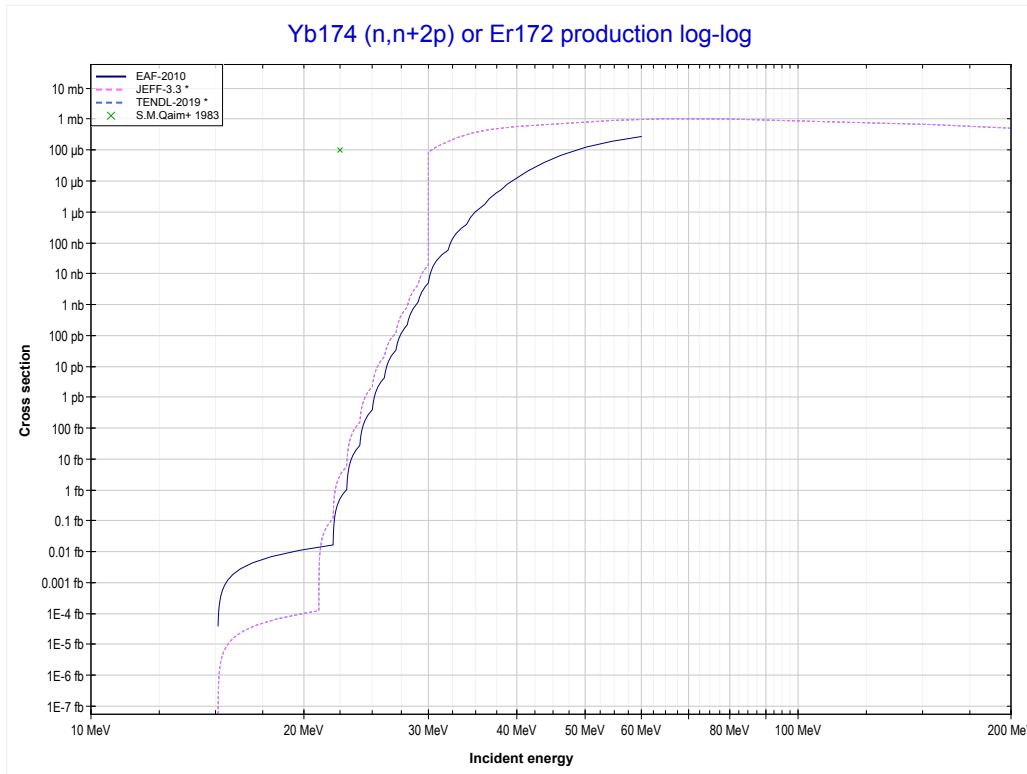
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.86172E-8 b | 1.162E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.14272E-8 b | 1.17318E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.86172E-8 b | 1.162E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.86172E-8 b | 1.162E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.15543E-8 b | 1.17934E-5 b |

| | | |
|-----------------|--|------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Er171 production) | MT44 (n,n+2p) >> |



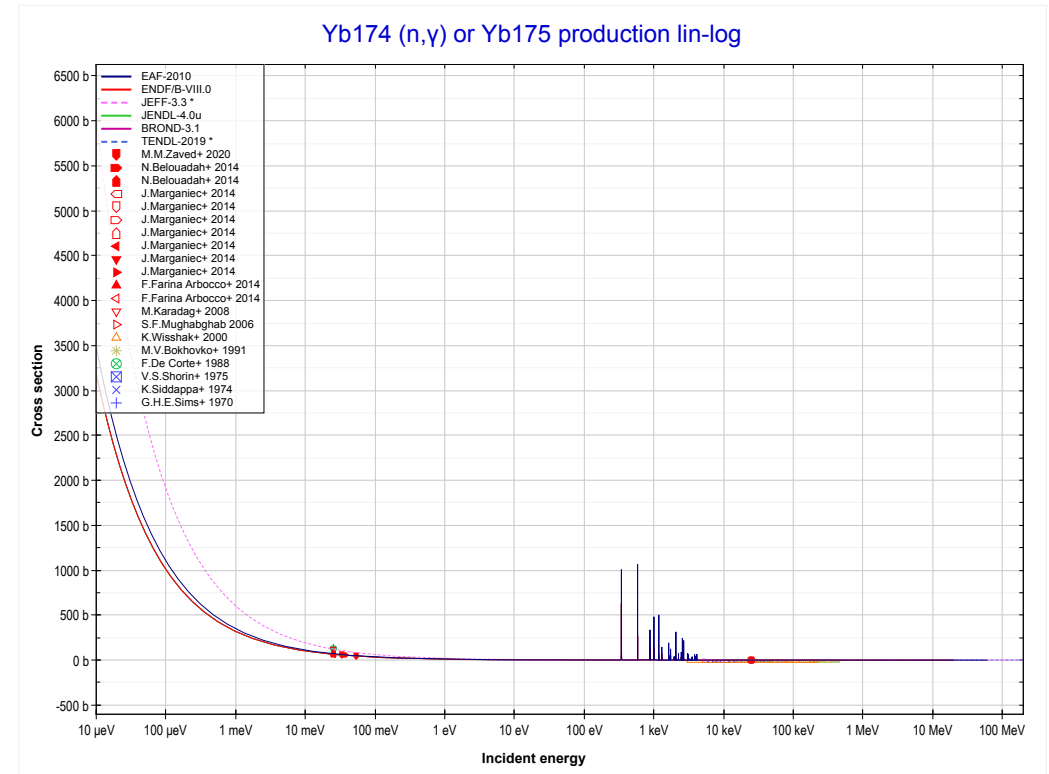
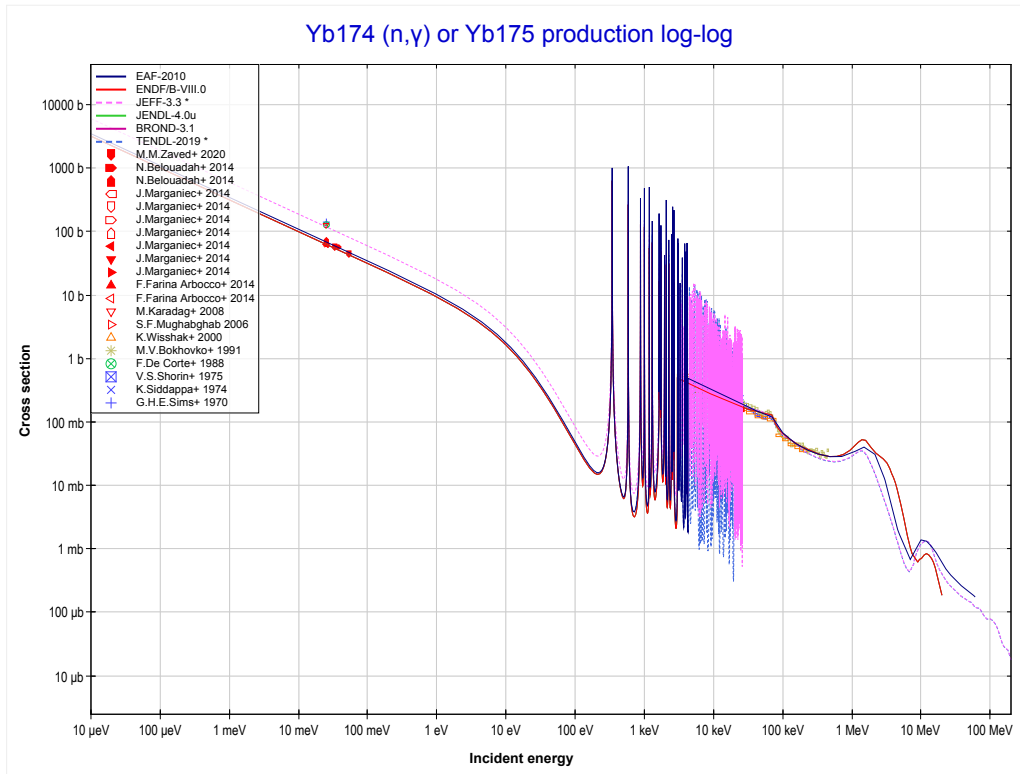
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.1614E-23 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.19352E-23 b | 0 b |

| | | |
|--------------------------------|--|-------------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT34 (n,n+ ³ He) | MT44 (n,n+2p) or MT5 (Er172 production) | MT102 (n, γ) >> |



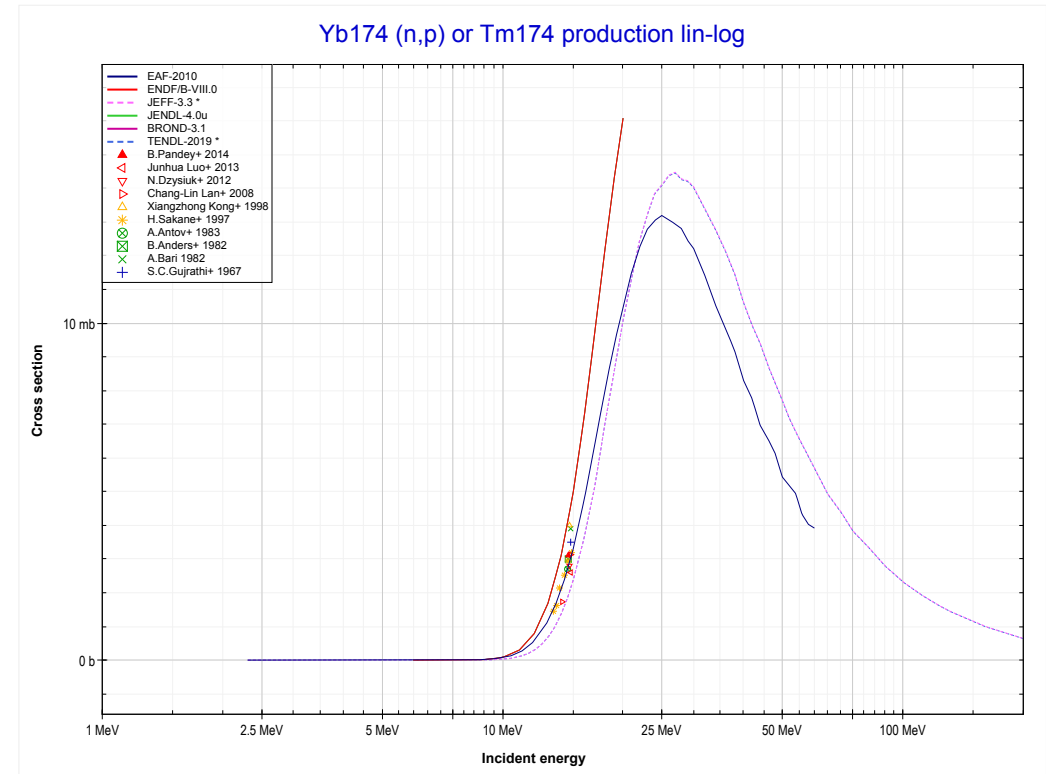
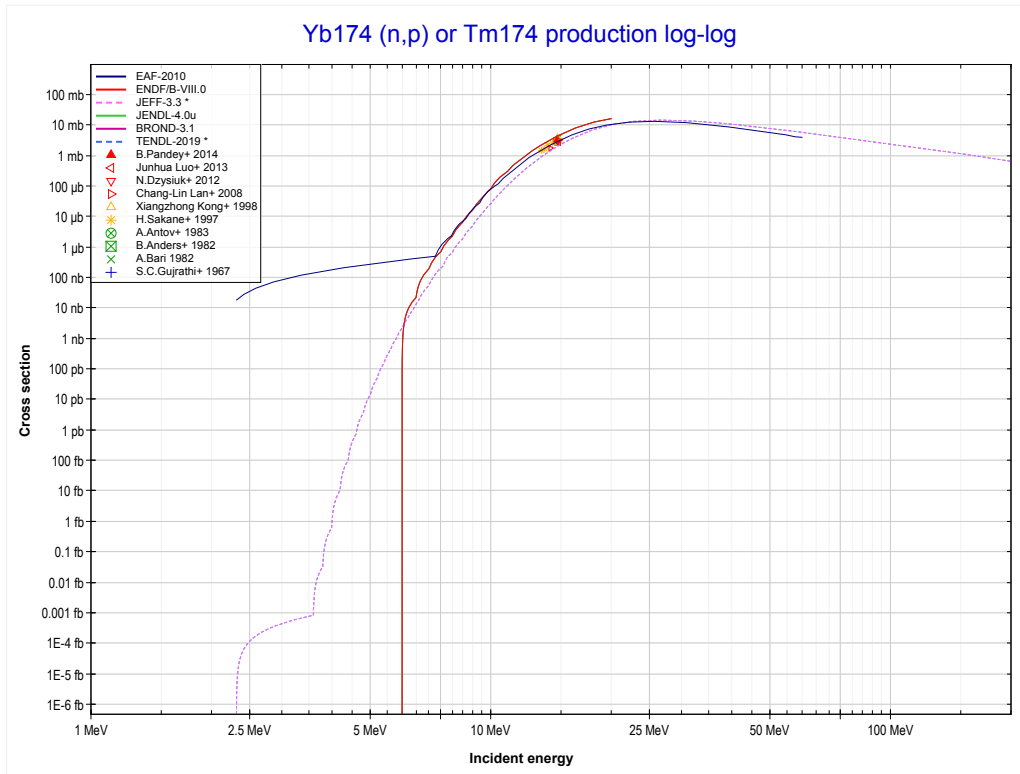
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35962E-24 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36017E-24 b | 0 b |

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|------------------|--|----------------|
| << 70-Yb-173 | 70-Yb-174 | 70-Yb-176 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Yb175 production) | MT103 (n,p) >> |



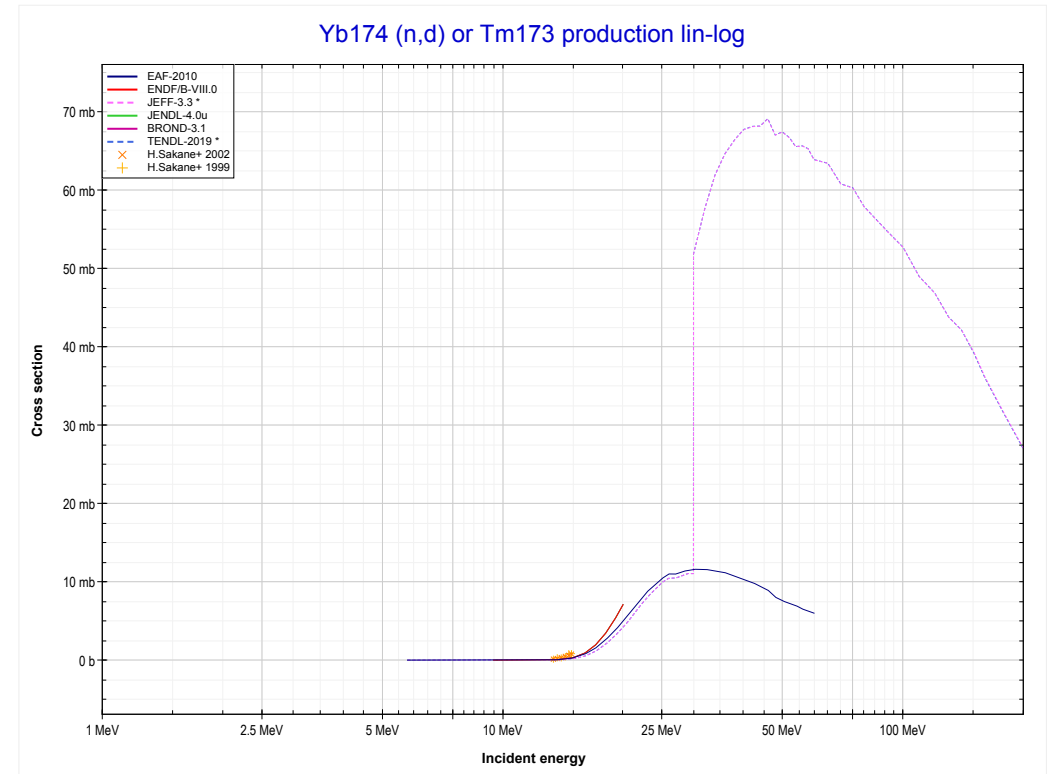
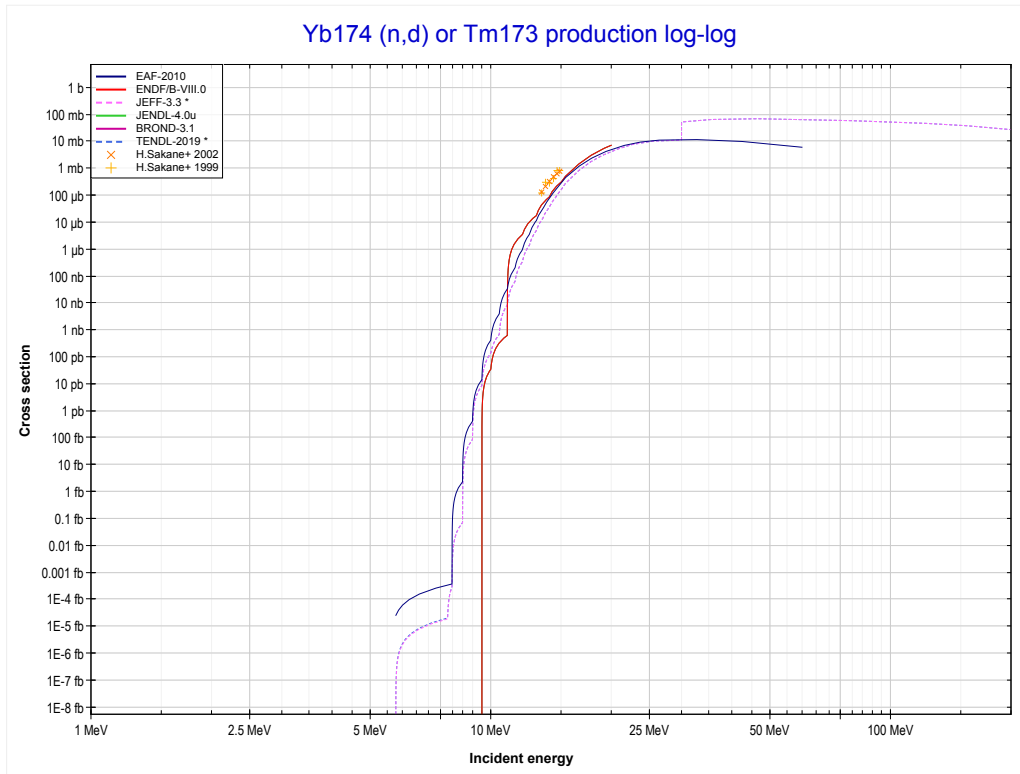
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 69.2 b | 69.1479 b | 69.077 b | 0.99897 | 27.5747 b | 0.0270079 b | 0.00111 b |
| ENDF/B-VIII.0 | 63.2058 b | 63.2058 b | 63.17 b | 0.99944 | 25.3759 b | 0.0331204 b | 7.231E-4 b |
| JEFF-3.3 | 119.541 b | 119.541 b | 119.47 b | 0.99938 | 44.3963 b | 0.0215938 b | 0.00109296 b |
| JENDL-4.0u | 63.2058 b | 63.2058 b | 63.17 b | 0.99944 | 25.3759 b | 0.0331204 b | 7.231E-4 b |
| BROND-3.1 | 63.2058 b | 63.2058 b | 63.17 b | 0.99944 | 25.3759 b | 0.0331204 b | 7.231E-4 b |
| TENDL-2019 | 63.2134 b | 63.2134 b | 63.153 b | 0.99905 | 25.5115 b | 0.0210676 b | 0.00109255 b |

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|-------------------------|--|----------------|
| << 70-Yb-173 | 70-Yb-174 | 70-Yb-176 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tm174 production) | MT104 (n,d) >> |



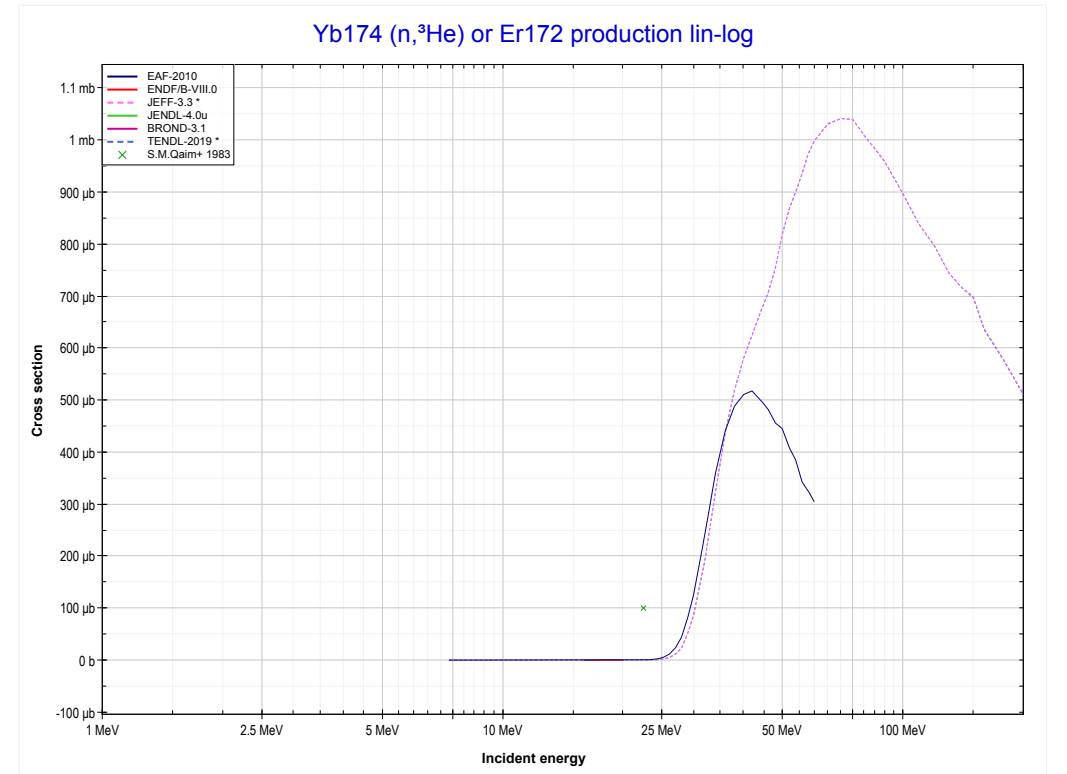
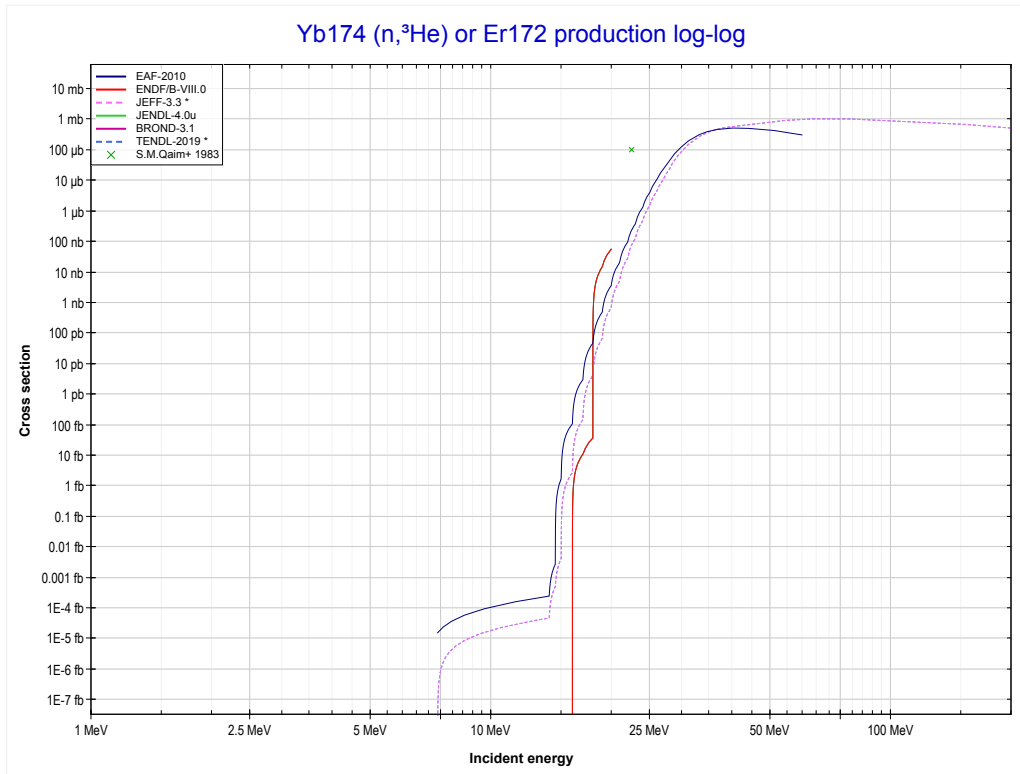
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31919E-6 b | 0.00209796 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80063E-6 b | 0.003086 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.47036E-7 b | 0.00135305 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.80063E-6 b | 0.003086 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80063E-6 b | 0.003086 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.46915E-7 b | 0.00135302 b |

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|----------------|--|-------------------------------|
| << 68-Er-170 | 70-Yb-174 | 70-Yb-176 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tm173 production) | MT106 (n, ³ He) >> |



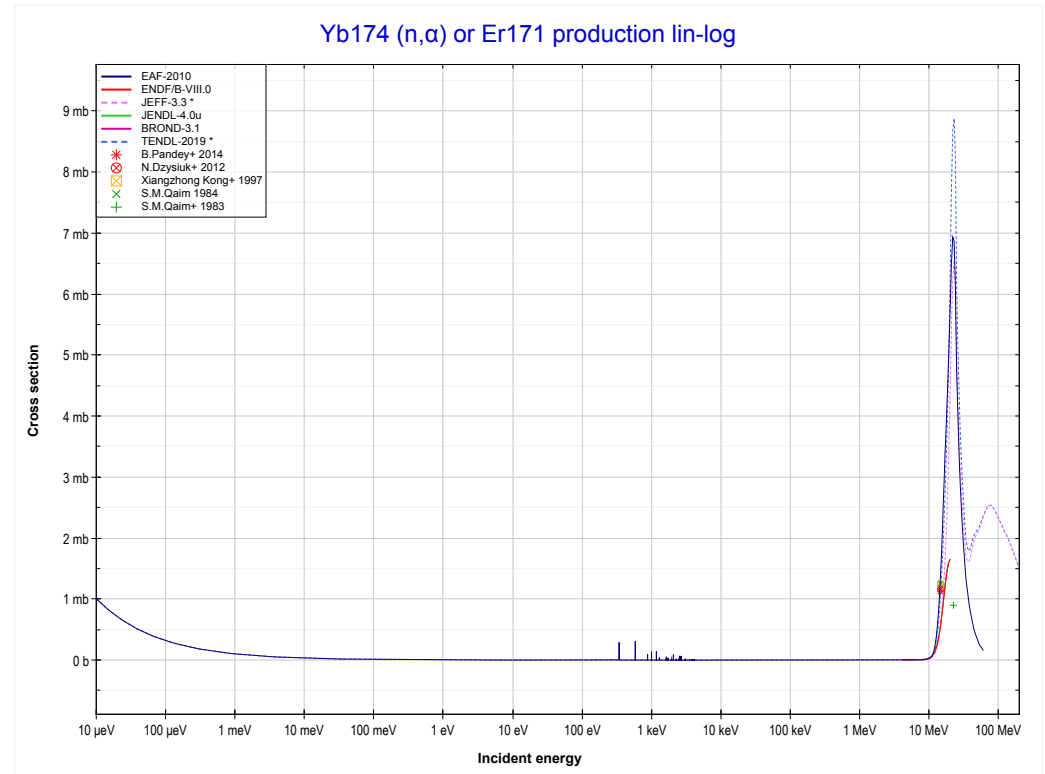
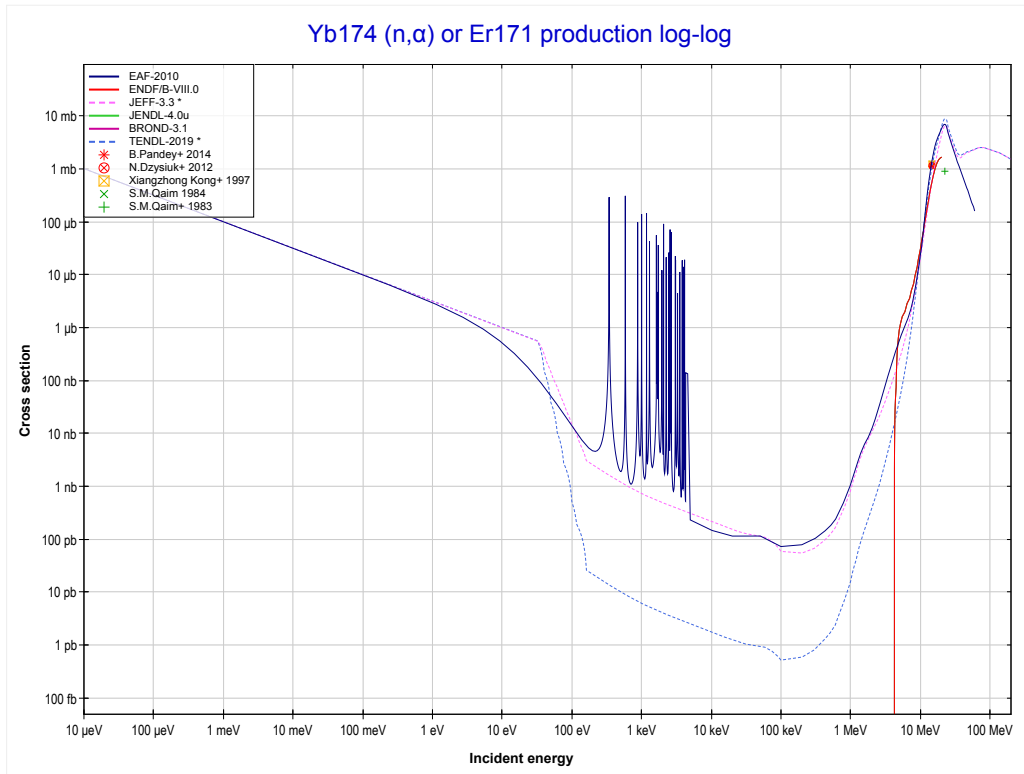
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.54397E-8 b | 7.17117E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.67334E-8 b | 8.363E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.14795E-8 b | 3.49794E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.67334E-8 b | 8.363E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 9.67334E-8 b | 8.363E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.14786E-8 b | 3.49803E-5 b |

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|----------------|---|----------------|
| << 69-Tm-169 | 70-Yb-174 | 73-Ta-181 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Er172 production) | MT107 (n,α) >> |



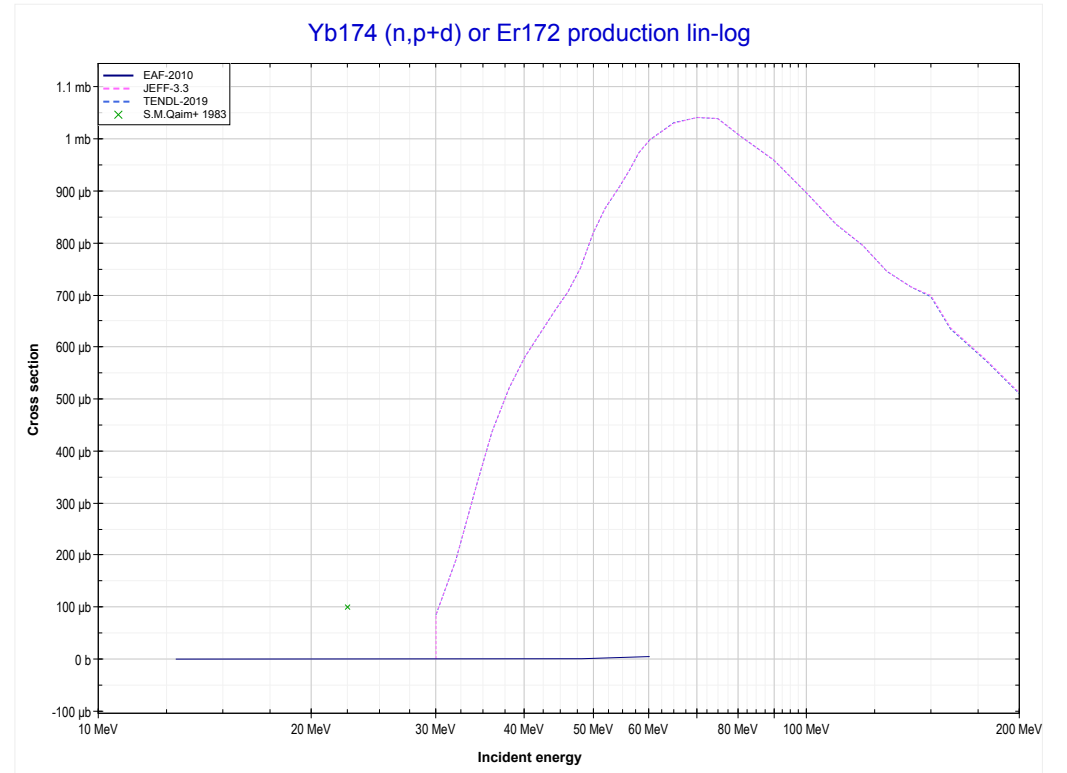
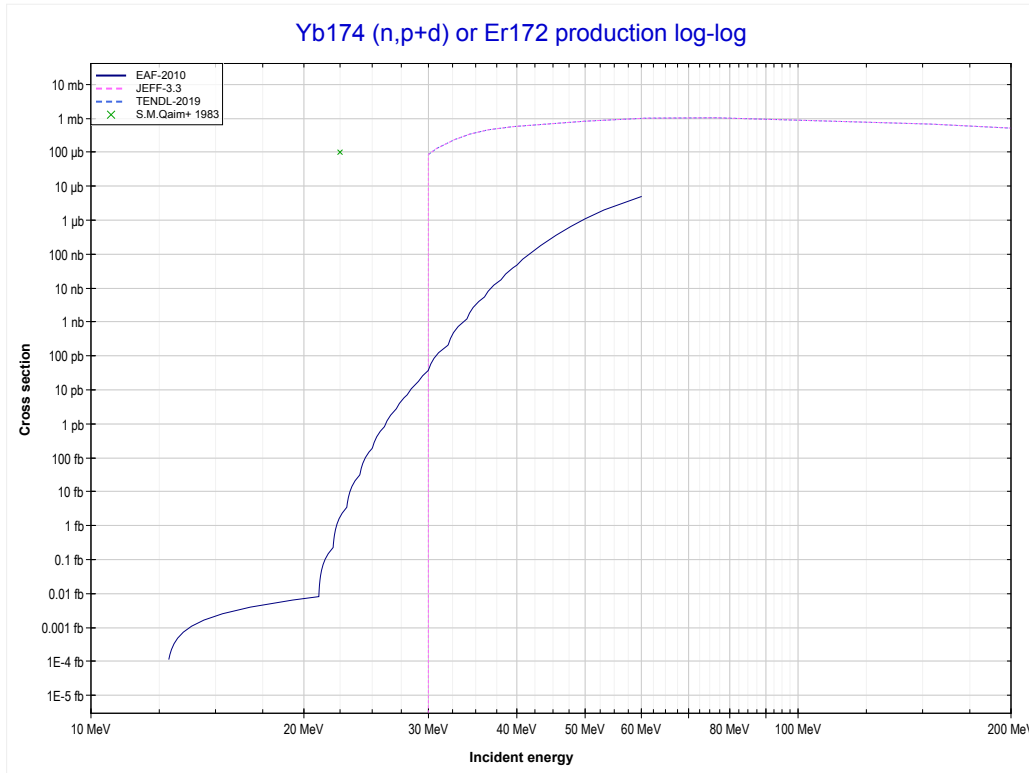
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.1613E-15 b | 2.43051E-19 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.88877E-14 b | 0 b |
| JEFF-3.3 * | 0 b | 0 b | 0 b | 0 | 0 b | 7.00065E-16 b | 4.6291E-20 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.88877E-14 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.88877E-14 b | 0 b |
| TENDL-2019 * | 0 b | 0 b | 0 b | 0 | 0 b | 6.99599E-16 b | 4.6312E-20 b |

| | | |
|-------------------------------|--|------------------|
| << 70-Yb-173 | 70-Yb-174 | 70-Yb-176 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Er171 production) | MT115 (n,p+d) >> |



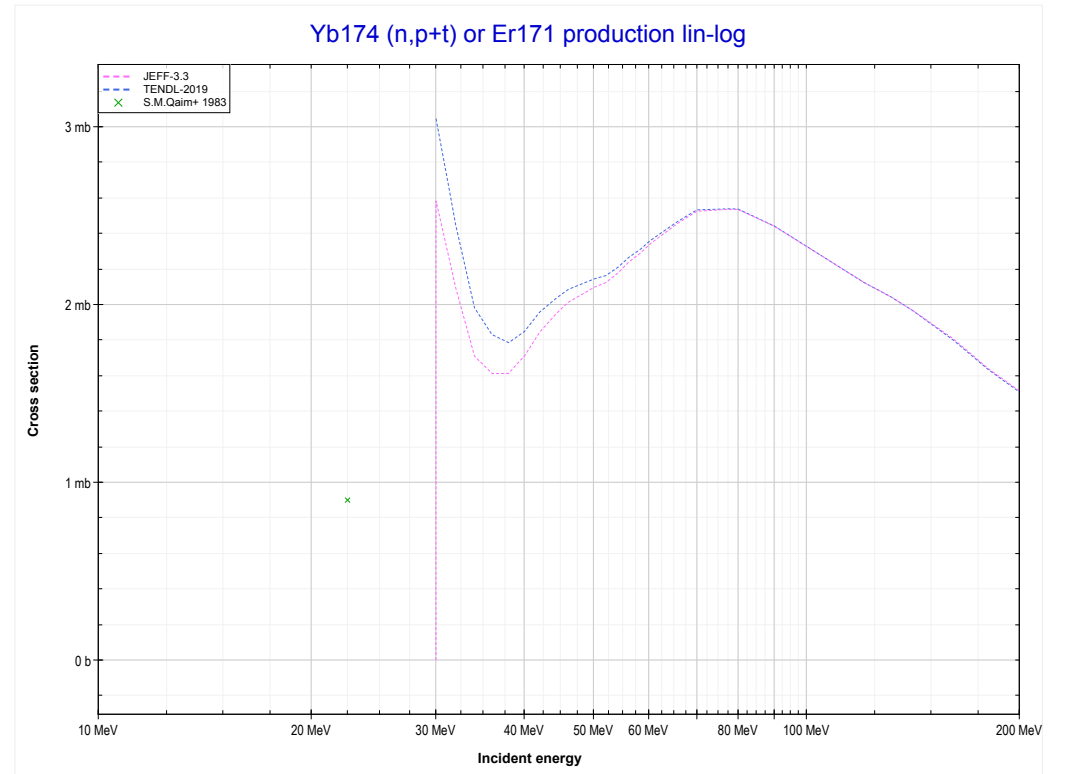
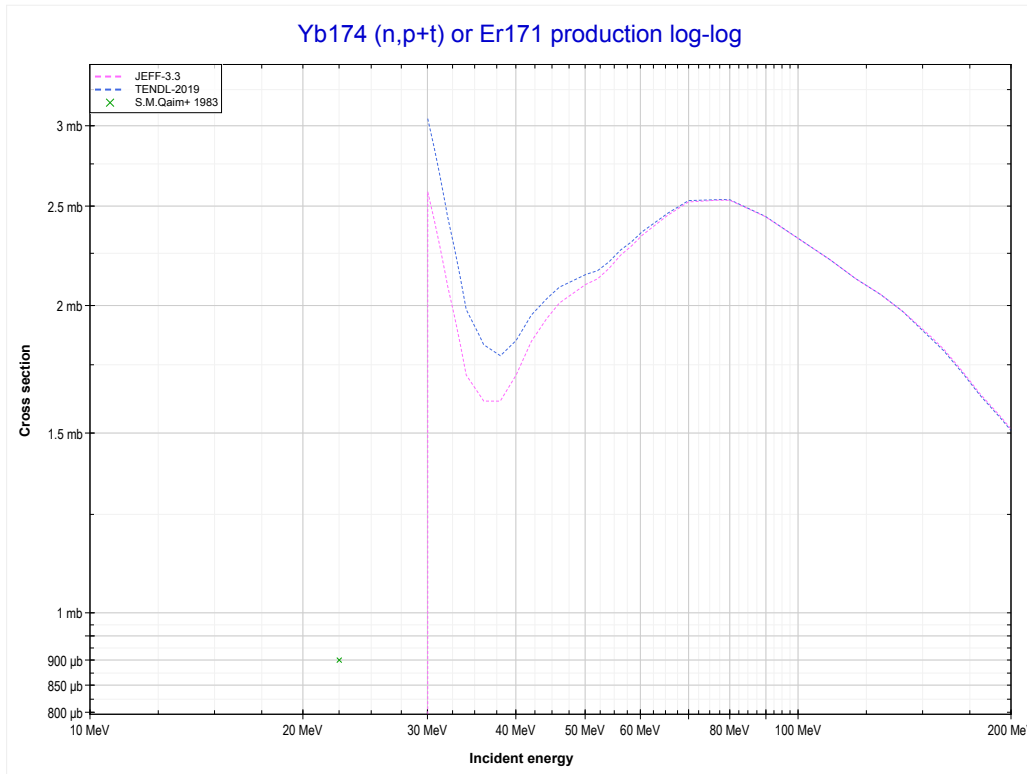
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2E-5 b | 1.9985E-5 b | 1.9964E-5 b | 0.99897 | 7.76341E-6 b | 6.31221E-7 b | 9.48347E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69257E-7 b | 4.08E-4 b |
| JEFF-3.3 | 2.00009E-5 b | 2.00009E-5 b | 2.0007E-5 b | 1.00032 | 8.07635E-6 b | 3.4104E-7 b | 3.74166E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.69258E-7 b | 4.08E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69258E-7 b | 4.08E-4 b |
| TENDL-2019 | 2.00363E-5 b | 2.00363E-5 b | 2.0027E-5 b | 0.99955 | 7.99867E-6 b | 4.58883E-7 b | 7.19535E-4 b |

| | | |
|-------------------------|--|------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Er172 production) | MT116 (n,p+t) >> |



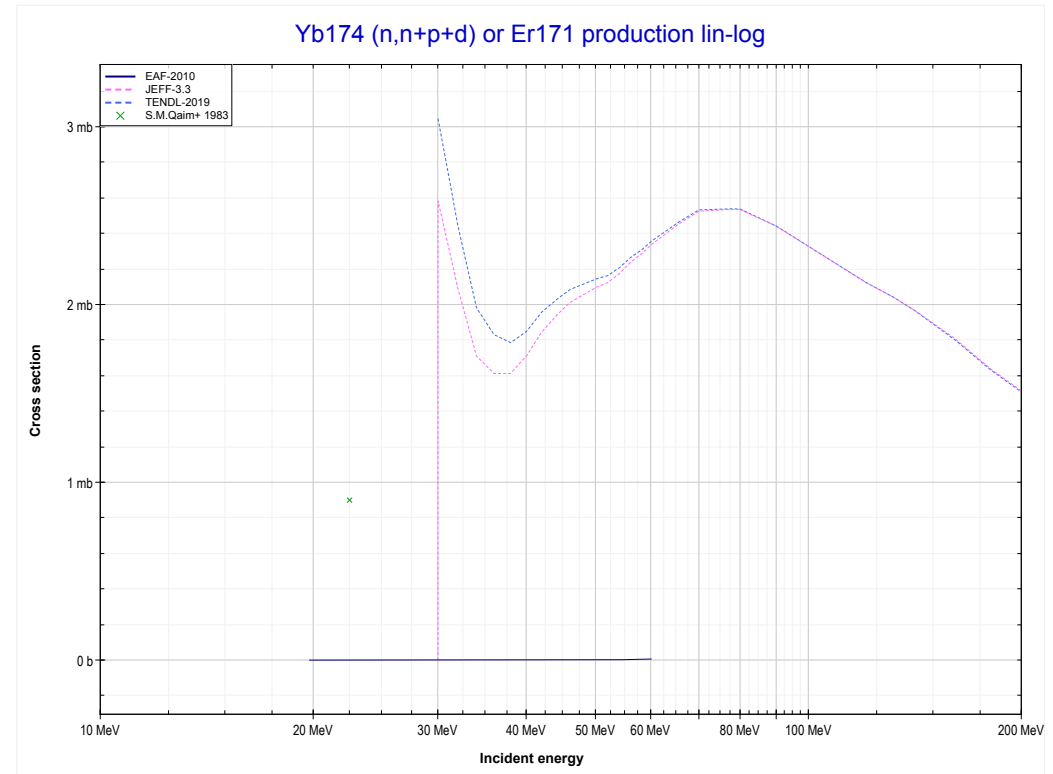
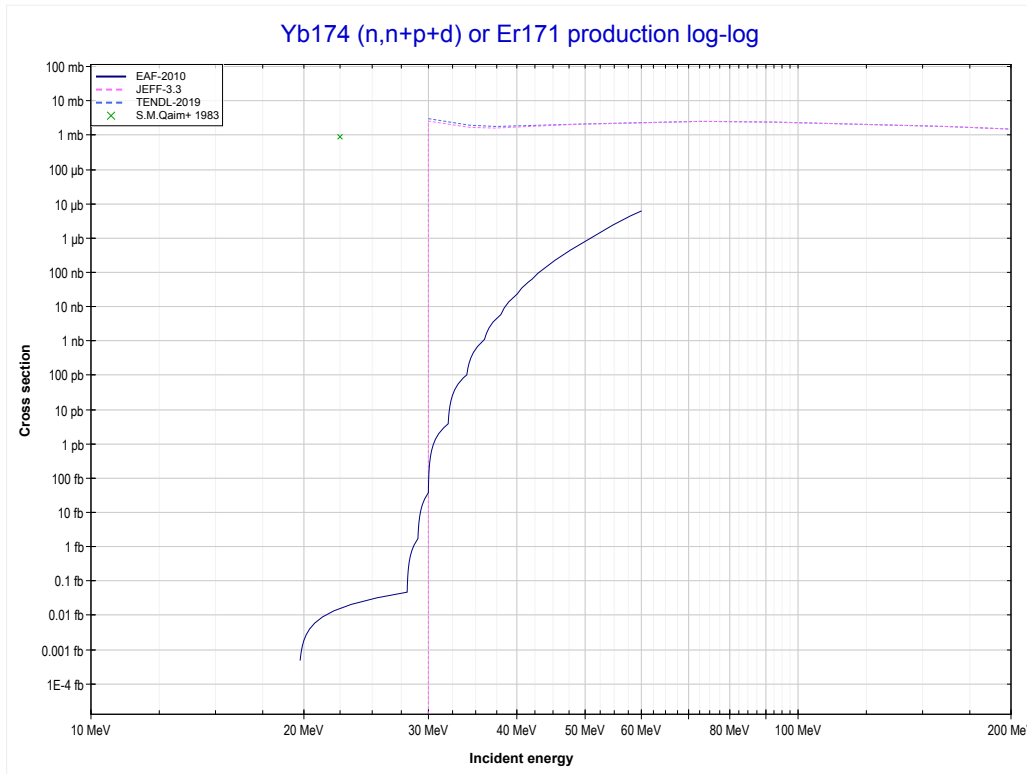
| Reaction | Q-Value |
|--------------------|---------------|
| Yb174(n,He3)Er172 | -7320.41 keV |
| Yb174(n,p+d)Er172 | -12813.89 keV |
| Yb174(n,n+2p)Er172 | -15038.45 keV |

| | | |
|------------------|--|--------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Er171 production) | MT183 (n,n+p+d) >> |



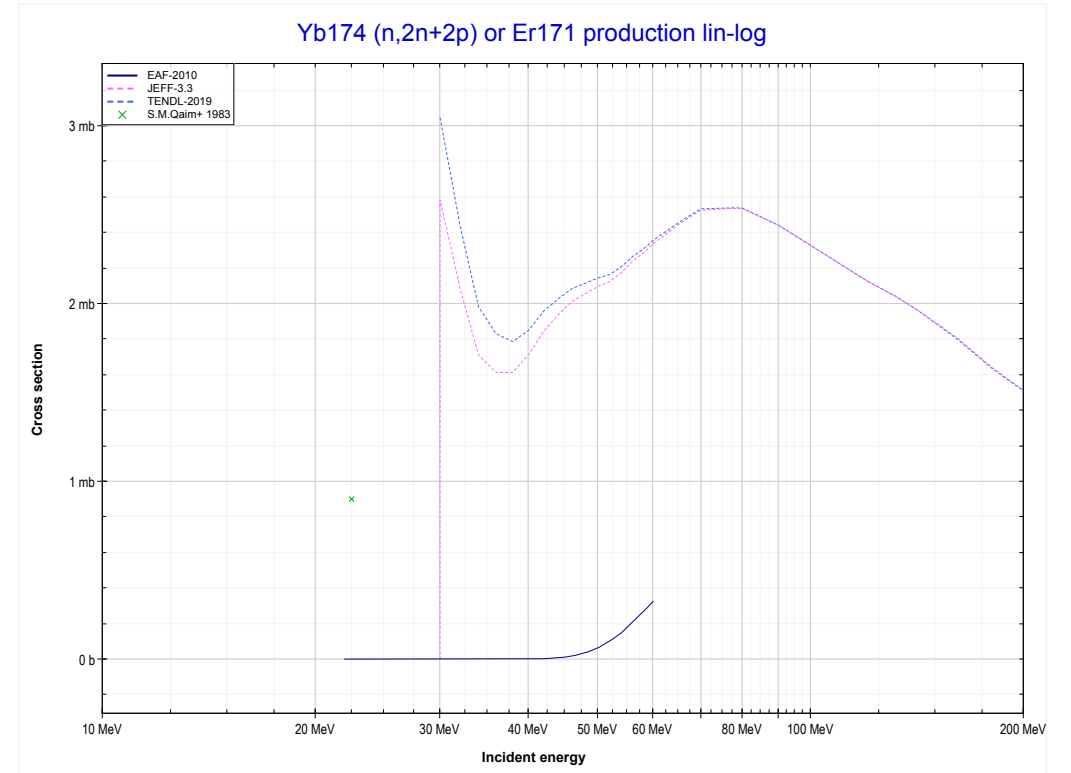
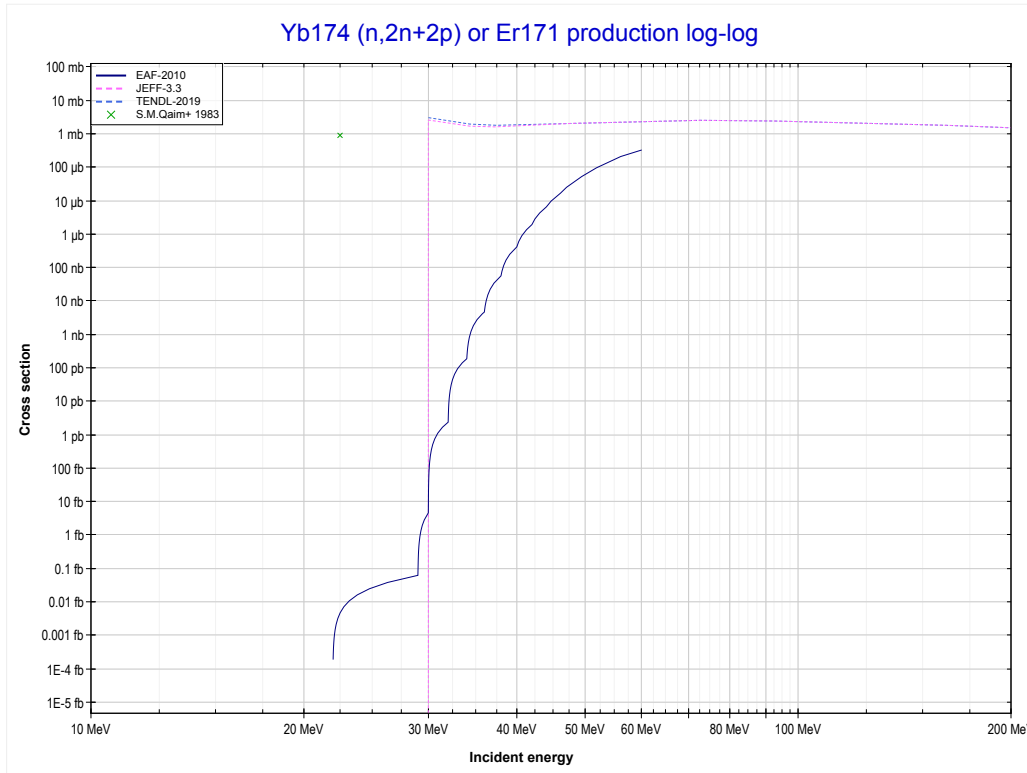
| Reaction | Q-Value |
|---------------------|---------------|
| Yb174(n,α)Er171 | 6420.89 keV |
| Yb174(n,p+t)Er171 | -13392.98 keV |
| Yb174(n,n+He3)Er171 | -14156.73 keV |
| Yb174(n,2d)Er171 | -17425.64 keV |
| Yb174(n,n+p+d)Er171 | -19650.20 keV |
| Yb174(n,2n+2p)Er171 | -21874.77 keV |

| | | |
|------------------|--|--------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Er171 production) | MT190 (n,2n+2p) >> |



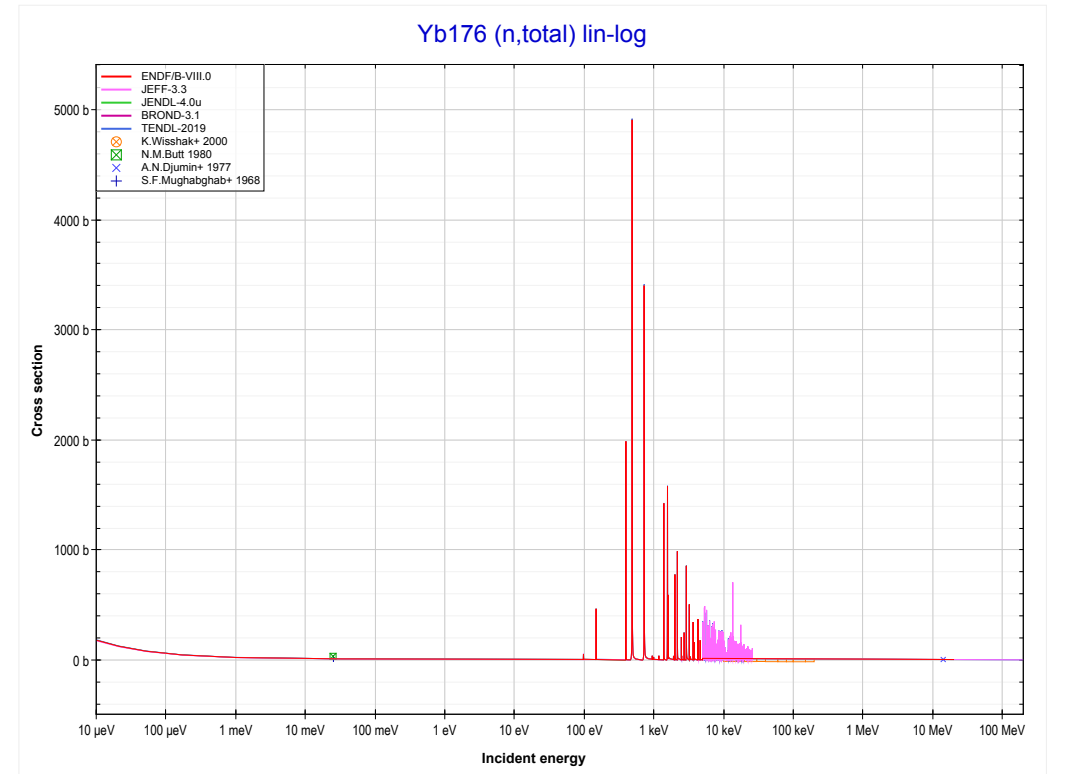
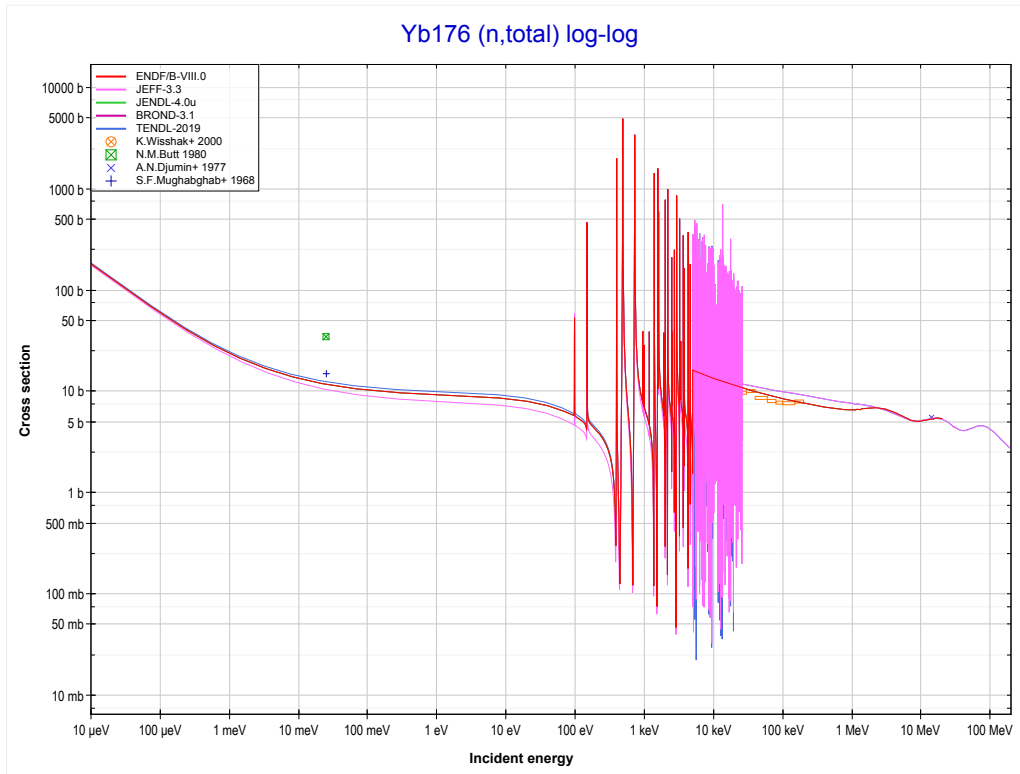
| Reaction | Q-Value |
|--------------------------|---------------|
| Yb174(n, α)Er171 | 6420.89 keV |
| Yb174(n,p+t)Er171 | -13392.98 keV |
| Yb174(n,n+He3)Er171 | -14156.73 keV |
| Yb174(n,2d)Er171 | -17425.64 keV |
| Yb174(n,n+p+d)Er171 | -19650.20 keV |
| Yb174(n,2n+2p)Er171 | -21874.77 keV |

| | | |
|--------------------|--|----------------------------|
| << 67-Ho-165 | 70-Yb-174 | 74-W-186 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Er171 production) | 70-Yb-176 MT1 (n,total) >> |



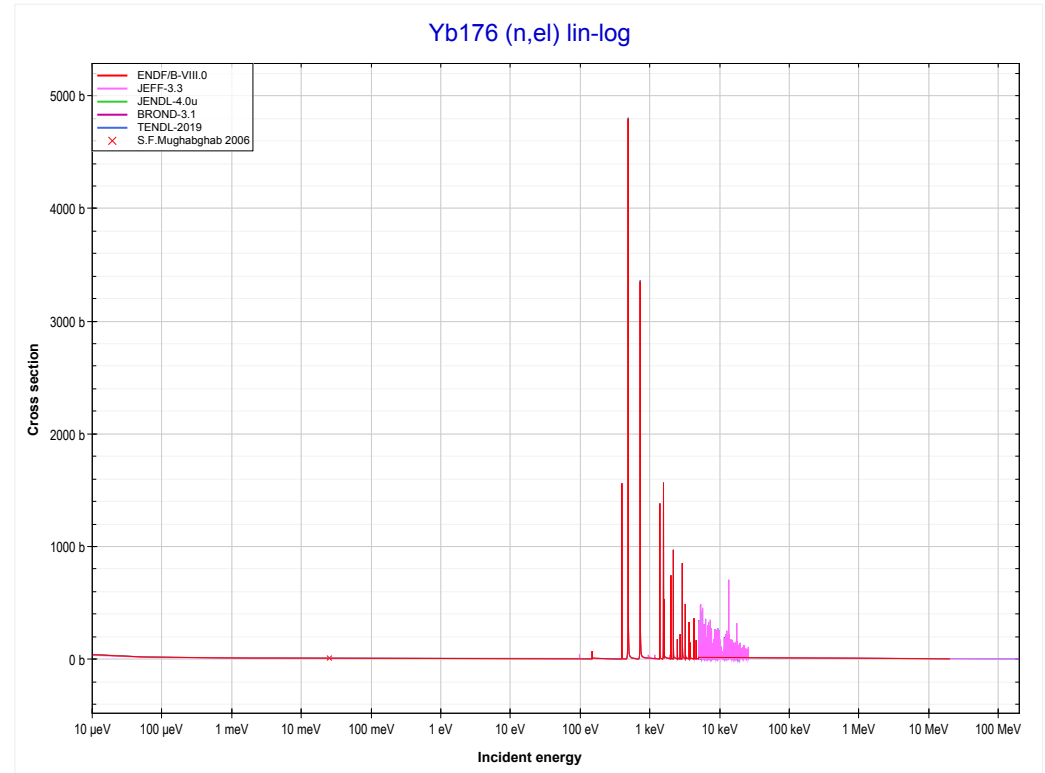
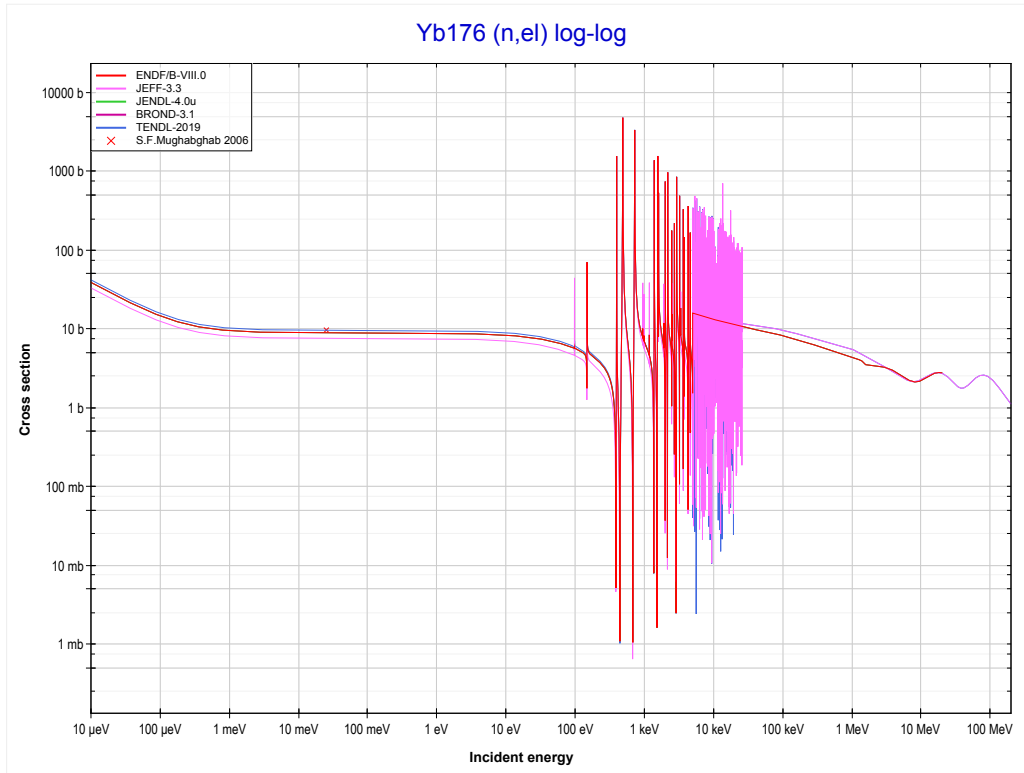
| Reaction | Q-Value |
|---------------------|---------------|
| Yb174(n,α)Er171 | 6420.89 keV |
| Yb174(n,p+t)Er171 | -13392.98 keV |
| Yb174(n,n+He3)Er171 | -14156.73 keV |
| Yb174(n,2d)Er171 | -17425.64 keV |
| Yb174(n,n+p+d)Er171 | -19650.20 keV |
| Yb174(n,2n+2p)Er171 | -21874.77 keV |

| | | |
|------------------------------|----------------------|--------------------|
| << 70-Yb-174 | 70-Yb-176 | 71-Lu-175 >> |
| << 70-Yb-174 MT190 (n,2n+2p) | MT1 (n,total) | MT2 (n,elastic) >> |



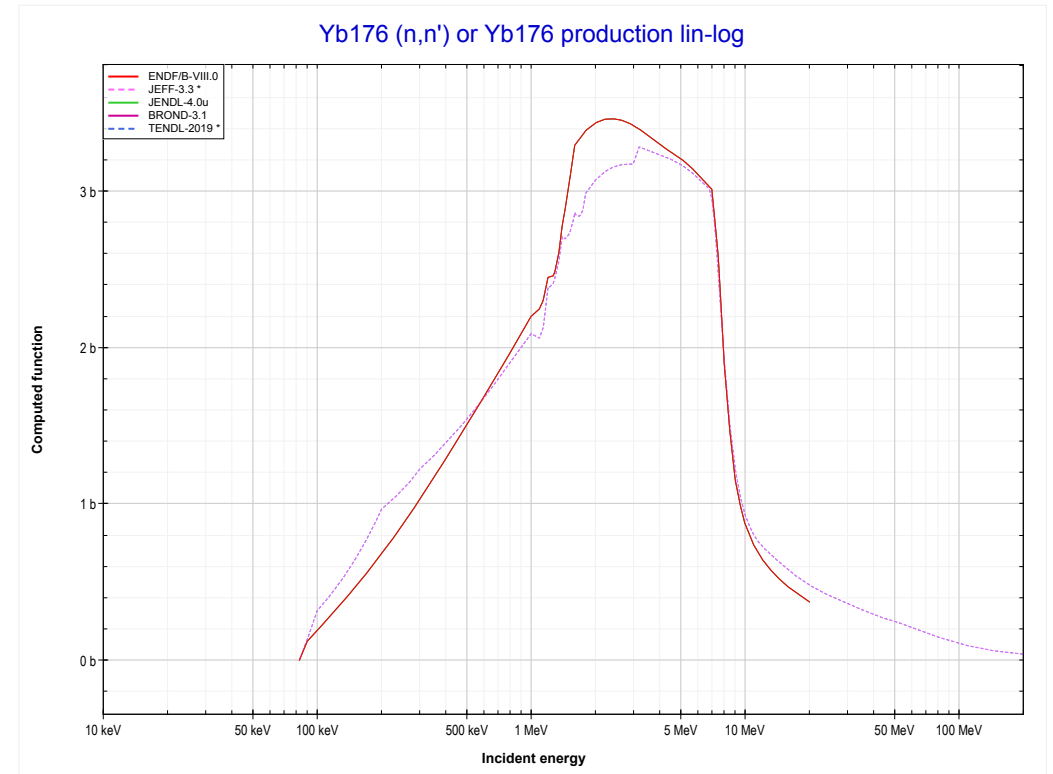
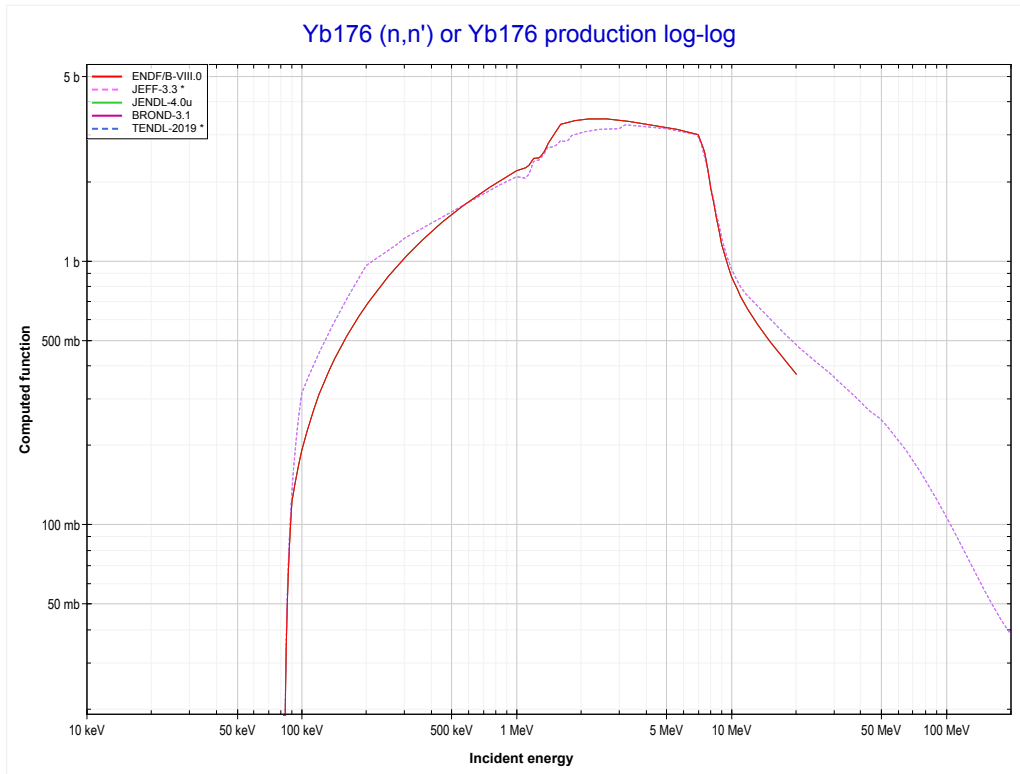
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.694 b | 11.694 b | 12.832 b | 1.09731 | 206.139 b | 6.6991 b | 5.33662 b |
| JEFF-3.3 | 10.3805 b | 10.3805 b | 11.349 b | 1.09329 | 212.03 b | 7.25875 b | 5.39203 b |
| JENDL-4.0u | 11.694 b | 11.694 b | 12.832 b | 1.09732 | 206.139 b | 6.6991 b | 5.33662 b |
| BROND-3.1 | 11.694 b | 11.694 b | 12.832 b | 1.09732 | 206.139 b | 6.6991 b | 5.33662 b |
| TENDL-2019 | 12.3986 b | 12.3986 b | 13.623 b | 1.09878 | 216.467 b | 7.25292 b | 5.39203 b |

| | | |
|------------------|------------------------|---------------|
| << 70-Yb-174 | 70-Yb-176 | 71-Lu-175 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



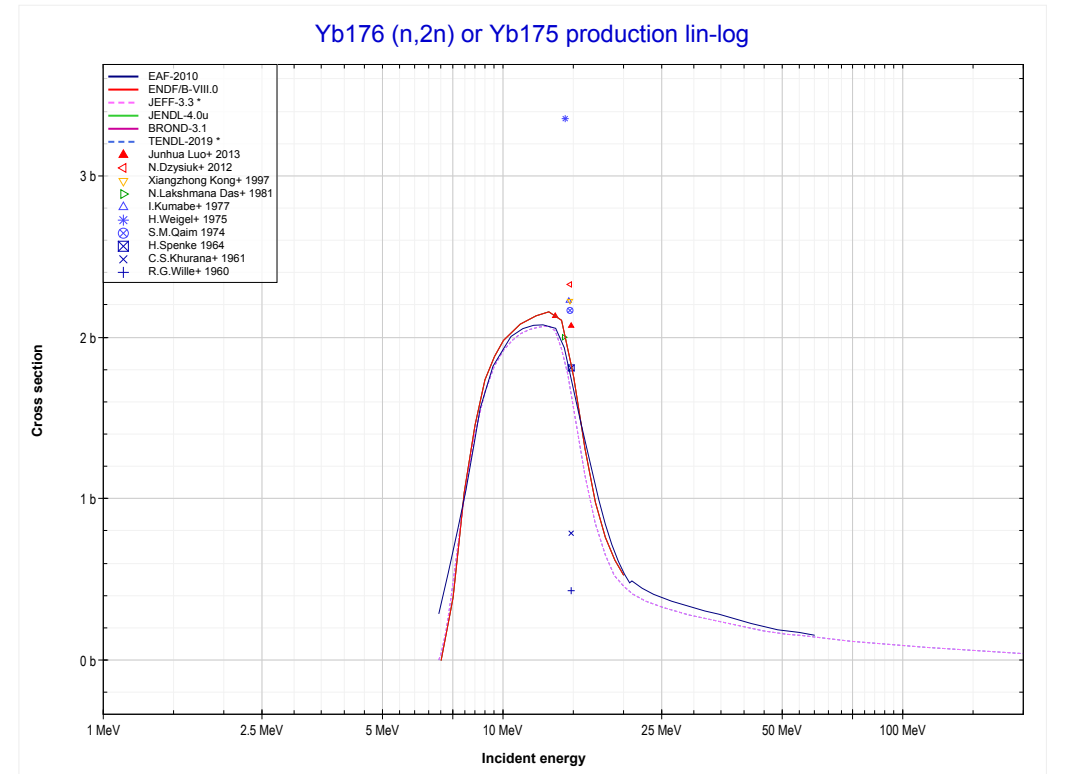
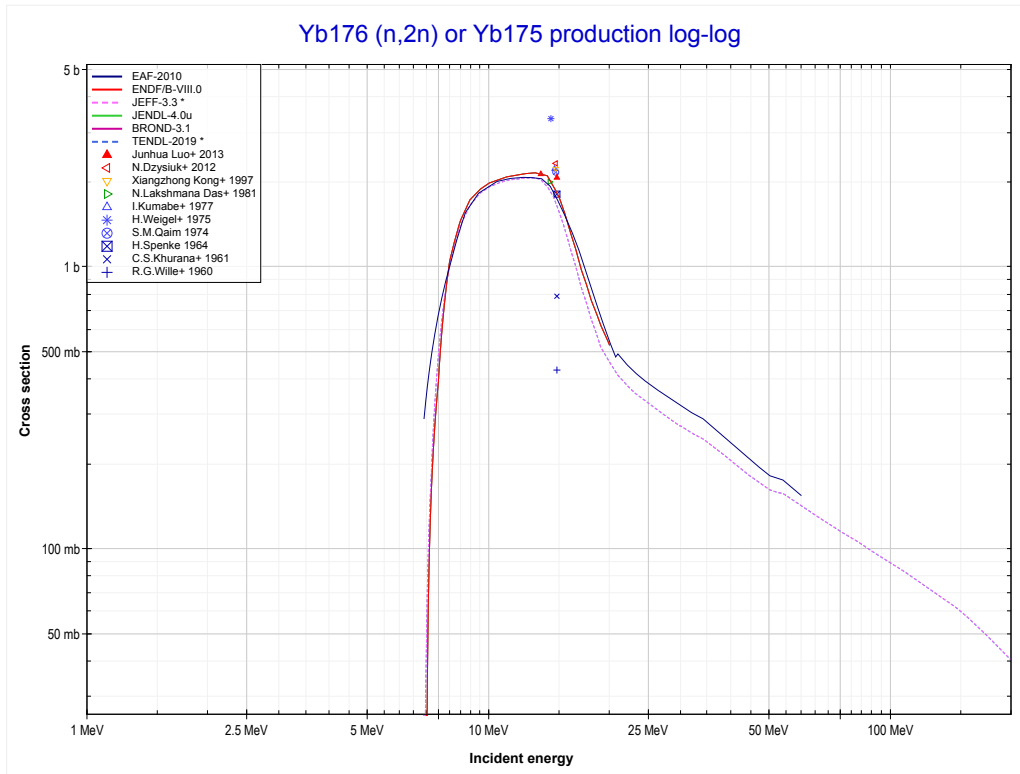
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.87087 b | 8.87087 b | 10.008 b | 1.1282 | 199.236 b | 4.05801 b | 2.62 b |
| JEFF-3.3 | 7.55049 b | 7.55049 b | 8.5183 b | 1.12819 | 205.536 b | 4.76556 b | 2.66792 b |
| JENDL-4.0u | 8.87087 b | 8.87087 b | 10.008 b | 1.1282 | 199.236 b | 4.05801 b | 2.62 b |
| BROND-3.1 | 8.87087 b | 8.87087 b | 10.008 b | 1.1282 | 199.236 b | 4.05801 b | 2.62 b |
| TENDL-2019 | 9.55049 b | 9.55049 b | 10.775 b | 1.12826 | 209.72 b | 4.75816 b | 2.66792 b |

| | | |
|--------------------|---|----------------|
| << 68-Er-167 | 70-Yb-176 | 71-Lu-177m >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Yb176 production) | MT16 (n,2n) >> |



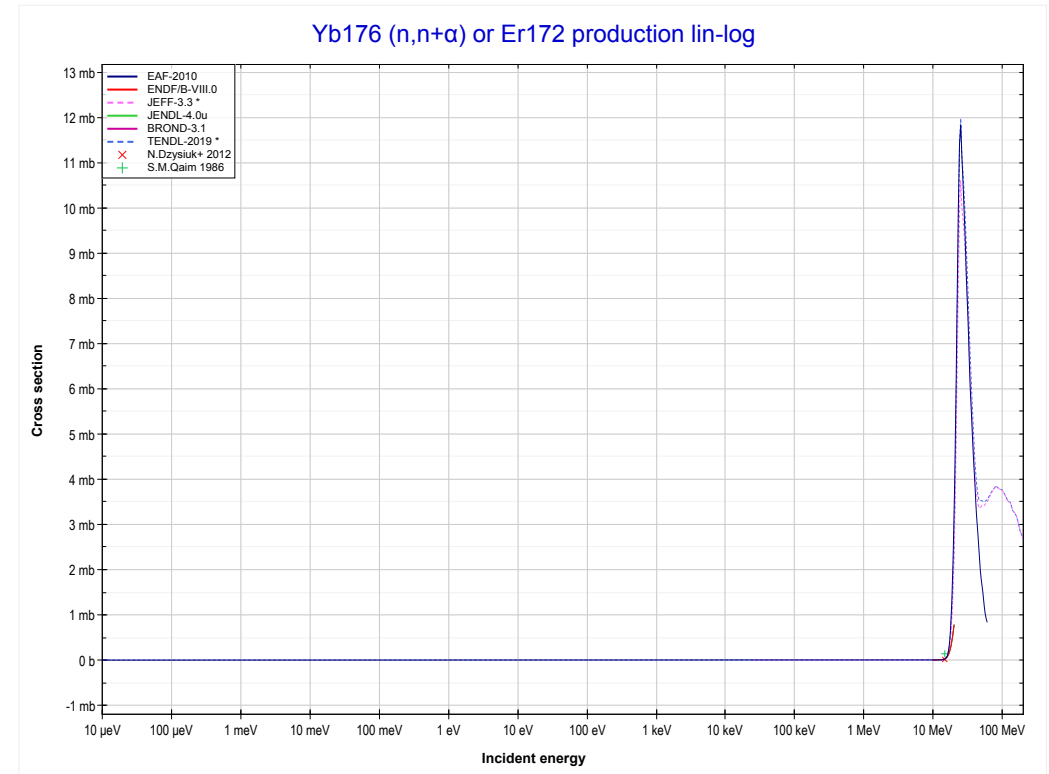
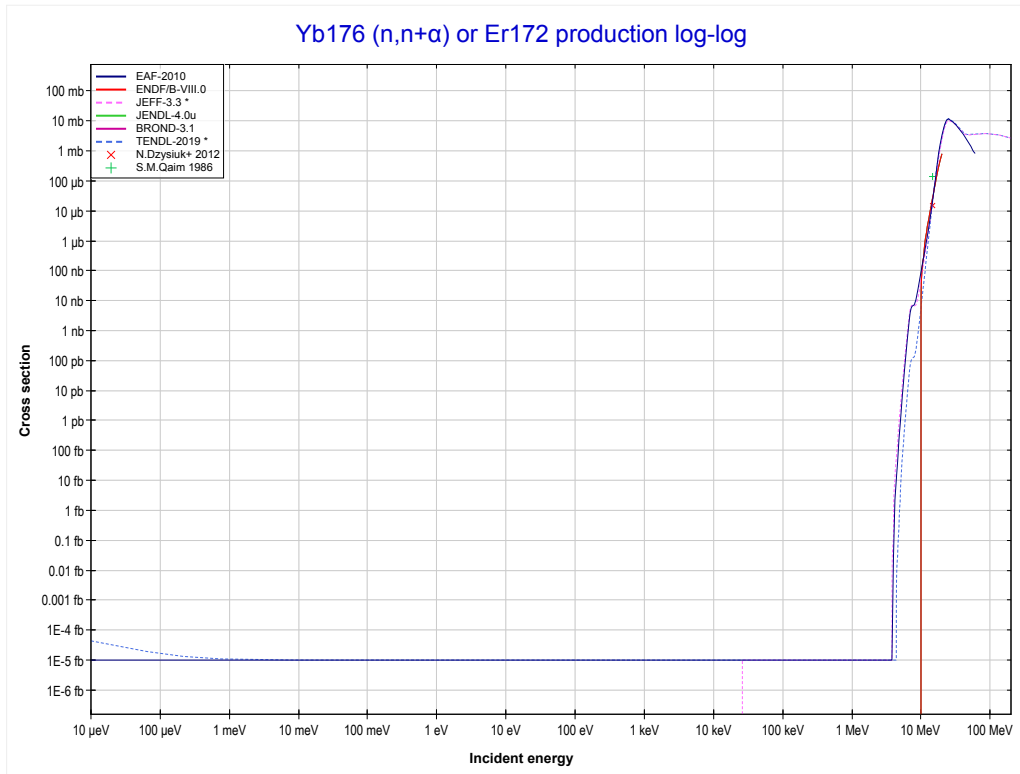
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0216766 b | 2.60111 b | 0.537458 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0292583 b | 2.46672 b | 0.642688 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.0216766 b | 2.60111 b | 0.537458 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0216766 b | 2.60111 b | 0.537458 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.0292717 b | 2.46684 b | 0.642749 b |

| | | |
|---------------|--|-----------------|
| << 70-Yb-170 | 70-Yb-176 | 71-Lu-175 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Yb175 production) | MT22 (n,n+α) >> |



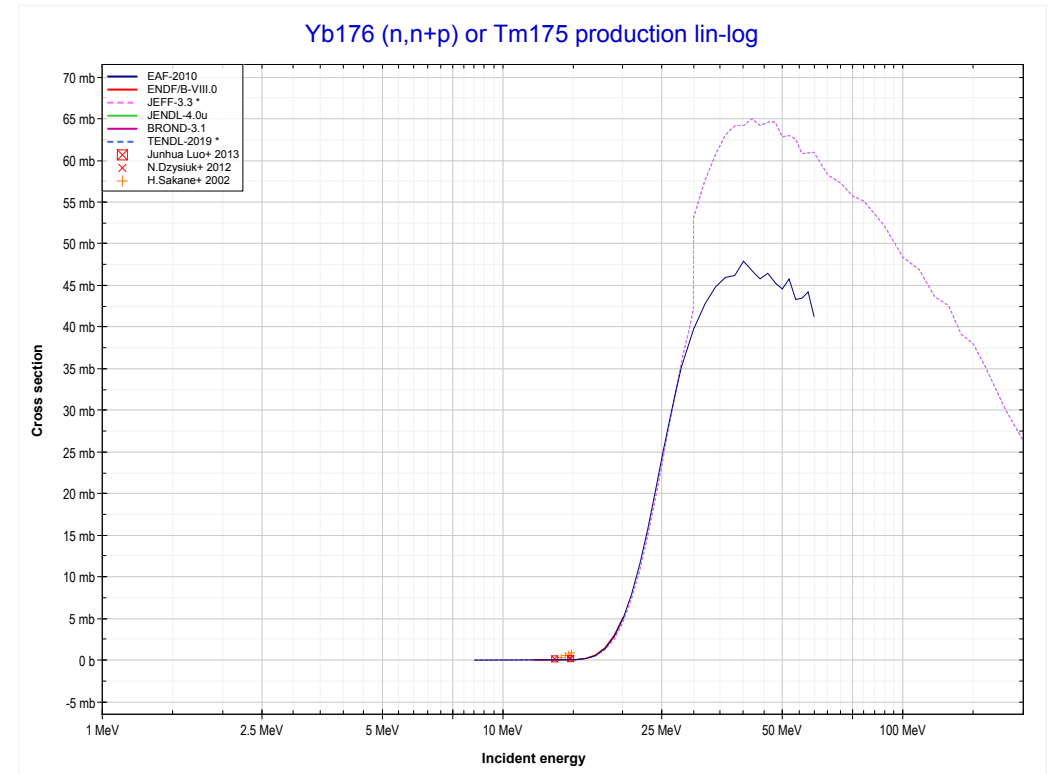
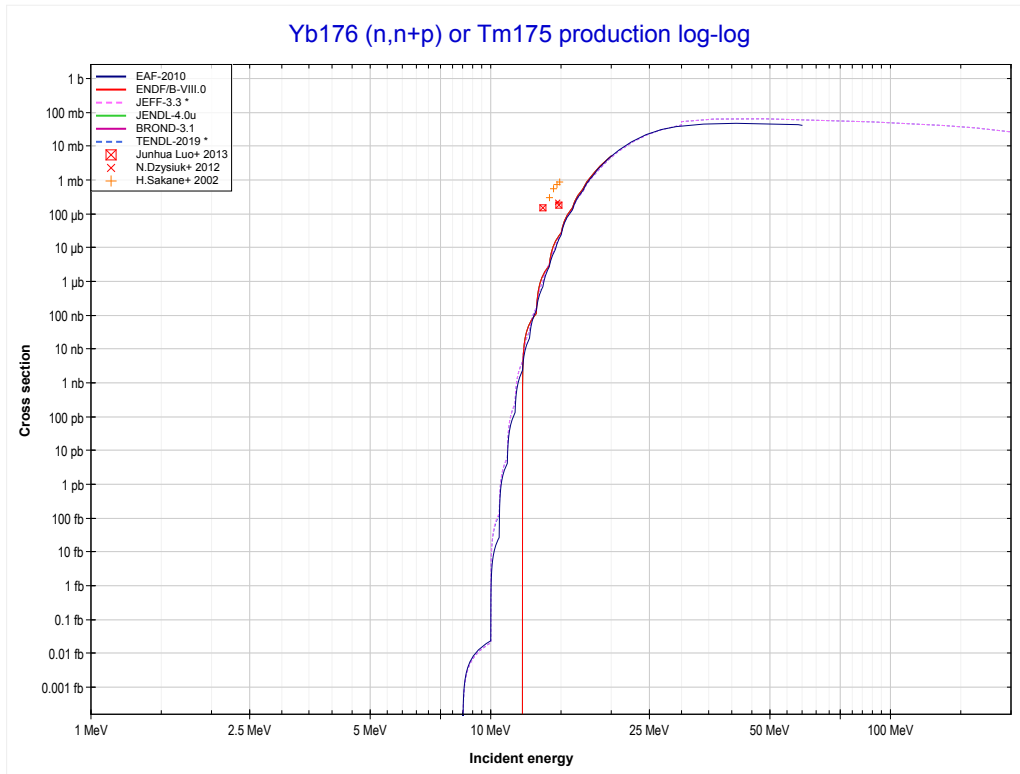
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0165059 b | 1.97478 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0162588 b | 2.106 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0161532 b | 1.92717 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0162588 b | 2.106 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0162588 b | 2.106 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0161379 b | 1.92756 b |

| | | |
|----------------|---|-----------------|
| << 67-Ho-165 | 70-Yb-176 | 73-Ta-181 >> |
| << MT16 (n,2n) | MT22 (n,n+α) or MT5 (Er172 production) | MT28 (n,n+p) >> |



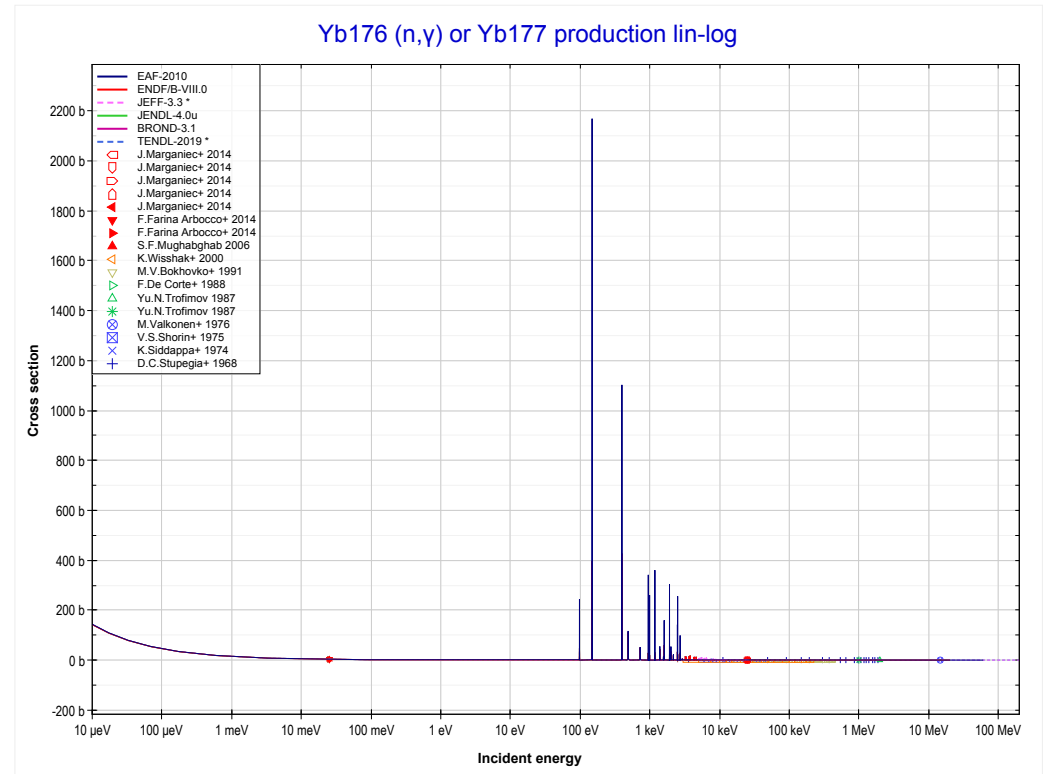
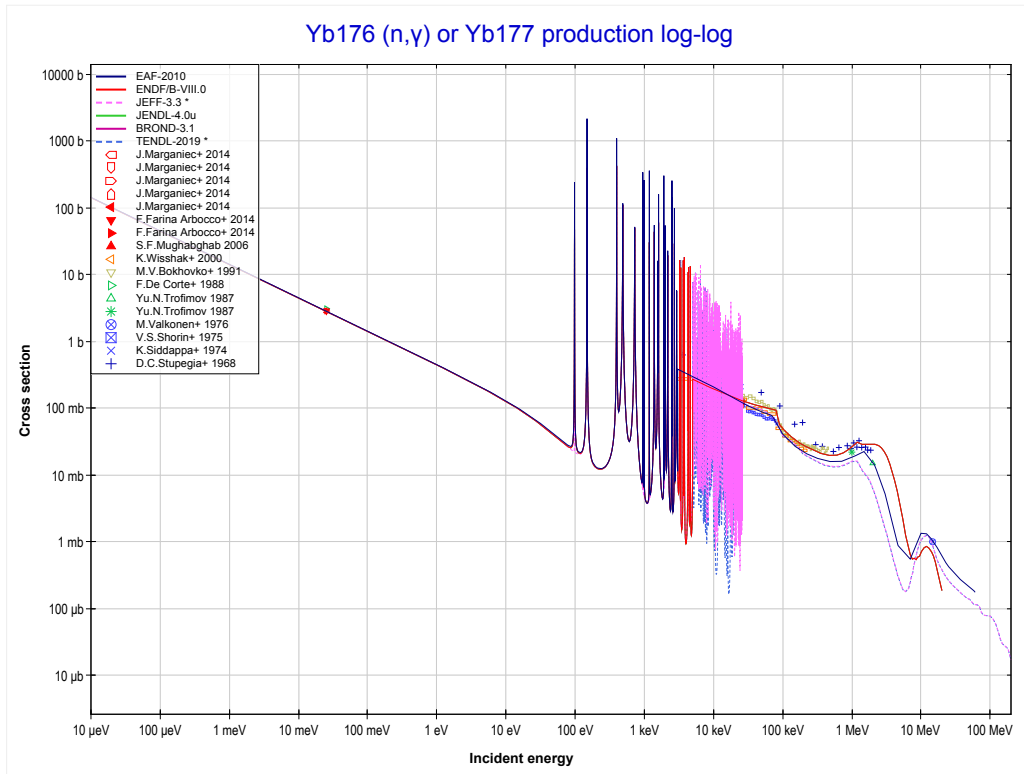
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10046E-8 b | 1.37E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.34129E-20 b | 1.47074E-8 b | 9.12777E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.10046E-8 b | 1.37E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10046E-8 b | 1.37E-5 b |
| TENDL-2019 | 1.0029E-20 b | 1.0029E-20 b | 1.1317E-20 b | 1.12841 | 1.22065E-19 b | 1.59161E-8 b | 6.87305E-6 b |

| | | |
|-----------------|---|----------------|
| << 70-Yb-174 | 70-Yb-176 | 73-Ta-181 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Tm175 production) | MT102 (n,γ) >> |



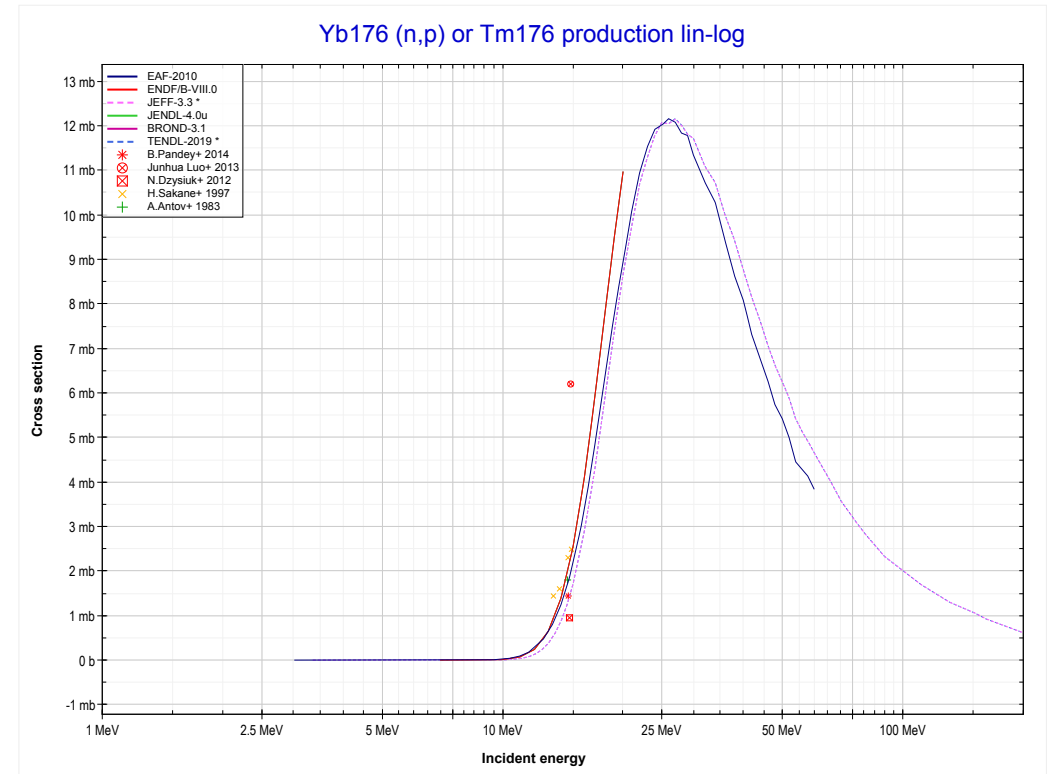
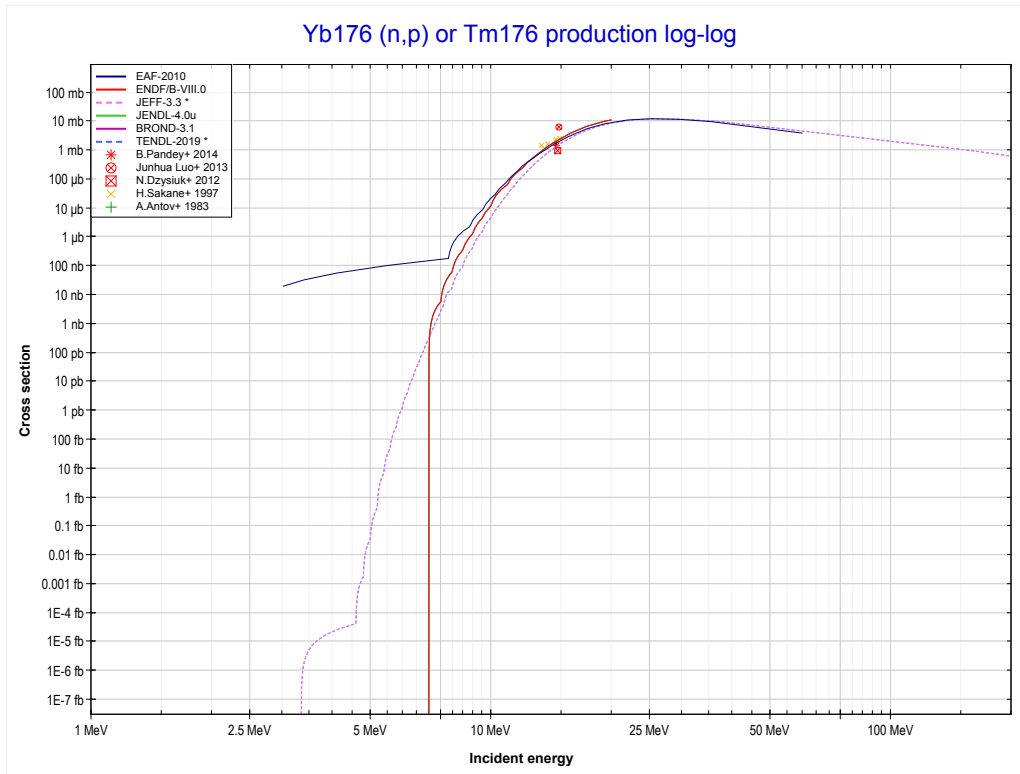
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89374E-8 b | 2.924E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49983E-8 b | 3.26179E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.89374E-8 b | 2.924E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.89374E-8 b | 2.924E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49673E-8 b | 3.24902E-6 b |

| | | |
|-----------------|--|----------------|
| << 70-Yb-174 | 70-Yb-176 | 71-Lu-173 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Yb177 production) | MT103 (n,p) >> |



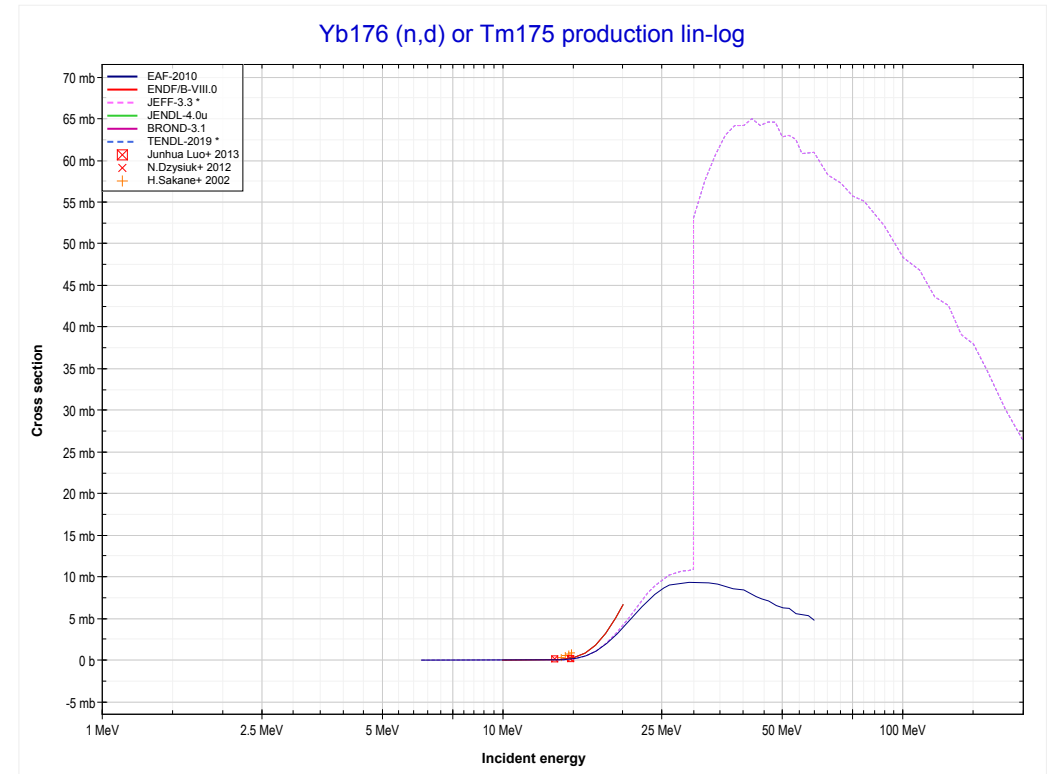
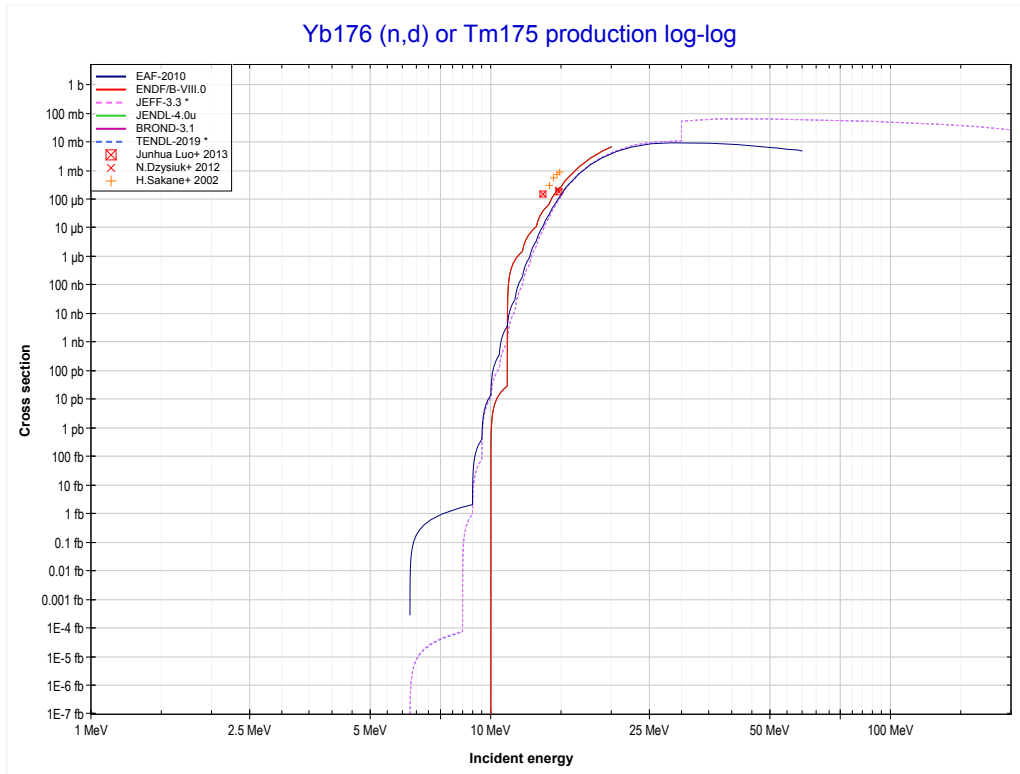
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.8583 b | 2.85616 b | 2.8557 b | 0.99985 | 6.77696 b | 0.0145719 b | 0.00112 b |
| ENDF/B-VIII.0 | 2.82311 b | 2.82311 b | 2.8239 b | 1.00027 | 6.88146 b | 0.0236458 b | 7.254E-4 b |
| JEFF-3.3 | 2.82997 b | 2.82997 b | 2.8305 b | 1.00018 | 6.46409 b | 0.0102385 b | 0.00103482 b |
| JENDL-4.0u | 2.82311 b | 2.82311 b | 2.8239 b | 1.00027 | 6.88146 b | 0.0236458 b | 7.254E-4 b |
| BROND-3.1 | 2.82311 b | 2.82311 b | 2.8239 b | 1.00027 | 6.88146 b | 0.0236458 b | 7.254E-4 b |
| TENDL-2019 | 2.84816 b | 2.84816 b | 2.8479 b | 0.99991 | 6.72005 b | 0.0100401 b | 0.00103455 b |

| | | |
|-------------------------|--|----------------|
| << 70-Yb-174 | 70-Yb-176 | 71-Lu-175 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tm176 production) | MT104 (n,d) >> |



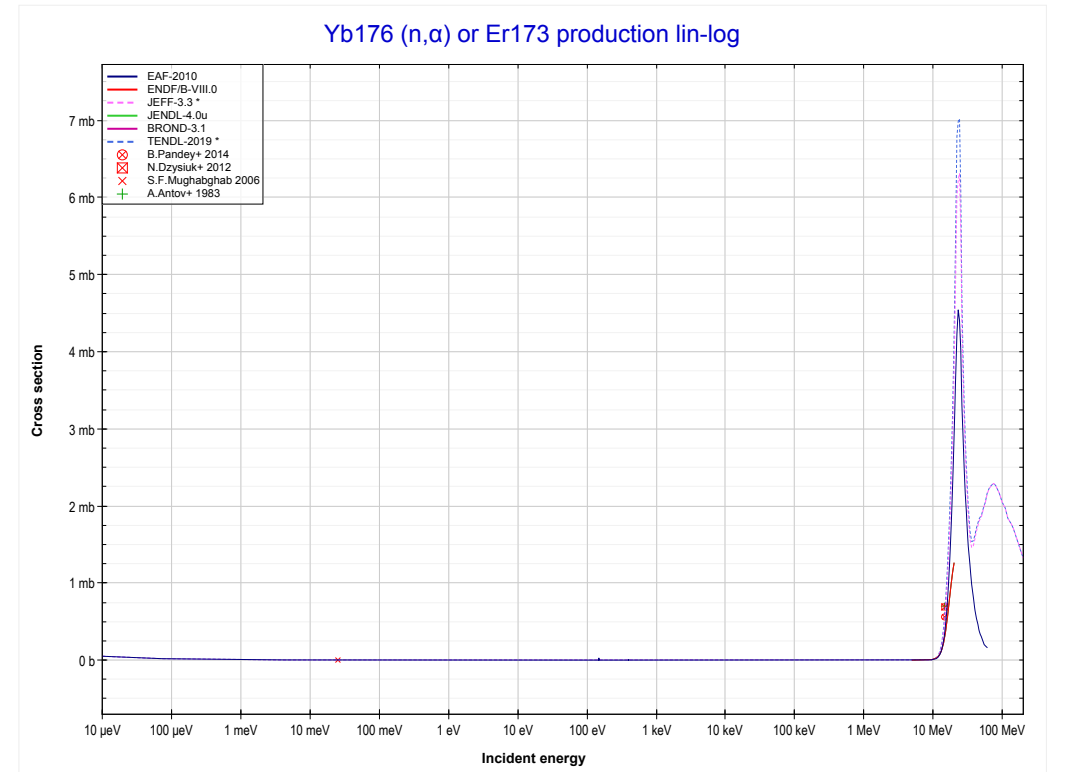
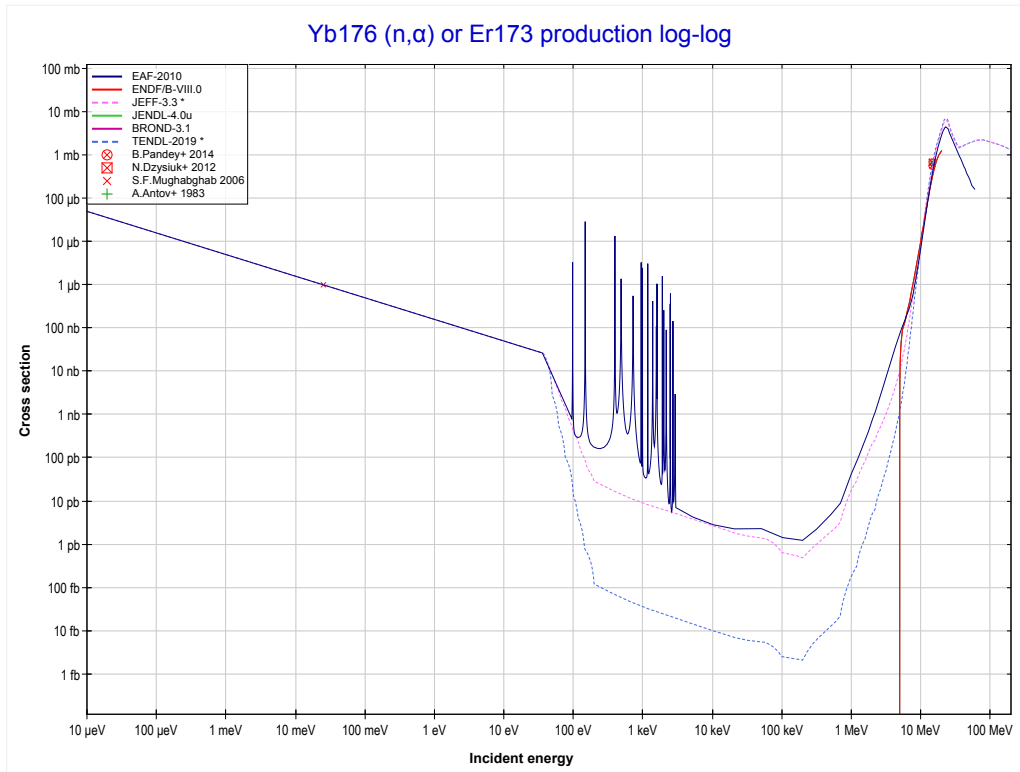
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.84986E-7 b | 0.00124775 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.13583E-7 b | 0.001393 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.36377E-7 b | 8.7424E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.13583E-7 b | 0.001393 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.13583E-7 b | 0.001393 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.36393E-7 b | 8.74254E-4 b |

| | | |
|----------------|--|-------------------------|
| << 70-Yb-174 | 70-Yb-176 | 74-W-183 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Tm175 production) | MT107 (n, α) >> |



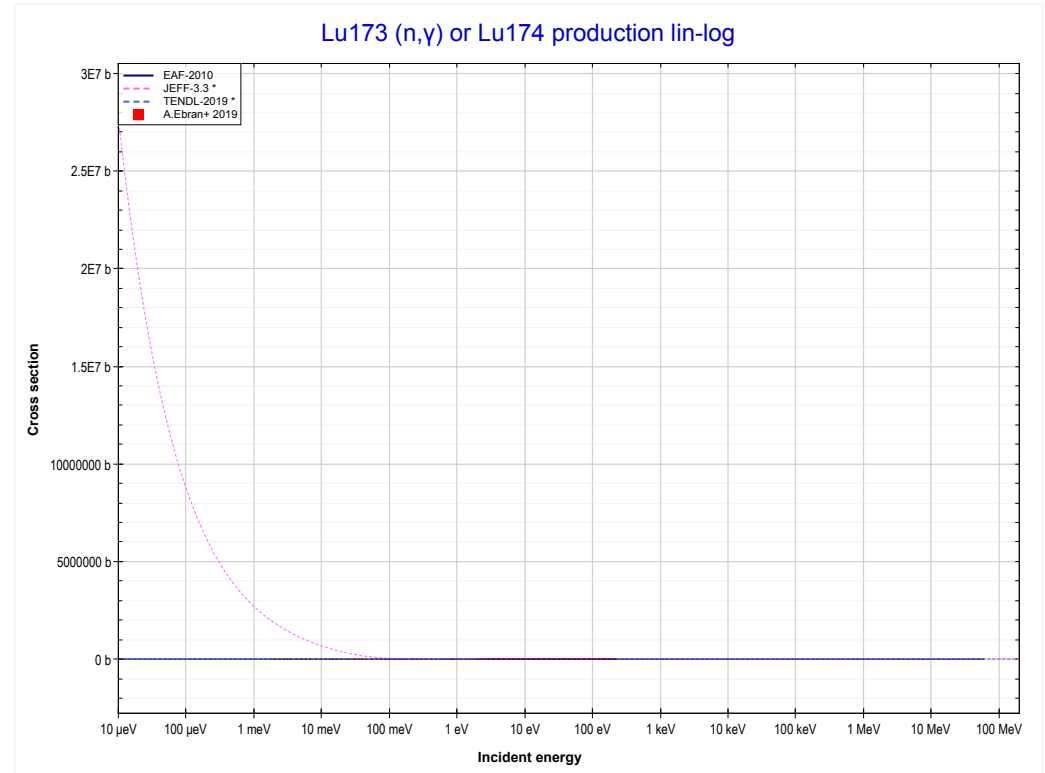
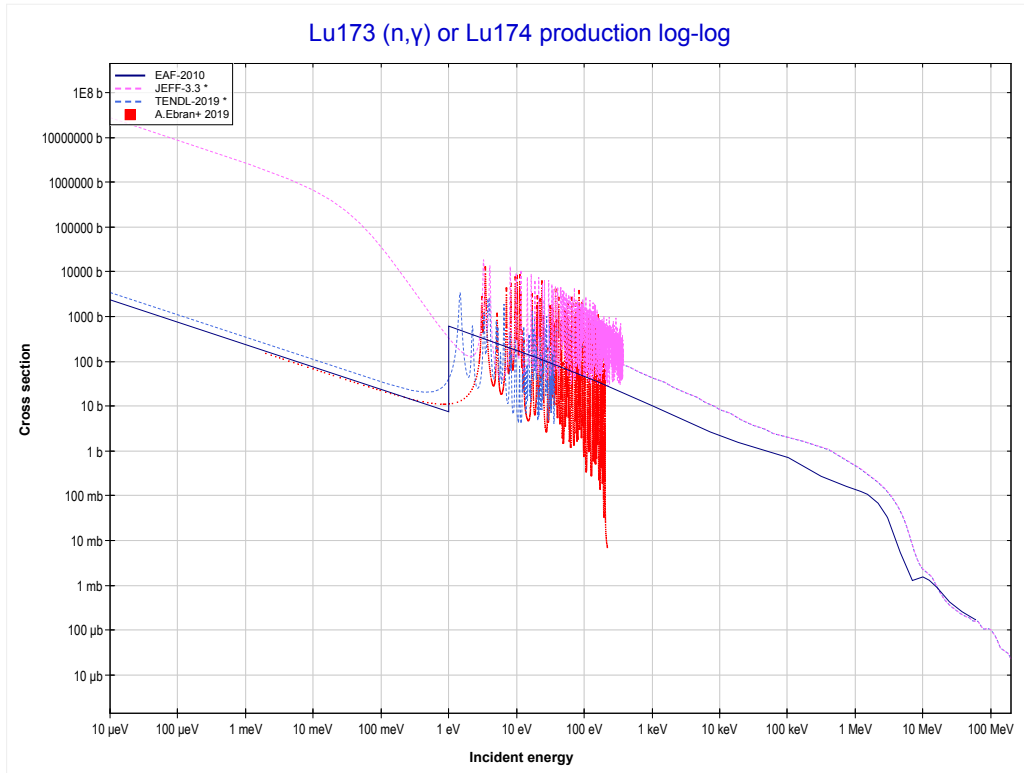
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69547E-8 b | 2.89938E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.66132E-8 b | 6.632E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.62949E-8 b | 2.26733E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.66132E-8 b | 6.632E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.66132E-8 b | 6.632E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.6139E-8 b | 2.255E-5 b |

| | | |
|----------------|--|-----------------------------------|
| << 70-Yb-174 | 70-Yb-176 | 71-Lu-175 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Er173 production) | 71-Lu-173 MT102 (n, γ) >> |



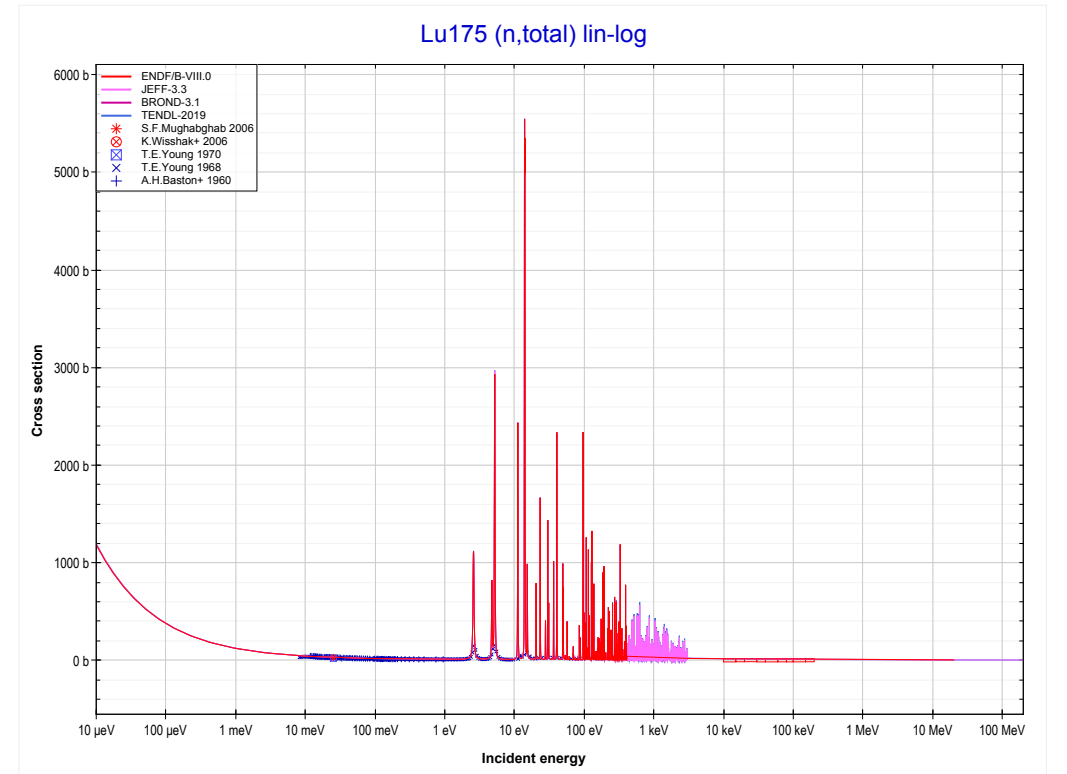
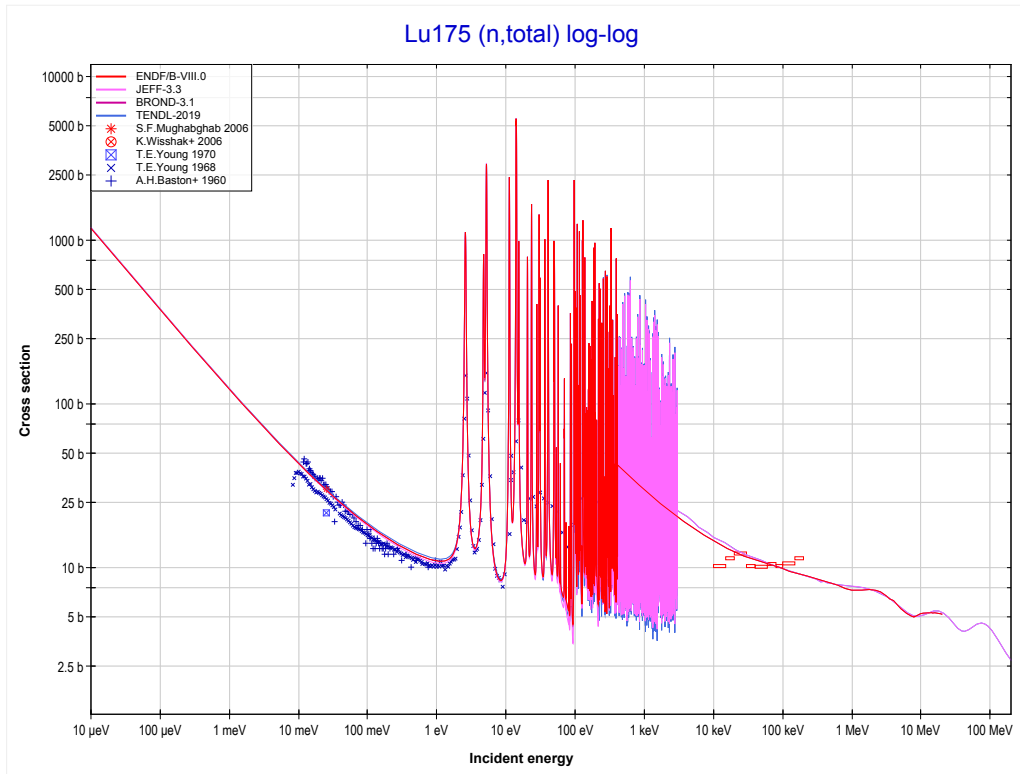
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9.98711E-7 b | 9.97962E-7 b | 9.98E-7 b | 1.00004 | 4.6239E-7 b | 1.60014E-7 b | 2.35316E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54004E-7 b | 2.044E-4 b |
| JEFF-3.3 | 1.00169E-6 b | 1.00169E-6 b | 1.002E-6 b | 1.00032 | 4.05697E-7 b | 2E-7 b | 3.183E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.54004E-7 b | 2.044E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54004E-7 b | 2.044E-4 b |
| TENDL-2019 | 1.0033E-6 b | 1.0033E-6 b | 1.0029E-6 b | 0.99956 | 4.03763E-7 b | 2.17587E-7 b | 3.854E-4 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 70-Yb-176 | 71-Lu-173 | 71-Lu-175 >> |
| << 70-Yb-176 MT107 (n, α) | MT102 (n,γ) or MT5 (Lu174 production) | 71-Lu-175 MT1 (n,total) >> |



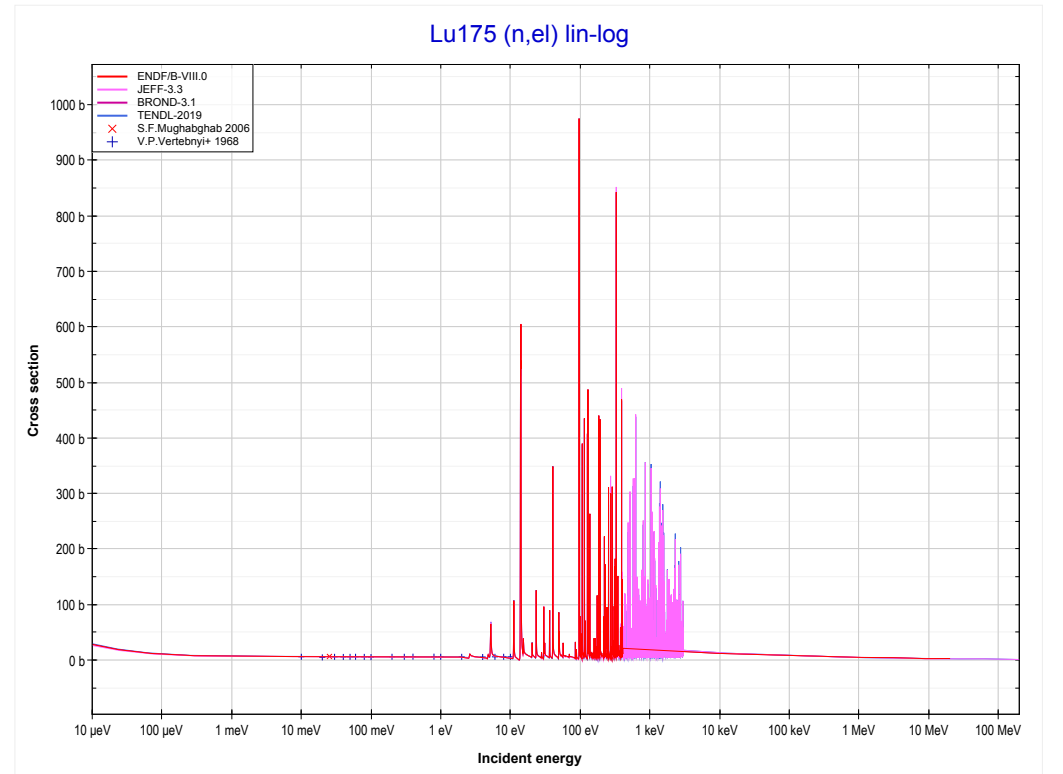
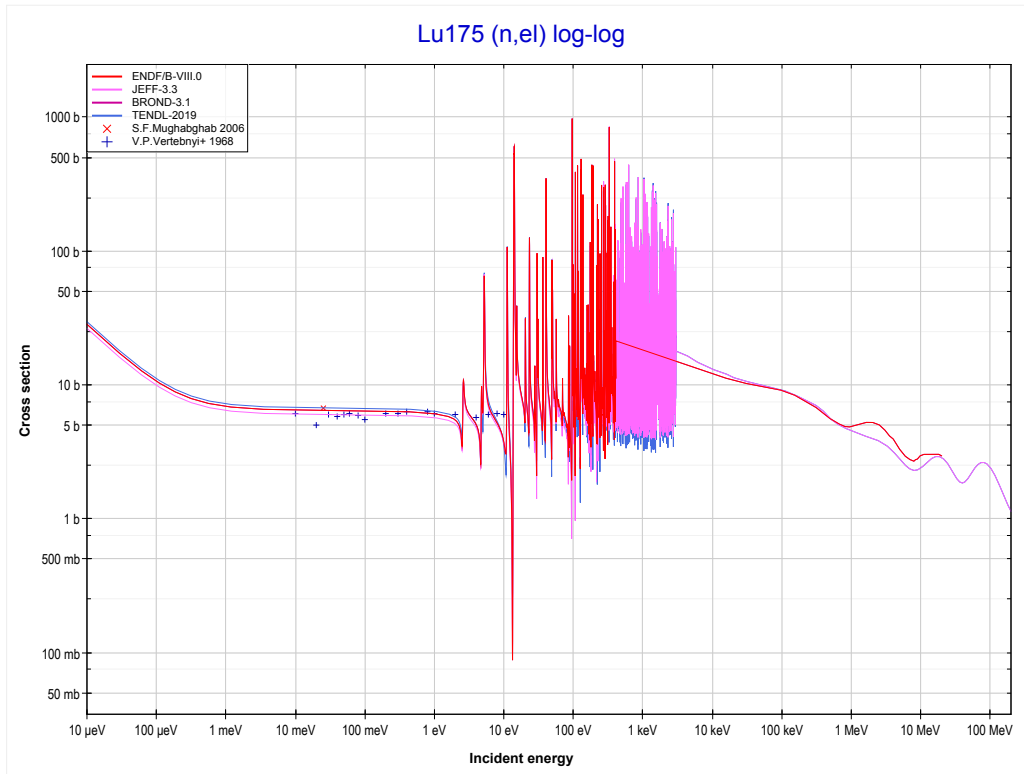
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 47.16 b | 47.1246 b | 47.128 b | 1.00006 | 1119.19 b | 0.127346 b | 0.00111 b |
| JEFF-3.3 | 282970 b | 282970 b | 264090 b | 0.93328 | 5278.84 b | 0.461633 b | 0.00141886 b |
| TENDL-2019 | 68.7534 b | 68.7534 b | 68.918 b | 1.00239 | 1625.27 b | 0.455291 b | 0.00141356 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 70-Yb-176 | 71-Lu-175 | 71-Lu-176 >> |
| << 71-Lu-173 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



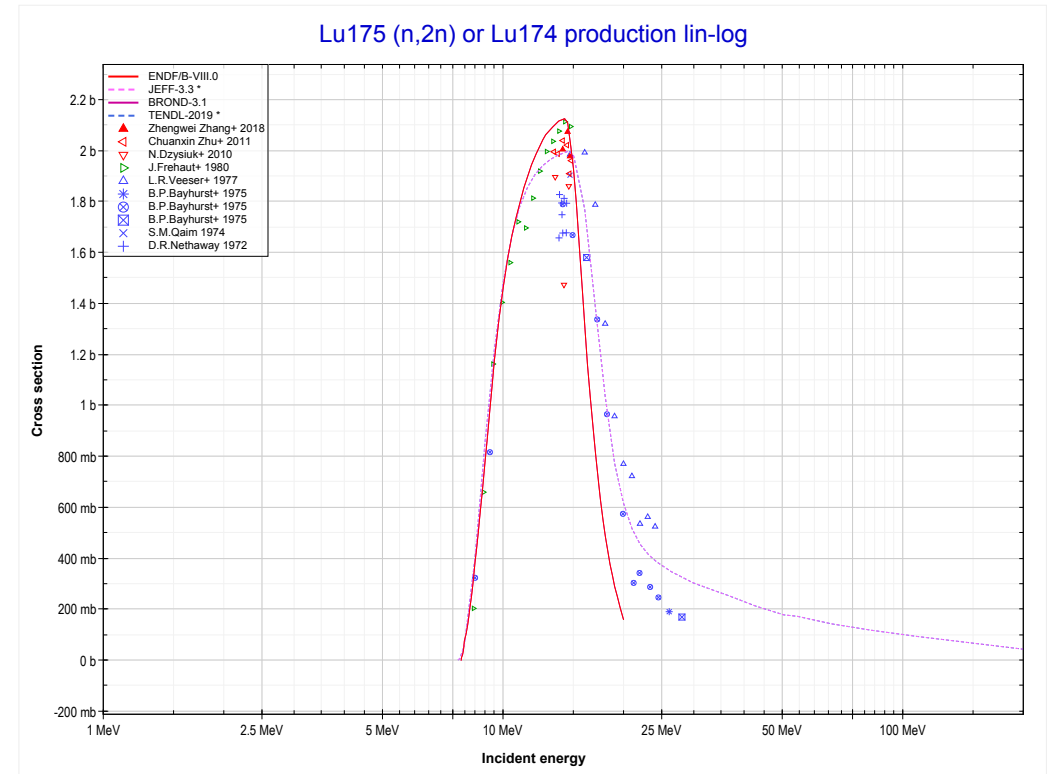
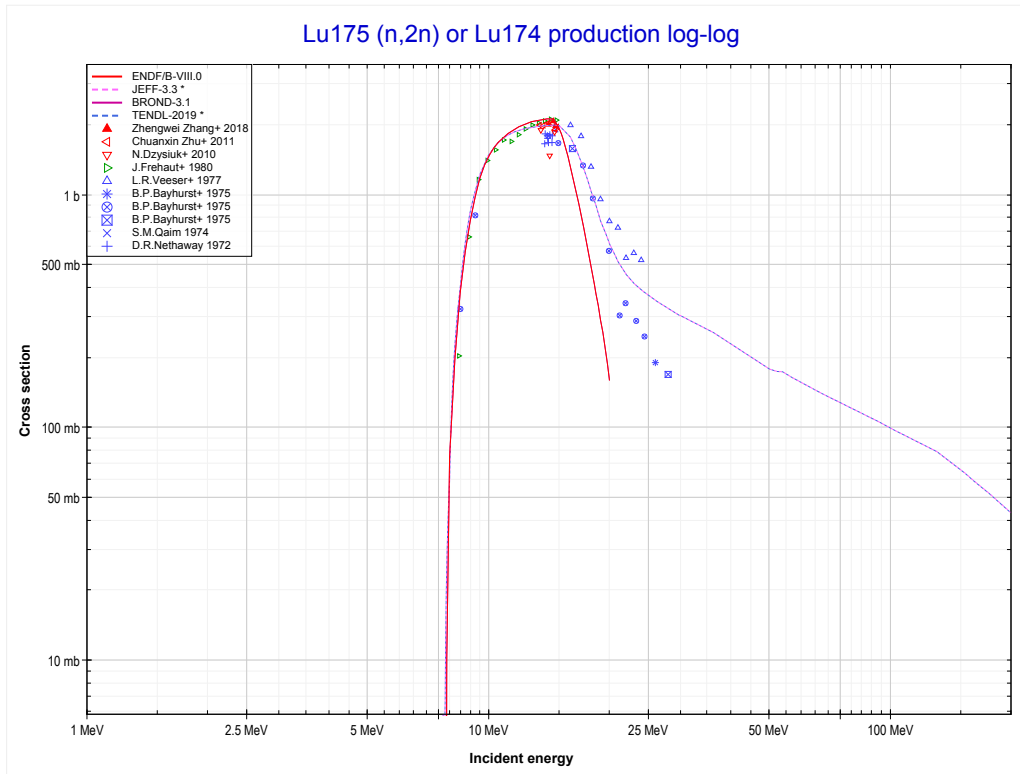
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.5157 b | 29.5157 b | 30.396 b | 1.02981 | 802.219 b | 7.22196 b | 5.2574 b |
| JEFF-3.3 | 29.2894 b | 29.2894 b | 30.117 b | 1.02824 | 800.868 b | 7.30796 b | 5.33577 b |
| BROND-3.1 | 29.5157 b | 29.5157 b | 30.396 b | 1.02981 | 802.219 b | 7.22196 b | 5.2574 b |
| TENDL-2019 | 30.0008 b | 30.0008 b | 30.914 b | 1.03043 | 803.951 b | 7.30768 b | 5.33578 b |

| | | |
|------------------|------------------------|----------------|
| << 70-Yb-176 | 71-Lu-175 | 71-Lu-176 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



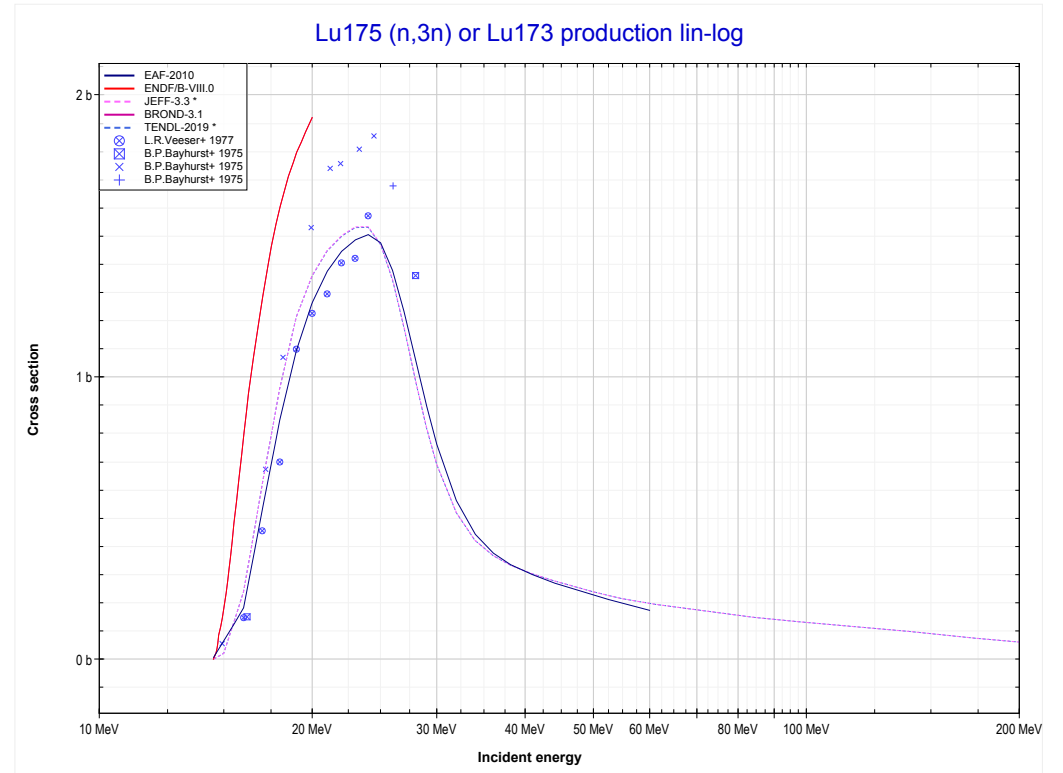
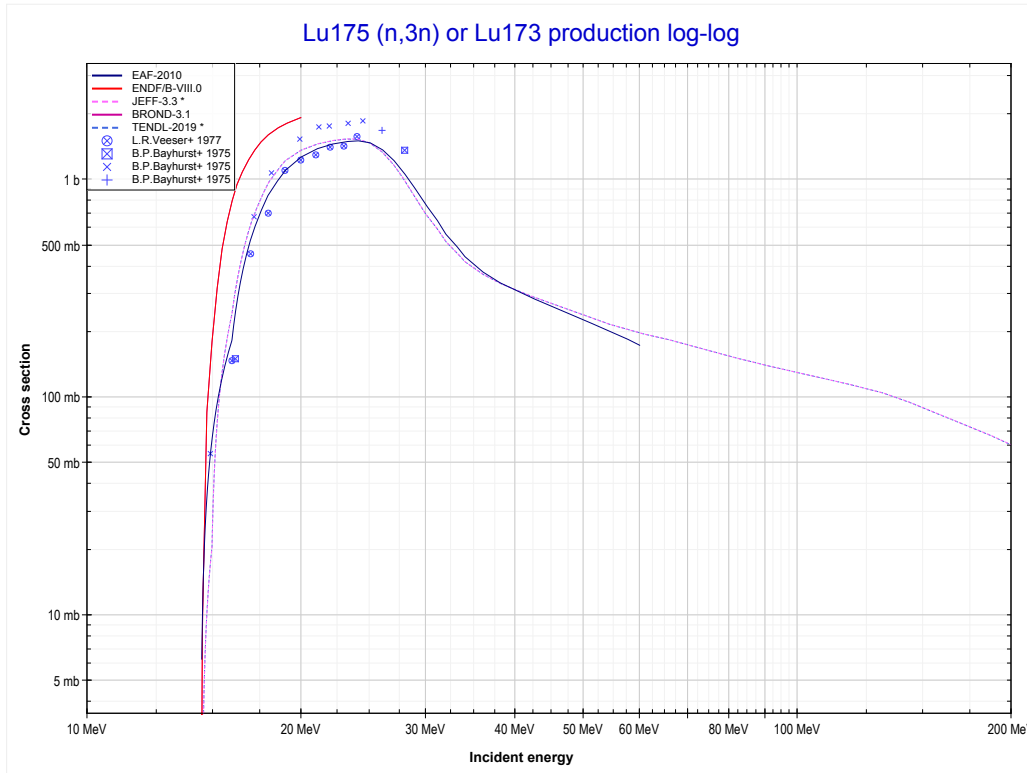
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.43601 b | 6.43601 b | 7.2533 b | 1.12699 | 181.422 b | 5.07425 b | 3.02075 b |
| JEFF-3.3 | 6.00027 b | 6.00027 b | 6.7629 b | 1.1271 | 184.471 b | 4.45486 b | 2.78503 b |
| BROND-3.1 | 6.43601 b | 6.43601 b | 7.2533 b | 1.12699 | 181.422 b | 5.07425 b | 3.02075 b |
| TENDL-2019 | 6.7286 b | 6.7286 b | 7.5835 b | 1.12705 | 184.123 b | 4.45622 b | 2.78503 b |

| | | |
|--------------------|--|----------------|
| << 70-Yb-176 | 71-Lu-175 | 72-Hf-174 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Lu174 production) | MT17 (n,3n) >> |



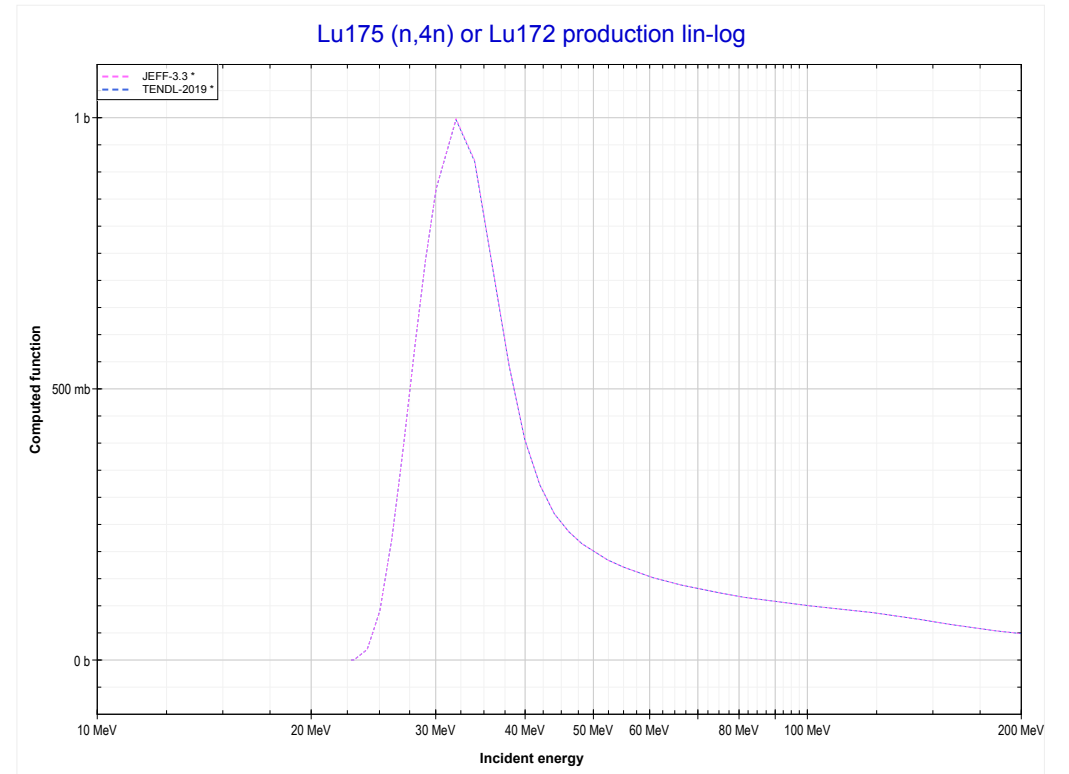
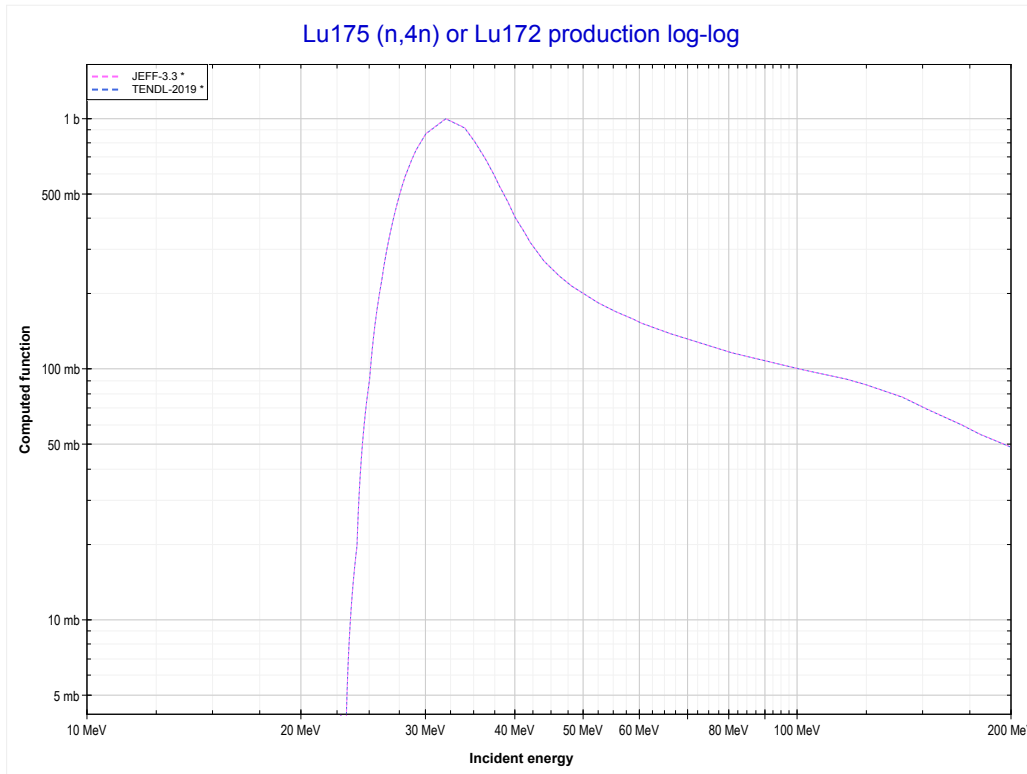
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00709366 b | 2.12 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00728807 b | 1.98783 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00709366 b | 2.12 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0073003 b | 1.98782 b |

| | | |
|----------------|--|----------------|
| << 69-Tm-169 | 71-Lu-175 | 73-Ta-181 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Lu173 production) | MT37 (n,4n) >> |



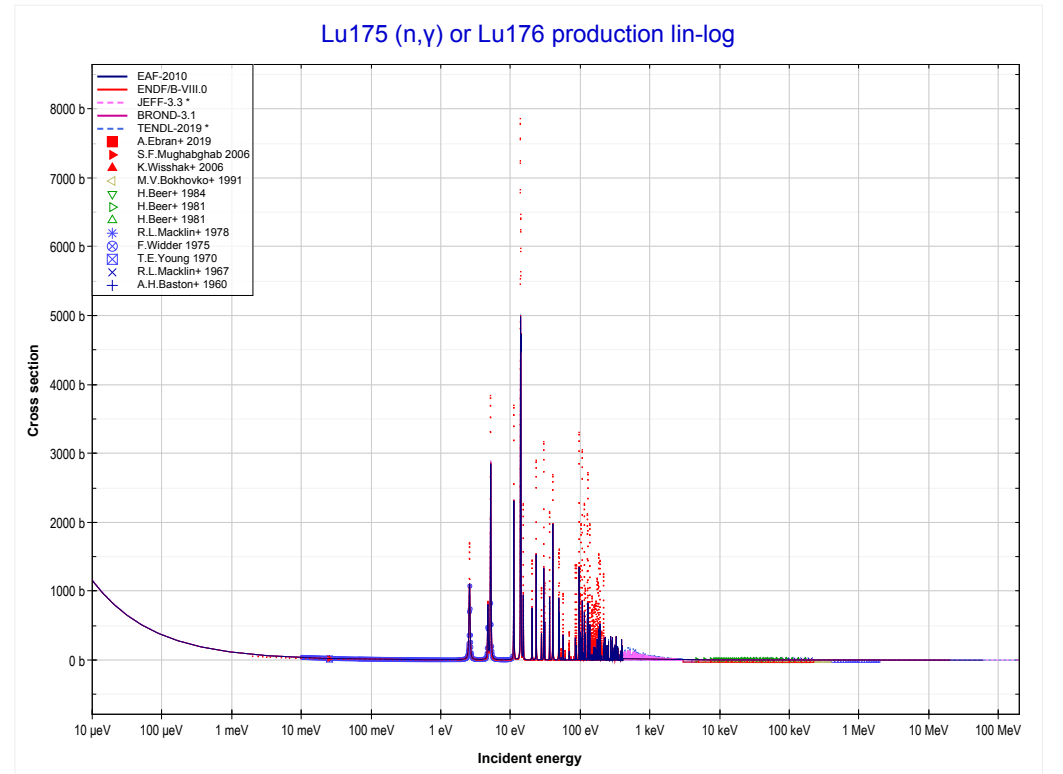
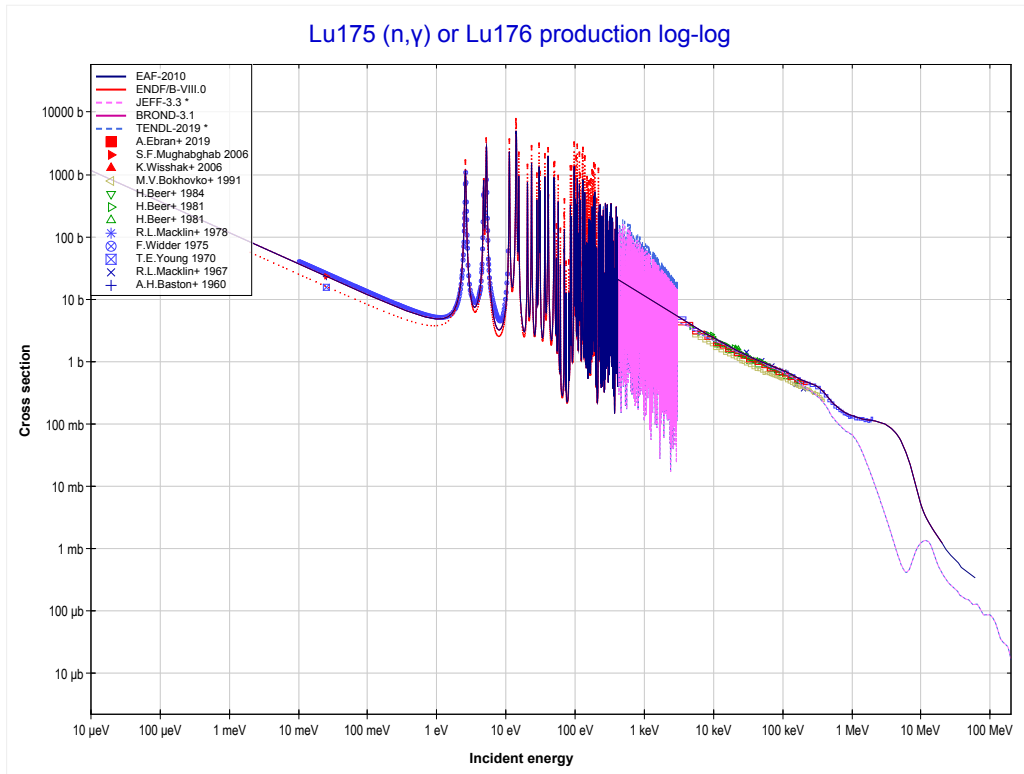
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.92246E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.93801E-5 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12689E-5 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.93801E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.12947E-5 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 69-Tm-169 | 71-Lu-175 | 73-Ta-181 >> |
| << MT17 (n,3n) | MT37 (n,4n) or MT5 (Lu172 production) | MT102 (n, γ) >> |



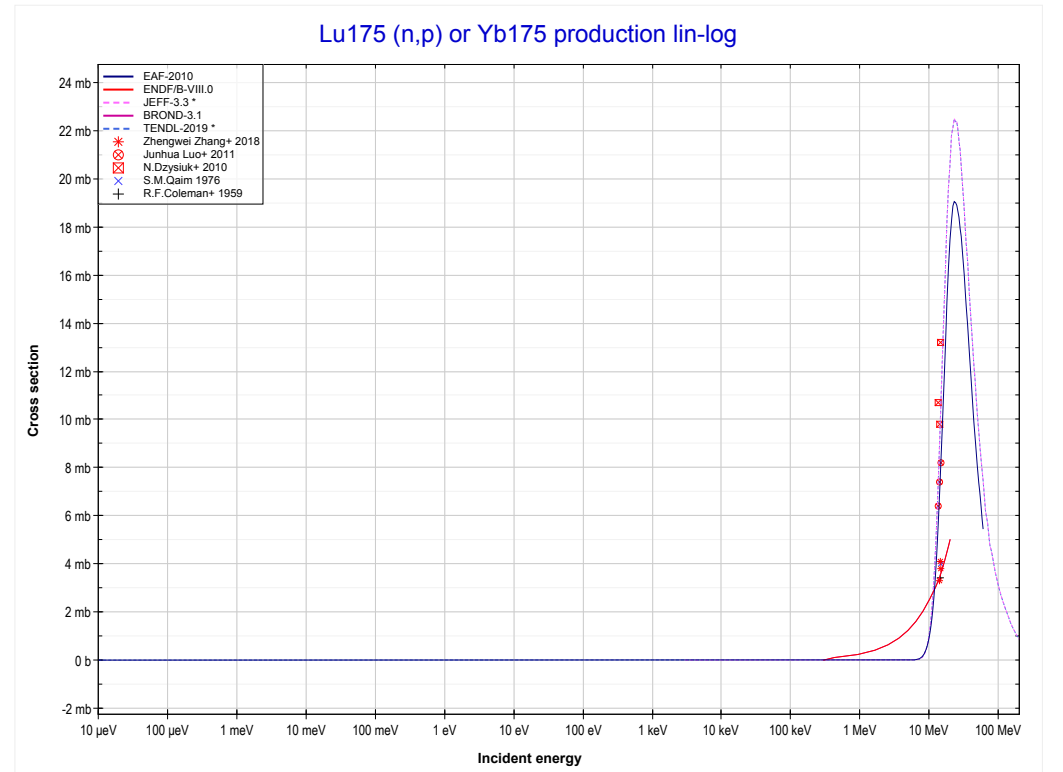
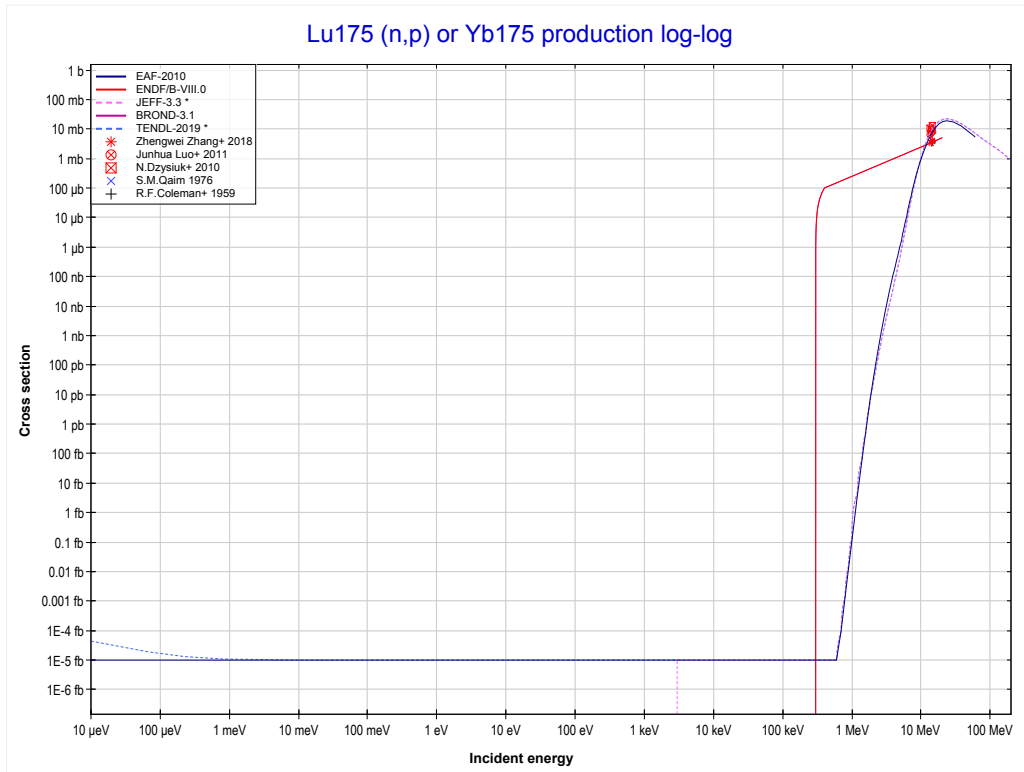
| | |
|------------------|---------------|
| Reaction | Q-Value |
| Lu175(n,4n)Lu172 | -22643.55 keV |

| | | |
|----------------|--|----------------|
| << 71-Lu-173 | 71-Lu-175 | 71-Lu-176 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Lu176 production) | MT103 (n,p) >> |



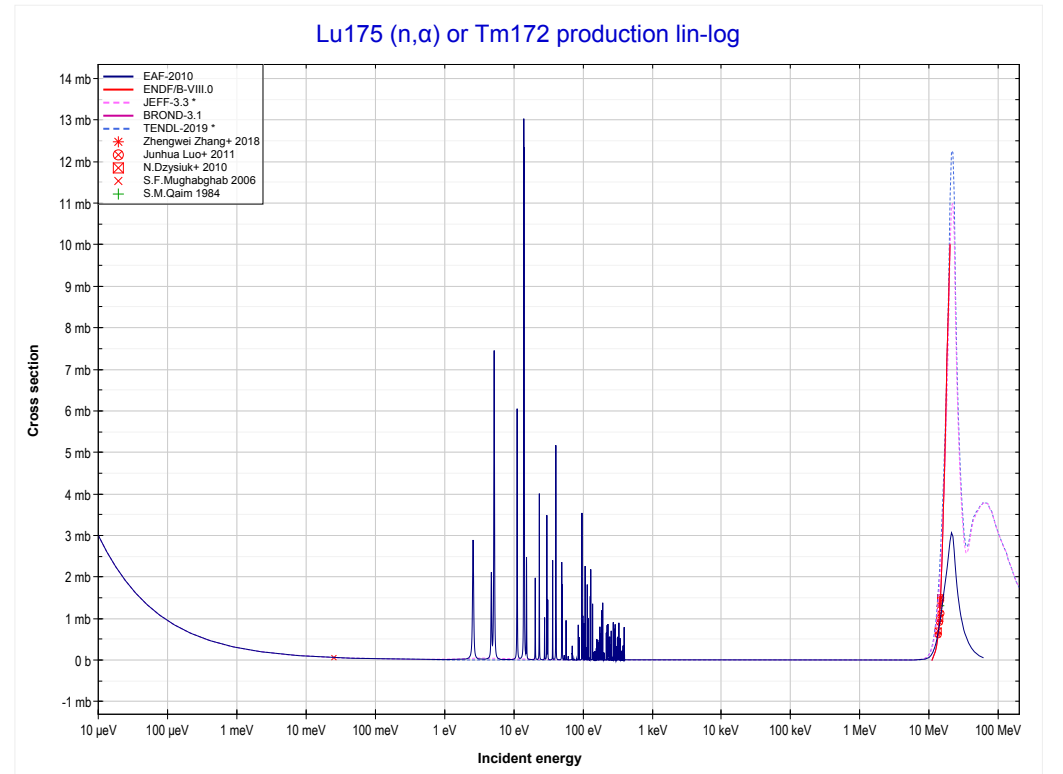
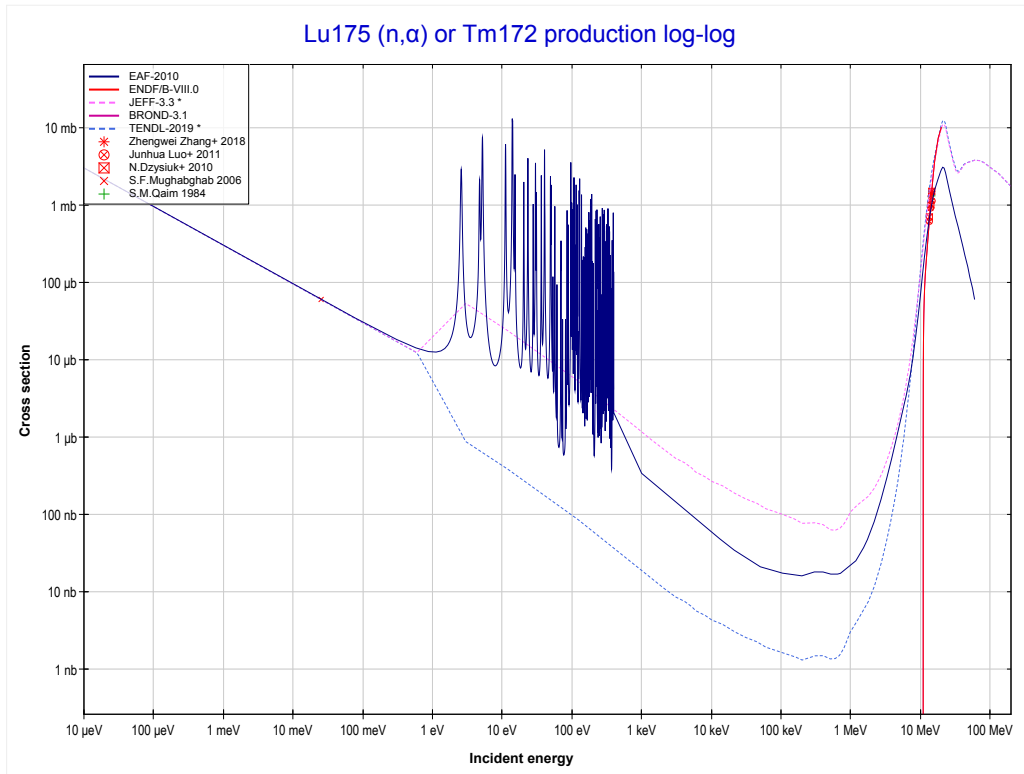
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 23.0775 b | 23.0611 b | 23.119 b | 1.00256 | 620.759 b | 0.163849 b | 0.00225969 b |
| ENDF/B-VIII.0 | 23.0797 b | 23.0797 b | 23.142 b | 1.00271 | 620.797 b | 0.163668 b | 0.00225 b |
| JEFF-3.3 | 23.289 b | 23.289 b | 23.354 b | 1.00277 | 616.397 b | 0.0810321 b | 0.00110686 b |
| BROND-3.1 | 23.0797 b | 23.0797 b | 23.142 b | 1.00271 | 620.797 b | 0.163668 b | 0.00225 b |
| TENDL-2019 | 23.2721 b | 23.2721 b | 23.33 b | 1.00249 | 619.81 b | 0.0798771 b | 0.00110635 b |

| | | |
|-------------------------|--|-------------------------|
| << 70-Yb-176 | 71-Lu-175 | 72-Hf-178 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Yb175 production) | MT107 (n, α) >> |



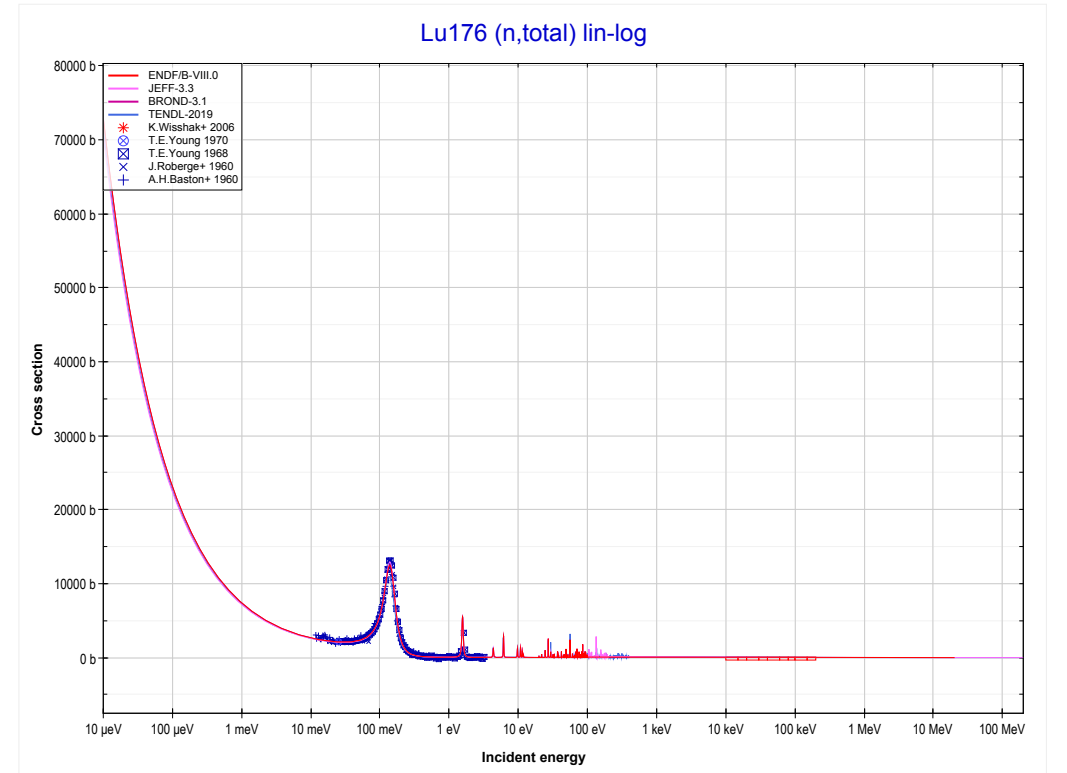
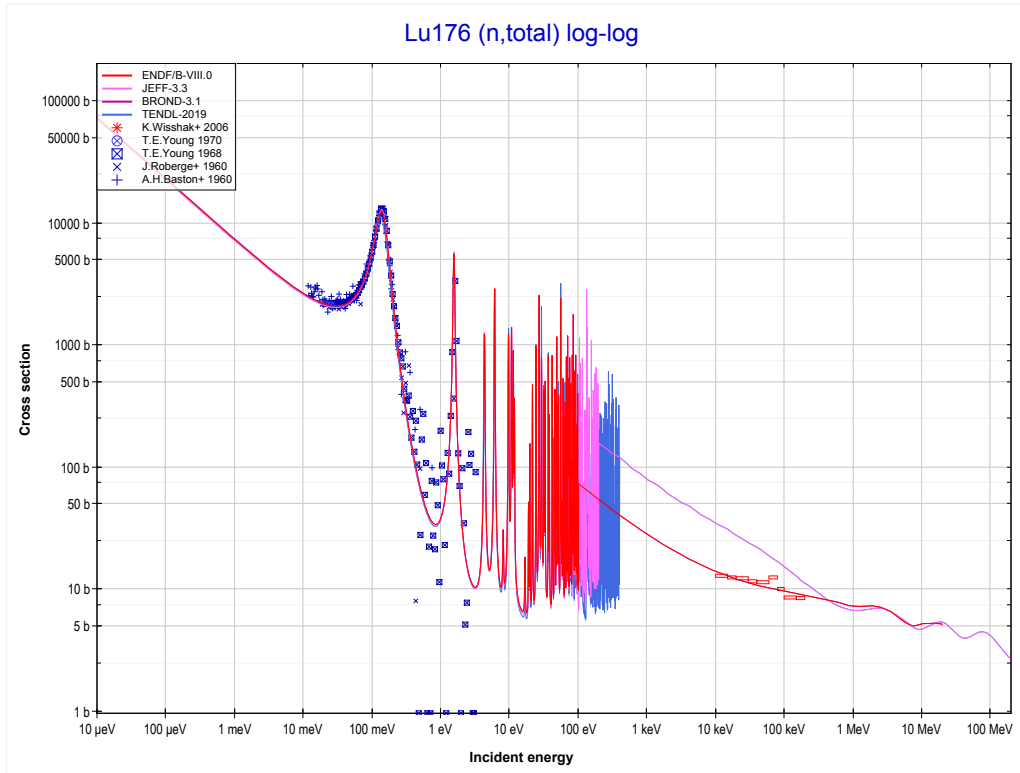
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22085E-19 b | 8.50015E-6 b | 0.00666577 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.01941E-4 b | 0.0034 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.51158E-20 b | 9.50959E-6 b | 0.00866036 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.01941E-4 b | 0.0034 b |
| TENDL-2019 | 1.0029E-20 b | 1.0029E-20 b | 1.1317E-20 b | 1.12842 | 1.22064E-19 b | 9.51977E-6 b | 0.00866464 b |

| | | |
|----------------|--|----------------------------|
| << 70-Yb-176 | 71-Lu-175 | 71-Lu-176 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Tm172 production) | 71-Lu-176 MT1 (n,total) >> |



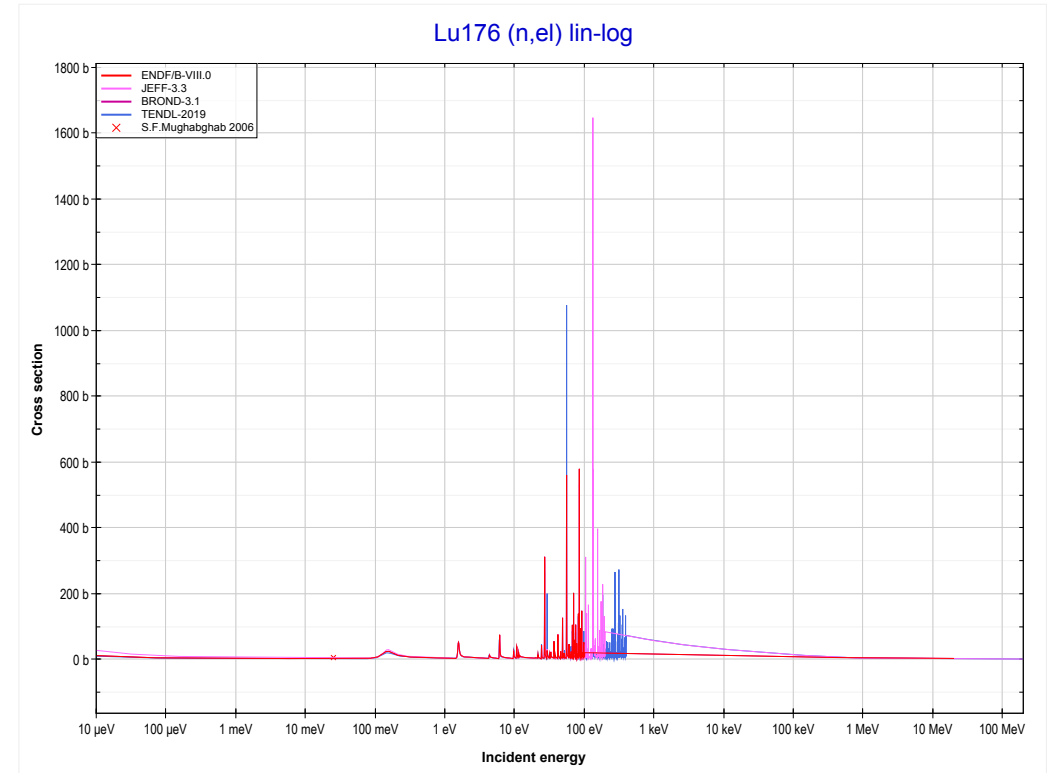
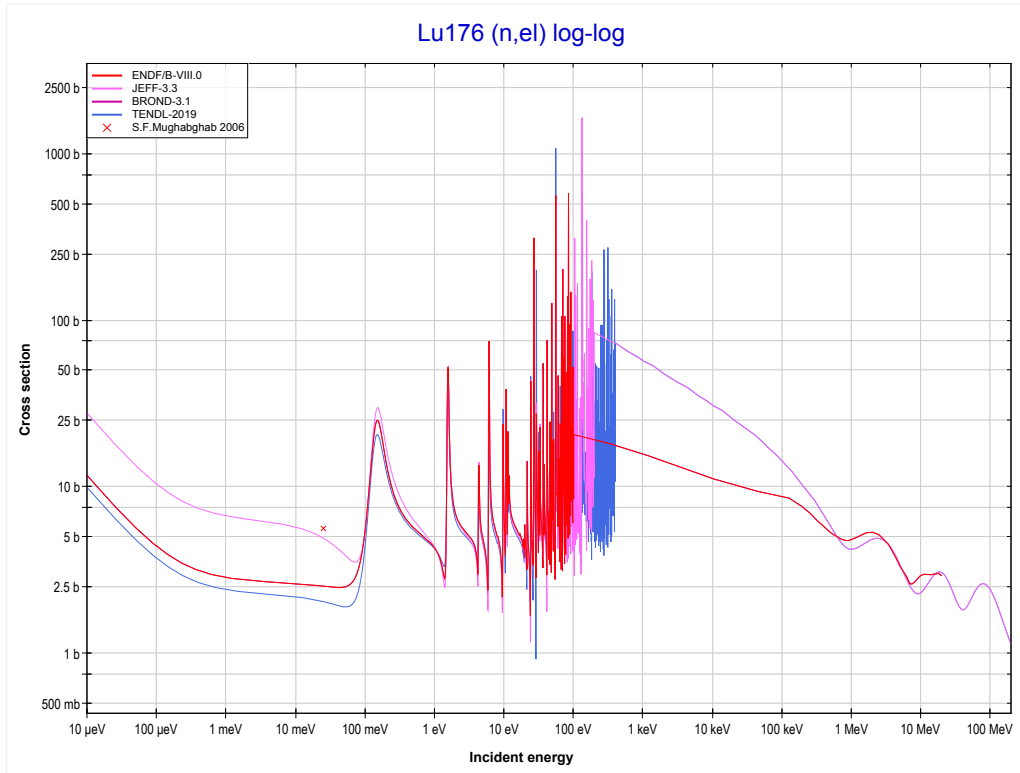
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 6E-5 b | 5.99568E-5 b | 6.0098E-5 b | 1.00239 | 0.00153514 b | 9.93481E-7 b | 8.21516E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88066E-7 b | 0.001 b |
| JEFF-3.3 | 5.96522E-5 b | 5.96522E-5 b | 5.967E-5 b | 1.0003 | 1.34385E-4 b | 1.90146E-6 b | 0.00170739 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88066E-7 b | 0.001 b |
| TENDL-2019 | 5.98629E-5 b | 5.98629E-5 b | 5.9855E-5 b | 0.99986 | 1.07719E-5 b | 1.69905E-6 b | 0.00204396 b |

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|-----------------------------------|----------------------|--------------------|
| << 71-Lu-175 | 71-Lu-176 | 72-Hf-174 >> |
| << 71-Lu-175 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



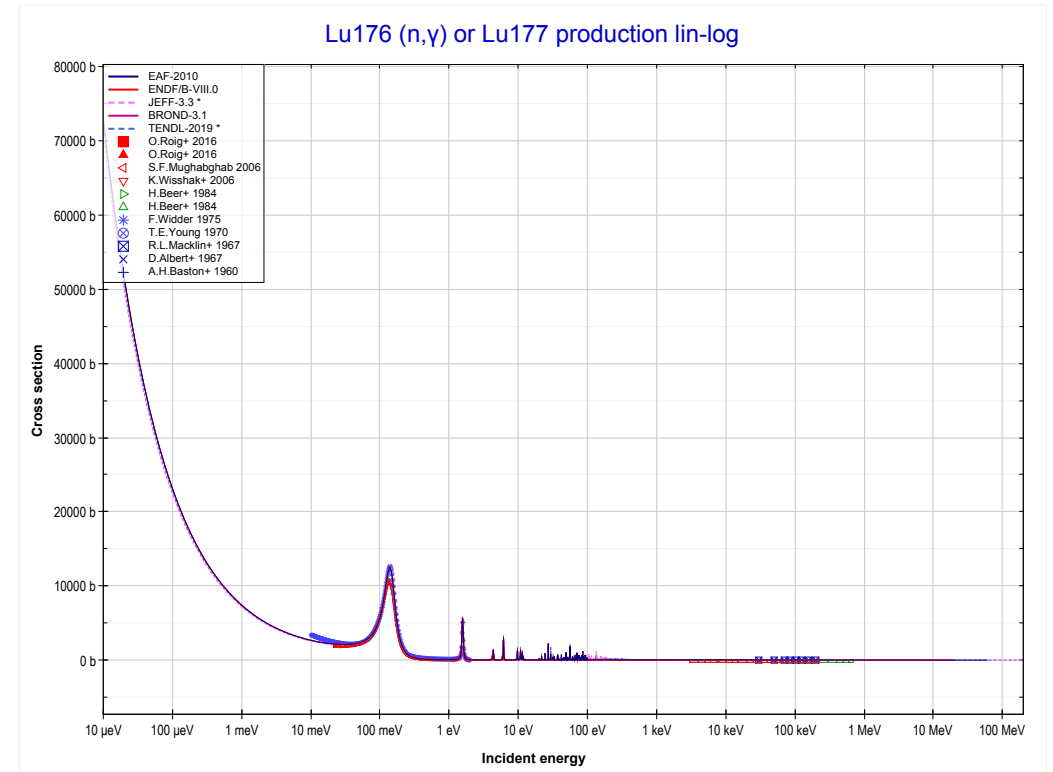
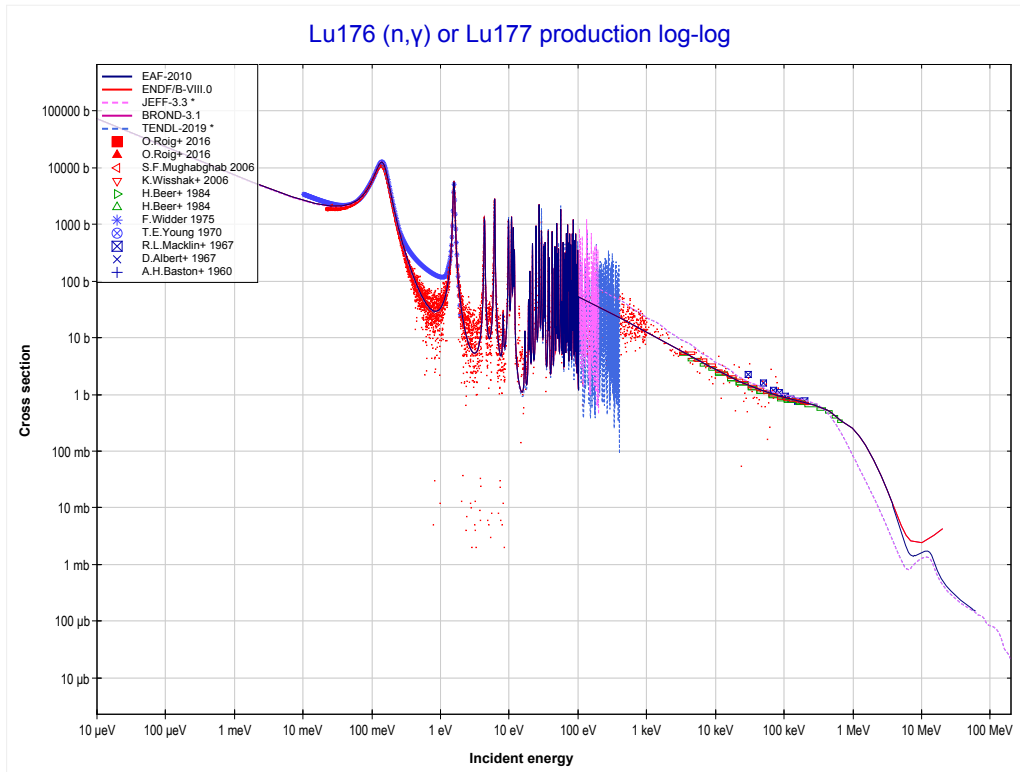
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2100.35 b | 2100.35 b | 3594.5 b | 1.71136 | 1070.86 b | 7.22542 b | 5.26 b |
| JEFF-3.3 | 2036.95 b | 2036.95 b | 3537 b | 1.73642 | 1329.7 b | 7.27423 b | 5.12456 b |
| BROND-3.1 | 2100.35 b | 2100.35 b | 3594.5 b | 1.71136 | 1070.86 b | 7.22542 b | 5.26 b |
| TENDL-2019 | 2069.86 b | 2069.86 b | 3506.7 b | 1.69416 | 1216.36 b | 7.27376 b | 5.12456 b |

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|------------------|------------------------|-------------------------|
| << 71-Lu-175 | 71-Lu-176 | 72-Hf-174 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



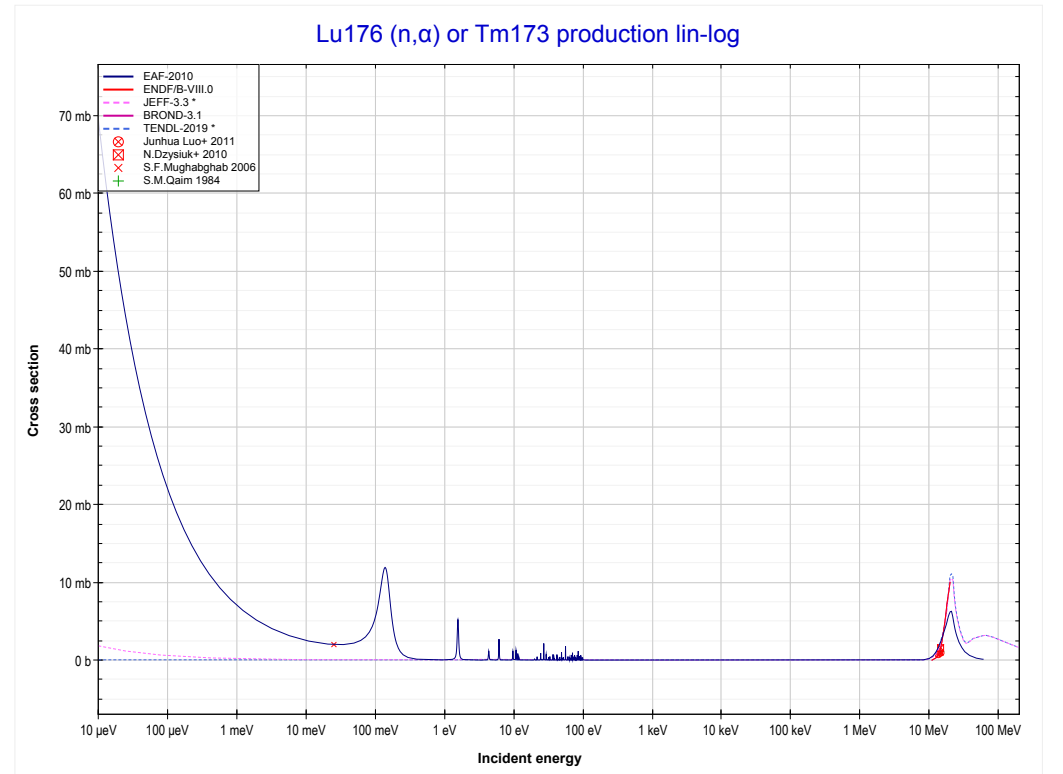
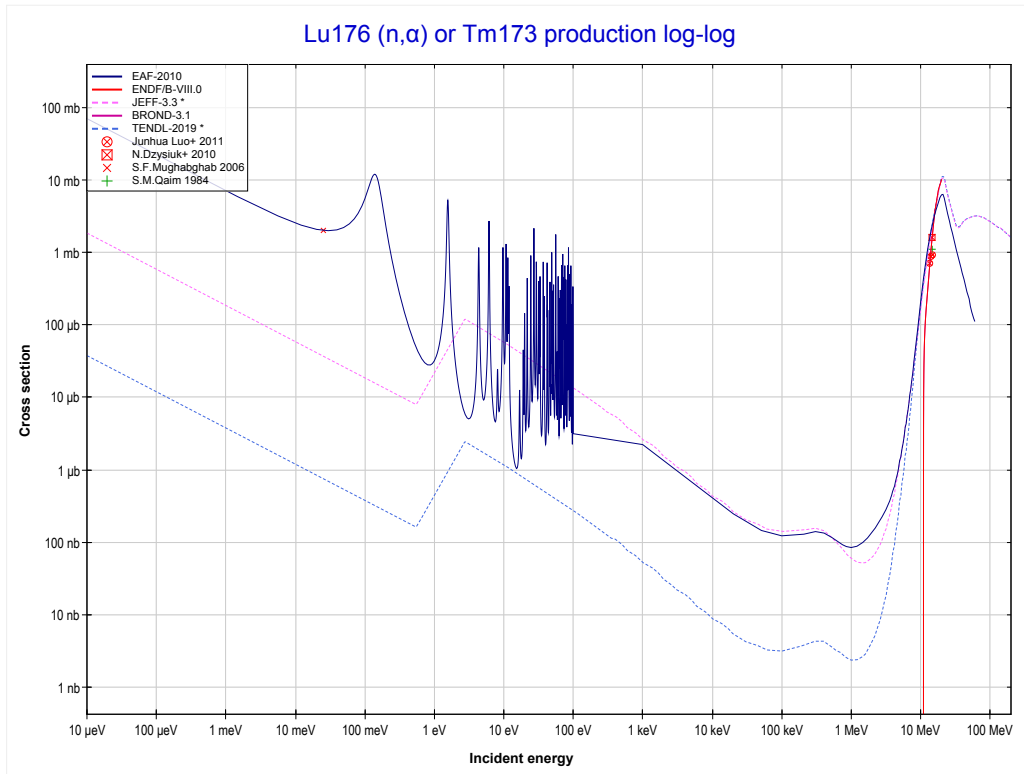
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2.51538 b | 2.51538 b | 4.2063 b | 1.67223 | 150.992 b | 5.0407 b | 2.95252 b |
| JEFF-3.3 | 4.90203 b | 4.90203 b | 6.2086 b | 1.26654 | 345.325 b | 5.13533 b | 2.7818 b |
| BROND-3.1 | 2.51538 b | 2.51538 b | 4.2063 b | 1.67223 | 150.992 b | 5.0407 b | 2.95252 b |
| TENDL-2019 | 2.03665 b | 2.03665 b | 3.385 b | 1.66206 | 286.295 b | 5.13653 b | 2.7818 b |

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|--------------------|--|-------------------------|
| << 71-Lu-175 | 71-Lu-176 | 71-Lu-177 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Lu177 production) | MT107 (n, α) >> |



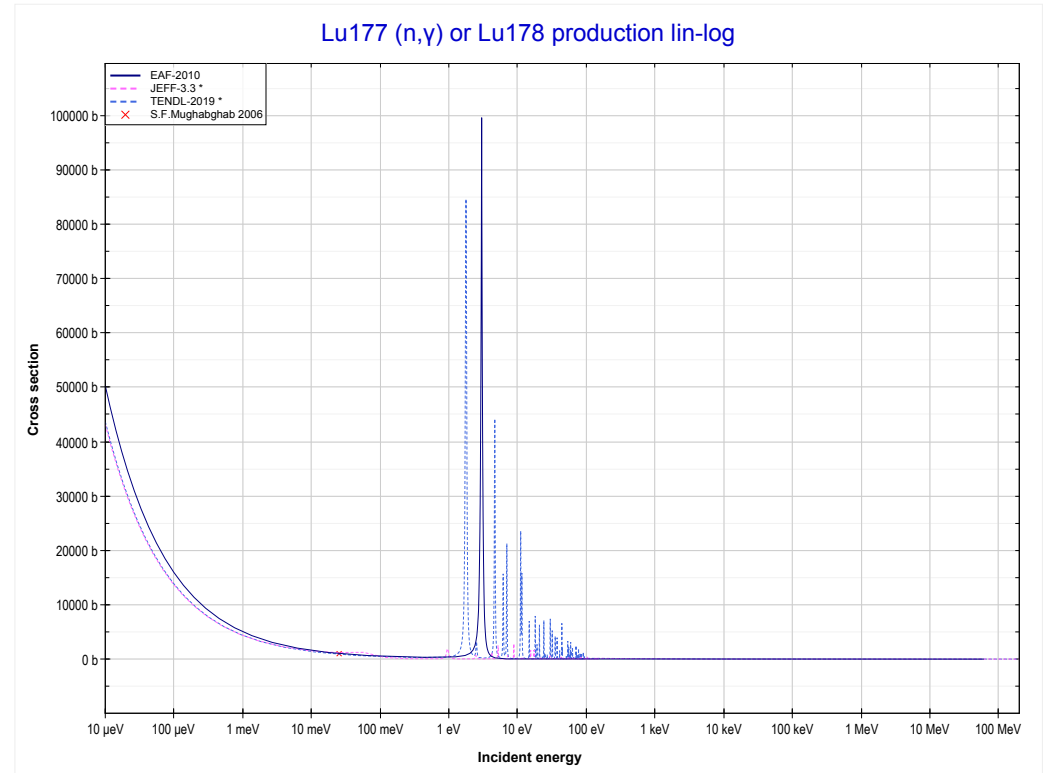
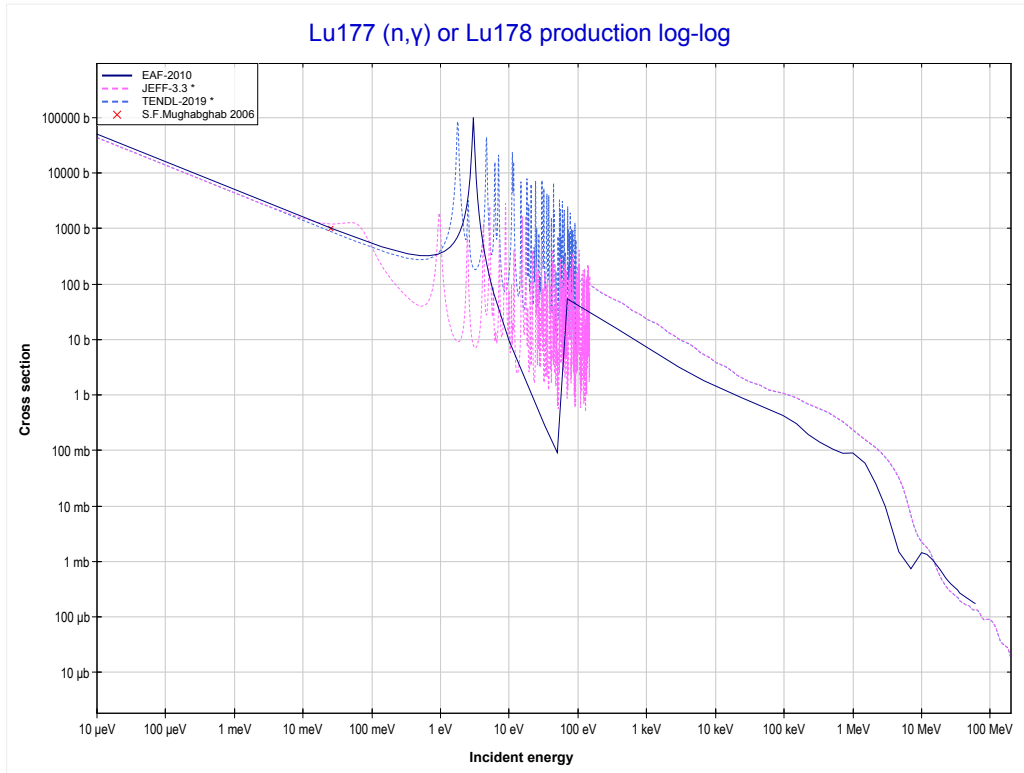
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2097.34 b | 2097.12 b | 3593.6 b | 1.71467 | 919.61 b | 0.205221 b | 0.00145942 b |
| ENDF/B-VIII.0 | 2097.83 b | 2097.83 b | 3590.2 b | 1.71141 | 919.866 b | 0.204947 b | 0.00307829 b |
| JEFF-3.3 | 2032.05 b | 2032.05 b | 3530.8 b | 1.73755 | 984.373 b | 0.146585 b | 0.00113287 b |
| BROND-3.1 | 2097.83 b | 2097.83 b | 3590.2 b | 1.71141 | 919.866 b | 0.204947 b | 0.00307829 b |
| TENDL-2019 | 2067.83 b | 2067.83 b | 3503.3 b | 1.69419 | 930.054 b | 0.145588 b | 0.00113338 b |

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|-------------------------|--|-----------------------------------|
| << 71-Lu-175 | 71-Lu-176 | 72-Hf-178 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Tm173 production) | 71-Lu-177 MT102 (n, γ) >> |



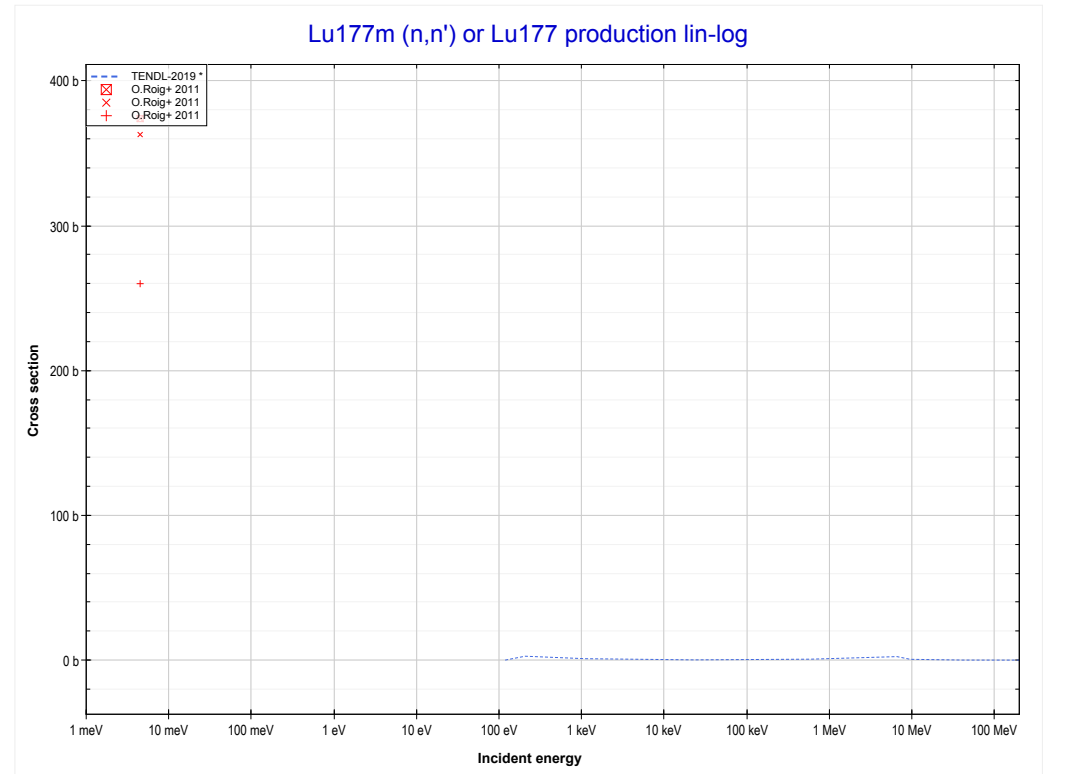
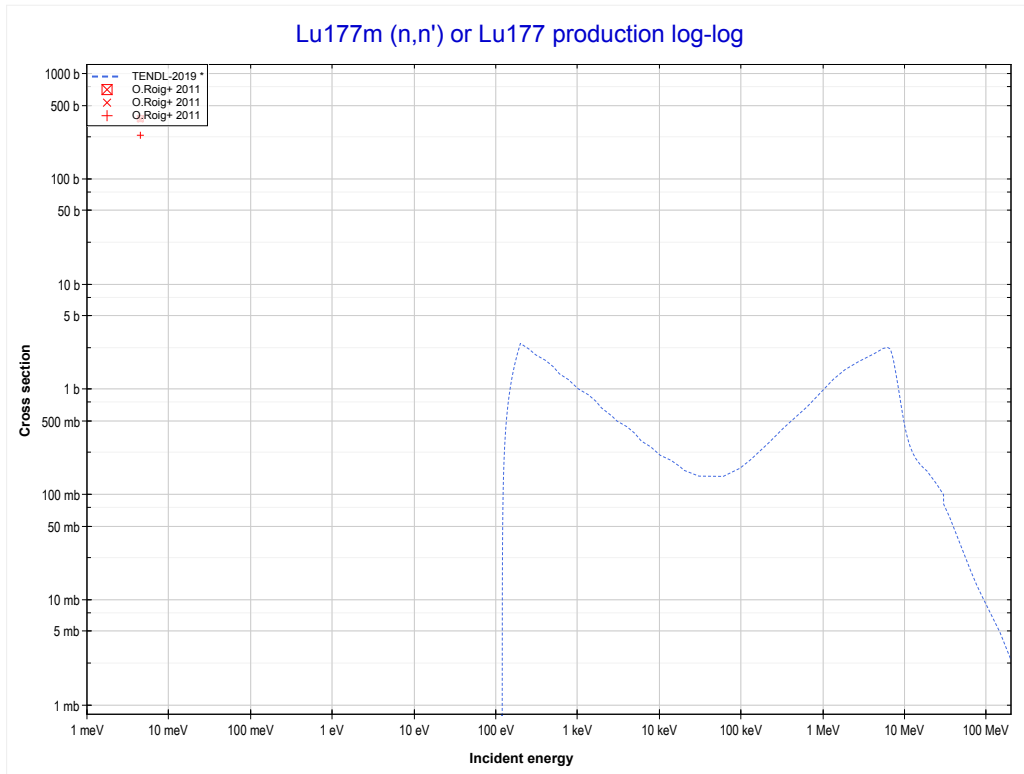
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.002 b | 0.00199974 b | 0.0034266 b | 1.71459 | 8.07078E-4 b | 2.27588E-6 b | 0.00190958 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88074E-7 b | 0.001 b |
| JEFF-3.3 | 3.65892E-5 b | 3.65892E-5 b | 3.6583E-5 b | 0.99984 | 2.67372E-4 b | 1.93949E-6 b | 0.00166944 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.88074E-7 b | 0.001 b |
| TENDL-2019 | 7.49084E-7 b | 7.49084E-7 b | 7.4889E-7 b | 0.99974 | 5.43045E-6 b | 1.82452E-6 b | 0.00189667 b |

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|-----------------------------------|--|--------------------------|
| << 71-Lu-176 | 71-Lu-177 | 71-Lu-177m >> |
| << 71-Lu-176 MT107 (n, α) | MT102 (n,γ) or MT5 (Lu178 production) | 71-Lu-177m MT4 (n,n') >> |



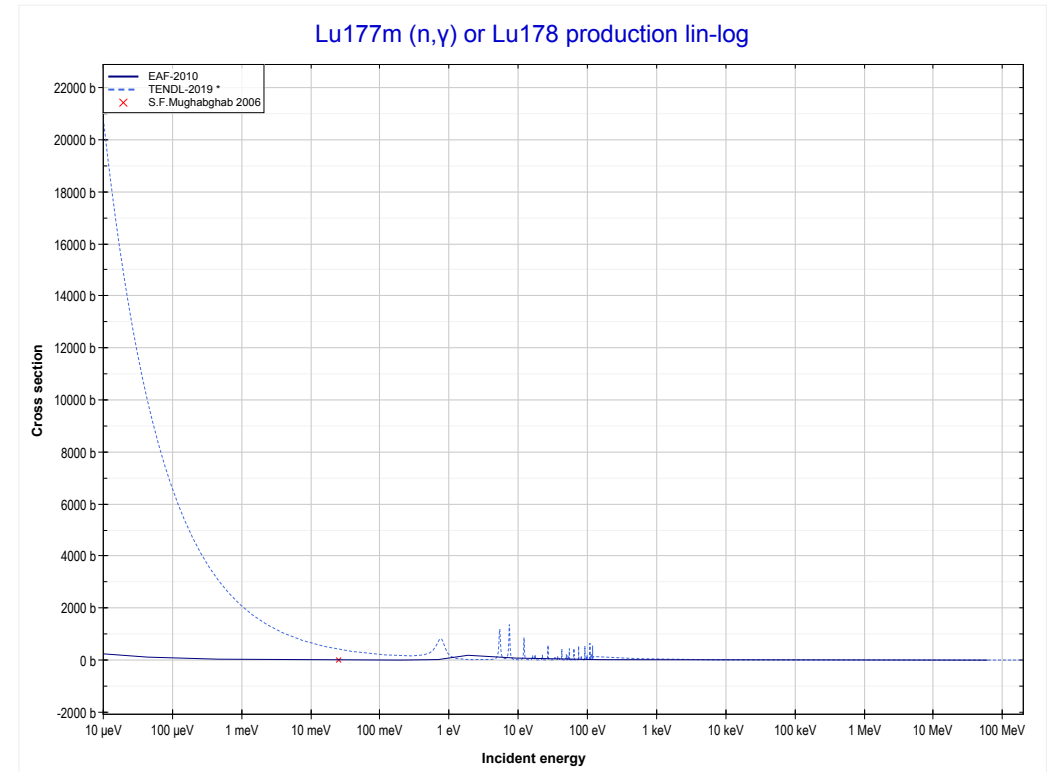
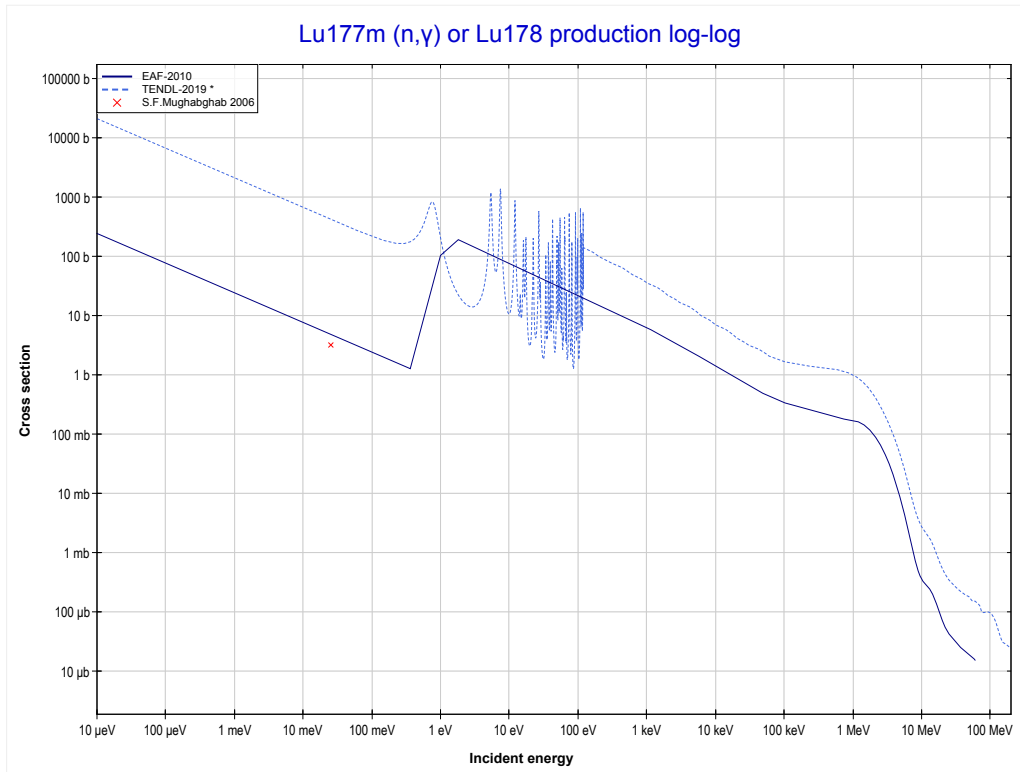
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1018.47 b | 1017.73 b | 1027.9 b | 1.01001 | 9296.84 b | 0.0682752 b | 0.00112 b |
| JEFF-3.3 | 1197.8 b | 1197.8 b | 1269.2 b | 1.05957 | 786.378 b | 0.233418 b | 0.00130391 b |
| TENDL-2019 | 877.094 b | 877.094 b | 882.41 b | 1.00606 | 12765.2 b | 0.229518 b | 0.00129697 b |

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|-----------------------------------|---|-------------------------|
| << 70-Yb-176 | 71-Lu-177m | 72-Hf-178 >> |
| << 71-Lu-177 MT102 (n, γ) | MT4 (n,n') or MT5 (Lu177 production) | MT102 (n, γ) >> |



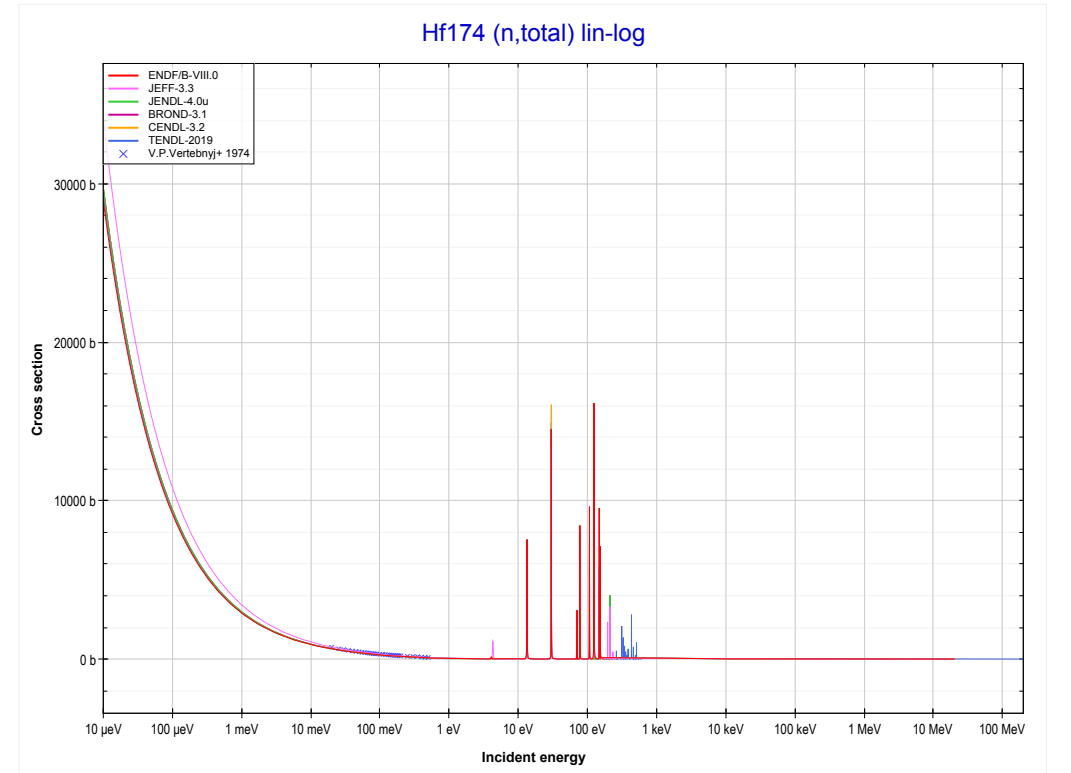
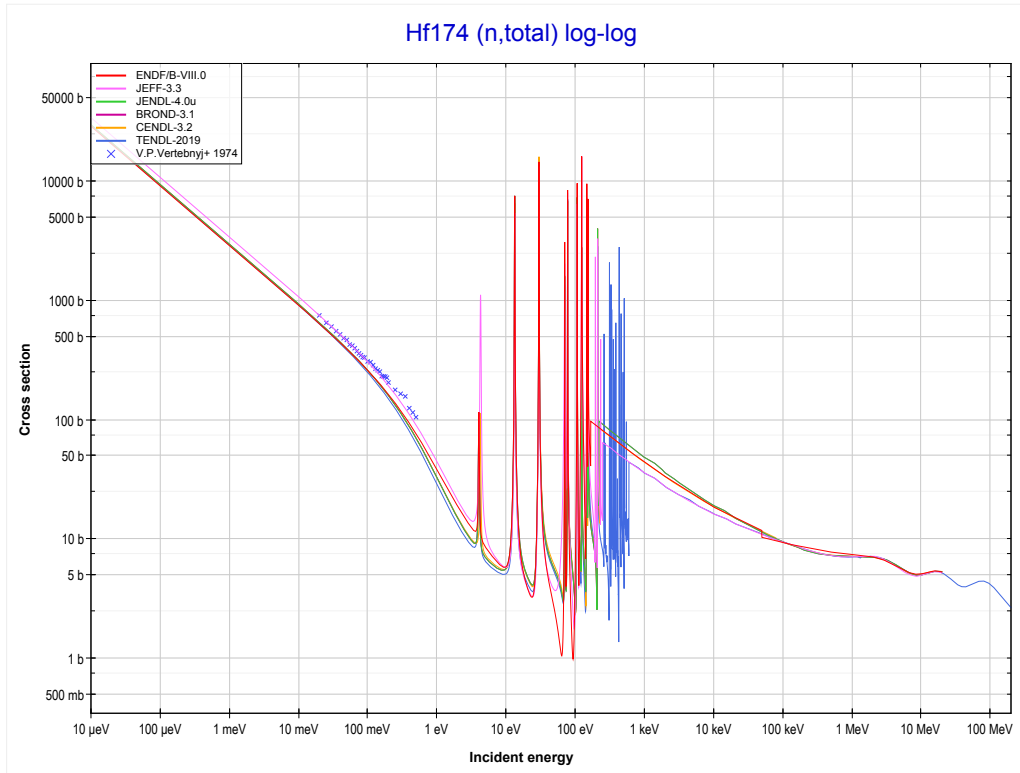
| Reaction | Q-Value |
|------------------|------------|
| Lu177m(n,n)Lu177 | 150.40 keV |

| | | |
|---------------|--|----------------------------|
| << 71-Lu-177 | 71-Lu-177m | 72-Hf-174 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Lu178 production) | 72-Hf-174 MT1 (n,total) >> |



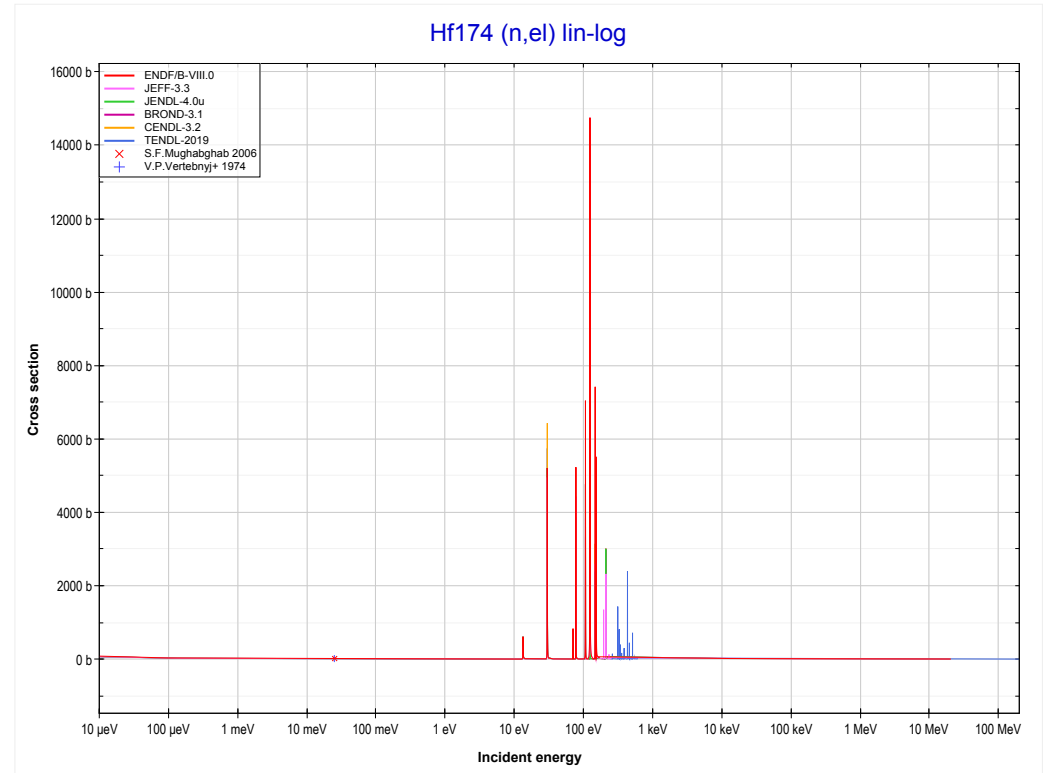
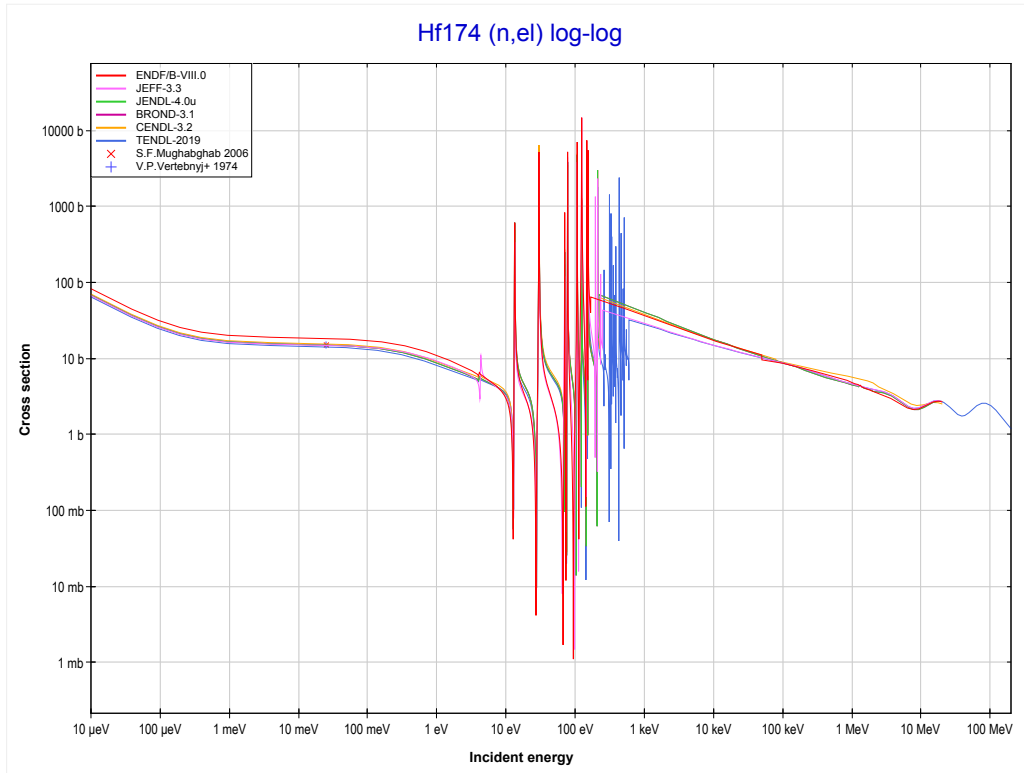
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.8 b | 4.7964 b | 4.797 b | 1.00013 | 456.494 b | 0.126916 b | 2.15755E-4 b |
| TENDL-2019 | 415.455 b | 415.455 b | 417.98 b | 1.00607 | 925.01 b | 0.695731 b | 0.0015287 b |

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|------------------------------------|----------------------|--------------------|
| << 71-Lu-176 | 72-Hf-174 | 72-Hf-176 >> |
| << 71-Lu-177m MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



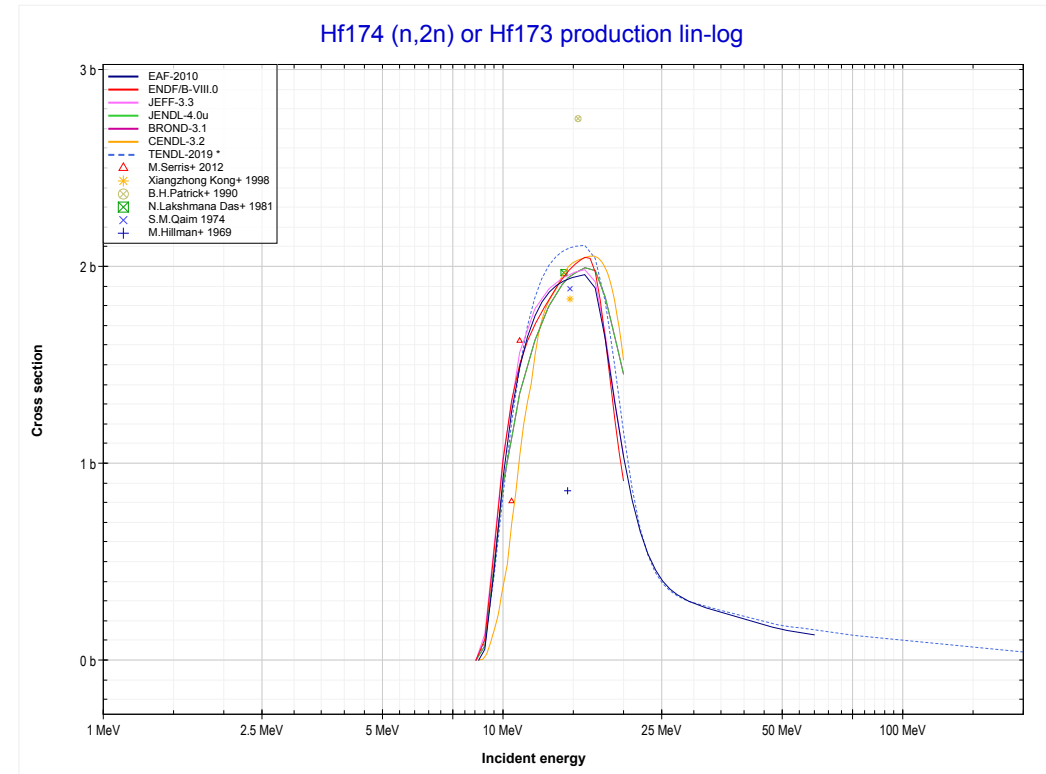
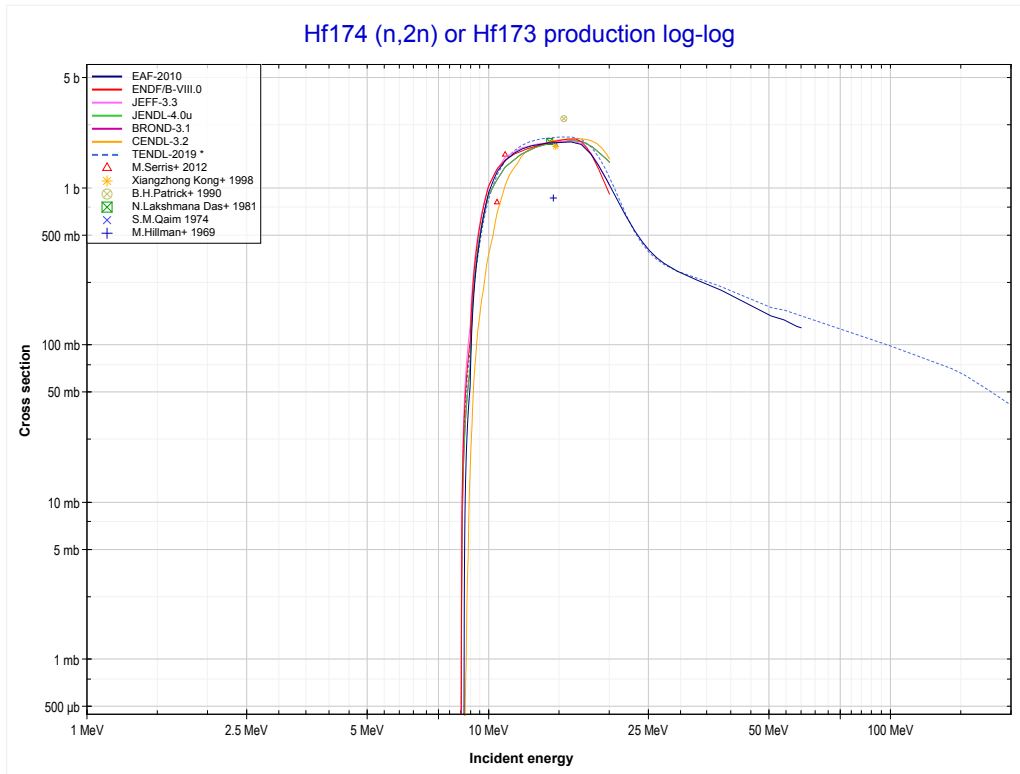
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 566.509 b | 566.509 b | 557.93 b | 0.98486 | 1025.31 b | 7.13715 b | 5.33911 b |
| JEFF-3.3 | 666.337 b | 666.337 b | 656.65 b | 0.98546 | 934.855 b | 6.98444 b | 5.26272 b |
| JENDL-4.0u | 577.3 b | 577.3 b | 566.9 b | 0.98199 | 756.459 b | 7.01415 b | 5.27 b |
| BROND-3.1 | 577.3 b | 577.3 b | 566.9 b | 0.98199 | 756.459 b | 7.01415 b | 5.27 b |
| CENDL-3.2 | 577.174 b | 577.174 b | 566.63 b | 0.98173 | 733.704 b | 7.00845 b | 5.3337 b |
| TENDL-2019 | 563.323 b | 563.323 b | 551.58 b | 0.97916 | 651.674 b | 6.9983 b | 5.28617 b |

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|------------------|------------------------|----------------|
| << 71-Lu-176 | 72-Hf-174 | 72-Hf-176 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



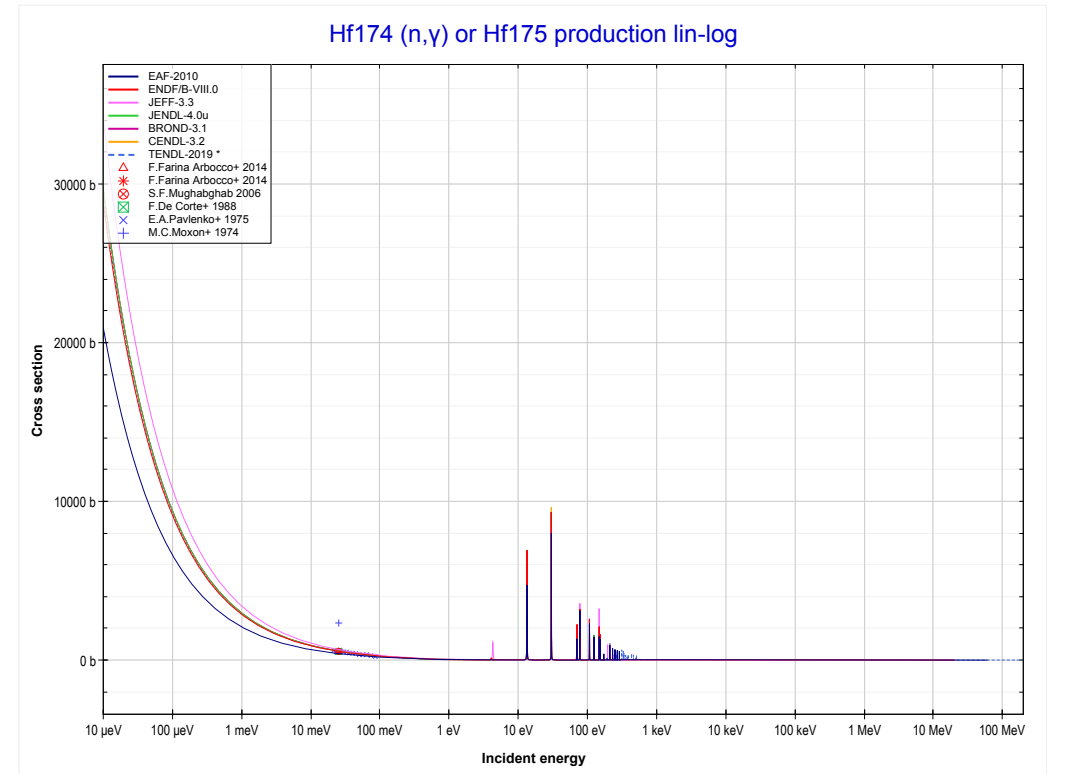
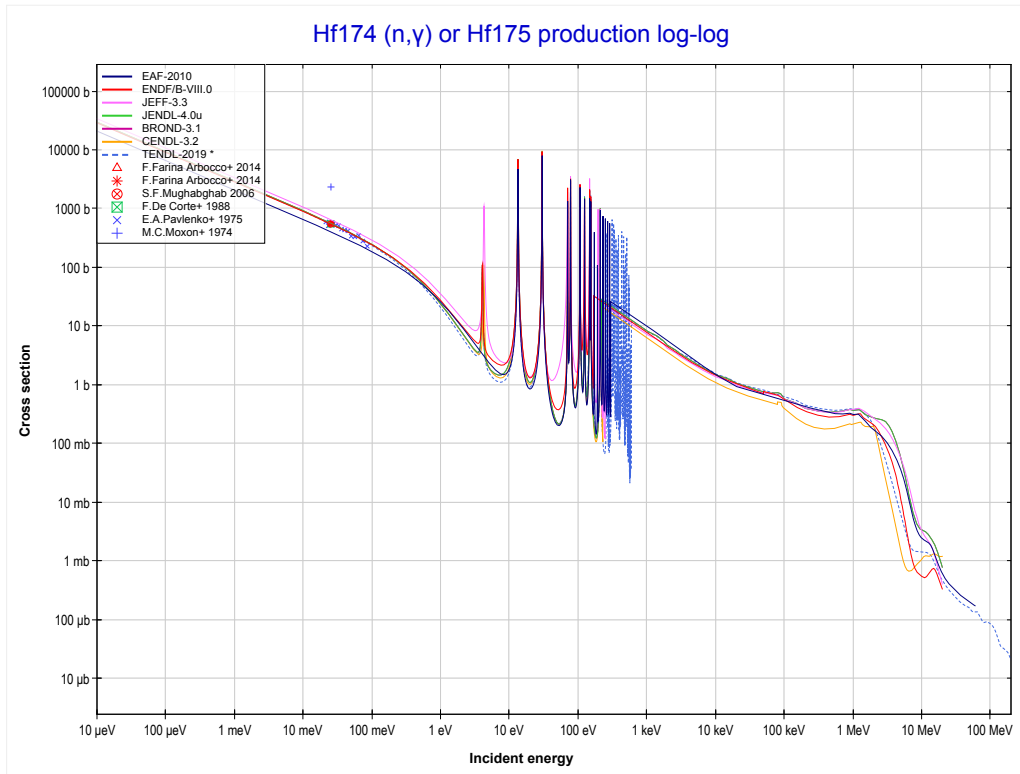
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 18.3312 b | 18.3312 b | 20.279 b | 1.10628 | 609.342 b | 4.35283 b | 2.60561 b |
| JEFF-3.3 | 14.8986 b | 14.8986 b | 16.516 b | 1.10856 | 485.383 b | 4.40124 b | 2.6698 b |
| JENDL-4.0u | 15.0222 b | 15.0222 b | 16.581 b | 1.10379 | 373.829 b | 4.27871 b | 2.56288 b |
| BROND-3.1 | 15.0222 b | 15.0222 b | 16.581 b | 1.10379 | 373.829 b | 4.27871 b | 2.56288 b |
| CENDL-3.2 | 15.5546 b | 15.5546 b | 17.177 b | 1.10428 | 379.147 b | 5.10406 b | 2.6118 b |
| TENDL-2019 | 14.2098 b | 14.2098 b | 15.657 b | 1.10186 | 318.352 b | 4.38788 b | 2.66982 b |

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|--------------------|--|-------------------------|
| << 71-Lu-175 | 72-Hf-174 | 72-Hf-176 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Hf173 production) | MT102 (n, γ) >> |



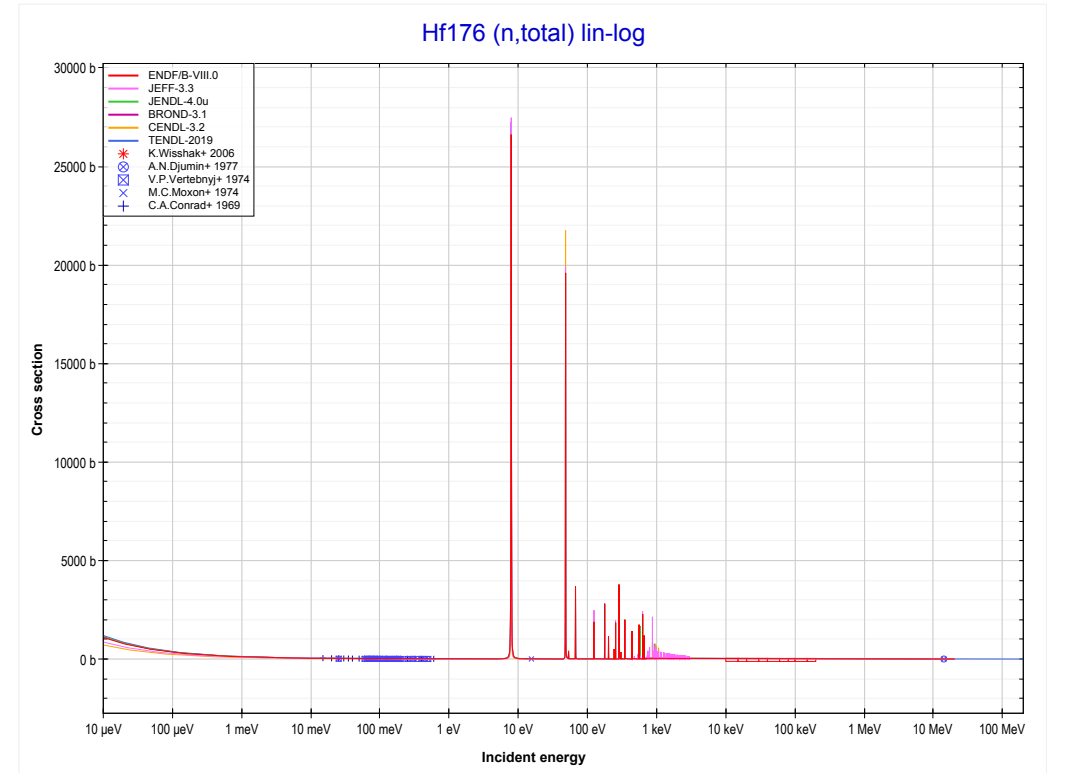
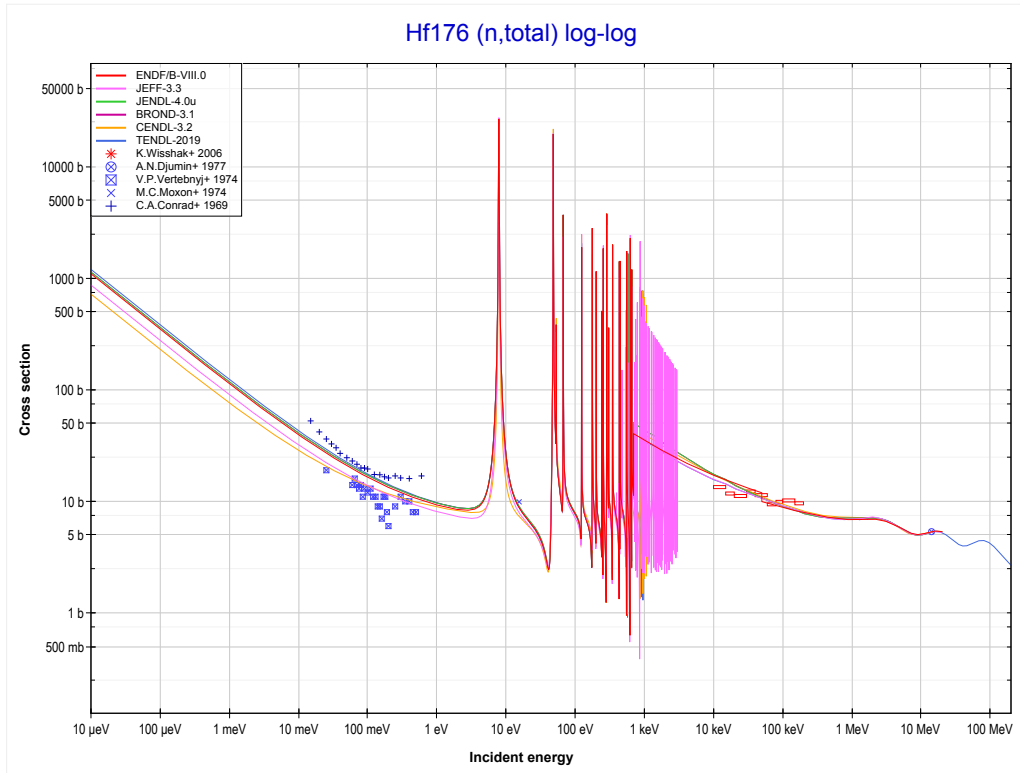
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00377025 b | 1.92026 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00402524 b | 1.93208 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0041448 b | 1.93812 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00361679 b | 1.903 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00361679 b | 1.903 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00244668 b | 1.946 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00380319 b | 2.07298 b |

| | | |
|----------------|--|----------------------------|
| << 71-Lu-177m | 72-Hf-174 | 72-Hf-176 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Hf175 production) | 72-Hf-176 MT1 (n,total) >> |



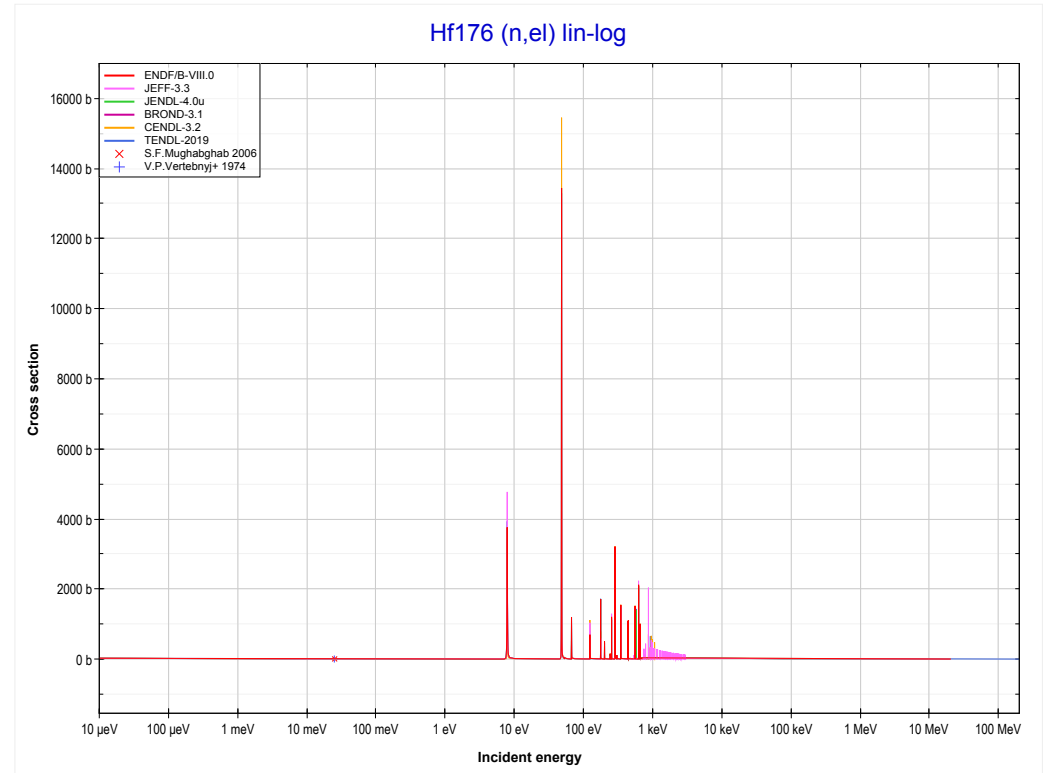
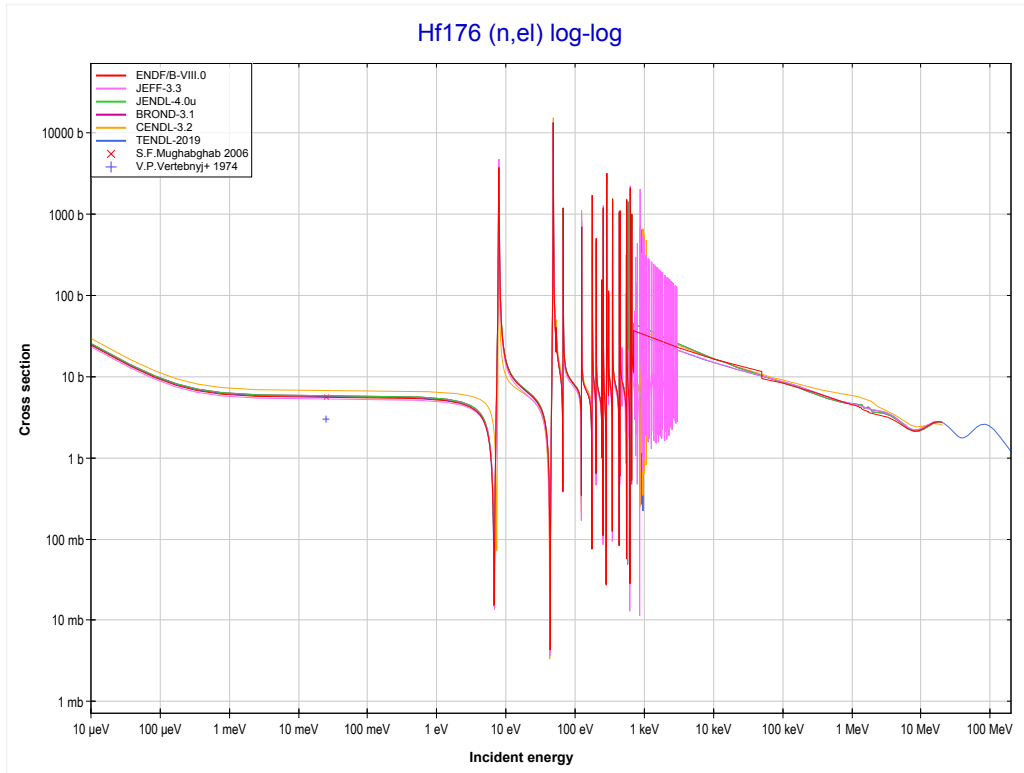
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 403.785 b | 403.464 b | 397.7 b | 0.98567 | 321.22 b | 0.225334 b | 0.00171381 b |
| ENDF/B-VIII.0 | 548.178 b | 548.178 b | 537.65 b | 0.9808 | 415.967 b | 0.217343 b | 7.05639E-4 b |
| JEFF-3.3 | 651.439 b | 651.439 b | 640.13 b | 0.98265 | 449.467 b | 0.281794 b | 0.00173747 b |
| JENDL-4.0u | 562.278 b | 562.278 b | 550.32 b | 0.97874 | 382.625 b | 0.288704 b | 0.002327 b |
| BROND-3.1 | 562.278 b | 562.278 b | 550.32 b | 0.97874 | 382.625 b | 0.288704 b | 0.002327 b |
| CENDL-3.2 | 561.619 b | 561.619 b | 549.45 b | 0.97833 | 354.55 b | 0.145149 b | 0.001248 b |
| TENDL-2019 | 549.113 b | 549.113 b | 535.92 b | 0.97598 | 333.308 b | 0.247757 b | 0.00117936 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 72-Hf-174 | 72-Hf-176 | 72-Hf-177 >> |
| << 72-Hf-174 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



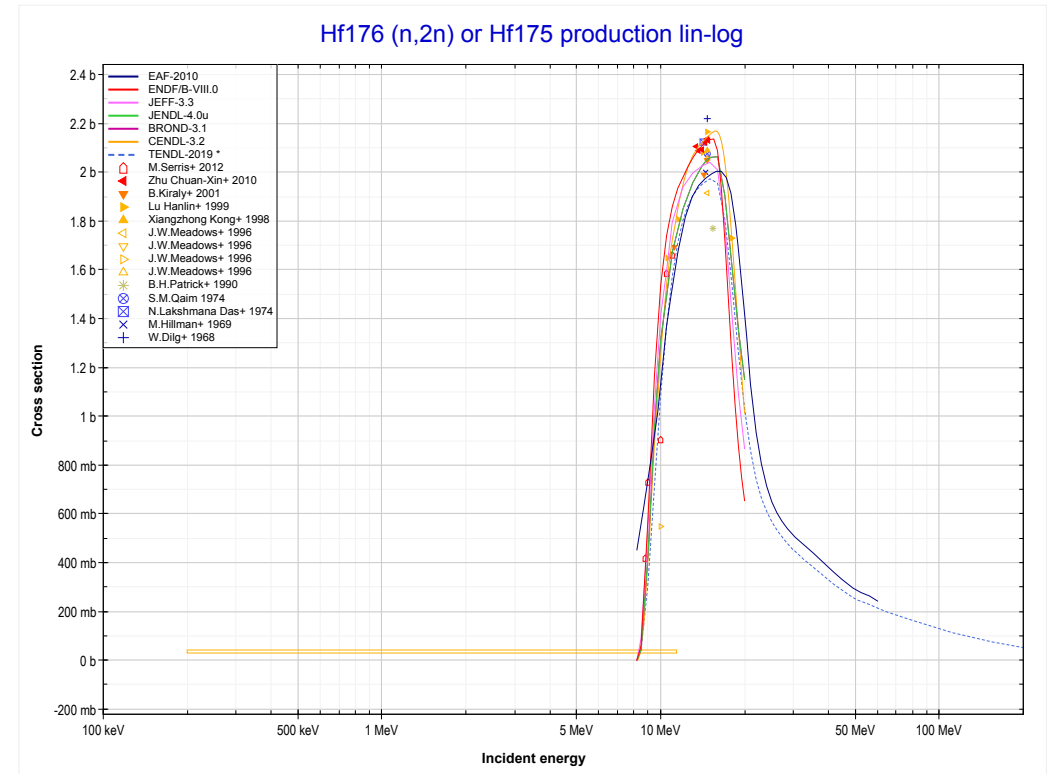
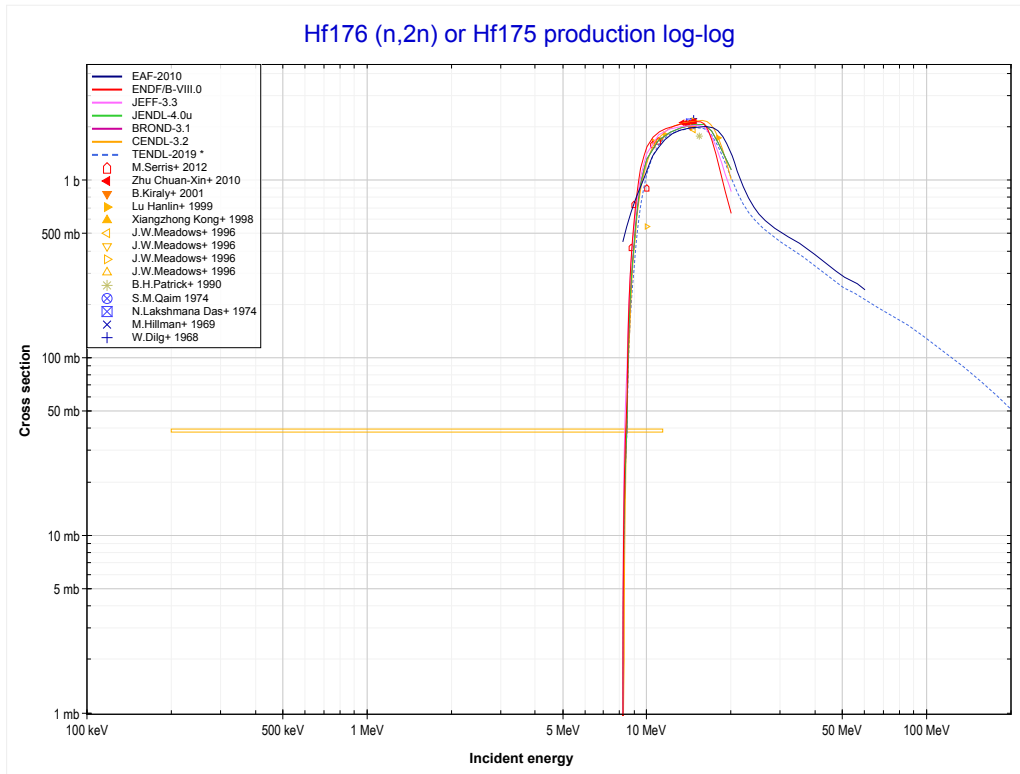
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 26.943 b | 26.943 b | 27.701 b | 1.02814 | 1115.07 b | 6.85701 b | 5.33741 b |
| JEFF-3.3 | 22.15 b | 22.15 b | 22.858 b | 1.03194 | 1034.45 b | 6.94274 b | 5.2985 b |
| JENDL-4.0u | 27.9643 b | 27.9643 b | 28.756 b | 1.02831 | 1127.44 b | 6.97609 b | 5.29 b |
| BROND-3.1 | 27.9643 b | 27.9643 b | 28.756 b | 1.02831 | 1127.44 b | 6.97609 b | 5.29 b |
| CENDL-3.2 | 20.4819 b | 20.4819 b | 21.356 b | 1.04267 | 770.62 b | 7.03013 b | 5.3565 b |
| TENDL-2019 | 29.1259 b | 29.1259 b | 29.893 b | 1.02633 | 1122.52 b | 6.93001 b | 5.30273 b |

| | | |
|------------------|------------------------|----------------|
| << 72-Hf-174 | 72-Hf-176 | 72-Hf-177 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



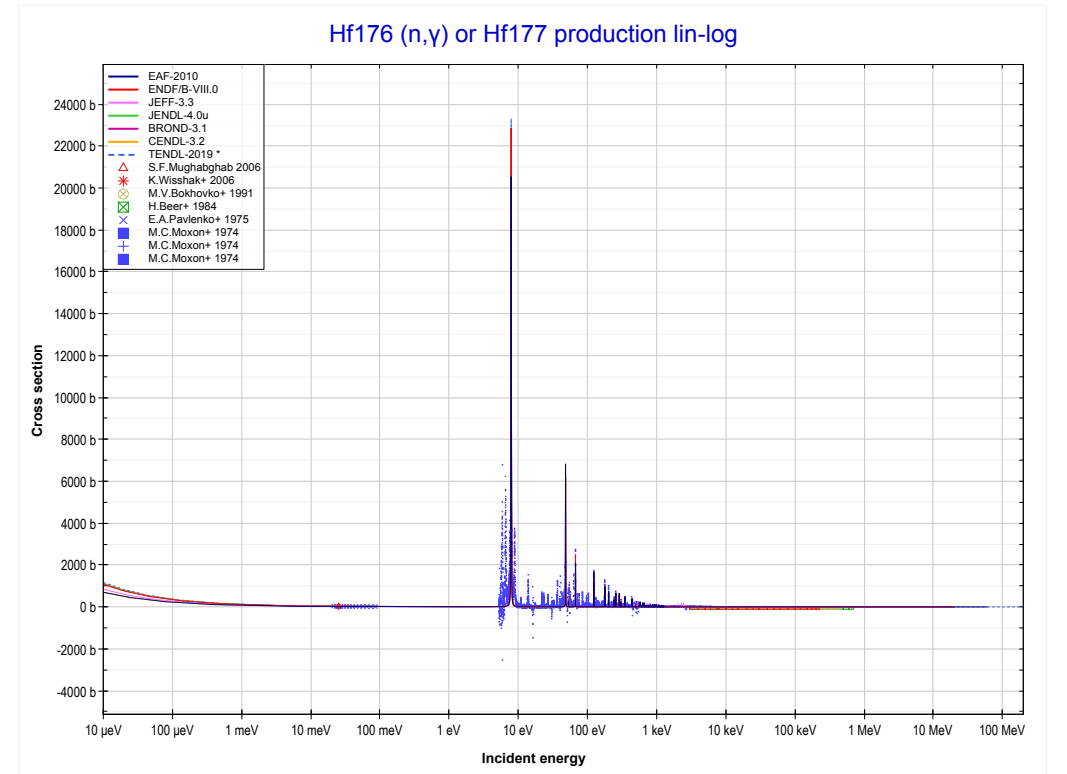
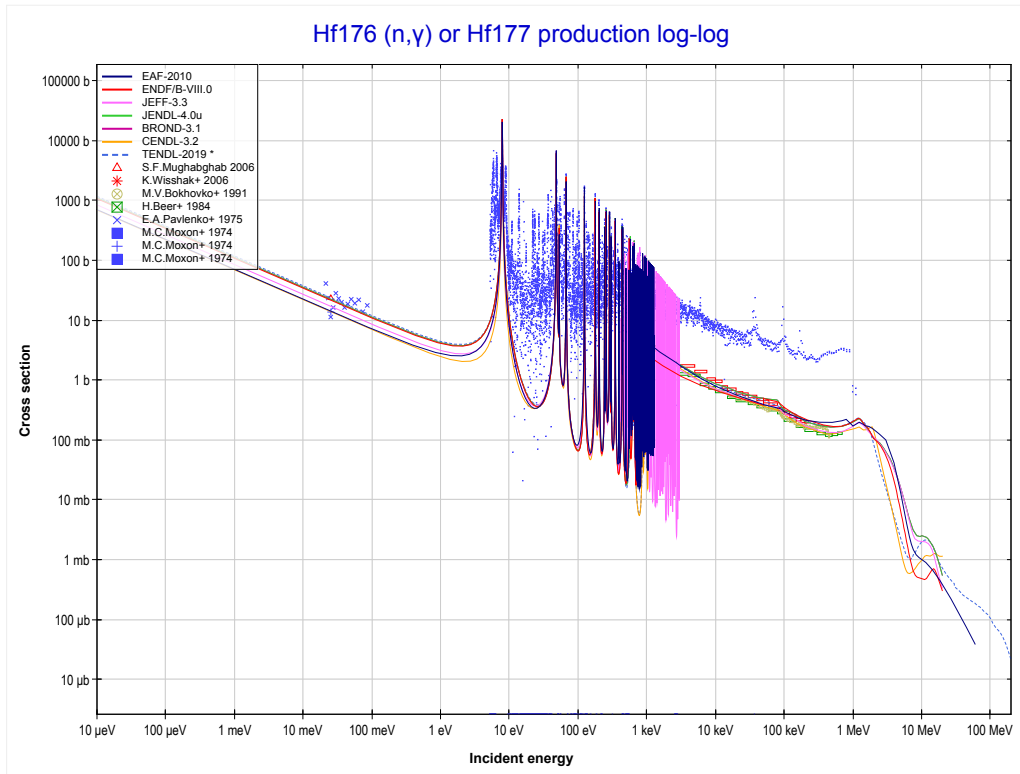
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.55869 b | 5.55869 b | 6.2628 b | 1.12666 | 421.029 b | 4.16954 b | 2.62889 b |
| JEFF-3.3 | 5.30027 b | 5.30027 b | 5.9719 b | 1.12671 | 401.068 b | 4.4164 b | 2.6822 b |
| JENDL-4.0u | 5.82587 b | 5.82587 b | 6.5638 b | 1.12667 | 428.98 b | 4.31141 b | 2.57485 b |
| BROND-3.1 | 5.82587 b | 5.82587 b | 6.5638 b | 1.12667 | 428.98 b | 4.31141 b | 2.57485 b |
| CENDL-3.2 | 6.72193 b | 6.72193 b | 7.5783 b | 1.1274 | 370.423 b | 5.16814 b | 2.6254 b |
| TENDL-2019 | 5.67946 b | 5.67946 b | 6.3987 b | 1.12664 | 412.001 b | 4.39782 b | 2.68216 b |

| | | |
|--------------------|--|-------------------------|
| << 72-Hf-174 | 72-Hf-176 | 72-Hf-179 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Hf175 production) | MT102 (n, γ) >> |



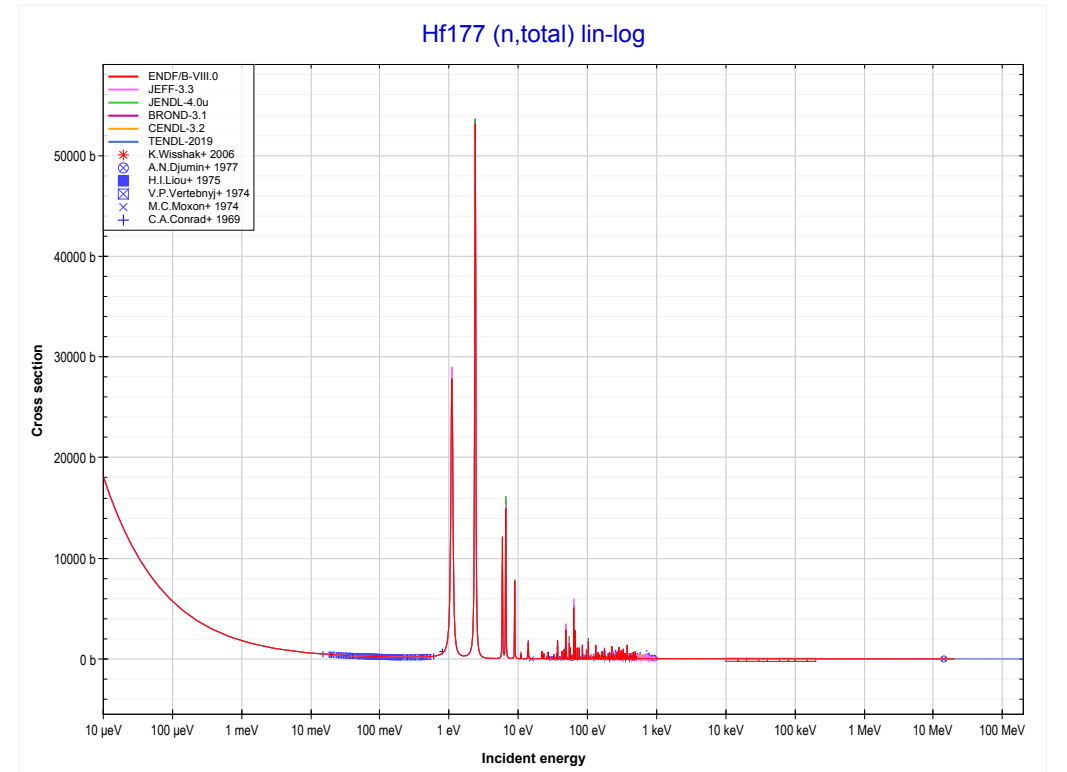
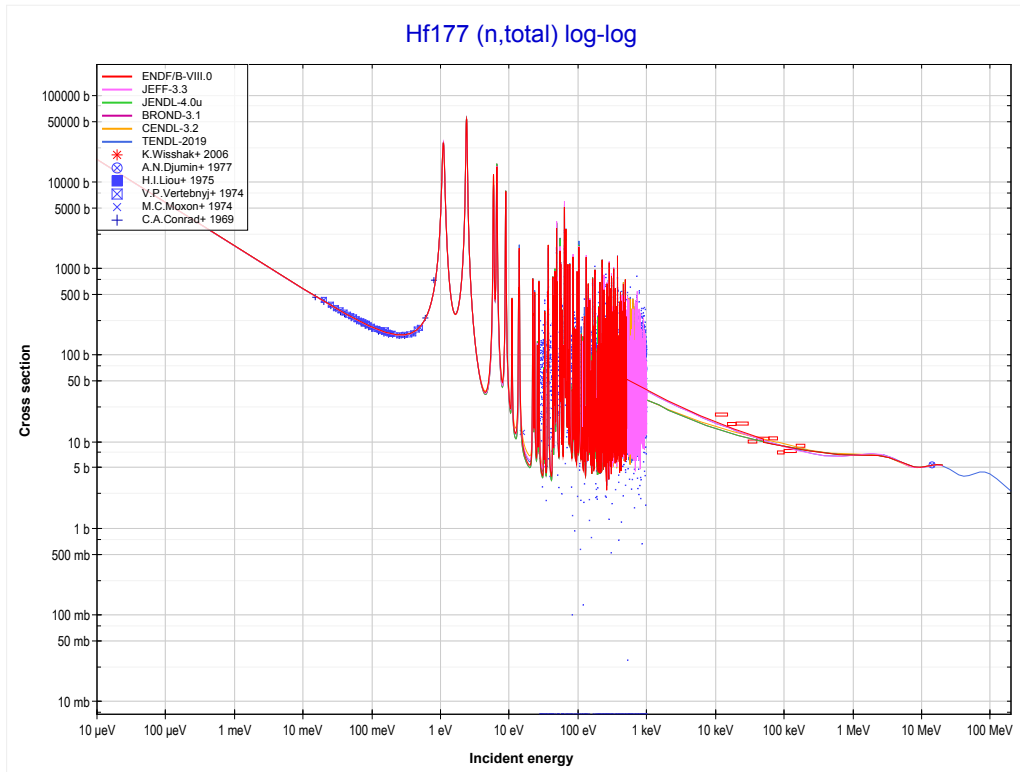
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00531917 b | 1.95814 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0062652 b | 2.10721 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00590107 b | 2.02514 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00538345 b | 2.022 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00538345 b | 2.022 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00533912 b | 2.1209 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00468272 b | 1.94904 b |

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|----------------|--|----------------------------|
| << 72-Hf-174 | 72-Hf-176 | 72-Hf-177 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Hf177 production) | 72-Hf-177 MT1 (n,total) >> |



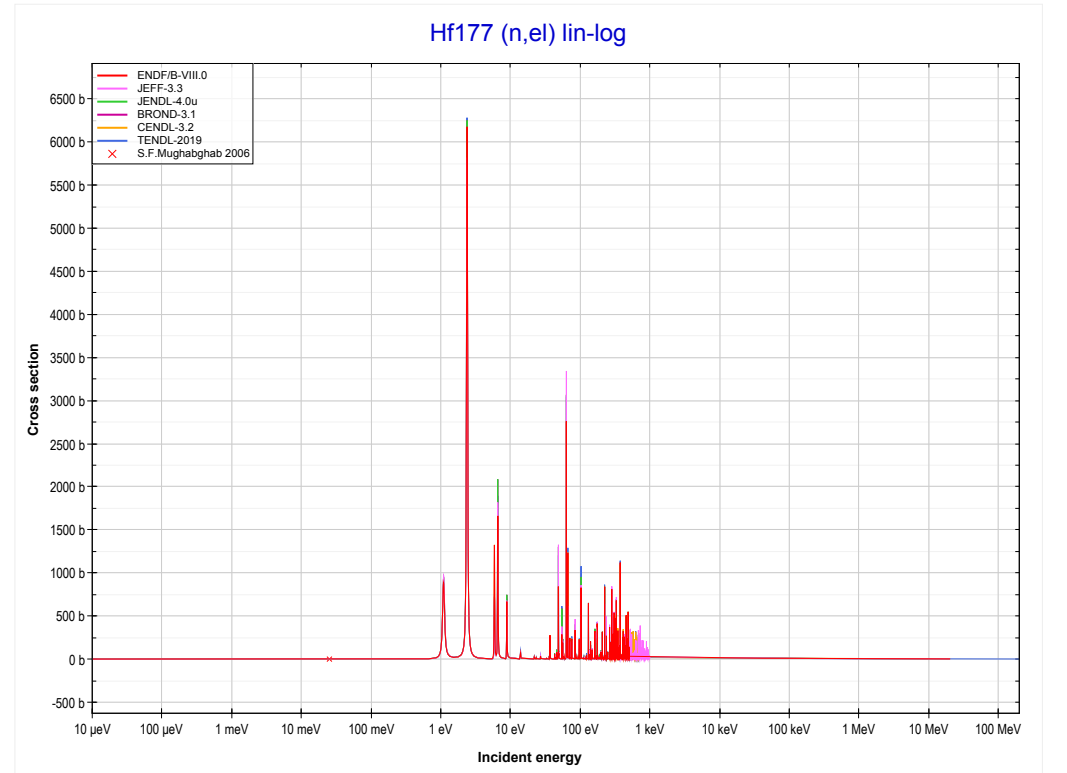
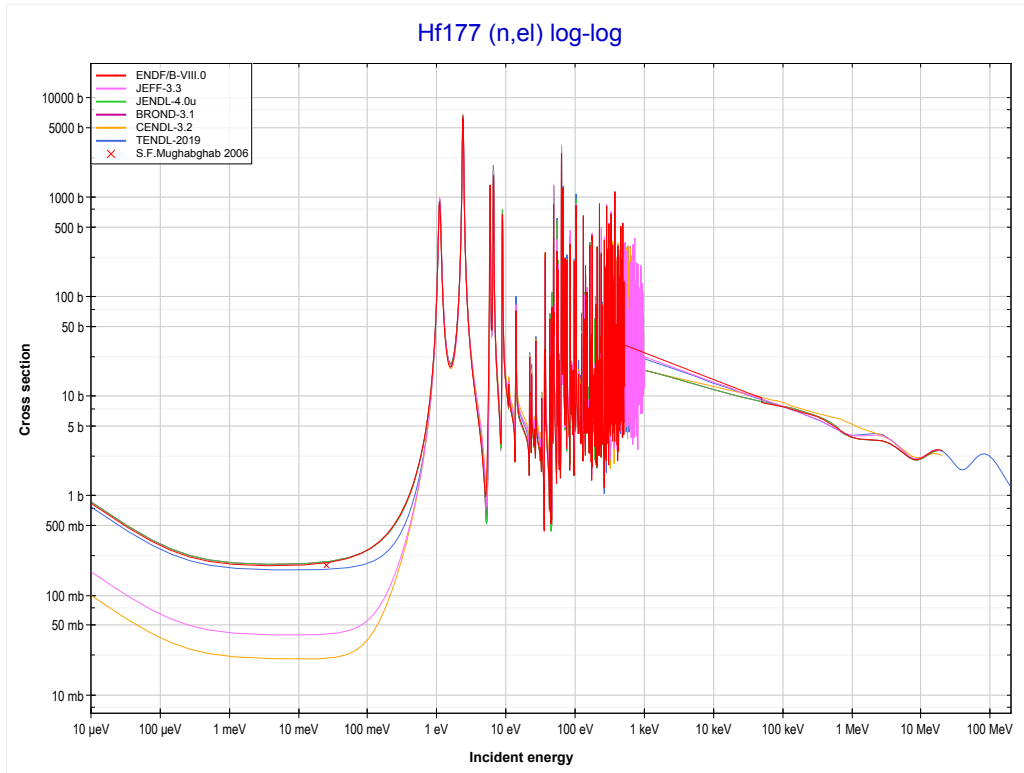
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 14.0658 b | 14.0554 b | 14.088 b | 1.0023 | 609.892 b | 0.149494 b | 7.02449E-4 b |
| ENDF/B-VIII.0 | 21.3843 b | 21.3843 b | 21.439 b | 1.00254 | 694.032 b | 0.134286 b | 6.65097E-4 b |
| JEFF-3.3 | 16.8497 b | 16.8497 b | 16.886 b | 1.00214 | 633.377 b | 0.119964 b | 0.00152468 b |
| JENDL-4.0u | 22.1384 b | 22.1384 b | 22.192 b | 1.00243 | 698.443 b | 0.13596 b | 0.001821 b |
| BROND-3.1 | 22.1384 b | 22.1384 b | 22.192 b | 1.00243 | 698.443 b | 0.13596 b | 0.001821 b |
| CENDL-3.2 | 13.76 b | 13.76 b | 13.777 b | 1.00127 | 400.178 b | 0.10612 b | 0.0011748 b |
| TENDL-2019 | 23.4465 b | 23.4465 b | 23.494 b | 1.00202 | 710.482 b | 0.12365 b | 0.00183142 b |

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|-----------------------------------|----------------------|--------------------|
| << 72-Hf-176 | 72-Hf-177 | 72-Hf-178 >> |
| << 72-Hf-176 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



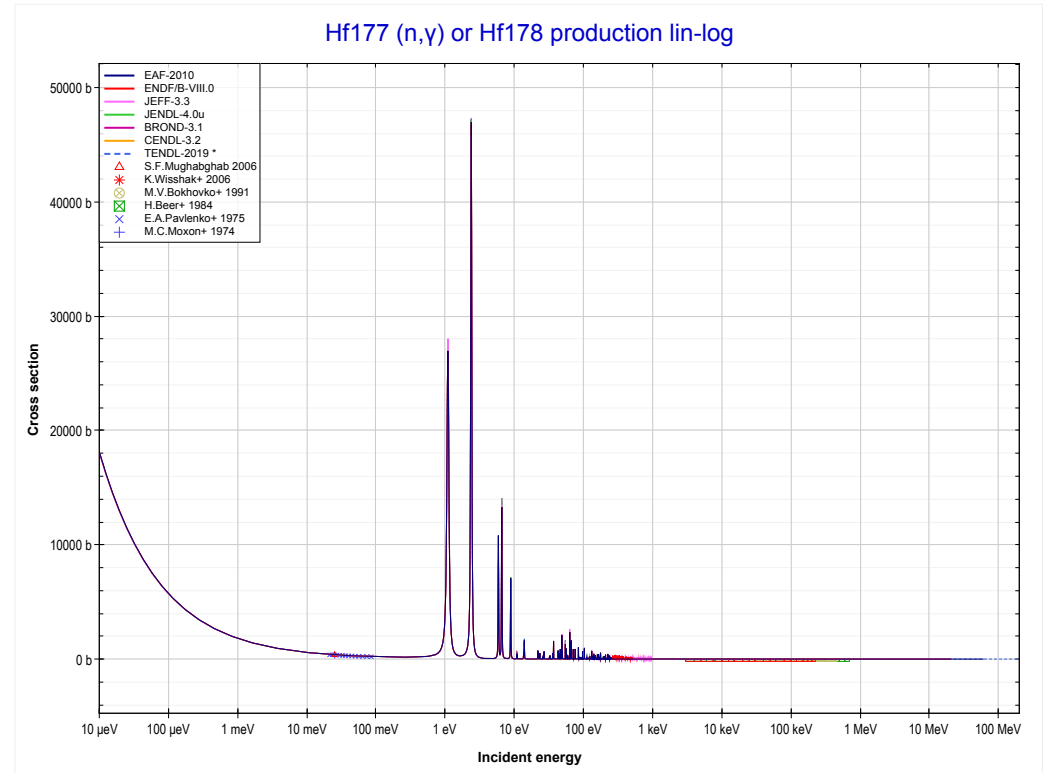
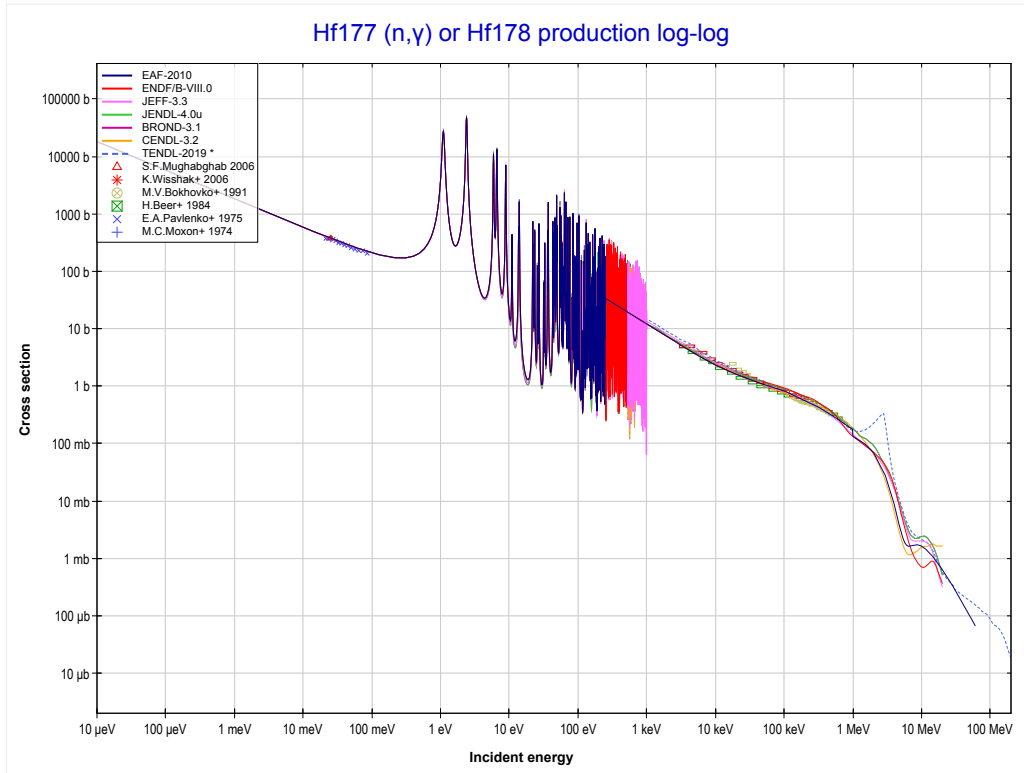
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 373.882 b | 373.882 b | 381.48 b | 1.02031 | 8004.25 b | 6.8946 b | 5.34741 b |
| JEFF-3.3 | 371.356 b | 371.356 b | 378.87 b | 1.02023 | 7936.88 b | 6.94018 b | 5.31366 b |
| JENDL-4.0u | 372.181 b | 372.181 b | 379.78 b | 1.02043 | 7972.23 b | 6.91211 b | 5.319 b |
| BROND-3.1 | 372.181 b | 372.181 b | 379.78 b | 1.02043 | 7972.23 b | 6.91211 b | 5.319 b |
| CENDL-3.2 | 373.615 b | 373.615 b | 381.01 b | 1.01979 | 7992.39 b | 7.03816 b | 5.3677 b |
| TENDL-2019 | 373.66 b | 373.66 b | 381.1 b | 1.0199 | 7989.9 b | 6.93903 b | 5.31957 b |

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|------------------|------------------------|-------------------------|
| << 72-Hf-176 | 72-Hf-177 | 72-Hf-178 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



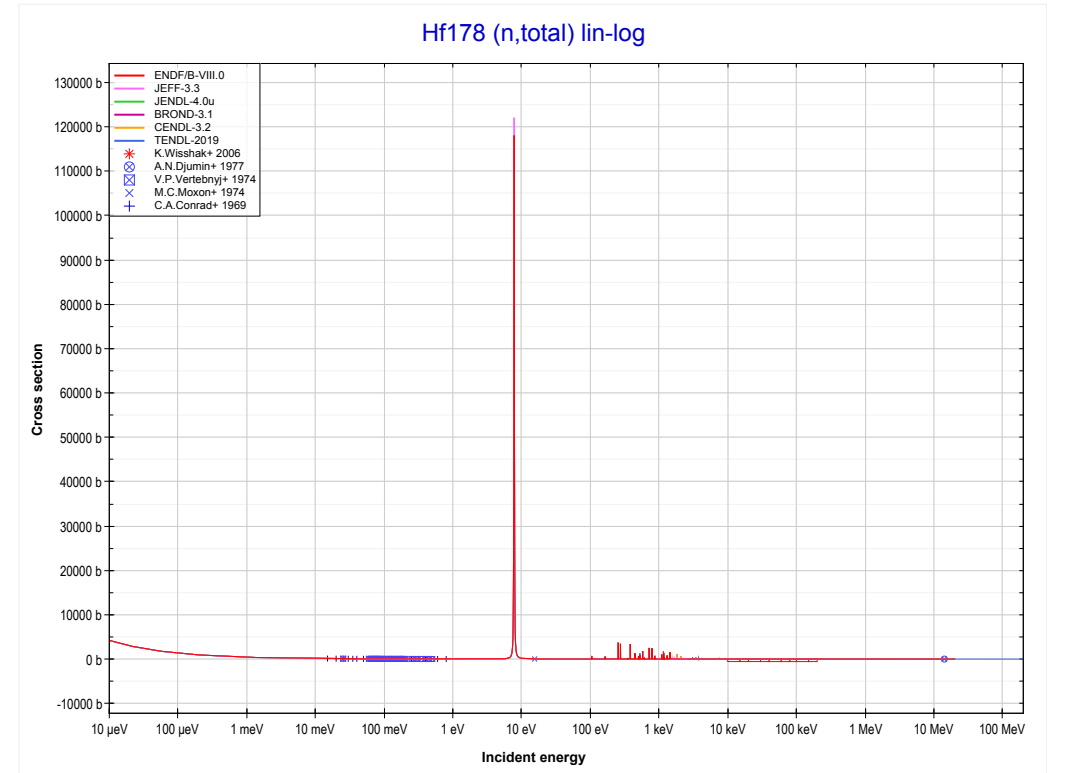
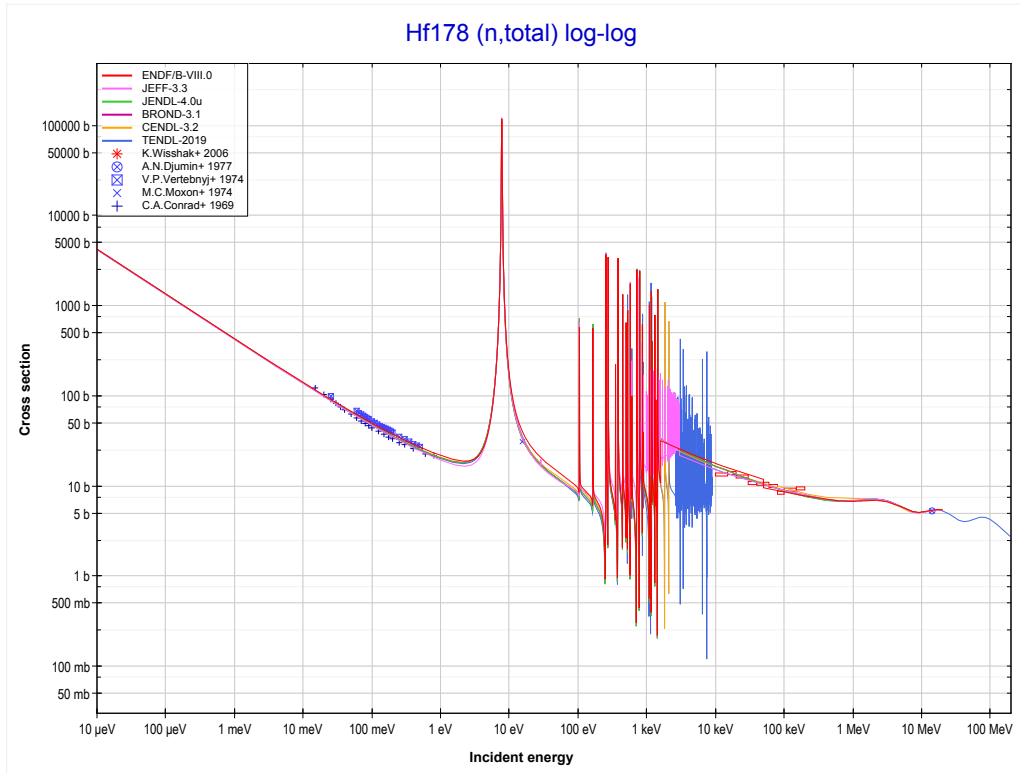
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.211651 b | 0.211651 b | 0.26705 b | 1.26174 | 788.996 b | 4.06665 b | 2.75327 b |
| JEFF-3.3 | 0.0405874 b | 0.0405874 b | 0.051815 b | 1.27663 | 766.947 b | 4.2446 b | 2.779 b |
| JENDL-4.0u | 0.216597 b | 0.216597 b | 0.27045 b | 1.24864 | 759.344 b | 4.06635 b | 2.6946 b |
| BROND-3.1 | 0.216597 b | 0.216597 b | 0.27045 b | 1.24864 | 759.344 b | 4.06635 b | 2.6946 b |
| CENDL-3.2 | 0.0232008 b | 0.0232008 b | 0.031188 b | 1.34427 | 781.066 b | 4.82641 b | 2.6322 b |
| TENDL-2019 | 0.181779 b | 0.181779 b | 0.2158 b | 1.18717 | 793.848 b | 4.29503 b | 2.77903 b |

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|--------------------|--|----------------------------|
| << 72-Hf-176 | 72-Hf-177 | 72-Hf-178 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Hf178 production) | 72-Hf-178 MT1 (n,total) >> |



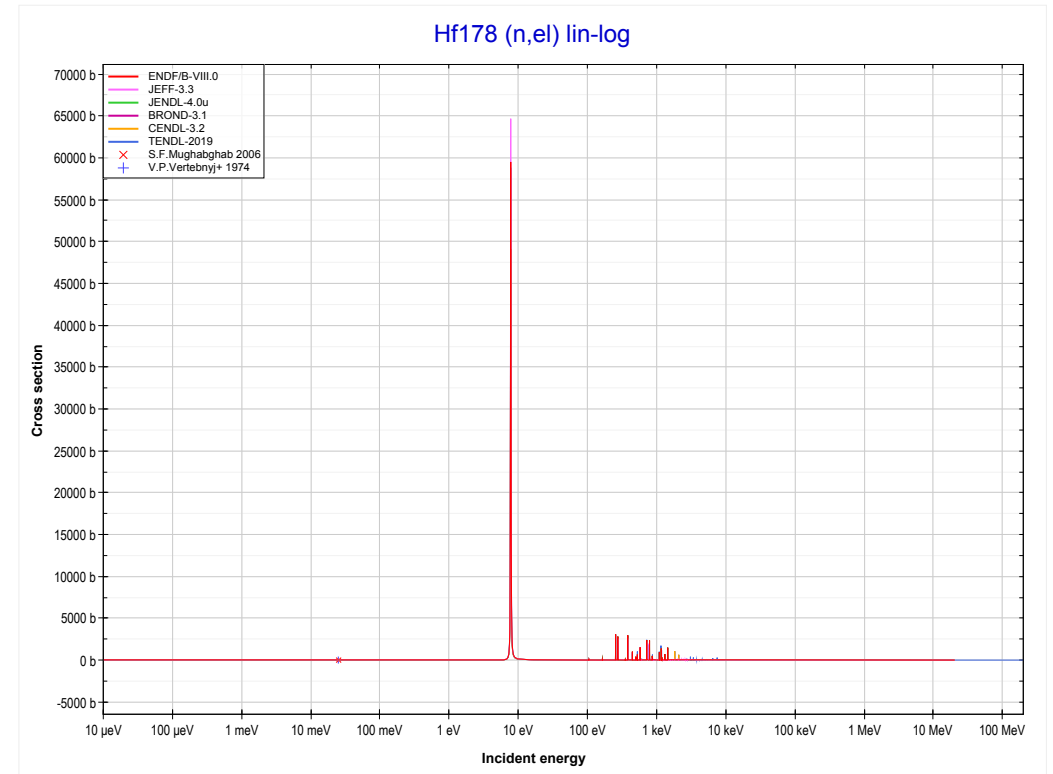
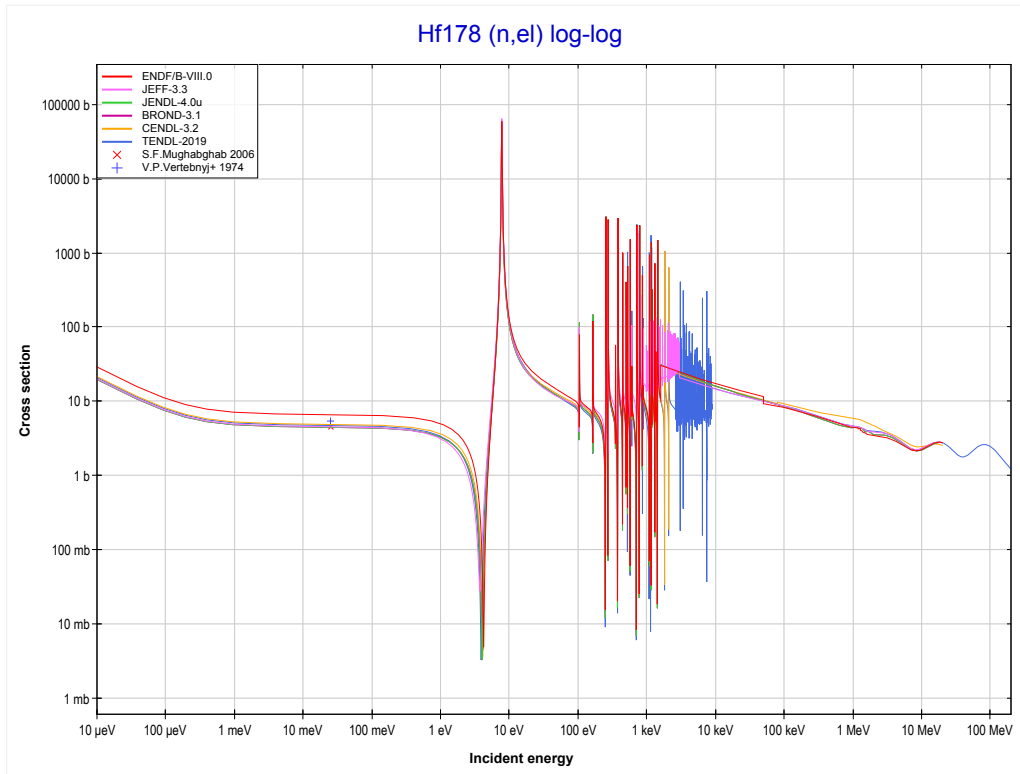
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 373.593 b | 373.341 b | 380.74 b | 1.0199 | 7208.95 b | 0.151764 b | 0.00112903 b |
| ENDF/B-VIII.0 | 373.671 b | 373.671 b | 381.21 b | 1.02018 | 7215.25 b | 0.163827 b | 8.97593E-4 b |
| JEFF-3.3 | 371.315 b | 371.315 b | 378.82 b | 1.0202 | 7169.93 b | 0.151646 b | 0.00143296 b |
| JENDL-4.0u | 371.965 b | 371.965 b | 379.51 b | 1.0203 | 7212.89 b | 0.178762 b | 0.001785 b |
| BROND-3.1 | 371.965 b | 371.965 b | 379.51 b | 1.0203 | 7212.89 b | 0.178762 b | 0.001785 b |
| CENDL-3.2 | 373.592 b | 373.592 b | 380.98 b | 1.01977 | 7211.34 b | 0.163842 b | 0.0017872 b |
| TENDL-2019 | 373.478 b | 373.478 b | 380.88 b | 1.01982 | 7195.98 b | 0.235125 b | 0.00149238 b |

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|-----------------------------------|----------------------|--------------------|
| << 72-Hf-177 | 72-Hf-178 | 72-Hf-179 >> |
| << 72-Hf-177 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



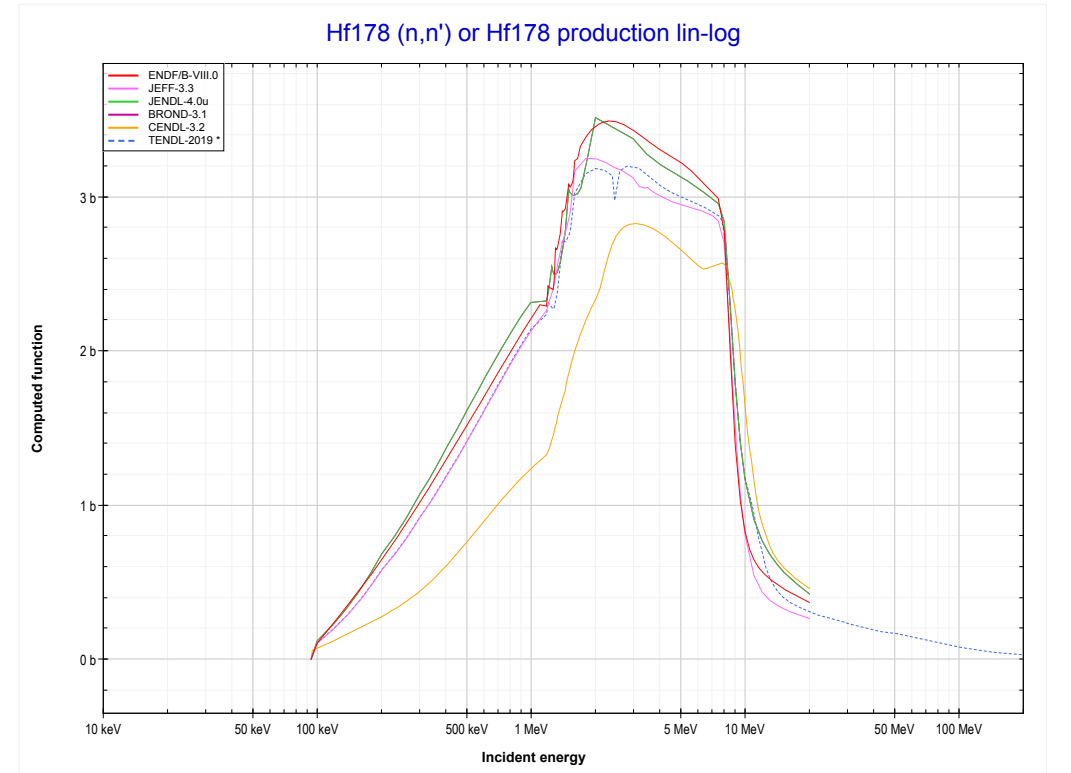
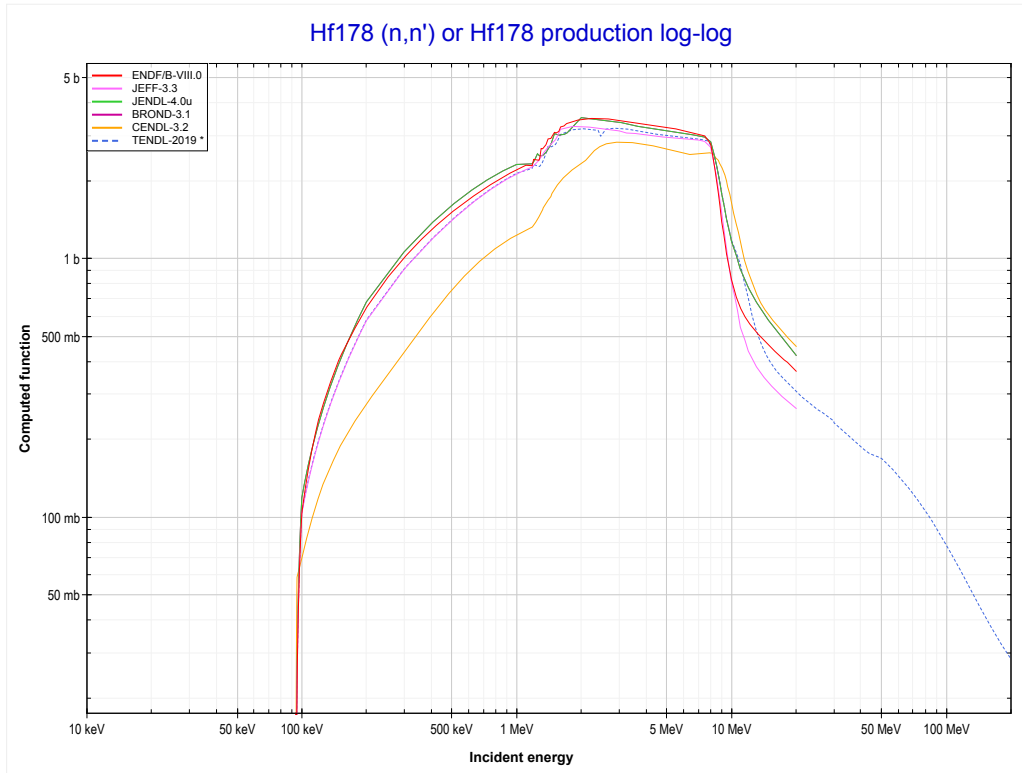
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 90.5478 b | 90.5478 b | 91.612 b | 1.01175 | 3930.2 b | 6.78834 b | 5.35907 b |
| JEFF-3.3 | 87.3853 b | 87.3853 b | 88.159 b | 1.00885 | 3946.87 b | 6.9254 b | 5.32406 b |
| JENDL-4.0u | 88.5265 b | 88.5265 b | 89.344 b | 1.00923 | 3661.62 b | 6.85867 b | 5.324 b |
| BROND-3.1 | 88.5265 b | 88.5265 b | 89.344 b | 1.00923 | 3661.62 b | 6.85867 b | 5.324 b |
| CENDL-3.2 | 88.9215 b | 88.9215 b | 89.76 b | 1.00943 | 3659.7 b | 7.05456 b | 5.3787 b |
| TENDL-2019 | 88.0394 b | 88.0394 b | 88.843 b | 1.00913 | 3893.14 b | 6.91764 b | 5.32767 b |

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|------------------|------------------------|---------------|
| << 72-Hf-177 | 72-Hf-178 | 72-Hf-179 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



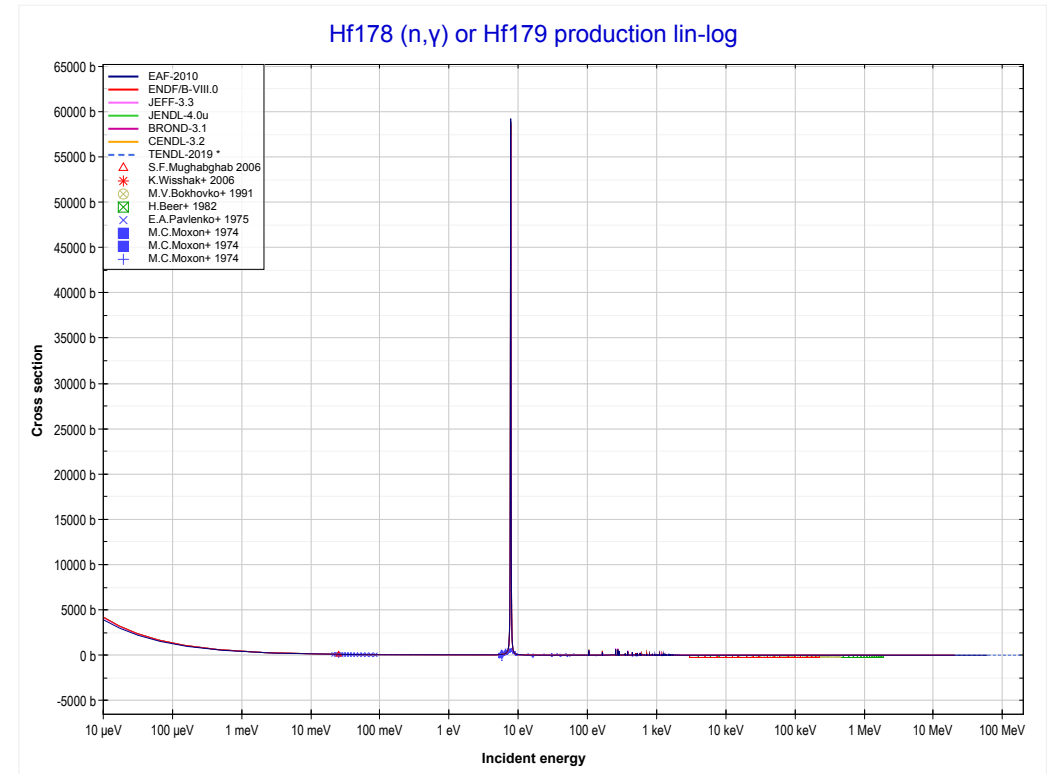
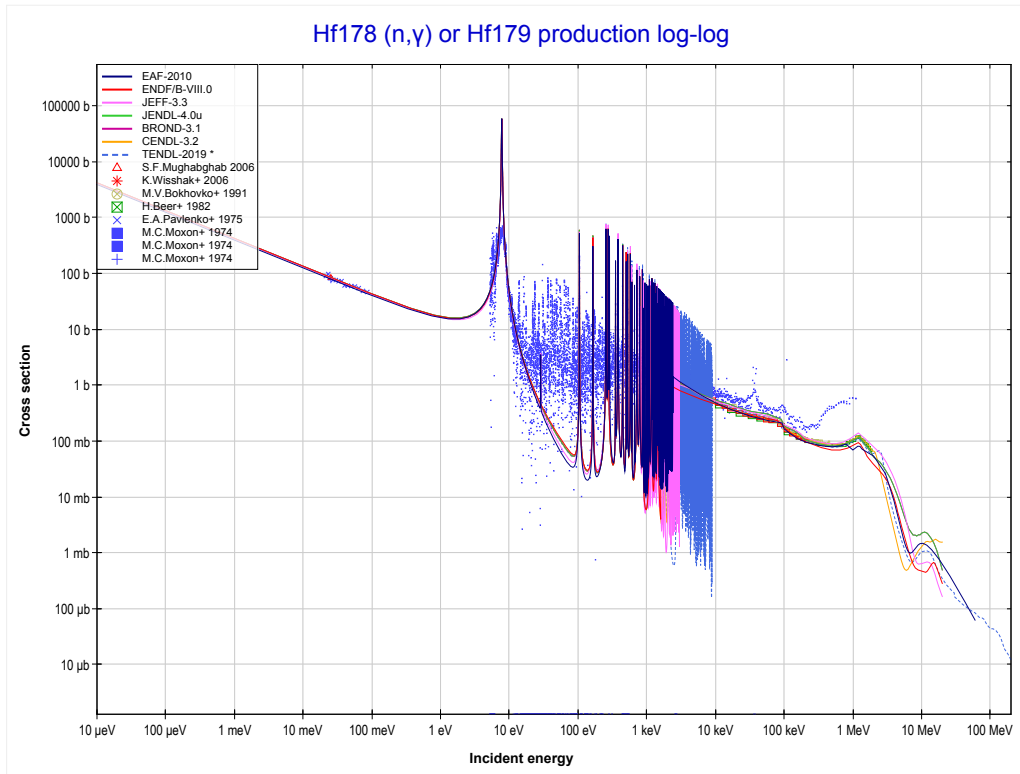
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.60653 b | 6.60653 b | 7.4096 b | 1.12156 | 2058.08 b | 4.10675 b | 2.63655 b |
| JEFF-3.3 | 4.55007 b | 4.55007 b | 5.0934 b | 1.11941 | 2148.17 b | 4.38681 b | 2.6891 b |
| JENDL-4.0u | 4.47325 b | 4.47325 b | 5.0143 b | 1.12095 | 1746.54 b | 4.18232 b | 2.58929 b |
| BROND-3.1 | 4.47325 b | 4.47325 b | 5.0143 b | 1.12095 | 1746.54 b | 4.18232 b | 2.58929 b |
| CENDL-3.2 | 4.88785 b | 4.88785 b | 5.4809 b | 1.12134 | 1745.7 b | 5.17035 b | 2.6379 b |
| TENDL-2019 | 4.73421 b | 4.73421 b | 5.3042 b | 1.12039 | 2007.48 b | 4.40872 b | 2.68907 b |

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|--------------------|---|-------------------------|
| << 71-Lu-177m | 72-Hf-178 | 72-Hf-179 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Hf178 production) | MT102 (n, γ) >> |



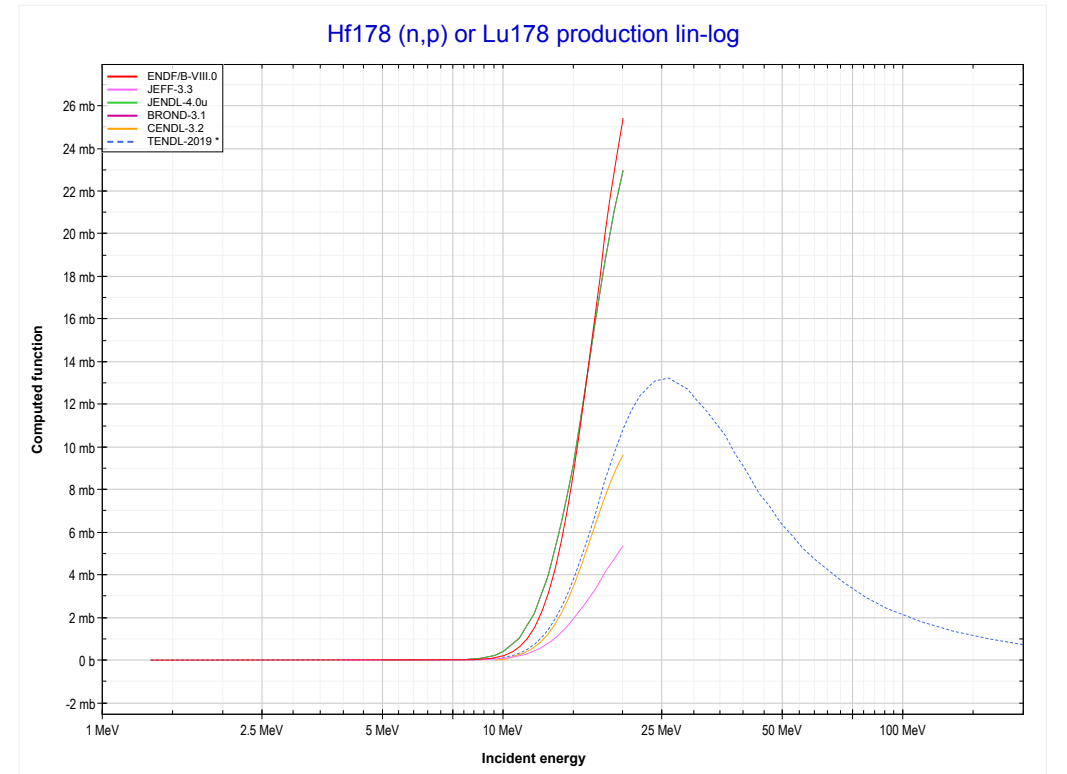
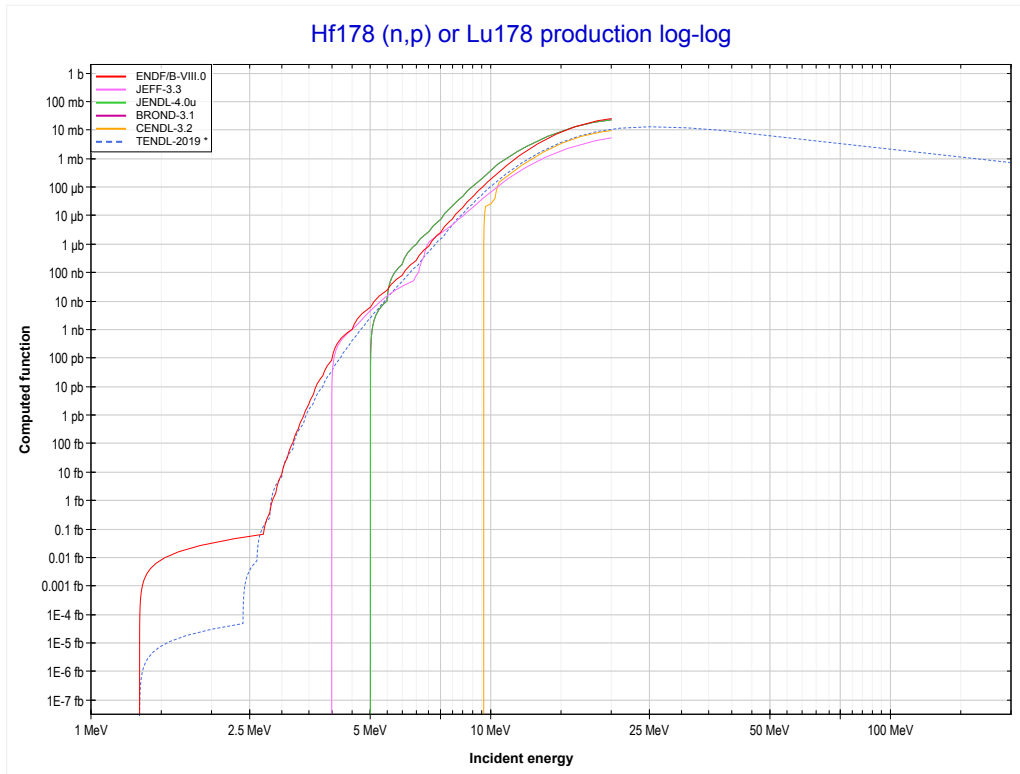
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0033235 b | 2.6162 b | 0.48835 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.00332548 b | 2.44566 b | 0.351793 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.00383111 b | 2.59853 b | 0.620421 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.00383111 b | 2.59853 b | 0.620421 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.00367113 b | 1.81417 b | 0.65293 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.0033752 b | 2.43446 b | 0.451647 b |

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|---------------|--|----------------|
| << 72-Hf-177 | 72-Hf-178 | 72-Hf-178n >> |
| << MT4 (n,n') | MT102 (n,y) or MT5 (Hf179 production) | MT103 (n,p) >> |



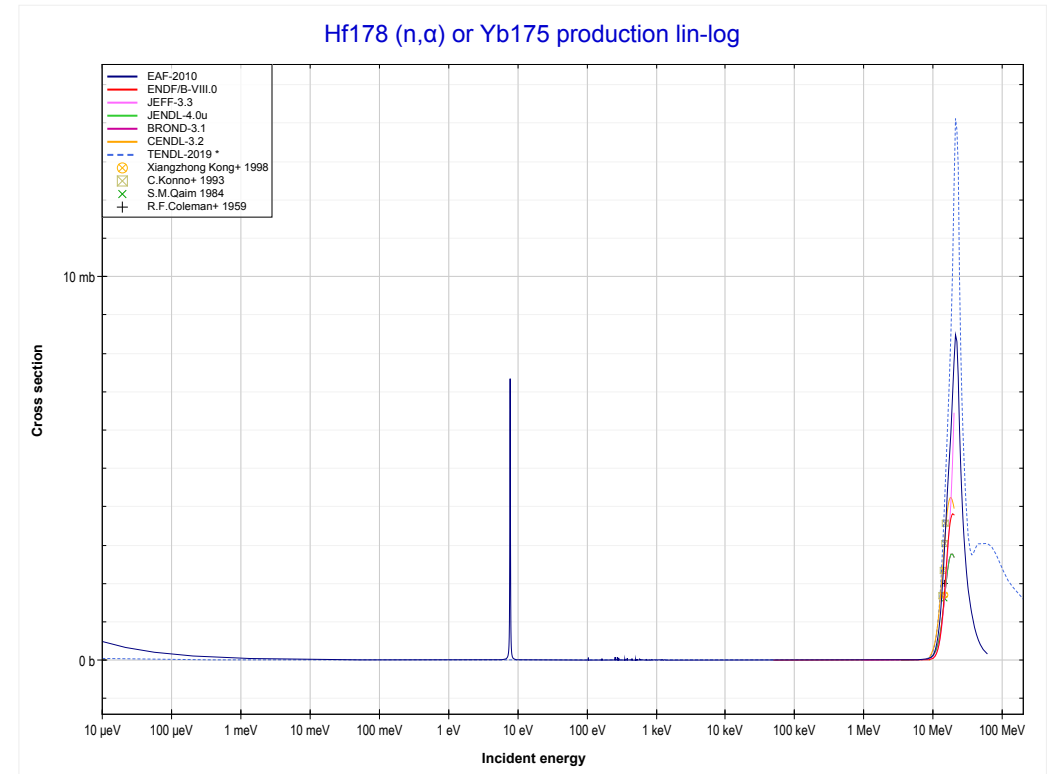
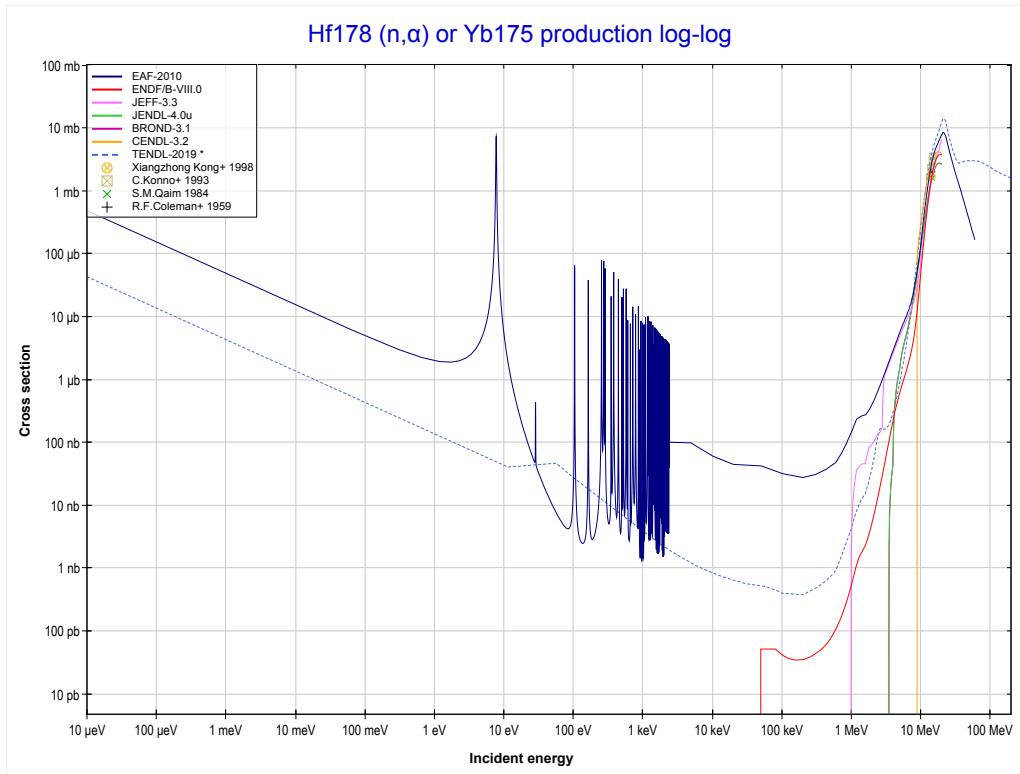
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 78.4836 b | 78.4256 b | 78.657 b | 1.00296 | 1922.19 b | 0.0575745 b | 0.00112981 b |
| ENDF/B-VIII.0 | 83.9413 b | 83.9413 b | 84.203 b | 1.00311 | 1872.12 b | 0.0542495 b | 6.24462E-4 b |
| JEFF-3.3 | 82.8352 b | 82.8352 b | 83.066 b | 1.00278 | 1798.7 b | 0.0827944 b | 6.01056E-4 b |
| JENDL-4.0u | 84.0533 b | 84.0533 b | 84.33 b | 1.00329 | 1915.08 b | 0.0691158 b | 0.001746 b |
| BROND-3.1 | 84.0533 b | 84.0533 b | 84.33 b | 1.00329 | 1915.08 b | 0.0691158 b | 0.001746 b |
| CENDL-3.2 | 84.0337 b | 84.0337 b | 84.279 b | 1.00292 | 1913.88 b | 0.0682018 b | 0.001568 b |
| TENDL-2019 | 83.3051 b | 83.3051 b | 83.539 b | 1.00281 | 1885.65 b | 0.0663304 b | 9.02989E-4 b |

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|-------------------------|--|-------------------------|
| << 71-Lu-175 | 72-Hf-178 | 72-Hf-179 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Lu178 production) | MT107 (n, α) >> |



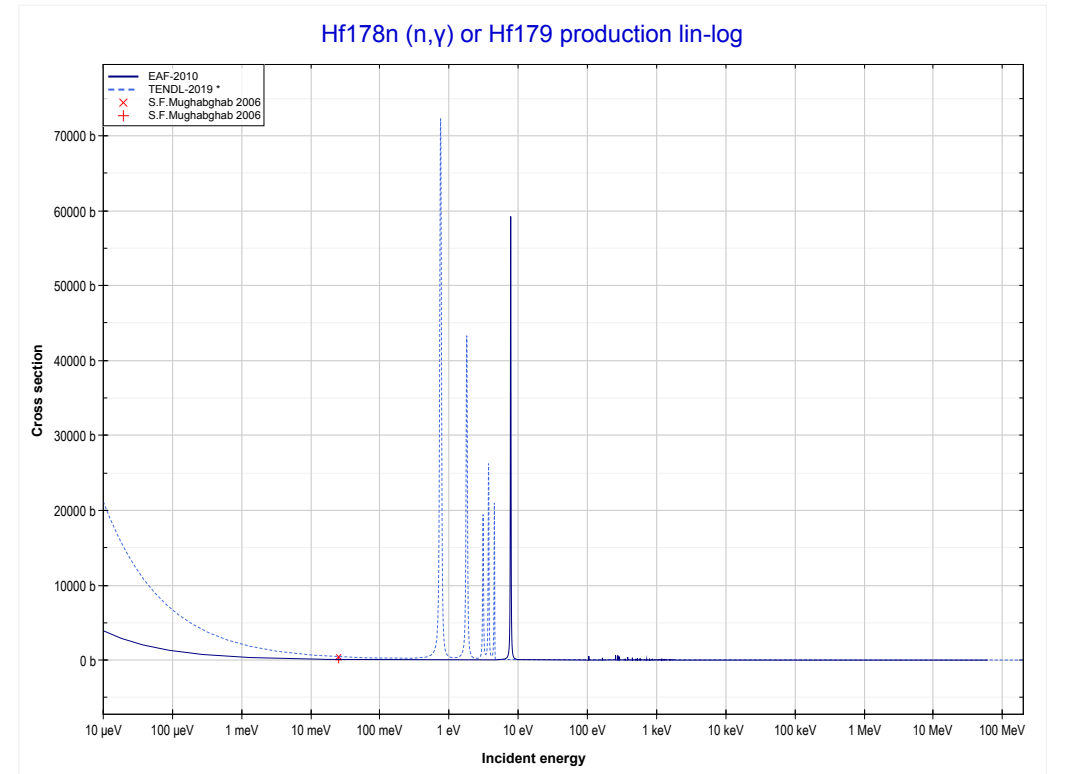
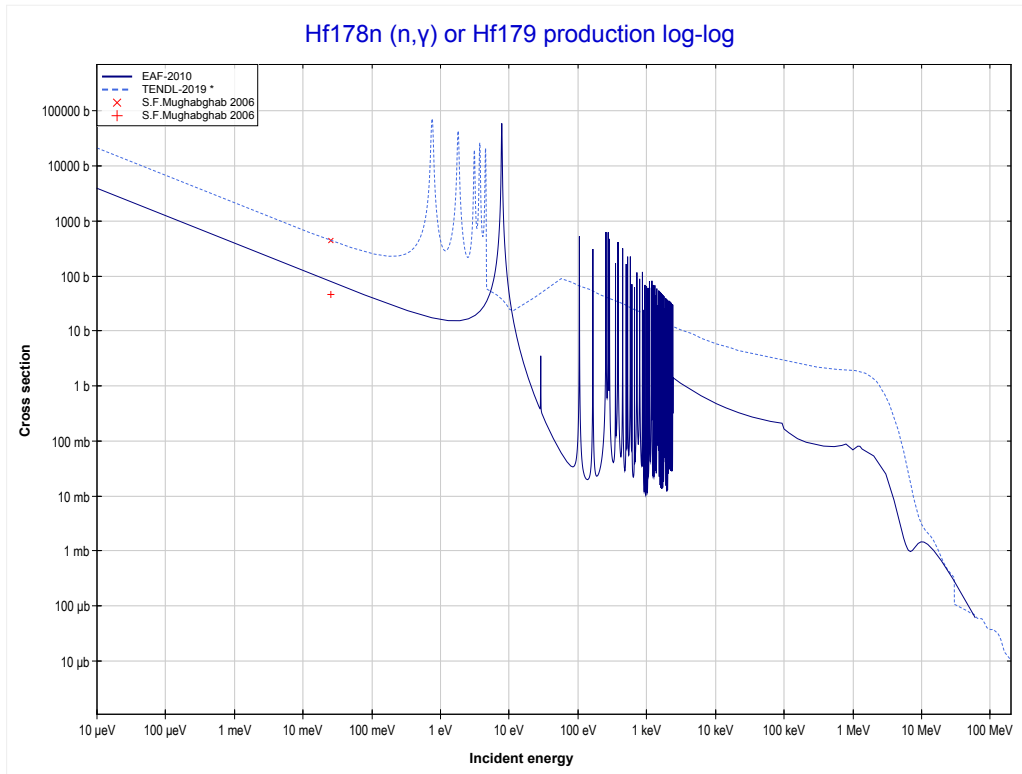
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.32834E-6 b | 0.00549861 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.05029E-7 b | 0.00128498 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.66284E-6 b | 0.006375 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.66284E-6 b | 0.006375 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18857E-6 b | 0.0021727 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.57389E-6 b | 0.00243641 b |

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|----------------|--|------------------------------------|
| << 71-Lu-176 | 72-Hf-178 | 72-Hf-180 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Yb175 production) | 72-Hf-178n MT102 (n, γ) >> |



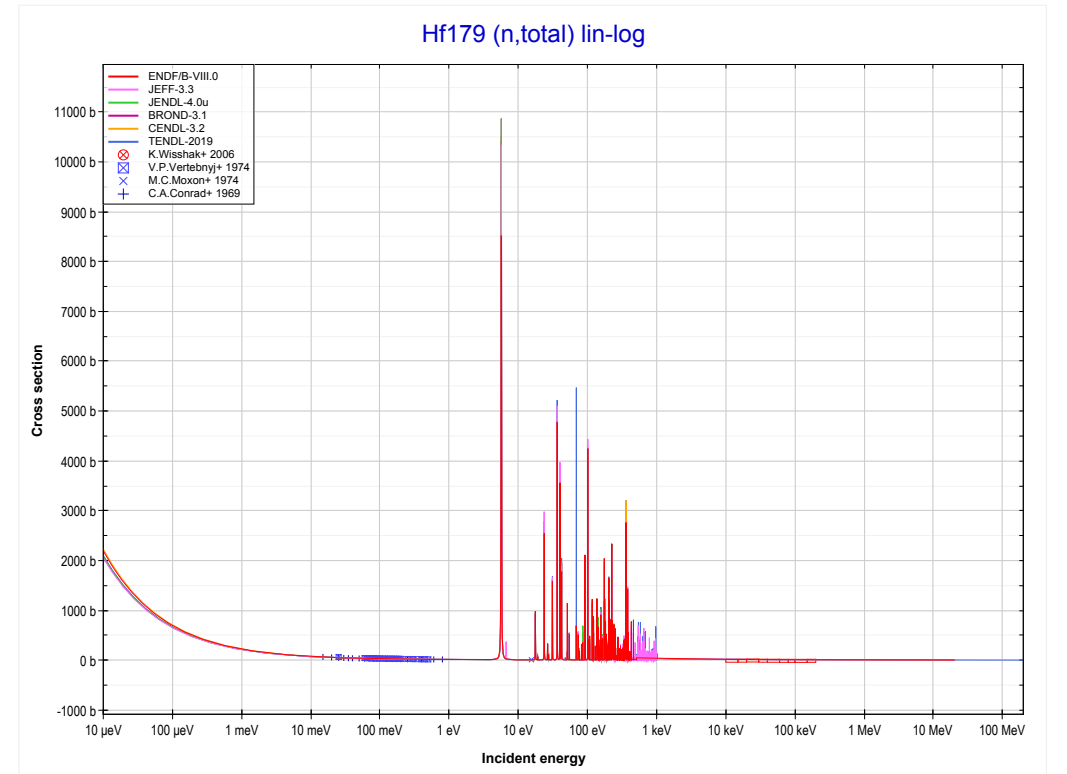
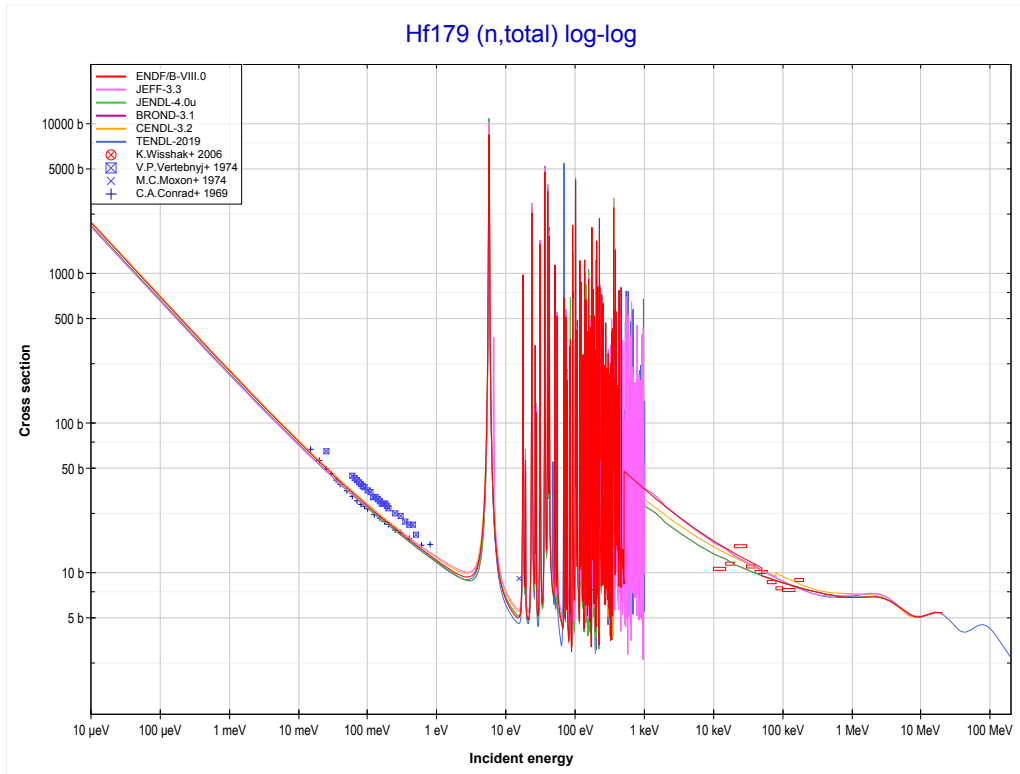
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9.725E-6 b | 9.7178E-6 b | 9.7465E-6 b | 1.00296 | 2.38175E-4 b | 2.83883E-6 b | 0.00229898 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.46761E-11 b | 9.04883E-7 b | 0.00136146 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.75635E-6 b | 0.00125767 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.46581E-6 b | 0.001315 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.46581E-6 b | 0.001315 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22265E-6 b | 0.002627 b |
| TENDL-2019 | 8.60609E-7 b | 8.60609E-7 b | 8.6041E-7 b | 0.99977 | 4.30015E-7 b | 2.91329E-6 b | 0.0033067 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 72-Hf-178 | 72-Hf-178n | 72-Hf-179 >> |
| << 72-Hf-178 MT107 (n, α) | MT102 (n,γ) or MT5 (Hf179 production) | 72-Hf-179 MT1 (n,total) >> |



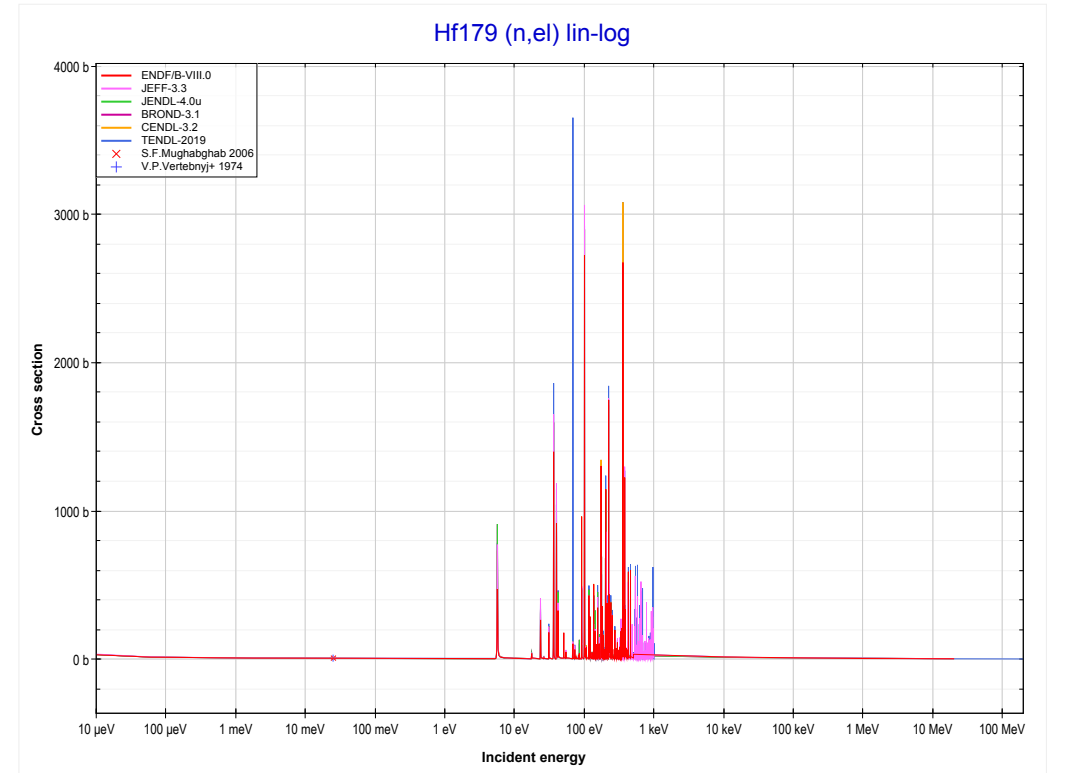
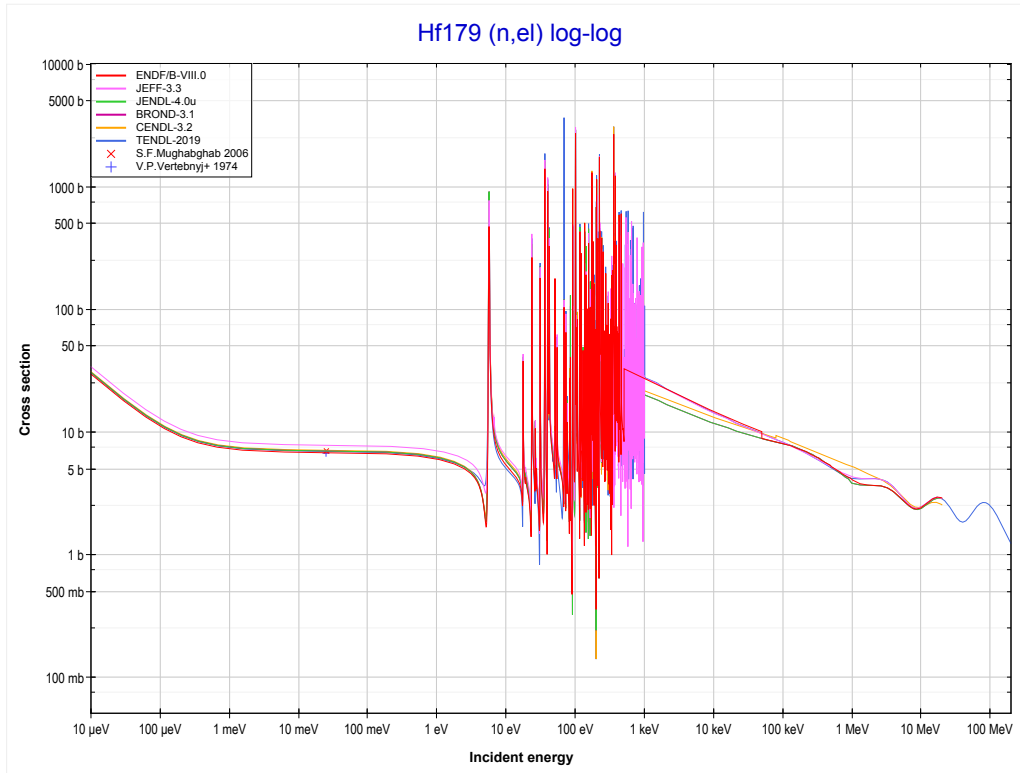
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 78.4836 b | 78.4256 b | 78.657 b | 1.00296 | 1922.19 b | 0.0575745 b | 0.00112981 b |
| TENDL-2019 | 439.893 b | 439.893 b | 451.68 b | 1.0268 | 12240.5 b | 1.41452 b | 0.00176568 b |

| | | |
|------------------------------------|----------------------|--------------------|
| << 72-Hf-178 | 72-Hf-179 | 72-Hf-180 >> |
| << 72-Hf-178n MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



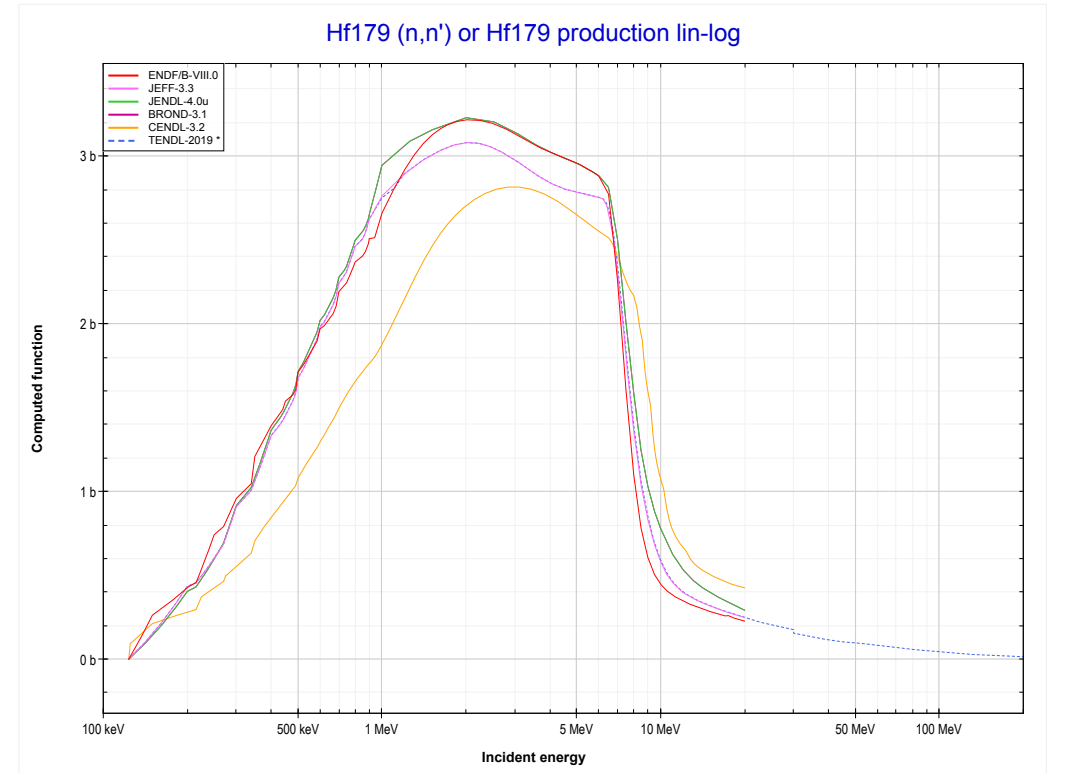
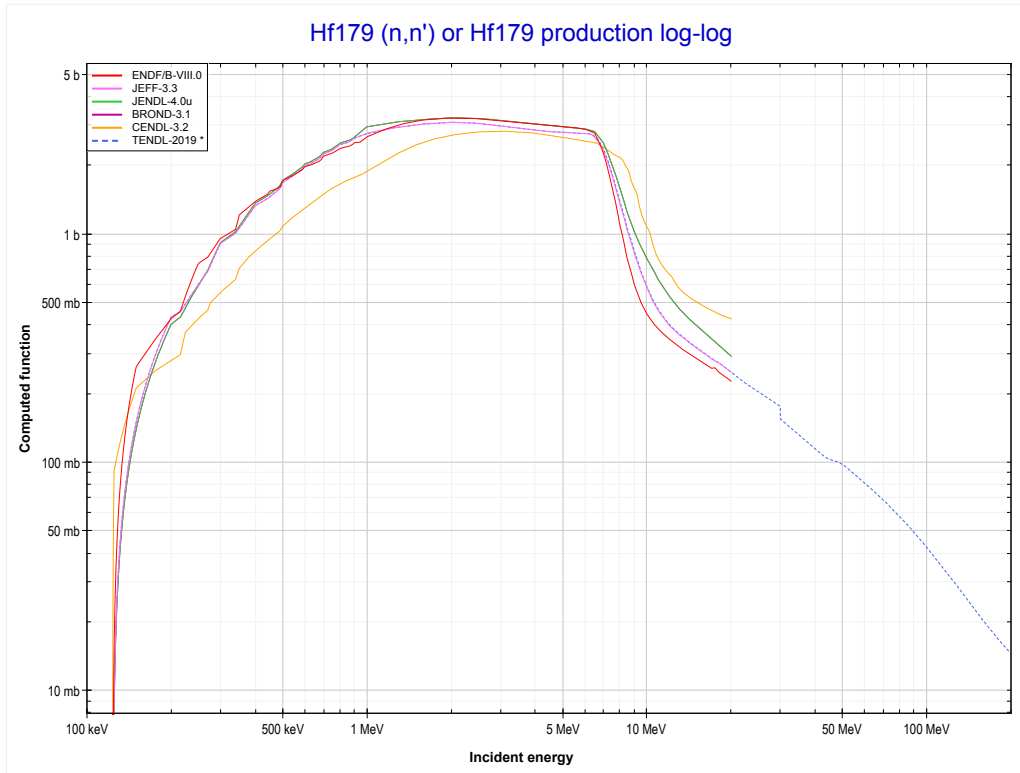
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 49.5719 b | 49.5719 b | 50.342 b | 1.01554 | 795.287 b | 6.84386 b | 5.37159 b |
| JEFF-3.3 | 47.6662 b | 47.6662 b | 48.582 b | 1.0192 | 787.781 b | 7.04634 b | 5.36794 b |
| JENDL-4.0u | 47.5032 b | 47.5032 b | 48.294 b | 1.01664 | 744.603 b | 6.85002 b | 5.343 b |
| BROND-3.1 | 47.5032 b | 47.5032 b | 48.294 b | 1.01664 | 744.603 b | 6.85002 b | 5.343 b |
| CENDL-3.2 | 50.6795 b | 50.6795 b | 51.479 b | 1.01578 | 812.1 b | 7.0656 b | 5.3896 b |
| TENDL-2019 | 47.9003 b | 47.9003 b | 48.644 b | 1.01552 | 817.976 b | 6.99513 b | 5.34288 b |

| | | |
|------------------|------------------------|---------------|
| << 72-Hf-178 | 72-Hf-179 | 72-Hf-180 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



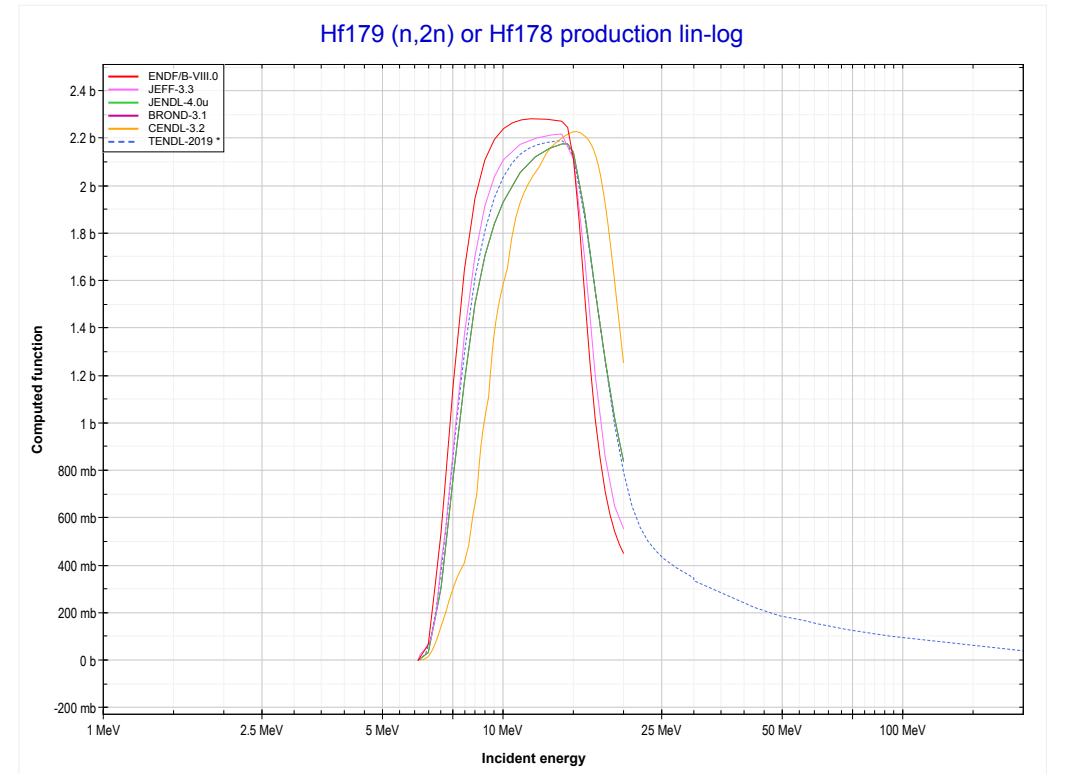
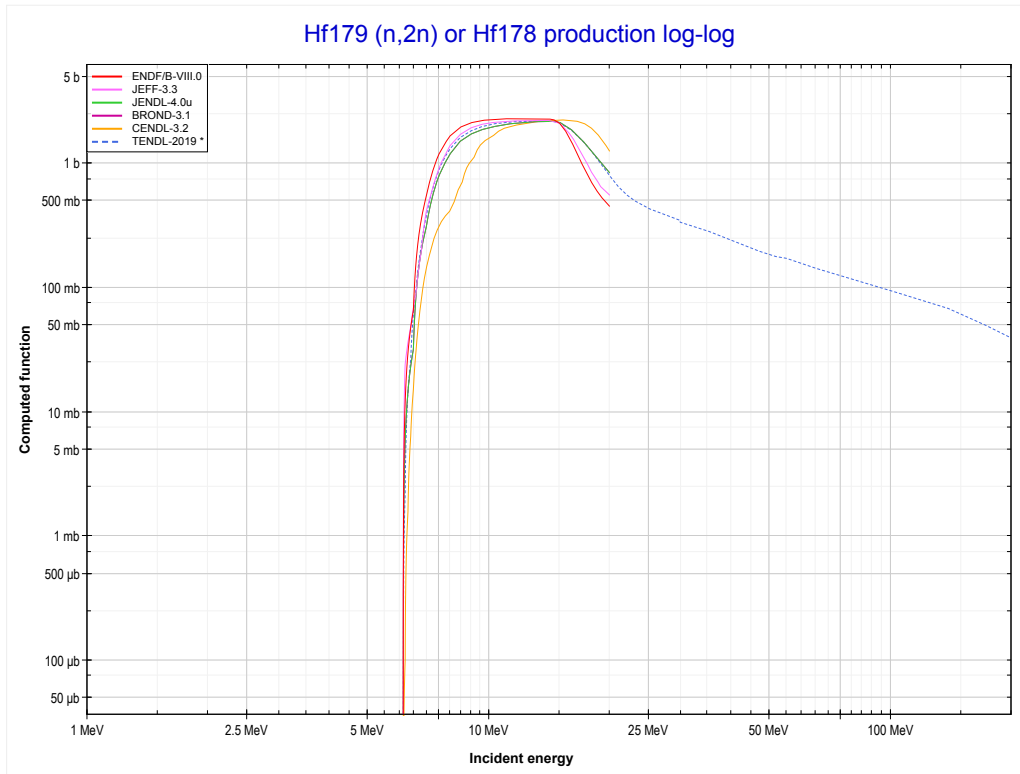
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.77592 b | 6.77592 b | 7.6213 b | 1.12476 | 272.051 b | 4.14455 b | 2.78895 b |
| JEFF-3.3 | 7.78989 b | 7.78989 b | 8.7665 b | 1.12537 | 257.142 b | 4.40049 b | 2.8044 b |
| JENDL-4.0u | 7.00435 b | 7.00435 b | 7.8786 b | 1.12481 | 238.032 b | 4.09485 b | 2.72944 b |
| BROND-3.1 | 7.00435 b | 7.00435 b | 7.8786 b | 1.12481 | 238.032 b | 4.09485 b | 2.72944 b |
| CENDL-3.2 | 7.09462 b | 7.09462 b | 7.9809 b | 1.12492 | 263.765 b | 4.83598 b | 2.6453 b |
| TENDL-2019 | 6.94683 b | 6.94683 b | 7.8116 b | 1.12448 | 301.438 b | 4.36942 b | 2.80437 b |

| | | |
|--------------------|---|----------------|
| << 72-Hf-178 | 72-Hf-179 | 72-Hf-180 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Hf179 production) | MT16 (n,2n) >> |



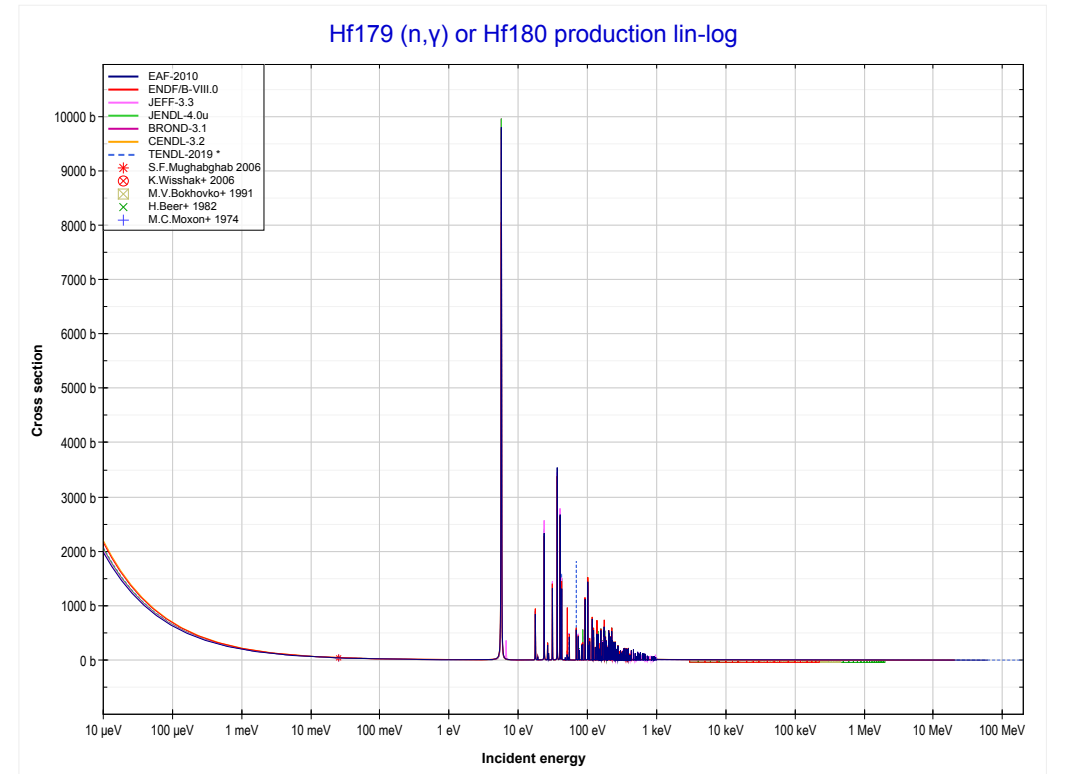
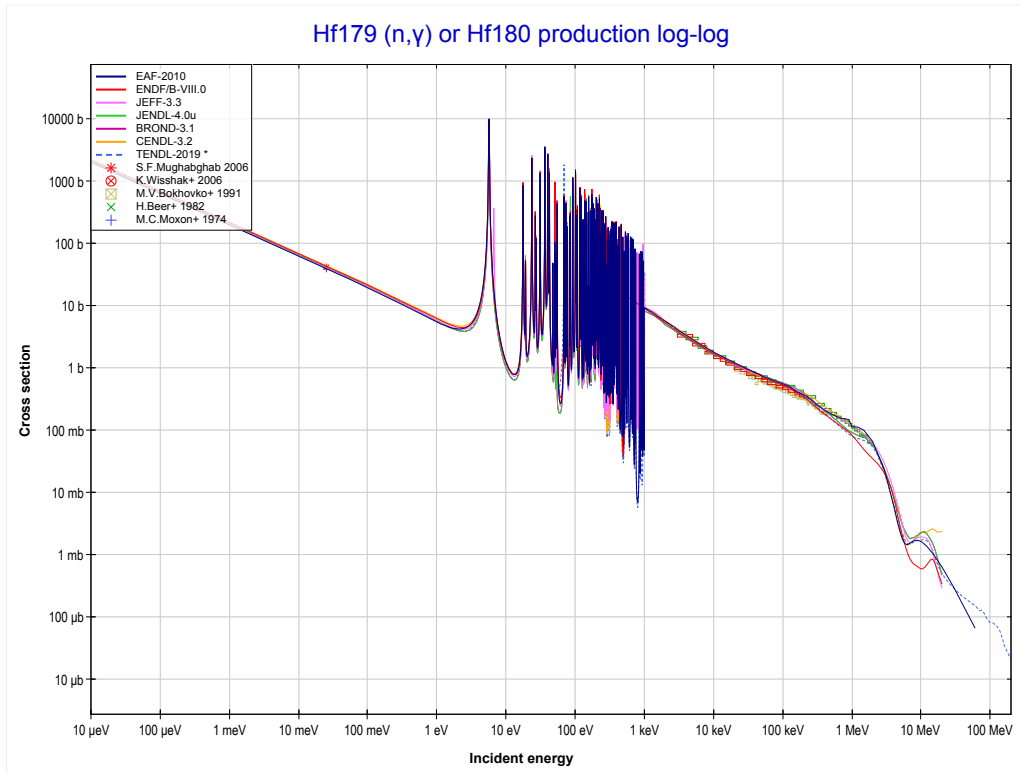
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.58846 b | 0.300857 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51464 b | 0.336946 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.63524 b | 0.429399 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63524 b | 0.429399 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.10849 b | 0.5337 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.51492 b | 0.339144 b |

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|---------------|--|-------------------------|
| << 72-Hf-176 | 72-Hf-179 | 72-Hf-180 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Hf178 production) | MT102 (n, γ) >> |



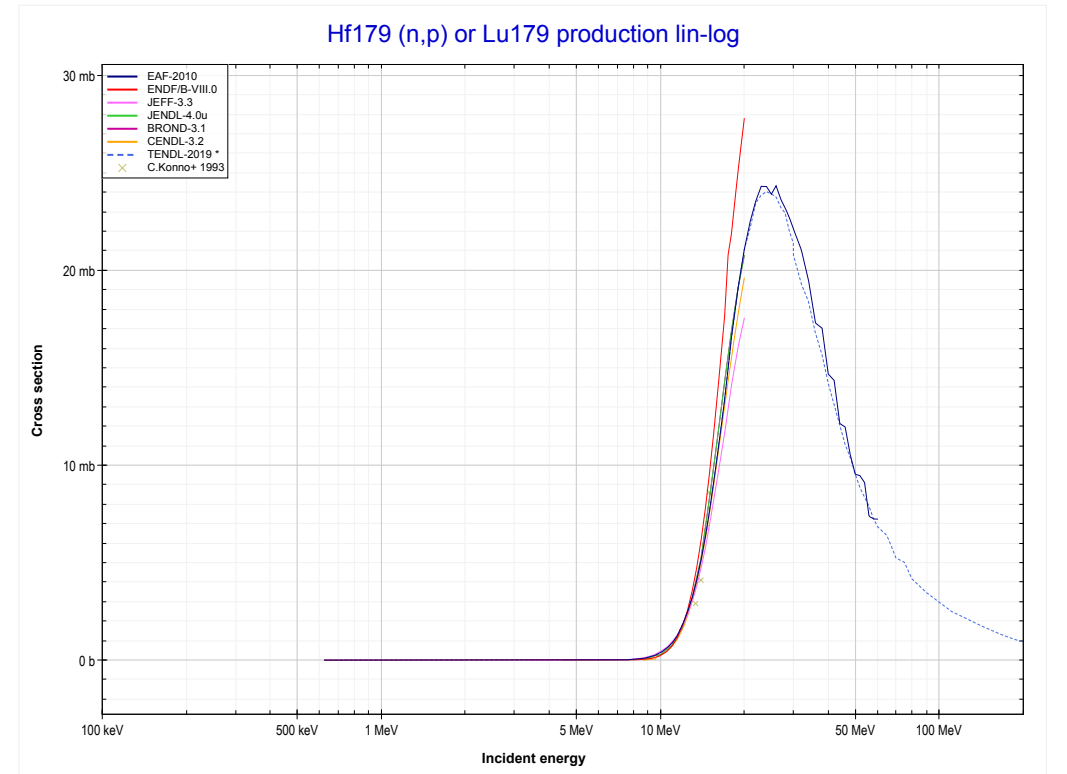
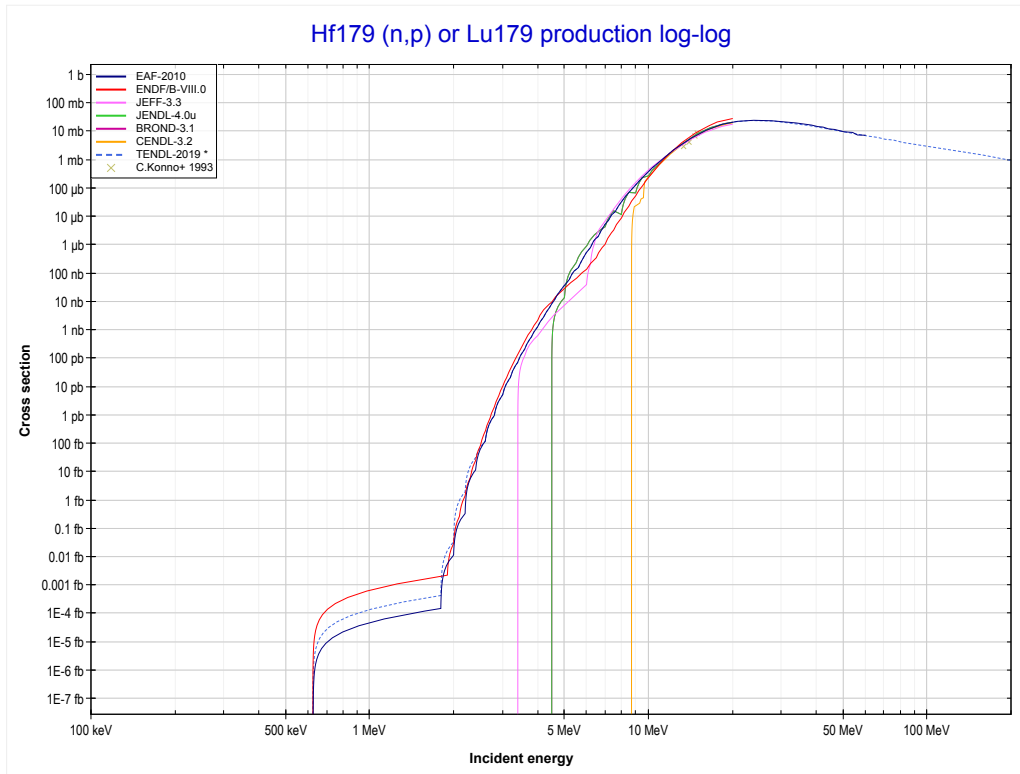
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.026476 b | 2.27275 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0224935 b | 2.21857 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.019912 b | 2.176 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.019912 b | 2.176 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0114922 b | 2.2001 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0215952 b | 2.1902 b |

| | | |
|----------------|--|----------------|
| << 72-Hf-178n | 72-Hf-179 | 72-Hf-180 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Hf180 production) | MT103 (n,p) >> |



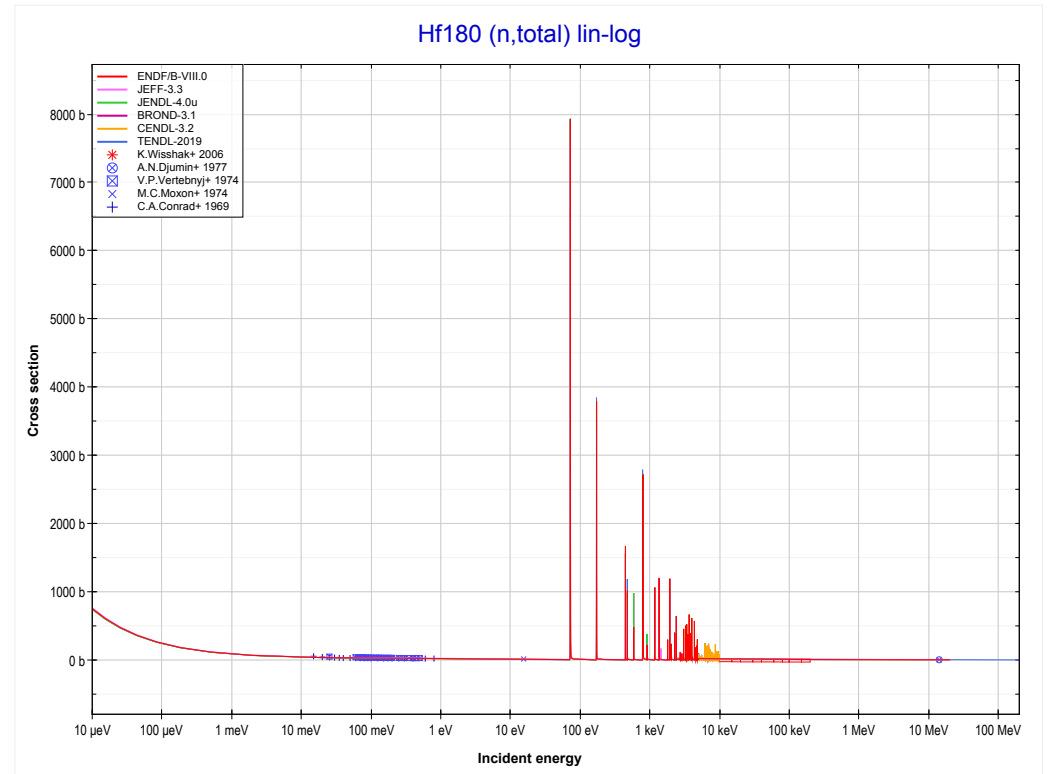
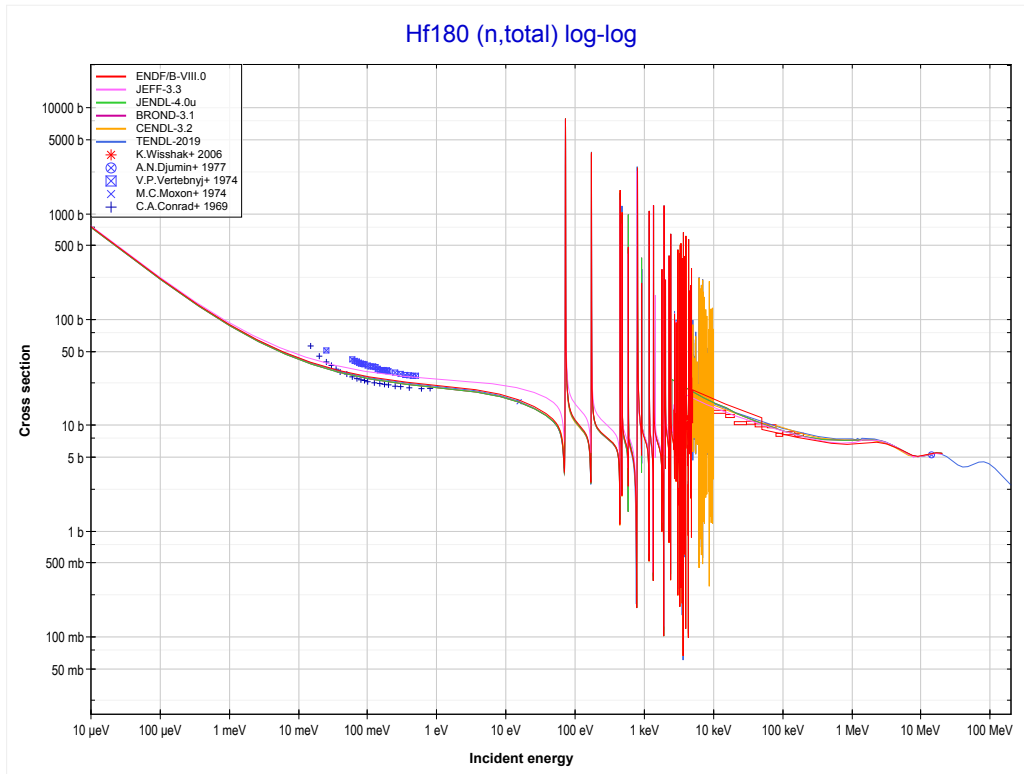
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 39.1498 b | 39.12 b | 38.982 b | 0.99647 | 543.096 b | 0.110141 b | 0.00113222 b |
| ENDF/B-VIII.0 | 42.7959 b | 42.7959 b | 42.721 b | 0.99825 | 523.235 b | 0.0843244 b | 8.41629E-4 b |
| JEFF-3.3 | 39.8763 b | 39.8763 b | 39.815 b | 0.99846 | 530.639 b | 0.108674 b | 0.00133056 b |
| JENDL-4.0u | 40.4988 b | 40.4988 b | 40.415 b | 0.99794 | 506.571 b | 0.0999818 b | 0.001688 b |
| BROND-3.1 | 40.4988 b | 40.4988 b | 40.415 b | 0.99794 | 506.571 b | 0.0999818 b | 0.001688 b |
| CENDL-3.2 | 43.5849 b | 43.5849 b | 43.498 b | 0.99801 | 548.322 b | 0.112036 b | 0.0025434 b |
| TENDL-2019 | 40.9534 b | 40.9534 b | 40.832 b | 0.99704 | 516.533 b | 0.0903842 b | 0.00132895 b |

| | | |
|-------------------------|--|----------------------------|
| << 72-Hf-178 | 72-Hf-179 | 72-Hf-180 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Lu179 production) | 72-Hf-180 MT1 (n,total) >> |



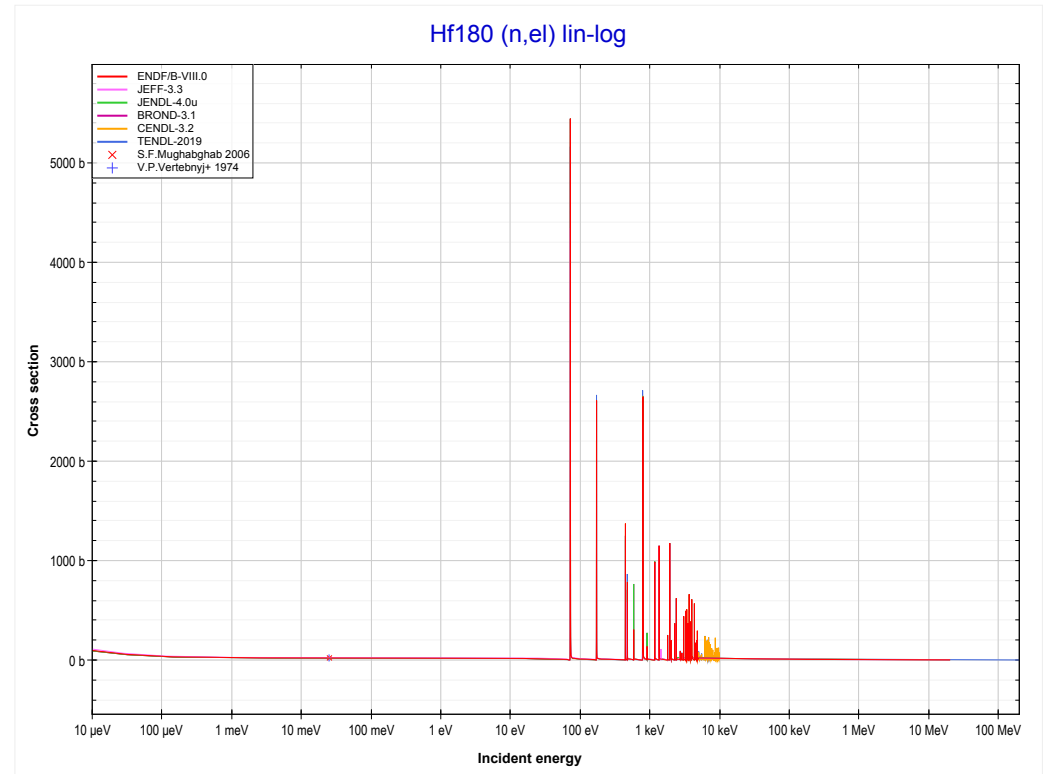
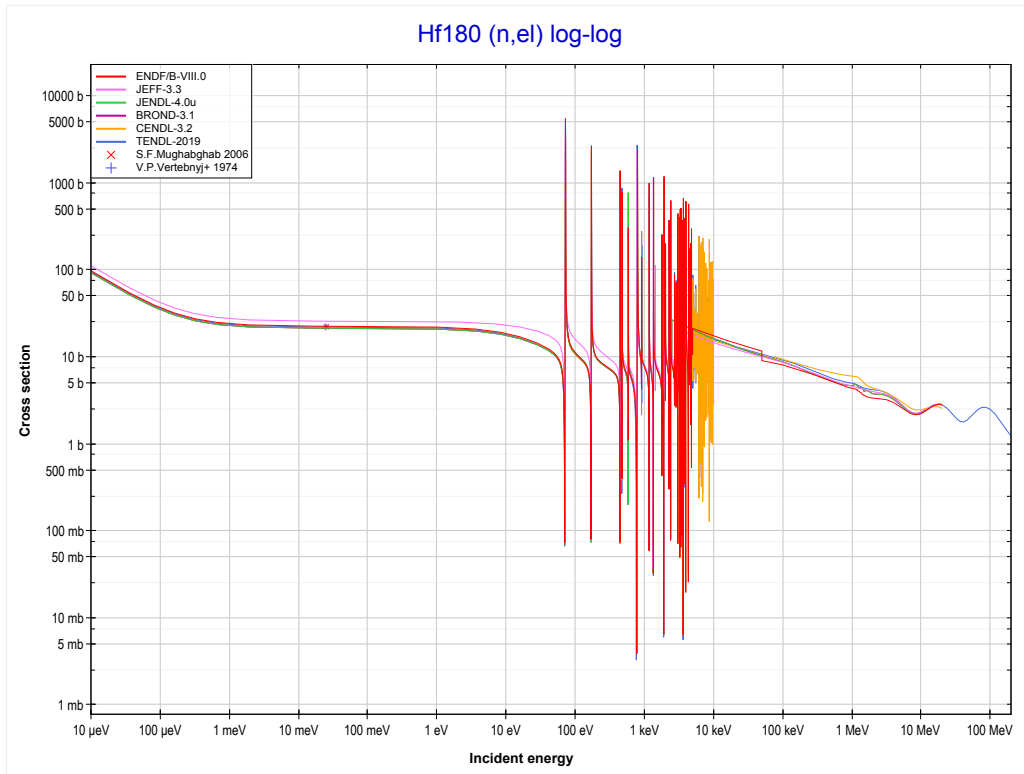
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.12427E-6 b | 0.00512623 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.79588E-6 b | 0.00614032 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.18523E-6 b | 0.00471869 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.91389E-6 b | 0.005231 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91389E-6 b | 0.005231 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.08612E-6 b | 0.0050066 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.12427E-6 b | 0.00512623 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 72-Hf-179 | 72-Hf-180 | 73-Ta-180m >> |
| << 72-Hf-179 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



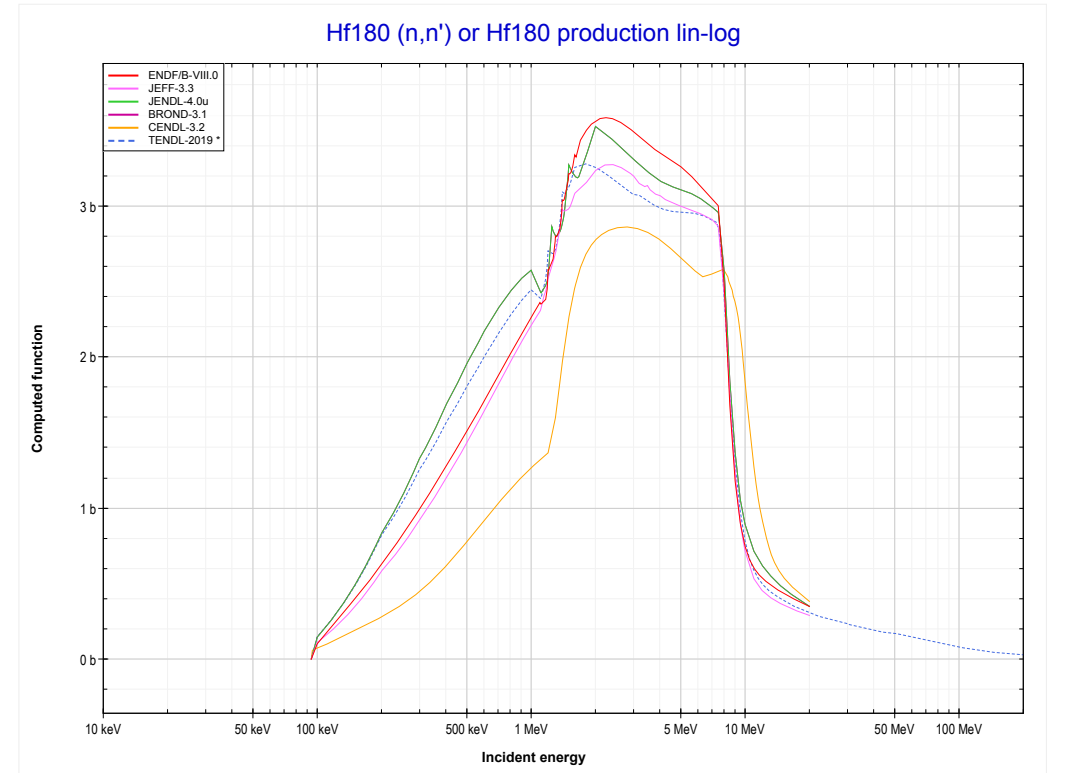
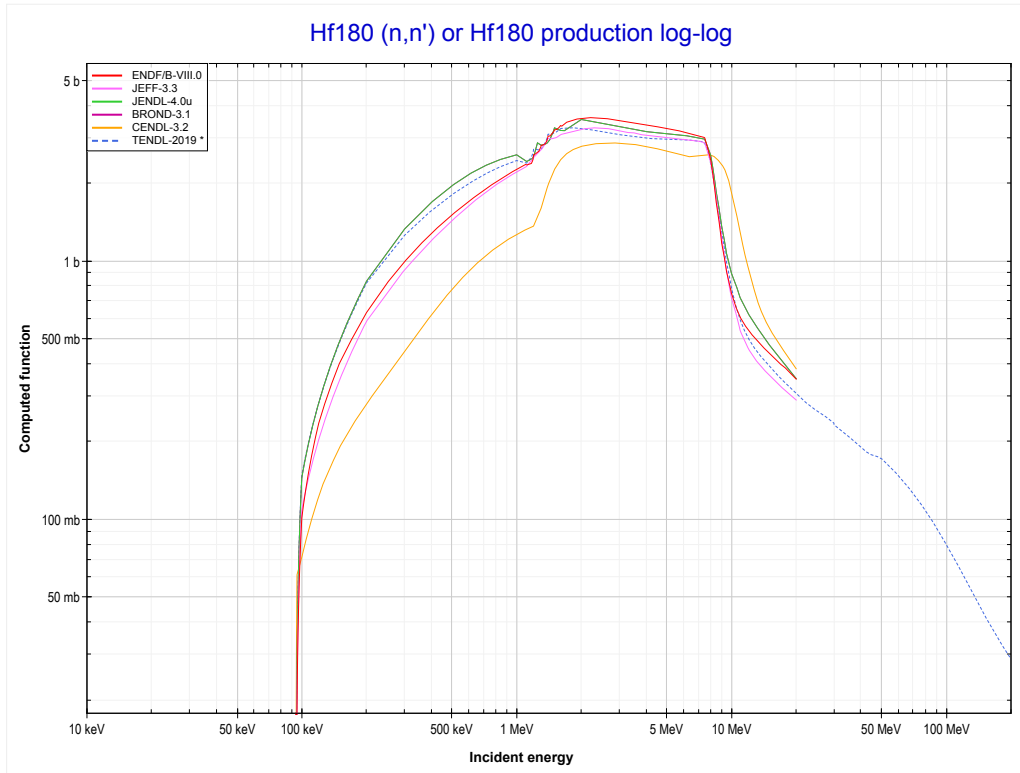
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 35.4404 b | 35.4404 b | 38.298 b | 1.08062 | 278.553 b | 6.73664 b | 5.38374 b |
| JEFF-3.3 | 38.614 b | 38.614 b | 41.89 b | 1.08485 | 294.468 b | 6.95128 b | 5.34918 b |
| JENDL-4.0u | 34.1283 b | 34.1283 b | 36.837 b | 1.07938 | 273.263 b | 7.10854 b | 5.359 b |
| BROND-3.1 | 34.1283 b | 34.1283 b | 36.837 b | 1.07938 | 273.263 b | 7.10854 b | 5.359 b |
| CENDL-3.2 | 34.2213 b | 34.2213 b | 36.928 b | 1.07909 | 259.355 b | 7.081 b | 5.4003 b |
| TENDL-2019 | 34.9352 b | 34.9352 b | 37.725 b | 1.07986 | 268.487 b | 7.26839 b | 5.36083 b |

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|------------------|------------------------|---------------|
| << 72-Hf-179 | 72-Hf-180 | 73-Ta-181 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



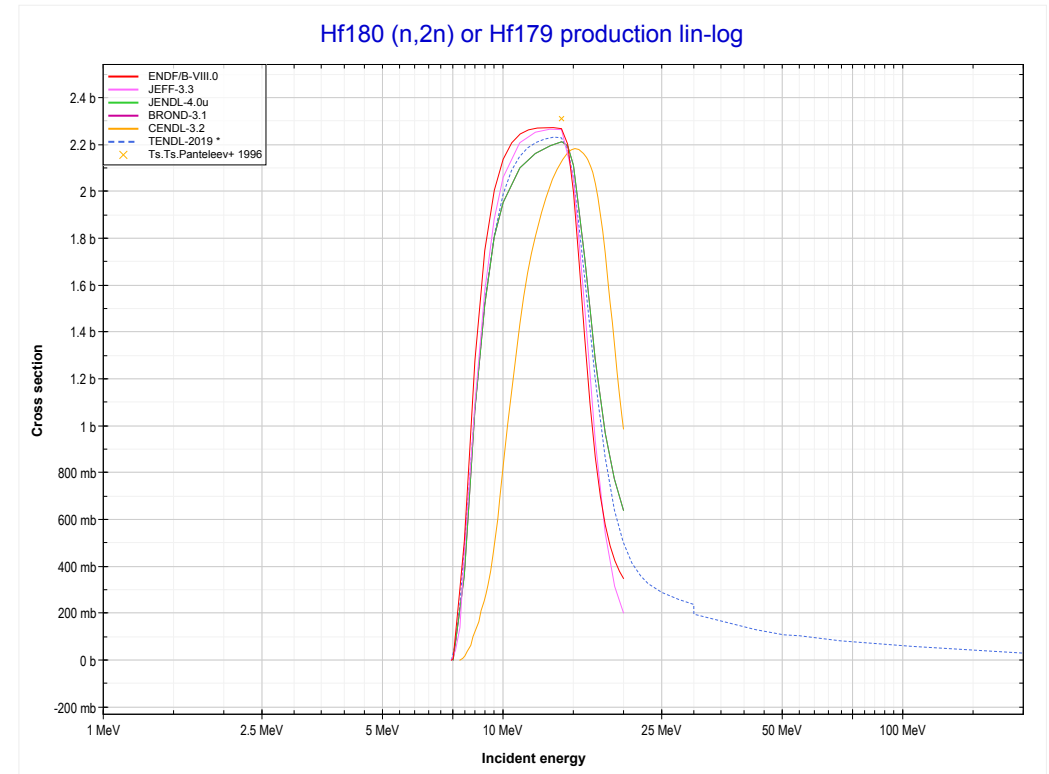
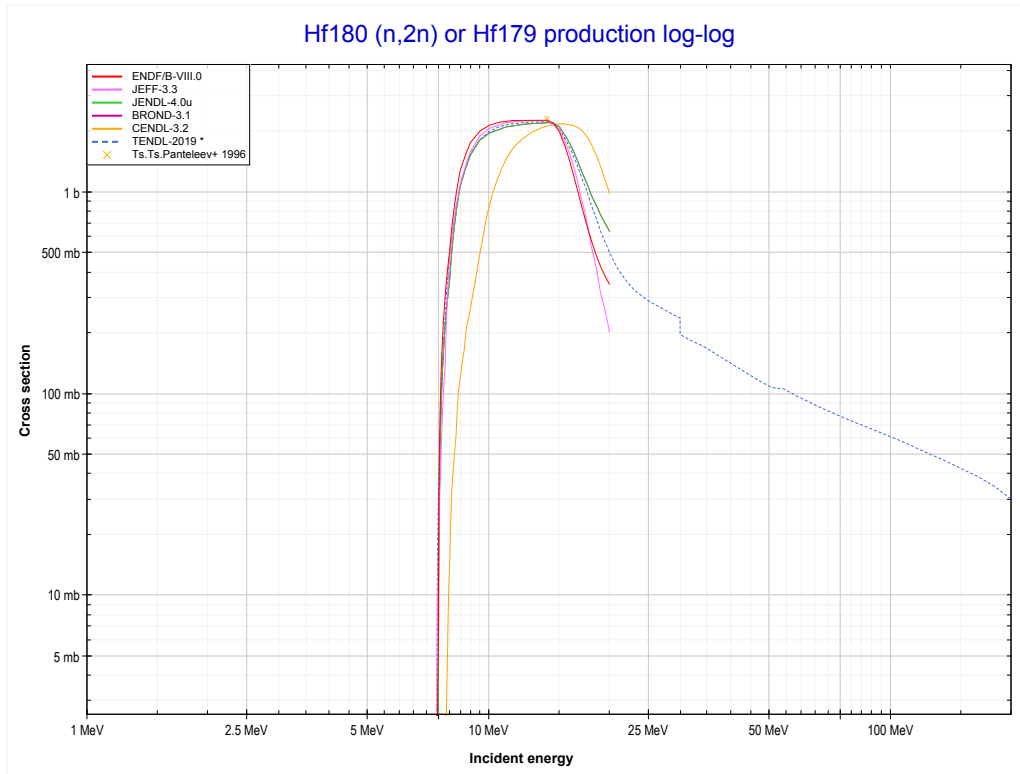
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.3672 b | 22.3672 b | 25.225 b | 1.12778 | 249.474 b | 4.02672 b | 2.645 b |
| JEFF-3.3 | 25.5551 b | 25.5551 b | 28.828 b | 1.12809 | 257.499 b | 4.40873 b | 2.6944 b |
| JENDL-4.0u | 21.2072 b | 21.2072 b | 23.917 b | 1.12778 | 244.064 b | 4.34286 b | 2.62986 b |
| BROND-3.1 | 21.2072 b | 21.2072 b | 23.917 b | 1.12778 | 244.064 b | 4.34286 b | 2.62986 b |
| CENDL-3.2 | 21.212 b | 21.212 b | 23.924 b | 1.12785 | 225.108 b | 5.11433 b | 2.6509 b |
| TENDL-2019 | 21.8739 b | 21.8739 b | 24.67 b | 1.12782 | 237.055 b | 4.64338 b | 2.70563 b |

| | | |
|--------------------|---|----------------|
| << 72-Hf-179 | 72-Hf-180 | 72-Hf-180m >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Hf180 production) | MT16 (n,2n) >> |



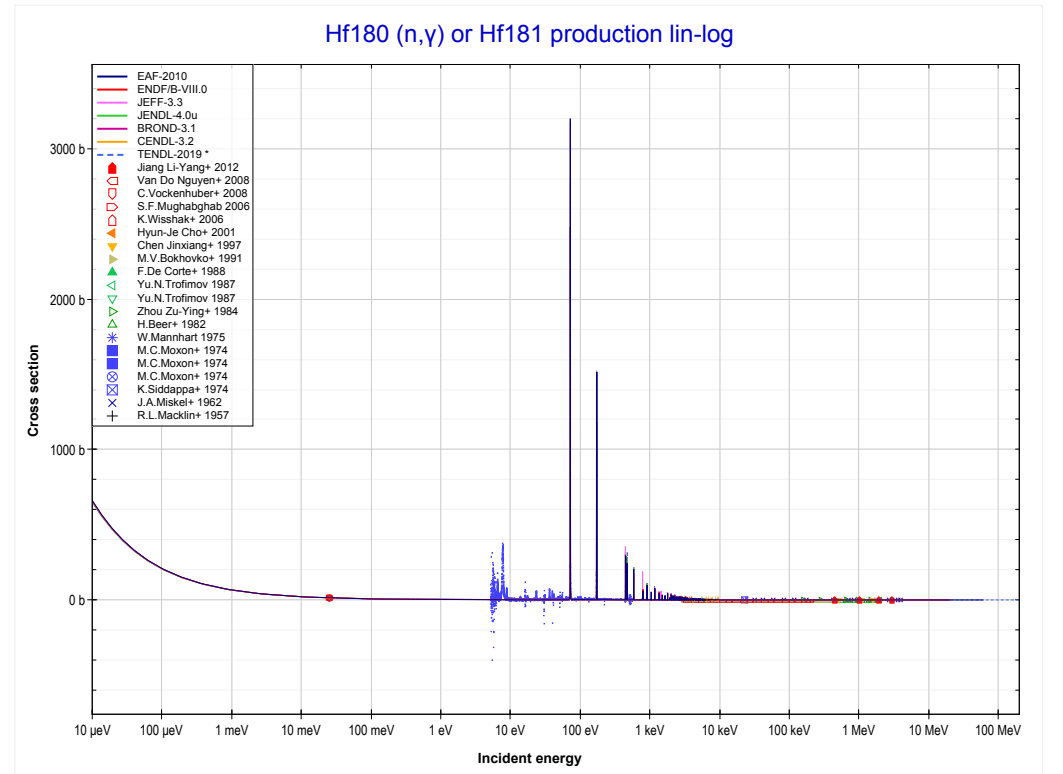
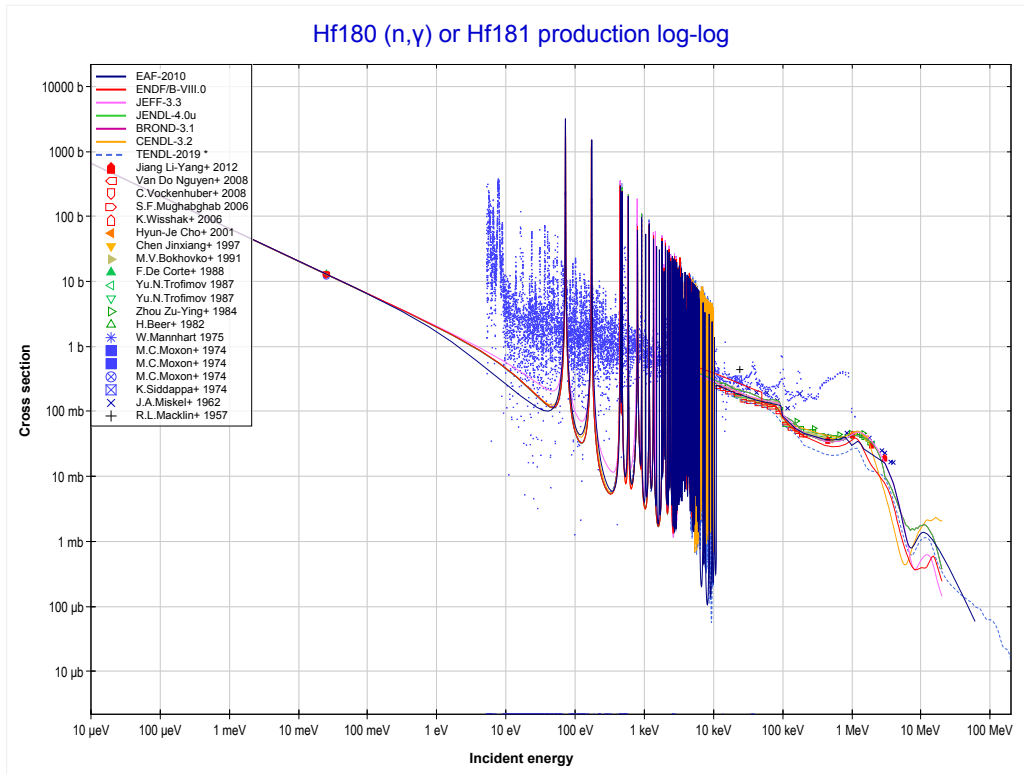
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.00317684 b | 2.67338 b | 0.464354 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.00342016 b | 2.49745 b | 0.382554 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.0045537 b | 2.72292 b | 0.511956 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0045537 b | 2.72292 b | 0.511956 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.00376216 b | 1.9348 b | 0.61644 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.004658 b | 2.59431 b | 0.417561 b |

| | | |
|---------------|--|-------------------------|
| << 72-Hf-179 | 72-Hf-180 | 73-Ta-181 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Hf179 production) | MT102 (n, γ) >> |



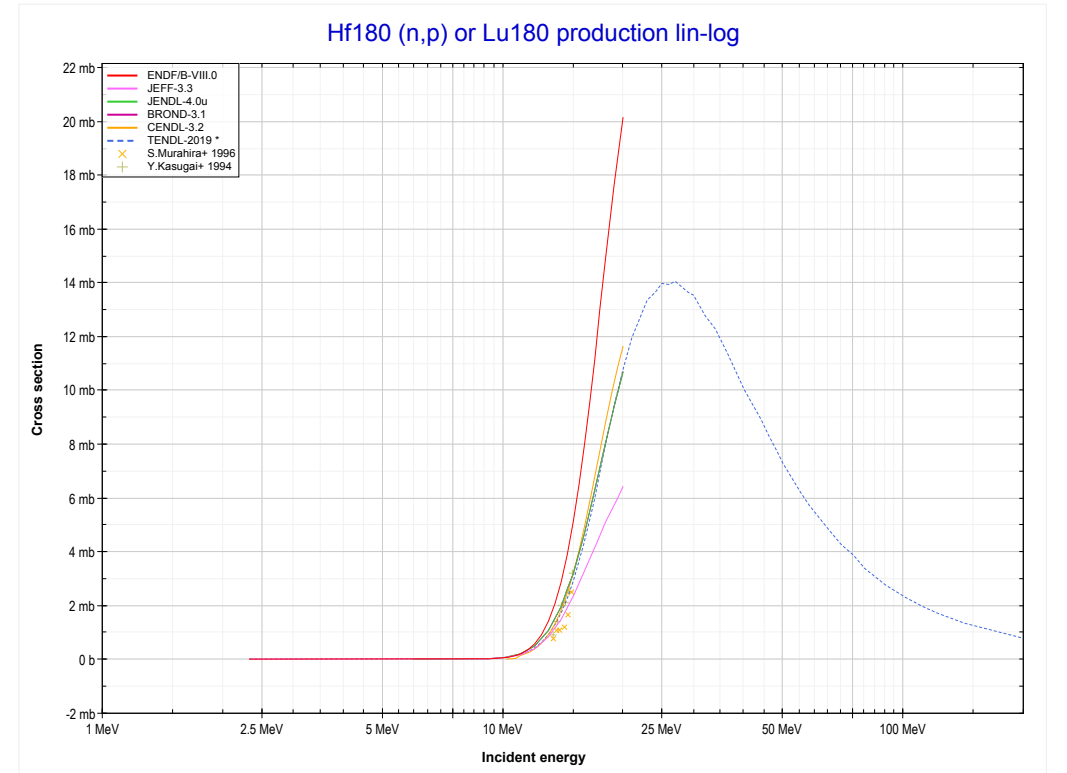
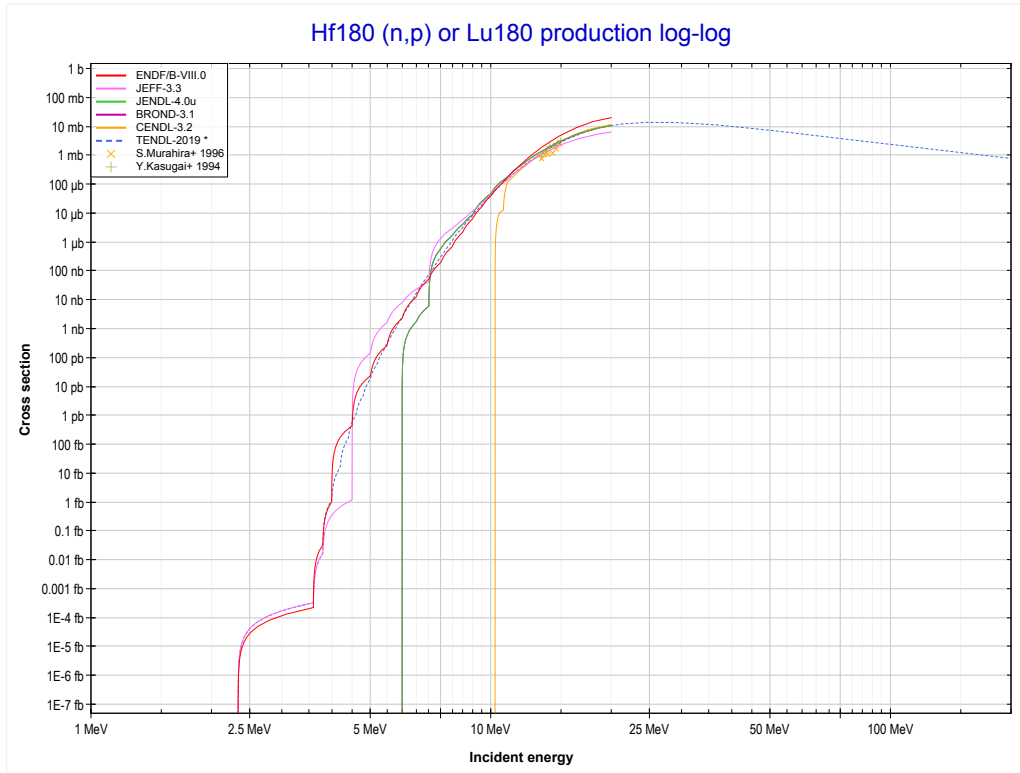
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0134719 b | 2.26715 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0122883 b | 2.26311 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0118108 b | 2.212 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0118108 b | 2.212 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00425042 b | 2.1278 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0122072 b | 2.22802 b |

| | | |
|----------------|--|----------------|
| << 72-Hf-179 | 72-Hf-180 | 72-Hf-181 >> |
| << MT16 (n,2n) | MT102 (n,y) or MT5 (Hf181 production) | MT103 (n,p) >> |



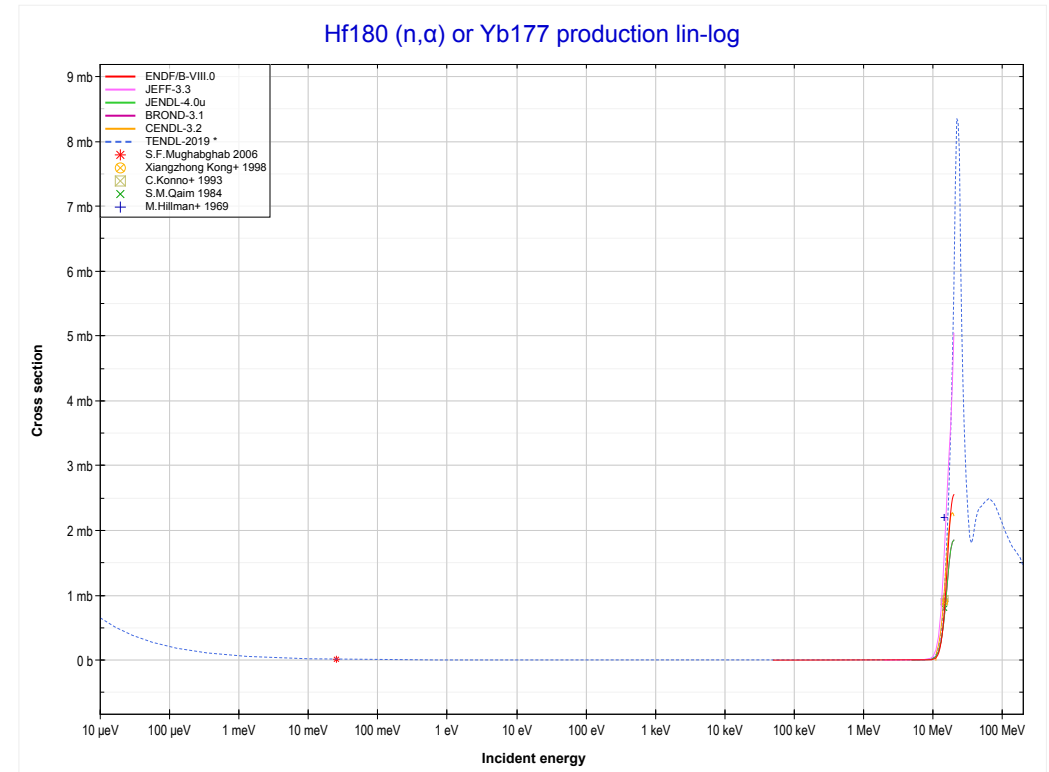
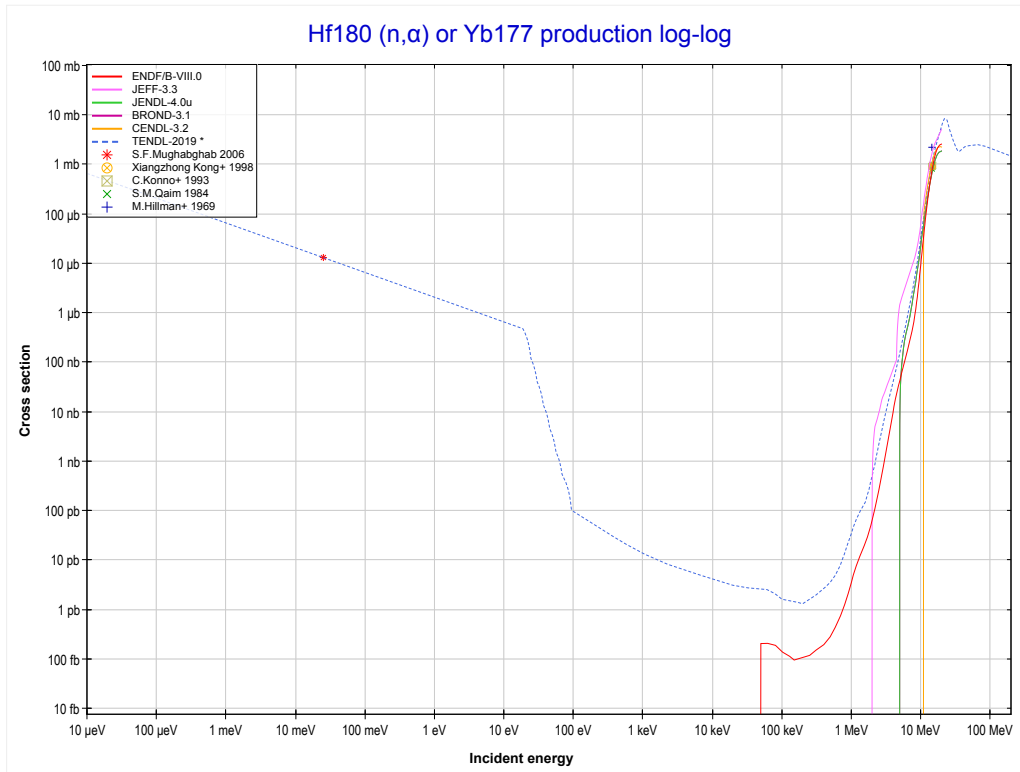
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 13.0784 b | 13.0685 b | 13.026 b | 0.99671 | 35.4343 b | 0.0268901 b | 0.00113118 b |
| ENDF/B-VIII.0 | 13.0732 b | 13.0732 b | 13.072 b | 0.99995 | 29.0761 b | 0.0229984 b | 5.5335E-4 b |
| JEFF-3.3 | 13.0589 b | 13.0589 b | 13.062 b | 1.00024 | 36.9656 b | 0.0327487 b | 5.50224E-4 b |
| JENDL-4.0u | 12.9211 b | 12.9211 b | 12.92 b | 0.99994 | 29.195 b | 0.0309121 b | 0.00135 b |
| BROND-3.1 | 12.9211 b | 12.9211 b | 12.92 b | 0.99994 | 29.195 b | 0.0309121 b | 0.00135 b |
| CENDL-3.2 | 13.0093 b | 13.0093 b | 13.004 b | 0.99956 | 34.2458 b | 0.0301949 b | 0.0020802 b |
| TENDL-2019 | 13.0613 b | 13.0613 b | 13.055 b | 0.99954 | 31.43 b | 0.0176216 b | 9.28649E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 72-Hf-179 | 72-Hf-180 | 73-Ta-181 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Lu180 production) | MT107 (n, α) >> |



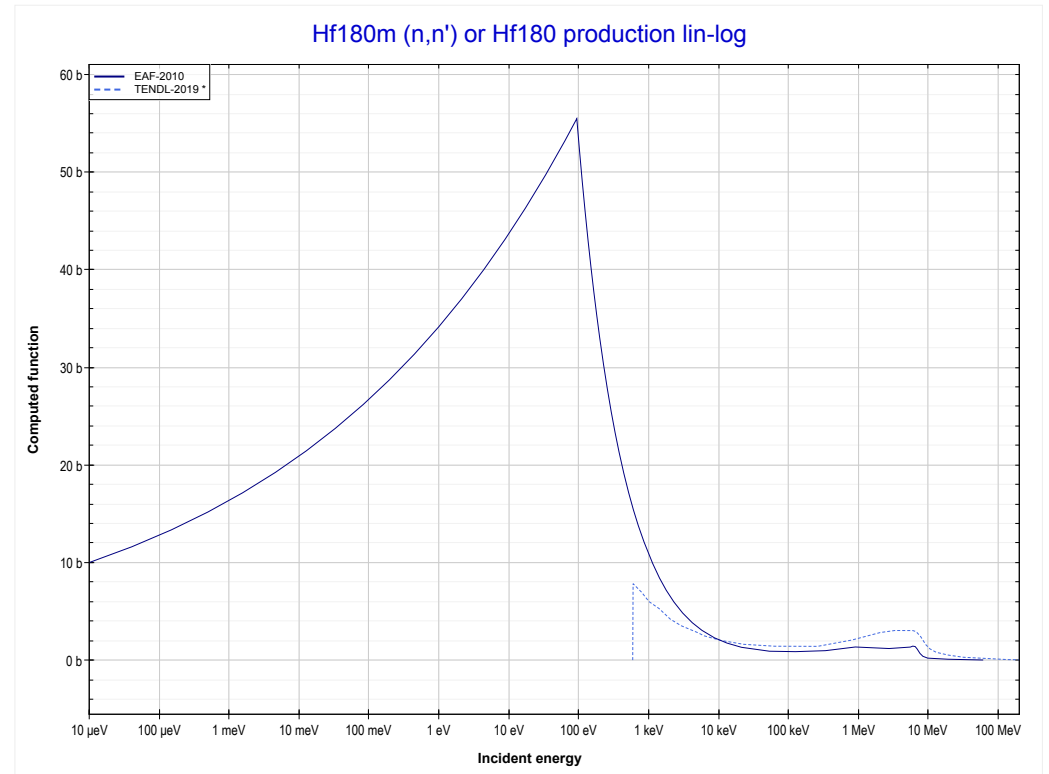
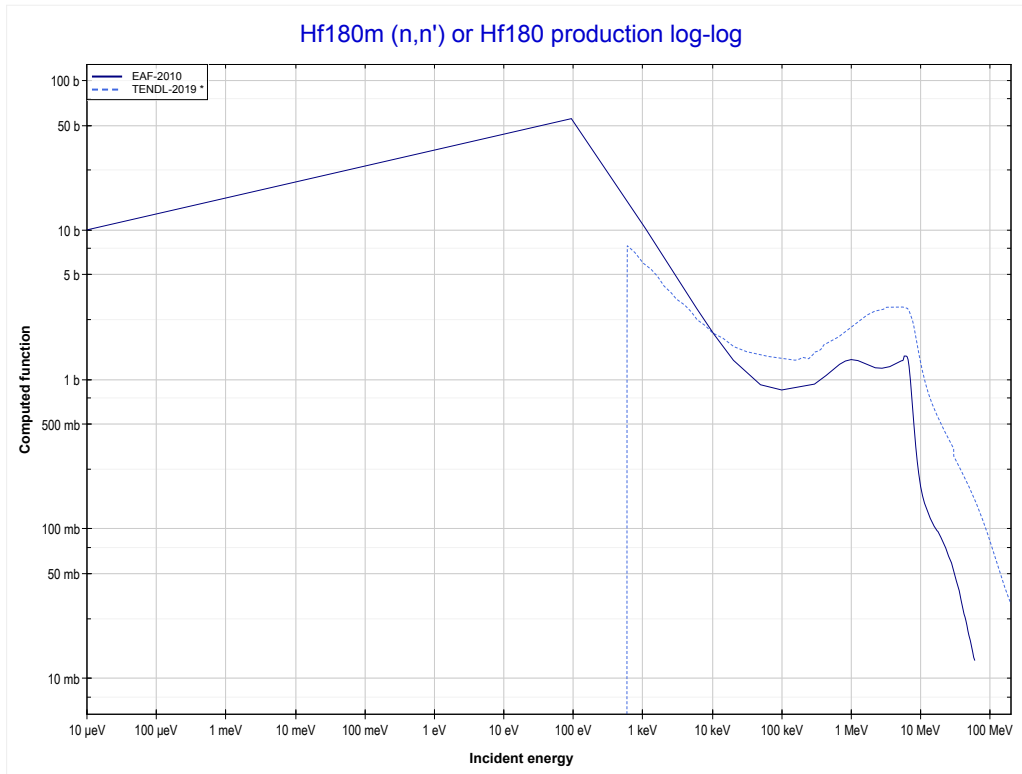
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.48265E-6 b | 0.00284624 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.66156E-7 b | 0.00146604 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.12007E-6 b | 0.001935 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.12007E-6 b | 0.001935 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.63763E-7 b | 0.0018045 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.70153E-7 b | 0.00170852 b |

| | | |
|----------------|--|--------------------------|
| << 72-Hf-178 | 72-Hf-180 | 73-Ta-181 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Yb177 production) | 72-Hf-180m MT4 (n,n') >> |



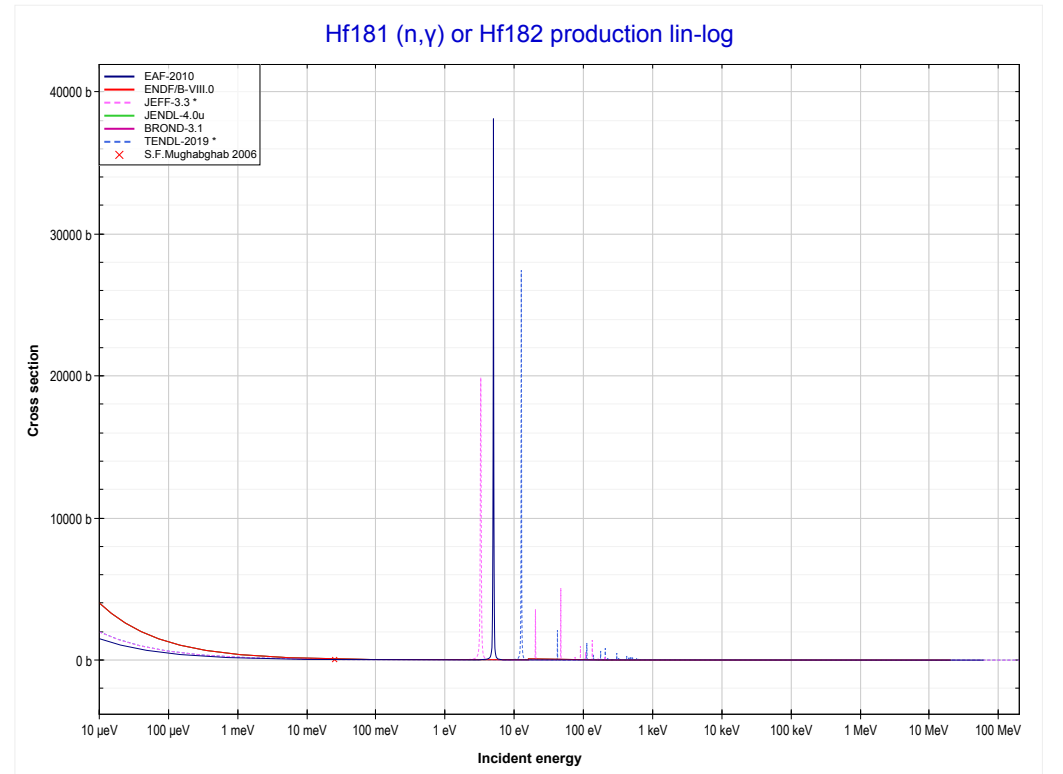
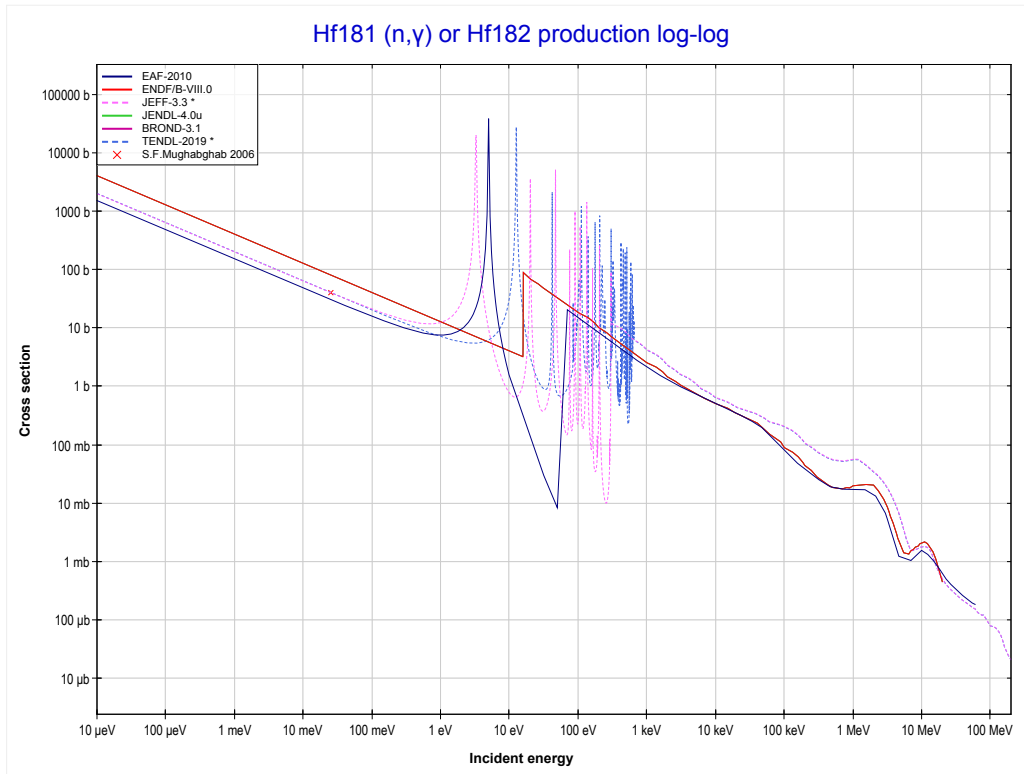
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.32155E-13 b | 2.8427E-7 b | 5.33396E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.07769E-6 b | 0.0013014 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.42001E-7 b | 4.997E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.42001E-7 b | 4.997E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.83158E-7 b | 8.2914E-4 b |
| TENDL-2019 | 1.29981E-5 b | 1.29981E-5 b | 1.2995E-5 b | 0.99978 | 5.00268E-6 b | 5.42855E-7 b | 7.78449E-4 b |

| | | |
|-----------------------------------|---|-----------------------------------|
| << 72-Hf-180 | 72-Hf-180m | 73-Ta-181 >> |
| << 72-Hf-180 MT107 (n, α) | MT4 (n,n') or MT5 (Hf180 production) | 72-Hf-181 MT102 (n, γ) >> |



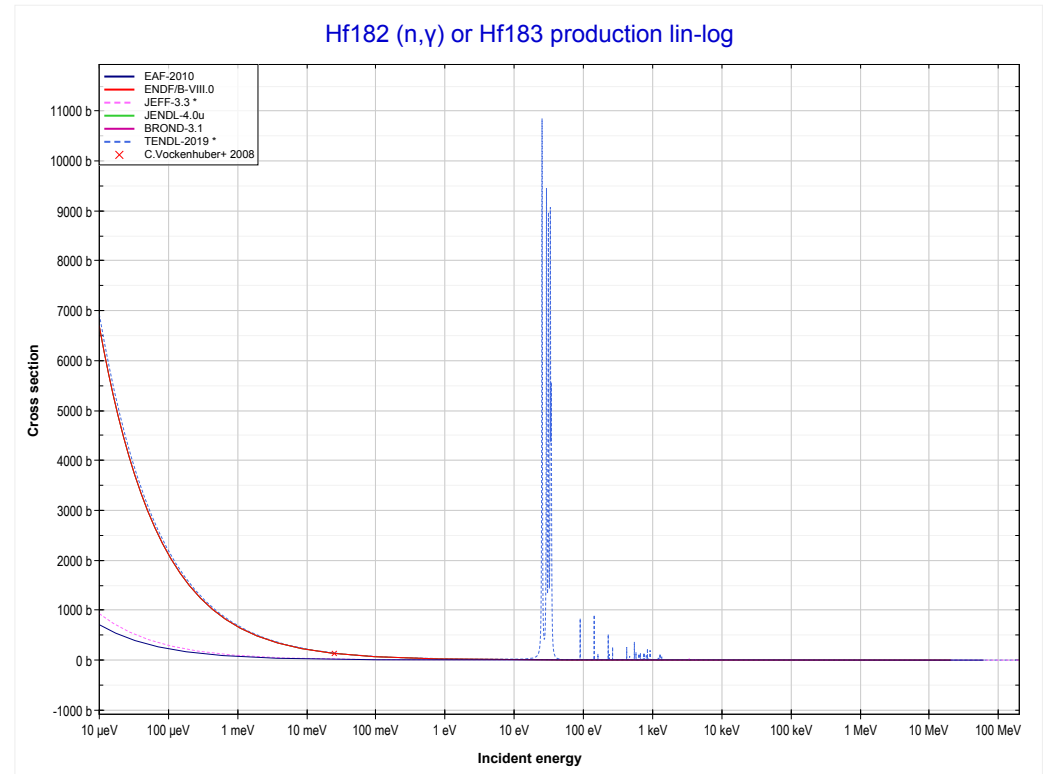
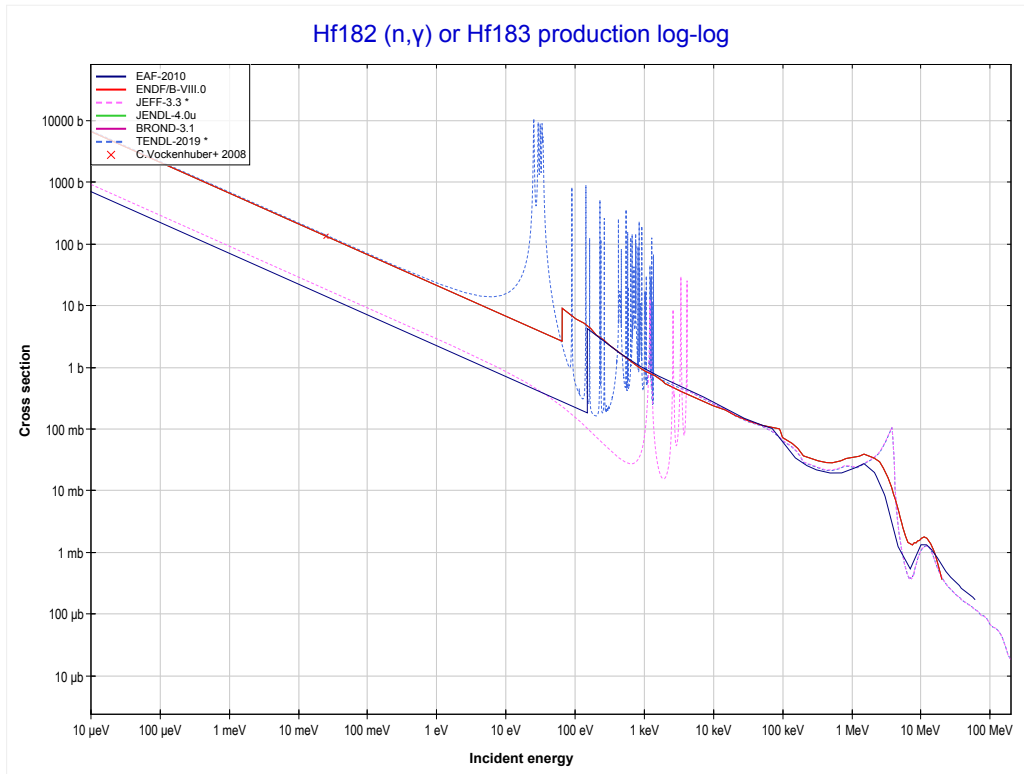
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 23.0783 b | 23.082 b | 27.34 b | 1.18554 | 302.469 b | 1.21181 b | 0.115465 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 15.802 b | 2.46581 b | 0.723766 b |

| | | |
|--------------------------|--|-----------------------------------|
| << 72-Hf-180 | 72-Hf-181 | 72-Hf-182 >> |
| << 72-Hf-180m MT4 (n,n') | MT102 (n,γ) or MT5 (Hf182 production) | 72-Hf-182 MT102 (n, γ) >> |



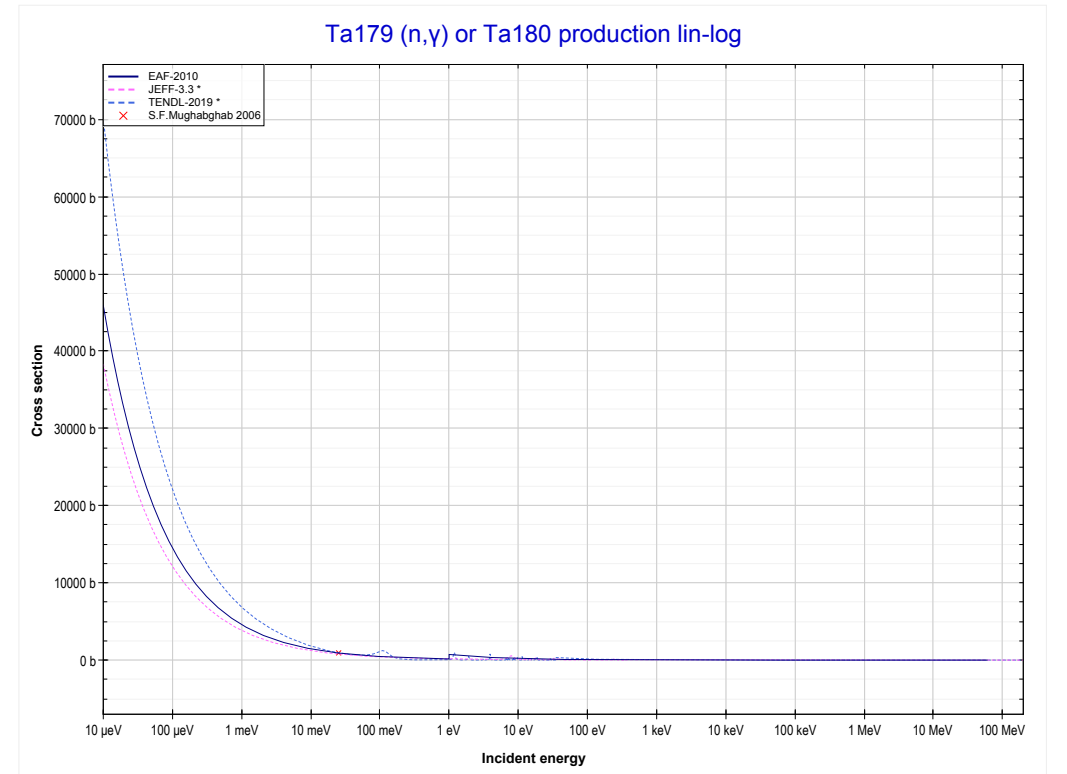
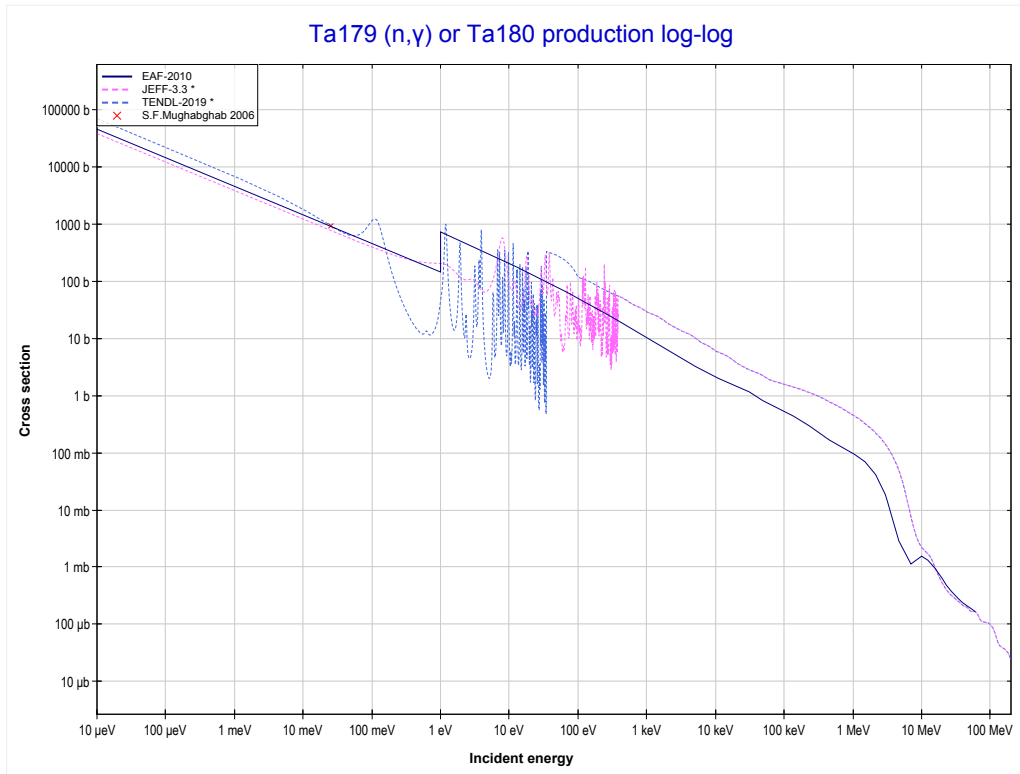
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 30.3323 b | 30.3099 b | 30.492 b | 1.00601 | 1101.53 b | 0.01671 b | 0.00113 b |
| ENDF/B-VIII.0 | 80.0214 b | 80.0214 b | 80.055 b | 1.00042 | 132.164 b | 0.0199126 b | 0.001592 b |
| JEFF-3.3 | 39.8644 b | 39.8644 b | 40.17 b | 1.00767 | 1082.75 b | 0.0461215 b | 0.00137911 b |
| JENDL-4.0u | 80.0214 b | 80.0214 b | 80.055 b | 1.00042 | 132.164 b | 0.0199126 b | 0.001592 b |
| BROND-3.1 | 80.0214 b | 80.0214 b | 80.055 b | 1.00042 | 132.164 b | 0.0199126 b | 0.001592 b |
| TENDL-2019 | 39.8084 b | 39.8084 b | 39.866 b | 1.00144 | 771.23 b | 0.0452282 b | 0.00137805 b |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 72-Hf-181 | 72-Hf-182 | 73-Ta-179 >> |
| << 72-Hf-181 MT102 (n, γ) | MT102 (n,γ) or MT5 (Hf183 production) | 73-Ta-179 MT102 (n, γ) >> |



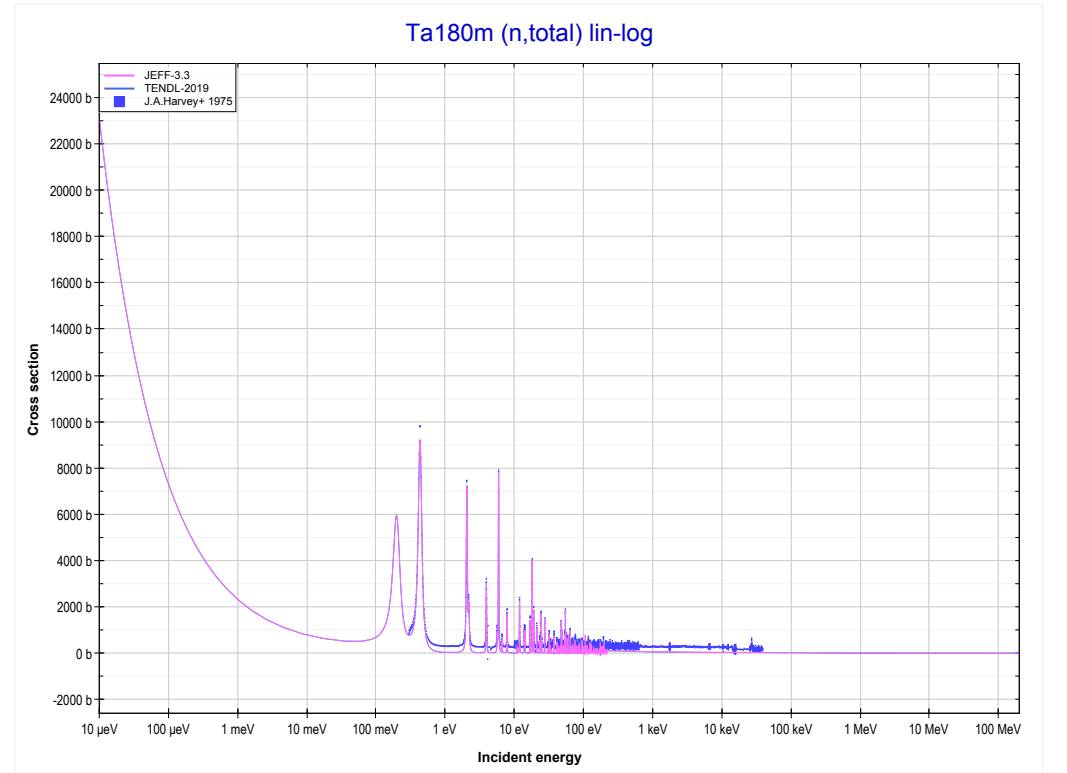
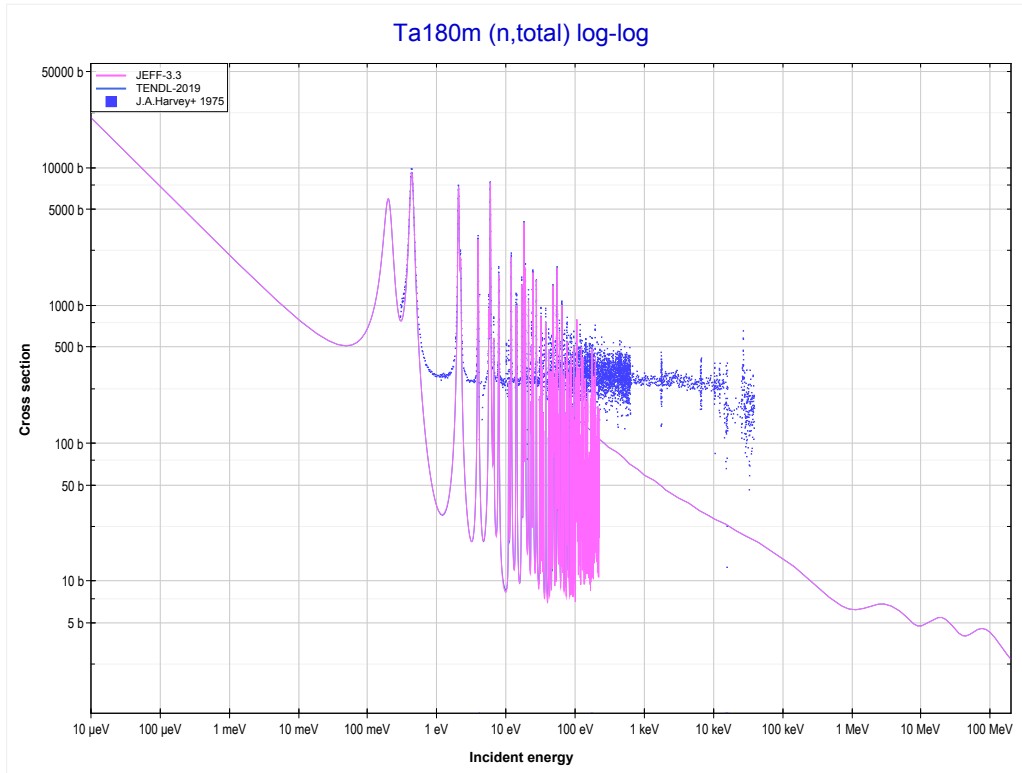
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 14.11 b | 14.0994 b | 14.1 b | 1.00006 | 11.6302 b | 0.0186905 b | 0.00113 b |
| ENDF/B-VIII.0 | 133.036 b | 133.036 b | 133.09 b | 1.00042 | 65.8132 b | 0.0295926 b | 0.001343 b |
| JEFF-3.3 | 18.4842 b | 18.4842 b | 18.489 b | 1.00024 | 9.30104 b | 0.0339246 b | 0.00107337 b |
| JENDL-4.0u | 133.036 b | 133.036 b | 133.09 b | 1.00042 | 65.8132 b | 0.0295926 b | 0.001343 b |
| BROND-3.1 | 133.036 b | 133.036 b | 133.09 b | 1.00042 | 65.8132 b | 0.0295926 b | 0.001343 b |
| TENDL-2019 | 137.986 b | 137.986 b | 138.11 b | 1.00088 | 1378.96 b | 0.0332147 b | 0.00107266 b |

| | | |
|--------------------------|--|-----------------------------|
| << 72-Hf-182 | 73-Ta-179 | 73-Ta-180m >> |
| << 72-Hf-182 MT102 (n,y) | MT102 (n,y) or MT5 (Ta180 production) | 73-Ta-180m MT1 (n,total) >> |



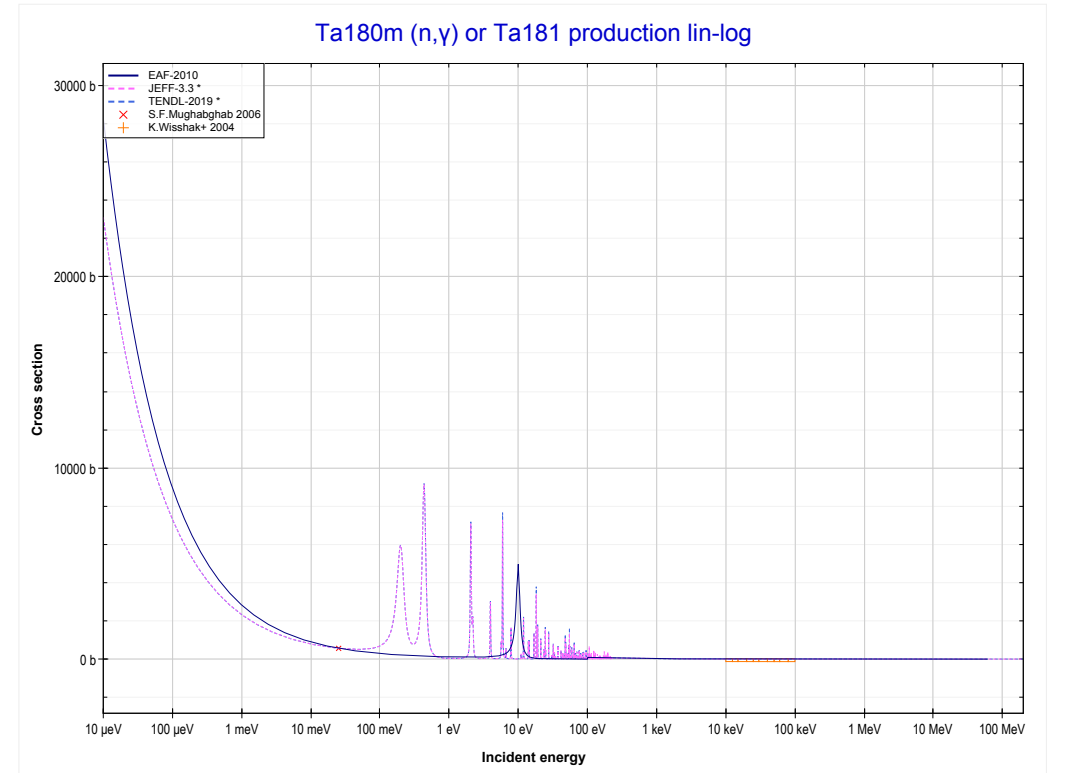
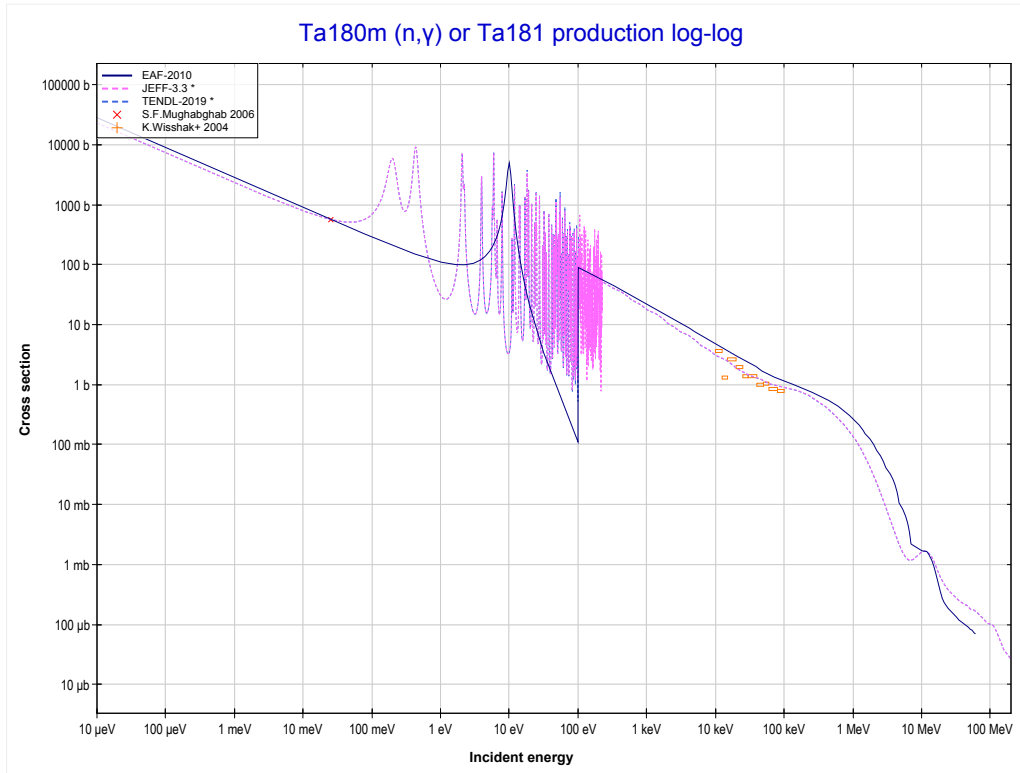
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 913 b | 912.316 b | 912.38 b | 1.00007 | 1408.24 b | 0.0933359 b | 0.00112 b |
| JEFF-3.3 | 767.634 b | 767.634 b | 770.99 b | 1.00437 | 789.002 b | 0.415209 b | 0.00137567 b |
| TENDL-2019 | 931.107 b | 931.107 b | 1099.8 b | 1.18114 | 716.988 b | 0.409448 b | 0.00137031 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 72-Hf-180 | 73-Ta-180m | 73-Ta-181 >> |
| << 73-Ta-179 MT102 (n, γ) | MT1 (n,total) | MT102 (n, γ) >> |



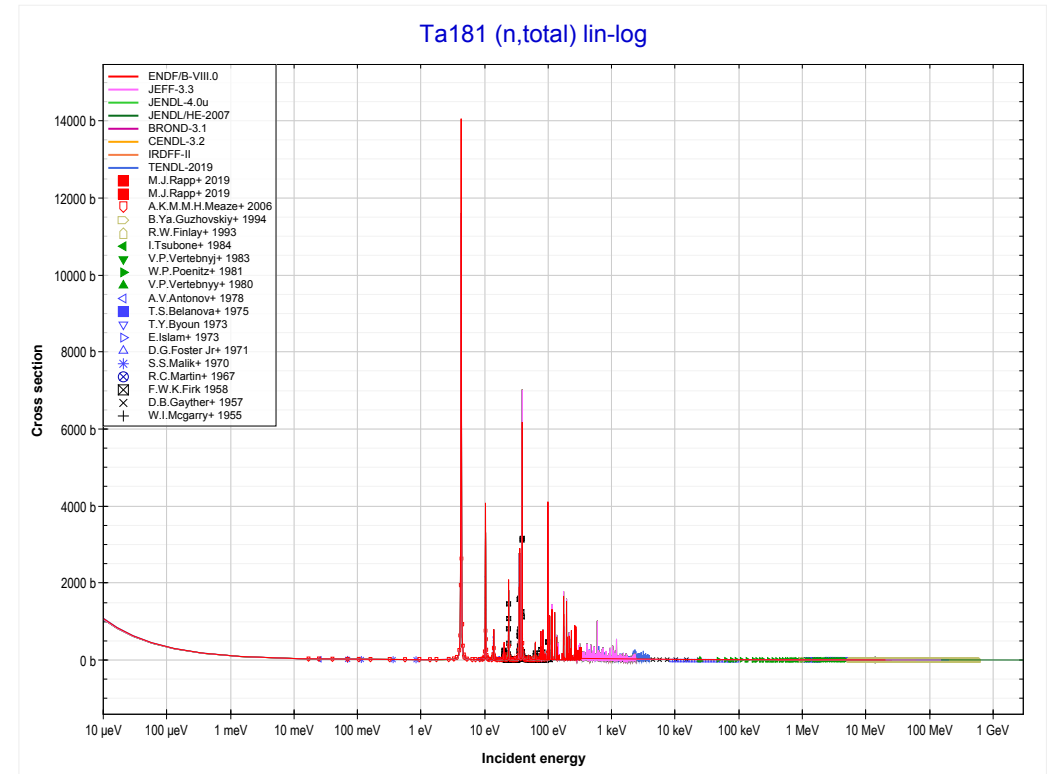
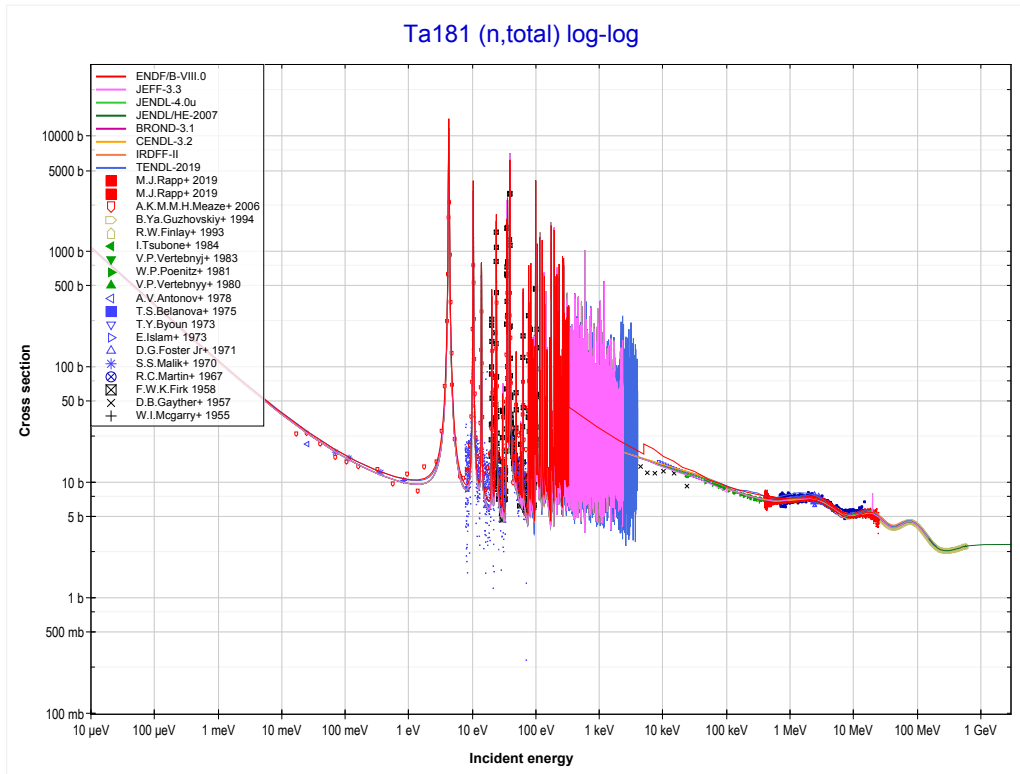
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JEFF-3.3 | 567.999 b | 567.999 b | 759.45 b | 1.33706 | 1756.76 b | 7.02459 b | 5.12093 b |
| TENDL-2019 | 566.039 b | 566.039 b | 756.93 b | 1.33725 | 1807.57 b | 7.02431 b | 5.12094 b |

| | | |
|------------------|--|----------------------------|
| << 73-Ta-179 | 73-Ta-180m | 73-Ta-181 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Ta181 production) | 73-Ta-181 MT1 (n,total) >> |



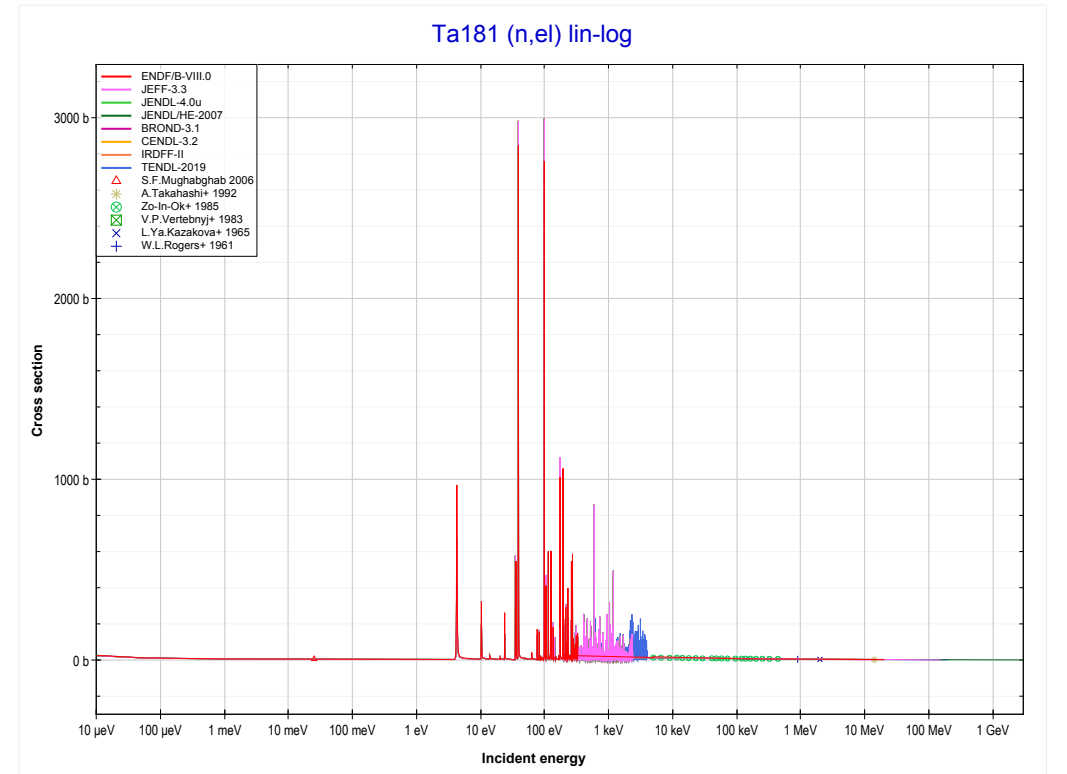
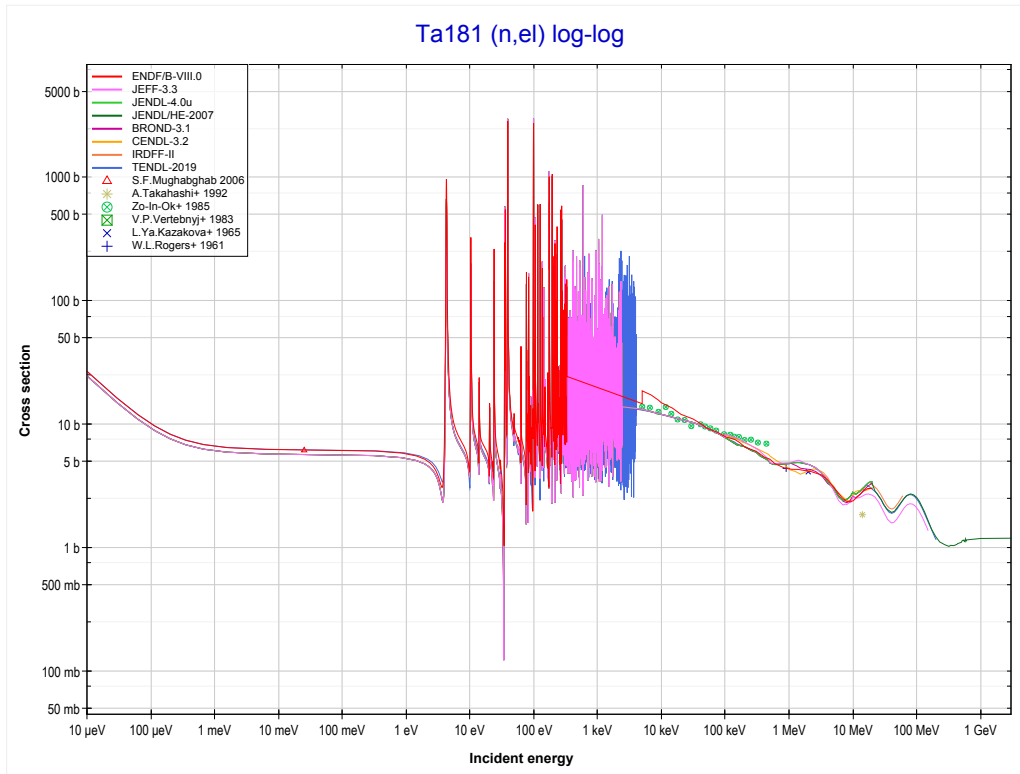
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 566.09 b | 565.669 b | 567.36 b | 1.003 | 1525.86 b | 0.245614 b | 0.00119 b |
| JEFF-3.3 | 564.466 b | 564.466 b | 755.37 b | 1.3382 | 1468.63 b | 0.152388 b | 0.00134177 b |
| TENDL-2019 | 563.775 b | 563.775 b | 754.58 b | 1.33845 | 1508.78 b | 0.150074 b | 0.00134085 b |

| | | |
|---------------------------|----------------------|--------------------|
| << 73-Ta-180m | 73-Ta-181 | 74-W-180 >> |
| << 73-Ta-180m MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



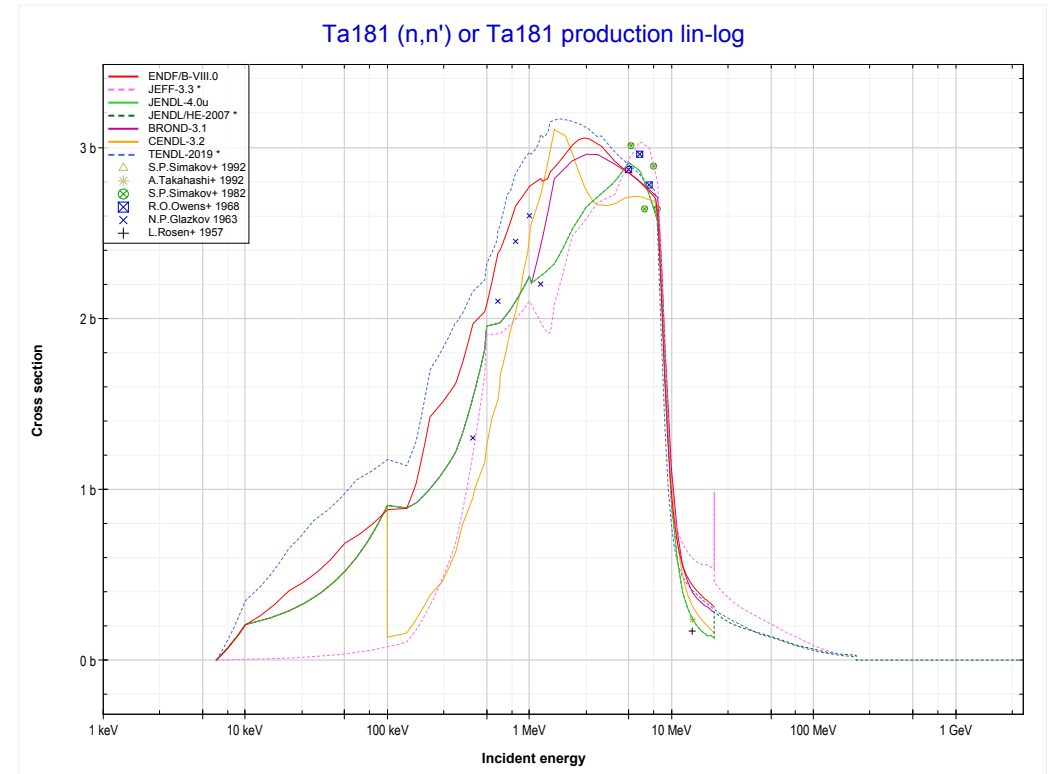
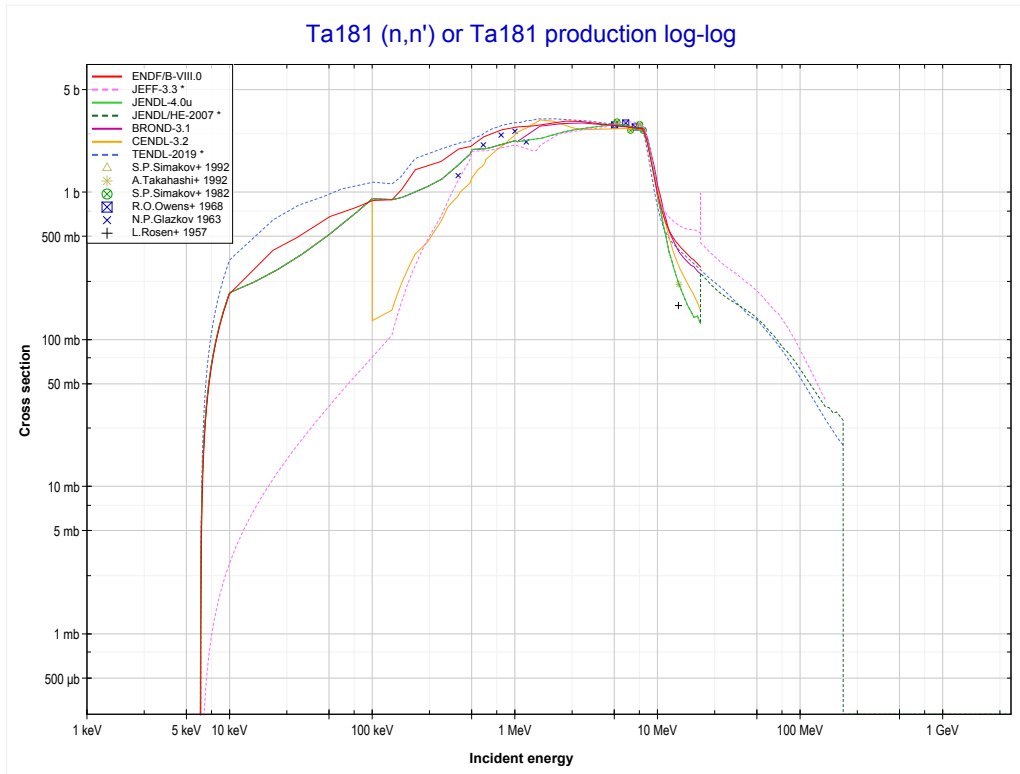
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 27.2951 b | 27.2951 b | 28.161 b | 1.03172 | 998.107 b | 7.16167 b | 5.331 b |
| JEFF-3.3 | 26.3443 b | 26.3443 b | 27.13 b | 1.02981 | 889.744 b | 6.94249 b | 5.32829 b |
| JENDL-4.0u | 26.3443 b | 26.3443 b | 27.13 b | 1.02981 | 890.697 b | 6.99922 b | 5.37 b |
| JENDL/HE-2007 | 26.3396 b | 26.3396 b | 27.118 b | 1.02955 | 890.406 b | 6.99916 b | 5.37 b |
| BROND-3.1 | 26.3443 b | 26.3443 b | 27.13 b | 1.02981 | 890.698 b | 7.00057 b | 5.37 b |
| CENDL-3.2 | 26.3397 b | 26.3397 b | 27.118 b | 1.02955 | 891.957 b | 6.95172 b | 5.2605 b |
| IRDFF-II | 26.3432 b | 26.3432 b | 27.128 b | 1.02979 | 891.989 b | 7.00366 b | 5.37 b |
| TENDL-2019 | 27.4851 b | 27.4851 b | 28.339 b | 1.03108 | 895.173 b | 7.52832 b | 5.55315 b |

| | | |
|------------------|------------------------|---------------|
| << 72-Hf-180 | 73-Ta-181 | 74-W-182 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



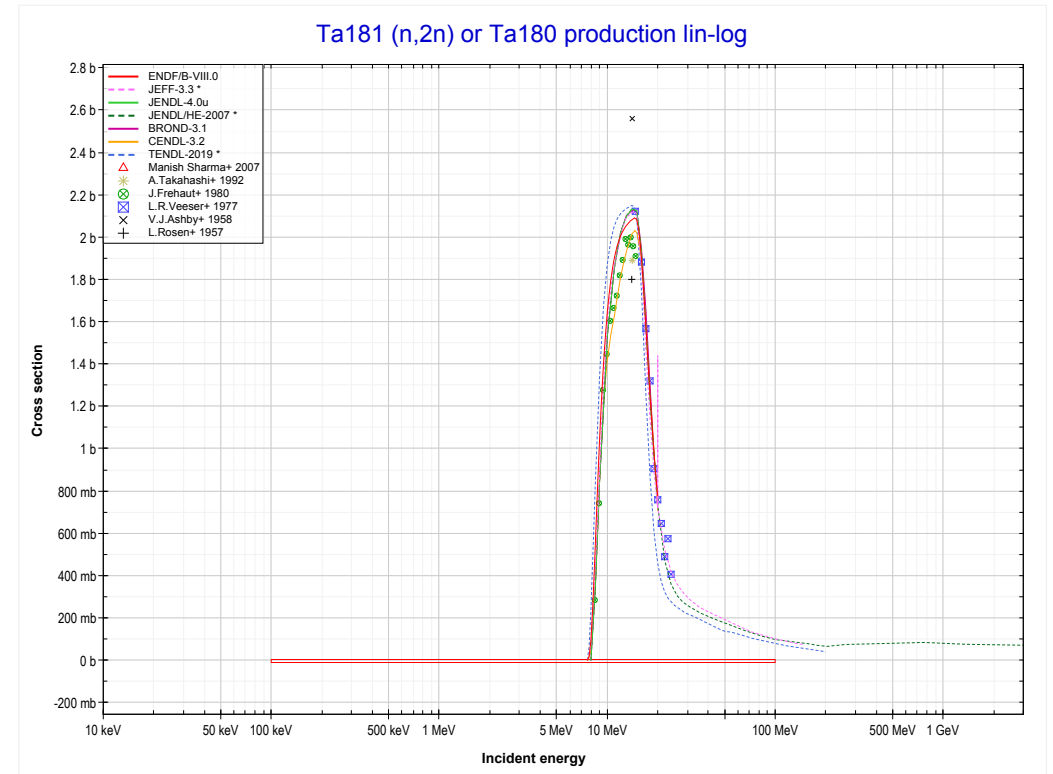
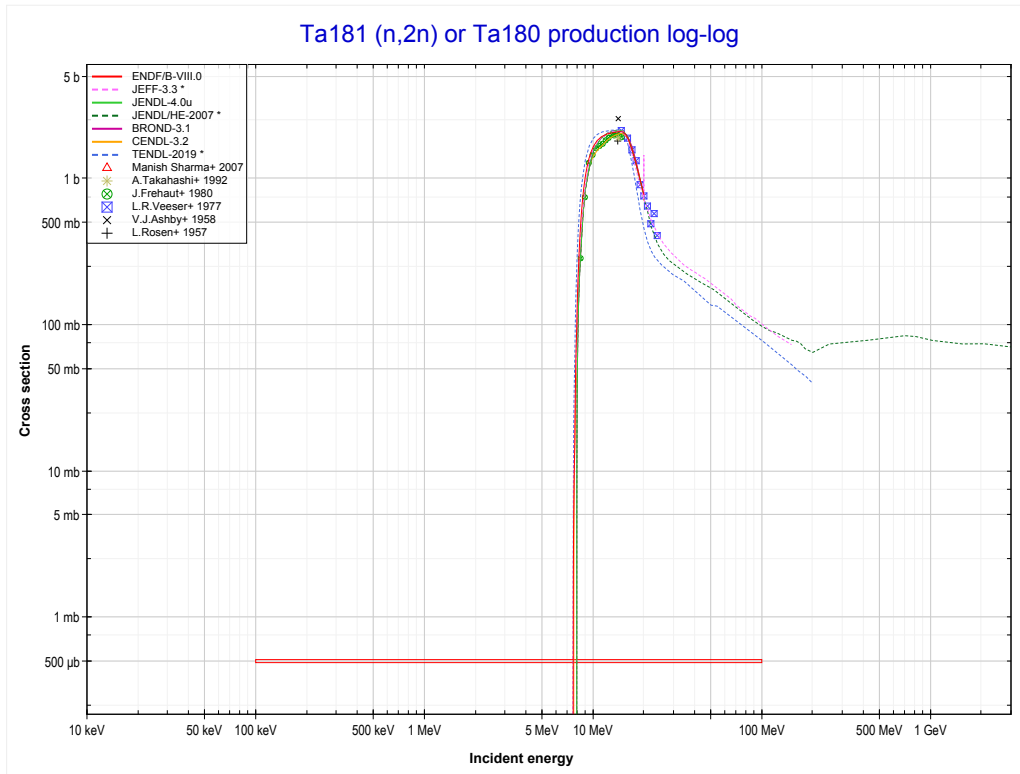
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.16867 b | 6.16867 b | 6.9501 b | 1.12668 | 258.07 b | 4.38188 b | 2.80177 b |
| JEFF-3.3 | 5.66602 b | 5.66602 b | 6.3835 b | 1.12662 | 229.963 b | 4.7193 b | 2.61112 b |
| JENDL-4.0u | 5.66602 b | 5.66602 b | 6.3835 b | 1.12662 | 229.955 b | 4.62556 b | 2.99109 b |
| JENDL/HE-2007 | 5.66602 b | 5.66602 b | 6.3838 b | 1.12669 | 229.924 b | 4.62426 b | 2.99109 b |
| BROND-3.1 | 5.66602 b | 5.66602 b | 6.3835 b | 1.12662 | 229.956 b | 4.45399 b | 2.84272 b |
| CENDL-3.2 | 5.66602 b | 5.66602 b | 6.3838 b | 1.12669 | 229.924 b | 4.49362 b | 2.9057 b |
| IRDFF-II | 5.66602 b | 5.66602 b | 6.3851 b | 1.12691 | 229.922 b | 4.62504 b | 2.99109 b |
| TENDL-2019 | 6.18691 b | 6.18691 b | 6.9723 b | 1.12694 | 228.928 b | 4.61555 b | 2.98906 b |

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|--------------------|---|----------------|
| << 72-Hf-180m | 73-Ta-181 | 74-W-183 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ta181 production) | MT16 (n,2n) >> |



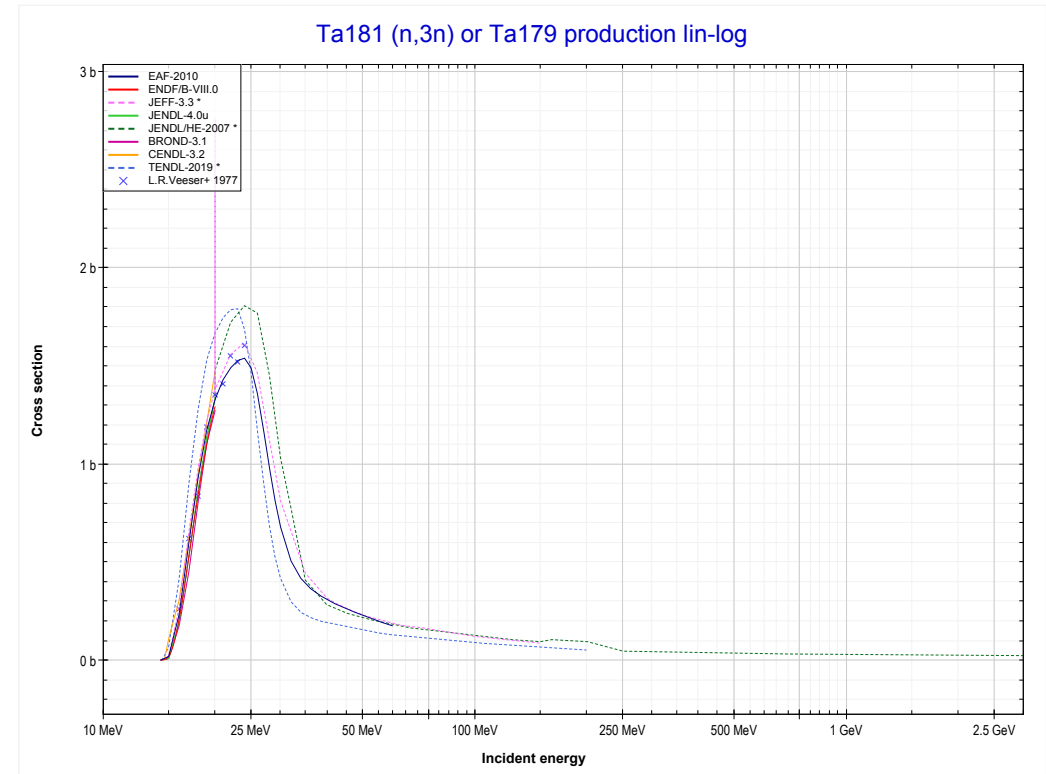
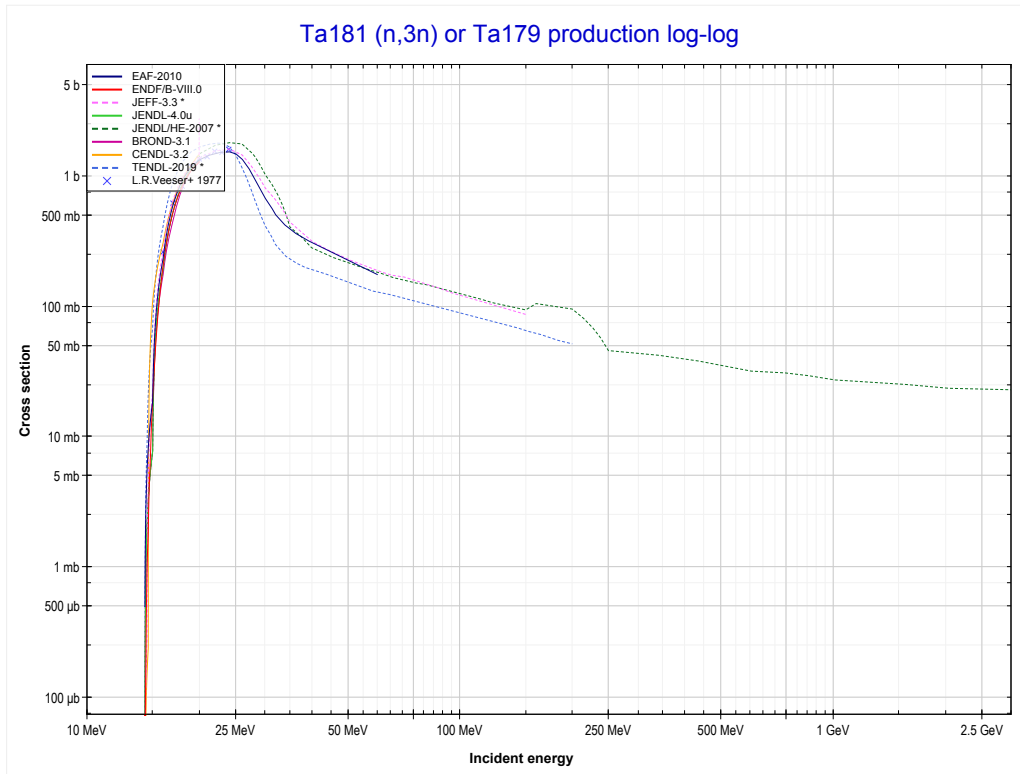
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.25863 b | 2.65839 b | 0.439285 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0620685 b | 2.12707 b | 0.597614 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.04281 b | 2.27909 b | 0.241949 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 1.04281 b | 2.27909 b | 0.241949 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.04281 b | 2.45205 b | 0.398046 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 1.04266 b | 2.34909 b | 0.31838 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 1.9048 b | 2.81627 b | 0.409643 b |

| | | |
|---------------|--|----------------|
| << 72-Hf-180 | 73-Ta-181 | 74-W-180 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ta180 production) | MT17 (n,3n) >> |



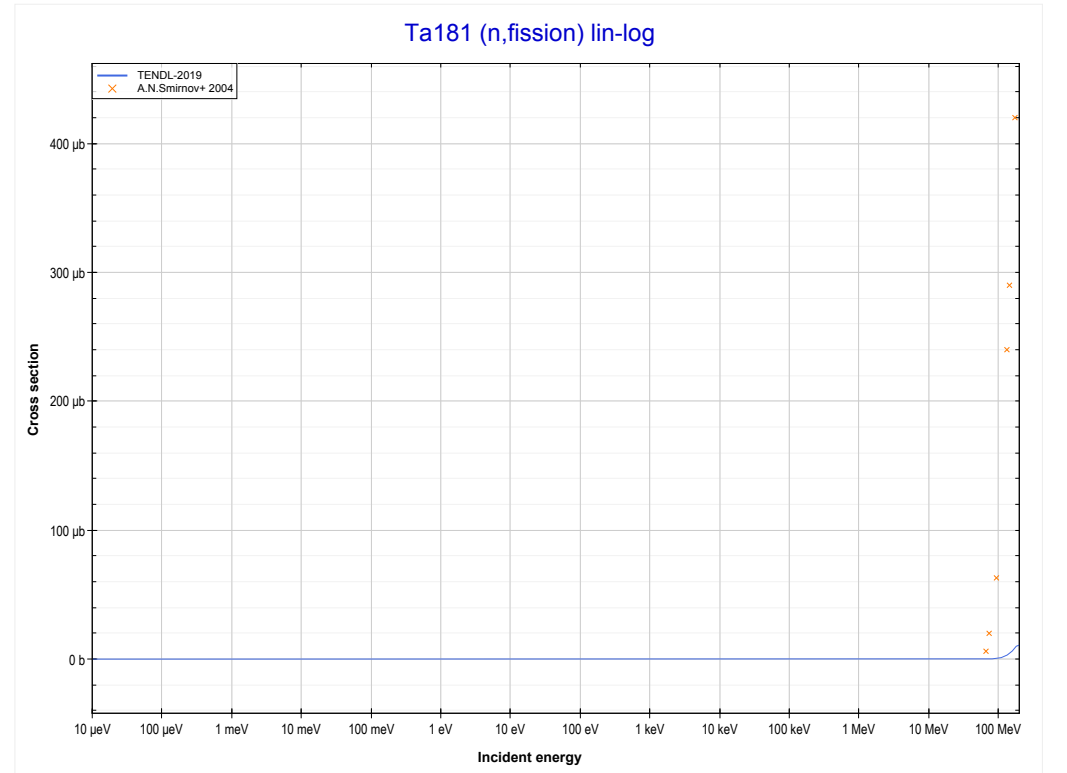
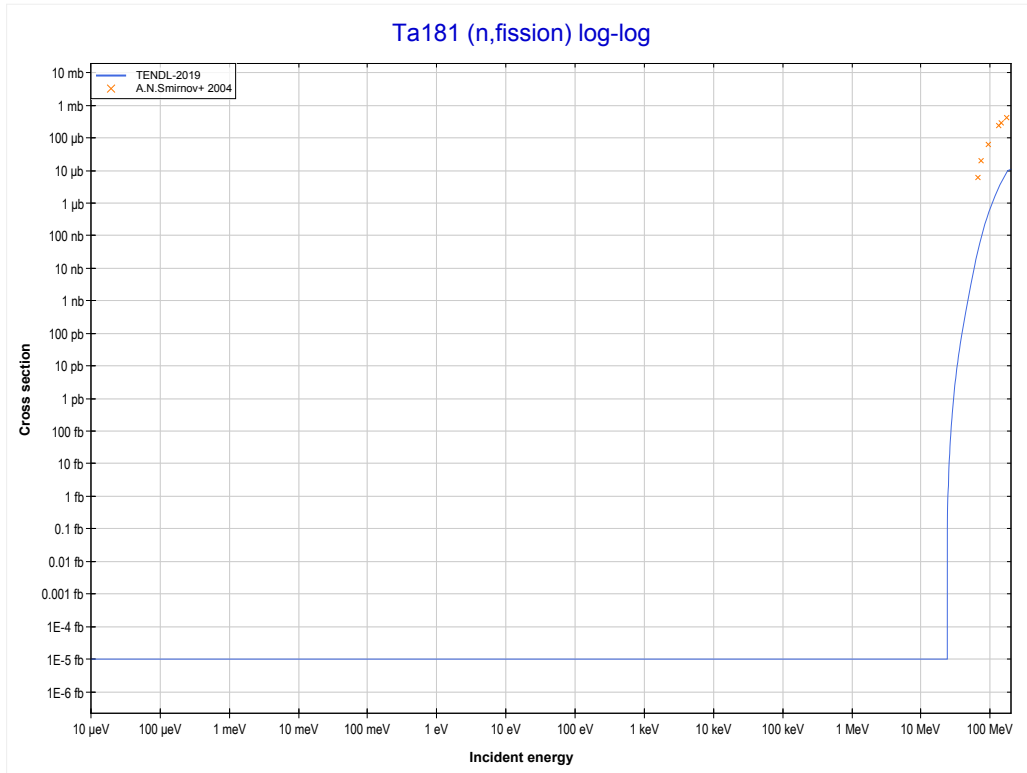
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00841389 b | 2.08234 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00782204 b | 2.11288 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720981 b | 2.13296 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720975 b | 2.13296 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00721152 b | 2.1245 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00695824 b | 2.0137 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0103453 b | 2.14966 b |

| | | |
|----------------|--|---------------------|
| << 71-Lu-175 | 73-Ta-181 | 74-W-184 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ta179 production) | MT18 (n,fission) >> |

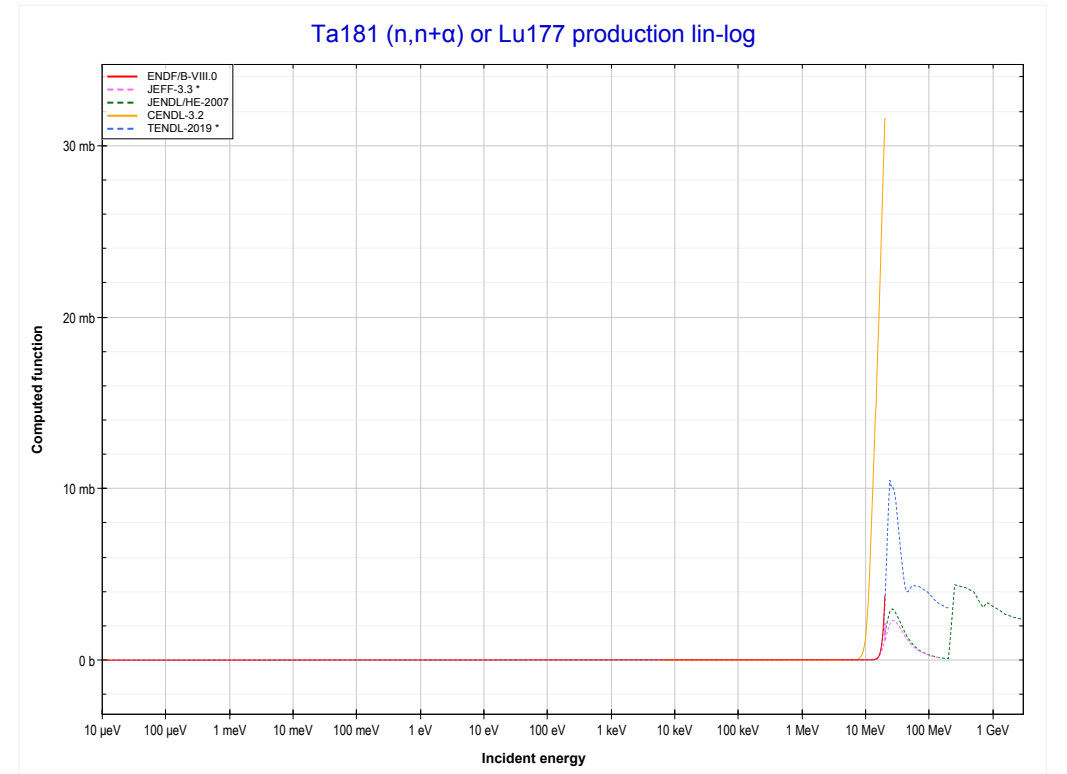
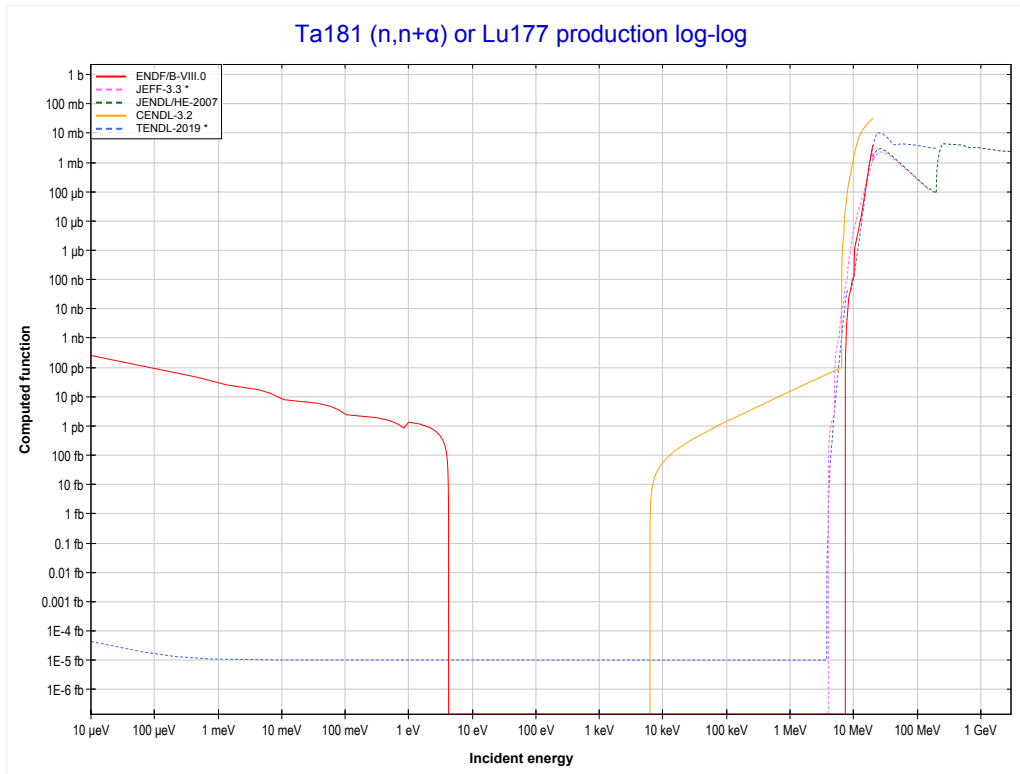


| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.06282E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.79963E-5 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.23588E-5 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.82714E-5 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.82714E-5 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.66064E-5 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.50303E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.21261E-5 b | 0 b |

| | | |
|-----------------------------|-------------------------|------------------------------|
| | 73-Ta-181 | 74-W-182 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT22 (n,n+α) >> |

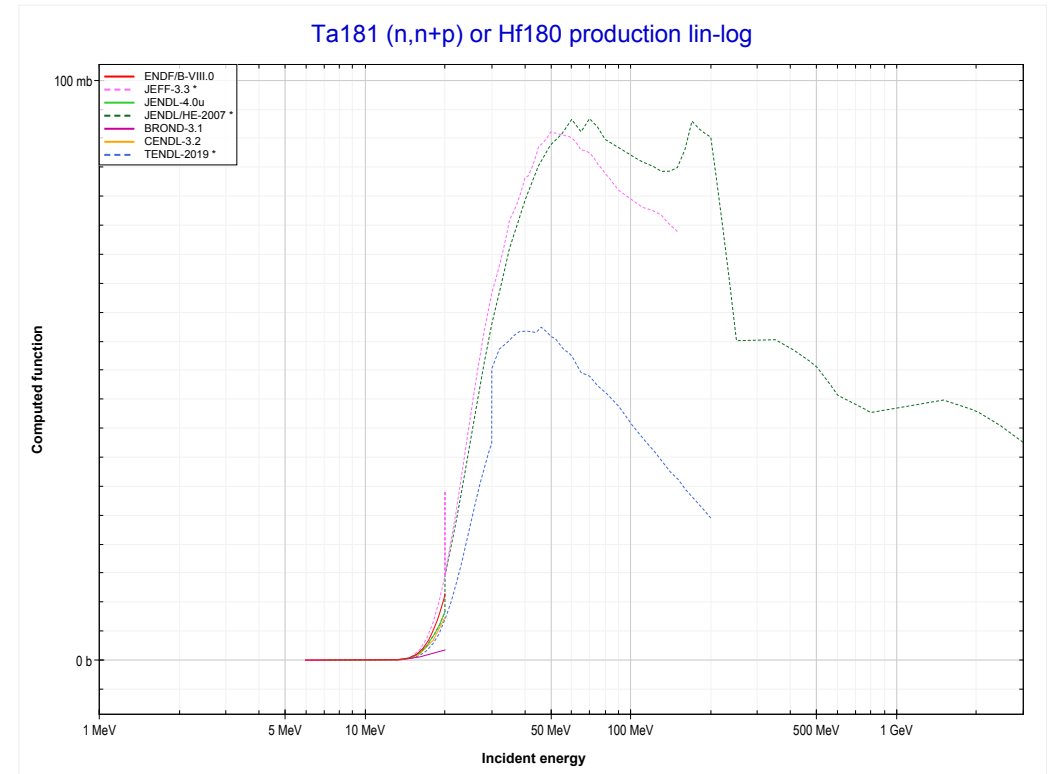
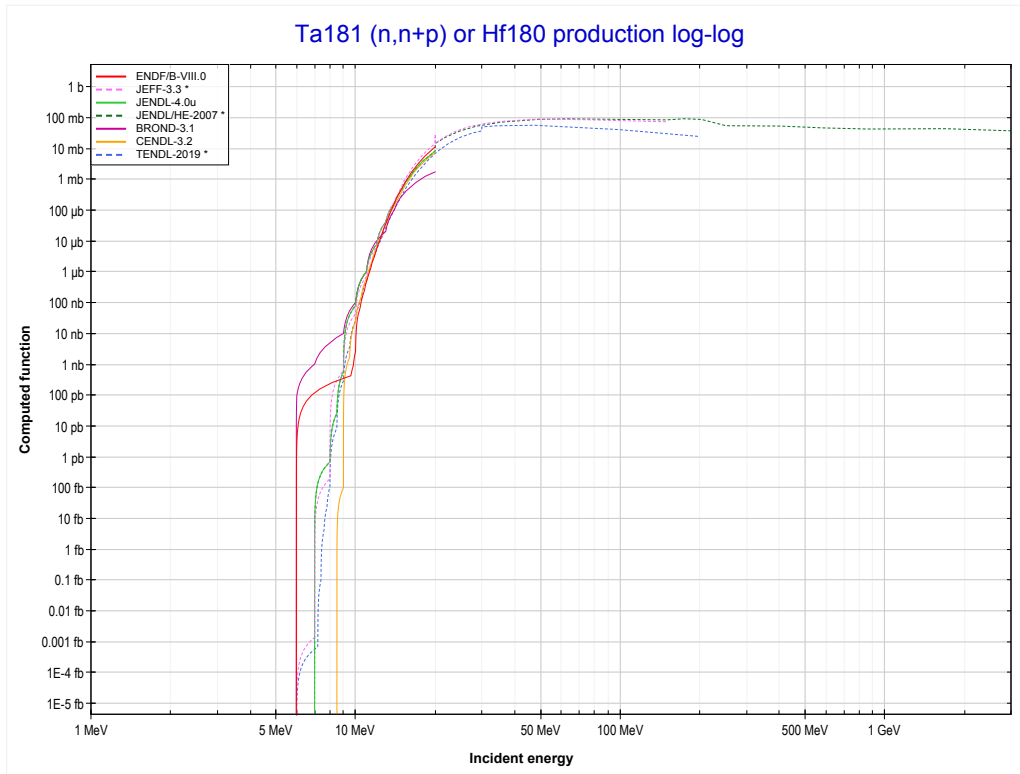


| | | |
|---------------------|---|-----------------|
| << 70-Yb-176 | 73-Ta-181 | 74-W-182 >> |
| << MT18 (n,fission) | MT22 (n,n+α) or MT5 (Lu177 production) | MT28 (n,n+p) >> |



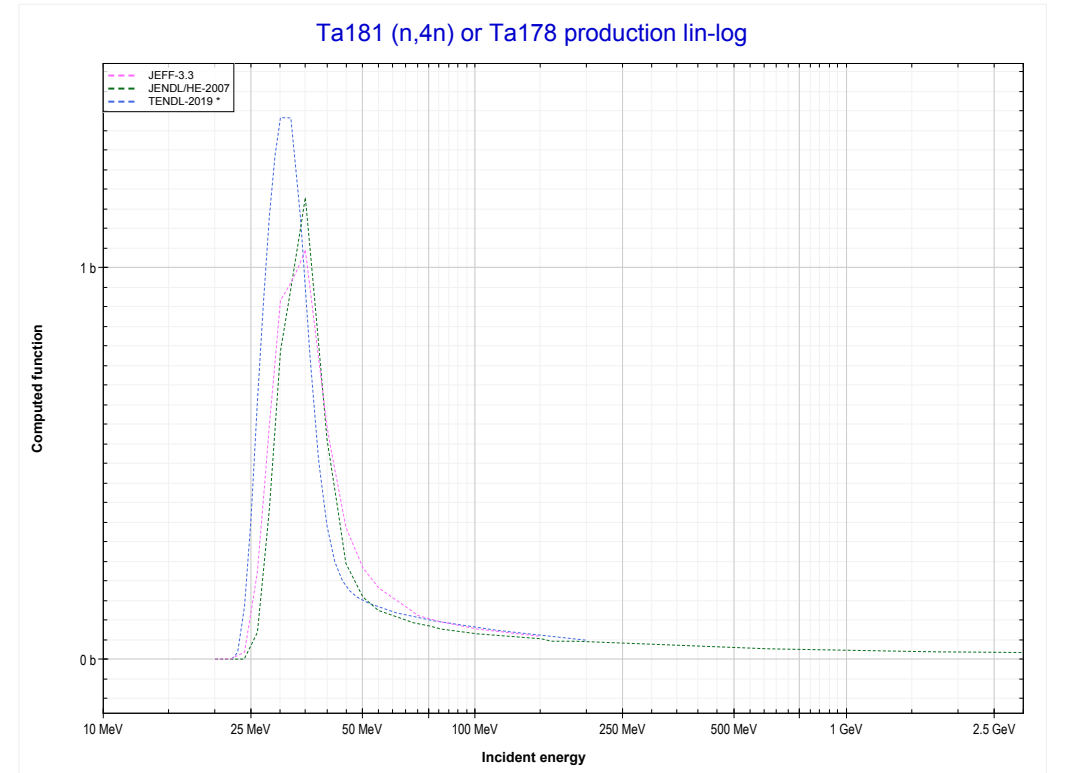
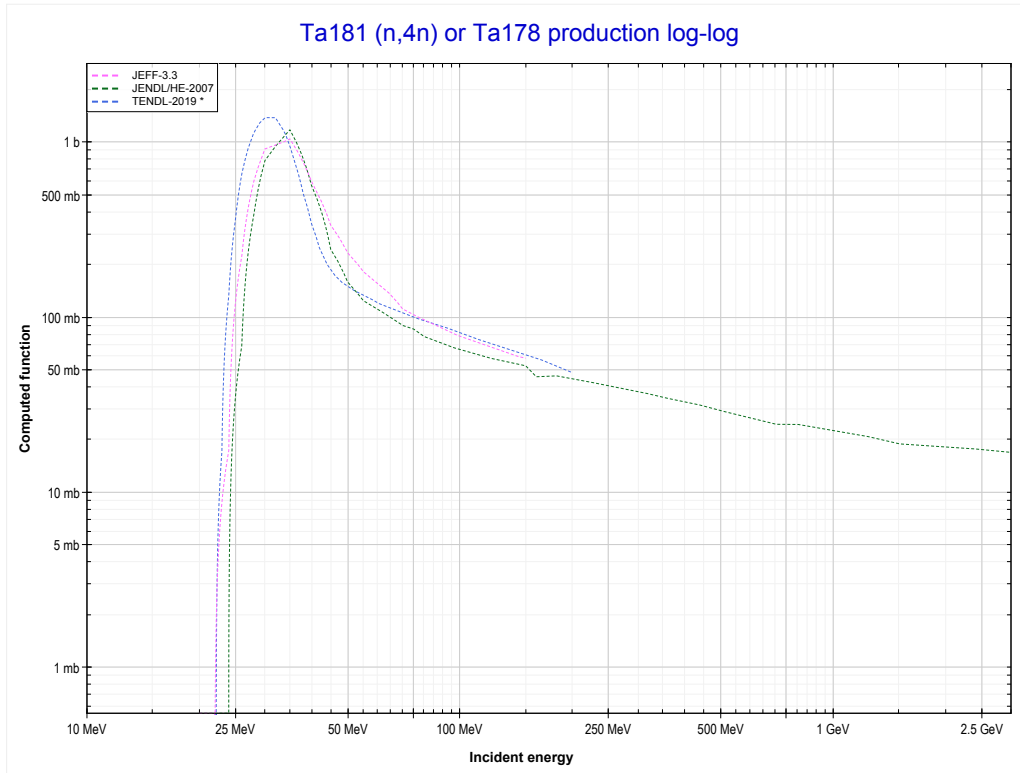
| Reaction | Q-Value |
|----------------------|---------------|
| Ta181(n,n+α)Lu177 | 1520.58 keV |
| Ta181(n,d+t)Lu177 | -16068.71 keV |
| Ta181(n,n+p+t)Lu177 | -18293.28 keV |
| Ta181(n,2n+He3)Lu177 | -19057.04 keV |
| Ta181(n,n+2d)Lu177 | -22325.94 keV |
| Ta181(n,2n+p+d)Lu177 | -24550.51 keV |
| Ta181(n,3n+2p)Lu177 | -26775.08 keV |

| | | |
|-----------------|---|----------------|
| << 70-Yb-176 | 73-Ta-181 | 74-W-183 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Hf180 production) | MT37 (n,4n) >> |



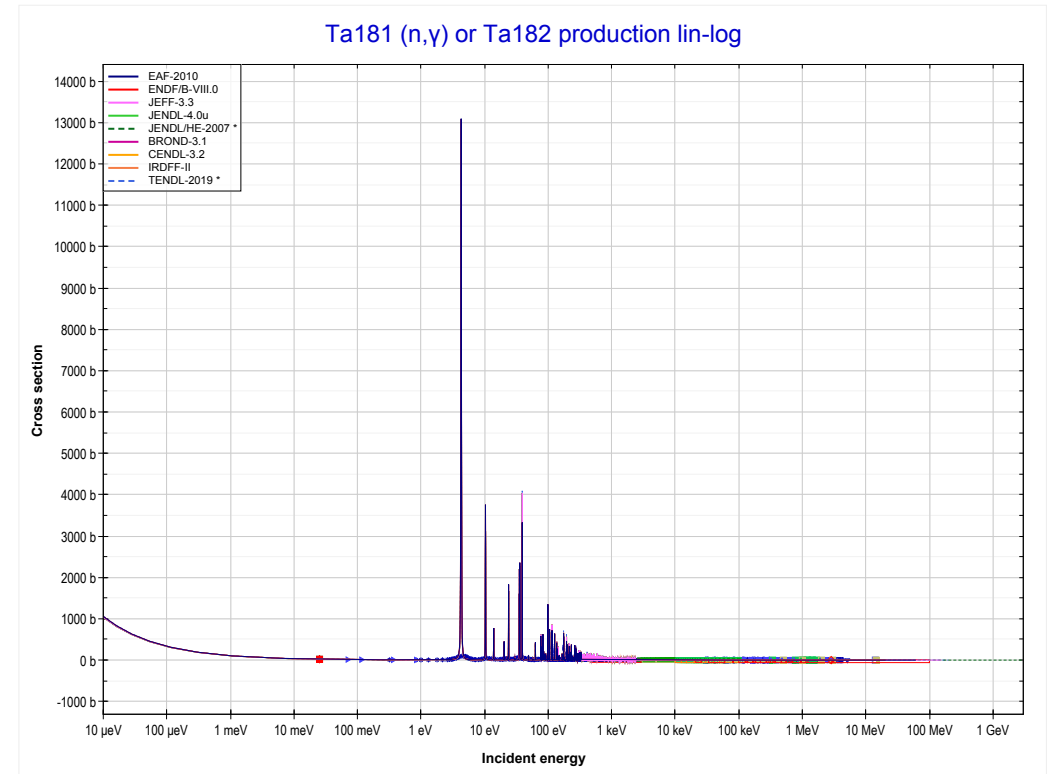
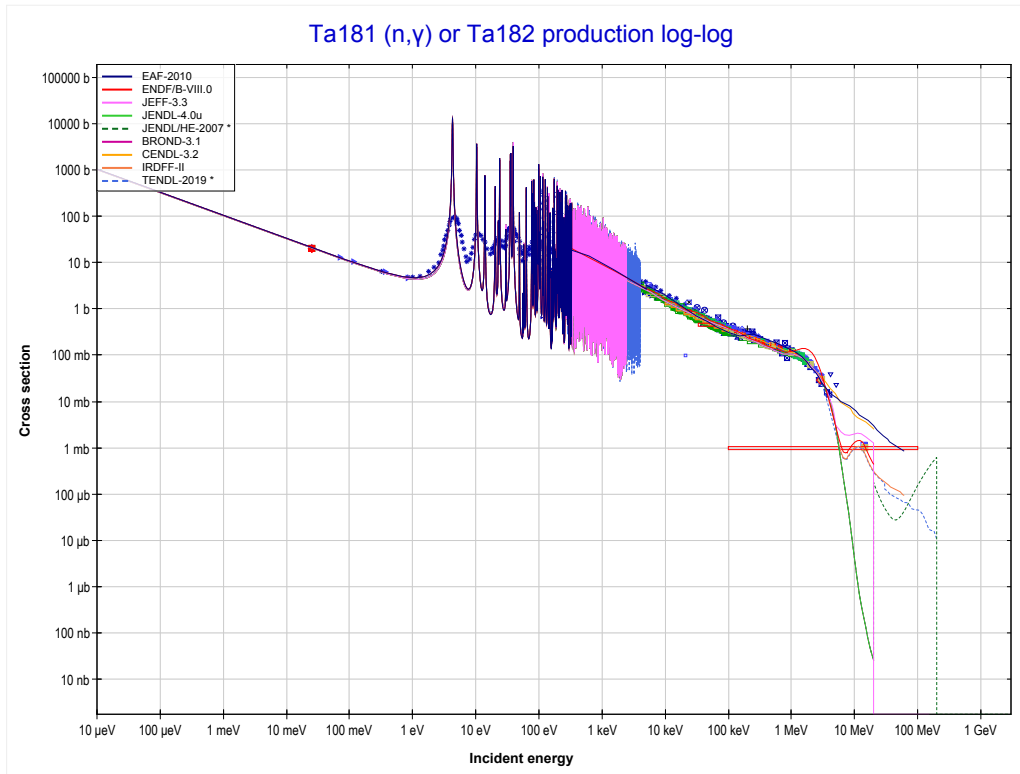
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.51953E-7 b | 1.66237E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93861E-7 b | 1.83115E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.38363E-7 b | 1.63065E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38362E-7 b | 1.63065E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 6.07517E-8 b | 1E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15689E-7 b | 1.3661E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.03175E-8 b | 1.01649E-4 b |

| | | |
|-----------------|--|-------------------------|
| << 71-Lu-175 | 73-Ta-181 | 77-Ir-191 >> |
| << MT28 (n,n+p) | MT37 (n,4n) or MT5 (Ta178 production) | MT102 (n, γ) >> |



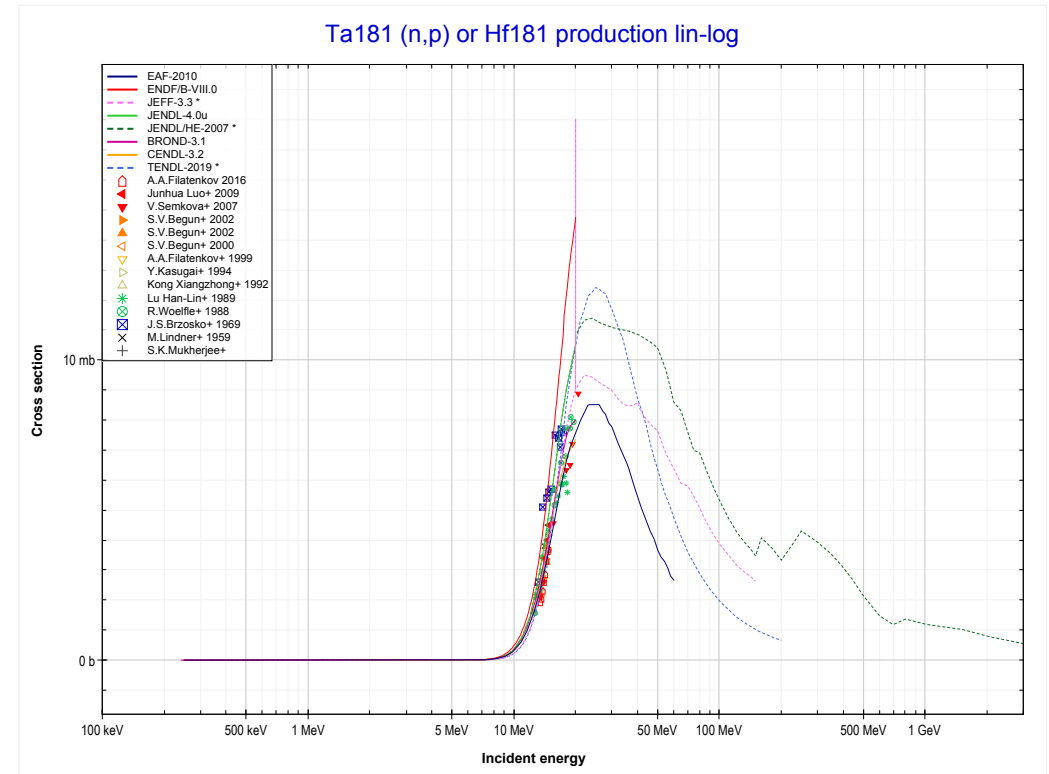
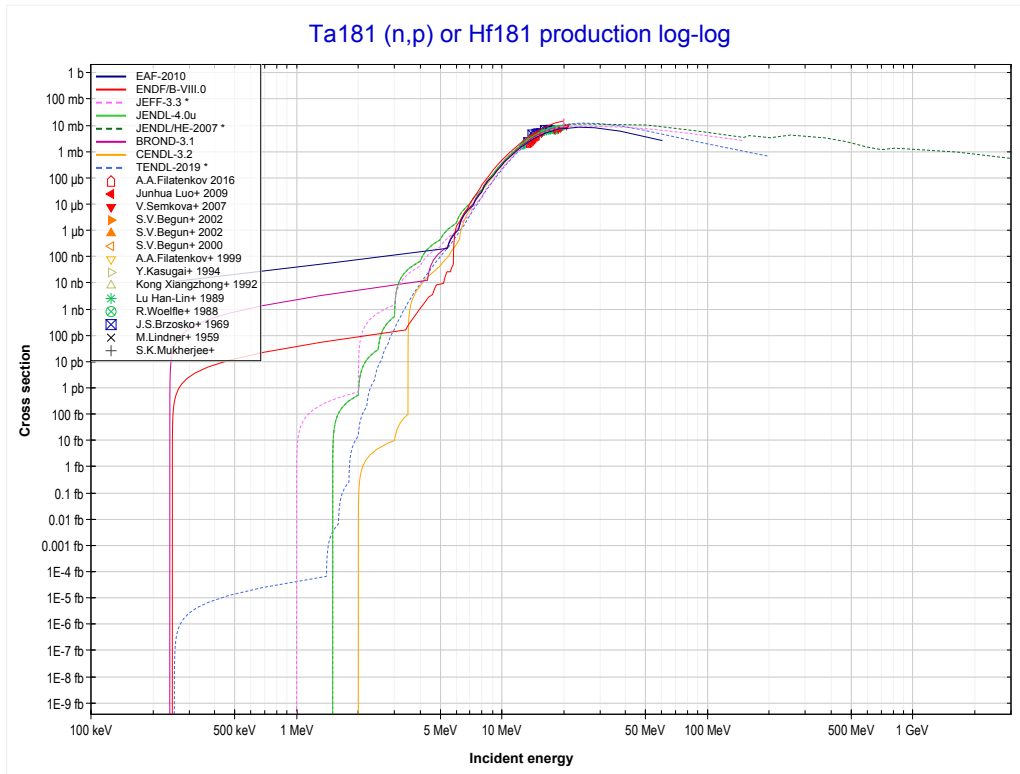
| | |
|------------------|----------------|
| Reaction | Q-Value |
| Ta181(n,4n)Ta178 | -22052.25 keV |

| | | |
|----------------|--|----------------|
| << 73-Ta-180m | 73-Ta-181 | 73-Ta-182 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Ta182 production) | MT103 (n,p) >> |



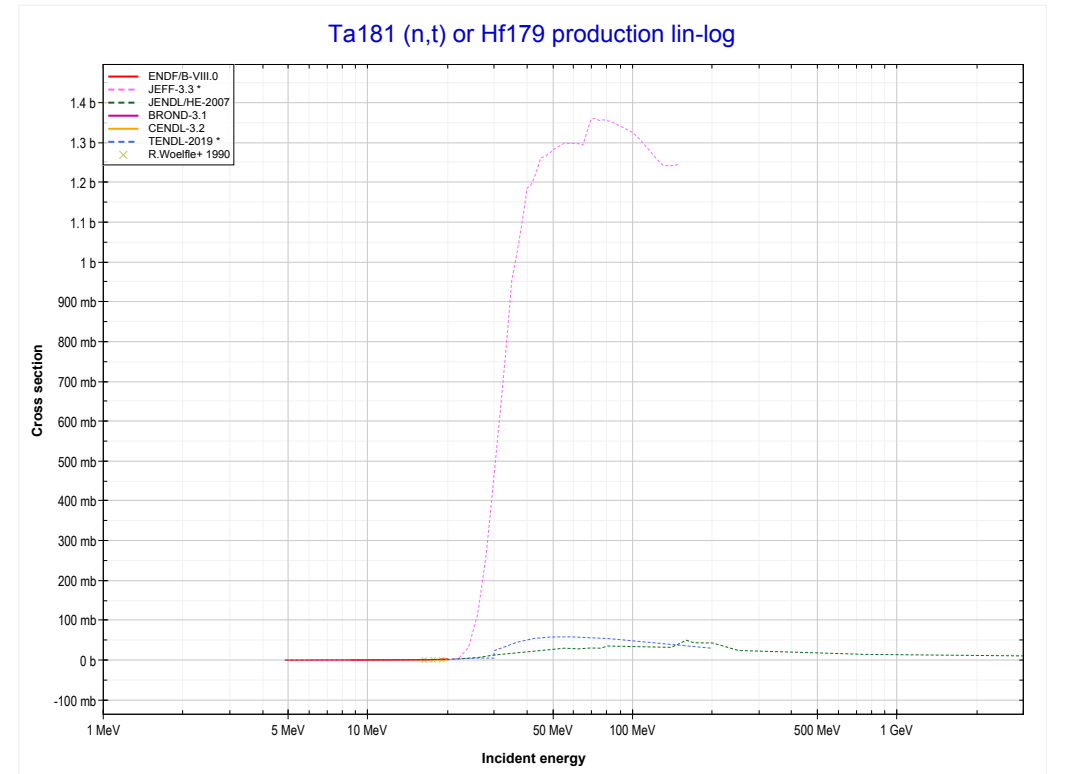
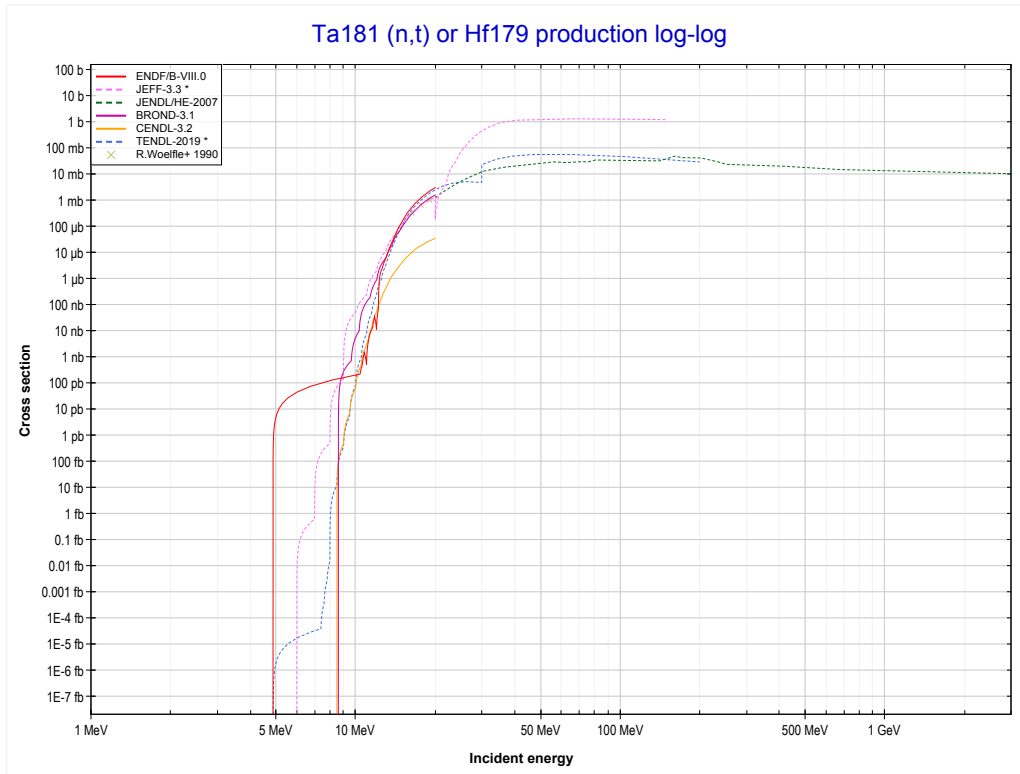
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 21.1431 b | 21.1275 b | 21.198 b | 1.00335 | 739.054 b | 0.105273 b | 0.00450001 b |
| ENDF/B-VIII.0 | 21.1264 b | 21.1264 b | 21.211 b | 1.004 | 738.779 b | 0.112966 b | 0.0011985 b |
| JEFF-3.3 | 20.6783 b | 20.6783 b | 20.746 b | 1.00329 | 659.719 b | 0.0882647 b | 0.00185407 b |
| JENDL-4.0u | 20.6783 b | 20.6783 b | 20.746 b | 1.00329 | 659.699 b | 0.0873337 b | 2.05527E-7 b |
| JENDL/HE-2007 | 20.6736 b | 20.6736 b | 20.734 b | 1.00292 | 659.437 b | 0.087298 b | 2.05527E-7 b |
| BROND-3.1 | 20.6783 b | 20.6783 b | 20.746 b | 1.00329 | 659.699 b | 0.0872895 b | 2.05527E-7 b |
| CENDL-3.2 | 20.6736 b | 20.6736 b | 20.734 b | 1.00292 | 659.436 b | 0.0986206 b | 0.003825 b |
| IRDFF-II | 20.6771 b | 20.6771 b | 20.742 b | 1.00314 | 659.446 b | 0.0873263 b | 8.42343E-4 b |
| TENDL-2019 | 21.2982 b | 21.2982 b | 21.367 b | 1.00323 | 664.326 b | 0.0876619 b | 8.04275E-4 b |

| | | |
|-------------------------|--|----------------|
| << 72-Hf-180 | 73-Ta-181 | 74-W-180 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Hf181 production) | MT105 (n,t) >> |



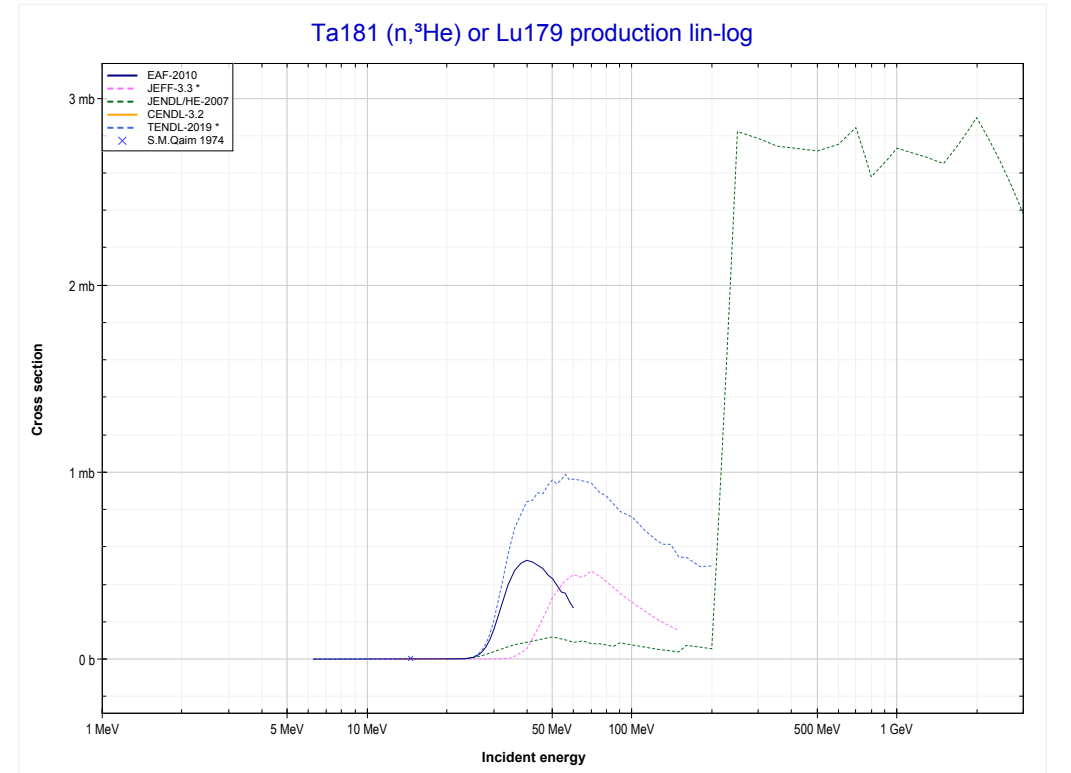
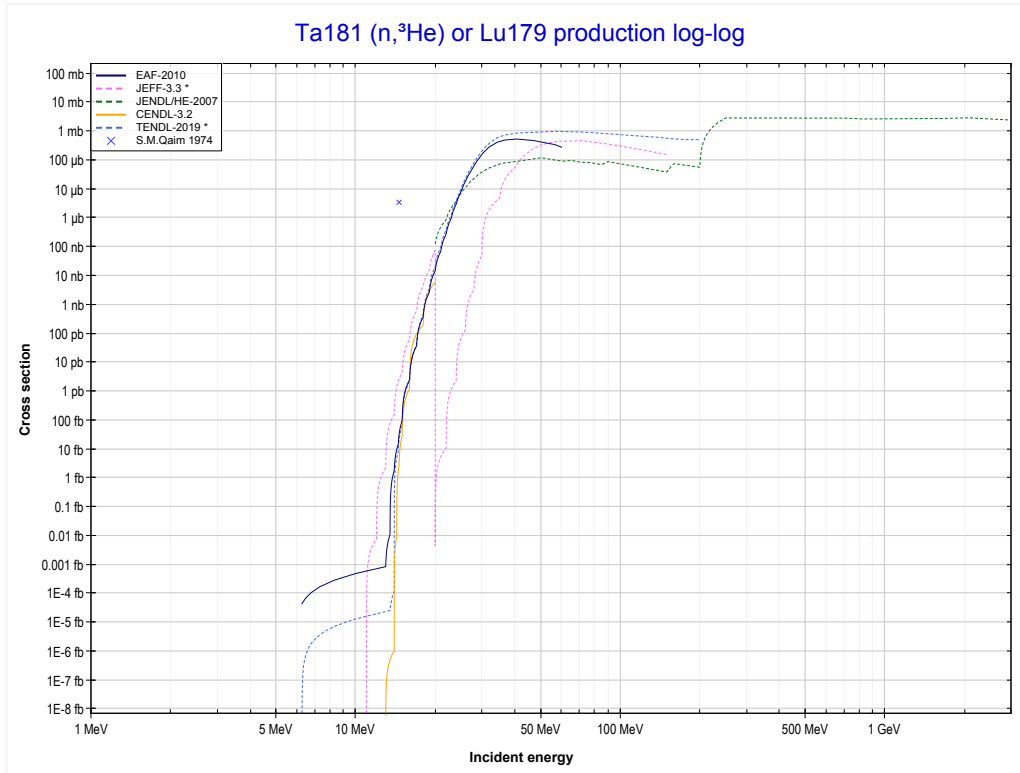
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.93808E-6 b | 0.00286953 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.39468E-6 b | 0.00457977 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.44225E-6 b | 0.002927 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.5817E-6 b | 0.00372326 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.58168E-6 b | 0.00372326 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2731E-6 b | 0.00325477 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.87612E-6 b | 0.0031297 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31709E-6 b | 0.00284766 b |

| | | |
|----------------|--|-------------------------------|
| << 68-Er-170 | 73-Ta-181 | 74-W-184 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Hf179 production) | MT106 (n, ³ He) >> |



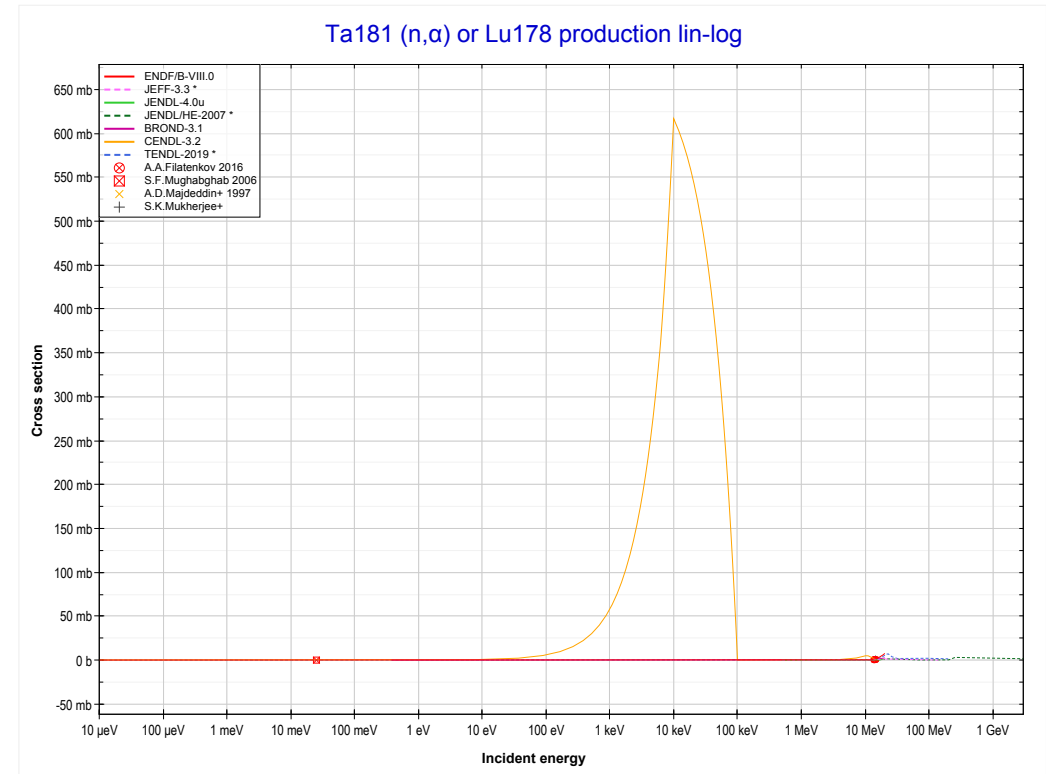
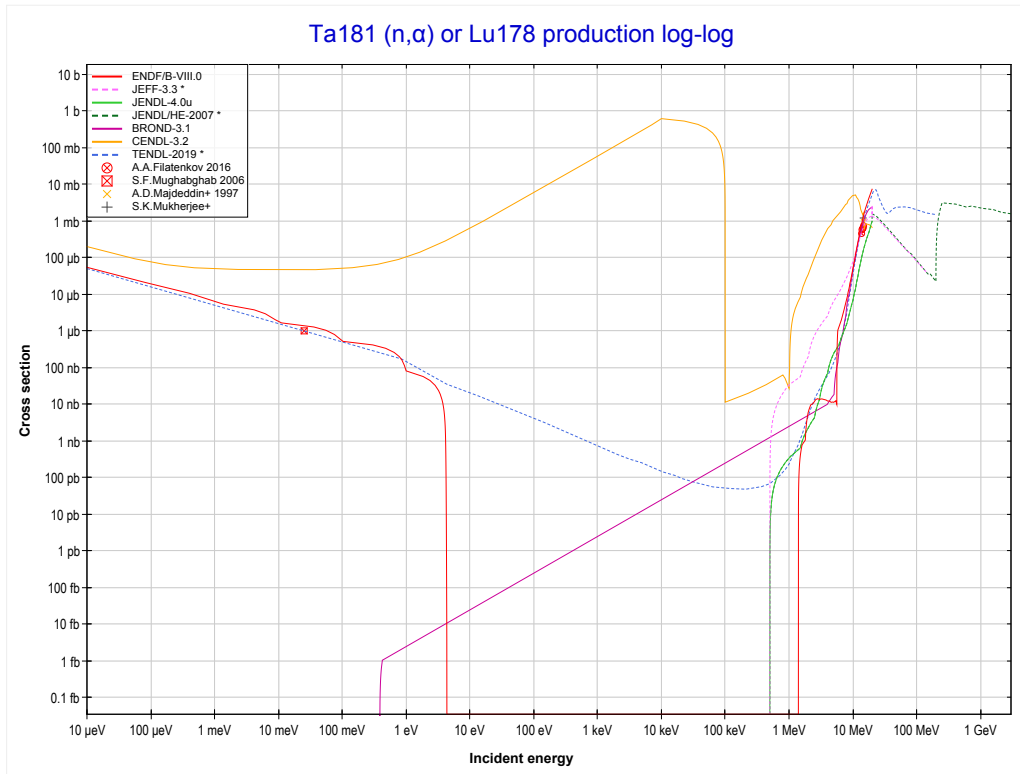
| Reaction | Q-Value |
|--------------------|---------------|
| Ta181(n,t)Hf179 | -4853.89 keV |
| Ta181(n,n+d)Hf179 | -11111.12 keV |
| Ta181(n,2n+p)Hf179 | -13335.69 keV |

| | | |
|----------------|---|----------------|
| << 70-Yb-174 | 73-Ta-181 | 74-W-186 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Lu179 production) | MT107 (n,α) >> |



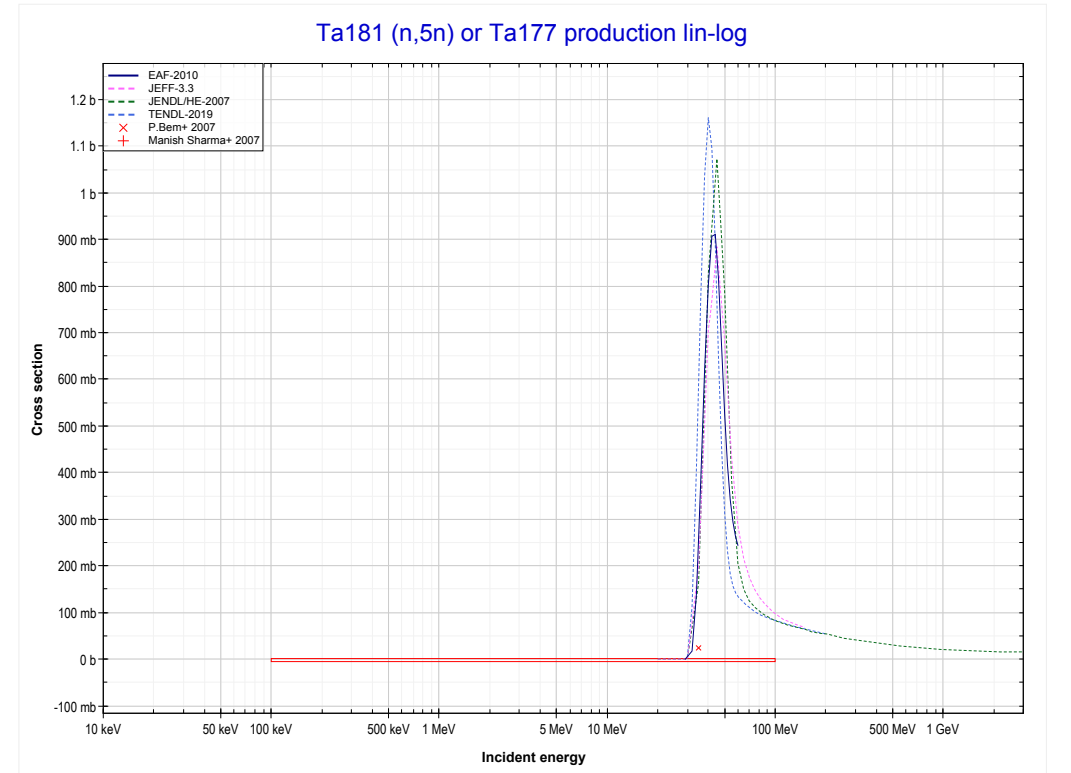
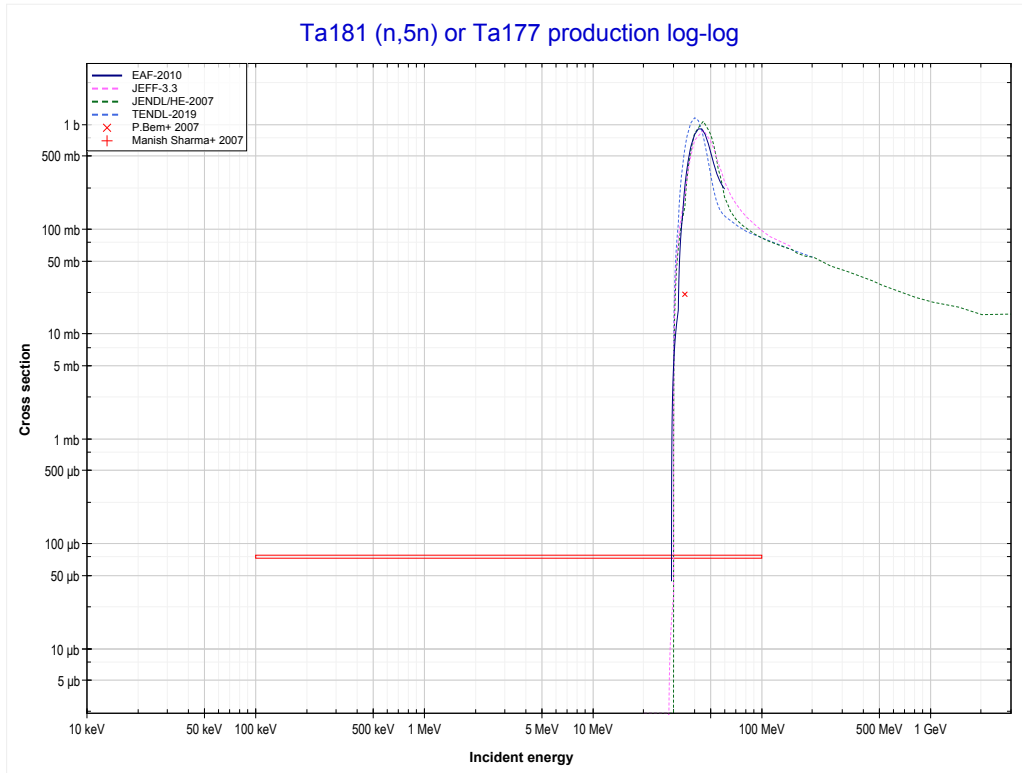
| Reaction | Q-Value |
|--------------------|---------------|
| Ta181(n,He3)Lu179 | -6239.20 keV |
| Ta181(n,p+d)Lu179 | -11732.68 keV |
| Ta181(n,n+2p)Lu179 | -13957.24 keV |

| | | |
|-------------------------------|--|-----------------|
| << 72-Hf-180 | 73-Ta-181 | 74-W-182 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Lu178 production) | MT152 (n,5n) >> |



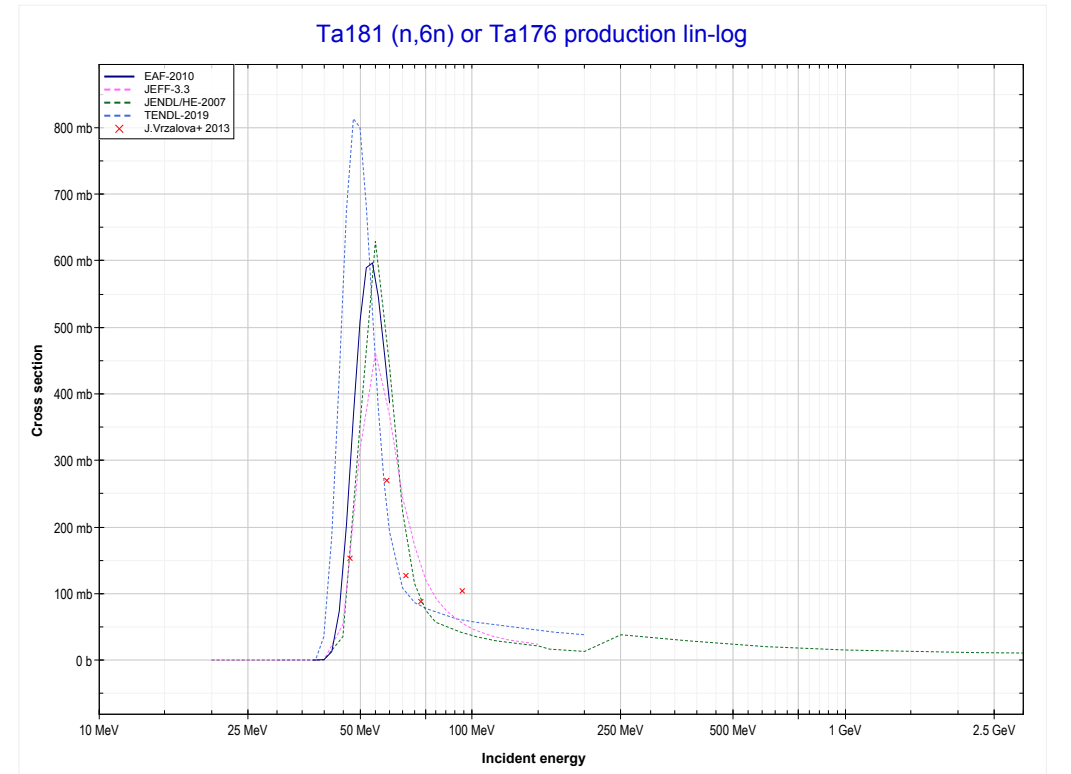
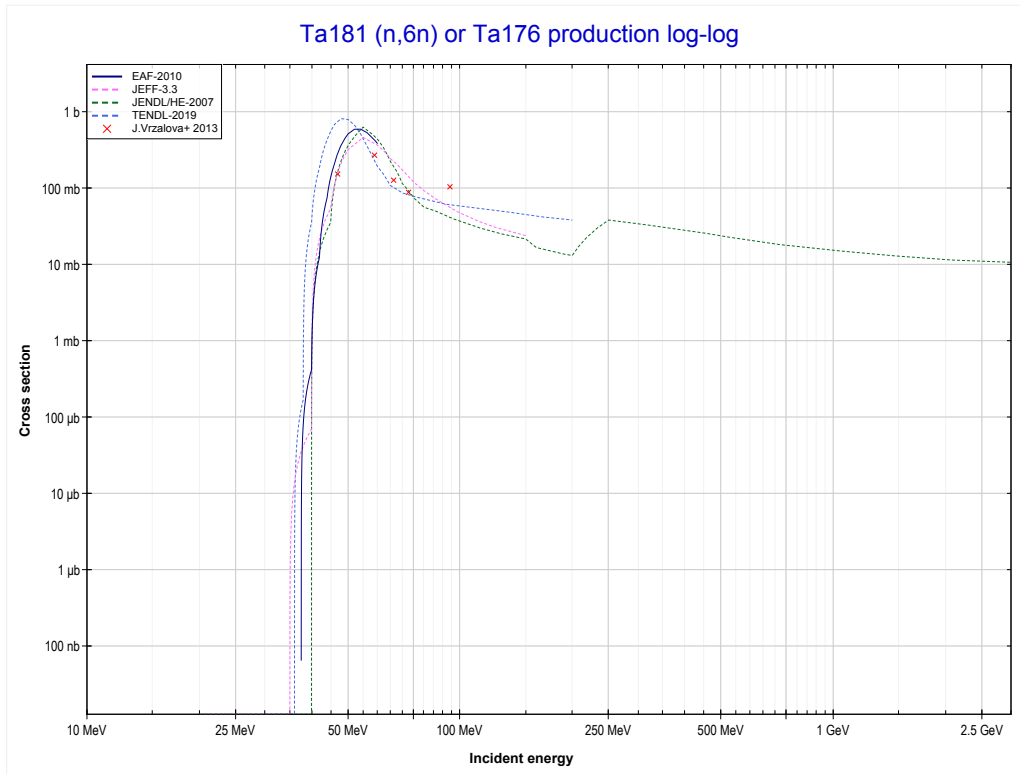
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 1.40536E-6 b | 1.40536E-6 b | 1.3723E-6 b | 0.97649 | 2.2333E-7 b | 7.62114E-7 b | 9.74113E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.86789E-6 b | 5.50348E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.28706E-7 b | 1.16358E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.28706E-7 b | 1.16358E-4 b |
| BROND-3.1 | 0 b | 0 b | 6.5145E-16 b | 0 | 2.44502E-10 b | 5.51905E-7 b | 7.35114E-4 b |
| CENDL-3.2 | 4.61379E-5 b | 4.61379E-5 b | 5.3837E-5 b | 1.16687 | 1.55066 b | 0.00410891 b | 0.0015881 b |
| TENDL-2019 | 9.98188E-7 b | 9.98188E-7 b | 9.9794E-7 b | 0.99975 | 2.96726E-7 b | 5.33647E-7 b | 7.29562E-4 b |

| | | |
|-------------------------|---|-----------------|
| << 53-I-127 | 73-Ta-181 | 79-Au-197 >> |
| << MT107 (n, α) | MT152 (n,5n) or MT5 (Ta177 production) | MT153 (n,6n) >> |



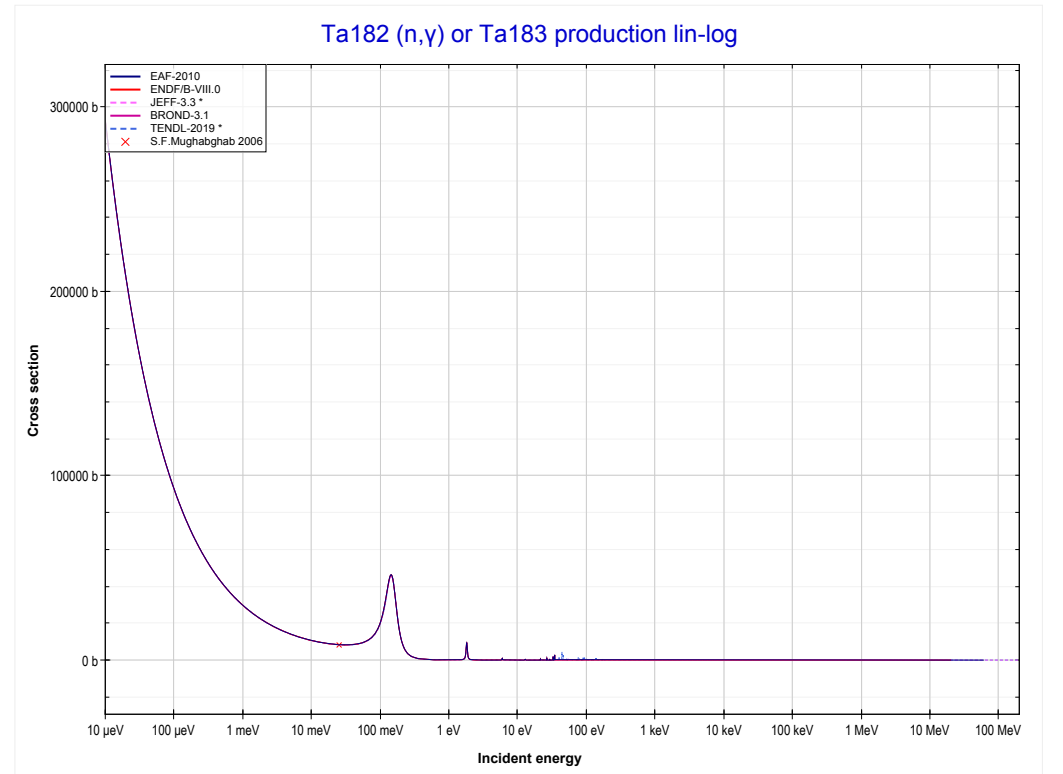
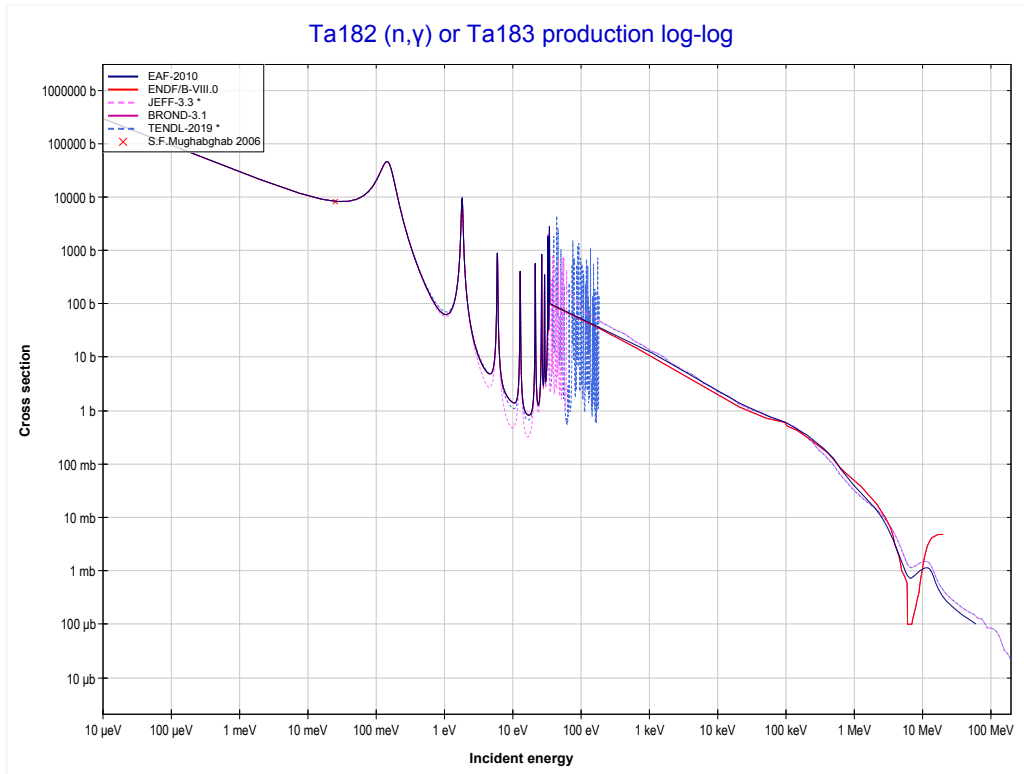
| Reaction | Q-Value |
|------------------|---------------|
| Ta181(n,5n)Ta177 | -29008.57 keV |

| | | |
|-----------------|---|-----------------------------------|
| << 42-Mo-95 | 73-Ta-181 | 79-Au-197 >> |
| << MT152 (n,5n) | MT153 (n,6n) or MT5 (Ta176 production) | 73-Ta-182 MT102 (n, γ) >> |



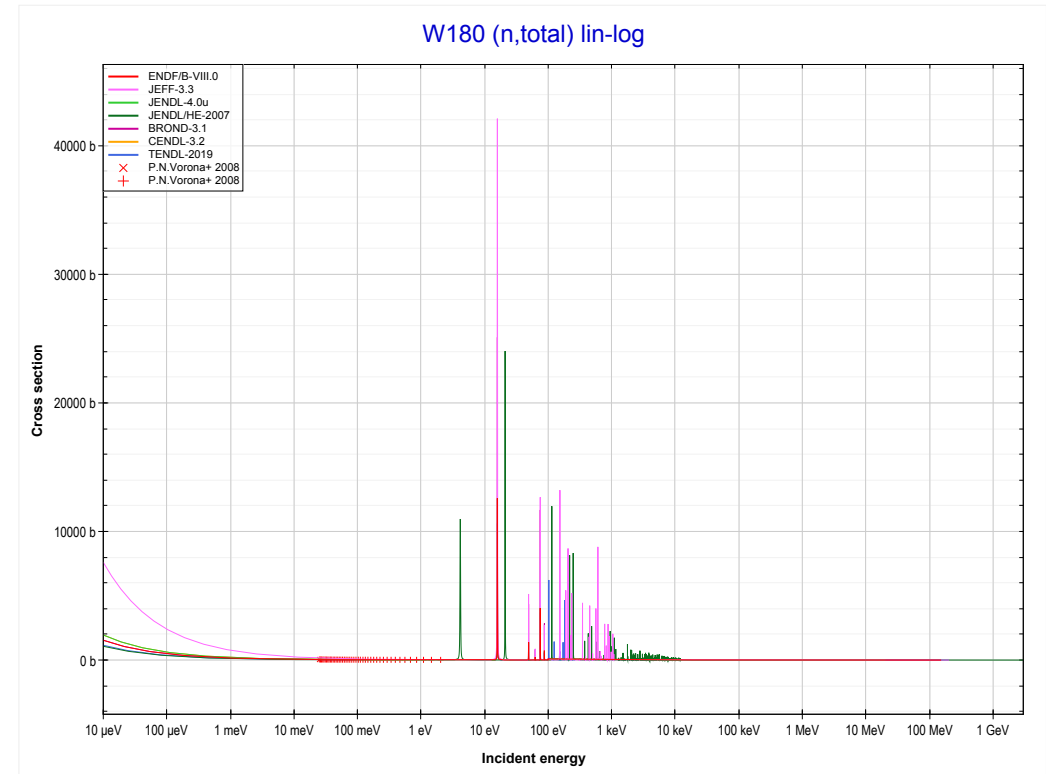
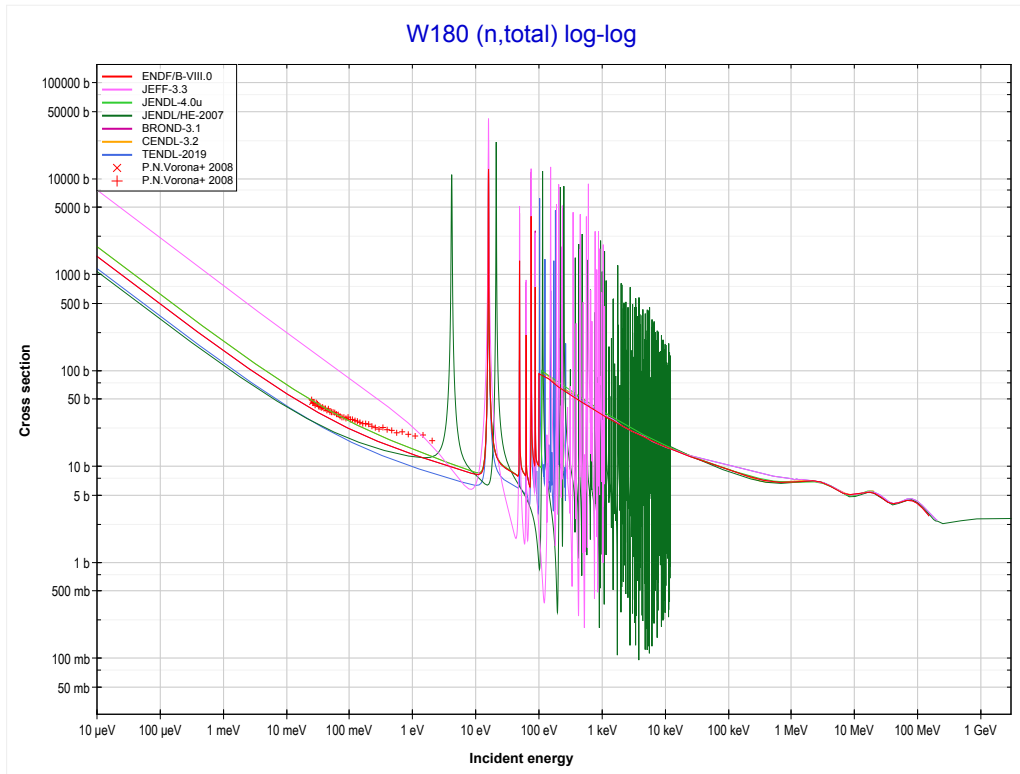
| Reaction | Q-Value |
|------------------|---------------|
| Ta181(n,6n)Ta176 | -37424.89 keV |

| | | |
|---------------------------|--|---------------------------|
| << 73-Ta-181 | 73-Ta-182 | 74-W-180 >> |
| << 73-Ta-181 MT153 (n,6n) | MT102 (n,γ) or MT5 (Ta183 production) | 74-W-180 MT1 (n,total) >> |



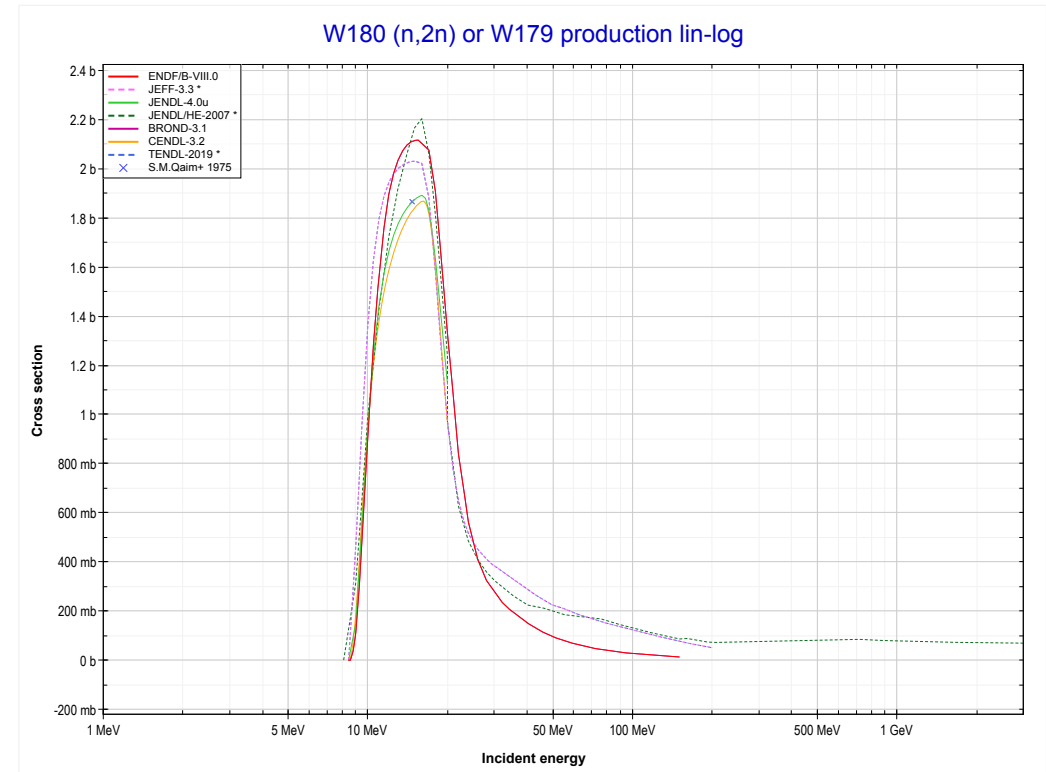
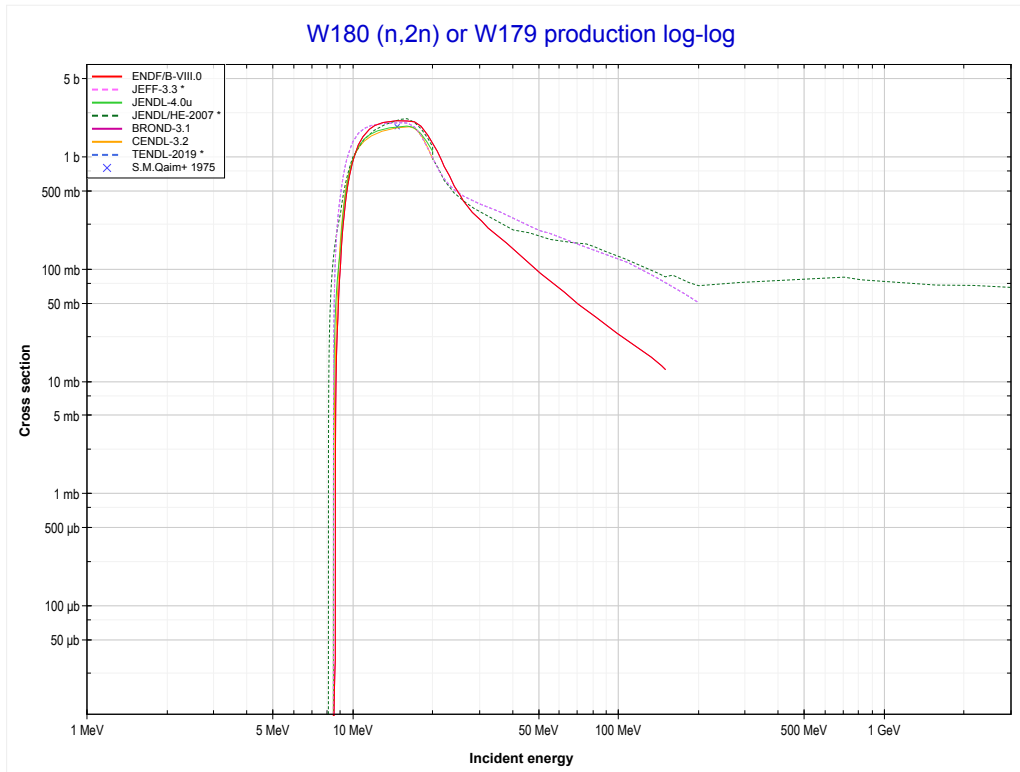
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8296.12 b | 8294.81 b | 13625 b | 1.64362 | 1065.6 b | 0.0676308 b | 9.02793E-4 b |
| ENDF/B-VIII.0 | 8291.39 b | 8291.39 b | 13613 b | 1.6418 | 1057.54 b | 0.0679691 b | 0.0042 b |
| JEFF-3.3 | 8237.95 b | 8237.95 b | 13418 b | 1.62876 | 1071.04 b | 0.0612983 b | 0.00113798 b |
| BROND-3.1 | 8291.39 b | 8291.39 b | 13613 b | 1.6418 | 1057.54 b | 0.0679691 b | 0.0042 b |
| TENDL-2019 | 8239.19 b | 8239.19 b | 13426 b | 1.62954 | 1133.44 b | 0.0602799 b | 0.00113714 b |

| | | |
|--------------------------|----------------------|----------------|
| << 73-Ta-181 | 74-W-180 | 74-W-182 >> |
| << 73-Ta-182 MT102 (n,γ) | MT1 (n,total) | MT16 (n,2n) >> |



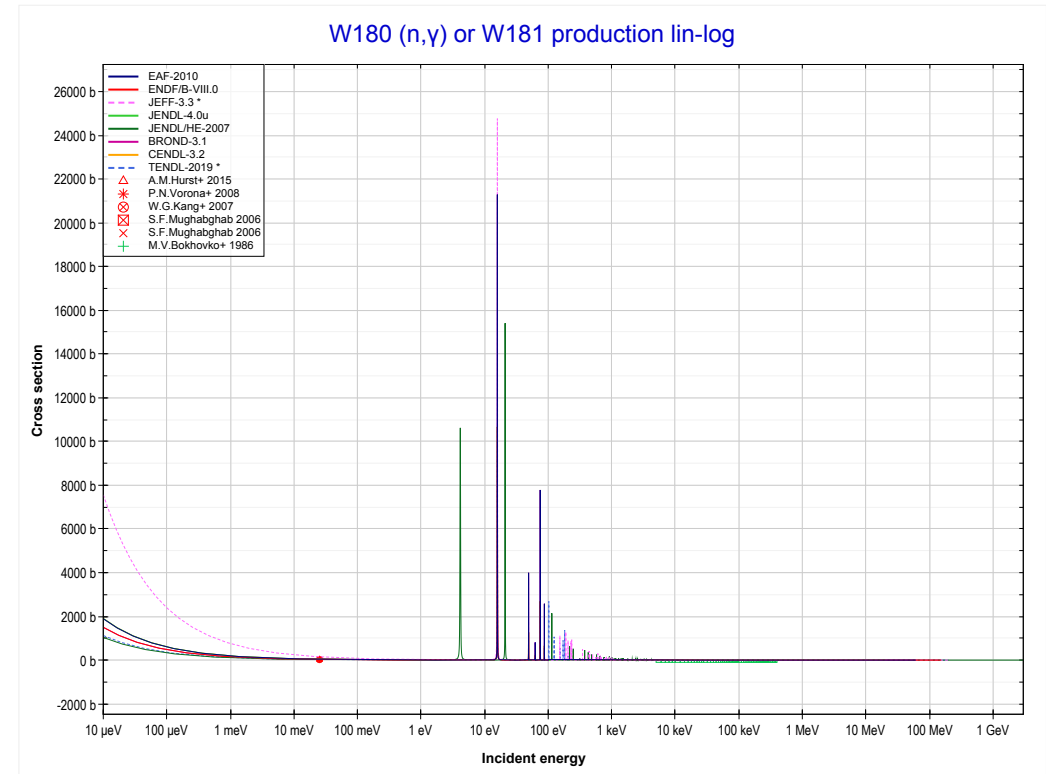
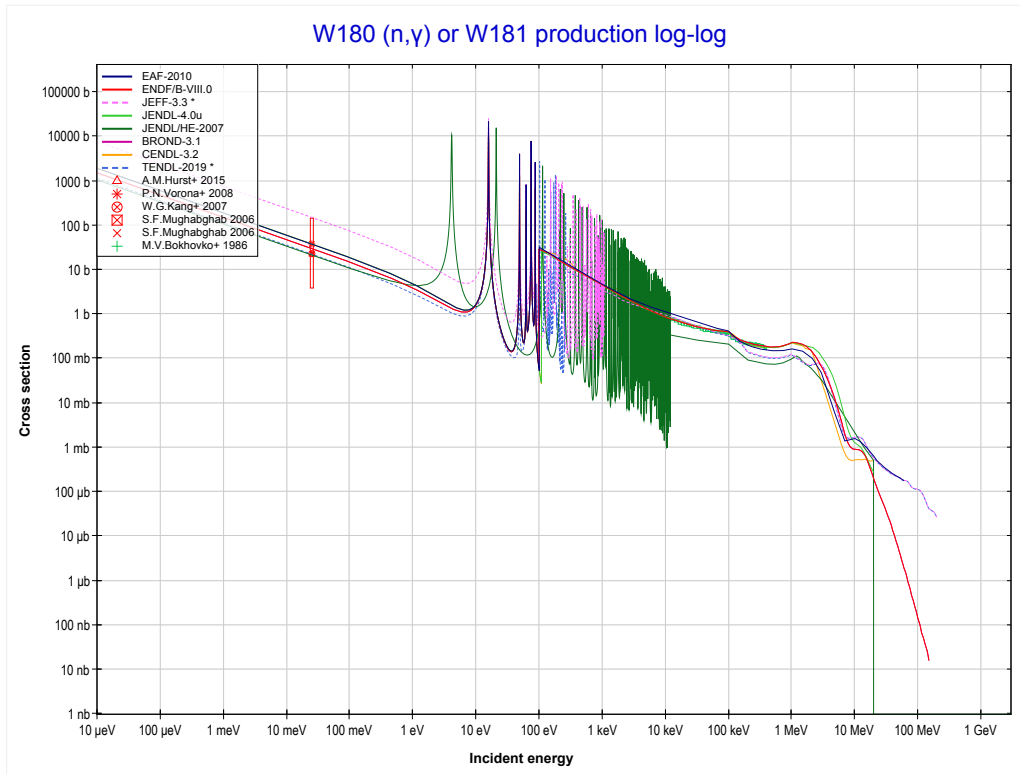
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 39.6391 b | 39.6391 b | 40.829 b | 1.03002 | 517.274 b | 6.88473 b | 5.31186 b |
| JEFF-3.3 | 158.059 b | 158.059 b | 158.69 b | 1.00402 | 1543.59 b | 7.28242 b | 5.33368 b |
| JENDL-4.0u | 48.5613 b | 48.5613 b | 49.843 b | 1.0264 | 530.832 b | 6.84917 b | 5.36985 b |
| JENDL/HE-2007 | 29.5808 b | 29.5808 b | 30.765 b | 1.04004 | 1101.8 b | 6.80117 b | 5.20585 b |
| BROND-3.1 | 39.6391 b | 39.6391 b | 40.829 b | 1.03002 | 517.321 b | 6.88473 b | 5.31186 b |
| CENDL-3.2 | 48.5543 b | 48.5543 b | 49.822 b | 1.02611 | 525.857 b | 6.90545 b | 5.3323 b |
| TENDL-2019 | 29.4972 b | 29.4972 b | 30.363 b | 1.02935 | 471.203 b | 7.2836 b | 5.33367 b |

| | | |
|------------------|---|-------------------------|
| << 73-Ta-181 | 74-W-180 | 74-W-182 >> |
| << MT1 (n,total) | MT16 (n,2n) or MT5 (W179 production) | MT102 (n, γ) >> |



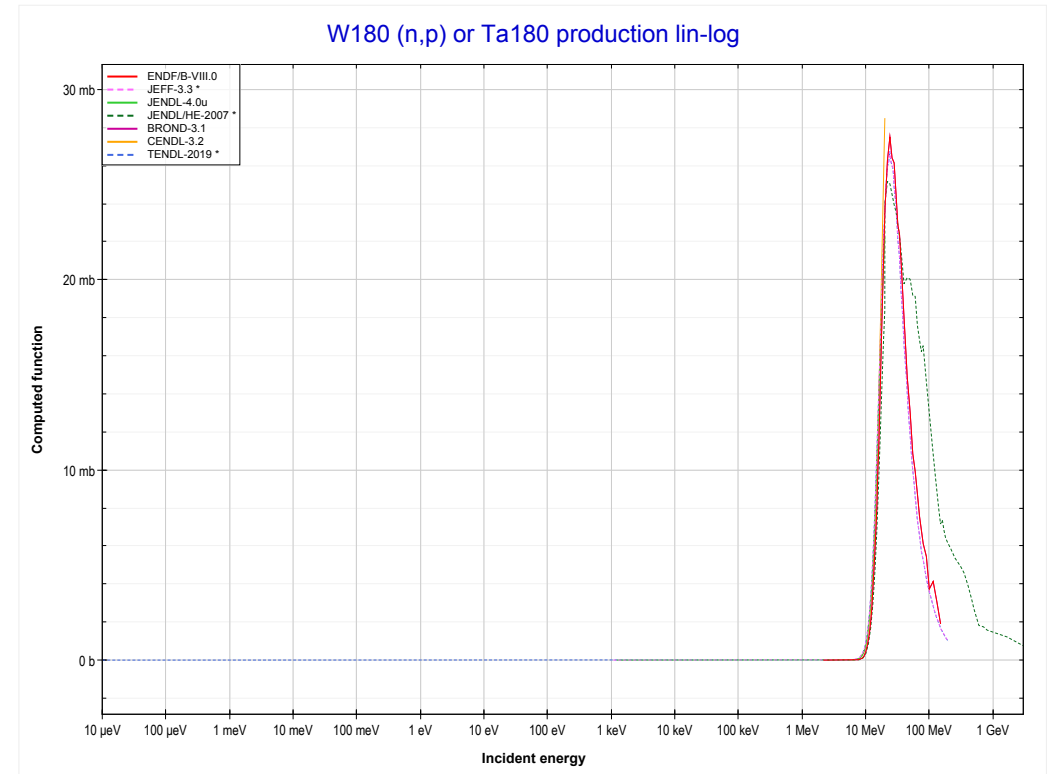
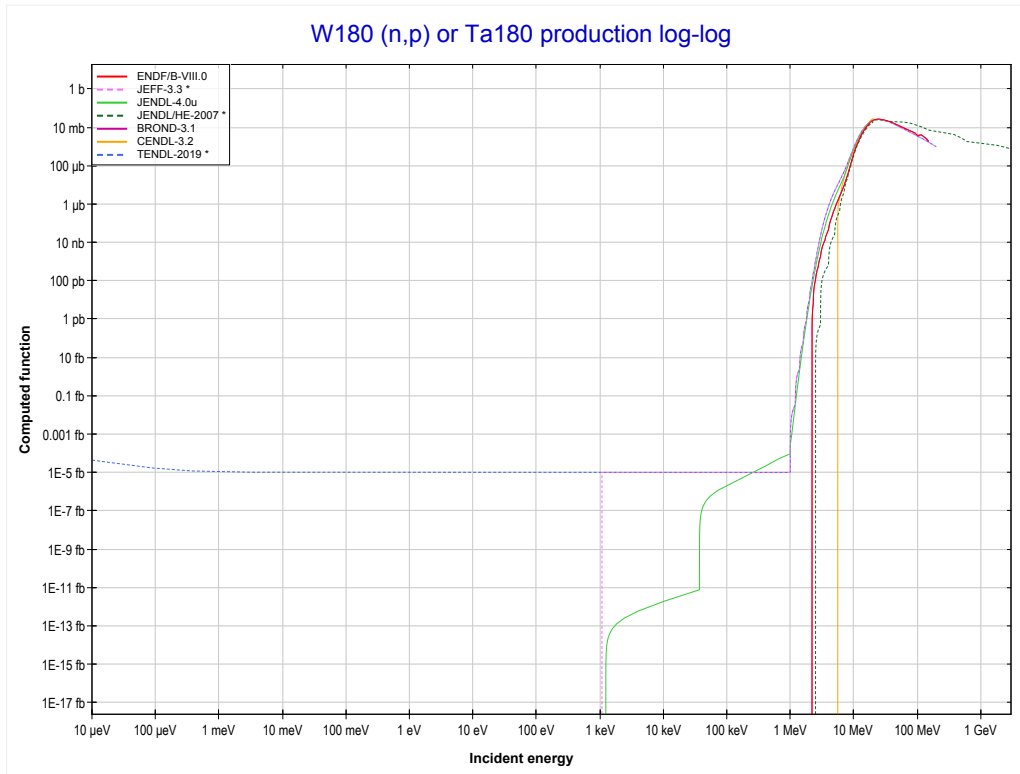
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.004001 b | 2.09517 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00561717 b | 2.02488 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00393985 b | 1.83821 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00459807 b | 2.05432 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.004001 b | 2.09517 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00388765 b | 1.7911 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00561806 b | 2.02358 b |

| | | |
|----------------|---|----------------|
| << 73-Ta-182 | 74-W-180 | 74-W-181 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (W181 production) | MT103 (n,p) >> |



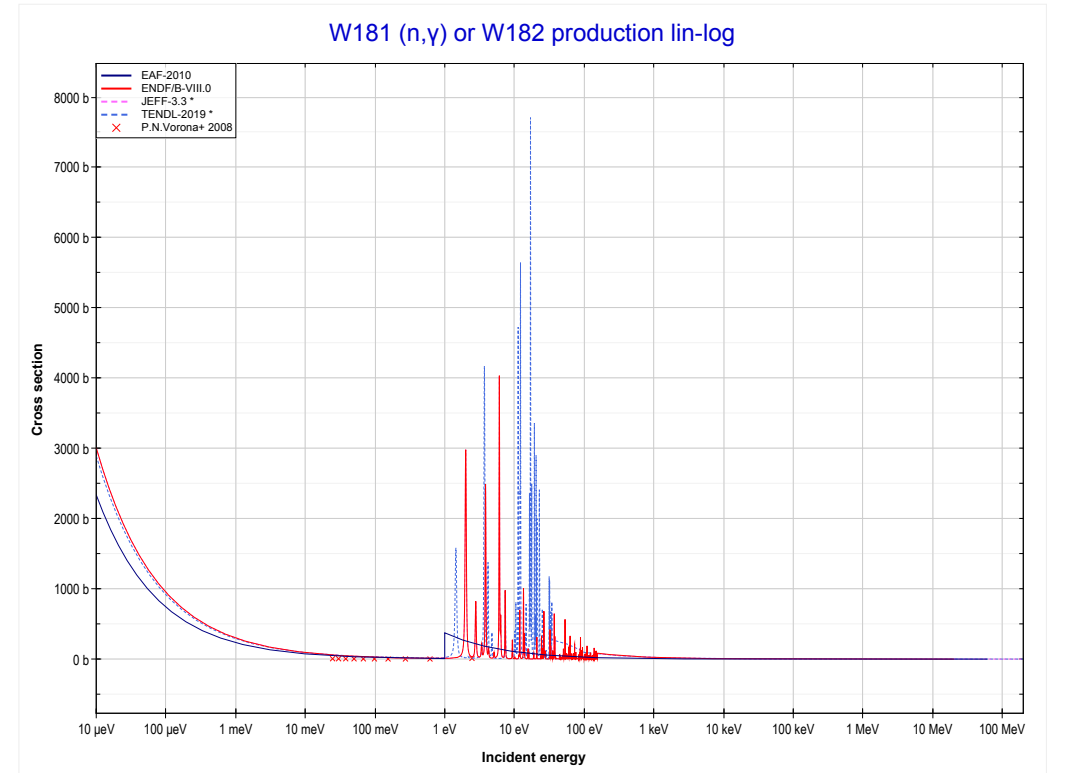
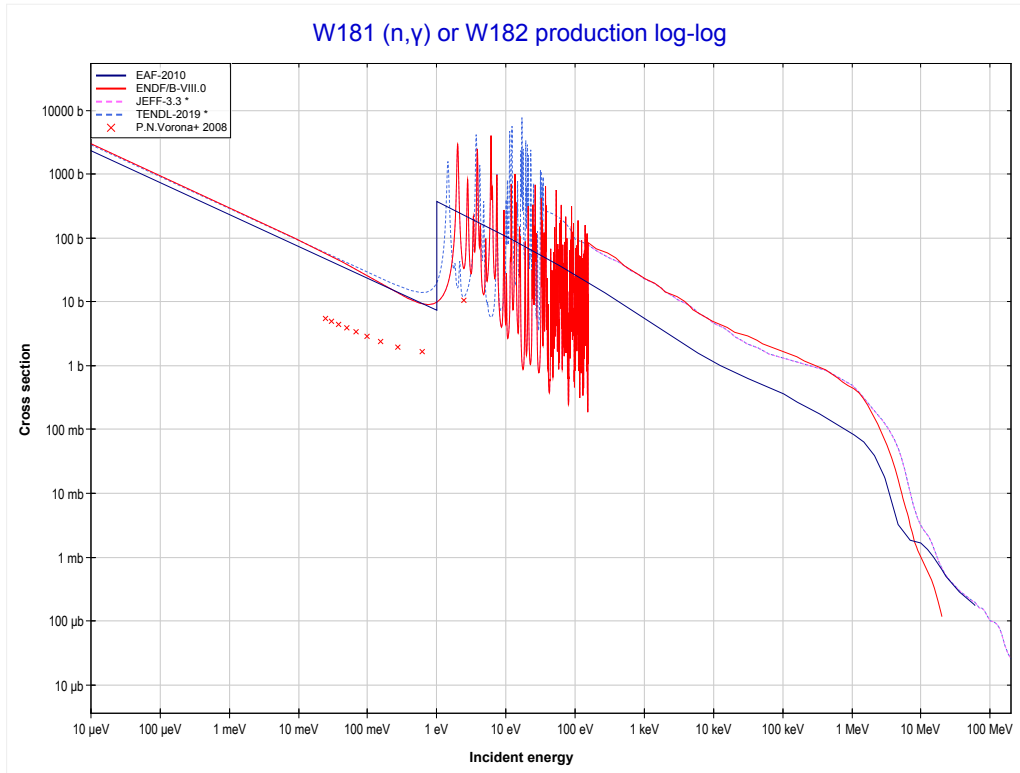
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 37.357 b | 37.3286 b | 37.209 b | 0.99679 | 250.526 b | 0.114542 b | 0.00113 b |
| ENDF/B-VIII.0 | 29.6533 b | 29.6533 b | 29.576 b | 0.9974 | 249.562 b | 0.150246 b | 7.13826E-4 b |
| JEFF-3.3 | 149.319 b | 149.319 b | 148.9 b | 0.99721 | 637.627 b | 0.0885989 b | 0.00138465 b |
| JENDL-4.0u | 37.6184 b | 37.6184 b | 37.515 b | 0.99725 | 247.598 b | 0.161419 b | 7.8165E-4 b |
| JENDL/HE-2007 | 20.712 b | 20.712 b | 20.773 b | 1.00296 | 628.063 b | 0.0661468 b | 0.001 b |
| BROND-3.1 | 29.6533 b | 29.6533 b | 29.576 b | 0.9974 | 249.624 b | 0.150246 b | 7.13826E-4 b |
| CENDL-3.2 | 37.6115 b | 37.6115 b | 37.494 b | 0.99687 | 252.709 b | 0.136712 b | 5.3029E-4 b |
| TENDL-2019 | 22.1933 b | 22.1933 b | 22.13 b | 0.99717 | 224.51 b | 0.0852788 b | 0.0013813 b |

| | | |
|-------------------------|--|----------------------------------|
| << 73-Ta-181 | 74-W-180 | 74-W-182 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ta180 production) | 74-W-181 MT102 (n, γ) >> |



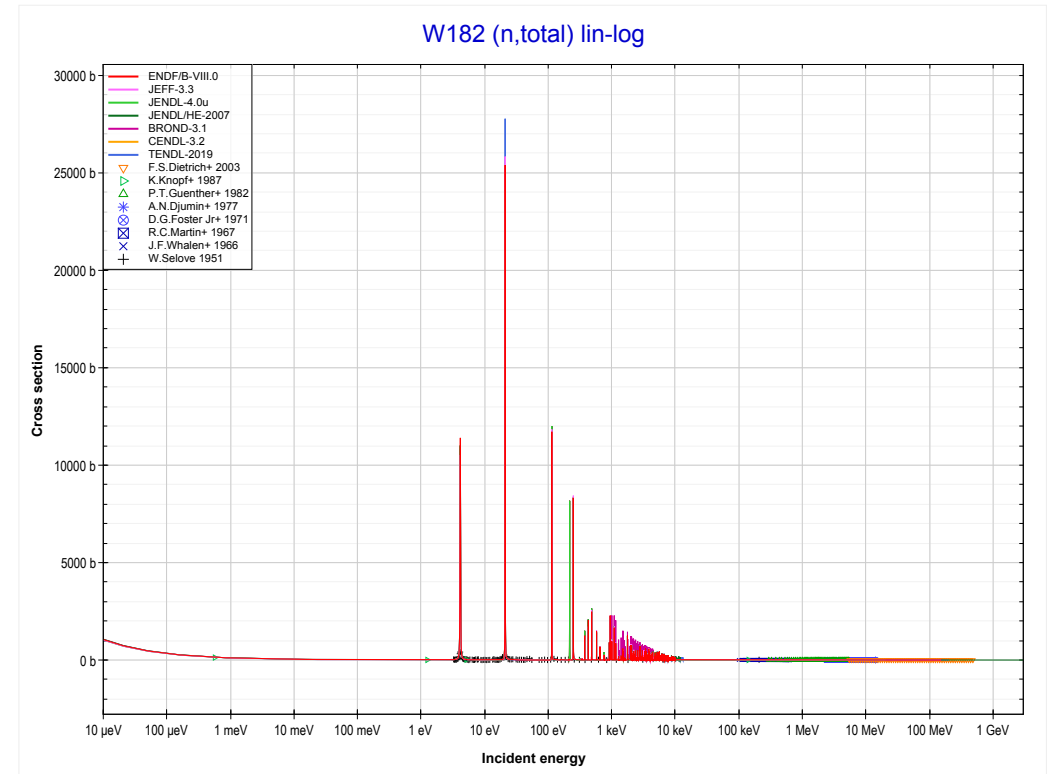
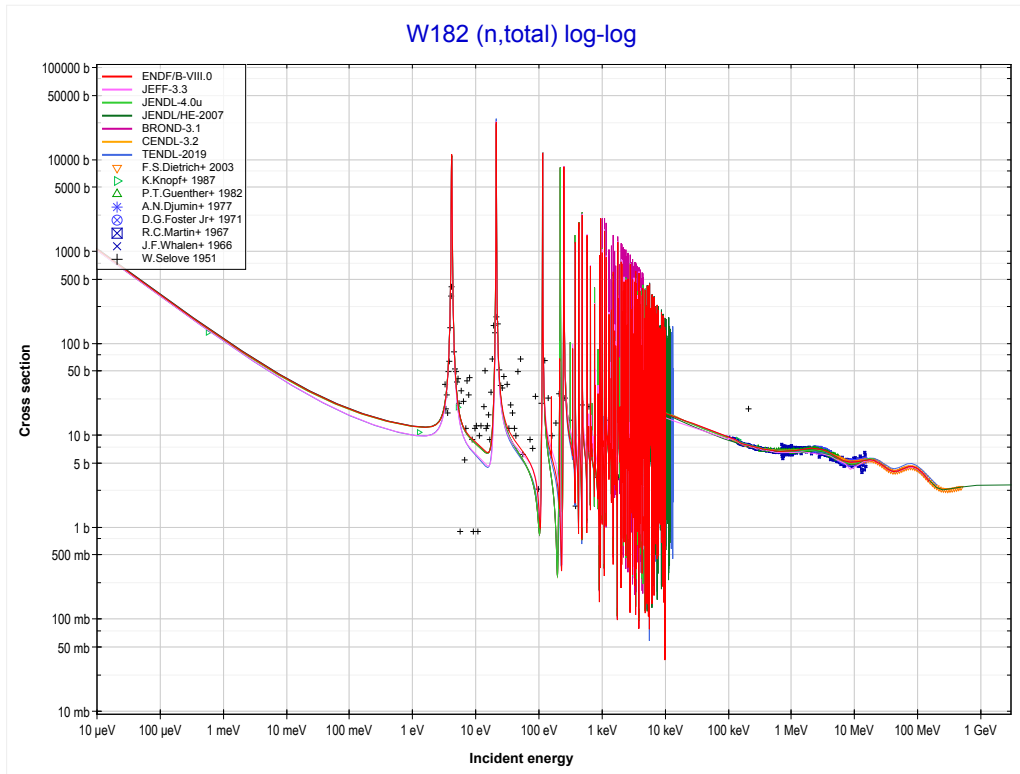
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.71612E-6 b | 0.00580848 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.52847E-20 b | 9.26688E-6 b | 0.00802655 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 8.52955E-22 b | 7.58067E-6 b | 0.00754807 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.80642E-6 b | 0.00473598 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.71612E-6 b | 0.00580848 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.13174E-6 b | 0.0071343 b |
| TENDL-2019 | 1.0028E-20 b | 1.0028E-20 b | 1.1316E-20 b | 1.12844 | 1.22071E-19 b | 9.27178E-6 b | 0.00803595 b |

| | | |
|-------------------------|---|---------------------------|
| << 74-W-180 | 74-W-181 | 74-W-182 >> |
| << 74-W-180 MT103 (n,p) | MT102 (n,γ) or MT5 (W182 production) | 74-W-182 MT1 (n,total) >> |



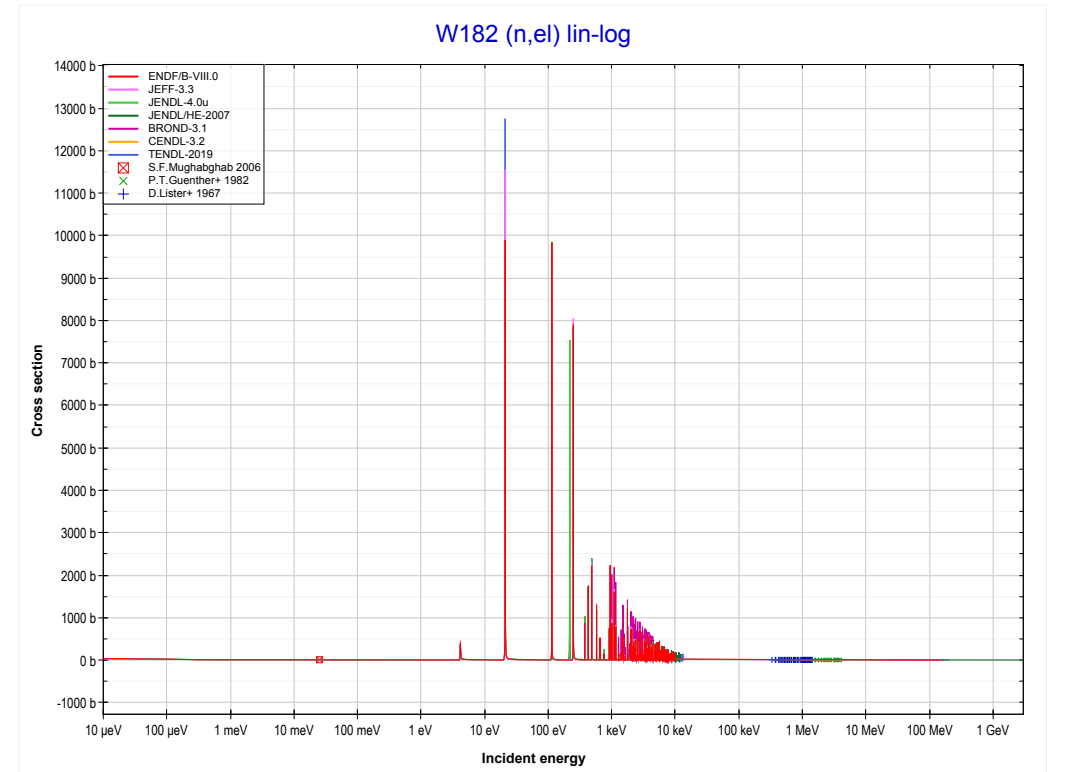
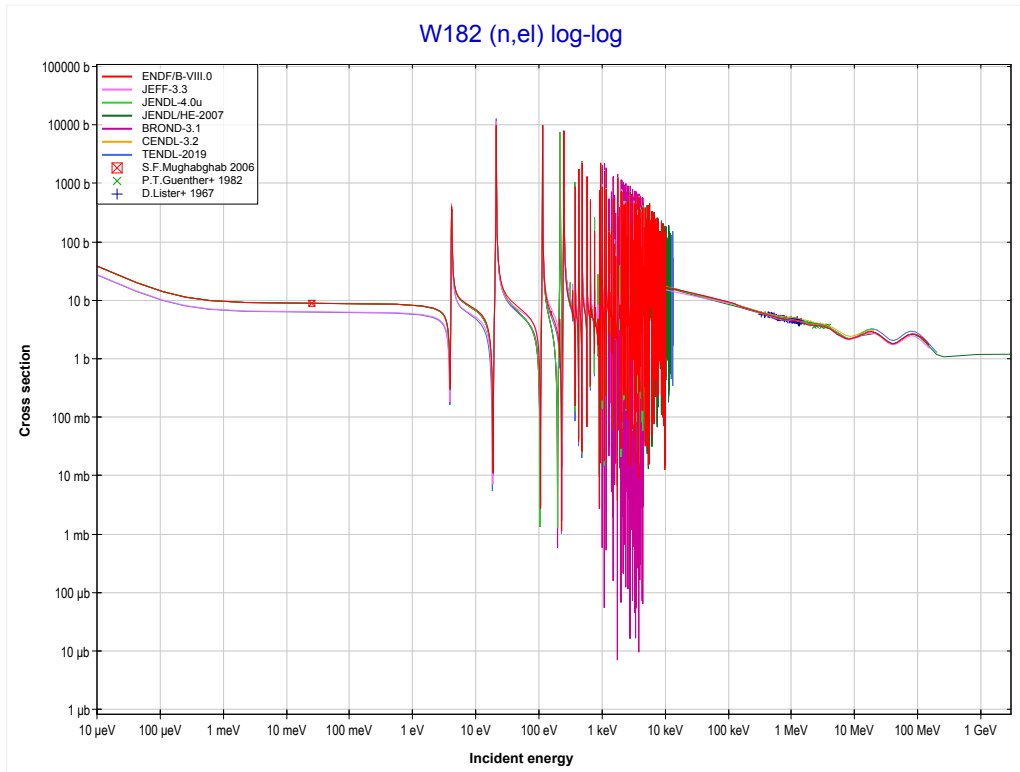
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 46.483 b | 46.4482 b | 46.451 b | 1.00005 | 671.514 b | 0.0764916 b | 0.00113 b |
| ENDF/B-VIII.0 | 56.8479 b | 56.8479 b | 55.96 b | 0.98438 | 762.708 b | 0.38098 b | 4.56377E-4 b |
| JEFF-3.3 | 56.84 b | 56.84 b | 55.964 b | 0.9846 | 754.411 b | 0.392114 b | 0.00177116 b |
| TENDL-2019 | 57.4339 b | 57.4339 b | 57.446 b | 1.00021 | 1480.96 b | 0.394271 b | 0.00177244 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 74-W-180 | 74-W-182 | 74-W-183 >> |
| << 74-W-181 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



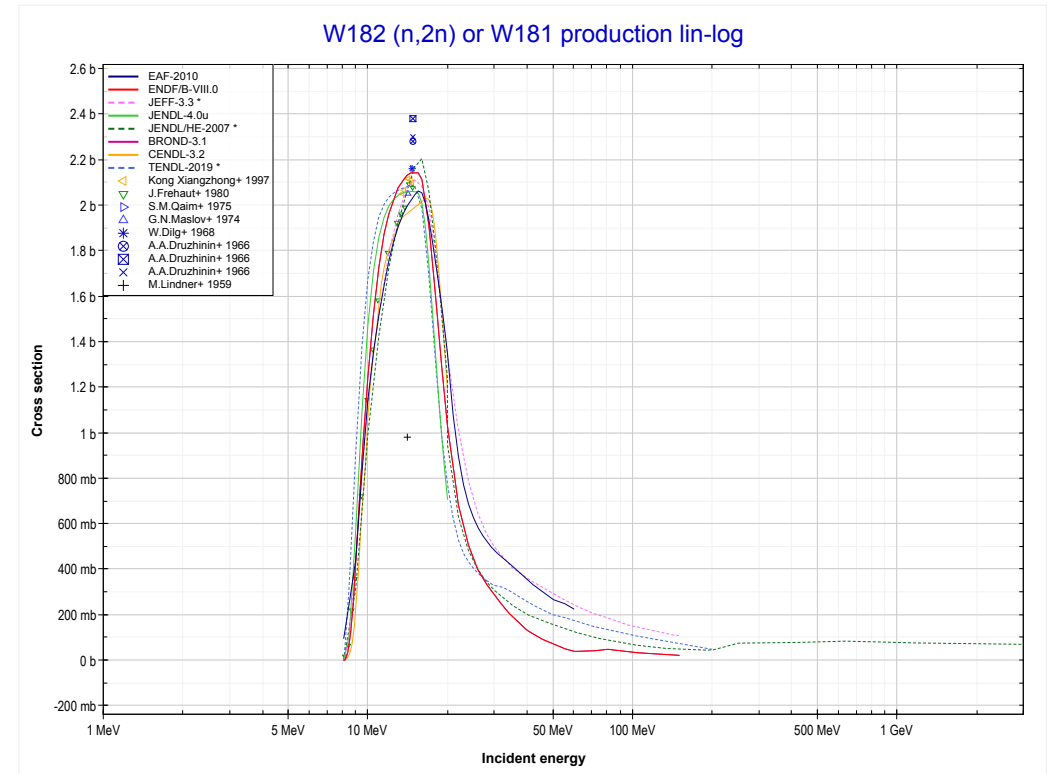
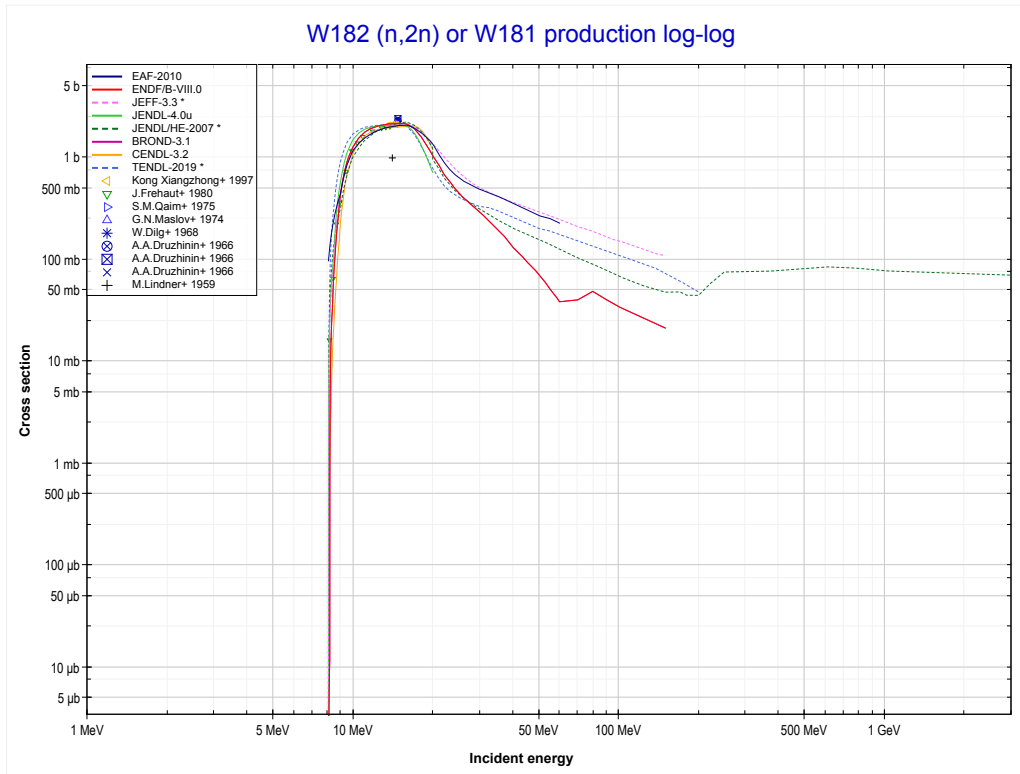
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.1838 b | 29.1838 b | 30.373 b | 1.04075 | 1060.57 b | 6.94052 b | 5.33242 b |
| JEFF-3.3 | 26.2632 b | 26.2632 b | 27.129 b | 1.03296 | 1024.56 b | 6.46818 b | 5.19132 b |
| JENDL-4.0u | 28.7389 b | 28.7389 b | 29.93 b | 1.04145 | 1102.79 b | 6.8233 b | 5.36527 b |
| JENDL/HE-2007 | 29.5779 b | 29.5779 b | 30.762 b | 1.04004 | 1101.66 b | 6.80116 b | 5.20585 b |
| BROND-3.1 | 29.5828 b | 29.5828 b | 30.774 b | 1.04026 | 1103.58 b | 6.94101 b | 5.33242 b |
| CENDL-3.2 | 28.7343 b | 28.7343 b | 29.919 b | 1.04123 | 1102.71 b | 6.92511 b | 5.3966 b |
| TENDL-2019 | 26.158 b | 26.158 b | 27.01 b | 1.03258 | 1067.4 b | 6.73741 b | 5.38691 b |

| | | |
|------------------|------------------------|----------------|
| << 73-Ta-181 | 74-W-182 | 74-W-183 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



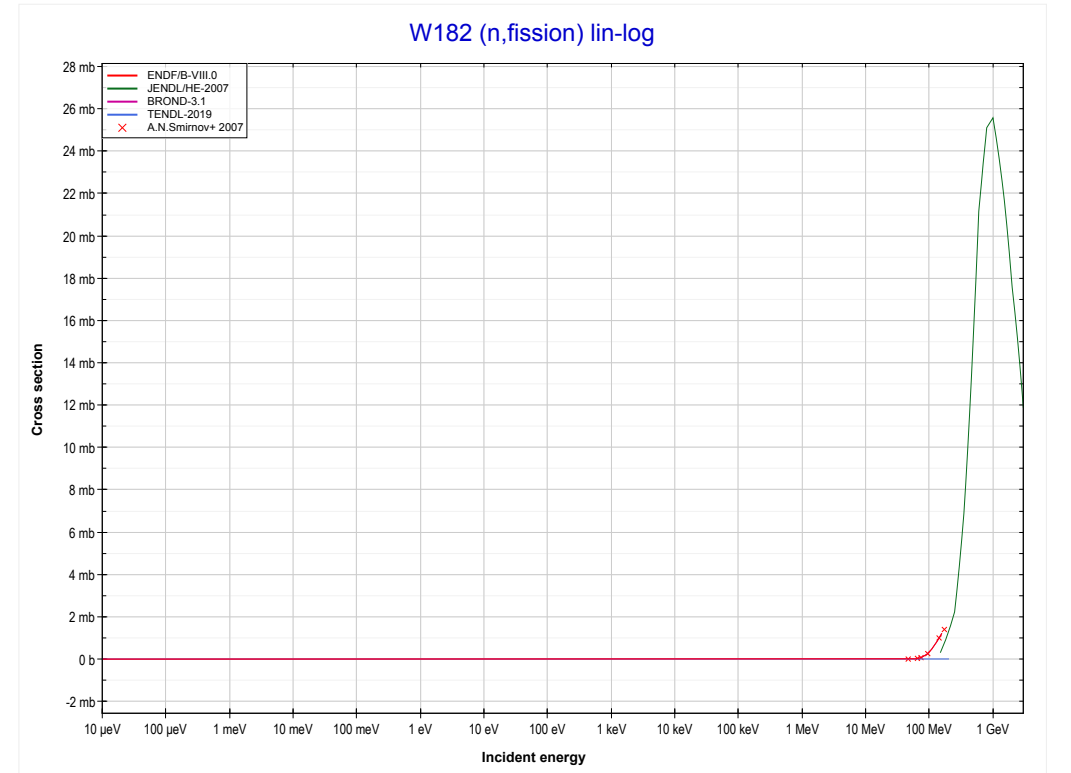
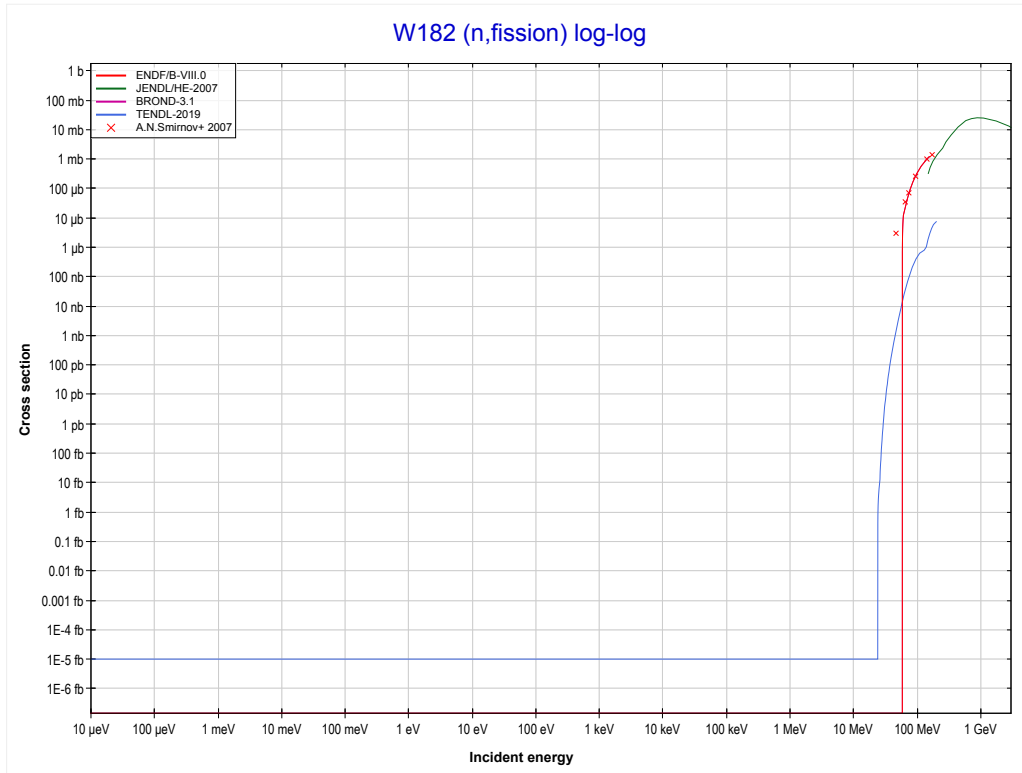
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.8684 b | 8.8684 b | 9.9923 b | 1.12673 | 442.441 b | 4.33696 b | 2.66572 b |
| JEFF-3.3 | 6.35705 b | 6.35705 b | 7.162 b | 1.12662 | 453.385 b | 4.28613 b | 2.60918 b |
| JENDL-4.0u | 8.86841 b | 8.86841 b | 9.9908 b | 1.12656 | 474.693 b | 4.4893 b | 2.89848 b |
| JENDL/HE-2007 | 8.86841 b | 8.86841 b | 9.9914 b | 1.12663 | 473.656 b | 4.39146 b | 2.55013 b |
| BROND-3.1 | 8.86841 b | 8.86841 b | 9.9908 b | 1.12656 | 475.202 b | 4.3374 b | 2.66572 b |
| CENDL-3.2 | 8.86841 b | 8.86841 b | 9.9914 b | 1.12663 | 474.813 b | 4.74554 b | 2.9251 b |
| TENDL-2019 | 6.2535 b | 6.2535 b | 7.045 b | 1.12657 | 465.843 b | 4.49082 b | 2.89848 b |

| | | |
|--------------------|---|---------------------|
| << 74-W-180 | 74-W-182 | 74-W-183 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (W181 production) | MT18 (n,fission) >> |



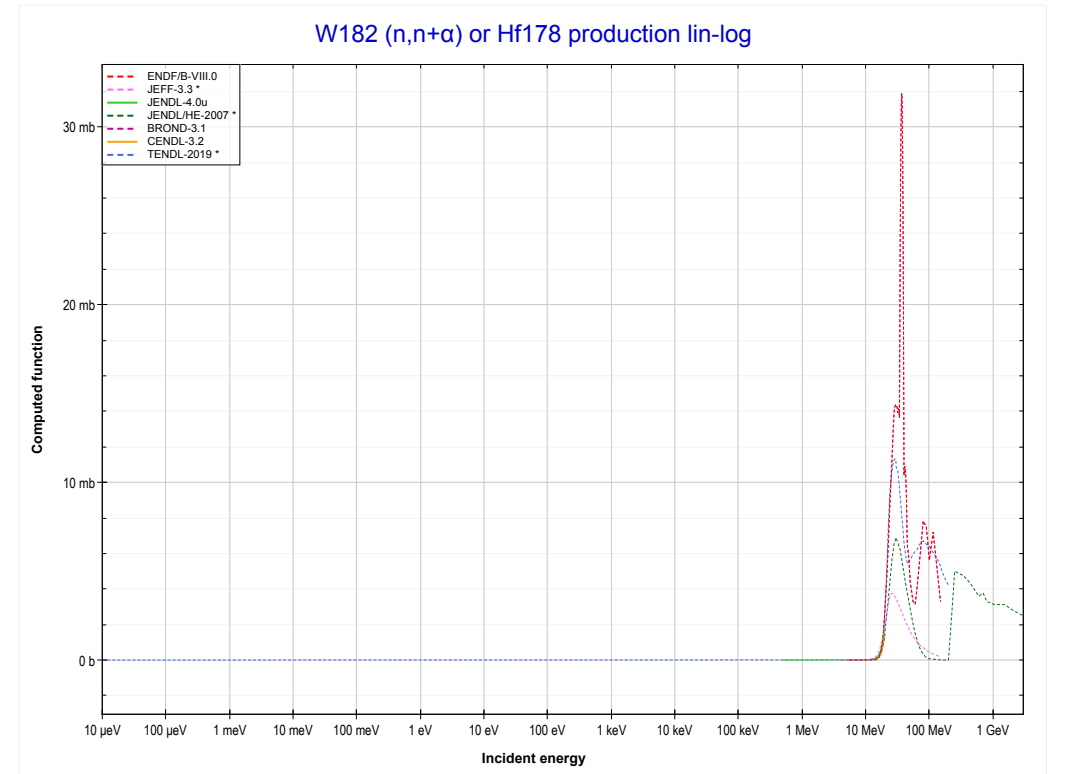
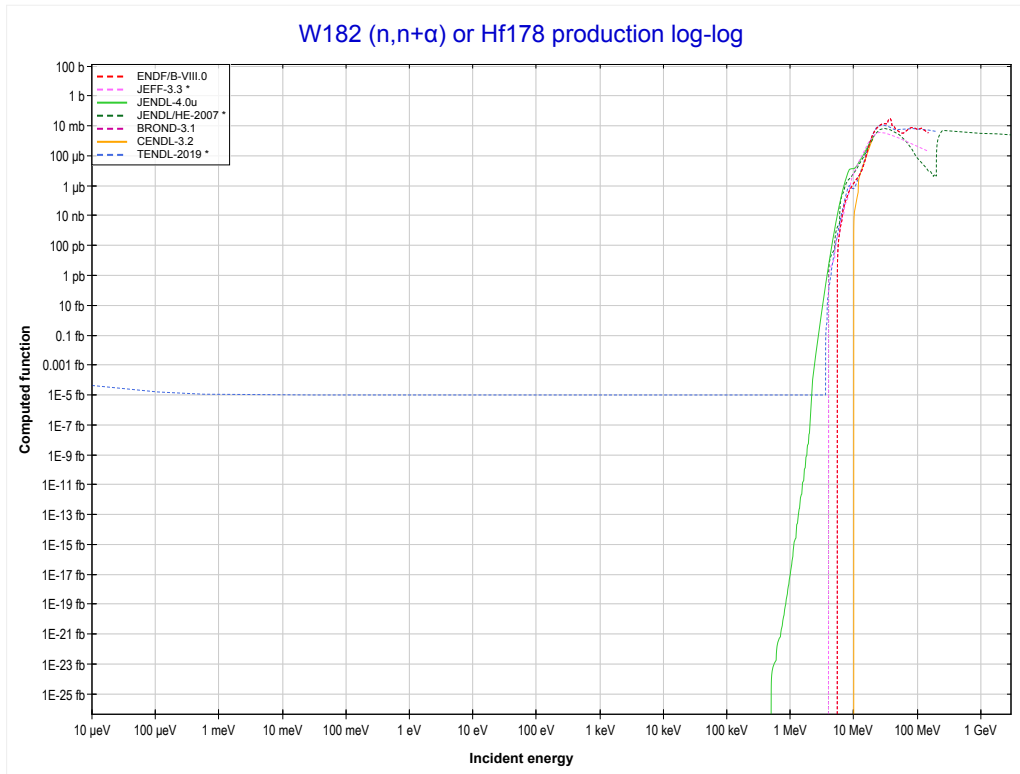
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00524308 b | 1.992 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00539653 b | 2.12945 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00510548 b | 2.07175 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00622467 b | 2.05832 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00459839 b | 2.05432 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00539653 b | 2.12945 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0044012 b | 1.9609 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0076013 b | 2.08108 b |

| | | |
|----------------|-------------------------|-----------------|
| << 73-Ta-181 | 74-W-182 | 74-W-183 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT22 (n,n+α) >> |



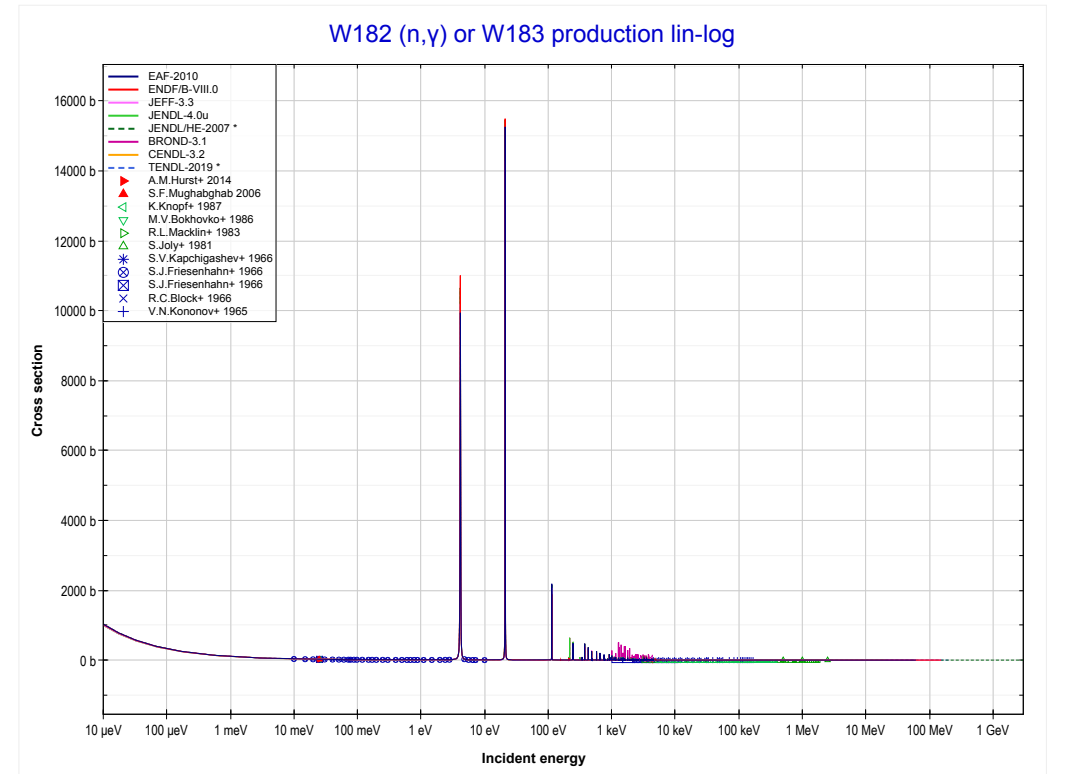
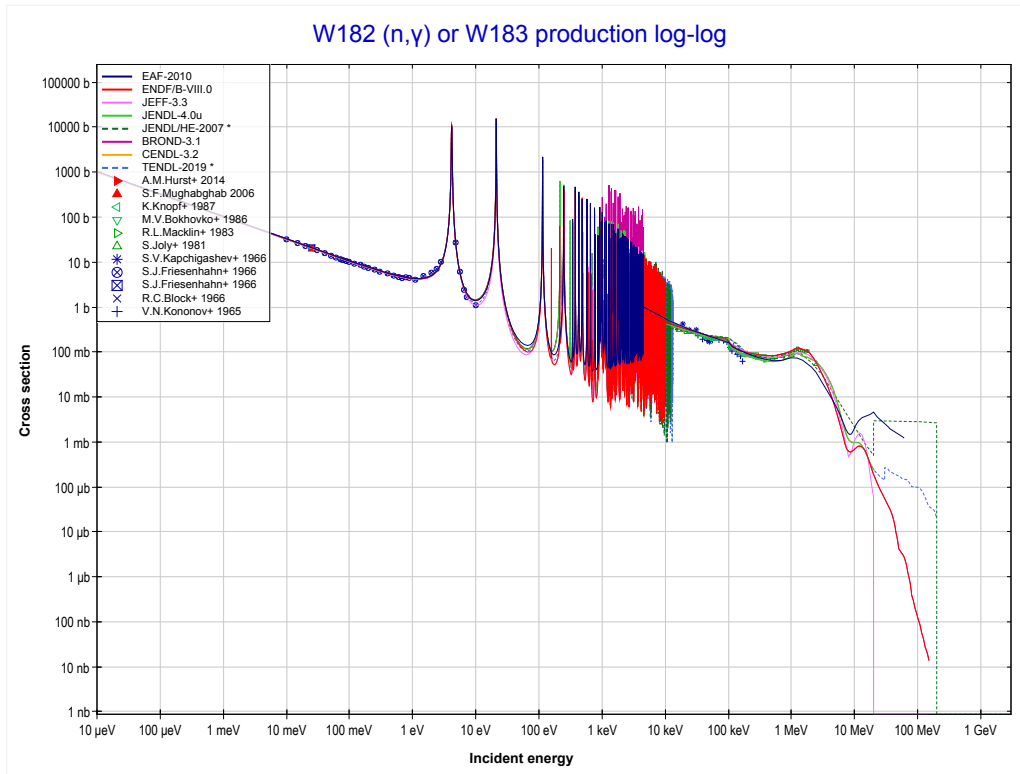
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|---|----------------|
| << 73-Ta-181 | 74-W-182 | 74-W-186 >> |
| << MT18 (n,fission) | MT22 (n,n+α) or MT5 (Hf178 production) | MT102 (n,γ) >> |



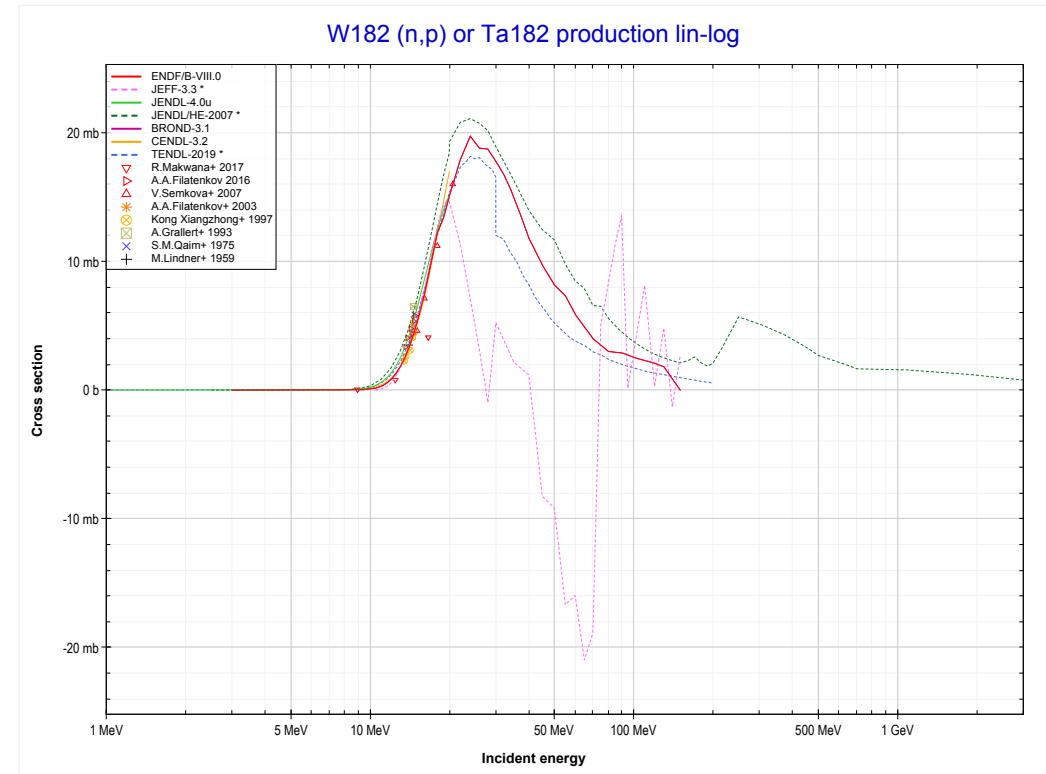
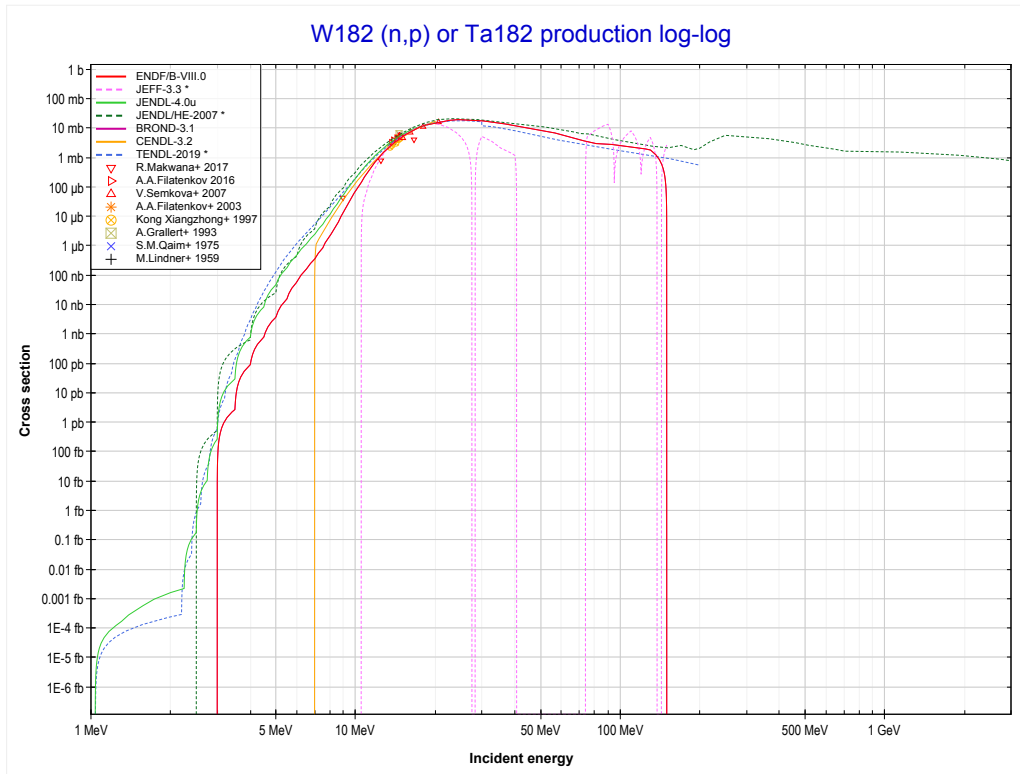
| Reaction | Q-Value |
|---------------------|---------------|
| W182(n,n+α)Hf178 | 1764.18 keV |
| W182(n,d+t)Hf178 | -15825.11 keV |
| W182(n,n+p+t)Hf178 | -18049.68 keV |
| W182(n,2n+He3)Hf178 | -18813.44 keV |
| W182(n,n+2d)Hf178 | -22082.34 keV |
| W182(n,2n+p+d)Hf178 | -24306.91 keV |
| W182(n,3n+2p)Hf178 | -26531.48 keV |

| | | |
|-----------------|---|----------------|
| << 74-W-181 | 74-W-182 | 74-W-183 >> |
| << MT22 (n,n+α) | MT102 (n,γ) or MT5 (W183 production) | MT103 (n,p) >> |



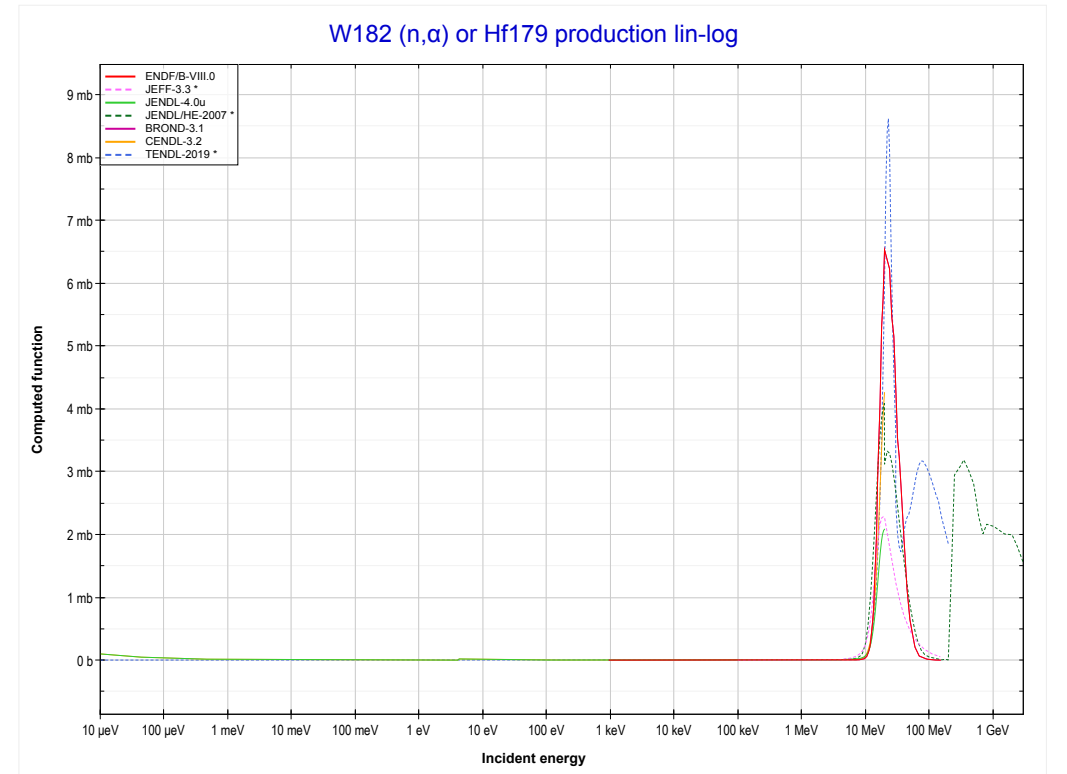
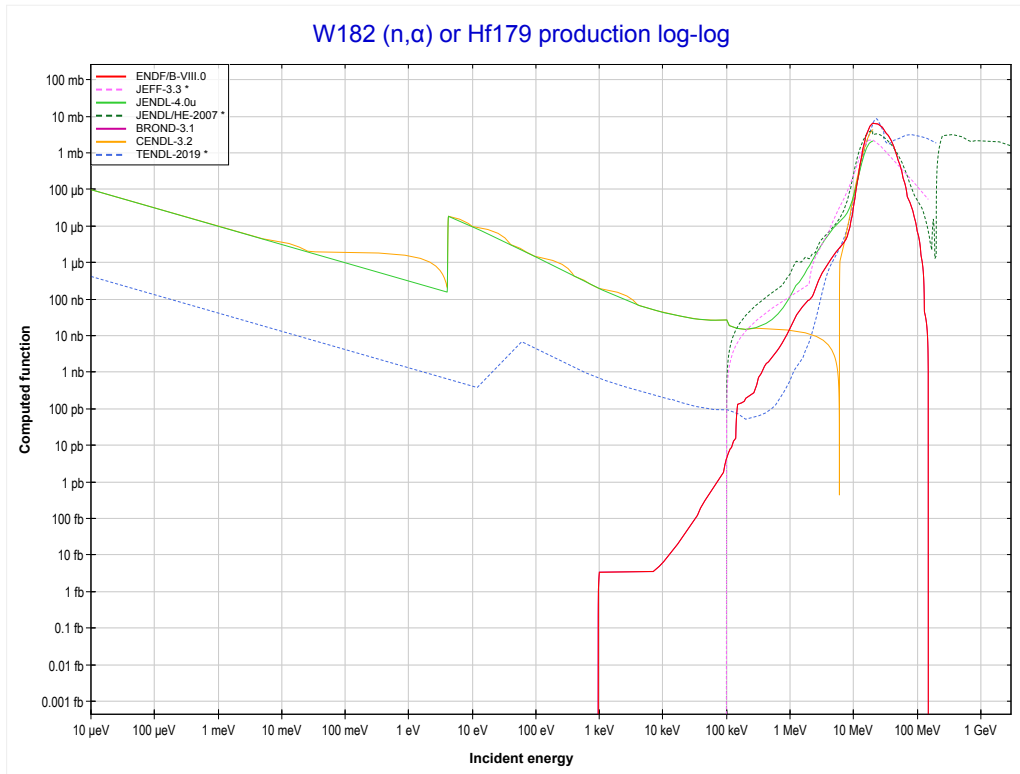
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20.565 b | 20.5498 b | 20.606 b | 1.00275 | 596.763 b | 0.0529344 b | 0.00359847 b |
| ENDF/B-VIII.0 | 20.3154 b | 20.3154 b | 20.381 b | 1.00321 | 618.13 b | 0.0777014 b | 7.05531E-4 b |
| JEFF-3.3 | 19.9061 b | 19.9061 b | 19.967 b | 1.00304 | 571.179 b | 0.0709886 b | 0.00112 b |
| JENDL-4.0u | 19.8705 b | 19.8705 b | 19.939 b | 1.00346 | 628.098 b | 0.0635055 b | 7.12083E-4 b |
| JENDL/HE-2007 | 20.7095 b | 20.7095 b | 20.771 b | 1.00296 | 627.983 b | 0.0661467 b | 0.001 b |
| BROND-3.1 | 20.7144 b | 20.7144 b | 20.783 b | 1.00332 | 628.375 b | 0.0777522 b | 7.05531E-4 b |
| CENDL-3.2 | 19.8659 b | 19.8659 b | 19.928 b | 1.0031 | 627.888 b | 0.063624 b | 7.1208E-4 b |
| TENDL-2019 | 19.9045 b | 19.9045 b | 19.965 b | 1.00305 | 601.544 b | 0.0642962 b | 7.1208E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 74-W-180 | 74-W-182 | 74-W-183 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ta182 production) | MT107 (n, α) >> |



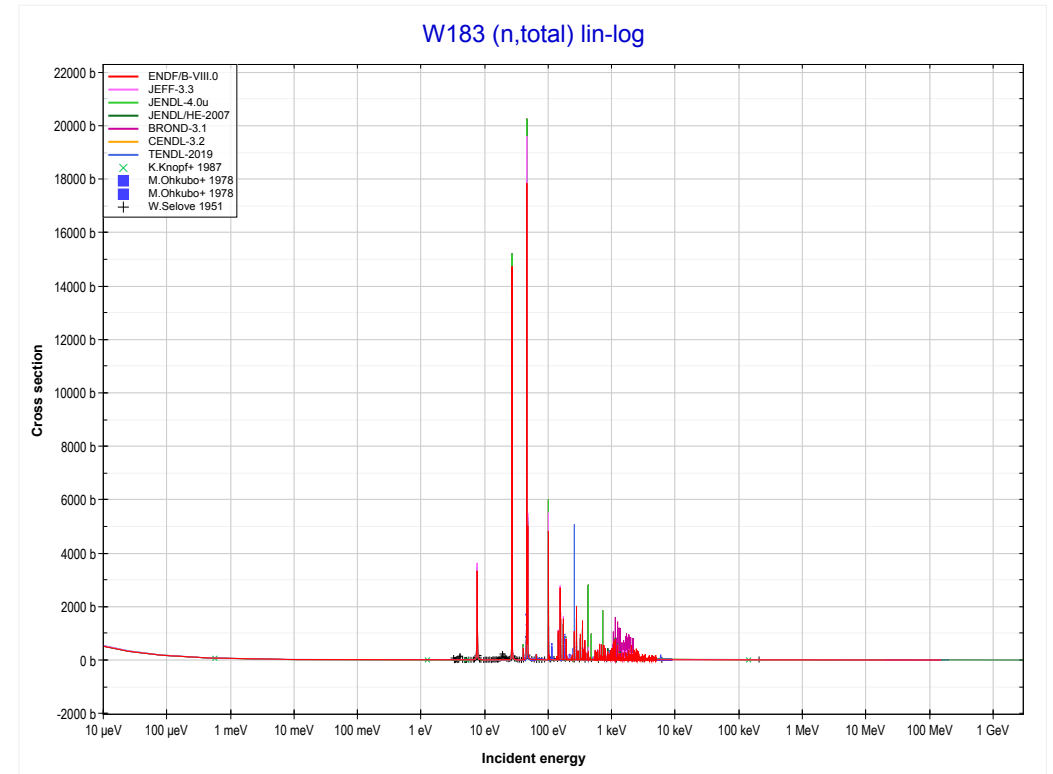
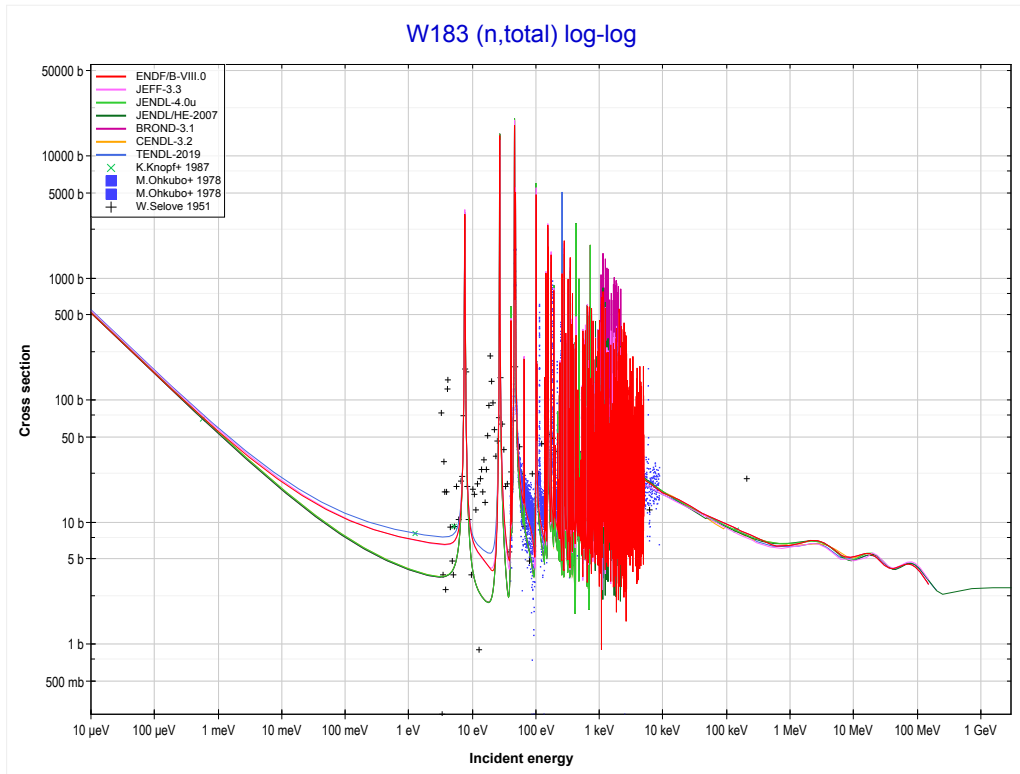
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76456E-6 b | 0.00322067 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38791E-6 b | 0.0033176 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.78873E-6 b | 0.0041038 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.80642E-6 b | 0.00473598 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76456E-6 b | 0.00322067 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.02829E-6 b | 0.0031099 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.71435E-6 b | 0.00364026 b |

| | | |
|----------------|--|---------------------------|
| << 73-Ta-181 | 74-W-182 | 74-W-183 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Hf179 production) | 74-W-183 MT1 (n,total) >> |



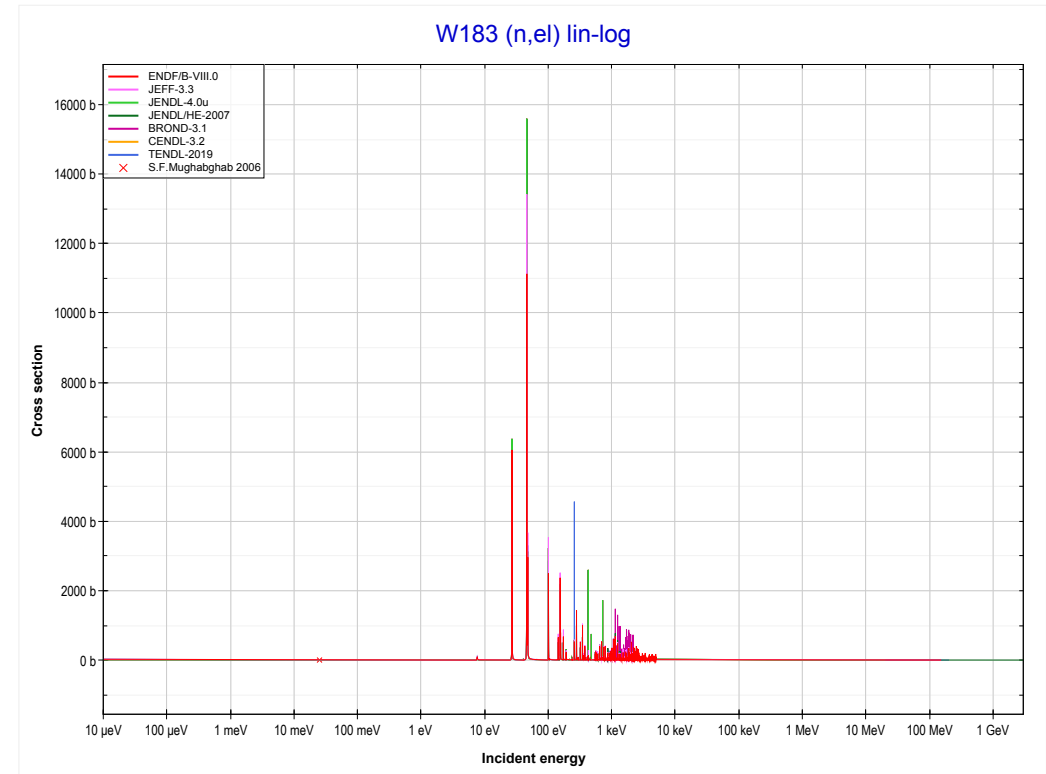
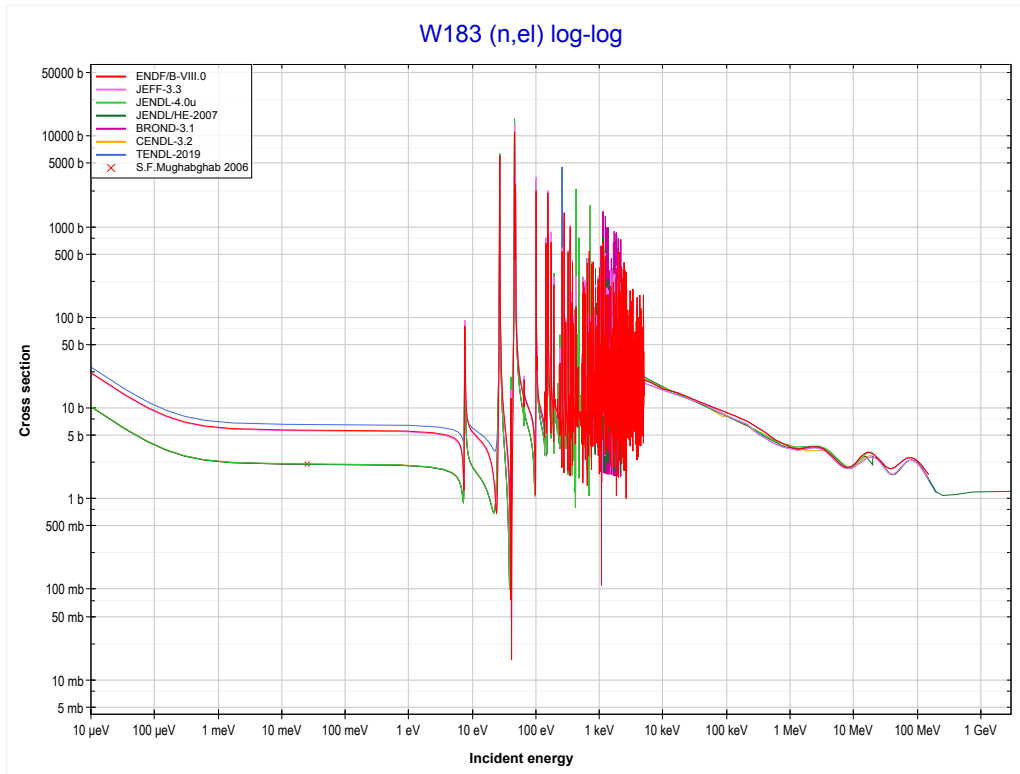
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.01157E-12 b | 1.03161E-6 b | 0.00128808 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.71802E-20 b | 5.07176E-6 b | 0.00130452 b |
| JENDL-4.0u | 1.95738E-6 b | 1.95738E-6 b | 1.9582E-6 b | 1.00042 | 2.43049E-5 b | 2.58051E-6 b | 6.78634E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.91951E-6 b | 0.0020967 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.01158E-12 b | 1.03161E-6 b | 0.00128808 b |
| CENDL-3.2 | 2.06321E-6 b | 2.06321E-6 b | 2.5616E-6 b | 1.24154 | 2.95583E-5 b | 8.10346E-7 b | 9.4526E-4 b |
| TENDL-2019 | 8.31442E-9 b | 8.31442E-9 b | 8.311E-9 b | 0.99959 | 1.51141E-8 b | 8.37502E-7 b | 8.20916E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << 74-W-182 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



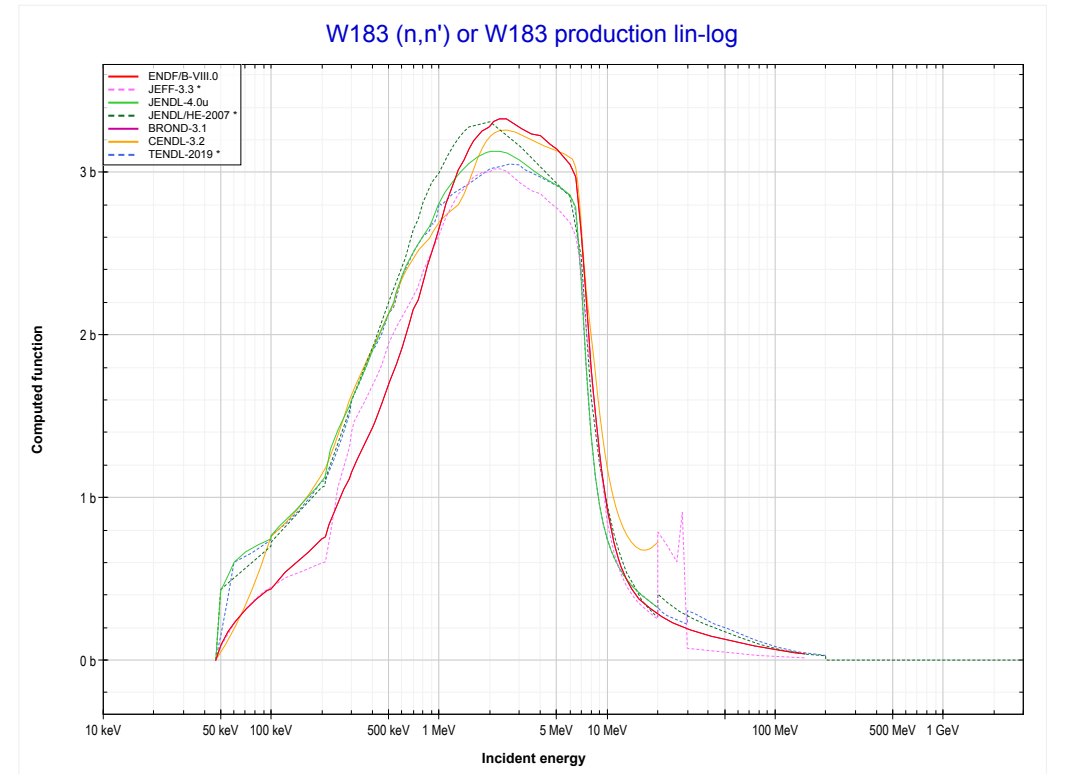
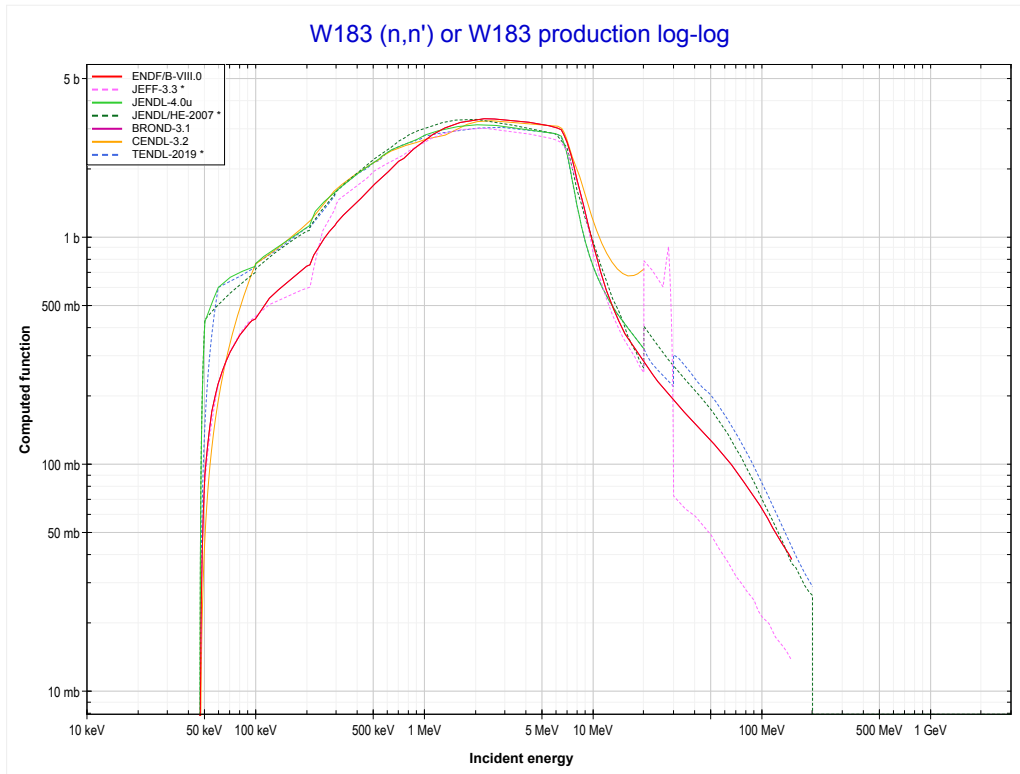
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.5621 b | 15.5621 b | 16.305 b | 1.04776 | 787.909 b | 6.79072 b | 5.48484 b |
| JEFF-3.3 | 15.8978 b | 15.8978 b | 16.629 b | 1.046 | 818.082 b | 6.41127 b | 5.03659 b |
| JENDL-4.0u | 12.8131 b | 12.8131 b | 13.135 b | 1.02514 | 822.26 b | 6.83189 b | 5.37418 b |
| JENDL/HE-2007 | 12.5009 b | 12.5009 b | 12.817 b | 1.02529 | 800.095 b | 6.82241 b | 5.21486 b |
| BROND-3.1 | 12.5032 b | 12.5032 b | 12.823 b | 1.02556 | 801.372 b | 6.79089 b | 5.48484 b |
| CENDL-3.2 | 12.8107 b | 12.8107 b | 13.129 b | 1.02487 | 826.166 b | 6.67593 b | 5.4047 b |
| TENDL-2019 | 16.978 b | 16.978 b | 17.831 b | 1.05023 | 833.639 b | 6.51385 b | 5.21735 b |

| | | |
|------------------|------------------------|---------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



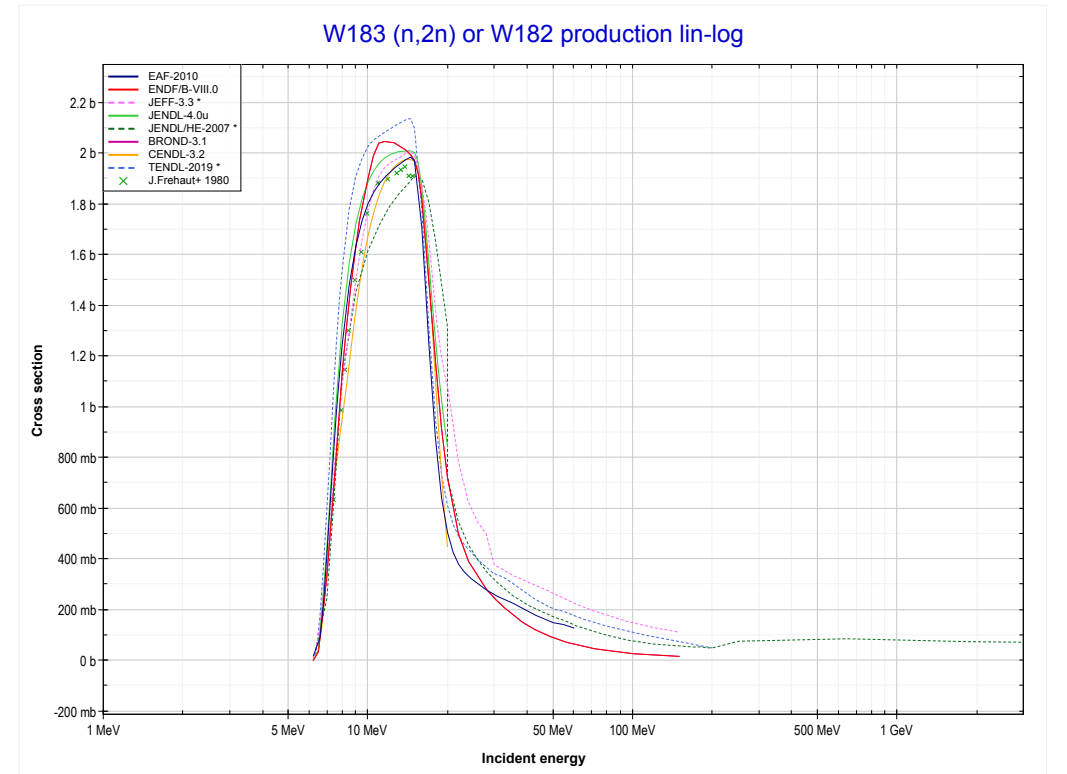
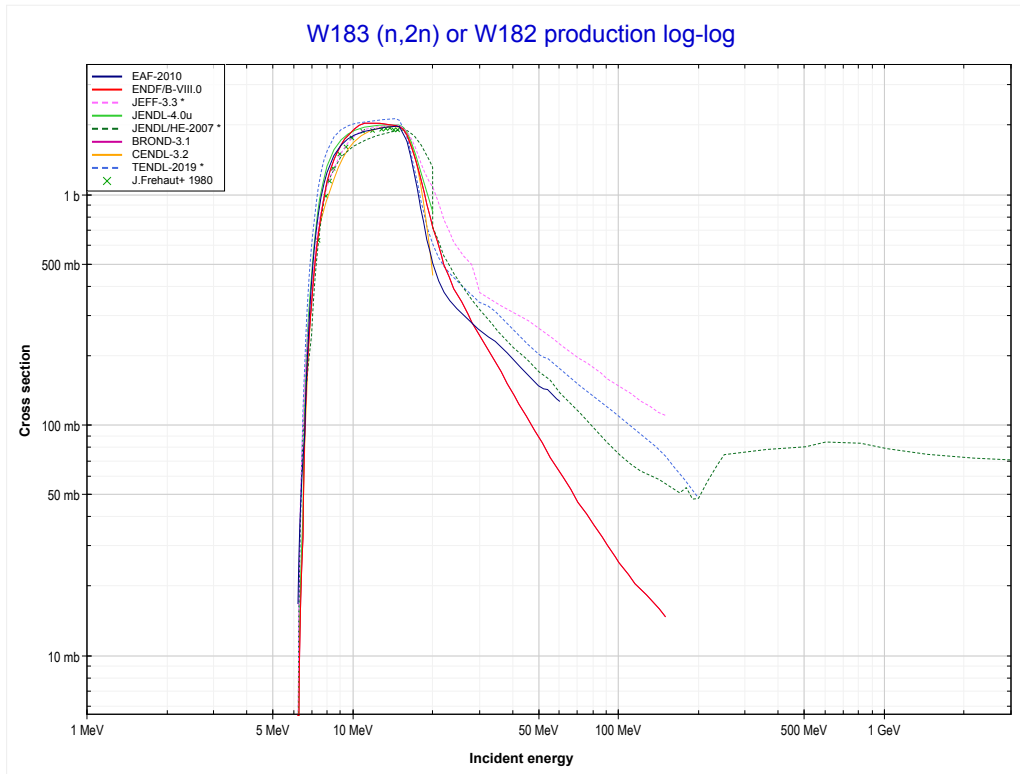
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 5.69106 b | 5.69106 b | 6.4181 b | 1.12774 | 427.159 b | 4.01888 b | 3.03052 b |
| JEFF-3.3 | 5.59483 b | 5.59483 b | 6.3092 b | 1.12768 | 458.704 b | 3.79762 b | 2.62031 b |
| JENDL-4.0u | 2.40869 b | 2.40869 b | 2.7159 b | 1.12754 | 483.08 b | 4.05233 b | 2.90006 b |
| JENDL/HE-2007 | 2.38811 b | 2.38811 b | 2.6929 b | 1.12762 | 465.231 b | 3.93302 b | 2.85142 b |
| BROND-3.1 | 2.38811 b | 2.38811 b | 2.6927 b | 1.12755 | 462.291 b | 4.01907 b | 3.03052 b |
| CENDL-3.2 | 2.40879 b | 2.40879 b | 2.7163 b | 1.12767 | 486.092 b | 3.86932 b | 2.70652 b |
| TENDL-2019 | 6.56655 b | 6.56655 b | 7.4065 b | 1.12792 | 471.739 b | 3.79574 b | 2.62031 b |

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|--------------------|--|----------------|
| << 73-Ta-181 | 74-W-183 | 76-Os-187 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (W183 production) | MT16 (n,2n) >> |



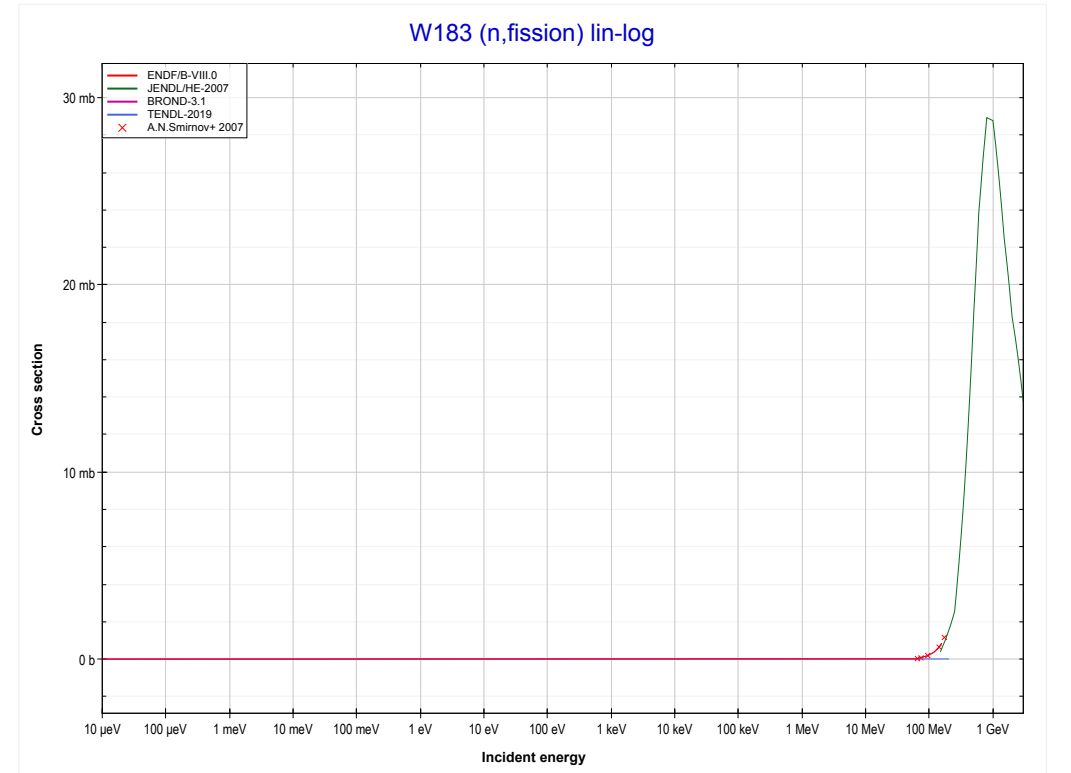
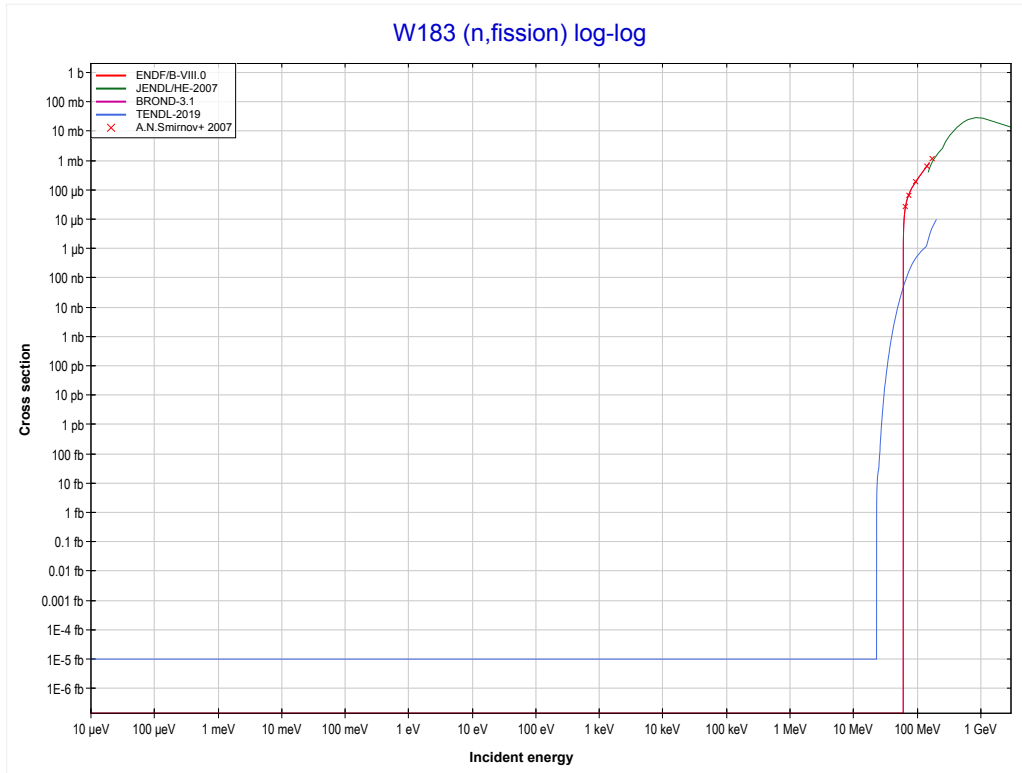
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.210249 b | 2.68823 b | 0.437466 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.209653 b | 2.54019 b | 0.404782 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.457155 b | 2.70044 b | 0.457653 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.408625 b | 2.81945 b | 0.484702 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.210249 b | 2.68823 b | 0.437466 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.255061 b | 2.73727 b | 0.72235 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.411768 b | 2.64741 b | 0.457088 b |

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|---------------|---|---------------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (W182 production) | MT18 (n,fission) >> |



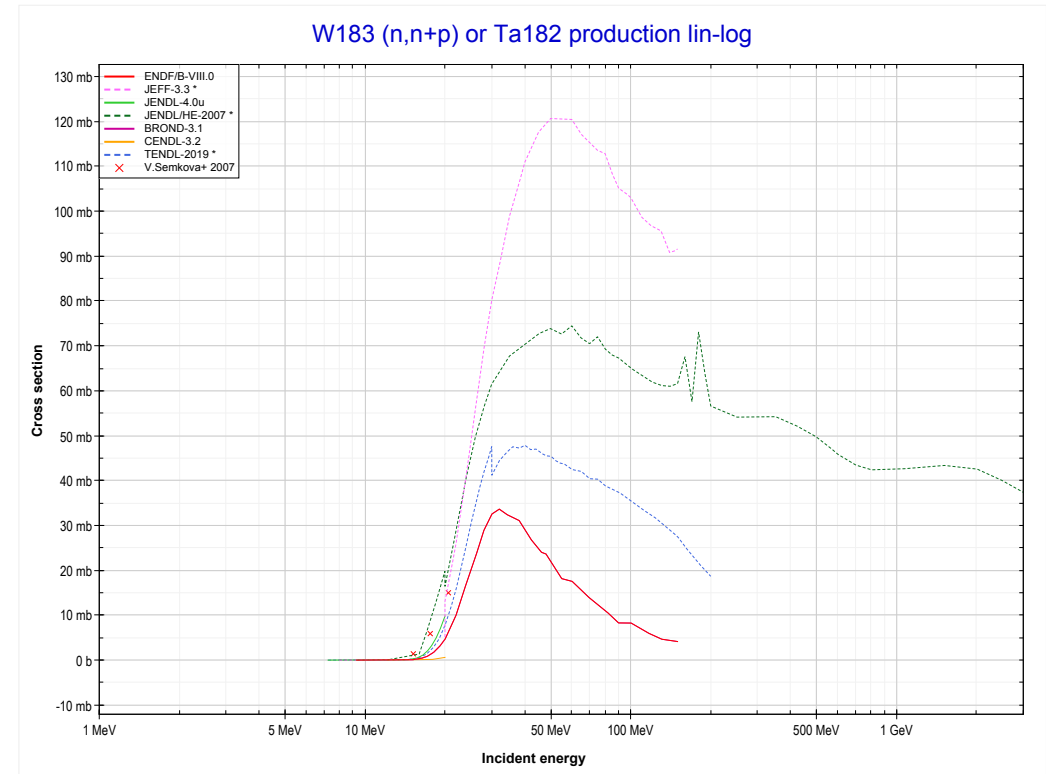
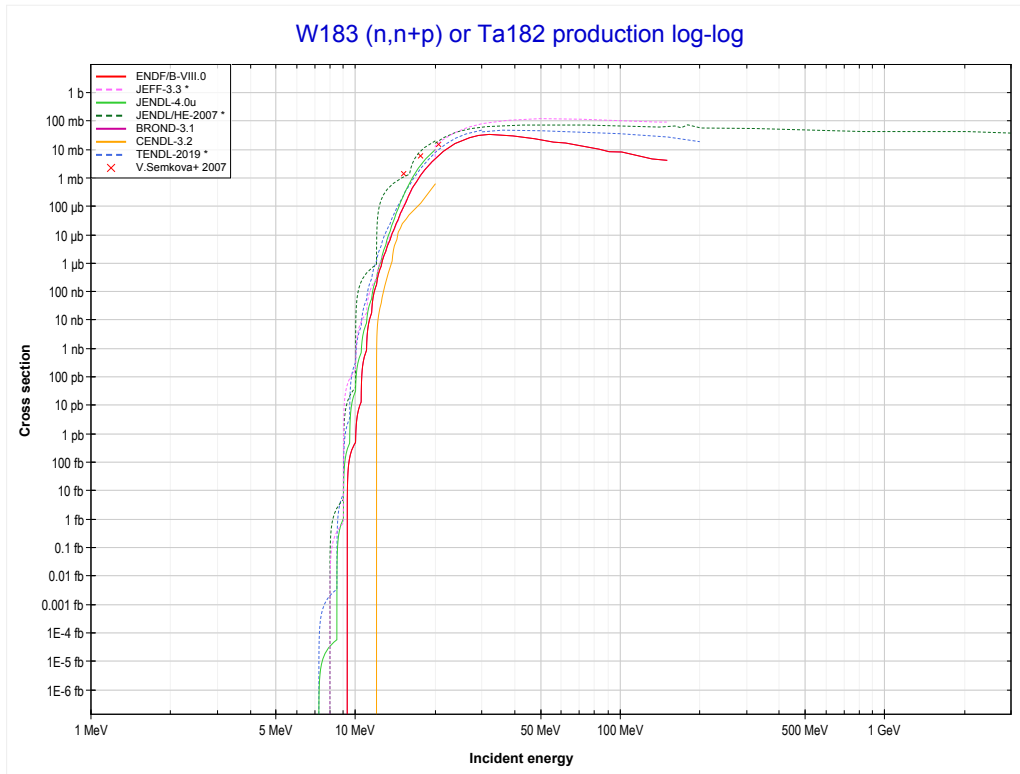
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0205311 b | 1.97597 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0193871 b | 2.00953 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0192582 b | 2.00344 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0217109 b | 2.00922 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0175464 b | 1.87112 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0193871 b | 2.00953 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.017344 b | 1.9749 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0252929 b | 2.13332 b |

| | | |
|----------------|-------------------------|-----------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT28 (n,n+p) >> |



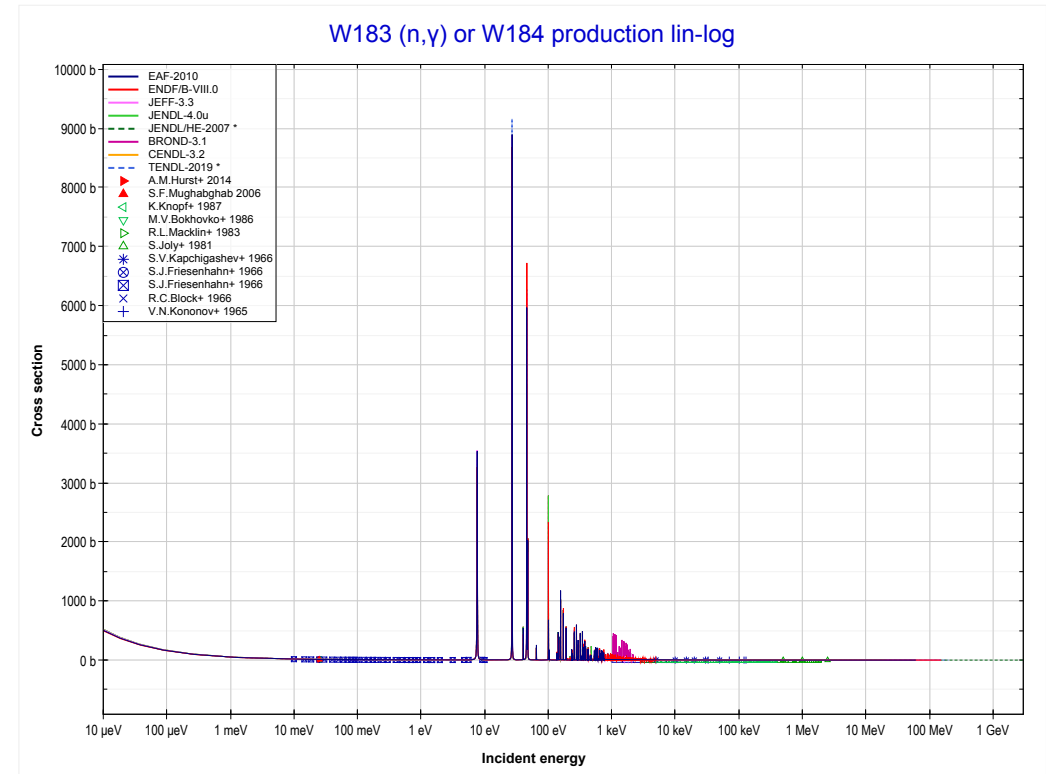
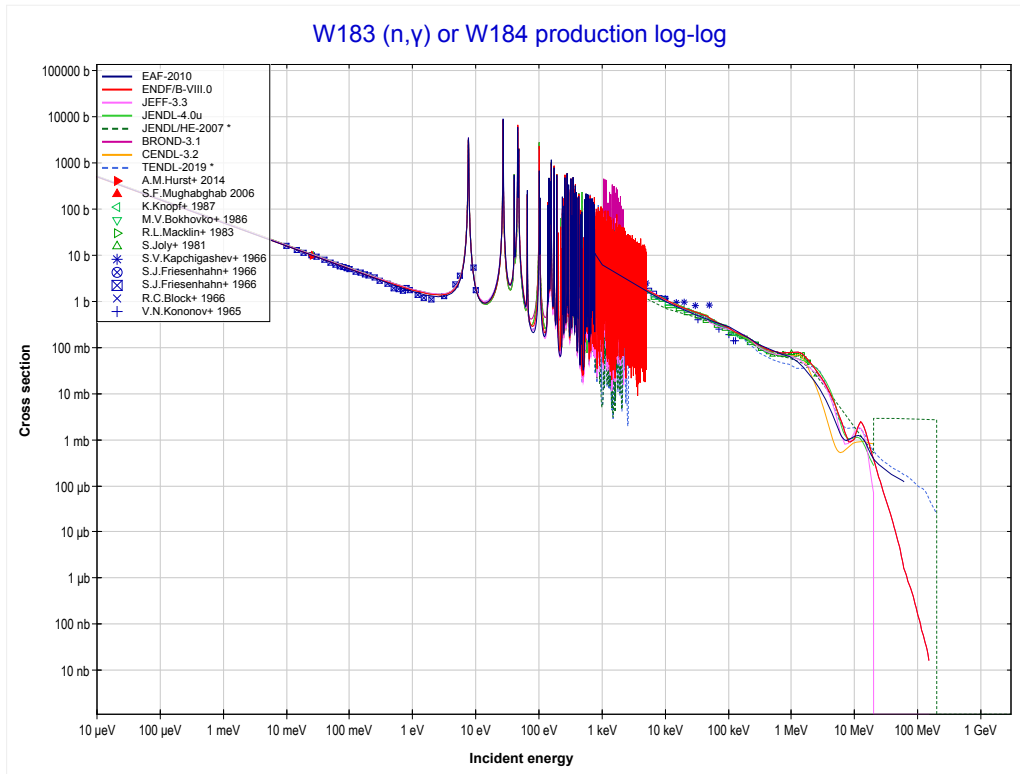
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|---|-------------------------|
| << 73-Ta-181 | 74-W-183 | 74-W-184 >> |
| << MT18 (n,fission) | MT28 (n,n+p) or MT5 (Ta182 production) | MT102 (n, γ) >> |



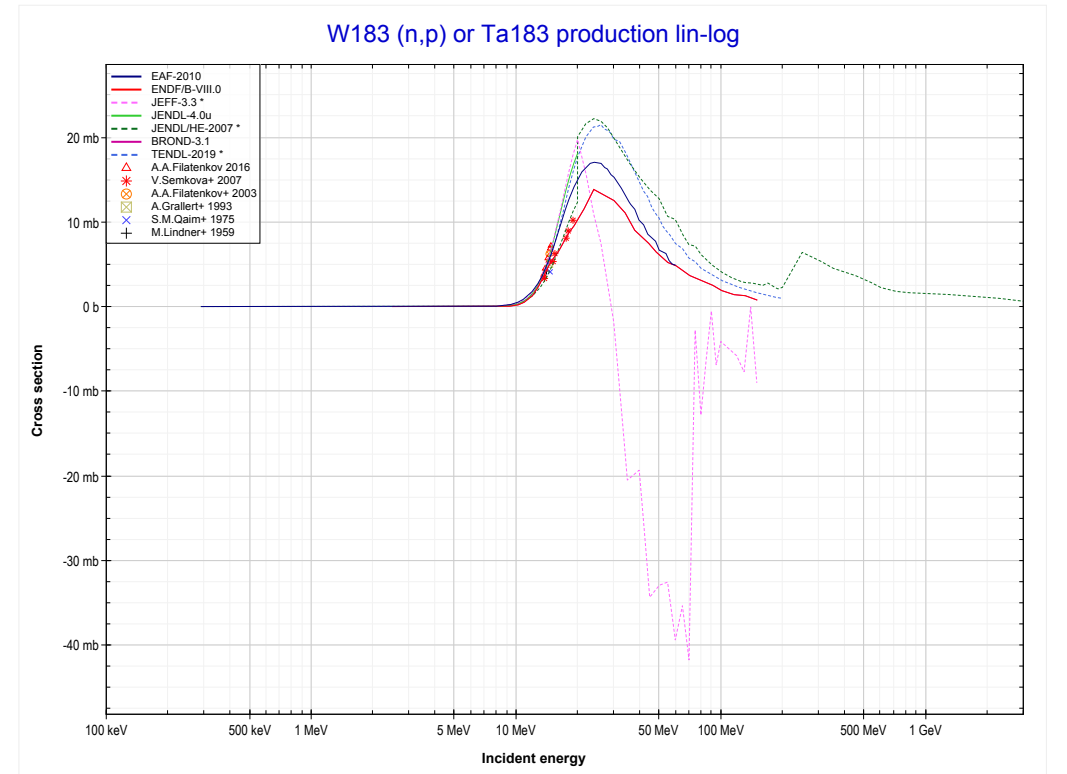
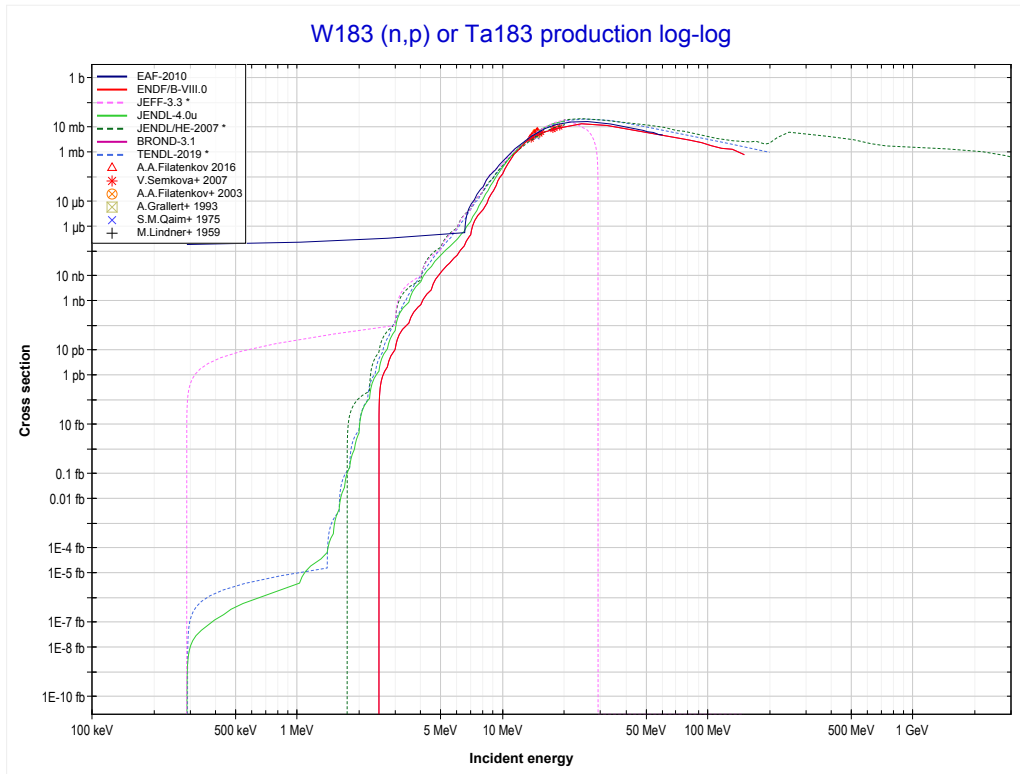
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6148E-8 b | 1.58457E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.60818E-8 b | 1.47851E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.25648E-8 b | 3.41279E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.64088E-7 b | 6.7581E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6148E-8 b | 1.58457E-5 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 5.21837E-9 b | 3.929E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.06711E-8 b | 5.42221E-5 b |

| | | |
|-----------------|---|----------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (W184 production) | MT103 (n,p) >> |



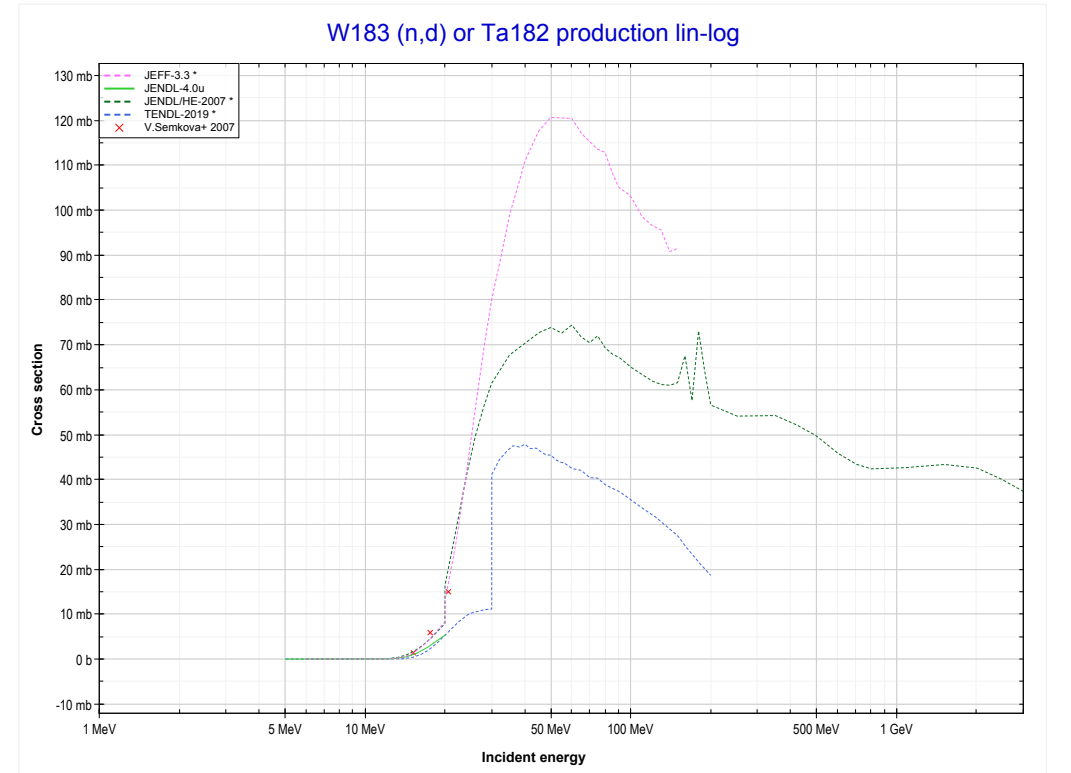
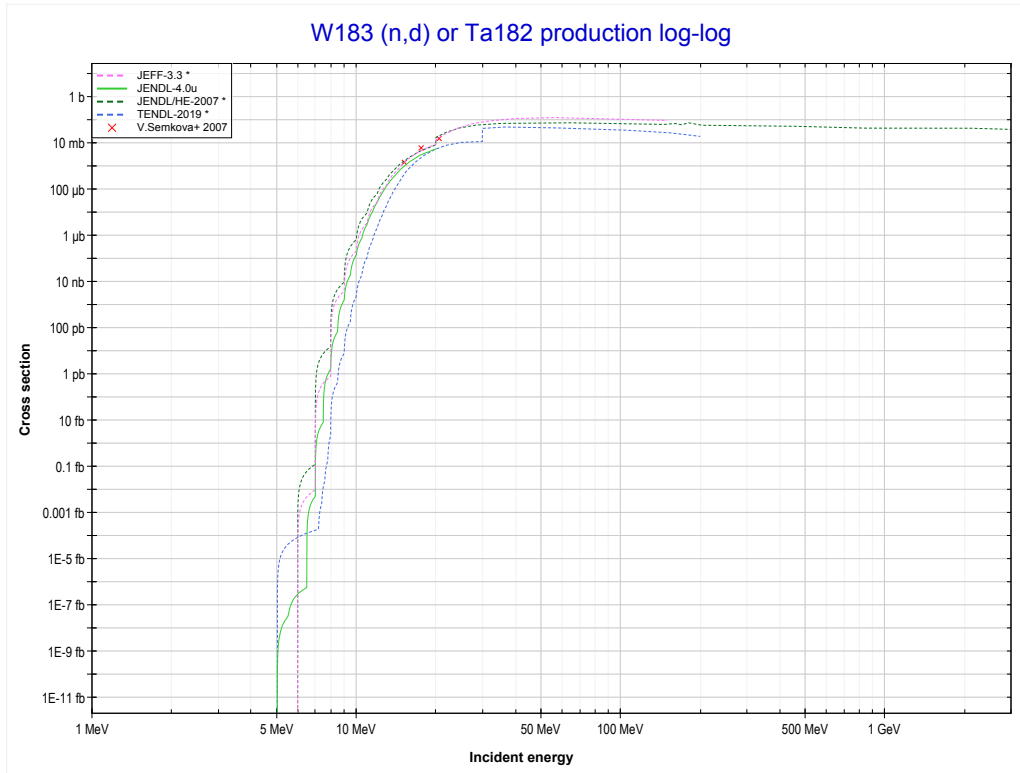
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10.016 b | 10.0085 b | 9.9965 b | 0.9988 | 354.905 b | 0.0513064 b | 9.98865E-4 b |
| ENDF/B-VIII.0 | 9.87102 b | 9.87102 b | 9.8873 b | 1.00164 | 360.54 b | 0.0642053 b | 0.00192736 b |
| JEFF-3.3 | 10.3029 b | 10.3029 b | 10.32 b | 1.00165 | 359.167 b | 0.0541763 b | 0.00128 b |
| JENDL-4.0u | 10.4043 b | 10.4043 b | 10.419 b | 1.00143 | 338.723 b | 0.0573921 b | 8.10156E-4 b |
| JENDL/HE-2007 | 10.1128 b | 10.1128 b | 10.124 b | 1.00112 | 334.432 b | 0.0501926 b | 0.001 b |
| BROND-3.1 | 10.1151 b | 10.1151 b | 10.13 b | 1.00149 | 338.871 b | 0.0641781 b | 0.00192736 b |
| CENDL-3.2 | 10.4019 b | 10.4019 b | 10.413 b | 1.00107 | 339.807 b | 0.0524777 b | 9.264E-4 b |
| TENDL-2019 | 10.4115 b | 10.4115 b | 10.424 b | 1.00124 | 361.466 b | 0.0458475 b | 0.00139735 b |

| | | |
|-------------------------|--|----------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ta183 production) | MT104 (n,d) >> |



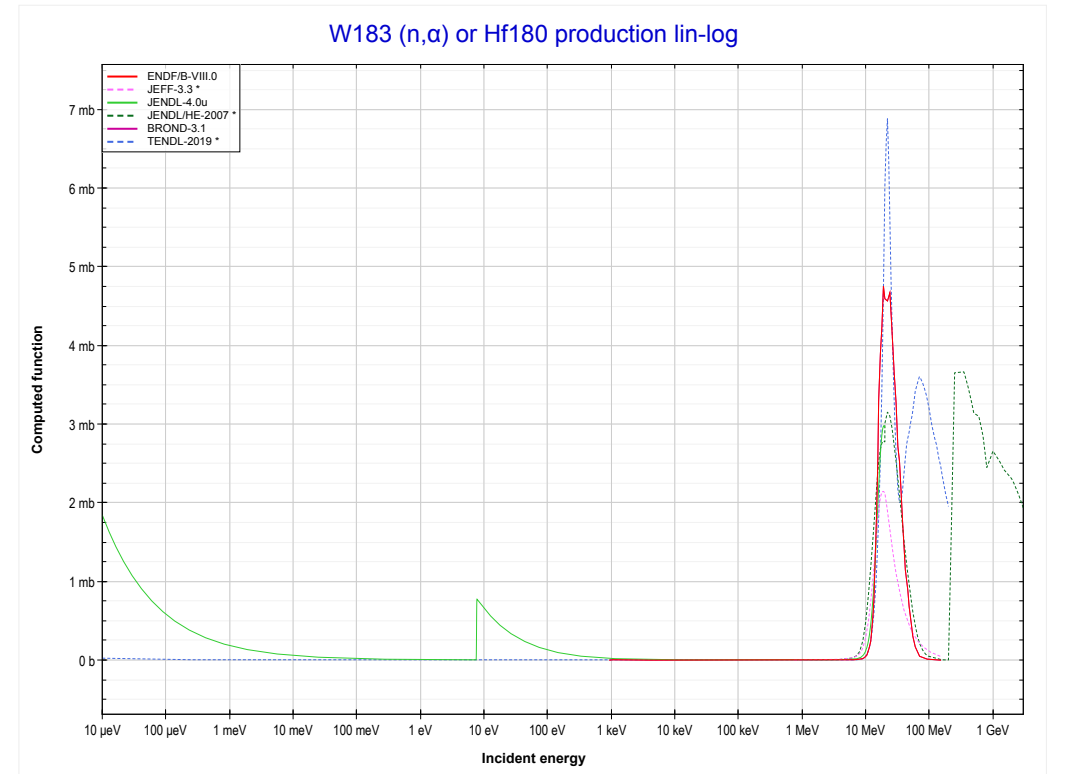
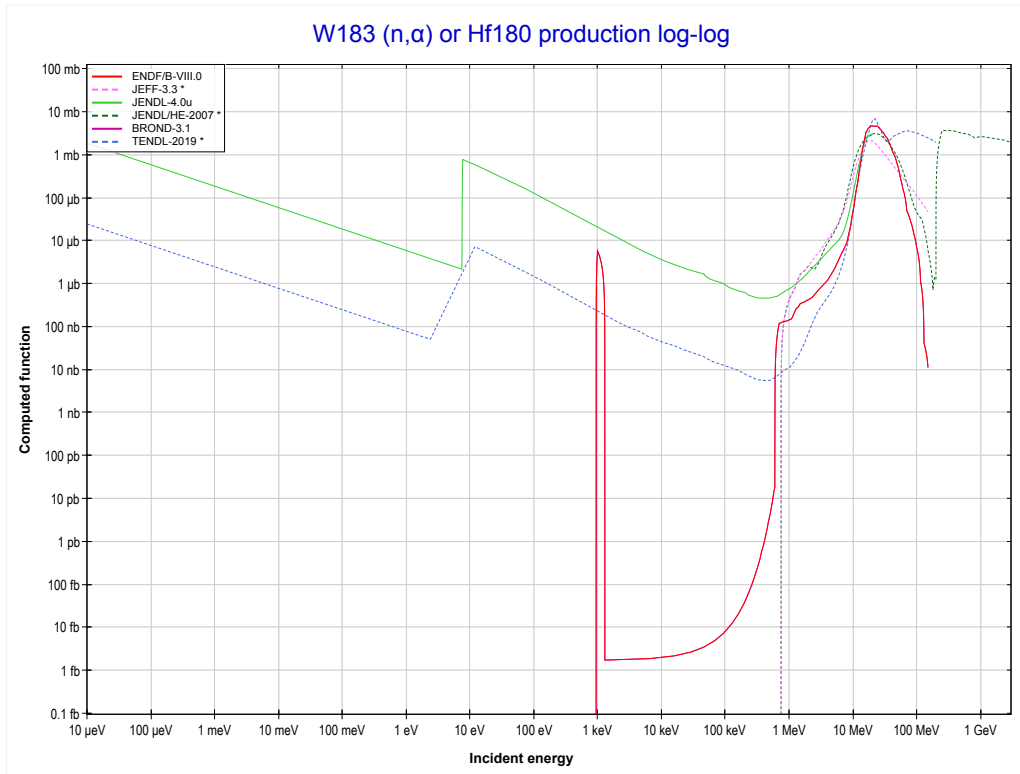
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.26383E-6 b | 0.00461093 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.39365E-6 b | 0.00410465 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.02544E-6 b | 0.00485363 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.22586E-6 b | 0.00474367 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.90149E-6 b | 0.00326611 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.39365E-6 b | 0.00410465 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.2889E-6 b | 0.00425154 b |

| | | |
|----------------|--|-------------------------|
| << 70-Yb-176 | 74-W-183 | 74-W-184 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ta182 production) | MT107 (n, α) >> |



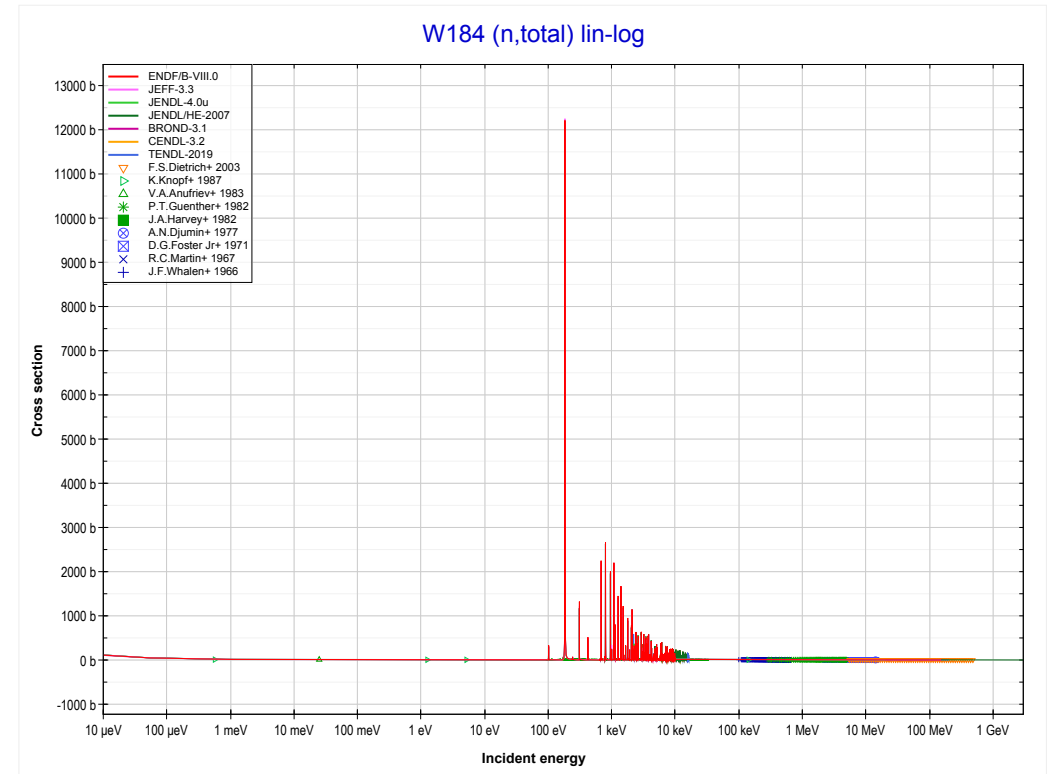
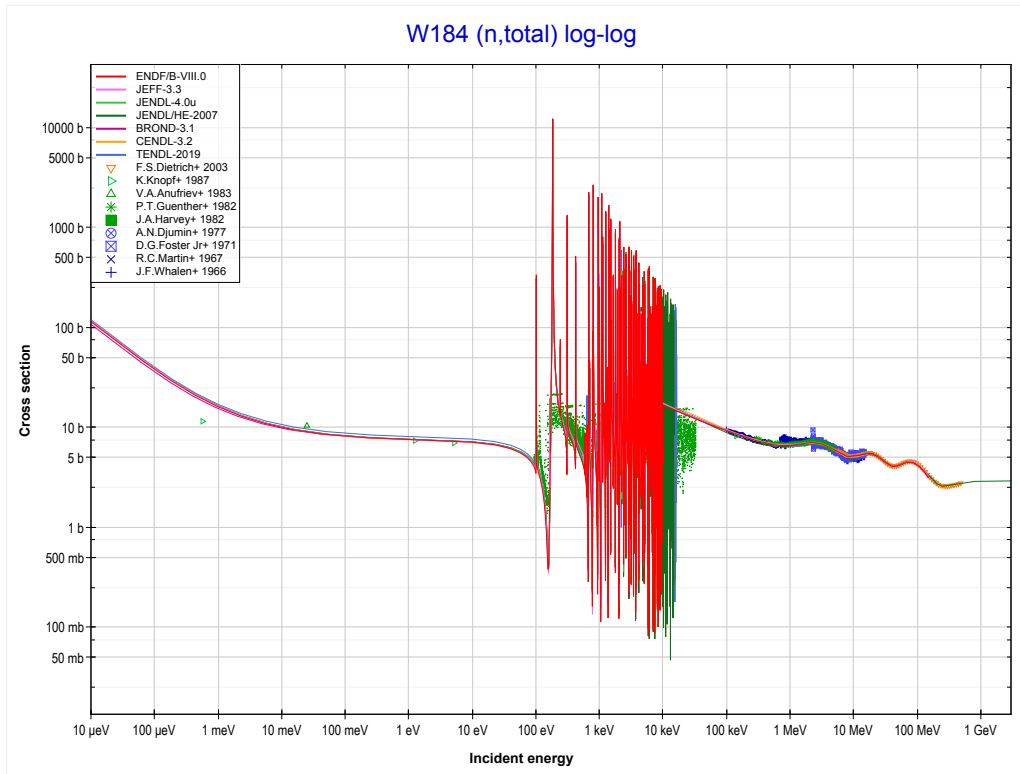
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.68638E-7 b | 4.8949E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.90058E-7 b | 3.74837E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.40837E-7 b | 7.09074E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.88147E-8 b | 9.68369E-5 b |

| | | |
|----------------|--|---------------------------|
| << 74-W-182 | 74-W-183 | 74-W-184 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Hf180 production) | 74-W-184 MT1 (n,total) >> |



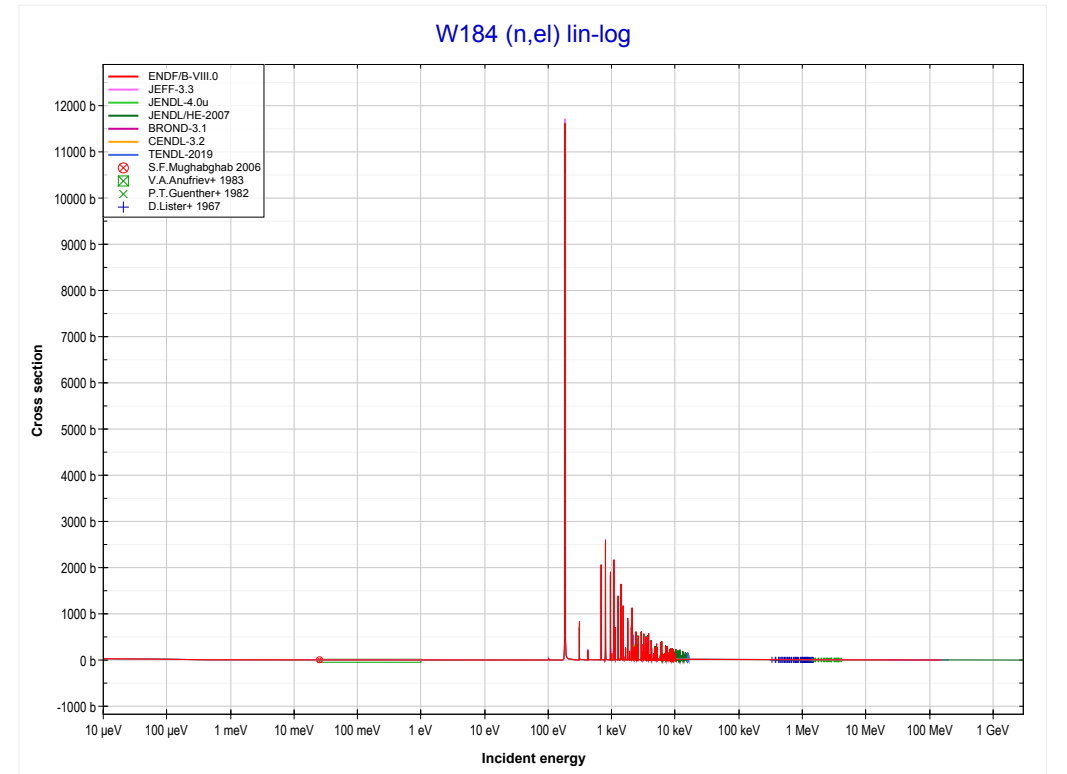
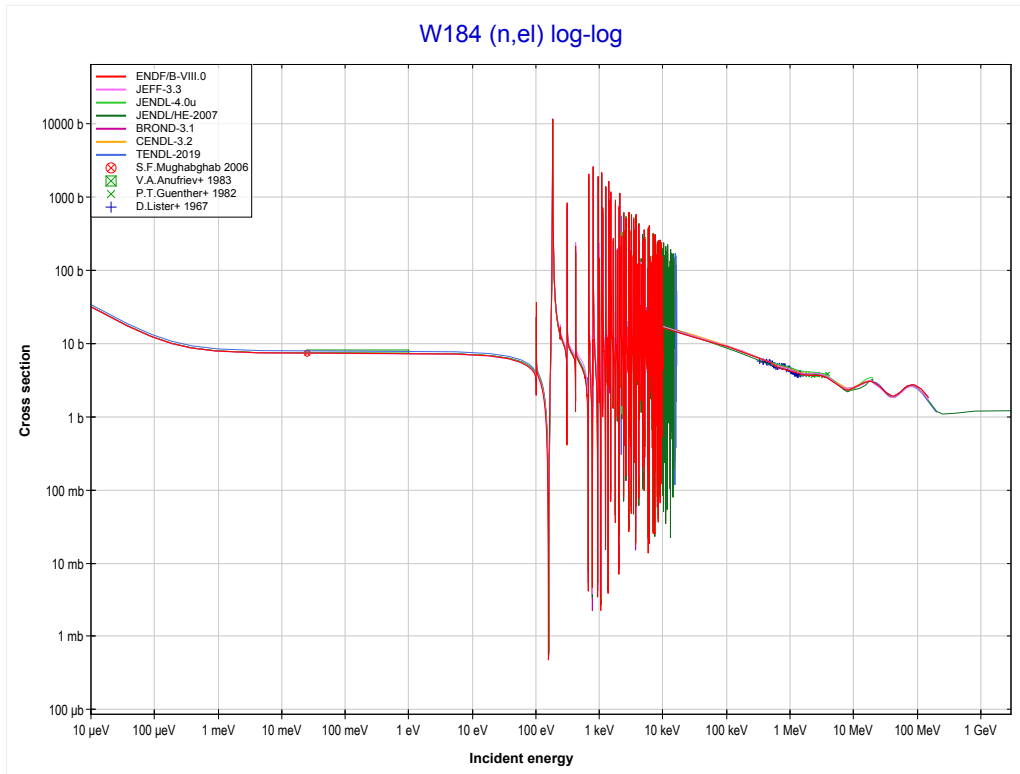
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 9.35494E-7 b | 1.30697E-6 b | 0.00122725 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.3128E-6 b | 0.00133987 b |
| JENDL-4.0u | 3.66484E-5 b | 3.66484E-5 b | 3.6664E-5 b | 1.00042 | 0.00112812 b | 3.50565E-6 b | 0.00121189 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.01845E-6 b | 0.00190619 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 9.35491E-7 b | 1.30697E-6 b | 0.00122725 b |
| TENDL-2019 | 4.86163E-7 b | 4.86163E-7 b | 4.861E-7 b | 0.99987 | 1.20823E-5 b | 7.94653E-7 b | 7.90799E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << 74-W-183 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



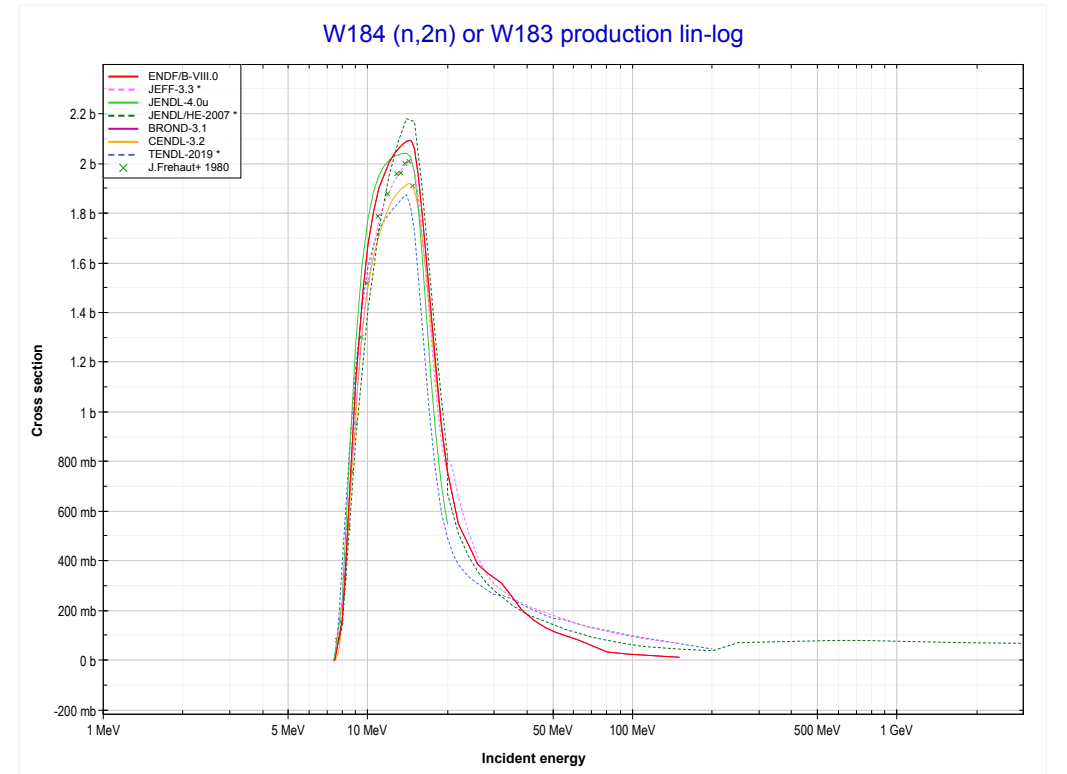
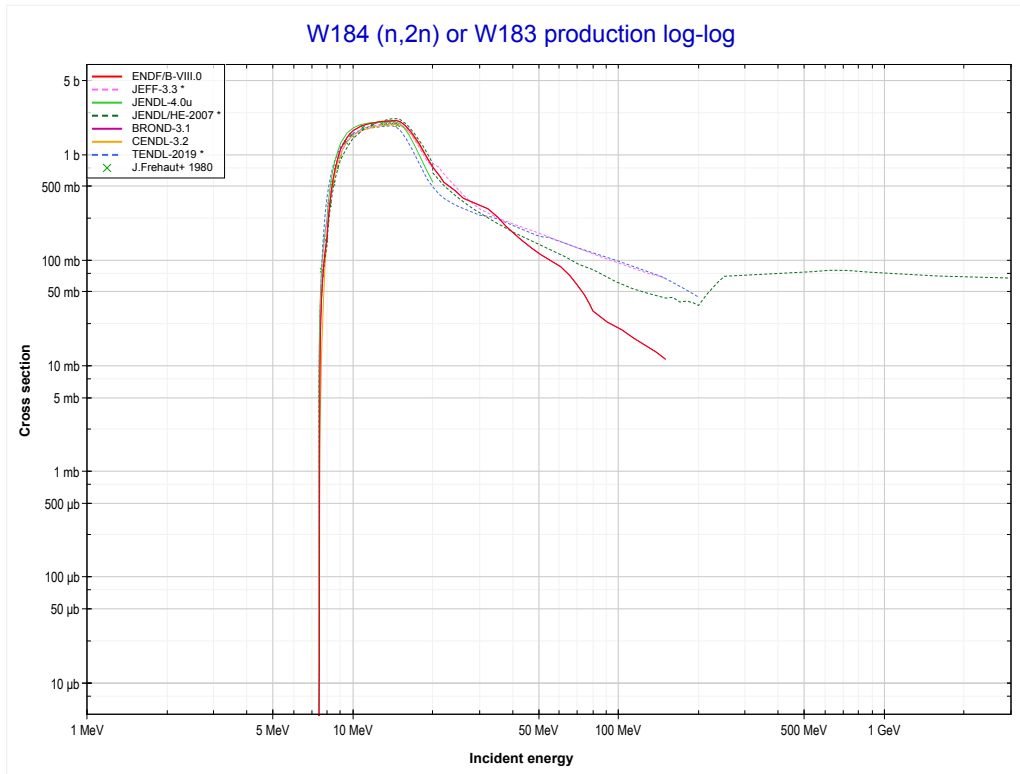
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.98613 b | 8.98613 b | 9.9297 b | 1.105 | 323.162 b | 6.82882 b | 5.38053 b |
| JEFF-3.3 | 8.99859 b | 8.99859 b | 9.9352 b | 1.10409 | 325.501 b | 6.81457 b | 5.22727 b |
| JENDL-4.0u | 9.06924 b | 9.06924 b | 10.016 b | 1.10434 | 312.537 b | 6.94314 b | 5.54337 b |
| JENDL/HE-2007 | 9.07049 b | 9.07049 b | 10.017 b | 1.10434 | 307.615 b | 6.72798 b | 5.21497 b |
| BROND-3.1 | 8.87475 b | 8.87475 b | 9.8211 b | 1.10664 | 309.986 b | 6.82897 b | 5.38053 b |
| CENDL-3.2 | 9.07049 b | 9.07049 b | 10.017 b | 1.10434 | 308.868 b | 6.90381 b | 5.3797 b |
| TENDL-2019 | 9.58047 b | 9.58047 b | 10.591 b | 1.10552 | 316.524 b | 6.75196 b | 5.1364 b |

| | | |
|------------------|------------------------|----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



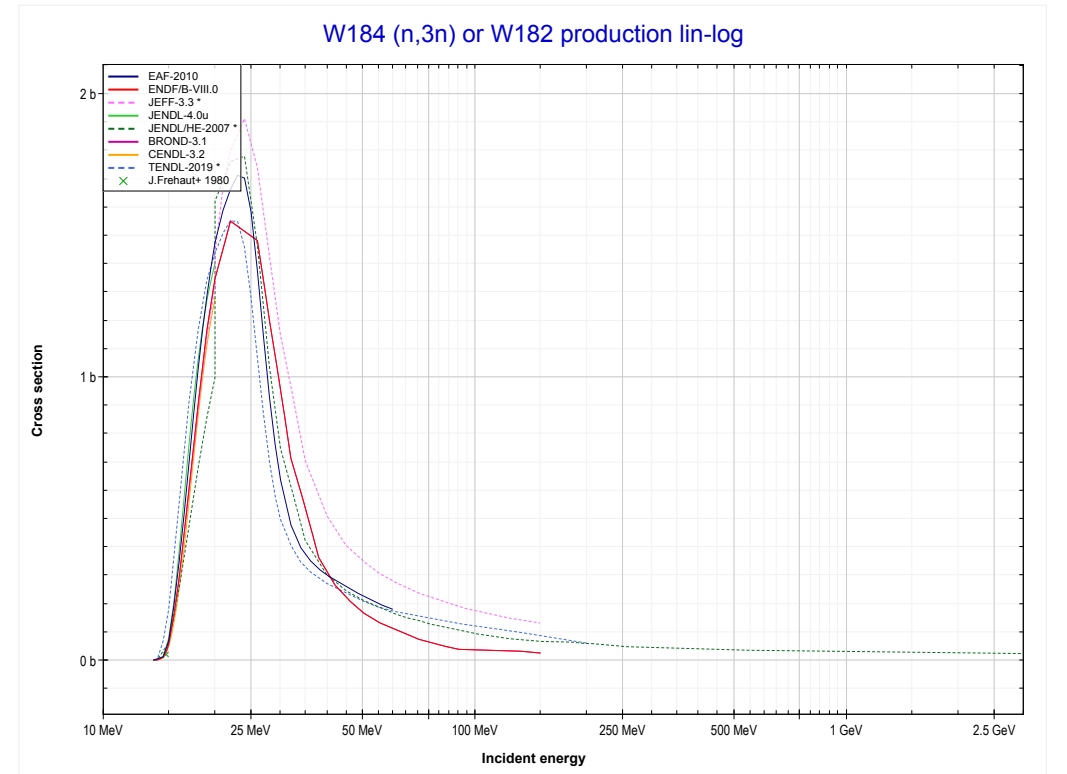
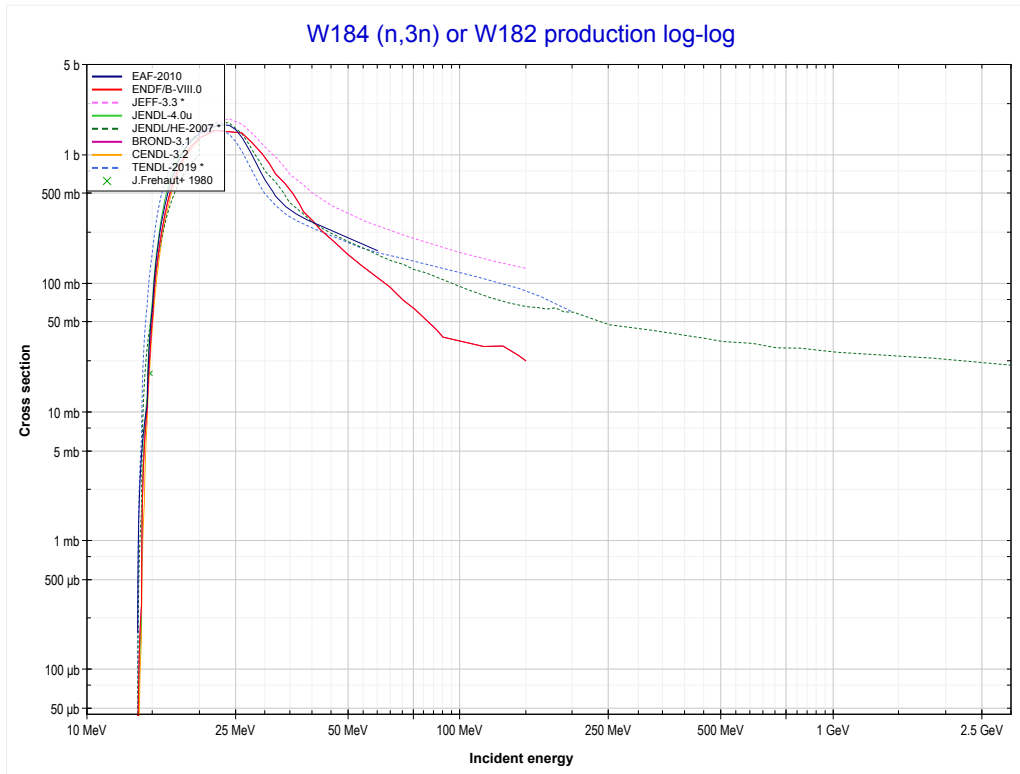
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.35115 b | 7.35115 b | 8.294 b | 1.12826 | 307.393 b | 4.24462 b | 2.86045 b |
| JEFF-3.3 | 7.29814 b | 7.29814 b | 8.2341 b | 1.12825 | 310.941 b | 4.37854 b | 2.79102 b |
| JENDL-4.0u | 7.37151 b | 7.37151 b | 8.317 b | 1.12827 | 296.159 b | 4.53936 b | 3.03425 b |
| JENDL/HE-2007 | 7.37292 b | 7.37292 b | 8.3192 b | 1.12834 | 291.574 b | 4.27667 b | 2.53799 b |
| BROND-3.1 | 7.37292 b | 7.37292 b | 8.3186 b | 1.12827 | 294.539 b | 4.24477 b | 2.86045 b |
| CENDL-3.2 | 7.37292 b | 7.37292 b | 8.3192 b | 1.12834 | 292.729 b | 4.40261 b | 2.94059 b |
| TENDL-2019 | 7.87671 b | 7.87671 b | 8.8875 b | 1.12833 | 300.787 b | 4.37752 b | 2.79102 b |

| | | |
|--------------------|---|----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (W183 production) | MT17 (n,3n) >> |



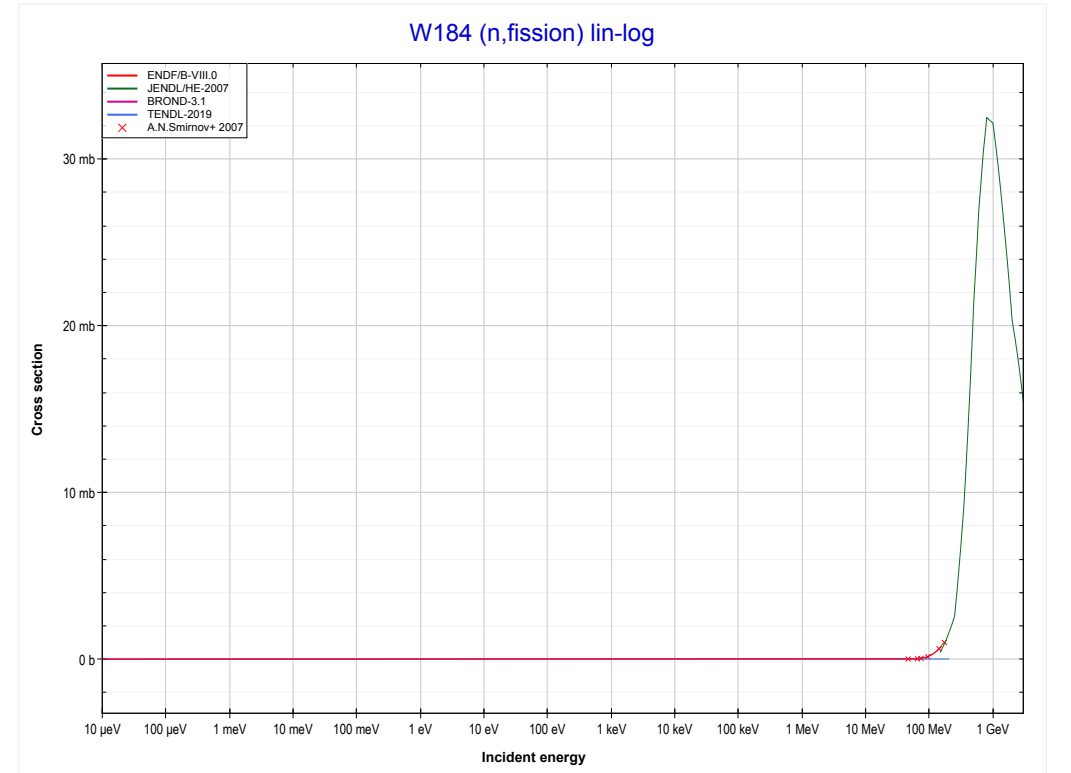
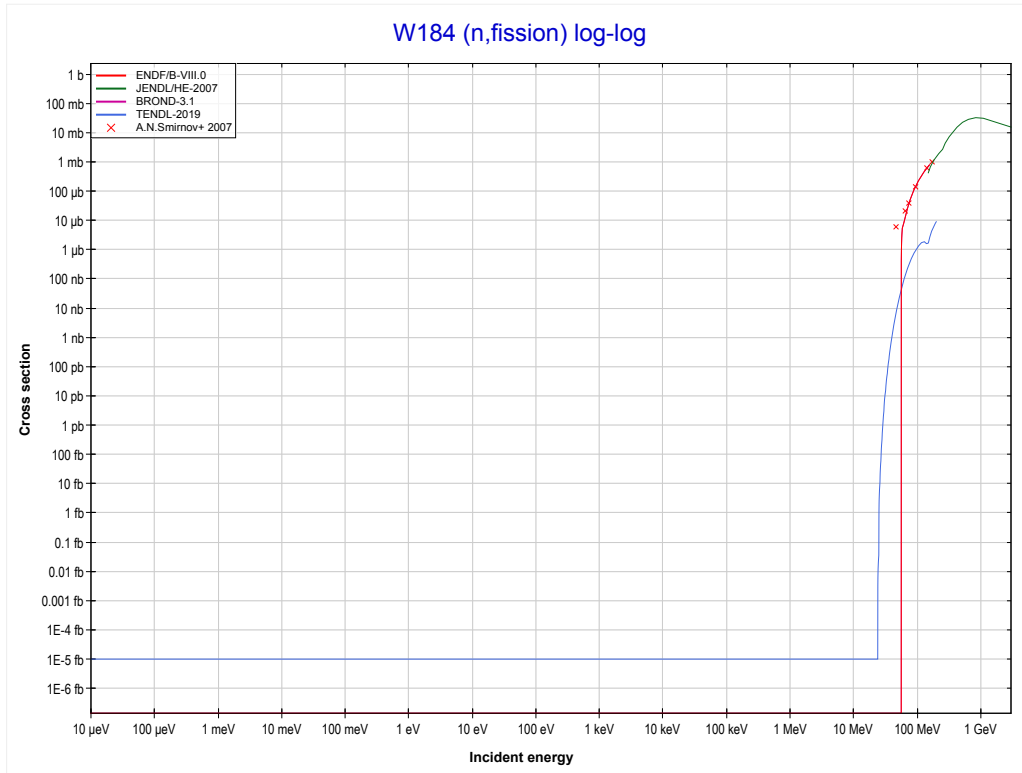
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.009029 b | 2.09015 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00864391 b | 2.007 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0100888 b | 2.04224 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00776624 b | 2.18097 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.009029 b | 2.09015 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00813978 b | 1.9157 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00966341 b | 1.87422 b |

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|----------------|---|---------------------|
| << 73-Ta-181 | 74-W-184 | 74-W-186 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (W182 production) | MT18 (n,fission) >> |



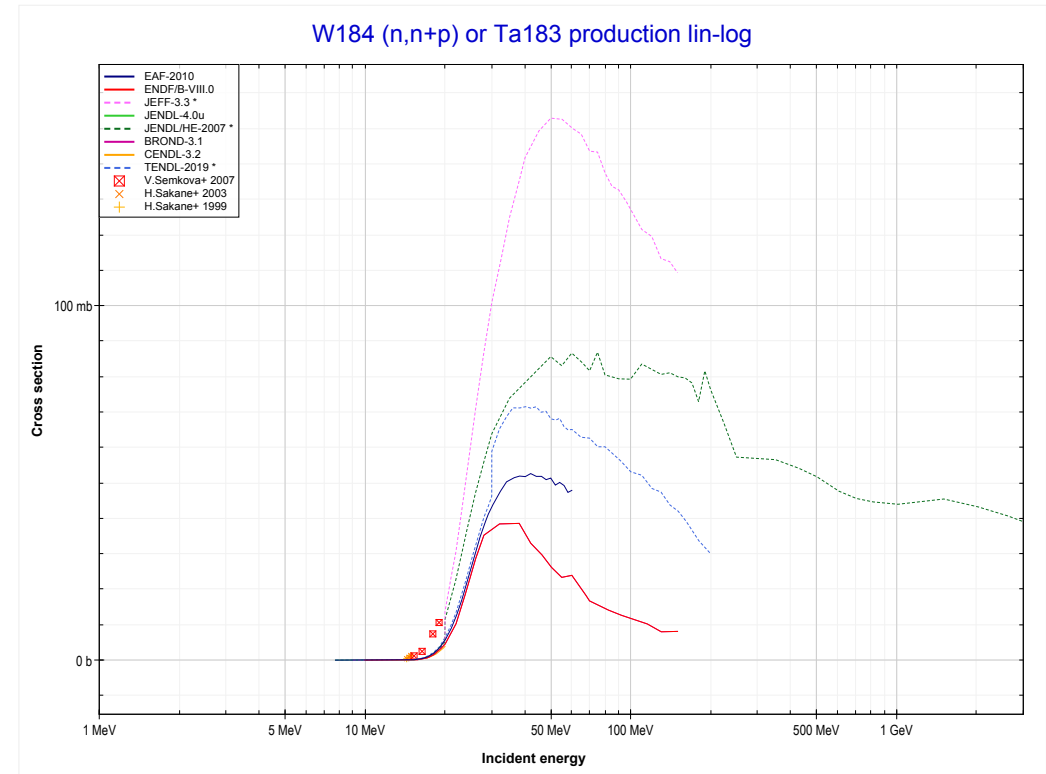
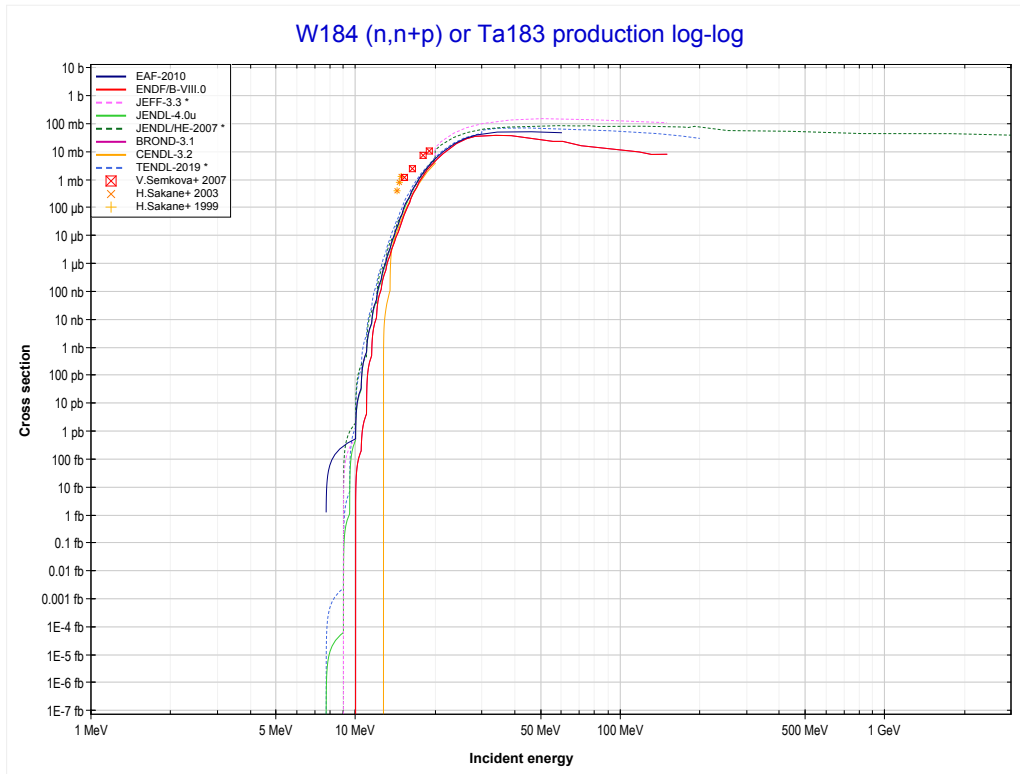
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.64981E-5 b | 0.00458023 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.26979E-5 b | 3.10454E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.22439E-5 b | 3.04245E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.81409E-5 b | 2.34916E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.9481E-5 b | 0.00168819 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.26979E-5 b | 3.10454E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.05063E-5 b | 1.7577E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91712E-5 b | 0.00613584 b |

| | | |
|----------------|-------------------------|-----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT28 (n,n+p) >> |



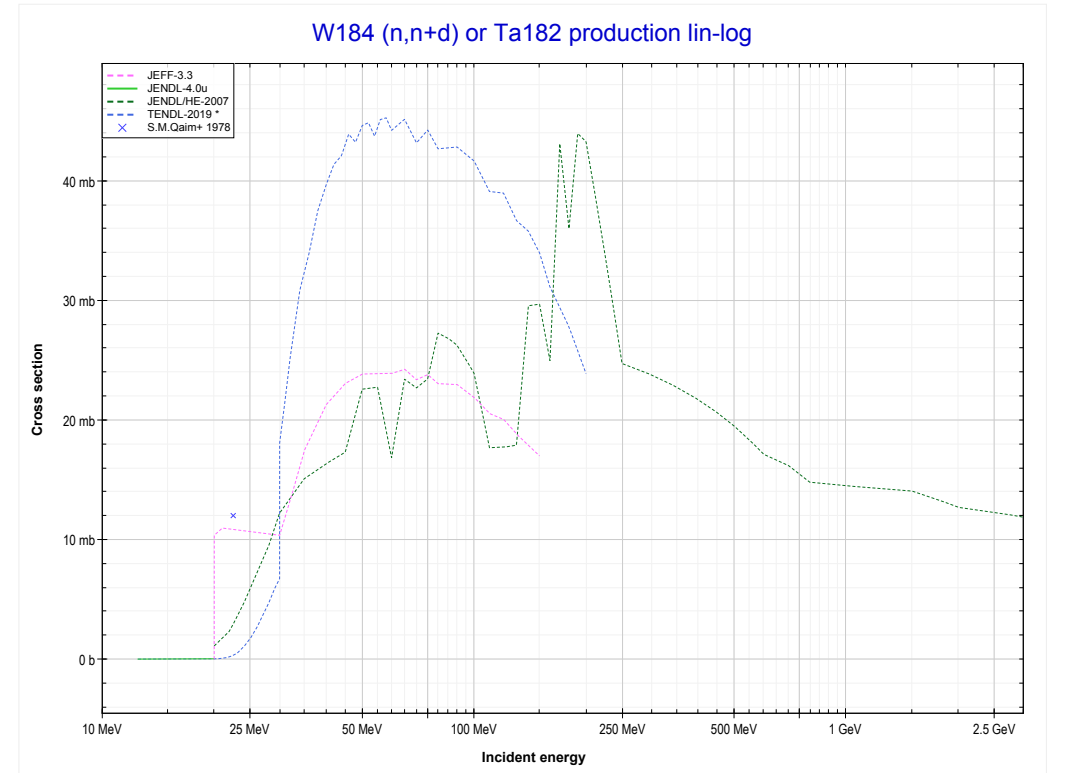
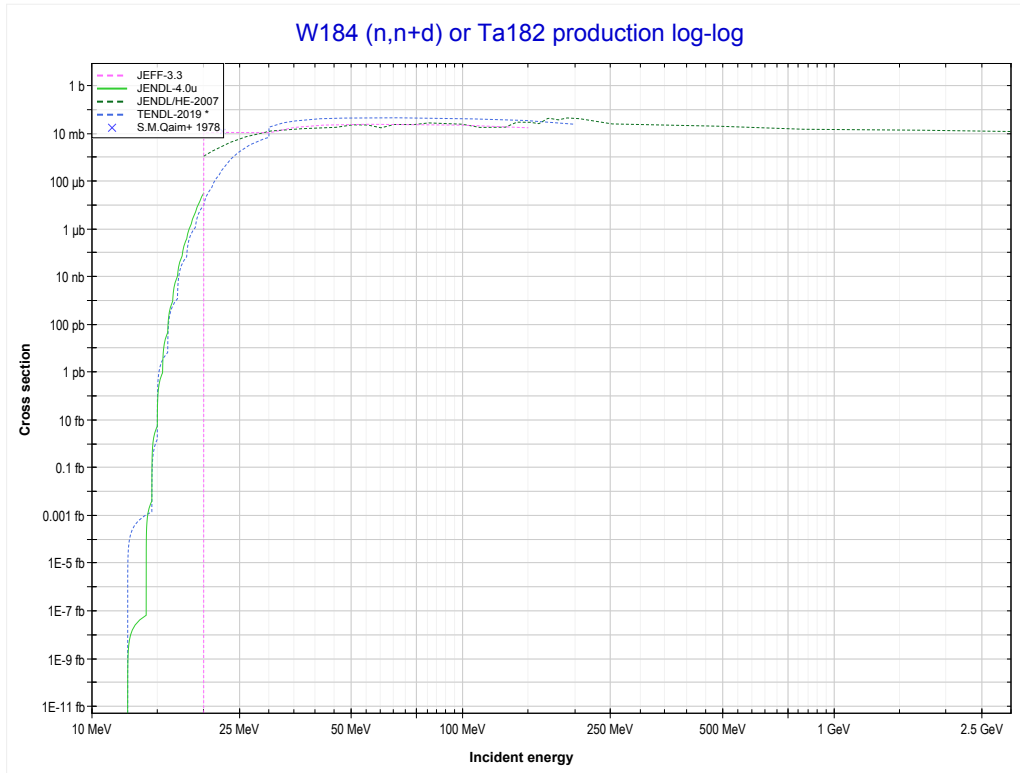
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

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|---------------------|---|-----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT18 (n,fission) | MT28 (n,n+p) or MT5 (Ta183 production) | MT32 (n,n+d) >> |



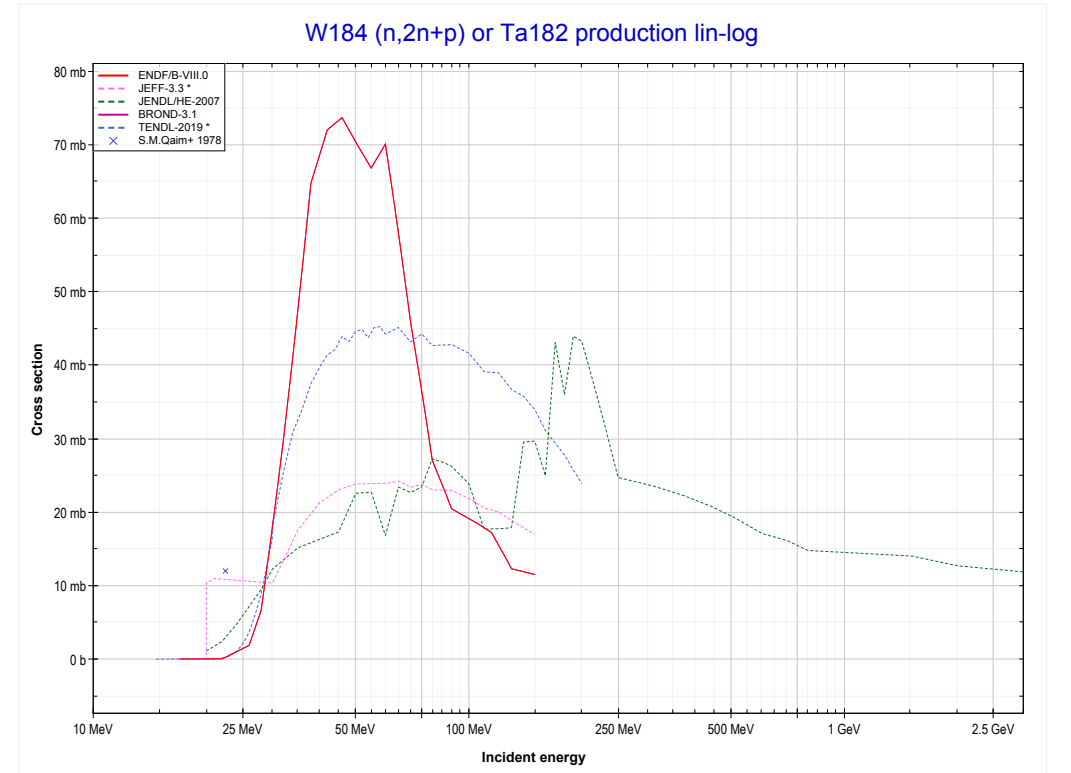
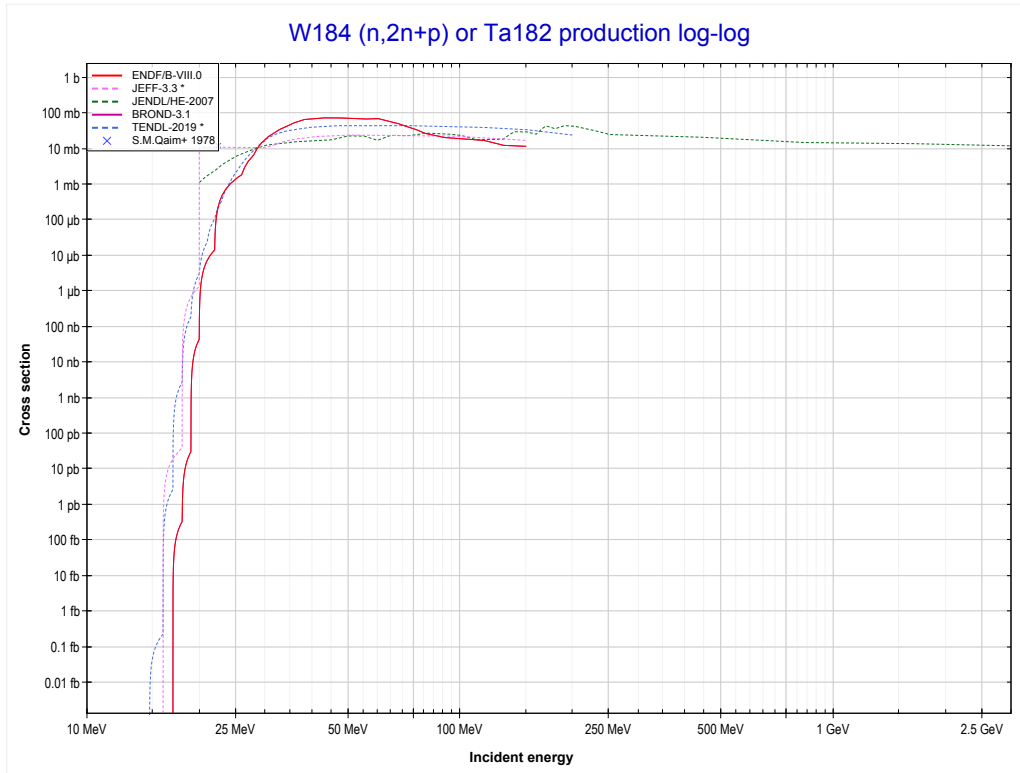
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72695E-8 b | 5.49345E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.73284E-8 b | 9.9682E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.65254E-8 b | 9.02342E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.57567E-8 b | 1.01571E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.72695E-8 b | 5.49345E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49699E-8 b | 7.2074E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.69301E-8 b | 1.98596E-5 b |

| | | |
|-----------------|---|------------------|
| << 66-Dy-162 | 74-W-184 | 81-Tl-205 >> |
| << MT28 (n,n+p) | MT32 (n,n+d) or MT5 (Ta182 production) | MT41 (n,2n+p) >> |



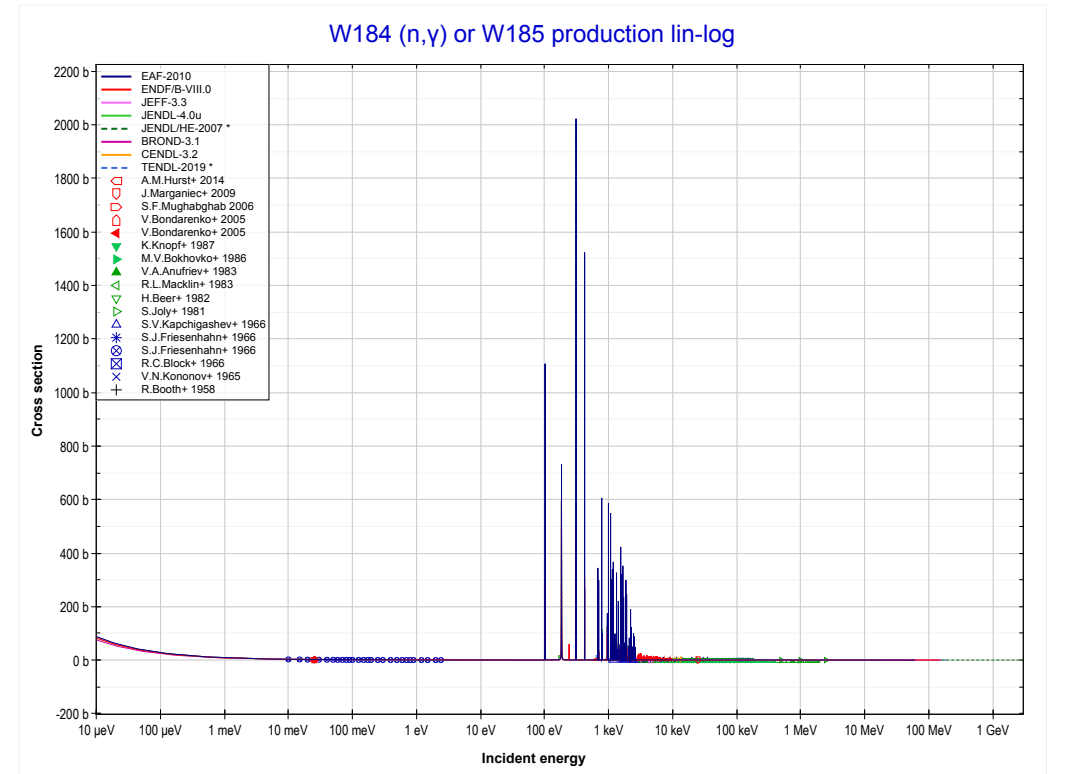
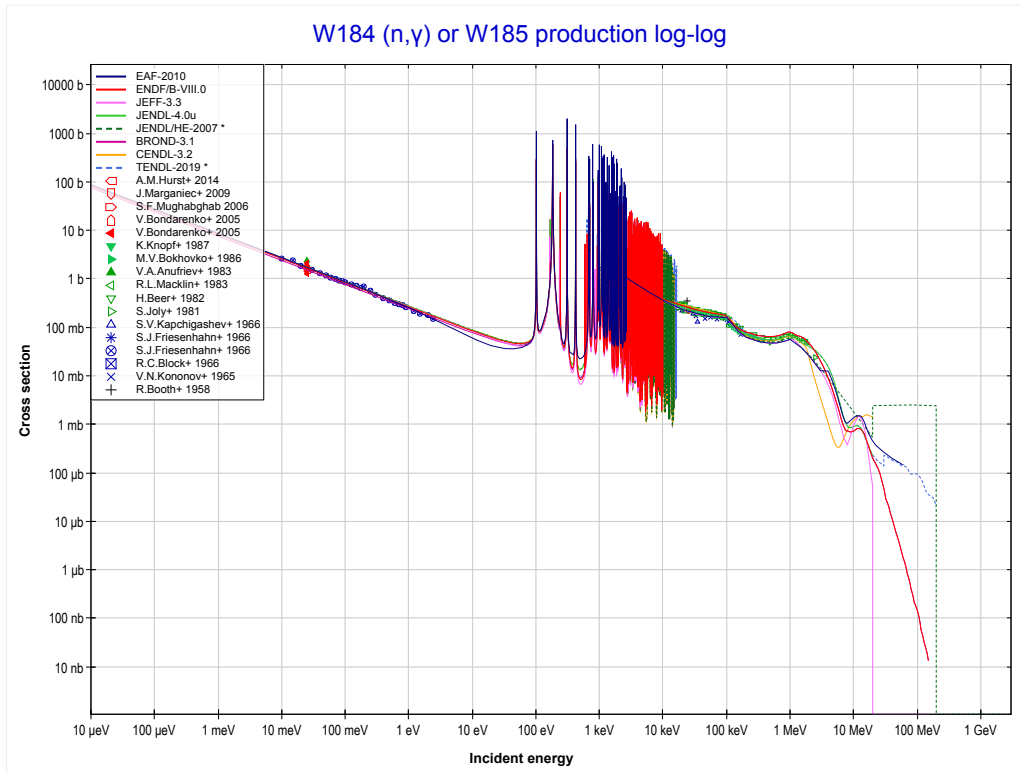
| Reaction | Q-Value |
|-------------------|---------------|
| W184(n,t)Ta182 | -6153.99 keV |
| W184(n,n+d)Ta182 | -12411.22 keV |
| W184(n,2n+p)Ta182 | -14635.79 keV |

| | | |
|-----------------|--|-------------------------|
| << 66-Dy-162 | 74-W-184 | 81-Tl-205 >> |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Ta182 production) | MT102 (n, γ) >> |



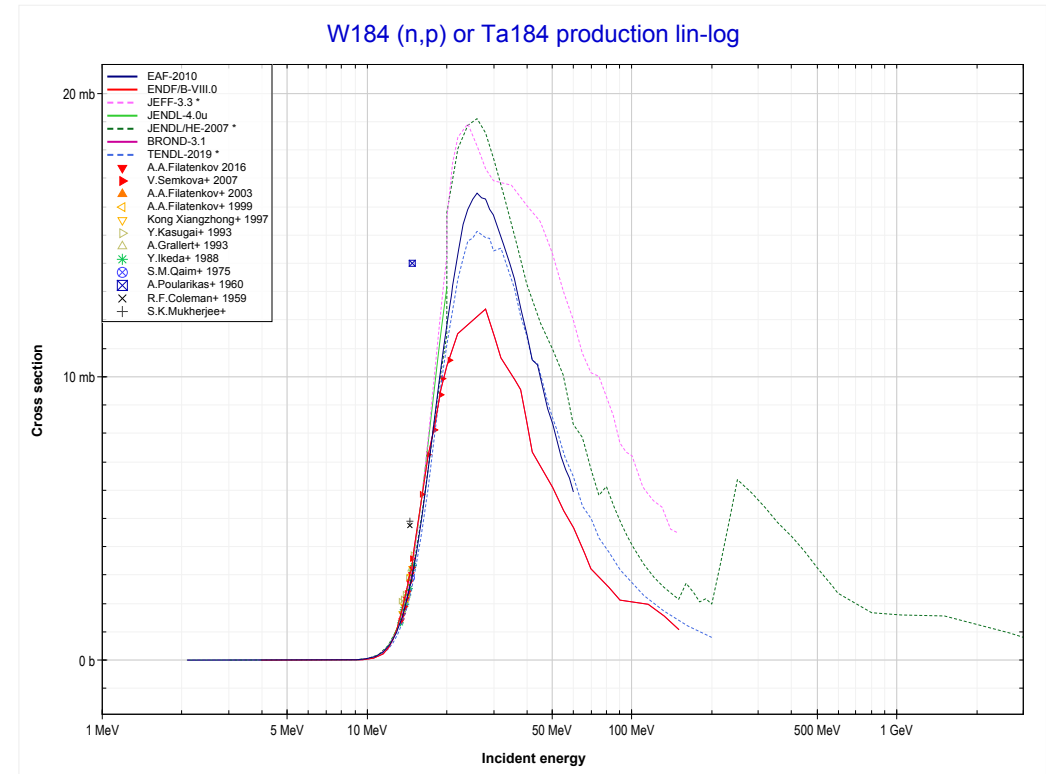
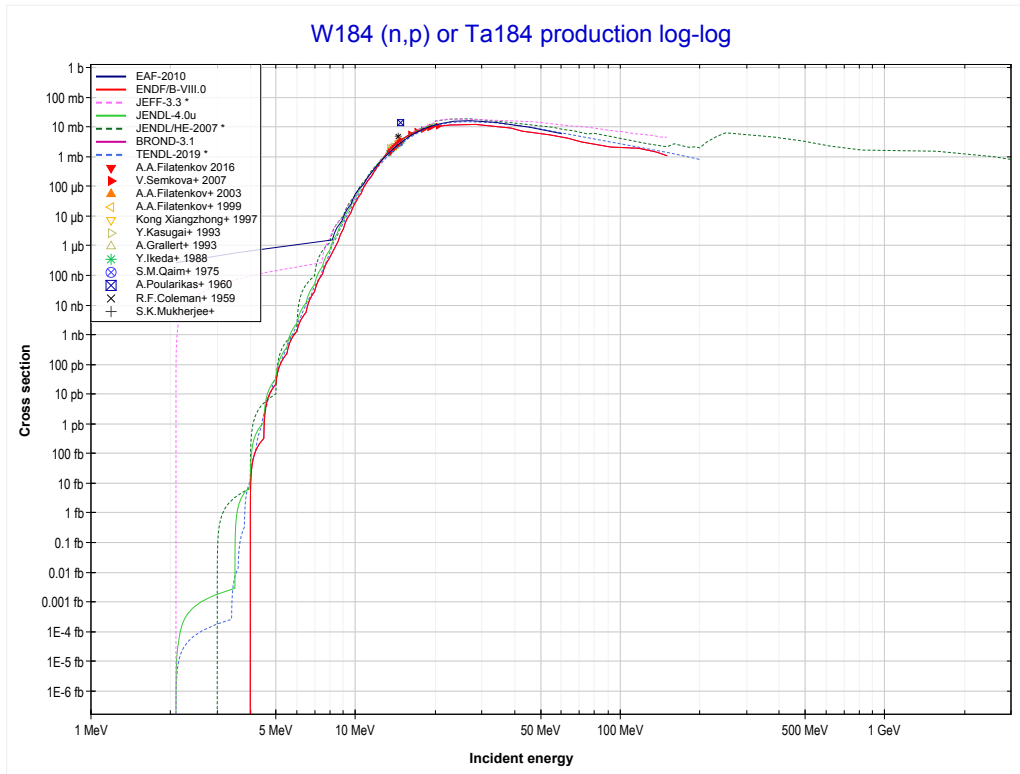
| Reaction | Q-Value |
|-------------------|---------------|
| W184(n,t)Ta182 | -6153.99 keV |
| W184(n,n+d)Ta182 | -12411.22 keV |
| W184(n,2n+p)Ta182 | -14635.79 keV |

| | | |
|------------------|---|----------------|
| << 74-W-183 | 74-W-184 | 74-W-185 >> |
| << MT41 (n,2n+p) | MT102 (n,y) or MT5 (W185 production) | MT103 (n,p) >> |



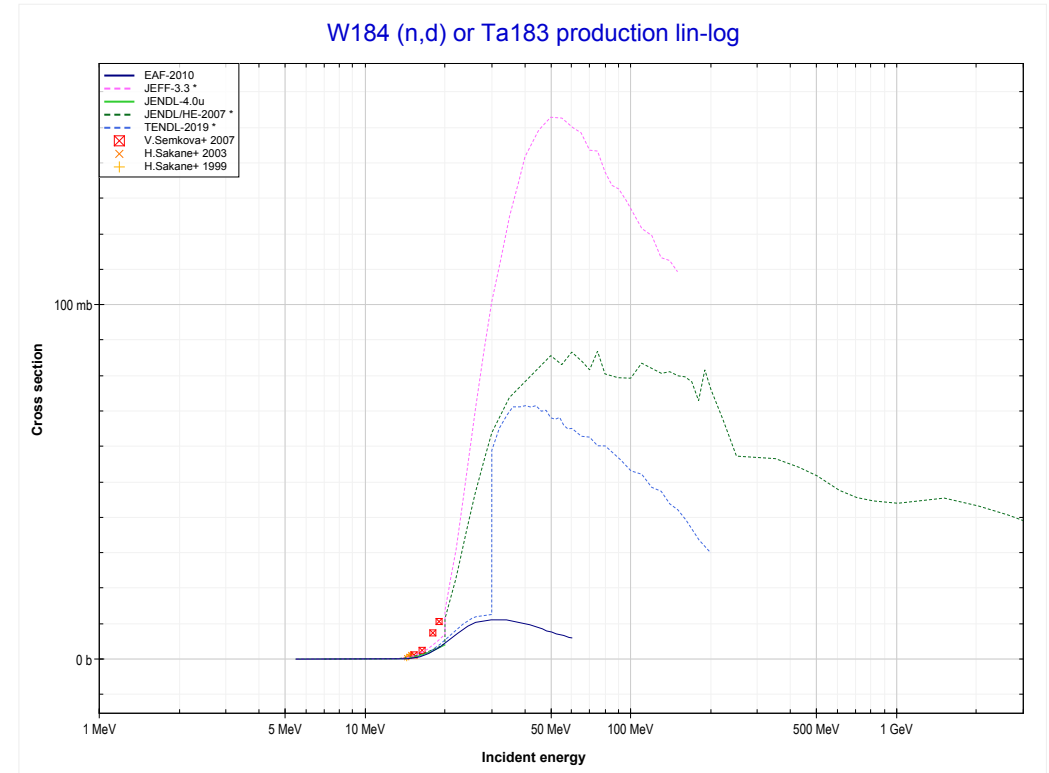
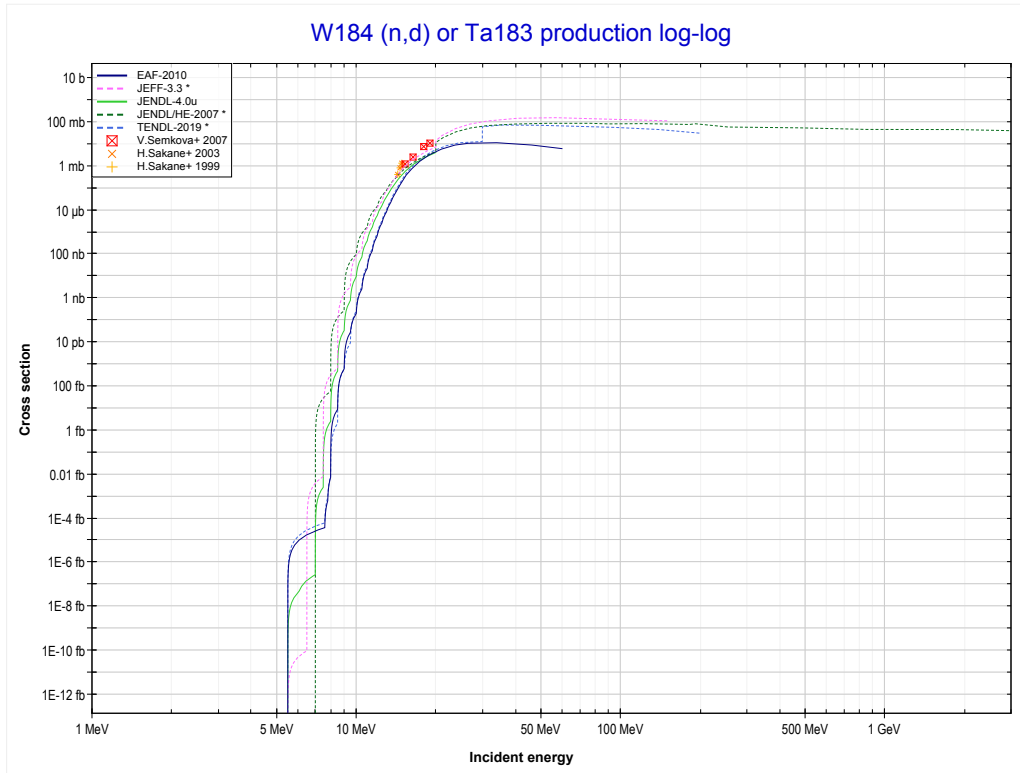
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.74946 b | 1.74815 b | 1.7461 b | 0.99885 | 16.4015 b | 0.0360125 b | 0.00129865 b |
| ENDF/B-VIII.0 | 1.63498 b | 1.63498 b | 1.6357 b | 1.00045 | 15.7696 b | 0.0516522 b | 7.14843E-4 b |
| JEFF-3.3 | 1.70045 b | 1.70045 b | 1.7011 b | 1.00038 | 14.5596 b | 0.0357179 b | 0.00106 b |
| JENDL-4.0u | 1.69773 b | 1.69773 b | 1.6985 b | 1.00044 | 16.3788 b | 0.0461308 b | 7.08583E-4 b |
| JENDL/HE-2007 | 1.69757 b | 1.69757 b | 1.6977 b | 1.00008 | 16.0192 b | 0.0375237 b | 0.001 b |
| BROND-3.1 | 1.50183 b | 1.50183 b | 1.5025 b | 1.00045 | 15.4469 b | 0.0516526 b | 7.14843E-4 b |
| CENDL-3.2 | 1.69757 b | 1.69757 b | 1.6977 b | 1.00008 | 16.1171 b | 0.0377554 b | 0.0014426 b |
| TENDL-2019 | 1.70375 b | 1.70375 b | 1.7039 b | 1.00007 | 15.7202 b | 0.04662 b | 7.08585E-4 b |

| | | |
|-------------------------|--|----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ta184 production) | MT104 (n,d) >> |



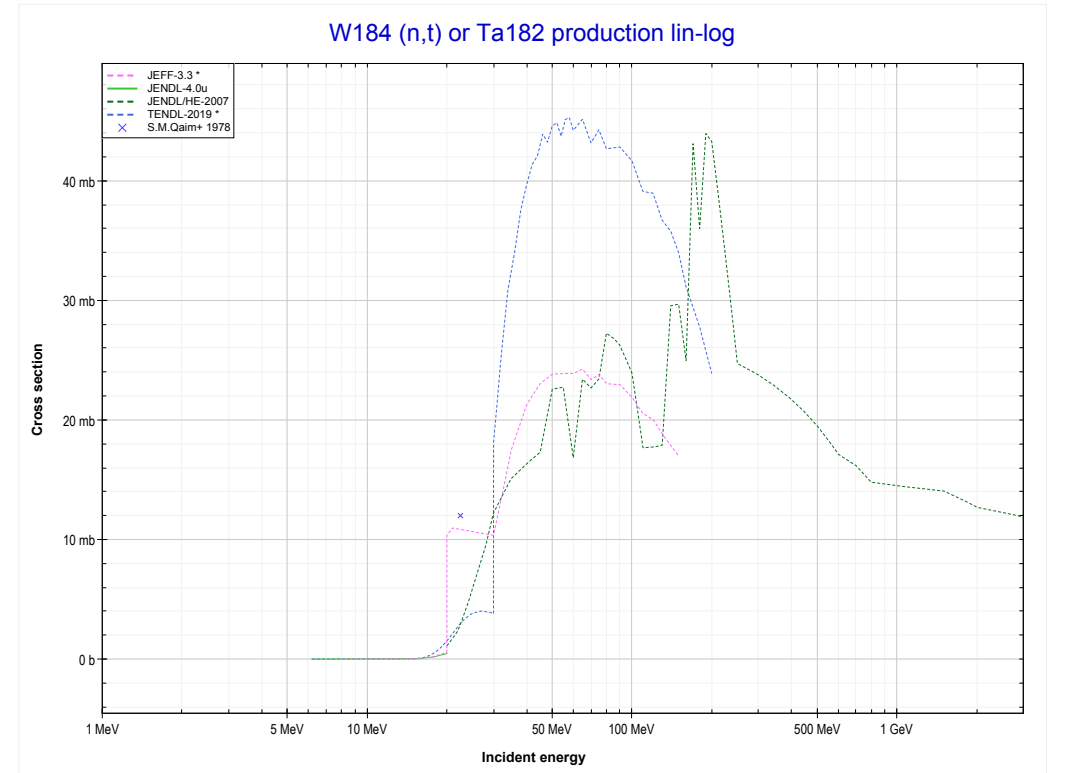
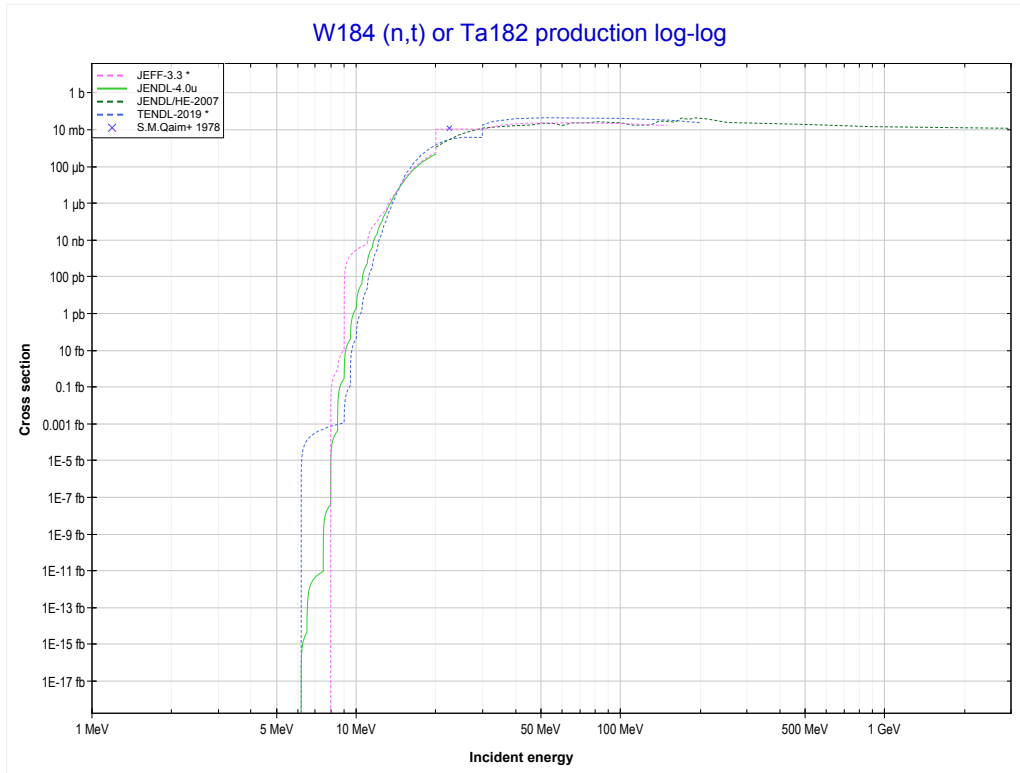
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25262E-6 b | 0.00200005 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09886E-6 b | 0.00234632 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.22586E-6 b | 0.00211869 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.19626E-6 b | 0.00221631 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19501E-6 b | 0.00204416 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09886E-6 b | 0.00234632 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.35853E-7 b | 0.00171754 b |

| | | |
|----------------|--|----------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ta183 production) | MT105 (n,t) >> |



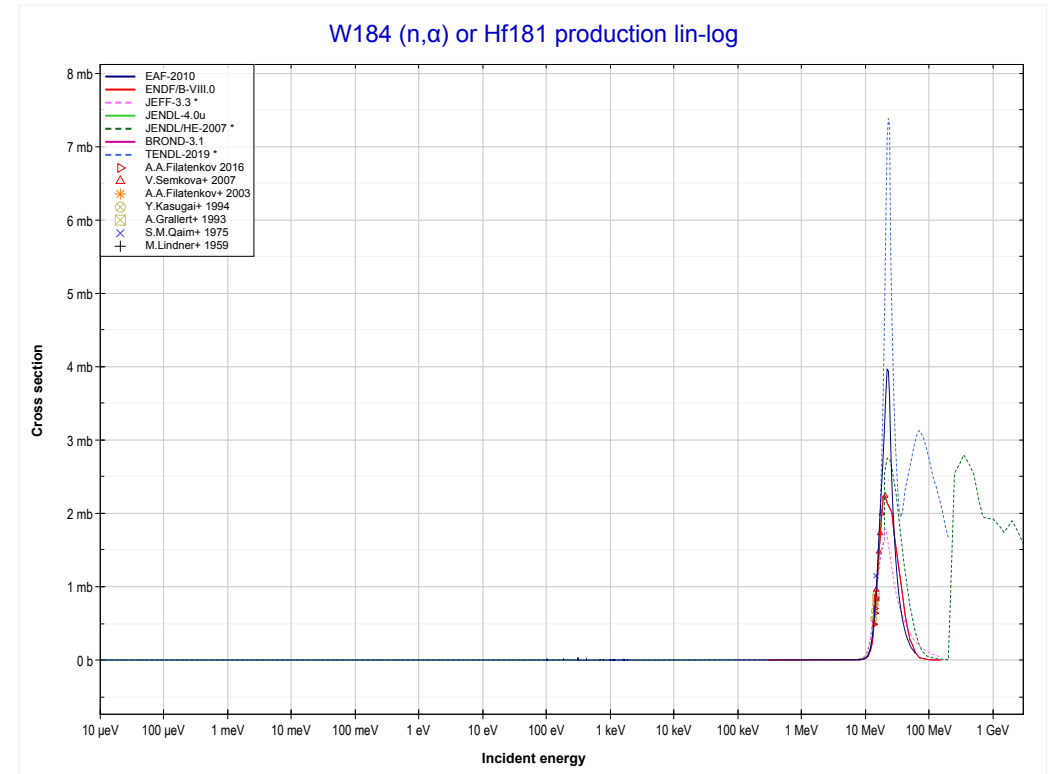
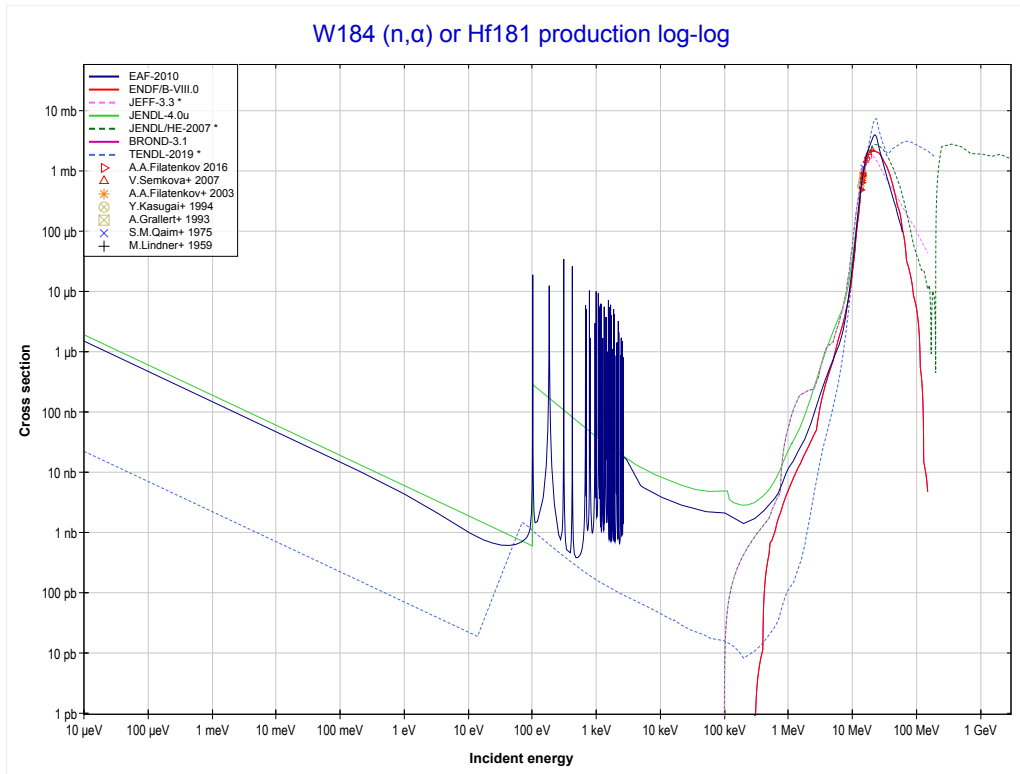
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.18375E-8 b | 5.04689E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64323E-7 b | 2.73726E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.45452E-8 b | 1.51252E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.35659E-7 b | 2.48182E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 7.59619E-8 b | 6.15882E-5 b |

| | | |
|----------------|--|-------------------------|
| << 73-Ta-181 | 74-W-184 | 81-Tl-205 >> |
| << MT104 (n,d) | MT105 (n,t) or MT5 (Ta182 production) | MT107 (n, α) >> |



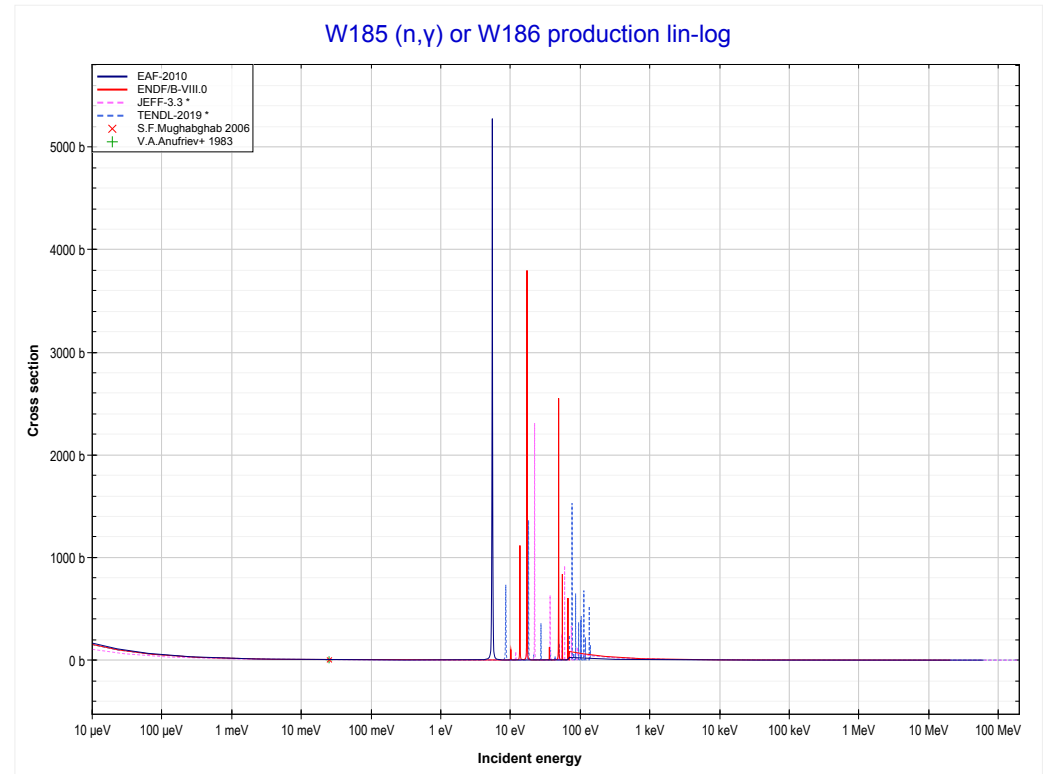
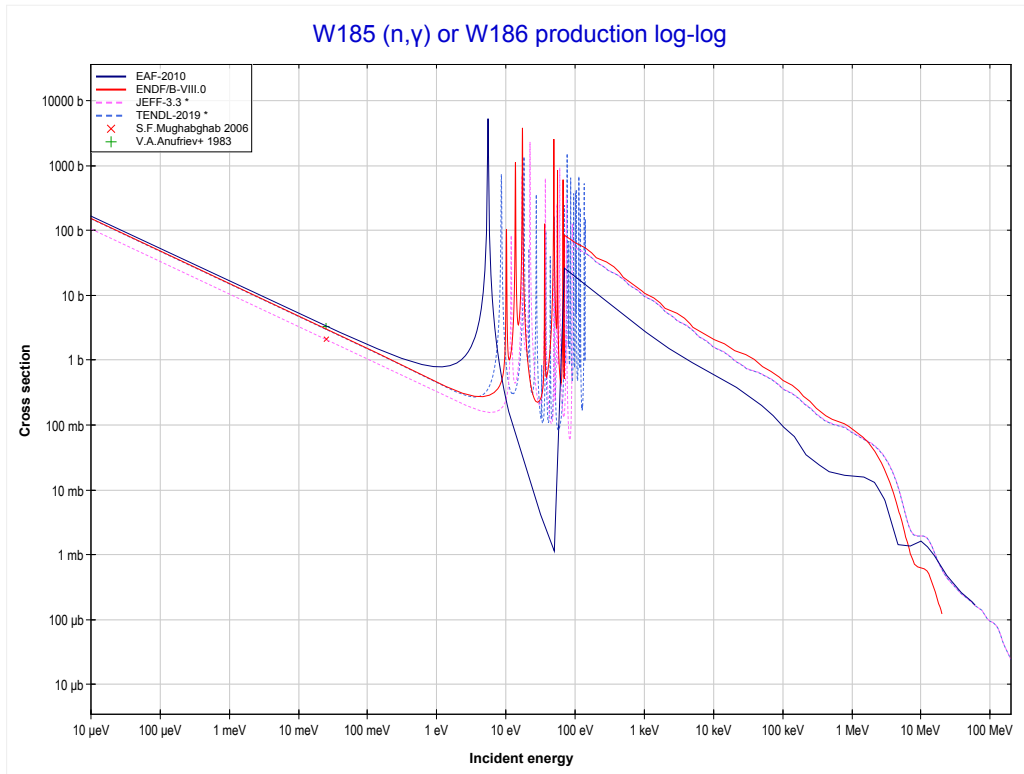
| Reaction | Q-Value |
|-------------------|---------------|
| W184(n,t)Ta182 | -6153.99 keV |
| W184(n,n+d)Ta182 | -12411.22 keV |
| W184(n,2n+p)Ta182 | -14635.79 keV |

| | | |
|----------------|--|----------------------------------|
| << 74-W-183 | 74-W-184 | 74-W-186 >> |
| << MT105 (n,t) | MT107 (n,α) or MT5 (Hf181 production) | 74-W-185 MT102 (n, γ) >> |



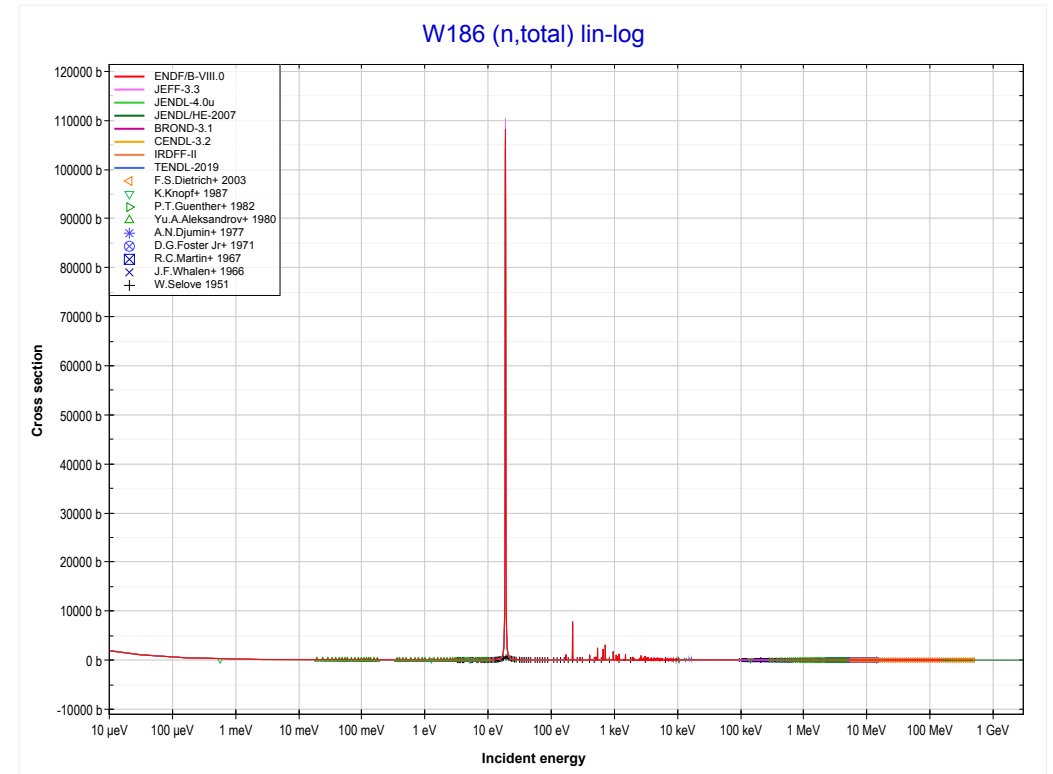
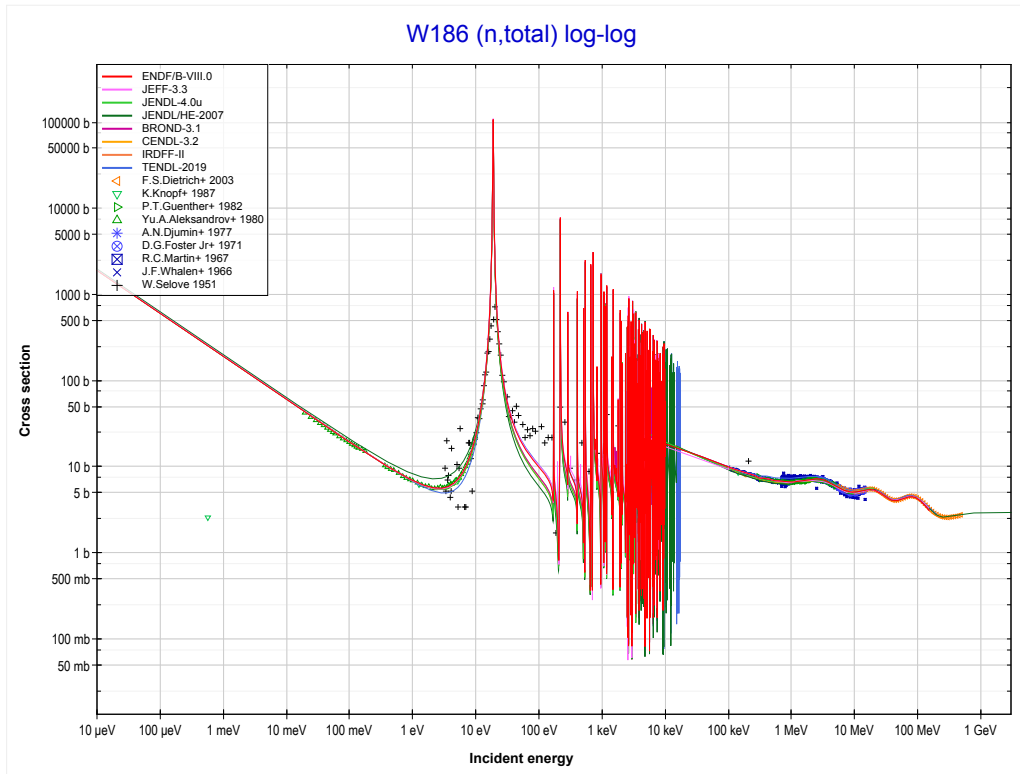
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.9998E-8 b | 2.99754E-8 b | 2.9941E-8 b | 0.99885 | 2.75148E-7 b | 5.6513E-7 b | 6.53689E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98126E-7 b | 6.08473E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 8.87361E-22 b | 1.03322E-6 b | 7.20677E-4 b |
| JENDL-4.0u | 3.82756E-8 b | 3.82756E-8 b | 3.8292E-8 b | 1.00042 | 3.56151E-7 b | 8.59716E-7 b | 5.90743E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.03322E-6 b | 7.20677E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.98126E-7 b | 6.08473E-4 b |
| TENDL-2019 | 4.4805E-10 b | 4.4805E-10 b | 4.4787E-10 b | 0.99959 | 2.55018E-9 b | 3.73442E-7 b | 5.48295E-4 b |

| | | |
|----------------------------------|---|---------------------------|
| << 74-W-184 | 74-W-185 | 74-W-186 >> |
| << 74-W-184 MT107 (n, α) | MT102 (n,γ) or MT5 (W186 production) | 74-W-186 MT1 (n,total) >> |



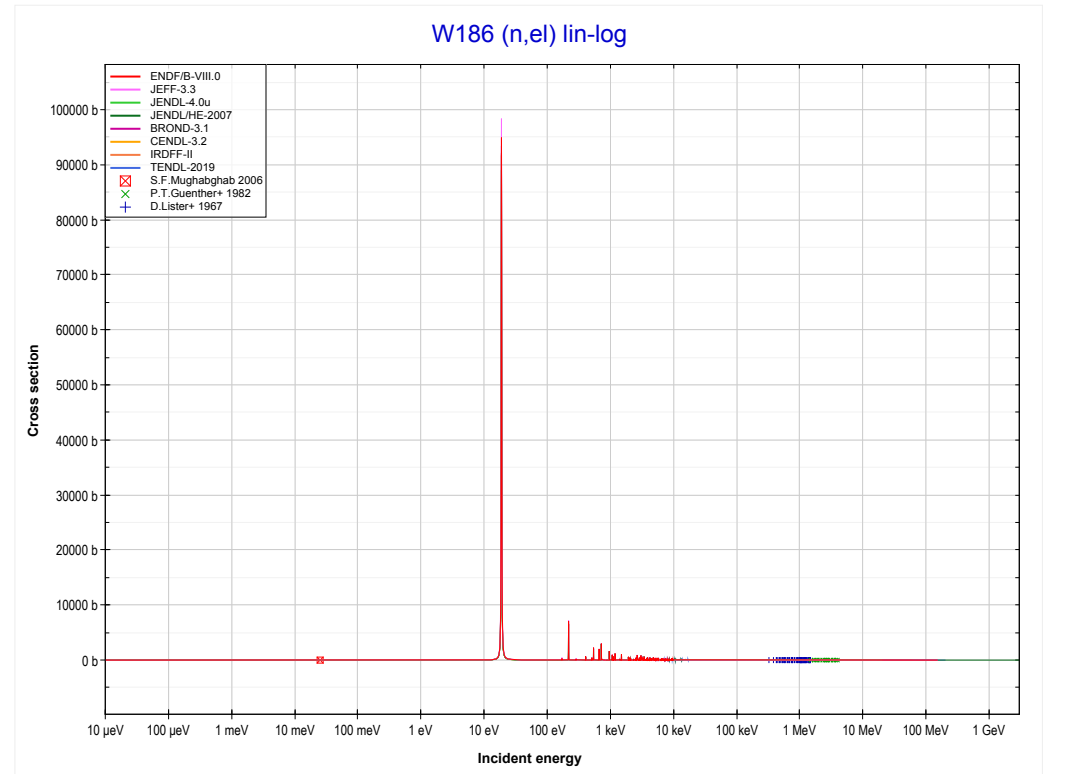
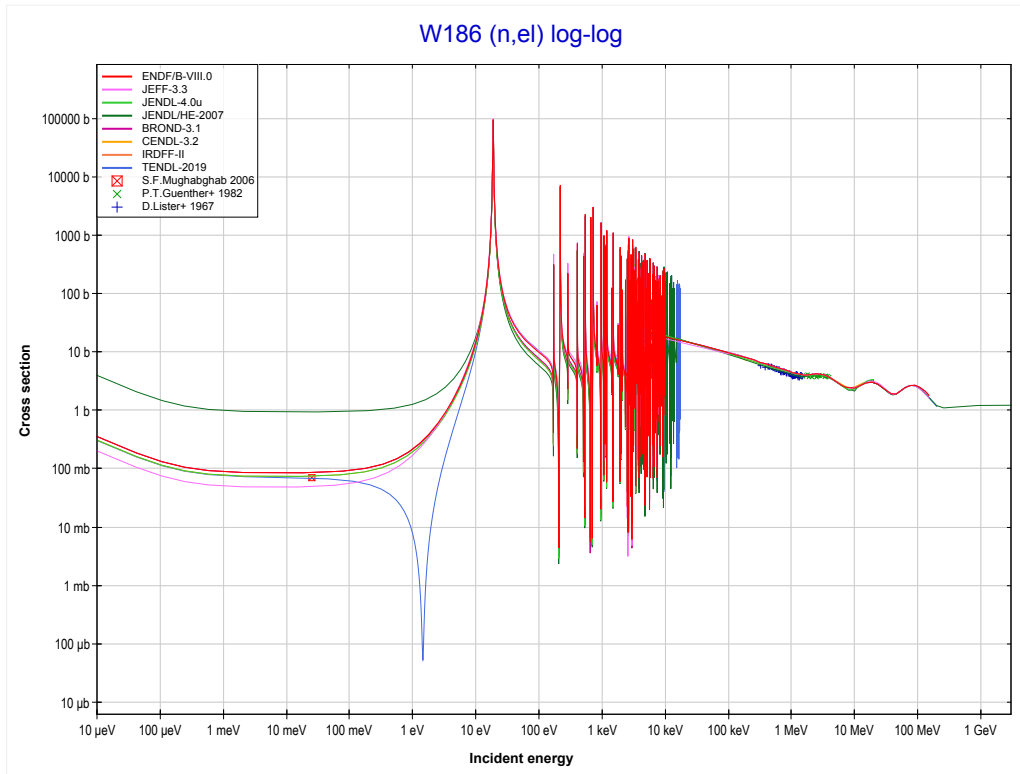
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.33319 b | 3.33073 b | 3.349 b | 1.00549 | 169.981 b | 0.0170335 b | 0.00113 b |
| ENDF/B-VIII.0 | 3.03283 b | 3.03283 b | 3.0289 b | 0.9987 | 228.356 b | 0.084328 b | 4.01973E-4 b |
| JEFF-3.3 | 2.09044 b | 2.09044 b | 2.0904 b | 0.99999 | 139.536 b | 0.076401 b | 0.00143523 b |
| TENDL-2019 | 2.989 b | 2.989 b | 2.9856 b | 0.99887 | 130.639 b | 0.0751914 b | 0.00143386 b |

| | | |
|-------------------------|----------------------|--------------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << 74-W-185 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



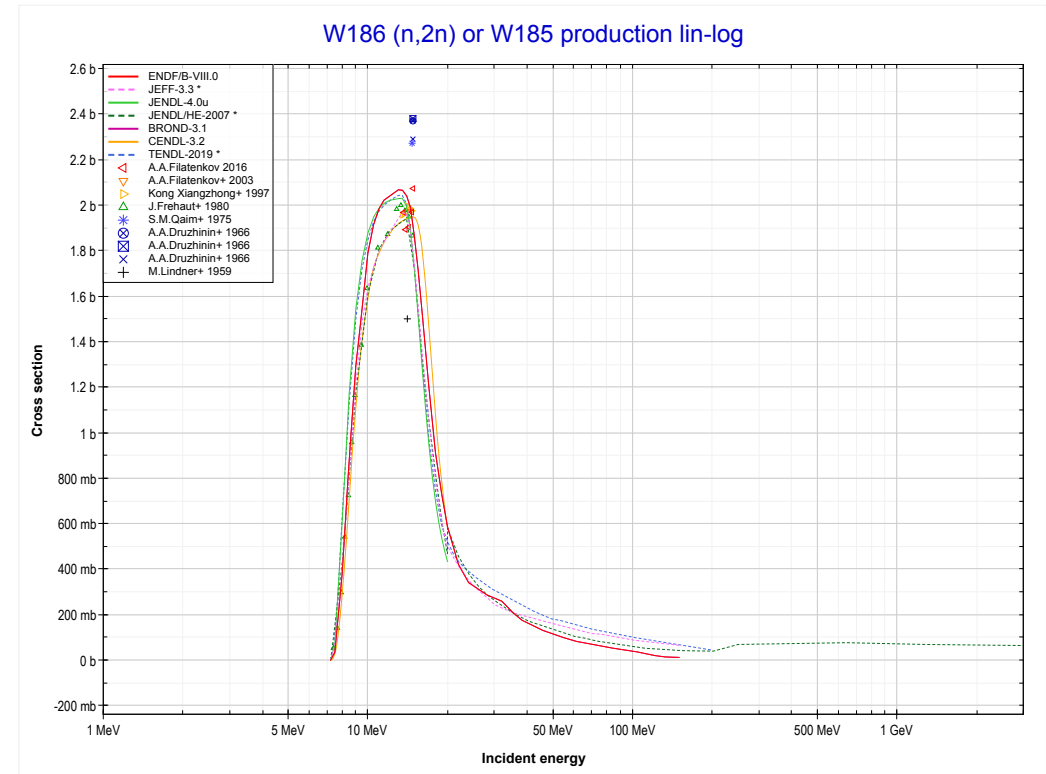
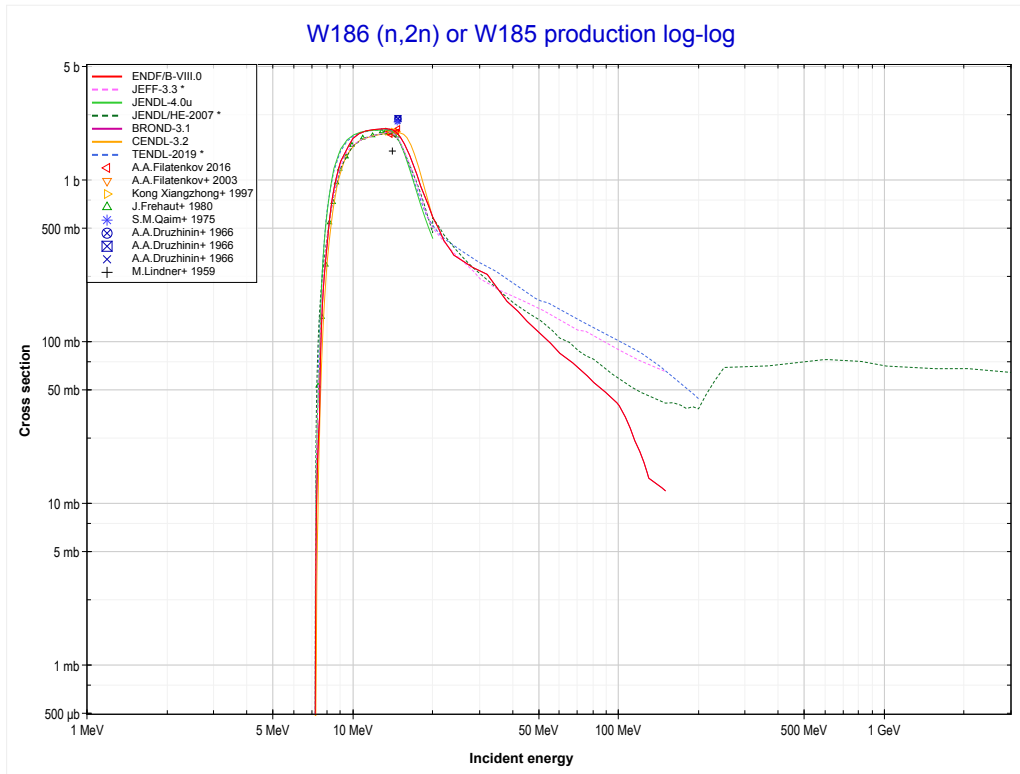
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 37.9792 b | 37.9792 b | 38.059 b | 1.00209 | 3844.43 b | 6.97088 b | 5.30432 b |
| JEFF-3.3 | 38.36 b | 38.36 b | 38.429 b | 1.00179 | 3982.31 b | 6.82046 b | 5.19568 b |
| JENDL-4.0u | 38.1737 b | 38.1737 b | 38.247 b | 1.00191 | 3554.04 b | 6.84813 b | 5.38495 b |
| JENDL/HE-2007 | 40.3837 b | 40.3837 b | 40.567 b | 1.00454 | 3568.41 b | 6.72014 b | 5.22435 b |
| BROND-3.1 | 38.1804 b | 38.1804 b | 38.257 b | 1.00202 | 3625.94 b | 6.97059 b | 5.30432 b |
| CENDL-3.2 | 38.165 b | 38.165 b | 38.224 b | 1.00155 | 3551.27 b | 6.77197 b | 5.4432 b |
| IRDFF-II | 38.1777 b | 38.1777 b | 38.25 b | 1.0019 | 3623.45 b | 6.97074 b | 5.30432 b |
| TENDL-2019 | 38.187 b | 38.187 b | 38.243 b | 1.00147 | 3700.04 b | 7.47973 b | 5.52416 b |

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|------------------|------------------------|----------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



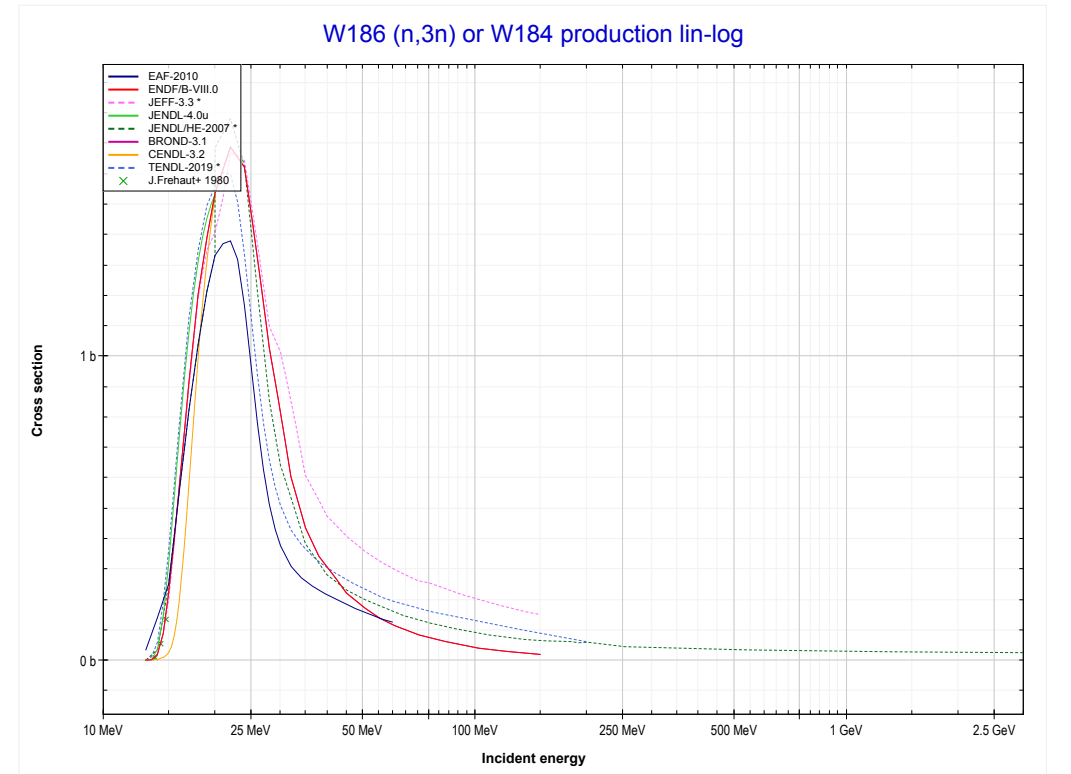
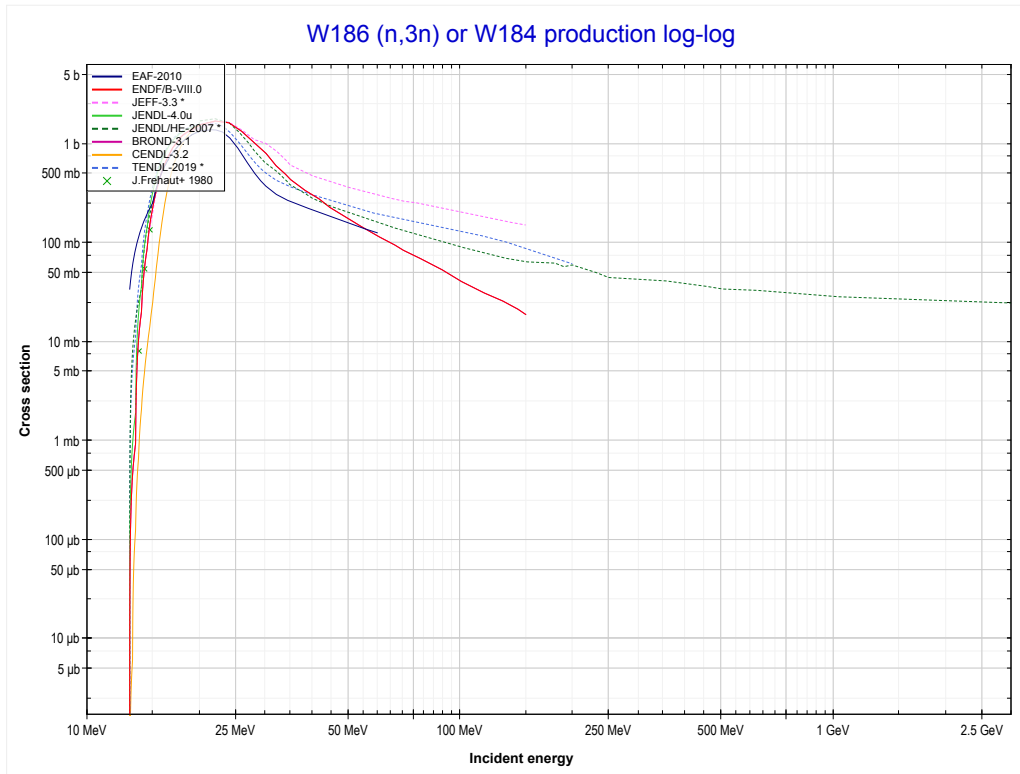
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0.0854544 b | 0.0854544 b | 0.099312 b | 1.16216 | 3368.2 b | 4.61077 b | 2.86287 b |
| JEFF-3.3 | 0.0491844 b | 0.0491844 b | 0.057933 b | 1.17788 | 3544.32 b | 4.59981 b | 2.85732 b |
| JENDL-4.0u | 0.0742372 b | 0.0742372 b | 0.086378 b | 1.16353 | 3079.75 b | 4.44842 b | 2.95236 b |
| JENDL/HE-2007 | 0.933804 b | 0.933804 b | 1.0623 b | 1.13765 | 3040.06 b | 4.27724 b | 2.81427 b |
| BROND-3.1 | 0.0854509 b | 0.0854509 b | 0.099255 b | 1.16155 | 3141.54 b | 4.61045 b | 2.86287 b |
| CENDL-3.2 | 0.0742372 b | 0.0742372 b | 0.086383 b | 1.1636 | 3077.39 b | 4.49175 b | 2.97733 b |
| IRDFF-II | 0.0854509 b | 0.0854509 b | 0.099287 b | 1.16191 | 3139.4 b | 4.61063 b | 2.86287 b |
| TENDL-2019 | 0.0686685 b | 0.0686685 b | 0.074998 b | 1.09217 | 3223.82 b | 4.62661 b | 2.86273 b |

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|--------------------|---|----------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (W185 production) | MT17 (n,3n) >> |



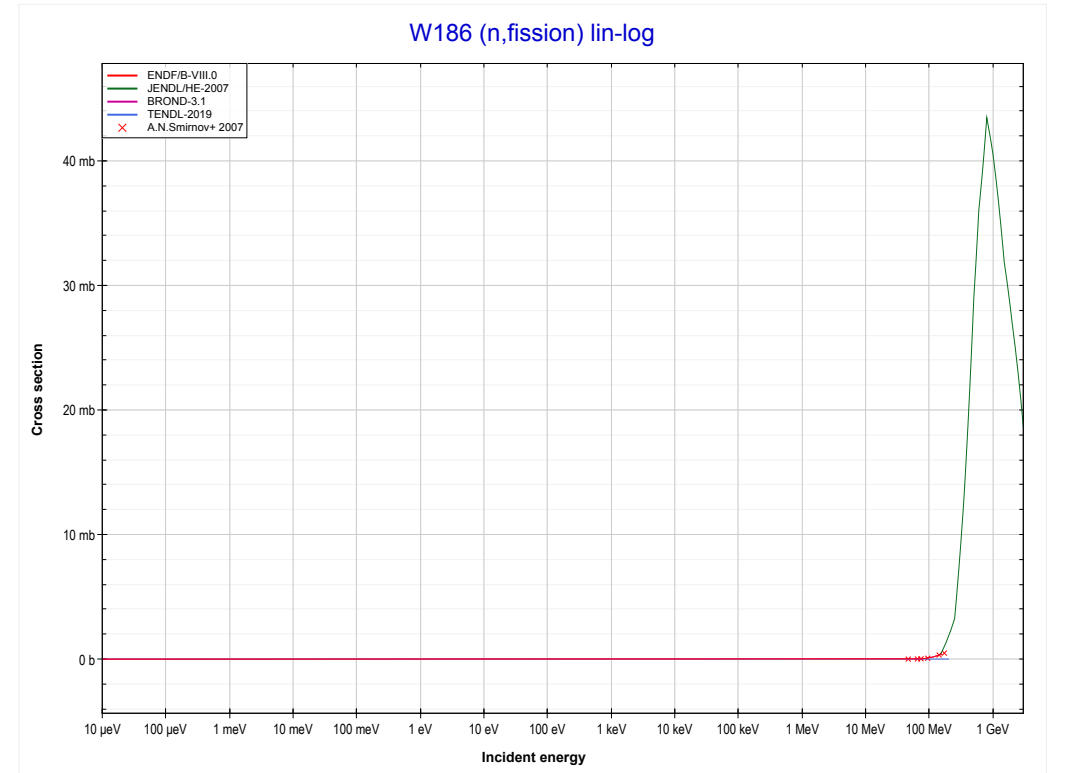
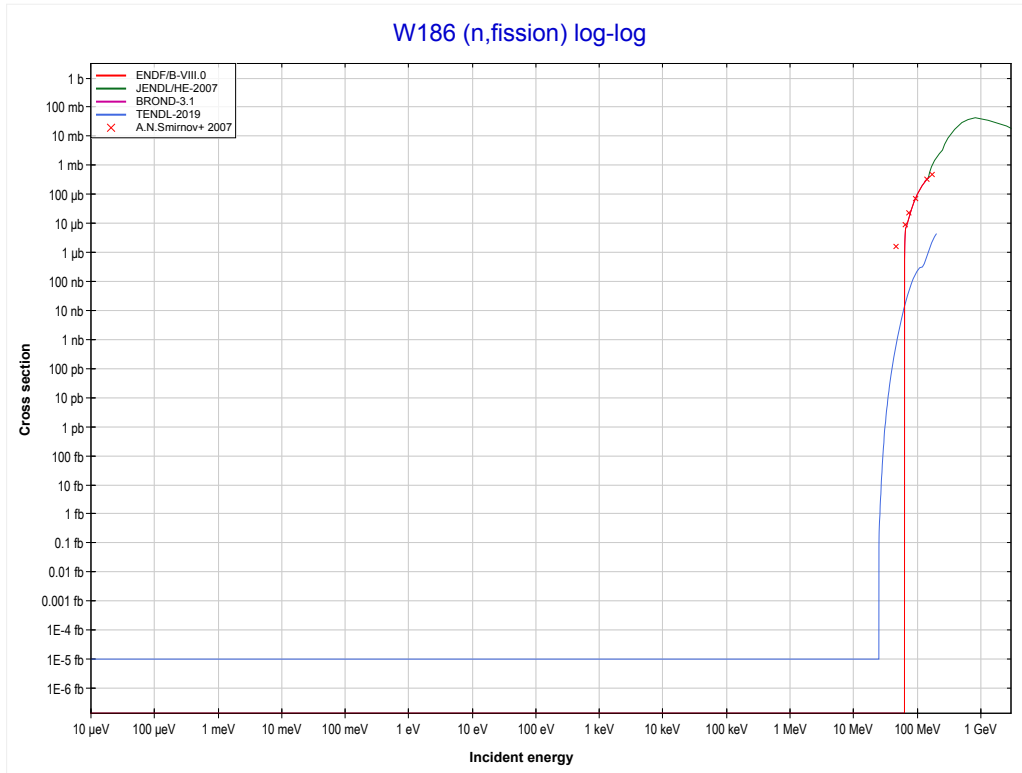
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0107078 b | 2.04244 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0102135 b | 1.962 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0126022 b | 1.99558 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0102673 b | 1.94014 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0107078 b | 2.04244 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00924548 b | 1.9417 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.012481 b | 2.00604 b |

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|----------------|---|---------------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (W184 production) | MT18 (n,fission) >> |



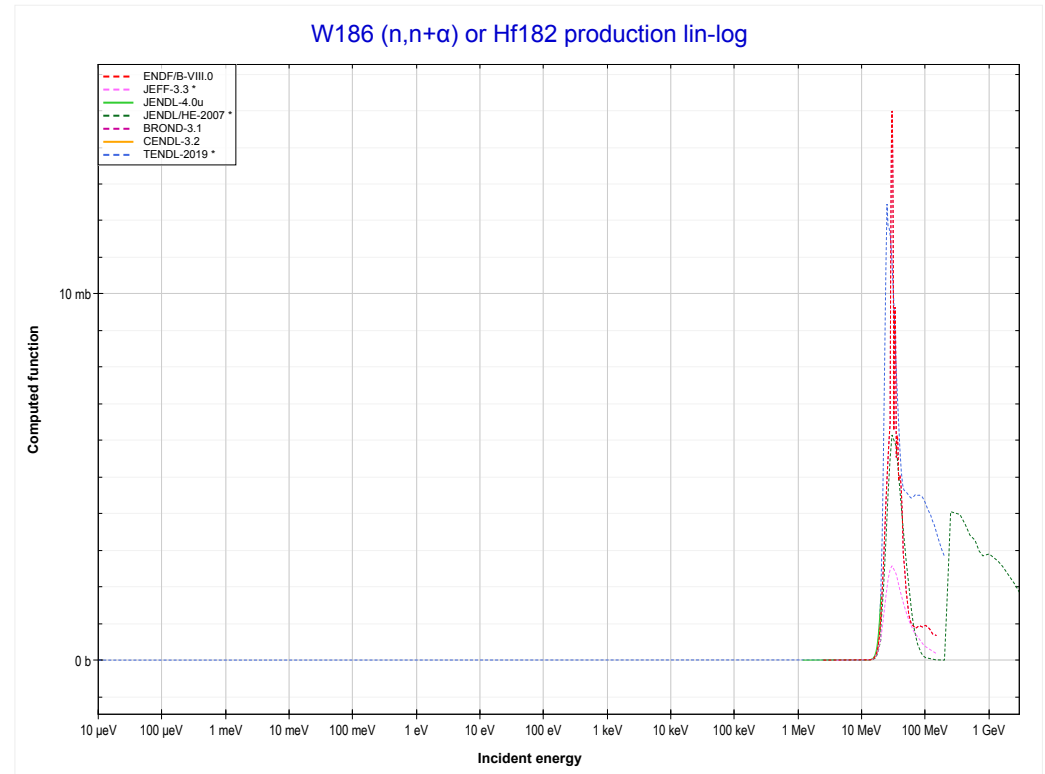
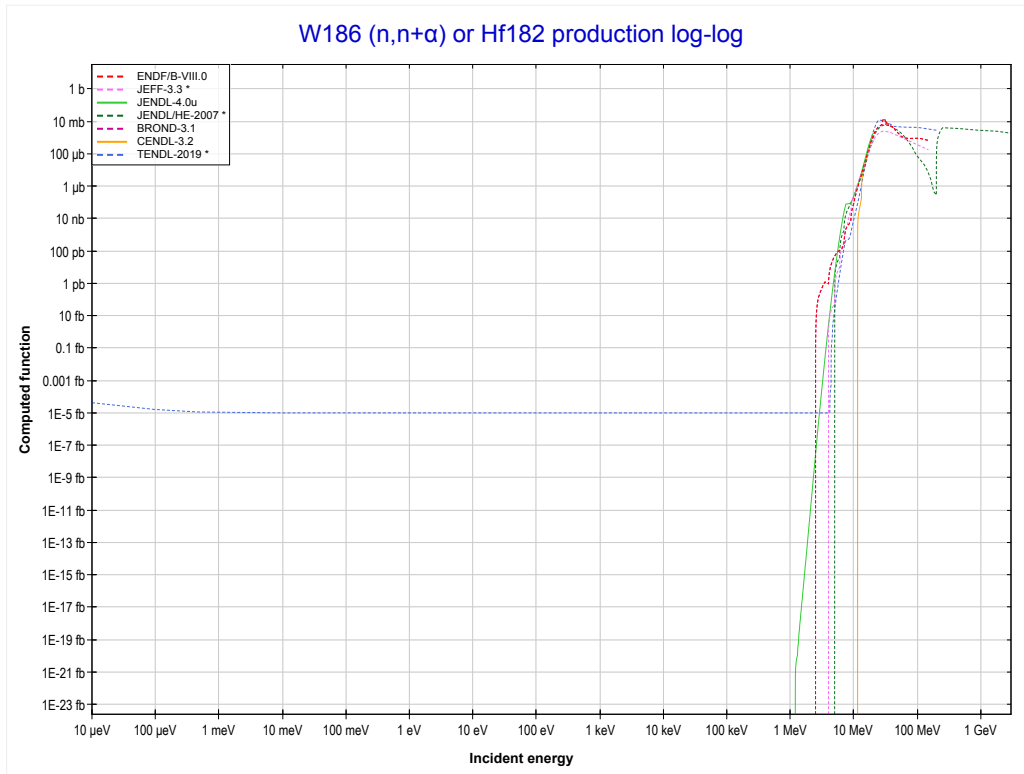
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13508E-5 b | 0.14091 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.21865E-5 b | 0.019908 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.08886E-5 b | 0.019908 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.35971E-5 b | 0.0360571 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.35681E-5 b | 0.0337839 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.21865E-5 b | 0.019908 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.00185E-5 b | 0.0020591 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.93083E-5 b | 0.0590696 b |

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|----------------|-------------------------|-----------------|
| << 74-W-184 | 74-W-186 | 79-Au-197 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT22 (n,n+α) >> |



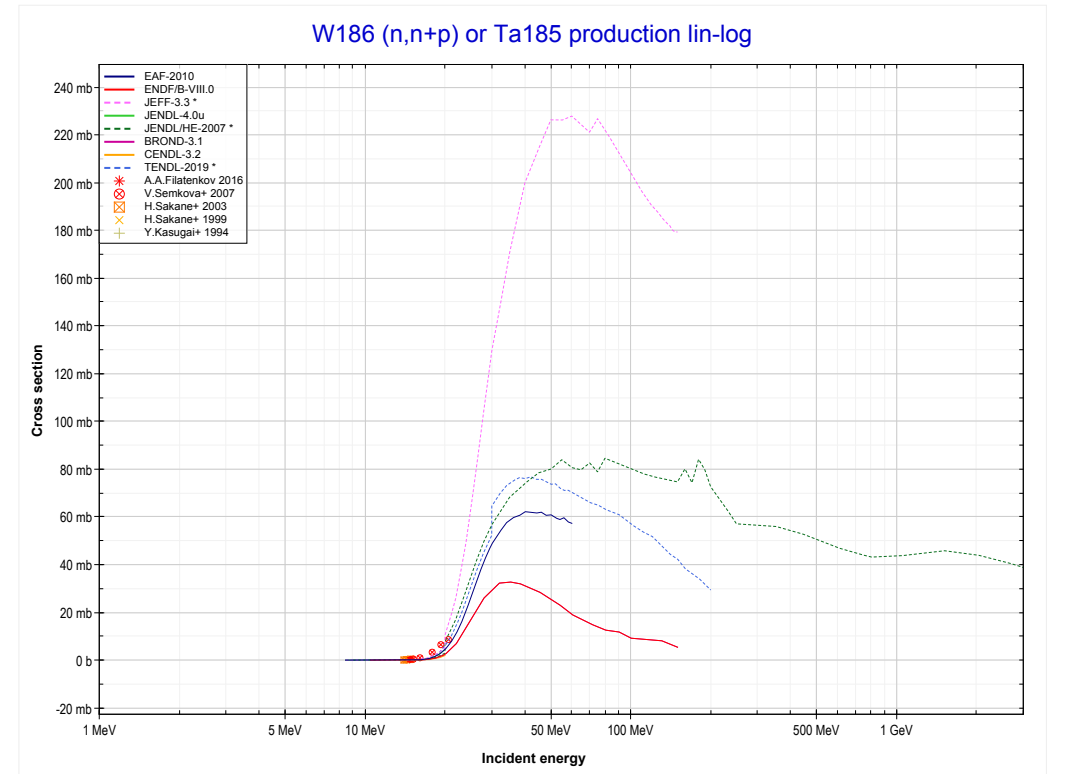
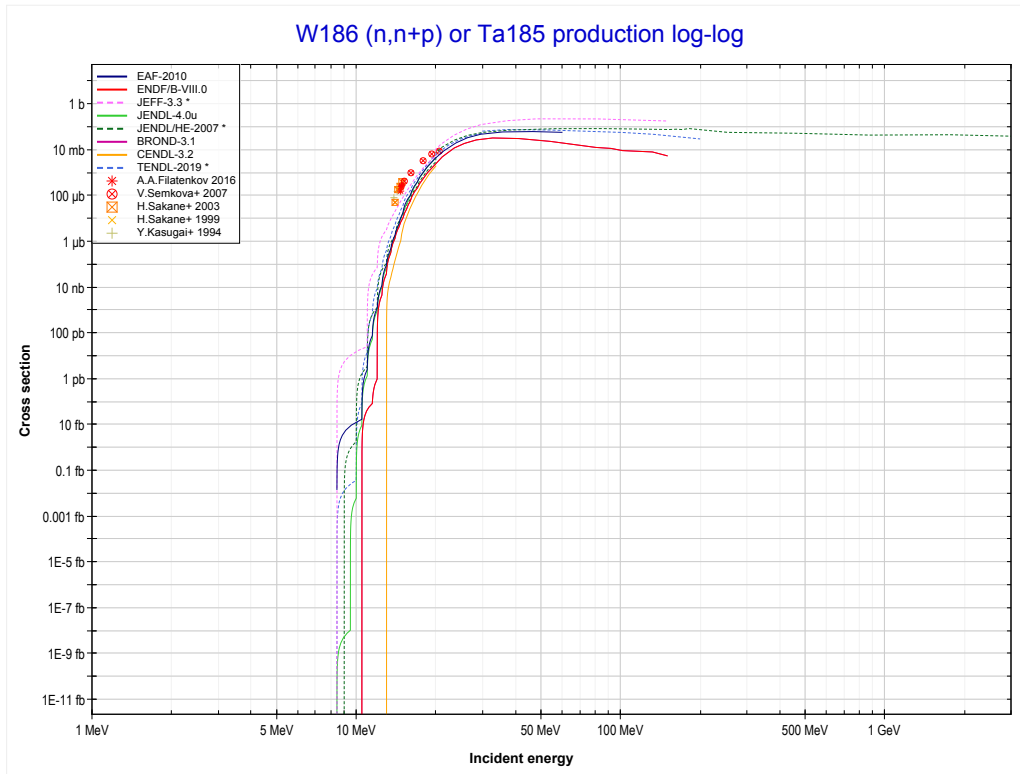
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

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|---------------------|---|-----------------|
| << 74-W-182 | 74-W-186 | 79-Au-197 >> |
| << MT18 (n,fission) | MT22 (n,n+α) or MT5 (Hf182 production) | MT28 (n,n+p) >> |



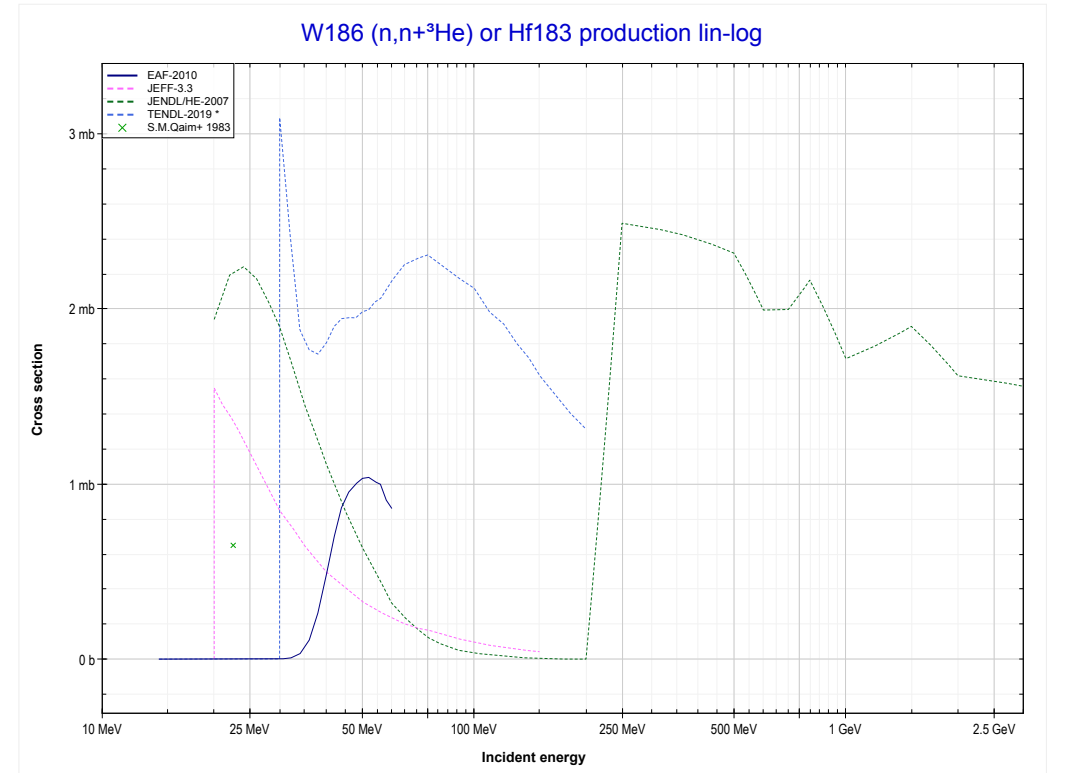
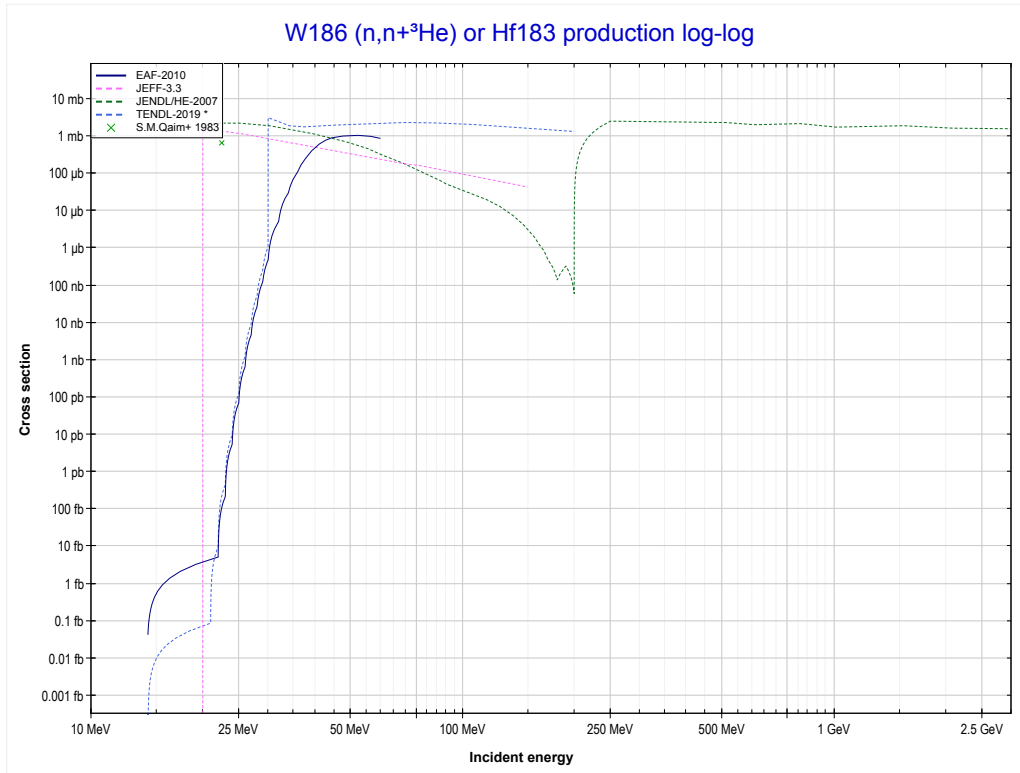
| Reaction | Q-Value |
|---------------------|---------------|
| W186(n,n+α)Hf182 | 1116.58 keV |
| W186(n,d+t)Hf182 | -16472.71 keV |
| W186(n,n+p+t)Hf182 | -18697.28 keV |
| W186(n,2n+He3)Hf182 | -19461.04 keV |
| W186(n,n+2d)Hf182 | -22729.94 keV |
| W186(n,2n+p+d)Hf182 | -24954.51 keV |
| W186(n,3n+2p)Hf182 | -27179.08 keV |

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|-----------------|---|--------------------------------|
| << 74-W-184 | 74-W-186 | 76-Os-190 >> |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Ta185 production) | MT34 (n,n+ ³ He) >> |



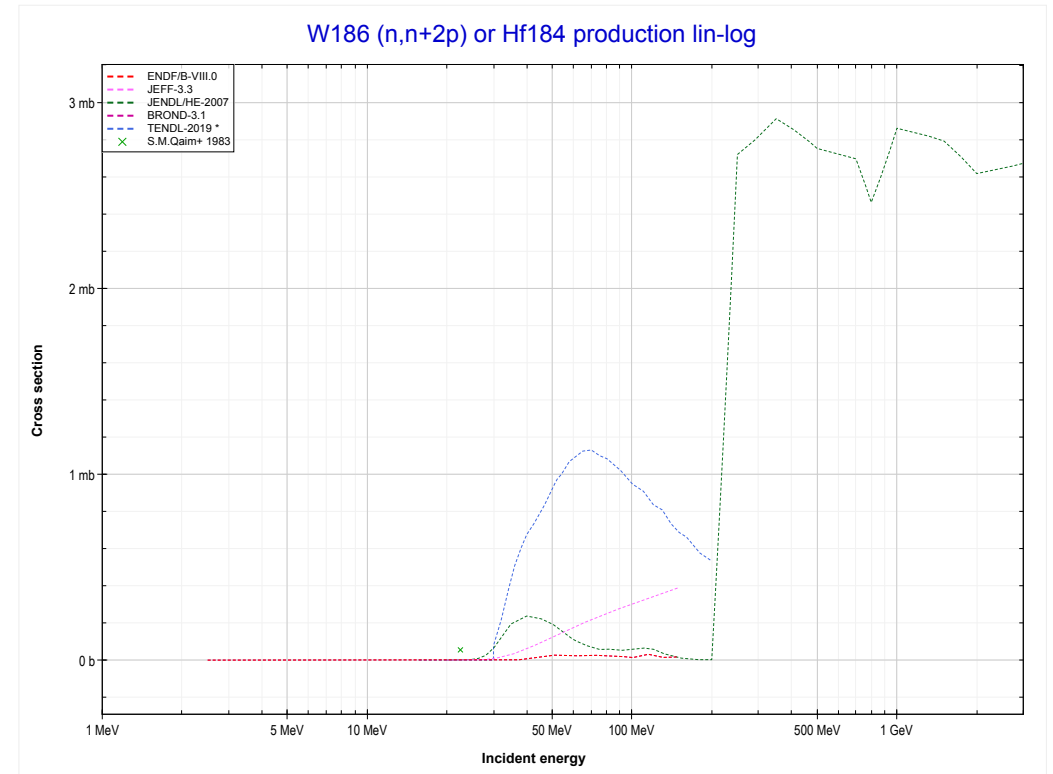
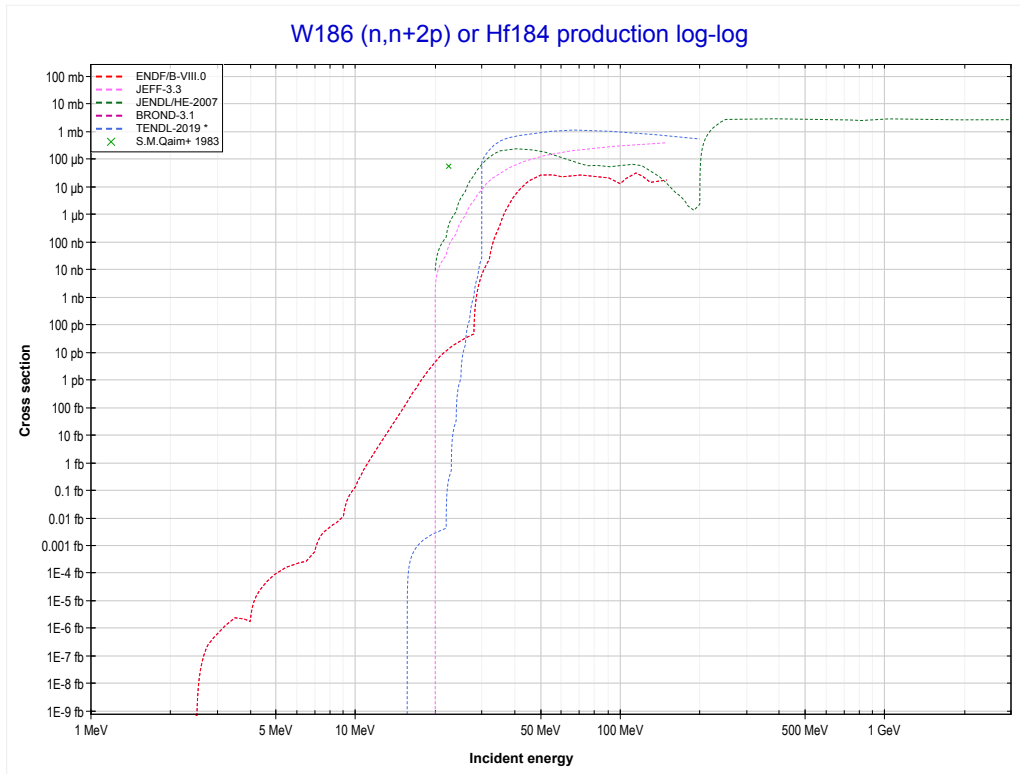
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15963E-8 b | 1.30426E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.85282E-8 b | 1.91814E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.08393E-8 b | 1.51701E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.48706E-8 b | 1.64354E-6 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15963E-8 b | 1.30426E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.33379E-9 b | 1.3368E-7 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.03417E-8 b | 4.89985E-6 b |

| | | |
|-----------------|--|------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT28 (n,n+p) | MT34 (n,n+³He) or MT5 (Hf183 production) | MT44 (n,n+2p) >> |



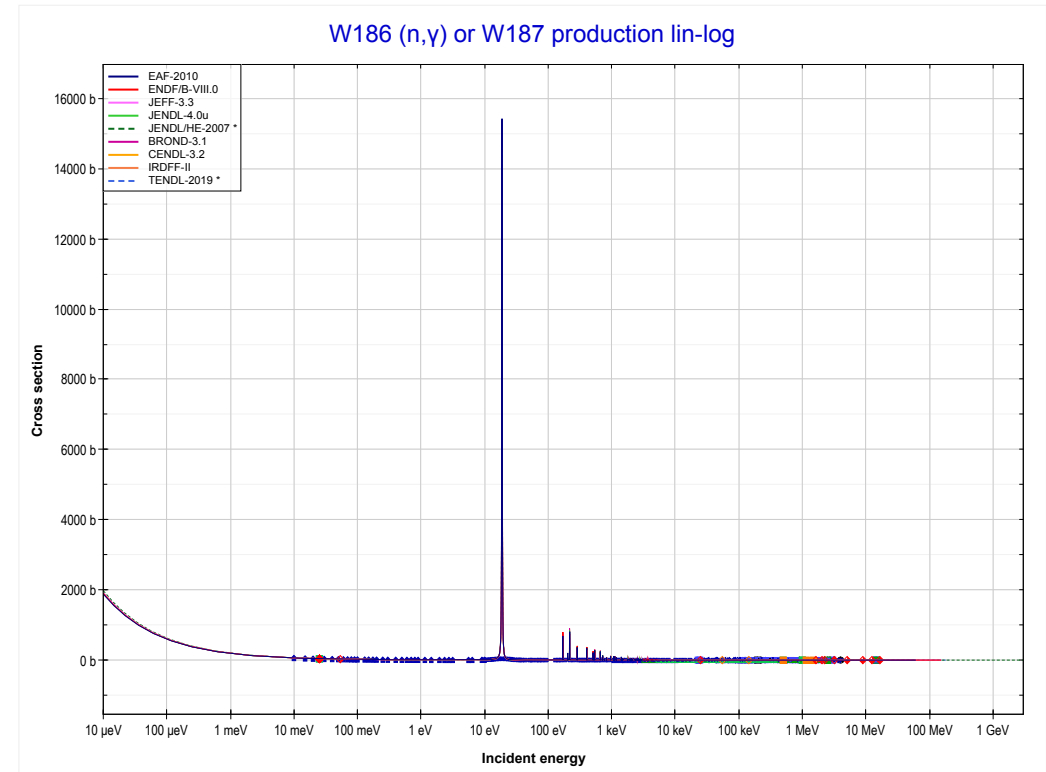
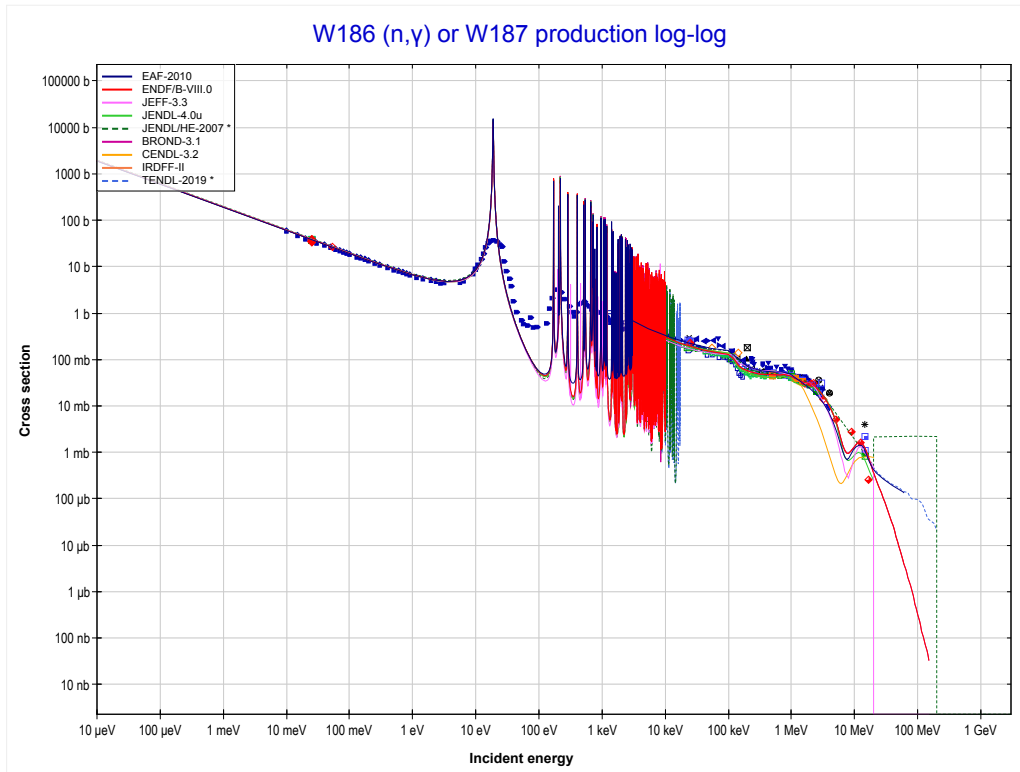
| Reaction | Q-Value |
|-------------------------|---------------|
| W186(n, α)Hf183 | 6417.90 keV |
| W186(n,p+t)Hf183 | -13395.96 keV |
| W186(n,n+He3)Hf183 | -14159.72 keV |
| W186(n,2d)Hf183 | -17428.63 keV |
| W186(n,n+p+d)Hf183 | -19653.19 keV |
| W186(n,2n+2p)Hf183 | -21877.76 keV |

| | | |
|--------------------------------|--|-------------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT34 (n,n+ ³ He) | MT44 (n,n+2p) or MT5 (Hf184 production) | MT102 (n, γ) >> |



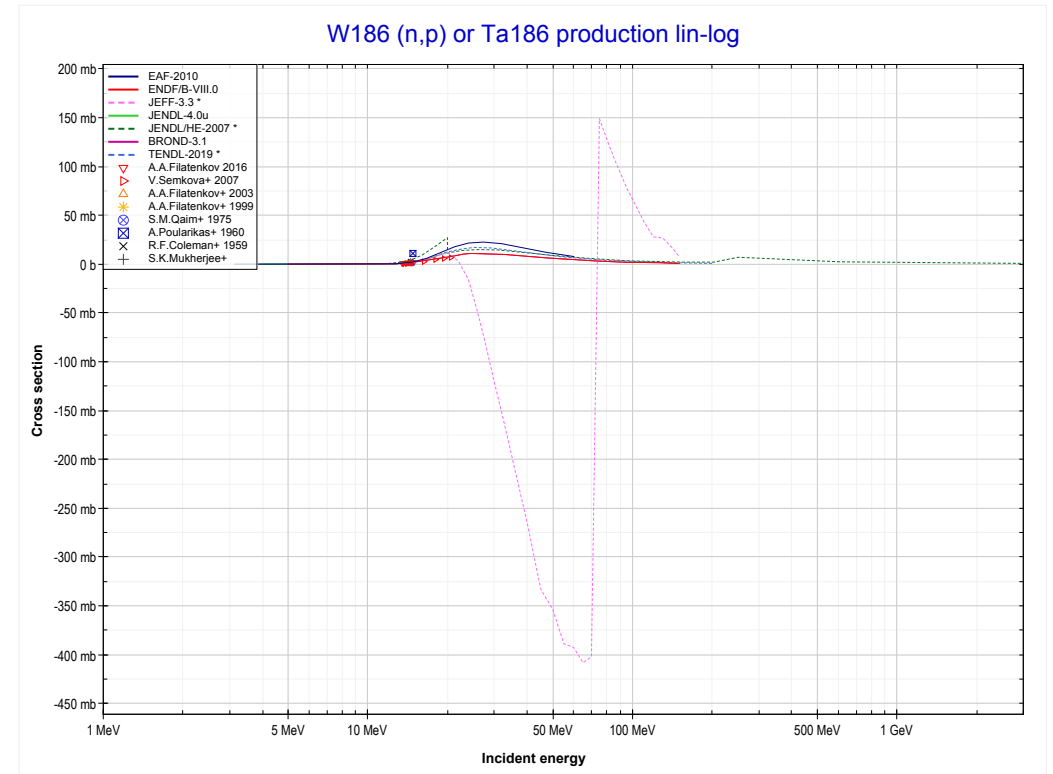
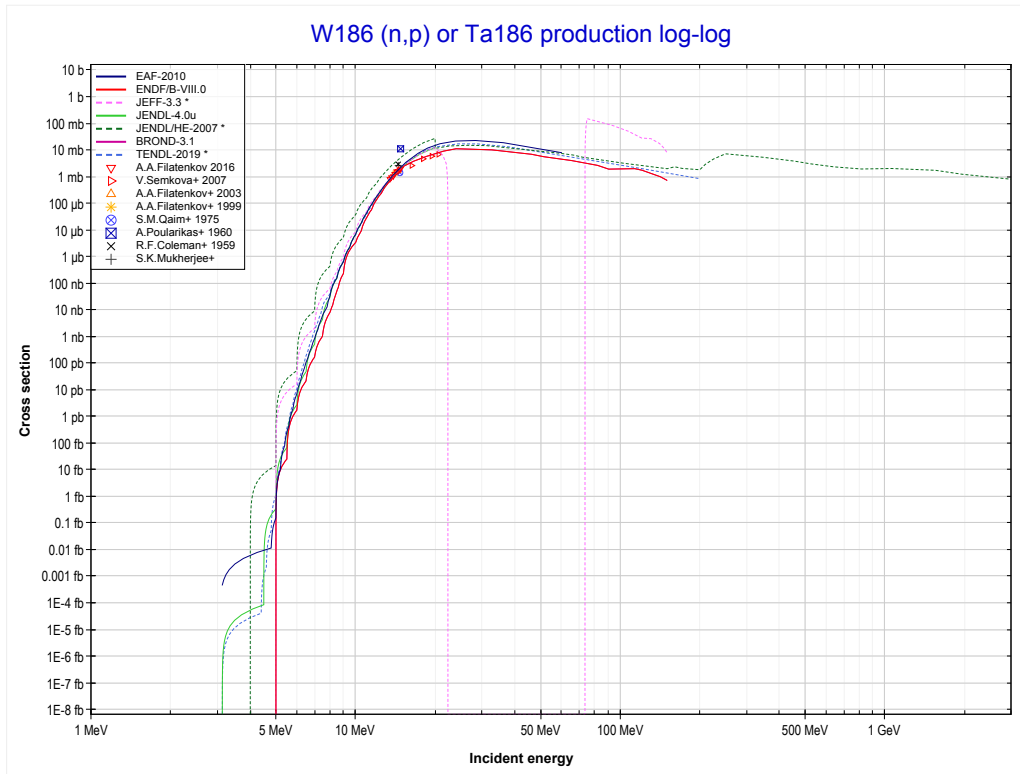
| Reaction | Q-Value |
|-------------------|---------------|
| W186(n,He3)Hf184 | -7868.40 keV |
| W186(n,p+d)Hf184 | -13361.88 keV |
| W186(n,n+2p)Hf184 | -15586.44 keV |

| | | |
|------------------|---|----------------|
| << 74-W-185 | 74-W-186 | 74-W-187 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (W187 production) | MT103 (n,p) >> |



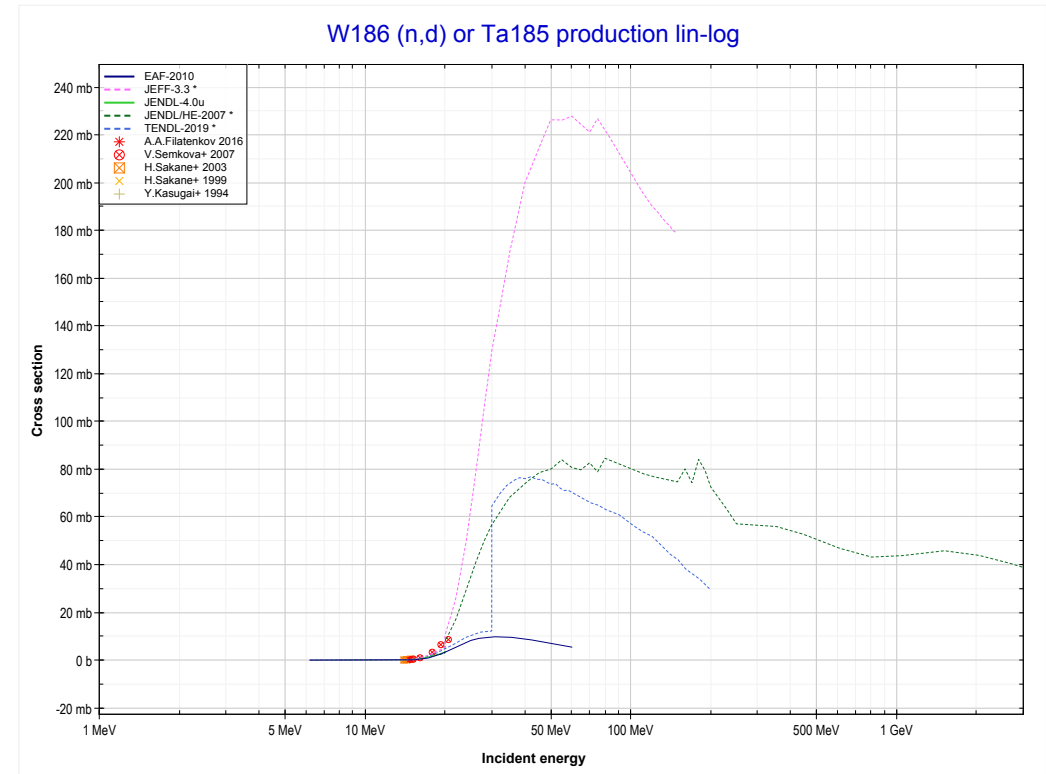
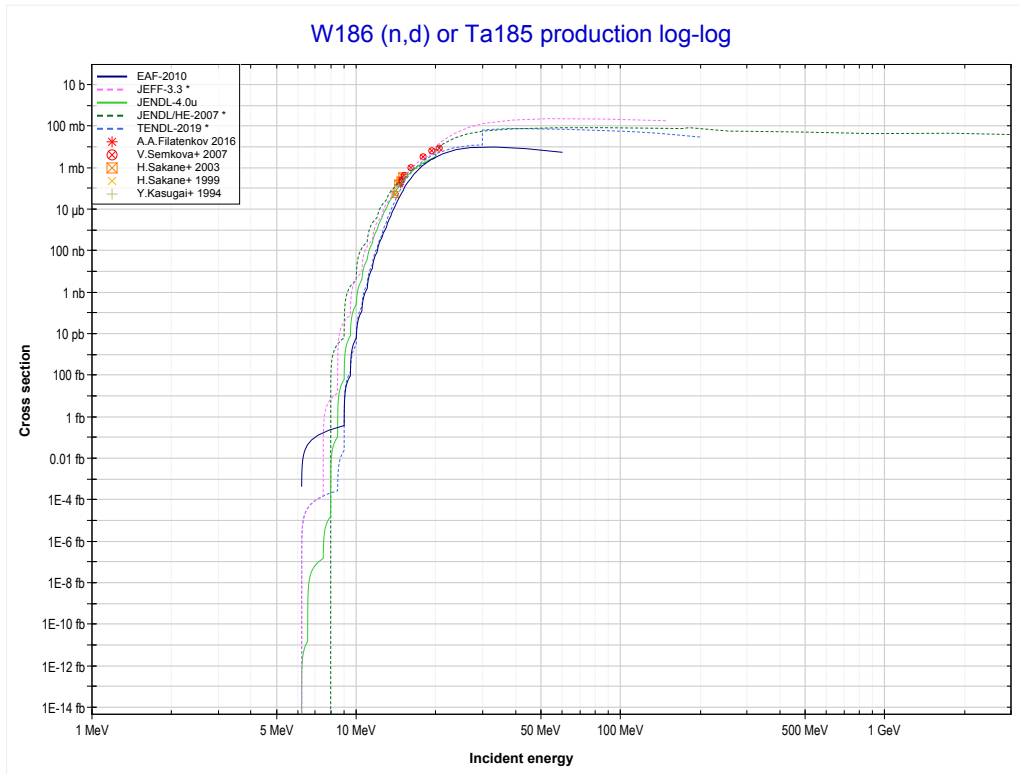
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 37.4927 b | 37.4648 b | 37.506 b | 1.00112 | 518.86 b | 0.034514 b | 0.00124275 b |
| ENDF/B-VIII.0 | 37.8937 b | 37.8937 b | 37.959 b | 1.00173 | 476.226 b | 0.0338275 b | 0.00138946 b |
| JEFF-3.3 | 38.3108 b | 38.3108 b | 38.371 b | 1.00157 | 437.997 b | 0.0348856 b | 0.00101 b |
| JENDL-4.0u | 38.0995 b | 38.0995 b | 38.16 b | 1.0016 | 474.294 b | 0.0304539 b | 7.7171E-4 b |
| JENDL/HE-2007 | 39.4499 b | 39.4499 b | 39.505 b | 1.00139 | 528.407 b | 0.0359199 b | 0.001 b |
| BROND-3.1 | 38.0949 b | 38.0949 b | 38.158 b | 1.00166 | 484.406 b | 0.0338548 b | 0.00138946 b |
| CENDL-3.2 | 38.0907 b | 38.0907 b | 38.138 b | 1.00123 | 473.864 b | 0.0243484 b | 7.9023E-4 b |
| IRDFF-II | 38.0923 b | 38.0923 b | 38.15 b | 1.00153 | 484.067 b | 0.0338544 b | 0.00138946 b |
| TENDL-2019 | 38.1184 b | 38.1184 b | 38.168 b | 1.00131 | 476.278 b | 0.0339986 b | 0.00138946 b |

| | | |
|-------------------------|--|----------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ta186 production) | MT104 (n,d) >> |



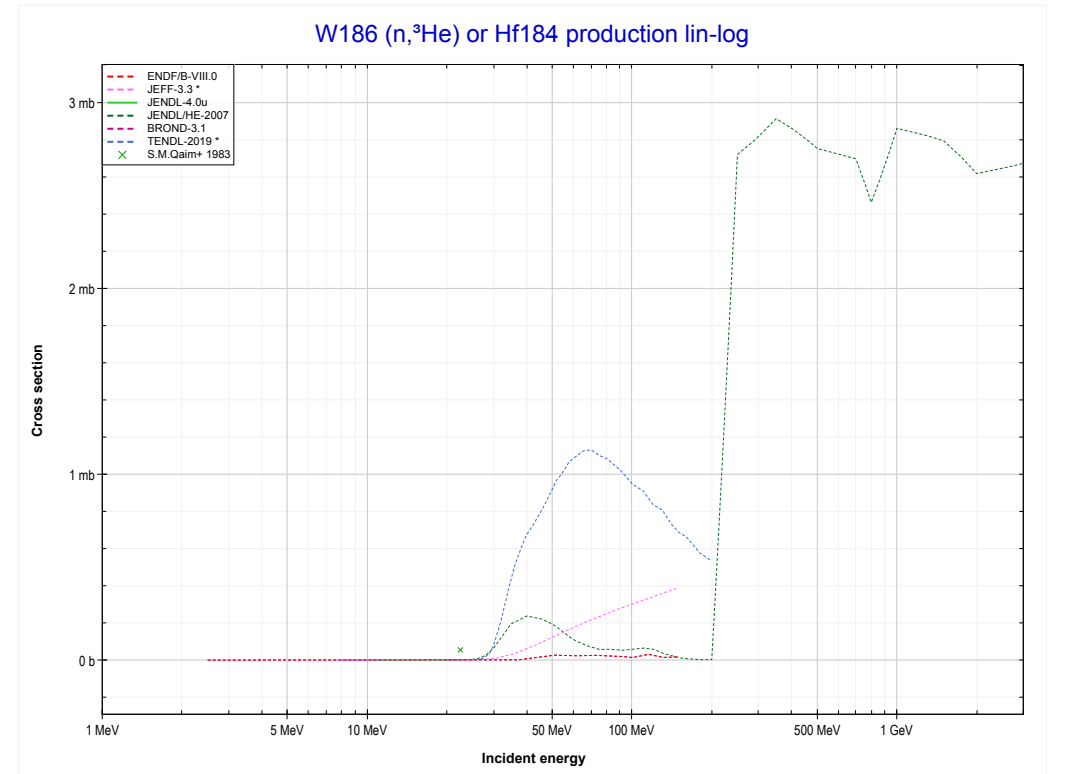
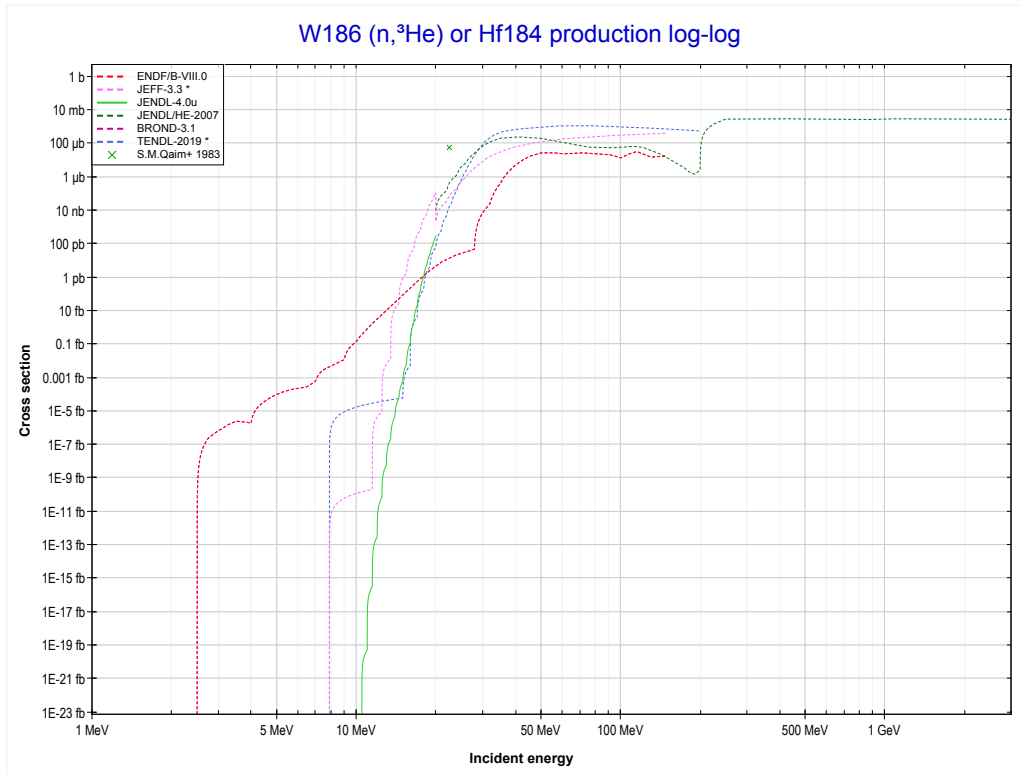
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.52502E-7 b | 0.00125348 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.85933E-7 b | 0.0011177 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.25148E-7 b | 0.0011824 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.97326E-7 b | 0.00118179 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67373E-6 b | 0.00312873 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 4.85933E-7 b | 0.0011177 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.86909E-7 b | 0.00112488 b |

| | | |
|----------------|--|-------------------------------|
| << 74-W-184 | 74-W-186 | 76-Os-190 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Ta185 production) | MT106 (n, ³ He) >> |



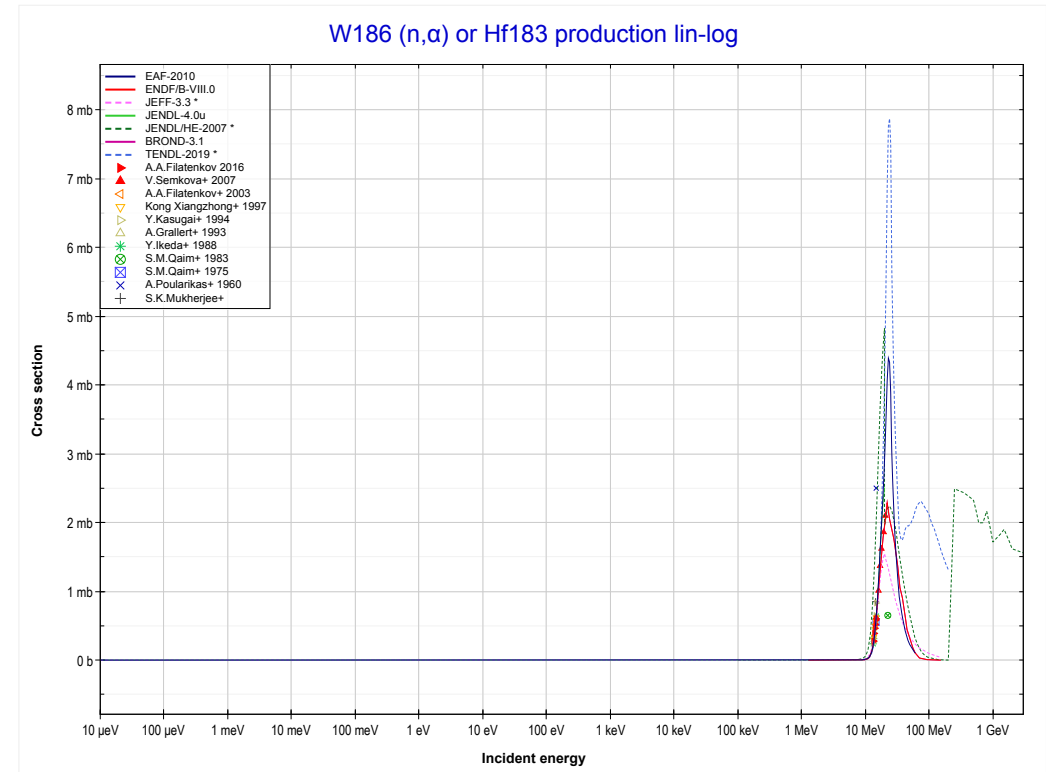
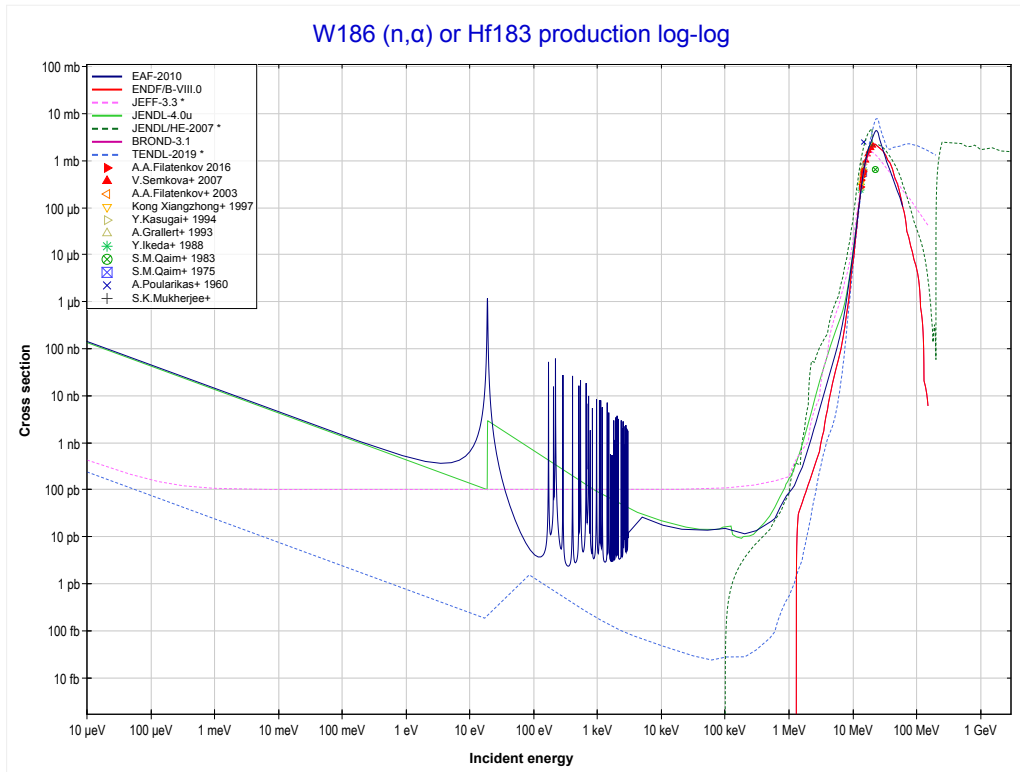
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.1744E-8 b | 1.26827E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.55016E-8 b | 9.31586E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.70677E-8 b | 6.22377E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.21978E-8 b | 1.14437E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.37522E-8 b | 2.31525E-5 b |

| | | |
|----------------|---|----------------|
| << 73-Ta-181 | 74-W-186 | 75-Re-187 >> |
| << MT104 (n,d) | MT106 (n,³He) or MT5 (Hf184 production) | MT107 (n,α) >> |



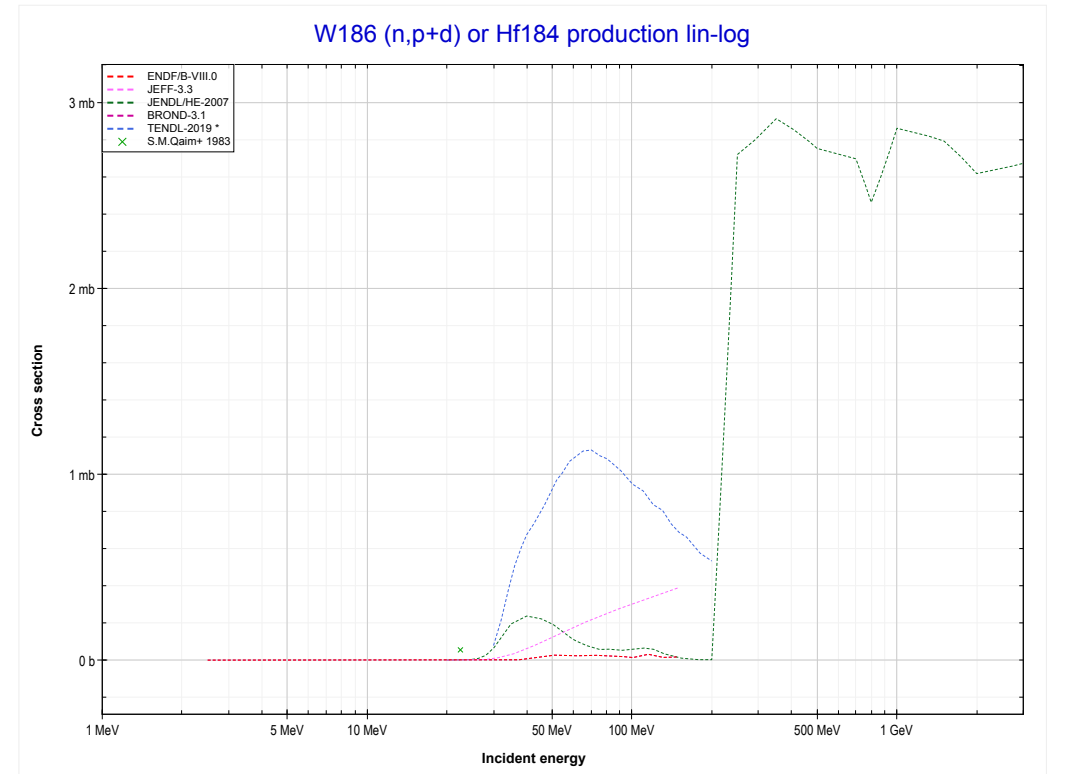
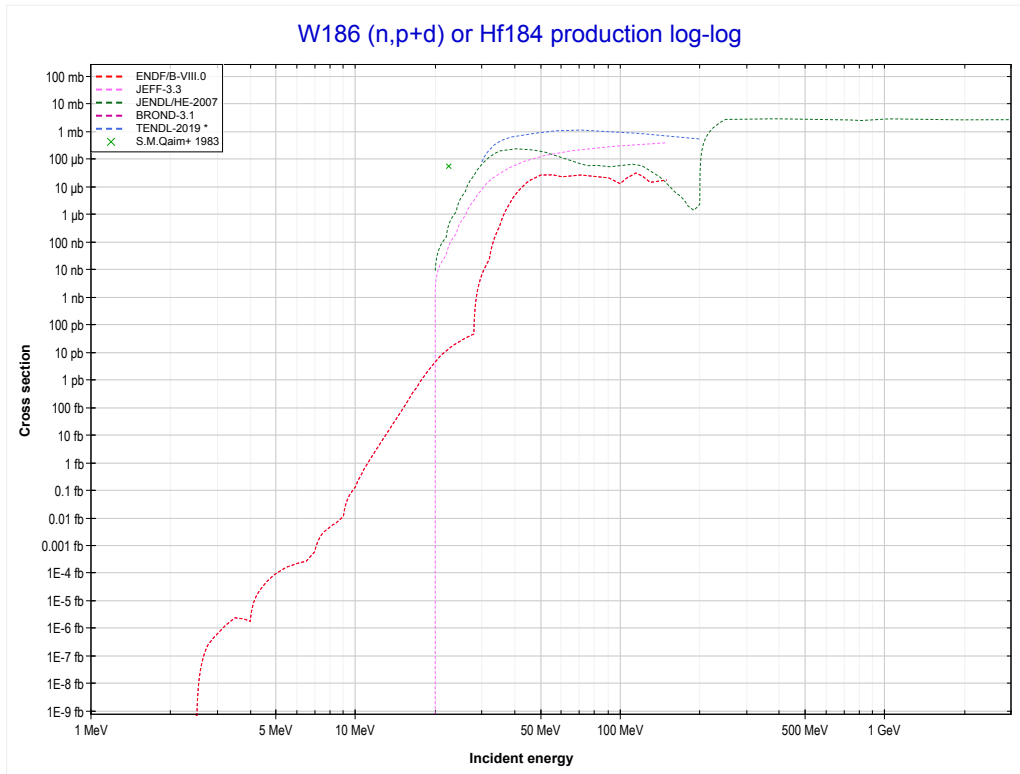
| Reaction | Q-Value |
|-------------------|---------------|
| W186(n,He3)Hf184 | -7868.40 keV |
| W186(n,p+d)Hf184 | -13361.88 keV |
| W186(n,n+2p)Hf184 | -15586.44 keV |

| | | |
|-------------------------------|--|------------------|
| << 74-W-184 | 74-W-186 | 75-Re-185 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Hf183 production) | MT115 (n,p+d) >> |



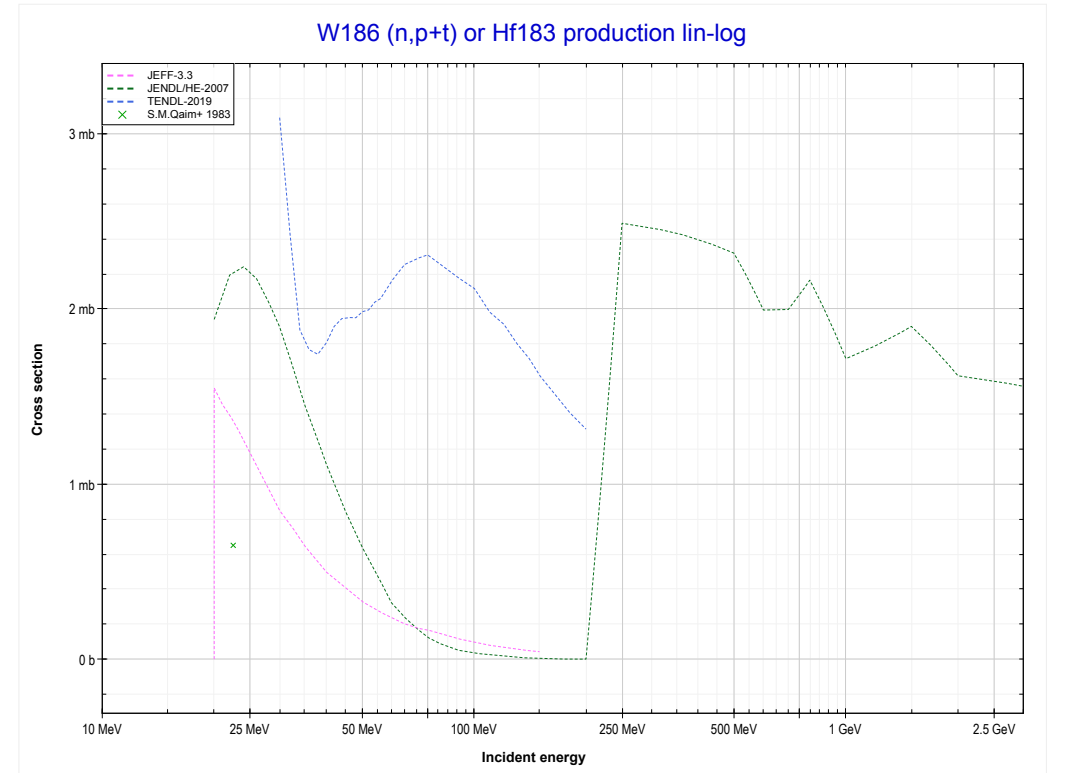
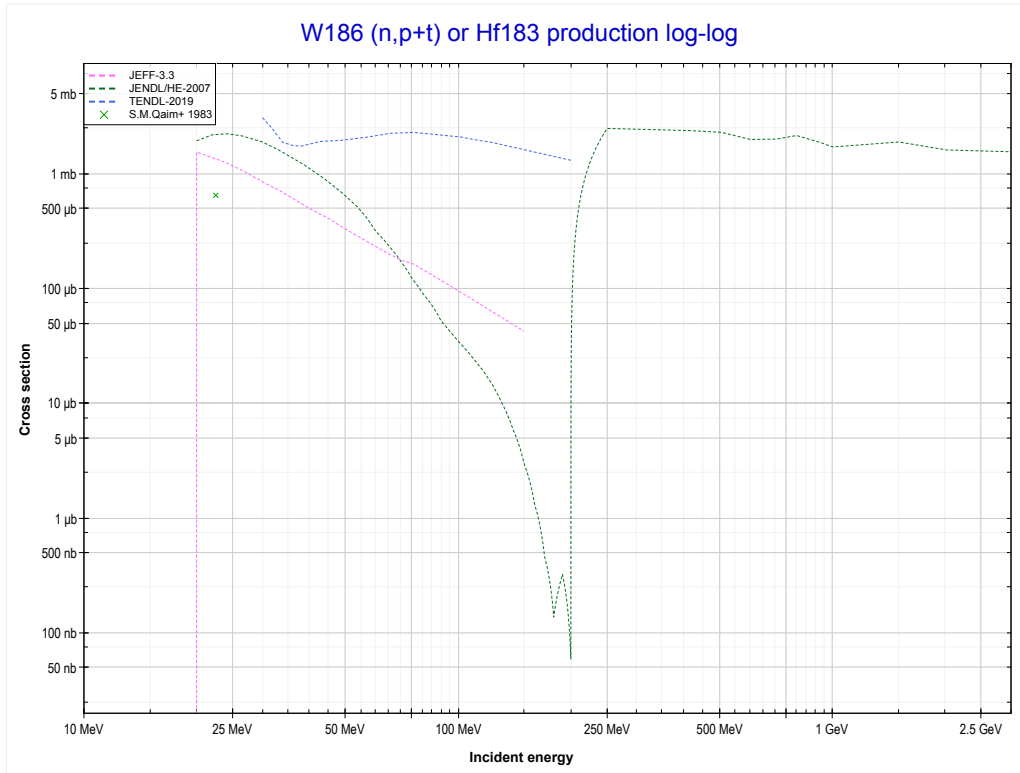
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.8539E-9 b | 2.85178E-9 b | 2.8549E-9 b | 1.00112 | 3.94715E-8 b | 2.30722E-7 b | 3.75074E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.04576E-7 b | 4.12193E-4 b |
| JEFF-3.3 | 1.00271E-10 b | 1.00271E-10 b | 1.1314E-10 b | 1.12838 | 1.22962E-9 b | 3.44626E-7 b | 4.06219E-4 b |
| JENDL-4.0u | 2.68573E-9 b | 2.68573E-9 b | 2.6869E-9 b | 1.00042 | 4.44027E-9 b | 2.60471E-7 b | 3.77479E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.05508E-6 b | 0.00143434 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.04576E-7 b | 4.12193E-4 b |
| TENDL-2019 | 4.7745E-12 b | 4.7745E-12 b | 4.7726E-12 b | 0.99959 | 4.66184E-12 b | 1.7995E-7 b | 3.0082E-4 b |

| | | |
|-------------------------|--|------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Hf184 production) | MT116 (n,p+t) >> |



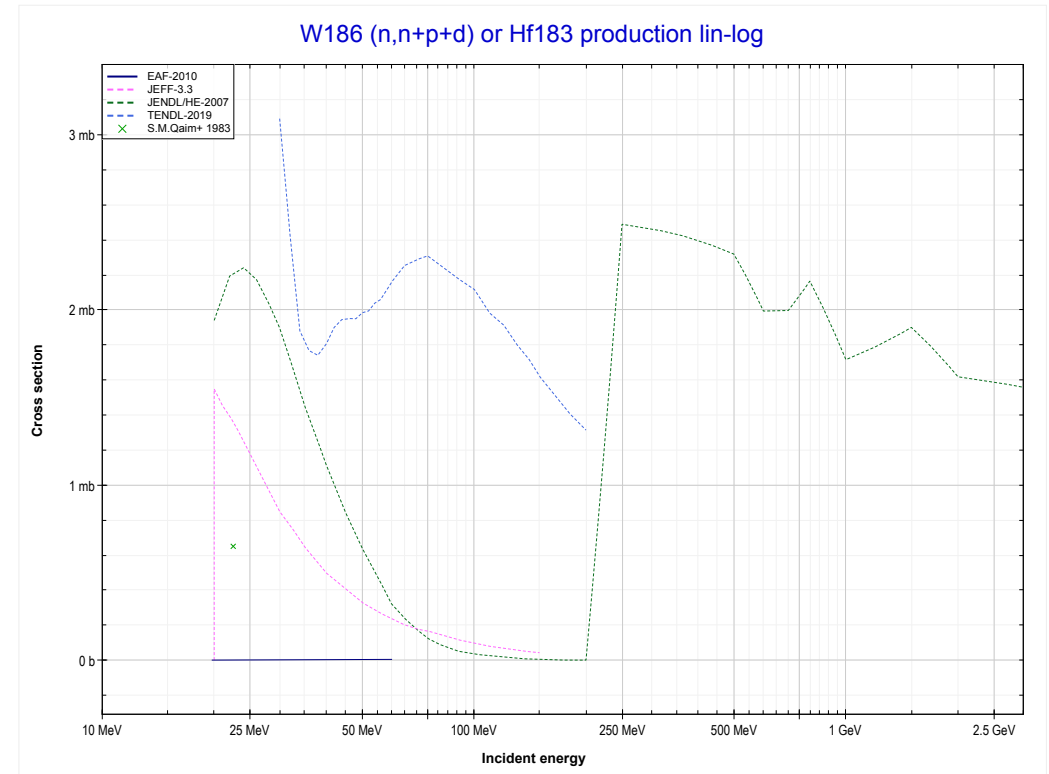
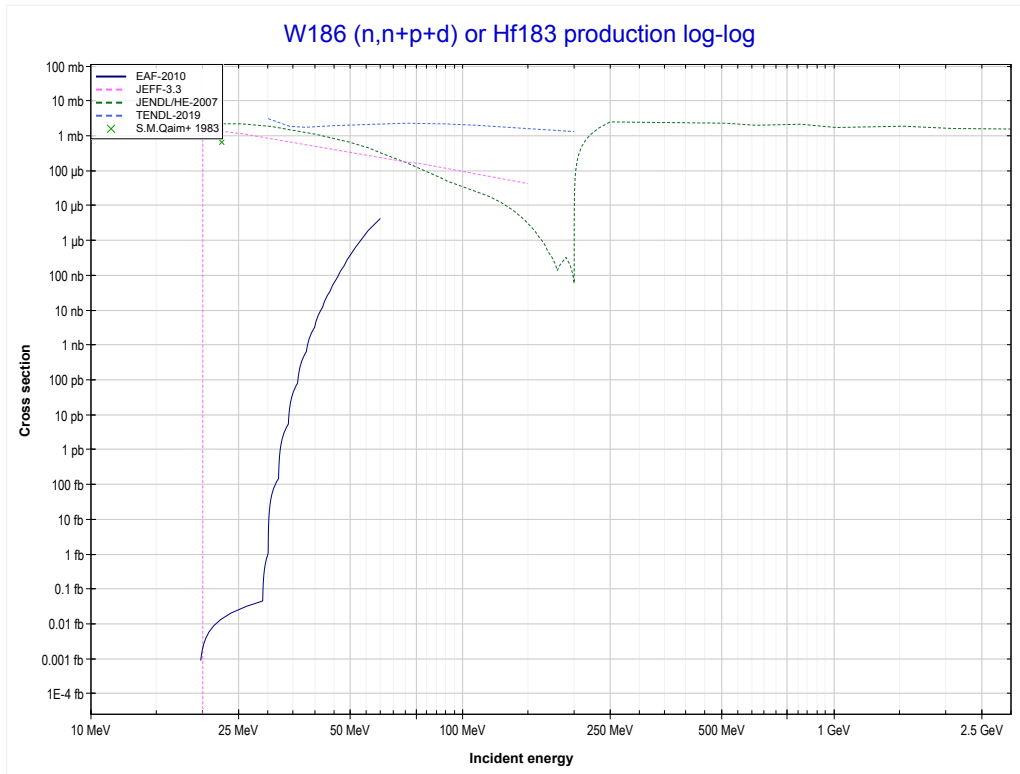
| Reaction | Q-Value |
|-------------------|---------------|
| W186(n,He3)Hf184 | -7868.40 keV |
| W186(n,p+d)Hf184 | -13361.88 keV |
| W186(n,n+2p)Hf184 | -15586.44 keV |

| | | |
|------------------|--|--------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Hf183 production) | MT183 (n,n+p+d) >> |



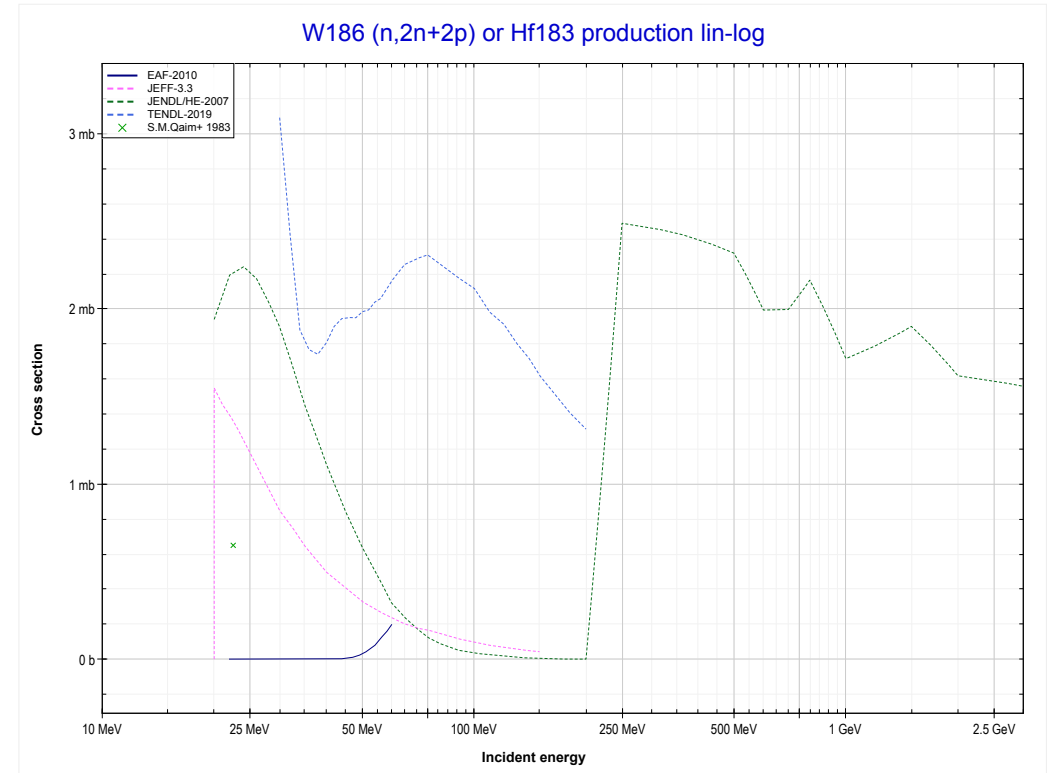
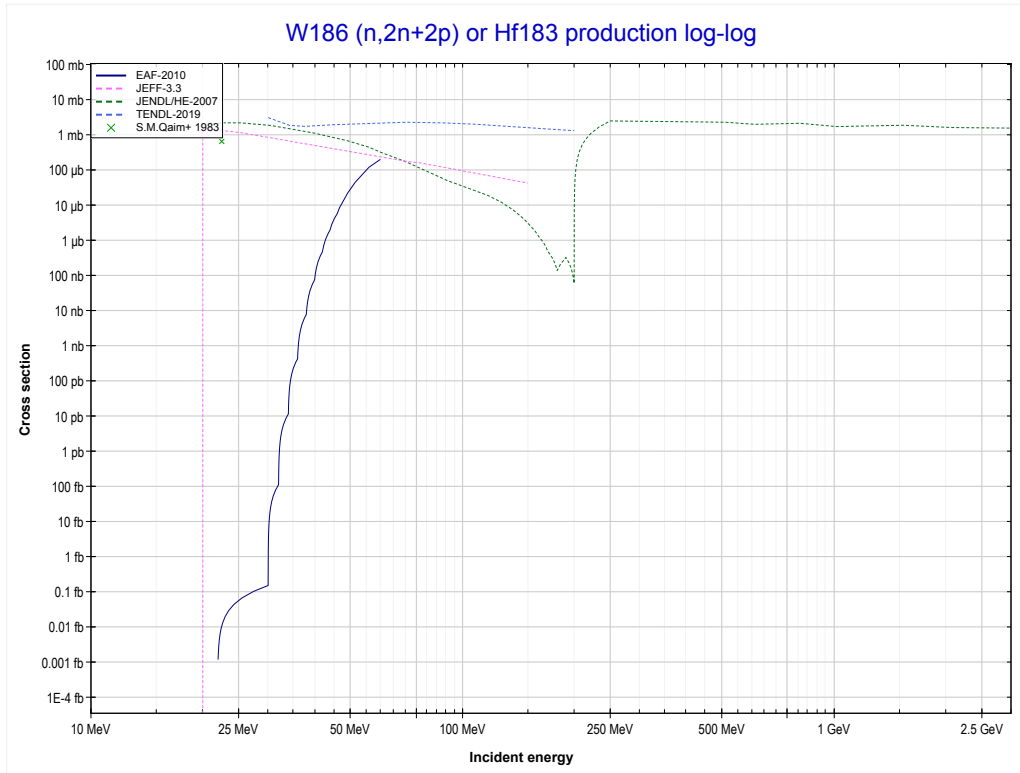
| Reaction | Q-Value |
|-------------------------|---------------|
| W186(n, α)Hf183 | 6417.90 keV |
| W186(n,p+t)Hf183 | -13395.96 keV |
| W186(n,n+He3)Hf183 | -14159.72 keV |
| W186(n,2d)Hf183 | -17428.63 keV |
| W186(n,n+p+d)Hf183 | -19653.19 keV |
| W186(n,2n+2p)Hf183 | -21877.76 keV |

| | | |
|------------------|--|--------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT116 (n,p+t) | MT183 (n,n+p+d) or MT5 (Hf183 production) | MT190 (n,2n+2p) >> |



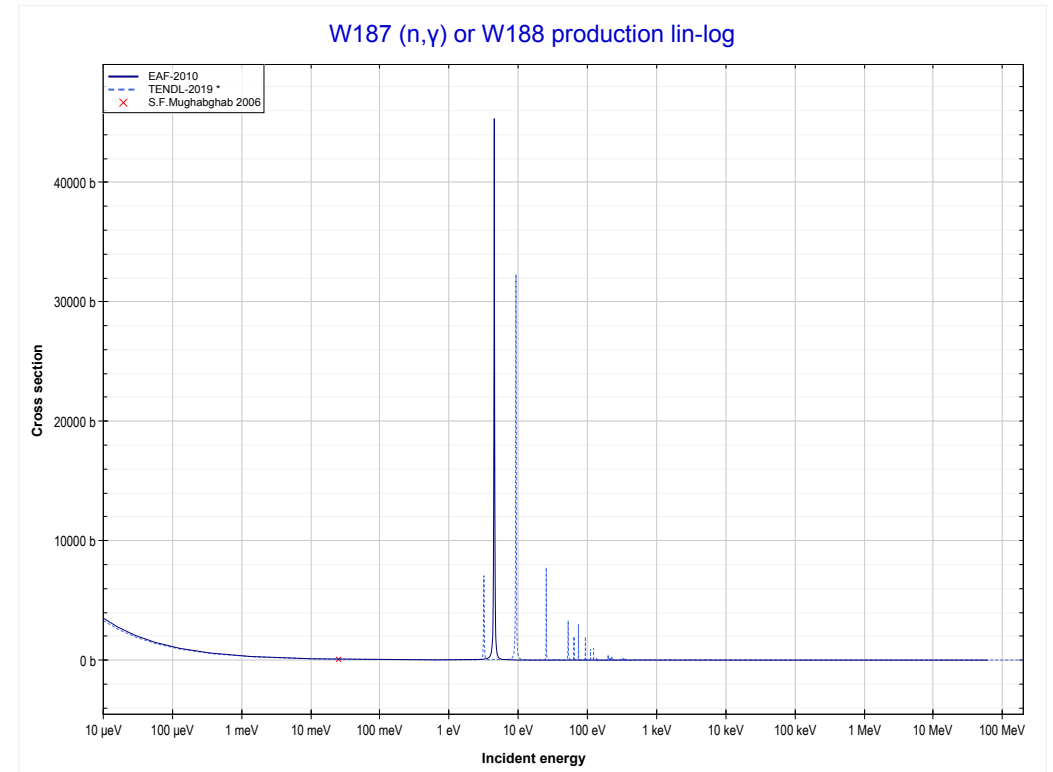
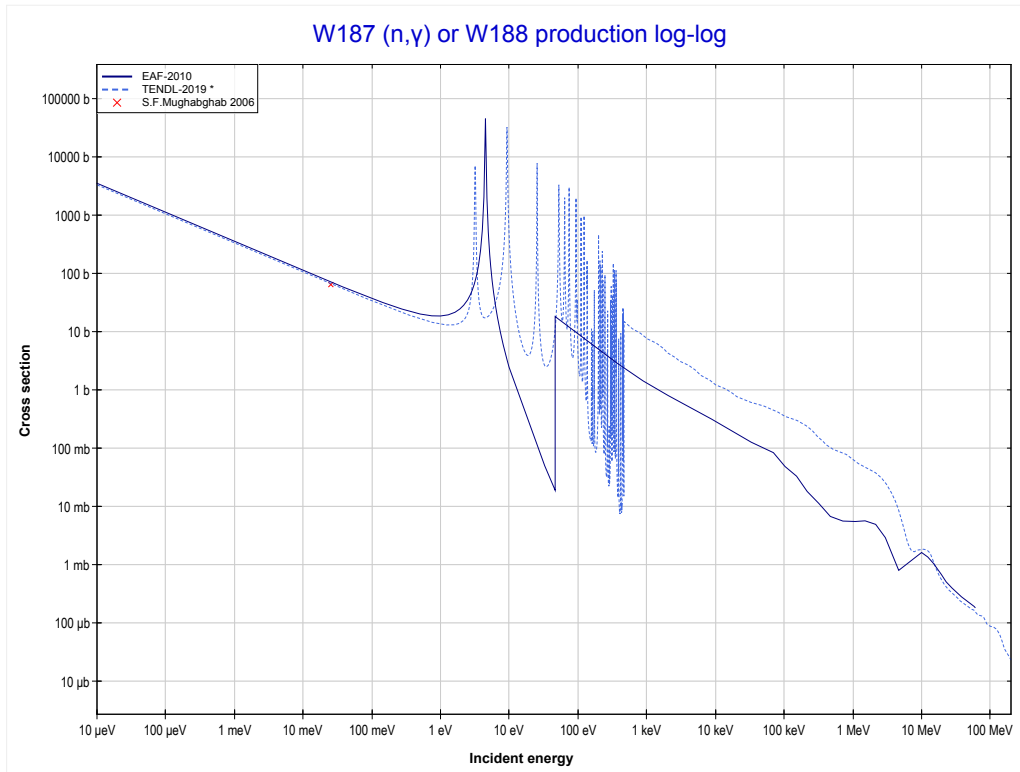
| Reaction | Q-Value |
|-------------------------|---------------|
| W186(n, α)Hf183 | 6417.90 keV |
| W186(n,p+t)Hf183 | -13395.96 keV |
| W186(n,n+He3)Hf183 | -14159.72 keV |
| W186(n,2d)Hf183 | -17428.63 keV |
| W186(n,n+p+d)Hf183 | -19653.19 keV |
| W186(n,2n+2p)Hf183 | -21877.76 keV |

| | | |
|--------------------|--|----------------------------------|
| << 70-Yb-174 | 74-W-186 | 79-Au-197 >> |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Hf183 production) | 74-W-187 MT102 (n, γ) >> |



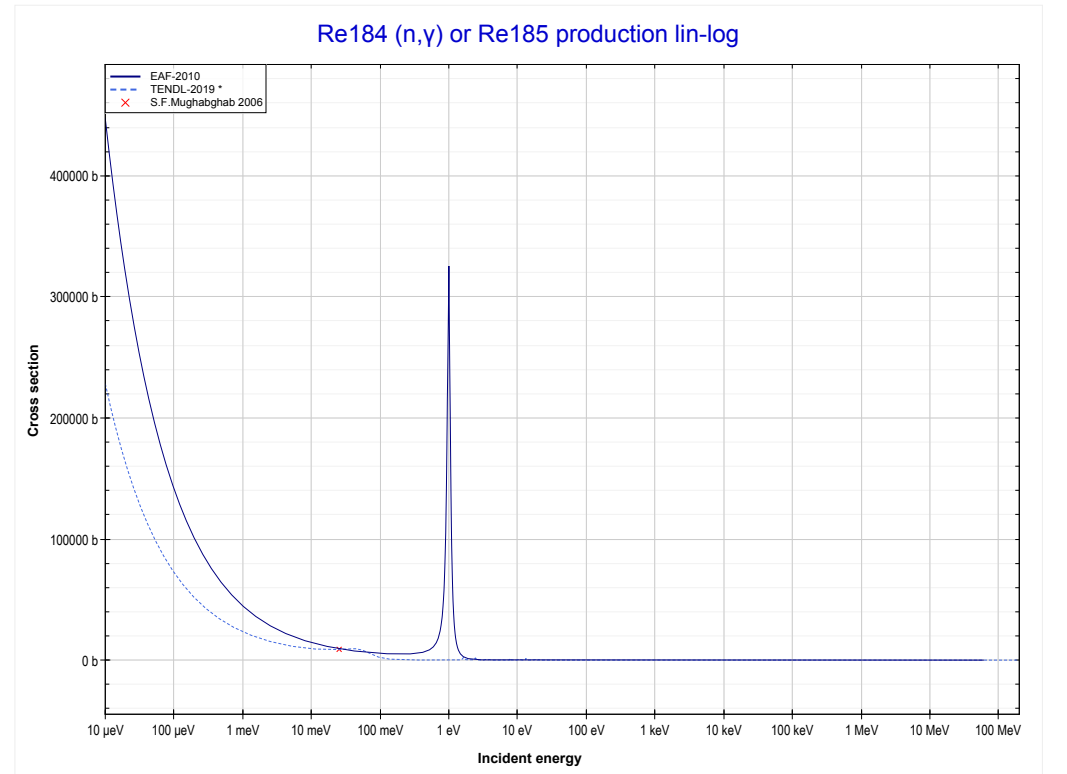
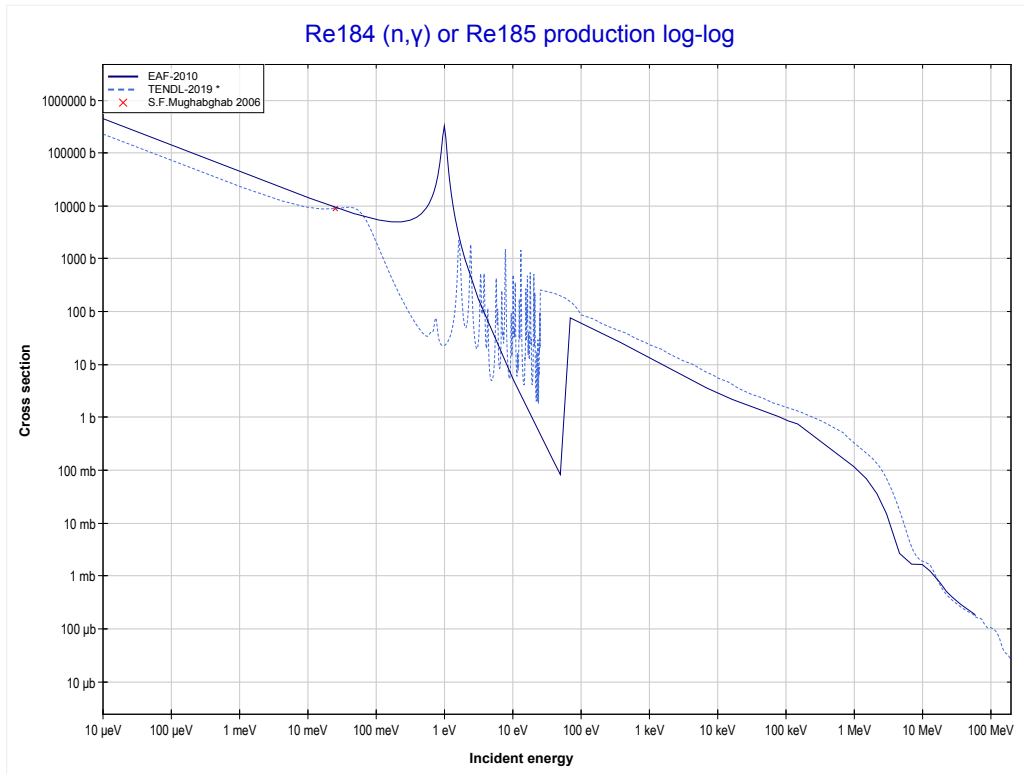
| Reaction | Q-Value |
|-------------------------|---------------|
| W186(n, α)Hf183 | 6417.90 keV |
| W186(n,p+t)Hf183 | -13395.96 keV |
| W186(n,n+He3)Hf183 | -14159.72 keV |
| W186(n,2d)Hf183 | -17428.63 keV |
| W186(n,n+p+d)Hf183 | -19653.19 keV |
| W186(n,2n+2p)Hf183 | -21877.76 keV |

| | | |
|-----------------------------|---|-----------------------------------|
| << 74-W-186 | 74-W-187 | 75-Re-184 >> |
| << 74-W-186 MT190 (n,2n+2p) | MT102 (n,γ) or MT5 (W188 production) | 75-Re-184 MT102 (n, γ) >> |



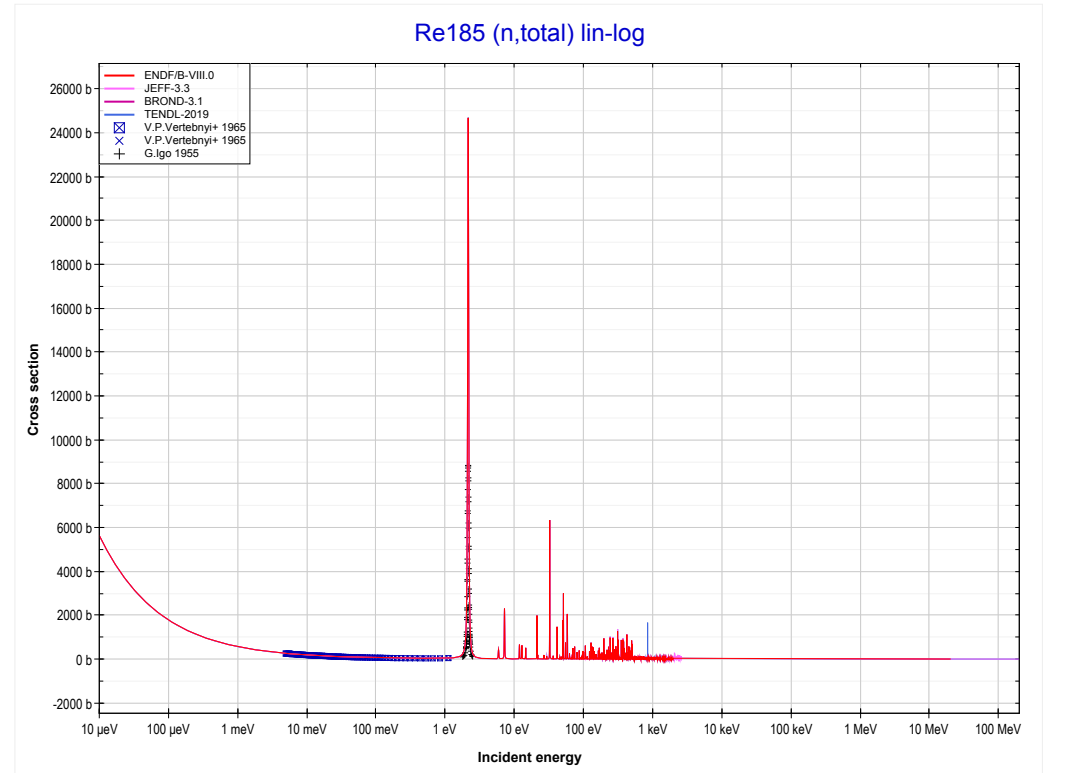
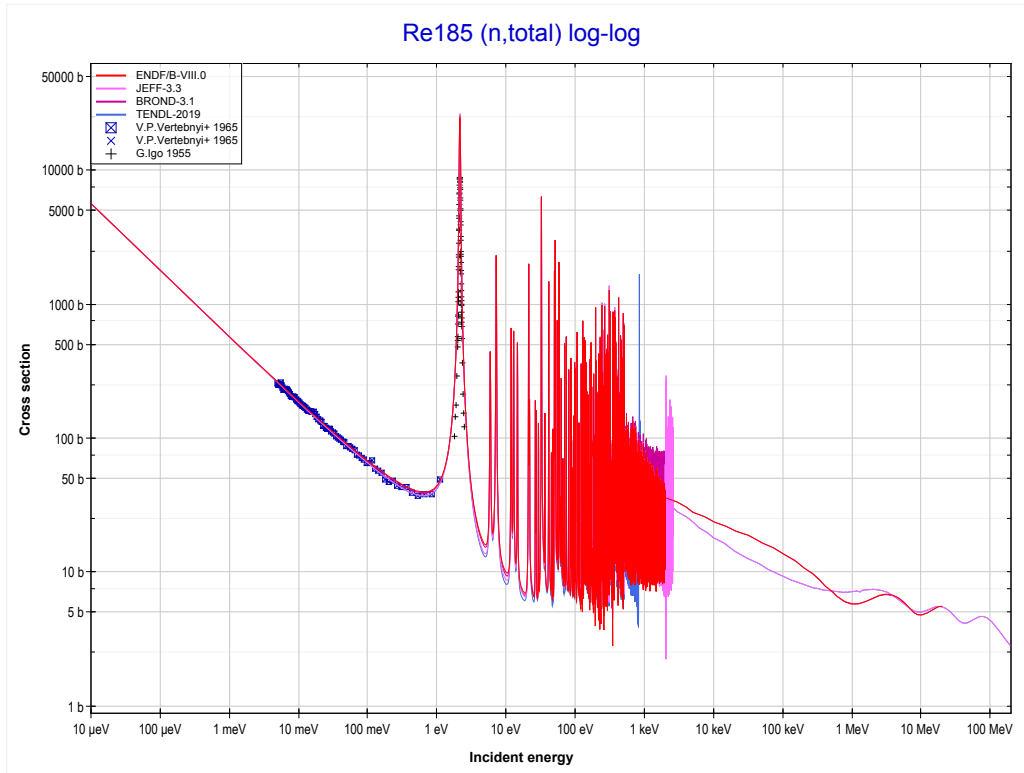
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 70.86 b | 70.8077 b | 71.278 b | 1.00665 | 1652.12 b | 0.00699855 b | 0.00114 b |
| TENDL-2019 | 66.0043 b | 66.0043 b | 66.191 b | 1.00283 | 1593.38 b | 0.0665908 b | 0.00136078 b |

| | | |
|-------------------------|--|----------------------------|
| << 74-W-187 | 75-Re-184 | 75-Re-185 >> |
| << 74-W-187 MT102 (n,y) | MT102 (n,y) or MT5 (Re185 production) | 75-Re-185 MT1 (n,total) >> |



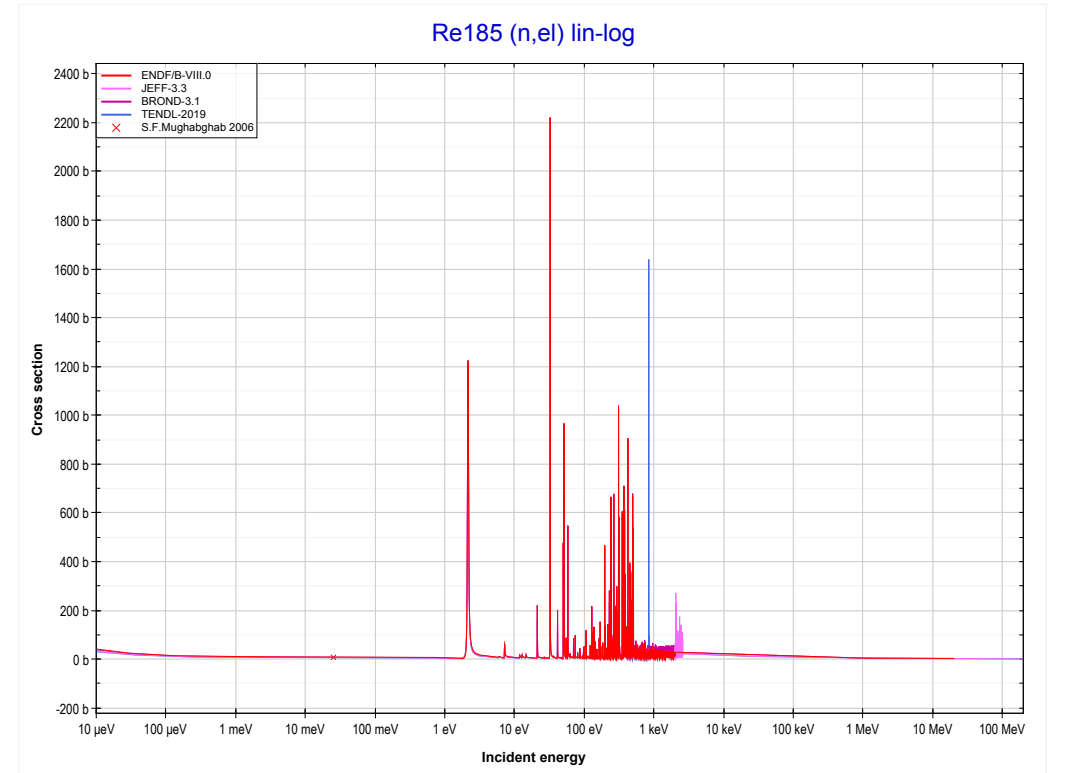
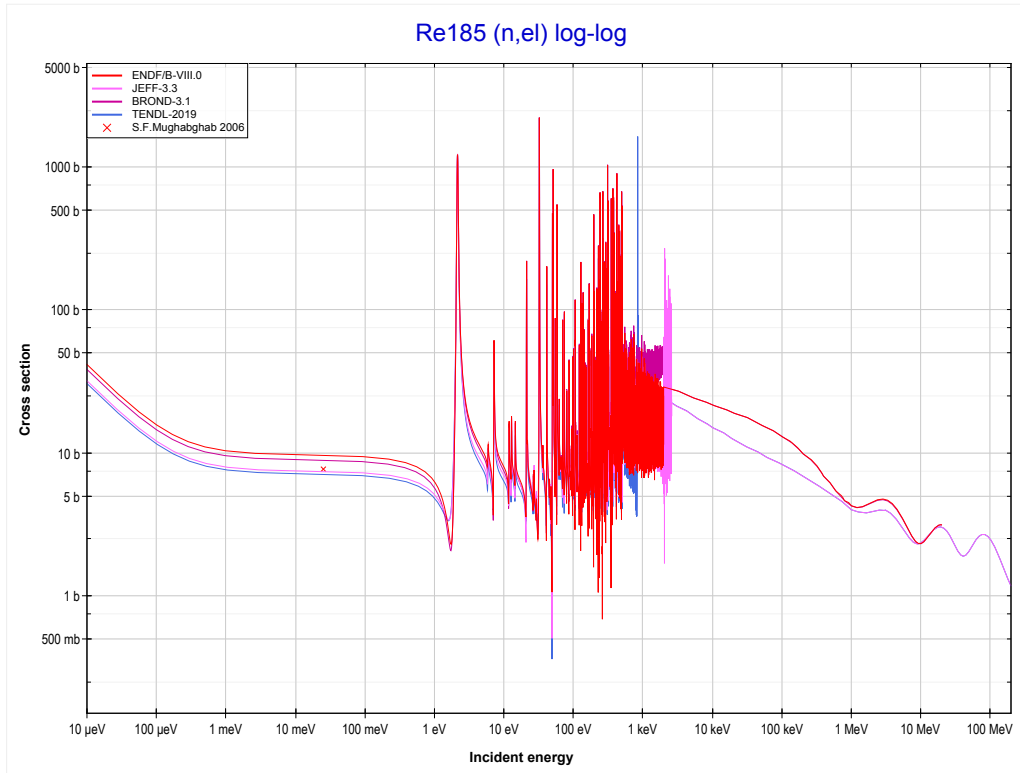
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 9397.67 b | 9391.16 b | 9662.9 b | 1.02899 | 64014.1 b | 0.12759 b | 0.00113 b |
| TENDL-2019 | 8894.97 b | 8894.97 b | 8413.5 b | 0.94587 | 982.606 b | 0.327137 b | 0.00139809 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 74-W-186 | 75-Re-185 | 75-Re-187 >> |
| << 75-Re-184 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



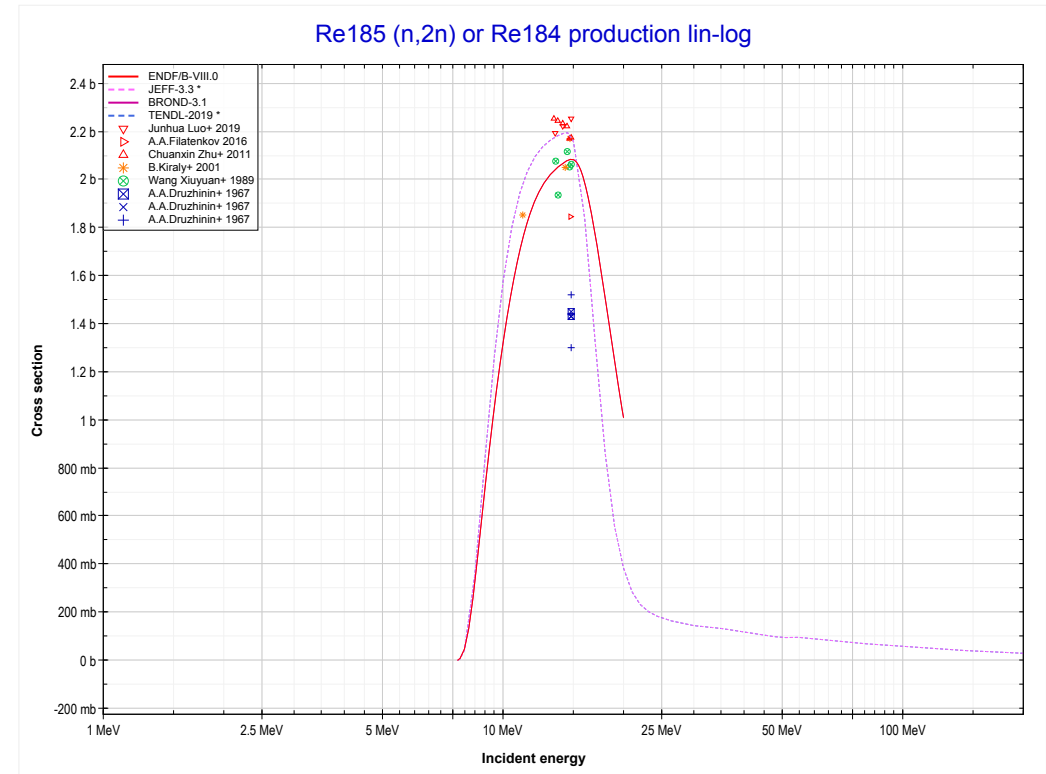
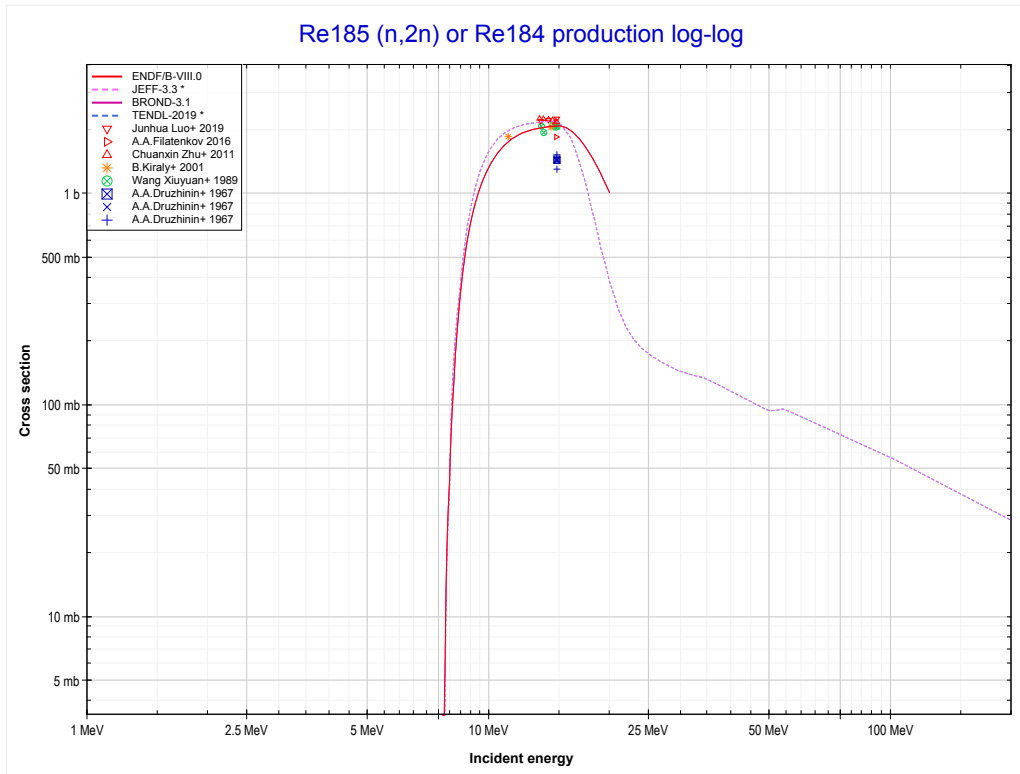
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 121.809 b | 121.809 b | 123.54 b | 1.01423 | 2041.31 b | 6.80559 b | 5.1329 b |
| JEFF-3.3 | 119.454 b | 119.454 b | 120.82 b | 1.01147 | 2014.46 b | 7.17068 b | 5.33909 b |
| BROND-3.1 | 121.068 b | 121.068 b | 122.71 b | 1.01356 | 2071.6 b | 6.76936 b | 5.1289 b |
| TENDL-2019 | 119.165 b | 119.165 b | 120.46 b | 1.01083 | 2019.54 b | 7.17119 b | 5.33909 b |

| | | |
|------------------|------------------------|----------------|
| << 74-W-186 | 75-Re-185 | 75-Re-187 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



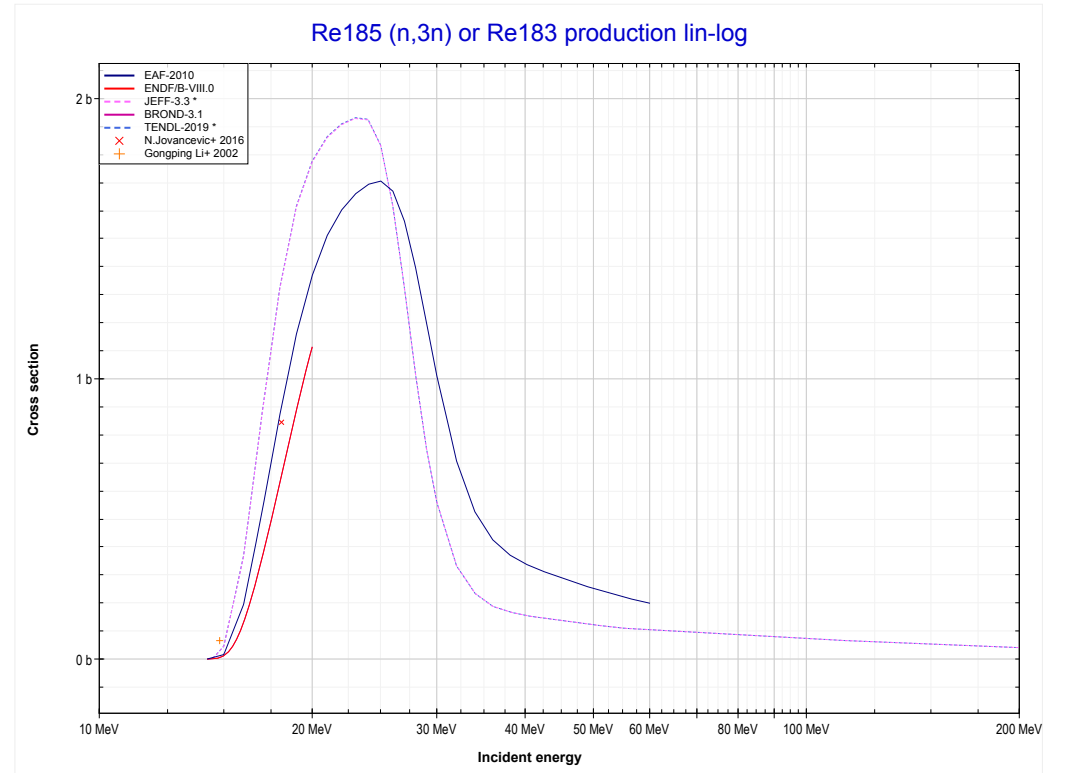
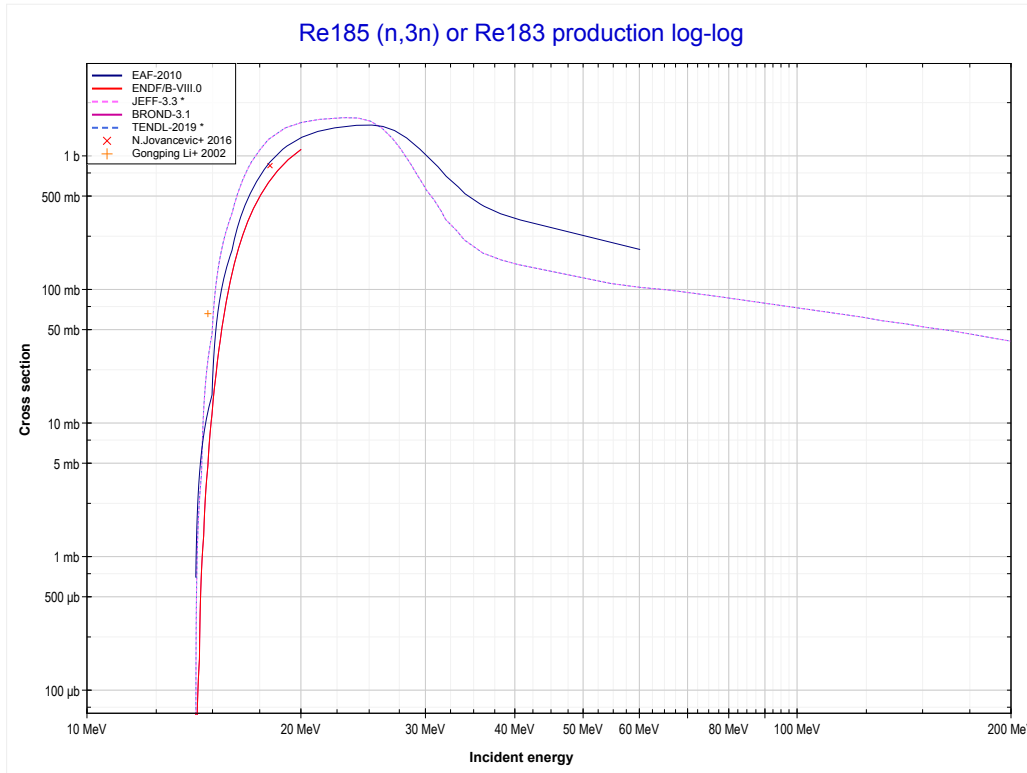
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.63228 b | 9.63228 b | 10.788 b | 1.11997 | 310.824 b | 5.10904 b | 2.7501 b |
| JEFF-3.3 | 7.41067 b | 7.41067 b | 8.3027 b | 1.12037 | 278.993 b | 4.28054 b | 2.76608 b |
| BROND-3.1 | 8.89171 b | 8.89171 b | 9.9555 b | 1.11964 | 334.19 b | 5.07267 b | 2.7461 b |
| TENDL-2019 | 7.08636 b | 7.08636 b | 7.936 b | 1.1199 | 283.169 b | 4.28252 b | 2.76608 b |

| | | |
|--------------------|--|----------------|
| << 74-W-186 | 75-Re-185 | 75-Re-187 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Re184 production) | MT17 (n,3n) >> |



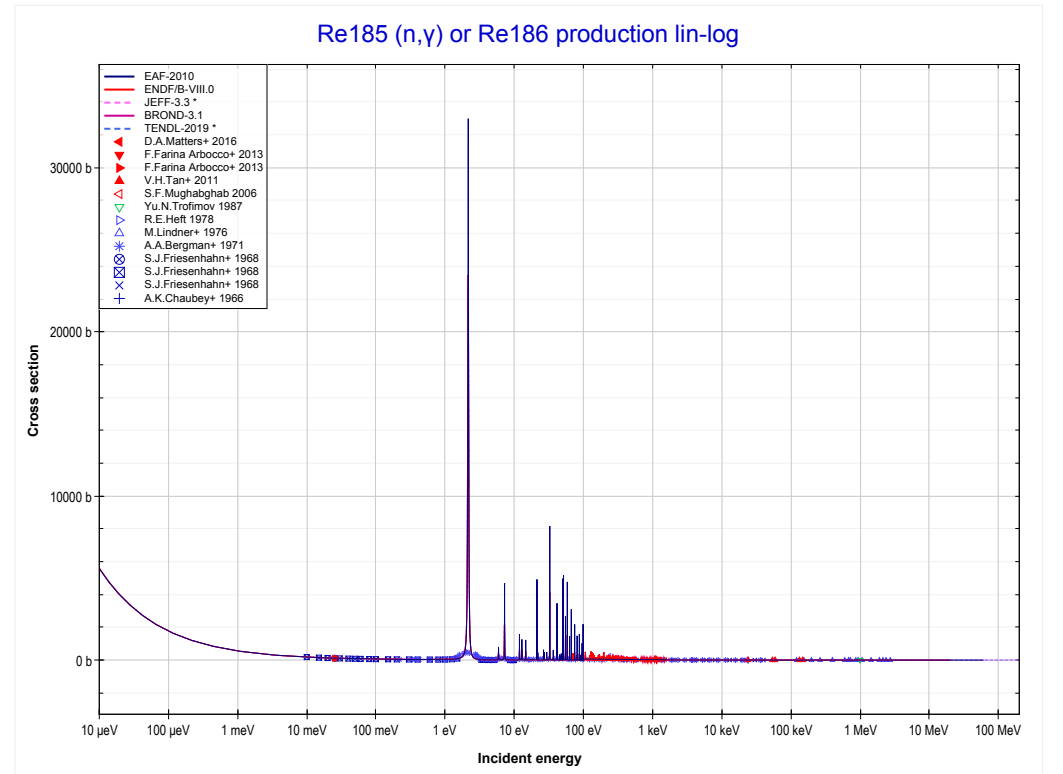
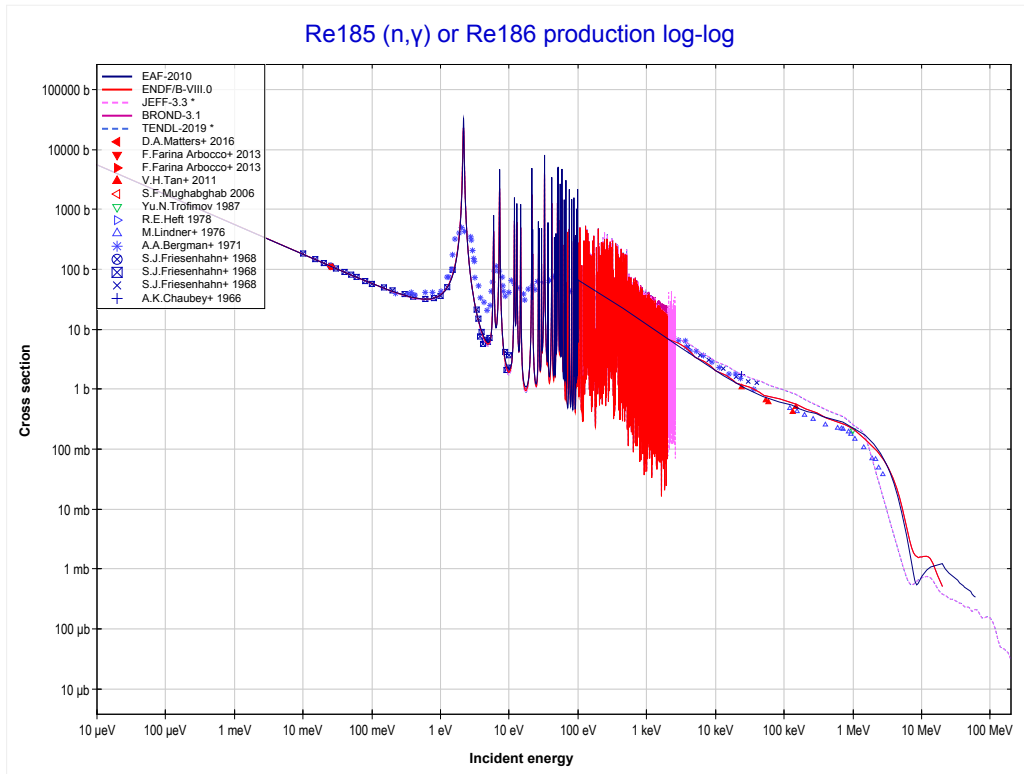
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00658471 b | 2.06343 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00753731 b | 2.18951 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00658471 b | 2.06343 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00754863 b | 2.19 b |

| | | |
|----------------|--|-------------------------|
| << 74-W-186 | 75-Re-185 | 76-Os-192 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Re183 production) | MT102 (n, γ) >> |



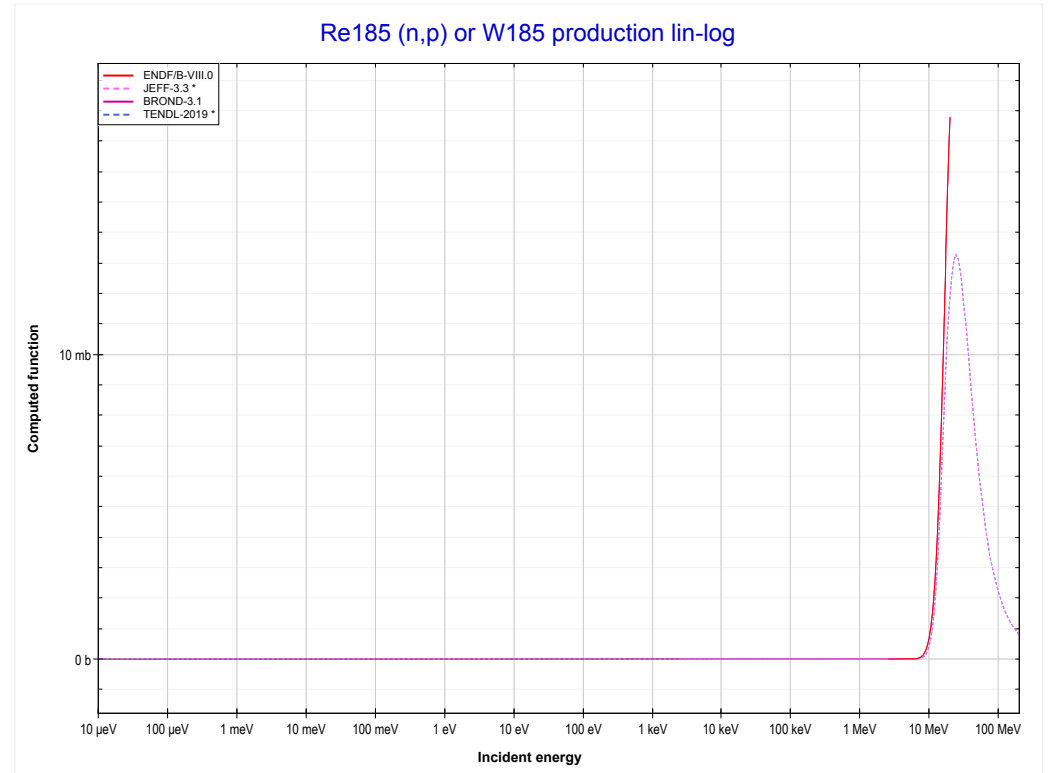
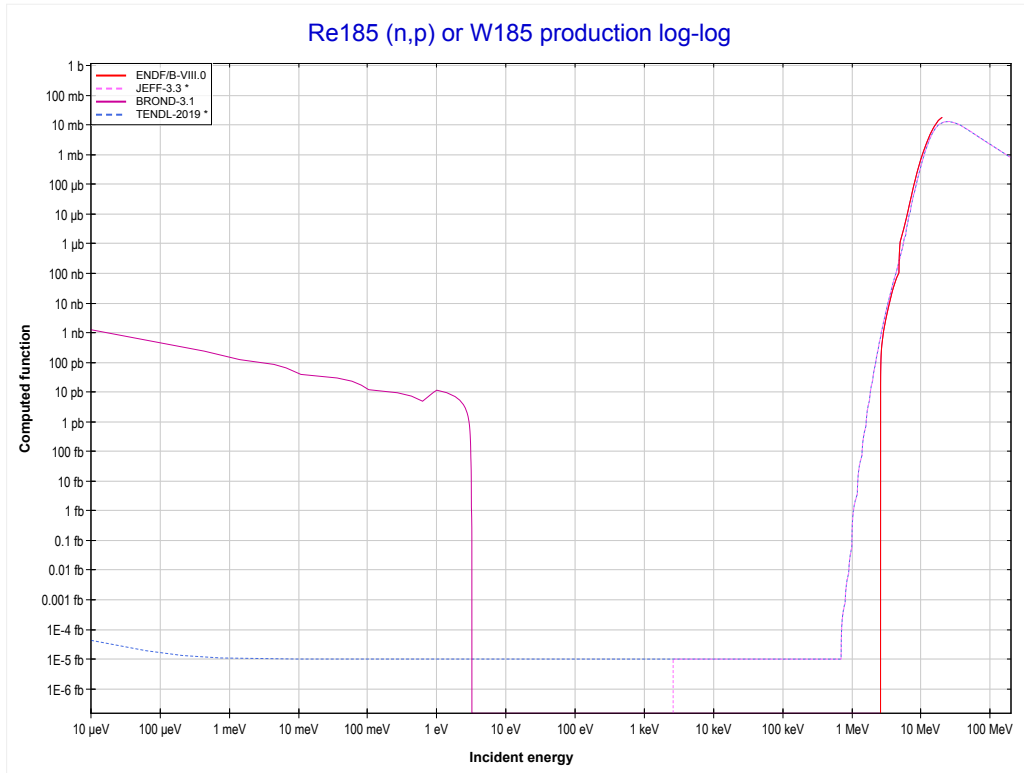
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87728E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.28084E-5 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.0671E-5 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.28084E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.08511E-5 b | 0 b |

| | | |
|----------------|--|----------------|
| << 75-Re-184 | 75-Re-185 | 75-Re-187 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (Re186 production) | MT103 (n,p) >> |



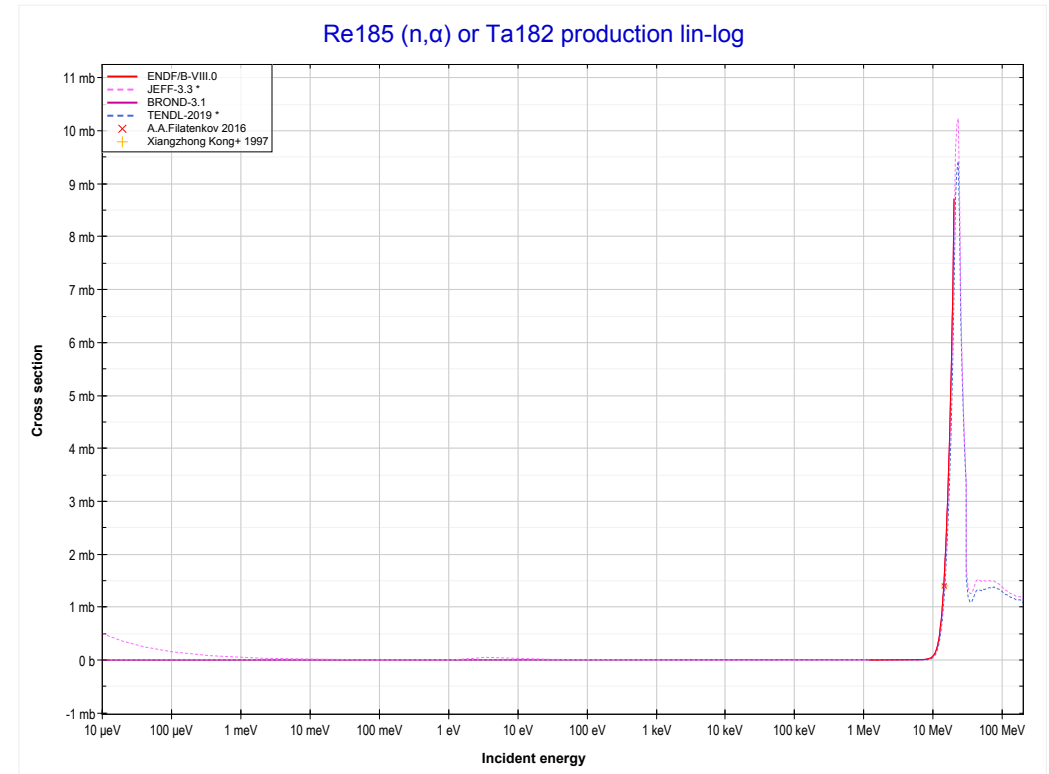
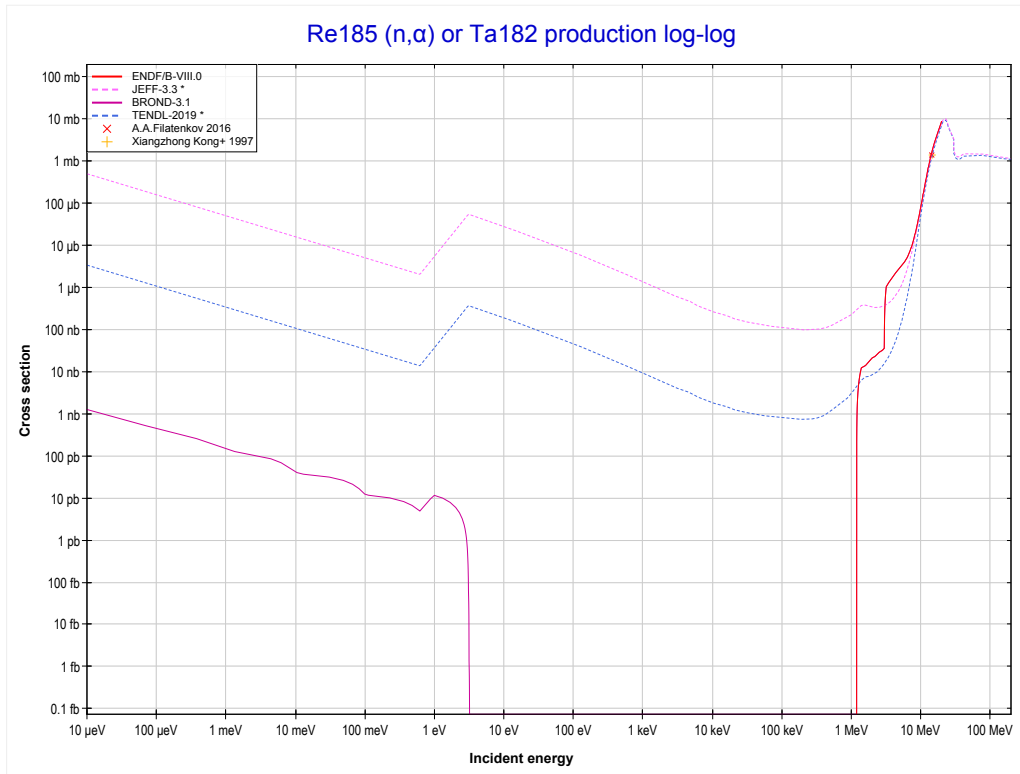
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 112.26 b | 112.177 b | 112.64 b | 1.00413 | 1707.97 b | 0.18065 b | 0.0011 b |
| ENDF/B-VIII.0 | 112.176 b | 112.176 b | 112.75 b | 1.00515 | 1730.49 b | 0.176369 b | 0.00137114 b |
| JEFF-3.3 | 112.043 b | 112.043 b | 112.52 b | 1.00426 | 1735.47 b | 0.204798 b | 6.88052E-4 b |
| BROND-3.1 | 112.177 b | 112.177 b | 112.75 b | 1.00515 | 1737.41 b | 0.176516 b | 0.00137114 b |
| TENDL-2019 | 112.078 b | 112.078 b | 112.52 b | 1.00393 | 1736.37 b | 0.201777 b | 6.86509E-4 b |

| | | |
|-------------------------|---|-------------------------|
| << 74-W-186 | 75-Re-185 | 75-Re-187 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (W185 production) | MT107 (n, α) >> |



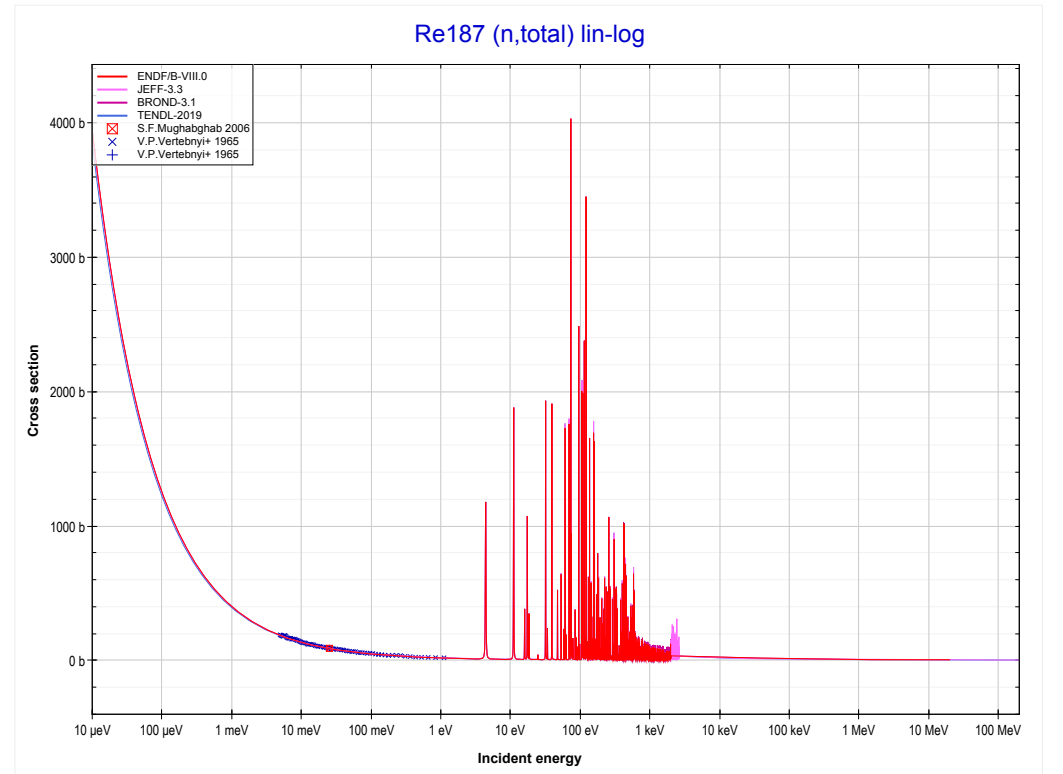
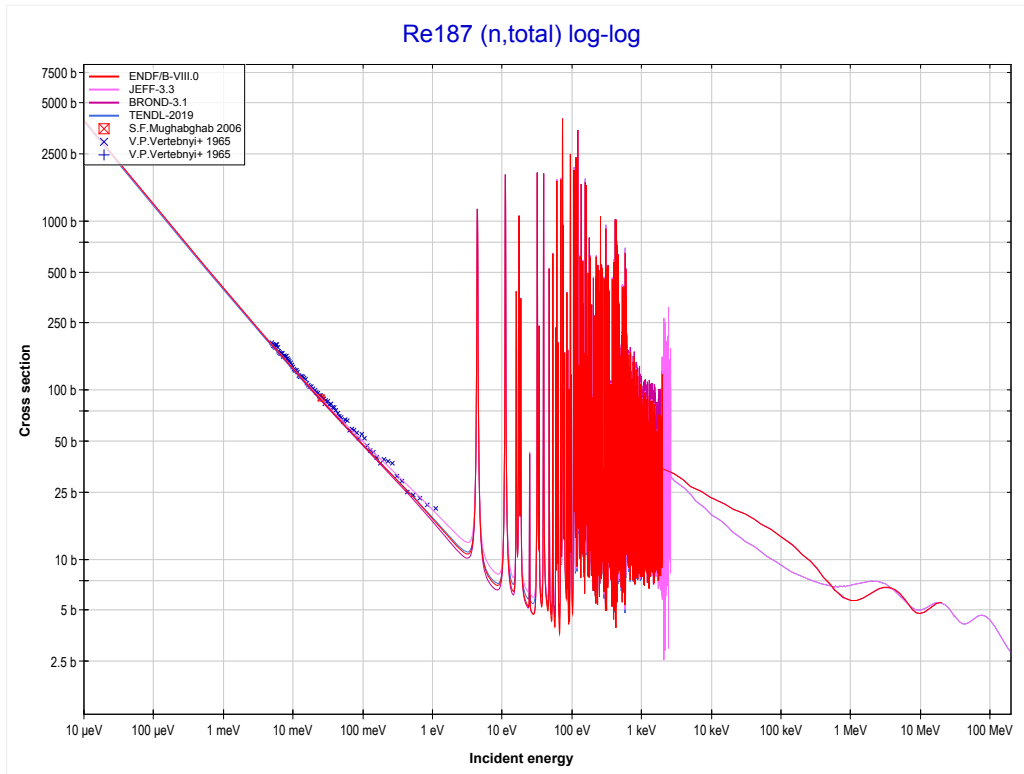
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.61868E-6 b | 0.00567668 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.646E-20 b | 4.2125E-6 b | 0.00431148 b |
| BROND-3.1 | 3.2988E-11 b | 3.2988E-11 b | 3.2202E-11 b | 0.97617 | 1.28773E-11 b | 6.61868E-6 b | 0.00567668 b |
| TENDL-2019 | 1.0027E-20 b | 1.0027E-20 b | 1.1315E-20 b | 1.12846 | 1.22085E-19 b | 4.21598E-6 b | 0.00431394 b |

| | | |
|----------------|--|----------------------------|
| << 74-W-186 | 75-Re-185 | 75-Re-187 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Ta182 production) | 75-Re-187 MT1 (n,total) >> |



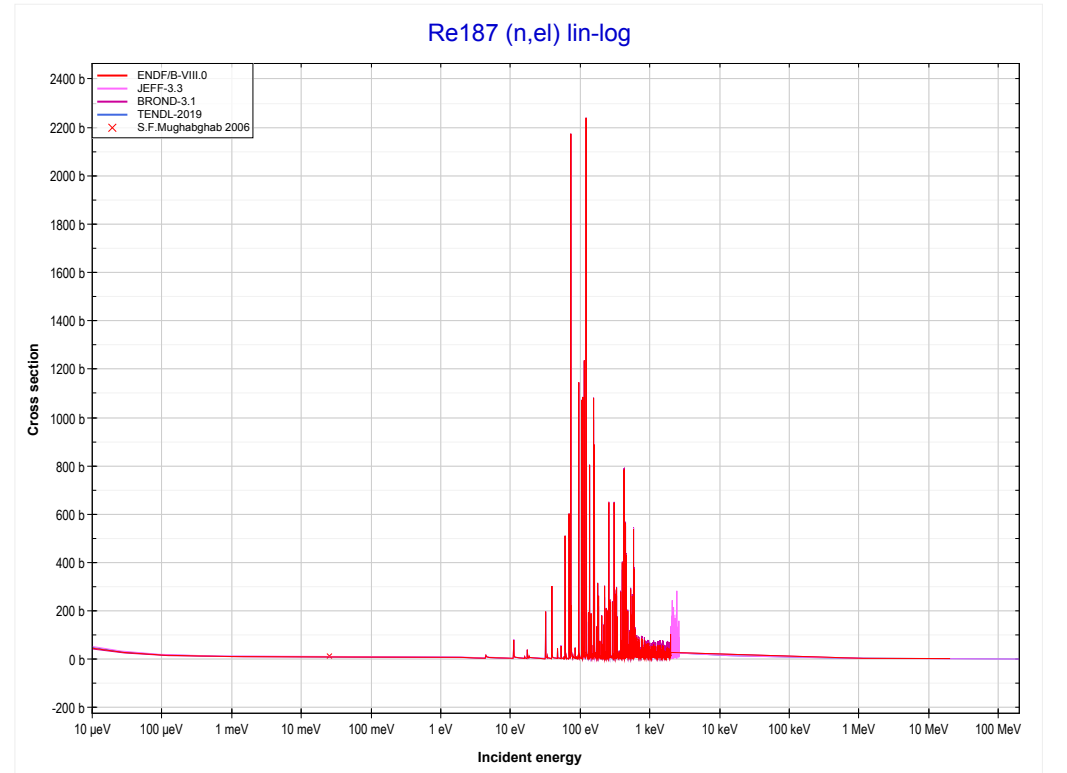
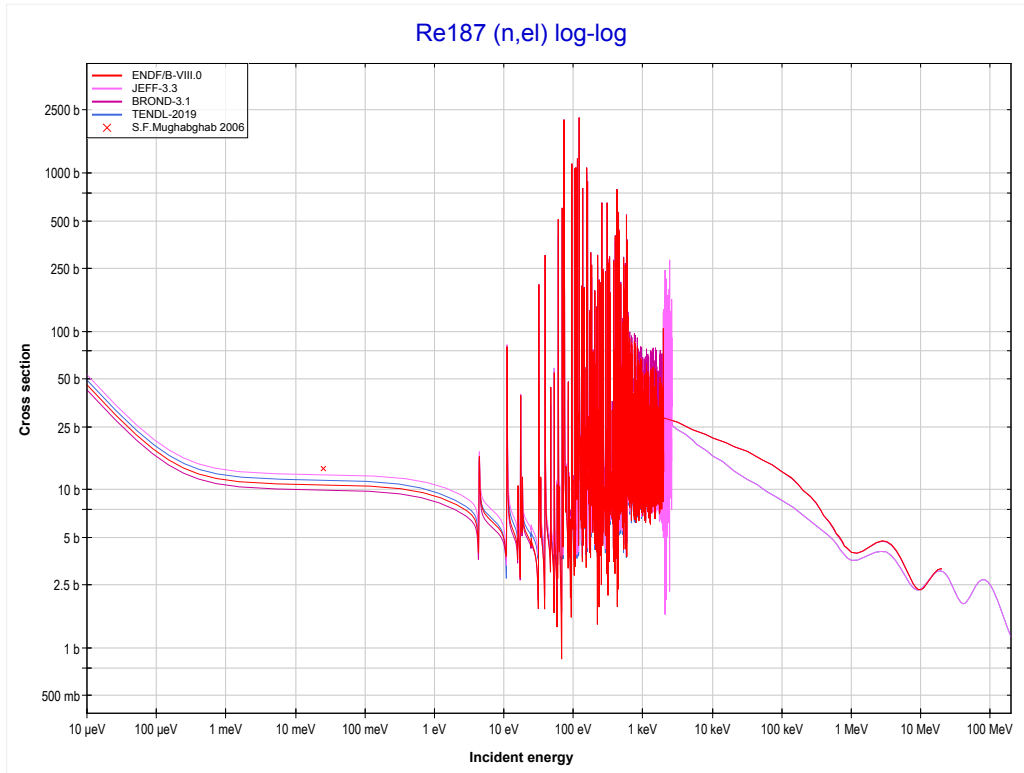
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.47453E-6 b | 0.00126391 b |
| JEFF-3.3 | 9.97479E-6 b | 9.97479E-6 b | 9.9779E-6 b | 1.00031 | 1.18541E-4 b | 1.27715E-6 b | 0.00115556 b |
| BROND-3.1 | 3.2988E-11 b | 3.2988E-11 b | 3.2202E-11 b | 0.97617 | 1.28773E-11 b | 1.47453E-6 b | 0.00126391 b |
| TENDL-2019 | 6.77854E-8 b | 6.77854E-8 b | 6.7779E-8 b | 0.99991 | 8.0156E-7 b | 7.14014E-7 b | 9.91041E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 75-Re-185 | 75-Re-187 | 76-Os-187 >> |
| << 75-Re-185 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



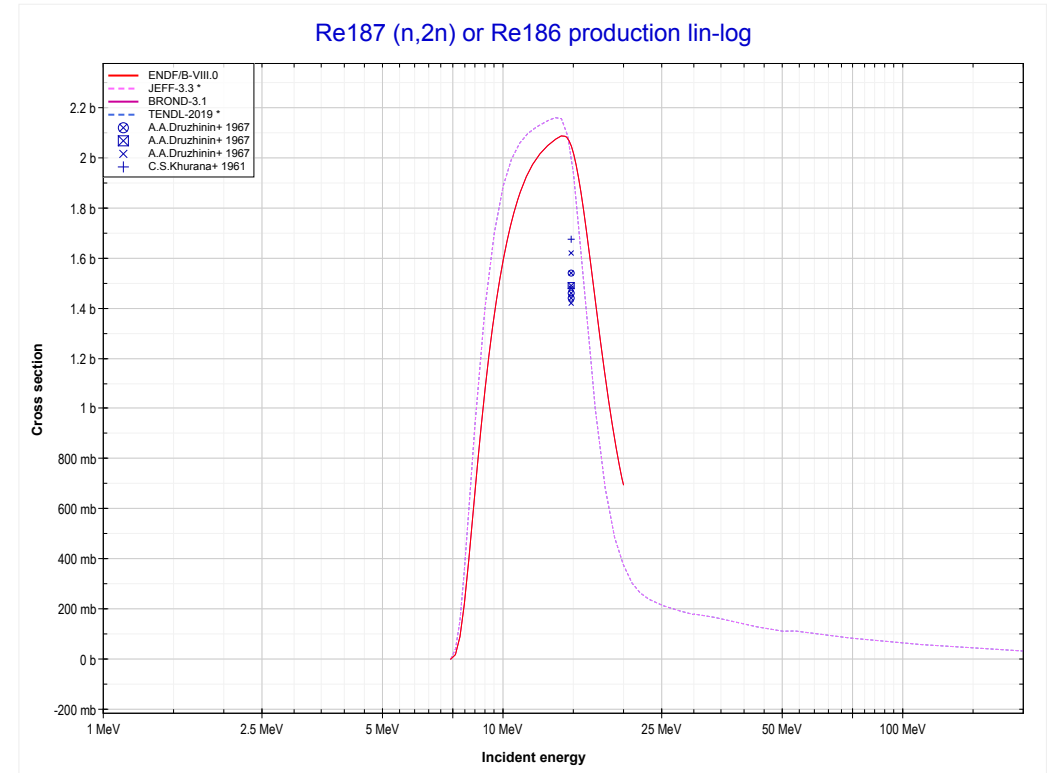
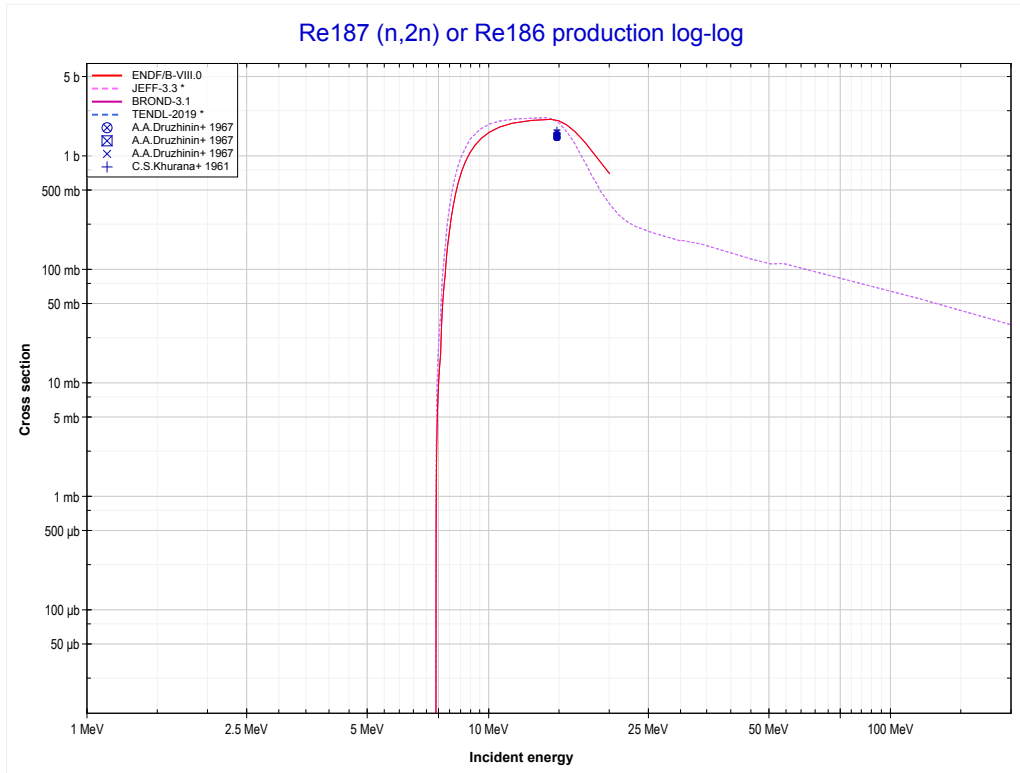
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 87.4357 b | 87.4357 b | 88.36 b | 1.01057 | 553.239 b | 6.78253 b | 5.1559 b |
| JEFF-3.3 | 88.8864 b | 88.8864 b | 90.107 b | 1.01374 | 545.637 b | 7.14488 b | 5.35808 b |
| BROND-3.1 | 86.6644 b | 86.6644 b | 87.492 b | 1.00955 | 582.361 b | 6.75112 b | 5.15134 b |
| TENDL-2019 | 86.2485 b | 86.2485 b | 87.234 b | 1.01143 | 538.117 b | 7.1449 b | 5.35808 b |

| | | |
|------------------|------------------------|----------------|
| << 75-Re-185 | 75-Re-187 | 76-Os-186 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



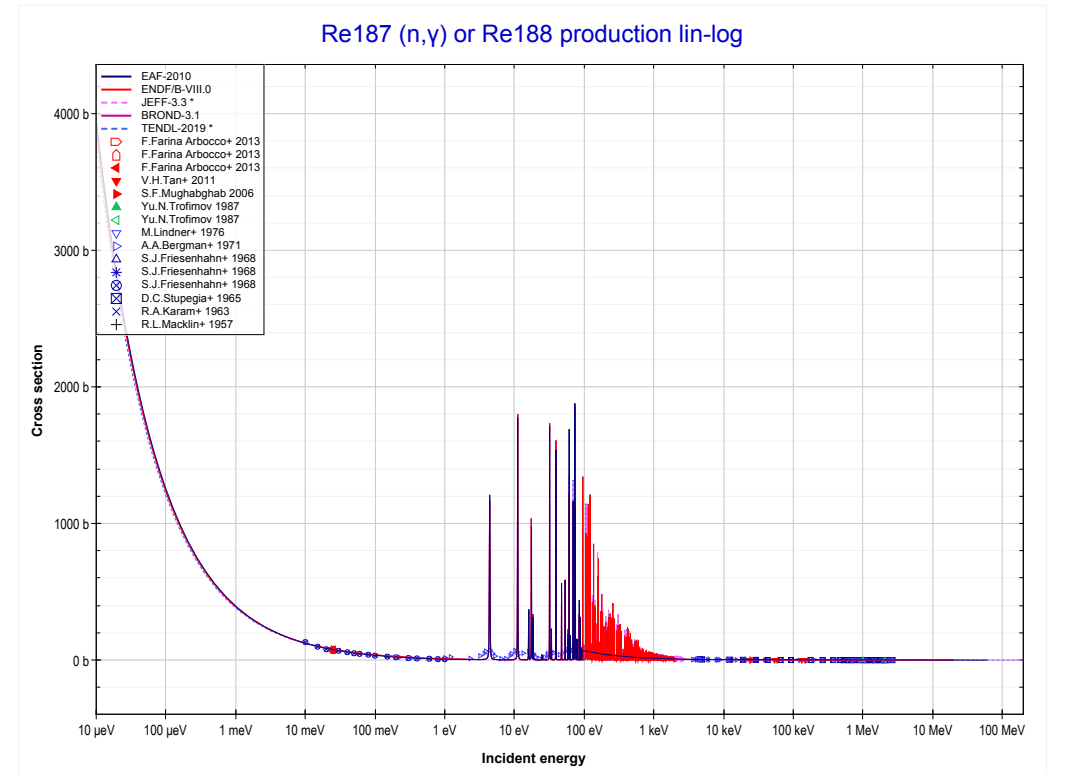
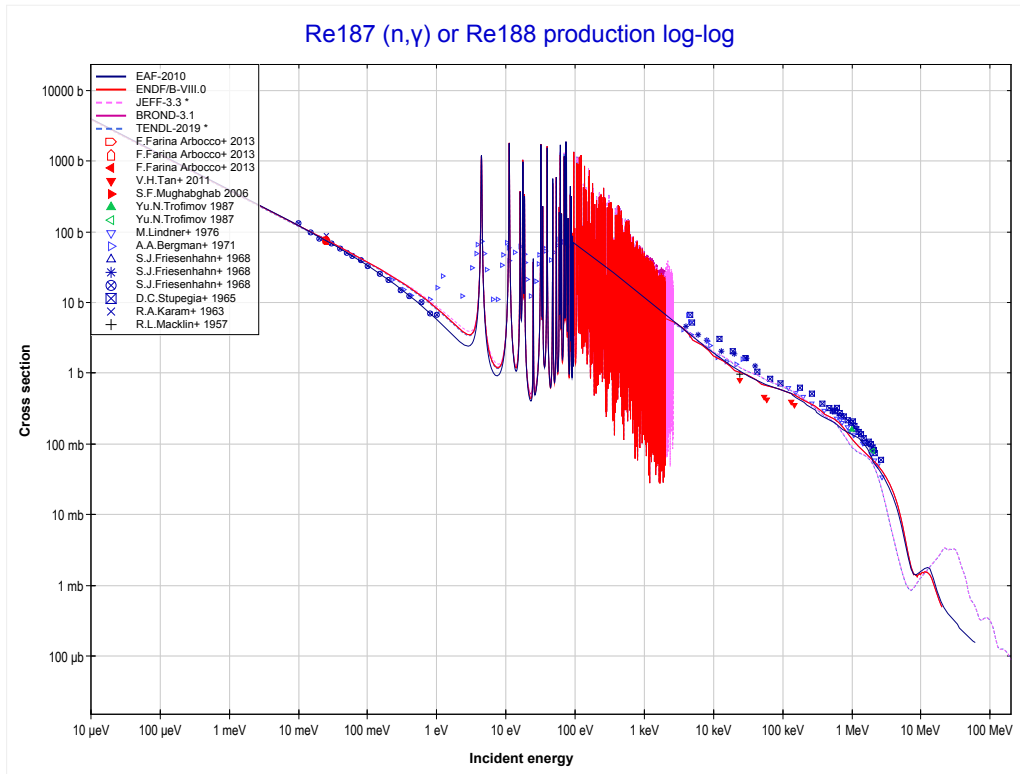
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.7341 b | 10.7341 b | 12.055 b | 1.12309 | 259.454 b | 5.04512 b | 2.76946 b |
| JEFF-3.3 | 12.4364 b | 12.4364 b | 13.976 b | 1.1238 | 242.418 b | 4.20272 b | 2.78805 b |
| BROND-3.1 | 9.96275 b | 9.96275 b | 11.187 b | 1.12291 | 282.606 b | 5.01358 b | 2.7649 b |
| TENDL-2019 | 11.498 b | 11.498 b | 12.909 b | 1.12273 | 236.627 b | 4.20371 b | 2.78805 b |

| | | |
|--------------------|--|-------------------------|
| << 75-Re-185 | 75-Re-187 | 76-Os-184 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Re186 production) | MT102 (n, γ) >> |



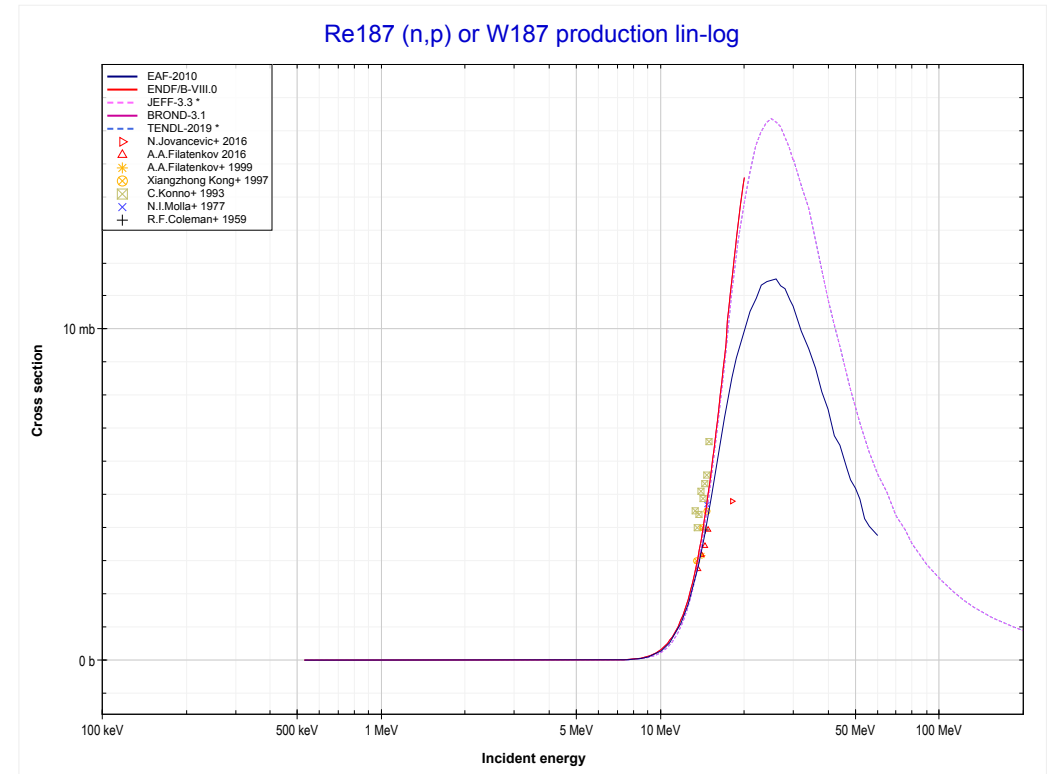
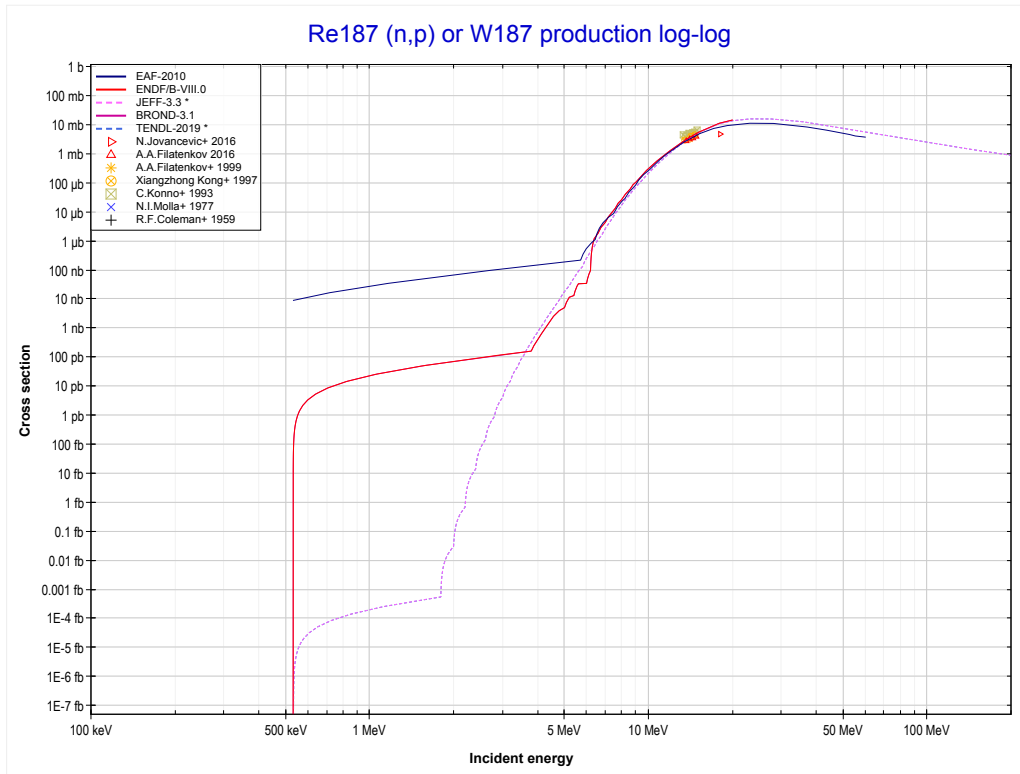
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00892819 b | 2.0877 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0110328 b | 2.15573 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00892819 b | 2.0877 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.011034 b | 2.15593 b |

| | | |
|----------------|--|----------------|
| << 75-Re-185 | 75-Re-187 | 75-Re-188 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Re188 production) | MT103 (n,p) >> |



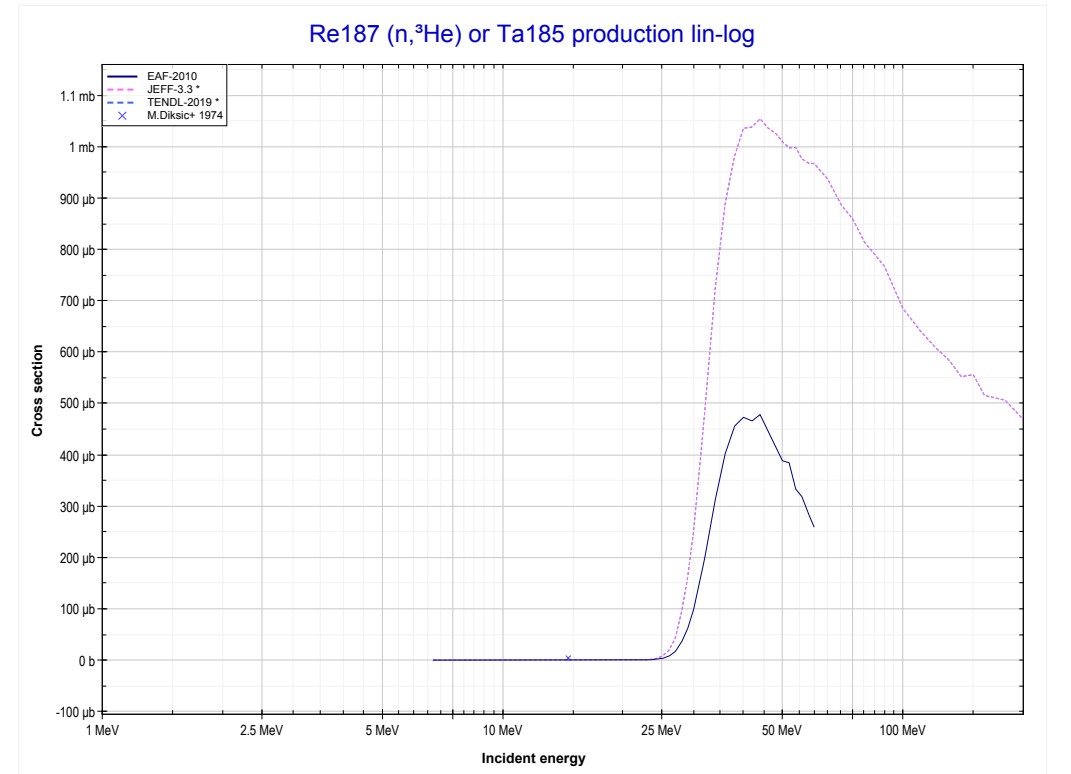
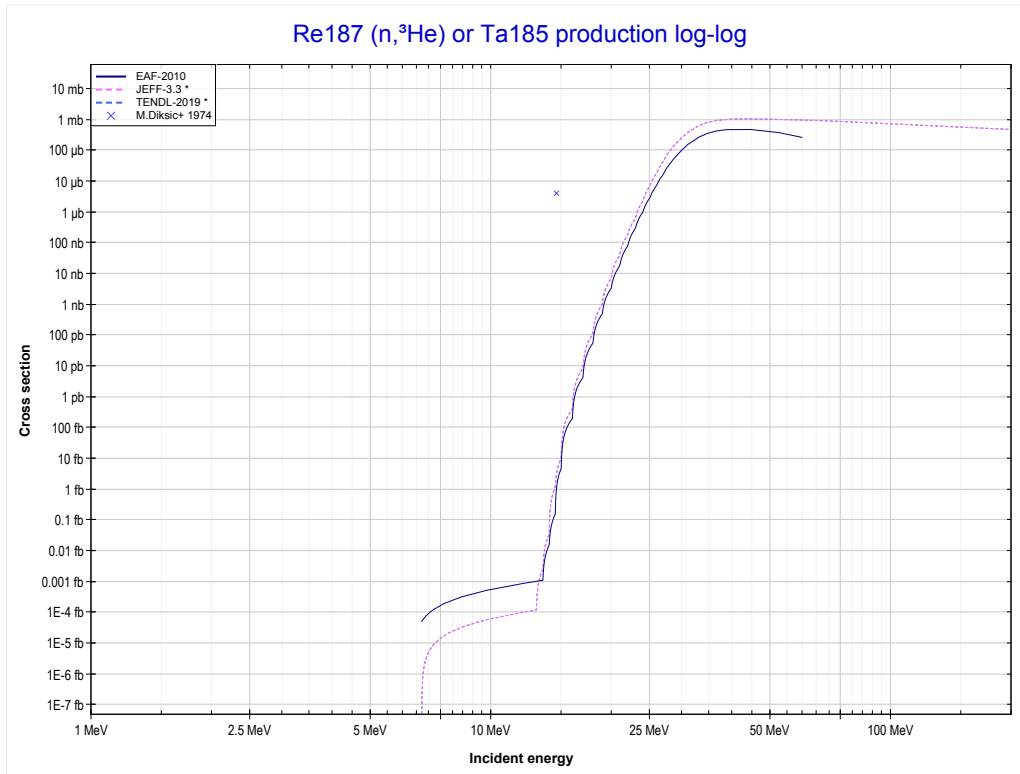
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 74.8578 b | 74.7963 b | 73.424 b | 0.98159 | 286.6 b | 0.120629 b | 0.00154485 b |
| ENDF/B-VIII.0 | 76.7016 b | 76.7016 b | 76.304 b | 0.99482 | 293.786 b | 0.12164 b | 0.00131721 b |
| JEFF-3.3 | 76.45 b | 76.45 b | 76.131 b | 0.99583 | 303.219 b | 0.109816 b | 0.00195874 b |
| BROND-3.1 | 76.7017 b | 76.7017 b | 76.304 b | 0.99482 | 299.756 b | 0.121767 b | 0.00131721 b |
| TENDL-2019 | 74.7505 b | 74.7505 b | 74.325 b | 0.99431 | 301.479 b | 0.108115 b | 0.00193985 b |

| | | |
|-------------------------|---|------------------------------|
| << 75-Re-185 | 75-Re-187 | 76-Os-184 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (W187 production) | MT106 (n, ^3He) >> |



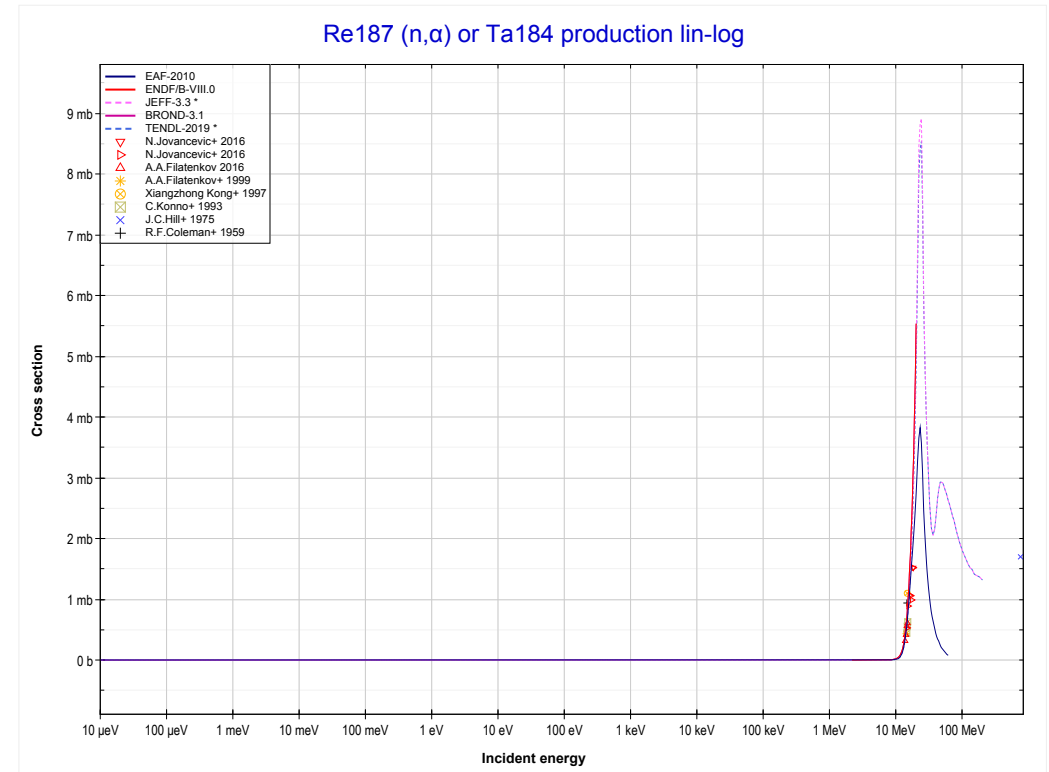
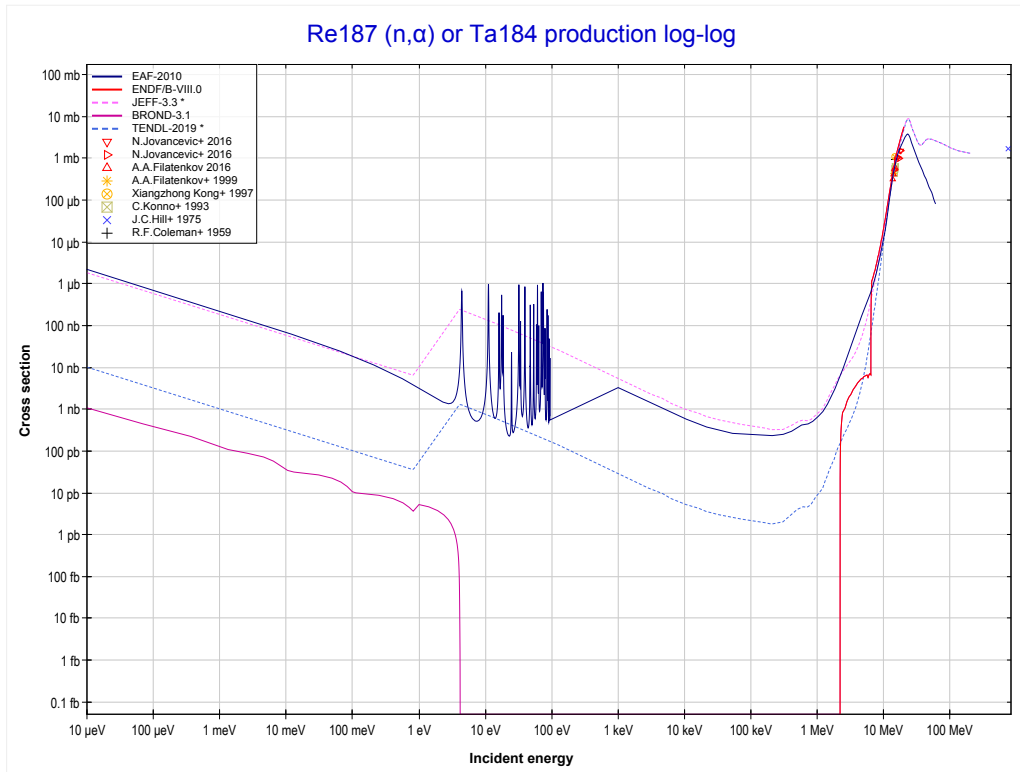
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.79888E-6 b | 0.00323728 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.08061E-6 b | 0.00359953 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.54825E-6 b | 0.00338145 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.08061E-6 b | 0.00359953 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.54755E-6 b | 0.00338088 b |

| | | |
|----------------|---|----------------|
| << 74-W-186 | 75-Re-187 | 79-Au-197 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Ta185 production) | MT107 (n,α) >> |



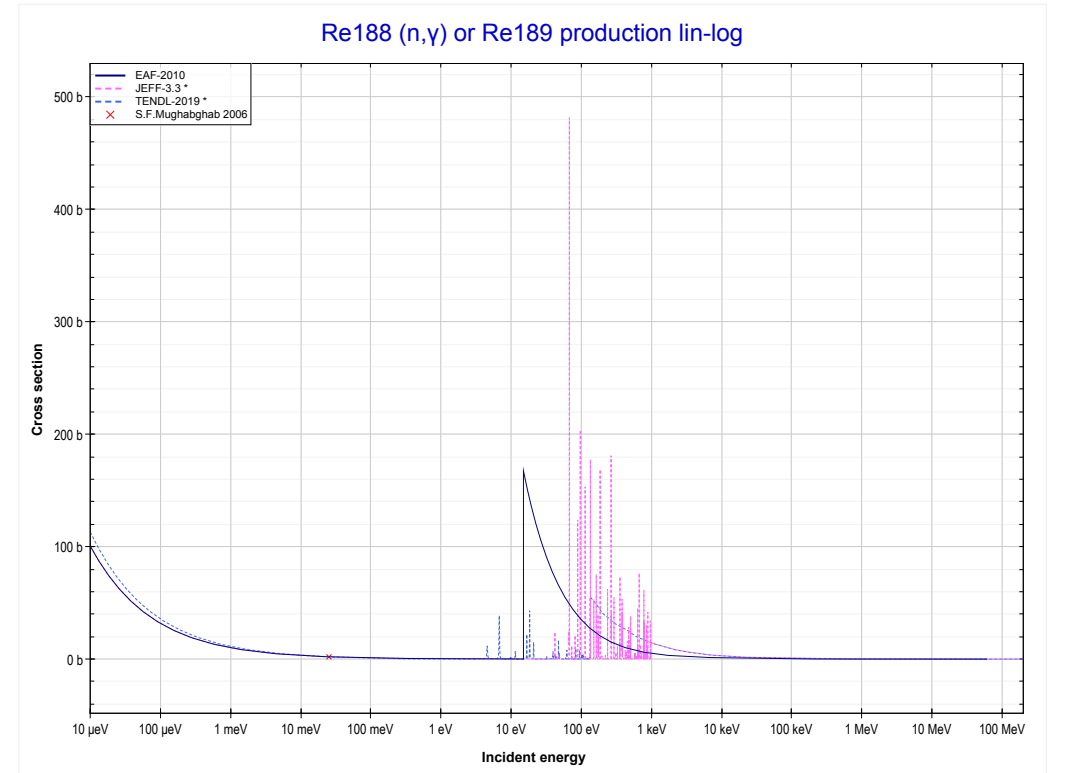
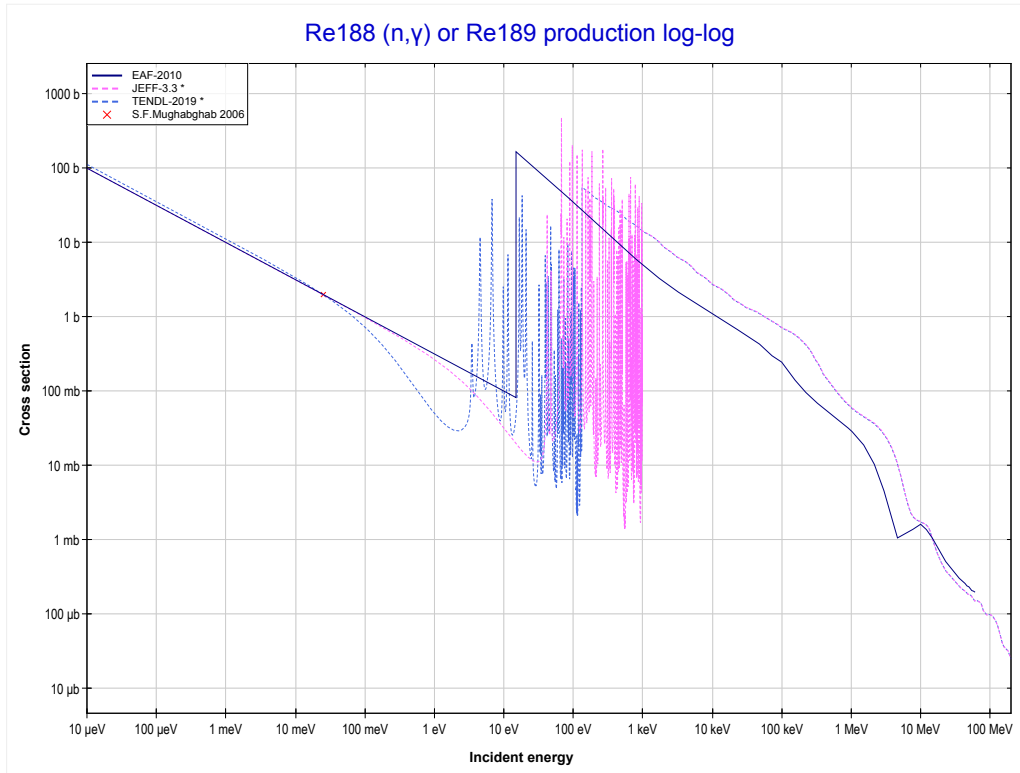
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.00972E-15 b | 1.53188E-17 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.24642E-15 b | 3.42486E-17 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 8.2441E-15 b | 3.4249E-17 b |

| | | |
|-------------------------------|--|--------------------------|
| << 75-Re-185 | 75-Re-187 | 76-Os-184 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ta184 production) | 75-Re-188 MT102 (n,γ) >> |



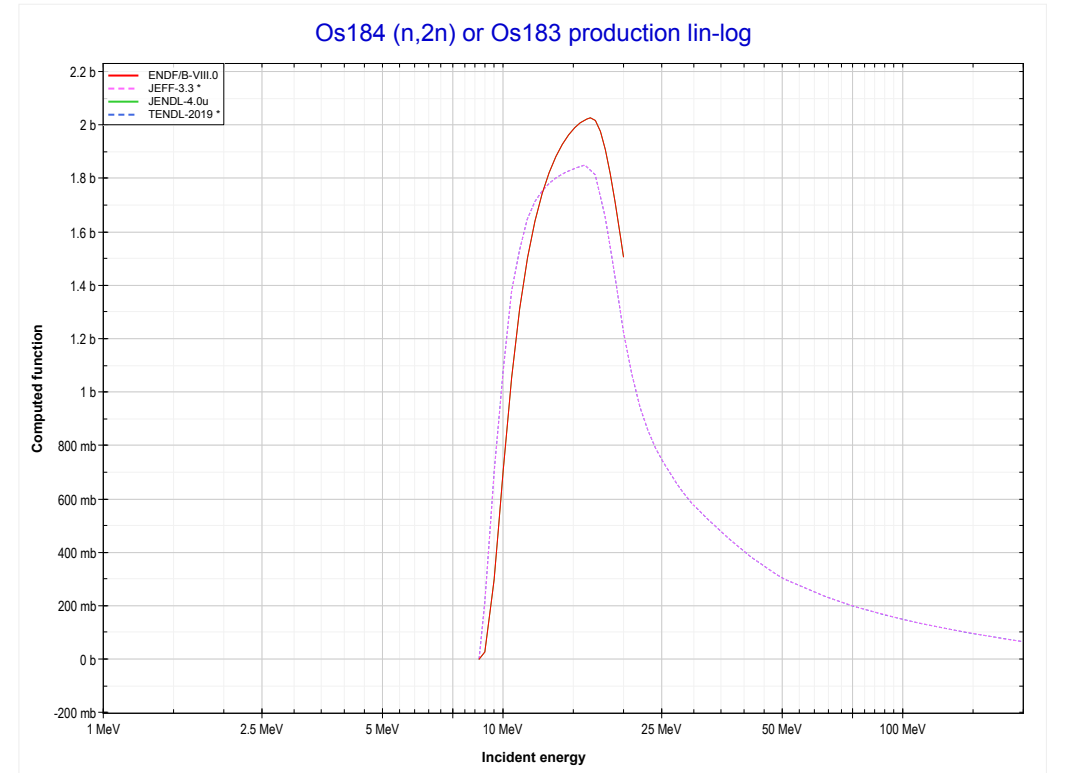
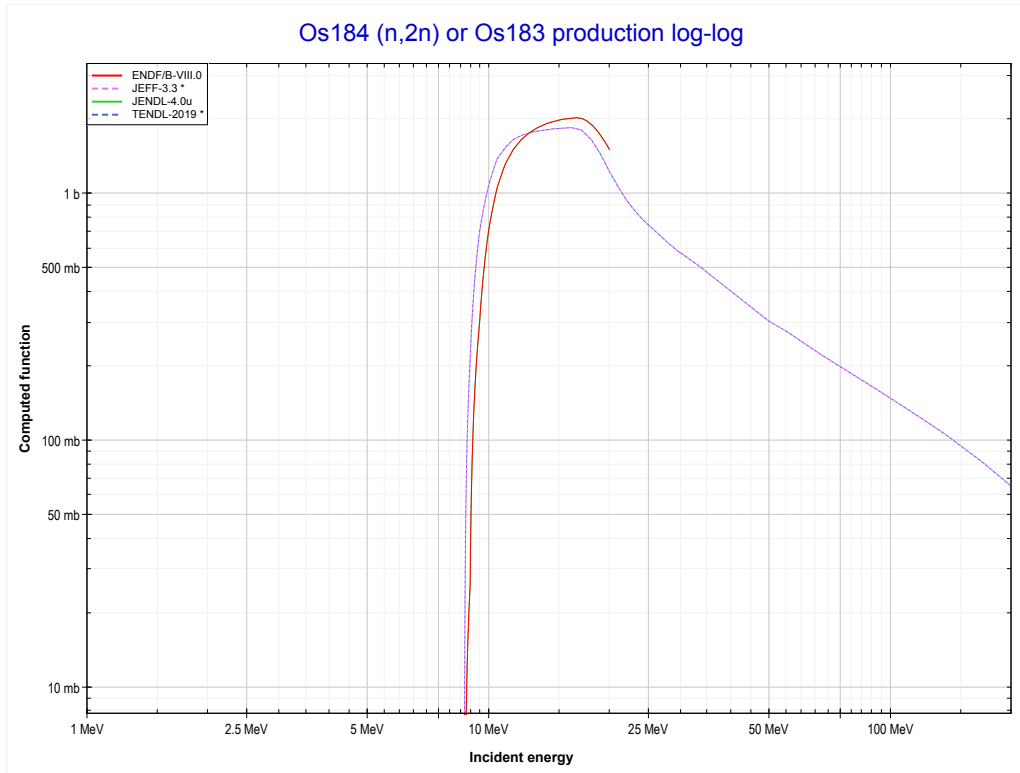
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.1968E-8 b | 4.19334E-8 b | 4.1174E-8 b | 0.98183 | 1.16083E-7 b | 2.97318E-7 b | 4.53875E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.90166E-7 b | 5.62595E-4 b |
| JEFF-3.3 | 3.66041E-8 b | 3.66041E-8 b | 3.6615E-8 b | 1.00031 | 4.90444E-7 b | 3.31464E-7 b | 4.63764E-4 b |
| BROND-3.1 | 2.8241E-11 b | 2.8241E-11 b | 2.7576E-11 b | 0.97644 | 8.0175E-12 b | 3.90166E-7 b | 5.62595E-4 b |
| TENDL-2019 | 2.025E-10 b | 2.025E-10 b | 2.0248E-10 b | 0.9999 | 2.63156E-9 b | 2.56909E-7 b | 4.35652E-4 b |

| | | |
|-----------------------------------|--|--------------------------|
| << 75-Re-187 | 75-Re-188 | 76-Os-184 >> |
| << 75-Re-187 MT107 (n, α) | MT102 (n,γ) or MT5 (Re189 production) | 76-Os-184 MT16 (n,2n) >> |



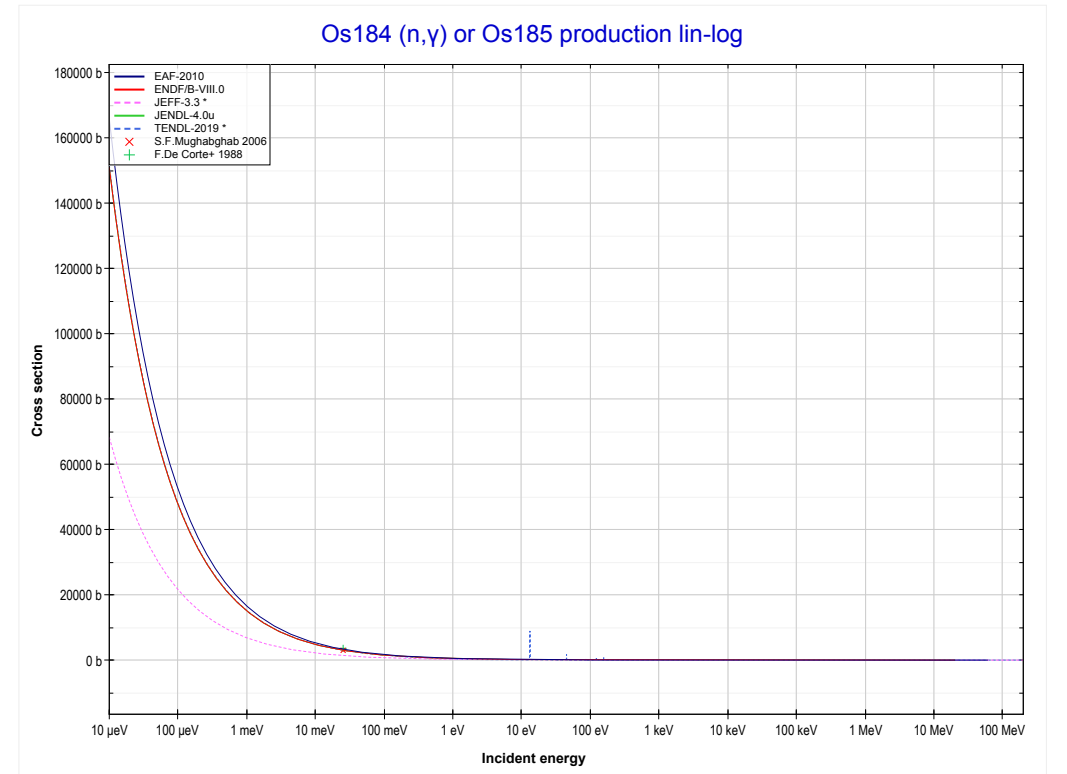
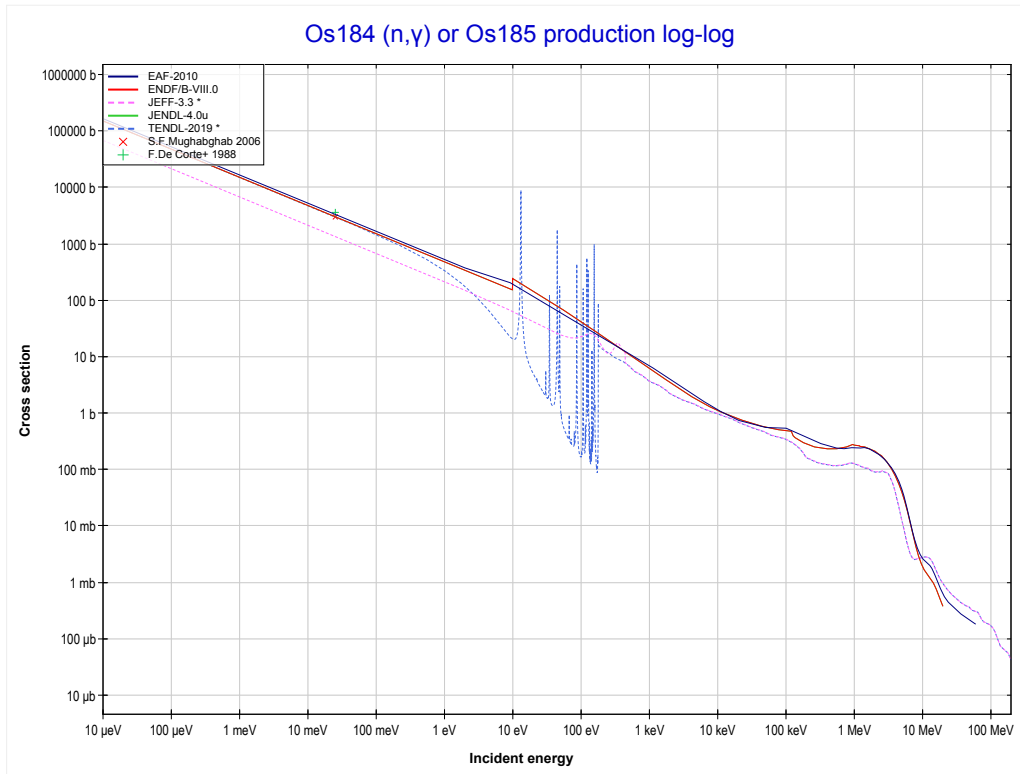
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2 b | 1.9985 b | 1.9986 b | 1.00007 | 204.884 b | 0.0312179 b | 0.00114 b |
| JEFF-3.3 | 1.99044 b | 1.99044 b | 1.9868 b | 0.99818 | 31.8541 b | 0.093526 b | 0.00123254 b |
| TENDL-2019 | 1.99131 b | 1.99131 b | 1.9062 b | 0.95725 | 85.6195 b | 0.0920638 b | 0.00123019 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 75-Re-187 | 76-Os-184 | 76-Os-186 >> |
| << 75-Re-188 MT102 (n, γ) | MT16 (n,2n) or MT5 (Os183 production) | MT102 (n, γ) >> |



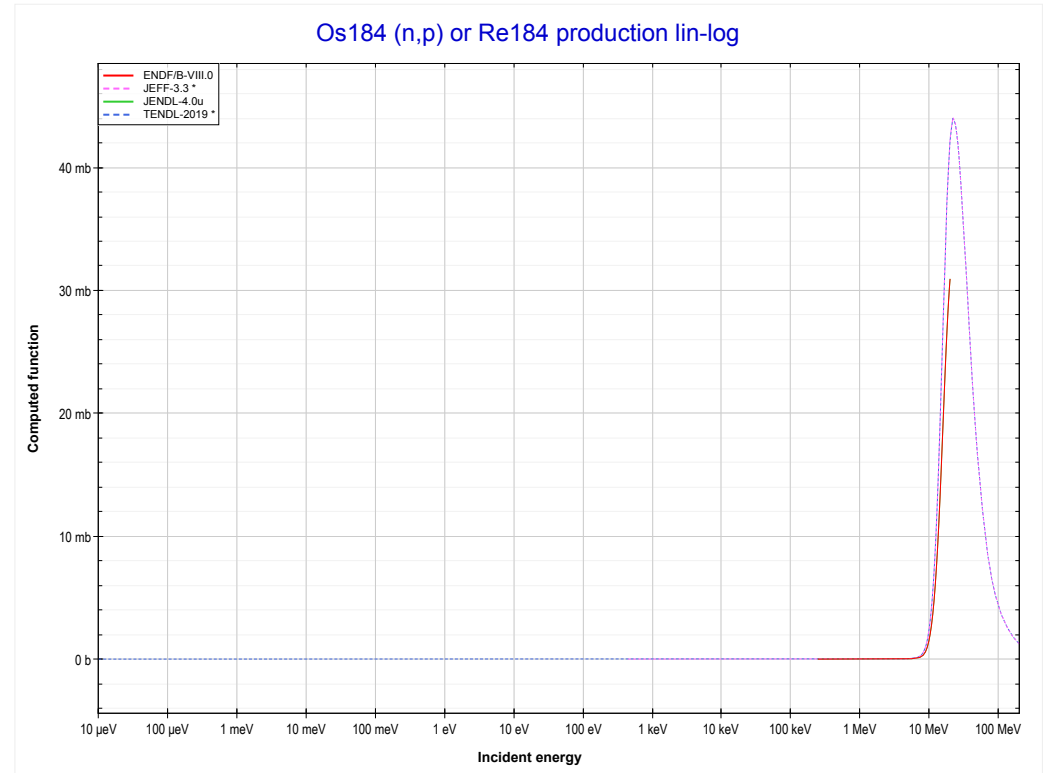
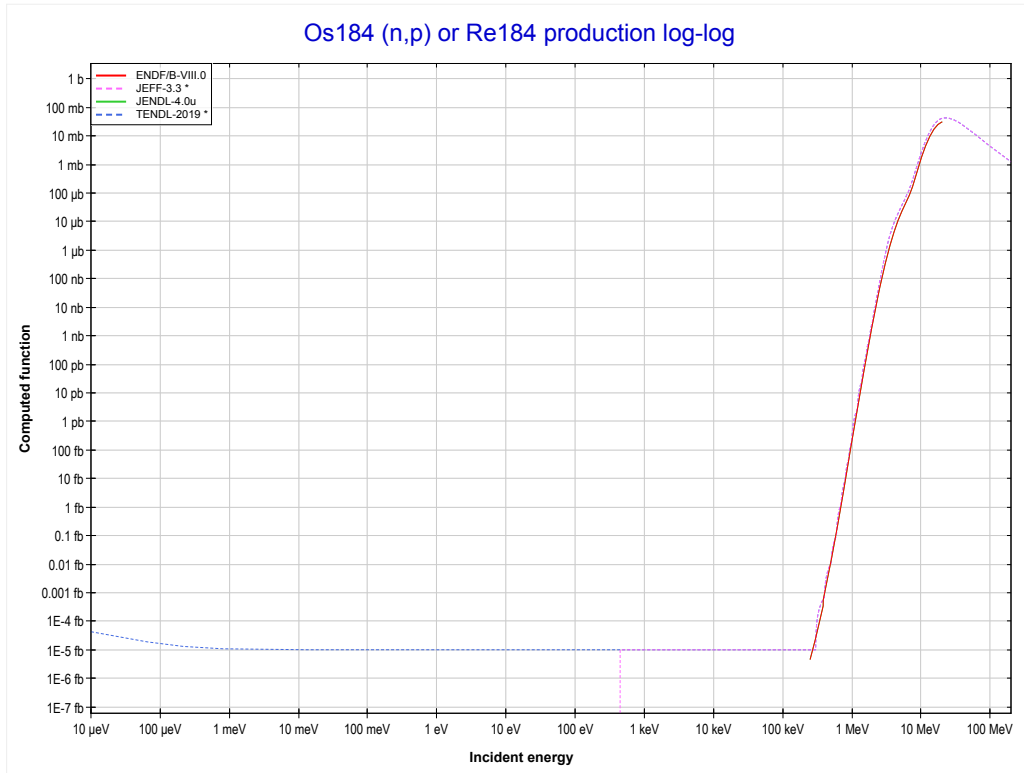
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00319963 b | 1.92268 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00429691 b | 1.81489 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00319963 b | 1.92268 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00431754 b | 1.81516 b |

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|----------------|--|----------------|
| << 75-Re-188 | 76-Os-184 | 76-Os-186 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Os185 production) | MT103 (n,p) >> |



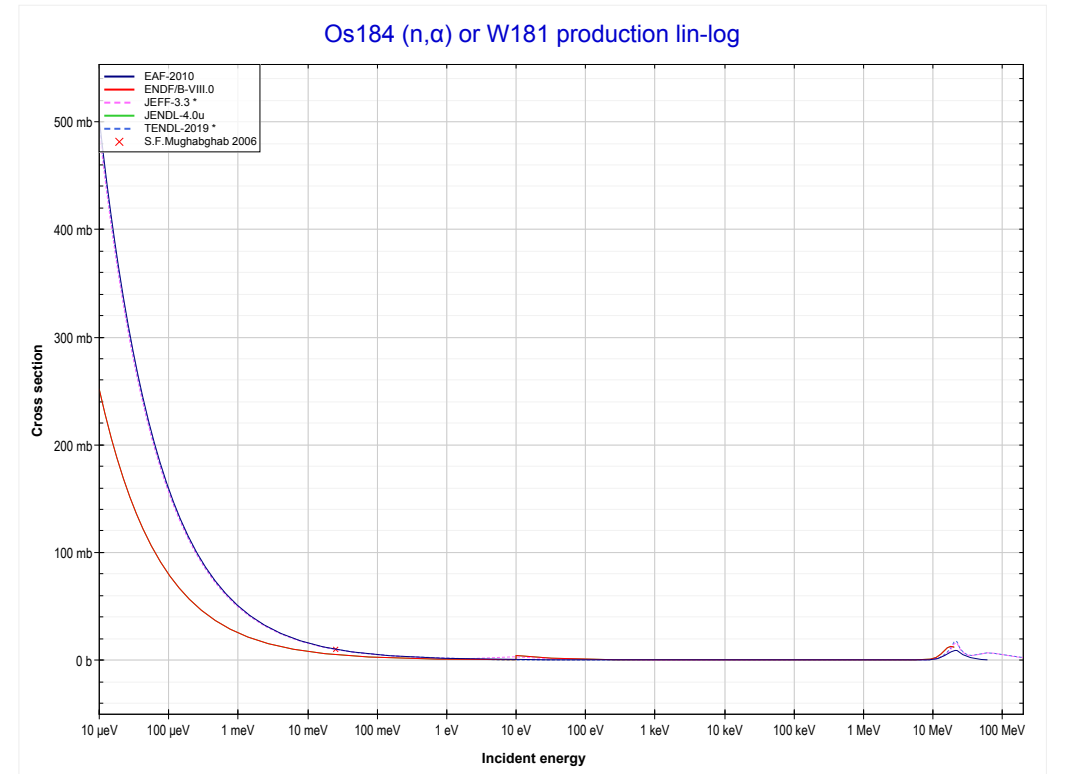
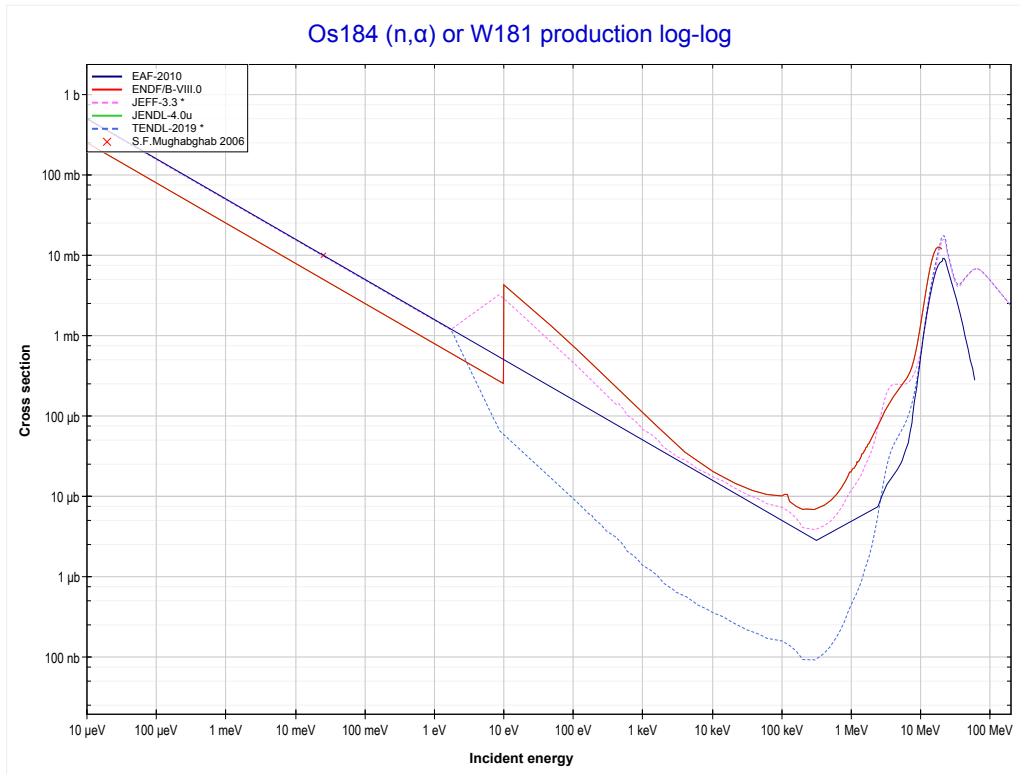
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3300 b | 3297.53 b | 3297.7 b | 1.00004 | 1456.62 b | 0.205968 b | 0.00172228 b |
| ENDF/B-VIII.0 | 3000.8 b | 3000.8 b | 3002.1 b | 1.00042 | 1369.38 b | 0.204332 b | 0.00105196 b |
| JEFF-3.3 | 1357.2 b | 1357.2 b | 1357.5 b | 1.00023 | 584.225 b | 0.104882 b | 0.00233402 b |
| JENDL-4.0u | 3000.8 b | 3000.8 b | 3002.1 b | 1.00042 | 1369.38 b | 0.204332 b | 0.00105196 b |
| TENDL-2019 | 2989.67 b | 2989.67 b | 2975.6 b | 0.99529 | 823.122 b | 0.103397 b | 0.00233237 b |

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|-------------------------|--|-------------------------|
| << 75-Re-187 | 76-Os-184 | 76-Os-186 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re184 production) | MT107 (n, α) >> |



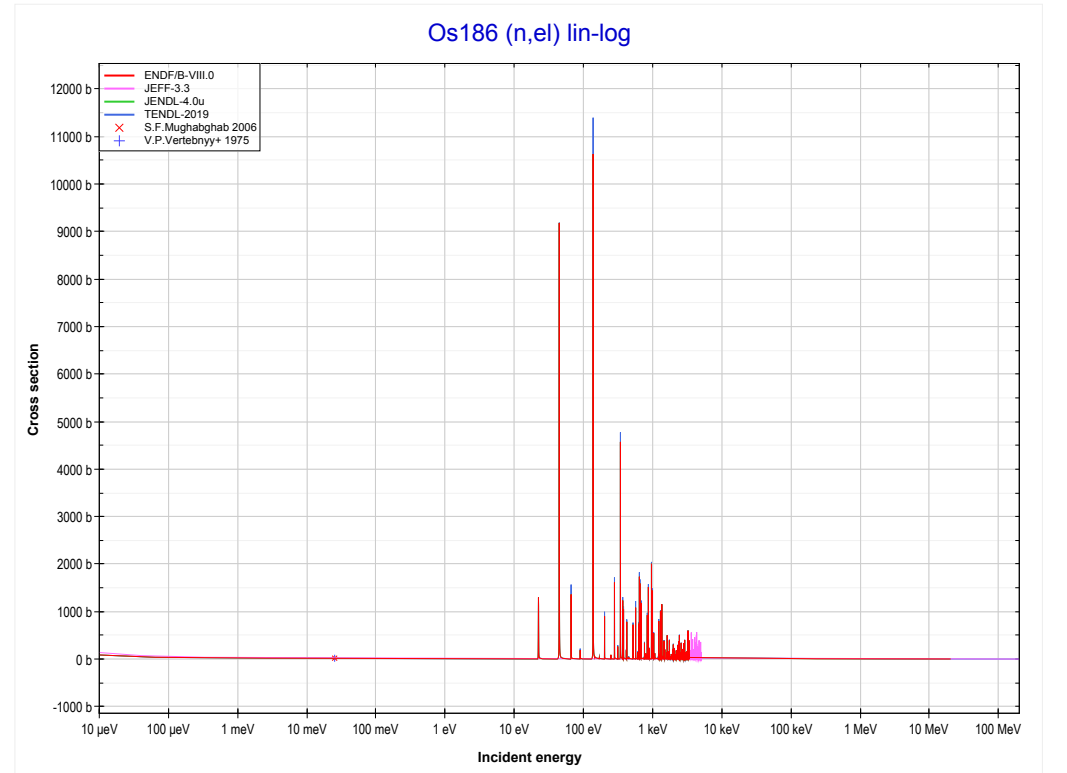
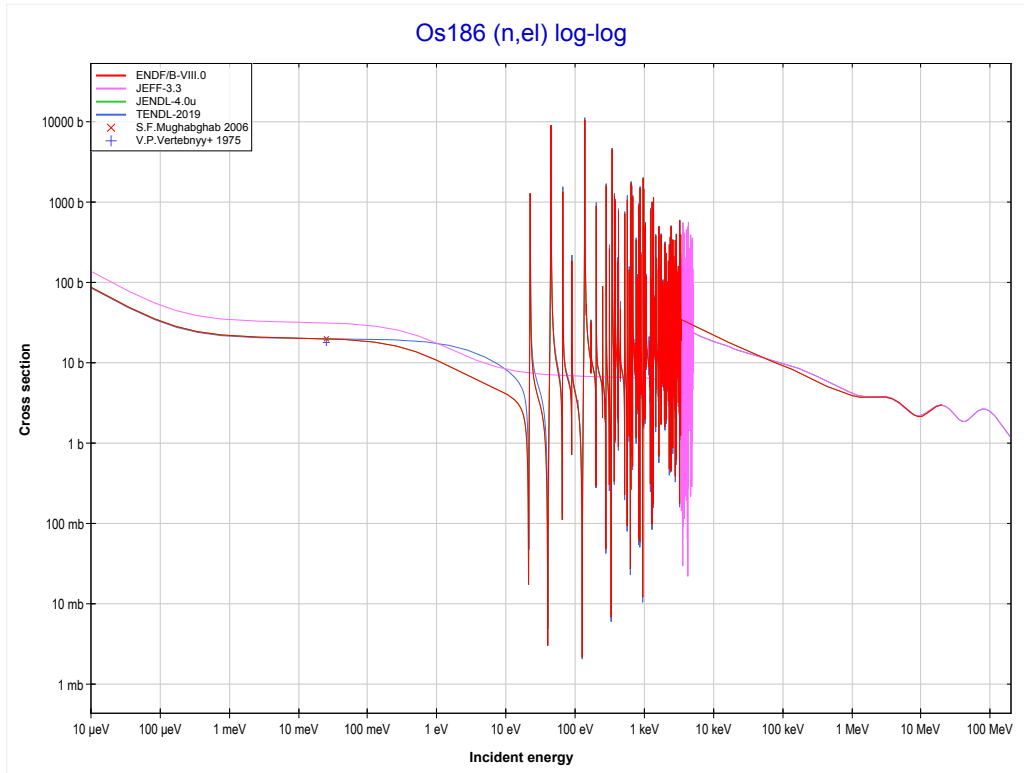
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64752E-5 b | 0.0118828 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.41101E-20 b | 2.57471E-5 b | 0.0173575 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.64752E-5 b | 0.0118828 b |
| TENDL-2019 | 1.0027E-20 b | 1.0027E-20 b | 1.1315E-20 b | 1.12848 | 1.22084E-19 b | 2.57154E-5 b | 0.017342 b |

| | | |
|----------------|---|------------------------------|
| << 75-Re-187 | 76-Os-184 | 76-Os-187 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (W181 production) | 76-Os-186 MT2 (n,elastic) >> |



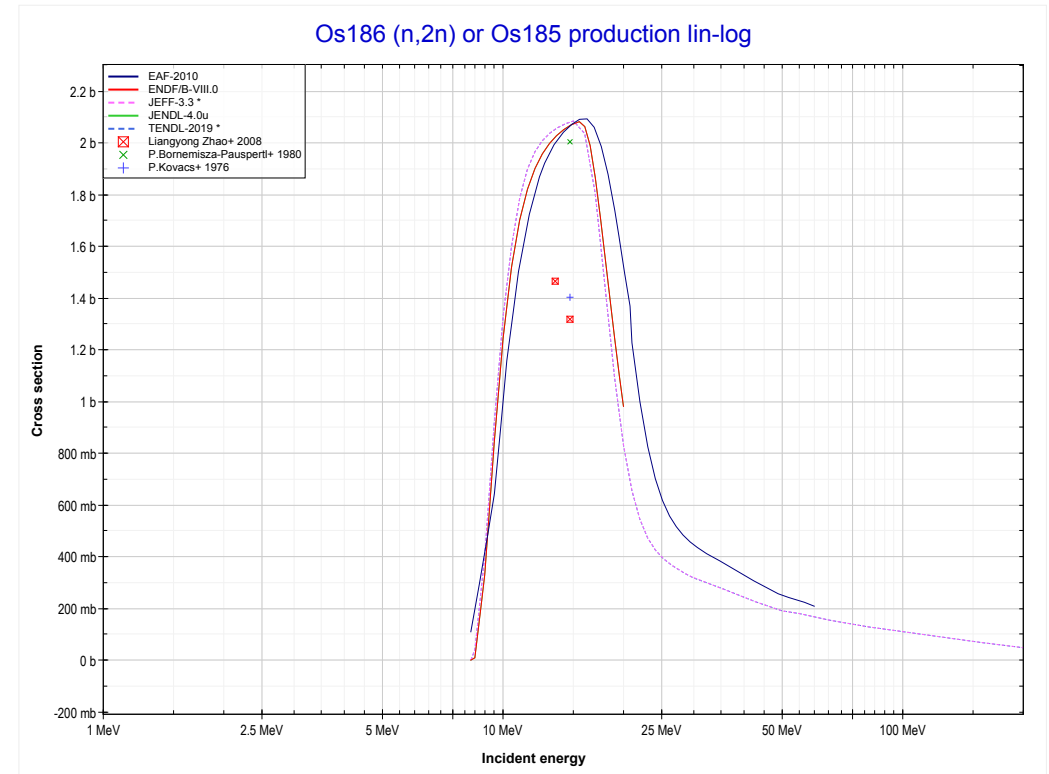
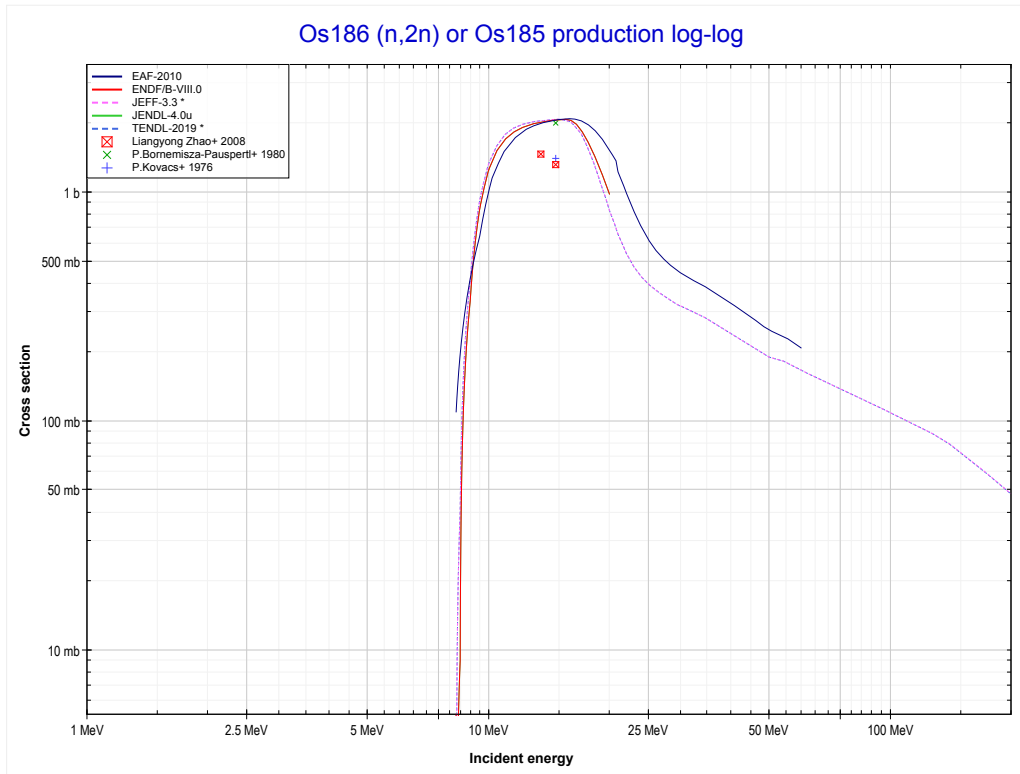
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.01 b | 0.0099925 b | 0.0099926 b | 1.00001 | 0.00448954 b | 1.35451E-5 b | 0.00346027 b |
| ENDF/B-VIII.0 | 0.00500133 b | 0.00500133 b | 0.0050035 b | 1.00042 | 0.00739571 b | 7.83281E-5 b | 0.00762031 b |
| JEFF-3.3 | 0.00976806 b | 0.00976806 b | 0.0097697 b | 1.00017 | 0.00943682 b | 7.6559E-5 b | 0.003338 b |
| JENDL-4.0u | 0.00500133 b | 0.00500133 b | 0.0050035 b | 1.00042 | 0.00739571 b | 7.83281E-5 b | 0.00762031 b |
| TENDL-2019 | 0.00989884 b | 0.00989884 b | 0.0098949 b | 0.9996 | 0.00277206 b | 1.67473E-5 b | 0.00400198 b |

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|-----------------------------------|------------------------|----------------|
| << 75-Re-187 | 76-Os-186 | 76-Os-187 >> |
| << 76-Os-184 MT107 (n, α) | MT2 (n,elastic) | MT16 (n,2n) >> |



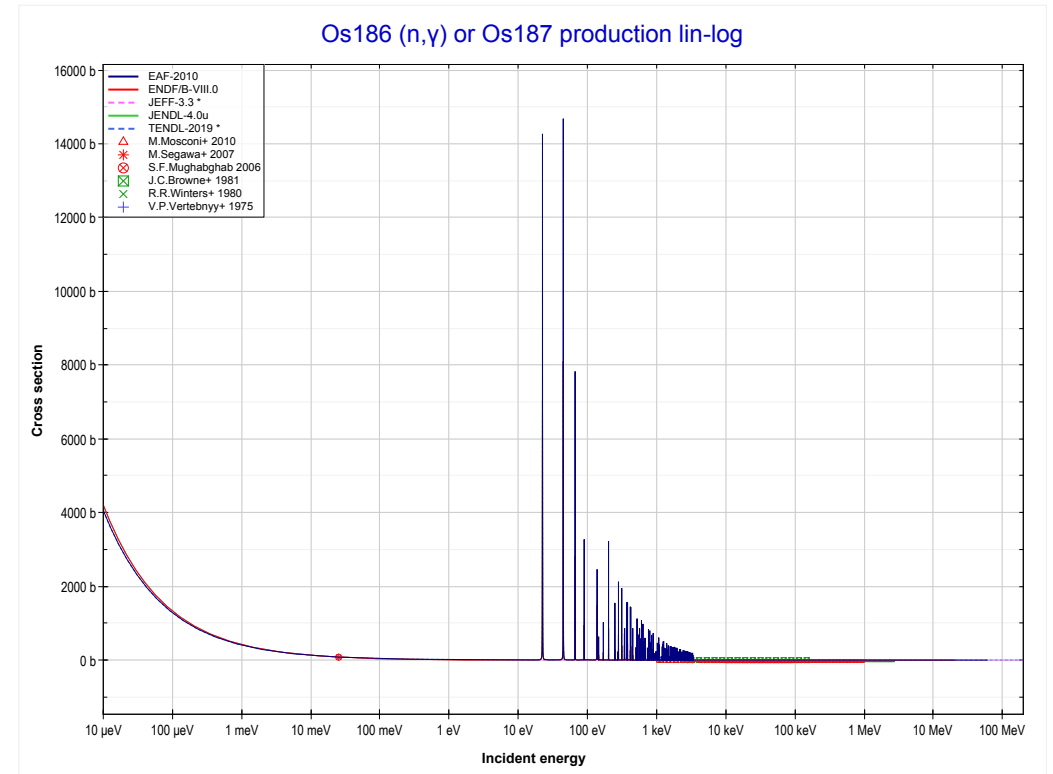
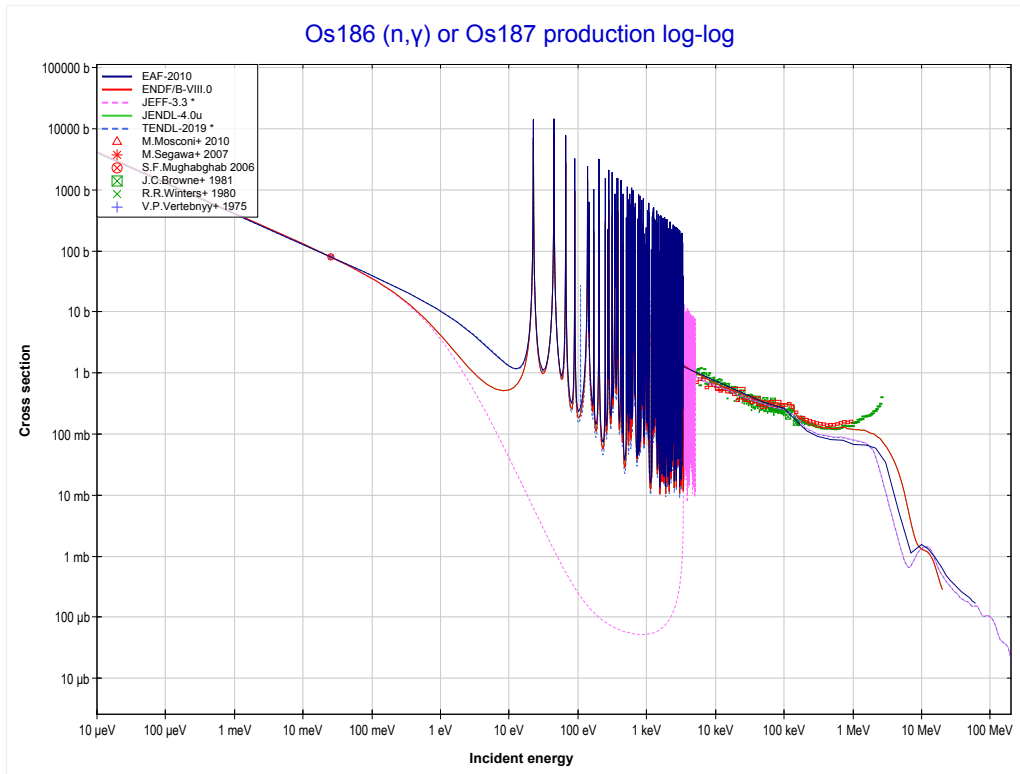
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.0549 b | 20.0549 b | 22.094 b | 1.10168 | 418.652 b | 4.18423 b | 2.5888 b |
| JEFF-3.3 | 31.6792 b | 31.6792 b | 34.937 b | 1.10283 | 139.231 b | 4.40656 b | 2.65932 b |
| JENDL-4.0u | 20.0549 b | 20.0549 b | 22.094 b | 1.10168 | 418.652 b | 4.18423 b | 2.5888 b |
| TENDL-2019 | 20.0917 b | 20.0917 b | 22.592 b | 1.12444 | 441.042 b | 4.40913 b | 2.65932 b |

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|--------------------|--|-------------------------|
| << 76-Os-184 | 76-Os-186 | 76-Os-192 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Os185 production) | MT102 (n, γ) >> |



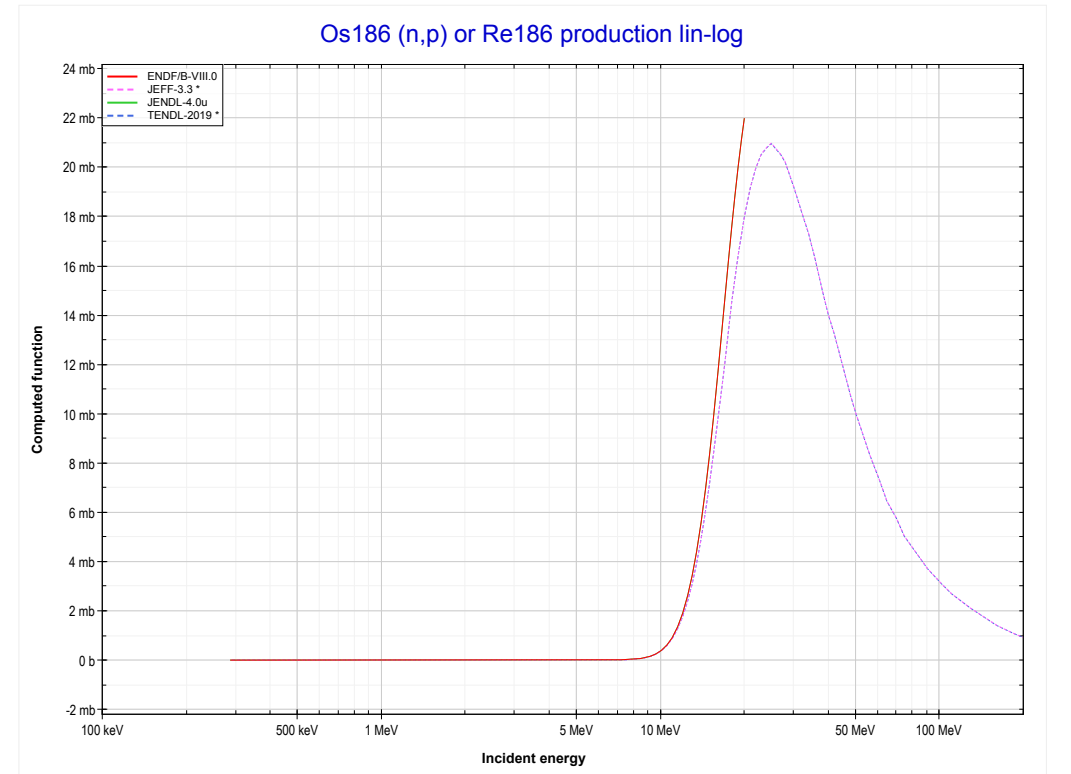
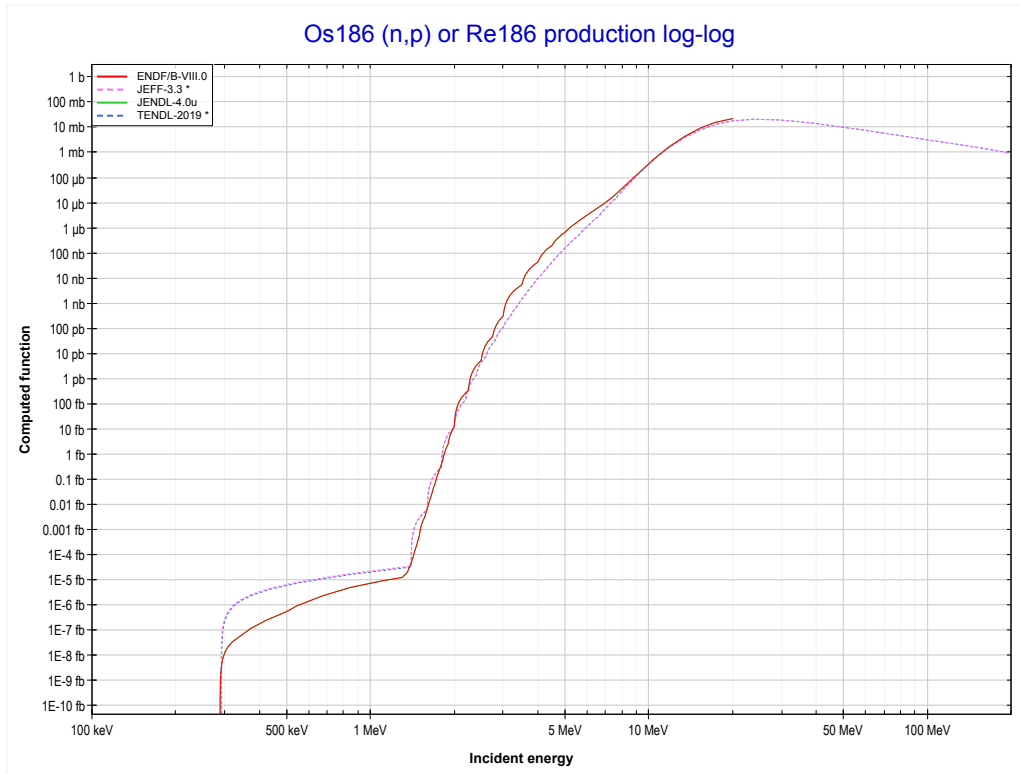
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0046885 b | 2.03214 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00510386 b | 2.04512 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00548869 b | 2.06771 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00510386 b | 2.04512 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00548783 b | 2.06731 b |

| | | |
|----------------|--|----------------|
| << 76-Os-184 | 76-Os-186 | 76-Os-187 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Os187 production) | MT103 (n,p) >> |



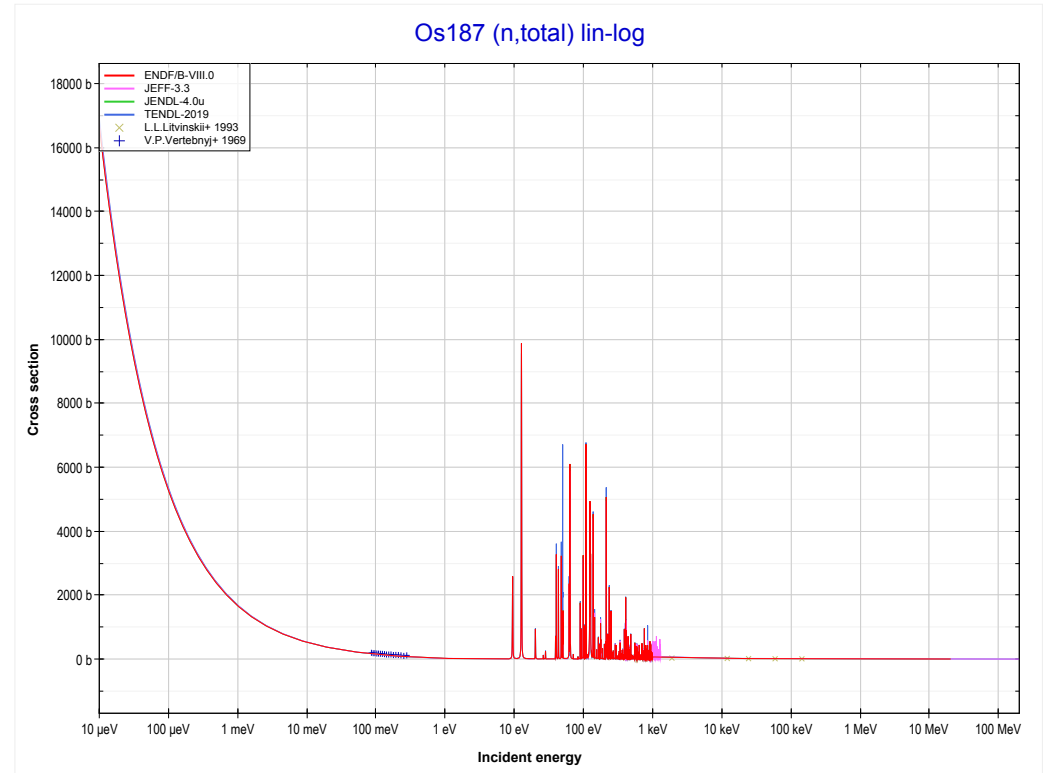
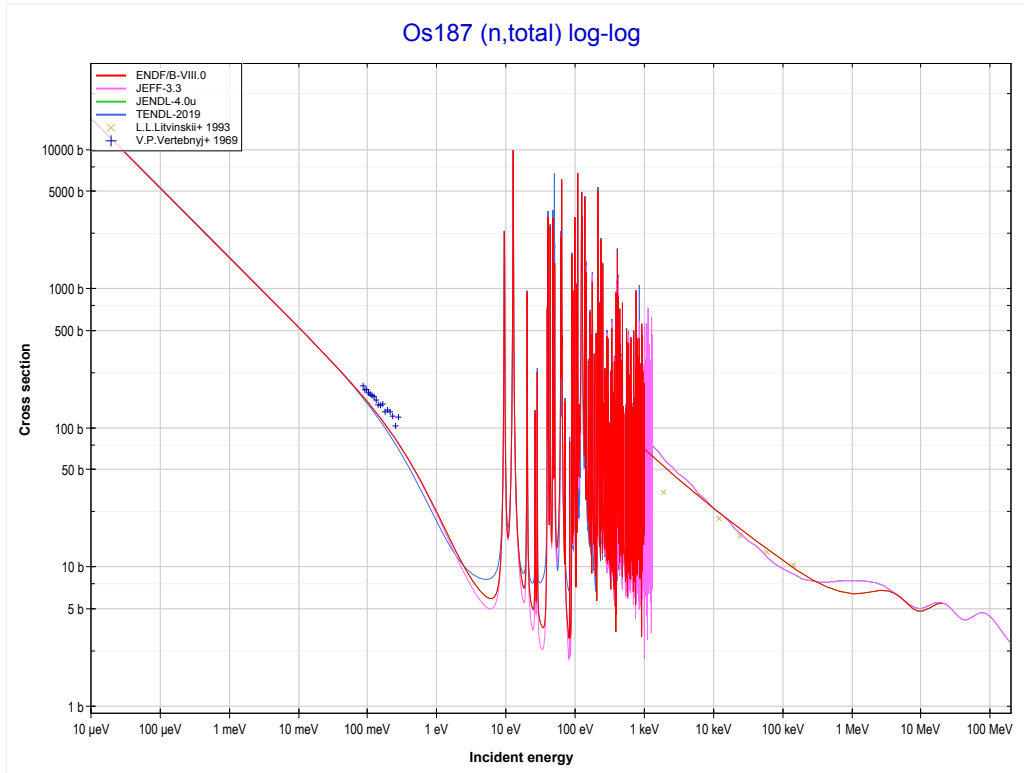
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 80.249 b | 80.1881 b | 79.956 b | 0.9971 | 259.006 b | 0.062094 b | 0.00113 b |
| ENDF/B-VIII.0 | 80.0287 b | 80.0287 b | 78.534 b | 0.98132 | 241.933 b | 0.100581 b | 9.5824E-4 b |
| JEFF-3.3 | 79.7076 b | 79.7076 b | 78.112 b | 0.97999 | 8.02966 b | 0.061236 b | 0.00121733 b |
| JENDL-4.0u | 80.0287 b | 80.0287 b | 78.534 b | 0.98132 | 241.933 b | 0.100581 b | 9.5824E-4 b |
| TENDL-2019 | 79.9817 b | 79.9817 b | 79.773 b | 0.99739 | 246.676 b | 0.0604481 b | 0.00121666 b |

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|-------------------------|--|----------------------------|
| << 76-Os-184 | 76-Os-186 | 76-Os-188 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re186 production) | 76-Os-187 MT1 (n,total) >> |



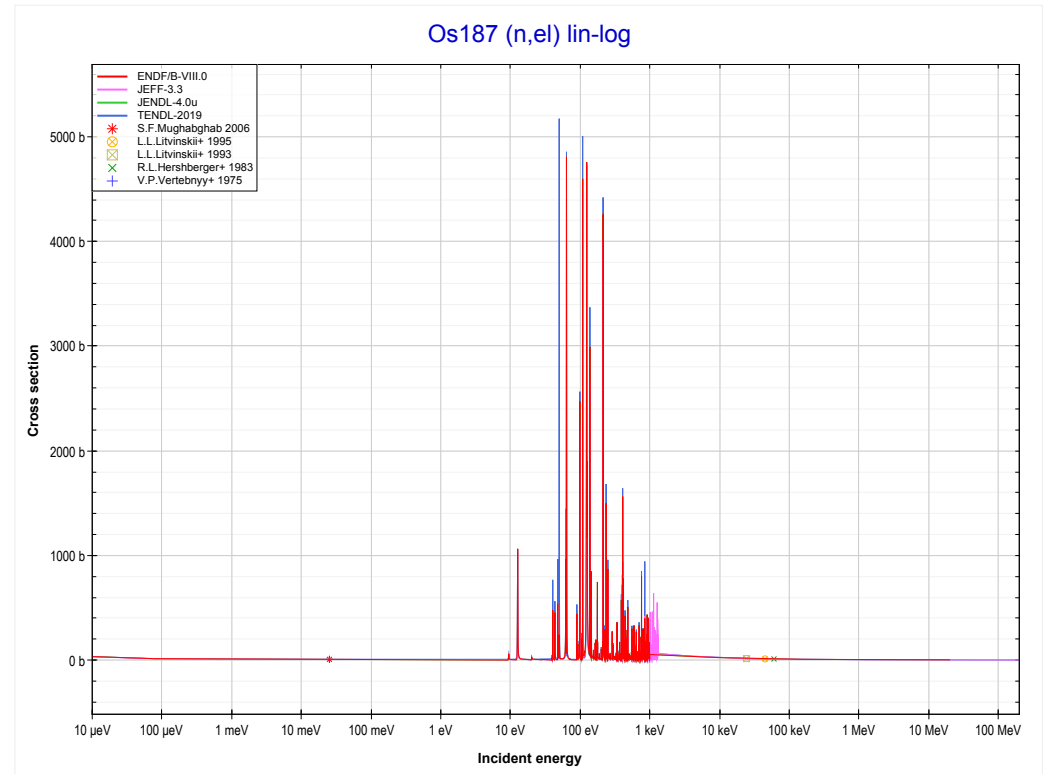
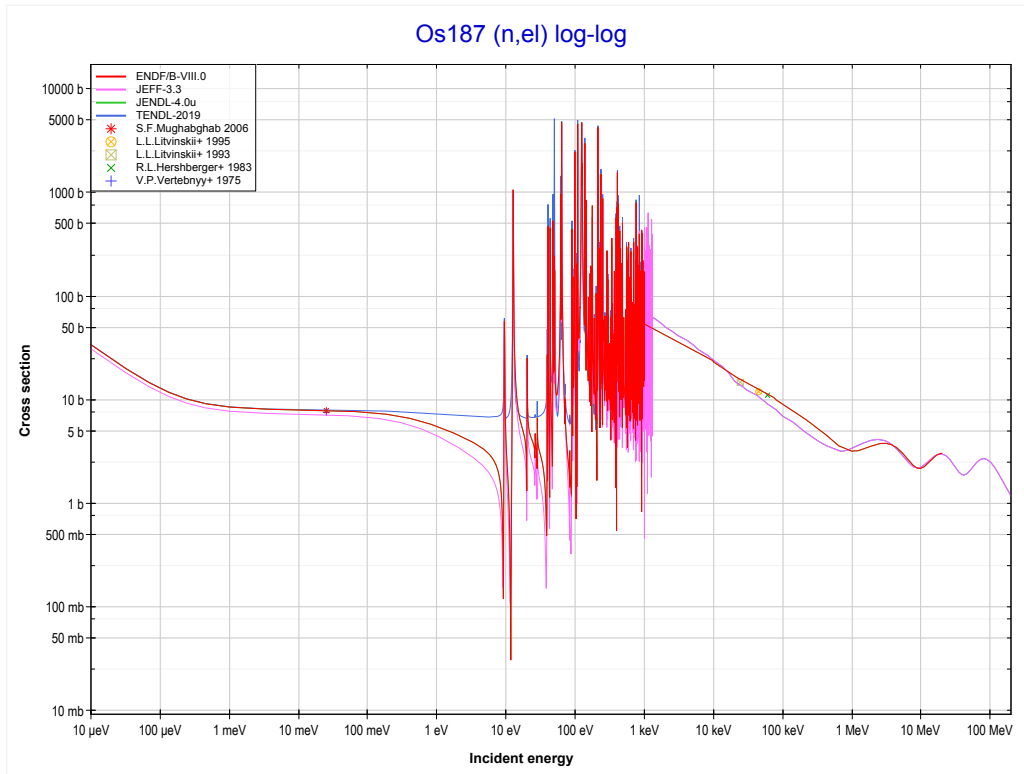
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.41521E-6 b | 0.00556907 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91267E-6 b | 0.00490803 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.41521E-6 b | 0.00556907 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.91107E-6 b | 0.00490437 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 75-Re-187 | 76-Os-187 | 76-Os-189 >> |
| << 76-Os-186 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



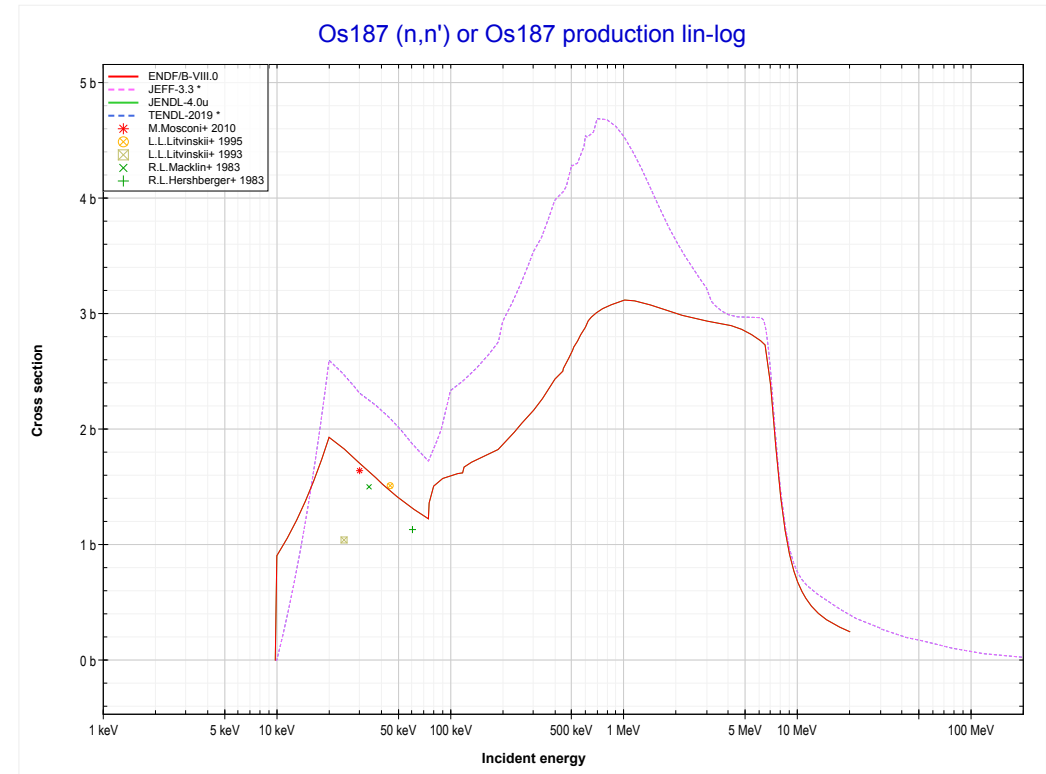
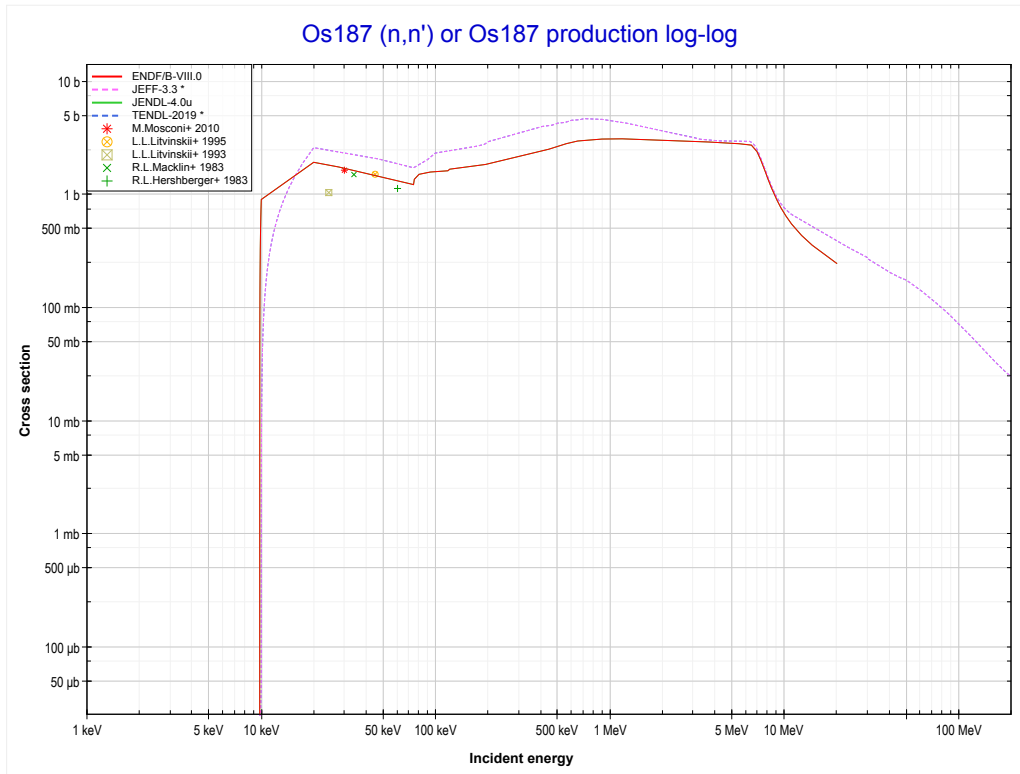
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 327.516 b | 327.516 b | 323.46 b | 0.98762 | 1092.06 b | 6.8093 b | 5.13351 b |
| JEFF-3.3 | 328.519 b | 328.519 b | 324.35 b | 0.9873 | 1089.97 b | 7.60707 b | 5.3685 b |
| JENDL-4.0u | 327.516 b | 327.516 b | 323.46 b | 0.98762 | 1092.06 b | 6.8093 b | 5.13351 b |
| TENDL-2019 | 328.042 b | 328.042 b | 322.24 b | 0.98231 | 1108.13 b | 7.60544 b | 5.36849 b |

| | | |
|------------------|------------------------|---------------|
| << 76-Os-186 | 76-Os-187 | 76-Os-188 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



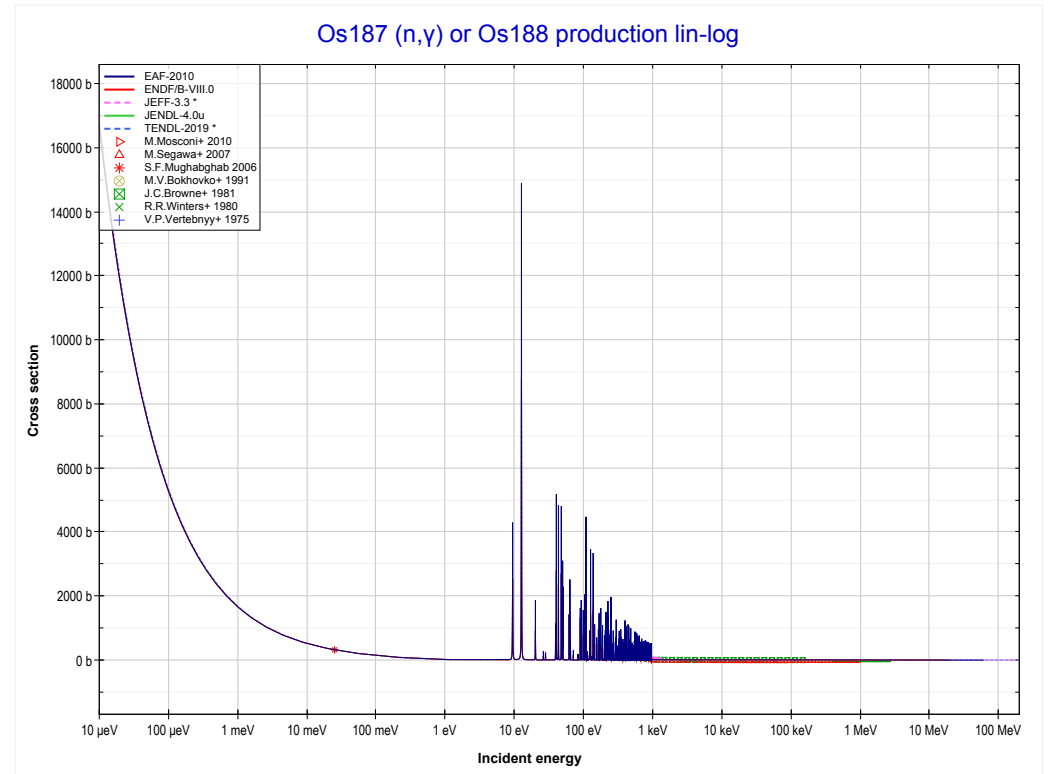
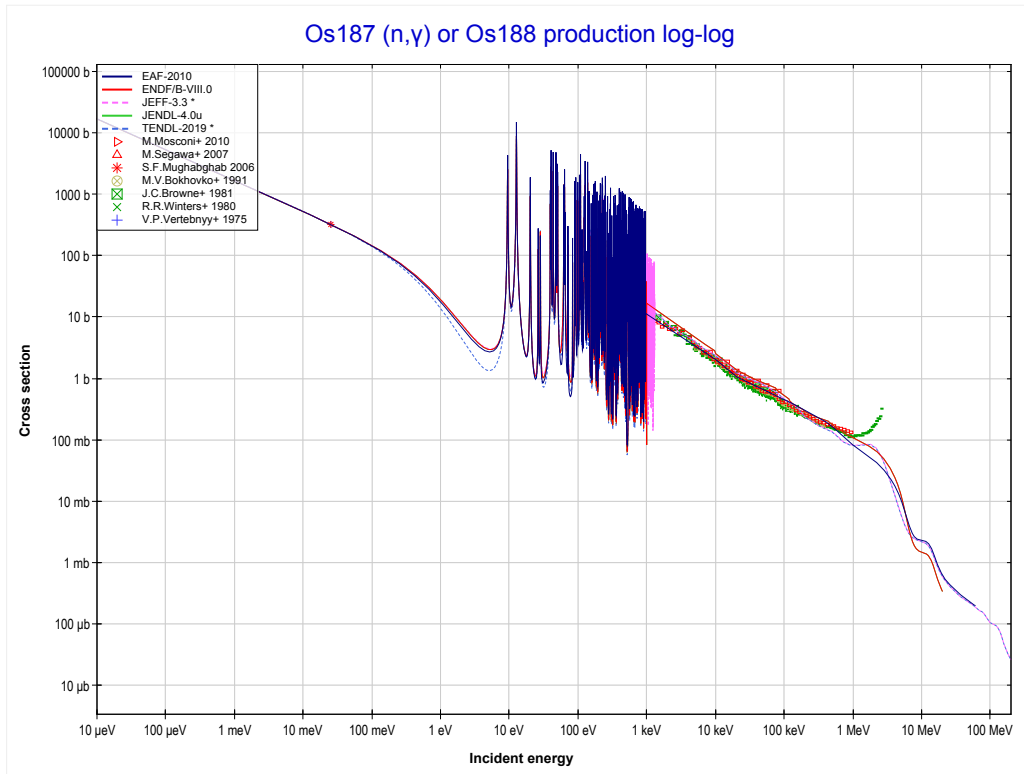
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.82065 b | 7.82065 b | 8.7111 b | 1.11386 | 547.084 b | 3.83986 b | 2.60057 b |
| JEFF-3.3 | 7.09836 b | 7.09836 b | 7.8767 b | 1.10966 | 516.981 b | 3.8088 b | 2.67464 b |
| JENDL-4.0u | 7.82065 b | 7.82065 b | 8.7111 b | 1.11386 | 547.084 b | 3.83986 b | 2.60057 b |
| TENDL-2019 | 7.93006 b | 7.93006 b | 8.9119 b | 1.12381 | 594.206 b | 3.80858 b | 2.67464 b |

| | | |
|--------------------|---|-------------------------|
| << 74-W-183 | 76-Os-187 | 76-Os-190 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Os187 production) | MT102 (n, γ) >> |



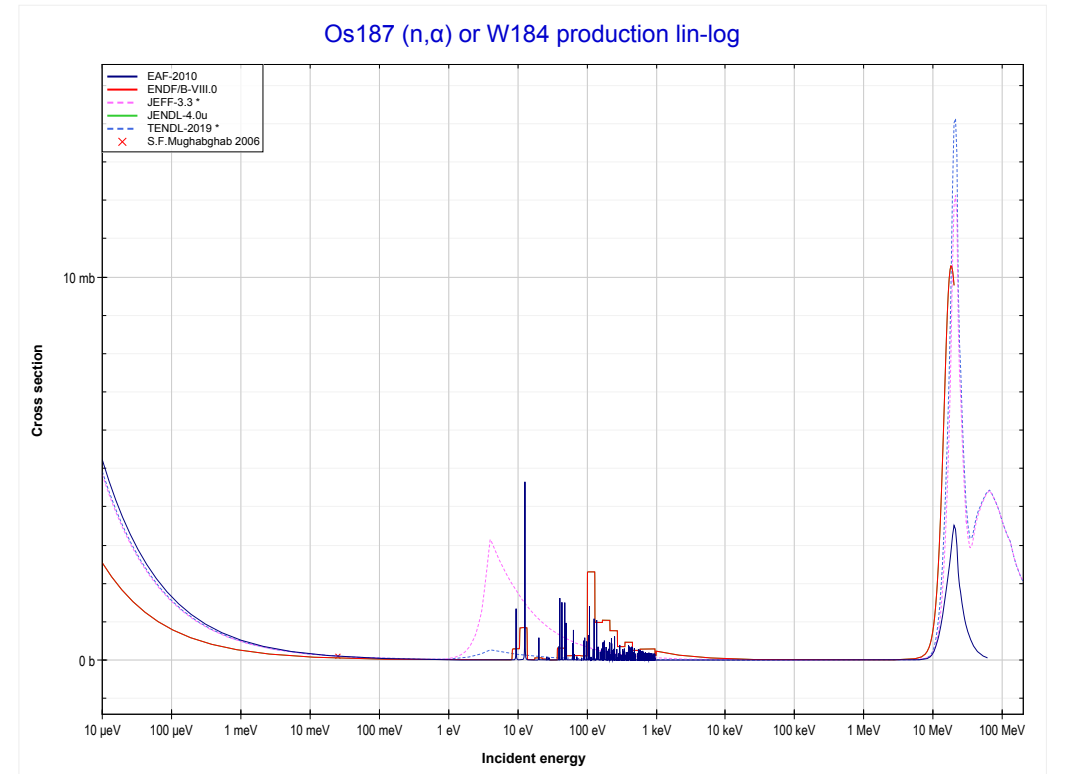
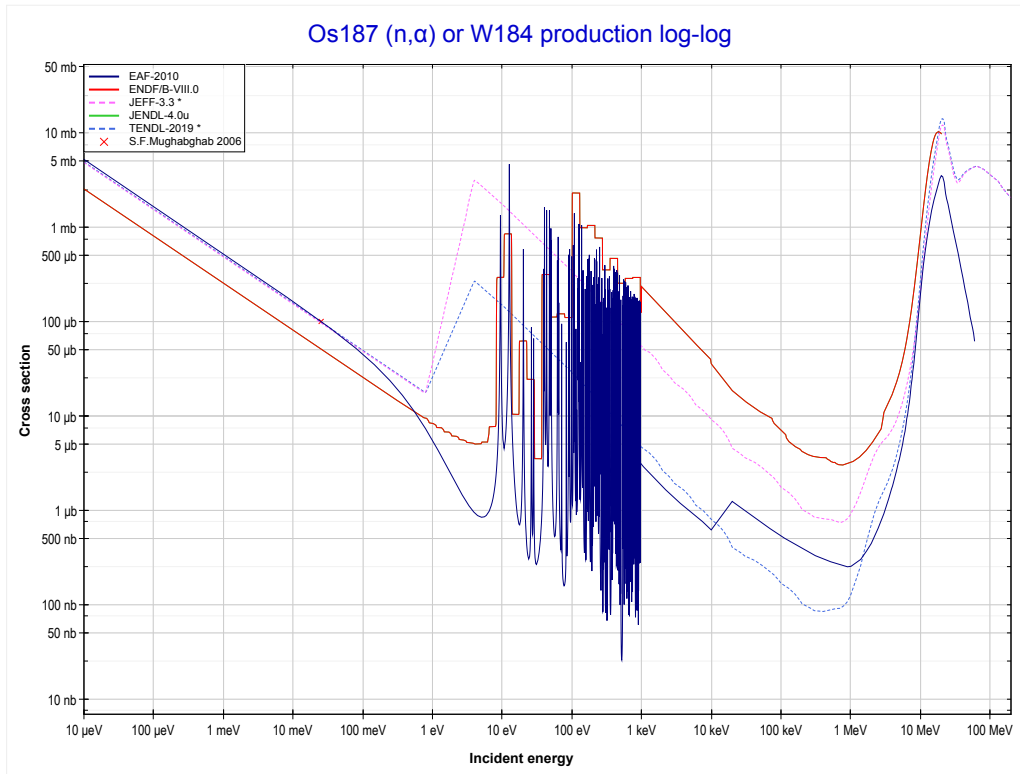
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 3.45443 b | 2.83973 b | 0.37172 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 4.23117 b | 3.68222 b | 0.537983 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 3.45443 b | 2.83973 b | 0.37172 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 4.2362 b | 3.68335 b | 0.537825 b |

| | | |
|---------------|--|-------------------------|
| << 76-Os-186 | 76-Os-187 | 76-Os-188 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Os188 production) | MT107 (n, α) >> |



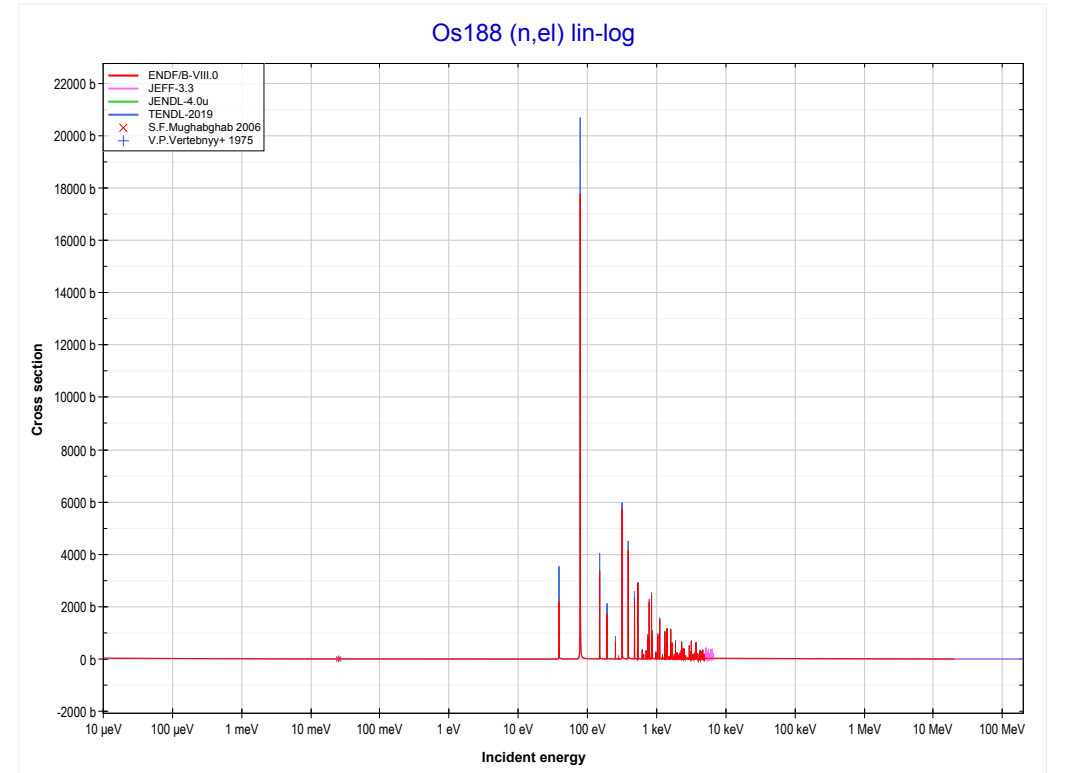
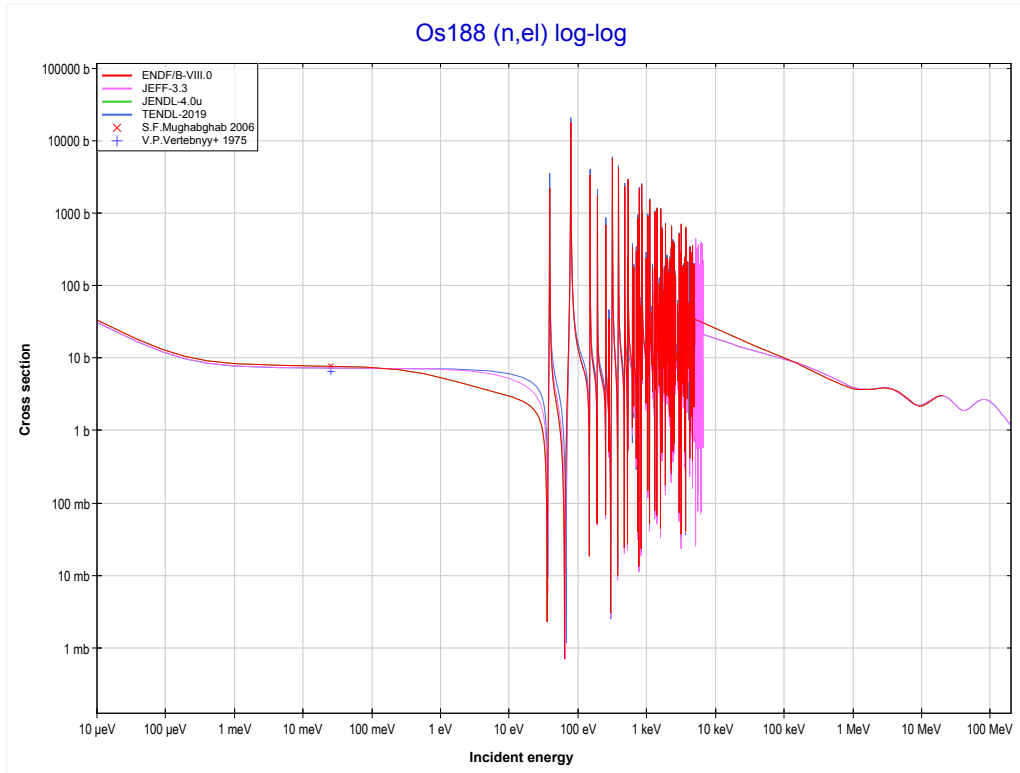
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 319.83 b | 319.571 b | 313.97 b | 0.9824 | 506.746 b | 0.089692 b | 0.0016844 b |
| ENDF/B-VIII.0 | 319.696 b | 319.696 b | 314.75 b | 0.98454 | 541.524 b | 0.1092 b | 0.0010497 b |
| JEFF-3.3 | 321.421 b | 321.421 b | 316.47 b | 0.9846 | 568.752 b | 0.0930501 b | 0.00152731 b |
| JENDL-4.0u | 319.696 b | 319.696 b | 314.75 b | 0.98454 | 541.524 b | 0.1092 b | 0.0010497 b |
| TENDL-2019 | 320.111 b | 320.111 b | 313.33 b | 0.9788 | 509.688 b | 0.0913869 b | 0.00152577 b |

| | | |
|-------------------------|---|------------------------------|
| << 76-Os-184 | 76-Os-187 | 76-Os-188 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (W184 production) | 76-Os-188 MT2 (n,elastic) >> |



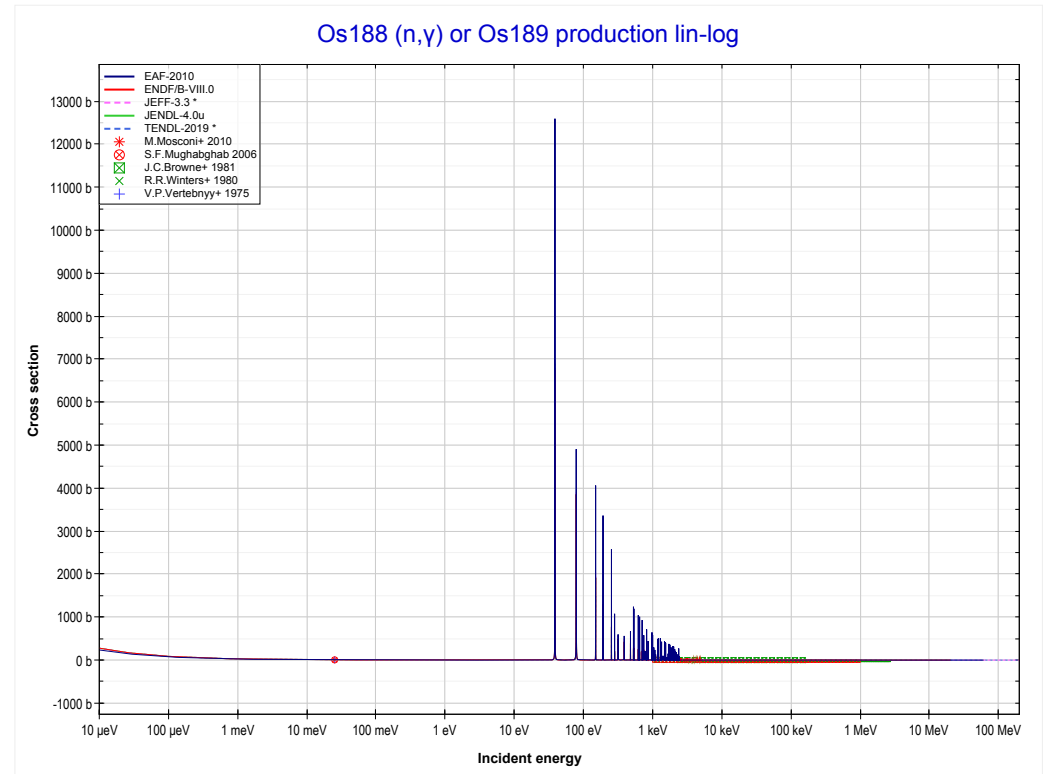
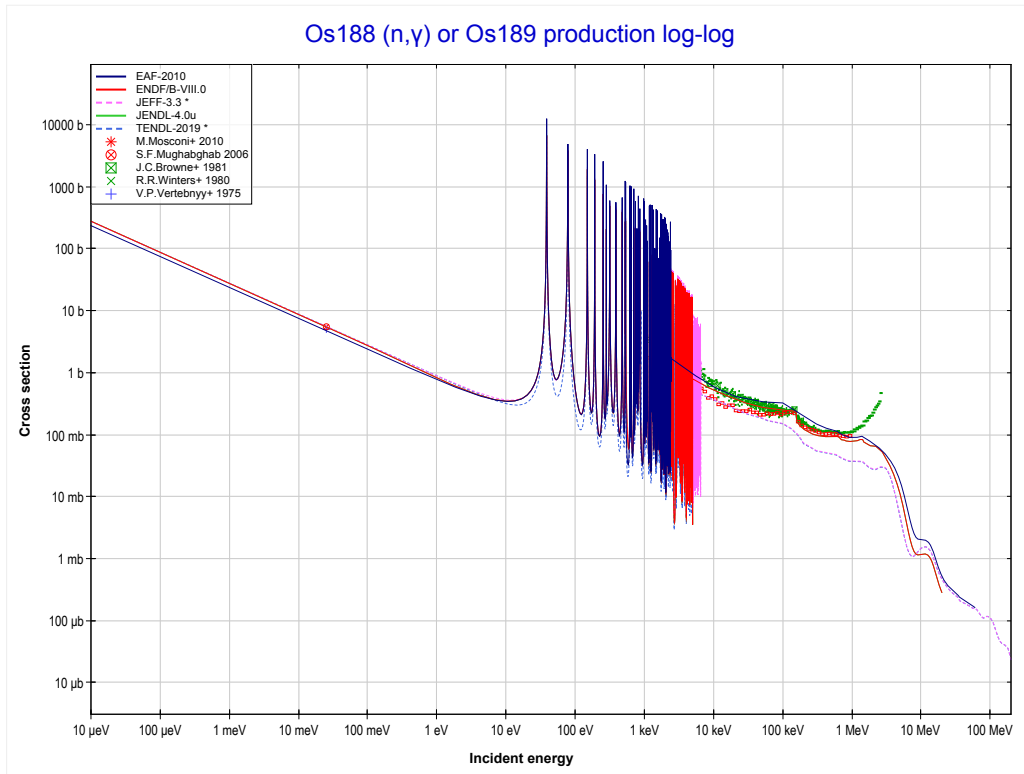
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-4 b | 9.9919E-5 b | 9.8167E-5 b | 0.9824 | 1.59192E-4 b | 2.51313E-6 b | 0.00128329 b |
| ENDF/B-VIII.0 | 5.05432E-5 b | 5.05432E-5 b | 5.0579E-5 b | 1.0007 | 0.00247338 b | 1.59468E-5 b | 0.00586004 b |
| JEFF-3.3 | 9.61616E-5 b | 9.61616E-5 b | 9.6191E-5 b | 1.00031 | 0.00564142 b | 5.78658E-6 b | 0.00214491 b |
| JENDL-4.0u | 5.05432E-5 b | 5.05432E-5 b | 5.0579E-5 b | 1.0007 | 0.00247338 b | 1.59468E-5 b | 0.00586004 b |
| TENDL-2019 | 9.81016E-5 b | 9.81016E-5 b | 9.8051E-5 b | 0.99949 | 5.51147E-4 b | 4.03167E-6 b | 0.0029498 b |

| | | |
|-----------------------------------|------------------------|-------------------------|
| << 76-Os-187 | 76-Os-188 | 76-Os-189 >> |
| << 76-Os-187 MT107 (n, α) | MT2 (n,elastic) | MT102 (n, γ) >> |



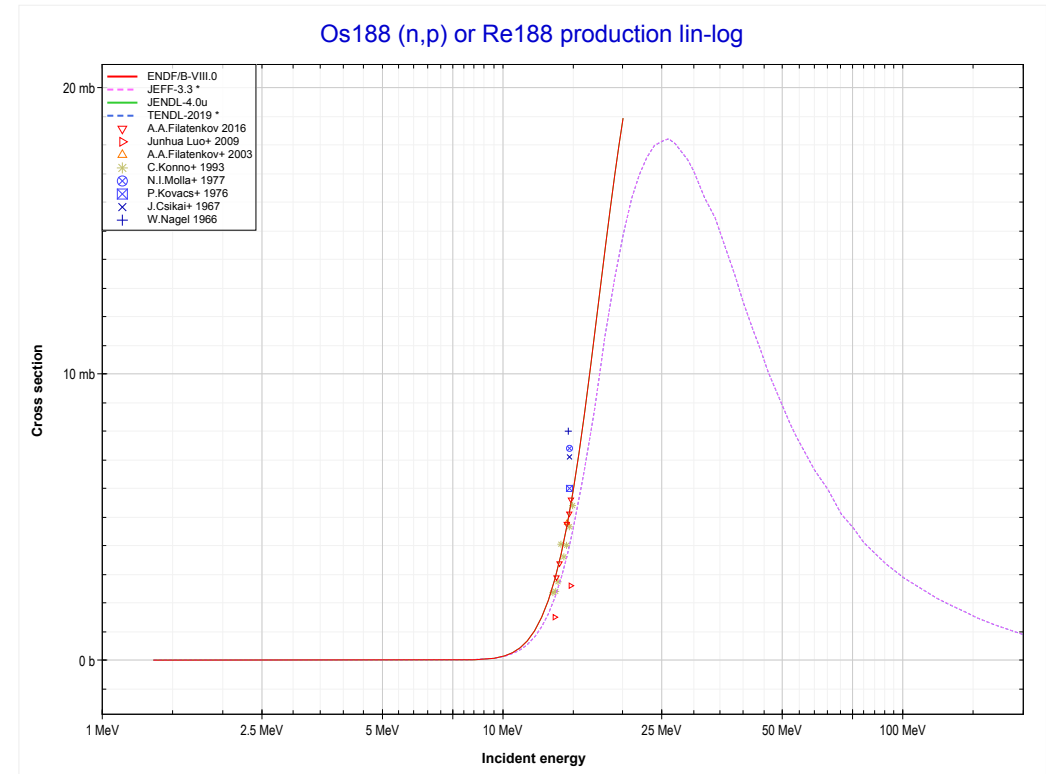
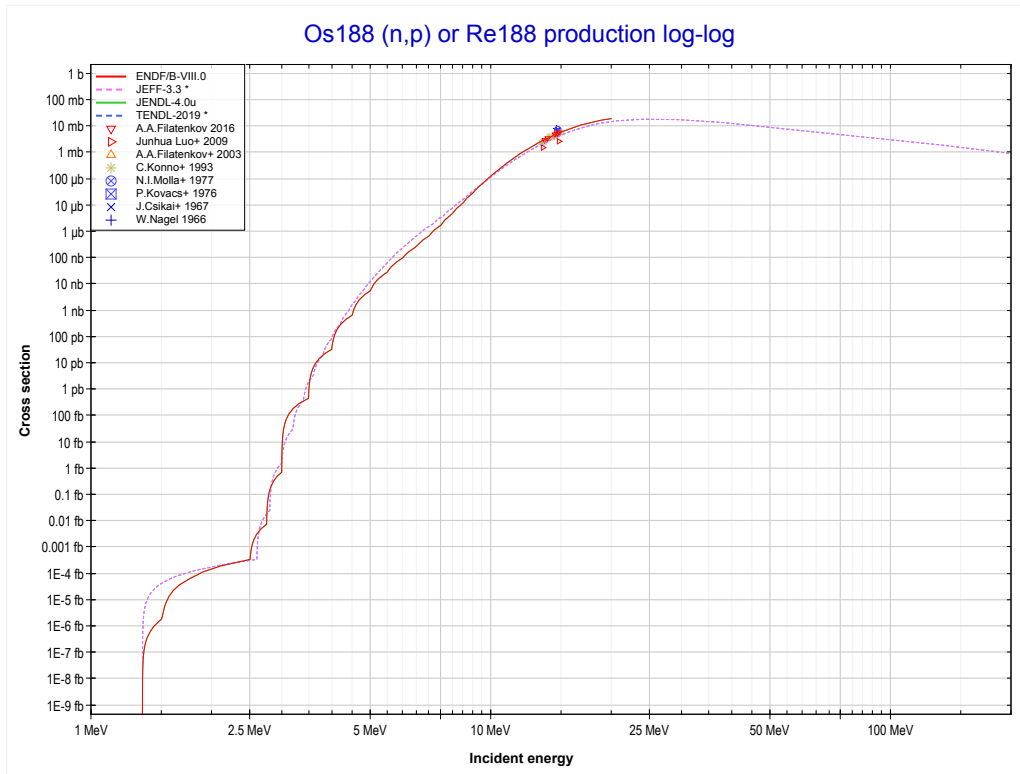
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.72664 b | 7.72664 b | 8.5998 b | 1.113 | 491.359 b | 4.21255 b | 2.61244 b |
| JEFF-3.3 | 7.27823 b | 7.27823 b | 8.2051 b | 1.12735 | 463.388 b | 4.31147 b | 2.67985 b |
| JENDL-4.0u | 7.72664 b | 7.72664 b | 8.5998 b | 1.113 | 491.359 b | 4.21255 b | 2.61244 b |
| TENDL-2019 | 7.24048 b | 7.24048 b | 8.1672 b | 1.12799 | 512.477 b | 4.31198 b | 2.67985 b |

| | | |
|--------------------|--|----------------|
| << 76-Os-187 | 76-Os-188 | 76-Os-189 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Os189 production) | MT103 (n,p) >> |



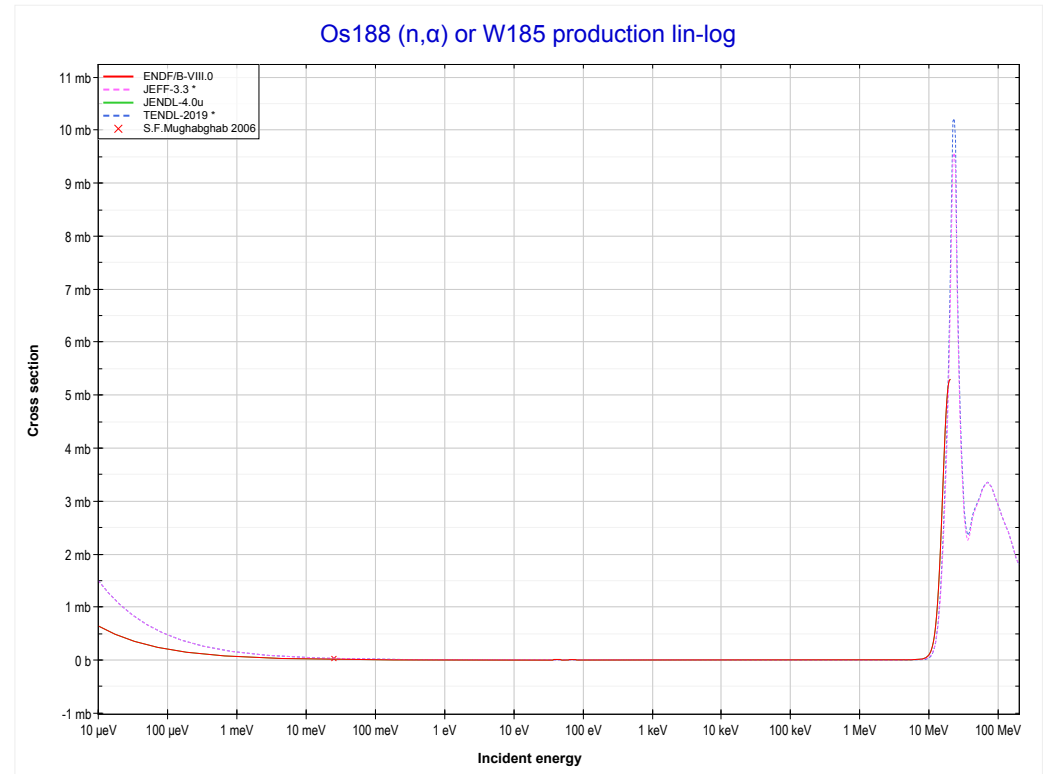
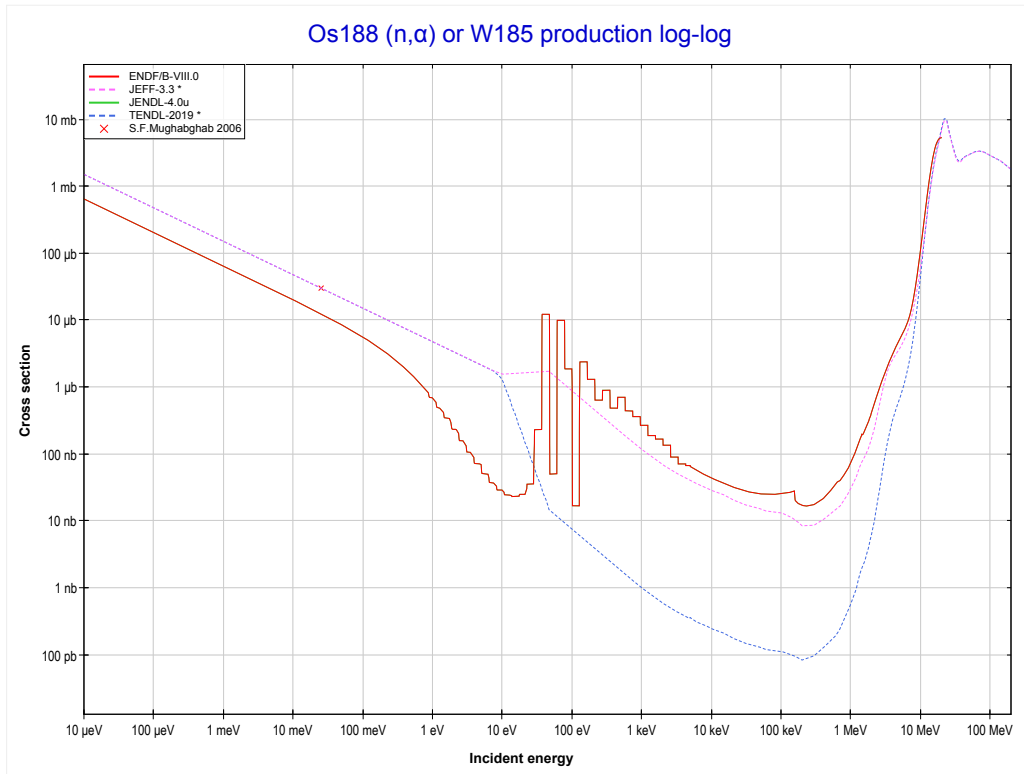
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.695 b | 4.69178 b | 4.7029 b | 1.00243 | 152.329 b | 0.0857486 b | 0.00156694 b |
| ENDF/B-VIII.0 | 5.50226 b | 5.50226 b | 5.4929 b | 0.9983 | 153.671 b | 0.0705746 b | 9.55179E-4 b |
| JEFF-3.3 | 5.47454 b | 5.47454 b | 5.4776 b | 1.00056 | 153.713 b | 0.0368051 b | 0.0012706 b |
| JENDL-4.0u | 5.50226 b | 5.50226 b | 5.4929 b | 0.9983 | 153.671 b | 0.0705746 b | 9.55179E-4 b |
| TENDL-2019 | 5.50921 b | 5.50921 b | 5.5099 b | 1.00012 | 115.24 b | 0.0361081 b | 0.0012699 b |

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|-------------------------|--|-------------------------|
| << 76-Os-186 | 76-Os-188 | 76-Os-189 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re188 production) | MT107 (n, α) >> |



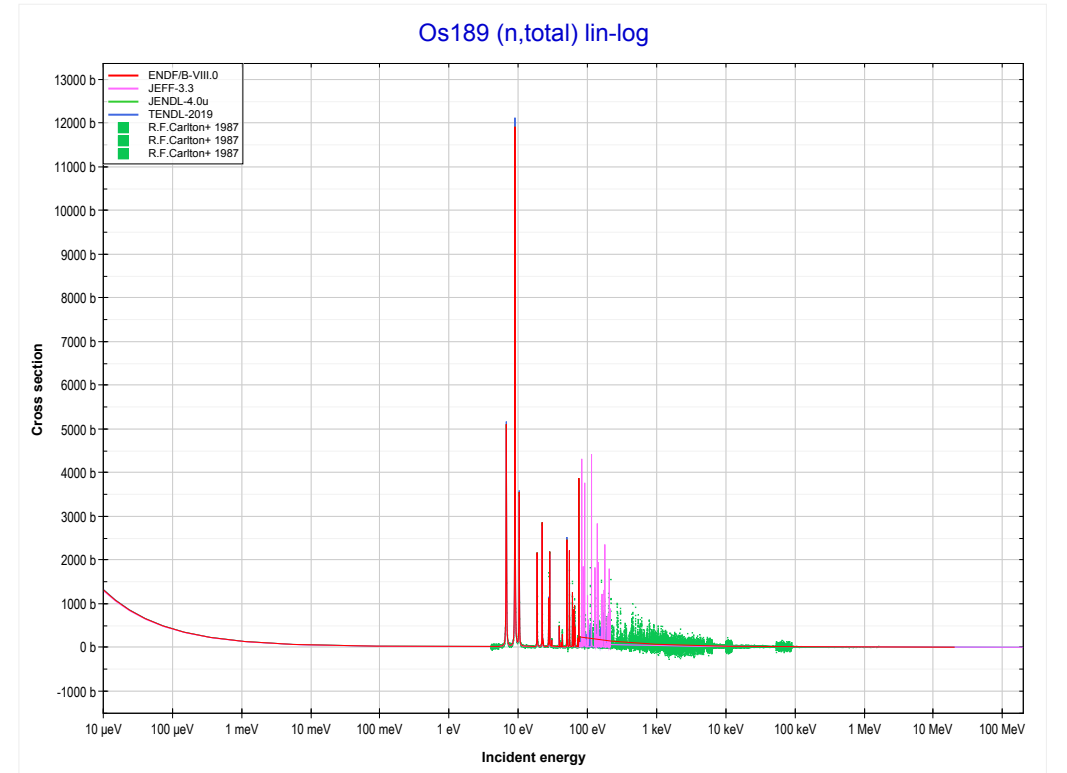
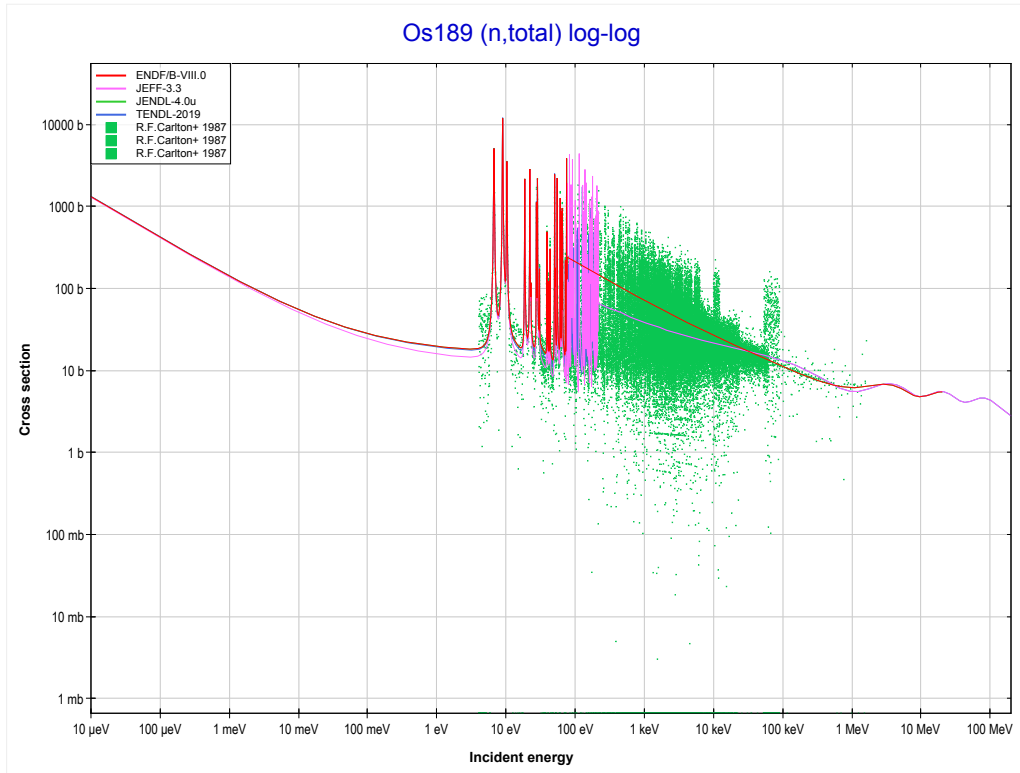
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.2378E-6 b | 0.00368816 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84716E-6 b | 0.00284719 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.2378E-6 b | 0.00368816 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84697E-6 b | 0.00284696 b |

| | | |
|----------------|---|----------------------------|
| << 76-Os-187 | 76-Os-188 | 76-Os-190 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (W185 production) | 76-Os-189 MT1 (n,total) >> |



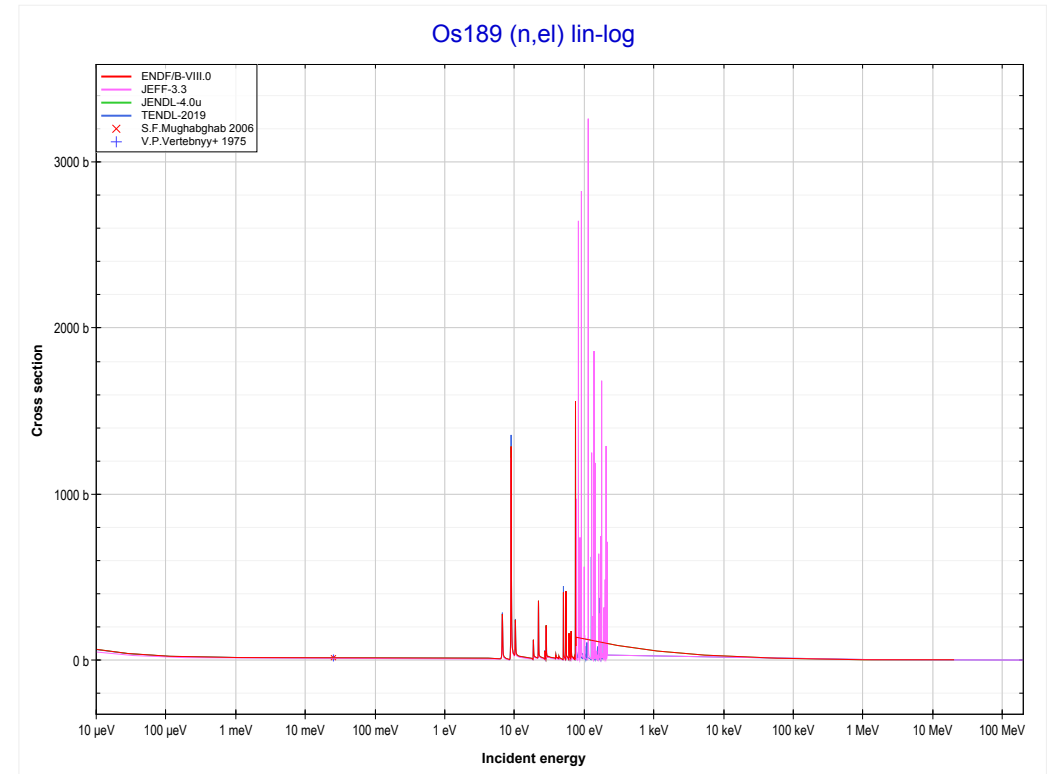
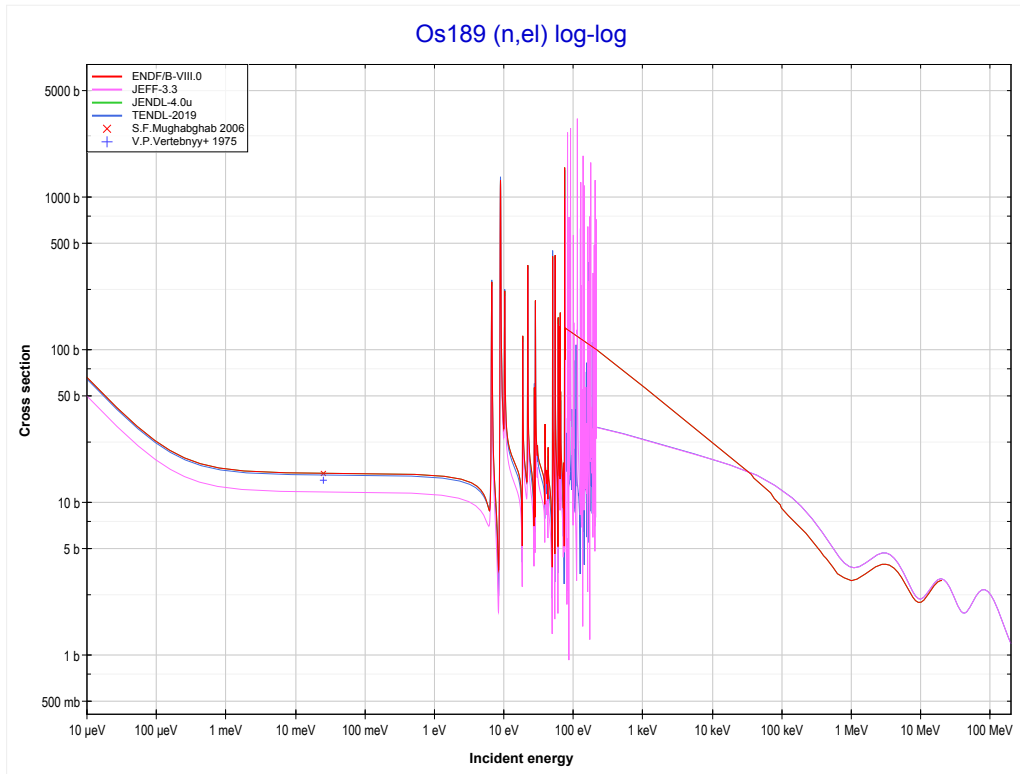
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 1.23486E-5 b | 1.23486E-5 b | 1.2144E-5 b | 0.9834 | 9.43046E-6 b | 2.31651E-6 b | 0.00164677 b |
| JEFF-3.3 | 2.9838E-5 b | 2.9838E-5 b | 2.9846E-5 b | 1.00026 | 1.49728E-5 b | 1.48889E-6 b | 9.23612E-4 b |
| JENDL-4.0u | 1.23486E-5 b | 1.23486E-5 b | 1.2144E-5 b | 0.98339 | 9.43045E-6 b | 2.31651E-6 b | 0.00164677 b |
| TENDL-2019 | 2.99572E-5 b | 2.99572E-5 b | 2.9951E-5 b | 0.99978 | 1.09114E-5 b | 7.75559E-7 b | 9.98835E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 76-Os-187 | 76-Os-189 | 76-Os-190 >> |
| << 76-Os-188 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



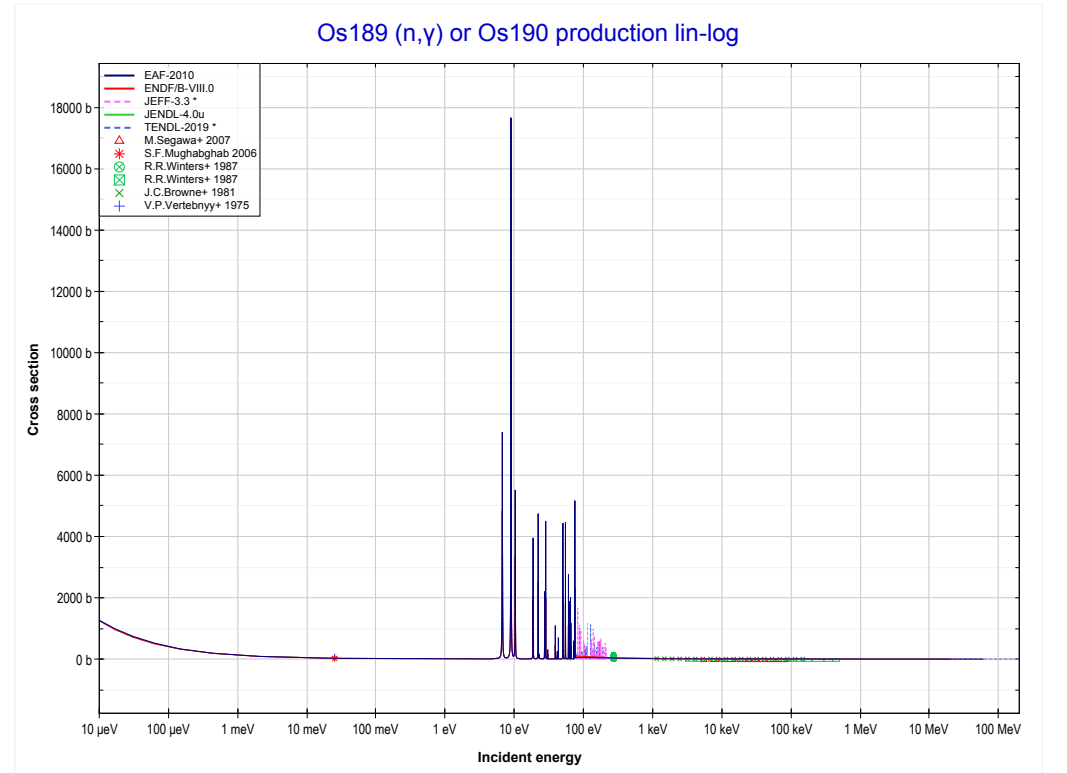
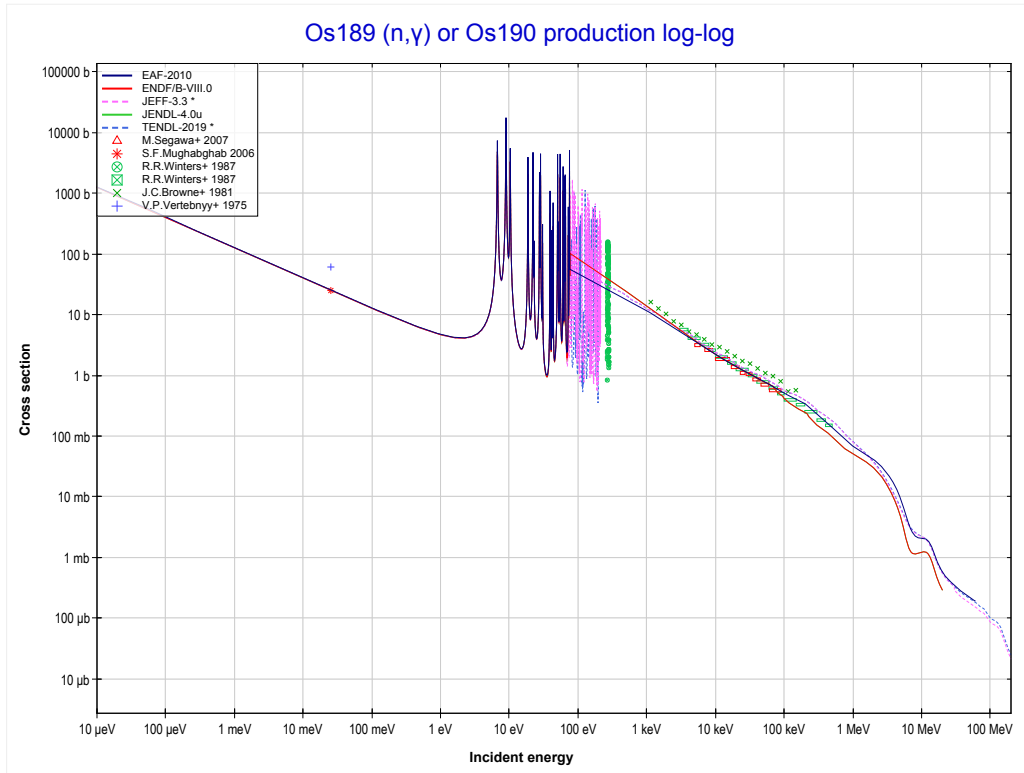
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 40.5515 b | 40.5515 b | 42.593 b | 1.05034 | 1324.54 b | 6.73292 b | 5.14201 b |
| JEFF-3.3 | 36.6114 b | 36.6114 b | 38.159 b | 1.04228 | 1144.56 b | 6.6578 b | 5.16083 b |
| JENDL-4.0u | 40.5515 b | 40.5515 b | 42.593 b | 1.05034 | 1324.54 b | 6.73292 b | 5.14201 b |
| TENDL-2019 | 40.4252 b | 40.4252 b | 42.405 b | 1.04896 | 1076.05 b | 6.65761 b | 5.16083 b |

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|------------------|------------------------|-------------------------|
| << 76-Os-188 | 76-Os-189 | 76-Os-190 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



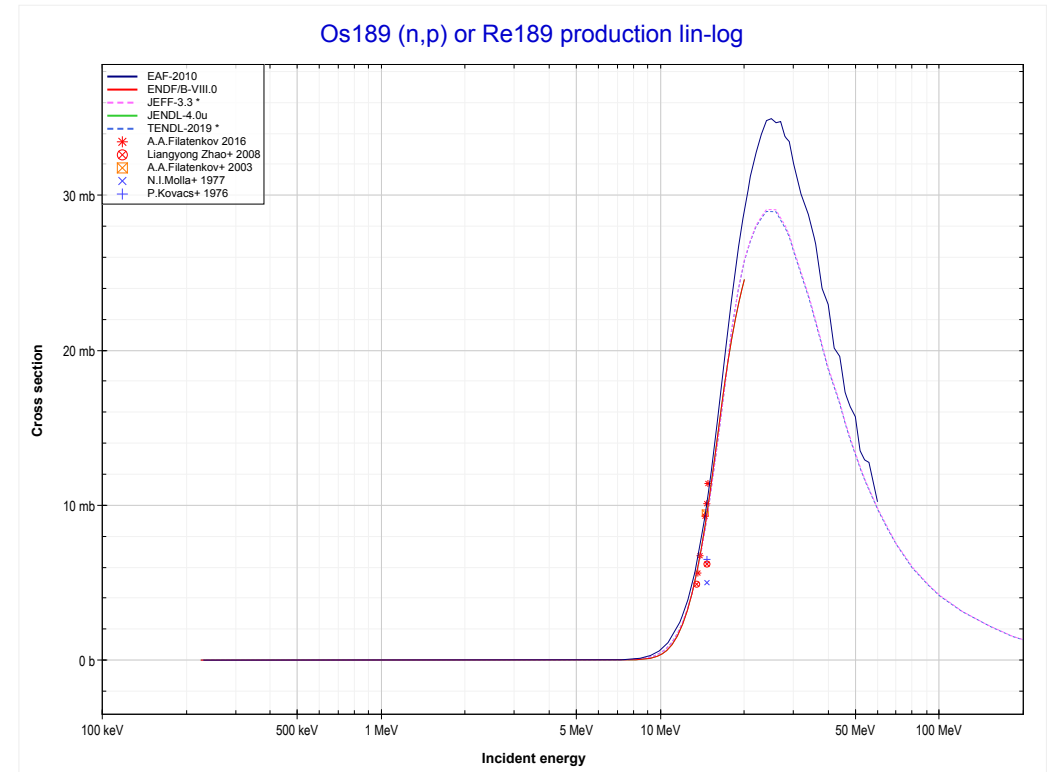
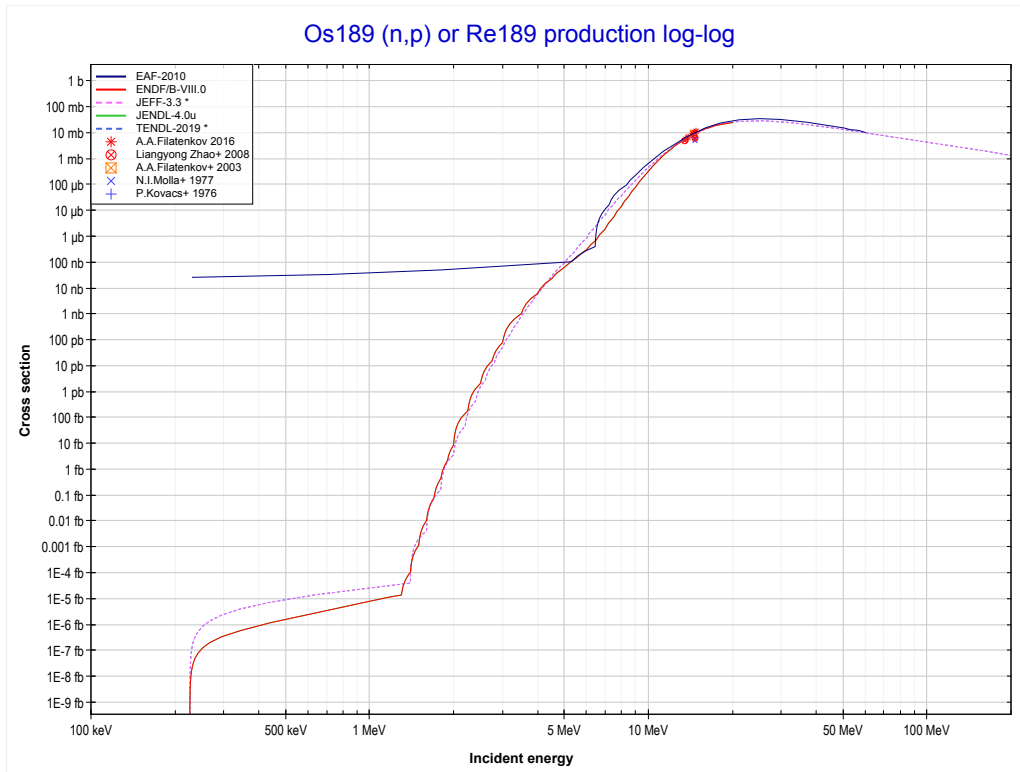
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.5489 b | 15.5489 b | 17.533 b | 1.12758 | 516.317 b | 3.8803 b | 2.65727 b |
| JEFF-3.3 | 11.7294 b | 11.7294 b | 13.224 b | 1.12741 | 367.419 b | 4.74444 b | 2.75438 b |
| JENDL-4.0u | 15.5489 b | 15.5489 b | 17.533 b | 1.12758 | 516.317 b | 3.8803 b | 2.65727 b |
| TENDL-2019 | 15.15 b | 15.15 b | 17.082 b | 1.12755 | 303.575 b | 4.74499 b | 2.75438 b |

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|--------------------|--|----------------|
| << 76-Os-188 | 76-Os-189 | 76-Os-190 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Os190 production) | MT103 (n,p) >> |



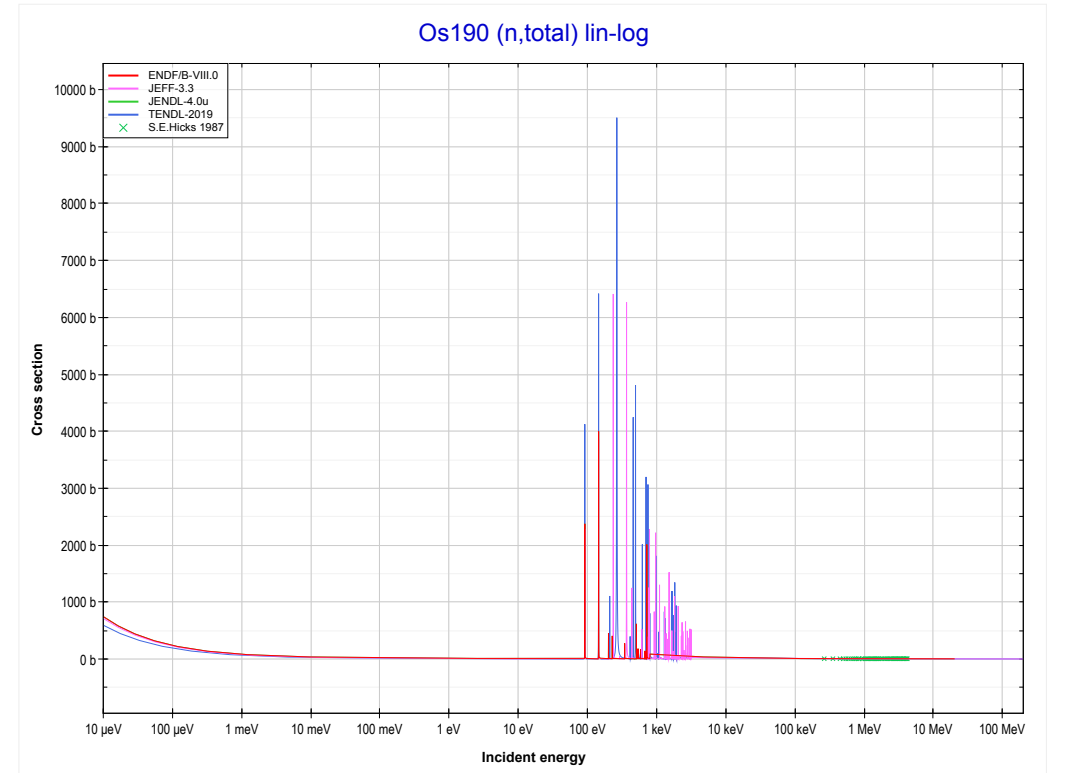
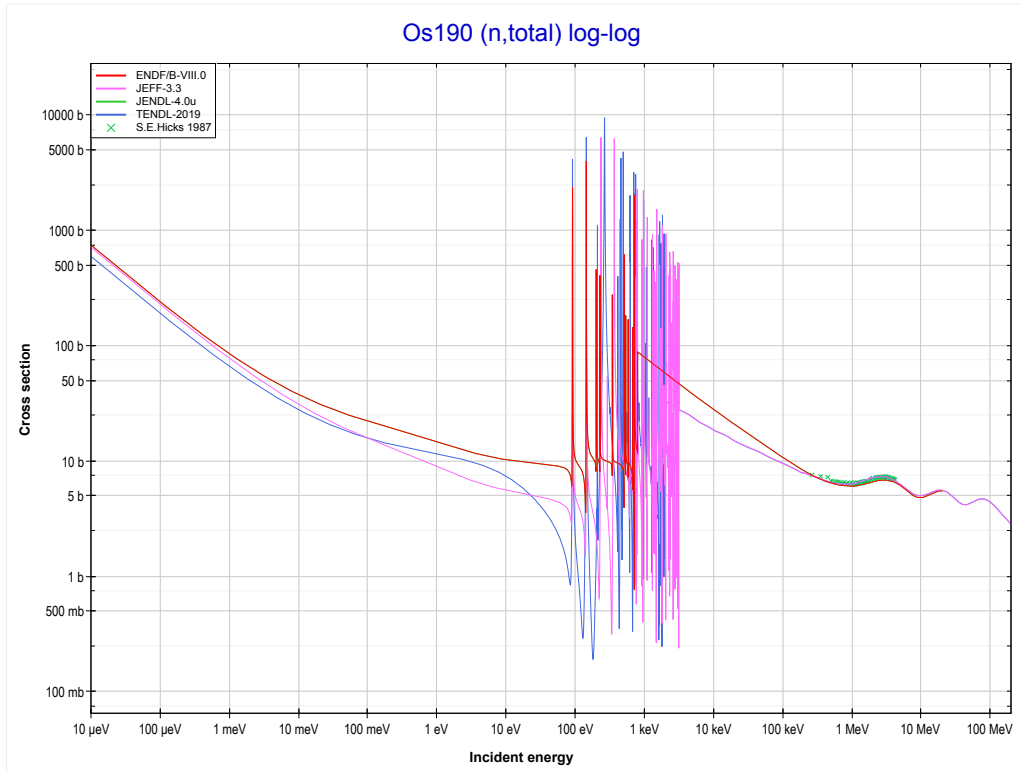
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 25.305 b | 25.2867 b | 25.396 b | 1.00436 | 770.394 b | 0.0841323 b | 0.0015023 b |
| ENDF/B-VIII.0 | 25.0026 b | 25.0026 b | 25.06 b | 1.00231 | 807.476 b | 0.0631713 b | 8.75552E-4 b |
| JEFF-3.3 | 24.882 b | 24.882 b | 24.936 b | 1.00215 | 776.94 b | 0.0943915 b | 0.00139549 b |
| JENDL-4.0u | 25.0026 b | 25.0026 b | 25.06 b | 1.00231 | 807.476 b | 0.0631713 b | 8.75552E-4 b |
| TENDL-2019 | 25.2751 b | 25.2751 b | 25.322 b | 1.00186 | 772.242 b | 0.0954723 b | 0.0014044 b |

| | | |
|-------------------------|--|----------------------------|
| << 76-Os-188 | 76-Os-189 | 76-Os-190 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re189 production) | 76-Os-190 MT1 (n,total) >> |



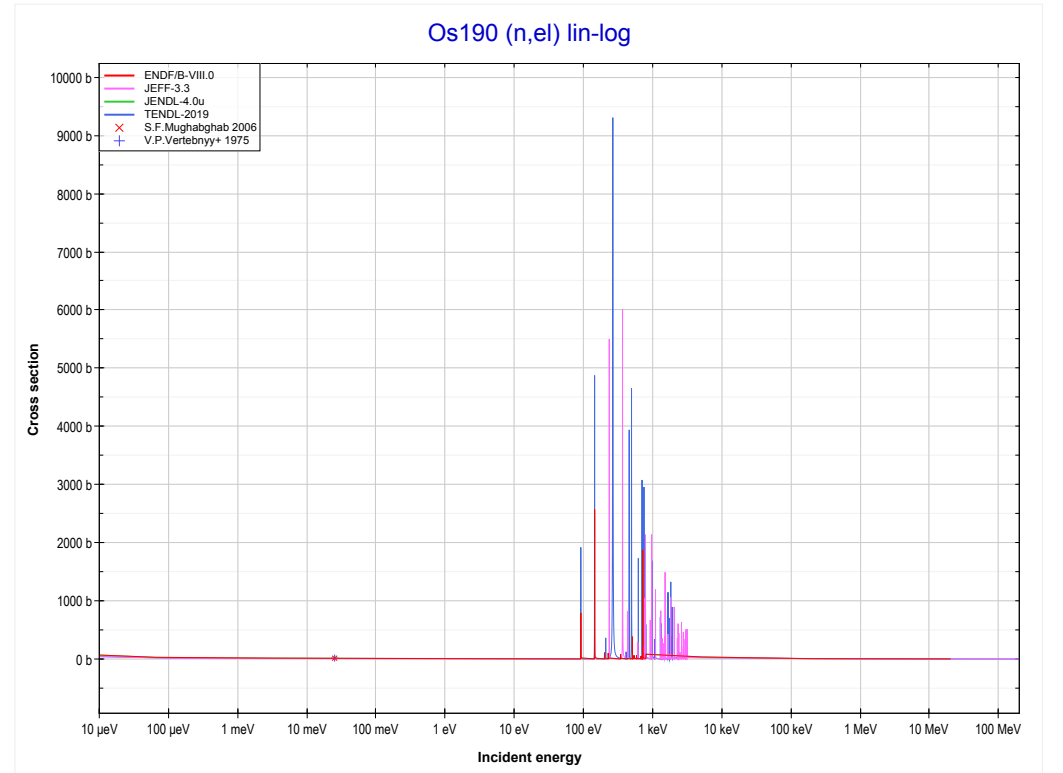
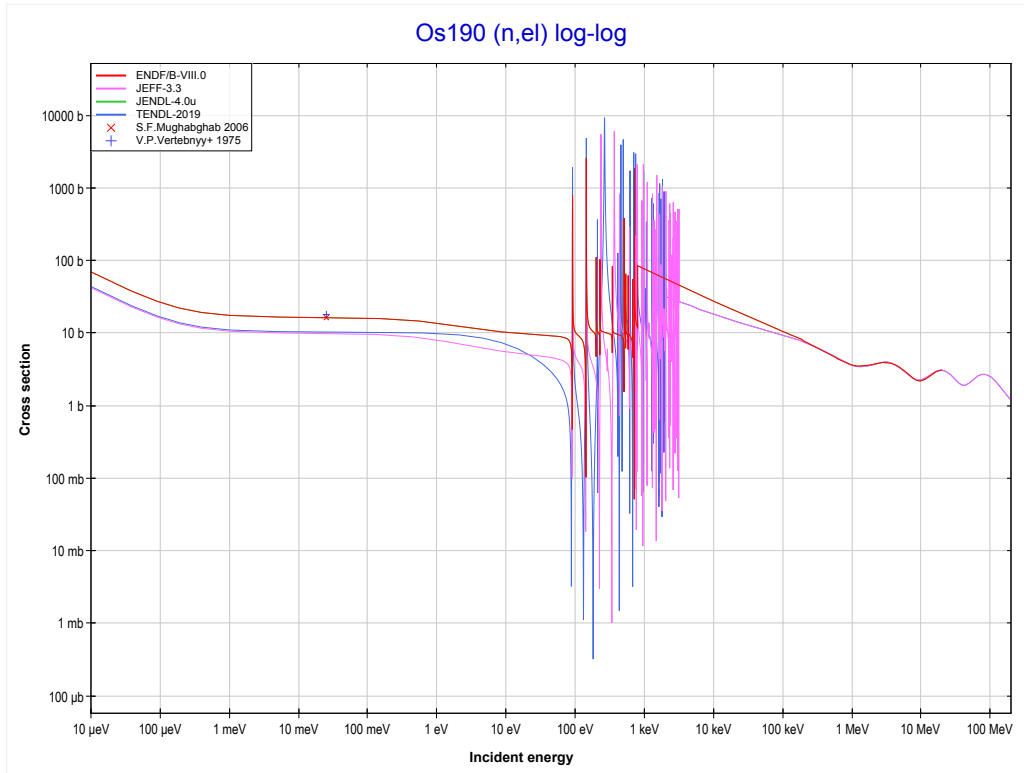
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 6.79005E-6 b | 0.00783024 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.68696E-6 b | 0.00709955 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36755E-6 b | 0.00697612 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.68696E-6 b | 0.00709955 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.36717E-6 b | 0.00697597 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 76-Os-189 | 76-Os-190 | 76-Os-192 >> |
| << 76-Os-189 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



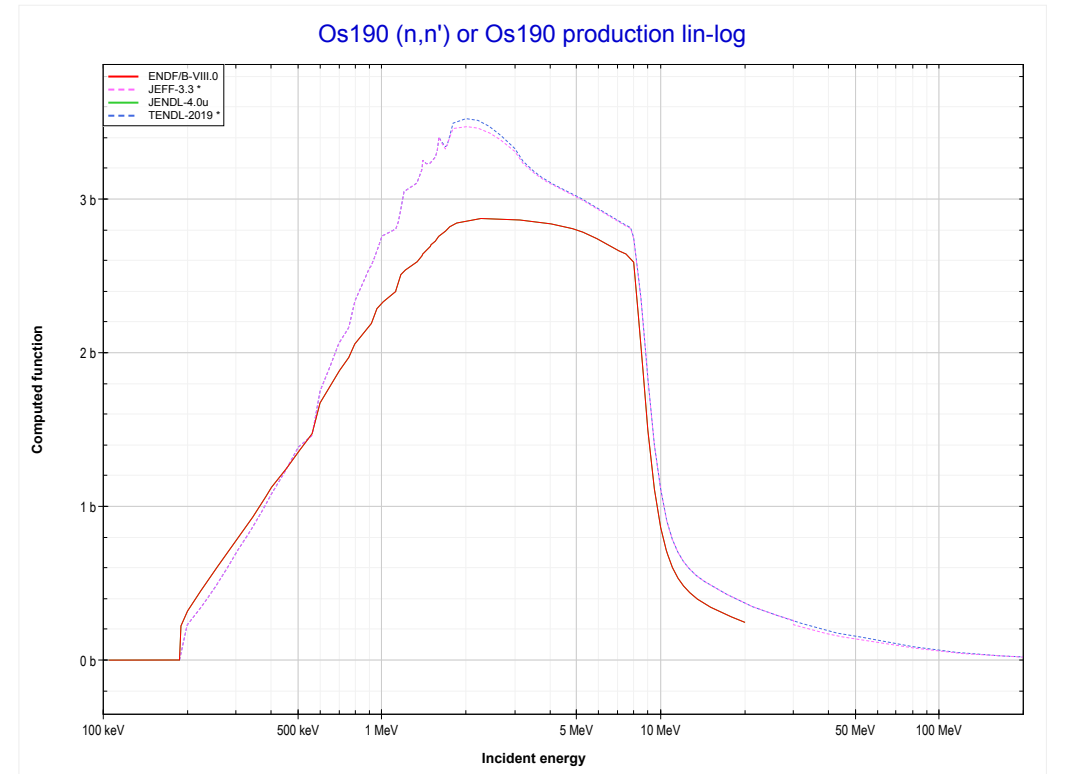
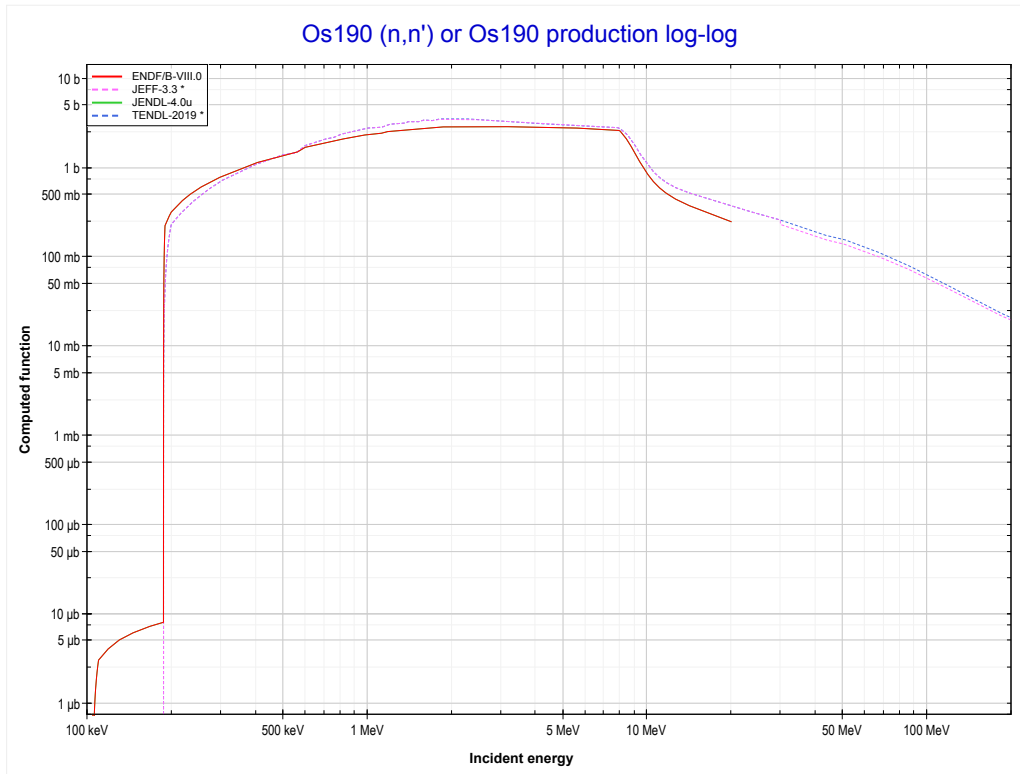
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.4536 b | 29.4536 b | 31.286 b | 1.06222 | 293.818 b | 6.62506 b | 5.14903 b |
| JEFF-3.3 | 22.9173 b | 22.9173 b | 23.957 b | 1.04538 | 279.433 b | 6.88403 b | 5.32321 b |
| JENDL-4.0u | 29.4536 b | 29.4536 b | 31.286 b | 1.06222 | 293.818 b | 6.62506 b | 5.14903 b |
| TENDL-2019 | 21.2831 b | 21.2831 b | 22.59 b | 1.06141 | 539.919 b | 6.89706 b | 5.32564 b |

| | | |
|------------------|------------------------|---------------|
| << 76-Os-189 | 76-Os-190 | 76-Os-192 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



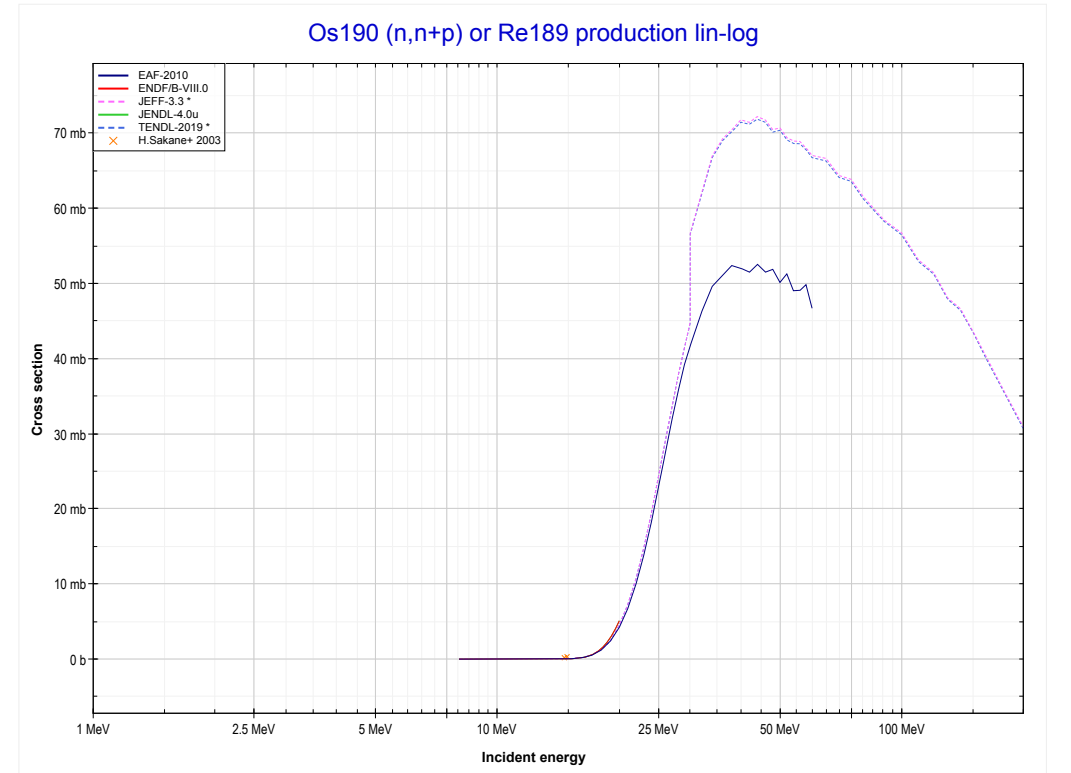
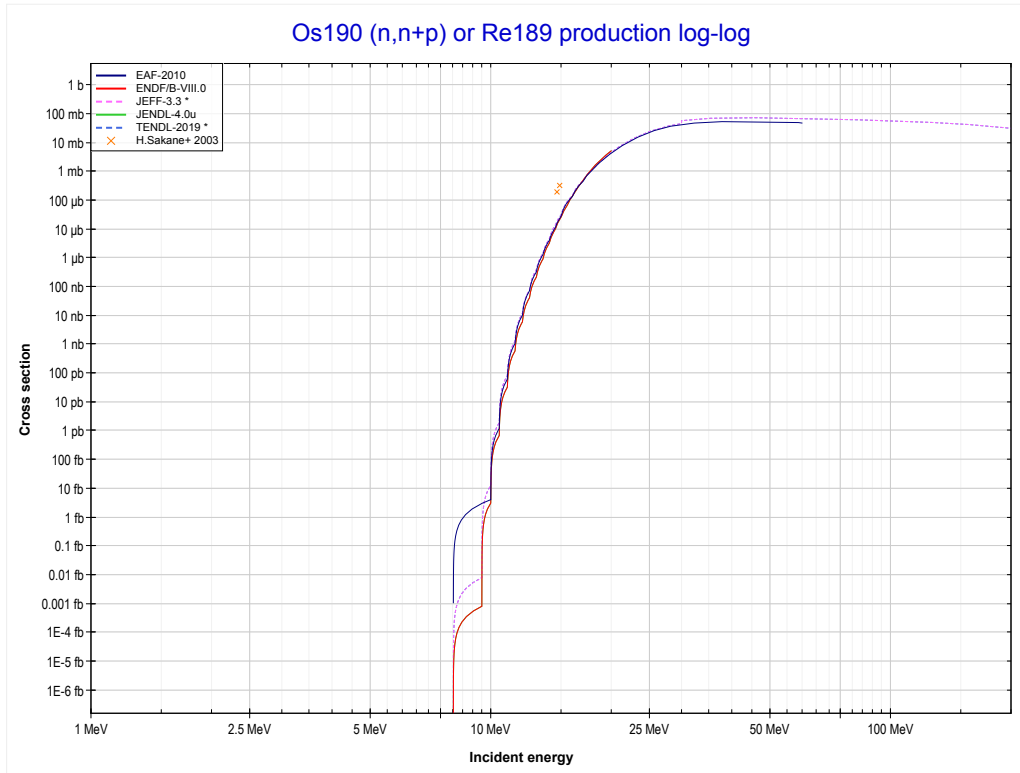
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 16.3466 b | 16.3466 b | 18.331 b | 1.12142 | 269.185 b | 4.23514 b | 2.63433 b |
| JEFF-3.3 | 9.87978 b | 9.87978 b | 11.066 b | 1.12006 | 249.64 b | 4.16619 b | 2.7098 b |
| JENDL-4.0u | 16.3466 b | 16.3466 b | 18.331 b | 1.12142 | 269.185 b | 4.23514 b | 2.63433 b |
| TENDL-2019 | 10.3306 b | 10.3306 b | 11.644 b | 1.12716 | 498.276 b | 4.16834 b | 2.7098 b |

| | | |
|--------------------|---|-----------------|
| << 76-Os-187 | 76-Os-190 | 76-Os-192 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Os190 production) | MT28 (n,n+p) >> |



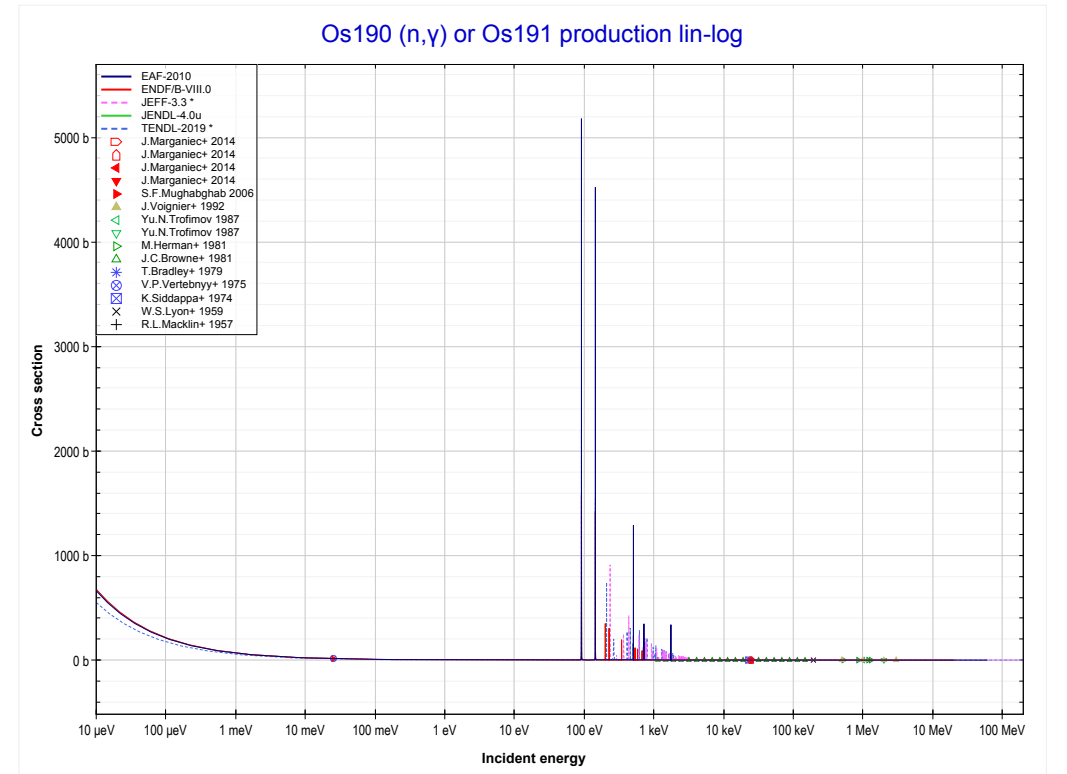
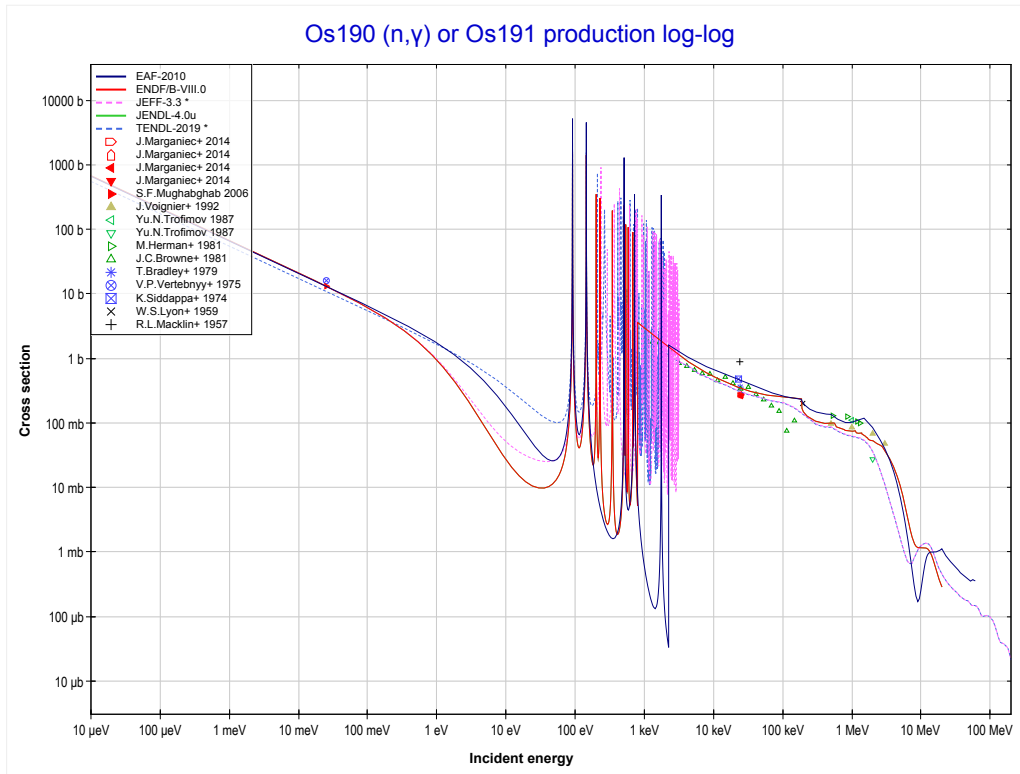
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.31505 b | 0.379467 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.65963 b | 0.523974 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.31505 b | 0.379467 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.67151 b | 0.524342 b |

| | | |
|---------------|---|-------------------------|
| << 74-W-186 | 76-Os-190 | 80-Hg-196 >> |
| << MT4 (n,n') | MT28 (n,n+p) or MT5 (Re189 production) | MT102 (n, γ) >> |



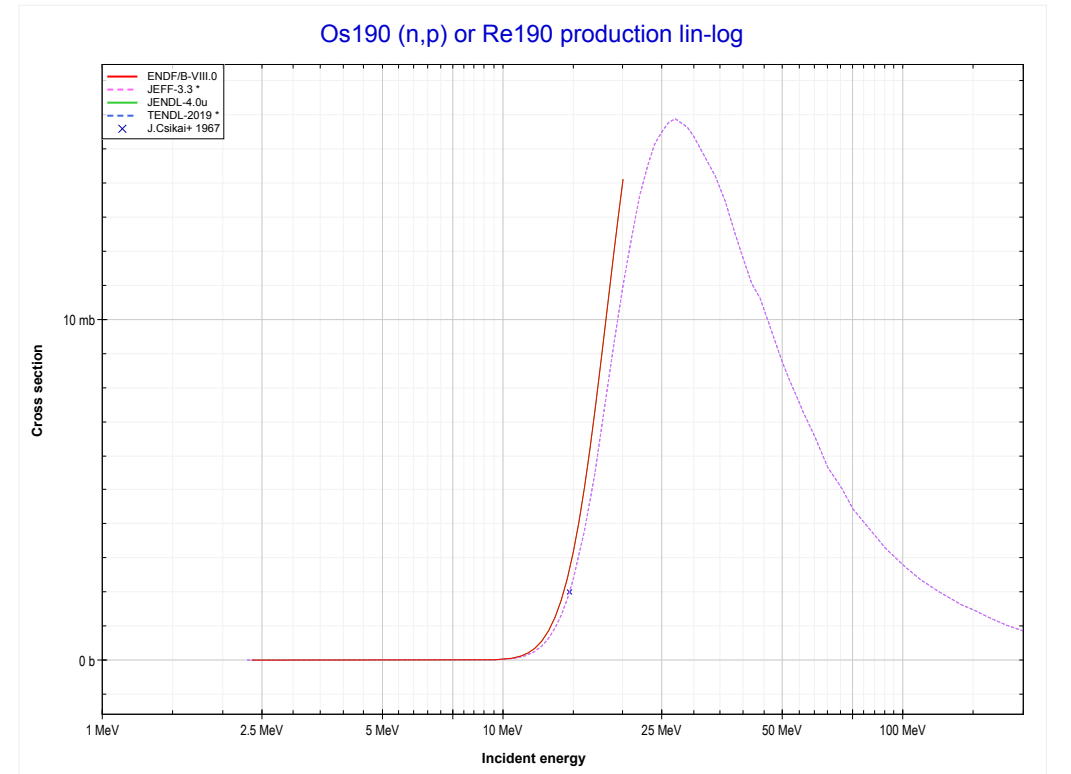
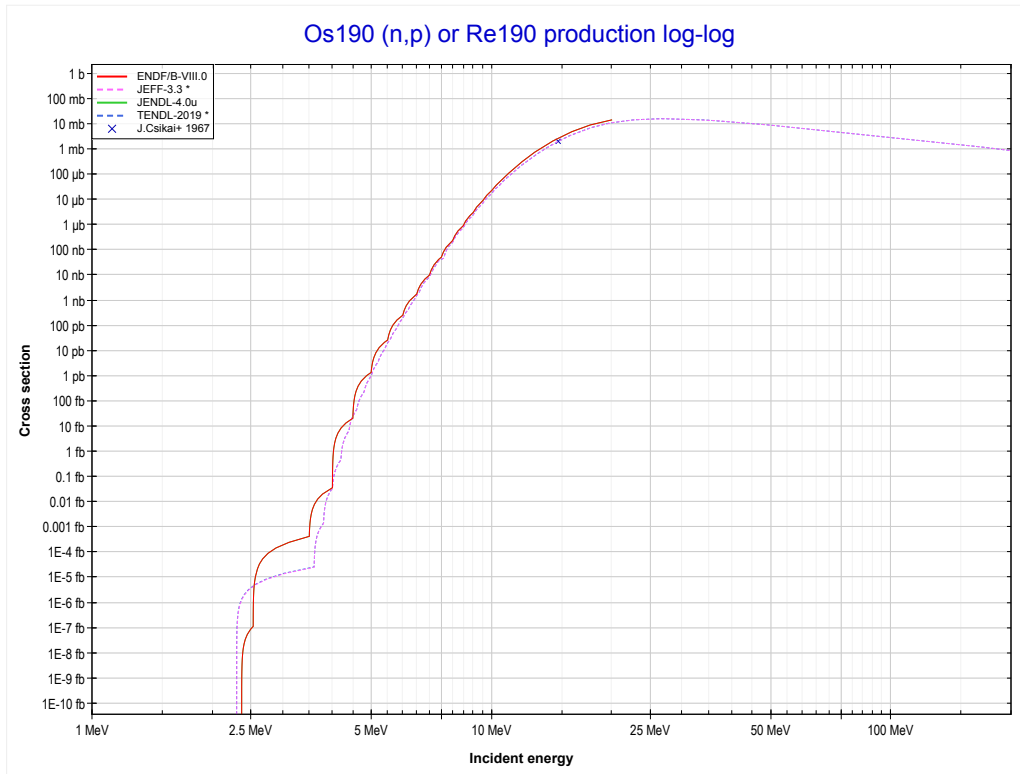
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55406E-8 b | 3.10971E-6 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.49591E-8 b | 4.32922E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.55406E-8 b | 3.10971E-6 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.50115E-8 b | 4.34768E-6 b |

| | | |
|-----------------|--|----------------|
| << 76-Os-189 | 76-Os-190 | 76-Os-191 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Os191 production) | MT103 (n,p) >> |



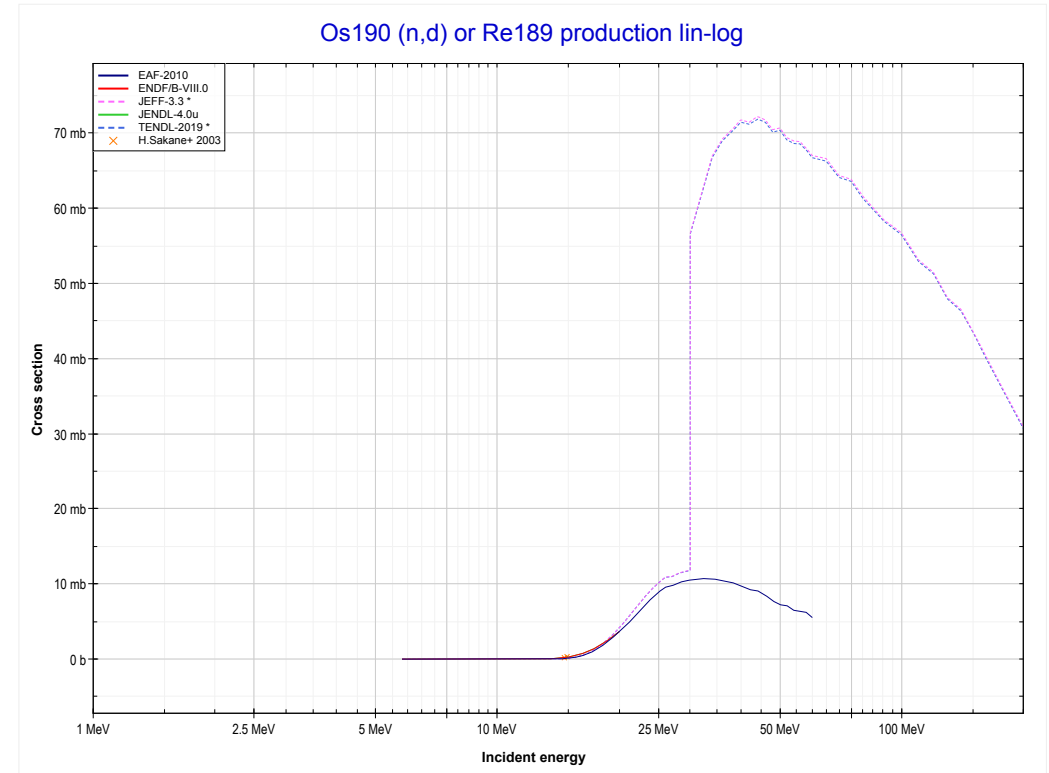
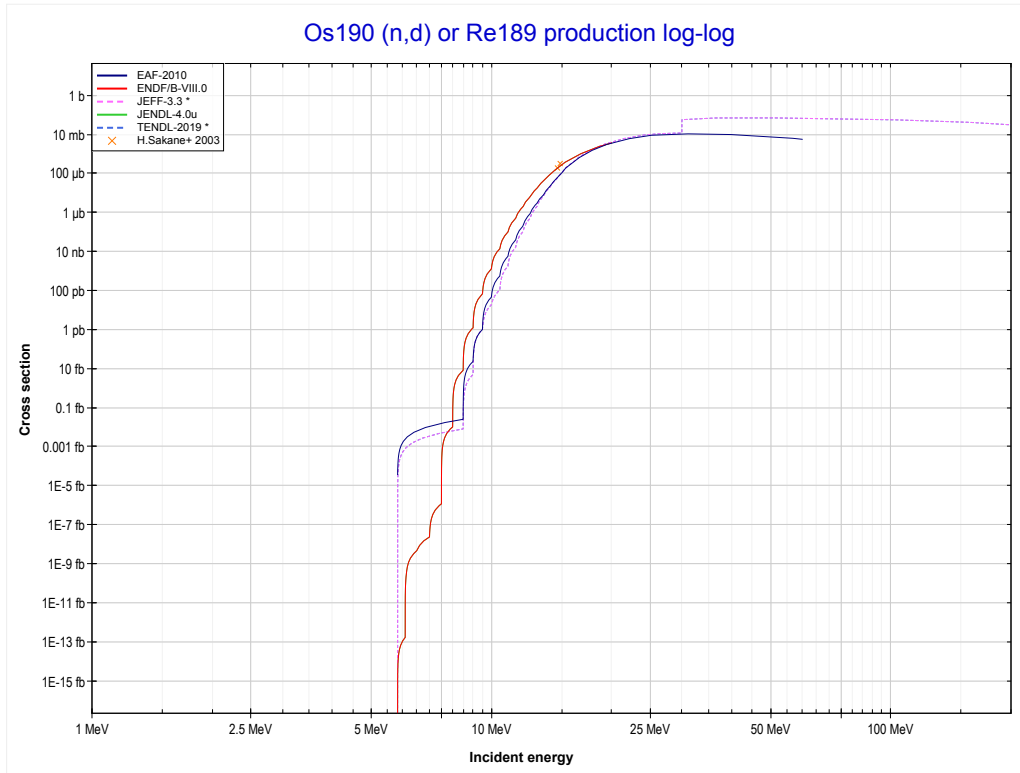
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 13.106 b | 13.0961 b | 13.064 b | 0.99752 | 24.6613 b | 0.0896548 b | 0.001 b |
| ENDF/B-VIII.0 | 13.107 b | 13.107 b | 12.955 b | 0.9884 | 24.6328 b | 0.06603 b | 9.26878E-4 b |
| JEFF-3.3 | 13.0375 b | 13.0375 b | 12.891 b | 0.98878 | 29.7928 b | 0.0503083 b | 0.00117939 b |
| JENDL-4.0u | 13.107 b | 13.107 b | 12.955 b | 0.9884 | 24.6328 b | 0.06603 b | 9.26878E-4 b |
| TENDL-2019 | 10.9524 b | 10.9524 b | 10.946 b | 0.99939 | 41.6435 b | 0.0496245 b | 0.00117926 b |

| | | |
|-------------------------|--|----------------|
| << 76-Os-189 | 76-Os-190 | 76-Os-192 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re190 production) | MT104 (n,d) >> |



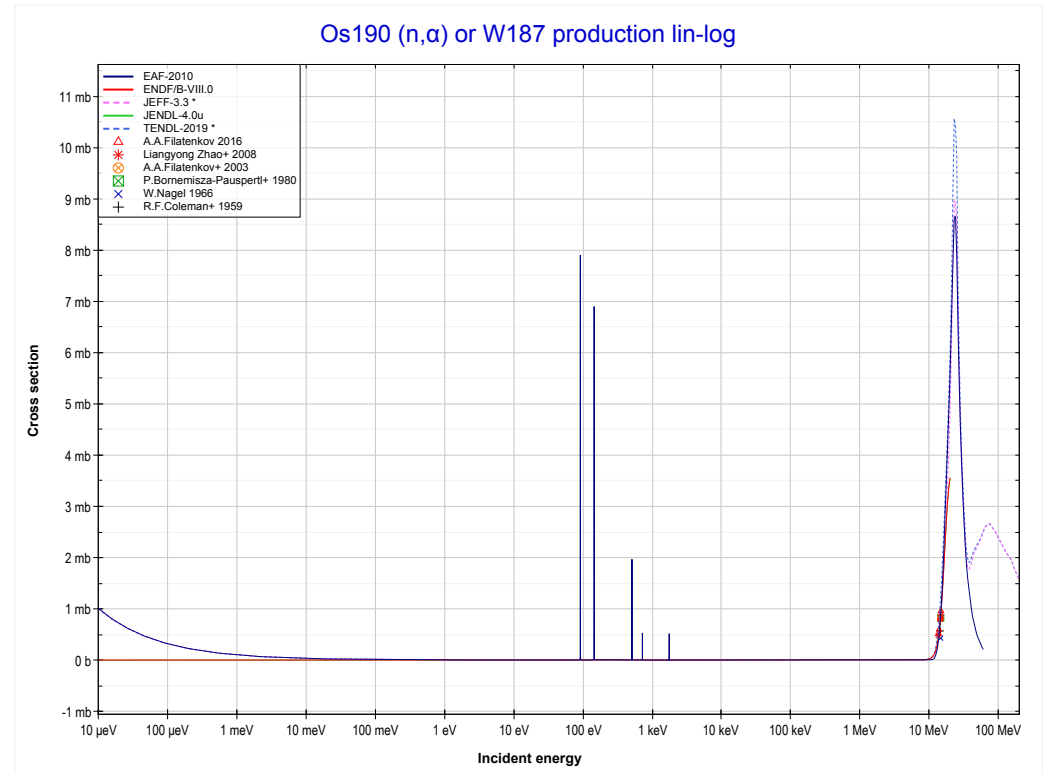
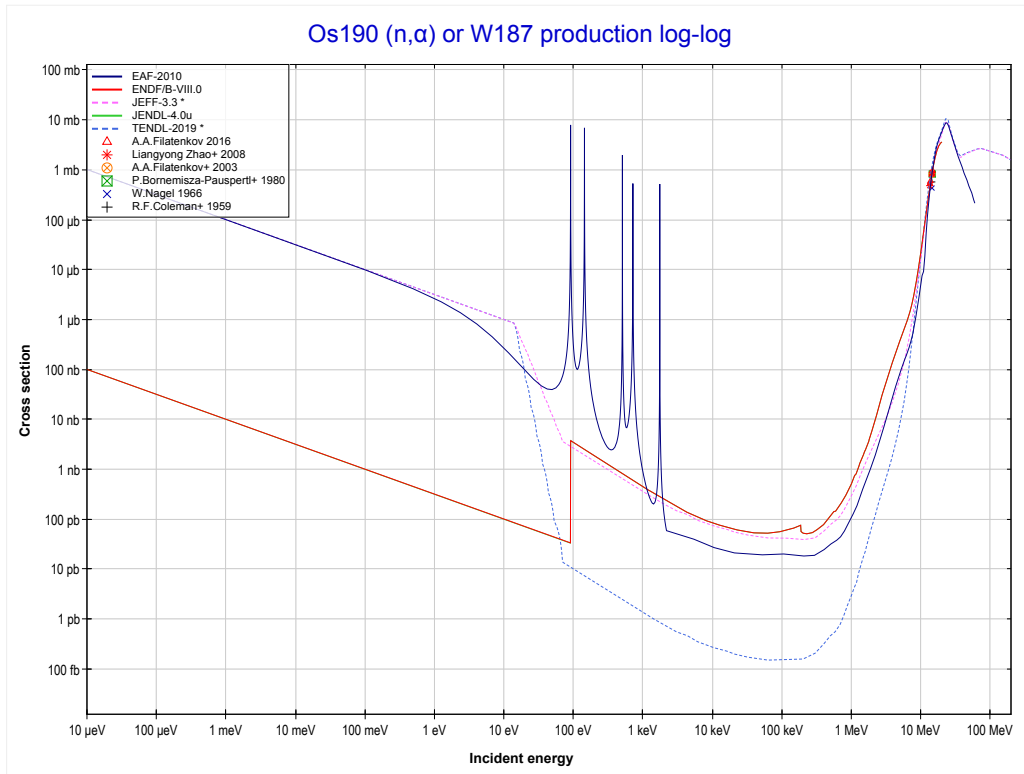
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 9.10201E-7 b | 0.0017372 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.85582E-7 b | 0.00129972 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 9.10201E-7 b | 0.0017372 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 6.86448E-7 b | 0.001303 b |

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|----------------|--|-------------------------|
| << 74-W-186 | 76-Os-190 | 78-Pt-198 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Re189 production) | MT107 (n, α) >> |



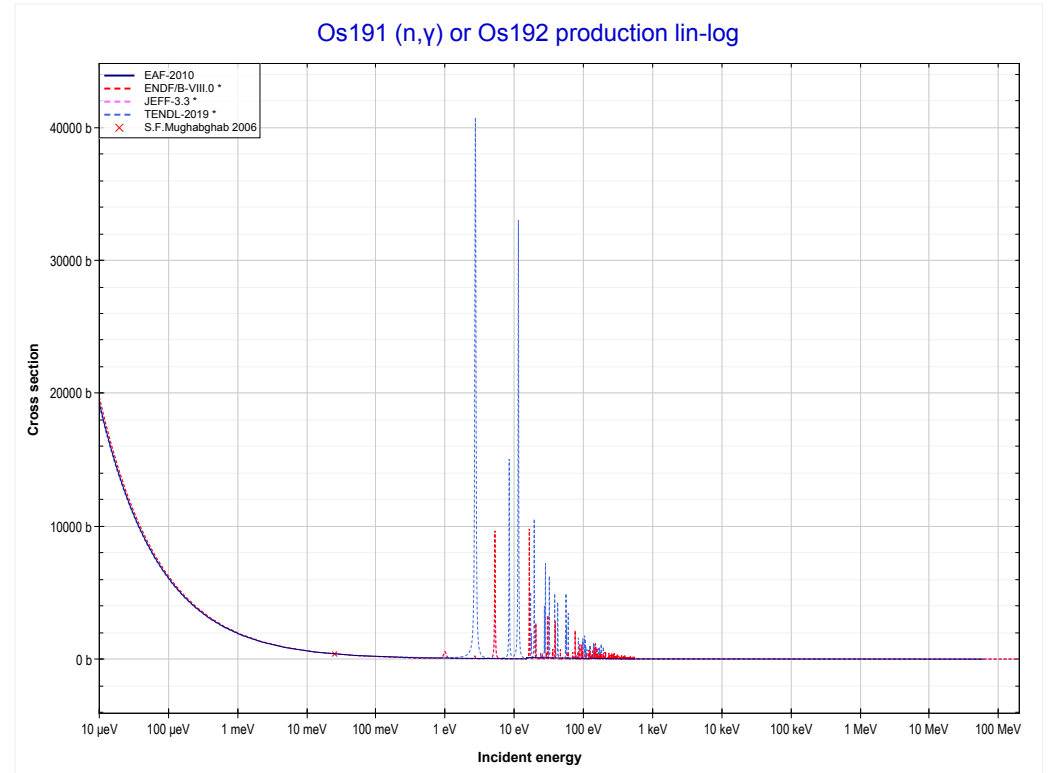
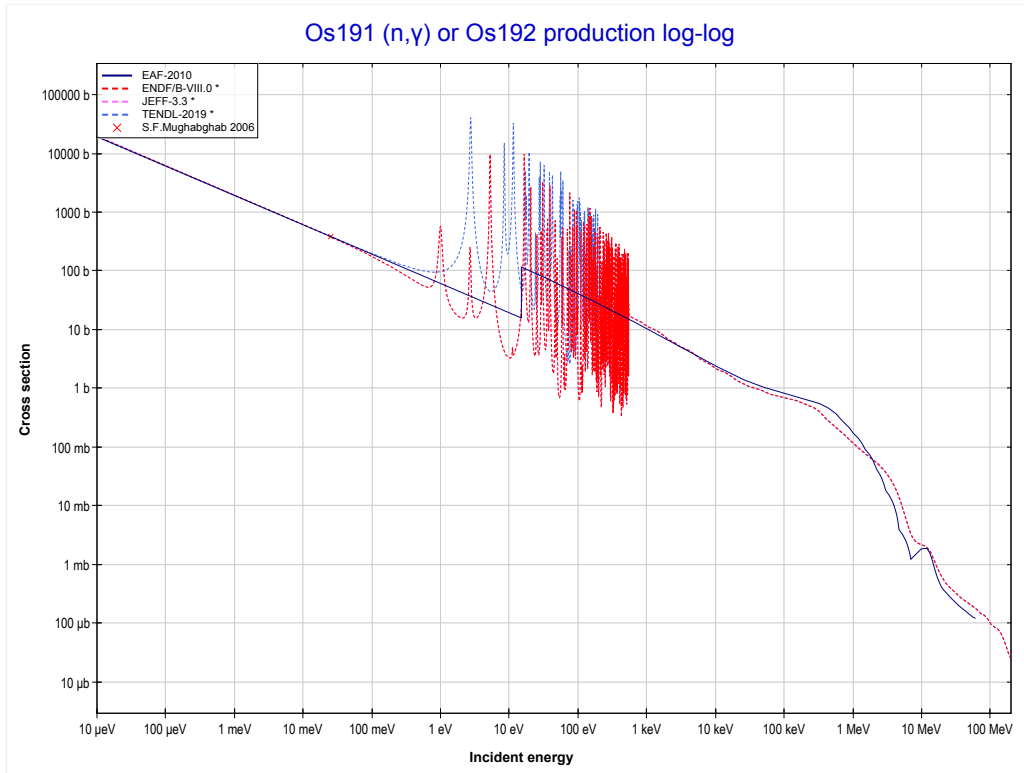
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.99398E-8 b | 2.056E-5 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.57139E-8 b | 8.4185E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.28961E-8 b | 1.90556E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 6.57139E-8 b | 8.4185E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.28956E-8 b | 1.90576E-5 b |

| | | |
|----------------|---|-----------------------------------|
| << 76-Os-188 | 76-Os-190 | 76-Os-192 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (W187 production) | 76-Os-191 MT102 (n, γ) >> |



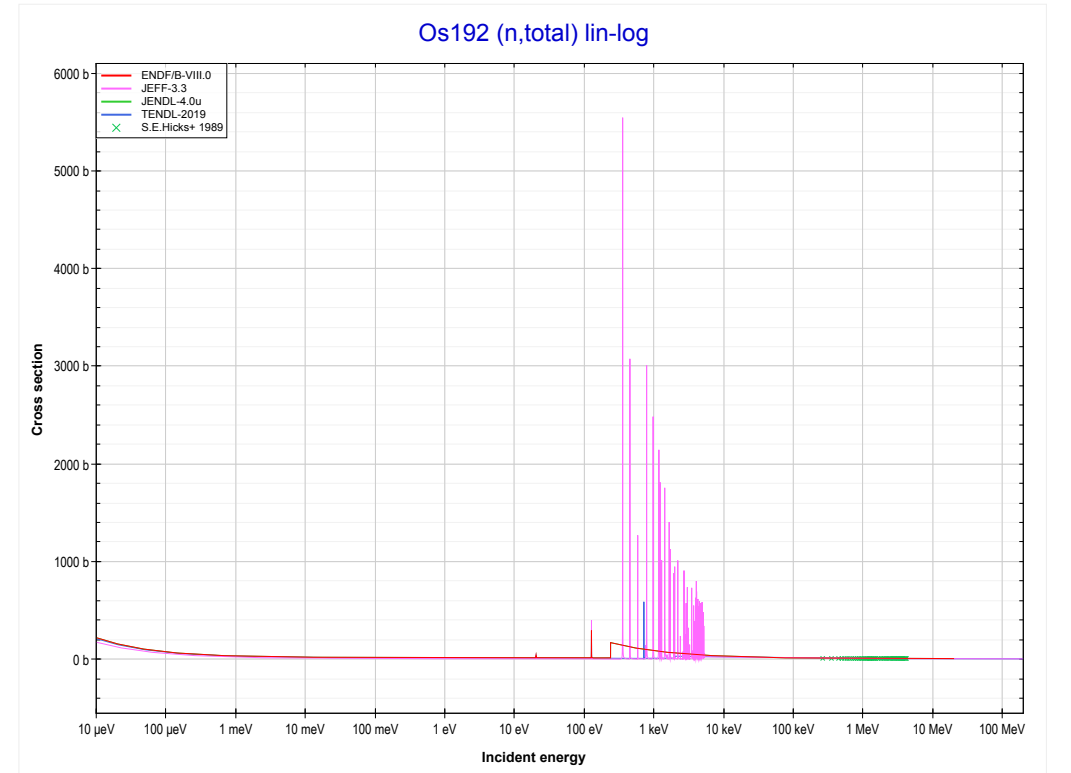
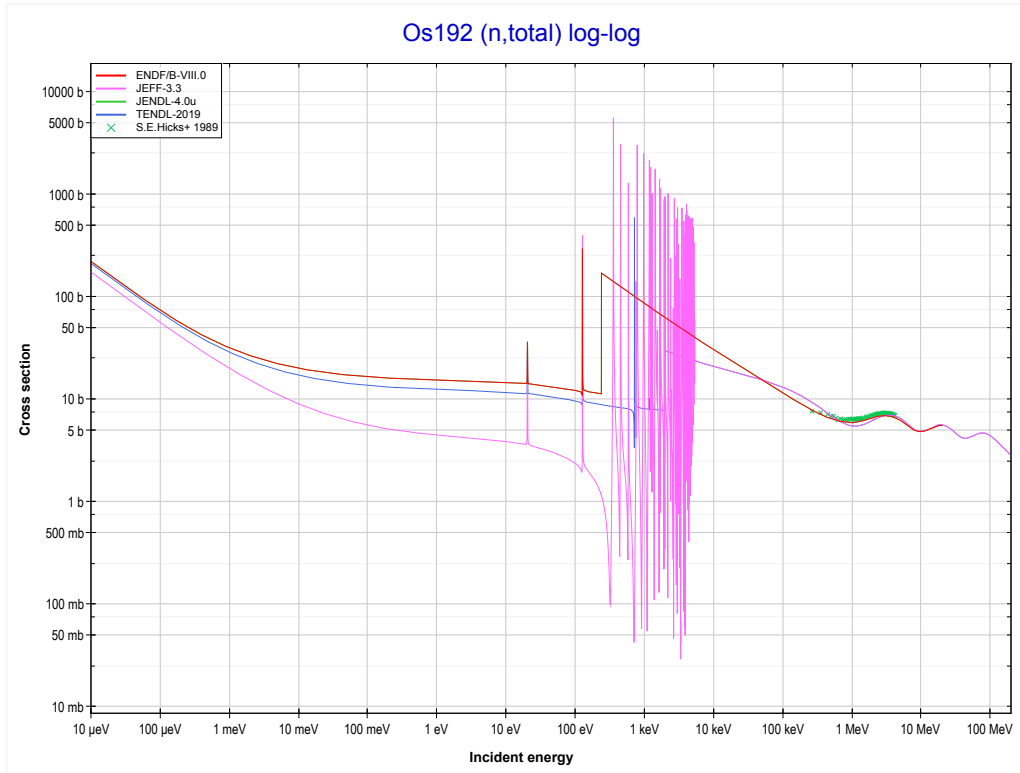
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2E-5 b | 1.99848E-5 b | 1.9935E-5 b | 0.99752 | 3.37955E-5 b | 2.79497E-7 b | 5.41864E-4 b |
| ENDF/B-VIII.0 | 1.98727E-9 b | 1.98727E-9 b | 1.9881E-9 b | 1.00043 | 5.17379E-9 b | 4.35583E-7 b | 5.85783E-4 b |
| JEFF-3.3 | 1.99933E-5 b | 1.99933E-5 b | 1.9998E-5 b | 1.00021 | 7.56625E-6 b | 3.56502E-7 b | 5.76365E-4 b |
| JENDL-4.0u | 1.98727E-9 b | 1.98727E-9 b | 1.9881E-9 b | 1.00043 | 5.1738E-9 b | 4.35583E-7 b | 5.85783E-4 b |
| TENDL-2019 | 2.0022E-5 b | 2.0022E-5 b | 2.002E-5 b | 0.99991 | 7.45046E-6 b | 4.59785E-7 b | 8.57575E-4 b |

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|-----------------------------------|--|----------------------------|
| << 76-Os-190 | 76-Os-191 | 76-Os-192 >> |
| << 76-Os-190 MT107 (n, α) | MT102 (n,γ) or MT5 (Os192 production) | 76-Os-192 MT1 (n,total) >> |



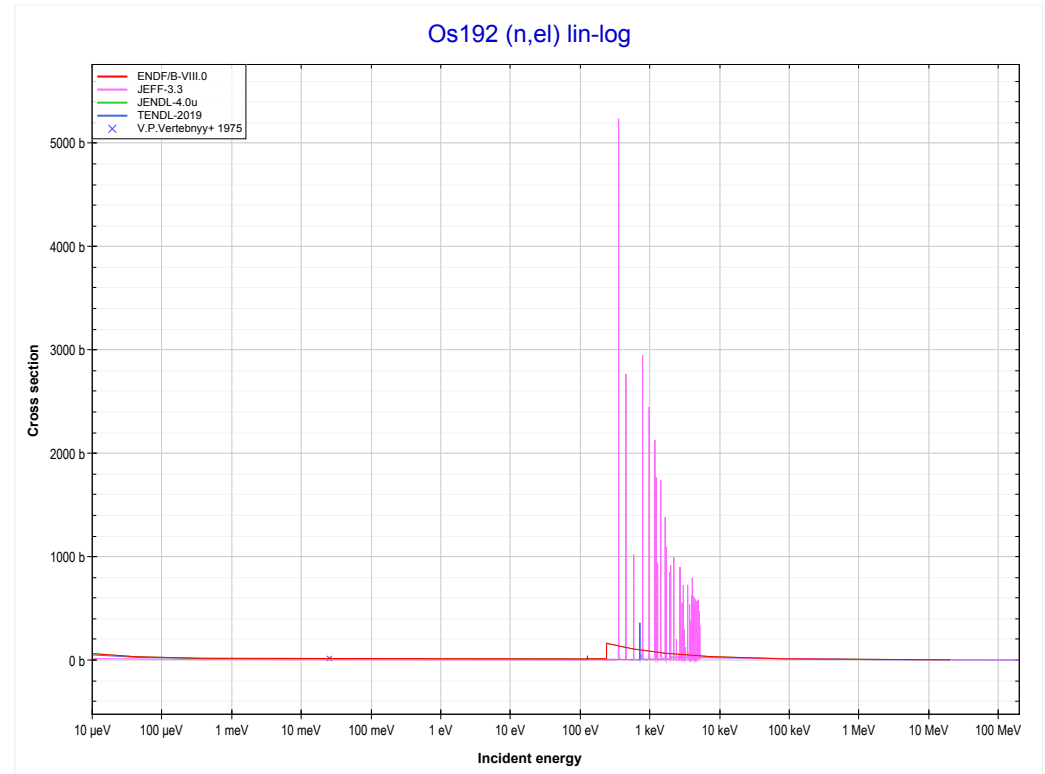
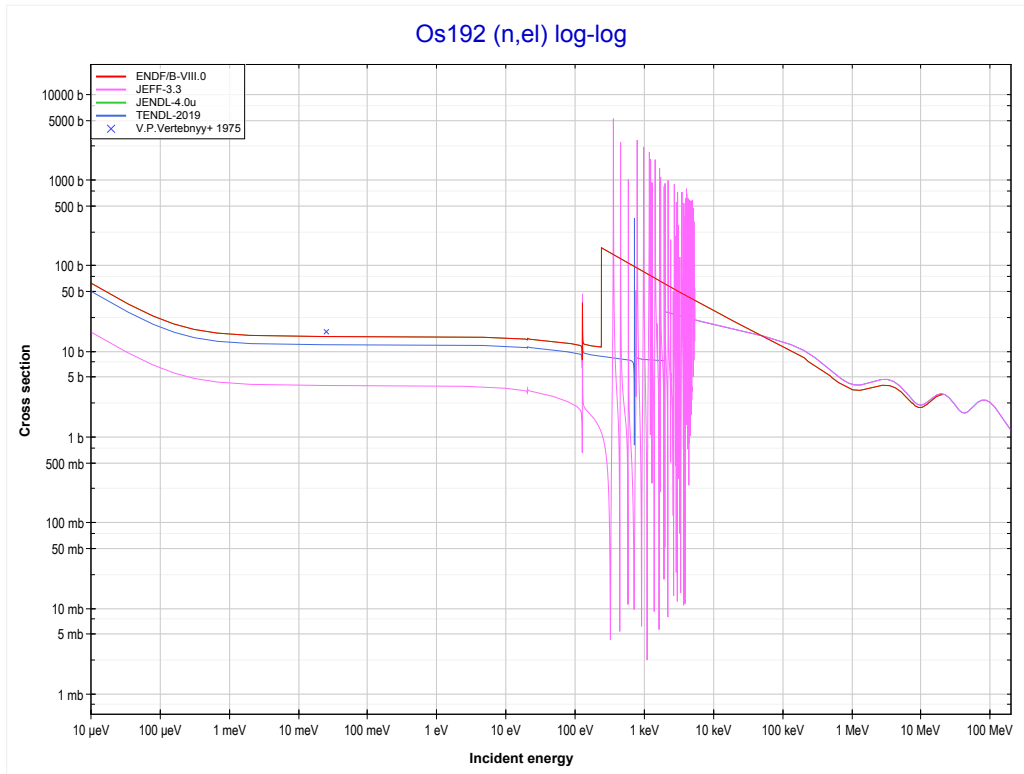
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 383.01 b | 382.723 b | 382.74 b | 1.00003 | 346.78 b | 0.1729 b | 0.00127 b |
| ENDF/B-VIII.0 | 381.031 b | 381.031 b | 376.31 b | 0.98762 | 971.049 b | 0.132676 b | 0.00147827 b |
| JEFF-3.3 | 381.031 b | 381.031 b | 376.31 b | 0.98762 | 971.049 b | 0.132676 b | 0.00147827 b |
| TENDL-2019 | 381.58 b | 381.58 b | 383.06 b | 1.00388 | 5425.89 b | 0.130629 b | 0.00147317 b |

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|-----------------------------------|----------------------|--------------------|
| << 76-Os-190 | 76-Os-192 | 77-Ir-191 >> |
| << 76-Os-191 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



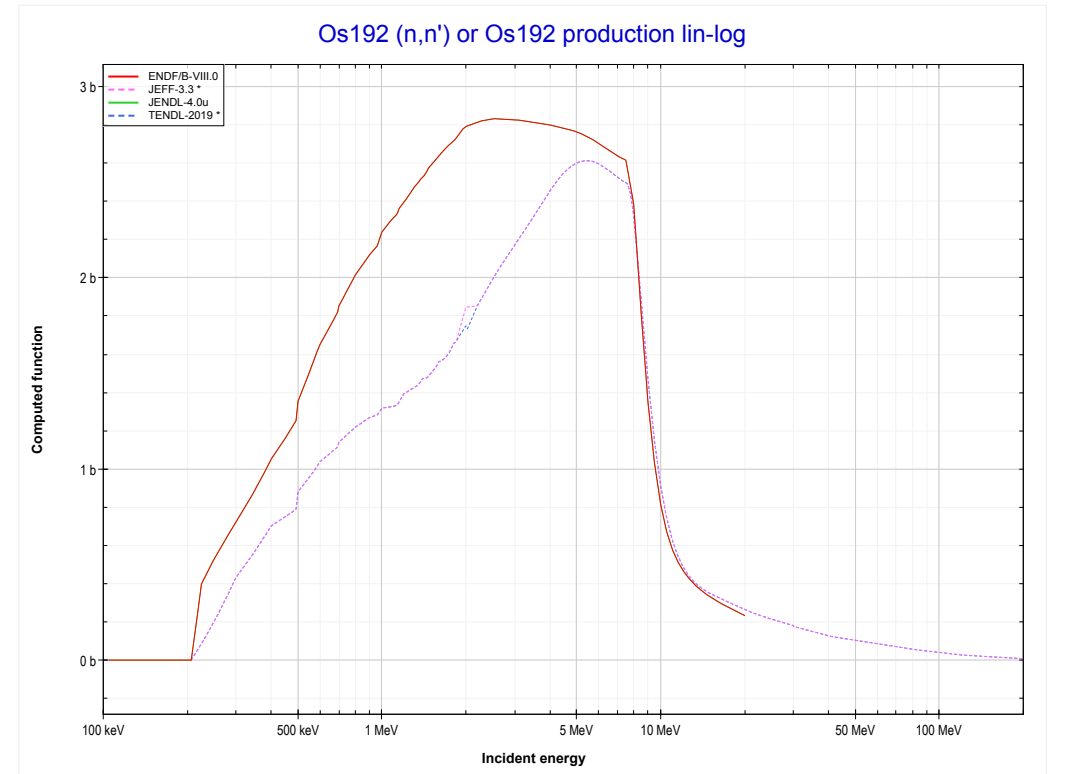
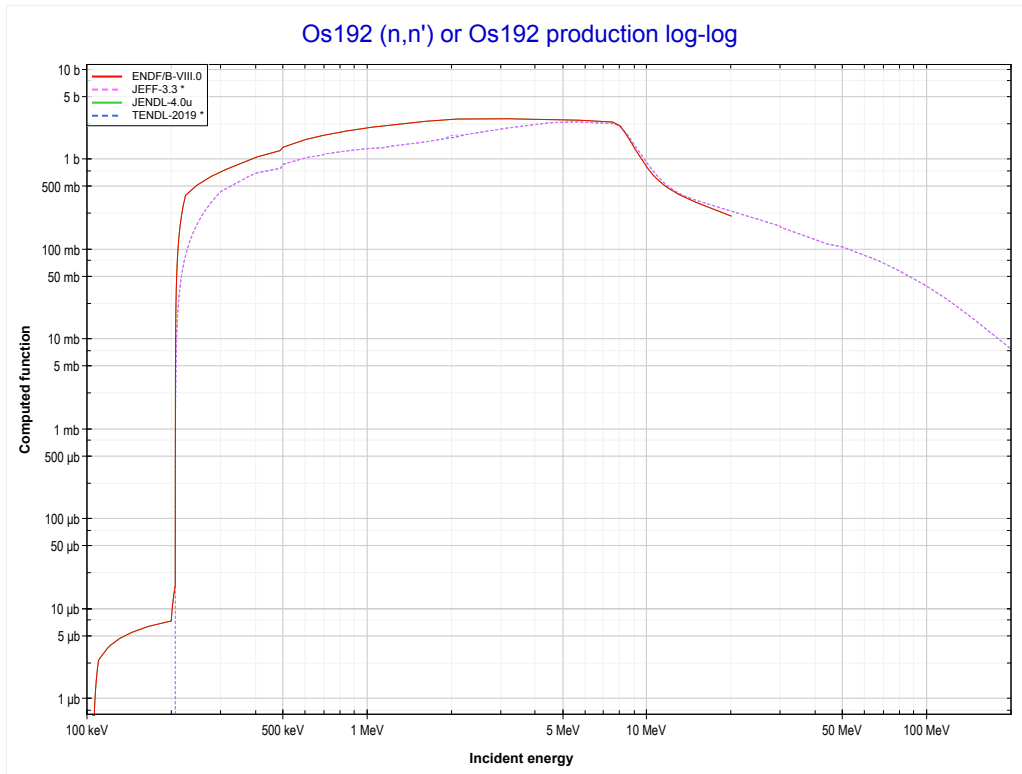
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 18.0588 b | 18.0588 b | 19.976 b | 1.10615 | 429.269 b | 6.64378 b | 5.15901 b |
| JEFF-3.3 | 7.11423 b | 7.11423 b | 7.6281 b | 1.07224 | 266.048 b | 6.64236 b | 5.19486 b |
| JENDL-4.0u | 18.0588 b | 18.0588 b | 19.976 b | 1.10615 | 429.269 b | 6.64378 b | 5.15901 b |
| TENDL-2019 | 15.1483 b | 15.1483 b | 16.686 b | 1.10152 | 167.733 b | 6.63032 b | 5.19486 b |

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|------------------|------------------------|---------------|
| << 76-Os-190 | 76-Os-192 | 77-Ir-191 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



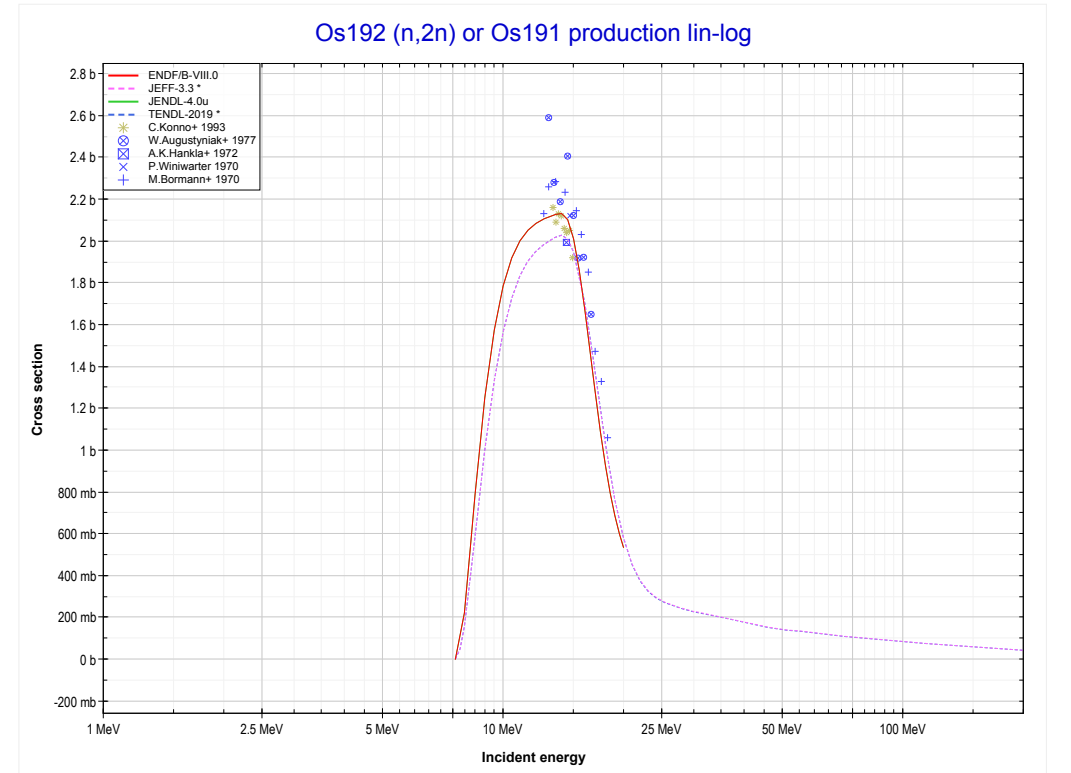
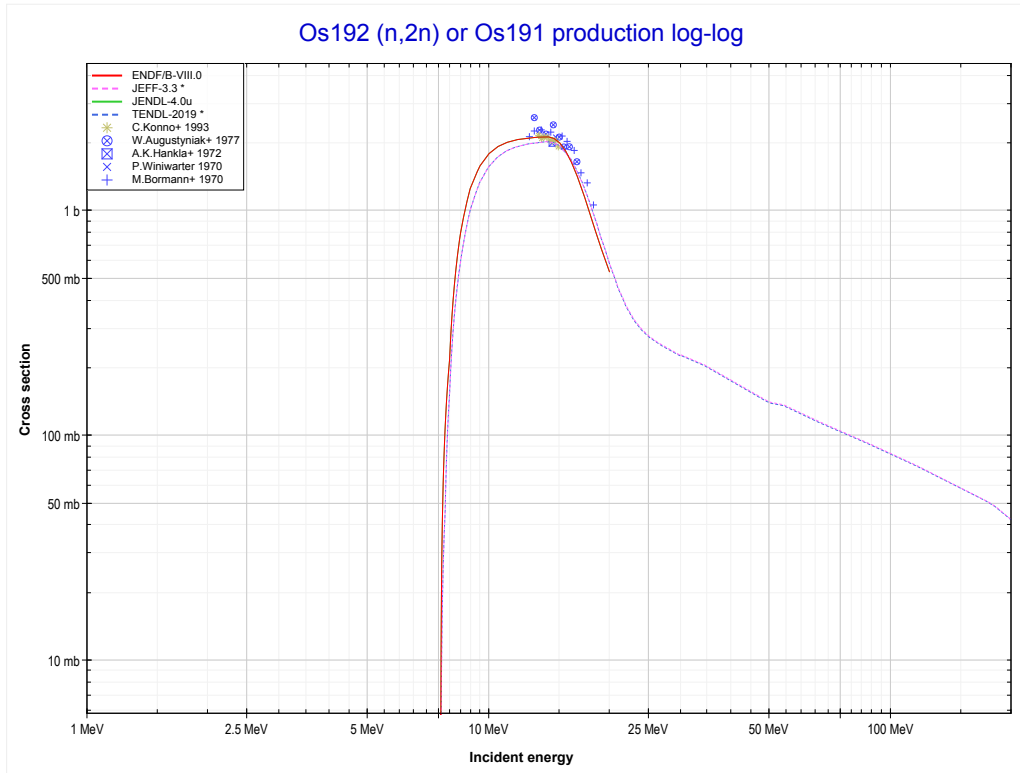
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.9415 b | 14.9415 b | 16.858 b | 1.12826 | 419.257 b | 4.33926 b | 2.65839 b |
| JEFF-3.3 | 4.00621 b | 4.00621 b | 4.5196 b | 1.12815 | 257.082 b | 5.04613 b | 2.78259 b |
| JENDL-4.0u | 14.9415 b | 14.9415 b | 16.858 b | 1.12826 | 419.257 b | 4.33926 b | 2.65839 b |
| TENDL-2019 | 11.9885 b | 11.9885 b | 13.527 b | 1.12833 | 164.161 b | 5.03918 b | 2.78259 b |

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|--------------------|---|----------------|
| << 76-Os-190 | 76-Os-192 | 77-Ir-191 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Os192 production) | MT16 (n,2n) >> |



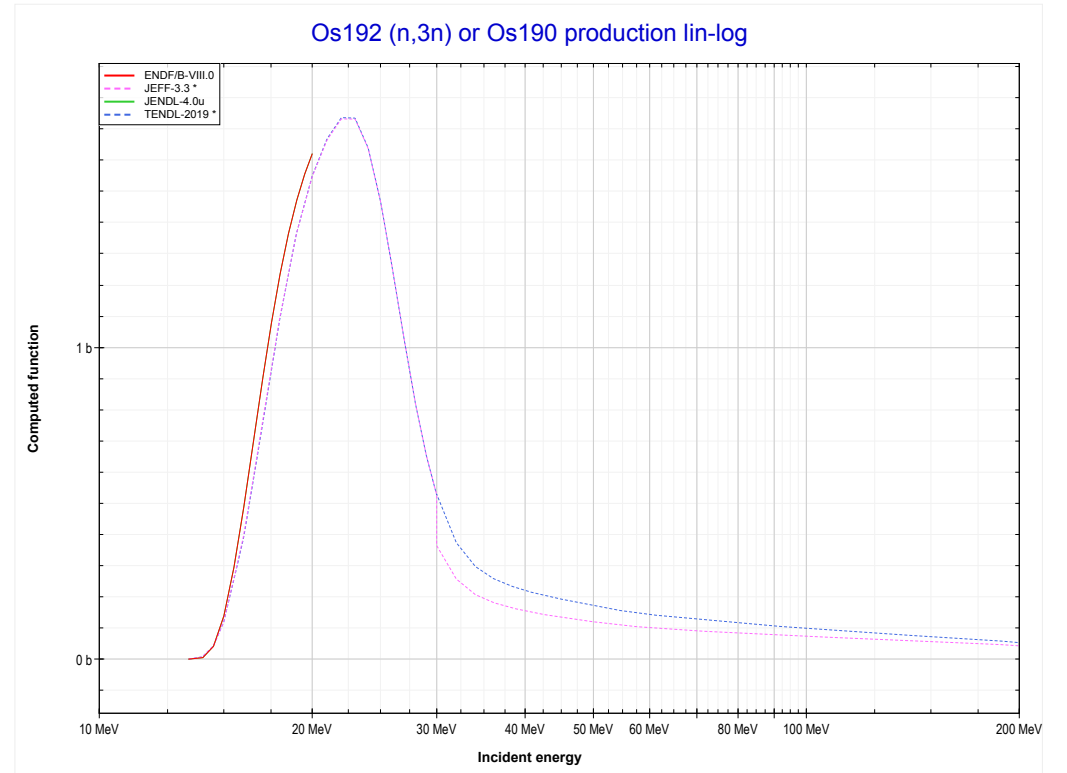
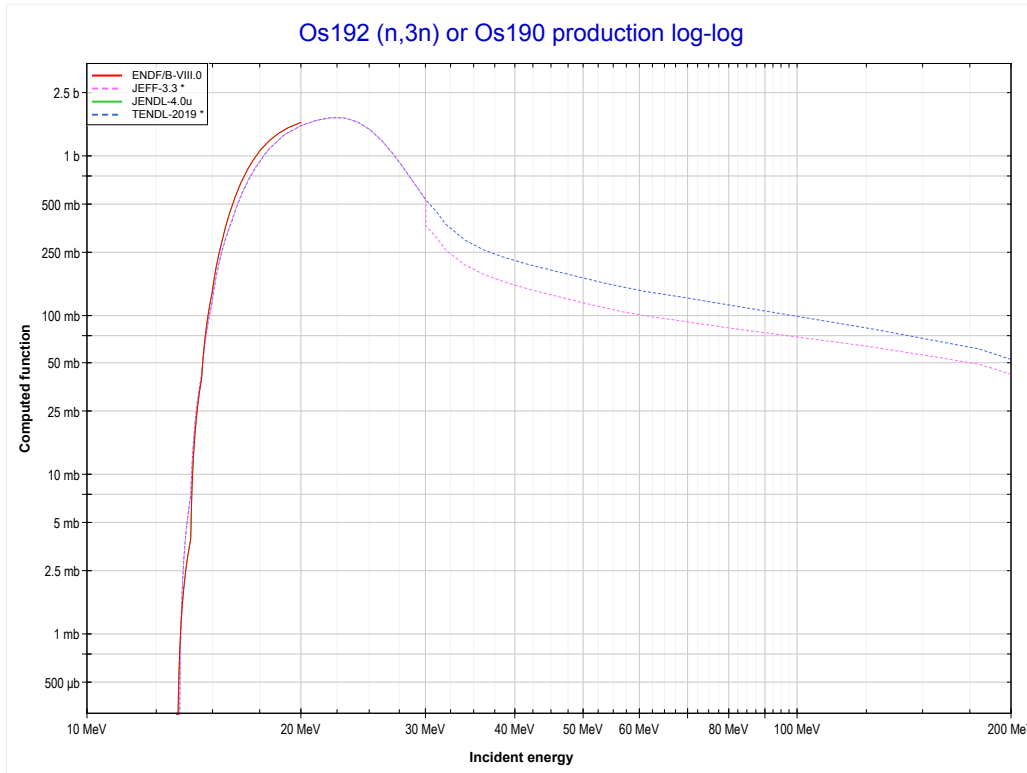
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.25224 b | 0.363238 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56513 b | 0.376054 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.25224 b | 0.363238 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.56075 b | 0.375759 b |

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|---------------|--|----------------|
| << 76-Os-186 | 76-Os-192 | 77-Ir-191 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Os191 production) | MT17 (n,3n) >> |



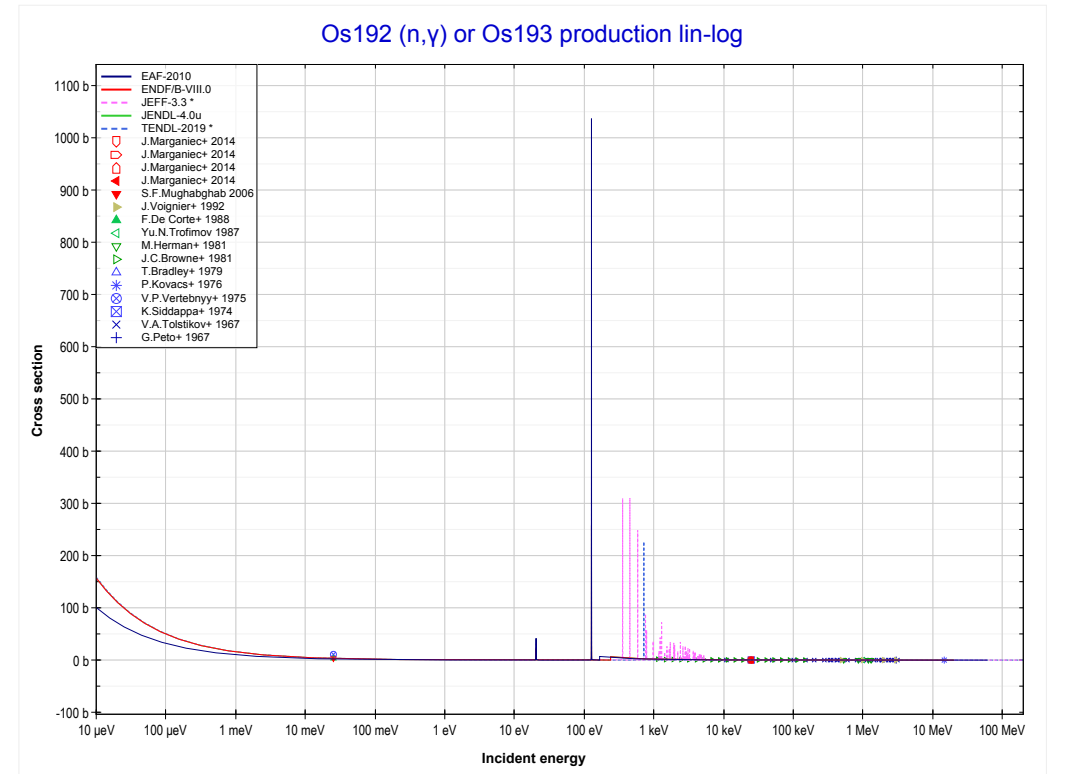
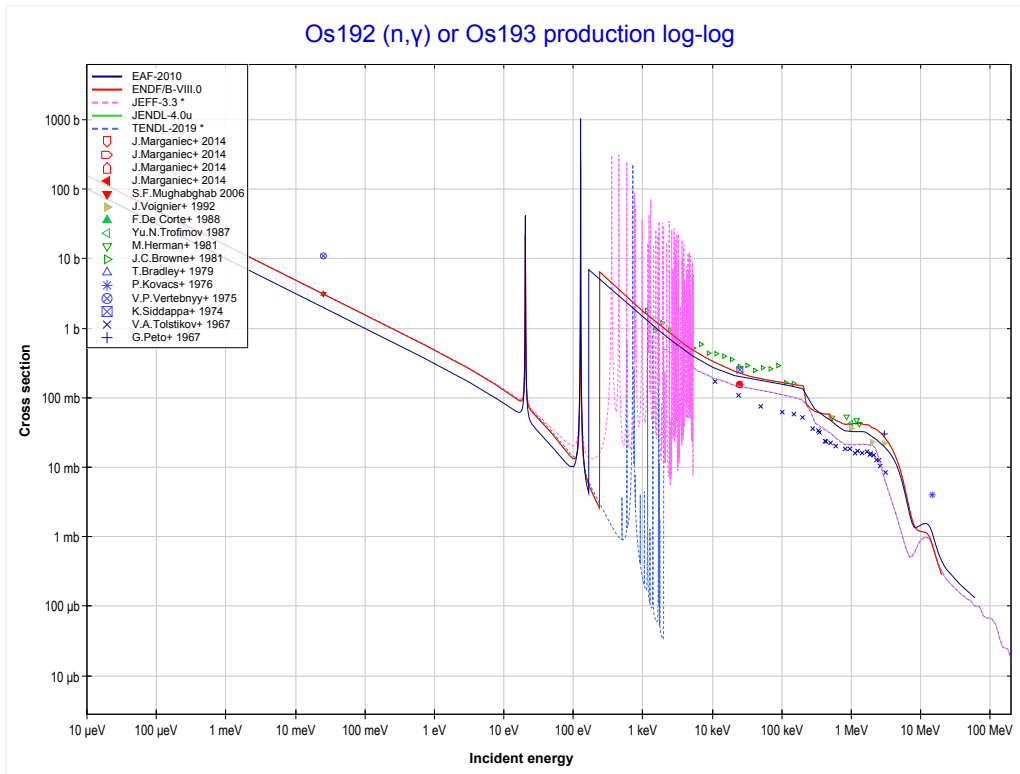
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00991464 b | 2.13173 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00833424 b | 2.02751 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00991464 b | 2.13173 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00834675 b | 2.02777 b |

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|----------------|--|-------------------------|
| << 75-Re-185 | 76-Os-192 | 77-Ir-191 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Os190 production) | MT102 (n, γ) >> |



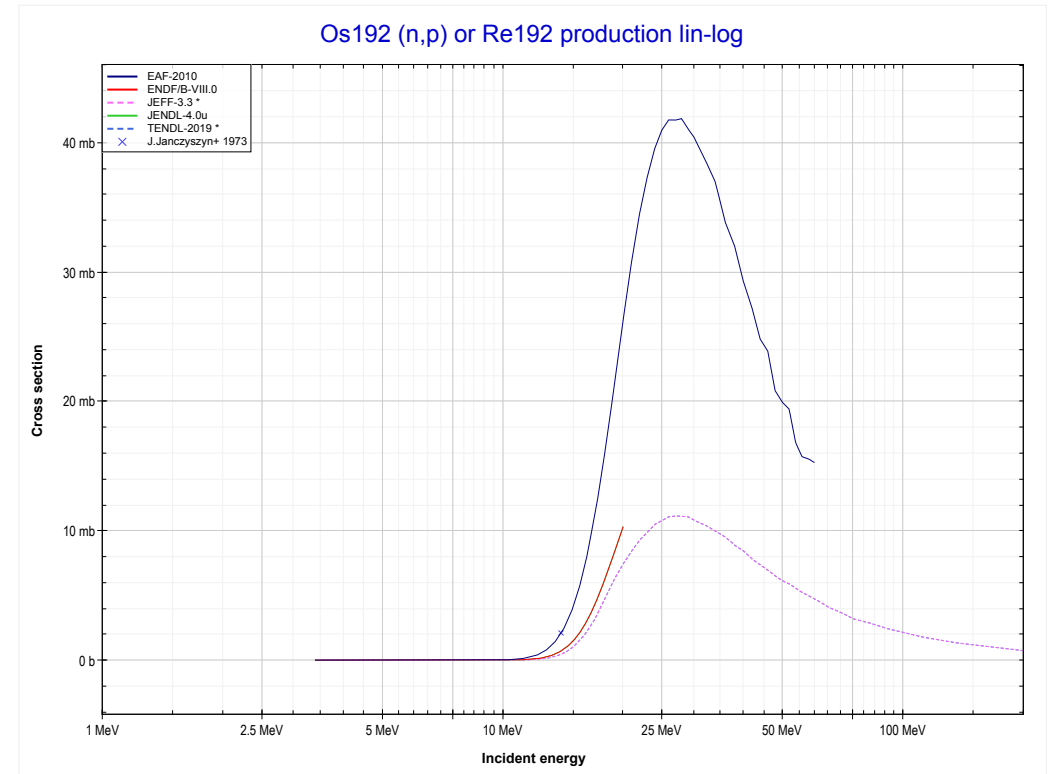
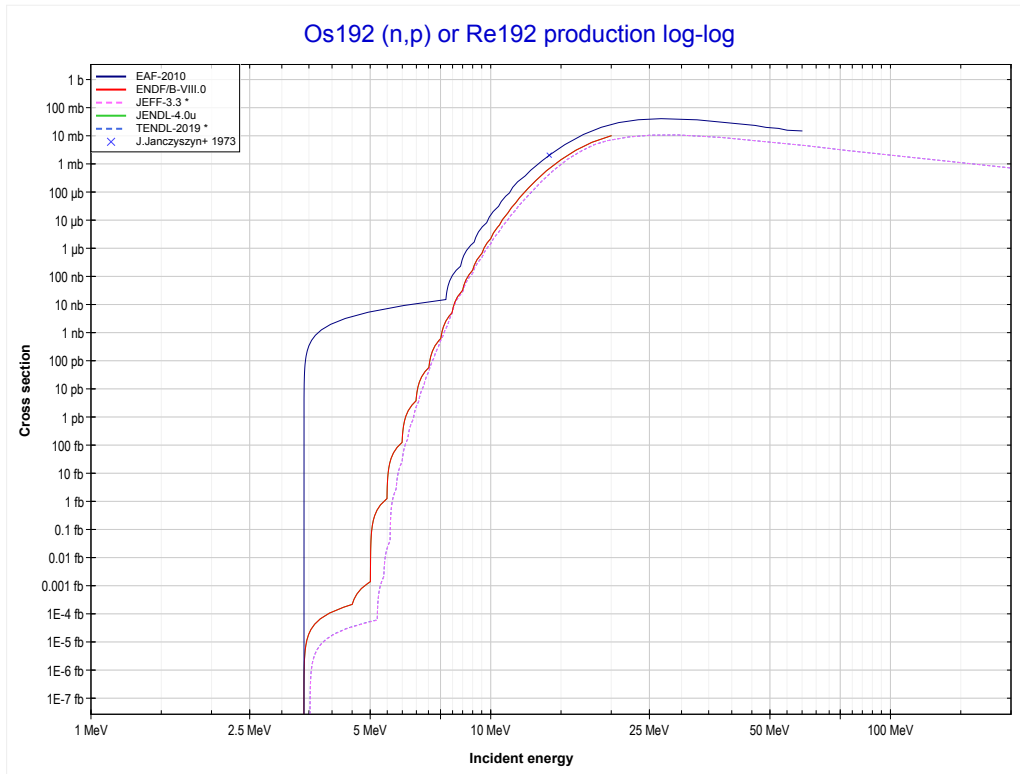
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.60838E-5 b | 0.00395135 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.16574E-5 b | 0.00737353 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.60838E-5 b | 0.00395135 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13992E-5 b | 0.00741513 b |

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|----------------|--|----------------|
| << 76-Os-191 | 76-Os-192 | 76-Os-193 >> |
| << MT17 (n,3n) | MT102 (n,γ) or MT5 (Os193 production) | MT103 (n,p) >> |



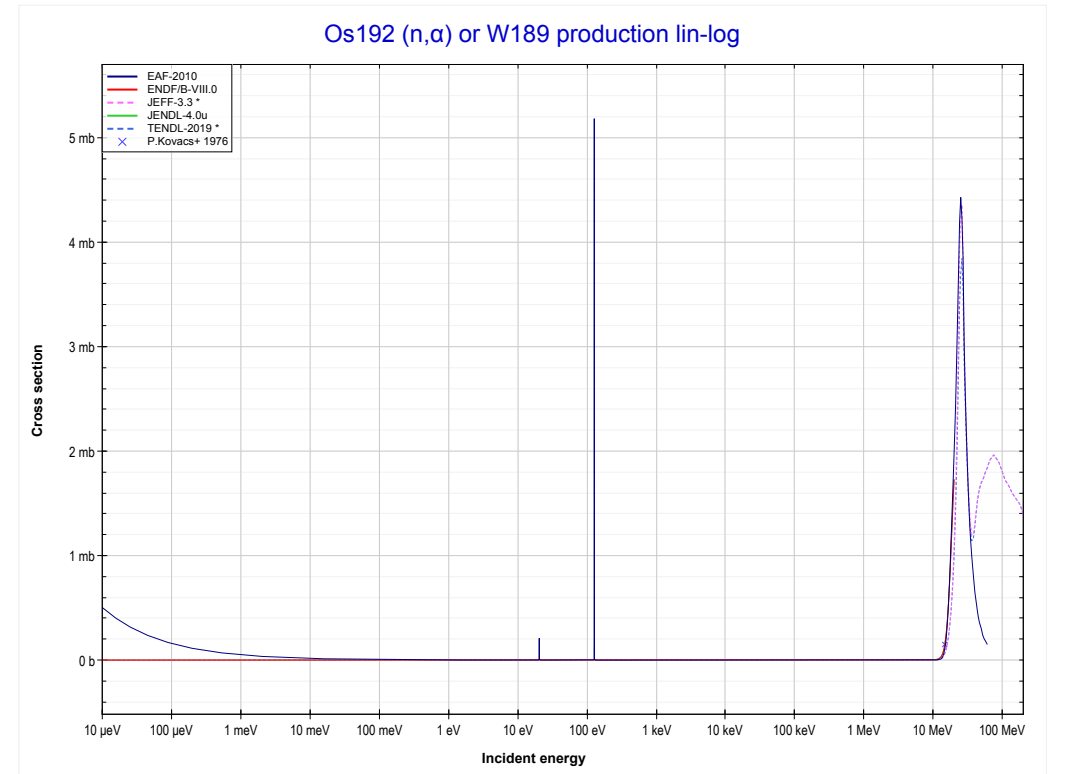
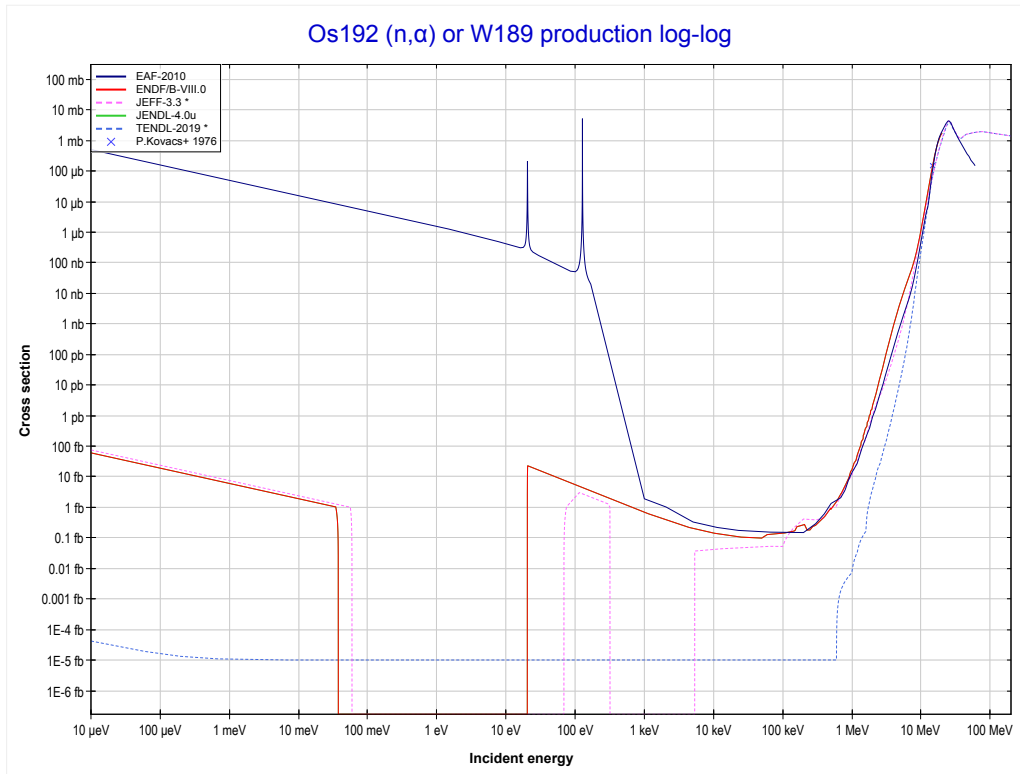
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.0004 b | 1.9989 b | 1.9983 b | 0.99972 | 10.3802 b | 0.0353601 b | 0.00130539 b |
| ENDF/B-VIII.0 | 3.11723 b | 3.11723 b | 3.1178 b | 1.00017 | 10.0117 b | 0.0423285 b | 9.00388E-4 b |
| JEFF-3.3 | 3.10802 b | 3.10802 b | 3.1085 b | 1.00016 | 8.9658 b | 0.0227369 b | 8.44058E-4 b |
| JENDL-4.0u | 3.11723 b | 3.11723 b | 3.1178 b | 1.00017 | 10.0117 b | 0.0423285 b | 9.00388E-4 b |
| TENDL-2019 | 3.15979 b | 3.15979 b | 3.1592 b | 0.9998 | 3.56486 b | 0.0222669 b | 8.43258E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 76-Os-190 | 76-Os-192 | 77-Ir-191 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Re192 production) | MT107 (n, α) >> |



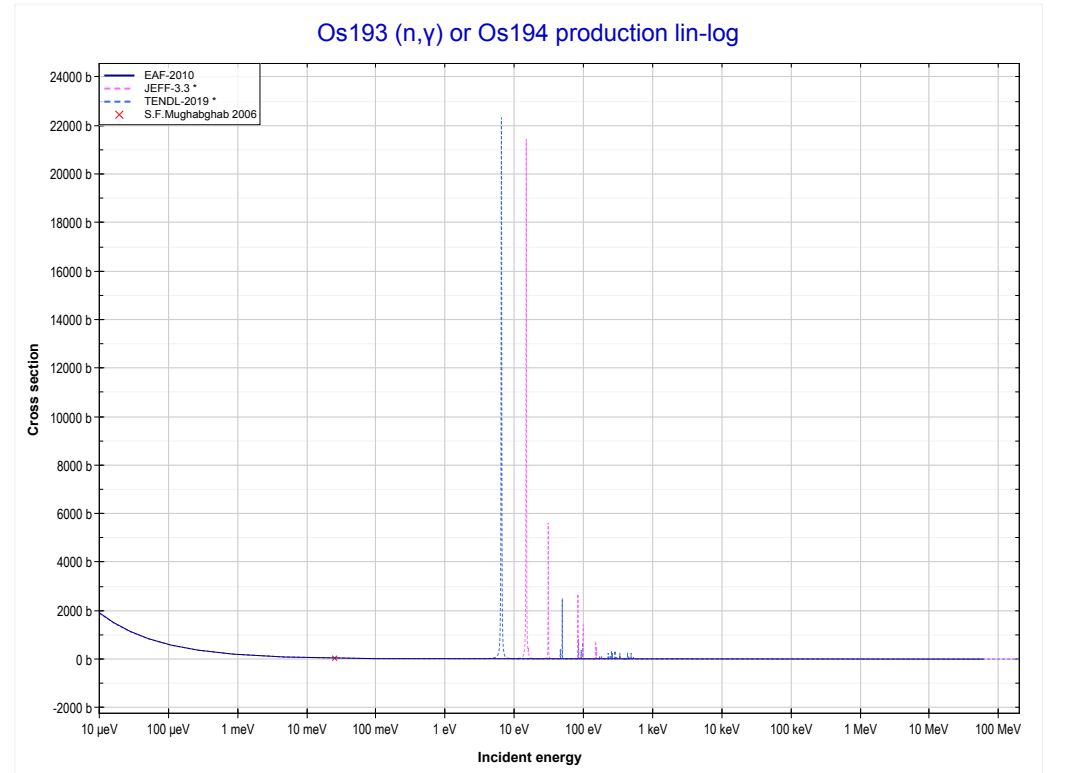
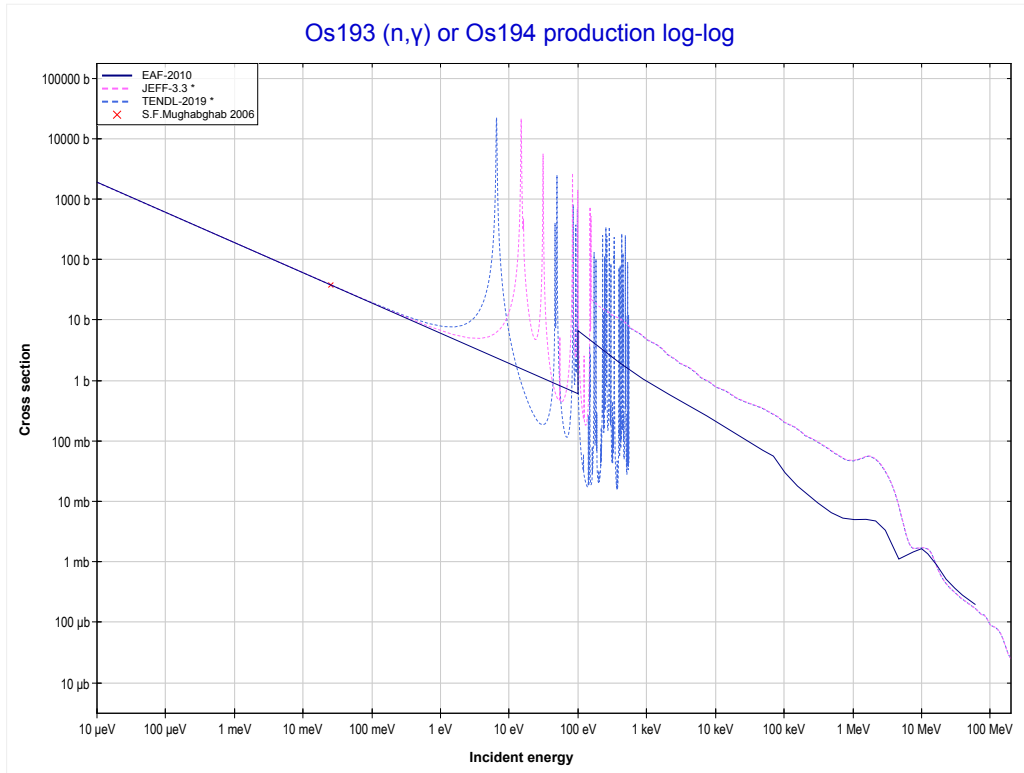
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10891E-6 b | 0.0021 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.67734E-7 b | 6.94368E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.47645E-7 b | 4.37213E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.67734E-7 b | 6.94368E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.48106E-7 b | 4.3823E-4 b |

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|----------------|---|-----------------------------------|
| << 76-Os-190 | 76-Os-192 | 77-Ir-191 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (W189 production) | 76-Os-193 MT102 (n, γ) >> |



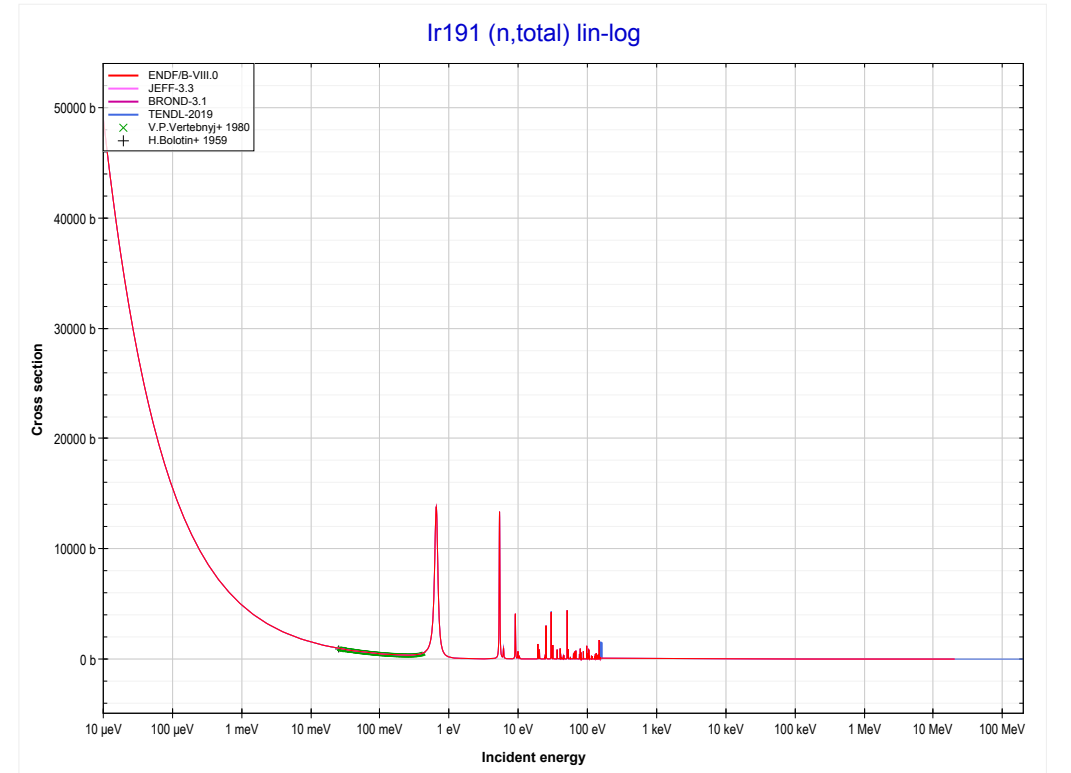
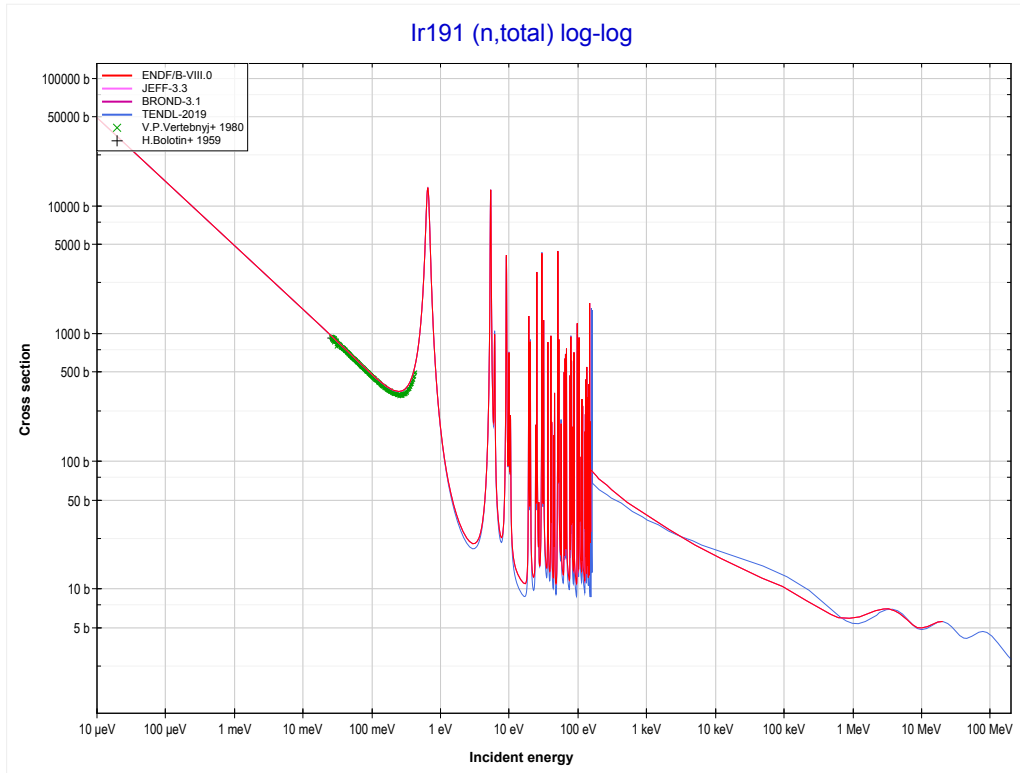
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-5 b | 9.9925E-6 b | 9.9897E-6 b | 0.99972 | 1.0434E-5 b | 4.05423E-8 b | 4.76304E-5 b |
| ENDF/B-VIII.0 | 1.19921E-15 b | 1.19921E-15 b | 7.0244E-16 b | 0.58575 | 2.59418E-14 b | 5.50501E-8 b | 8.23191E-5 b |
| JEFF-3.3 | 1.49452E-15 b | 1.49452E-15 b | 1.1868E-15 b | 0.79409 | 3.0252E-15 b | 2.8244E-8 b | 3.98506E-5 b |
| JENDL-4.0u | 1.1992E-15 b | 1.1992E-15 b | 7.0244E-16 b | 0.58576 | 2.59417E-14 b | 5.50501E-8 b | 8.23191E-5 b |
| TENDL-2019 | 1.0026E-20 b | 1.0026E-20 b | 1.1314E-20 b | 1.12848 | 1.22073E-19 b | 2.12692E-8 b | 3.4409E-5 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 76-Os-192 | 76-Os-193 | 77-Ir-191 >> |
| << 76-Os-192 MT107 (n, α) | MT102 (n,γ) or MT5 (Os194 production) | 77-Ir-191 MT1 (n,total) >> |



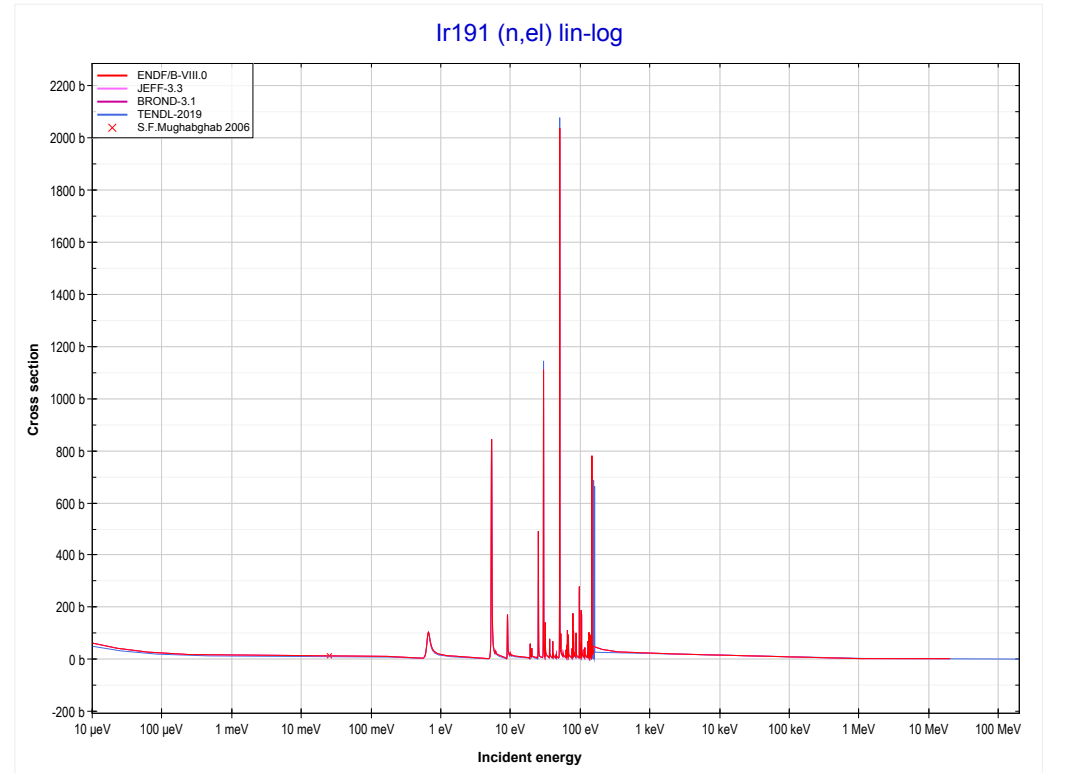
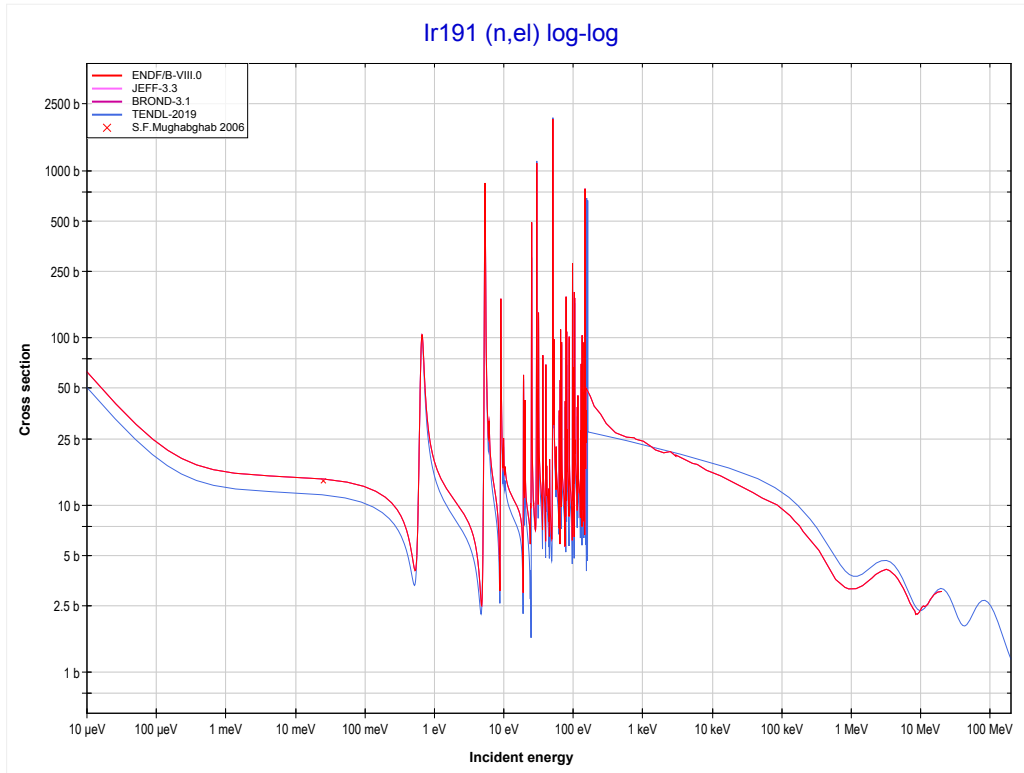
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 38 b | 37.9715 b | 37.976 b | 1.00012 | 23.8889 b | 0.00598318 b | 0.00114 b |
| JEFF-3.3 | 37.8777 b | 37.8777 b | 37.939 b | 1.00162 | 736.52 b | 0.053836 b | 0.0013602 b |
| TENDL-2019 | 37.8469 b | 37.8469 b | 37.971 b | 1.00328 | 845.095 b | 0.0529046 b | 0.00135894 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-192 >> |
| << 76-Os-193 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



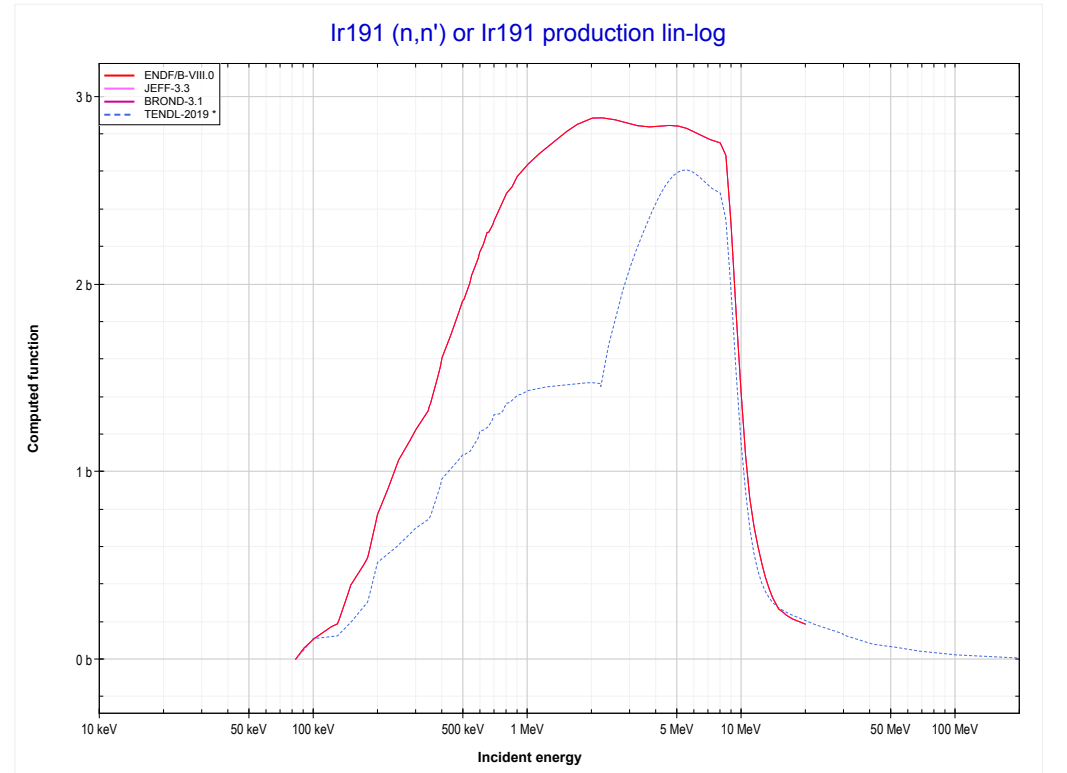
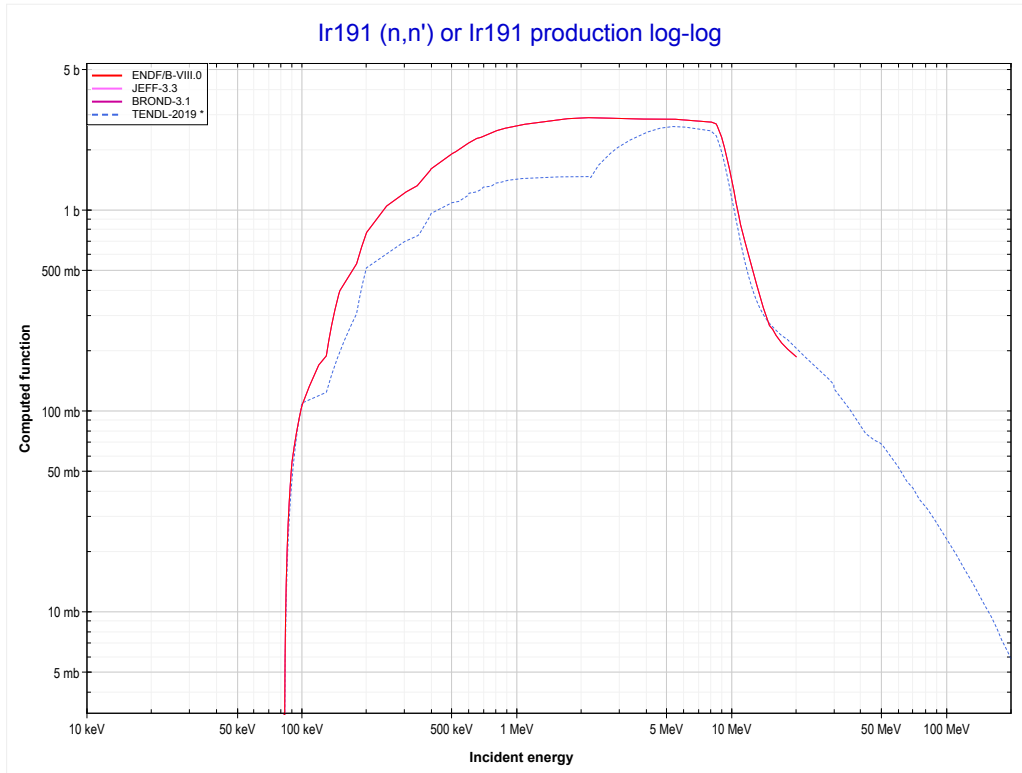
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 968.622 b | 968.622 b | 966.81 b | 0.99813 | 3620.03 b | 6.62009 b | 5.27515 b |
| JEFF-3.3 | 968.622 b | 968.622 b | 966.81 b | 0.99813 | 3620.03 b | 6.62009 b | 5.27515 b |
| BROND-3.1 | 968.622 b | 968.622 b | 966.81 b | 0.99813 | 3620.03 b | 6.62009 b | 5.27515 b |
| TENDL-2019 | 966.207 b | 966.207 b | 963.72 b | 0.99742 | 3600.76 b | 6.56275 b | 5.16506 b |

| | | |
|------------------|------------------------|---------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-193 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



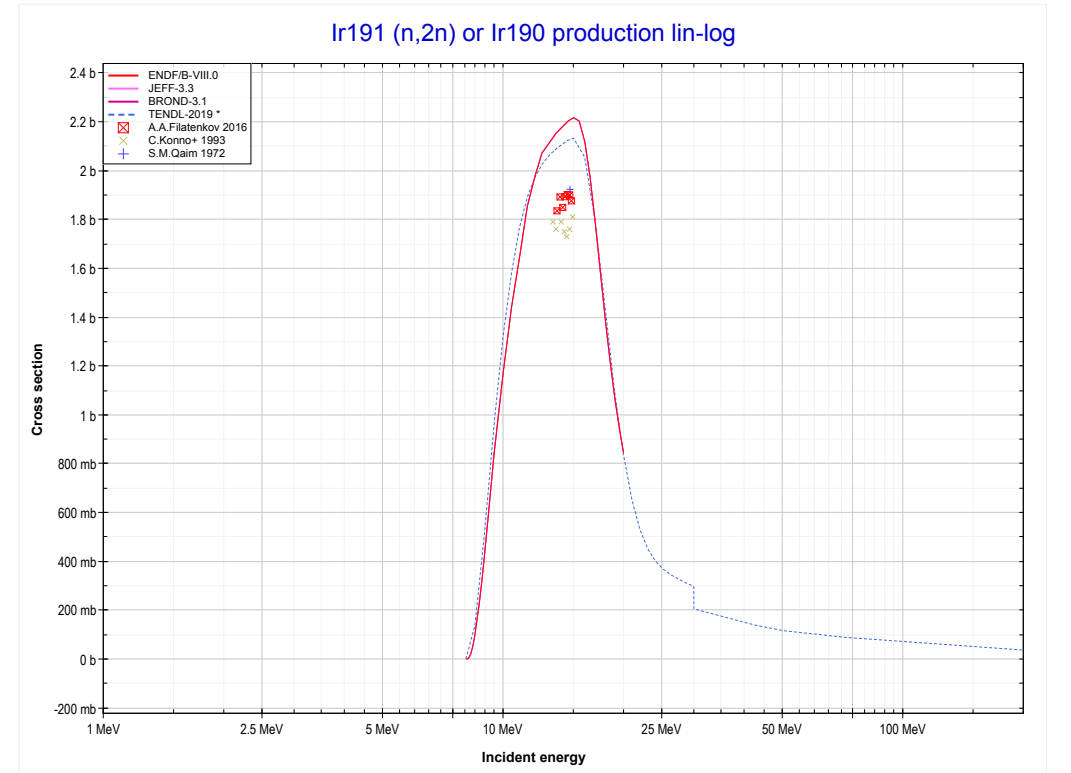
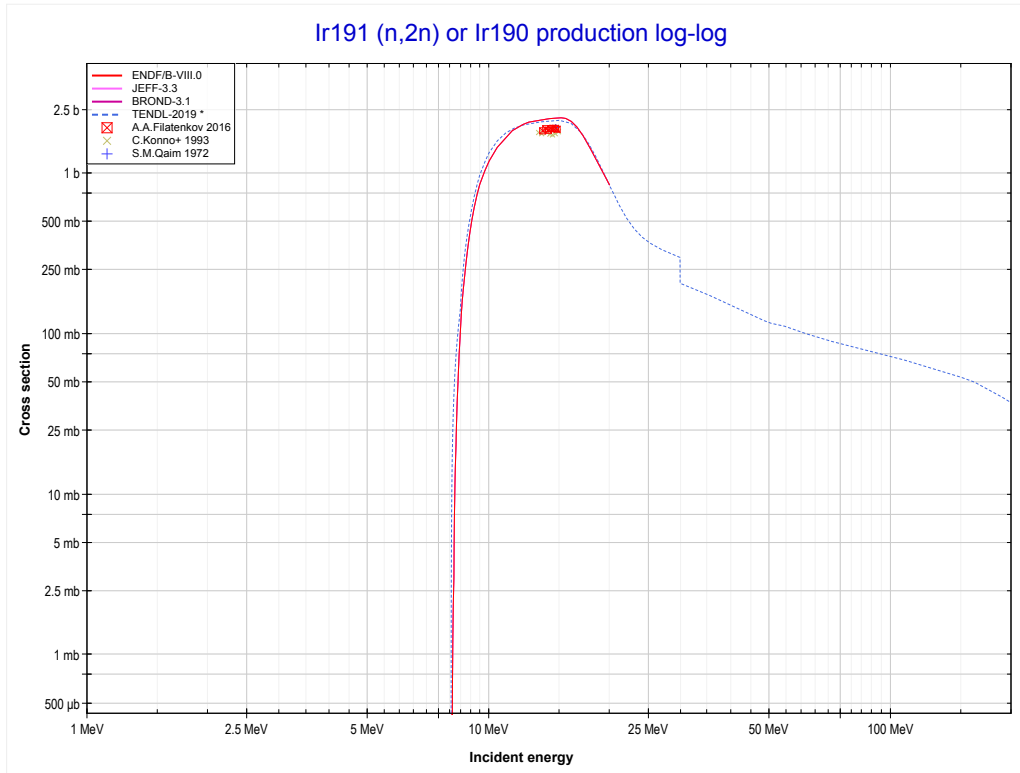
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.358 b | 14.358 b | 15.66 b | 1.0907 | 296.21 b | 3.95609 b | 2.7614 b |
| JEFF-3.3 | 14.358 b | 14.358 b | 15.66 b | 1.0907 | 296.21 b | 3.95609 b | 2.7614 b |
| BROND-3.1 | 14.358 b | 14.358 b | 15.66 b | 1.0907 | 296.21 b | 3.95609 b | 2.7614 b |
| TENDL-2019 | 11.538 b | 11.538 b | 12.543 b | 1.08712 | 277.503 b | 4.77801 b | 2.74427 b |

| | | |
|--------------------|---|----------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-193 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ir191 production) | MT16 (n,2n) >> |



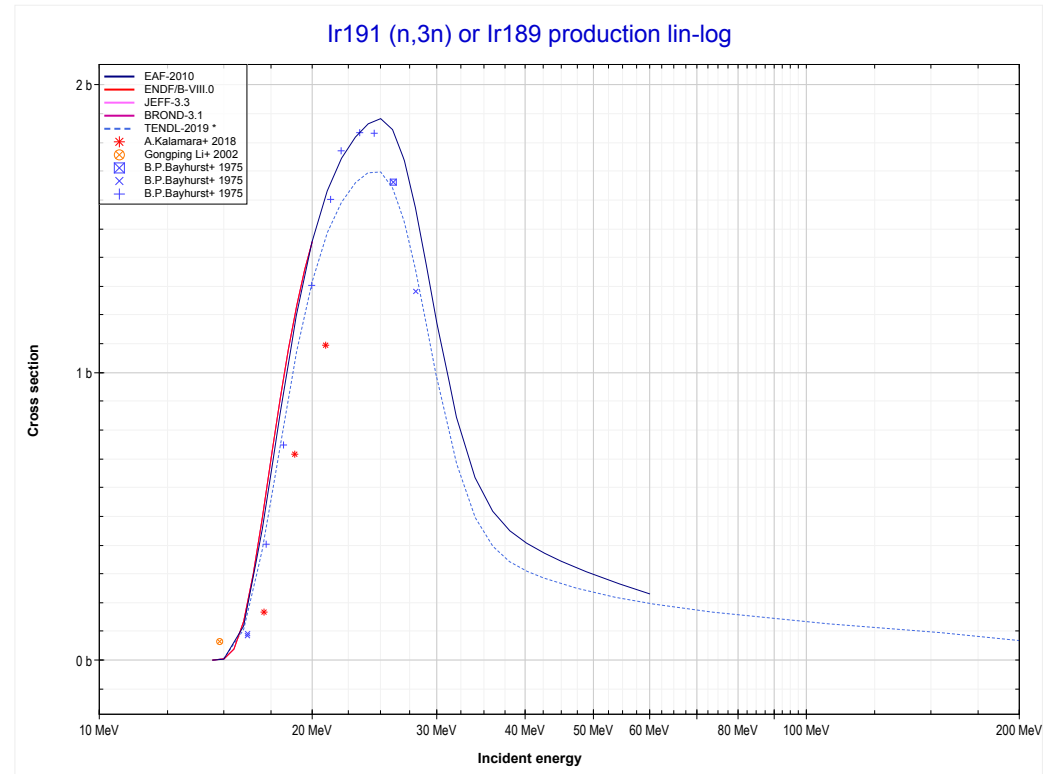
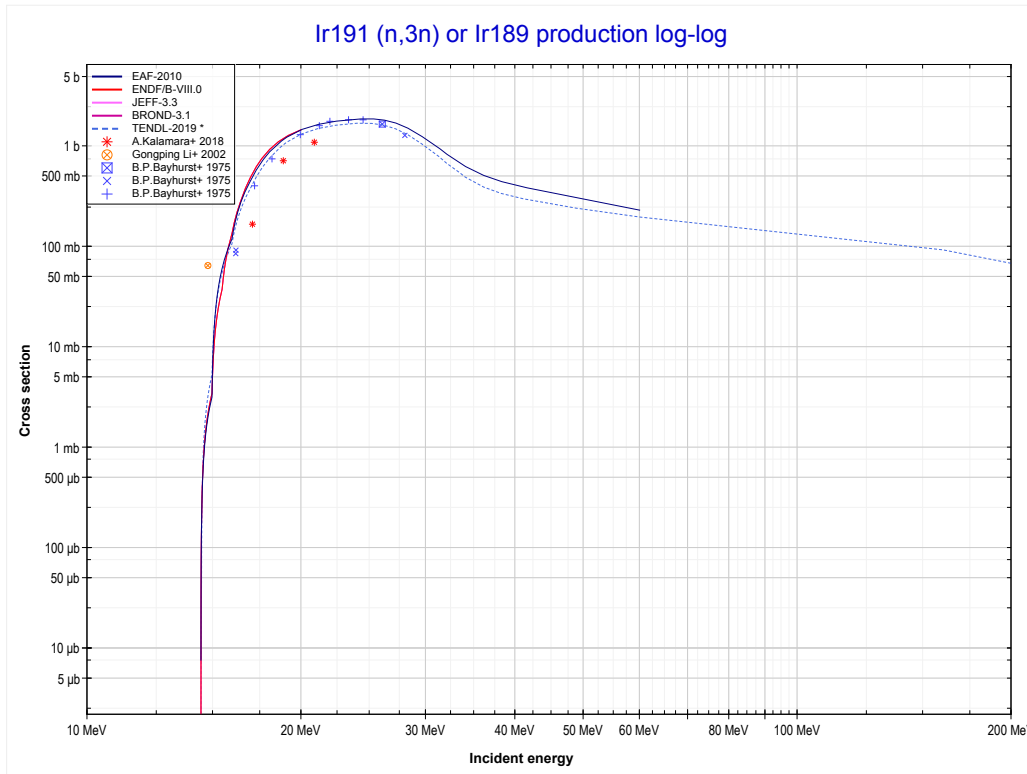
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0107378 b | 2.49692 b | 0.331633 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0107378 b | 2.49692 b | 0.331633 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0107378 b | 2.49692 b | 0.331633 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.00997941 b | 1.56075 b | 0.304328 b |

| | | |
|---------------|--|----------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-193 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ir190 production) | MT17 (n,3n) >> |



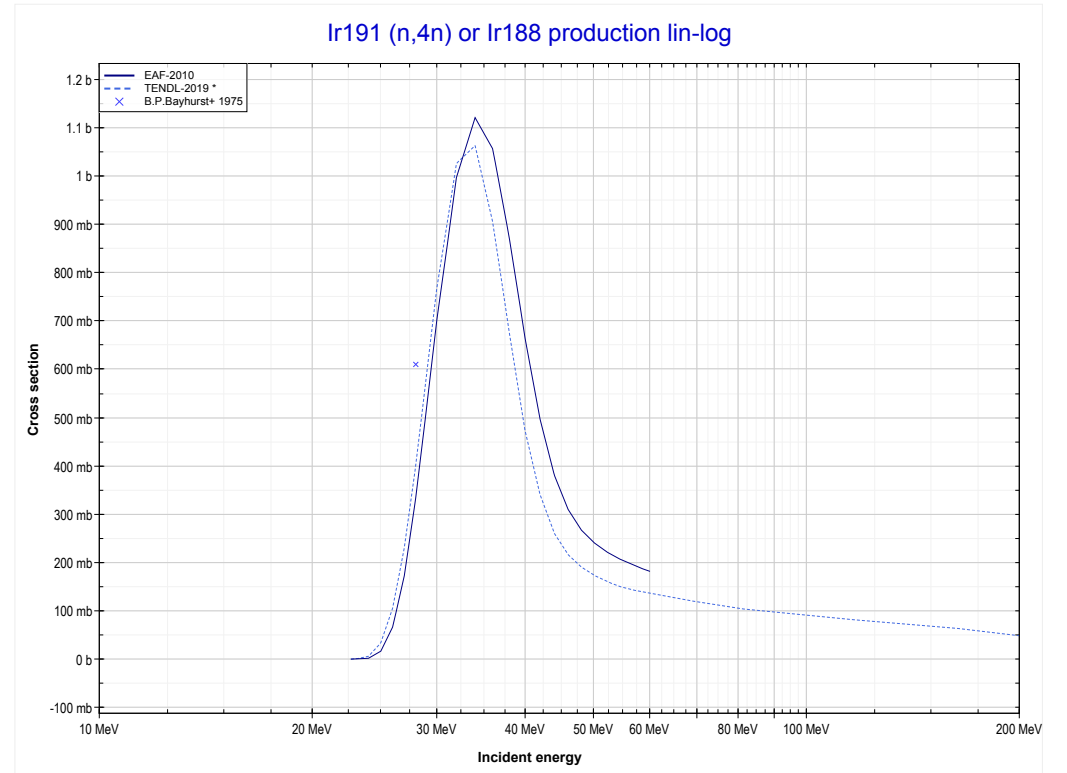
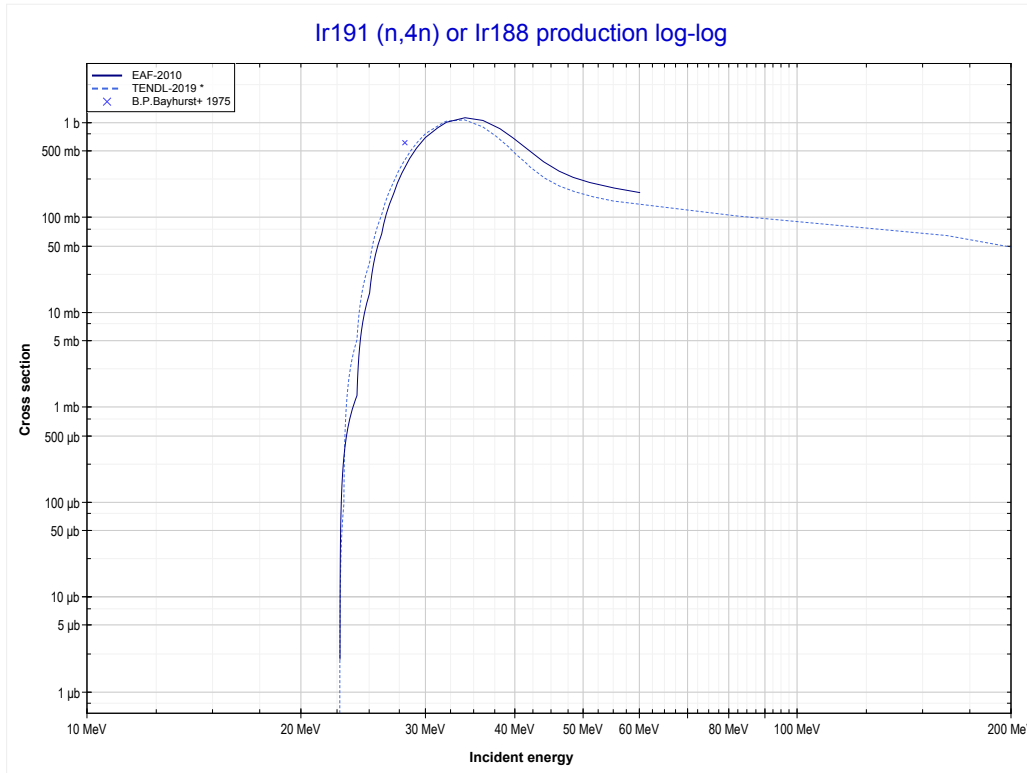
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00531772 b | 2.17516 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00531772 b | 2.17516 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00531772 b | 2.17516 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0058955 b | 2.10665 b |

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|----------------|--|----------------|
| << 76-Os-192 | 77-Ir-191 | 79-Au-197 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ir189 production) | MT37 (n,4n) >> |



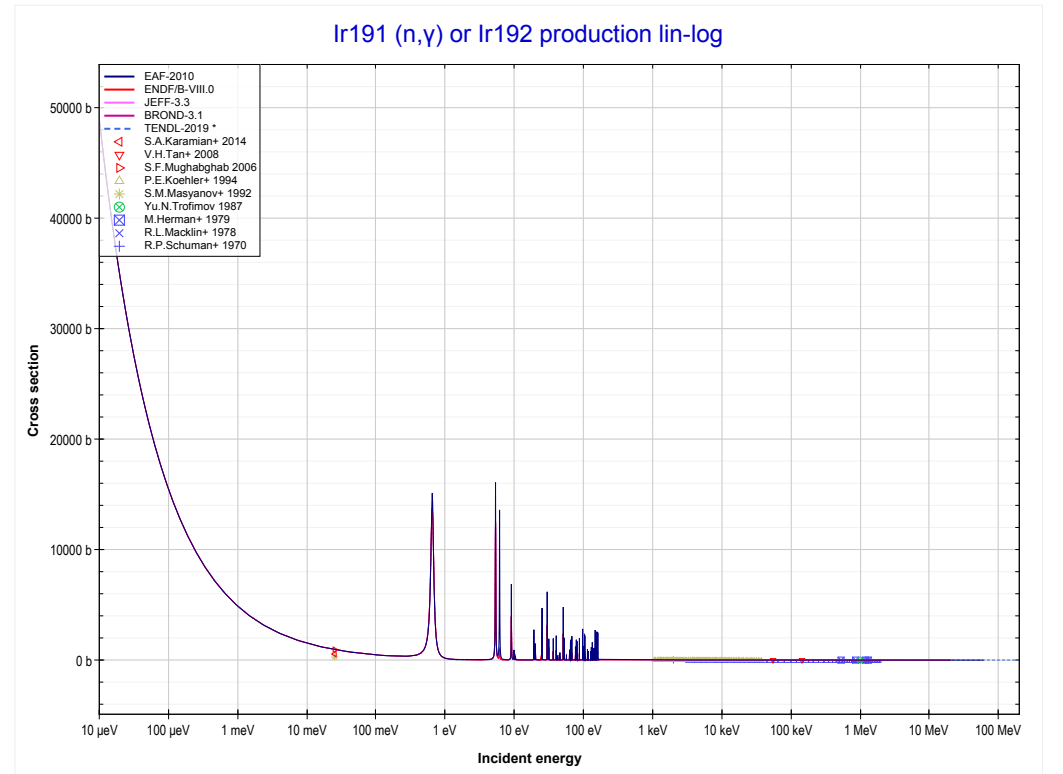
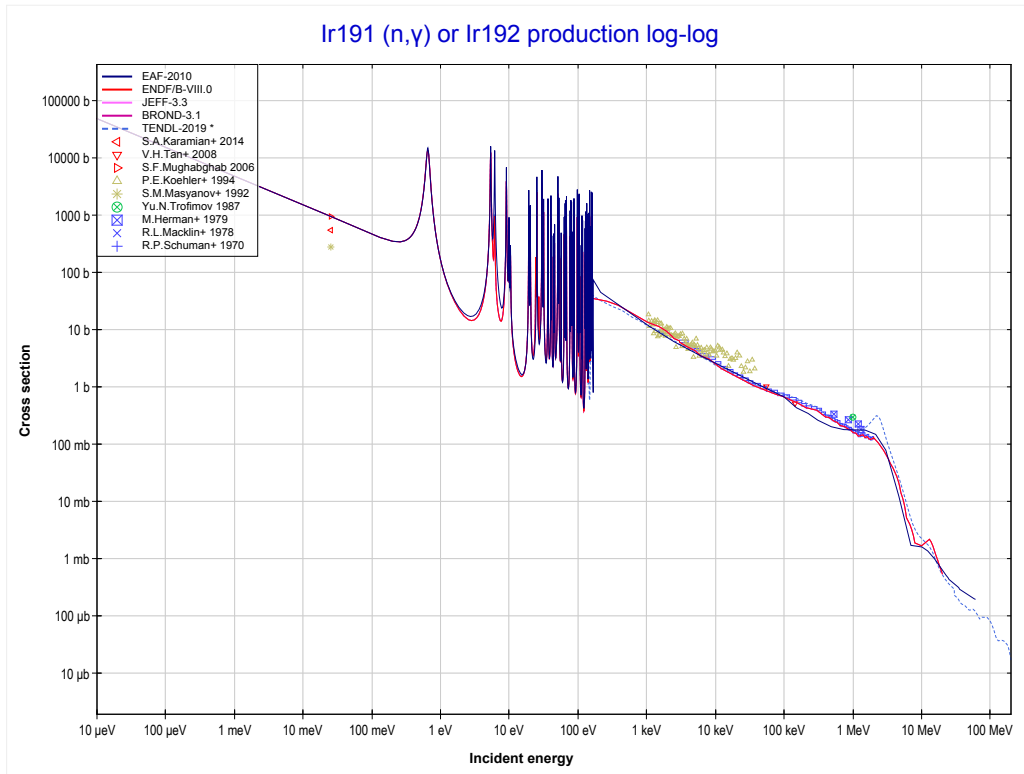
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59082E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64417E-5 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64417E-5 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64417E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39332E-5 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 73-Ta-181 | 77-Ir-191 | 79-Au-197 >> |
| << MT17 (n,3n) | MT37 (n,4n) or MT5 (Ir188 production) | MT102 (n, γ) >> |



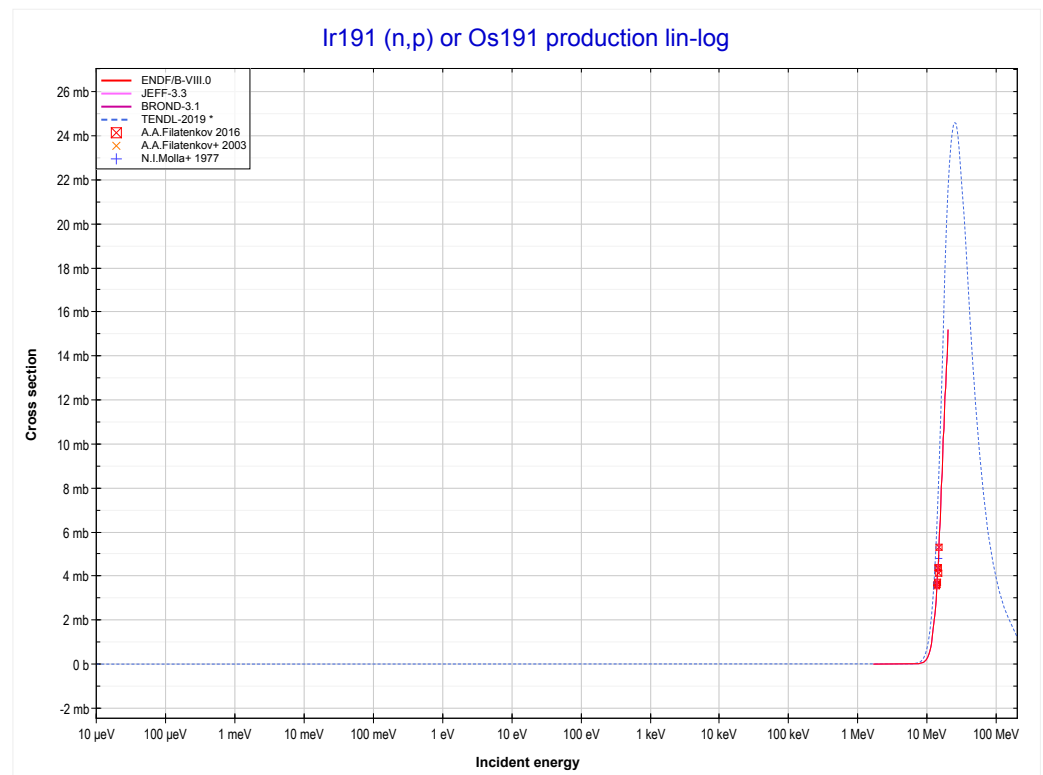
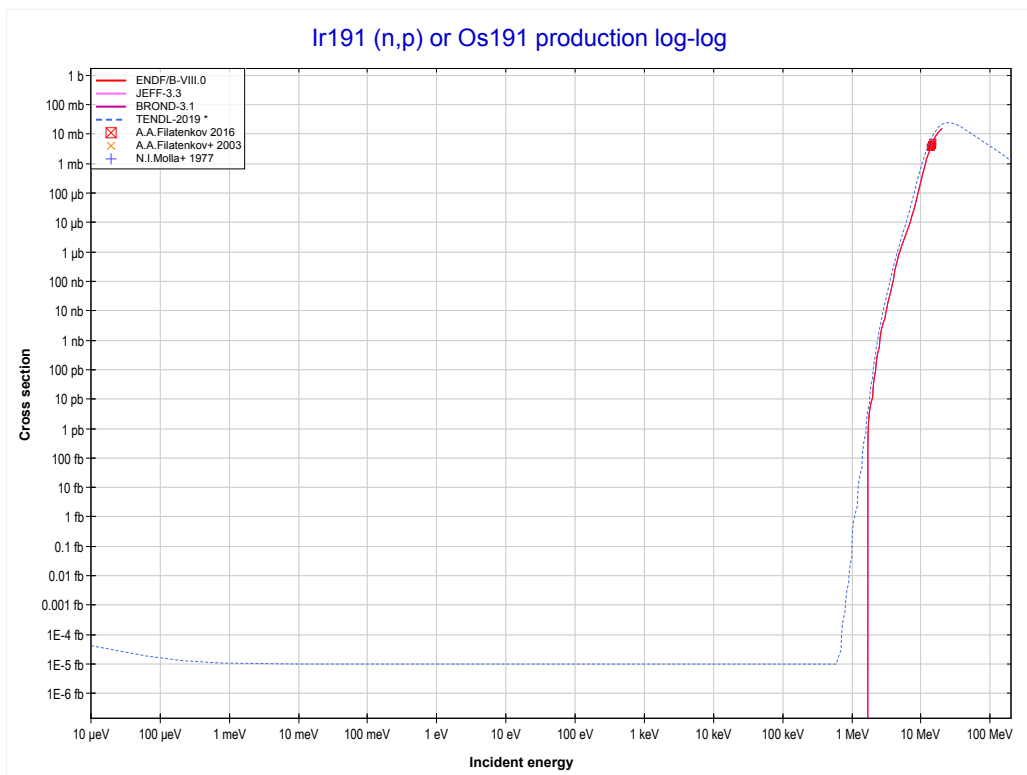
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|----------------|
| << 76-Os-193 | 77-Ir-191 | 77-Ir-192 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Ir192 production) | MT103 (n,p) >> |



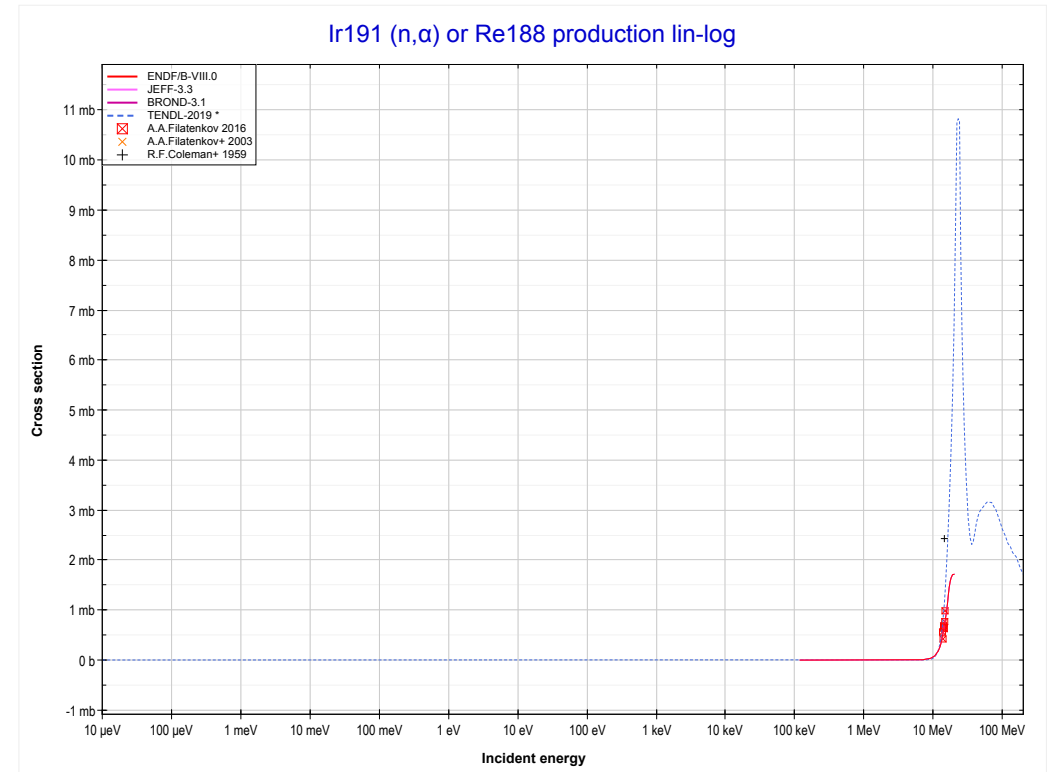
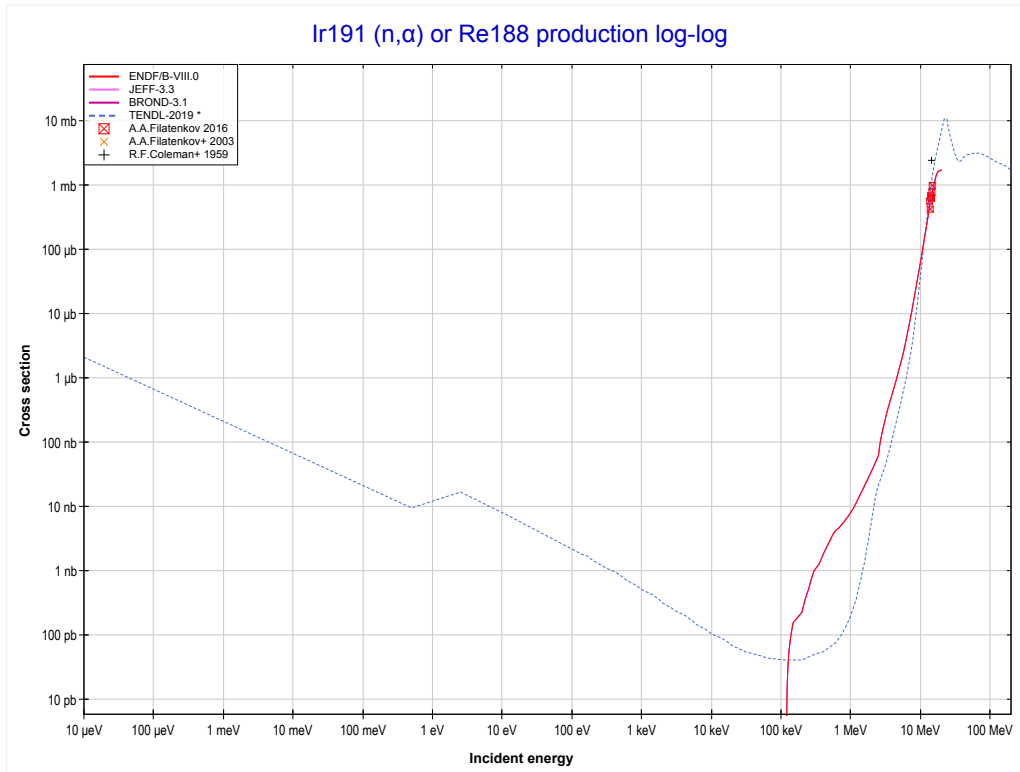
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 954.1 b | 953.36 b | 949.97 b | 0.99642 | 3539.03 b | 0.160411 b | 0.00114 b |
| ENDF/B-VIII.0 | 954.264 b | 954.264 b | 951.15 b | 0.99674 | 3323.81 b | 0.161739 b | 0.00188 b |
| JEFF-3.3 | 954.264 b | 954.264 b | 951.15 b | 0.99674 | 3323.81 b | 0.161739 b | 0.00188 b |
| BROND-3.1 | 954.264 b | 954.264 b | 951.15 b | 0.99674 | 3323.81 b | 0.161739 b | 0.00188 b |
| TENDL-2019 | 954.669 b | 954.669 b | 951.17 b | 0.99633 | 3323.27 b | 0.218415 b | 0.00135569 b |

| | | |
|-------------------------|--|-------------------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-193 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Os191 production) | MT107 (n, α) >> |



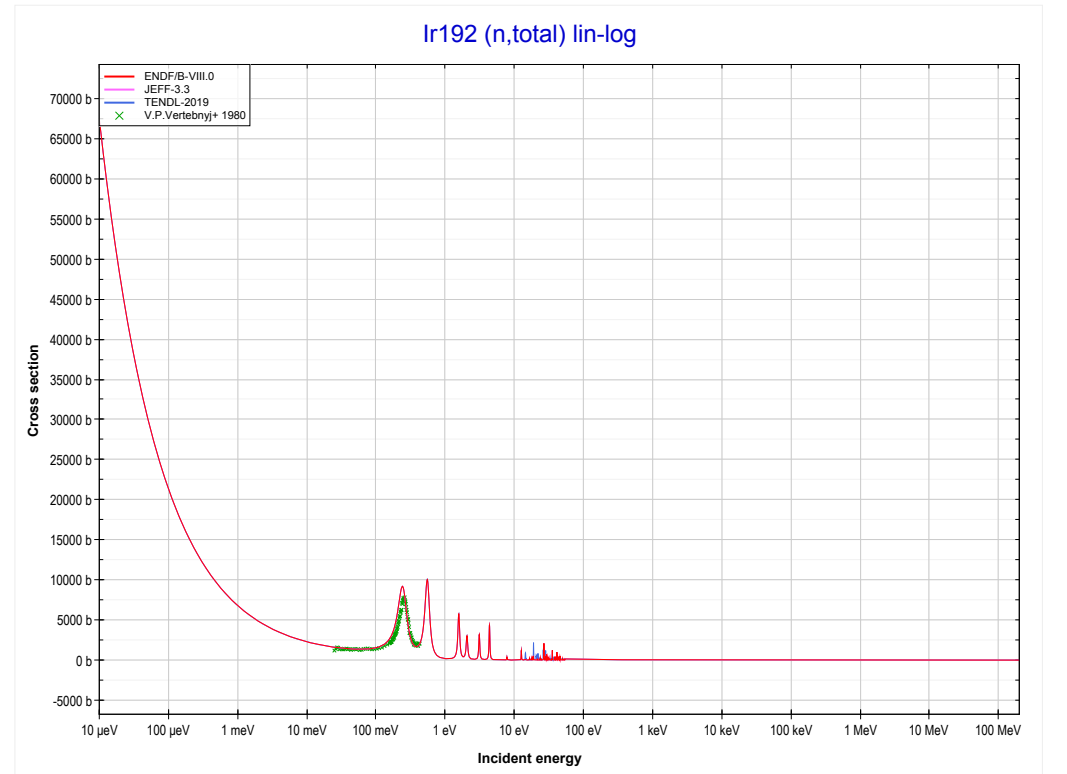
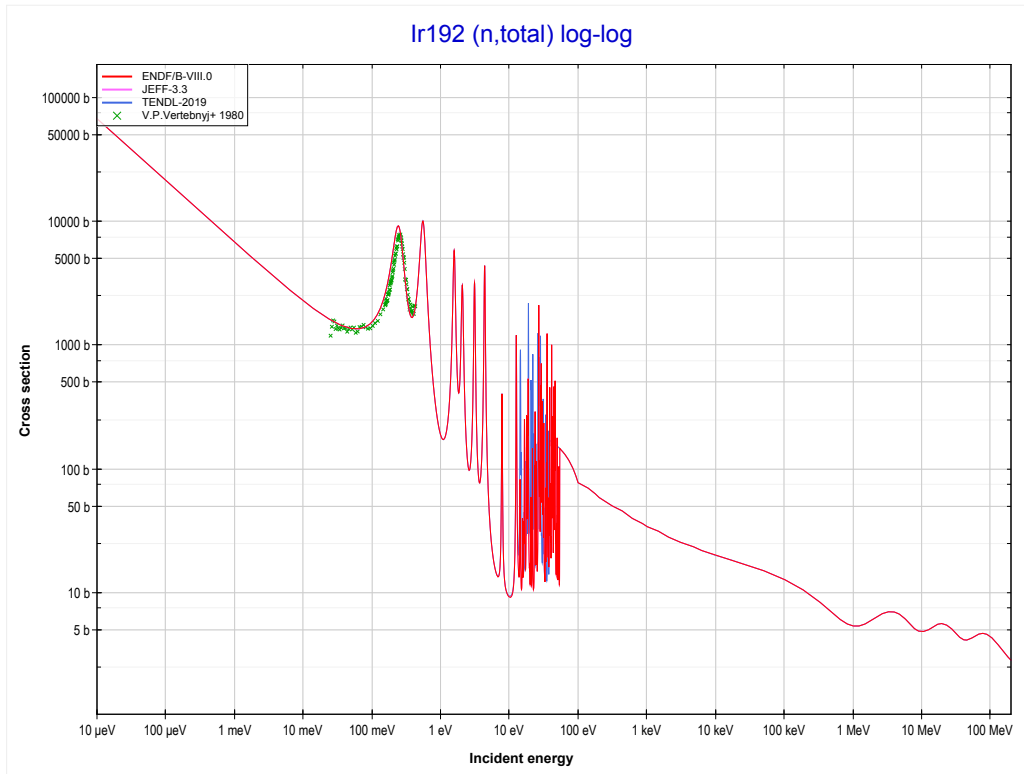
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26926E-6 b | 0.00397394 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26926E-6 b | 0.00397394 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26926E-6 b | 0.00397394 b |
| TENDL-2019 | 1.0026E-20 b | 1.0026E-20 b | 1.1314E-20 b | 1.12849 | 1.22073E-19 b | 7.47459E-6 b | 0.00676235 b |

| | | |
|----------------|--|----------------------------|
| << 76-Os-192 | 77-Ir-191 | 77-Ir-193 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Re188 production) | 77-Ir-192 MT1 (n,total) >> |



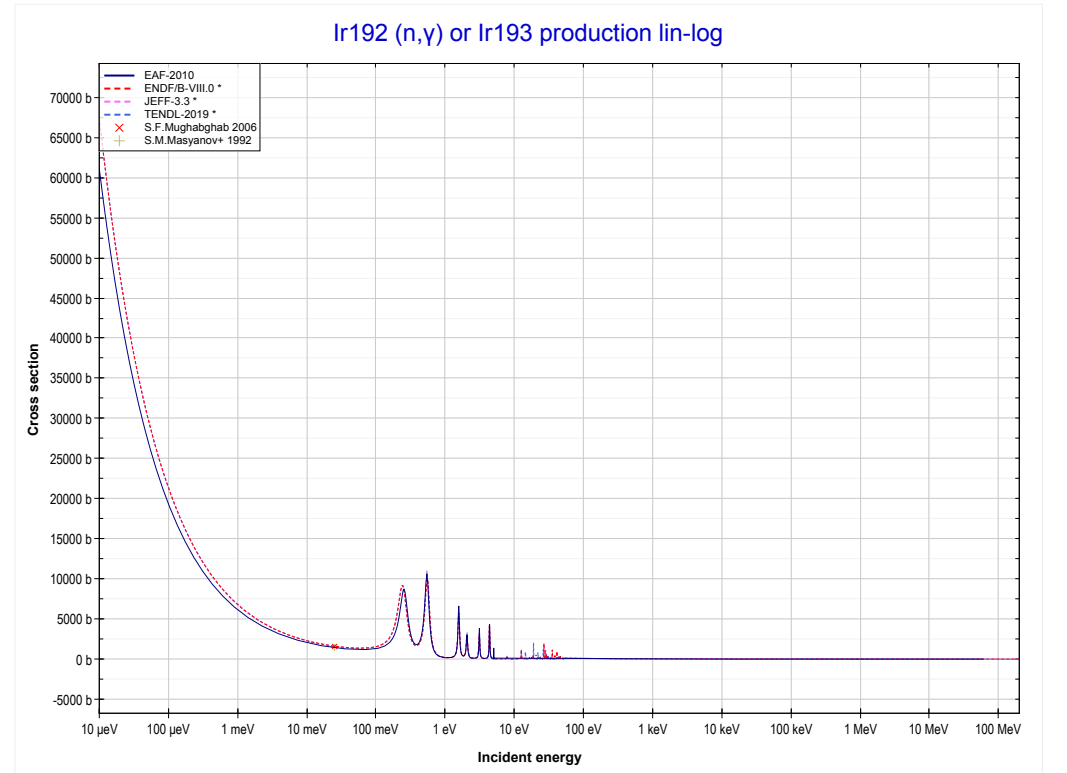
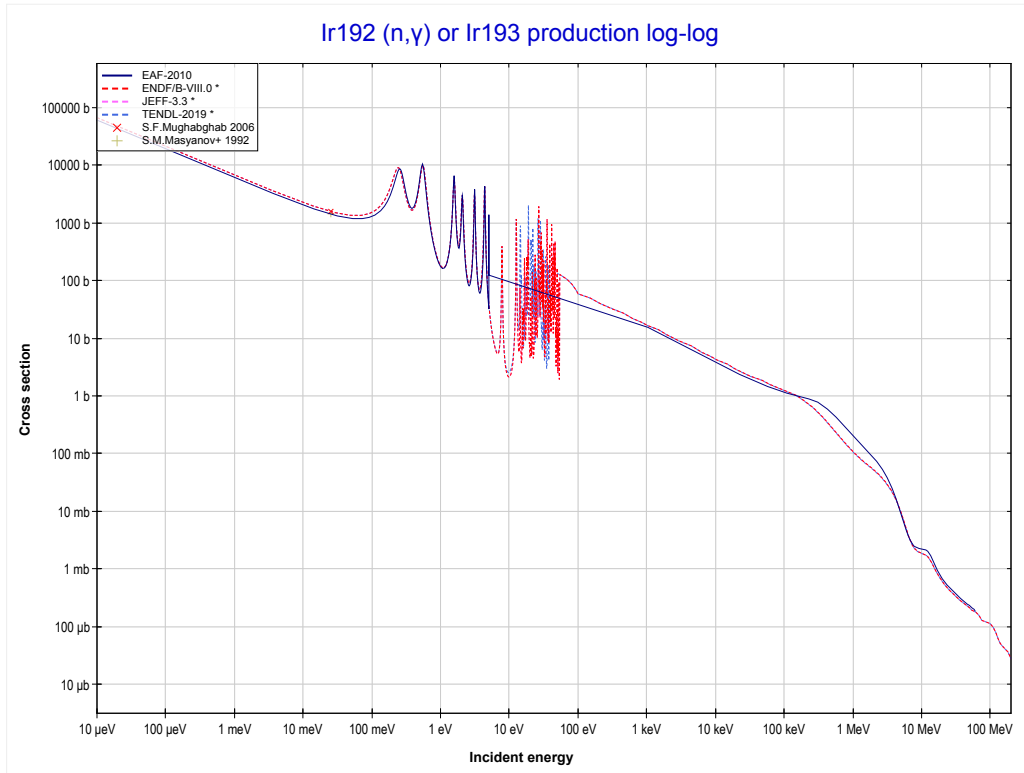
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.73298E-7 b | 5.71632E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.73298E-7 b | 5.71632E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.73298E-7 b | 5.71632E-4 b |
| TENDL-2019 | 4.19186E-8 b | 4.19186E-8 b | 4.1903E-8 b | 0.99962 | 5.10429E-8 b | 6.54194E-7 b | 8.8111E-4 b |

| | | |
|-----------------------------------|----------------------|-------------------------|
| << 77-Ir-191 | 77-Ir-192 | 77-Ir-193 >> |
| << 77-Ir-191 MT107 (n, α) | MT1 (n,total) | MT102 (n, γ) >> |



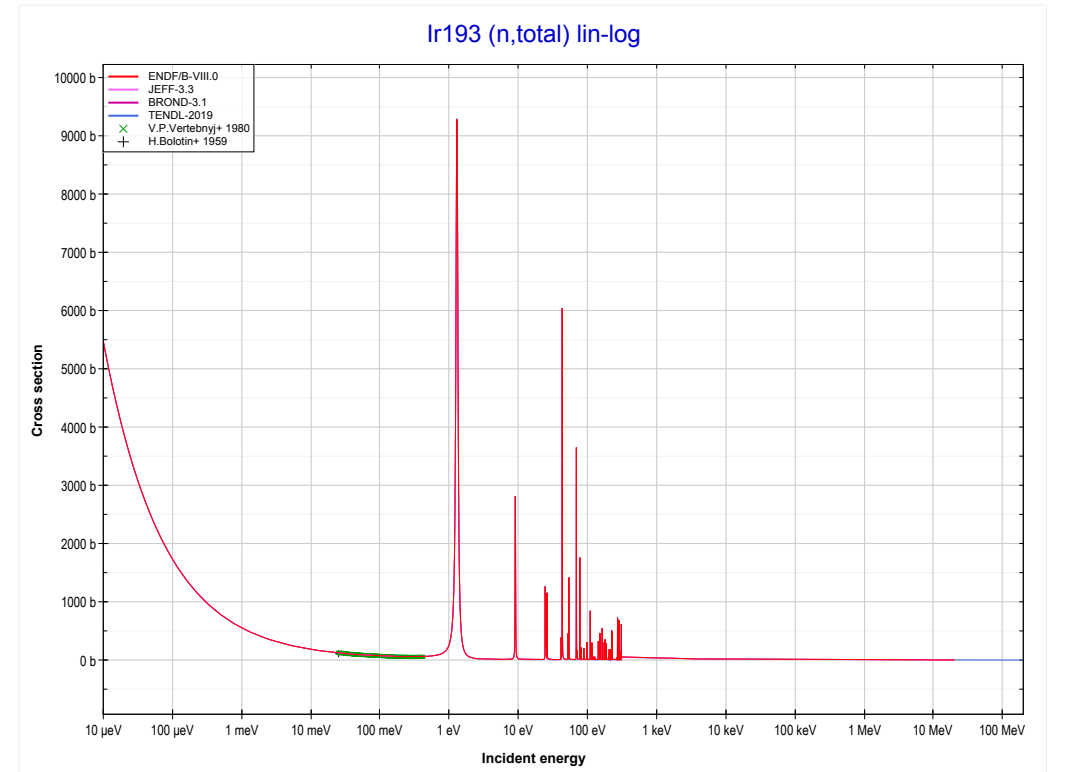
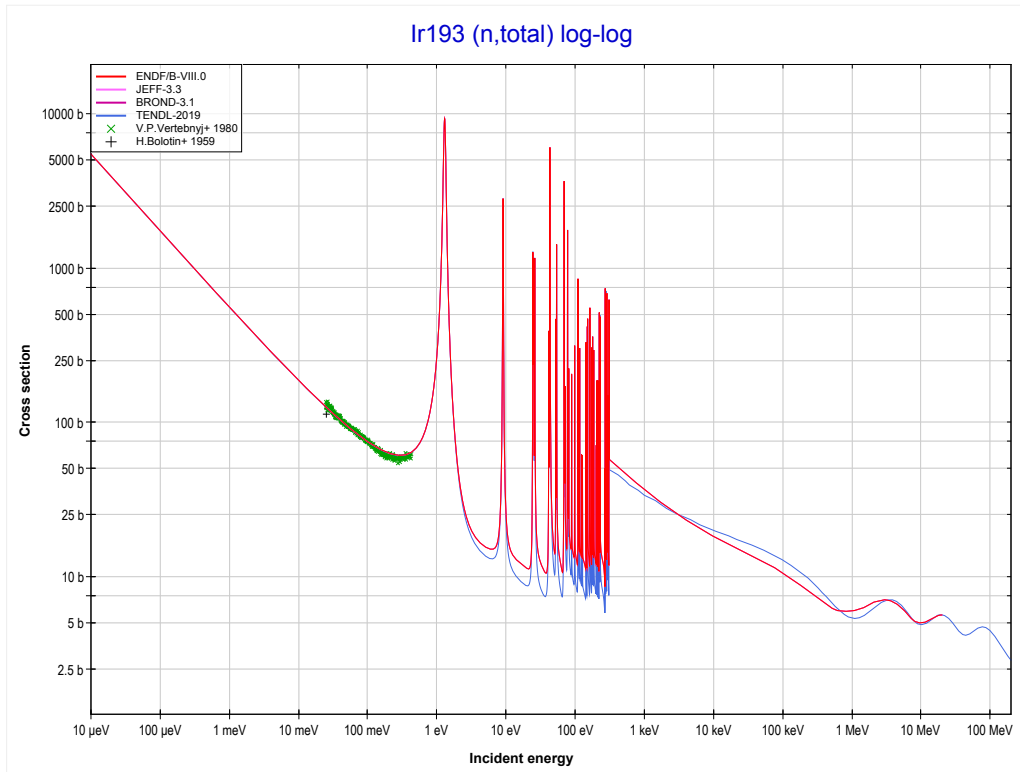
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1588.91 b | 1588.91 b | 1885.3 b | 1.18654 | 3839.18 b | 6.57372 b | 5.17528 b |
| JEFF-3.3 | 1588.91 b | 1588.91 b | 1885.3 b | 1.18654 | 3839.18 b | 6.57372 b | 5.17528 b |
| TENDL-2019 | 1588.13 b | 1588.13 b | 1883.6 b | 1.18604 | 3912.73 b | 6.57378 b | 5.17527 b |

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|------------------|--|----------------------------|
| << 77-Ir-191 | 77-Ir-192 | 77-Ir-193 >> |
| << MT1 (n,total) | MT102 (n,y) or MT5 (Ir193 production) | 77-Ir-193 MT1 (n,total) >> |



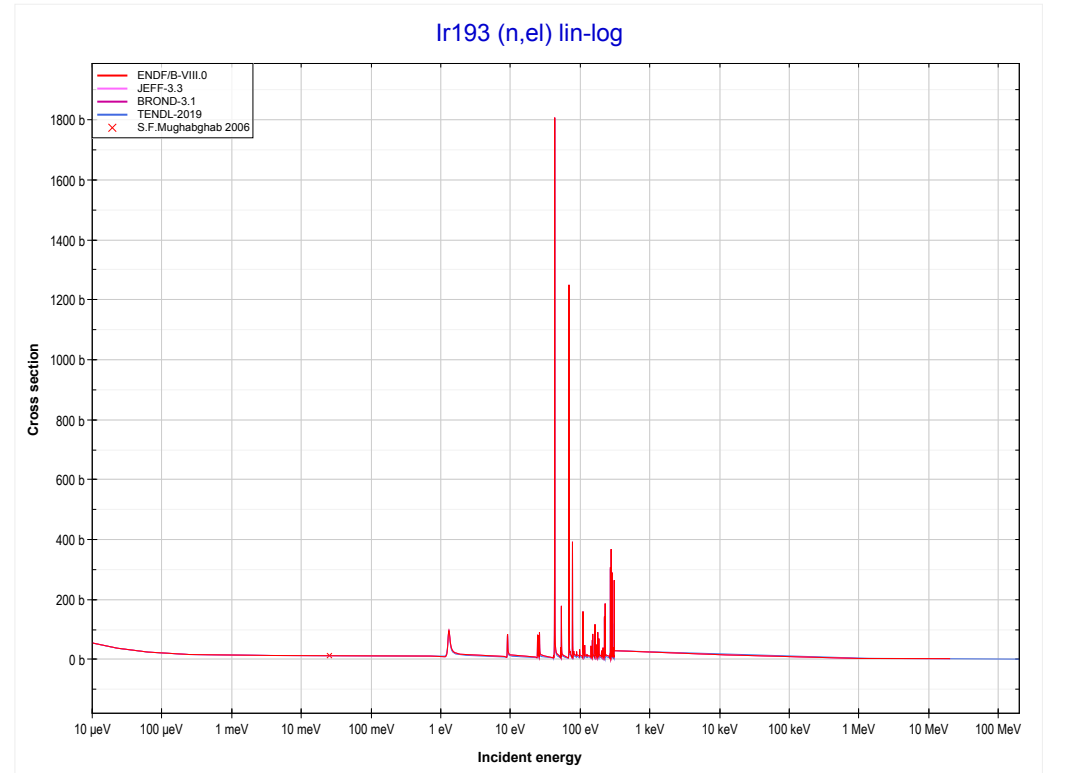
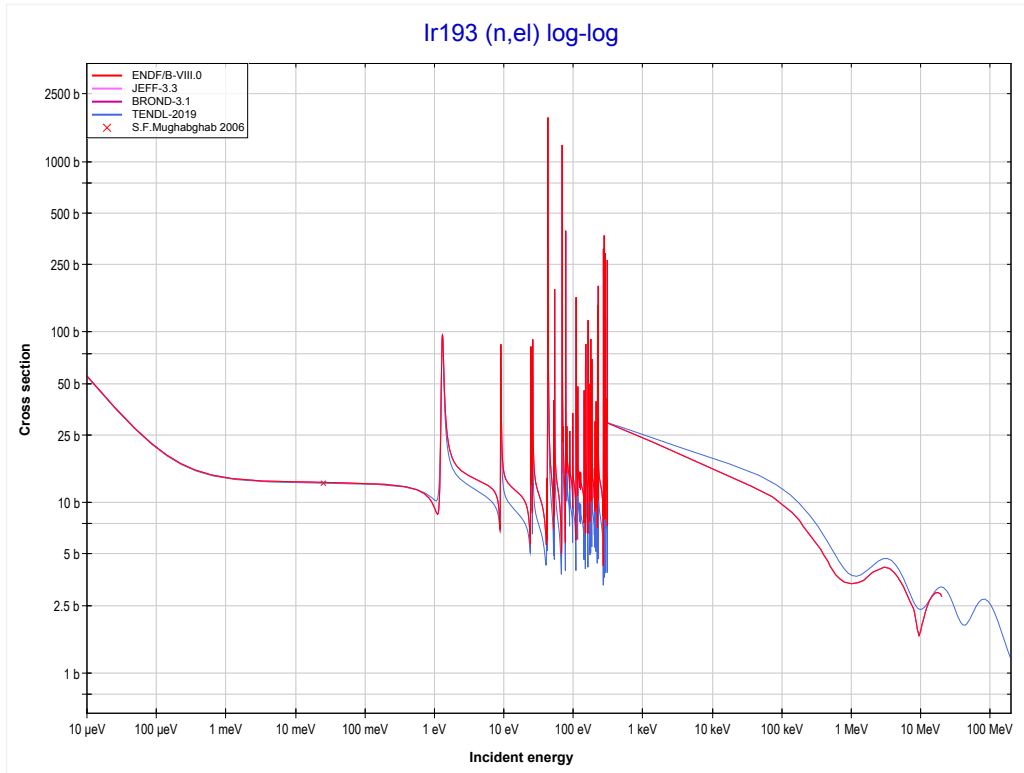
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1421.16 b | 1420.47 b | 1655.3 b | 1.1656 | 3488.12 b | 0.22833 b | 0.00156343 b |
| ENDF/B-VIII.0 | 1585.8 b | 1585.8 b | 1881.6 b | 1.18656 | 3659.19 b | 0.162139 b | 0.00128305 b |
| JEFF-3.3 | 1585.8 b | 1585.8 b | 1881.6 b | 1.18656 | 3659.19 b | 0.162139 b | 0.00128305 b |
| TENDL-2019 | 1584.98 b | 1584.98 b | 1879.9 b | 1.18606 | 3728.31 b | 0.160064 b | 0.00128133 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 77-Ir-192 | 77-Ir-193 | 78-Pt-194 >> |
| << 77-Ir-192 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



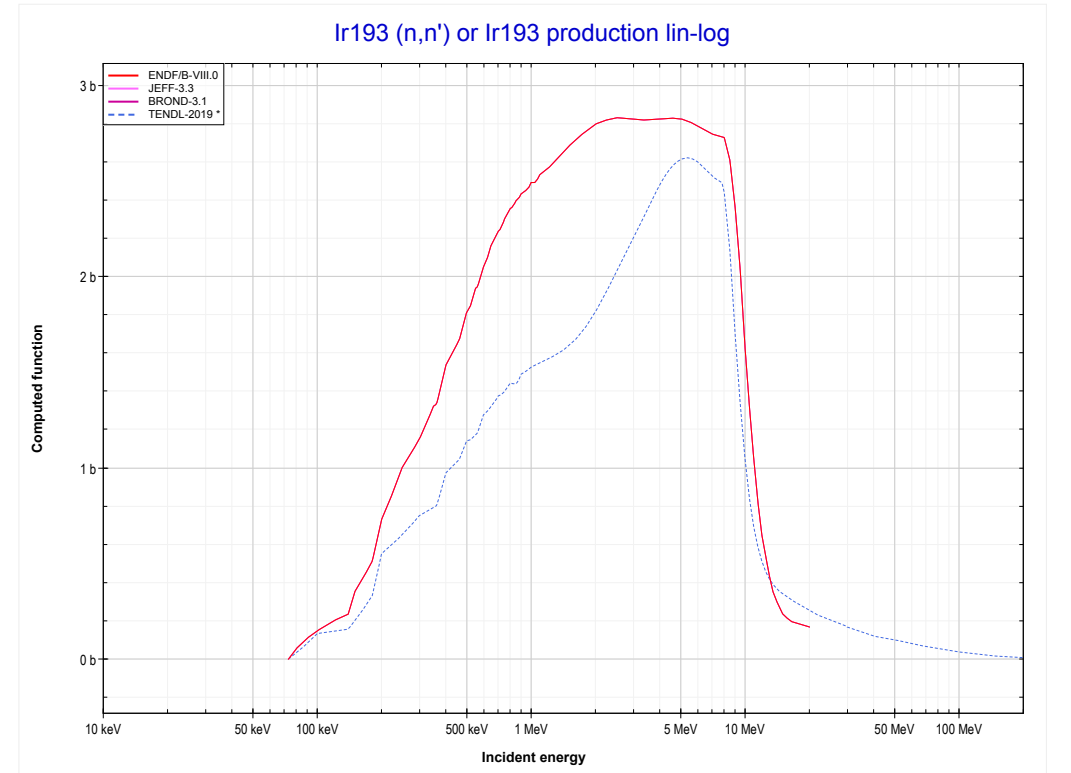
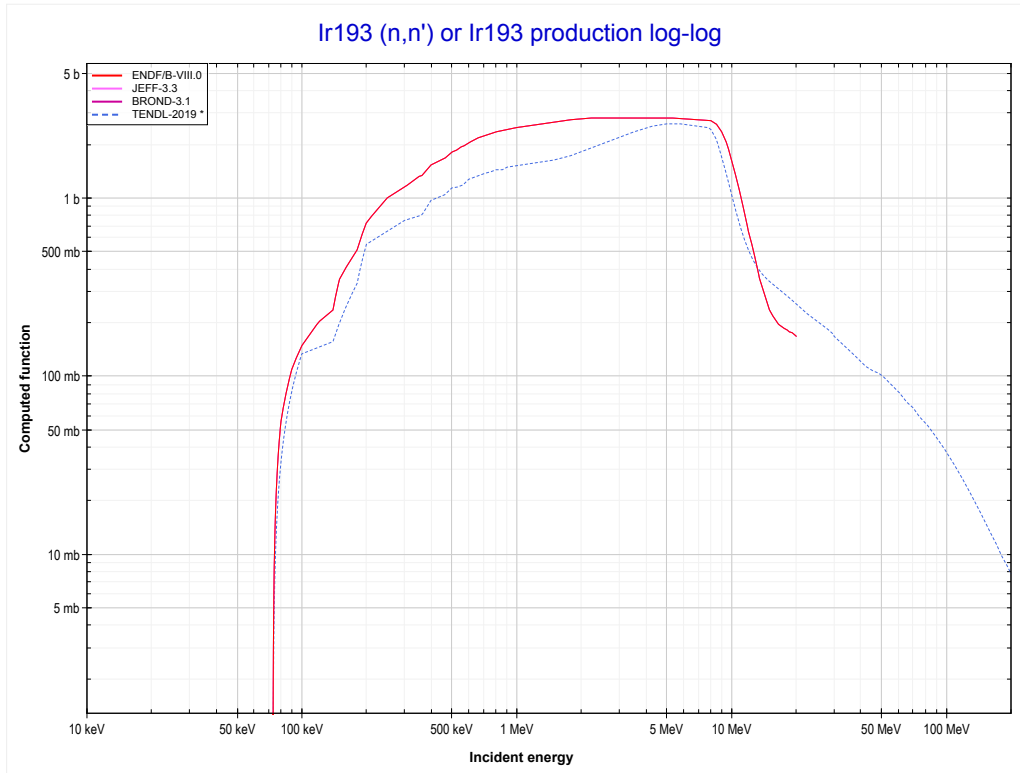
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 124.293 b | 124.293 b | 127.91 b | 1.0291 | 1614.05 b | 6.63632 b | 5.25215 b |
| JEFF-3.3 | 124.293 b | 124.293 b | 127.91 b | 1.0291 | 1614.05 b | 6.63632 b | 5.25215 b |
| BROND-3.1 | 124.293 b | 124.293 b | 127.91 b | 1.0291 | 1614.05 b | 6.63632 b | 5.25215 b |
| TENDL-2019 | 123.852 b | 123.852 b | 127.41 b | 1.02874 | 1594.91 b | 6.56308 b | 5.1889 b |

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|------------------|------------------------|---------------|
| << 77-Ir-191 | 77-Ir-193 | 78-Pt-190 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



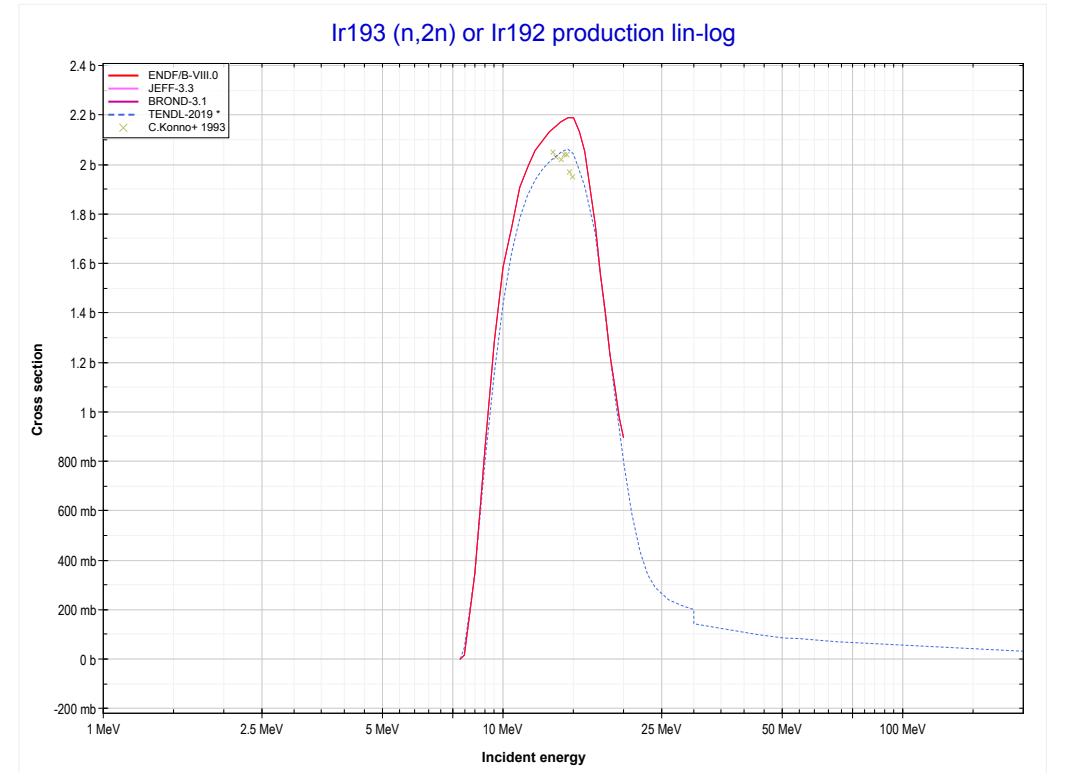
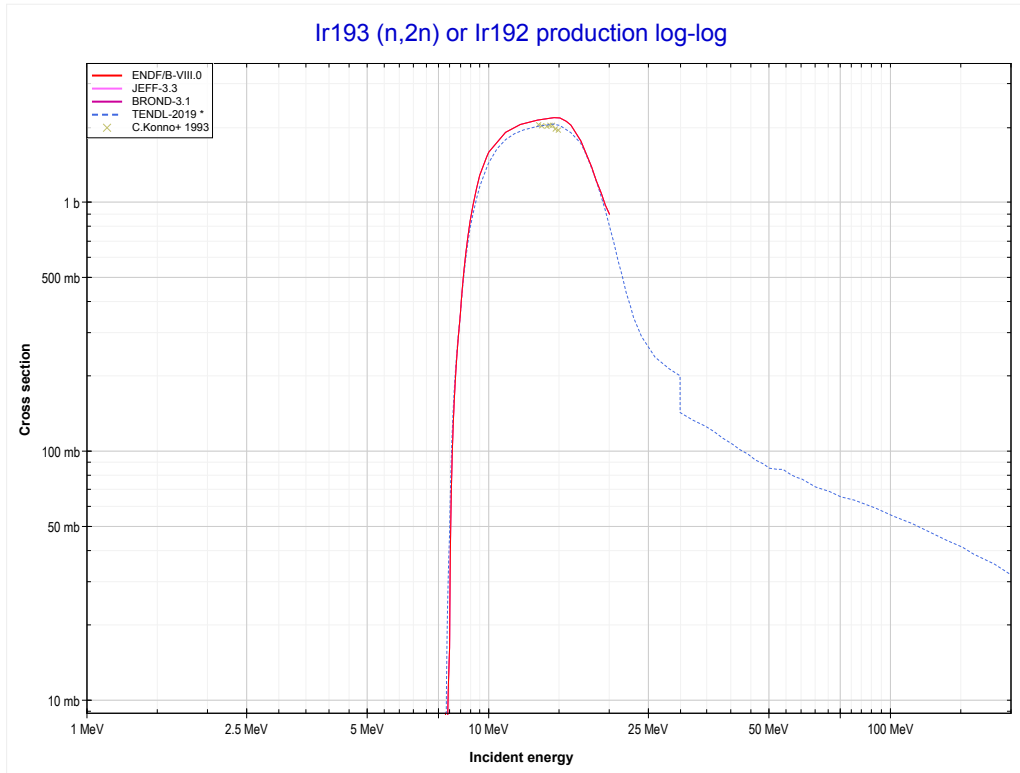
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 13.1244 b | 13.1244 b | 14.763 b | 1.12484 | 237.987 b | 4.09773 b | 2.75428 b |
| JEFF-3.3 | 13.1244 b | 13.1244 b | 14.763 b | 1.12484 | 237.987 b | 4.09773 b | 2.75428 b |
| BROND-3.1 | 13.1244 b | 13.1244 b | 14.763 b | 1.12484 | 237.987 b | 4.09773 b | 2.75428 b |
| TENDL-2019 | 13.0181 b | 13.0181 b | 14.643 b | 1.12478 | 228.983 b | 4.77337 b | 2.76298 b |

| | | |
|--------------------|---|----------------|
| << 77-Ir-191 | 77-Ir-193 | 79-Au-197 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Ir193 production) | MT16 (n,2n) >> |



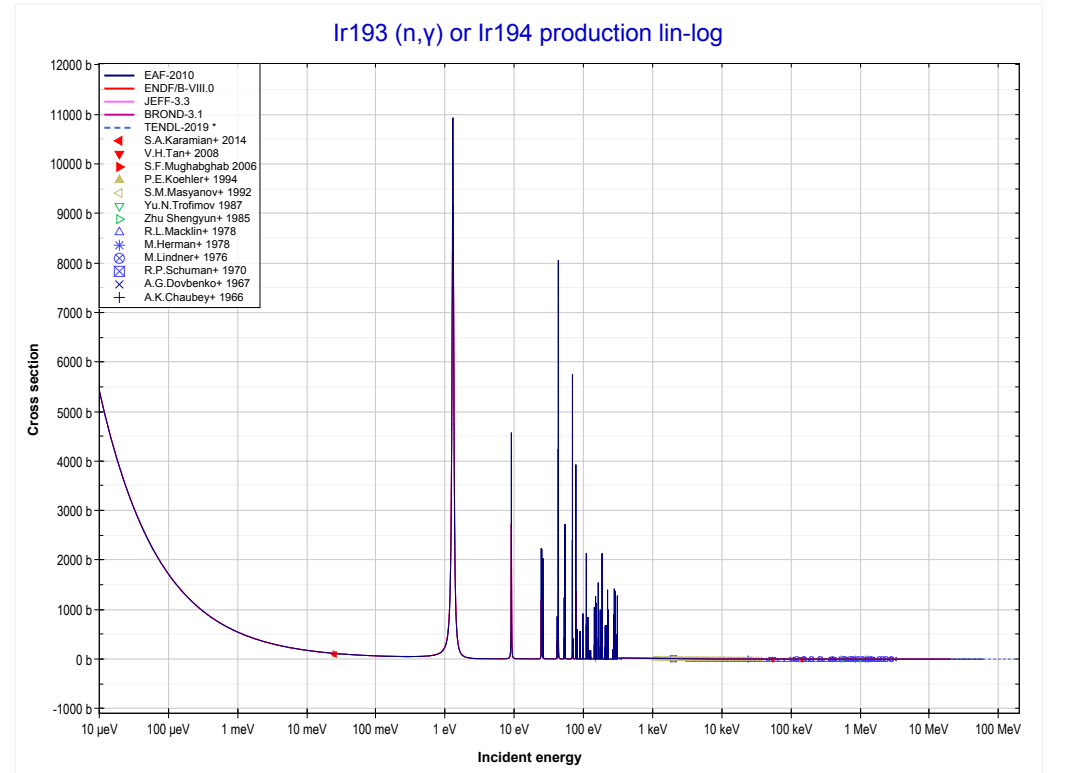
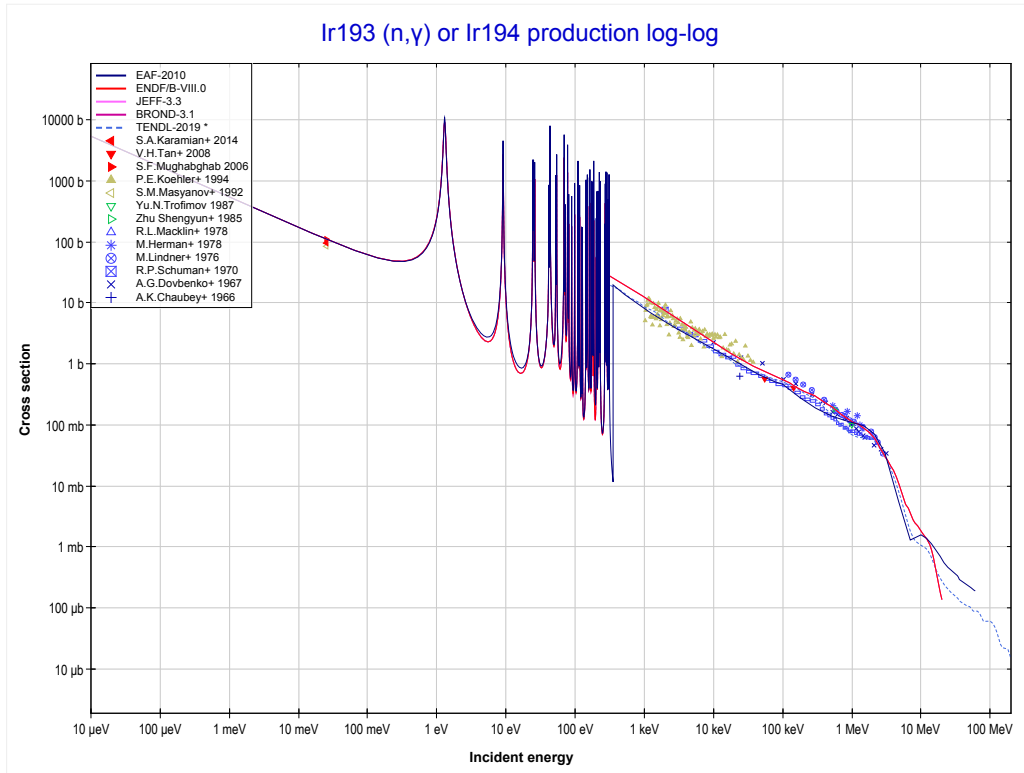
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0256791 b | 2.41685 b | 0.307814 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0256791 b | 2.41685 b | 0.307814 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0256791 b | 2.41685 b | 0.307814 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.0195445 b | 1.69275 b | 0.370452 b |

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|---------------|--|-------------------------|
| << 77-Ir-191 | 77-Ir-193 | 78-Pt-190 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Ir192 production) | MT102 (n, γ) >> |



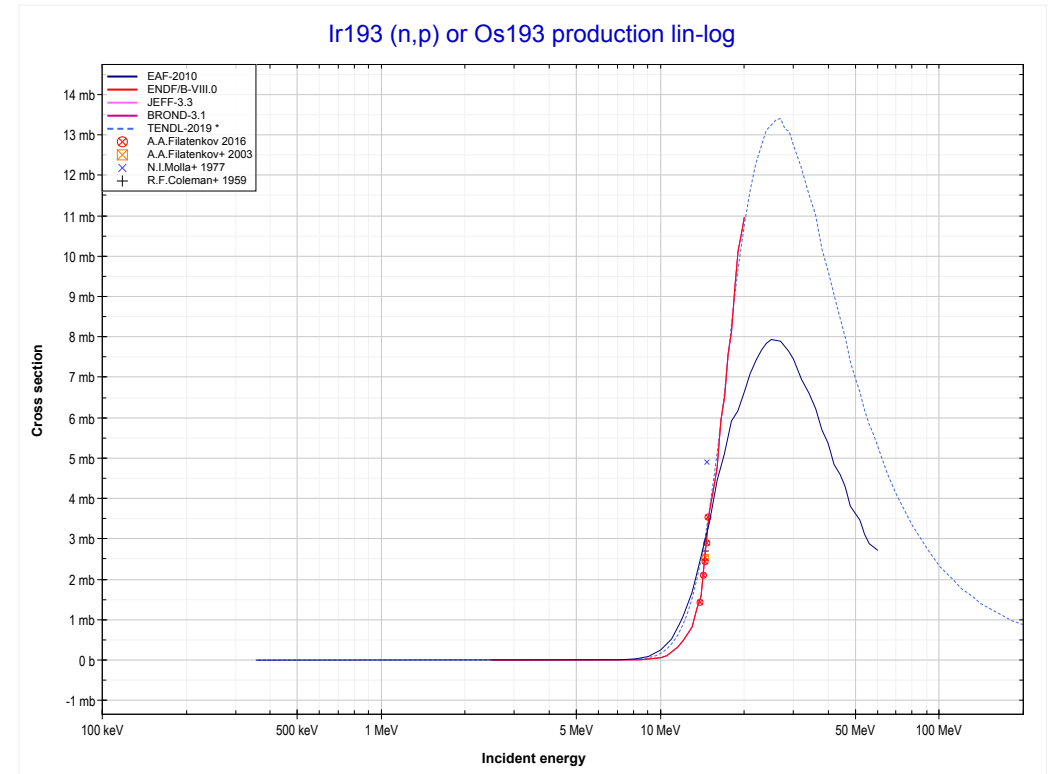
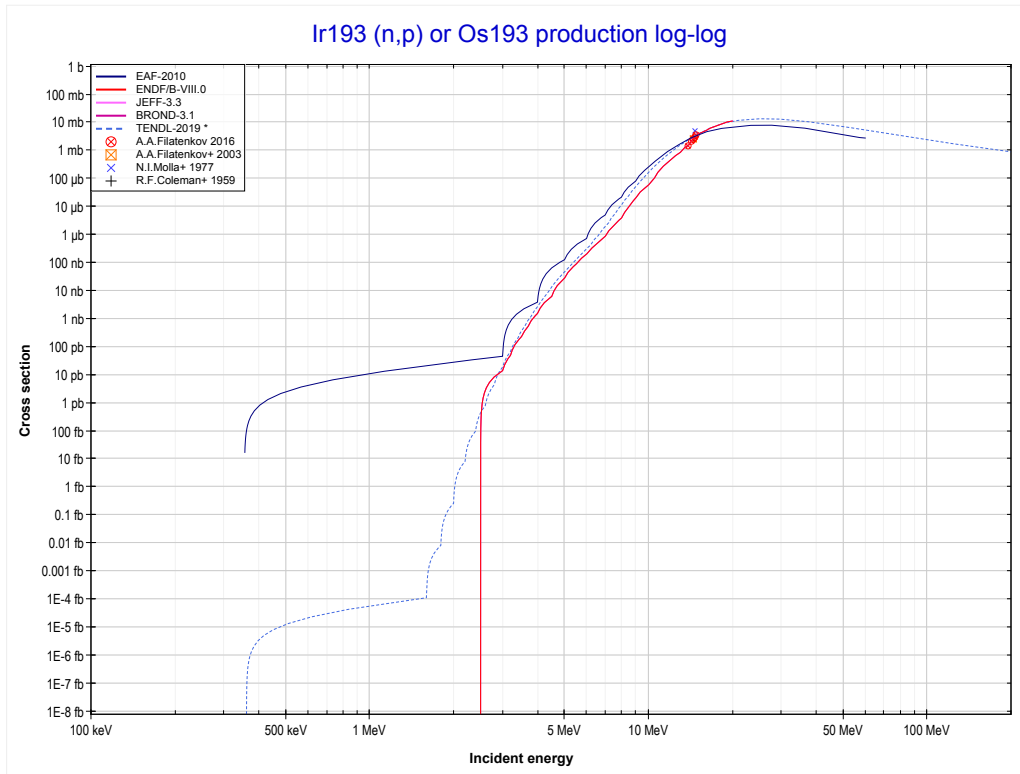
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00747592 b | 2.1751 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00747592 b | 2.1751 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00747592 b | 2.1751 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0070368 b | 2.0518 b |

| | | |
|----------------|--|----------------|
| << 77-Ir-192 | 77-Ir-193 | 77-Ir-194 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Ir194 production) | MT103 (n,p) >> |



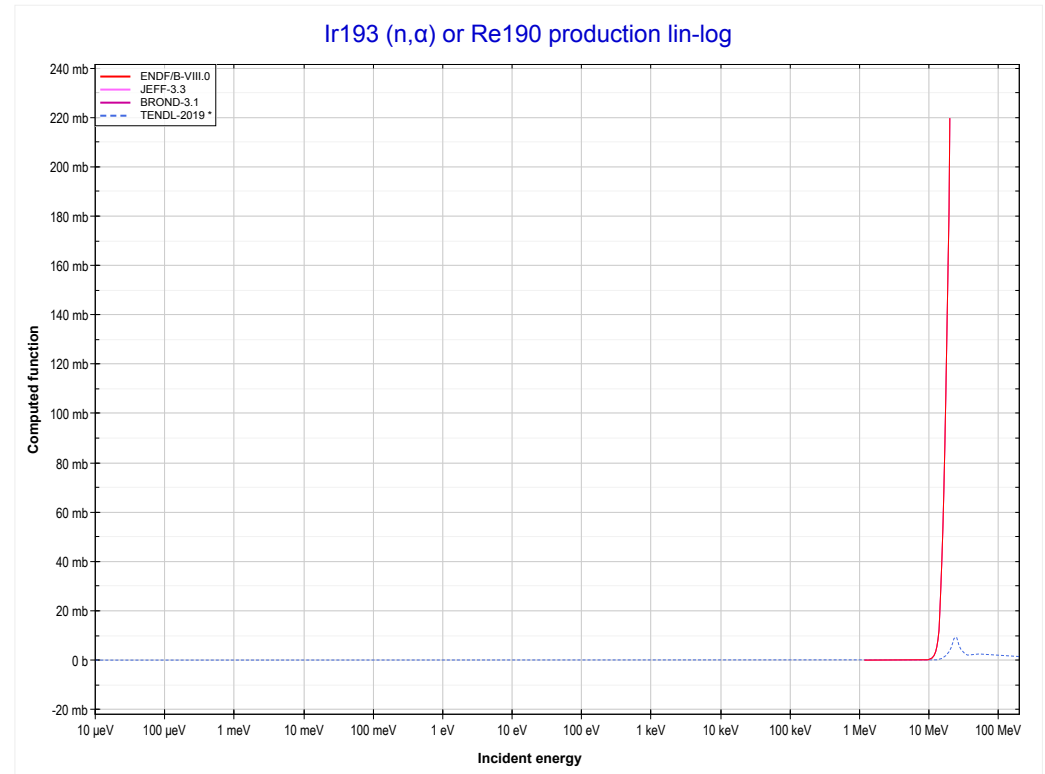
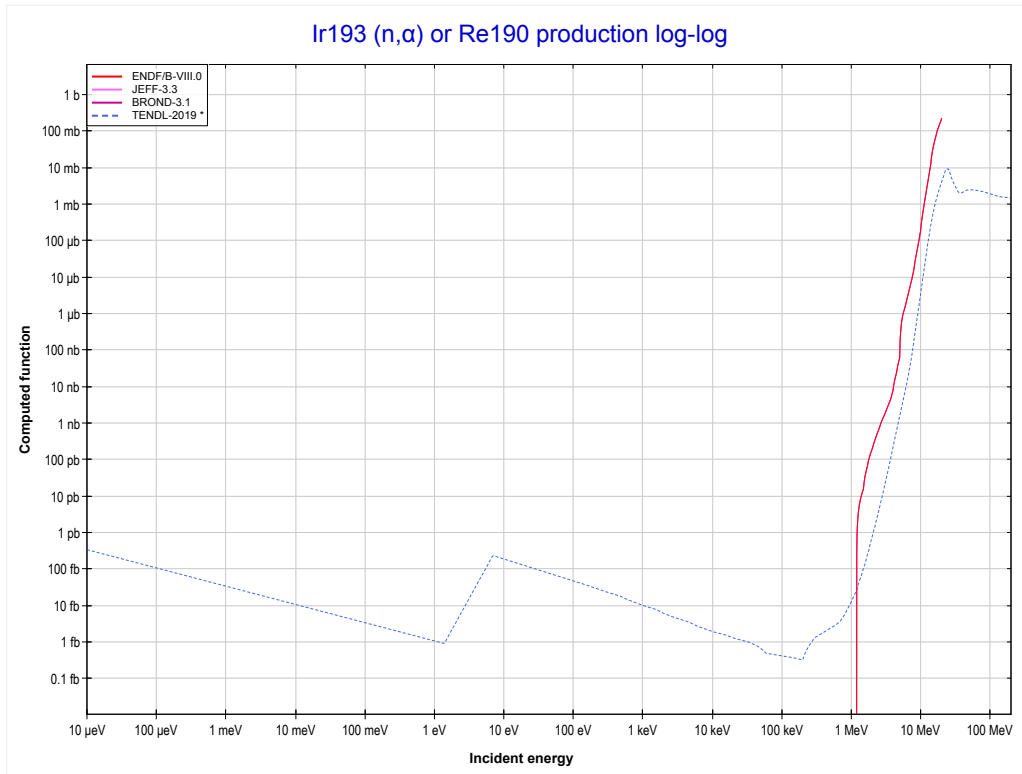
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 111 b | 110.925 b | 112.81 b | 1.01702 | 1370.23 b | 0.0978248 b | 0.0011499 b |
| ENDF/B-VIII.0 | 111.168 b | 111.168 b | 113.15 b | 1.0178 | 1376.04 b | 0.11424 b | 9.44797E-4 b |
| JEFF-3.3 | 111.168 b | 111.168 b | 113.15 b | 1.0178 | 1376.04 b | 0.11424 b | 9.44797E-4 b |
| BROND-3.1 | 111.168 b | 111.168 b | 113.15 b | 1.0178 | 1376.04 b | 0.11424 b | 9.44797E-4 b |
| TENDL-2019 | 110.834 b | 110.834 b | 112.77 b | 1.01746 | 1365.91 b | 0.0903326 b | 6.9227E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 77-Ir-191 | 77-Ir-193 | 78-Pt-194 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Os193 production) | MT107 (n, α) >> |



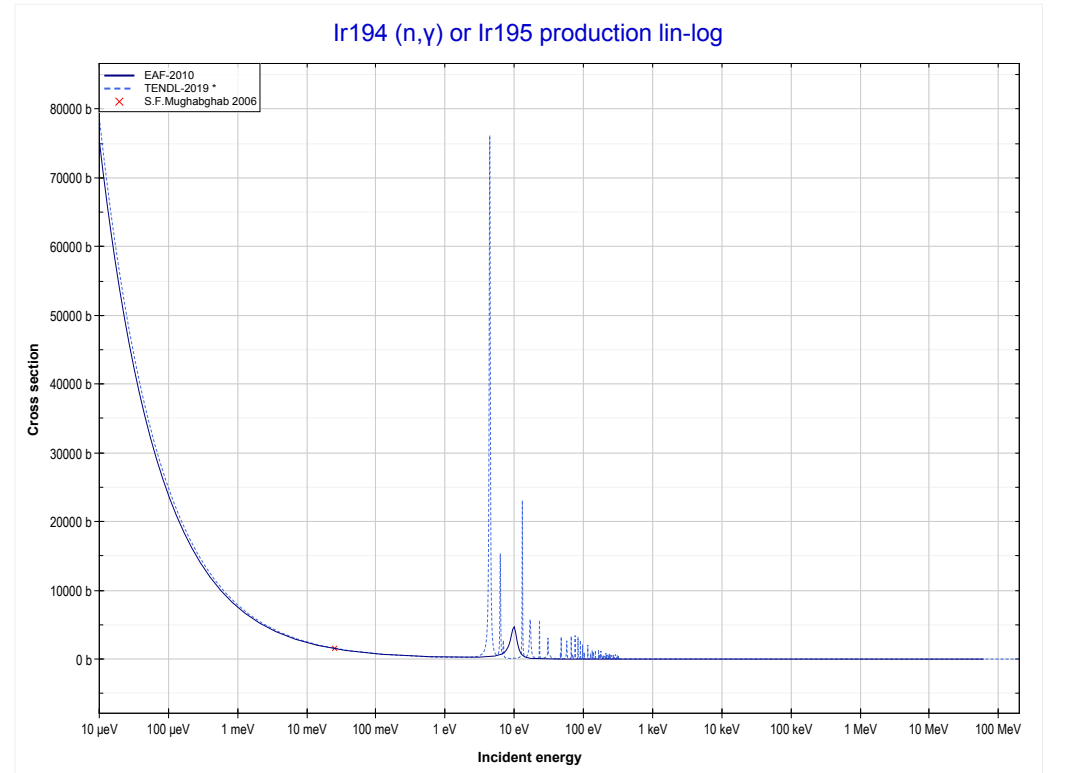
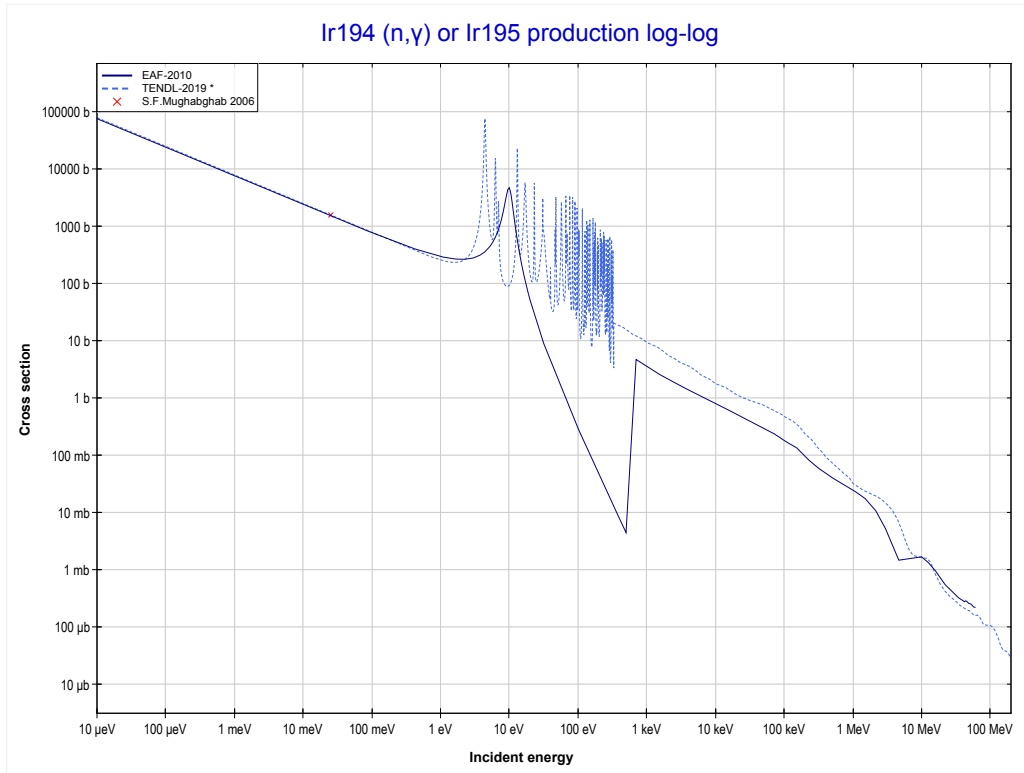
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38813E-6 b | 0.002574 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15028E-6 b | 0.00158066 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15028E-6 b | 0.00158066 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15028E-6 b | 0.00158066 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.89072E-6 b | 0.00248853 b |

| | | |
|----------------|--|-----------------------------------|
| << 77-Ir-191 | 77-Ir-193 | 78-Pt-190 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Re190 production) | 77-Ir-194 MT102 (n, γ) >> |



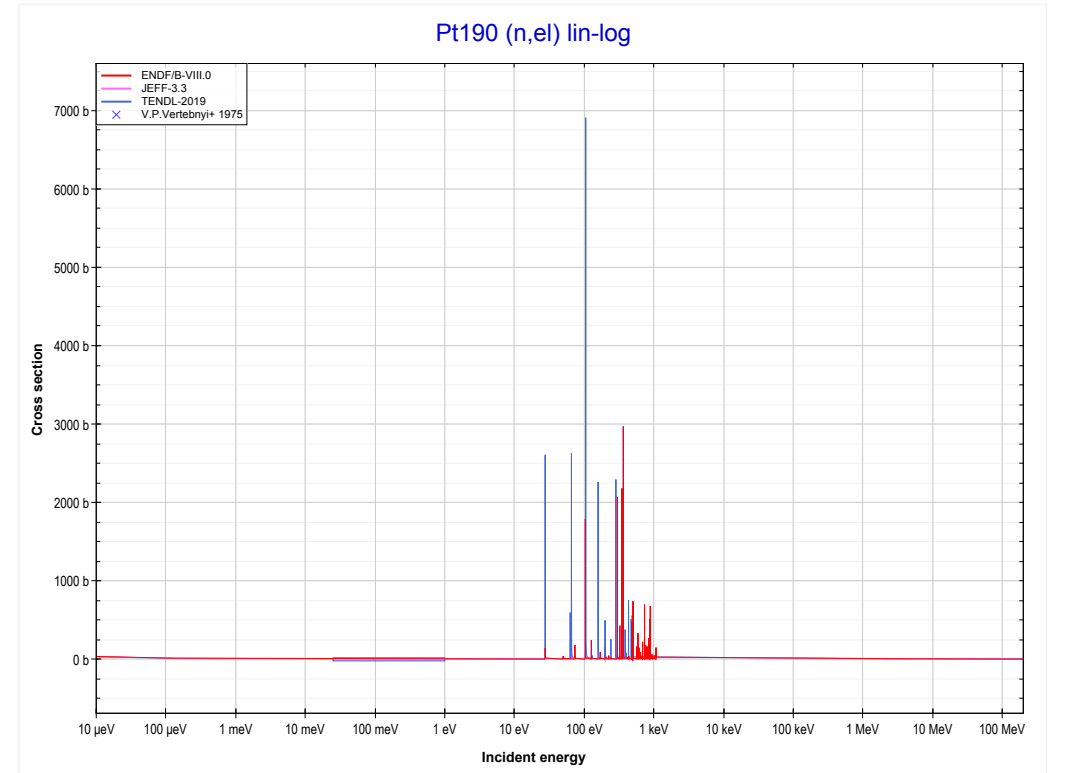
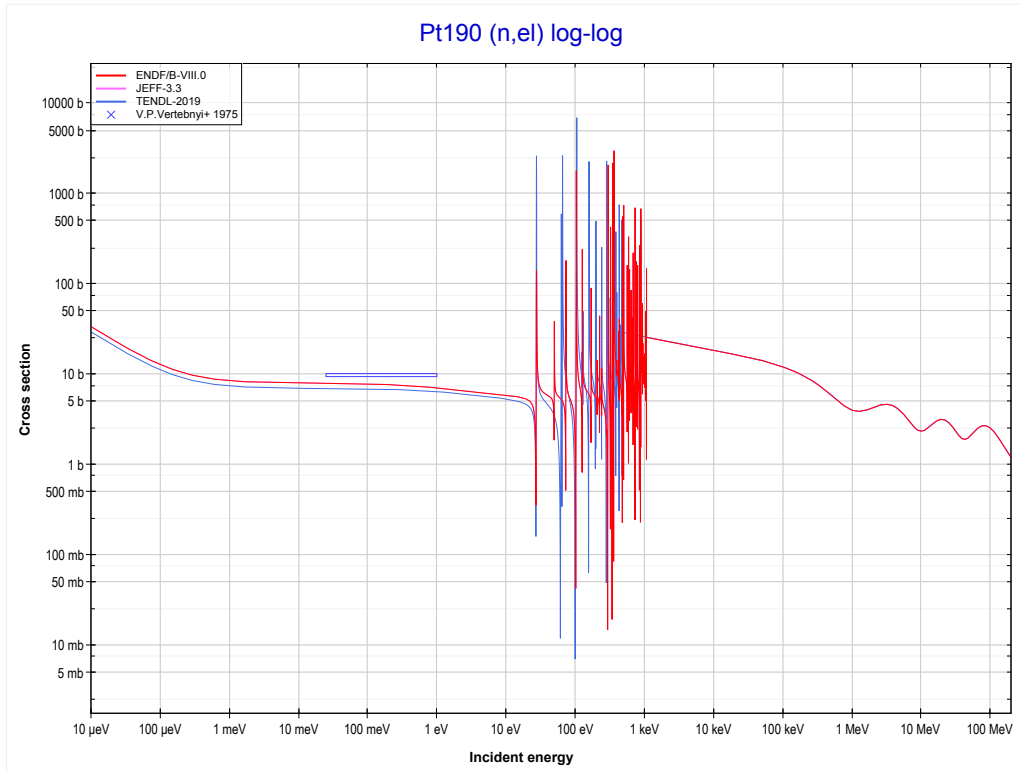
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.47927E-6 b | 0.0122787 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.47927E-6 b | 0.0122787 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 8.47927E-6 b | 0.0122787 b |
| TENDL-2019 | 6.7735E-15 b | 6.7735E-15 b | 6.7721E-15 b | 0.99979 | 4.58603E-13 b | 1.47926E-7 b | 2.61271E-4 b |

| | | |
|-----------------------------------|--|------------------------------|
| << 77-Ir-193 | 77-Ir-194 | 78-Pt-190 >> |
| << 77-Ir-193 MT107 (n, α) | MT102 (n,γ) or MT5 (Ir195 production) | 78-Pt-190 MT2 (n,elastic) >> |



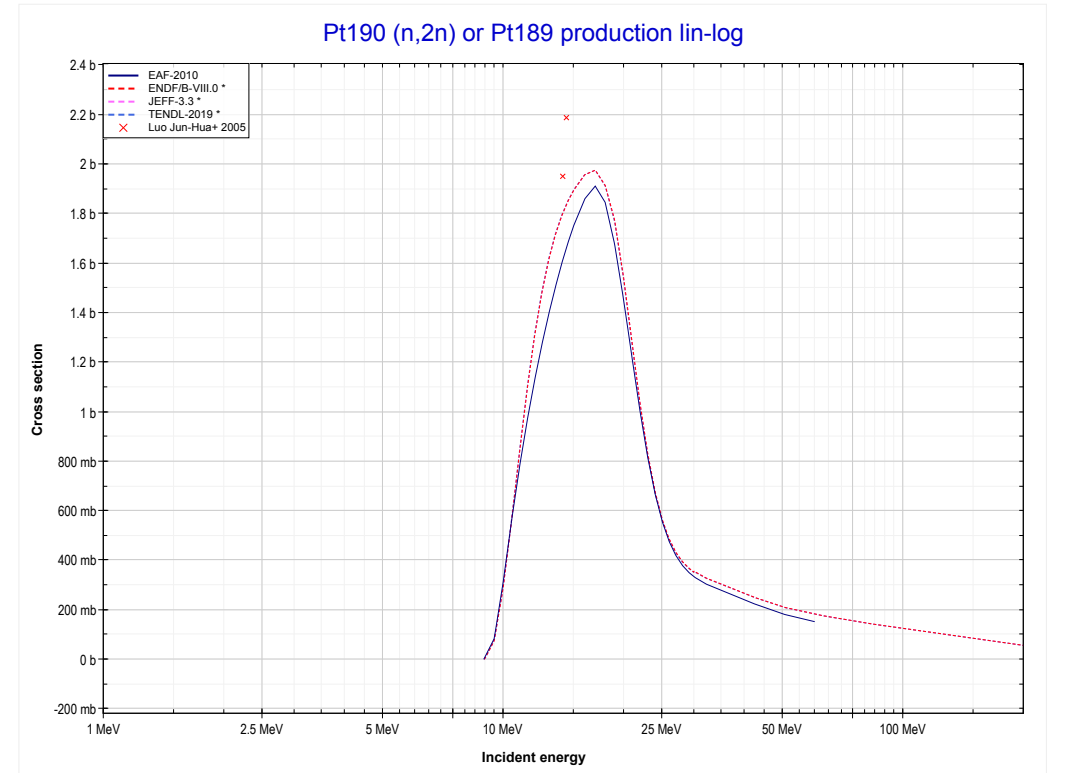
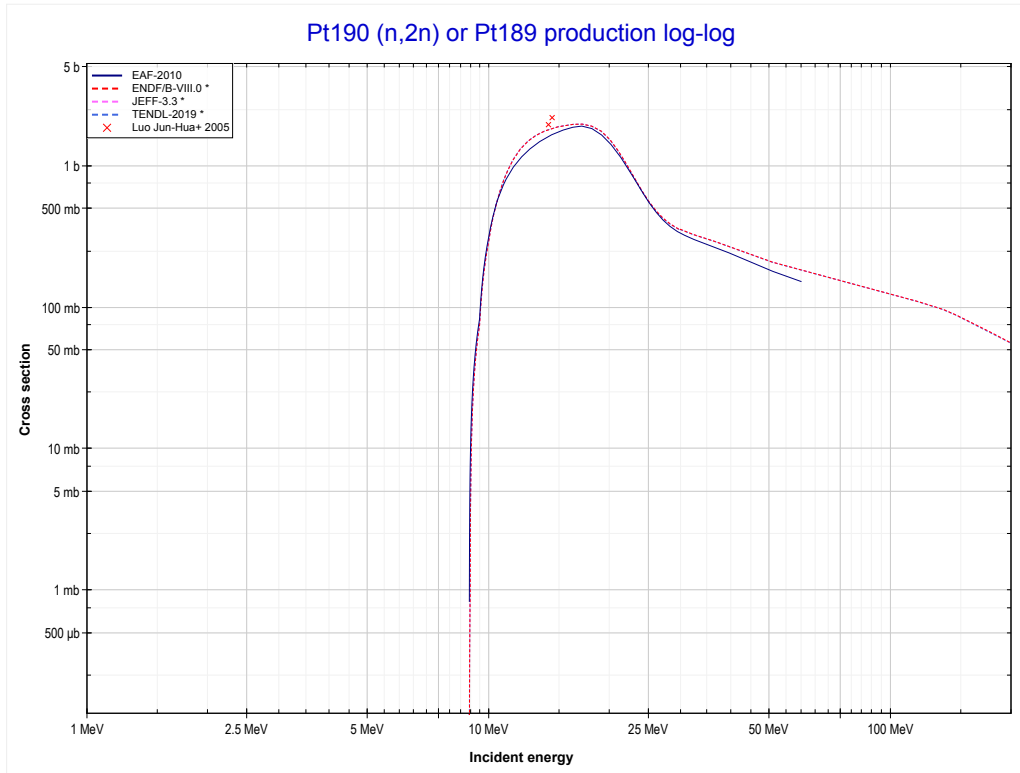
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1508.12 b | 1506.99 b | 1511.5 b | 1.00298 | 2444.59 b | 0.0261846 b | 0.00115 b |
| TENDL-2019 | 1562.92 b | 1562.92 b | 1561.8 b | 0.99925 | 7960.8 b | 0.0532896 b | 0.00121188 b |

| | | |
|-----------------------------------|------------------------|----------------|
| << 77-Ir-193 | 78-Pt-190 | 78-Pt-192 >> |
| << 77-Ir-194 MT102 (n, γ) | MT2 (n,elastic) | MT16 (n,2n) >> |



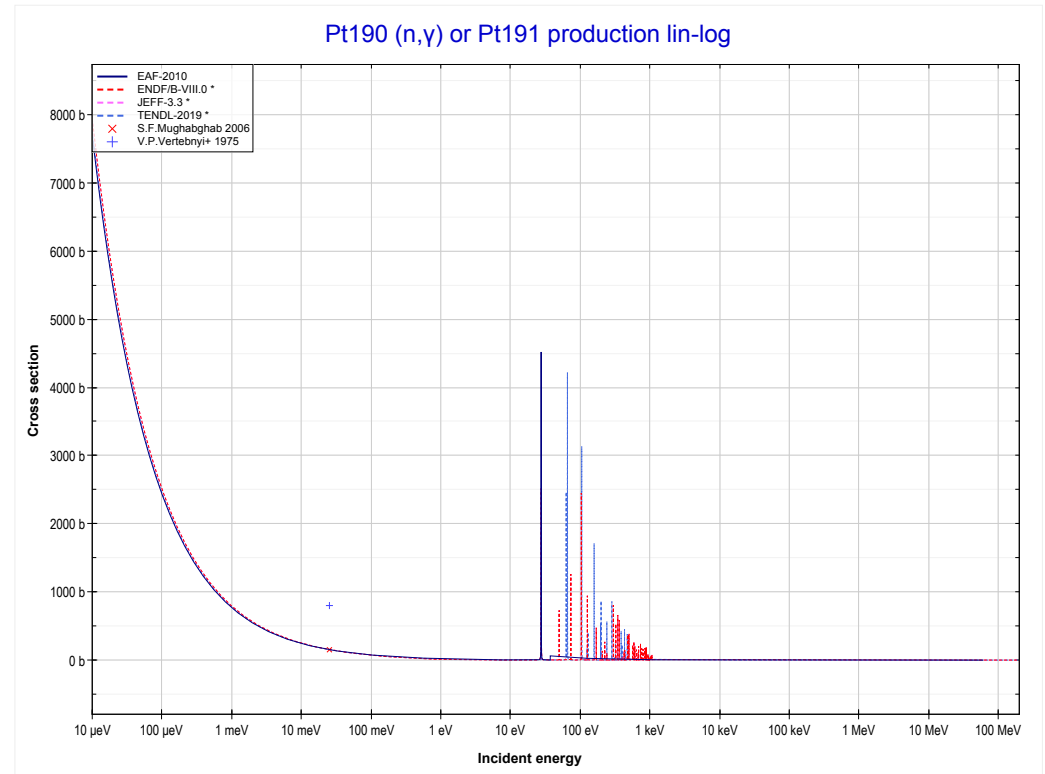
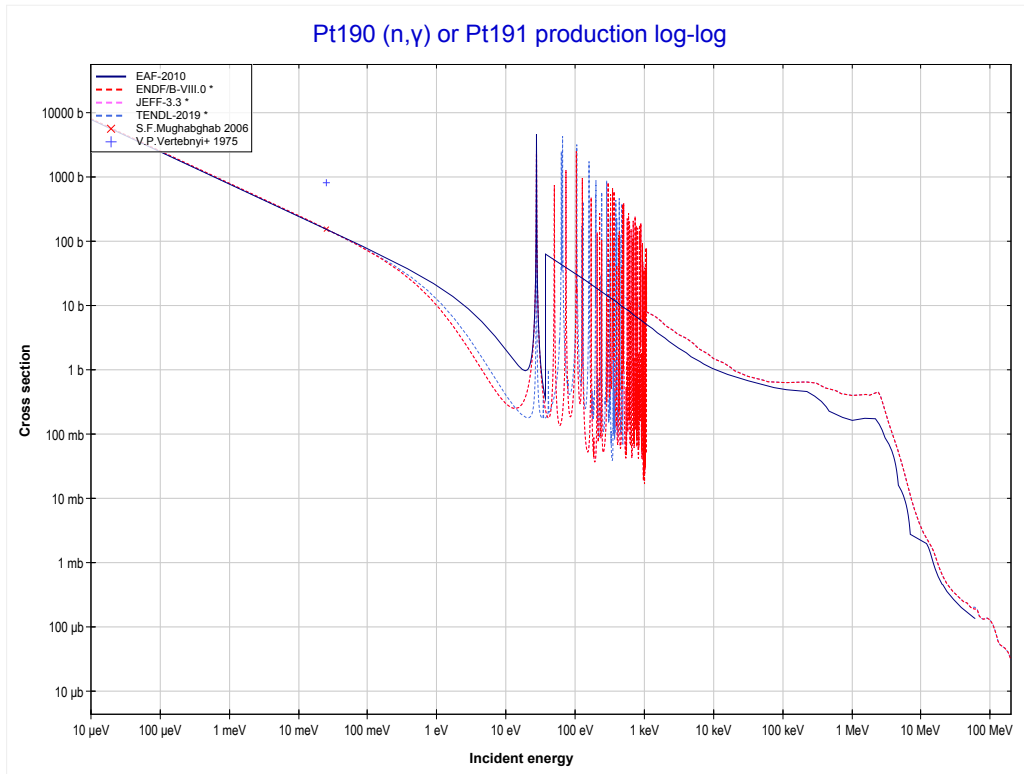
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7.89532 b | 7.89532 b | 8.8707 b | 1.12353 | 183.772 b | 4.86251 b | 2.70673 b |
| JEFF-3.3 | 7.89532 b | 7.89532 b | 8.8707 b | 1.12353 | 183.772 b | 4.86251 b | 2.70673 b |
| TENDL-2019 | 6.91934 b | 6.91934 b | 7.7881 b | 1.12555 | 264.18 b | 4.86299 b | 2.70673 b |

| | | |
|--------------------|--|-------------------------|
| << 77-Ir-193 | 78-Pt-190 | 78-Pt-192 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Pt189 production) | MT102 (n, γ) >> |



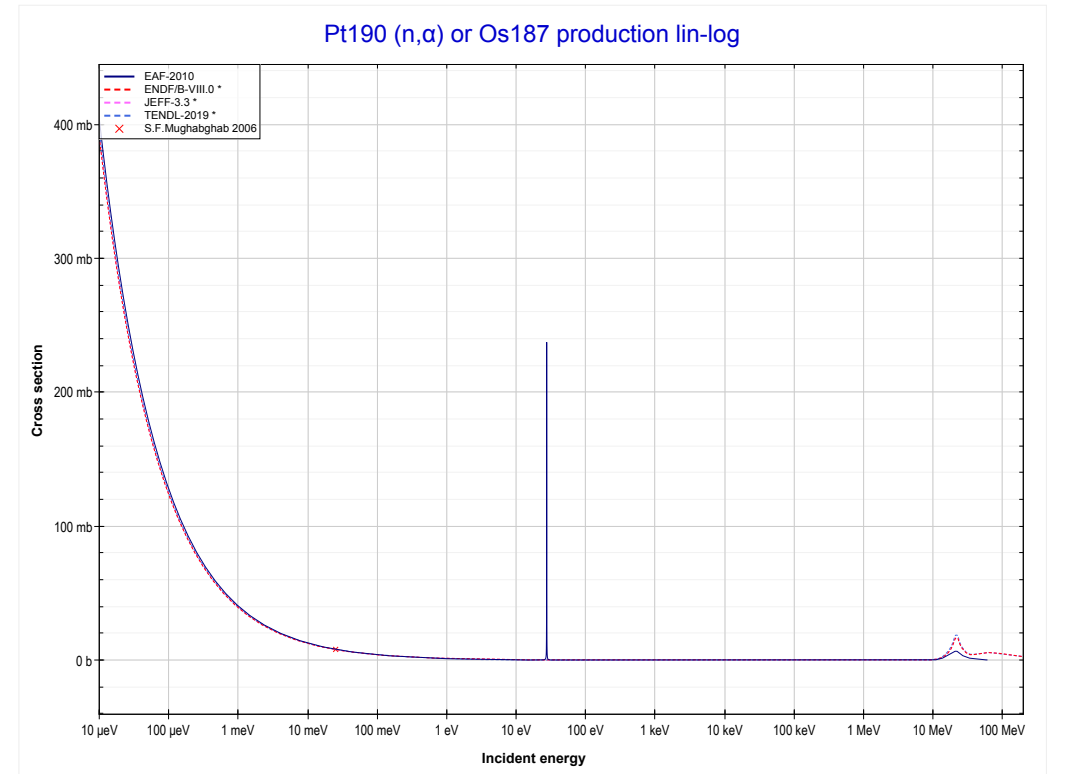
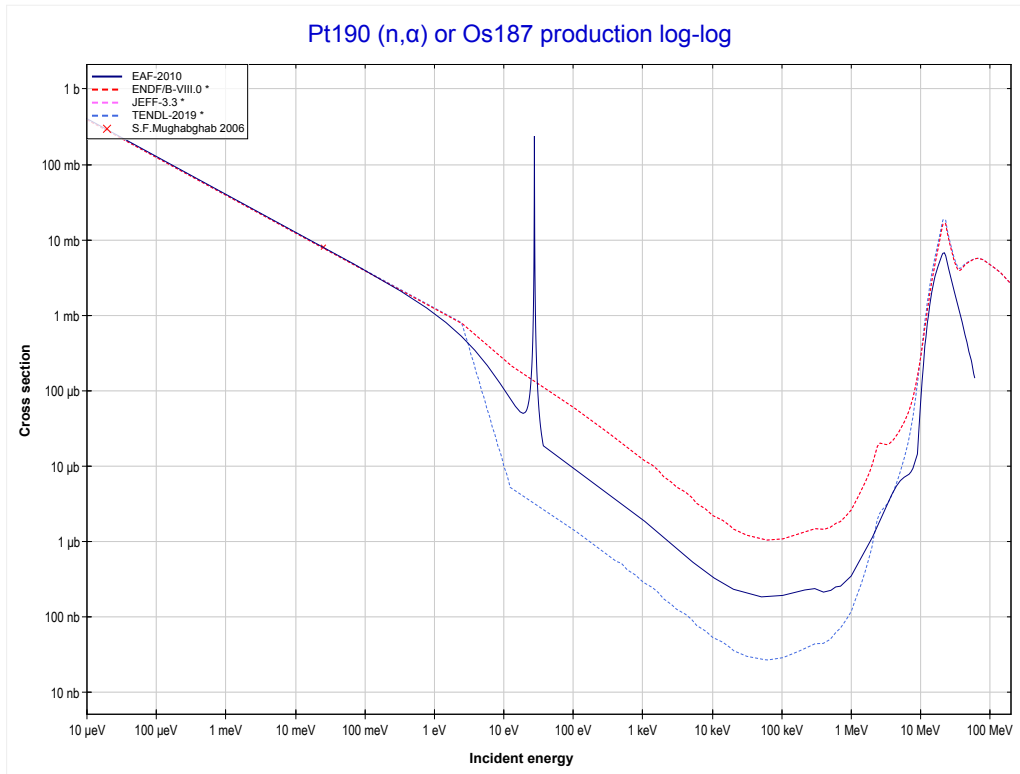
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00189176 b | 1.59519 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00202486 b | 1.78807 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00202486 b | 1.78807 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00204173 b | 1.79177 b |

| | | |
|----------------|--|-------------------------|
| << 77-Ir-194 | 78-Pt-190 | 78-Pt-192 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Pt191 production) | MT107 (n, α) >> |



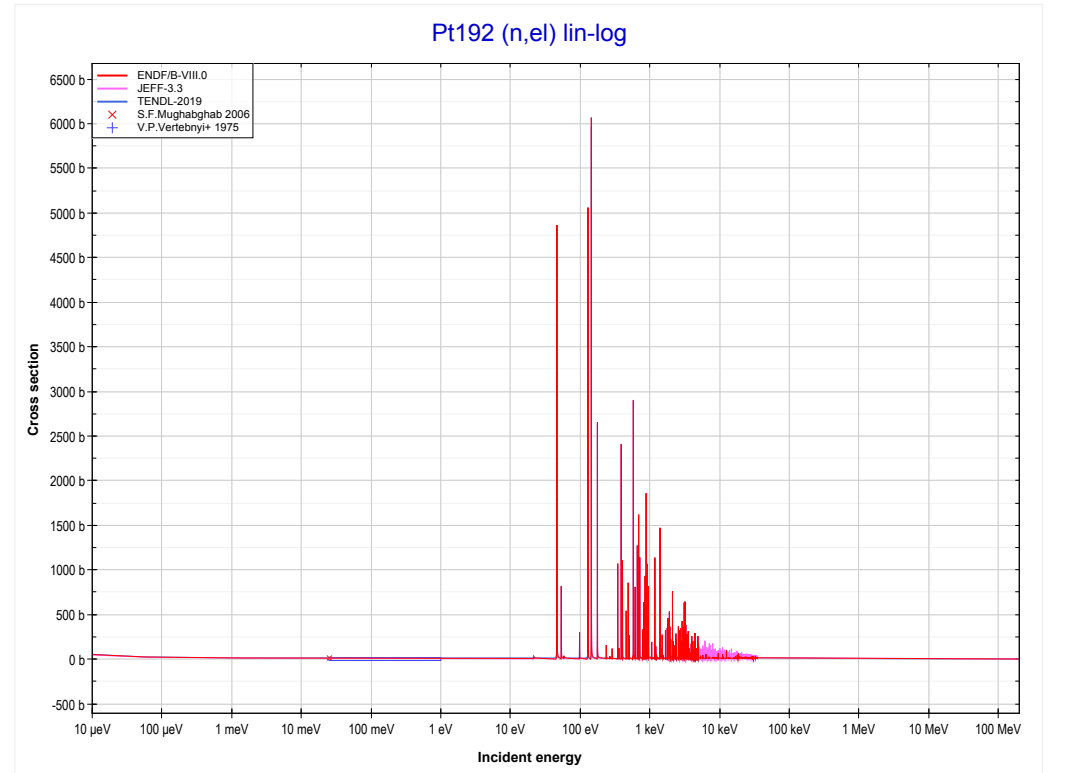
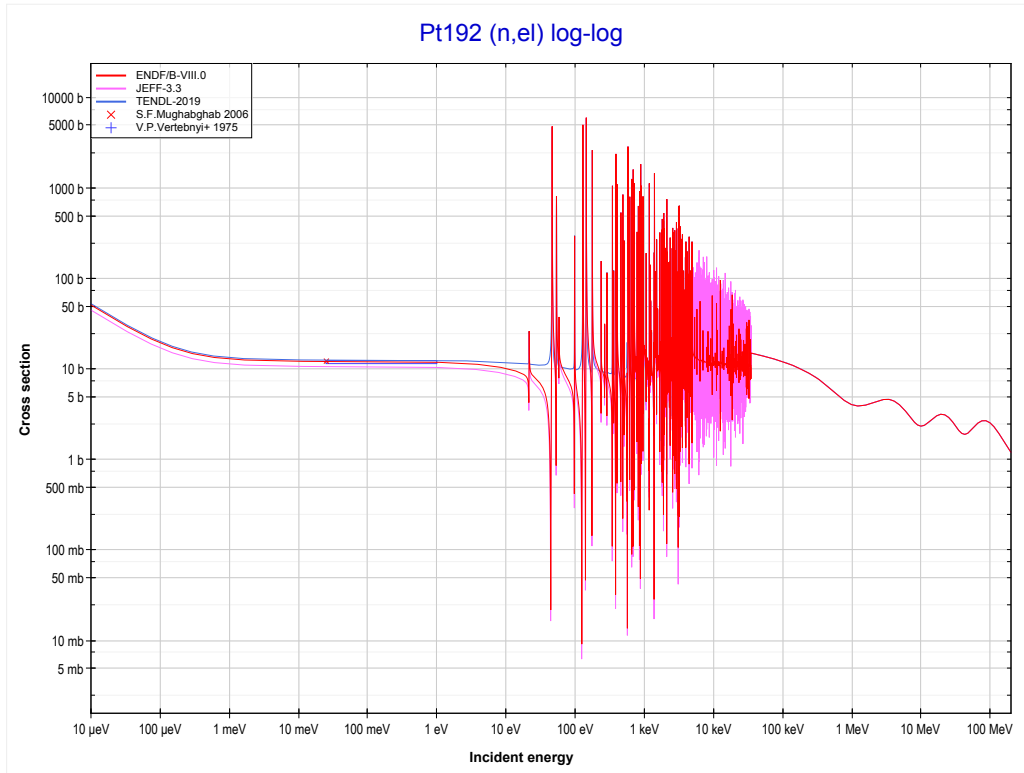
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 152.27 b | 152.155 b | 151.77 b | 0.99748 | 157.403 b | 0.168498 b | 0.00128 b |
| ENDF/B-VIII.0 | 153.18 b | 153.18 b | 151.1 b | 0.98644 | 111.877 b | 0.363338 b | 0.00178902 b |
| JEFF-3.3 | 153.18 b | 153.18 b | 151.1 b | 0.98644 | 111.877 b | 0.363338 b | 0.00178902 b |
| TENDL-2019 | 151.262 b | 151.262 b | 149.8 b | 0.99031 | 151.077 b | 0.364223 b | 0.00178435 b |

| | | |
|-------------------------|--|------------------------------|
| << 77-Ir-193 | 78-Pt-190 | 78-Pt-192 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Os187 production) | 78-Pt-192 MT2 (n,elastic) >> |



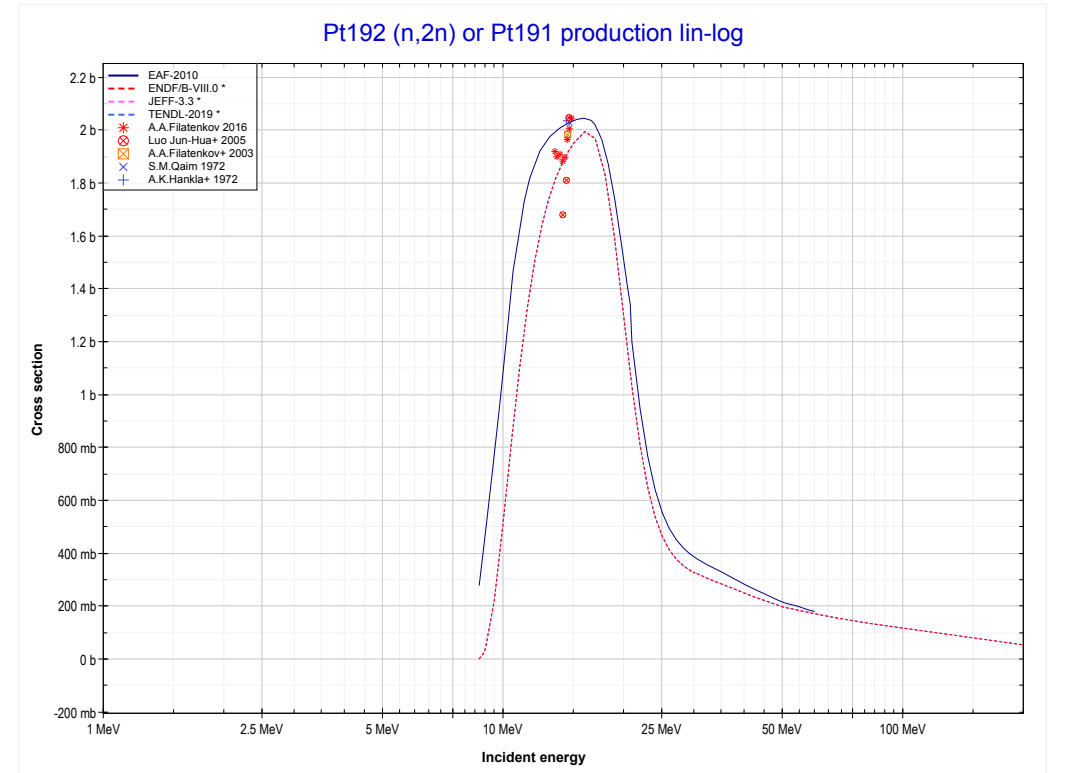
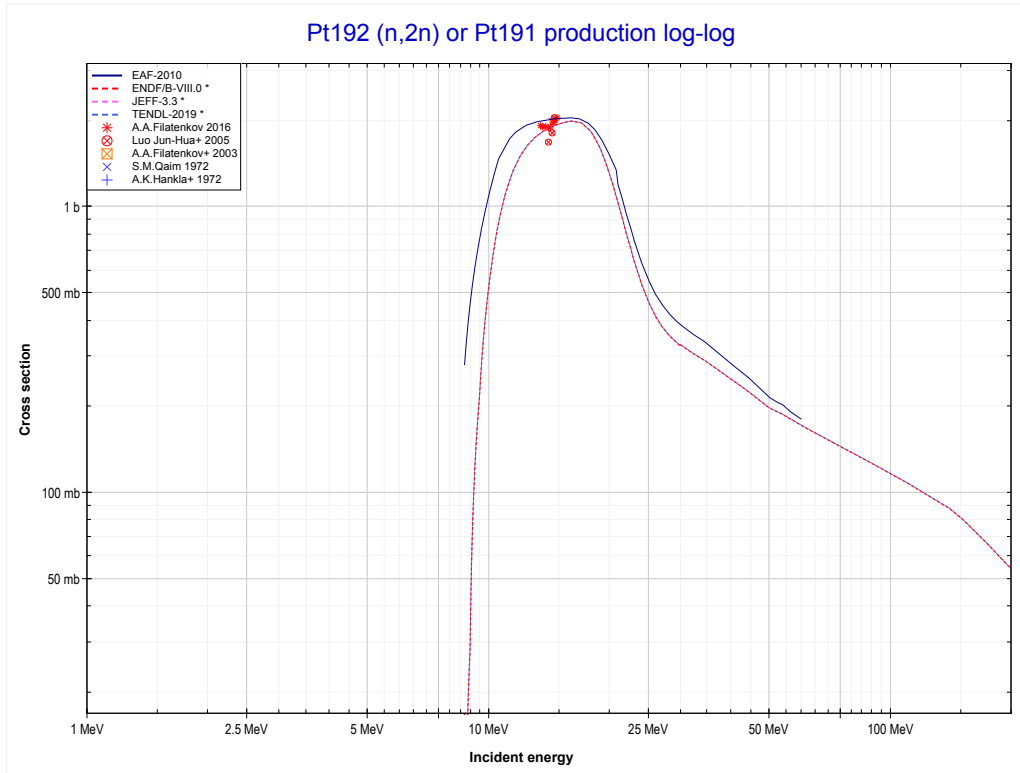
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.008 b | 0.00799394 b | 0.0079739 b | 0.99748 | 0.00379635 b | 2.68164E-6 b | 0.00163541 b |
| ENDF/B-VIII.0 | 0.00776838 b | 0.00776838 b | 0.0077707 b | 1.0003 | 0.00299117 b | 1.34702E-5 b | 0.00226452 b |
| JEFF-3.3 | 0.00776838 b | 0.00776838 b | 0.0077707 b | 1.0003 | 0.00299117 b | 1.34702E-5 b | 0.00226452 b |
| TENDL-2019 | 0.00789064 b | 0.00789064 b | 0.0078889 b | 0.99978 | 0.00221904 b | 4.73345E-6 b | 0.00289419 b |

| | | |
|-----------------------------------|------------------------|----------------|
| << 78-Pt-190 | 78-Pt-192 | 78-Pt-194 >> |
| << 78-Pt-190 MT107 (n, α) | MT2 (n,elastic) | MT16 (n,2n) >> |



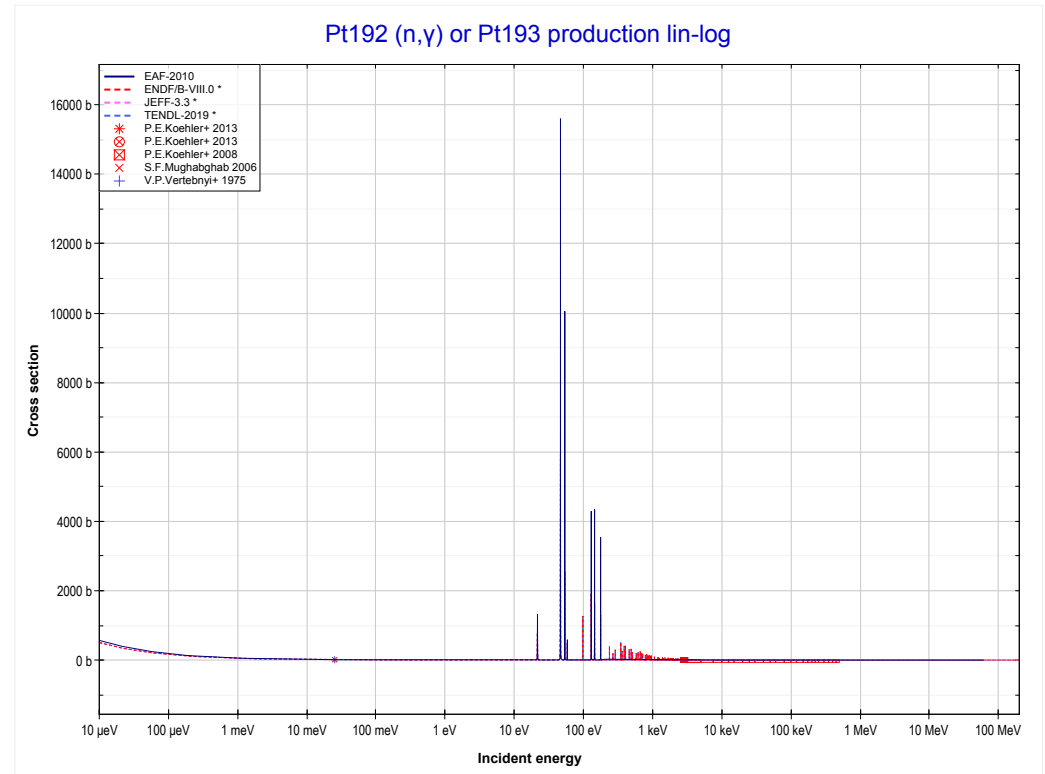
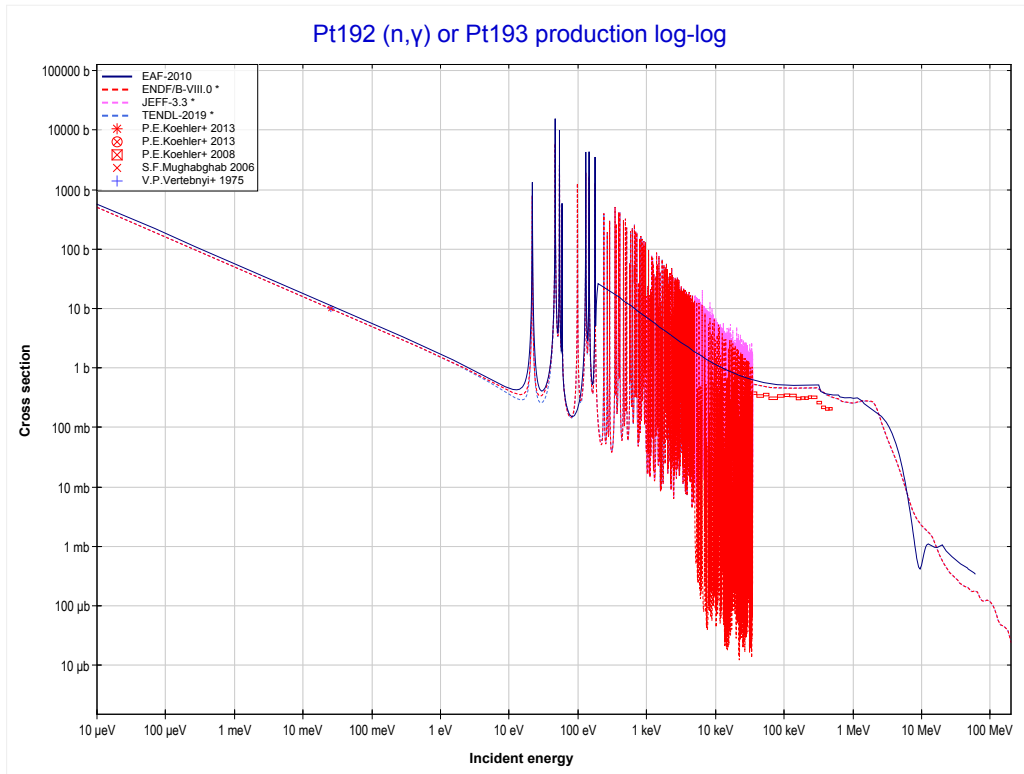
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.1899 b | 12.1899 b | 13.748 b | 1.12784 | 322.509 b | 4.90409 b | 2.72528 b |
| JEFF-3.3 | 10.7055 b | 10.7055 b | 12.074 b | 1.12781 | 315.076 b | 4.91279 b | 2.72528 b |
| TENDL-2019 | 12.6254 b | 12.6254 b | 14.244 b | 1.12824 | 340.027 b | 4.921 b | 2.72528 b |

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|--------------------|--|-------------------------|
| << 78-Pt-190 | 78-Pt-192 | 78-Pt-198 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Pt191 production) | MT102 (n, γ) >> |



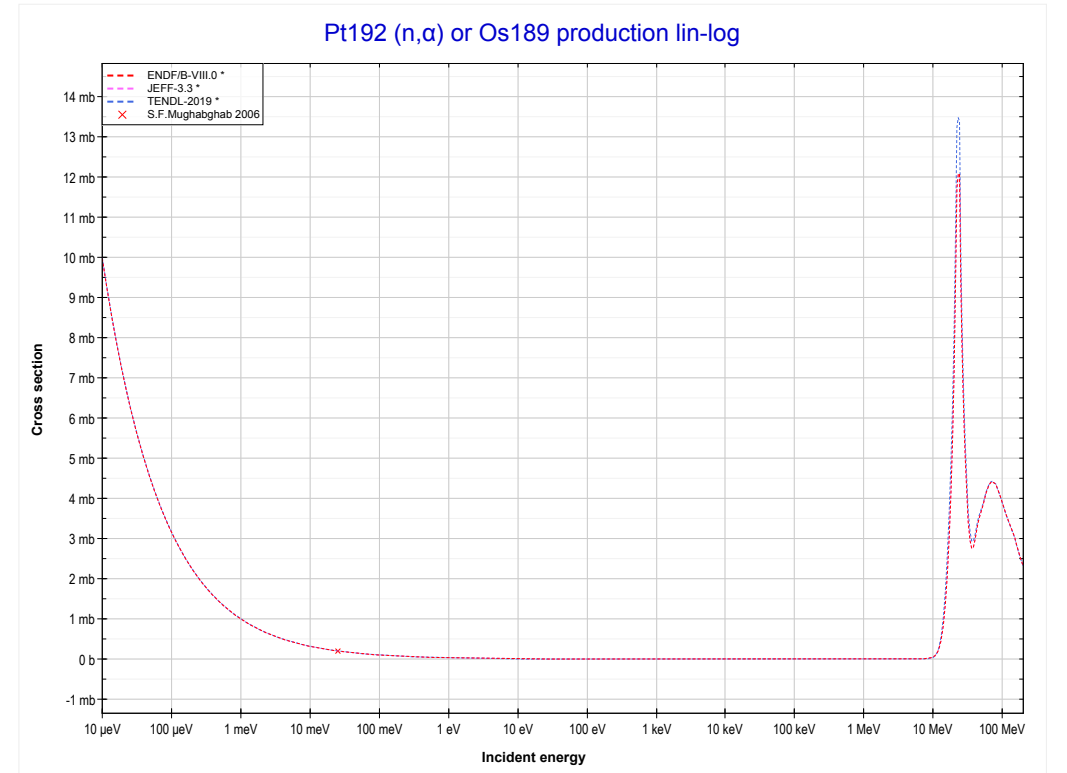
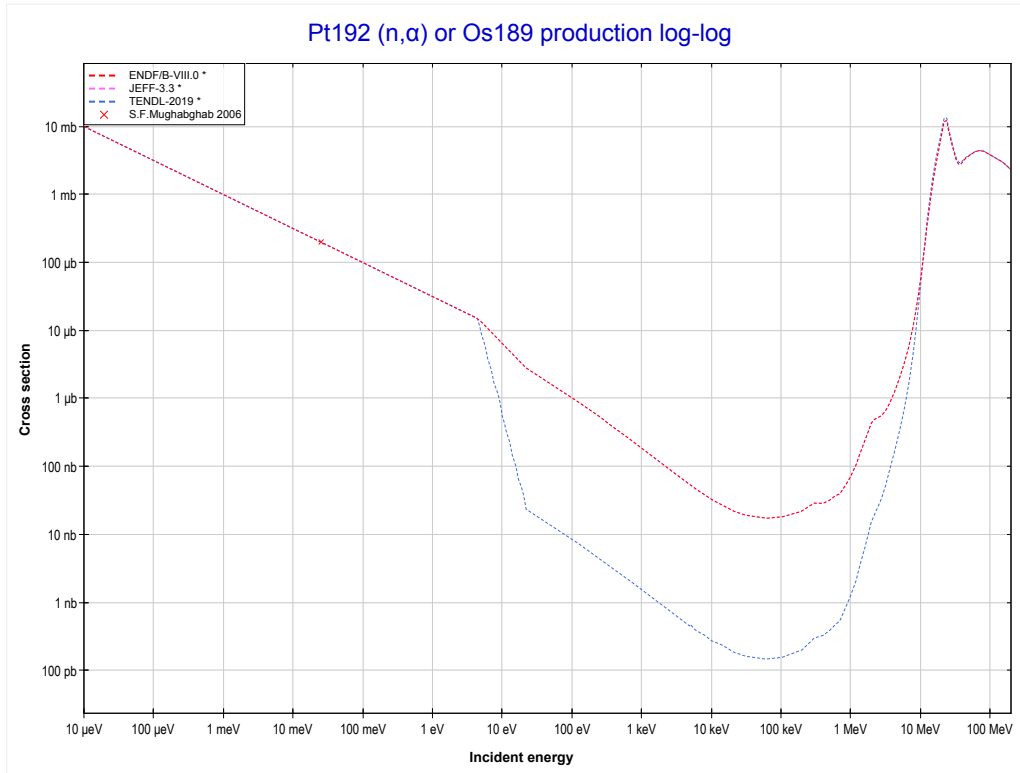
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00452417 b | 2.01172 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271044 b | 1.86934 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00271044 b | 1.86934 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00272274 b | 1.87111 b |

| | | |
|----------------|--|-------------------------|
| << 78-Pt-190 | 78-Pt-192 | 78-Pt-194 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Pt193 production) | MT107 (n, α) >> |



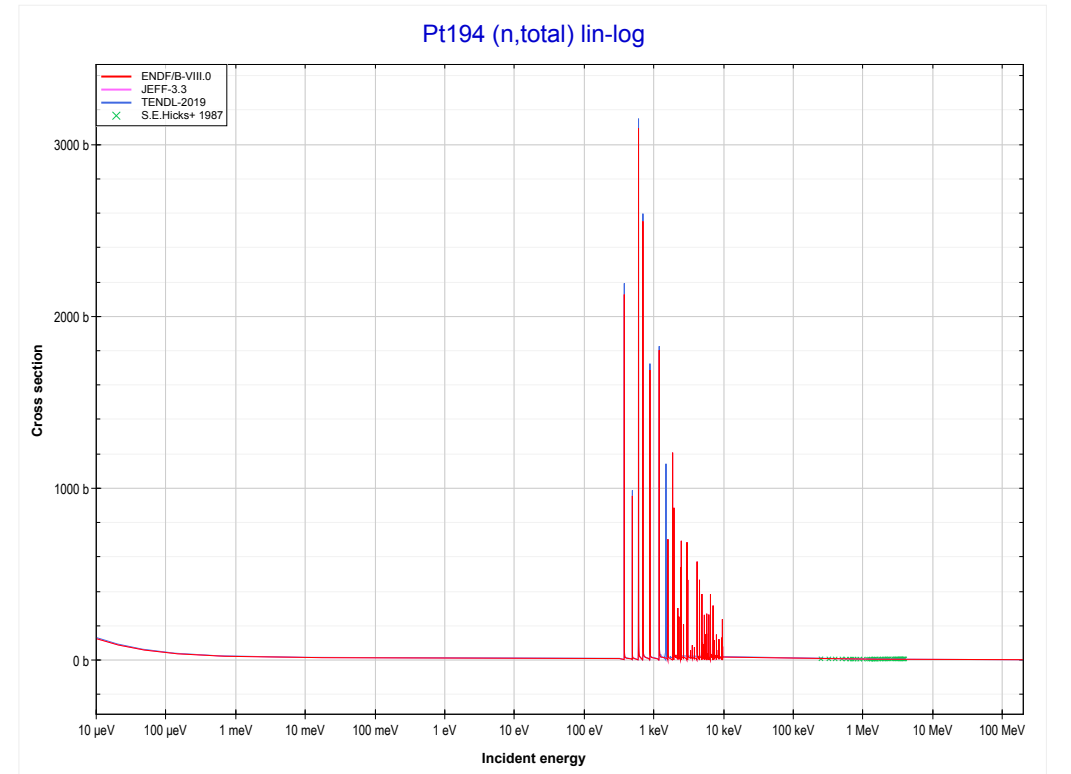
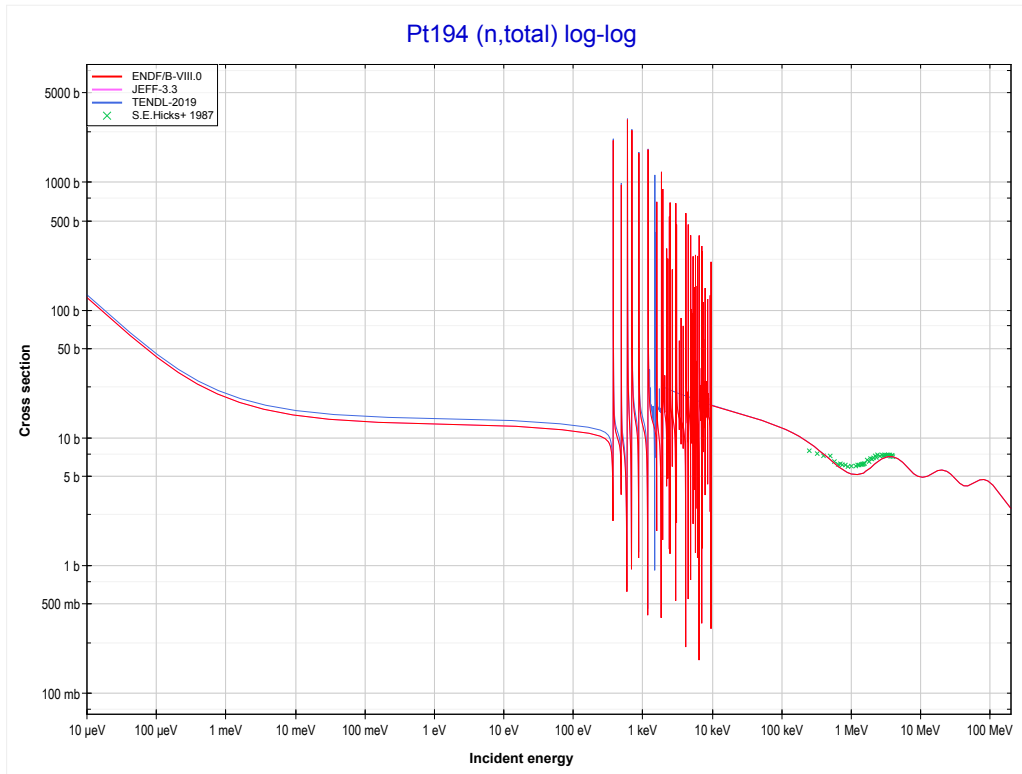
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.285 b | 11.2768 b | 11.297 b | 1.00181 | 161.83 b | 0.238759 b | 0.001026 b |
| ENDF/B-VIII.0 | 10.0024 b | 10.0024 b | 10.002 b | 0.99995 | 133.268 b | 0.222245 b | 0.00150923 b |
| JEFF-3.3 | 10.0106 b | 10.0106 b | 10.01 b | 0.99995 | 134.803 b | 0.223887 b | 0.00150923 b |
| TENDL-2019 | 10.044 b | 10.044 b | 10.039 b | 0.99949 | 132.097 b | 0.221525 b | 0.00150357 b |

| | | |
|-------------------------|--|----------------------------|
| << 78-Pt-190 | 78-Pt-192 | 78-Pt-194 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Os189 production) | 78-Pt-194 MT1 (n,total) >> |



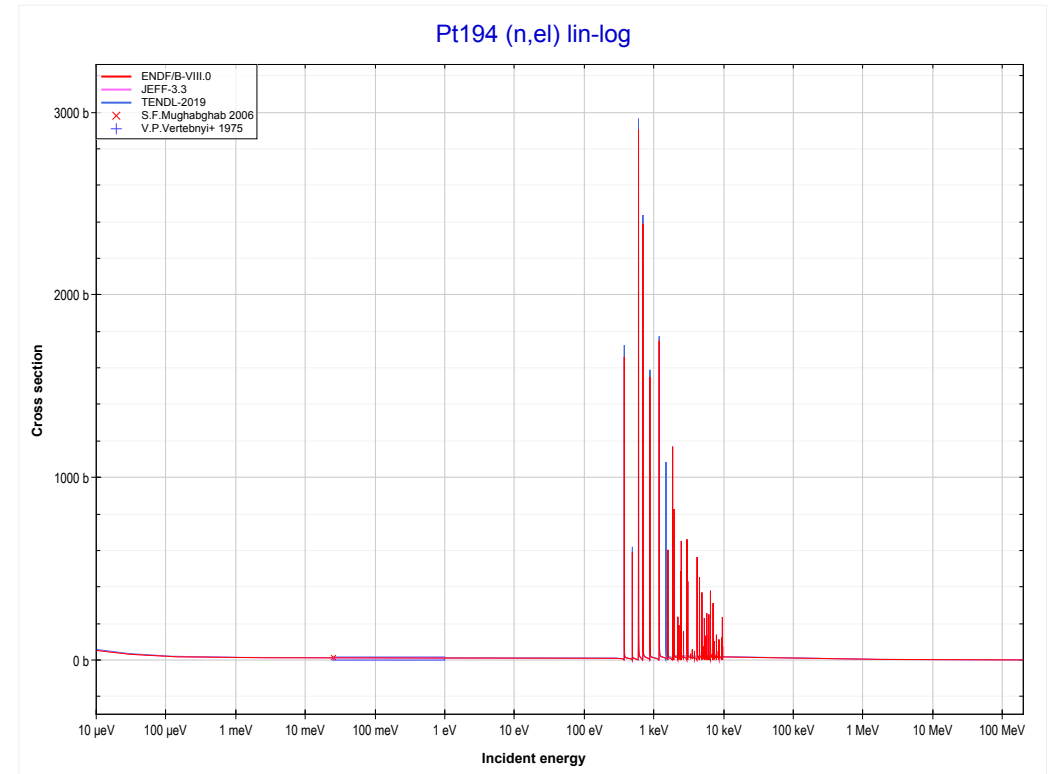
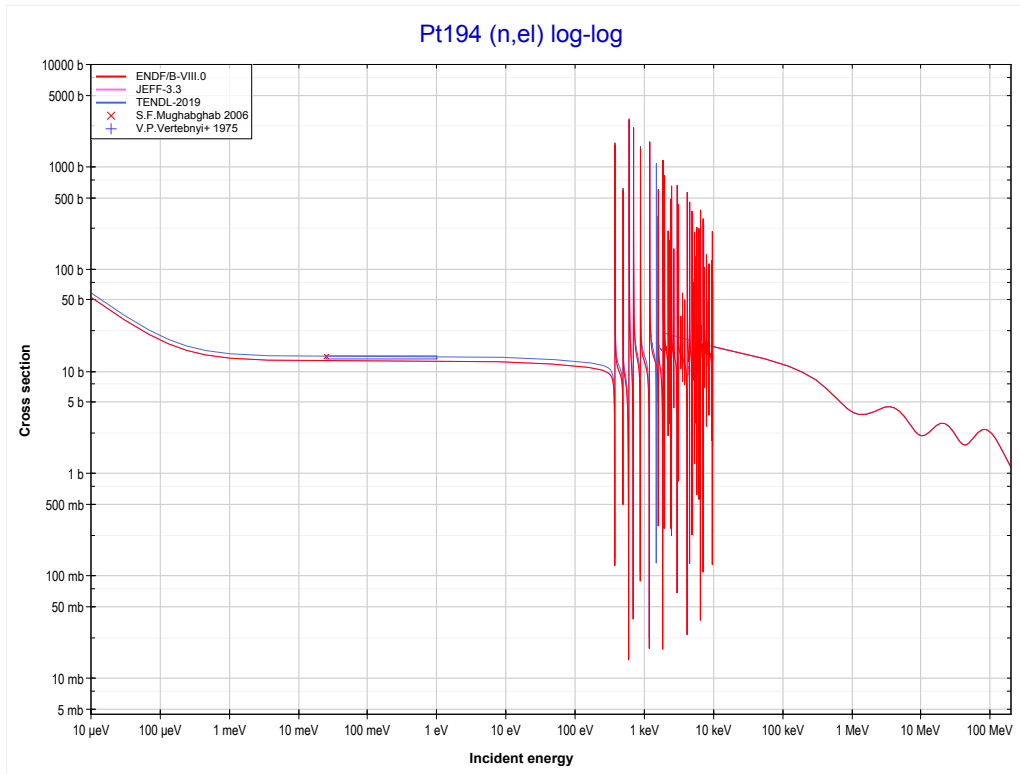
| Reaction | Q-Value |
|--------------------------|---------------|
| Pt192(n, α)Os189 | 8344.60 keV |
| Pt192(n,p+t)Os189 | -11469.26 keV |
| Pt192(n,n+He3)Os189 | -12233.02 keV |
| Pt192(n,2d)Os189 | -15501.93 keV |
| Pt192(n,n+p+d)Os189 | -17726.49 keV |
| Pt192(n,2n+2p)Os189 | -19951.06 keV |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 77-Ir-193 | 78-Pt-194 | 79-Au-197 >> |
| << 78-Pt-192 MT107 (n, α) | MT1 (n,total) | MT2 (n,elastic) >> |



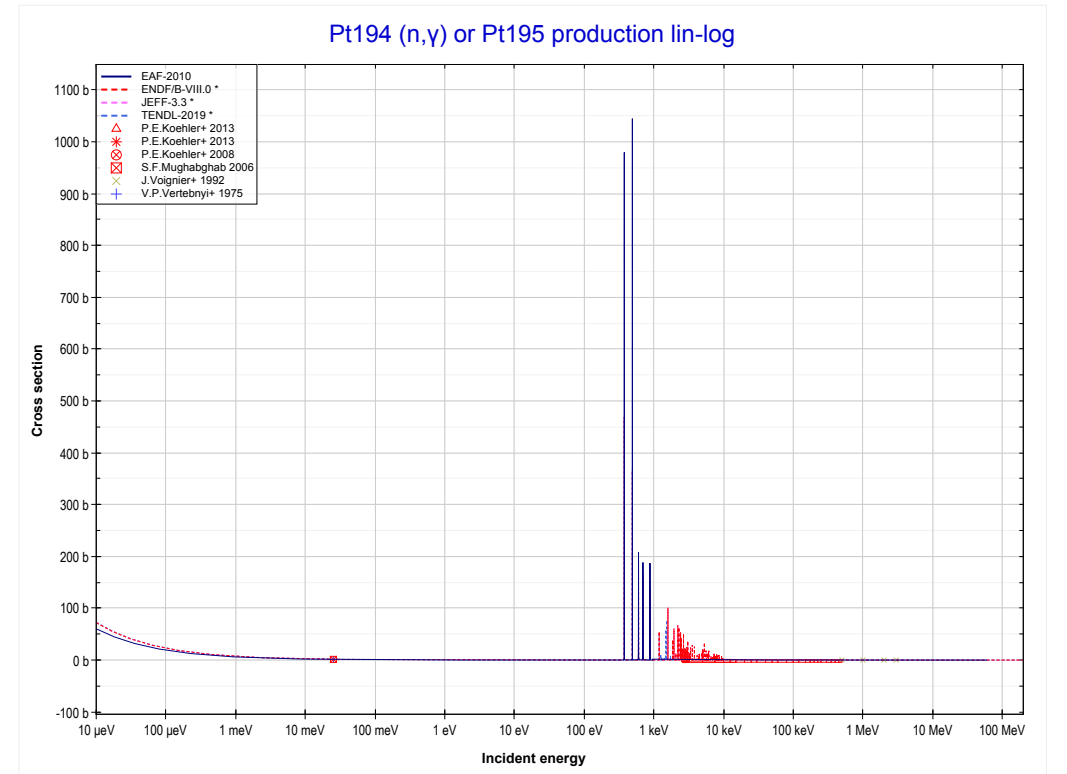
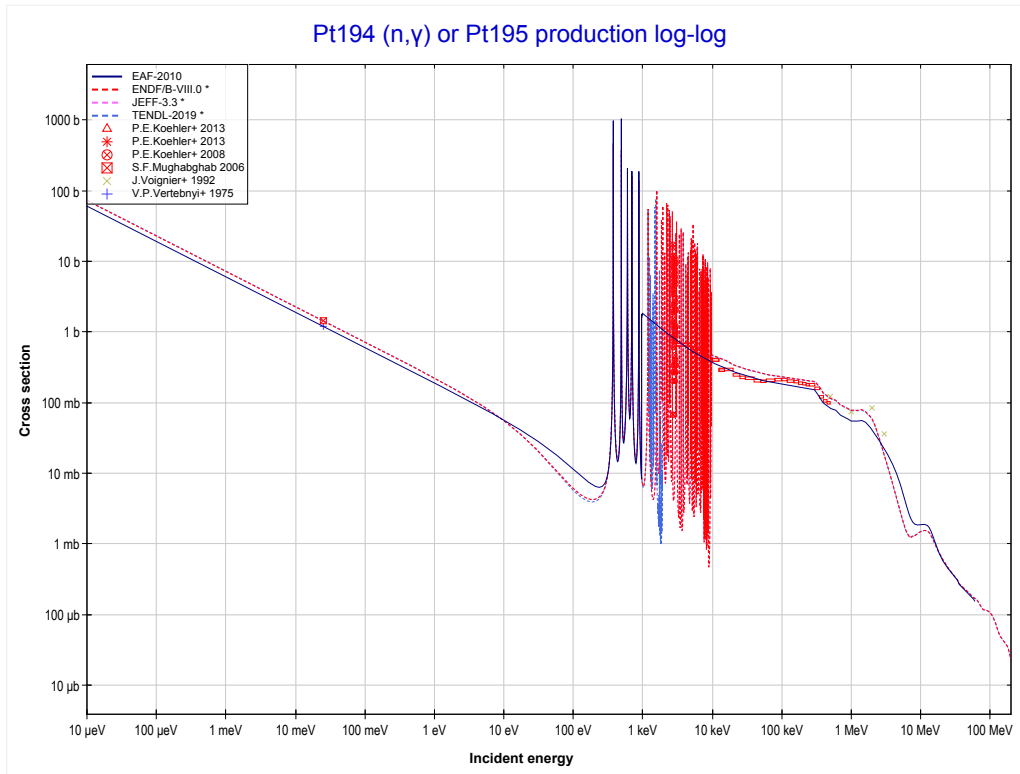
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.1132 b | 14.1132 b | 15.74 b | 1.11527 | 211.662 b | 6.47311 b | 5.16447 b |
| JEFF-3.3 | 14.1132 b | 14.1132 b | 15.74 b | 1.11527 | 211.662 b | 6.47311 b | 5.16447 b |
| TENDL-2019 | 15.4617 b | 15.4617 b | 17.26 b | 1.11629 | 222.524 b | 6.47312 b | 5.16448 b |

| | | |
|------------------|------------------------|-------------------------|
| << 78-Pt-192 | 78-Pt-194 | 78-Pt-195 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT102 (n, γ) >> |



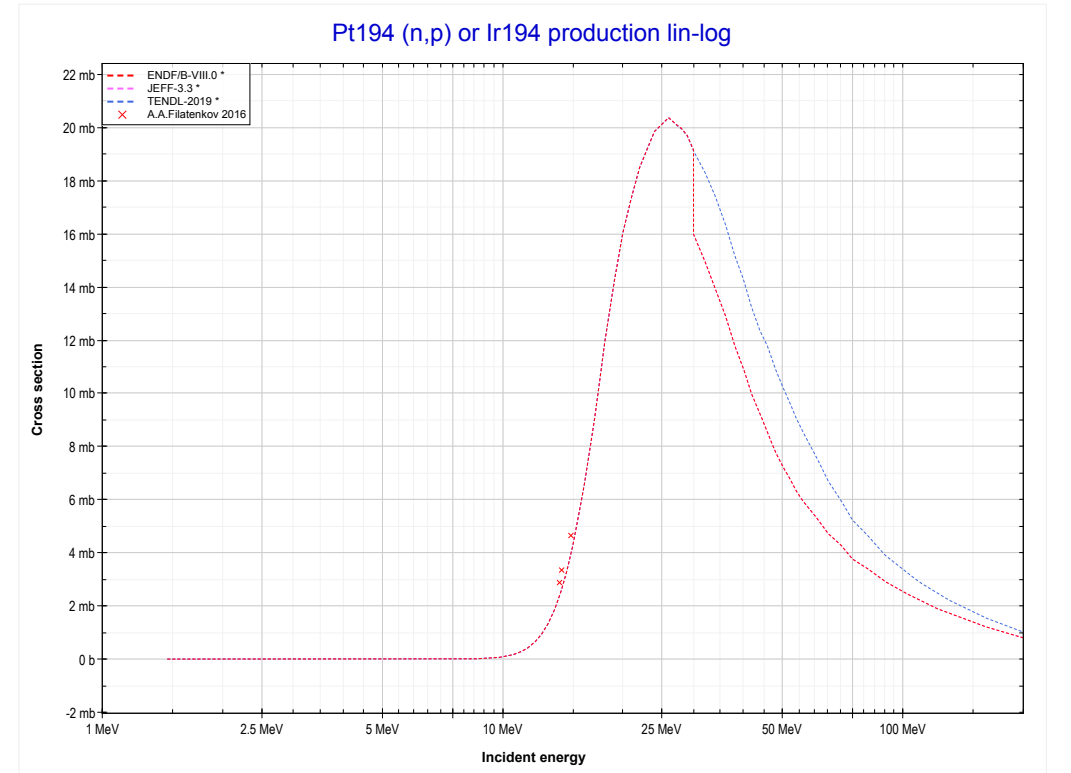
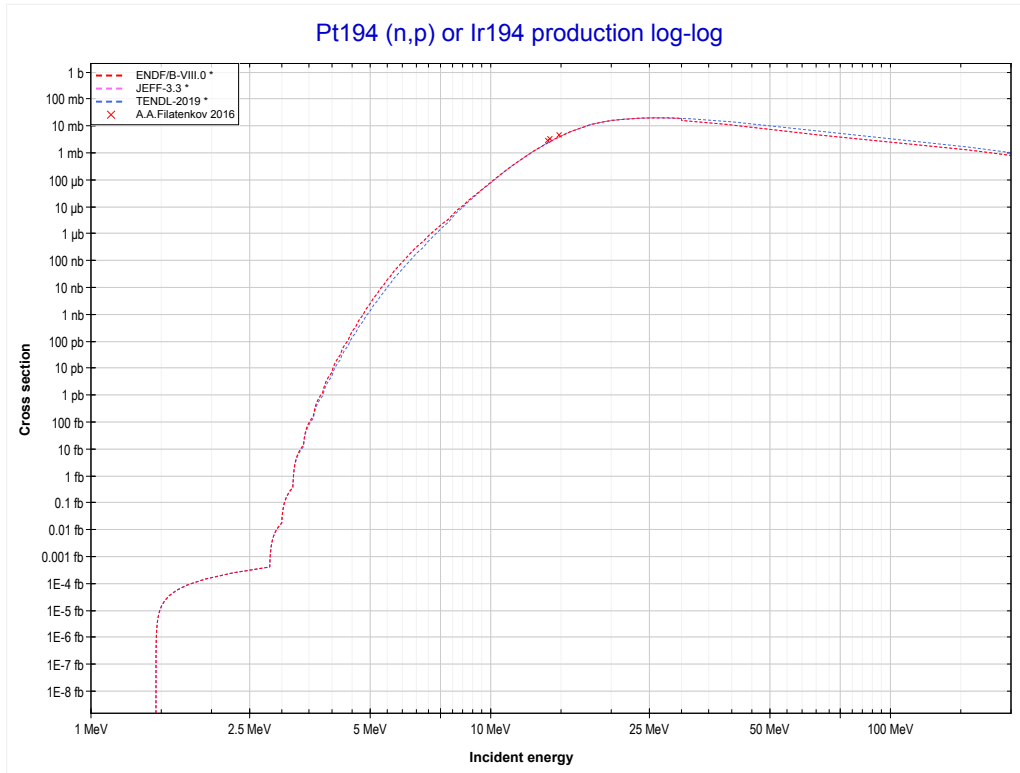
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.6785 b | 12.6785 b | 14.305 b | 1.12831 | 205.2 b | 4.82969 b | 2.64769 b |
| JEFF-3.3 | 12.6785 b | 12.6785 b | 14.305 b | 1.12831 | 205.2 b | 4.82969 b | 2.64769 b |
| TENDL-2019 | 14.0093 b | 14.0093 b | 15.808 b | 1.12838 | 215.561 b | 4.83066 b | 2.64769 b |

| | | |
|--------------------|--|----------------|
| << 78-Pt-192 | 78-Pt-194 | 78-Pt-195 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Pt195 production) | MT103 (n,p) >> |



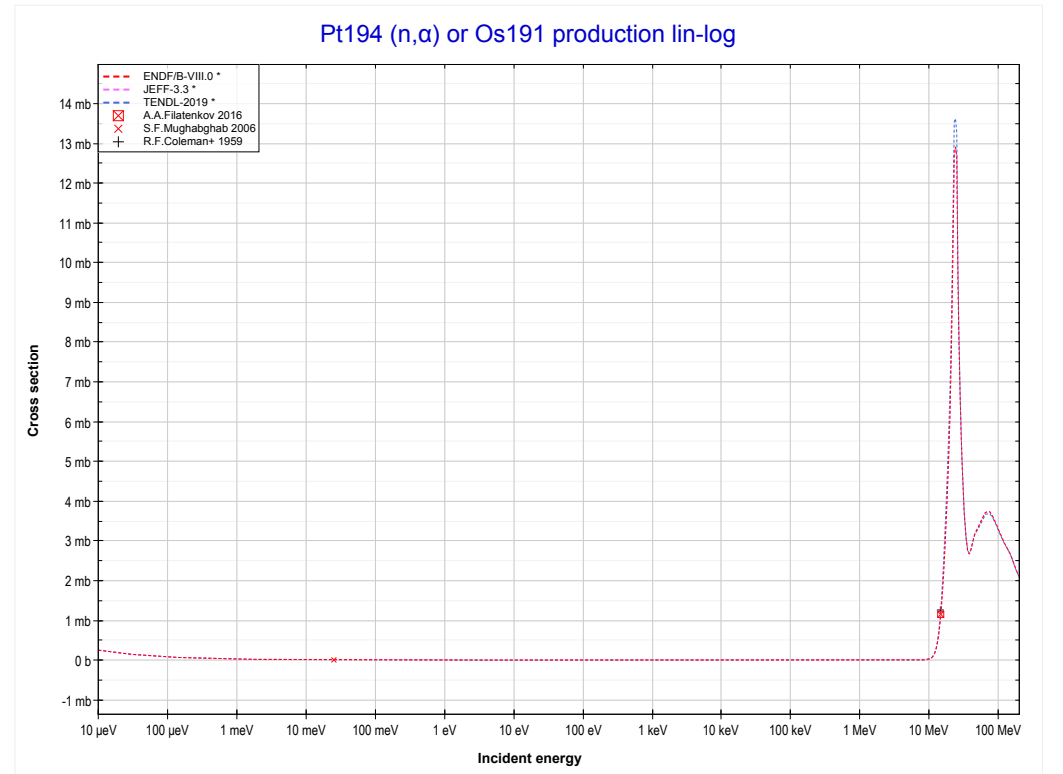
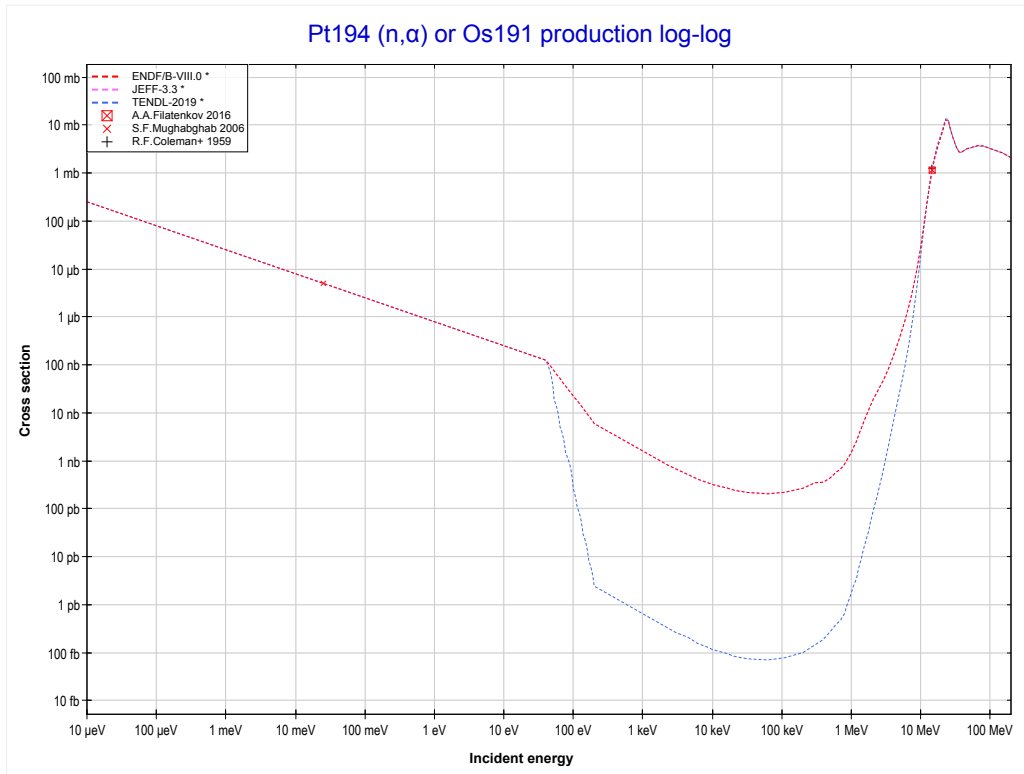
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.2 b | 1.19918 b | 1.2012 b | 1.00177 | 6.31331 b | 0.0542315 b | 0.00154899 b |
| ENDF/B-VIII.0 | 1.43463 b | 1.43463 b | 1.4347 b | 1.00003 | 6.46174 b | 0.071539 b | 0.00133963 b |
| JEFF-3.3 | 1.43463 b | 1.43463 b | 1.4347 b | 1.00003 | 6.46174 b | 0.071539 b | 0.00133963 b |
| TENDL-2019 | 1.45241 b | 1.45241 b | 1.4519 b | 0.99967 | 6.9562 b | 0.0707269 b | 0.0013386 b |

| | | |
|-------------------------|--|-------------------------|
| << 77-Ir-193 | 78-Pt-194 | 78-Pt-195 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ir194 production) | MT107 (n, α) >> |



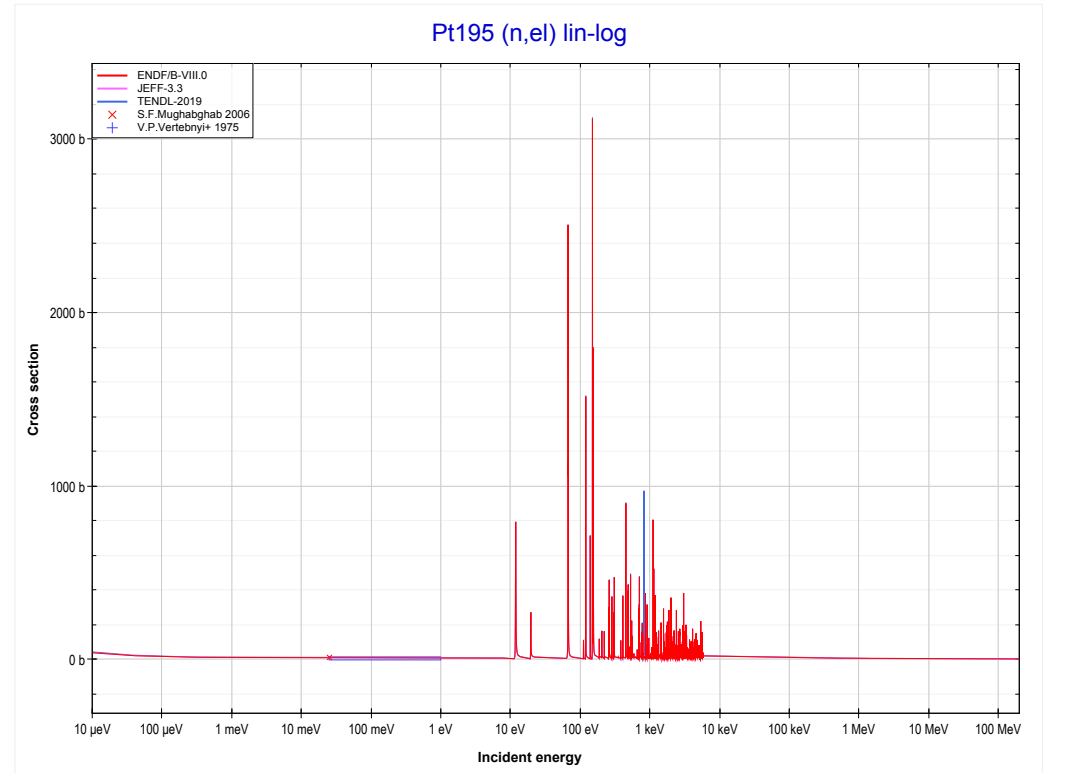
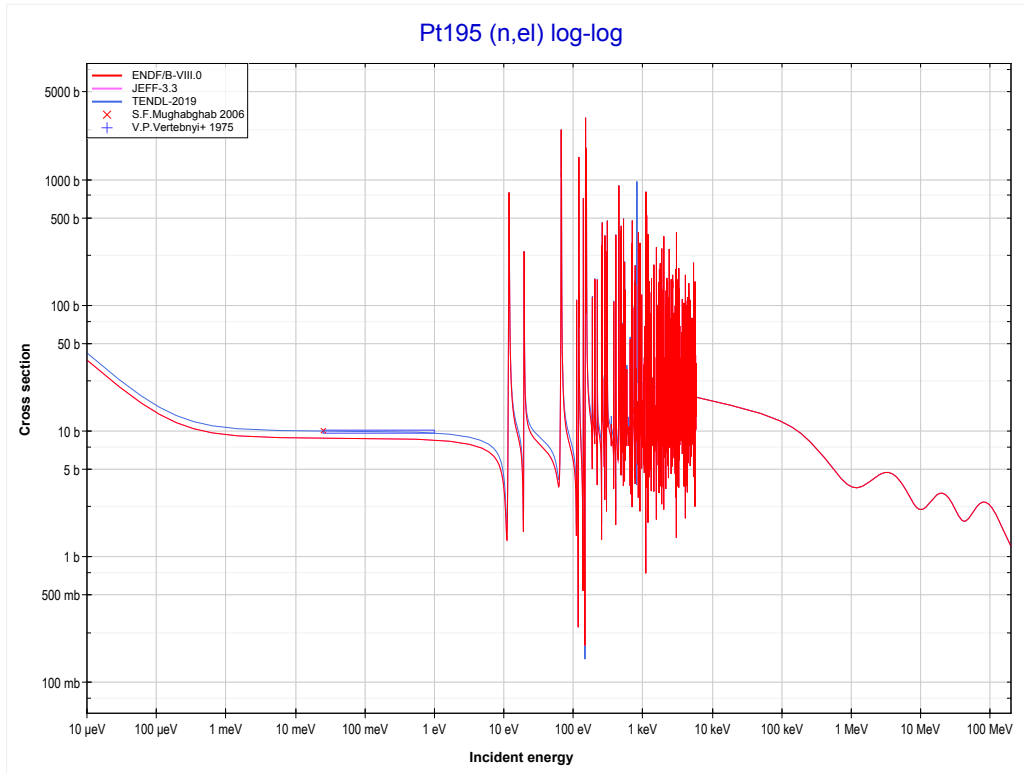
| Reaction | Q-Value |
|-----------------|--------------|
| Pt194(n,p)Ir194 | -1446.05 keV |

| | | |
|----------------|--|------------------------------|
| << 78-Pt-192 | 78-Pt-194 | 78-Pt-195 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Os191 production) | 78-Pt-195 MT2 (n,elastic) >> |



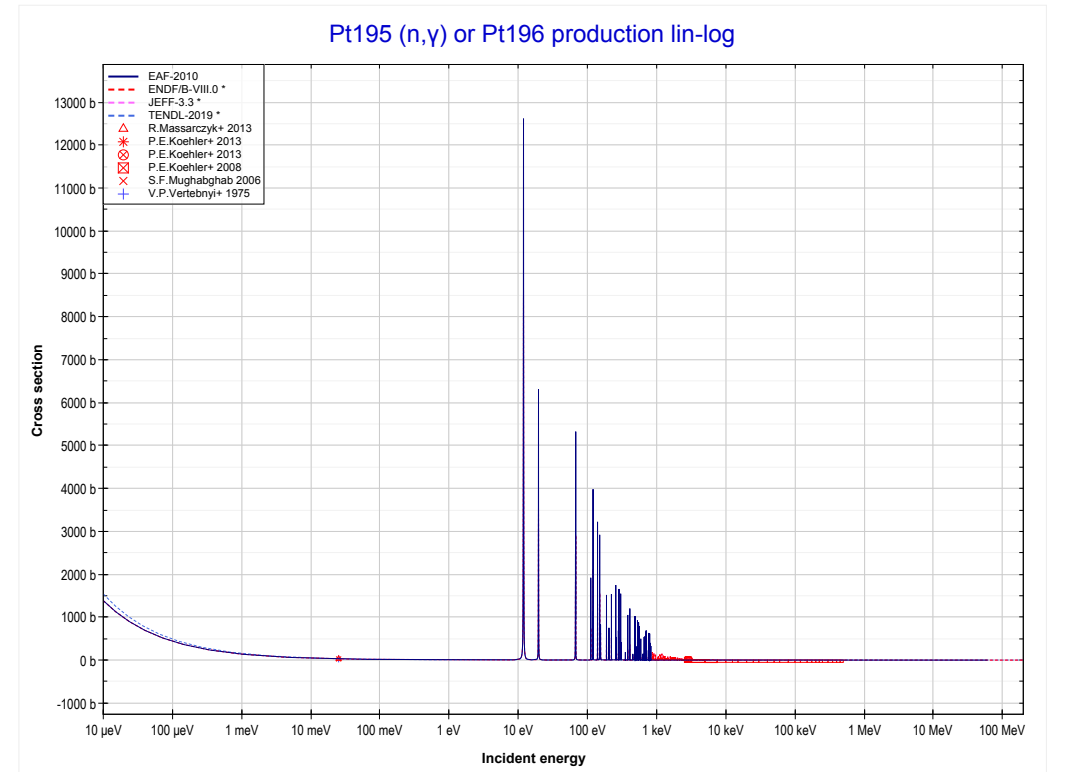
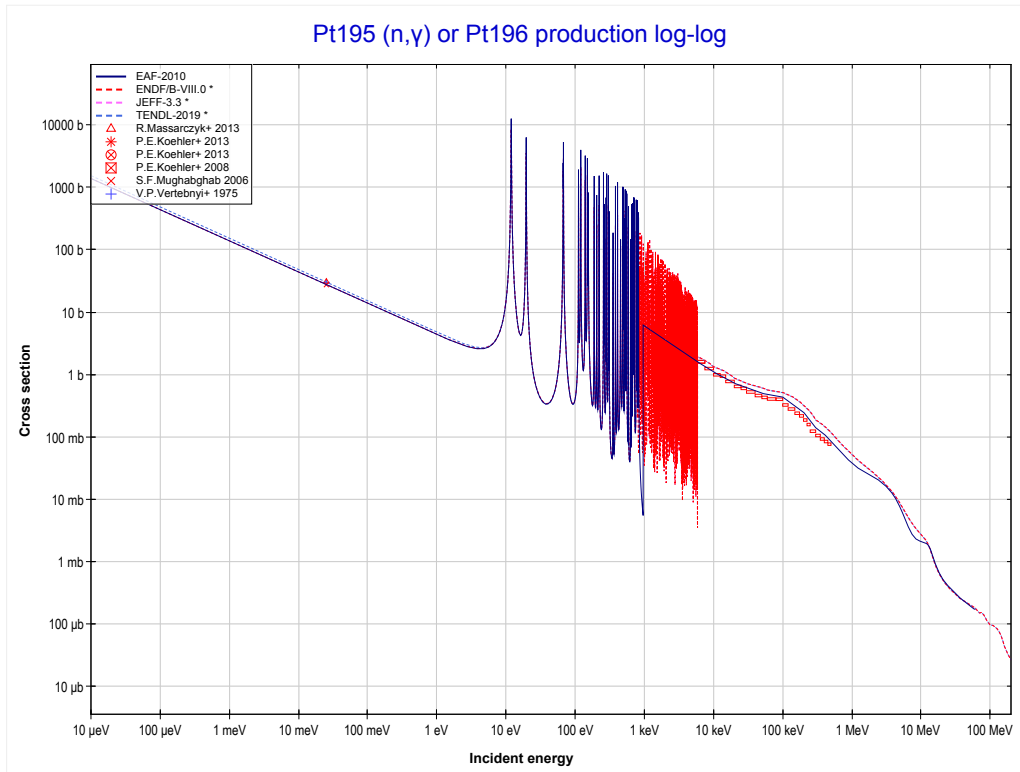
| Reaction | Q-Value |
|--------------------------|---------------|
| Pt194(n, α)Os191 | 7281.50 keV |
| Pt194(n,p+t)Os191 | -12532.36 keV |
| Pt194(n,n+He3)Os191 | -13296.12 keV |
| Pt194(n,2d)Os191 | -16565.03 keV |
| Pt194(n,n+p+d)Os191 | -18789.59 keV |
| Pt194(n,2n+2p)Os191 | -21014.16 keV |

| | | |
|-----------------------------------|------------------------|-------------------------|
| << 78-Pt-194 | 78-Pt-195 | 78-Pt-196 >> |
| << 78-Pt-194 MT107 (n, α) | MT2 (n,elastic) | MT102 (n, γ) >> |



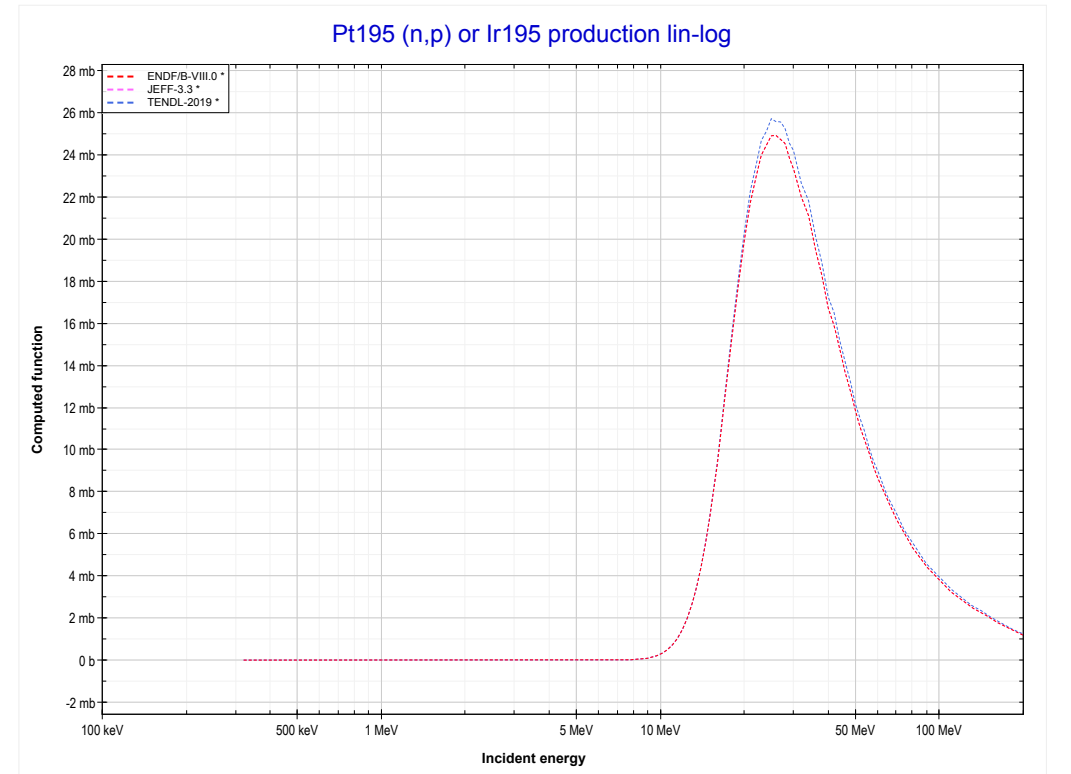
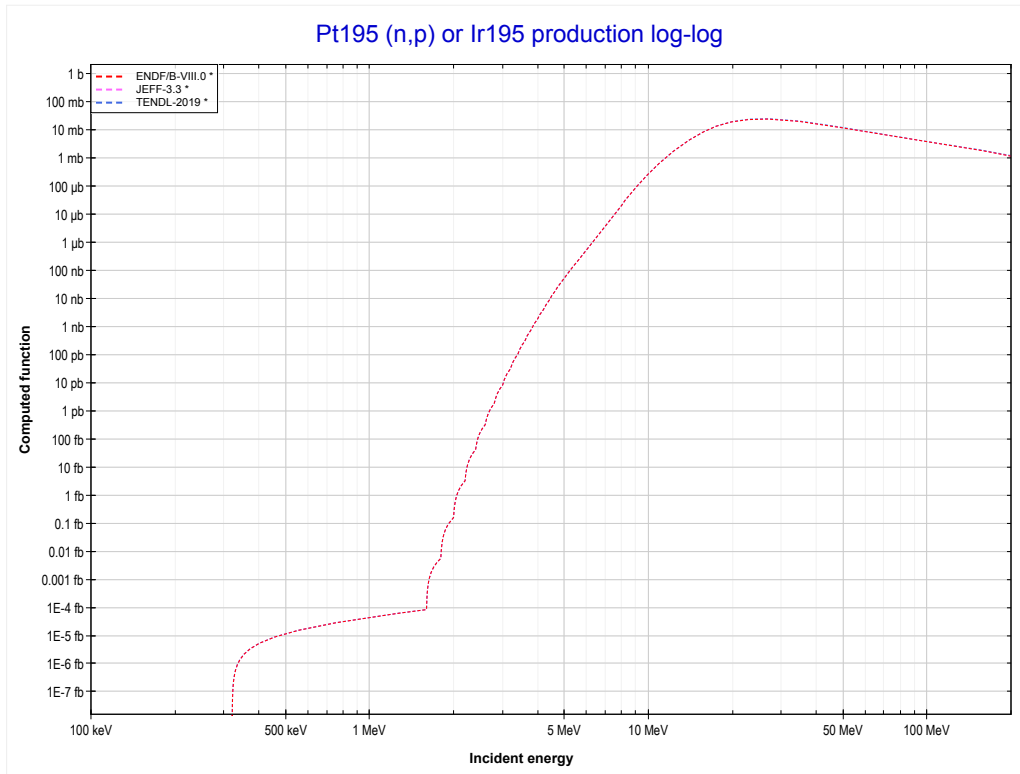
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.80786 b | 8.80786 b | 9.9303 b | 1.12744 | 259.218 b | 4.67334 b | 2.75318 b |
| JEFF-3.3 | 8.80786 b | 8.80786 b | 9.9303 b | 1.12744 | 259.218 b | 4.67334 b | 2.75318 b |
| TENDL-2019 | 10.0314 b | 10.0314 b | 11.31 b | 1.12749 | 274.574 b | 4.67438 b | 2.75318 b |

| | | |
|--------------------|--|----------------|
| << 78-Pt-194 | 78-Pt-195 | 78-Pt-196 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Pt196 production) | MT103 (n,p) >> |



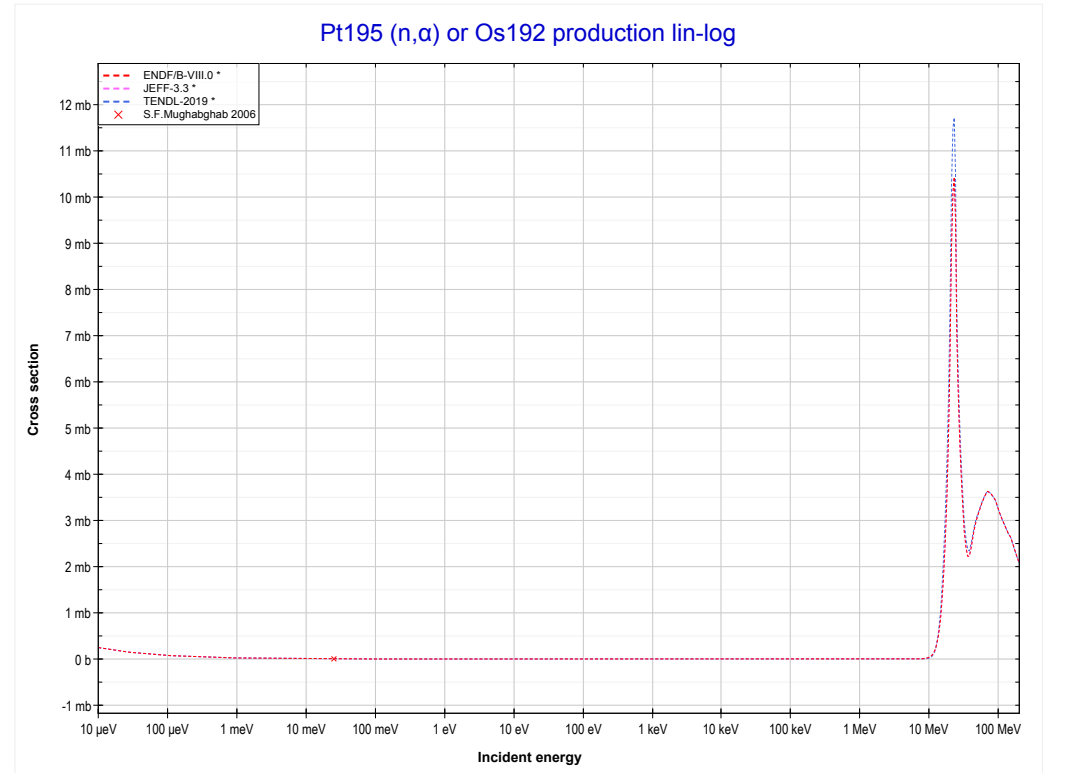
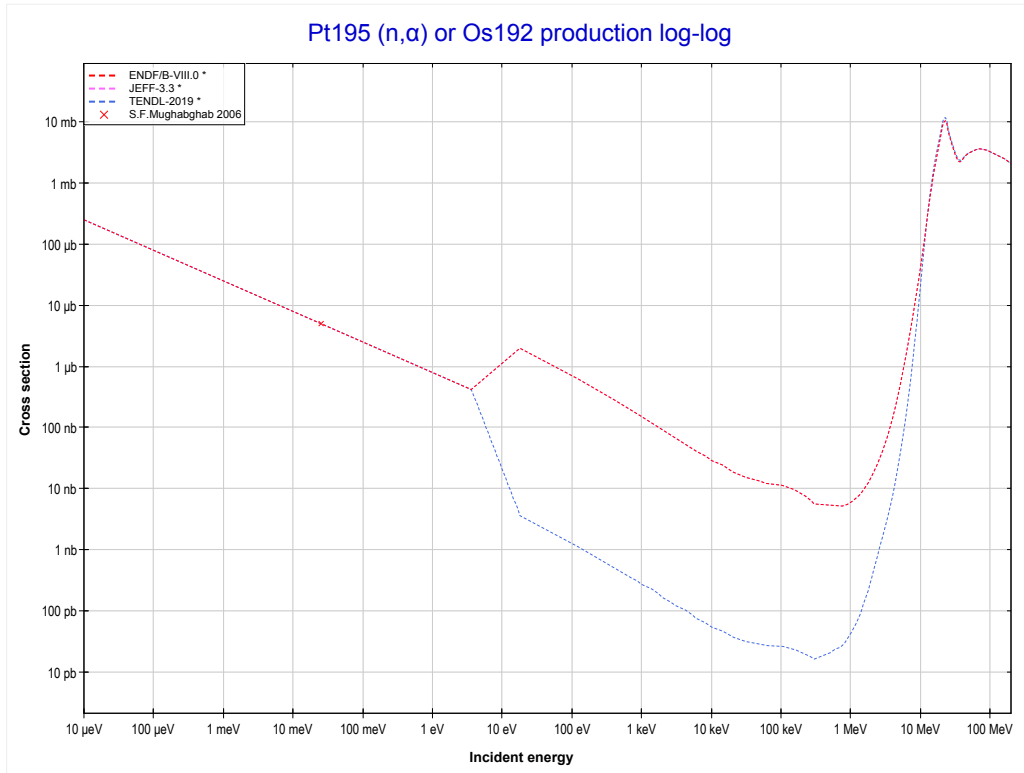
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 27.555 b | 27.5343 b | 27.531 b | 0.99986 | 369.521 b | 0.0532393 b | 0.0014875 b |
| ENDF/B-VIII.0 | 27.5277 b | 27.5277 b | 27.535 b | 1.00027 | 374.085 b | 0.068717 b | 0.00142851 b |
| JEFF-3.3 | 27.5277 b | 27.5277 b | 27.535 b | 1.00027 | 374.085 b | 0.068717 b | 0.00142851 b |
| TENDL-2019 | 30.6263 b | 30.6263 b | 30.617 b | 0.9997 | 376.797 b | 0.0679195 b | 0.00142352 b |

| | | |
|-------------------------|--|-------------------------|
| << 78-Pt-194 | 78-Pt-195 | 78-Pt-196 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ir195 production) | MT107 (n, α) >> |



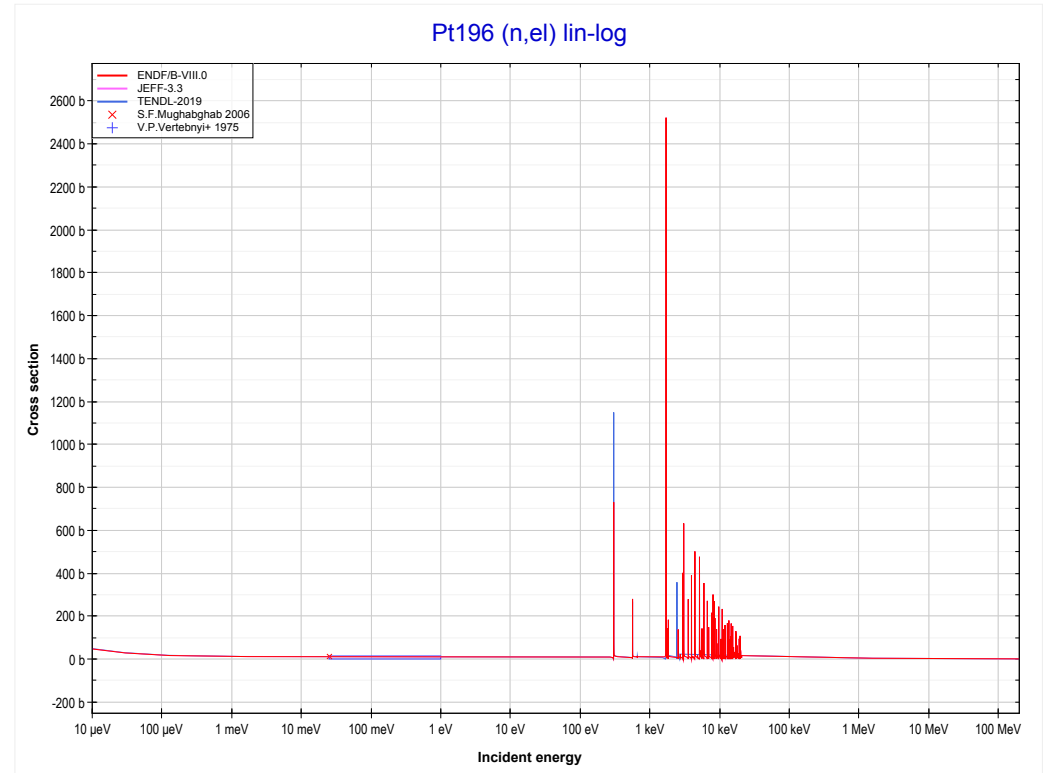
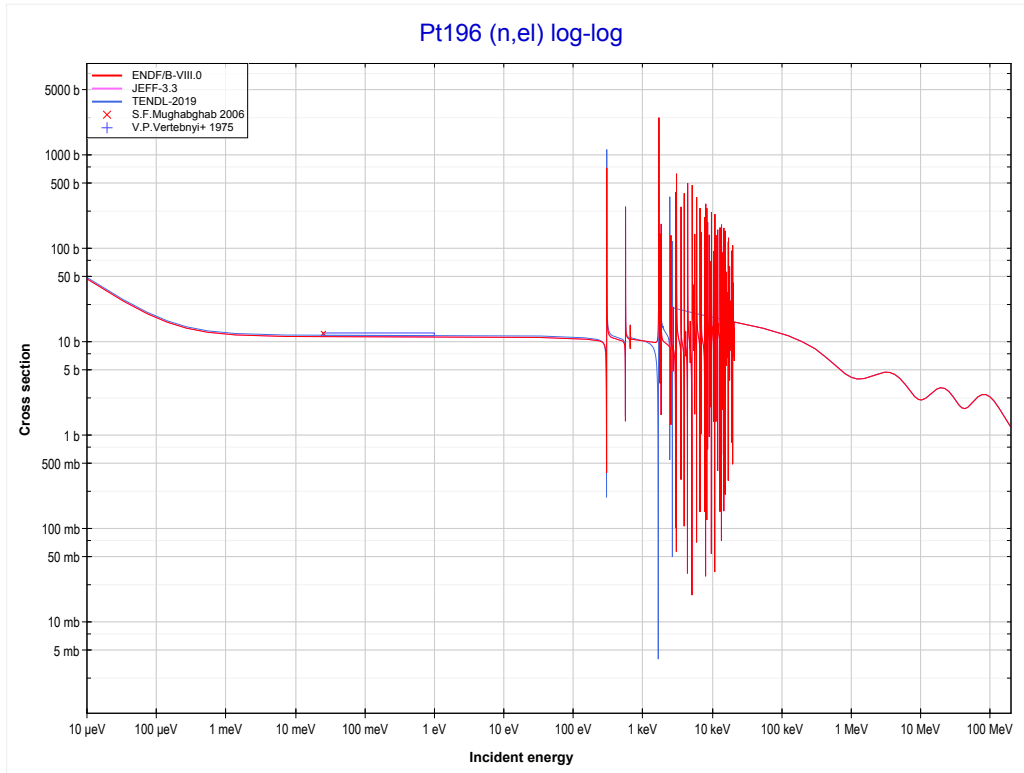
| Reaction | Q-Value |
|-----------------|-------------|
| Pt195(n,p)Ir195 | -319.15 keV |

| | | |
|----------------|--|------------------------------|
| << 78-Pt-194 | 78-Pt-195 | 78-Pt-196 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Os192 production) | 78-Pt-196 MT2 (n,elastic) >> |



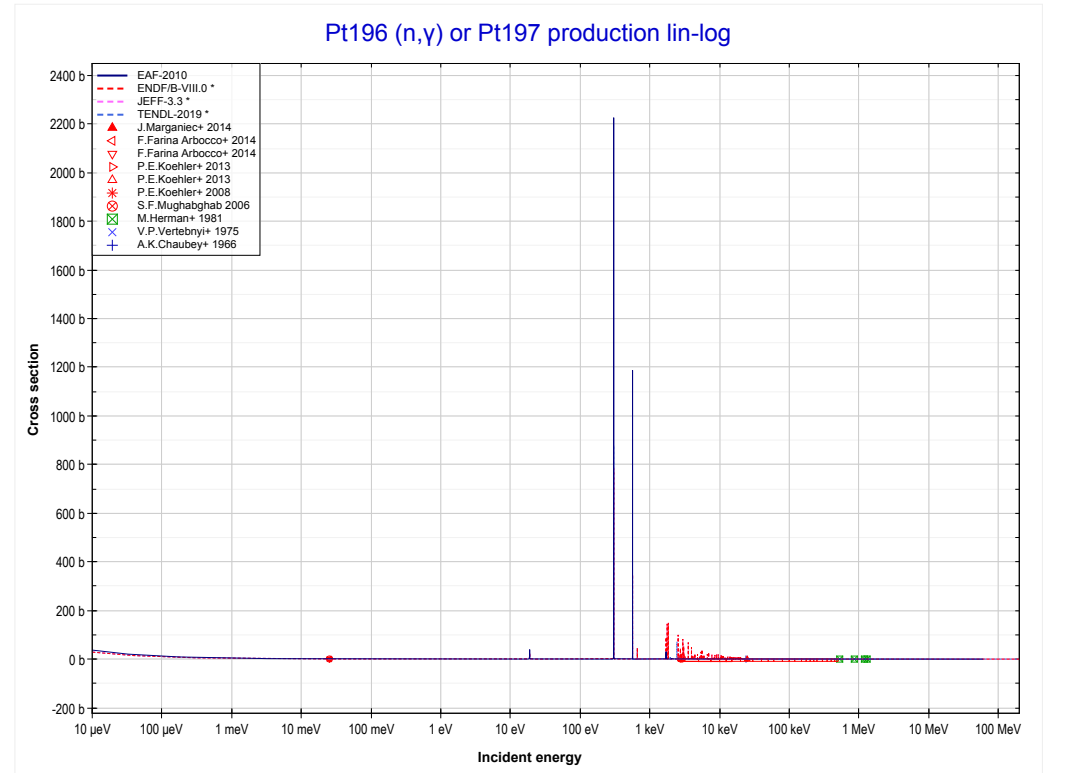
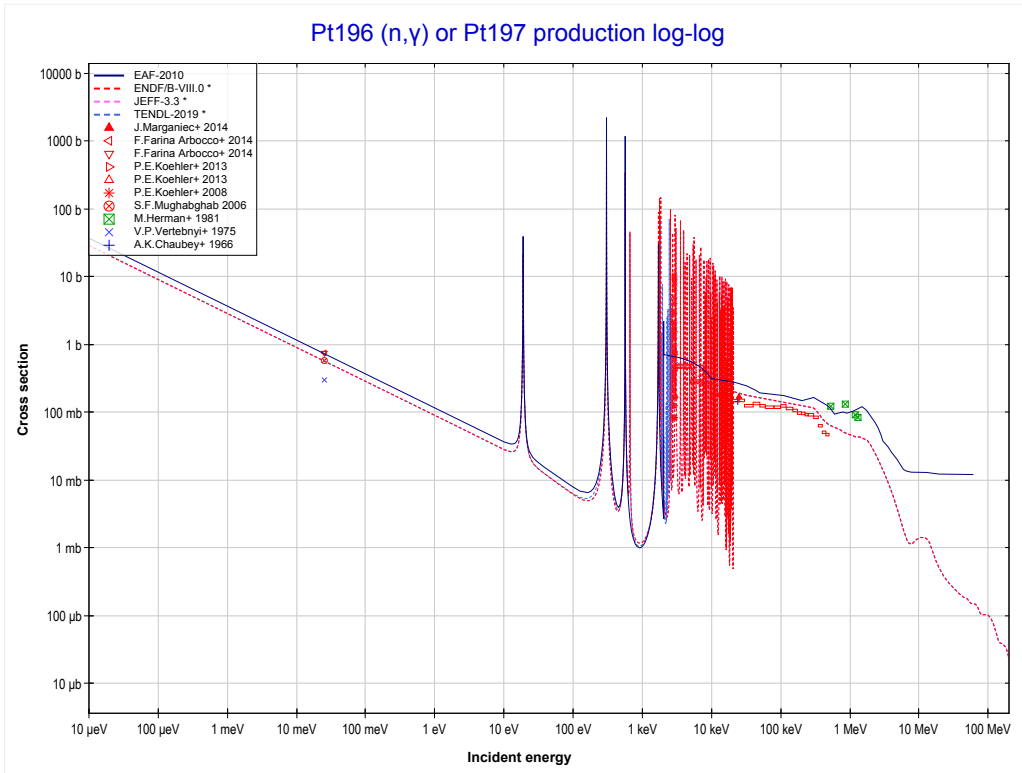
| Reaction | Q-Value |
|--------------------------|---------------|
| Pt195(n, α)Os192 | 8734.80 keV |
| Pt195(n,p+t)Os192 | -11079.06 keV |
| Pt195(n,n+He3)Os192 | -11842.82 keV |
| Pt195(n,2d)Os192 | -15111.73 keV |
| Pt195(n,n+p+d)Os192 | -17336.29 keV |
| Pt195(n,2n+2p)Os192 | -19560.86 keV |

| | | |
|-----------------------------------|------------------------|-------------------------|
| << 78-Pt-195 | 78-Pt-196 | 78-Pt-198 >> |
| << 78-Pt-195 MT107 (n, α) | MT2 (n,elastic) | MT102 (n, γ) >> |



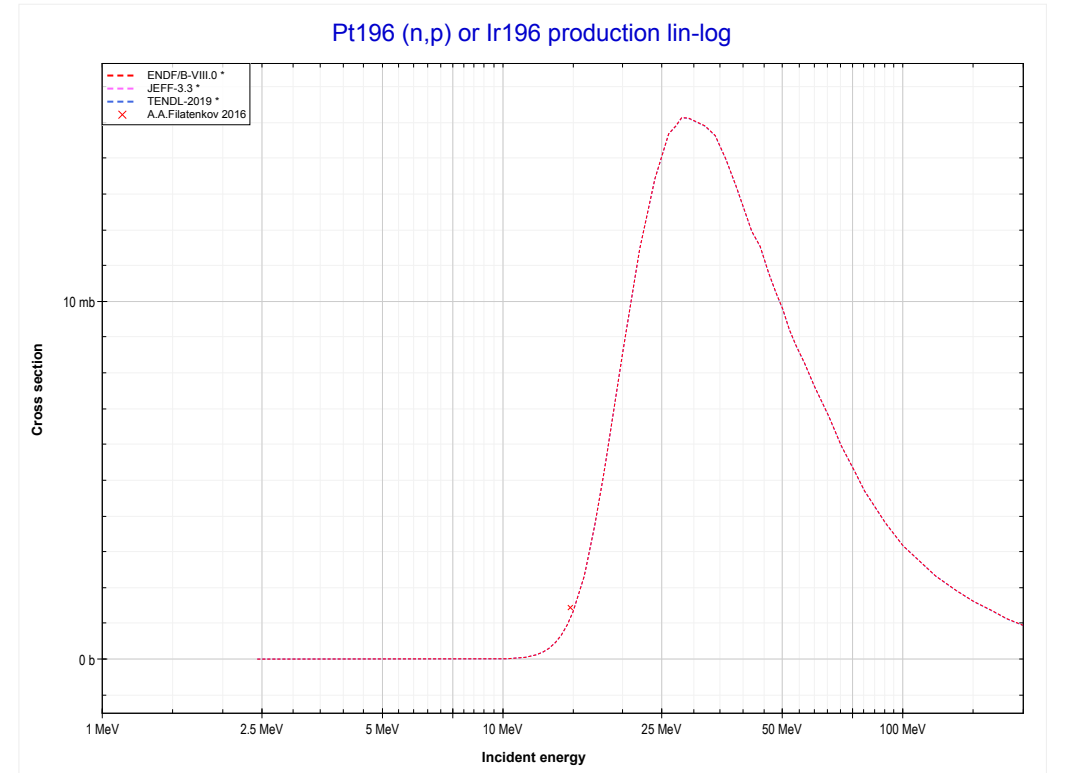
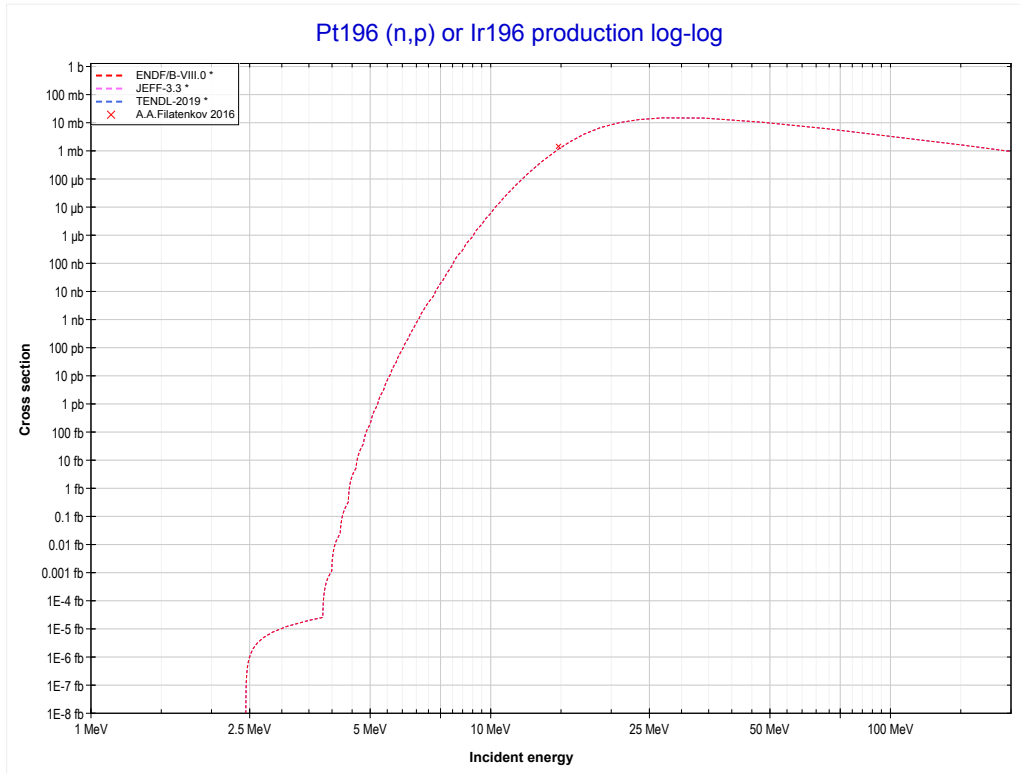
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.3483 b | 11.3483 b | 12.805 b | 1.12836 | 162.543 b | 5.03091 b | 2.7625 b |
| JEFF-3.3 | 11.3483 b | 11.3483 b | 12.805 b | 1.12836 | 162.543 b | 5.03091 b | 2.7625 b |
| TENDL-2019 | 11.7521 b | 11.7521 b | 13.261 b | 1.12843 | 172.849 b | 5.03408 b | 2.7625 b |

| | | |
|--------------------|--|----------------|
| << 78-Pt-195 | 78-Pt-196 | 78-Pt-198 >> |
| << MT2 (n,elastic) | MT102 (n,γ) or MT5 (Pt197 production) | MT103 (n,p) >> |



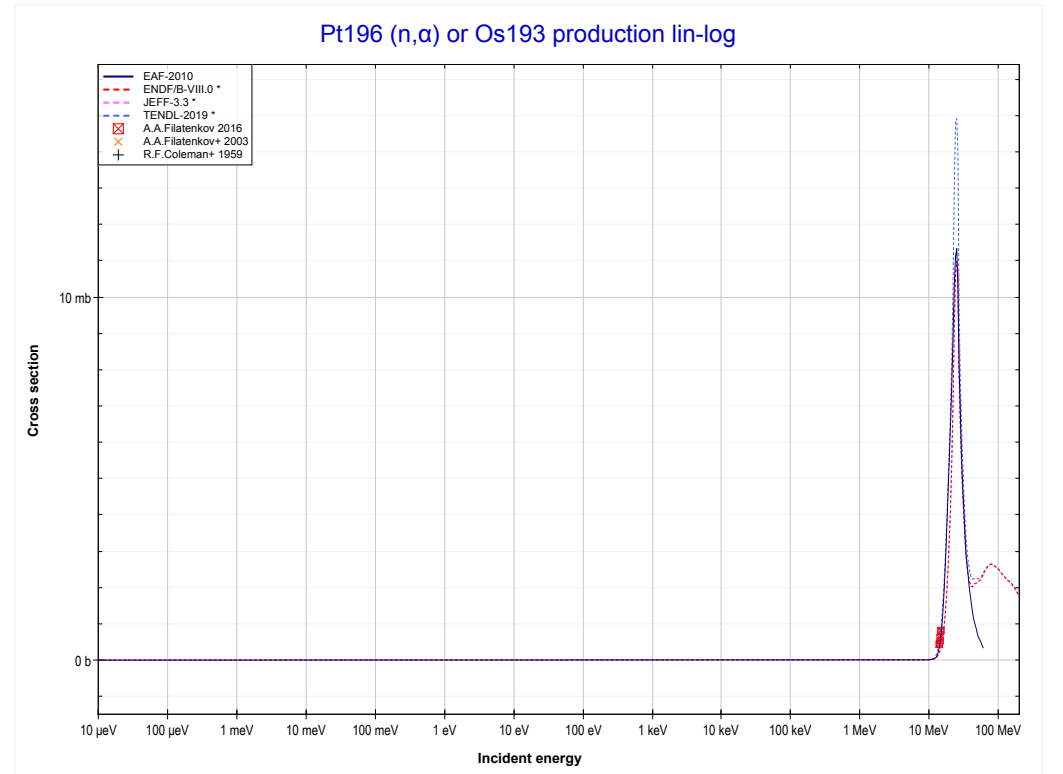
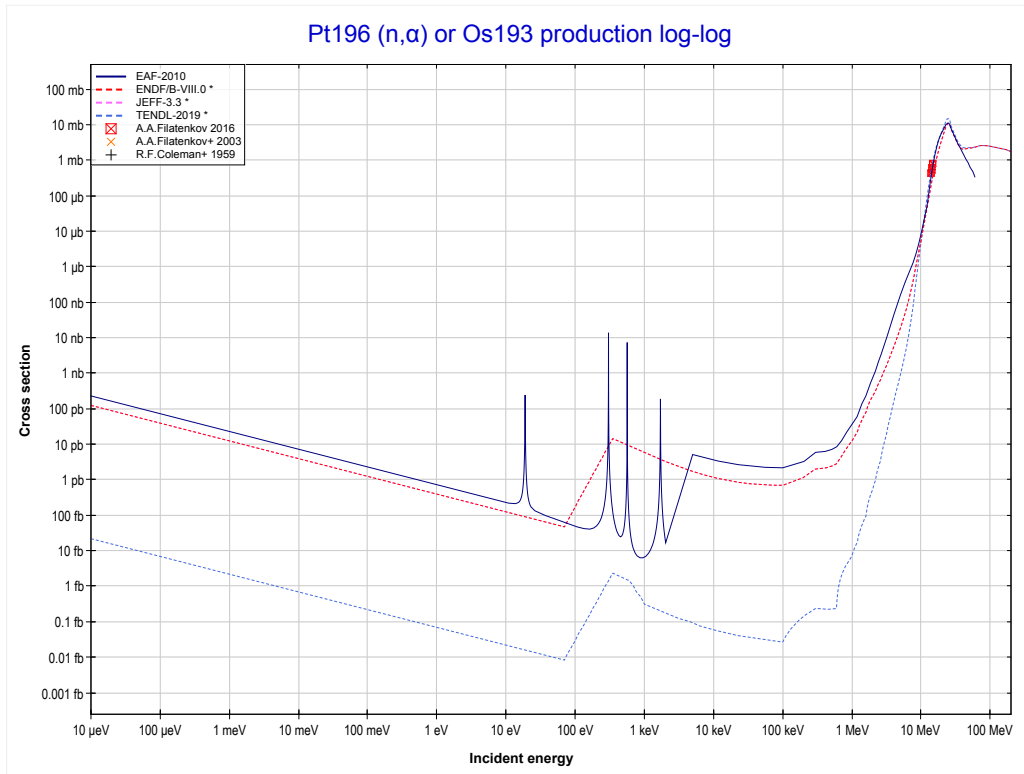
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.736954 b | 0.736437 b | 0.7378 b | 1.00191 | 6.1935 b | 0.0875263 b | 0.0127855 b |
| ENDF/B-VIII.0 | 0.572451 b | 0.572451 b | 0.57262 b | 1.0003 | 5.81731 b | 0.0425056 b | 0.00122718 b |
| JEFF-3.3 | 0.572451 b | 0.572451 b | 0.57262 b | 1.0003 | 5.81731 b | 0.0425056 b | 0.00122718 b |
| TENDL-2019 | 0.578041 b | 0.578041 b | 0.57803 b | 0.99999 | 5.62815 b | 0.0419061 b | 0.00122614 b |

| | | |
|-------------------------|--|-------------------------|
| << 78-Pt-195 | 78-Pt-196 | 79-Au-197 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Ir196 production) | MT107 (n, α) >> |



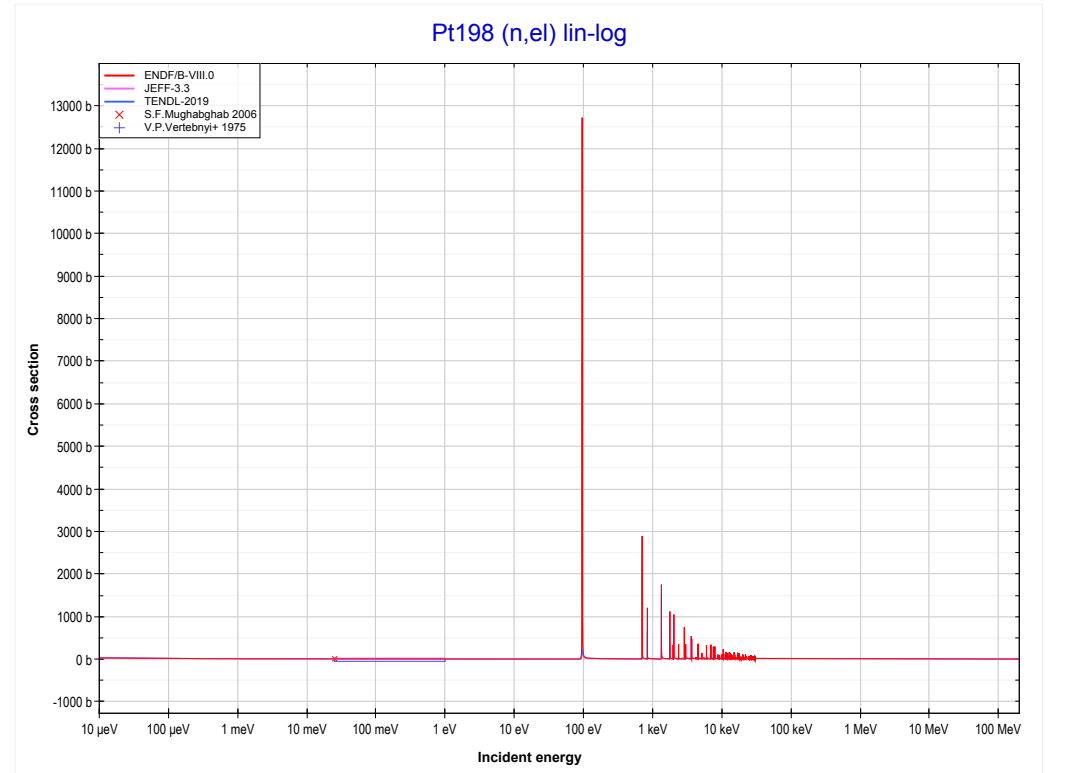
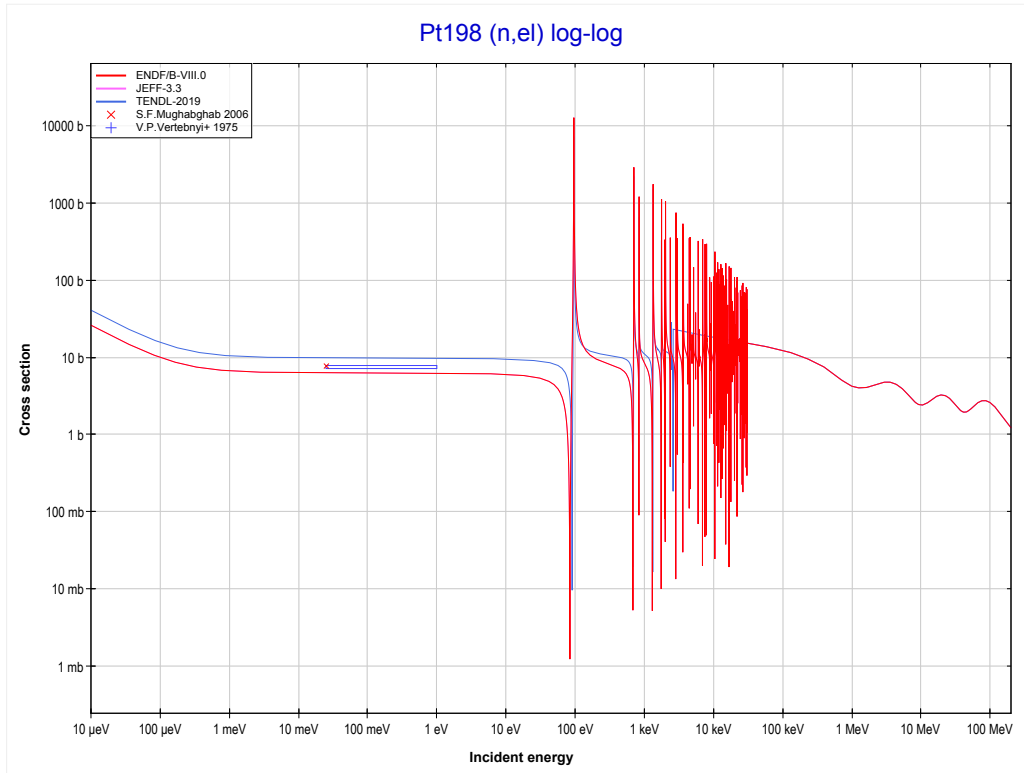
| Reaction | Q-Value |
|-----------------|--------------|
| Pt196(n,p)Ir196 | -2422.15 keV |

| | | |
|----------------|--|------------------------------|
| << 78-Pt-195 | 78-Pt-196 | 78-Pt-198 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Os193 production) | 78-Pt-198 MT2 (n,elastic) >> |



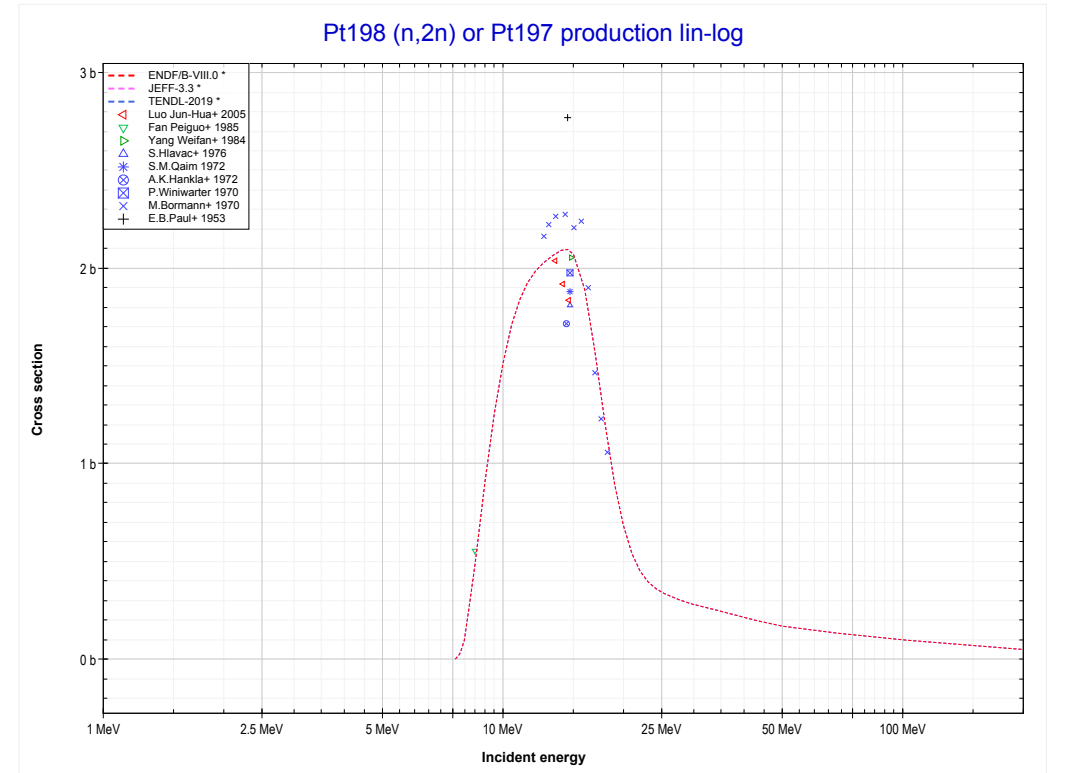
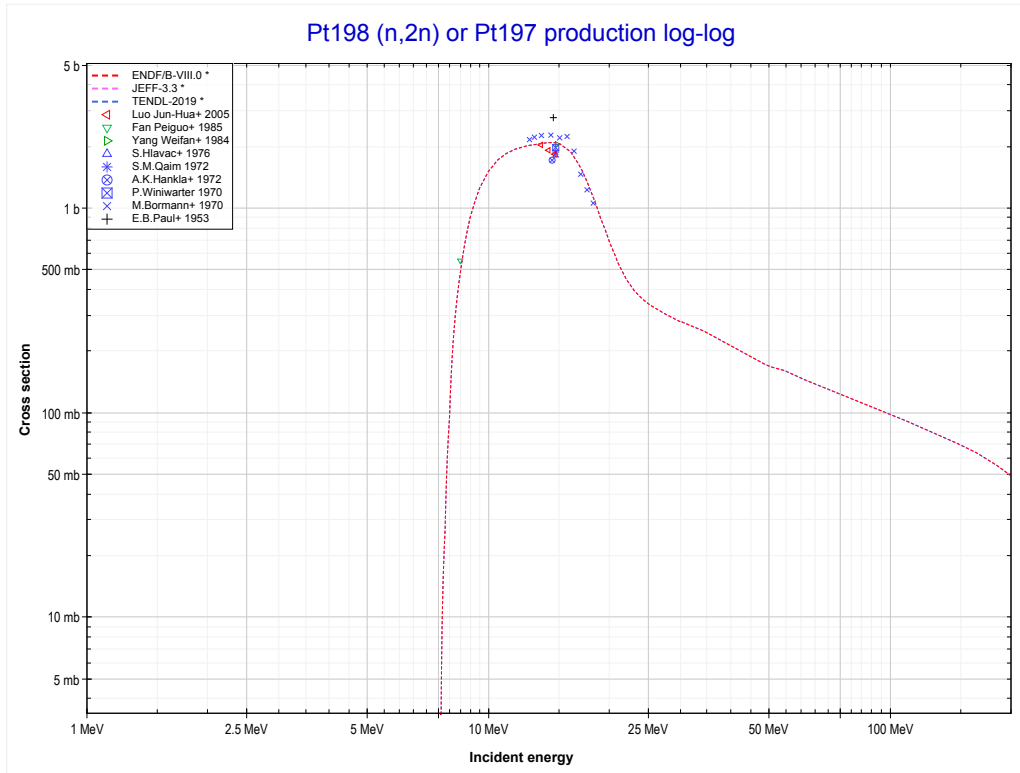
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.5659E-12 b | 4.56248E-12 b | 4.5622E-12 b | 0.99994 | 3.8895E-11 b | 2.60778E-7 b | 3.49942E-4 b |
| ENDF/B-VIII.0 | 2.4681E-12 b | 2.4681E-12 b | 2.469E-12 b | 1.00036 | 2.33592E-11 b | 1.38617E-7 b | 1.90646E-4 b |
| JEFF-3.3 | 2.4681E-12 b | 2.4681E-12 b | 2.469E-12 b | 1.00036 | 2.33592E-11 b | 1.38617E-7 b | 1.90646E-4 b |
| TENDL-2019 | 4.3411E-16 b | 4.3411E-16 b | 4.3407E-16 b | 0.9999 | 2.68914E-15 b | 2.69018E-7 b | 4.9254E-4 b |

| | | |
|-----------------------------------|------------------------|----------------|
| << 78-Pt-196 | 78-Pt-198 | 79-Au-197 >> |
| << 78-Pt-196 MT107 (n, α) | MT2 (n,elastic) | MT16 (n,2n) >> |



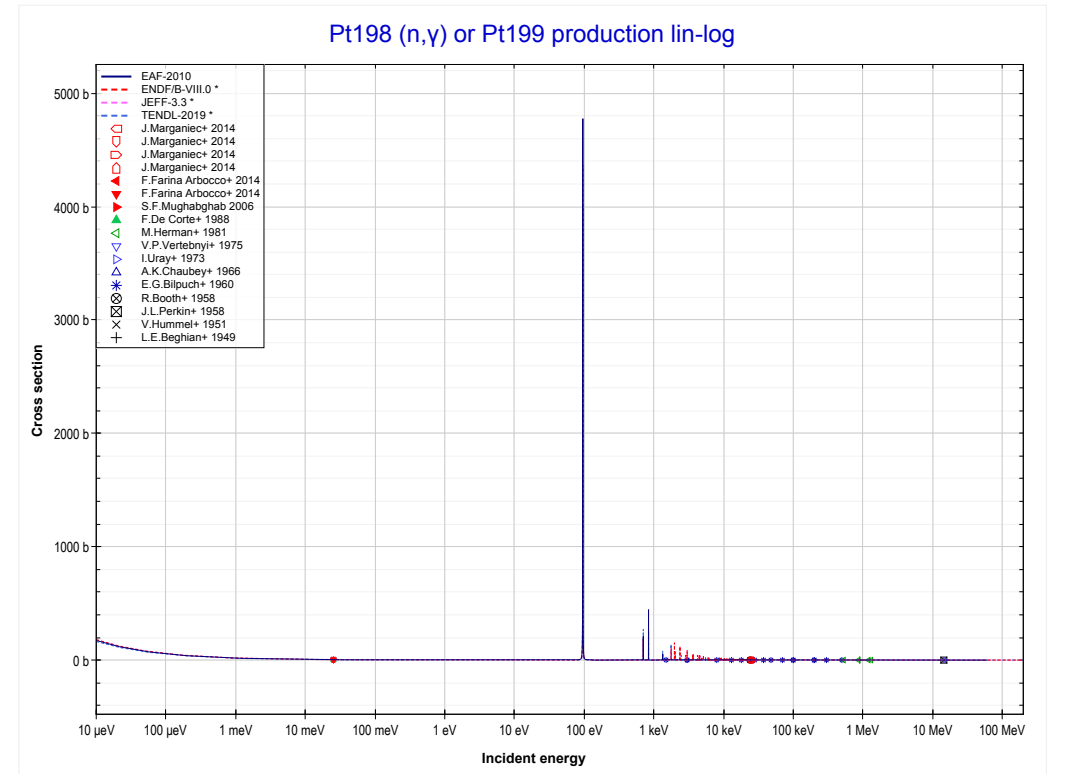
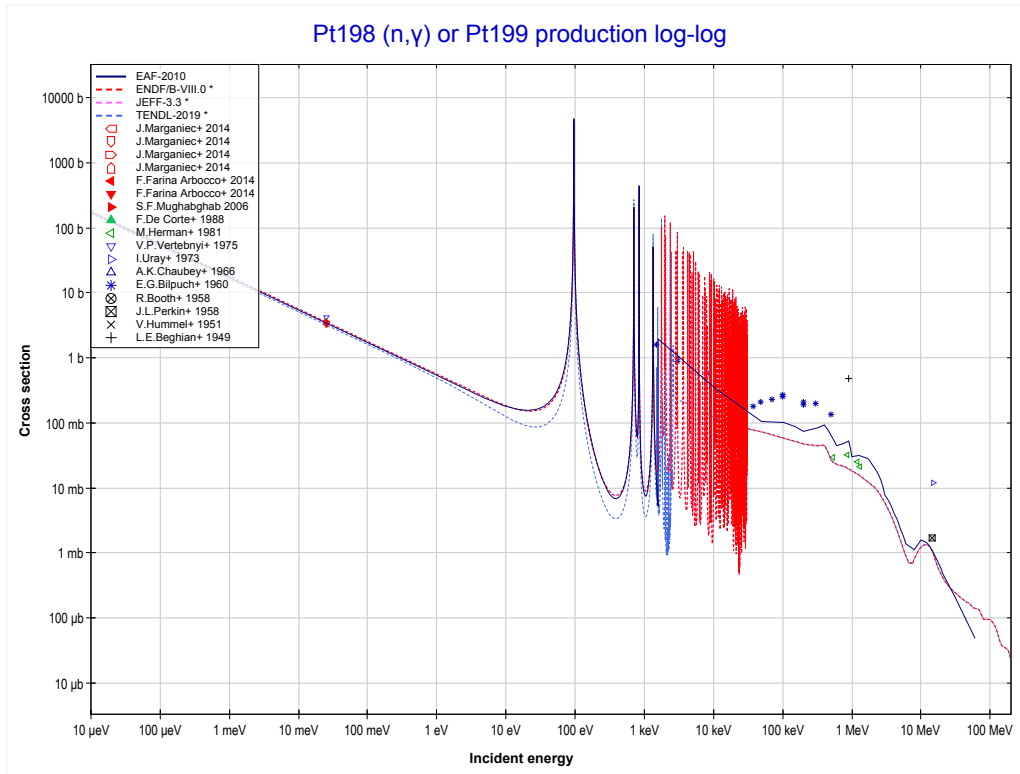
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.27682 b | 6.27682 b | 7.0819 b | 1.12827 | 287.036 b | 5.06905 b | 2.78117 b |
| JEFF-3.3 | 6.27682 b | 6.27682 b | 7.0819 b | 1.12827 | 287.036 b | 5.06905 b | 2.78117 b |
| TENDL-2019 | 9.82758 b | 9.82758 b | 11.089 b | 1.12833 | 220.54 b | 5.07599 b | 2.78117 b |

| | | |
|--------------------|--|-------------------------|
| << 78-Pt-192 | 78-Pt-198 | 79-Au-197 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Pt197 production) | MT102 (n, γ) >> |



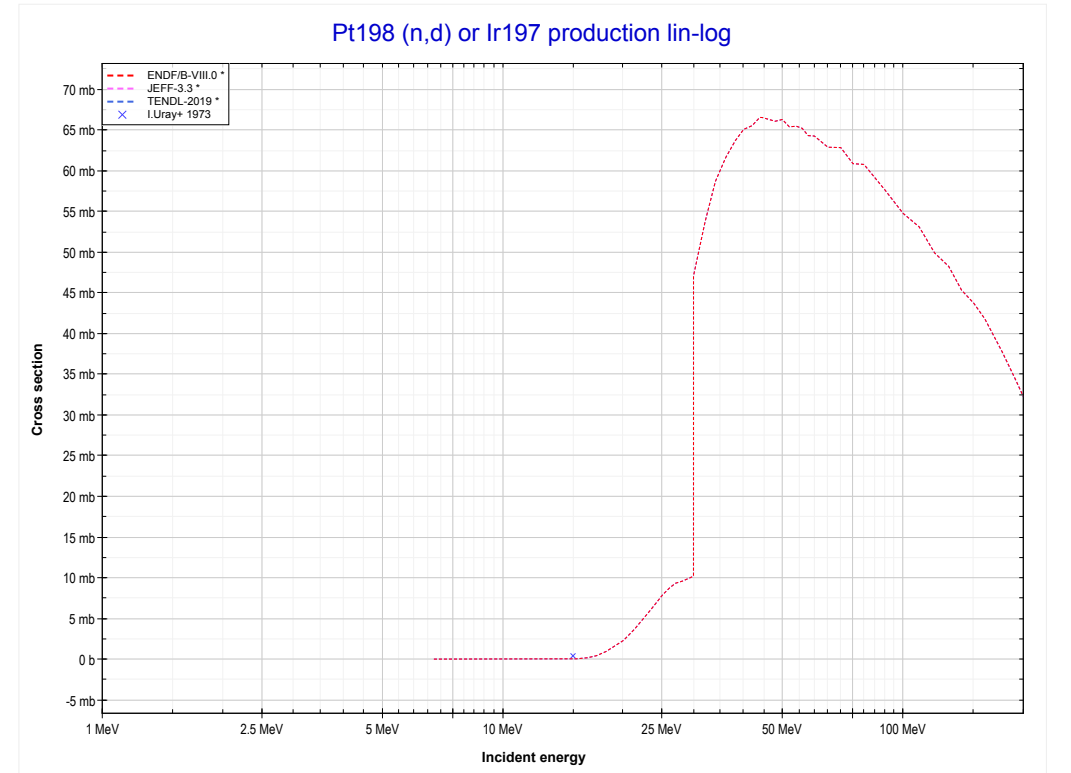
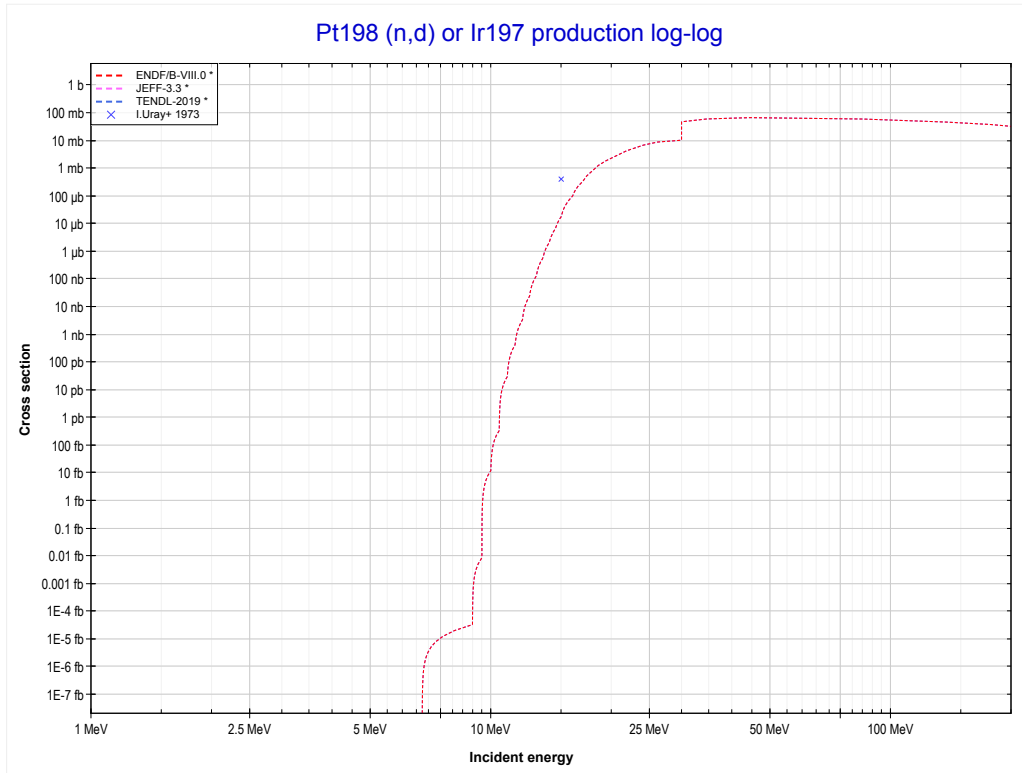
| | |
|------------------|--------------|
| Reaction | Q-Value |
| Pt198(n,2n)Pt197 | -7555.62 keV |

| | | |
|----------------|--|----------------|
| << 78-Pt-196 | 78-Pt-198 | 78-Pt-199 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Pt199 production) | MT104 (n,d) >> |



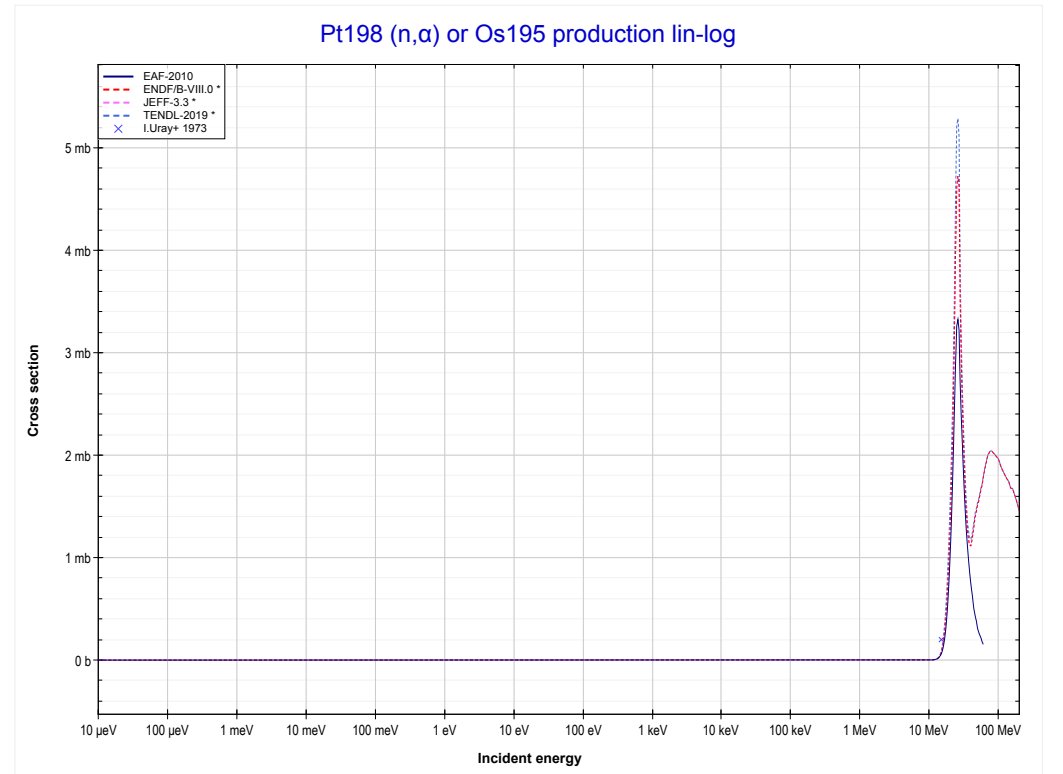
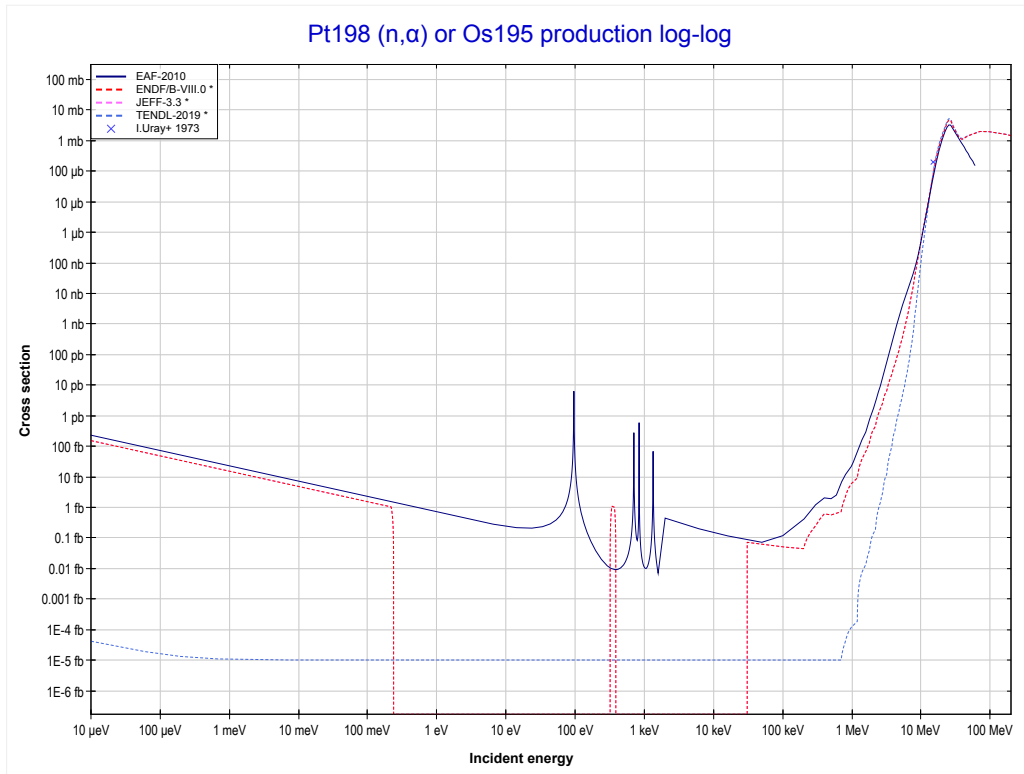
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3.44045 b | 3.43813 b | 3.4433 b | 1.00158 | 50.0839 b | 0.032804 b | 0.00117078 b |
| ENDF/B-VIII.0 | 3.59175 b | 3.59175 b | 3.5925 b | 1.00021 | 48.9957 b | 0.0171287 b | 0.0011687 b |
| JEFF-3.3 | 3.59175 b | 3.59175 b | 3.5925 b | 1.00021 | 48.9957 b | 0.0171287 b | 0.0011687 b |
| TENDL-2019 | 3.24295 b | 3.24295 b | 3.241 b | 0.9994 | 39.2352 b | 0.0164942 b | 0.0011679 b |

| | | |
|-------------------------|--|-------------------------|
| << 76-Os-190 | 78-Pt-198 | 80-Hg-196 >> |
| << MT102 (n, γ) | MT104 (n,d) or MT5 (Ir197 production) | MT107 (n, α) >> |



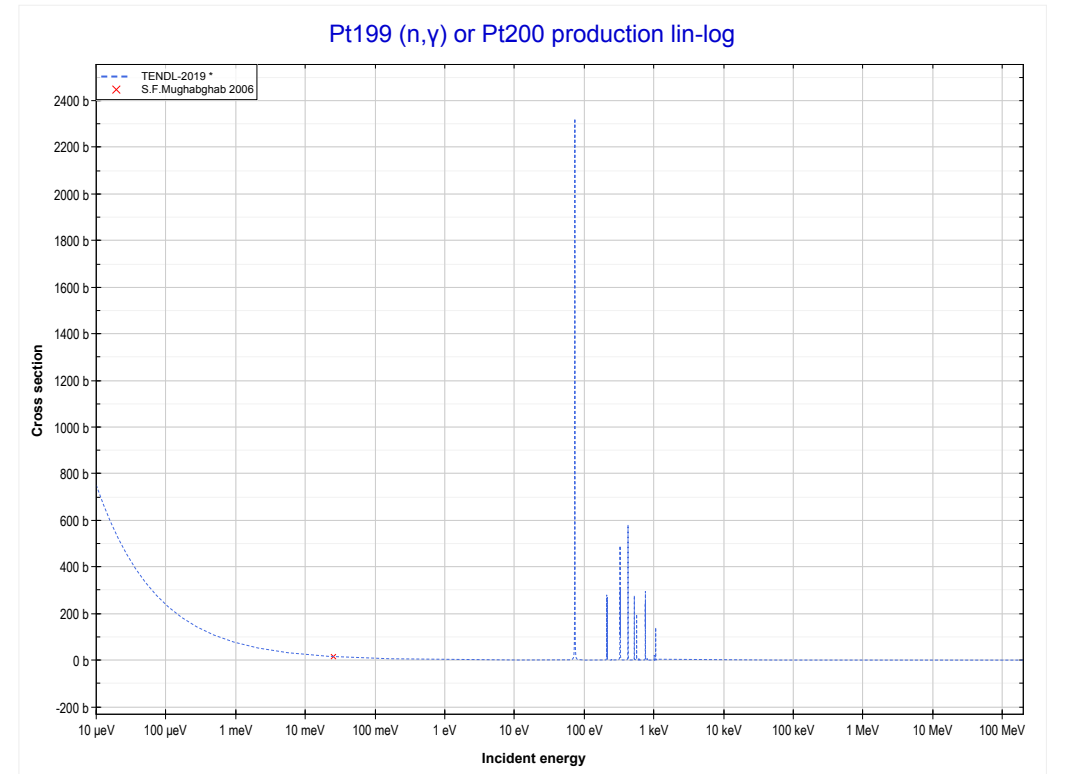
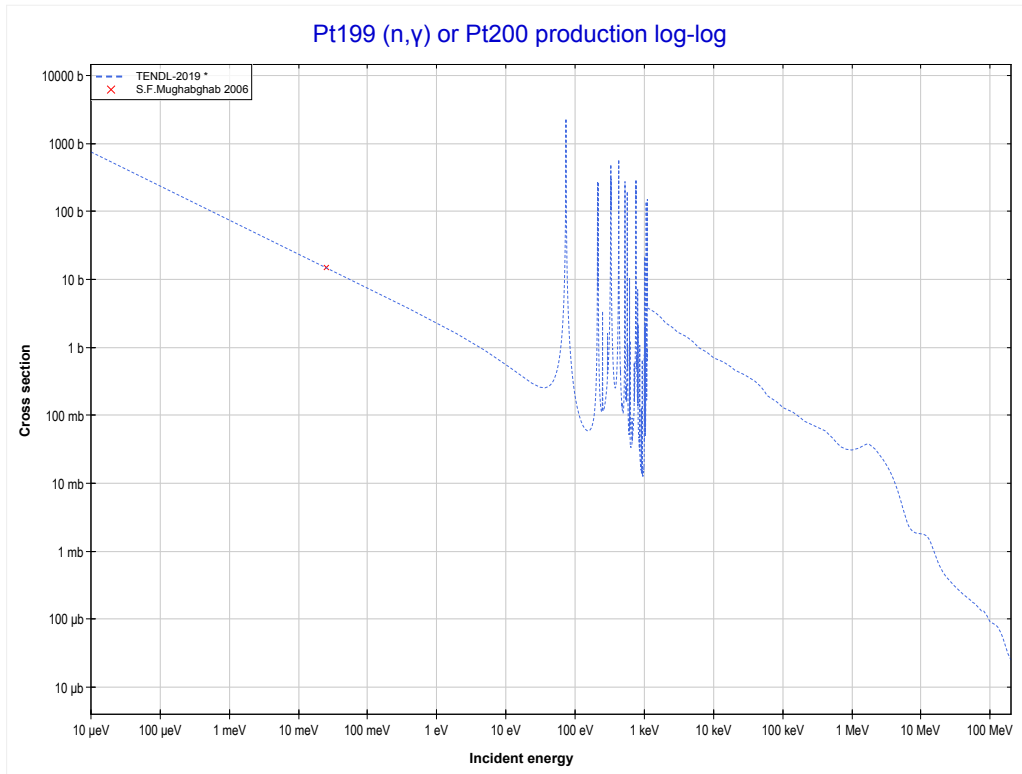
| Reaction | Q-Value |
|-------------------|--------------|
| Pt198(n,d)Ir197 | -6704.40 keV |
| Pt198(n,n+p)Ir197 | -8928.97 keV |

| | | |
|----------------|--|-----------------------------------|
| << 78-Pt-196 | 78-Pt-198 | 79-Au-197 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Os195 production) | 78-Pt-199 MT102 (n, γ) >> |



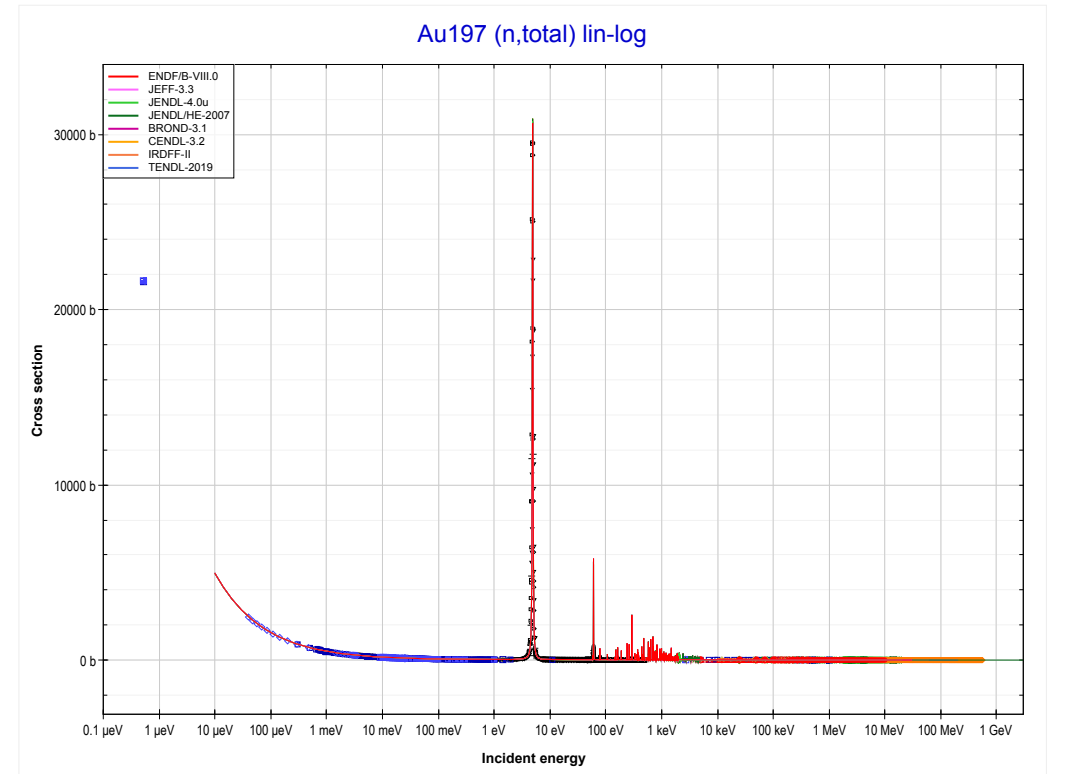
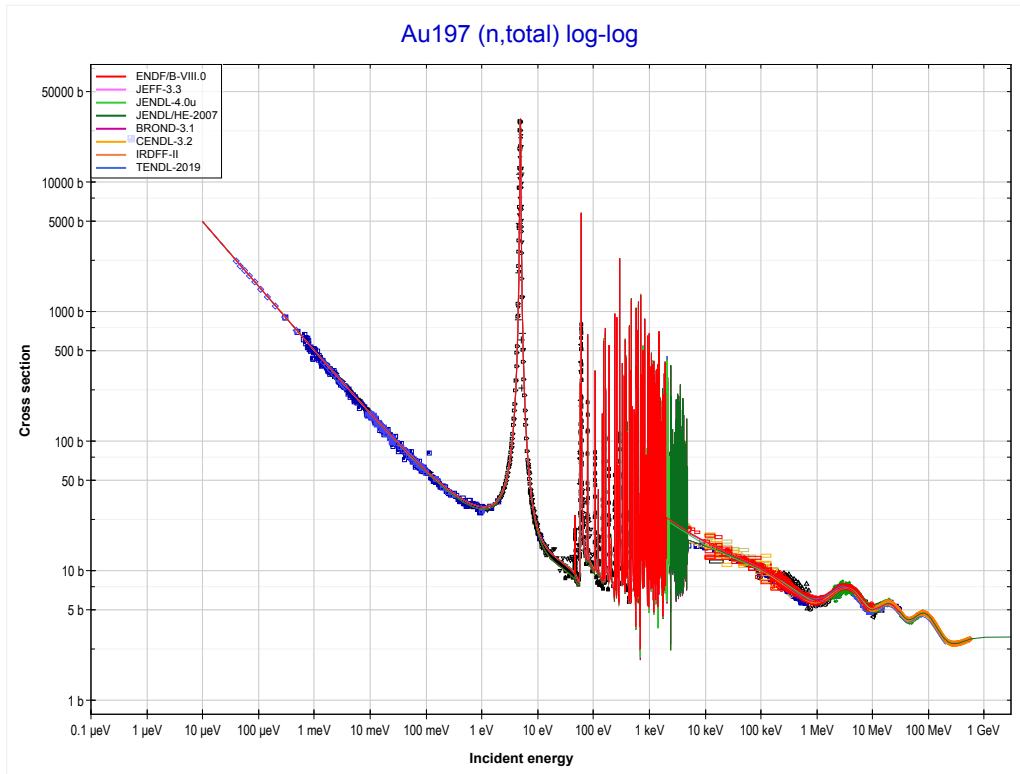
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.57527E-15 b | 4.57184E-15 b | 4.5703E-15 b | 0.99967 | 6.4131E-14 b | 2.11417E-8 b | 2.83836E-5 b |
| ENDF/B-VIII.0 | 3.0364E-15 b | 3.0364E-15 b | 3.0361E-15 b | 0.9999 | 2.16361E-16 b | 2.51912E-8 b | 3.36134E-5 b |
| JEFF-3.3 | 3.0364E-15 b | 3.0364E-15 b | 3.0361E-15 b | 0.9999 | 2.16361E-16 b | 2.51912E-8 b | 3.36134E-5 b |
| TENDL-2019 | 1.0025E-20 b | 1.0025E-20 b | 1.1313E-20 b | 1.12848 | 1.22069E-19 b | 2.55324E-8 b | 3.28863E-5 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 78-Pt-198 | 78-Pt-199 | 79-Au-197 >> |
| << 78-Pt-198 MT107 (n, α) | MT102 (n,γ) or MT5 (Pt200 production) | 79-Au-197 MT1 (n,total) >> |



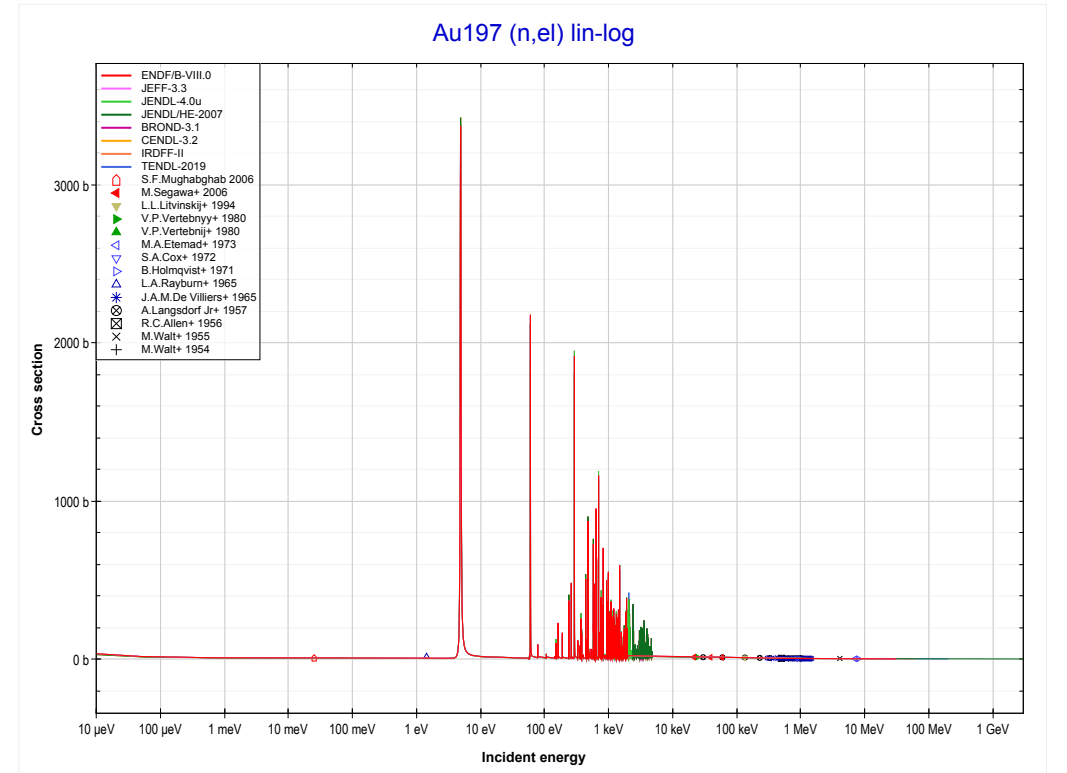
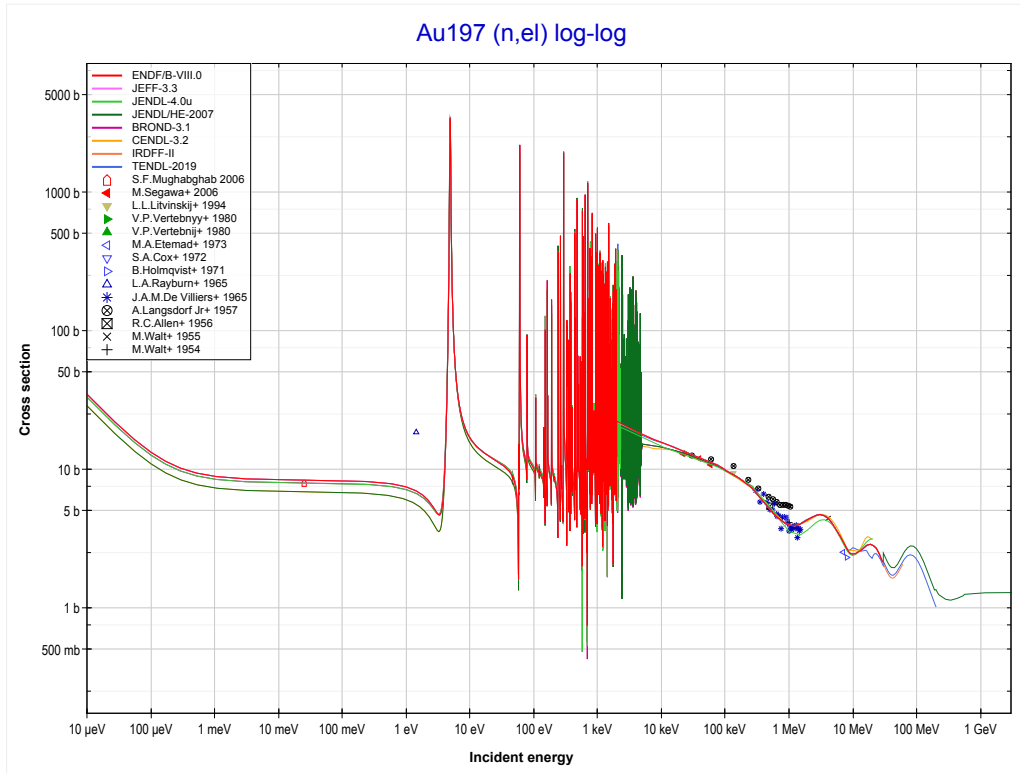
| Reaction | Q-Value |
|--------------------------|-------------|
| Pt199(n, γ)Pt200 | 7281.62 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 78-Pt-194 | 79-Au-197 | 79-Au-198 >> |
| << 78-Pt-199 MT102 (n,y) | MT1 (n,total) | MT2 (n,elastic) >> |



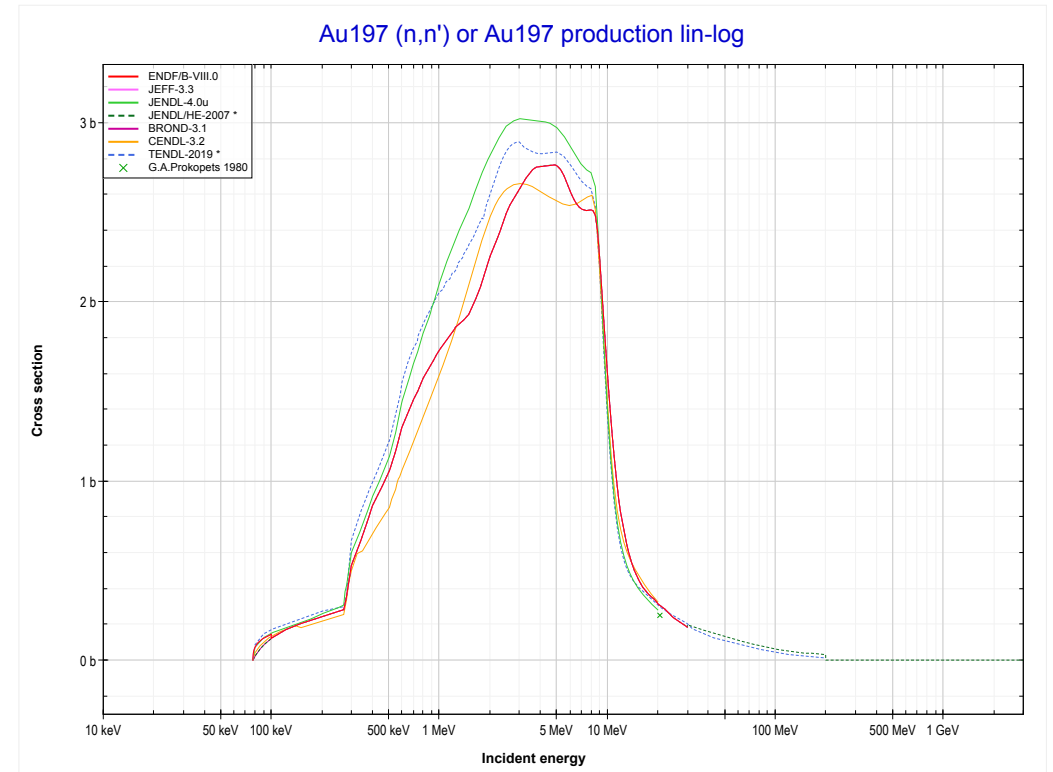
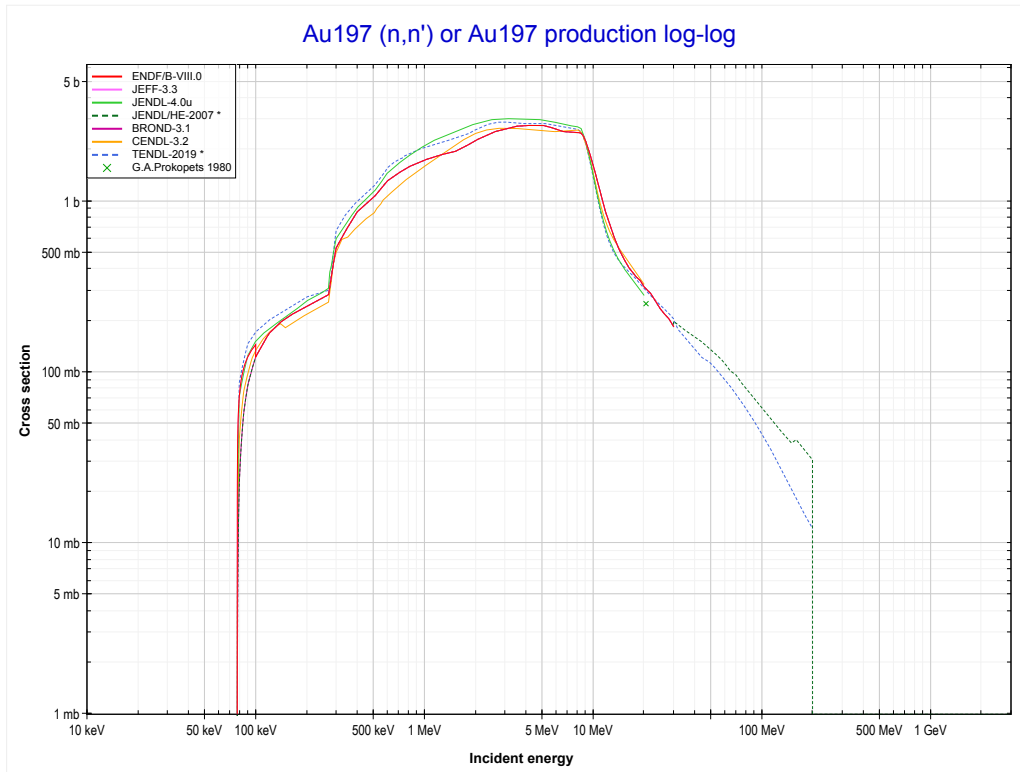
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 107.015 b | 107.015 b | 108.58 b | 1.01458 | 1927.04 b | 6.6556 b | 5.2951 b |
| JEFF-3.3 | 107.015 b | 107.015 b | 108.58 b | 1.01458 | 1927.05 b | 6.6556 b | 5.2951 b |
| JENDL-4.0u | 106.565 b | 106.565 b | 108.1 b | 1.0144 | 1952.2 b | 6.68977 b | 5.36006 b |
| JENDL/HE-2007 | 105.574 b | 105.574 b | 106.92 b | 1.01276 | 1936.98 b | 6.65197 b | 5.2951 b |
| BROND-3.1 | 106.625 b | 106.625 b | 108.16 b | 1.01441 | 1951.98 b | 6.65196 b | 5.2951 b |
| CENDL-3.2 | 105.574 b | 105.574 b | 106.92 b | 1.01276 | 1936.27 b | 6.66027 b | 5.362 b |
| IRDFF-II | 107.012 b | 107.012 b | 108.56 b | 1.01446 | 1926.17 b | 6.65544 b | 5.2951 b |
| TENDL-2019 | 106.995 b | 106.995 b | 108.52 b | 1.01423 | 1924.67 b | 6.90989 b | 5.12924 b |

| | | |
|------------------|------------------------|---------------|
| << 78-Pt-198 | 79-Au-197 | 80-Hg-Nat >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



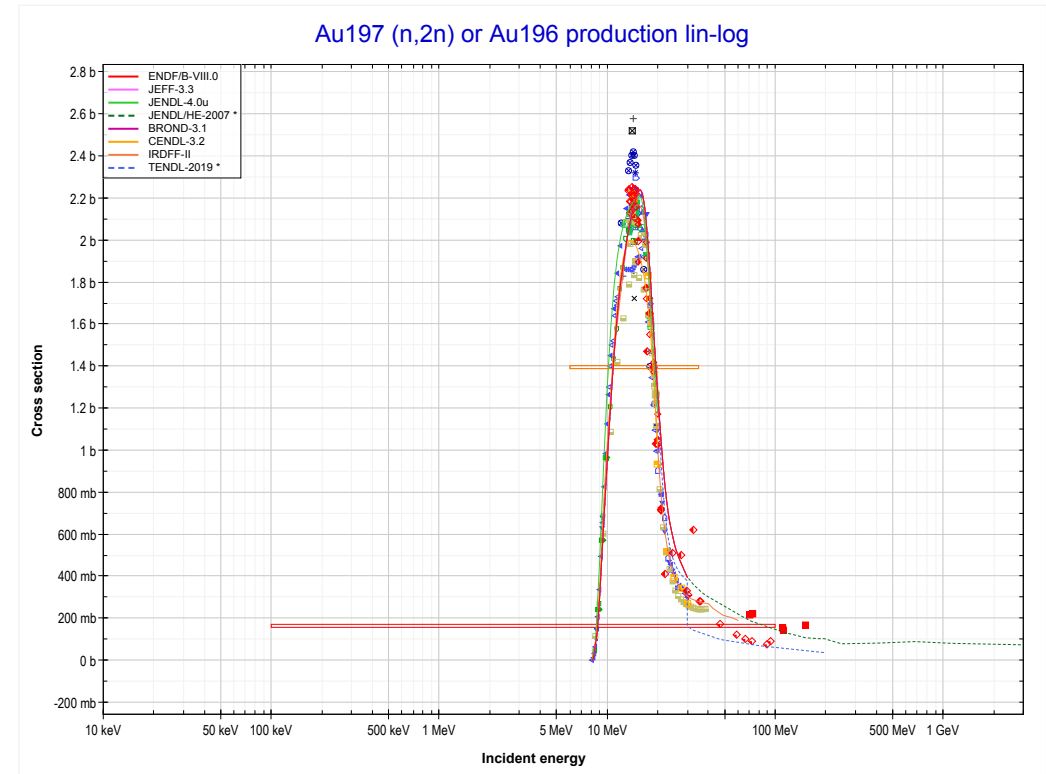
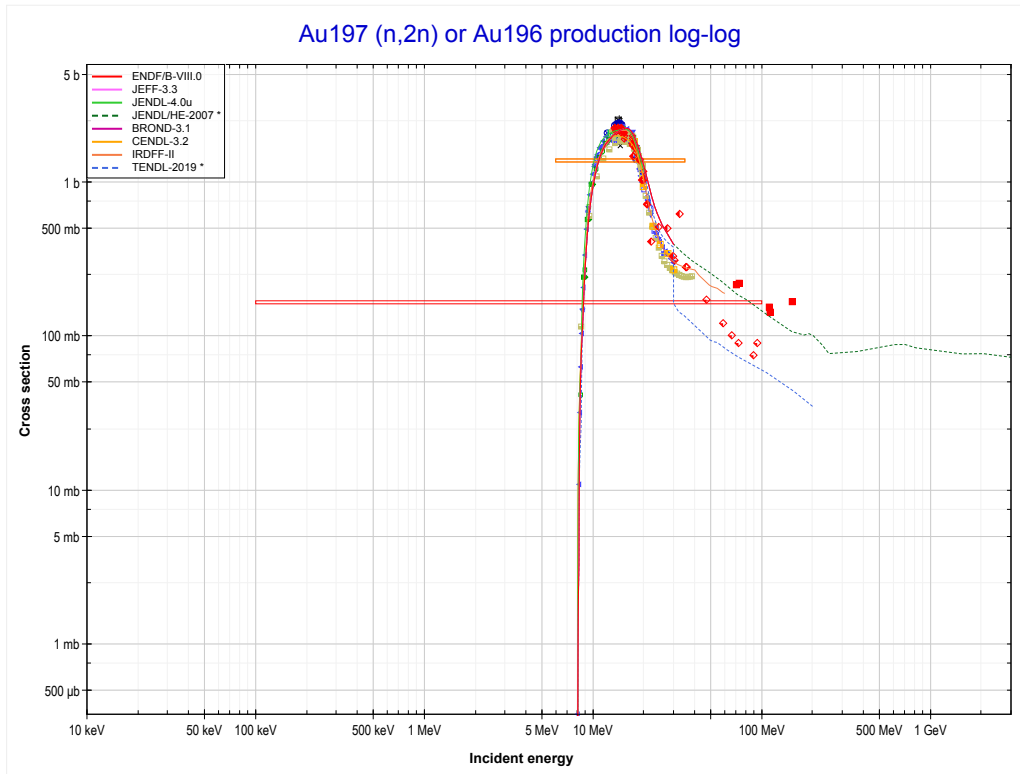
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.31282 b | 8.31282 b | 9.3578 b | 1.12571 | 381.702 b | 4.65514 b | 2.62838 b |
| JEFF-3.3 | 8.31282 b | 8.31282 b | 9.3578 b | 1.12571 | 381.535 b | 4.65526 b | 2.62838 b |
| JENDL-4.0u | 7.92158 b | 7.92158 b | 8.918 b | 1.12578 | 380.34 b | 4.3413 b | 2.72295 b |
| JENDL/HE-2007 | 6.85601 b | 6.85601 b | 7.7154 b | 1.12535 | 374.754 b | 4.65286 b | 2.62838 b |
| BROND-3.1 | 7.9298 b | 7.9298 b | 8.9273 b | 1.12579 | 380.913 b | 4.65185 b | 2.62838 b |
| CENDL-3.2 | 6.85601 b | 6.85601 b | 7.7154 b | 1.12535 | 374.042 b | 4.67311 b | 2.8179 b |
| IRDFF-II | 8.31282 b | 8.31282 b | 9.3602 b | 1.12599 | 381.616 b | 4.65507 b | 2.62838 b |
| TENDL-2019 | 8.31281 b | 8.31281 b | 9.3584 b | 1.12578 | 381.101 b | 4.6615 b | 2.54787 b |

| | | |
|--------------------|---|----------------|
| << 77-Ir-193 | 79-Au-197 | 80-Hg-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Au197 production) | MT16 (n,2n) >> |



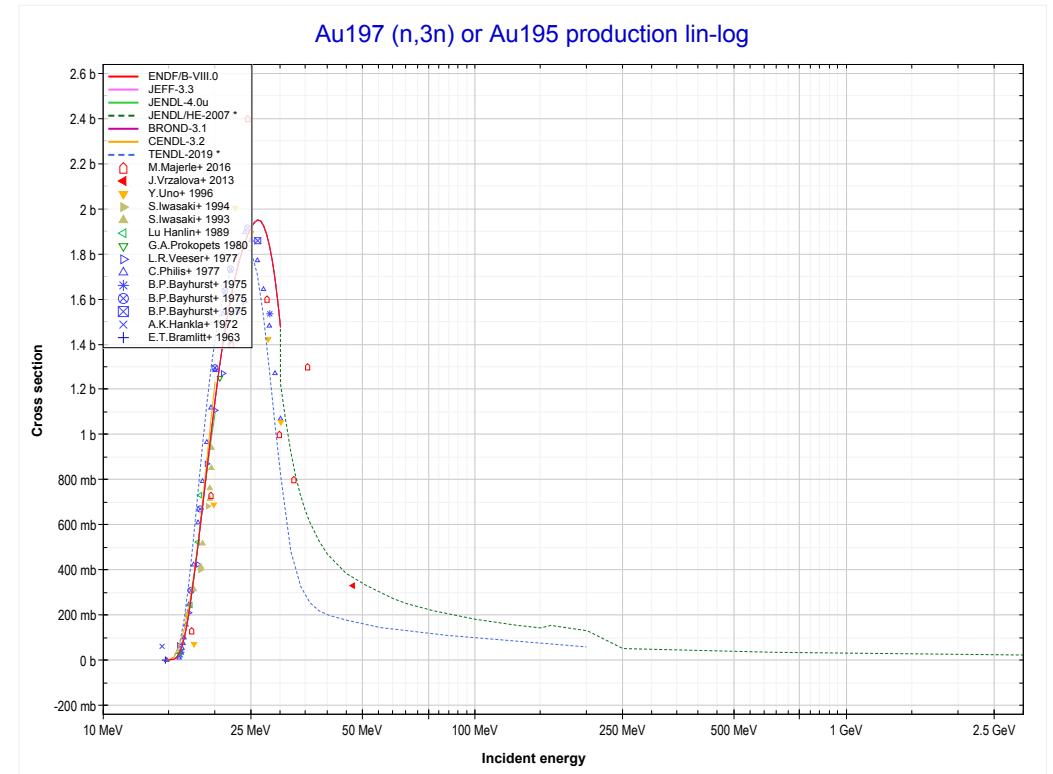
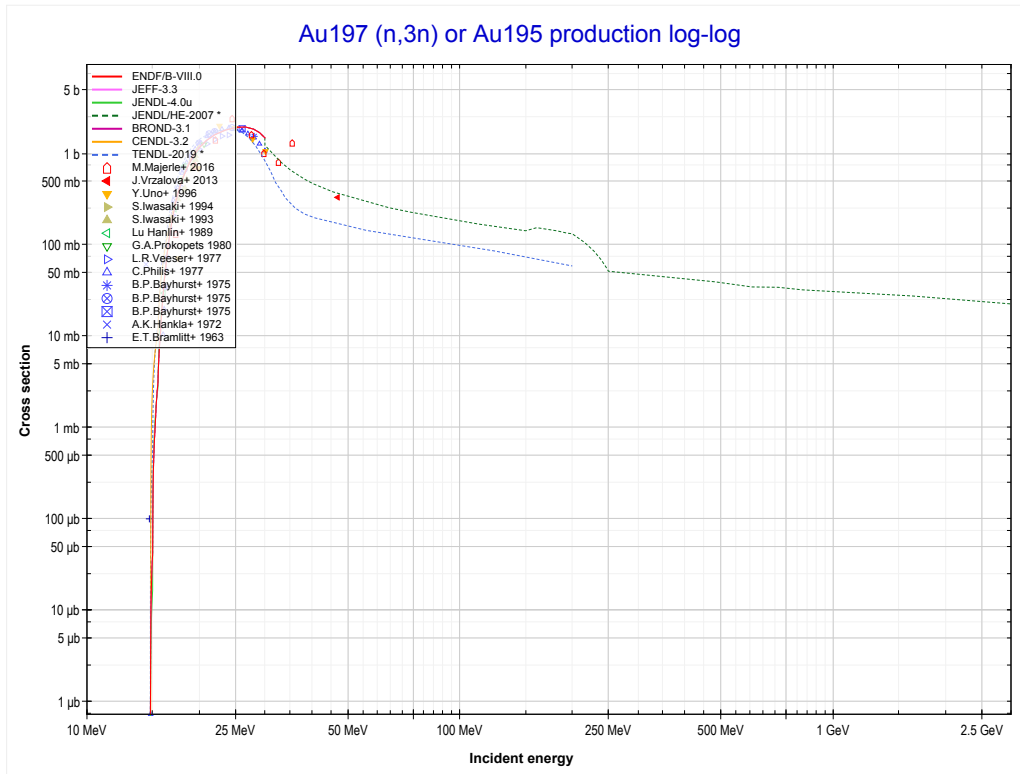
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.0276211 b | 1.91743 b | 0.541355 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0276211 b | 1.91743 b | 0.541355 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.0270589 b | 2.26406 b | 0.461632 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.0175783 b | 1.91725 b | 0.541355 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0175785 b | 1.91725 b | 0.541355 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.0214534 b | 1.9049 b | 0.54176 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.031569 b | 2.16582 b | 0.455094 b |

| | | |
|---------------|--|----------------|
| << 78-Pt-198 | 79-Au-197 | 80-Hg-196 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Au196 production) | MT17 (n,3n) >> |



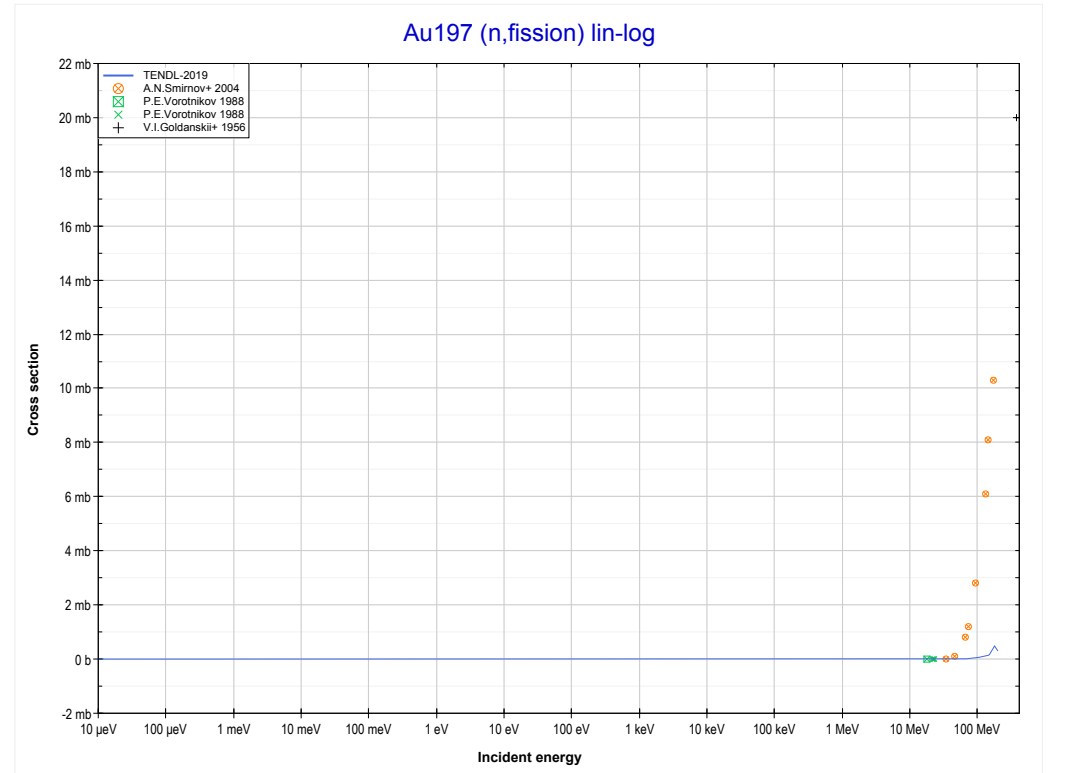
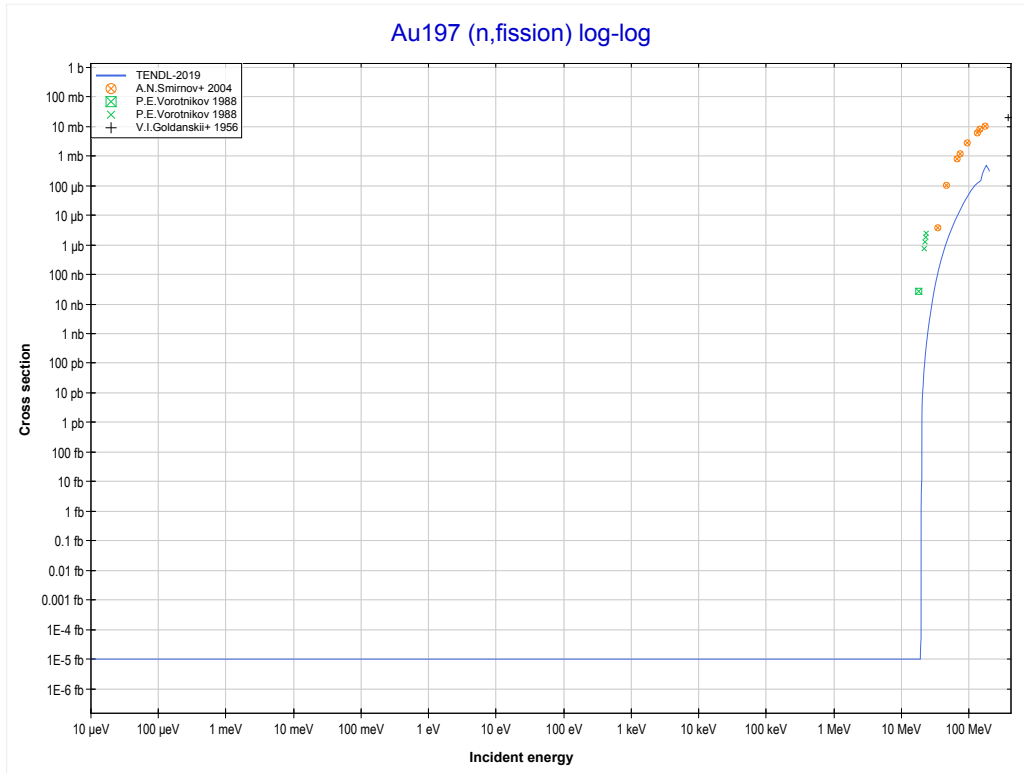
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0044161 b | 2.122 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0044161 b | 2.122 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00565213 b | 2.17181 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0044161 b | 2.122 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0044161 b | 2.122 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00458752 b | 1.9988 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00463129 b | 2.13404 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00438016 b | 2.122 b |

| | | |
|----------------|--|---------------------|
| << 77-Ir-191 | 79-Au-197 | 81-Tl-203 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Au195 production) | MT18 (n,fission) >> |

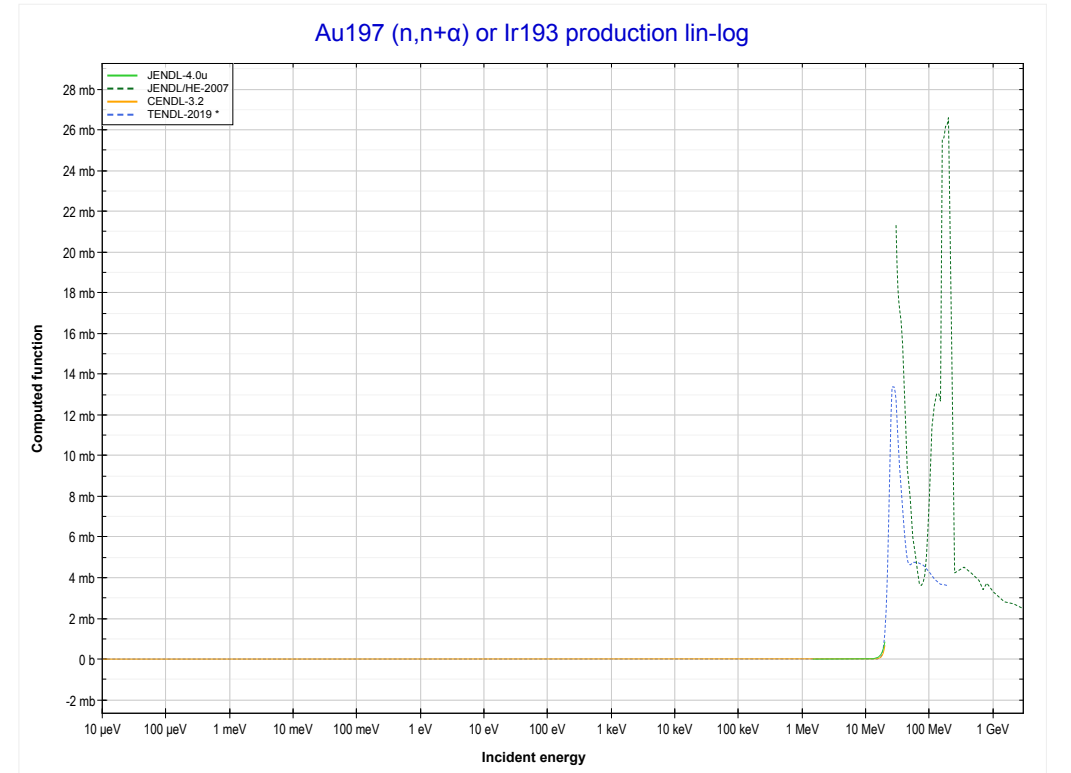
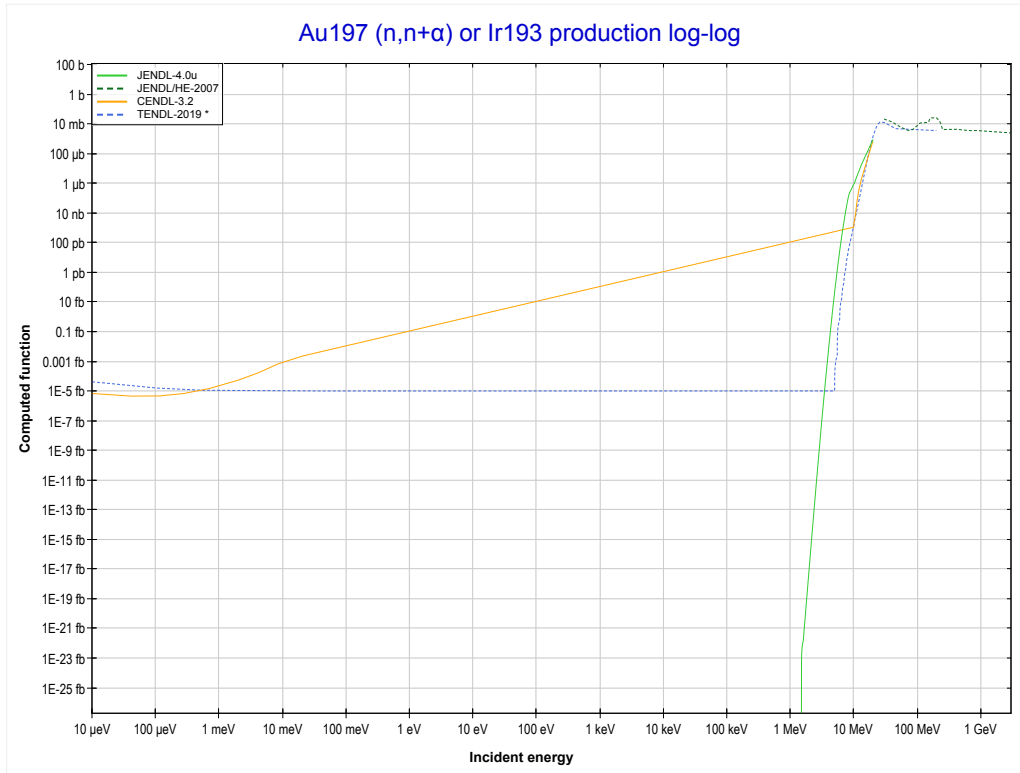


| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.97659E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.97577E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.99768E-6 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.97577E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.97577E-6 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 9.28668E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23123E-5 b | 0 b |

| | | |
|----------------|-------------------------|-----------------|
| << 74-W-186 | 79-Au-197 | 81-Tl-205 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT22 (n,n+α) >> |

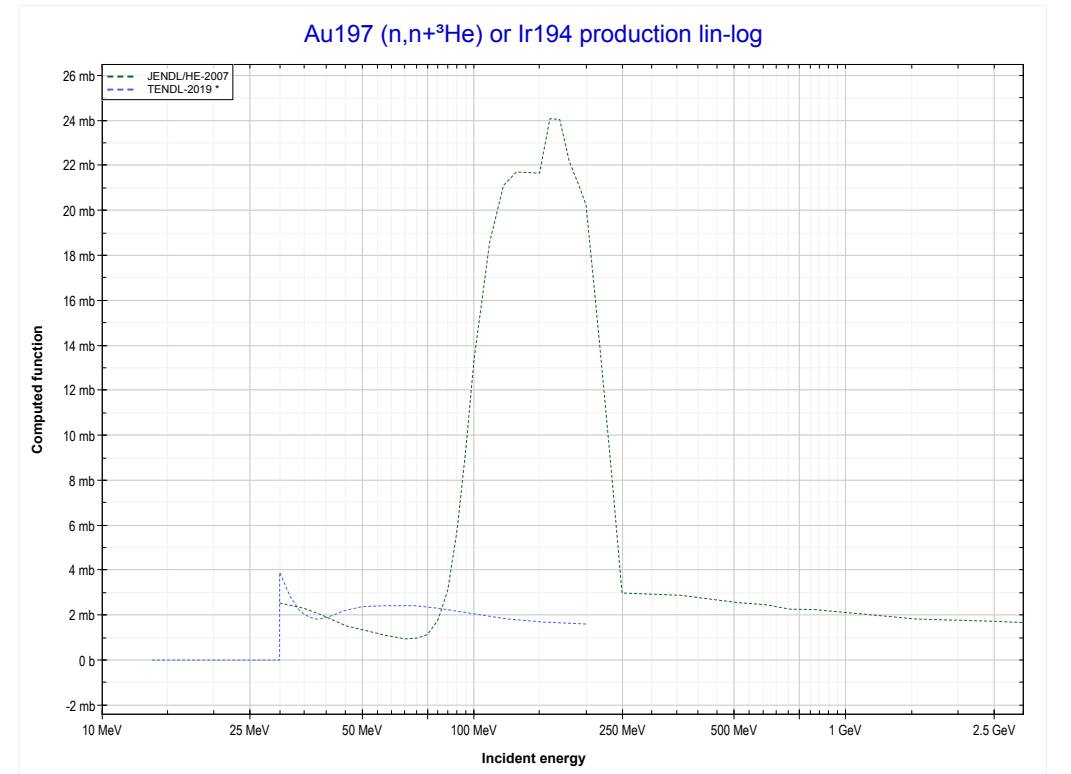
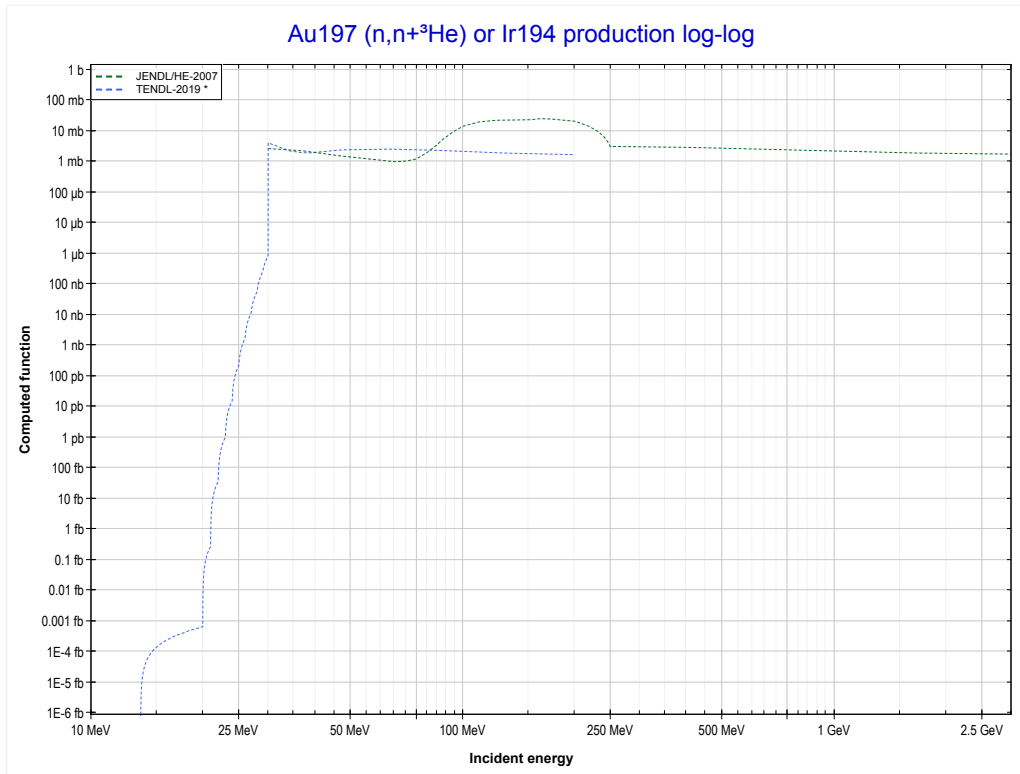


| | | |
|---------------------|---|--------------------------------|
| << 74-W-186 | 79-Au-197 | 81-Tl-203 >> |
| << MT18 (n,fission) | MT22 (n,n+α) or MT5 (Ir193 production) | MT34 (n,n+ ³ He) >> |



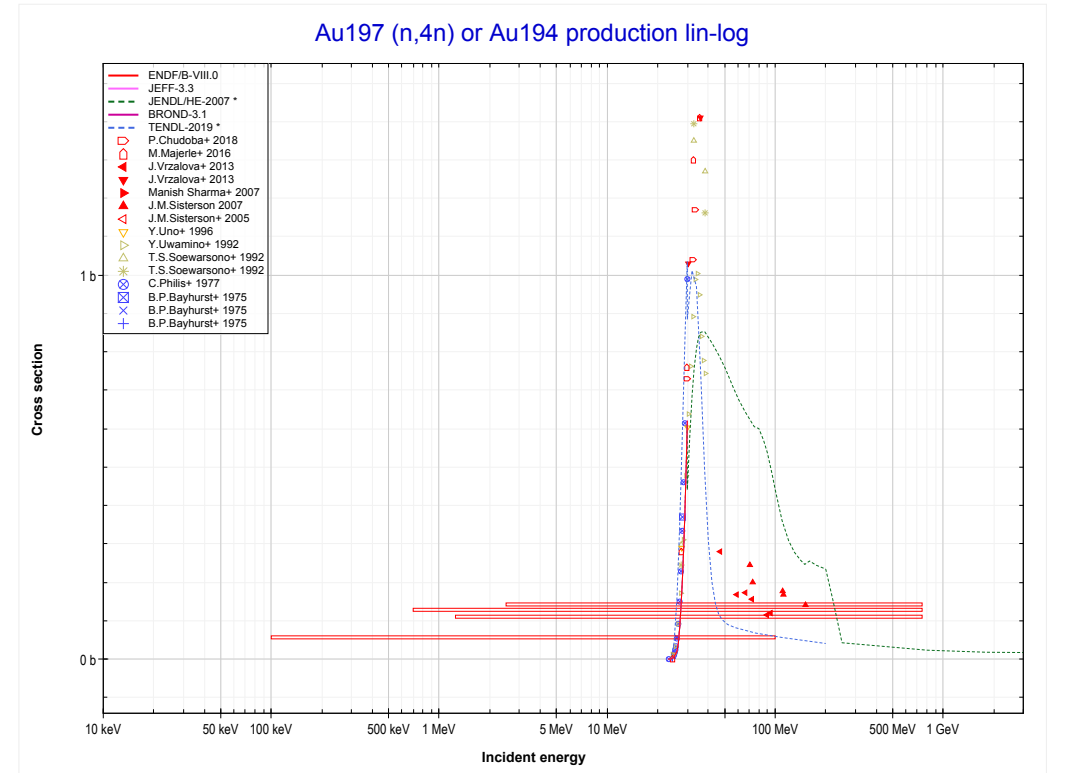
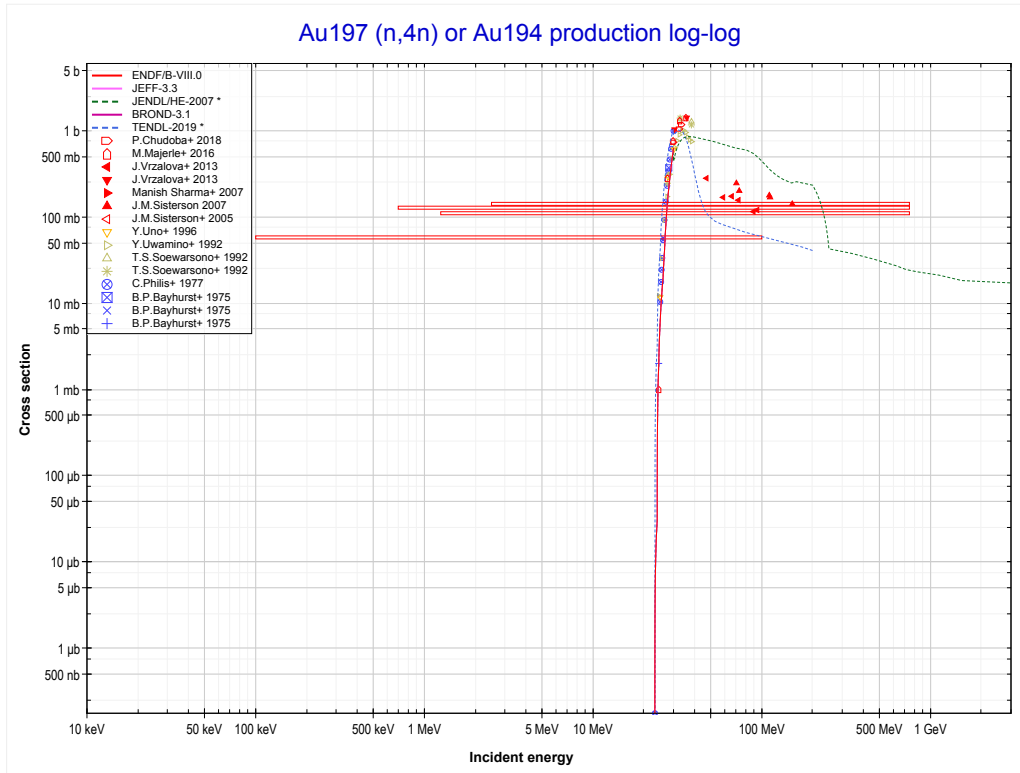
| Reaction | Q-Value |
|----------------------|---------------|
| Au197(n,n+α)Ir193 | 971.58 keV |
| Au197(n,d+t)Ir193 | -16617.71 keV |
| Au197(n,n+p+t)Ir193 | -18842.28 keV |
| Au197(n,2n+He3)Ir193 | -19606.04 keV |
| Au197(n,n+2d)Ir193 | -22874.94 keV |
| Au197(n,2n+p+d)Ir193 | -25099.51 keV |
| Au197(n,3n+2p)Ir193 | -27324.08 keV |

| | | |
|-----------------|--|----------------|
| << 74-W-186 | 79-Au-197 | |
| << MT22 (n,n+α) | MT34 (n,n+³He) or MT5 (Ir194 production) | MT37 (n,4n) >> |



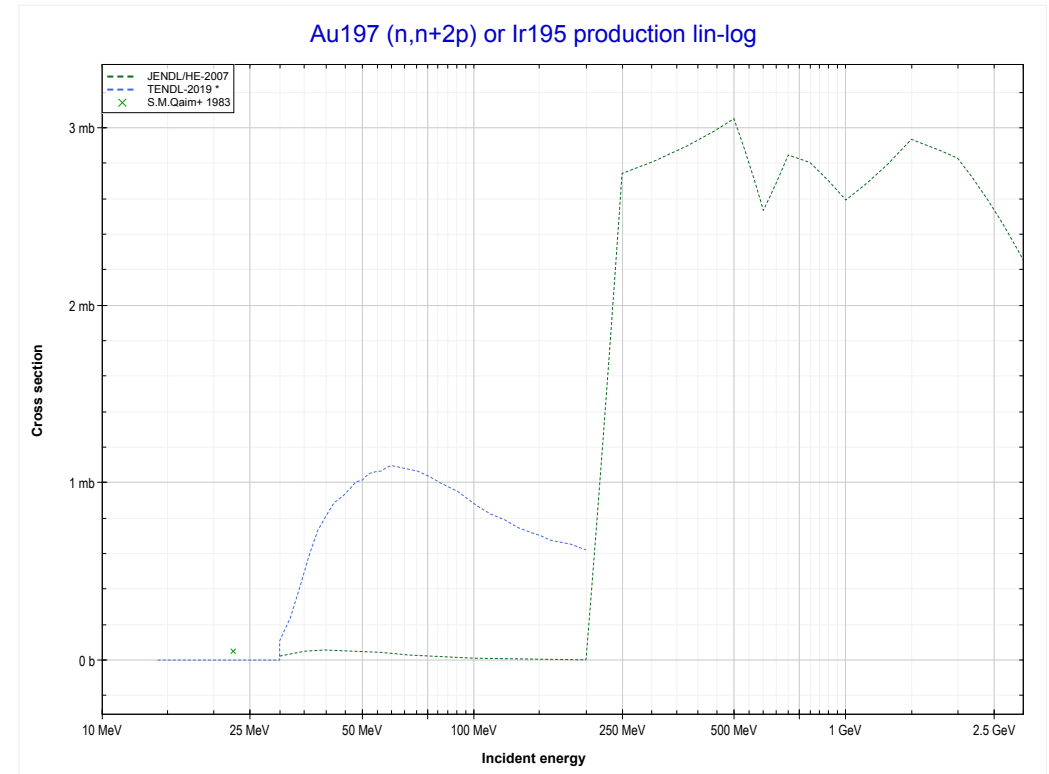
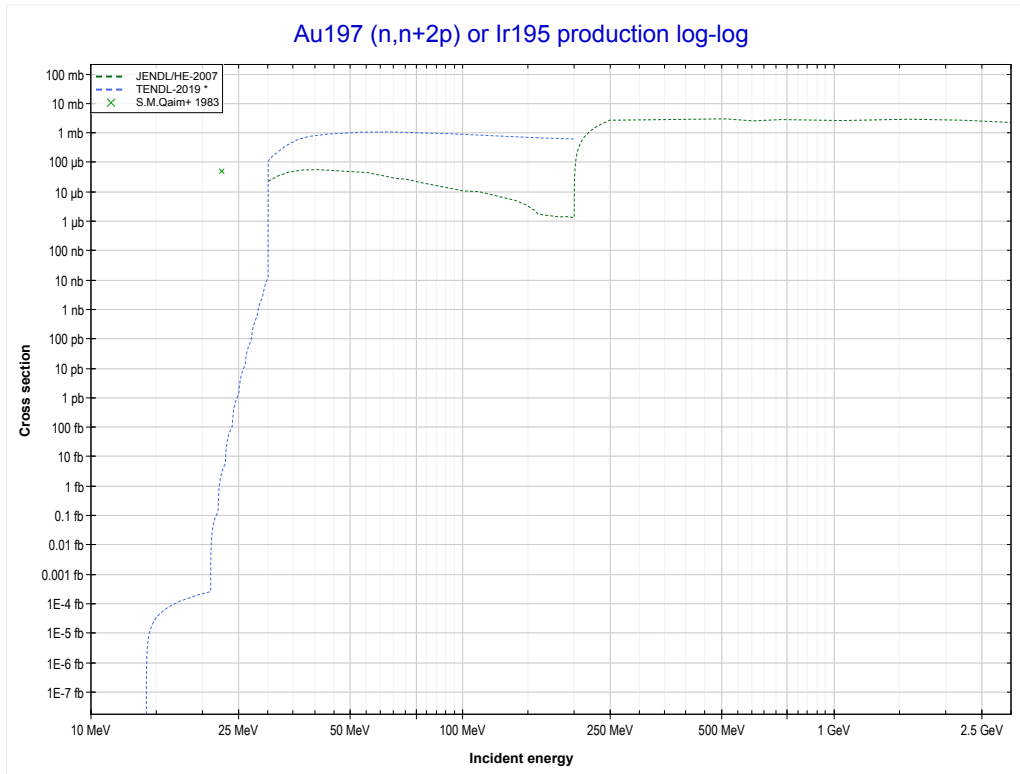
| Reaction | Q-Value |
|---------------------|---------------|
| Au197(n,α)Ir194 | 7038.40 keV |
| Au197(n,p+t)Ir194 | -12775.46 keV |
| Au197(n,n+He3)Ir194 | -13539.22 keV |
| Au197(n,2d)Ir194 | -16808.13 keV |
| Au197(n,n+p+d)Ir194 | -19032.69 keV |
| Au197(n,2n+2p)Ir194 | -21257.26 keV |

| | | |
|--------------------------------|--|------------------|
| << 77-Ir-191 | 79-Au-197 | 81-Tl-203 >> |
| << MT34 (n,n+ ³ He) | MT37 (n,4n) or MT5 (Au194 production) | MT44 (n,n+2p) >> |



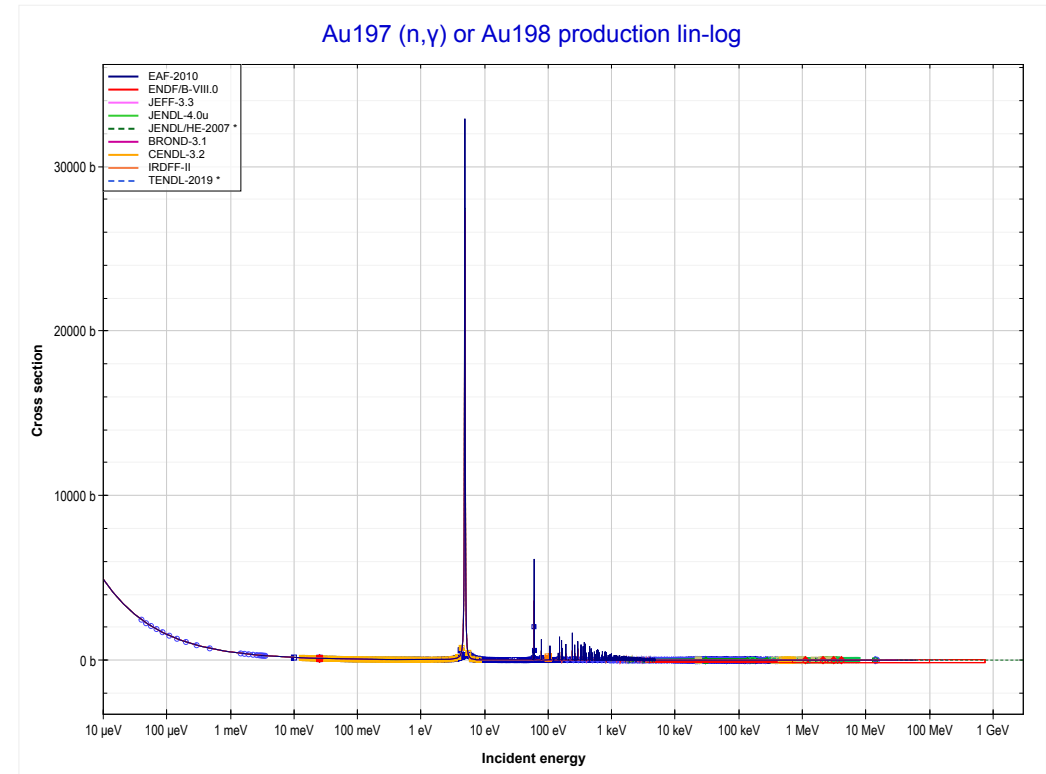
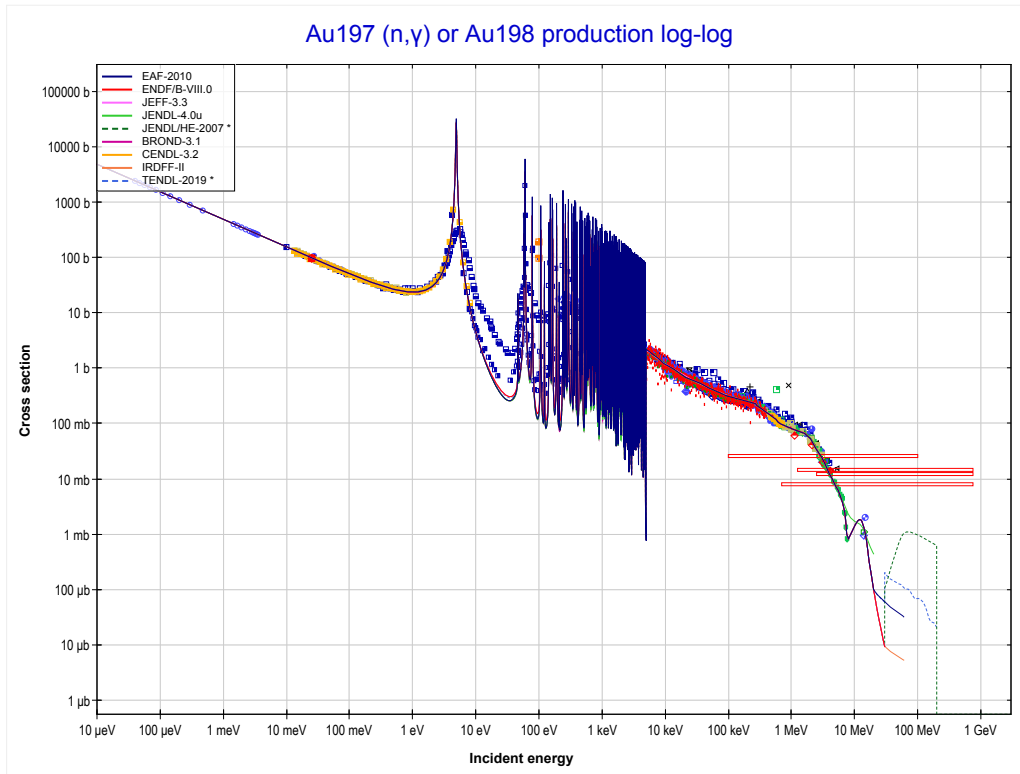
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 74-W-186 | 79-Au-197 | |
| << MT37 (n,4n) | MT44 (n,n+2p) or MT5 (Ir195 production) | MT102 (n, γ) >> |



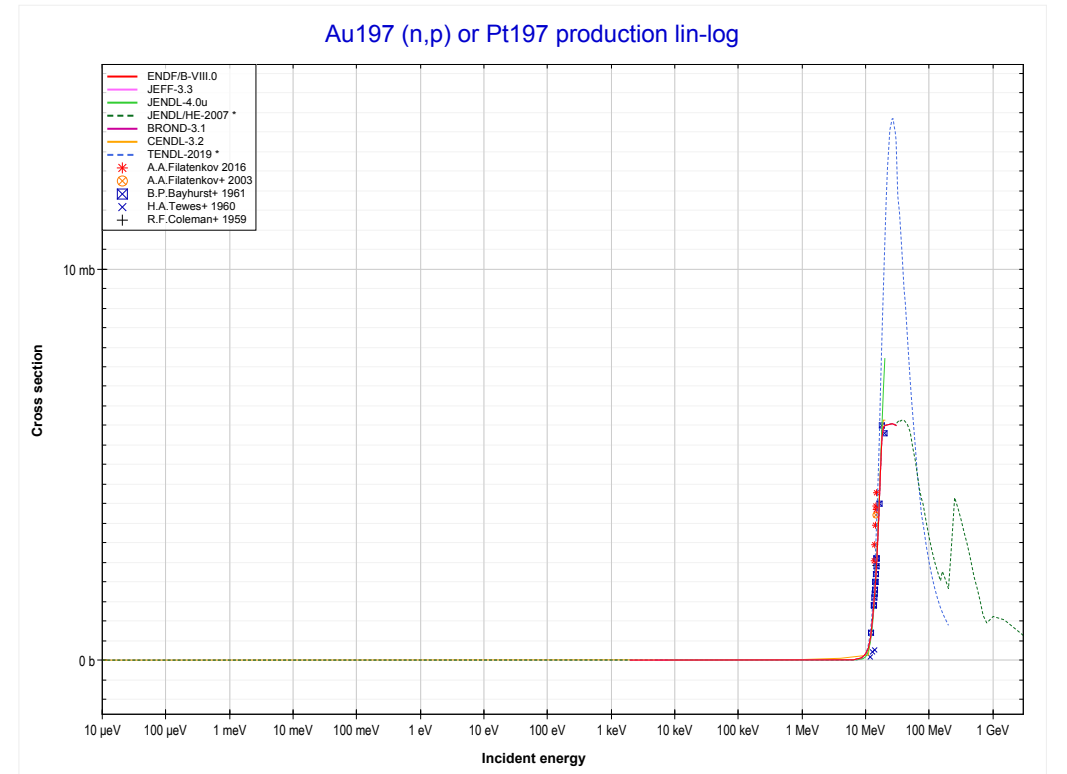
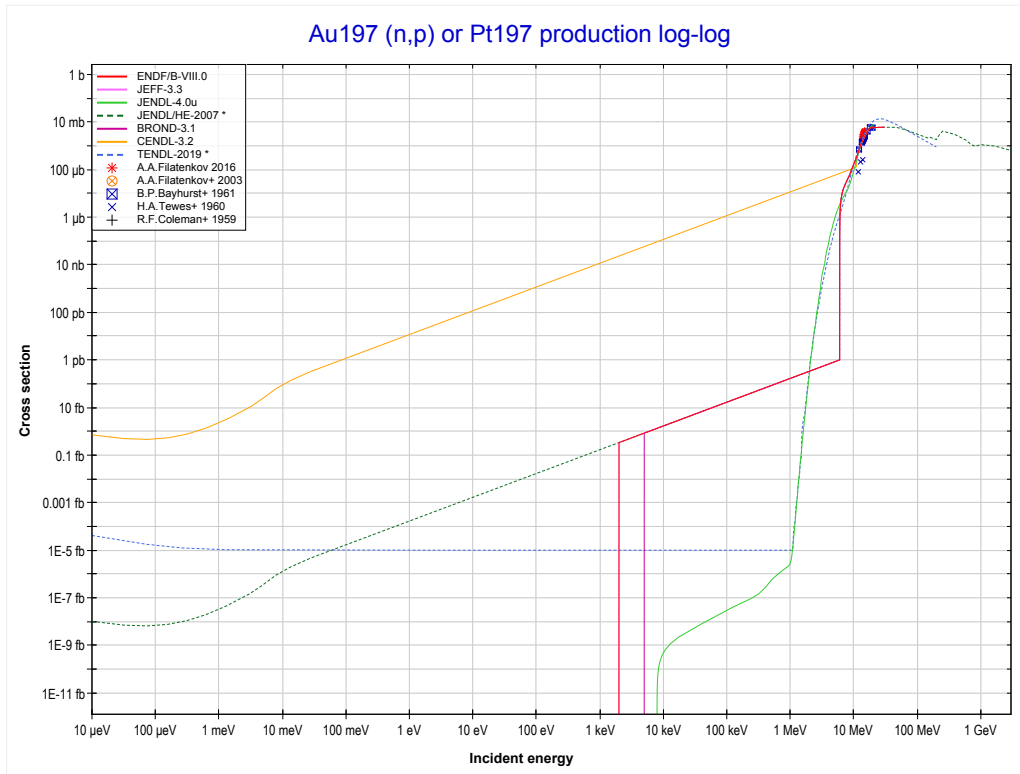
| Reaction | Q-Value |
|--------------------|---------------|
| Au197(n,He3)Ir195 | -6307.30 keV |
| Au197(n,p+d)Ir195 | -11800.78 keV |
| Au197(n,n+2p)Ir195 | -14025.34 keV |

| | | |
|------------------|--|----------------|
| << 78-Pt-199 | 79-Au-197 | 79-Au-198 >> |
| << MT44 (n,n+2p) | MT102 (n,γ) or MT5 (Au198 production) | MT103 (n,p) >> |



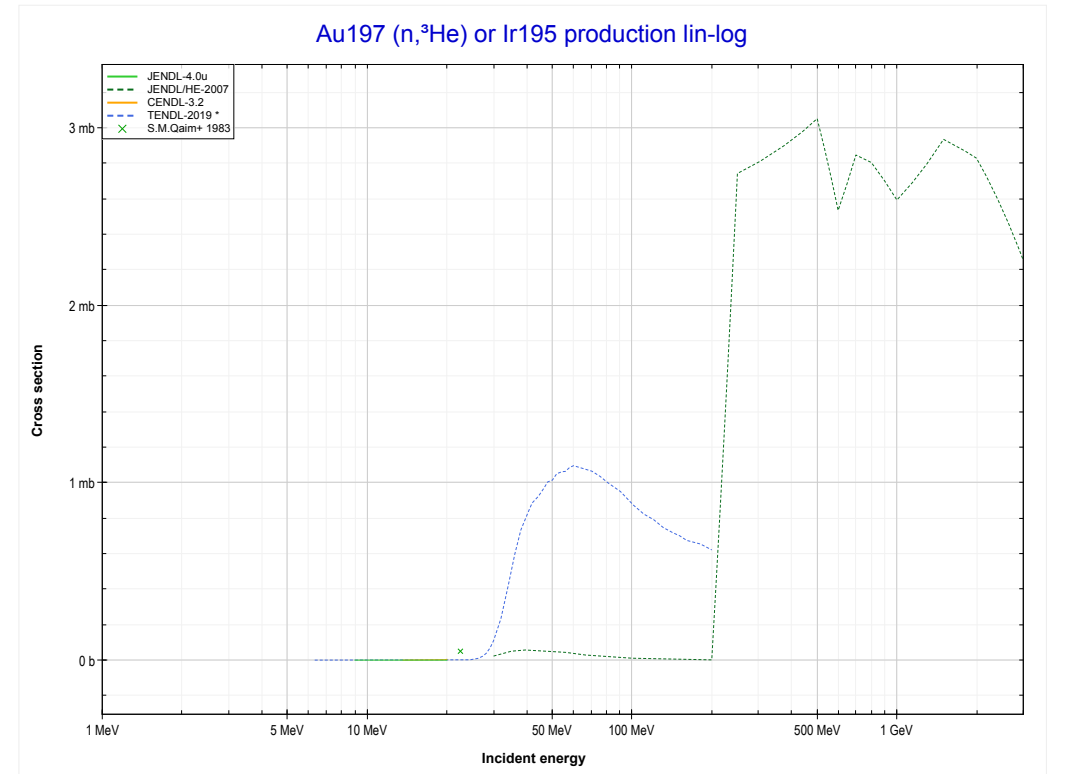
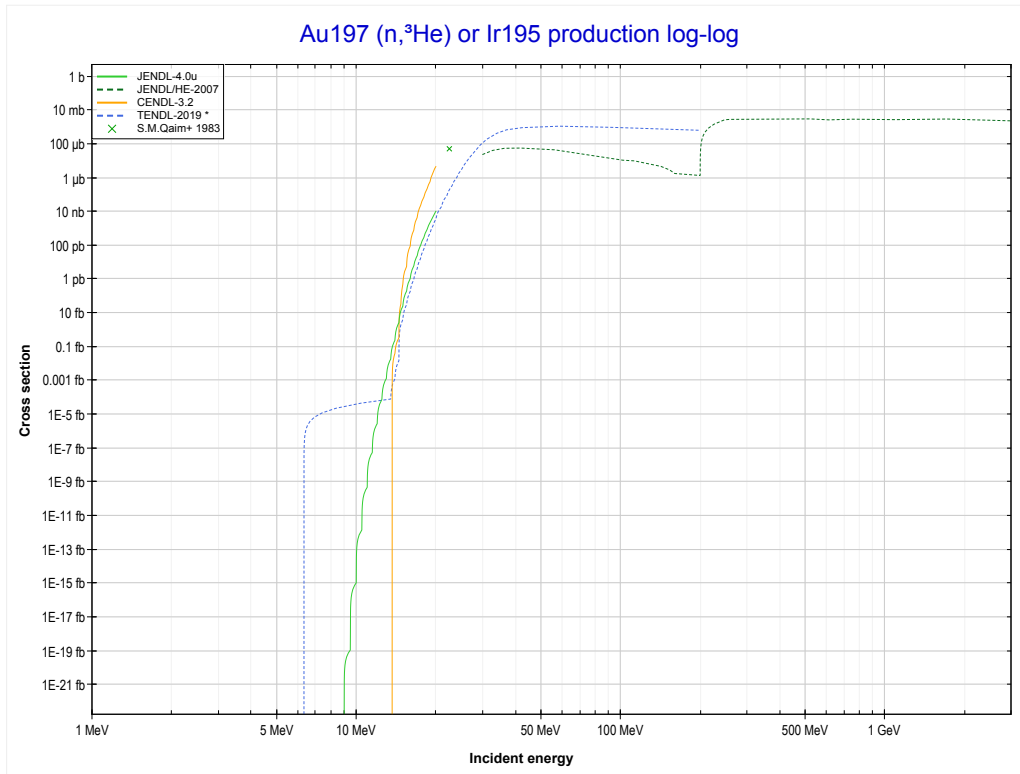
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 98.708 b | 98.6391 b | 99.151 b | 1.00525 | 1561.93 b | 0.0778411 b | 0.00132 b |
| ENDF/B-VIII.0 | 98.7026 b | 98.7026 b | 99.218 b | 1.00522 | 1545.31 b | 0.078615 b | 0.00132 b |
| JEFF-3.3 | 98.7026 b | 98.7026 b | 99.218 b | 1.00522 | 1545.48 b | 0.0784813 b | 0.00132 b |
| JENDL-4.0u | 98.6432 b | 98.6432 b | 99.181 b | 1.00545 | 1571.83 b | 0.078745 b | 0.00117957 b |
| JENDL/HE-2007 | 98.718 b | 98.718 b | 99.205 b | 1.00494 | 1562.18 b | 0.077857 b | 0.00132 b |
| BROND-3.1 | 98.6948 b | 98.6948 b | 99.234 b | 1.00546 | 1571.05 b | 0.0784304 b | 0.00132 b |
| CENDL-3.2 | 98.718 b | 98.718 b | 99.205 b | 1.00494 | 1562.19 b | 0.0778647 b | 0.00132 b |
| IRDFF-II | 98.699 b | 98.699 b | 99.197 b | 1.00505 | 1544.5 b | 0.0786205 b | 0.00132 b |
| TENDL-2019 | 98.6817 b | 98.6817 b | 99.159 b | 1.00483 | 1543.97 b | 0.0784371 b | 0.00132 b |

| | | |
|-------------------------|--|------------------------------|
| << 78-Pt-196 | 79-Au-197 | 80-Hg-196 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pt197 production) | MT106 (n, ^3He) >> |



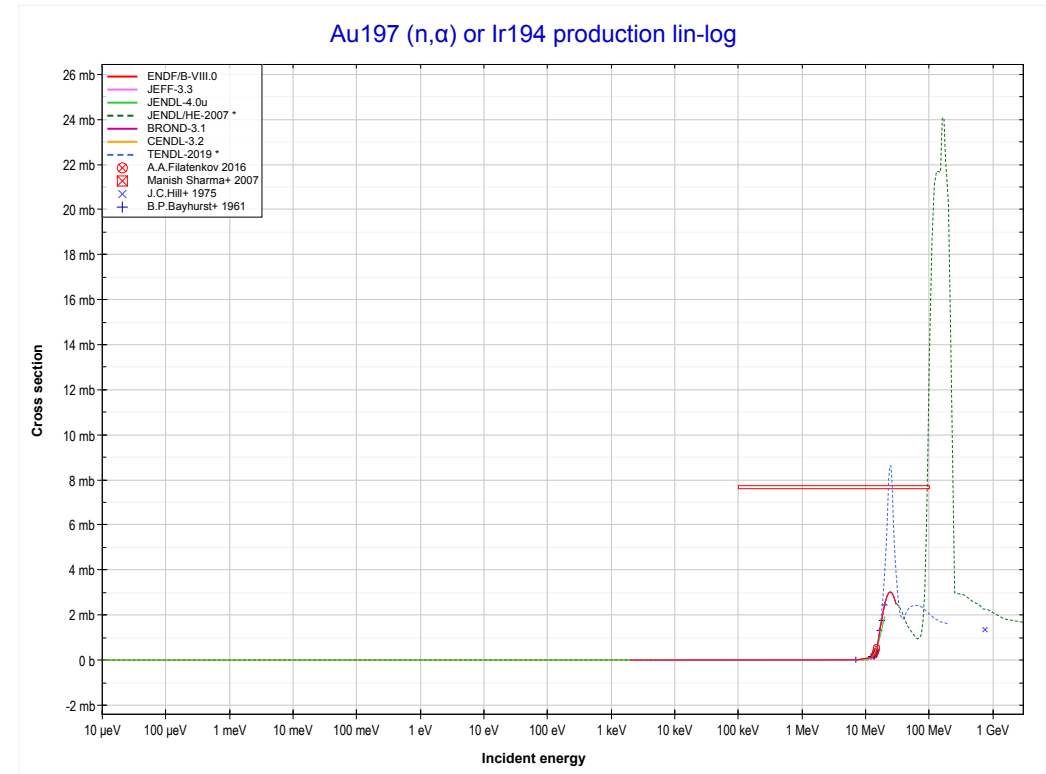
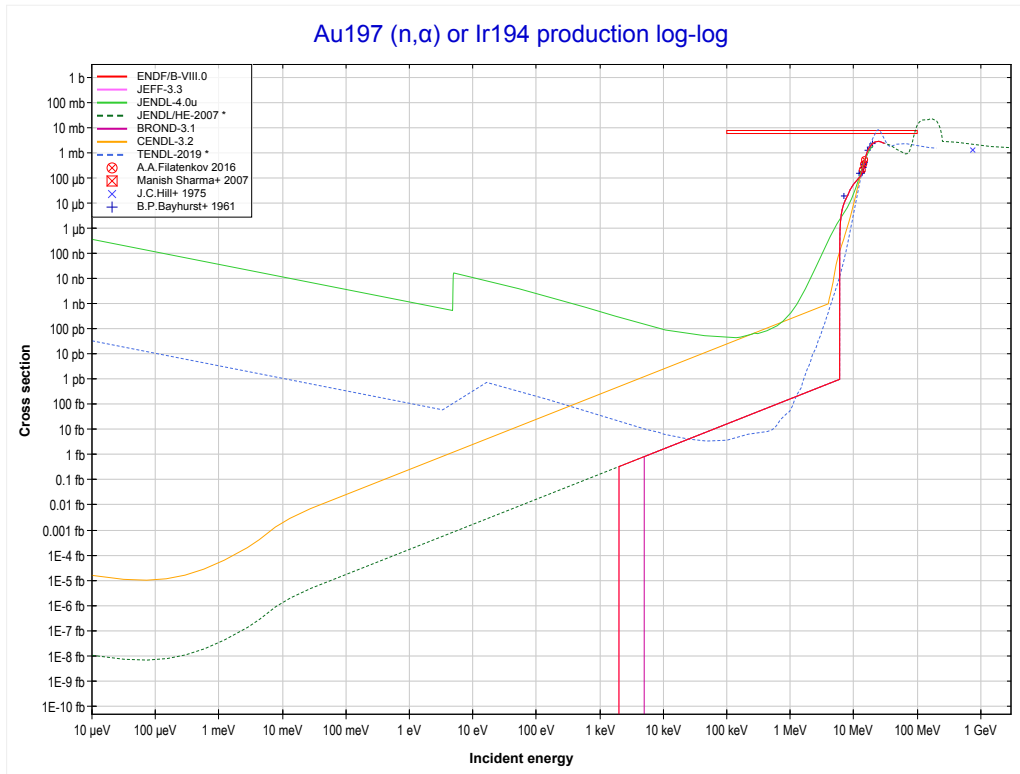
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.63333E-14 b | 1.94622E-6 b | 0.0018 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.63333E-14 b | 1.94622E-6 b | 0.0018 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 1.99587E-23 b | 1.43204E-6 b | 0.0017382 b |
| JENDL/HE-2007 | 4.2552E-21 b | 4.2552E-21 b | 9.508E-21 b | 0 | 1.66666E-14 b | 1.94622E-6 b | 0.0018 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.58333E-14 b | 1.94622E-6 b | 0.0018 b |
| CENDL-3.2 | 2.9375E-13 b | 2.9375E-13 b | 6.5636E-13 b | 2.23442 | 1.15054E-6 b | 2.40818E-5 b | 0.001815 b |
| TENDL-2019 | 1.0026E-20 b | 1.0026E-20 b | 1.1313E-20 b | 1.12838 | 1.22068E-19 b | 1.98224E-6 b | 0.00245978 b |

| | | |
|----------------|---|----------------|
| << 75-Re-187 | 79-Au-197 | 81-Tl-205 >> |
| << MT103 (n,p) | MT106 (n,³He) or MT5 (Ir195 production) | MT107 (n,α) >> |



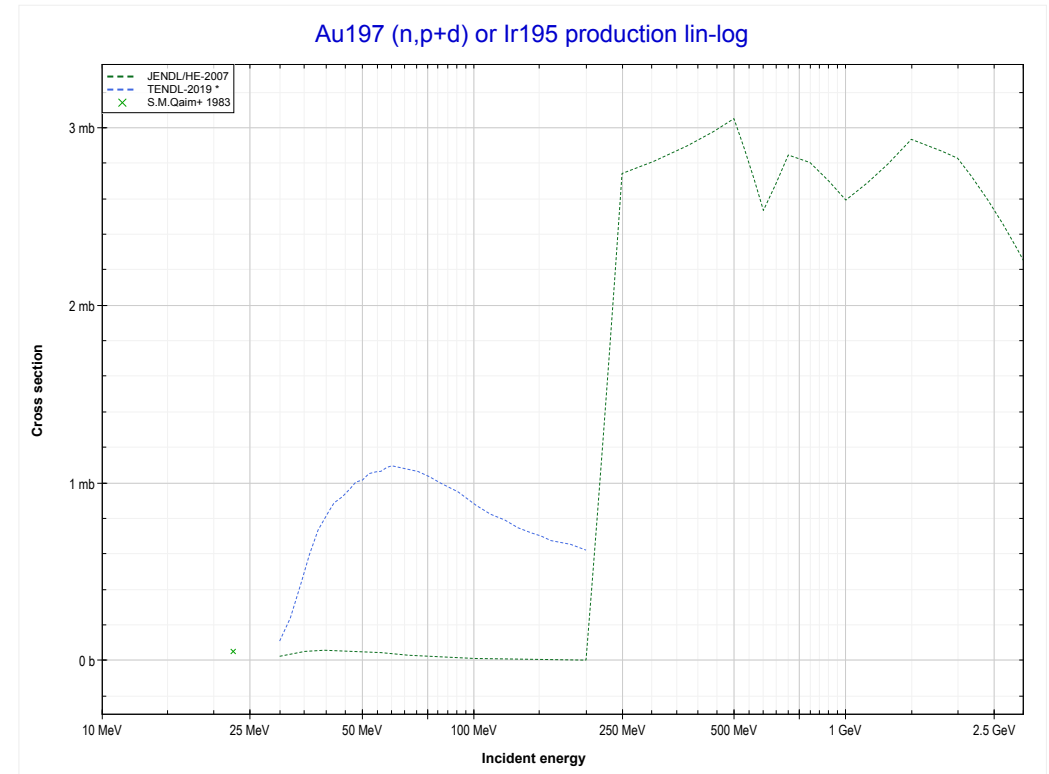
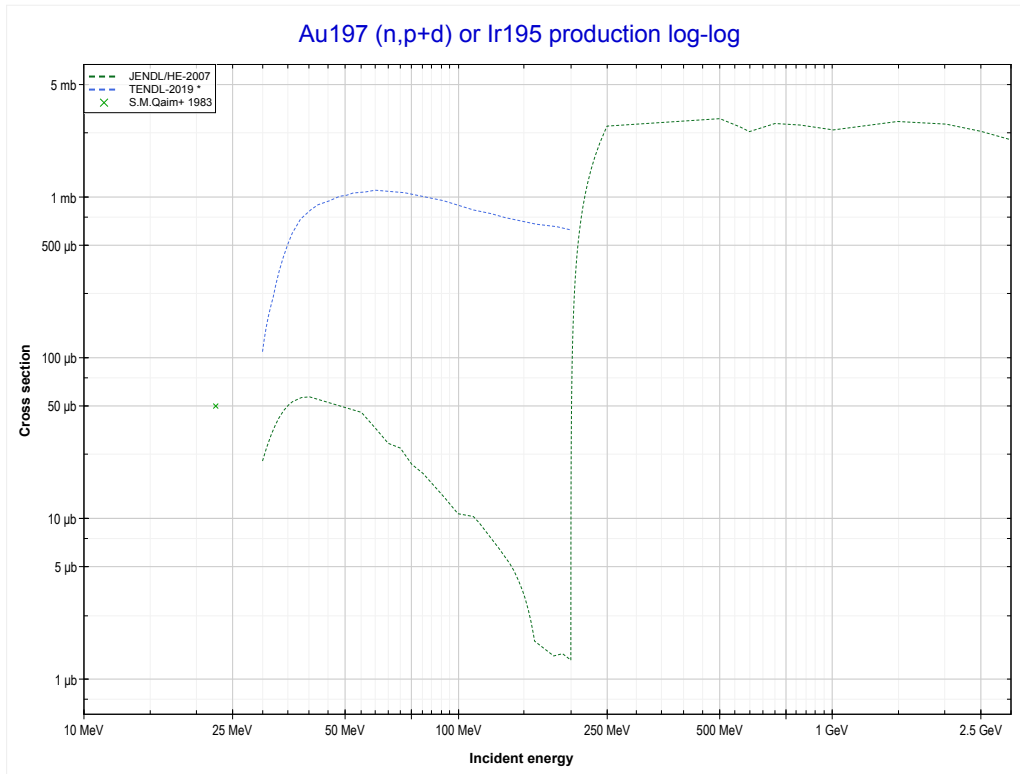
| Reaction | Q-Value |
|--------------------|---------------|
| Au197(n,He3)Ir195 | -6307.30 keV |
| Au197(n,p+d)Ir195 | -11800.78 keV |
| Au197(n,n+2p)Ir195 | -14025.34 keV |

| | | |
|-------------------------------|--|------------------|
| << 78-Pt-198 | 79-Au-197 | 80-Hg-200 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Ir194 production) | MT115 (n,p+d) >> |



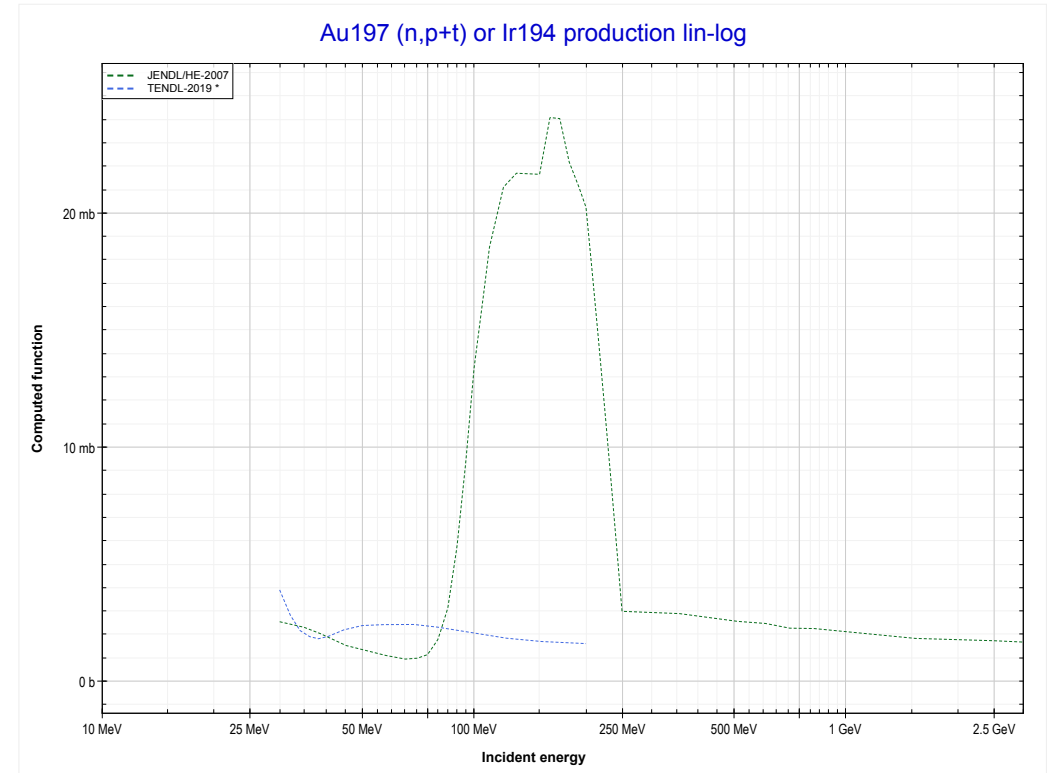
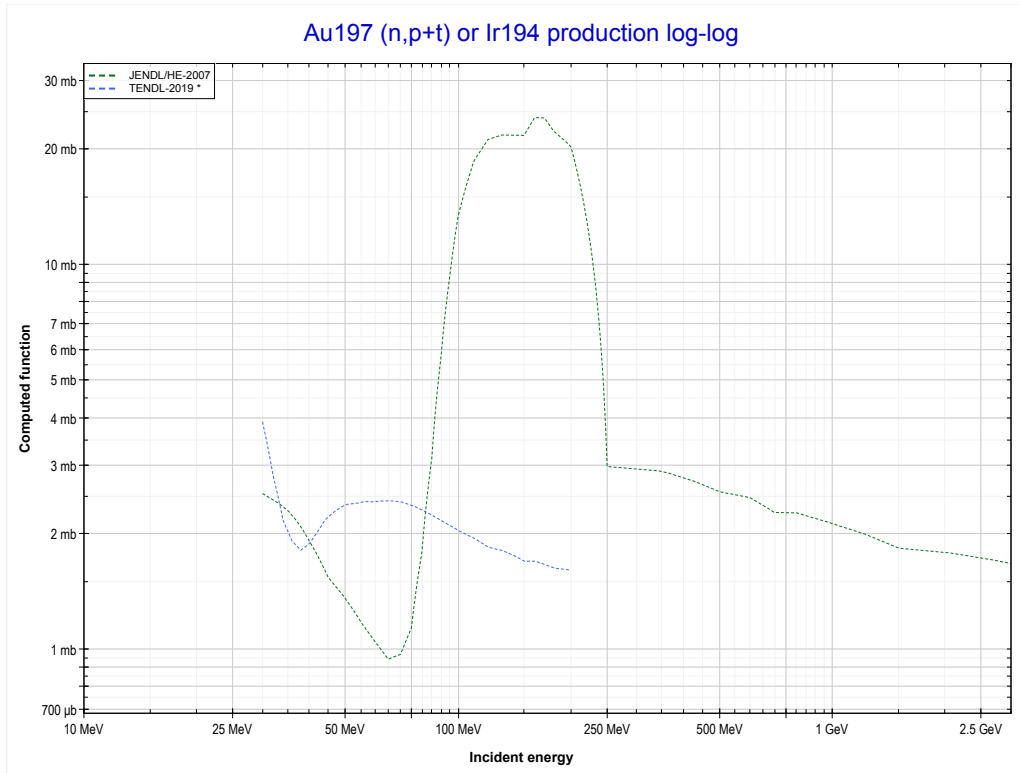
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.63333E-14 b | 6.36538E-7 b | 2.5E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 1.63333E-14 b | 6.36536E-7 b | 2.5E-4 b |
| JENDL-4.0u | 7.45591E-9 b | 7.45591E-9 b | 7.4591E-9 b | 1.00043 | 3.03316E-8 b | 4.66475E-7 b | 3.19994E-4 b |
| JENDL/HE-2007 | 4.2552E-21 b | 4.2552E-21 b | 9.5081E-21 b | 0 | 1.66671E-14 b | 6.36538E-7 b | 2.5E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.58333E-14 b | 6.36536E-7 b | 2.5E-4 b |
| CENDL-3.2 | 6.463E-18 b | 6.463E-18 b | 1.4441E-17 b | 2.23442 | 2.53151E-11 b | 2.08882E-7 b | 3.2954E-4 b |
| TENDL-2019 | 6.807E-13 b | 6.807E-13 b | 6.8064E-13 b | 0.99991 | 1.69116E-12 b | 1.60546E-7 b | 2.98142E-4 b |

| | | |
|-------------------------|--|------------------|
| << 74-W-186 | 79-Au-197 | |
| << MT107 (n, α) | MT115 (n,p+d) or MT5 (Ir195 production) | MT116 (n,p+t) >> |



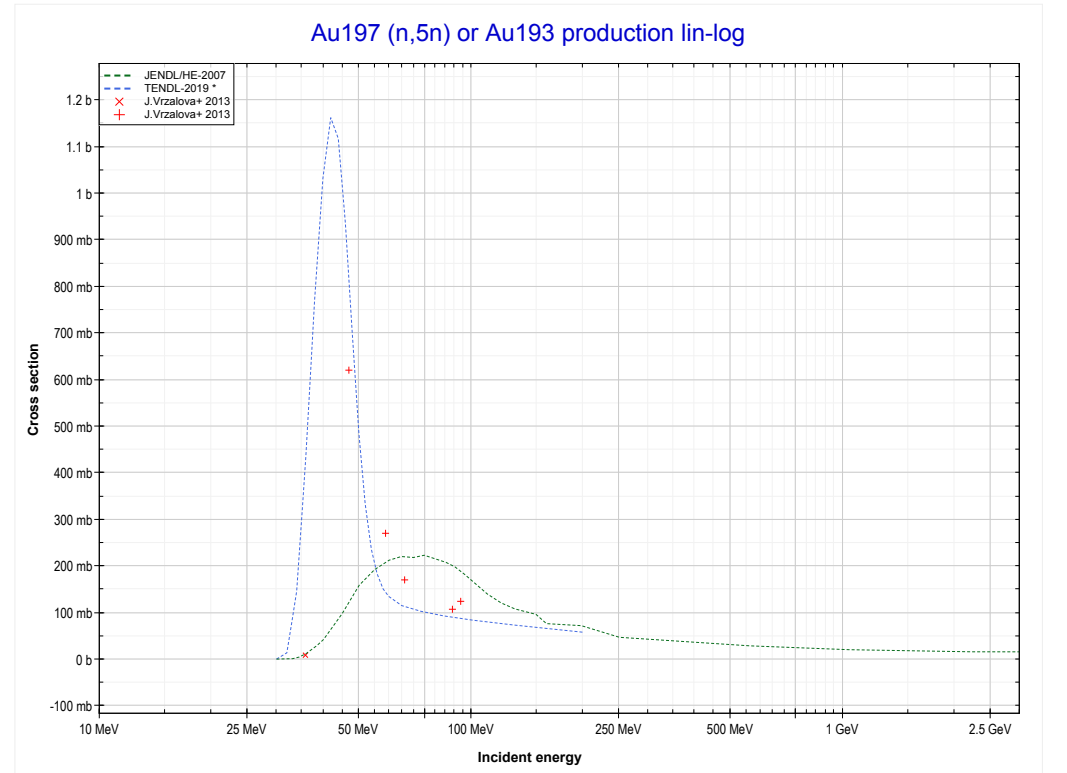
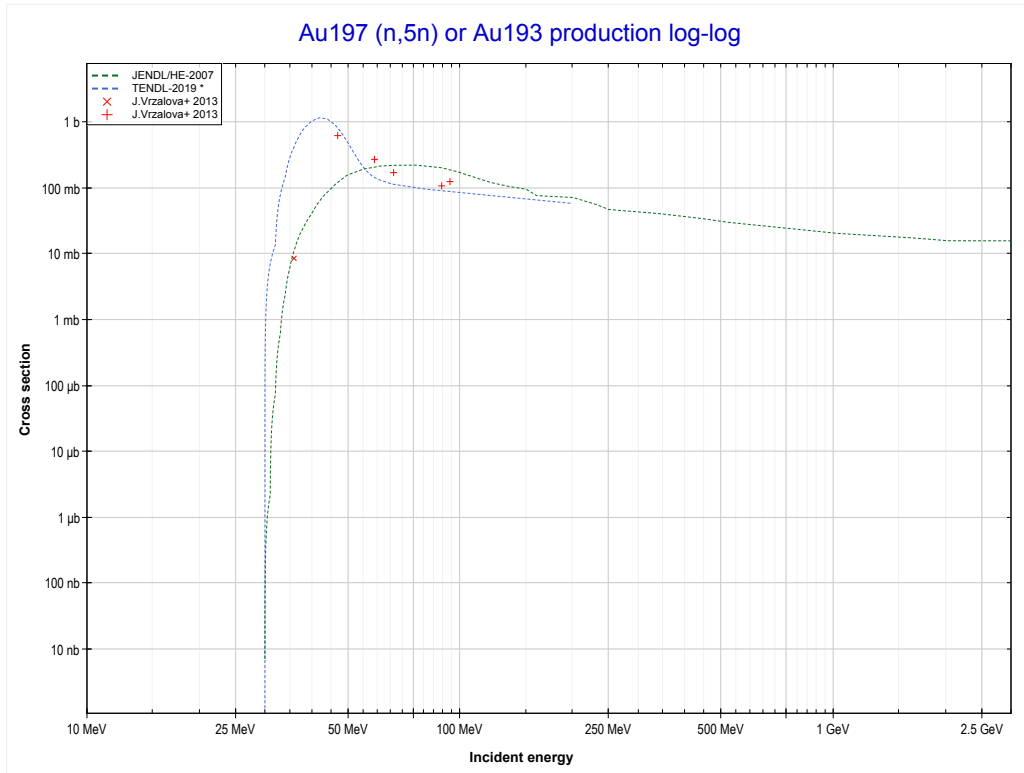
| Reaction | Q-Value |
|--------------------|---------------|
| Au197(n,He3)Ir195 | -6307.30 keV |
| Au197(n,p+d)Ir195 | -11800.78 keV |
| Au197(n,n+2p)Ir195 | -14025.34 keV |

| | | |
|------------------|--|-----------------|
| << 74-W-186 | 79-Au-197 | |
| << MT115 (n,p+d) | MT116 (n,p+t) or MT5 (Ir194 production) | MT152 (n,5n) >> |



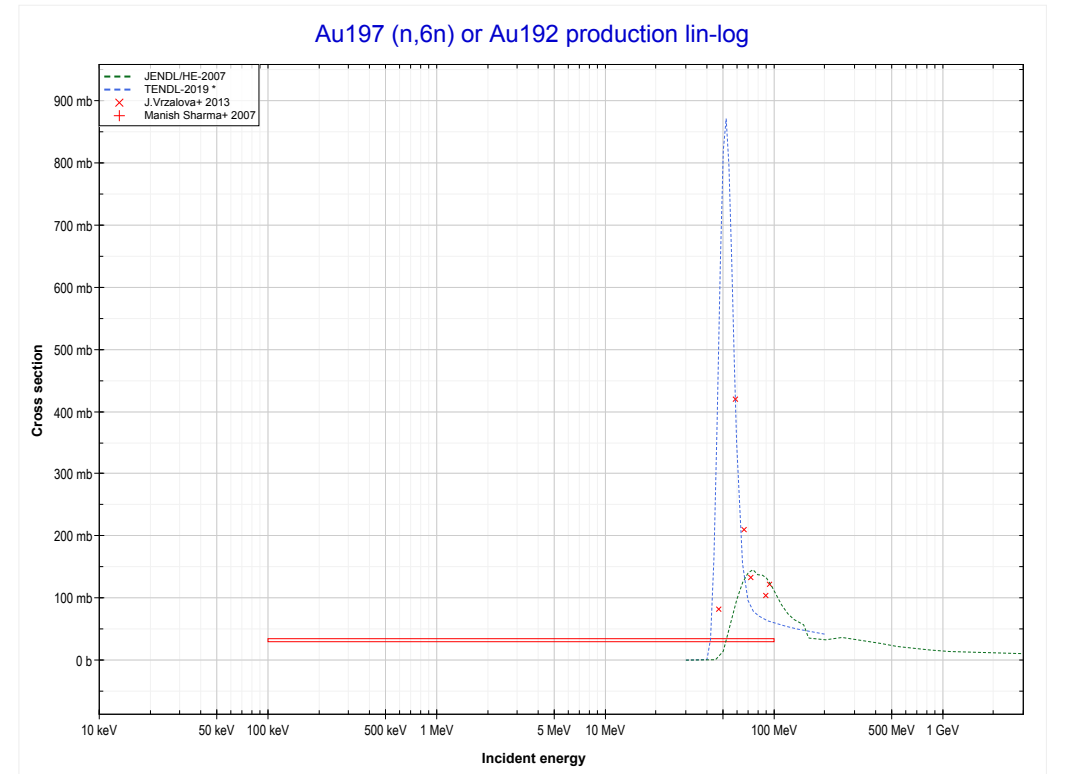
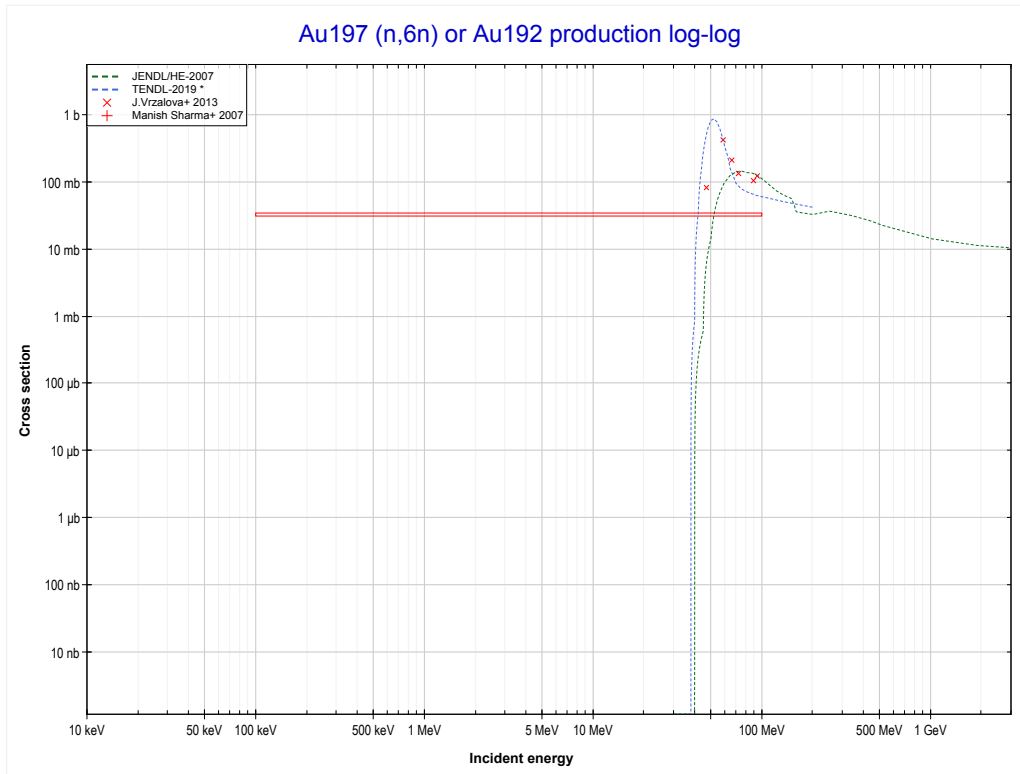
| Reaction | Q-Value |
|---------------------|---------------|
| Au197(n,α)Ir194 | 7038.40 keV |
| Au197(n,p+t)Ir194 | -12775.46 keV |
| Au197(n,n+He3)Ir194 | -13539.22 keV |
| Au197(n,2d)Ir194 | -16808.13 keV |
| Au197(n,n+p+d)Ir194 | -19032.69 keV |
| Au197(n,2n+2p)Ir194 | -21257.26 keV |

| | | |
|------------------|---|-----------------|
| << 73-Ta-181 | 79-Au-197 | 83-Bi-209 >> |
| << MT116 (n,p+t) | MT152 (n,5n) or MT5 (Au193 production) | MT153 (n,6n) >> |



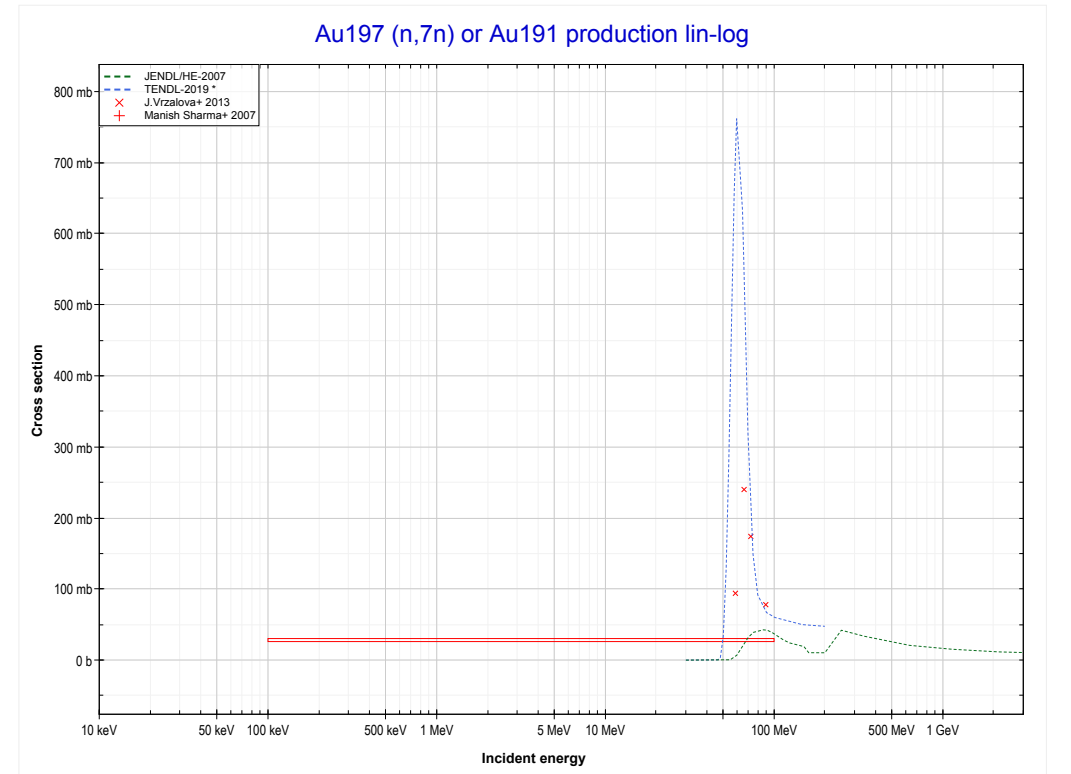
| Reaction | Q-Value |
|------------------|---------------|
| Au197(n,5n)Au193 | -30019.97 keV |

| | | |
|-----------------|---|-----------------|
| << 73-Ta-181 | 79-Au-197 | 83-Bi-209 >> |
| << MT152 (n,5n) | MT153 (n,6n) or MT5 (Au192 production) | MT160 (n,7n) >> |



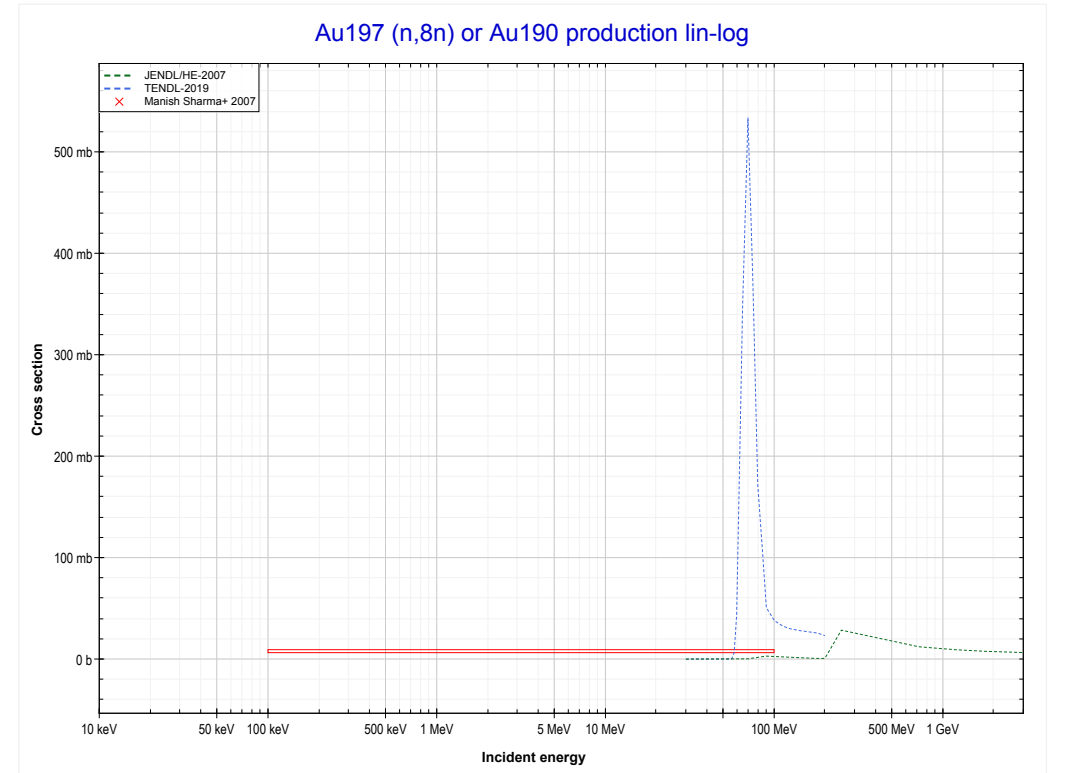
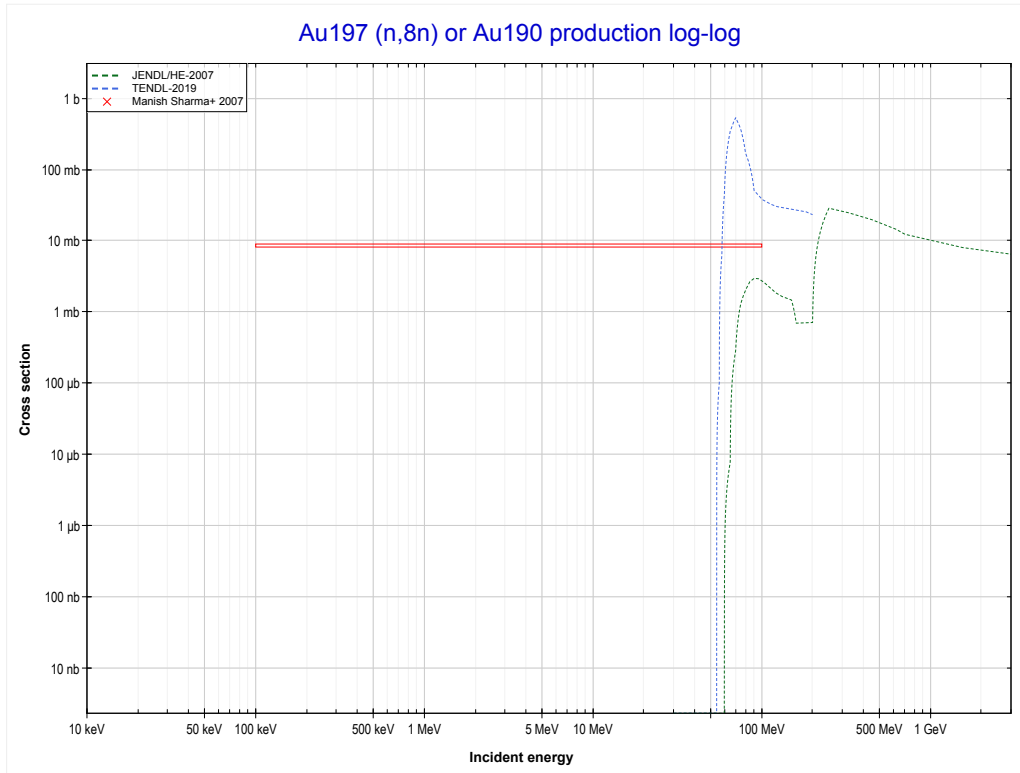
| Reaction | Q-Value |
|------------------|---------------|
| Au197(n,6n)Au192 | -38724.29 keV |

| | | |
|---------------------------------------|---|---------------------------------------|
| | 79-Au-197 | 83-Bi-209 >> |
| << MT153 (n,6n) | MT160 (n,7n) or MT5 (Au191 production) | MT161 (n,8n) >> |



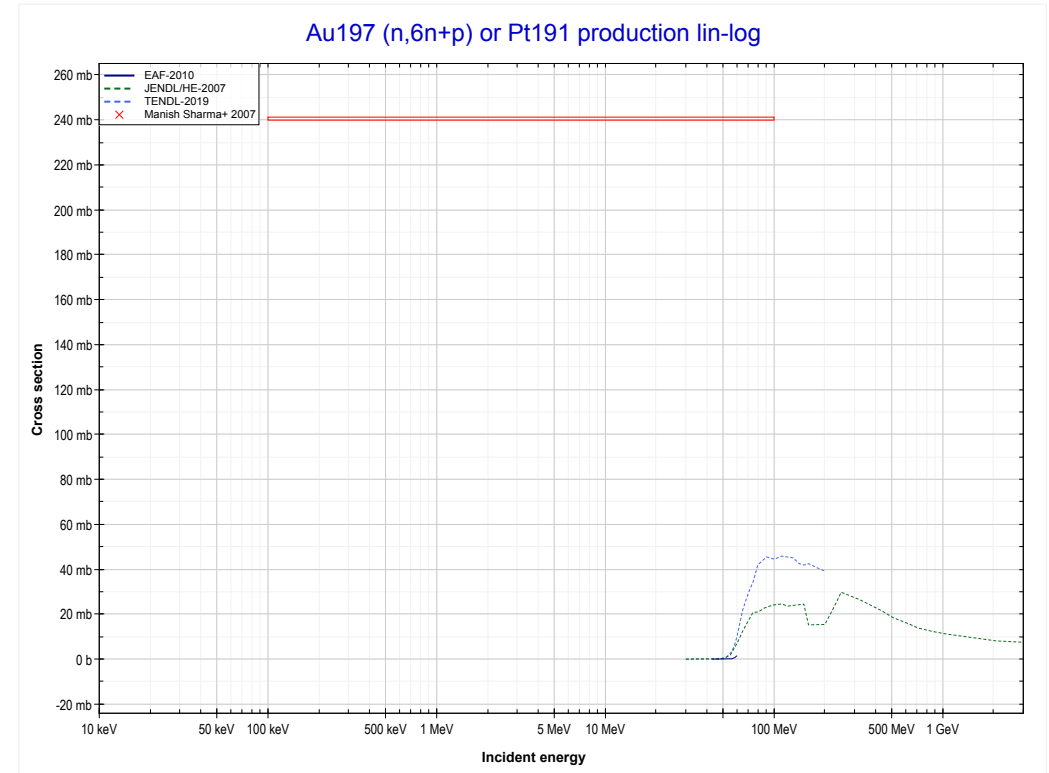
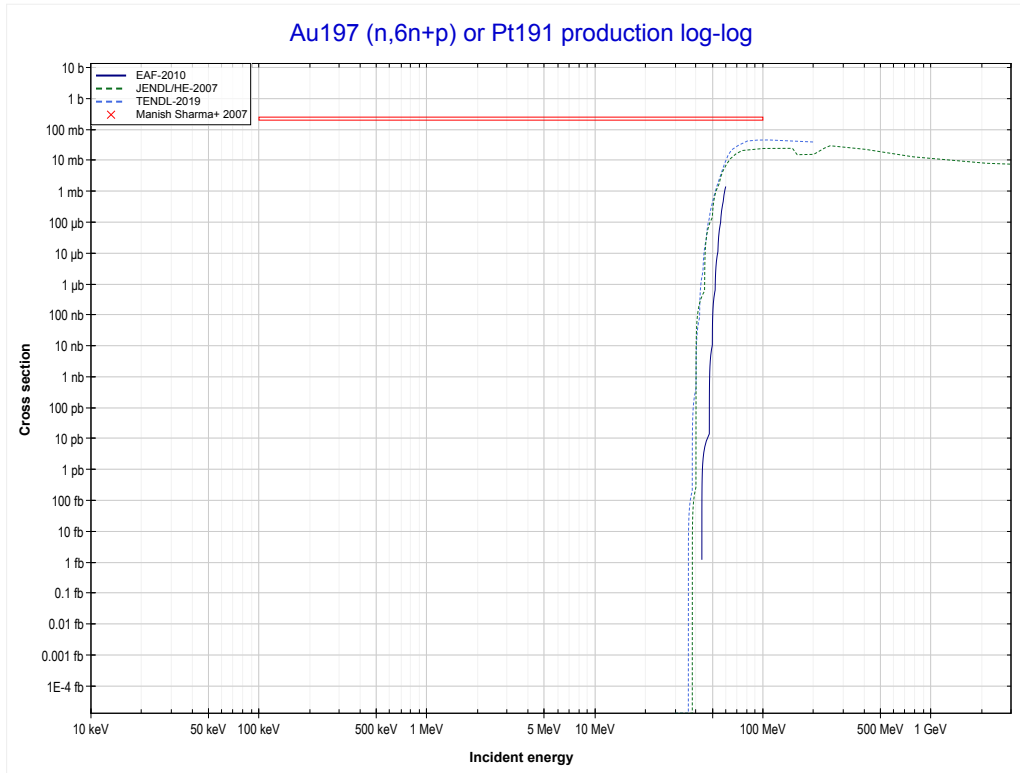
| Reaction | Q-Value |
|------------------|---------------|
| Au197(n,7n)Au191 | -45769.60 keV |

| | | |
|-----------------|---|-------------------|
| << 53-I-127 | 79-Au-197 | 83-Bi-209 >> |
| << MT160 (n,7n) | MT161 (n,8n) or MT5 (Au190 production) | MT163 (n,6n+p) >> |



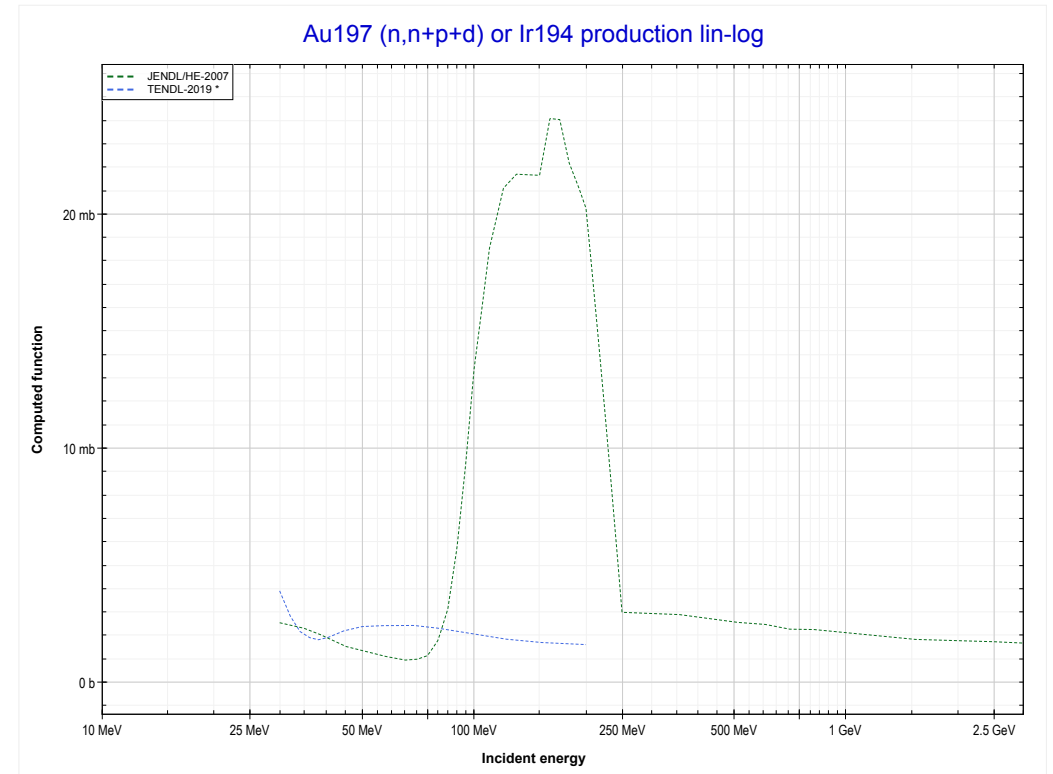
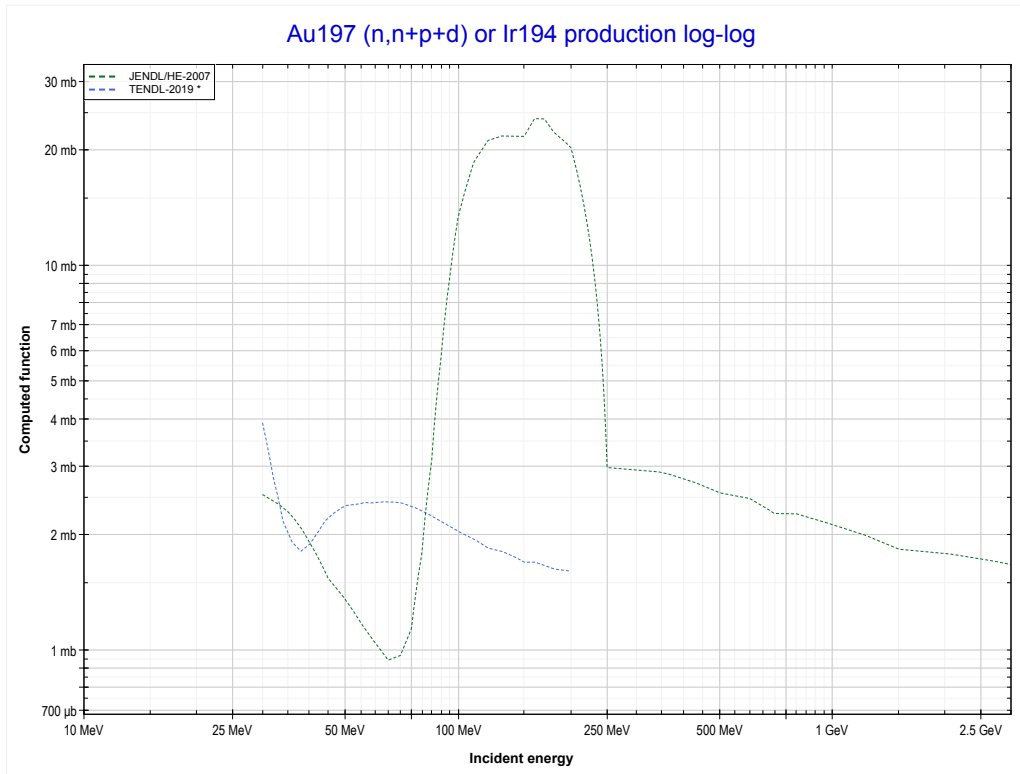
| Reaction | Q-Value |
|------------------|---------------|
| Au197(n,8n)Au190 | -54804.92 keV |

| | | |
|------------------|---|--------------------|
| 79-Au-197 | | |
| << MT161 (n,8n) | MT163 (n,6n+p) or MT5 (Pt191 production) | MT183 (n,n+p+d) >> |



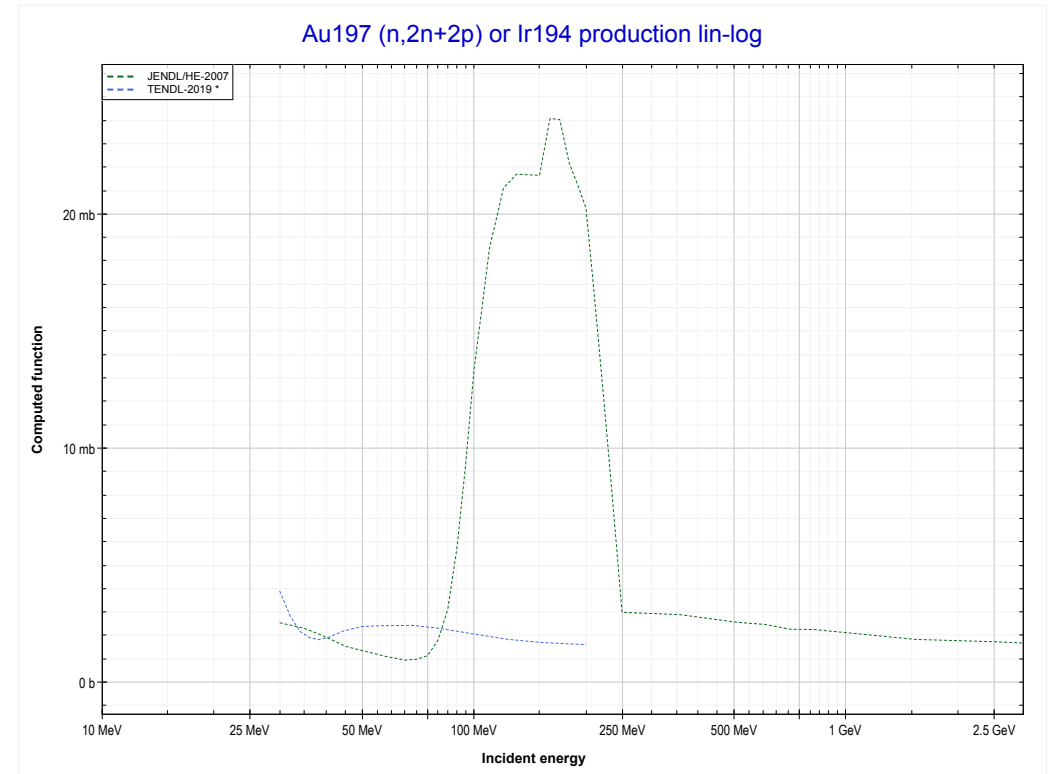
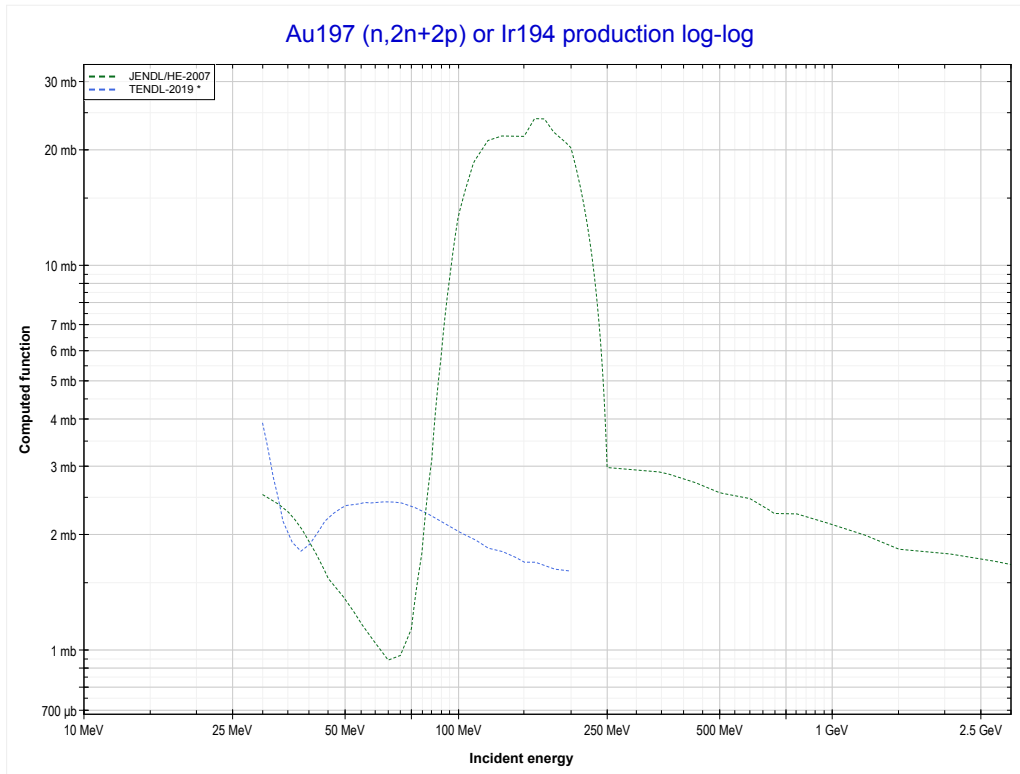
| Reaction | Q-Value |
|--------------------|---------------|
| Au197(n,4n+t)Pt191 | -34605.46 keV |
| Au197(n,5n+d)Pt191 | -40862.69 keV |
| Au197(n,6n+p)Pt191 | -43087.26 keV |

| | | |
|-------------------|--|--------------------|
| << 74-W-186 | 79-Au-197 | |
| << MT163 (n,6n+p) | MT183 (n,n+p+d) or MT5 (Ir194 production) | MT190 (n,2n+2p) >> |



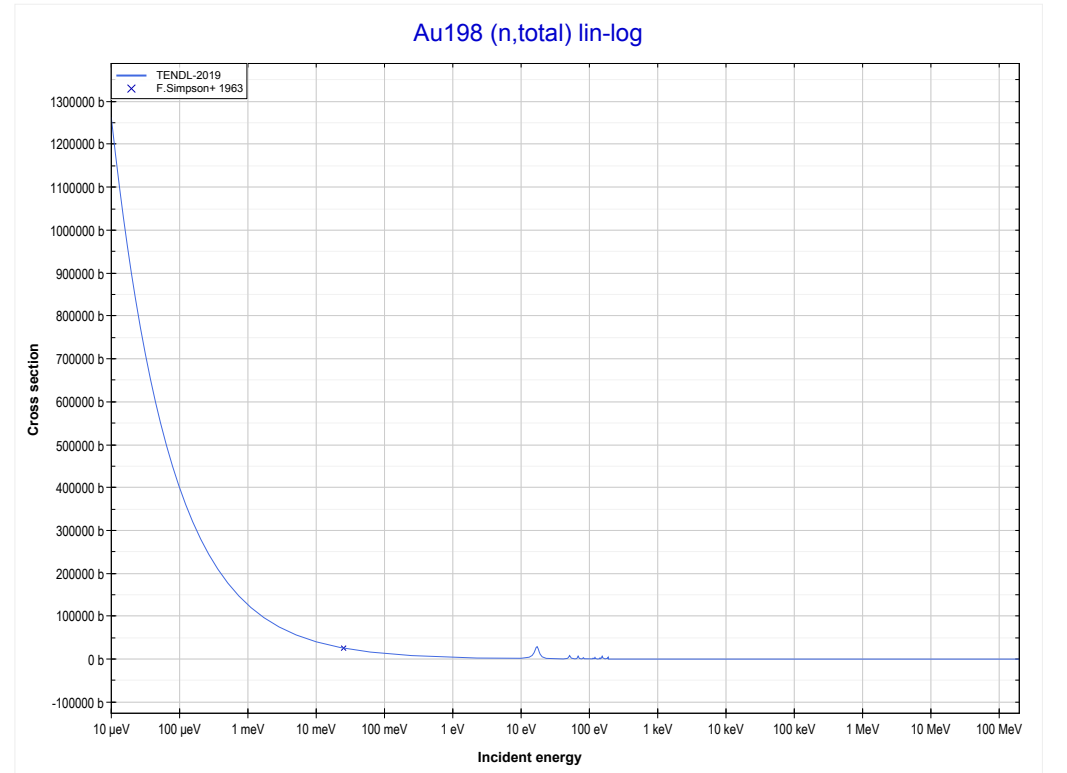
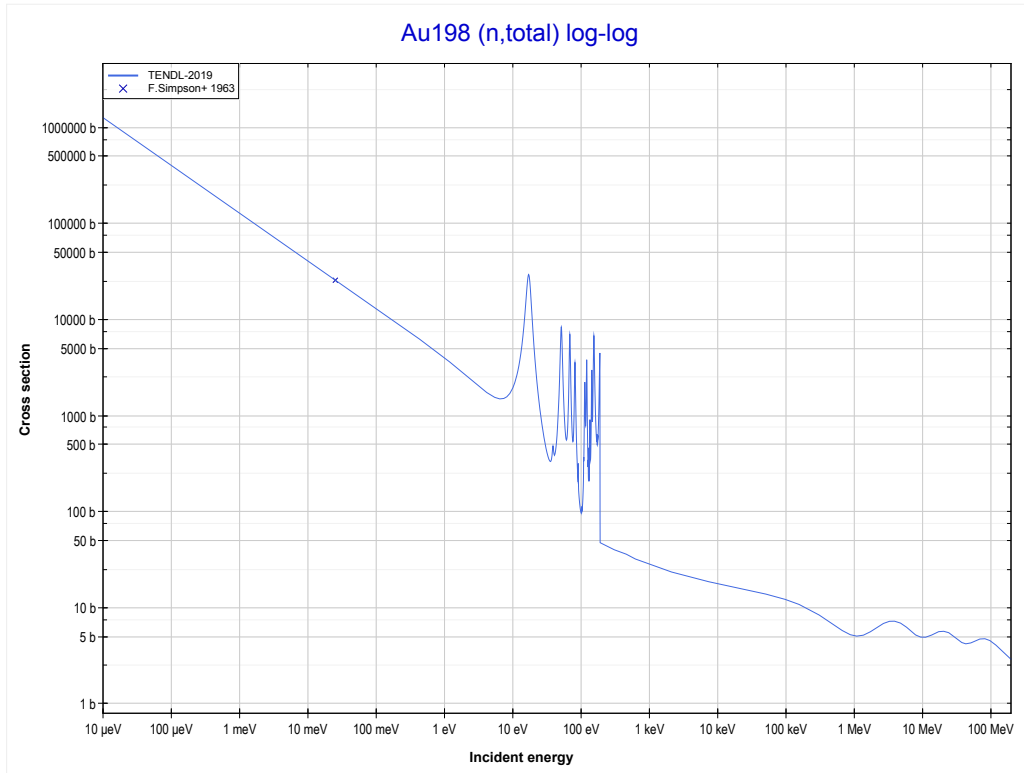
| Reaction | Q-Value |
|---------------------|---------------|
| Au197(n,α)Ir194 | 7038.40 keV |
| Au197(n,p+t)Ir194 | -12775.46 keV |
| Au197(n,n+He3)Ir194 | -13539.22 keV |
| Au197(n,2d)Ir194 | -16808.13 keV |
| Au197(n,n+p+d)Ir194 | -19032.69 keV |
| Au197(n,2n+2p)Ir194 | -21257.26 keV |

| | | |
|--------------------|--|----------------------------|
| << 74-W-186 | 79-Au-197 | |
| << MT183 (n,n+p+d) | MT190 (n,2n+2p) or MT5 (Ir194 production) | 79-Au-198 MT1 (n,total) >> |



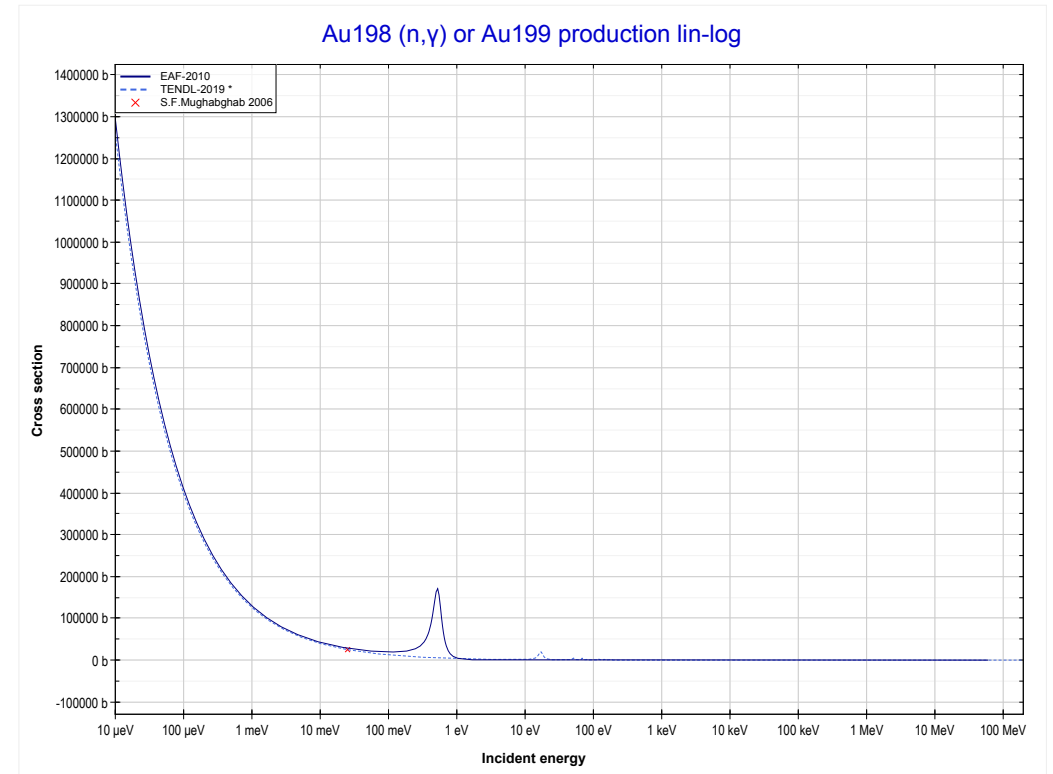
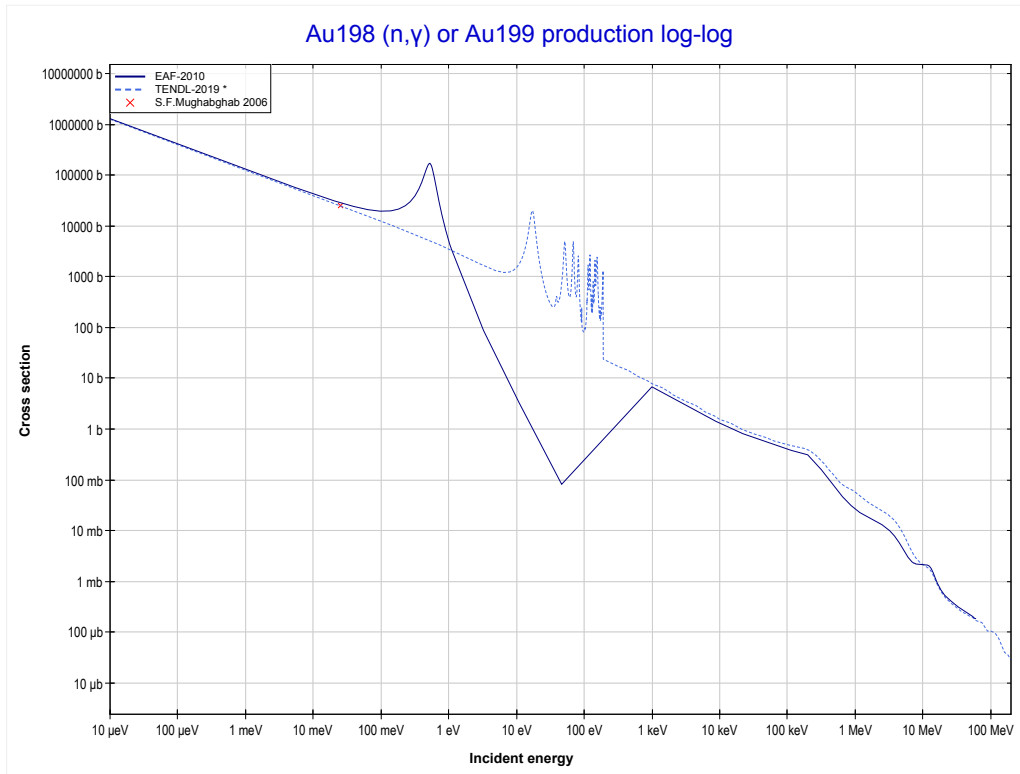
| Reaction | Q-Value |
|---------------------|---------------|
| Au197(n,α)Ir194 | 7038.40 keV |
| Au197(n,p+t)Ir194 | -12775.46 keV |
| Au197(n,n+He3)Ir194 | -13539.22 keV |
| Au197(n,2d)Ir194 | -16808.13 keV |
| Au197(n,n+p+d)Ir194 | -19032.69 keV |
| Au197(n,2n+2p)Ir194 | -21257.26 keV |

| | | |
|------------------------------|----------------------|-------------------------|
| << 79-Au-197 | 79-Au-198 | 80-Hg-Nat >> |
| << 79-Au-197 MT190 (n,2n+2p) | MT1 (n,total) | MT102 (n, γ) >> |



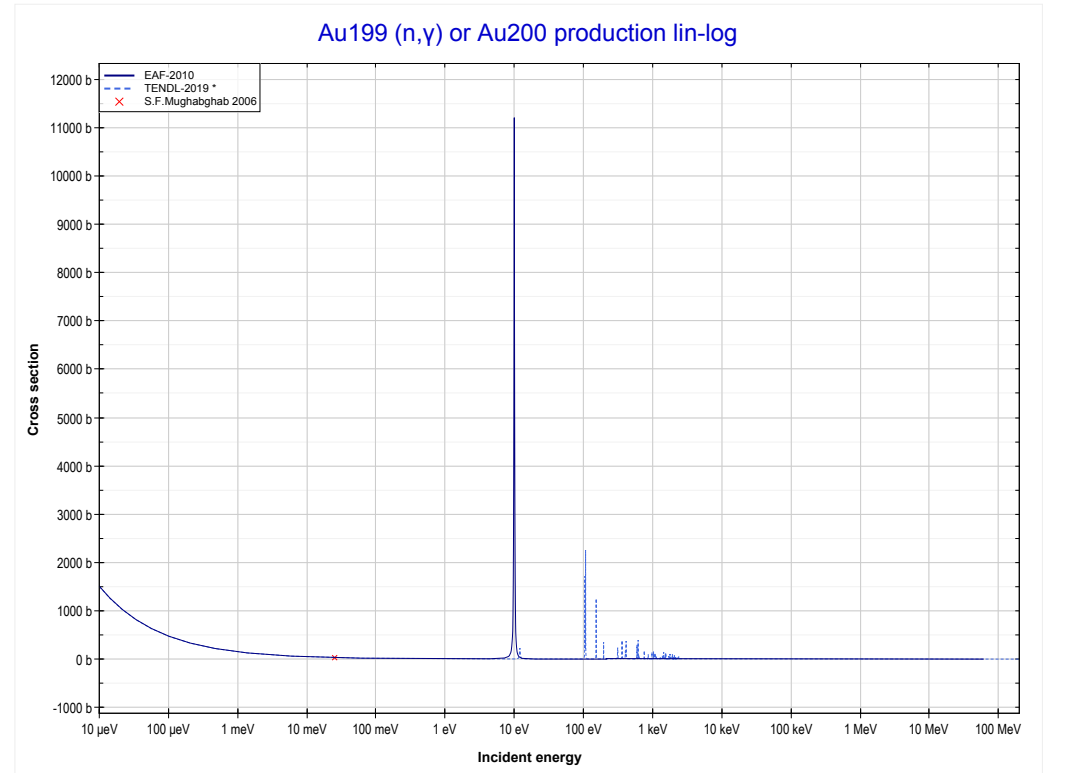
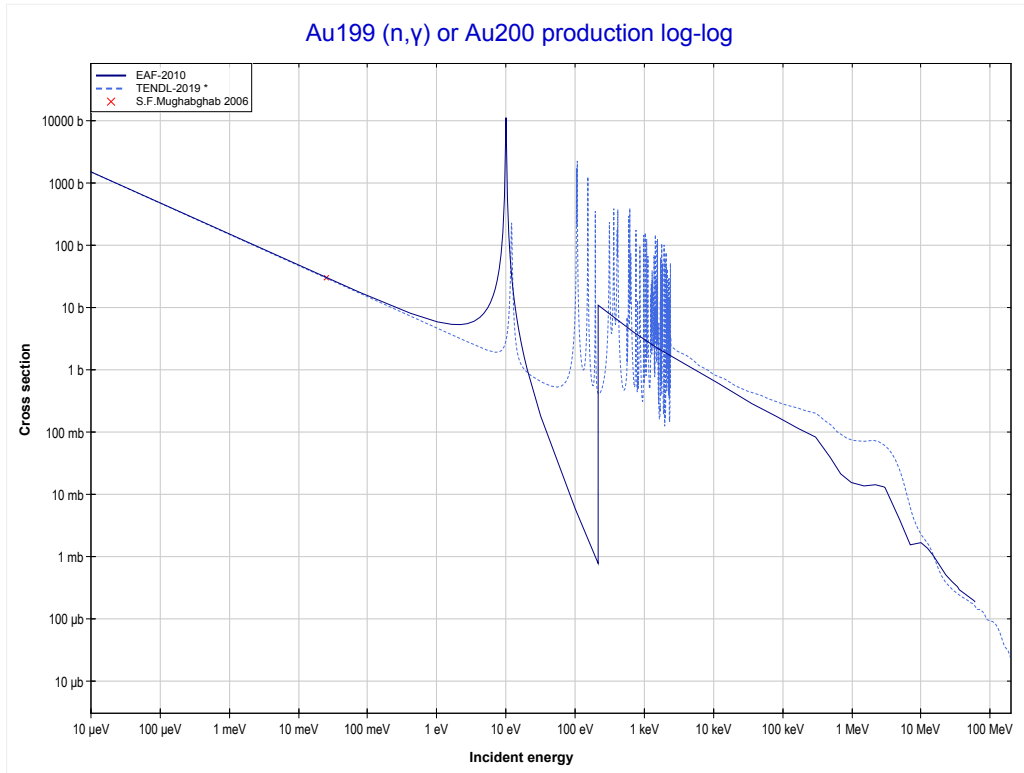
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 25526.8 b | 25526.8 b | 25555 b | 1.00111 | 19116 b | 6.44698 b | 5.21297 b |

| | | |
|------------------|--|-----------------------------------|
| << 79-Au-197 | 79-Au-198 | 79-Au-199 >> |
| << MT1 (n,total) | MT102 (n,γ) or MT5 (Au199 production) | 79-Au-199 MT102 (n, γ) >> |



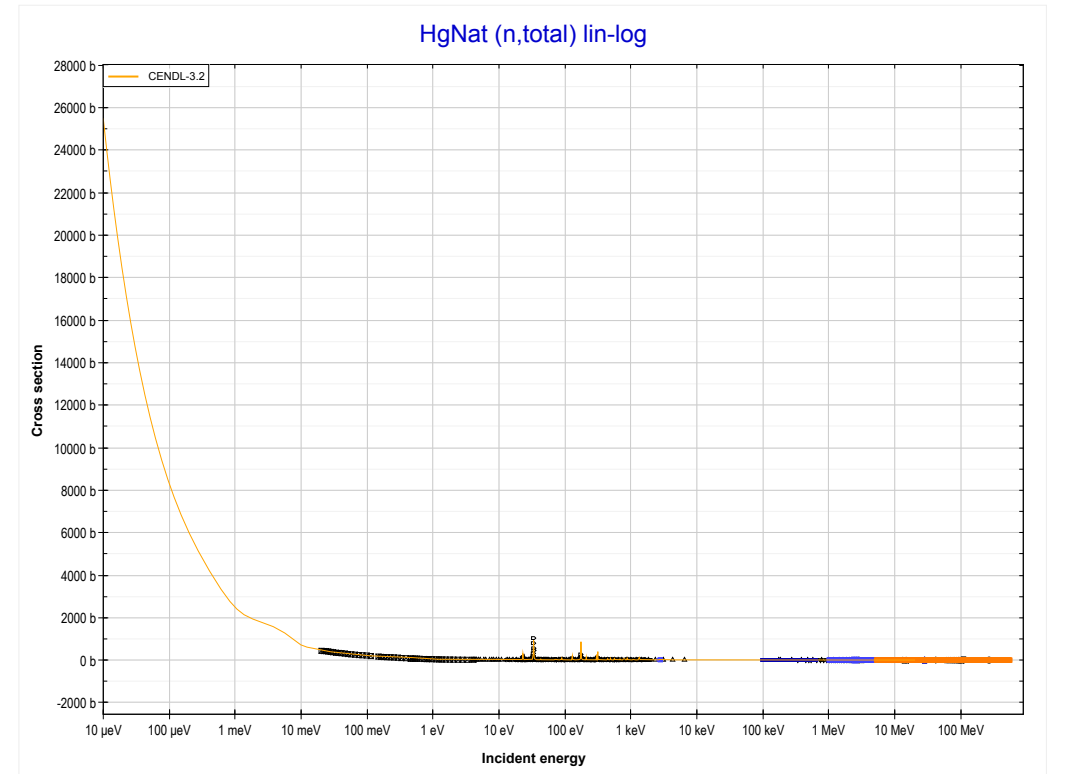
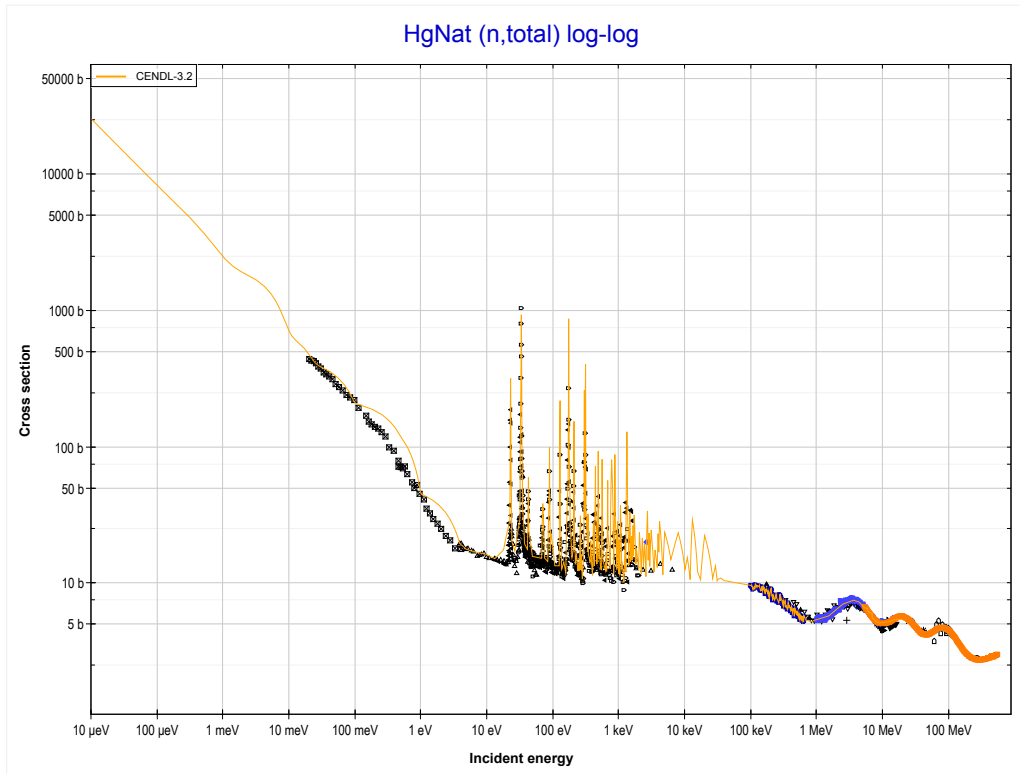
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 28337.6 b | 28319.1 b | 30233 b | 1.06768 | 43732.2 b | 0.0482993 b | 0.00155253 b |
| TENDL-2019 | 24943.1 b | 24943.1 b | 24900 b | 0.99827 | 14438 b | 0.0749095 b | 0.00137465 b |

| | | |
|--------------------------|--|----------------------------|
| << 79-Au-198 | 79-Au-199 | 80-Hg-Nat >> |
| << 79-Au-198 MT102 (n,y) | MT102 (n,y) or MT5 (Au200 production) | 80-Hg-Nat MT1 (n,total) >> |



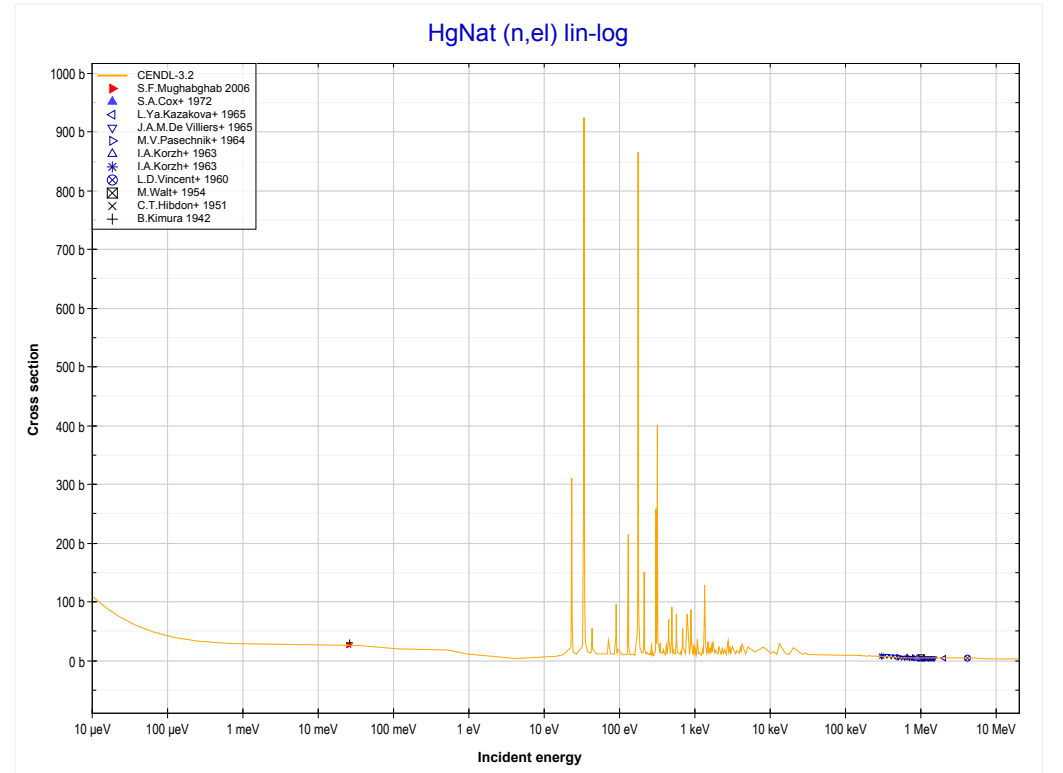
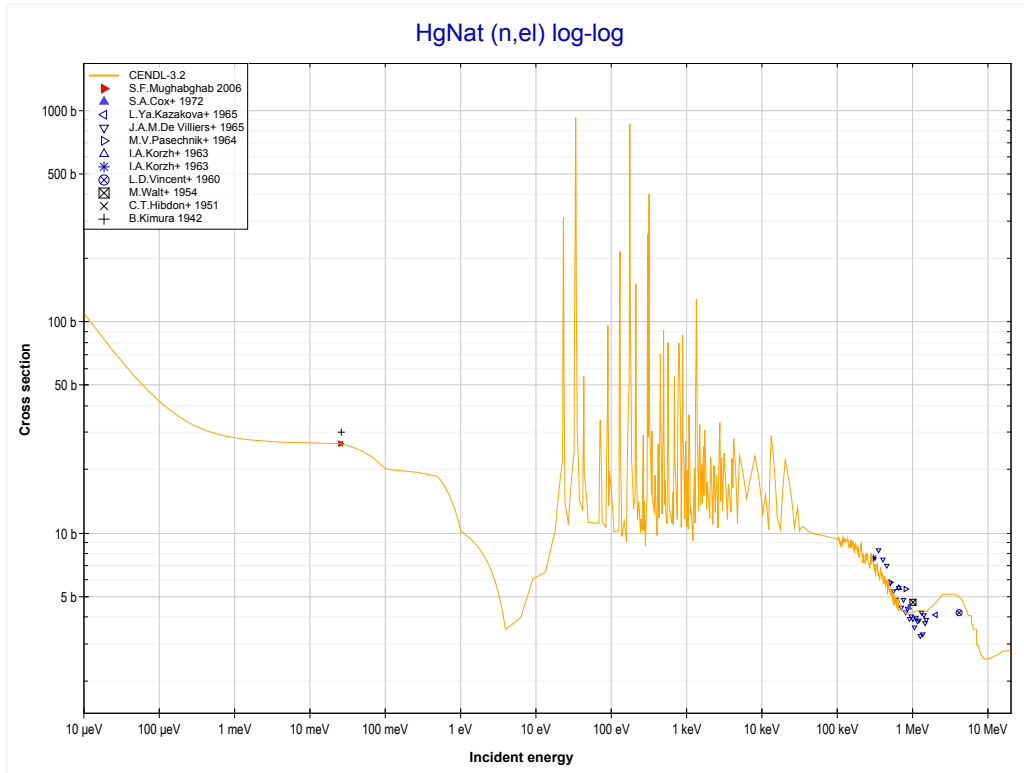
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 30.1627 b | 30.1403 b | 30.231 b | 1.00301 | 445.68 b | 0.0251173 b | 0.00116 b |
| TENDL-2019 | 29.8679 b | 29.8679 b | 29.866 b | 0.99993 | 103.819 b | 0.0864452 b | 0.0012875 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 79-Au-198 | 80-Hg-Nat | 81-Tl-Nat >> |
| << 79-Au-199 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



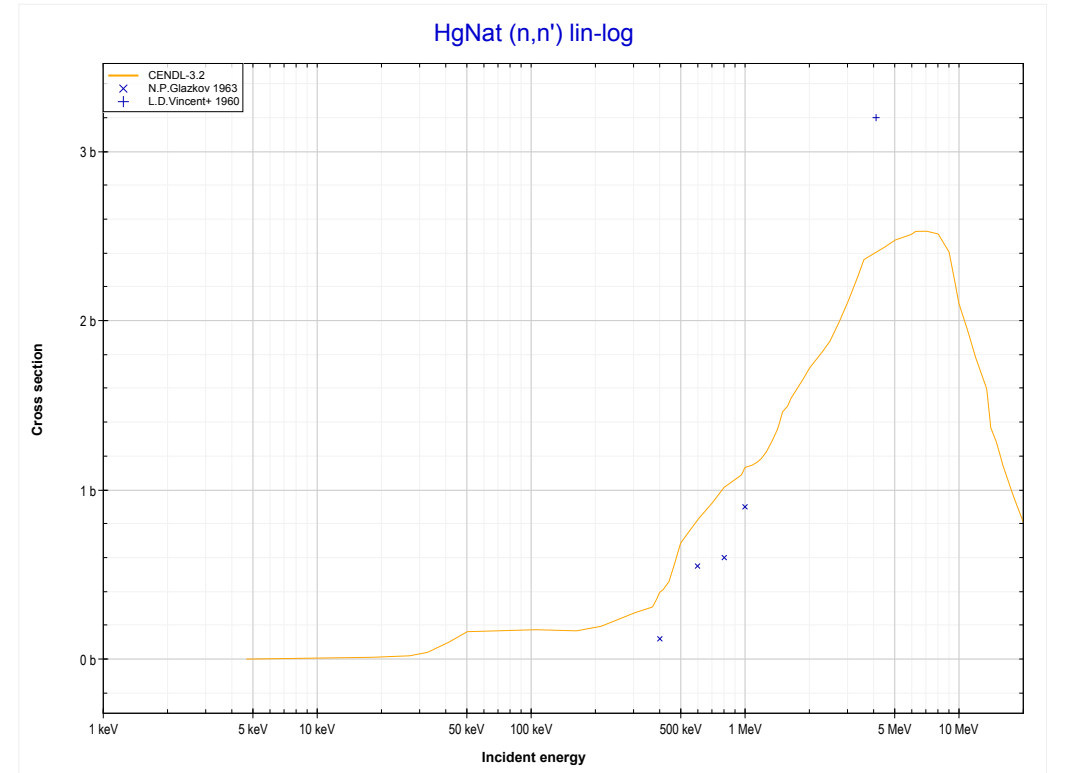
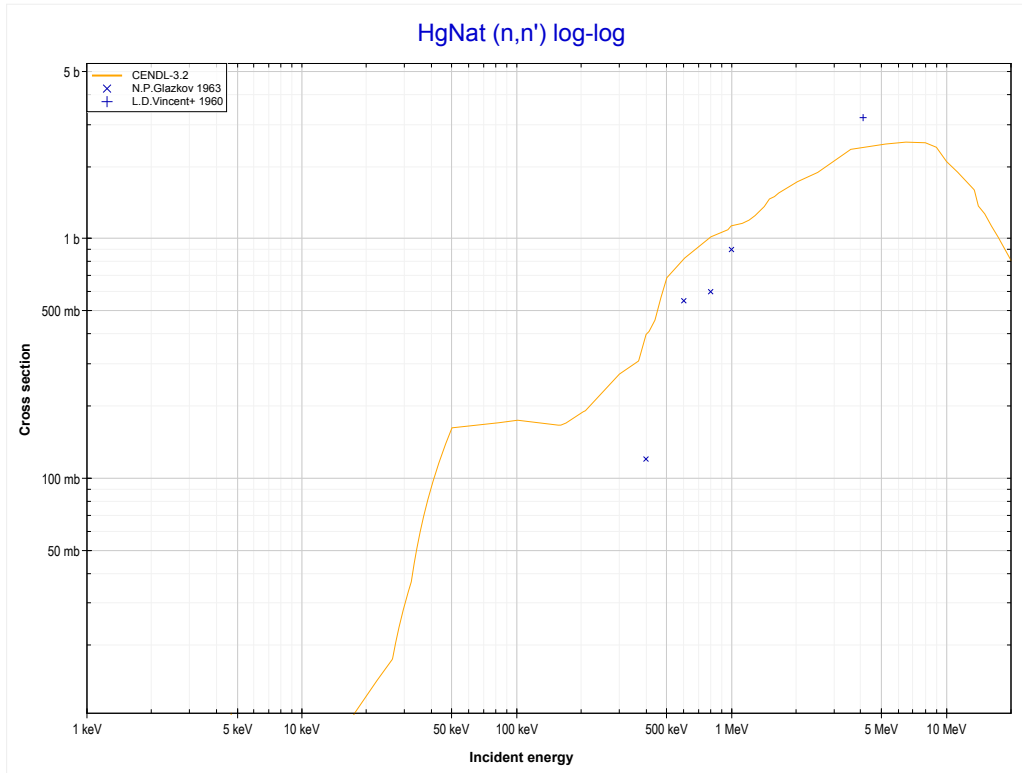
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 410.742 b | 410.742 b | 459.12 b | 1.11779 | 353.365 b | 6.45307 b | 5.29548 b |

| | | |
|------------------|------------------------|---------------|
| << 79-Au-197 | 80-Hg-Nat | 80-Hg-199 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



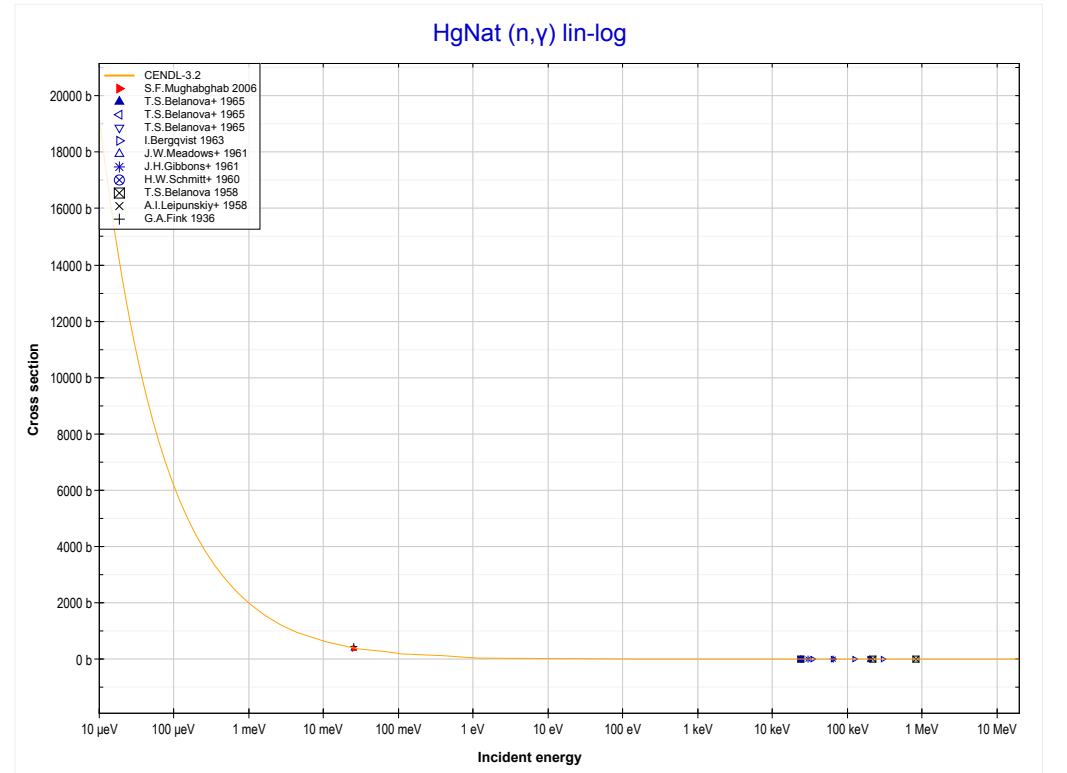
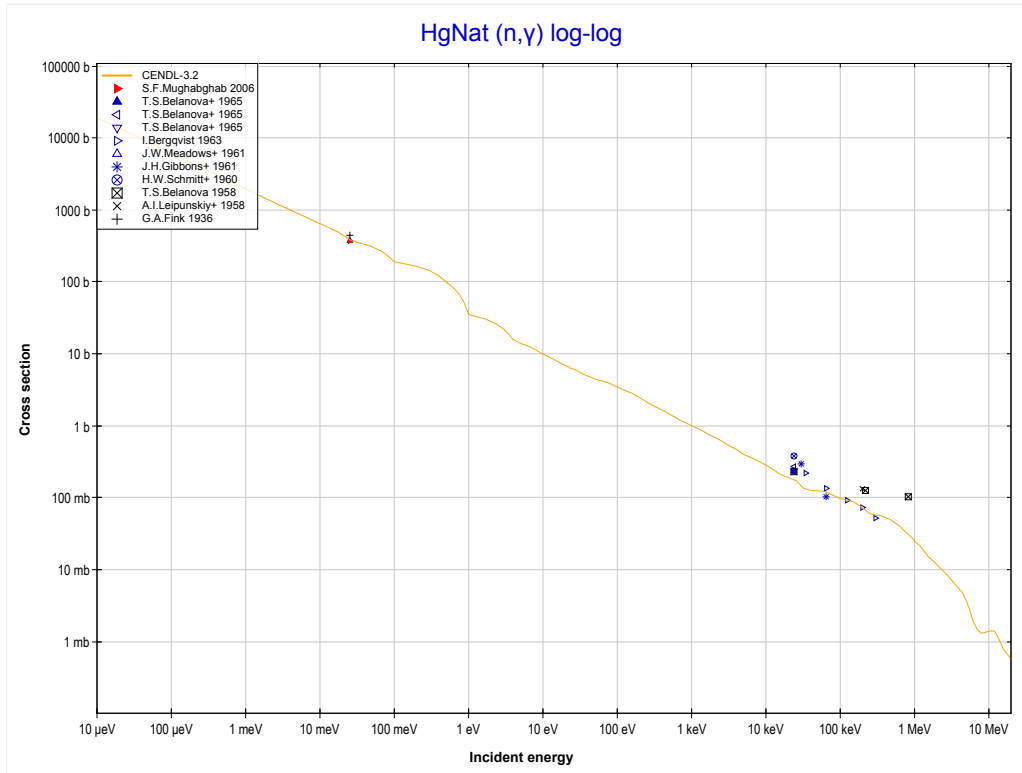
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 26.4638 b | 26.4638 b | 27.485 b | 1.03859 | 234.23 b | 4.96228 b | 2.67873 b |

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|--------------------|-------------------|-------------------------|
| << 79-Au-197 | 80-Hg-Nat | 80-Hg-199 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT102 (n, γ) >> |



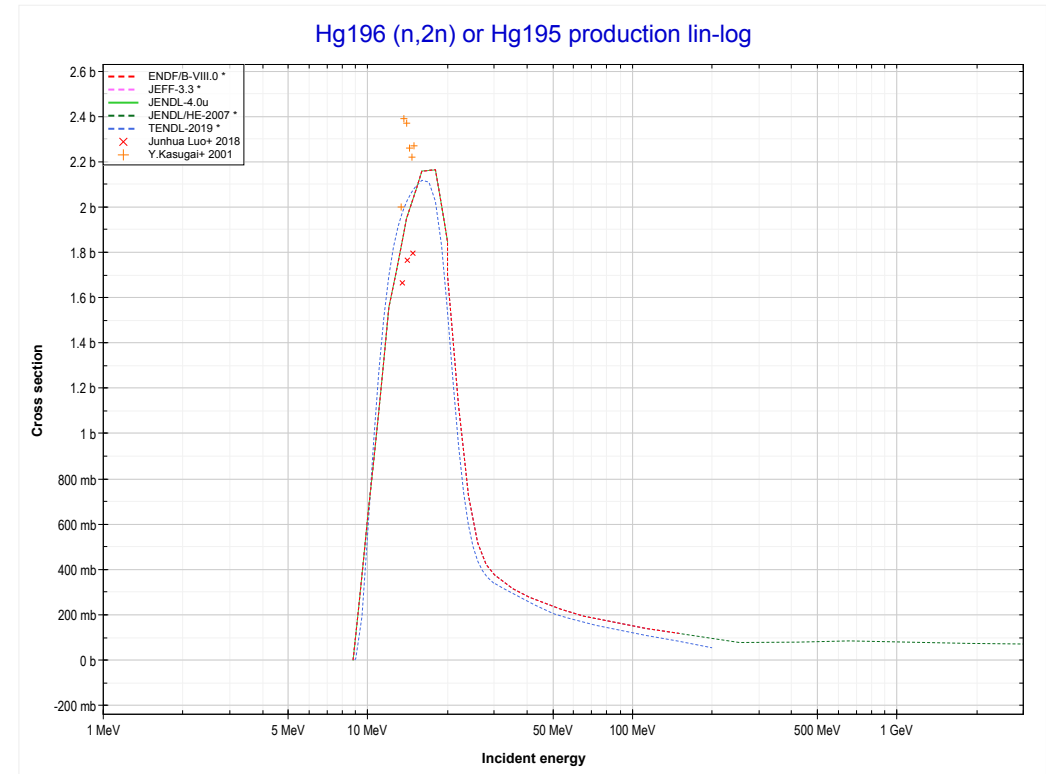
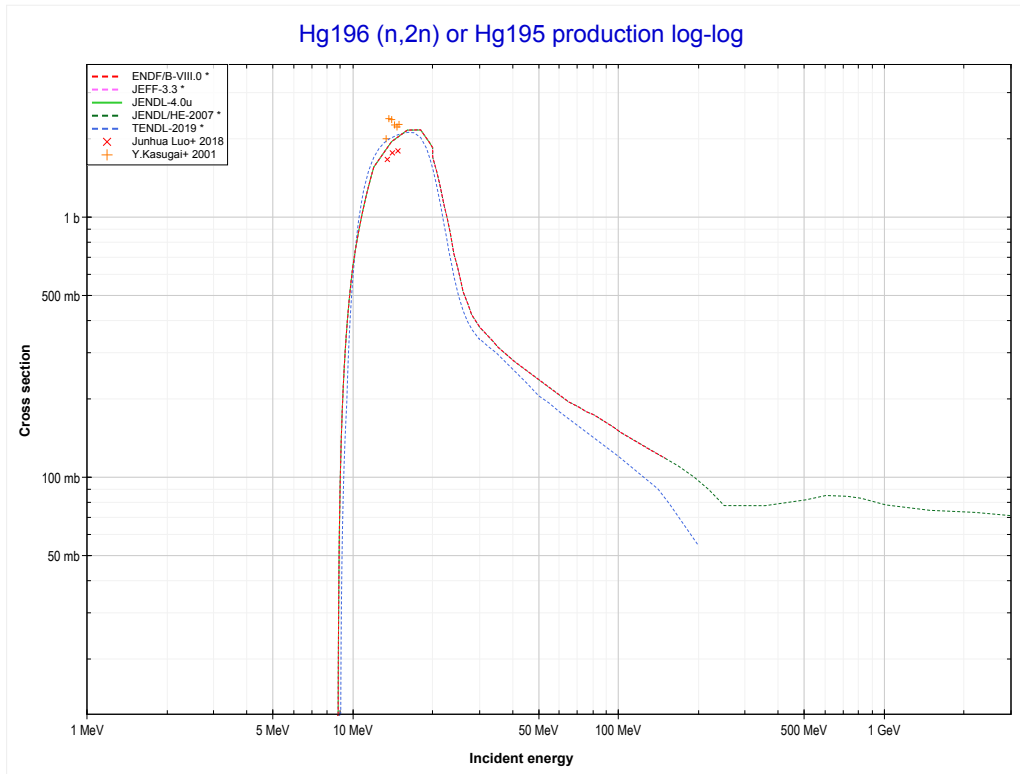
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.173859 b | 1.46459 b | 1.40486 b |

| | | |
|---------------|--------------------------------------|--------------------------|
| << 79-Au-199 | 80-Hg-Nat | 80-Hg-196 >> |
| << MT4 (n,n') | MT102 (n,γ) | 80-Hg-196 MT16 (n,2n) >> |



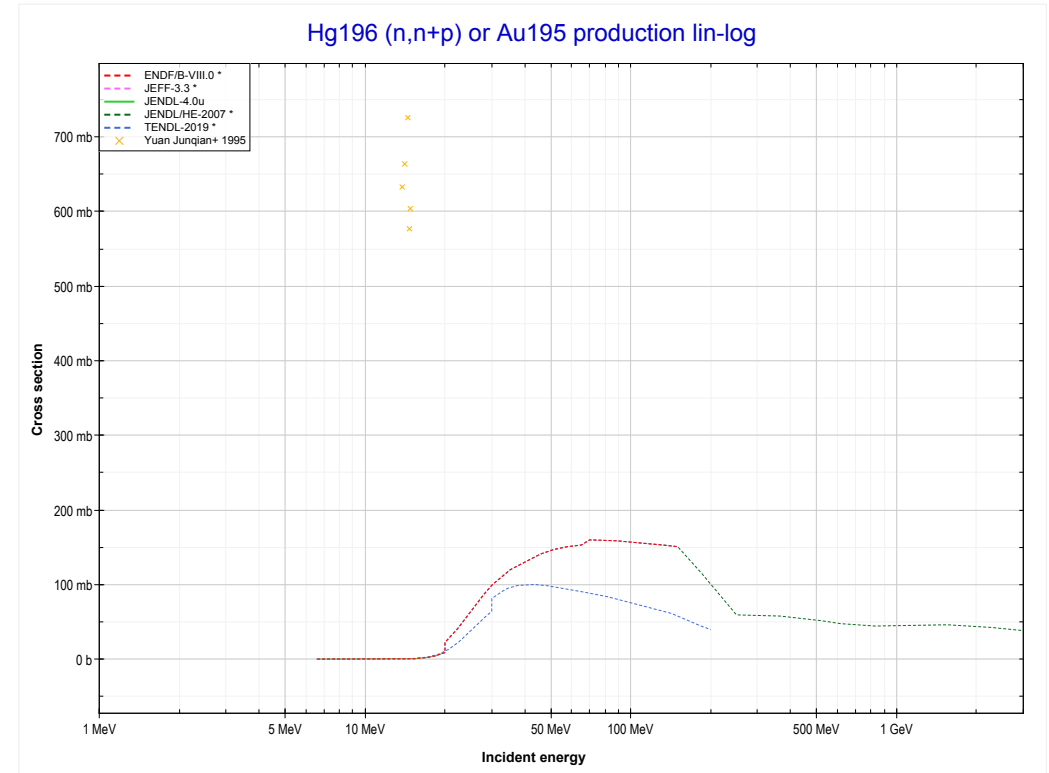
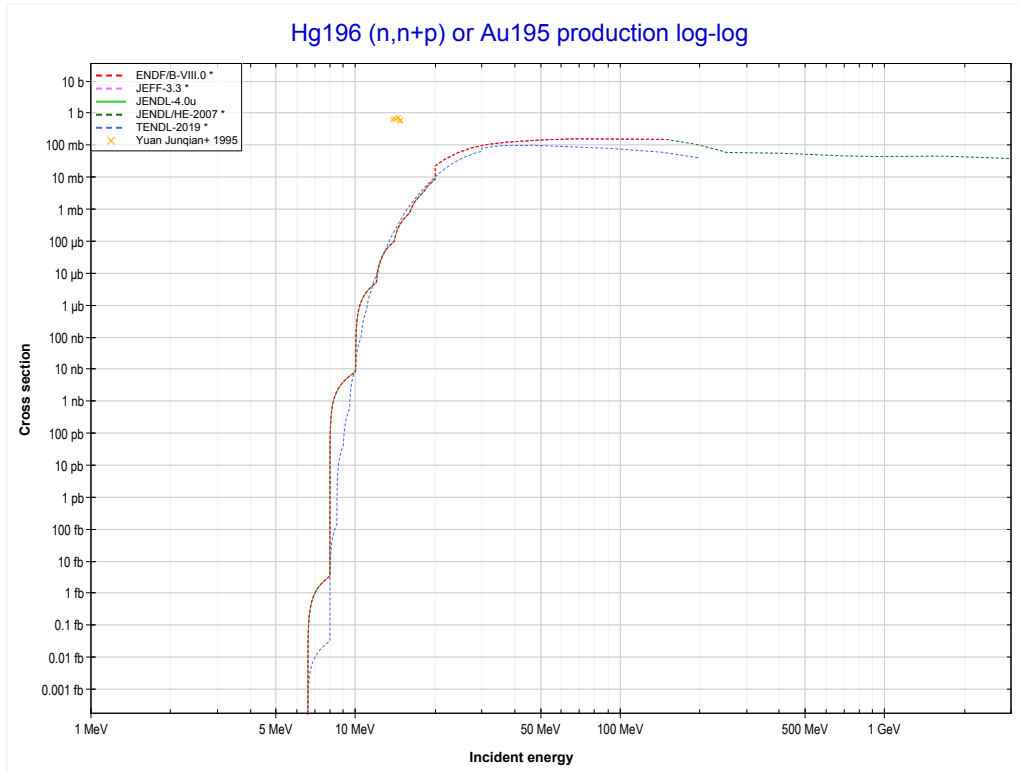
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| CENDL-3.2 | 384.278 b | 384.278 b | 410.39 b | 1.06796 | 118.953 b | 0.0236179 b | 0.00102872 b |

| | | |
|-----------------------------------|--|-----------------|
| << 79-Au-197 | 80-Hg-196 | 80-Hg-198 >> |
| << 80-Hg-Nat MT102 (n, γ) | MT16 (n,2n) or MT5 (Hg195 production) | MT28 (n,n+p) >> |



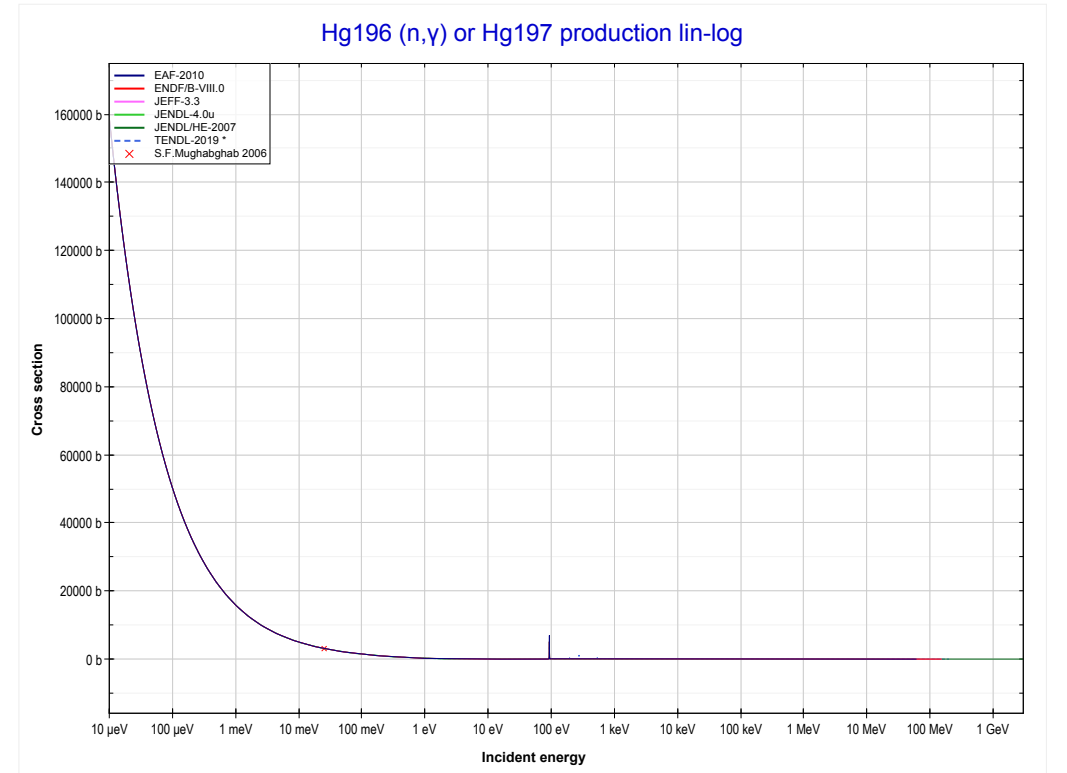
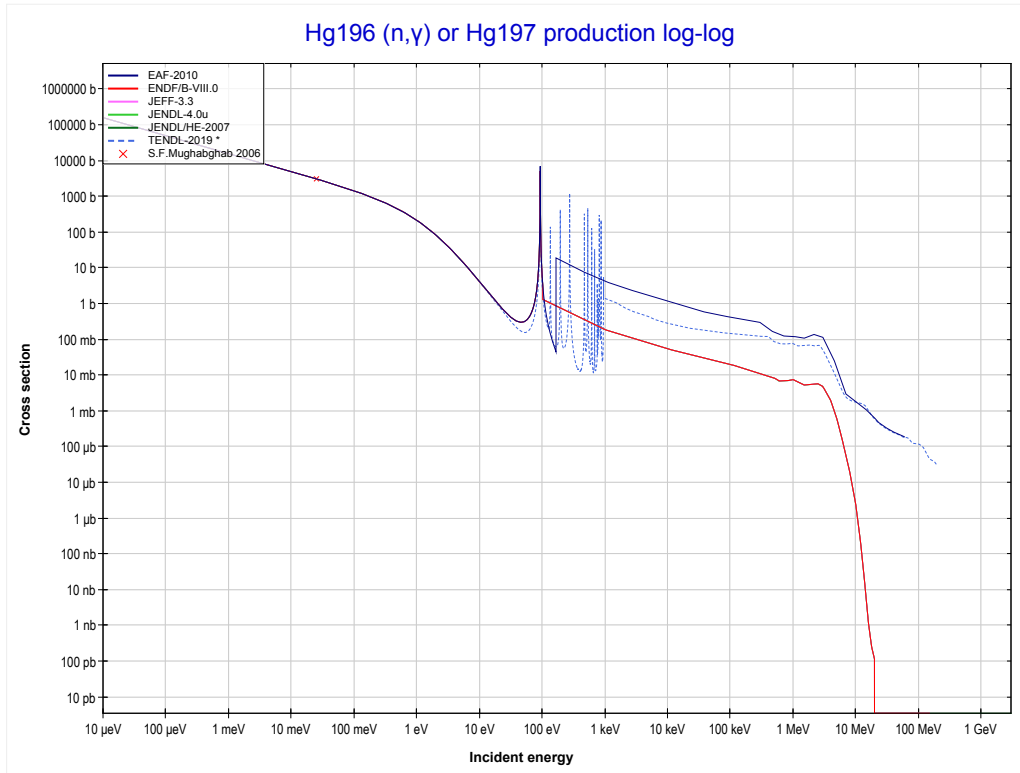
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307518 b | 1.94949 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307518 b | 1.94949 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307518 b | 1.94949 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00307518 b | 1.94949 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00297217 b | 2.02315 b |

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|----------------|---|-------------------------|
| << 76-Os-190 | 80-Hg-196 | 82-Pb-208 >> |
| << MT16 (n,2n) | MT28 (n,n+p) or MT5 (Au195 production) | MT102 (n, γ) >> |



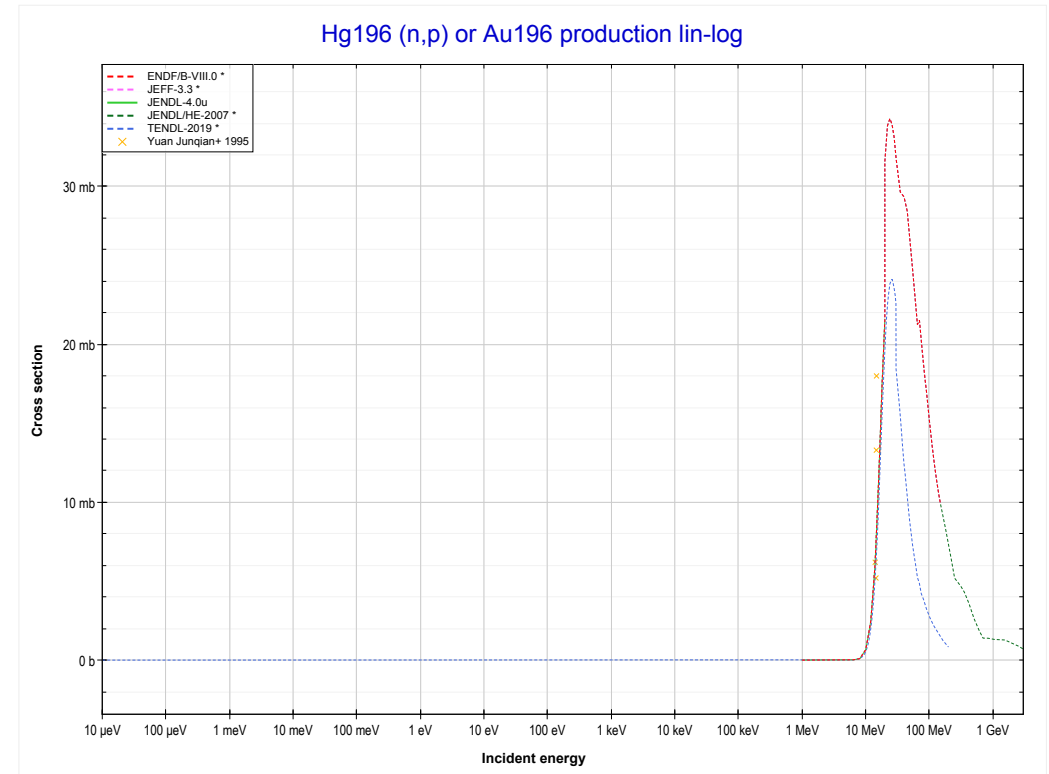
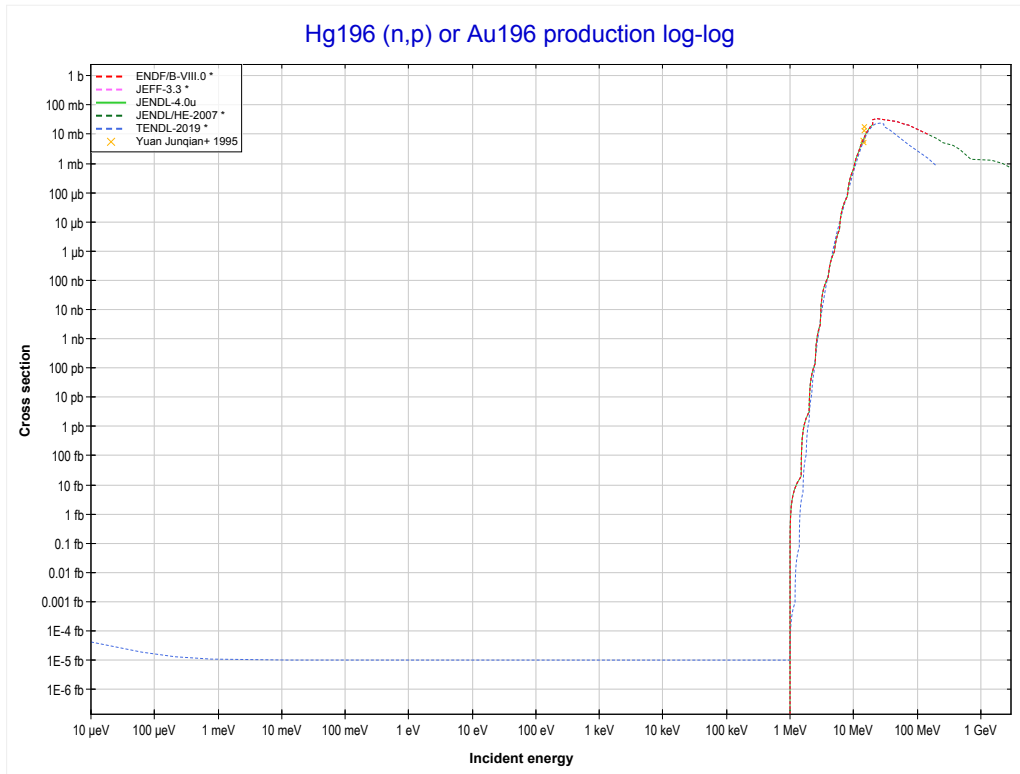
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16598E-7 b | 9.93752E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16598E-7 b | 9.93752E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.16598E-7 b | 9.93752E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16597E-7 b | 9.93752E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.50908E-7 b | 2.05887E-4 b |

| | | |
|-----------------|--|----------------|
| << 80-Hg-Nat | 80-Hg-196 | 80-Hg-198 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Hg197 production) | MT103 (n,p) >> |



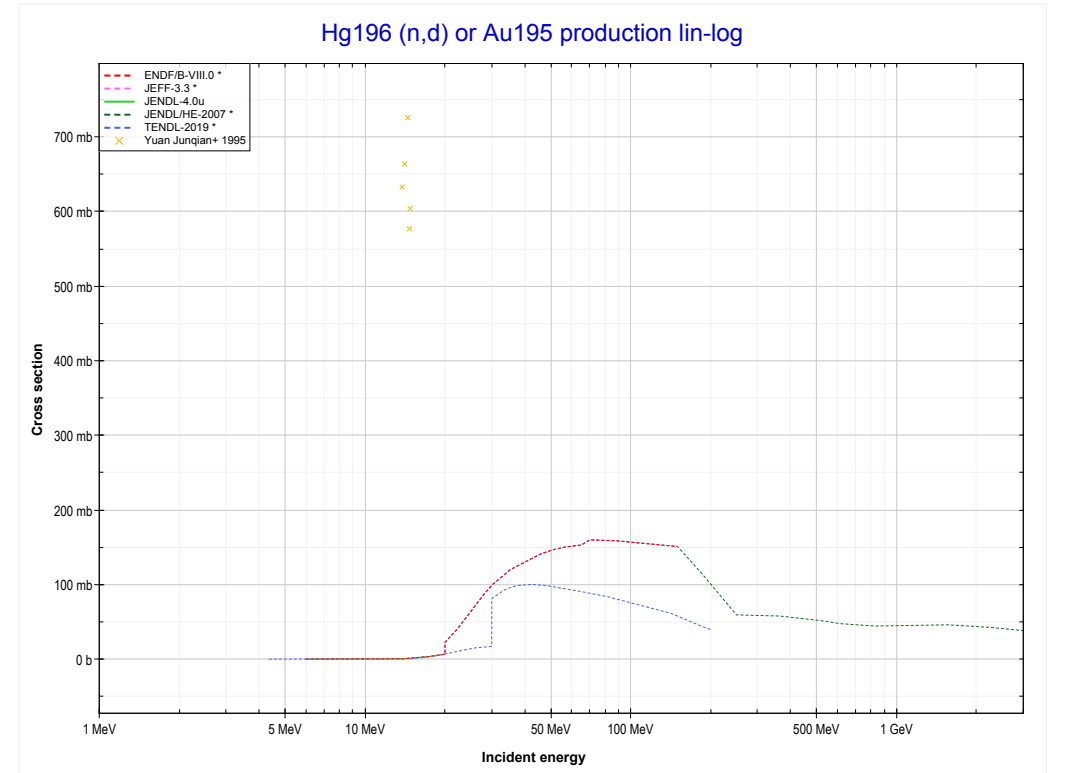
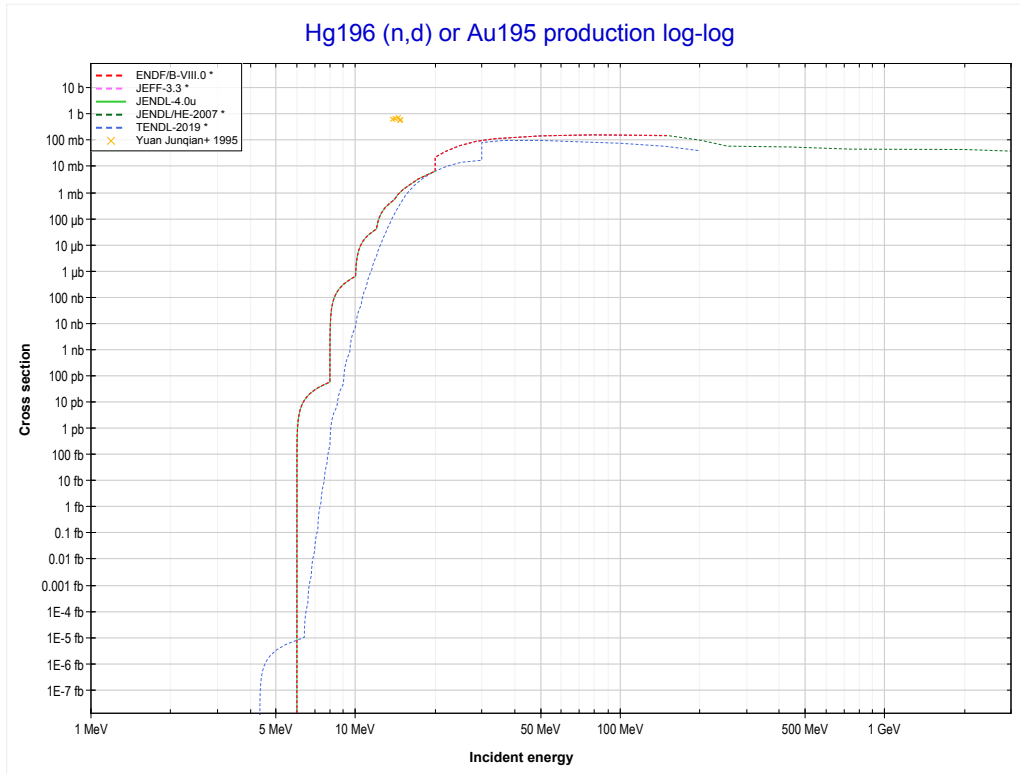
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 3078.3 b | 3075.86 b | 3037.8 b | 0.98758 | 441.977 b | 0.129564 b | 0.00115 b |
| ENDF/B-VIII.0 | 3078.23 b | 3078.23 b | 3041.9 b | 0.9882 | 420.809 b | 0.00614544 b | 1.45265E-8 b |
| JEFF-3.3 | 3078.23 b | 3078.23 b | 3041.9 b | 0.9882 | 420.809 b | 0.00614544 b | 1.45265E-8 b |
| JENDL-4.0u | 3078.23 b | 3078.23 b | 3041.9 b | 0.9882 | 420.79 b | 0.00614442 b | 1.45265E-8 b |
| JENDL/HE-2007 | 3077.68 b | 3077.68 b | 3040.1 b | 0.9878 | 419.89 b | 0.00614294 b | 1.45265E-8 b |
| TENDL-2019 | 3069.32 b | 3069.32 b | 3032.2 b | 0.98792 | 414.766 b | 0.0663412 b | 0.00141454 b |

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|-------------------------|--|----------------|
| << 79-Au-197 | 80-Hg-196 | 80-Hg-198 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au196 production) | MT104 (n,d) >> |



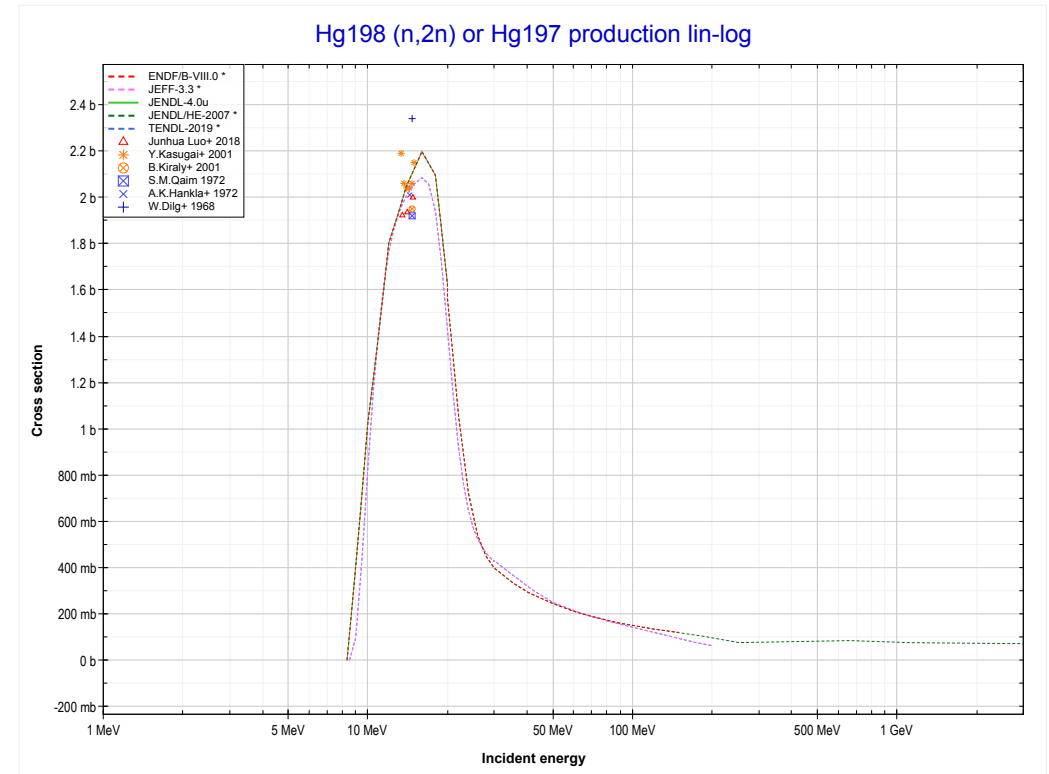
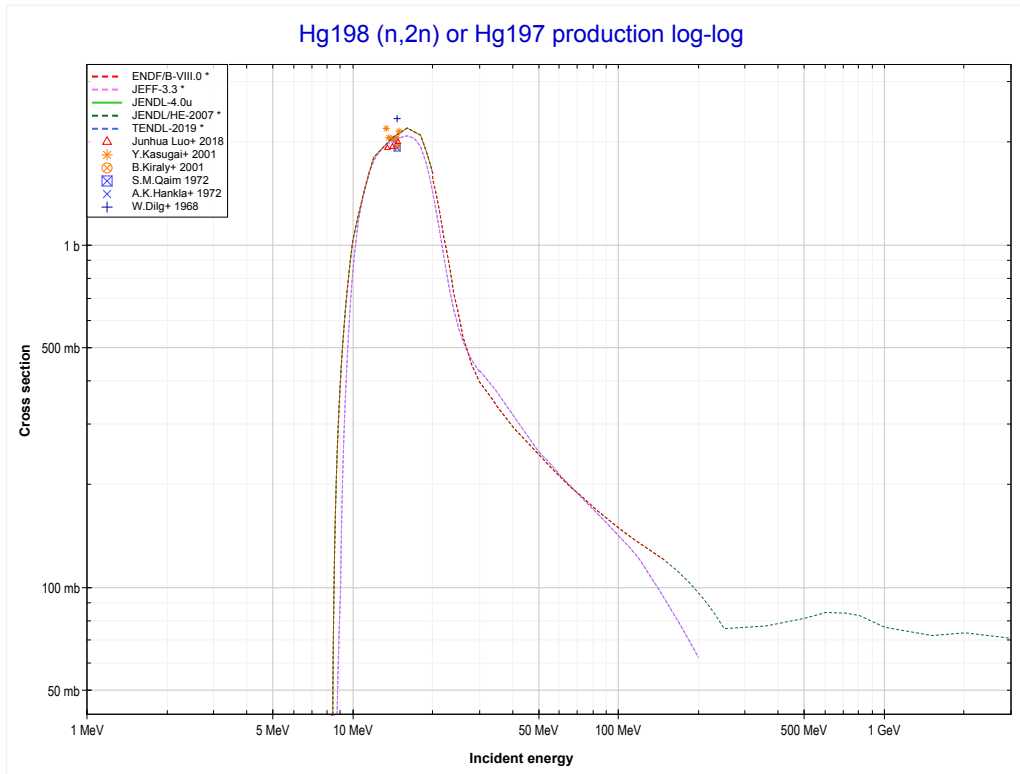
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 7.19843E-6 b | 0.00600322 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 7.19843E-6 b | 0.00600322 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 7.19843E-6 b | 0.00600322 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.19842E-6 b | 0.00600322 b |
| TENDL-2019 | 1.0026E-20 b | 1.0026E-20 b | 1.1313E-20 b | 1.12841 | 1.22067E-19 b | 5.69501E-6 b | 0.00505164 b |

| | | |
|----------------|--|--------------------------|
| << 78-Pt-198 | 80-Hg-196 | 82-Pb-208 >> |
| << MT103 (n,p) | MT104 (n,d) or MT5 (Au195 production) | 80-Hg-198 MT16 (n,2n) >> |



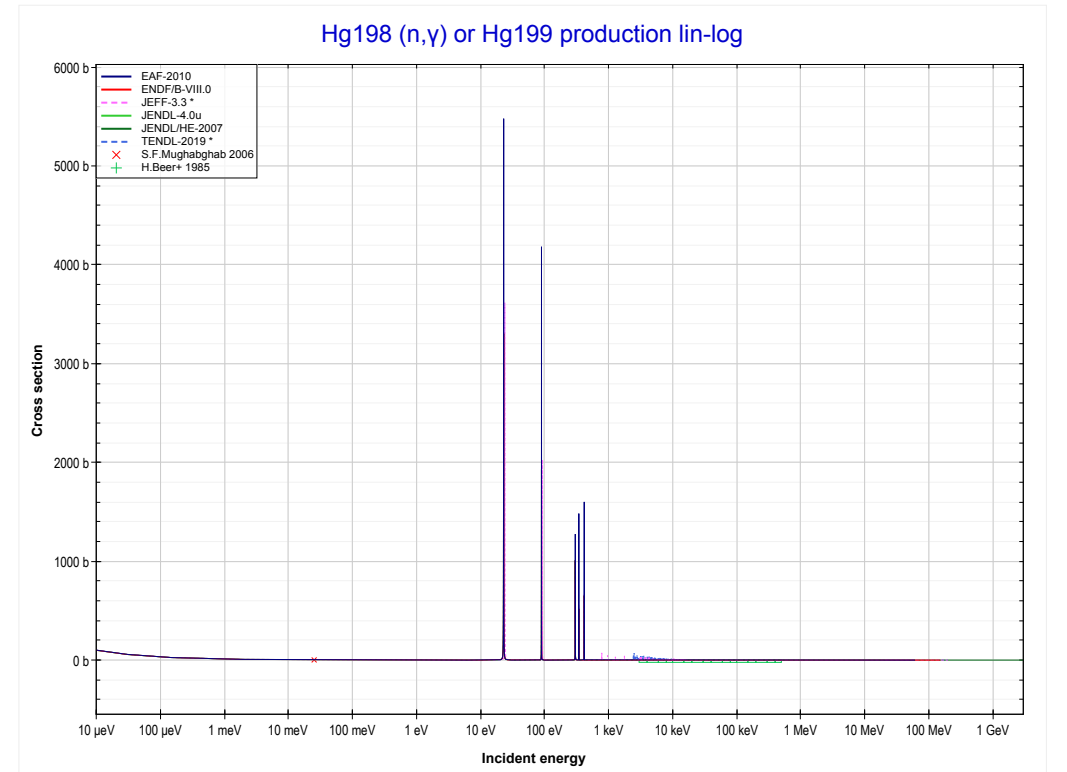
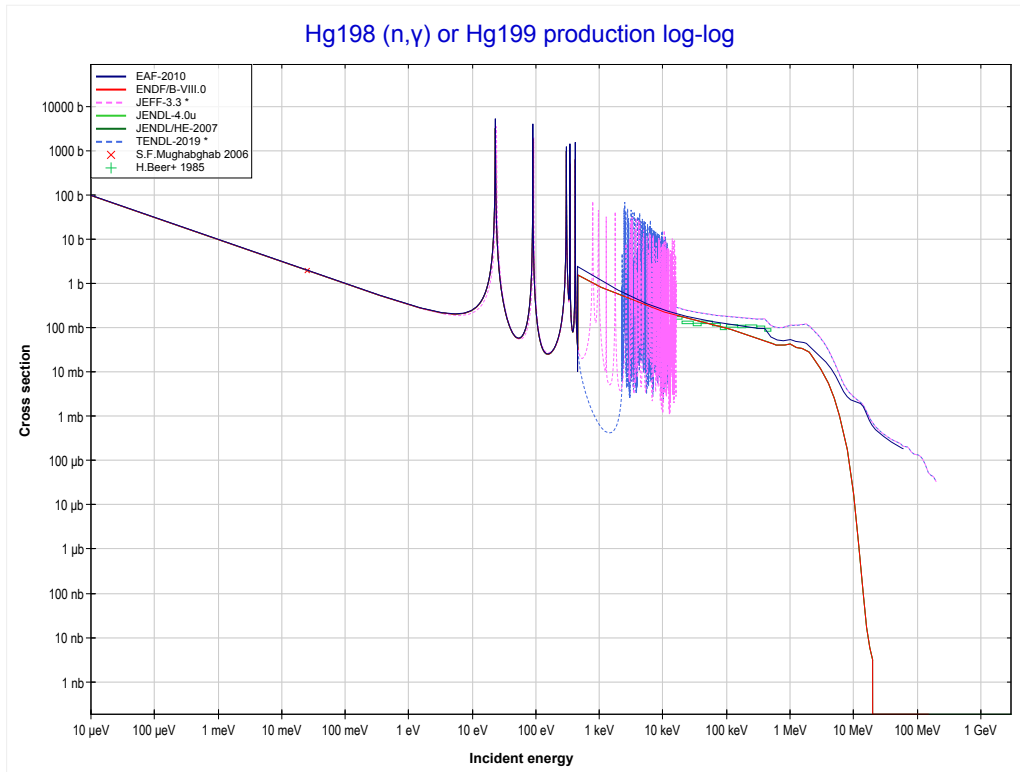
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.93896E-7 b | 5.26017E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.93896E-7 b | 5.26017E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.93896E-7 b | 5.26017E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.93895E-7 b | 5.26017E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21229E-7 b | 1.4297E-4 b |

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|--------------------------|--|-------------------------|
| << 80-Hg-196 | 80-Hg-198 | 80-Hg-200 >> |
| << 80-Hg-196 MT104 (n,d) | MT16 (n,2n) or MT5 (Hg197 production) | MT102 (n, γ) >> |



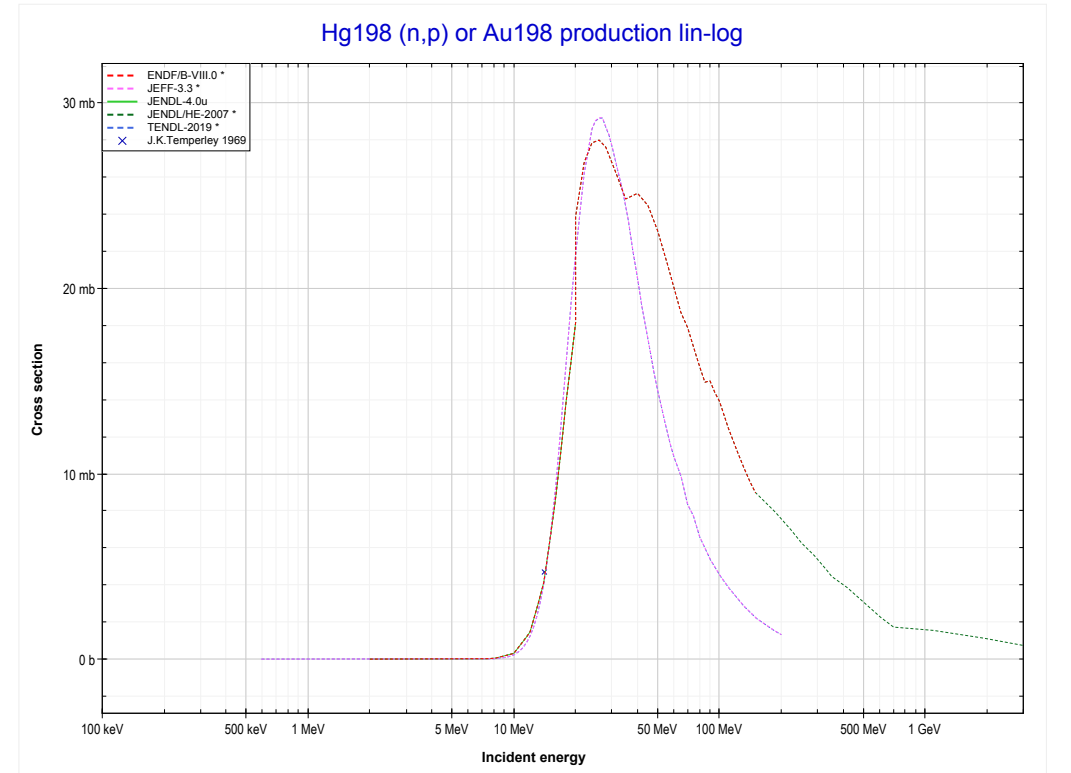
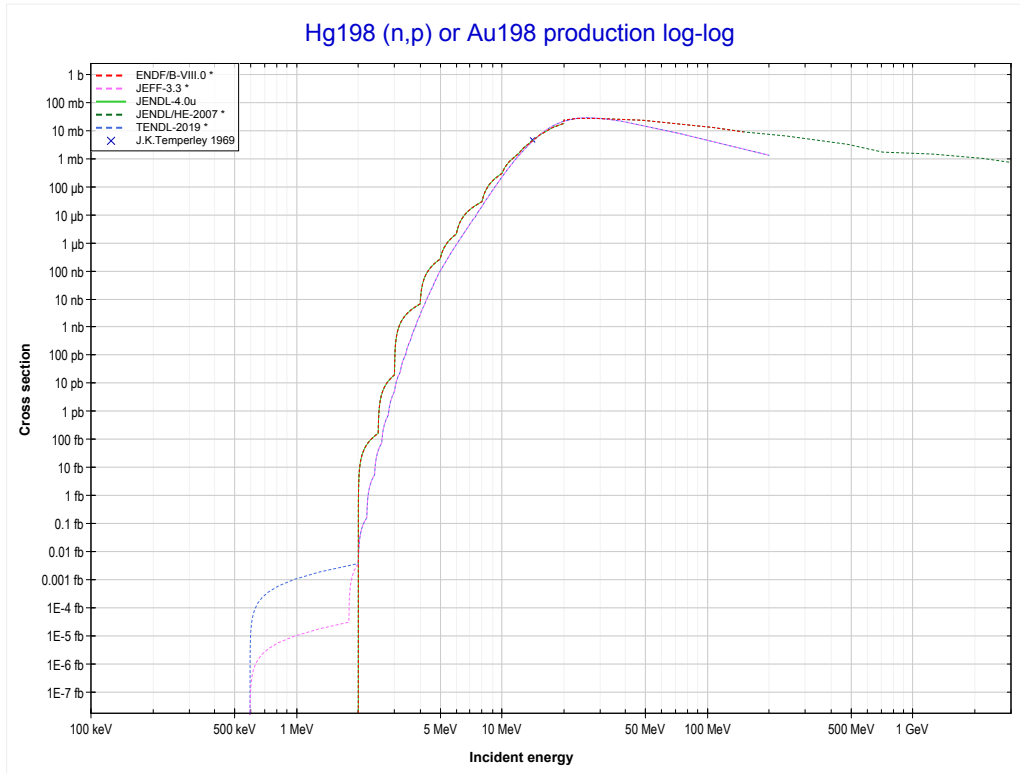
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00471494 b | 2.04969 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0037152 b | 2.00702 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00471495 b | 2.04969 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00471494 b | 2.04969 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00371913 b | 2.00758 b |

| | | |
|----------------|--|----------------|
| << 80-Hg-196 | 80-Hg-198 | 80-Hg-199 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Hg199 production) | MT103 (n,p) >> |



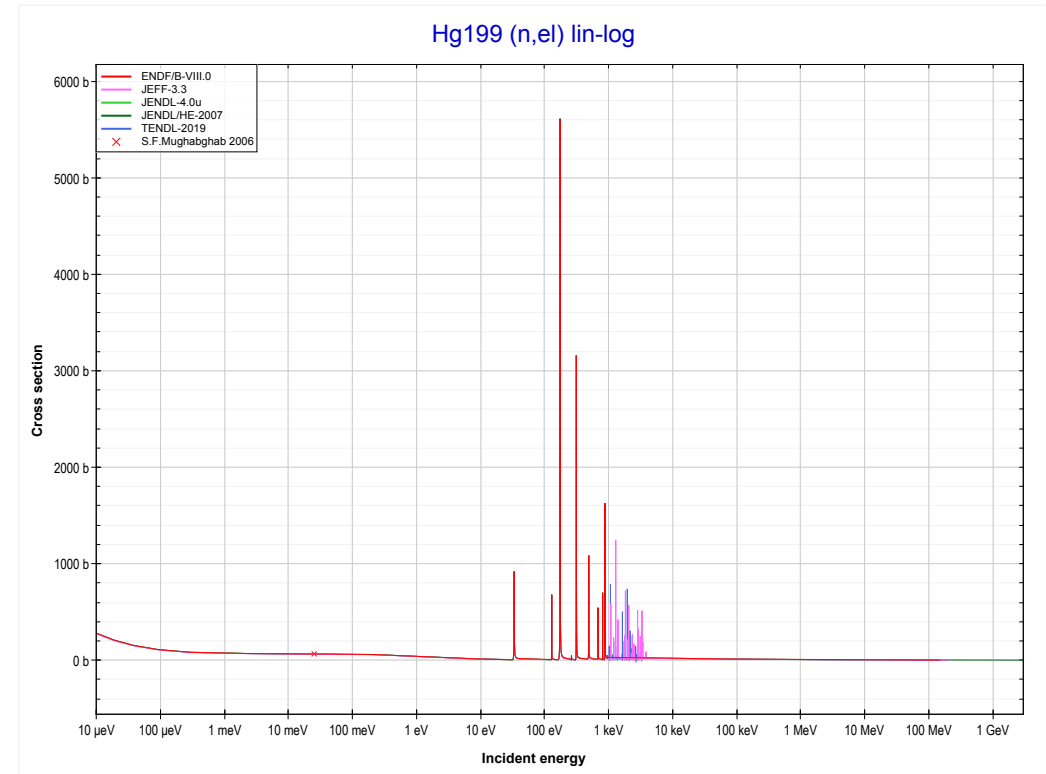
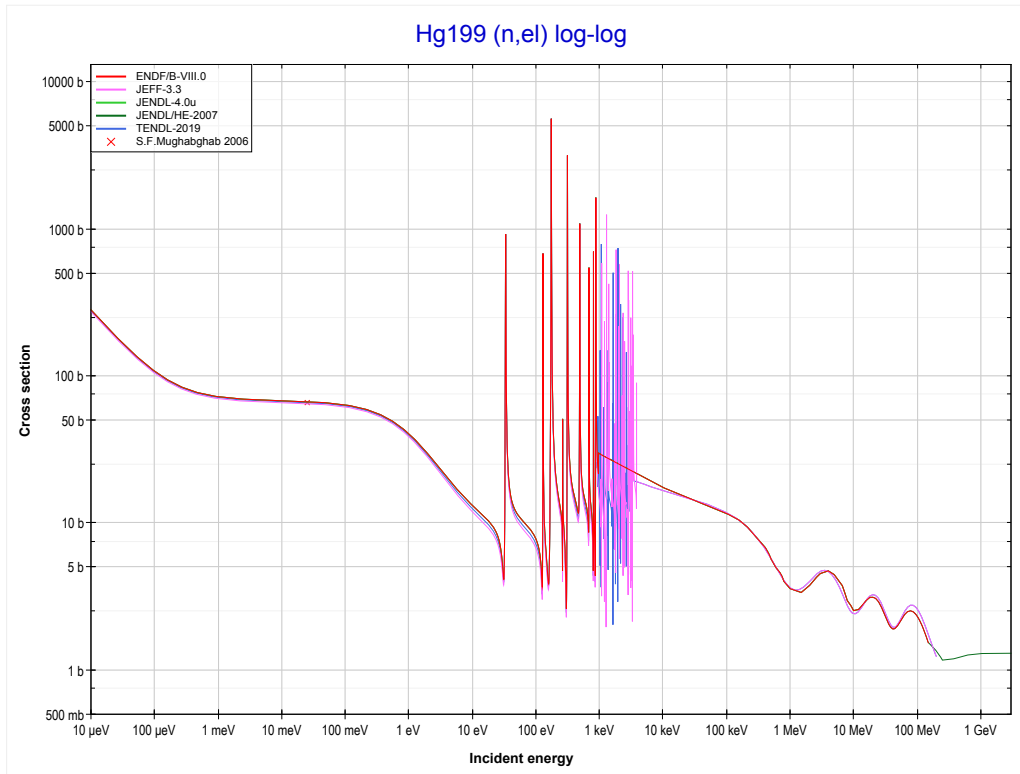
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.017 b | 2.01549 b | 2.0172 b | 1.00085 | 75.9512 b | 0.045954 b | 0.00172734 b |
| ENDF/B-VIII.0 | 1.9858 b | 1.9858 b | 1.9883 b | 1.00125 | 74.2937 b | 0.0318467 b | 1.2063E-7 b |
| JEFF-3.3 | 1.99294 b | 1.99294 b | 1.9949 b | 1.00101 | 72.8199 b | 0.0980816 b | 0.00186133 b |
| JENDL-4.0u | 1.9858 b | 1.9858 b | 1.9883 b | 1.00125 | 74.2914 b | 0.0318428 b | 1.2063E-7 b |
| JENDL/HE-2007 | 1.98535 b | 1.98535 b | 1.9871 b | 1.00087 | 74.2871 b | 0.0318387 b | 1.2063E-7 b |
| TENDL-2019 | 2.00789 b | 2.00789 b | 2.0096 b | 1.00086 | 73.994 b | 0.0970361 b | 0.00185589 b |

| | | |
|-------------------------|--|------------------------------|
| << 80-Hg-196 | 80-Hg-198 | 80-Hg-199 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au198 production) | 80-Hg-199 MT2 (n,elastic) >> |



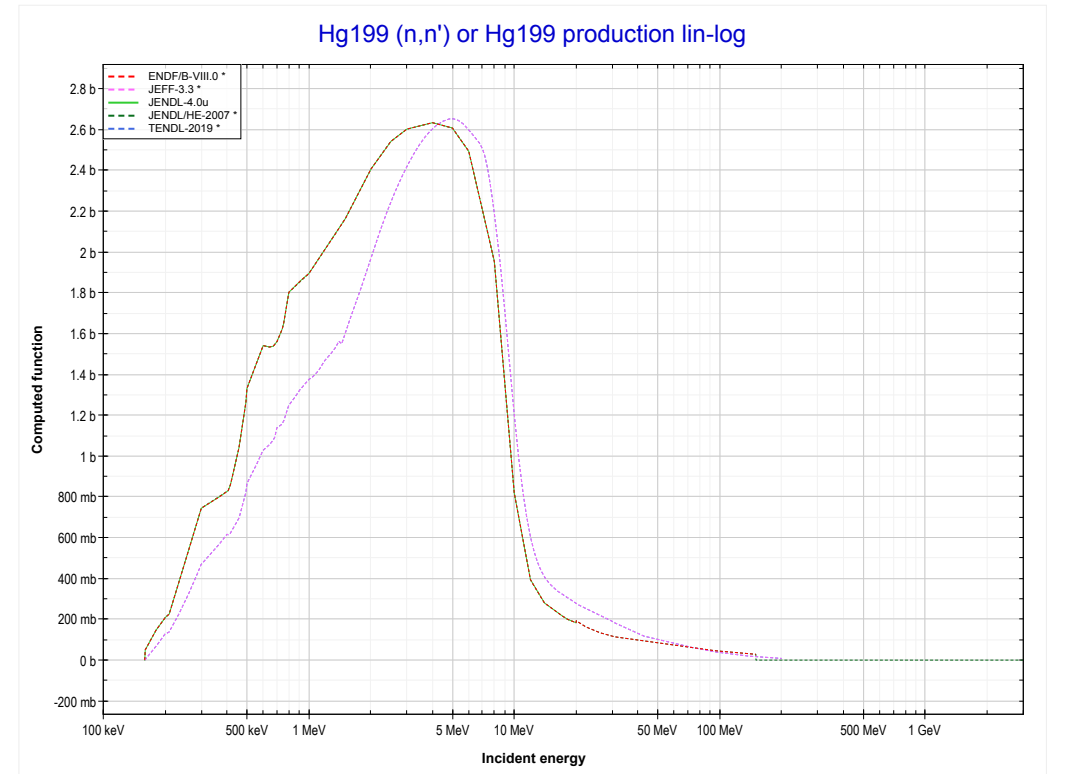
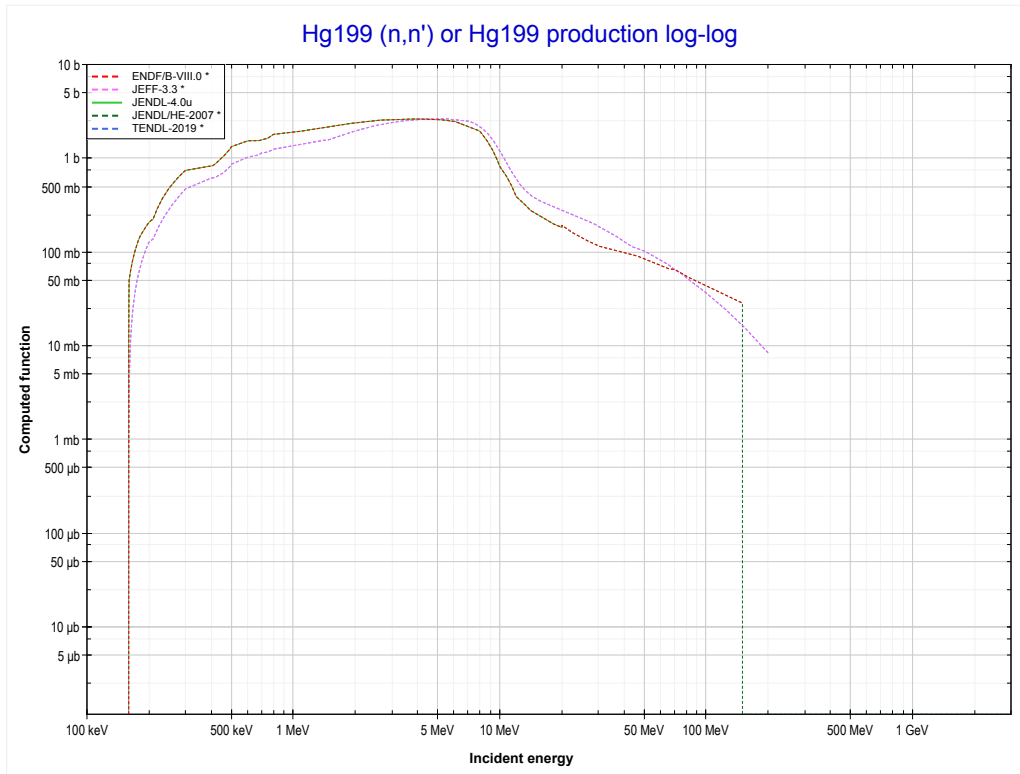
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.02516E-6 b | 0.00412882 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.00413E-6 b | 0.00407019 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 4.02516E-6 b | 0.00412882 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 4.02516E-6 b | 0.00412882 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.00131E-6 b | 0.00406753 b |

| | | |
|--------------------------|------------------------|---------------|
| << 80-Hg-Nat | 80-Hg-199 | 81-Tl-Nat >> |
| << 80-Hg-198 MT103 (n,p) | MT2 (n,elastic) | MT4 (n,n') >> |



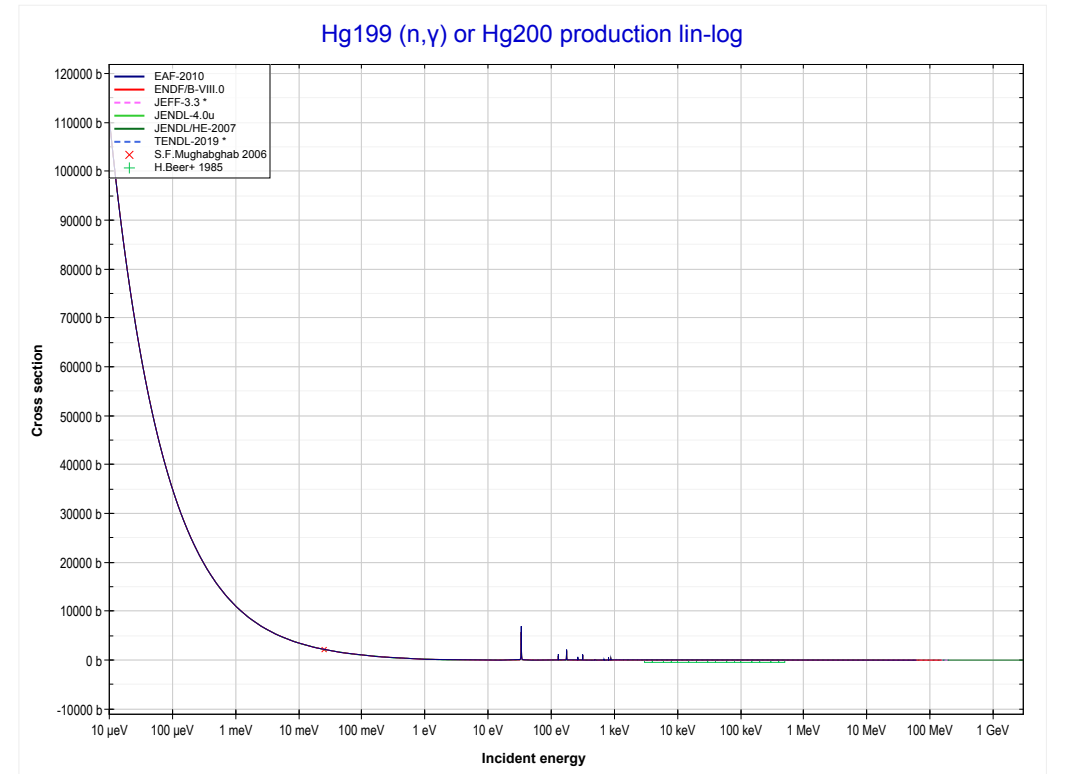
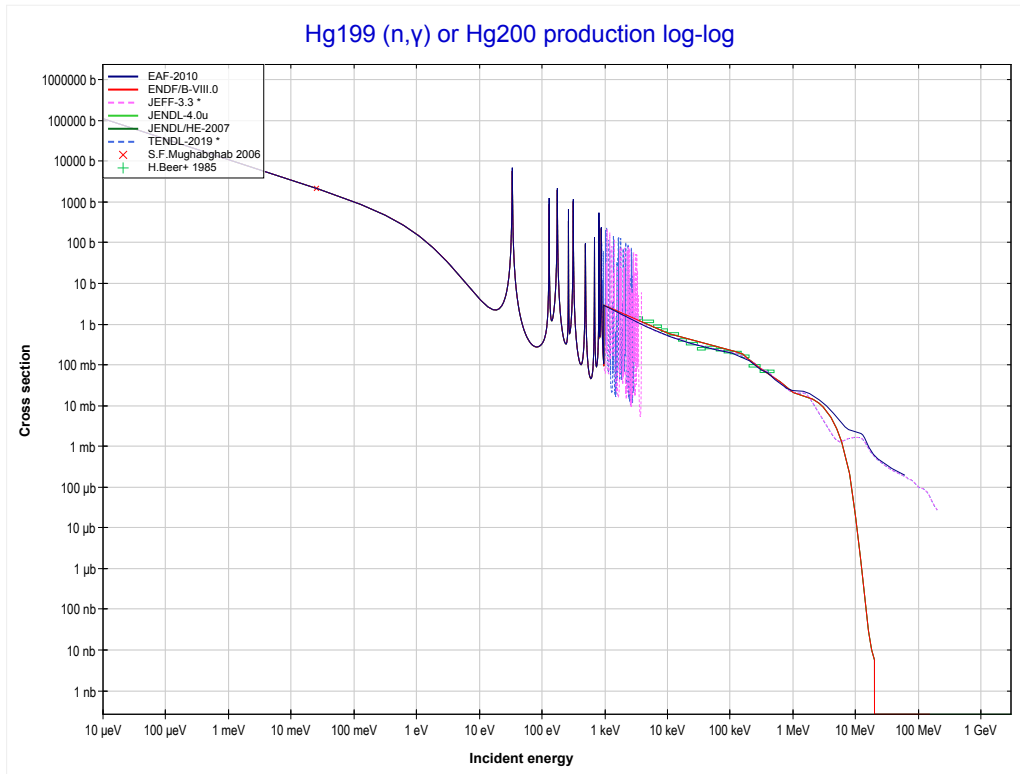
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 66.6967 b | 66.6967 b | 74.045 b | 1.11018 | 363.399 b | 4.64312 b | 2.76176 b |
| JEFF-3.3 | 64.6594 b | 64.6594 b | 71.757 b | 1.10977 | 353.568 b | 4.70327 b | 2.73473 b |
| JENDL-4.0u | 66.6967 b | 66.6967 b | 74.045 b | 1.11018 | 363.38 b | 4.64325 b | 2.76176 b |
| JENDL/HE-2007 | 66.6967 b | 66.6967 b | 74.05 b | 1.11024 | 363.325 b | 4.64327 b | 2.76176 b |
| TENDL-2019 | 65.757 b | 65.757 b | 72.992 b | 1.11003 | 350.346 b | 4.70363 b | 2.73473 b |

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|--------------------|---|-------------------------|
| << 80-Hg-Nat | 80-Hg-199 | 81-Tl-Nat >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Hg199 production) | MT102 (n, γ) >> |



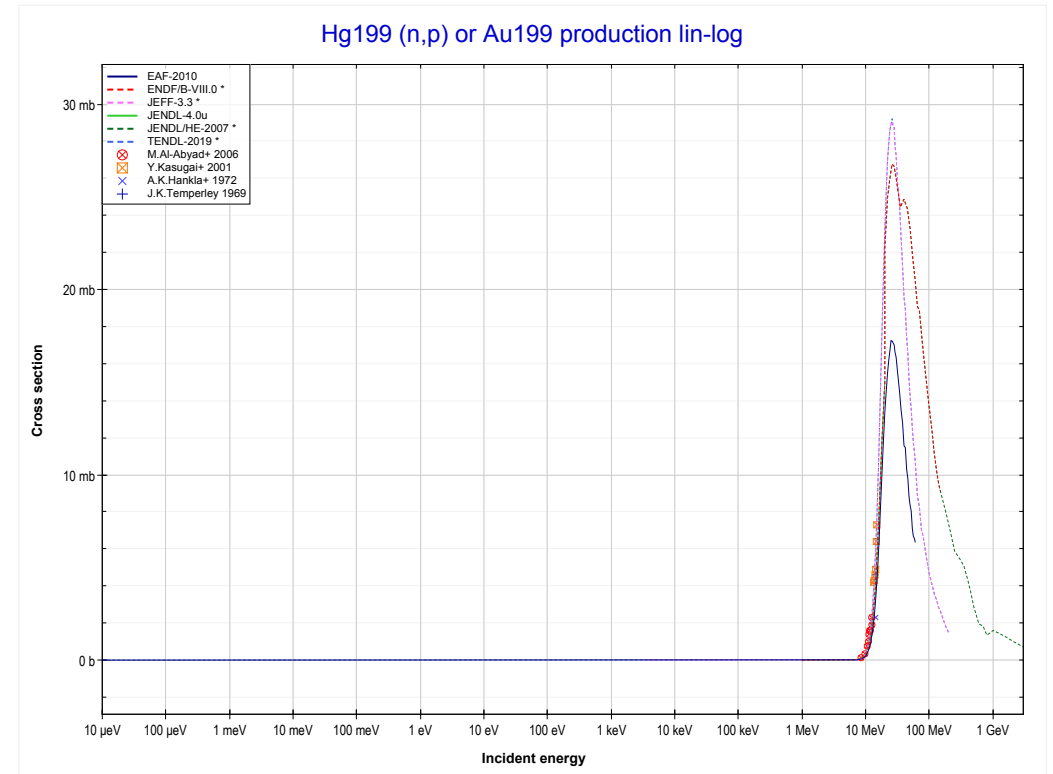
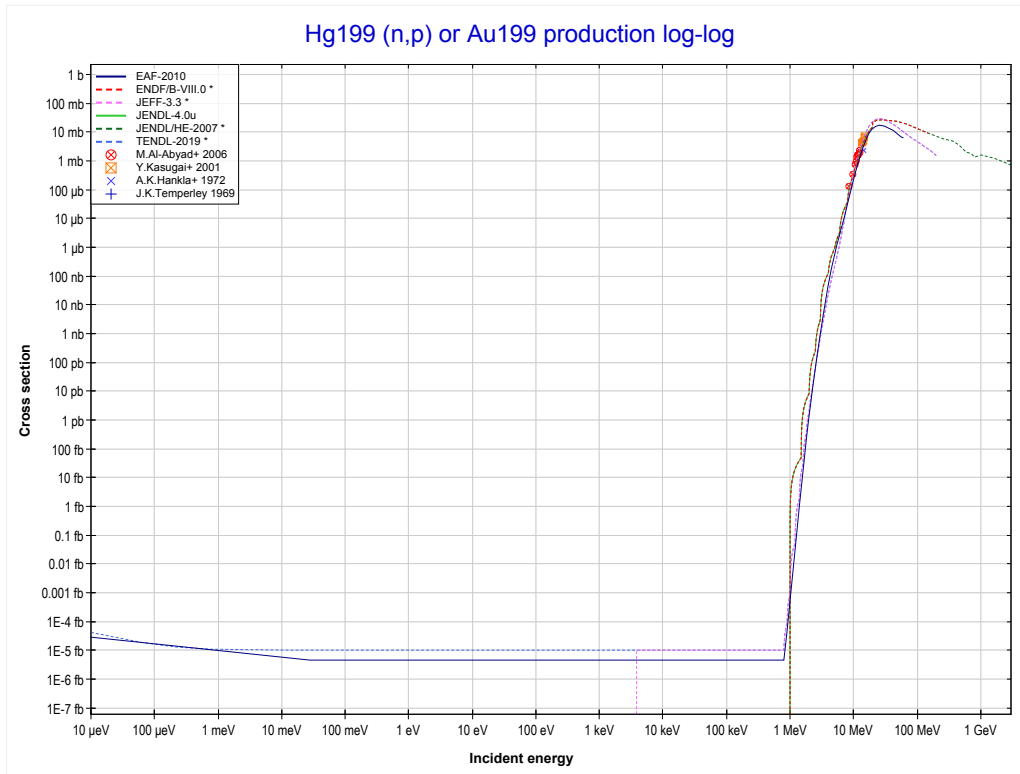
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.9935 b | 0.280669 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67023 b | 0.409492 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.9935 b | 0.280669 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.99315 b | 0.280669 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.6704 b | 0.408674 b |

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|---------------|--|----------------|
| << 80-Hg-198 | 80-Hg-199 | 80-Hg-200 >> |
| << MT4 (n,n') | MT102 (n,γ) or MT5 (Hg200 production) | MT103 (n,p) >> |



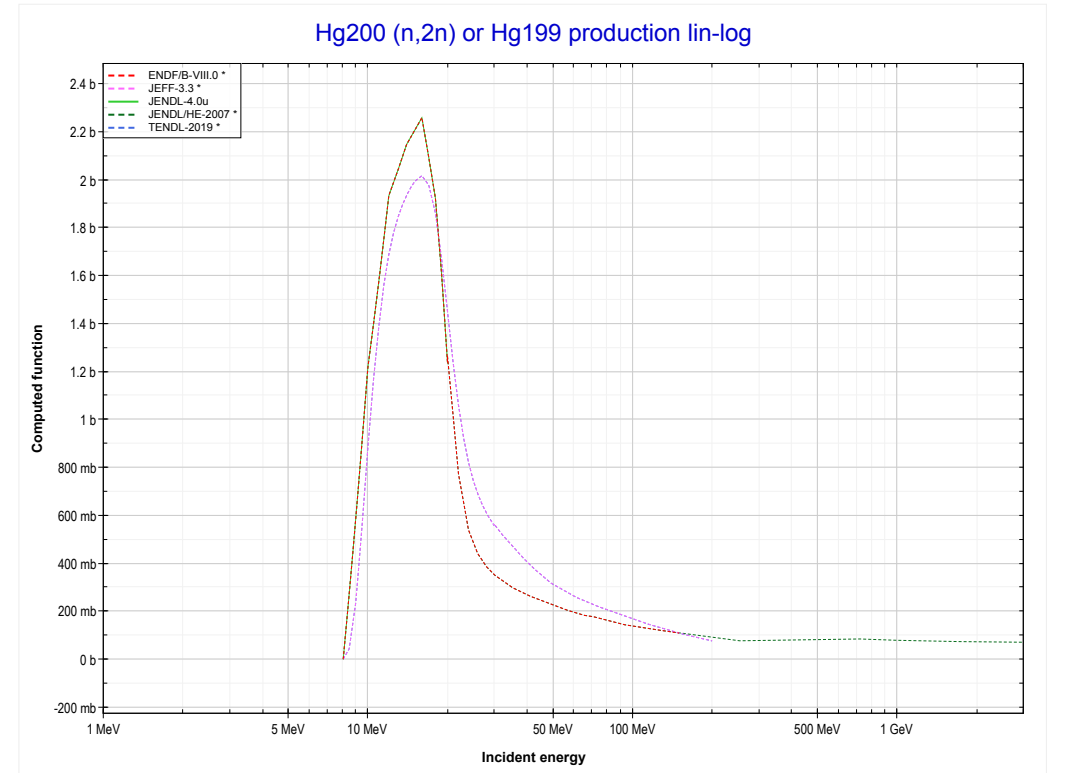
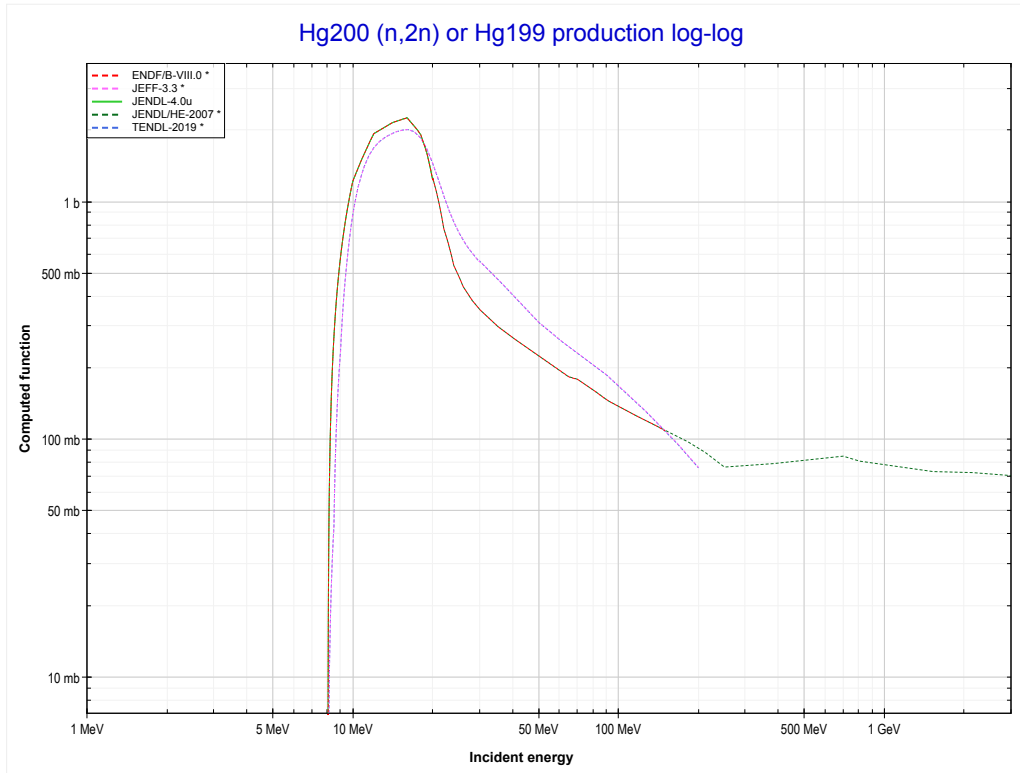
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2149.6 b | 2147.91 b | 2123.9 b | 0.98877 | 436.5 b | 0.0307882 b | 0.00157407 b |
| ENDF/B-VIII.0 | 2149.65 b | 2149.65 b | 2126.8 b | 0.98935 | 439.019 b | 0.0305531 b | 1.96322E-7 b |
| JEFF-3.3 | 2150.45 b | 2150.45 b | 2127.4 b | 0.98929 | 438.998 b | 0.0290018 b | 0.00128214 b |
| JENDL-4.0u | 2149.65 b | 2149.65 b | 2126.8 b | 0.98935 | 439.016 b | 0.0305443 b | 1.96322E-7 b |
| JENDL/HE-2007 | 2149.27 b | 2149.27 b | 2125.5 b | 0.98895 | 438.289 b | 0.0305316 b | 1.96322E-7 b |
| TENDL-2019 | 2150.04 b | 2150.04 b | 2126.3 b | 0.98895 | 439.542 b | 0.0287147 b | 0.00128161 b |

| | | |
|-------------------------|--|--------------------------|
| << 80-Hg-198 | 80-Hg-199 | 80-Hg-200 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au199 production) | 80-Hg-200 MT16 (n,2n) >> |



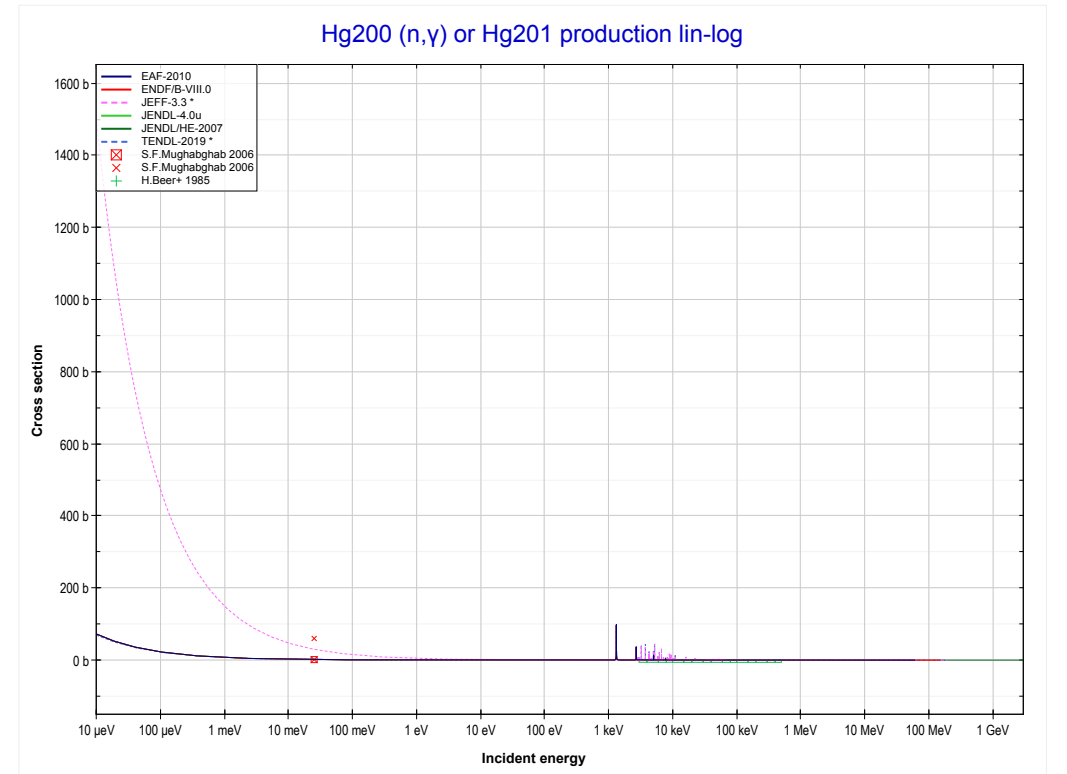
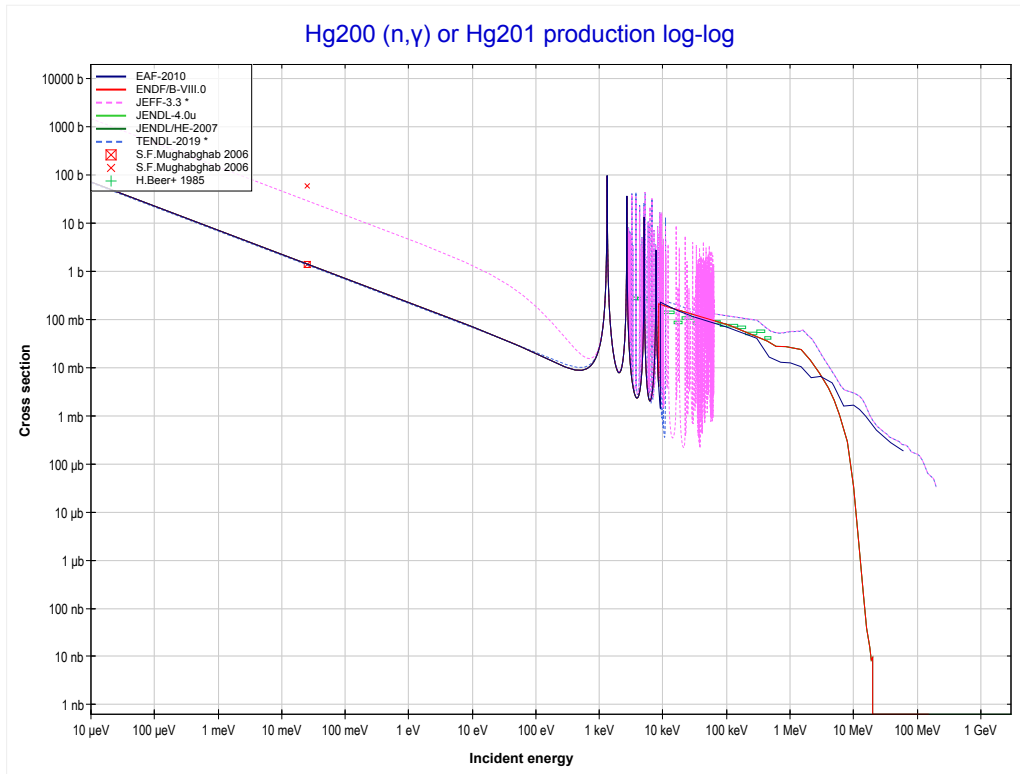
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.52679E-21 b | 4.52679E-21 b | 5.3344E-21 b | 0 | 5.52624E-20 b | 2.59227E-6 b | 0.00281868 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.87838E-6 b | 0.00358369 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 3.25806E-20 b | 4.32581E-6 b | 0.00519685 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.87838E-6 b | 0.00358369 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.87838E-6 b | 0.00358369 b |
| TENDL-2019 | 1.0025E-20 b | 1.0025E-20 b | 1.1313E-20 b | 1.12846 | 1.22073E-19 b | 4.3225E-6 b | 0.00519423 b |

| | | |
|--------------------------|--|-------------------------|
| << 80-Hg-198 | 80-Hg-200 | 80-Hg-204 >> |
| << 80-Hg-199 MT103 (n,p) | MT16 (n,2n) or MT5 (Hg199 production) | MT102 (n, γ) >> |



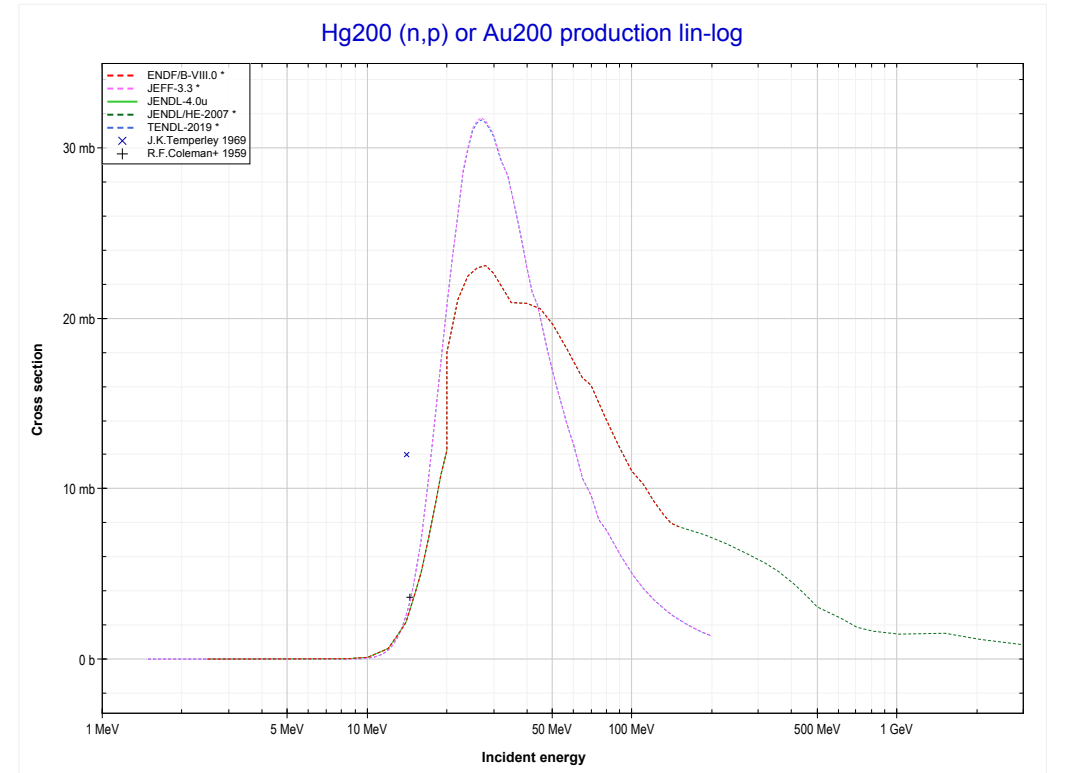
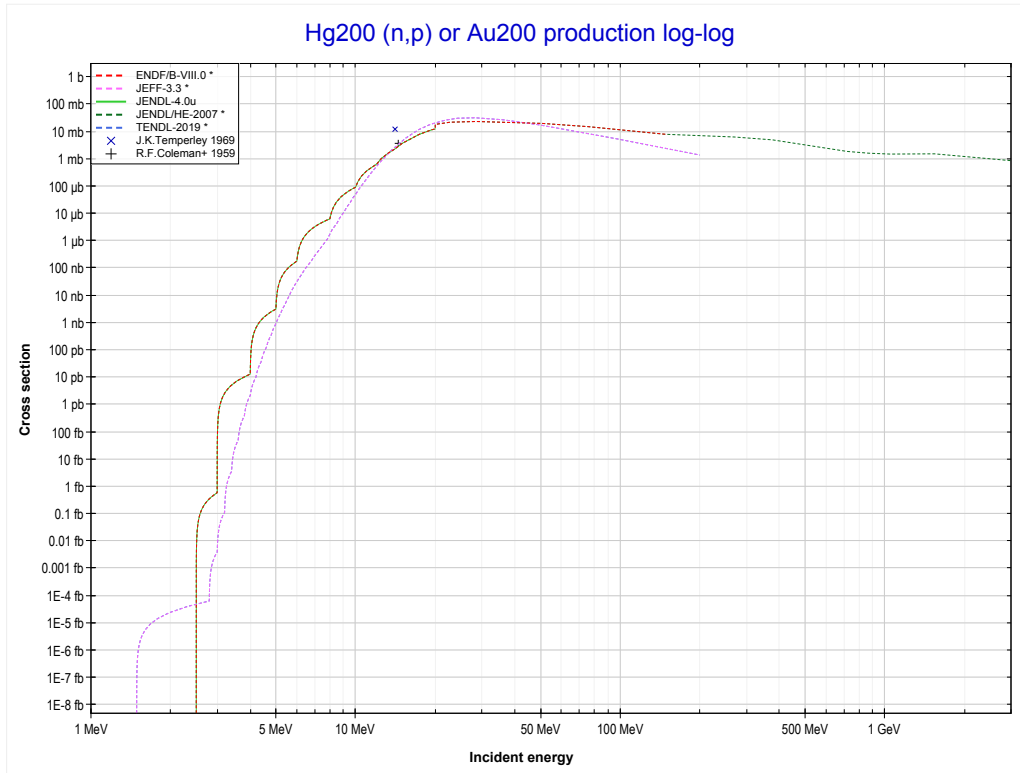
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00588782 b | 2.14618 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00405803 b | 1.93307 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00588782 b | 2.14618 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00588781 b | 2.14618 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00406365 b | 1.93365 b |

| | | |
|----------------|--|----------------|
| << 80-Hg-199 | 80-Hg-200 | 80-Hg-201 >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Hg201 production) | MT103 (n,p) >> |



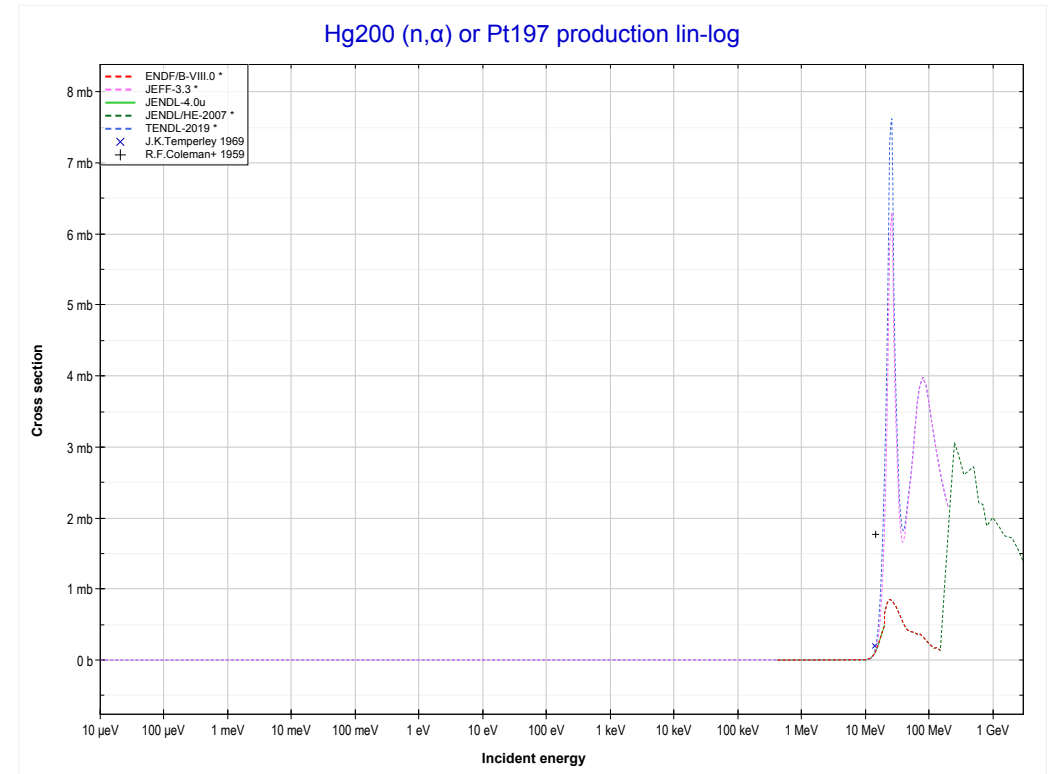
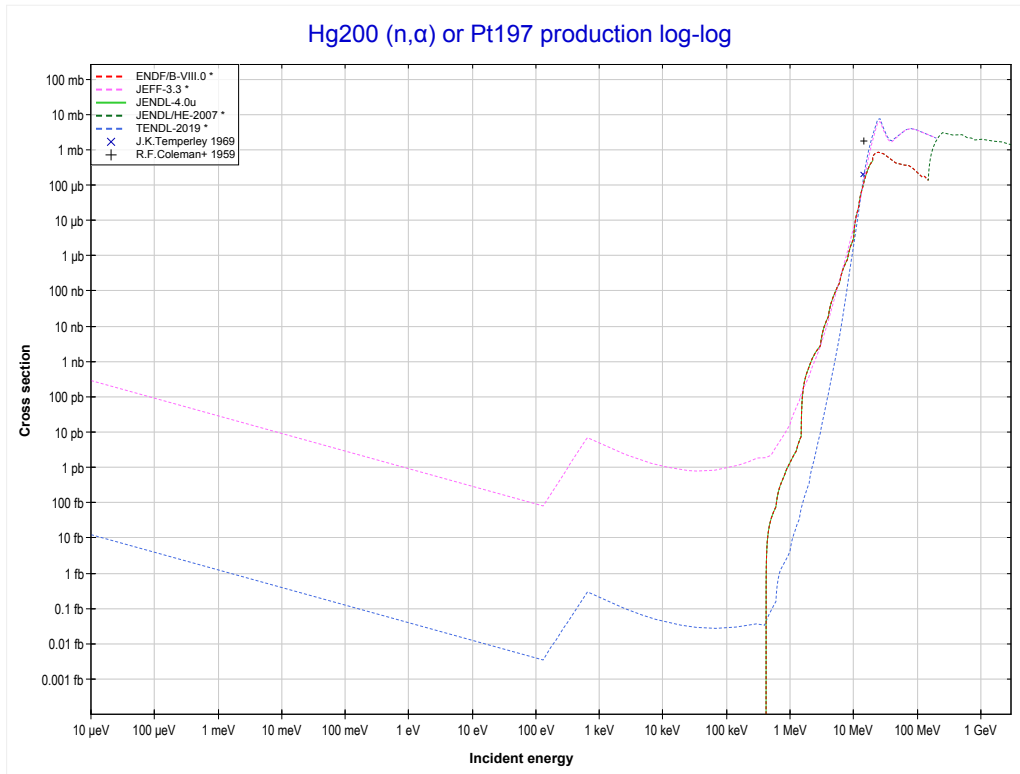
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.4428 b | 1.44172 b | 1.4416 b | 0.99995 | 2.40552 b | 0.0133506 b | 0.00116 b |
| ENDF/B-VIII.0 | 1.44309 b | 1.44309 b | 1.4437 b | 1.00041 | 2.44935 b | 0.0214809 b | 2.57437E-7 b |
| JEFF-3.3 | 29.8484 b | 29.8484 b | 29.853 b | 1.00016 | 13.7791 b | 0.0463792 b | 0.00213967 b |
| JENDL-4.0u | 1.44309 b | 1.44309 b | 1.4437 b | 1.00041 | 2.44903 b | 0.0214765 b | 2.57437E-7 b |
| JENDL/HE-2007 | 1.44277 b | 1.44277 b | 1.4428 b | 1.00003 | 2.44724 b | 0.021474 b | 2.57437E-7 b |
| TENDL-2019 | 1.38159 b | 1.38159 b | 1.3817 b | 1.00004 | 2.79974 b | 0.0465446 b | 0.00213505 b |

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|-------------------------|--|-------------------------|
| << 80-Hg-199 | 80-Hg-200 | 80-Hg-201 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au200 production) | MT107 (n, α) >> |



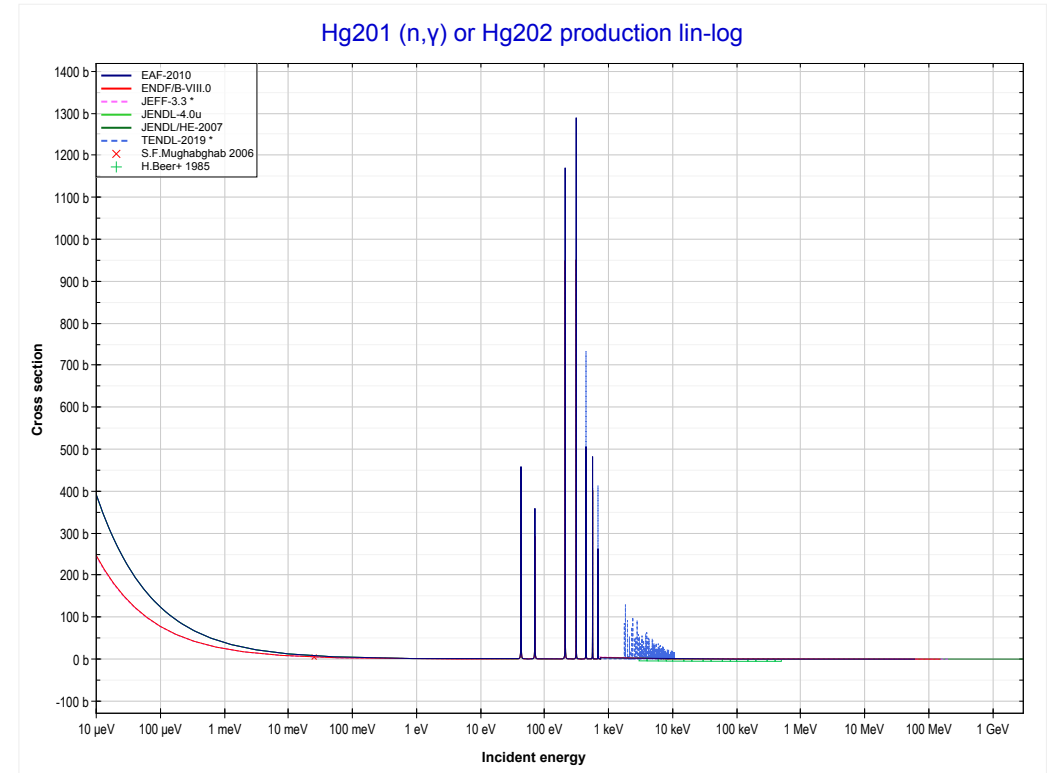
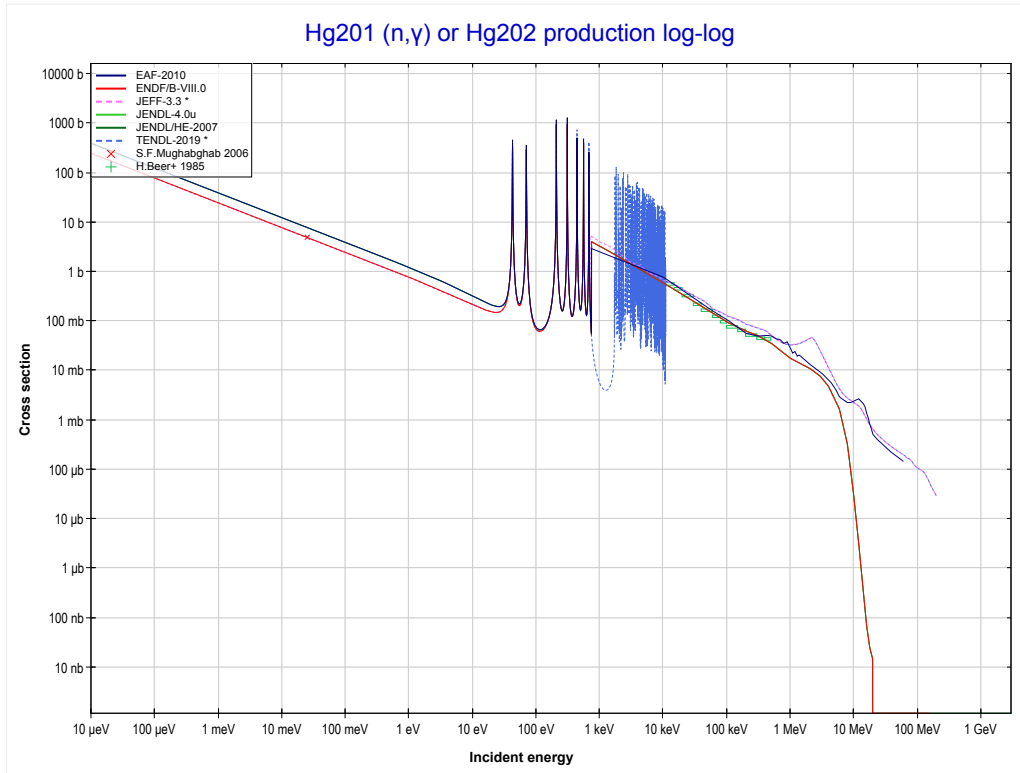
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67099E-6 b | 0.0021395 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39175E-6 b | 0.00247866 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.67099E-6 b | 0.0021395 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.67099E-6 b | 0.0021395 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.40787E-6 b | 0.00250665 b |

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|----------------|--|-----------------------------------|
| << 79-Au-197 | 80-Hg-200 | 80-Hg-202 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Pt197 production) | 80-Hg-201 MT102 (n, γ) >> |



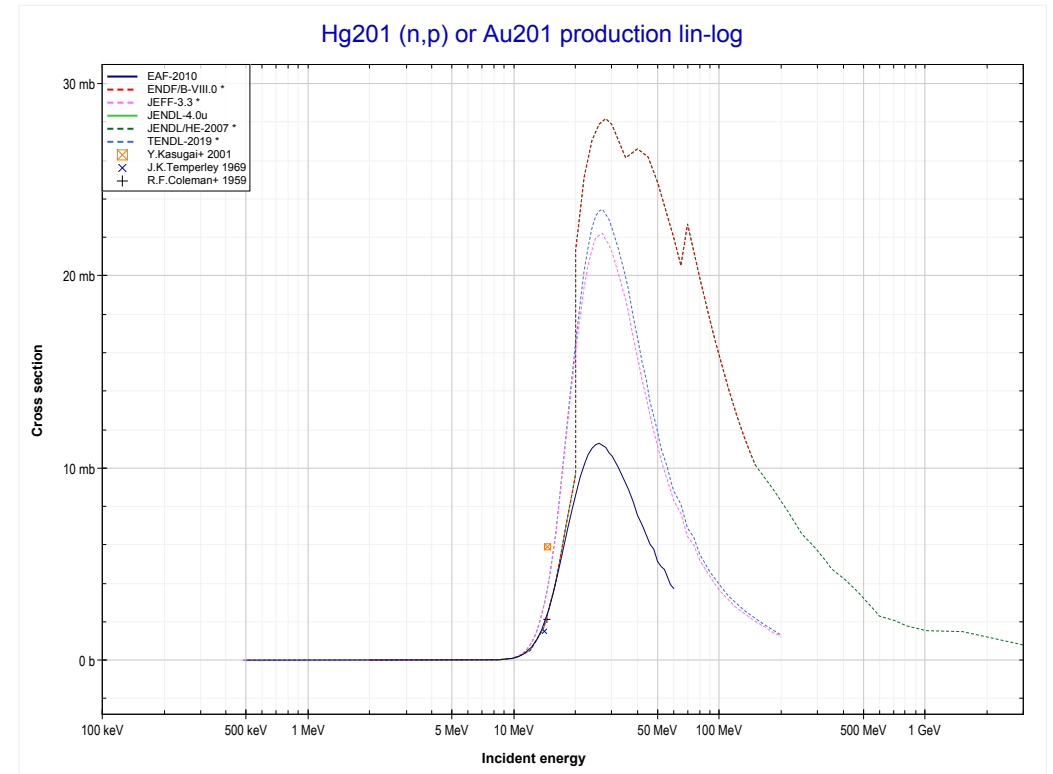
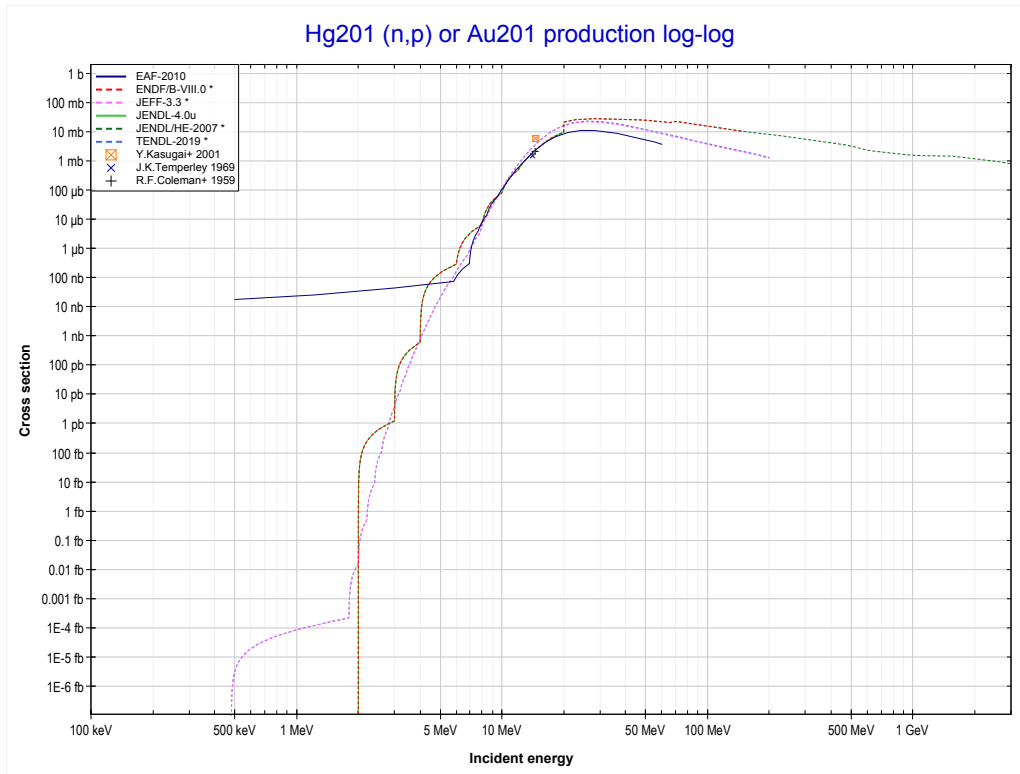
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.13434E-8 b | 8.95236E-5 b |
| JEFF-3.3 | 5.72288E-12 b | 5.72288E-12 b | 5.725E-12 b | 1.00037 | 1.4806E-11 b | 9.80087E-8 b | 9.10154E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.13435E-8 b | 8.95236E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 8.13434E-8 b | 8.95236E-5 b |
| TENDL-2019 | 2.4704E-16 b | 2.4704E-16 b | 2.4697E-16 b | 0.99971 | 6.1701E-16 b | 7.64276E-8 b | 1.15213E-4 b |

| | | |
|-----------------------------------|--|----------------|
| << 80-Hg-200 | 80-Hg-201 | 80-Hg-202 >> |
| << 80-Hg-200 MT107 (n, α) | MT102 (n,γ) or MT5 (Hg202 production) | MT103 (n,p) >> |



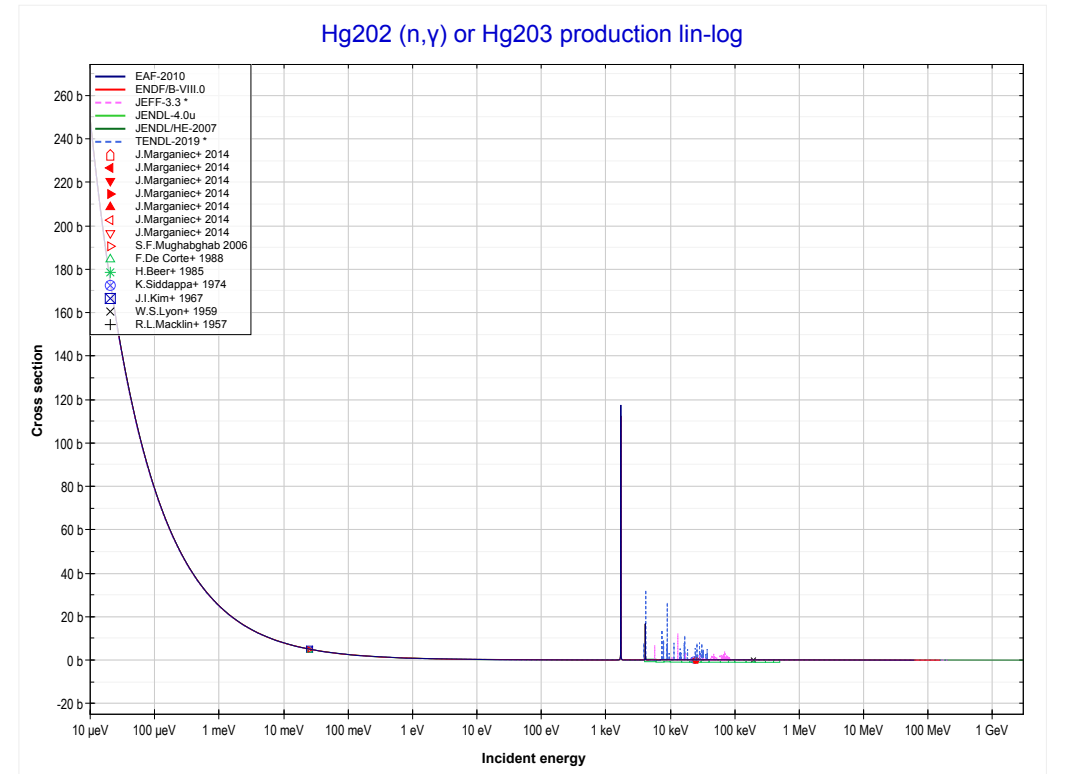
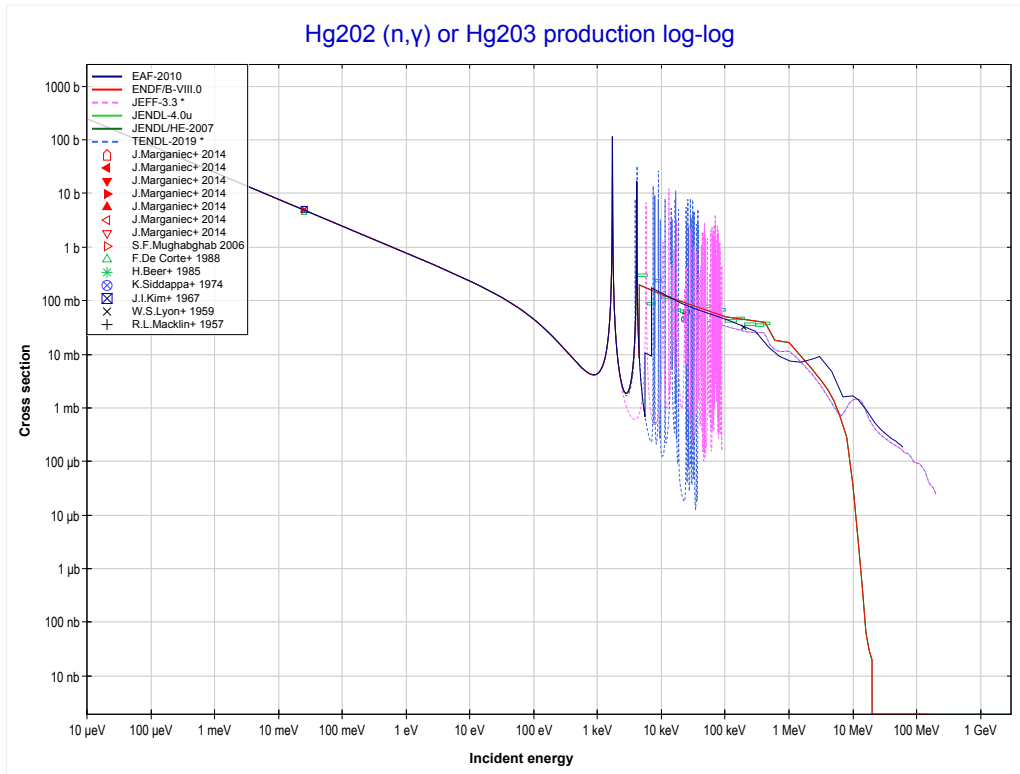
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.7826 b | 7.77691 b | 7.7897 b | 1.00166 | 33.9237 b | 0.0259549 b | 0.0021632 b |
| ENDF/B-VIII.0 | 4.9035 b | 4.9035 b | 4.9045 b | 1.0002 | 33.3206 b | 0.0202183 b | 4.21483E-7 b |
| JEFF-3.3 | 4.84827 b | 4.84827 b | 4.8492 b | 1.00018 | 34.719 b | 0.0398477 b | 0.00144998 b |
| JENDL-4.0u | 7.78392 b | 7.78392 b | 7.7849 b | 1.00013 | 34.3598 b | 0.0202174 b | 4.21483E-7 b |
| JENDL/HE-2007 | 7.78263 b | 7.78263 b | 7.7806 b | 0.99974 | 34.3367 b | 0.0202124 b | 4.21483E-7 b |
| TENDL-2019 | 4.88133 b | 4.88133 b | 4.8804 b | 0.99982 | 33.5986 b | 0.039611 b | 0.00144825 b |

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|-------------------------|--|-----------------------------------|
| << 80-Hg-200 | 80-Hg-201 | 80-Hg-202 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au201 production) | 80-Hg-202 MT102 (n, γ) >> |



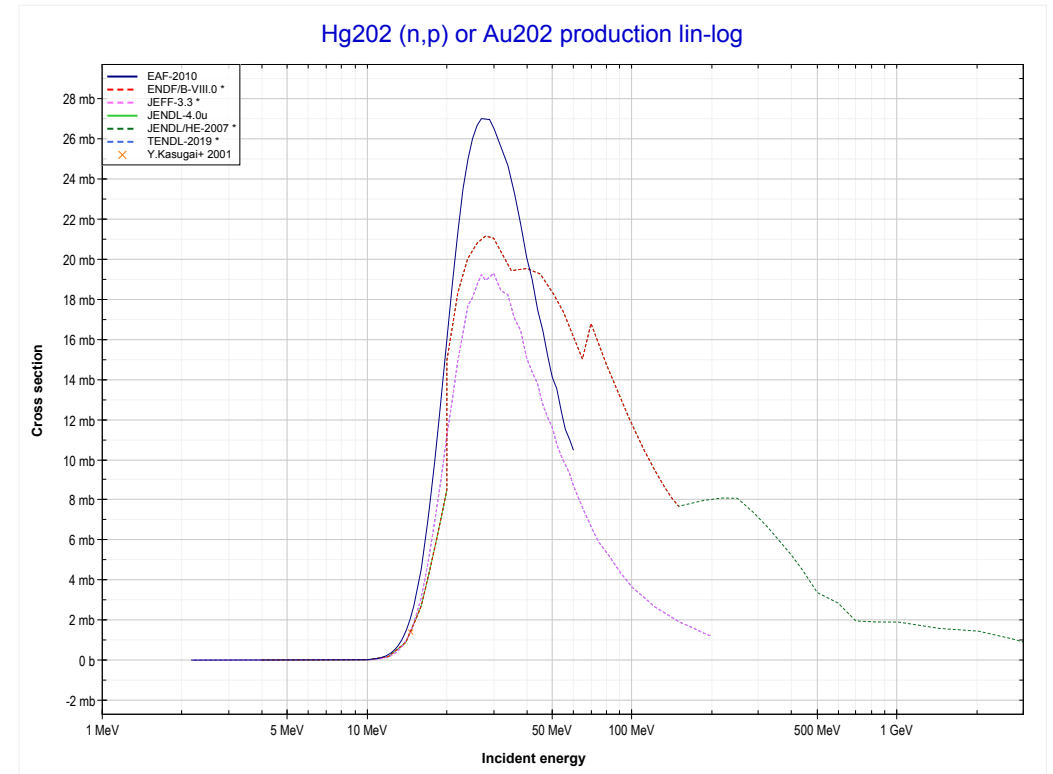
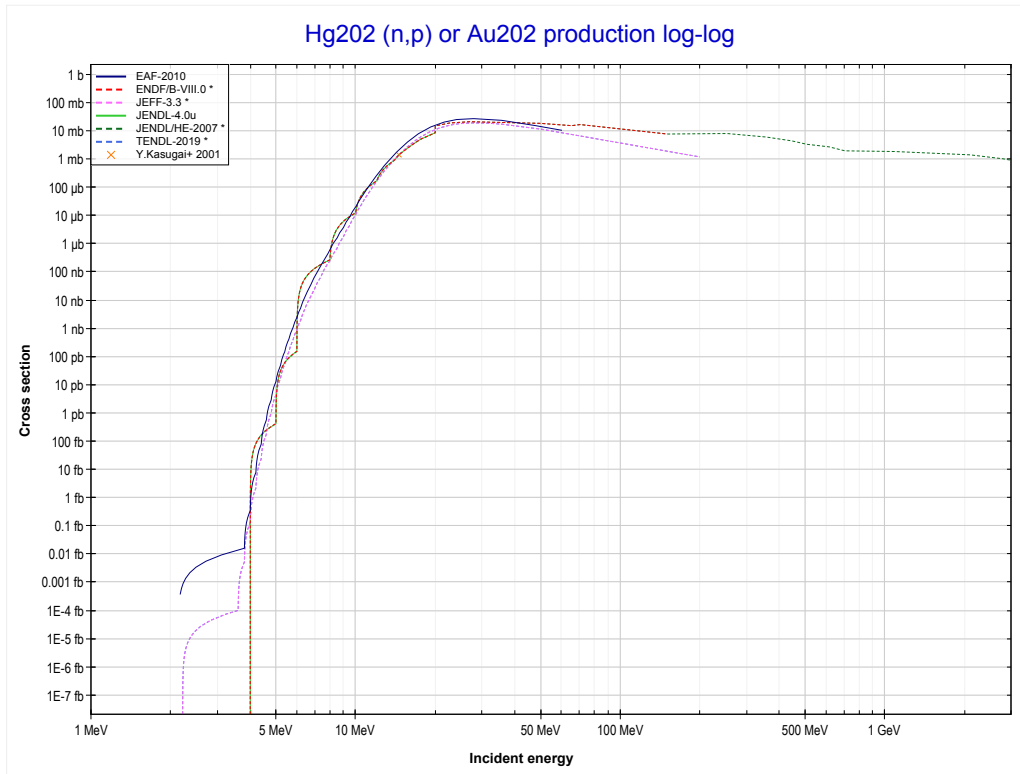
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.36651E-6 b | 0.00187756 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38277E-6 b | 0.00167863 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80309E-6 b | 0.00279593 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.38277E-6 b | 0.00167863 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.38277E-6 b | 0.00167863 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.80685E-6 b | 0.00279668 b |

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|--------------------------|--|----------------|
| << 80-Hg-201 | 80-Hg-202 | 80-Hg-204 >> |
| << 80-Hg-201 MT103 (n,p) | MT102 (n,y) or MT5 (Hg203 production) | MT103 (n,p) >> |



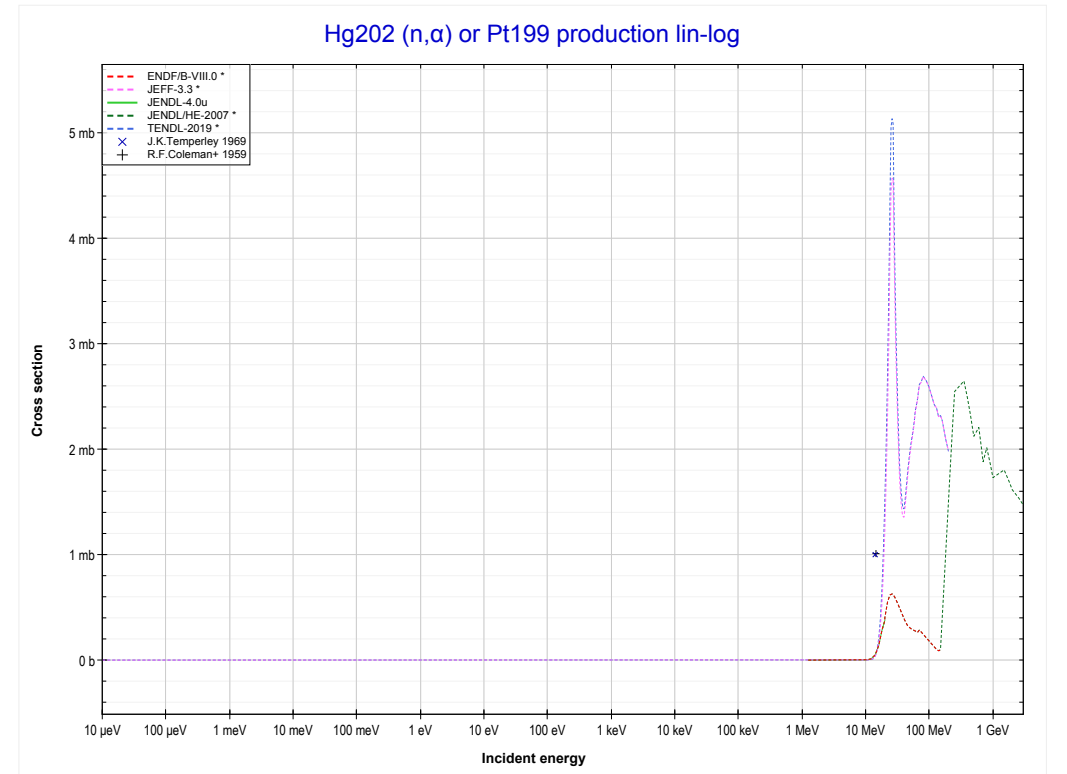
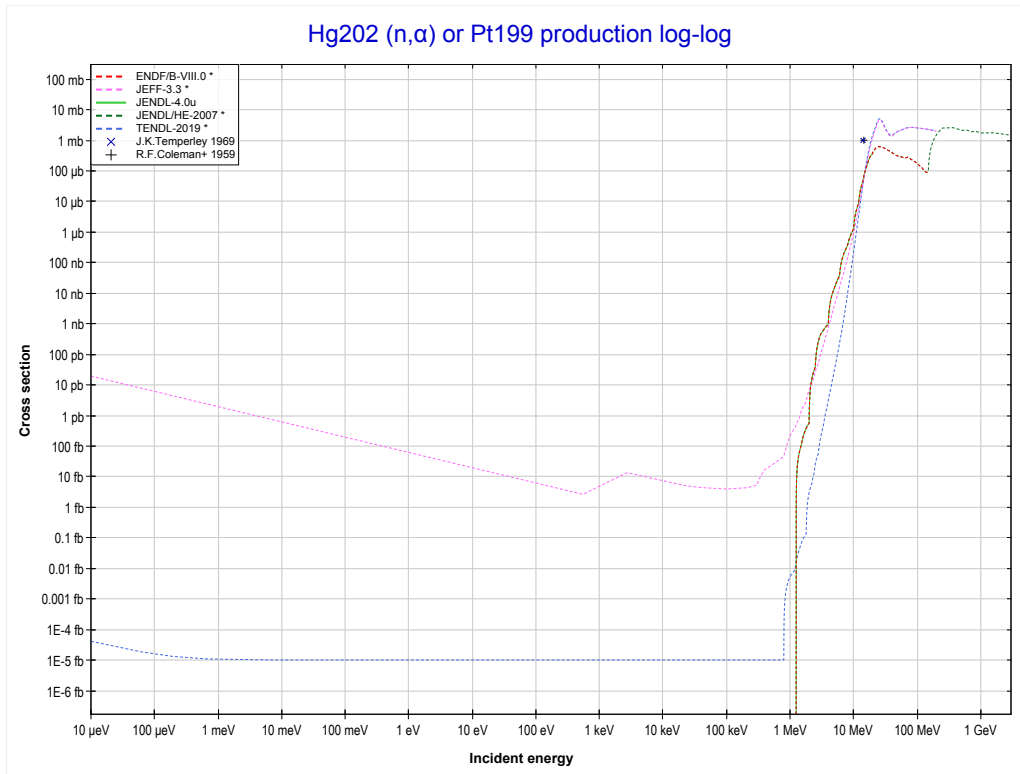
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.954 b | 4.95029 b | 4.9498 b | 0.9999 | 3.02354 b | 0.0104422 b | 0.00116 b |
| ENDF/B-VIII.0 | 4.95509 b | 4.95509 b | 4.9568 b | 1.00035 | 3.11983 b | 0.0135923 b | 4.76587E-7 b |
| JEFF-3.3 | 4.92026 b | 4.92026 b | 4.9214 b | 1.00024 | 2.77108 b | 0.00894434 b | 0.00126628 b |
| JENDL-4.0u | 4.95509 b | 4.95509 b | 4.9568 b | 1.00035 | 3.11952 b | 0.013589 b | 4.76587E-7 b |
| JENDL/HE-2007 | 4.954 b | 4.954 b | 4.9538 b | 0.99997 | 3.11539 b | 0.0135889 b | 4.76587E-7 b |
| TENDL-2019 | 4.91214 b | 4.91214 b | 4.912 b | 0.99997 | 2.95608 b | 0.00906014 b | 0.00126574 b |

| | | |
|-------------------------|--|-------------------------|
| << 80-Hg-201 | 80-Hg-202 | 80-Hg-204 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au202 production) | MT107 (n, α) >> |



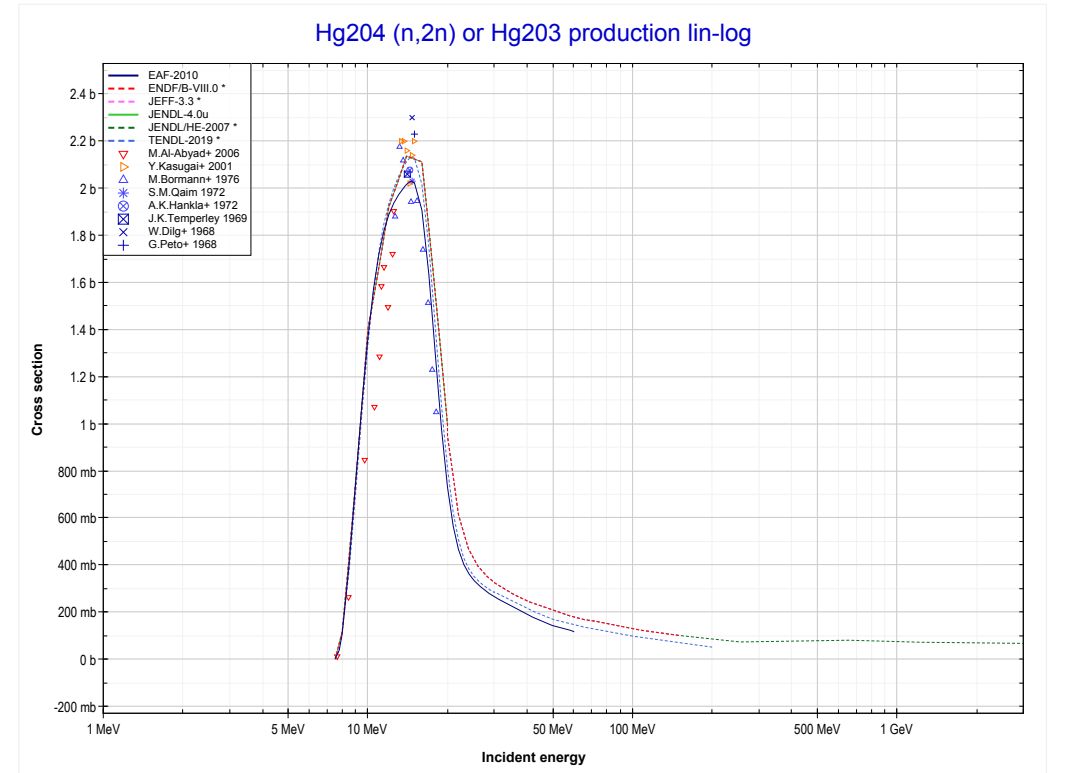
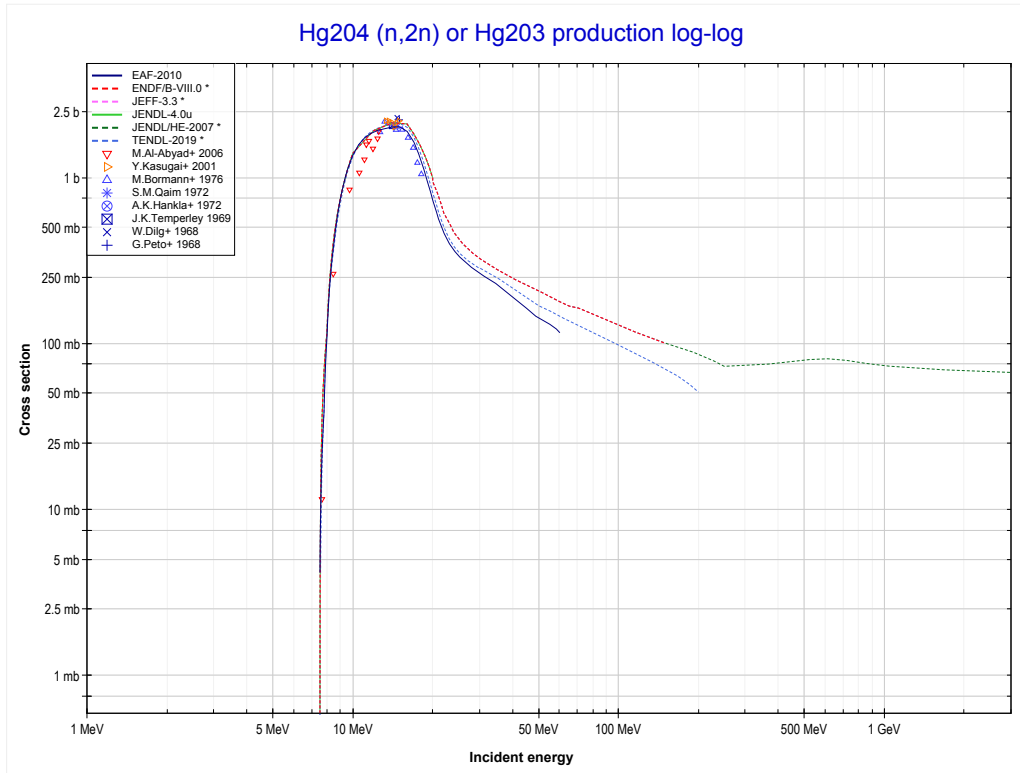
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.94969E-7 b | 0.00142884 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.64072E-7 b | 8.87075E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.19789E-7 b | 9.4826E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.64072E-7 b | 8.87075E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.6407E-7 b | 8.87075E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 5.19788E-7 b | 9.483E-4 b |

| | | |
|----------------|--|--------------------------|
| << 80-Hg-200 | 80-Hg-202 | 81-Tl-203 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Pt199 production) | 80-Hg-204 MT16 (n,2n) >> |



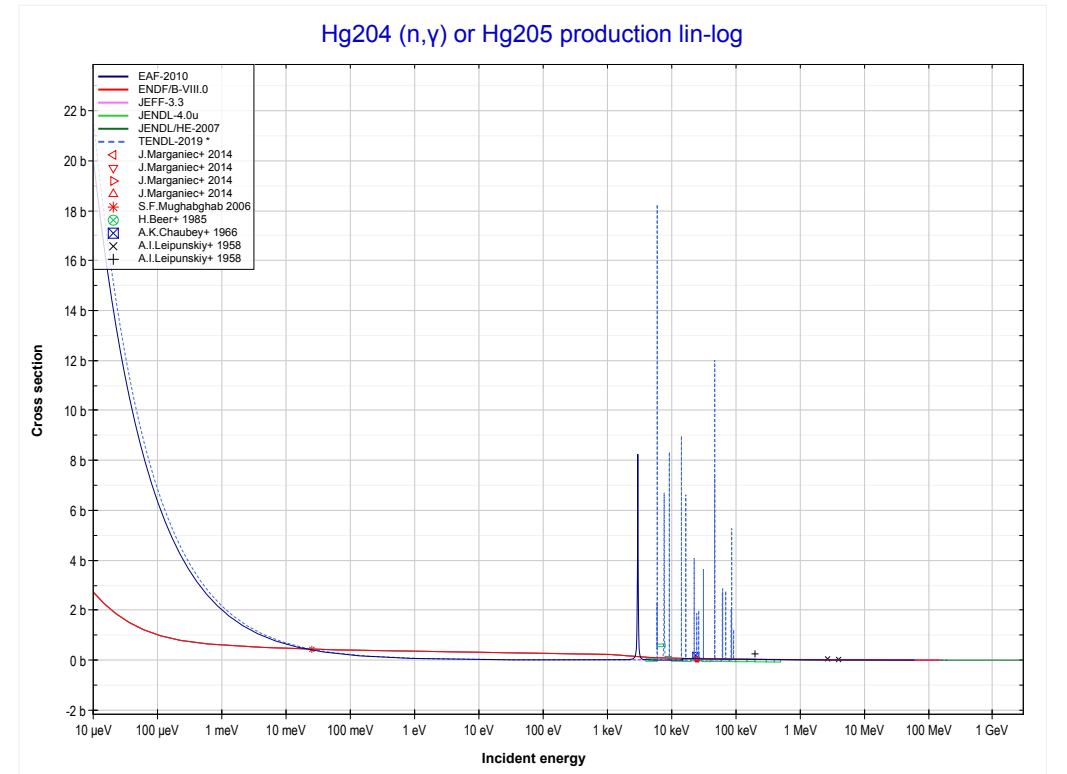
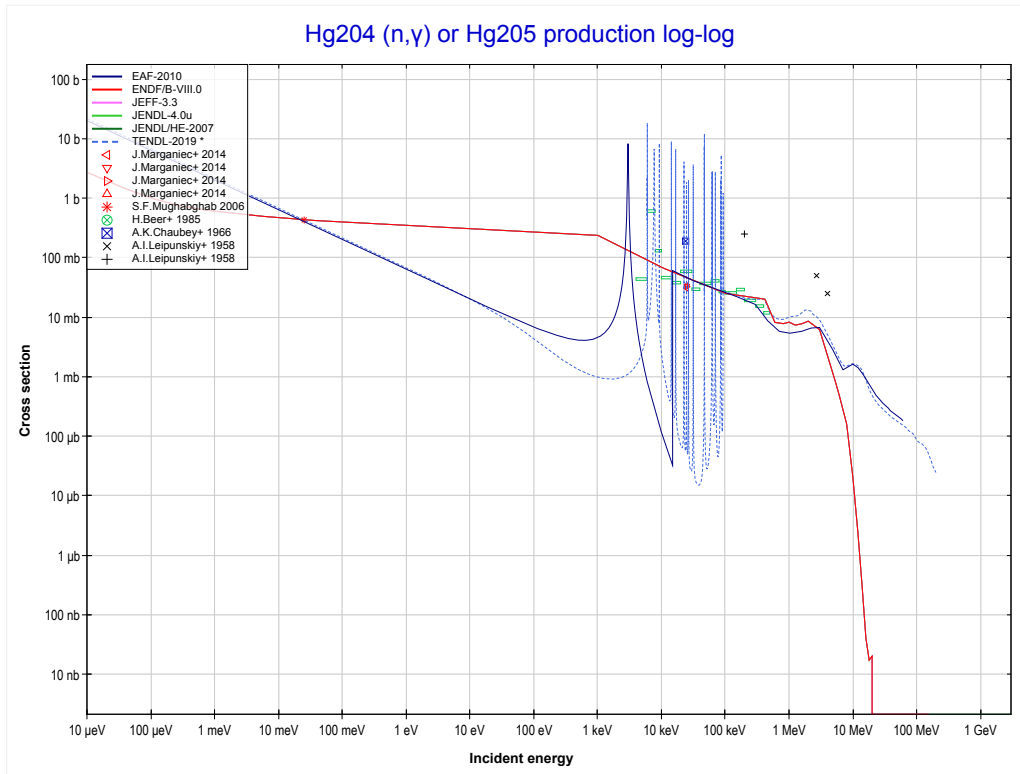
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.69133E-8 b | 4.5478E-5 b |
| JEFF-3.3 | 3.86612E-13 b | 3.86612E-13 b | 3.8676E-13 b | 1.00037 | 2.04115E-13 b | 2.90674E-8 b | 3.49882E-5 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.69133E-8 b | 4.5478E-5 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.69132E-8 b | 4.5478E-5 b |
| TENDL-2019 | 1.0025E-20 b | 1.0025E-20 b | 1.1313E-20 b | 1.12844 | 1.22073E-19 b | 2.60203E-8 b | 3.37846E-5 b |

| | | |
|-----------------------------------|--|-------------------------|
| << 80-Hg-200 | 80-Hg-204 | 81-Tl-203 >> |
| << 80-Hg-202 MT107 (n, α) | MT16 (n,2n) or MT5 (Hg203 production) | MT102 (n, γ) >> |



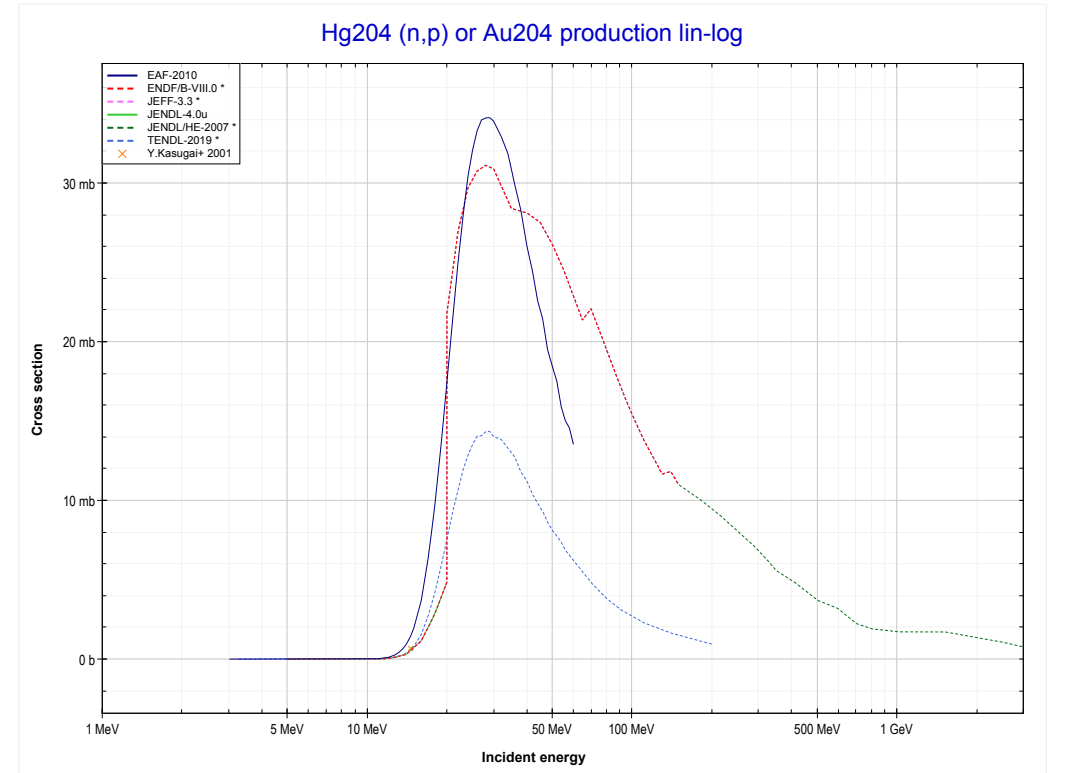
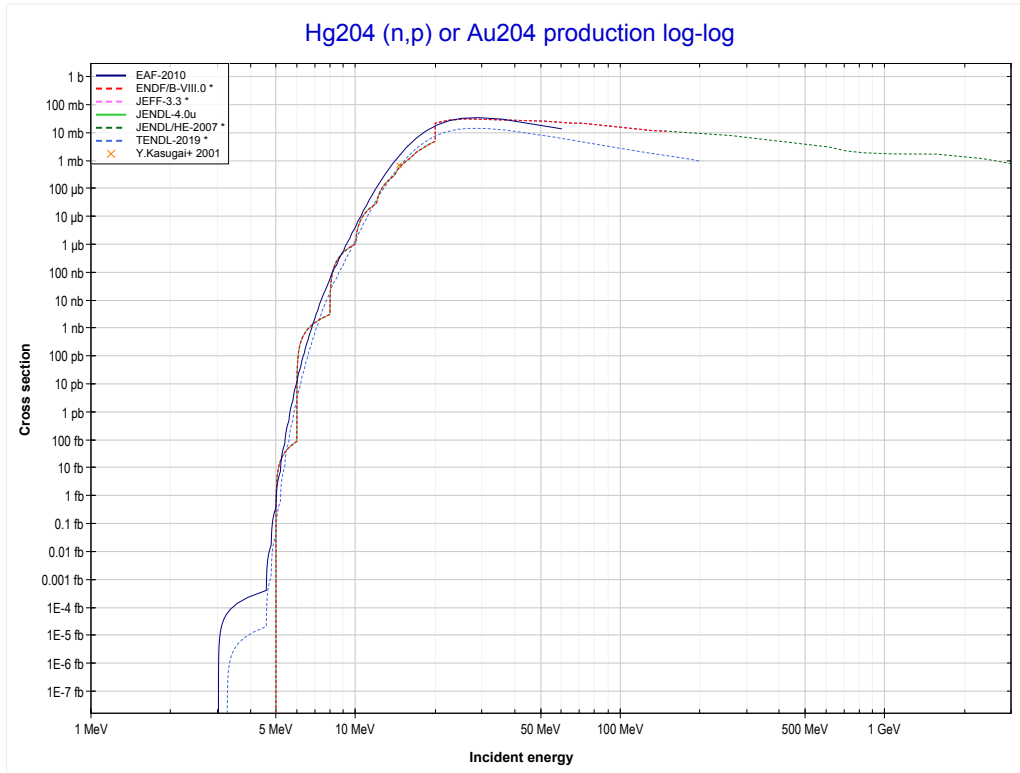
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00705244 b | 2.01734 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720142 b | 2.13674 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720142 b | 2.13674 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720142 b | 2.13674 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00720142 b | 2.13674 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00695111 b | 2.11423 b |

| | | |
|----------------|--|----------------|
| << 80-Hg-202 | 80-Hg-204 | 81-Tl-Nat >> |
| << MT16 (n,2n) | MT102 (n,γ) or MT5 (Hg205 production) | MT103 (n,p) >> |



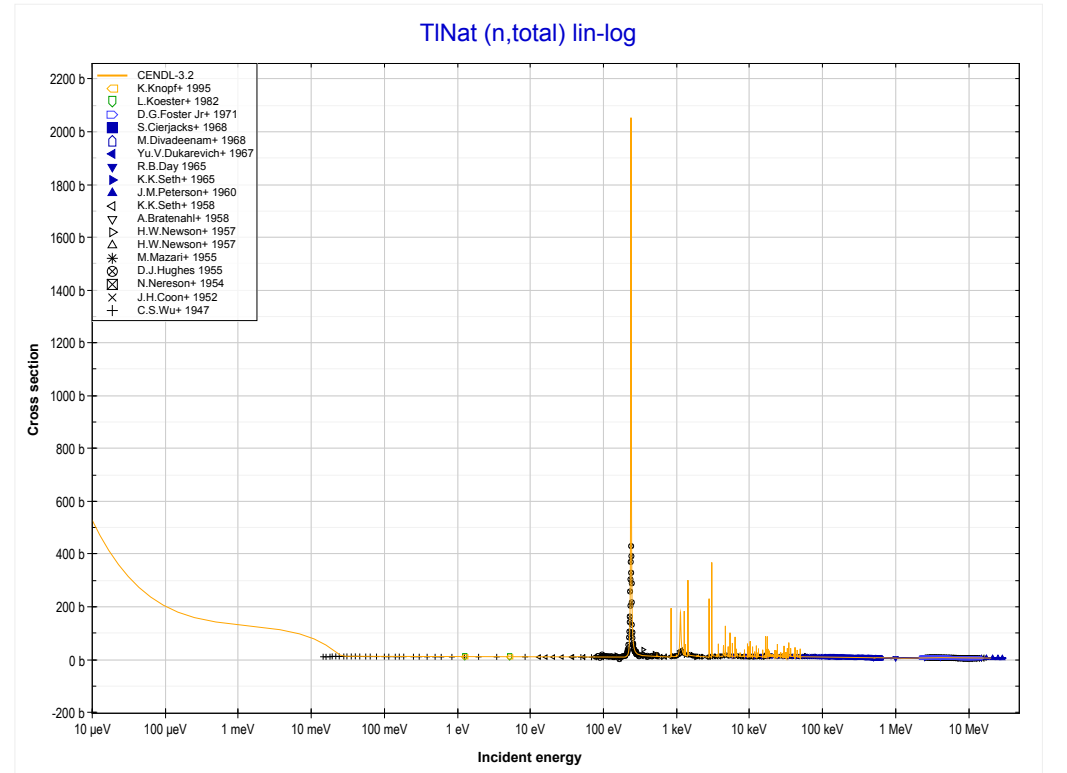
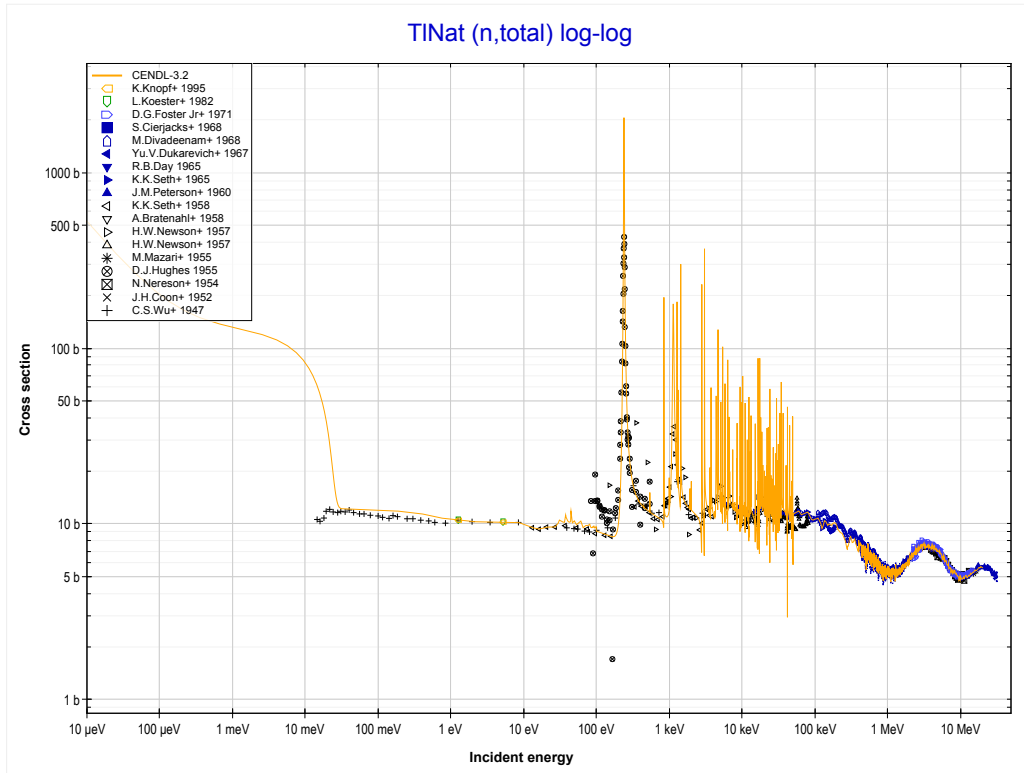
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.400007 b | 0.399708 b | 0.39971 b | 1.00001 | 0.569614 b | 0.00709108 b | 0.00115 b |
| ENDF/B-VIII.0 | 0.431456 b | 0.431456 b | 0.47854 b | 1.10913 | 2.67542 b | 0.00863624 b | 2.90458E-7 b |
| JEFF-3.3 | 0.431456 b | 0.431456 b | 0.47854 b | 1.10913 | 2.67542 b | 0.00863624 b | 2.90458E-7 b |
| JENDL-4.0u | 0.431456 b | 0.431456 b | 0.47854 b | 1.10913 | 2.67478 b | 0.00863603 b | 2.90458E-7 b |
| JENDL/HE-2007 | 0.431438 b | 0.431438 b | 0.47841 b | 1.10888 | 2.6731 b | 0.00863555 b | 2.90458E-7 b |
| TENDL-2019 | 0.431132 b | 0.431132 b | 0.43112 b | 0.99996 | 0.364934 b | 0.0108402 b | 0.00126373 b |

| | | |
|-------------------------|--|----------------------------|
| << 80-Hg-202 | 80-Hg-204 | 81-Tl-203 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Au204 production) | 81-Tl-Nat MT1 (n,total) >> |



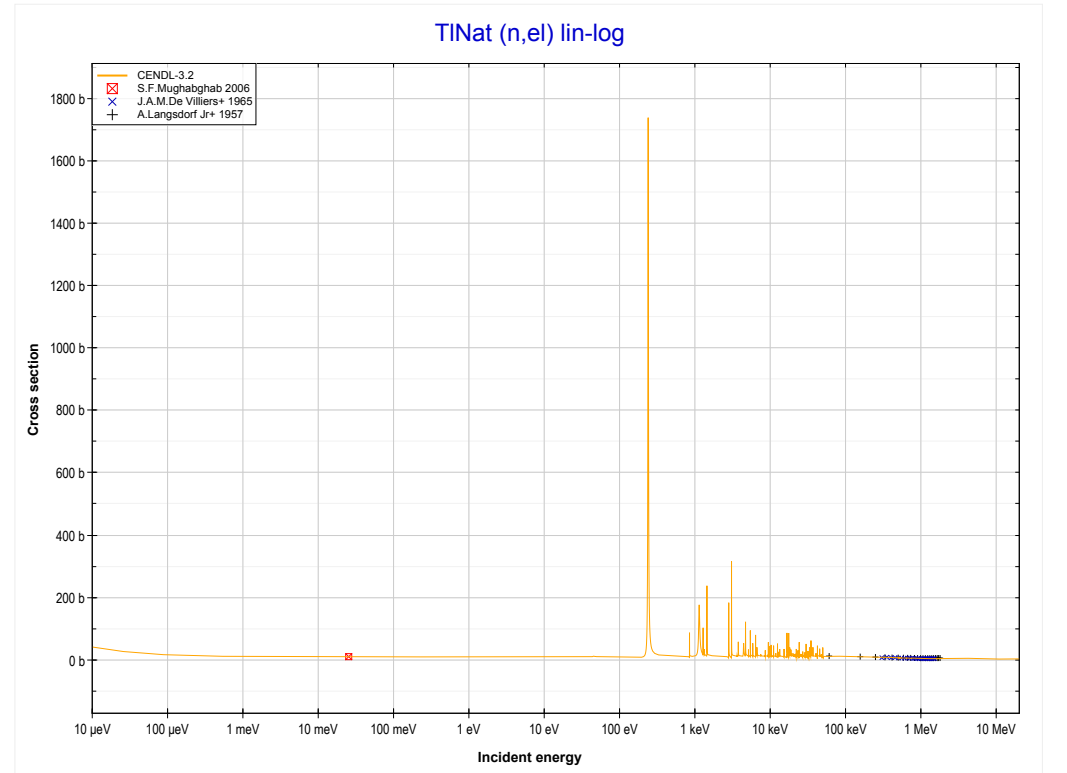
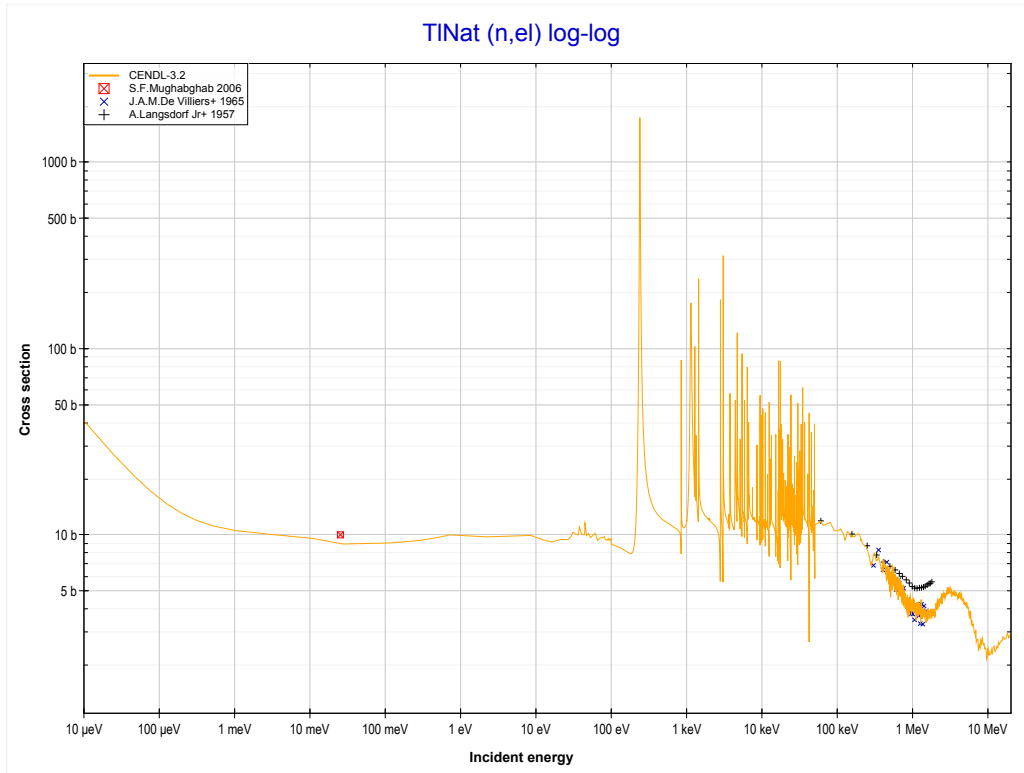
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13355E-7 b | 8.89135E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81174E-7 b | 2.8249E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81174E-7 b | 2.8249E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.81174E-7 b | 2.8249E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.81174E-7 b | 2.8249E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.08448E-7 b | 3.53715E-4 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 80-Hg-Nat | 81-Tl-Nat | 81-Tl-203 >> |
| << 80-Hg-204 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



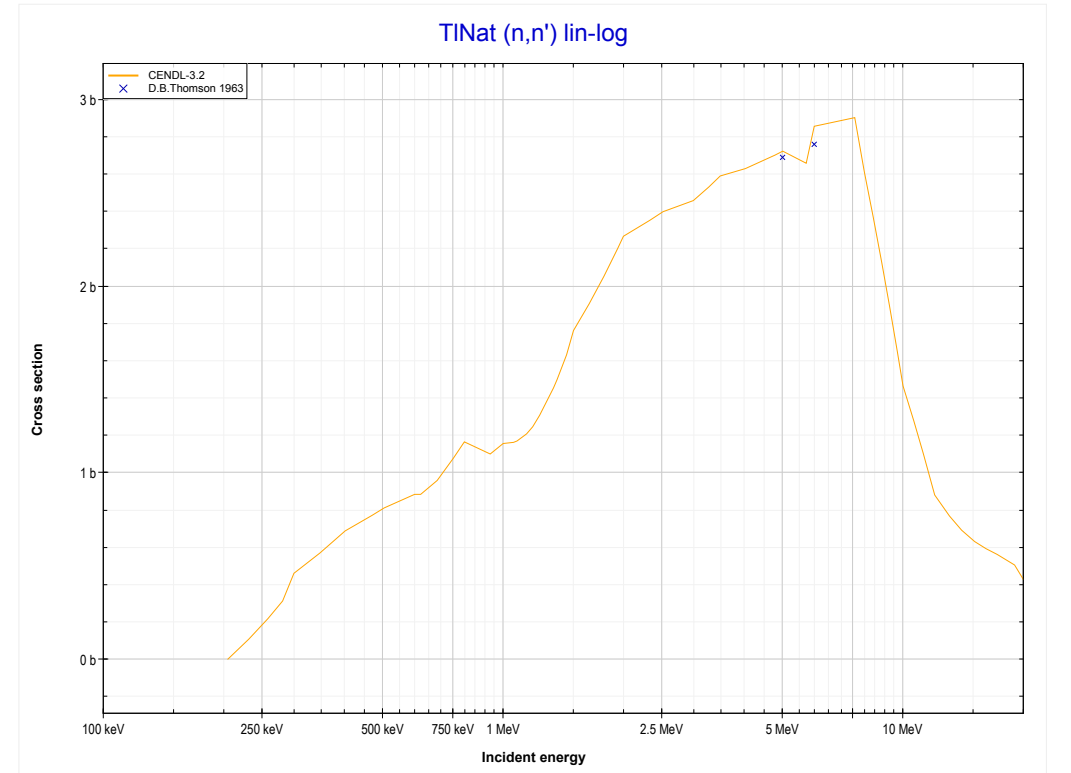
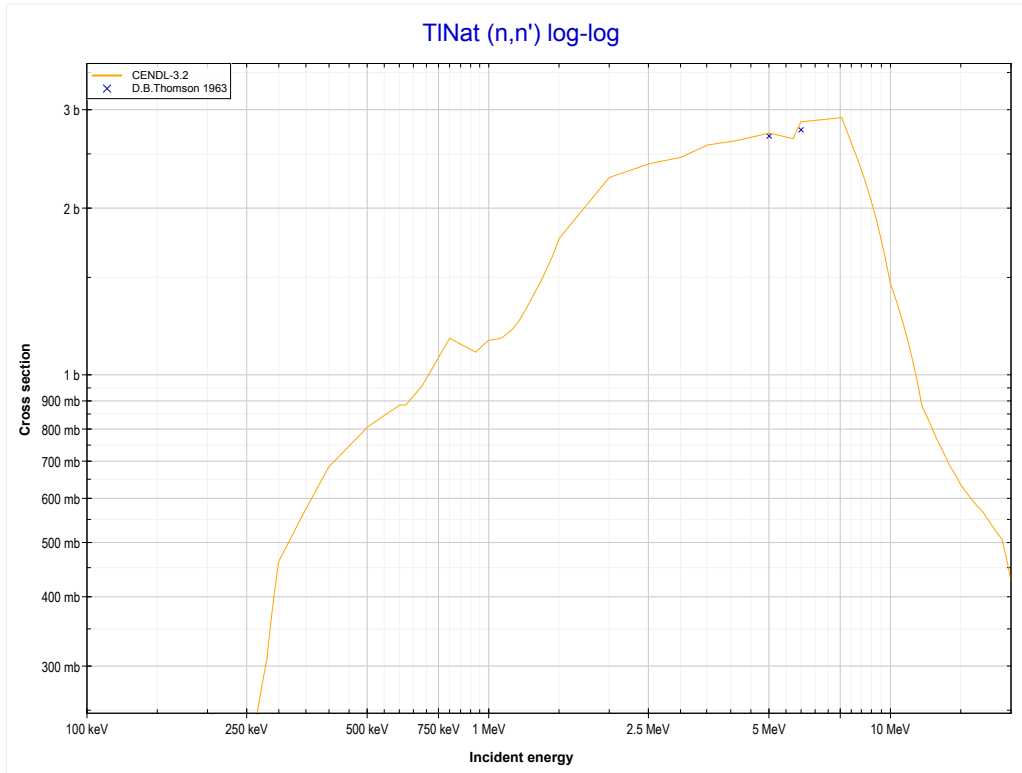
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 16.1589 b | 16.1589 b | 27.39 b | 1.69502 | 214.235 b | 6.58899 b | 5.17 b |

| | | |
|------------------|------------------------|---------------|
| << 80-Hg-199 | 81-Tl-Nat | 81-Tl-203 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



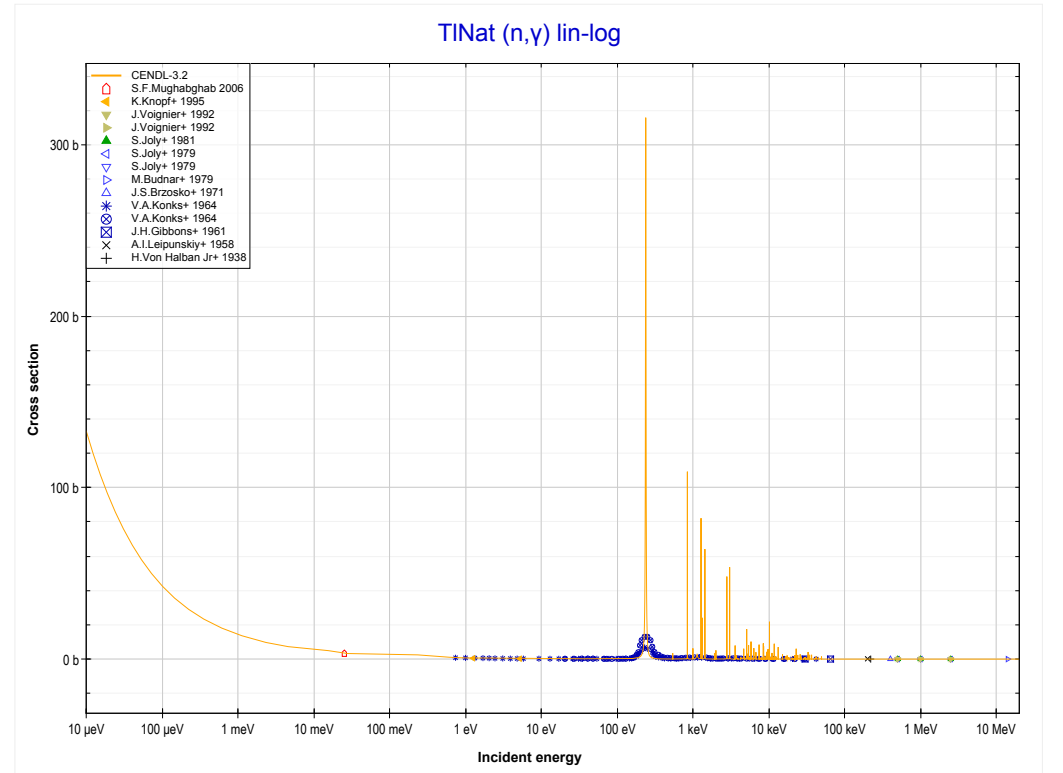
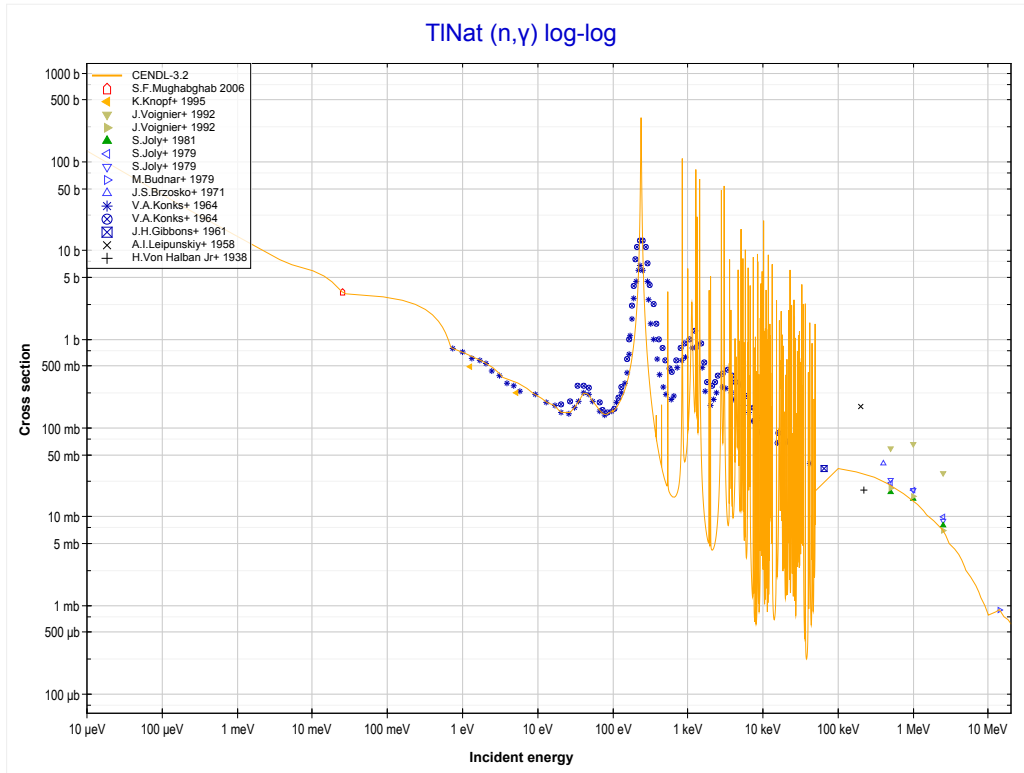
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 8.96147 b | 8.96147 b | 10.25 b | 1.14374 | 200.499 b | 4.86734 b | 2.5845 b |

| | | |
|--------------------|-------------------|-------------------------|
| << 80-Hg-199 | 81-Tl-Nat | 82-Pb-204 >> |
| << MT2 (n,elastic) | MT4 (n,n') | MT102 (n, γ) >> |



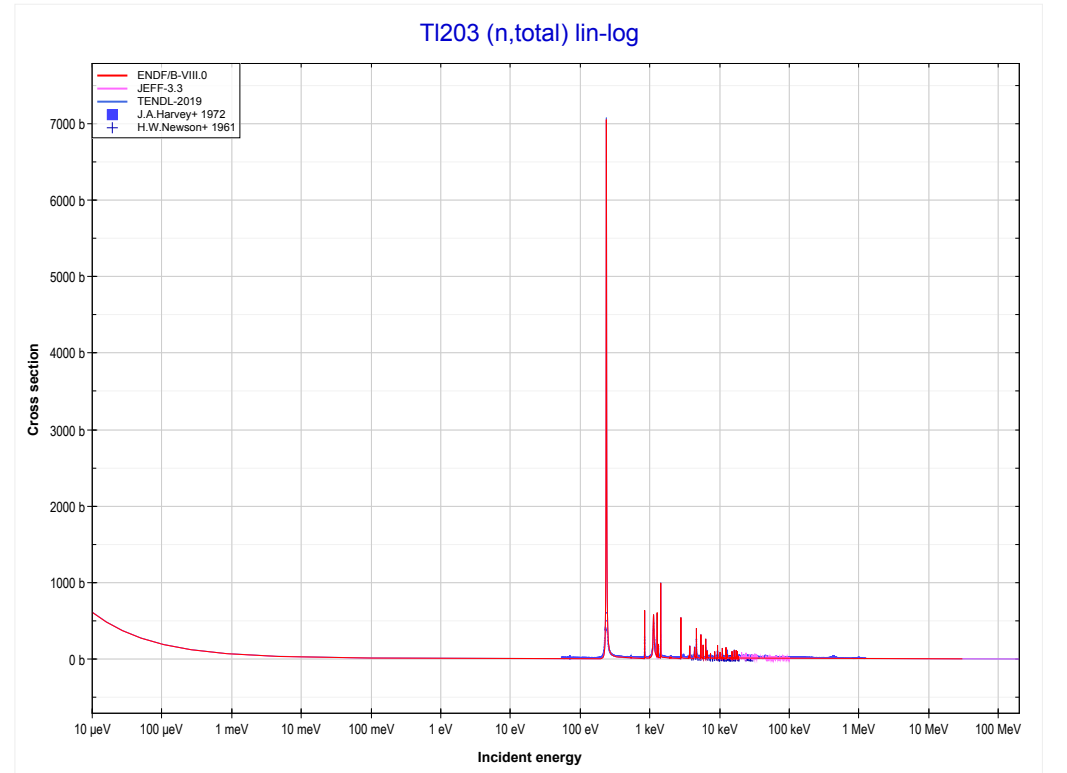
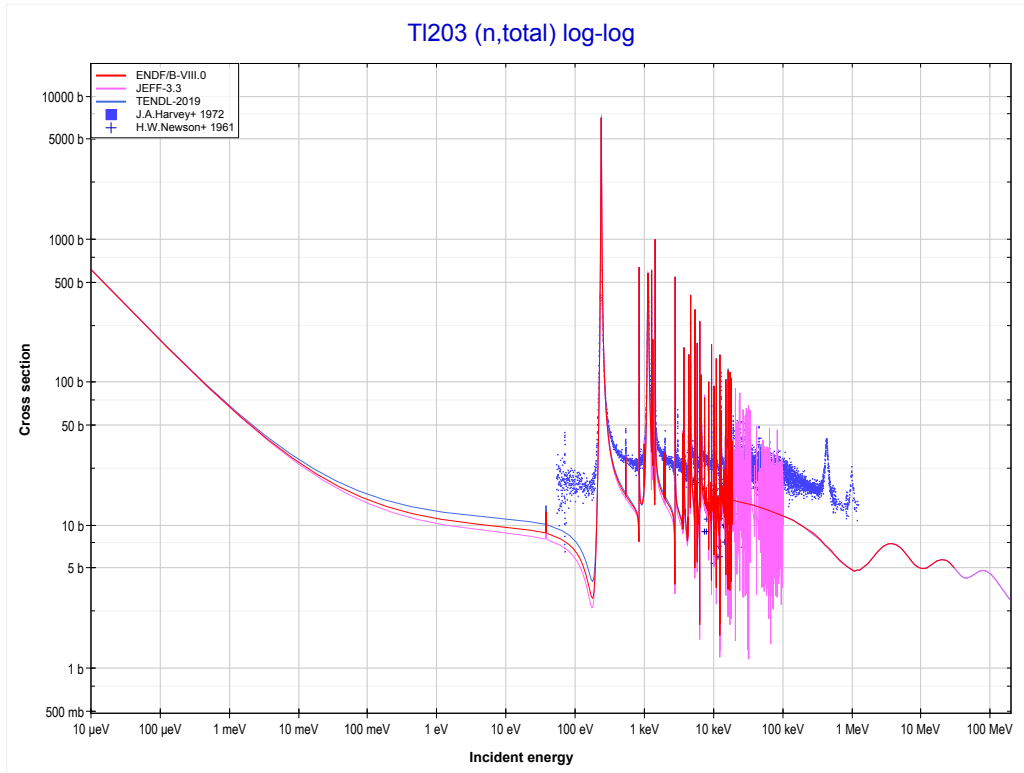
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.70346 b | 0.69244 b |

| | | |
|---------------|--------------------------------------|----------------------------|
| << 80-Hg-204 | 81-Tl-Nat | 81-Tl-203 >> |
| << MT4 (n,n') | MT102 (n,γ) | 81-Tl-203 MT1 (n,total) >> |



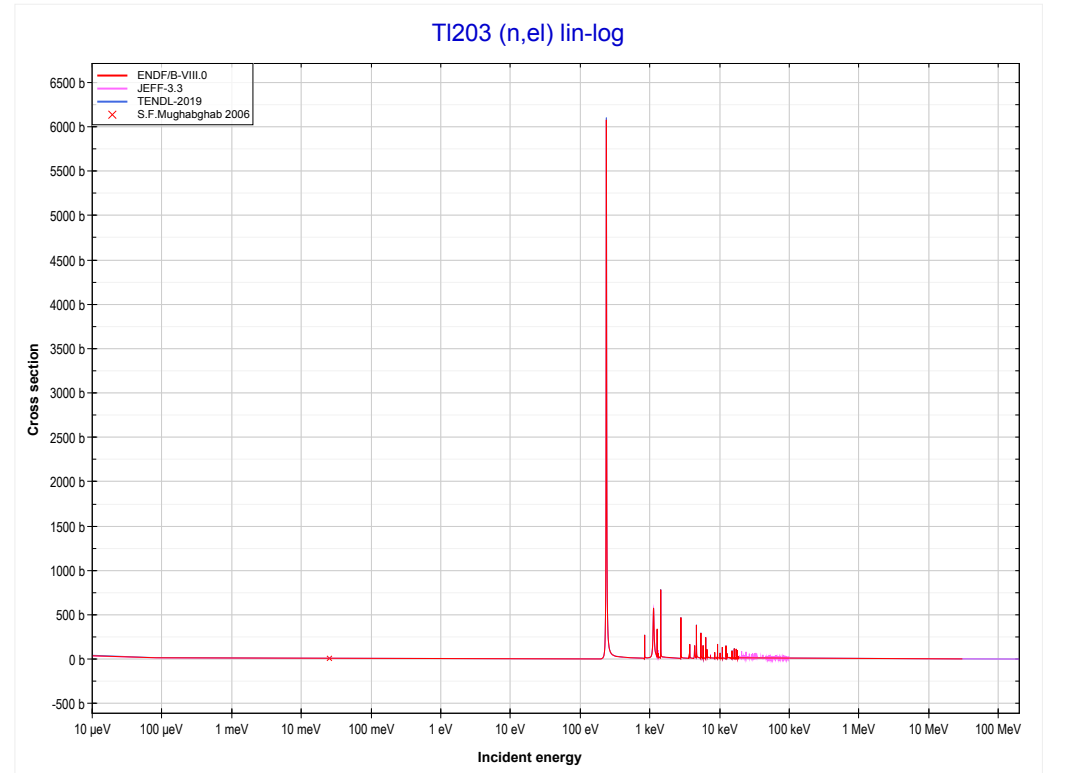
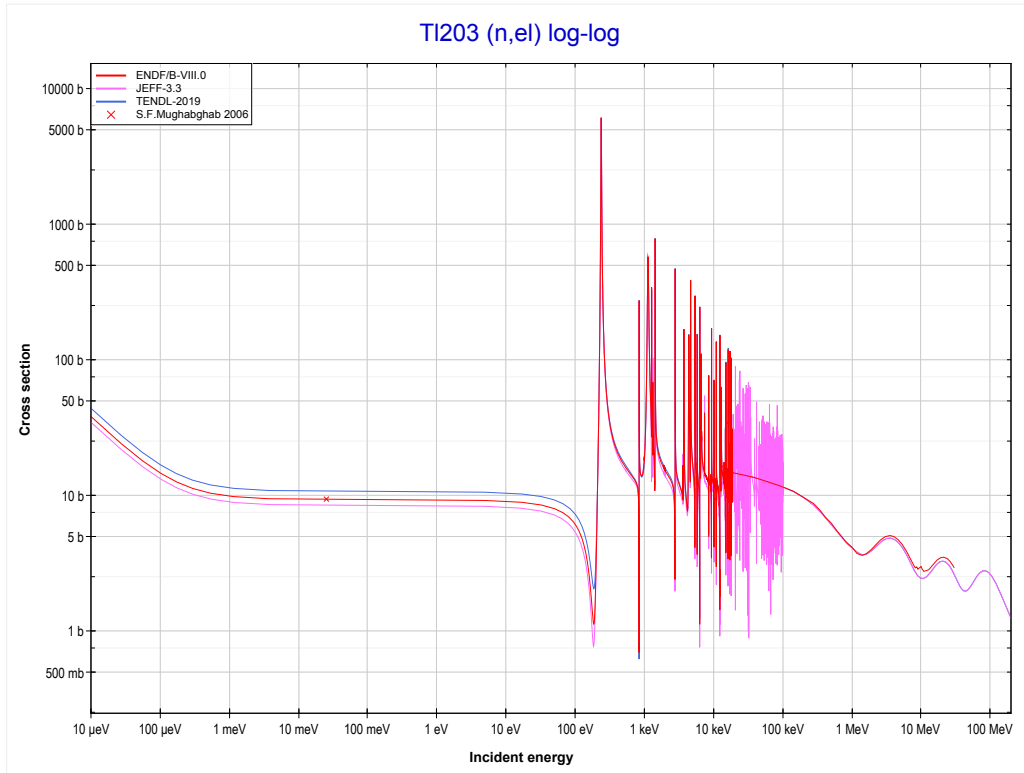
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|-----------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| CENDL-3.2 | 3.3971 b | 3.3971 b | 4.1119 b | 1.21043 | 13.7264 b | 0.0125016 b | 9.0036E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 81-Tl-Nat | 81-Tl-203 | 81-Tl-205 >> |
| << 81-Tl-Nat MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



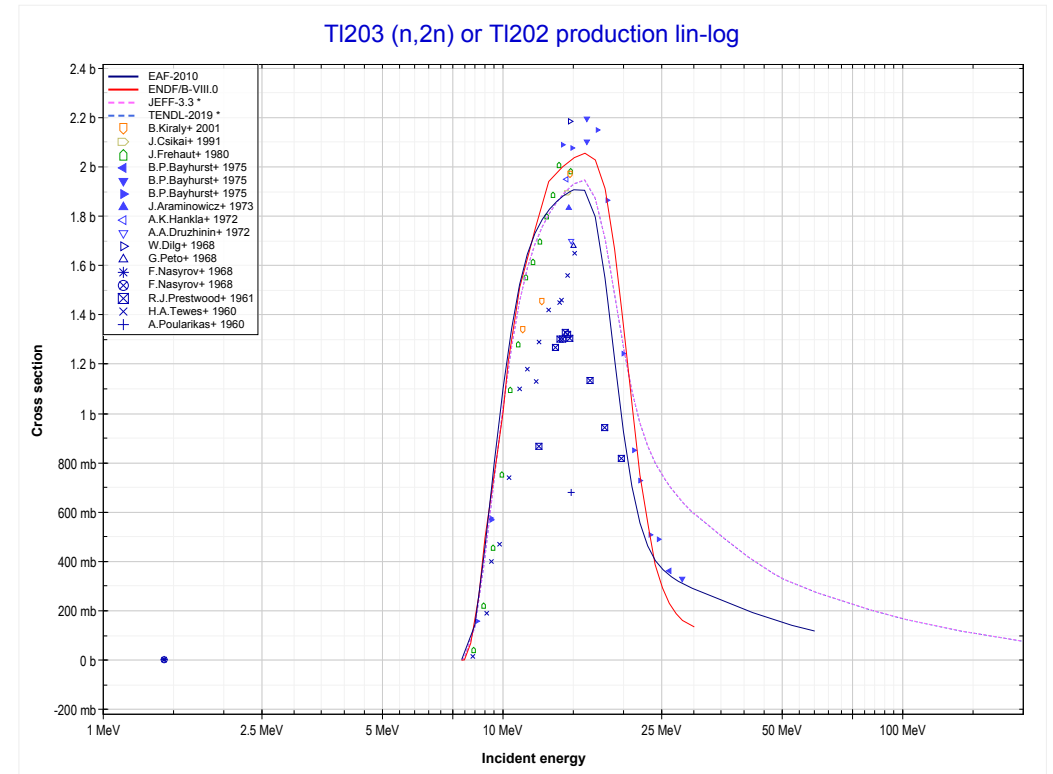
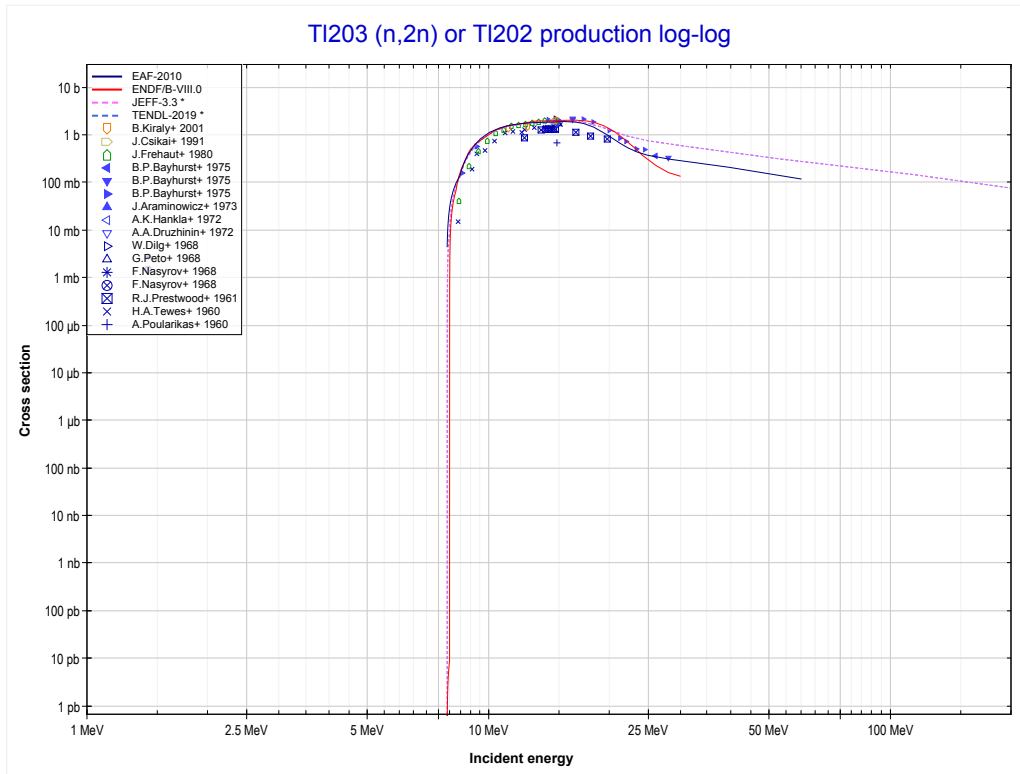
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.713 b | 20.713 b | 21.913 b | 1.05791 | 410.14 b | 6.40317 b | 5.24179 b |
| JEFF-3.3 | 19.923 b | 19.923 b | 21.009 b | 1.05452 | 398.32 b | 6.37432 b | 5.24563 b |
| TENDL-2019 | 22.0699 b | 22.0699 b | 23.446 b | 1.06233 | 419.974 b | 6.38421 b | 5.24563 b |

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|------------------|------------------------|----------------|
| << 81-Tl-Nat | 81-Tl-203 | 81-Tl-205 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



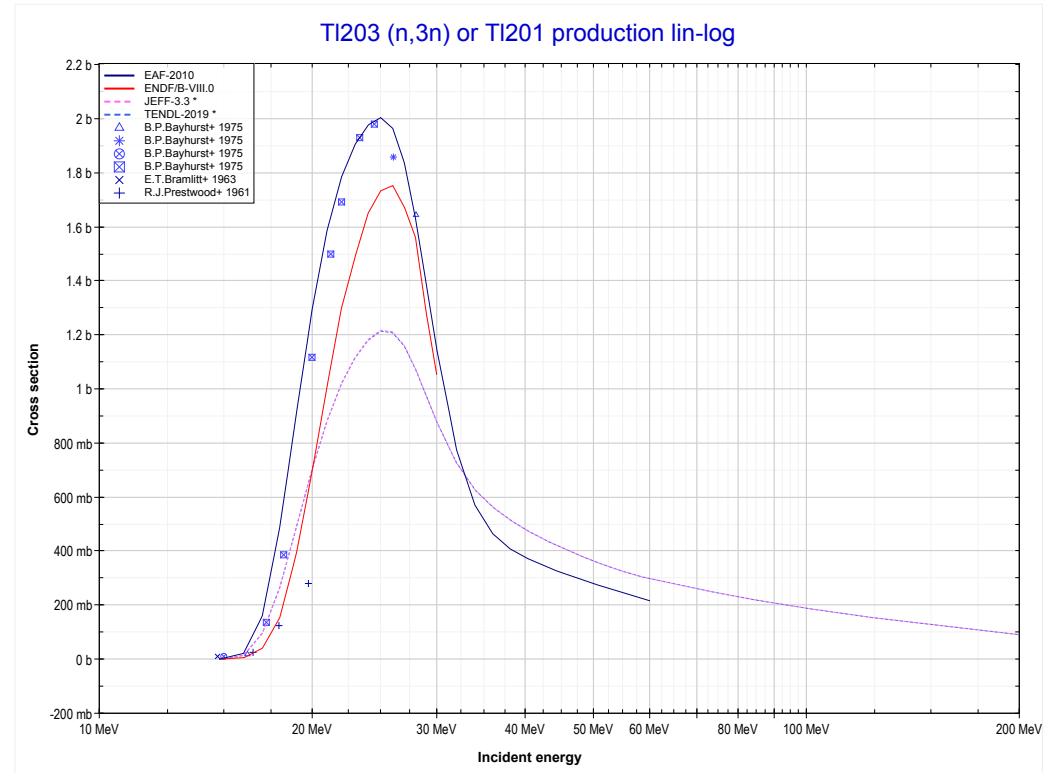
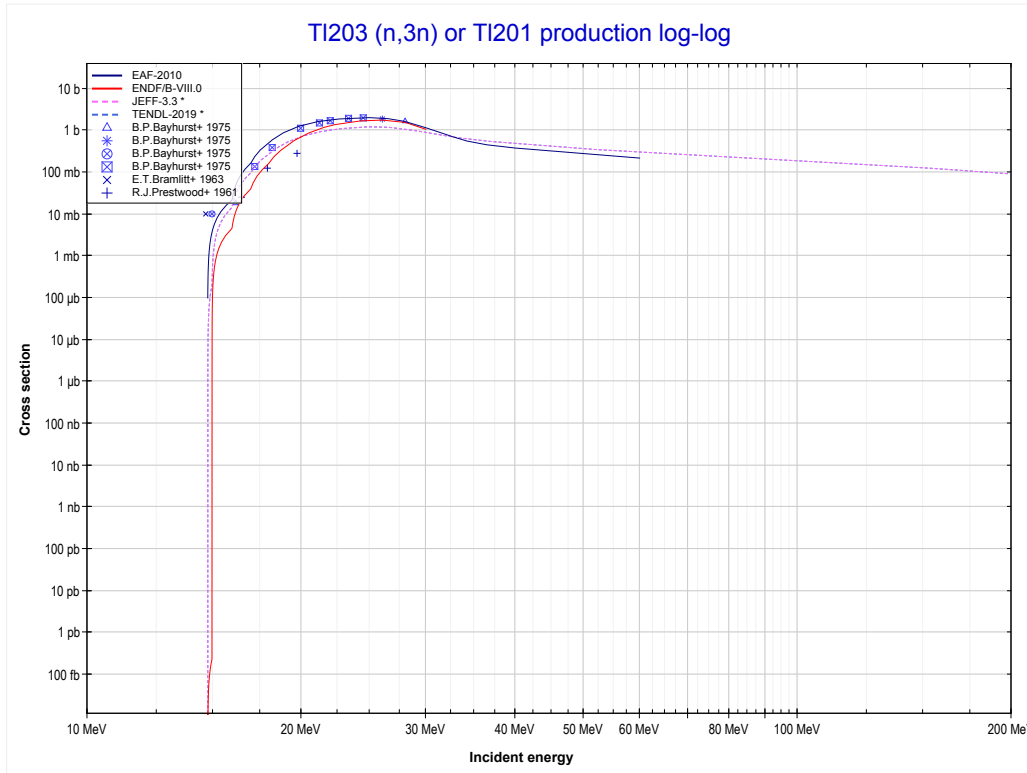
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.30302 b | 9.30302 b | 10.497 b | 1.12831 | 370.316 b | 4.99958 b | 2.94868 b |
| JEFF-3.3 | 8.42854 b | 8.42854 b | 9.51 b | 1.12831 | 358.942 b | 4.88358 b | 2.74432 b |
| TENDL-2019 | 10.7022 b | 10.7022 b | 12.076 b | 1.12838 | 380.131 b | 4.89377 b | 2.74432 b |

| | | |
|--------------------|--|----------------|
| << 80-Hg-204 | 81-Tl-203 | 81-Tl-205 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Tl202 production) | MT17 (n,3n) >> |



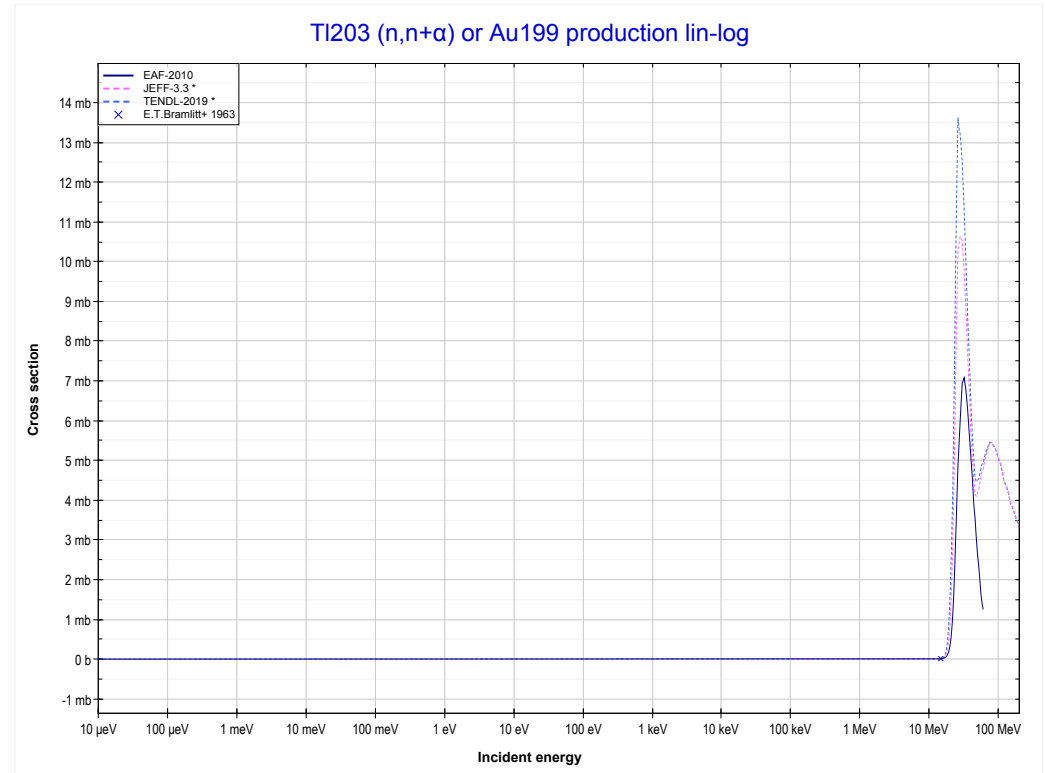
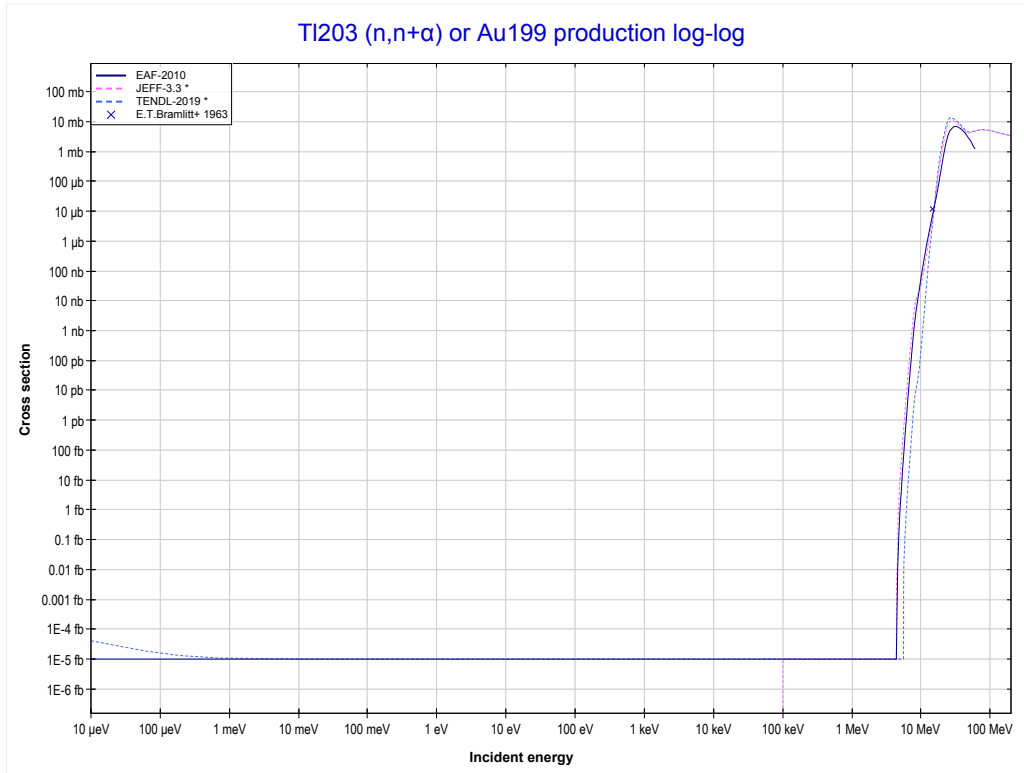
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0051467 b | 1.87782 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00505372 b | 1.99698 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00486856 b | 1.88313 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00484772 b | 1.88221 b |

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|----------------|--|-----------------|
| << 79-Au-197 | 81-Tl-203 | 82-Pb-204 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (TI201 production) | MT22 (n,n+α) >> |



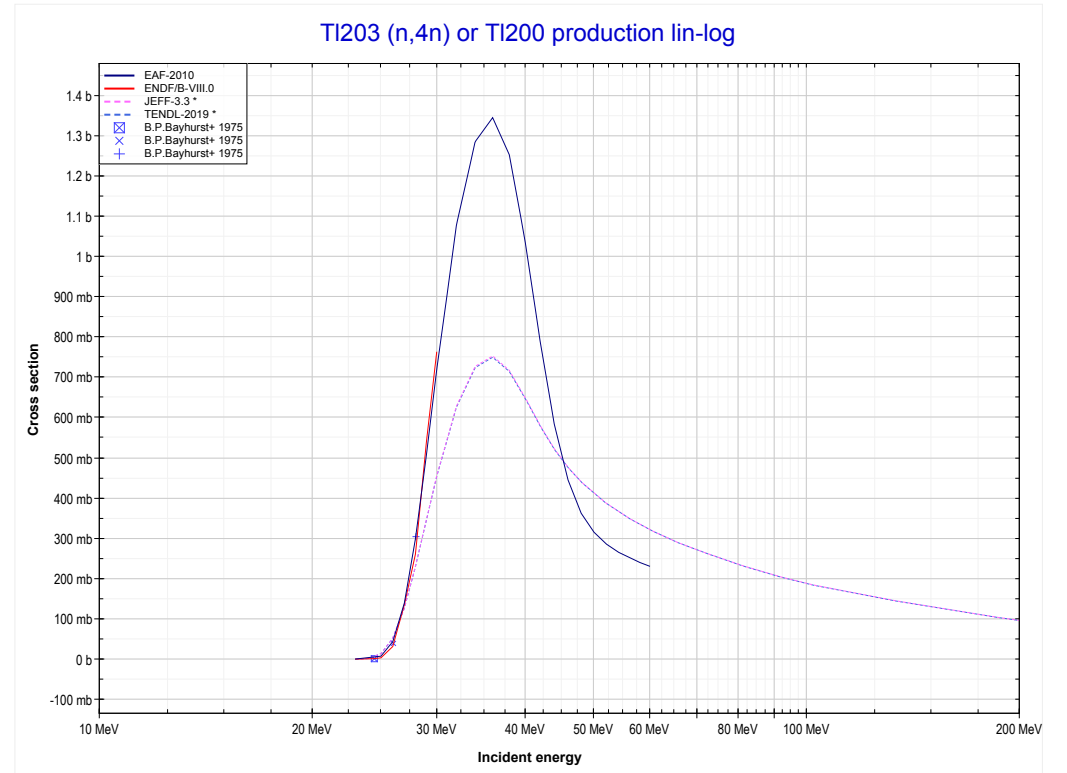
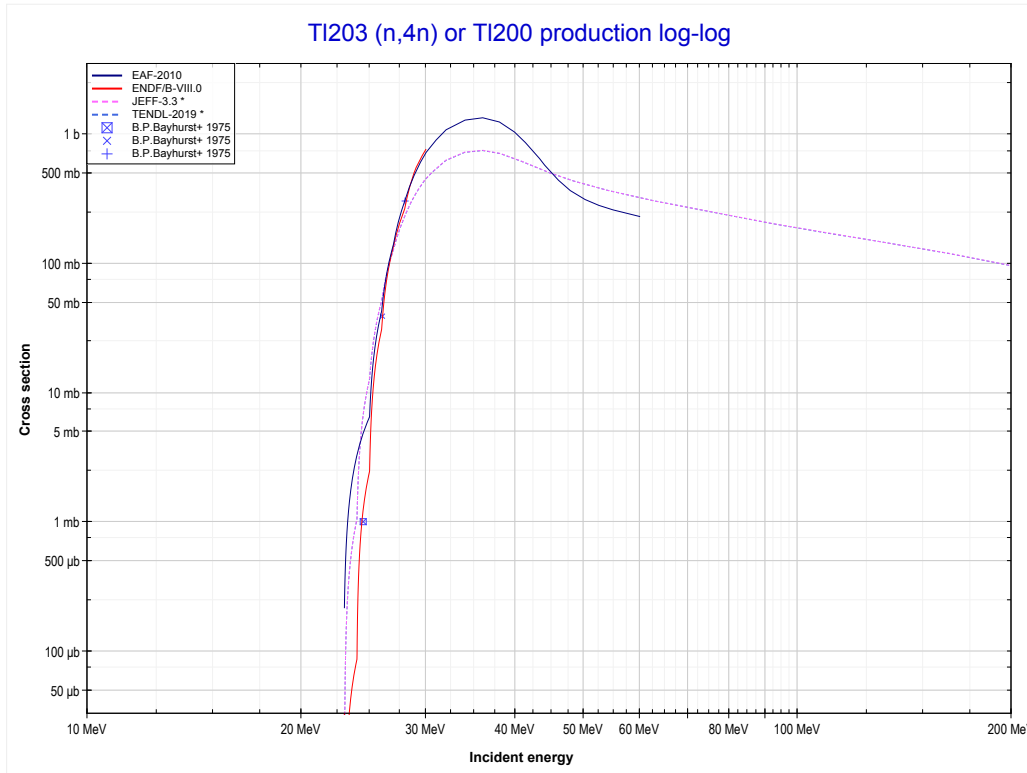
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 8.00956E-6 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.81703E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 4.42365E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.43687E-6 b | 0 b |

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|----------------|---|----------------|
| << 79-Au-197 | 81-Tl-203 | 92-U-238 >> |
| << MT17 (n,3n) | MT22 (n,n+α) or MT5 (Au199 production) | MT37 (n,4n) >> |



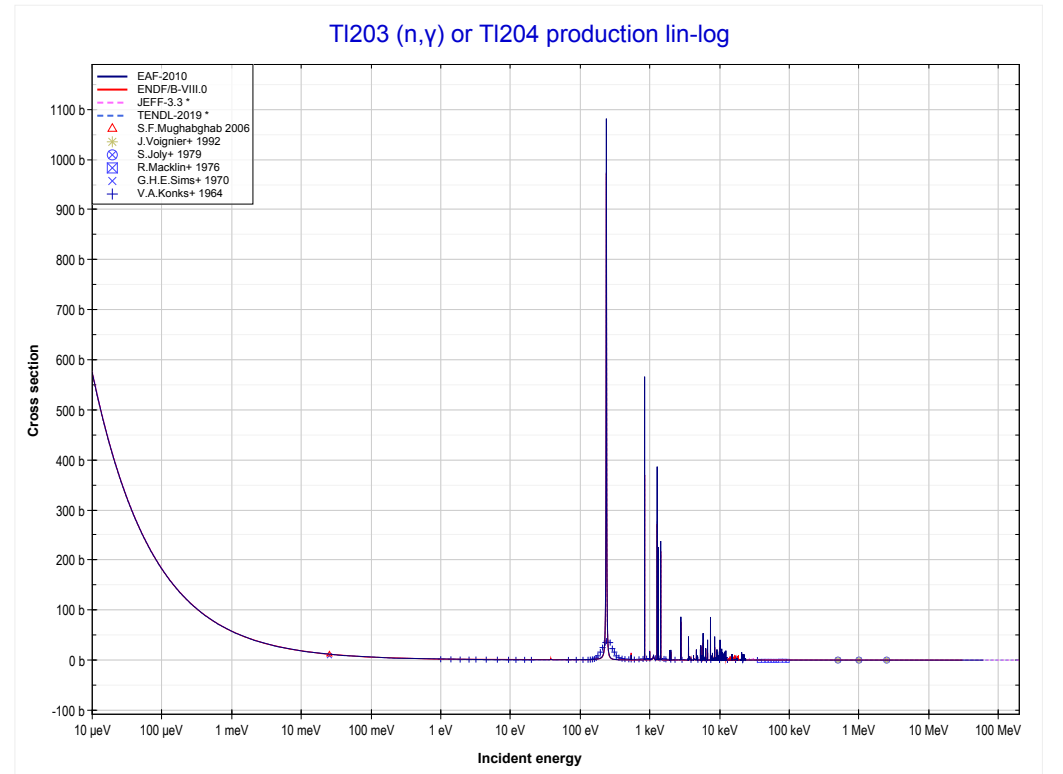
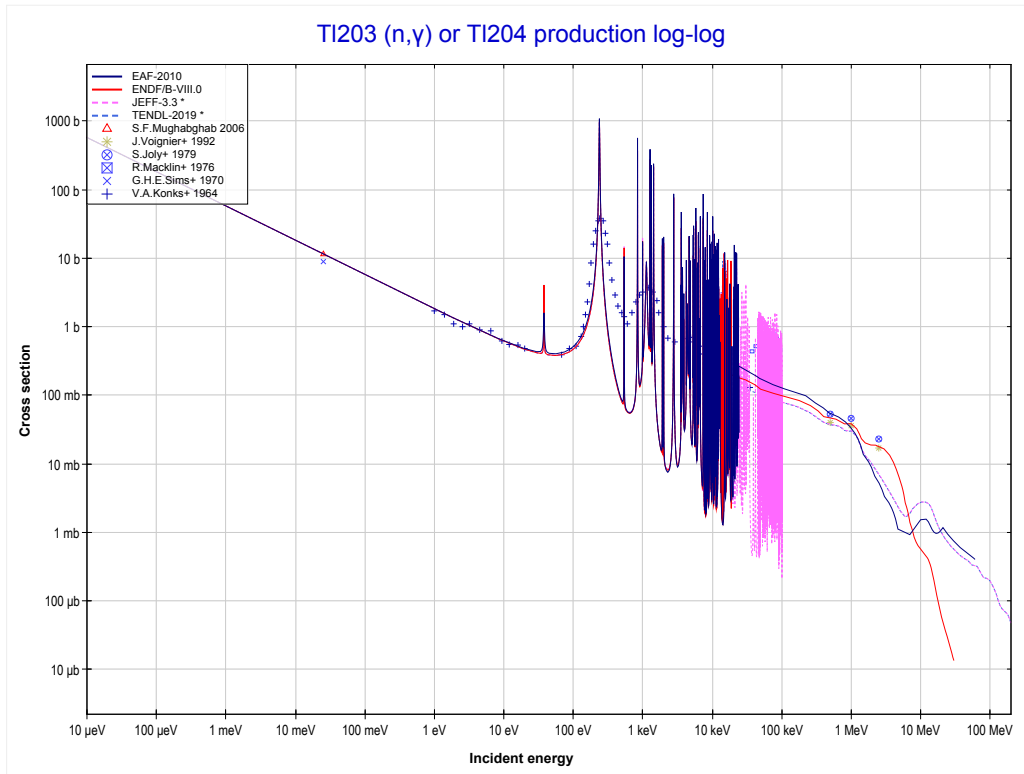
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.03292E-9 b | 2.86005E-6 b |
| TENDL-2019 | 1.0025E-20 b | 1.0025E-20 b | 1.1313E-20 b | 1.12844 | 1.22073E-19 b | 6.49891E-9 b | 1.30357E-6 b |

| | | |
|-----------------|--|----------------|
| << 79-Au-197 | 81-Tl-203 | 81-Tl-205 >> |
| << MT22 (n,n+α) | MT37 (n,4n) or MT5 (Tl200 production) | MT102 (n,γ) >> |



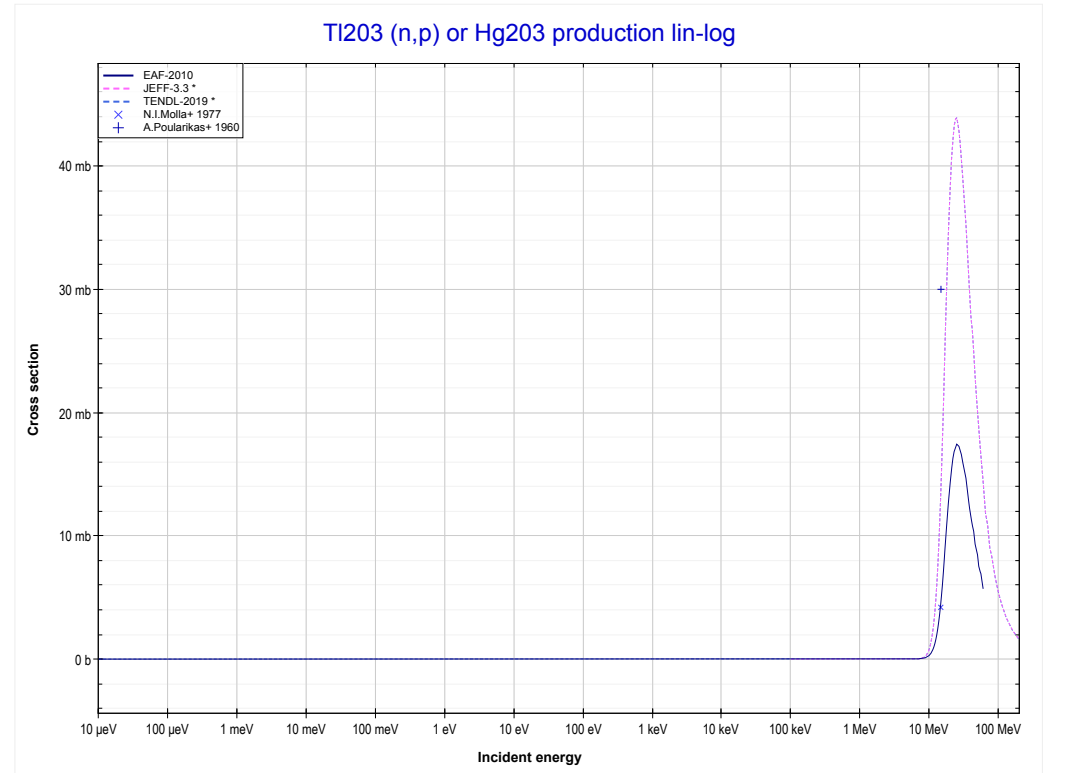
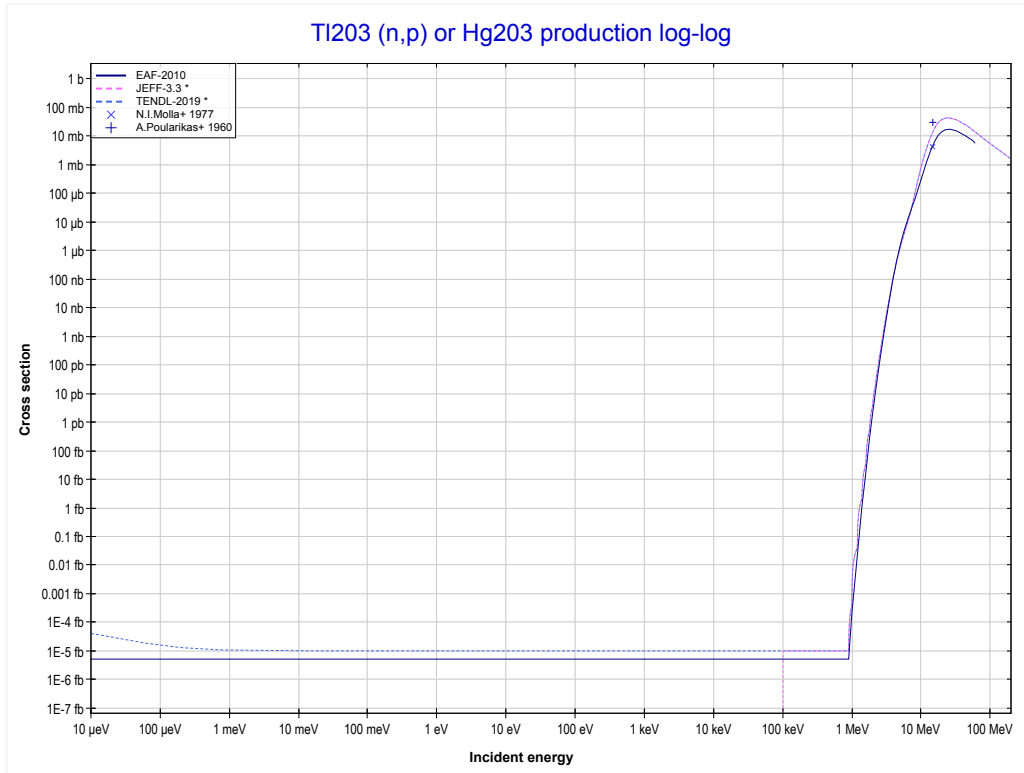
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|----------------|
| << 81-Tl-Nat | 81-Tl-203 | 81-Tl-204 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Tl204 production) | MT103 (n,p) >> |



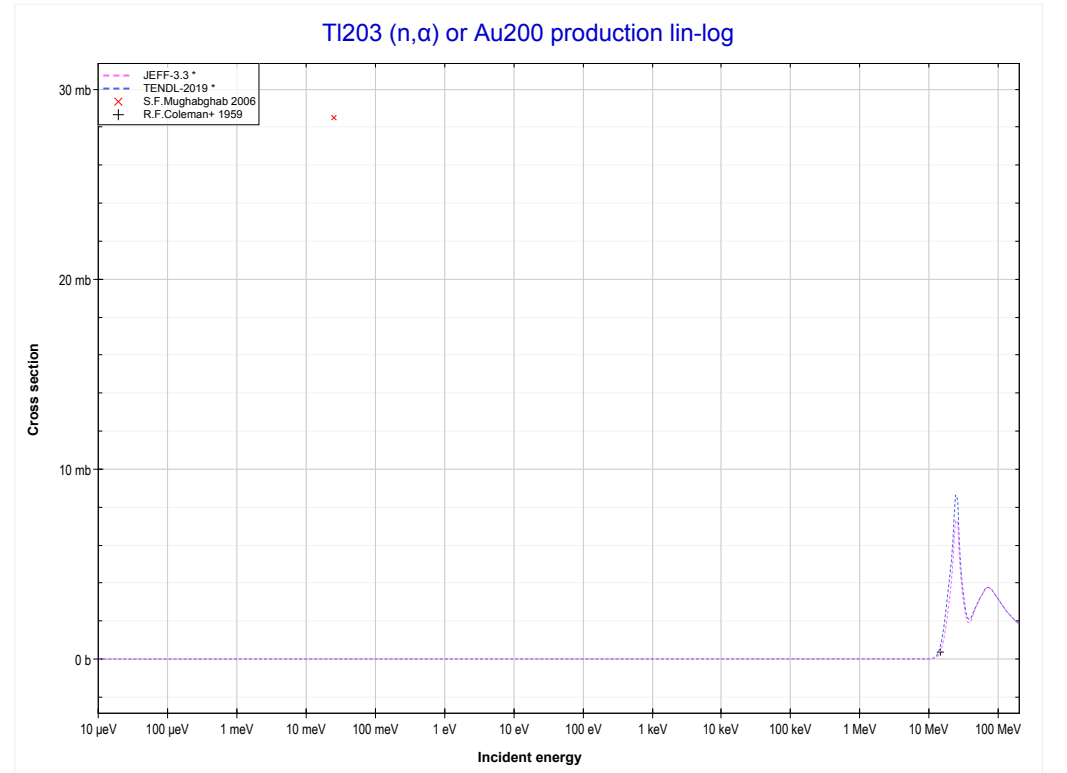
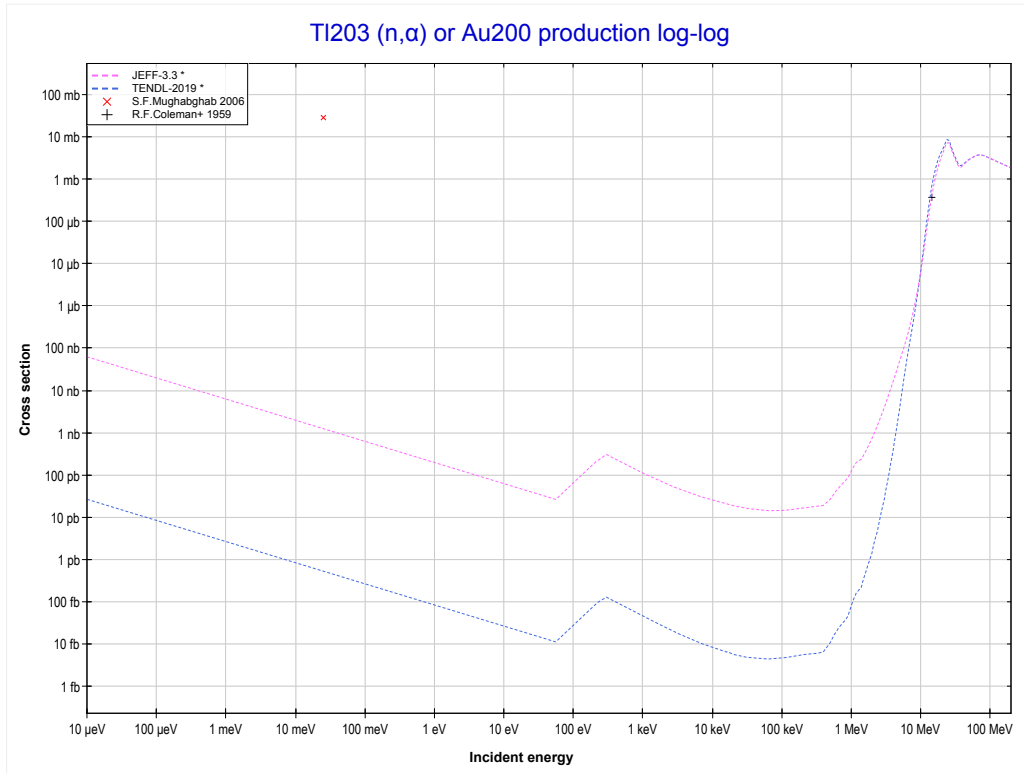
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 11.42 b | 11.4114 b | 11.412 b | 1.00007 | 43.0289 b | 0.0268469 b | 0.0012 b |
| ENDF/B-VIII.0 | 11.41 b | 11.41 b | 11.416 b | 1.00051 | 39.8241 b | 0.029821 b | 3.1967E-4 b |
| JEFF-3.3 | 11.4945 b | 11.4945 b | 11.499 b | 1.00041 | 39.3782 b | 0.0205157 b | 0.00237003 b |
| TENDL-2019 | 11.3677 b | 11.3677 b | 11.369 b | 1.00015 | 39.7945 b | 0.0209812 b | 0.00236892 b |

| | | |
|-------------------------|--|-------------------------|
| << 80-Hg-204 | 81-Tl-203 | 81-Tl-205 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Hg203 production) | MT107 (n, α) >> |



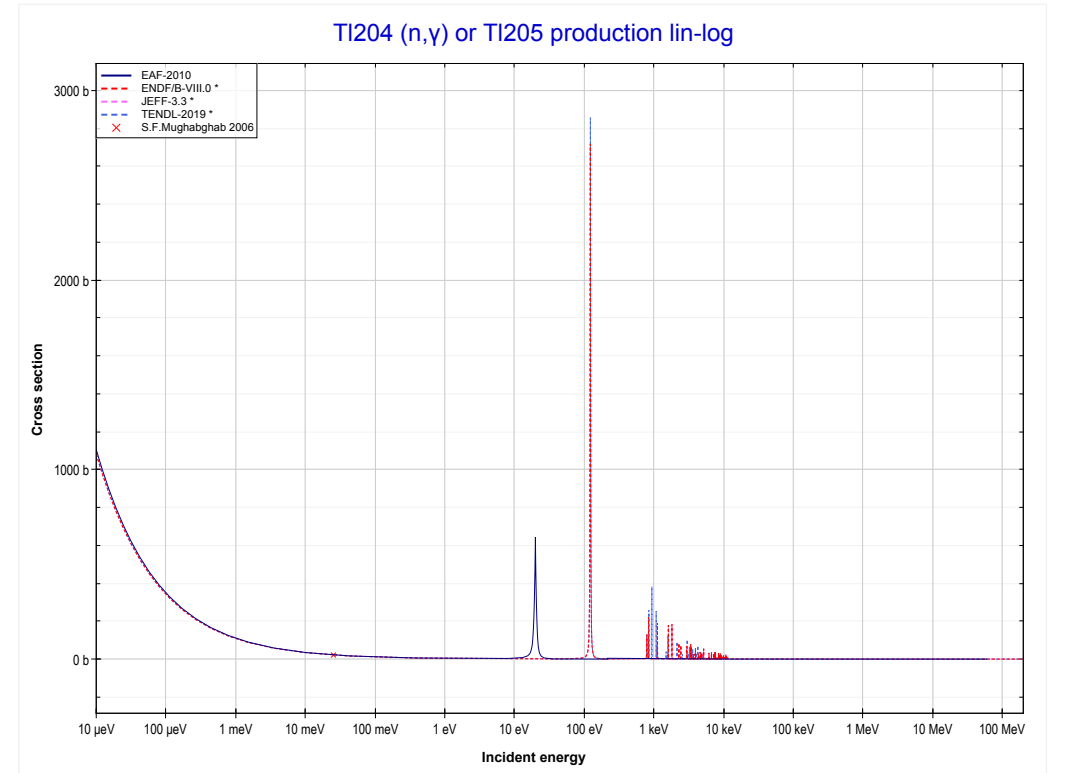
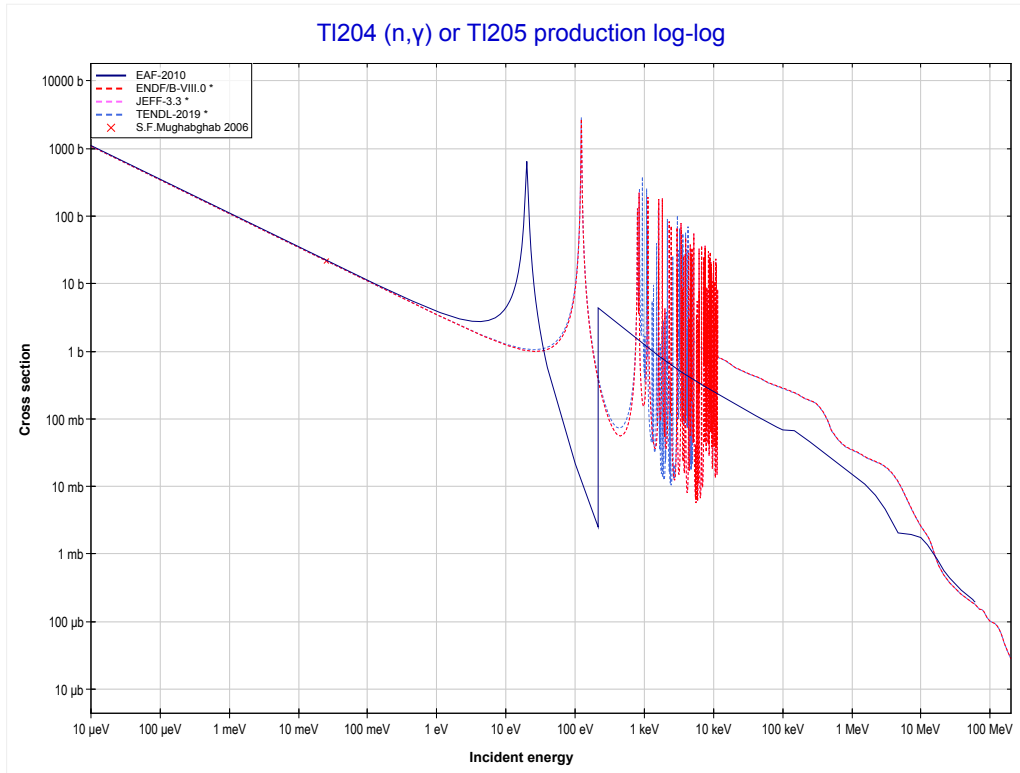
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.17041E-21 b | 5.17041E-21 b | 5.8338E-21 b | 0 | 6.31184E-20 b | 3.54907E-6 b | 0.00341985 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.79216E-6 b | 0.0102394 b |
| TENDL-2019 | 1.0025E-20 b | 1.0025E-20 b | 1.1313E-20 b | 1.12844 | 1.22073E-19 b | 8.79157E-6 b | 0.0102391 b |

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|----------------|--|-----------------------------------|
| << 80-Hg-202 | 81-TI-203 | 81-TI-205 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Au200 production) | 81-TI-204 MT102 (n, γ) >> |



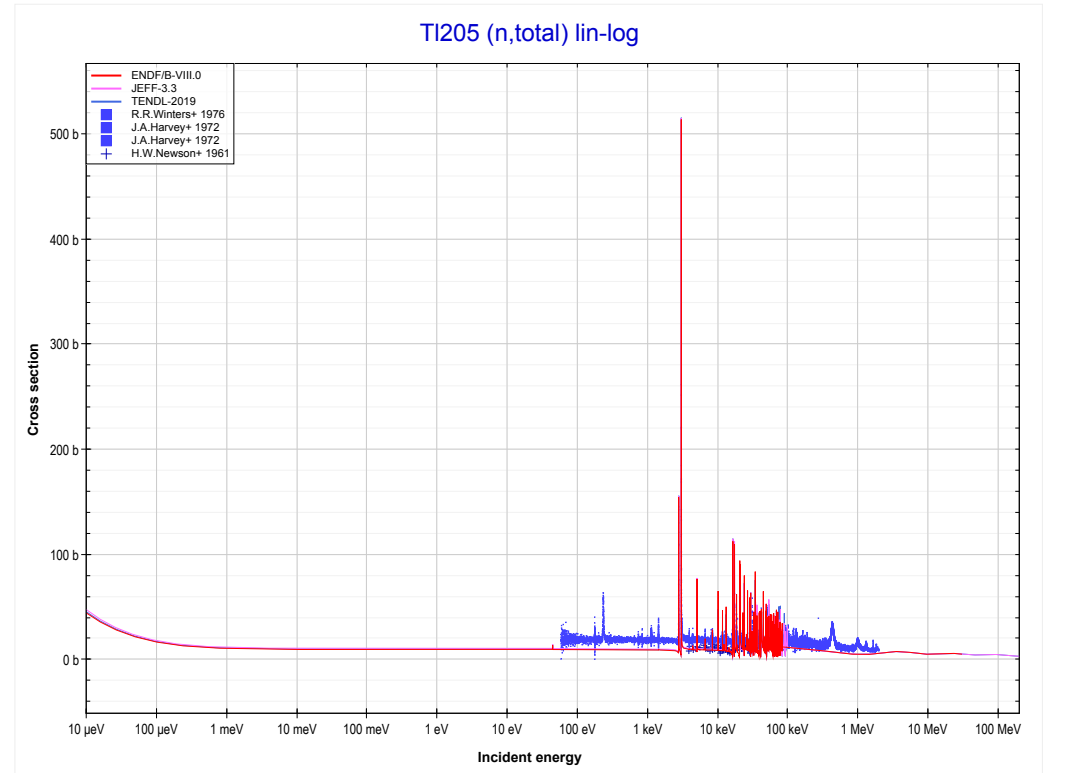
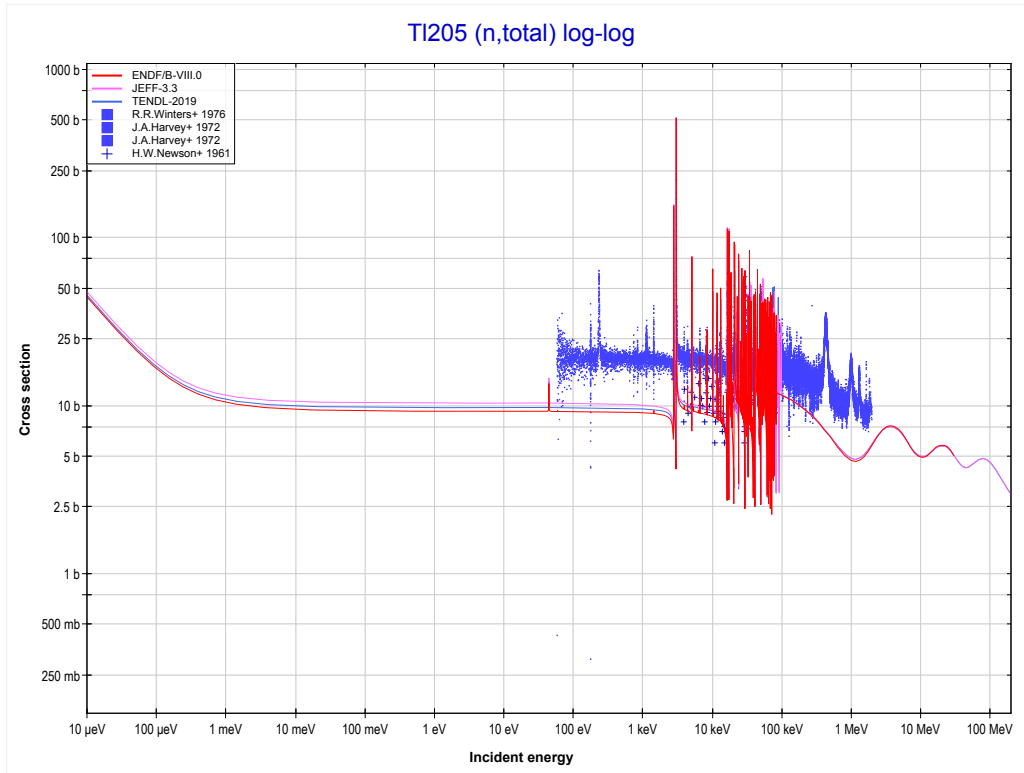
| Reaction | Q-Value |
|--------------------------|---------------|
| TI203(n, α)Au200 | 7125.00 keV |
| TI203(n,p+t)Au200 | -12688.86 keV |
| TI203(n,n+He3)Au200 | -13452.62 keV |
| TI203(n,2d)Au200 | -16721.53 keV |
| TI203(n,n+p+d)Au200 | -18946.09 keV |
| TI203(n,2n+2p)Au200 | -21170.66 keV |

| | | |
|-----------------------------------|--|----------------------------|
| << 81-TI-203 | 81-TI-204 | 81-TI-205 >> |
| << 81-TI-203 MT107 (n, α) | MT102 (n,γ) or MT5 (TI205 production) | 81-TI-205 MT1 (n,total) >> |



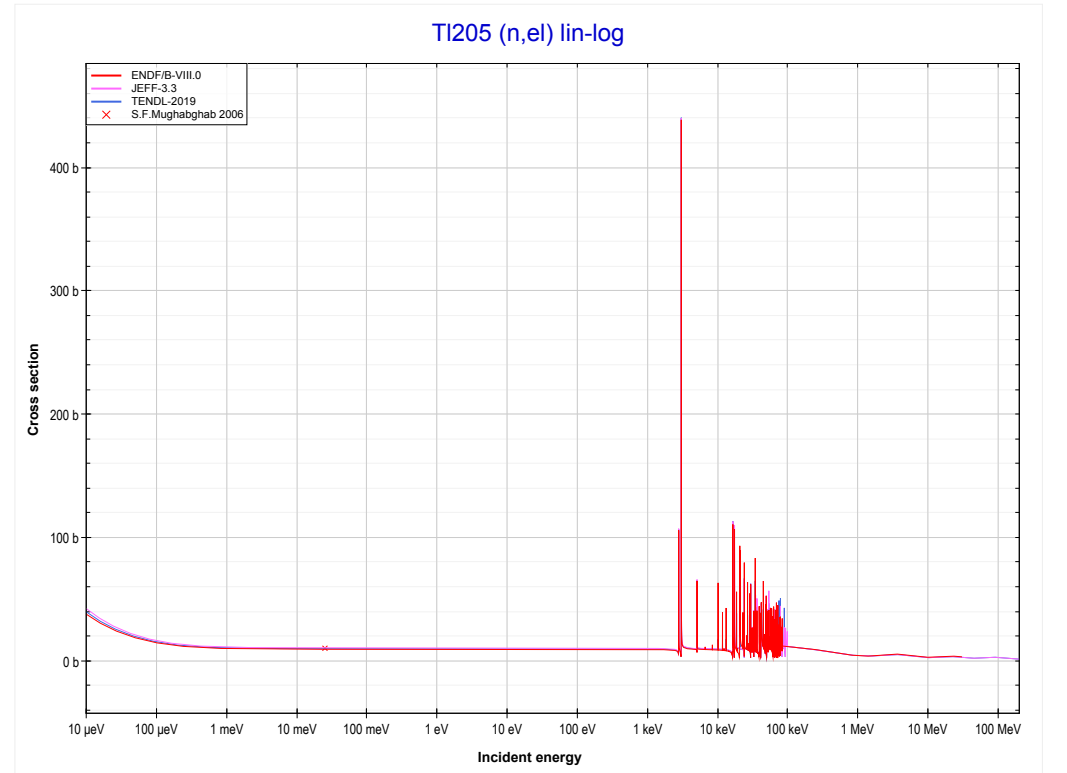
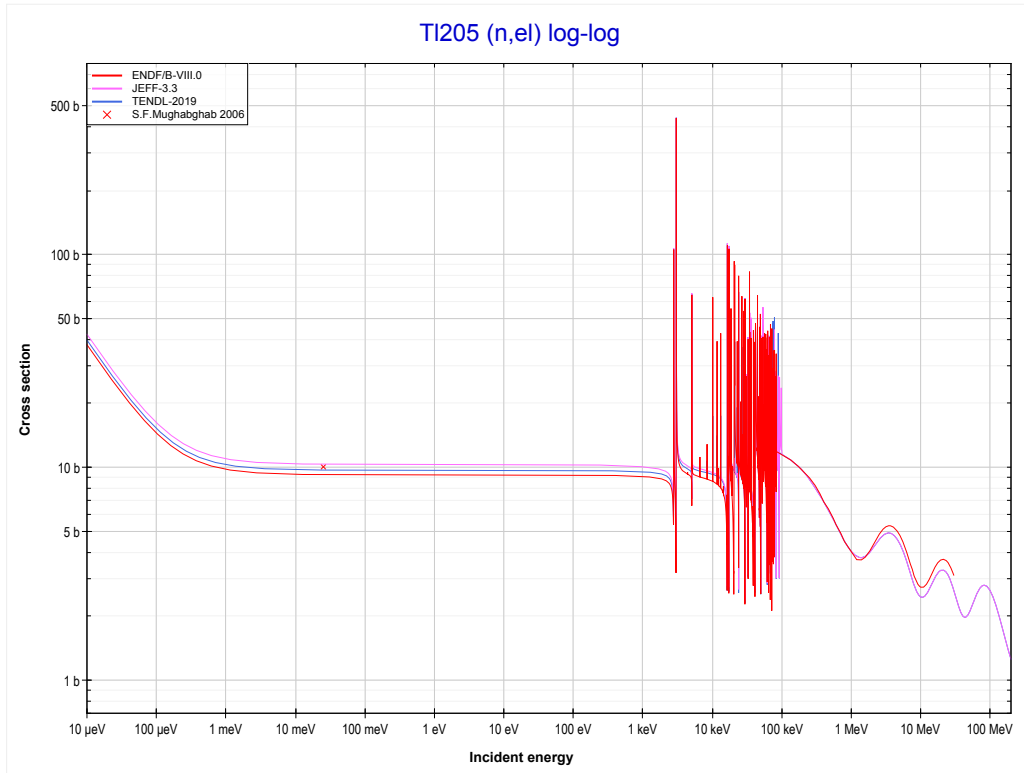
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 22.0345 b | 22.018 b | 22.051 b | 1.00149 | 81.6307 b | 0.0151403 b | 0.00115 b |
| ENDF/B-VIII.0 | 21.5046 b | 21.5046 b | 21.515 b | 1.00049 | 102.308 b | 0.0488472 b | 0.00142387 b |
| JEFF-3.3 | 21.5046 b | 21.5046 b | 21.515 b | 1.00049 | 102.308 b | 0.0488472 b | 0.00142387 b |
| TENDL-2019 | 21.4938 b | 21.4938 b | 21.499 b | 1.00025 | 112.233 b | 0.0483554 b | 0.00142225 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 81-Tl-203 | 81-Tl-205 | 82-Pb-204 >> |
| << 81-Tl-204 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



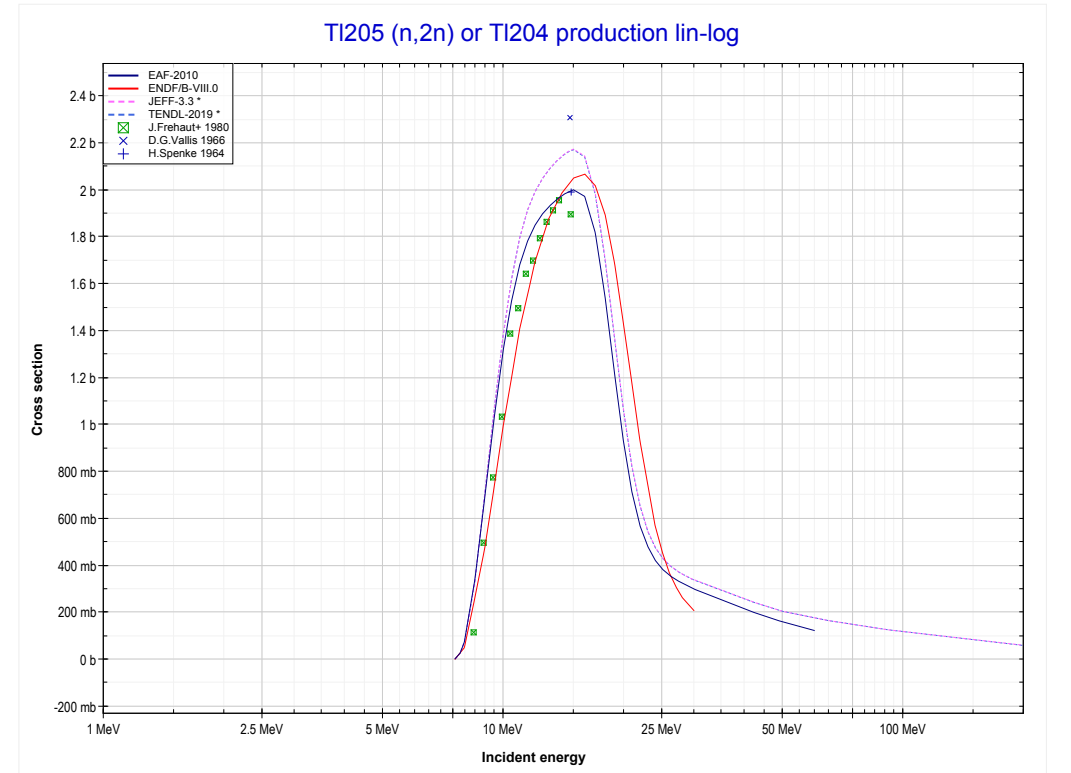
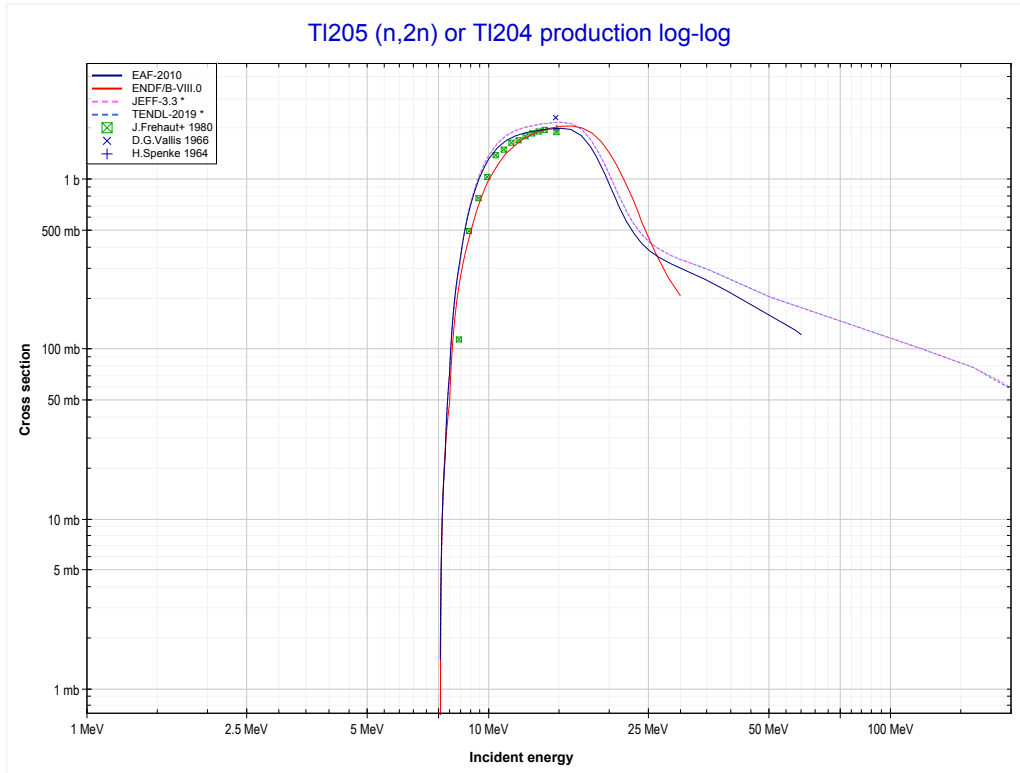
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.37581 b | 9.37581 b | 10.563 b | 1.1266 | 119.241 b | 6.33661 b | 5.26374 b |
| JEFF-3.3 | 10.4565 b | 10.4565 b | 11.786 b | 1.12711 | 128.929 b | 6.37987 b | 5.26989 b |
| TENDL-2019 | 9.83347 b | 9.83347 b | 11.082 b | 1.12696 | 123.001 b | 6.3741 b | 5.26989 b |

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|------------------|------------------------|----------------|
| << 81-Tl-203 | 81-Tl-205 | 82-Pb-206 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



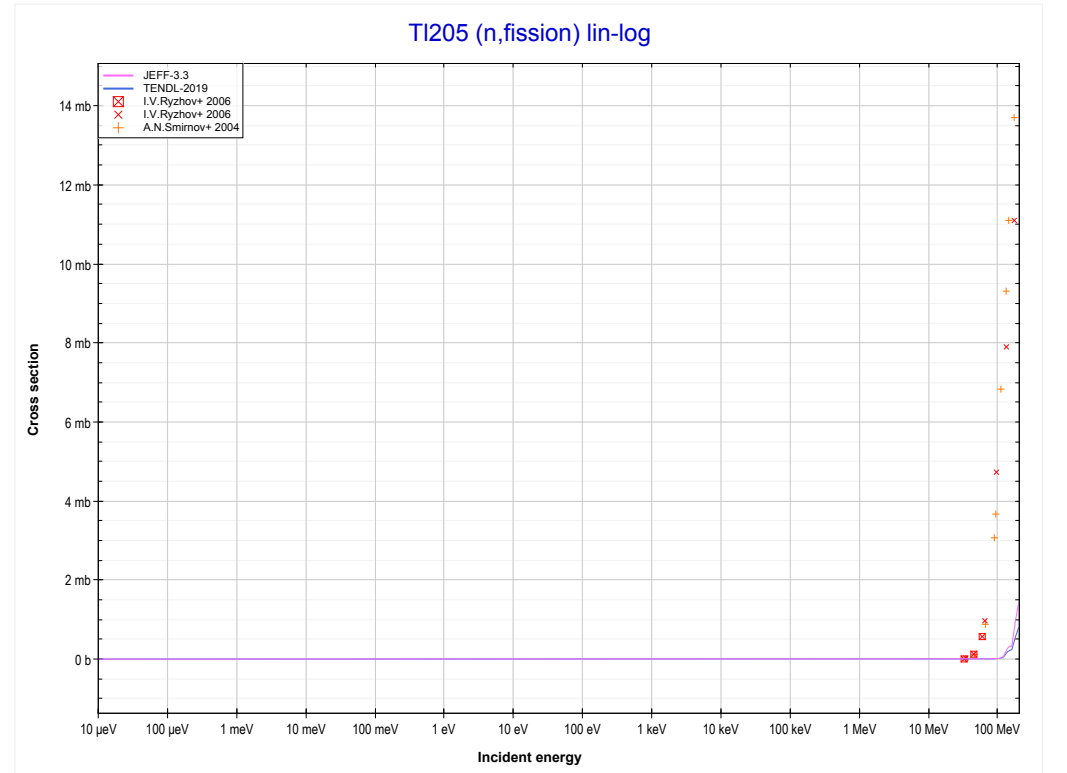
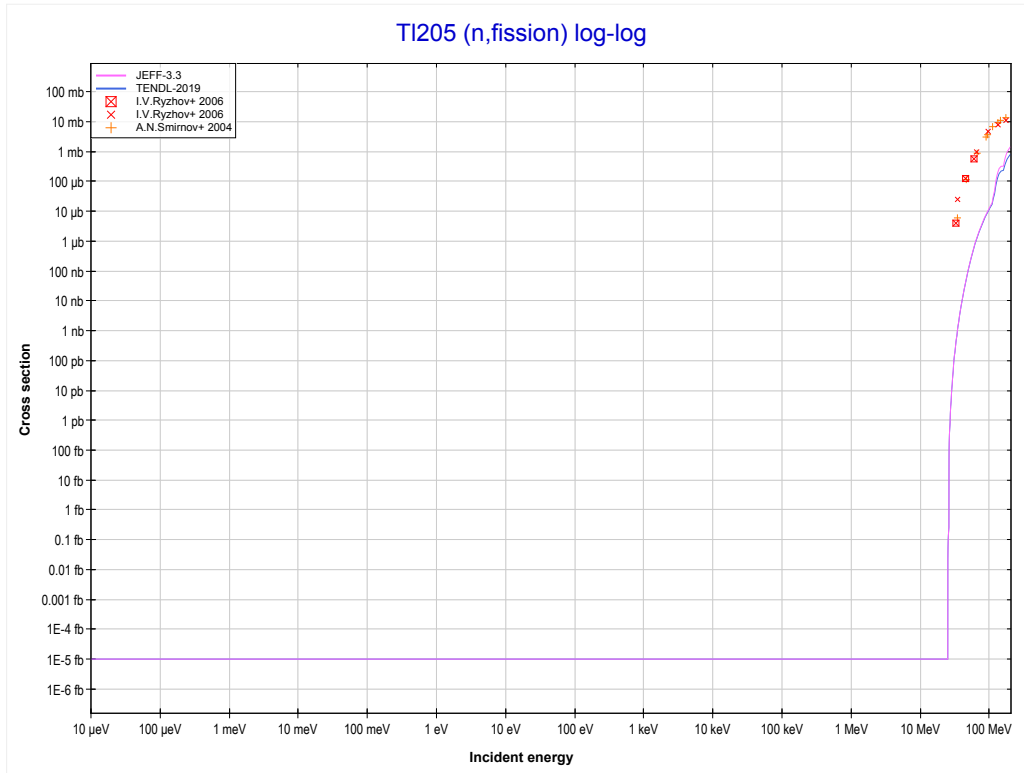
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.24531 b | 9.24531 b | 10.432 b | 1.12838 | 118.548 b | 5.06139 b | 3.08126 b |
| JEFF-3.3 | 10.3529 b | 10.3529 b | 11.682 b | 1.12838 | 128.101 b | 4.92191 b | 2.76255 b |
| TENDL-2019 | 9.71977 b | 9.71977 b | 10.968 b | 1.12845 | 122.231 b | 4.91753 b | 2.76255 b |

| | | |
|--------------------|--|---------------------|
| << 81-Tl-203 | 81-Tl-205 | 82-Pb-204 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Tl204 production) | MT18 (n,fission) >> |

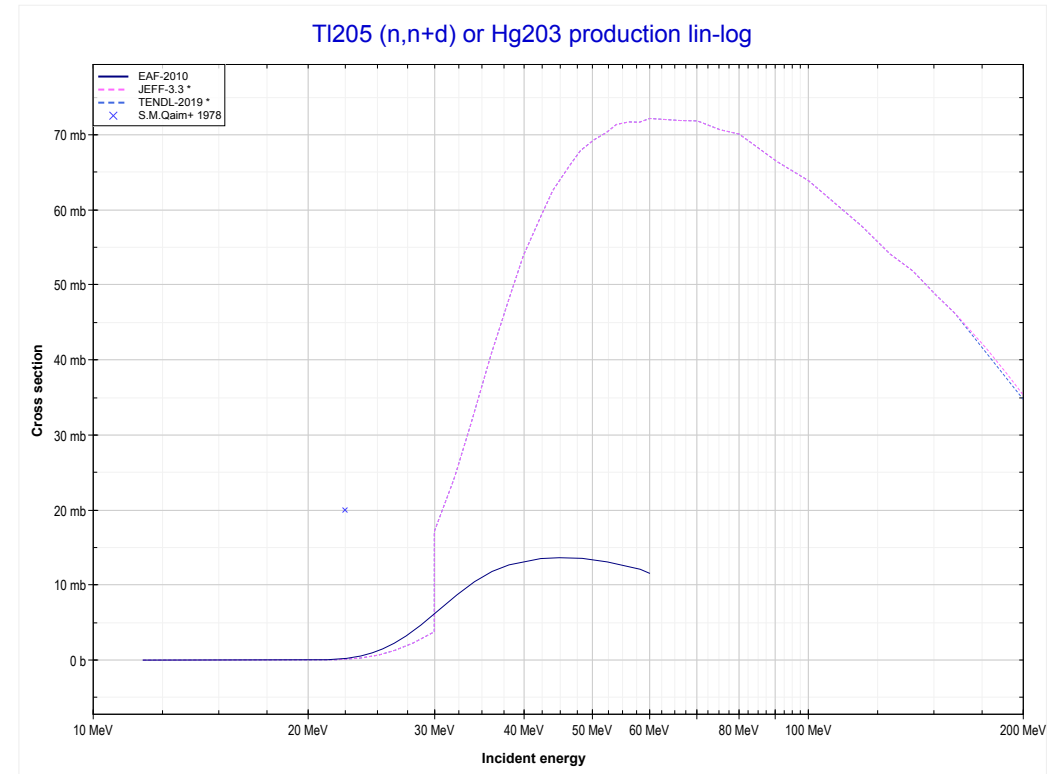
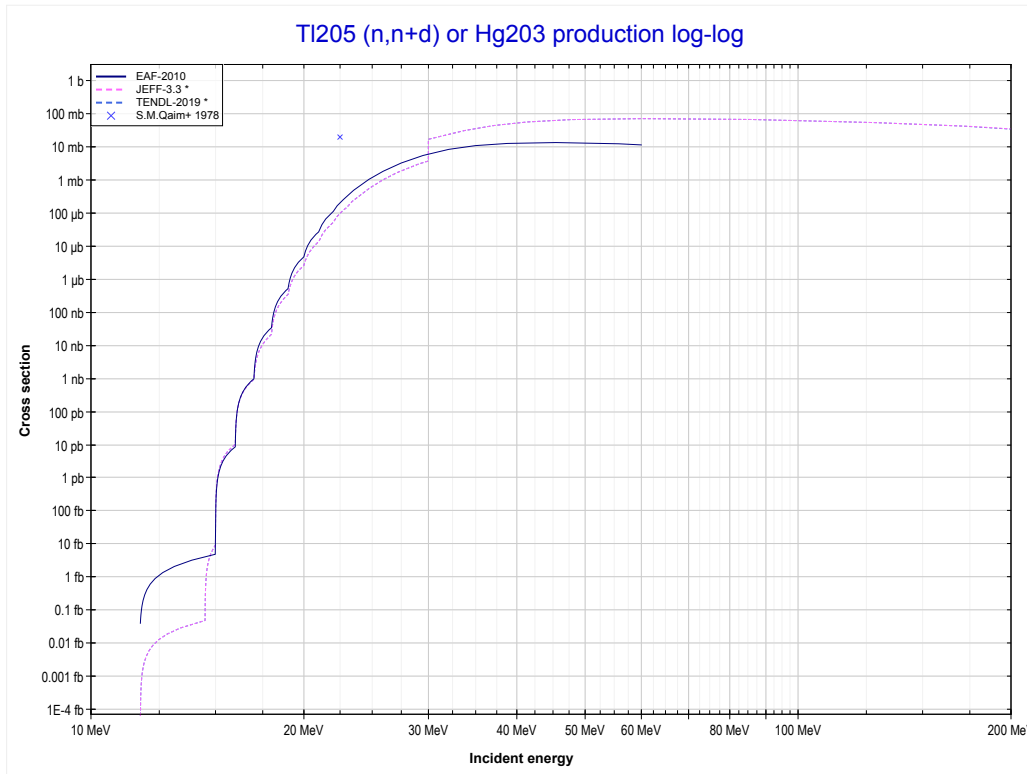


| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0065928 b | 1.9741 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00523727 b | 1.98386 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00688738 b | 2.14248 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00689095 b | 2.14114 b |

| | | |
|----------------|-------------------------|-----------------|
| << 79-Au-197 | 81-Tl-205 | 82-Pb-204 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT32 (n,n+d) >> |

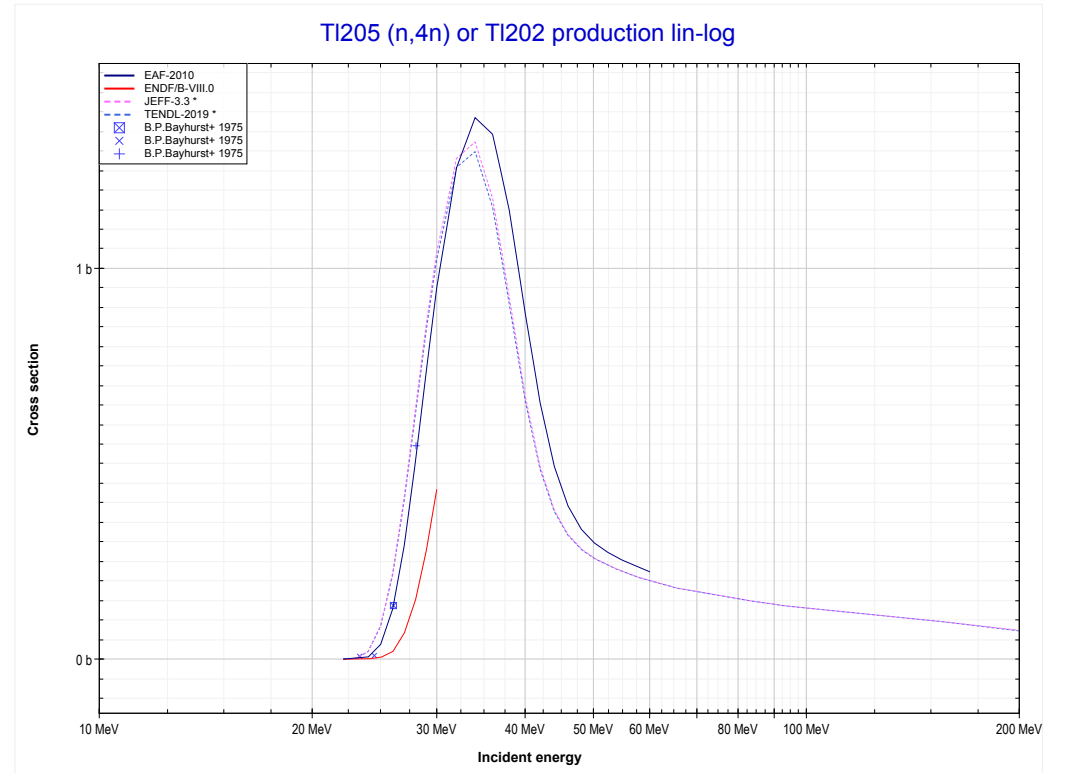
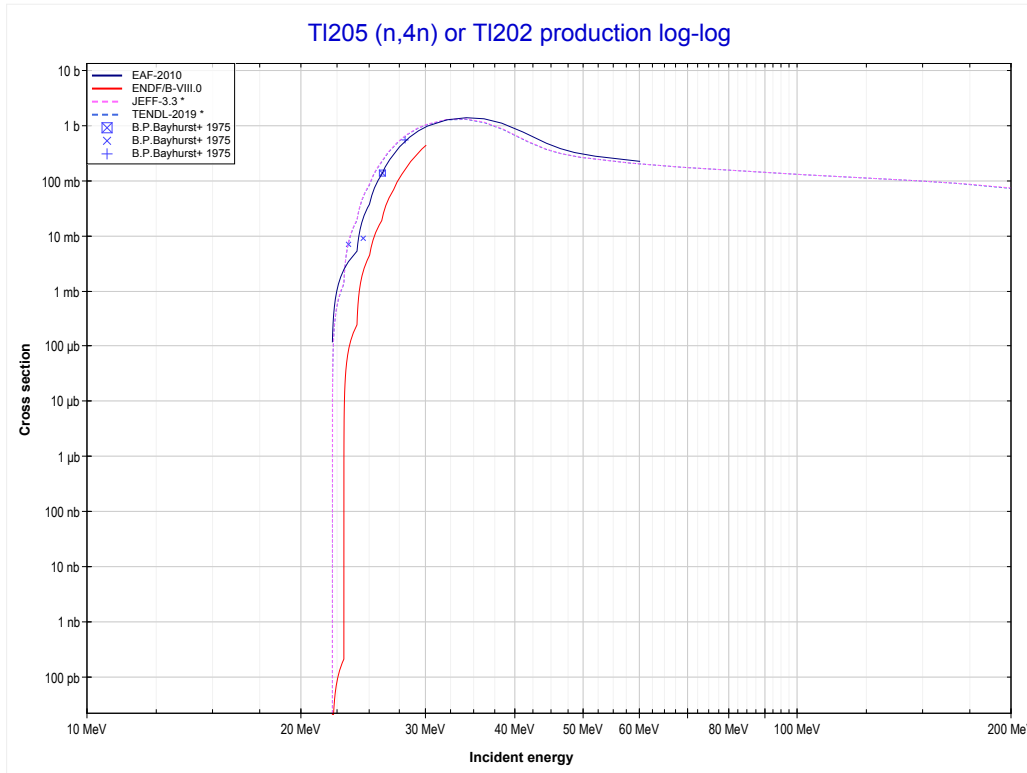


| | | |
|---------------------|---|----------------|
| << 74-W-184 | 81-TI-205 | 82-Pb-204 >> |
| << MT18 (n,fission) | MT32 (n,n+d) or MT5 (Hg203 production) | MT37 (n,4n) >> |



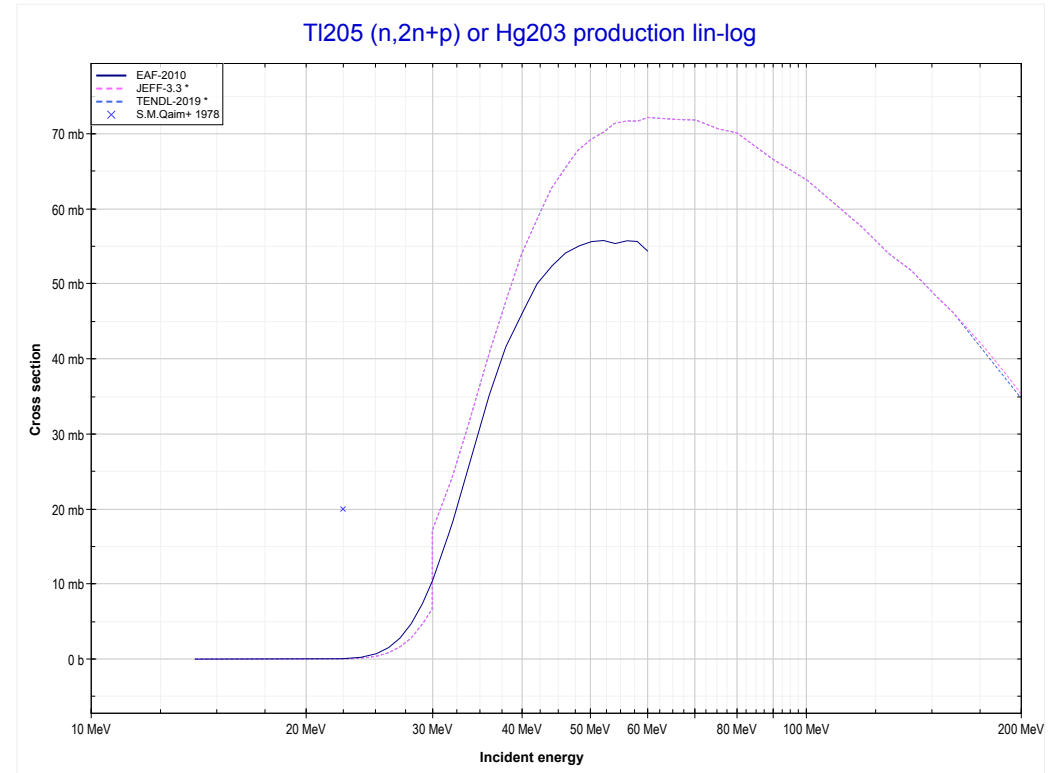
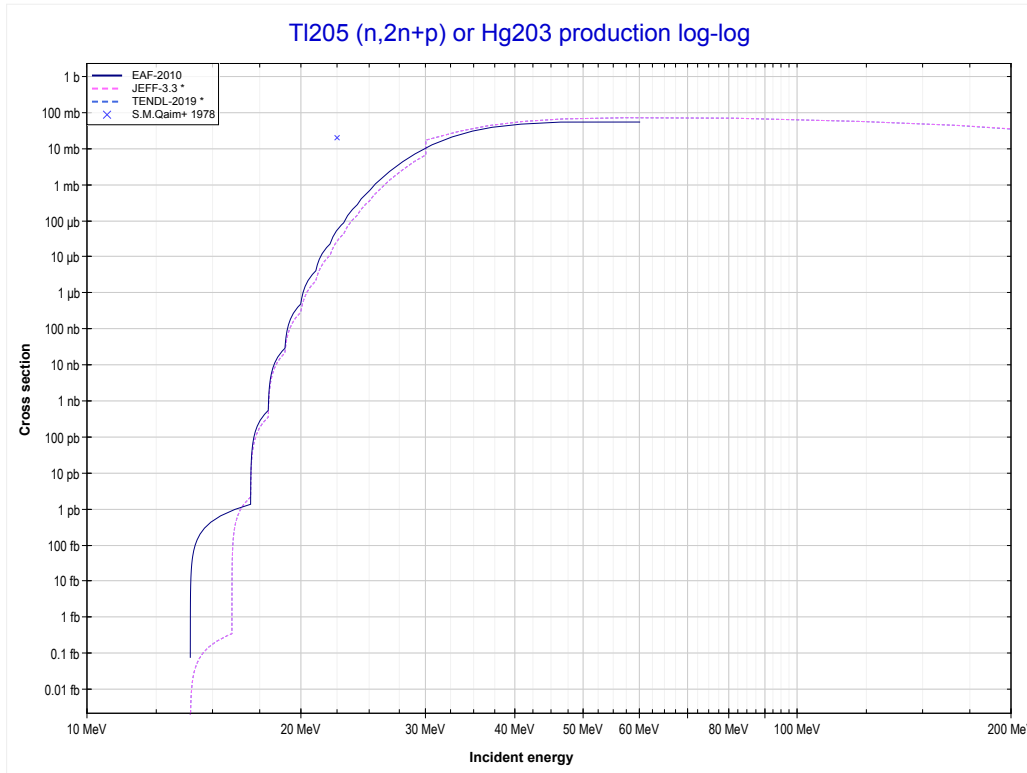
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.98822E-12 b | 3.94526E-17 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.99181E-12 b | 3.94333E-17 b |

| | | |
|-----------------|--|------------------|
| << 81-TI-203 | 81-TI-205 | 83-Bi-209 >> |
| << MT32 (n,n+d) | MT37 (n,4n) or MT5 (TI202 production) | MT41 (n,2n+p) >> |



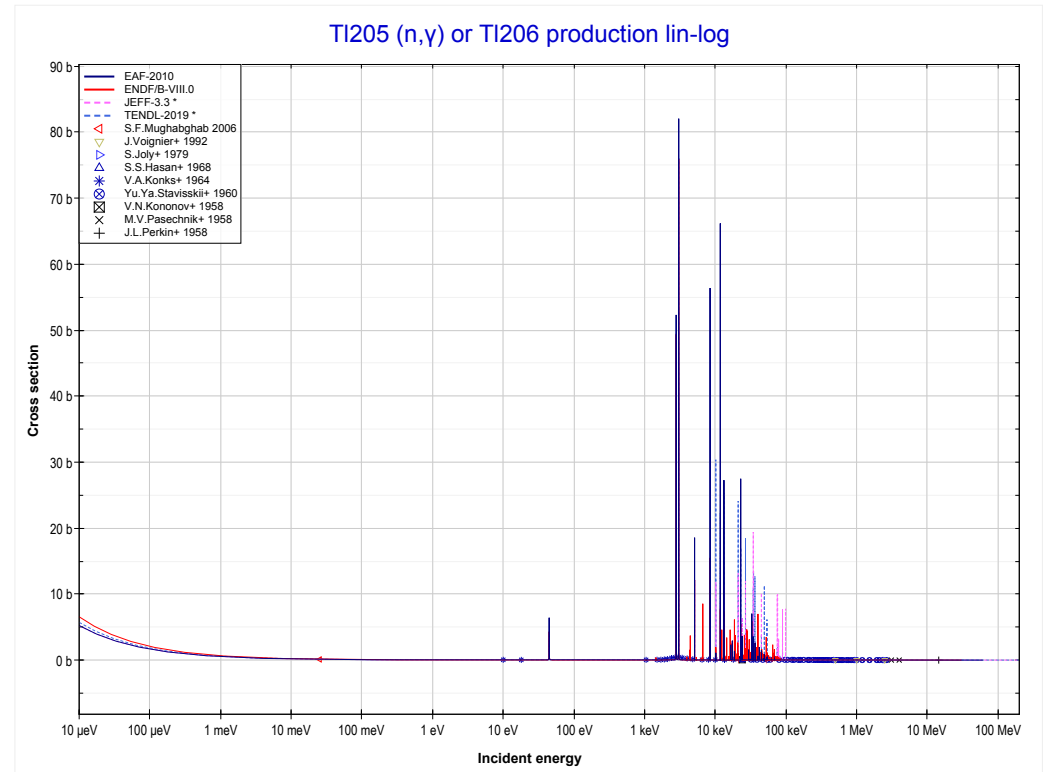
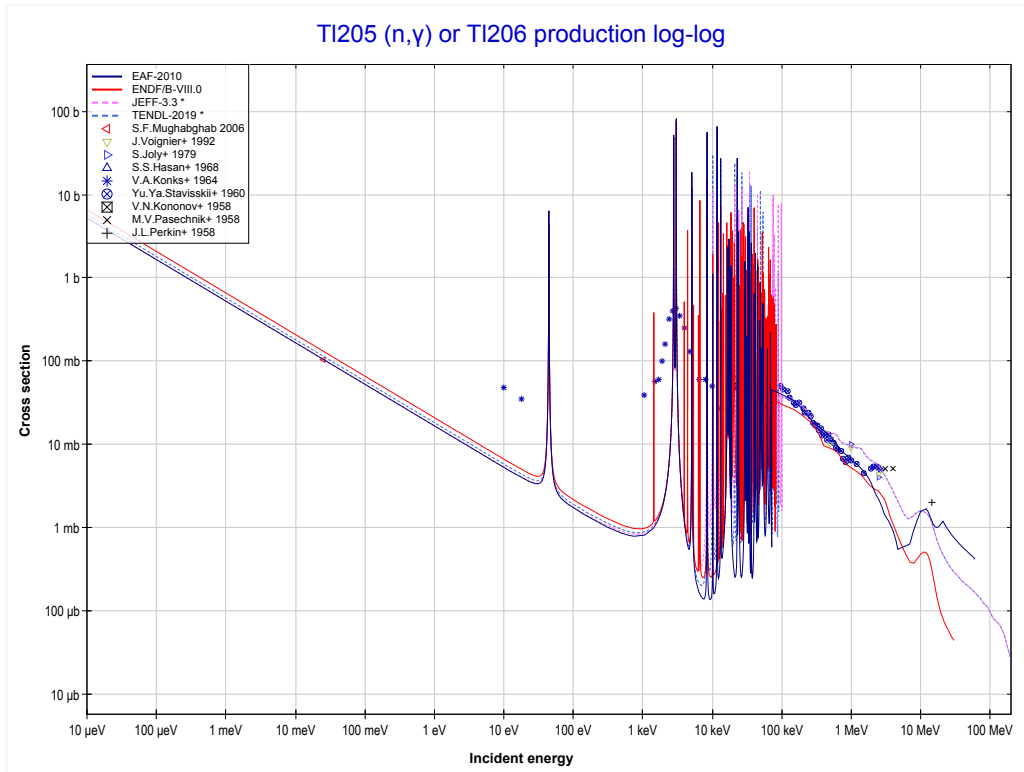
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|----------------|--|-------------------------|
| << 74-W-184 | 81-TI-205 | 82-Pb-204 >> |
| << MT37 (n,4n) | MT41 (n,2n+p) or MT5 (Hg203 production) | MT102 (n, γ) >> |



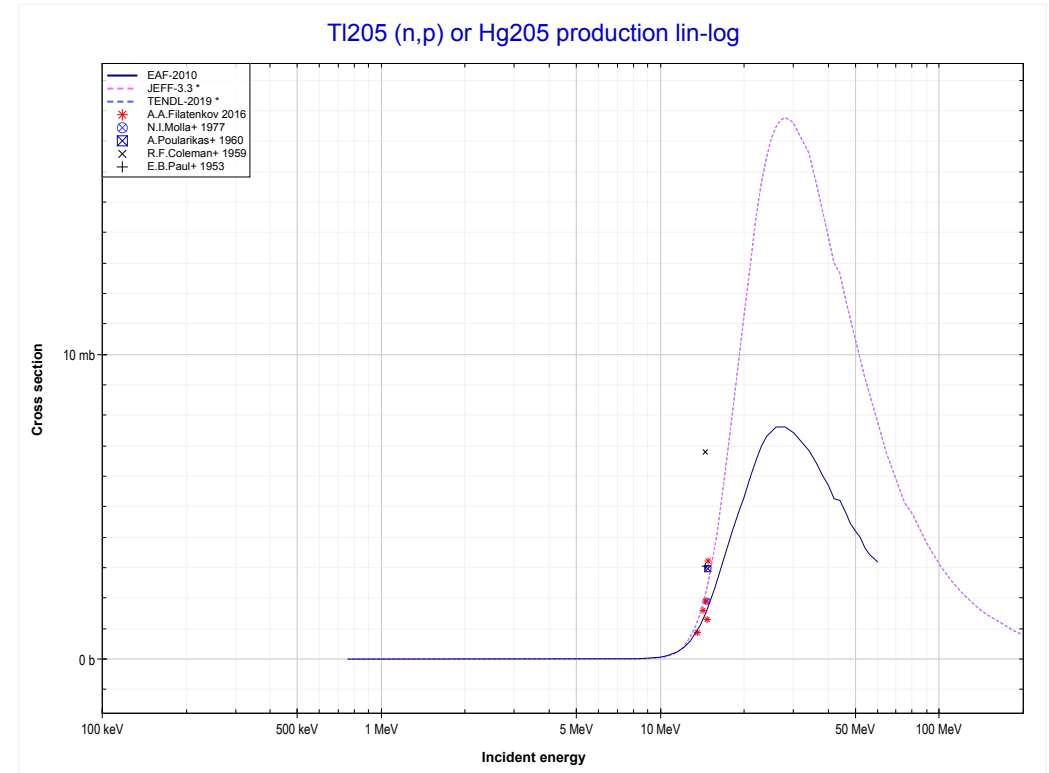
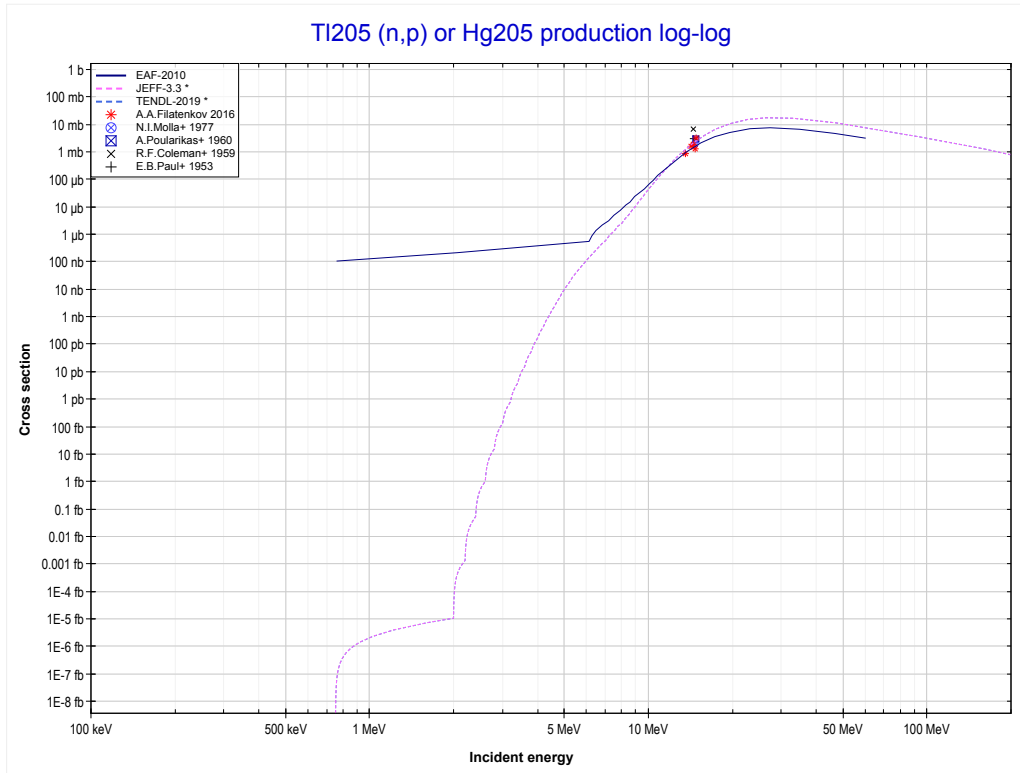
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76887E-13 b | 3.38934E-18 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.76177E-13 b | 3.37808E-18 b |

| | | |
|------------------|--|----------------|
| << 81-Tl-204 | 81-Tl-205 | 82-Pb-204 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Tl206 production) | MT103 (n,p) >> |



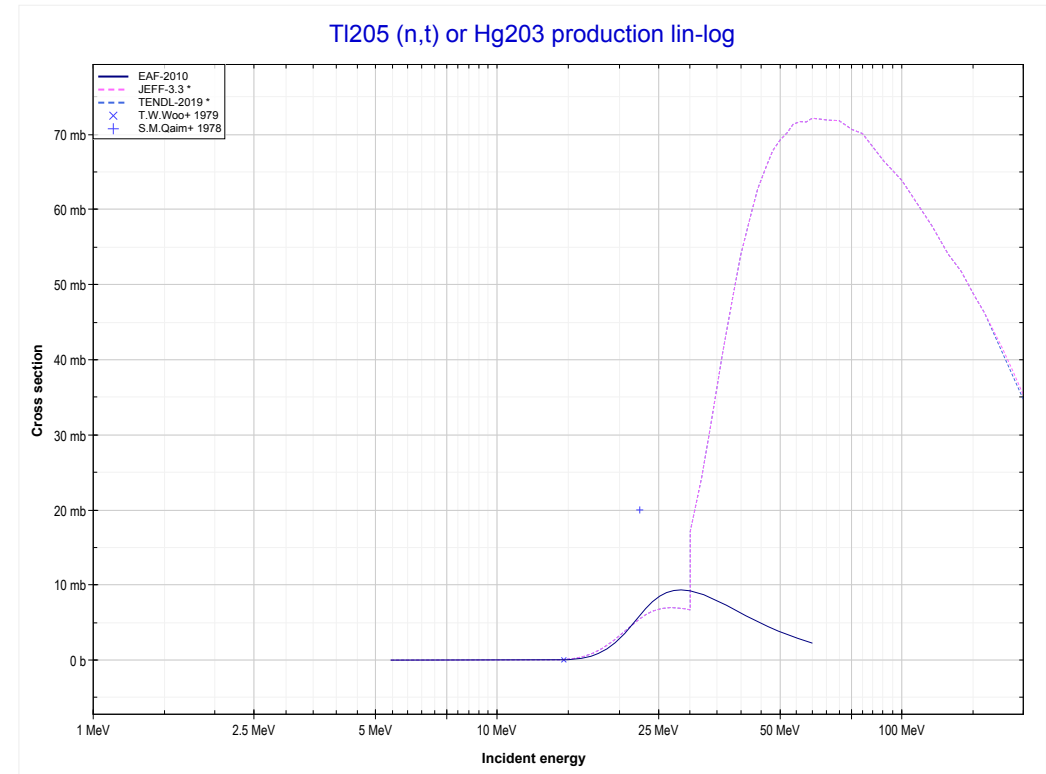
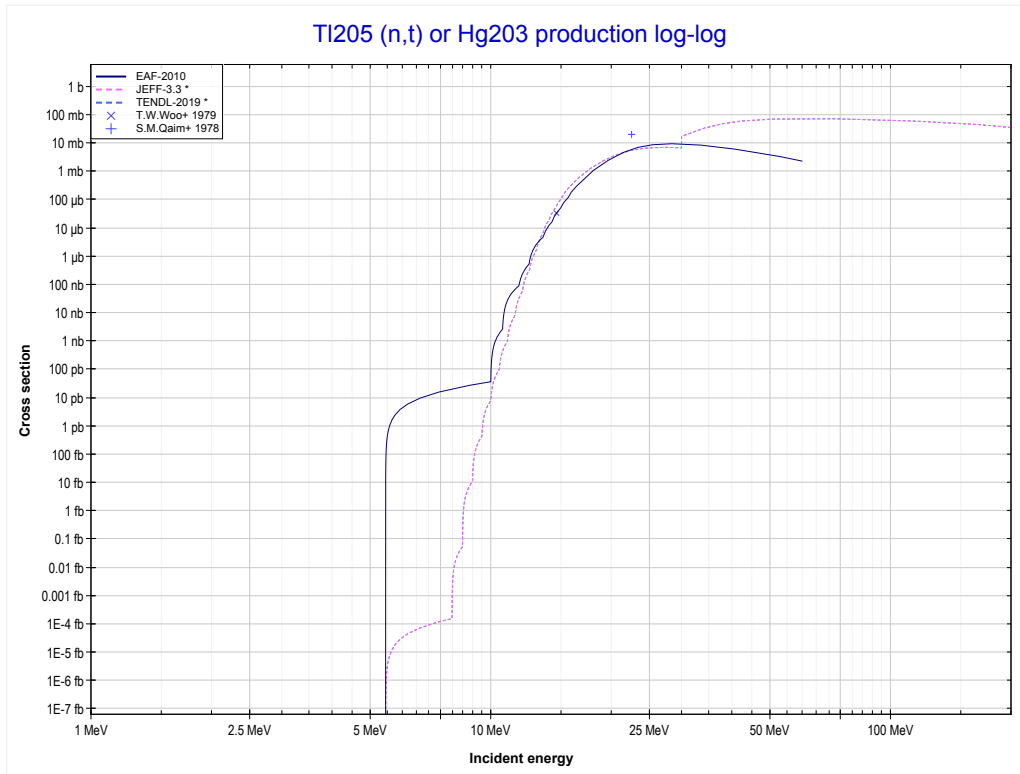
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.10417 b | 0.104092 b | 0.10409 b | 1.00001 | 0.627121 b | 0.0065099 b | 0.00128 b |
| ENDF/B-VIII.0 | 0.130501 b | 0.130501 b | 0.13056 b | 1.00044 | 0.693134 b | 0.00572437 b | 3.59173E-4 b |
| JEFF-3.3 | 0.103643 b | 0.103643 b | 0.10368 b | 1.00034 | 0.828636 b | 0.0100406 b | 0.00122871 b |
| TENDL-2019 | 0.113698 b | 0.113698 b | 0.11371 b | 1.00007 | 0.73735 b | 0.00907723 b | 0.00122794 b |

| | | |
|-------------------------|--|----------------|
| << 81-Tl-203 | 81-Tl-205 | 82-Pb-206 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Hg205 production) | MT105 (n,t) >> |



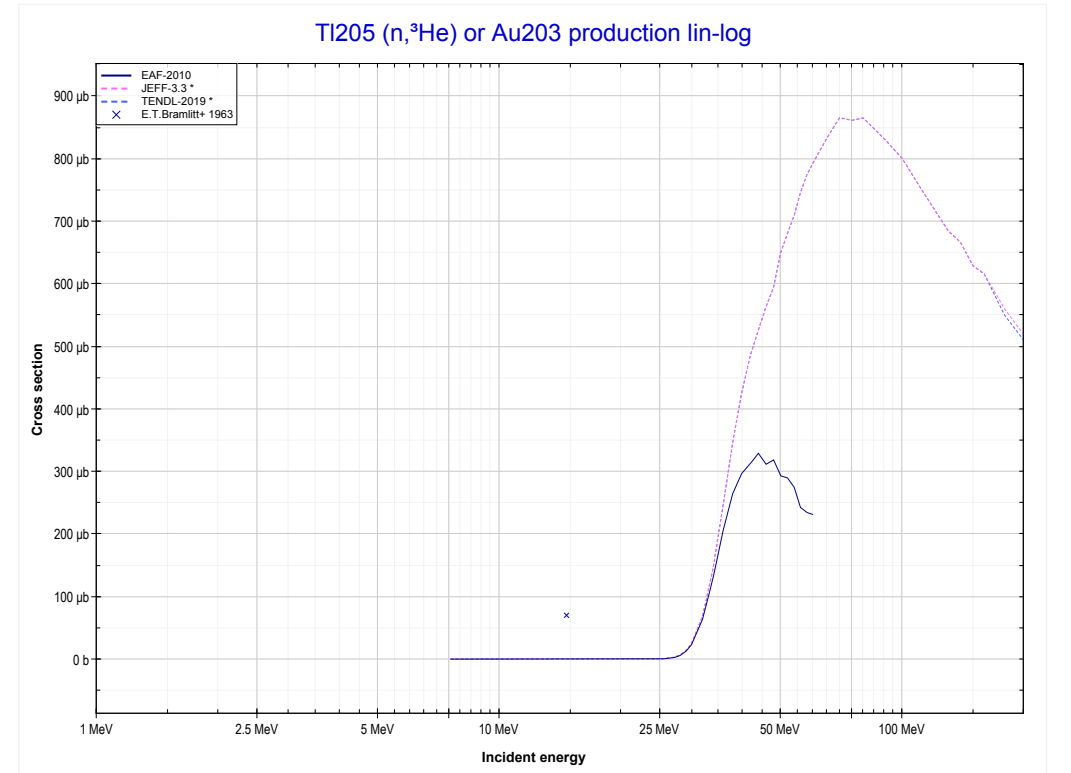
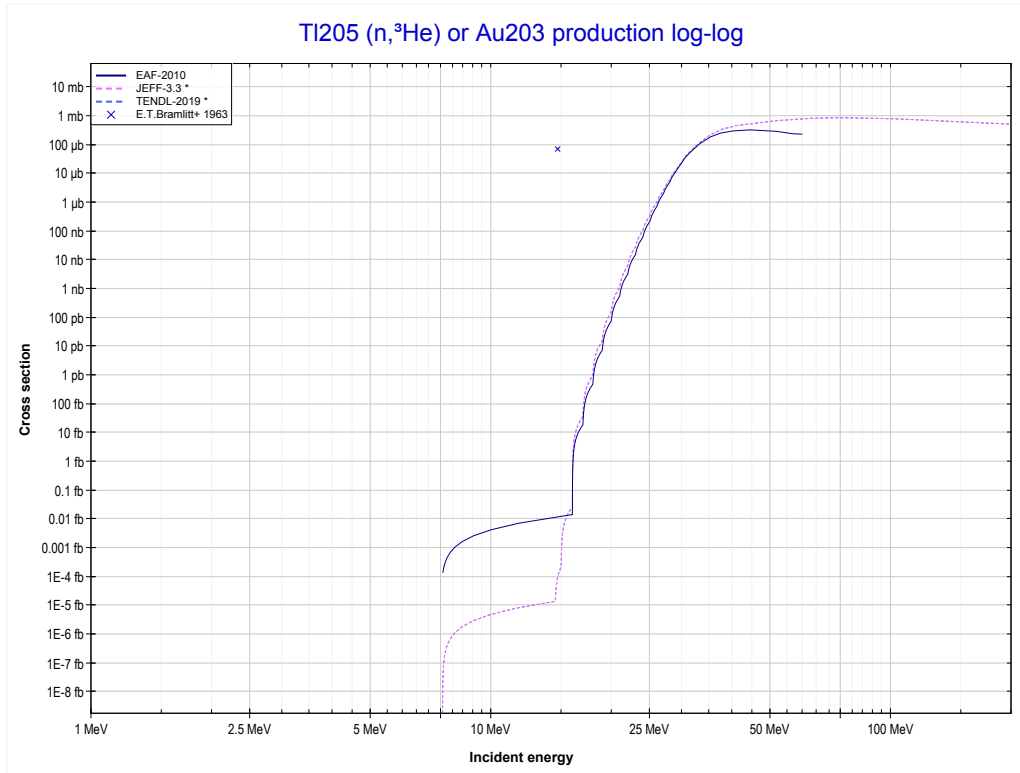
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 9.96705E-7 b | 0.00116735 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 9.4397E-7 b | 0.00159868 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 9.4375E-7 b | 0.00159837 b |

| | | |
|----------------|--|-------------------------------|
| << 74-W-184 | 81-TI-205 | 82-Pb-204 >> |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Hg203 production) | MT106 (n, ³ He) >> |



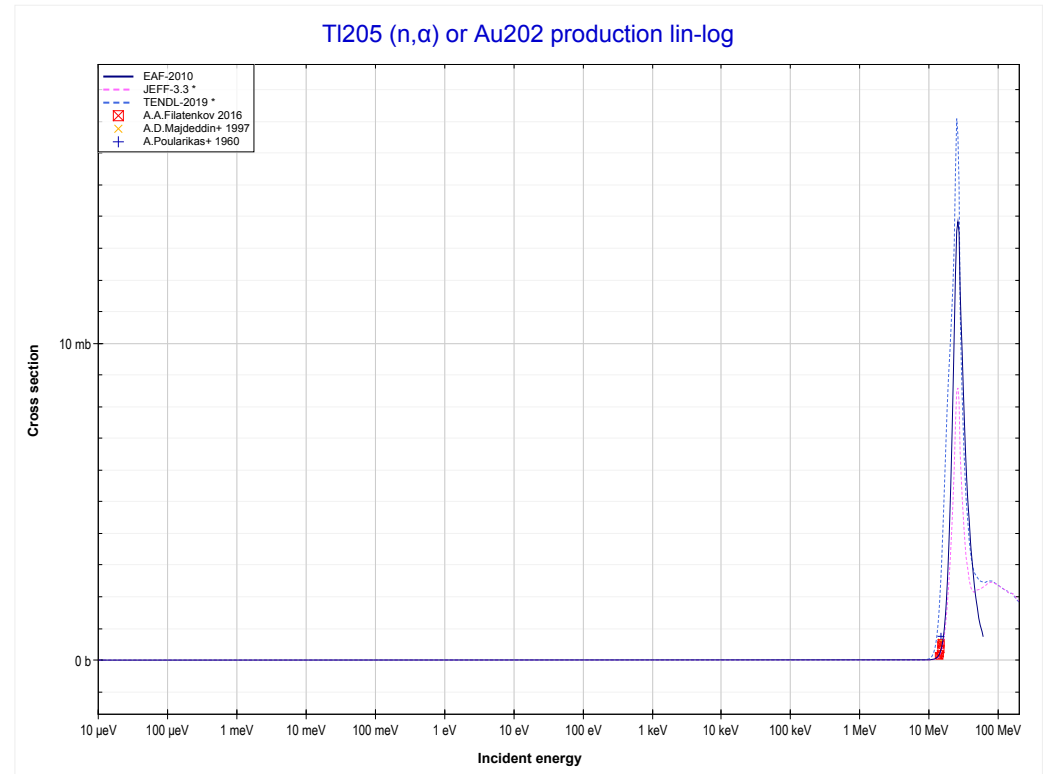
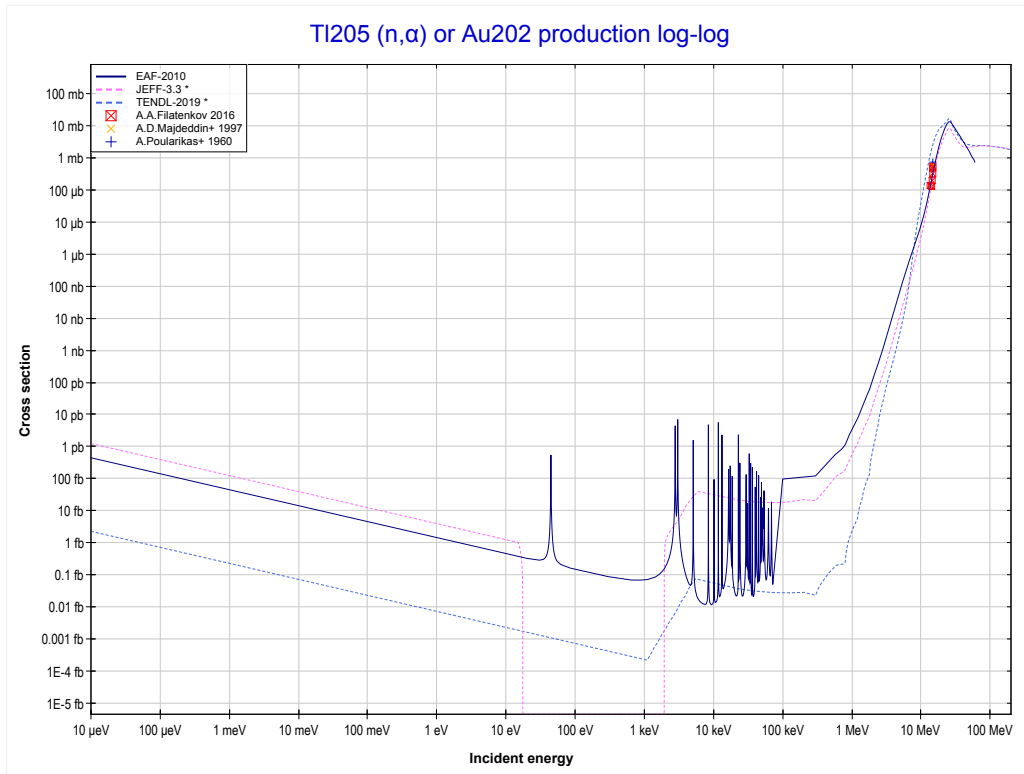
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.39443E-8 b | 1.24848E-5 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.65405E-8 b | 1.94773E-5 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.6537E-8 b | 1.94753E-5 b |

| | | |
|----------------|---|----------------|
| << 79-Au-197 | 81-Tl-205 | 83-Bi-209 >> |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Au203 production) | MT107 (n,α) >> |



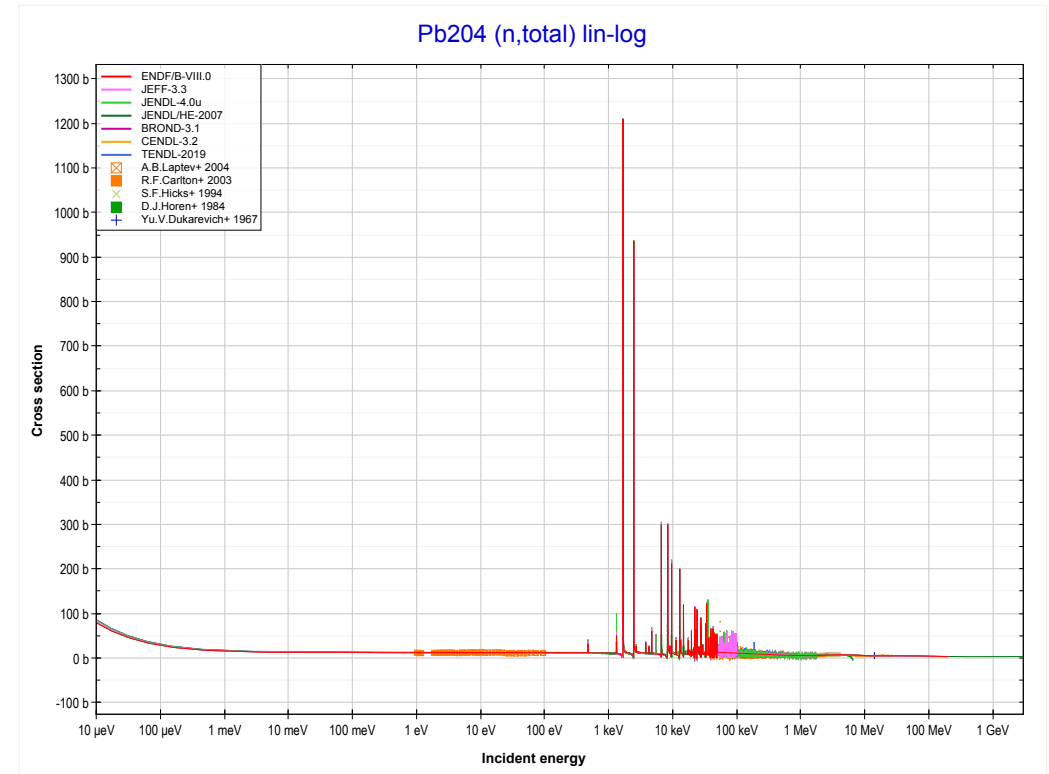
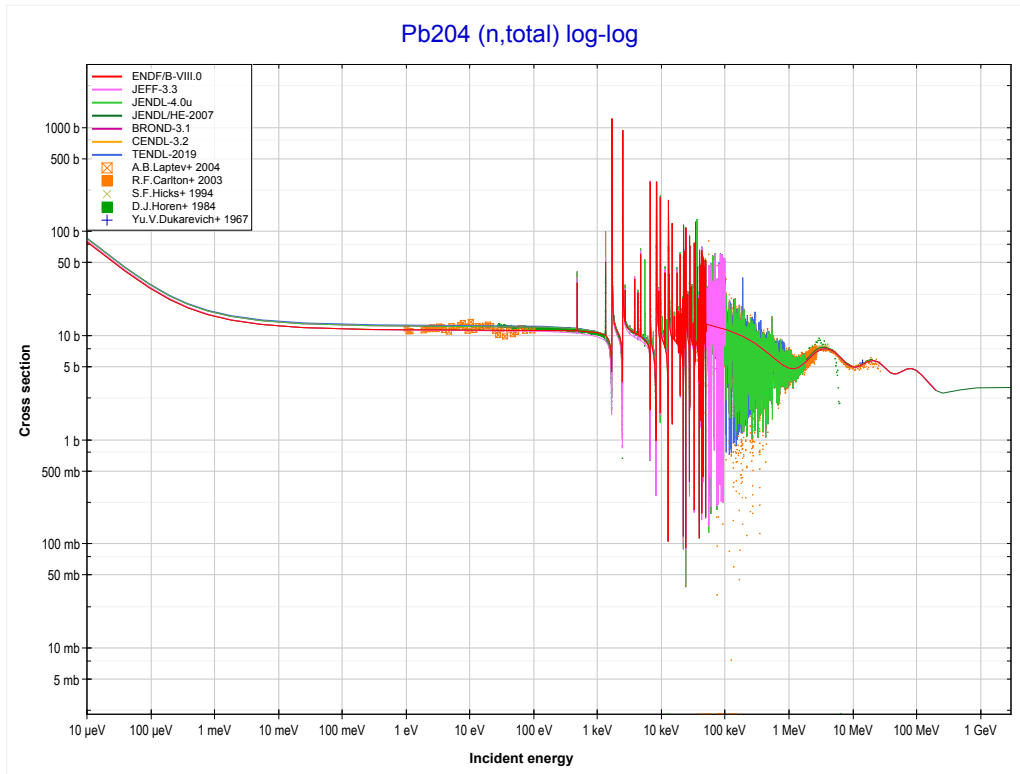
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|---------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 7.57406E-17 b | 1.08193E-17 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.5513E-16 b | 1.27407E-20 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54997E-16 b | 1.27258E-20 b |

| | | |
|-------------------------------|--|----------------------------|
| << 81-Tl-203 | 81-Tl-205 | 82-Pb-206 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (Au202 production) | 82-Pb-204 MT1 (n,total) >> |



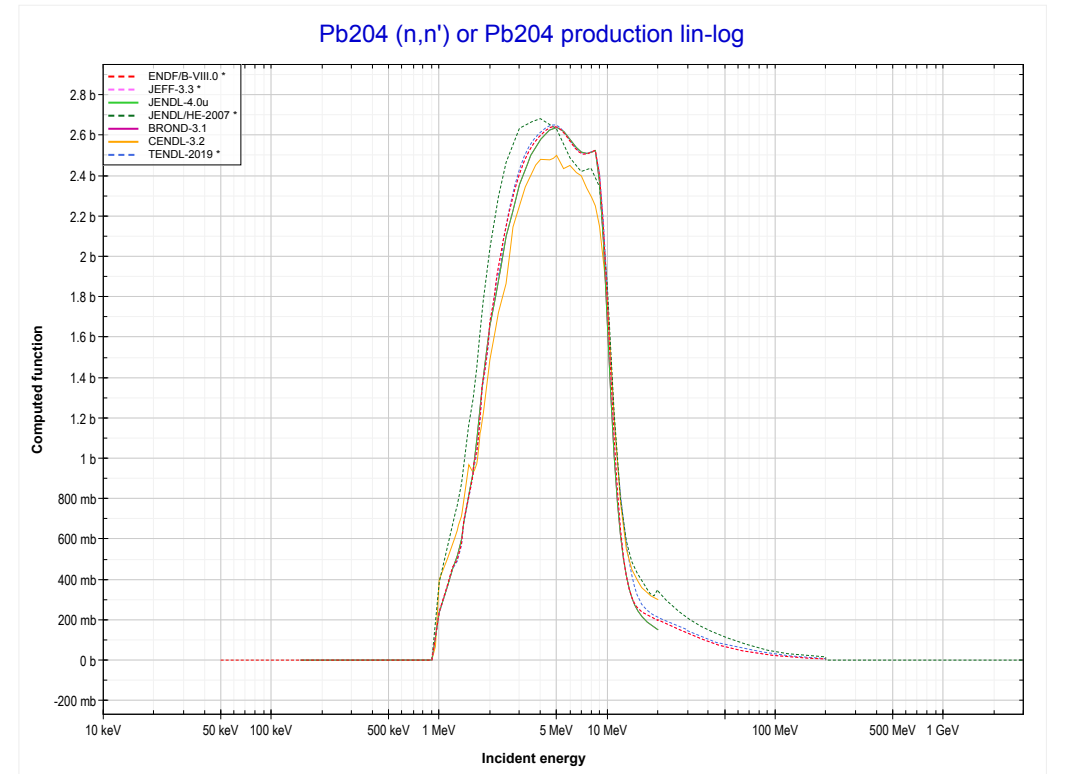
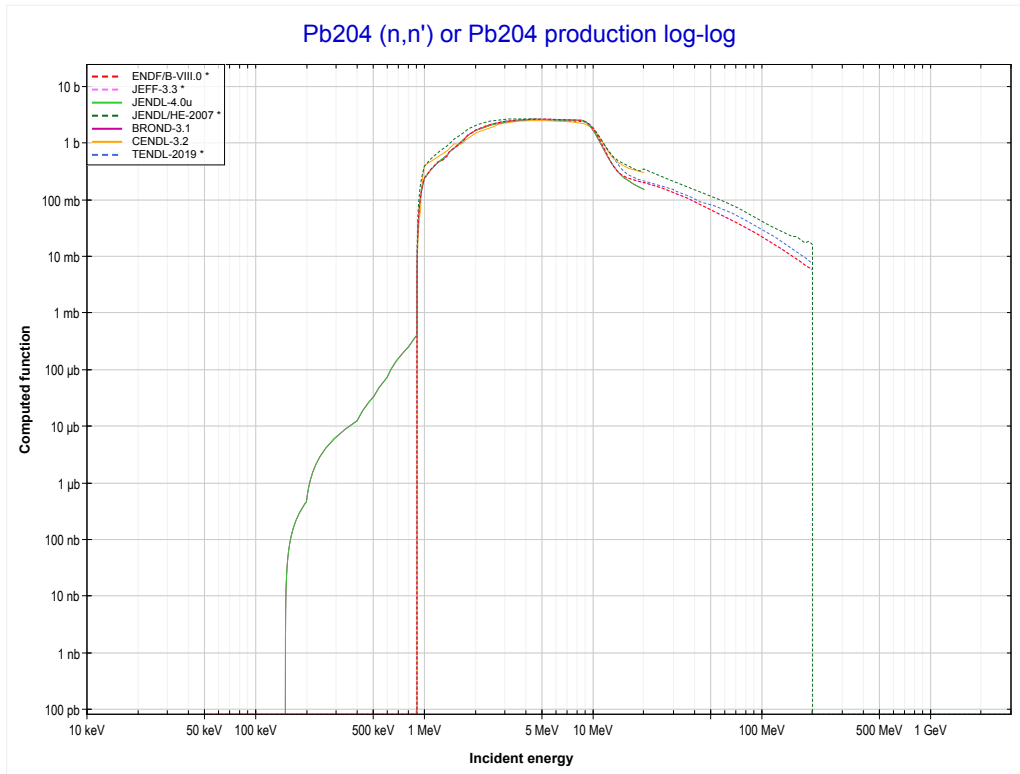
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8.83E-15 b | 8.82339E-15 b | 8.8235E-15 b | 1.00001 | 5.61407E-14 b | 1.67298E-7 b | 1.70236E-4 b |
| JEFF-3.3 | 2.46503E-14 b | 2.46503E-14 b | 2.466E-14 b | 1.00039 | 8.94823E-14 b | 9.73868E-8 b | 1.26024E-4 b |
| TENDL-2019 | 4.4923E-17 b | 4.4923E-17 b | 4.4919E-17 b | 0.99991 | 1.60679E-16 b | 9.32392E-7 b | 0.00165261 b |

| | | |
|-----------------------------------|----------------------|---------------|
| << 81-Tl-205 | 82-Pb-204 | 82-Pb-206 >> |
| << 81-Tl-205 MT107 (n, α) | MT1 (n,total) | MT4 (n,n') >> |



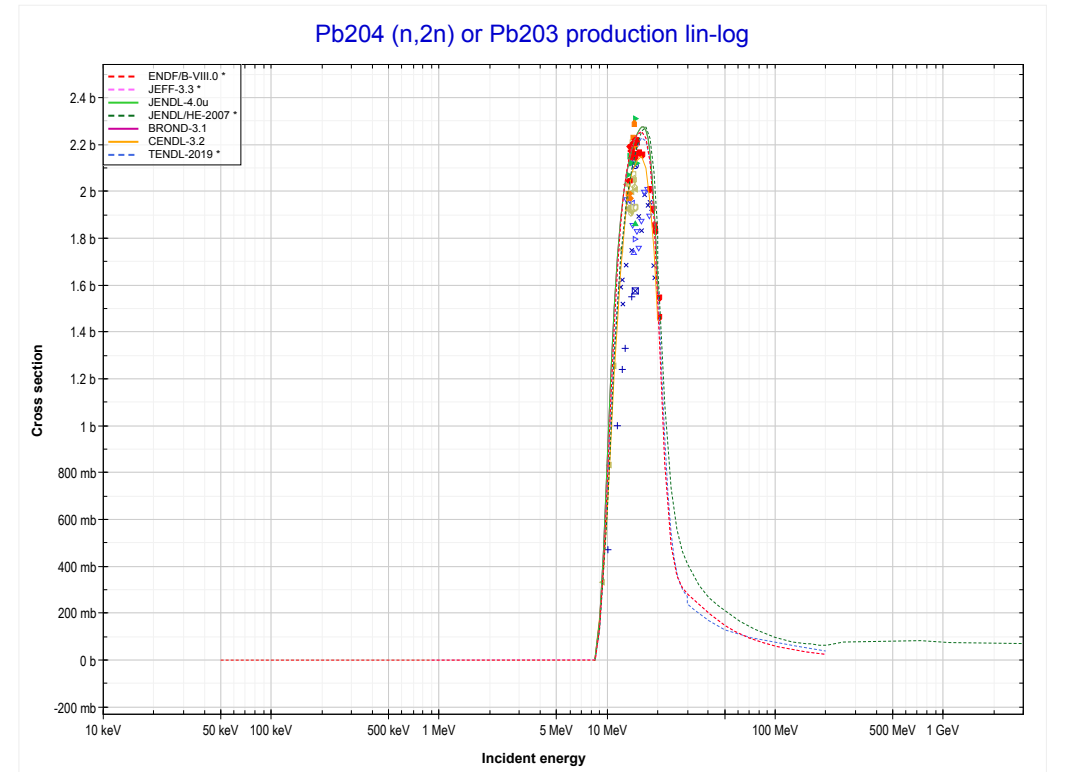
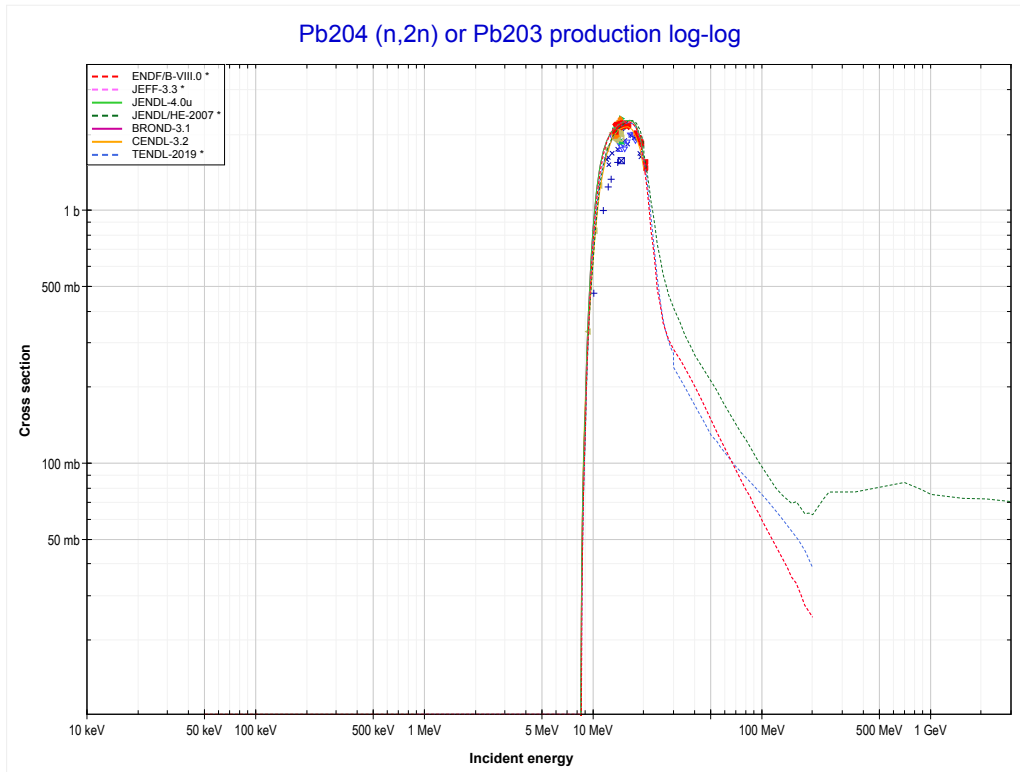
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.8851 b | 11.8851 b | 13.326 b | 1.12126 | 145.488 b | 6.36064 b | 5.2377 b |
| JEFF-3.3 | 11.8879 b | 11.8879 b | 13.324 b | 1.1208 | 139.385 b | 6.3293 b | 5.2377 b |
| JENDL-4.0u | 12.9364 b | 12.9364 b | 14.507 b | 1.12142 | 153.575 b | 6.22342 b | 5.28335 b |
| JENDL/HE-2007 | 11.8896 b | 11.8896 b | 13.348 b | 1.12265 | 145.819 b | 6.50386 b | 5.33698 b |
| BROND-3.1 | 12.9364 b | 12.9364 b | 14.507 b | 1.12142 | 153.575 b | 6.22342 b | 5.28335 b |
| CENDL-3.2 | 11.8983 b | 11.8983 b | 13.393 b | 1.12562 | 147.483 b | 6.51811 b | 5.337 b |
| TENDL-2019 | 13.2042 b | 13.2042 b | 14.81 b | 1.12161 | 154.329 b | 6.69489 b | 5.23765 b |

| | | |
|------------------|---|----------------|
| << 81-Tl-Nat | 82-Pb-204 | 82-Pb-206 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Pb204 production) | MT16 (n,2n) >> |



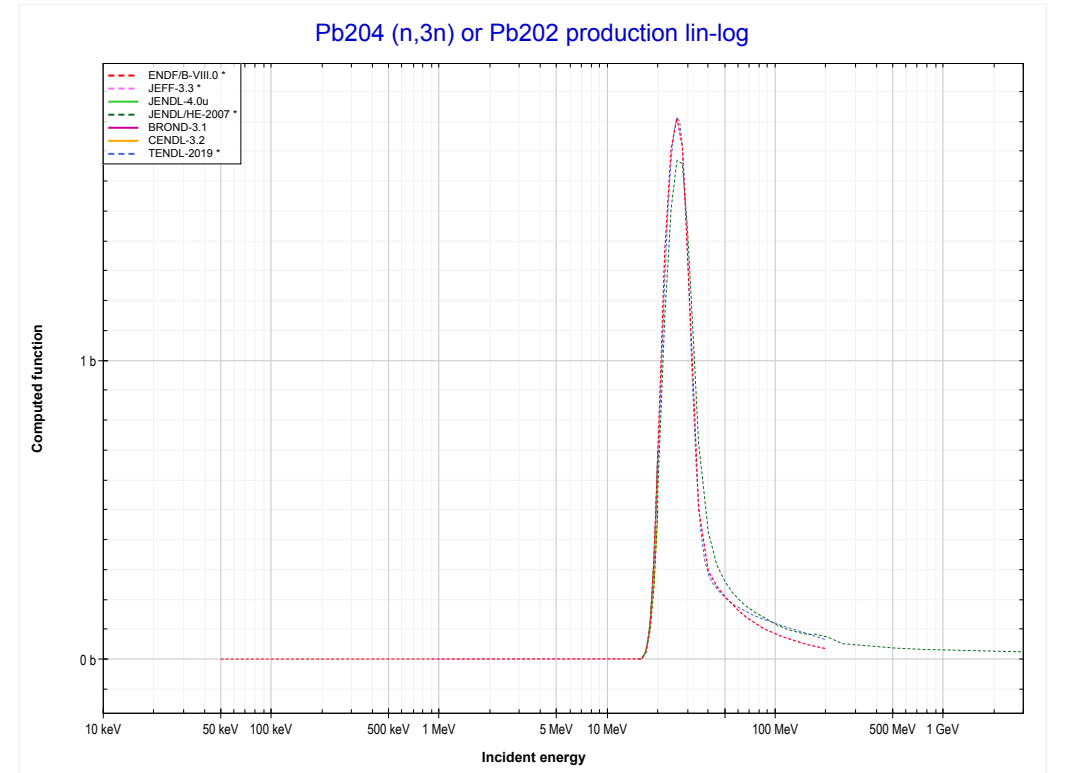
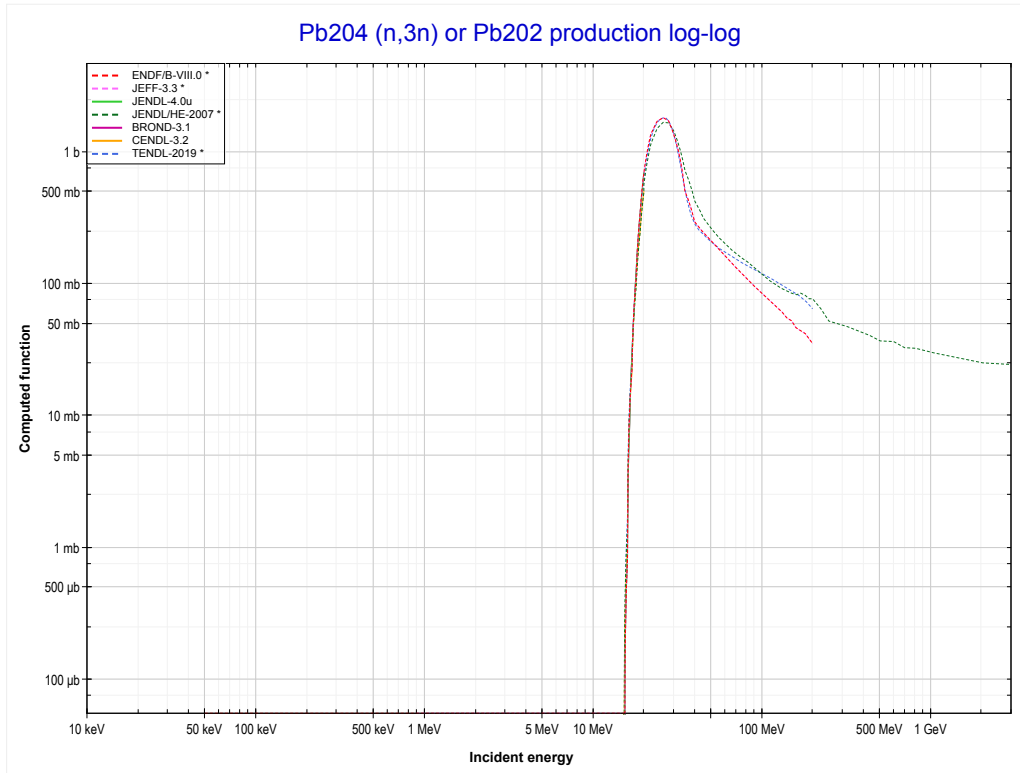
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16522 b | 0.310999 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16522 b | 0.310999 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.15264 b | 0.31042 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.32564 b | 0.488131 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15264 b | 0.31042 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10819 b | 0.449998 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.16483 b | 0.422126 b |

| | | |
|---------------|--|----------------|
| << 81-Tl-205 | 82-Pb-204 | 82-Pb-206 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pb203 production) | MT17 (n,3n) >> |



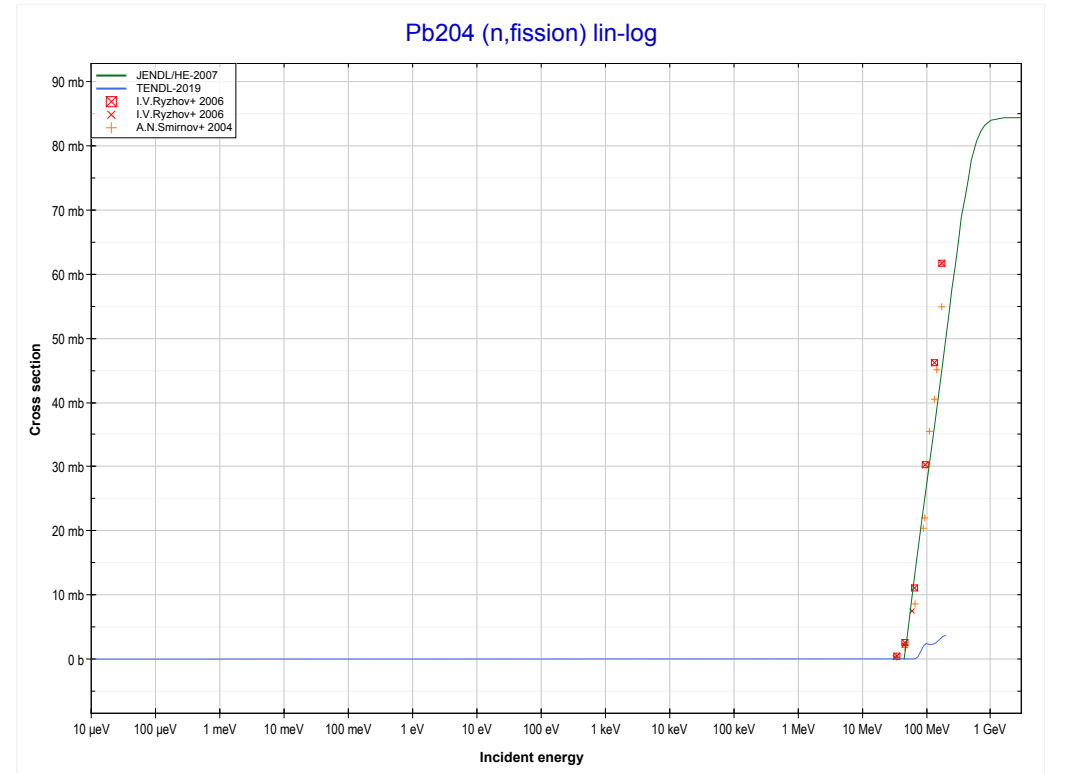
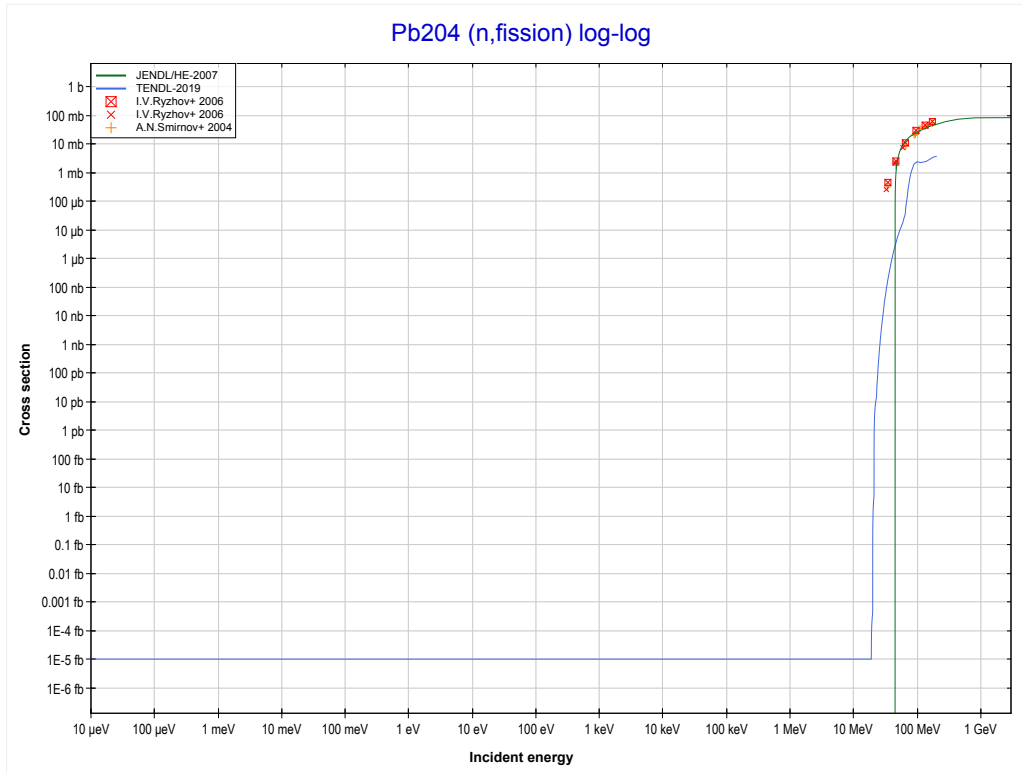
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00373548 b | 2.18741 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00373542 b | 2.18741 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00403373 b | 2.17791 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00340157 b | 2.09458 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00403373 b | 2.17791 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00340599 b | 2.08 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00350512 b | 2.08351 b |

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|----------------|--|---------------------|
| << 81-Tl-203 | 82-Pb-204 | 82-Pb-206 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Pb202 production) | MT18 (n,fission) >> |



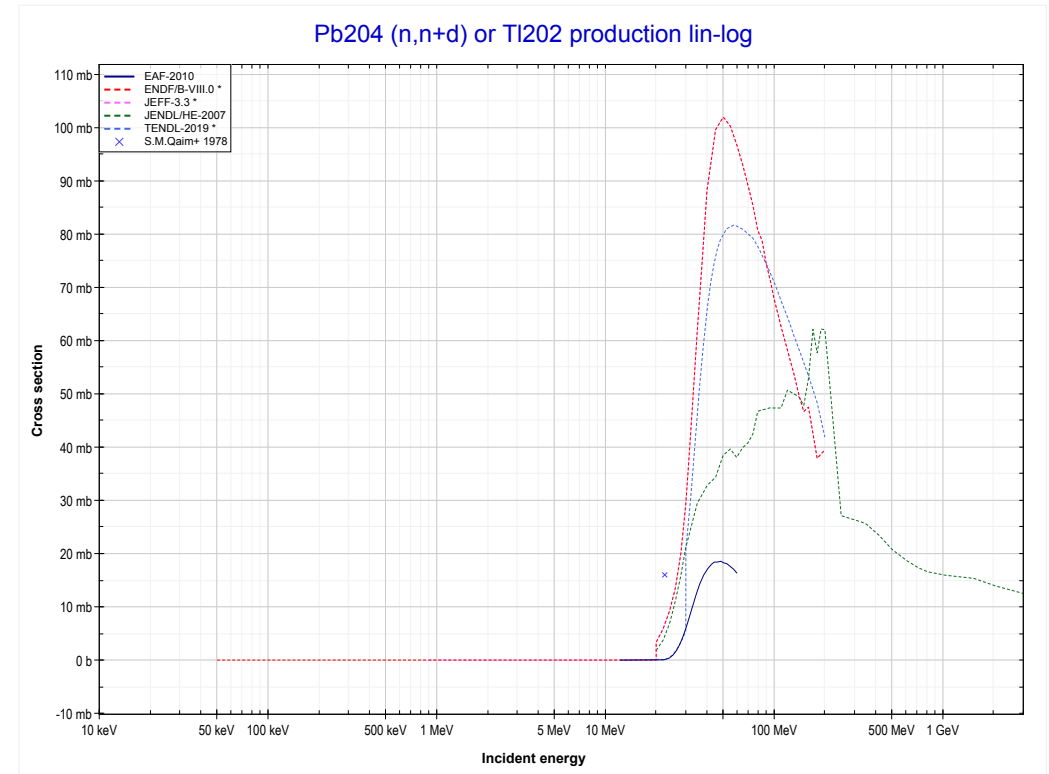
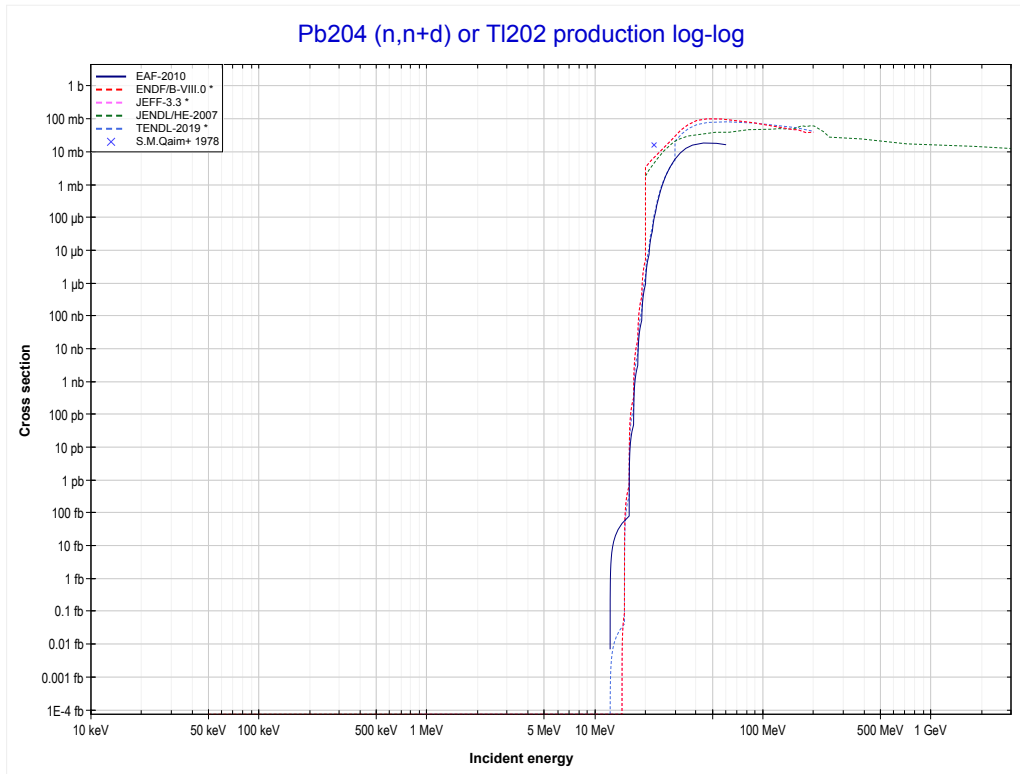
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20951E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.20856E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.21016E-6 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.72752E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.21016E-6 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.76479E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.08054E-6 b | 0 b |

| | | |
|----------------|-------------------------|-----------------|
| << 81-Tl-205 | 82-Pb-204 | 82-Pb-206 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT32 (n,n+d) >> |



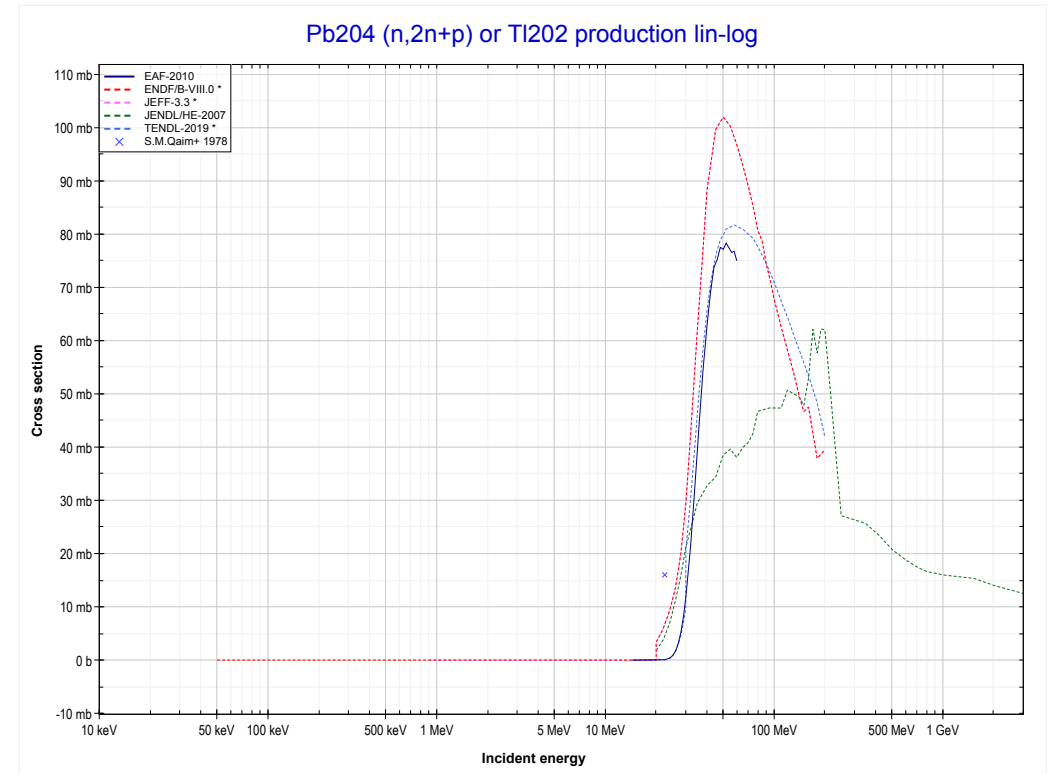
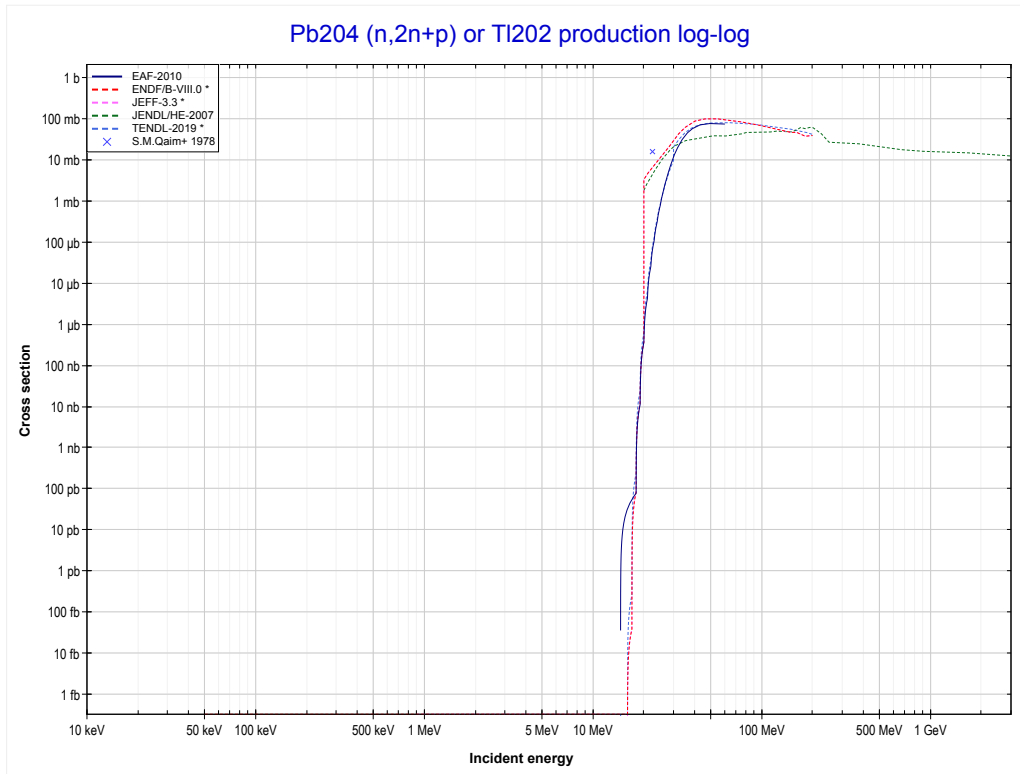
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|---|-------------------------------|
| << 81-Tl-205 | 82-Pb-204 | |
| << MT18 (n,fission) | MT32 (n,n+d) or MT5 (Tl202 production) | MT41 (n,2n+p) >> |



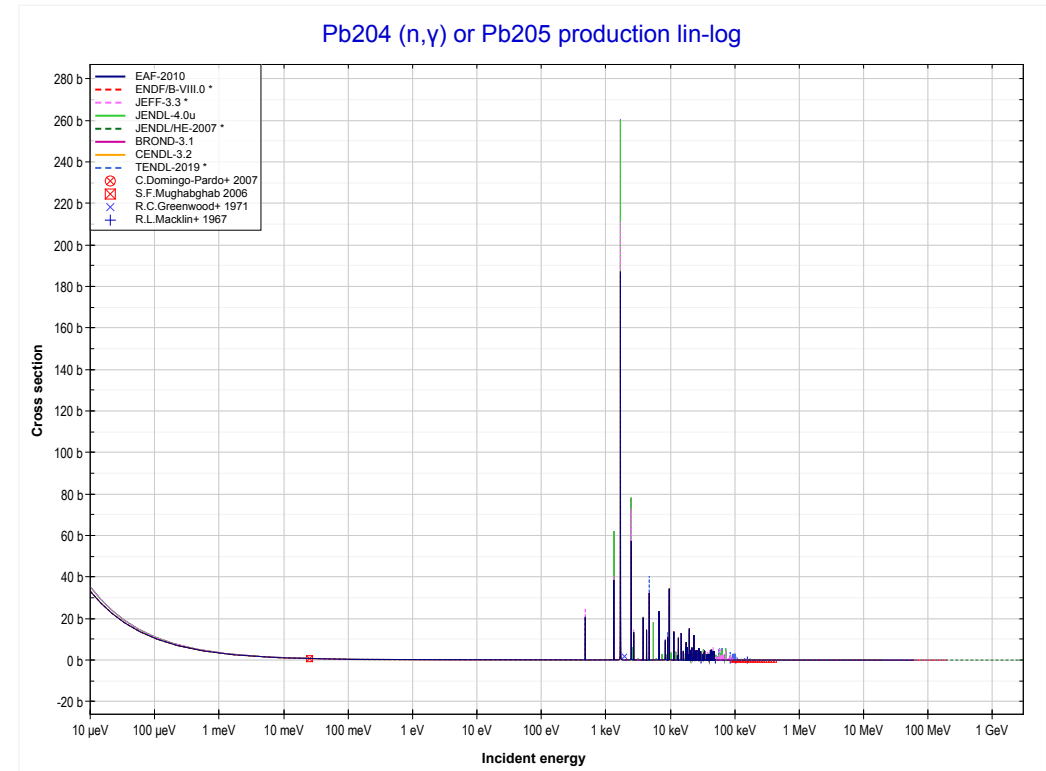
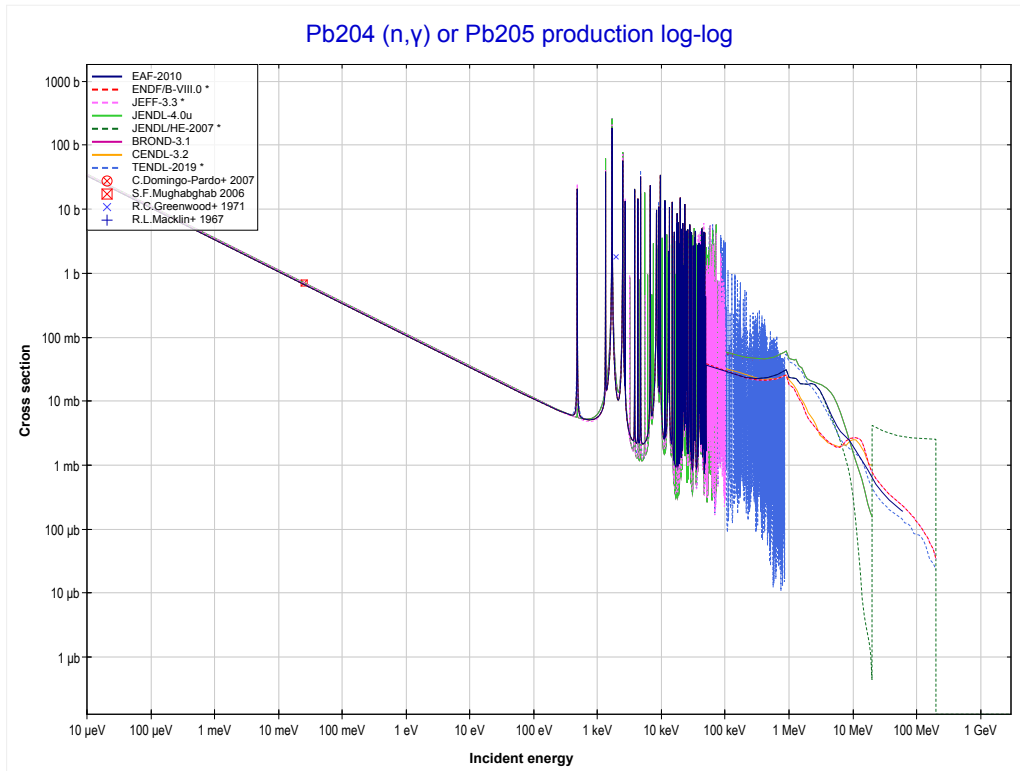
| Reaction | Q-Value |
|--------------------|---------------|
| Pb204(n,t)Tl202 | -6008.19 keV |
| Pb204(n,n+d)Tl202 | -12265.42 keV |
| Pb204(n,2n+p)Tl202 | -14489.99 keV |

| | | |
|-----------------|--|-------------------------|
| << 81-Tl-205 | 82-Pb-204 | |
| << MT32 (n,n+d) | MT41 (n,2n+p) or MT5 (Tl202 production) | MT102 (n, γ) >> |



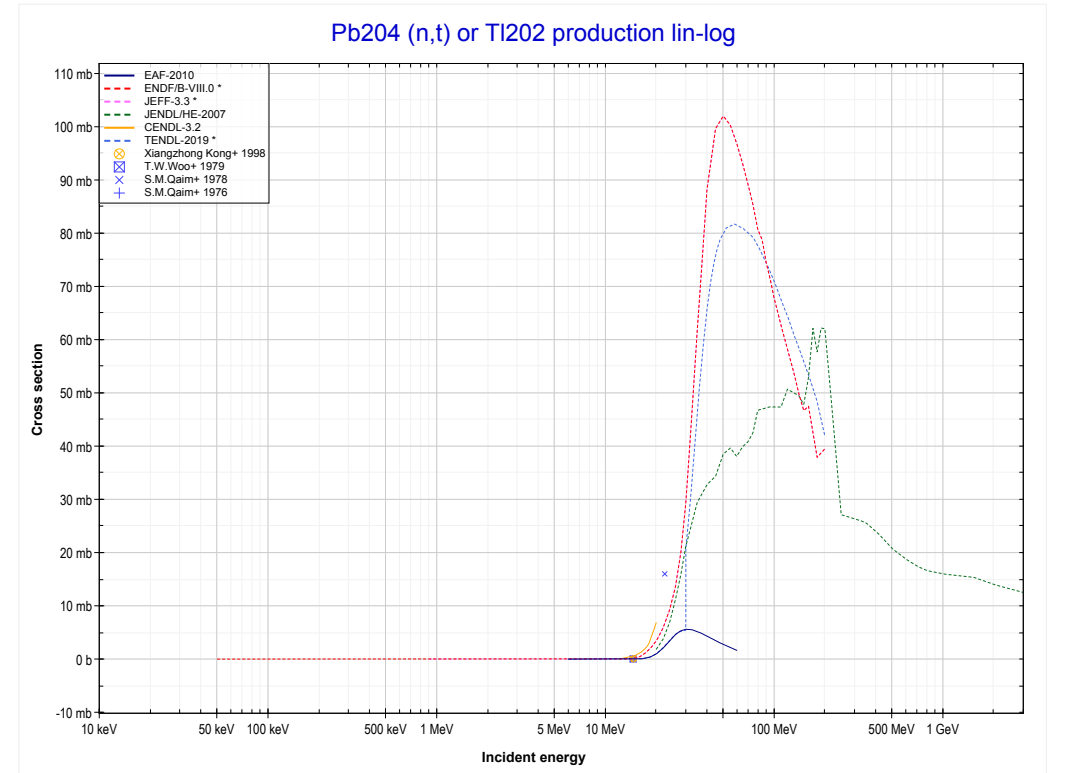
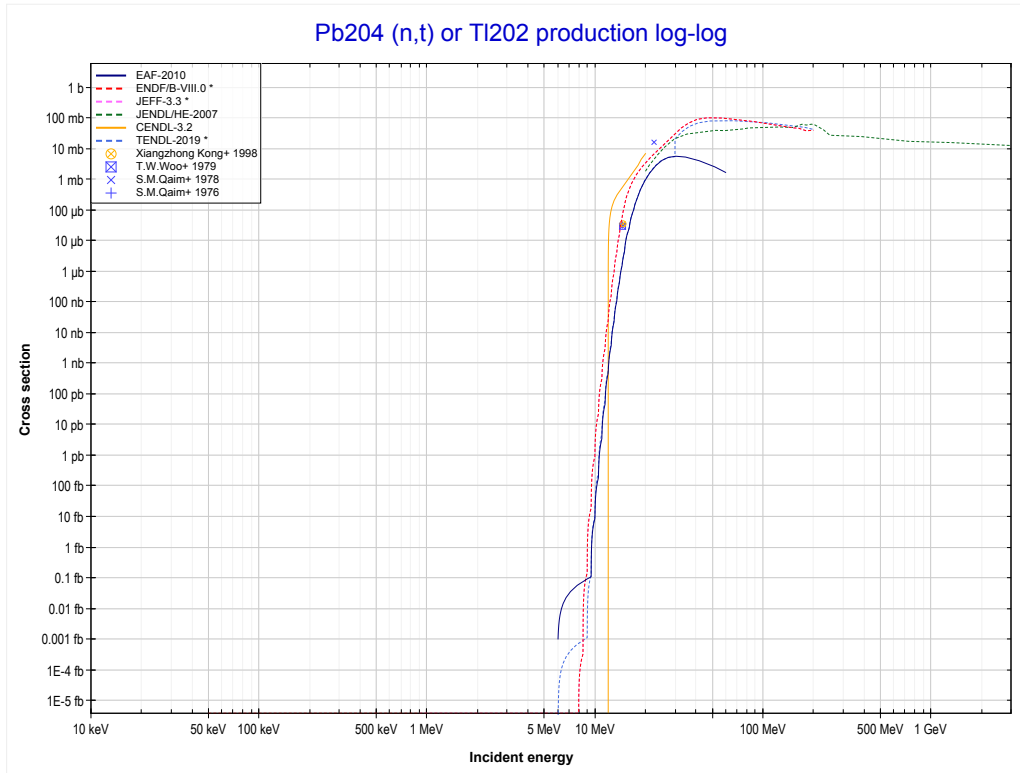
| Reaction | Q-Value |
|--------------------|---------------|
| Pb204(n,t)Tl202 | -6008.19 keV |
| Pb204(n,n+d)Tl202 | -12265.42 keV |
| Pb204(n,2n+p)Tl202 | -14489.99 keV |

| | | |
|------------------|--|----------------|
| << 81-Tl-205 | 82-Pb-204 | 82-Pb-205 >> |
| << MT41 (n,2n+p) | MT102 (n,γ) or MT5 (Pb205 production) | MT105 (n,t) >> |



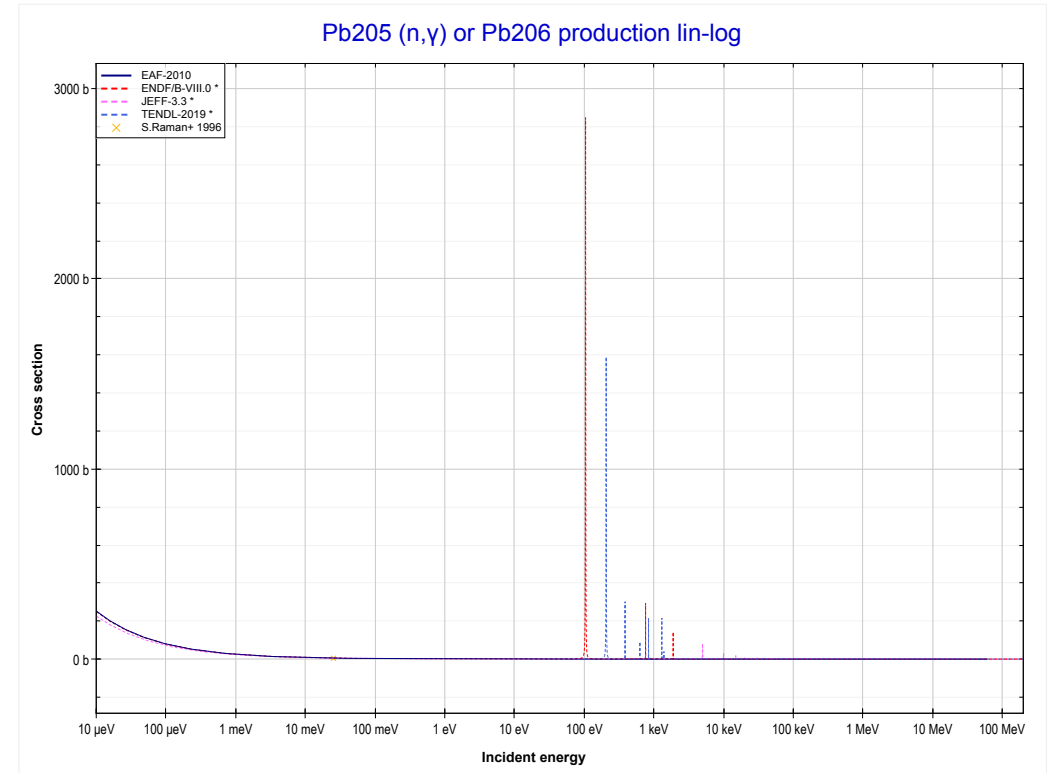
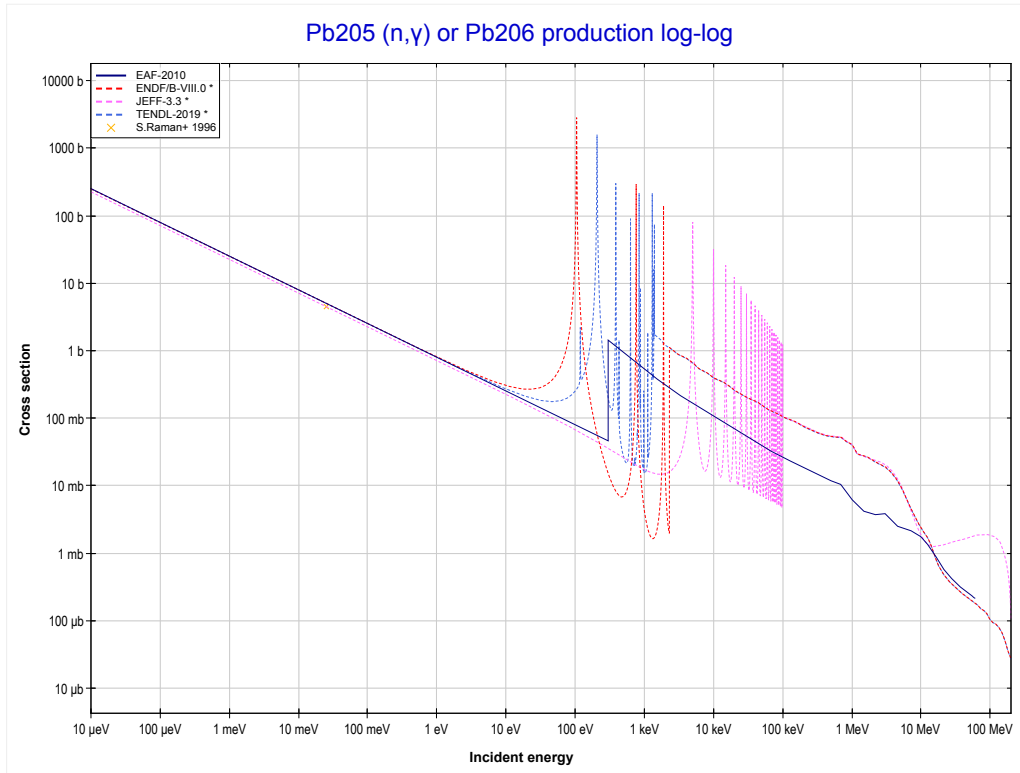
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.6614 b | 0.660954 b | 0.66226 b | 1.00206 | 1.77543 b | 0.0193895 b | 0.0011664 b |
| ENDF/B-VIII.0 | 0.660884 b | 0.660884 b | 0.66108 b | 1.0003 | 1.7769 b | 0.0121556 b | 0.0022671 b |
| JEFF-3.3 | 0.70343 b | 0.70343 b | 0.70373 b | 1.00043 | 1.93431 b | 0.0120453 b | 0.0022671 b |
| JENDL-4.0u | 0.703144 b | 0.703144 b | 0.70339 b | 1.00035 | 2.22466 b | 0.0331357 b | 5.78701E-4 b |
| JENDL/HE-2007 | 0.660656 b | 0.660656 b | 0.6607 b | 1.00007 | 1.77492 b | 0.0192866 b | 8.14947E-6 b |
| BROND-3.1 | 0.703144 b | 0.703144 b | 0.70339 b | 1.00035 | 2.22466 b | 0.0331357 b | 5.78701E-4 b |
| CENDL-3.2 | 0.660656 b | 0.660656 b | 0.6607 b | 1.00007 | 1.77776 b | 0.0131261 b | 0.00181731 b |
| TENDL-2019 | 0.703101 b | 0.703101 b | 0.70314 b | 1.00006 | 2.23391 b | 0.0171516 b | 0.00115411 b |

| | | |
|-------------------------|--|-----------------------------------|
| << 81-Tl-205 | 82-Pb-204 | 83-Bi-209 >> |
| << MT102 (n, γ) | MT105 (n,t) or MT5 (Tl202 production) | 82-Pb-205 MT102 (n, γ) >> |



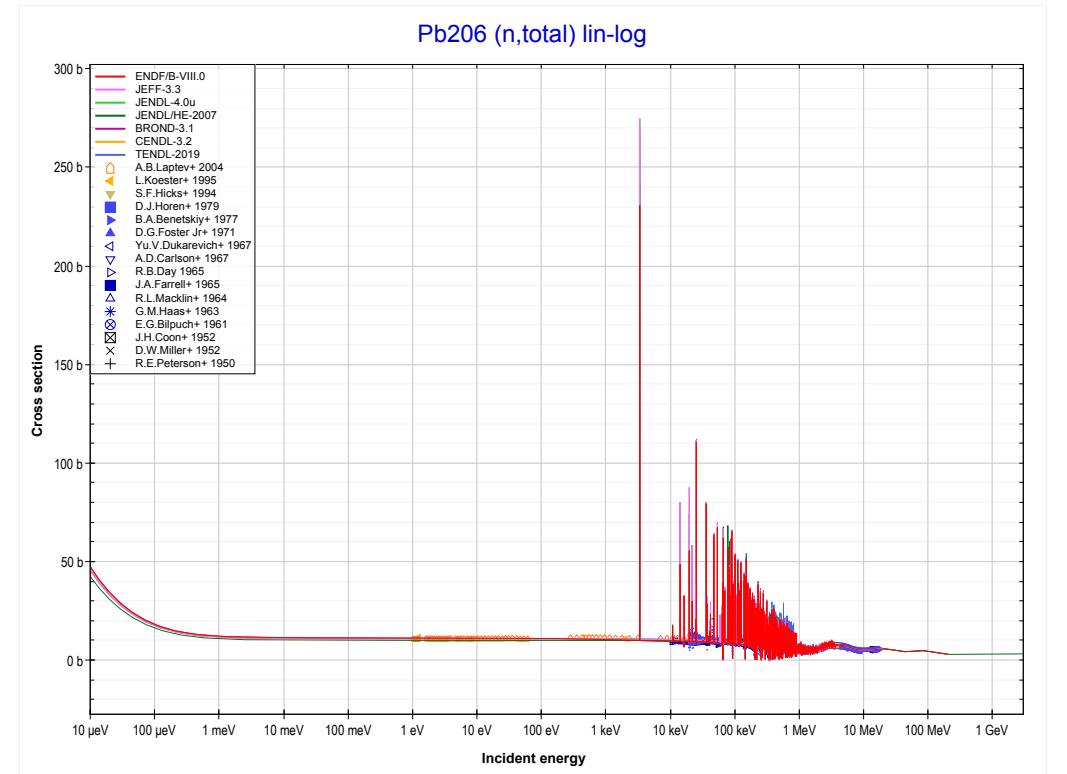
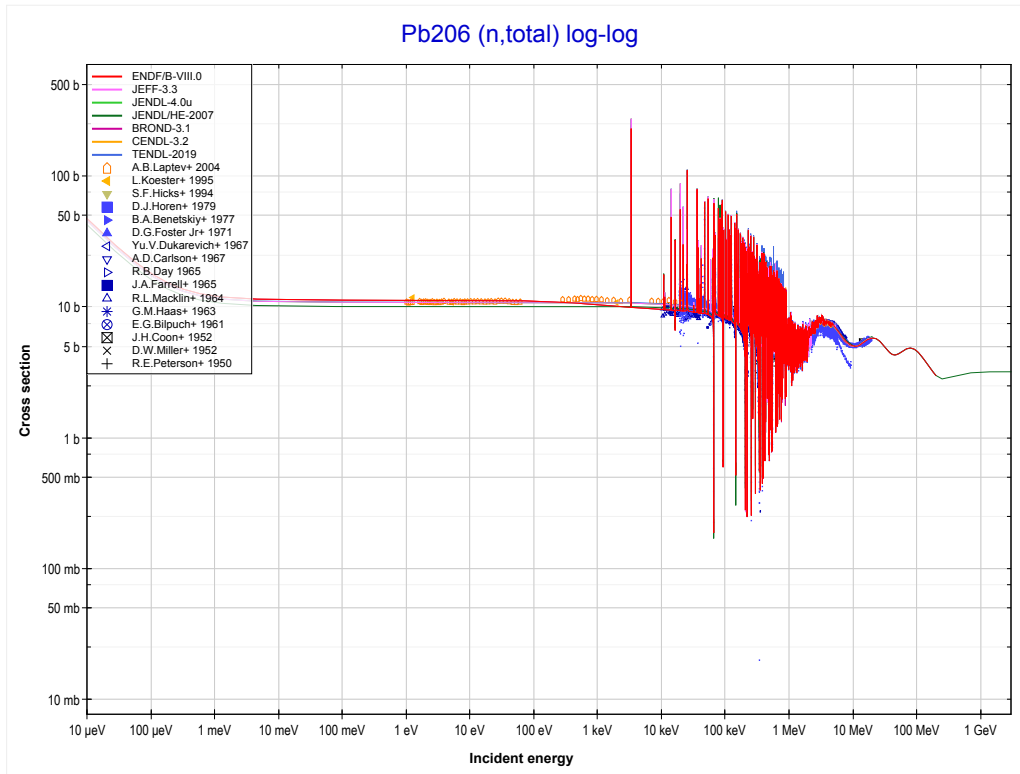
| Reaction | Q-Value |
|--------------------|---------------|
| Pb204(n,t)Tl202 | -6008.19 keV |
| Pb204(n,n+d)Tl202 | -12265.42 keV |
| Pb204(n,2n+p)Tl202 | -14489.99 keV |

| | | |
|--------------------------|--|----------------------------|
| << 82-Pb-204 | 82-Pb-205 | 82-Pb-206 >> |
| << 82-Pb-204 MT105 (n,t) | MT102 (n,γ) or MT5 (Pb206 production) | 82-Pb-206 MT1 (n,total) >> |



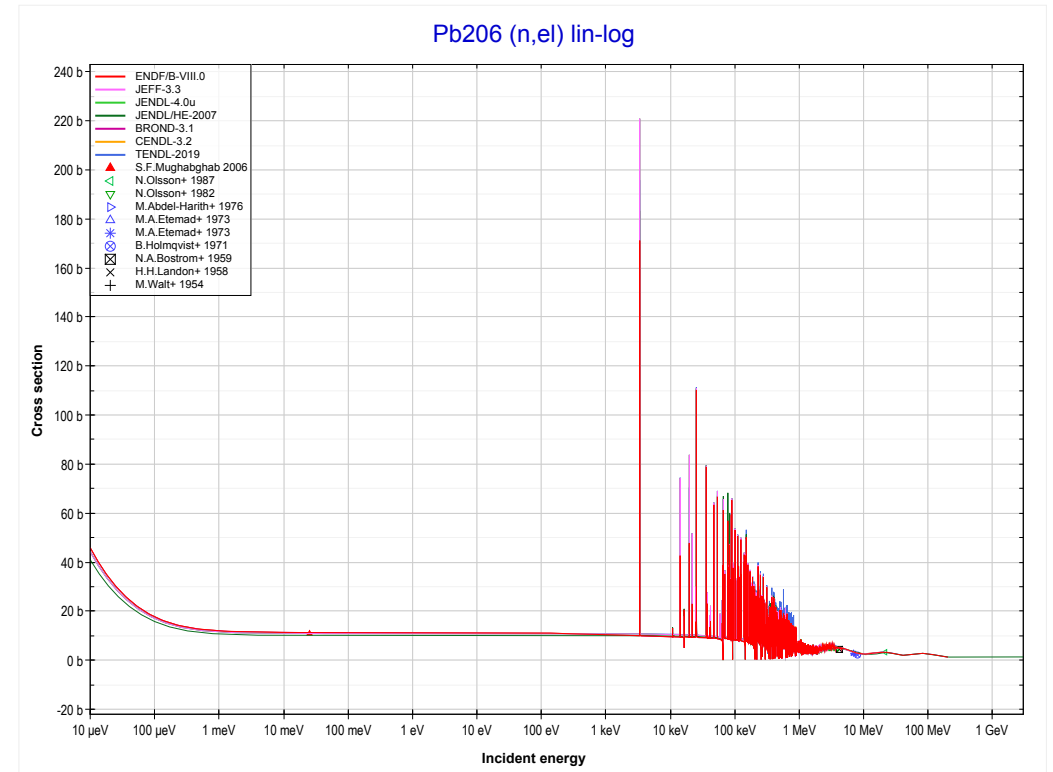
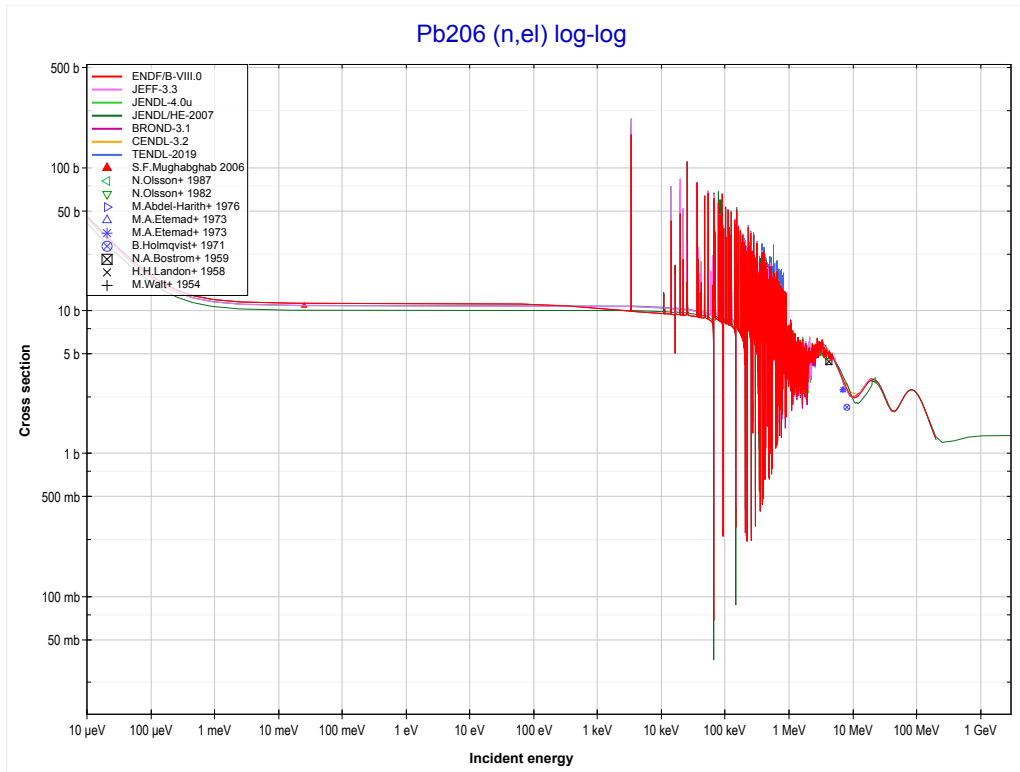
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5 b | 4.99626 b | 4.9991 b | 1.00058 | 3.98146 b | 0.00683132 b | 0.00114 b |
| ENDF/B-VIII.0 | 4.98005 b | 4.98005 b | 4.983 b | 1.0006 | 53.1191 b | 0.0341509 b | 0.00131148 b |
| JEFF-3.3 | 4.50112 b | 4.50112 b | 4.503 b | 1.00042 | 4.18498 b | 0.0349571 b | 0.00127637 b |
| TENDL-2019 | 4.97665 b | 4.97665 b | 4.9774 b | 1.00016 | 34.5226 b | 0.0337926 b | 0.00131004 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 82-Pb-204 | 82-Pb-206 | 82-Pb-207 >> |
| << 82-Pb-205 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



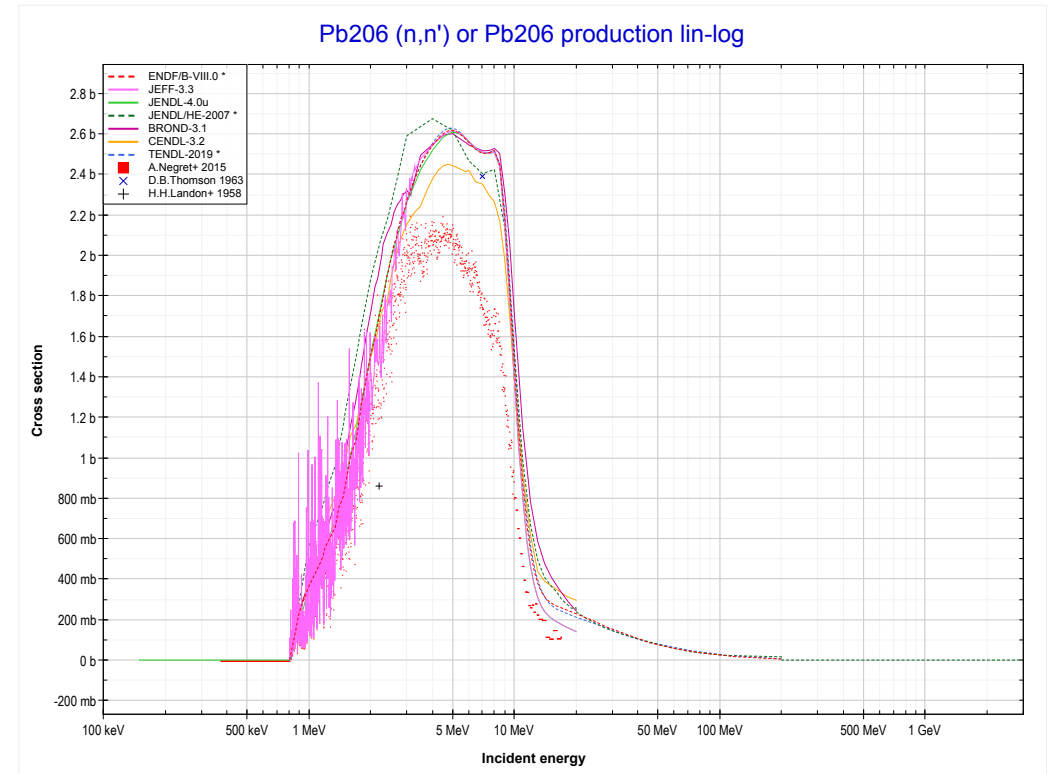
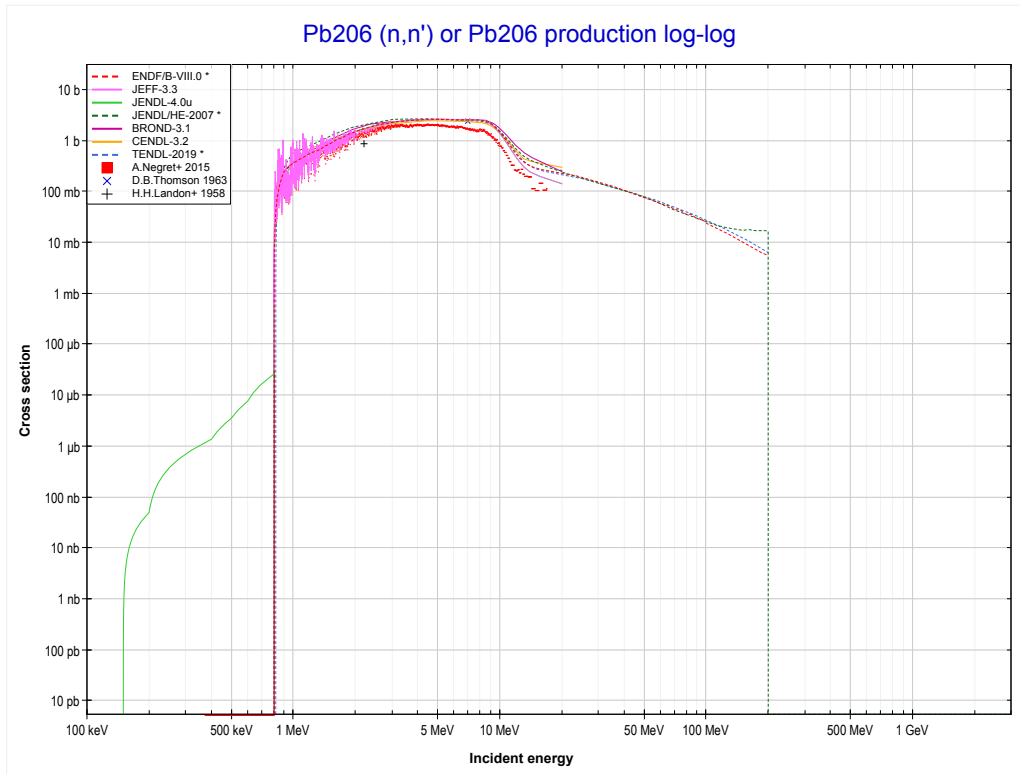
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.2939 b | 11.2939 b | 12.74 b | 1.12804 | 129.004 b | 6.19258 b | 5.2633 b |
| JEFF-3.3 | 10.8751 b | 10.8751 b | 12.268 b | 1.12807 | 130.597 b | 6.18549 b | 5.30831 b |
| JENDL-4.0u | 10.8751 b | 10.8751 b | 12.268 b | 1.12806 | 130.597 b | 6.18549 b | 5.30831 b |
| JENDL/HE-2007 | 10.0905 b | 10.0905 b | 11.383 b | 1.12806 | 121.97 b | 6.28475 b | 5.34844 b |
| BROND-3.1 | 11.2939 b | 11.2939 b | 12.74 b | 1.12804 | 129.004 b | 6.18644 b | 5.2657 b |
| CENDL-3.2 | 11.2938 b | 11.2938 b | 12.741 b | 1.12811 | 129.062 b | 6.1678 b | 5.25582 b |
| TENDL-2019 | 10.9182 b | 10.9182 b | 12.317 b | 1.12812 | 131.352 b | 6.80127 b | 5.32885 b |

| | | |
|------------------|------------------------|---------------|
| << 81-Tl-205 | 82-Pb-206 | 82-Pb-208 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



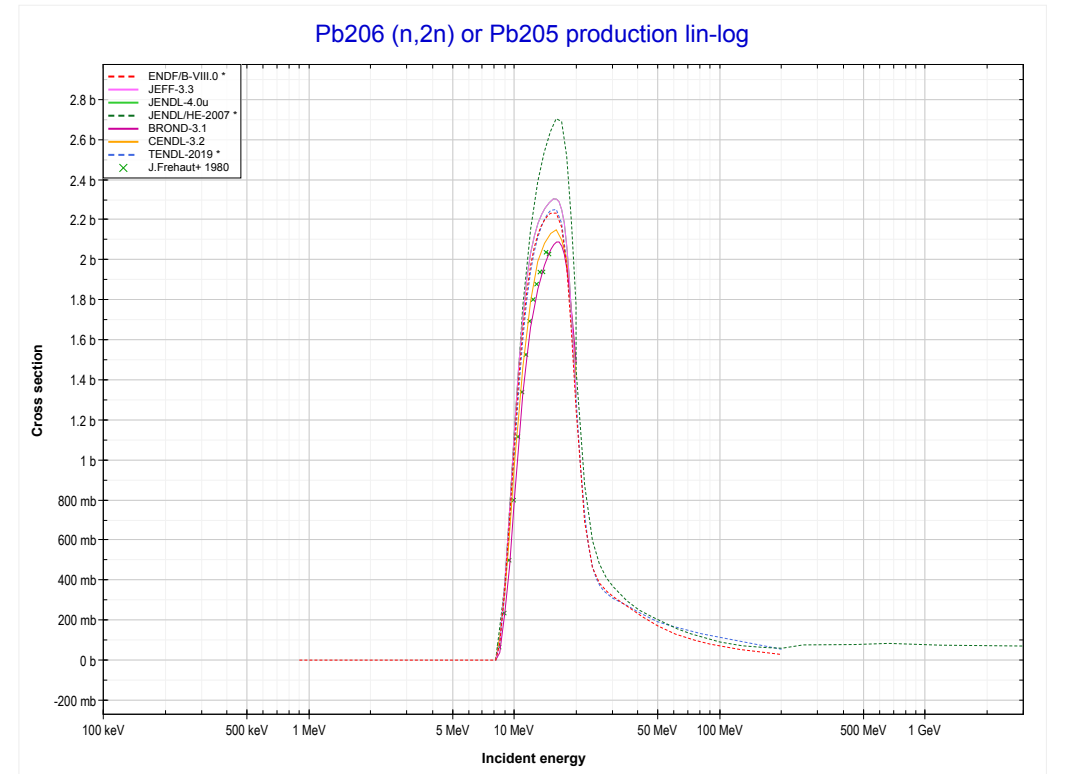
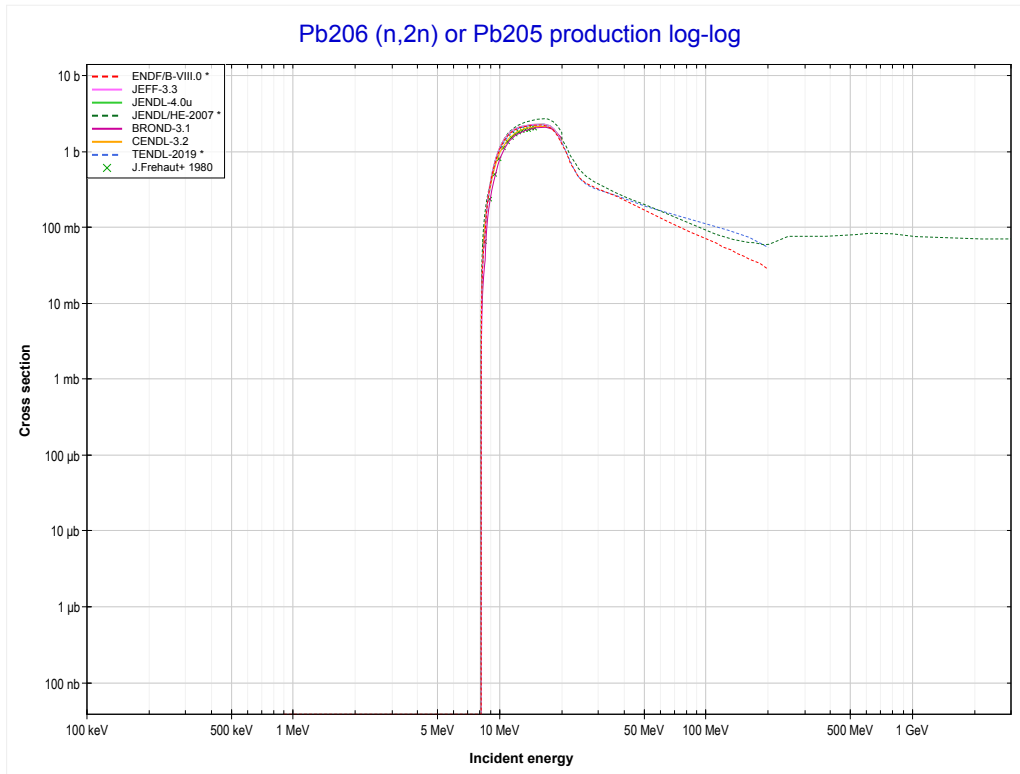
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.2641 b | 11.2641 b | 12.71 b | 1.12837 | 128.913 b | 5.0433 b | 2.74491 b |
| JEFF-3.3 | 10.8485 b | 10.8485 b | 12.241 b | 1.12838 | 130.506 b | 5.07668 b | 2.80999 b |
| JENDL-4.0u | 10.8485 b | 10.8485 b | 12.241 b | 1.12838 | 130.506 b | 5.03623 b | 2.81043 b |
| JENDL/HE-2007 | 10.0599 b | 10.0599 b | 11.352 b | 1.12845 | 121.86 b | 4.96031 b | 2.39547 b |
| BROND-3.1 | 11.2641 b | 11.2641 b | 12.71 b | 1.12837 | 128.913 b | 4.96445 b | 2.80566 b |
| CENDL-3.2 | 11.2641 b | 11.2641 b | 12.711 b | 1.12844 | 128.969 b | 5.04392 b | 2.78142 b |
| TENDL-2019 | 10.8903 b | 10.8903 b | 12.289 b | 1.12845 | 131.233 b | 5.65049 b | 2.81043 b |

| | | |
|--------------------|---|----------------|
| << 82-Pb-204 | 82-Pb-206 | 82-Pb-207 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Pb206 production) | MT16 (n,2n) >> |



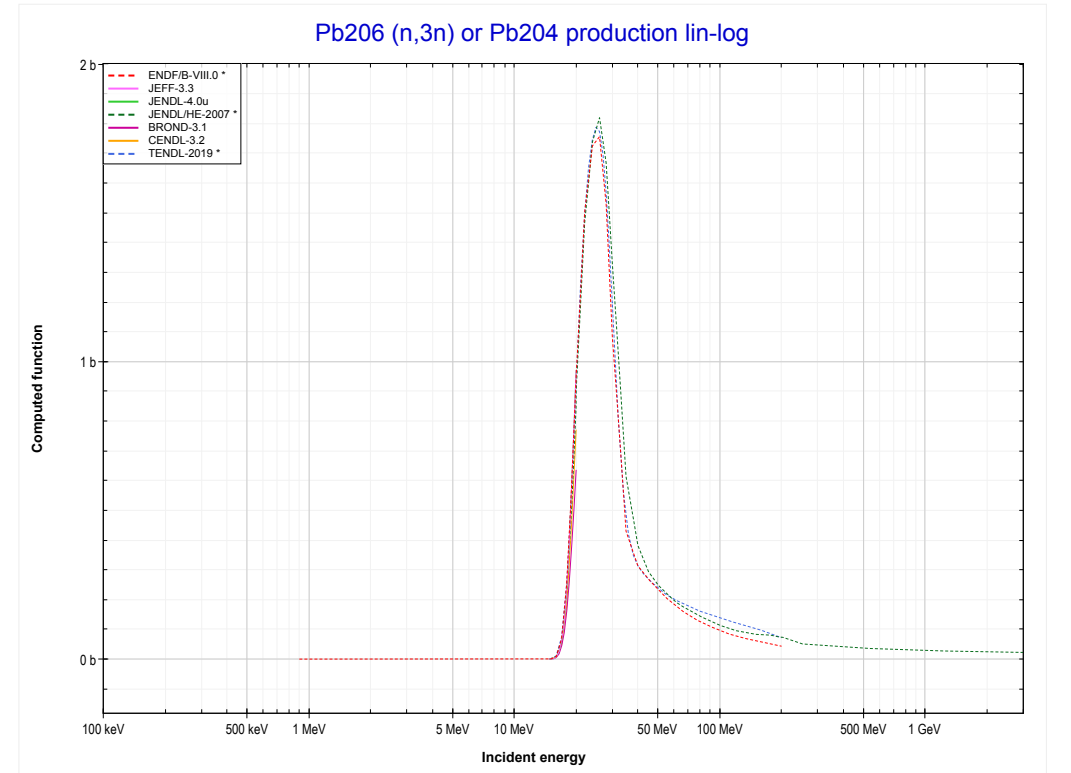
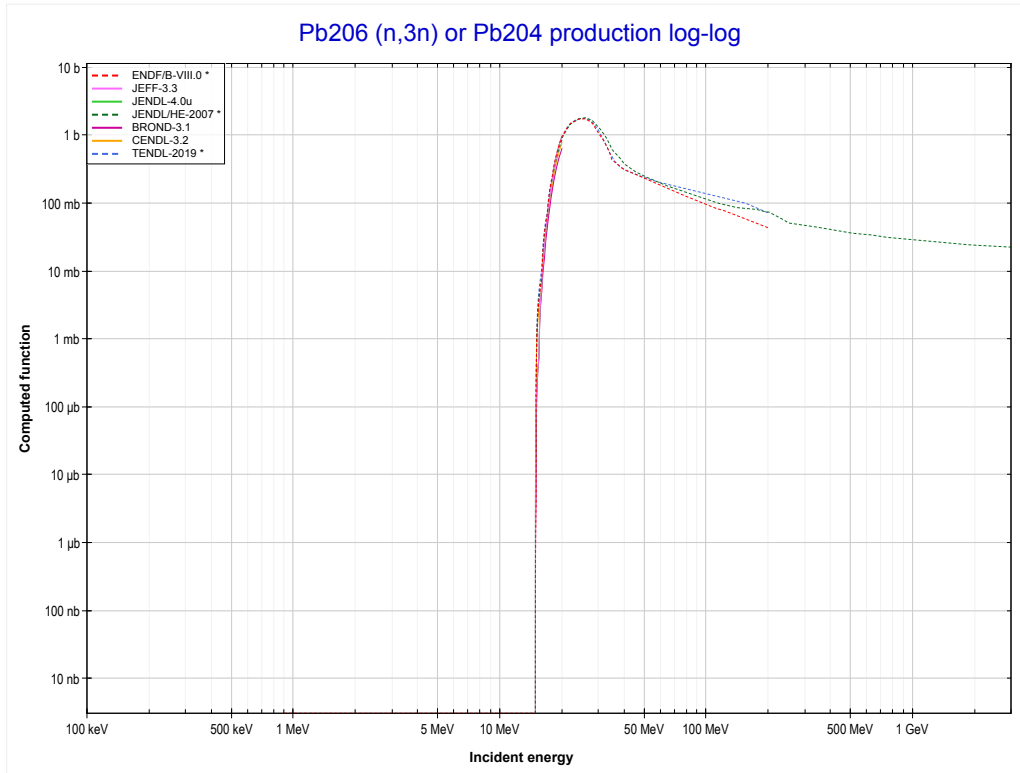
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.14112 b | 0.314363 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09955 b | 0.24174 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.13999 b | 0.241296 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31622 b | 0.411002 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.21419 b | 0.480783 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.11618 b | 0.390103 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.1404 b | 0.314454 b |

| | | |
|---------------|--|----------------|
| << 82-Pb-204 | 82-Pb-206 | 82-Pb-207 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pb205 production) | MT17 (n,3n) >> |



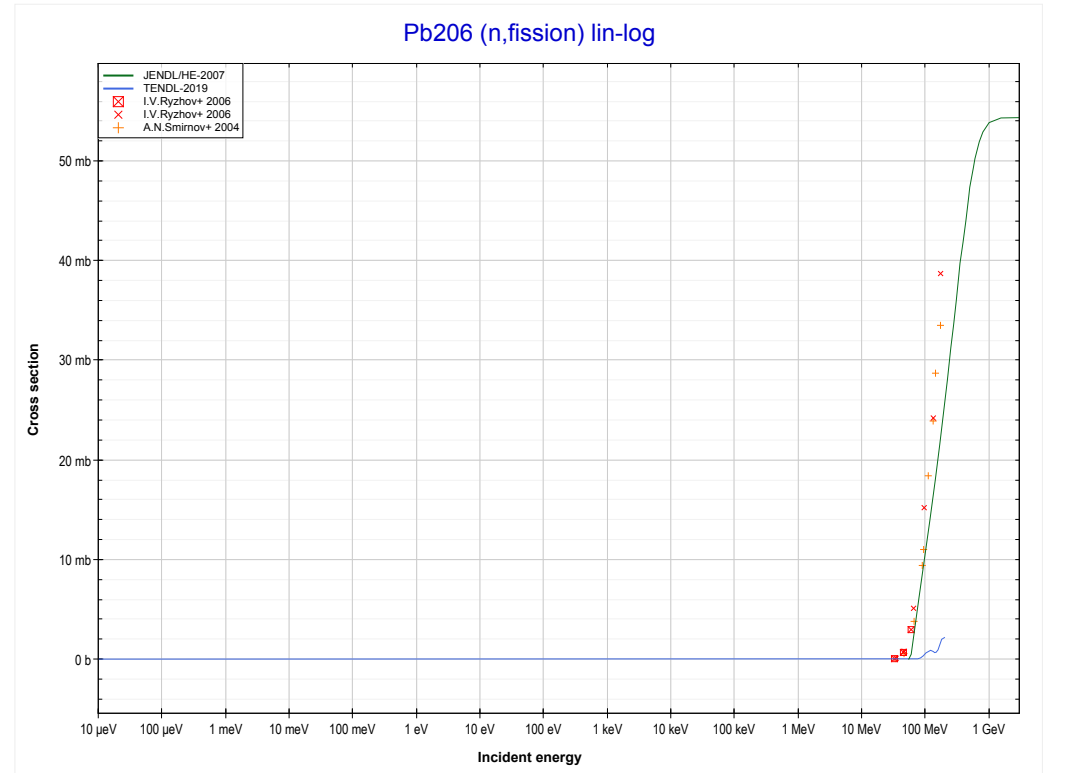
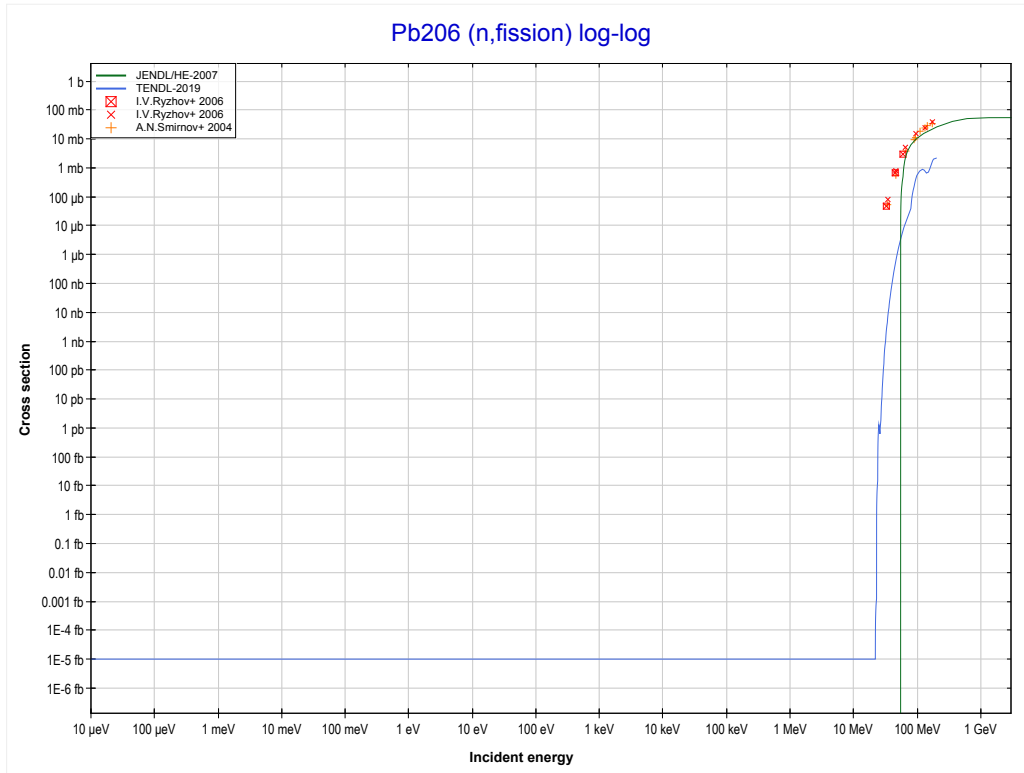
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00502651 b | 2.19711 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00524933 b | 2.25184 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00524933 b | 2.25184 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00551145 b | 2.53902 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00382994 b | 1.9695 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00461416 b | 2.07998 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00482966 b | 2.19989 b |

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|----------------|--|---------------------|
| << 82-Pb-204 | 82-Pb-206 | 83-Bi-209 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Pb204 production) | MT18 (n,fission) >> |



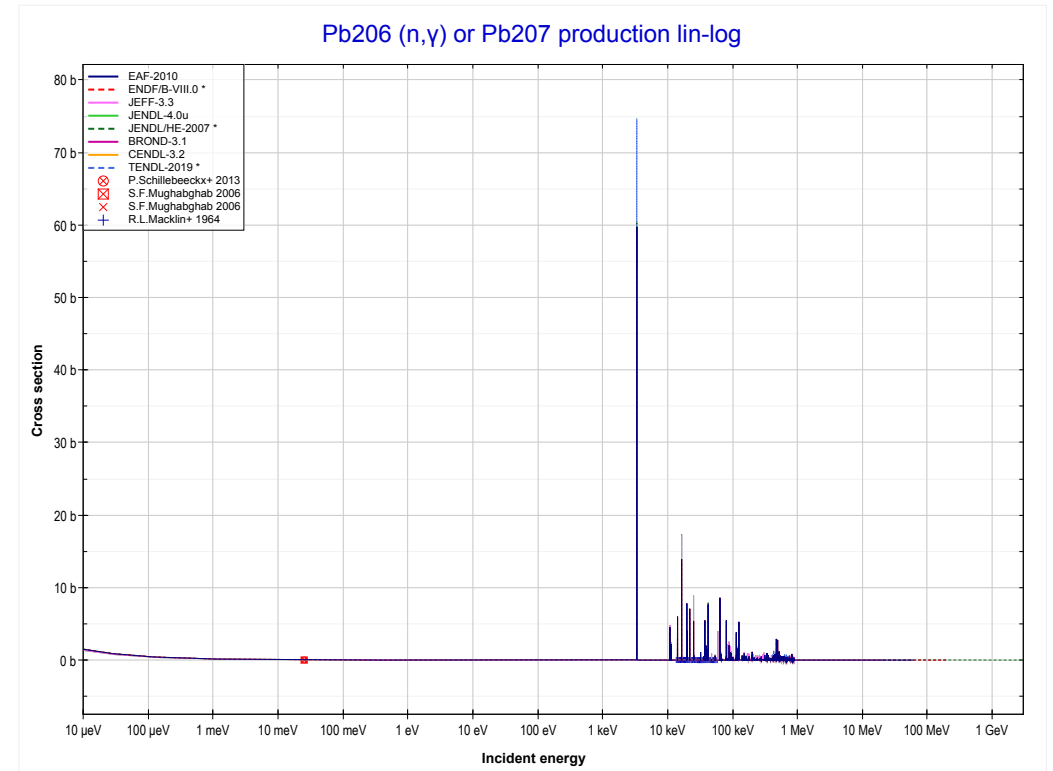
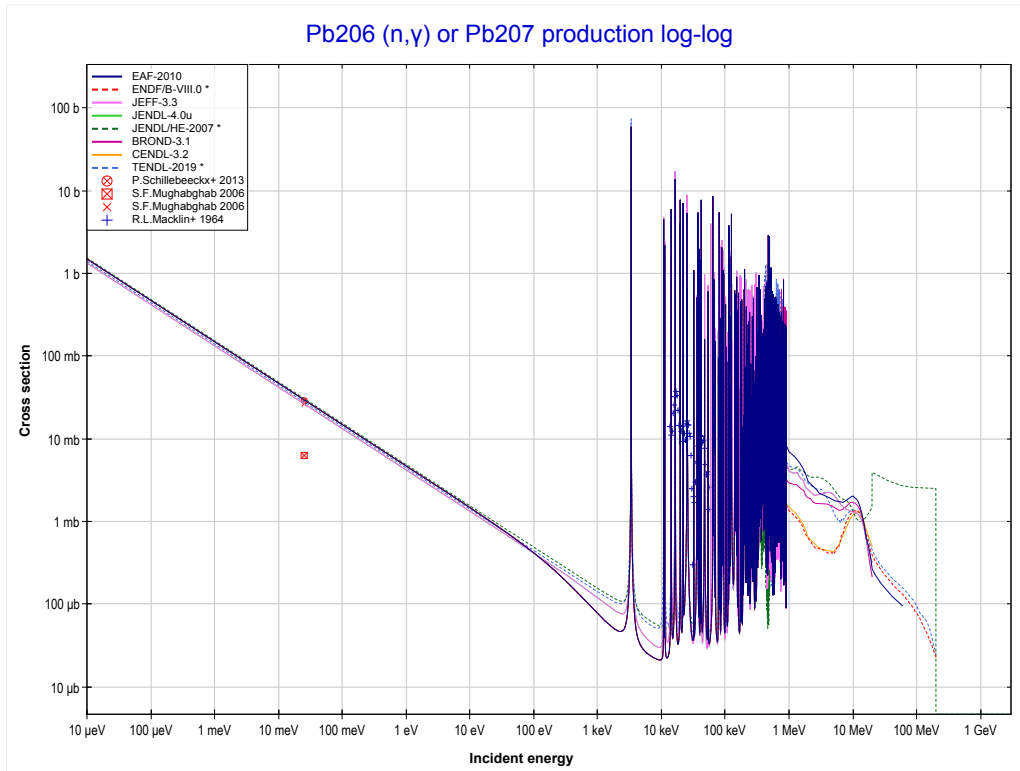
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 4.37031E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.96514E-6 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.96514E-6 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 3.8815E-6 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 2.63975E-6 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.30238E-6 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 4.4299E-6 b | 0 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 82-Pb-204 | 82-Pb-206 | 82-Pb-207 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT102 (n, γ) >> |



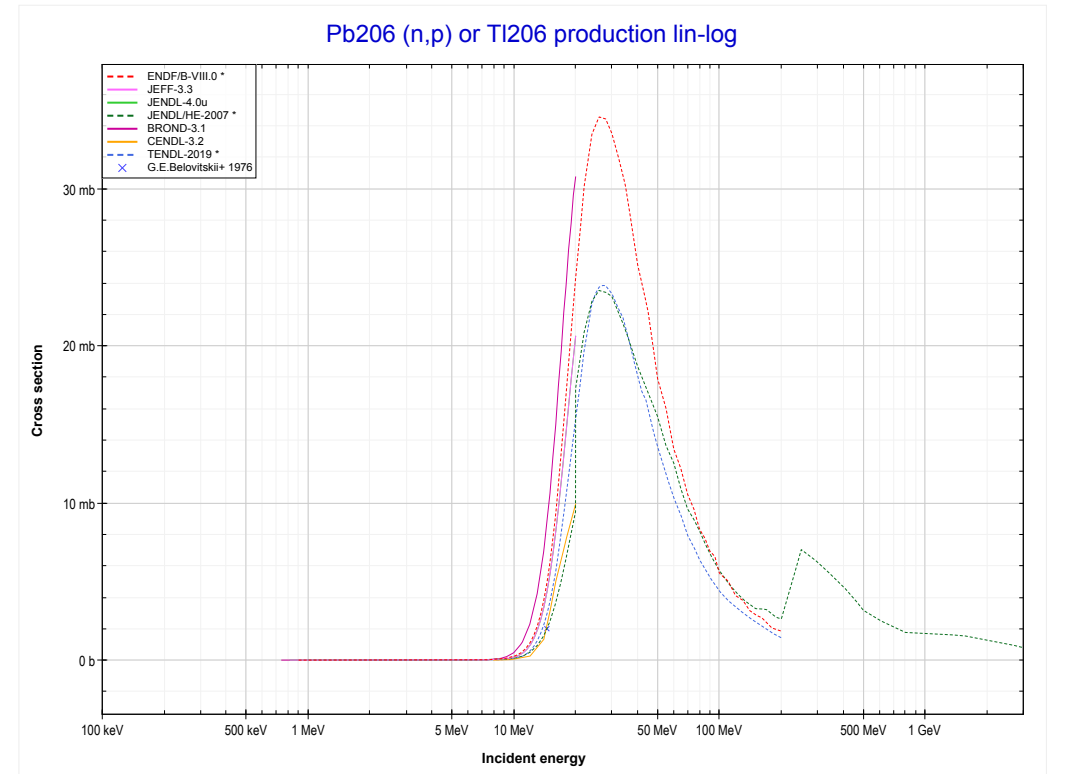
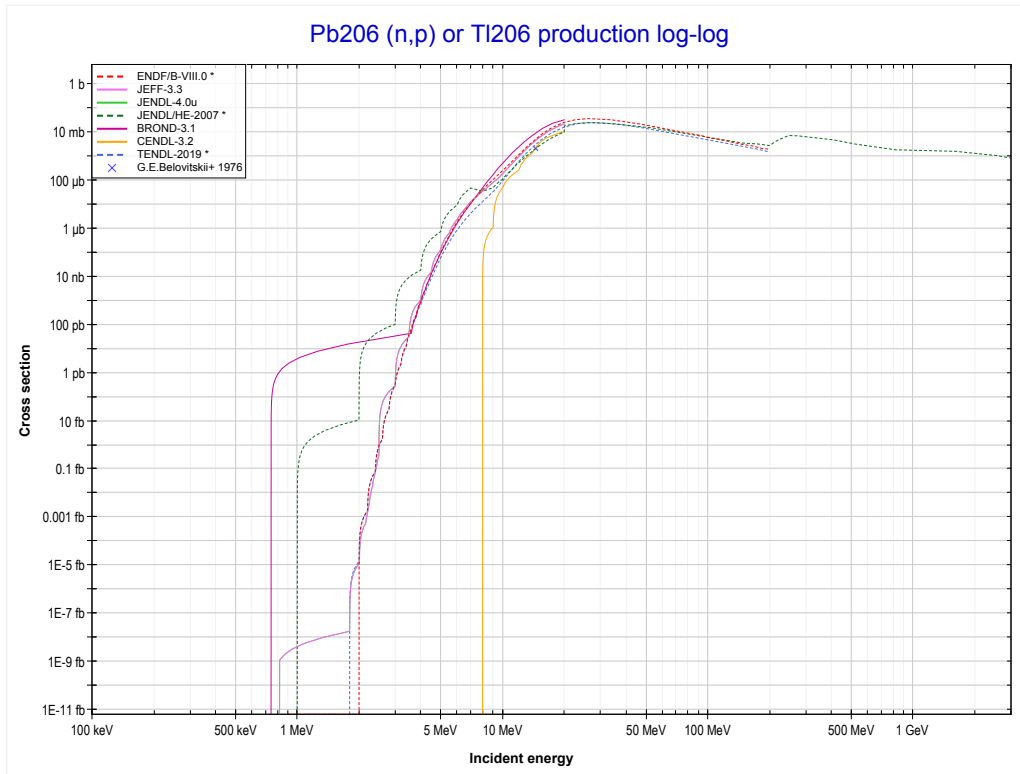
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|--|----------------|
| << 82-Pb-205 | 82-Pb-206 | 82-Pb-207 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pb207 production) | MT103 (n,p) >> |



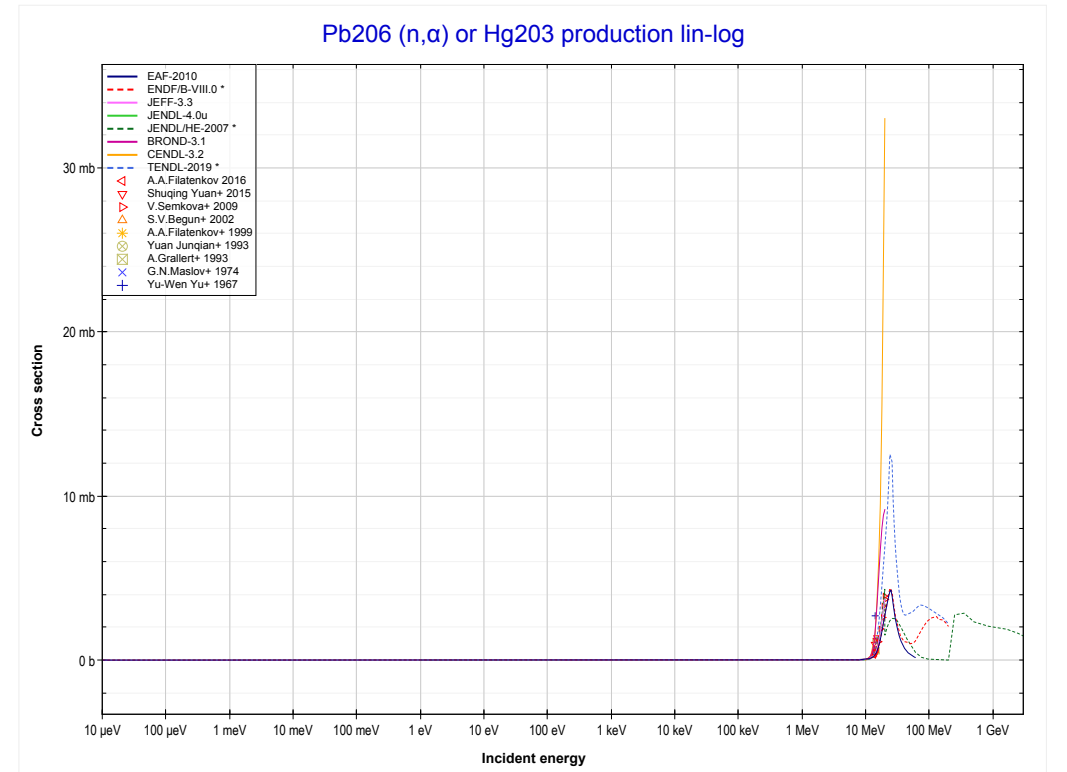
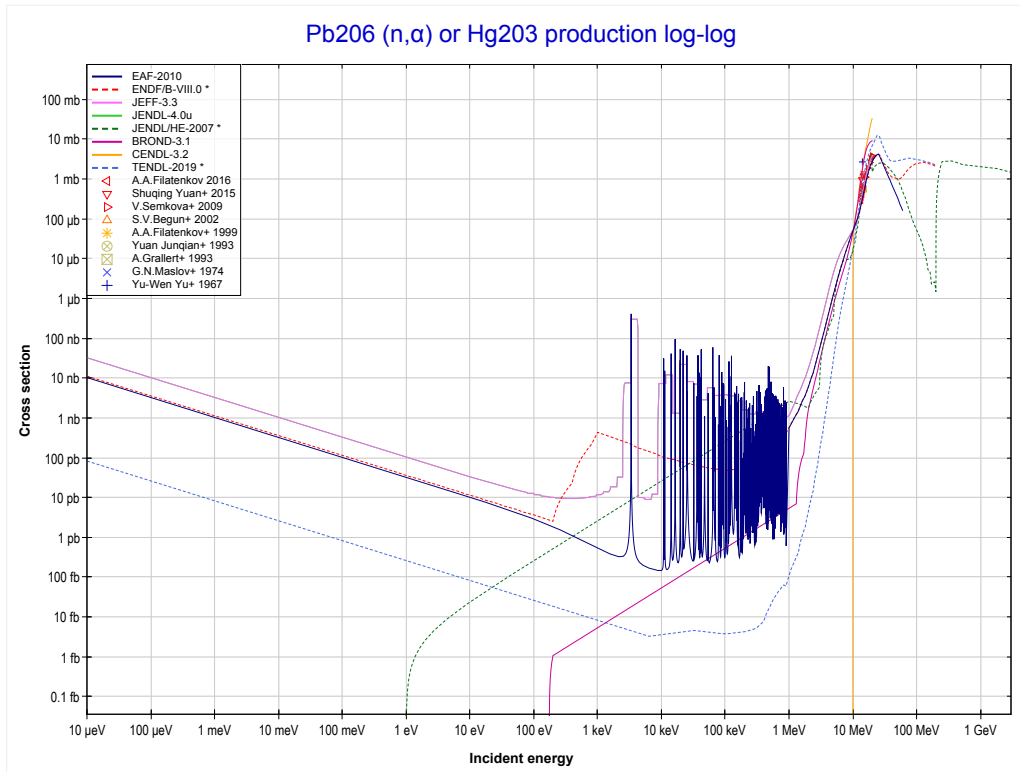
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.029813 b | 0.0297907 b | 0.029785 b | 0.99982 | 0.0912157 b | 0.00511252 b | 0.0012 b |
| ENDF/B-VIII.0 | 0.0297909 b | 0.0297909 b | 0.029803 b | 1.00039 | 0.0912538 b | 0.00300059 b | 0.00110198 b |
| JEFF-3.3 | 0.026562 b | 0.026562 b | 0.026572 b | 1.00037 | 0.0909009 b | 0.00400291 b | 9.97729E-4 b |
| JENDL-4.0u | 0.026562 b | 0.026562 b | 0.026572 b | 1.00037 | 0.0909009 b | 0.00400291 b | 9.97729E-4 b |
| JENDL/HE-2007 | 0.030605 b | 0.030605 b | 0.030607 b | 1.00006 | 0.0888343 b | 0.00417377 b | 0.0010184 b |
| BROND-3.1 | 0.0297912 b | 0.0297912 b | 0.029804 b | 1.00042 | 0.0912691 b | 0.00395805 b | 0.0011557 b |
| CENDL-3.2 | 0.0297846 b | 0.0297846 b | 0.029786 b | 1.00004 | 0.091225 b | 0.00303788 b | 0.00116591 b |
| TENDL-2019 | 0.0279358 b | 0.0279358 b | 0.027937 b | 1.00005 | 0.10603 b | 0.004907 b | 0.00109692 b |

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|-------------------------|--|-------------------------|
| << 81-Tl-205 | 82-Pb-206 | 82-Pb-207 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Tl206 production) | MT107 (n, α) >> |



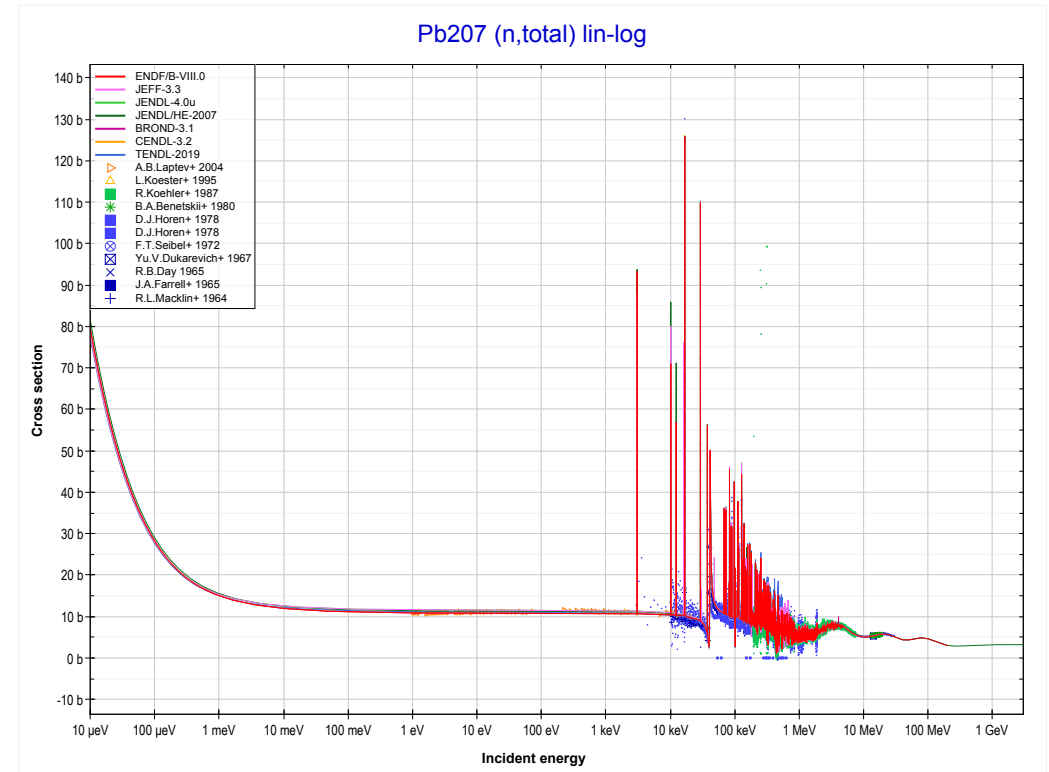
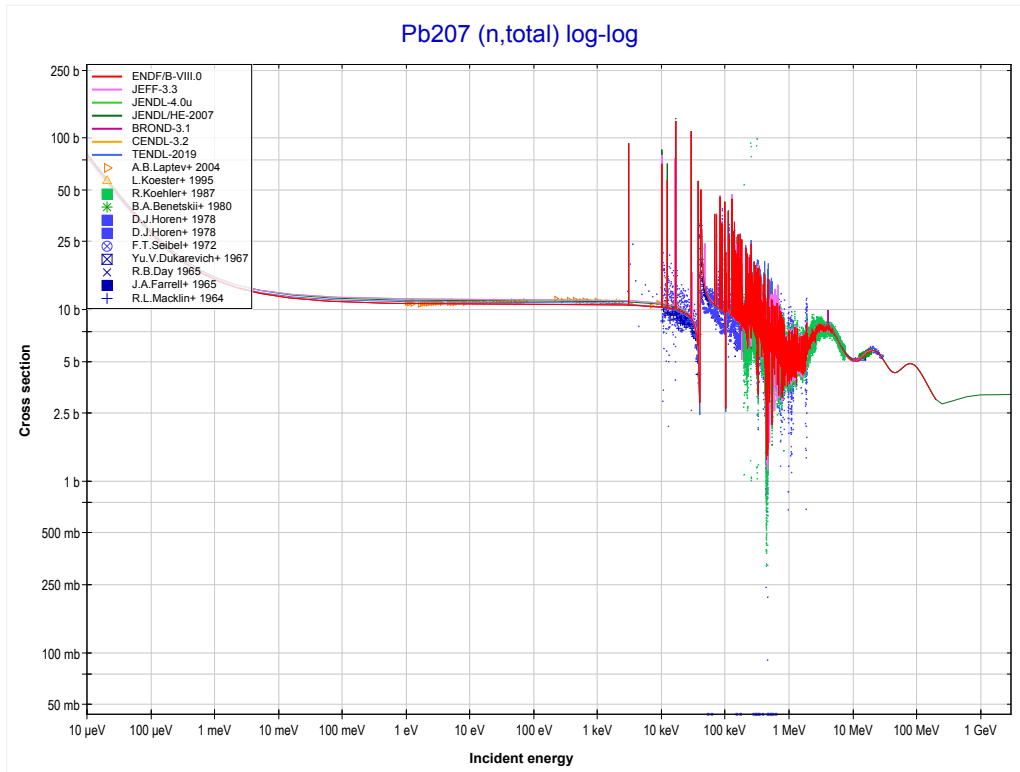
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 3.13186E-6 b | 0.00380191 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.66987E-6 b | 0.00333667 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.66987E-6 b | 0.00333667 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13269E-6 b | 0.00154876 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 5.63185E-6 b | 0.0069276 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92594E-7 b | 0.00130042 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.54738E-6 b | 0.00223959 b |

| | | |
|----------------|--|----------------------------|
| << 81-Tl-205 | 82-Pb-206 | 82-Pb-208 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Hg203 production) | 82-Pb-207 MT1 (n,total) >> |



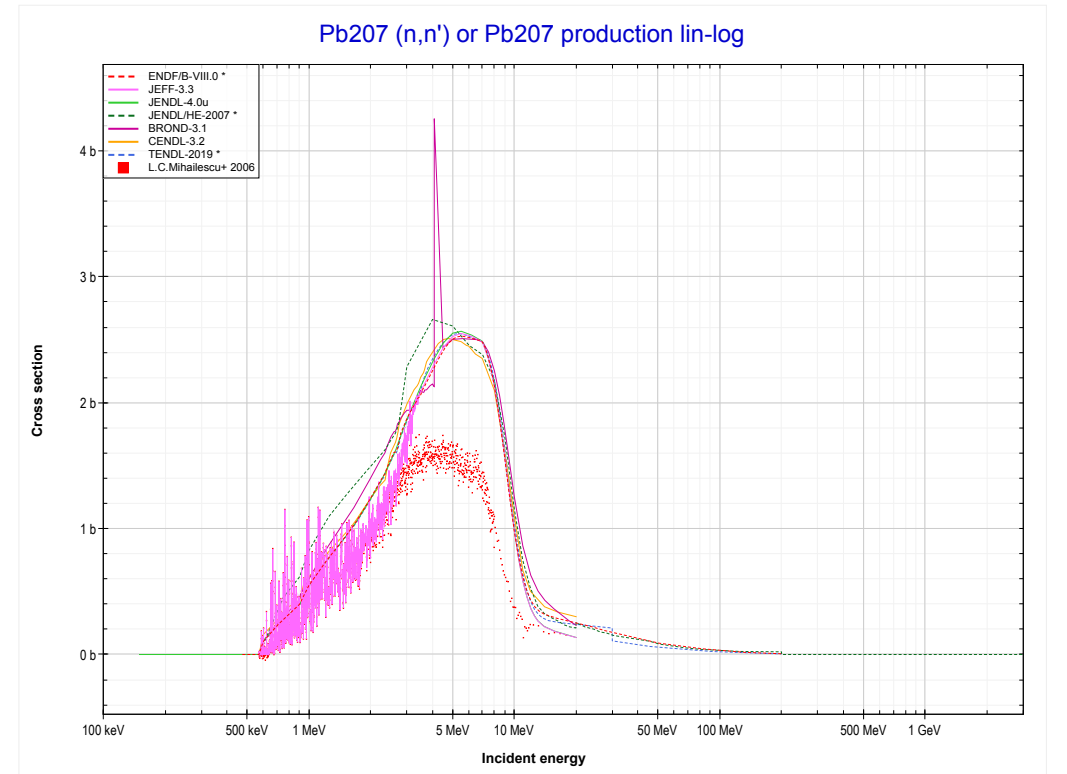
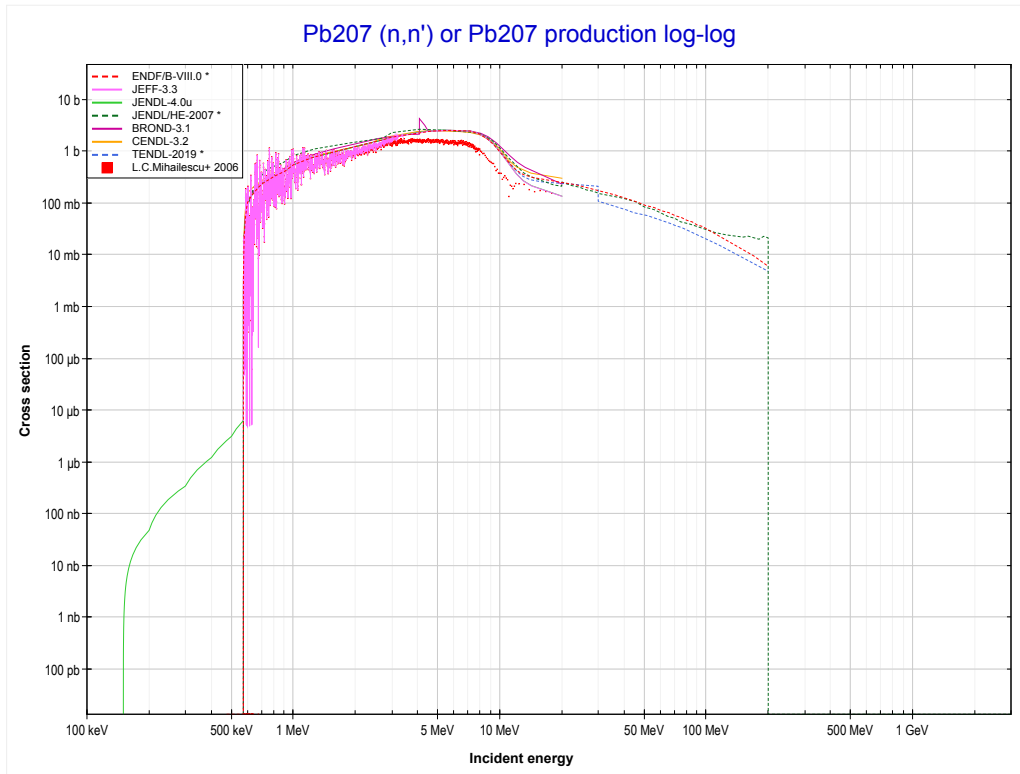
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.0561E-10 b | 2.05461E-10 b | 2.0547E-10 b | 1.00008 | 6.30112E-10 b | 7.29147E-7 b | 3.11072E-4 b |
| ENDF/B-VIII.0 | 2.24954E-10 b | 2.24954E-10 b | 2.2791E-10 b | 1.01315 | 9.64158E-10 b | 7.32483E-7 b | 3.12566E-4 b |
| JEFF-3.3 | 6.4624E-10 b | 6.4624E-10 b | 6.4649E-10 b | 1.00039 | 9.39471E-8 b | 1.31476E-6 b | 3.75762E-4 b |
| JENDL-4.0u | 6.4624E-10 b | 6.4624E-10 b | 6.4649E-10 b | 1.00039 | 9.3947E-8 b | 1.31476E-6 b | 3.75762E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 8.2152E-17 b | 0 | 2.63466E-10 b | 5.30207E-7 b | 3.70497E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.36258E-13 b | 1.11467E-6 b | 0.0016635 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.01378E-6 b | 0.00149912 b |
| TENDL-2019 | 1.6515E-12 b | 1.6515E-12 b | 1.6514E-12 b | 0.99991 | 7.47866E-13 b | 4.38594E-7 b | 7.01052E-4 b |

| | | |
|-----------------------------------|----------------------|---------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << 82-Pb-206 MT107 (n, α) | MT1 (n,total) | MT4 (n,n') >> |



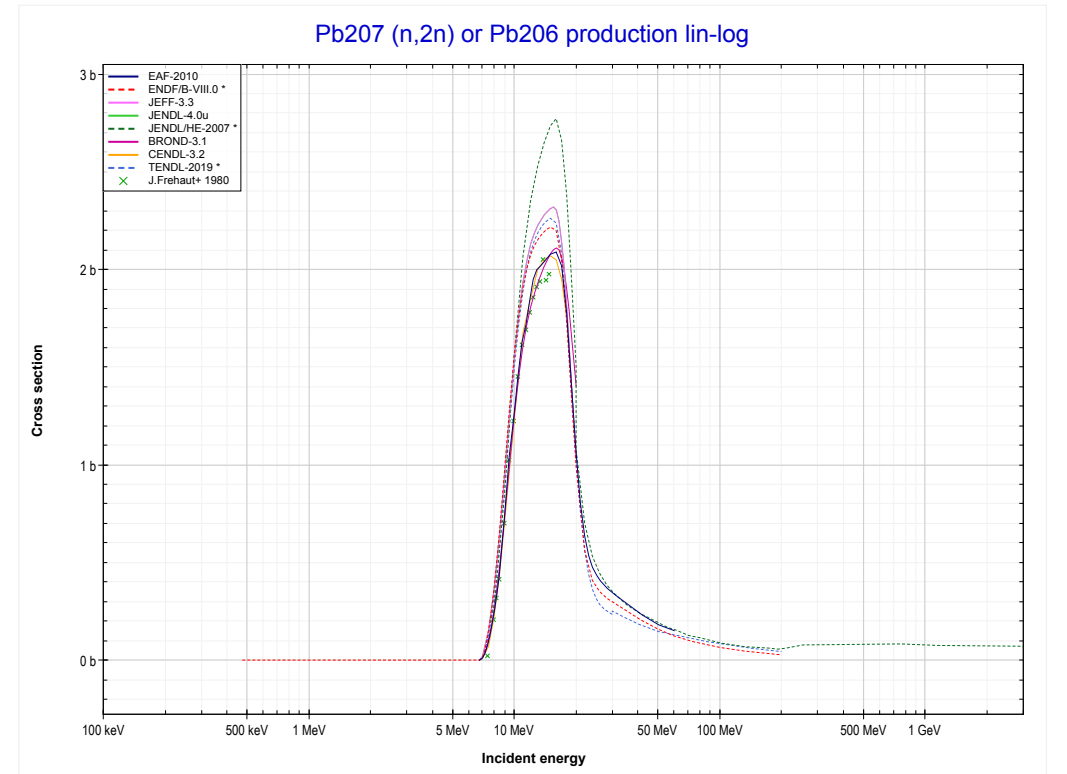
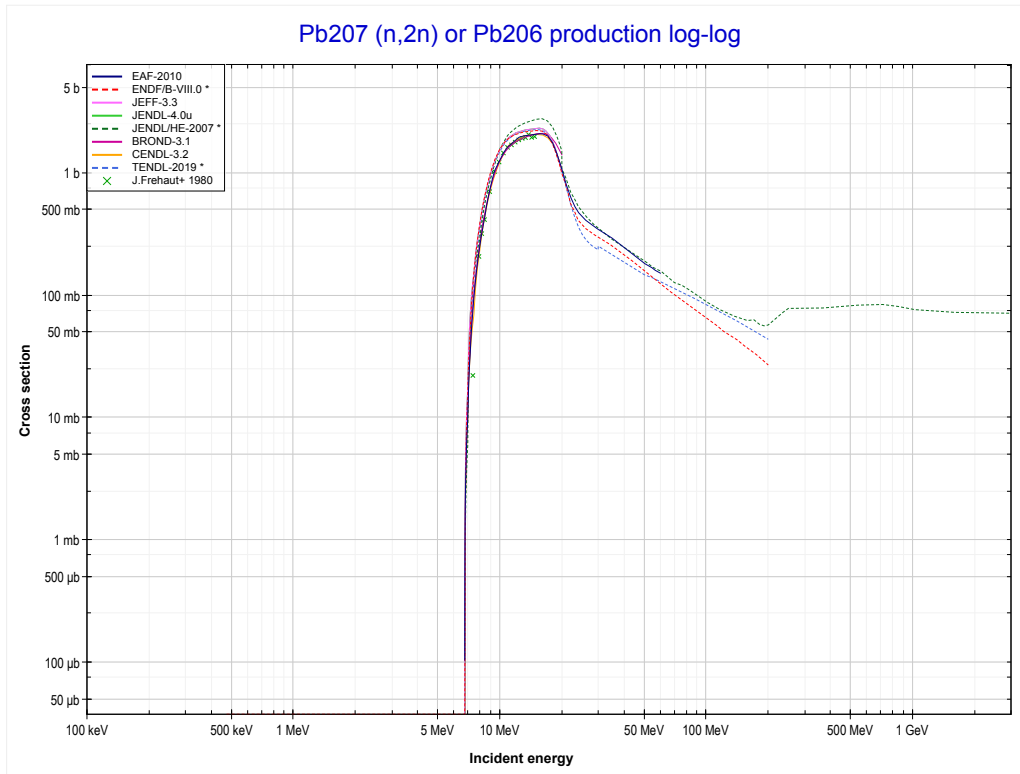
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.4856 b | 11.4856 b | 12.869 b | 1.12045 | 132.03 b | 6.4837 b | 5.2761 b |
| JEFF-3.3 | 12.1282 b | 12.1282 b | 13.606 b | 1.12183 | 139.568 b | 6.47291 b | 5.32177 b |
| JENDL-4.0u | 12.1282 b | 12.1282 b | 13.606 b | 1.12184 | 139.568 b | 6.47291 b | 5.32177 b |
| JENDL/HE-2007 | 11.9935 b | 11.9935 b | 13.443 b | 1.12083 | 137.448 b | 6.40349 b | 5.35402 b |
| BROND-3.1 | 11.4856 b | 11.4856 b | 12.869 b | 1.12045 | 132.03 b | 6.48466 b | 5.40073 b |
| CENDL-3.2 | 11.4855 b | 11.4855 b | 12.869 b | 1.12049 | 132.095 b | 6.48341 b | 5.40052 b |
| TENDL-2019 | 11.7142 b | 11.7142 b | 13.136 b | 1.12136 | 133.859 b | 6.77759 b | 5.27679 b |

| | | |
|------------------|---|----------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Pb207 production) | MT16 (n,2n) >> |



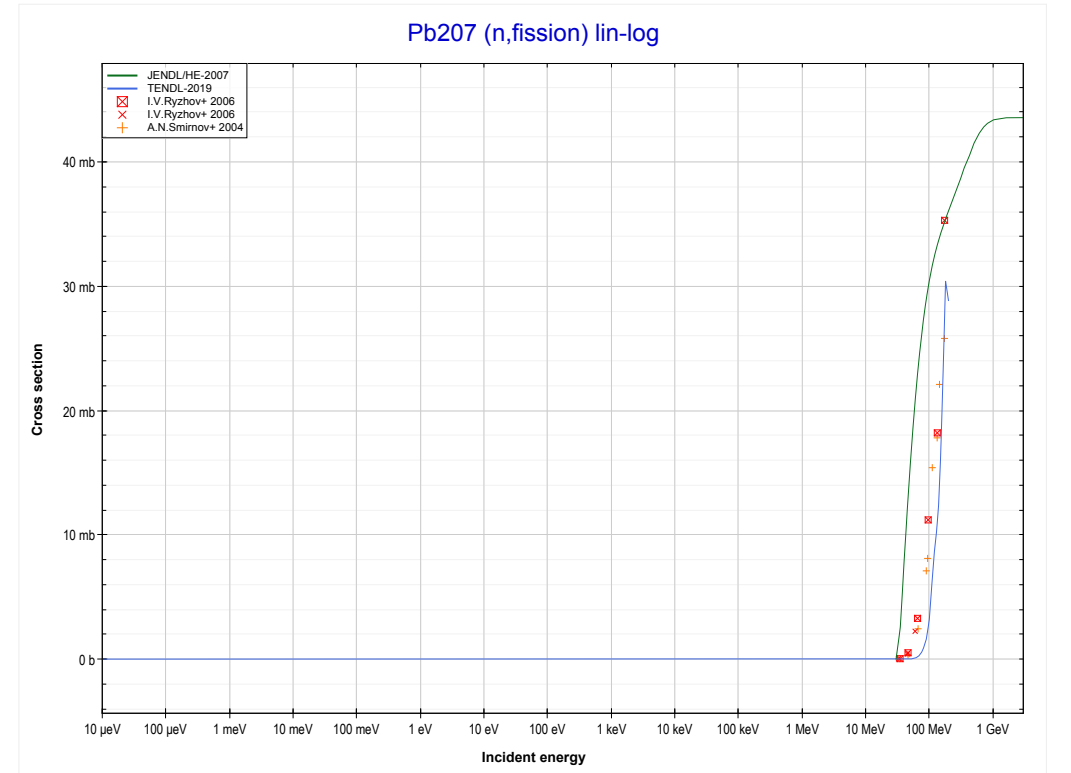
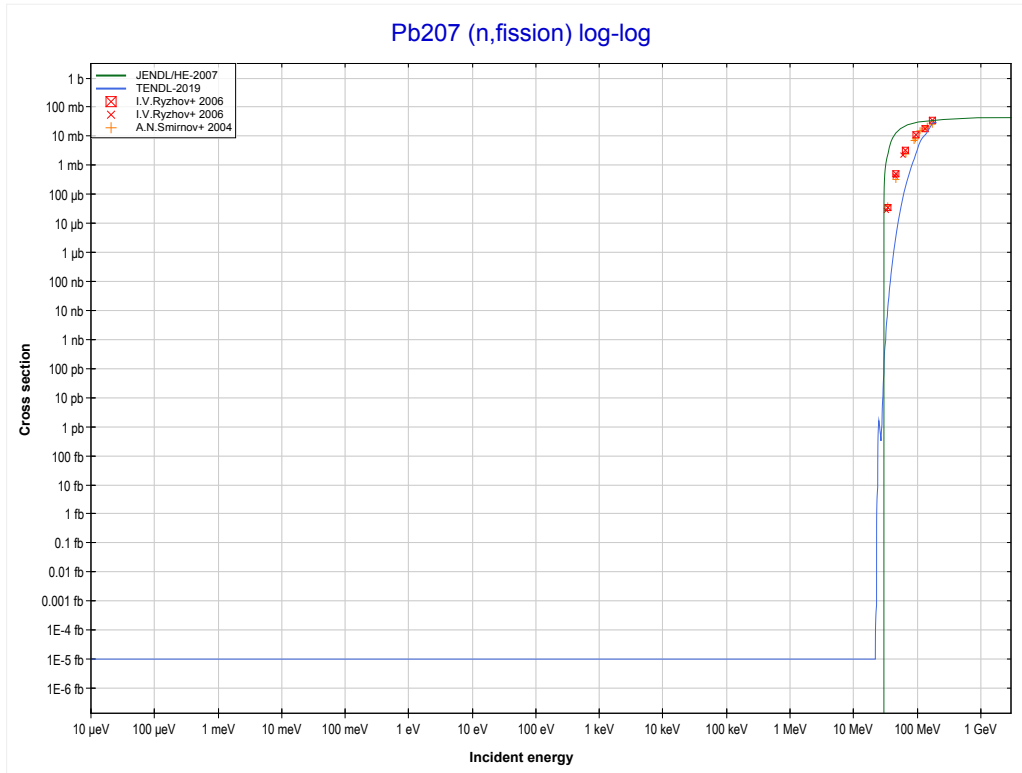
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06062 b | 0.319687 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.94285 b | 0.220504 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.06684 b | 0.222314 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26506 b | 0.325162 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15417 b | 0.434172 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.09861 b | 0.380002 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.06333 b | 0.282271 b |

| | | |
|---------------|--|---------------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pb206 production) | MT18 (n,fission) >> |



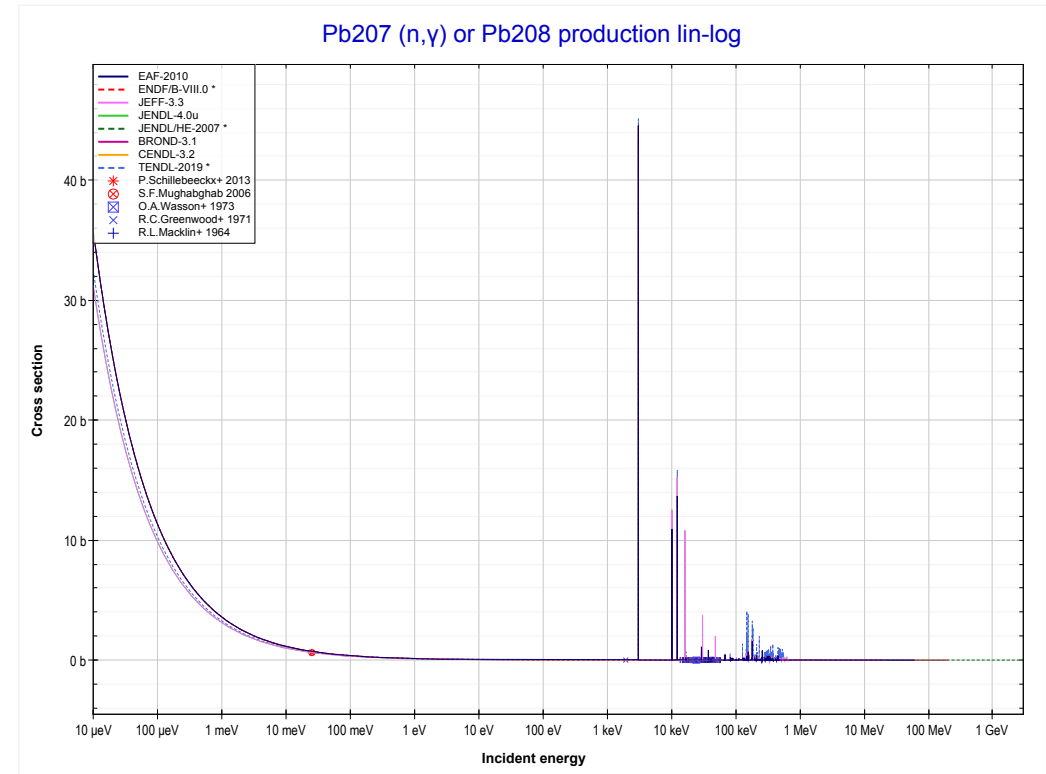
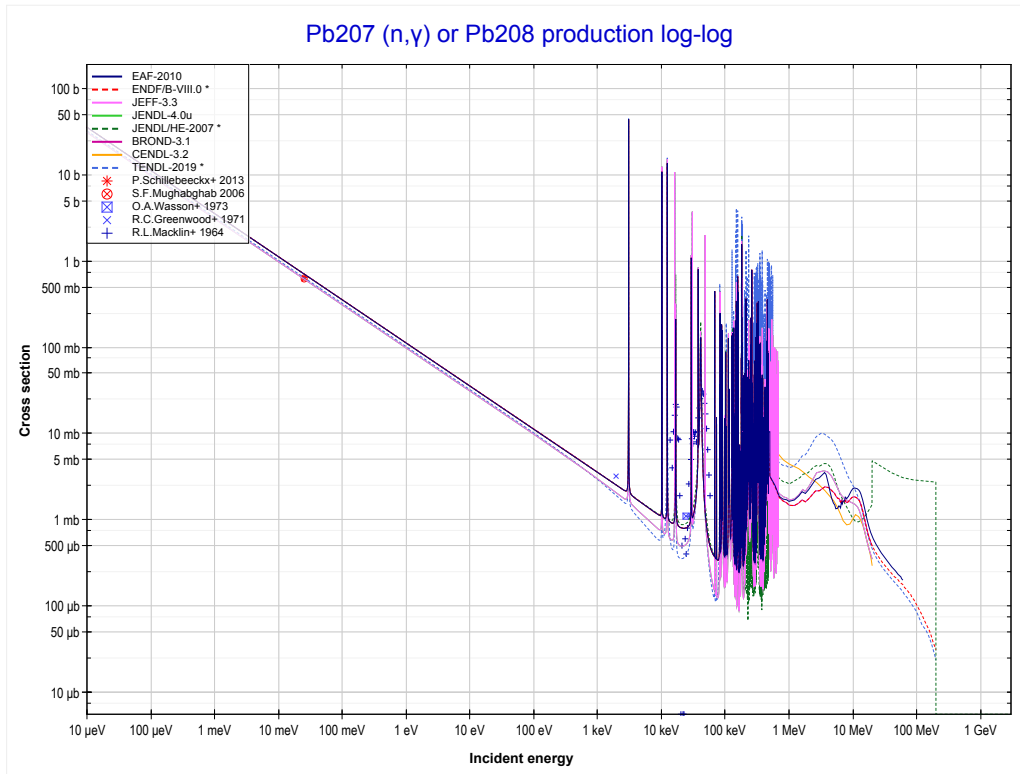
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00779129 b | 2.04133 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00993345 b | 2.19491 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00993609 b | 2.27971 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00993609 b | 2.27971 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00960323 b | 2.65102 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00779519 b | 2.018 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00749934 b | 2.05002 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00936086 b | 2.23757 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT102 (n, γ) >> |



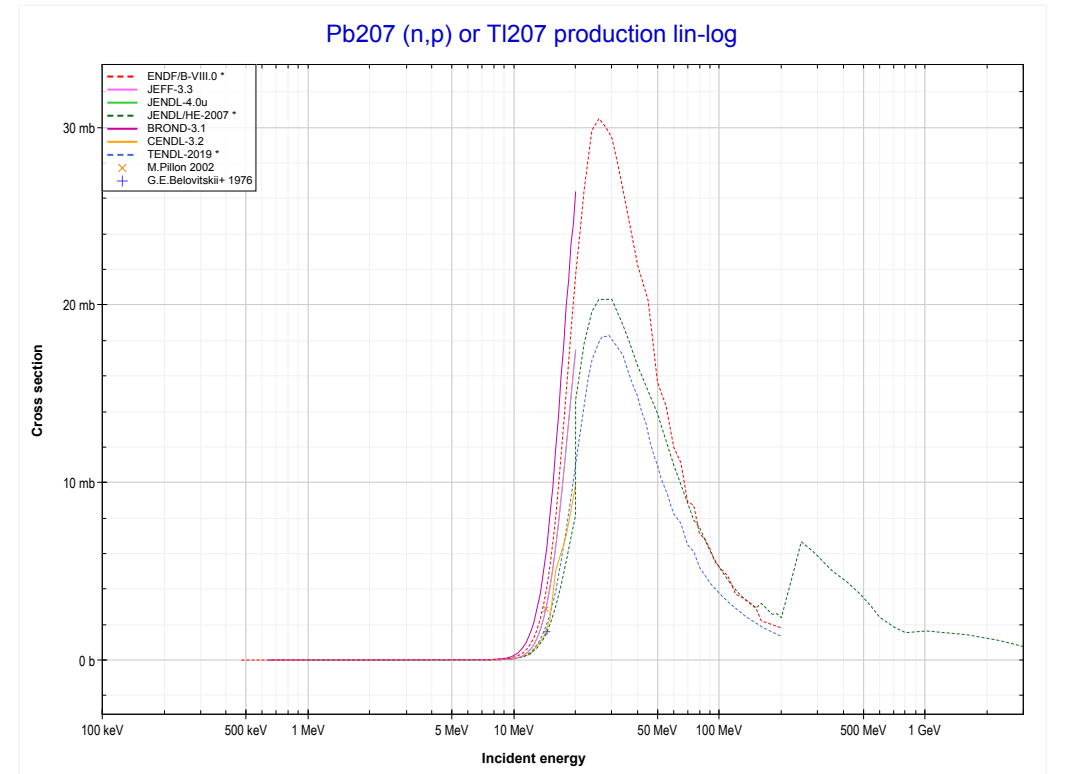
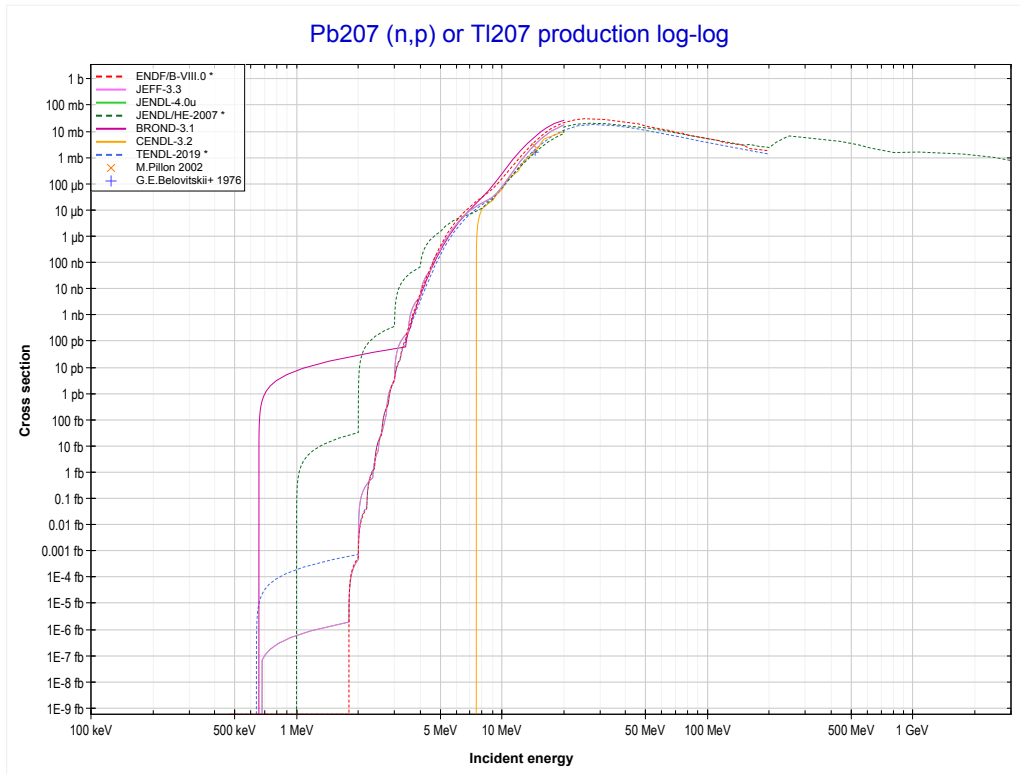
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|--|----------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pb208 production) | MT103 (n,p) >> |



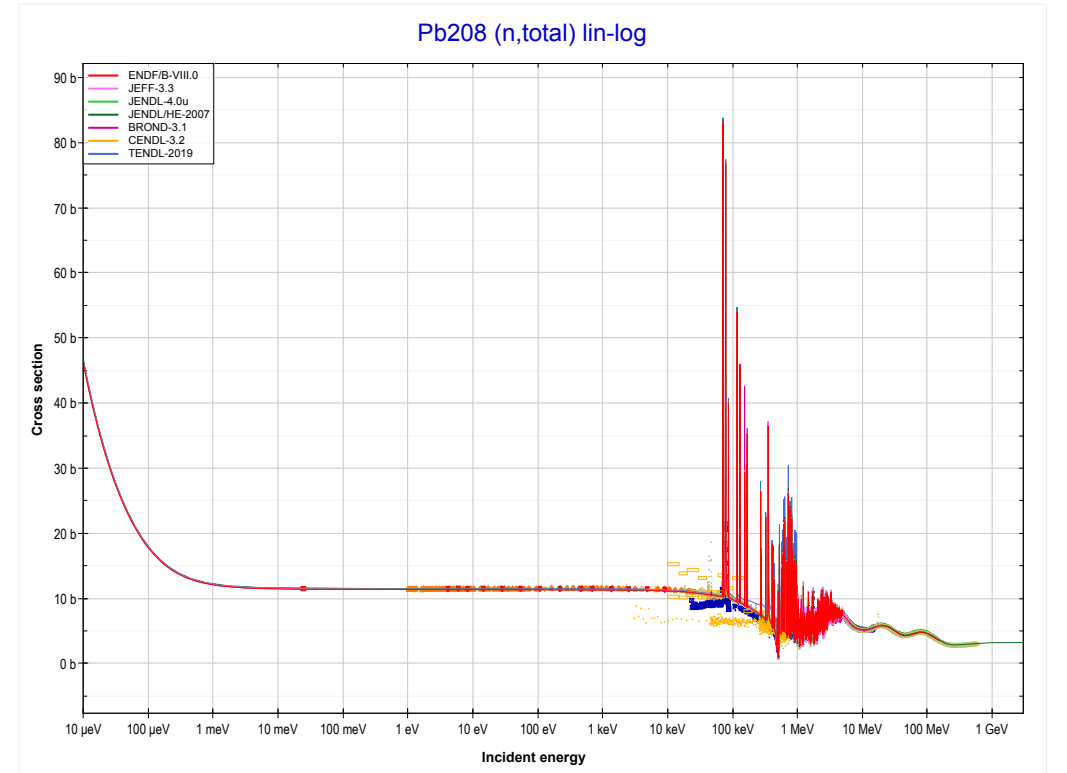
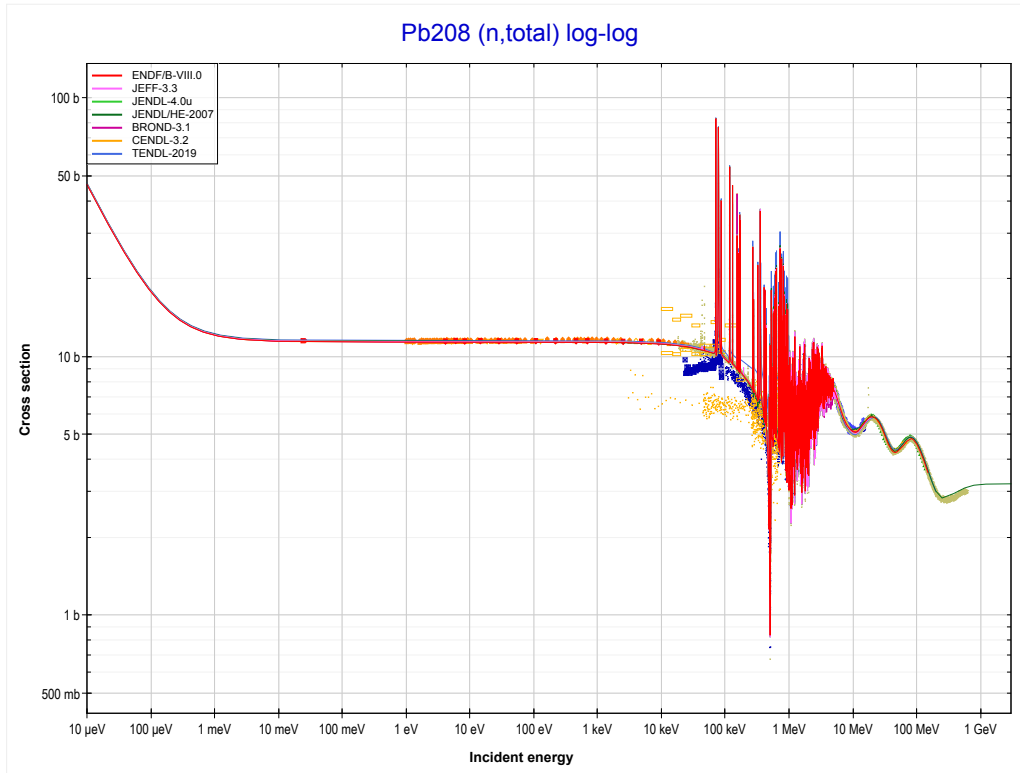
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.712554 b | 0.712021 b | 0.71192 b | 0.99985 | 0.377307 b | 0.00272519 b | 0.0017736 b |
| ENDF/B-VIII.0 | 0.712043 b | 0.712043 b | 0.71235 b | 1.00043 | 0.377802 b | 0.00236489 b | 0.00133876 b |
| JEFF-3.3 | 0.619998 b | 0.619998 b | 0.62023 b | 1.00038 | 0.34343 b | 0.00280964 b | 9.74487E-4 b |
| JENDL-4.0u | 0.619998 b | 0.619998 b | 0.62023 b | 1.00038 | 0.34343 b | 0.00280964 b | 9.74487E-4 b |
| JENDL/HE-2007 | 0.712013 b | 0.712013 b | 0.71205 b | 1.00006 | 0.377584 b | 0.0033248 b | 0.00100373 b |
| BROND-3.1 | 0.712043 b | 0.712043 b | 0.71235 b | 1.00043 | 0.377805 b | 0.00236493 b | 0.00133876 b |
| CENDL-3.2 | 0.711883 b | 0.711883 b | 0.71192 b | 1.00006 | 0.377234 b | 0.00377254 b | 9.00002E-4 b |
| TENDL-2019 | 0.646668 b | 0.646668 b | 0.6467 b | 1.00005 | 0.366885 b | 0.00828422 b | 0.0012653 b |

| | | |
|-------------------------|--|----------------------------|
| << 82-Pb-206 | 82-Pb-207 | 82-Pb-208 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (TI207 production) | 82-Pb-208 MT1 (n,total) >> |



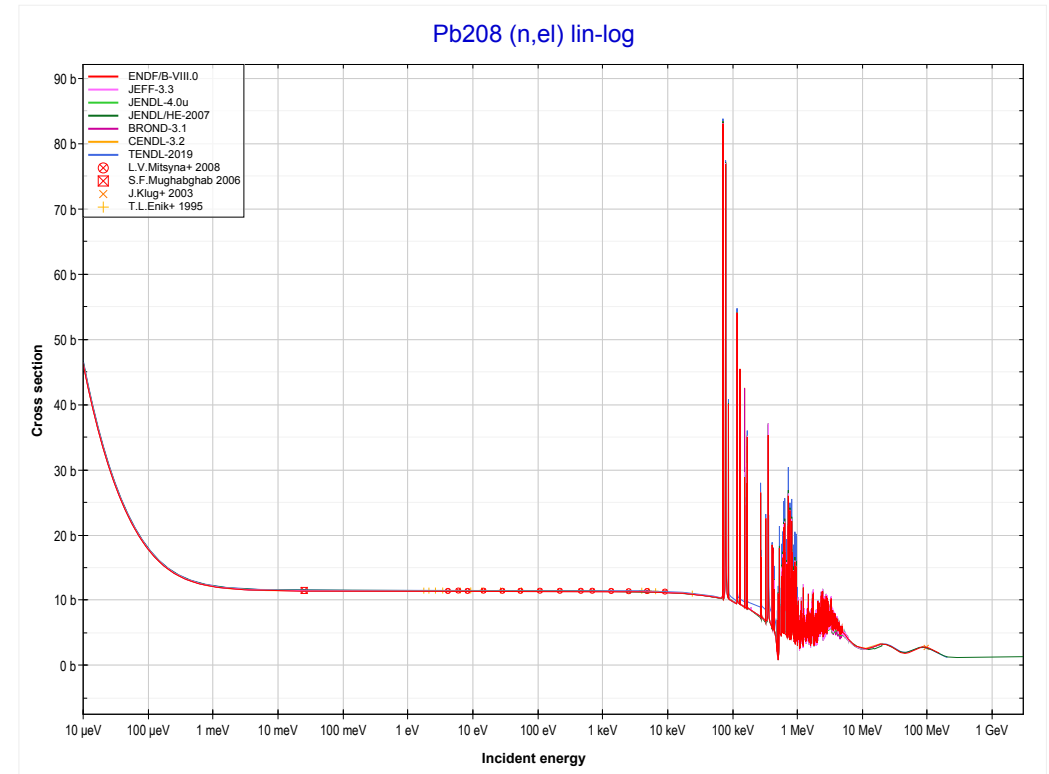
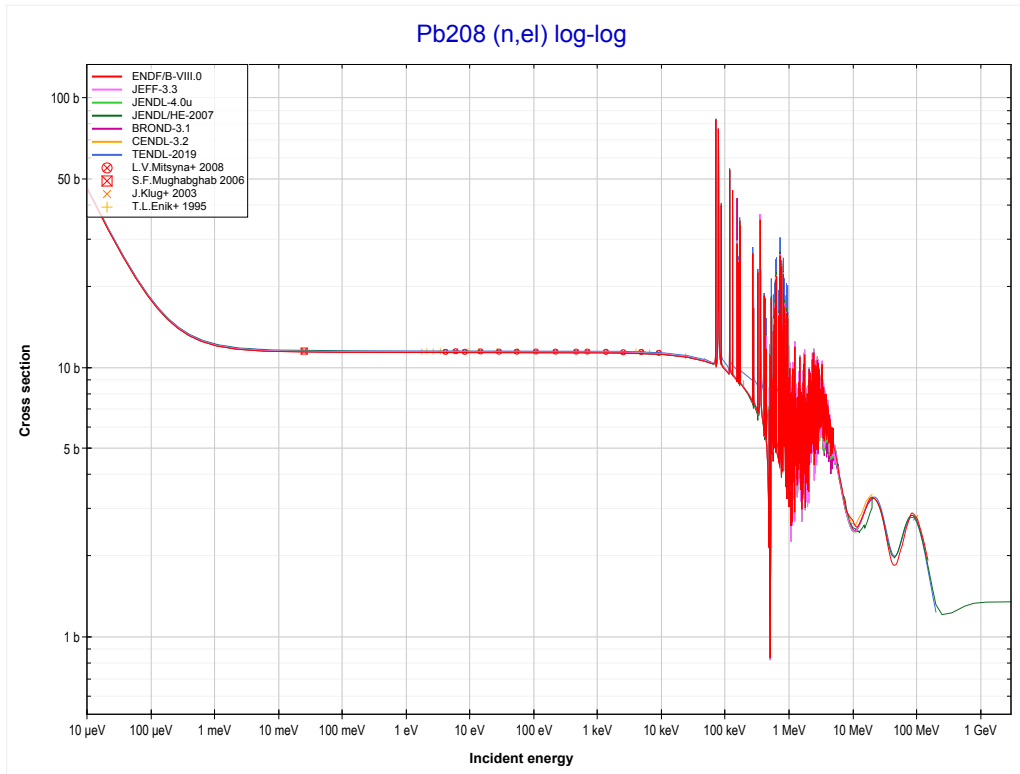
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 2.55939E-6 b | 0.00316983 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.72812E-6 b | 0.00237705 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.72812E-6 b | 0.00237705 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.19316E-6 b | 0.00121031 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 3.70451E-6 b | 0.0051149 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.02173E-6 b | 0.00130091 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.23191E-6 b | 0.00158748 b |

| | | |
|--------------------------|----------------------|--------------------|
| << 82-Pb-207 | 82-Pb-208 | 83-Bi-209 >> |
| << 82-Pb-207 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



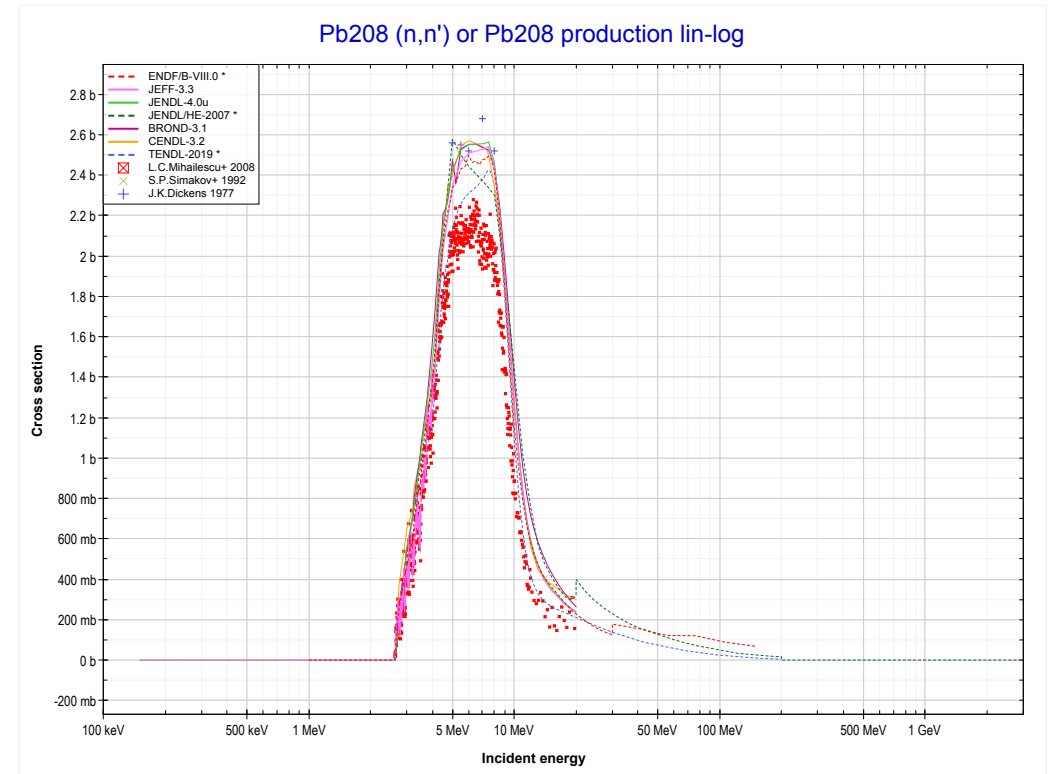
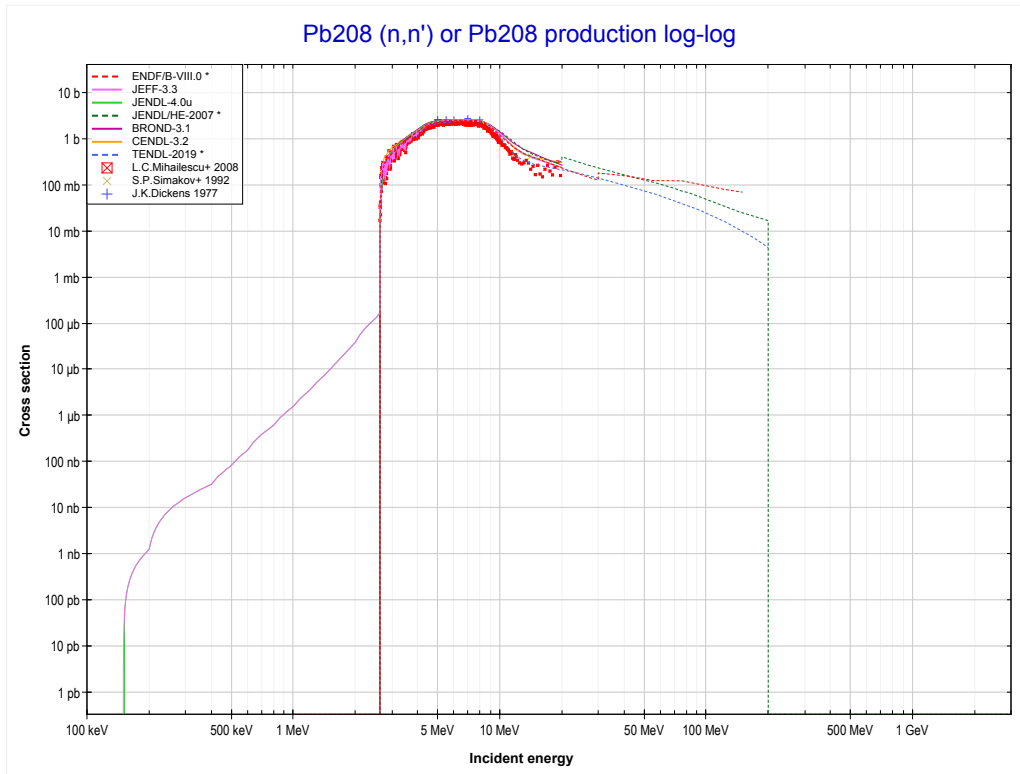
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.3992 b | 11.3992 b | 12.863 b | 1.12838 | 138.521 b | 6.48137 b | 5.385 b |
| JEFF-3.3 | 11.4575 b | 11.4575 b | 12.928 b | 1.12838 | 139.204 b | 6.39283 b | 5.30903 b |
| JENDL-4.0u | 11.4575 b | 11.4575 b | 12.928 b | 1.12838 | 139.204 b | 6.39283 b | 5.30903 b |
| JENDL/HE-2007 | 11.4997 b | 11.4997 b | 12.977 b | 1.12844 | 139.245 b | 6.4694 b | 5.48135 b |
| BROND-3.1 | 11.3995 b | 11.3995 b | 12.863 b | 1.12837 | 138.522 b | 6.39692 b | 5.36837 b |
| CENDL-3.2 | 11.3992 b | 11.3992 b | 12.863 b | 1.12844 | 138.552 b | 6.48451 b | 5.38333 b |
| TENDL-2019 | 11.549 b | 11.549 b | 13.032 b | 1.12844 | 140.457 b | 7.21067 b | 5.30943 b |

| | | |
|------------------|------------------------|---------------|
| << 82-Pb-206 | 82-Pb-208 | 83-Bi-209 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



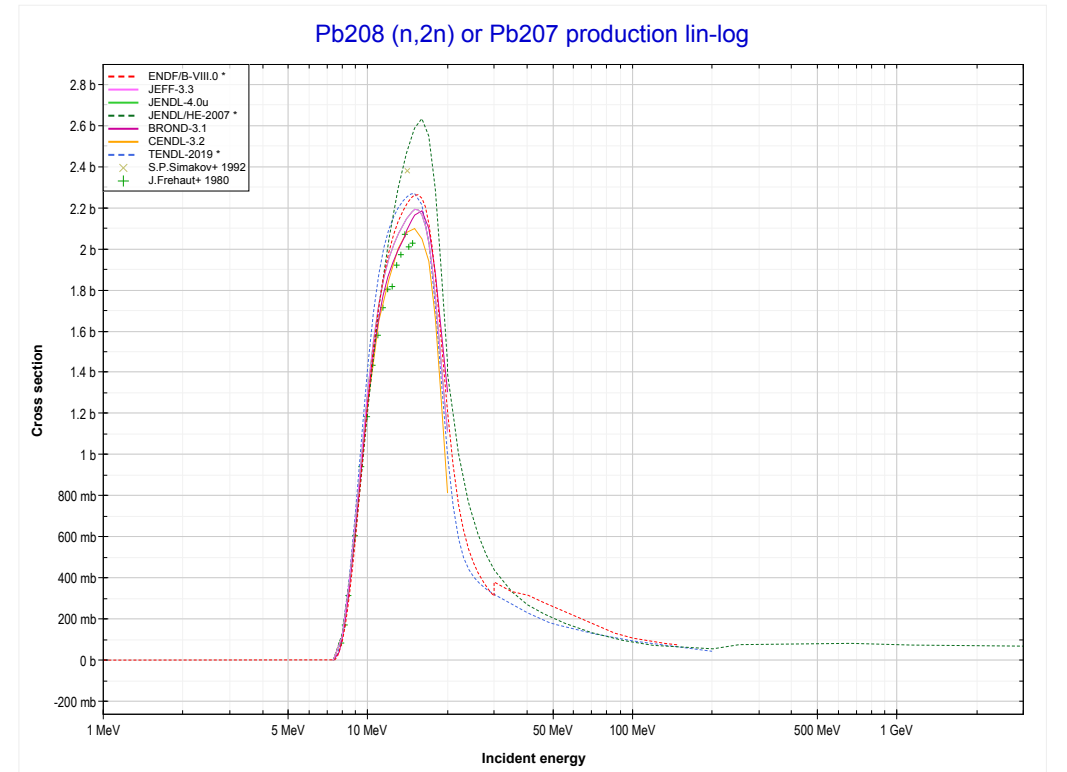
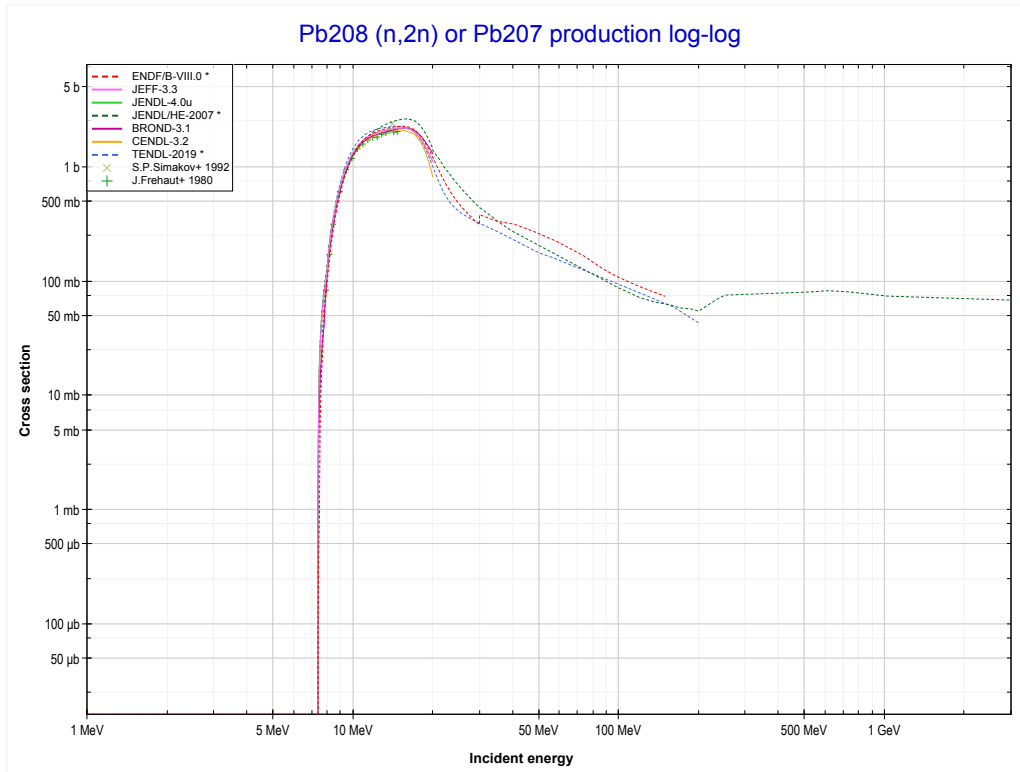
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.399 b | 11.399 b | 12.862 b | 1.12838 | 138.52 b | 6.12444 b | 2.75615 b |
| JEFF-3.3 | 11.4573 b | 11.4573 b | 12.928 b | 1.12838 | 139.204 b | 6.04663 b | 2.76483 b |
| JENDL-4.0u | 11.4573 b | 11.4573 b | 12.928 b | 1.12838 | 139.204 b | 6.01588 b | 2.75553 b |
| JENDL/HE-2007 | 11.4992 b | 11.4992 b | 12.976 b | 1.12845 | 139.243 b | 6.10048 b | 2.53133 b |
| BROND-3.1 | 11.399 b | 11.399 b | 12.862 b | 1.12838 | 138.52 b | 6.01302 b | 2.77389 b |
| CENDL-3.2 | 11.399 b | 11.399 b | 12.863 b | 1.12845 | 138.55 b | 6.10302 b | 2.90019 b |
| TENDL-2019 | 11.5488 b | 11.5488 b | 13.032 b | 1.12845 | 140.455 b | 6.88717 b | 2.76483 b |

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|--------------------|---|----------------|
| << 82-Pb-207 | 82-Pb-208 | 83-Bi-209 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Pb208 production) | MT16 (n,2n) >> |



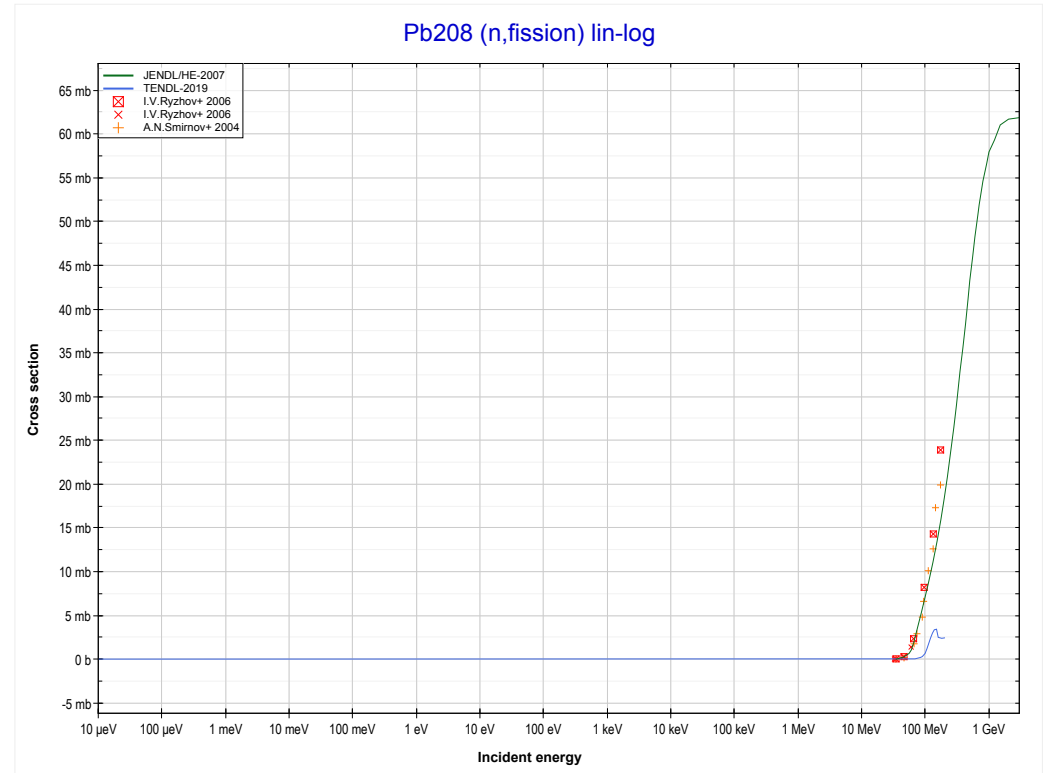
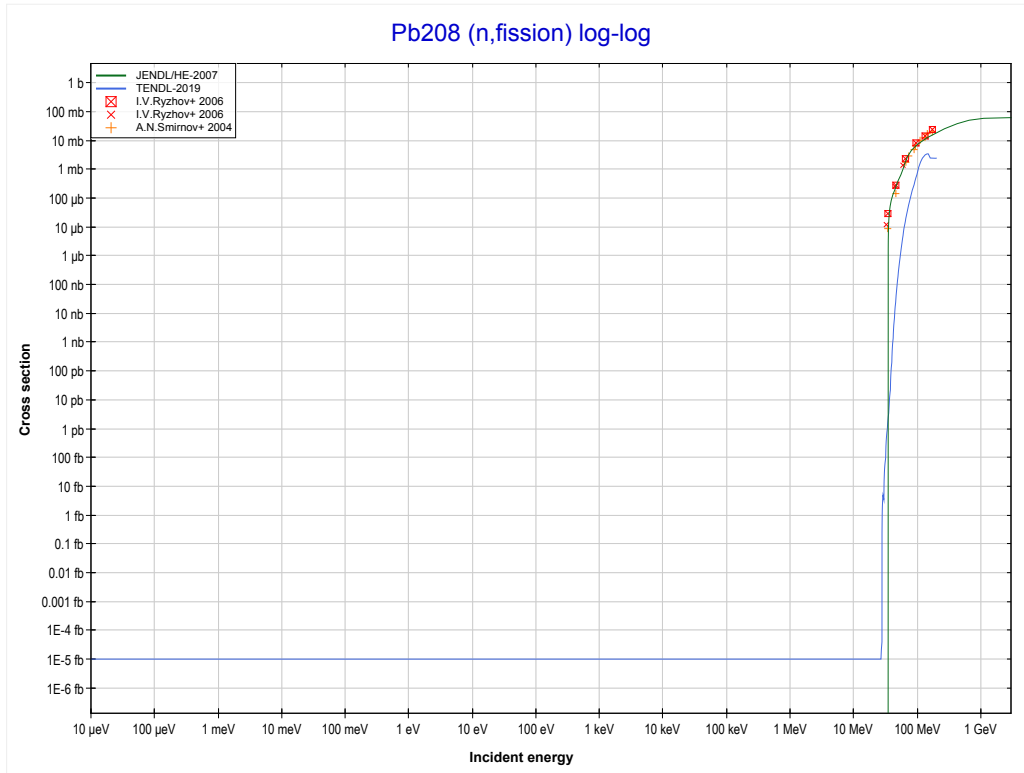
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.349541 b | 0.408961 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.338502 b | 0.395992 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.36925 b | 0.405286 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.360585 b | 0.480285 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.376339 b | 0.504021 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.373827 b | 0.400006 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.315219 b | 0.290663 b |

| | | |
|---------------|--|---------------------|
| << 82-Pb-207 | 82-Pb-208 | 83-Bi-209 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pb207 production) | MT18 (n,fission) >> |



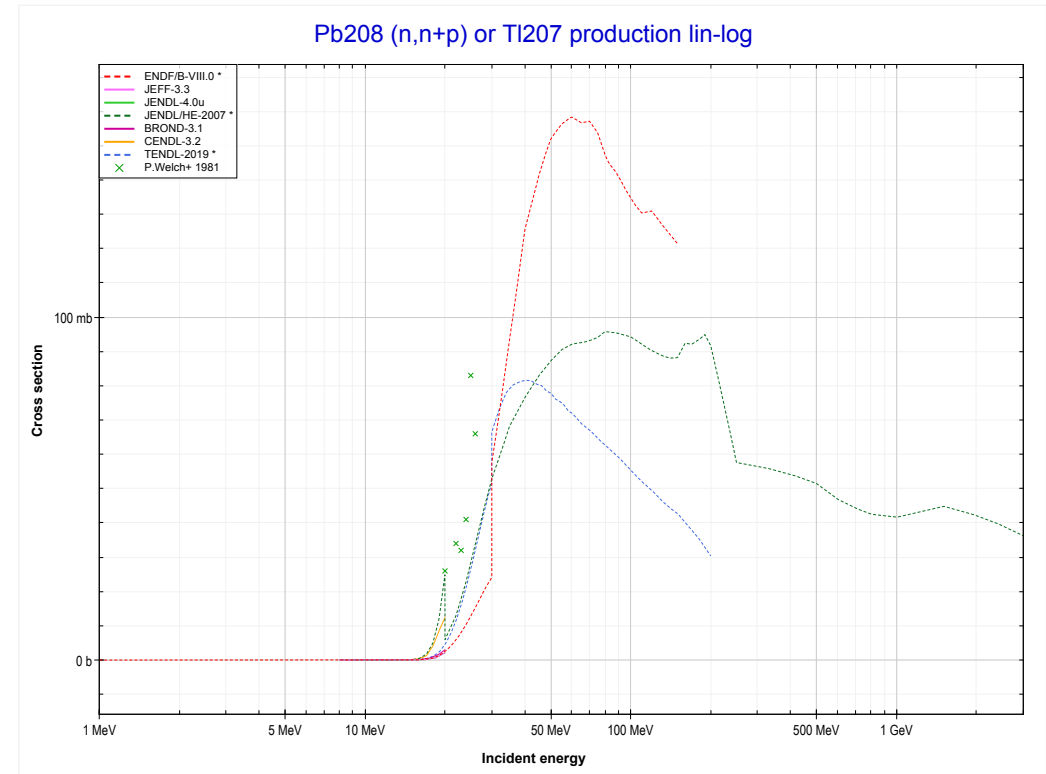
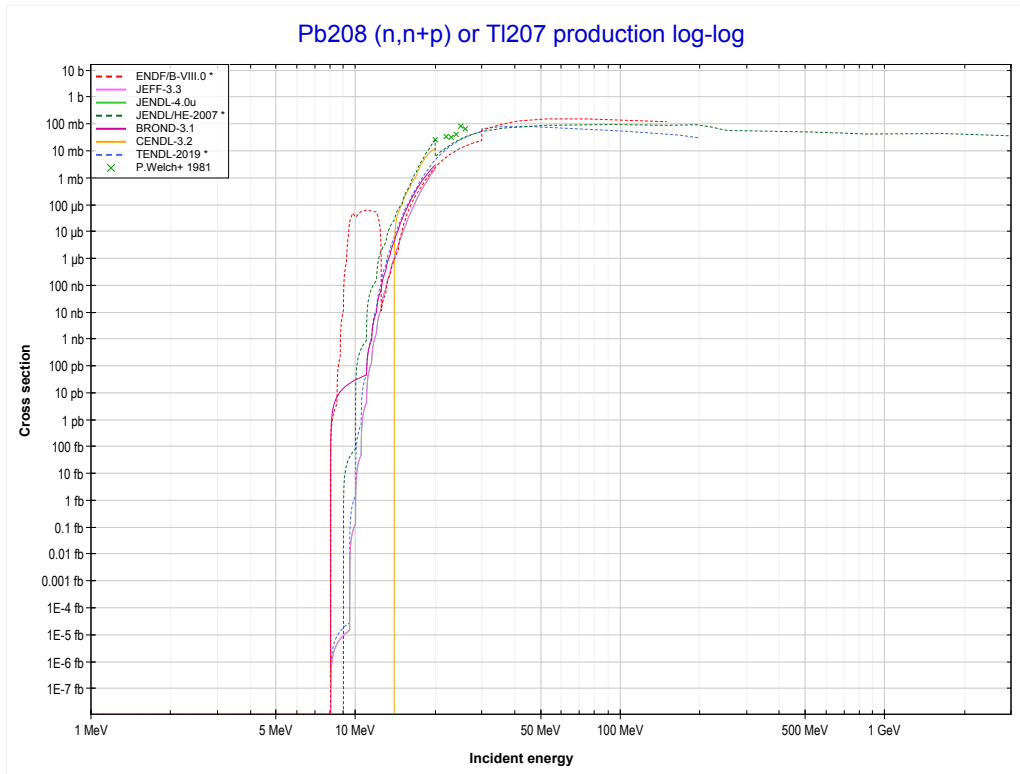
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00647579 b | 2.217 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00699499 b | 2.14655 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00699499 b | 2.14655 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00687414 b | 2.46739 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00655758 b | 2.08852 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00665764 b | 2.08002 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00744376 b | 2.25244 b |

| | | |
|----------------|-------------------------|-----------------|
| << 82-Pb-207 | 82-Pb-208 | 83-Bi-209 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT28 (n,n+p) >> |



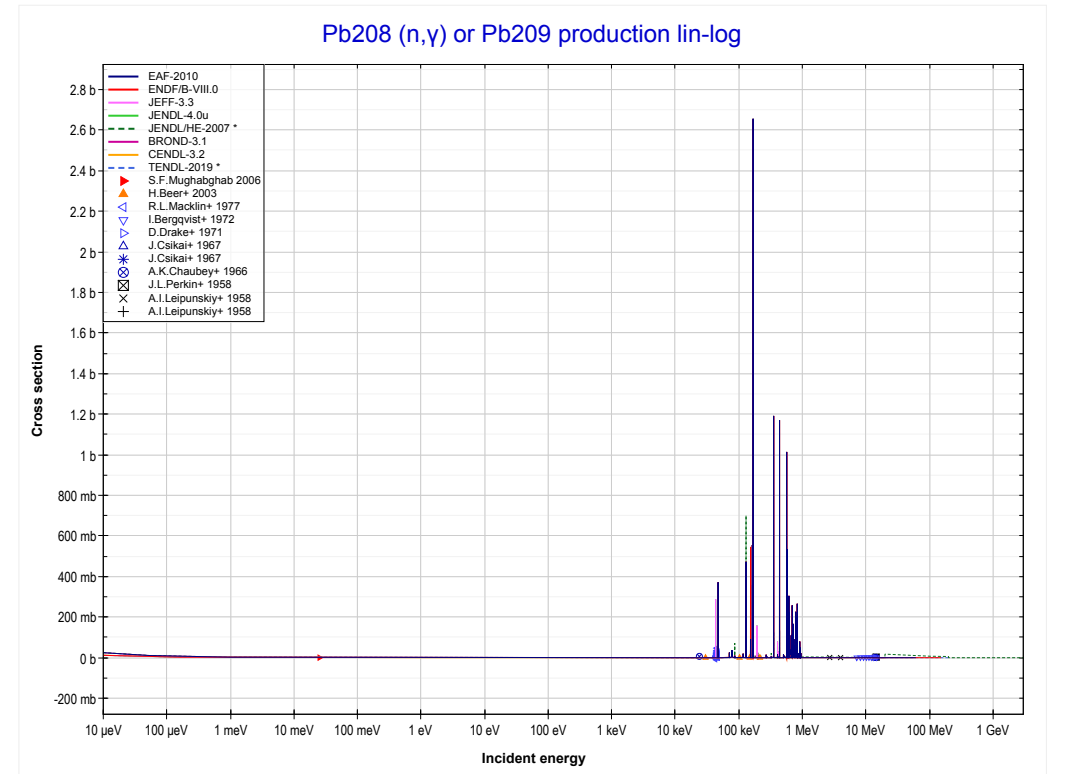
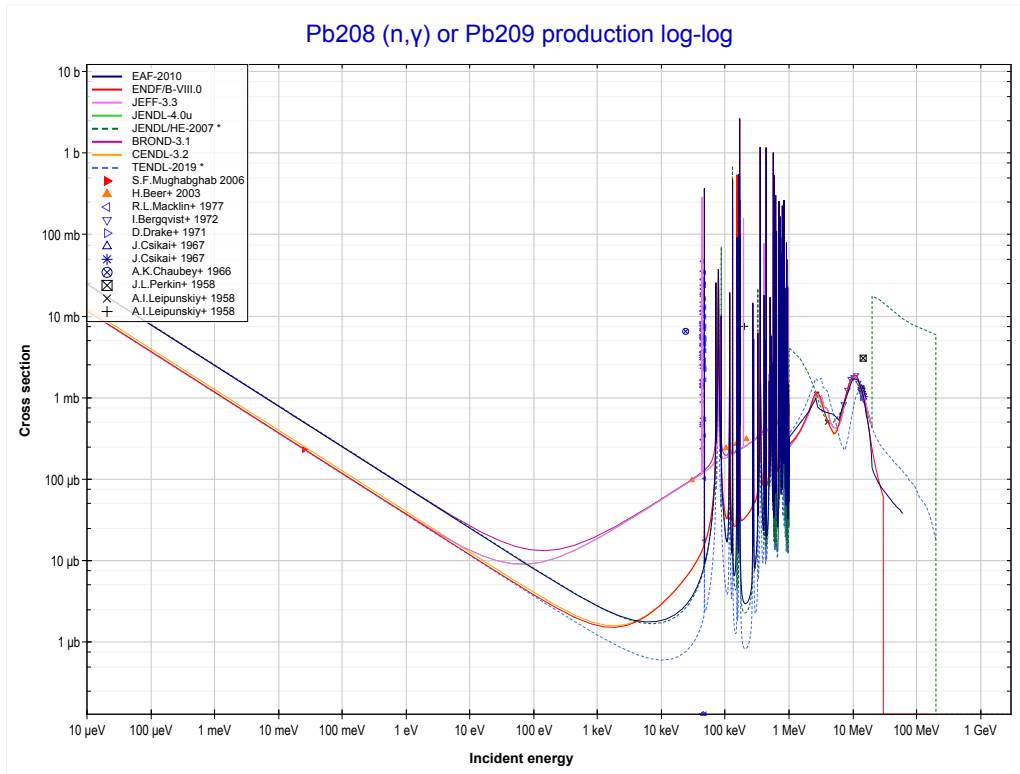
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|---|-------------------------|
| << 80-Hg-196 | 82-Pb-208 | 92-U-238 >> |
| << MT18 (n,fission) | MT28 (n,n+p) or MT5 (Tl207 production) | MT102 (n, γ) >> |



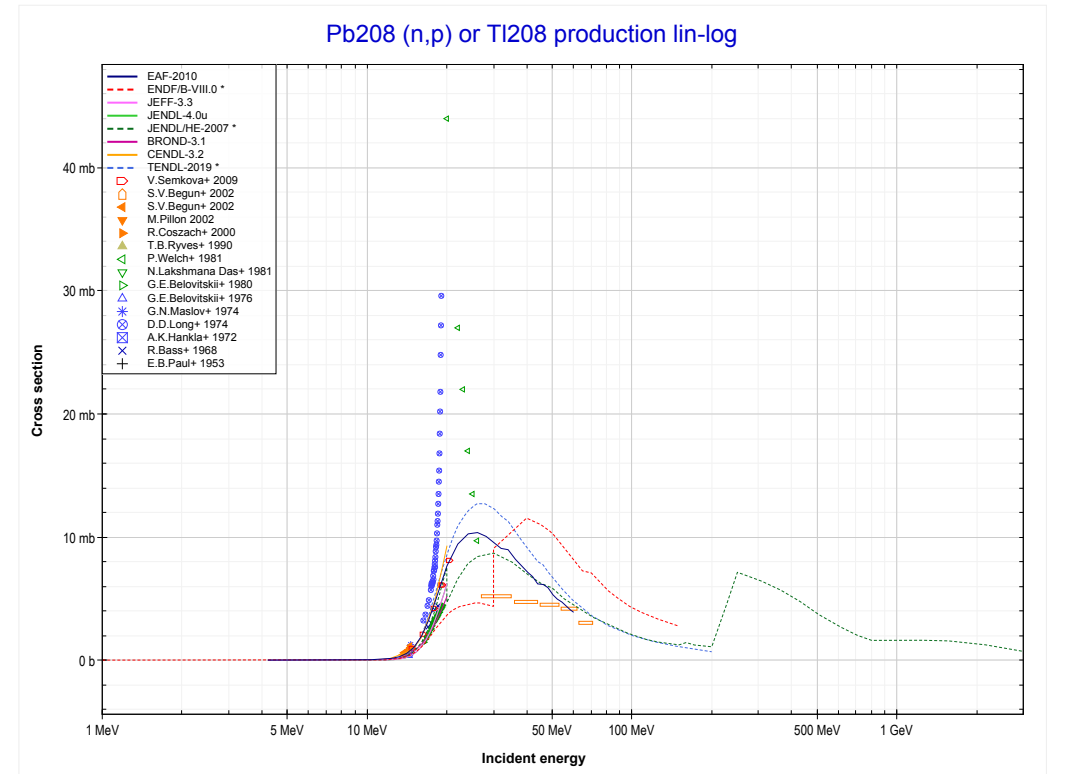
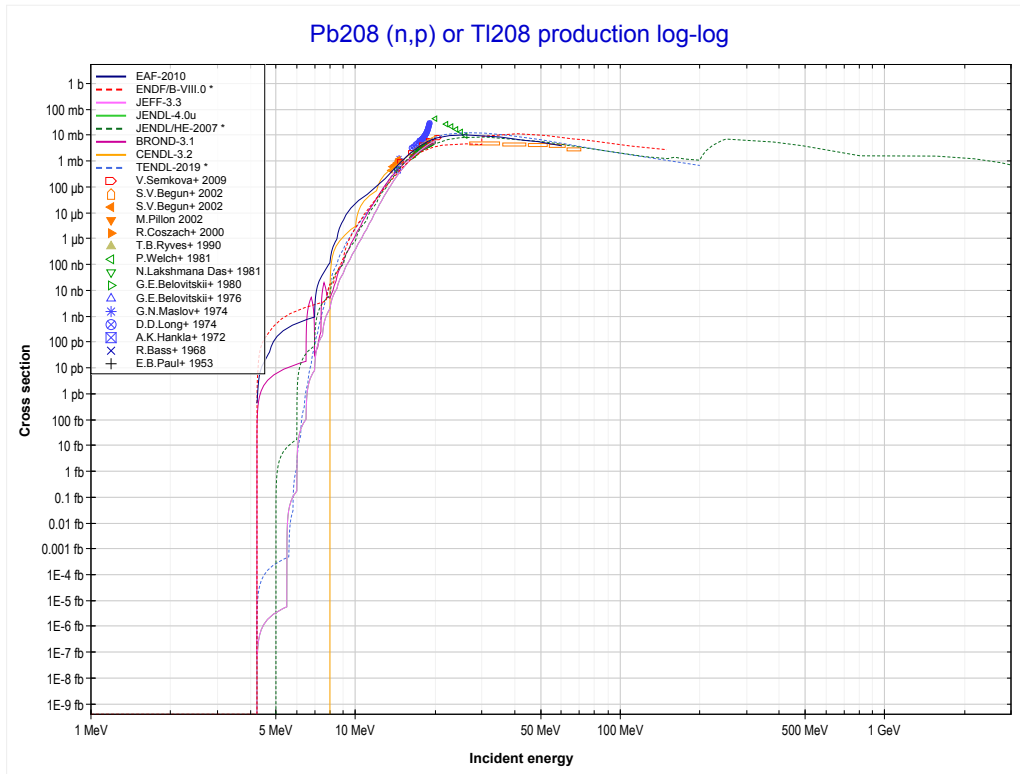
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31491E-7 b | 8.34E-7 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 8.90922E-9 b | 1.01047E-6 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 8.90922E-9 b | 1.01047E-6 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.10294E-7 b | 2.64992E-5 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.8221E-8 b | 4.19337E-6 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.74213E-8 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.35703E-8 b | 6.15298E-6 b |

| | | |
|-----------------|--|----------------|
| << 82-Pb-207 | 82-Pb-208 | 82-Pb-210 >> |
| << MT28 (n,n+p) | MT102 (n,γ) or MT5 (Pb209 production) | MT103 (n,p) >> |



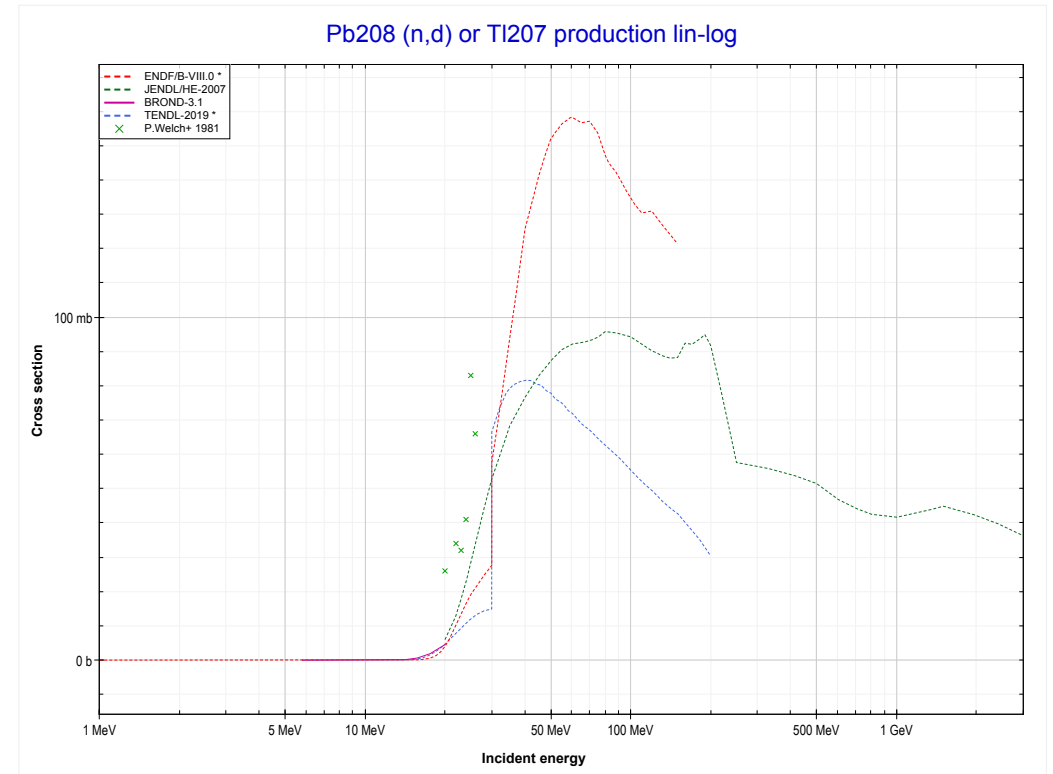
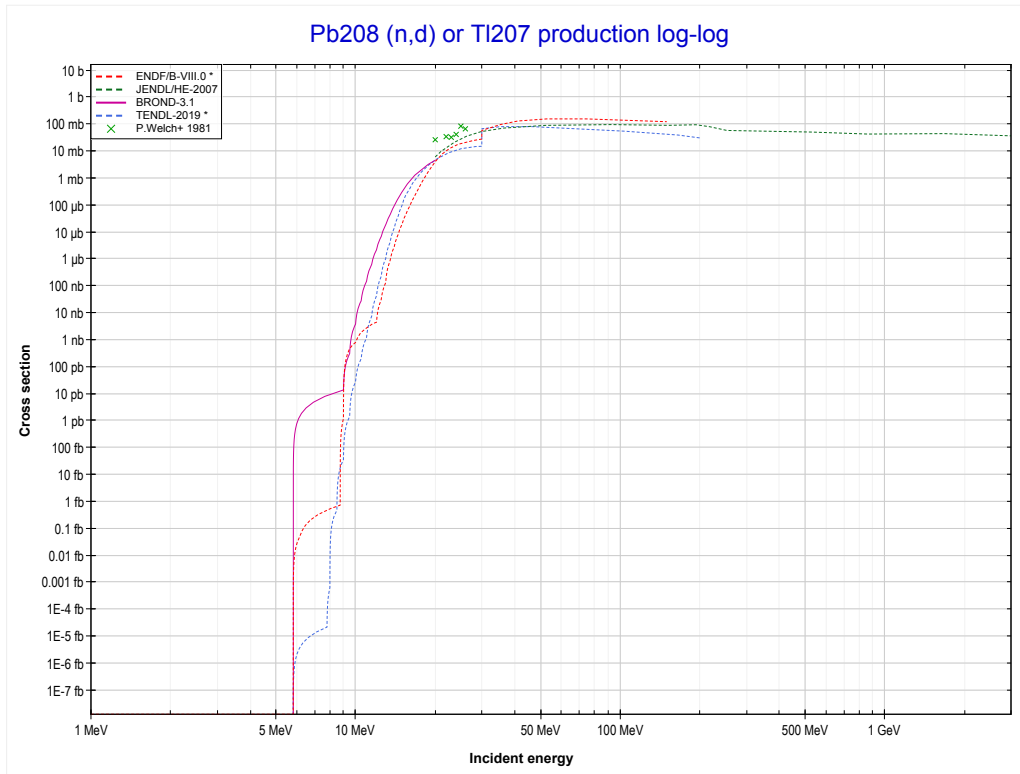
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.92493E-4 b | 4.92127E-4 b | 4.9203E-4 b | 0.99981 | 0.00108671 b | 8.67486E-4 b | 0.0012 b |
| ENDF/B-VIII.0 | 2.32075E-4 b | 2.32075E-4 b | 2.3222E-4 b | 1.00061 | 9.85889E-4 b | 8.94028E-4 b | 0.0011358 b |
| JEFF-3.3 | 2.30326E-4 b | 2.30326E-4 b | 2.305E-4 b | 1.00078 | 7.70617E-4 b | 6.99419E-4 b | 0.00123196 b |
| JENDL-4.0u | 2.30326E-4 b | 2.30326E-4 b | 2.305E-4 b | 1.00078 | 7.70617E-4 b | 6.9942E-4 b | 0.00123196 b |
| JENDL/HE-2007 | 5.00731E-4 b | 5.00731E-4 b | 5.0076E-4 b | 1.00005 | 0.00117113 b | 0.00142588 b | 0.0011 b |
| BROND-3.1 | 4.92211E-4 b | 4.92211E-4 b | 4.9251E-4 b | 1.00061 | 0.00143494 b | 9.94962E-4 b | 0.00123196 b |
| CENDL-3.2 | 2.49861E-4 b | 2.49861E-4 b | 2.4987E-4 b | 1.00005 | 9.92917E-4 b | 8.80289E-4 b | 0.00106267 b |
| TENDL-2019 | 2.2864E-4 b | 2.2864E-4 b | 2.2865E-4 b | 1.00005 | 3.65062E-4 b | 7.83977E-4 b | 0.00105825 b |

| | | |
|-------------------------|--|----------------|
| << 82-Pb-207 | 82-Pb-208 | 83-Bi-209 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (TI208 production) | MT104 (n,d) >> |



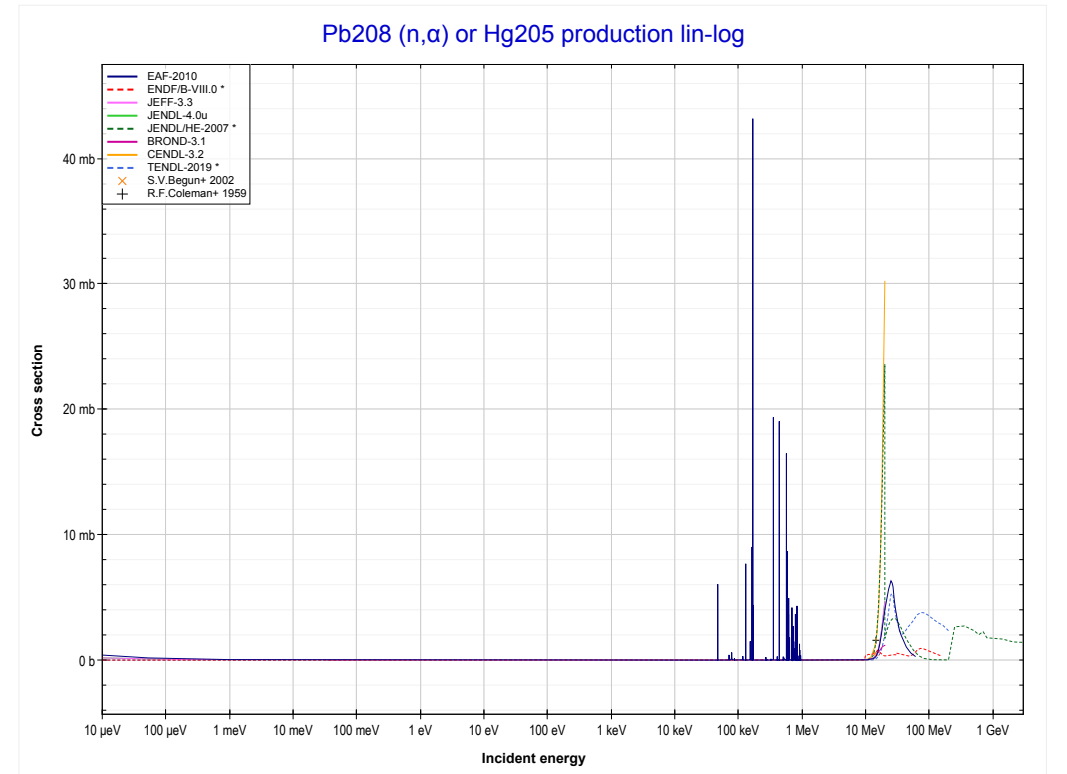
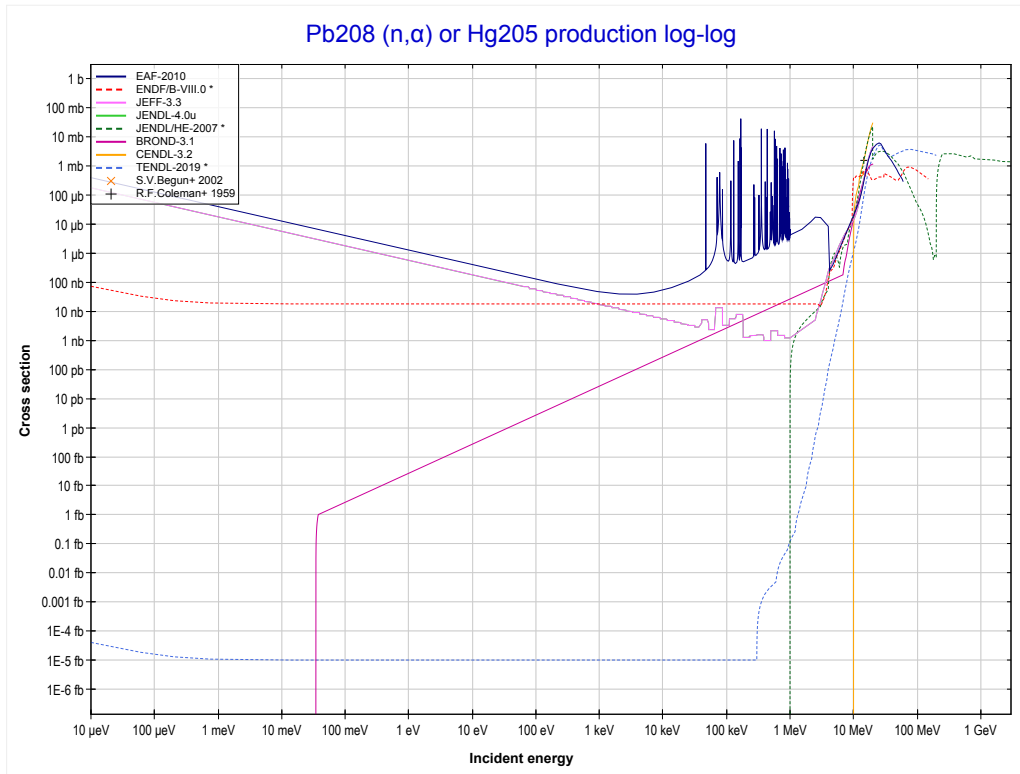
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 3.58751E-7 b | 4.9872E-4 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.4783E-7 b | 2.47342E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.25847E-7 b | 1.84688E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.25847E-7 b | 1.84688E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78144E-7 b | 2.65962E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.73134E-7 b | 3.17542E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.37253E-7 b | 5.99932E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.38057E-7 b | 3.59959E-4 b |

| | | |
|----------------|--|-------------------------|
| << 80-Hg-196 | 82-Pb-208 | |
| << MT103 (n,p) | MT104 (n,d) or MT5 (TI207 production) | MT107 (n, α) >> |



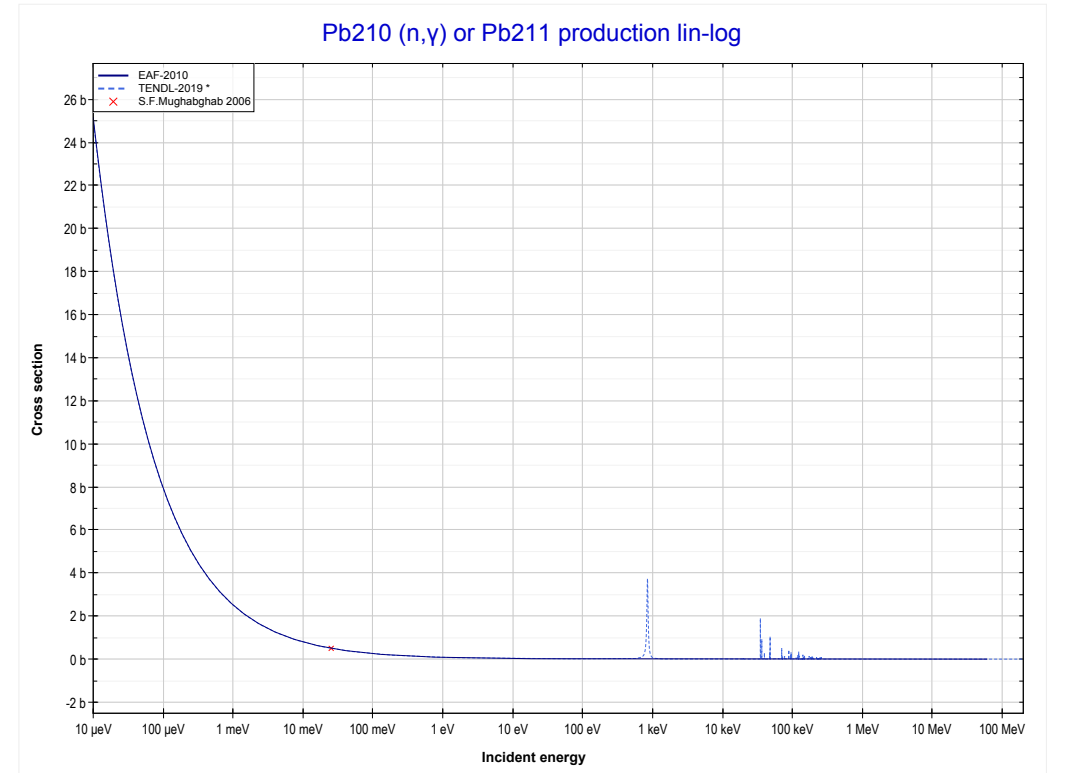
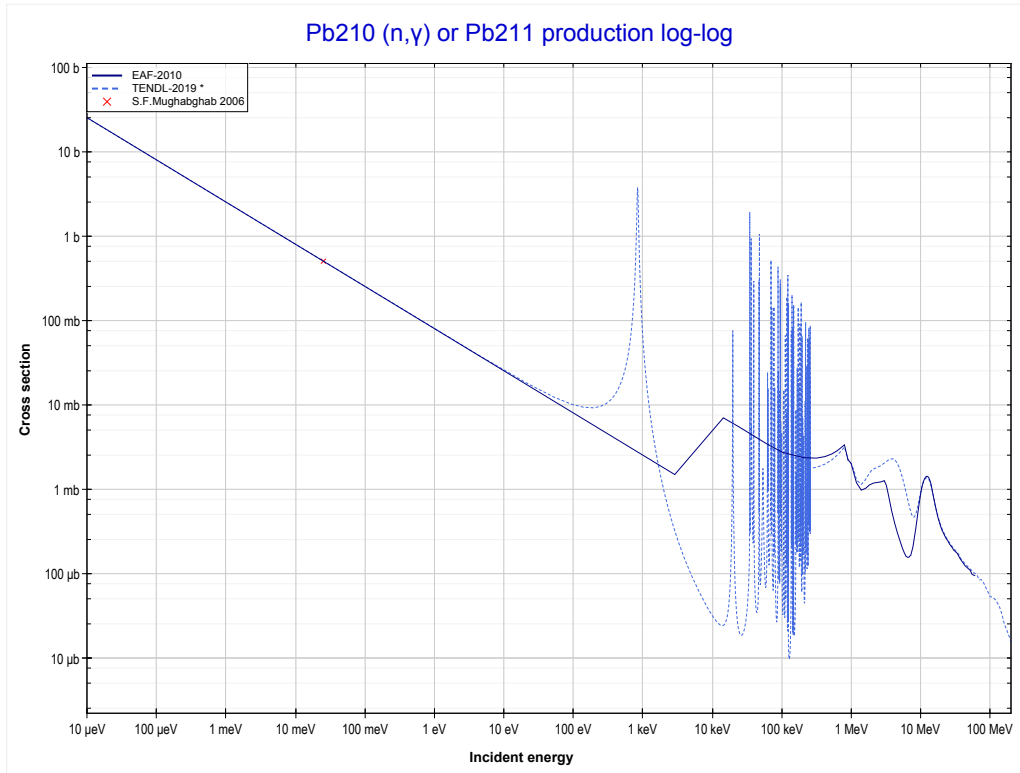
| Reaction | Q-Value |
|-------------------|--------------|
| Pb208(n,d)TI207 | -5779.00 keV |
| Pb208(n,n+p)TI207 | -8003.57 keV |

| | | |
|----------------|--|-----------------------------------|
| << 82-Pb-206 | 82-Pb-208 | 83-Bi-209 >> |
| << MT104 (n,d) | MT107 (n,α) or MT5 (Hg205 production) | 82-Pb-210 MT102 (n, γ) >> |



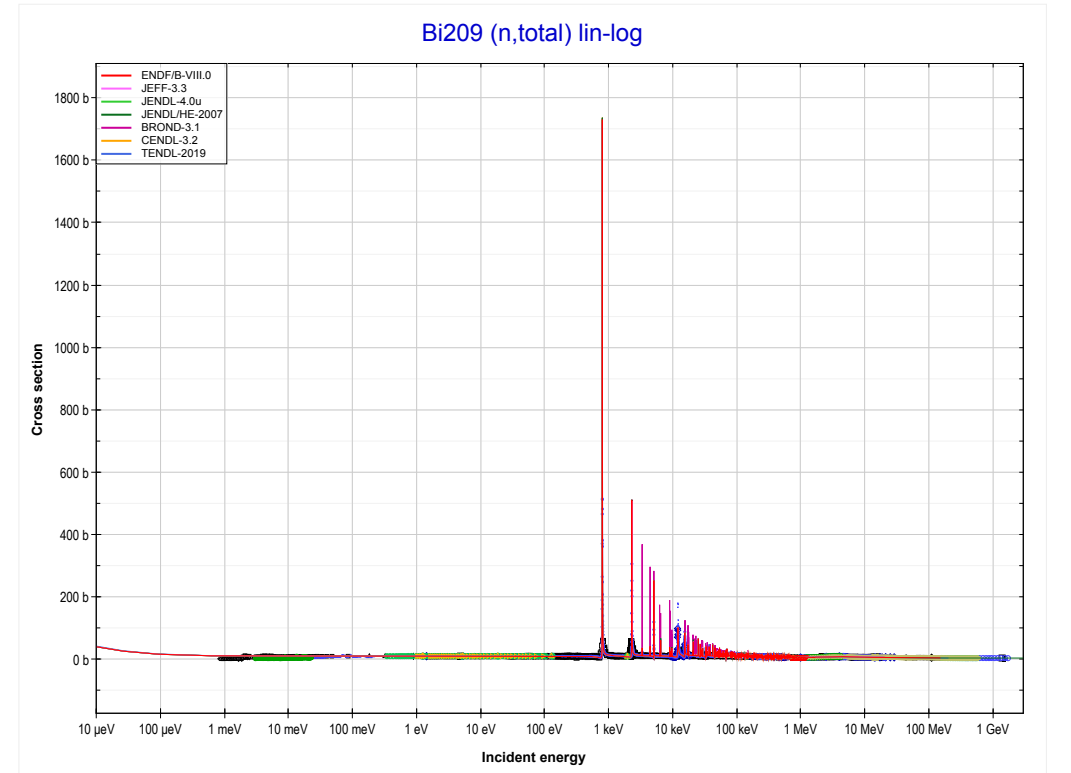
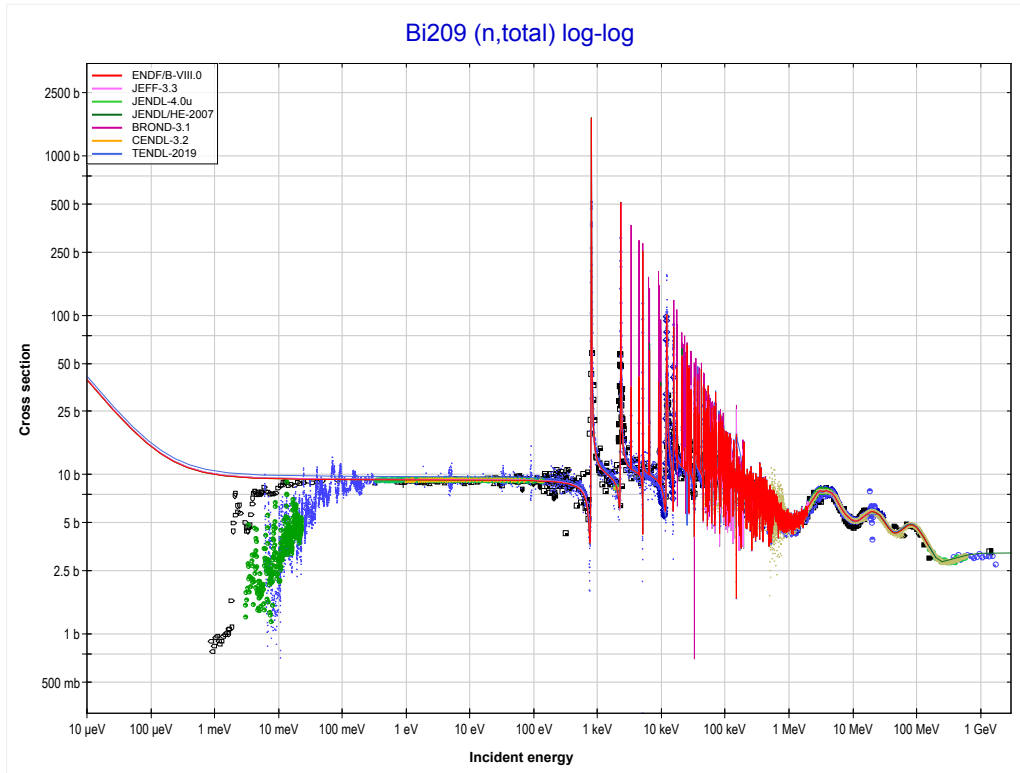
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 8E-6 b | 7.994E-6 b | 7.9947E-6 b | 1.00009 | 1.79179E-5 b | 1.38447E-5 b | 2.02483E-4 b |
| ENDF/B-VIII.0 | 1.81172E-8 b | 1.81172E-8 b | 2.0443E-8 b | 1.12838 | 2.20607E-7 b | 1.18948E-6 b | 5.92097E-4 b |
| JEFF-3.3 | 3.56805E-6 b | 3.56805E-6 b | 3.5695E-6 b | 1.0004 | 1.60829E-6 b | 3.67465E-7 b | 2.36747E-4 b |
| JENDL-4.0u | 3.56805E-6 b | 3.56805E-6 b | 3.5695E-6 b | 1.0004 | 1.60829E-6 b | 3.67466E-7 b | 2.36747E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 7.64998E-7 b | 9.49227E-4 b |
| BROND-3.1 | 0 b | 0 b | 2.1036E-15 b | 0 | 2.67483E-9 b | 2.47741E-7 b | 2.73124E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 7.77925E-7 b | 0.00109893 b |
| TENDL-2019 | 1.0024E-20 b | 1.0024E-20 b | 1.1312E-20 b | 1.12847 | 1.22073E-19 b | 4.55675E-8 b | 5.55271E-5 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 82-Pb-208 | 82-Pb-210 | 83-Bi-209 >> |
| << 82-Pb-208 MT107 (n, α) | MT102 (n,γ) or MT5 (Pb211 production) | 83-Bi-209 MT1 (n,total) >> |



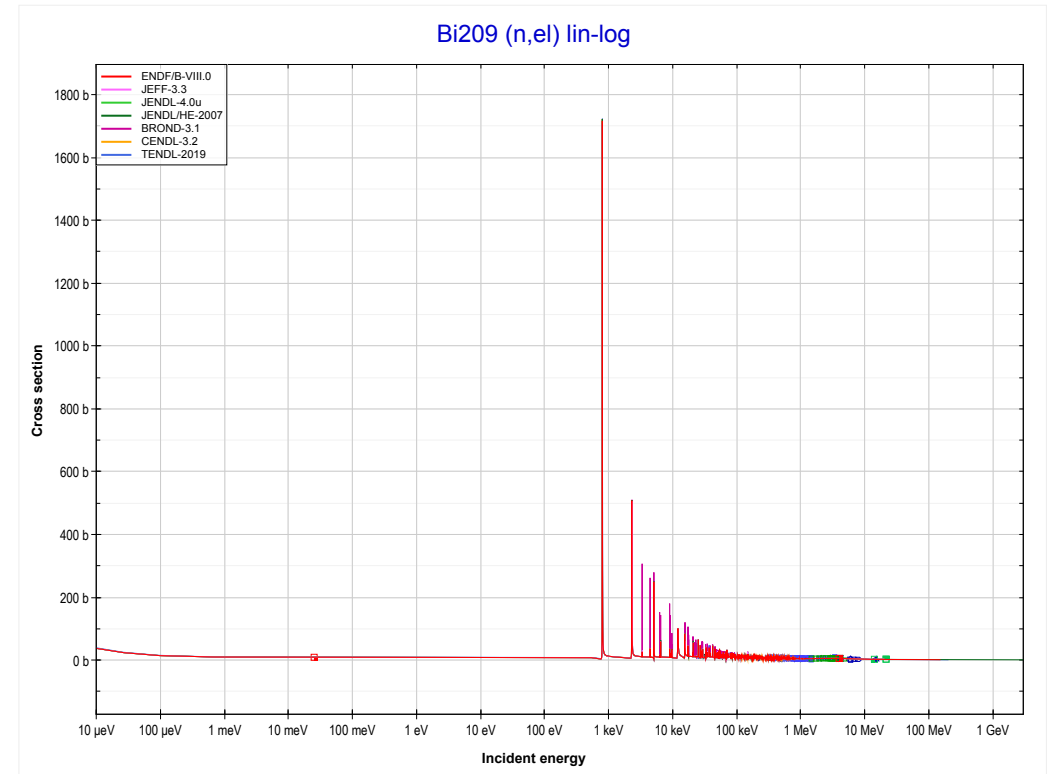
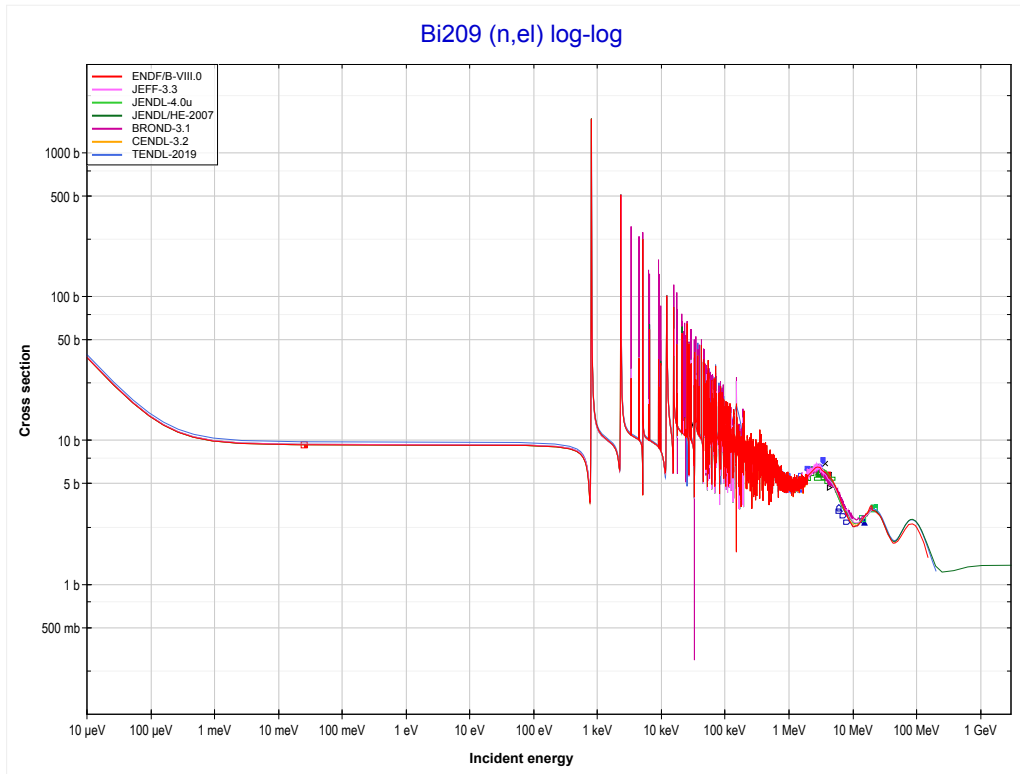
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.5 b | 0.499625 b | 0.49964 b | 1.00004 | 0.236985 b | 0.00150096 b | 0.00117491 b |
| TENDL-2019 | 0.49798 b | 0.49798 b | 0.49802 b | 1.00007 | 0.526335 b | 0.00179696 b | 0.00112595 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 82-Pb-208 | 83-Bi-209 | 88-Ra-226 >> |
| << 82-Pb-210 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



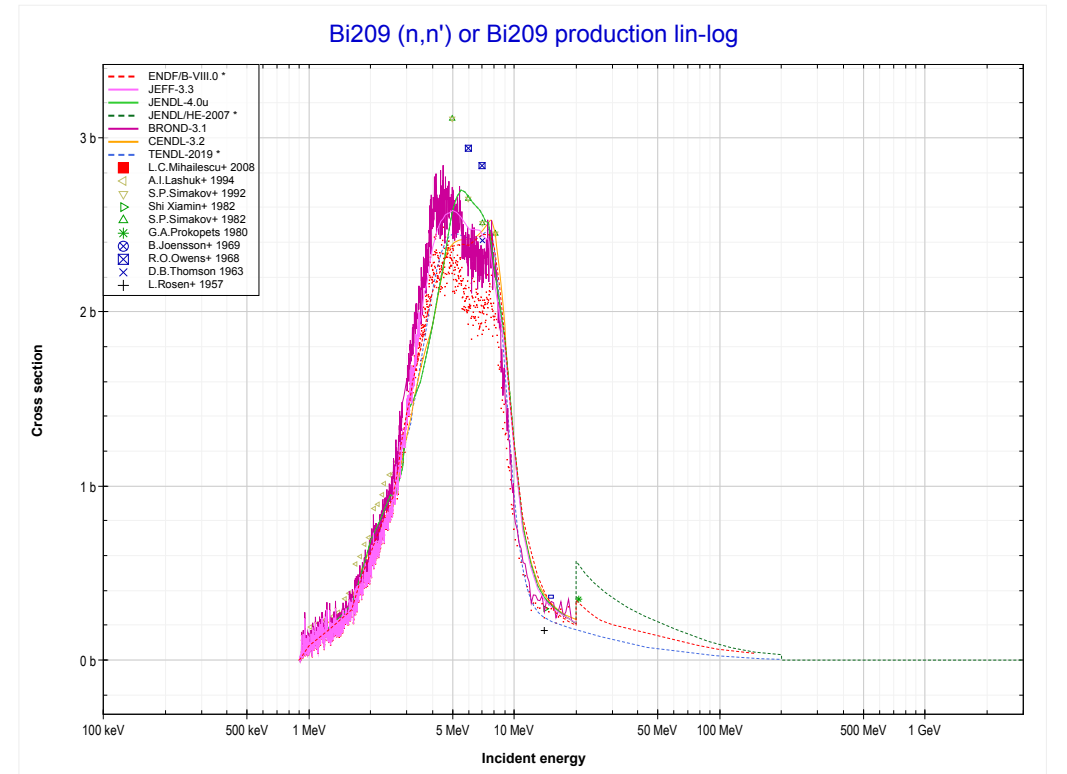
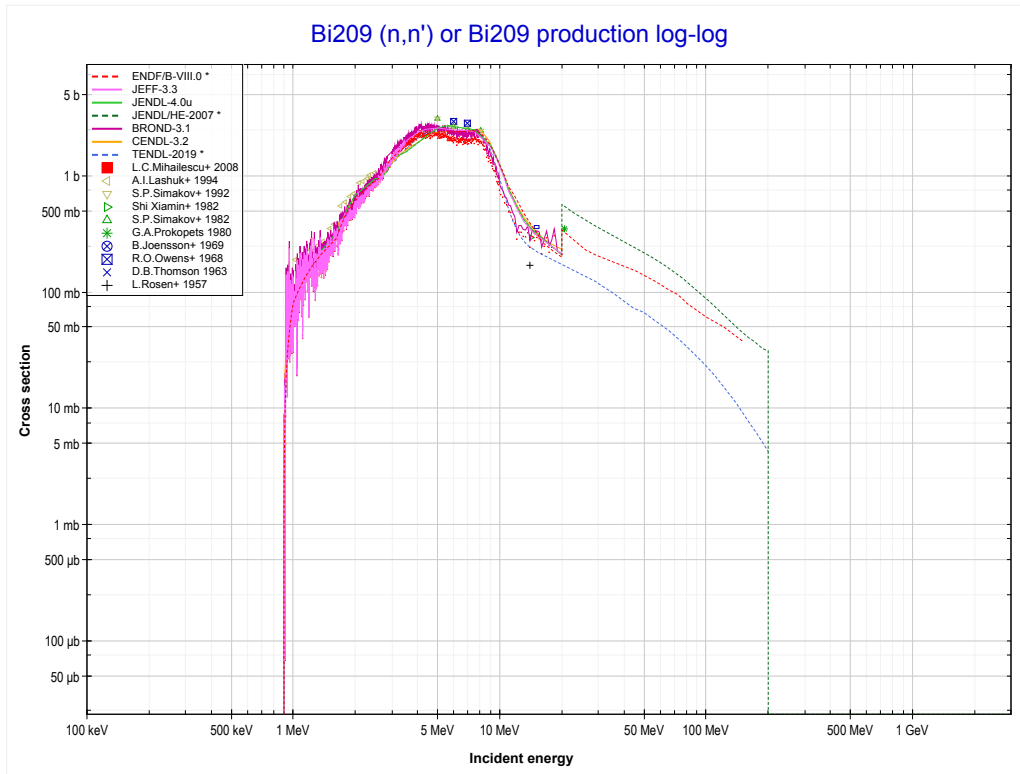
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.35645 b | 9.35645 b | 10.553 b | 1.12791 | 144.692 b | 6.51919 b | 5.34764 b |
| JEFF-3.3 | 9.42369 b | 9.42369 b | 10.629 b | 1.12791 | 143.421 b | 6.49407 b | 5.37004 b |
| JENDL-4.0u | 9.42369 b | 9.42369 b | 10.629 b | 1.12791 | 143.421 b | 6.49407 b | 5.37004 b |
| JENDL/HE-2007 | 9.35382 b | 9.35382 b | 10.551 b | 1.12798 | 144.209 b | 6.49438 b | 5.37004 b |
| BROND-3.1 | 9.42399 b | 9.42399 b | 10.629 b | 1.12791 | 143.845 b | 6.53848 b | 5.37004 b |
| CENDL-3.2 | 9.35644 b | 9.35644 b | 10.554 b | 1.12798 | 144.677 b | 6.50398 b | 5.3797 b |
| TENDL-2019 | 9.81894 b | 9.81894 b | 11.075 b | 1.12793 | 149.301 b | 6.61478 b | 5.38433 b |

| | | |
|------------------|------------------------|---------------|
| << 82-Pb-208 | 83-Bi-209 | 88-Ra-226 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



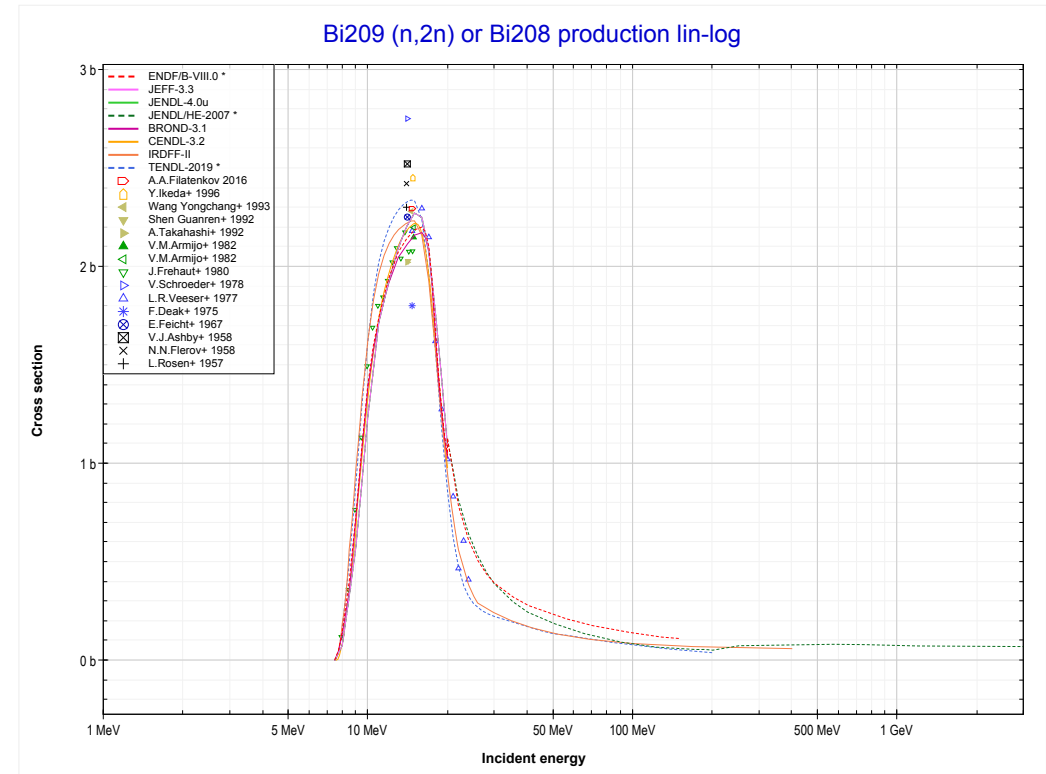
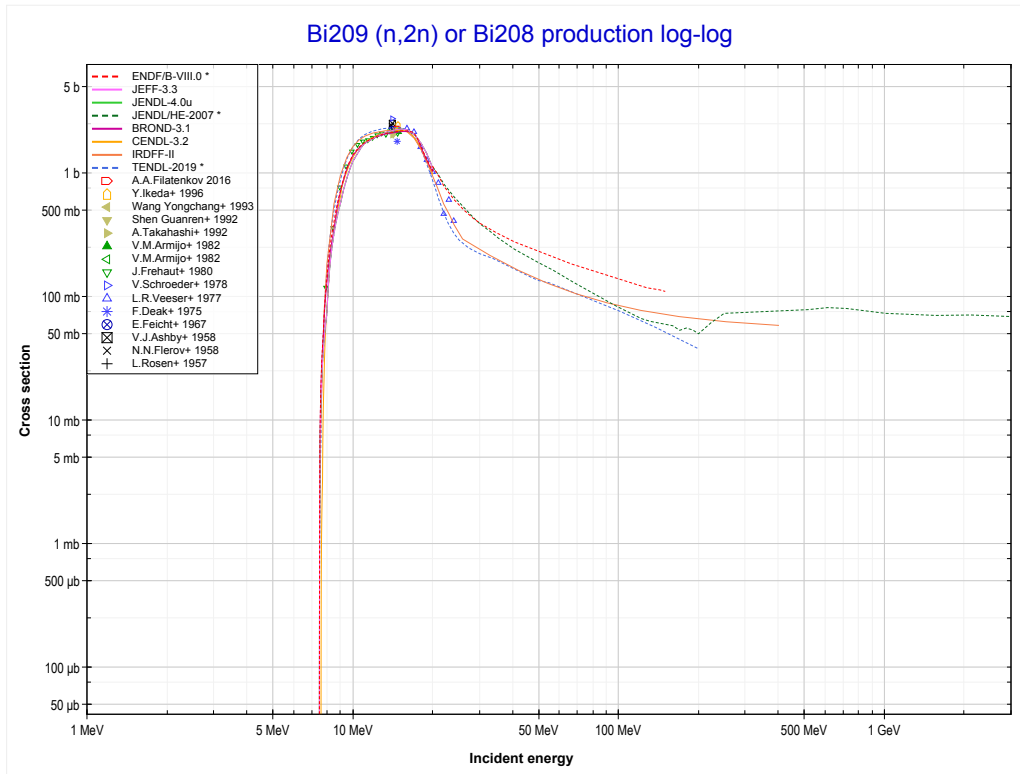
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.32263 b | 9.32263 b | 10.519 b | 1.12838 | 144.5 b | 5.81926 b | 2.8098 b |
| JEFF-3.3 | 9.38949 b | 9.38949 b | 10.595 b | 1.12837 | 143.257 b | 5.78089 b | 2.81934 b |
| JENDL-4.0u | 9.38949 b | 9.38949 b | 10.595 b | 1.12837 | 143.257 b | 5.79481 b | 2.80524 b |
| JENDL/HE-2007 | 9.31999 b | 9.31999 b | 10.517 b | 1.12844 | 144.007 b | 5.79469 b | 2.80499 b |
| BROND-3.1 | 9.38949 b | 9.38949 b | 10.595 b | 1.12837 | 143.681 b | 5.77345 b | 2.97909 b |
| CENDL-3.2 | 9.32263 b | 9.32263 b | 10.52 b | 1.12844 | 144.475 b | 5.81542 b | 2.8177 b |
| TENDL-2019 | 9.77932 b | 9.77932 b | 11.035 b | 1.12844 | 149.131 b | 5.93099 b | 2.8098 b |

| | | |
|--------------------|---|----------------|
| << 82-Pb-208 | 83-Bi-209 | 90-Th-232 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Bi209 production) | MT16 (n,2n) >> |



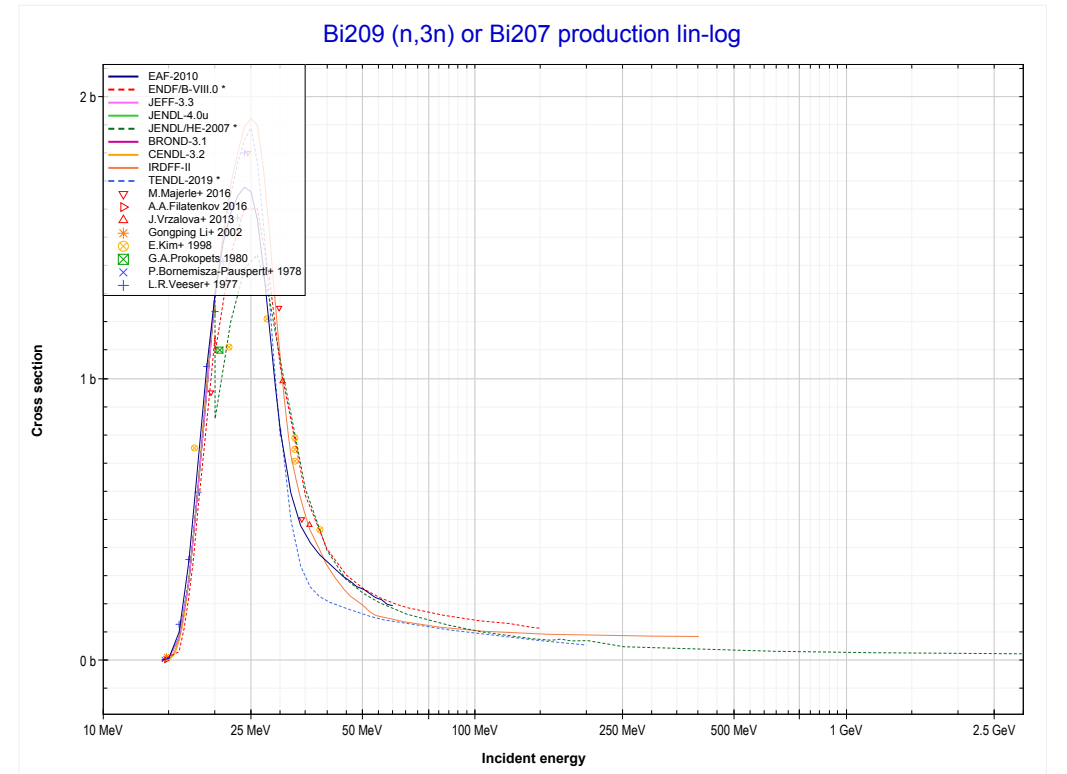
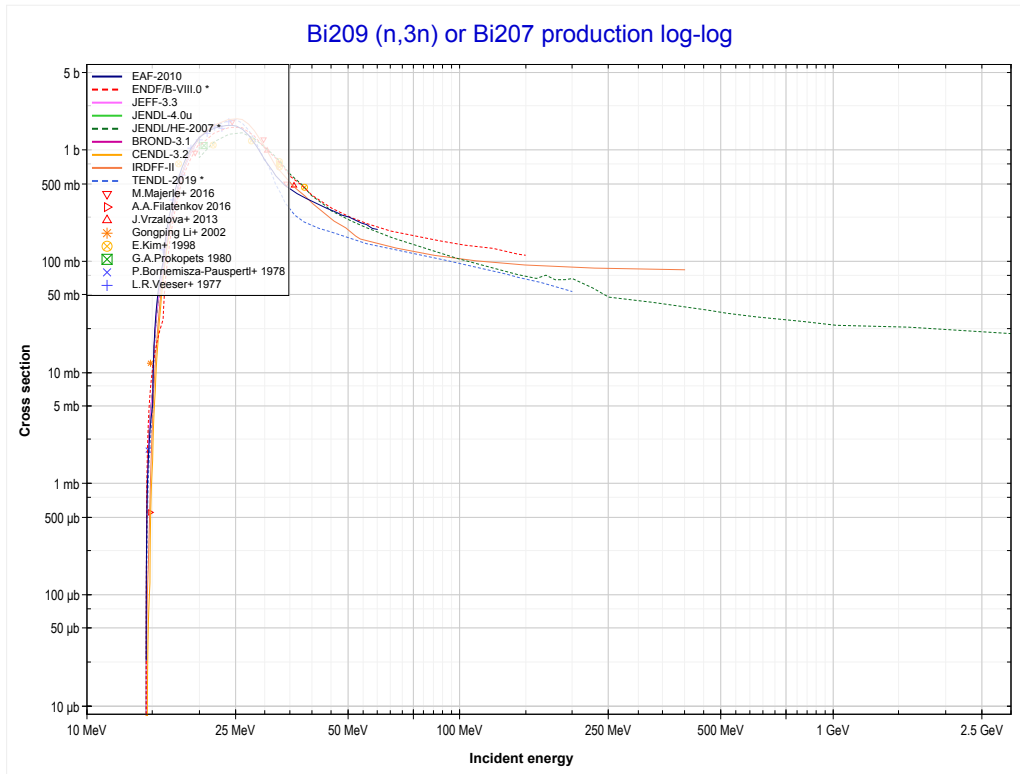
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.690026 b | 0.39228 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.704616 b | 0.346983 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.690701 b | 0.361087 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.690701 b | 0.361087 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.755775 b | 0.280055 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.678519 b | 0.37733 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.673055 b | 0.244051 b |

| | | |
|---------------|--|----------------|
| << 82-Pb-208 | 83-Bi-209 | 88-Ra-226 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Bi208 production) | MT17 (n,3n) >> |



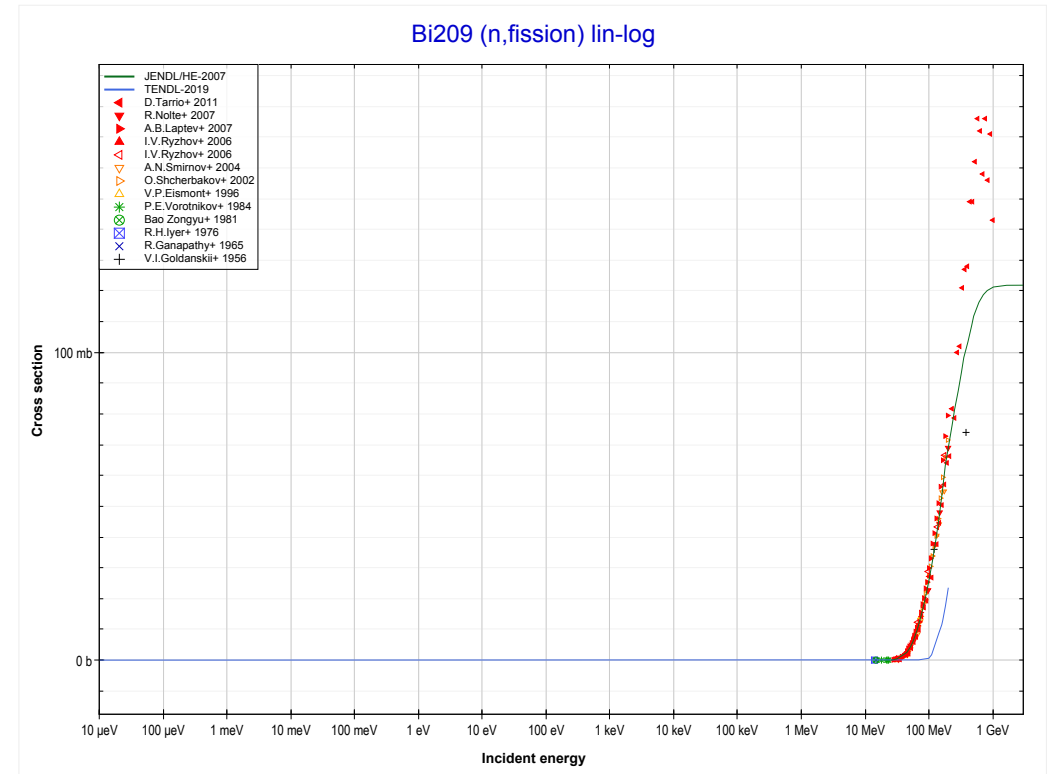
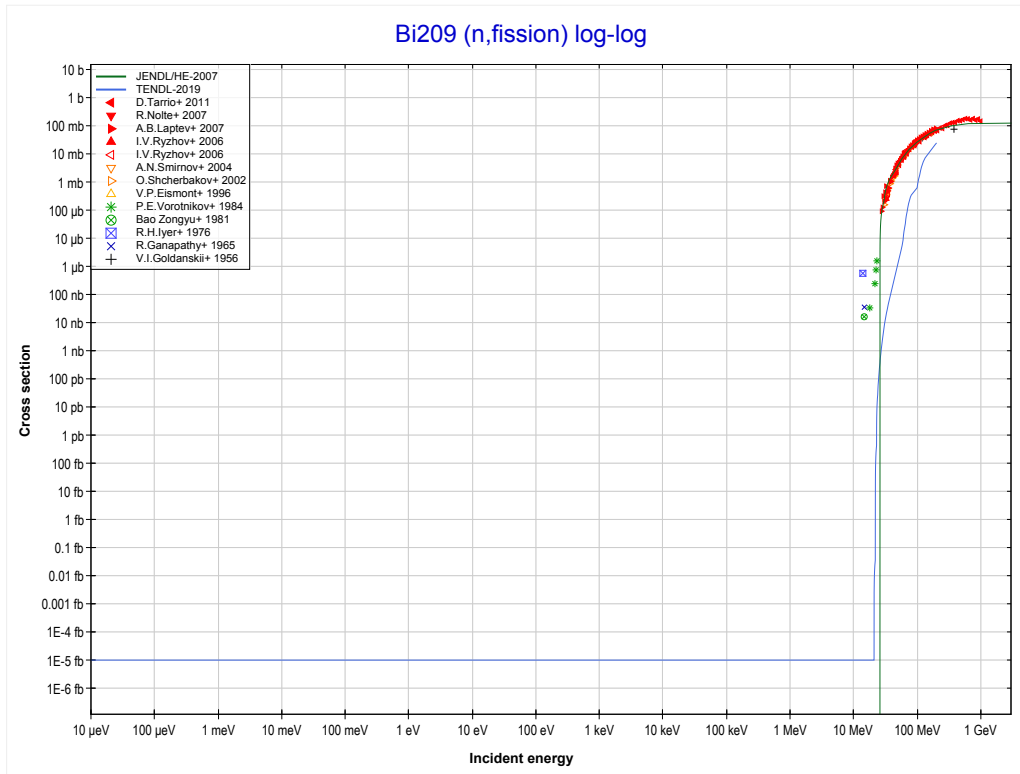
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00722468 b | 2.14 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00634272 b | 2.20113 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00634272 b | 2.20113 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00634272 b | 2.20113 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00701103 b | 2.1079 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00673496 b | 2.1812 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.00852719 b | 2.21854 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00842573 b | 2.32645 b |

| | | |
|----------------|--|---------------------|
| << 82-Pb-206 | 83-Bi-209 | 88-Ra-226 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Bi207 production) | MT18 (n,fission) >> |



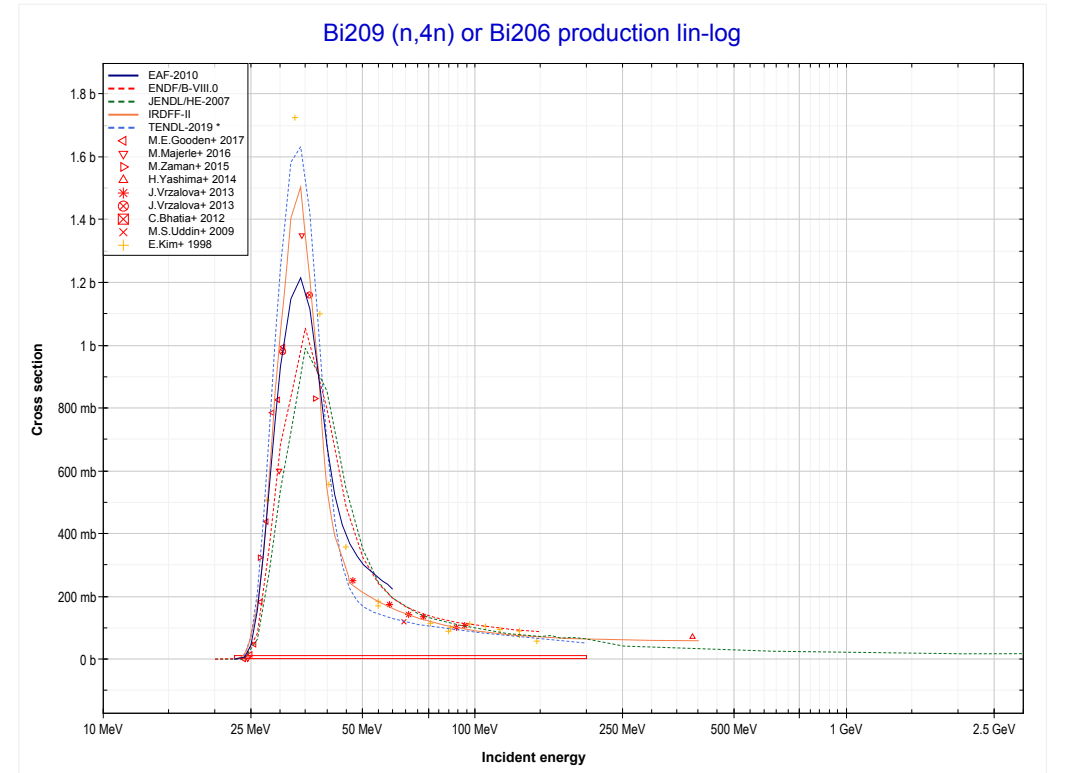
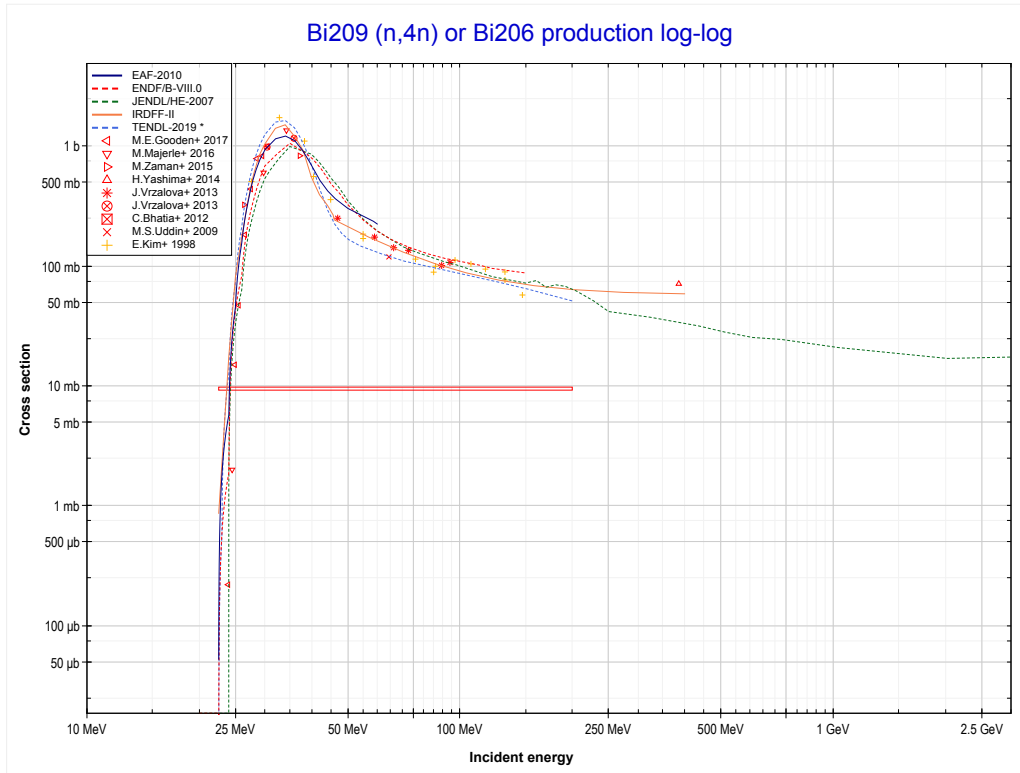
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.31963E-5 b | 0 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 8.92415E-6 b | 0 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13513E-5 b | 0 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.13513E-5 b | 0 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13513E-5 b | 0 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.13516E-5 b | 0 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.04711E-5 b | 0 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 1.10311E-5 b | 0 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15556E-5 b | 0 b |

| | | |
|----------------|-------------------------|----------------|
| << 82-Pb-208 | 83-Bi-209 | 88-Ra-223 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT37 (n,4n) >> |



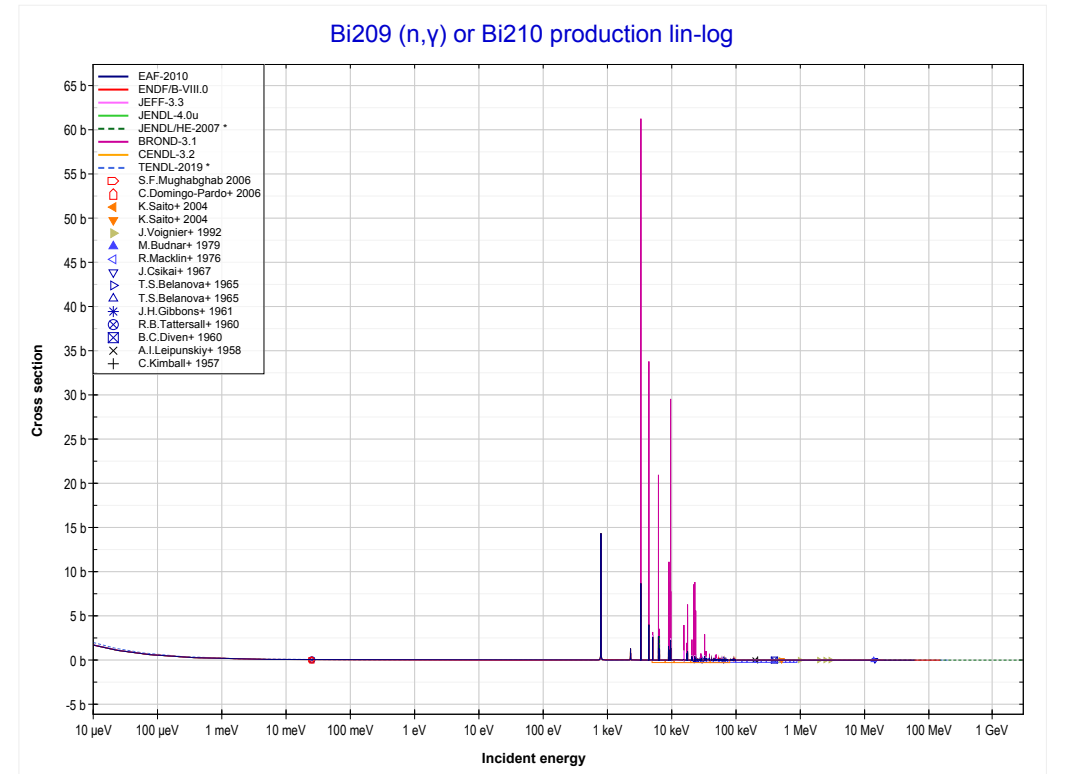
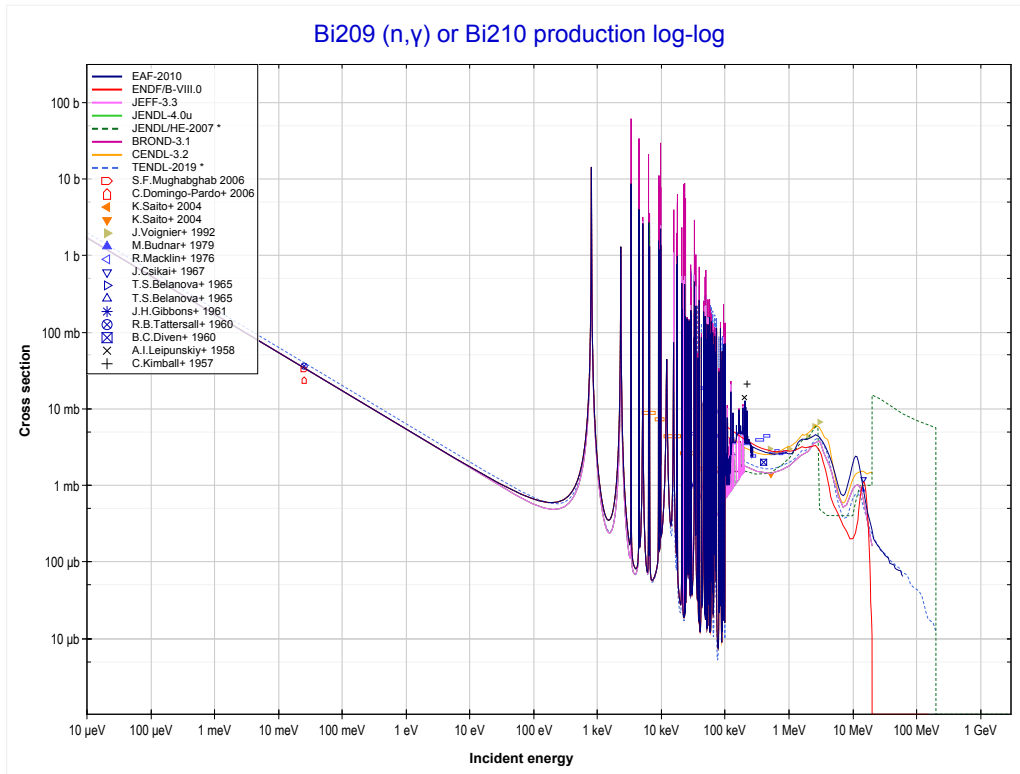
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0 b | 0 b |

| | | |
|---------------------|--|-------------------------|
| << 81-Tl-205 | 83-Bi-209 | 92-U-235 >> |
| << MT18 (n,fission) | MT37 (n,4n) or MT5 (Bi206 production) | MT102 (n, γ) >> |



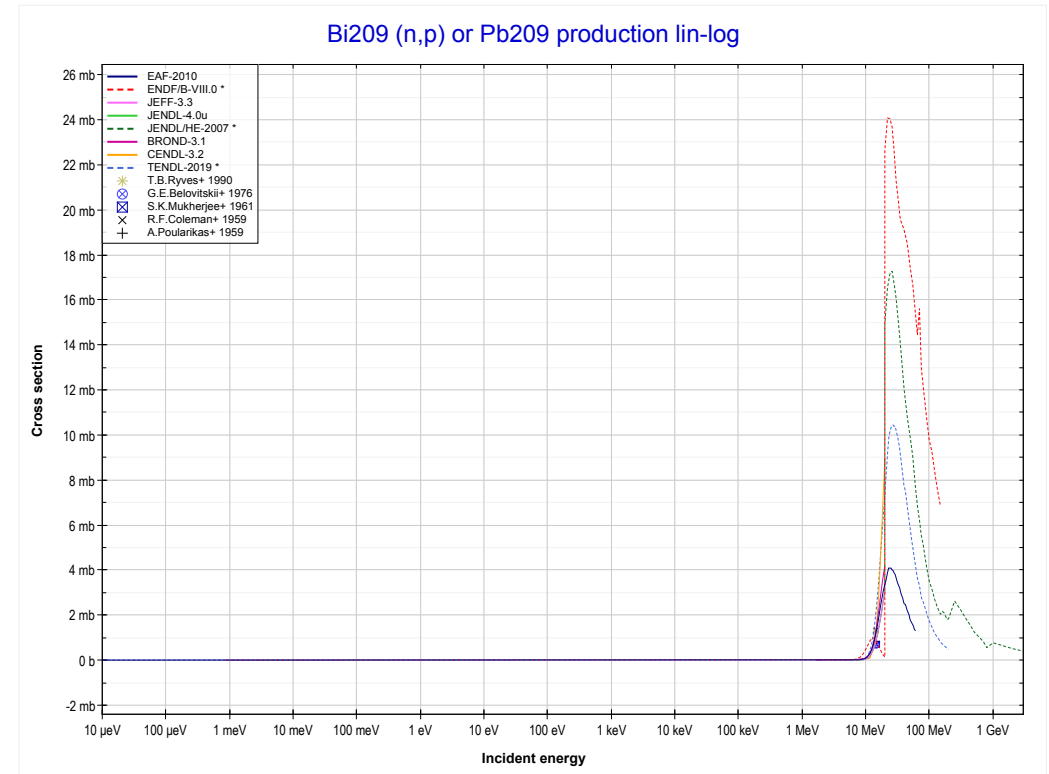
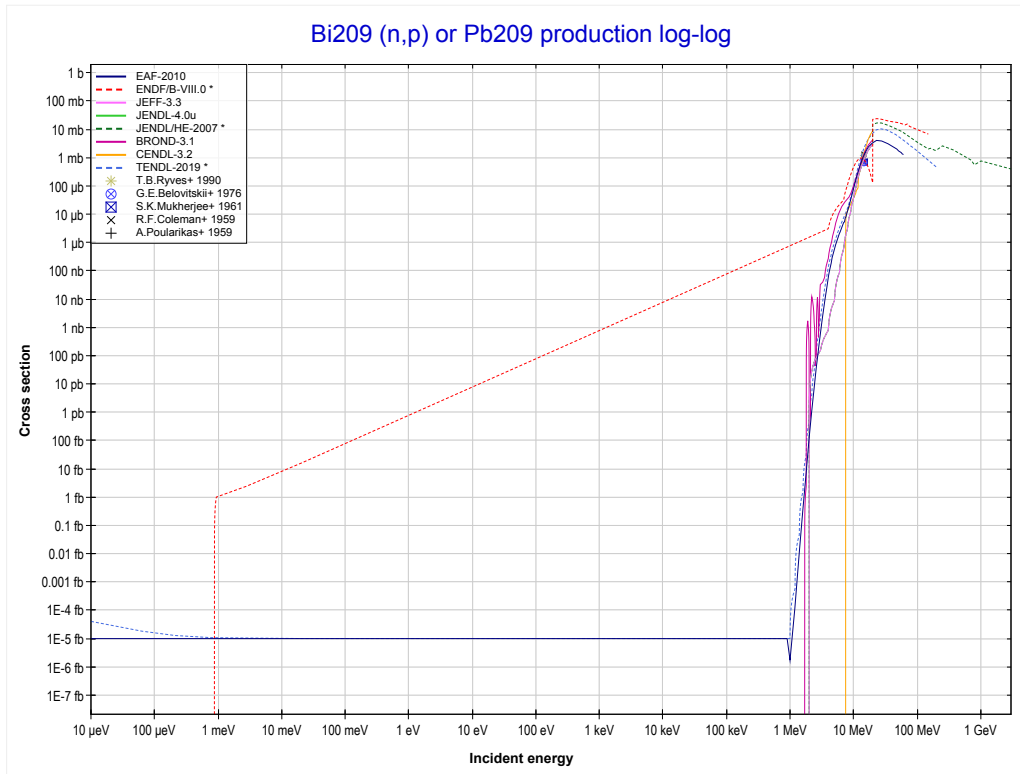
| | |
|------------------|---------------|
| Reaction | Q-Value |
| Bi209(n,4n)Bi206 | -22444.65 keV |

| | | |
|----------------|--|----------------|
| << 82-Pb-210 | 83-Bi-209 | 83-Bi-210m >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (Bi210 production) | MT103 (n,p) >> |



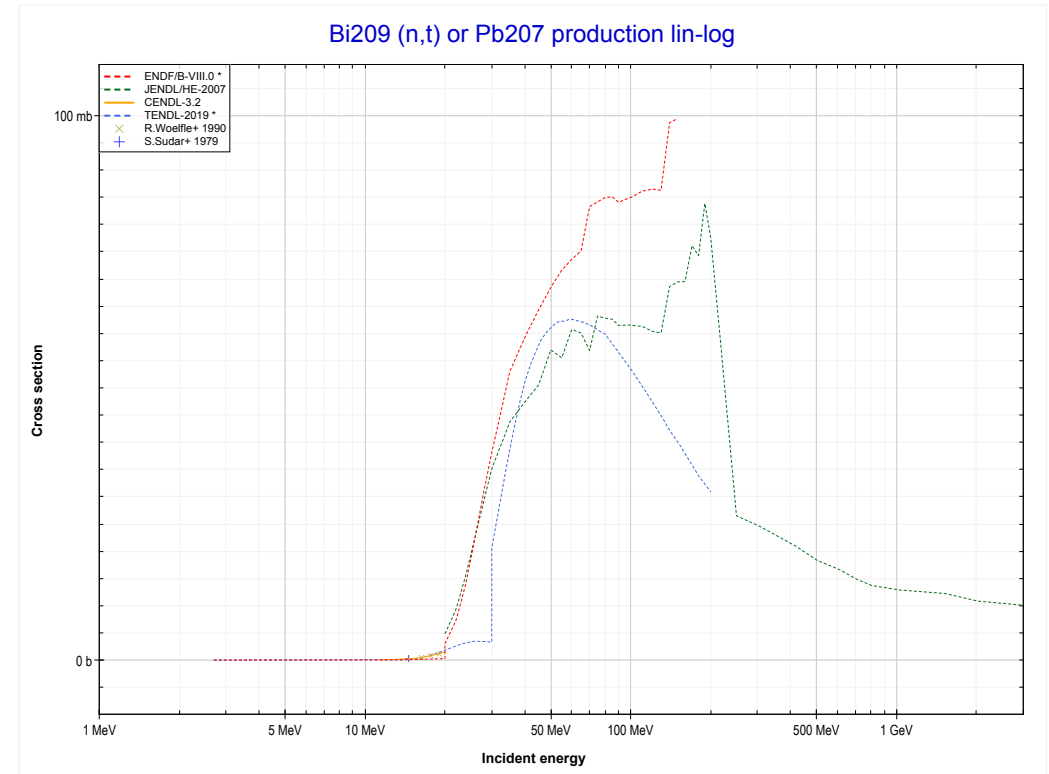
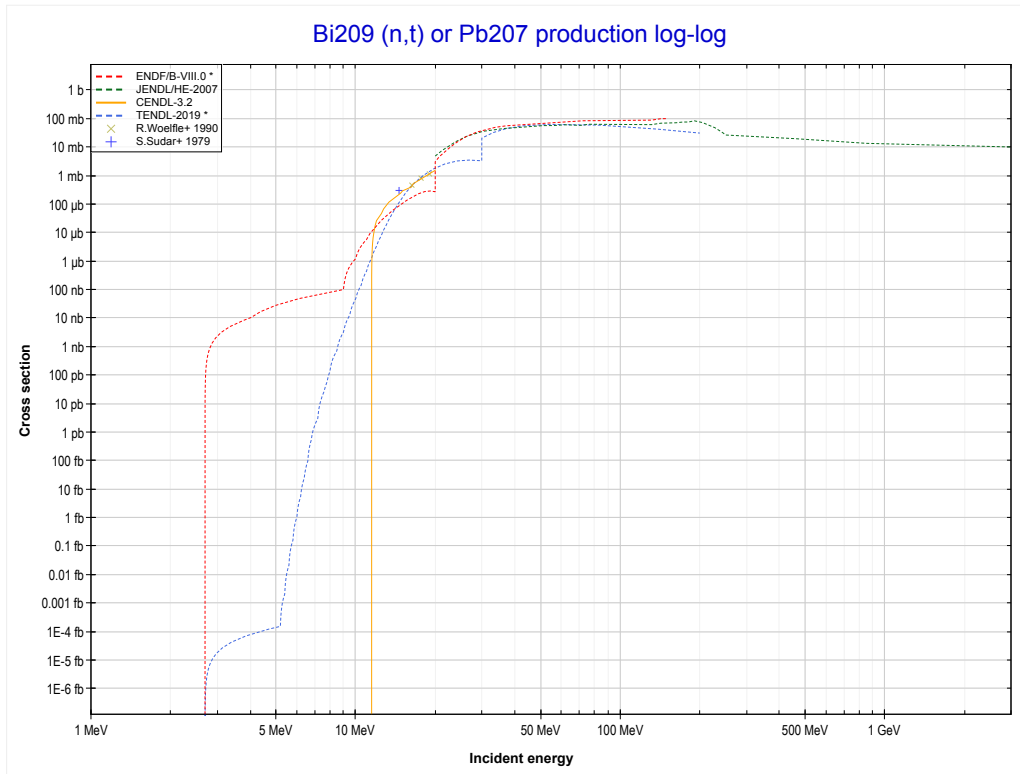
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0338391 b | 0.0338137 b | 0.033807 b | 0.9998 | 0.191947 b | 0.00321006 b | 0.00109 b |
| ENDF/B-VIII.0 | 0.0338123 b | 0.0338123 b | 0.033828 b | 1.00046 | 0.192078 b | 0.00265957 b | 0.001 b |
| JEFF-3.3 | 0.0342055 b | 0.0342055 b | 0.03422 b | 1.00042 | 0.163592 b | 0.0022045 b | 7.565E-4 b |
| JENDL-4.0u | 0.0342055 b | 0.0342055 b | 0.03422 b | 1.00042 | 0.163592 b | 0.0022045 b | 7.565E-4 b |
| JENDL/HE-2007 | 0.033838 b | 0.033838 b | 0.03384 b | 1.00007 | 0.190906 b | 0.0024476 b | 0.001 b |
| BROND-3.1 | 0.0345043 b | 0.0345043 b | 0.034519 b | 1.00041 | 0.164537 b | 0.00222432 b | 7.565E-4 b |
| CENDL-3.2 | 0.033805 b | 0.033805 b | 0.033807 b | 1.00007 | 0.191953 b | 0.00373989 b | 0.0015294 b |
| TENDL-2019 | 0.0396213 b | 0.0396213 b | 0.039623 b | 1.00005 | 0.165865 b | 0.0024643 b | 5.91973E-4 b |

| | | |
|-------------------------|--|----------------|
| << 82-Pb-208 | 83-Bi-209 | 92-U-235 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pb209 production) | MT105 (n,t) >> |



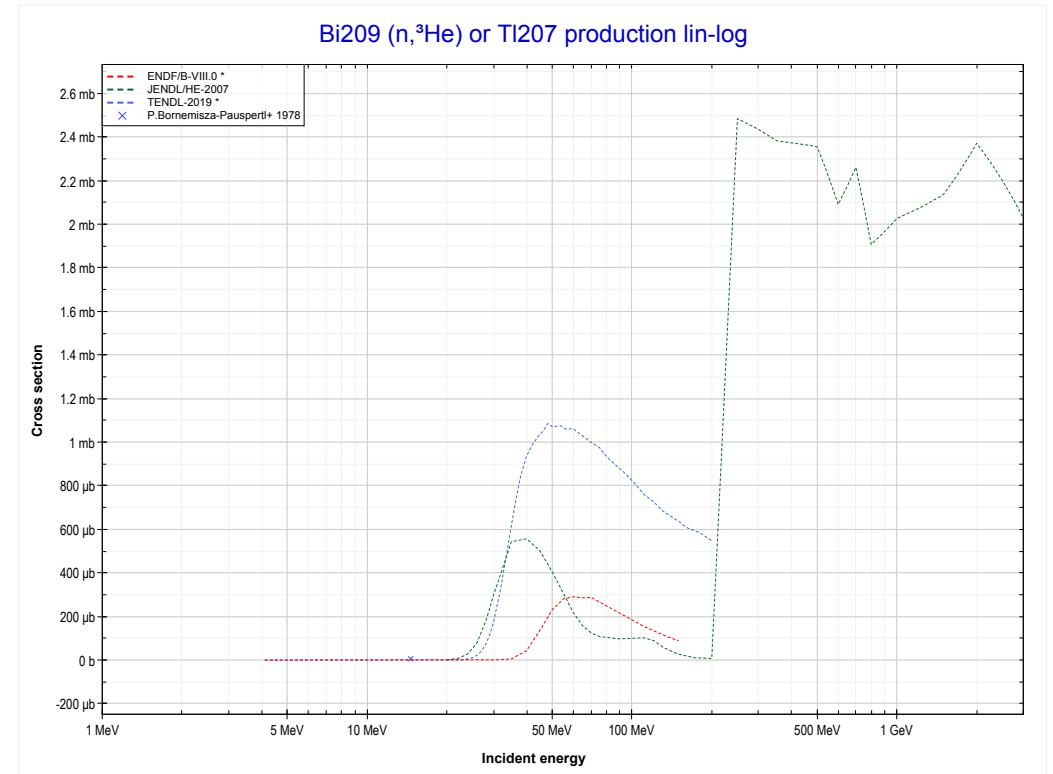
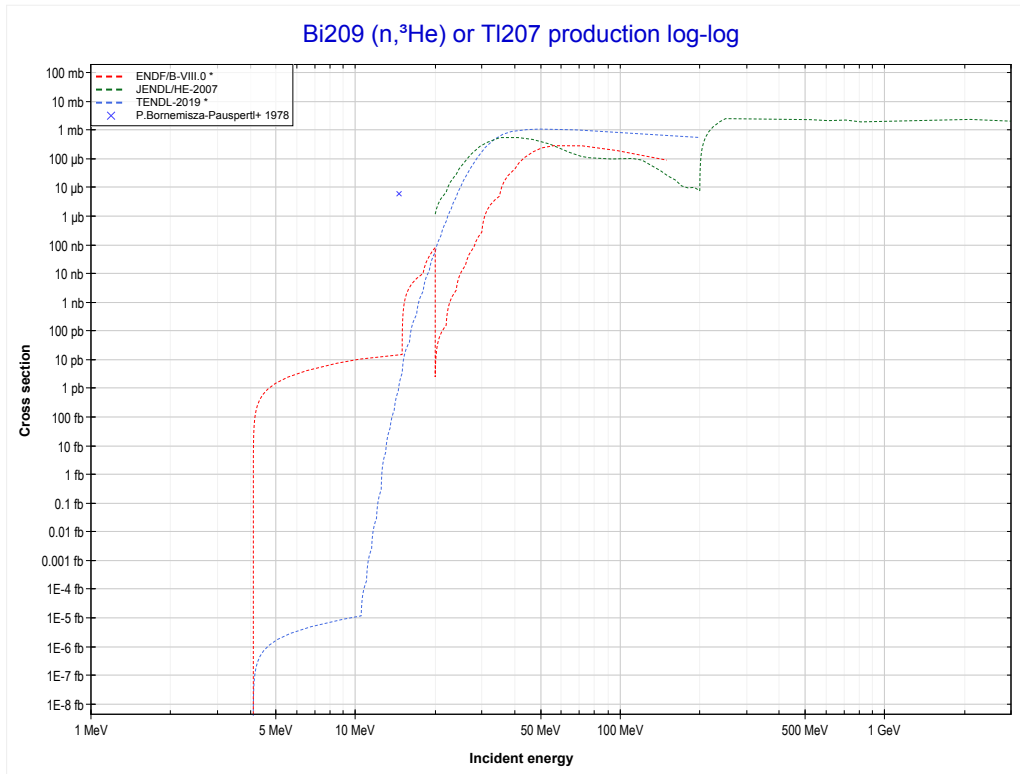
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1E-20 b | 1E-20 b | 1.1283E-20 b | 1.12915 | 1.22106E-19 b | 9.86966E-7 b | 0.00100059 b |
| ENDF/B-VIII.0 | 1.97557E-14 b | 1.97557E-14 b | 4.4299E-14 b | 2.24235 | 7.69996E-8 b | 5.63787E-6 b | 9.425E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 5.1878E-7 b | 6.8361E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.1878E-7 b | 6.8361E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 5.18779E-7 b | 6.8361E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.78683E-6 b | 0.0010793 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 6.80908E-7 b | 9.479E-4 b |
| TENDL-2019 | 1.0024E-20 b | 1.0024E-20 b | 1.1312E-20 b | 1.12847 | 1.22073E-19 b | 1.4845E-6 b | 0.00171054 b |

| | | |
|----------------|--|-------------------------------|
| << 82-Pb-204 | 83-Bi-209 | |
| << MT103 (n,p) | MT105 (n,t) or MT5 (Pb207 production) | MT106 (n, ³ He) >> |



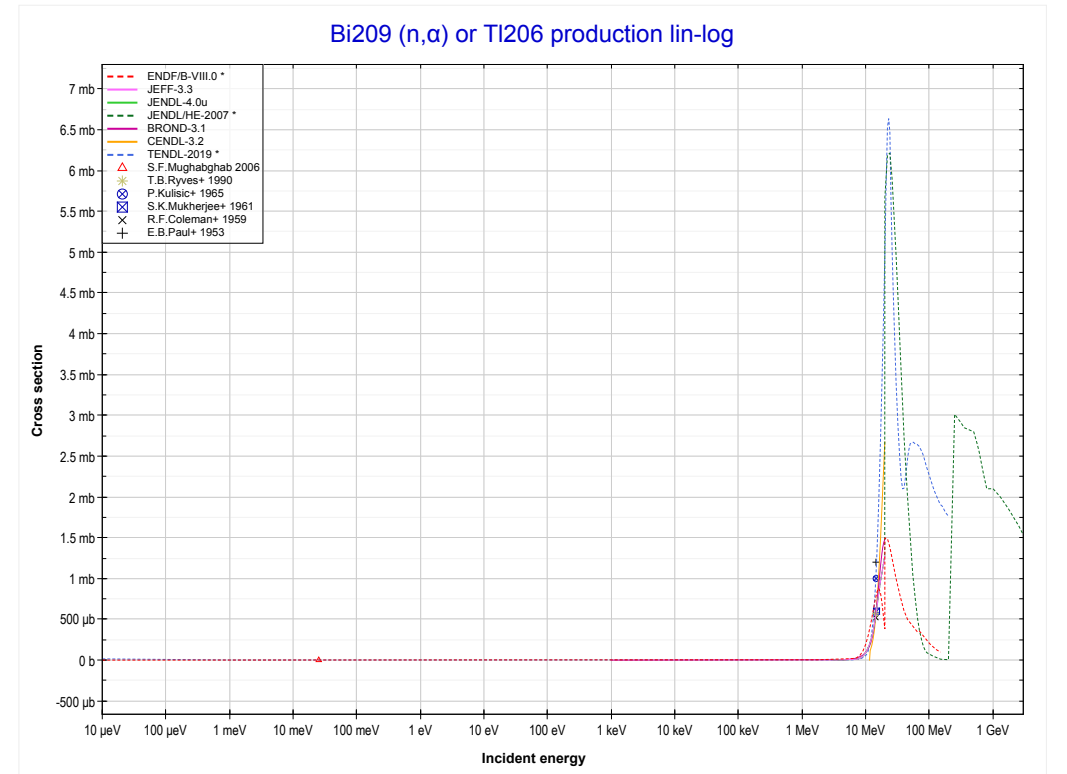
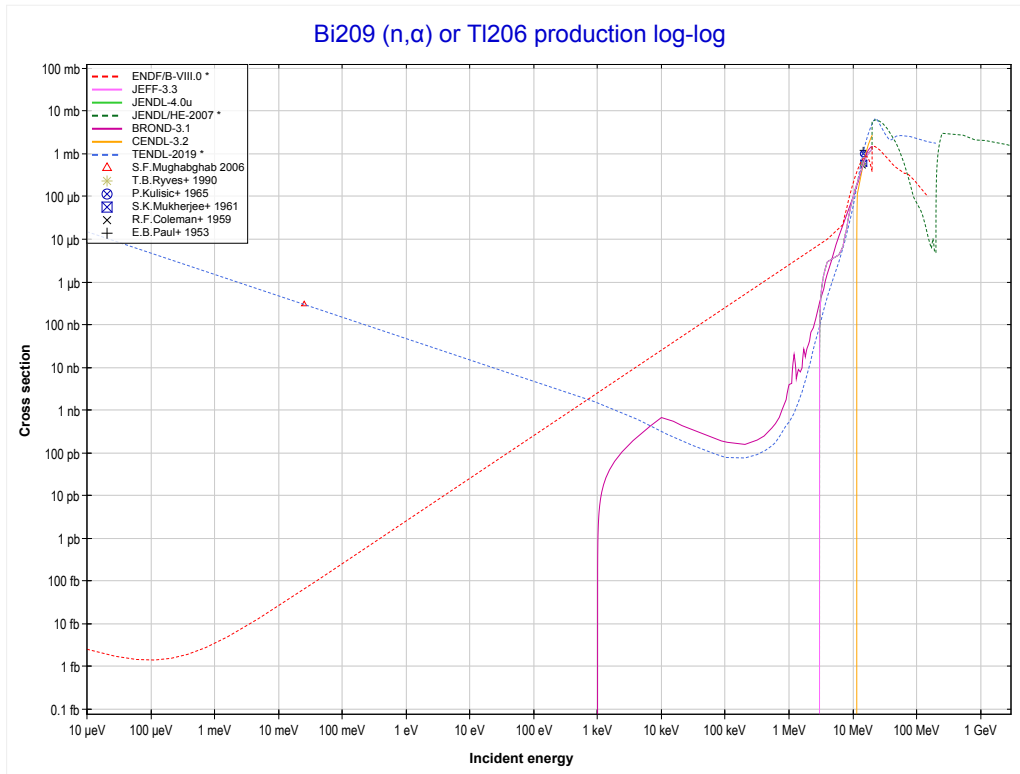
| Reaction | Q-Value |
|--------------------|---------------|
| Bi209(n,t)Pb207 | -2685.19 keV |
| Bi209(n,n+d)Pb207 | -8942.42 keV |
| Bi209(n,2n+p)Pb207 | -11166.99 keV |

| | | |
|----------------|---|----------------|
| << 81-Tl-205 | 83-Bi-209 | |
| << MT105 (n,t) | MT106 (n,³He) or MT5 (Tl207 production) | MT107 (n,α) >> |



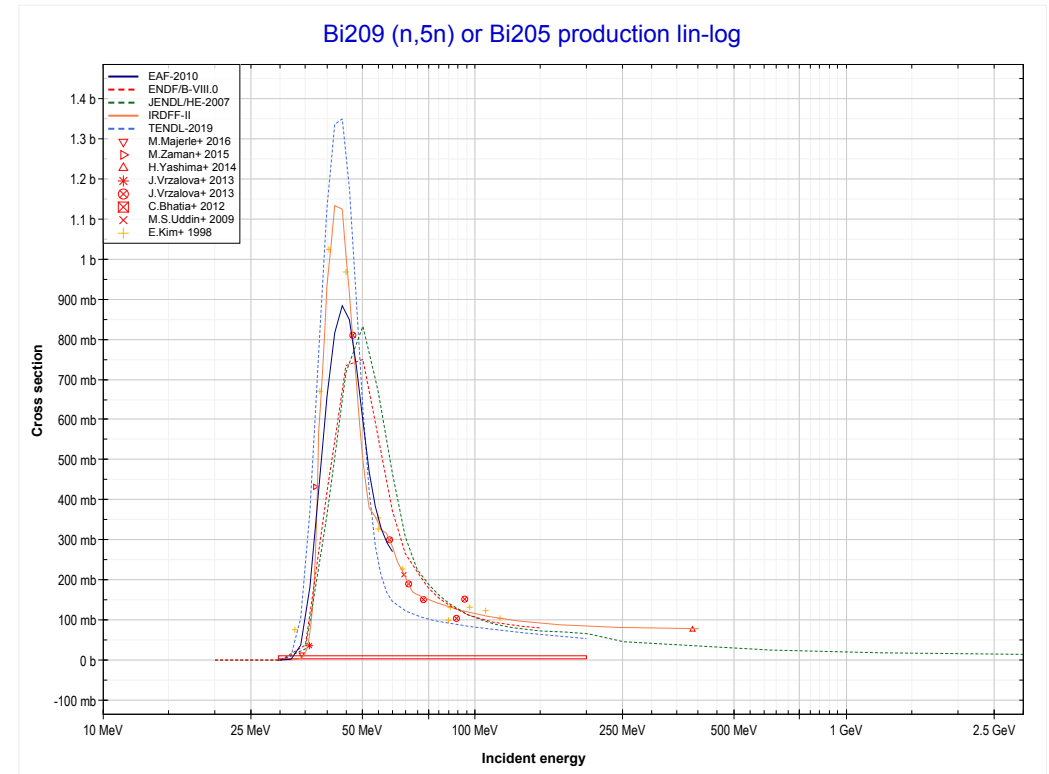
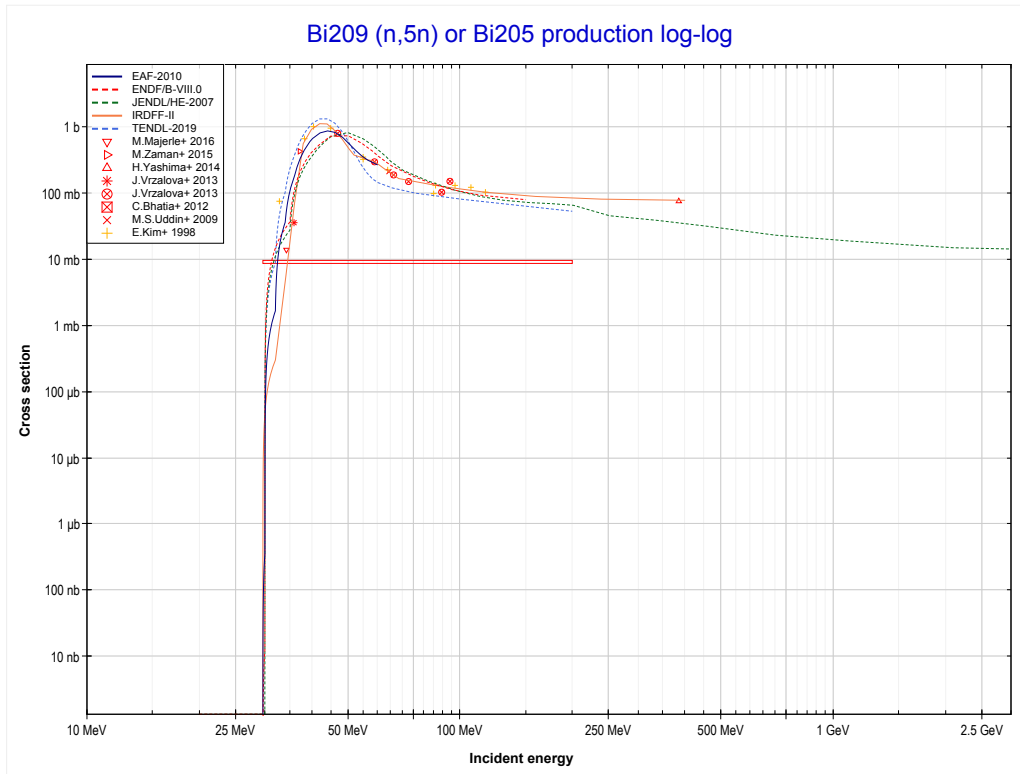
| Reaction | Q-Value |
|--------------------|---------------|
| Bi209(n,He3)Tl207 | -4084.60 keV |
| Bi209(n,p+d)Tl207 | -9578.08 keV |
| Bi209(n,n+2p)Tl207 | -11802.64 keV |

| | | |
|-------------------------------|--|-----------------|
| << 82-Pb-208 | 83-Bi-209 | 84-Po-210 >> |
| << MT106 (n, ³ He) | MT107 (n,α) or MT5 (TI206 production) | MT152 (n,5n) >> |



| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 6.46551E-14 b | 6.46551E-14 b | 1.449E-13 b | 2.24107 | 2.51999E-7 b | 6.51599E-6 b | 7.26E-4 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26125E-6 b | 4.79159E-4 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.26126E-6 b | 4.79159E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26125E-6 b | 4.79159E-4 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.35653E-9 b | 1.6661E-6 b | 4.9248E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.01224E-7 b | 4.3234E-4 b |
| TENDL-2019 | 2.98808E-7 b | 2.98808E-7 b | 2.9878E-7 b | 0.99992 | 1.33629E-7 b | 9.16788E-7 b | 8.04256E-4 b |

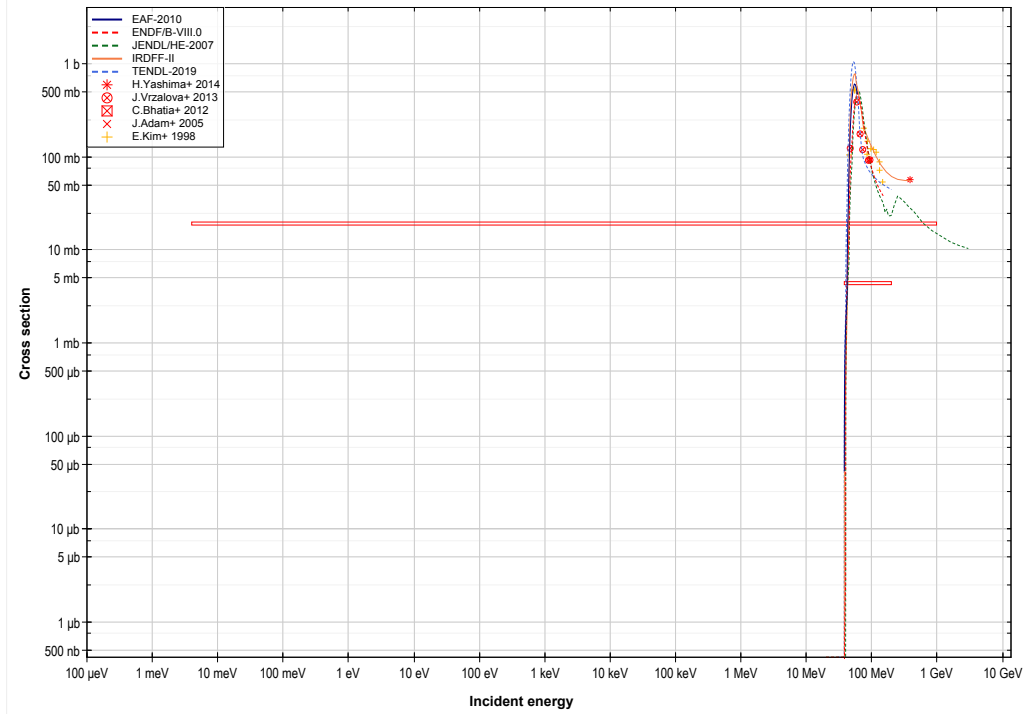
| | | |
|-------------------------|---|-----------------|
| << 79-Au-197 | 83-Bi-209 | |
| << MT107 (n, α) | MT152 (n,5n) or MT5 (Bi205 production) | MT153 (n,6n) >> |



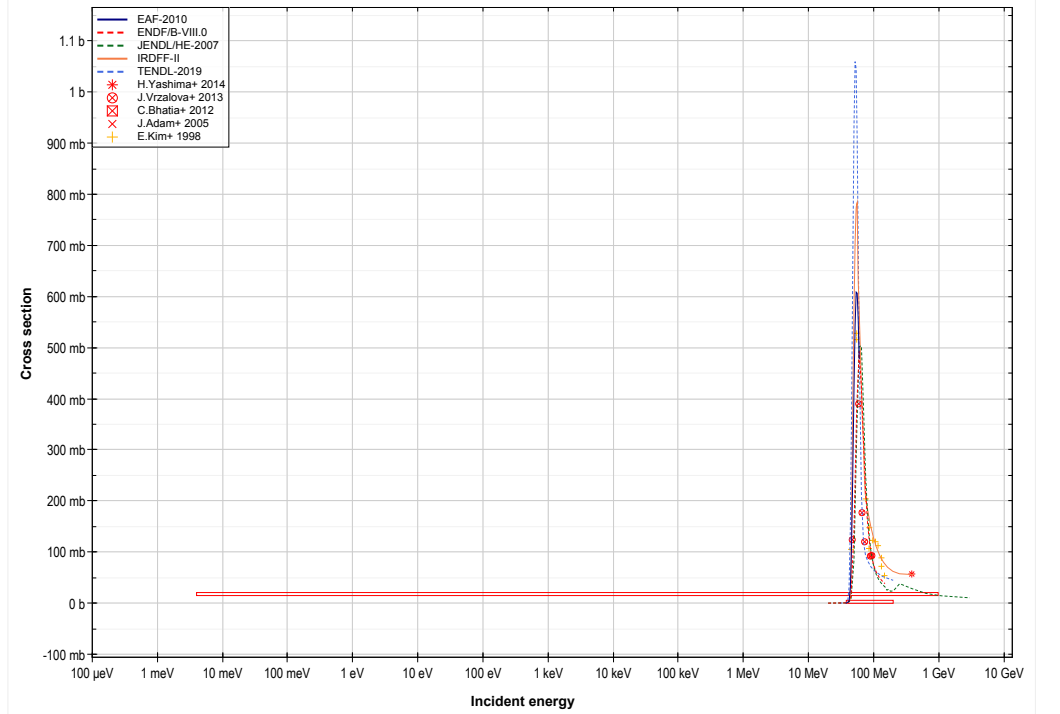
| Reaction | Q-Value |
|------------------|---------------|
| Bi209(n,5n)Bi205 | -29478.97 keV |

| | | |
|-----------------|---|-----------------|
| << 79-Au-197 | 83-Bi-209 | |
| << MT152 (n,5n) | MT153 (n,6n) or MT5 (Bi204 production) | MT160 (n,7n) >> |

Bi209 (n,6n) or Bi204 production log-log

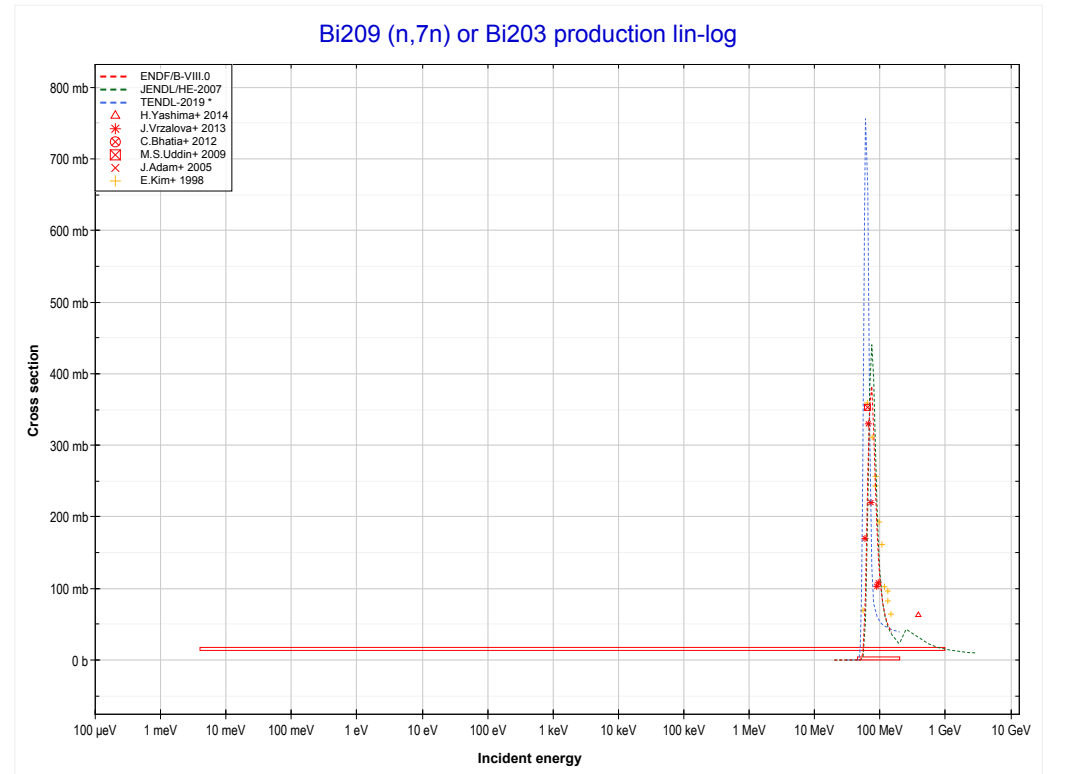
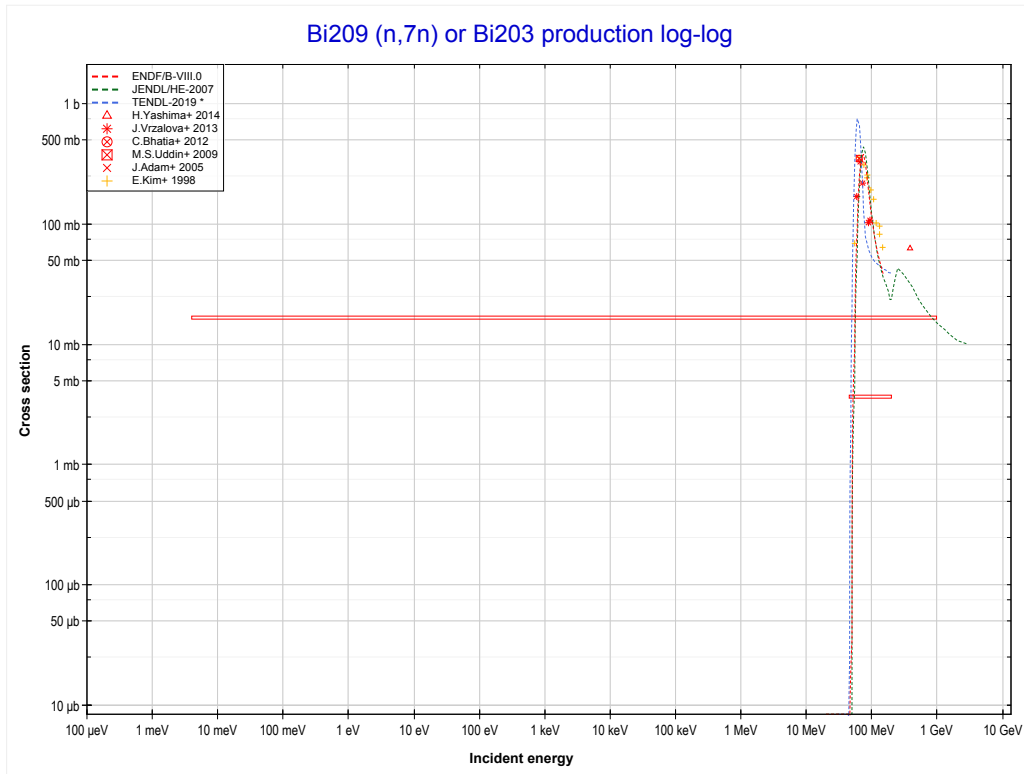


Bi209 (n,6n) or Bi204 production lin-log



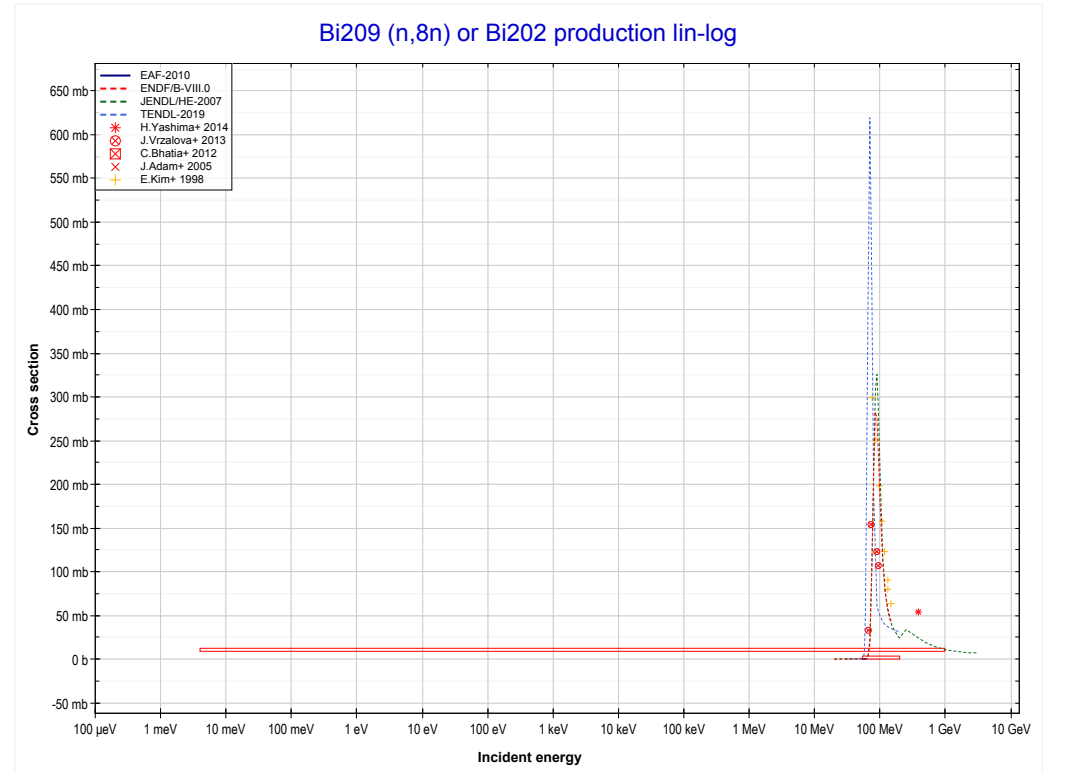
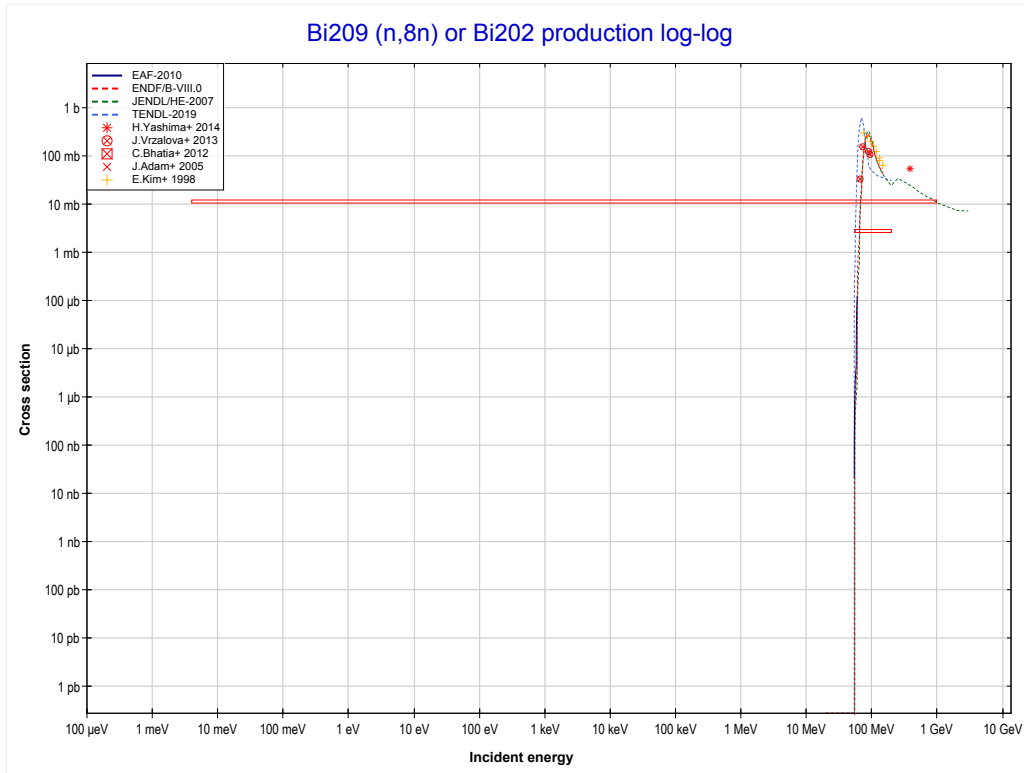
| | |
|------------------|---------------|
| Reaction | Q-Value |
| Bi209(n,6n)Bi204 | -37969.29 keV |

| | | |
|-----------------|---|-----------------|
| << 79-Au-197 | 83-Bi-209 | |
| << MT153 (n,6n) | MT160 (n,7n) or MT5 (Bi203 production) | MT161 (n,8n) >> |



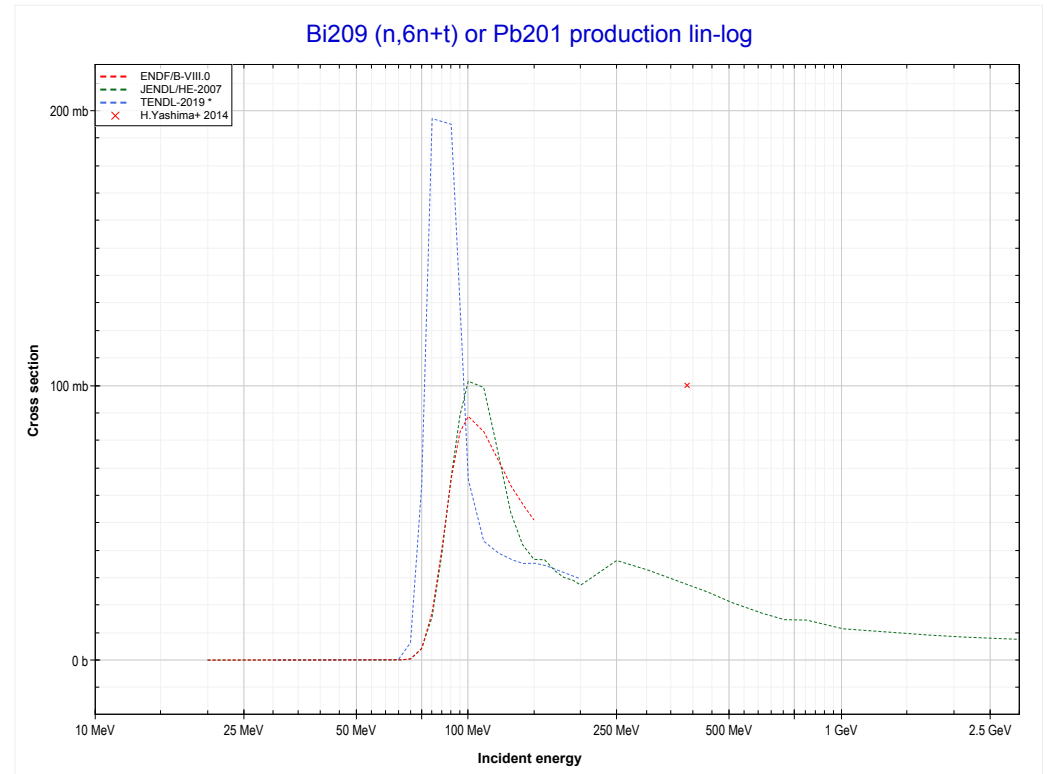
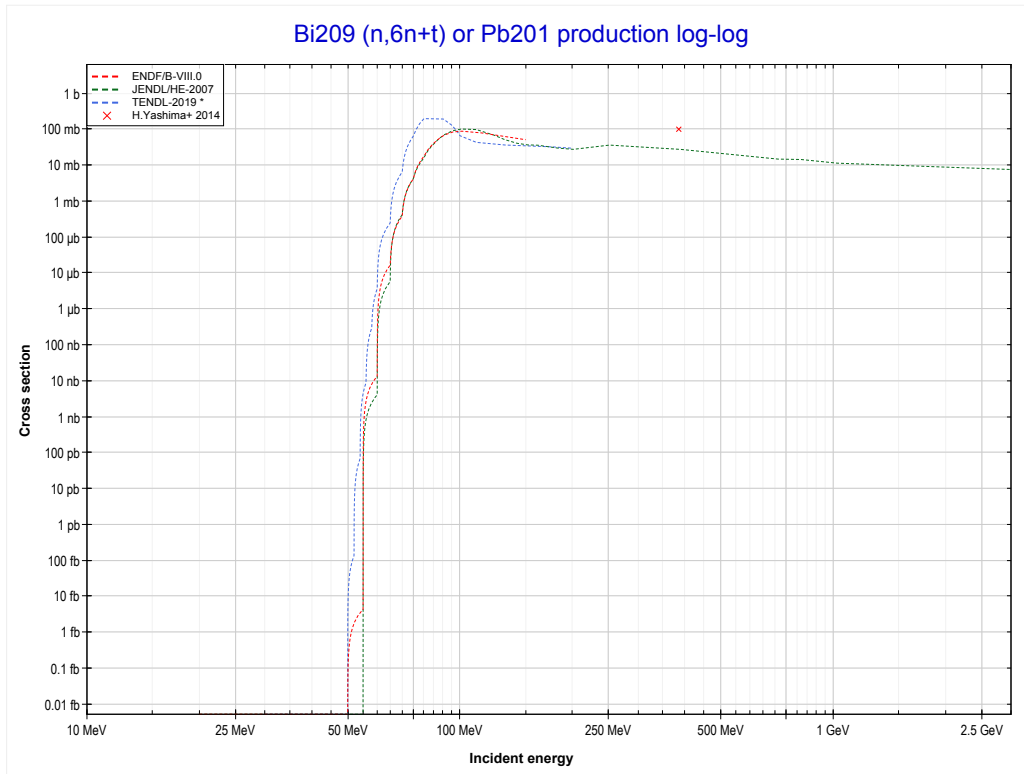
| Reaction | Q-Value |
|------------------|---------------|
| Bi209(n,7n)Bi203 | -45161.60 keV |

| | | |
|-----------------|---|-------------------|
| << 79-Au-197 | 83-Bi-209 | |
| << MT160 (n,7n) | MT161 (n,8n) or MT5 (Bi202 production) | MT175 (n,6n+t) >> |



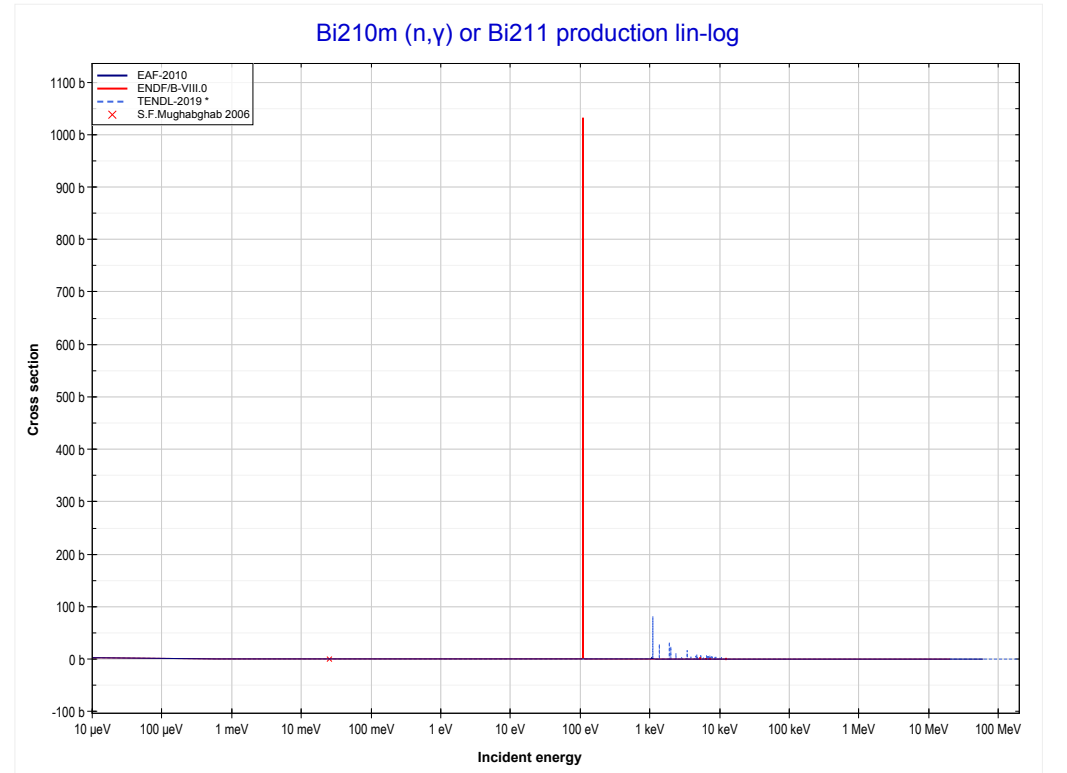
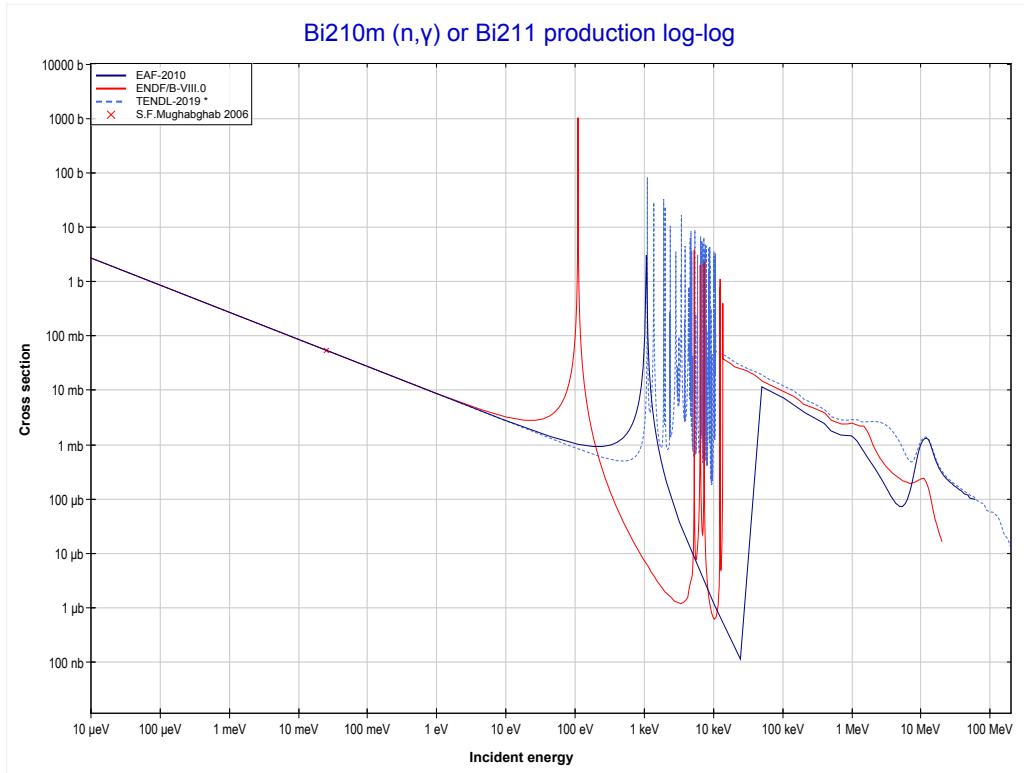
| | |
|------------------|---------------|
| Reaction | Q-Value |
| Bi209(n,8n)Bi202 | -54016.92 keV |

| | | |
|------------------|---|------------------------------------|
| 83-Bi-209 | | |
| << MT161 (n,8n) | MT175 (n,6n+t) or MT5 (Pb201 production) | 83-Bi-210m MT102 (n, γ) >> |



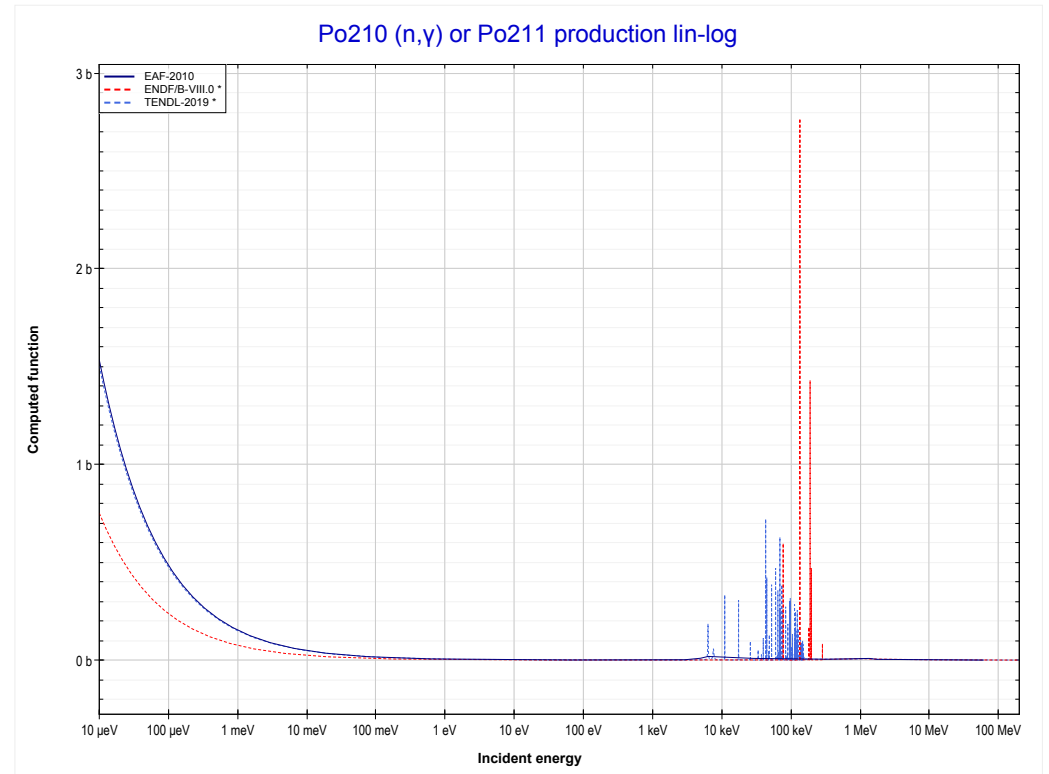
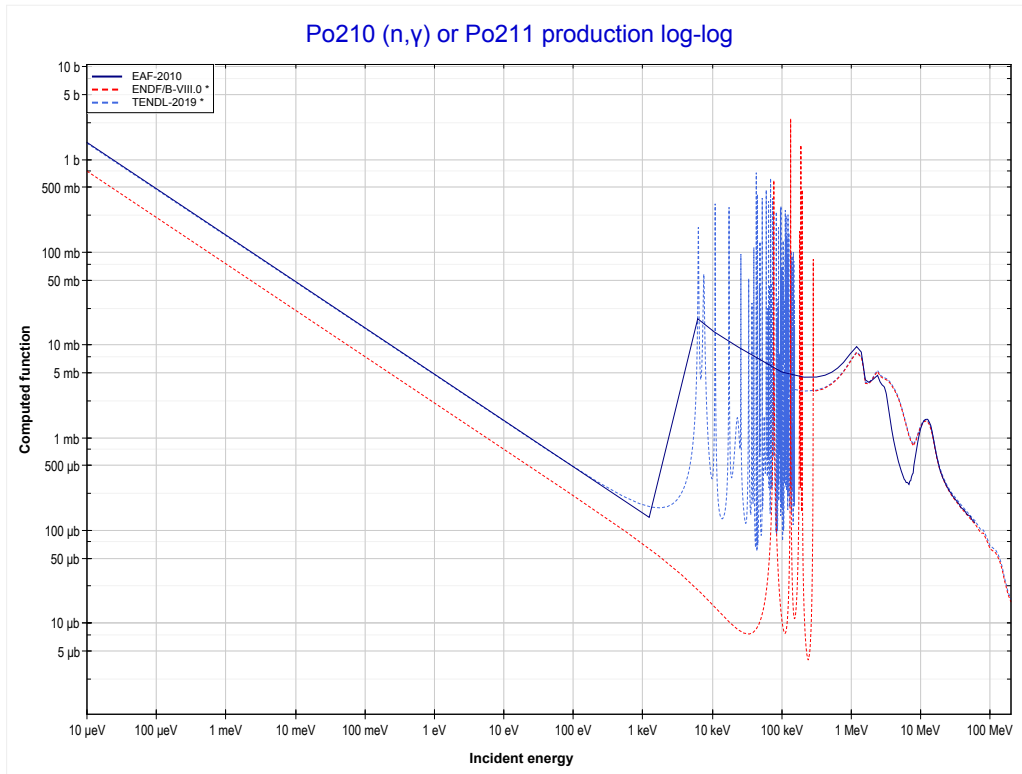
| Reaction | Q-Value |
|--------------------|---------------|
| Bi209(n,6n+t)Pb201 | -48294.10 keV |
| Bi209(n,7n+d)Pb201 | -54551.32 keV |
| Bi209(n,8n+p)Pb201 | -56775.89 keV |

| | | |
|-----------------------------|--|-----------------------------------|
| << 83-Bi-209 | 83-Bi-210m | 84-Po-210 >> |
| << 83-Bi-209 MT175 (n,6n+t) | MT102 (n,γ) or MT5 (Bi211 production) | 84-Po-210 MT102 (n, γ) >> |



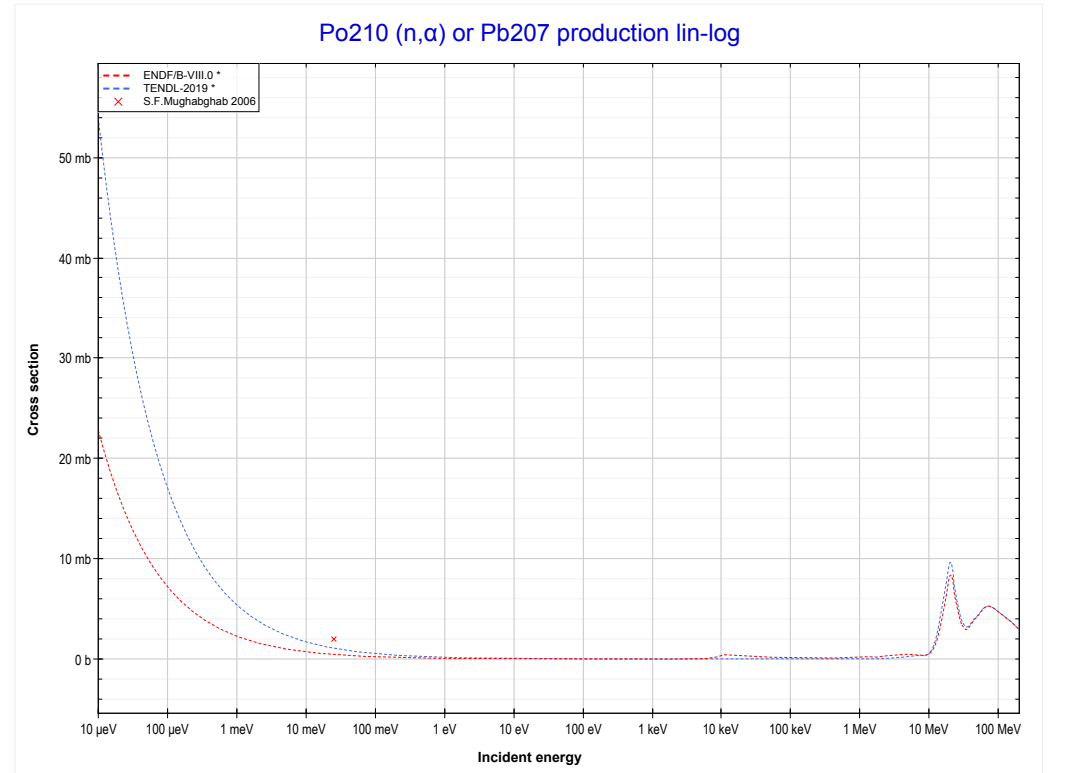
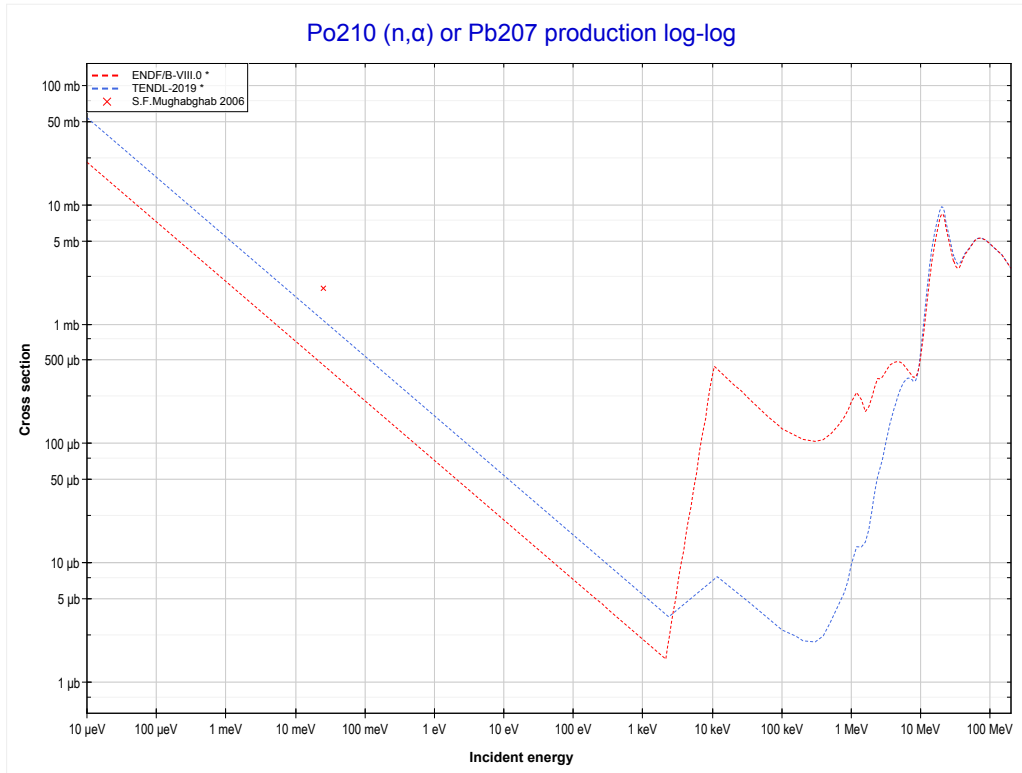
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0540028 b | 0.0539623 b | 0.053964 b | 1.00003 | 0.129395 b | 0.00108593 b | 9.44952E-4 b |
| ENDF/B-VIII.0 | 0.0538078 b | 0.0538078 b | 0.053829 b | 1.0004 | 4.98461 b | 0.00200084 b | 9.48748E-5 b |
| TENDL-2019 | 0.0538035 b | 0.0538035 b | 0.053807 b | 1.00007 | 0.524996 b | 0.00313165 b | 9.873E-4 b |

| | | |
|------------------------------------|--|-------------------------|
| << 83-Bi-210m | 84-Po-210 | 86-Rn-220 >> |
| << 83-Bi-210m MT102 (n, γ) | MT102 (n,γ) or MT5 (Po211 production) | MT107 (n, α) >> |



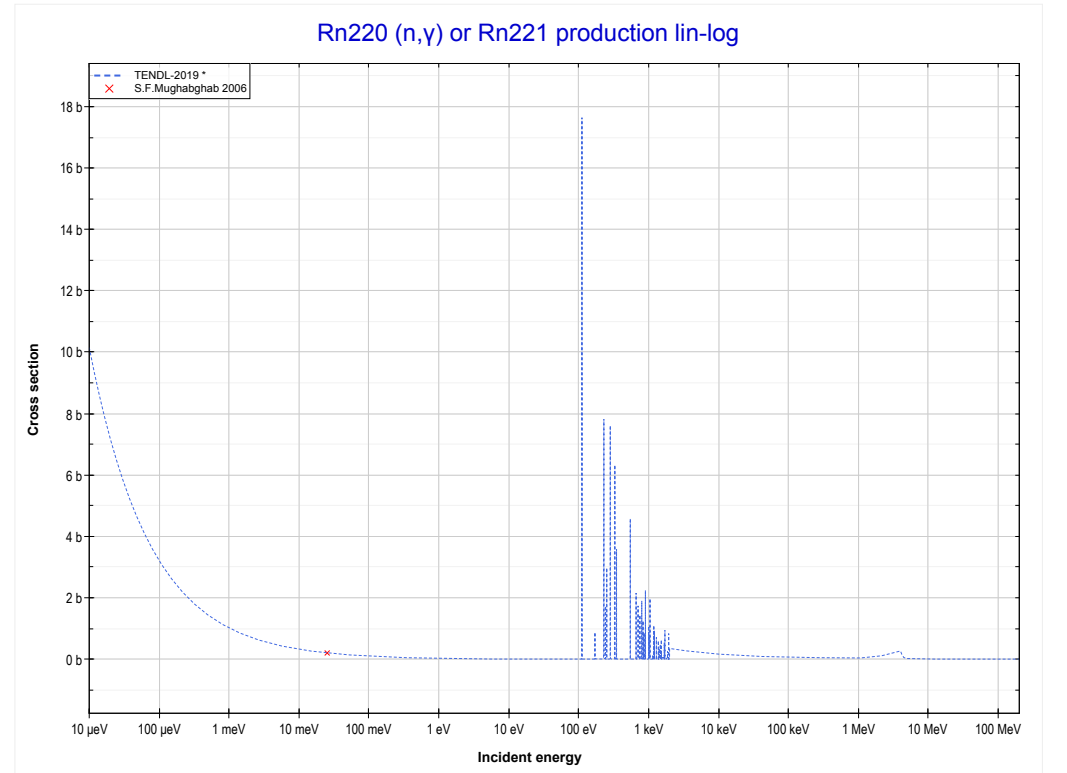
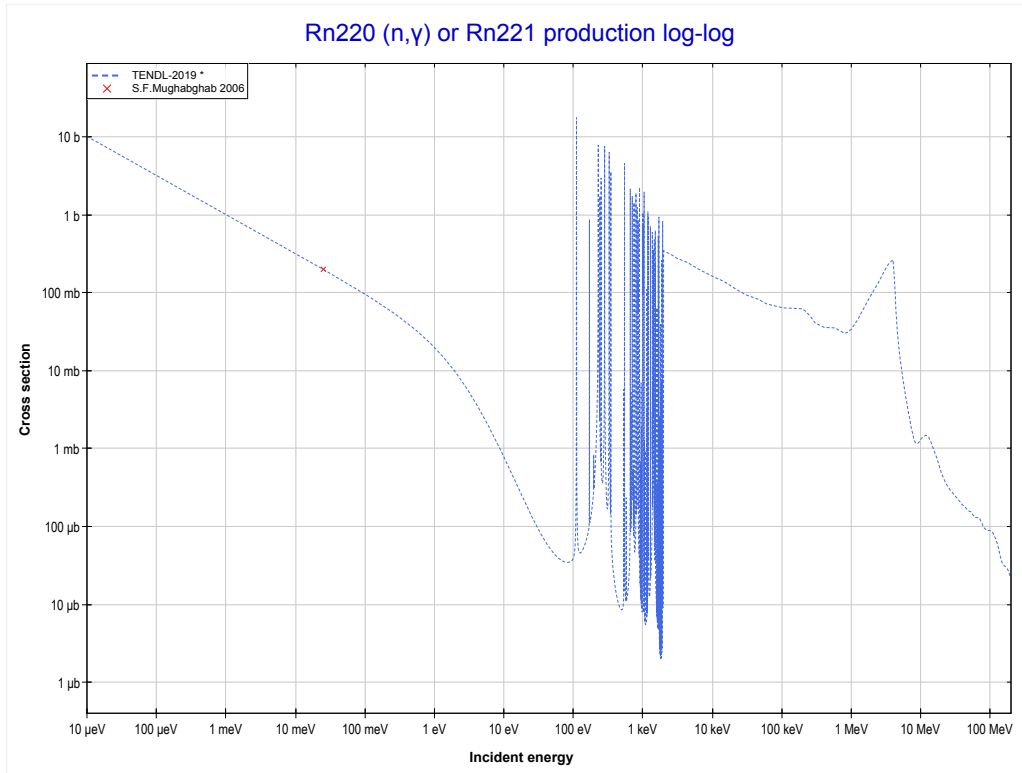
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.0305 b | 0.0304771 b | 0.030478 b | 1.00004 | 0.0479095 b | 0.00476847 b | 0.00135476 b |
| ENDF/B-VIII.0 | 0.0149316 b | 0.0149316 b | 0.014937 b | 1.00039 | 0.00892534 b | 0.00452104 b | 0.00124723 b |
| TENDL-2019 | 0.0298853 b | 0.0298853 b | 0.029887 b | 1.00006 | 0.0290142 b | 0.004654 b | 0.00129951 b |

| | | |
|-------------------------|--|-----------------------------------|
| << 83-Bi-209 | 84-Po-210 | 90-Th-230 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Pb207 production) | 86-Rn-220 MT102 (n, γ) >> |



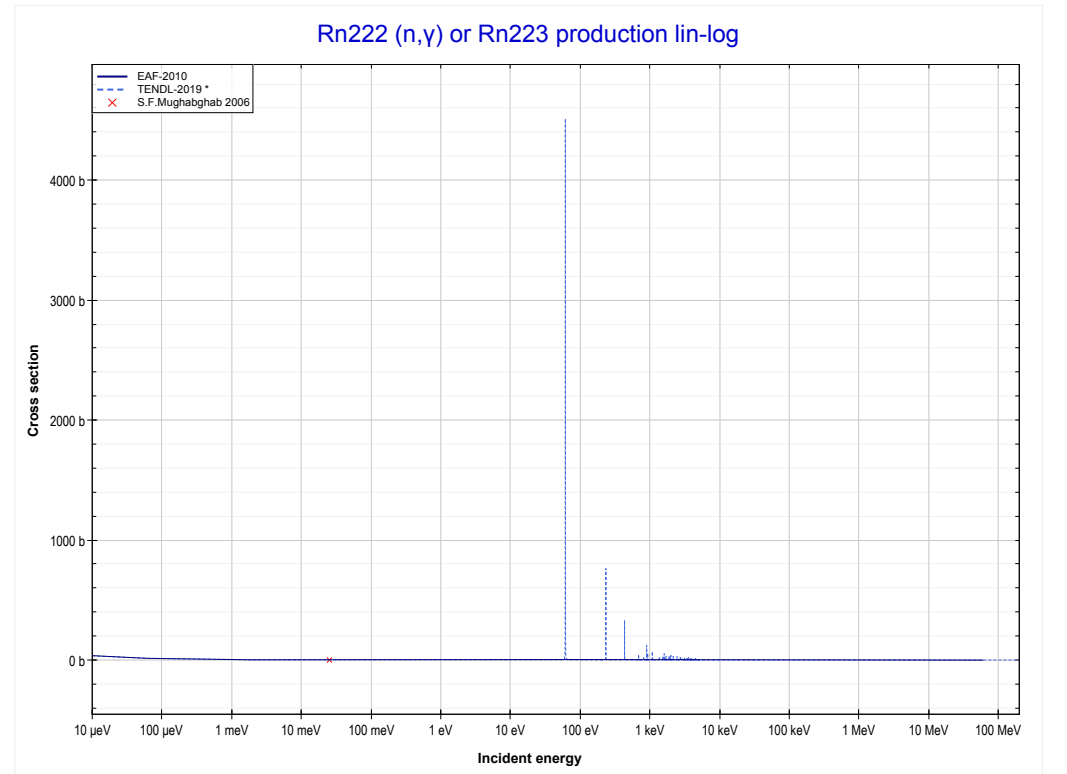
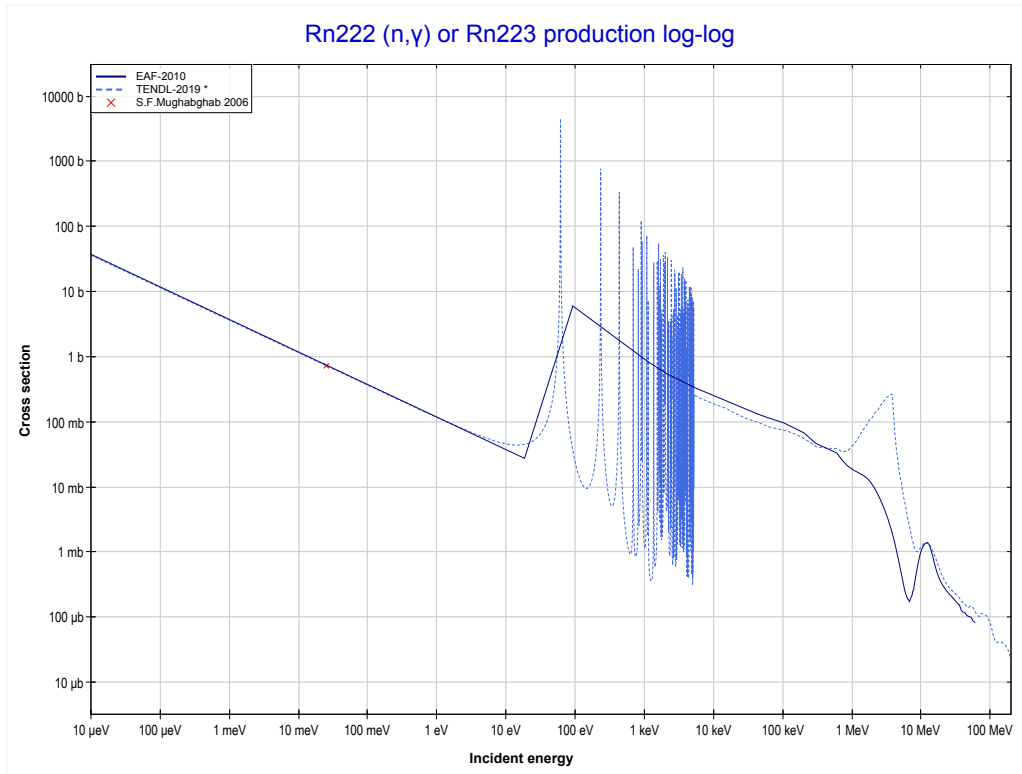
| Reaction | Q-Value |
|--------------------------|---------------|
| Po210(n, α)Pb207 | 12145.30 keV |
| Po210(n,p+t)Pb207 | -7668.56 keV |
| Po210(n,n+He3)Pb207 | -8432.32 keV |
| Po210(n,2d)Pb207 | -11701.23 keV |
| Po210(n,n+p+d)Pb207 | -13925.79 keV |
| Po210(n,2n+2p)Pb207 | -16150.36 keV |

| | | |
|-----------------------------------|--|-----------------------------------|
| << 84-Po-210 | 86-Rn-220 | 86-Rn-222 >> |
| << 84-Po-210 MT107 (n, α) | MT102 (n,γ) or MT5 (Rn221 production) | 86-Rn-222 MT102 (n, γ) >> |



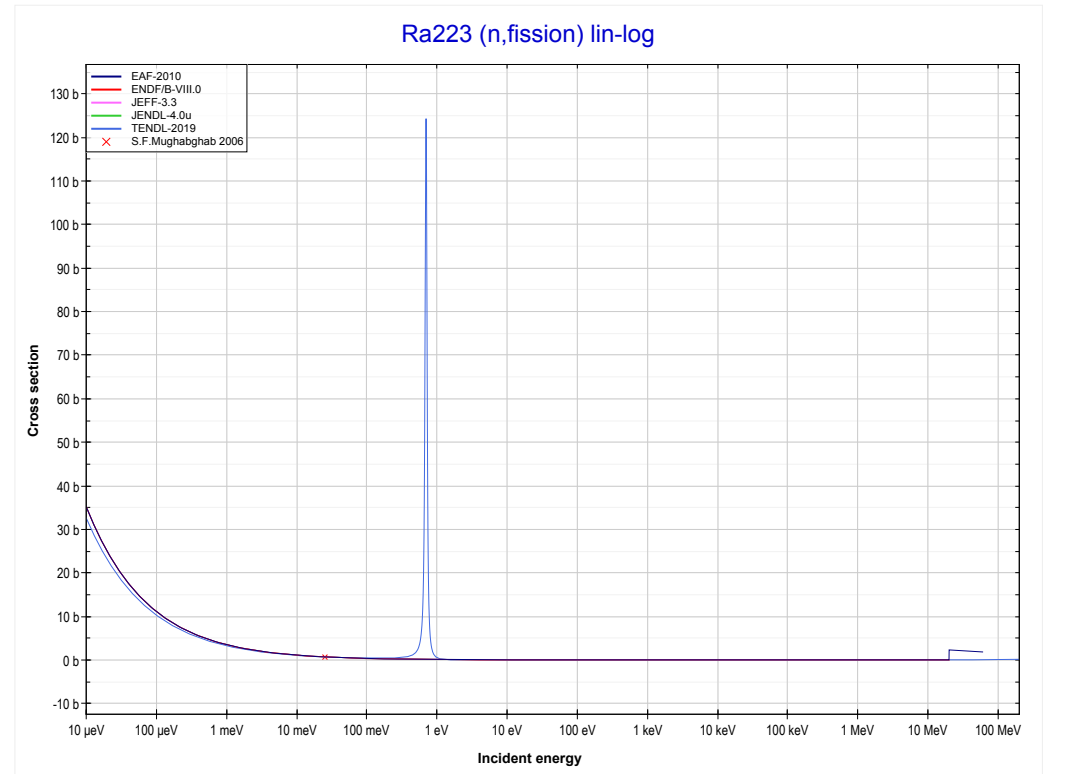
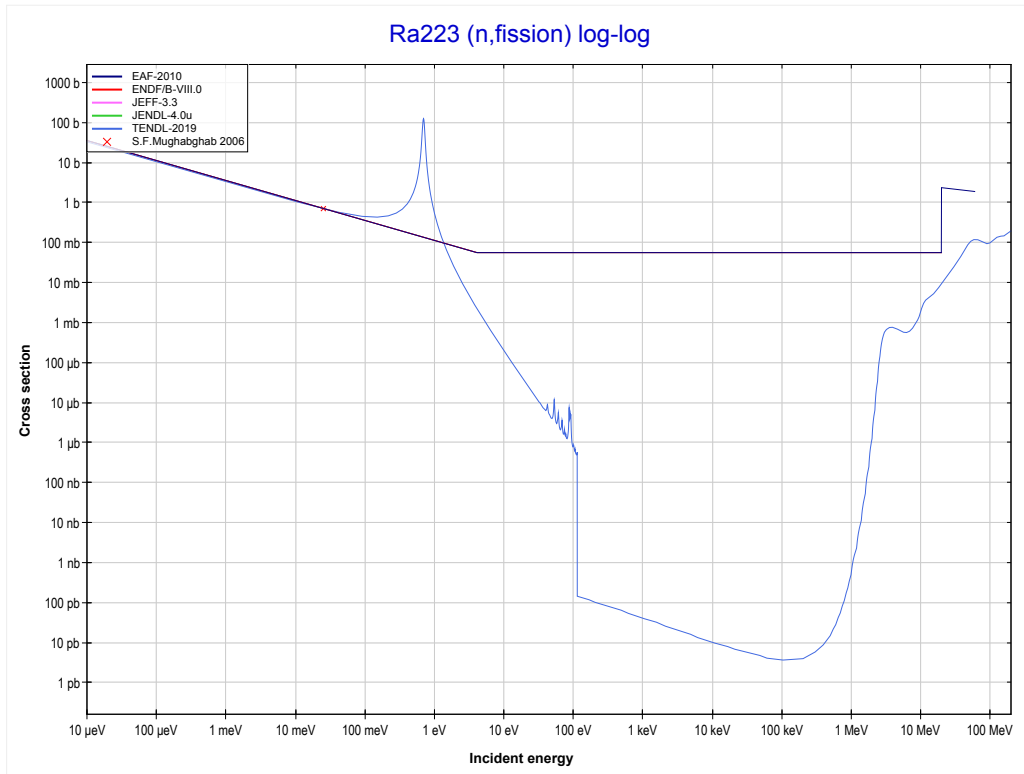
| | |
|--------------------------|----------------|
| Reaction | Q-Value |
| Rn220(n, γ)Rn221 | 4212.42 keV |

| | | |
|-----------------------------------|--|-------------------------------|
| << 86-Rn-220 | 86-Rn-222 | 88-Ra-223 >> |
| << 86-Rn-220 MT102 (n, γ) | MT102 (n,γ) or MT5 (Rn223 production) | 88-Ra-223 MT18 (n,fission) >> |



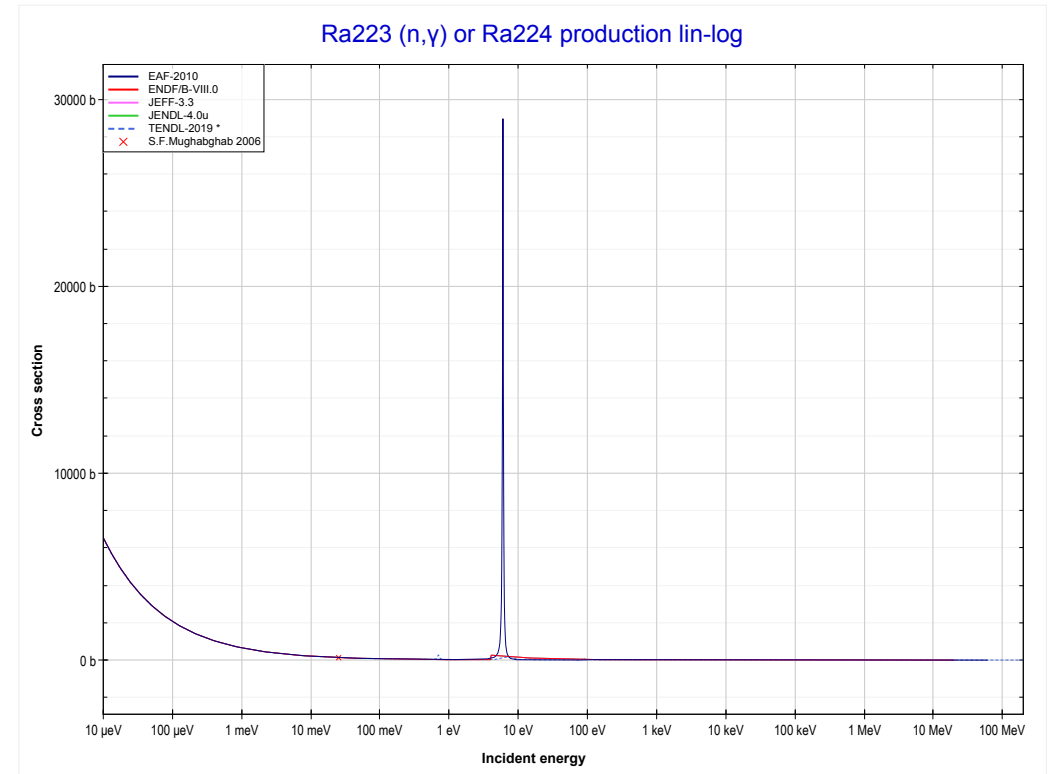
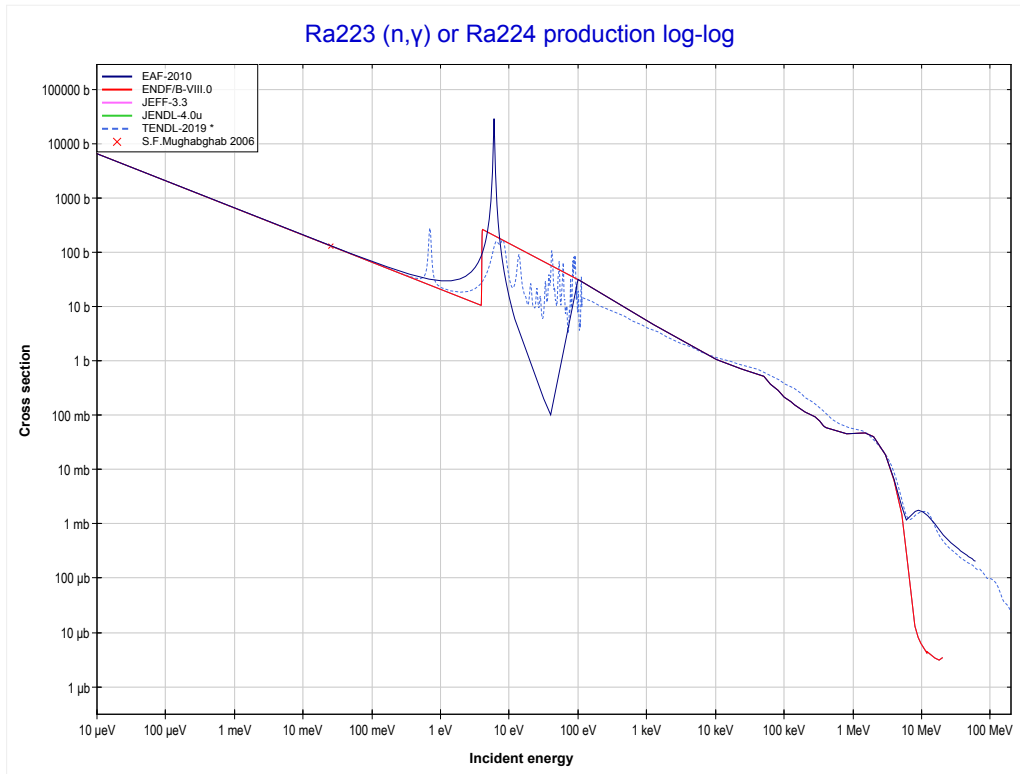
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.74 b | 0.739445 b | 0.73947 b | 1.00004 | 9.94431 b | 0.0189246 b | 0.00106574 b |
| TENDL-2019 | 0.716906 b | 0.716906 b | 0.71711 b | 1.00028 | 37.3483 b | 0.0922041 b | 0.00116186 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 83-Bi-209 | 88-Ra-223 | 88-Ra-226 >> |
| << 86-Rn-222 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



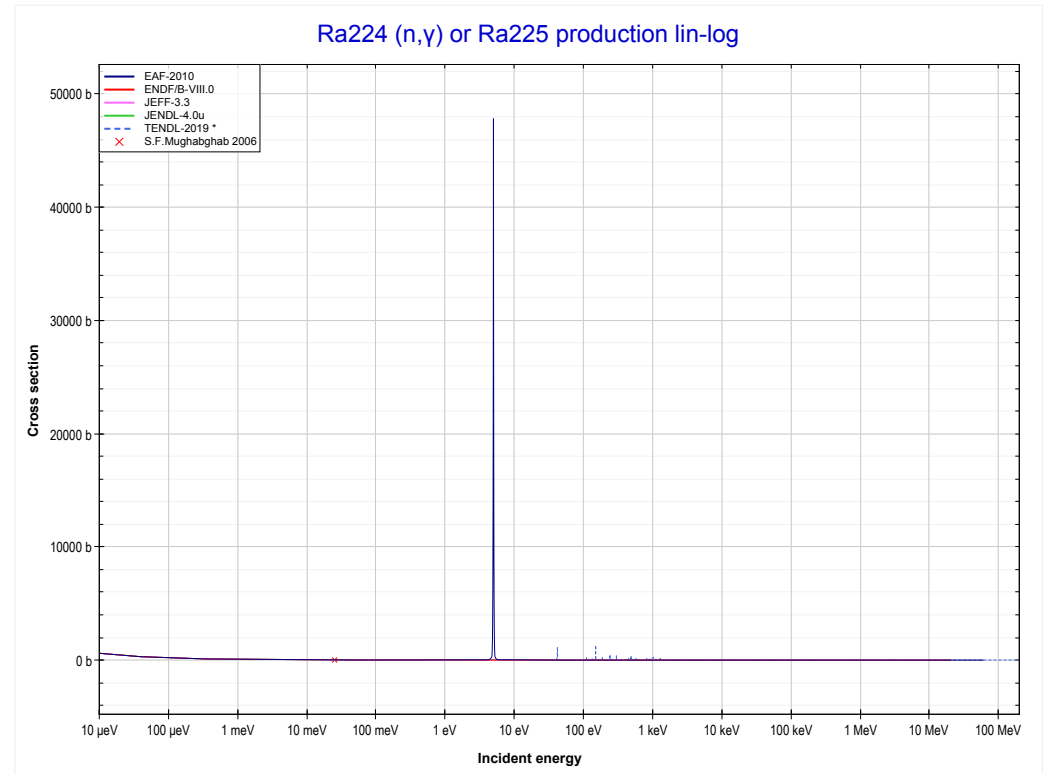
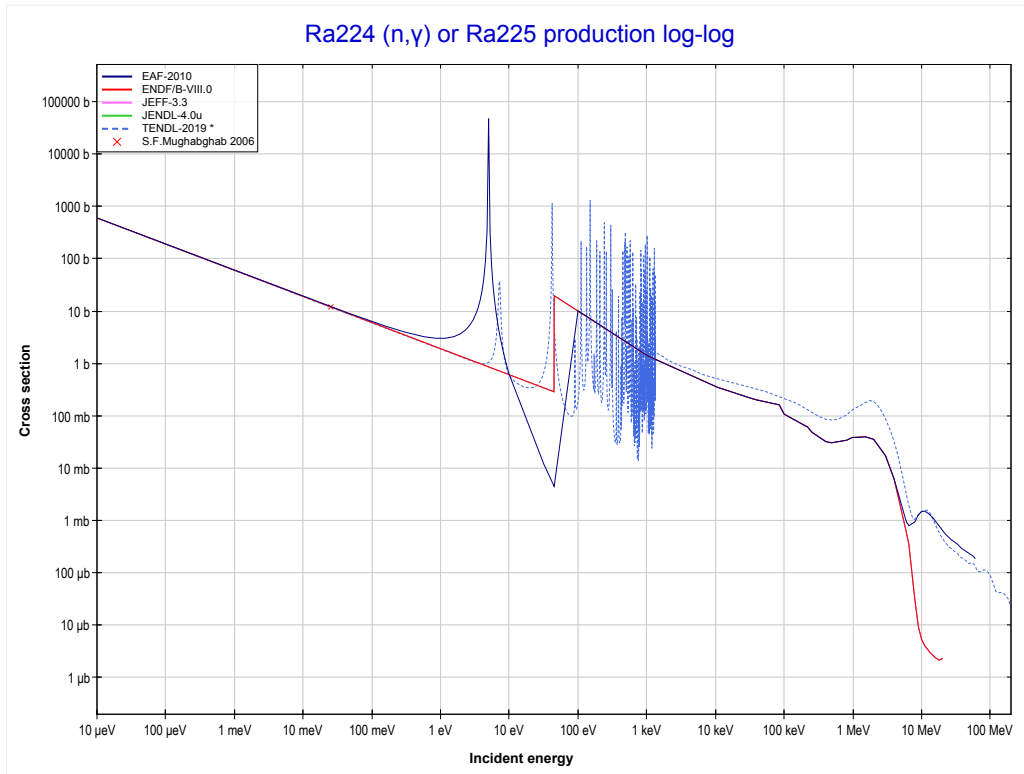
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0.700035 b | 0.699527 b | 0.69957 b | 1.00008 | 0.766622 b | 0.0557 b | 0.0557 b |
| ENDF/B-VIII.0 | 0.700177 b | 0.700177 b | 0.70048 b | 1.00043 | 0.766969 b | 0.0556999 b | 0.0557 b |
| JEFF-3.3 | 0.700177 b | 0.700177 b | 0.70048 b | 1.00043 | 0.766969 b | 0.0556999 b | 0.0557 b |
| JENDL-4.0u | 0.700177 b | 0.700177 b | 0.70048 b | 1.00043 | 0.766969 b | 0.0556999 b | 0.0557 b |
| TENDL-2019 | 0.697264 b | 0.697264 b | 0.72915 b | 1.04572 | 13.3115 b | 1.79964E-4 b | 0.00453264 b |

| | | |
|---------------------|--|-----------------------------------|
| << 86-Rn-222 | 88-Ra-223 | 88-Ra-224 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Ra224 production) | 88-Ra-224 MT102 (n, γ) >> |



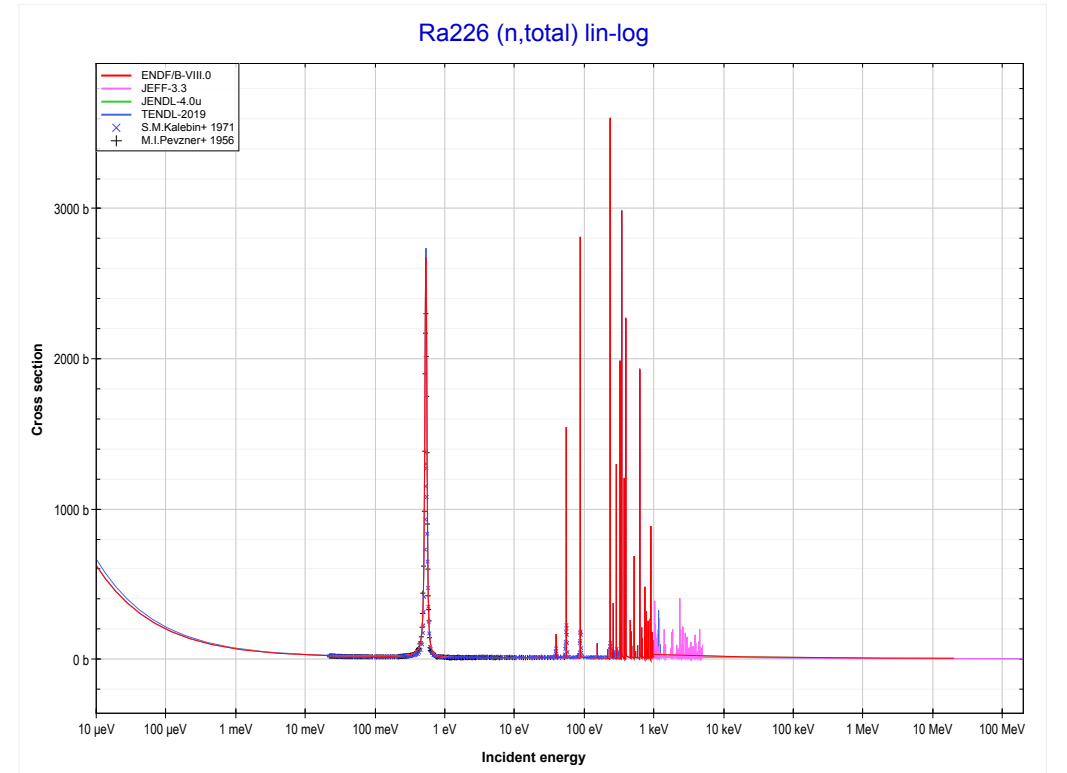
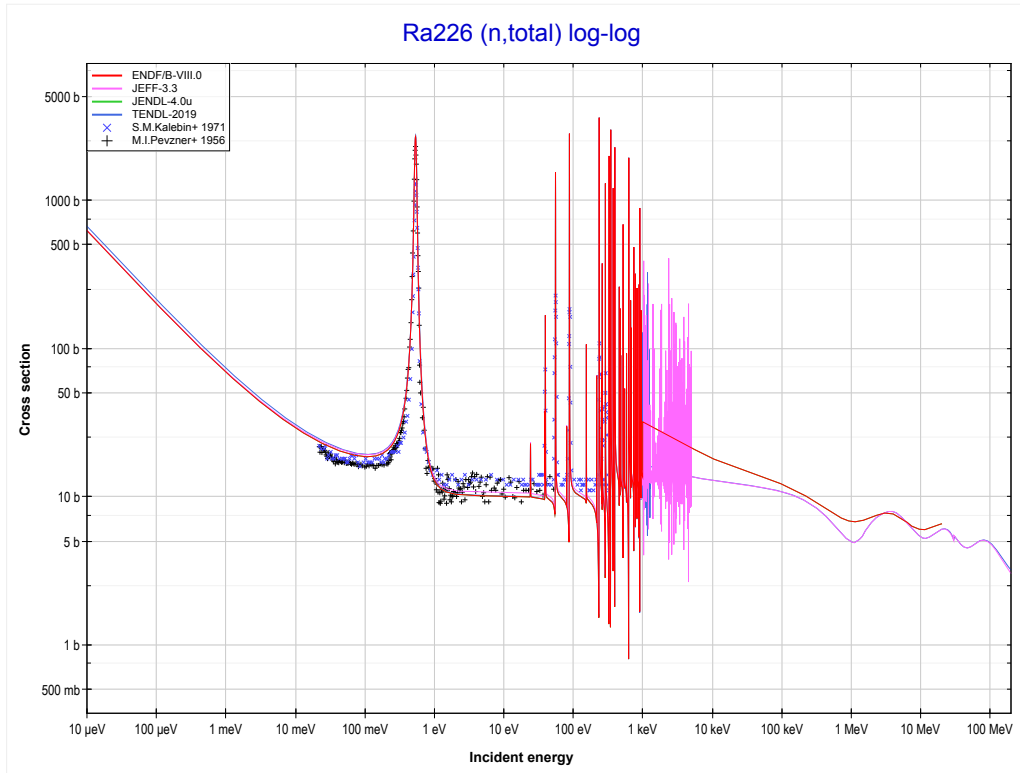
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 131.2 b | 131.103 b | 131.76 b | 1.00506 | 1582.62 b | 0.0462181 b | 0.0011831 b |
| ENDF/B-VIII.0 | 130.033 b | 130.033 b | 130.09 b | 1.00044 | 435.926 b | 0.0461267 b | 3.73493E-6 b |
| JEFF-3.3 | 130.033 b | 130.033 b | 130.09 b | 1.00044 | 435.926 b | 0.0461267 b | 3.73493E-6 b |
| JENDL-4.0u | 130.033 b | 130.033 b | 130.09 b | 1.00044 | 435.926 b | 0.0461267 b | 3.73493E-6 b |
| TENDL-2019 | 129.361 b | 129.361 b | 129.42 b | 1.00045 | 246.678 b | 0.0615655 b | 0.00124011 b |

| | | |
|-----------------------------------|--|----------------------------|
| << 88-Ra-223 | 88-Ra-224 | 88-Ra-226 >> |
| << 88-Ra-223 MT102 (n, γ) | MT102 (n,γ) or MT5 (Ra225 production) | 88-Ra-226 MT1 (n,total) >> |



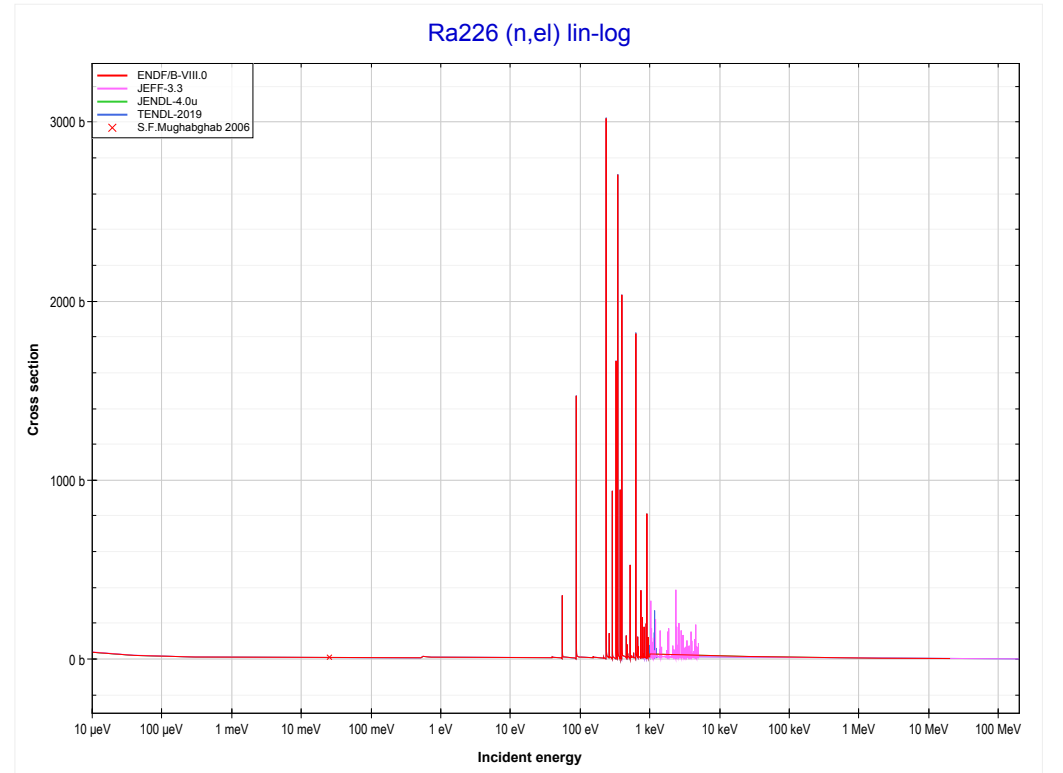
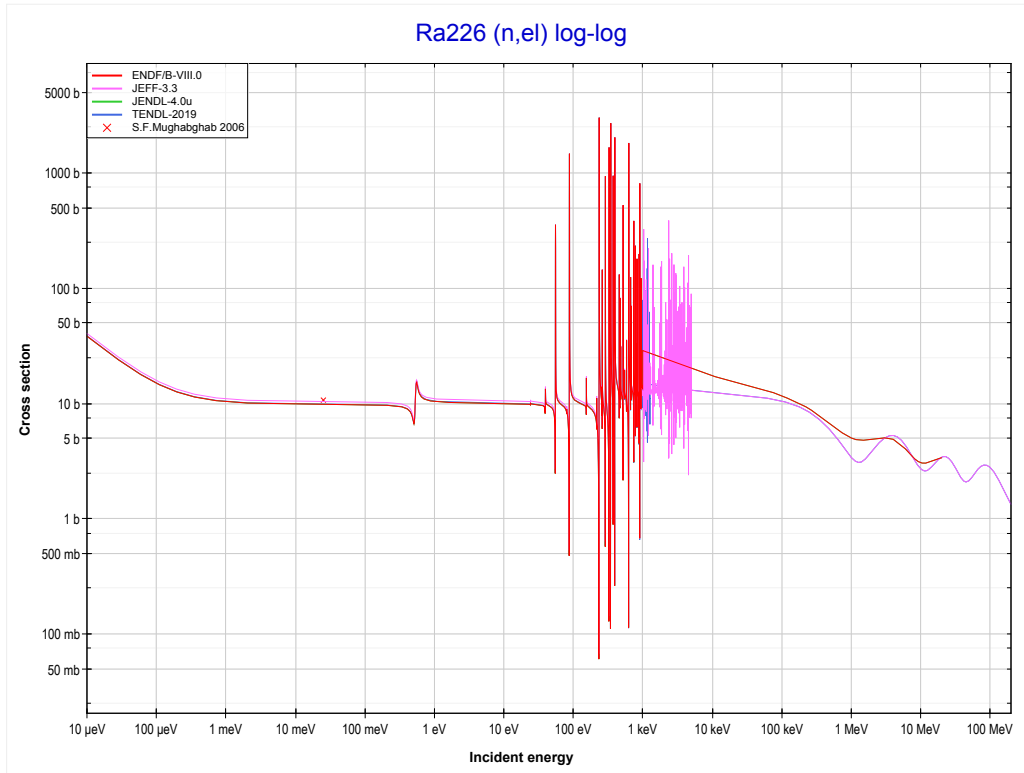
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 12.1332 b | 12.1243 b | 12.197 b | 1.00601 | 1014.16 b | 0.0315272 b | 0.0011825 b |
| ENDF/B-VIII.0 | 12.003 b | 12.003 b | 12.008 b | 1.00043 | 28.8716 b | 0.0314756 b | 2.74345E-6 b |
| JEFF-3.3 | 12.003 b | 12.003 b | 12.008 b | 1.00043 | 28.8716 b | 0.0314756 b | 2.74345E-6 b |
| JENDL-4.0u | 12.003 b | 12.003 b | 12.008 b | 1.00043 | 28.8716 b | 0.0314756 b | 2.74345E-6 b |
| TENDL-2019 | 11.9563 b | 11.9563 b | 11.953 b | 0.99973 | 53.4176 b | 0.117022 b | 0.00120796 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 83-Bi-209 | 88-Ra-226 | 90-Th-230 >> |
| << 88-Ra-224 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



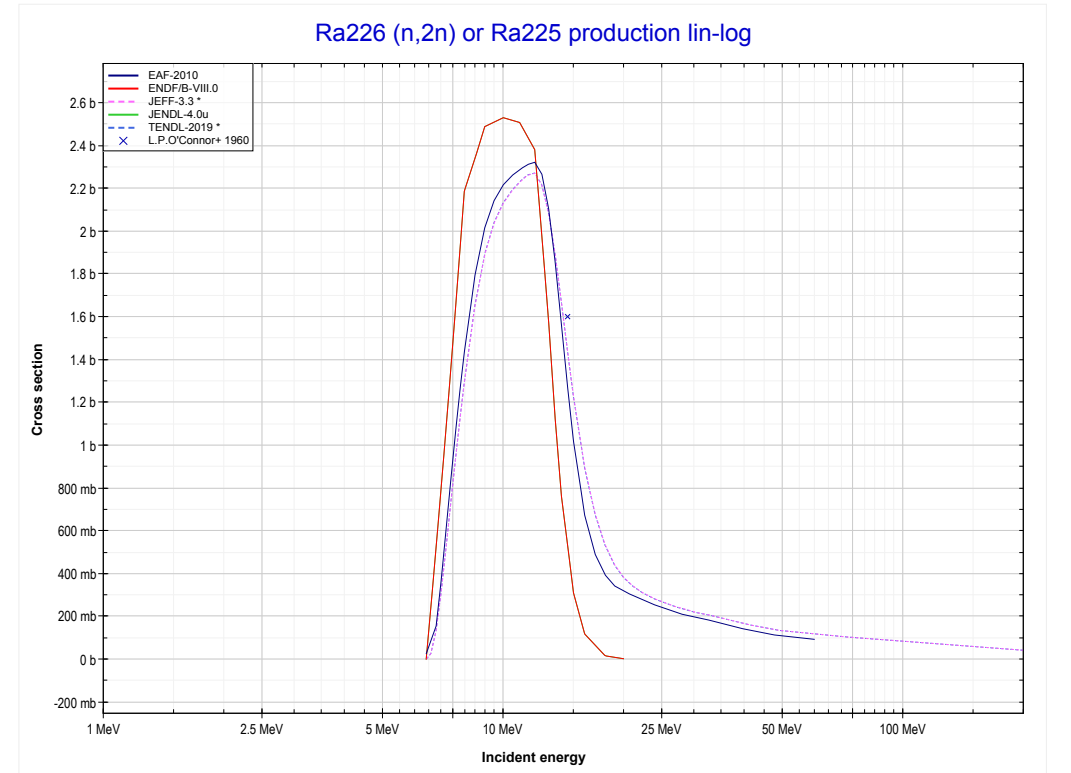
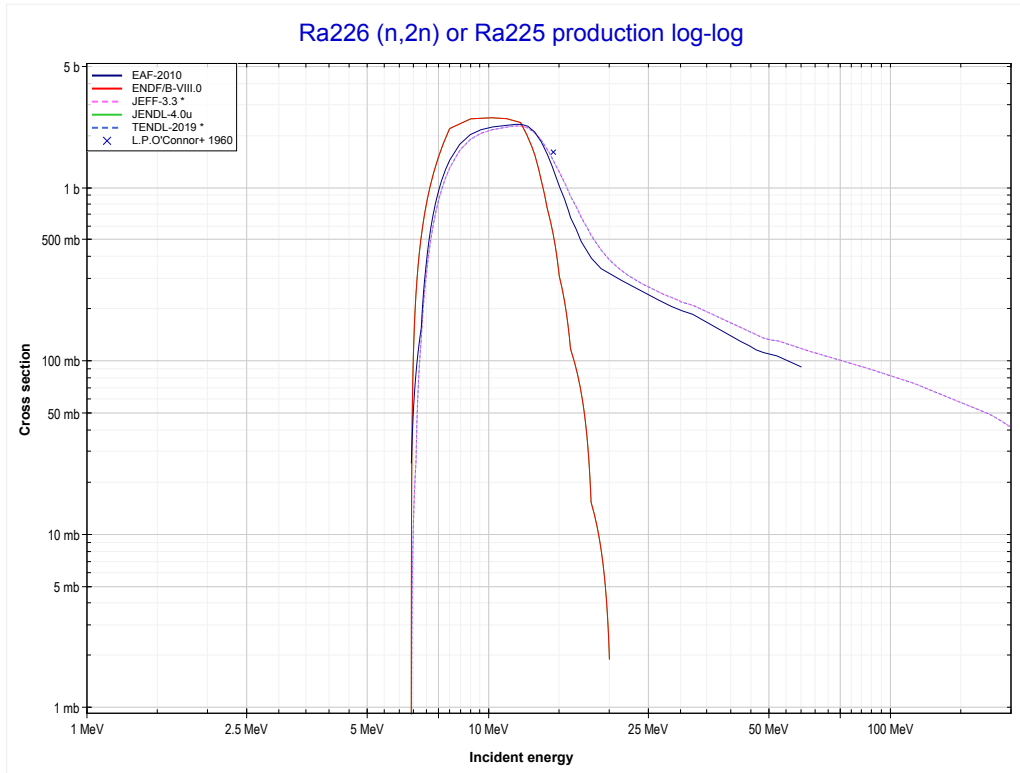
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 22.613 b | 22.613 b | 24.697 b | 1.09215 | 494.855 b | 7.5673 b | 6.15657 b |
| JEFF-3.3 | 23.1763 b | 23.1763 b | 25.331 b | 1.09296 | 471.801 b | 6.76643 b | 5.38685 b |
| JENDL-4.0u | 22.613 b | 22.613 b | 24.697 b | 1.09215 | 494.855 b | 7.5673 b | 6.15657 b |
| TENDL-2019 | 23.6062 b | 23.6062 b | 25.749 b | 1.09076 | 476.908 b | 6.76608 b | 5.38685 b |

| | | |
|------------------|------------------------|----------------|
| << 83-Bi-209 | 88-Ra-226 | 90-Th-229 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



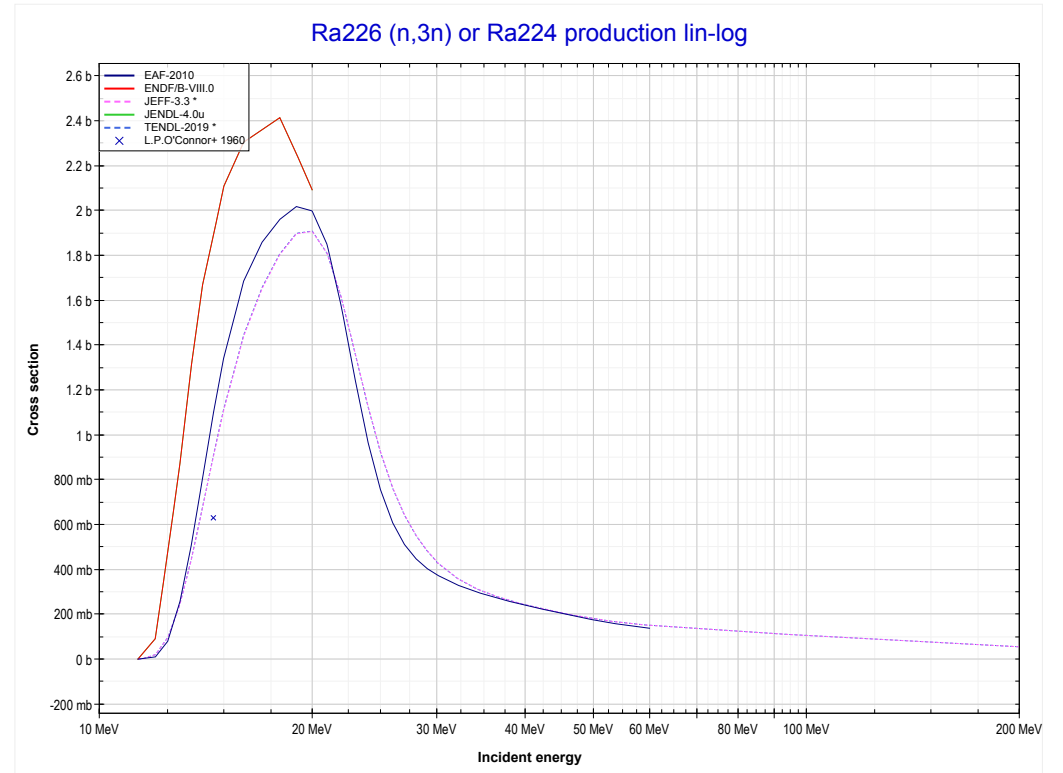
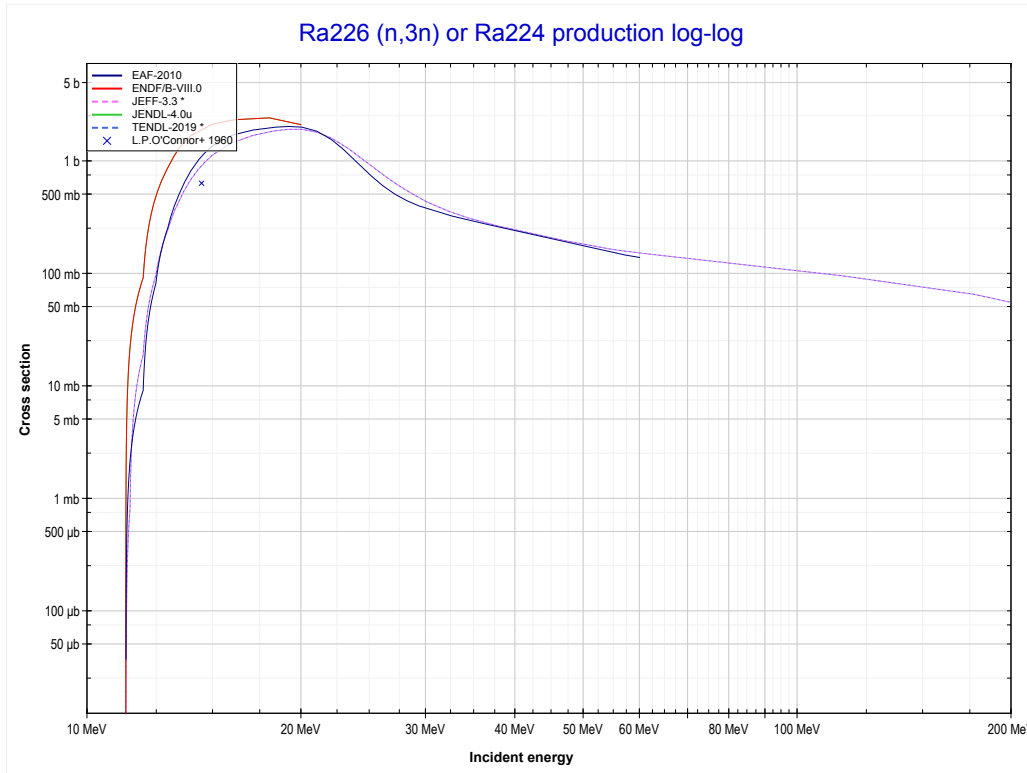
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.82248 b | 9.82248 b | 11.065 b | 1.12645 | 212.959 b | 5.51236 b | 3.13107 b |
| JEFF-3.3 | 10.3817 b | 10.3817 b | 11.695 b | 1.1265 | 192.131 b | 4.71444 b | 2.76805 b |
| JENDL-4.0u | 9.82248 b | 9.82248 b | 11.065 b | 1.12645 | 212.959 b | 5.51236 b | 3.13107 b |
| TENDL-2019 | 9.87311 b | 9.87311 b | 11.121 b | 1.12641 | 185.945 b | 4.71524 b | 2.76805 b |

| | | |
|--------------------|--|----------------|
| << 83-Bi-209 | 88-Ra-226 | 90-Th-232 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Ra225 production) | MT17 (n,3n) >> |



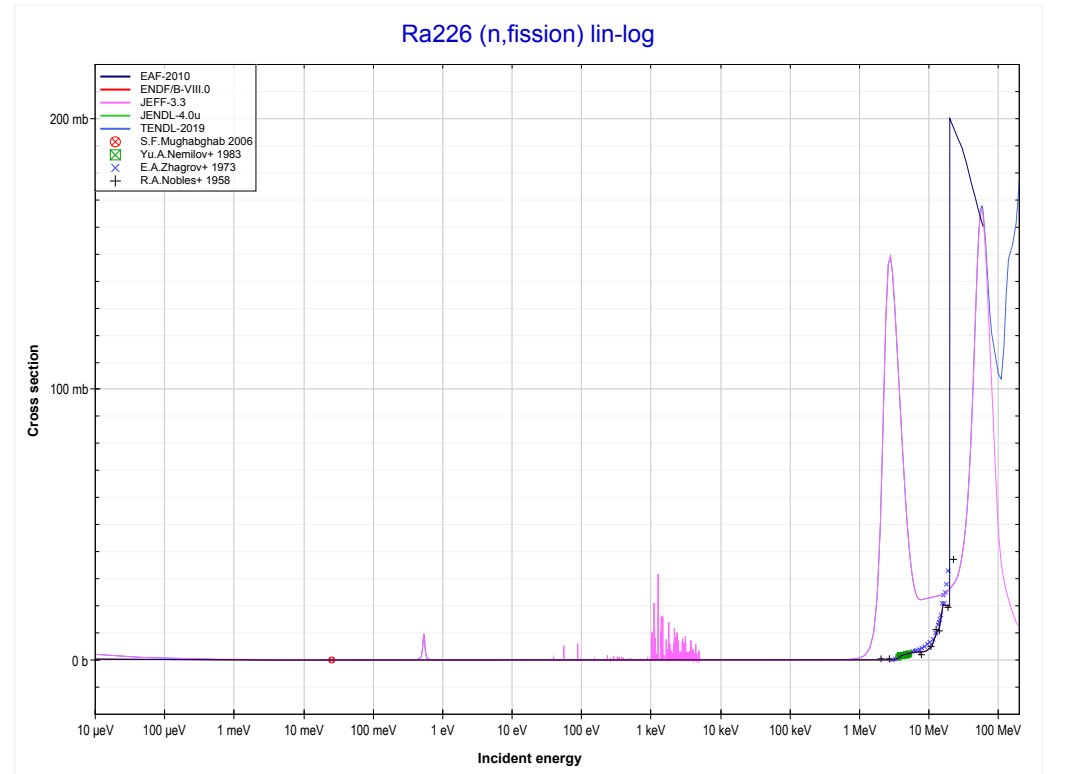
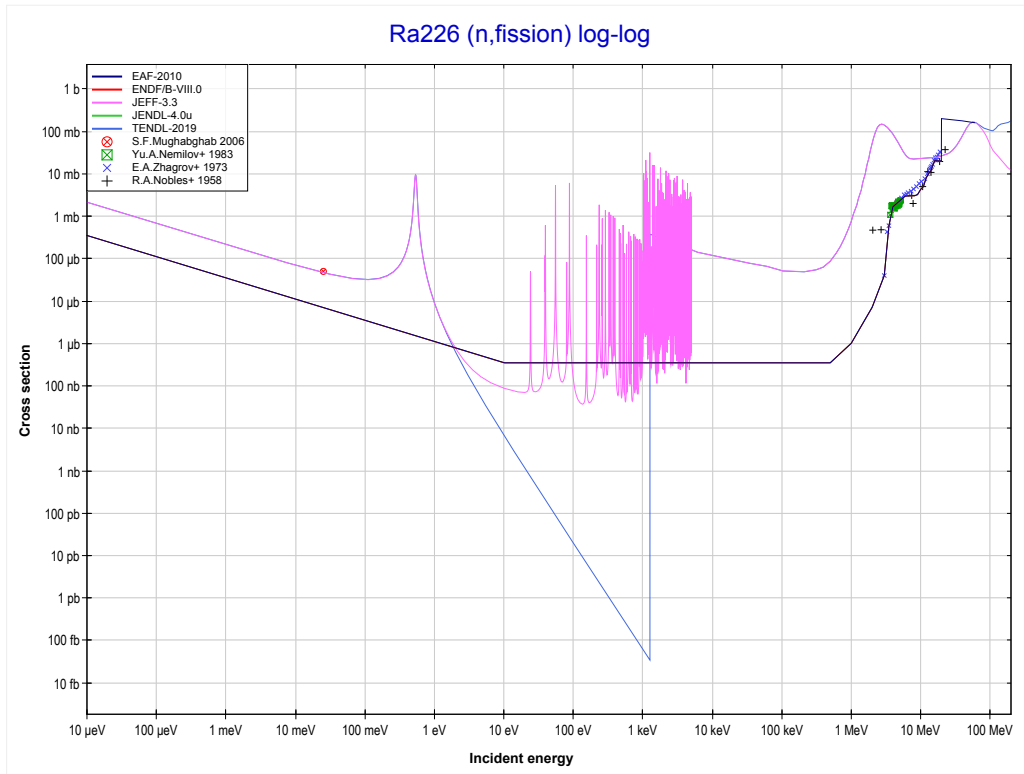
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0230302 b | 1.55851 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0323536 b | 0.75571 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0211193 b | 1.66471 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0323536 b | 0.75571 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.021178 b | 1.66161 b |

| | | |
|----------------|--|---------------------|
| << 83-Bi-209 | 88-Ra-226 | 90-Th-232 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Ra224 production) | MT18 (n,fission) >> |



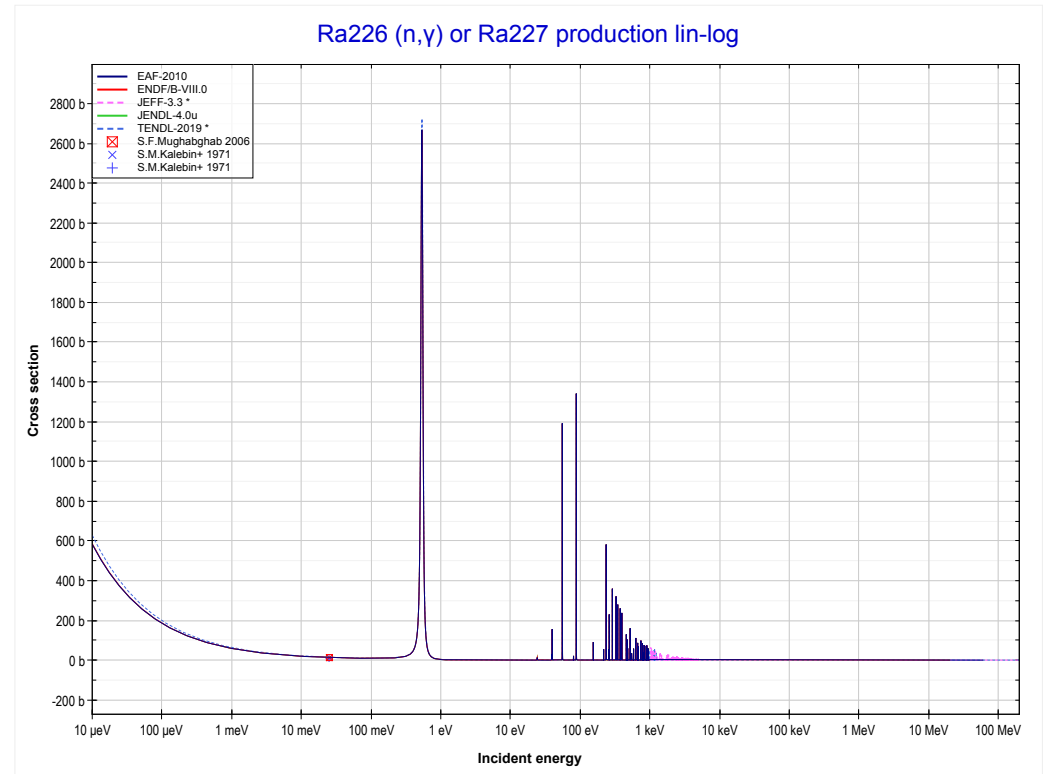
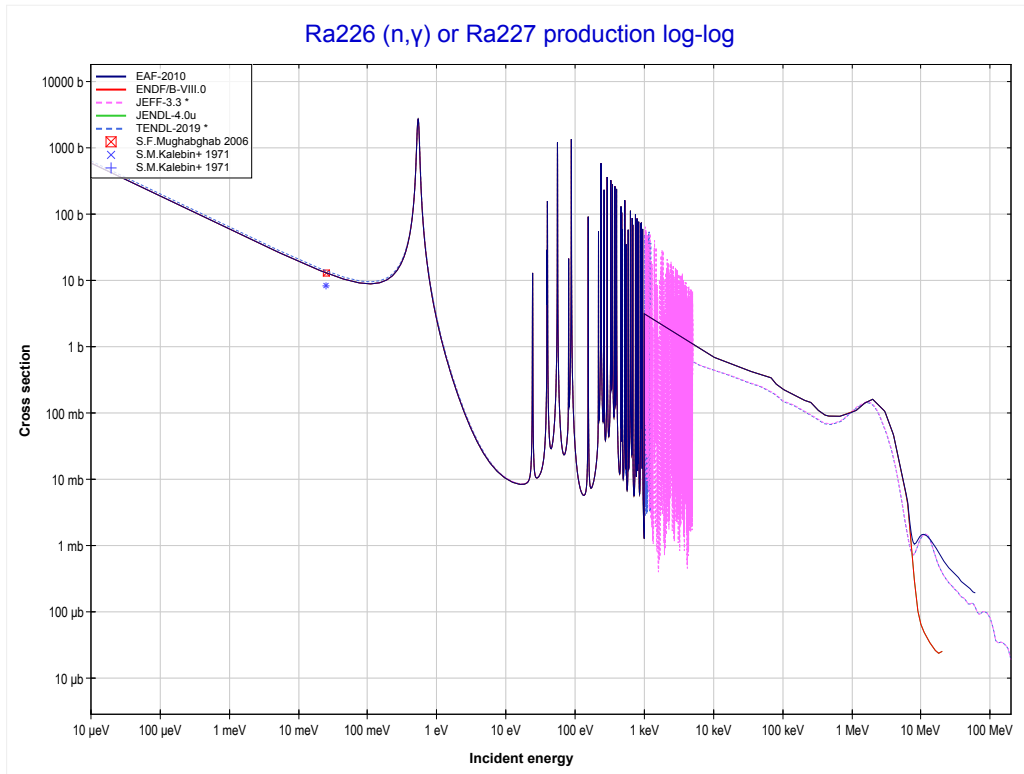
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 2.42406E-4 b | 0.809039 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 5.13393E-4 b | 1.6699 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13909E-4 b | 0.675516 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 5.13393E-4 b | 1.6699 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 2.14941E-4 b | 0.67927 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 88-Ra-223 | 88-Ra-226 | 88-Ra-228 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT102 (n, γ) >> |



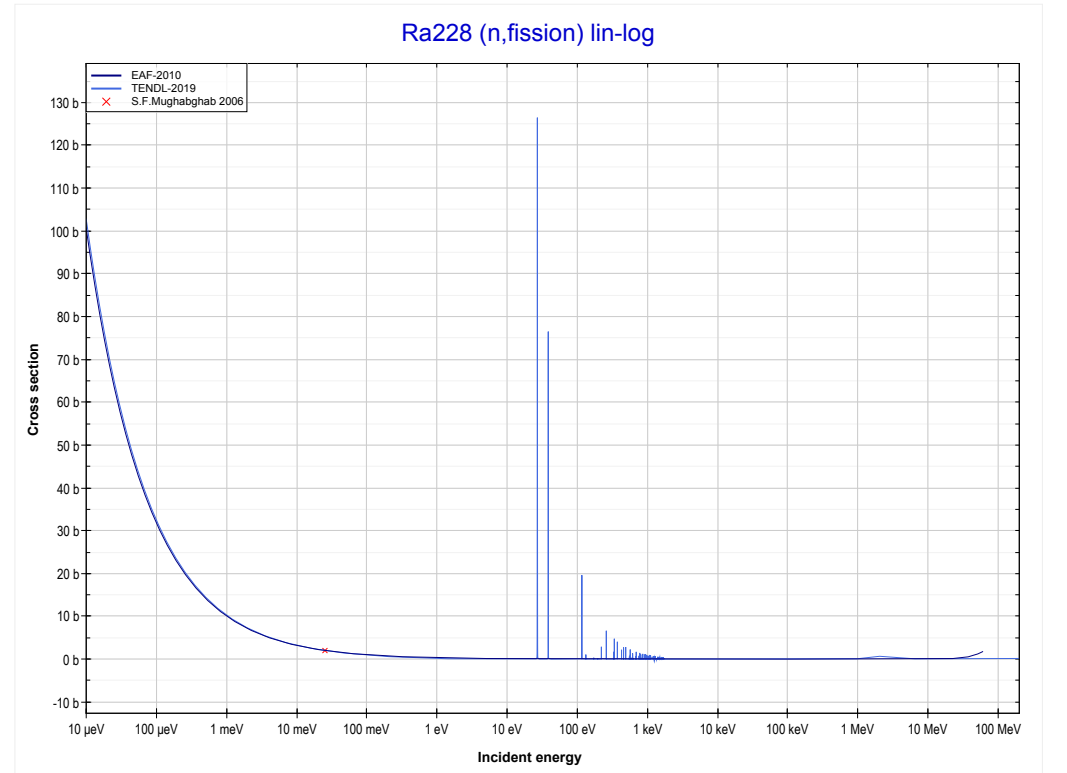
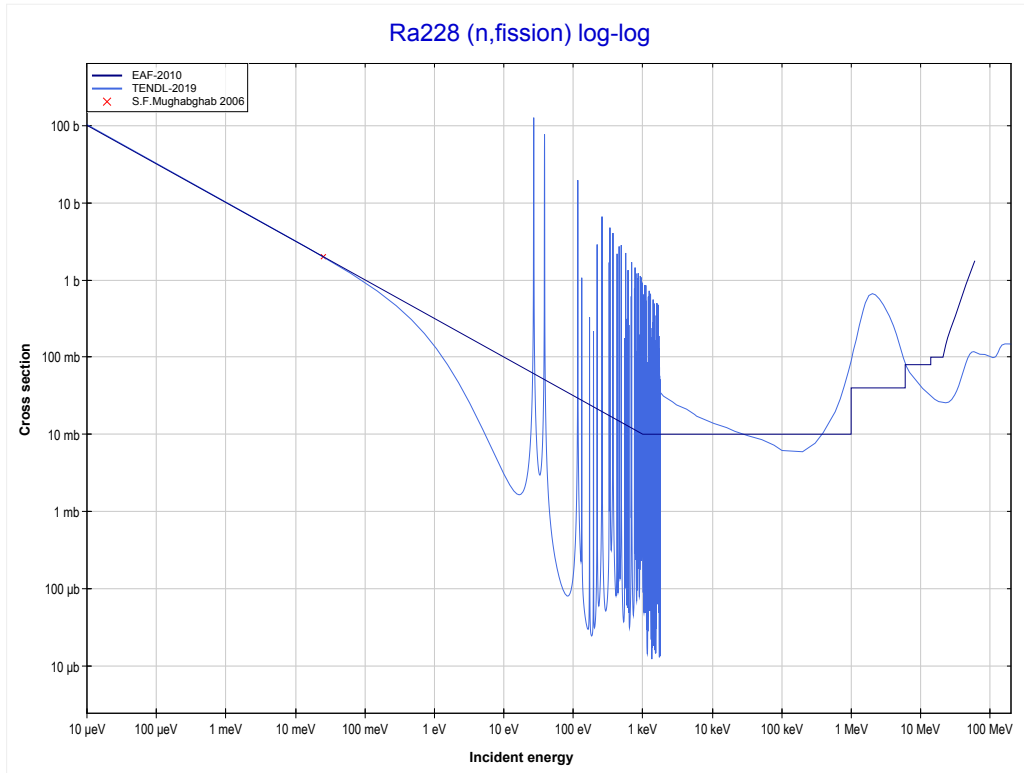
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 7.00008E-6 b | 6.995E-6 b | 6.993E-6 b | 0.99974 | 5.65871E-6 b | 3.48403E-4 b | 0.0115 b |
| ENDF/B-VIII.0 | 7.00116E-6 b | 7.00116E-6 b | 7.0022E-6 b | 1.00014 | 5.65903E-6 b | 3.48475E-4 b | 0.0115 b |
| JEFF-3.3 | 4.66886E-5 b | 4.66886E-5 b | 4.9693E-5 b | 1.06435 | 0.00166687 b | 0.0420097 b | 0.0237788 b |
| JENDL-4.0u | 7.00116E-6 b | 7.00116E-6 b | 7.0022E-6 b | 1.00014 | 5.65903E-6 b | 3.48475E-4 b | 0.0115 b |
| TENDL-2019 | 4.68887E-5 b | 4.68887E-5 b | 4.9971E-5 b | 1.06574 | 0.00153381 b | 0.0418936 b | 0.0237877 b |

| | | |
|---------------------|--|-------------------------------|
| << 88-Ra-224 | 88-Ra-226 | 88-Ra-228 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Ra227 production) | 88-Ra-228 MT18 (n,fission) >> |



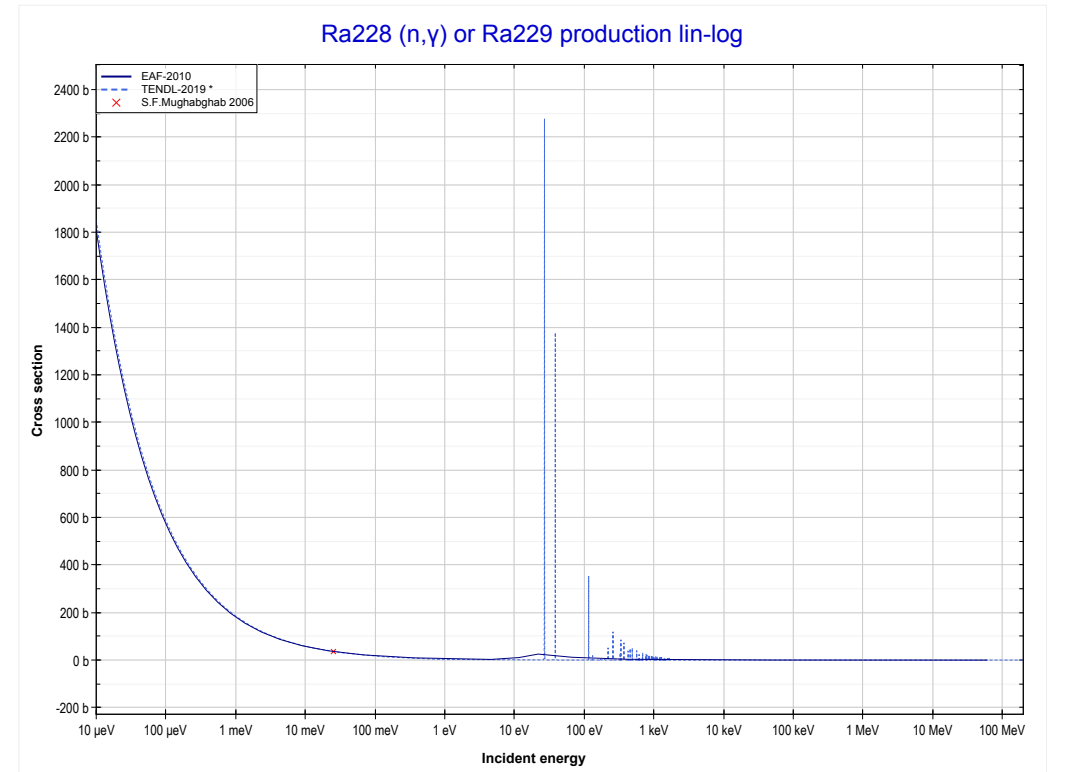
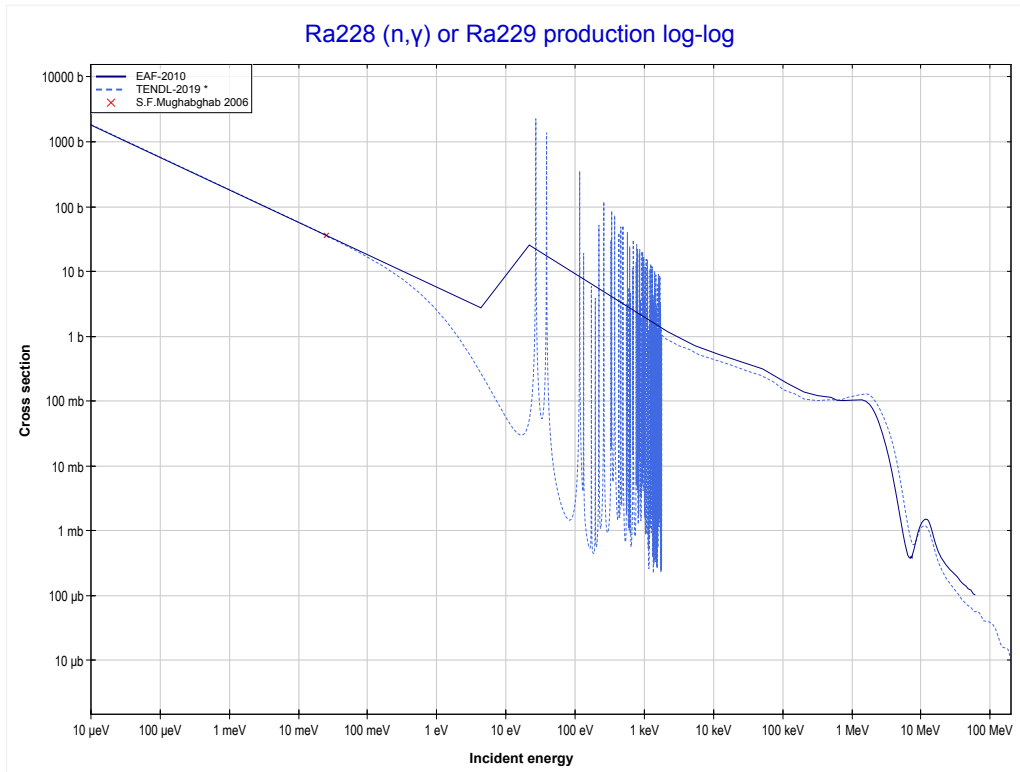
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 12.792 b | 12.7847 b | 13.626 b | 1.06597 | 281.857 b | 0.108383 b | 0.0011833 b |
| ENDF/B-VIII.0 | 12.7905 b | 12.7905 b | 13.632 b | 1.06581 | 281.854 b | 0.108362 b | 3.19705E-5 b |
| JEFF-3.3 | 12.7945 b | 12.7945 b | 13.636 b | 1.06574 | 279.644 b | 0.0903593 b | 0.00110288 b |
| JENDL-4.0u | 12.7905 b | 12.7905 b | 13.632 b | 1.06581 | 281.854 b | 0.108362 b | 3.19705E-5 b |
| TENDL-2019 | 13.7331 b | 13.7331 b | 14.627 b | 1.06509 | 290.931 b | 0.0880609 b | 0.0011 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 88-Ra-226 | 88-Ra-228 | 89-Ac-227 >> |
| << 88-Ra-226 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



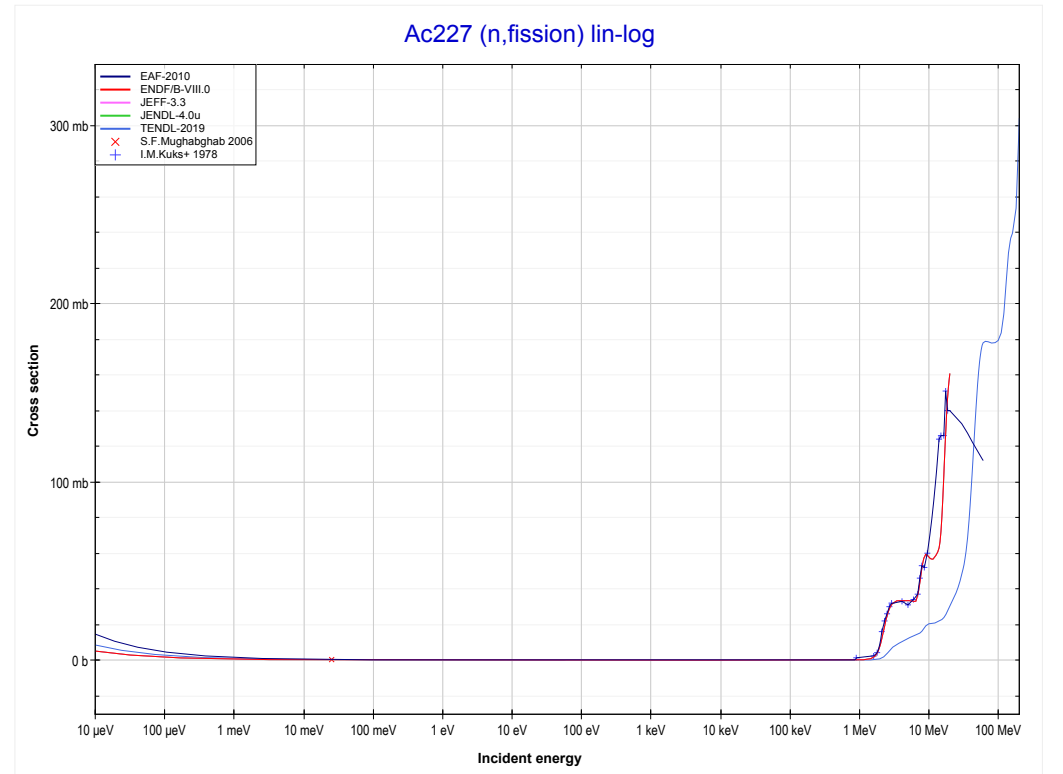
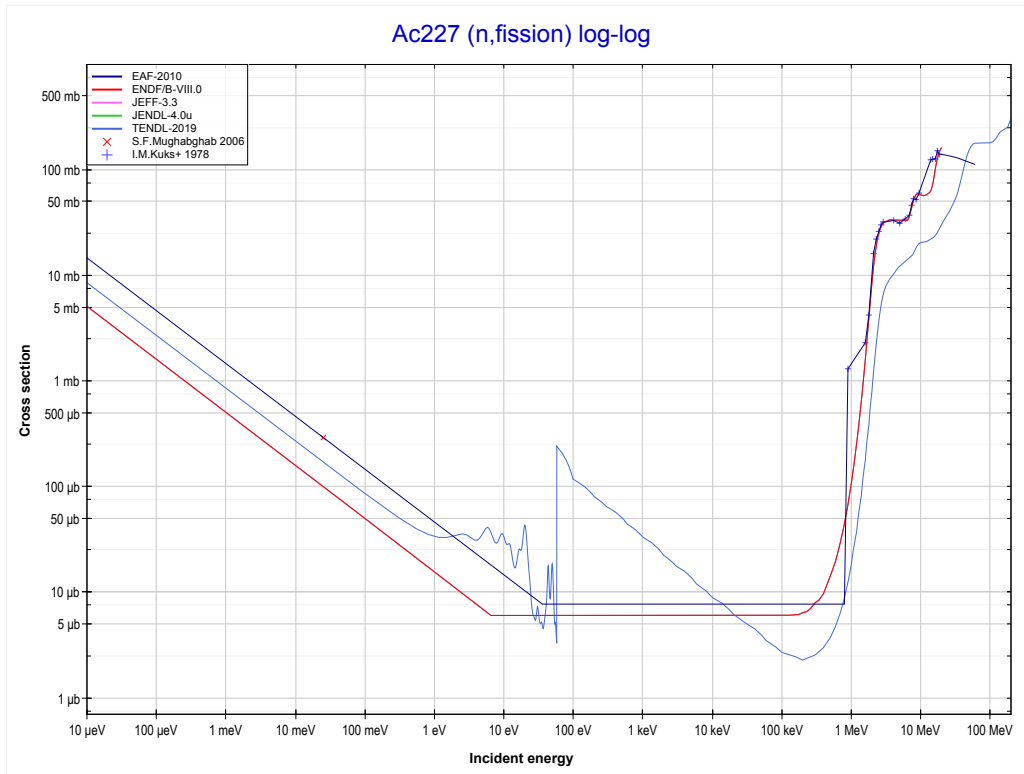
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2 b | 1.9985 b | 1.9986 b | 1.00003 | 0.926056 b | 0.0318494 b | 0.08 b |
| TENDL-2019 | 1.9904 b | 1.9904 b | 1.9663 b | 0.98787 | 1.94471 b | 0.277081 b | 0.0314755 b |

| | | |
|---------------------|--|-------------------------------|
| << 88-Ra-226 | 88-Ra-228 | 89-Ac-227 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Ra229 production) | 89-Ac-227 MT18 (n,fission) >> |



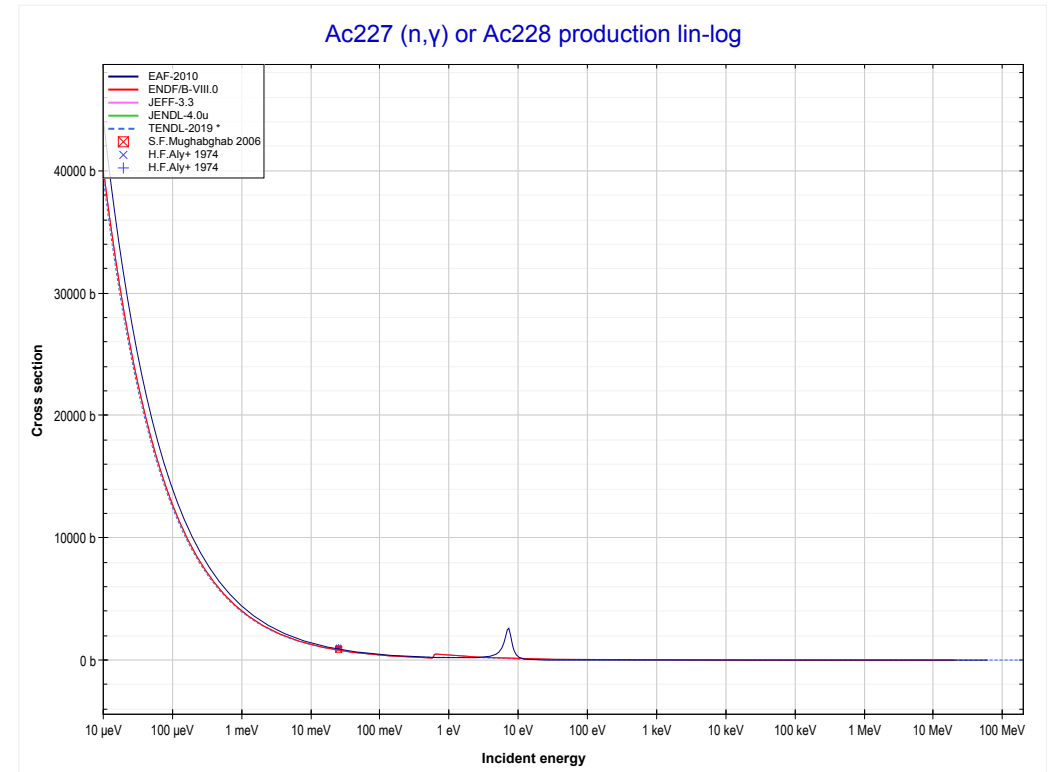
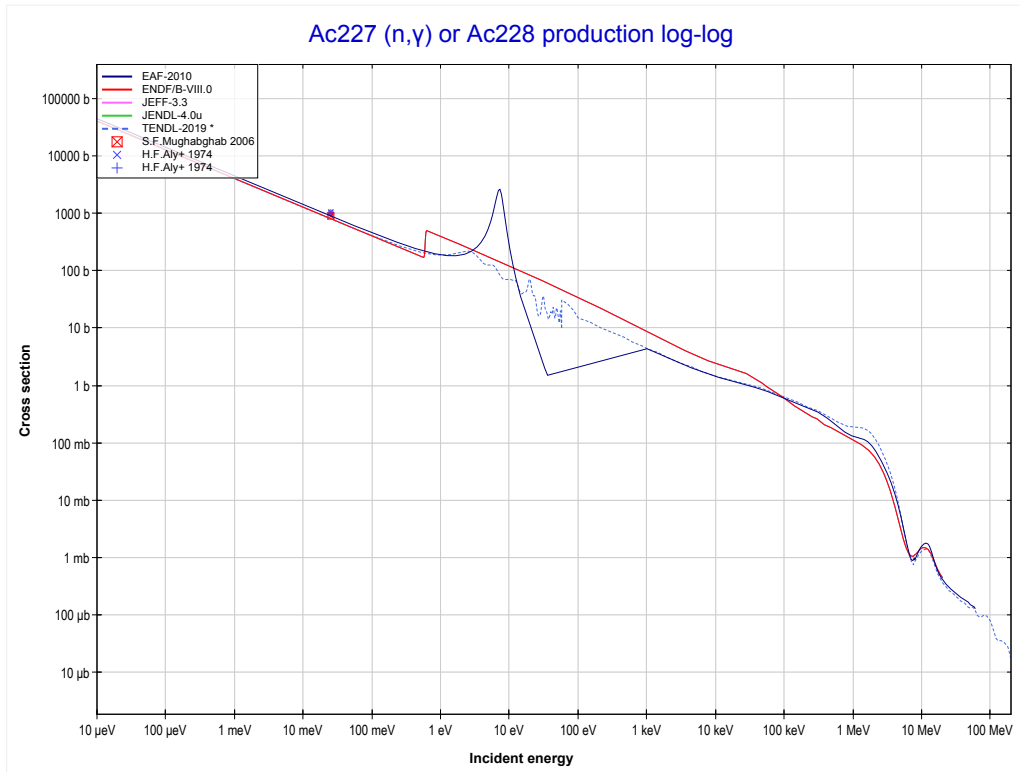
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 36 b | 35.973 b | 35.974 b | 1.00004 | 65.6744 b | 0.0775401 b | 0.00111484 b |
| TENDL-2019 | 35.8487 b | 35.8487 b | 35.414 b | 0.98787 | 35.7444 b | 0.0912221 b | 7.94672E-4 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 88-Ra-228 | 89-Ac-227 | 90-Th-227 >> |
| << 88-Ra-228 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



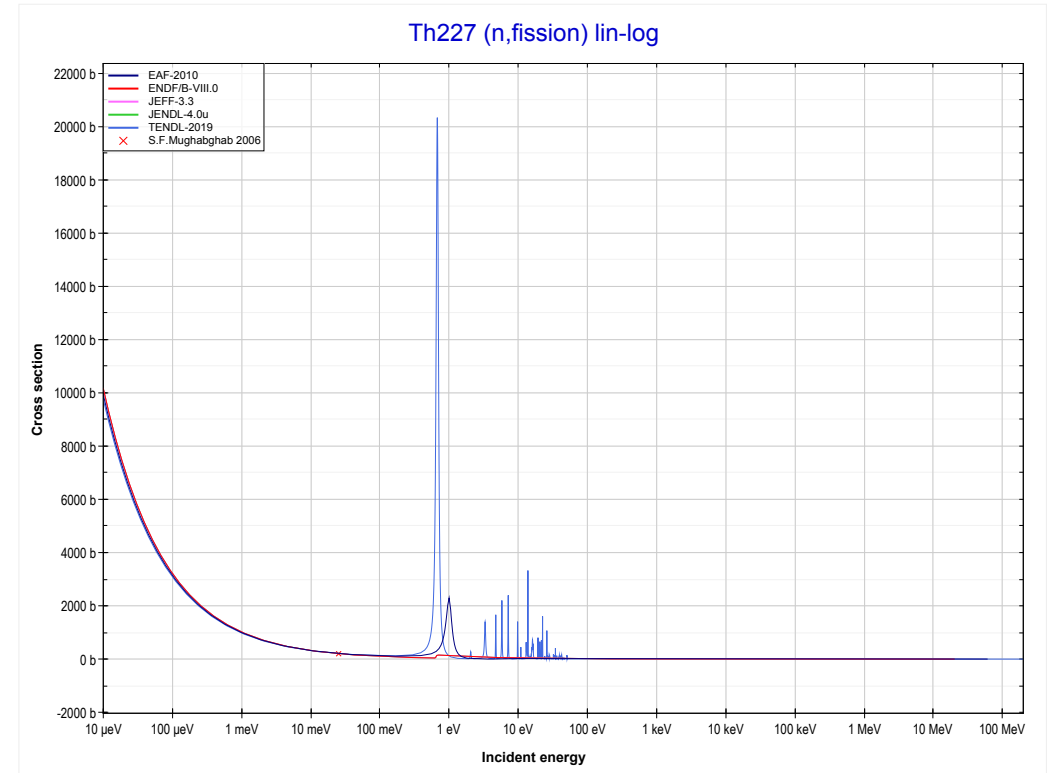
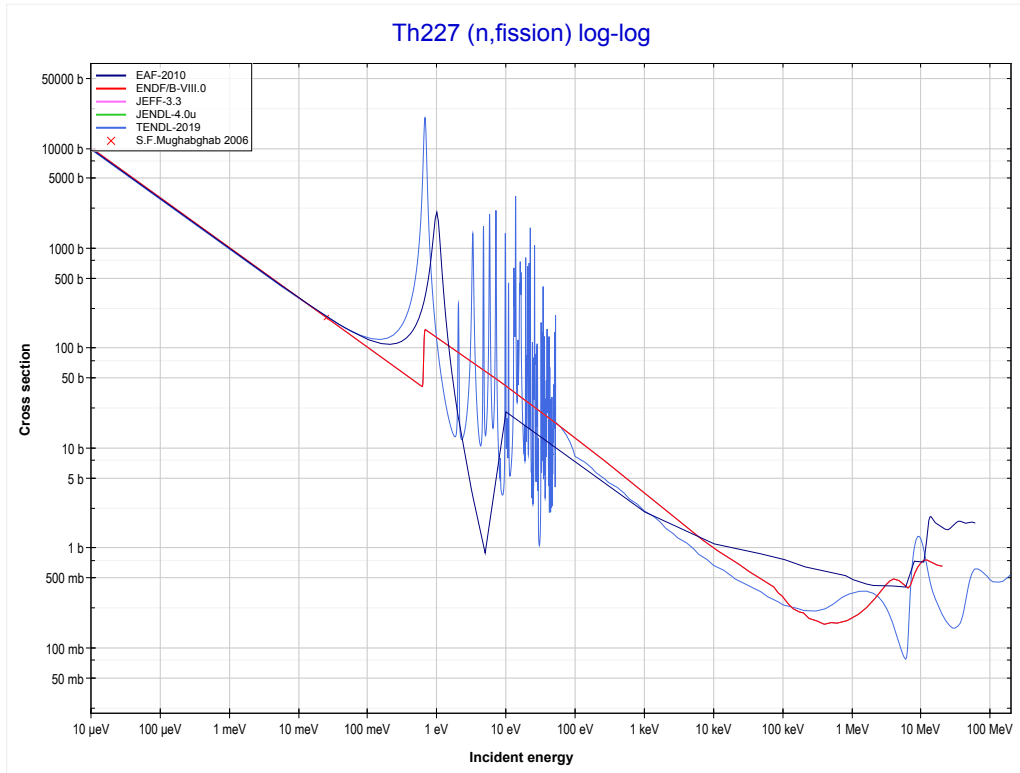
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2.90352E-4 b | 2.90134E-4 b | 2.9007E-4 b | 0.99979 | 1.76256E-4 b | 0.0126478 b | 0.124 b |
| ENDF/B-VIII.0 | 9.99999E-5 b | 9.99999E-5 b | 9.9849E-5 b | 0.99849 | 8.95039E-5 b | 0.0119982 b | 0.0627884 b |
| JEFF-3.3 | 9.99999E-5 b | 9.99999E-5 b | 9.9849E-5 b | 0.99849 | 8.95039E-5 b | 0.0119982 b | 0.0627884 b |
| JENDL-4.0u | 9.99999E-5 b | 9.99999E-5 b | 9.9849E-5 b | 0.99849 | 8.95039E-5 b | 0.0119982 b | 0.0627884 b |
| TENDL-2019 | 1.69334E-4 b | 1.69334E-4 b | 1.6961E-4 b | 1.0016 | 4.46704E-4 b | 0.00304565 b | 0.0218937 b |

| | | |
|---------------------|--|-------------------------------|
| << 88-Ra-228 | 89-Ac-227 | 90-Th-228 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Ac228 production) | 90-Th-227 MT18 (n,fission) >> |



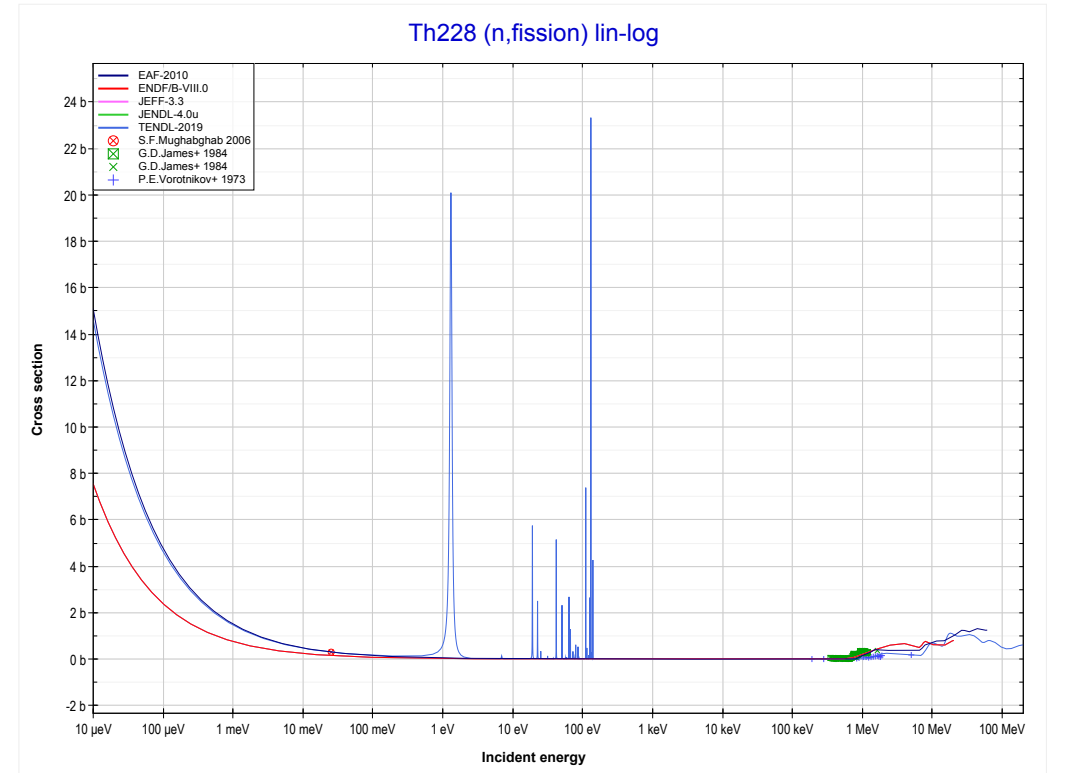
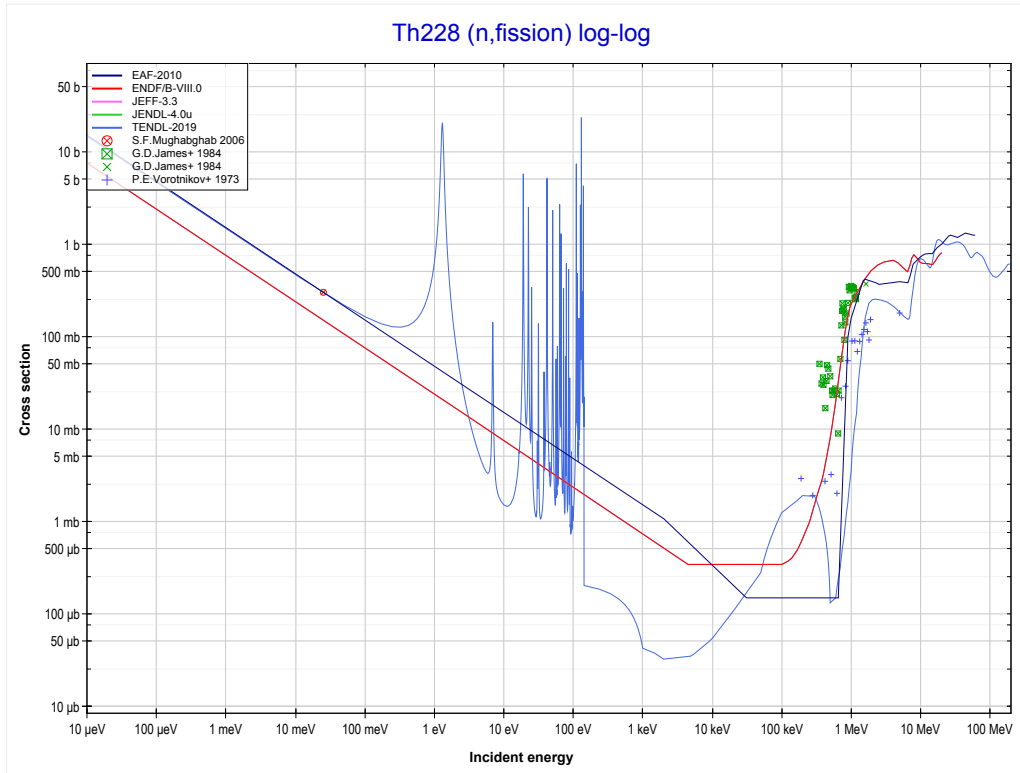
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 886.582 b | 885.924 b | 889.56 b | 1.00411 | 1483.75 b | 0.129245 b | 0.00124941 b |
| ENDF/B-VIII.0 | 800.143 b | 800.143 b | 800.31 b | 1.00021 | 1017.34 b | 0.108678 b | 0.00111945 b |
| JEFF-3.3 | 800.143 b | 800.143 b | 800.31 b | 1.00021 | 1017.34 b | 0.108678 b | 0.00111945 b |
| JENDL-4.0u | 800.143 b | 800.143 b | 800.31 b | 1.00021 | 1017.34 b | 0.108678 b | 0.00111945 b |
| TENDL-2019 | 788.613 b | 788.613 b | 791.79 b | 1.00402 | 605.635 b | 0.165174 b | 0.00102037 b |

| | | |
|-----------------------------------|-------------------------|-------------------------------|
| << 89-Ac-227 | 90-Th-227 | 90-Th-228 >> |
| << 89-Ac-227 MT102 (n, γ) | MT18 (n,fission) | 90-Th-228 MT18 (n,fission) >> |



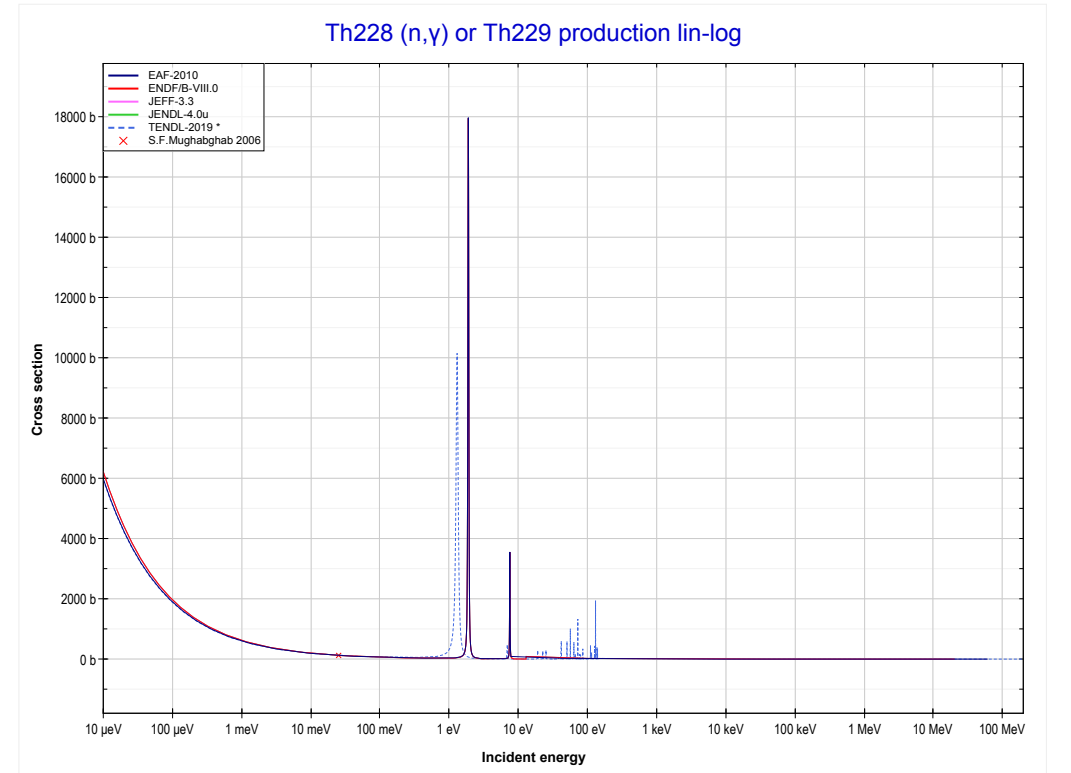
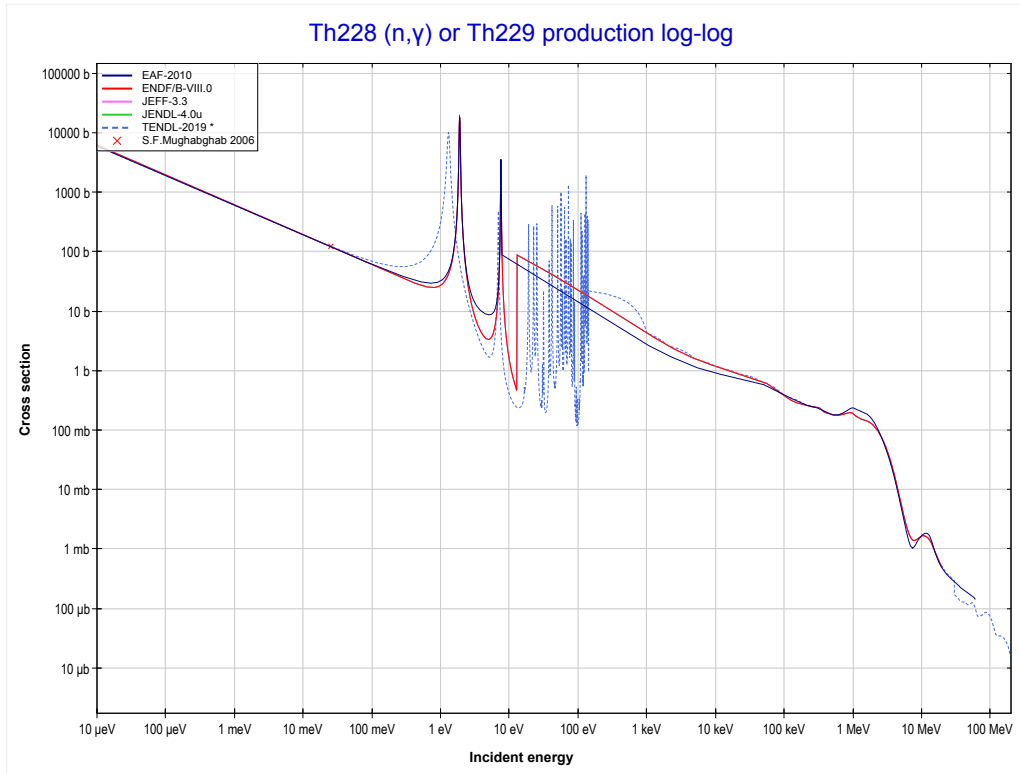
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 208.467 b | 208.323 b | 214.27 b | 1.02863 | 838.206 b | 0.483265 b | 2.05 b |
| ENDF/B-VIII.0 | 202.051 b | 202.051 b | 202.14 b | 1.00043 | 329.282 b | 0.295788 b | 0.721633 b |
| JEFF-3.3 | 202.051 b | 202.051 b | 202.14 b | 1.00043 | 329.282 b | 0.295788 b | 0.721633 b |
| JENDL-4.0u | 202.051 b | 202.051 b | 202.14 b | 1.00043 | 329.282 b | 0.295788 b | 0.721633 b |
| TENDL-2019 | 205.63 b | 205.63 b | 213.93 b | 1.04036 | 3079.89 b | 0.302389 b | 0.412262 b |

| | | |
|-------------------------------|-------------------------|-------------------------|
| << 90-Th-227 | 90-Th-228 | 90-Th-229 >> |
| << 90-Th-227 MT18 (n,fission) | MT18 (n,fission) | MT102 (n, γ) >> |



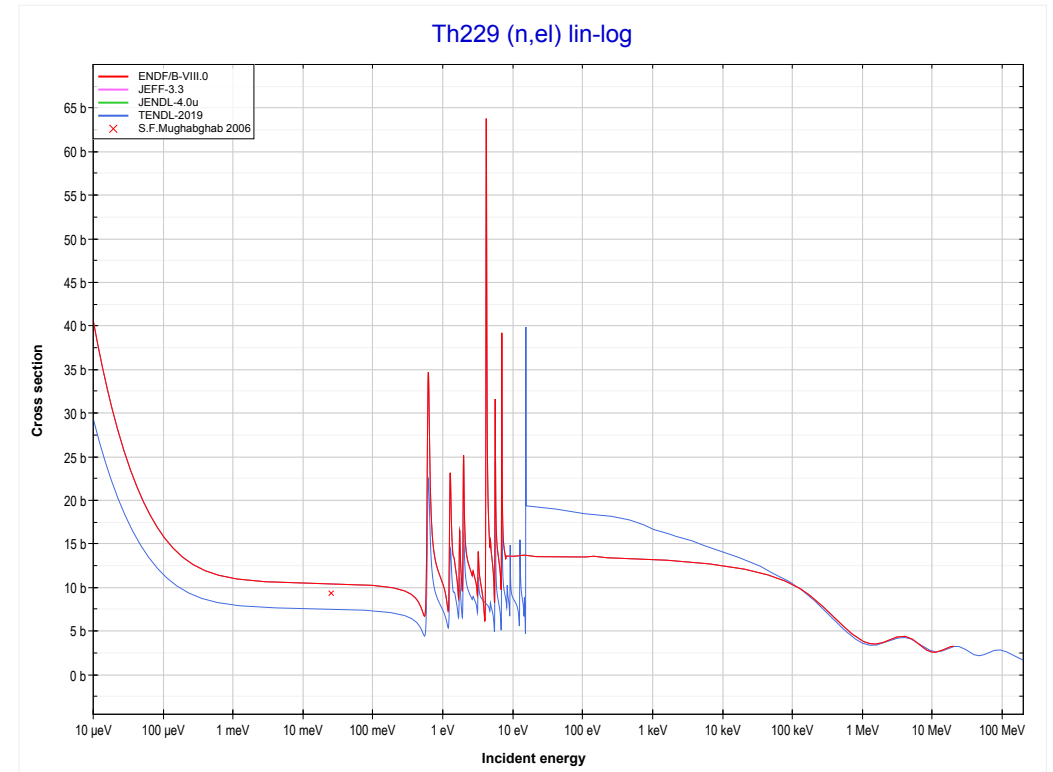
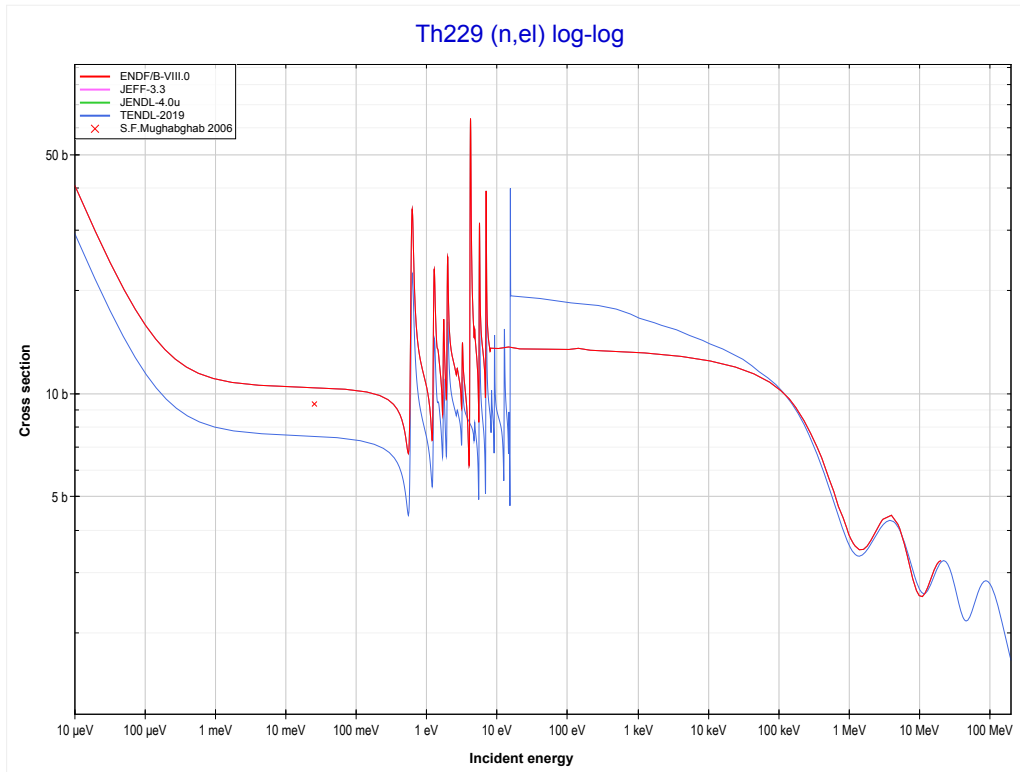
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.3 b | 0.299775 b | 0.29978 b | 1.00001 | 0.134755 b | 0.25588 b | 0.77877 b |
| ENDF/B-VIII.0 | 0.150033 b | 0.150033 b | 0.15012 b | 1.00058 | 0.0674892 b | 0.369078 b | 0.598334 b |
| JEFF-3.3 | 0.150033 b | 0.150033 b | 0.15012 b | 1.00058 | 0.0674892 b | 0.369078 b | 0.598334 b |
| JENDL-4.0u | 0.150033 b | 0.150033 b | 0.15012 b | 1.00058 | 0.0674892 b | 0.369078 b | 0.598334 b |
| TENDL-2019 | 0.298641 b | 0.298641 b | 0.30331 b | 1.01564 | 2.97442 b | 0.125043 b | 0.556435 b |

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|---------------------|--|------------------------------|
| << 89-Ac-227 | 90-Th-228 | 90-Th-229 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th229 production) | 90-Th-229 MT2 (n,elastic) >> |



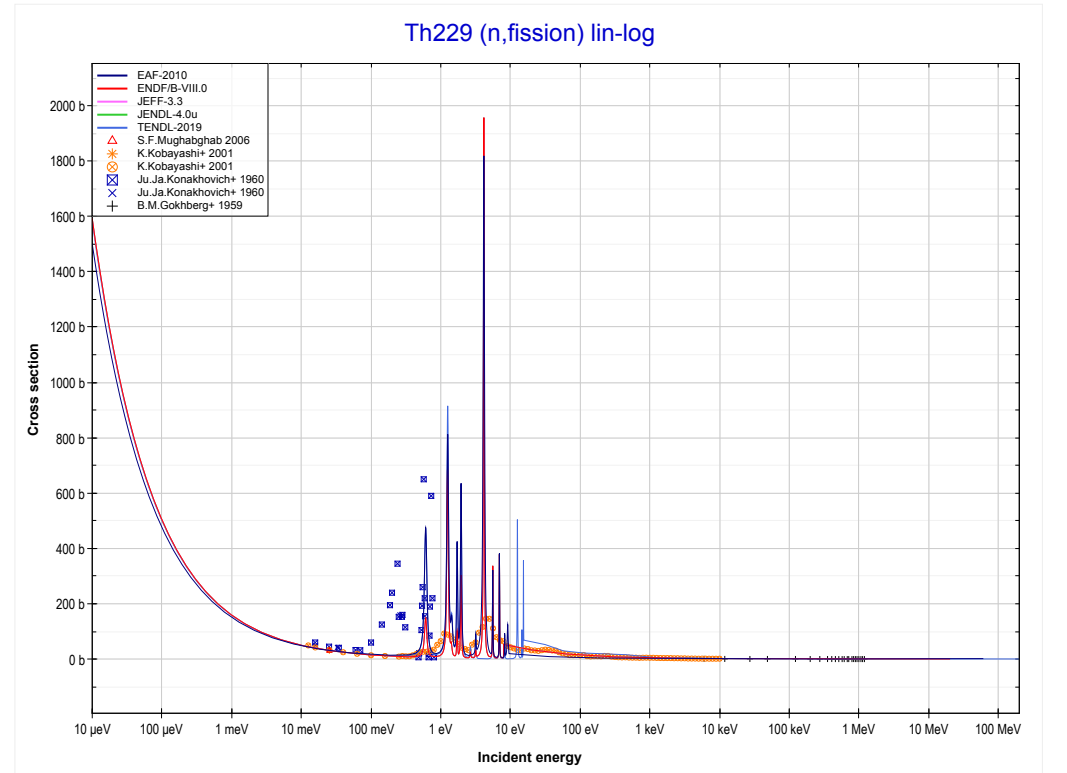
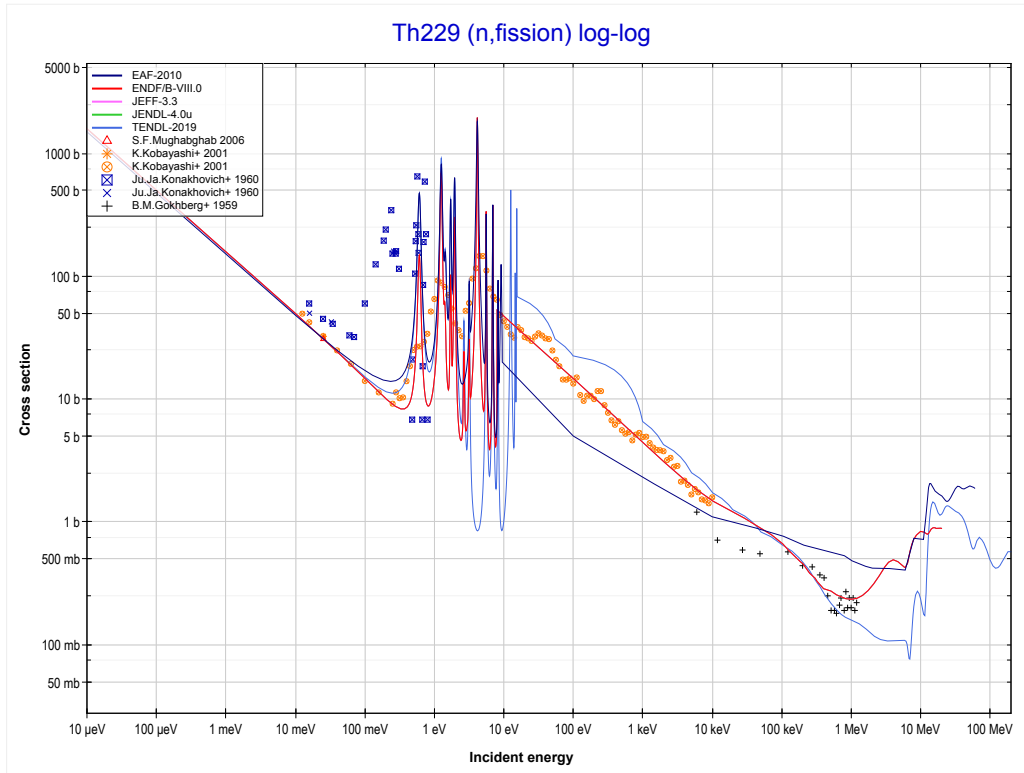
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 119.9 b | 119.815 b | 120.24 b | 1.00358 | 1126.07 b | 0.149799 b | 0.0013601 b |
| ENDF/B-VIII.0 | 122.883 b | 122.883 b | 122.68 b | 0.99836 | 1122.87 b | 0.134044 b | 0.00123258 b |
| JEFF-3.3 | 122.883 b | 122.883 b | 122.68 b | 0.99836 | 1122.87 b | 0.134044 b | 0.00123258 b |
| JENDL-4.0u | 122.883 b | 122.883 b | 122.68 b | 0.99836 | 1122.87 b | 0.134044 b | 0.00123258 b |
| TENDL-2019 | 122.48 b | 122.48 b | 124.95 b | 1.02018 | 1411.2 b | 0.135122 b | 0.00123258 b |

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|-----------------------------------|------------------------|---------------------|
| << 88-Ra-226 | 90-Th-229 | 90-Th-230 >> |
| << 90-Th-228 MT102 (n, γ) | MT2 (n,elastic) | MT18 (n,fission) >> |



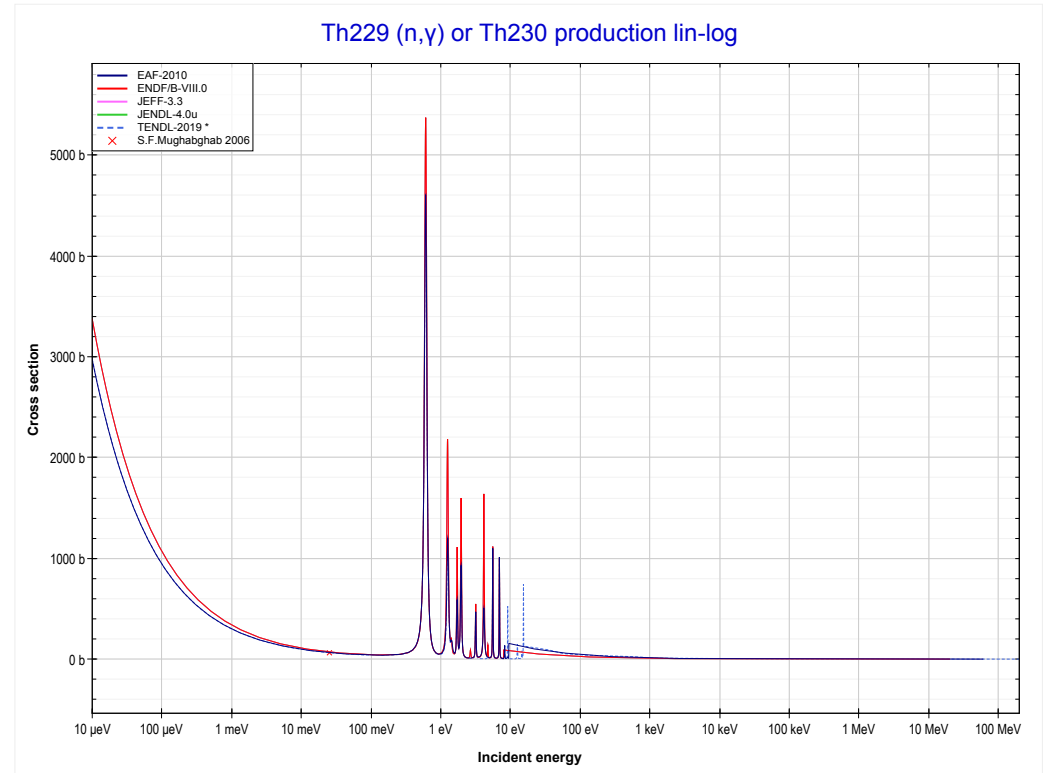
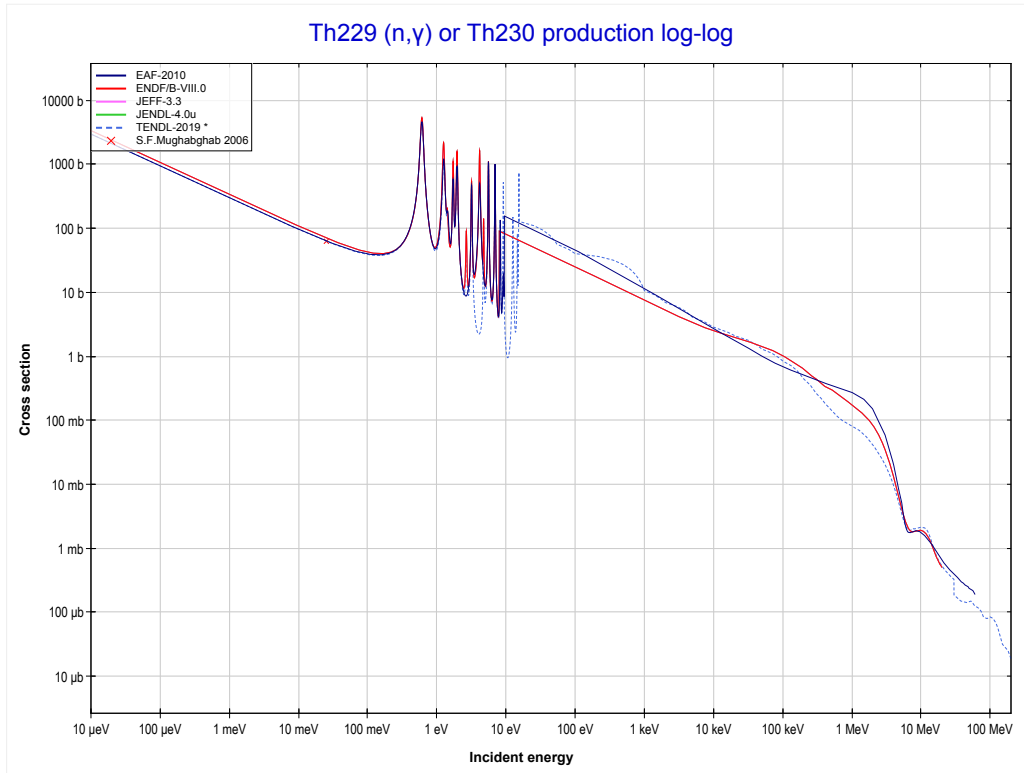
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.4299 b | 10.4299 b | 11.701 b | 1.12192 | 160.794 b | 4.55679 b | 2.81854 b |
| JEFF-3.3 | 10.4299 b | 10.4299 b | 11.701 b | 1.12192 | 160.794 b | 4.55679 b | 2.81854 b |
| JENDL-4.0u | 10.4299 b | 10.4299 b | 11.701 b | 1.12192 | 160.794 b | 4.55679 b | 2.81854 b |
| TENDL-2019 | 7.51984 b | 7.51984 b | 8.4174 b | 1.11936 | 172.739 b | 4.39438 b | 2.72762 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 90-Th-228 | 90-Th-229 | 90-Th-230 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



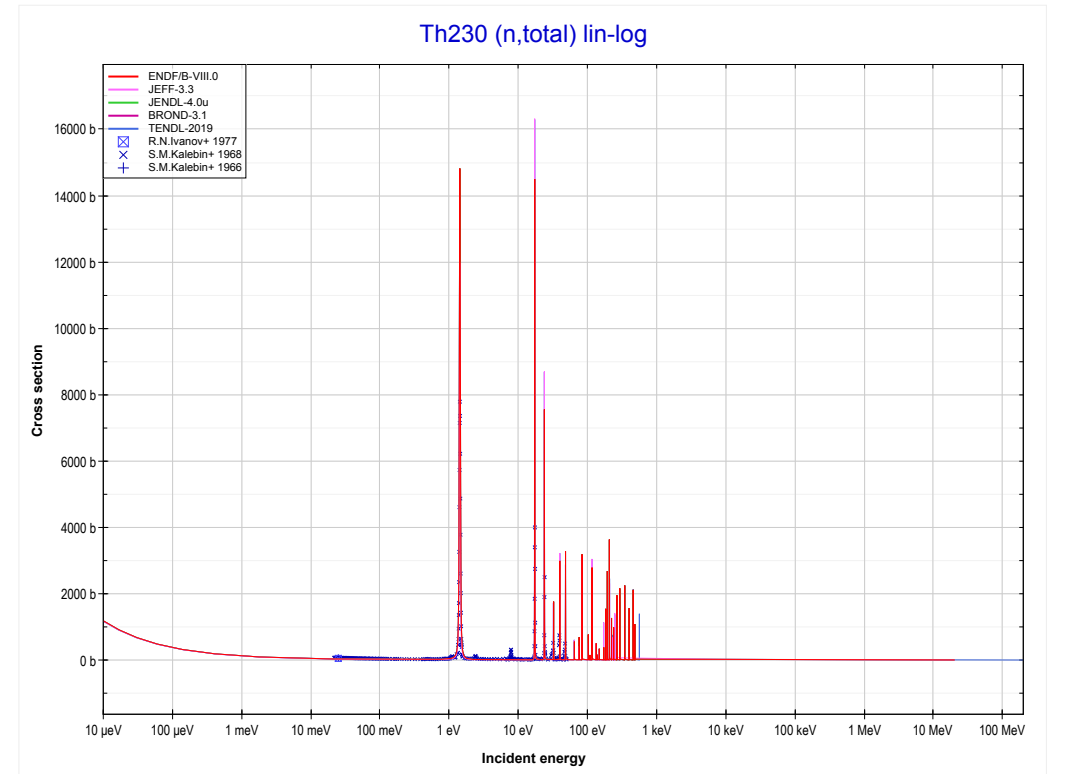
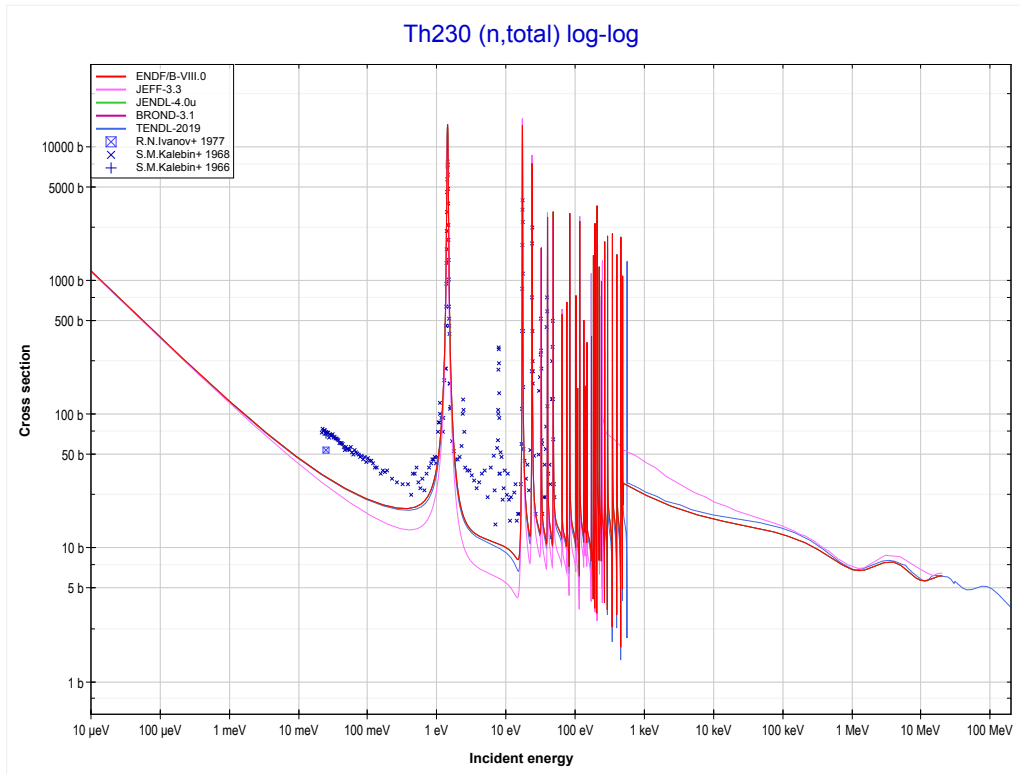
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 30.8563 b | 30.8353 b | 31.35 b | 1.01675 | 440.103 b | 0.483253 b | 2.05 b |
| ENDF/B-VIII.0 | 30.9148 b | 30.9148 b | 30.669 b | 0.99203 | 313.679 b | 0.344849 b | 0.863993 b |
| JEFF-3.3 | 30.9148 b | 30.9148 b | 30.669 b | 0.99203 | 313.679 b | 0.344849 b | 0.863993 b |
| JENDL-4.0u | 30.9148 b | 30.9148 b | 30.669 b | 0.99203 | 313.679 b | 0.344849 b | 0.863993 b |
| TENDL-2019 | 30.7974 b | 30.7974 b | 30.728 b | 0.99774 | 407.207 b | 0.174862 b | 1.28414 b |

| | | |
|---------------------|--|----------------------------|
| << 90-Th-228 | 90-Th-229 | 90-Th-230 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th230 production) | 90-Th-230 MT1 (n,total) >> |



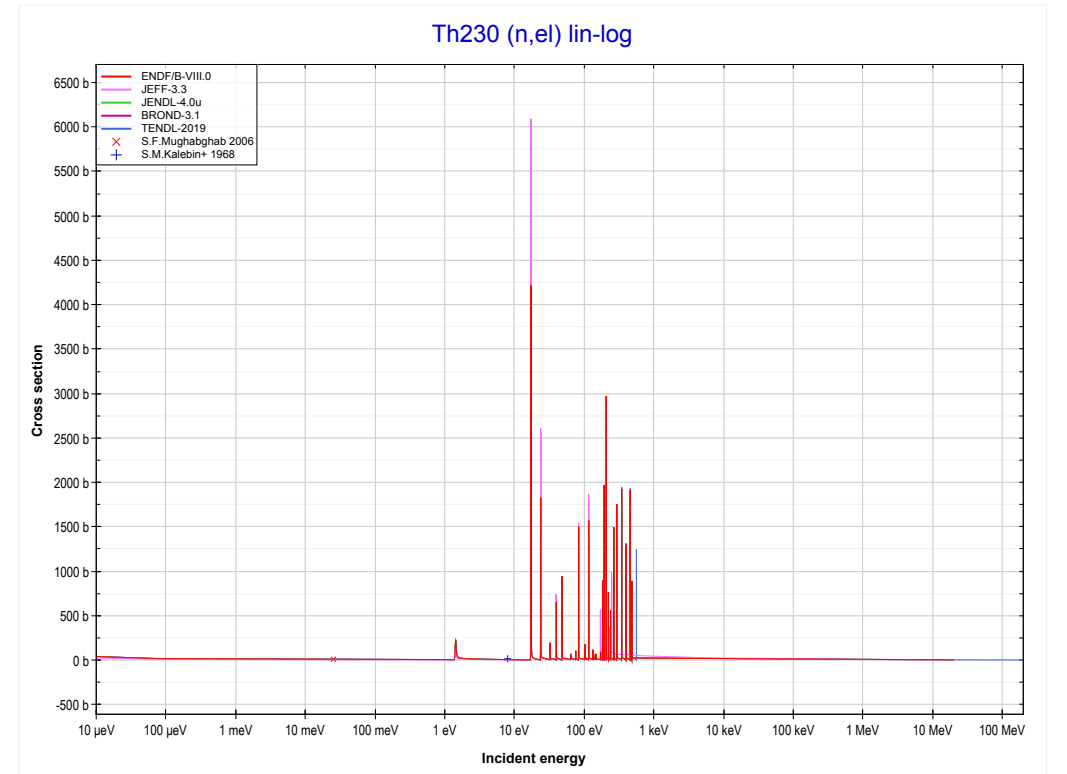
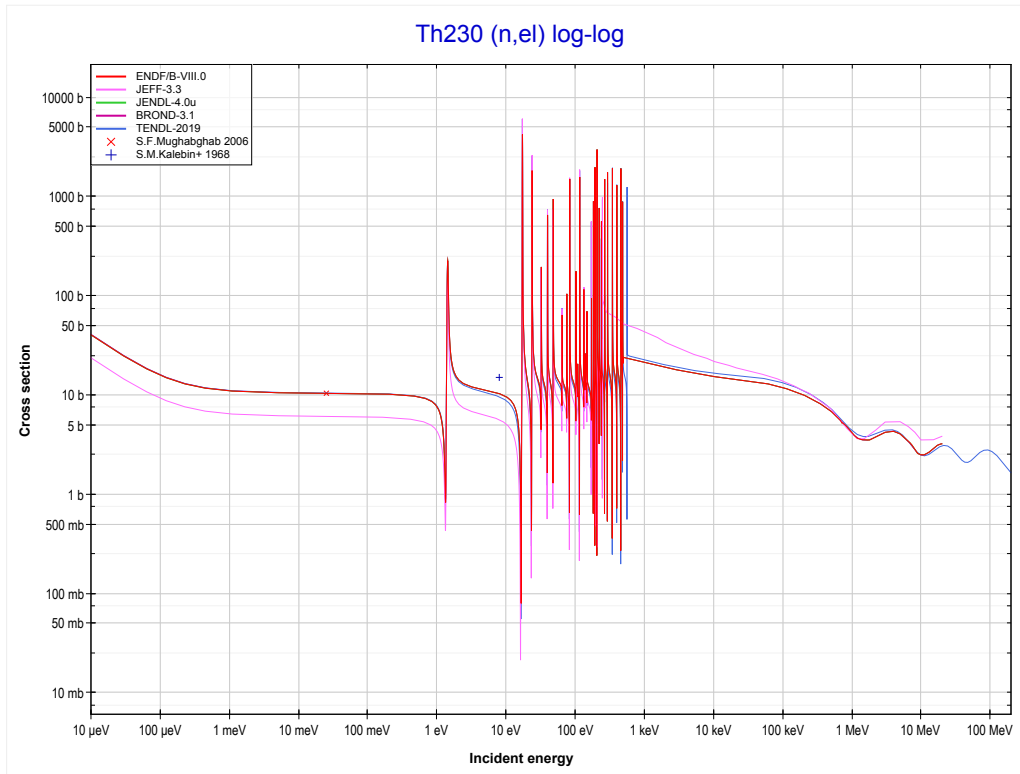
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 63.4528 b | 63.4134 b | 66.133 b | 1.04302 | 1234.64 b | 0.208647 b | 0.0011882 b |
| ENDF/B-VIII.0 | 70.5559 b | 70.5559 b | 73.025 b | 1.03499 | 1312.87 b | 0.170804 b | 0.00119361 b |
| JEFF-3.3 | 70.5559 b | 70.5559 b | 73.025 b | 1.03499 | 1312.87 b | 0.170804 b | 0.00119361 b |
| JENDL-4.0u | 70.5559 b | 70.5559 b | 73.025 b | 1.03499 | 1312.87 b | 0.170804 b | 0.00119361 b |
| TENDL-2019 | 62.8246 b | 62.8246 b | 65.371 b | 1.04053 | 1167.55 b | 0.103294 b | 0.00133242 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 88-Ra-226 | 90-Th-230 | 90-Th-232 >> |
| << 90-Th-229 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



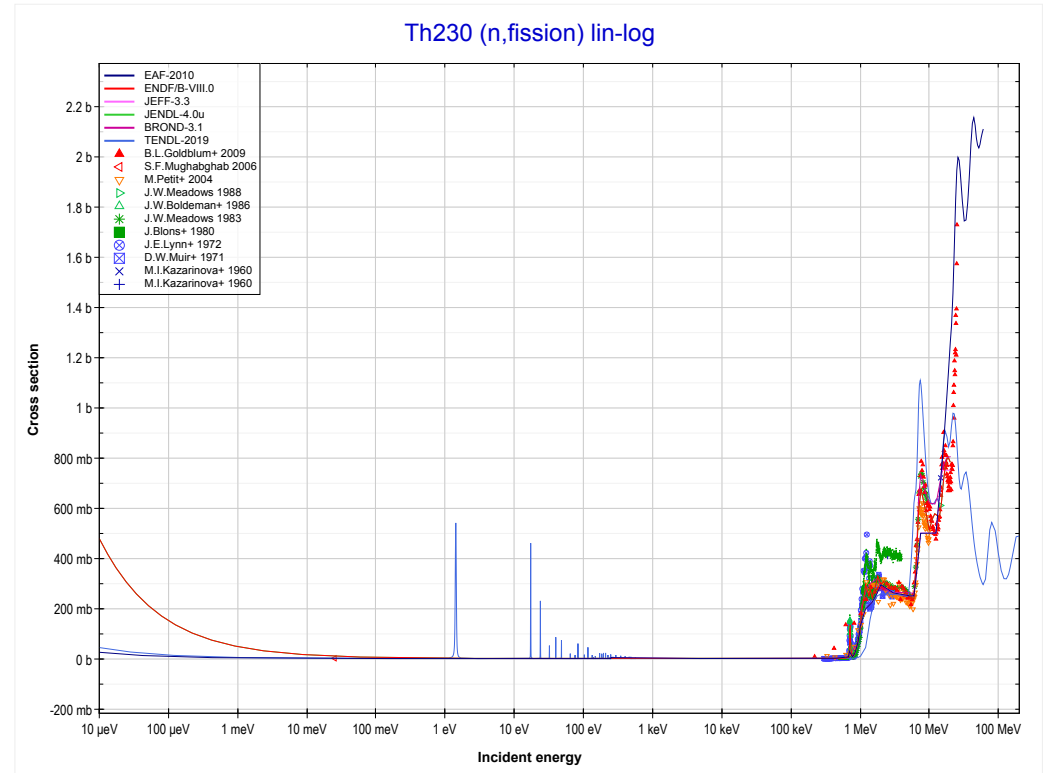
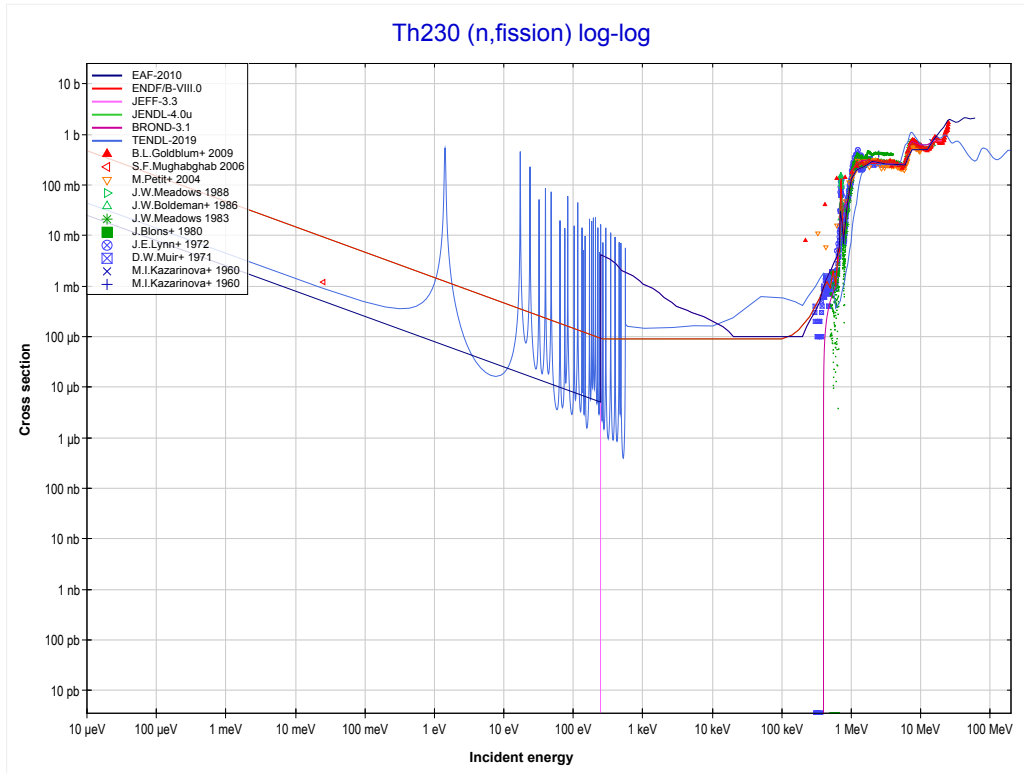
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 33.8116 b | 33.8116 b | 35.487 b | 1.04956 | 1361.52 b | 7.71882 b | 5.8467 b |
| JEFF-3.3 | 29.1784 b | 29.1784 b | 30.078 b | 1.03084 | 1224.86 b | 8.44905 b | 6.30469 b |
| JENDL-4.0u | 33.8116 b | 33.8116 b | 35.487 b | 1.04956 | 1361.52 b | 7.71882 b | 5.8467 b |
| BROND-3.1 | 33.8124 b | 33.8124 b | 35.489 b | 1.04958 | 1361.32 b | 7.72029 b | 5.84664 b |
| TENDL-2019 | 33.4731 b | 33.4731 b | 35.096 b | 1.04848 | 1310.78 b | 8.02123 b | 6.11062 b |

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|------------------|------------------------|---------------------|
| << 90-Th-229 | 90-Th-230 | 90-Th-232 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



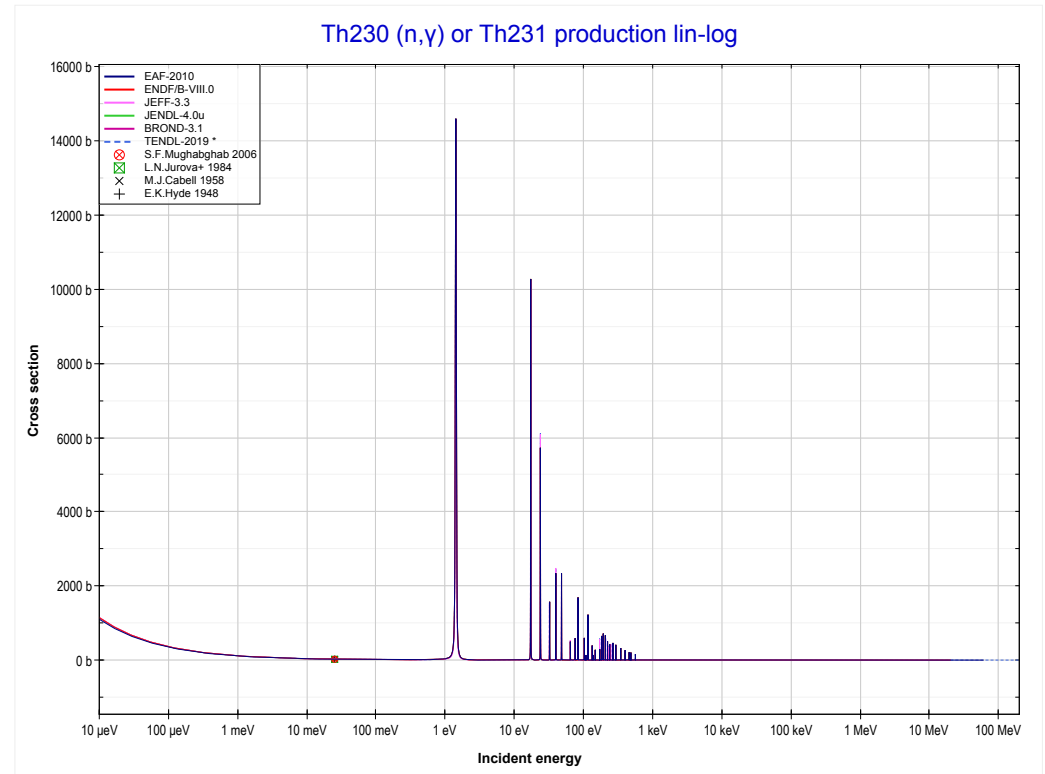
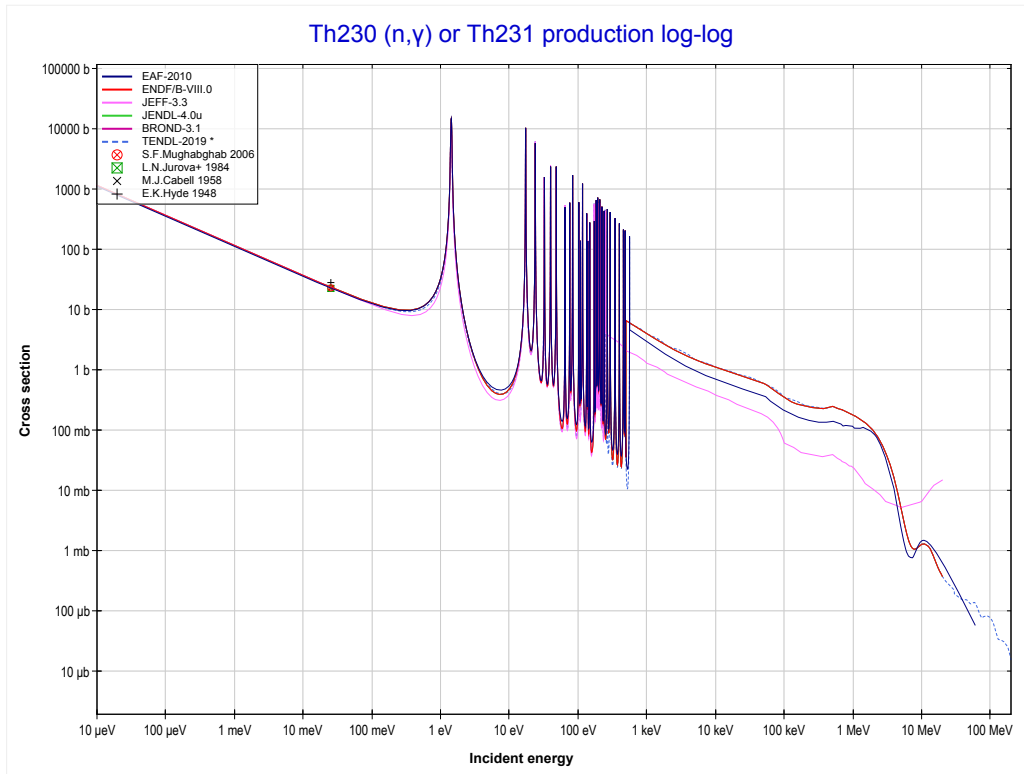
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.3917 b | 10.3917 b | 11.694 b | 1.12531 | 319.66 b | 4.81615 b | 2.75873 b |
| JEFF-3.3 | 6.09283 b | 6.09283 b | 6.849 b | 1.12411 | 373.14 b | 5.39384 b | 3.52056 b |
| JENDL-4.0u | 10.3917 b | 10.3917 b | 11.694 b | 1.12531 | 319.66 b | 4.81615 b | 2.75873 b |
| BROND-3.1 | 10.4012 b | 10.4012 b | 11.703 b | 1.12519 | 319.709 b | 4.81749 b | 2.73745 b |
| TENDL-2019 | 10.4712 b | 10.4712 b | 11.782 b | 1.12521 | 333.871 b | 5.13016 b | 2.59561 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 90-Th-229 | 90-Th-230 | 90-Th-231 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 5.004E-4 b | 5.00025E-4 b | 5.0006E-4 b | 1.00007 | 0.00502185 b | 0.179596 b | 0.65 b |
| ENDF/B-VIII.0 | 0.00949252 b | 0.00949252 b | 0.0094978 b | 1.00056 | 0.00458883 b | 0.201307 b | 0.563549 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.00480827 b | 0.179592 b | 0.65 b |
| JENDL-4.0u | 0.00949252 b | 0.00949252 b | 0.0094978 b | 1.00056 | 0.00458883 b | 0.201307 b | 0.563549 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.202158 b | 0.69 b |
| TENDL-2019 | 8.96414E-4 b | 8.96414E-4 b | 9.0854E-4 b | 1.01353 | 0.0393283 b | 0.168232 b | 0.634281 b |

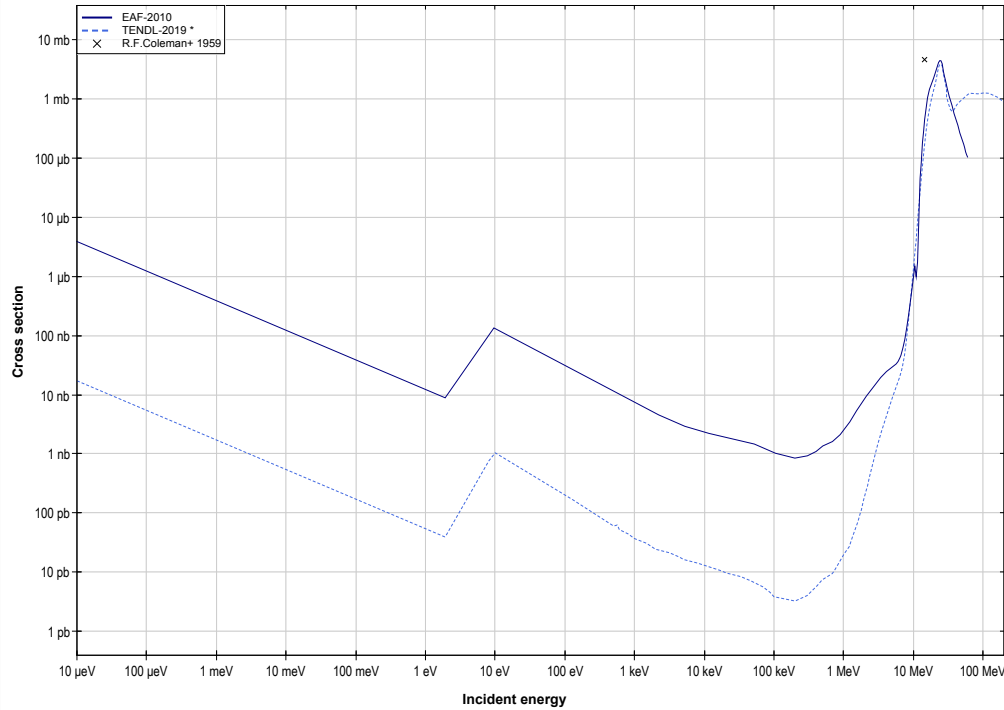
| | | |
|---------------------|--|-------------------------|
| << 90-Th-229 | 90-Th-230 | 90-Th-232 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th231 production) | MT107 (n, α) >> |



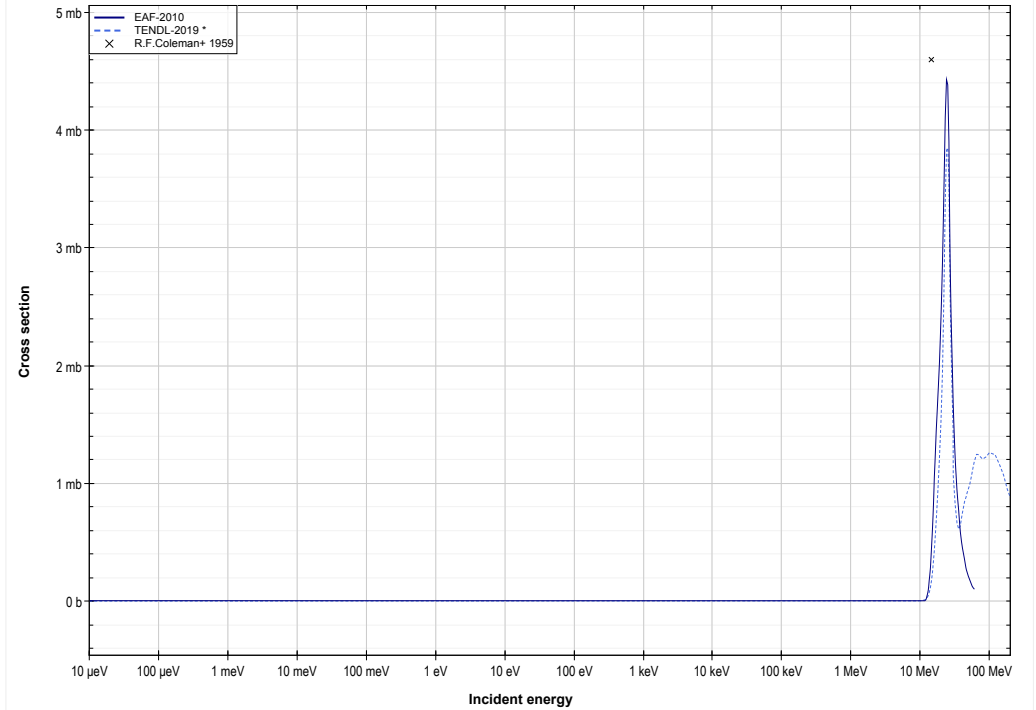
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 22.5532 b | 22.5378 b | 22.915 b | 1.01682 | 1038.5 b | 0.0884528 b | 0.00118714 b |
| ENDF/B-VIII.0 | 23.4104 b | 23.4104 b | 23.784 b | 1.01595 | 1041.73 b | 0.13177 b | 9.62921E-4 b |
| JEFF-3.3 | 23.0856 b | 23.0856 b | 23.229 b | 1.00622 | 851.504 b | 0.019994 b | 0.0110289 b |
| JENDL-4.0u | 23.4104 b | 23.4104 b | 23.784 b | 1.01595 | 1041.73 b | 0.13177 b | 9.62921E-4 b |
| BROND-3.1 | 23.4113 b | 23.4113 b | 23.786 b | 1.01599 | 1041.49 b | 0.131738 b | 9.63447E-4 b |
| TENDL-2019 | 23.0011 b | 23.0011 b | 23.312 b | 1.01353 | 976.748 b | 0.132815 b | 9.62925E-4 b |

| | | |
|-------------------------|--|-------------------------------|
| << 84-Po-210 | 90-Th-230 | 92-U-238 >> |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Ra227 production) | 90-Th-231 MT18 (n,fission) >> |

Th230 (n, α) or Ra227 production log-log

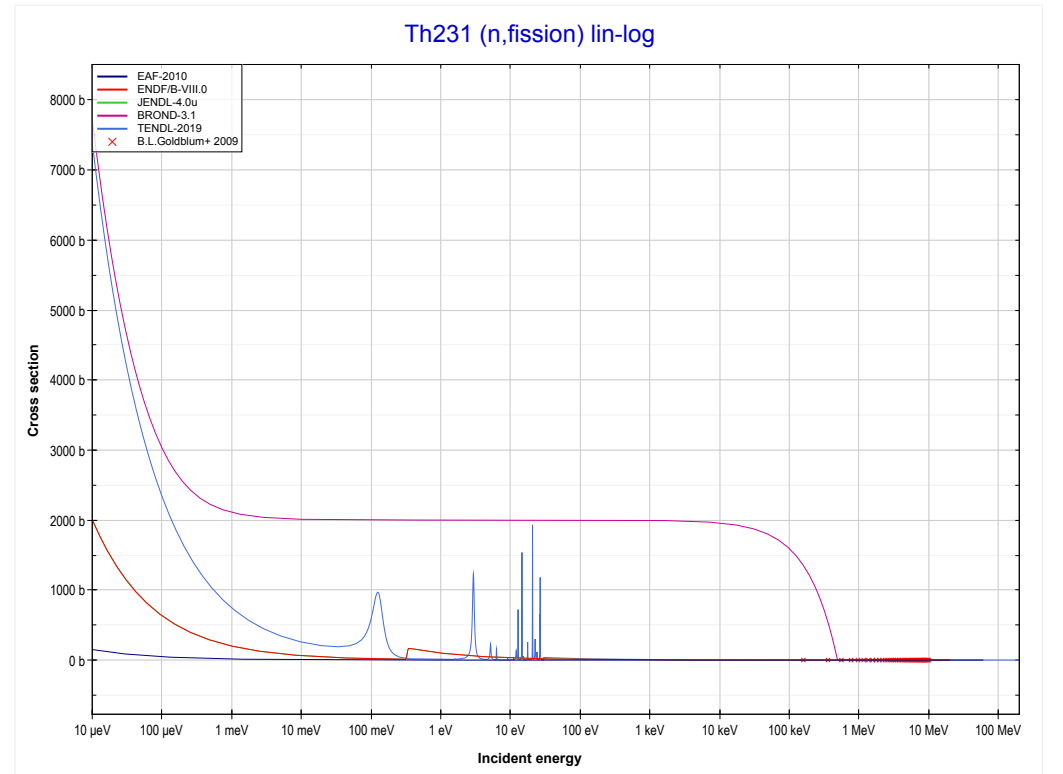
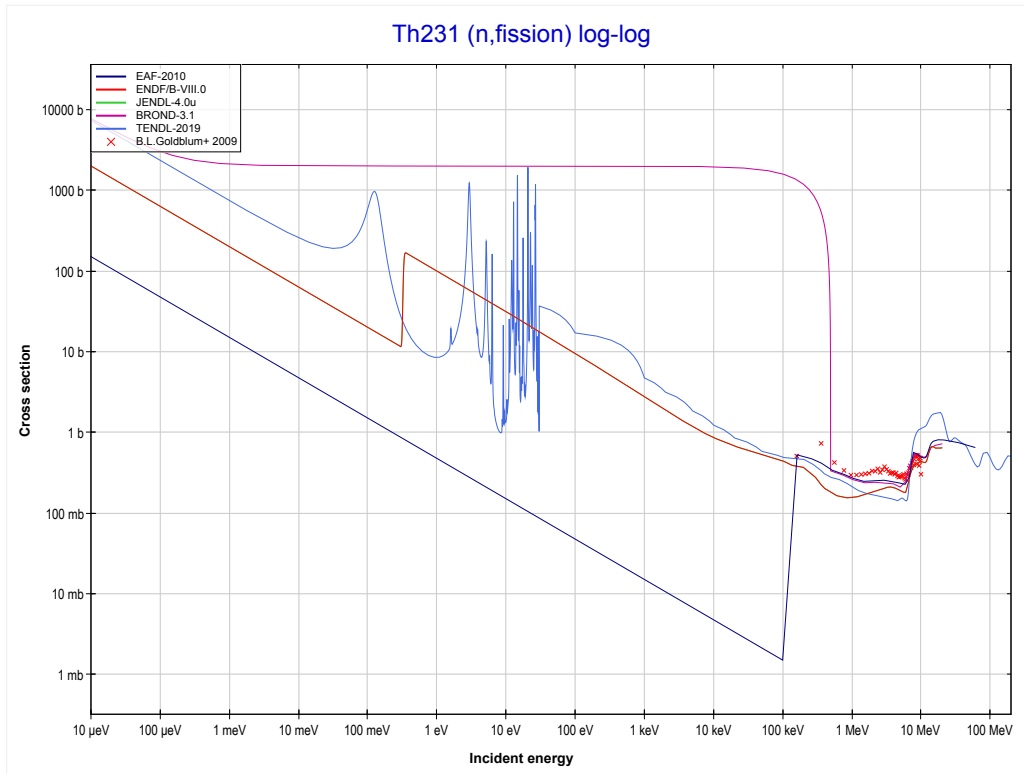


Th230 (n, α) or Ra227 production lin-log



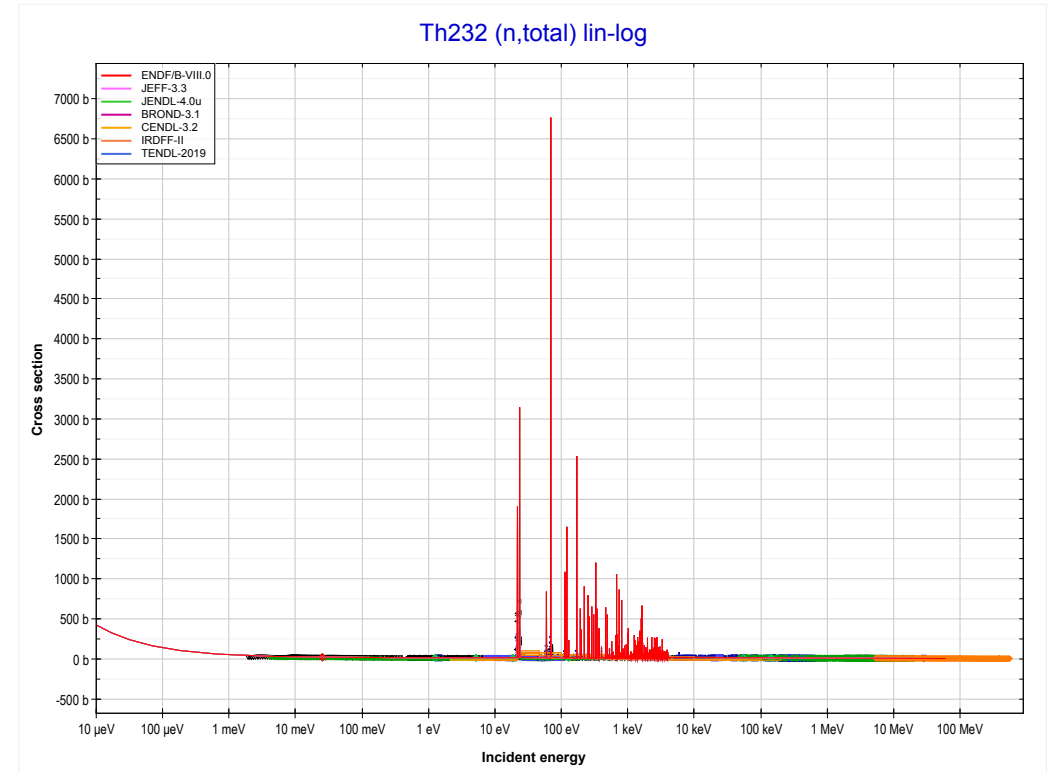
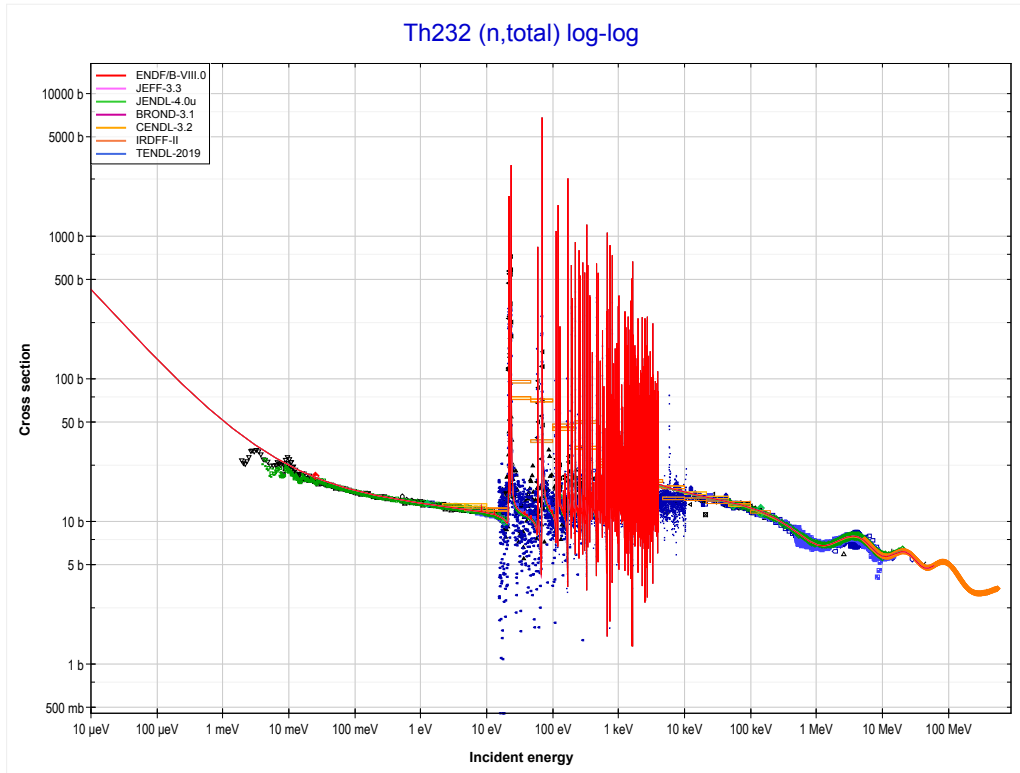
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.71571E-8 b | 7.70993E-8 b | 7.7102E-8 b | 1.00004 | 3.08584E-7 b | 1.30829E-7 b | 2.69305E-4 b |
| TENDL-2019 | 3.4195E-10 b | 3.4195E-10 b | 3.419E-10 b | 0.99985 | 2.09828E-9 b | 6.42134E-8 b | 1.10135E-4 b |

| | | |
|-----------------------------------|-------------------------|----------------------------|
| << 90-Th-230 | 90-Th-231 | 90-Th-232 >> |
| << 90-Th-230 MT107 (n, α) | MT18 (n,fission) | 90-Th-232 MT1 (n,total) >> |



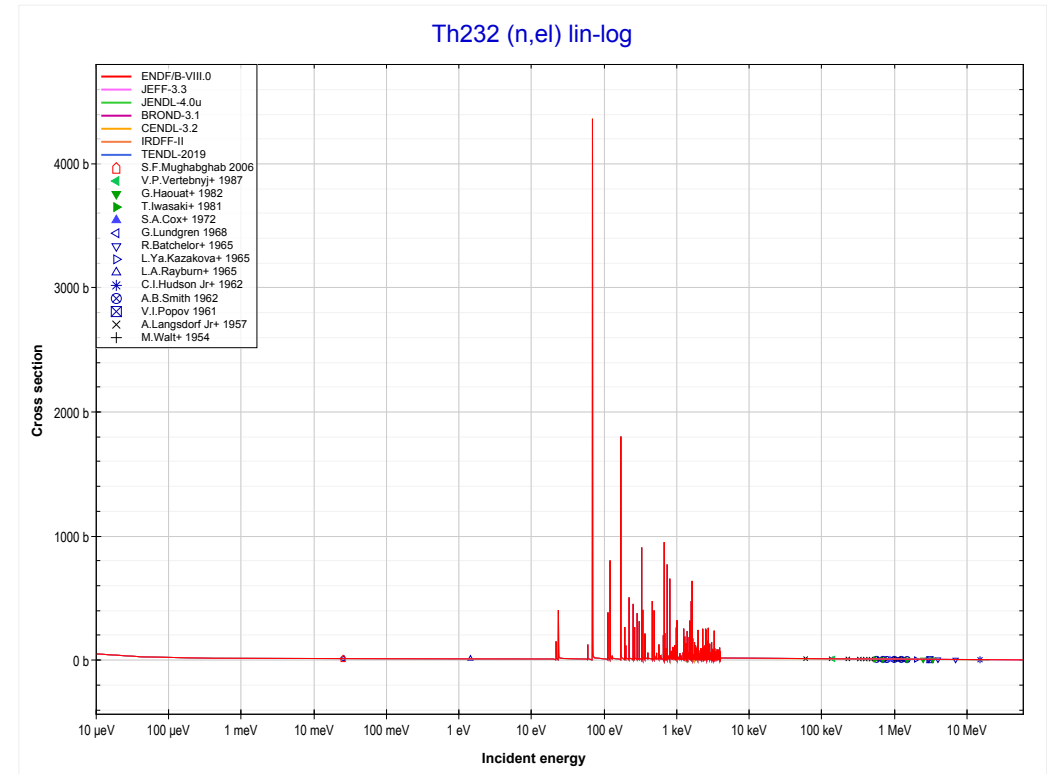
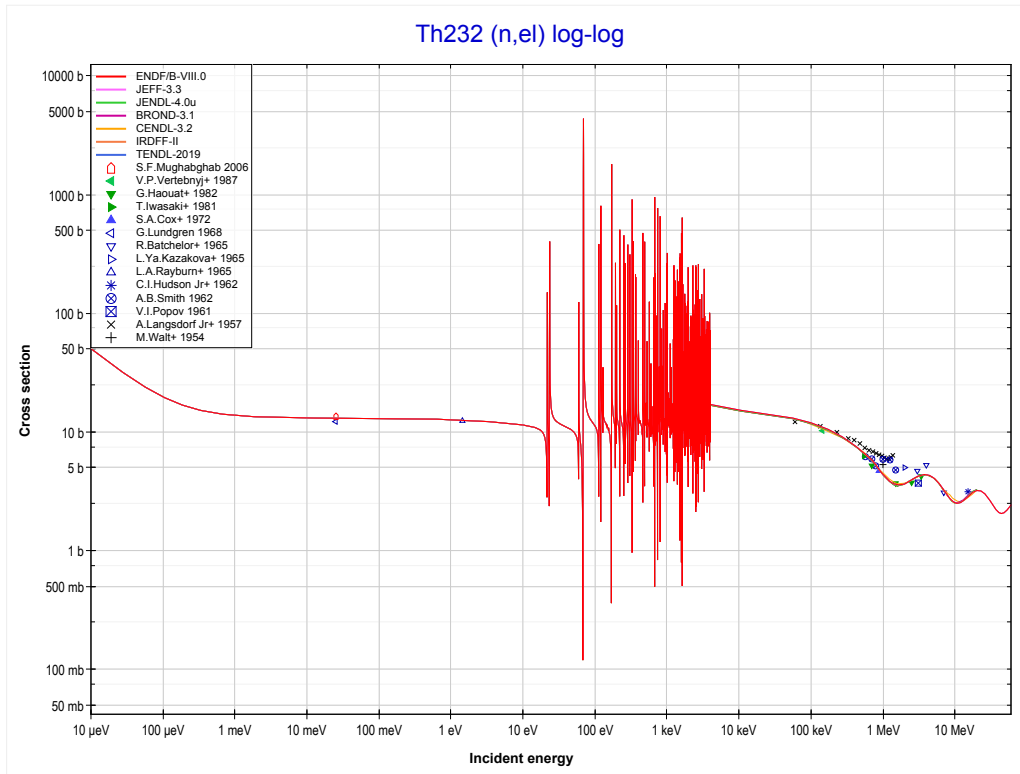
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3 b | 2.99775 b | 2.9978 b | 1.00001 | 1.34686 b | 0.279054 b | 0.732035 b |
| ENDF/B-VIII.0 | 40.003 b | 40.003 b | 39.978 b | 0.99938 | 280.748 b | 0.200634 b | 0.657946 b |
| JENDL-4.0u | 40.003 b | 40.003 b | 39.978 b | 0.99938 | 280.748 b | 0.200634 b | 0.657946 b |
| BROND-3.1 | 2004.37 b | 2004.37 b | 2261.7 b | 1.12838 | 24006.9 b | 114.238 b | 0.65203 b |
| TENDL-2019 | 195.214 b | 195.214 b | 324.58 b | 1.66269 | 327.948 b | 0.225365 b | 1.60624 b |

| | | |
|-------------------------------|----------------------|--------------------|
| << 90-Th-230 | 90-Th-232 | 91-Pa-231 >> |
| << 90-Th-231 MT18 (n,fission) | MT1 (n,total) | MT2 (n,elastic) >> |



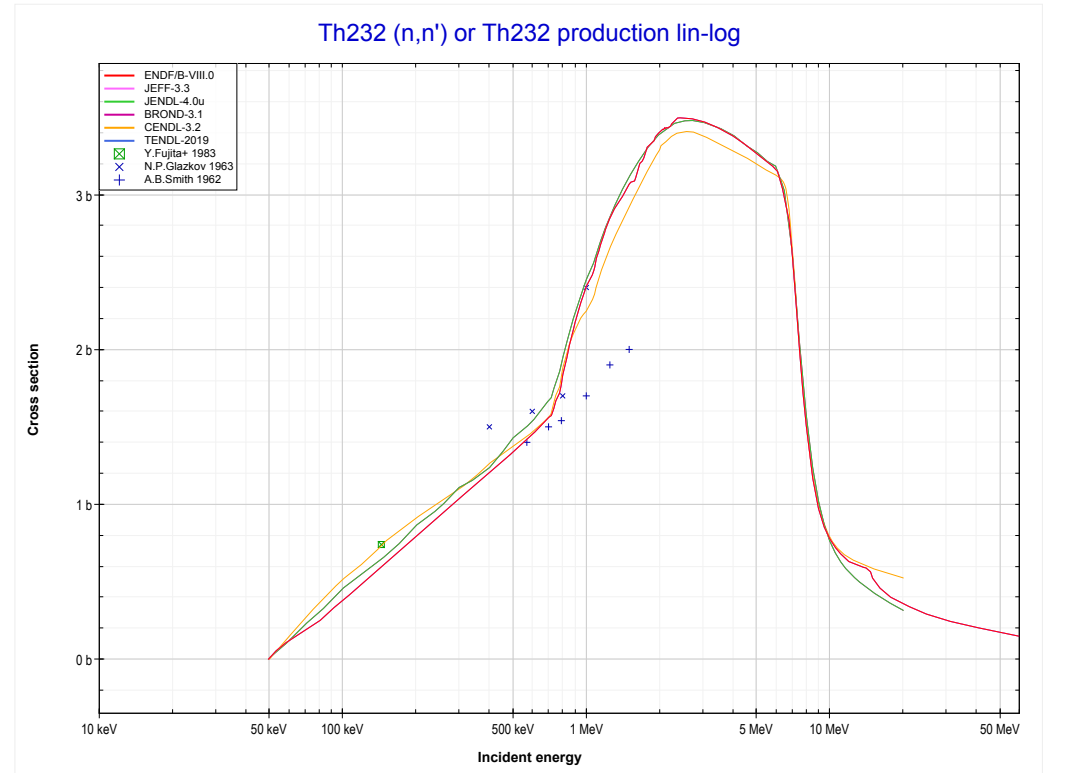
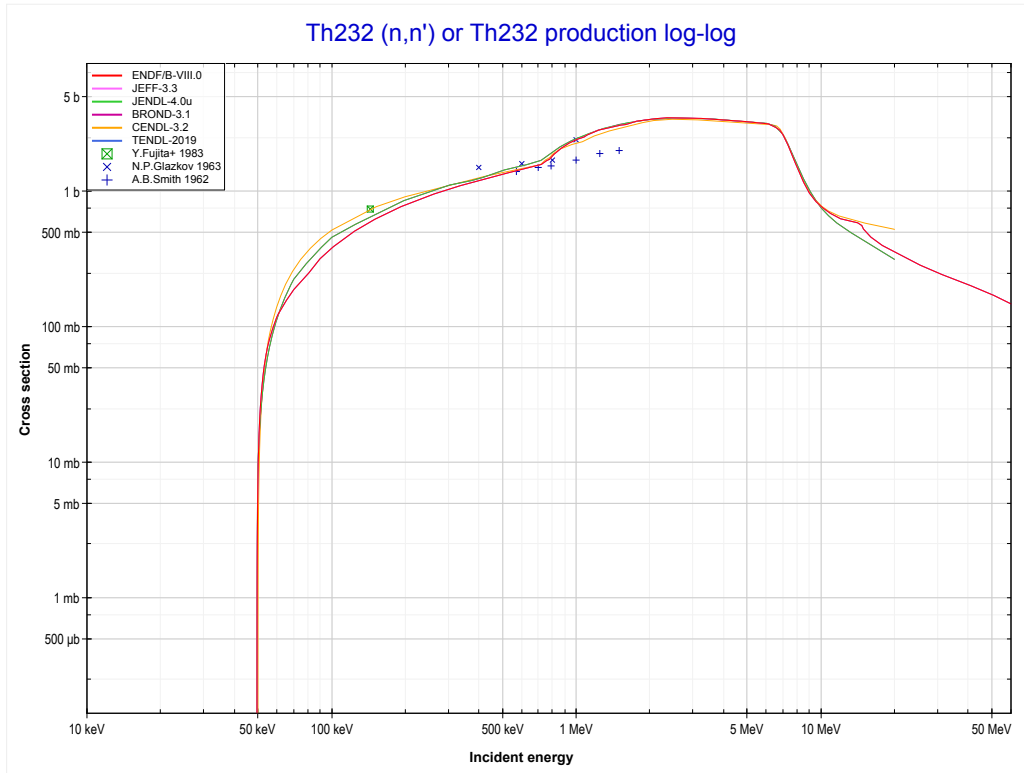
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 20.3814 b | 20.3814 b | 22.005 b | 1.07967 | 301.348 b | 7.74102 b | 5.81485 b |
| JEFF-3.3 | 20.3814 b | 20.3814 b | 22.005 b | 1.07967 | 301.348 b | 7.74102 b | 5.81485 b |
| JENDL-4.0u | 20.3821 b | 20.3821 b | 22.005 b | 1.07964 | 300.645 b | 7.7344 b | 5.85807 b |
| BROND-3.1 | 20.382 b | 20.382 b | 22.006 b | 1.07965 | 300.659 b | 7.73534 b | 5.85903 b |
| CENDL-3.2 | 20.3802 b | 20.3802 b | 22.002 b | 1.07958 | 300.705 b | 7.68929 b | 5.75439 b |
| IRDFF-II | 20.3815 b | 20.3815 b | 22.009 b | 1.07984 | 300.697 b | 7.73526 b | 5.85807 b |
| TENDL-2019 | 20.3801 b | 20.3801 b | 22.002 b | 1.07958 | 301.384 b | 7.74158 b | 5.81482 b |

| | | |
|------------------|------------------------|---------------|
| << 90-Th-230 | 90-Th-232 | 92-U-232 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



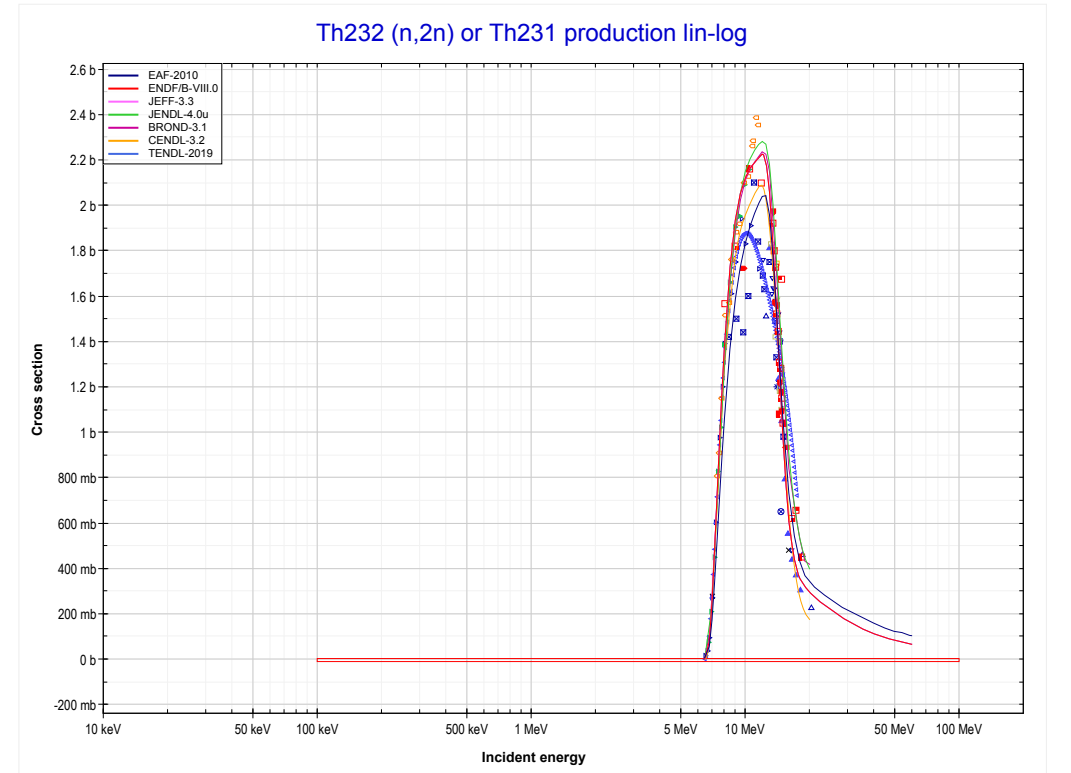
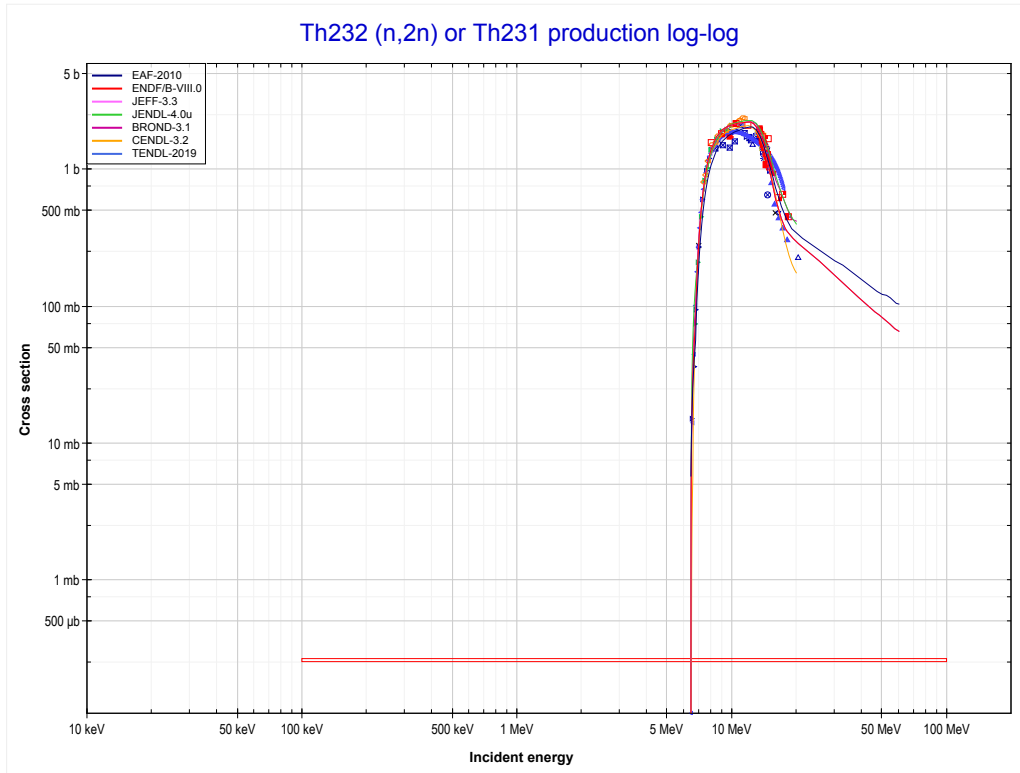
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 13.0442 b | 13.0442 b | 14.707 b | 1.12747 | 217.35 b | 4.92299 b | 2.71975 b |
| JEFF-3.3 | 13.0442 b | 13.0442 b | 14.707 b | 1.12747 | 217.35 b | 4.92299 b | 2.71975 b |
| JENDL-4.0u | 13.0442 b | 13.0442 b | 14.707 b | 1.12747 | 216.682 b | 4.87995 b | 2.73972 b |
| BROND-3.1 | 13.0443 b | 13.0443 b | 14.707 b | 1.12746 | 216.701 b | 4.88699 b | 2.79183 b |
| CENDL-3.2 | 13.0442 b | 13.0442 b | 14.708 b | 1.12753 | 216.657 b | 4.93844 b | 2.69081 b |
| IRDFF-II | 13.0442 b | 13.0442 b | 14.711 b | 1.12779 | 216.716 b | 4.88029 b | 2.73972 b |
| TENDL-2019 | 13.0442 b | 13.0442 b | 14.708 b | 1.12753 | 217.373 b | 4.92372 b | 2.71975 b |

| | | |
|--------------------|---|----------------|
| << 83-Bi-209 | 90-Th-232 | 92-U-235 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Th232 production) | MT16 (n,2n) >> |



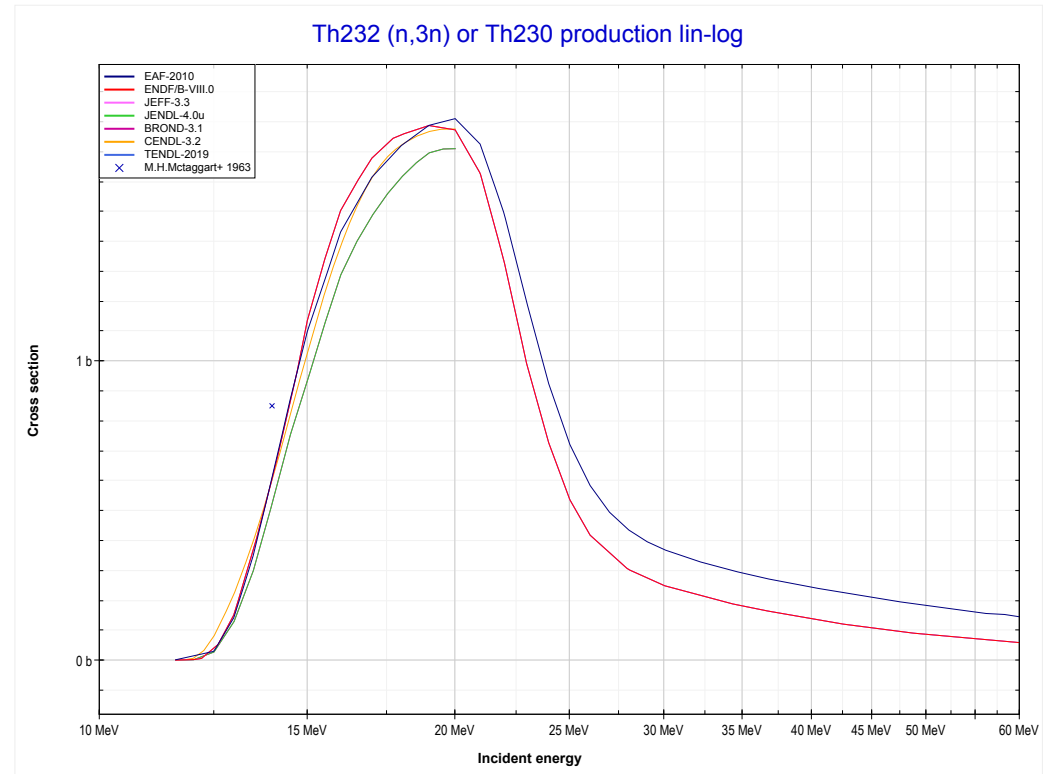
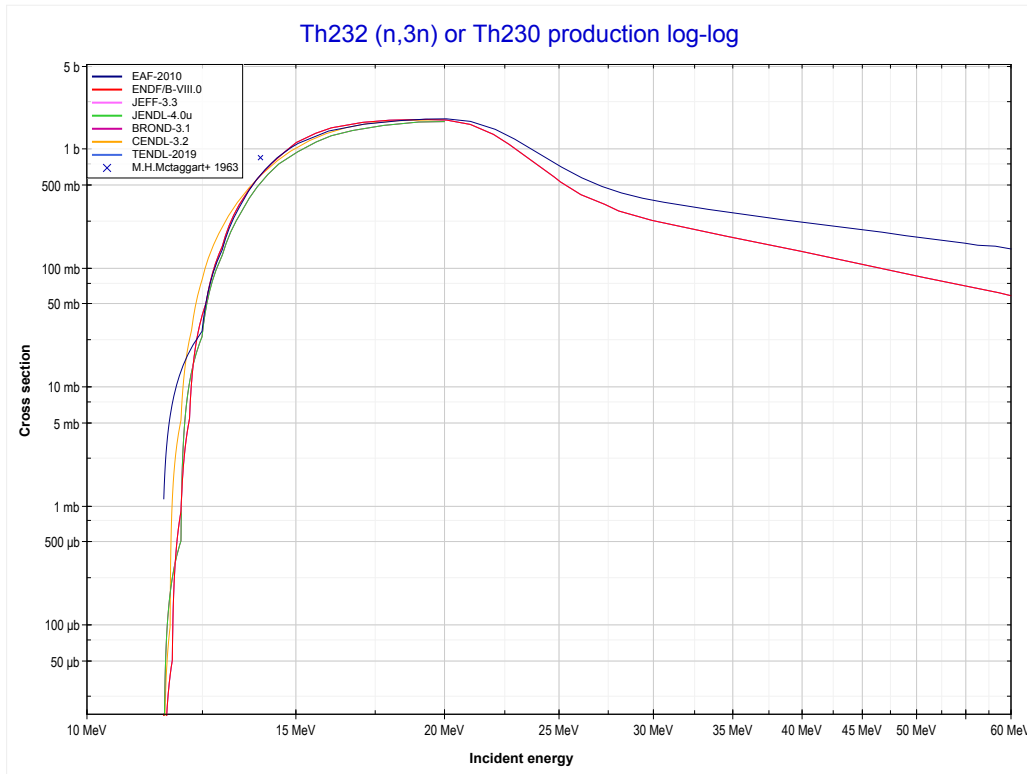
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.134966 b | 2.62659 b | 0.589906 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.134966 b | 2.62659 b | 0.589906 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.156188 b | 2.65675 b | 0.468095 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.156188 b | 2.65675 b | 0.468095 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.185098 b | 2.56075 b | 0.604164 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.134965 b | 2.62659 b | 0.589908 b |

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|---------------|--|----------------|
| << 88-Ra-226 | 90-Th-232 | 92-U-235 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Th231 production) | MT17 (n,3n) >> |



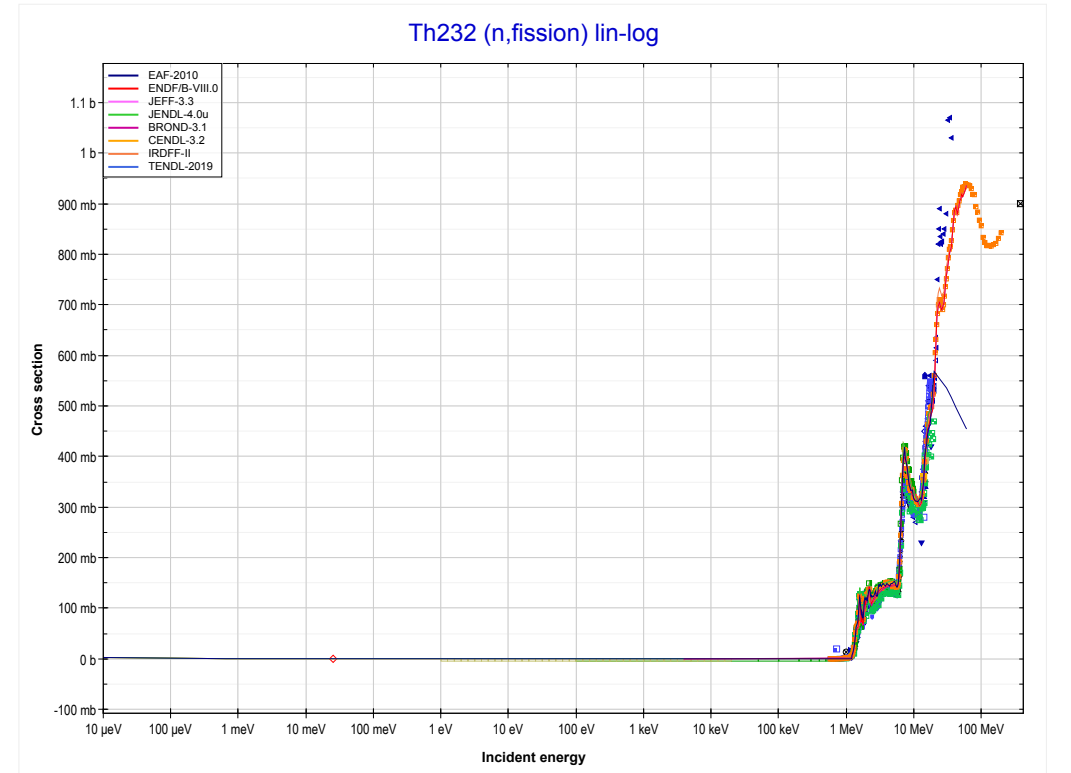
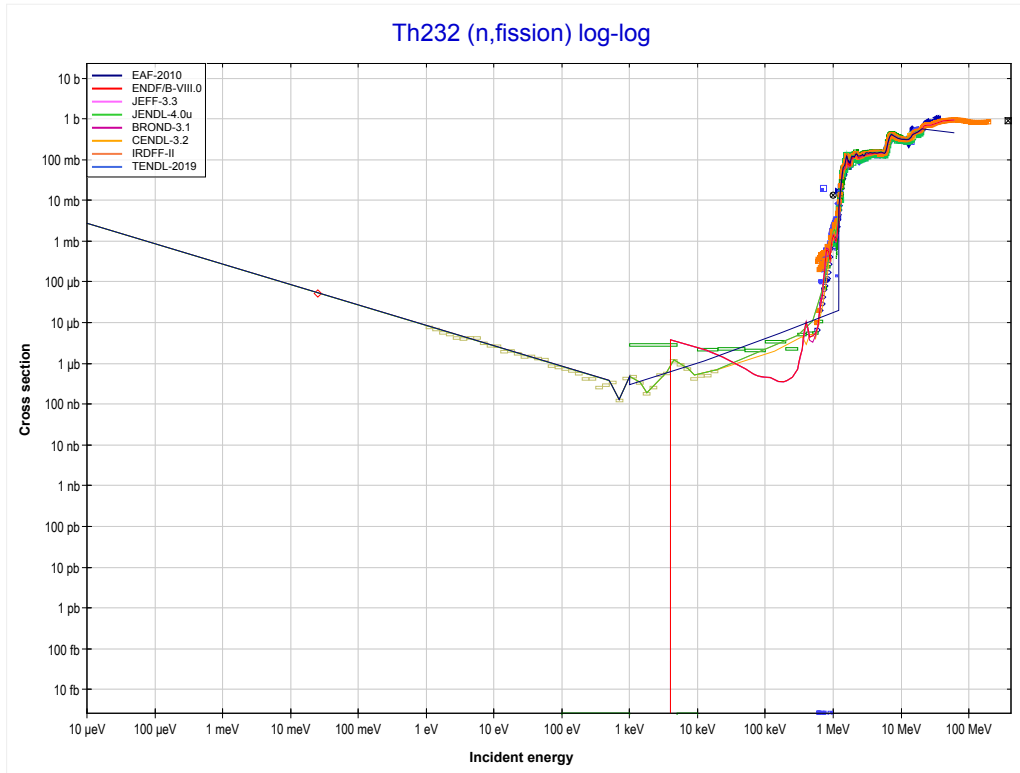
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0170955 b | 1.53469 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0212239 b | 1.54217 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0212239 b | 1.54217 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.020962 b | 1.76615 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0209233 b | 1.7104 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0195281 b | 1.5075 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0212239 b | 1.54217 b |

| | | |
|----------------|--|---------------------|
| << 88-Ra-226 | 90-Th-232 | 92-U-235 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Th230 production) | MT18 (n,fission) >> |



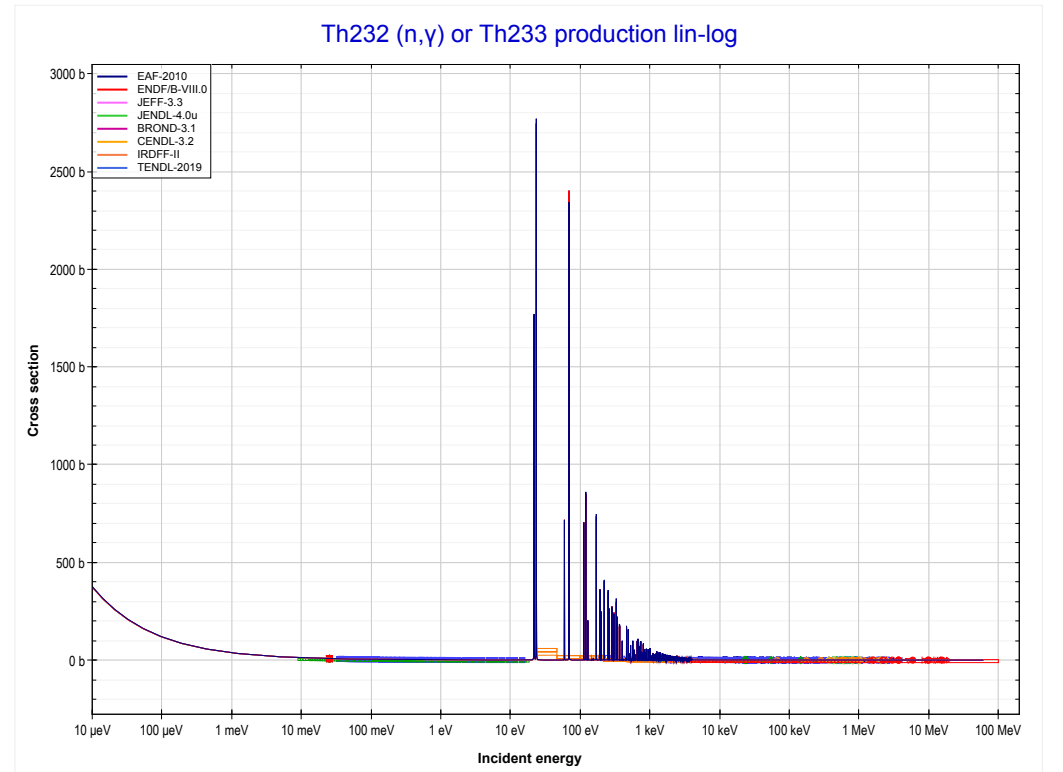
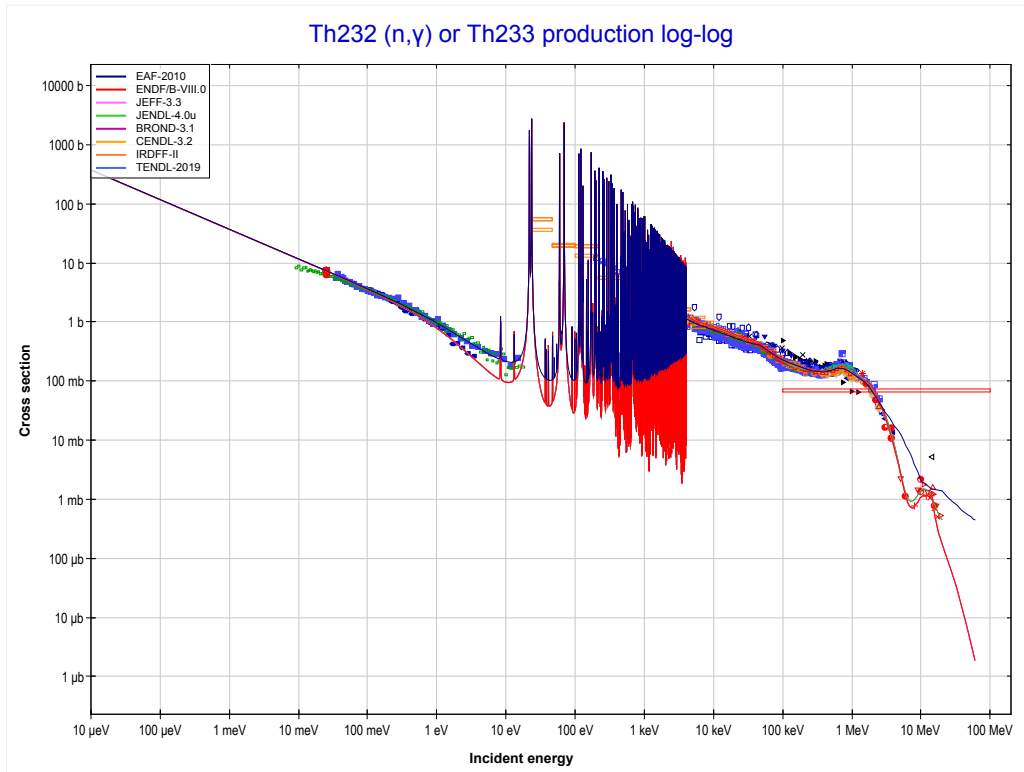
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.84722E-4 b | 0.609923 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87732E-4 b | 0.605824 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87732E-4 b | 0.605824 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.60981E-4 b | 0.521866 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.60996E-4 b | 0.521866 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.93347E-4 b | 0.60123 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.87732E-4 b | 0.605824 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 90-Th-231 | 90-Th-232 | 90-Th-233 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT102 (n, γ) >> |



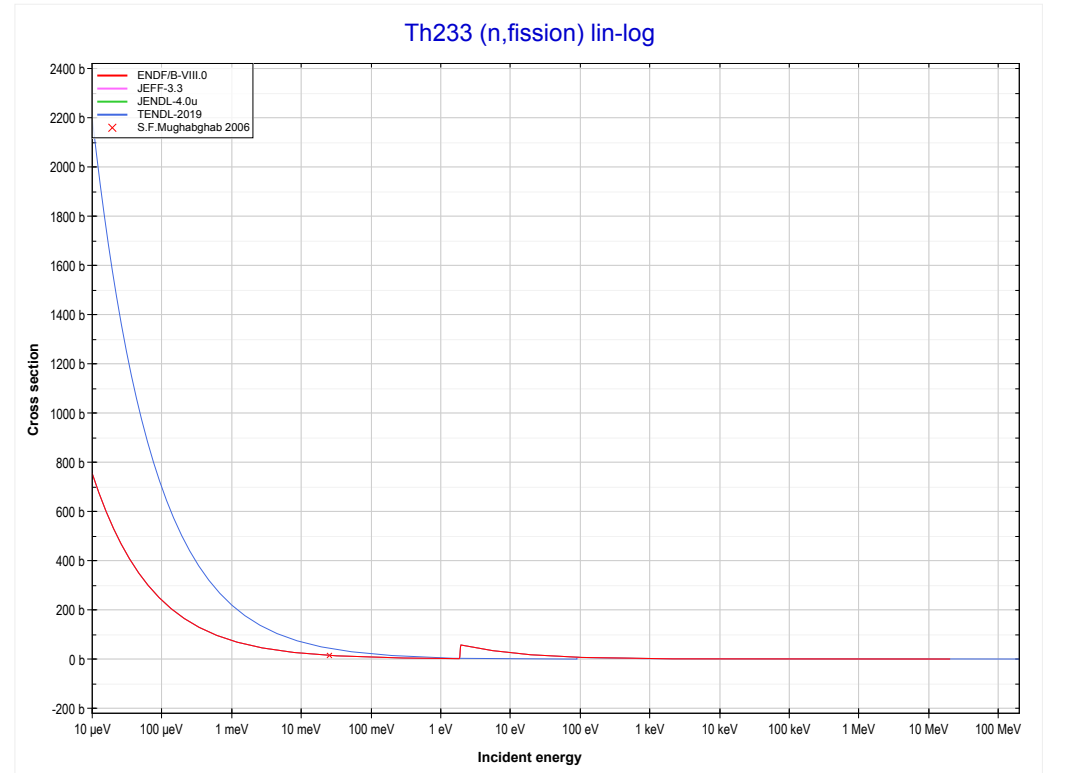
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 5.36883E-5 b | 5.36492E-5 b | 5.3714E-5 b | 1.00122 | 2.99602E-5 b | 0.0772251 b | 0.35 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 5.70192E-6 b | 0.0748206 b | 0.354885 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 5.70192E-6 b | 0.0748206 b | 0.354885 b |
| JENDL-4.0u | 5.37006E-5 b | 5.37006E-5 b | 5.3782E-5 b | 1.00151 | 2.75543E-5 b | 0.0791811 b | 0.3611 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 5.61536E-6 b | 0.0731373 b | 0.3657 b |
| CENDL-3.2 | 5.36866E-5 b | 5.36866E-5 b | 5.3751E-5 b | 1.00121 | 2.71862E-5 b | 0.076985 b | 0.34927 b |
| IRDFF-II | 5.36934E-5 b | 5.36934E-5 b | 5.3774E-5 b | 1.0015 | 2.75477E-5 b | 0.0788515 b | 0.3611 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 5.47343E-6 b | 0.0748206 b | 0.354885 b |

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|---------------------|--|-------------------------------|
| << 90-Th-230 | 90-Th-232 | 90-Th-233 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th233 production) | 90-Th-233 MT18 (n,fission) >> |



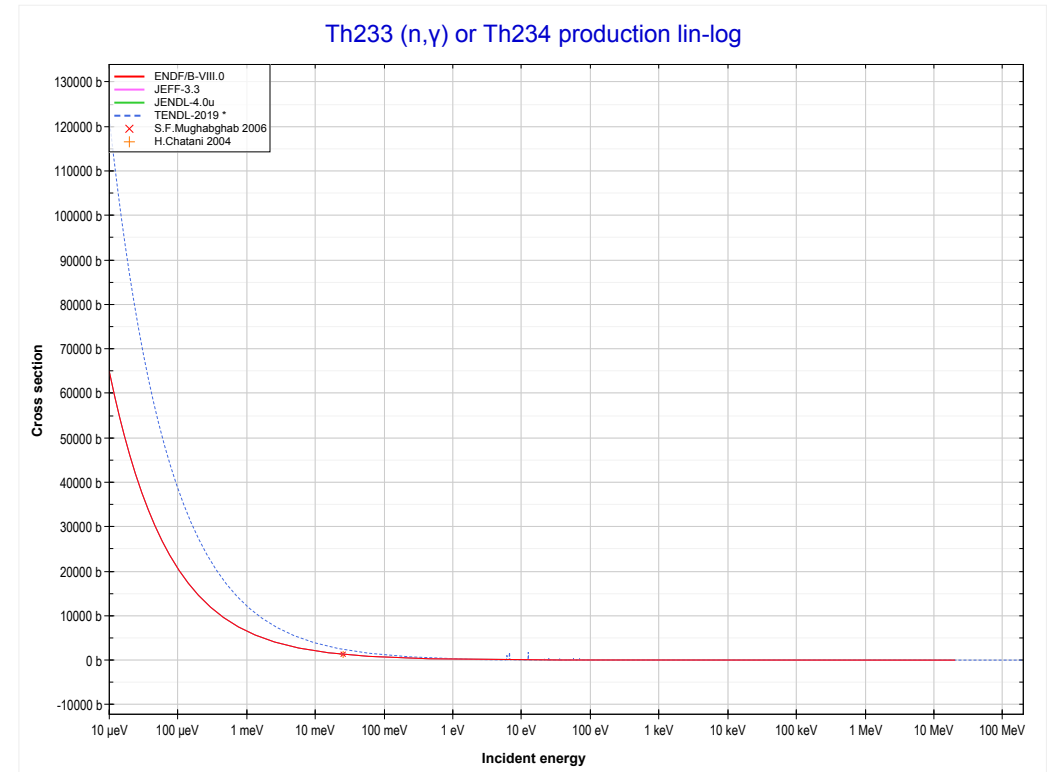
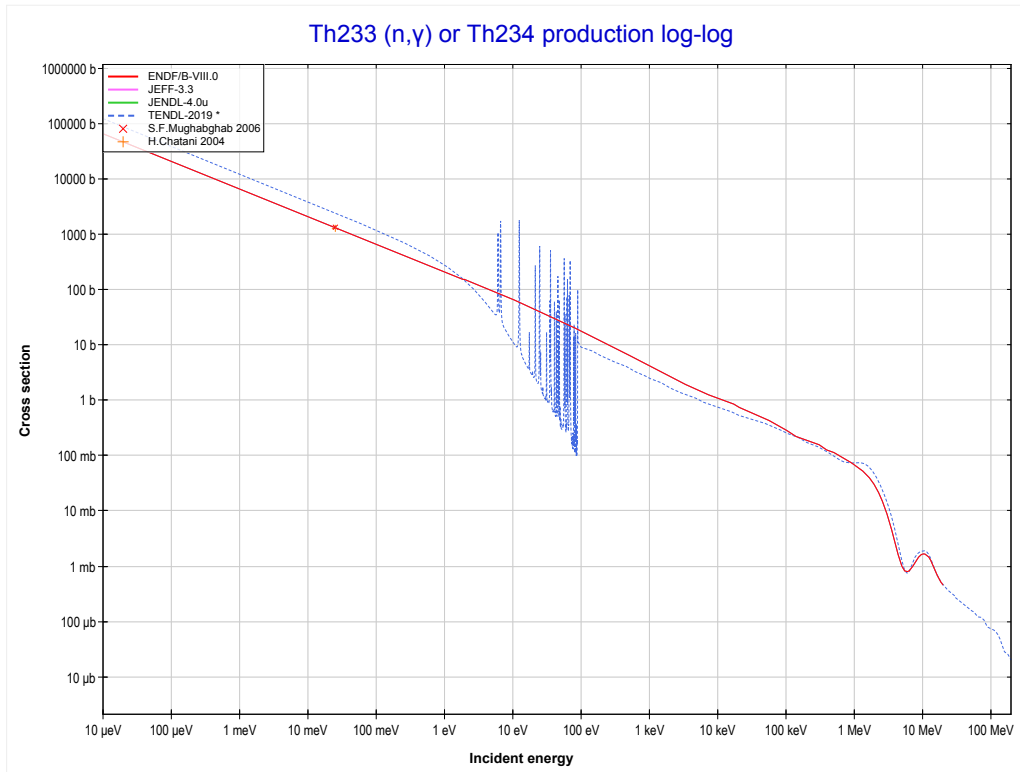
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 7.40148 b | 7.39611 b | 7.3835 b | 0.99832 | 85.4796 b | 0.0932948 b | 0.0015 b |
| ENDF/B-VIII.0 | 7.33718 b | 7.33718 b | 7.2984 b | 0.99471 | 83.863 b | 0.095214 b | 0.00115301 b |
| JEFF-3.3 | 7.33718 b | 7.33718 b | 7.2984 b | 0.99471 | 83.863 b | 0.095214 b | 0.00115301 b |
| JENDL-4.0u | 7.33781 b | 7.33781 b | 7.2984 b | 0.99463 | 83.8067 b | 0.0974013 b | 0.00113563 b |
| BROND-3.1 | 7.33774 b | 7.33774 b | 7.2986 b | 0.99466 | 83.8019 b | 0.0973816 b | 0.00113563 b |
| CENDL-3.2 | 7.33586 b | 7.33586 b | 7.2942 b | 0.99432 | 83.8492 b | 0.0935643 b | 0.00114931 b |
| IRDFF-II | 7.33725 b | 7.33725 b | 7.2971 b | 0.99453 | 83.8377 b | 0.0939455 b | 0.00114931 b |
| TENDL-2019 | 7.33586 b | 7.33586 b | 7.2942 b | 0.99432 | 83.8601 b | 0.0952237 b | 0.00115301 b |

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|--------------------------|-------------------------|----------------|
| << 90-Th-232 | 90-Th-233 | 90-Th-234 >> |
| << 90-Th-232 MT102 (n,γ) | MT18 (n,fission) | MT102 (n,γ) >> |



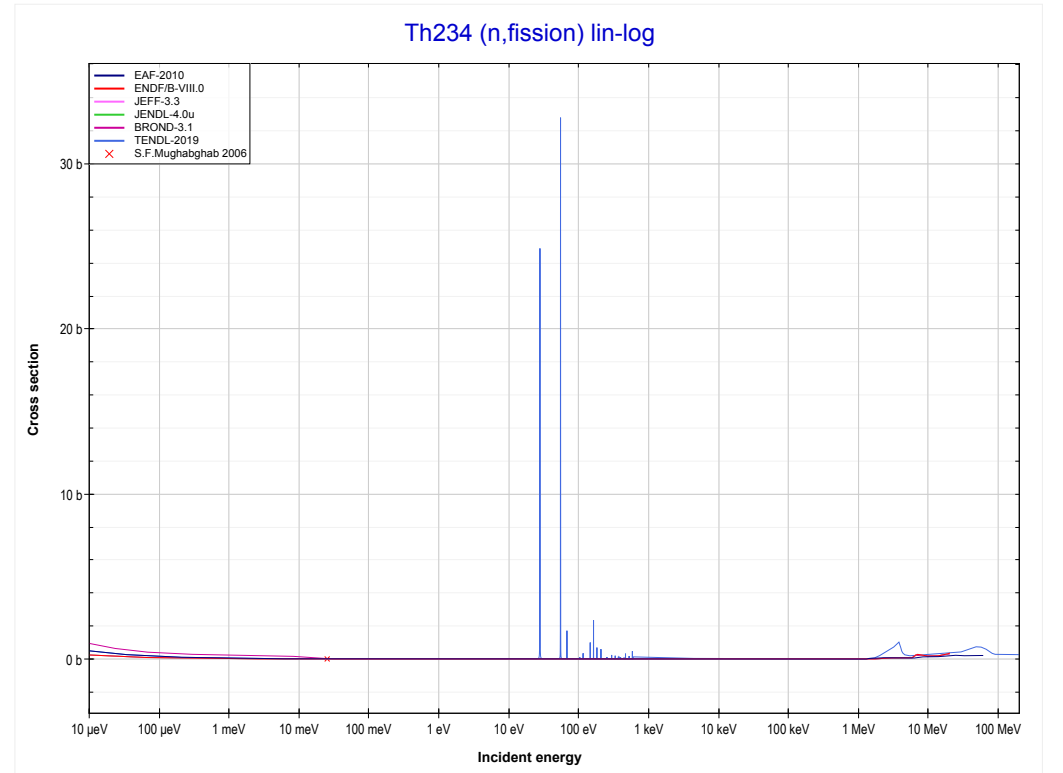
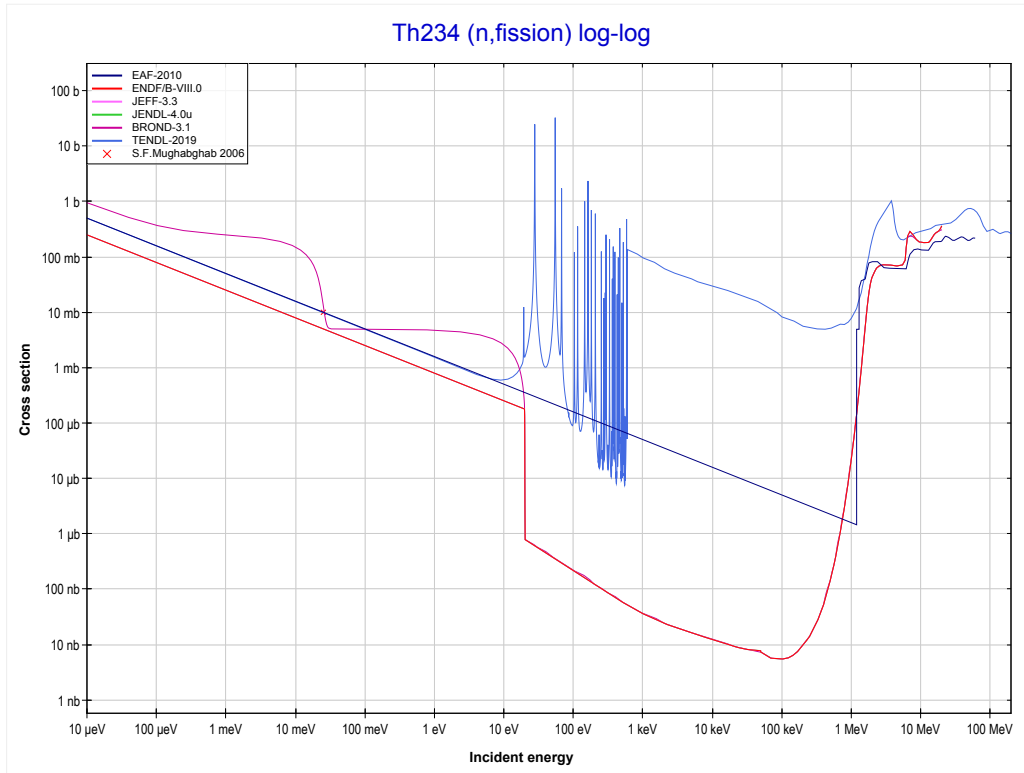
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.0037 b | 15.0037 b | 15.009 b | 1.00037 | 114.603 b | 0.100835 b | 0.400213 b |
| JEFF-3.3 | 15.0037 b | 15.0037 b | 15.009 b | 1.00037 | 114.603 b | 0.100835 b | 0.400213 b |
| JENDL-4.0u | 15.0037 b | 15.0037 b | 15.009 b | 1.00037 | 114.603 b | 0.100835 b | 0.400213 b |
| TENDL-2019 | 43.3754 b | 43.3754 b | 43.189 b | 0.9957 | 21.6485 b | 0.363171 b | 0.10074 b |

| | | |
|---------------------|--|-------------------------------|
| << 90-Th-232 | 90-Th-233 | 90-Th-234 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th234 production) | 90-Th-234 MT18 (n,fission) >> |



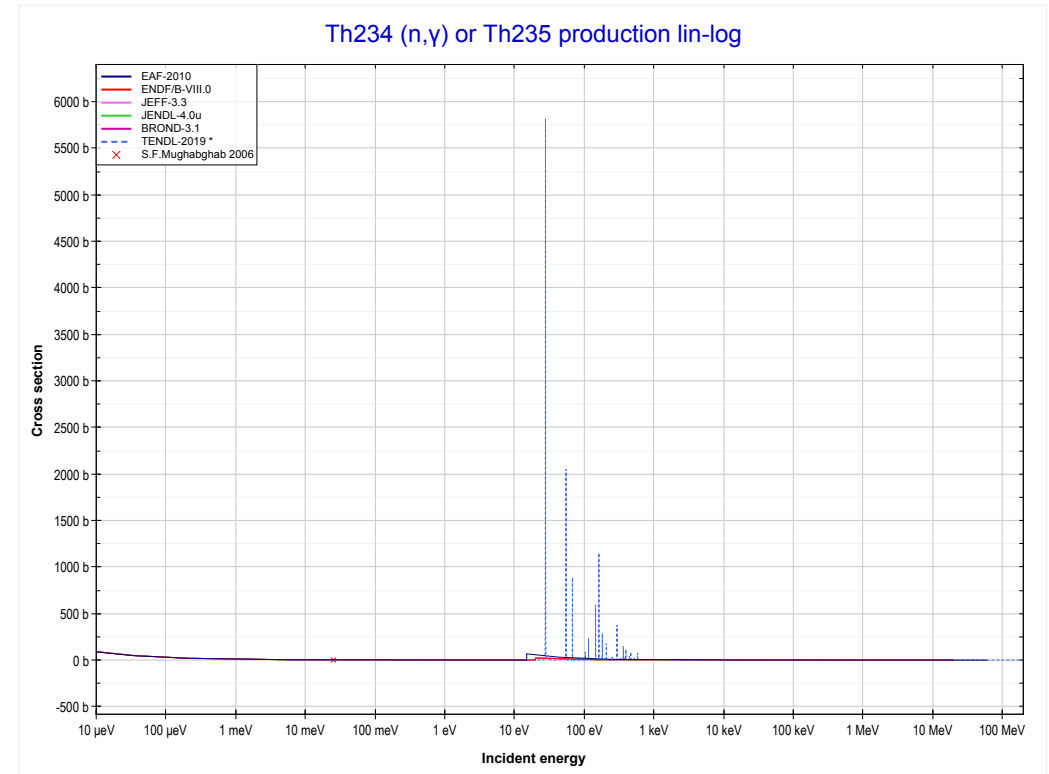
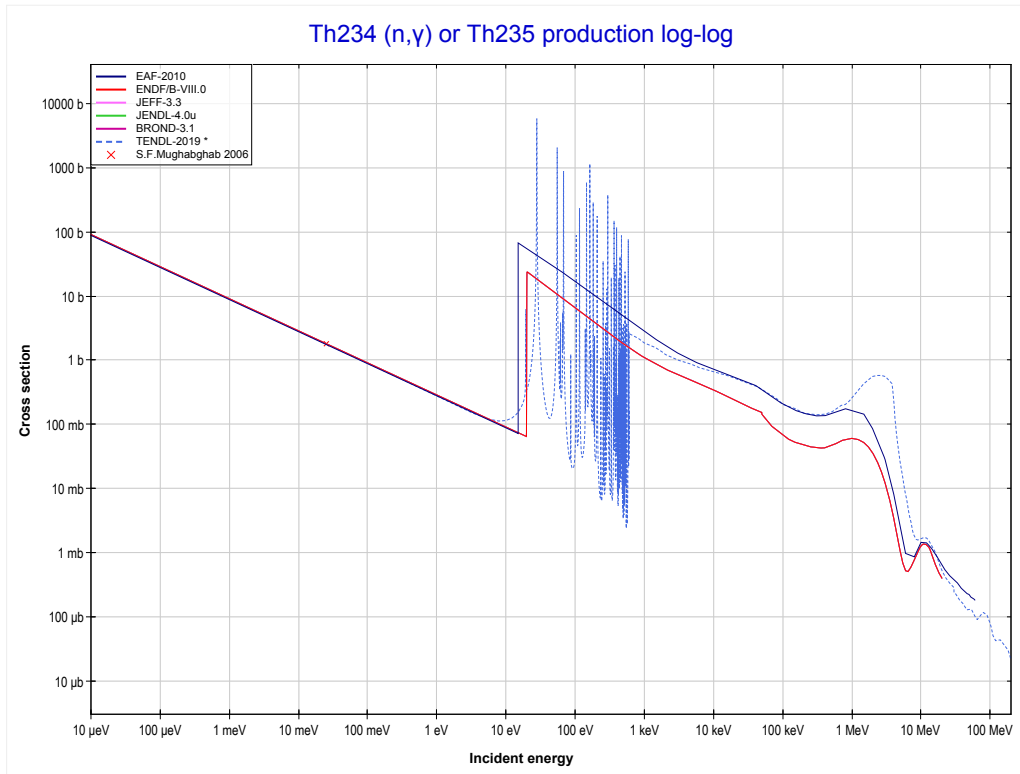
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 1290.41 b | 1290.41 b | 1291.8 b | 1.00108 | 574.176 b | 0.0601054 b | 0.00112513 b |
| JEFF-3.3 | 1290.41 b | 1290.41 b | 1291.8 b | 1.00108 | 574.176 b | 0.0601054 b | 0.00112513 b |
| JENDL-4.0u | 1290.41 b | 1290.41 b | 1291.8 b | 1.00108 | 574.176 b | 0.0601054 b | 0.00112513 b |
| TENDL-2019 | 2400.28 b | 2400.28 b | 2390.4 b | 0.9959 | 602.16 b | 0.0632743 b | 0.00117209 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 90-Th-233 | 90-Th-234 | 91-Pa-229 >> |
| << 90-Th-233 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



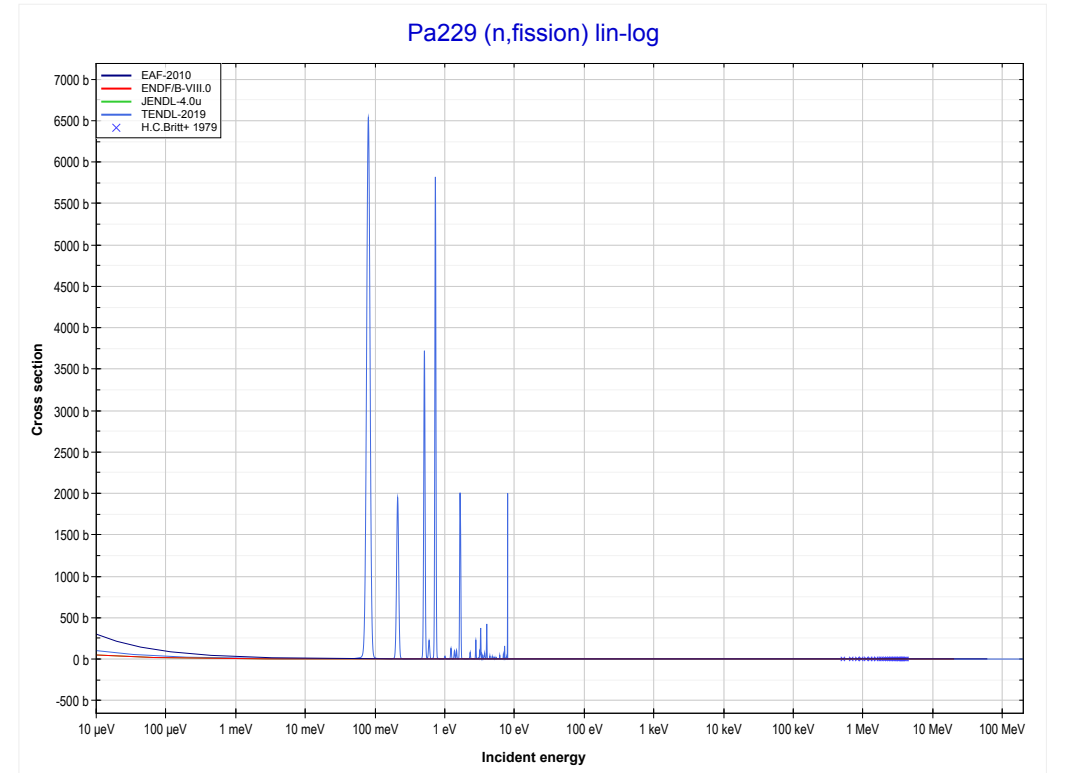
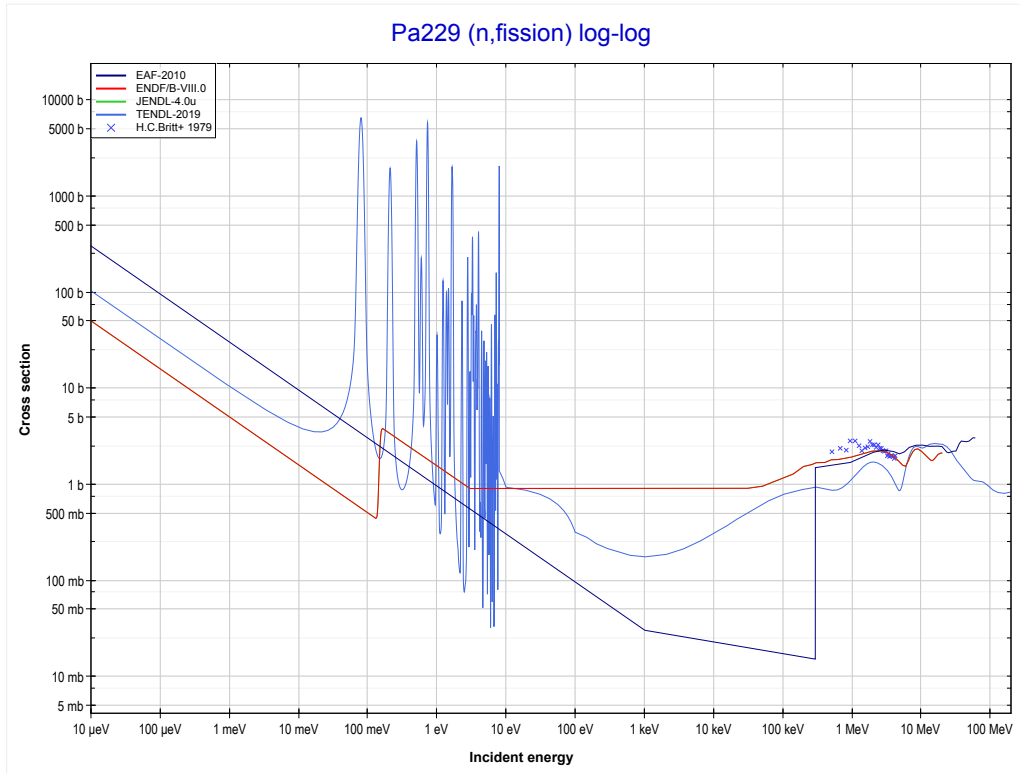
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.01 b | 0.0099925 b | 0.0099931 b | 1.00005 | 0.00449028 b | 0.0390991 b | 0.15 b |
| ENDF/B-VIII.0 | 0.00500146 b | 0.00500146 b | 0.0050057 b | 1.00085 | 0.00191405 b | 0.0338763 b | 0.202153 b |
| JEFF-3.3 | 0.00500146 b | 0.00500146 b | 0.0050057 b | 1.00085 | 0.00191405 b | 0.0338763 b | 0.202153 b |
| JENDL-4.0u | 0.00500146 b | 0.00500146 b | 0.0050057 b | 1.00085 | 0.00191405 b | 0.0338763 b | 0.202153 b |
| BROND-3.1 | 0.0128447 b | 0.0128447 b | 0.034181 b | 2.66111 | 0.0137628 b | 0.0334484 b | 0.20215 b |
| TENDL-2019 | 0.00995755 b | 0.00995755 b | 0.0099538 b | 0.99962 | 0.703848 b | 0.211481 b | 0.325052 b |

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|---------------------|--|-------------------------------|
| << 90-Th-233 | 90-Th-234 | 91-Pa-231 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Th235 production) | 91-Pa-229 MT18 (n,fission) >> |



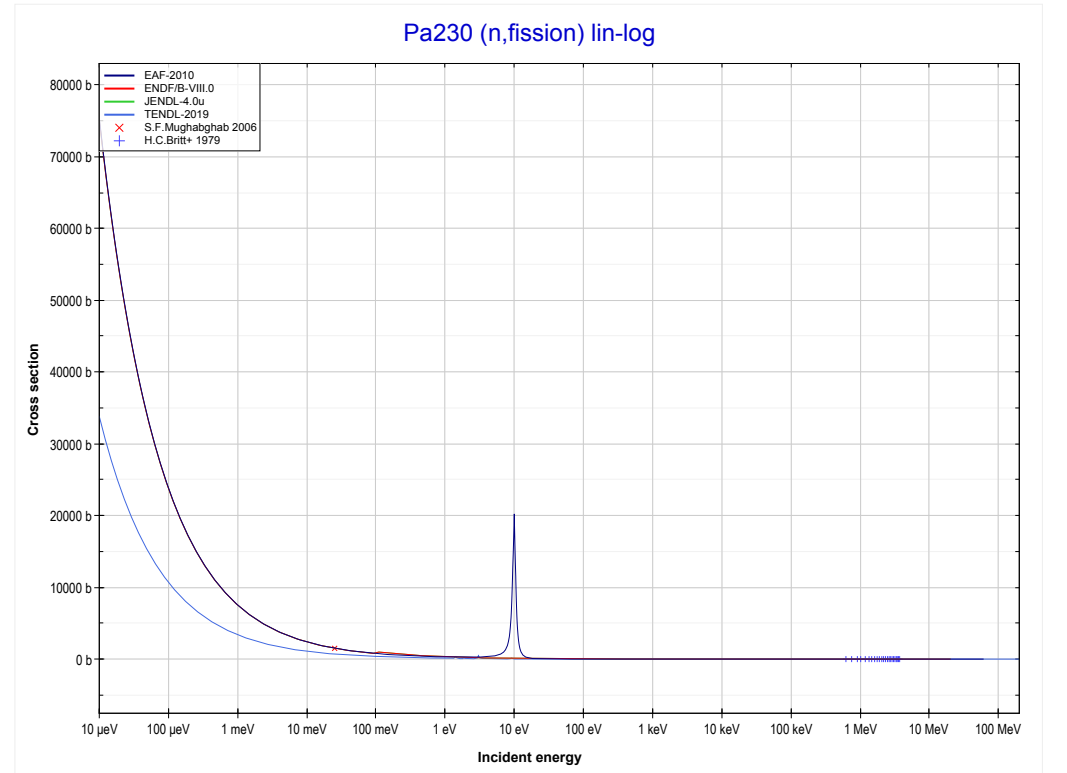
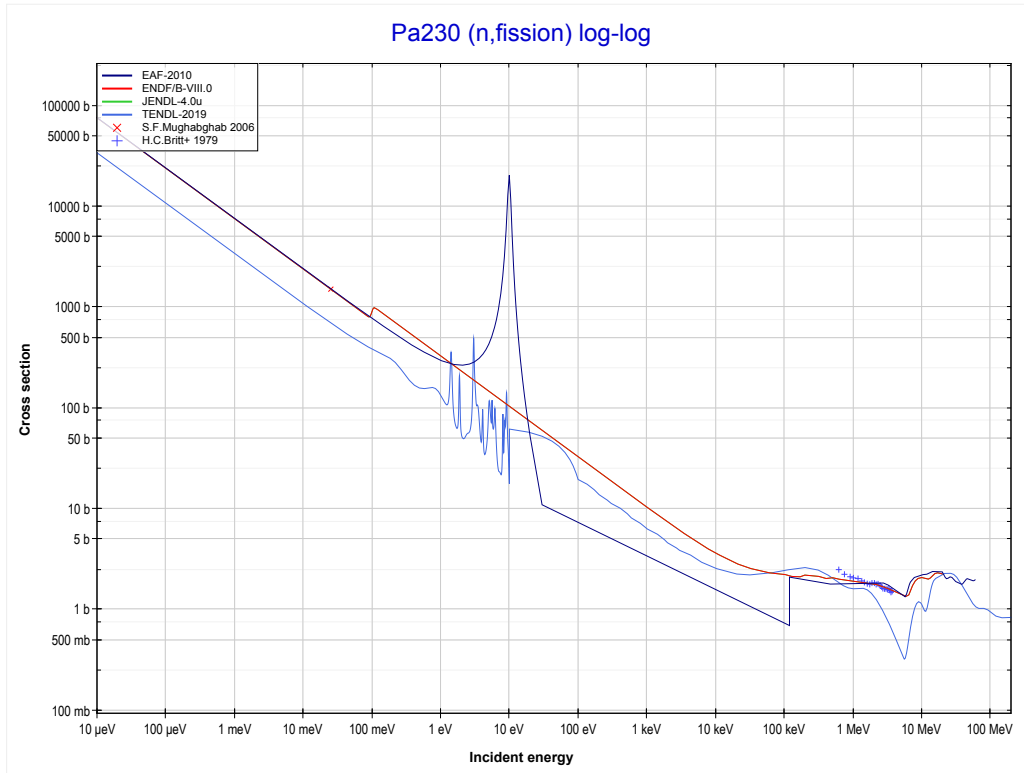
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.75 b | 1.74869 b | 1.7485 b | 0.99988 | 93.2035 b | 0.102141 b | 0.00119 b |
| ENDF/B-VIII.0 | 1.80049 b | 1.80049 b | 1.8016 b | 1.00063 | 31.2496 b | 0.0374991 b | 0.00100741 b |
| JEFF-3.3 | 1.80049 b | 1.80049 b | 1.8016 b | 1.00063 | 31.2496 b | 0.0374991 b | 0.00100741 b |
| JENDL-4.0u | 1.80049 b | 1.80049 b | 1.8016 b | 1.00063 | 31.2496 b | 0.0374991 b | 0.00100741 b |
| BROND-3.1 | 1.80083 b | 1.80083 b | 1.8017 b | 1.00051 | 31.2655 b | 0.037493 b | 0.00100818 b |
| TENDL-2019 | 1.79345 b | 1.79345 b | 1.7918 b | 0.99907 | 89.3595 b | 0.335699 b | 0.00133263 b |

| | | |
|-----------------------------------|-------------------------|-------------------------------|
| << 90-Th-234 | 91-Pa-229 | 91-Pa-230 >> |
| << 90-Th-234 MT102 (n, γ) | MT18 (n,fission) | 91-Pa-230 MT18 (n,fission) >> |



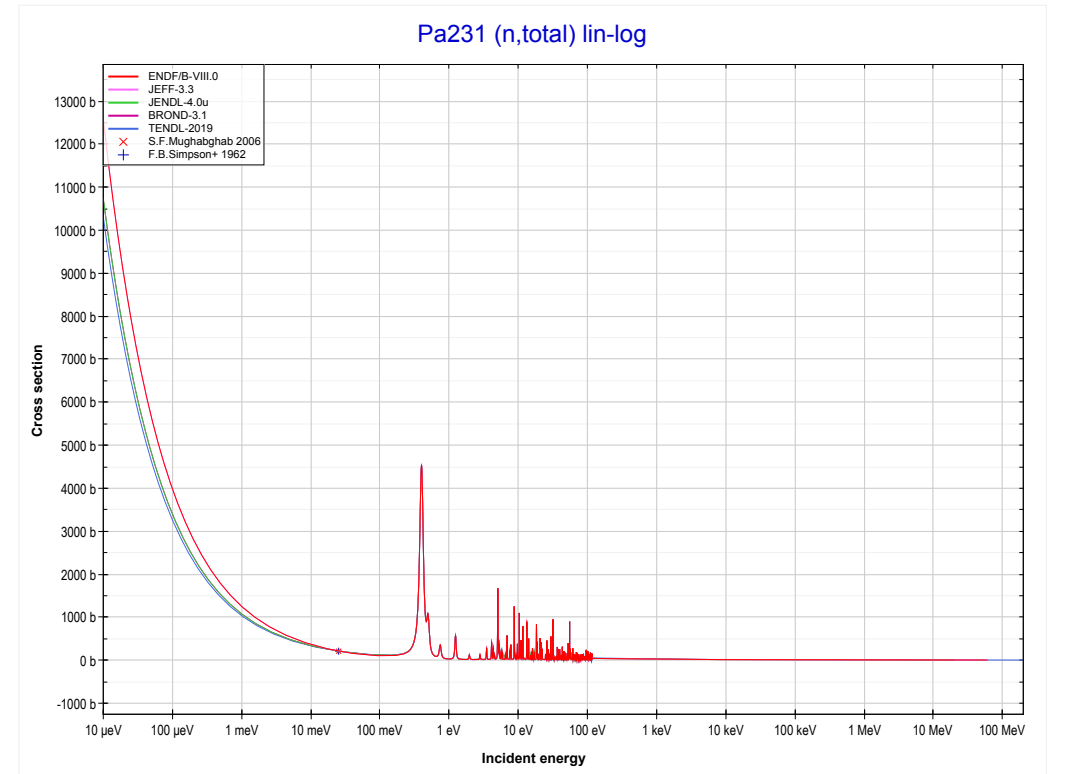
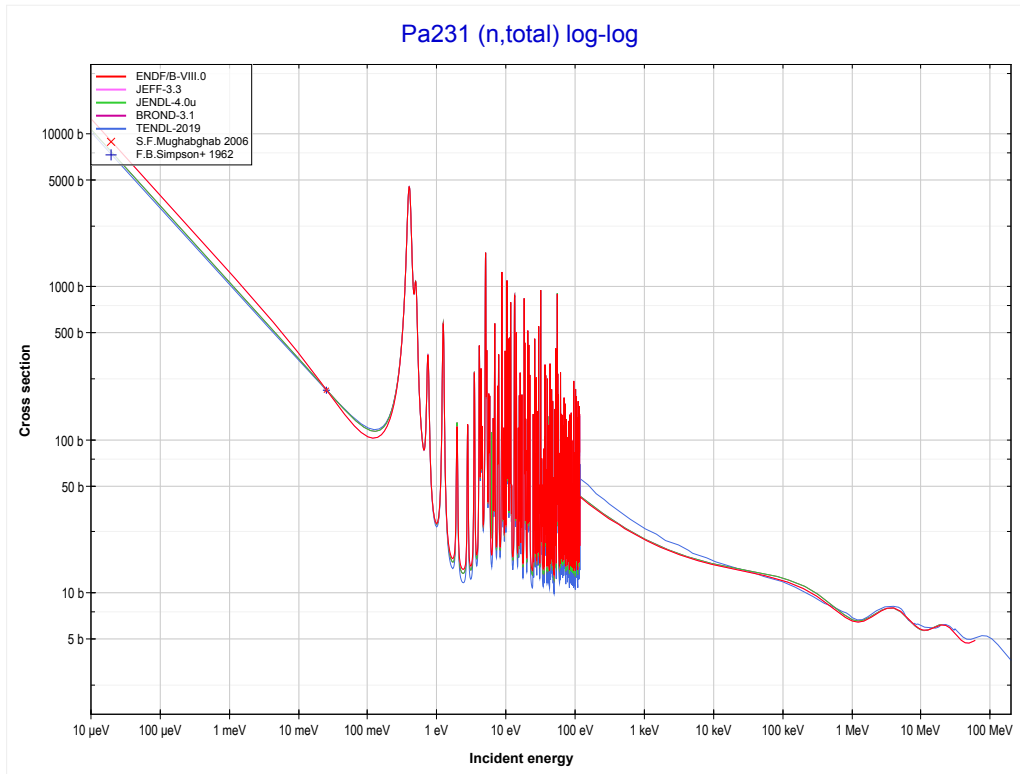
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 6 b | 5.9955 b | 5.9957 b | 1.00004 | 2.7457 b | 1.82815 b | 2.4852 b |
| ENDF/B-VIII.0 | 1.00014 b | 1.00014 b | 1.0707 b | 1.07052 | 12.0948 b | 1.95624 b | 1.75962 b |
| JENDL-4.0u | 1.00014 b | 1.00014 b | 1.0707 b | 1.07052 | 12.0948 b | 1.95624 b | 1.75962 b |
| TENDL-2019 | 3.57872 b | 3.57872 b | 432.75 b | 99.9999 | 595.04 b | 1.28842 b | 2.6332 b |

| | | |
|-------------------------------|-------------------------|----------------------------|
| << 91-Pa-229 | 91-Pa-230 | 91-Pa-231 >> |
| << 91-Pa-229 MT18 (n,fission) | MT18 (n,fission) | 91-Pa-231 MT1 (n,total) >> |



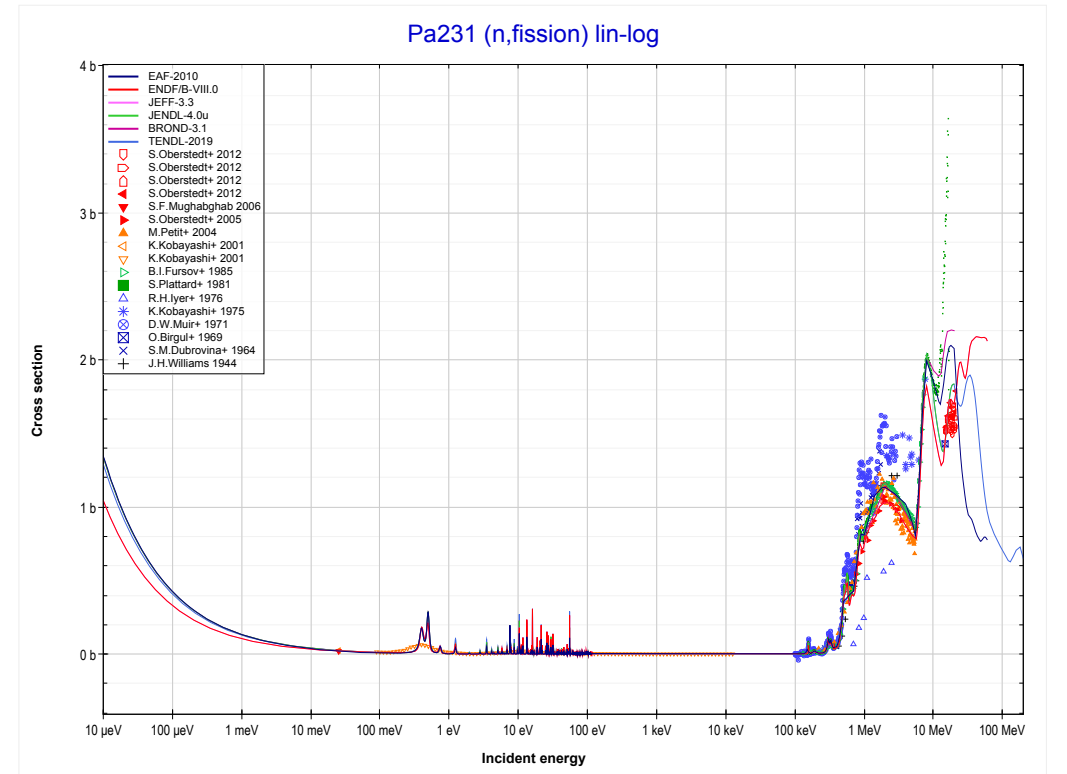
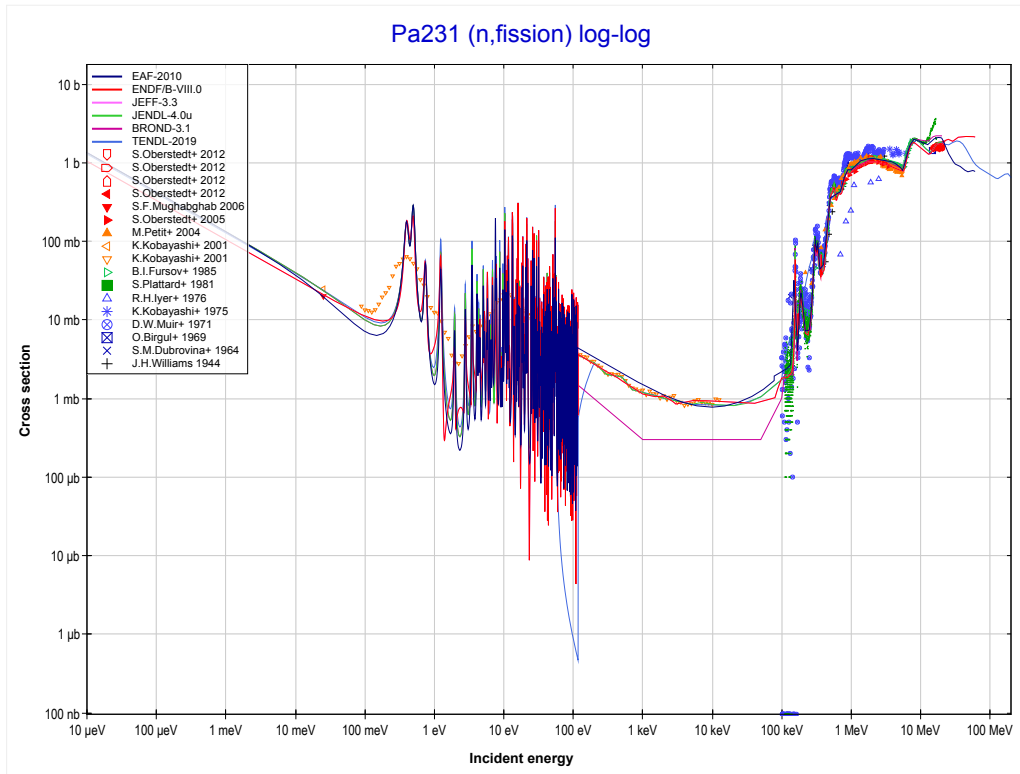
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1507.99 b | 1506.87 b | 1511.4 b | 1.003 | 4405.67 b | 1.75777 b | 2.3601 b |
| ENDF/B-VIII.0 | 1500.02 b | 1500.02 b | 1525.7 b | 1.0171 | 926.071 b | 1.81623 b | 2.10649 b |
| JENDL-4.0u | 1500.02 b | 1500.02 b | 1525.7 b | 1.0171 | 926.071 b | 1.81623 b | 2.10649 b |
| TENDL-2019 | 690.44 b | 690.44 b | 702.51 b | 1.01748 | 467.755 b | 1.41372 b | 1.68942 b |

| | | |
|-------------------------------|----------------------|---------------------|
| << 90-Th-232 | 91-Pa-231 | 91-Pa-233 >> |
| << 91-Pa-230 MT18 (n,fission) | MT1 (n,total) | MT18 (n,fission) >> |



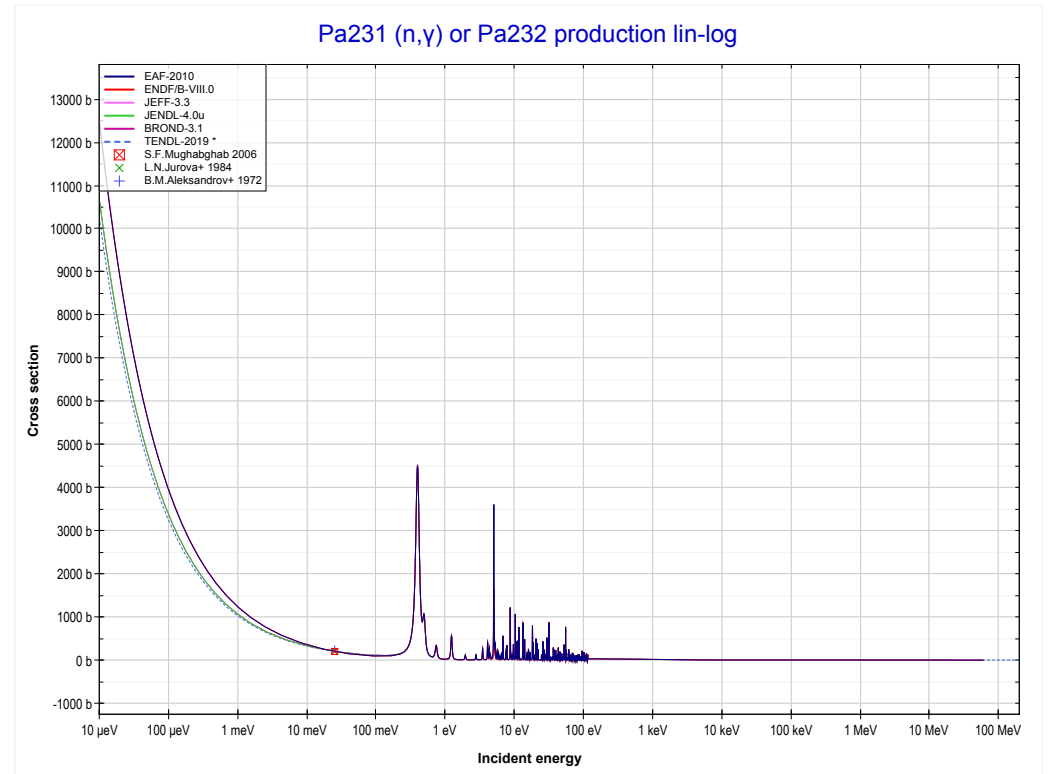
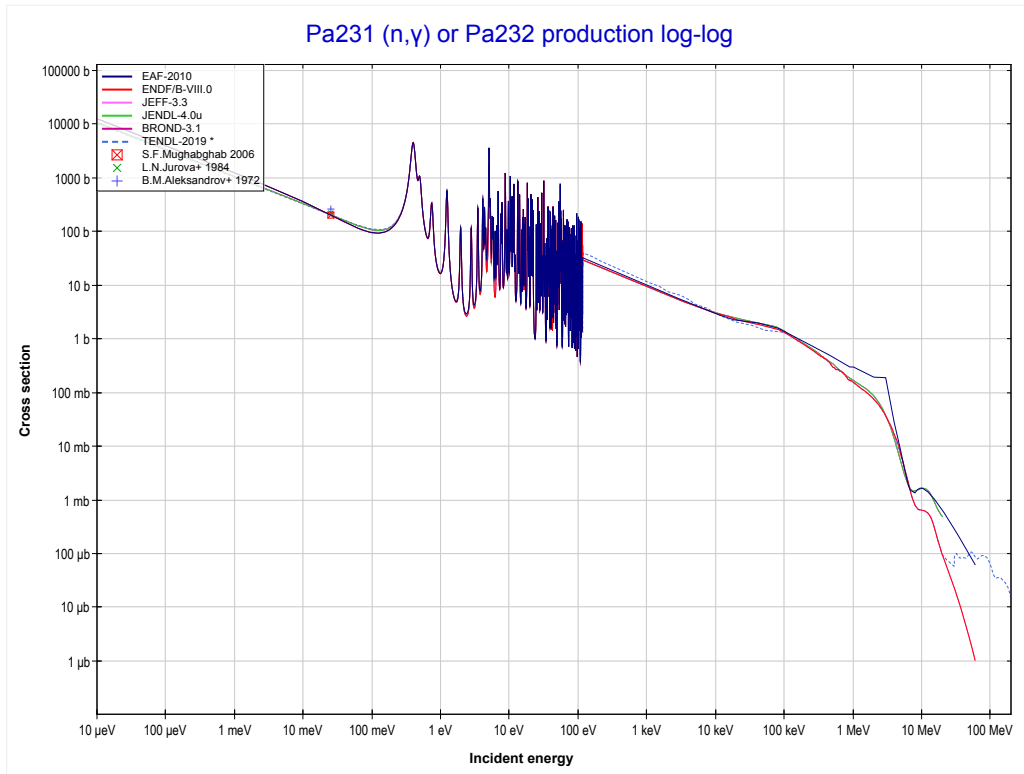
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 211.919 b | 211.919 b | 214.7 b | 1.01314 | 694.33 b | 7.51991 b | 5.78736 b |
| JEFF-3.3 | 211.919 b | 211.919 b | 214.7 b | 1.01314 | 694.33 b | 7.51991 b | 5.78736 b |
| JENDL-4.0u | 212.276 b | 212.276 b | 216.67 b | 1.0207 | 695.668 b | 7.64291 b | 5.8217 b |
| BROND-3.1 | 212.276 b | 212.276 b | 216.67 b | 1.0207 | 695.787 b | 7.64436 b | 5.82306 b |
| TENDL-2019 | 210.487 b | 210.487 b | 215.83 b | 1.02539 | 702.707 b | 7.73034 b | 5.93141 b |

| | | |
|------------------|-------------------------|-------------------------|
| << 91-Pa-230 | 91-Pa-231 | 91-Pa-232 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



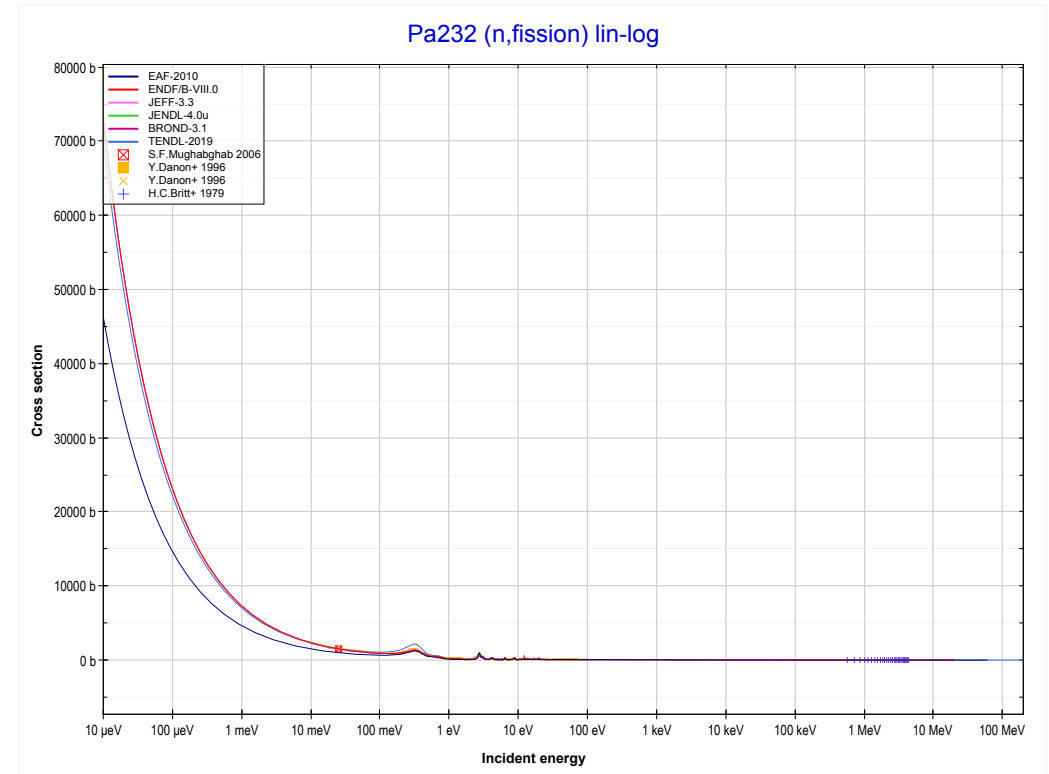
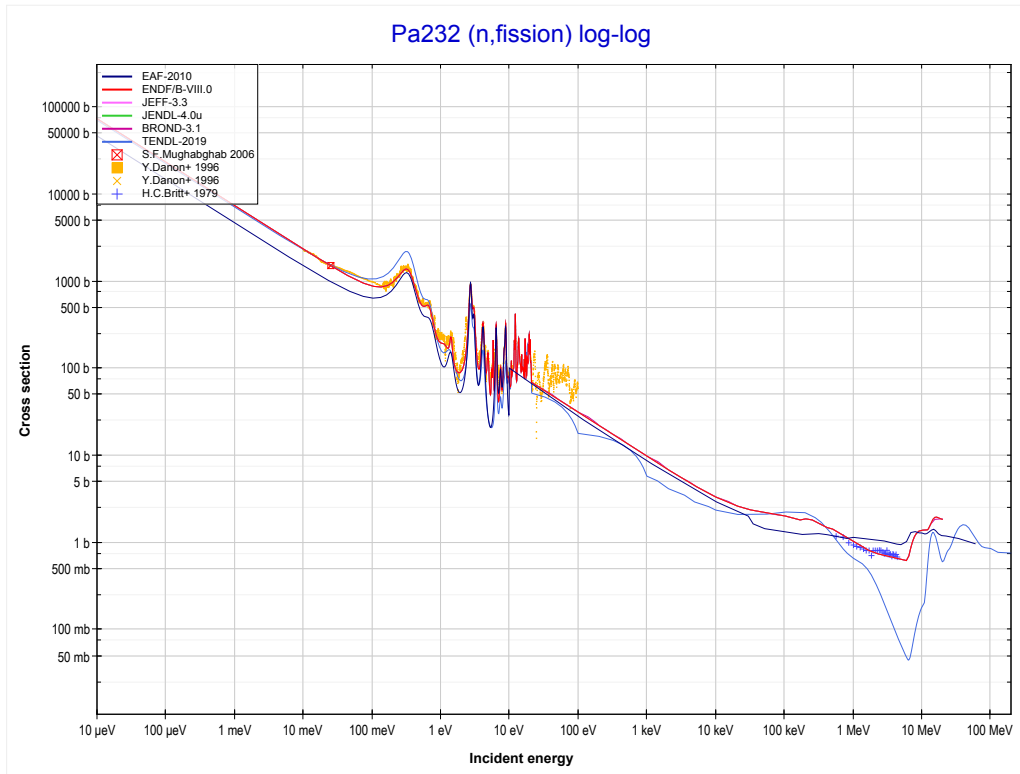
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0196521 b | 0.0196342 b | 0.019219 b | 0.9787 | 0.0661942 b | 0.84413 b | 1.82434 b |
| ENDF/B-VIII.0 | 0.0208714 b | 0.0208714 b | 0.021143 b | 1.013 | 0.076635 b | 0.762114 b | 1.31 b |
| JEFF-3.3 | 0.0208714 b | 0.0208714 b | 0.021143 b | 1.013 | 0.0766349 b | 0.762114 b | 1.31 b |
| JENDL-4.0u | 0.0236433 b | 0.0236433 b | 0.023149 b | 0.97908 | 0.0782052 b | 0.841287 b | 1.37668 b |
| BROND-3.1 | 0.0236433 b | 0.0236433 b | 0.023149 b | 0.97908 | 0.072138 b | 0.826012 b | 2.035 b |
| TENDL-2019 | 0.0238527 b | 0.0238527 b | 0.023554 b | 0.98749 | 0.0903618 b | 0.840512 b | 1.37668 b |

| | | |
|---------------------|--|-------------------------------|
| << 90-Th-234 | 91-Pa-231 | 91-Pa-232 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pa232 production) | 91-Pa-232 MT18 (n,fission) >> |



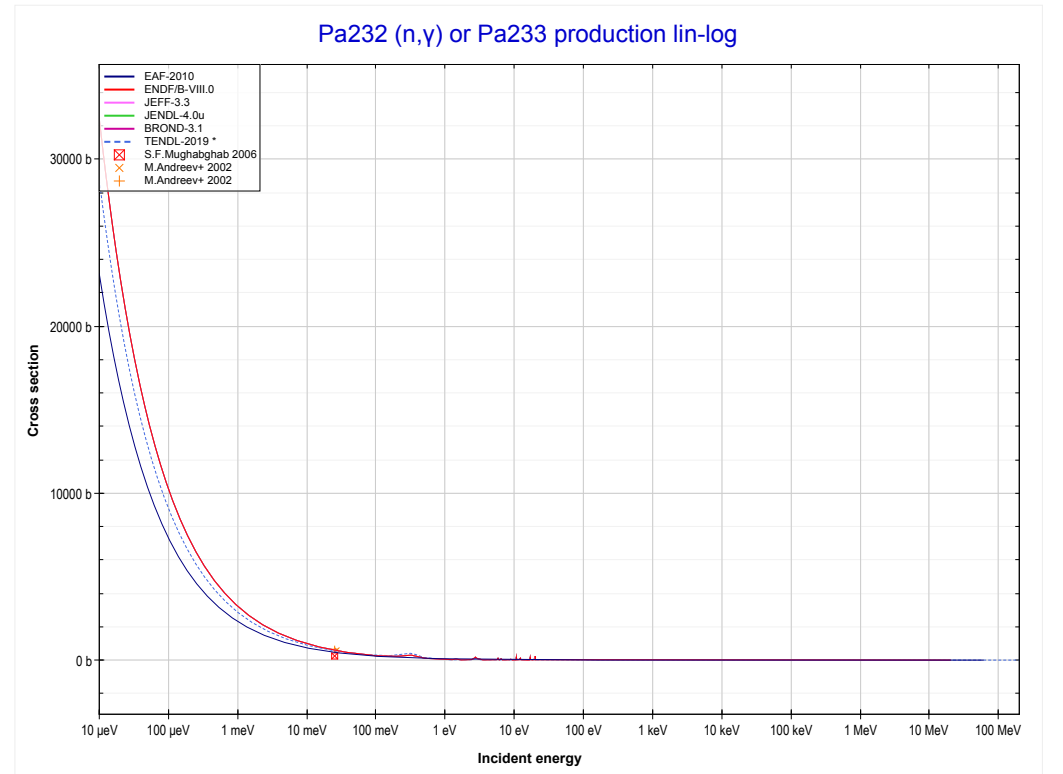
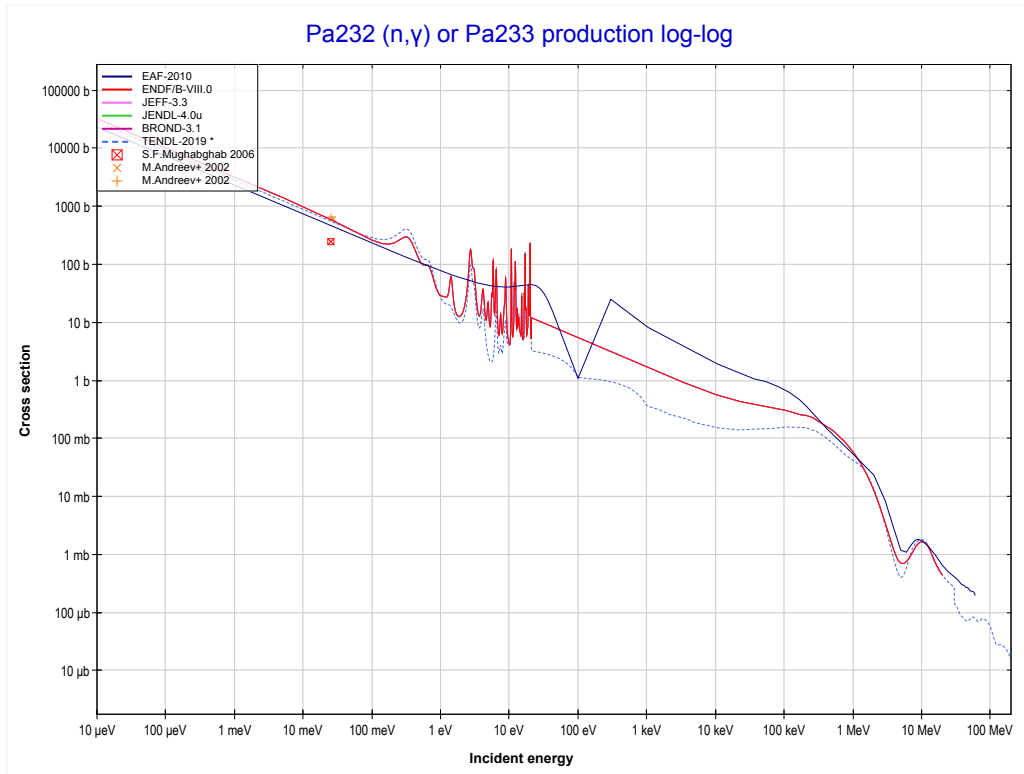
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 200.908 b | 200.714 b | 202.25 b | 1.00745 | 593.436 b | 0.288962 b | 0.00118953 b |
| ENDF/B-VIII.0 | 200.677 b | 200.677 b | 202.17 b | 1.00743 | 535.357 b | 0.181968 b | 4.3793E-4 b |
| JEFF-3.3 | 200.677 b | 200.677 b | 202.17 b | 1.00743 | 535.357 b | 0.181968 b | 4.3793E-4 b |
| JENDL-4.0u | 201.666 b | 201.666 b | 204.85 b | 1.0158 | 540.464 b | 0.193326 b | 0.00118878 b |
| BROND-3.1 | 201.666 b | 201.666 b | 204.85 b | 1.0158 | 540.416 b | 0.193272 b | 0.00118933 b |
| TENDL-2019 | 200.305 b | 200.305 b | 204.59 b | 1.02137 | 552.127 b | 0.180998 b | 4.3793E-4 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 91-Pa-231 | 91-Pa-232 | 91-Pa-233 >> |
| << 91-Pa-231 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



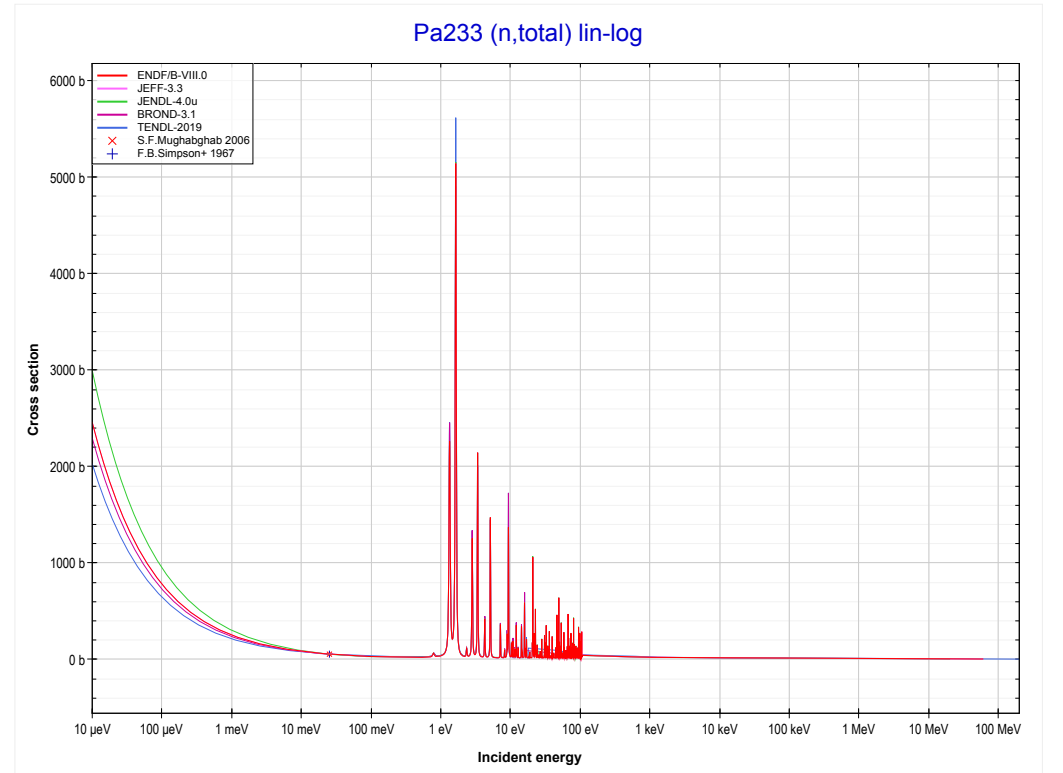
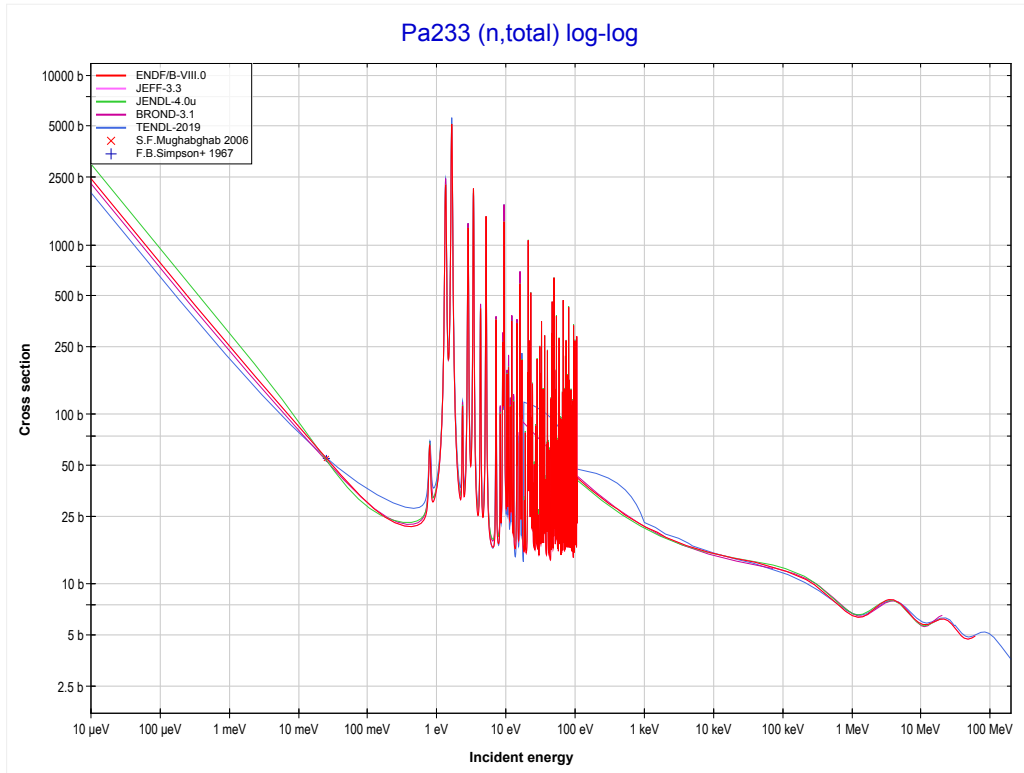
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 977.848 b | 977.233 b | 1029.8 b | 1.05391 | 722.782 b | 1.10029 b | 1.381 b |
| ENDF/B-VIII.0 | 1487.14 b | 1487.14 b | 1535.2 b | 1.03234 | 925.968 b | 0.983914 b | 1.71447 b |
| JEFF-3.3 | 1487.14 b | 1487.14 b | 1535.2 b | 1.03234 | 925.968 b | 0.983914 b | 1.71447 b |
| JENDL-4.0u | 1487.14 b | 1487.14 b | 1535.2 b | 1.03234 | 925.968 b | 0.983914 b | 1.71447 b |
| BROND-3.1 | 1487.14 b | 1487.14 b | 1535.2 b | 1.03234 | 927.633 b | 0.984488 b | 1.6745 b |
| TENDL-2019 | 1515.23 b | 1515.23 b | 1618.6 b | 1.06825 | 789.534 b | 0.625931 b | 1.23372 b |

| | | |
|---------------------|--|----------------------------|
| << 91-Pa-231 | 91-Pa-232 | 91-Pa-233 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pa233 production) | 91-Pa-233 MT1 (n,total) >> |



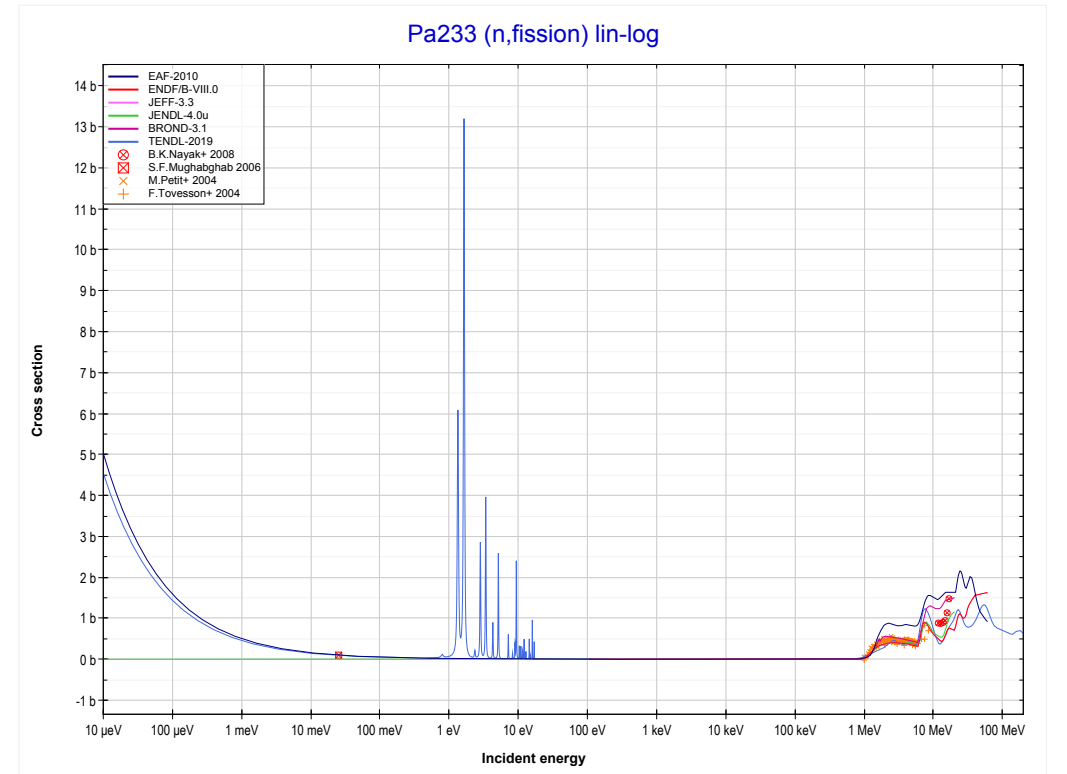
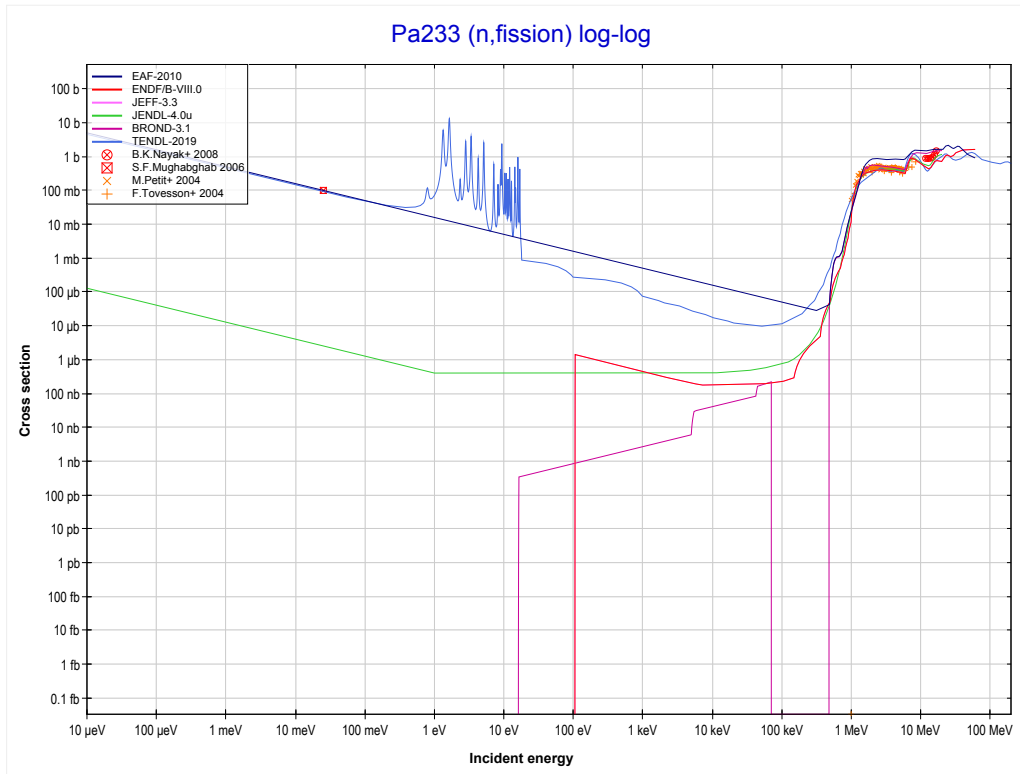
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 460.677 b | 460.332 b | 460.7 b | 1.0008 | 283.594 b | 0.0748984 b | 0.0011904 b |
| ENDF/B-VIII.0 | 588.92 b | 588.92 b | 580.2 b | 0.98519 | 165.054 b | 0.0574755 b | 0.00102071 b |
| JEFF-3.3 | 588.92 b | 588.92 b | 580.2 b | 0.98519 | 165.054 b | 0.0574755 b | 0.00102071 b |
| JENDL-4.0u | 588.92 b | 588.92 b | 580.2 b | 0.98519 | 165.054 b | 0.0574755 b | 0.00102071 b |
| BROND-3.1 | 588.92 b | 588.92 b | 580.2 b | 0.98519 | 165.019 b | 0.0573963 b | 0.00102071 b |
| TENDL-2019 | 554.136 b | 554.136 b | 558.65 b | 1.00814 | 124.073 b | 0.0374013 b | 9.89621E-4 b |

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|-----------------------------------|----------------------|---------------------|
| << 91-Pa-231 | 91-Pa-233 | 92-U-232 >> |
| << 91-Pa-232 MT102 (n, γ) | MT1 (n,total) | MT18 (n,fission) >> |



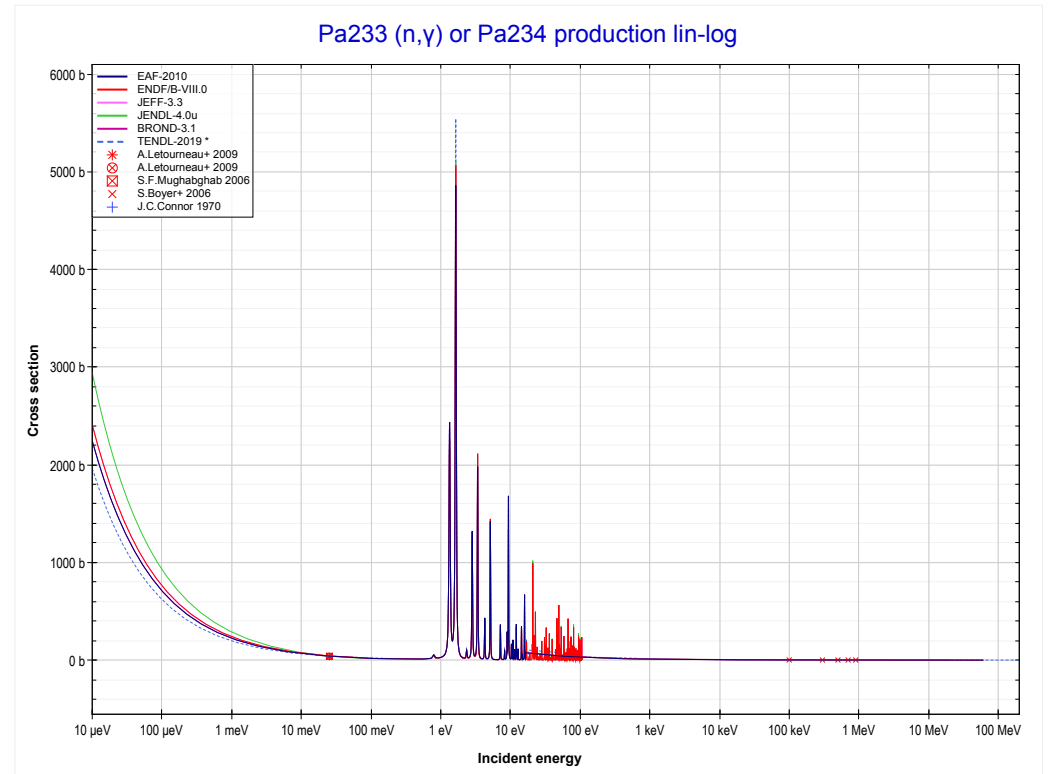
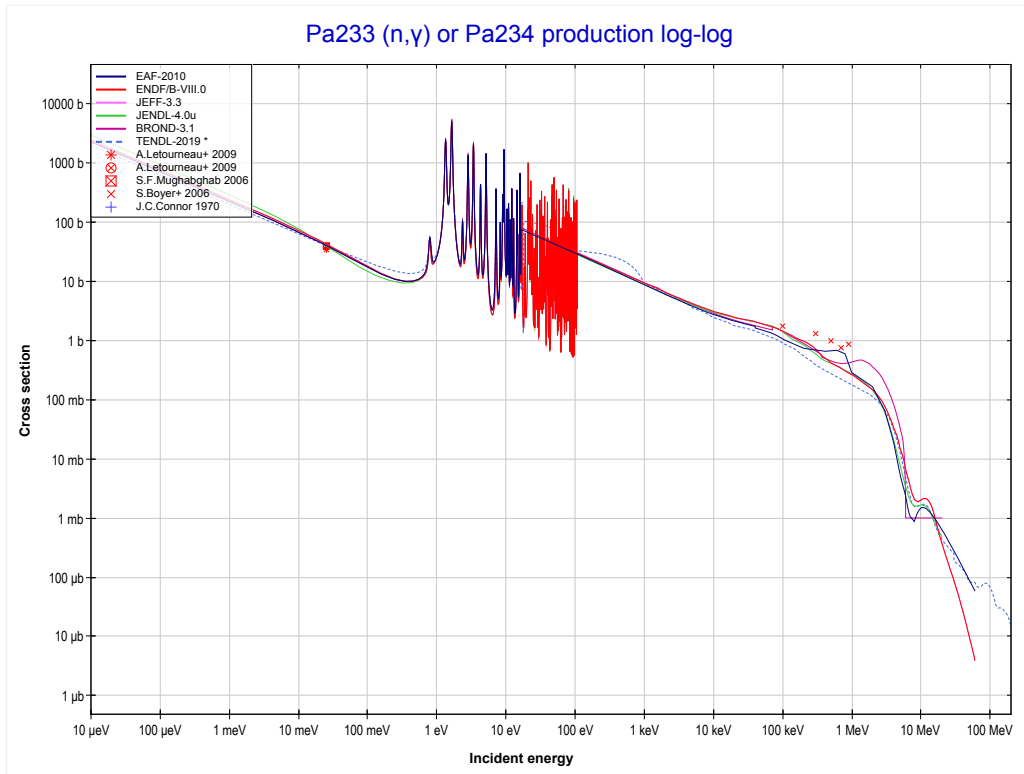
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 54.9492 b | 54.9492 b | 55.498 b | 1.01 | 1000.71 b | 7.56311 b | 5.85913 b |
| JEFF-3.3 | 54.9492 b | 54.9492 b | 55.498 b | 1.01 | 1000.71 b | 7.56311 b | 5.85913 b |
| JENDL-4.0u | 53.5583 b | 53.5583 b | 54.904 b | 1.02513 | 1007.31 b | 7.70017 b | 5.83255 b |
| BROND-3.1 | 53.0705 b | 53.0705 b | 53.881 b | 1.01527 | 1030.83 b | 7.59163 b | 5.8493 b |
| TENDL-2019 | 55.3093 b | 55.3093 b | 57.557 b | 1.04064 | 1142.57 b | 7.55616 b | 5.95265 b |

| | | |
|------------------|-------------------------|-------------------------|
| << 91-Pa-232 | 91-Pa-233 | 91-Pa-234 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



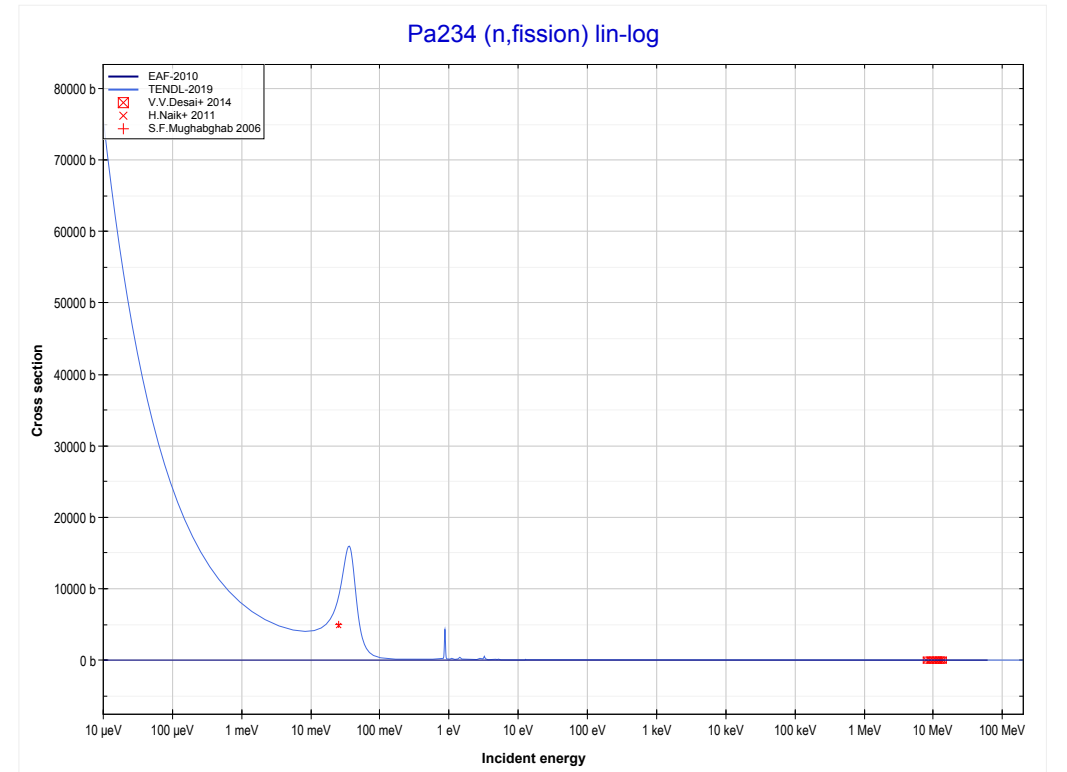
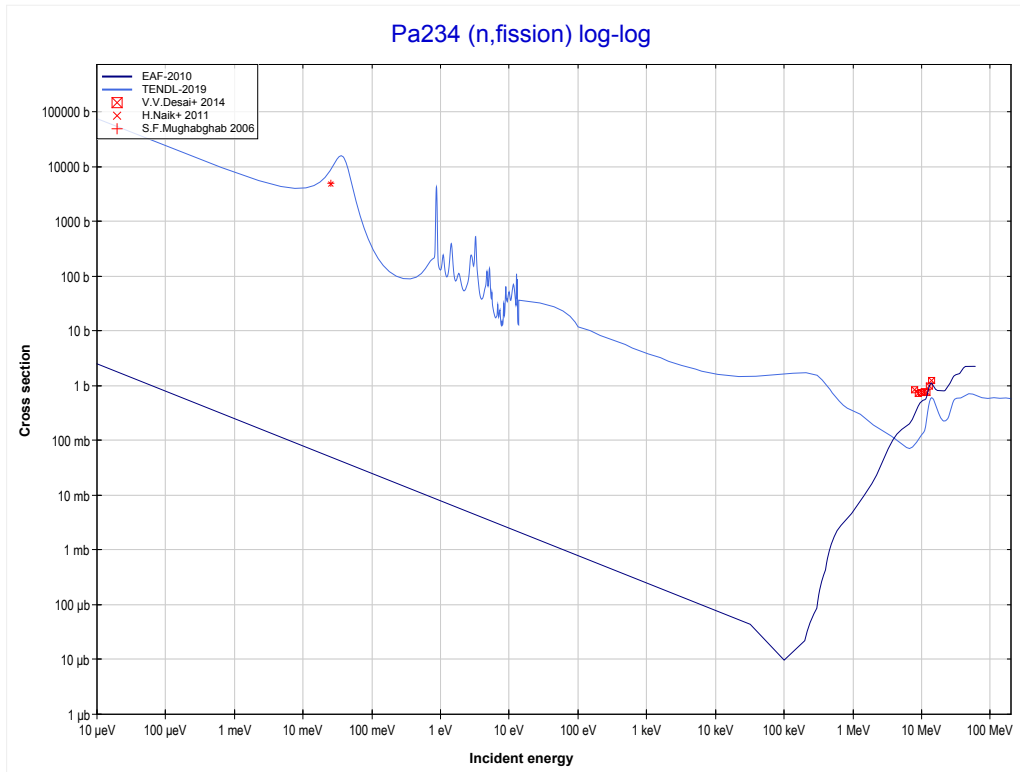
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.1 b | 0.099925 b | 0.099926 b | 1.00001 | 0.0448954 b | 0.460222 b | 1.58802 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 2.94152E-6 b | 0.233357 b | 0.4676 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 2.94152E-6 b | 0.233357 b | 0.4676 b |
| JENDL-4.0u | 2.50104E-6 b | 2.50104E-6 b | 2.5065E-6 b | 1.0022 | 5.18821E-6 b | 0.240523 b | 0.579875 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 2.13757E-7 b | 0.301965 b | 1.3554 b |
| TENDL-2019 | 0.0915866 b | 0.0915866 b | 0.092313 b | 1.00794 | 1.69741 b | 0.227228 b | 0.471636 b |

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|---------------------|--|-------------------------------|
| << 91-Pa-232 | 91-Pa-233 | 92-U-232 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pa234 production) | 91-Pa-234 MT18 (n,fission) >> |



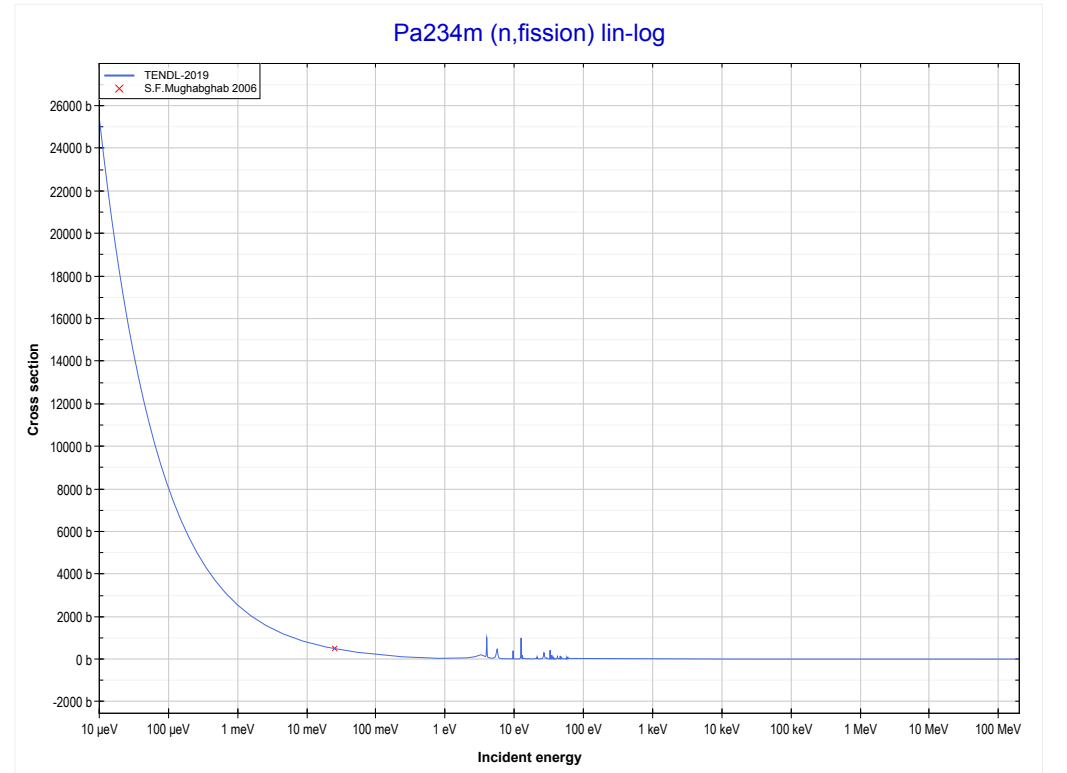
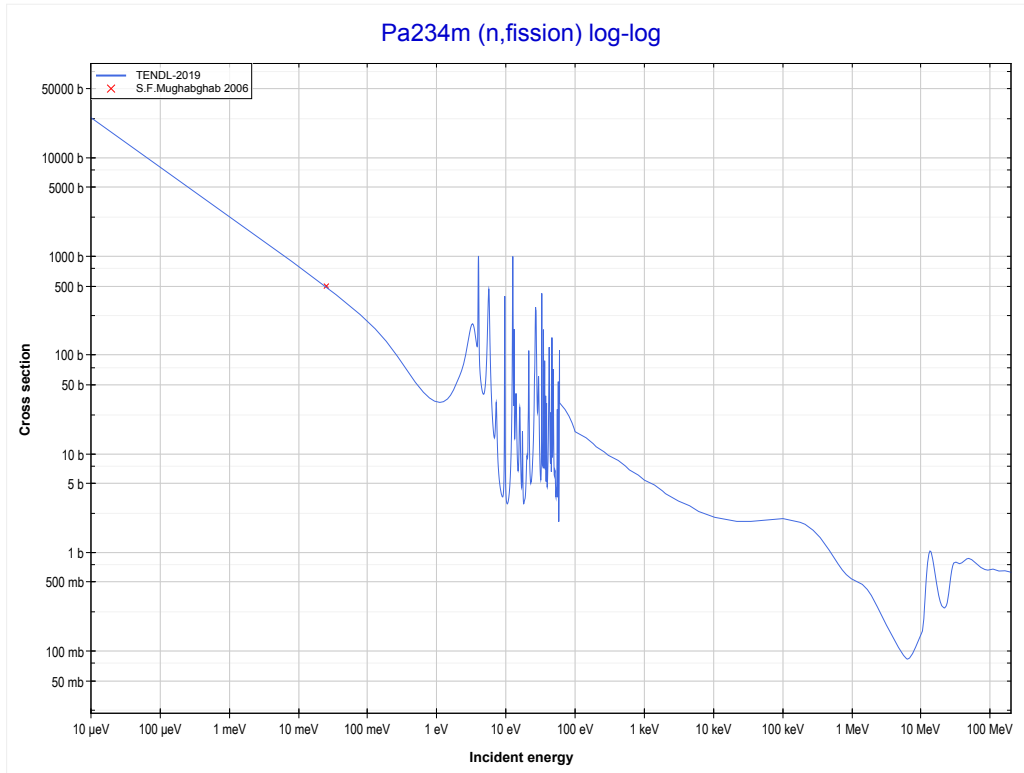
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 40.0147 b | 39.9802 b | 39.139 b | 0.97885 | 861.945 b | 0.293849 b | 0.00118963 b |
| ENDF/B-VIII.0 | 42.5159 b | 42.5159 b | 41.507 b | 0.97626 | 836.304 b | 0.259699 b | 0.00166077 b |
| JEFF-3.3 | 42.5159 b | 42.5159 b | 41.507 b | 0.97626 | 836.304 b | 0.259699 b | 0.00166077 b |
| JENDL-4.0u | 39.4191 b | 39.4191 b | 38.984 b | 0.98896 | 834.055 b | 0.246092 b | 0.00119818 b |
| BROND-3.1 | 40.0218 b | 40.0218 b | 39.195 b | 0.97934 | 871.729 b | 0.377318 b | 0.001 b |
| TENDL-2019 | 39.5512 b | 39.5512 b | 39.86 b | 1.0078 | 970.772 b | 0.174475 b | 0.00118135 b |

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|-----------------------------------|-------------------------|--------------------------------|
| << 91-Pa-233 | 91-Pa-234 | 91-Pa-234m >> |
| << 91-Pa-233 MT102 (n, γ) | MT18 (n,fission) | 91-Pa-234m MT18 (n,fission) >> |



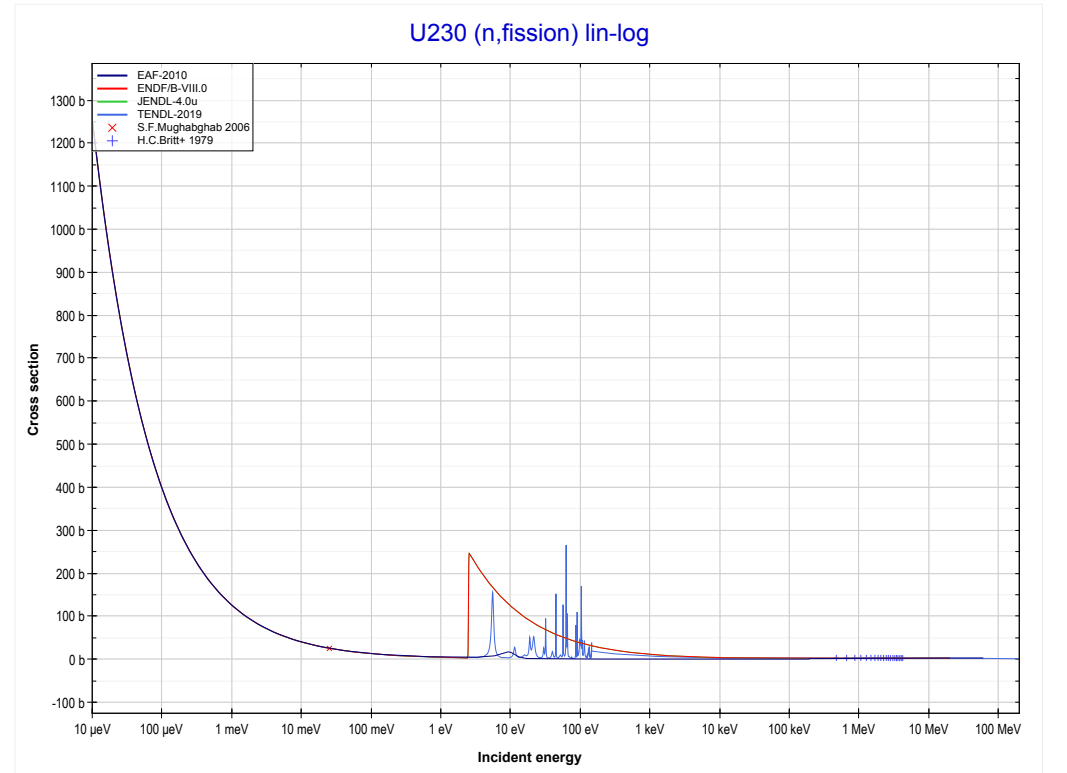
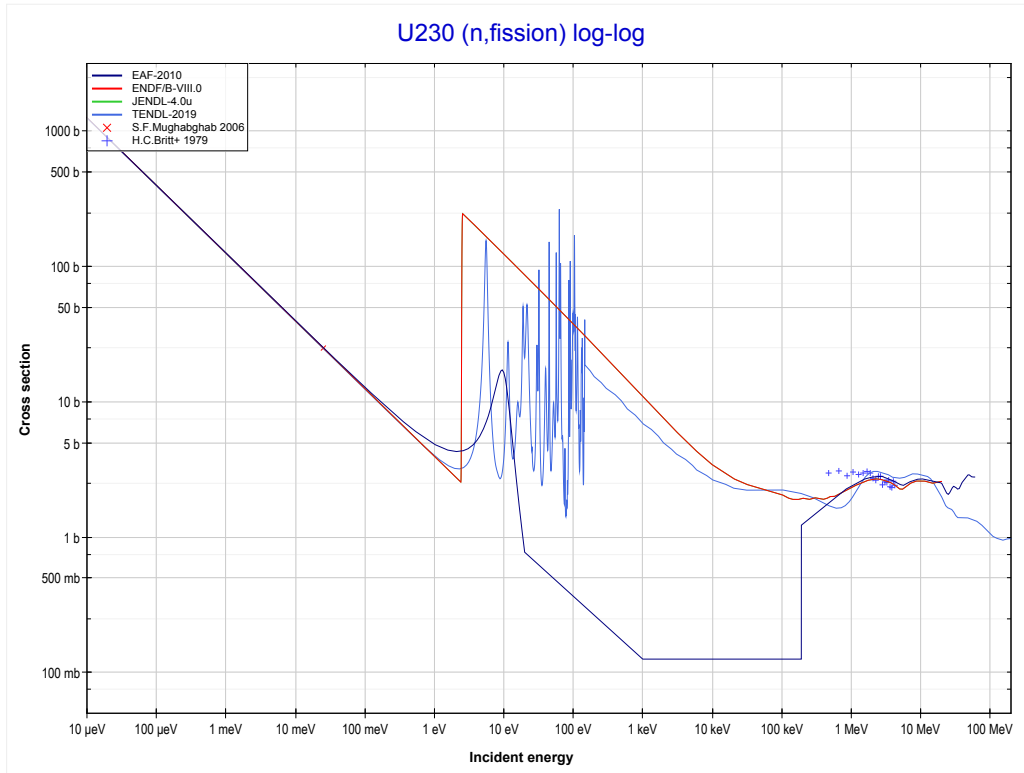
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.05 b | 0.0499625 b | 0.049963 b | 1.00001 | 0.022435 b | 0.0385594 b | 1.11451 b |
| TENDL-2019 | 8919.74 b | 8919.74 b | 6690.8 b | 0.75012 | 618.995 b | 0.401579 b | 0.60519 b |

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|-------------------------------|-------------------------|------------------------------|
| << 91-Pa-234 | 91-Pa-234m | 92-U-230 >> |
| << 91-Pa-234 MT18 (n,fission) | MT18 (n,fission) | 92-U-230 MT18 (n,fission) >> |



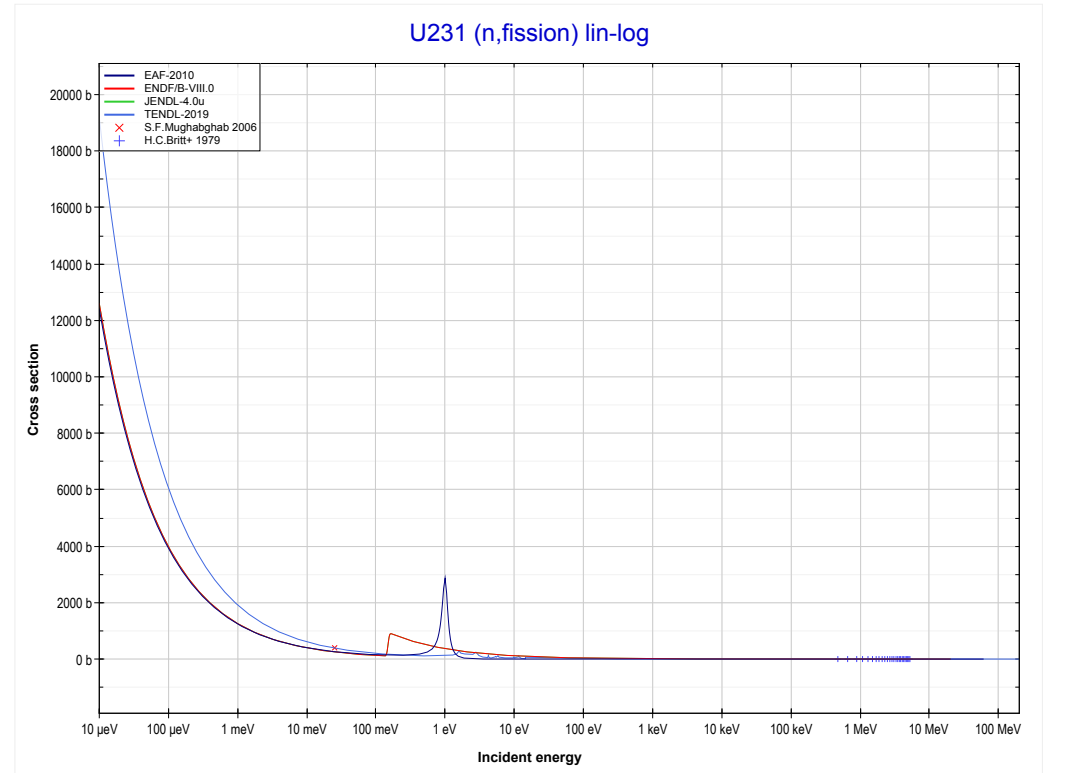
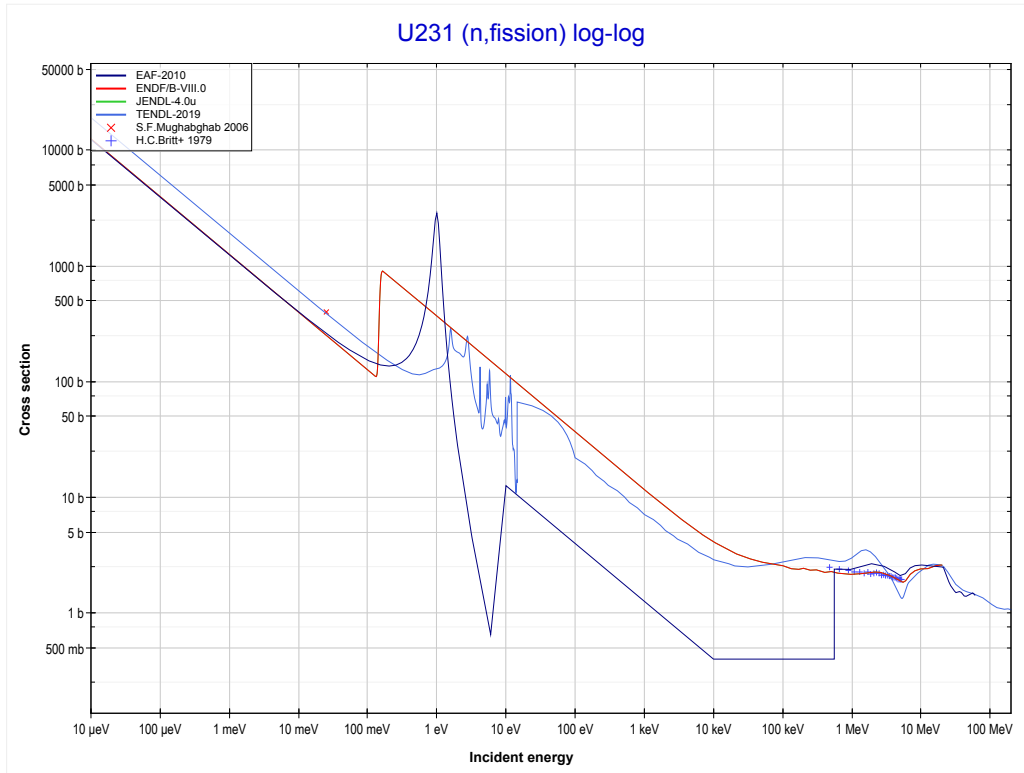
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 487.027 b | 487.027 b | 478.58 b | 0.98265 | 335.192 b | 0.551992 b | 1.01357 b |

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|--------------------------------|-------------------------|------------------------------|
| << 91-Pa-234m | 92-U-230 | 92-U-231 >> |
| << 91-Pa-234m MT18 (n,fission) | MT18 (n,fission) | 92-U-231 MT18 (n,fission) >> |



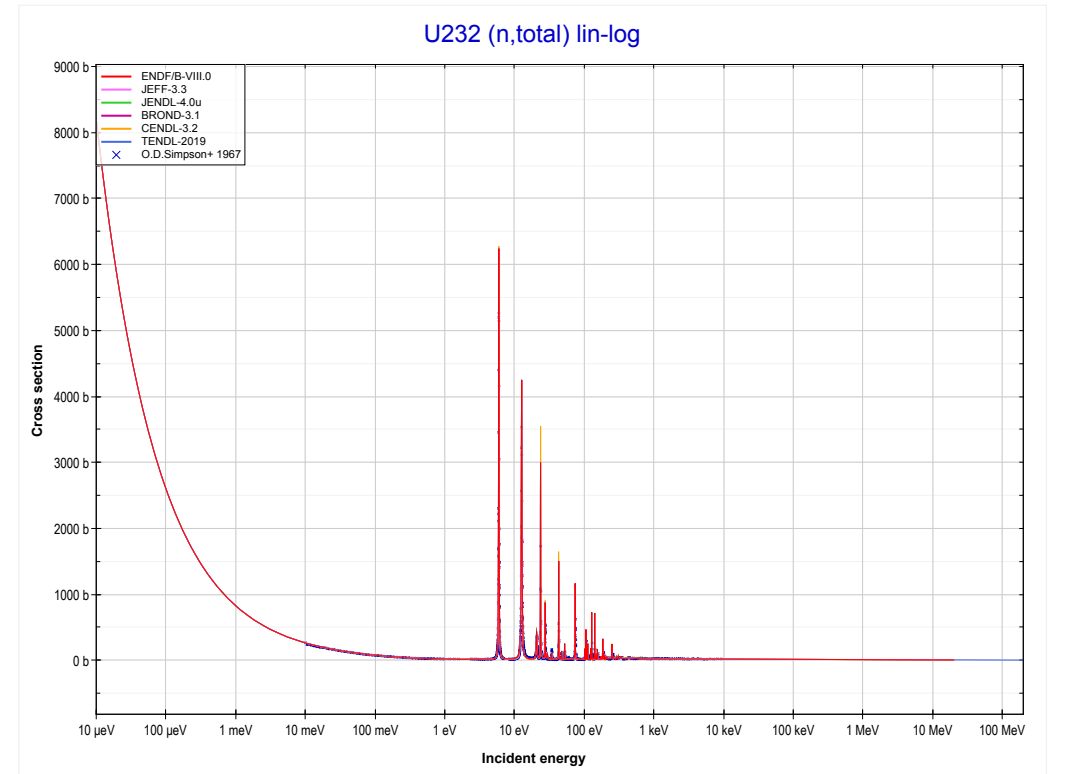
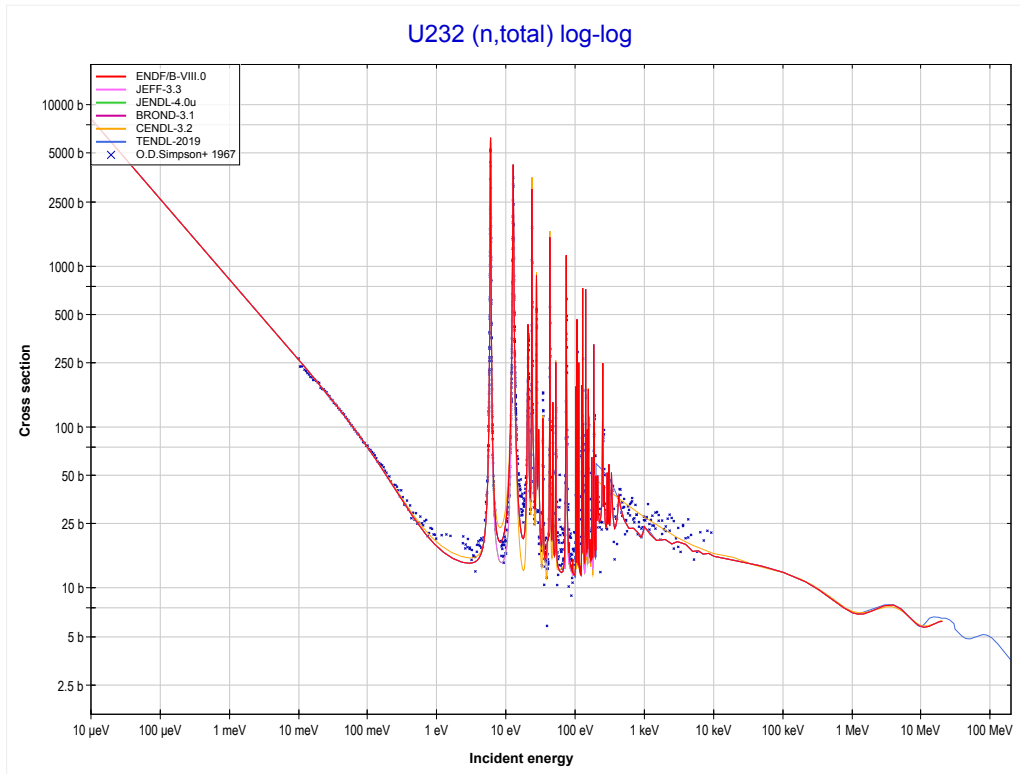
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 25.133 b | 25.1143 b | 25.187 b | 1.0029 | 25.1516 b | 2.36892 b | 2.6112 b |
| ENDF/B-VIII.0 | 25.0091 b | 25.0091 b | 25.007 b | 0.99992 | 493.359 b | 2.40148 b | 2.51816 b |
| JENDL-4.0u | 25.0041 b | 25.0041 b | 25.006 b | 1.00006 | 493.351 b | 2.40127 b | 2.51816 b |
| TENDL-2019 | 24.8618 b | 24.8618 b | 24.849 b | 0.9995 | 112.079 b | 2.47171 b | 2.69683 b |

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|------------------------------|-------------------------|---------------------------|
| << 92-U-230 | 92-U-231 | 92-U-232 >> |
| << 92-U-230 MT18 (n,fission) | MT18 (n,fission) | 92-U-232 MT1 (n,total) >> |



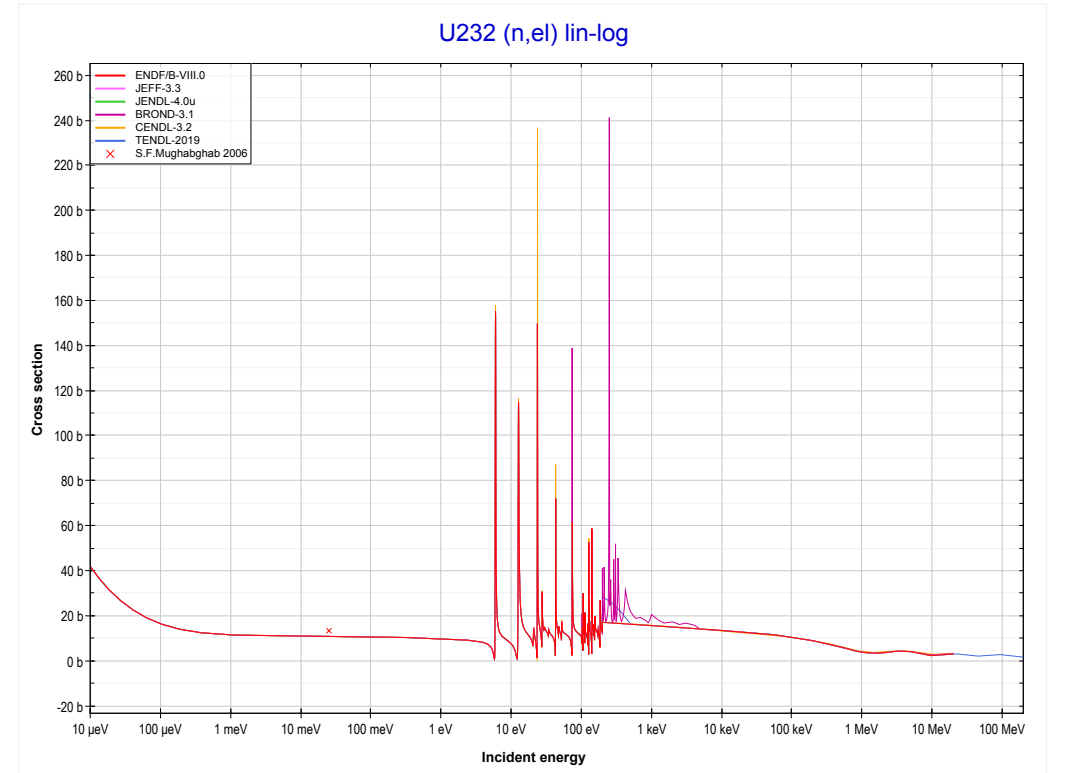
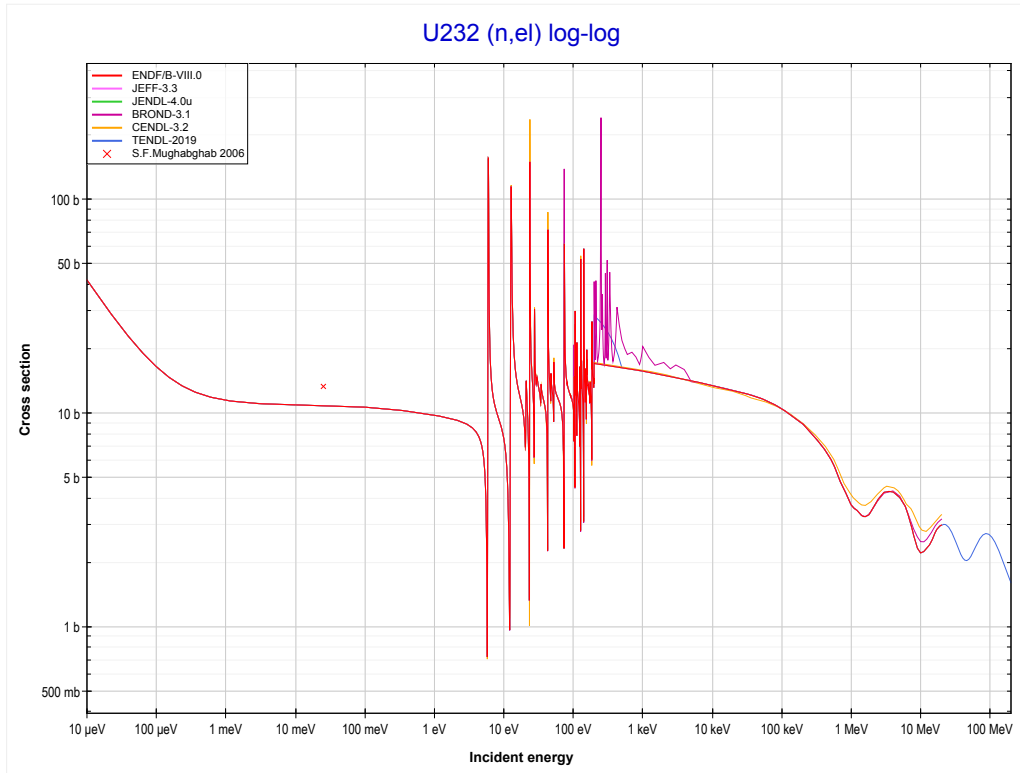
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 260.583 b | 260.402 b | 267.84 b | 1.02863 | 1009.79 b | 2.13873 b | 2.5499 b |
| ENDF/B-VIII.0 | 250.07 b | 250.07 b | 267.06 b | 1.06796 | 1043.37 b | 2.1952 b | 2.47457 b |
| JENDL-4.0u | 250.07 b | 250.07 b | 267.06 b | 1.06796 | 1043.37 b | 2.1952 b | 2.47457 b |
| TENDL-2019 | 386.3 b | 386.3 b | 388.84 b | 1.00658 | 516.681 b | 2.78185 b | 2.62572 b |

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|------------------------------|----------------------|--------------------|
| << 91-Pa-233 | 92-U-232 | 92-U-233 >> |
| << 92-U-231 MT18 (n,fission) | MT1 (n,total) | MT2 (n,elastic) >> |



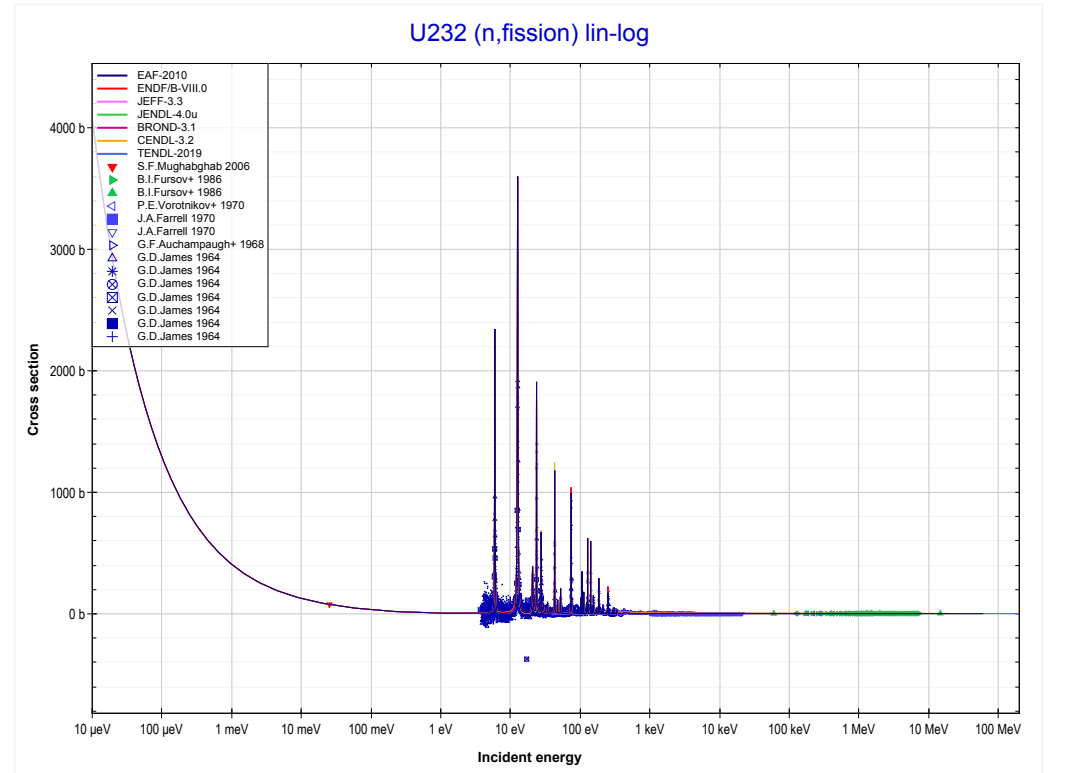
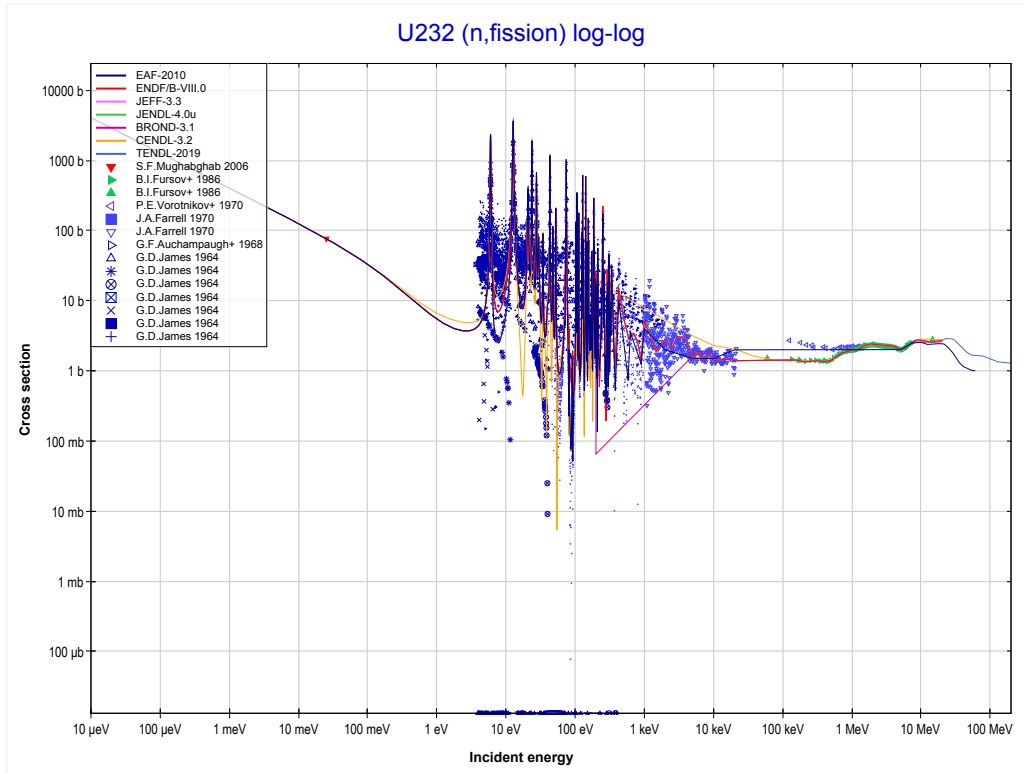
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 162.709 b | 162.709 b | 160.09 b | 0.98393 | 700.954 b | 7.78221 b | 5.8624 b |
| JEFF-3.3 | 162.709 b | 162.709 b | 160.09 b | 0.98393 | 689.796 b | 7.7836 b | 5.8624 b |
| JENDL-4.0u | 162.709 b | 162.709 b | 160.09 b | 0.98393 | 689.796 b | 7.7836 b | 5.8624 b |
| BROND-3.1 | 162.709 b | 162.709 b | 160.09 b | 0.98393 | 701.132 b | 7.78366 b | 5.86397 b |
| CENDL-3.2 | 162.737 b | 162.737 b | 160.16 b | 0.98419 | 719.863 b | 7.80362 b | 5.8925 b |
| TENDL-2019 | 162.68 b | 162.68 b | 160.01 b | 0.98357 | 710.033 b | 7.85259 b | 6.57834 b |

| | | |
|------------------|------------------------|---------------------|
| << 90-Th-232 | 92-U-232 | 92-U-233 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



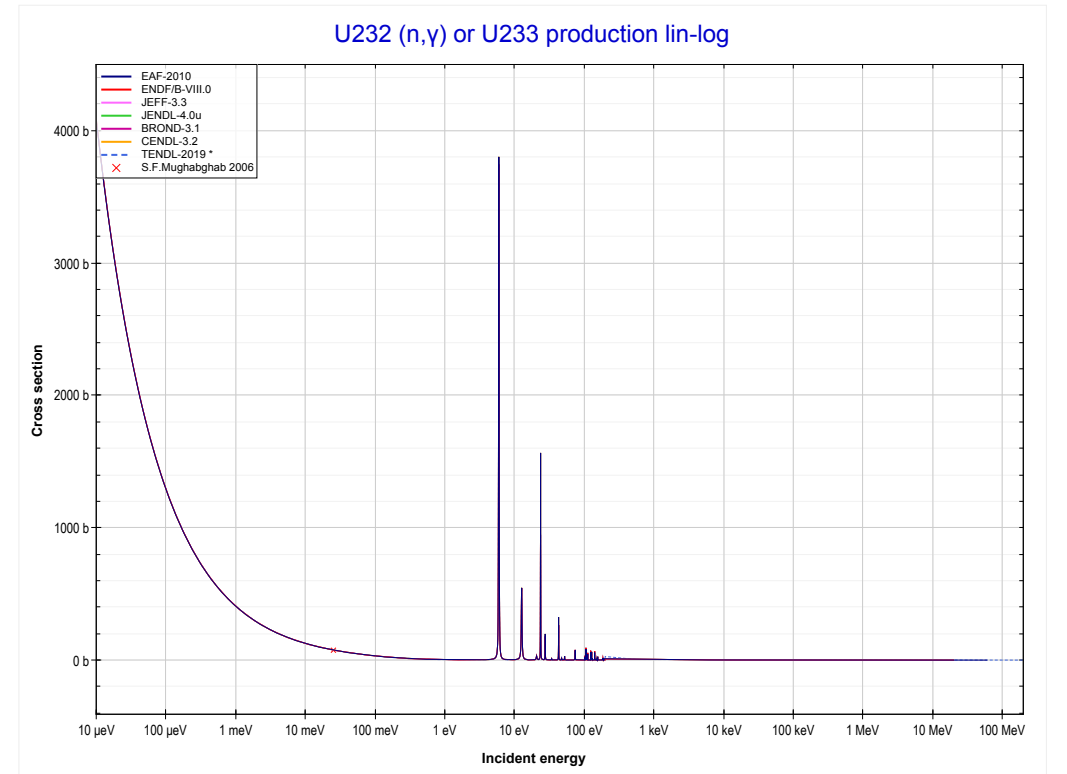
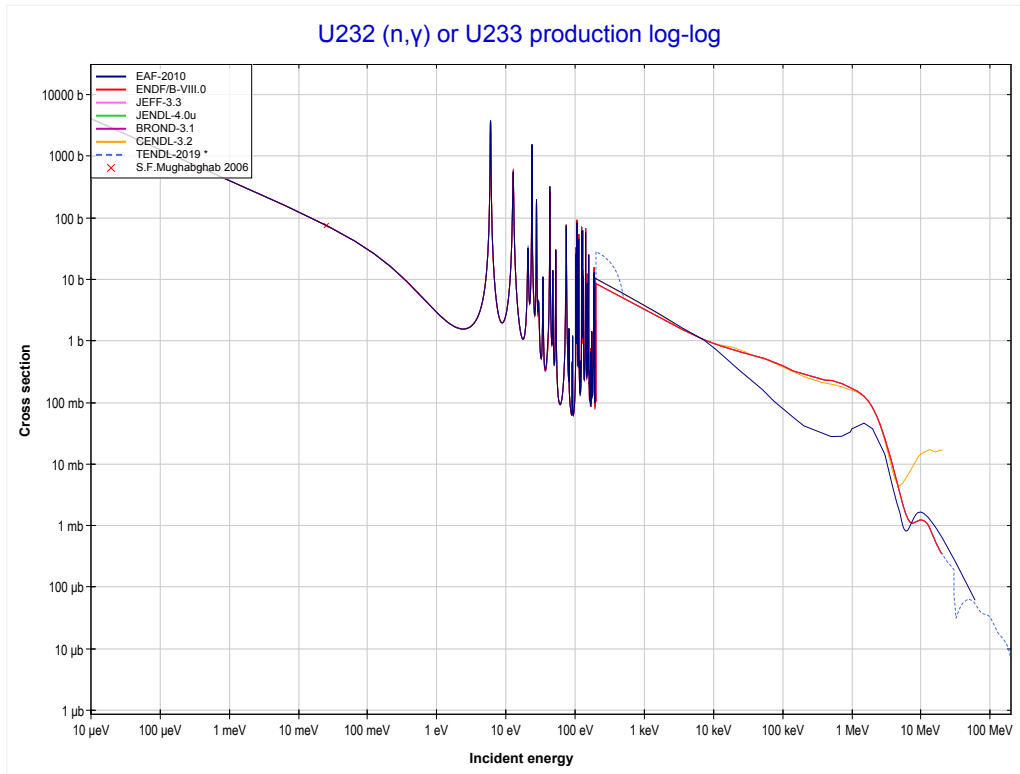
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.8131 b | 10.8131 b | 12.139 b | 1.12264 | 162.442 b | 4.50158 b | 2.46924 b |
| JEFF-3.3 | 10.8131 b | 10.8131 b | 12.139 b | 1.12264 | 162.417 b | 4.50302 b | 2.46924 b |
| JENDL-4.0u | 10.8131 b | 10.8131 b | 12.139 b | 1.12264 | 162.417 b | 4.50302 b | 2.46924 b |
| BROND-3.1 | 10.8131 b | 10.8131 b | 12.139 b | 1.12264 | 178.906 b | 4.50494 b | 2.72205 b |
| CENDL-3.2 | 10.8163 b | 10.8163 b | 12.143 b | 1.12269 | 163.324 b | 4.81021 b | 2.91959 b |
| TENDL-2019 | 10.8131 b | 10.8131 b | 12.14 b | 1.12271 | 168.614 b | 4.50225 b | 2.46924 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 92-U-231 | 92-U-232 | 92-U-233 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



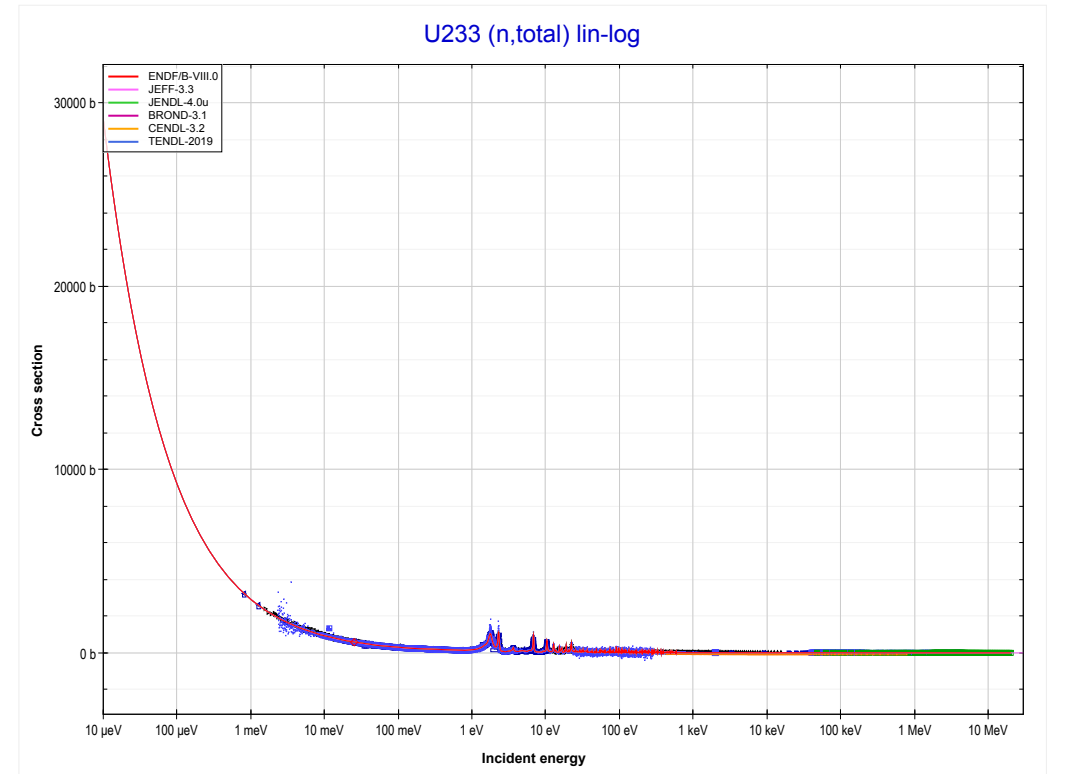
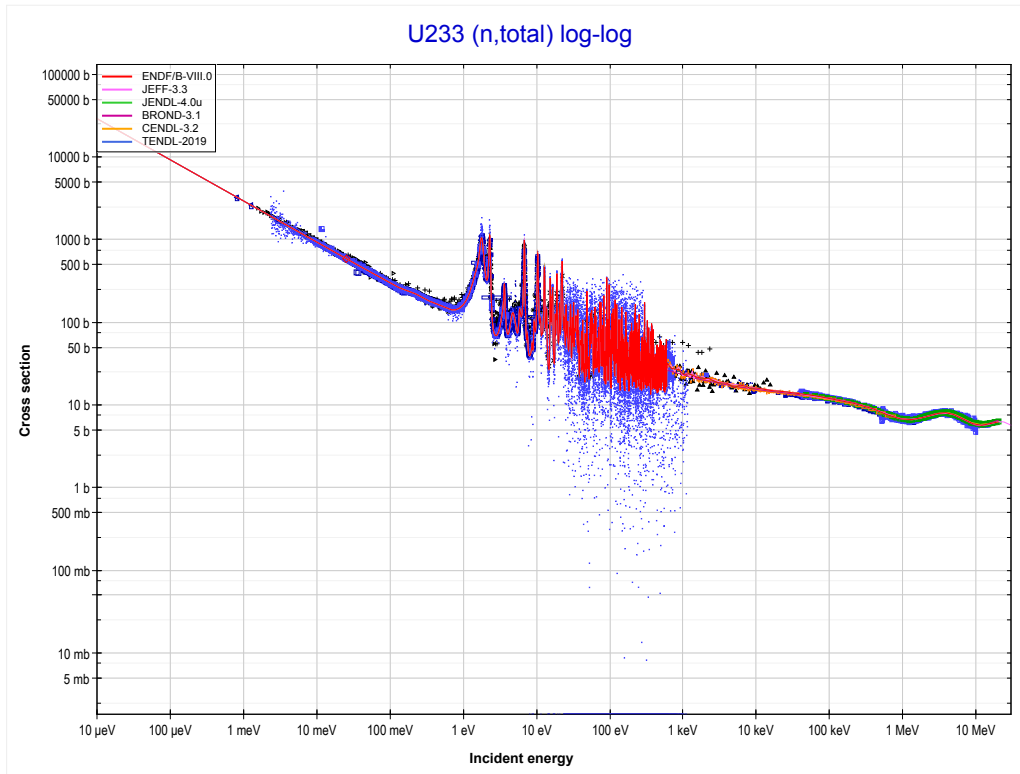
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 76.7211 b | 76.6573 b | 74.896 b | 0.97694 | 352.673 b | 2.01448 b | 2.37 b |
| ENDF/B-VIII.0 | 76.5104 b | 76.5104 b | 74.809 b | 0.97776 | 366.213 b | 2.05395 b | 2.57 b |
| JEFF-3.3 | 76.5104 b | 76.5104 b | 74.809 b | 0.97776 | 355.084 b | 2.05384 b | 2.57 b |
| JENDL-4.0u | 76.5104 b | 76.5104 b | 74.809 b | 0.97776 | 355.084 b | 2.05384 b | 2.57 b |
| BROND-3.1 | 76.5104 b | 76.5104 b | 74.809 b | 0.97776 | 349.925 b | 2.04955 b | 2.5594 b |
| CENDL-3.2 | 76.7436 b | 76.7436 b | 75.113 b | 0.97875 | 374.585 b | 2.03875 b | 2.7997 b |
| TENDL-2019 | 76.496 b | 76.496 b | 74.765 b | 0.97737 | 359.982 b | 2.05356 b | 2.57 b |

| | | |
|---------------------|---|---------------------------|
| << 91-Pa-233 | 92-U-232 | 92-U-233 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U233 production) | 92-U-233 MT1 (n,total) >> |



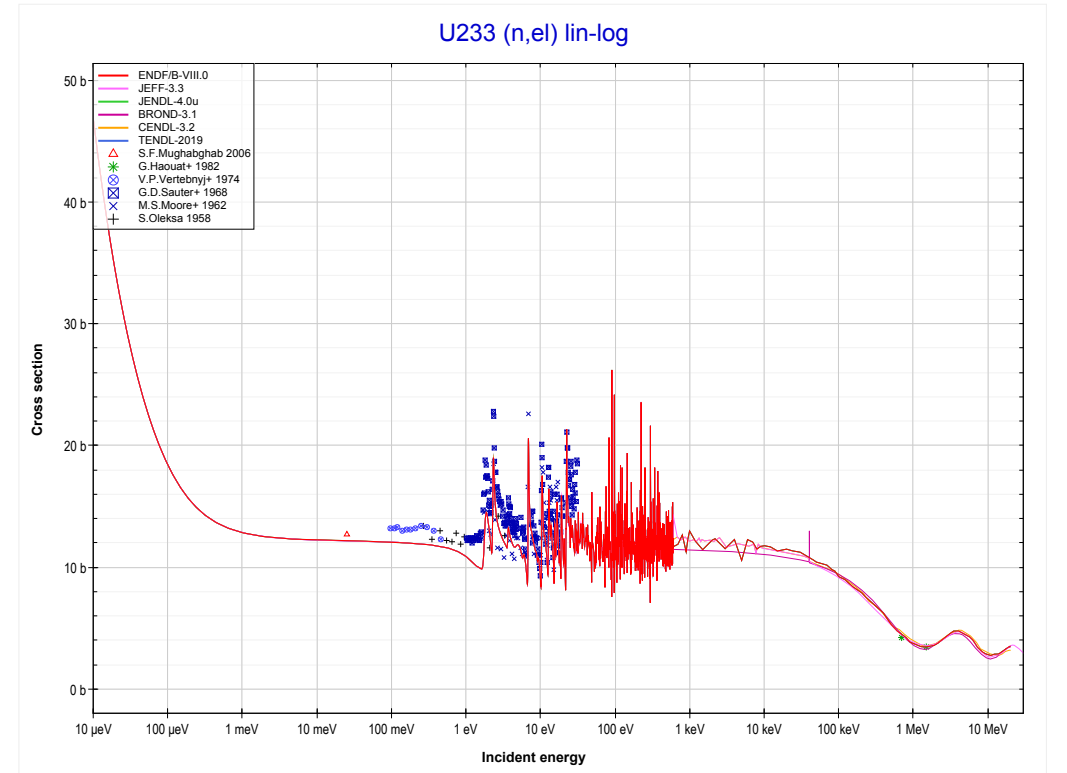
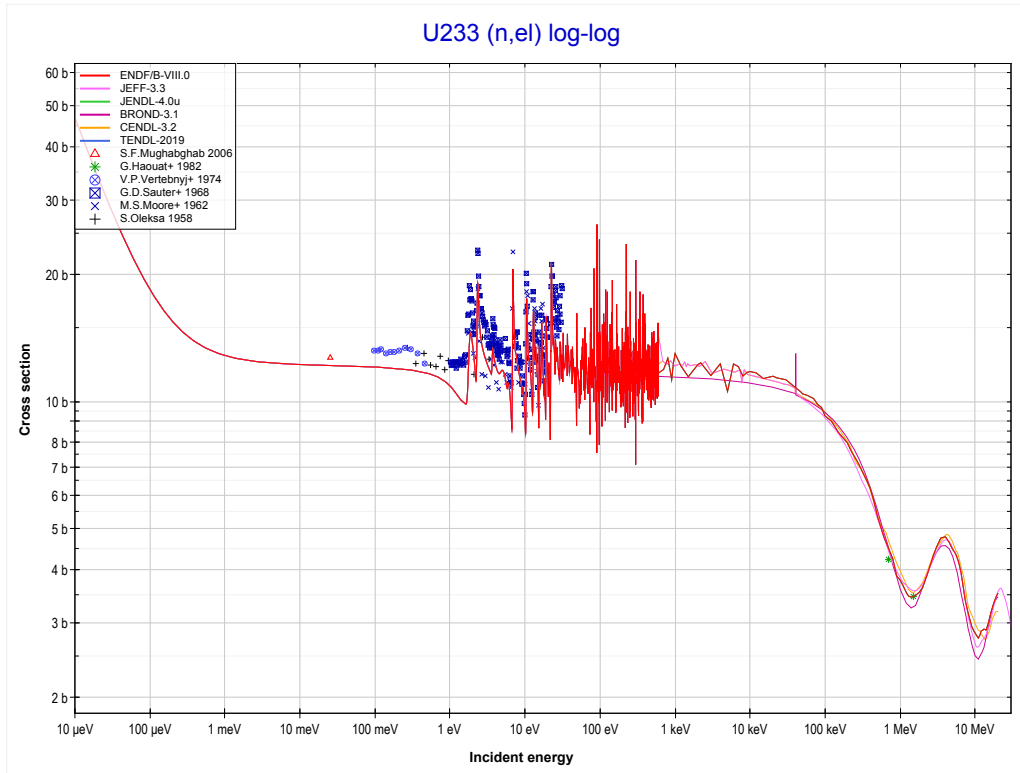
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 75.1787 b | 75.1158 b | 72.846 b | 0.9697 | 181.182 b | 0.0303934 b | 0.00119003 b |
| ENDF/B-VIII.0 | 75.3854 b | 75.3854 b | 73.147 b | 0.97031 | 172.22 b | 0.123774 b | 8.16395E-4 b |
| JEFF-3.3 | 75.3854 b | 75.3854 b | 73.147 b | 0.97031 | 172.217 b | 0.123837 b | 8.16395E-4 b |
| JENDL-4.0u | 75.3854 b | 75.3854 b | 73.147 b | 0.97031 | 172.217 b | 0.123837 b | 8.16395E-4 b |
| BROND-3.1 | 75.3854 b | 75.3854 b | 73.147 b | 0.97031 | 172.222 b | 0.123776 b | 8.16395E-4 b |
| CENDL-3.2 | 75.1771 b | 75.1771 b | 72.908 b | 0.96981 | 181.851 b | 0.116216 b | 0.017002 b |
| TENDL-2019 | 75.3709 b | 75.3709 b | 73.102 b | 0.9699 | 183.099 b | 0.123932 b | 8.16397E-4 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 92-U-232 | 92-U-233 | 92-U-234 >> |
| << 92-U-232 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



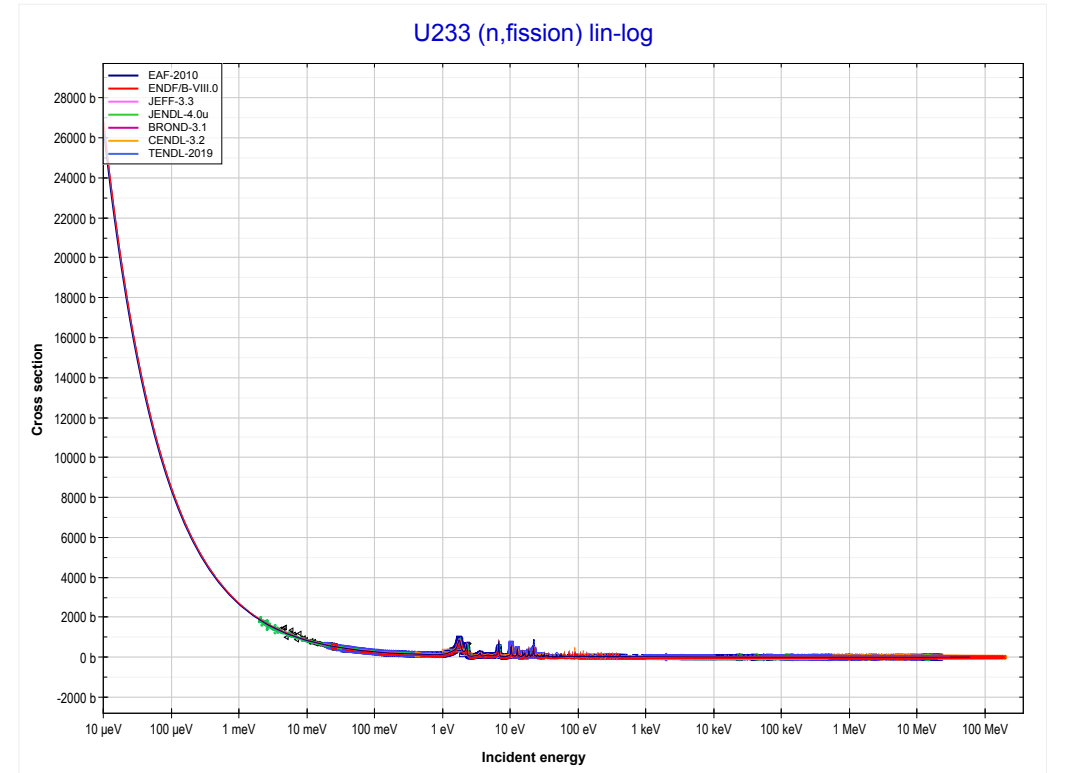
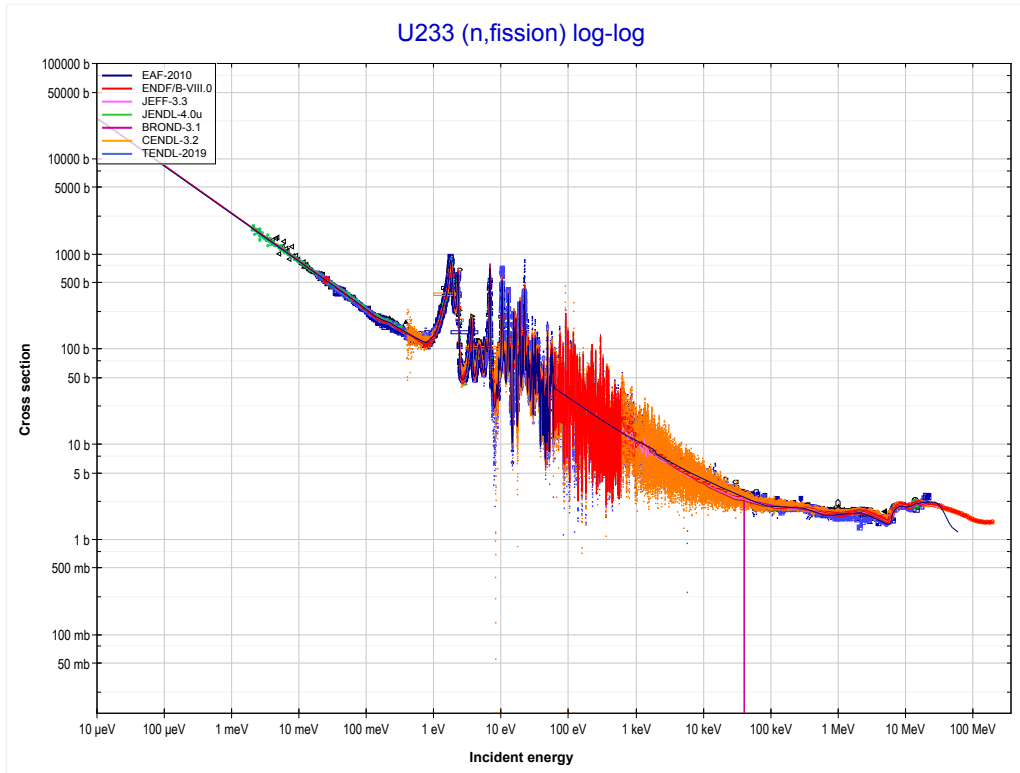
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 588.521 b | 588.521 b | 589.76 b | 1.0021 | 1049.49 b | 7.66708 b | 5.7973 b |
| JEFF-3.3 | 588.735 b | 588.735 b | 590 b | 1.00215 | 1049.96 b | 7.65996 b | 5.75726 b |
| JENDL-4.0u | 588.735 b | 588.735 b | 590 b | 1.00215 | 1049.5 b | 7.66708 b | 5.7973 b |
| BROND-3.1 | 588.847 b | 588.847 b | 590.02 b | 1.00199 | 1045.67 b | 7.69826 b | 5.8658 b |
| CENDL-3.2 | 588.633 b | 588.633 b | 589.68 b | 1.00178 | 1049.32 b | 7.68367 b | 5.9207 b |
| TENDL-2019 | 588.418 b | 588.418 b | 589.44 b | 1.00174 | 1048.94 b | 7.66716 b | 5.7973 b |

| | | |
|------------------|------------------------|---------------------|
| << 92-U-232 | 92-U-233 | 92-U-234 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



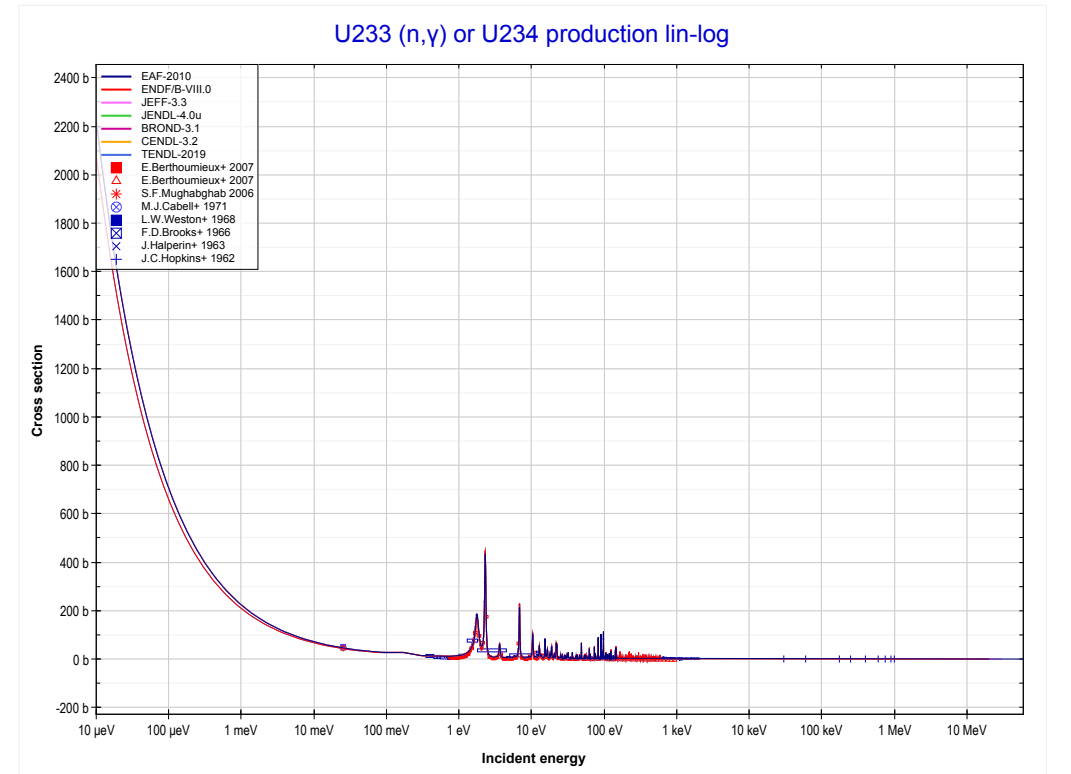
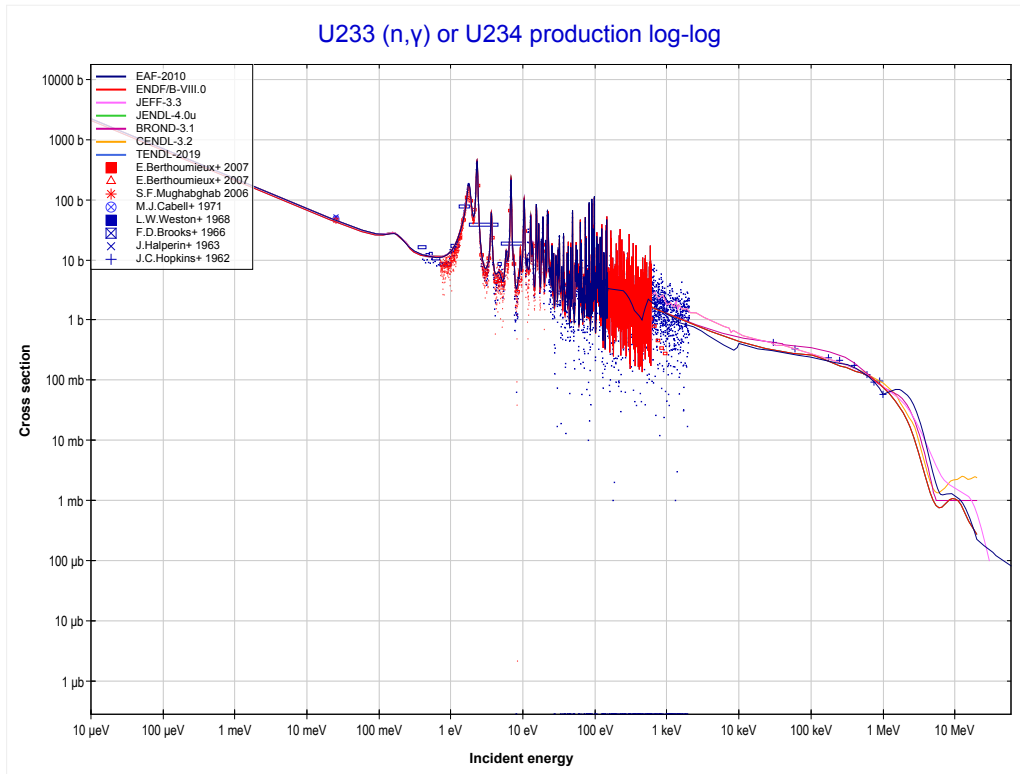
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.1781 b | 12.1781 b | 13.71 b | 1.12583 | 143.71 b | 4.50018 b | 2.88286 b |
| JEFF-3.3 | 12.1772 b | 12.1772 b | 13.709 b | 1.12583 | 143.699 b | 4.47803 b | 2.81722 b |
| JENDL-4.0u | 12.1772 b | 12.1772 b | 13.709 b | 1.12583 | 143.709 b | 4.50018 b | 2.88286 b |
| BROND-3.1 | 12.1776 b | 12.1776 b | 13.71 b | 1.12584 | 141.096 b | 4.42112 b | 2.77338 b |
| CENDL-3.2 | 12.1772 b | 12.1772 b | 13.71 b | 1.12587 | 143.724 b | 4.58947 b | 2.75357 b |
| TENDL-2019 | 12.1781 b | 12.1781 b | 13.711 b | 1.12587 | 143.698 b | 4.4998 b | 2.88286 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 92-U-232 | 92-U-233 | 92-U-234 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



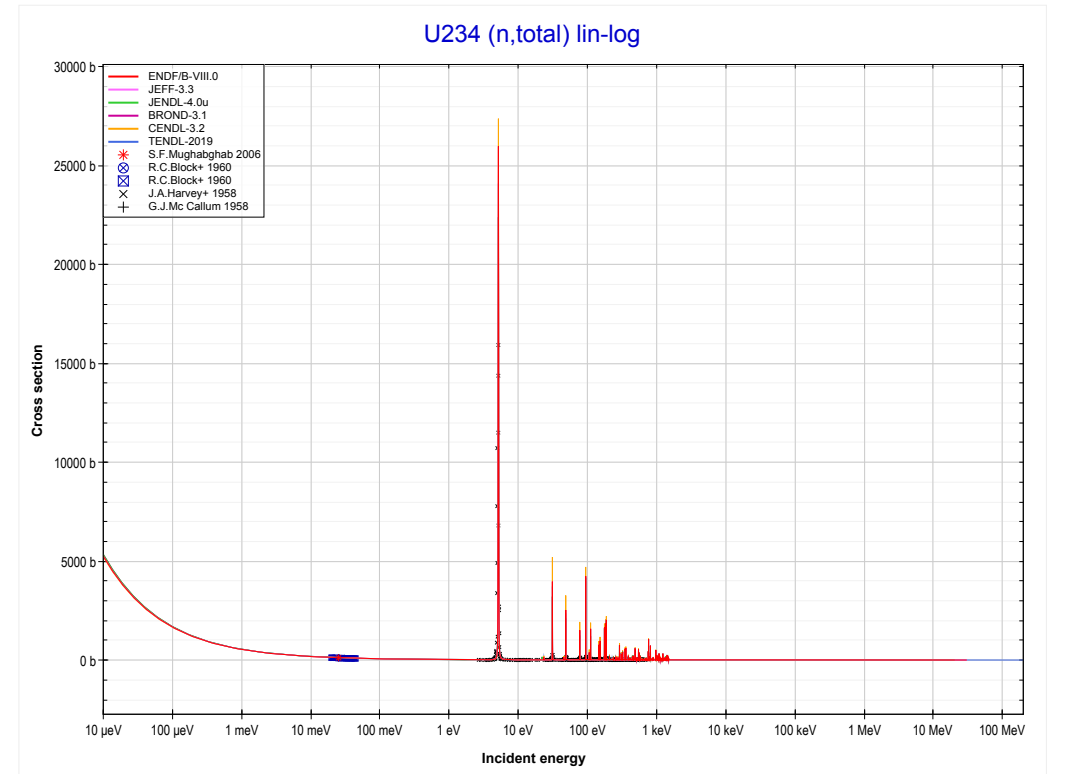
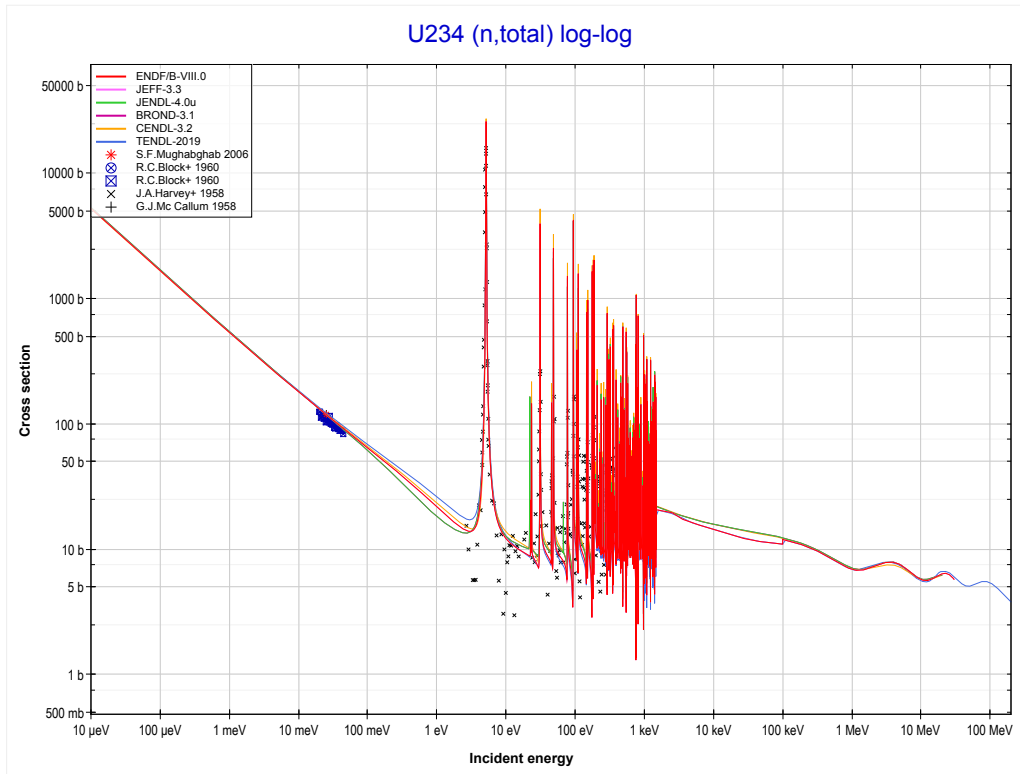
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 525.754 b | 525.361 b | 523.43 b | 0.99633 | 751.919 b | 1.84091 b | 2.37 b |
| ENDF/B-VIII.0 | 534.018 b | 534.018 b | 532.19 b | 0.99658 | 767.298 b | 1.91038 b | 2.36411 b |
| JEFF-3.3 | 531.302 b | 531.302 b | 529.57 b | 0.99673 | 765.401 b | 1.89605 b | 2.335 b |
| JENDL-4.0u | 531.302 b | 531.302 b | 529.57 b | 0.99673 | 766.682 b | 1.91038 b | 2.36411 b |
| BROND-3.1 | 531.404 b | 531.404 b | 529.58 b | 0.99658 | 765.184 b | 1.88266 b | 2.2997 b |
| CENDL-3.2 | 531.207 b | 531.207 b | 529.27 b | 0.99636 | 764.942 b | 1.91413 b | 2.372 b |
| TENDL-2019 | 533.923 b | 533.923 b | 531.9 b | 0.99621 | 766.806 b | 1.9105 b | 2.36411 b |

| | | |
|---------------------|---|---------------------------|
| << 92-U-232 | 92-U-233 | 92-U-234 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U234 production) | 92-U-234 MT1 (n,total) >> |



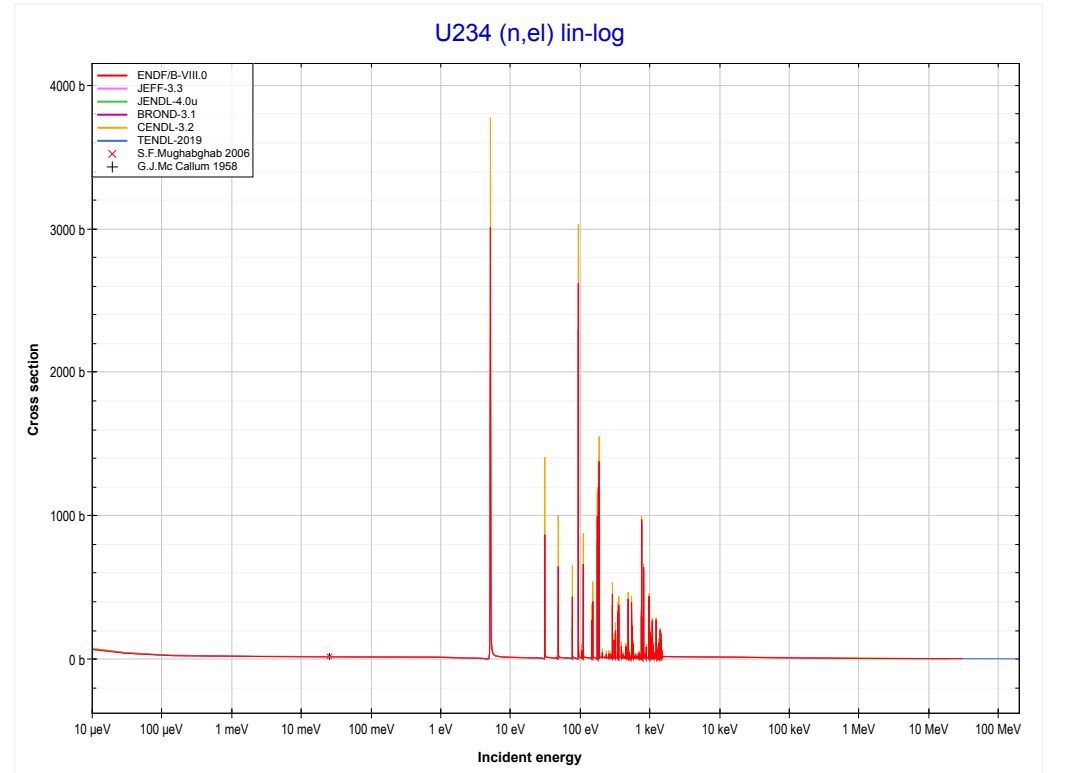
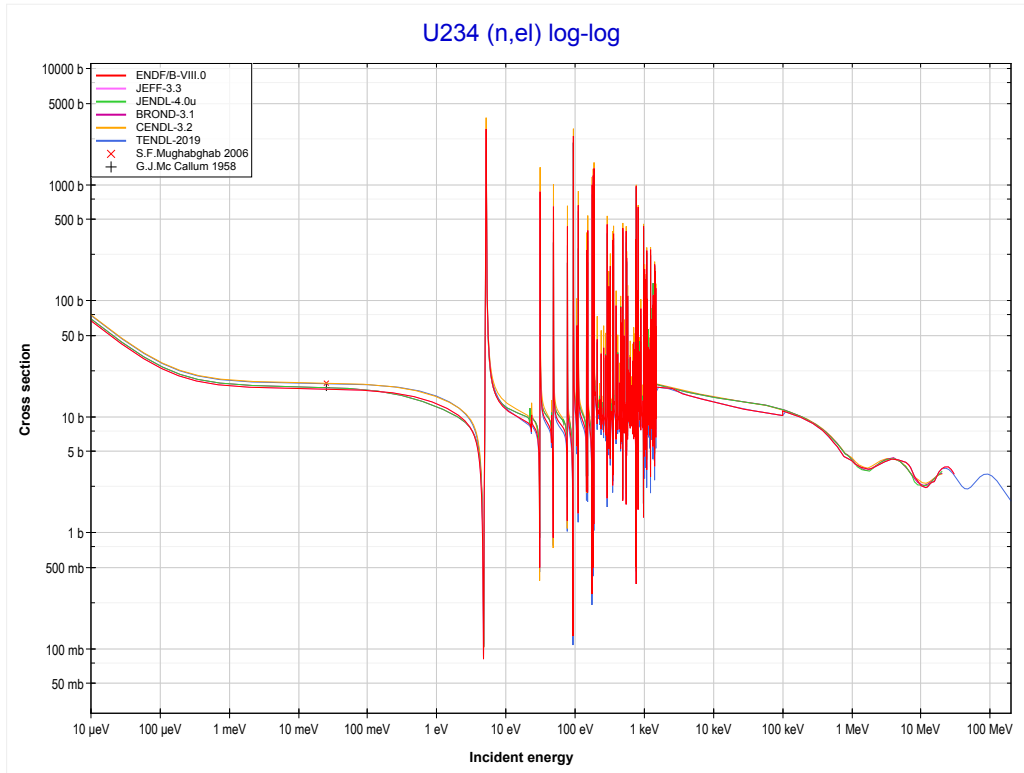
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 45.2606 b | 45.2296 b | 46.621 b | 1.03083 | 138.037 b | 0.0726991 b | 7.44044E-4 b |
| ENDF/B-VIII.0 | 42.3249 b | 42.3249 b | 43.856 b | 1.03617 | 138.421 b | 0.0607149 b | 5.82959E-4 b |
| JEFF-3.3 | 45.2564 b | 45.2564 b | 46.725 b | 1.03245 | 140.71 b | 0.0700786 b | 0.0012578 b |
| JENDL-4.0u | 45.2564 b | 45.2564 b | 46.725 b | 1.03245 | 139.04 b | 0.0607149 b | 5.82959E-4 b |
| BROND-3.1 | 45.2649 b | 45.2649 b | 46.726 b | 1.03227 | 139.351 b | 0.0774882 b | 0.001 b |
| CENDL-3.2 | 45.2485 b | 45.2485 b | 46.699 b | 1.03205 | 140.593 b | 0.0698583 b | 0.0023721 b |
| TENDL-2019 | 42.3175 b | 42.3175 b | 43.831 b | 1.03576 | 138.301 b | 0.060673 b | 5.82959E-4 b |

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|----------------------------------|----------------------|--------------------|
| << 92-U-233 | 92-U-234 | 92-U-235 >> |
| << 92-U-233 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



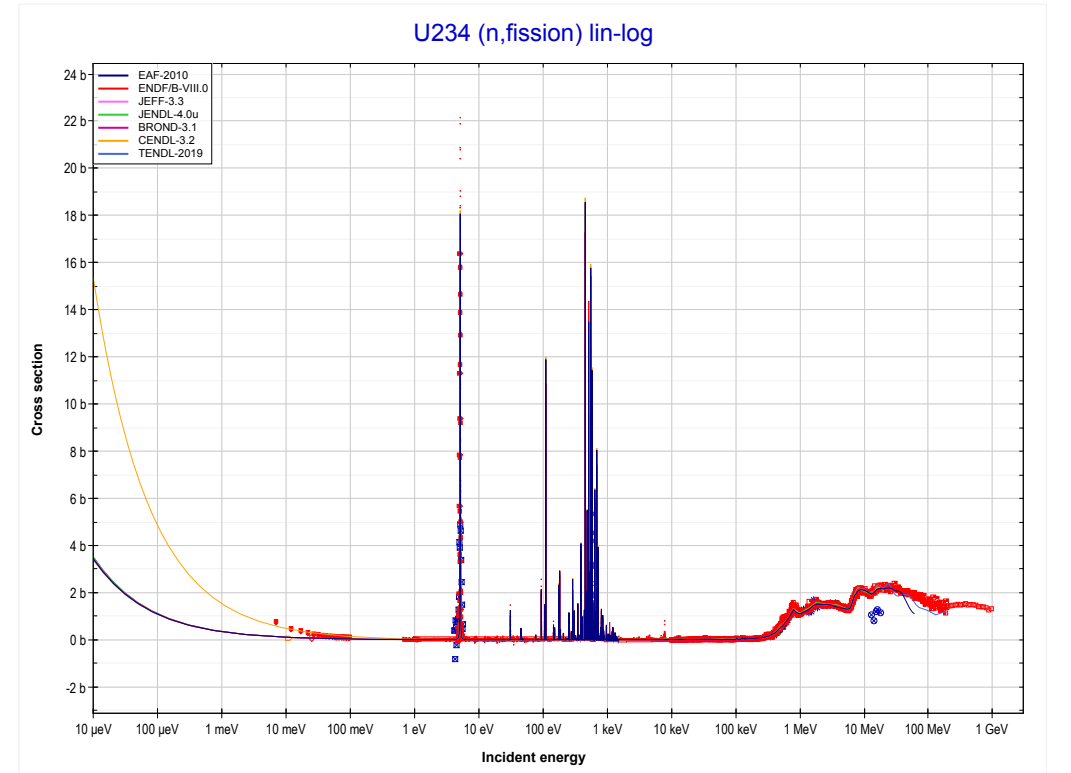
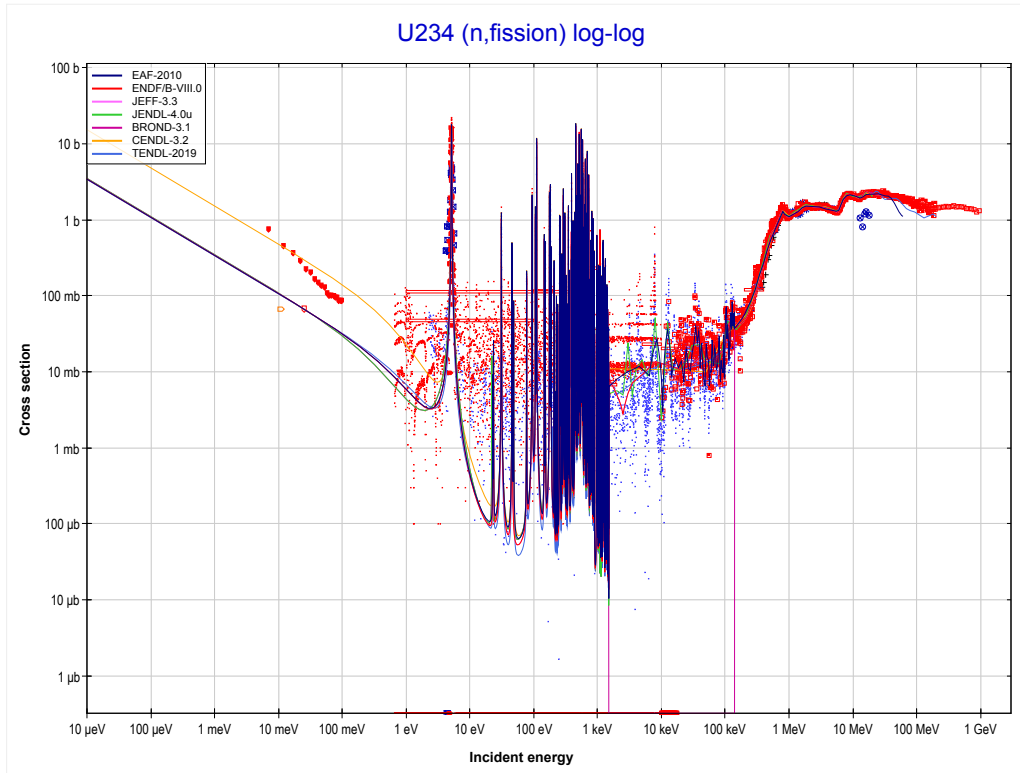
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 118.252 b | 118.252 b | 119.32 b | 1.00903 | 893.229 b | 7.69028 b | 5.73798 b |
| JEFF-3.3 | 118.252 b | 118.252 b | 119.32 b | 1.00903 | 893.229 b | 7.69028 b | 5.73798 b |
| JENDL-4.0u | 118.17 b | 118.17 b | 118.22 b | 1.00044 | 848.351 b | 7.80437 b | 5.87112 b |
| BROND-3.1 | 118.17 b | 118.17 b | 118.22 b | 1.00043 | 848.378 b | 7.8055 b | 5.87382 b |
| CENDL-3.2 | 119.487 b | 119.487 b | 120.77 b | 1.01075 | 941.186 b | 7.65204 b | 5.76867 b |
| TENDL-2019 | 121.847 b | 121.847 b | 123.54 b | 1.01391 | 898.642 b | 7.74252 b | 5.65849 b |

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|------------------|------------------------|---------------------|
| << 92-U-233 | 92-U-234 | 92-U-235 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



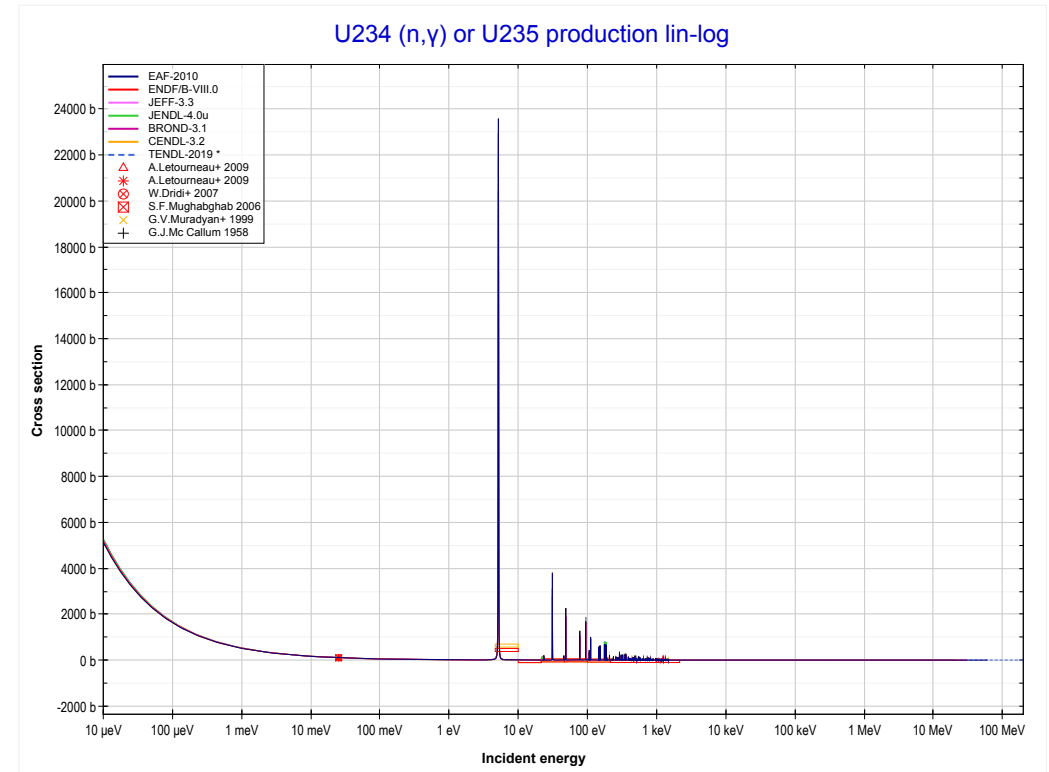
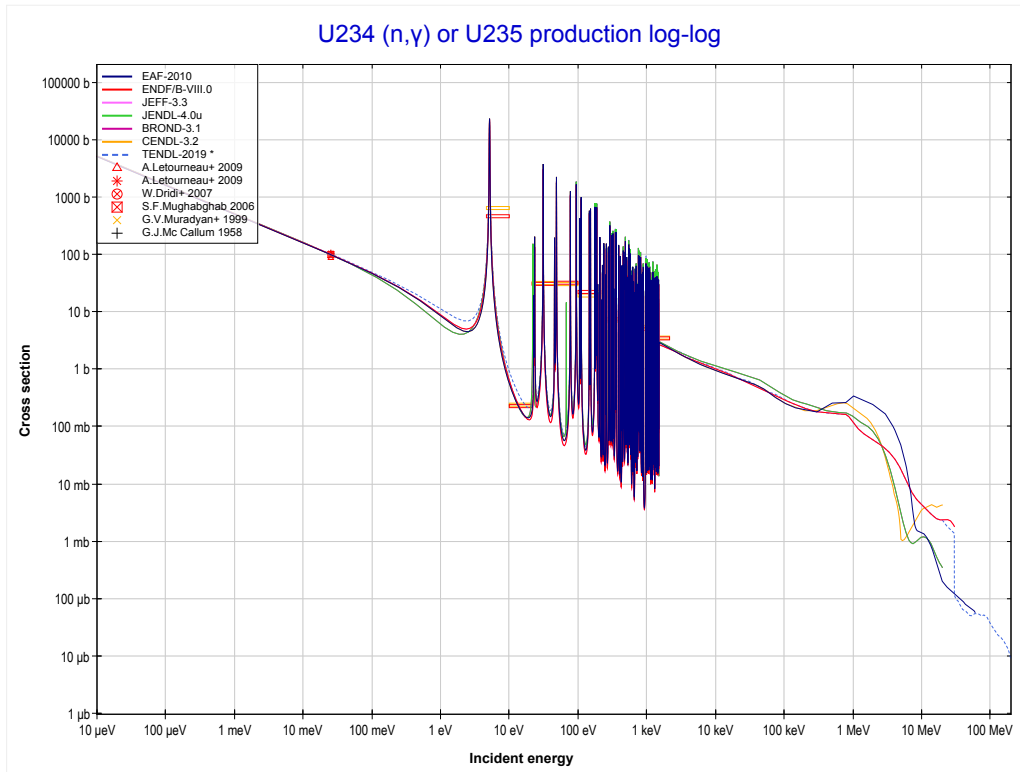
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 17.2836 b | 17.2836 b | 19.32 b | 1.1178 | 261.238 b | 4.6982 b | 2.68951 b |
| JEFF-3.3 | 17.2836 b | 17.2836 b | 19.32 b | 1.1178 | 261.238 b | 4.6982 b | 2.68951 b |
| JENDL-4.0u | 17.8163 b | 17.8163 b | 19.79 b | 1.11077 | 238.626 b | 4.76696 b | 2.71986 b |
| BROND-3.1 | 17.8163 b | 17.8163 b | 19.79 b | 1.11077 | 238.715 b | 4.80455 b | 2.74199 b |
| CENDL-3.2 | 19.4488 b | 19.4488 b | 21.753 b | 1.11847 | 309.737 b | 4.88978 b | 2.80437 b |
| TENDL-2019 | 19.2665 b | 19.2665 b | 21.582 b | 1.12018 | 239.743 b | 4.69401 b | 2.68951 b |

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|--------------------|-------------------------|-------------------------|
| << 92-U-233 | 92-U-234 | 92-U-235 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



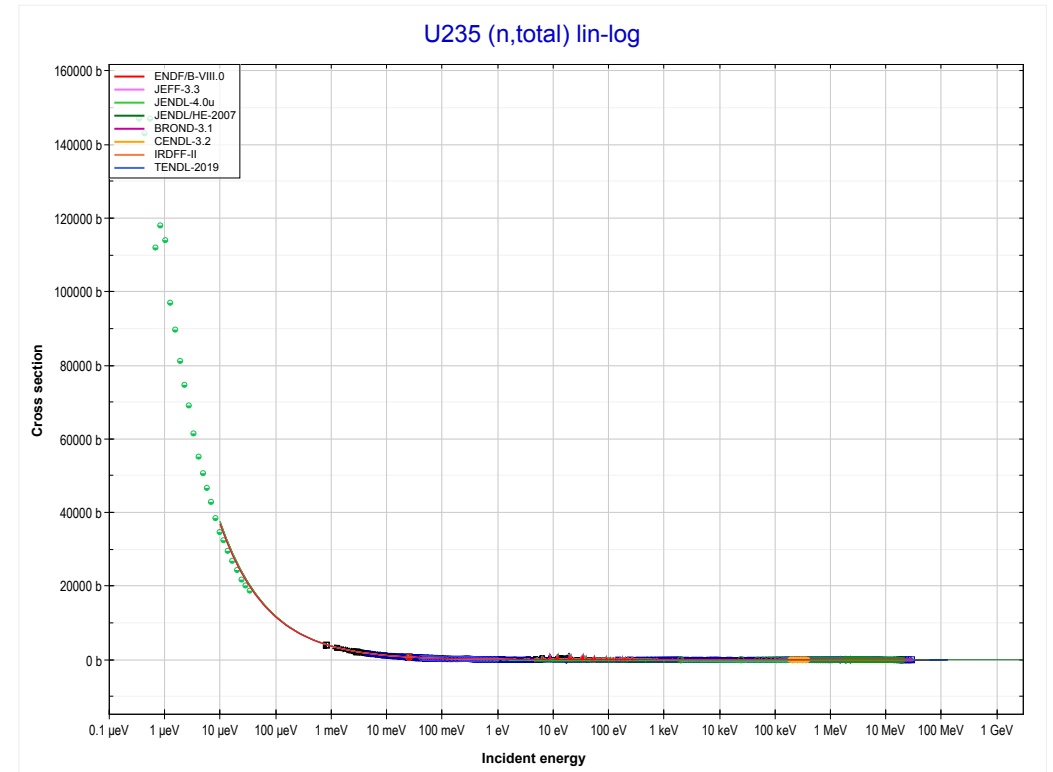
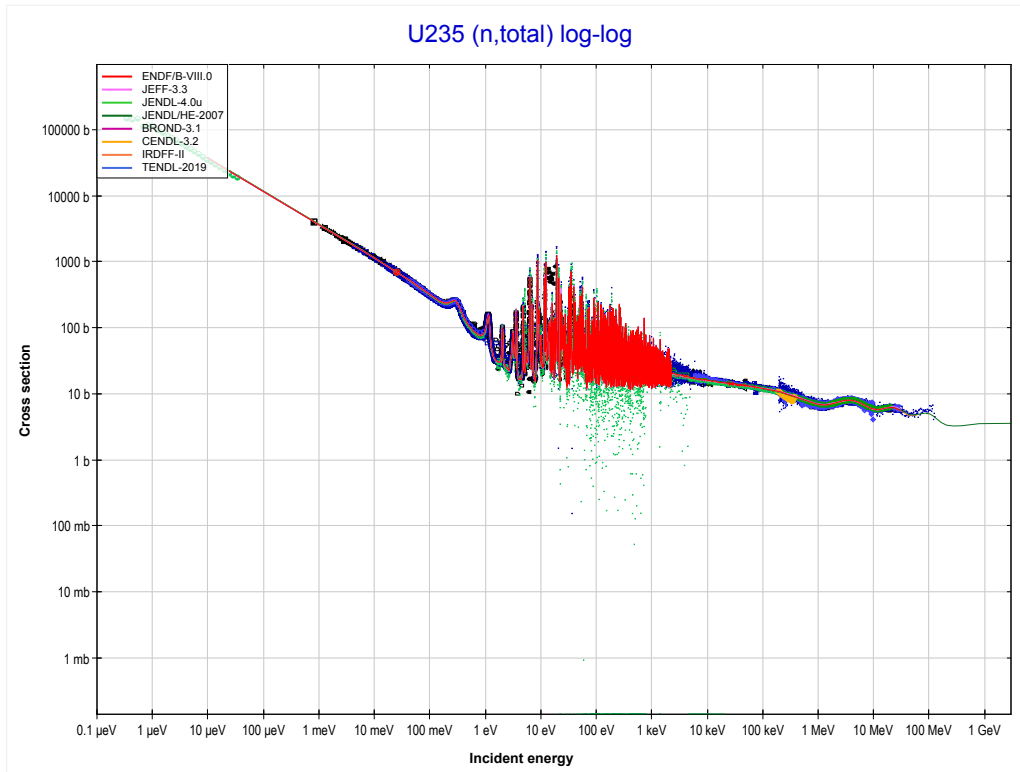
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0669814 b | 0.0669322 b | 0.066283 b | 0.99032 | 0.821836 b | 1.17076 b | 1.97837 b |
| ENDF/B-VIII.0 | 0.0670921 b | 0.0670921 b | 0.066449 b | 0.99042 | 0.70335 b | 1.18052 b | 2.04961 b |
| JEFF-3.3 | 0.0670921 b | 0.0670921 b | 0.066449 b | 0.99042 | 0.70335 b | 1.18052 b | 2.04961 b |
| JENDL-4.0u | 0.0670209 b | 0.0670209 b | 0.065785 b | 0.98155 | 0.728757 b | 1.21089 b | 2.066 b |
| BROND-3.1 | 0.0670209 b | 0.0670209 b | 0.065784 b | 0.98155 | 0.669051 b | 1.17247 b | 2.1084 b |
| CENDL-3.2 | 0.298503 b | 0.298503 b | 0.29522 b | 0.98899 | 0.842925 b | 1.20537 b | 2.031 b |
| TENDL-2019 | 0.0667997 b | 0.0667997 b | 0.066355 b | 0.99334 | 0.435626 b | 1.17968 b | 2.04961 b |

| | | |
|---------------------|---|---------------------------|
| << 92-U-233 | 92-U-234 | 92-U-235 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U235 production) | 92-U-235 MT1 (n,total) >> |



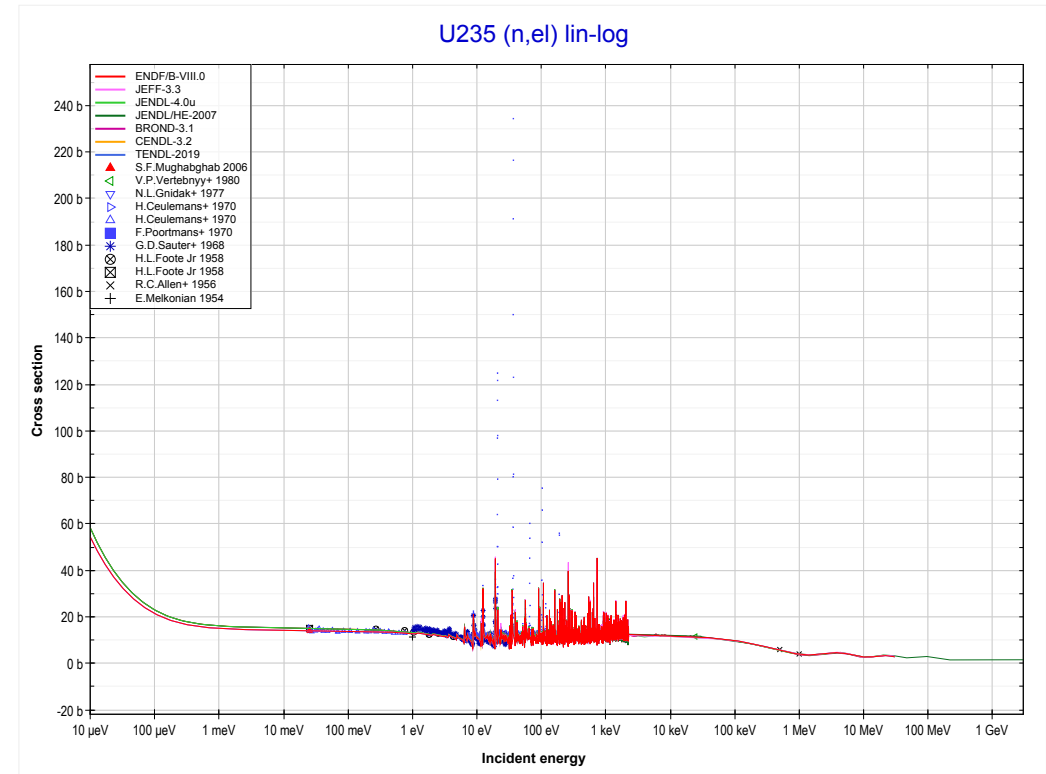
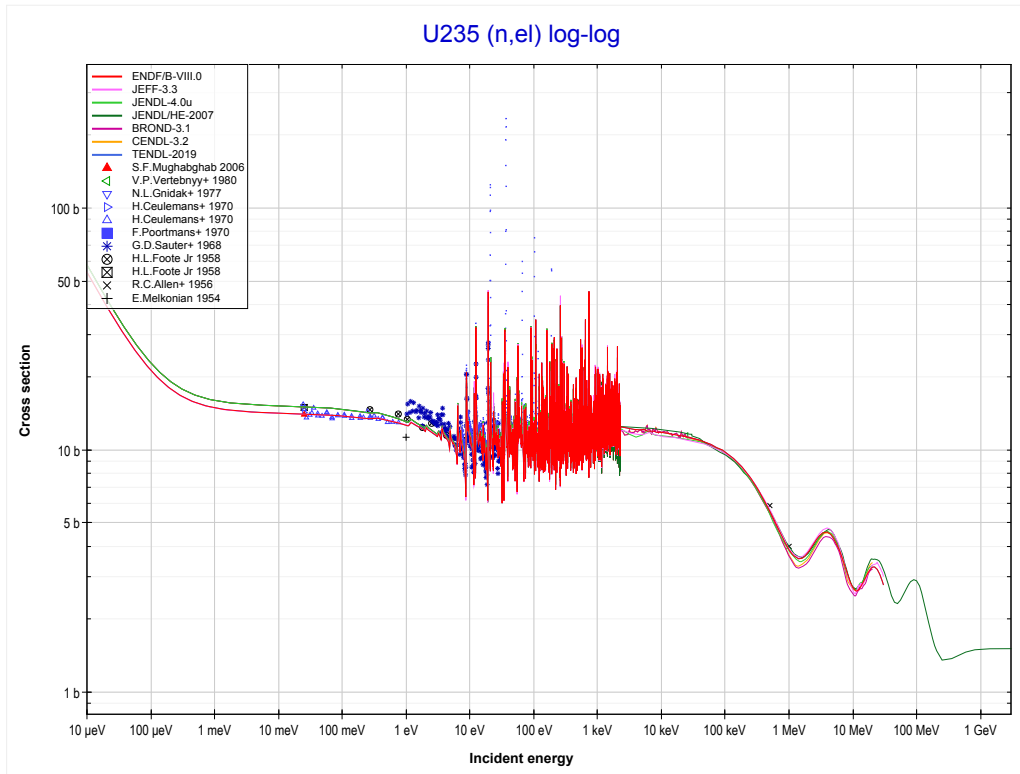
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 99.7418 b | 99.666 b | 98.65 b | 0.9898 | 630.42 b | 0.217949 b | 7.72762E-4 b |
| ENDF/B-VIII.0 | 100.901 b | 100.901 b | 99.934 b | 0.99042 | 631.105 b | 0.0947664 b | 0.0028957 b |
| JEFF-3.3 | 100.901 b | 100.901 b | 99.934 b | 0.99042 | 631.105 b | 0.0947664 b | 0.0028957 b |
| JENDL-4.0u | 100.287 b | 100.287 b | 98.366 b | 0.98085 | 608.798 b | 0.110261 b | 8.56078E-4 b |
| BROND-3.1 | 100.287 b | 100.287 b | 98.365 b | 0.98084 | 608.796 b | 0.11023 b | 8.56078E-4 b |
| CENDL-3.2 | 99.7401 b | 99.7401 b | 98.724 b | 0.98981 | 630.397 b | 0.132721 b | 0.0043244 b |
| TENDL-2019 | 102.514 b | 102.514 b | 101.89 b | 0.99395 | 658.287 b | 0.0950929 b | 0.0028957 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 92-U-234 | 92-U-235 | 92-U-236 >> |
| << 92-U-234 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



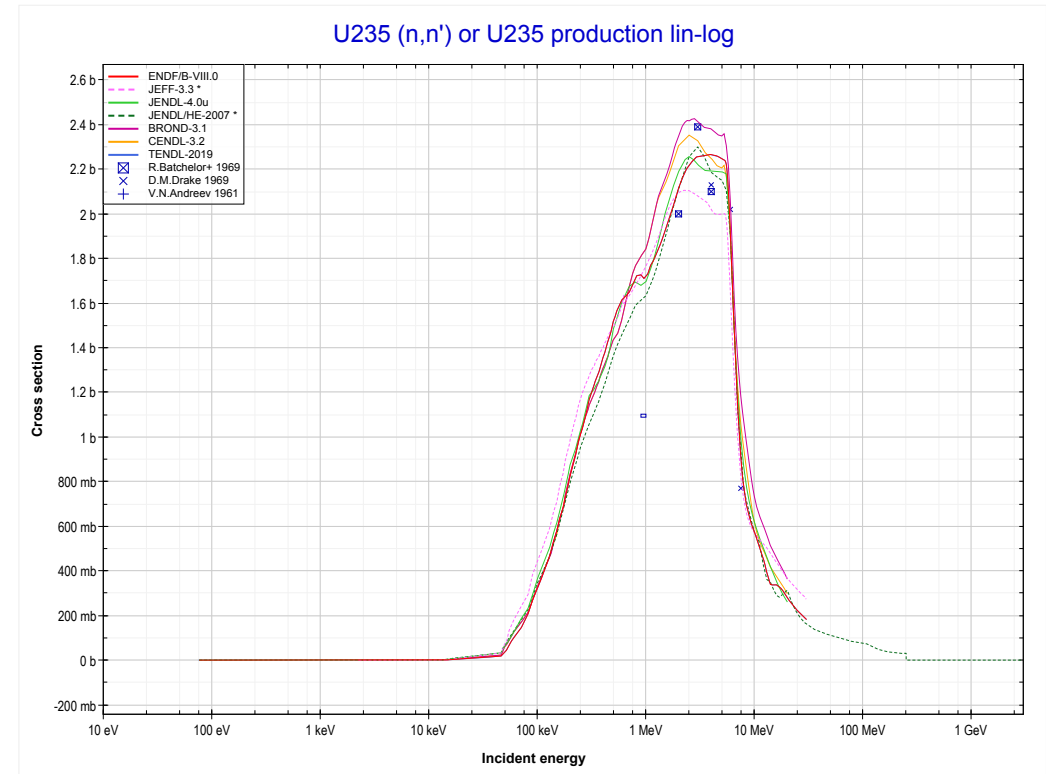
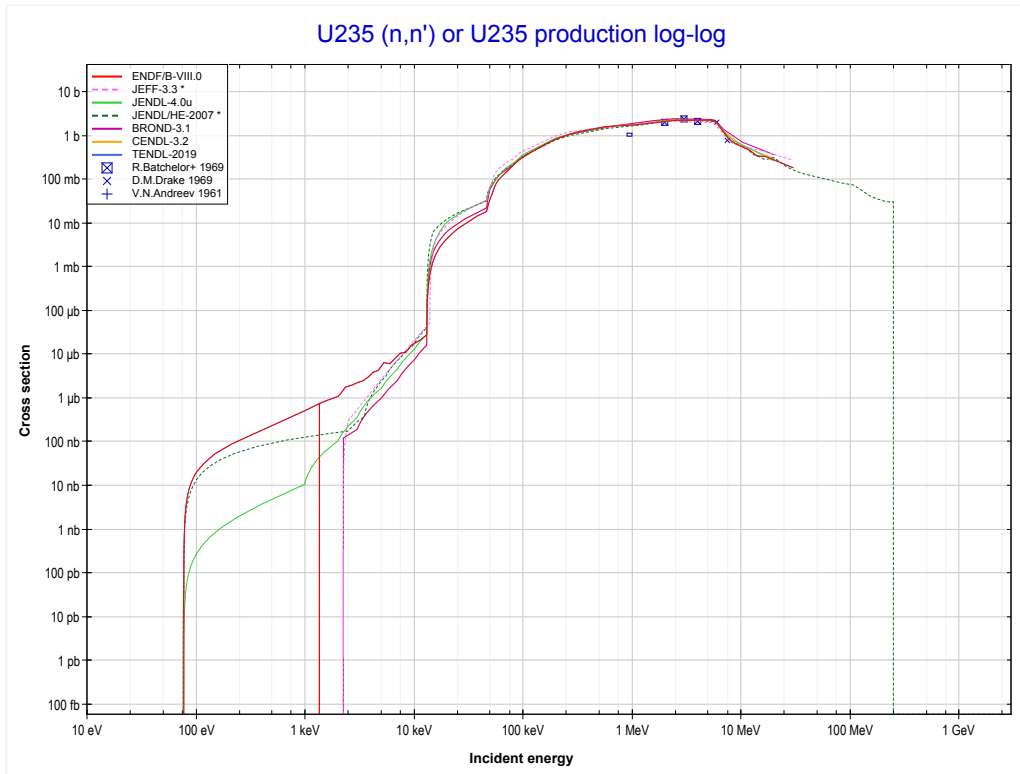
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 700.241 b | 700.241 b | 689.26 b | 0.98432 | 558.115 b | 7.73595 b | 5.81429 b |
| JEFF-3.3 | 698.269 b | 698.269 b | 687.38 b | 0.98441 | 558.057 b | 7.77157 b | 5.79382 b |
| JENDL-4.0u | 698.775 b | 698.775 b | 686.03 b | 0.98176 | 551.981 b | 7.64412 b | 5.89201 b |
| JENDL/HE-2007 | 698.659 b | 698.659 b | 685.69 b | 0.98144 | 553.908 b | 7.72233 b | 5.862 b |
| BROND-3.1 | 698.775 b | 698.775 b | 686.03 b | 0.98176 | 552.977 b | 7.63255 b | 5.83069 b |
| CENDL-3.2 | 698.441 b | 698.441 b | 685.49 b | 0.98145 | 552.755 b | 7.6576 b | 5.85999 b |
| IRDFF-II | 700.184 b | 700.184 b | 689.15 b | 0.98424 | 558.01 b | 7.73559 b | 5.81429 b |
| TENDL-2019 | 700.091 b | 700.091 b | 688.89 b | 0.984 | 557.993 b | 7.73559 b | 5.81429 b |

| | | |
|------------------|------------------------|---------------|
| << 92-U-234 | 92-U-235 | 92-U-236 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.1088 b | 14.1088 b | 15.828 b | 1.12182 | 142.538 b | 4.56473 b | 2.79147 b |
| JEFF-3.3 | 14.0879 b | 14.0879 b | 15.812 b | 1.12237 | 141.358 b | 4.63609 b | 2.75789 b |
| JENDL-4.0u | 15.1153 b | 15.1153 b | 16.934 b | 1.12033 | 144.86 b | 4.47905 b | 2.83896 b |
| JENDL/HE-2007 | 15.1153 b | 15.1153 b | 16.935 b | 1.1204 | 145.227 b | 4.58935 b | 2.83554 b |
| BROND-3.1 | 15.1153 b | 15.1153 b | 16.934 b | 1.12033 | 144.229 b | 4.33504 b | 2.68043 b |
| CENDL-3.2 | 15.1081 b | 15.1081 b | 16.927 b | 1.12039 | 144.142 b | 4.41402 b | 2.74666 b |
| TENDL-2019 | 14.1088 b | 14.1088 b | 15.829 b | 1.12189 | 142.541 b | 4.56542 b | 2.79147 b |

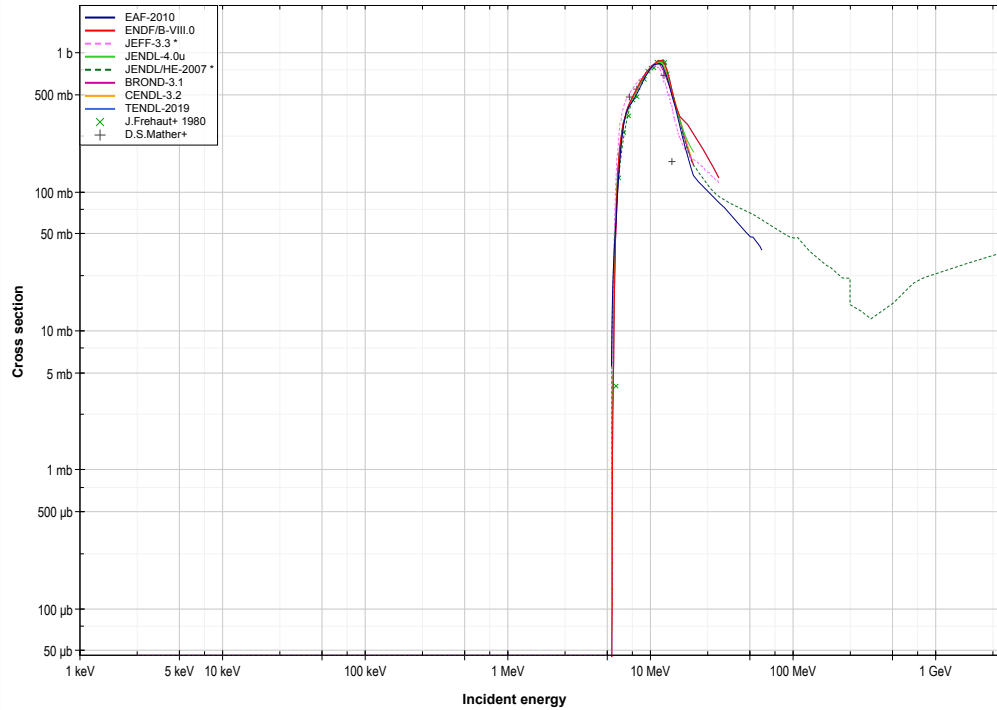
| | | |
|--------------------|--|----------------|
| << 90-Th-232 | 92-U-235 | 92-U-237 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (U235 production) | MT16 (n,2n) >> |



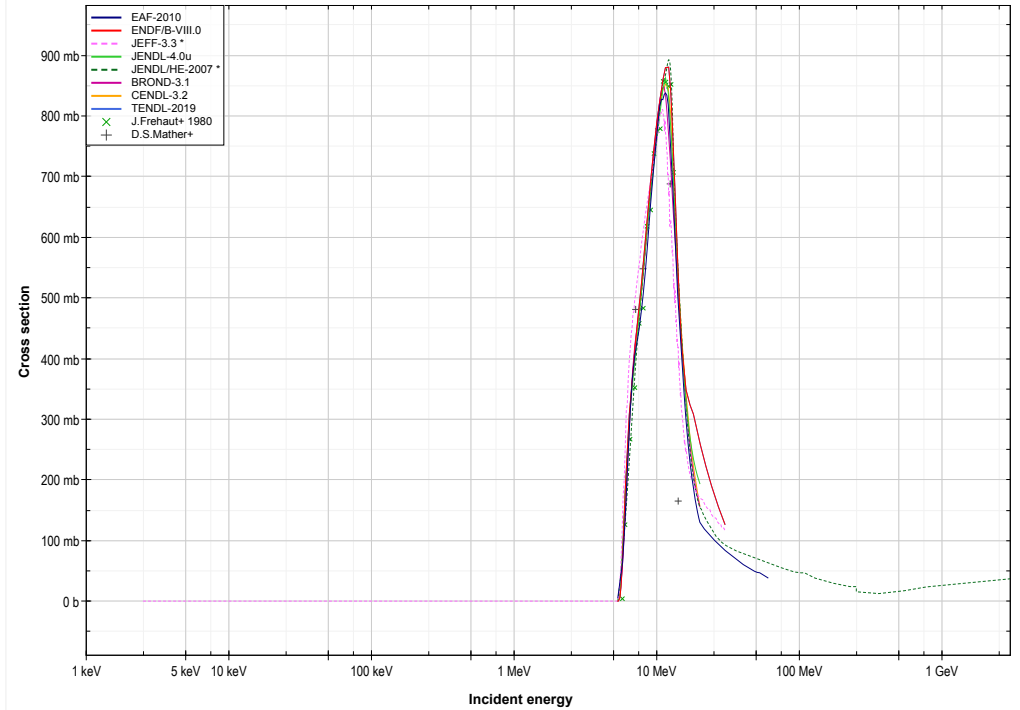
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.122821 b | 1.83507 b | 0.339593 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.193825 b | 1.78657 b | 0.480271 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.154473 b | 1.84127 b | 0.420258 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.154882 b | 1.7854 b | 0.3503 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.137541 b | 1.96321 b | 0.514021 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.137539 b | 1.91745 b | 0.417702 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.122822 b | 1.83491 b | 0.339593 b |

| | | |
|---------------|---|----------------|
| << 90-Th-232 | 92-U-235 | 92-U-238 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (U234 production) | MT17 (n,3n) >> |

U235 (n,2n) or U234 production log-log

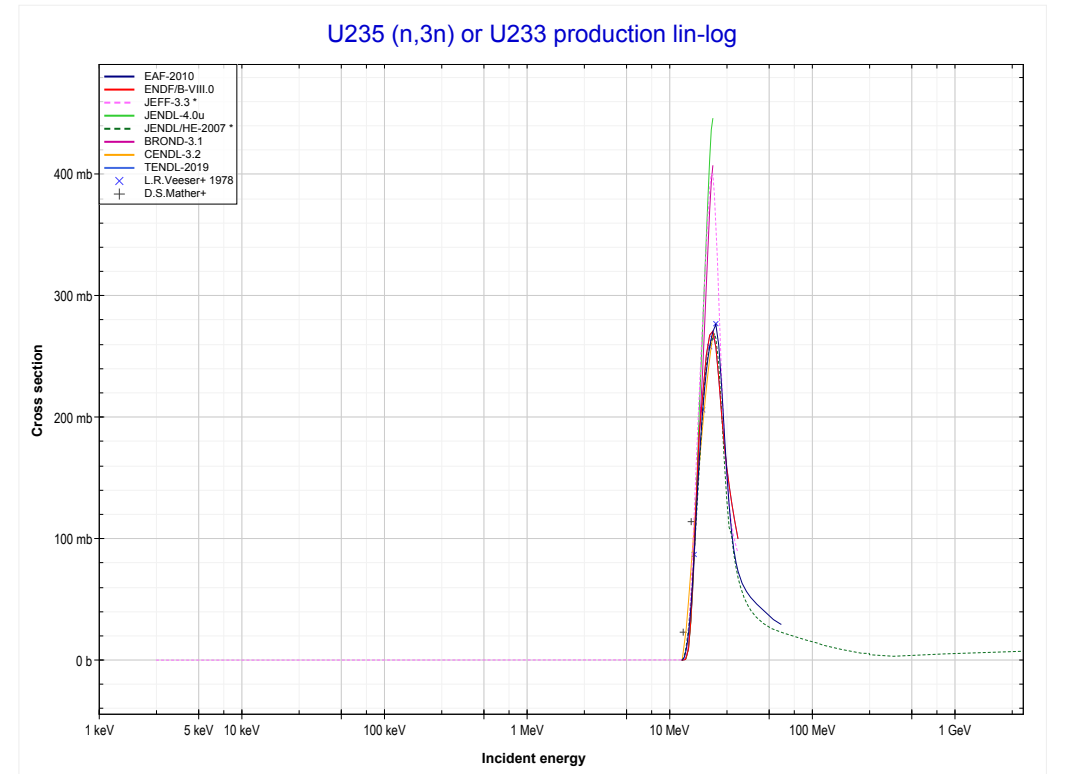
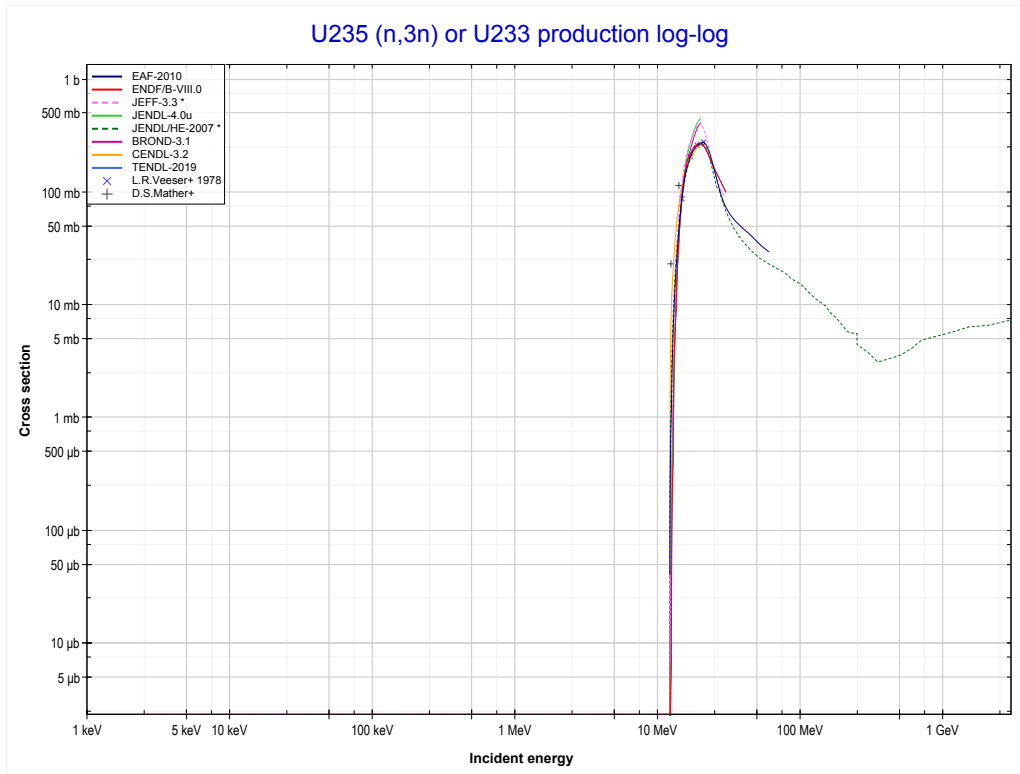


U235 (n,2n) or U234 production lin-log



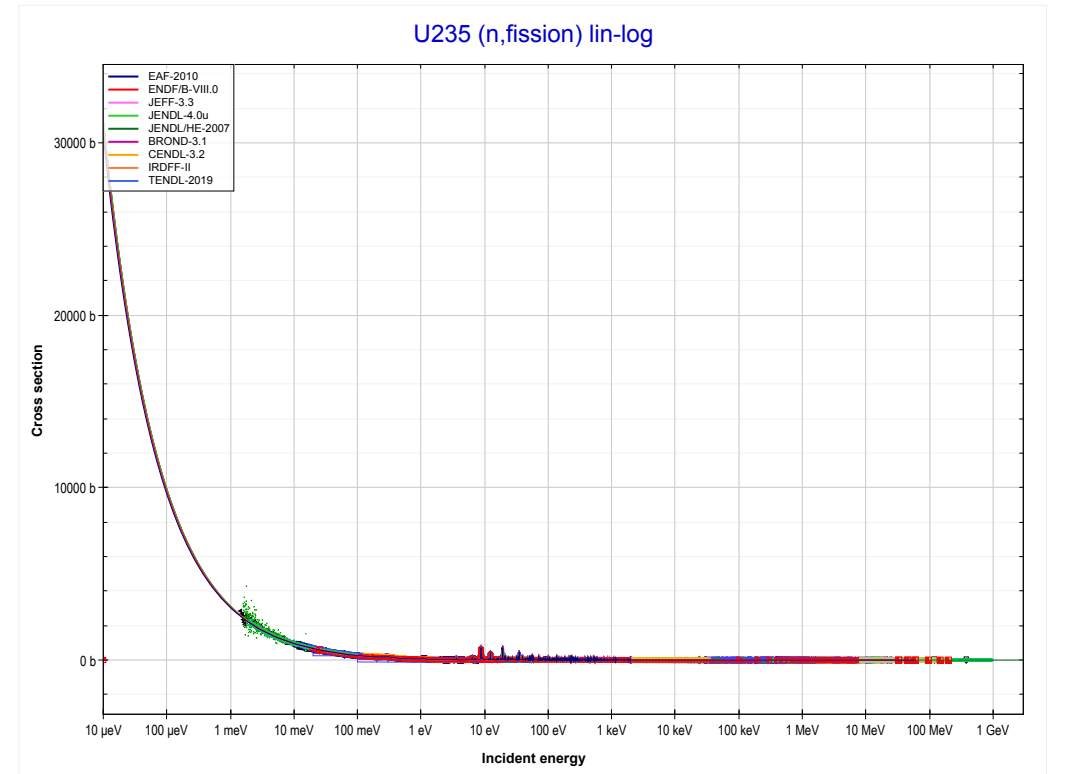
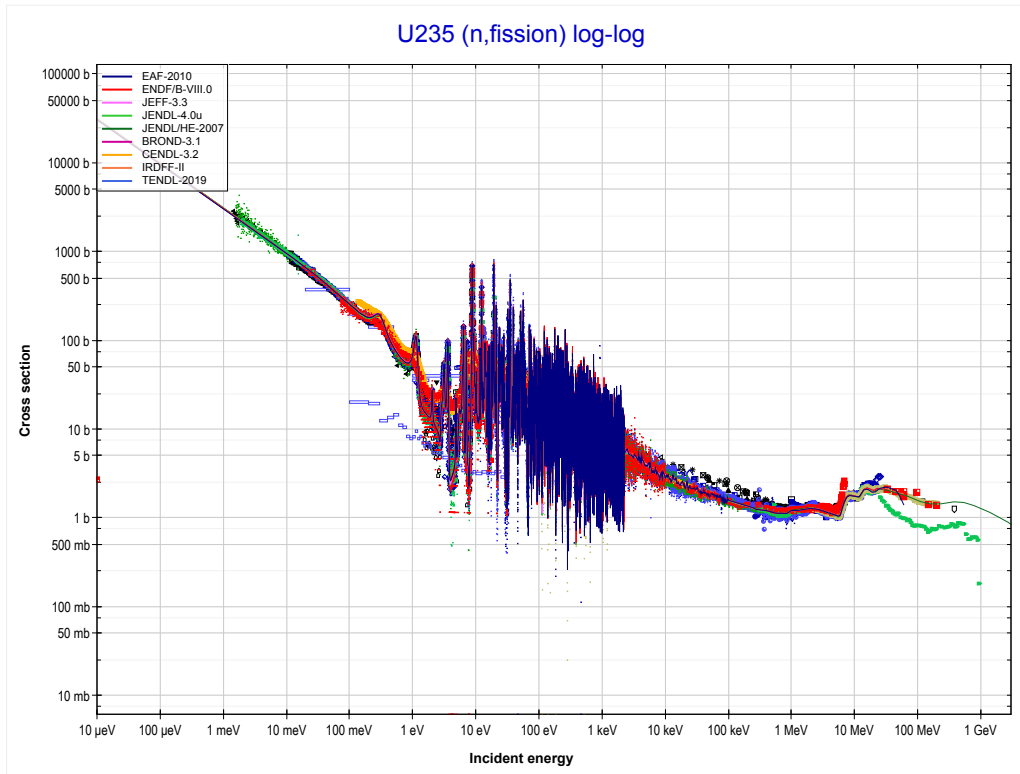
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0138169 b | 0.503557 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0146871 b | 0.556285 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0172423 b | 0.416963 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0143934 b | 0.548171 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0134884 b | 0.556294 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0140598 b | 0.522142 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0143623 b | 0.53774 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0146871 b | 0.556285 b |

| | | |
|----------------|---|---------------------|
| << 90-Th-232 | 92-U-235 | 92-U-238 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (U233 production) | MT18 (n,fission) >> |



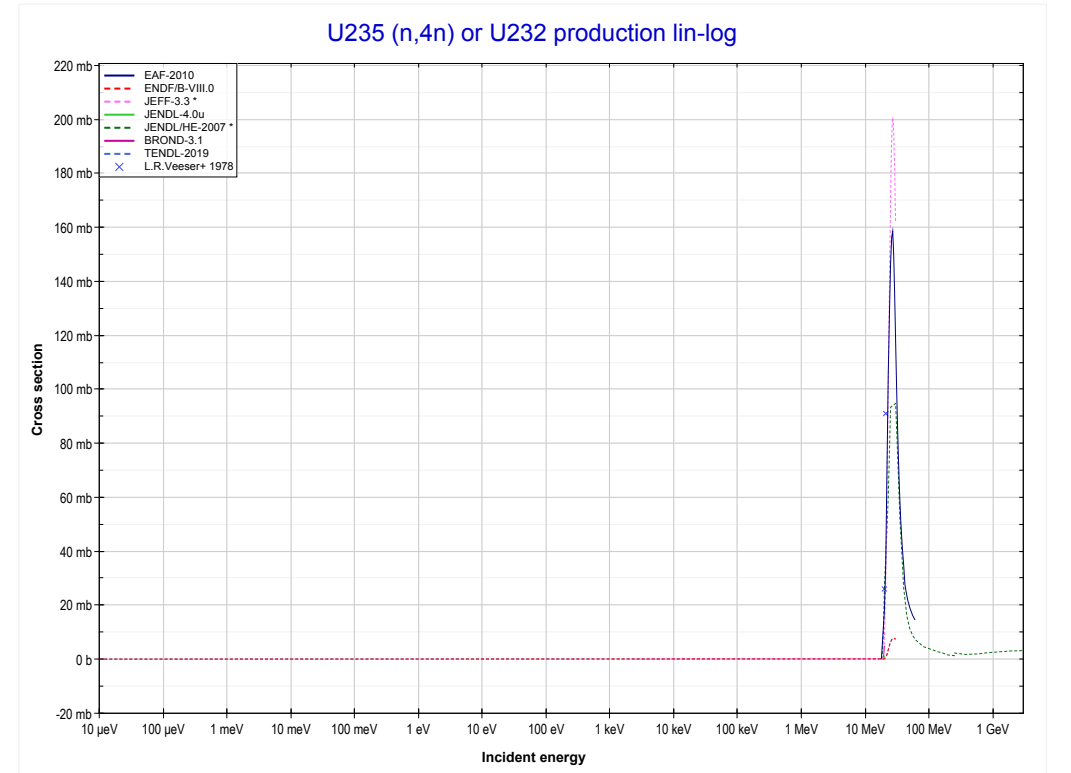
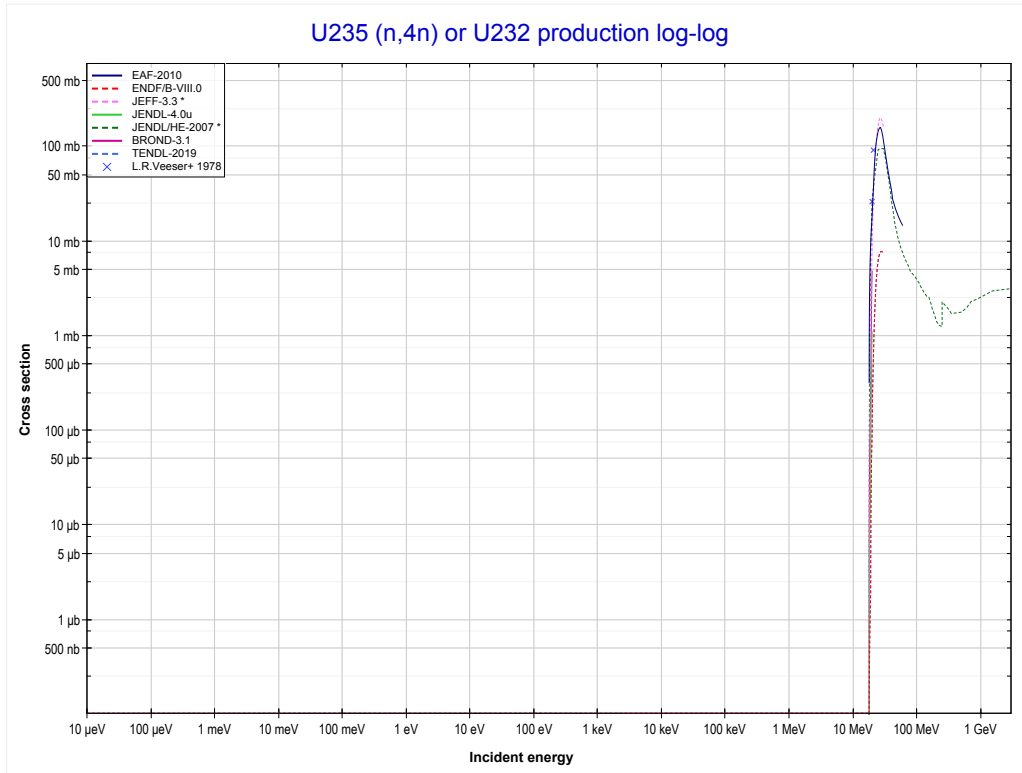
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.64912E-5 b | 0.04179 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55803E-5 b | 0.0315804 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 2.13394E-5 b | 0.0546193 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.71395E-5 b | 0.0303288 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.71915E-5 b | 0.0470643 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.59961E-5 b | 0.0329855 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 2.27627E-5 b | 0.07269 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55803E-5 b | 0.0315804 b |

| | | |
|----------------|-------------------------|----------------|
| << 92-U-234 | 92-U-235 | 92-U-236 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT37 (n,4n) >> |



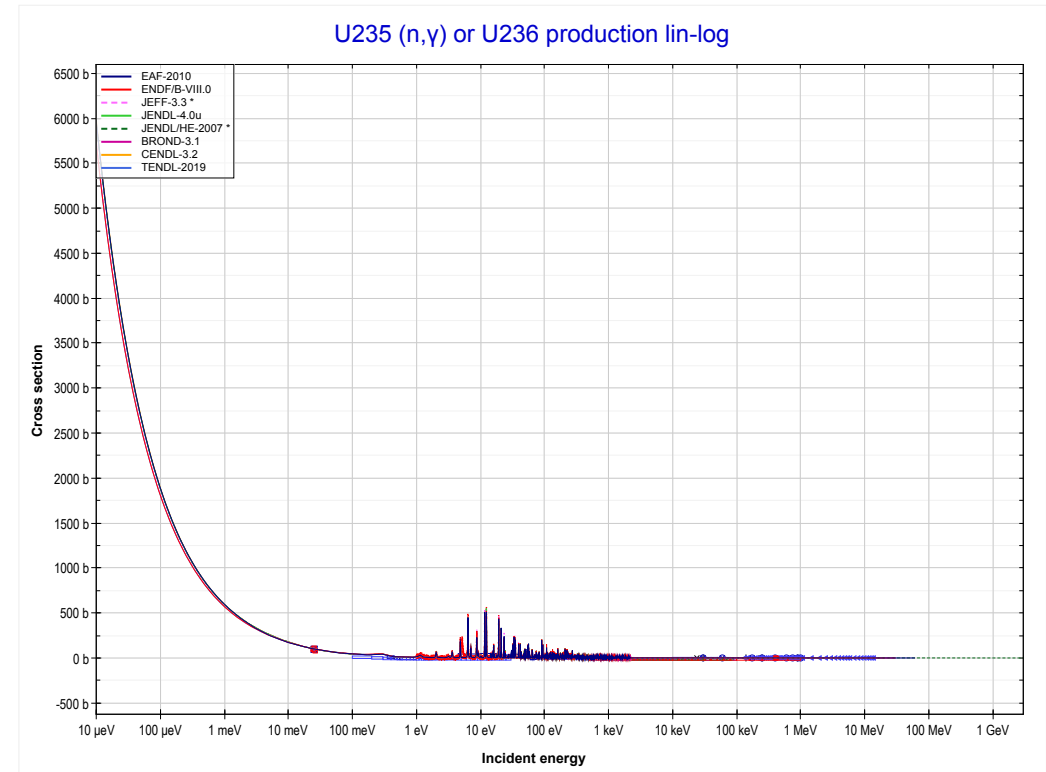
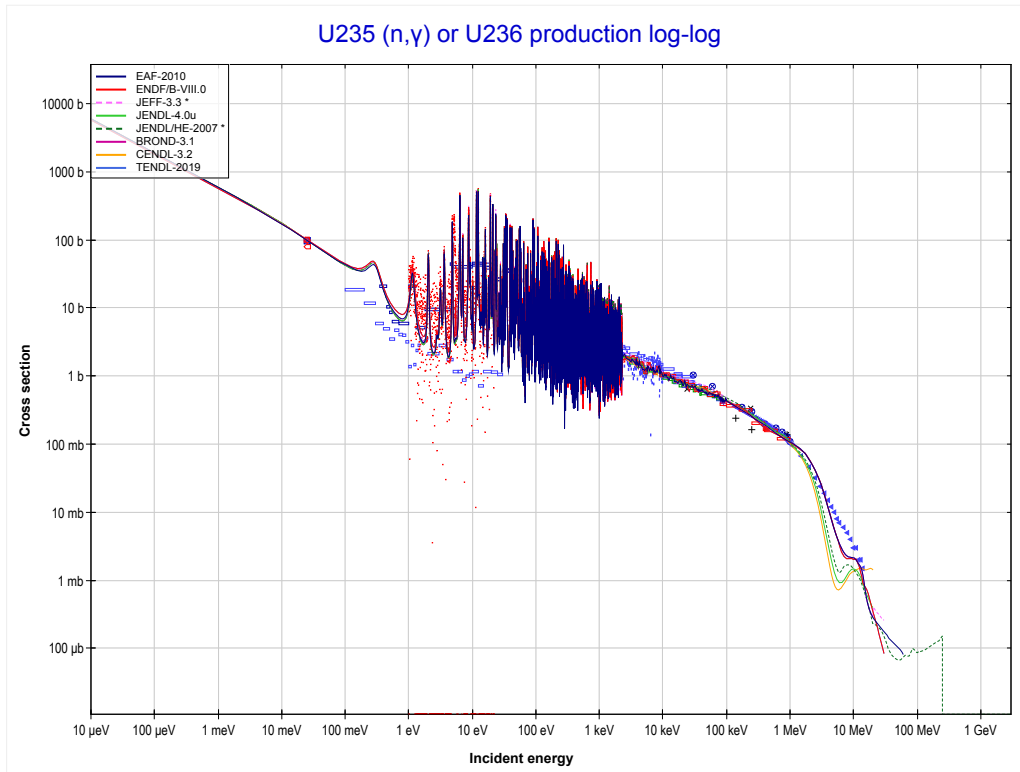
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 583.199 b | 582.709 b | 568.7 b | 0.97587 | 271.565 b | 1.21872 b | 2.06 b |
| ENDF/B-VIII.0 | 586.737 b | 586.737 b | 574.79 b | 0.97963 | 273.014 b | 1.22687 b | 2.079 b |
| JEFF-3.3 | 584.536 b | 584.536 b | 572.91 b | 0.9801 | 275.321 b | 1.22511 b | 2.0799 b |
| JENDL-4.0u | 584.977 b | 584.977 b | 571.28 b | 0.97659 | 268.588 b | 1.21934 b | 2.0534 b |
| JENDL/HE-2007 | 584.883 b | 584.883 b | 571 b | 0.97626 | 268.584 b | 1.23947 b | 2.072 b |
| BROND-3.1 | 584.977 b | 584.977 b | 571.28 b | 0.97659 | 268.764 b | 1.22506 b | 2.0799 b |
| CENDL-3.2 | 583.978 b | 583.978 b | 570.11 b | 0.97624 | 268.626 b | 1.22515 b | 2.0799 b |
| IRDFF-II | 586.691 b | 586.691 b | 574.69 b | 0.97955 | 272.941 b | 1.2269 b | 2.079 b |
| TENDL-2019 | 586.614 b | 586.614 b | 574.47 b | 0.97931 | 272.928 b | 1.2269 b | 2.079 b |

| | | |
|---------------------|---|-------------------------|
| << 83-Bi-209 | 92-U-235 | 92-U-238 >> |
| << MT18 (n,fission) | MT37 (n,4n) or MT5 (U232 production) | MT102 (n, γ) >> |



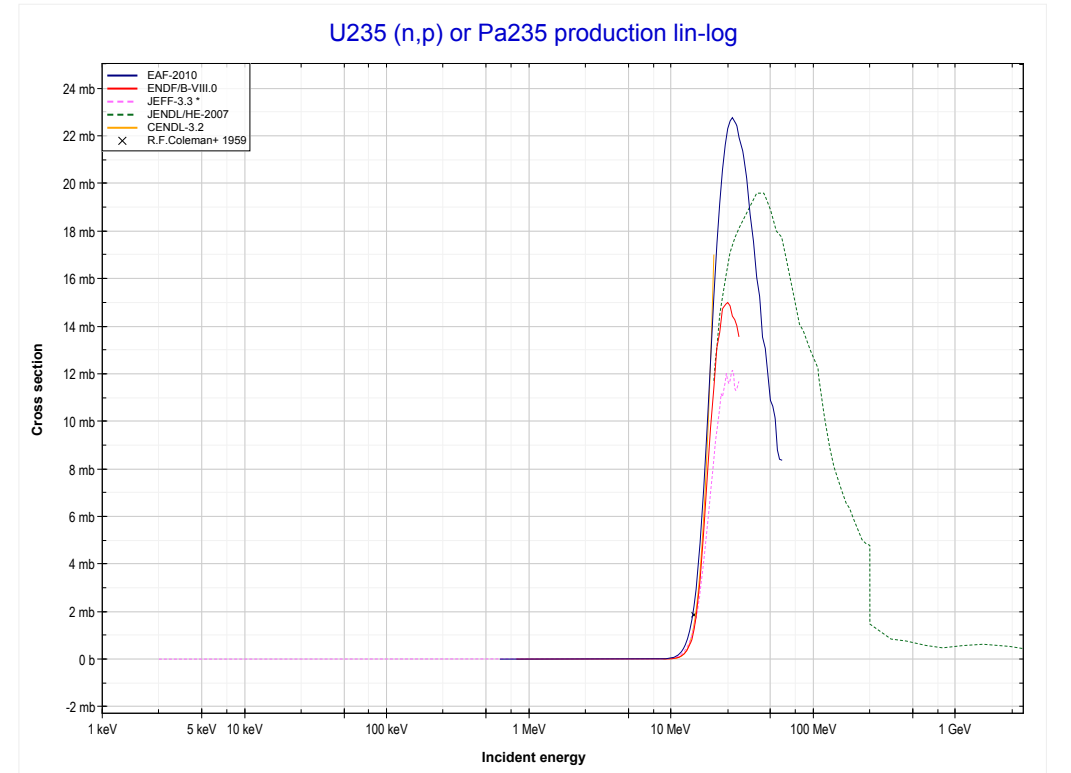
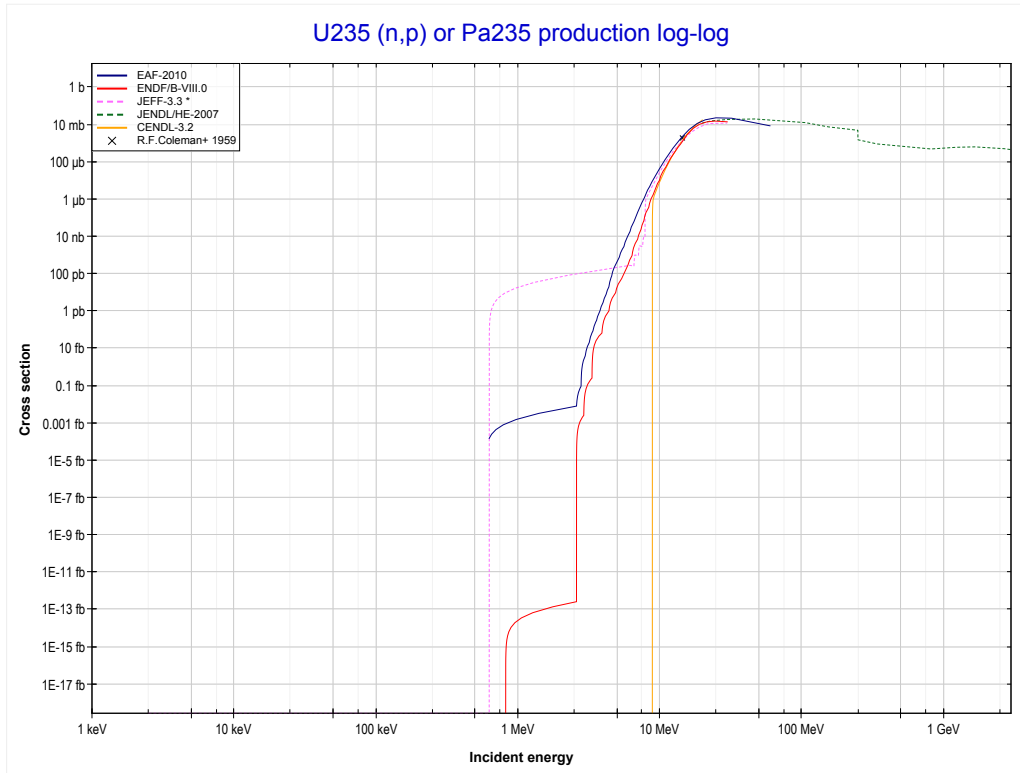
| | |
|----------------|---------------|
| Reaction | Q-Value |
| U235(n,4n)U232 | -17904.65 keV |

| | | |
|----------------|---|----------------|
| << 92-U-234 | 92-U-235 | 92-U-236 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (U236 production) | MT103 (n,p) >> |



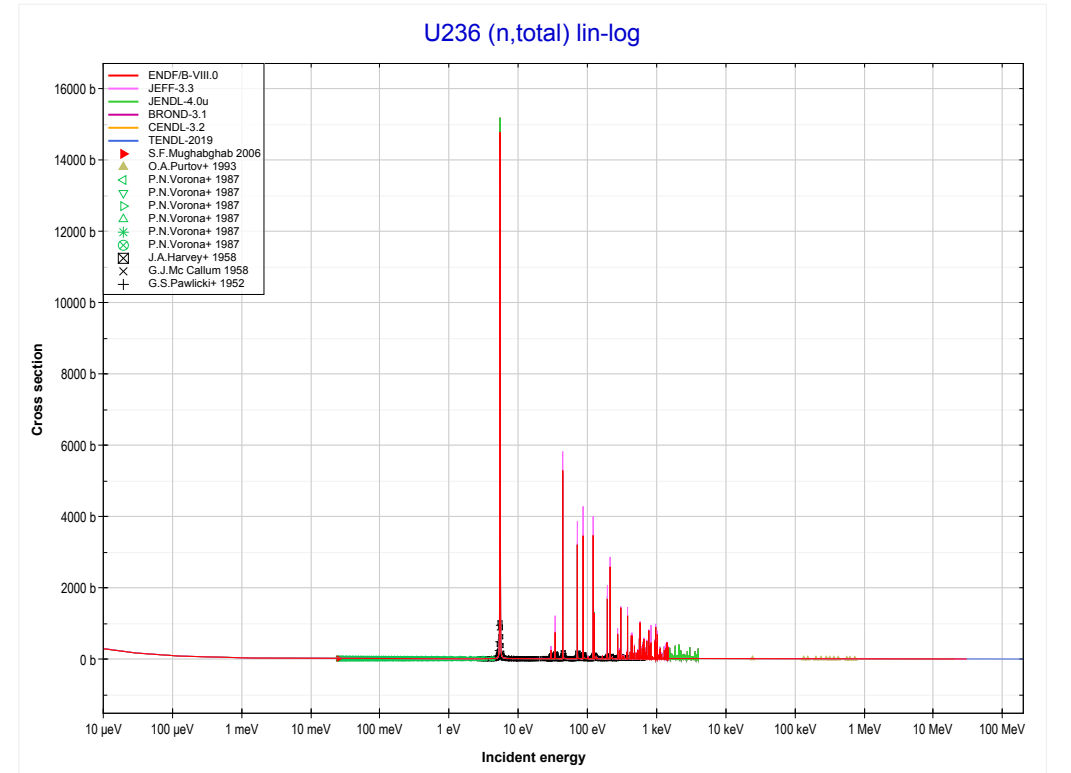
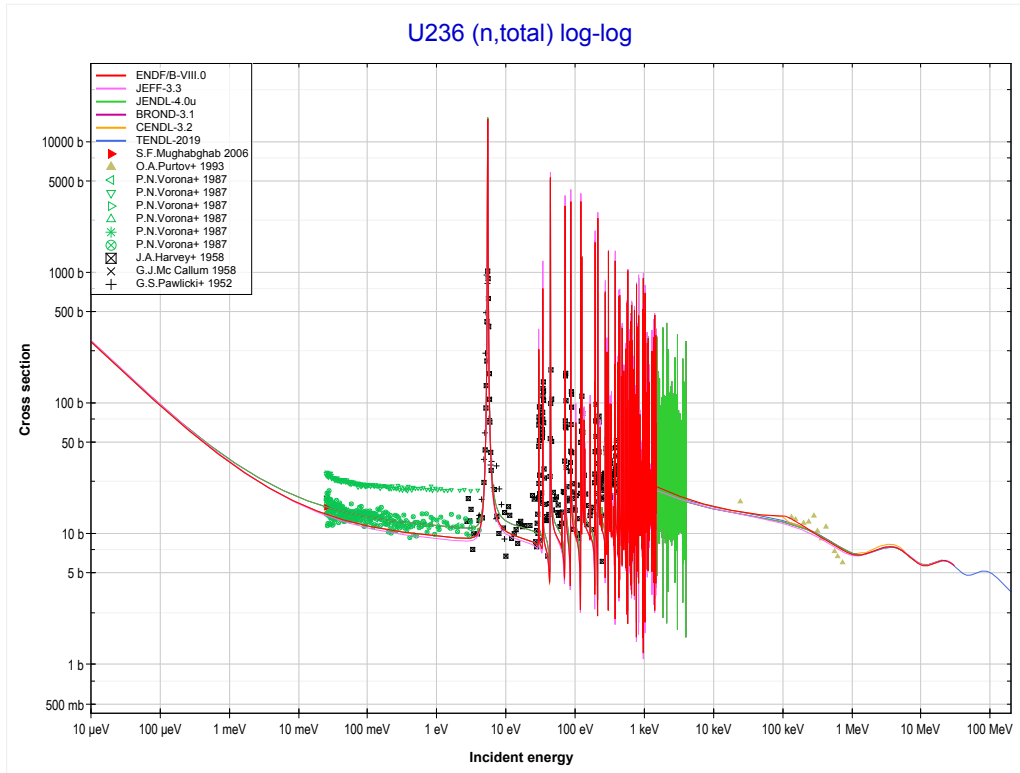
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 98.9503 b | 98.8586 b | 97.321 b | 0.98427 | 131.98 b | 0.0951871 b | 0.00121269 b |
| ENDF/B-VIII.0 | 99.3942 b | 99.3942 b | 98.645 b | 0.99246 | 142.439 b | 0.0945505 b | 9.06187E-4 b |
| JEFF-3.3 | 99.645 b | 99.645 b | 98.667 b | 0.99018 | 141.183 b | 0.0968893 b | 0.0012127 b |
| JENDL-4.0u | 98.6828 b | 98.6828 b | 97.815 b | 0.99121 | 138.378 b | 0.0900431 b | 8.89716E-4 b |
| JENDL/HE-2007 | 98.6614 b | 98.6614 b | 97.757 b | 0.99083 | 139.928 b | 0.0940549 b | 8.02331E-4 b |
| BROND-3.1 | 98.6828 b | 98.6828 b | 97.815 b | 0.99121 | 139.847 b | 0.0951637 b | 0.0012127 b |
| CENDL-3.2 | 99.3548 b | 99.3548 b | 98.453 b | 0.99093 | 139.828 b | 0.0853785 b | 0.0014691 b |
| TENDL-2019 | 99.3677 b | 99.3677 b | 98.582 b | 0.9921 | 142.383 b | 0.0945512 b | 9.06187E-4 b |

| | | |
|-------------------------|--|---------------------------|
| << 83-Bi-209 | 92-U-235 | 92-U-238 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pa235 production) | 92-U-236 MT1 (n,total) >> |



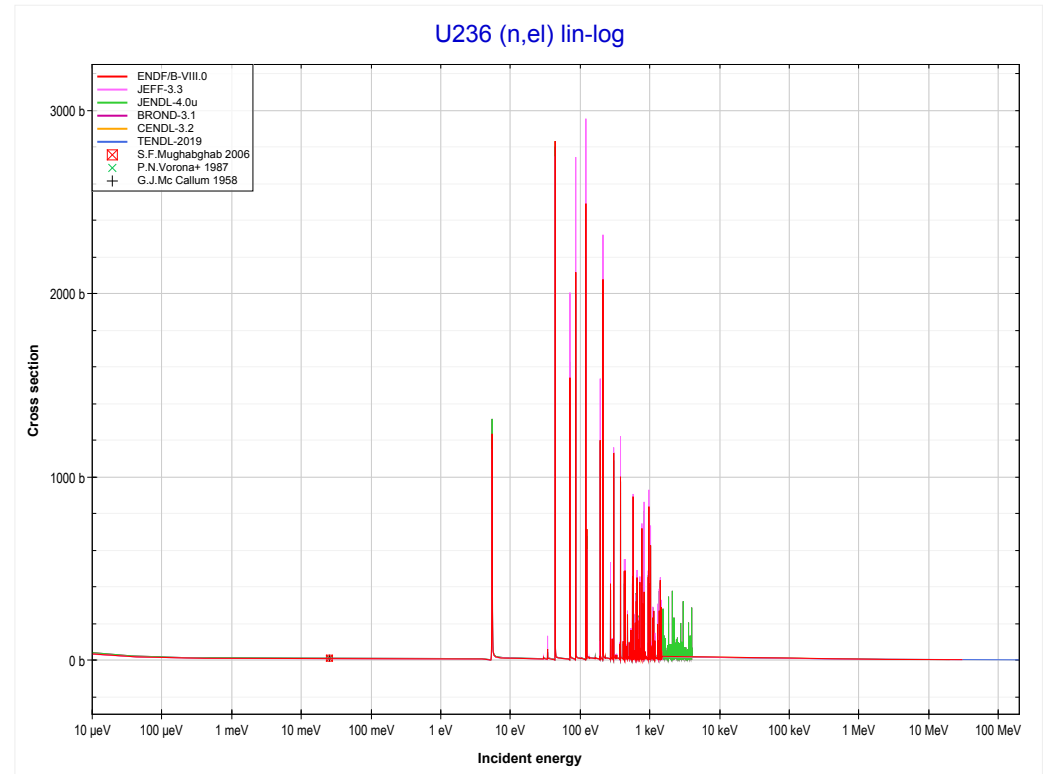
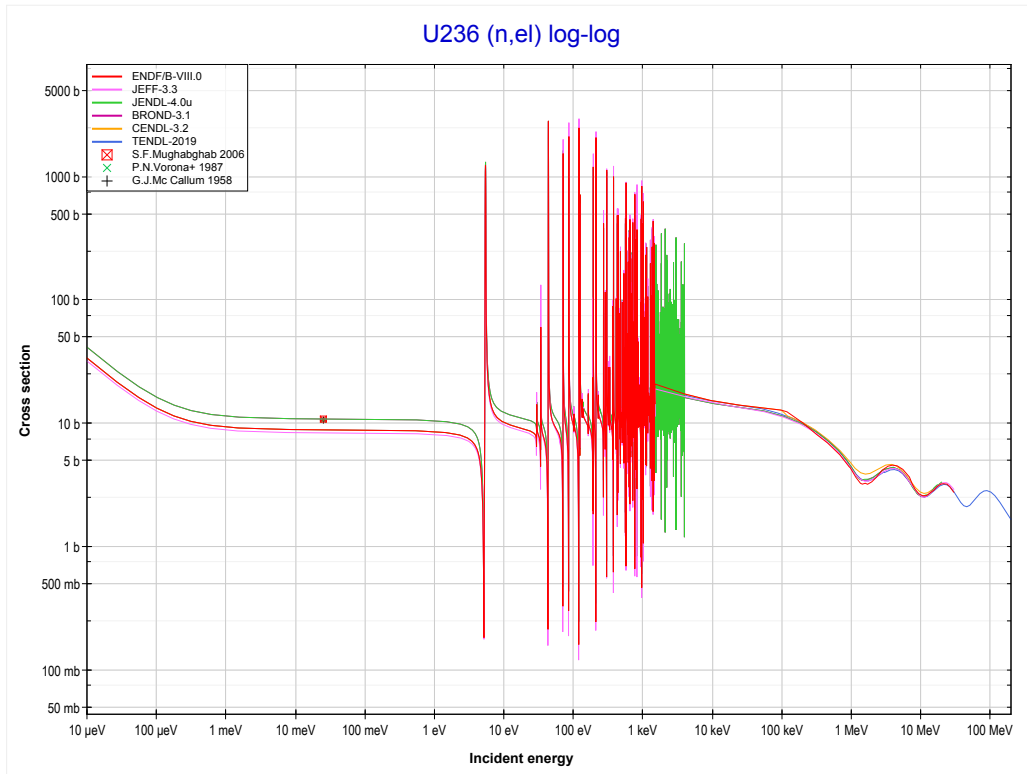
| | |
|-----------------|----------------|
| Reaction | Q-Value |
| U235(n,p)Pa235 | -587.85 keV |

| | | |
|-------------------------|----------------------|--------------------|
| << 92-U-235 | 92-U-236 | 92-U-237 >> |
| << 92-U-235 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



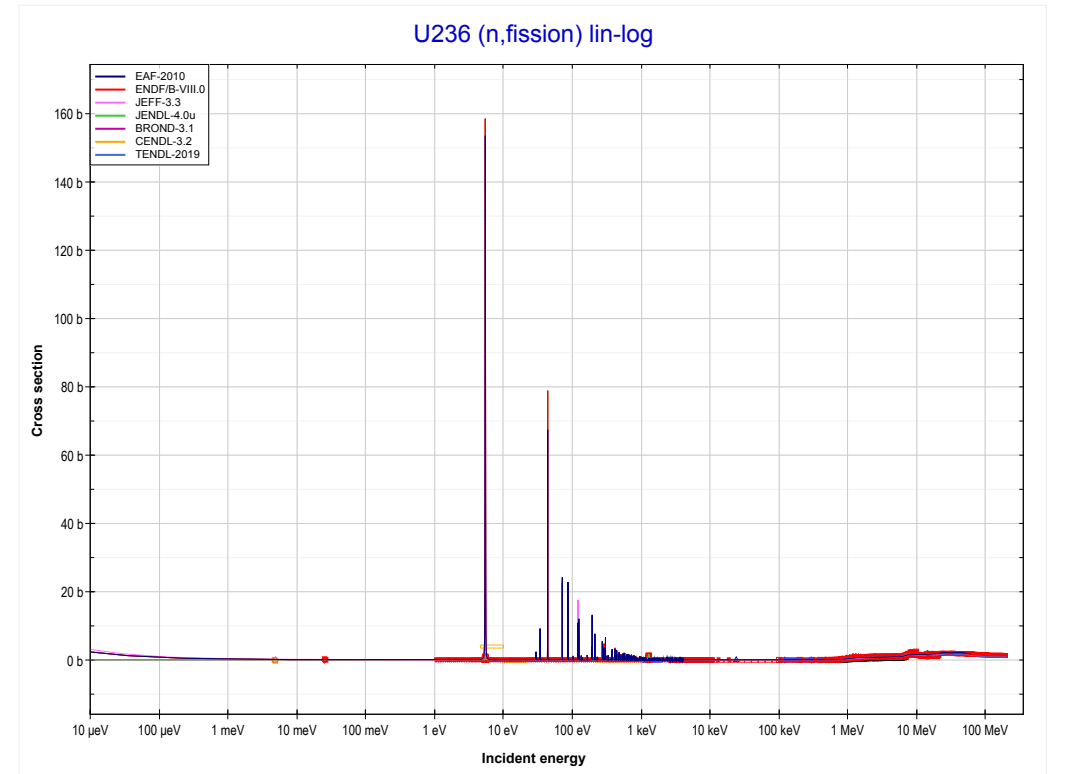
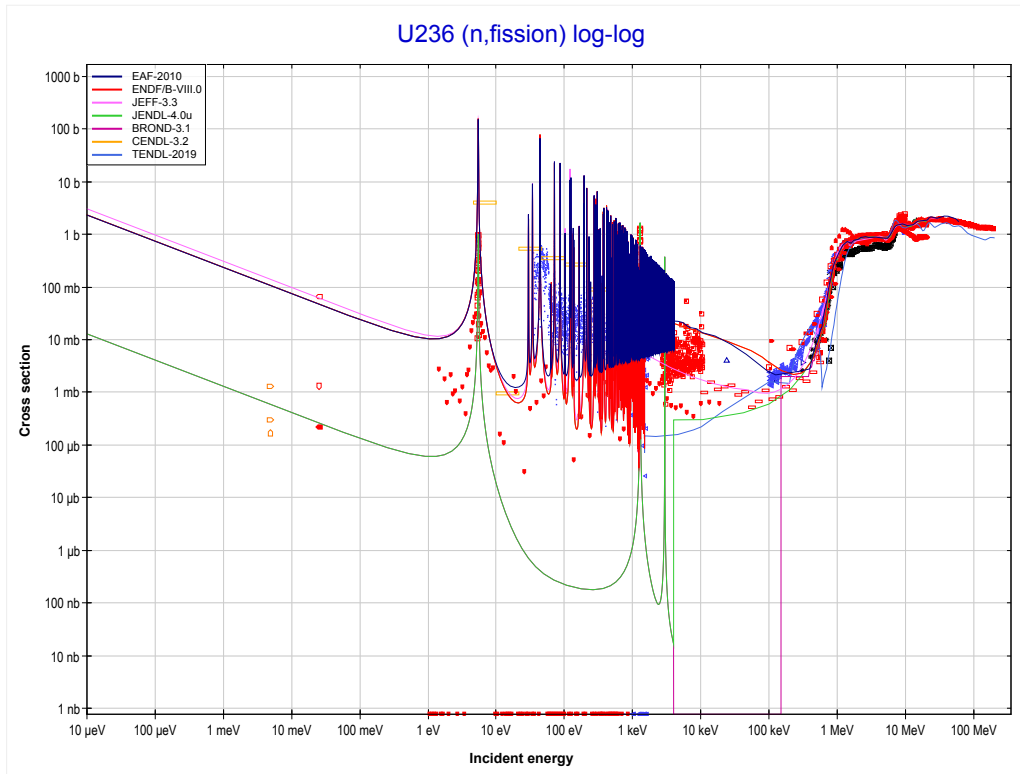
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.0216 b | 14.0216 b | 15.163 b | 1.08144 | 591.775 b | 7.82898 b | 5.78701 b |
| JEFF-3.3 | 13.7124 b | 13.7124 b | 14.79 b | 1.07859 | 602.175 b | 7.69408 b | 5.8479 b |
| JENDL-4.0u | 15.9507 b | 15.9507 b | 17.347 b | 1.08751 | 611.794 b | 7.83479 b | 5.88477 b |
| BROND-3.1 | 15.9507 b | 15.9507 b | 17.347 b | 1.08751 | 611.806 b | 7.83643 b | 5.89051 b |
| CENDL-3.2 | 14.0204 b | 14.0204 b | 15.161 b | 1.08135 | 591.625 b | 8.00582 b | 5.79388 b |
| TENDL-2019 | 14.0204 b | 14.0204 b | 15.161 b | 1.08135 | 590.553 b | 7.81164 b | 5.82494 b |

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|------------------|------------------------|---------------------|
| << 92-U-235 | 92-U-236 | 92-U-237 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



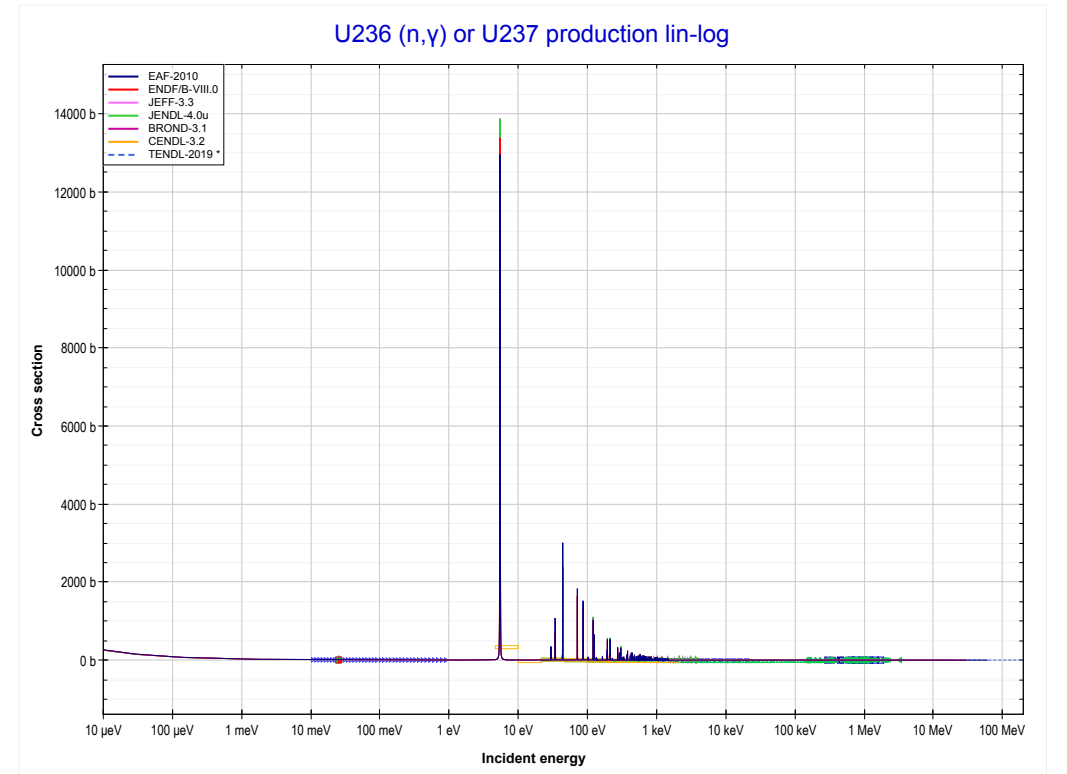
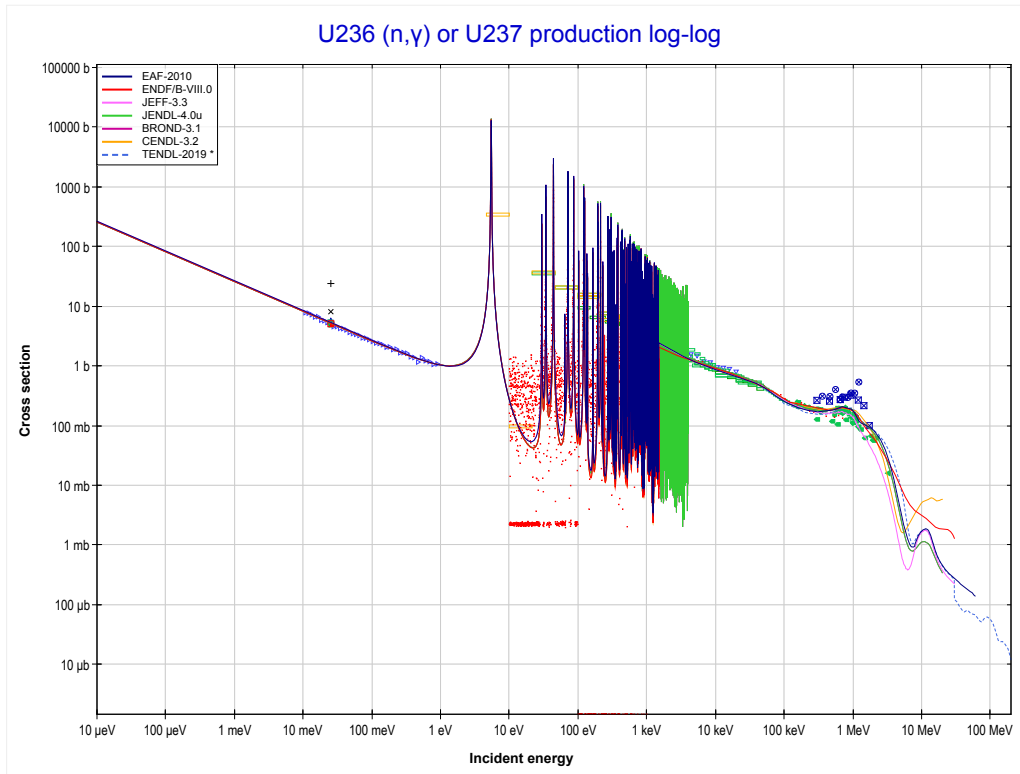
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.84114 b | 8.84114 b | 9.9688 b | 1.12755 | 245.864 b | 4.78499 b | 2.74591 b |
| JEFF-3.3 | 8.35457 b | 8.35457 b | 9.4207 b | 1.12761 | 252.606 b | 4.75946 b | 2.71016 b |
| JENDL-4.0u | 10.8283 b | 10.8283 b | 12.21 b | 1.12756 | 258.646 b | 4.87671 b | 2.71164 b |
| BROND-3.1 | 10.8283 b | 10.8283 b | 12.21 b | 1.12756 | 258.661 b | 4.87056 b | 2.77183 b |
| CENDL-3.2 | 8.84114 b | 8.84114 b | 9.9695 b | 1.12762 | 245.842 b | 5.18022 b | 2.82194 b |
| TENDL-2019 | 8.84114 b | 8.84114 b | 9.9695 b | 1.12762 | 244.689 b | 4.82913 b | 2.66795 b |

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|--------------------|-------------------------|-------------------------|
| << 92-U-235 | 92-U-236 | 92-U-237 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



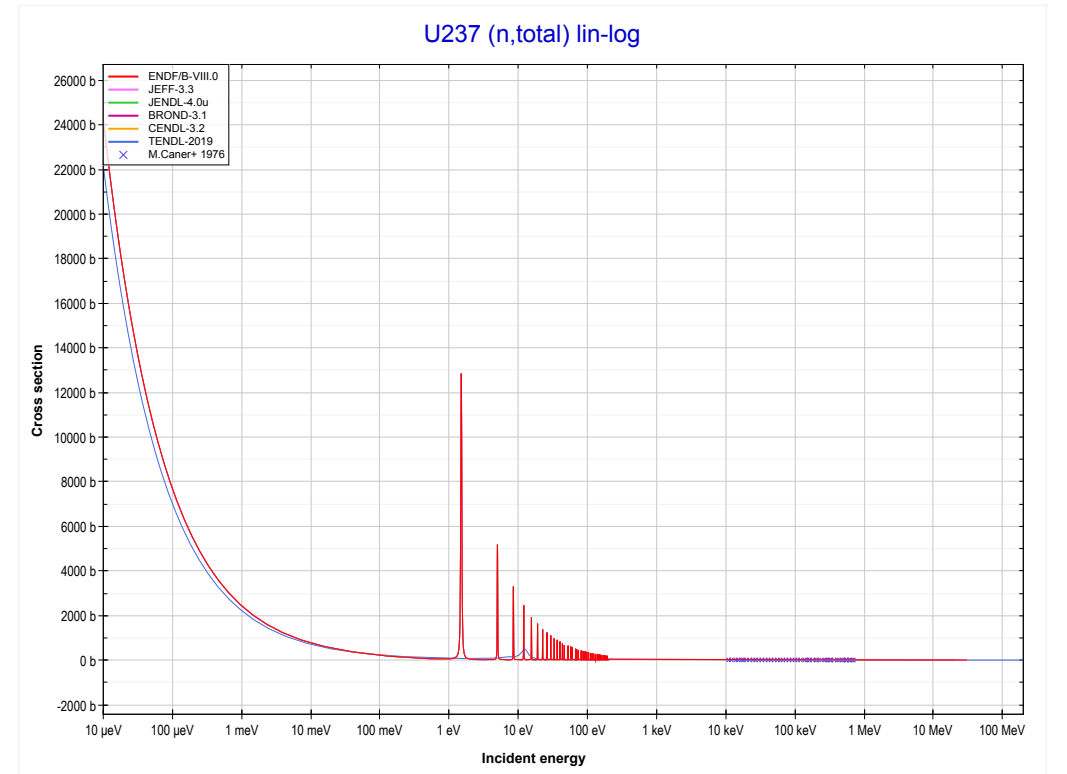
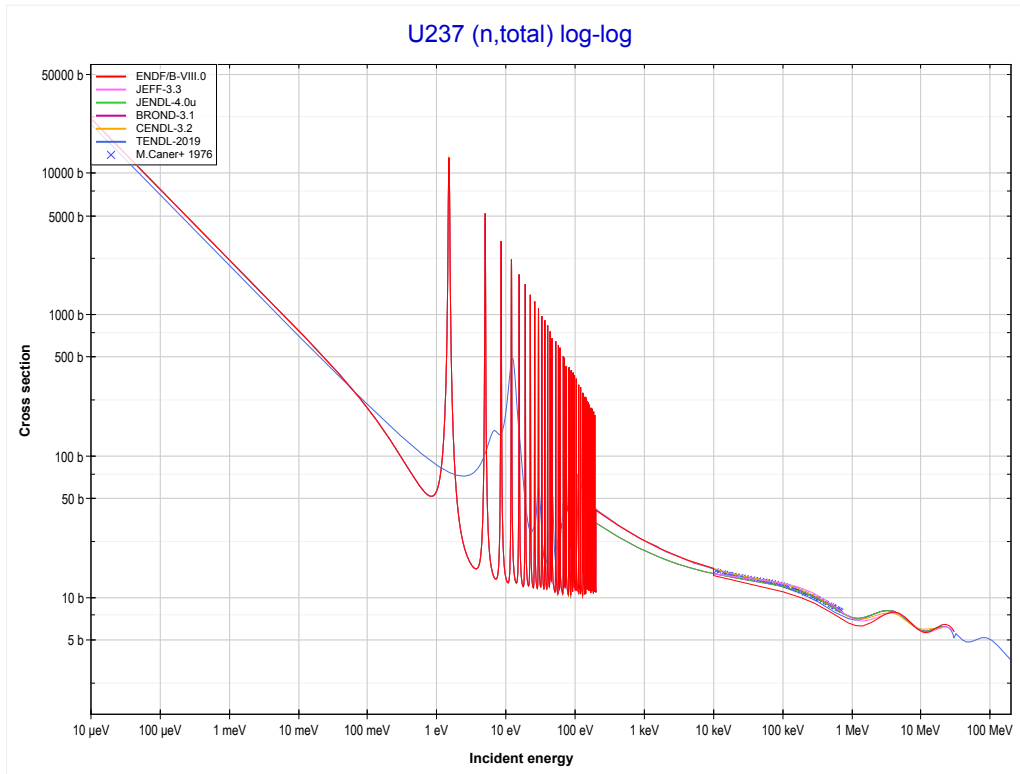
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0468485 b | 0.046814 b | 0.046979 b | 1.00353 | 4.38223 b | 0.581996 b | 1.628 b |
| ENDF/B-VIII.0 | 0.0471036 b | 0.0471036 b | 0.047304 b | 1.00425 | 4.46249 b | 0.57585 b | 1.61307 b |
| JEFF-3.3 | 0.0613027 b | 0.0613027 b | 0.061448 b | 1.00238 | 4.3392 b | 0.56135 b | 1.56507 b |
| JENDL-4.0u | 2.59335E-4 b | 2.59335E-4 b | 2.6063E-4 b | 1.005 | 0.0270398 b | 0.571309 b | 1.611 b |
| BROND-3.1 | 2.59335E-4 b | 2.59335E-4 b | 2.6063E-4 b | 1.005 | 0.0258314 b | 0.579583 b | 1.582 b |
| CENDL-3.2 | 0.0470934 b | 0.0470934 b | 0.047276 b | 1.00387 | 4.46151 b | 0.581433 b | 1.6737 b |
| TENDL-2019 | 0.0470934 b | 0.0470934 b | 0.047276 b | 1.00387 | 4.40281 b | 0.501493 b | 1.59364 b |

| | | |
|---------------------|---|---------------------------|
| << 92-U-235 | 92-U-236 | 92-U-237 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U237 production) | 92-U-237 MT1 (n,total) >> |



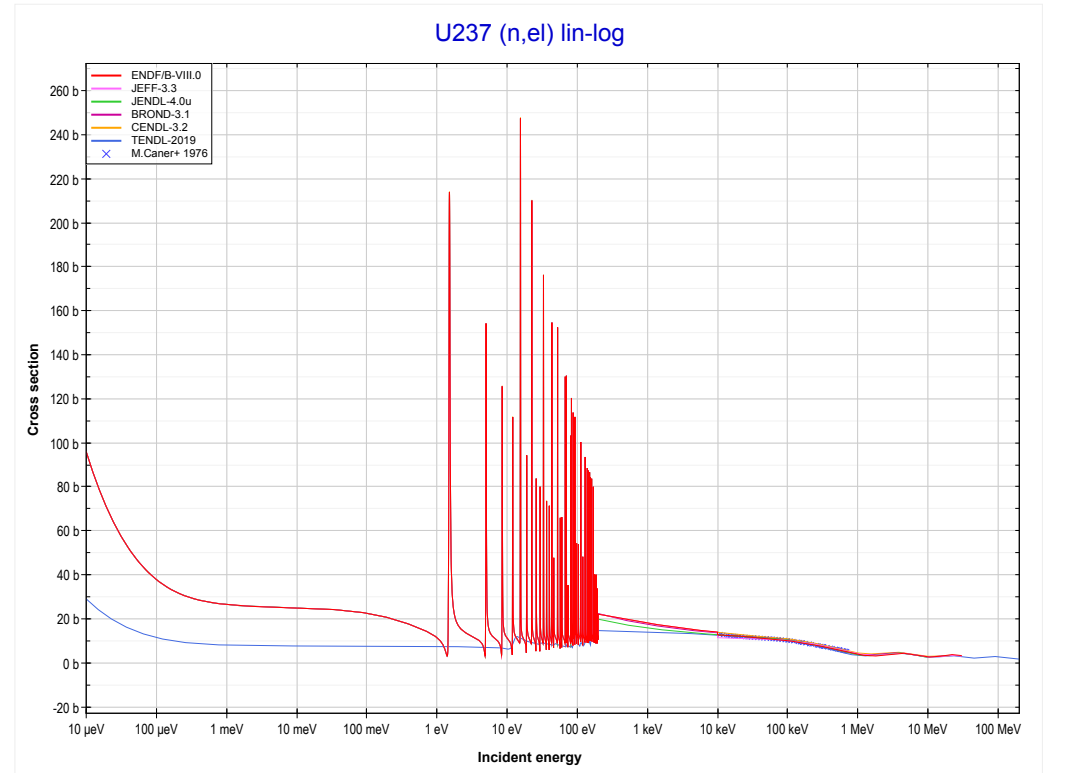
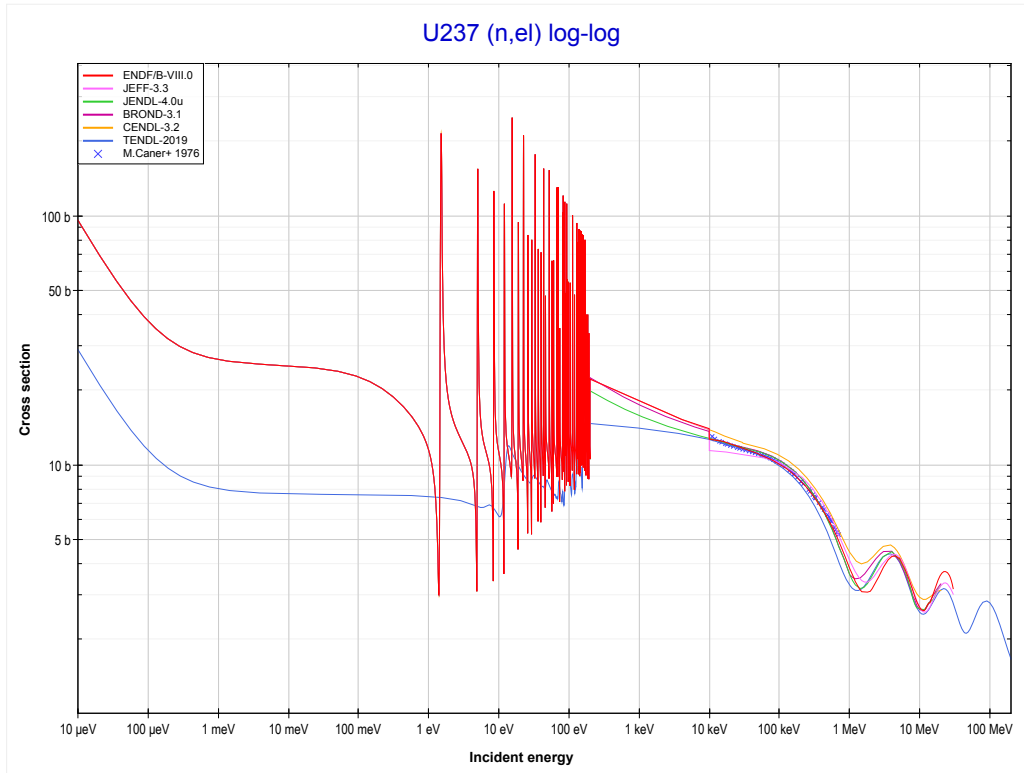
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 5.29549 b | 5.29167 b | 5.3011 b | 1.00181 | 345.065 b | 0.109482 b | 0.00128669 b |
| ENDF/B-VIII.0 | 5.13332 b | 5.13332 b | 5.1473 b | 1.00273 | 341.203 b | 0.107862 b | 0.00228514 b |
| JEFF-3.3 | 5.29654 b | 5.29654 b | 5.3079 b | 1.00215 | 345.082 b | 0.0819139 b | 0.00114725 b |
| JENDL-4.0u | 5.12223 b | 5.12223 b | 5.1369 b | 1.00286 | 352.924 b | 0.10933 b | 8.48908E-4 b |
| BROND-3.1 | 5.12223 b | 5.12223 b | 5.1369 b | 1.00286 | 352.921 b | 0.109298 b | 8.4971E-4 b |
| CENDL-3.2 | 5.13219 b | 5.13219 b | 5.1442 b | 1.00235 | 341.13 b | 0.111331 b | 0.0061925 b |
| TENDL-2019 | 5.13219 b | 5.13219 b | 5.1442 b | 1.00235 | 341.232 b | 0.111773 b | 0.00120899 b |

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|----------------------------------|----------------------|--------------------|
| << 92-U-236 | 92-U-237 | 92-U-238 >> |
| << 92-U-236 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



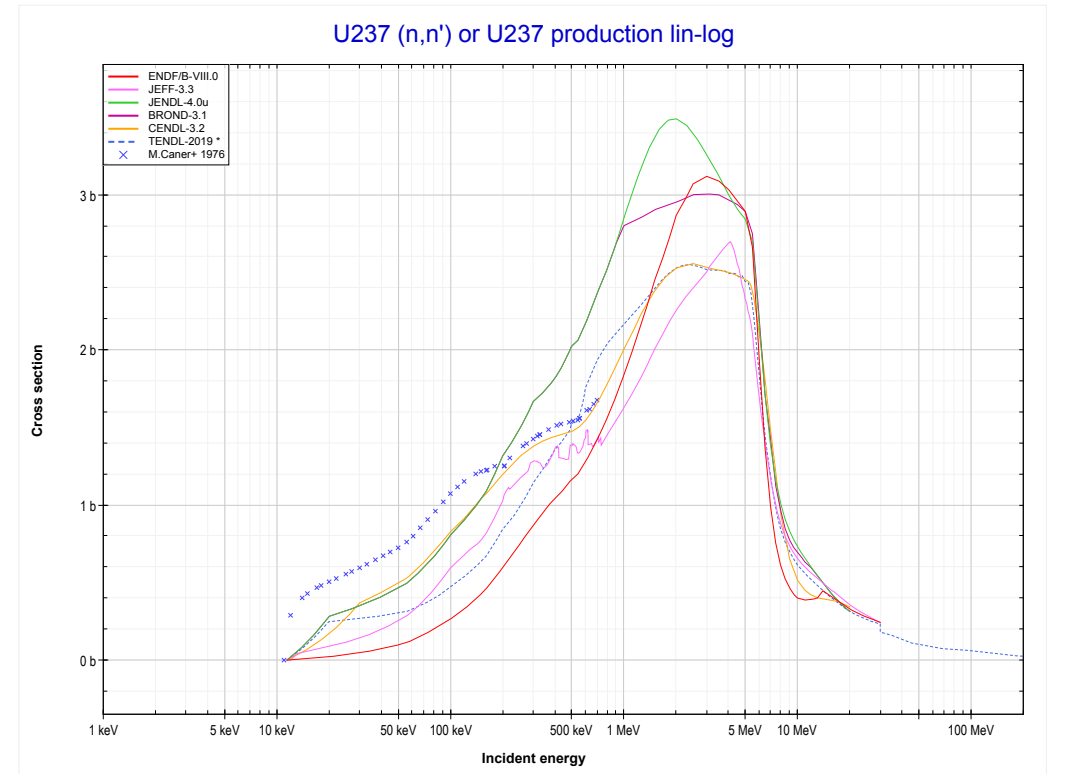
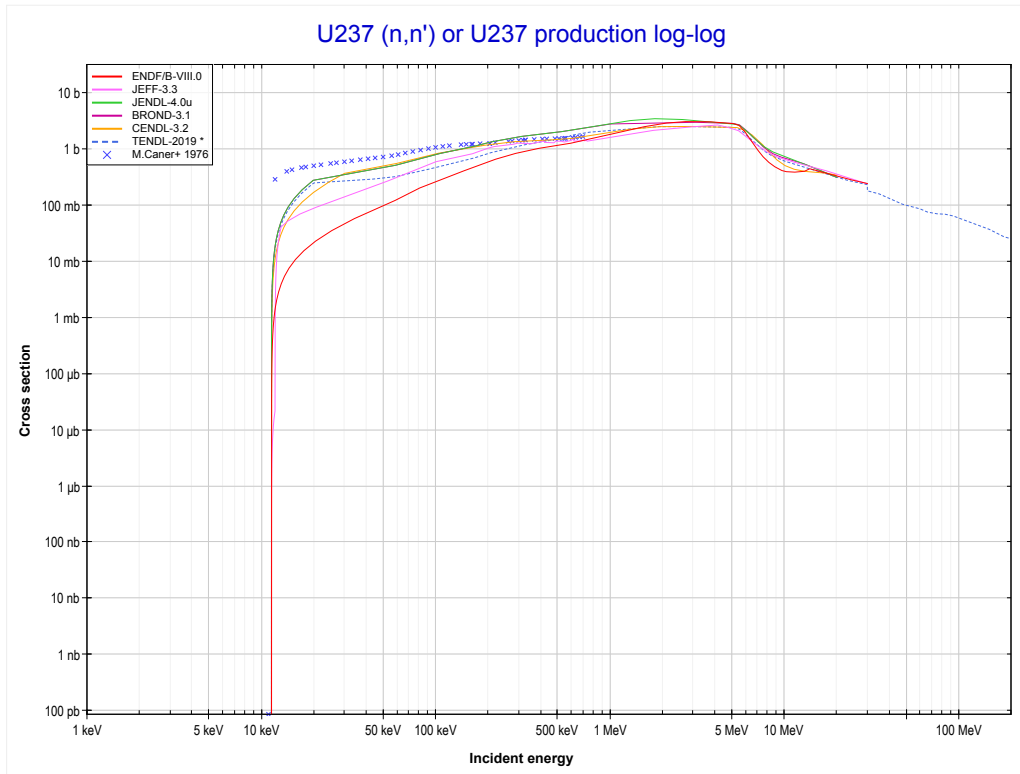
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 478.438 b | 478.438 b | 470.27 b | 0.98293 | 1327.5 b | 7.30964 b | 5.79325 b |
| JEFF-3.3 | 478.438 b | 478.438 b | 470.27 b | 0.98293 | 1329.86 b | 7.82788 b | 5.7061 b |
| JENDL-4.0u | 478.438 b | 478.438 b | 470.27 b | 0.98293 | 1314.78 b | 7.97324 b | 5.89296 b |
| BROND-3.1 | 478.438 b | 478.438 b | 470.27 b | 0.98293 | 1314.81 b | 7.97337 b | 5.89885 b |
| CENDL-3.2 | 478.351 b | 478.351 b | 470.01 b | 0.98257 | 1330.46 b | 7.8582 b | 6.00429 b |
| TENDL-2019 | 448.705 b | 448.705 b | 450.27 b | 1.00349 | 685.188 b | 7.82717 b | 5.88587 b |

| | | |
|------------------|------------------------|---------------|
| << 92-U-236 | 92-U-237 | 92-U-238 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



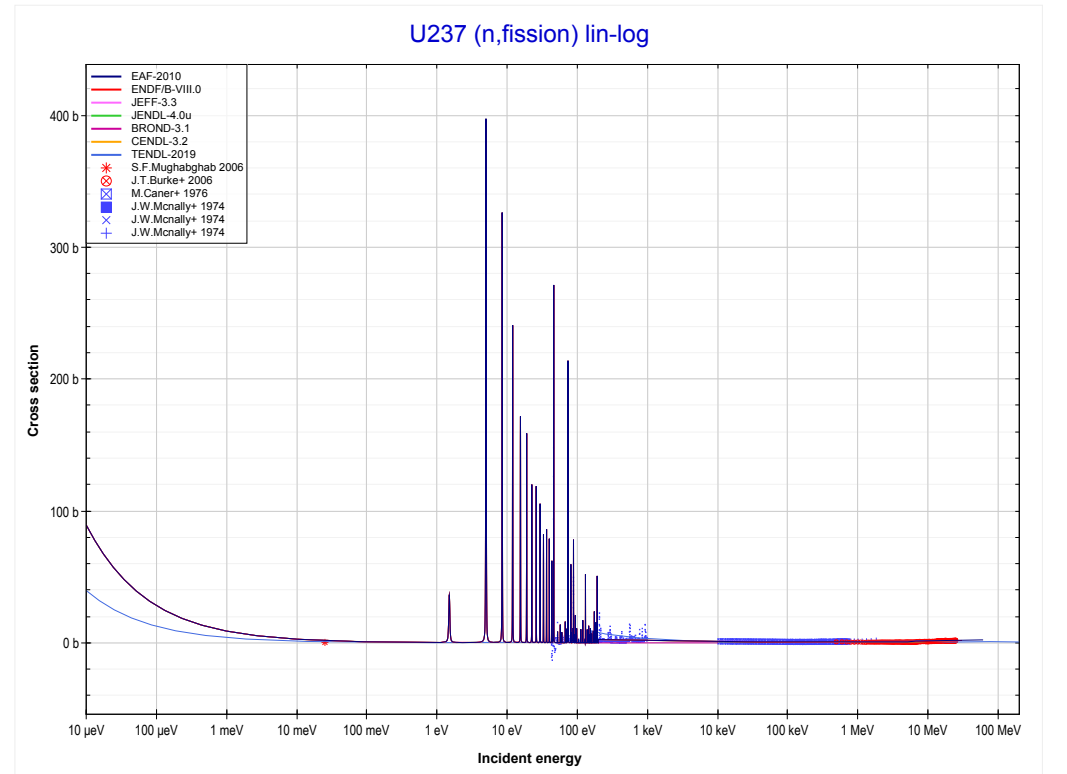
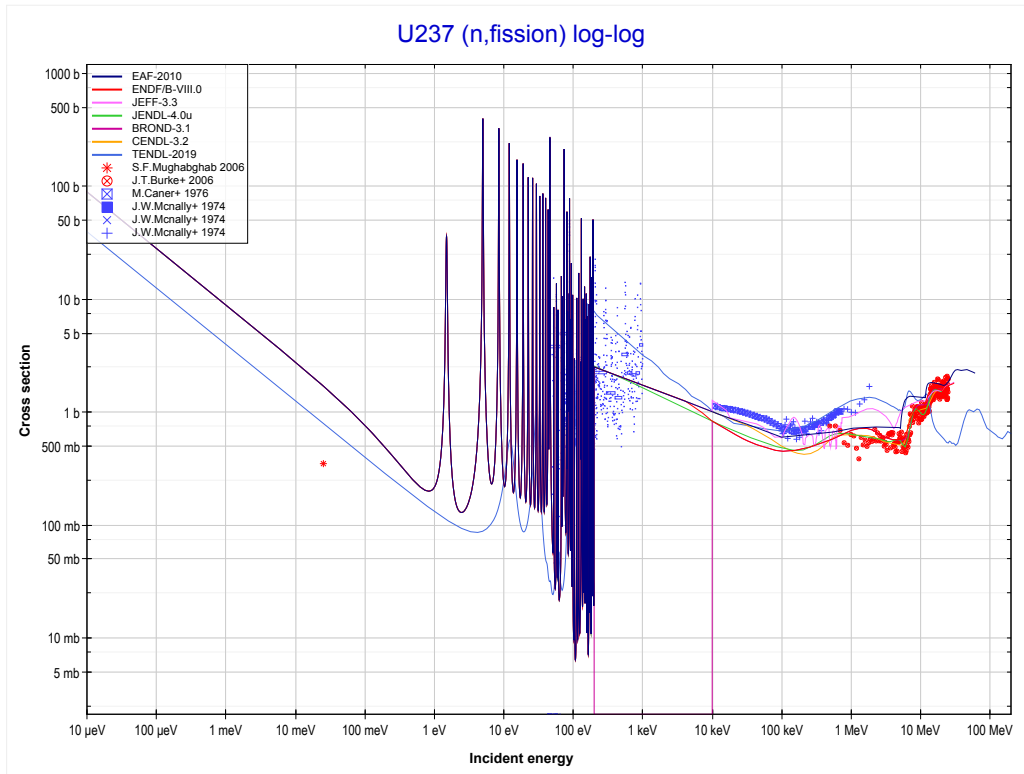
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 24.4355 b | 24.4355 b | 26.86 b | 1.09923 | 201.38 b | 4.36501 b | 2.78444 b |
| JEFF-3.3 | 24.4355 b | 24.4355 b | 26.86 b | 1.09923 | 199.925 b | 4.61364 b | 2.68572 b |
| JENDL-4.0u | 24.4355 b | 24.4355 b | 26.86 b | 1.09923 | 193.853 b | 4.4701 b | 2.81374 b |
| BROND-3.1 | 24.4355 b | 24.4355 b | 26.86 b | 1.09923 | 200.084 b | 4.63155 b | 2.82327 b |
| CENDL-3.2 | 24.4355 b | 24.4355 b | 26.862 b | 1.0993 | 203.048 b | 5.08128 b | 2.942 b |
| TENDL-2019 | 7.60551 b | 7.60551 b | 8.5788 b | 1.12797 | 129.831 b | 4.26382 b | 2.66614 b |

| | | |
|--------------------|--|---------------------|
| << 92-U-235 | 92-U-237 | 92-U-238 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (U237 production) | MT18 (n,fission) >> |



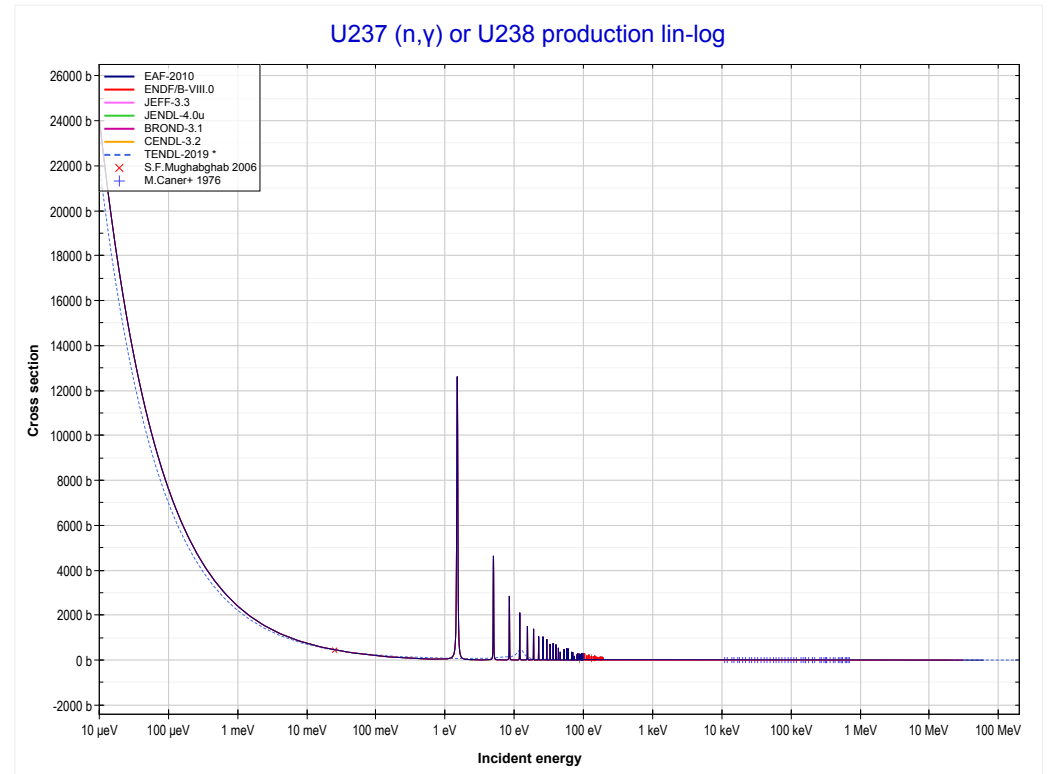
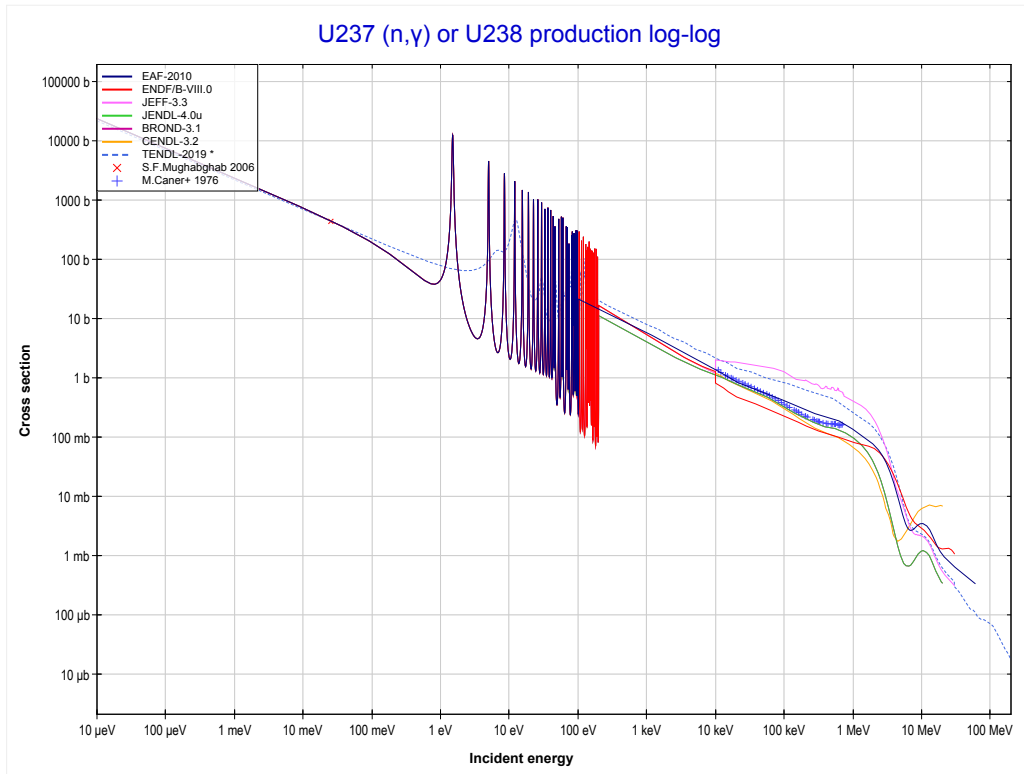
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.173023 b | 2.18451 b | 0.446667 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.450547 b | 1.90389 b | 0.497802 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.828037 b | 2.79409 b | 0.498383 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.828037 b | 2.5919 b | 0.4987 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.814356 b | 2.10793 b | 0.39304 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.569586 b | 2.11887 b | 0.447686 b |

| | | |
|---------------|-------------------------|-------------------------|
| << 92-U-236 | 92-U-237 | 92-U-238 >> |
| << MT4 (n,n') | MT18 (n,fission) | MT102 (n, γ) >> |



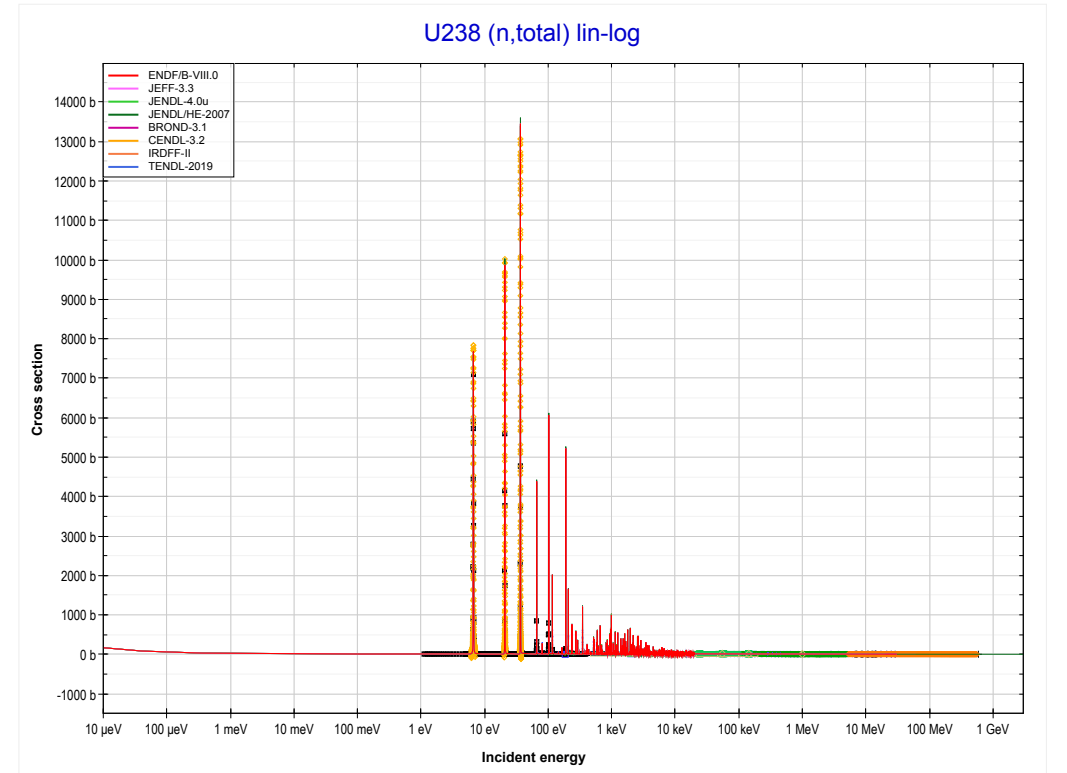
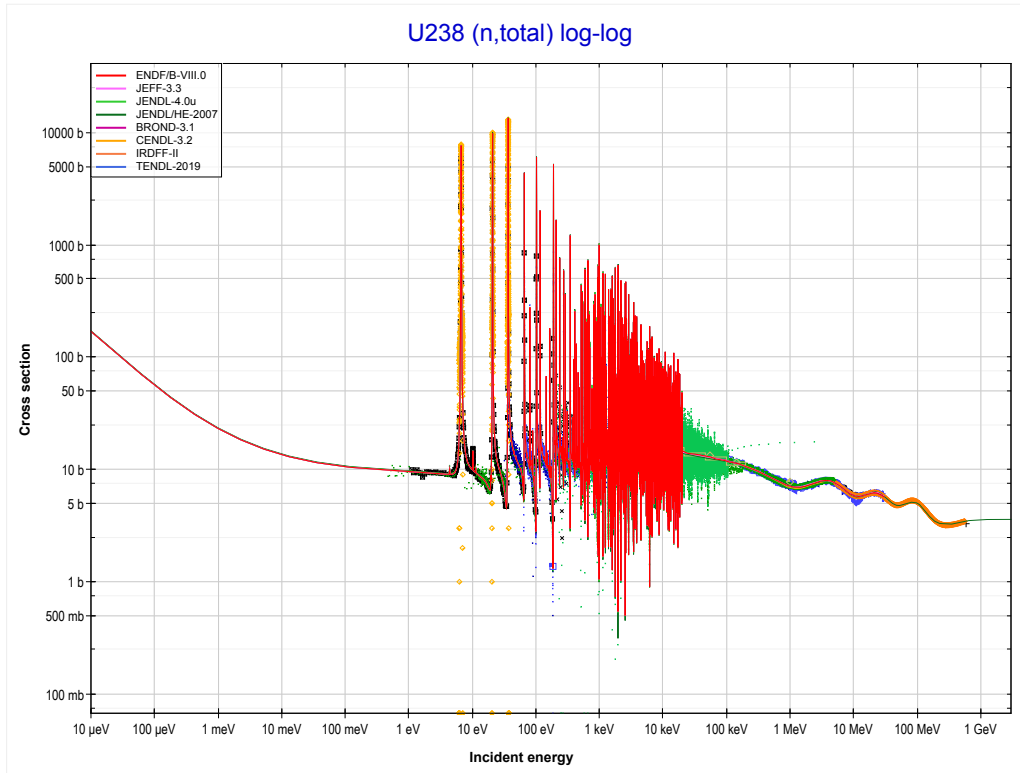
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.70384 b | 1.70246 b | 1.6725 b | 0.98237 | 43.8983 b | 0.741307 b | 1.8325 b |
| ENDF/B-VIII.0 | 1.70227 b | 1.70227 b | 1.6736 b | 0.98314 | 43.3734 b | 0.639027 b | 1.59271 b |
| JEFF-3.3 | 1.70227 b | 1.70227 b | 1.6736 b | 0.98314 | 44.0506 b | 0.906078 b | 1.44719 b |
| JENDL-4.0u | 1.70227 b | 1.70227 b | 1.6736 b | 0.98314 | 43.1393 b | 0.595336 b | 1.399 b |
| BROND-3.1 | 1.70227 b | 1.70227 b | 1.6736 b | 0.98314 | 36.96 b | 0.637072 b | 1.4227 b |
| CENDL-3.2 | 1.70195 b | 1.70195 b | 1.6726 b | 0.98276 | 43.8203 b | 0.587193 b | 1.2915 b |
| TENDL-2019 | 0.789367 b | 0.789367 b | 0.78987 b | 1.00064 | 17.4329 b | 1.18702 b | 1.01912 b |

| | | |
|---------------------|---|---------------------------|
| << 92-U-236 | 92-U-237 | 92-U-238 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U238 production) | 92-U-238 MT1 (n,total) >> |



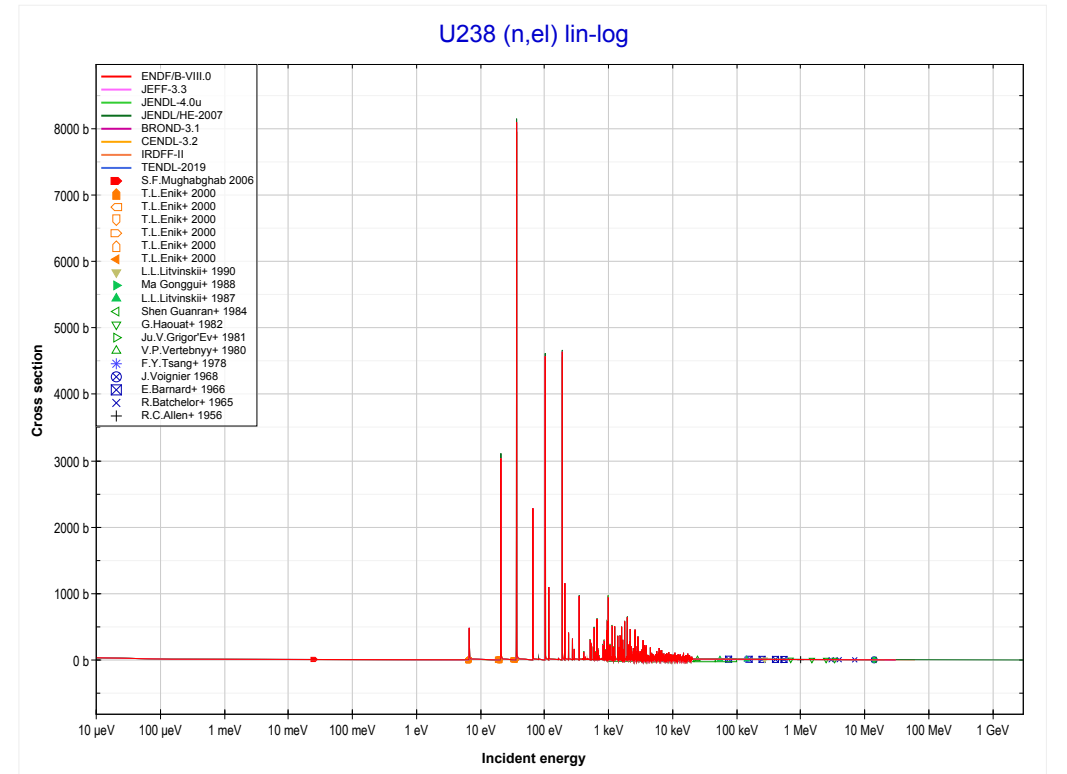
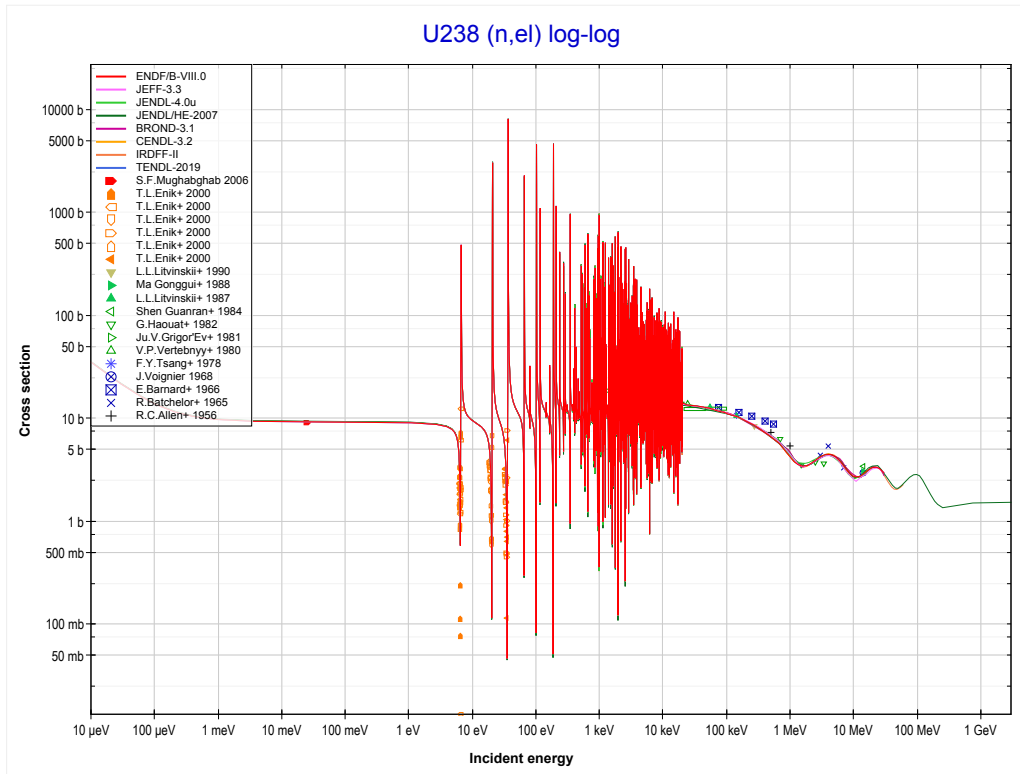
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 452.726 b | 452.349 b | 441.45 b | 0.97583 | 1086.04 b | 0.113675 b | 0.00235929 b |
| ENDF/B-VIII.0 | 452.3 b | 452.3 b | 441.74 b | 0.97664 | 1082.57 b | 0.0745961 b | 0.0018976 b |
| JEFF-3.3 | 452.3 b | 452.3 b | 441.74 b | 0.97664 | 1085.44 b | 0.330605 b | 0.00131518 b |
| JENDL-4.0u | 452.3 b | 452.3 b | 441.74 b | 0.97664 | 1076.96 b | 0.0753678 b | 8.23137E-4 b |
| BROND-3.1 | 452.3 b | 452.3 b | 441.74 b | 0.97664 | 1076.94 b | 0.075311 b | 8.23137E-4 b |
| CENDL-3.2 | 452.214 b | 452.214 b | 441.48 b | 0.97626 | 1082.76 b | 0.0580608 b | 0.0070356 b |
| TENDL-2019 | 440.31 b | 440.31 b | 440.9 b | 1.00134 | 537.5 b | 0.229228 b | 0.00142537 b |

| | | |
|----------------------------------|----------------------|--------------------|
| << 92-U-237 | 92-U-238 | 93-Np-237 >> |
| << 92-U-237 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



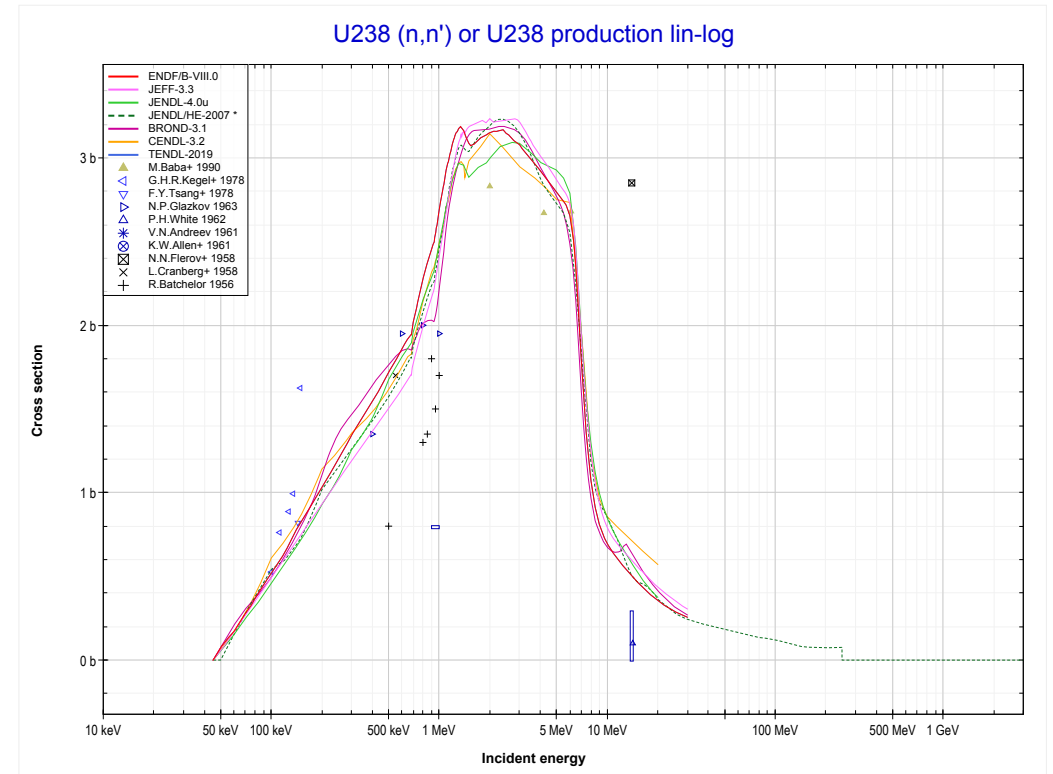
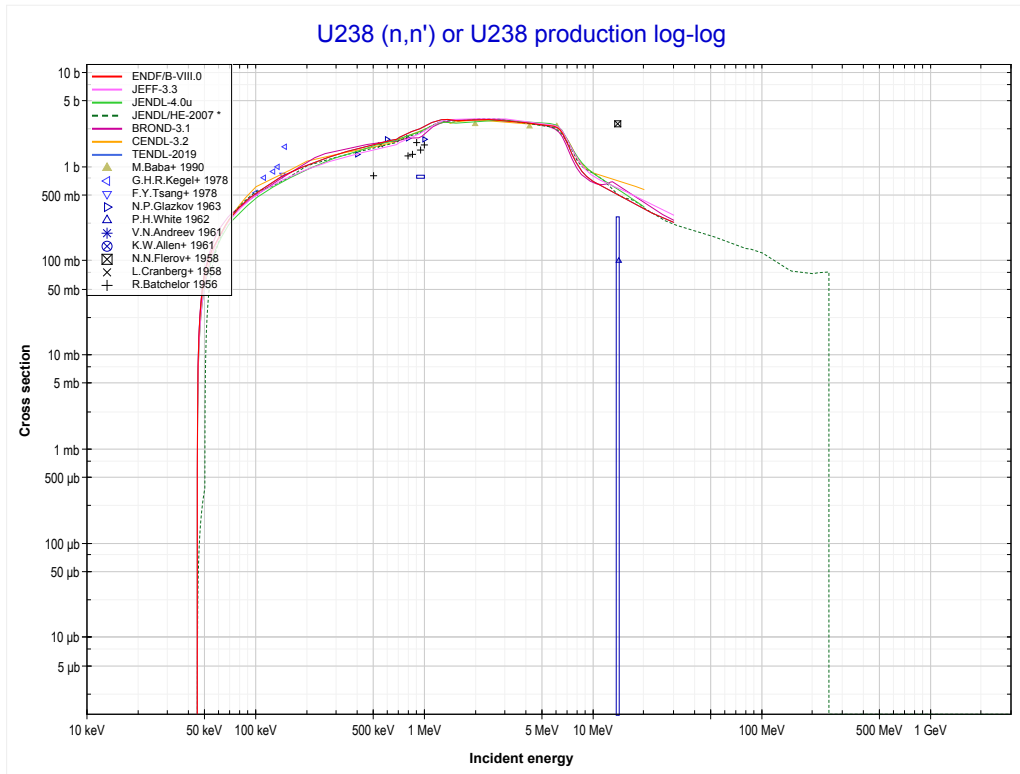
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.9229 b | 11.9229 b | 13.11 b | 1.09959 | 593.124 b | 7.79239 b | 5.86719 b |
| JEFF-3.3 | 11.9229 b | 11.9229 b | 13.11 b | 1.09959 | 593.071 b | 7.82553 b | 5.8562 b |
| JENDL-4.0u | 11.9828 b | 11.9828 b | 13.179 b | 1.09982 | 591.594 b | 7.77389 b | 5.88349 b |
| JENDL/HE-2007 | 12.0973 b | 12.0973 b | 13.304 b | 1.09974 | 596.21 b | 7.80395 b | 5.7999 b |
| BROND-3.1 | 11.9828 b | 11.9828 b | 13.179 b | 1.09982 | 591.581 b | 7.78417 b | 5.85825 b |
| CENDL-3.2 | 11.9822 b | 11.9822 b | 13.178 b | 1.0998 | 591.599 b | 7.70636 b | 5.8602 b |
| IRDFF-II | 11.9228 b | 11.9228 b | 13.113 b | 1.09984 | 593.177 b | 7.79257 b | 5.86719 b |
| TENDL-2019 | 11.9224 b | 11.9224 b | 13.109 b | 1.09956 | 593.174 b | 7.79257 b | 5.86719 b |

| | | |
|------------------|------------------------|---------------|
| << 92-U-237 | 92-U-238 | 93-Np-237 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



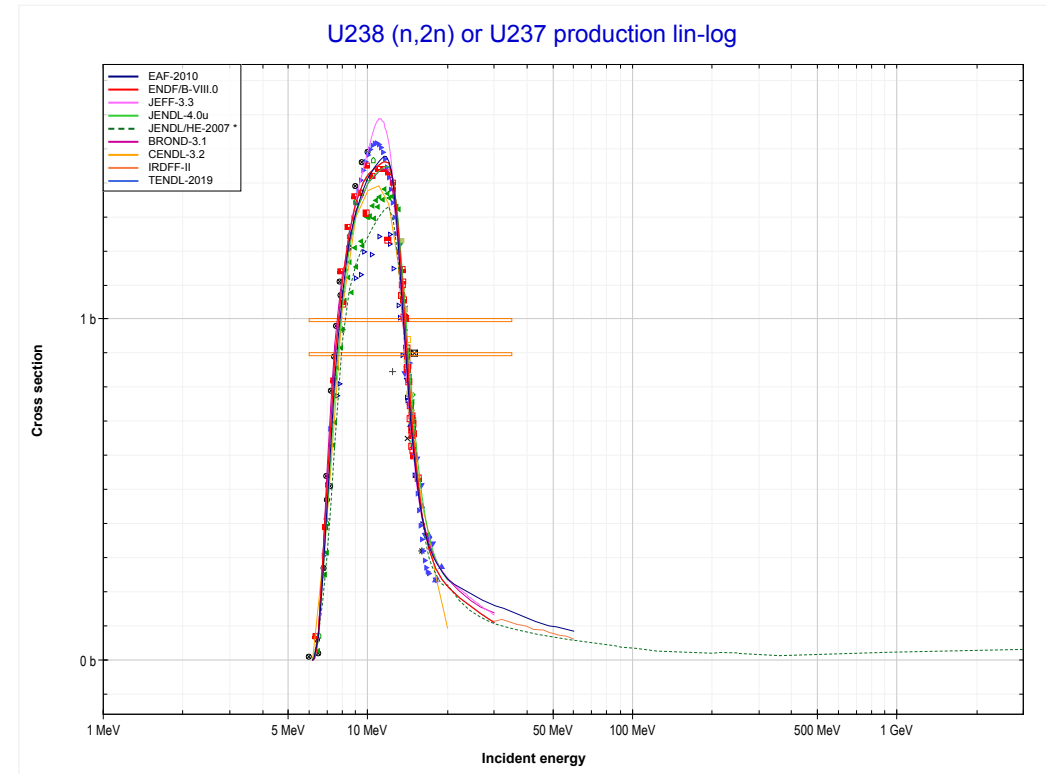
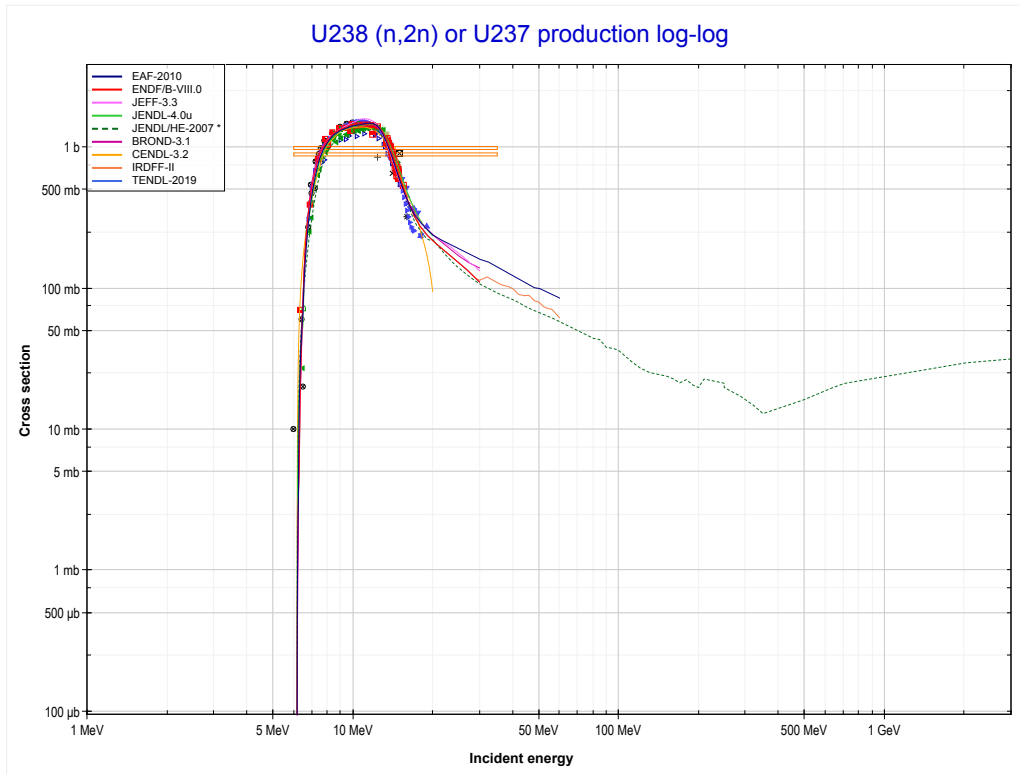
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.23971 b | 9.23971 b | 10.422 b | 1.12795 | 318.322 b | 4.80119 b | 2.85793 b |
| JEFF-3.3 | 9.23971 b | 9.23971 b | 10.422 b | 1.12795 | 318.299 b | 4.85094 b | 2.73615 b |
| JENDL-4.0u | 9.29941 b | 9.29941 b | 10.489 b | 1.12795 | 316.229 b | 4.86918 b | 2.78861 b |
| JENDL/HE-2007 | 9.38026 b | 9.38026 b | 10.581 b | 1.12801 | 318.318 b | 4.87228 b | 2.88965 b |
| BROND-3.1 | 9.29941 b | 9.29941 b | 10.489 b | 1.12795 | 316.177 b | 4.84568 b | 2.78896 b |
| CENDL-3.2 | 9.2994 b | 9.2994 b | 10.49 b | 1.12802 | 316.153 b | 4.81024 b | 2.7859 b |
| IRDFF-II | 9.2994 b | 9.2994 b | 10.492 b | 1.12828 | 316.131 b | 4.84614 b | 2.78896 b |
| TENDL-2019 | 9.23971 b | 9.23971 b | 10.423 b | 1.12801 | 318.32 b | 4.80197 b | 2.85793 b |

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|--------------------|--|----------------|
| << 92-U-237 | 92-U-238 | 94-Pu-239 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (U238 production) | MT16 (n,2n) >> |



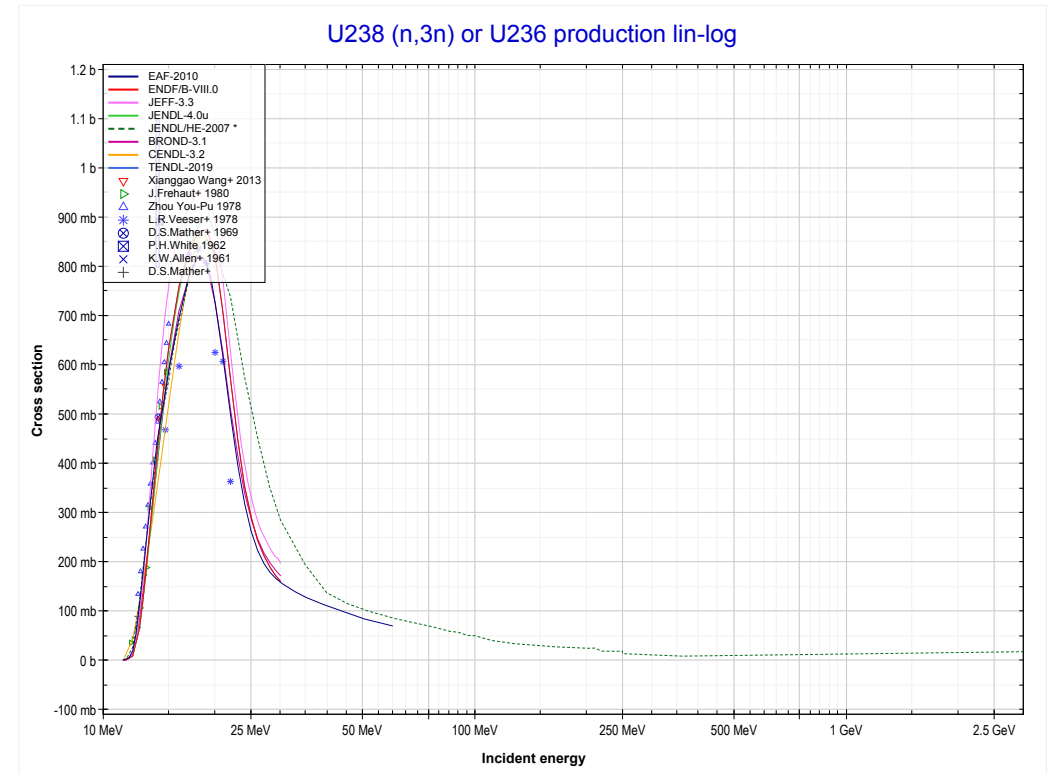
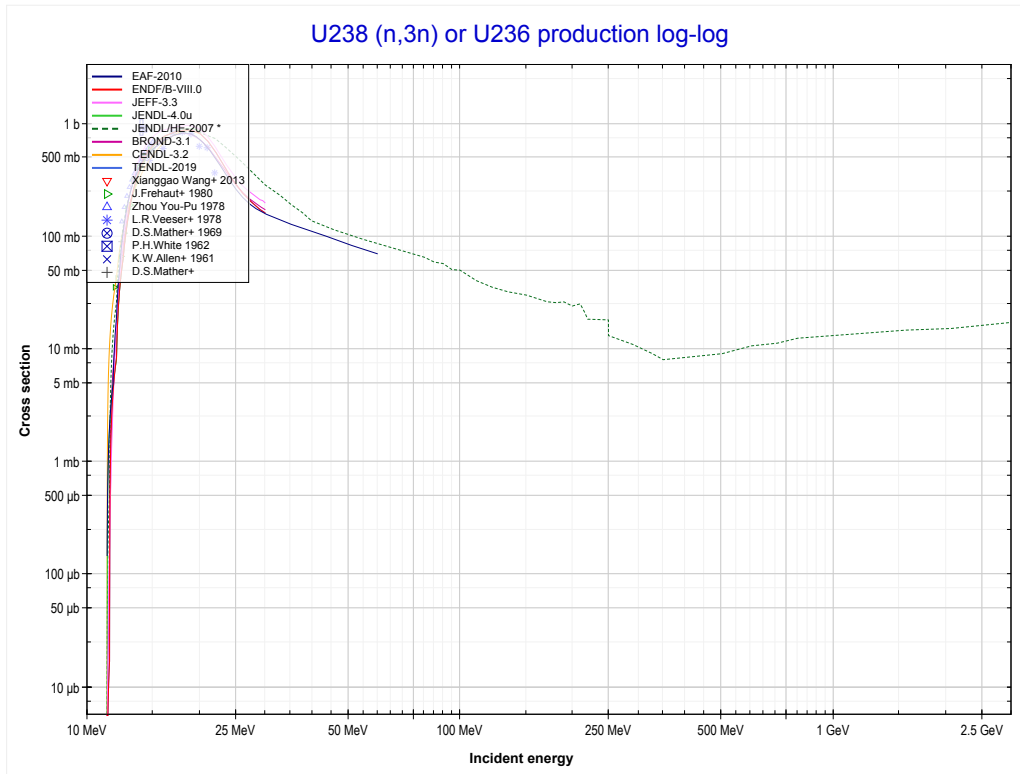
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.202852 b | 2.59622 b | 0.502726 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.192018 b | 2.56227 b | 0.597299 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.176488 b | 2.51446 b | 0.578106 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.19403 b | 2.54172 b | 0.503288 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.209944 b | 2.54632 b | 0.638193 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.21365 b | 2.50674 b | 0.712768 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.202852 b | 2.59622 b | 0.502726 b |

| | | |
|---------------|---|----------------|
| << 92-U-235 | 92-U-238 | 93-Np-237 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (U237 production) | MT17 (n,3n) >> |



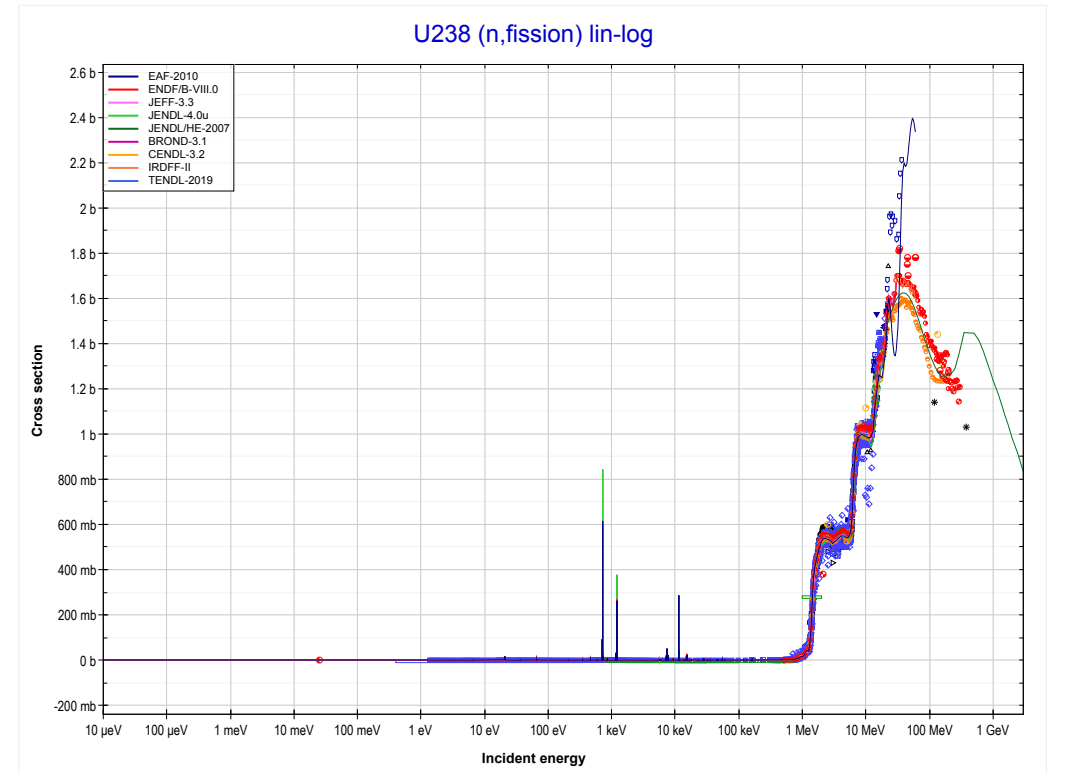
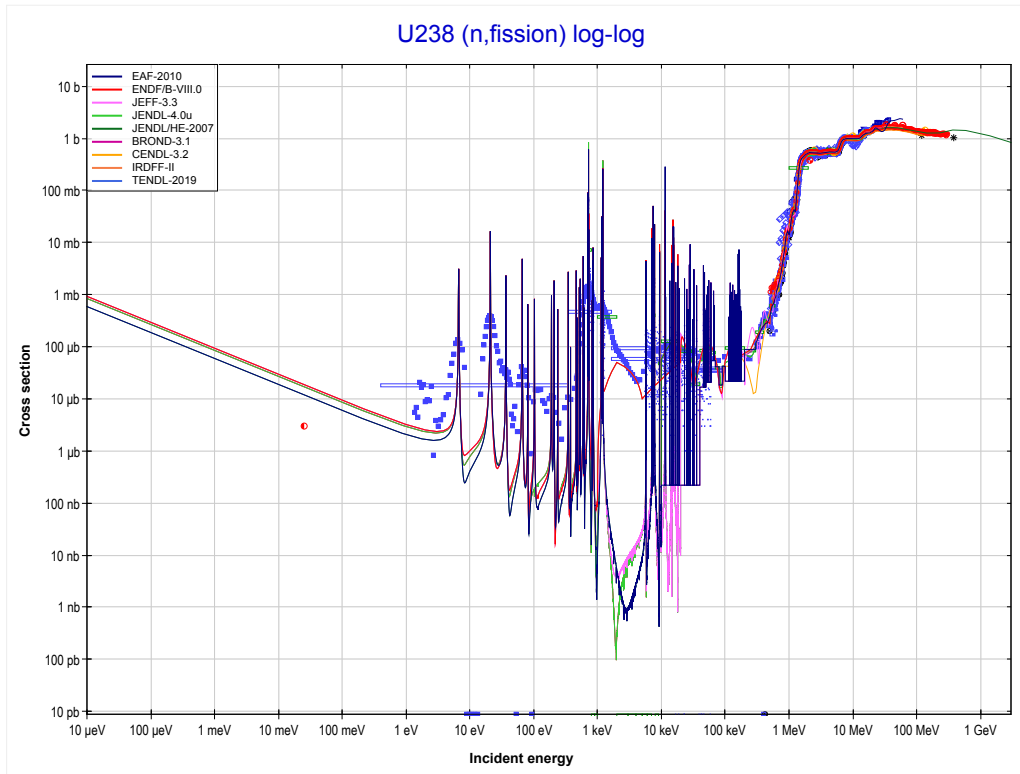
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0176322 b | 0.87059 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0184842 b | 0.922845 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.018435 b | 0.839016 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0171789 b | 0.974399 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0147755 b | 0.85 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.018706 b | 0.880885 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0172522 b | 0.89807 b |
| IRDFF-II | 0 b | 0 b | 0 b | 0 | 0 b | 0.0184842 b | 0.922845 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0184842 b | 0.922845 b |

| | | |
|----------------|---|---------------------|
| << 92-U-235 | 92-U-238 | 94-Pu-239 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (U236 production) | MT18 (n,fission) >> |



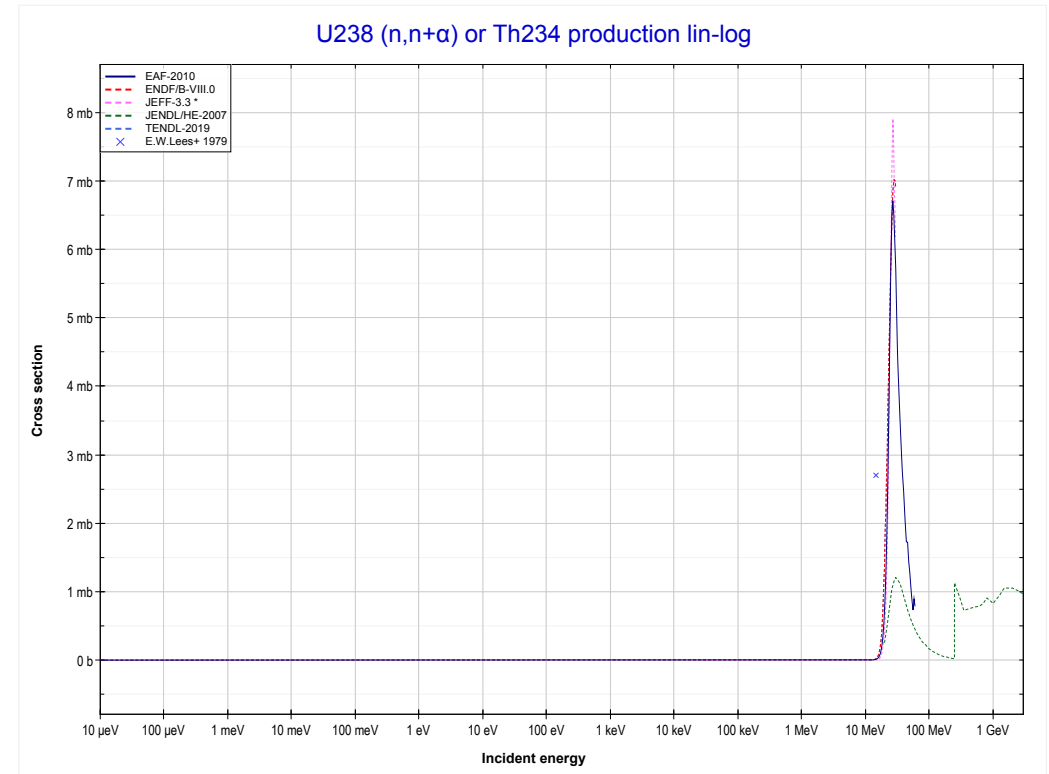
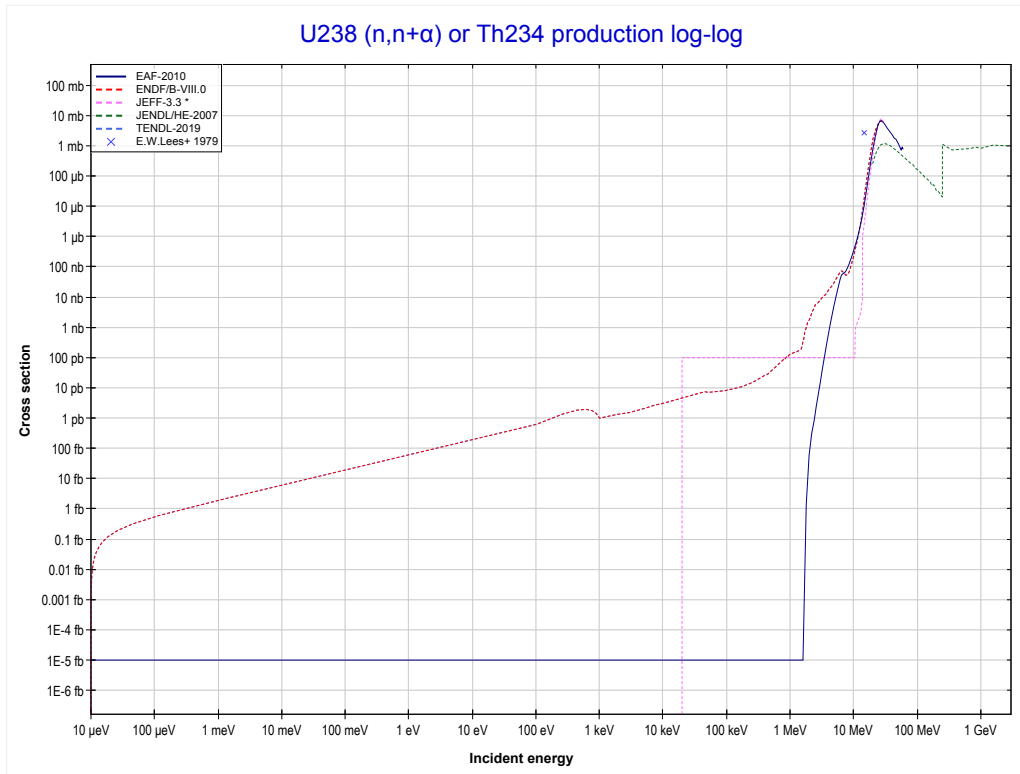
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 1.37391E-4 b | 0.44965 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26967E-4 b | 0.43176 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 1.55612E-4 b | 0.537372 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 1.2364E-4 b | 0.405796 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.39396E-4 b | 0.42977 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.24879E-4 b | 0.405953 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.28732E-4 b | 0.3555 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.26967E-4 b | 0.43176 b |

| | | |
|----------------|-------------------------|-----------------|
| << 92-U-237 | 92-U-238 | 92-U-239 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT22 (n,n+α) >> |



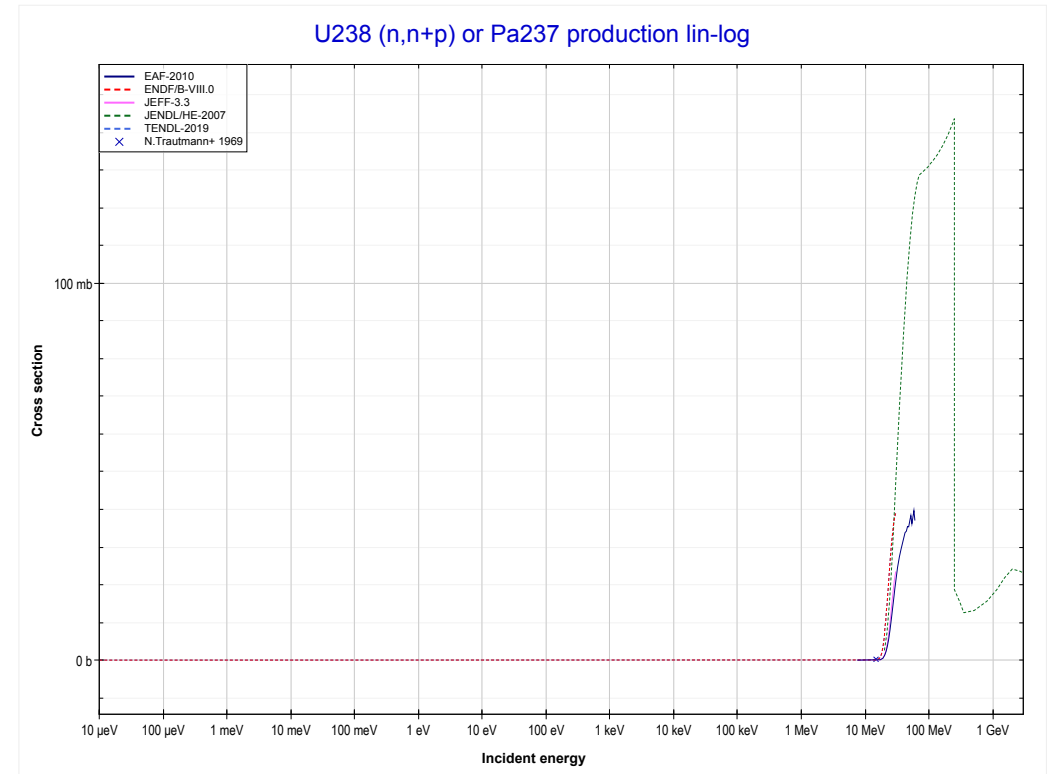
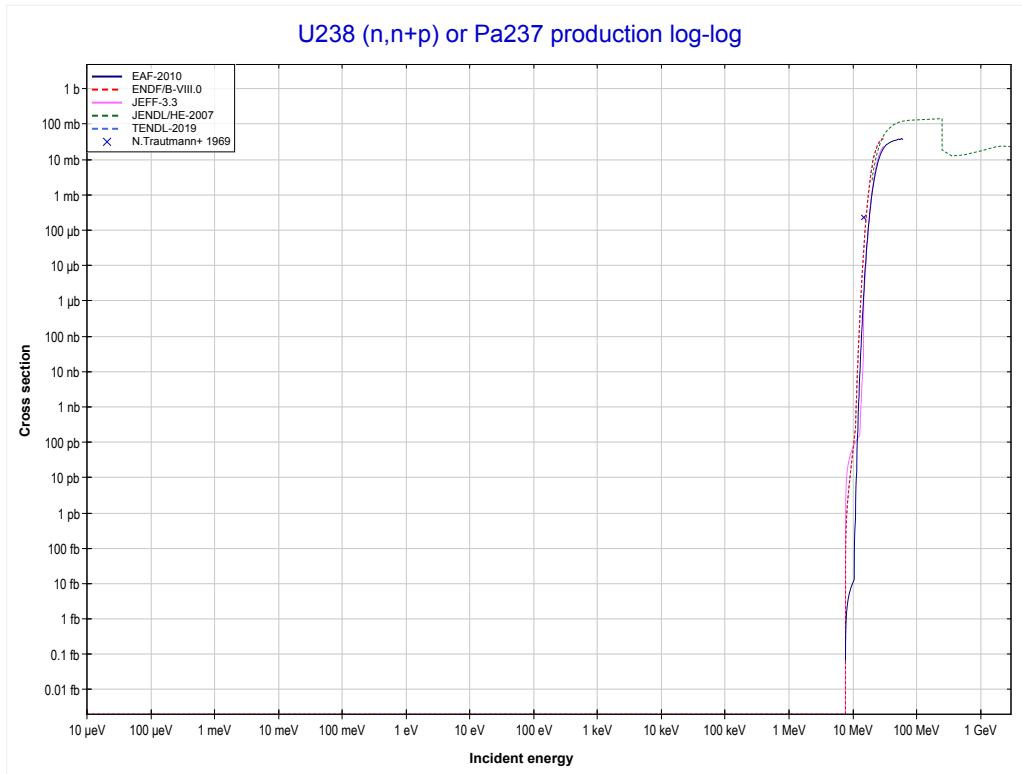
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.17845E-5 b | 1.17758E-5 b | 1.1788E-5 b | 1.001 | 0.00215849 b | 0.299832 b | 1.13 b |
| ENDF/B-VIII.0 | 1.85134E-5 b | 1.85134E-5 b | 1.8542E-5 b | 1.00152 | 0.00202058 b | 0.305967 b | 1.1506 b |
| JEFF-3.3 | 1.85134E-5 b | 1.85134E-5 b | 1.8542E-5 b | 1.00152 | 0.00194132 b | 0.302021 b | 1.14338 b |
| JENDL-4.0u | 1.6799E-5 b | 1.6799E-5 b | 1.6825E-5 b | 1.00157 | 0.00234923 b | 0.301656 b | 1.13599 b |
| JENDL/HE-2007 | 1.17736E-5 b | 1.17736E-5 b | 1.1788E-5 b | 1.00119 | 0.00189537 b | 0.303737 b | 1.1266 b |
| BROND-3.1 | 1.6799E-5 b | 1.6799E-5 b | 1.6825E-5 b | 1.00157 | 0.00233982 b | 0.302771 b | 1.14338 b |
| CENDL-3.2 | 1.67952E-5 b | 1.67952E-5 b | 1.6815E-5 b | 1.0012 | 0.00242105 b | 0.300726 b | 1.1067 b |
| IRDFF-II | 1.85124E-5 b | 1.85124E-5 b | 1.8538E-5 b | 1.00137 | 0.00202063 b | 0.305945 b | 1.1506 b |
| TENDL-2019 | 1.85094E-5 b | 1.85094E-5 b | 1.853E-5 b | 1.00114 | 0.00202063 b | 0.305945 b | 1.1506 b |

| | | |
|---------------------|---|-----------------|
| << 81-Tl-203 | 92-U-238 | |
| << MT18 (n,fission) | MT22 (n,n+α) or MT5 (Th234 production) | MT28 (n,n+p) >> |



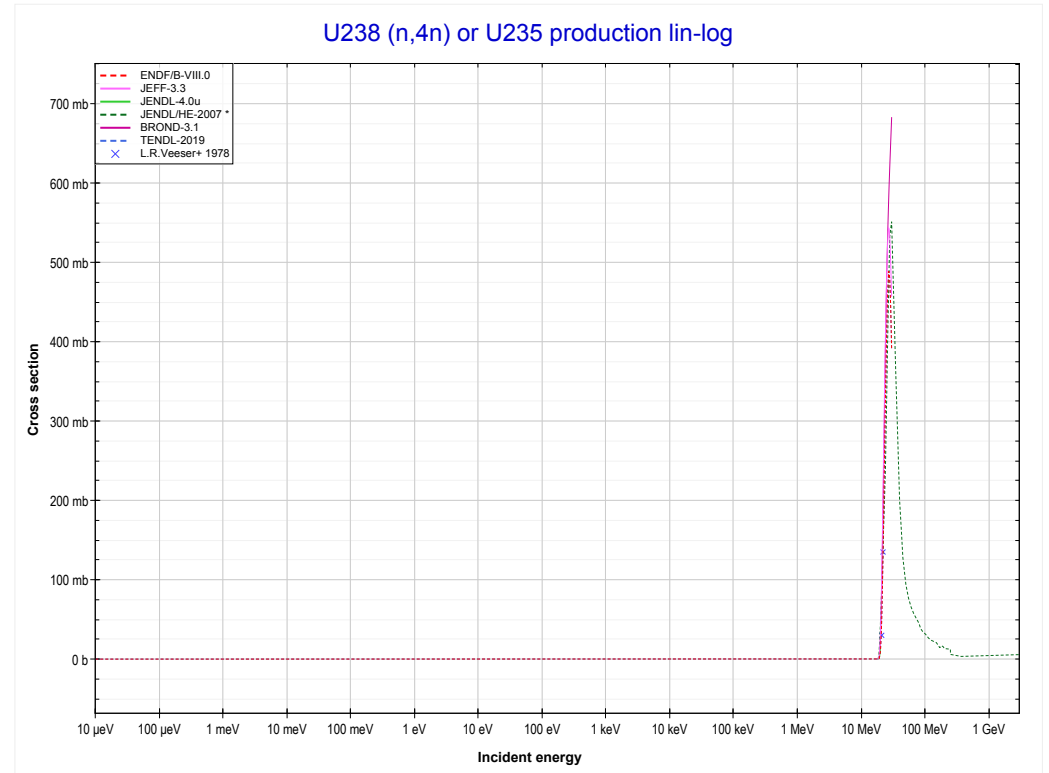
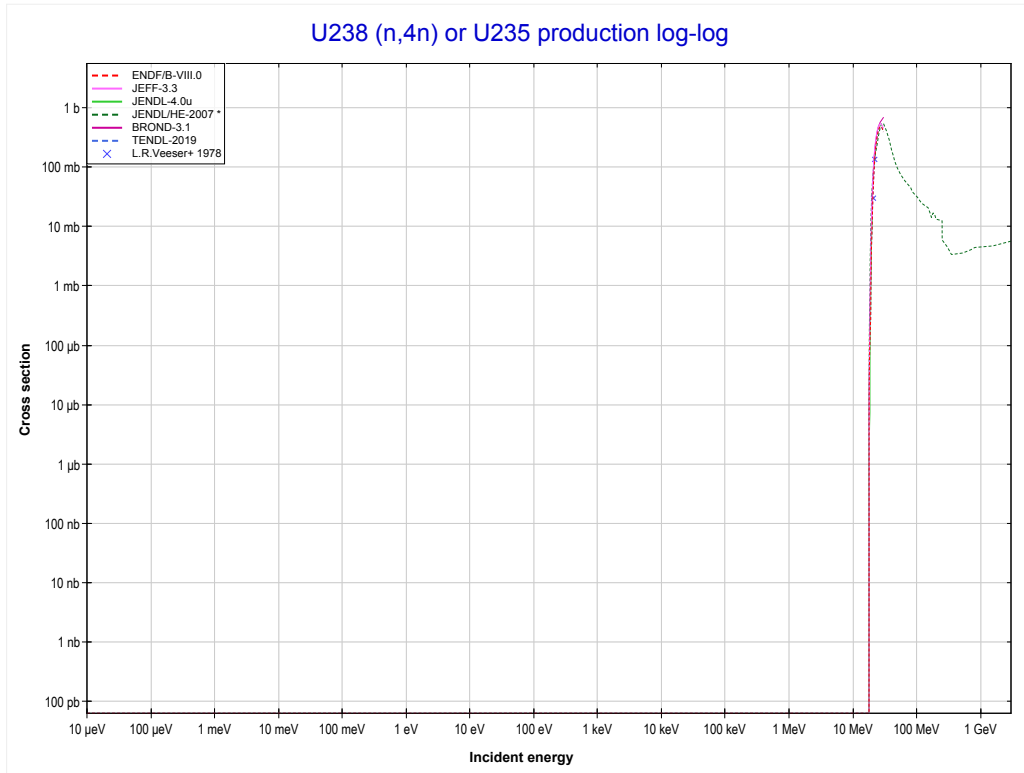
| Reaction | Q-Value |
|---------------------|---------------|
| U238(n,n+α)Th234 | 4269.88 keV |
| U238(n,d+t)Th234 | -13319.41 keV |
| U238(n,n+p+t)Th234 | -15543.98 keV |
| U238(n,2n+He3)Th234 | -16307.74 keV |
| U238(n,n+2d)Th234 | -19576.64 keV |
| U238(n,2n+p+d)Th234 | -21801.21 keV |
| U238(n,3n+2p)Th234 | -24025.78 keV |

| | | |
|-----------------|---|----------------|
| << 82-Pb-208 | 92-U-238 | |
| << MT22 (n,n+α) | MT28 (n,n+p) or MT5 (Pa237 production) | MT37 (n,4n) >> |



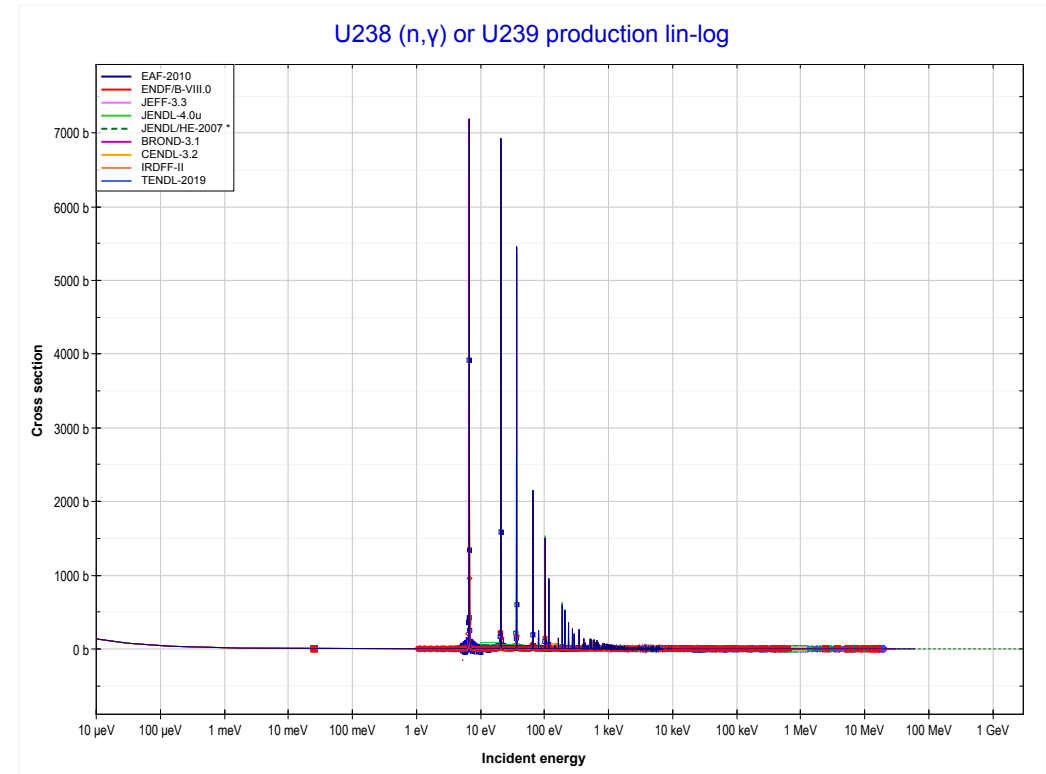
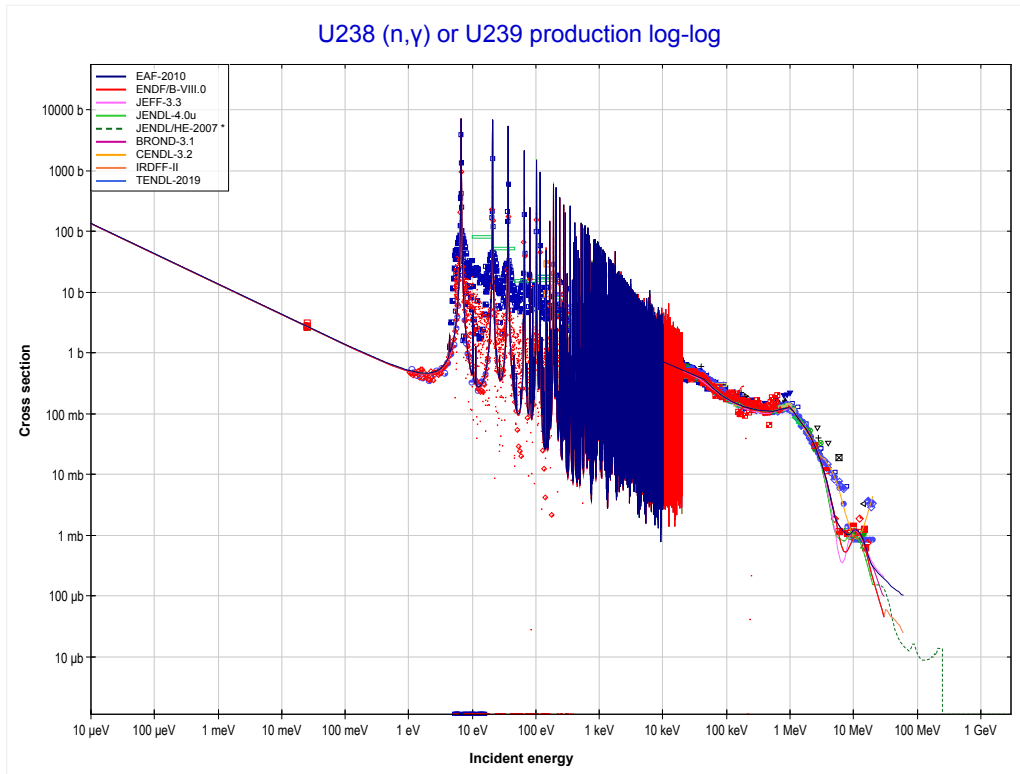
| Reaction | Q-Value |
|------------------|--------------|
| U238(n,d)Pa237 | -5284.60 keV |
| U238(n,n+p)Pa237 | -7509.17 keV |

| | | |
|-----------------|---|-------------------------|
| << 92-U-235 | 92-U-238 | |
| << MT28 (n,n+p) | MT37 (n,4n) or MT5 (U235 production) | MT102 (n, γ) >> |



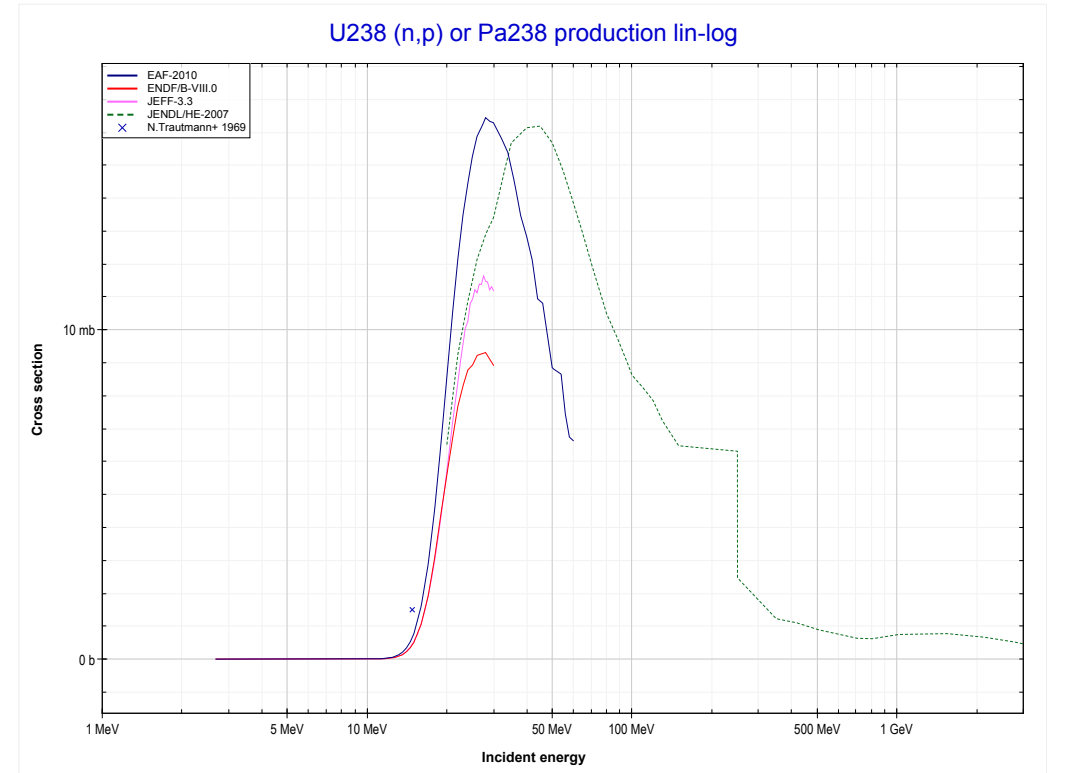
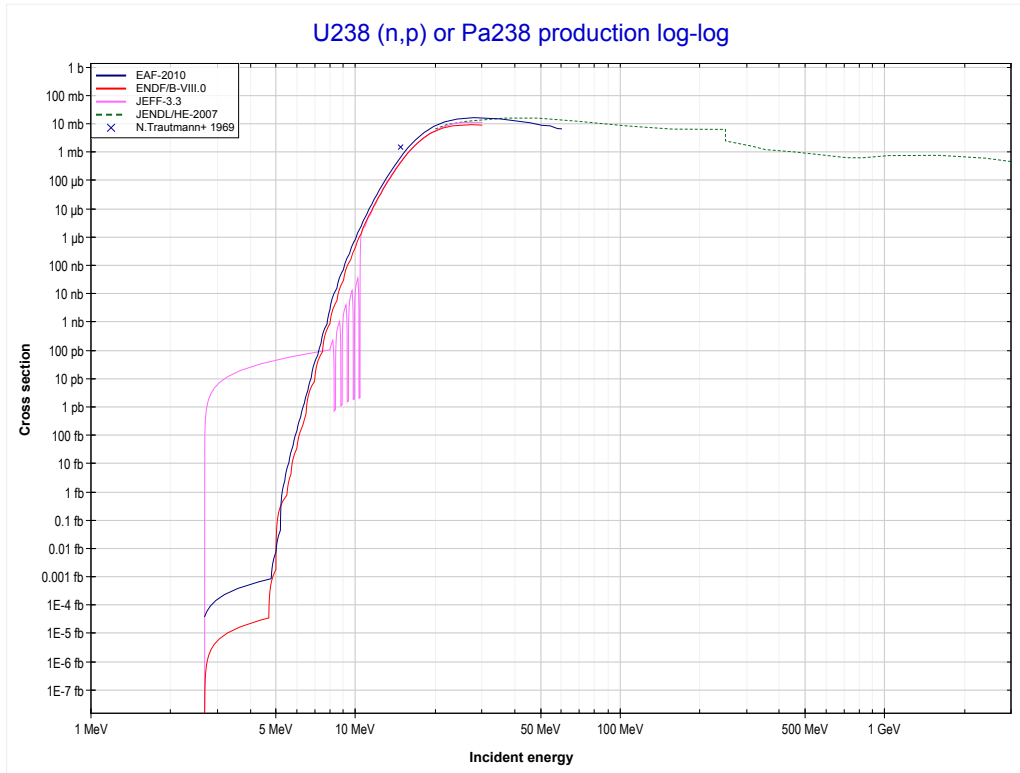
| | |
|----------------|---------------|
| Reaction | Q-Value |
| U238(n,4n)U235 | -17824.95 keV |

| | | |
|----------------|---|----------------|
| << 92-U-237 | 92-U-238 | 92-U-239 >> |
| << MT37 (n,4n) | MT102 (n,γ) or MT5 (U239 production) | MT103 (n,p) >> |



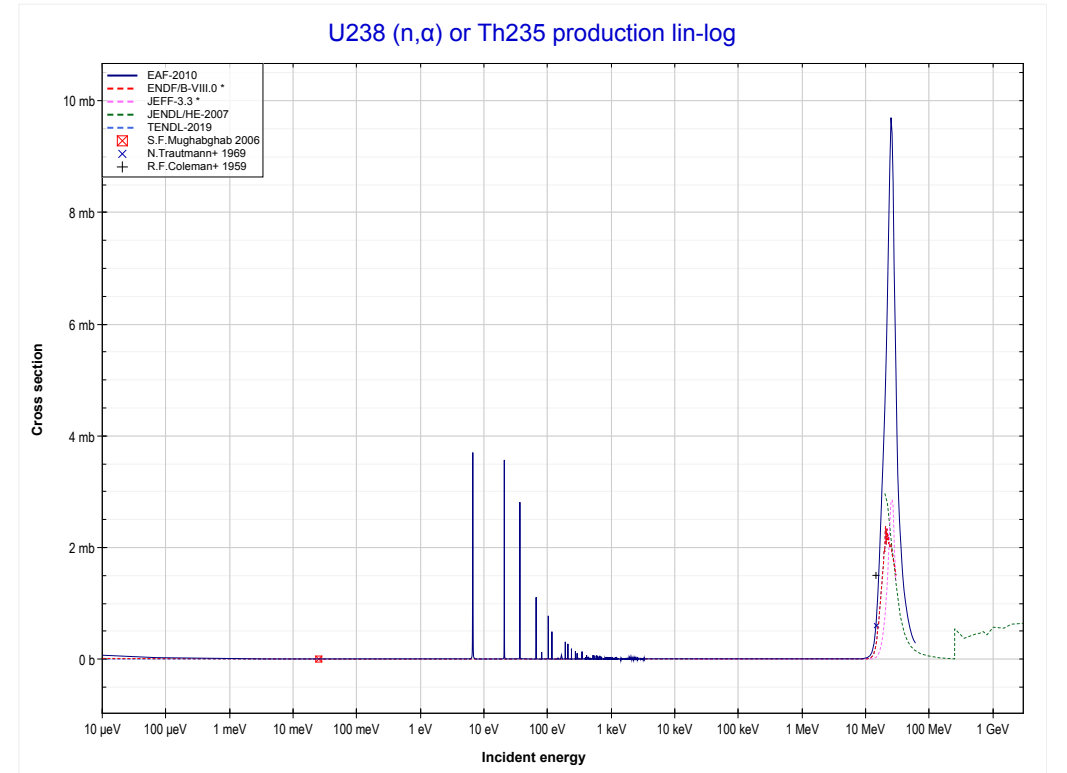
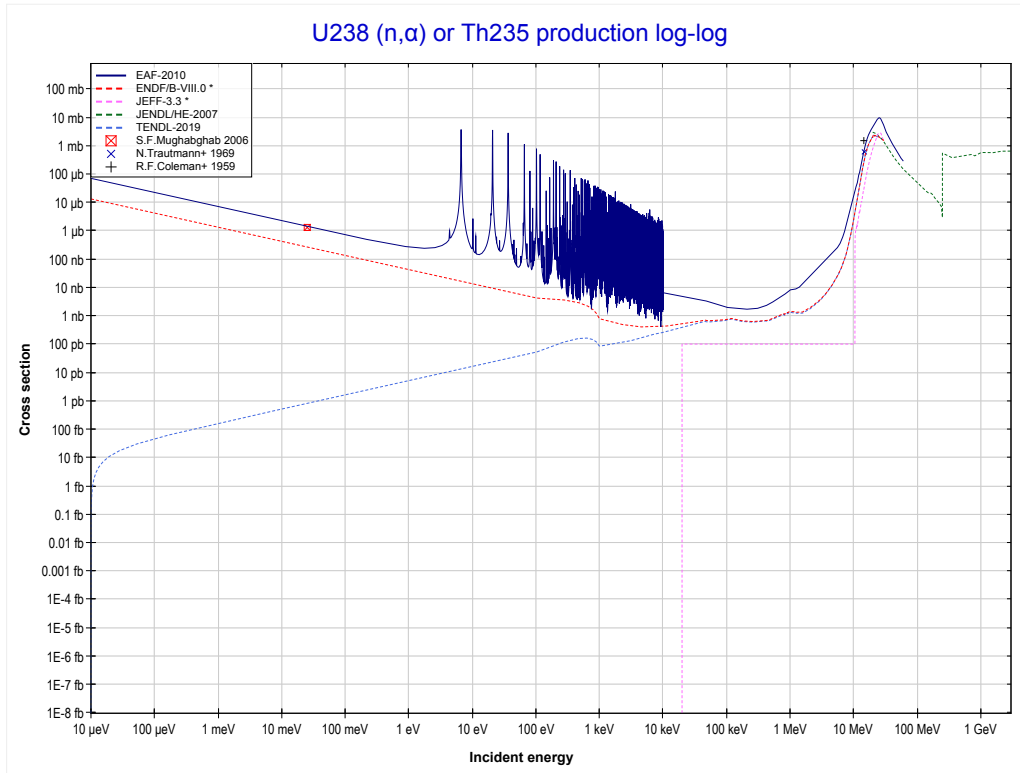
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.71962 b | 2.7176 b | 2.7228 b | 1.00192 | 277.692 b | 0.070191 b | 8.79999E-4 b |
| ENDF/B-VIII.0 | 2.6832 b | 2.6832 b | 2.6884 b | 1.00193 | 274.597 b | 0.0704045 b | 8.24448E-4 b |
| JEFF-3.3 | 2.6832 b | 2.6832 b | 2.6884 b | 1.00193 | 274.578 b | 0.0685689 b | 7.73496E-4 b |
| JENDL-4.0u | 2.68334 b | 2.68334 b | 2.6896 b | 1.00234 | 275.186 b | 0.0712966 b | 5.8994E-4 b |
| JENDL/HE-2007 | 2.71707 b | 2.71707 b | 2.7228 b | 1.0021 | 277.673 b | 0.0713062 b | 5.8994E-4 b |
| BROND-3.1 | 2.68334 b | 2.68334 b | 2.6896 b | 1.00234 | 275.192 b | 0.0705687 b | 8.8E-4 b |
| CENDL-3.2 | 2.68275 b | 2.68275 b | 2.688 b | 1.00197 | 275.199 b | 0.0709323 b | 0.0012628 b |
| IRDF-2 | 2.68305 b | 2.68305 b | 2.6878 b | 1.00178 | 274.623 b | 0.0704018 b | 8.24448E-4 b |
| TENDL-2019 | 2.68262 b | 2.68262 b | 2.6868 b | 1.00155 | 274.623 b | 0.0704018 b | 8.24448E-4 b |

| | | |
|-------------------------|--|-------------------------|
| << 92-U-235 | 92-U-238 | 93-Np-237 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Pa238 production) | MT107 (n, α) >> |



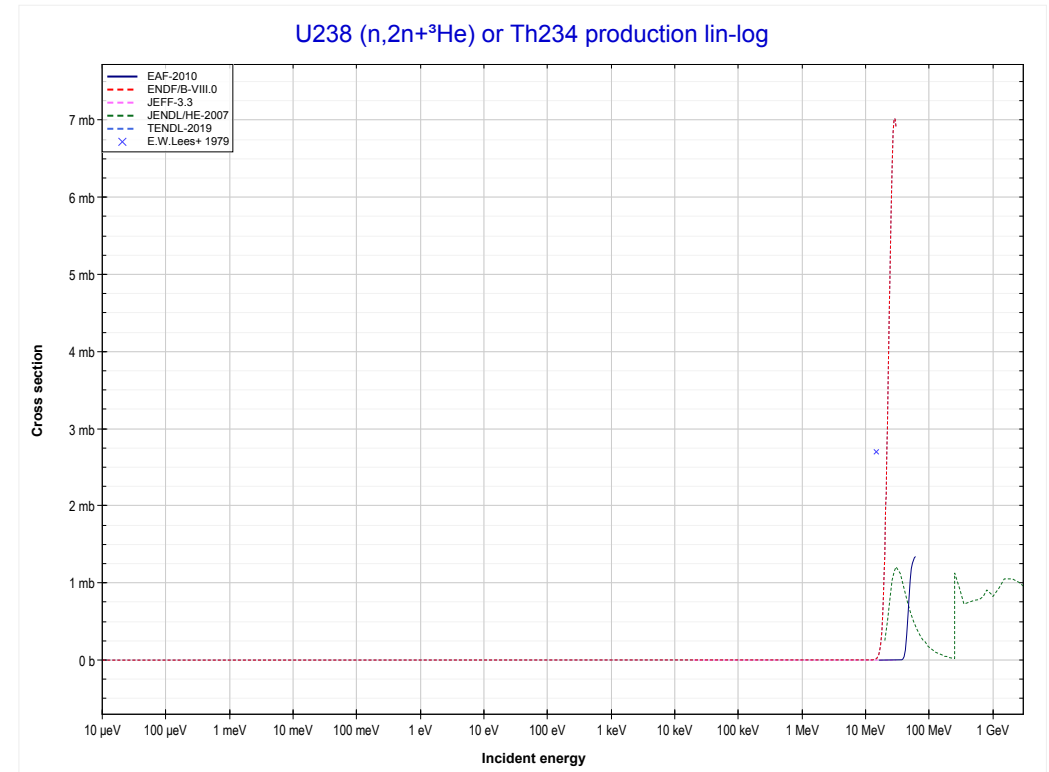
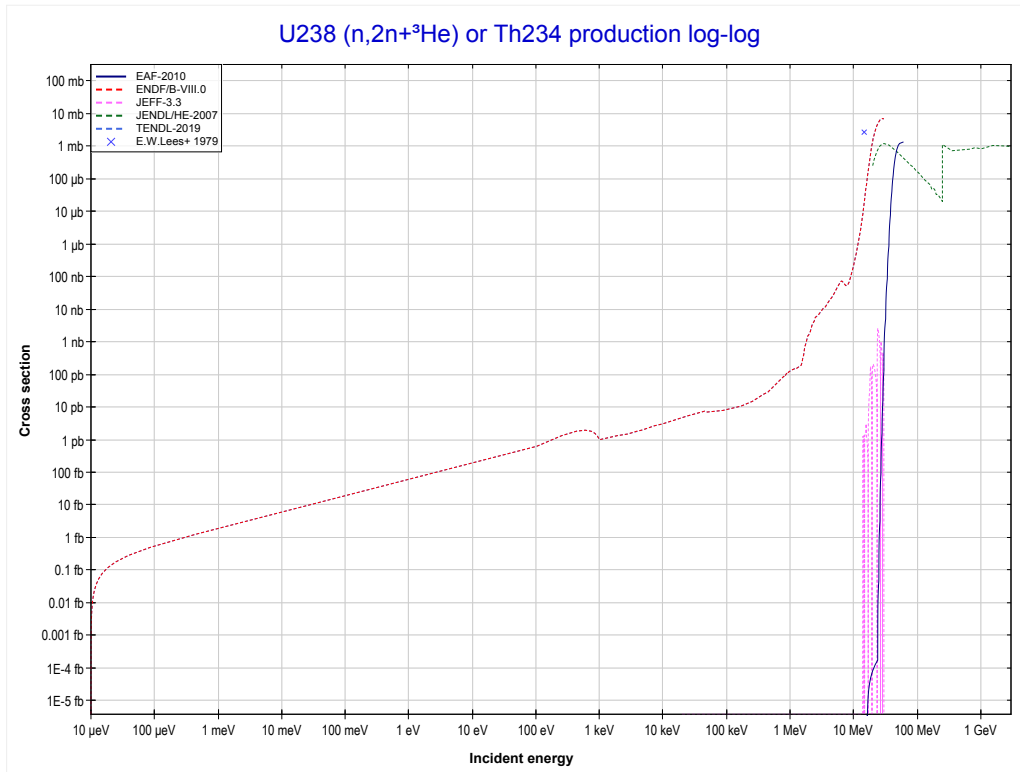
| Reaction | Q-Value |
|----------------|--------------|
| U238(n,p)Pa238 | -2803.85 keV |

| | | |
|----------------|--|---------------------------------|
| << 90-Th-230 | 92-U-238 | 95-Am-241 >> |
| << MT103 (n,p) | MT107 (n,α) or MT5 (Th235 production) | MT176 (n, $2n+^3\text{He}$) >> |



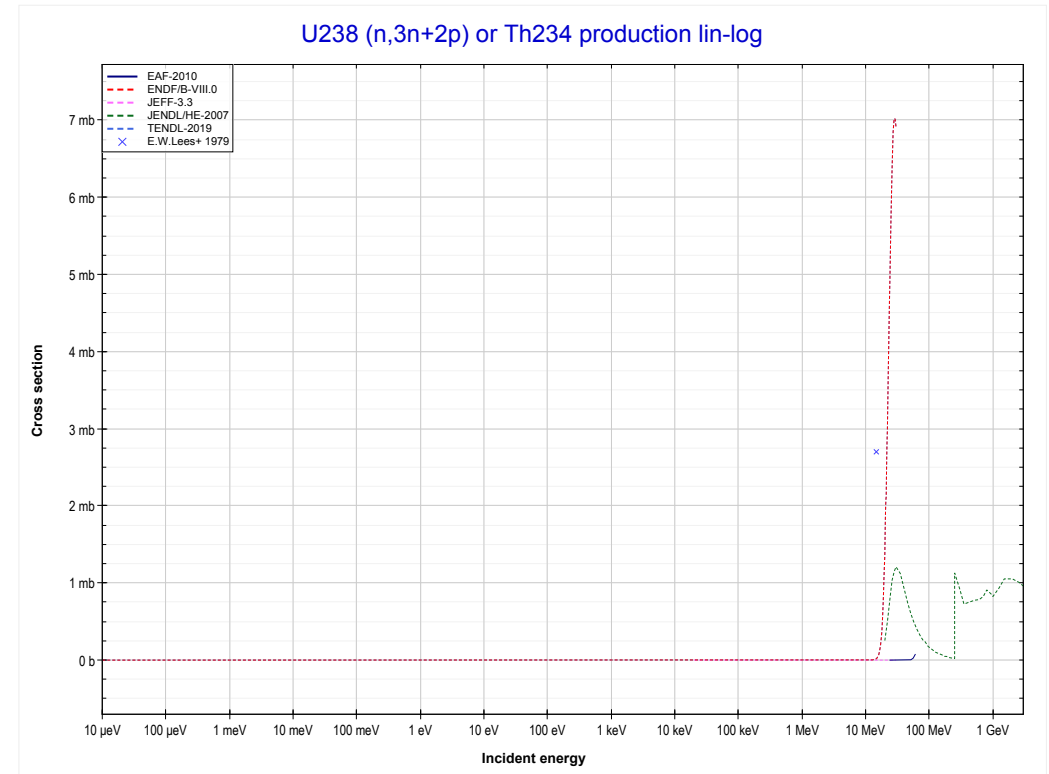
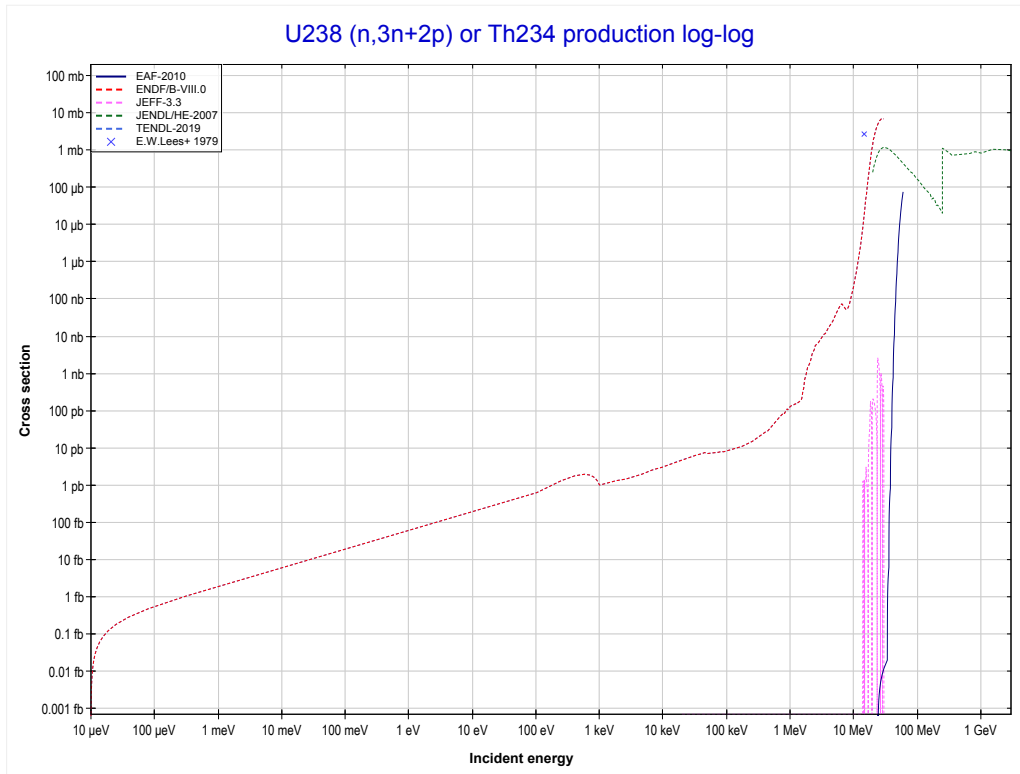
| Reaction | Q-Value |
|-------------------------|---------------|
| U238(n, α)Th235 | 8936.20 keV |
| U238(n,p+t)Th235 | -10877.66 keV |
| U238(n,n+He3)Th235 | -11641.42 keV |
| U238(n,2d)Th235 | -14910.33 keV |
| U238(n,n+p+d)Th235 | -17134.89 keV |
| U238(n,2n+2p)Th235 | -19359.46 keV |

| | | |
|-------------------------|--|--------------------|
| << 23-V-51 | 92-U-238 | |
| << MT107 (n, α) | MT176 (n,2n+³He) or MT5 (Th234 production) | MT179 (n,3n+2p) >> |



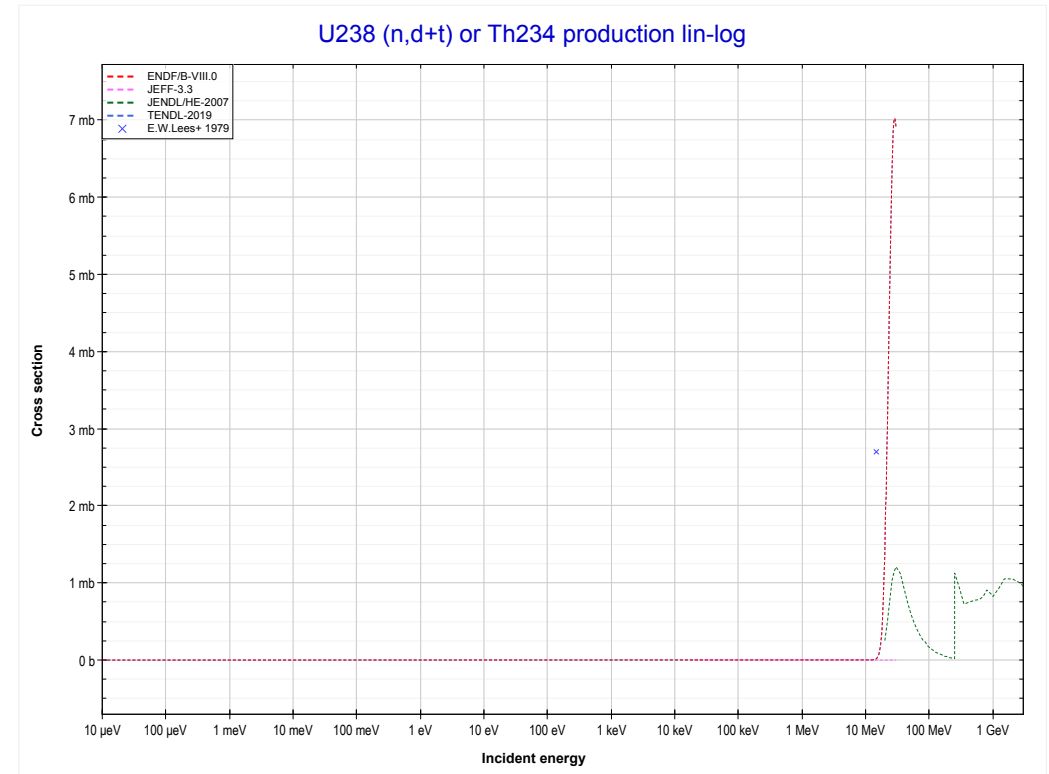
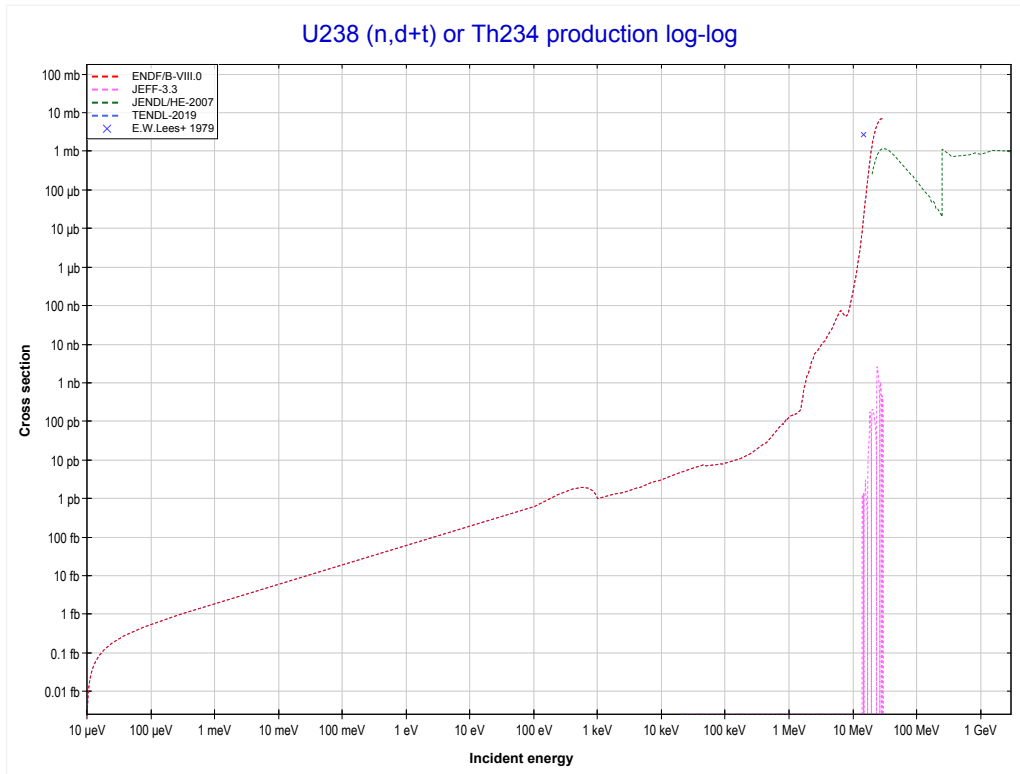
| Reaction | Q-Value |
|---------------------------|---------------|
| U238(n,n+ α)Th234 | 4269.88 keV |
| U238(n,d+t)Th234 | -13319.41 keV |
| U238(n,n+p+t)Th234 | -15543.98 keV |
| U238(n,2n+He3)Th234 | -16307.74 keV |
| U238(n,n+2d)Th234 | -19576.64 keV |
| U238(n,2n+p+d)Th234 | -21801.21 keV |
| U238(n,3n+2p)Th234 | -24025.78 keV |

| | | |
|----------------------------------|--|------------------|
| << 23-V-51 | 92-U-238 | |
| << MT176 (n,2n+ ³ He) | MT179 (n,3n+2p) or MT5 (Th234 production) | MT182 (n,d+t) >> |



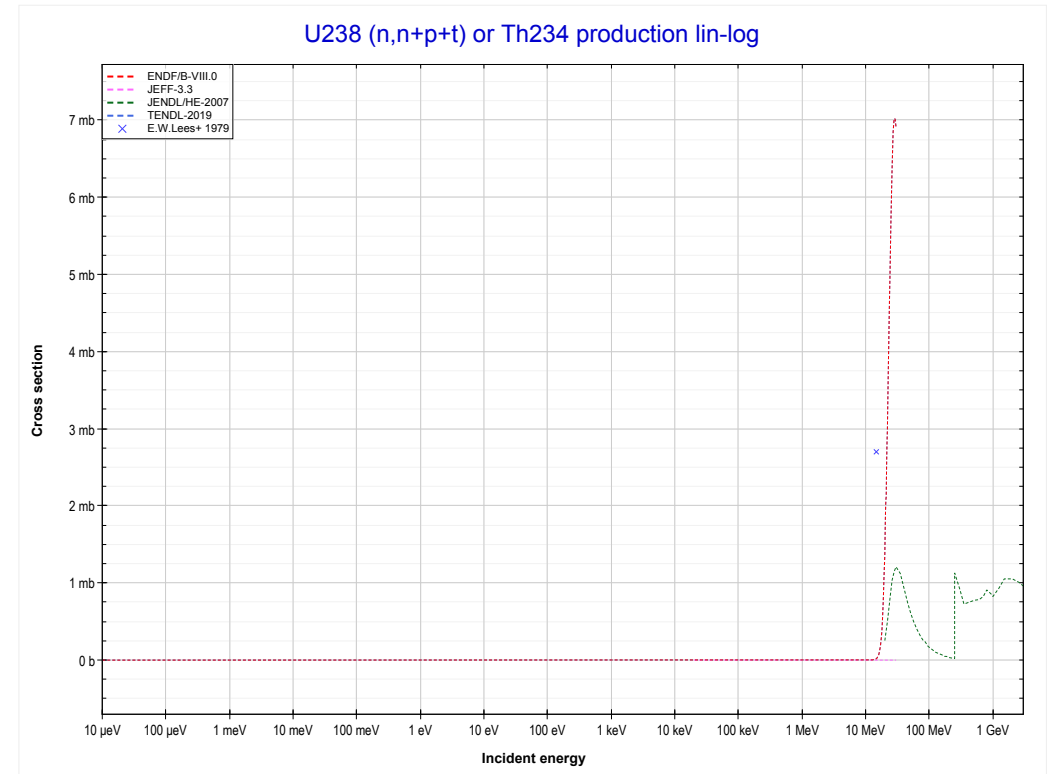
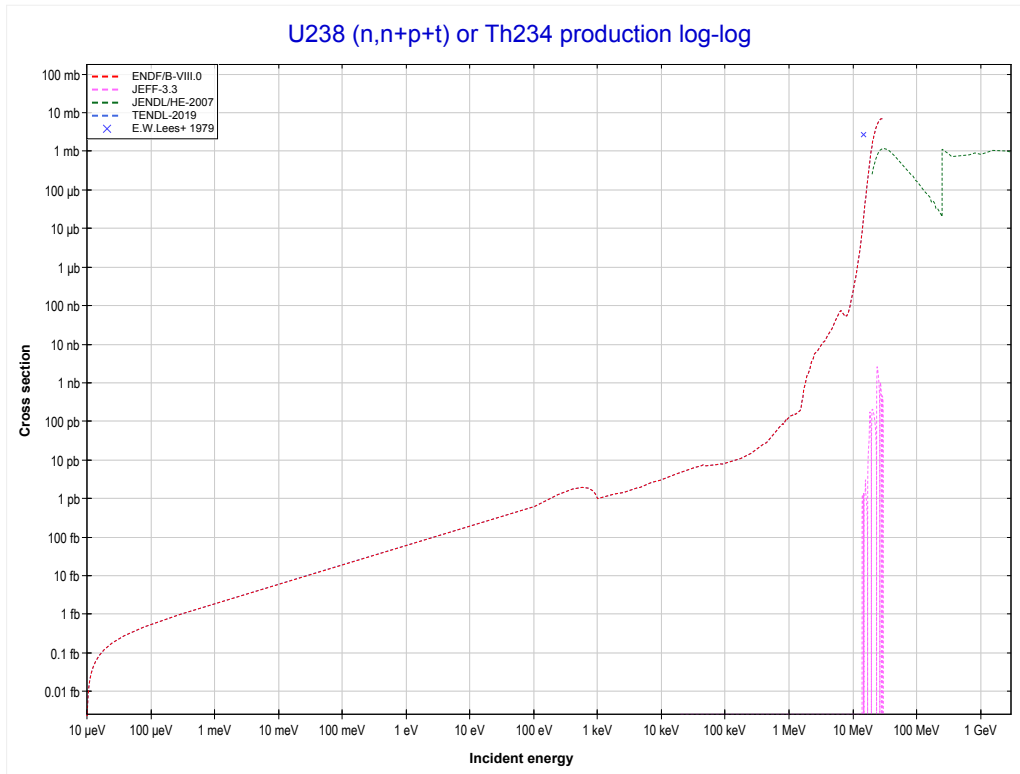
| Reaction | Q-Value |
|---------------------|---------------|
| U238(n,n+α)Th234 | 4269.88 keV |
| U238(n,d+t)Th234 | -13319.41 keV |
| U238(n,n+p+t)Th234 | -15543.98 keV |
| U238(n,2n+He3)Th234 | -16307.74 keV |
| U238(n,n+2d)Th234 | -19576.64 keV |
| U238(n,2n+p+d)Th234 | -21801.21 keV |
| U238(n,3n+2p)Th234 | -24025.78 keV |

| | | |
|--------------------|--|--------------------|
| << 23-V-51 | 92-U-238 | |
| << MT179 (n,3n+2p) | MT182 (n,d+t) or MT5 (Th234 production) | MT184 (n,n+p+t) >> |



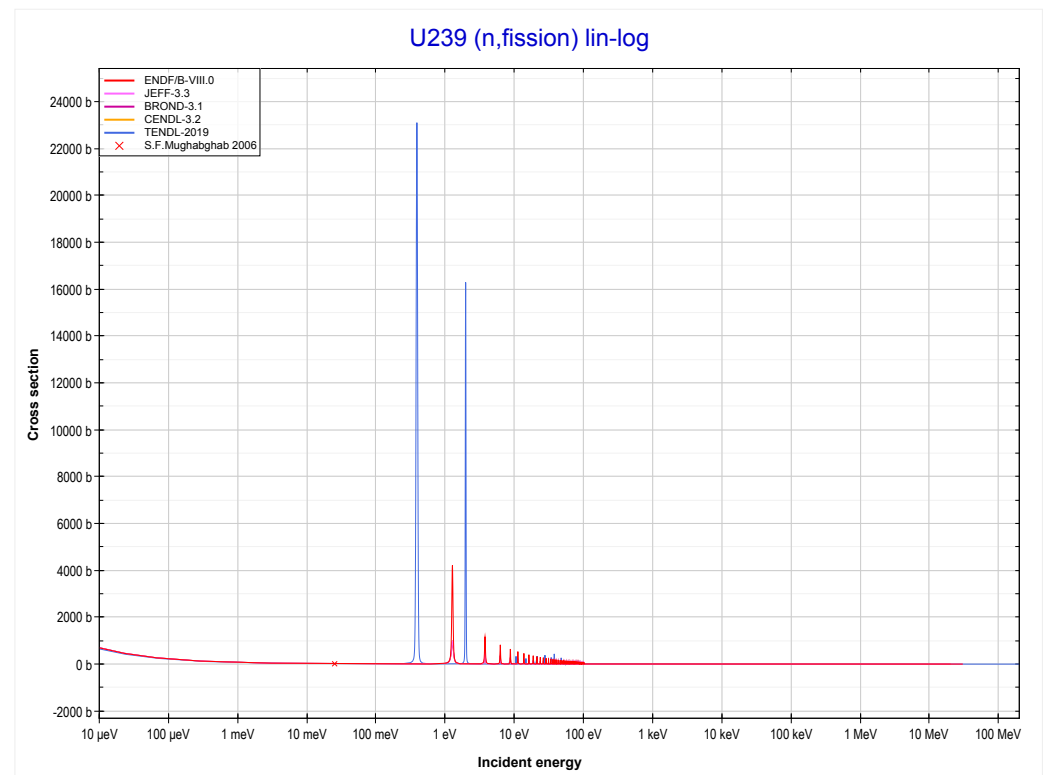
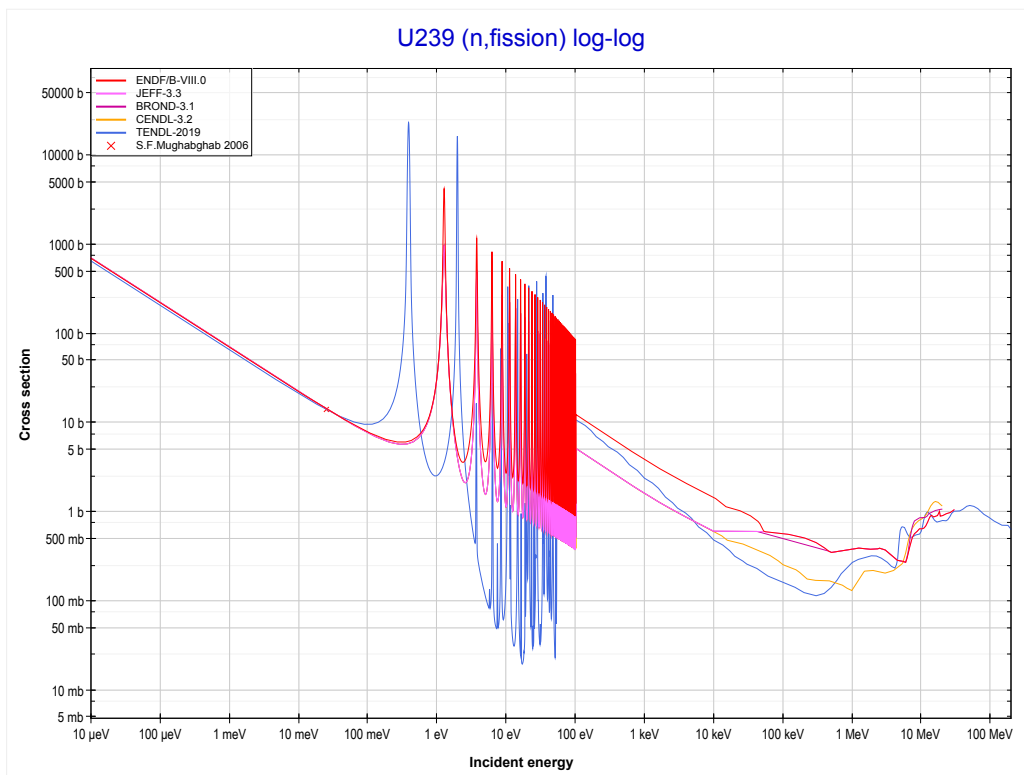
| Reaction | Q-Value |
|---------------------|---------------|
| U238(n,n+α)Th234 | 4269.88 keV |
| U238(n,d+t)Th234 | -13319.41 keV |
| U238(n,n+p+t)Th234 | -15543.98 keV |
| U238(n,2n+He3)Th234 | -16307.74 keV |
| U238(n,n+2d)Th234 | -19576.64 keV |
| U238(n,2n+p+d)Th234 | -21801.21 keV |
| U238(n,3n+2p)Th234 | -24025.78 keV |

| | | |
|------------------|--|------------------------------|
| << 23-V-51 | 92-U-238 | |
| << MT182 (n,d+t) | MT184 (n,n+p+t) or MT5 (Th234 production) | 92-U-239 MT18 (n,fission) >> |



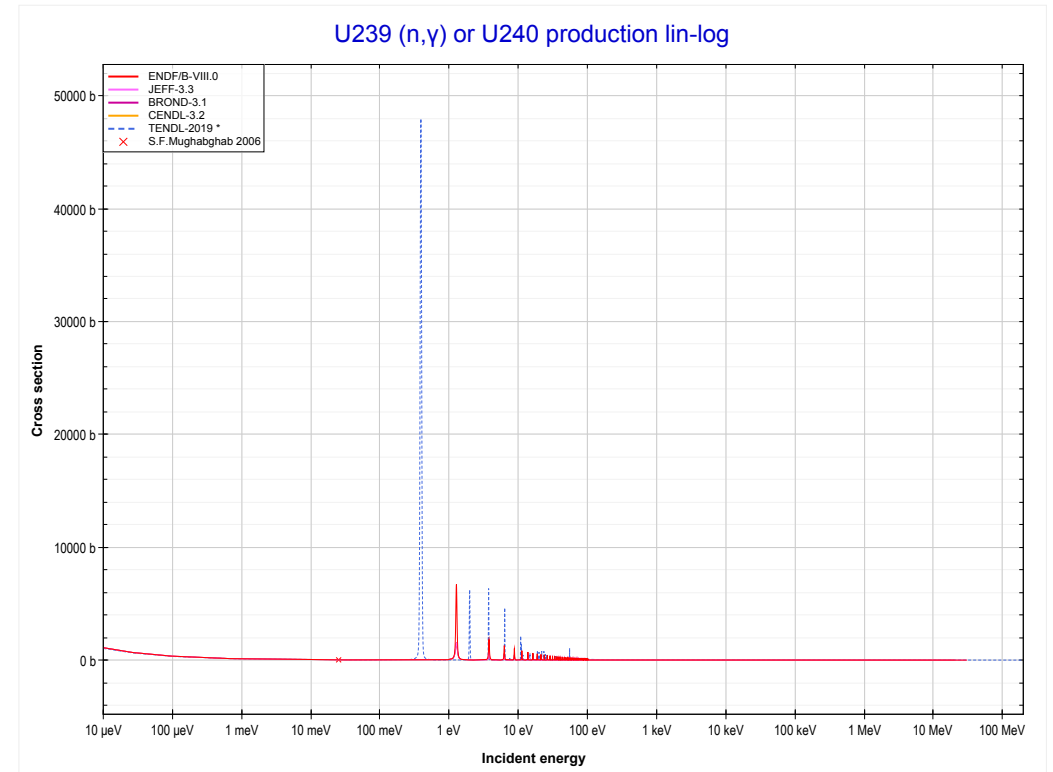
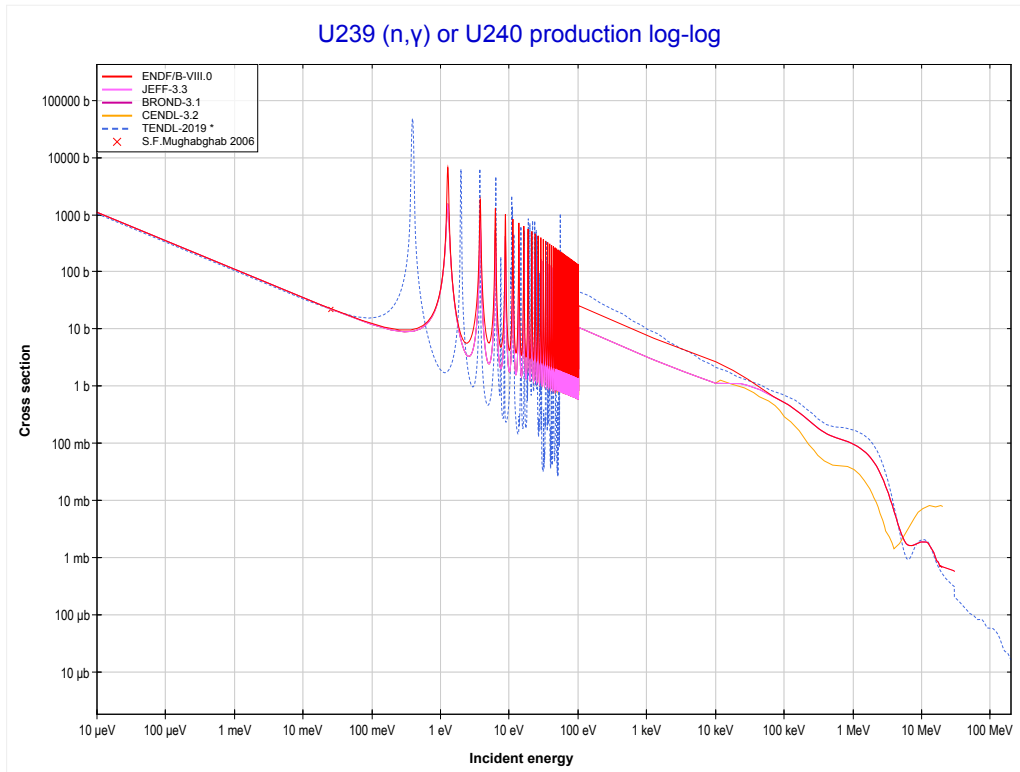
| Reaction | Q-Value |
|---------------------|---------------|
| U238(n,n+α)Th234 | 4269.88 keV |
| U238(n,d+t)Th234 | -13319.41 keV |
| U238(n,n+p+t)Th234 | -15543.98 keV |
| U238(n,2n+He3)Th234 | -16307.74 keV |
| U238(n,n+2d)Th234 | -19576.64 keV |
| U238(n,2n+p+d)Th234 | -21801.21 keV |
| U238(n,3n+2p)Th234 | -24025.78 keV |

| | | |
|-----------------------------|-------------------------|-------------------------|
| << 92-U-238 | 92-U-239 | 93-Np-232 >> |
| << 92-U-238 MT184 (n,n+p+t) | MT18 (n,fission) | MT102 (n, γ) >> |



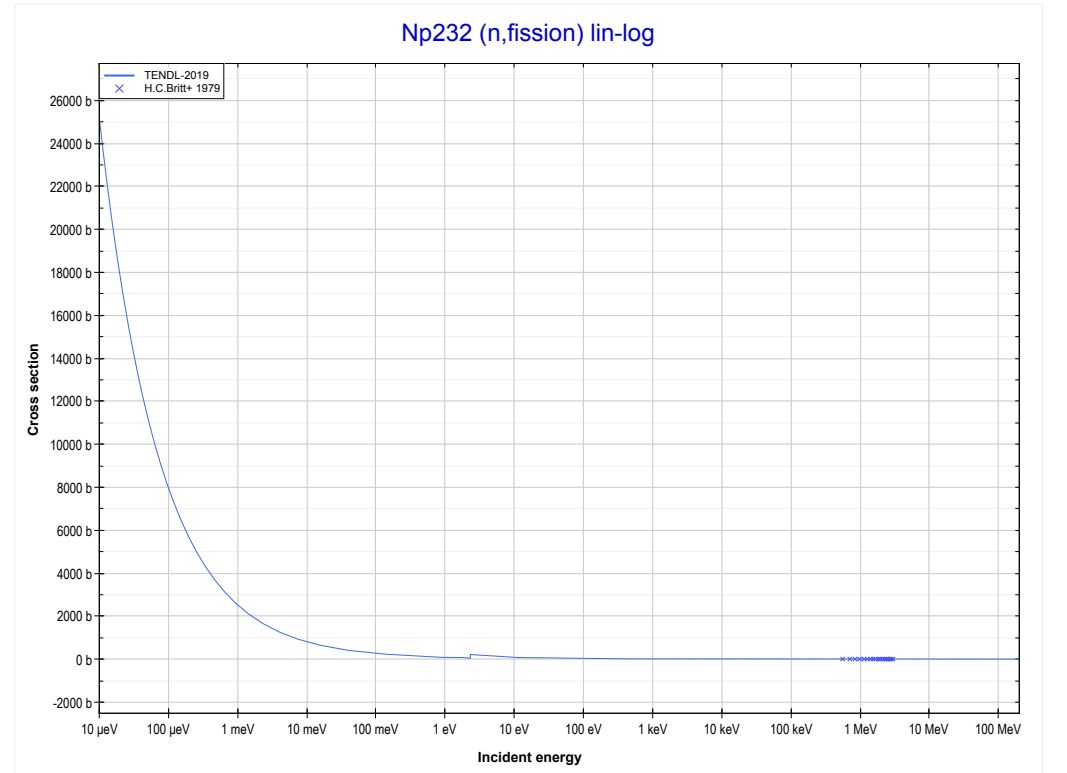
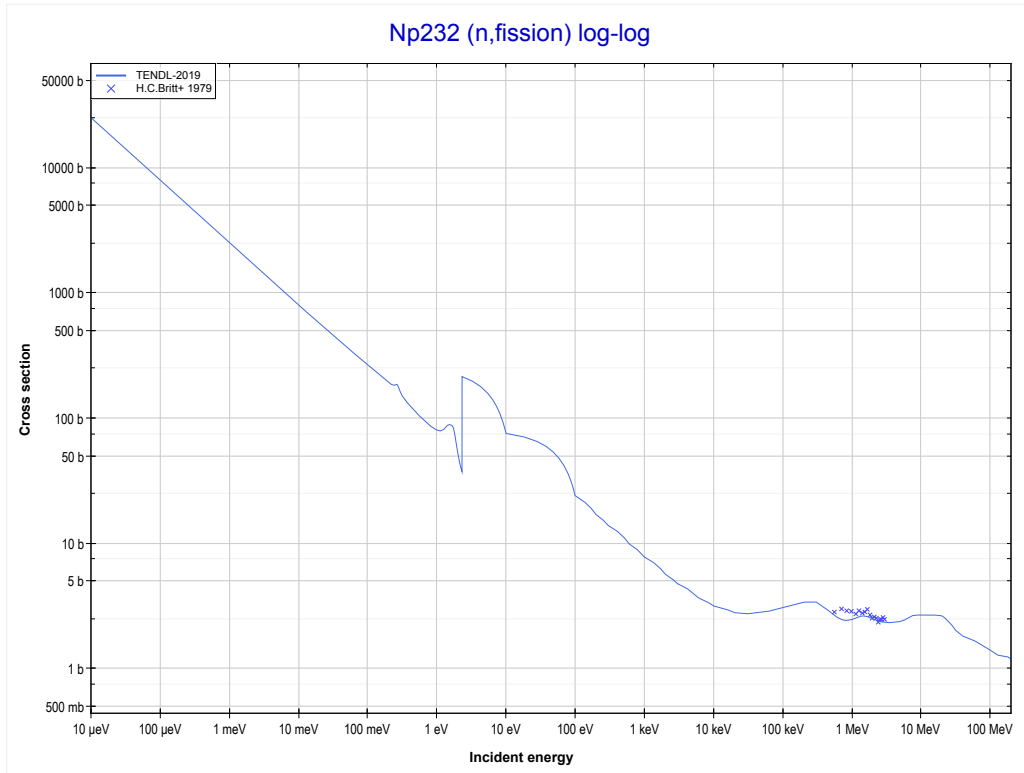
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 14.2296 b | 14.2296 b | 14.467 b | 1.01667 | 464.253 b | 0.381658 b | 0.90647 b |
| JEFF-3.3 | 14.2508 b | 14.2508 b | 14.428 b | 1.01244 | 195.676 b | 0.379562 b | 0.90647 b |
| BROND-3.1 | 14.2507 b | 14.2507 b | 14.428 b | 1.01245 | 195.642 b | 0.377523 b | 0.98067 b |
| CENDL-3.2 | 14.2478 b | 14.2478 b | 14.419 b | 1.01202 | 195.09 b | 0.207019 b | 1.1805 b |
| TENDL-2019 | 13.9591 b | 13.9591 b | 14.954 b | 1.07126 | 550.647 b | 0.277892 b | 0.908632 b |

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|---------------------|---|-------------------------------|
| << 92-U-238 | 92-U-239 | 93-Np-235 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (U240 production) | 93-Np-232 MT18 (n,fission) >> |



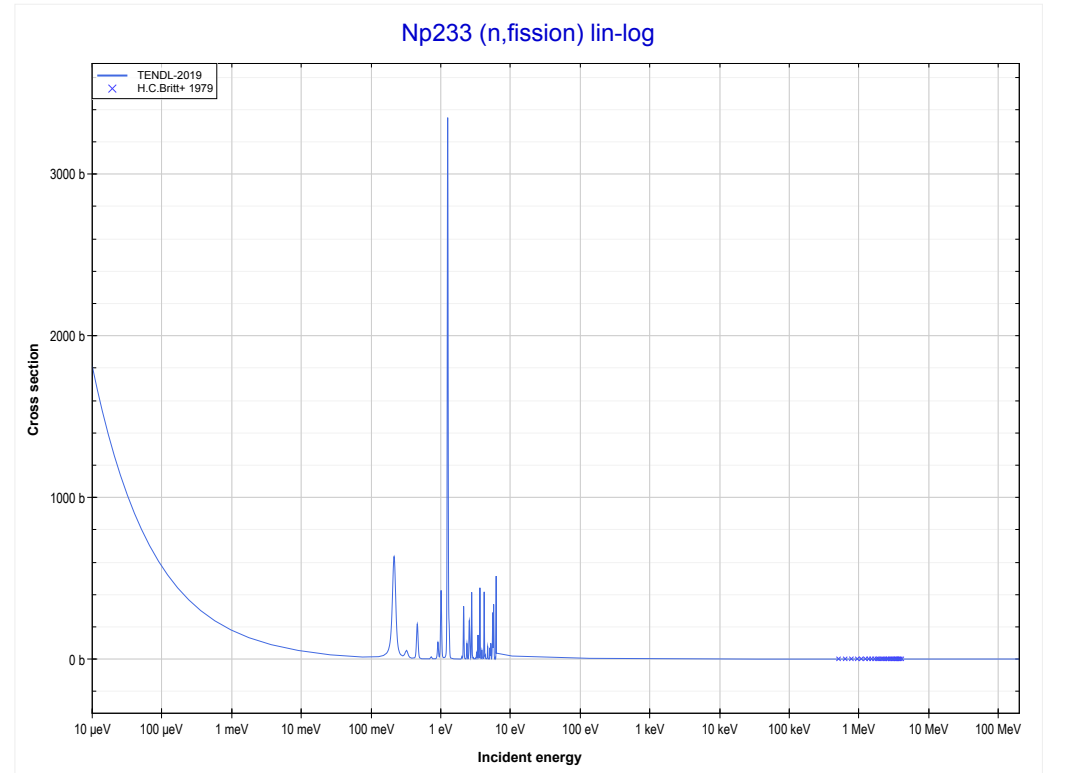
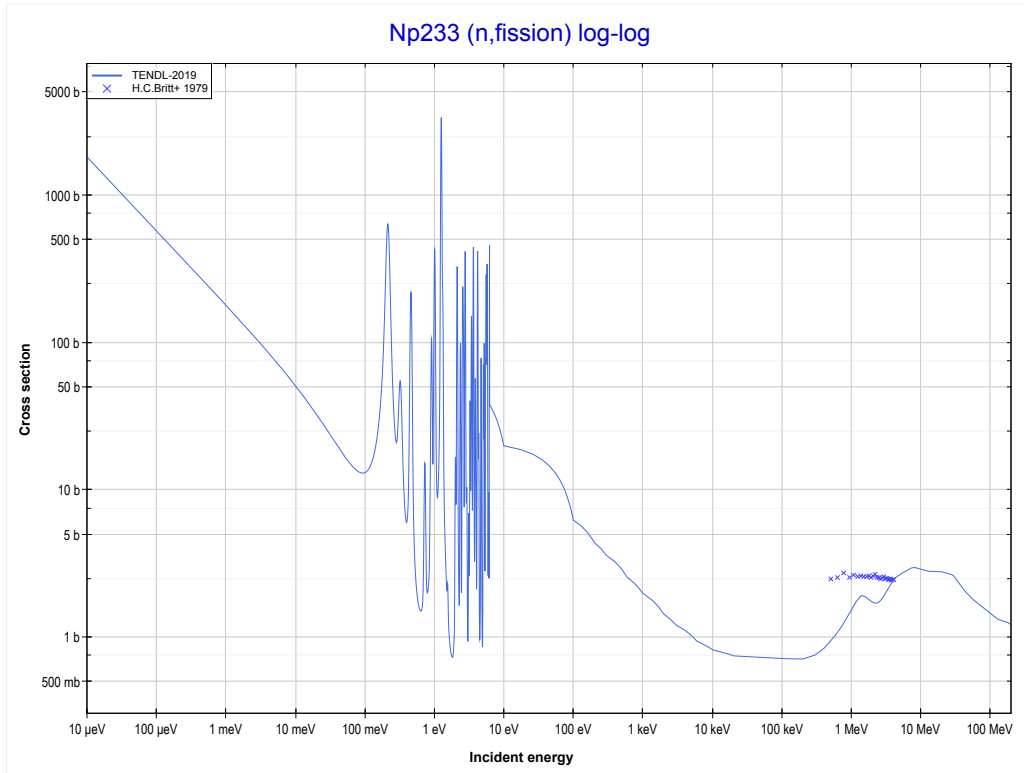
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 22.5252 b | 22.5252 b | 22.902 b | 1.01673 | 744.507 b | 0.0894119 b | 0.00143224 b |
| JEFF-3.3 | 22.3325 b | 22.3325 b | 22.61 b | 1.01244 | 310.932 b | 0.0866363 b | 0.00143224 b |
| BROND-3.1 | 22.3323 b | 22.3323 b | 22.61 b | 1.01245 | 310.932 b | 0.0866398 b | 0.00143224 b |
| CENDL-3.2 | 22.3278 b | 22.3278 b | 22.596 b | 1.01202 | 310.407 b | 0.0348976 b | 0.0079902 b |
| TENDL-2019 | 21.9184 b | 21.9184 b | 23.829 b | 1.08718 | 623.762 b | 0.139765 b | 0.00139272 b |

| | | |
|----------------------------------|-------------------------|-------------------------------|
| << 92-U-239 | 93-Np-232 | 93-Np-233 >> |
| << 92-U-239 MT102 (n, γ) | MT18 (n,fission) | 93-Np-233 MT18 (n,fission) >> |



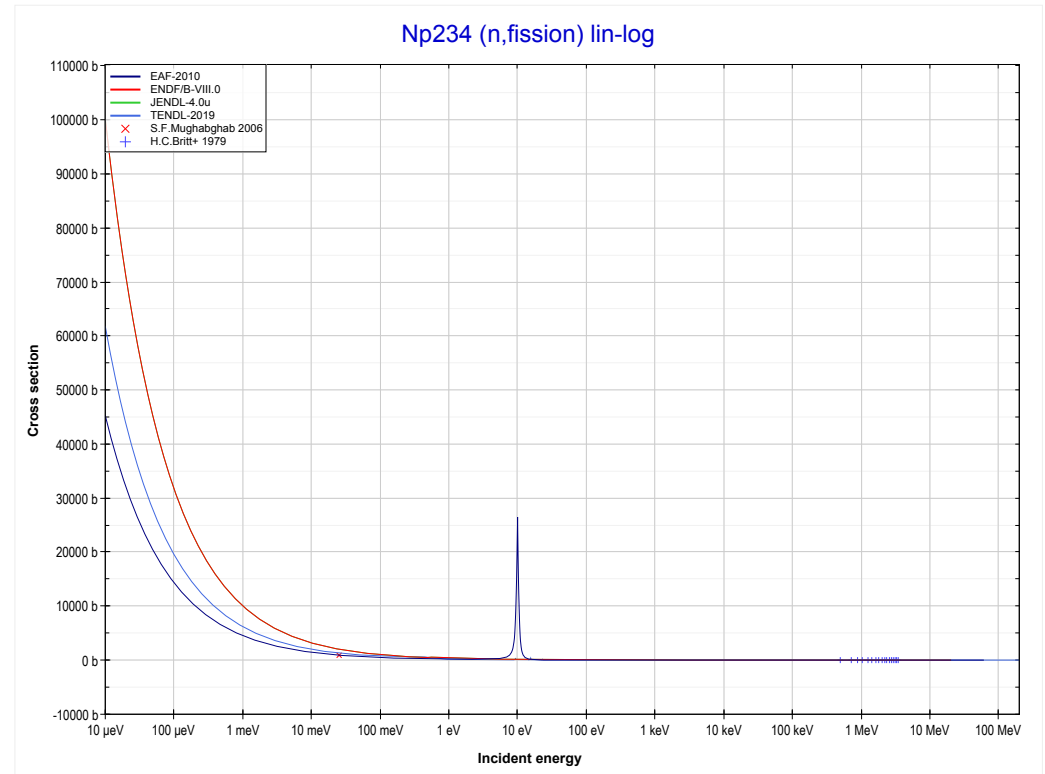
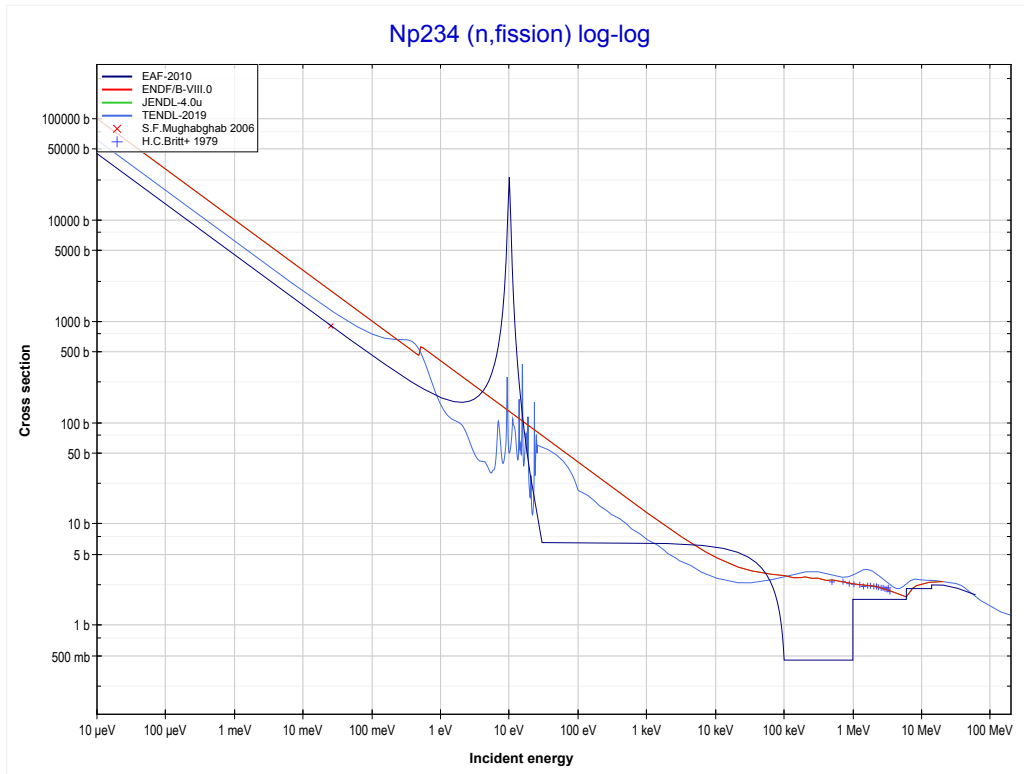
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 509.795 b | 509.795 b | 513.03 b | 1.00634 | 549.449 b | 2.55613 b | 2.67096 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 93-Np-232 | 93-Np-233 | 93-Np-234 >> |
| << 93-Np-232 MT18 (n,fission) | MT18 (n,fission) | 93-Np-234 MT18 (n,fission) >> |



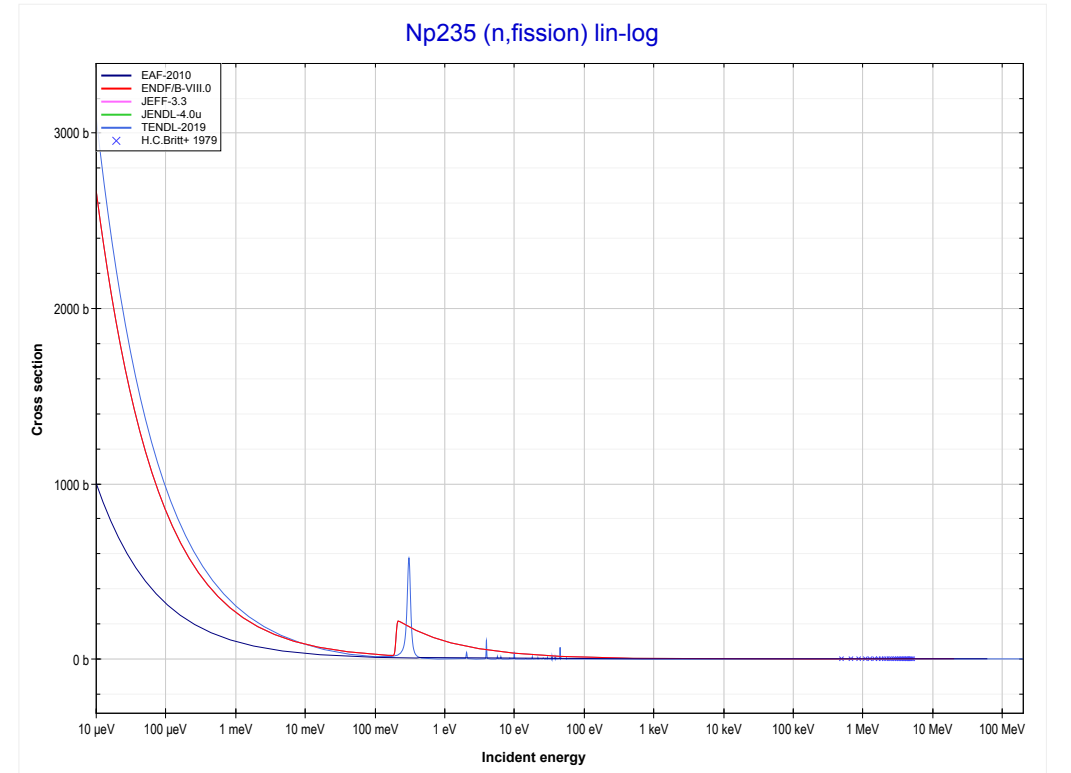
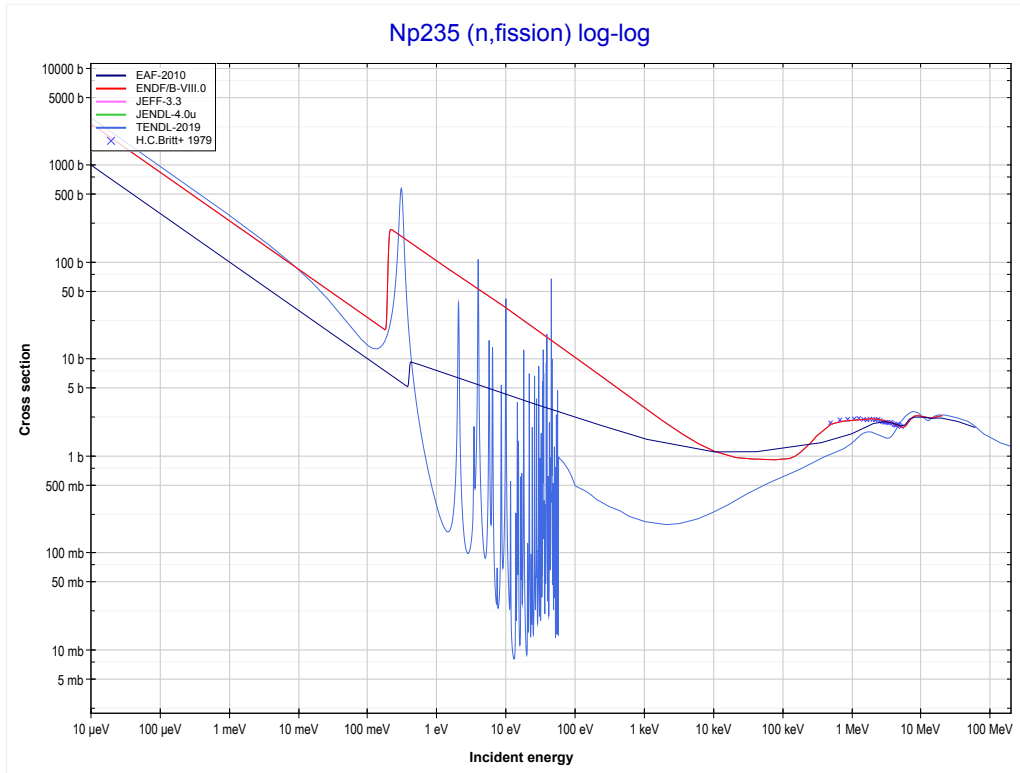
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 27.7091 b | 27.7091 b | 29.918 b | 1.07972 | 293.689 b | 1.68193 b | 2.79873 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 93-Np-233 | 93-Np-234 | 93-Np-235 >> |
| << 93-Np-233 MT18 (n,fission) | MT18 (n,fission) | 93-Np-235 MT18 (n,fission) >> |



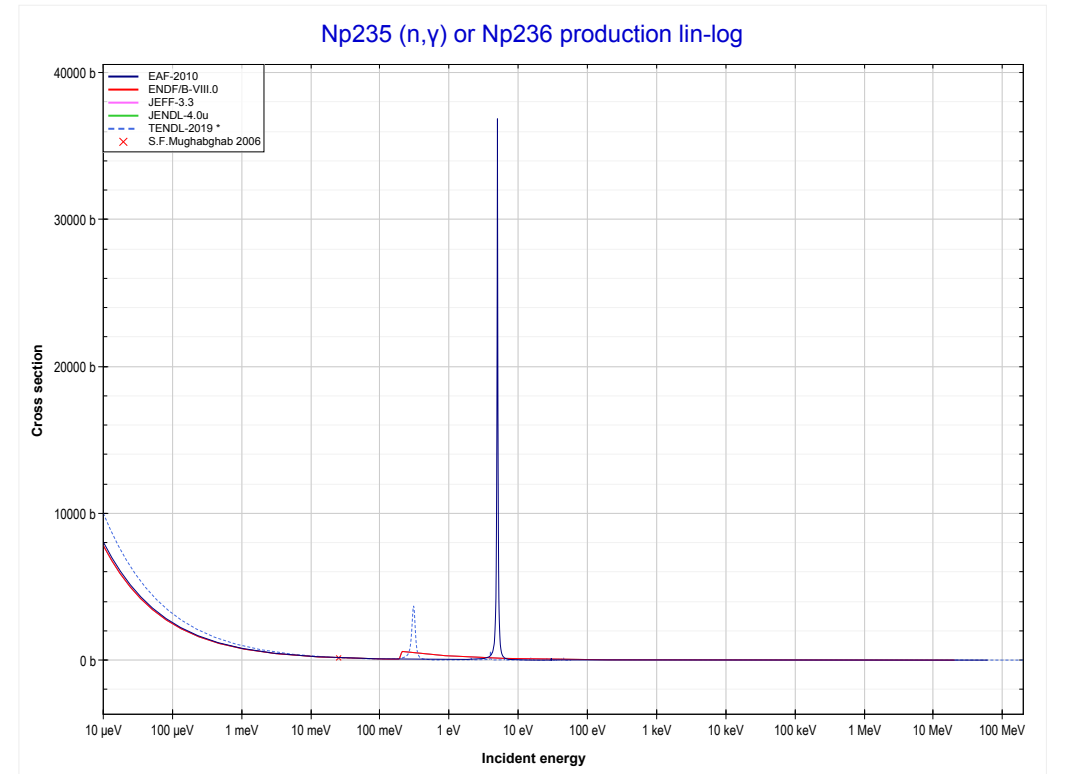
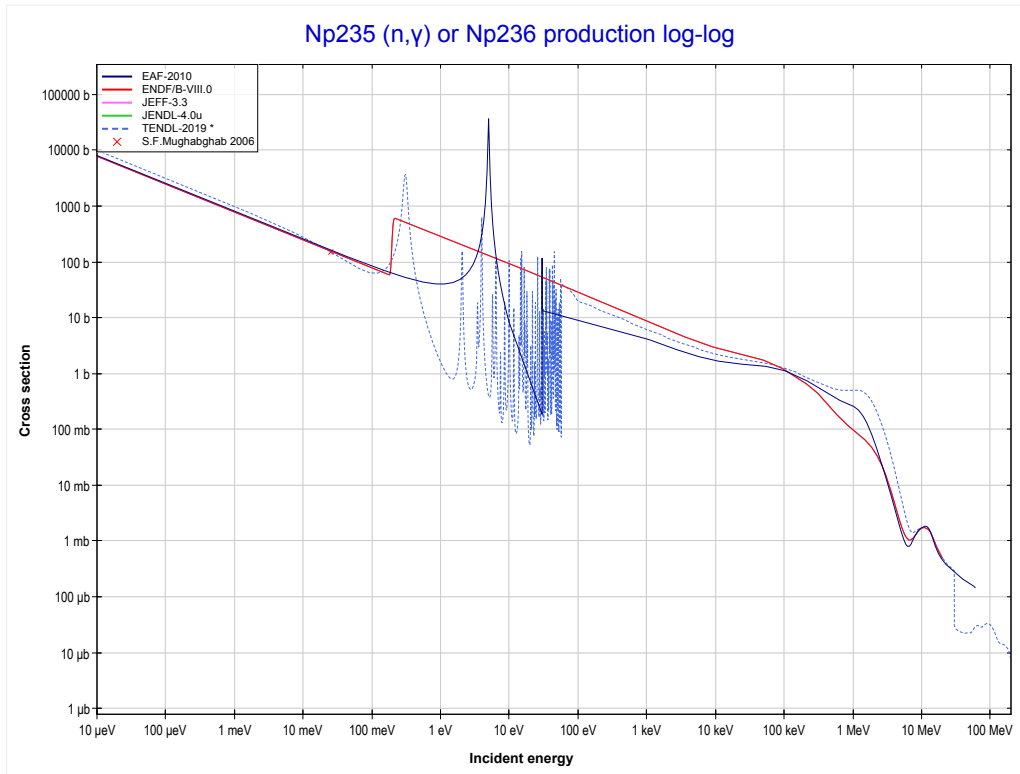
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 904.82 b | 904.147 b | 906.86 b | 1.00301 | 3690.91 b | 1.42878 b | 2.3 b |
| ENDF/B-VIII.0 | 2000.45 b | 2000.45 b | 2000.9 b | 1.00022 | 1155.01 b | 2.48296 b | 2.67265 b |
| JENDL-4.0u | 2000.45 b | 2000.45 b | 2000.9 b | 1.00022 | 1155.01 b | 2.48296 b | 2.67265 b |
| TENDL-2019 | 1284.65 b | 1284.65 b | 1320.6 b | 1.02799 | 546.099 b | 3.06009 b | 2.78668 b |

| | | |
|-------------------------------|-------------------------|-------------------------|
| << 93-Np-234 | 93-Np-235 | 93-Np-236 >> |
| << 93-Np-234 MT18 (n,fission) | MT18 (n,fission) | MT102 (n, γ) >> |



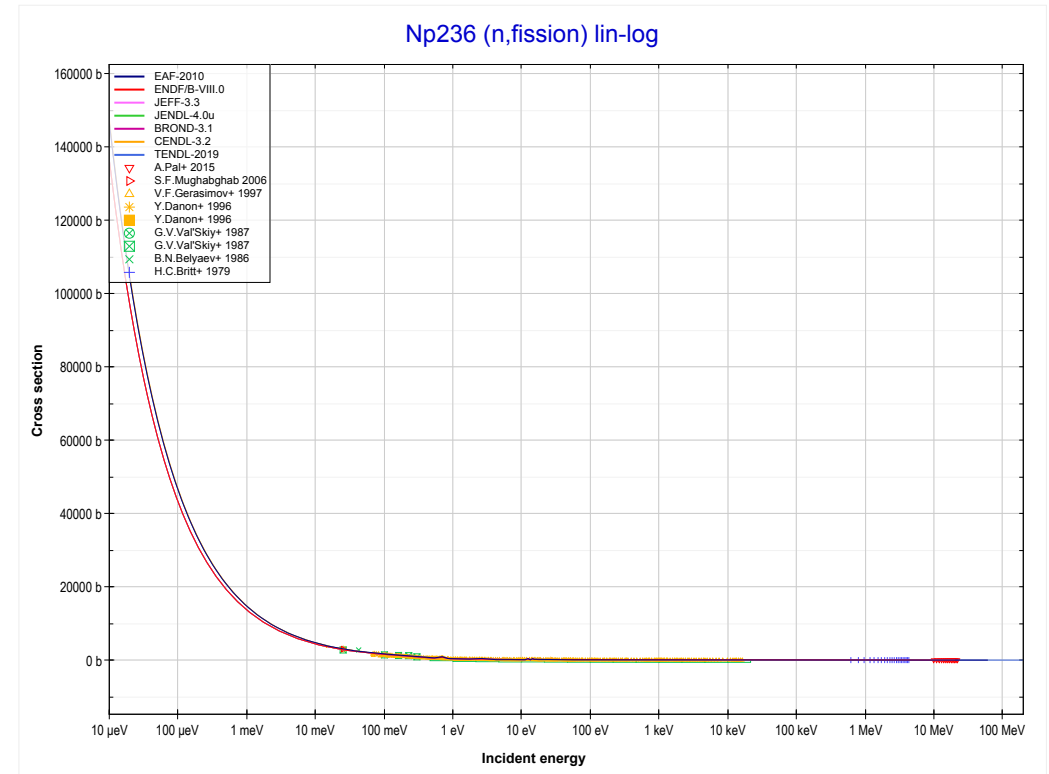
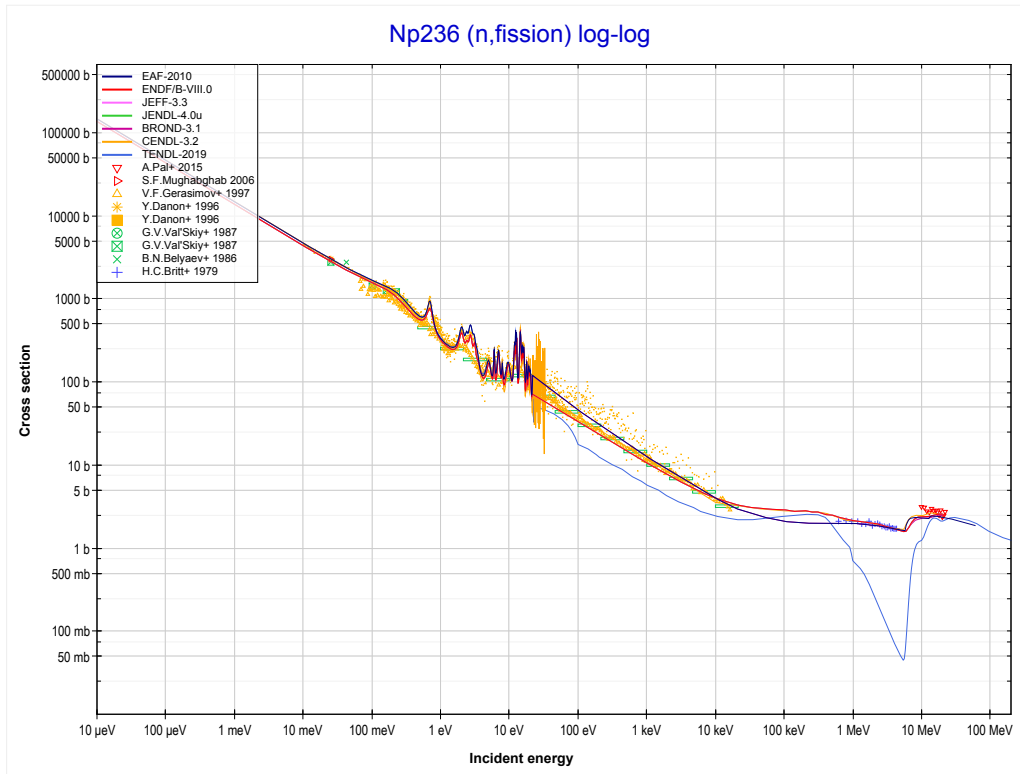
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 19.9988 b | 19.9843 b | 19.965 b | 0.99906 | 36.7575 b | 1.88952 b | 2.44746 b |
| ENDF/B-VIII.0 | 53.0086 b | 53.0086 b | 53.764 b | 1.01425 | 293.779 b | 2.19617 b | 2.45222 b |
| JEFF-3.3 | 53.0086 b | 53.0086 b | 53.764 b | 1.01425 | 293.779 b | 2.19617 b | 2.45222 b |
| JENDL-4.0u | 53.0086 b | 53.0086 b | 53.764 b | 1.01425 | 293.779 b | 2.19617 b | 2.45222 b |
| TENDL-2019 | 43.0837 b | 43.0837 b | 41.656 b | 0.96685 | 10.8752 b | 1.5181 b | 2.40809 b |

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|---------------------|--|-------------------------------|
| << 92-U-239 | 93-Np-235 | 93-Np-236 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Np236 production) | 93-Np-236 MT18 (n,fission) >> |



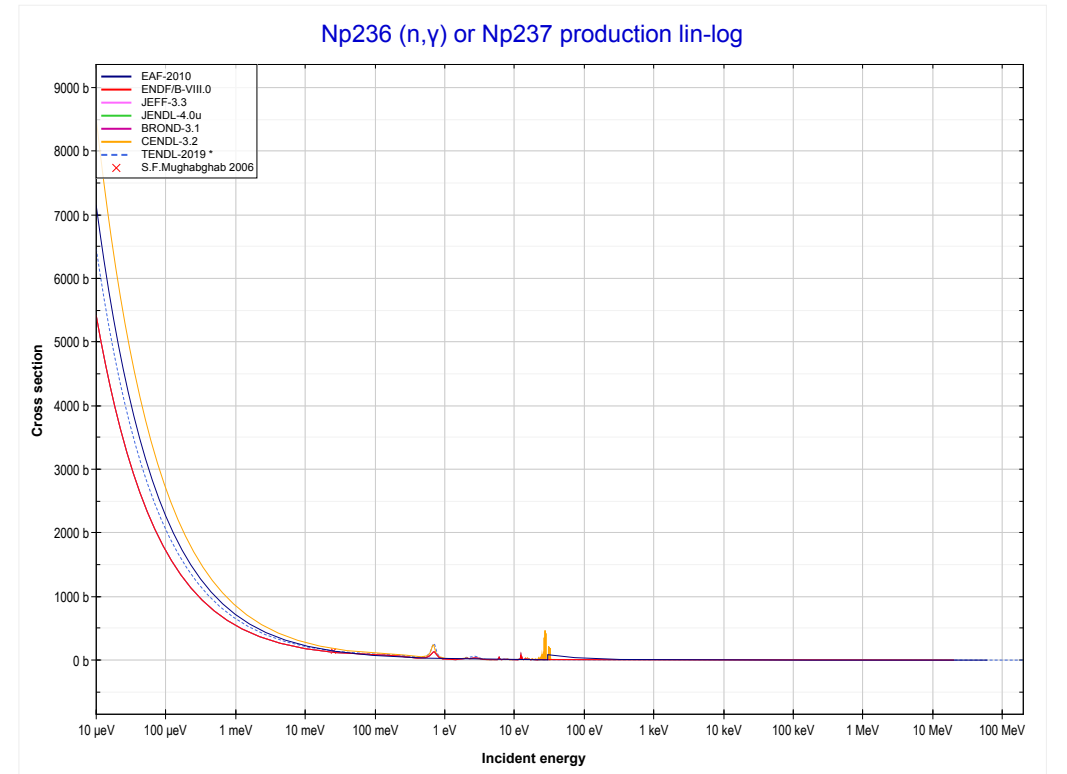
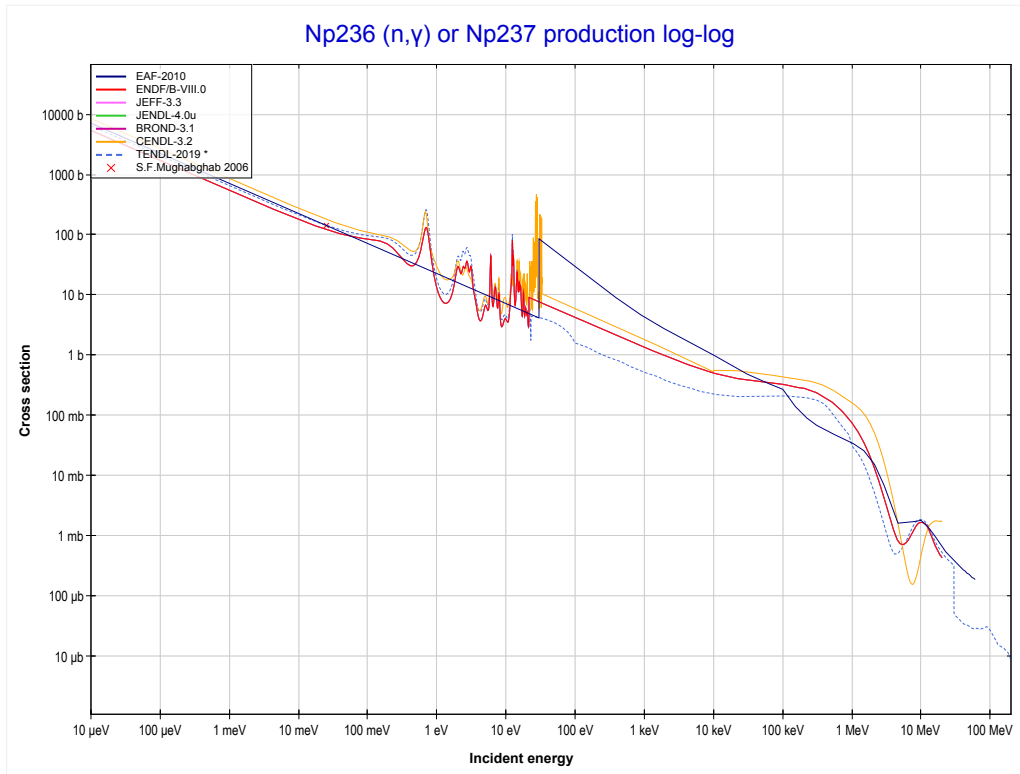
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 161.775 b | 161.656 b | 162.63 b | 1.00601 | 2036.3 b | 0.203616 b | 0.00128096 b |
| ENDF/B-VIII.0 | 155.03 b | 155.03 b | 157.17 b | 1.01377 | 813.196 b | 0.135324 b | 0.00129783 b |
| JEFF-3.3 | 155.03 b | 155.03 b | 157.17 b | 1.01377 | 813.196 b | 0.135324 b | 0.00129783 b |
| JENDL-4.0u | 155.03 b | 155.03 b | 157.17 b | 1.01377 | 813.196 b | 0.135324 b | 0.00129783 b |
| TENDL-2019 | 149.624 b | 149.624 b | 149.87 b | 1.00164 | 103.489 b | 0.363371 b | 0.00130755 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 93-Np-235 | 93-Np-236 | 93-Np-237 >> |
| << 93-Np-235 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



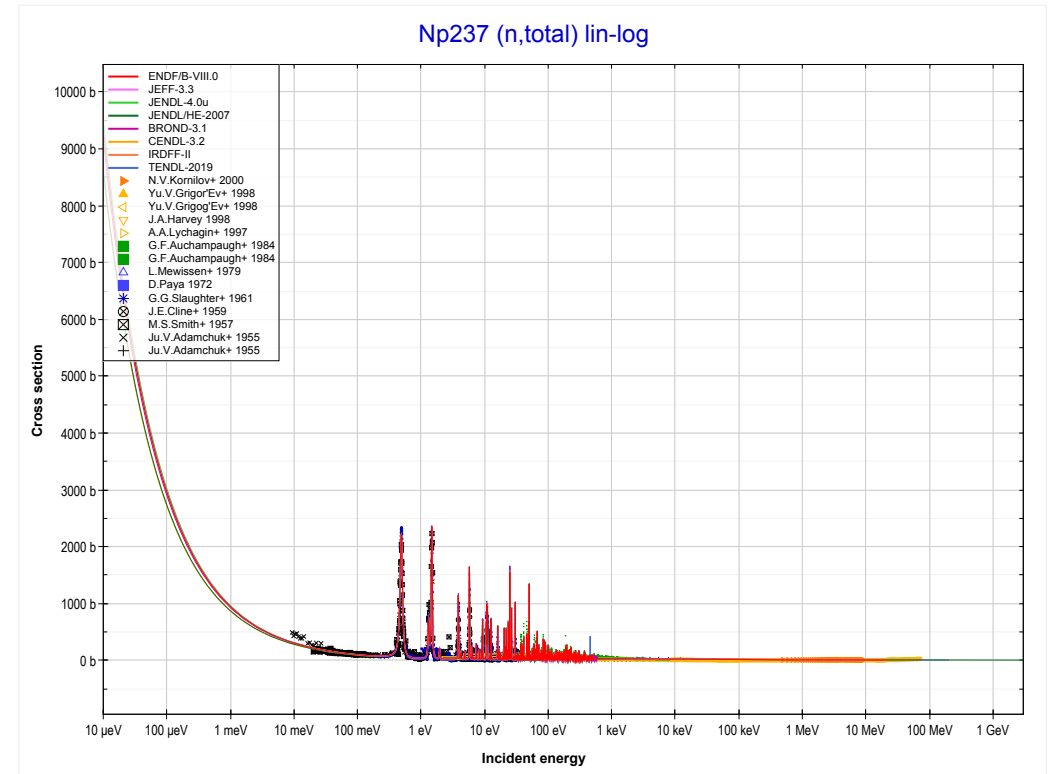
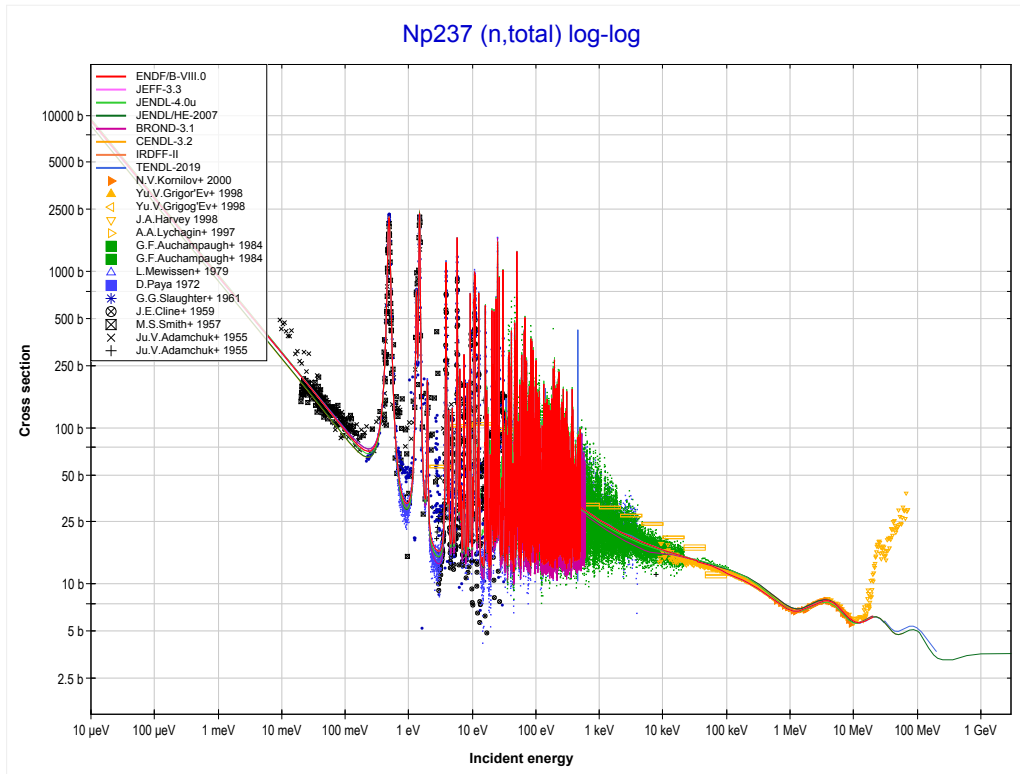
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3010.75 b | 3008.71 b | 3064.9 b | 1.01874 | 1347.04 b | 1.92032 b | 2.44369 b |
| ENDF/B-VIII.0 | 2807.69 b | 2807.69 b | 2862.5 b | 1.01953 | 1162.52 b | 2.10454 b | 2.46333 b |
| JEFF-3.3 | 2807.69 b | 2807.69 b | 2862.5 b | 1.01953 | 1162.52 b | 2.10454 b | 2.46333 b |
| JENDL-4.0u | 2807.69 b | 2807.69 b | 2862.5 b | 1.01953 | 1162.52 b | 2.10454 b | 2.46333 b |
| BROND-3.1 | 2807.69 b | 2807.69 b | 2862.5 b | 1.01953 | 1218.86 b | 1.91107 b | 2.36493 b |
| CENDL-3.2 | 3001.06 b | 3001.06 b | 3045.4 b | 1.01478 | 1260.06 b | 2.10119 b | 2.6658 b |
| TENDL-2019 | 3007.83 b | 3007.83 b | 3061.8 b | 1.01795 | 1250.06 b | 0.758149 b | 2.23408 b |

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|---------------------|--|----------------------------|
| << 93-Np-235 | 93-Np-236 | 93-Np-237 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Np237 production) | 93-Np-237 MT1 (n,total) >> |



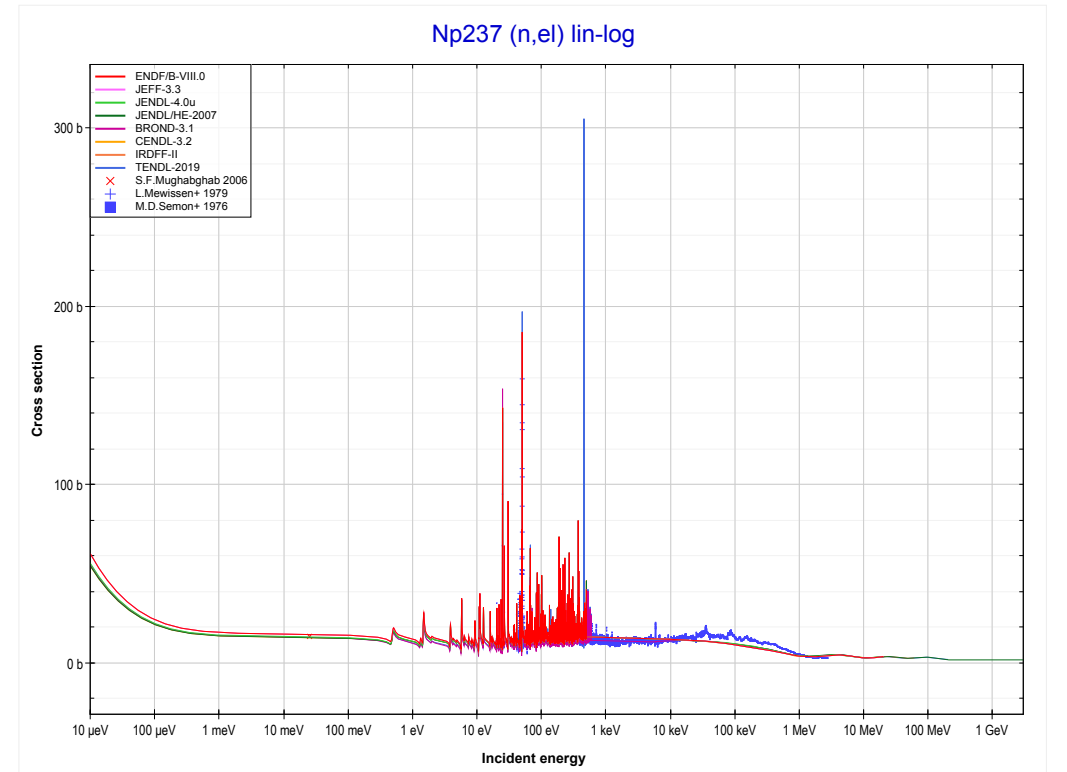
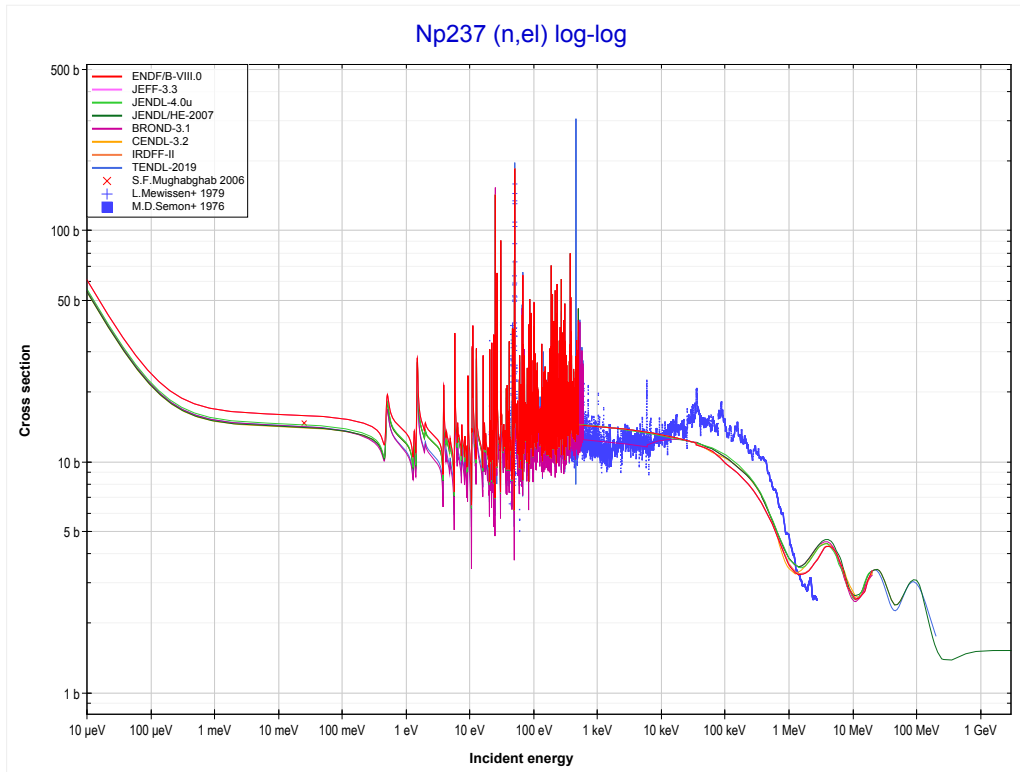
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 142 b | 141.894 b | 141.9 b | 1.00005 | 154.425 b | 0.0334927 b | 0.00119 b |
| ENDF/B-VIII.0 | 121.241 b | 121.241 b | 129.17 b | 1.06544 | 99.8656 b | 0.0673078 b | 0.00100841 b |
| JEFF-3.3 | 121.241 b | 121.241 b | 129.17 b | 1.06544 | 99.8656 b | 0.0673078 b | 0.00100841 b |
| JENDL-4.0u | 121.241 b | 121.241 b | 129.17 b | 1.06544 | 99.8656 b | 0.0673078 b | 0.00100841 b |
| BROND-3.1 | 121.241 b | 121.241 b | 129.17 b | 1.06544 | 99.8405 b | 0.0672213 b | 0.00100841 b |
| CENDL-3.2 | 179.807 b | 179.807 b | 186.29 b | 1.03604 | 157.907 b | 0.124194 b | 0.0015705 b |
| TENDL-2019 | 142.557 b | 142.557 b | 151.03 b | 1.05941 | 136.638 b | 0.041041 b | 0.0011275 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 92-U-238 | 93-Np-237 | 94-Pu-238 >> |
| << 93-Np-236 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



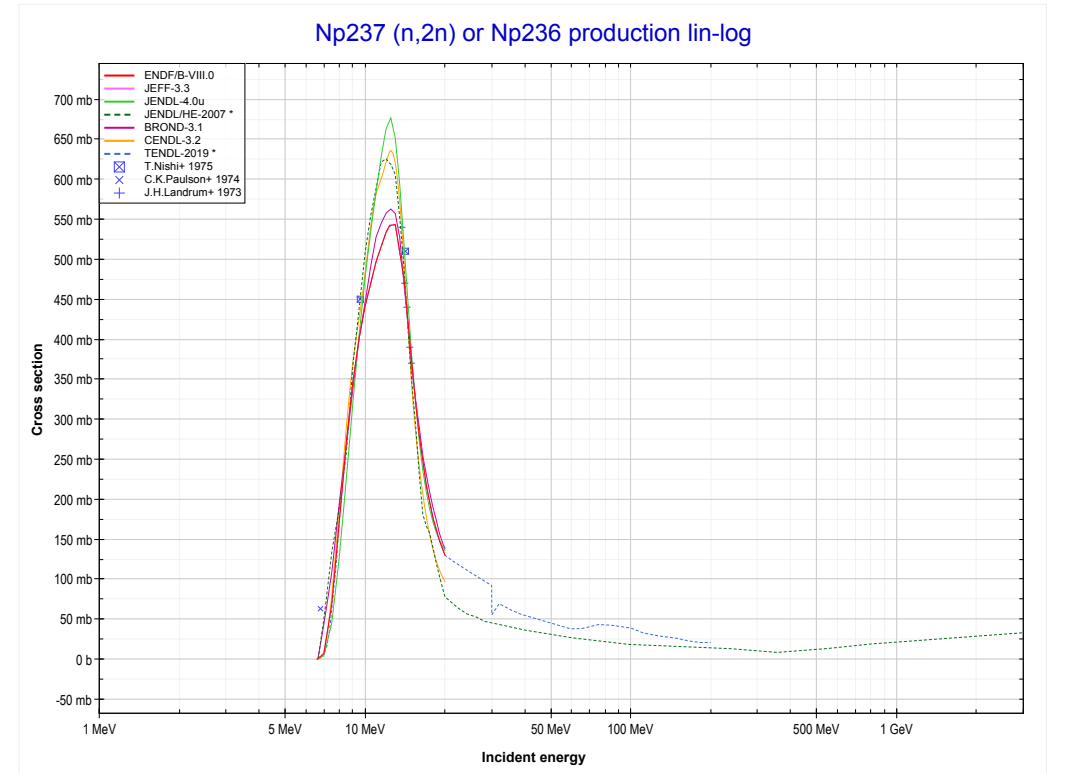
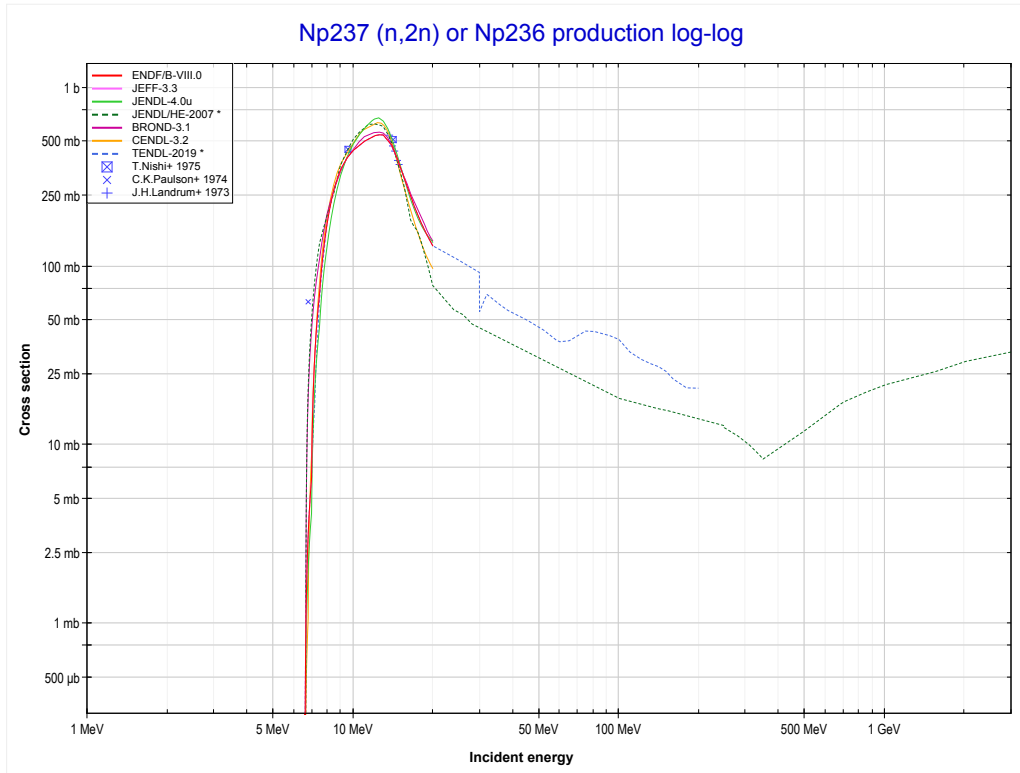
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 191.289 b | 191.289 b | 190.64 b | 0.99659 | 837.403 b | 7.56612 b | 5.70257 b |
| JEFF-3.3 | 191.289 b | 191.289 b | 190.64 b | 0.99659 | 837.403 b | 7.56612 b | 5.70257 b |
| JENDL-4.0u | 192.533 b | 192.533 b | 191.22 b | 0.9932 | 870.724 b | 7.60262 b | 5.74501 b |
| JENDL/HE-2007 | 175.775 b | 175.775 b | 174.94 b | 0.99527 | 831.39 b | 7.85414 b | 5.7724 b |
| BROND-3.1 | 190.269 b | 190.269 b | 190.56 b | 1.00153 | 799.526 b | 7.84875 b | 5.79125 b |
| CENDL-3.2 | 174.405 b | 174.405 b | 173.62 b | 0.99549 | 831.001 b | 7.59976 b | 5.7923 b |
| IRDFF-II | 191.285 b | 191.285 b | 190.62 b | 0.99651 | 836.928 b | 7.56741 b | 5.70798 b |
| TENDL-2019 | 193.062 b | 193.062 b | 193.11 b | 1.00027 | 814.943 b | 7.58879 b | 5.76209 b |

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|------------------|------------------------|----------------|
| << 92-U-238 | 93-Np-237 | 94-Pu-238 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



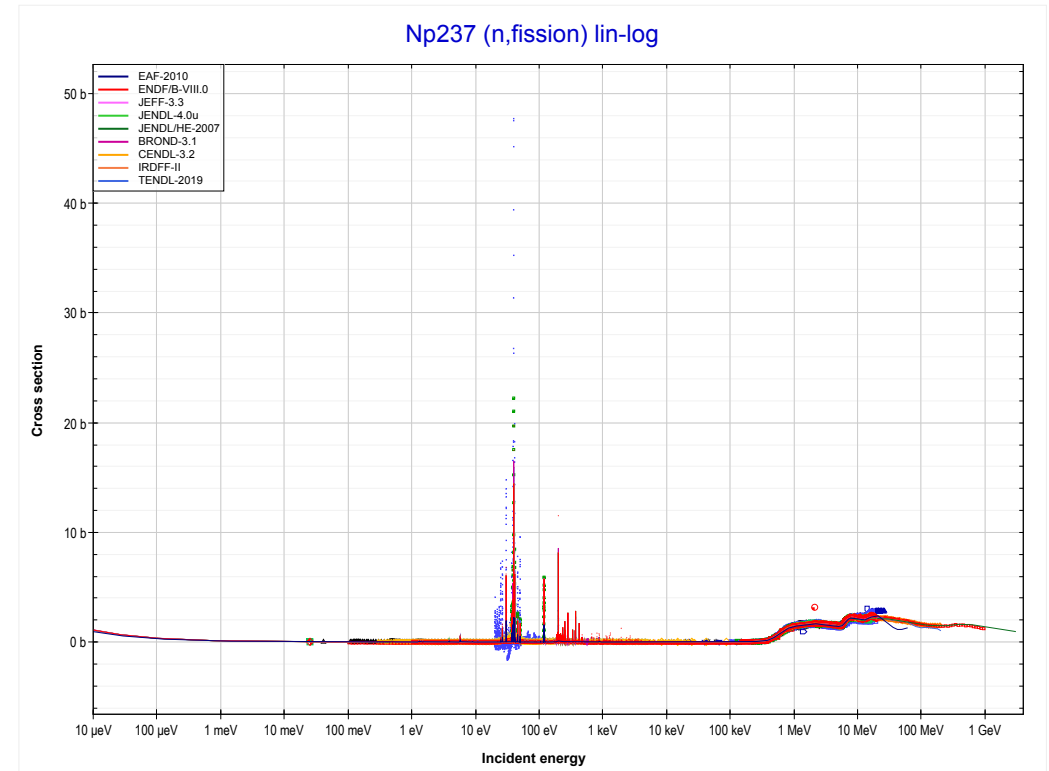
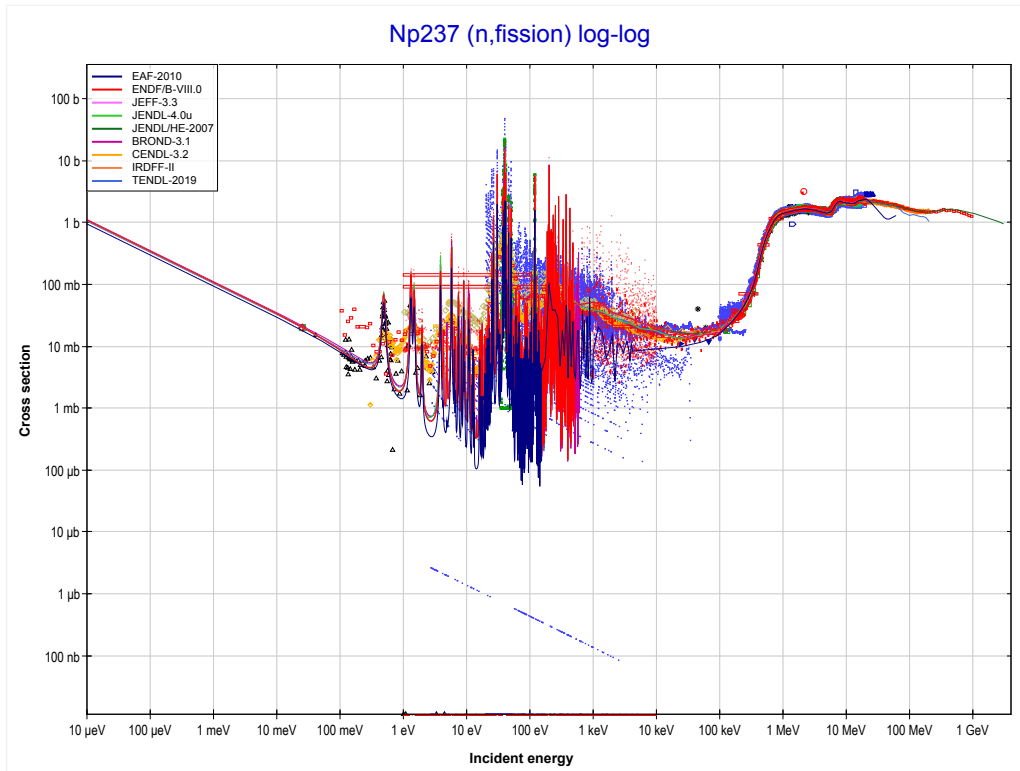
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 15.8714 b | 15.8714 b | 17.726 b | 1.11687 | 172.837 b | 4.31625 b | 2.65488 b |
| JEFF-3.3 | 15.8714 b | 15.8714 b | 17.726 b | 1.11687 | 172.837 b | 4.31625 b | 2.65488 b |
| JENDL-4.0u | 14.4668 b | 14.4668 b | 16.137 b | 1.11546 | 169.829 b | 4.59697 b | 2.75978 b |
| JENDL/HE-2007 | 14.0852 b | 14.0852 b | 15.728 b | 1.11663 | 169.639 b | 4.64995 b | 2.77311 b |
| BROND-3.1 | 14.1955 b | 14.1955 b | 15.812 b | 1.11388 | 150.119 b | 4.62658 b | 2.68845 b |
| CENDL-3.2 | 14.0543 b | 14.0543 b | 15.695 b | 1.11673 | 169.361 b | 4.48866 b | 2.70096 b |
| IRDFF-II | 15.8714 b | 15.8714 b | 17.732 b | 1.1172 | 172.844 b | 4.33907 b | 2.68302 b |
| TENDL-2019 | 14.2166 b | 14.2166 b | 15.846 b | 1.11465 | 158.708 b | 4.31732 b | 2.65488 b |

| | | |
|--------------------|--|---------------------|
| << 92-U-238 | 93-Np-237 | 94-Pu-239 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Np236 production) | MT18 (n,fission) >> |



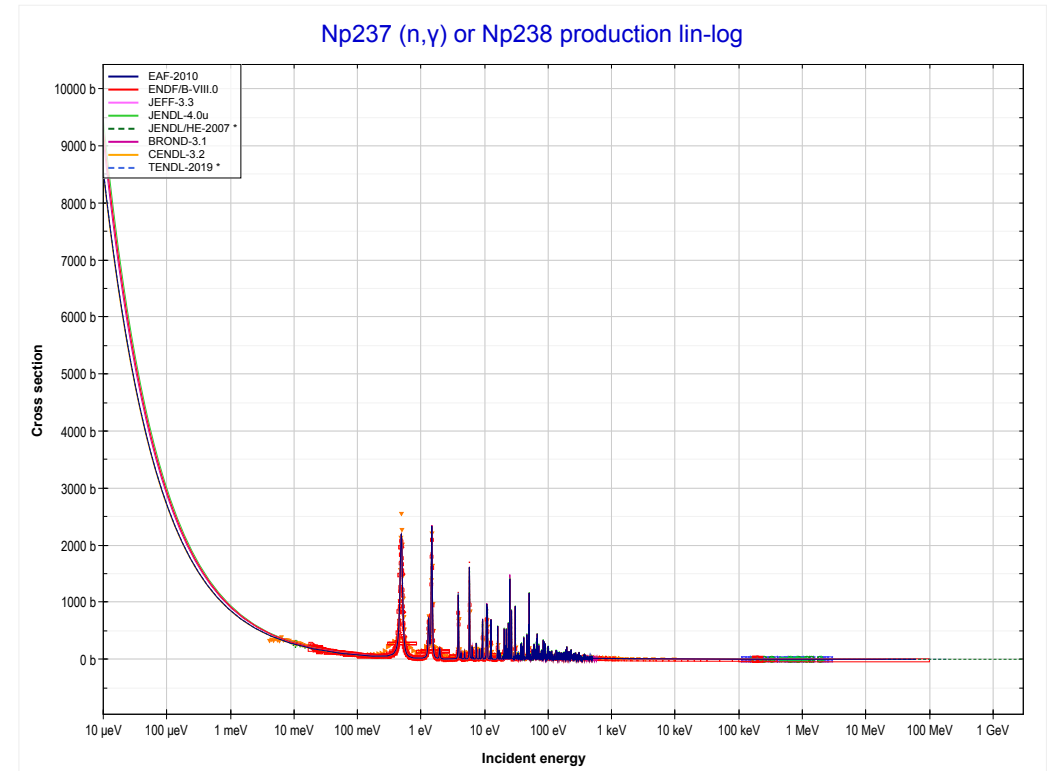
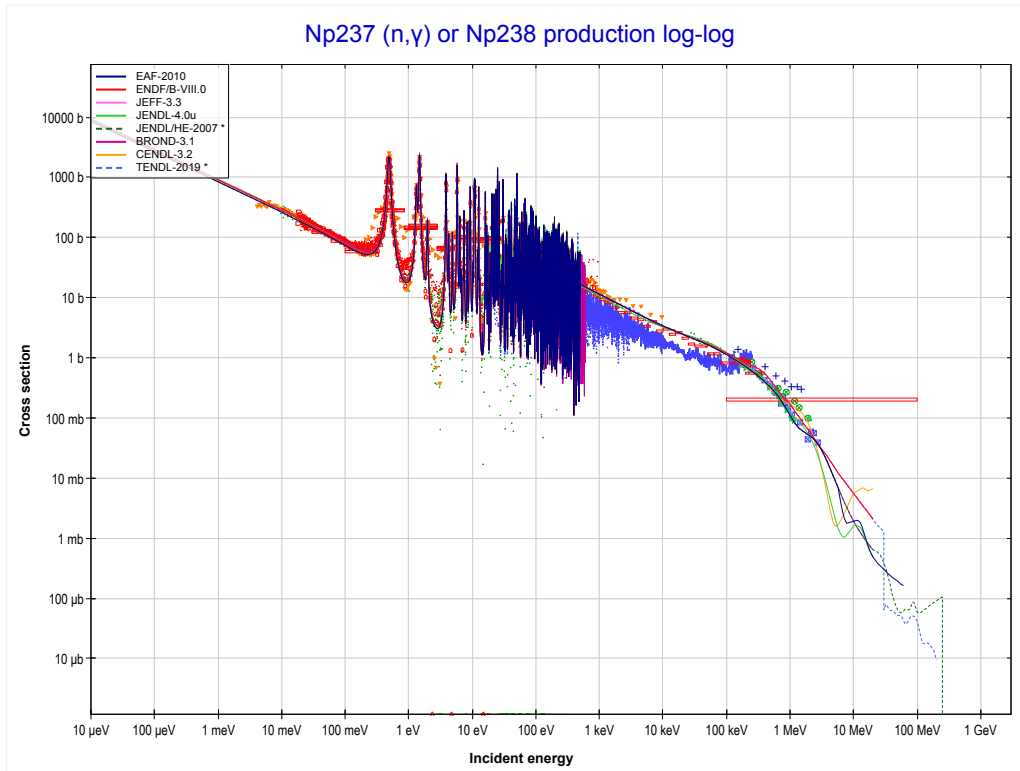
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00329493 b | 0.476985 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00329493 b | 0.476985 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00312111 b | 0.522441 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00399459 b | 0.492455 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00369303 b | 0.47097 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00361693 b | 0.50068 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00322725 b | 0.476985 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 93-Np-236 | 93-Np-237 | 93-Np-238 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT102 (n, γ) >> |



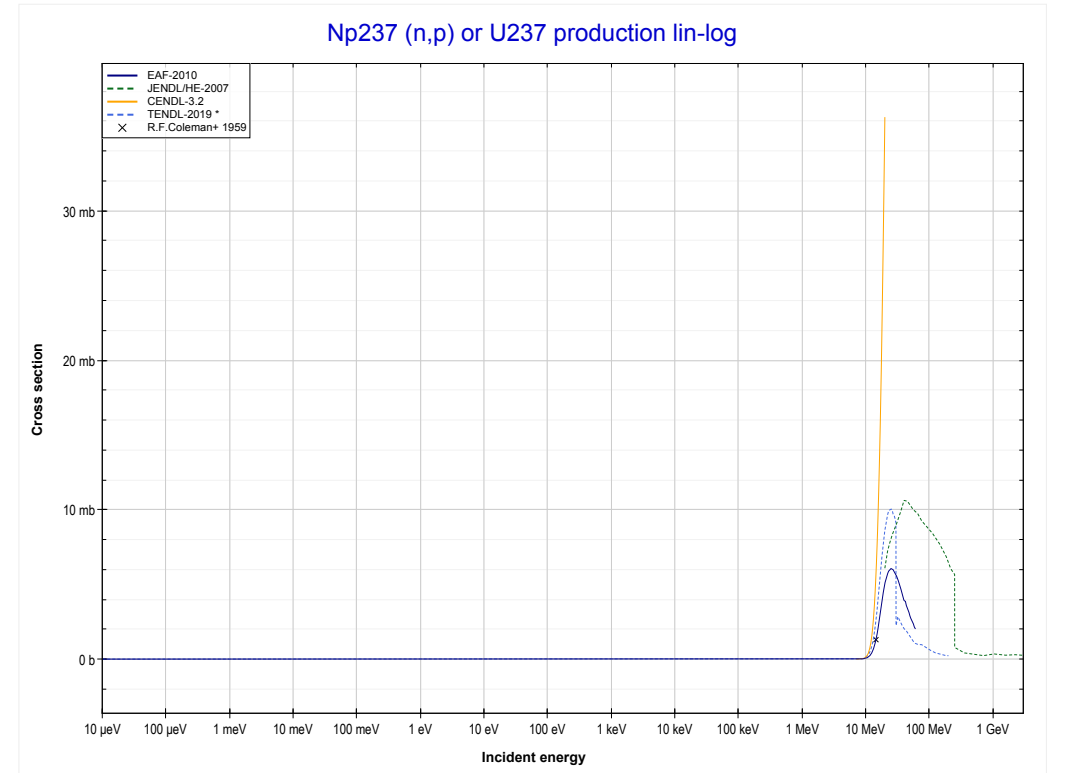
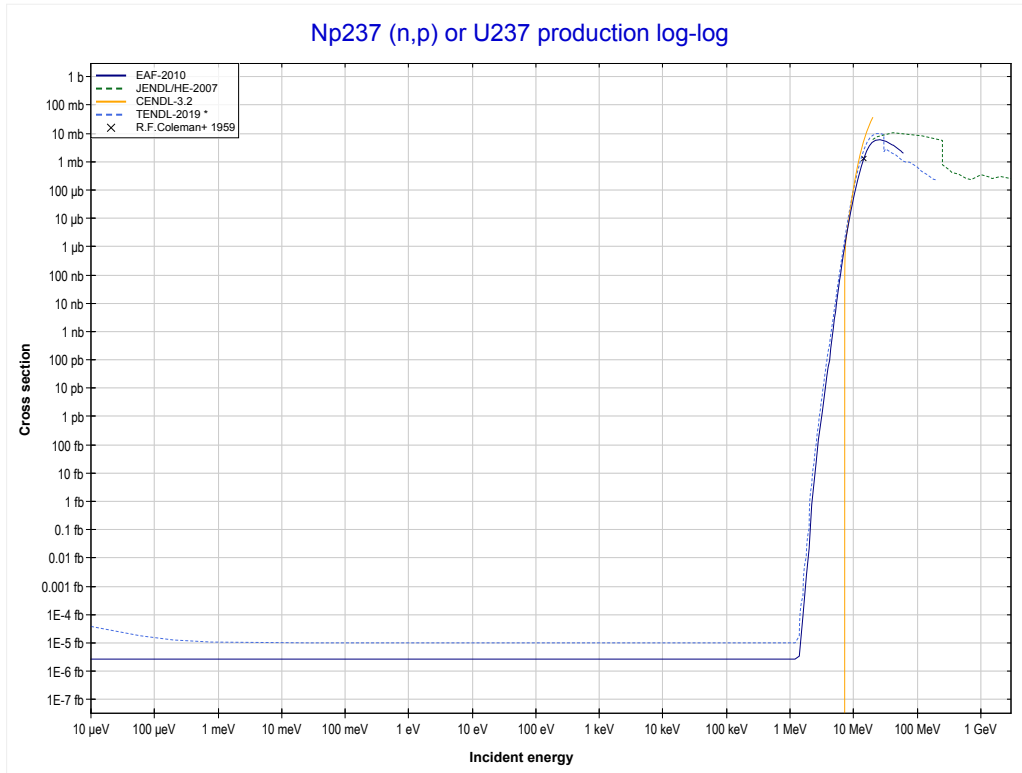
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0180314 b | 0.0180168 b | 0.017723 b | 0.98361 | 0.206569 b | 1.29015 b | 2.1112 b |
| ENDF/B-VIII.0 | 0.0203656 b | 0.0203656 b | 0.019879 b | 0.97609 | 0.634814 b | 1.33262 b | 2.13151 b |
| JEFF-3.3 | 0.0203656 b | 0.0203656 b | 0.019879 b | 0.97609 | 0.634814 b | 1.33262 b | 2.13151 b |
| JENDL-4.0u | 0.0201896 b | 0.0201896 b | 0.019721 b | 0.97678 | 0.619161 b | 1.32257 b | 2.14801 b |
| JENDL/HE-2007 | 0.0203616 b | 0.0203616 b | 0.019867 b | 0.97573 | 0.636697 b | 1.33619 b | 2.1559 b |
| BROND-3.1 | 0.0214659 b | 0.0214659 b | 0.021169 b | 0.98616 | 0.644635 b | 1.33298 b | 2.1592 b |
| CENDL-3.2 | 0.0201965 b | 0.0201965 b | 0.019706 b | 0.97573 | 0.635792 b | 1.34925 b | 2.119 b |
| IRDF-II | 0.020365 b | 0.020365 b | 0.019875 b | 0.97595 | 0.634591 b | 1.33441 b | 2.15778 b |
| TENDL-2019 | 0.0201202 b | 0.0201202 b | 0.019829 b | 0.9855 | 0.619117 b | 1.32278 b | 2.14801 b |

| | | |
|---------------------|--|----------------|
| << 93-Np-236 | 93-Np-237 | 93-Np-239 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Np238 production) | MT103 (n,p) >> |



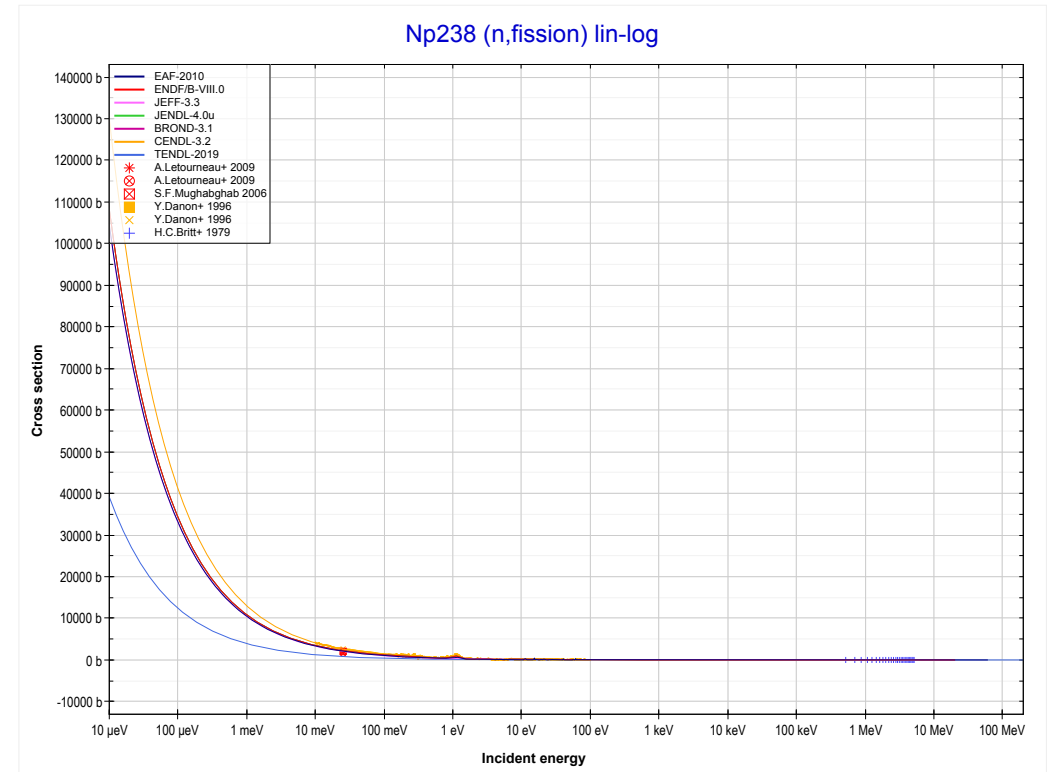
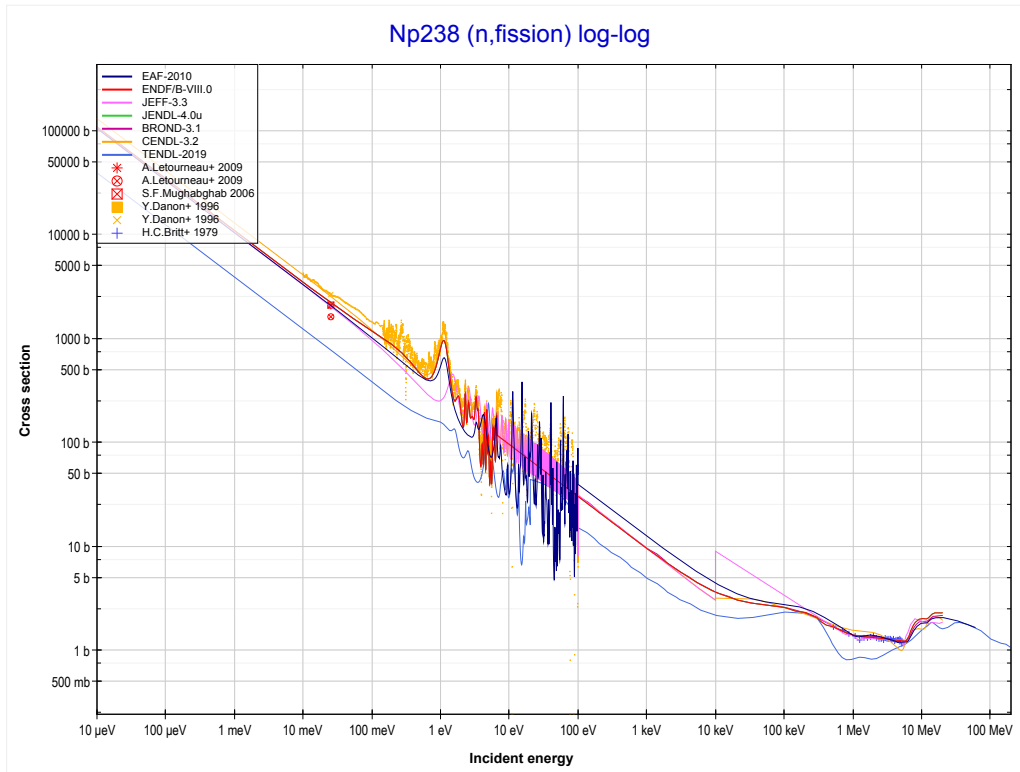
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 161.675 b | 161.545 b | 159.07 b | 0.98464 | 660.935 b | 0.158203 b | 0.0014252 b |
| ENDF/B-VIII.0 | 175.398 b | 175.398 b | 172.89 b | 0.98571 | 663.651 b | 0.195452 b | 0.0035 b |
| JEFF-3.3 | 175.398 b | 175.398 b | 172.89 b | 0.98571 | 663.651 b | 0.195452 b | 0.0035 b |
| JENDL-4.0u | 178.047 b | 178.047 b | 175.07 b | 0.98327 | 699.985 b | 0.161688 b | 0.00127263 b |
| JENDL/HE-2007 | 161.67 b | 161.67 b | 159.2 b | 0.9847 | 660.714 b | 0.158253 b | 0.00106754 b |
| BROND-3.1 | 176.053 b | 176.053 b | 174.73 b | 0.99247 | 648.384 b | 0.158343 b | 0.00106754 b |
| CENDL-3.2 | 160.33 b | 160.33 b | 157.9 b | 0.98486 | 660.714 b | 0.173408 b | 0.0068934 b |
| TENDL-2019 | 178.825 b | 178.825 b | 177.25 b | 0.99118 | 655.354 b | 0.197698 b | 0.00349999 b |

| | | |
|-------------------------|---|-------------------------------|
| << 92-U-238 | 93-Np-237 | 94-Pu-239 >> |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (U237 production) | 93-Np-238 MT18 (n,fission) >> |



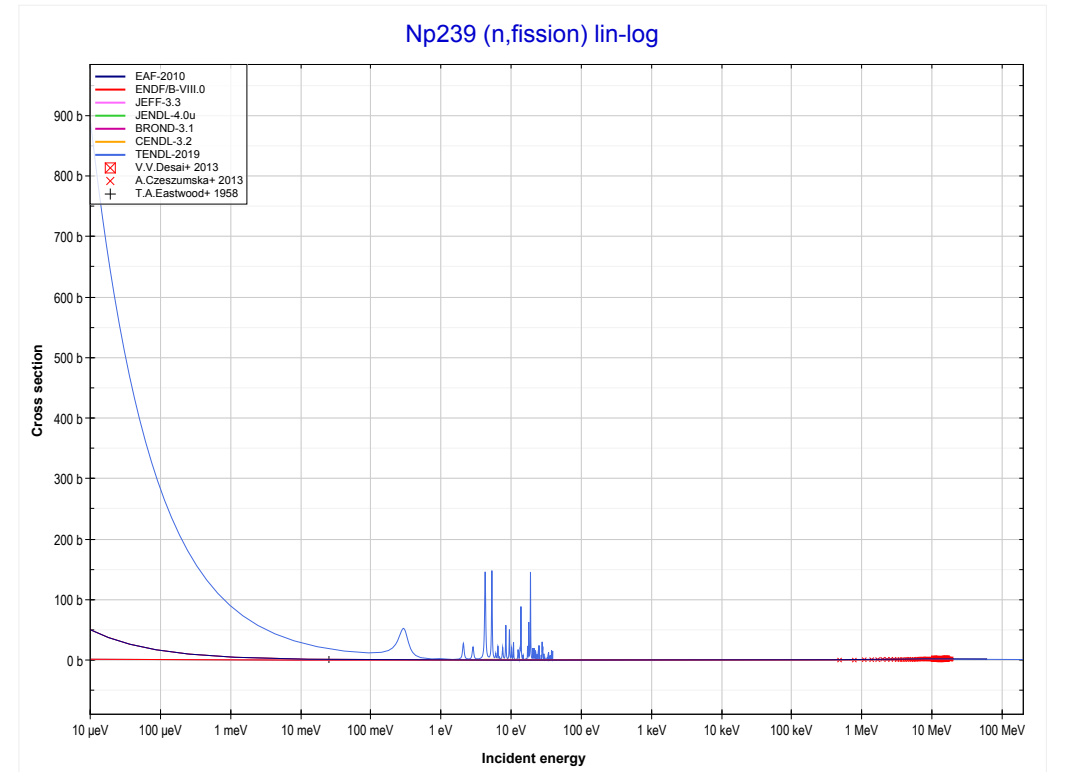
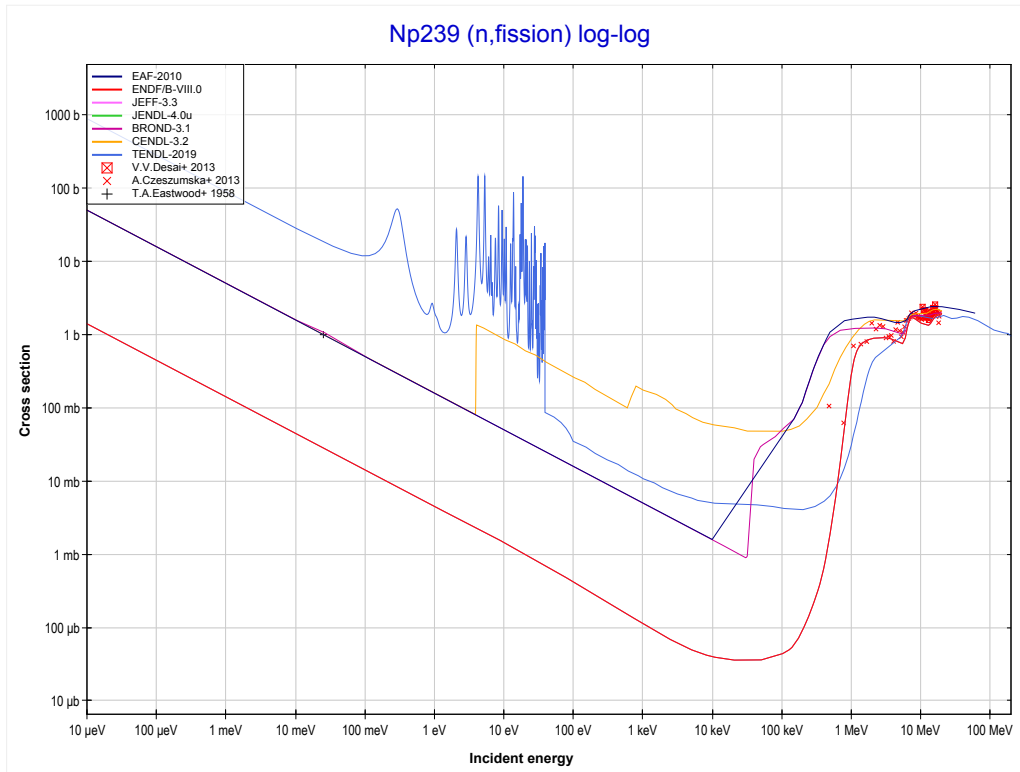
| Reaction | Q-Value |
|----------------|------------|
| Np237(n,p)U237 | 263.85 keV |

| | | |
|--------------------------|-------------------------|-------------------------------|
| << 93-Np-237 | 93-Np-238 | 93-Np-239 >> |
| << 93-Np-237 MT103 (n,p) | MT18 (n,fission) | 93-Np-239 MT18 (n,fission) >> |



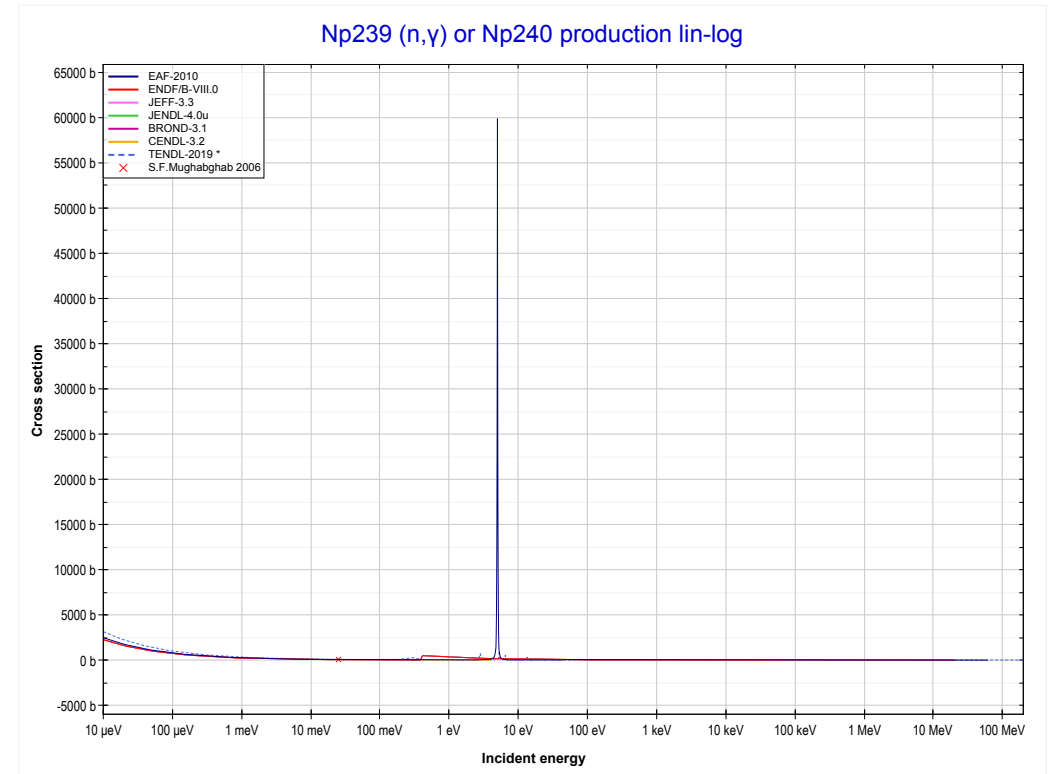
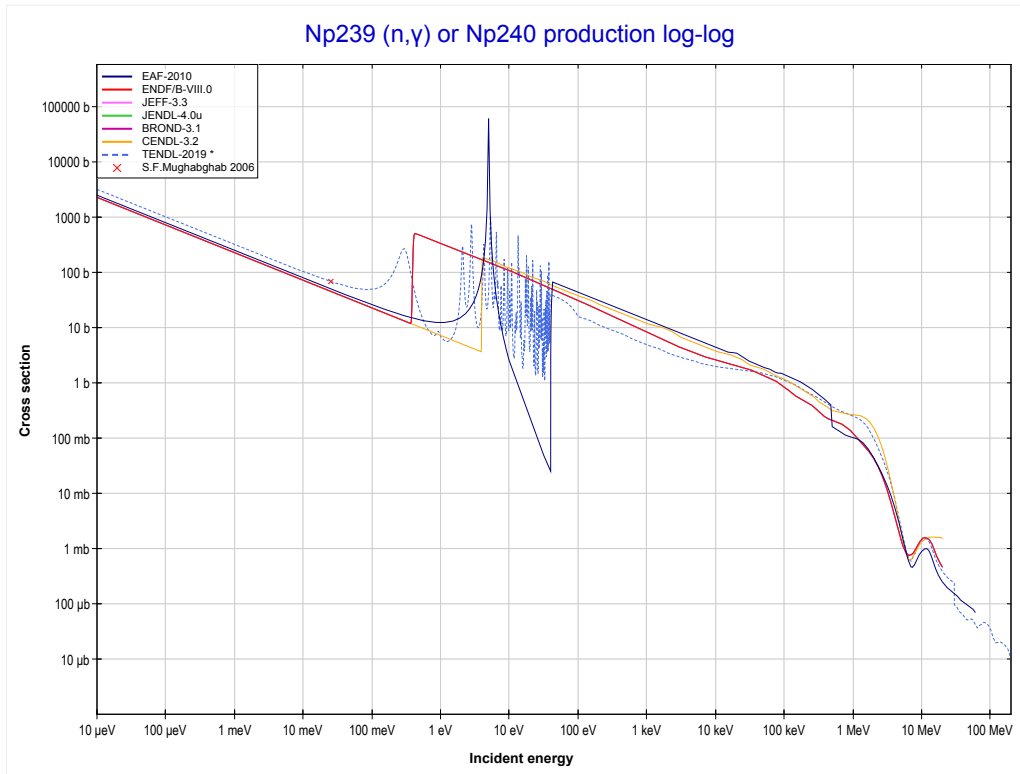
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2063.47 b | 2061.99 b | 2055.6 b | 0.99695 | 914.491 b | 1.51278 b | 1.99492 b |
| ENDF/B-VIII.0 | 2201.33 b | 2201.33 b | 2225.3 b | 1.01089 | 1091.45 b | 1.45975 b | 2.19967 b |
| JEFF-3.3 | 2026.96 b | 2026.96 b | 2008.7 b | 0.99101 | 910.511 b | 1.48738 b | 1.85 b |
| JENDL-4.0u | 2201.33 b | 2201.33 b | 2225.3 b | 1.01089 | 1091.45 b | 1.45975 b | 2.19967 b |
| BROND-3.1 | 2201.33 b | 2201.33 b | 2225.3 b | 1.01089 | 1094.84 b | 1.47569 b | 2.07 b |
| CENDL-3.2 | 2536.93 b | 2536.93 b | 2515.8 b | 0.99166 | 1252.4 b | 1.52549 b | 2.0456 b |
| TENDL-2019 | 771.912 b | 771.912 b | 769.43 b | 0.99679 | 416.38 b | 1.03719 b | 1.84838 b |

| | | |
|-------------------------------|-------------------------|-------------------------|
| << 93-Np-238 | 93-Np-239 | 93-Np-240 >> |
| << 93-Np-238 MT18 (n,fission) | MT18 (n,fission) | MT102 (n, γ) >> |



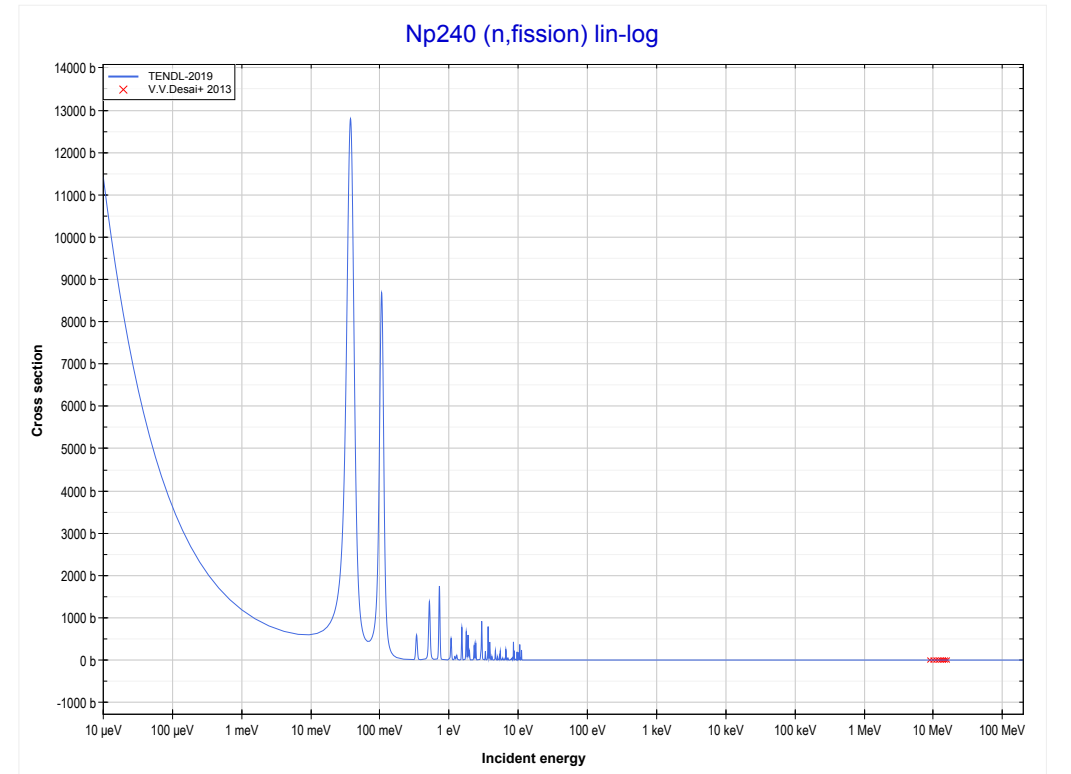
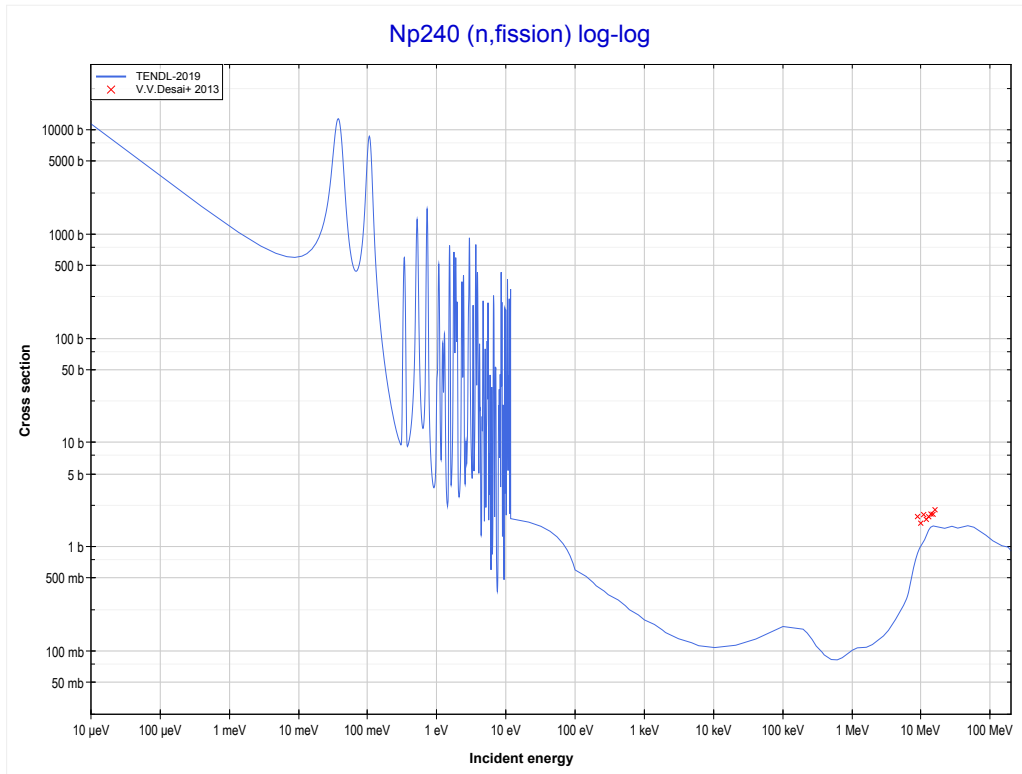
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1 b | 0.99925 b | 0.99926 b | 1.00001 | 0.474061 b | 1.44782 b | 2.42 b |
| ENDF/B-VIII.0 | 0.028009 b | 0.028009 b | 0.028053 b | 1.00156 | 0.0126632 b | 0.582101 b | 1.4355 b |
| JEFF-3.3 | 0.028009 b | 0.028009 b | 0.028053 b | 1.00156 | 0.0126632 b | 0.582101 b | 1.4355 b |
| JENDL-4.0u | 0.028009 b | 0.028009 b | 0.028053 b | 1.00156 | 0.0126632 b | 0.582101 b | 1.4355 b |
| BROND-3.1 | 1.08575 b | 1.08575 b | 1.0412 b | 0.95899 | 0.482213 b | 1.09155 b | 1.8619 b |
| CENDL-3.2 | 1.00003 b | 1.00003 b | 1.0001 b | 1.00006 | 3.2553 b | 1.11645 b | 2.1083 b |
| TENDL-2019 | 18.5622 b | 18.5622 b | 19.571 b | 1.05437 | 38.8152 b | 0.344057 b | 1.66921 b |

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|---------------------|--|-------------------------------|
| << 93-Np-237 | 93-Np-239 | 94-Pu-236 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Np240 production) | 93-Np-240 MT18 (n,fission) >> |



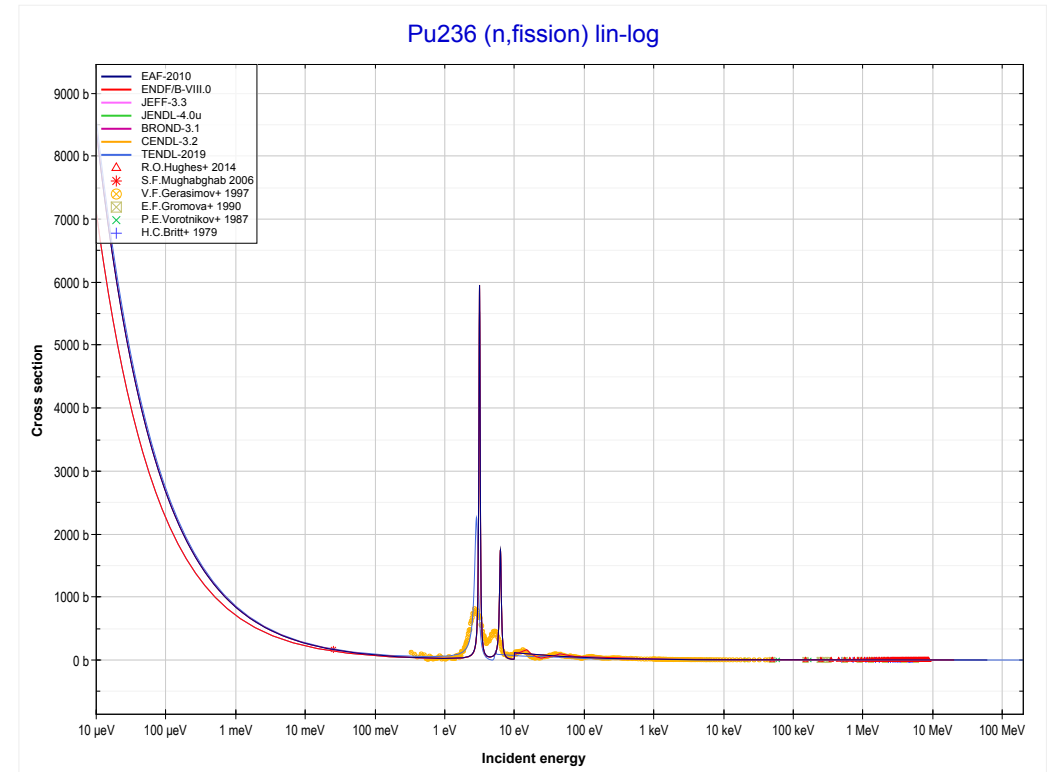
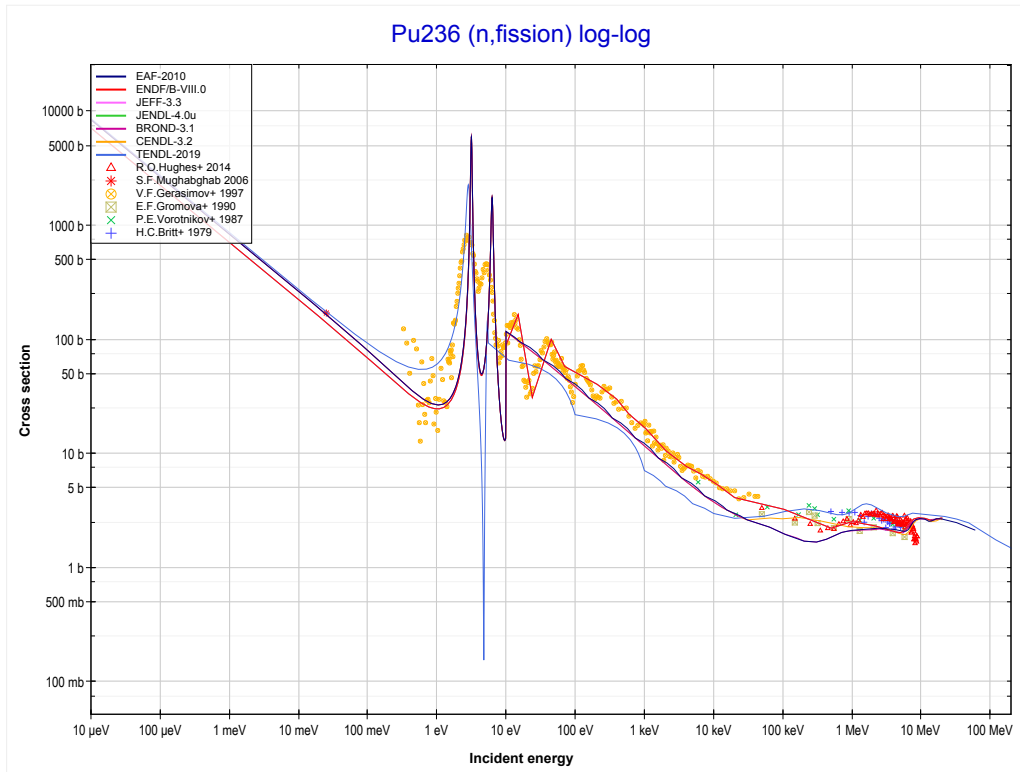
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 49.7469 b | 49.7102 b | 50.008 b | 1.00601 | 1846.16 b | 0.164669 b | 7.06755E-4 b |
| ENDF/B-VIII.0 | 45.0079 b | 45.0079 b | 45.017 b | 1.00021 | 931.65 b | 0.121035 b | 0.00125718 b |
| JEFF-3.3 | 45.0079 b | 45.0079 b | 45.017 b | 1.00021 | 931.65 b | 0.121035 b | 0.00125718 b |
| JENDL-4.0u | 45.0079 b | 45.0079 b | 45.017 b | 1.00021 | 931.65 b | 0.121035 b | 0.00125718 b |
| BROND-3.1 | 45.014 b | 45.014 b | 45.022 b | 1.00019 | 932.133 b | 0.121001 b | 0.00125718 b |
| CENDL-3.2 | 45.0015 b | 45.0015 b | 45.004 b | 1.00006 | 392.181 b | 0.228362 b | 0.0016265 b |
| TENDL-2019 | 67.7527 b | 67.7527 b | 73.487 b | 1.08464 | 272.973 b | 0.211048 b | 0.00105039 b |

| | | |
|-----------------------------------|-------------------------|-------------------------------|
| << 93-Np-239 | 93-Np-240 | 94-Pu-236 >> |
| << 93-Np-239 MT102 (n, γ) | MT18 (n,fission) | 94-Pu-236 MT18 (n,fission) >> |



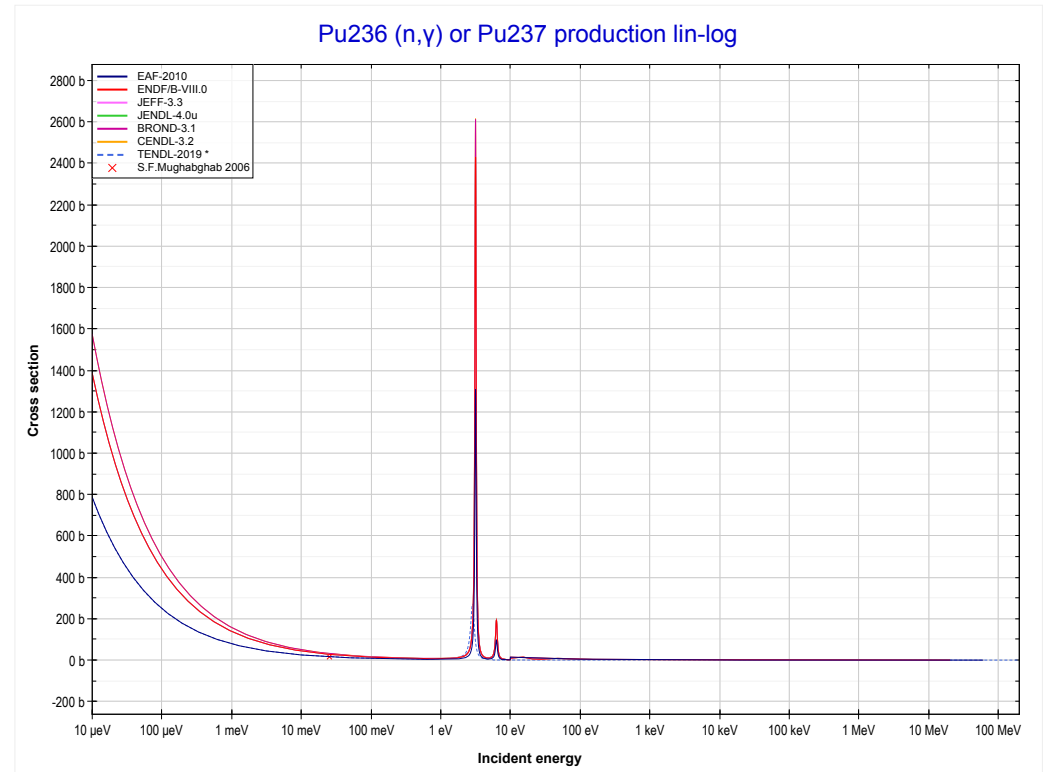
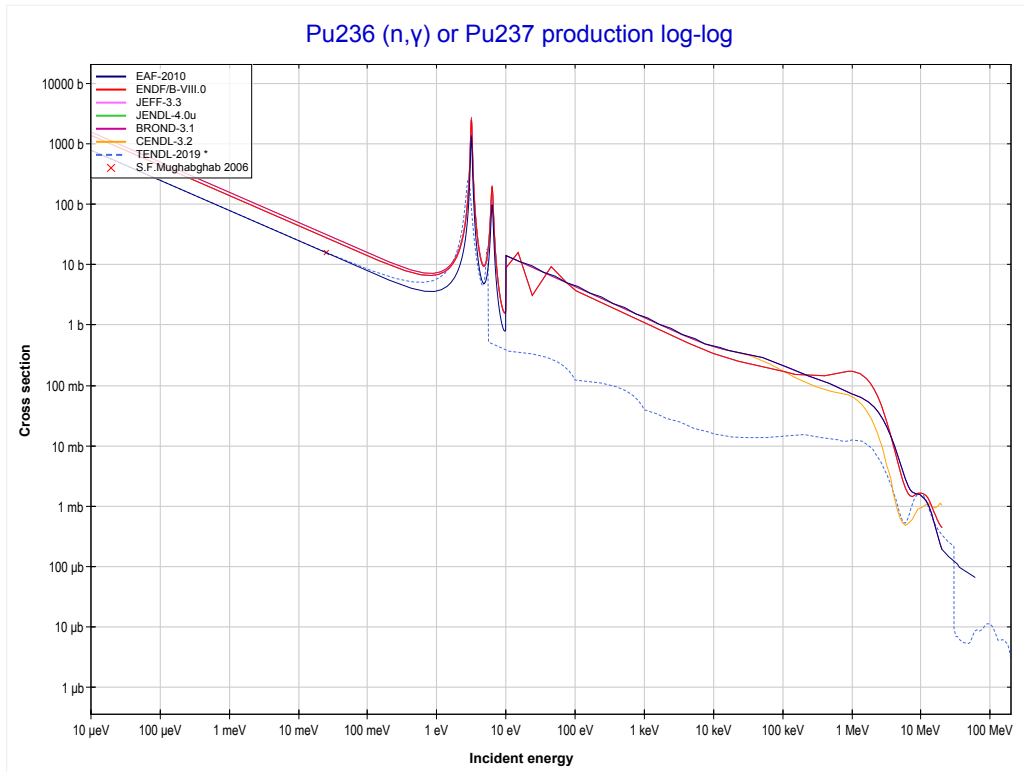
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 1668.56 b | 1668.56 b | 3300.4 b | 1.978 | 410.574 b | 0.139373 b | 1.55588 b |

| | | |
|-------------------------------|-------------------------|-------------------------|
| << 93-Np-240 | 94-Pu-236 | 94-Pu-237 >> |
| << 93-Np-240 MT18 (n,fission) | MT18 (n,fission) | MT102 (n, γ) >> |



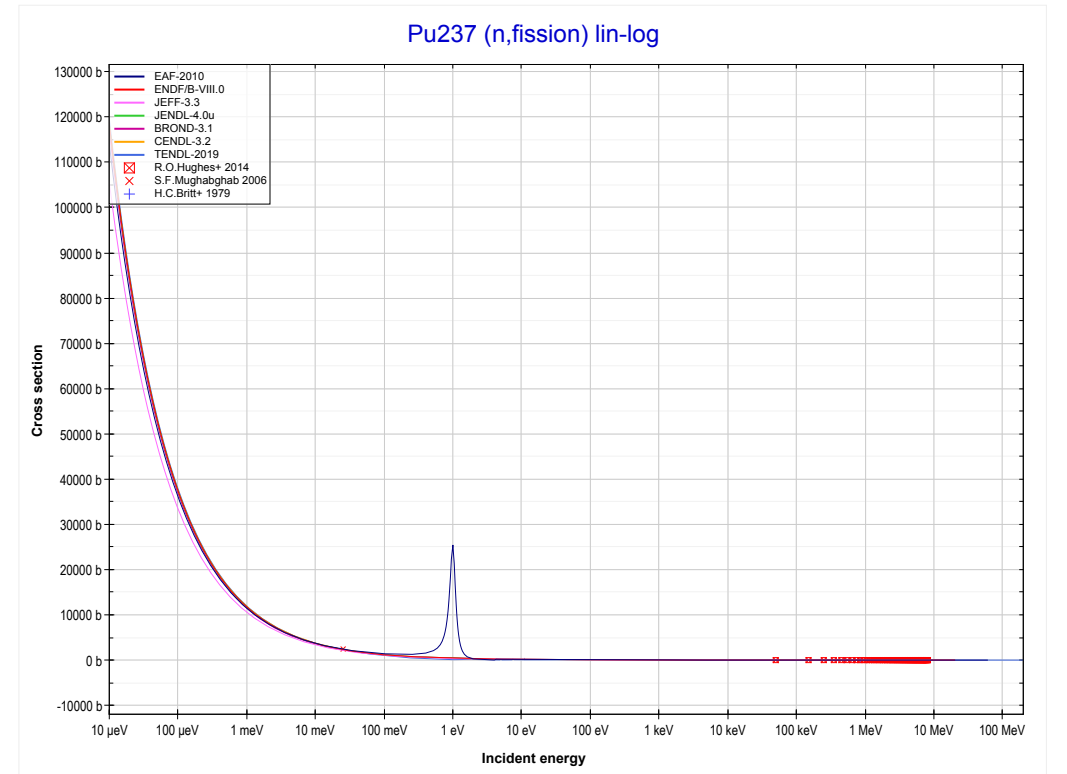
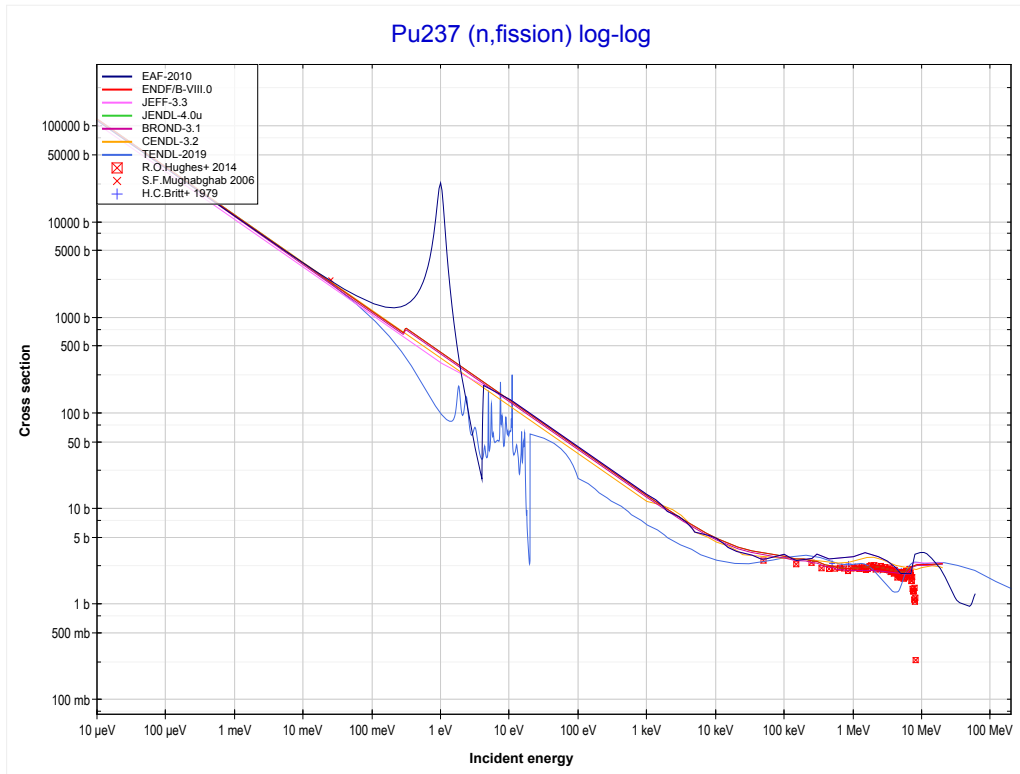
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 164.799 b | 164.675 b | 163.71 b | 0.99417 | 956.028 b | 2.10113 b | 2.54773 b |
| ENDF/B-VIII.0 | 139.934 b | 139.934 b | 139.38 b | 0.99606 | 960.335 b | 2.36348 b | 2.57728 b |
| JEFF-3.3 | 139.934 b | 139.934 b | 139.38 b | 0.99606 | 960.335 b | 2.36348 b | 2.57728 b |
| JENDL-4.0u | 139.934 b | 139.934 b | 139.38 b | 0.99606 | 960.335 b | 2.36348 b | 2.57728 b |
| BROND-3.1 | 164.824 b | 164.824 b | 163.93 b | 0.99457 | 949.507 b | 2.07493 b | 2.6307 b |
| CENDL-3.2 | 164.795 b | 164.795 b | 163.83 b | 0.99417 | 948.97 b | 2.27208 b | 2.5174 b |
| TENDL-2019 | 173.756 b | 173.756 b | 175.28 b | 1.00875 | 794.816 b | 3.16838 b | 2.89332 b |

| | | |
|---------------------|--|-------------------------------|
| << 93-Np-239 | 94-Pu-236 | 94-Pu-238 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu237 production) | 94-Pu-237 MT18 (n,fission) >> |



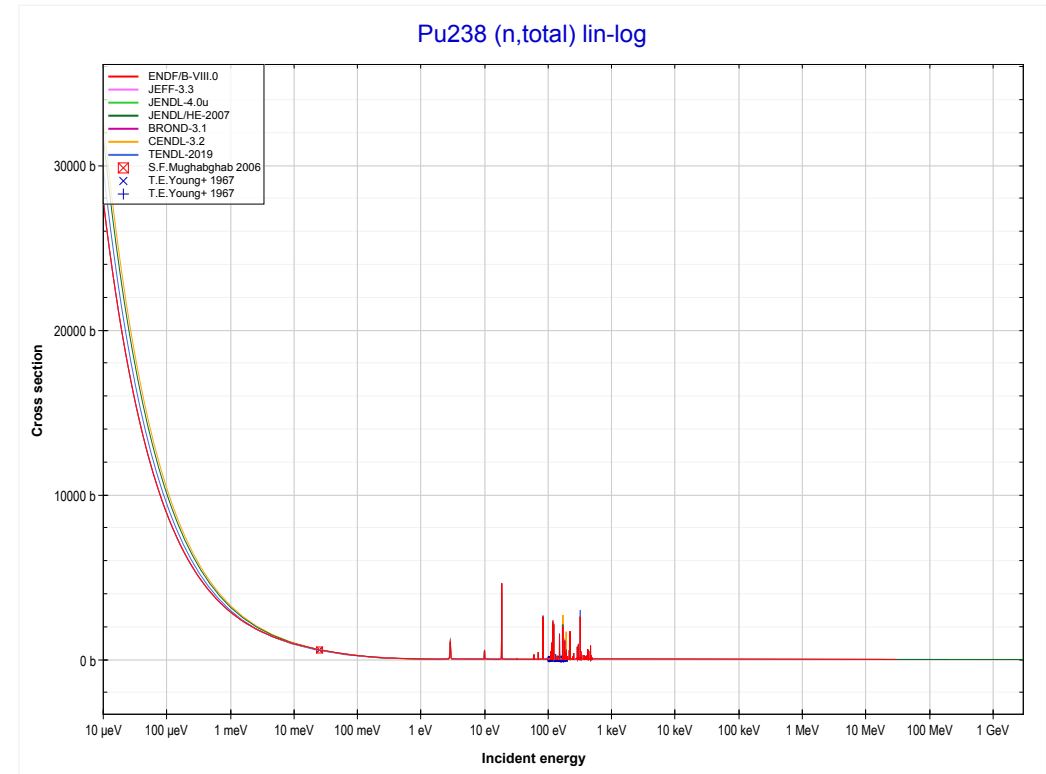
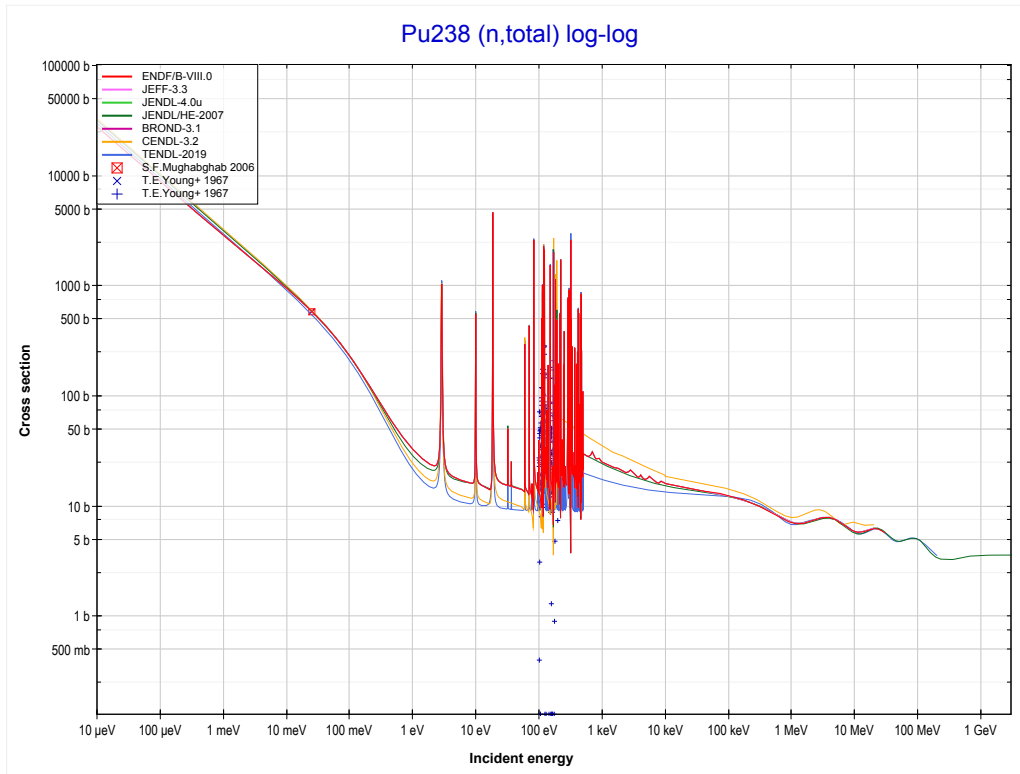
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15.6119 b | 15.6005 b | 15.603 b | 1.0002 | 147.862 b | 0.0621855 b | 8.0618E-4 b |
| ENDF/B-VIII.0 | 27.555 b | 27.555 b | 27.602 b | 1.00171 | 247.592 b | 0.105276 b | 0.00105568 b |
| JEFF-3.3 | 27.555 b | 27.555 b | 27.602 b | 1.00171 | 247.592 b | 0.105276 b | 0.00105568 b |
| JENDL-4.0u | 27.555 b | 27.555 b | 27.602 b | 1.00171 | 247.592 b | 0.105276 b | 0.00105568 b |
| BROND-3.1 | 31.2285 b | 31.2285 b | 31.246 b | 1.00056 | 266.615 b | 0.0621852 b | 8.0618E-4 b |
| CENDL-3.2 | 31.2231 b | 31.2231 b | 31.228 b | 1.00017 | 266.391 b | 0.0454994 b | 0.0010488 b |
| TENDL-2019 | 15.8623 b | 15.8623 b | 16.009 b | 1.00926 | 68.9035 b | 0.00890381 b | 7.24623E-4 b |

| | | |
|-----------------------------------|-------------------------|----------------------------|
| << 94-Pu-236 | 94-Pu-237 | 94-Pu-238 >> |
| << 94-Pu-236 MT102 (n, γ) | MT18 (n,fission) | 94-Pu-238 MT1 (n,total) >> |



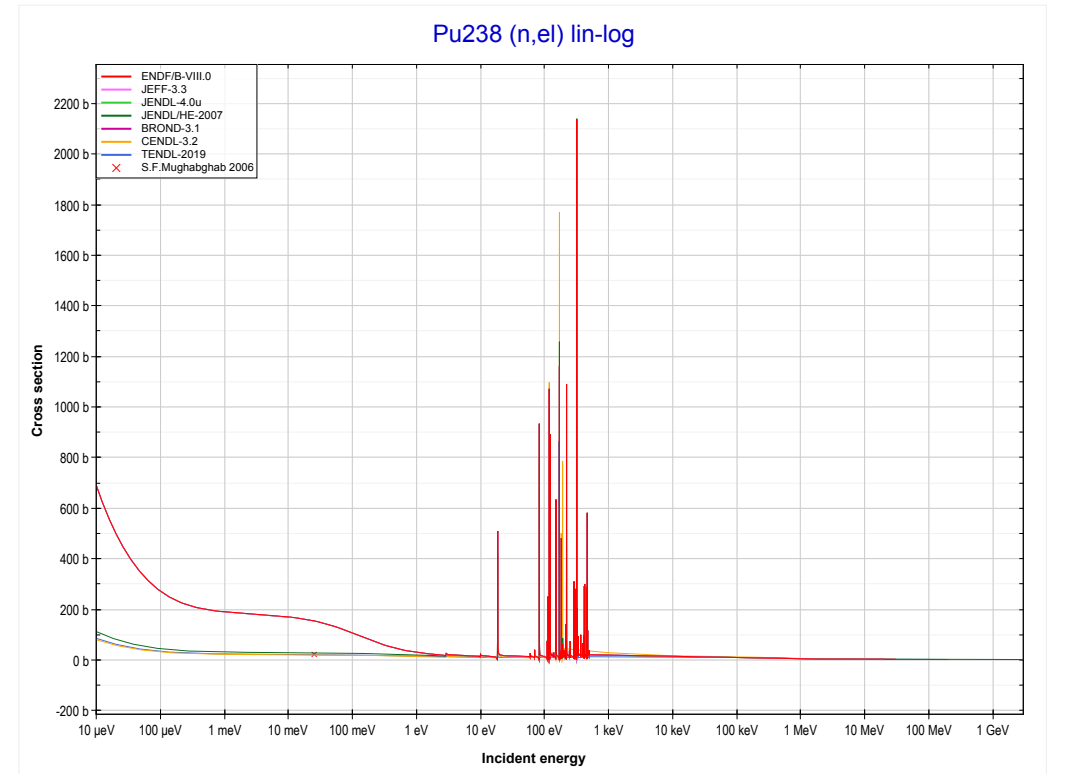
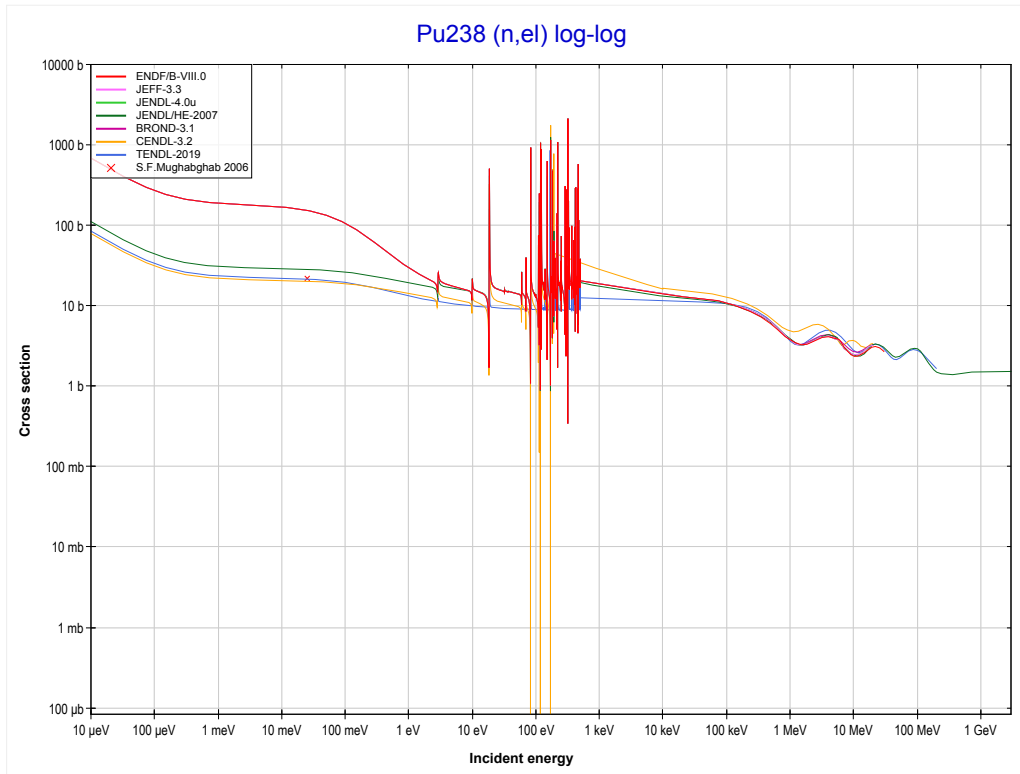
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2397.16 b | 2395.5 b | 2463.9 b | 1.02861 | 9289.08 b | 3.01593 b | 3.01153 b |
| ENDF/B-VIII.0 | 2295.08 b | 2295.08 b | 2301.7 b | 1.0029 | 1219.89 b | 2.43624 b | 2.59829 b |
| JEFF-3.3 | 2100.52 b | 2100.52 b | 2101.4 b | 1.00043 | 1070.16 b | 3.00948 b | 2.6932 b |
| JENDL-4.0u | 2295.08 b | 2295.08 b | 2301.7 b | 1.0029 | 1219.89 b | 2.43624 b | 2.59829 b |
| BROND-3.1 | 2204.17 b | 2204.17 b | 2214.1 b | 1.00452 | 1169.86 b | 2.2878 b | 2.55433 b |
| CENDL-3.2 | 2357.08 b | 2357.08 b | 2357.2 b | 1.00006 | 1064.02 b | 2.83248 b | 2.5141 b |
| TENDL-2019 | 2260.4 b | 2260.4 b | 2209.1 b | 0.97729 | 431.372 b | 2.32182 b | 2.70123 b |

| | | |
|-------------------------------|----------------------|--------------------|
| << 93-Np-237 | 94-Pu-238 | 94-Pu-239 >> |
| << 94-Pu-237 MT18 (n,fission) | MT1 (n,total) | MT2 (n,elastic) >> |



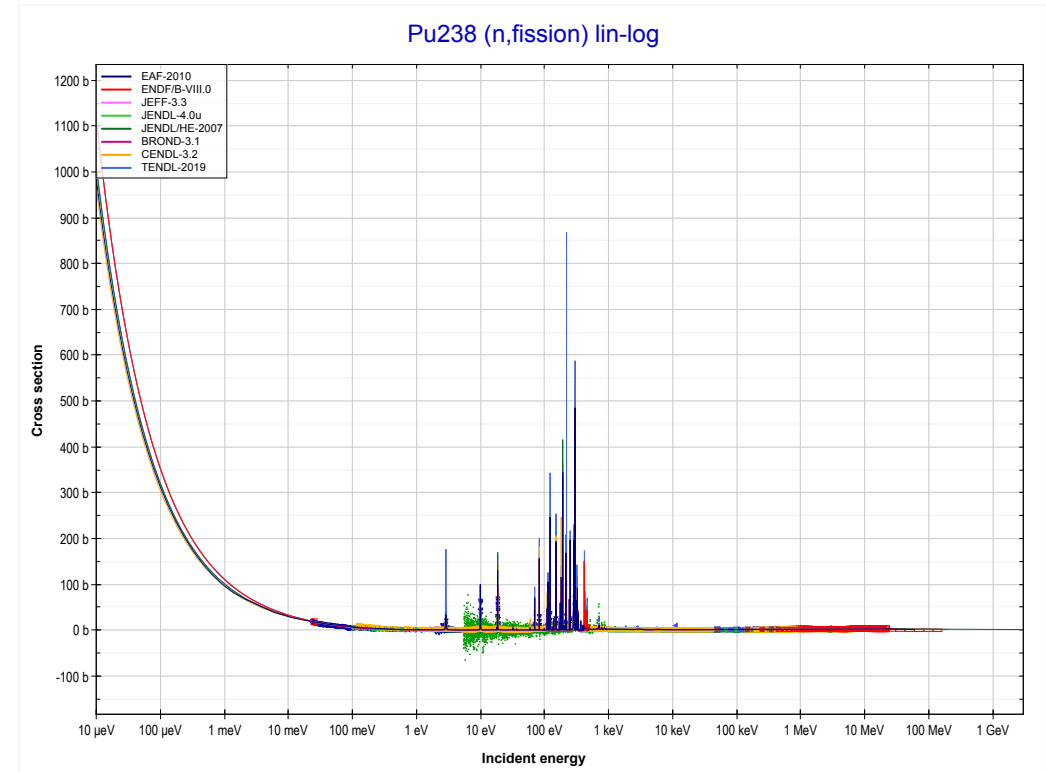
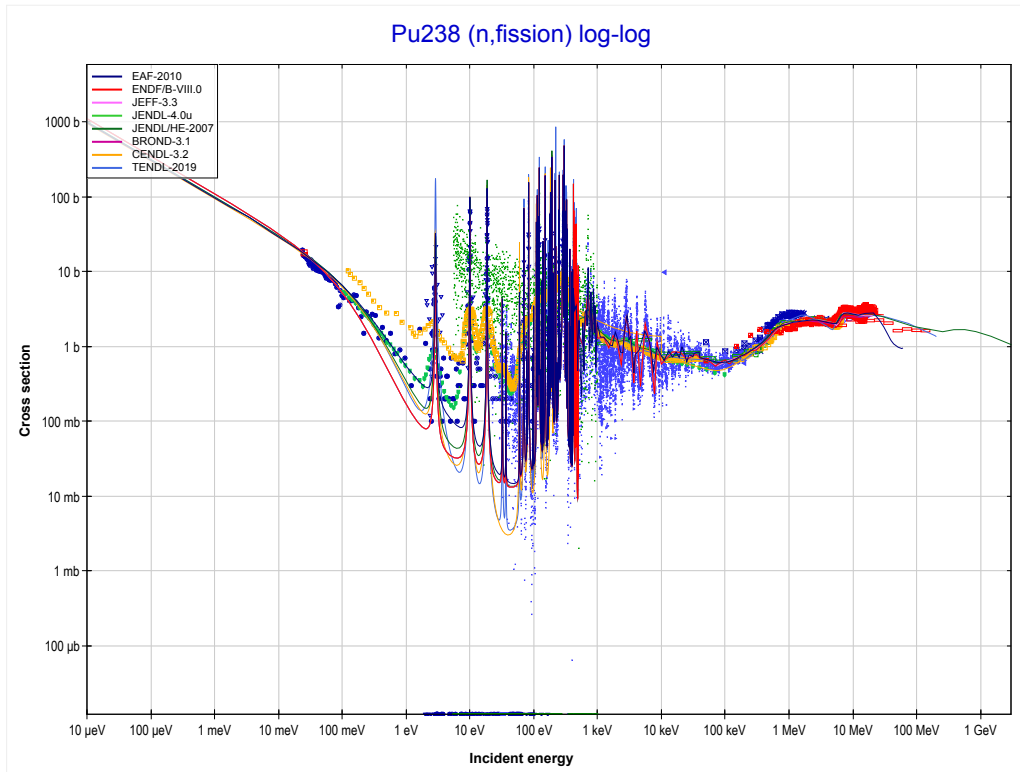
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 585.138 b | 585.138 b | 559.6 b | 0.95636 | 418.777 b | 7.81829 b | 5.86069 b |
| JEFF-3.3 | 585.138 b | 585.138 b | 559.6 b | 0.95636 | 418.63 b | 7.87051 b | 5.92123 b |
| JENDL-4.0u | 585.138 b | 585.138 b | 559.6 b | 0.95636 | 418.63 b | 7.87051 b | 5.92123 b |
| JENDL/HE-2007 | 586.42 b | 586.42 b | 564.94 b | 0.96337 | 403.514 b | 7.77294 b | 5.6811 b |
| BROND-3.1 | 585.138 b | 585.138 b | 559.6 b | 0.95636 | 418.689 b | 7.87159 b | 5.92754 b |
| CENDL-3.2 | 598.085 b | 598.085 b | 575.15 b | 0.96166 | 411.192 b | 8.89726 b | 6.71853 b |
| TENDL-2019 | 545.096 b | 545.096 b | 524.19 b | 0.96164 | 342.167 b | 7.86137 b | 5.65688 b |

| | | |
|------------------|------------------------|---------------------|
| << 93-Np-237 | 94-Pu-238 | 94-Pu-239 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



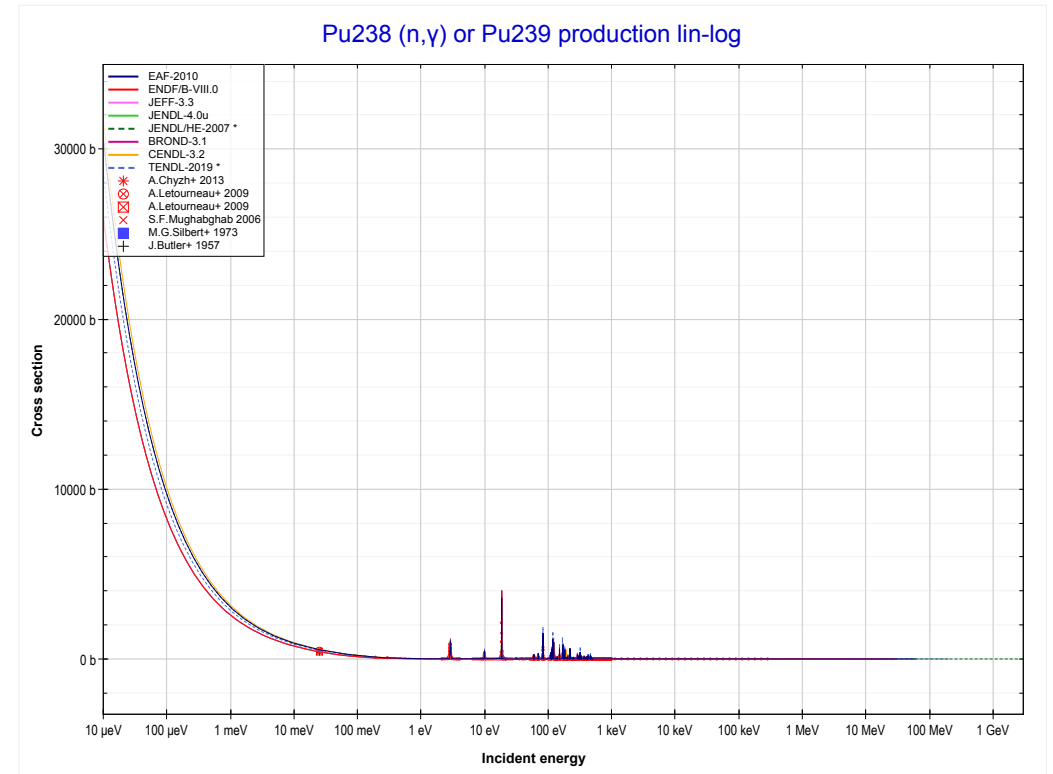
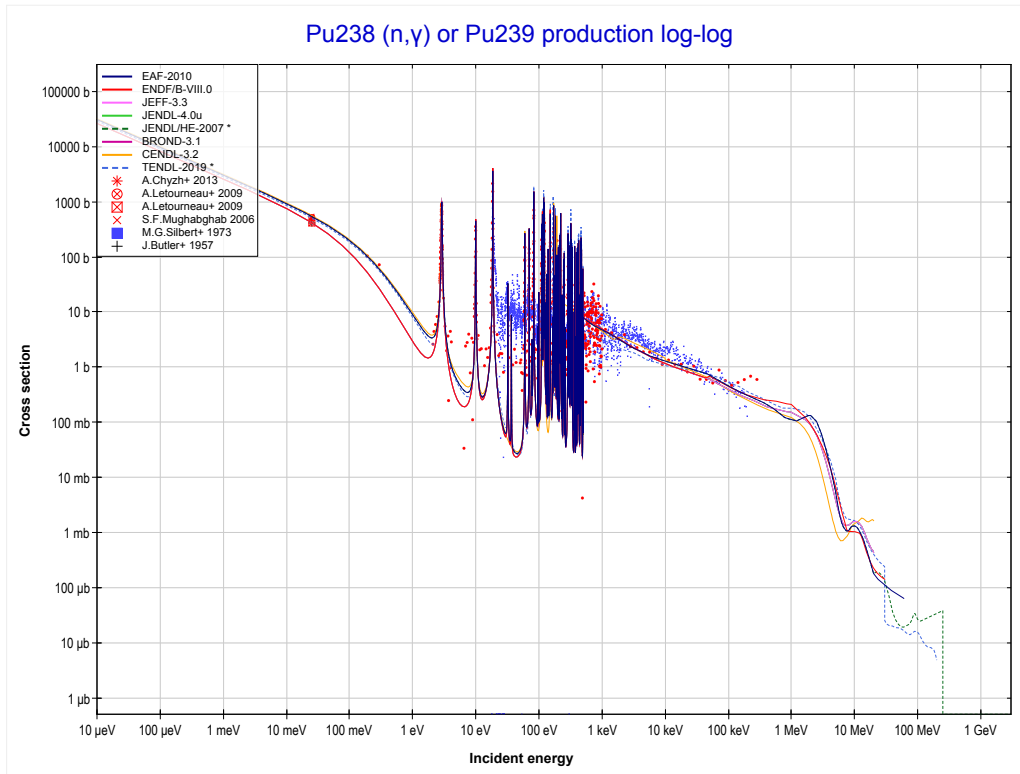
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 154.561 b | 154.561 b | 156.19 b | 1.01056 | 252.994 b | 4.44328 b | 2.55014 b |
| JEFF-3.3 | 154.561 b | 154.561 b | 156.19 b | 1.01056 | 252.975 b | 4.52327 b | 2.66767 b |
| JENDL-4.0u | 154.561 b | 154.561 b | 156.19 b | 1.01056 | 252.975 b | 4.52327 b | 2.66767 b |
| JENDL/HE-2007 | 28.5778 b | 28.5778 b | 31.465 b | 1.10105 | 229.191 b | 4.55417 b | 2.45466 b |
| BROND-3.1 | 154.561 b | 154.561 b | 156.19 b | 1.01056 | 253.039 b | 4.60812 b | 2.83767 b |
| CENDL-3.2 | 20.3468 b | 20.3468 b | 22.457 b | 1.1037 | 238.861 b | 5.88033 b | 3.08534 b |
| TENDL-2019 | 21.6075 b | 21.6075 b | 23.648 b | 1.09445 | 159.706 b | 4.81344 b | 2.72329 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 94-Pu-237 | 94-Pu-238 | 94-Pu-239 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



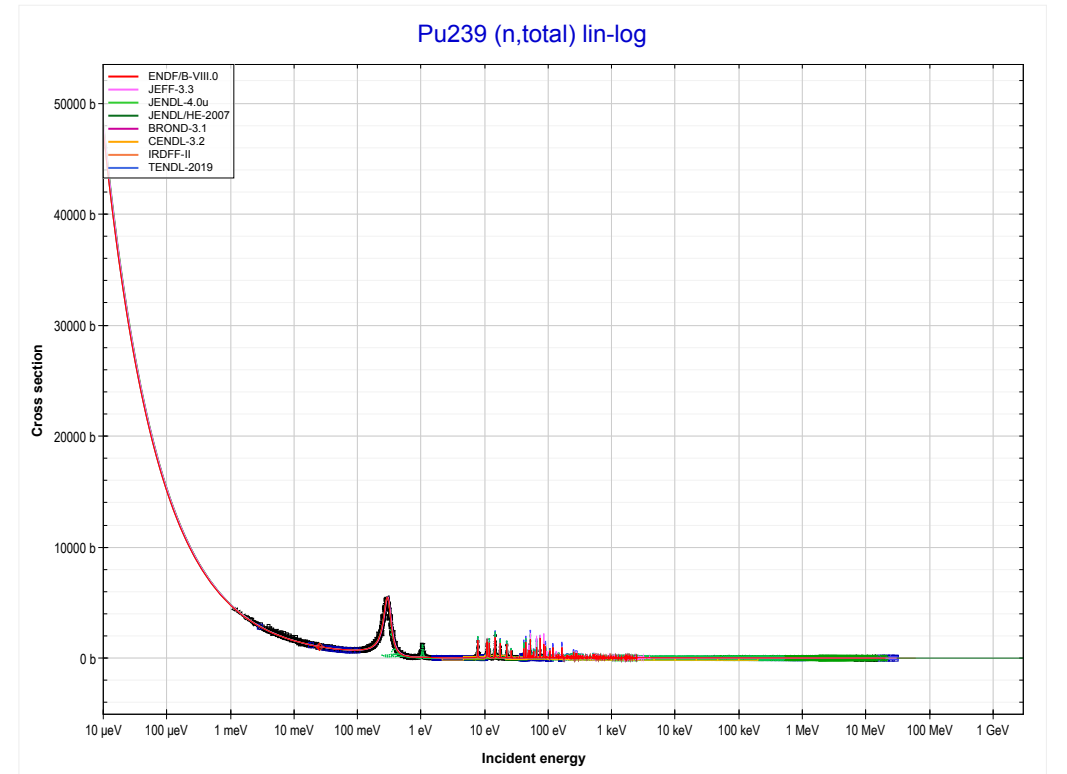
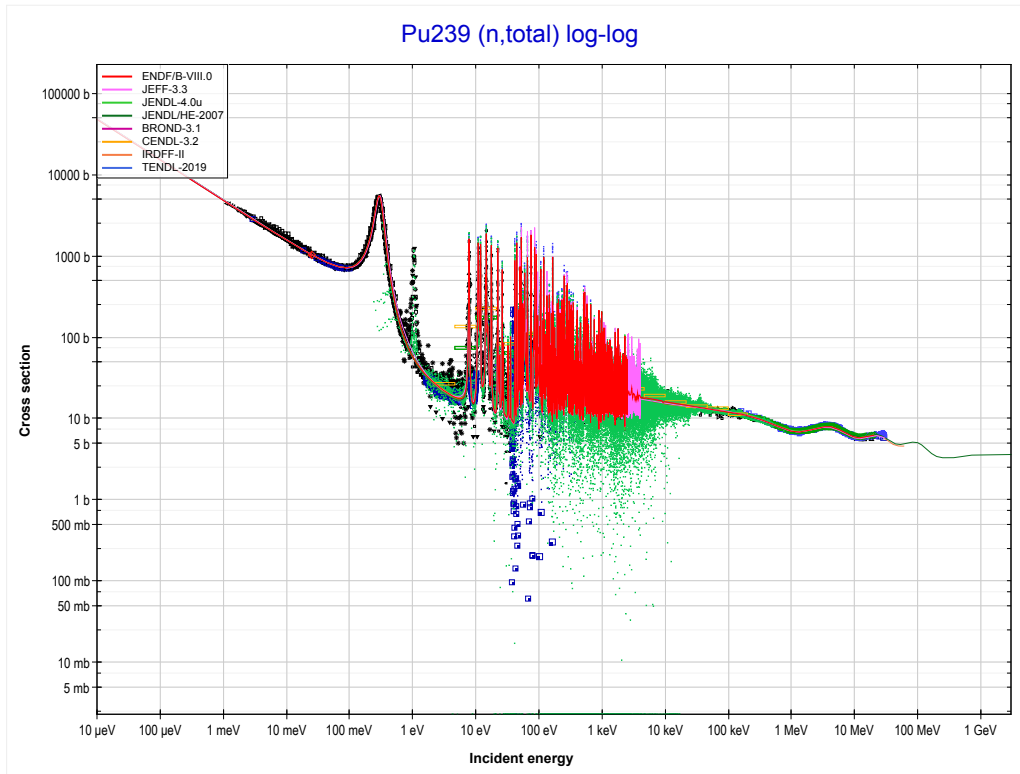
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 17.2849 b | 17.2679 b | 16.623 b | 0.96241 | 22.7045 b | 1.96775 b | 2.702 b |
| ENDF/B-VIII.0 | 17.7658 b | 17.7658 b | 16.664 b | 0.93797 | 19.9265 b | 1.9345 b | 2.74063 b |
| JEFF-3.3 | 17.7658 b | 17.7658 b | 16.664 b | 0.93797 | 19.9186 b | 1.95636 b | 2.6 b |
| JENDL-4.0u | 17.7658 b | 17.7658 b | 16.664 b | 0.93797 | 19.9186 b | 1.95636 b | 2.6 b |
| JENDL/HE-2007 | 17.8786 b | 17.8786 b | 17.112 b | 0.95715 | 22.6042 b | 1.98368 b | 2.7217 b |
| BROND-3.1 | 17.7658 b | 17.7658 b | 16.664 b | 0.93797 | 19.9132 b | 1.90797 b | 2.46184 b |
| CENDL-3.2 | 17.0012 b | 17.0012 b | 16.267 b | 0.95679 | 20.7441 b | 1.96623 b | 2.73502 b |
| TENDL-2019 | 17.8263 b | 17.8263 b | 17.039 b | 0.95582 | 30.822 b | 2.04739 b | 2.54173 b |

| | | |
|---------------------|--|----------------------------|
| << 94-Pu-236 | 94-Pu-238 | 94-Pu-239 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu239 production) | 94-Pu-239 MT1 (n,total) >> |



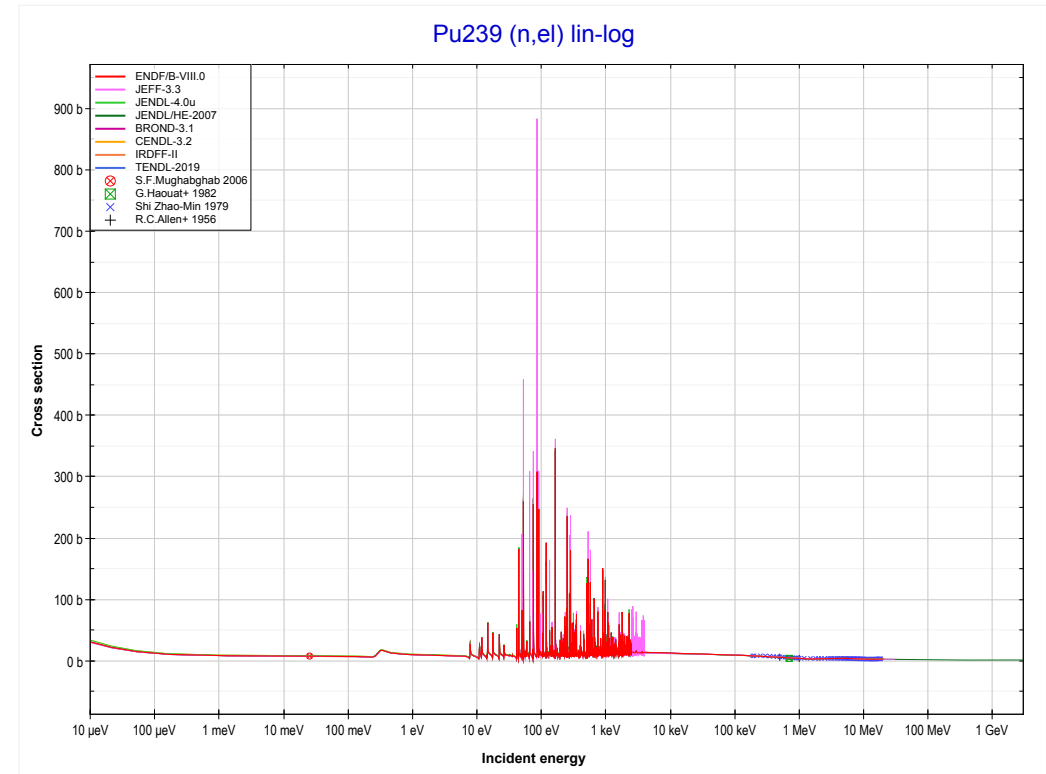
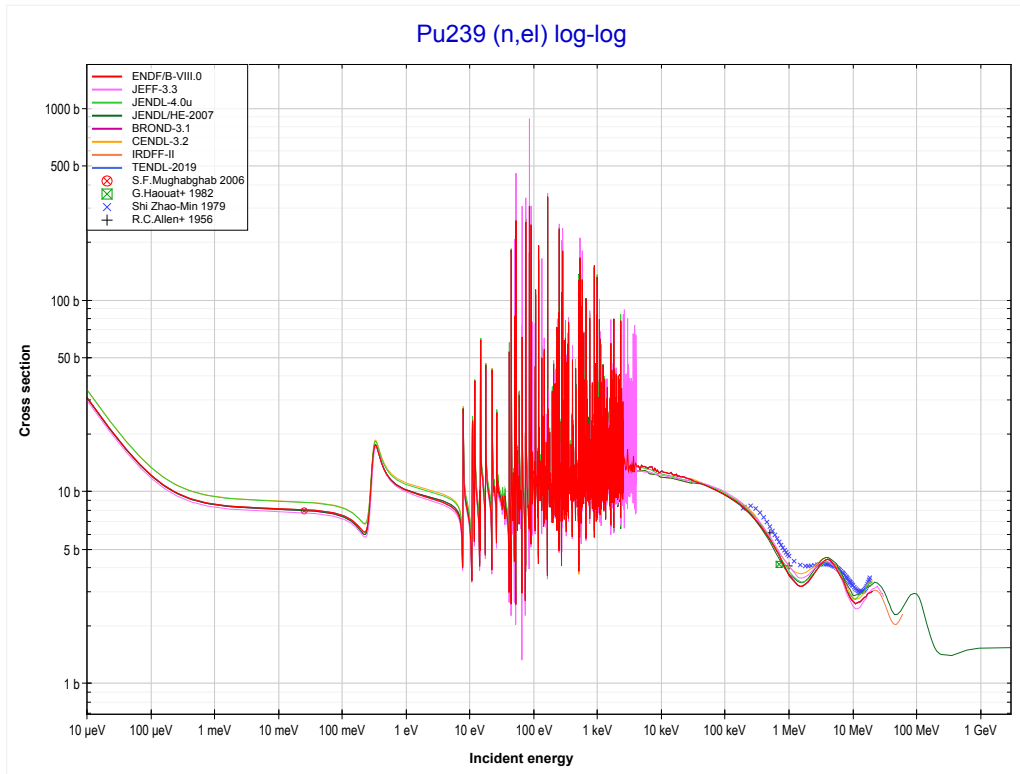
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 539.981 b | 539.495 b | 515.89 b | 0.9561 | 151.606 b | 0.123644 b | 7.205E-4 b |
| ENDF/B-VIII.0 | 412.812 b | 412.812 b | 386.75 b | 0.93686 | 145.653 b | 0.141887 b | 6.40262E-4 b |
| JEFF-3.3 | 412.812 b | 412.812 b | 386.75 b | 0.93686 | 145.607 b | 0.115927 b | 0.00108308 b |
| JENDL-4.0u | 412.812 b | 412.812 b | 386.75 b | 0.93686 | 145.607 b | 0.115927 b | 0.00108308 b |
| JENDL/HE-2007 | 539.964 b | 539.964 b | 516.36 b | 0.95629 | 151.51 b | 0.123654 b | 7.205E-4 b |
| BROND-3.1 | 412.812 b | 412.812 b | 386.75 b | 0.93686 | 145.608 b | 0.115863 b | 0.00108308 b |
| CENDL-3.2 | 560.737 b | 560.737 b | 536.43 b | 0.95665 | 151.377 b | 0.0916628 b | 0.00178982 b |
| TENDL-2019 | 505.662 b | 505.662 b | 483.5 b | 0.95617 | 151.506 b | 0.147106 b | 9.34841E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 94-Pu-238 | 94-Pu-239 | 94-Pu-240 >> |
| << 94-Pu-238 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



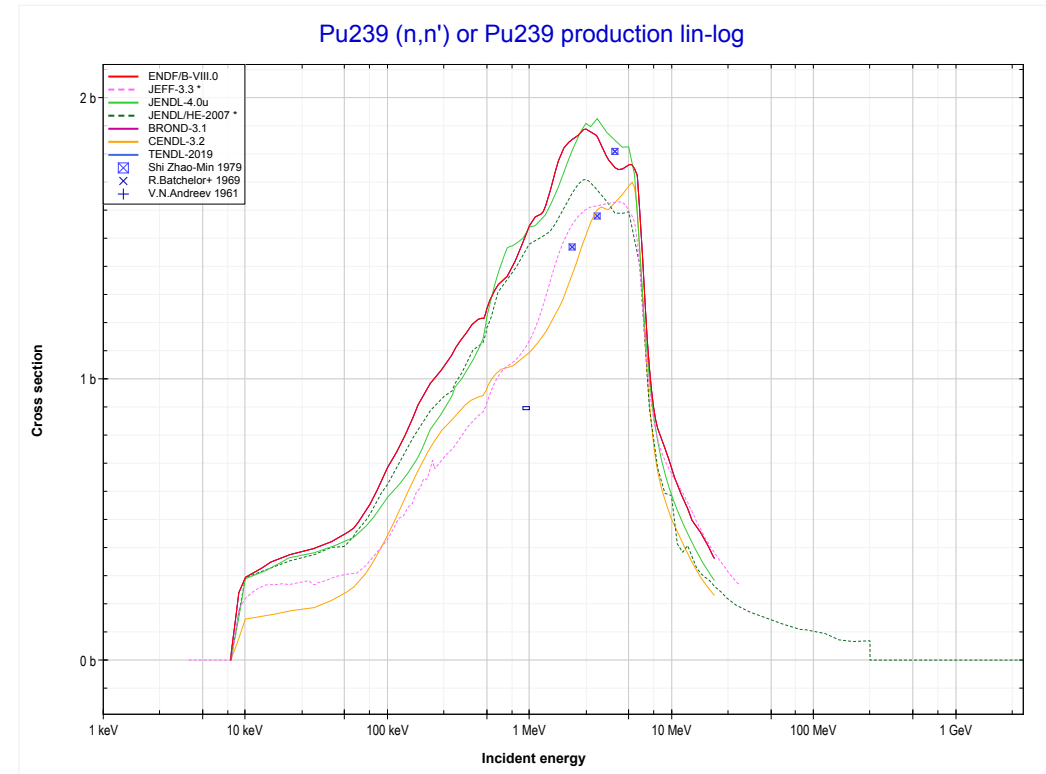
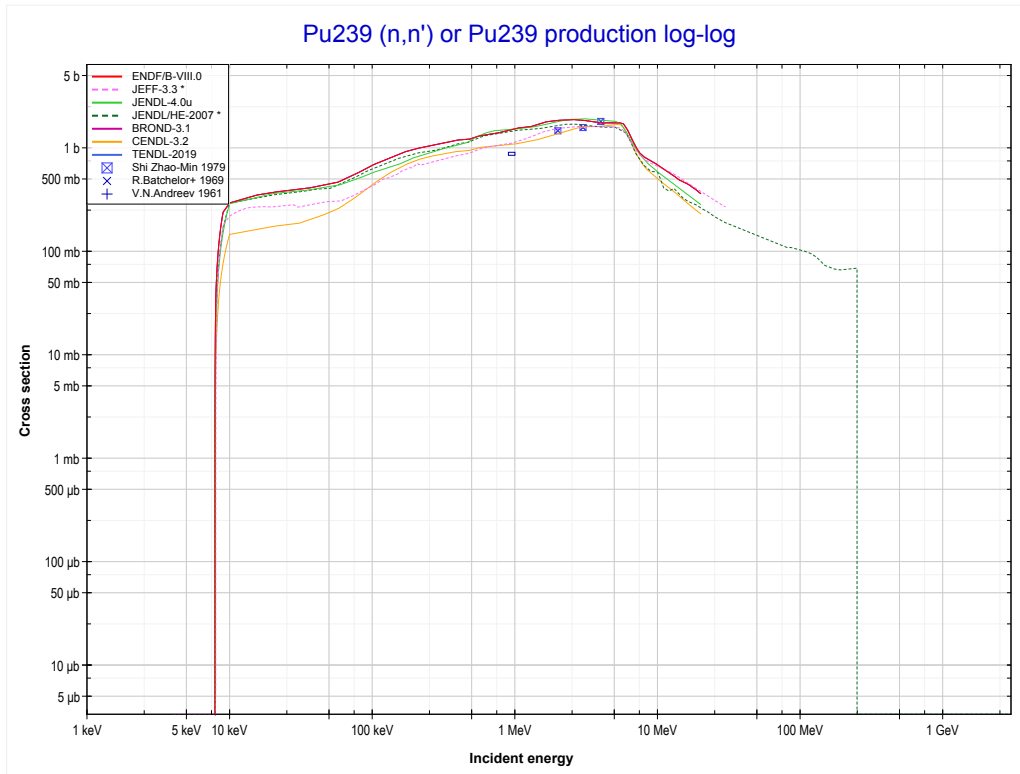
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1025.55 b | 1025.55 b | 1105.2 b | 1.07767 | 630.825 b | 7.77914 b | 5.8698 b |
| JEFF-3.3 | 1028.45 b | 1028.45 b | 1105.5 b | 1.07492 | 674.433 b | 7.72272 b | 5.70625 b |
| JENDL-4.0u | 1027.53 b | 1027.53 b | 1110.1 b | 1.0804 | 628.968 b | 7.85456 b | 5.92738 b |
| JENDL/HE-2007 | 1026.32 b | 1026.32 b | 1106.9 b | 1.07856 | 625.772 b | 7.7308 b | 5.99 b |
| BROND-3.1 | 1026.53 b | 1026.53 b | 1107.6 b | 1.07898 | 627.654 b | 7.77901 b | 5.8698 b |
| CENDL-3.2 | 1026.09 b | 1026.09 b | 1106.3 b | 1.07821 | 629.159 b | 7.75249 b | 5.8903 b |
| IRDFF-II | 1025.49 b | 1025.49 b | 1105 b | 1.07753 | 630.552 b | 7.78062 b | 5.8698 b |
| TENDL-2019 | 1025.35 b | 1025.35 b | 1104.6 b | 1.07728 | 630.517 b | 7.78062 b | 5.8698 b |

| | | |
|------------------|------------------------|---------------|
| << 94-Pu-238 | 94-Pu-239 | 94-Pu-240 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



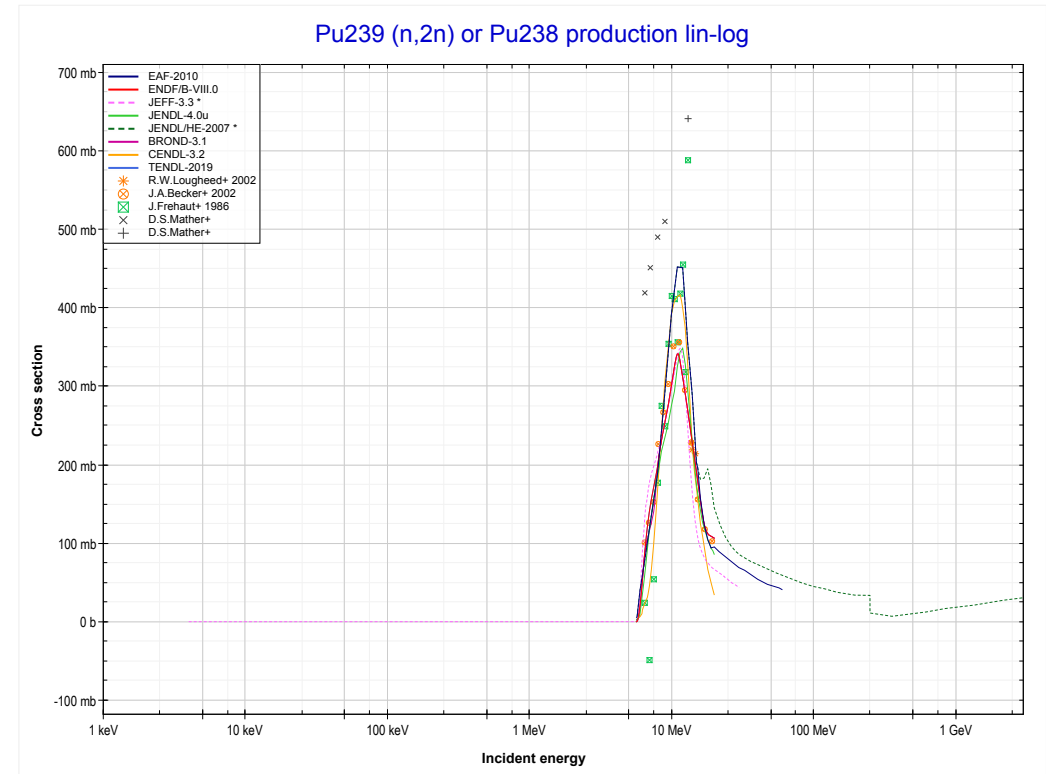
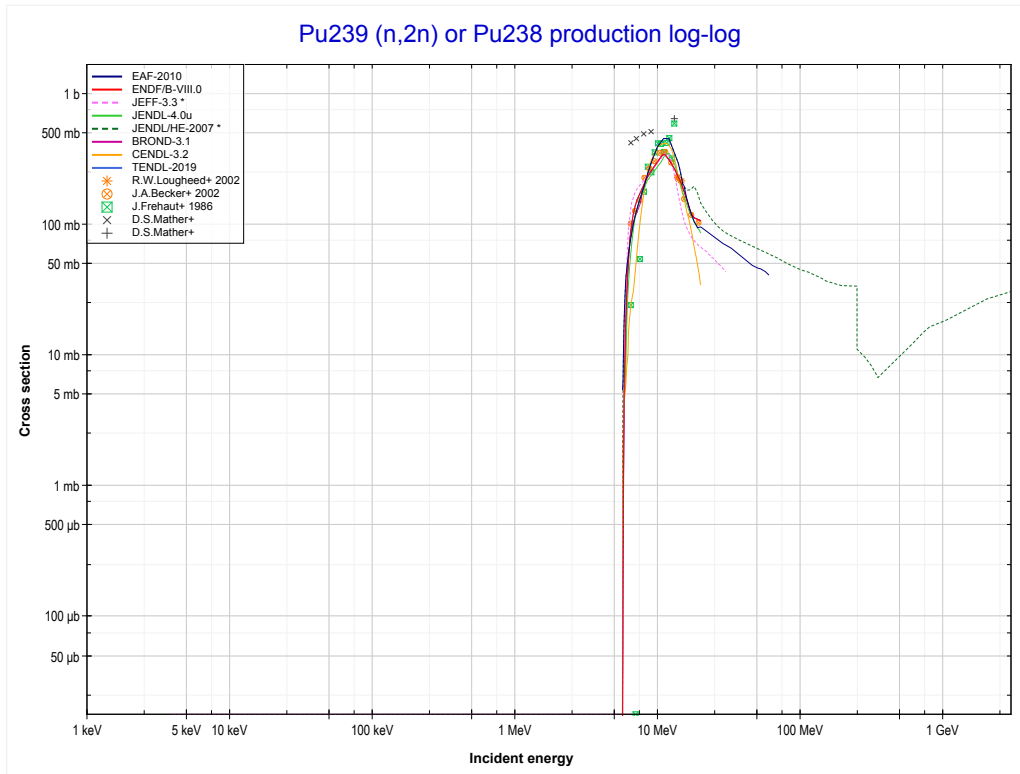
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.07128 b | 8.07128 b | 8.9113 b | 1.10407 | 151.112 b | 4.35466 b | 2.7288 b |
| JEFF-3.3 | 7.76242 b | 7.76242 b | 8.5601 b | 1.10277 | 157.119 b | 4.57259 b | 2.59144 b |
| JENDL-4.0u | 8.81252 b | 8.81252 b | 9.7306 b | 1.10417 | 155.51 b | 4.43052 b | 2.94436 b |
| JENDL/HE-2007 | 7.99046 b | 7.99046 b | 8.8081 b | 1.10232 | 150.657 b | 4.42399 b | 2.99055 b |
| BROND-3.1 | 7.99045 b | 7.99045 b | 8.8082 b | 1.10234 | 152.288 b | 4.36142 b | 2.72271 b |
| CENDL-3.2 | 8.84766 b | 8.84766 b | 9.7724 b | 1.10452 | 154.768 b | 4.64804 b | 2.87907 b |
| IRDFF-II | 8.07129 b | 8.07129 b | 8.9099 b | 1.1039 | 151.127 b | 4.355 b | 2.7288 b |
| TENDL-2019 | 8.0713 b | 8.0713 b | 8.9111 b | 1.10405 | 151.125 b | 4.355 b | 2.7288 b |

| | | |
|--------------------|---|----------------|
| << 92-U-238 | 94-Pu-239 | 95-Am-241 >> |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Pu239 production) | MT16 (n,2n) >> |



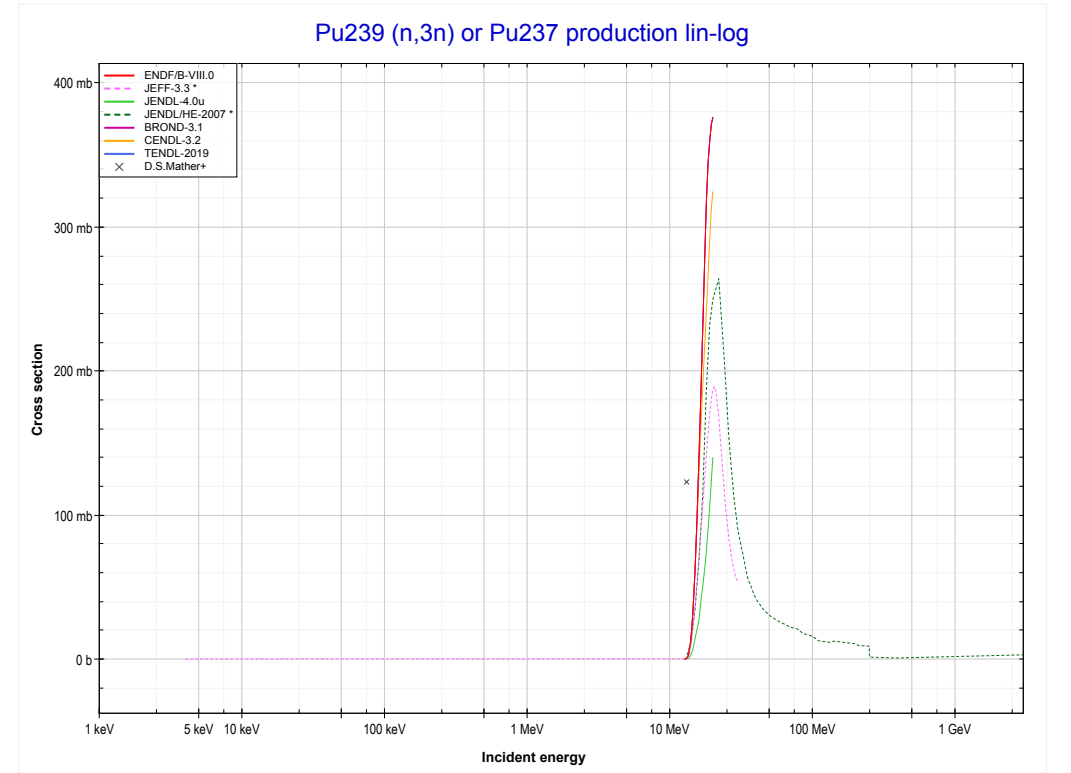
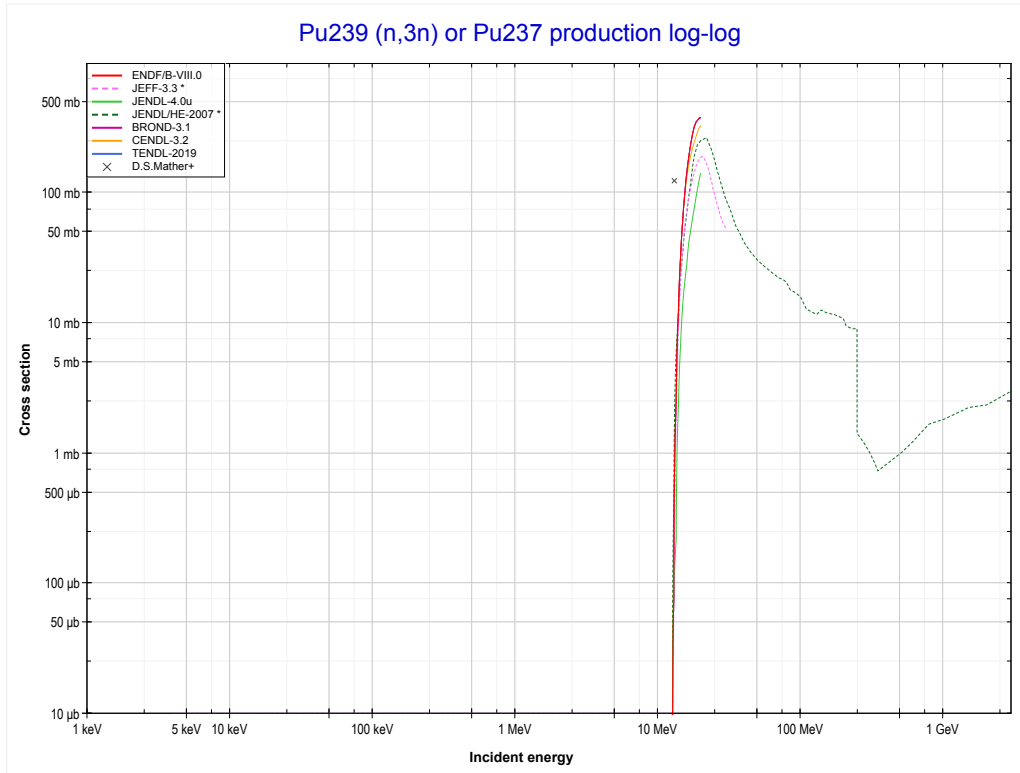
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 1.02322 b | 1.58141 b | 0.495886 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.710452 b | 1.29421 b | 0.527114 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.947081 b | 1.56776 b | 0.416368 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.957627 b | 1.44952 b | 0.36626 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 1.02322 b | 1.5814 b | 0.495886 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.528541 b | 1.24427 b | 0.34686 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 1.02322 b | 1.5814 b | 0.495886 b |

| | | |
|---------------|--|----------------|
| << 93-Np-237 | 94-Pu-239 | 94-Pu-240 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Pu238 production) | MT17 (n,3n) >> |



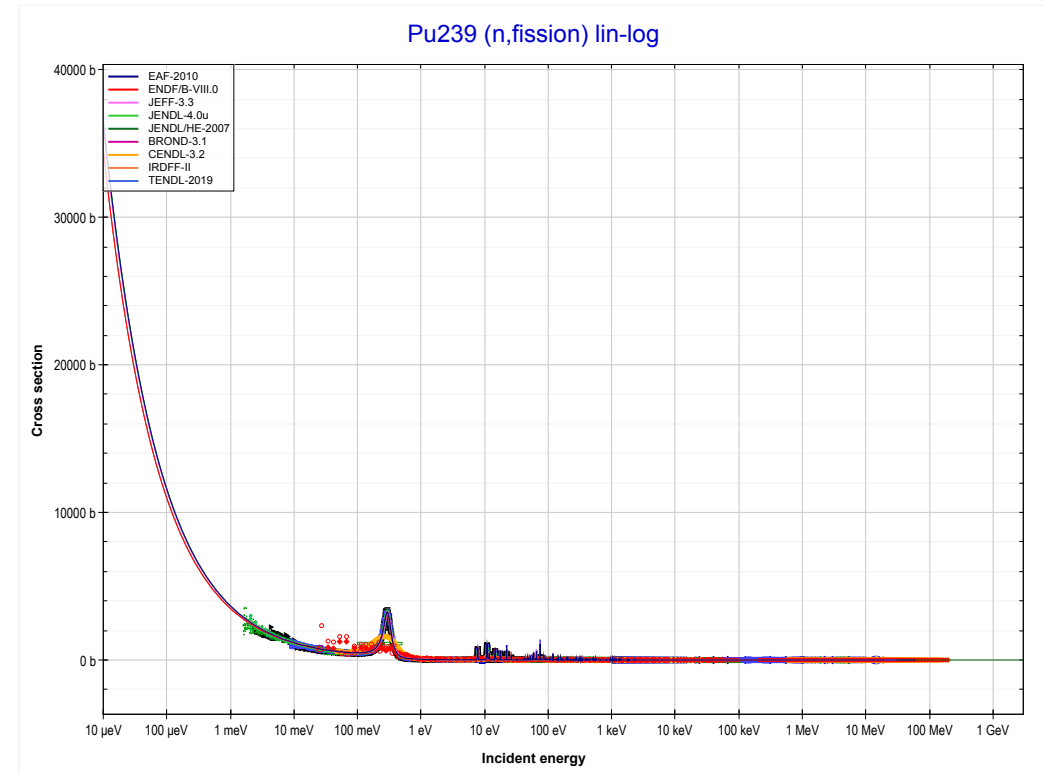
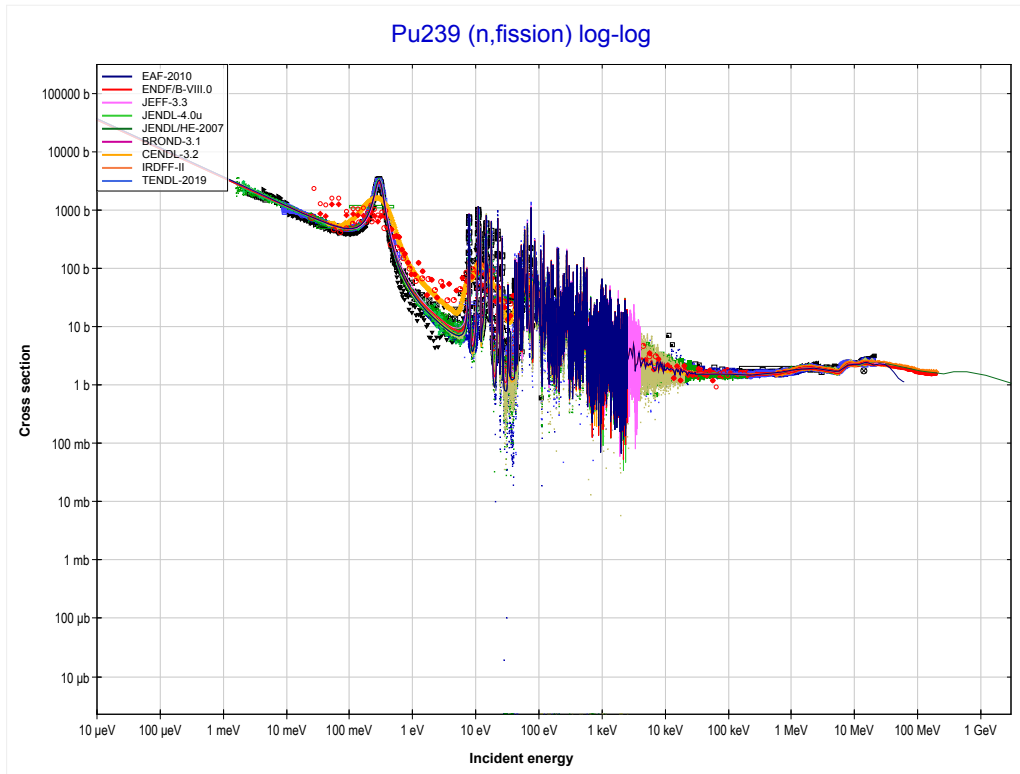
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00484408 b | 0.290139 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00458917 b | 0.228716 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00538041 b | 0.166355 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00397942 b | 0.229579 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00484582 b | 0.290139 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00429577 b | 0.228716 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00344209 b | 0.225 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00458917 b | 0.228716 b |

| | | |
|----------------|--|---------------------|
| << 92-U-238 | 94-Pu-239 | 95-Am-241 >> |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Pu237 production) | MT18 (n,fission) >> |



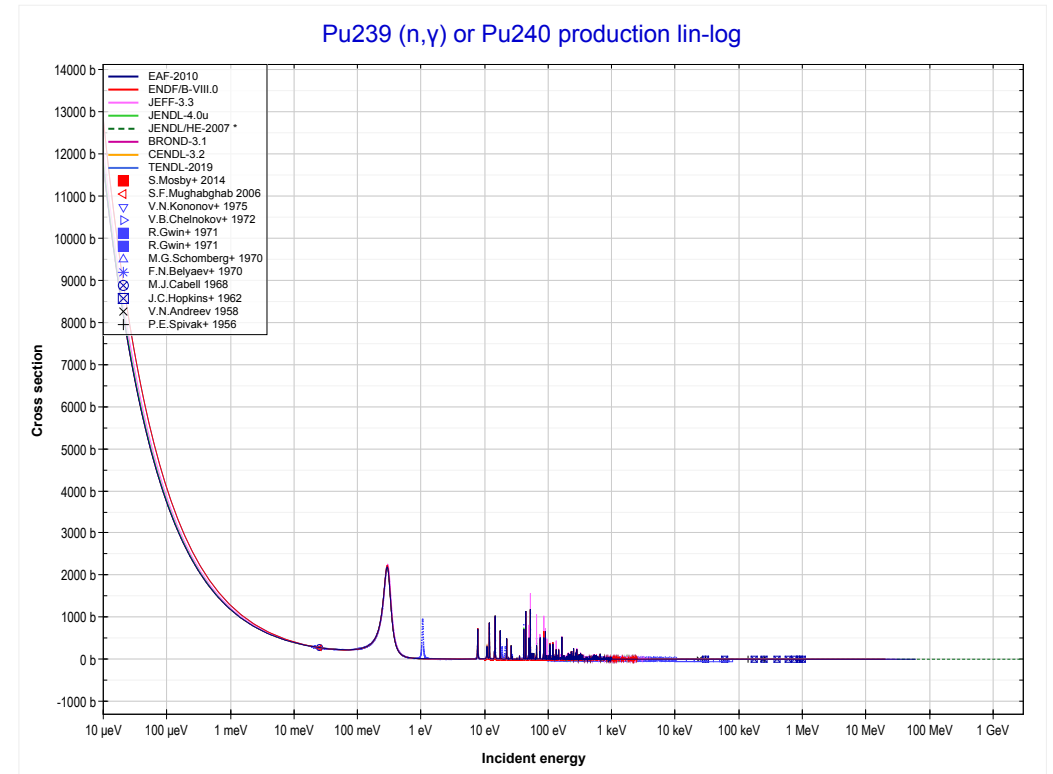
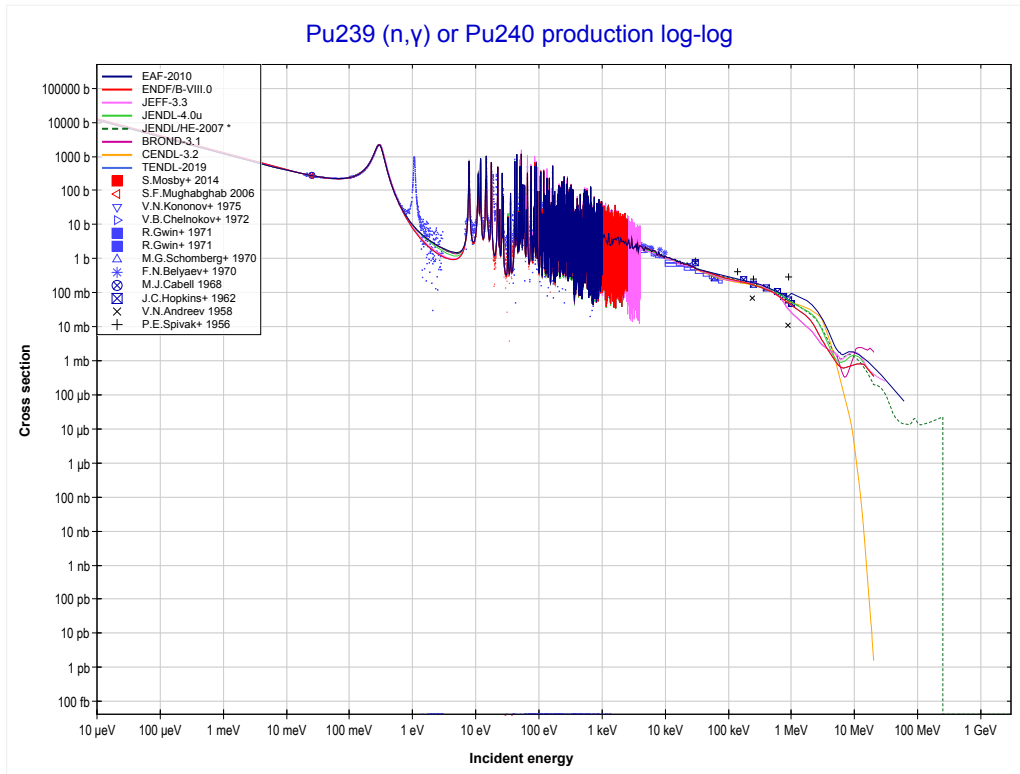
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15914E-5 b | 0.012058 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 6.03012E-6 b | 0.00852898 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 2.59328E-6 b | 0.00231781 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 6.94454E-6 b | 0.0114956 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15914E-5 b | 0.012058 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 1.0462E-5 b | 0.013368 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 1.15914E-5 b | 0.012058 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 94-Pu-238 | 94-Pu-239 | 94-Pu-240 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT102 (n, γ) >> |



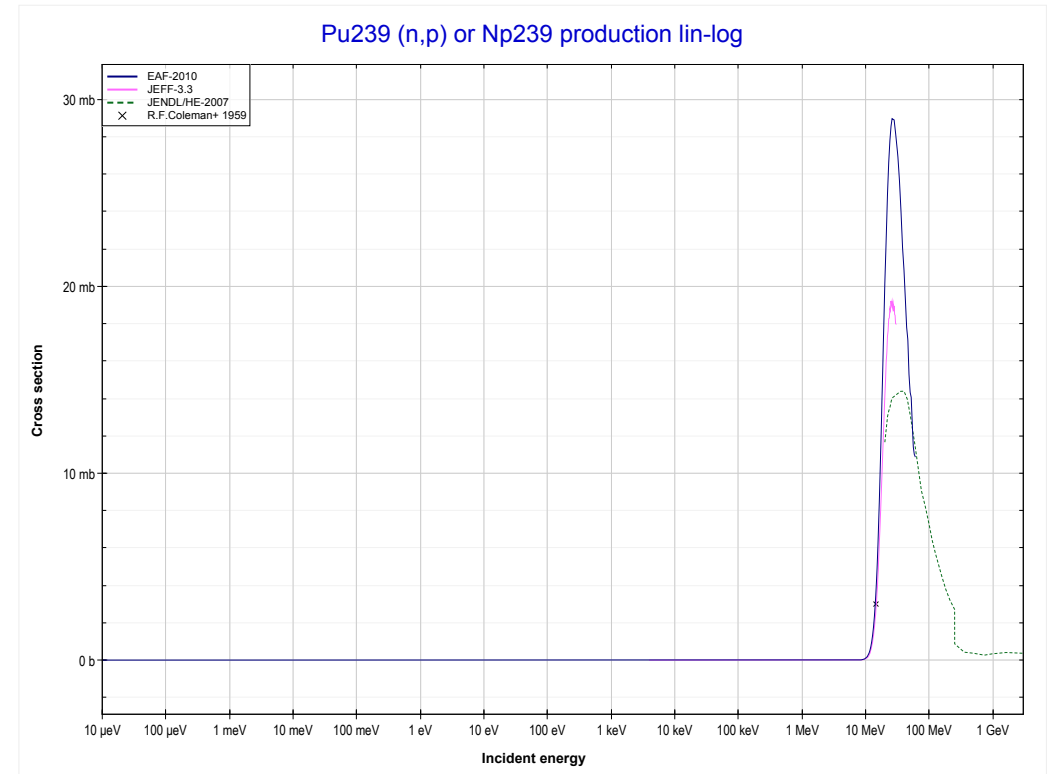
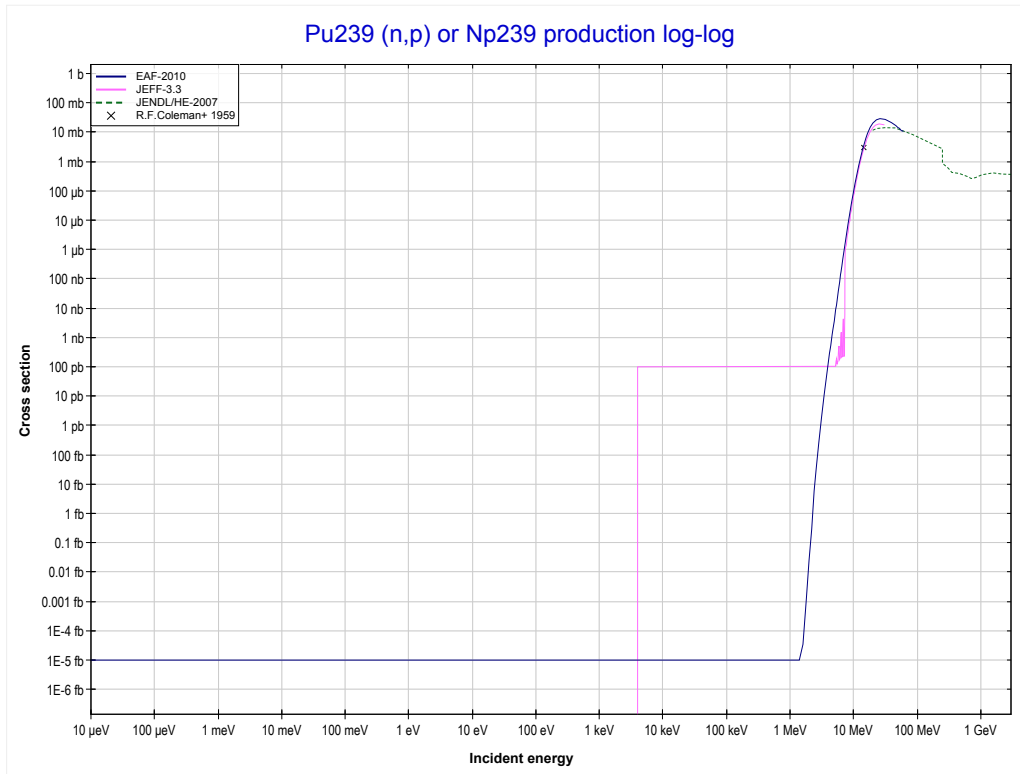
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 747.688 b | 747.186 b | 787.94 b | 1.05462 | 292.746 b | 1.79157 b | 2.418 b |
| ENDF/B-VIII.0 | 747.353 b | 747.353 b | 786.24 b | 1.05203 | 298.888 b | 1.79168 b | 2.40356 b |
| JEFF-3.3 | 749.278 b | 749.278 b | 786.49 b | 1.04966 | 321.957 b | 1.79794 b | 2.40688 b |
| JENDL-4.0u | 747.265 b | 747.265 b | 790.36 b | 1.05767 | 293.114 b | 1.79804 b | 2.33391 b |
| JENDL/HE-2007 | 747.678 b | 747.678 b | 788.29 b | 1.05431 | 292.948 b | 1.79704 b | 2.3309 b |
| BROND-3.1 | 747.834 b | 747.834 b | 788.78 b | 1.05475 | 293.165 b | 1.79027 b | 2.40814 b |
| CENDL-3.2 | 746.904 b | 746.904 b | 787.03 b | 1.05372 | 289.301 b | 1.80262 b | 2.426 b |
| IRDFF-II | 747.309 b | 747.309 b | 786.08 b | 1.05189 | 298.748 b | 1.79153 b | 2.40356 b |
| TENDL-2019 | 747.206 b | 747.206 b | 785.79 b | 1.05164 | 298.725 b | 1.79153 b | 2.40356 b |

| | | |
|---------------------|--|----------------|
| << 94-Pu-238 | 94-Pu-239 | 94-Pu-240 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu240 production) | MT103 (n,p) >> |



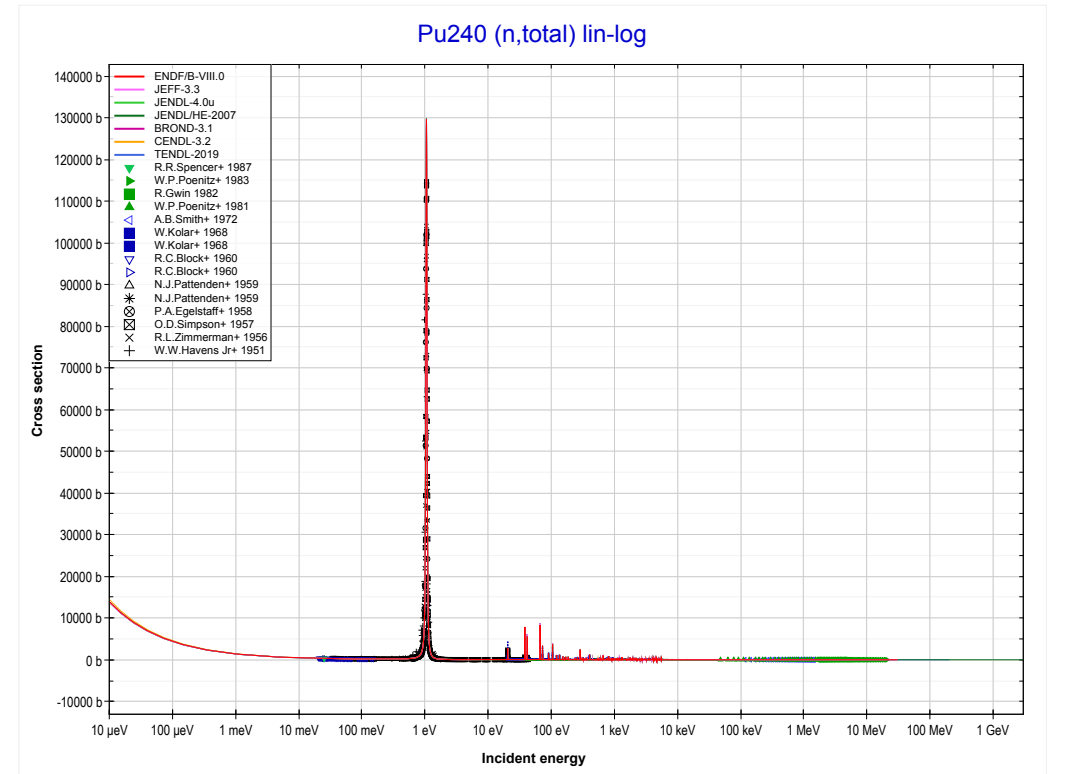
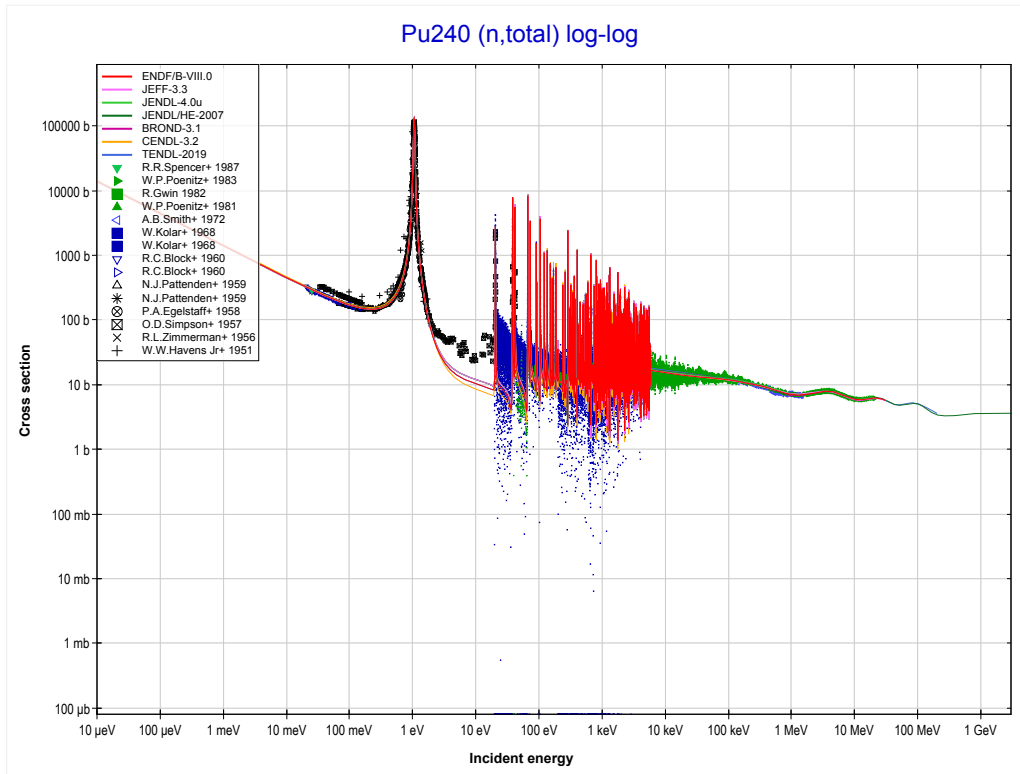
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 270.493 b | 270.342 b | 309.73 b | 1.1459 | 184.136 b | 0.0726907 b | 0.00119552 b |
| ENDF/B-VIII.0 | 270.124 b | 270.124 b | 310.05 b | 1.14782 | 179.801 b | 0.046789 b | 7.86744E-4 b |
| JEFF-3.3 | 271.406 b | 271.406 b | 310.45 b | 1.14386 | 194.646 b | 0.0414581 b | 9.36141E-4 b |
| JENDL-4.0u | 271.452 b | 271.452 b | 310.06 b | 1.14223 | 179.397 b | 0.0542585 b | 8.47399E-4 b |
| JENDL/HE-2007 | 270.653 b | 270.653 b | 309.85 b | 1.14482 | 181.186 b | 0.0551179 b | 6.54388E-4 b |
| BROND-3.1 | 270.702 b | 270.702 b | 310.02 b | 1.14525 | 181.178 b | 0.0416054 b | 0.0022955 b |
| CENDL-3.2 | 270.342 b | 270.342 b | 309.54 b | 1.14501 | 184.535 b | 0.0541227 b | 9.3445E-9 b |
| TENDL-2019 | 270.069 b | 270.069 b | 309.87 b | 1.14739 | 179.7 b | 0.0467925 b | 7.86744E-4 b |

| | | |
|-------------------------|--|----------------------------|
| << 93-Np-237 | 94-Pu-239 | |
| << MT102 (n, γ) | MT103 (n,p) or MT5 (Np239 production) | 94-Pu-240 MT1 (n,total) >> |



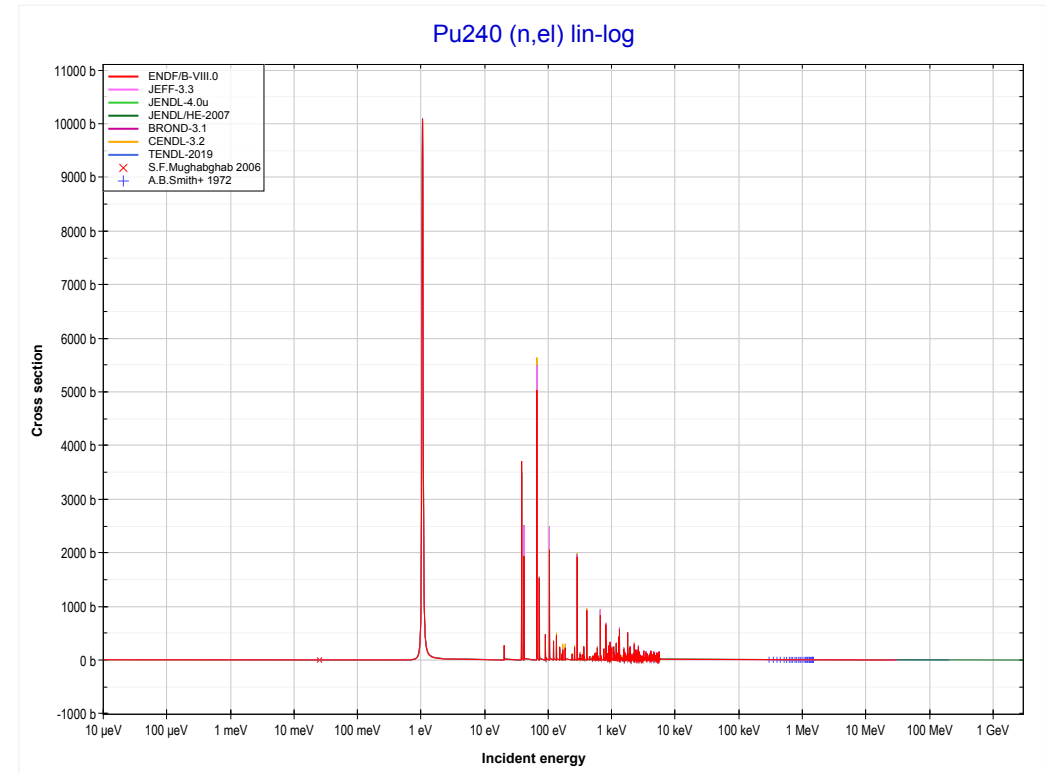
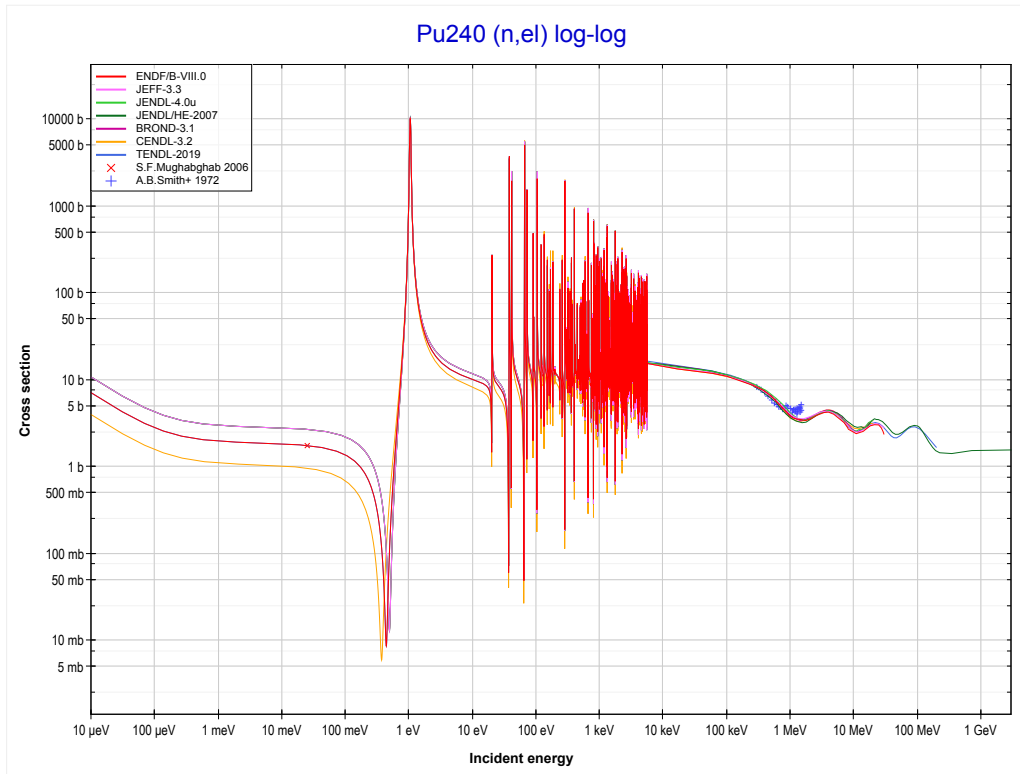
| Reaction | Q-Value |
|-----------------|-----------|
| Pu239(n,p)Np239 | 59.55 keV |

| | | |
|--------------------------|----------------------|--------------------|
| << 94-Pu-239 | 94-Pu-240 | 94-Pu-241 >> |
| << 94-Pu-239 MT103 (n,p) | MT1 (n,total) | MT2 (n,elastic) >> |



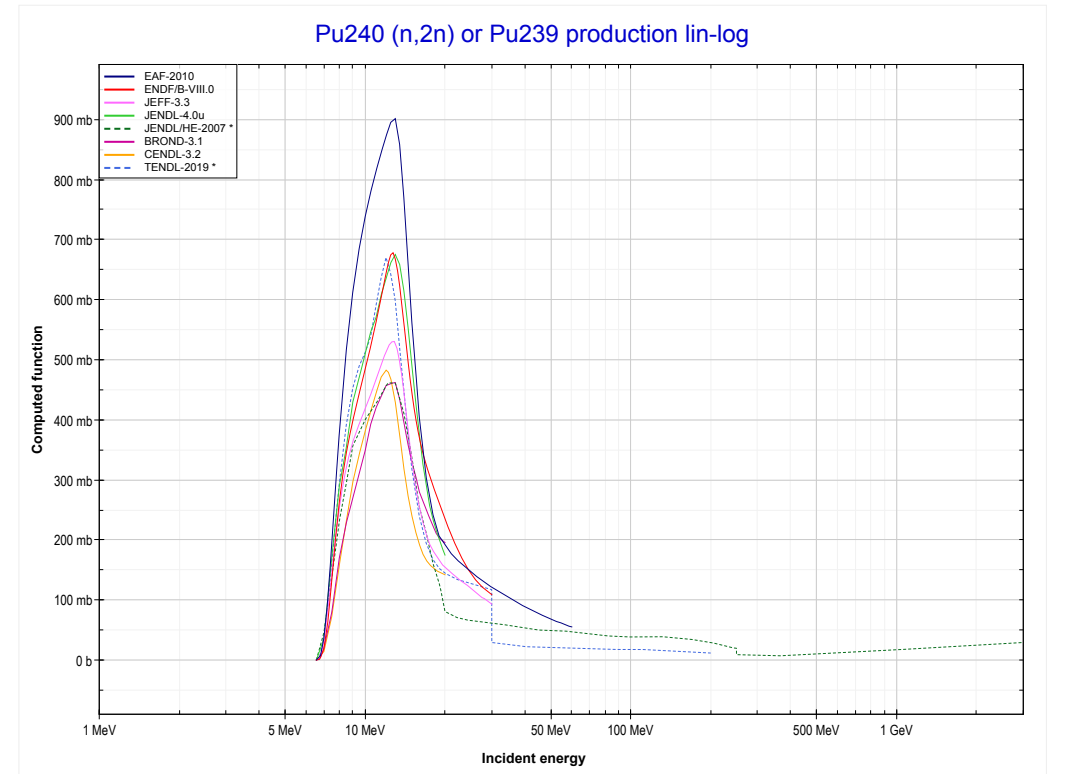
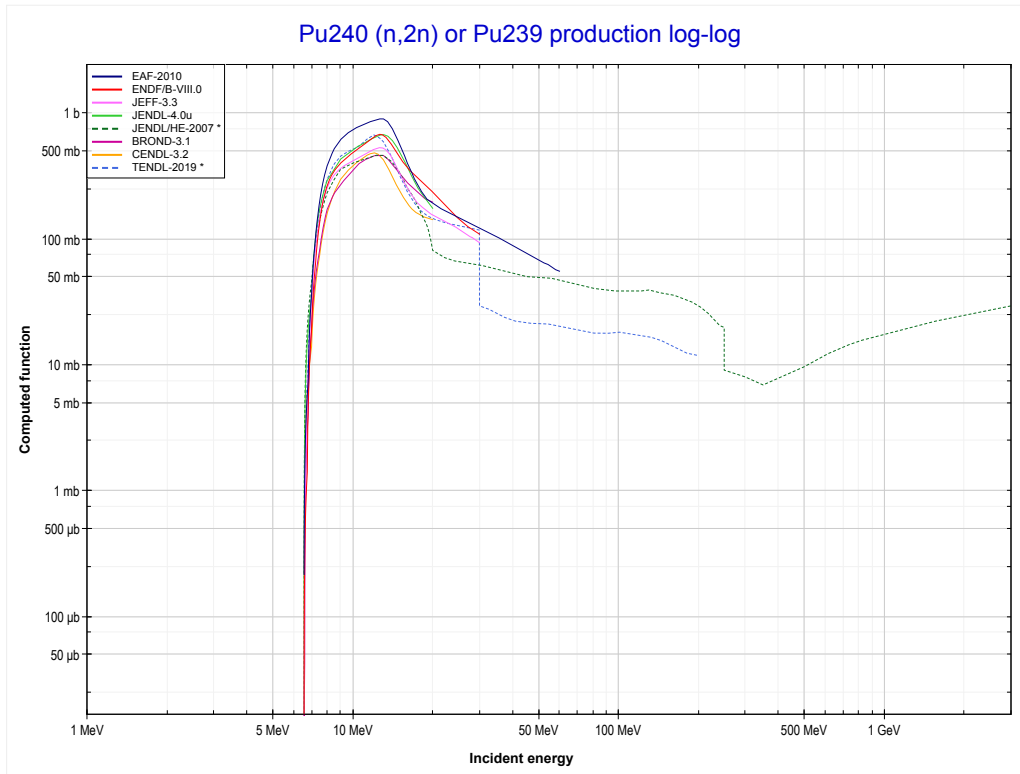
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 291.281 b | 291.281 b | 298.96 b | 1.02637 | 9441.79 b | 7.76153 b | 5.89571 b |
| JEFF-3.3 | 288.566 b | 288.566 b | 296.35 b | 1.02699 | 9456.06 b | 7.84892 b | 5.8097 b |
| JENDL-4.0u | 291.996 b | 291.996 b | 300.04 b | 1.02756 | 9457.33 b | 7.91318 b | 5.94513 b |
| JENDL/HE-2007 | 288.509 b | 288.509 b | 296.18 b | 1.02659 | 9454.2 b | 7.7358 b | 5.89024 b |
| BROND-3.1 | 292.019 b | 292.019 b | 300.07 b | 1.02756 | 9457.3 b | 7.73147 b | 5.7854 b |
| CENDL-3.2 | 302.698 b | 302.698 b | 311.08 b | 1.0277 | 9395.31 b | 7.80406 b | 5.926 b |
| TENDL-2019 | 291.223 b | 291.223 b | 298.79 b | 1.02597 | 9440.02 b | 7.8887 b | 5.89963 b |

| | | |
|------------------|------------------------|----------------|
| << 94-Pu-239 | 94-Pu-240 | 94-Pu-241 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



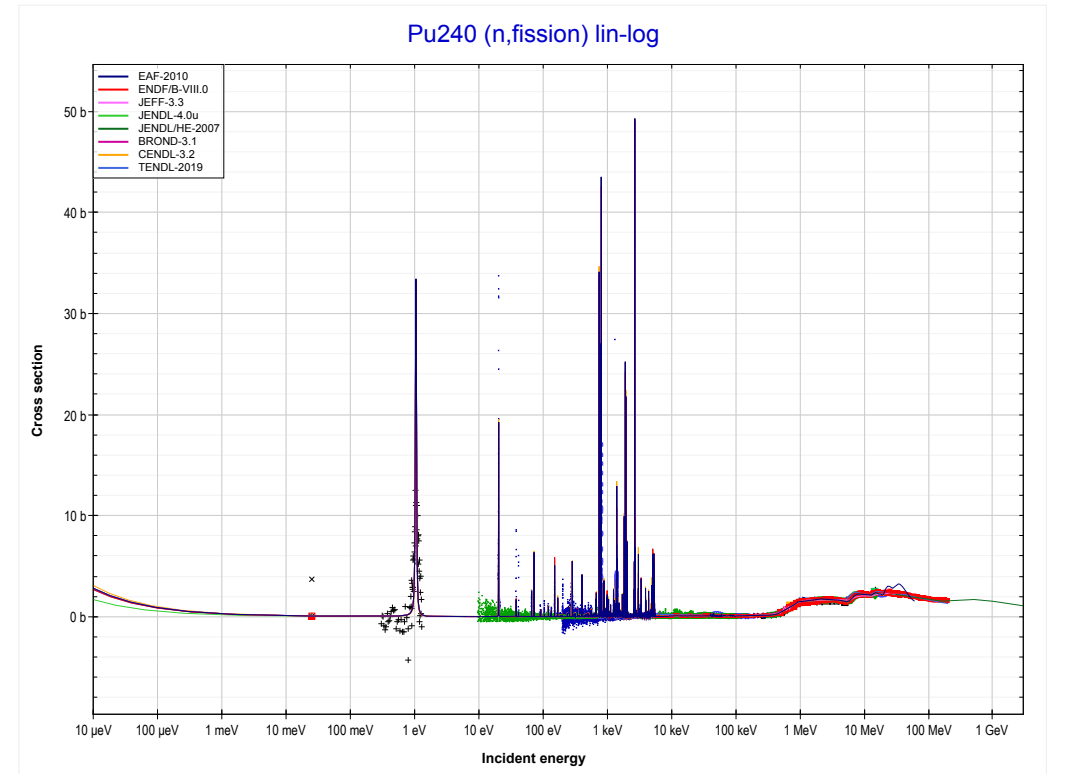
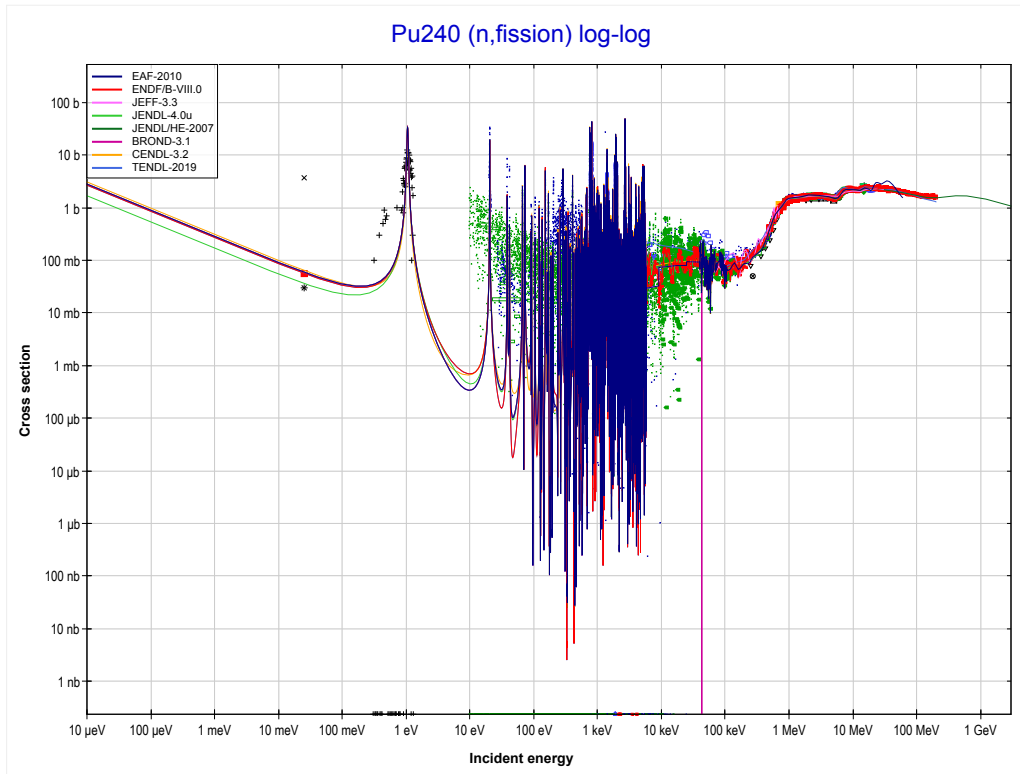
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1.73406 b | 1.73406 b | 1.8134 b | 1.04577 | 950.708 b | 4.56918 b | 2.50757 b |
| JEFF-3.3 | 2.66693 b | 2.66693 b | 2.8281 b | 1.06045 | 965.87 b | 4.69174 b | 2.6008 b |
| JENDL-4.0u | 2.66703 b | 2.66703 b | 2.8283 b | 1.06046 | 949.03 b | 4.77139 b | 2.6555 b |
| JENDL/HE-2007 | 2.66693 b | 2.66693 b | 2.8281 b | 1.06045 | 967.407 b | 4.50714 b | 2.79807 b |
| BROND-3.1 | 2.66703 b | 2.66703 b | 2.8283 b | 1.06045 | 949.566 b | 4.70494 b | 2.68763 b |
| CENDL-3.2 | 0.951176 b | 0.951176 b | 0.97172 b | 1.02159 | 869.041 b | 4.61666 b | 2.83725 b |
| TENDL-2019 | 1.73406 b | 1.73406 b | 1.8135 b | 1.04579 | 953.267 b | 4.70419 b | 2.67744 b |

| | | |
|--------------------|--|---------------------|
| << 94-Pu-239 | 94-Pu-240 | 94-Pu-242 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Pu239 production) | MT18 (n,fission) >> |



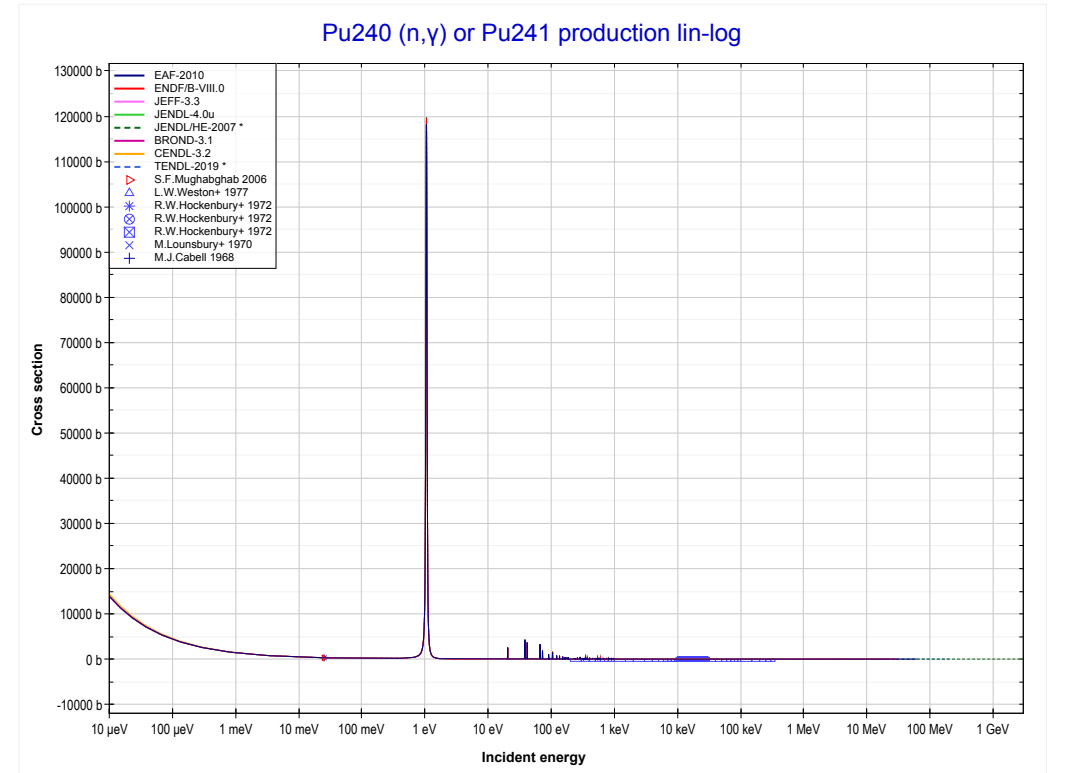
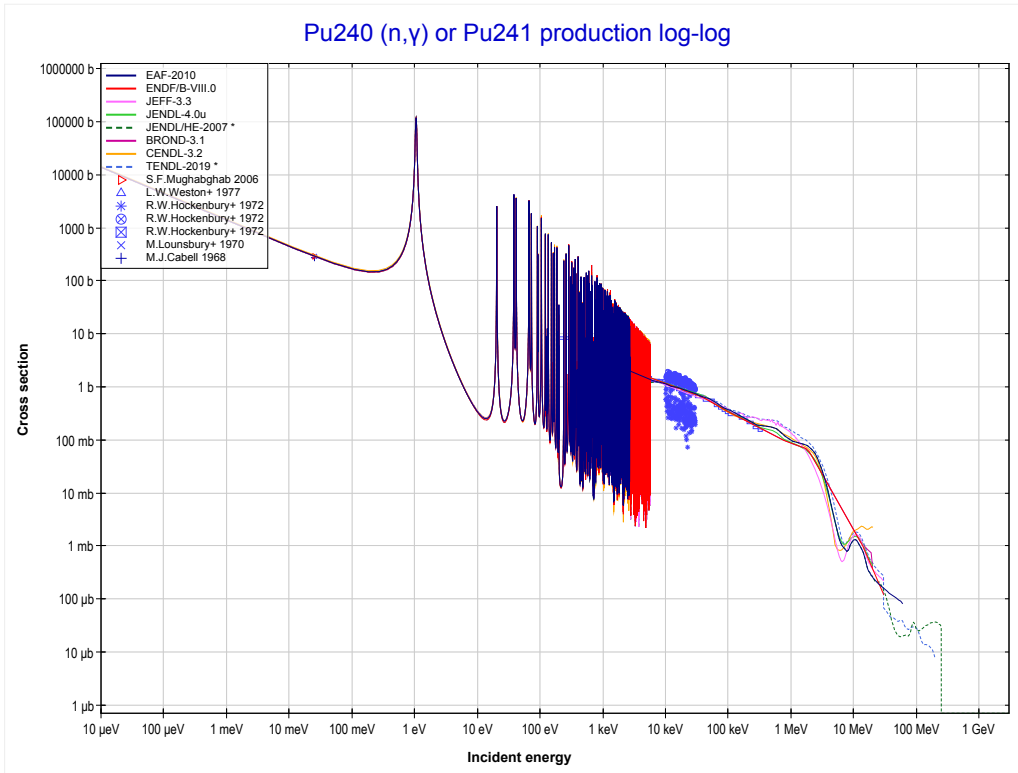
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00629429 b | 0.769798 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00424822 b | 0.561581 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00397446 b | 0.447565 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.0047028 b | 0.615608 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00381802 b | 0.41138 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00291301 b | 0.39577 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00295446 b | 0.31965 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00476231 b | 0.449701 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 94-Pu-239 | 94-Pu-240 | 94-Pu-241 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT102 (n, γ) >> |



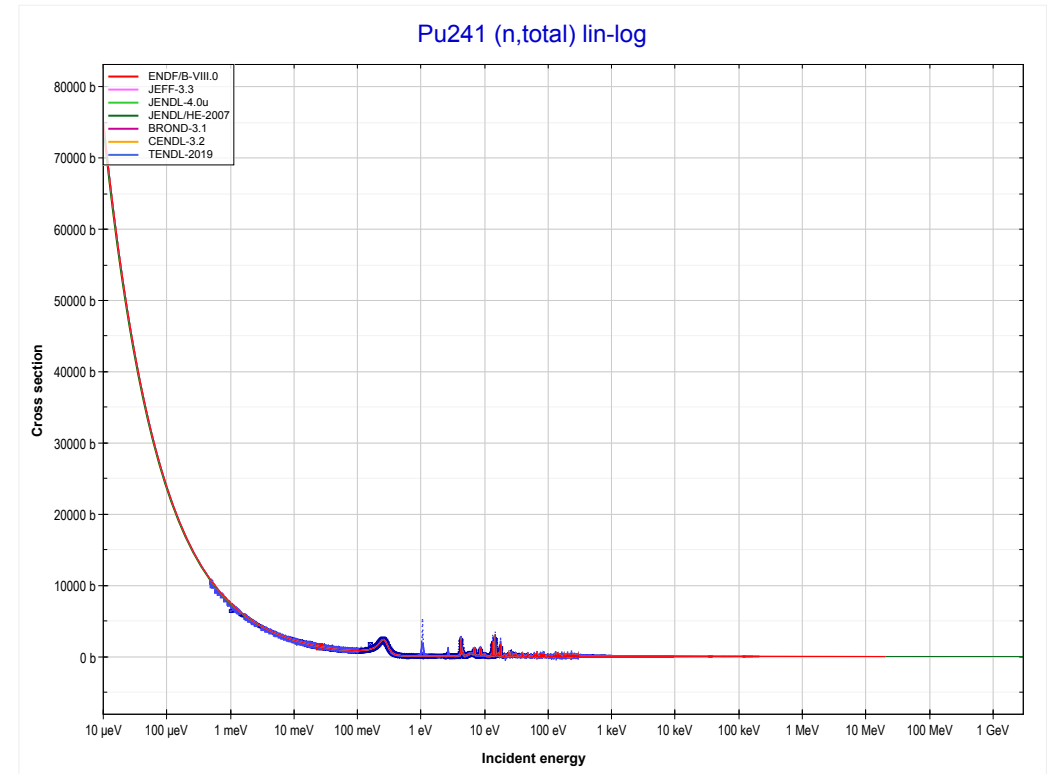
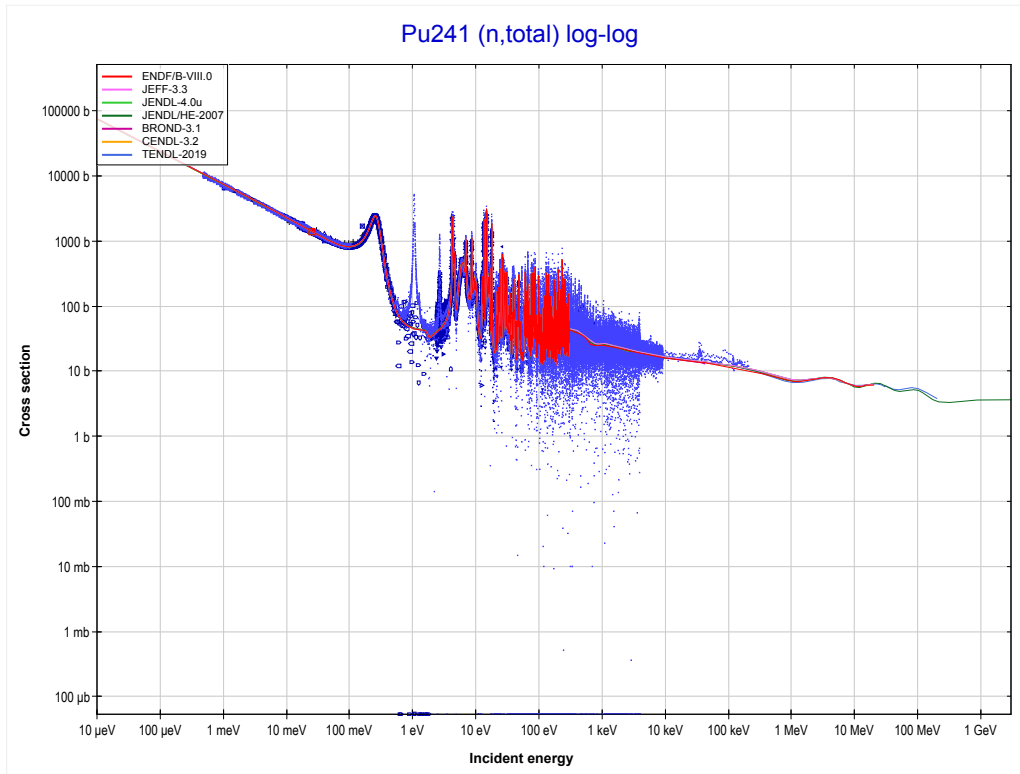
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0591515 b | 0.059113 b | 0.061037 b | 1.03264 | 3.37551 b | 1.34303 b | 2.254 b |
| ENDF/B-VIII.0 | 0.0563099 b | 0.0563099 b | 0.058123 b | 1.03219 | 3.392 b | 1.34171 b | 2.2885 b |
| JEFF-3.3 | 0.0591624 b | 0.0591624 b | 0.061106 b | 1.03285 | 3.35939 b | 1.36142 b | 2.08275 b |
| JENDL-4.0u | 0.0362035 b | 0.0362035 b | 0.037834 b | 1.04503 | 3.37743 b | 1.31403 b | 2.20801 b |
| JENDL/HE-2007 | 0.0591508 b | 0.0591508 b | 0.061071 b | 1.03246 | 3.41389 b | 1.33926 b | 2.197 b |
| BROND-3.1 | 0.0591612 b | 0.0591612 b | 0.061105 b | 1.03285 | 3.38505 b | 1.31598 b | 2.2137 b |
| CENDL-3.2 | 0.064032 b | 0.064032 b | 0.065597 b | 1.02444 | 2.62825 b | 1.31651 b | 2.19 b |
| TENDL-2019 | 0.0562988 b | 0.0562988 b | 0.058089 b | 1.03179 | 3.57959 b | 1.35025 b | 2.36431 b |

| | | |
|---------------------|--|----------------------------|
| << 94-Pu-239 | 94-Pu-240 | 94-Pu-241 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu241 production) | 94-Pu-241 MT1 (n,total) >> |



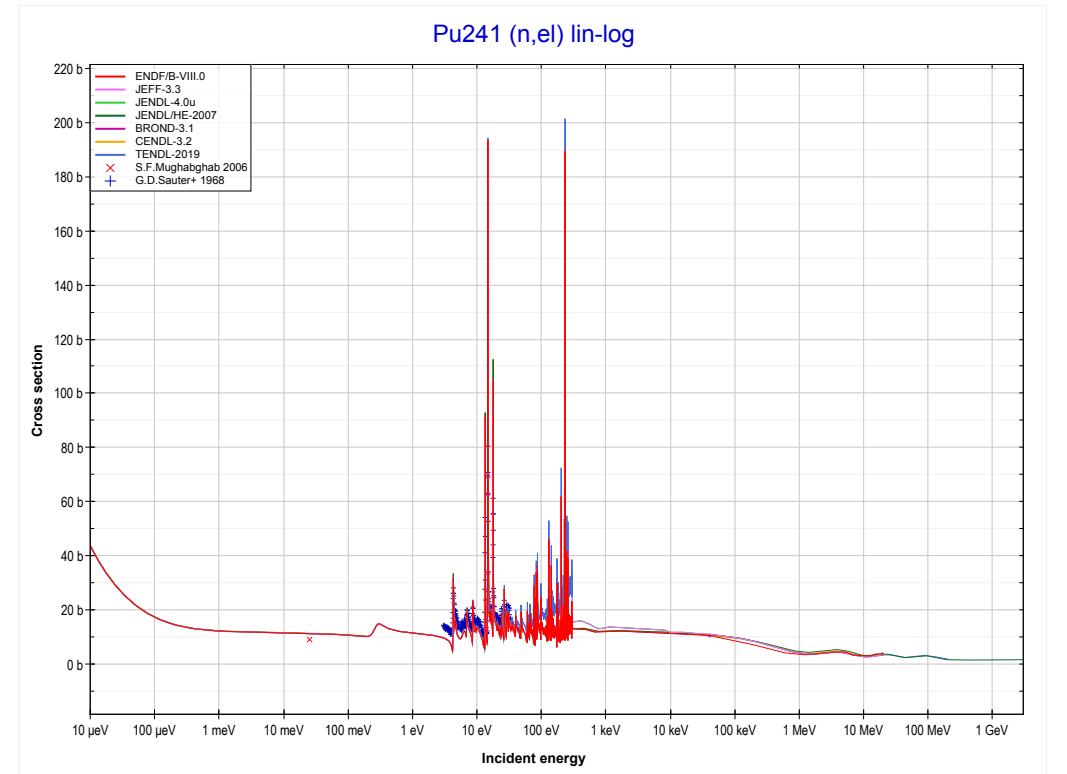
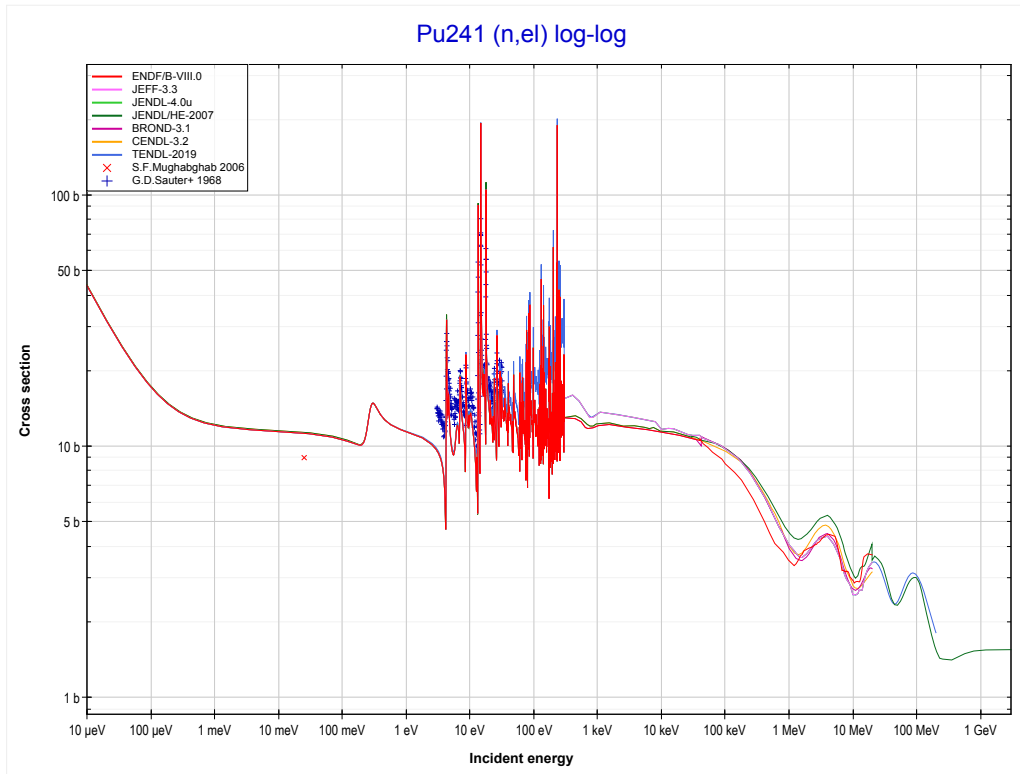
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 289.238 b | 289.046 b | 296.83 b | 1.02701 | 8500.73 b | 0.0946424 b | 8E-4 b |
| ENDF/B-VIII.0 | 289.491 b | 289.491 b | 297.09 b | 1.02625 | 8487.41 b | 0.0798915 b | 0.001 b |
| JEFF-3.3 | 285.84 b | 285.84 b | 293.47 b | 1.02668 | 8486.7 b | 0.101704 b | 0.00103738 b |
| JENDL-4.0u | 289.292 b | 289.292 b | 297.18 b | 1.02725 | 8504.69 b | 0.0834458 b | 0.00109275 b |
| JENDL/HE-2007 | 285.783 b | 285.783 b | 293.29 b | 1.02627 | 8483.17 b | 0.0945629 b | 8E-4 b |
| BROND-3.1 | 289.292 b | 289.292 b | 297.18 b | 1.02725 | 8504.14 b | 0.0808285 b | 0.00105 b |
| CENDL-3.2 | 301.683 b | 301.683 b | 310.04 b | 1.02771 | 8523.4 b | 0.0926938 b | 0.00234013 b |
| TENDL-2019 | 289.433 b | 289.433 b | 296.91 b | 1.02585 | 8483 b | 0.123725 b | 0.00126145 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 94-Pu-240 | 94-Pu-241 | 94-Pu-242 >> |
| << 94-Pu-240 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



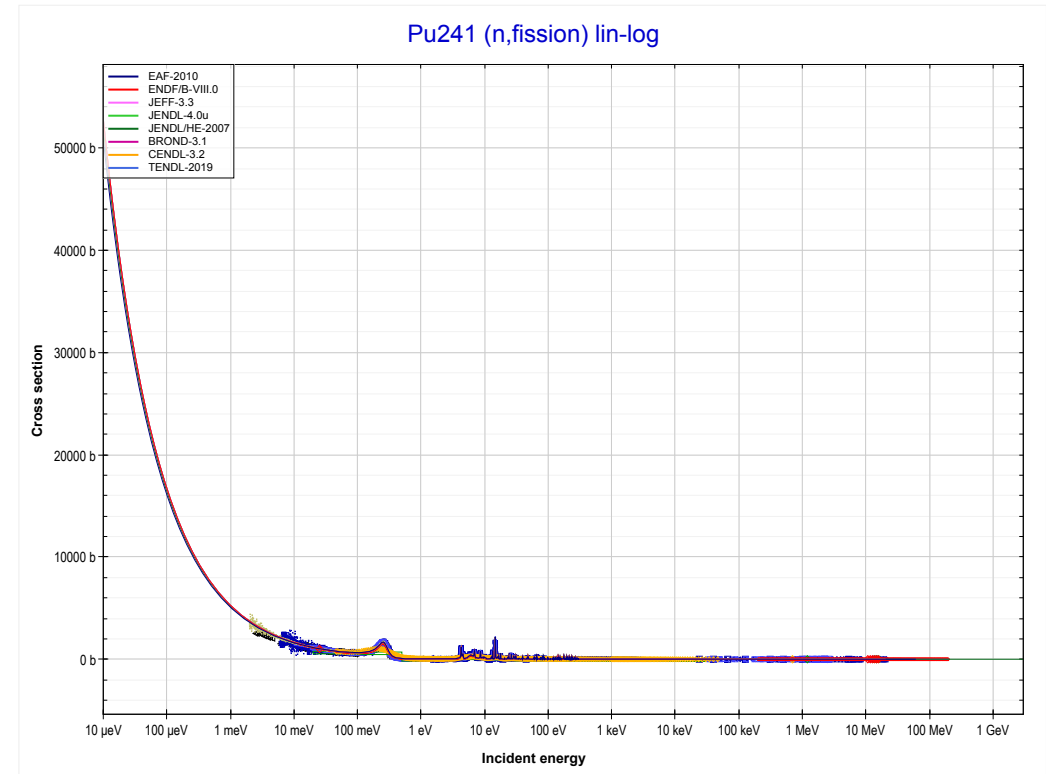
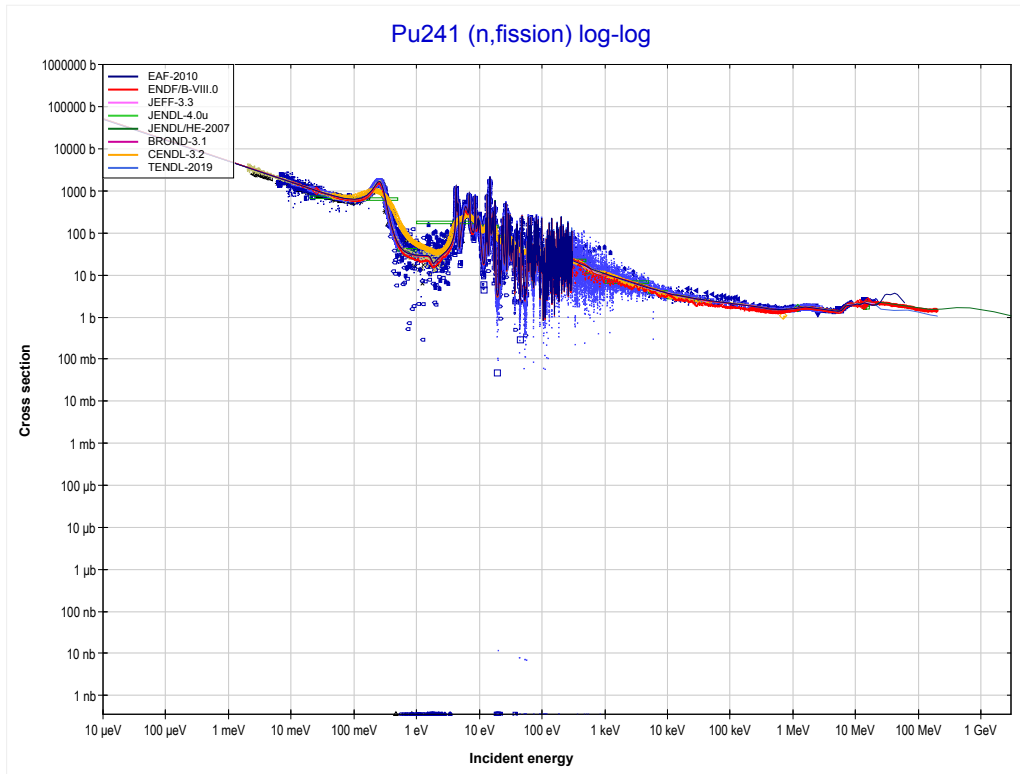
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1386.55 b | 1386.55 b | 1445.7 b | 1.04267 | 891.113 b | 7.73396 b | 5.98781 b |
| JEFF-3.3 | 1386.55 b | 1386.55 b | 1445.7 b | 1.04267 | 897.009 b | 8.02811 b | 5.99528 b |
| JENDL-4.0u | 1386.55 b | 1386.55 b | 1445.7 b | 1.04267 | 897.009 b | 8.02811 b | 5.99528 b |
| JENDL/HE-2007 | 1384.99 b | 1384.99 b | 1439.2 b | 1.03916 | 895.014 b | 7.85574 b | 5.79912 b |
| BROND-3.1 | 1386.55 b | 1386.55 b | 1445.7 b | 1.04267 | 891.757 b | 8.02629 b | 5.99528 b |
| CENDL-3.2 | 1384.99 b | 1384.99 b | 1439.2 b | 1.03916 | 894.811 b | 7.83224 b | 5.8807 b |
| TENDL-2019 | 1386.26 b | 1386.26 b | 1445 b | 1.04239 | 897.024 b | 7.5682 b | 6.07312 b |

| | | |
|------------------|------------------------|---------------------|
| << 94-Pu-240 | 94-Pu-241 | 94-Pu-242 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



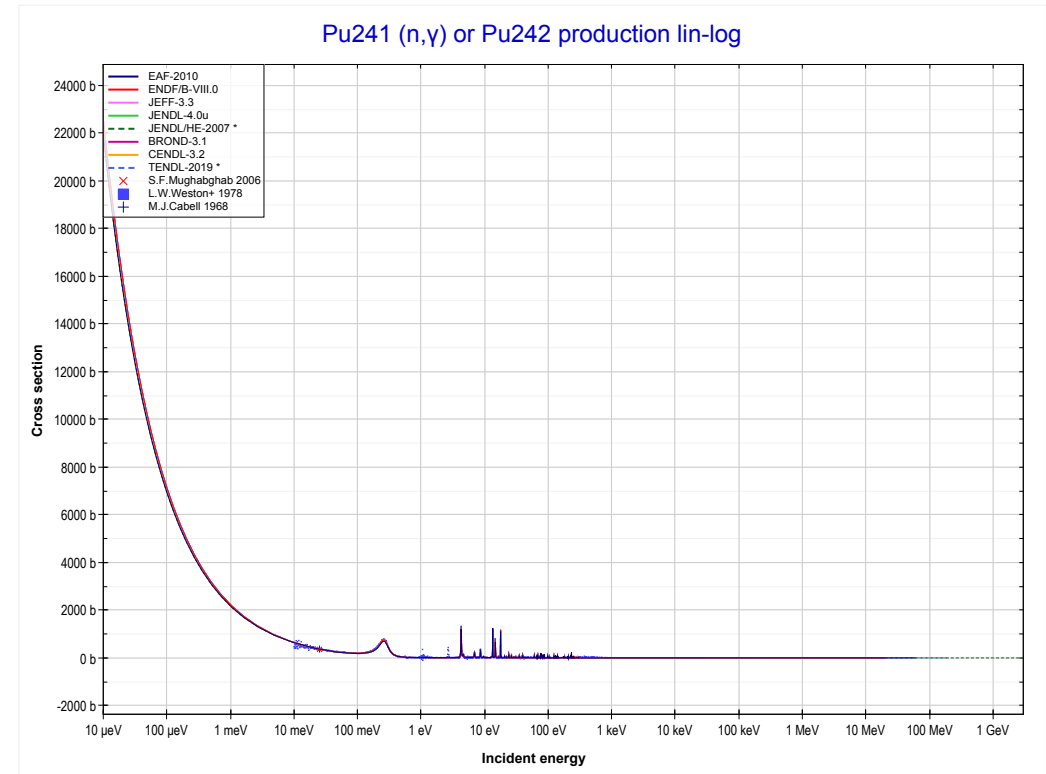
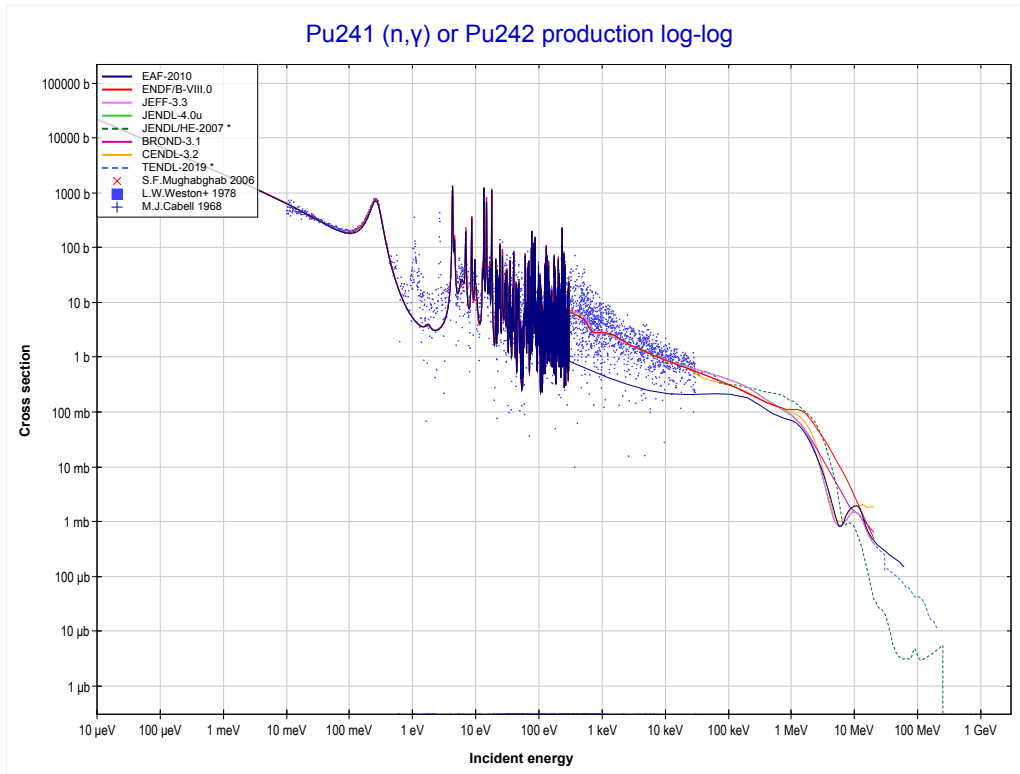
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 11.2591 b | 11.2591 b | 12.473 b | 1.1078 | 150.668 b | 4.23294 b | 3.2756 b |
| JEFF-3.3 | 11.2591 b | 11.2591 b | 12.473 b | 1.1078 | 157.375 b | 4.57333 b | 2.66982 b |
| JENDL-4.0u | 11.2591 b | 11.2591 b | 12.473 b | 1.1078 | 157.375 b | 4.57333 b | 2.66982 b |
| JENDL/HE-2007 | 11.3587 b | 11.3587 b | 12.59 b | 1.10836 | 152.519 b | 5.18917 b | 3.32978 b |
| BROND-3.1 | 11.2591 b | 11.2591 b | 12.473 b | 1.1078 | 151.42 b | 4.54761 b | 2.87583 b |
| CENDL-3.2 | 11.3587 b | 11.3587 b | 12.59 b | 1.10836 | 152.308 b | 4.77708 b | 2.80302 b |
| TENDL-2019 | 11.2605 b | 11.2605 b | 12.477 b | 1.108 | 172.859 b | 4.57286 b | 2.66983 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 94-Pu-240 | 94-Pu-241 | 94-Pu-242 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



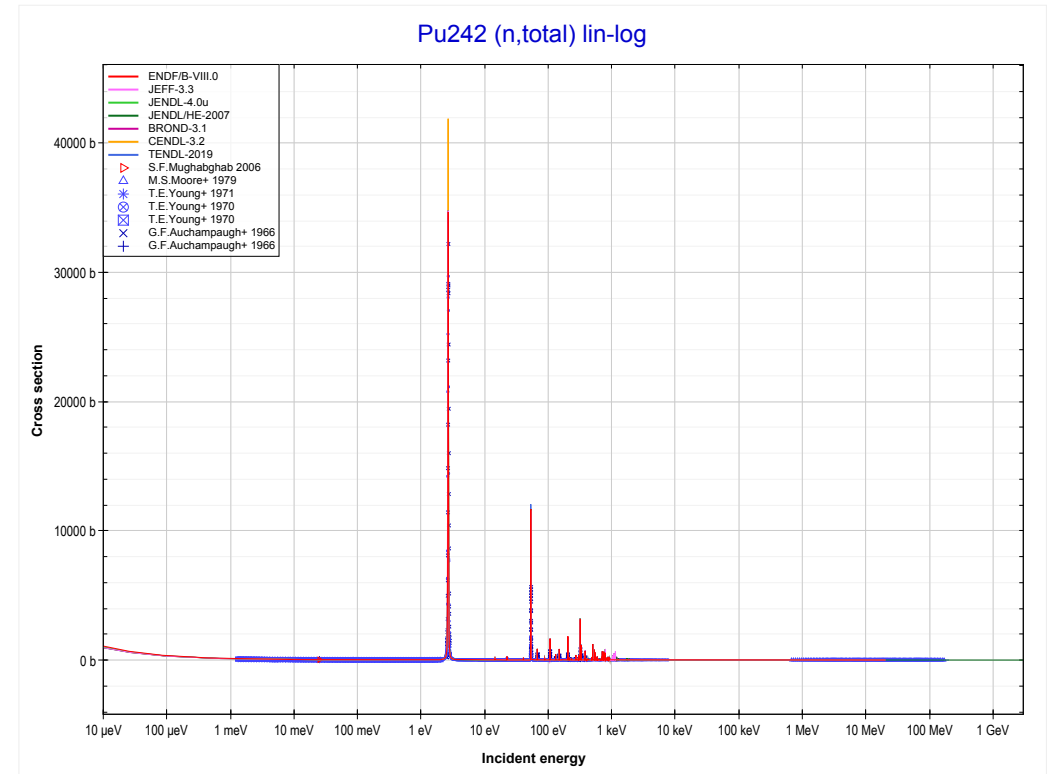
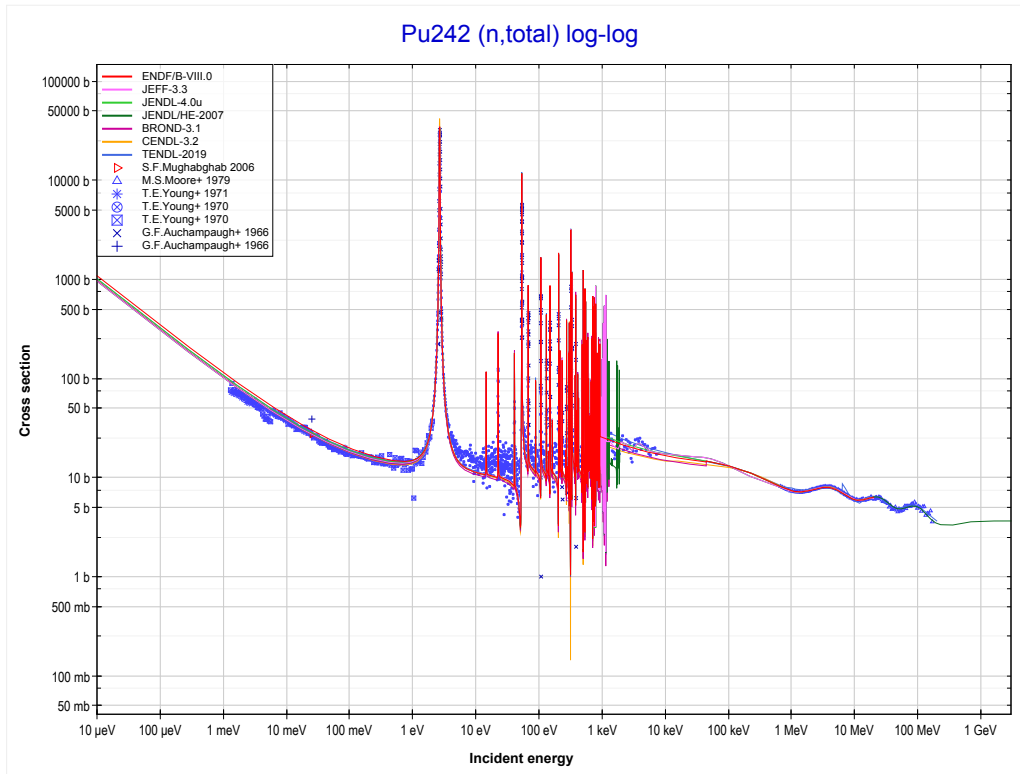
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1012.99 b | 1012.26 b | 1066 b | 1.05309 | 570.749 b | 1.62573 b | 2.18236 b |
| ENDF/B-VIII.0 | 1012.26 b | 1012.26 b | 1059.6 b | 1.04677 | 560.669 b | 1.60116 b | 2.199 b |
| JEFF-3.3 | 1012.26 b | 1012.26 b | 1059.6 b | 1.04677 | 559.57 b | 1.62795 b | 2.2602 b |
| JENDL-4.0u | 1012.26 b | 1012.26 b | 1059.6 b | 1.04677 | 559.57 b | 1.62795 b | 2.2602 b |
| JENDL/HE-2007 | 1012.23 b | 1012.23 b | 1058.7 b | 1.04593 | 563.267 b | 1.65232 b | 2.2578 b |
| BROND-3.1 | 1012.26 b | 1012.26 b | 1059.6 b | 1.04677 | 560.703 b | 1.62829 b | 2.17716 b |
| CENDL-3.2 | 1012.23 b | 1012.23 b | 1058.7 b | 1.04593 | 563.332 b | 1.63391 b | 2.1882 b |
| TENDL-2019 | 1012.07 b | 1012.07 b | 1059.1 b | 1.04652 | 583.406 b | 1.6268 b | 2.2602 b |

| | | |
|---------------------|--|----------------------------|
| << 94-Pu-240 | 94-Pu-241 | 94-Pu-242 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu242 production) | 94-Pu-242 MT1 (n,total) >> |



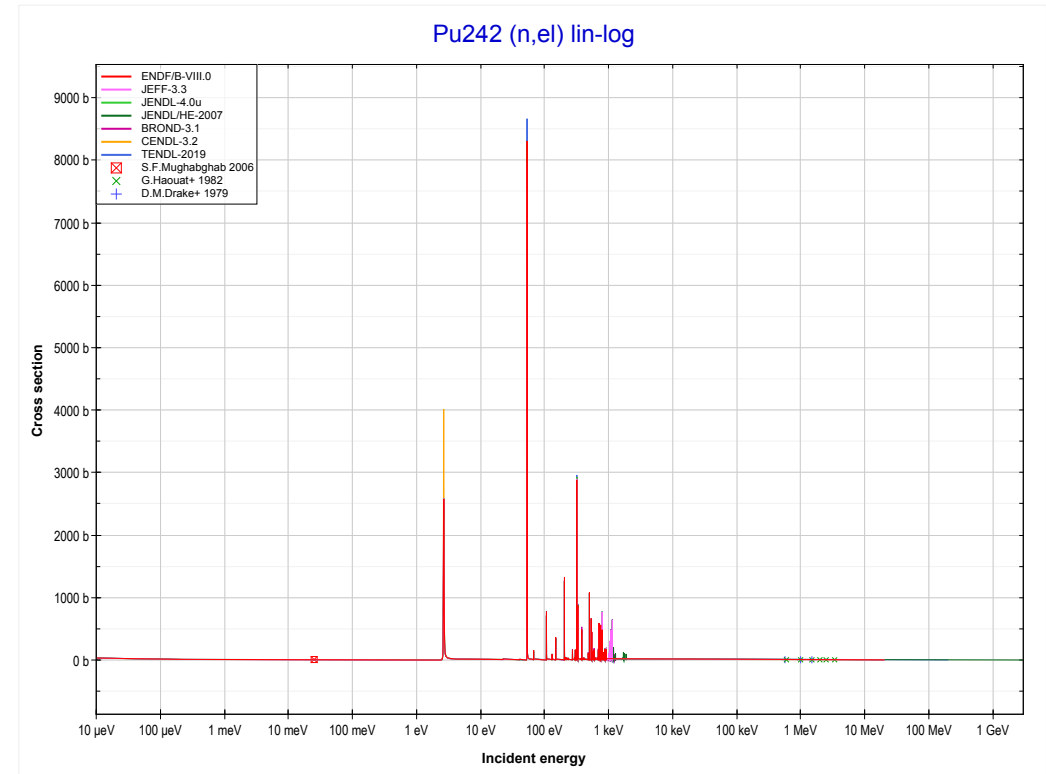
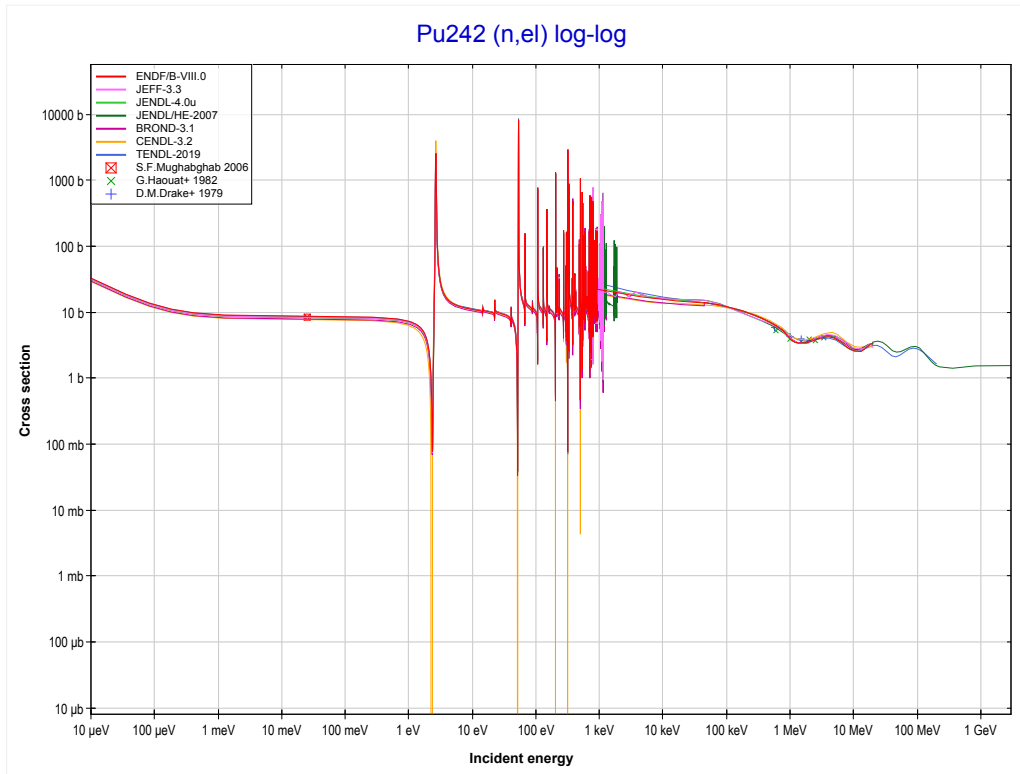
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 363.277 b | 362.931 b | 369.59 b | 1.01814 | 161.267 b | 0.0524439 b | 0.0010605 b |
| ENDF/B-VIII.0 | 363.028 b | 363.028 b | 373.64 b | 1.02922 | 179.536 b | 0.0936707 b | 0.0012126 b |
| JEFF-3.3 | 363.028 b | 363.028 b | 373.64 b | 1.02922 | 179.967 b | 0.0743111 b | 9.20683E-4 b |
| JENDL-4.0u | 363.028 b | 363.028 b | 373.64 b | 1.02922 | 179.967 b | 0.0743111 b | 9.20683E-4 b |
| JENDL/HE-2007 | 361.4 b | 361.4 b | 367.91 b | 1.01803 | 179.182 b | 0.120553 b | 2.40135E-4 b |
| BROND-3.1 | 363.028 b | 363.028 b | 373.64 b | 1.02922 | 179.537 b | 0.0715168 b | 0.00106754 b |
| CENDL-3.2 | 361.4 b | 361.4 b | 367.91 b | 1.01803 | 179.086 b | 0.0766177 b | 0.0020146 b |
| TENDL-2019 | 362.938 b | 362.938 b | 373.42 b | 1.02887 | 186.686 b | 0.074478 b | 9.20685E-4 b |

| | | |
|-----------------------------------|----------------------|--------------------|
| << 94-Pu-241 | 94-Pu-242 | 95-Am-241 >> |
| << 94-Pu-241 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



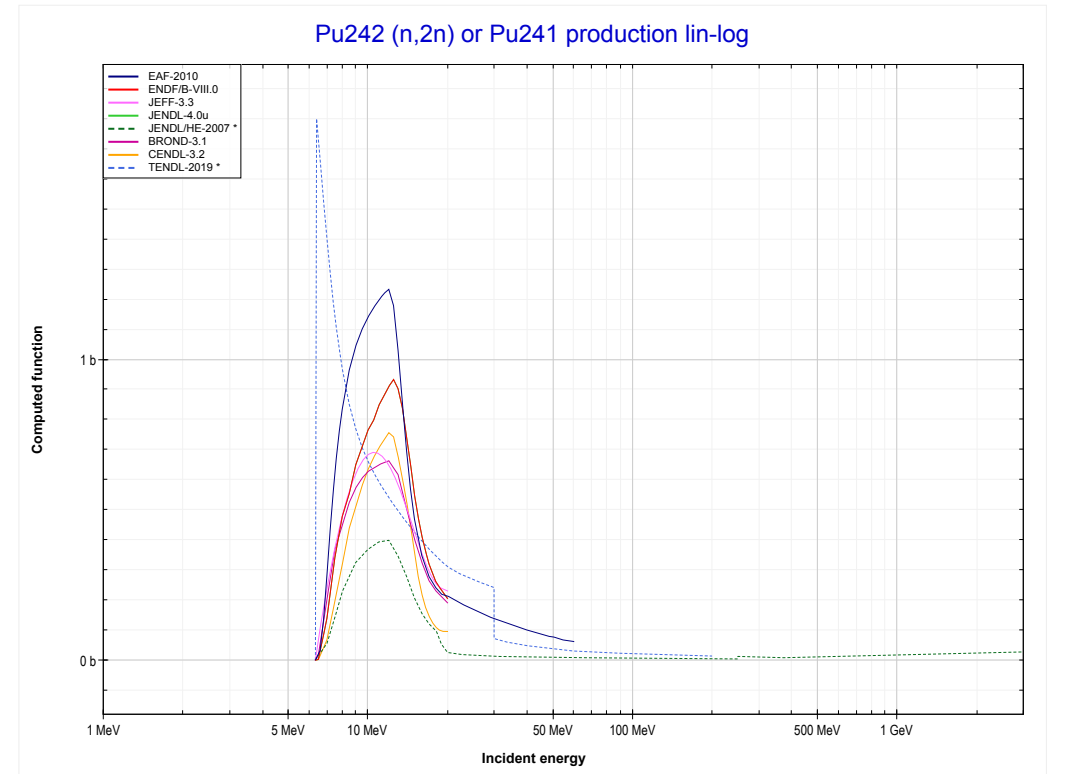
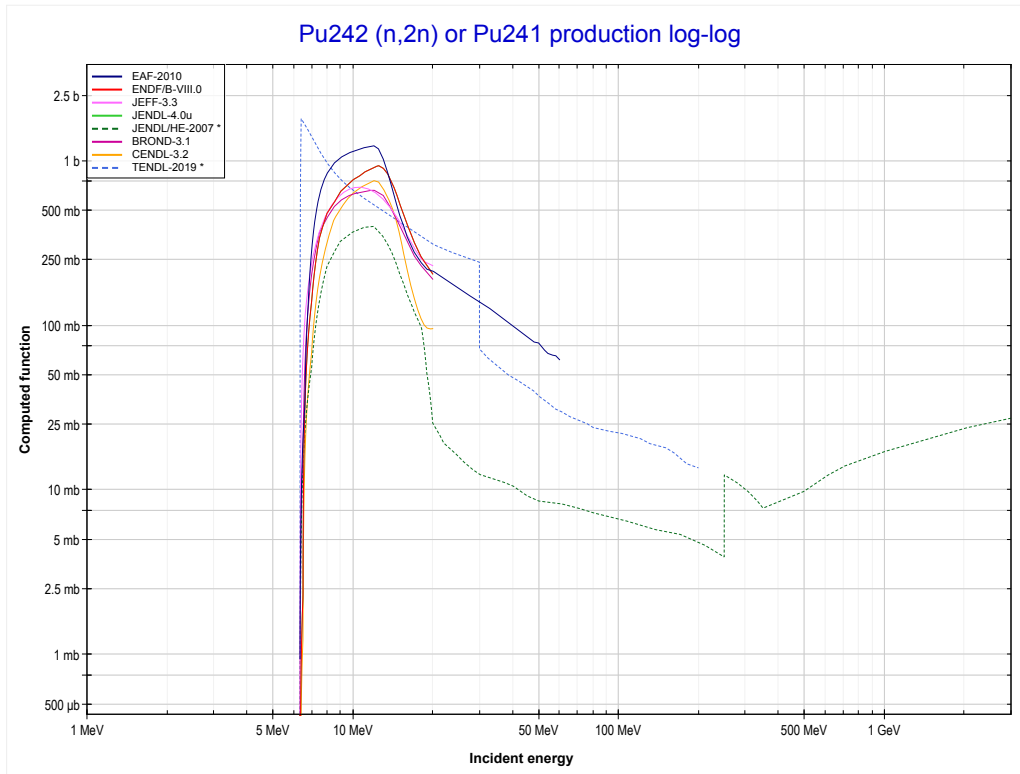
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 29.9961 b | 29.9961 b | 31.262 b | 1.04219 | 1446.21 b | 8.0036 b | 5.97428 b |
| JEFF-3.3 | 27.1349 b | 27.1349 b | 28.37 b | 1.0455 | 1453.75 b | 7.9526 b | 5.9537 b |
| JENDL-4.0u | 28.2114 b | 28.2114 b | 29.456 b | 1.04411 | 1443.96 b | 8.00417 b | 5.96895 b |
| JENDL/HE-2007 | 27.0765 b | 27.0765 b | 28.301 b | 1.04524 | 1450.44 b | 7.95205 b | 5.94943 b |
| BROND-3.1 | 26.9229 b | 26.9229 b | 28.105 b | 1.04389 | 1426.99 b | 7.99843 b | 5.97274 b |
| CENDL-3.2 | 26.9064 b | 26.9064 b | 28.06 b | 1.04287 | 1624.04 b | 8.03491 b | 6.033 b |
| TENDL-2019 | 28.442 b | 28.442 b | 29.707 b | 1.04448 | 1453.08 b | 8.20649 b | 5.89828 b |

| | | |
|------------------|------------------------|----------------|
| << 94-Pu-241 | 94-Pu-242 | 96-Cm-244 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT16 (n,2n) >> |



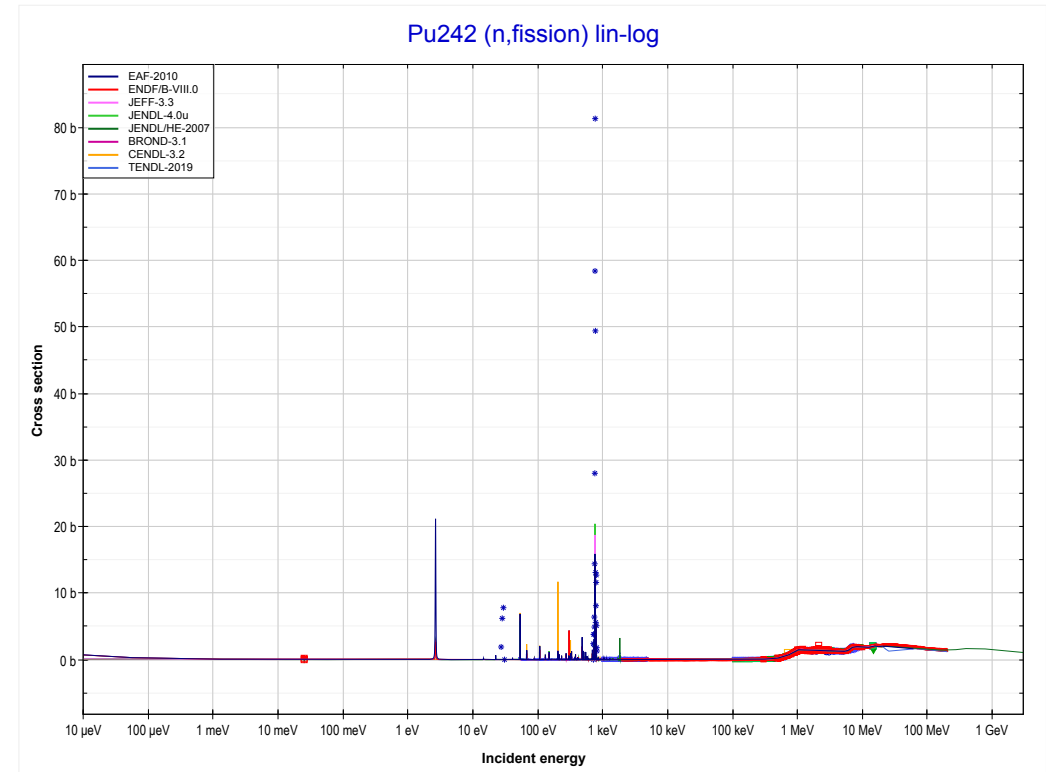
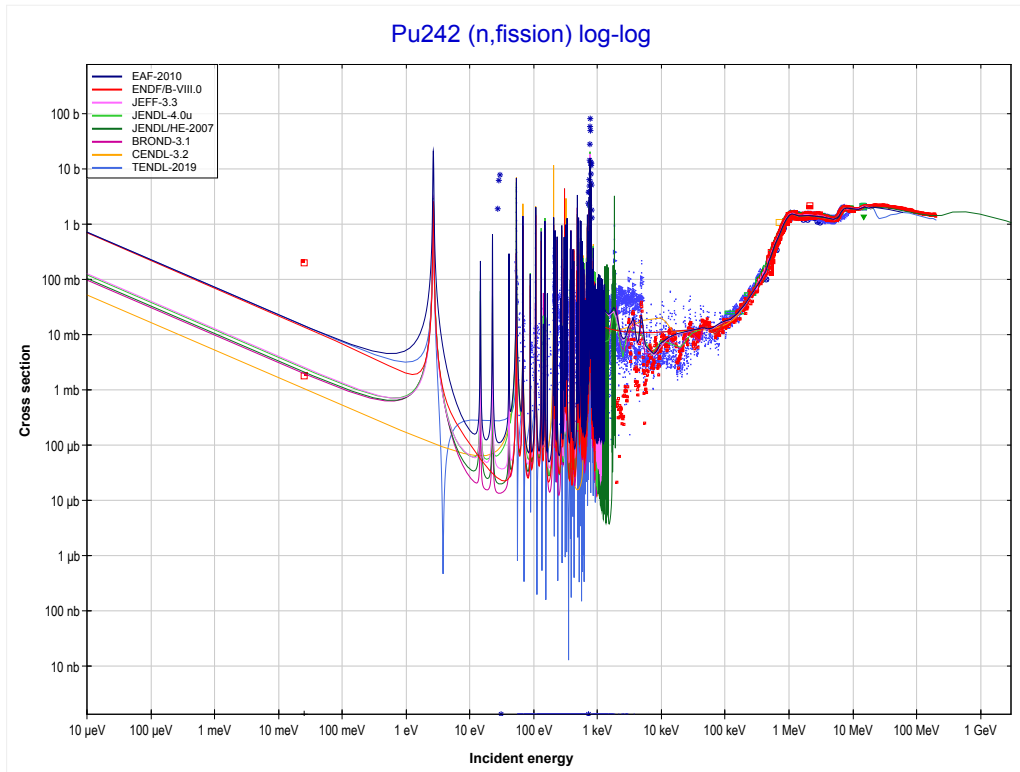
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 8.71511 b | 8.71511 b | 9.8047 b | 1.12502 | 322.416 b | 4.78747 b | 2.6352 b |
| JEFF-3.3 | 8.33697 b | 8.33697 b | 9.3822 b | 1.12537 | 322.968 b | 4.81423 b | 2.7906 b |
| JENDL-4.0u | 8.32563 b | 8.32563 b | 9.3697 b | 1.1254 | 318.418 b | 4.7684 b | 2.62966 b |
| JENDL/HE-2007 | 8.31344 b | 8.31344 b | 9.3561 b | 1.12542 | 323.156 b | 4.75599 b | 2.90705 b |
| BROND-3.1 | 7.87981 b | 7.87981 b | 8.8672 b | 1.1253 | 303.849 b | 4.88299 b | 2.83814 b |
| CENDL-3.2 | 7.74486 b | 7.74486 b | 8.711 b | 1.12475 | 351.265 b | 5.2311 b | 2.99035 b |
| TENDL-2019 | 8.62555 b | 8.62555 b | 9.7077 b | 1.12546 | 331.015 b | 4.93435 b | 2.70607 b |

| | | |
|--------------------|--|---------------------|
| << 94-Pu-240 | 94-Pu-242 | 95-Am-241 >> |
| << MT2 (n,elastic) | MT16 (n,2n) or MT5 (Pu241 production) | MT18 (n,fission) >> |



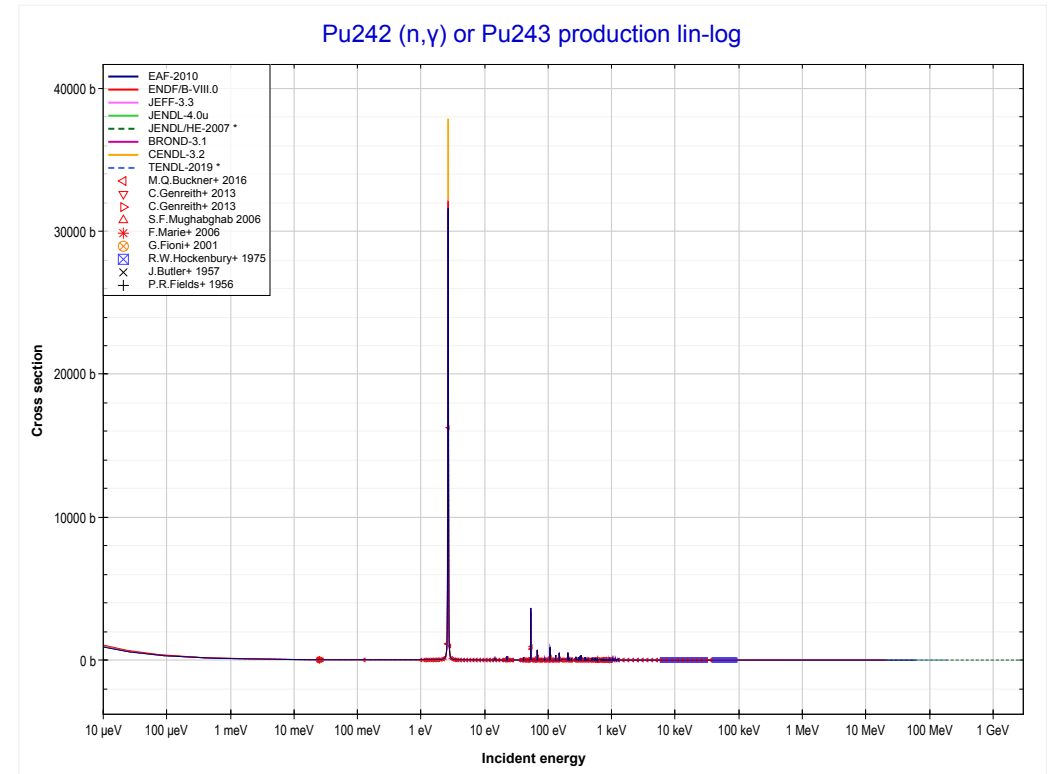
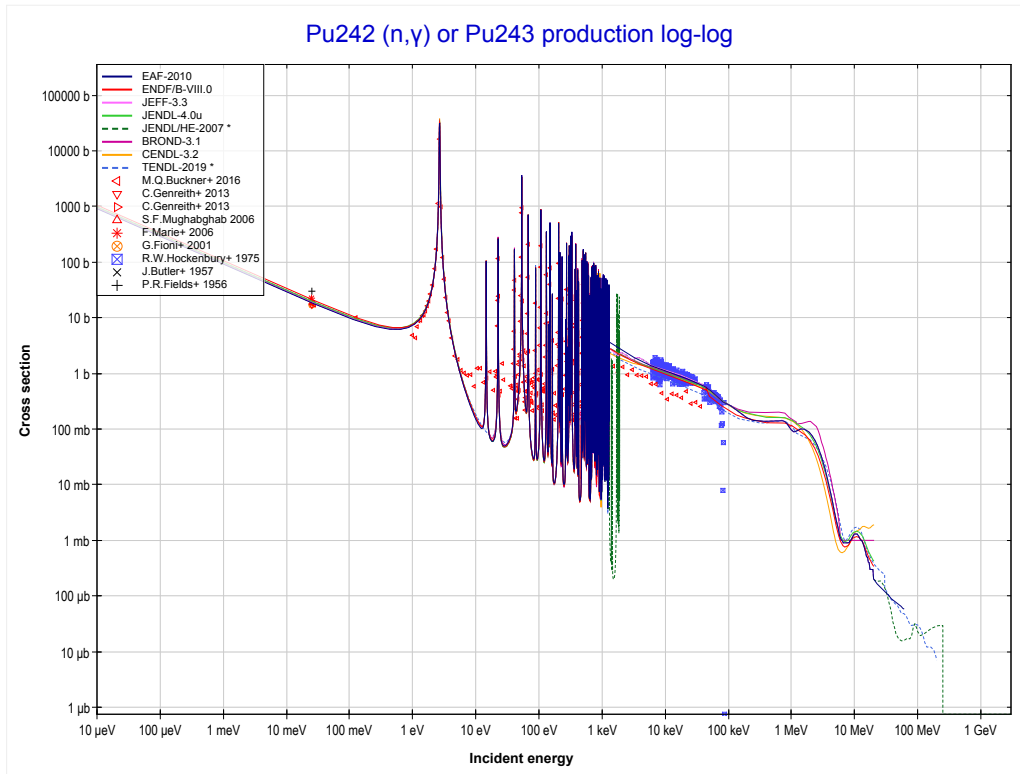
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0132093 b | 0.697055 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00795579 b | 0.741936 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00850733 b | 0.506234 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00795579 b | 0.741936 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00372387 b | 0.27872 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00768356 b | 0.50367 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00568449 b | 0.52929 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0287992 b | 0.457841 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 94-Pu-241 | 94-Pu-242 | 94-Pu-243 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT102 (n, γ) >> |



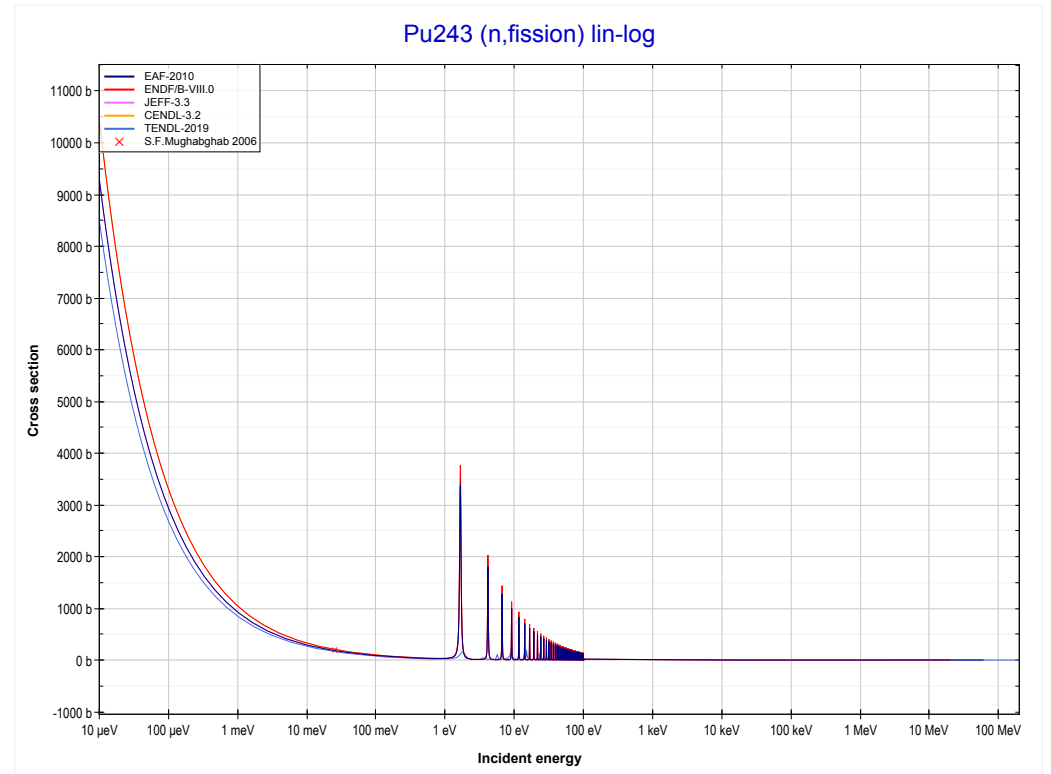
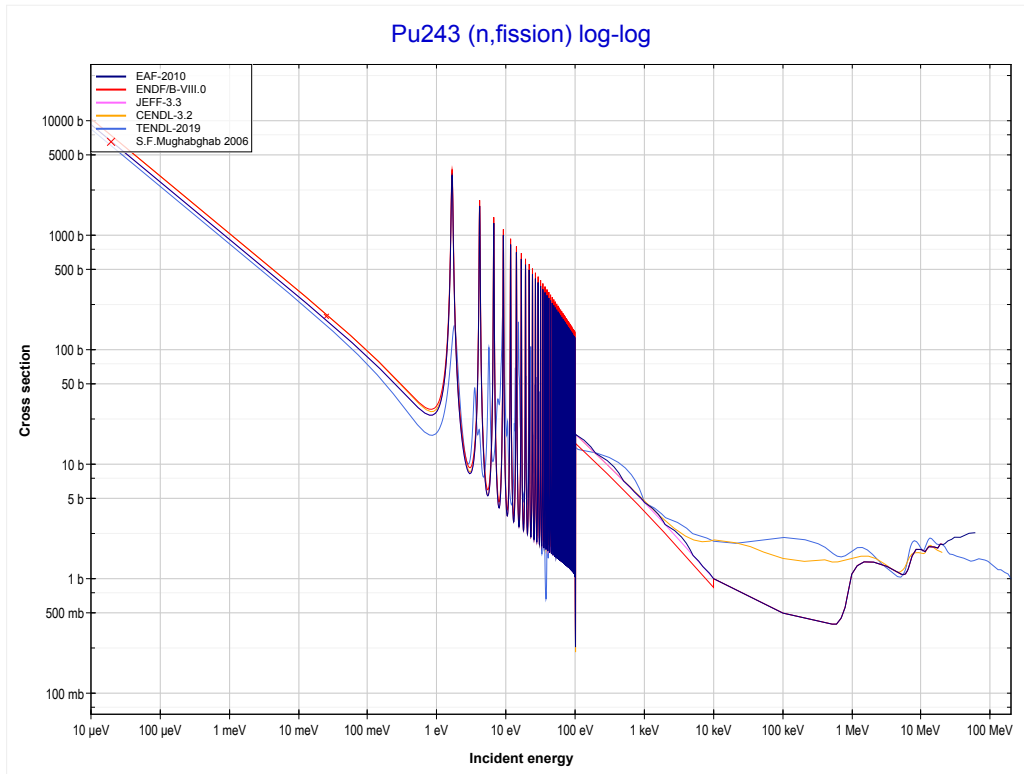
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.0144986 b | 0.0144881 b | 0.014606 b | 1.00817 | 0.941783 b | 1.12282 b | 1.9907 b |
| ENDF/B-VIII.0 | 0.0138209 b | 0.0138209 b | 0.013787 b | 0.99755 | 0.231634 b | 1.13876 b | 2.006 b |
| JEFF-3.3 | 0.00255745 b | 0.00255745 b | 0.0025729 b | 1.00603 | 0.253494 b | 1.15509 b | 2.0886 b |
| JENDL-4.0u | 0.00243613 b | 0.00243613 b | 0.0024537 b | 1.0072 | 0.270884 b | 1.13885 b | 2.006 b |
| JENDL/HE-2007 | 0.00209973 b | 0.00209973 b | 0.0021163 b | 1.0079 | 0.24642 b | 1.1148 b | 2.02661 b |
| BROND-3.1 | 0.00196638 b | 0.00196638 b | 0.0019845 b | 1.00921 | 0.213863 b | 1.13781 b | 2.01097 b |
| CENDL-3.2 | 0.00104236 b | 0.00104236 b | 0.0010427 b | 1.00033 | 0.229631 b | 1.11354 b | 1.98969 b |
| TENDL-2019 | 0.0144296 b | 0.0144296 b | 0.014474 b | 1.0031 | 0.219293 b | 1.14032 b | 2.006 b |

| | | |
|---------------------|--|-------------------------------|
| << 94-Pu-241 | 94-Pu-242 | 94-Pu-243 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu243 production) | 94-Pu-243 MT18 (n,fission) >> |



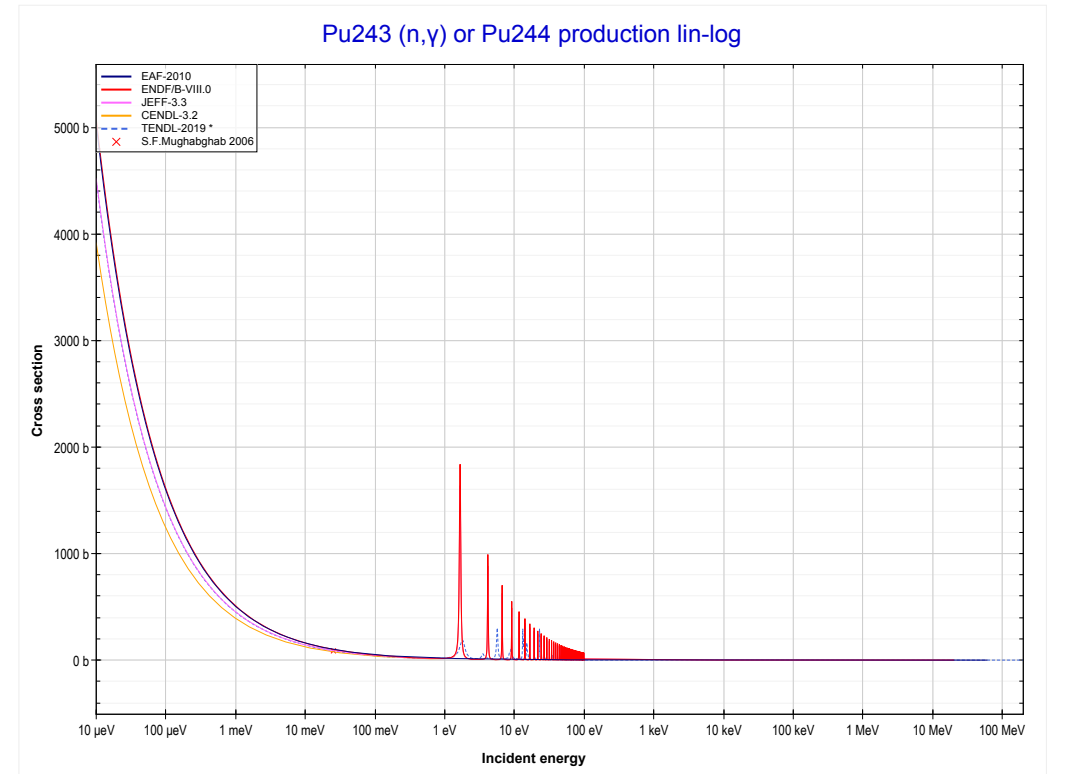
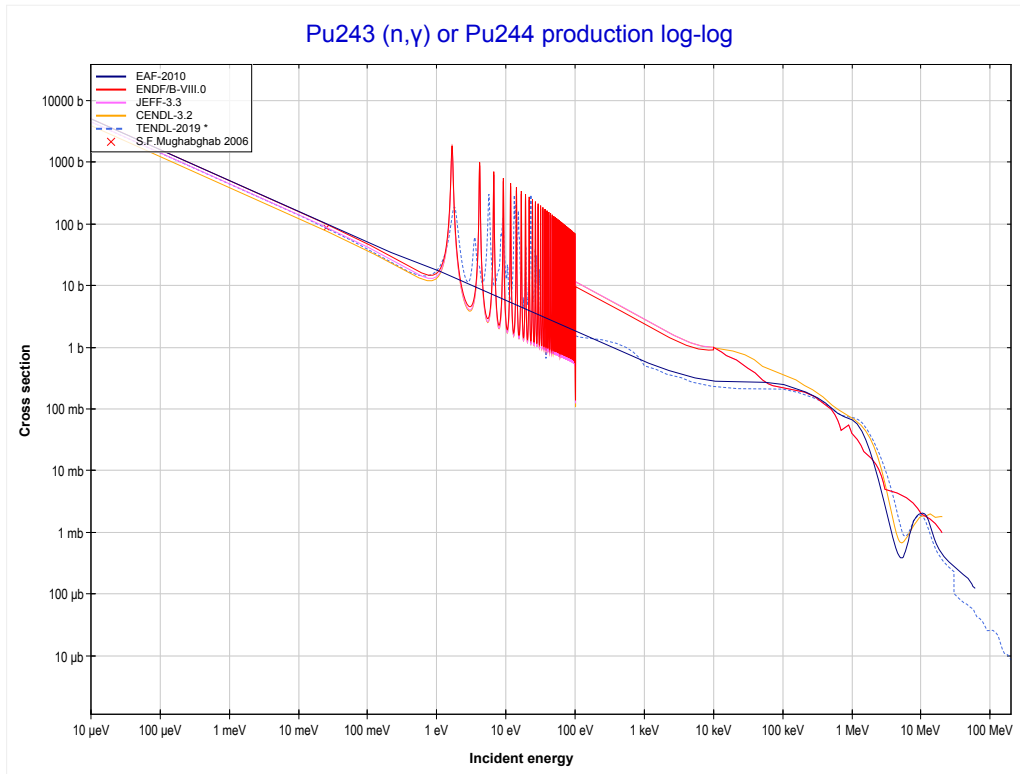
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.5241 b | 18.5107 b | 18.69 b | 1.00972 | 1115.84 b | 0.0890614 b | 8E-4 b |
| ENDF/B-VIII.0 | 21.2671 b | 21.2671 b | 21.443 b | 1.00828 | 1123.32 b | 0.0803032 b | 8.46E-4 b |
| JEFF-3.3 | 18.7954 b | 18.7954 b | 18.985 b | 1.01008 | 1130.23 b | 0.0891961 b | 8E-4 b |
| JENDL-4.0u | 19.8834 b | 19.8834 b | 20.084 b | 1.01008 | 1125.03 b | 0.0998503 b | 0.00105862 b |
| JENDL/HE-2007 | 18.7609 b | 18.7609 b | 18.943 b | 1.0097 | 1126.79 b | 0.0891528 b | 8E-4 b |
| BROND-3.1 | 19.0411 b | 19.0411 b | 19.235 b | 1.0102 | 1122.64 b | 0.12729 b | 0.001 b |
| CENDL-3.2 | 19.1604 b | 19.1604 b | 19.348 b | 1.00977 | 1272.32 b | 0.092 b | 0.00179804 b |
| TENDL-2019 | 19.8021 b | 19.8021 b | 19.985 b | 1.00922 | 1121.64 b | 0.0798637 b | 0.00102935 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 94-Pu-242 | 94-Pu-243 | 94-Pu-244 >> |
| << 94-Pu-242 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



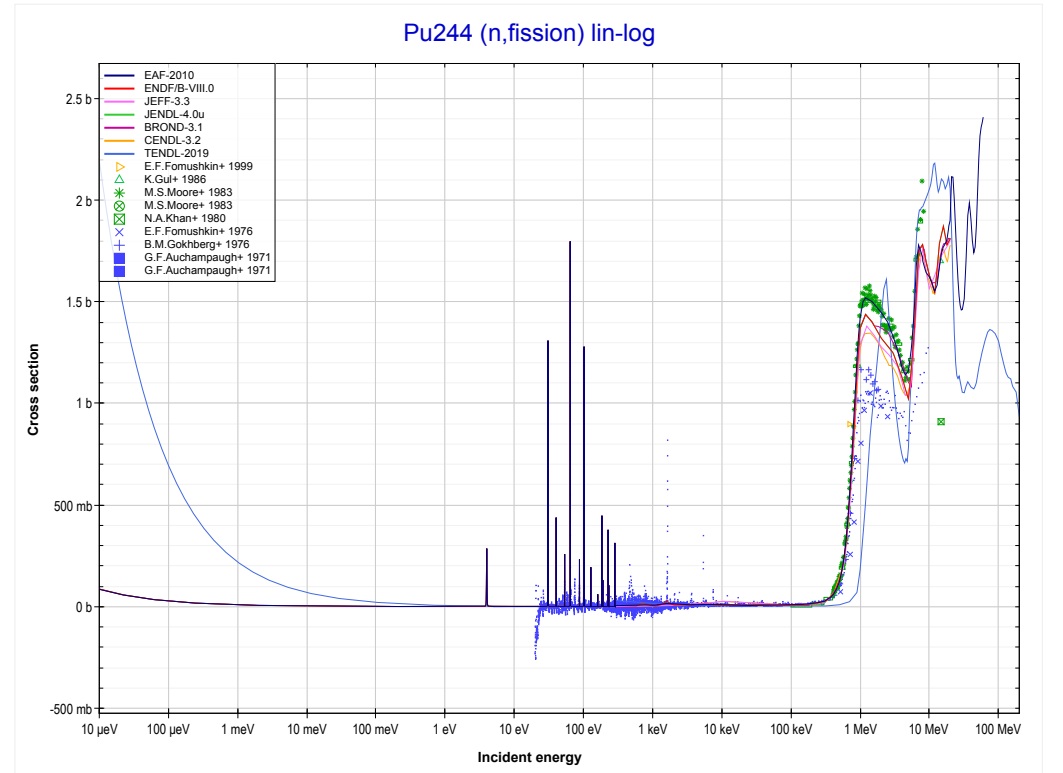
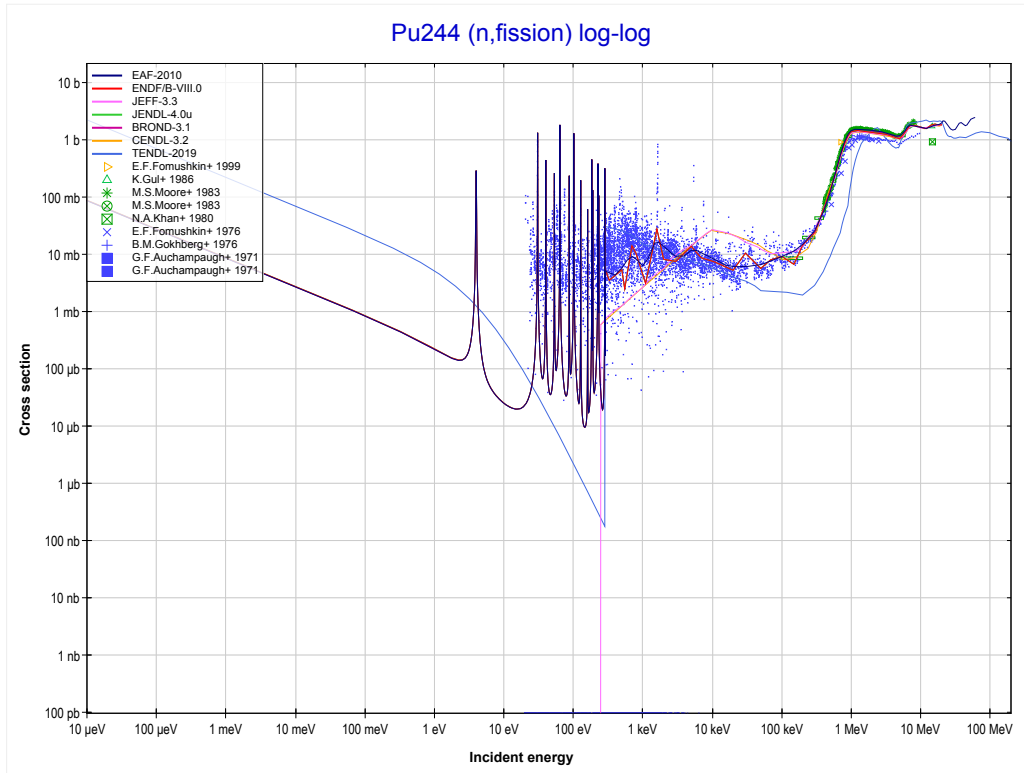
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 181.377 b | 181.24 b | 179.71 b | 0.99153 | 554.102 b | 1.0653 b | 1.9 b |
| ENDF/B-VIII.0 | 204.081 b | 204.081 b | 202.43 b | 0.99193 | 613.724 b | 1.06516 b | 1.9 b |
| JEFF-3.3 | 181.407 b | 181.407 b | 179.94 b | 0.99193 | 553.303 b | 1.06528 b | 1.9 b |
| CENDL-3.2 | 204.081 b | 204.081 b | 202.29 b | 0.99121 | 559.61 b | 1.44218 b | 1.9501 b |
| TENDL-2019 | 163.264 b | 163.264 b | 160.67 b | 0.98411 | 191.412 b | 1.60895 b | 2.25098 b |

| | | |
|---------------------|--|-------------------------------|
| << 94-Pu-242 | 94-Pu-243 | 94-Pu-244 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu244 production) | 94-Pu-244 MT18 (n,fission) >> |



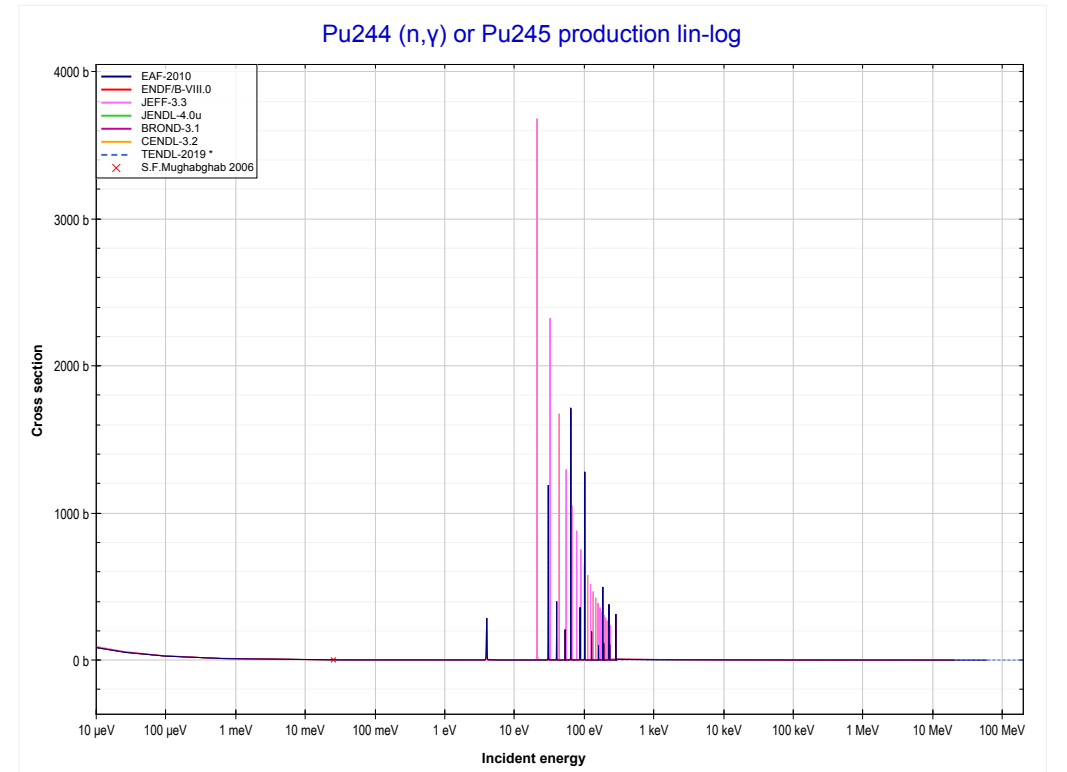
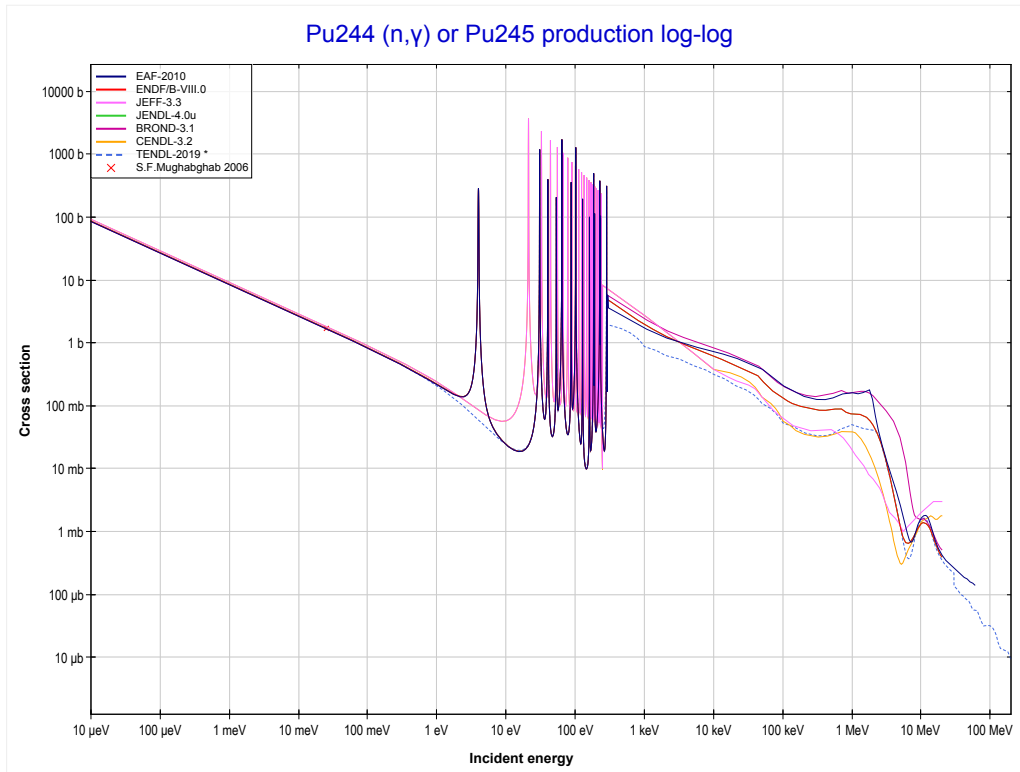
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 100 b | 99.925 b | 99.939 b | 1.00014 | 51.2195 b | 0.0505613 b | 0.00115251 b |
| ENDF/B-VIII.0 | 99.1257 b | 99.1257 b | 98.327 b | 0.99194 | 303.365 b | 0.0438688 b | 0.0016 b |
| JEFF-3.3 | 88.1127 b | 88.1127 b | 87.403 b | 0.99194 | 274.492 b | 0.0439404 b | 0.0016 b |
| CENDL-3.2 | 76.4538 b | 76.4538 b | 75.844 b | 0.99202 | 273.267 b | 0.0655788 b | 0.0019779 b |
| TENDL-2019 | 85.8959 b | 85.8959 b | 84.573 b | 0.9846 | 167.287 b | 0.0560656 b | 8.39408E-4 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 94-Pu-243 | 94-Pu-244 | 95-Am-238 >> |
| << 94-Pu-243 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



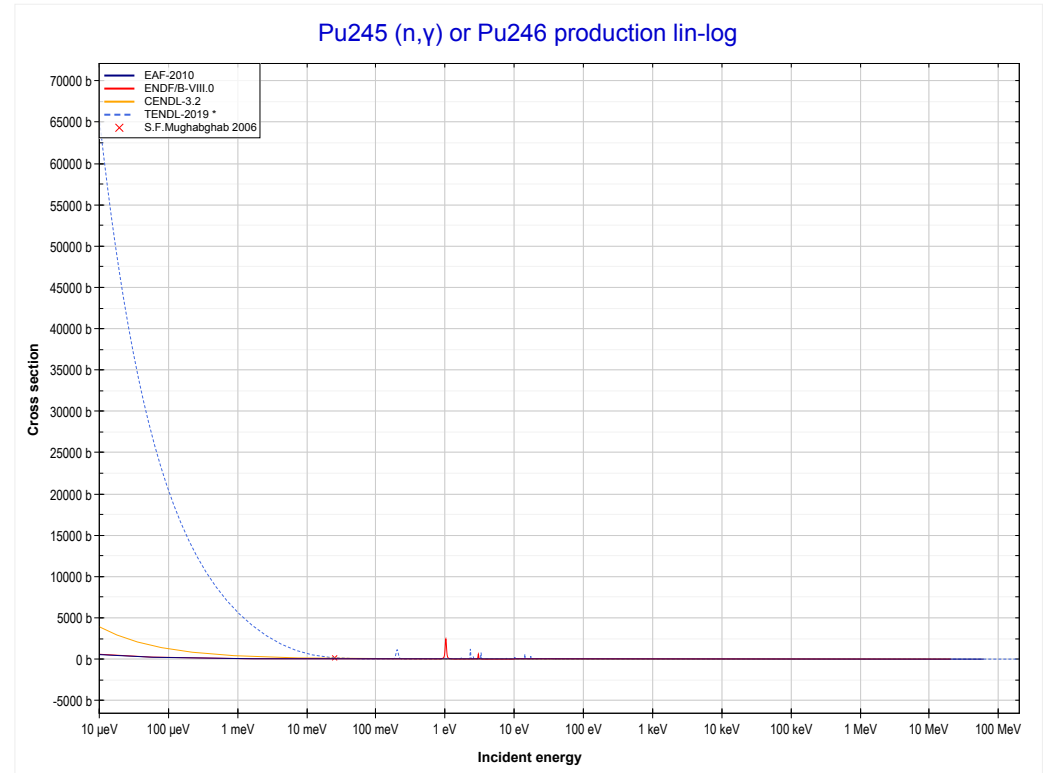
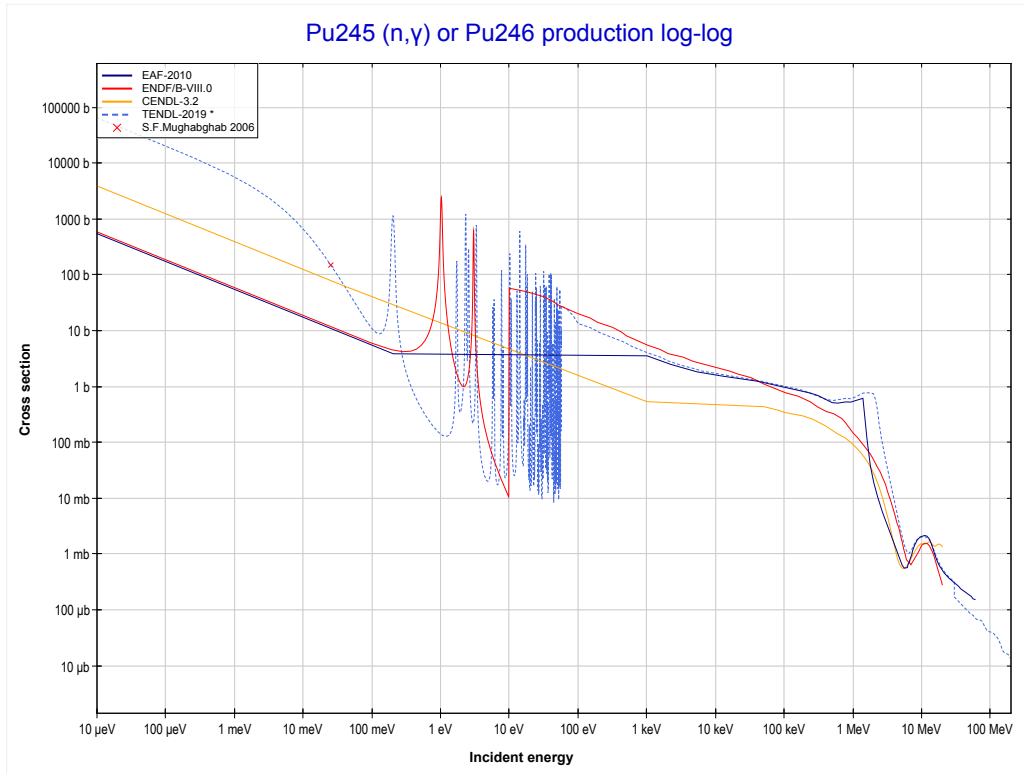
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.00168512 b | 0.00168388 b | 0.0016786 b | 0.99686 | 0.0898693 b | 1.09807 b | 1.6717 b |
| ENDF/B-VIII.0 | 0.00171508 b | 0.00171508 b | 0.0017103 b | 0.99721 | 0.0883773 b | 1.02616 b | 1.786 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.0672719 b | 0.991953 b | 1.6946 b |
| JENDL-4.0u | 0.00171508 b | 0.00171508 b | 0.0017103 b | 0.99721 | 0.0883773 b | 1.02616 b | 1.786 b |
| BROND-3.1 | 0.00168538 b | 0.00168538 b | 0.0016807 b | 0.99723 | 0.0883336 b | 1.04967 b | 1.676 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.0668073 b | 0.978454 b | 1.7156 b |
| TENDL-2019 | 0.043333 b | 0.043333 b | 0.043158 b | 0.99596 | 0.0700099 b | 0.739321 b | 2.05579 b |

| | | |
|---------------------|--|-----------------------------------|
| << 94-Pu-243 | 94-Pu-244 | 94-Pu-245 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Pu245 production) | 94-Pu-245 MT102 (n, γ) >> |



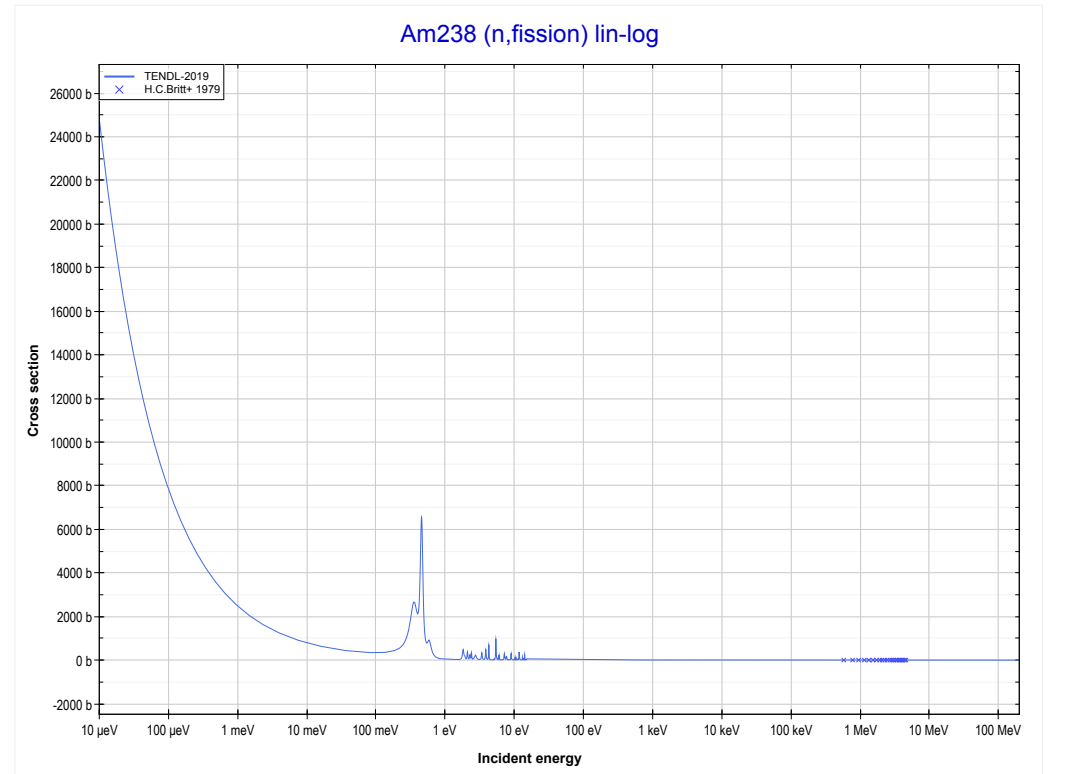
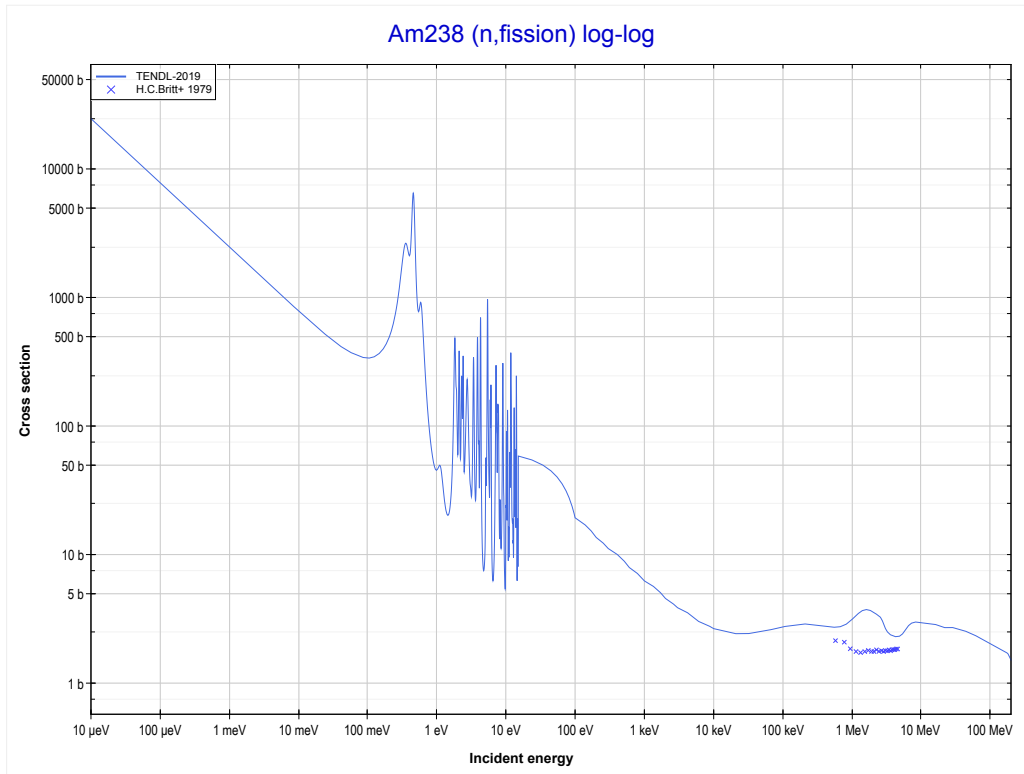
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.68006 b | 1.67883 b | 1.6735 b | 0.99684 | 47.0922 b | 0.105526 b | 0.00121444 b |
| ENDF/B-VIII.0 | 1.71002 b | 1.71002 b | 1.7052 b | 0.9972 | 47.5543 b | 0.0560948 b | 0.00100222 b |
| JEFF-3.3 | 1.83004 b | 1.83004 b | 1.8259 b | 0.99772 | 105.335 b | 0.0176097 b | 0.00280001 b |
| JENDL-4.0u | 1.71002 b | 1.71002 b | 1.7052 b | 0.9972 | 47.5543 b | 0.0560948 b | 0.00100222 b |
| BROND-3.1 | 1.68032 b | 1.68032 b | 1.6756 b | 0.99722 | 49.4018 b | 0.132014 b | 0.00112782 b |
| CENDL-3.2 | 1.82973 b | 1.82973 b | 1.8249 b | 0.99733 | 105.389 b | 0.0225665 b | 0.0017812 b |
| TENDL-2019 | 1.70155 b | 1.70155 b | 1.6954 b | 0.99637 | 37.3471 b | 0.0334411 b | 9.58882E-4 b |

| | | |
|-----------------------------------|--|-------------------------------|
| << 94-Pu-244 | 94-Pu-245 | 95-Am-241 >> |
| << 94-Pu-244 MT102 (n, γ) | MT102 (n,γ) or MT5 (Pu246 production) | 95-Am-238 MT18 (n,fission) >> |



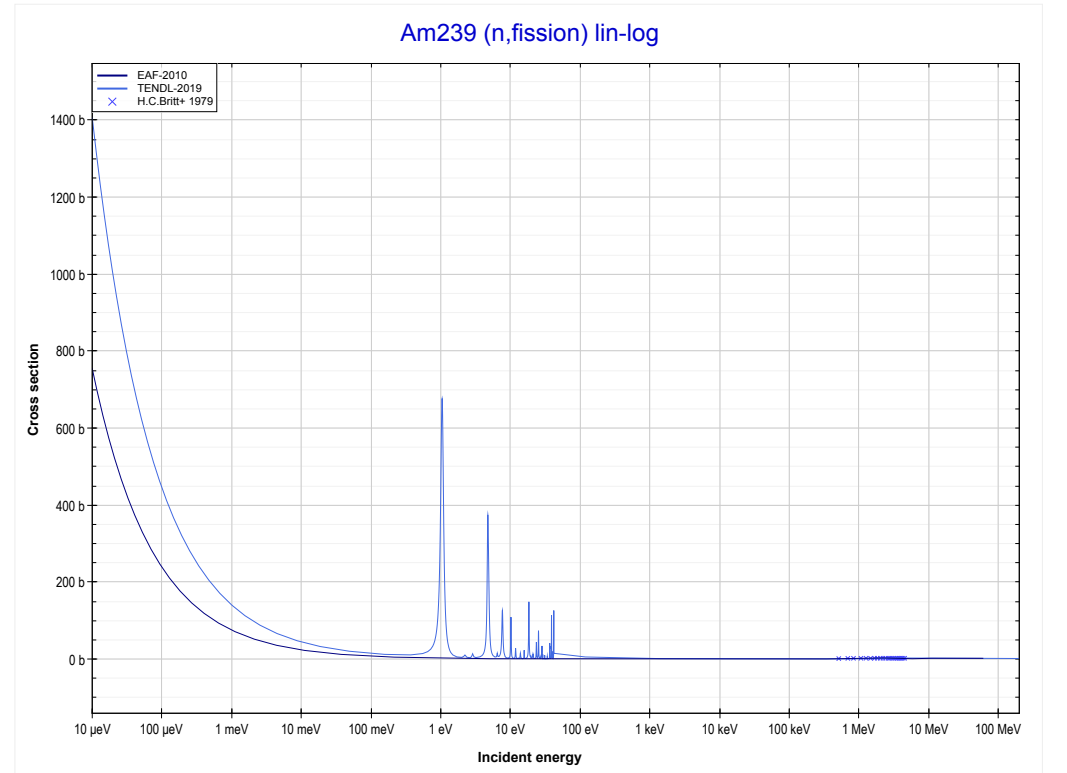
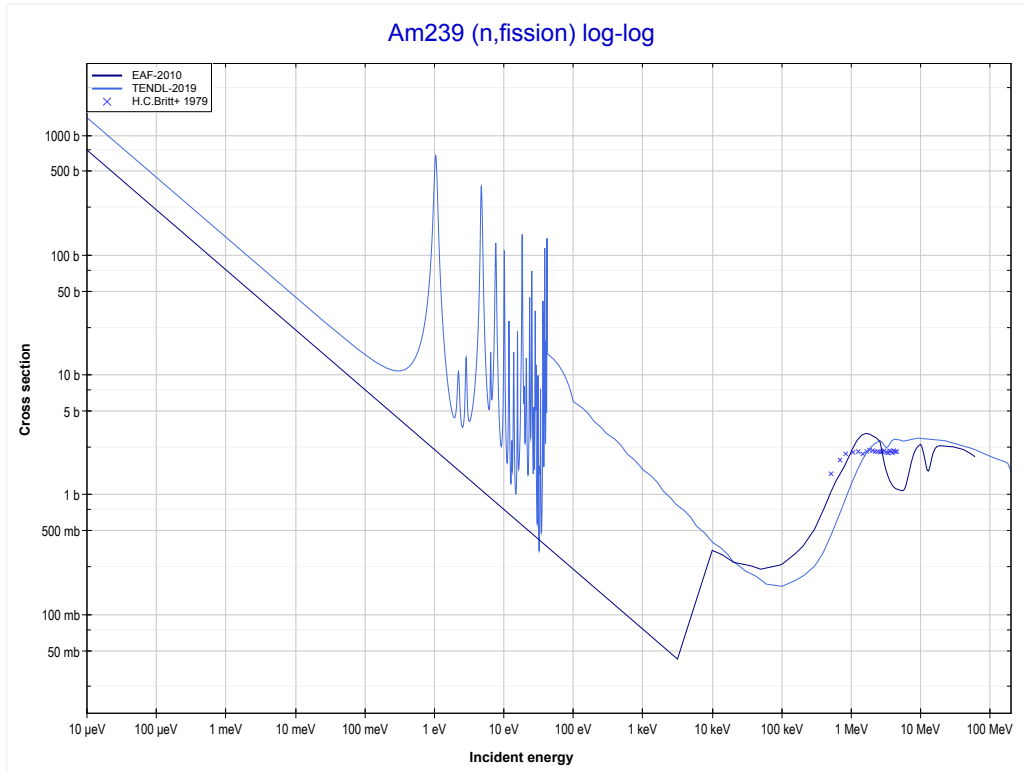
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 10.8921 b | 10.8839 b | 10.885 b | 1.00007 | 36.3828 b | 0.292255 b | 0.00147033 b |
| ENDF/B-VIII.0 | 11.6704 b | 11.6704 b | 11.707 b | 1.00312 | 320.042 b | 0.149749 b | 0.00117134 b |
| CENDL-3.2 | 77.9346 b | 77.9346 b | 78.784 b | 1.01089 | 41.716 b | 0.0765793 b | 0.0015461 b |
| TENDL-2019 | 149.746 b | 149.746 b | 212.23 b | 1.41724 | 123.054 b | 0.475151 b | 0.0014933 b |

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|-----------------------------------|-------------------------|-------------------------------|
| << 94-Pu-244 | 95-Am-238 | 95-Am-239 >> |
| << 94-Pu-245 MT102 (n, γ) | MT18 (n,fission) | 95-Am-239 MT18 (n,fission) >> |



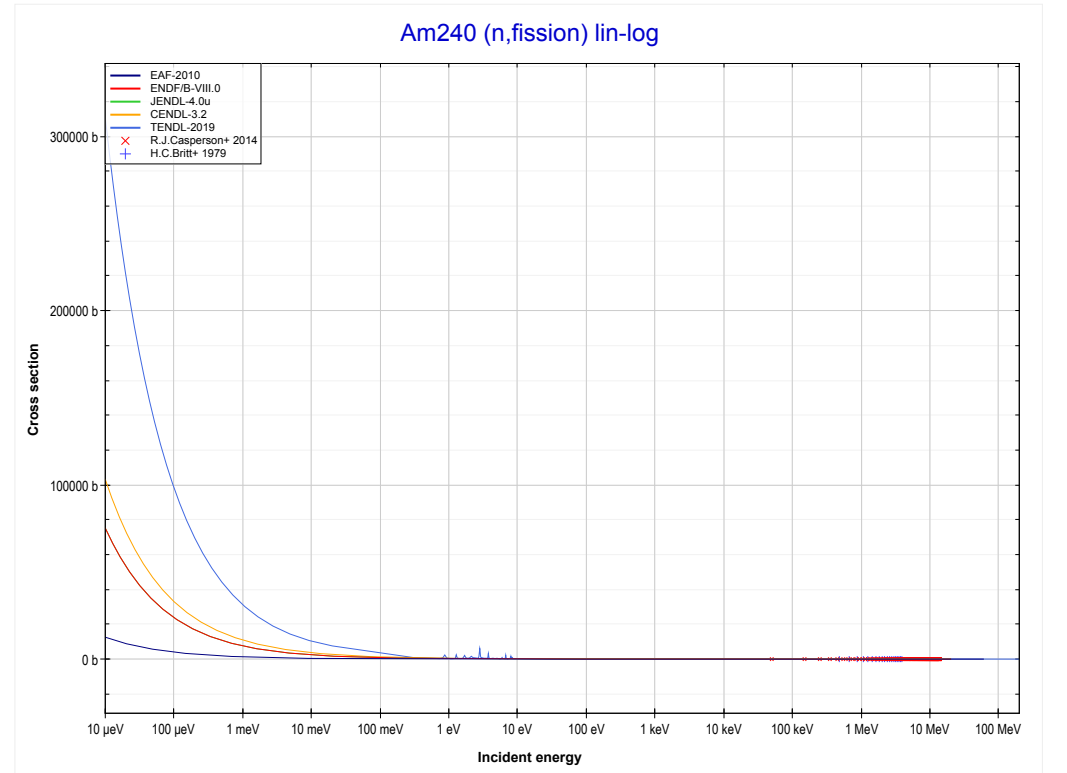
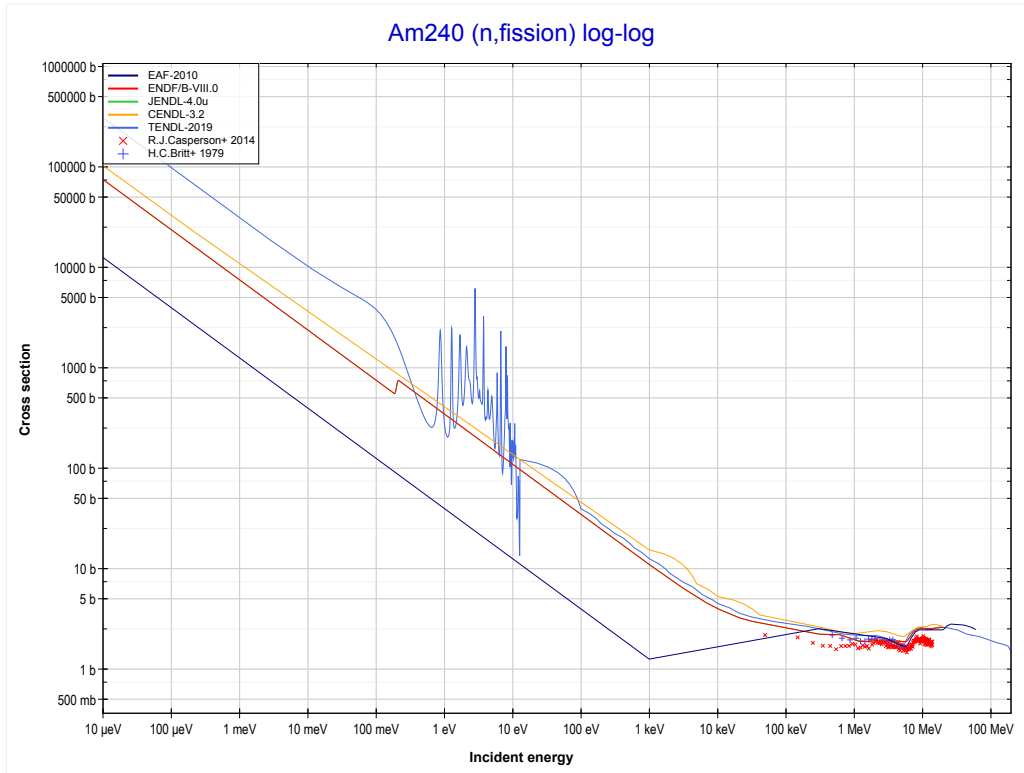
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 512.506 b | 512.506 b | 545.01 b | 1.06342 | 648.99 b | 3.06531 b | 2.9153 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 95-Am-238 | 95-Am-239 | 95-Am-240 >> |
| << 95-Am-238 MT18 (n,fission) | MT18 (n,fission) | 95-Am-240 MT18 (n,fission) >> |



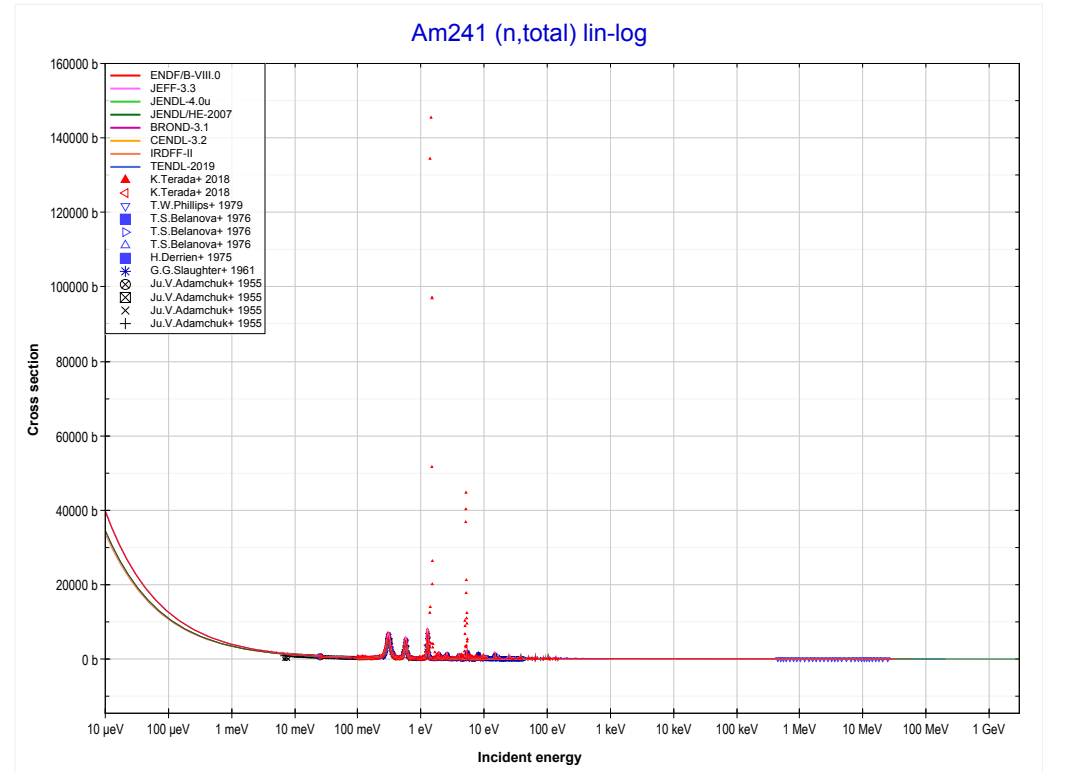
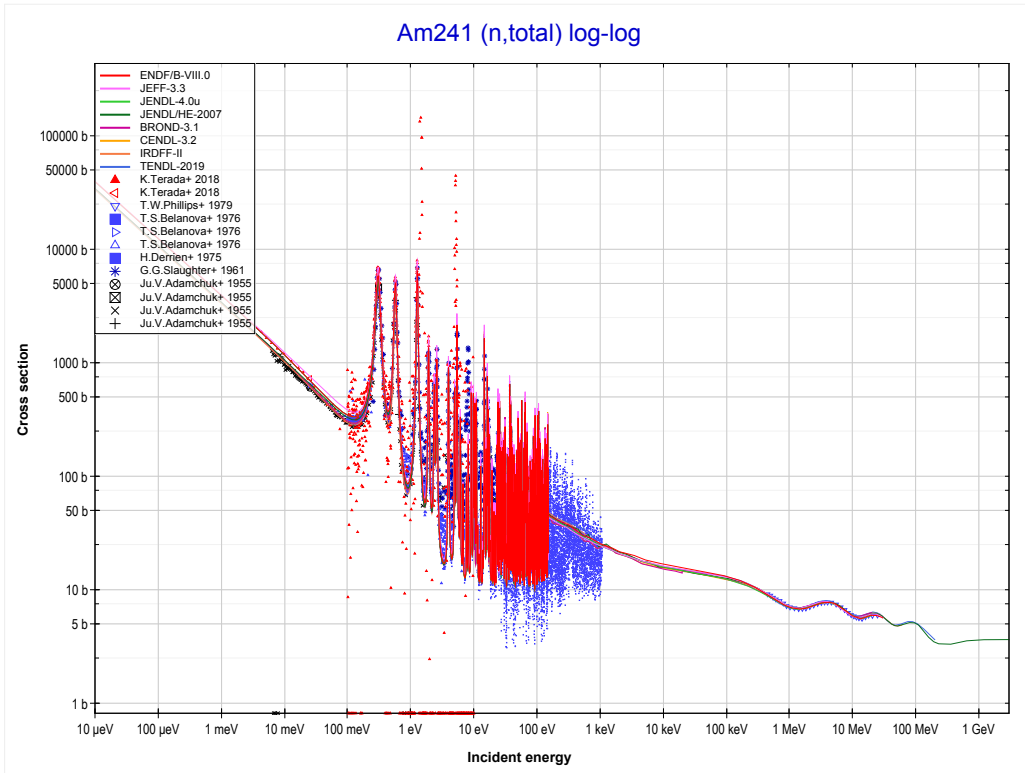
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 15 b | 14.9888 b | 14.989 b | 1.00001 | 7.45623 b | 2.02336 b | 1.84738 b |
| TENDL-2019 | 28.2059 b | 28.2059 b | 28.422 b | 1.00766 | 200.814 b | 1.82695 b | 2.90994 b |

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|-------------------------------|-------------------------|----------------------------|
| << 95-Am-239 | 95-Am-240 | 95-Am-241 >> |
| << 95-Am-239 MT18 (n,fission) | MT18 (n,fission) | 95-Am-241 MT1 (n,total) >> |



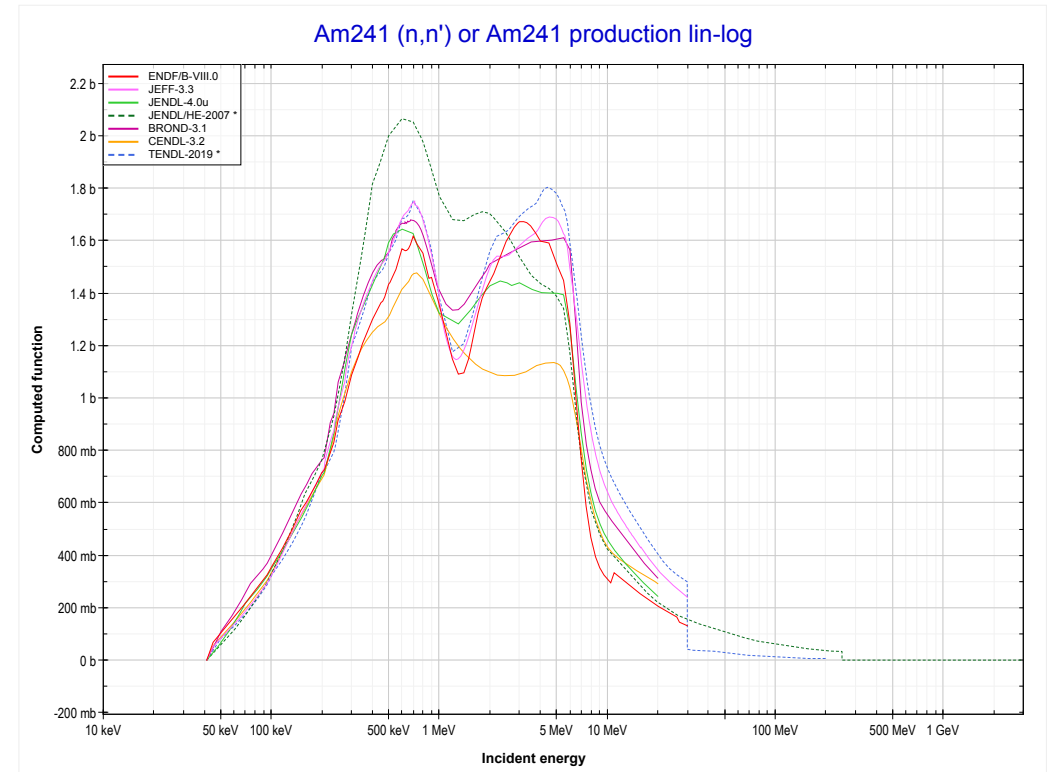
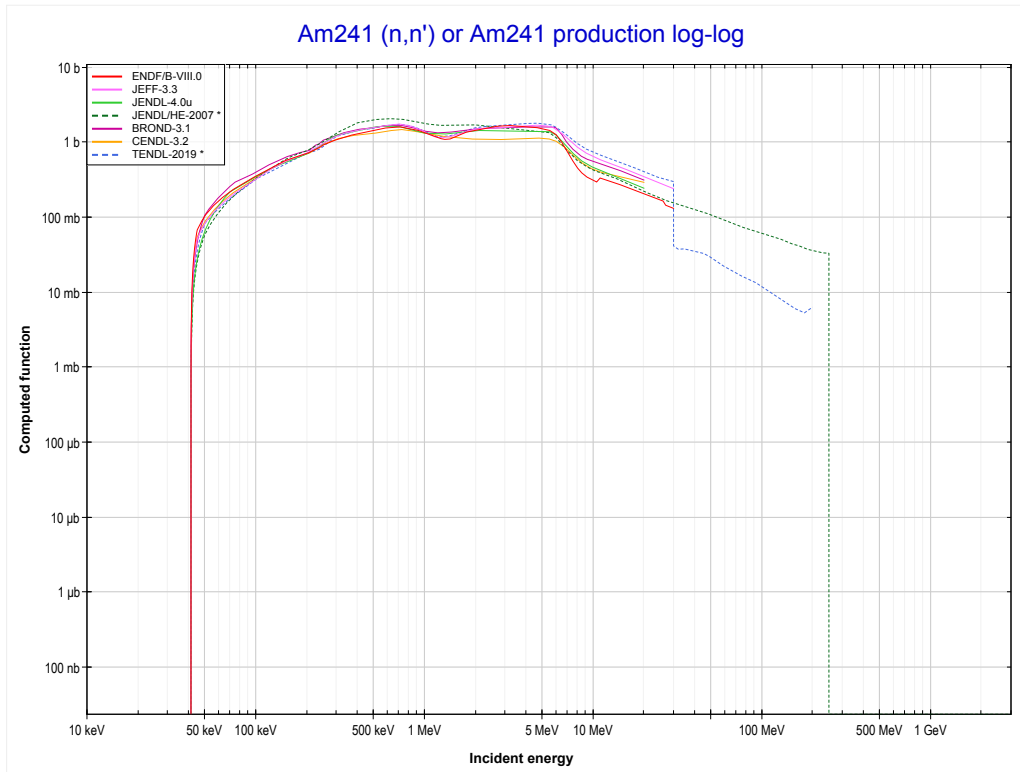
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 250 b | 249.813 b | 249.82 b | 1.00004 | 117.762 b | 2.1428 b | 2.4802 b |
| ENDF/B-VIII.0 | 1500.09 b | 1500.09 b | 1499.6 b | 0.99965 | 987.557 b | 2.01846 b | 2.54496 b |
| JENDL-4.0u | 1500.09 b | 1500.09 b | 1499.6 b | 0.99965 | 987.557 b | 2.01846 b | 2.54496 b |
| CENDL-3.2 | 2347.21 b | 2347.21 b | 2350.3 b | 1.00133 | 1200.49 b | 2.38115 b | 2.7949 b |
| TENDL-2019 | 6890.4 b | 6890.4 b | 6995.6 b | 1.01527 | 2152.18 b | 2.17317 b | 2.49048 b |

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|-------------------------------|----------------------|---------------|
| << 94-Pu-242 | 95-Am-241 | 95-Am-243 >> |
| << 95-Am-240 MT18 (n,fission) | MT1 (n,total) | MT4 (n,n') >> |



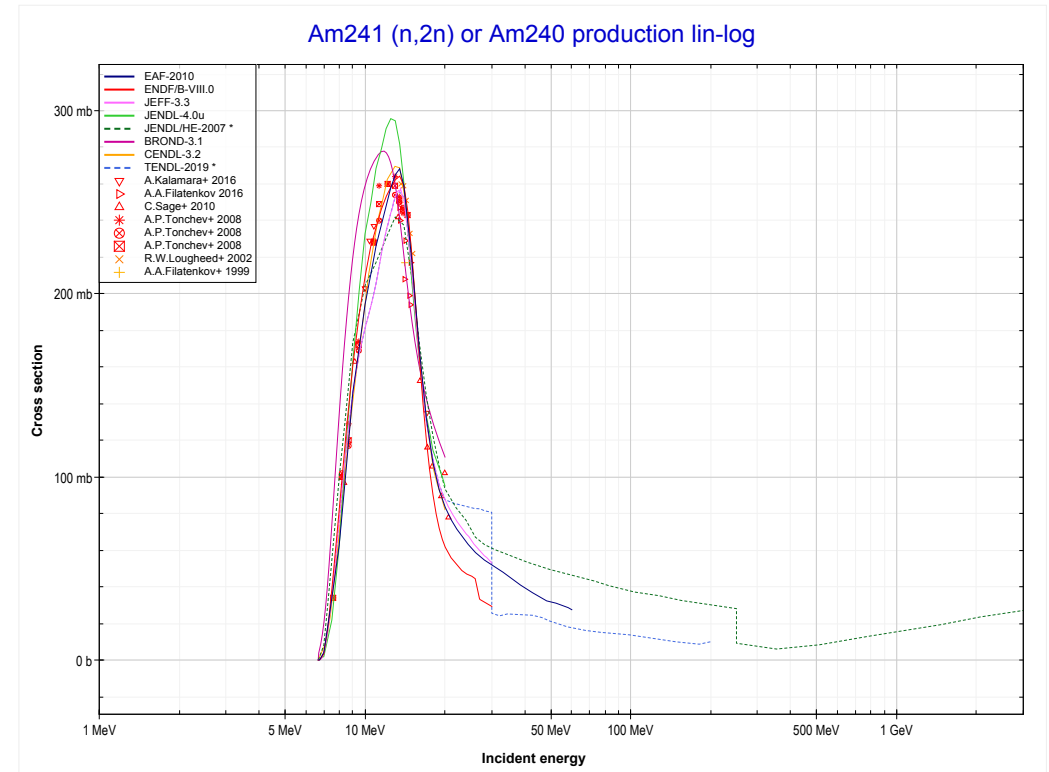
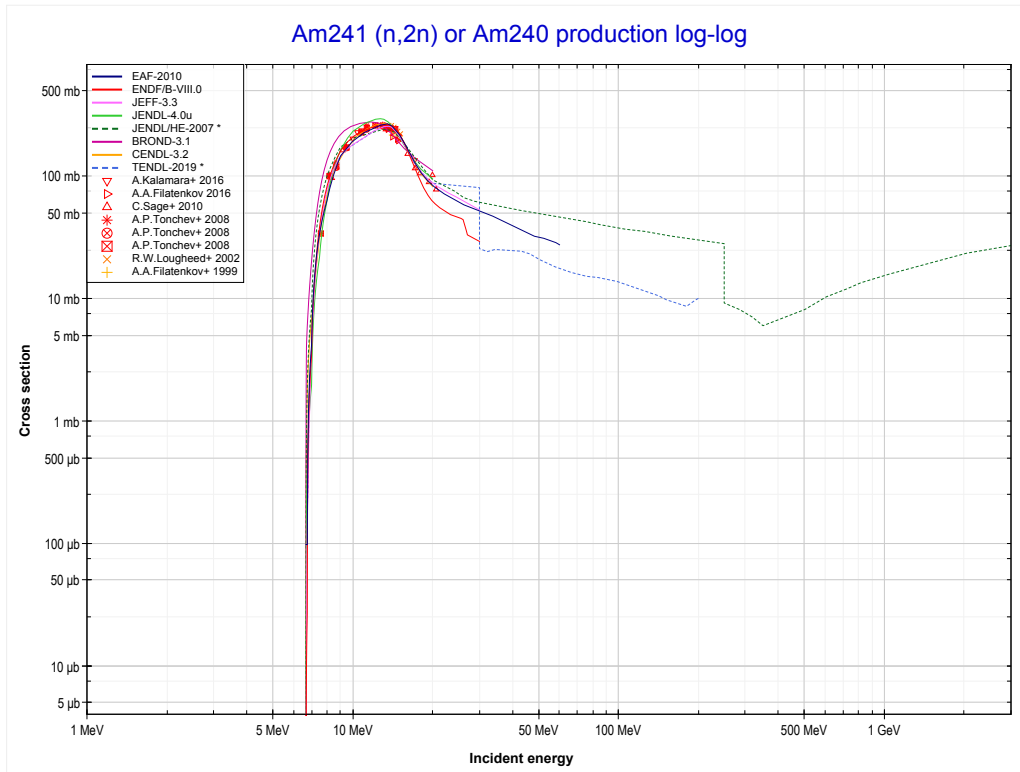
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 699.184 b | 699.184 b | 707.3 b | 1.01161 | 1756.16 b | 7.73787 b | 5.5528 b |
| JEFF-3.3 | 764.397 b | 764.397 b | 769.67 b | 1.0069 | 1995.96 b | 7.85913 b | 5.77041 b |
| JENDL-4.0u | 699.185 b | 699.185 b | 707.3 b | 1.01161 | 1749.04 b | 7.67234 b | 5.58308 b |
| JENDL/HE-2007 | 654.328 b | 654.328 b | 658.88 b | 1.00695 | 1612.9 b | 7.81227 b | 5.74149 b |
| BROND-3.1 | 633.158 b | 633.158 b | 634.72 b | 1.00246 | 1542.14 b | 7.78185 b | 5.9106 b |
| CENDL-3.2 | 633.026 b | 633.026 b | 634.33 b | 1.00206 | 1542.3 b | 7.73874 b | 5.54667 b |
| IRDFF-II | 614.486 b | 614.486 b | 615.55 b | 1.00173 | 1461.31 b | 7.81229 b | 5.74149 b |
| TENDL-2019 | 699.034 b | 699.034 b | 706.93 b | 1.0113 | 1755.74 b | 7.79591 b | 5.90903 b |

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|------------------|---|----------------|
| << 94-Pu-239 | 95-Am-241 | 95-Am-243 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Am241 production) | MT16 (n,2n) >> |



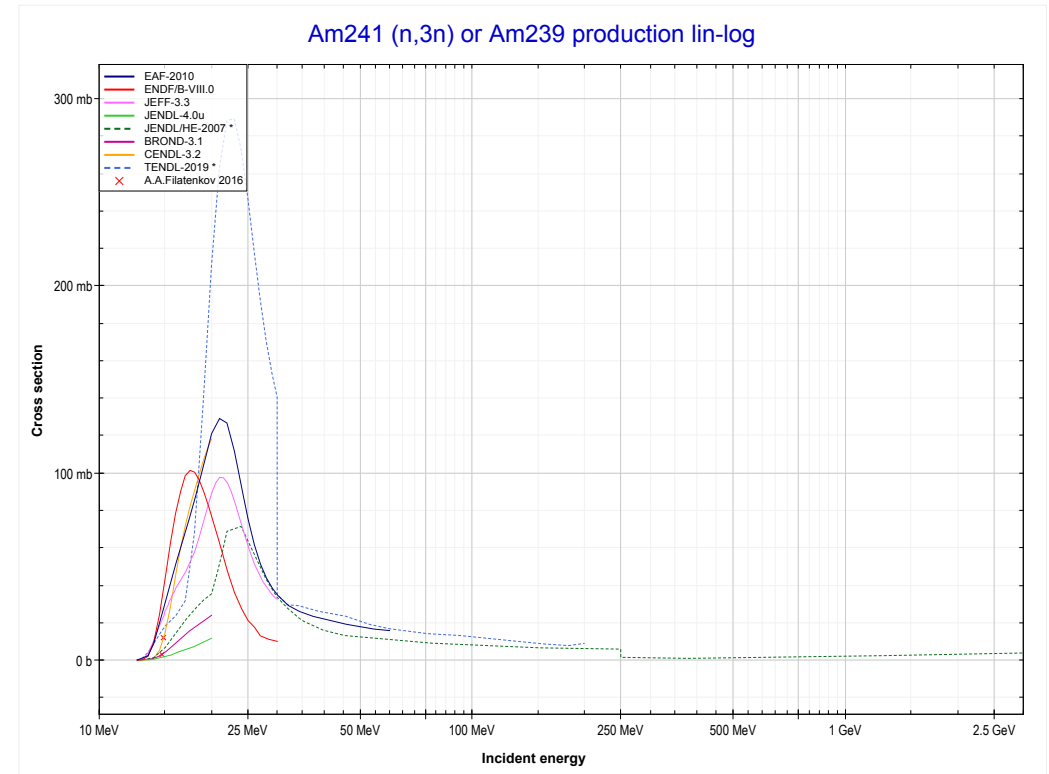
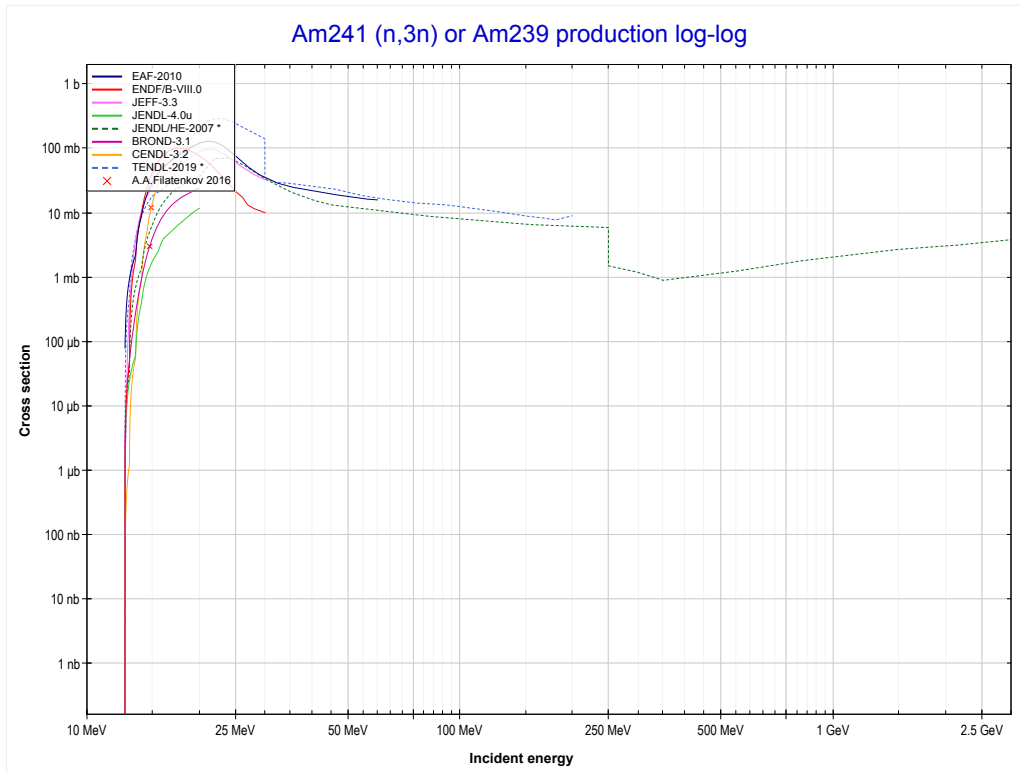
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.165935 b | 1.35873 b | 0.278942 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.142384 b | 1.41525 b | 0.477785 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.150473 b | 1.34573 b | 0.34154 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0.130013 b | 1.59144 b | 0.321614 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.185975 b | 1.43888 b | 0.431107 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.149074 b | 1.14323 b | 0.352749 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.135909 b | 1.46127 b | 0.555737 b |

| | | |
|---------------|--|----------------|
| << 94-Pu-242 | 95-Am-241 | 95-Am-243 >> |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Am240 production) | MT17 (n,3n) >> |



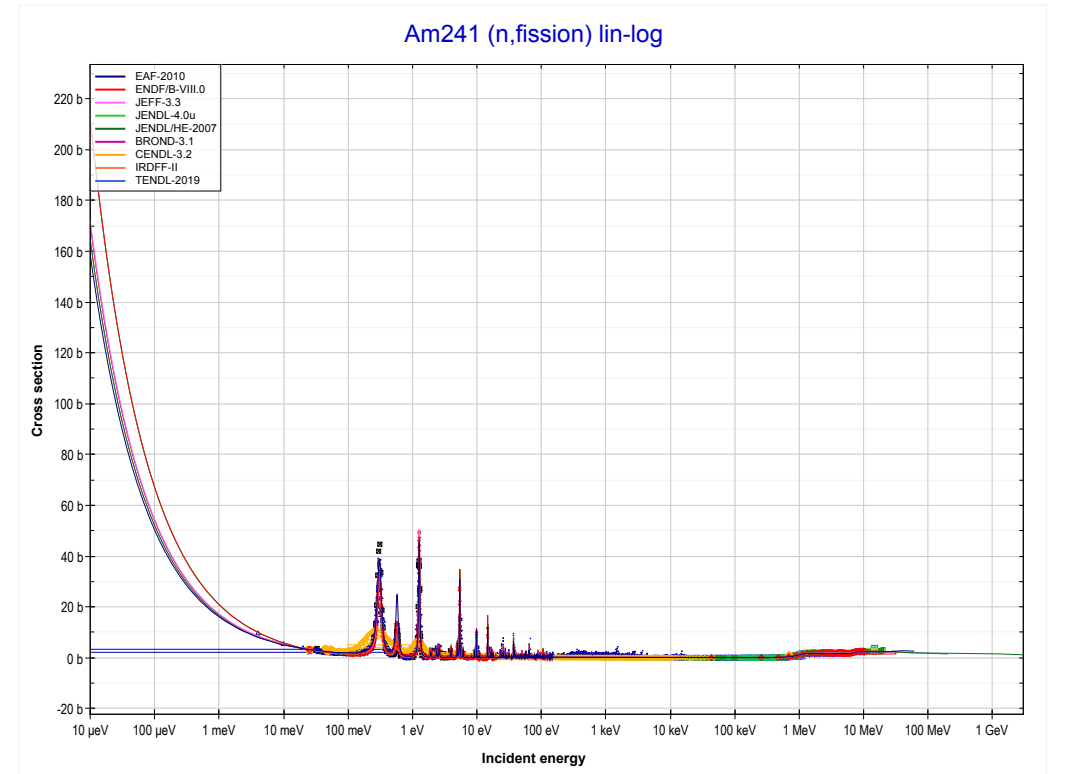
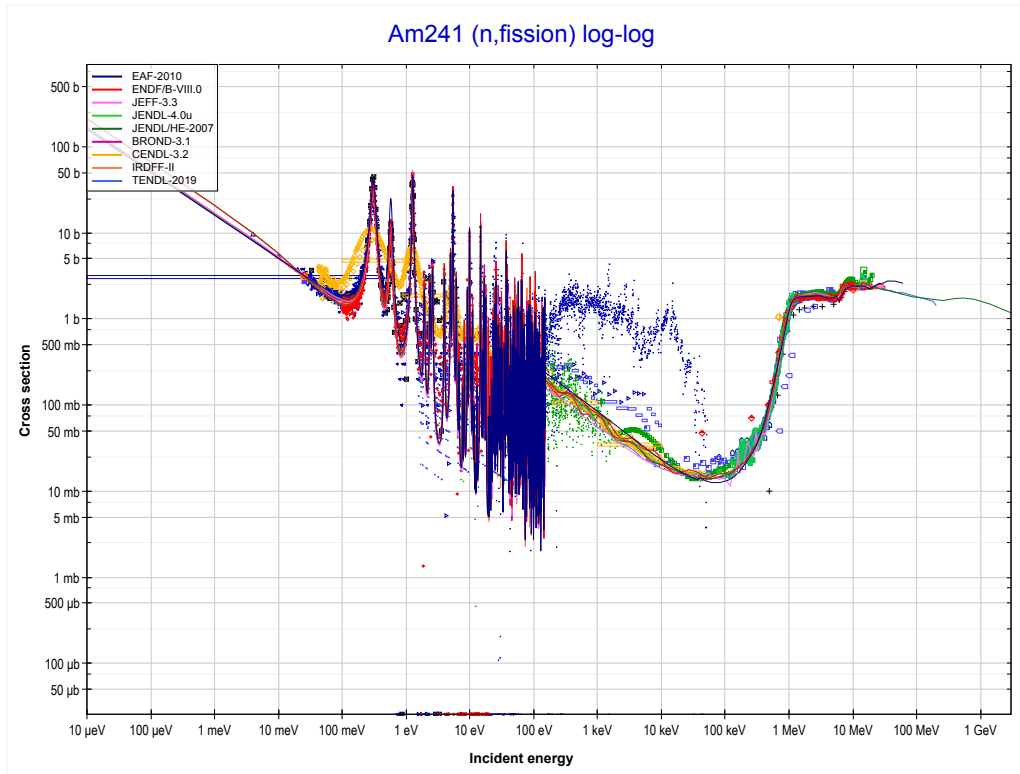
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 0.001411174 b | 0.259086 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00157593 b | 0.259313 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00142638 b | 0.252963 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00152534 b | 0.260916 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00172239 b | 0.237683 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00226386 b | 0.221 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0014358 b | 0.255772 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00142481 b | 0.252963 b |

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|----------------|--|---------------------|
| << 94-Pu-239 | 95-Am-241 | |
| << MT16 (n,2n) | MT17 (n,3n) or MT5 (Am239 production) | MT18 (n,fission) >> |



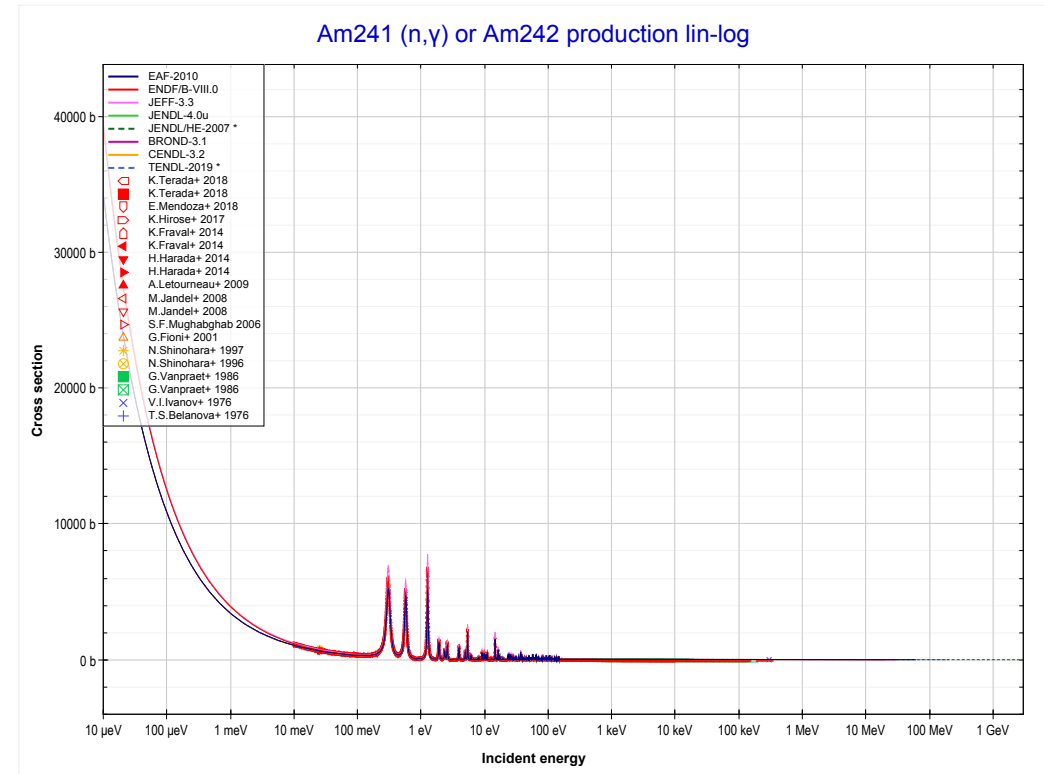
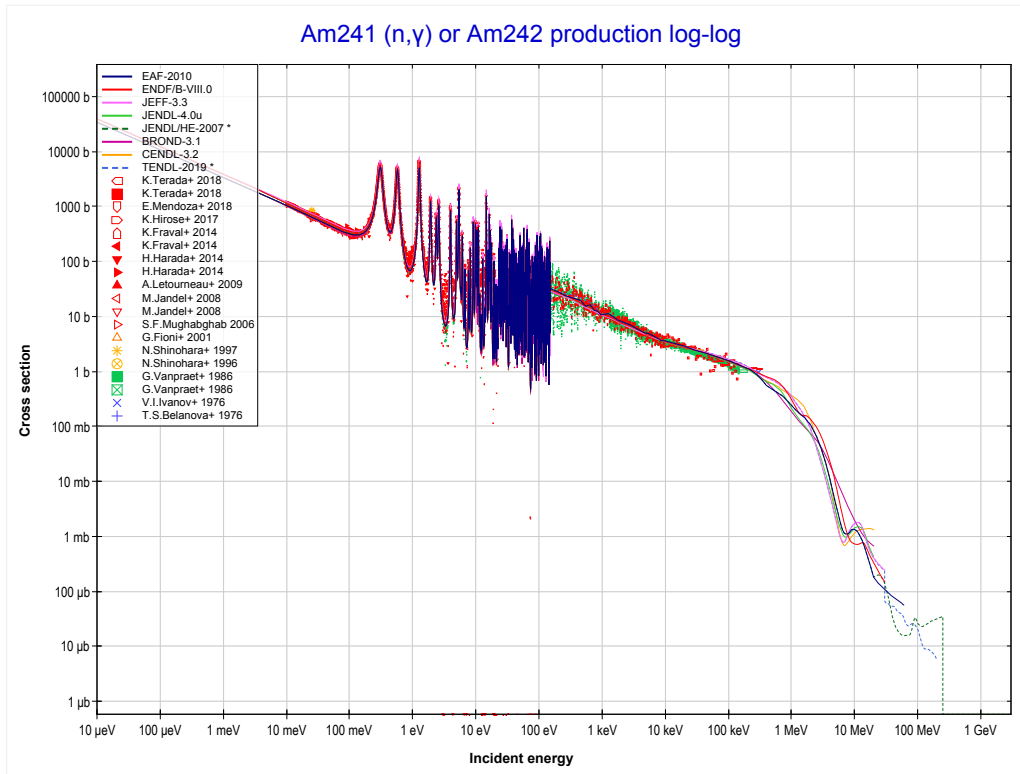
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 0 b | 0 b | 0 b | 0 | 0 b | 4.61421E-6 b | 0.0088996 b |
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 6.01726E-6 b | 0.00963734 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 3.7996E-6 b | 0.0105806 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 3.11643E-7 b | 3.95559E-4 b |
| JENDL/HE-2007 | 0 b | 0 b | 0 b | 0 | 0 b | 1.18165E-6 b | 0.00136304 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 7.35056E-7 b | 9.2872E-4 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 3.12235E-6 b | 8.7057E-4 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 3.26843E-6 b | 0.0088194 b |

| | | |
|----------------|-------------------------|-------------------------|
| << 95-Am-240 | 95-Am-241 | 95-Am-242 >> |
| << MT17 (n,3n) | MT18 (n,fission) | MT102 (n, γ) >> |



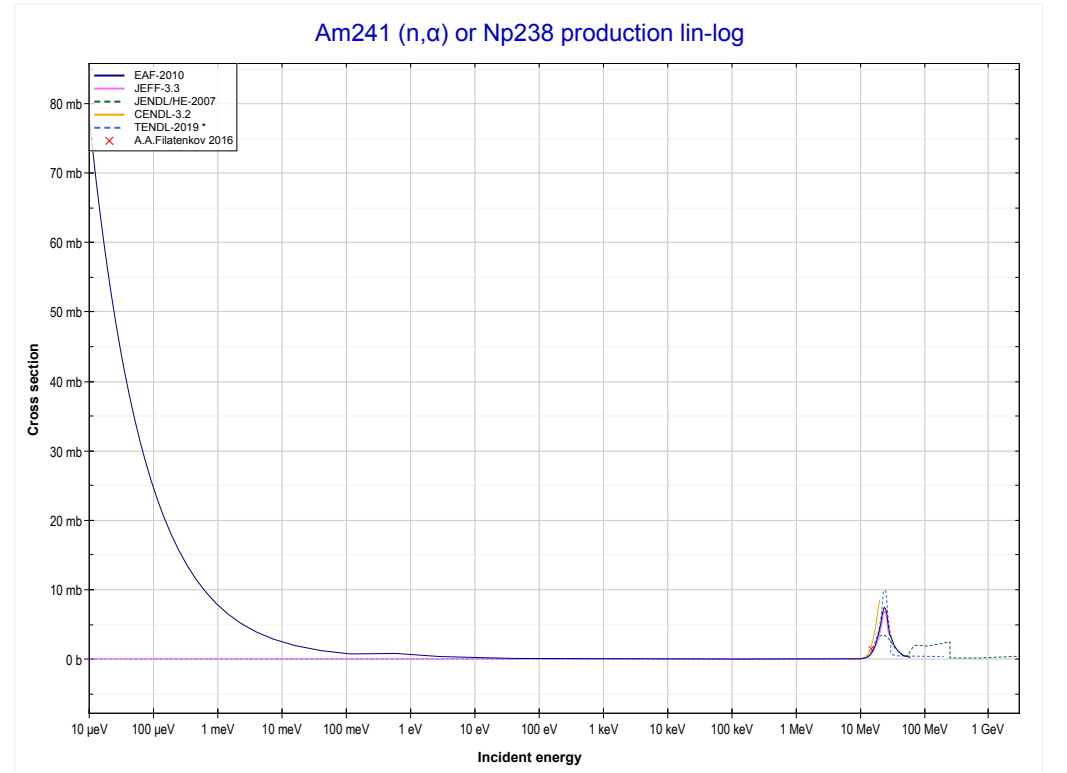
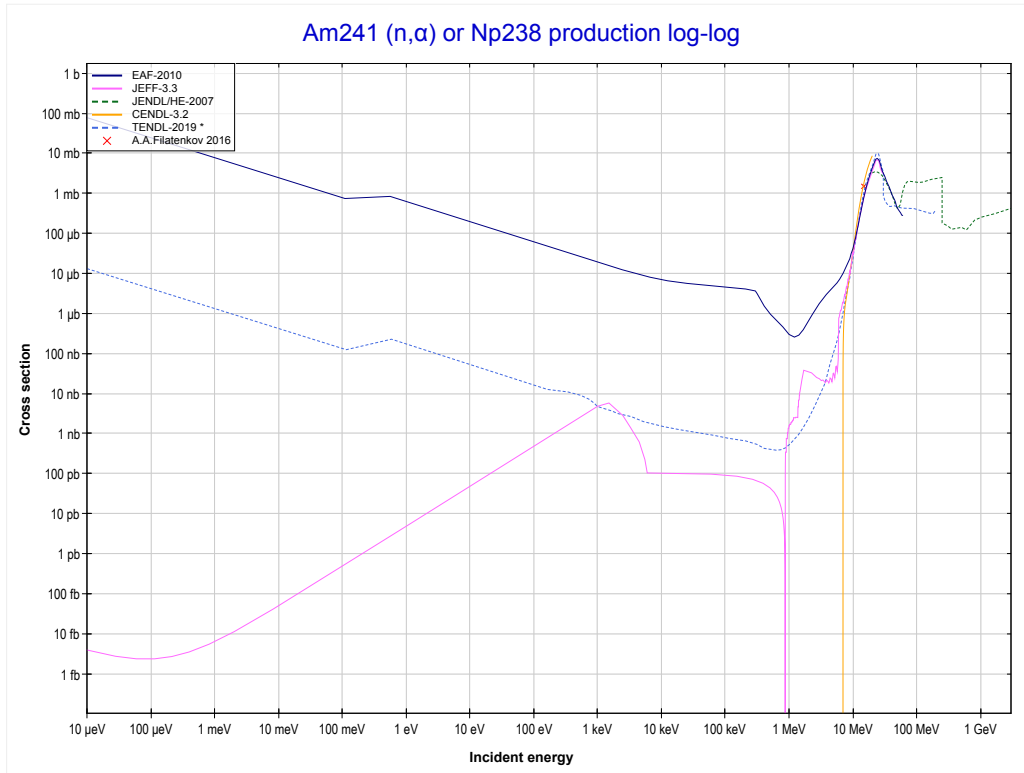
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3.17715 b | 3.17475 b | 3.2982 b | 1.03887 | 9.77379 b | 1.32303 b | 2.3912 b |
| ENDF/B-VIII.0 | 3.12221 b | 3.12221 b | 3.1905 b | 1.02187 | 8.42722 b | 1.34833 b | 2.5745 b |
| JEFF-3.3 | 3.24716 b | 3.24716 b | 3.2833 b | 1.01113 | 7.86977 b | 1.3697 b | 2.3419 b |
| JENDL-4.0u | 3.12221 b | 3.12221 b | 3.1905 b | 1.02187 | 8.42898 b | 1.37534 b | 2.71001 b |
| JENDL/HE-2007 | 3.14238 b | 3.14238 b | 3.2206 b | 1.02489 | 8.2909 b | 1.36472 b | 2.67 b |
| BROND-3.1 | 3.13859 b | 3.13859 b | 3.1821 b | 1.01388 | 8.25622 b | 1.33346 b | 2.4372 b |
| CENDL-3.2 | 3.13794 b | 3.13794 b | 3.1802 b | 1.01347 | 8.25376 b | 1.35015 b | 2.68189 b |
| IRDFF-II | 3.01784 b | 3.01784 b | 3.06 b | 1.01398 | 7.36433 b | 1.35865 b | 2.66 b |
| TENDL-2019 | 3.12135 b | 3.12135 b | 3.1884 b | 1.02149 | 8.37123 b | 1.36733 b | 2.3419 b |

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|---------------------|--|-------------------------|
| << 94-Pu-245 | 95-Am-241 | 95-Am-242 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Am242 production) | MT107 (n, α) >> |



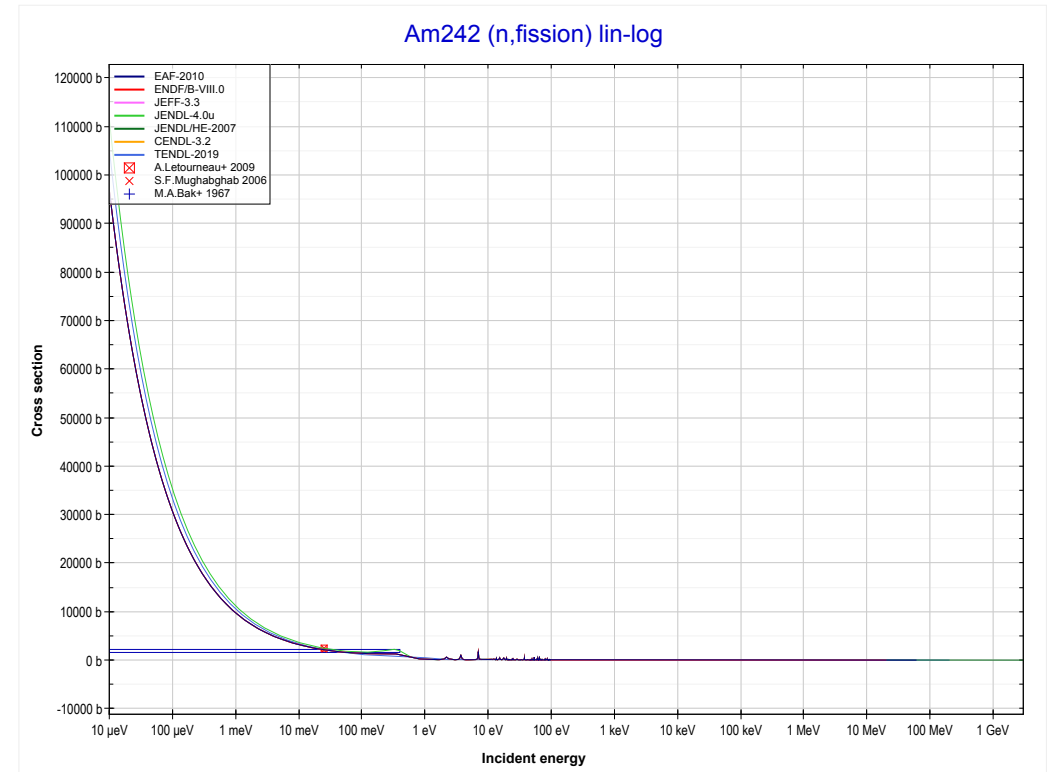
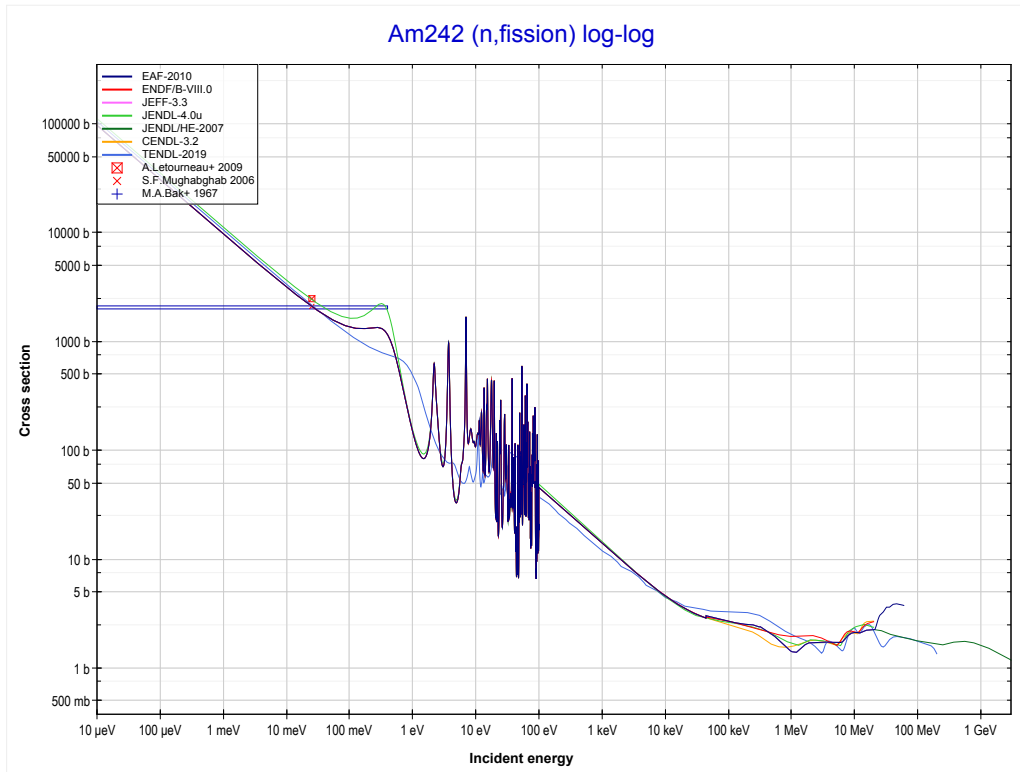
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 639.361 b | 638.849 b | 642.4 b | 1.0055 | 1453.31 b | 0.256603 b | 7.0241E-4 b |
| ENDF/B-VIII.0 | 684.244 b | 684.244 b | 691.29 b | 1.0103 | 1588.76 b | 0.316626 b | 7.55662E-4 b |
| JEFF-3.3 | 747.787 b | 747.787 b | 752 b | 1.00564 | 1824.15 b | 0.309698 b | 0.0011971 b |
| JENDL-4.0u | 684.244 b | 684.244 b | 691.29 b | 1.0103 | 1586.56 b | 0.247891 b | 0.00123995 b |
| JENDL/HE-2007 | 639.35 b | 639.35 b | 642.82 b | 1.00543 | 1452.83 b | 0.256658 b | 7.0241E-4 b |
| BROND-3.1 | 618.698 b | 618.698 b | 619.24 b | 1.00088 | 1383.66 b | 0.235662 b | 0.00100075 b |
| CENDL-3.2 | 618.566 b | 618.566 b | 618.85 b | 1.00047 | 1383.7 b | 0.307446 b | 0.0013531 b |
| TENDL-2019 | 684.094 b | 684.094 b | 690.92 b | 1.00998 | 1592.73 b | 0.312137 b | 0.0011971 b |

| | | |
|-------------------------|--|-------------------------------|
| << 92-U-238 | 95-Am-241 | |
| << MT102 (n, γ) | MT107 (n,α) or MT5 (Np238 production) | 95-Am-242 MT18 (n,fission) >> |



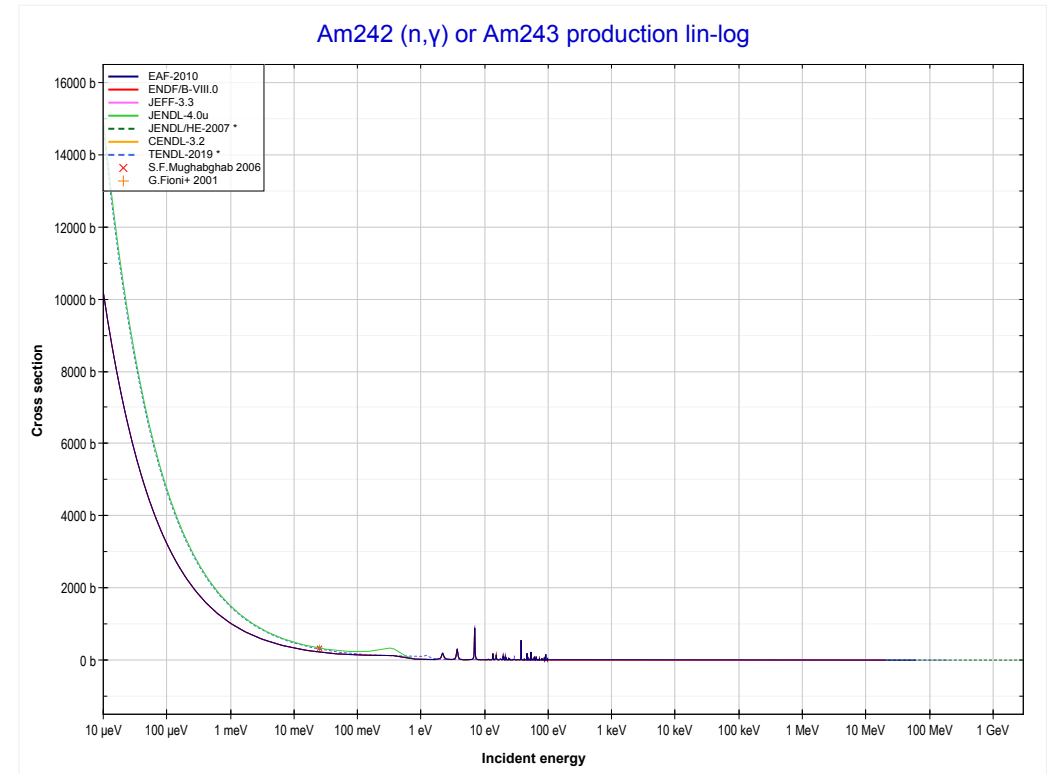
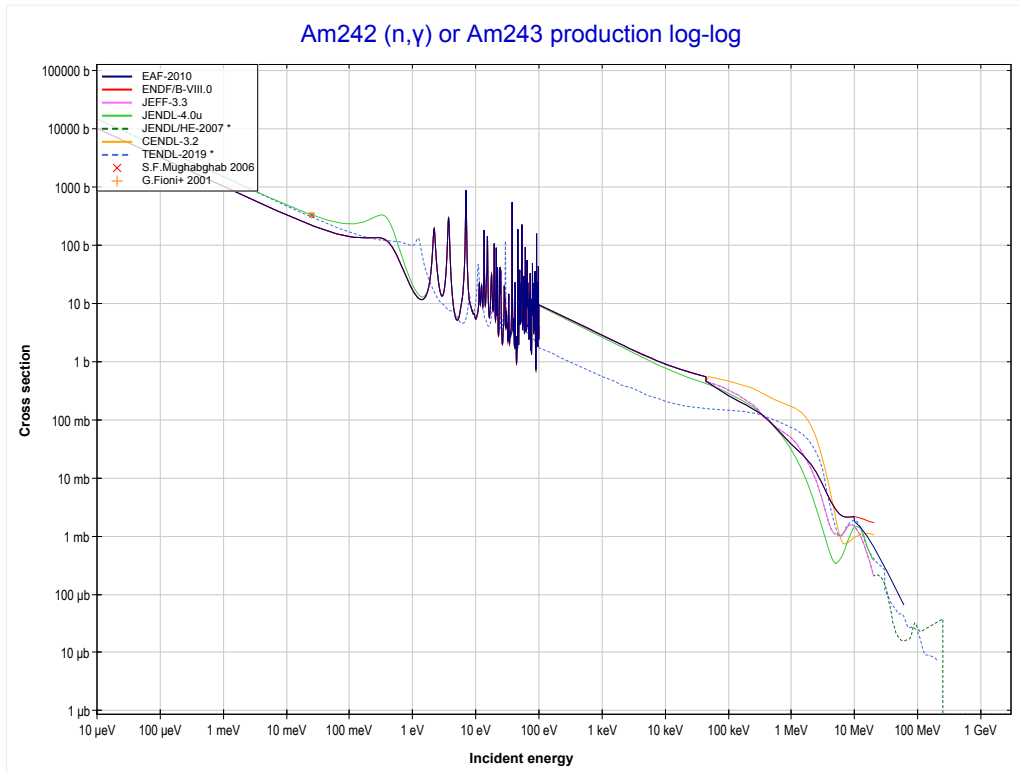
| Reaction | Q-Value |
|--------------------------|---------------|
| Am241(n, α)Np238 | 11126.10 keV |
| Am241(n,p+t)Np238 | -8687.76 keV |
| Am241(n,n+He3)Np238 | -9451.52 keV |
| Am241(n,2d)Np238 | -12720.43 keV |
| Am241(n,n+p+d)Np238 | -14944.99 keV |
| Am241(n,2n+2p)Np238 | -17169.56 keV |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 95-Am-241 | 95-Am-242 | 95-Am-242m >> |
| << 95-Am-241 MT107 (n, α) | MT18 (n,fission) | MT102 (n, γ) >> |



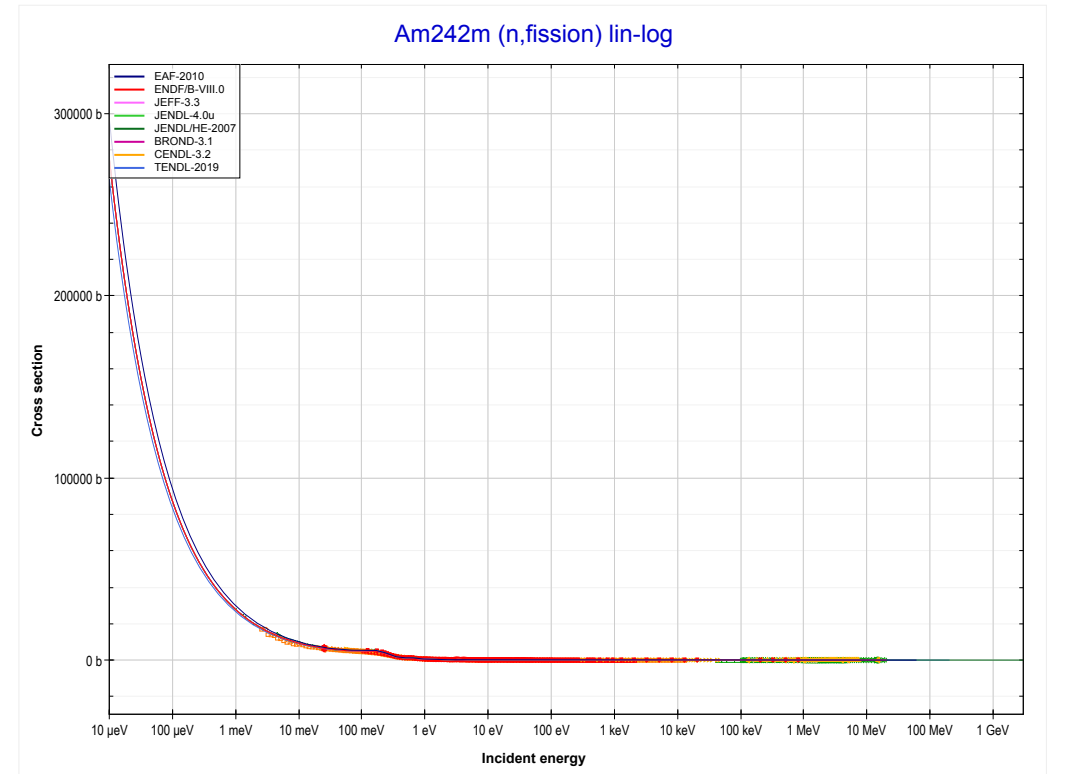
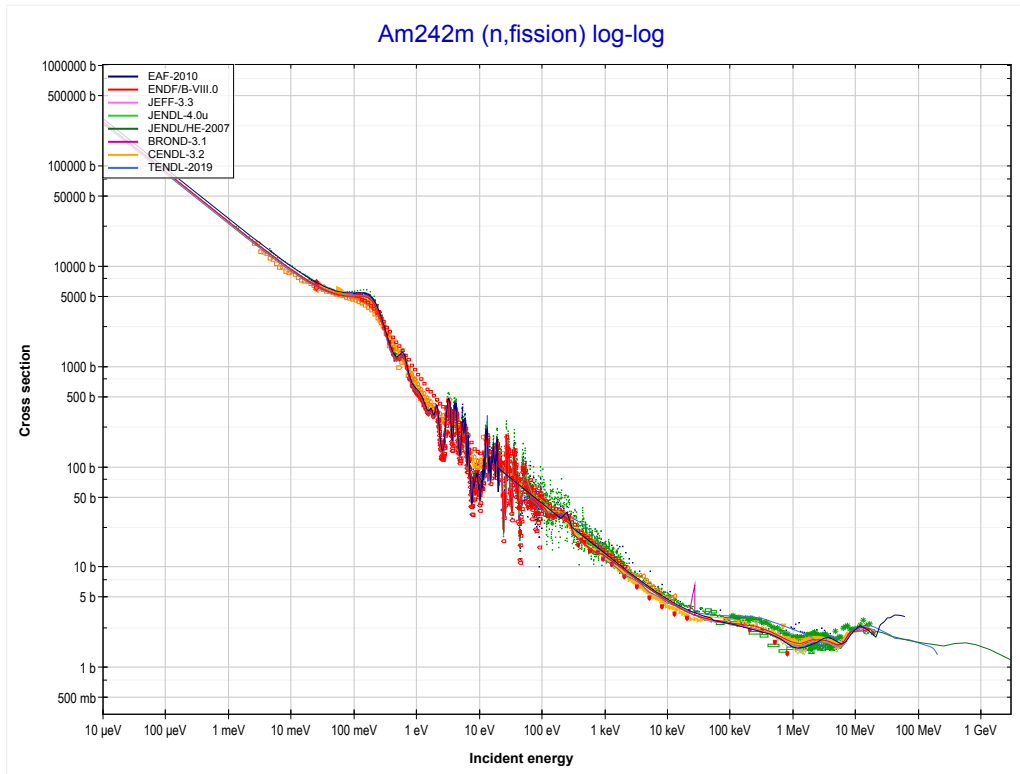
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2095.09 b | 2093.89 b | 2199.2 b | 1.0505 | 985.817 b | 1.75791 b | 2.18293 b |
| ENDF/B-VIII.0 | 2094.86 b | 2094.86 b | 2200 b | 1.05018 | 986.981 b | 1.98401 b | 2.4313 b |
| JEFF-3.3 | 2094.86 b | 2094.86 b | 2200 b | 1.05018 | 986.995 b | 1.75793 b | 2.18293 b |
| JENDL-4.0u | 2420.08 b | 2420.08 b | 2567.8 b | 1.06105 | 1046.91 b | 1.83918 b | 2.5179 b |
| JENDL/HE-2007 | 2094.48 b | 2094.48 b | 2198.7 b | 1.04975 | 985.615 b | 1.75744 b | 2.18293 b |
| CENDL-3.2 | 2094.48 b | 2094.48 b | 2198.7 b | 1.04975 | 985.509 b | 1.74878 b | 2.5576 b |
| TENDL-2019 | 2142.42 b | 2142.42 b | 2168.2 b | 1.01203 | 1011.44 b | 1.98507 b | 2.36761 b |

| | | |
|---------------------|--|--------------------------------|
| << 95-Am-241 | 95-Am-242 | 95-Am-242m >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Am243 production) | 95-Am-242m MT18 (n,fission) >> |



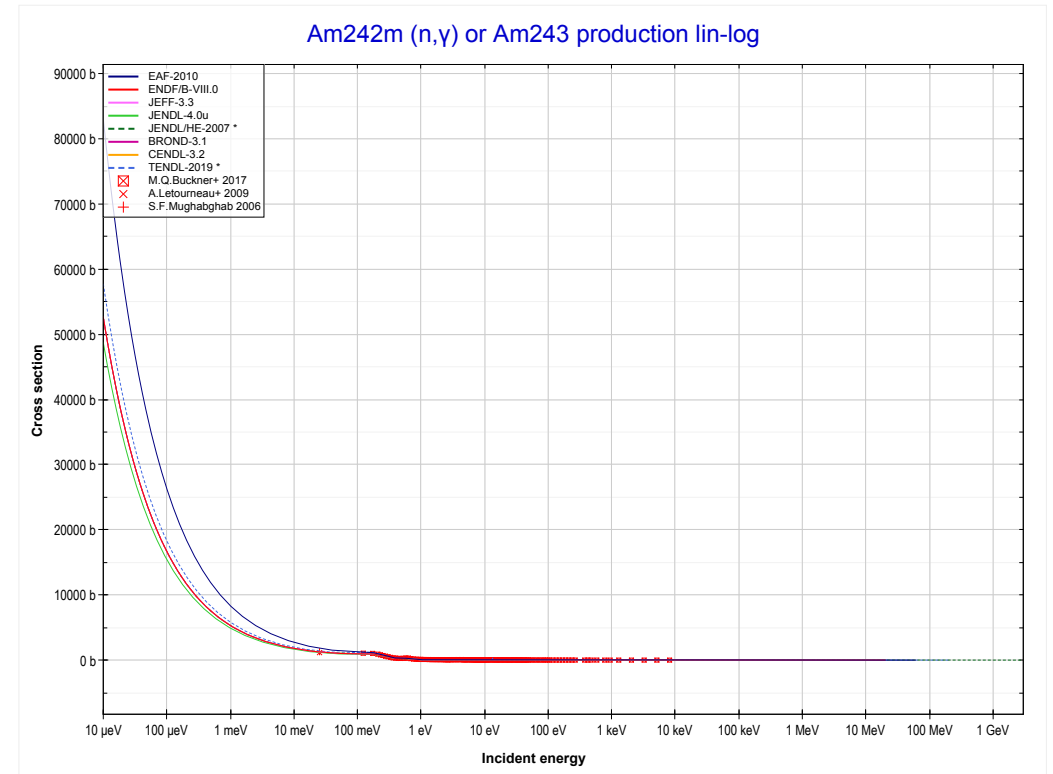
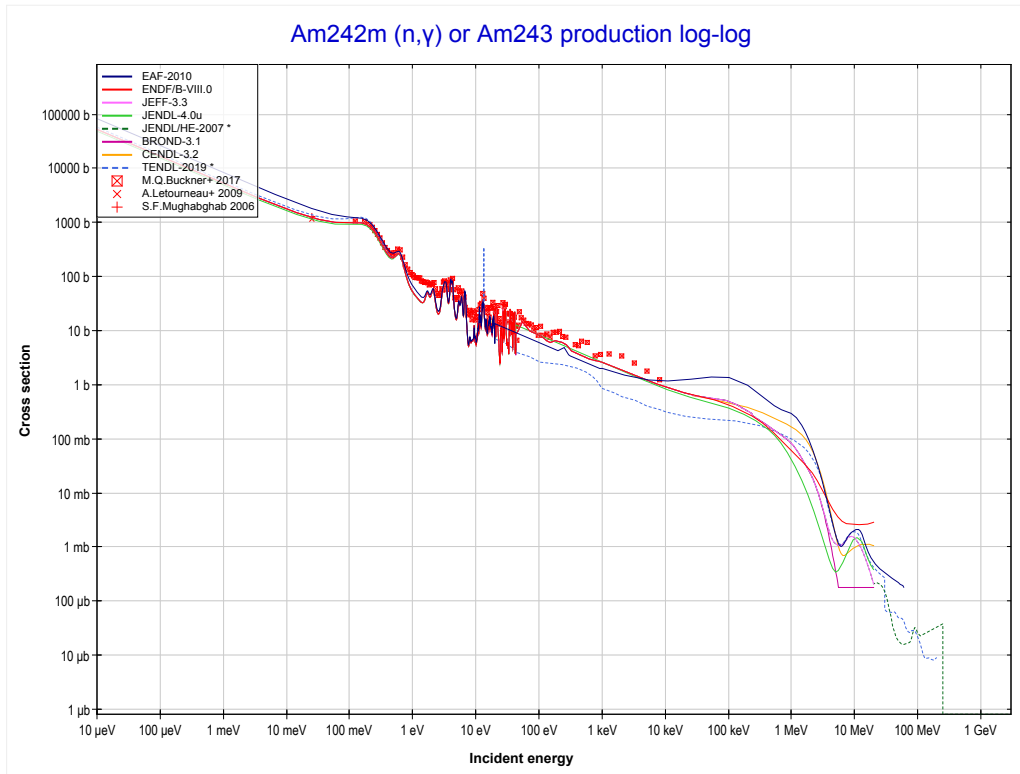
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 218.956 b | 218.82 b | 229.05 b | 1.04687 | 186.597 b | 0.0440124 b | 0.00119186 b |
| ENDF/B-VIII.0 | 218.995 b | 218.995 b | 229.3 b | 1.04705 | 186.554 b | 0.0439915 b | 0.0019413 b |
| JEFF-3.3 | 218.995 b | 218.995 b | 229.3 b | 1.04705 | 186.591 b | 0.0474269 b | 7.3204E-4 b |
| JENDL-4.0u | 330.191 b | 330.191 b | 353.35 b | 1.07015 | 204.671 b | 0.037735 b | 0.0010256 b |
| JENDL/HE-2007 | 218.955 b | 218.955 b | 229.16 b | 1.04662 | 186.37 b | 0.0473802 b | 7.3204E-4 b |
| CENDL-3.2 | 218.955 b | 218.955 b | 229.16 b | 1.04662 | 186.462 b | 0.129592 b | 0.0010921 b |
| TENDL-2019 | 302.555 b | 302.555 b | 307.6 b | 1.01667 | 162.029 b | 0.0554679 b | 9.22269E-4 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 95-Am-242 | 95-Am-242m | 95-Am-243 >> |
| << 95-Am-242 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



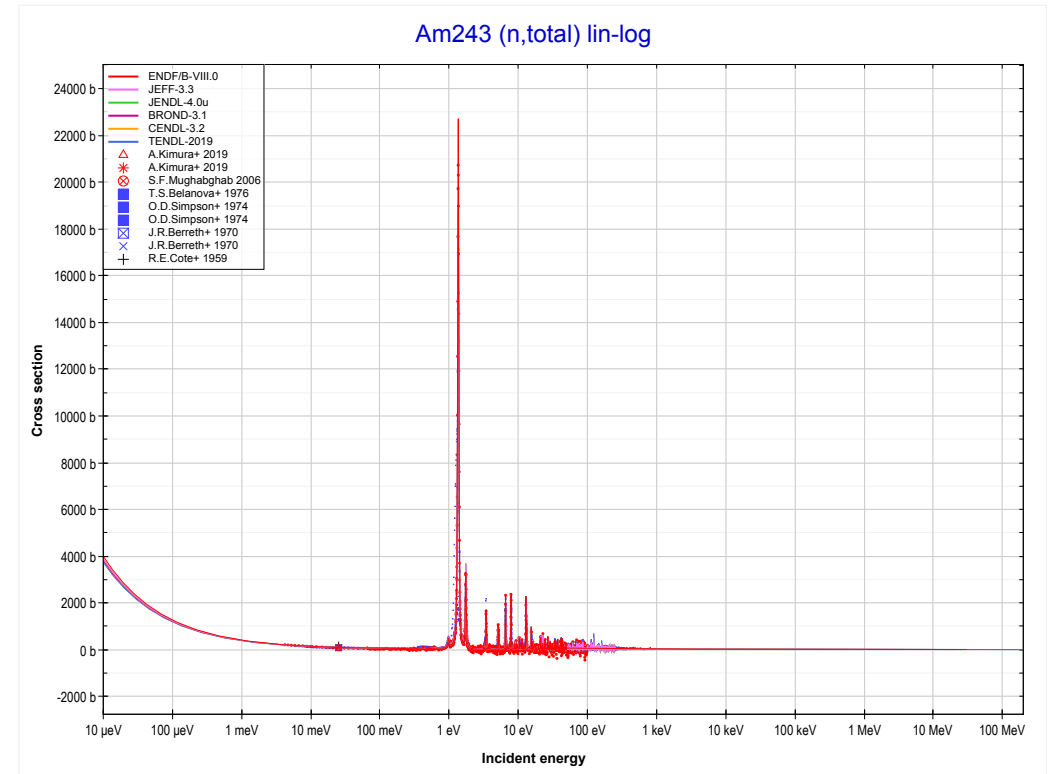
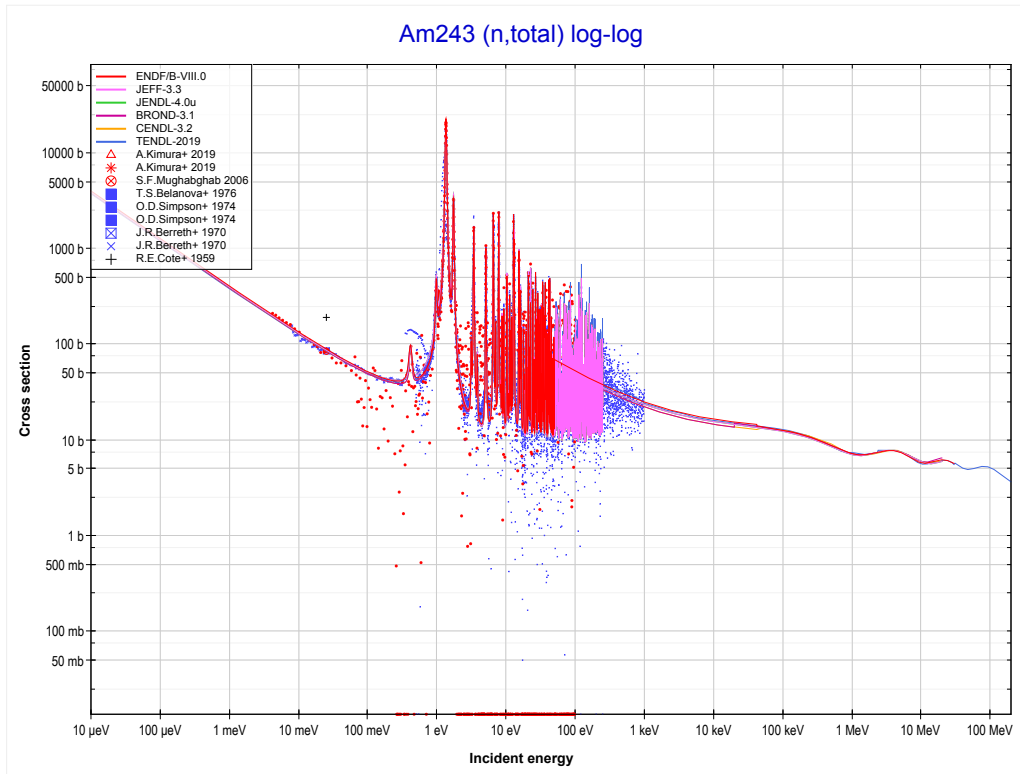
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 6886.26 b | 6882.41 b | 7542.4 b | 1.0961 | 1630.11 b | 1.8425 b | 2.47 b |
| ENDF/B-VIII.0 | 6400.44 b | 6400.44 b | 7009.6 b | 1.09517 | 1532.57 b | 1.93676 b | 2.5047 b |
| JEFF-3.3 | 6400.44 b | 6400.44 b | 7009.6 b | 1.09517 | 1532.47 b | 1.84437 b | 2.54984 b |
| JENDL-4.0u | 6400.82 b | 6400.82 b | 7025.9 b | 1.09766 | 1544.76 b | 1.83989 b | 2.522 b |
| JENDL/HE-2007 | 6397.4 b | 6397.4 b | 7005.7 b | 1.09508 | 1532.28 b | 1.84409 b | 2.54984 b |
| BROND-3.1 | 6400.44 b | 6400.44 b | 7009.6 b | 1.09517 | 1532.95 b | 1.85219 b | 2.335 b |
| CENDL-3.2 | 6397.4 b | 6397.4 b | 7005.7 b | 1.09508 | 1532.61 b | 2.01653 b | 2.5599 b |
| TENDL-2019 | 6217.48 b | 6217.48 b | 6926.6 b | 1.11406 | 1529.32 b | 2.25365 b | 2.50558 b |

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|---------------------|--|----------------------------|
| << 95-Am-242 | 95-Am-242m | 95-Am-243 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Am243 production) | 95-Am-243 MT1 (n,total) >> |



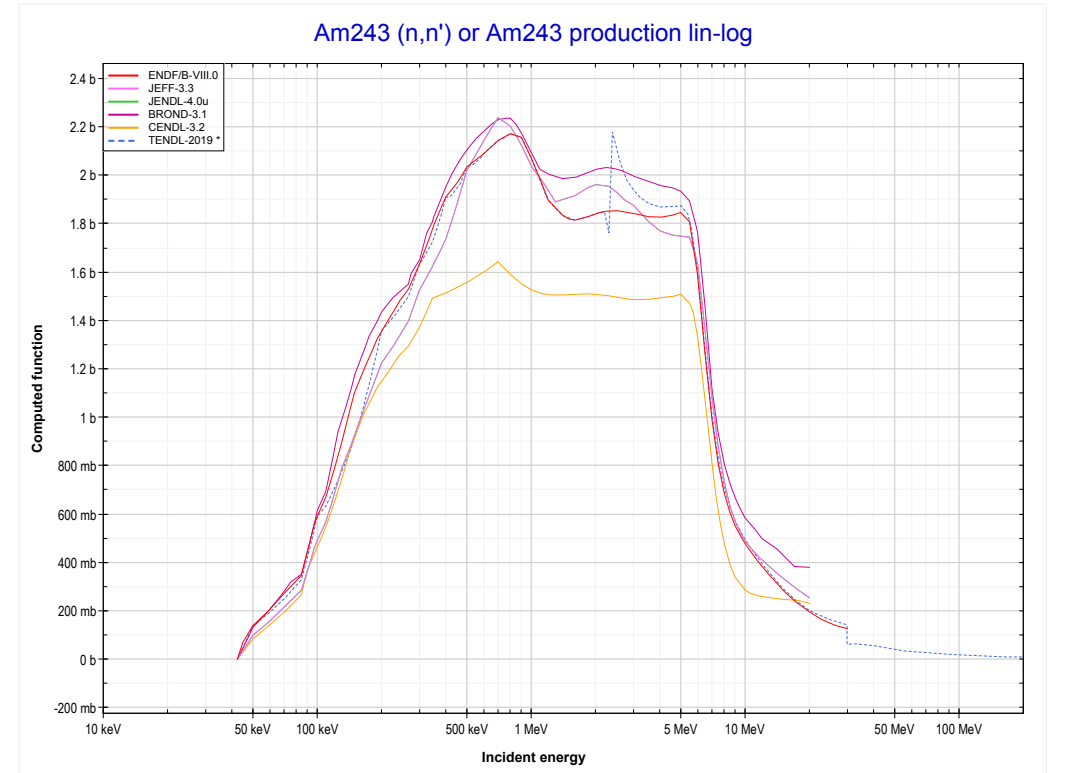
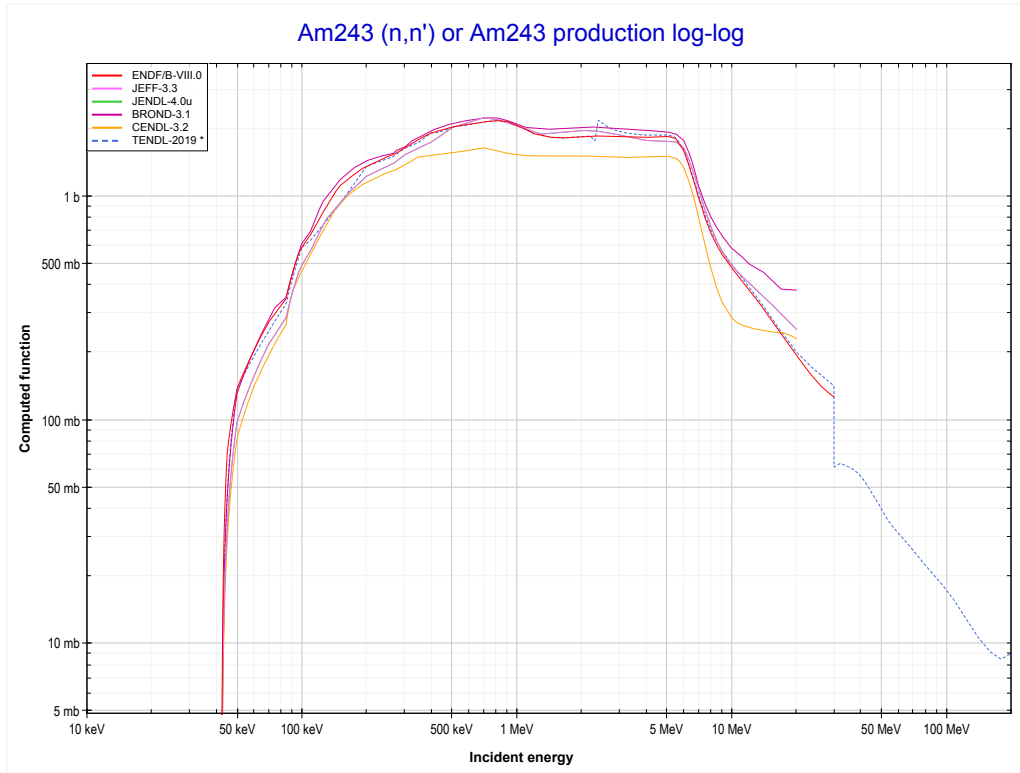
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1809.13 b | 1808.05 b | 1925.3 b | 1.06502 | 263.62 b | 0.230833 b | 0.00137548 b |
| ENDF/B-VIII.0 | 1231.26 b | 1231.26 b | 1354.5 b | 1.10012 | 238.77 b | 0.0682234 b | 0.0025854 b |
| JEFF-3.3 | 1231.26 b | 1231.26 b | 1354.5 b | 1.10012 | 238.803 b | 0.0753006 b | 7.3204E-4 b |
| JENDL-4.0u | 1141.3 b | 1141.3 b | 1258.2 b | 1.10238 | 235.75 b | 0.0519822 b | 0.00101001 b |
| JENDL/HE-2007 | 1230.68 b | 1230.68 b | 1353.8 b | 1.10004 | 238.722 b | 0.0752169 b | 7.3204E-4 b |
| BROND-3.1 | 1231.26 b | 1231.26 b | 1354.5 b | 1.10012 | 238.814 b | 0.0752166 b | 1.77688E-4 b |
| CENDL-3.2 | 1230.68 b | 1230.68 b | 1353.8 b | 1.10004 | 238.69 b | 0.127534 b | 0.001112 b |
| TENDL-2019 | 1375.84 b | 1375.84 b | 1542.7 b | 1.12124 | 223.137 b | 0.0748533 b | 9.51402E-4 b |

| | | |
|------------------------------------|----------------------|---------------|
| << 95-Am-241 | 95-Am-243 | 96-Cm-244 >> |
| << 95-Am-242m MT102 (n, γ) | MT1 (n,total) | MT4 (n,n') >> |



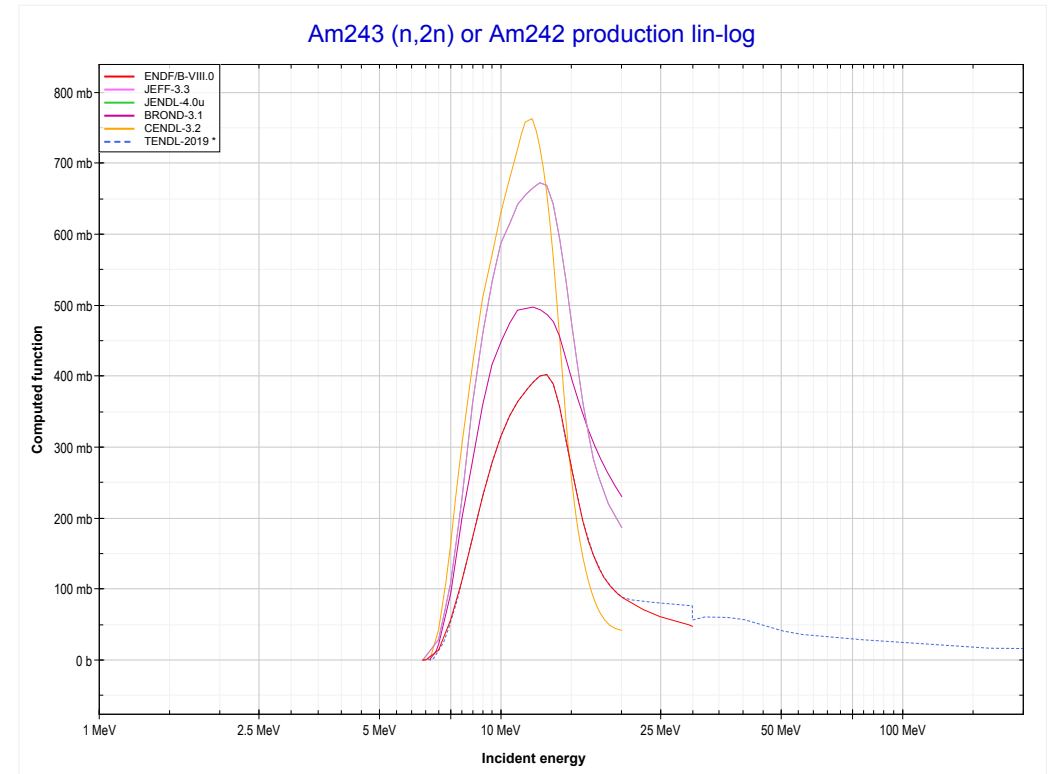
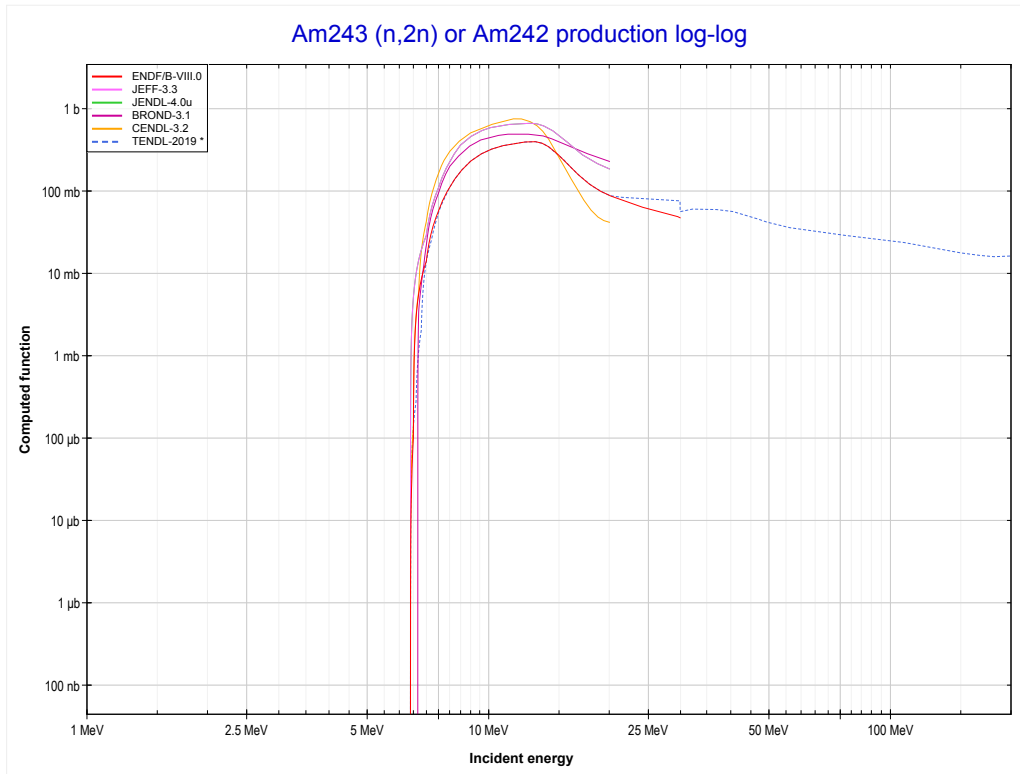
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 88.3807 b | 88.3807 b | 90.431 b | 1.0232 | 2254.71 b | 7.81276 b | 5.81402 b |
| JEFF-3.3 | 85.821 b | 85.821 b | 88.178 b | 1.02746 | 2215.1 b | 7.72013 b | 5.59868 b |
| JENDL-4.0u | 85.821 b | 85.821 b | 88.178 b | 1.02746 | 2215.1 b | 7.72013 b | 5.59868 b |
| BROND-3.1 | 84.2775 b | 84.2775 b | 86.238 b | 1.02326 | 1951.93 b | 7.82284 b | 6.0075 b |
| CENDL-3.2 | 84.2624 b | 84.2624 b | 86.19 b | 1.02288 | 1950.36 b | 7.80761 b | 5.7879 b |
| TENDL-2019 | 84.0297 b | 84.0297 b | 86.12 b | 1.02488 | 2007.59 b | 7.86816 b | 5.77061 b |

| | | |
|------------------|---|----------------|
| << 95-Am-241 | 95-Am-243 | 96-Cm-244 >> |
| << MT1 (n,total) | MT4 (n,n') or MT5 (Am243 production) | MT16 (n,2n) >> |



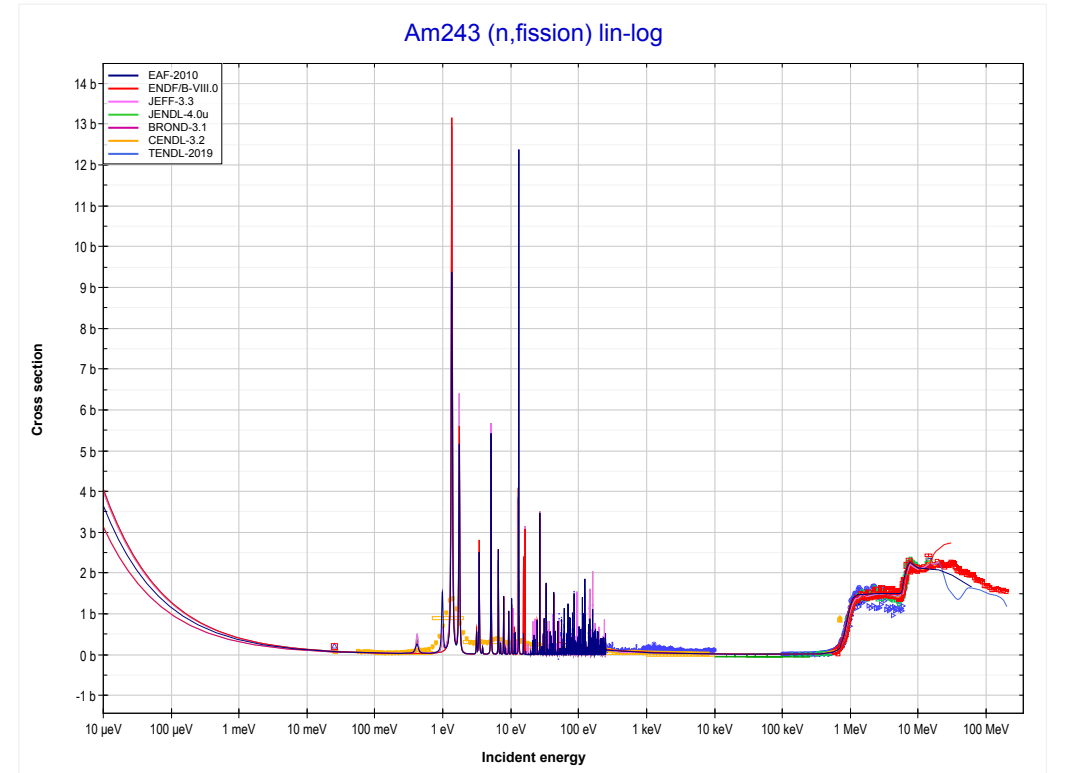
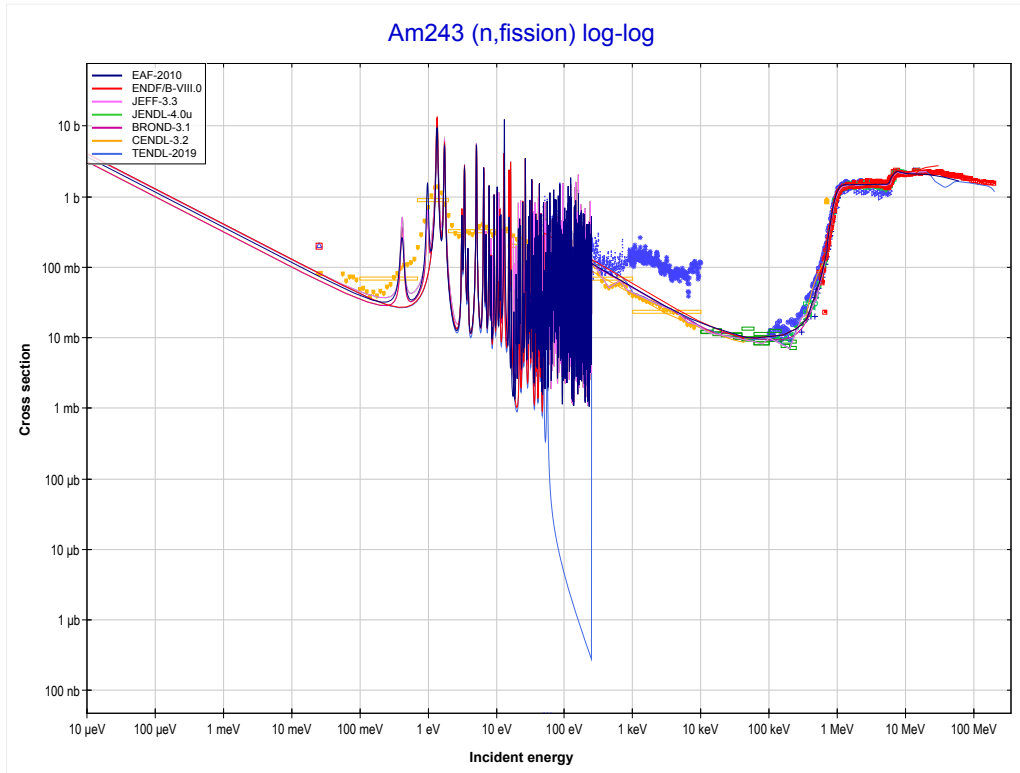
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.218798 b | 1.82135 b | 0.314978 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.172402 b | 1.839 b | 0.357185 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.172402 b | 1.839 b | 0.357185 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.219125 b | 1.93898 b | 0.45801 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0.15952 b | 1.45191 b | 0.25054 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.205435 b | 1.8448 b | 0.32365 b |

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|---------------|--|----------------------------------|
| << 95-Am-241 | 95-Am-243 | |
| << MT4 (n,n') | MT16 (n,2n) or MT5 (Am242 production) | MT18 (n,fission) >> |



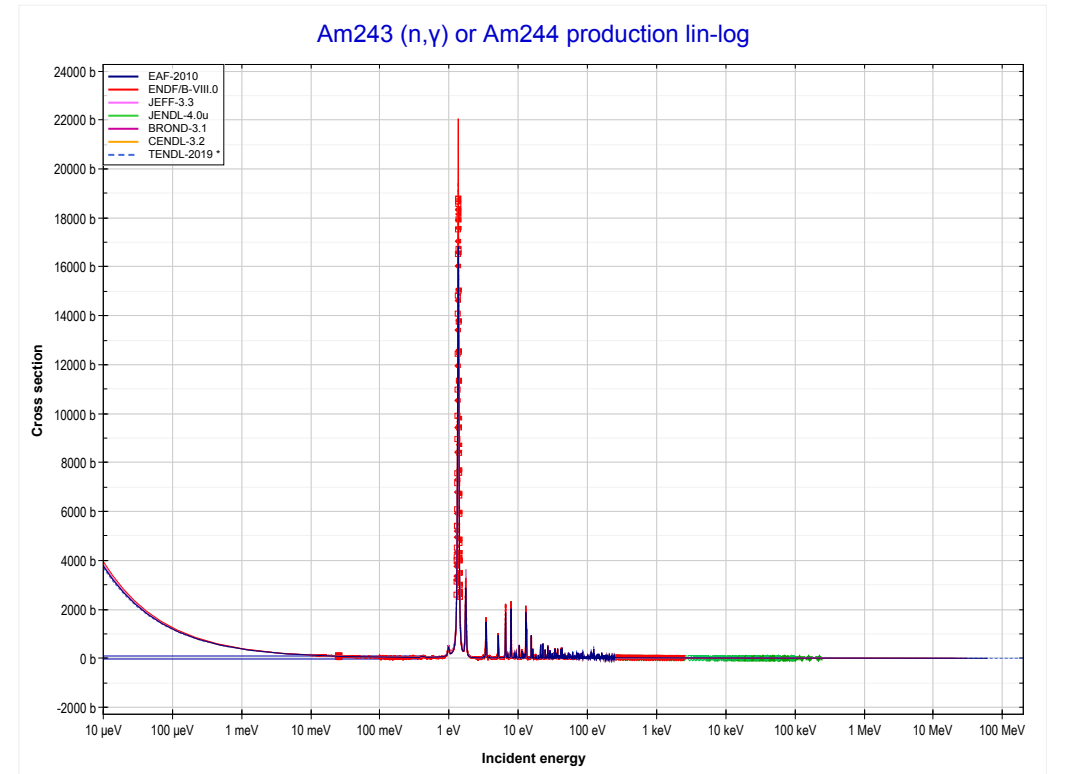
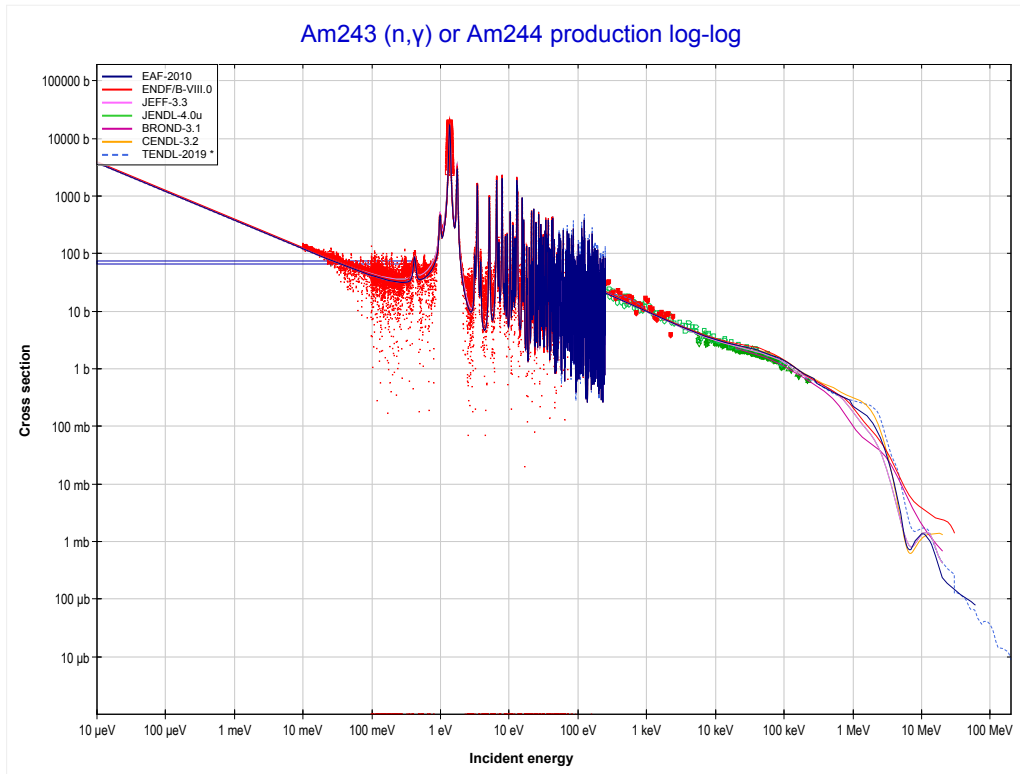
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00235213 b | 0.357889 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00453774 b | 0.595313 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0 b | 0.00453774 b | 0.595313 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00356558 b | 0.45665 b |
| CENDL-3.2 | 0 b | 0 b | 0 b | 0 | 0 b | 0.00529669 b | 0.45638 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0 b | 0.0023035 b | 0.357889 b |

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|----------------|-------------------------|-------------------------|
| << 95-Am-242m | 95-Am-243 | 95-Am-244 >> |
| << MT16 (n,2n) | MT18 (n,fission) | MT102 (n, γ) >> |



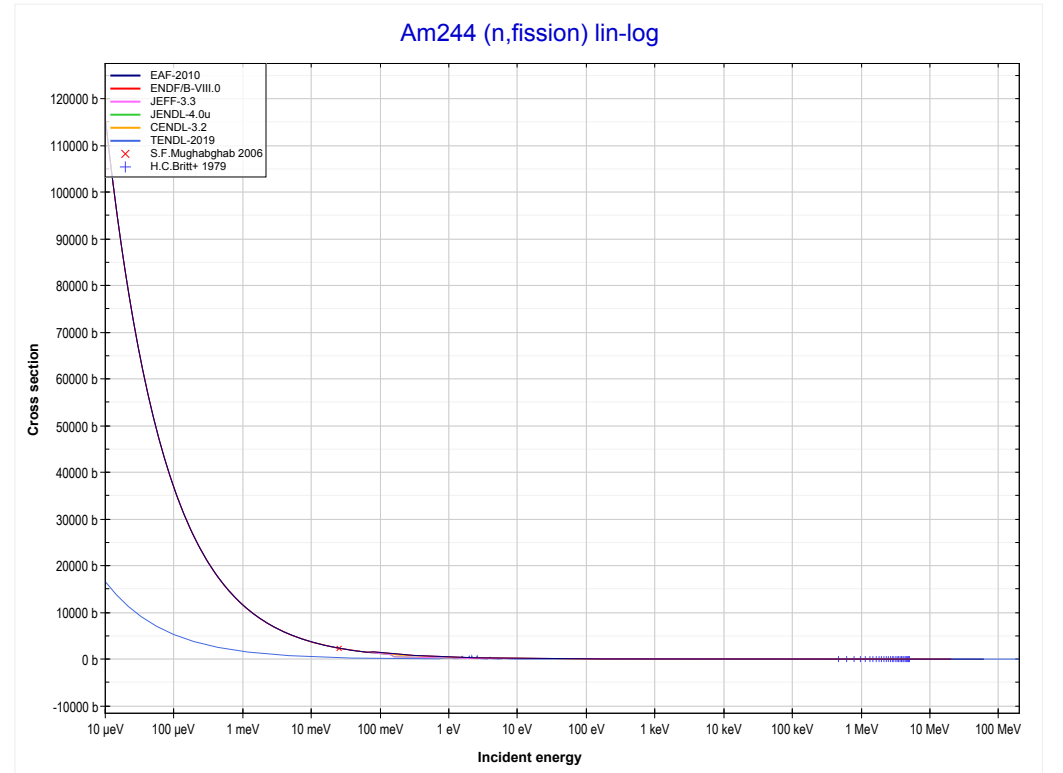
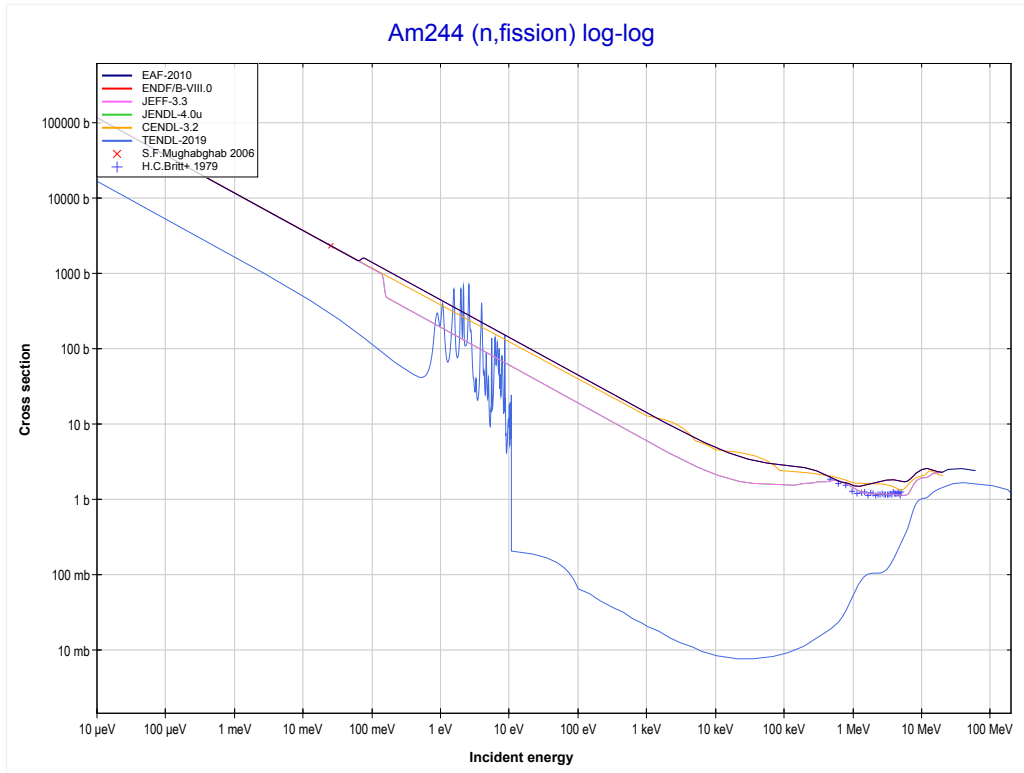
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.073985 b | 0.0739318 b | 0.074791 b | 1.01166 | 2.13291 b | 1.11234 b | 2.10049 b |
| ENDF/B-VIII.0 | 0.0813307 b | 0.0813307 b | 0.081794 b | 1.0057 | 2.32464 b | 1.06328 b | 2.09499 b |
| JEFF-3.3 | 0.0815658 b | 0.0815658 b | 0.082955 b | 1.01703 | 2.46062 b | 1.06642 b | 2.20695 b |
| JENDL-4.0u | 0.0815658 b | 0.0815658 b | 0.082955 b | 1.01703 | 2.46062 b | 1.06642 b | 2.20695 b |
| BROND-3.1 | 0.0638245 b | 0.0638245 b | 0.064863 b | 1.01627 | 2.16376 b | 1.07466 b | 2.1573 b |
| CENDL-3.2 | 0.0643942 b | 0.0643942 b | 0.065406 b | 1.01571 | 2.19335 b | 1.06433 b | 2.2521 b |
| TENDL-2019 | 0.0813505 b | 0.0813505 b | 0.081725 b | 1.00461 | 1.75601 b | 1.06673 b | 2.20695 b |

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|---------------------|--|-------------------------------|
| << 95-Am-242m | 95-Am-243 | 96-Cm-242 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Am244 production) | 95-Am-244 MT18 (n,fission) >> |



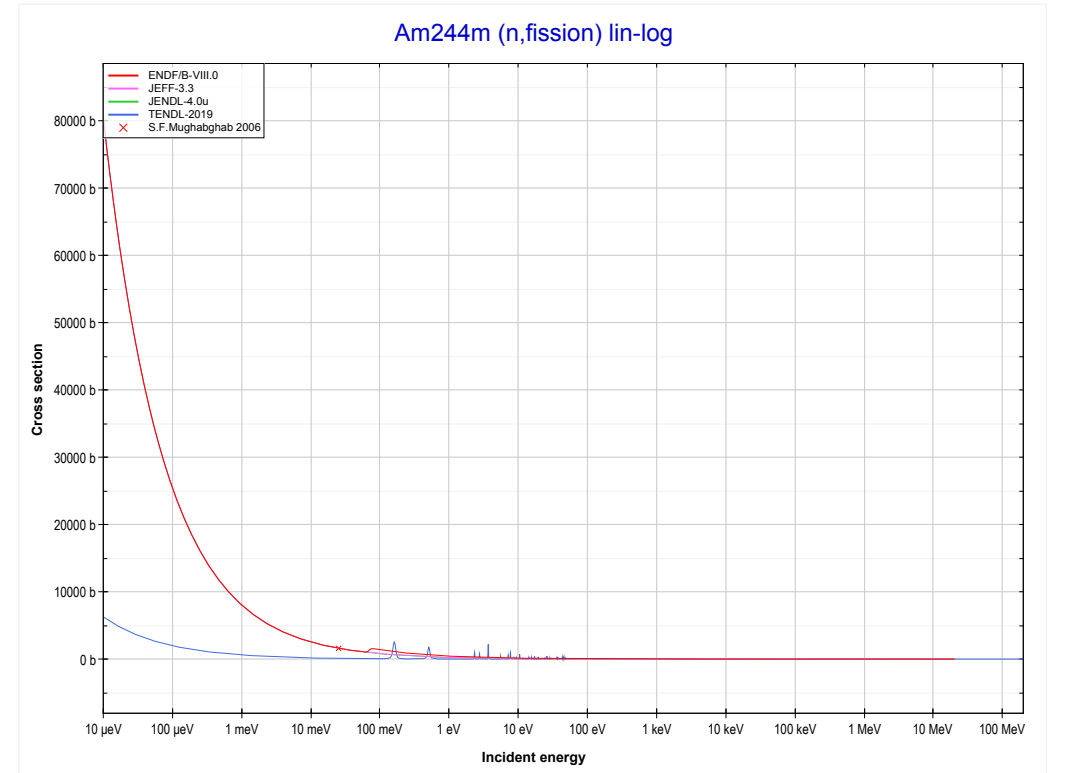
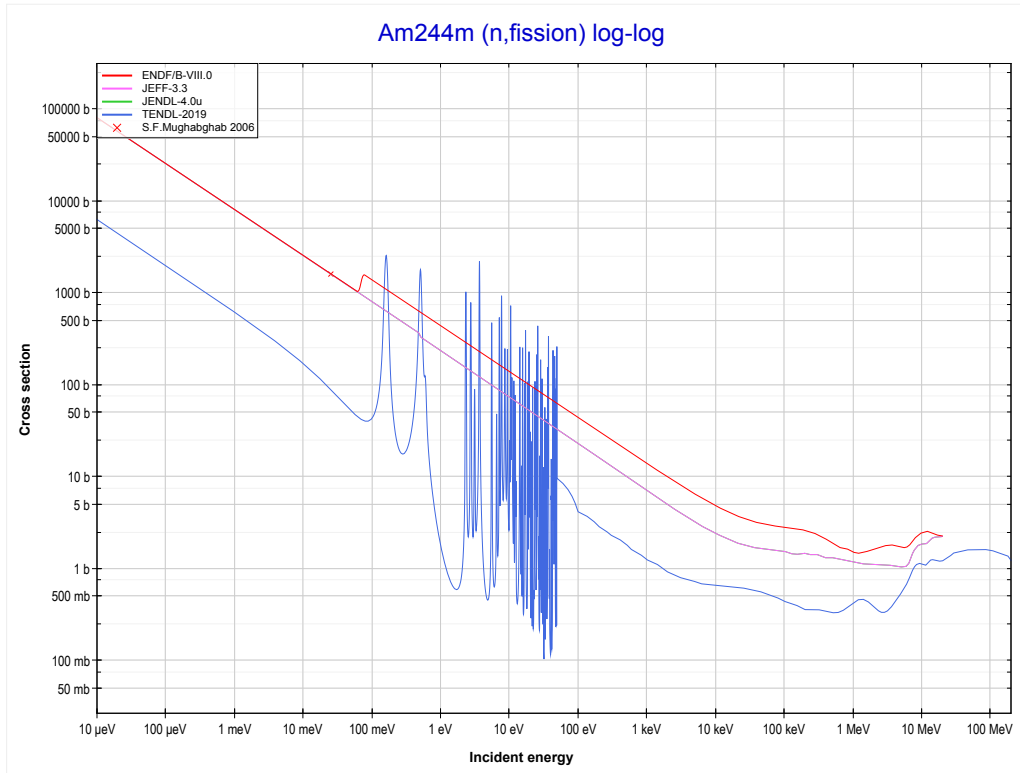
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 76.7197 b | 76.6666 b | 77.689 b | 1.0134 | 1786.11 b | 0.225719 b | 8.8752E-4 b |
| ENDF/B-VIII.0 | 80.4176 b | 80.4176 b | 81.517 b | 1.01367 | 2055.31 b | 0.216626 b | 0.00288321 b |
| JEFF-3.3 | 79.2498 b | 79.2498 b | 80.82 b | 1.01981 | 2039.12 b | 0.193053 b | 0.00119512 b |
| JENDL-4.0u | 79.2498 b | 79.2498 b | 80.82 b | 1.01981 | 2039.12 b | 0.193053 b | 0.00119512 b |
| BROND-3.1 | 76.7345 b | 76.7345 b | 77.788 b | 1.01373 | 1785.93 b | 0.151017 b | 0.00113622 b |
| CENDL-3.2 | 76.7188 b | 76.7188 b | 77.74 b | 1.01331 | 1786.06 b | 0.271714 b | 0.0013616 b |
| TENDL-2019 | 75.0834 b | 75.0834 b | 76.1 b | 1.01354 | 1811.2 b | 0.26264 b | 0.00117308 b |

| | | |
|-----------------------------------|-------------------------|--------------------------------|
| << 95-Am-243 | 95-Am-244 | 95-Am-244m >> |
| << 95-Am-243 MT102 (n, γ) | MT18 (n,fission) | 95-Am-244m MT18 (n,fission) >> |



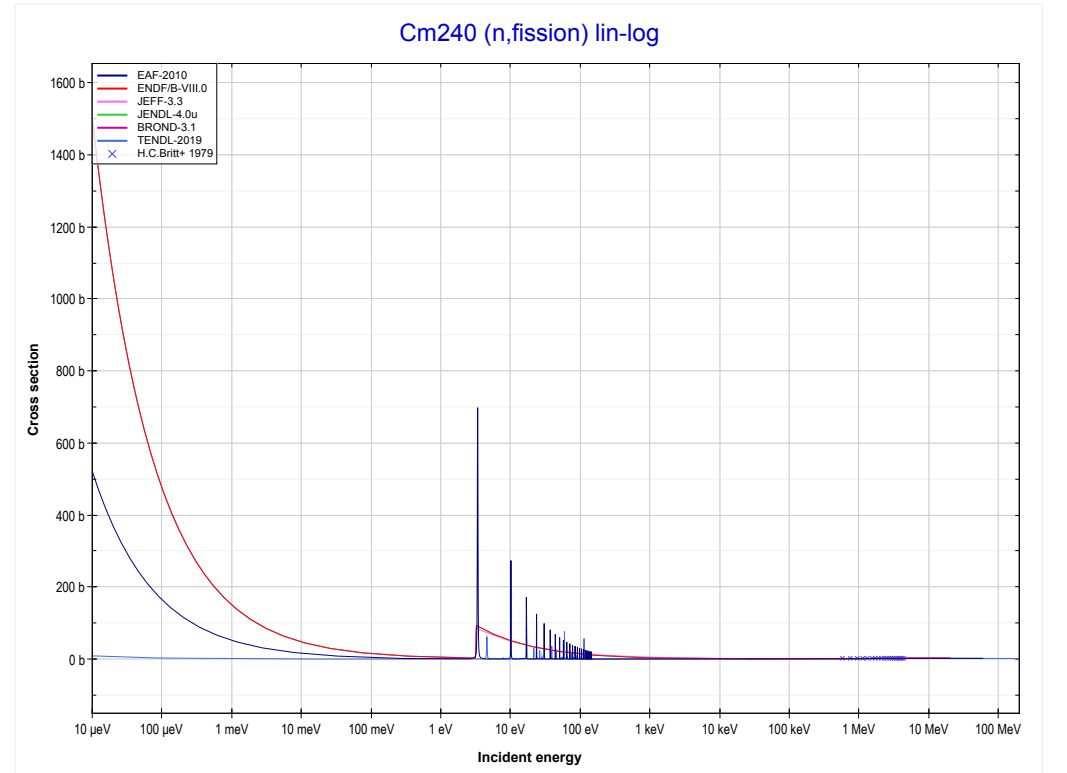
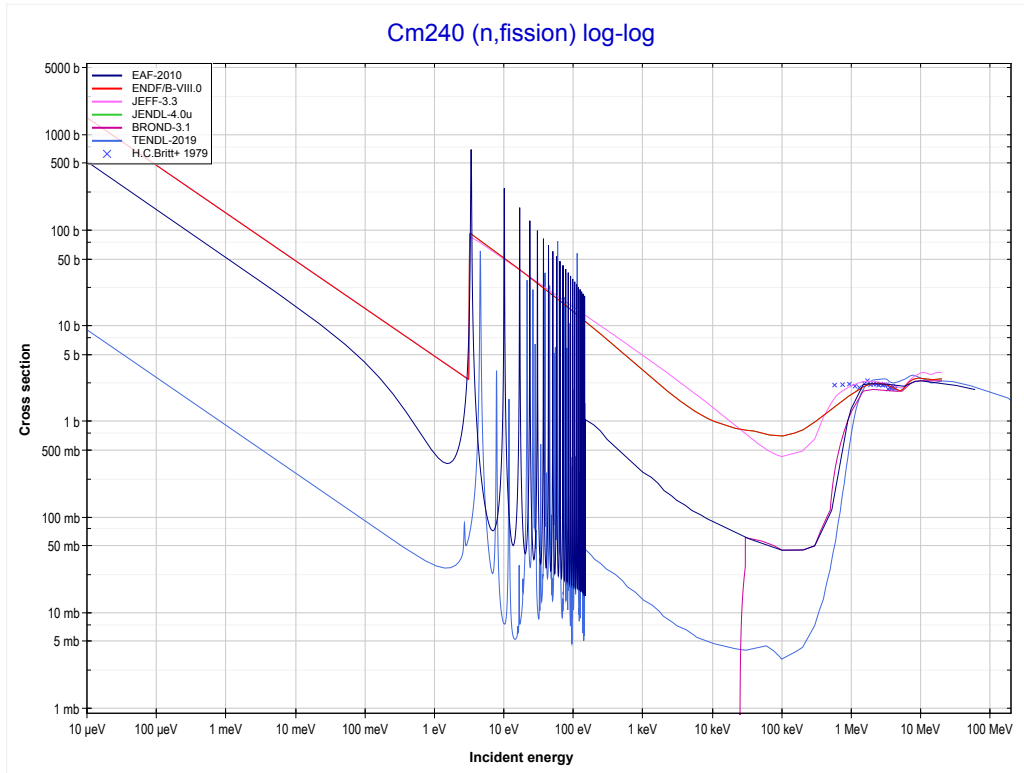
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2299.98 b | 2298.3 b | 2363.9 b | 1.02858 | 1247.7 b | 1.76391 b | 2.42727 b |
| ENDF/B-VIII.0 | 2300.33 b | 2300.33 b | 2366.8 b | 1.02888 | 1248.45 b | 1.76394 b | 2.42727 b |
| JEFF-3.3 | 2300.52 b | 2300.52 b | 2293.1 b | 0.99678 | 540.566 b | 1.34221 b | 2.12999 b |
| JENDL-4.0u | 2300.52 b | 2300.52 b | 2293.1 b | 0.99678 | 540.566 b | 1.34221 b | 2.12999 b |
| CENDL-3.2 | 2300.84 b | 2300.84 b | 2308.4 b | 1.0033 | 1085.36 b | 1.70558 b | 2.3659 b |
| TENDL-2019 | 288.329 b | 288.329 b | 279.4 b | 0.96904 | 379.034 b | 0.104893 b | 1.18522 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 95-Am-244 | 95-Am-244m | 96-Cm-240 >> |
| << 95-Am-244 MT18 (n,fission) | MT18 (n,fission) | 96-Cm-240 MT18 (n,fission) >> |



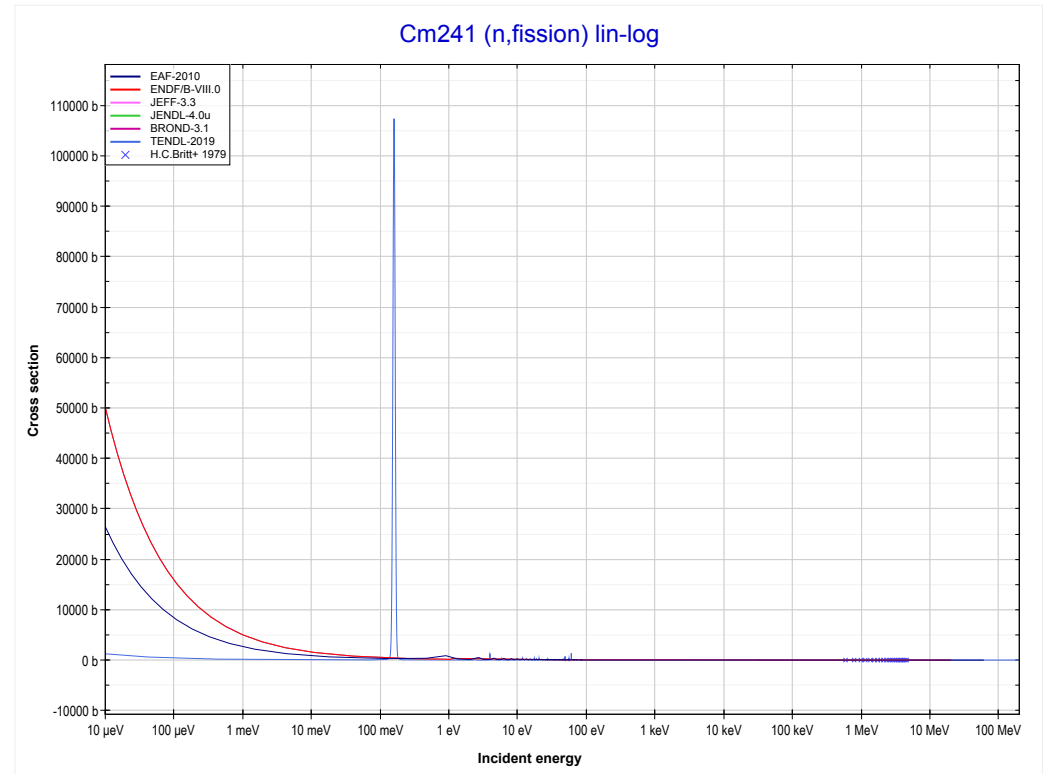
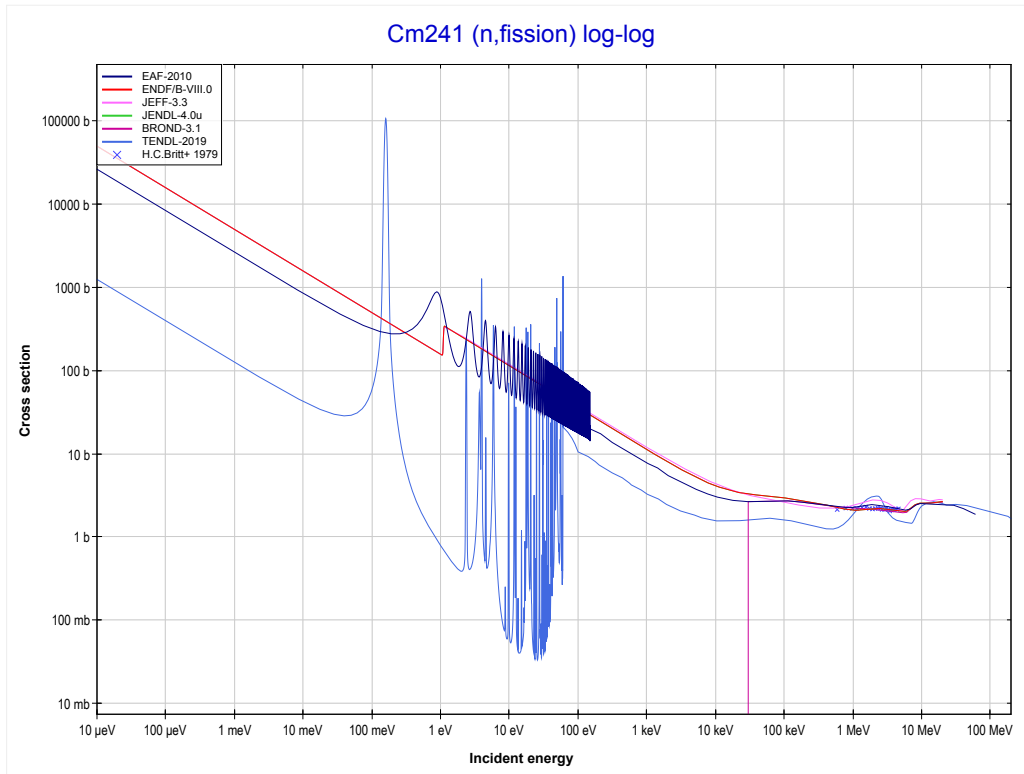
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 1600.33 b | 1600.33 b | 1763.7 b | 1.10206 | 1248.44 b | 1.764 b | 2.42727 b |
| JEFF-3.3 | 1600.33 b | 1600.33 b | 1601.1 b | 1.00048 | 662.886 b | 1.18259 b | 2.12607 b |
| JENDL-4.0u | 1600.33 b | 1600.33 b | 1601.1 b | 1.00048 | 662.886 b | 1.18259 b | 2.12607 b |
| TENDL-2019 | 88.7203 b | 88.7203 b | 115.77 b | 1.30487 | 331.59 b | 0.414626 b | 1.25088 b |

| | | |
|--------------------------------|-------------------------|-------------------------------|
| << 95-Am-244m | 96-Cm-240 | 96-Cm-241 >> |
| << 95-Am-244m MT18 (n,fission) | MT18 (n,fission) | 96-Cm-241 MT18 (n,fission) >> |



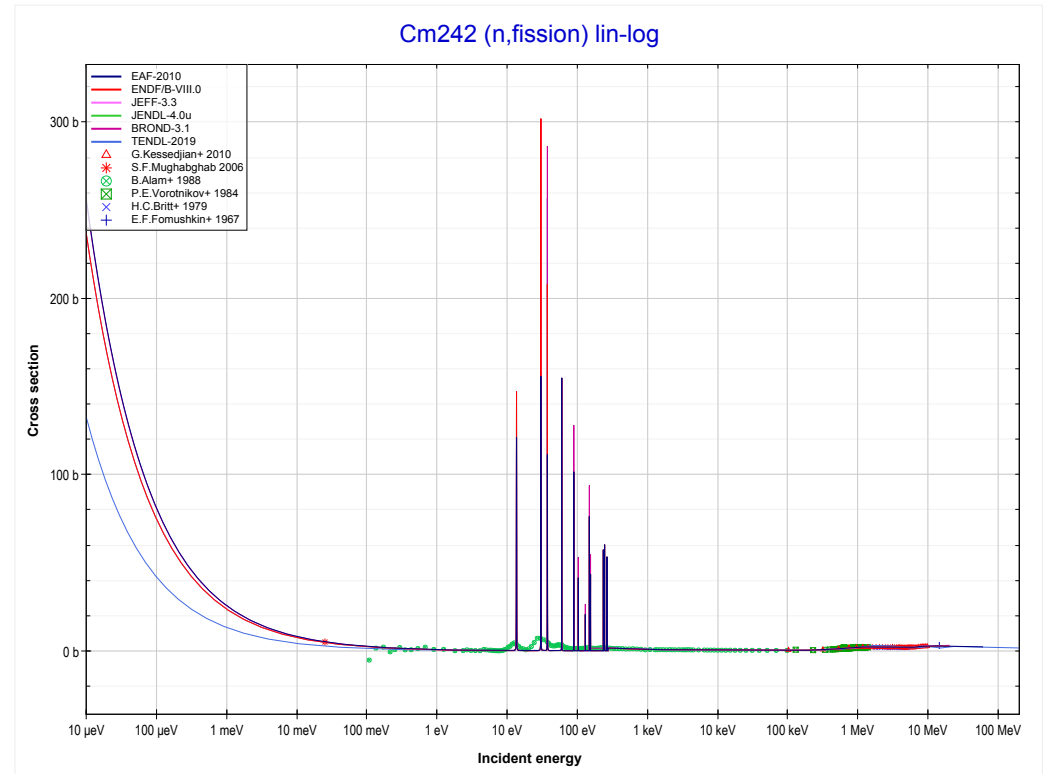
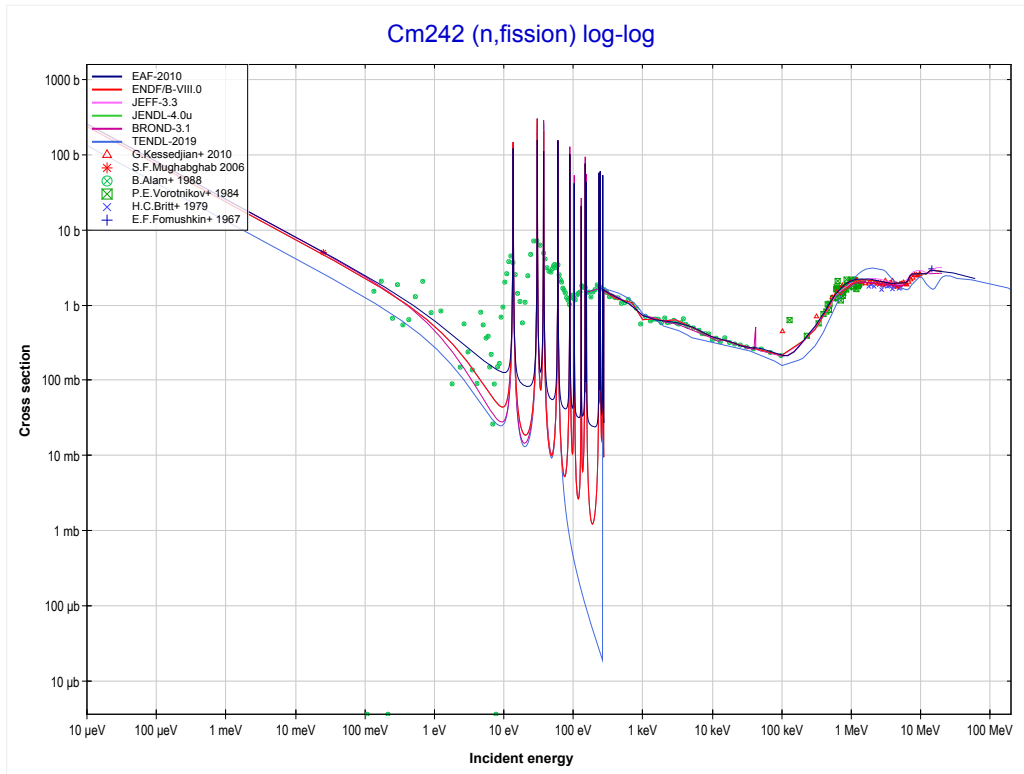
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 9.75071 b | 9.74275 b | 9.4943 b | 0.97444 | 36.8403 b | 1.70149 b | 2.55138 b |
| ENDF/B-VIII.0 | 30.0081 b | 30.0081 b | 30.041 b | 1.0011 | 179.88 b | 2.03161 b | 2.73985 b |
| JEFF-3.3 | 30.0081 b | 30.0081 b | 30.041 b | 1.0011 | 183.274 b | 2.2087 b | 3.082 b |
| JENDL-4.0u | 30.0081 b | 30.0081 b | 30.041 b | 1.0011 | 179.88 b | 2.03161 b | 2.73985 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.0683861 b | 1.52392 b | 2.64665 b |
| TENDL-2019 | 0.180601 b | 0.180601 b | 0.18062 b | 1.00008 | 4.50306 b | 1.68104 b | 2.52445 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 96-Cm-240 | 96-Cm-241 | 96-Cm-242 >> |
| << 96-Cm-240 MT18 (n,fission) | MT18 (n,fission) | 96-Cm-242 MT18 (n,fission) >> |



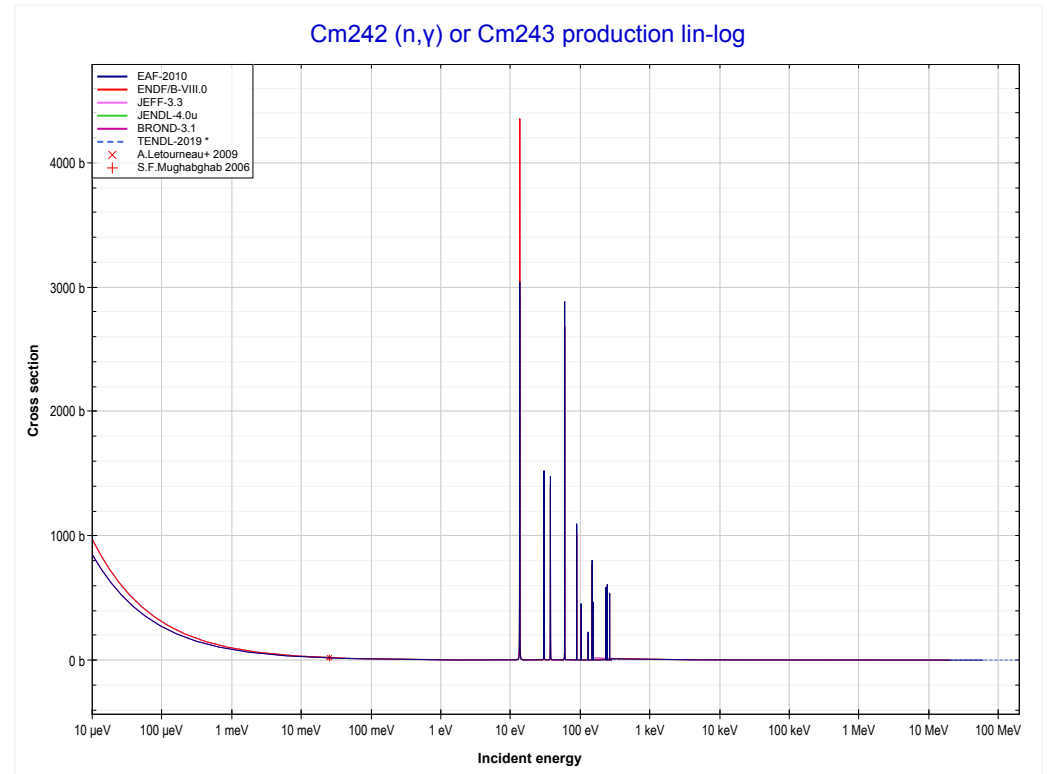
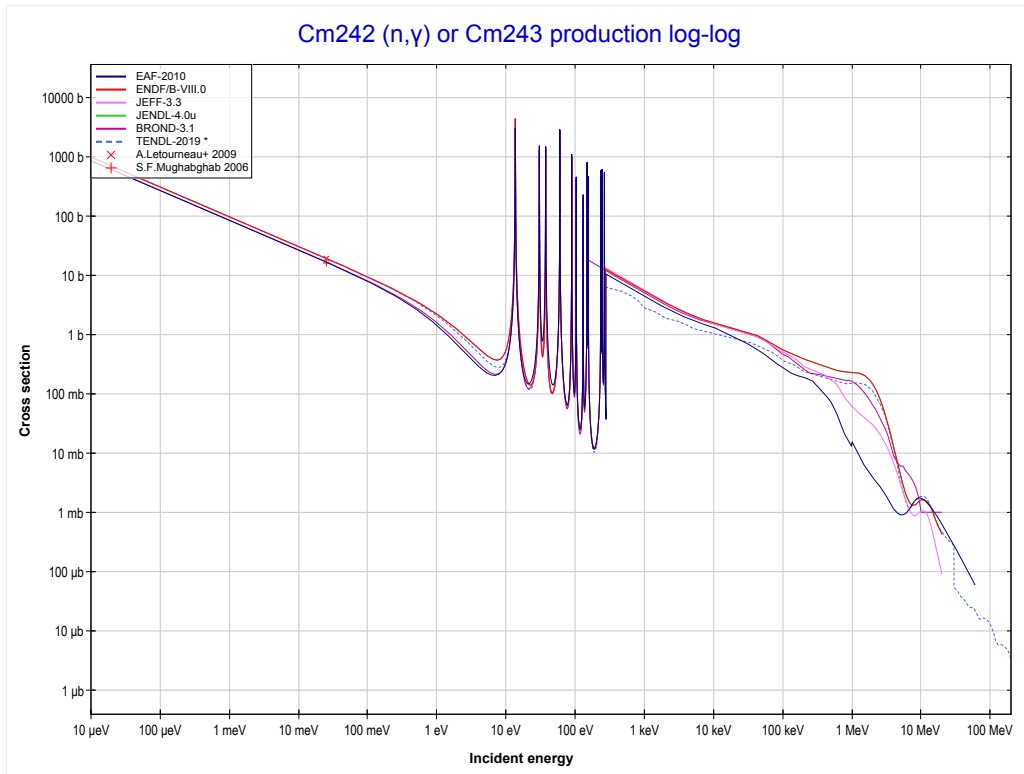
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 549.988 b | 549.62 b | 563.86 b | 1.02599 | 1165.4 b | 2.35373 b | 2.46732 b |
| ENDF/B-VIII.0 | 1000.07 b | 1000.07 b | 999.22 b | 0.99915 | 843.061 b | 2.21813 b | 2.57093 b |
| JEFF-3.3 | 1000.07 b | 1000.07 b | 999.22 b | 0.99915 | 856.088 b | 2.49764 b | 2.711 b |
| JENDL-4.0u | 1000.07 b | 1000.07 b | 999.22 b | 0.99915 | 843.061 b | 2.21813 b | 2.57093 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 3.24209 b | 2.19059 b | 2.5663 b |
| TENDL-2019 | 30.6526 b | 30.6526 b | 889.96 b | 29.03384 | 107.741 b | 2.08267 b | 2.64159 b |

| | | |
|-------------------------------|-------------------------|-------------------------|
| << 96-Cm-241 | 96-Cm-242 | 96-Cm-243 >> |
| << 96-Cm-241 MT18 (n,fission) | MT18 (n,fission) | MT102 (n, γ) >> |



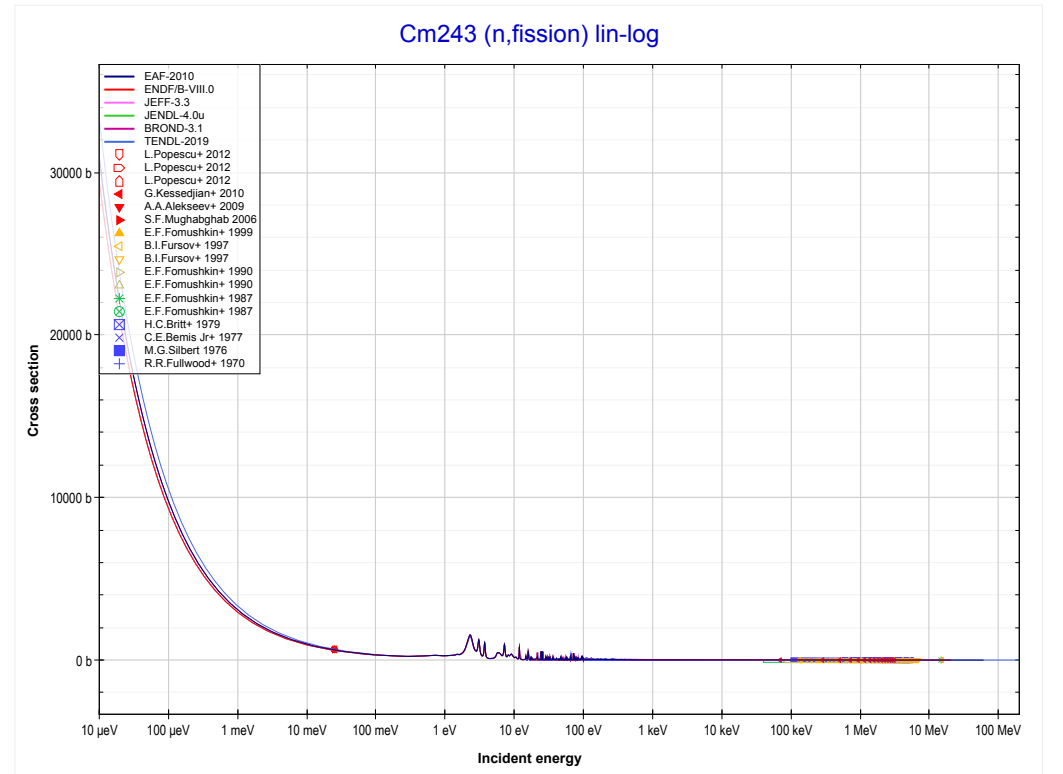
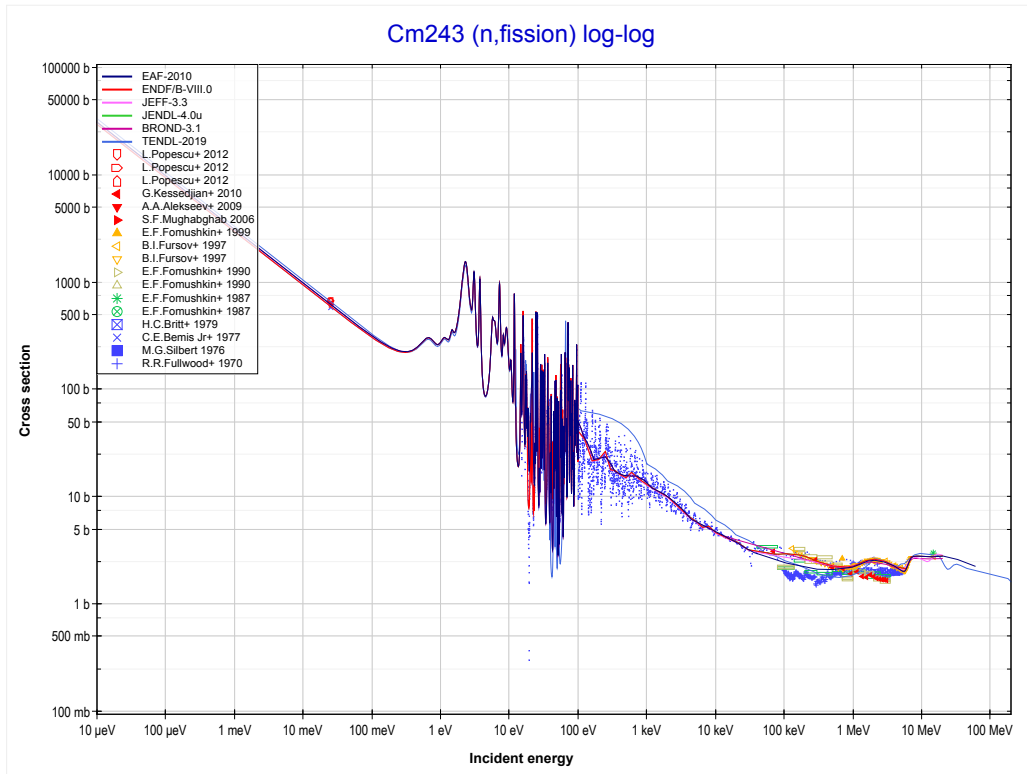
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 5.06944 b | 5.06559 b | 5.0431 b | 0.99554 | 11.1588 b | 1.83022 b | 2.907 b |
| ENDF/B-VIII.0 | 4.66514 b | 4.66514 b | 4.6447 b | 0.99563 | 12.6762 b | 1.76175 b | 2.90701 b |
| JEFF-3.3 | 4.66514 b | 4.66514 b | 4.6447 b | 0.99563 | 12.6669 b | 1.81844 b | 2.807 b |
| JENDL-4.0u | 4.66514 b | 4.66514 b | 4.6447 b | 0.99563 | 12.6762 b | 1.76175 b | 2.90701 b |
| BROND-3.1 | 5.00053 b | 5.00053 b | 4.9633 b | 0.99256 | 12.6845 b | 1.68323 b | 2.609 b |
| TENDL-2019 | 2.6079 b | 2.6079 b | 2.5933 b | 0.9944 | 10.2484 b | 2.10681 b | 1.67632 b |

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|---------------------|--|-------------------------------|
| << 95-Am-243 | 96-Cm-242 | 96-Cm-243 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm243 production) | 96-Cm-243 MT18 (n,fission) >> |



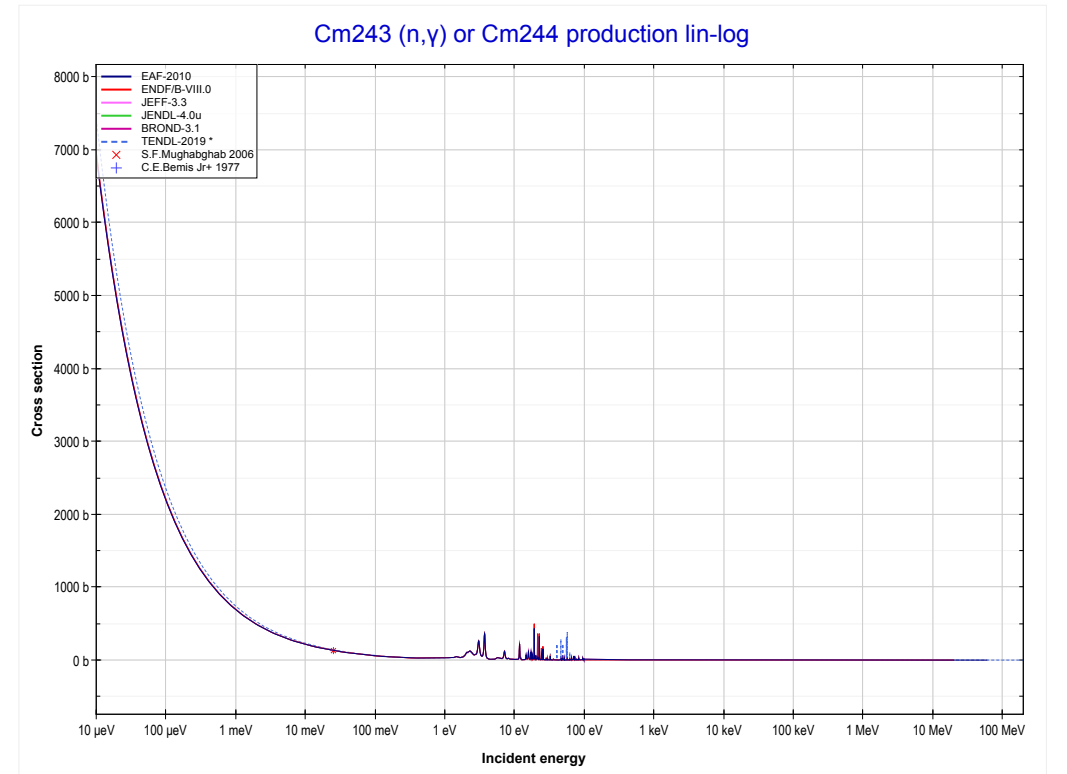
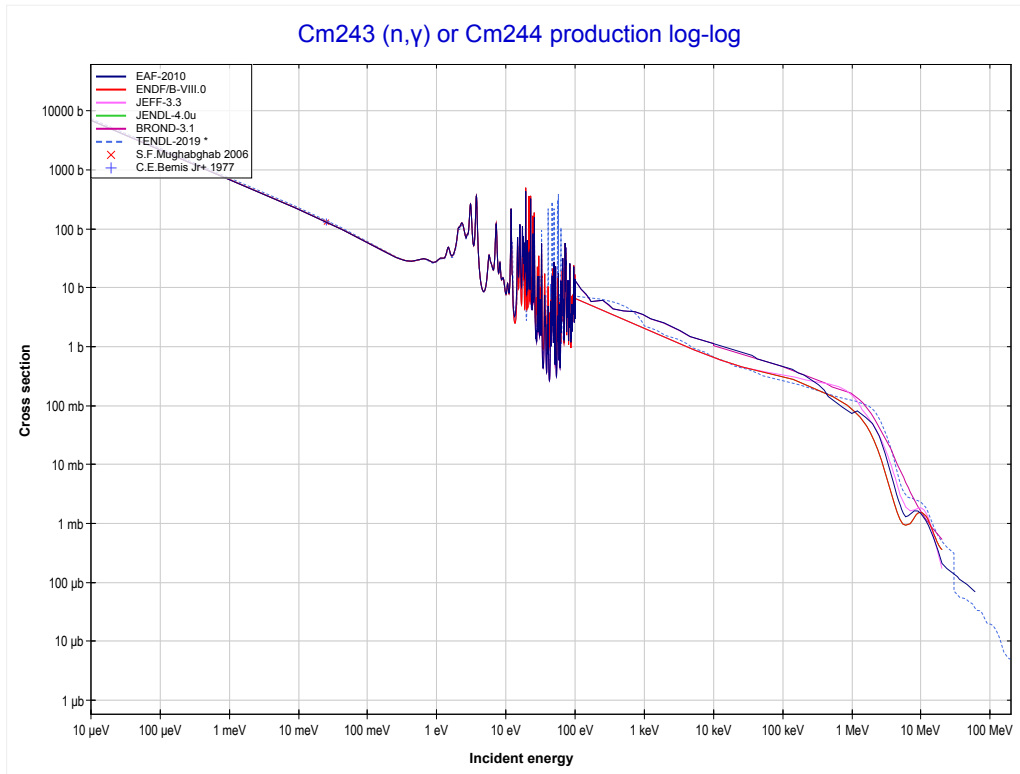
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 16.5244 b | 16.5115 b | 16.355 b | 0.99047 | 115.464 b | 0.0331528 b | 0.00119911 b |
| ENDF/B-VIII.0 | 19.1306 b | 19.1306 b | 19.051 b | 0.99585 | 131.65 b | 0.174884 b | 0.00118628 b |
| JEFF-3.3 | 19.1306 b | 19.1306 b | 19.051 b | 0.99585 | 132.11 b | 0.0793787 b | 5.79299E-4 b |
| JENDL-4.0u | 19.1306 b | 19.1306 b | 19.051 b | 0.99585 | 131.65 b | 0.174884 b | 0.00118628 b |
| BROND-3.1 | 16.6625 b | 16.6625 b | 16.543 b | 0.99285 | 113.674 b | 0.113994 b | 0.001 b |
| TENDL-2019 | 19.1398 b | 19.1398 b | 19.035 b | 0.99453 | 104.081 b | 0.120225 b | 0.00120098 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 96-Cm-242 | 96-Cm-243 | 96-Cm-244 >> |
| << 96-Cm-242 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



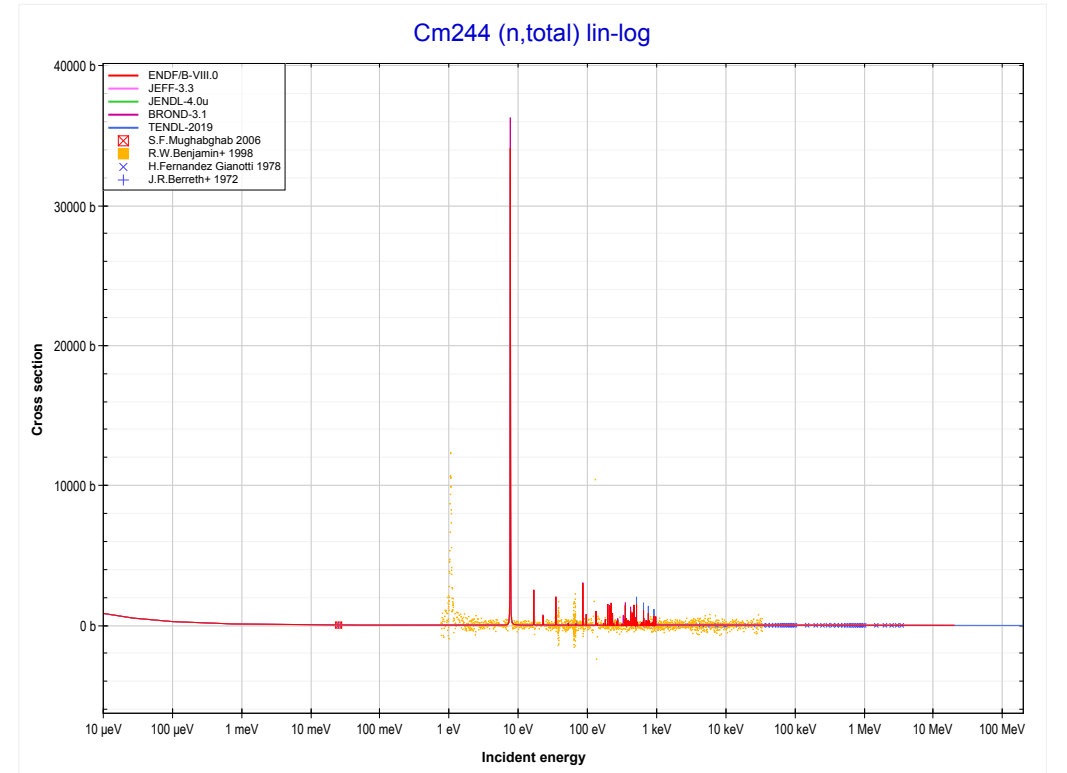
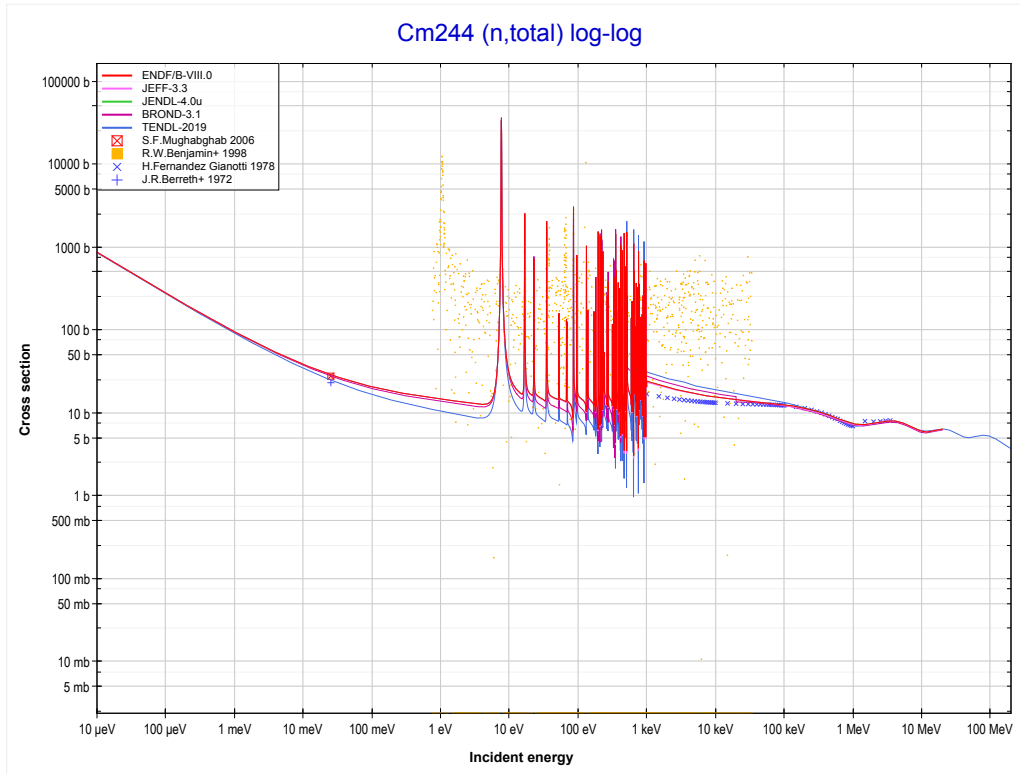
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 613.358 b | 612.913 b | 615.41 b | 1.00411 | 1531.26 b | 2.33747 b | 2.74974 b |
| ENDF/B-VIII.0 | 587.301 b | 587.301 b | 590.9 b | 1.00613 | 1534.72 b | 2.43257 b | 2.75001 b |
| JEFF-3.3 | 587.301 b | 587.301 b | 590.9 b | 1.00613 | 1533.82 b | 2.41314 b | 2.647 b |
| JENDL-4.0u | 587.301 b | 587.301 b | 590.9 b | 1.00613 | 1534.72 b | 2.43257 b | 2.75001 b |
| BROND-3.1 | 613.453 b | 613.453 b | 616.15 b | 1.00439 | 1531.76 b | 2.34414 b | 2.6467 b |
| TENDL-2019 | 654.515 b | 654.515 b | 654.36 b | 0.99976 | 1561.21 b | 2.22747 b | 2.8682 b |

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|---------------------|--|----------------------------|
| << 96-Cm-242 | 96-Cm-243 | 96-Cm-244 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm244 production) | 96-Cm-244 MT1 (n,total) >> |



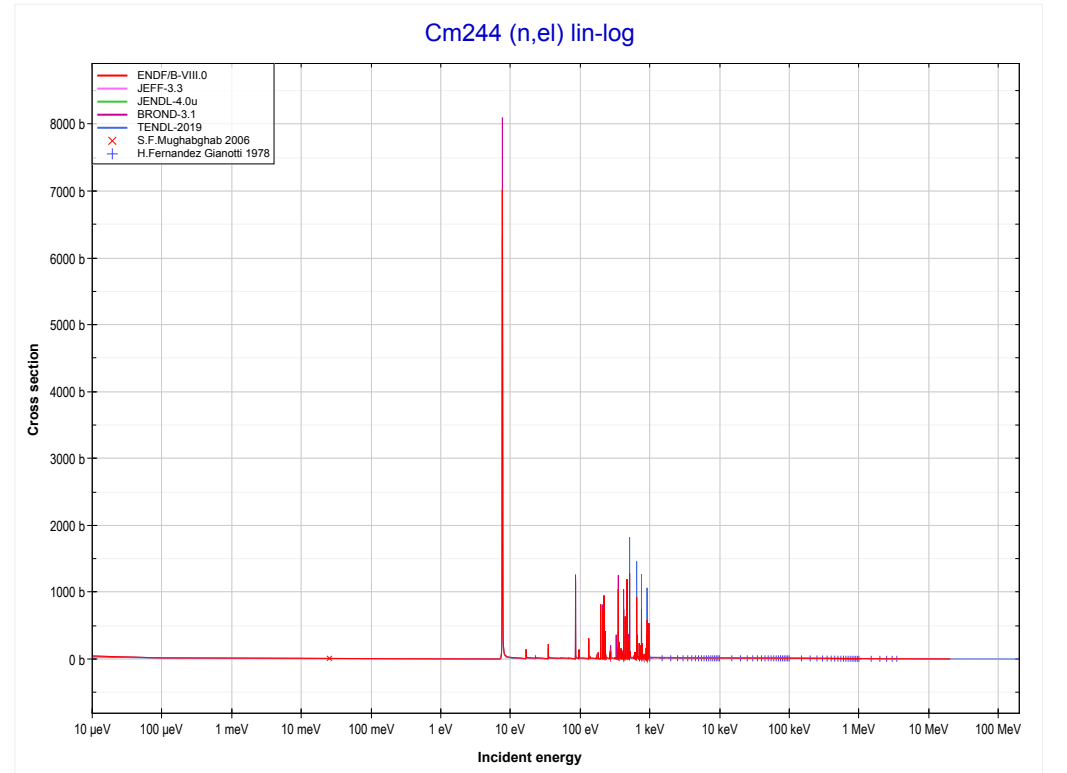
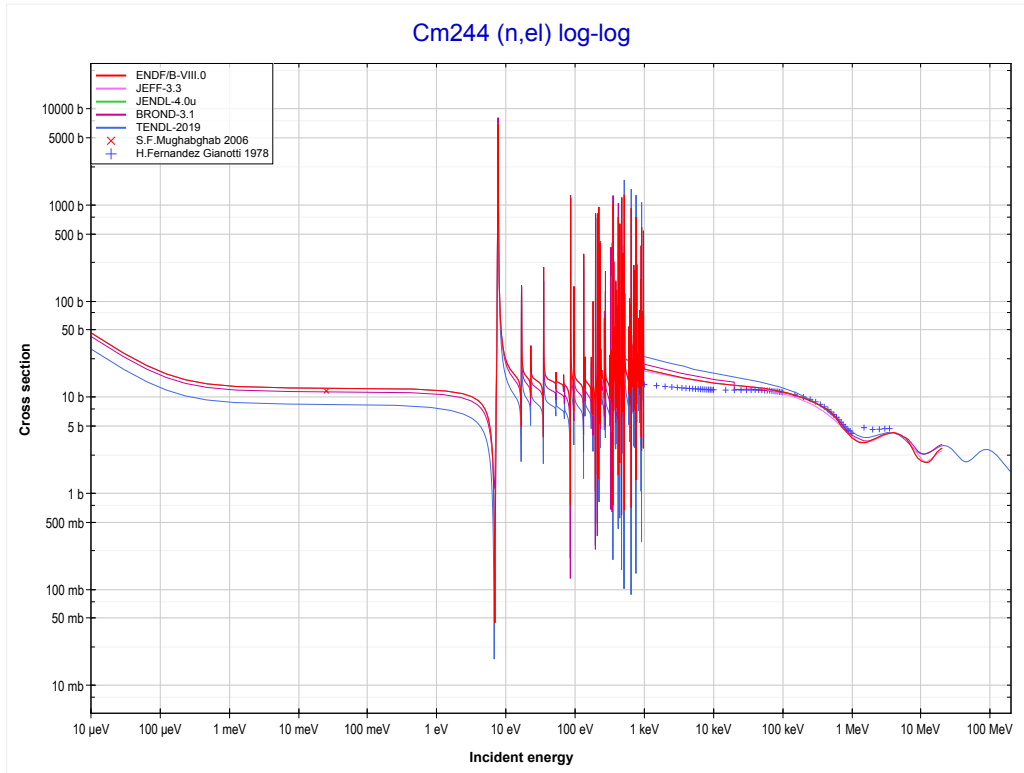
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 130.494 b | 130.389 b | 127.98 b | 0.98147 | 211.74 b | 0.0825193 b | 7.2651E-4 b |
| ENDF/B-VIII.0 | 131.365 b | 131.365 b | 128.96 b | 0.98166 | 205.095 b | 0.0698205 b | 8.63294E-4 b |
| JEFF-3.3 | 131.365 b | 131.365 b | 128.96 b | 0.98166 | 205.072 b | 0.104914 b | 8.82997E-4 b |
| JENDL-4.0u | 131.365 b | 131.365 b | 128.96 b | 0.98166 | 205.095 b | 0.0698205 b | 8.63294E-4 b |
| BROND-3.1 | 130.515 b | 130.515 b | 128.15 b | 0.98189 | 211.56 b | 0.119343 b | 8.86251E-4 b |
| TENDL-2019 | 139.385 b | 139.385 b | 136.55 b | 0.97963 | 201.579 b | 0.0972934 b | 0.00114286 b |

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|-----------------------------------|----------------------|--------------------|
| << 95-Am-243 | 96-Cm-244 | 96-Cm-245 >> |
| << 96-Cm-243 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



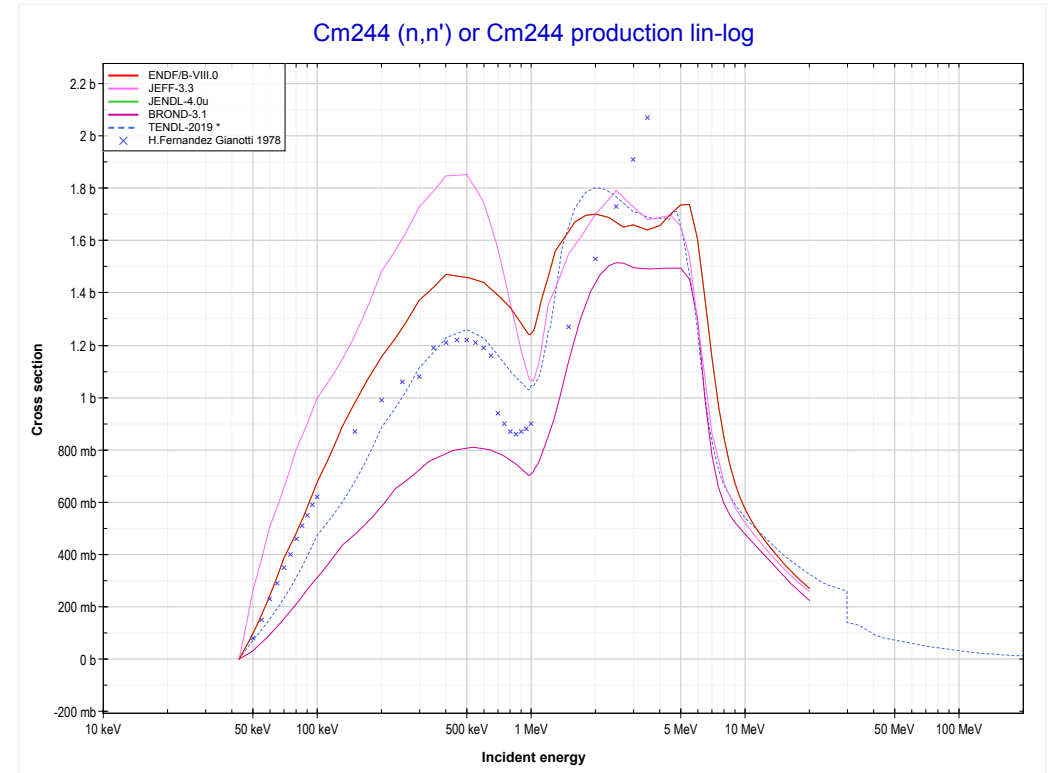
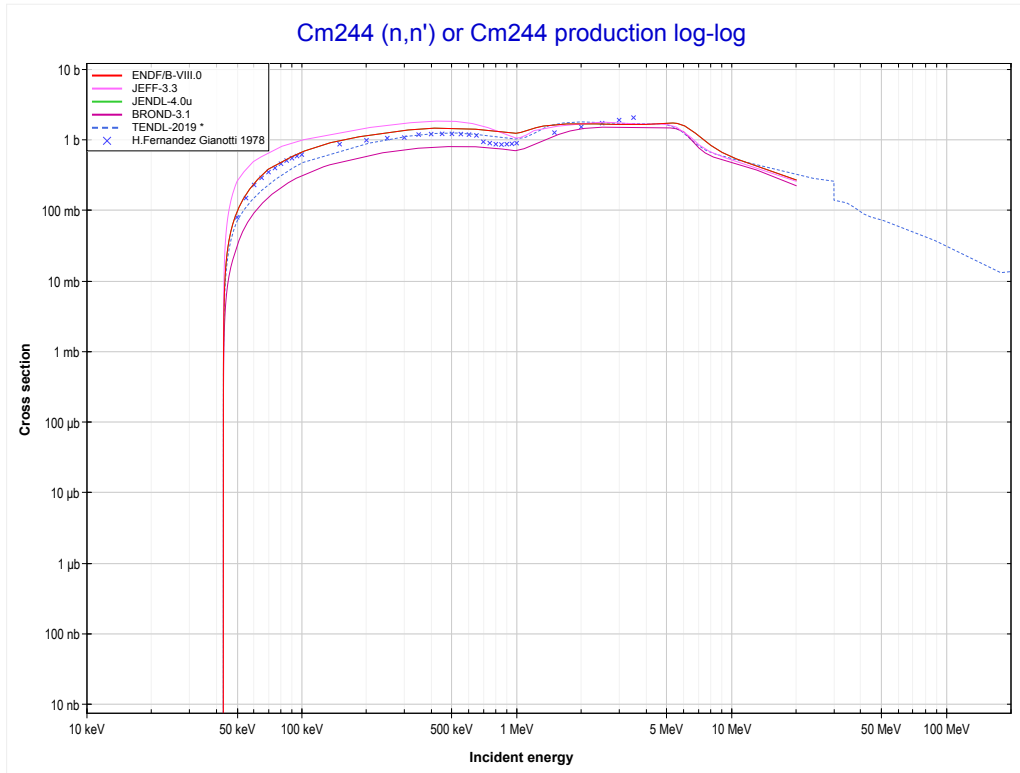
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 28.6428 b | 28.6428 b | 30.231 b | 1.05545 | 978.805 b | 8.03002 b | 5.9352 b |
| JEFF-3.3 | 28.6428 b | 28.6428 b | 30.231 b | 1.05545 | 977.093 b | 7.9175 b | 5.94697 b |
| JENDL-4.0u | 28.6428 b | 28.6428 b | 30.231 b | 1.05545 | 978.805 b | 8.03002 b | 5.9352 b |
| BROND-3.1 | 27.6488 b | 27.6488 b | 29.12 b | 1.05322 | 996.581 b | 7.73216 b | 5.81394 b |
| TENDL-2019 | 24.6939 b | 24.6939 b | 25.757 b | 1.04305 | 917.131 b | 7.92617 b | 6.05529 b |

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|------------------|------------------------|---------------|
| << 94-Pu-242 | 96-Cm-244 | 96-Cm-246 >> |
| << MT1 (n,total) | MT2 (n,elastic) | MT4 (n,n') >> |



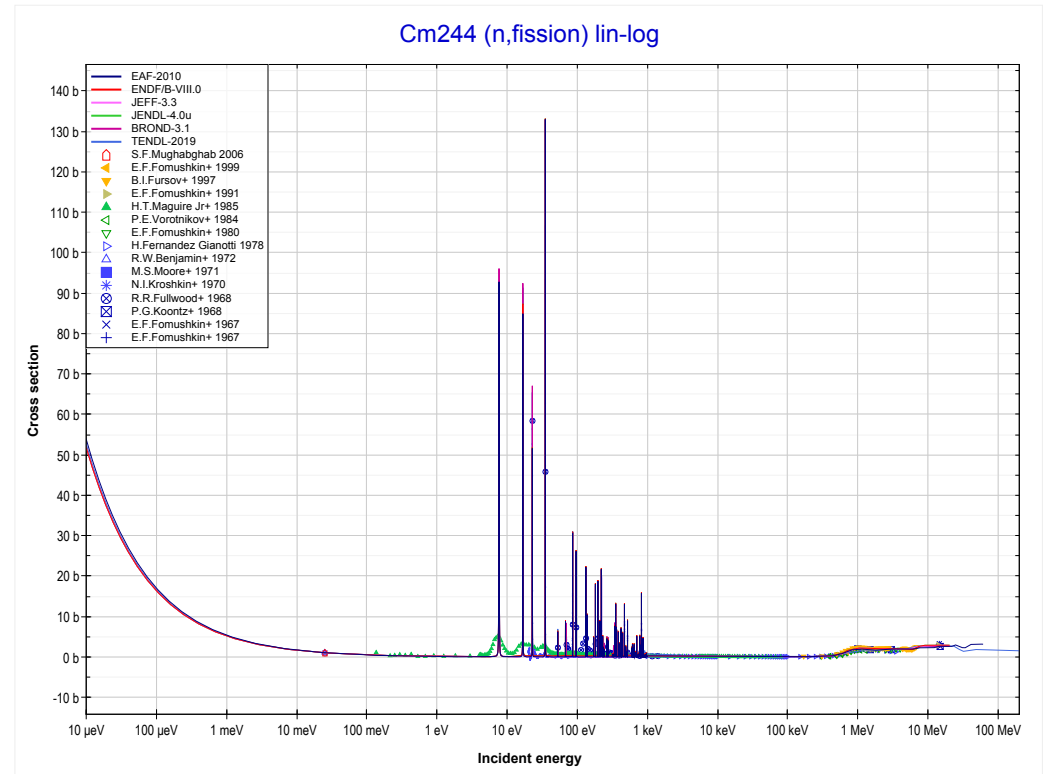
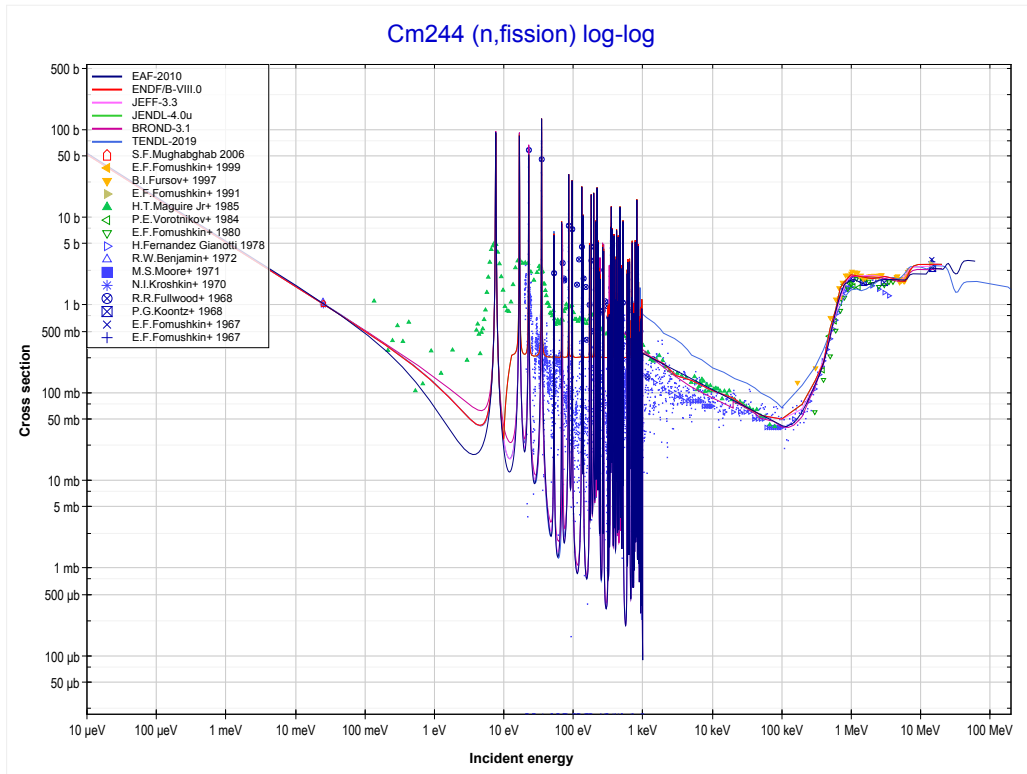
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 12.3887 b | 12.3887 b | 13.963 b | 1.12707 | 346.242 b | 4.68662 b | 2.19465 b |
| JEFF-3.3 | 12.3887 b | 12.3887 b | 13.963 b | 1.12707 | 345.369 b | 4.56829 b | 2.27066 b |
| JENDL-4.0u | 12.3887 b | 12.3887 b | 13.963 b | 1.12707 | 346.242 b | 4.68662 b | 2.19465 b |
| BROND-3.1 | 11.3651 b | 11.3651 b | 12.808 b | 1.12696 | 348.759 b | 4.759 b | 2.71742 b |
| TENDL-2019 | 8.40408 b | 8.40408 b | 9.4618 b | 1.12586 | 309.748 b | 4.94328 b | 2.70031 b |

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|--------------------|---|----------------------------------|
| << 95-Am-243 | 96-Cm-244 | |
| << MT2 (n,elastic) | MT4 (n,n') or MT5 (Cm244 production) | MT18 (n,fission) >> |



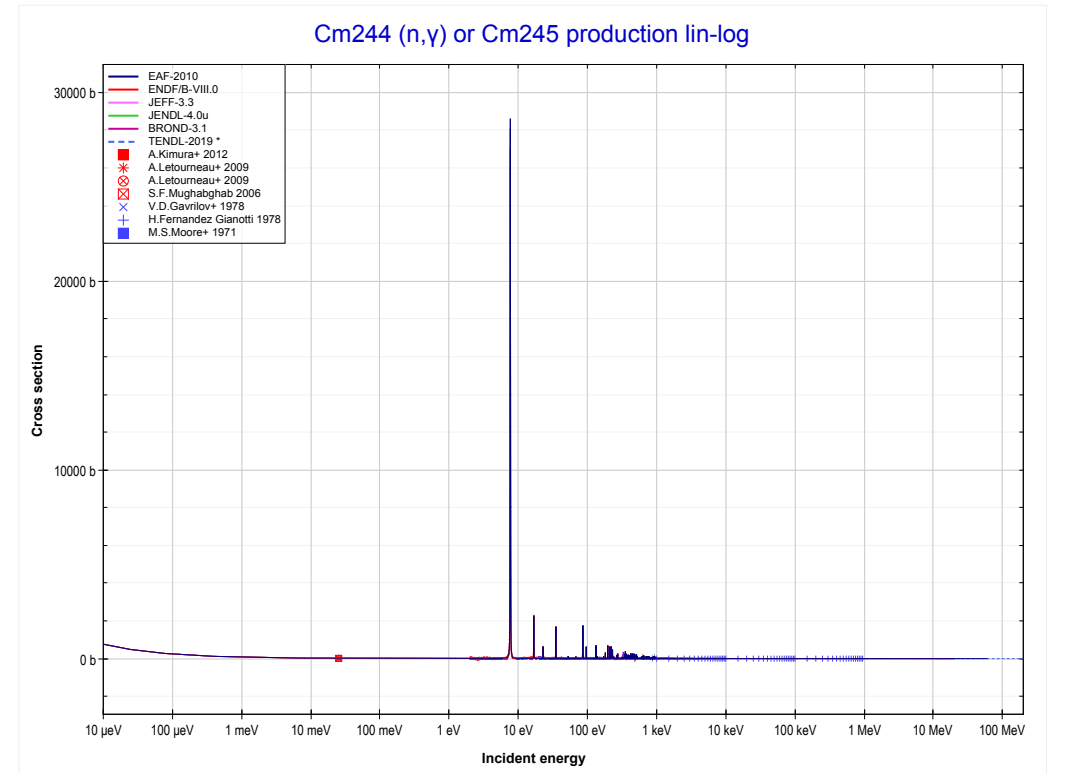
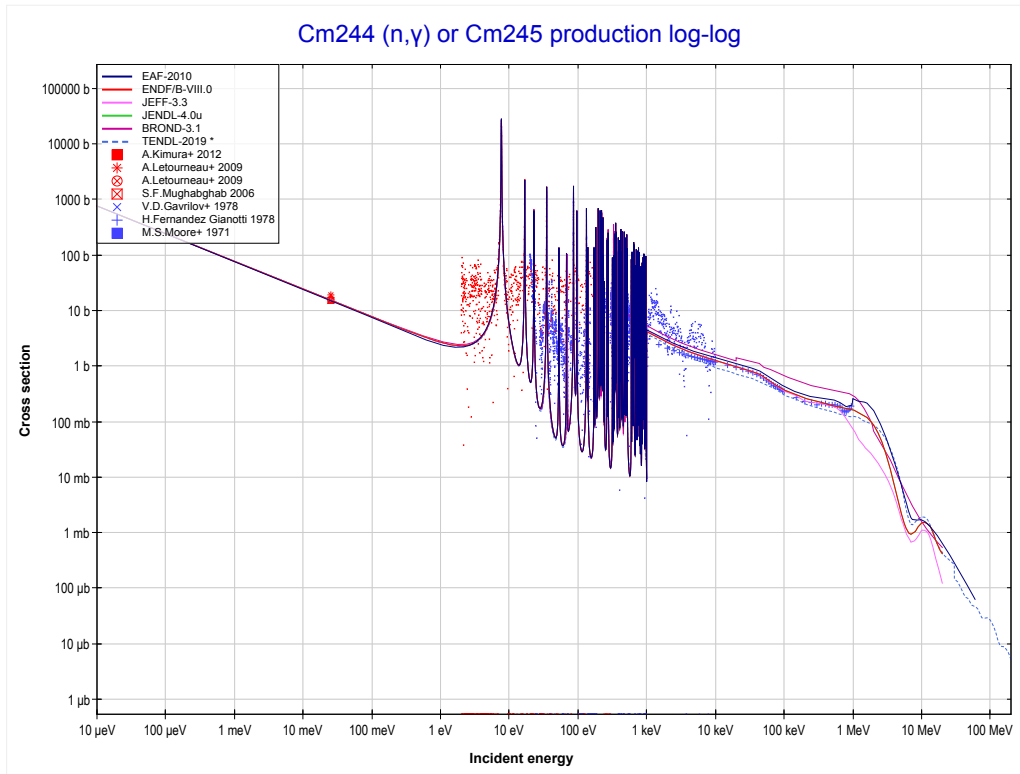
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 0 b | 0 b | 0 b | 0 | 0.272257 b | 1.50552 b | 0.398341 b |
| JEFF-3.3 | 0 b | 0 b | 0 b | 0 | 0.474712 b | 1.54379 b | 0.375487 b |
| JENDL-4.0u | 0 b | 0 b | 0 b | 0 | 0.272257 b | 1.50552 b | 0.398341 b |
| BROND-3.1 | 0 b | 0 b | 0 b | 0 | 0.11513 b | 1.10627 b | 0.348535 b |
| TENDL-2019 | 0 b | 0 b | 0 b | 0 | 0.178181 b | 1.42485 b | 0.424558 b |

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|---------------|-------------------------|-------------------------|
| << 96-Cm-243 | 96-Cm-244 | 96-Cm-245 >> |
| << MT4 (n,n') | MT18 (n,fission) | MT102 (n, γ) >> |



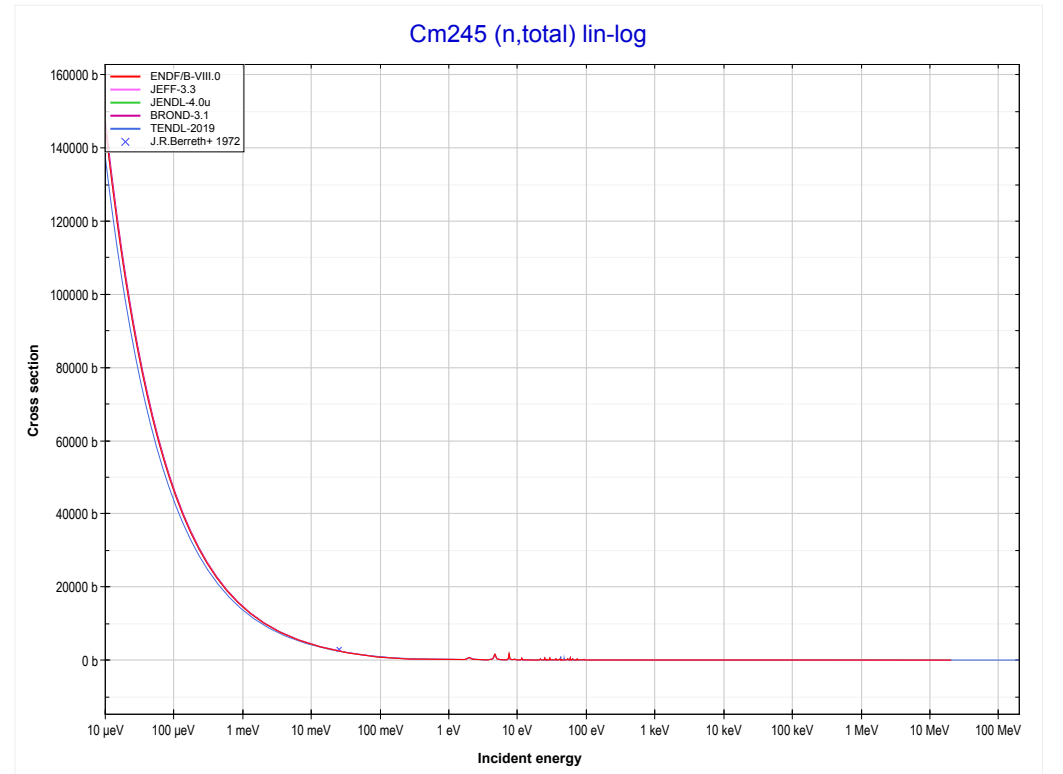
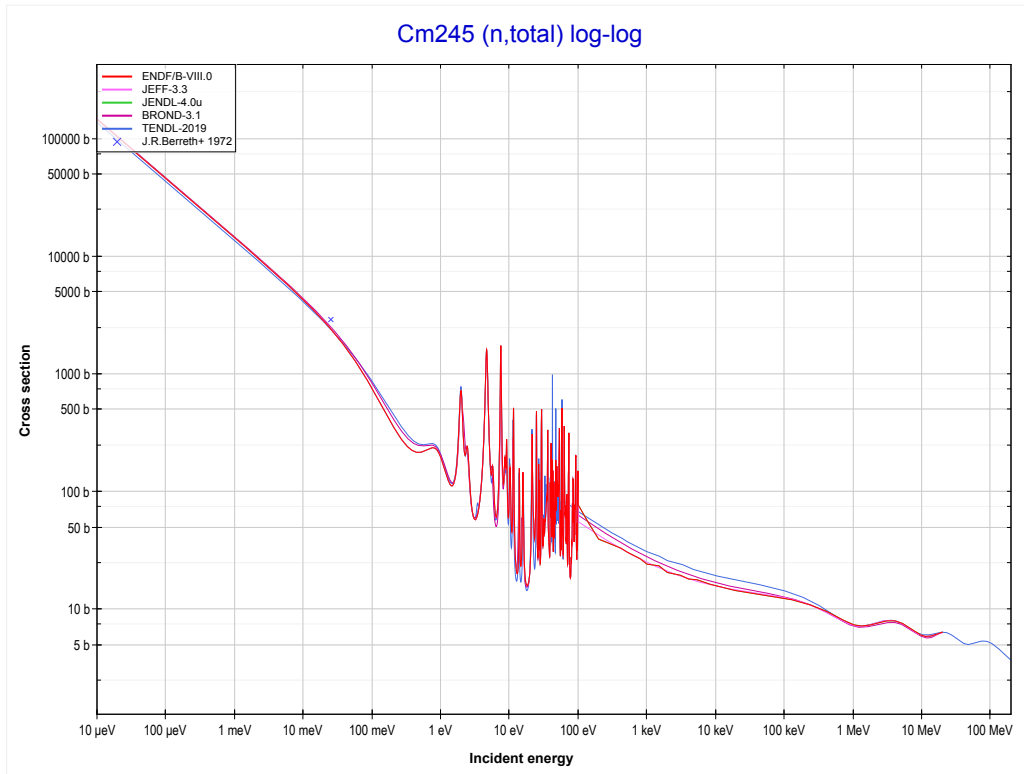
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1.03834 b | 1.03751 b | 1.0223 b | 0.9853 | 5.96114 b | 1.54941 b | 2.63592 b |
| ENDF/B-VIII.0 | 1.02215 b | 1.02215 b | 1.0191 b | 0.99706 | 7.16389 b | 1.71695 b | 2.922 b |
| JEFF-3.3 | 1.02215 b | 1.02215 b | 1.0191 b | 0.99706 | 6.04903 b | 1.72754 b | 2.805 b |
| JENDL-4.0u | 1.02215 b | 1.02215 b | 1.0191 b | 0.99706 | 7.16389 b | 1.71695 b | 2.922 b |
| BROND-3.1 | 1.02888 b | 1.02888 b | 1.028 b | 0.99919 | 6.19102 b | 1.6755 b | 2.548 b |
| TENDL-2019 | 1.04022 b | 1.04022 b | 1.0367 b | 0.99665 | 6.56935 b | 1.45478 b | 2.68505 b |

| | | |
|---------------------|--|----------------------------|
| << 96-Cm-243 | 96-Cm-244 | 96-Cm-245 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm245 production) | 96-Cm-245 MT1 (n,total) >> |



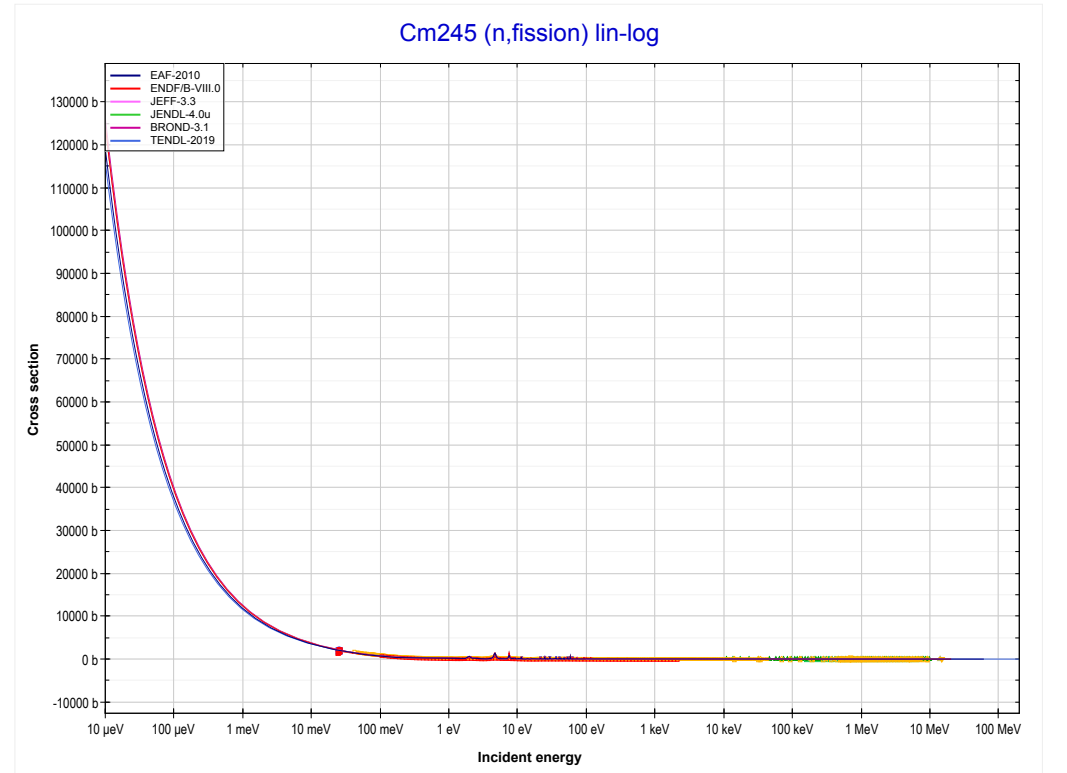
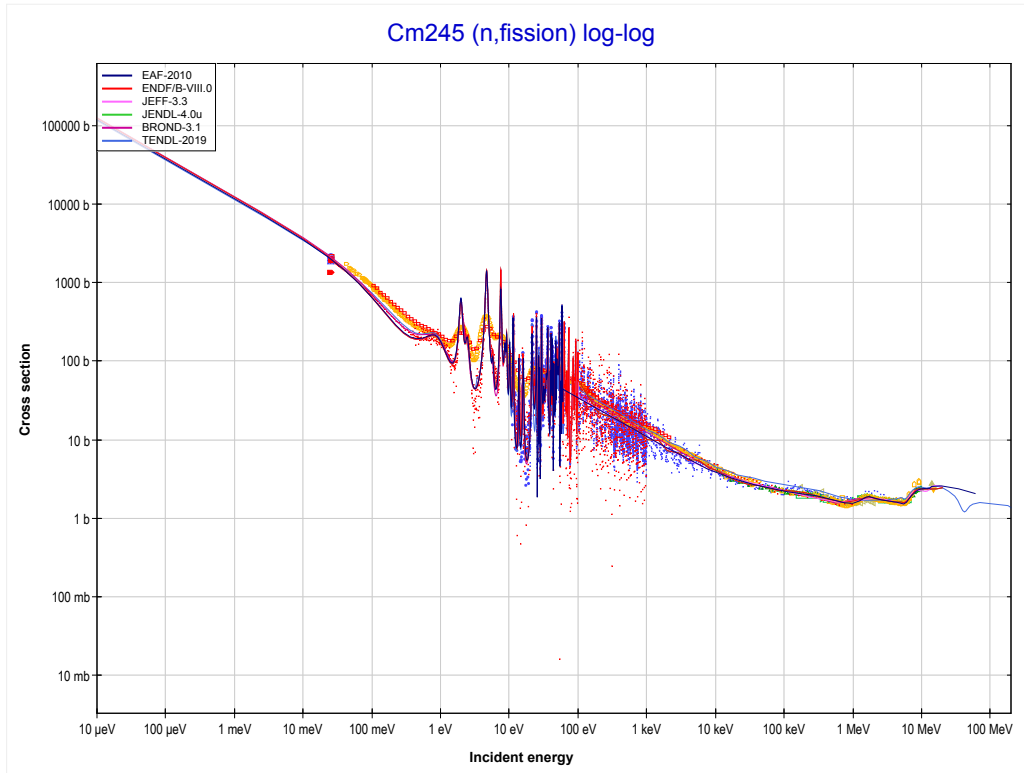
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 15.1174 b | 15.1059 b | 15.064 b | 0.99719 | 659.334 b | 0.167154 b | 0.0011987 b |
| ENDF/B-VIII.0 | 15.2319 b | 15.2319 b | 15.249 b | 1.00112 | 625.127 b | 0.118109 b | 0.00115426 b |
| JEFF-3.3 | 15.2319 b | 15.2319 b | 15.249 b | 1.00112 | 625.201 b | 0.0752918 b | 6.60748E-4 b |
| JENDL-4.0u | 15.2319 b | 15.2319 b | 15.249 b | 1.00112 | 625.127 b | 0.118109 b | 0.00115426 b |
| BROND-3.1 | 15.2548 b | 15.2548 b | 15.284 b | 1.00193 | 641.516 b | 0.190214 b | 8.86251E-4 b |
| TENDL-2019 | 15.2496 b | 15.2496 b | 15.258 b | 1.00057 | 600.641 b | 0.101 b | 0.00114069 b |

| | | |
|-----------------------------------|----------------------|---------------------|
| << 96-Cm-244 | 96-Cm-245 | 96-Cm-248 >> |
| << 96-Cm-244 MT102 (n, γ) | MT1 (n,total) | MT18 (n,fission) >> |



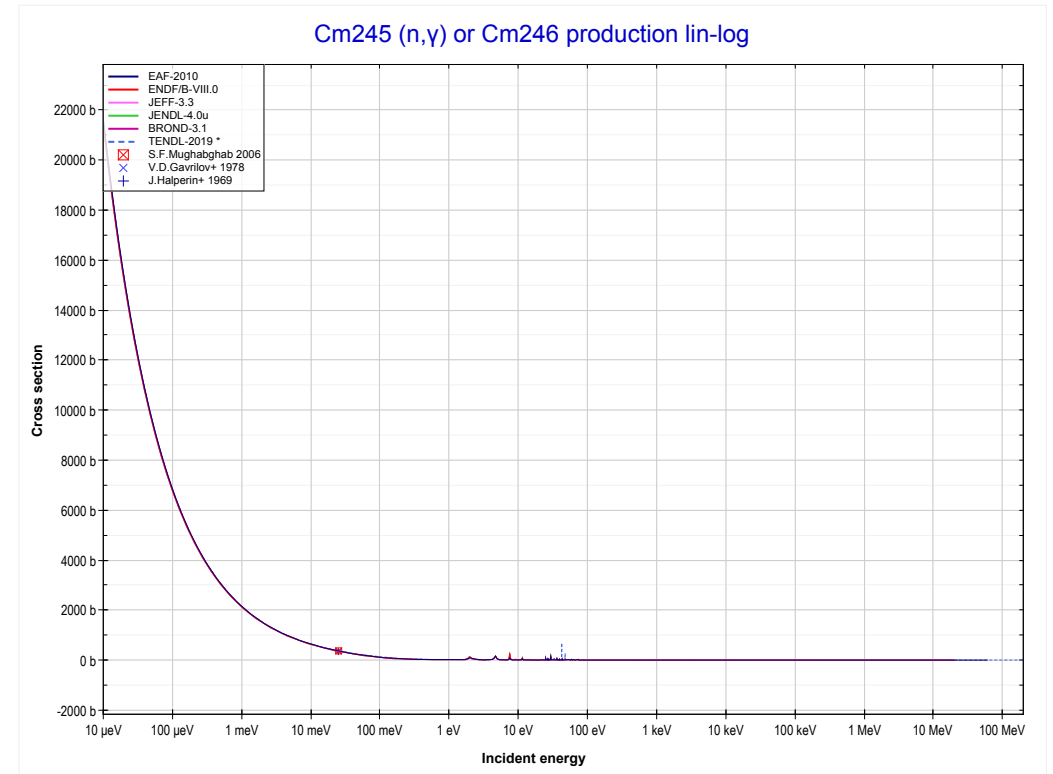
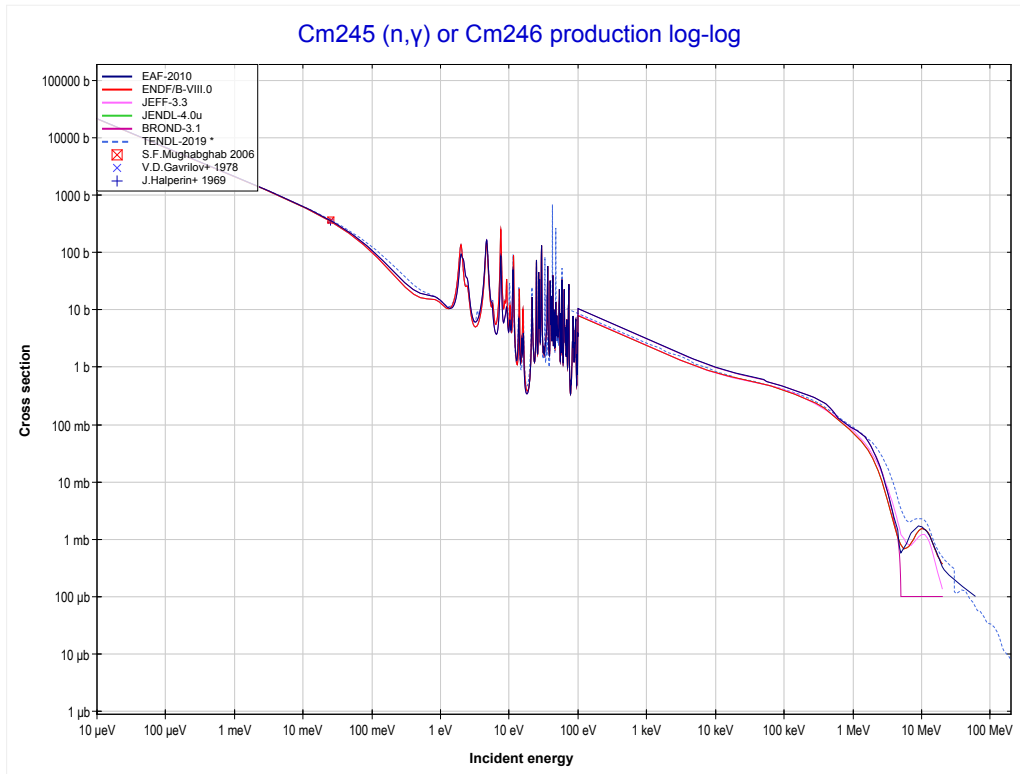
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2411.35 b | 2411.35 b | 2270.9 b | 0.94173 | 1064.41 b | 8.06618 b | 5.94068 b |
| JEFF-3.3 | 2411.35 b | 2411.35 b | 2270.9 b | 0.94173 | 1060.28 b | 8.03275 b | 5.96025 b |
| JENDL-4.0u | 2411.35 b | 2411.35 b | 2270.9 b | 0.94173 | 1064.41 b | 8.06618 b | 5.94068 b |
| BROND-3.1 | 2511 b | 2511 b | 2378.3 b | 0.94715 | 1037.83 b | 7.87675 b | 5.75631 b |
| TENDL-2019 | 2396.36 b | 2396.36 b | 2292.5 b | 0.95667 | 1088.78 b | 8.17348 b | 6.10873 b |

| | | |
|------------------|-------------------------|-------------------------|
| << 96-Cm-244 | 96-Cm-245 | 96-Cm-246 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



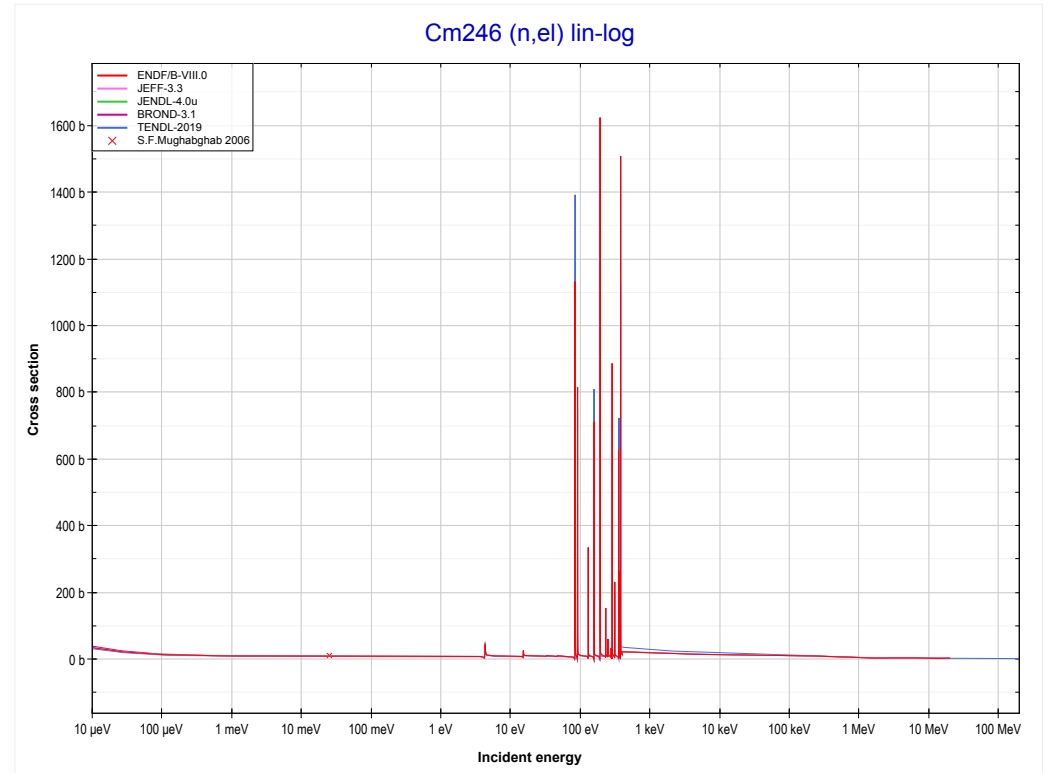
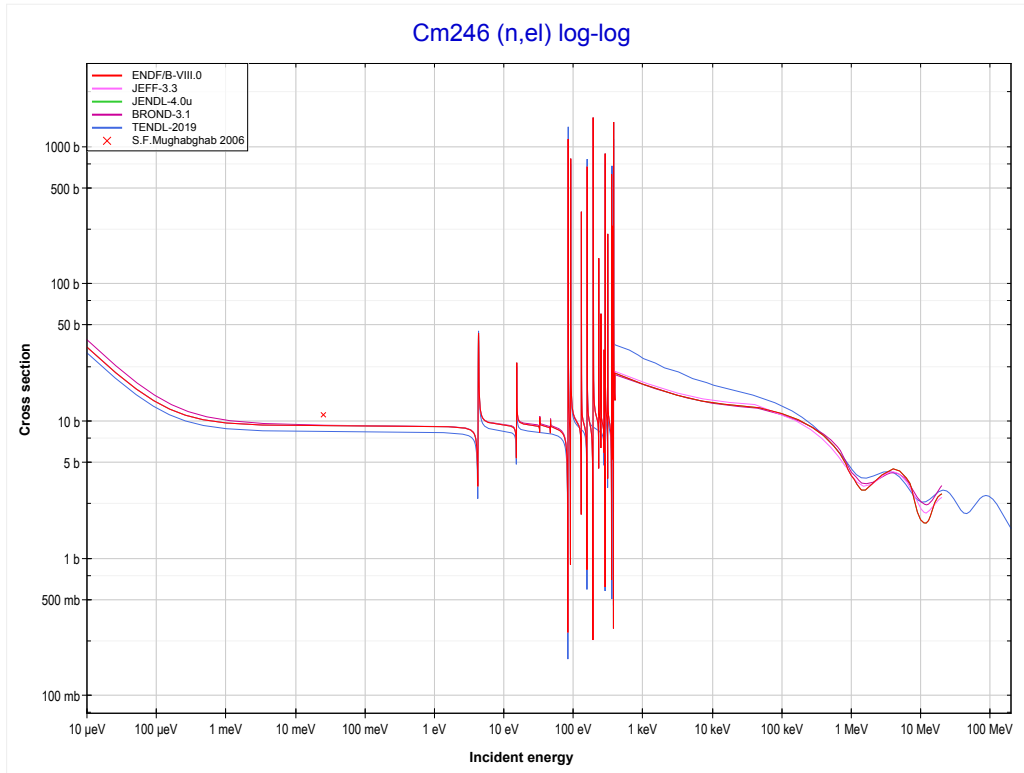
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2001.3 b | 1999.3 b | 1886.8 b | 0.94347 | 788.738 b | 1.73829 b | 2.54 b |
| ENDF/B-VIII.0 | 2054.12 b | 2054.12 b | 1935.1 b | 0.94206 | 823.294 b | 1.7572 b | 2.35795 b |
| JEFF-3.3 | 2054.12 b | 2054.12 b | 1935.1 b | 0.94206 | 818.651 b | 1.73781 b | 2.504 b |
| JENDL-4.0u | 2054.12 b | 2054.12 b | 1935.1 b | 0.94206 | 823.294 b | 1.7572 b | 2.35795 b |
| BROND-3.1 | 2141.12 b | 2141.12 b | 2029.1 b | 0.94769 | 793.794 b | 1.75043 b | 2.3315 b |
| TENDL-2019 | 2016.88 b | 2016.88 b | 1930.4 b | 0.95712 | 824.346 b | 1.8367 b | 2.52291 b |

| | | |
|---------------------|--|------------------------------|
| << 96-Cm-244 | 96-Cm-245 | 96-Cm-246 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm246 production) | 96-Cm-246 MT2 (n,elastic) >> |



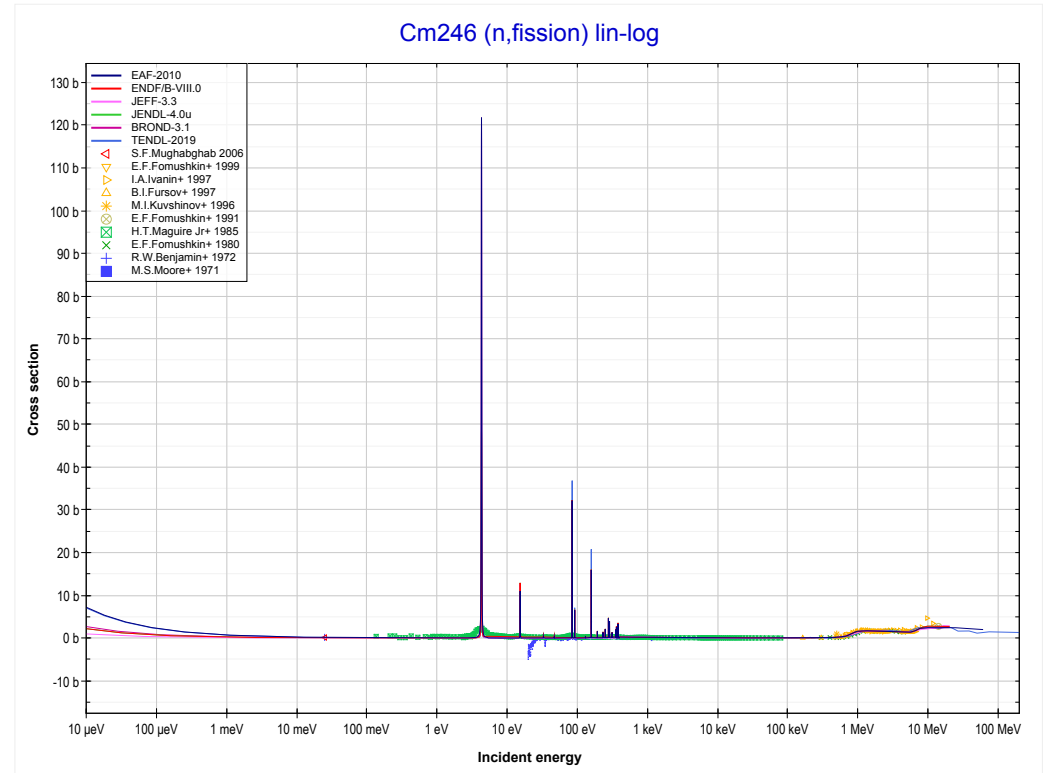
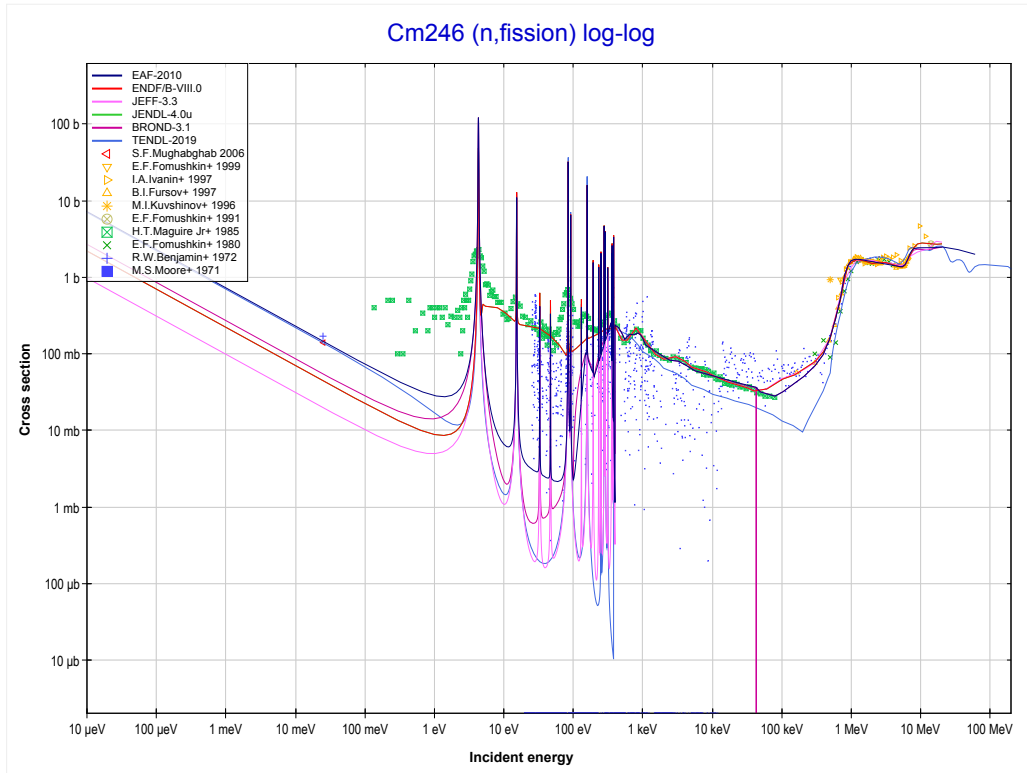
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 358.818 b | 358.457 b | 336.31 b | 0.93798 | 105.494 b | 0.0854438 b | 9.57861E-4 b |
| ENDF/B-VIII.0 | 346.983 b | 346.983 b | 324.31 b | 0.93465 | 107.446 b | 0.0703794 b | 9.58807E-4 b |
| JEFF-3.3 | 346.983 b | 346.983 b | 324.31 b | 0.93465 | 107.68 b | 0.0737139 b | 6.71408E-4 b |
| JENDL-4.0u | 346.983 b | 346.983 b | 324.31 b | 0.93465 | 107.446 b | 0.0703794 b | 9.58807E-4 b |
| BROND-3.1 | 358.888 b | 358.888 b | 336.87 b | 0.93864 | 105.384 b | 0.0855351 b | 1E-4 b |
| TENDL-2019 | 369.738 b | 369.738 b | 351.34 b | 0.95024 | 118.361 b | 0.0859474 b | 0.00117424 b |

| | | |
|-----------------------------------|------------------------|---------------------|
| << 96-Cm-244 | 96-Cm-246 | 96-Cm-248 >> |
| << 96-Cm-245 MT102 (n, γ) | MT2 (n,elastic) | MT18 (n,fission) >> |



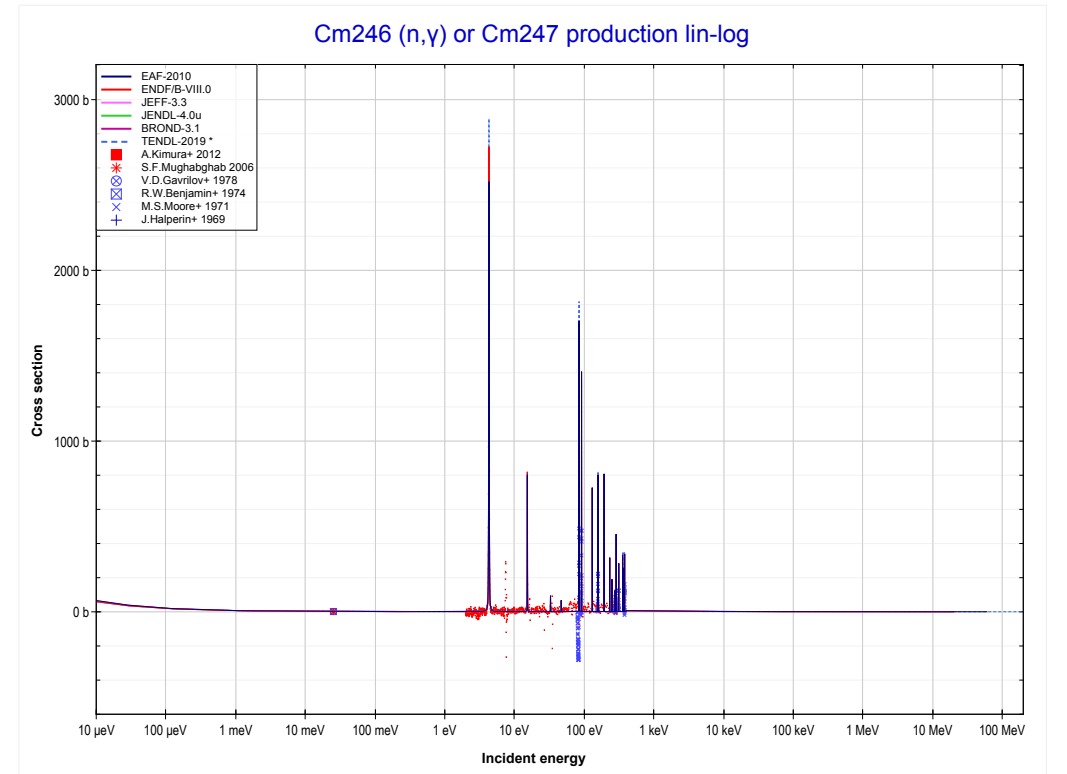
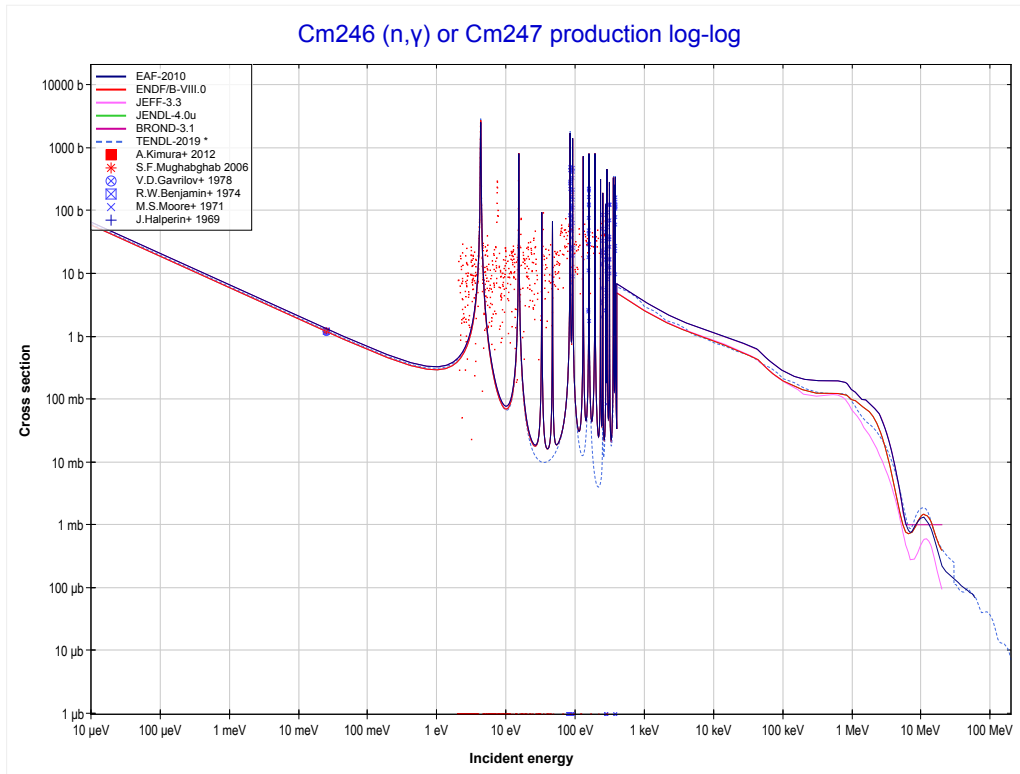
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 9.22127 b | 9.22127 b | 10.404 b | 1.12823 | 172.892 b | 4.77013 b | 2.06585 b |
| JEFF-3.3 | 9.22127 b | 9.22127 b | 10.404 b | 1.12823 | 175.691 b | 4.65684 b | 2.28278 b |
| JENDL-4.0u | 9.22127 b | 9.22127 b | 10.404 b | 1.12823 | 172.892 b | 4.77013 b | 2.06585 b |
| BROND-3.1 | 9.31738 b | 9.31738 b | 10.501 b | 1.12699 | 172.495 b | 4.87385 b | 2.56615 b |
| TENDL-2019 | 8.37553 b | 8.37553 b | 9.4489 b | 1.12815 | 195.823 b | 5.07419 b | 2.72745 b |

| | | |
|--------------------|-------------------------|-------------------------|
| << 96-Cm-245 | 96-Cm-246 | 96-Cm-247 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



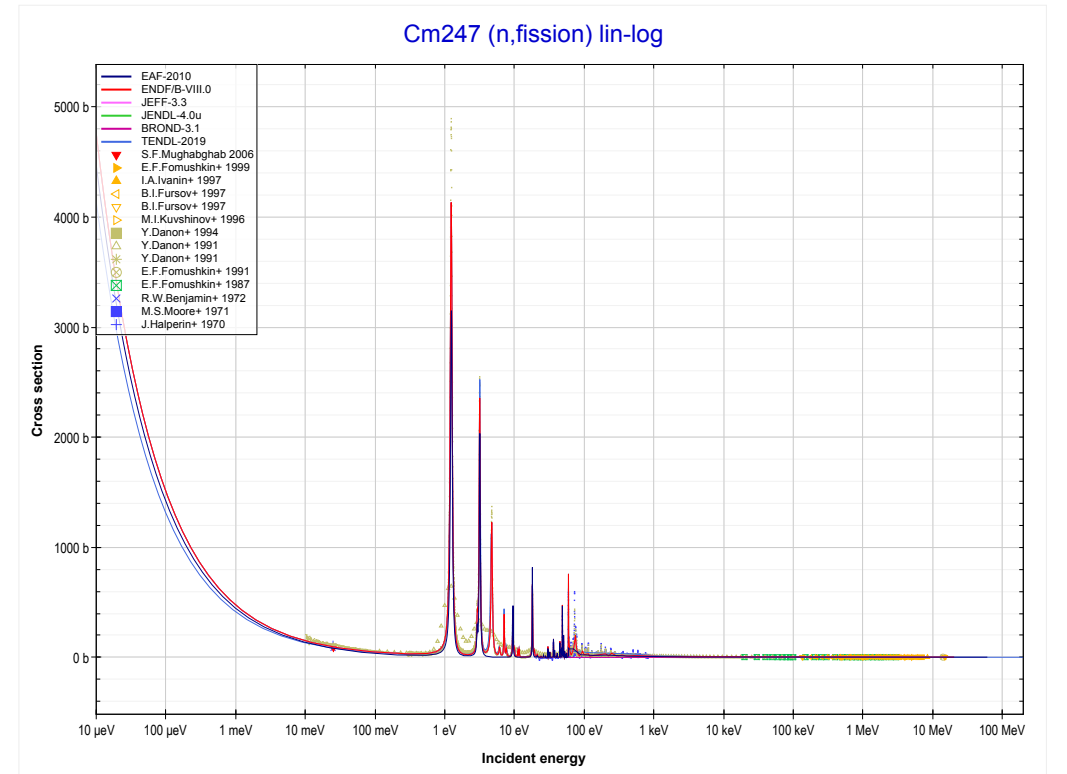
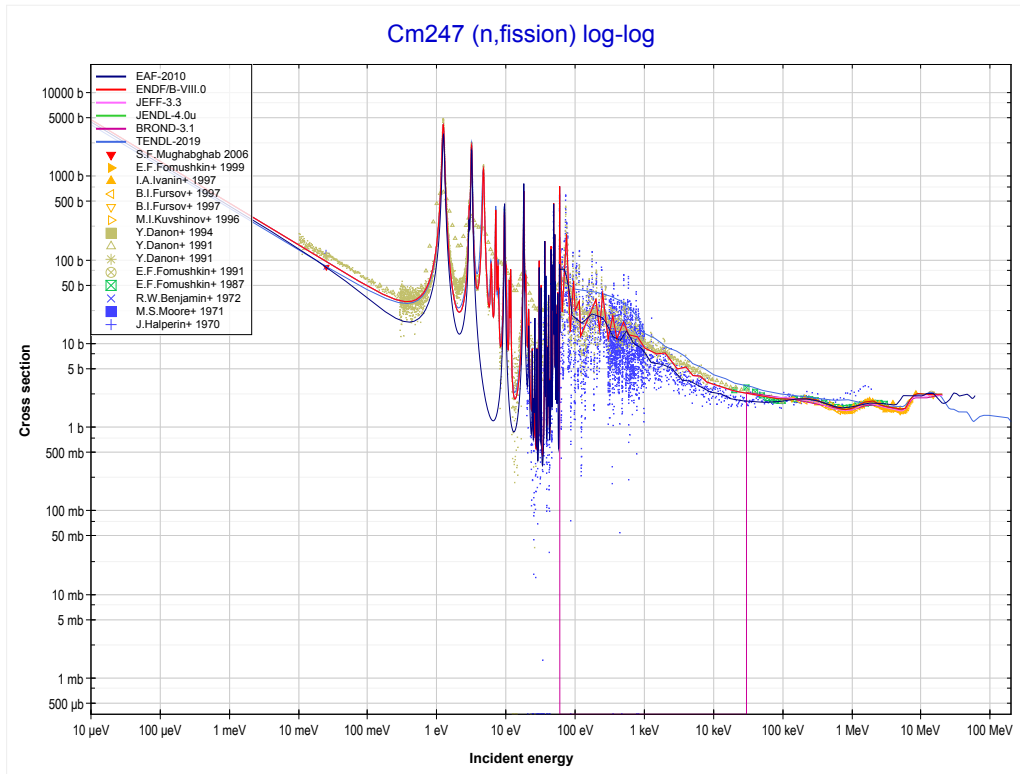
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.14419 b | 0.144087 b | 0.14441 b | 1.00228 | 4.1714 b | 1.24953 b | 2.42339 b |
| ENDF/B-VIII.0 | 0.0440074 b | 0.0440074 b | 0.044132 b | 1.00282 | 3.08884 b | 1.2368 b | 2.73 b |
| JEFF-3.3 | 0.0196514 b | 0.0196514 b | 0.019765 b | 1.00576 | 2.09121 b | 1.23347 b | 2.488 b |
| JENDL-4.0u | 0.0440074 b | 0.0440074 b | 0.044132 b | 1.00282 | 3.08884 b | 1.2368 b | 2.73 b |
| BROND-3.1 | 0.0541984 b | 0.0541984 b | 0.054537 b | 1.00625 | 4.1663 b | 1.26021 b | 2.32 b |
| TENDL-2019 | 0.138821 b | 0.138821 b | 0.13821 b | 0.99558 | 1.67075 b | 1.27138 b | 2.24541 b |

| | | |
|---------------------|--|-------------------------------|
| << 96-Cm-245 | 96-Cm-246 | 96-Cm-247 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm247 production) | 96-Cm-247 MT18 (n,fission) >> |



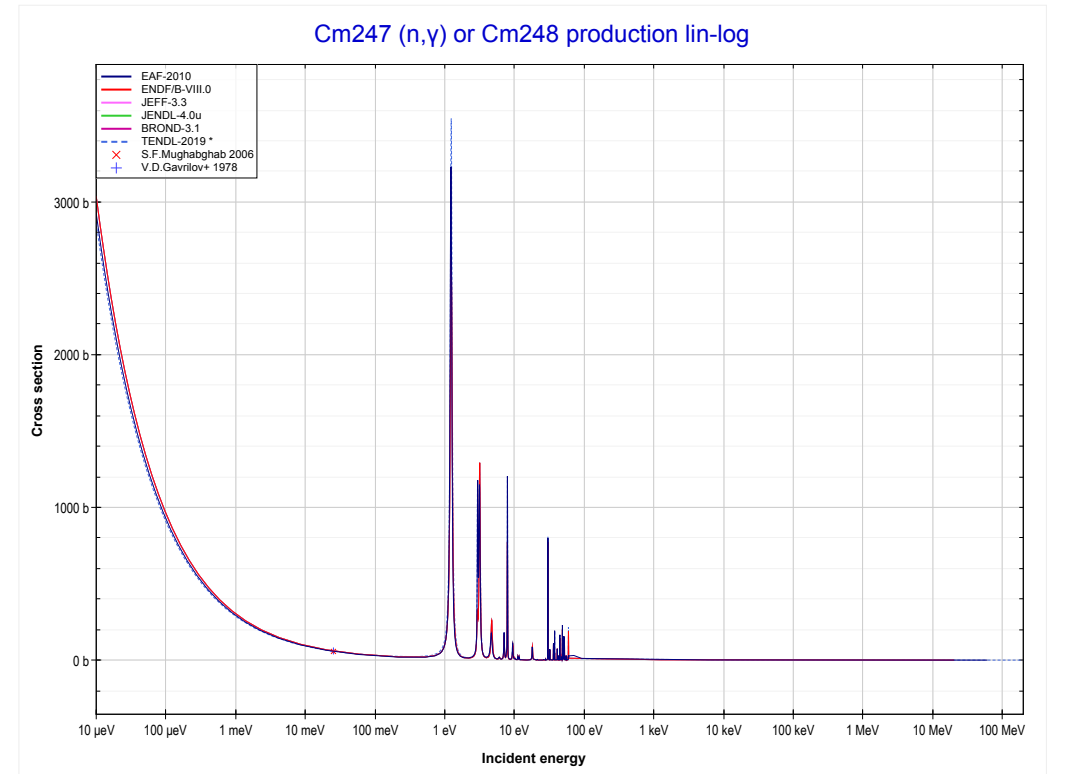
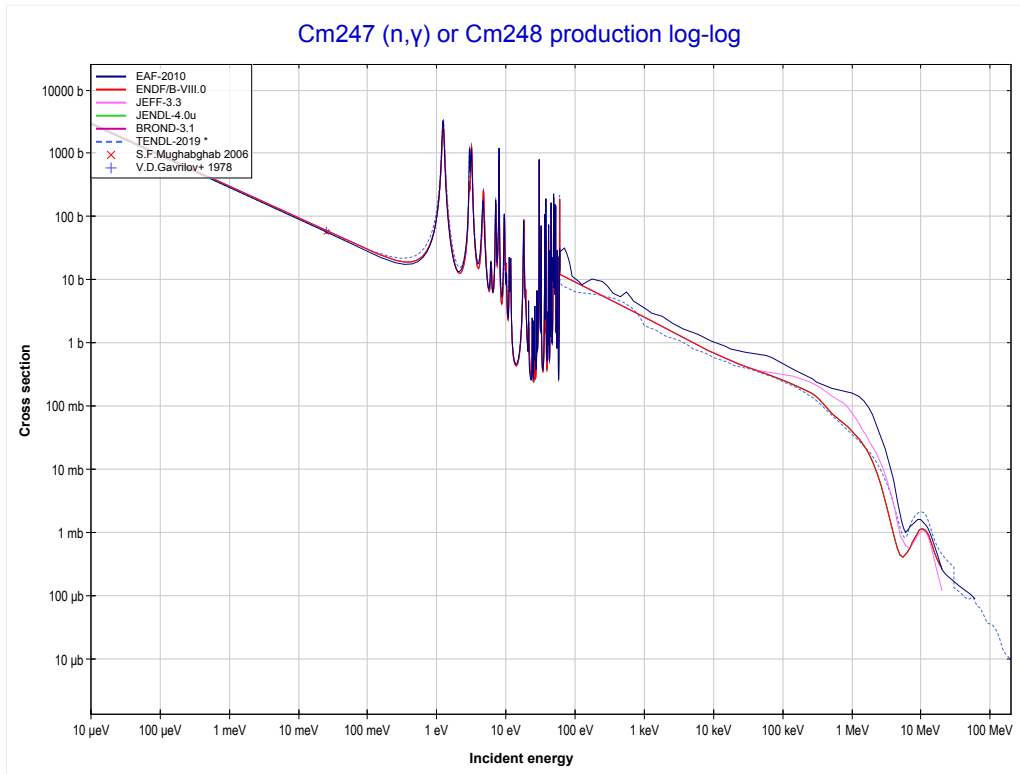
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1.31118 b | 1.31025 b | 1.317 b | 1.00517 | 113.989 b | 0.107535 b | 8.6478E-4 b |
| ENDF/B-VIII.0 | 1.17912 b | 1.17912 b | 1.1855 b | 1.00542 | 112.722 b | 0.0717149 b | 0.00112167 b |
| JEFF-3.3 | 1.17912 b | 1.17912 b | 1.1855 b | 1.00543 | 112.835 b | 0.053015 b | 4.61748E-4 b |
| JENDL-4.0u | 1.17912 b | 1.17912 b | 1.1855 b | 1.00542 | 112.722 b | 0.0717149 b | 0.00112167 b |
| BROND-3.1 | 1.31149 b | 1.31149 b | 1.3187 b | 1.00551 | 113.983 b | 0.107697 b | 0.001 b |
| TENDL-2019 | 1.22457 b | 1.22457 b | 1.231 b | 1.00525 | 110.97 b | 0.0657632 b | 0.00110978 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 96-Cm-246 | 96-Cm-247 | 96-Cm-248 >> |
| << 96-Cm-246 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



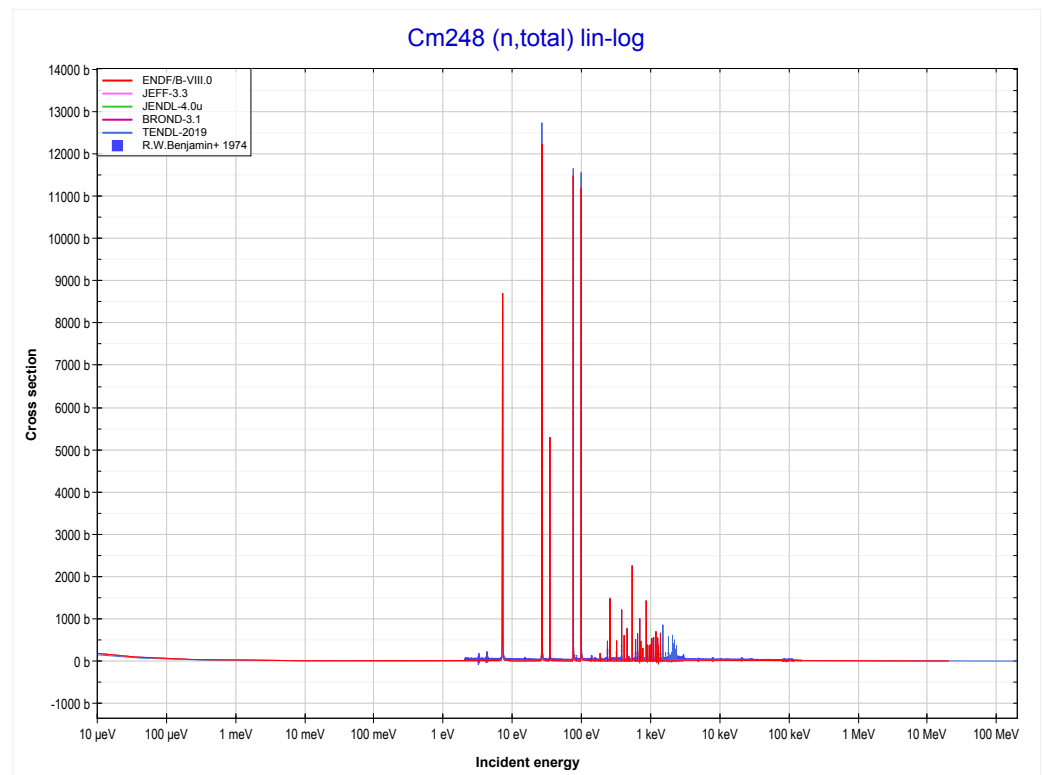
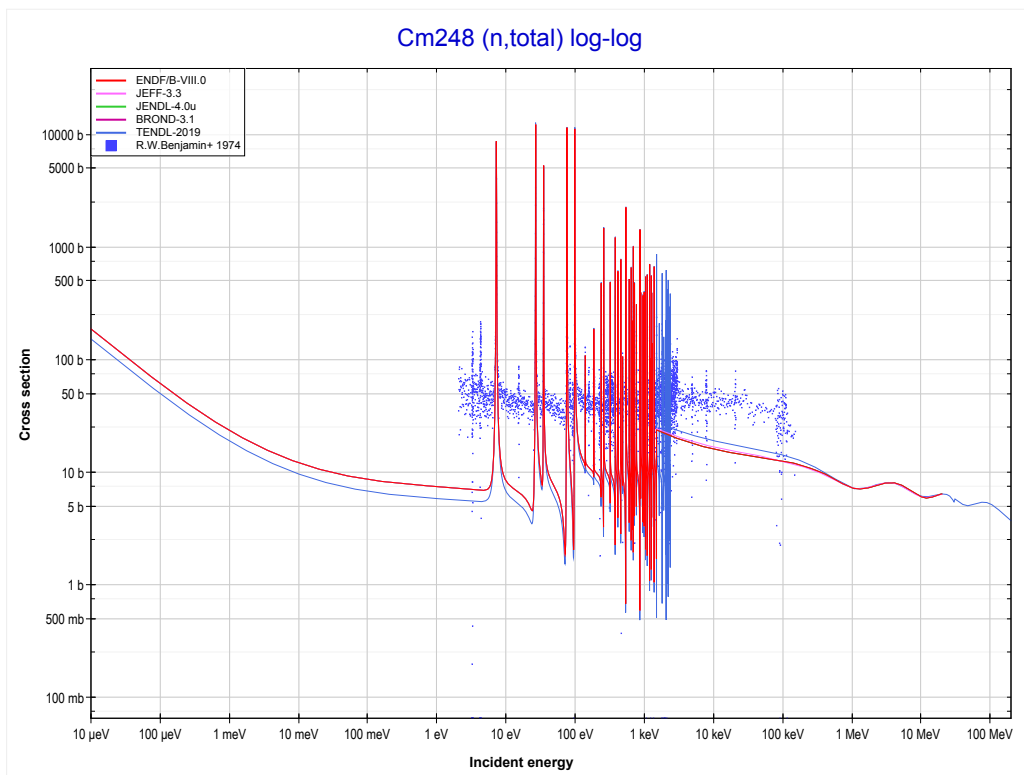
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 81.8443 b | 81.7736 b | 79.829 b | 0.97611 | 600.332 b | 1.91002 b | 2.54 b |
| ENDF/B-VIII.0 | 94.7335 b | 94.7335 b | 95.082 b | 1.00368 | 944.569 b | 1.86341 b | 2.46 b |
| JEFF-3.3 | 94.7335 b | 94.7335 b | 95.082 b | 1.00368 | 944.347 b | 1.77682 b | 2.432 b |
| JENDL-4.0u | 94.7335 b | 94.7335 b | 95.082 b | 1.00368 | 944.677 b | 1.86339 b | 2.46 b |
| BROND-3.1 | 94.7335 b | 94.7335 b | 95.082 b | 1.00368 | 854.279 b | 1.76047 b | 2.315 b |
| TENDL-2019 | 83.269 b | 83.269 b | 83.943 b | 1.00809 | 975.099 b | 1.9688 b | 2.61434 b |

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|---------------------|--|----------------------------|
| << 96-Cm-246 | 96-Cm-247 | 96-Cm-248 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm248 production) | 96-Cm-248 MT1 (n,total) >> |



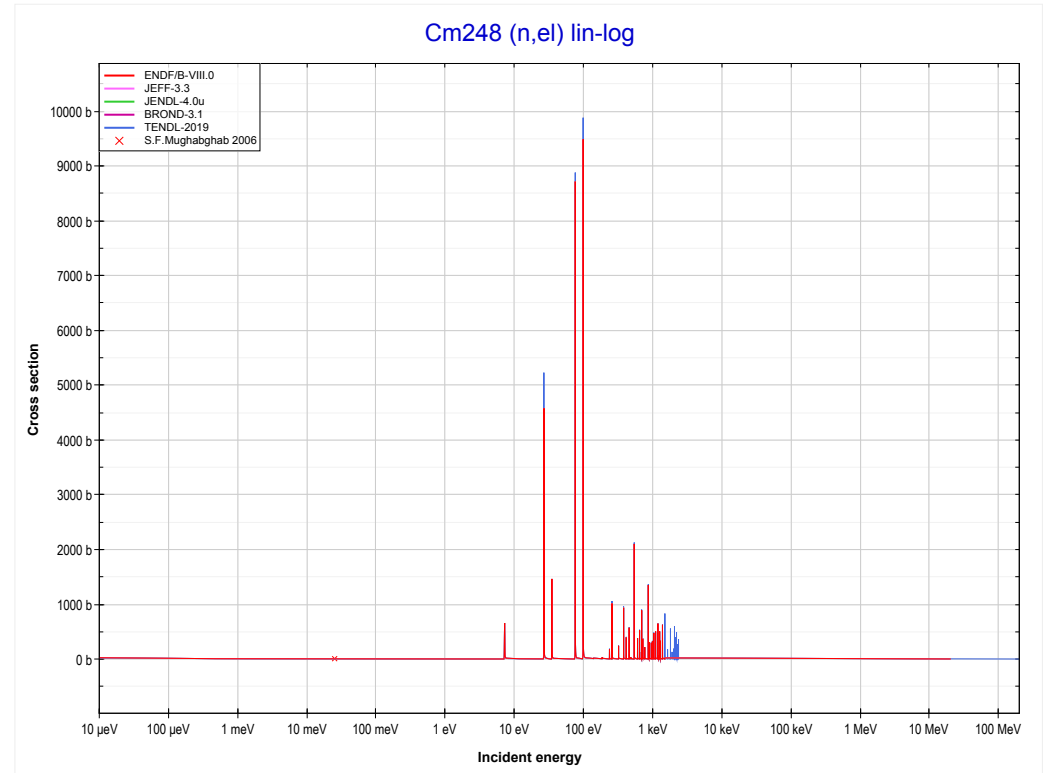
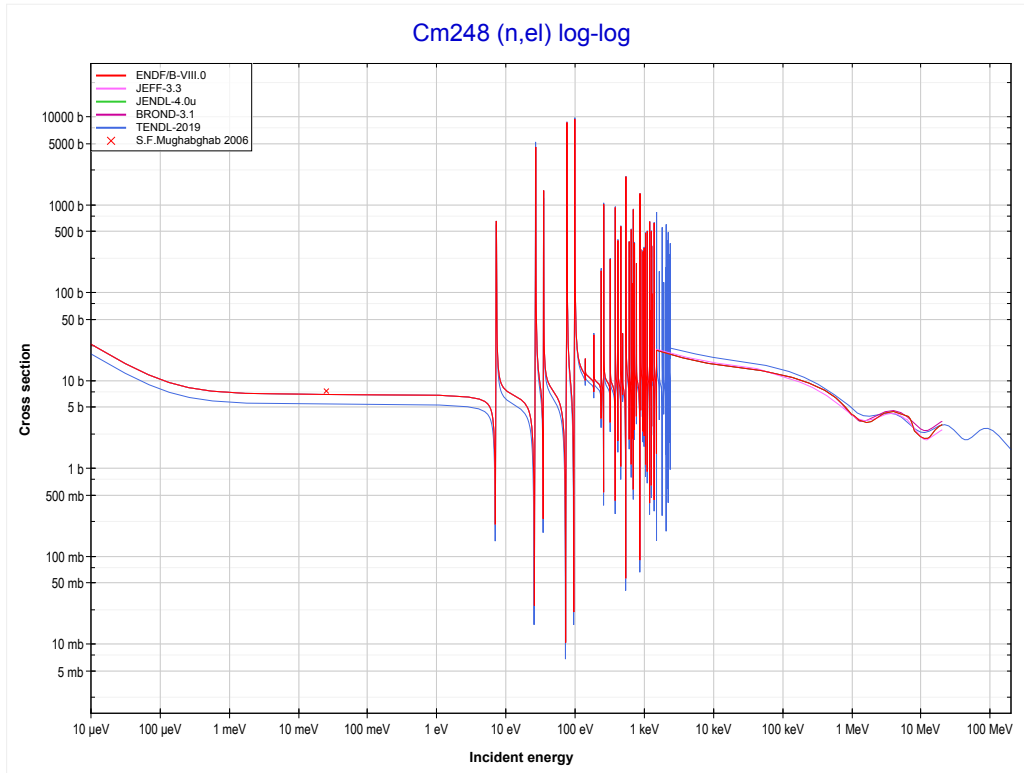
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 56.9135 b | 56.8706 b | 56.64 b | 0.99595 | 573.519 b | 0.117026 b | 8.85285E-4 b |
| ENDF/B-VIII.0 | 59.924 b | 59.924 b | 59.952 b | 1.00046 | 502.503 b | 0.0415197 b | 6.97992E-4 b |
| JEFF-3.3 | 59.924 b | 59.924 b | 59.952 b | 1.00046 | 502.673 b | 0.0681331 b | 5.92064E-4 b |
| JENDL-4.0u | 59.924 b | 59.924 b | 59.952 b | 1.00046 | 502.508 b | 0.0415581 b | 6.97992E-4 b |
| BROND-3.1 | 59.924 b | 59.924 b | 59.952 b | 1.00046 | 502.505 b | 0.041521 b | 6.97992E-4 b |
| TENDL-2019 | 57.5169 b | 57.5169 b | 58.022 b | 1.00878 | 642.919 b | 0.0396273 b | 0.001094 b |

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|-----------------------------------|----------------------|--------------------|
| << 96-Cm-245 | 96-Cm-248 | 97-Bk-249 >> |
| << 96-Cm-247 MT102 (n, γ) | MT1 (n,total) | MT2 (n,elastic) >> |



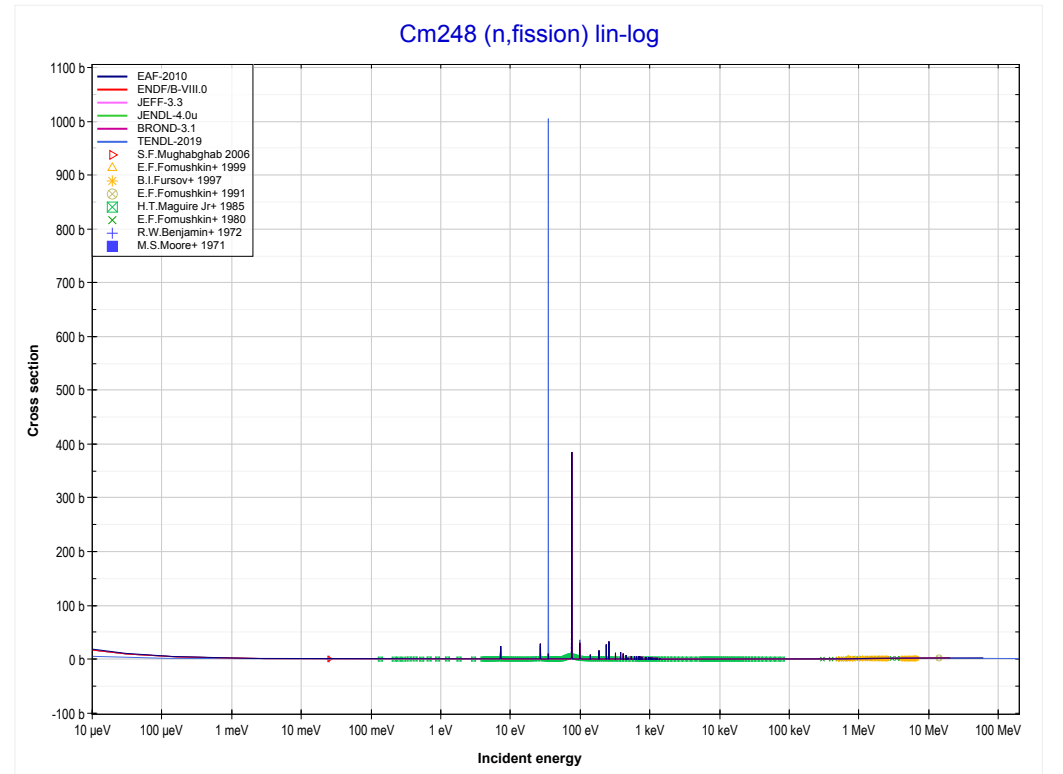
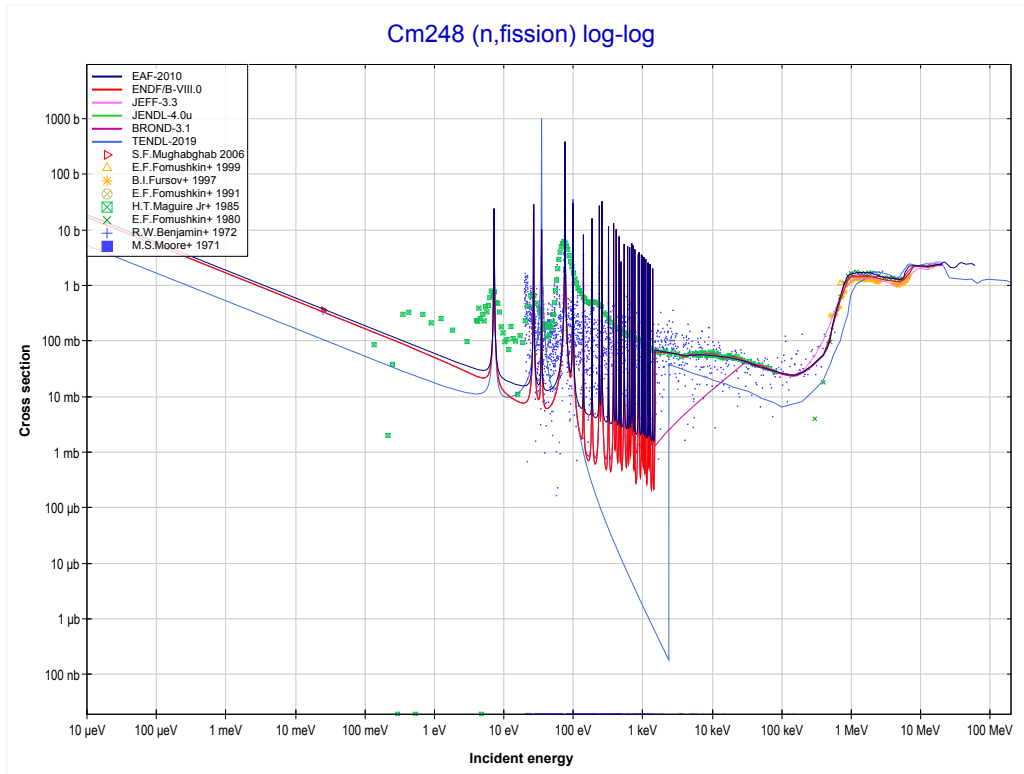
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 10.1974 b | 10.1974 b | 11.098 b | 1.08829 | 589.738 b | 8.02087 b | 5.95301 b |
| JEFF-3.3 | 10.1974 b | 10.1974 b | 11.098 b | 1.08829 | 592.109 b | 8.00739 b | 6.01198 b |
| JENDL-4.0u | 10.1974 b | 10.1974 b | 11.098 b | 1.08829 | 589.738 b | 8.02088 b | 5.95301 b |
| BROND-3.1 | 10.1974 b | 10.1974 b | 11.098 b | 1.08829 | 589.74 b | 8.02356 b | 5.95783 b |
| TENDL-2019 | 8.05613 b | 8.05613 b | 8.7551 b | 1.08677 | 592.445 b | 8.17151 b | 6.11565 b |

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|------------------|------------------------|---------------------|
| << 96-Cm-246 | 96-Cm-248 | |
| << MT1 (n,total) | MT2 (n,elastic) | MT18 (n,fission) >> |



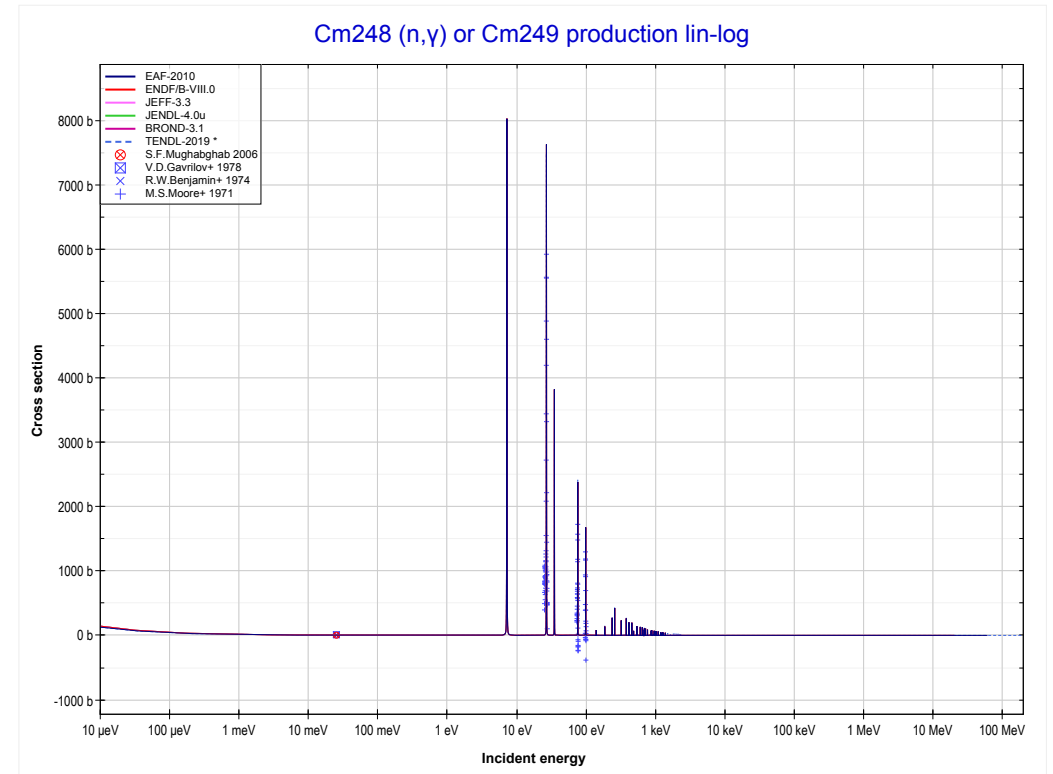
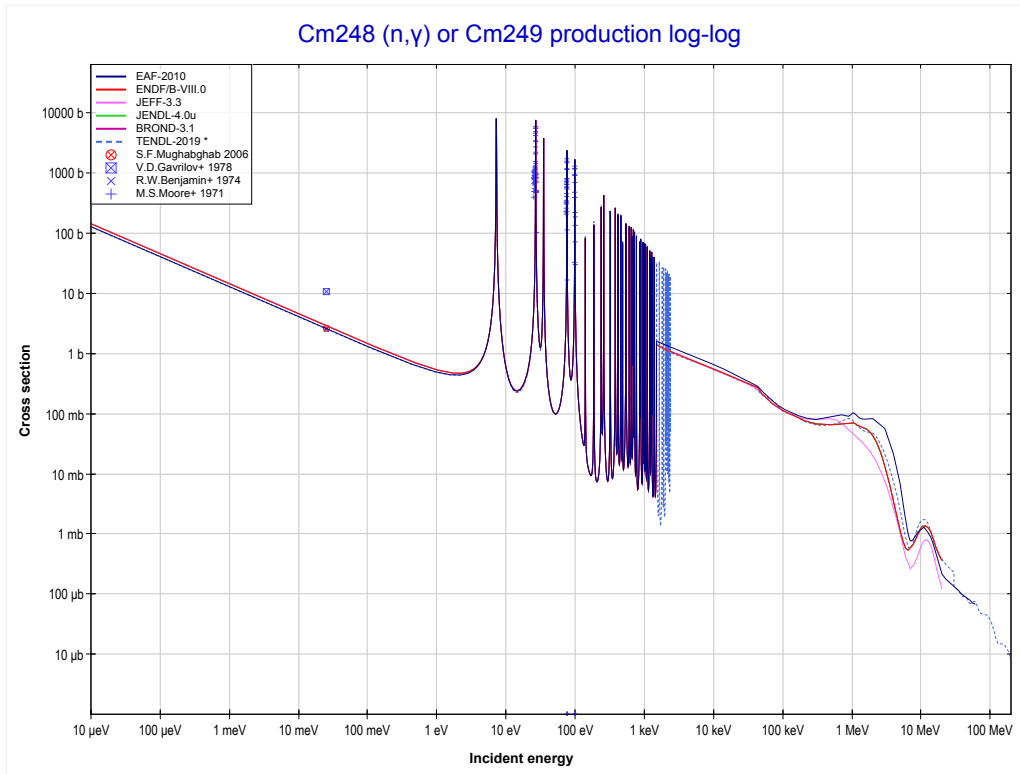
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 6.98915 b | 6.98915 b | 7.883 b | 1.12789 | 319.066 b | 4.86012 b | 2.40005 b |
| JEFF-3.3 | 6.98915 b | 6.98915 b | 7.883 b | 1.12789 | 321.22 b | 4.67906 b | 2.26625 b |
| JENDL-4.0u | 6.98915 b | 6.98915 b | 7.883 b | 1.12789 | 319.066 b | 4.86012 b | 2.40005 b |
| BROND-3.1 | 6.98915 b | 6.98915 b | 7.883 b | 1.12789 | 319.203 b | 4.9397 b | 2.84645 b |
| TENDL-2019 | 5.4174 b | 5.4174 b | 6.1107 b | 1.12797 | 325.201 b | 5.24964 b | 2.73444 b |

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|--------------------|-------------------------|-------------------------|
| << 96-Cm-247 | 96-Cm-248 | 97-Bk-244 >> |
| << MT2 (n,elastic) | MT18 (n,fission) | MT102 (n, γ) >> |



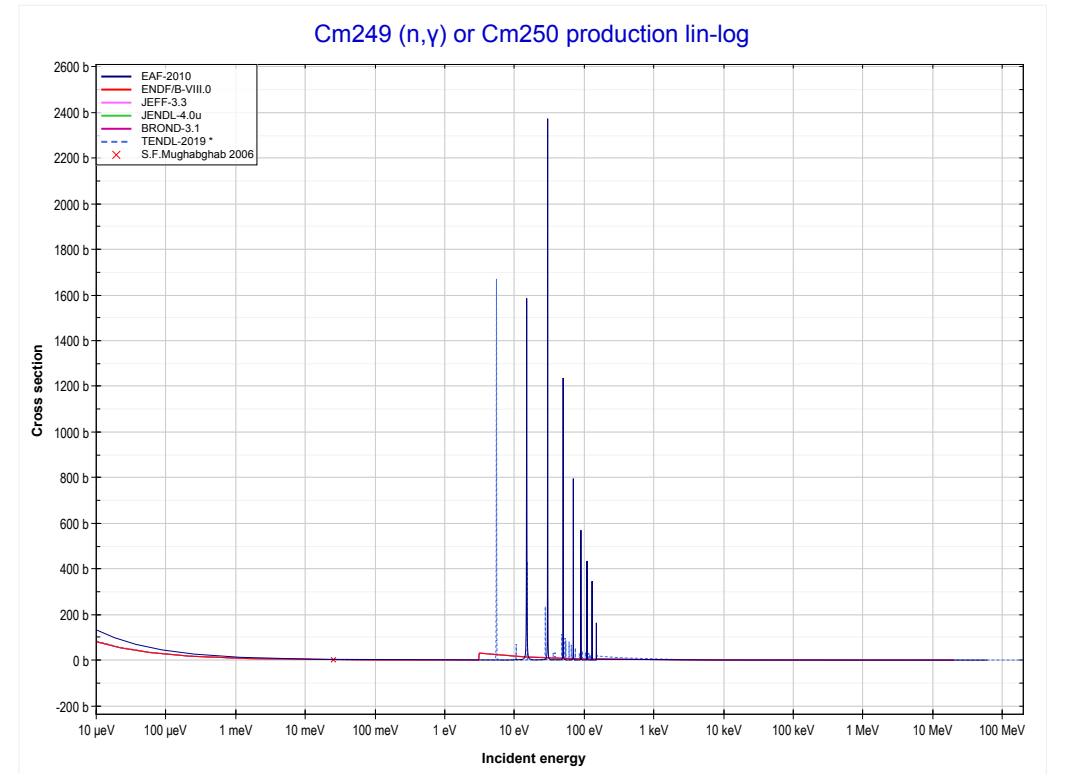
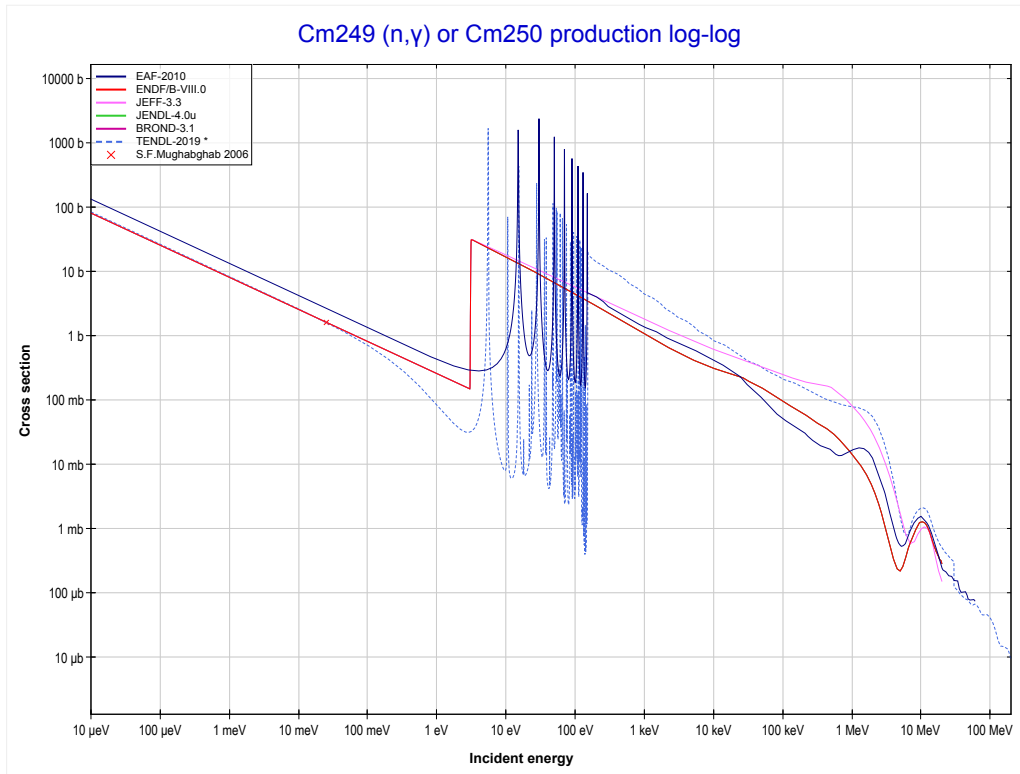
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.371765 b | 0.371496 b | 0.37155 b | 1.00017 | 3.97113 b | 1.2477 b | 2.26 b |
| ENDF/B-VIII.0 | 0.336601 b | 0.336601 b | 0.33653 b | 0.9998 | 3.92579 b | 1.07911 b | 2.26001 b |
| JEFF-3.3 | 0.336601 b | 0.336601 b | 0.33653 b | 0.9998 | 3.92615 b | 0.997056 b | 2.176 b |
| JENDL-4.0u | 0.336601 b | 0.336601 b | 0.33653 b | 0.9998 | 3.92579 b | 1.07911 b | 2.26001 b |
| BROND-3.1 | 0.336601 b | 0.336601 b | 0.33653 b | 0.9998 | 3.79464 b | 1.16546 b | 2.1696 b |
| TENDL-2019 | 0.104554 b | 0.104554 b | 0.10463 b | 1.00074 | 10.5945 b | 1.06166 b | 2.42546 b |

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|---------------------|--|-----------------------------------|
| << 96-Cm-247 | 96-Cm-248 | 96-Cm-249 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cm249 production) | 96-Cm-249 MT102 (n, γ) >> |



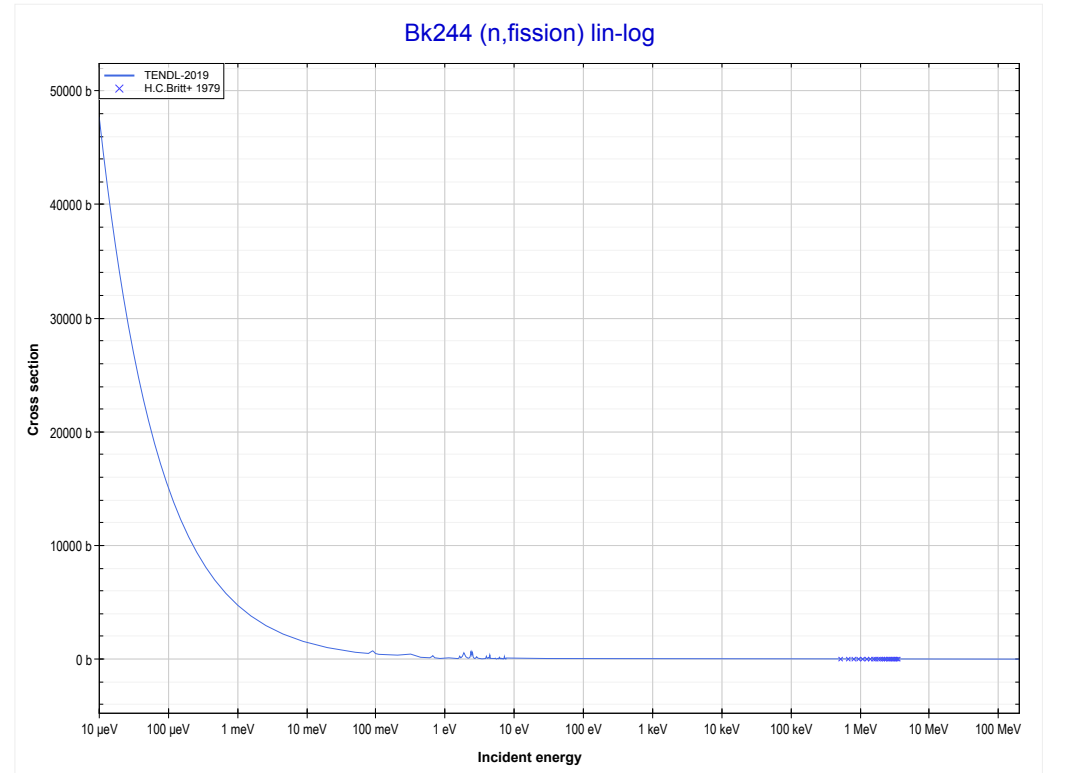
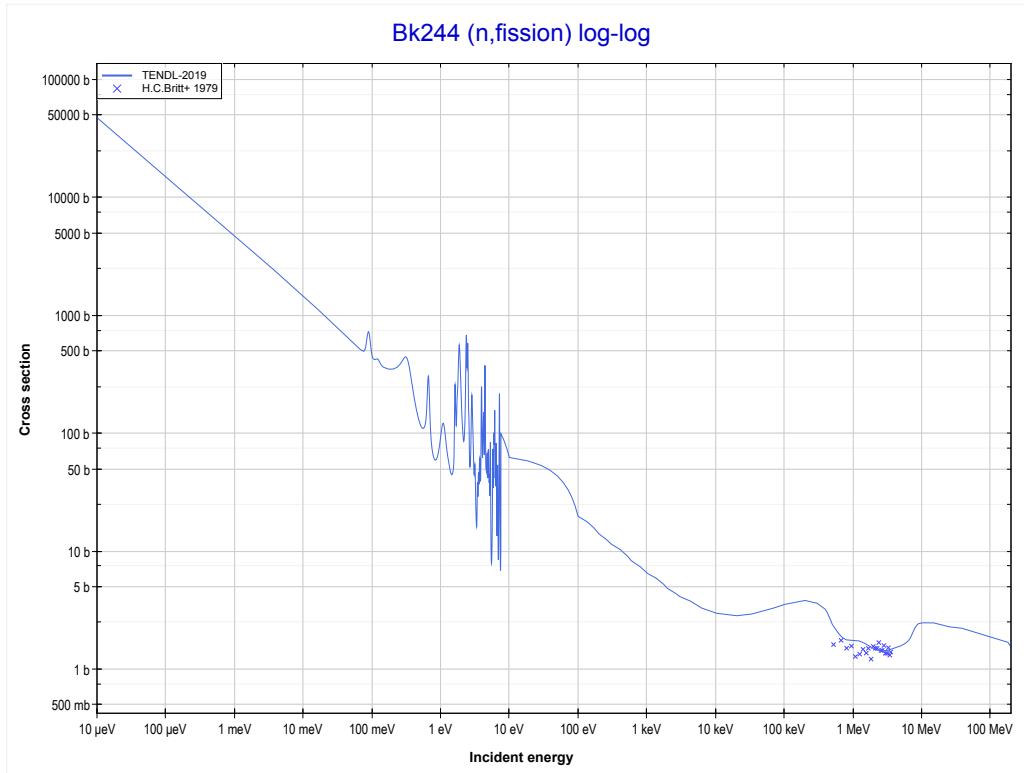
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.57035 b | 2.56851 b | 2.5742 b | 1.00224 | 266.733 b | 0.0727813 b | 8.60989E-4 b |
| ENDF/B-VIII.0 | 2.87162 b | 2.87162 b | 2.8781 b | 1.00227 | 266.416 b | 0.0470621 b | 0.0010532 b |
| JEFF-3.3 | 2.87162 b | 2.87162 b | 2.8781 b | 1.00227 | 266.404 b | 0.0376634 b | 6.23829E-4 b |
| JENDL-4.0u | 2.87162 b | 2.87162 b | 2.8781 b | 1.00227 | 266.416 b | 0.0470621 b | 0.0010532 b |
| BROND-3.1 | 2.87162 b | 2.87162 b | 2.8781 b | 1.00227 | 266.413 b | 0.0470345 b | 0.0010532 b |
| TENDL-2019 | 2.53418 b | 2.53418 b | 2.5398 b | 1.00223 | 256.364 b | 0.0498035 b | 0.00104026 b |

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|-----------------------------------|--|-------------------------------|
| << 96-Cm-248 | 96-Cm-249 | 97-Bk-249 >> |
| << 96-Cm-248 MT102 (n, γ) | MT102 (n,γ) or MT5 (Cm250 production) | 97-Bk-244 MT18 (n,fission) >> |



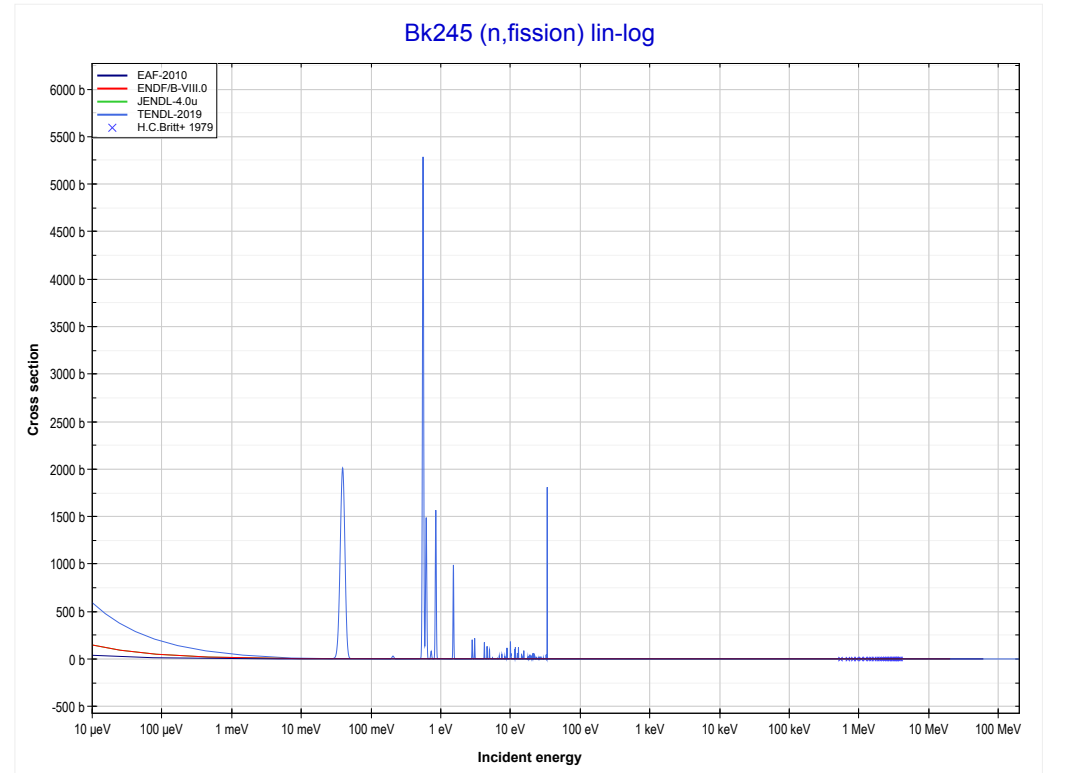
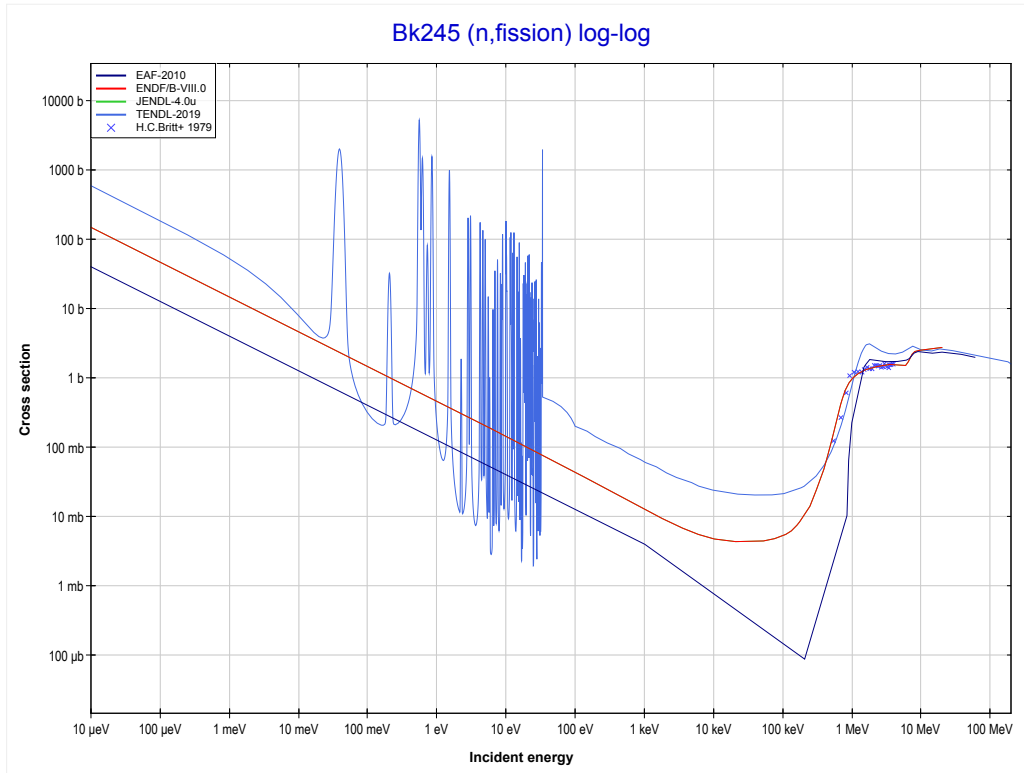
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2.63742 b | 2.63551 b | 2.6349 b | 0.9998 | 89.6246 b | 0.0137216 b | 8.76578E-4 b |
| ENDF/B-VIII.0 | 1.60044 b | 1.60044 b | 1.6015 b | 1.00069 | 56.7863 b | 0.0150884 b | 7.36674E-4 b |
| JEFF-3.3 | 1.60044 b | 1.60044 b | 1.6015 b | 1.00069 | 64.557 b | 0.0666954 b | 7.19447E-4 b |
| JENDL-4.0u | 1.60044 b | 1.60044 b | 1.6015 b | 1.00069 | 56.7863 b | 0.0150884 b | 7.36674E-4 b |
| BROND-3.1 | 1.60067 b | 1.60067 b | 1.6018 b | 1.00069 | 56.7796 b | 0.0150762 b | 7.36674E-4 b |
| TENDL-2019 | 1.59499 b | 1.59499 b | 1.5635 b | 0.98028 | 61.5829 b | 0.0640353 b | 0.00128814 b |

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|-----------------------------------|-------------------------|-------------------------------|
| << 96-Cm-248 | 97-Bk-244 | 97-Bk-245 >> |
| << 96-Cm-249 MT102 (n, γ) | MT18 (n,fission) | 97-Bk-245 MT18 (n,fission) >> |



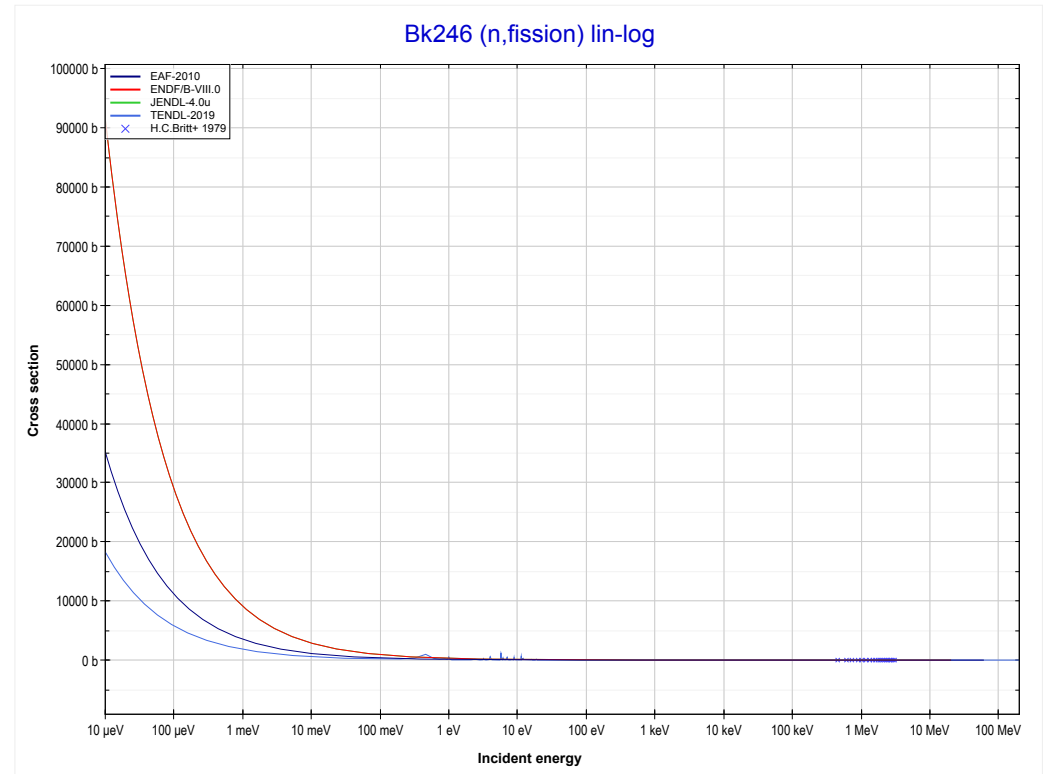
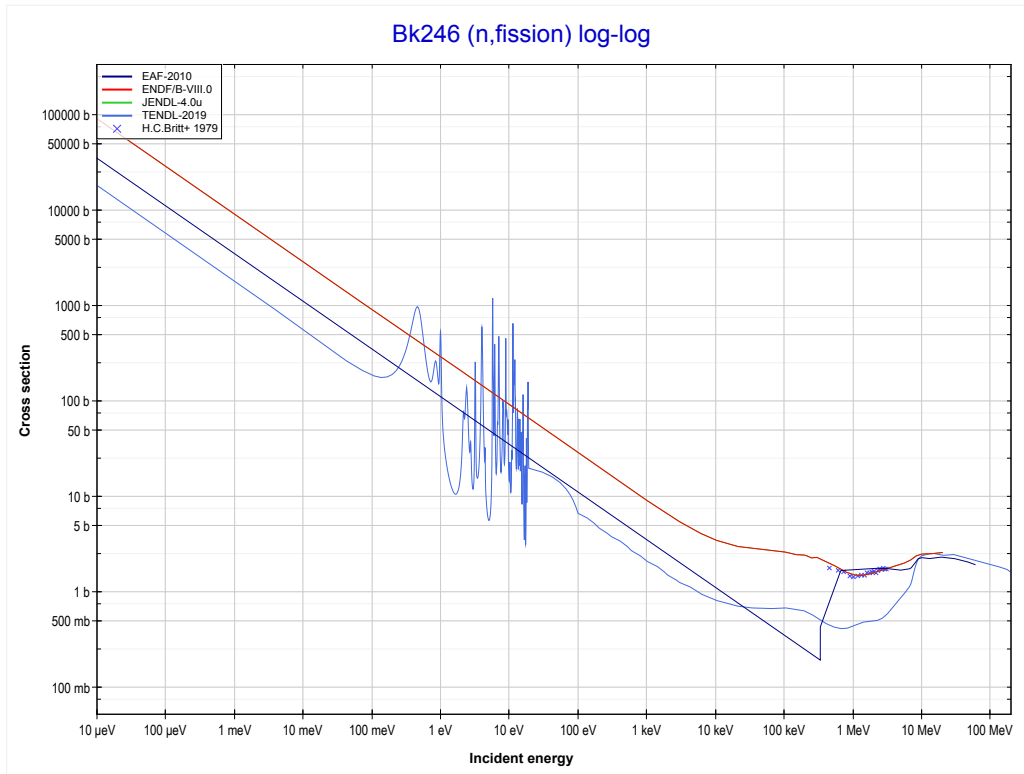
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 886.079 b | 886.079 b | 899.61 b | 1.01527 | 500.95 b | 1.86902 b | 2.46904 b |

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|-------------------------------|-------------------------|-------------------------------|
| << 97-Bk-244 | 97-Bk-245 | 97-Bk-246 >> |
| << 97-Bk-244 MT18 (n,fission) | MT18 (n,fission) | 97-Bk-246 MT18 (n,fission) >> |



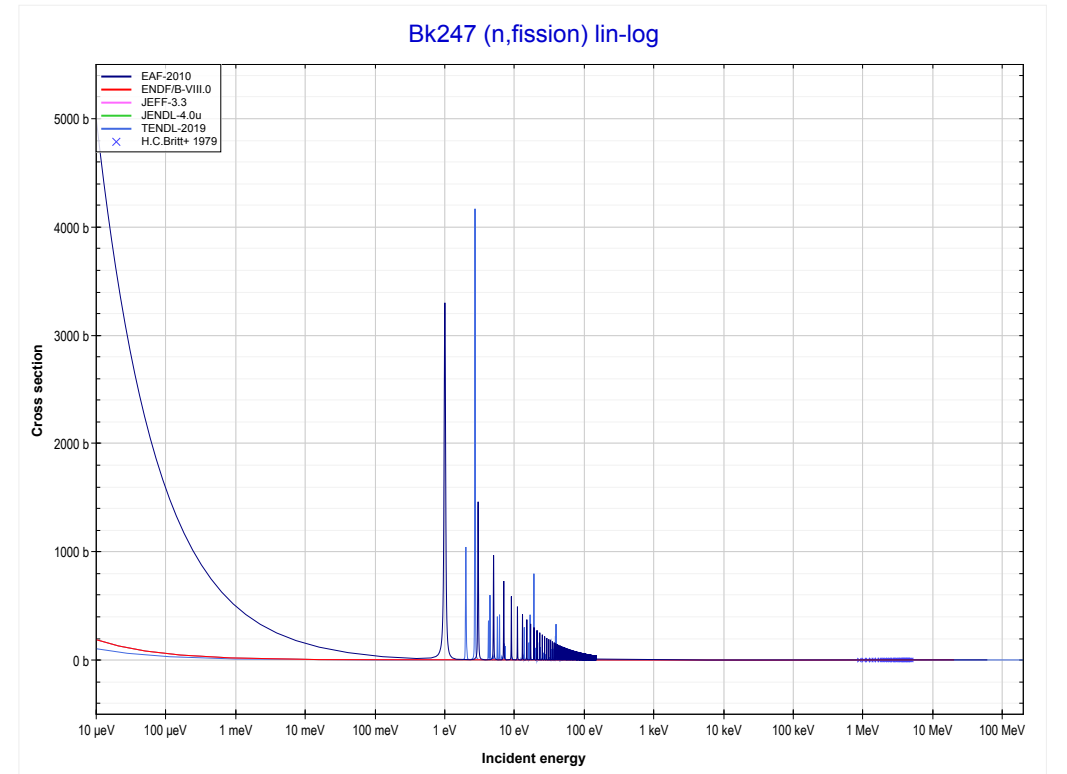
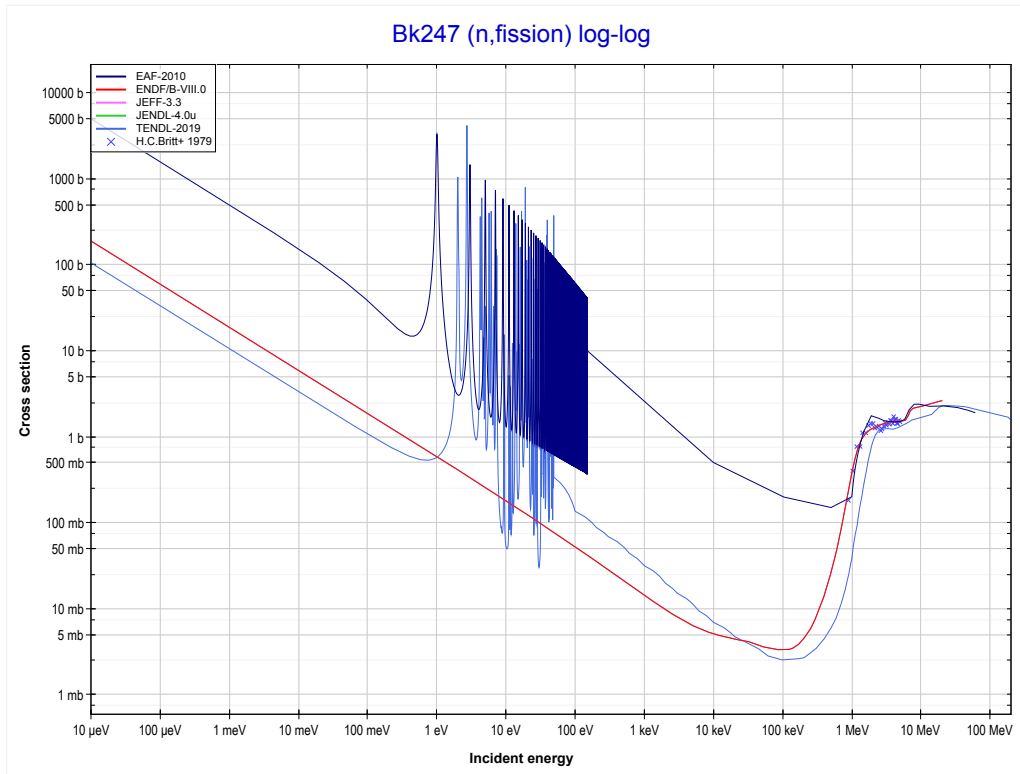
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 0.8 b | 0.7994 b | 0.79943 b | 1.00004 | 0.357314 b | 1.04065 b | 2.2734 b |
| ENDF/B-VIII.0 | 2.90101 b | 2.90101 b | 2.9062 b | 1.00178 | 1.29353 b | 1.07493 b | 2.59776 b |
| JENDL-4.0u | 2.90101 b | 2.90101 b | 2.9062 b | 1.00178 | 1.29353 b | 1.07493 b | 2.59776 b |
| TENDL-2019 | 3.94709 b | 3.94709 b | 216.79 b | 54.92511 | 468.571 b | 1.69469 b | 2.44687 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 97-Bk-245 | 97-Bk-246 | 97-Bk-247 >> |
| << 97-Bk-245 MT18 (n,fission) | MT18 (n,fission) | 97-Bk-247 MT18 (n,fission) >> |



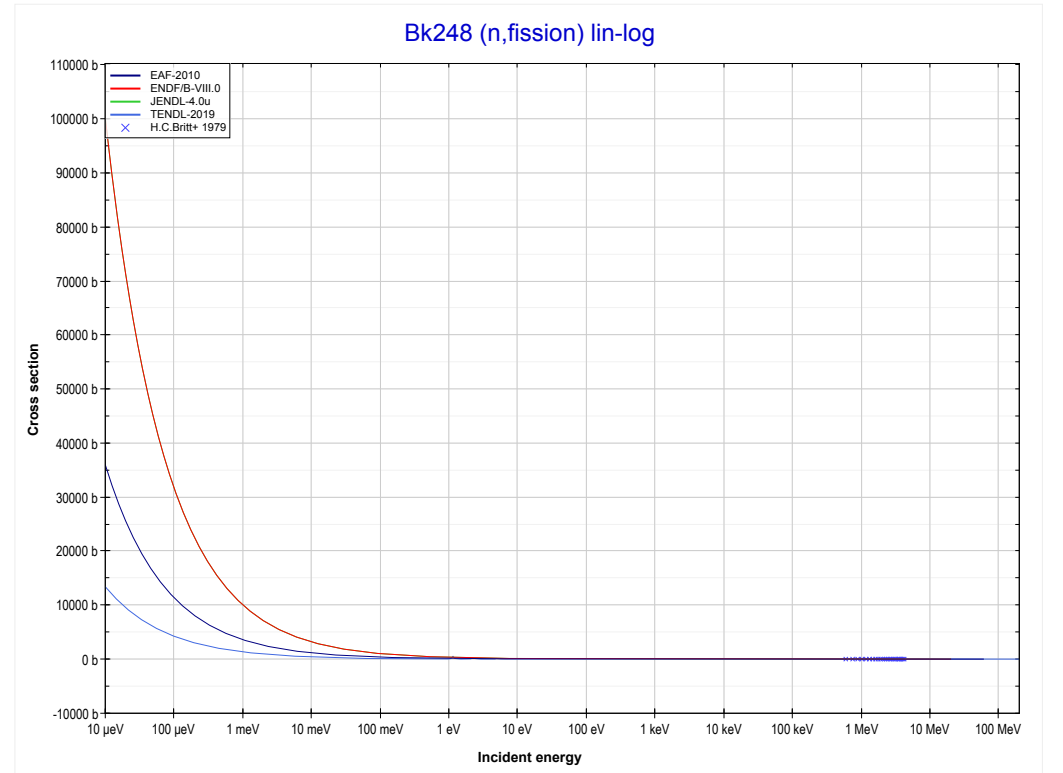
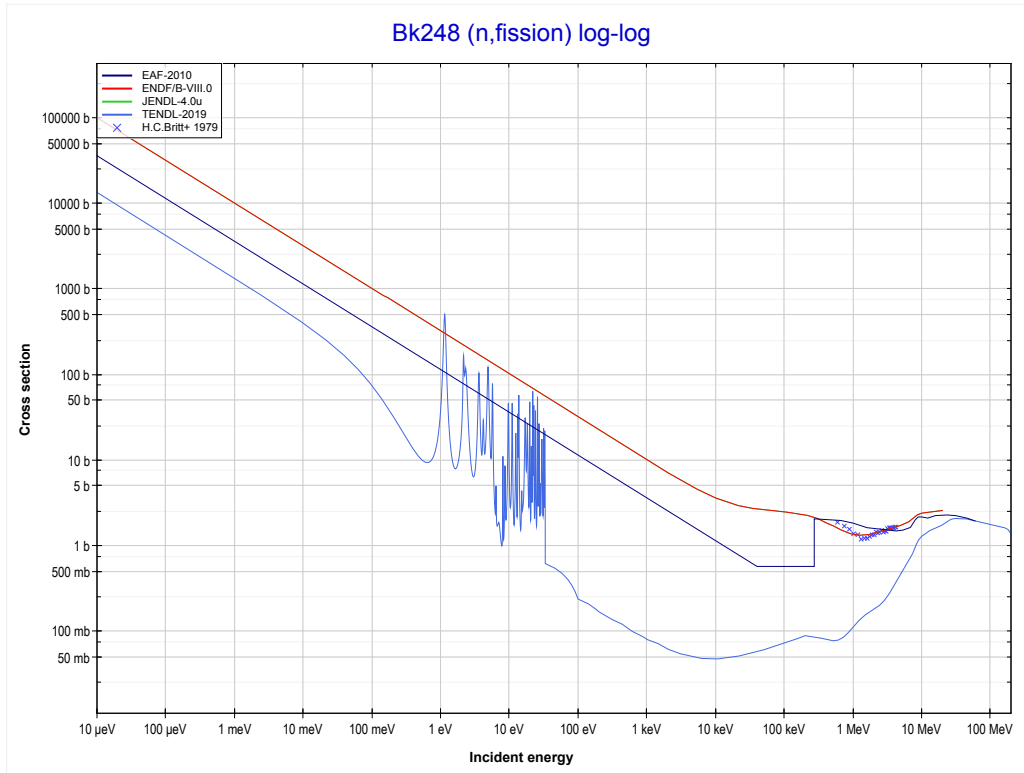
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 700 b | 699.475 b | 699.5 b | 1.00004 | 314.253 b | 1.53538 b | 2.2445 b |
| ENDF/B-VIII.0 | 1800.88 b | 1800.88 b | 1806.6 b | 1.00317 | 827.276 b | 1.75705 b | 2.5052 b |
| JENDL-4.0u | 1800.88 b | 1800.88 b | 1806.6 b | 1.00317 | 827.276 b | 1.75705 b | 2.5052 b |
| TENDL-2019 | 343.957 b | 343.957 b | 351.82 b | 1.02286 | 447.22 b | 0.559683 b | 2.52942 b |

| | | |
|-------------------------------|-------------------------|-------------------------------|
| << 97-Bk-246 | 97-Bk-247 | 97-Bk-248 >> |
| << 97-Bk-246 MT18 (n,fission) | MT18 (n,fission) | 97-Bk-248 MT18 (n,fission) >> |



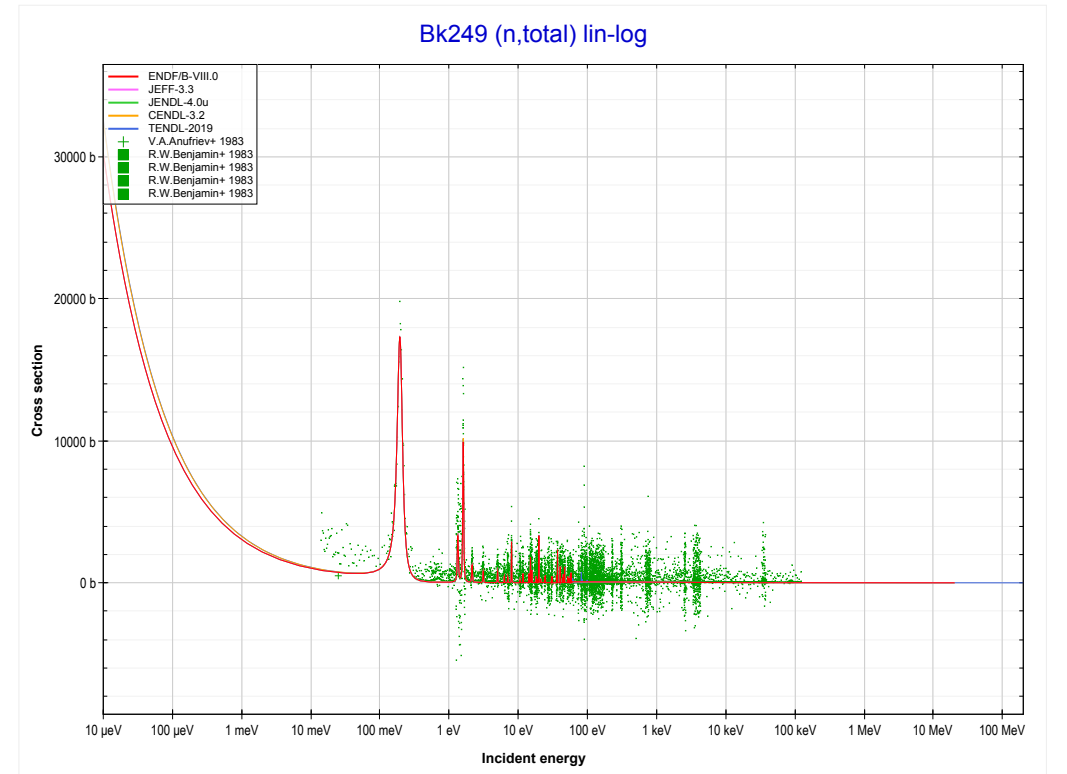
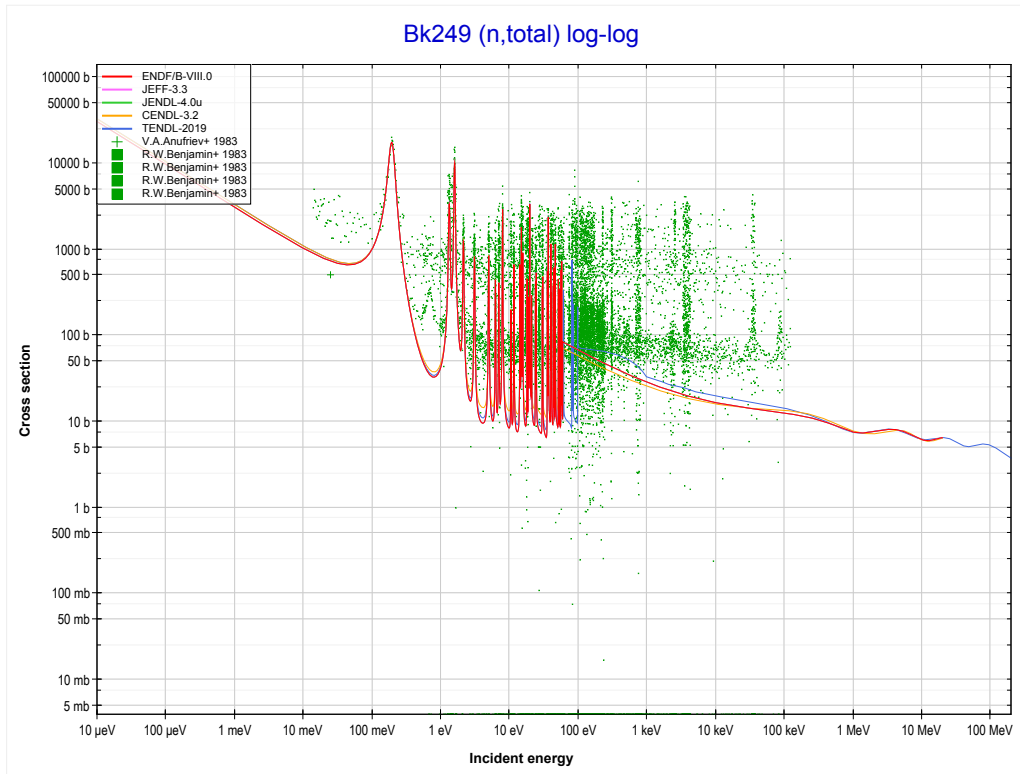
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 91.9244 b | 91.8474 b | 89.243 b | 0.97156 | 447.709 b | 0.997815 b | 2.24704 b |
| ENDF/B-VIII.0 | 3.70097 b | 3.70097 b | 3.7045 b | 1.00095 | 1.61832 b | 0.875878 b | 2.43974 b |
| JEFF-3.3 | 3.70097 b | 3.70097 b | 3.7045 b | 1.00095 | 1.61832 b | 0.875878 b | 2.43974 b |
| JENDL-4.0u | 3.70097 b | 3.70097 b | 3.7045 b | 1.00095 | 1.61832 b | 0.875878 b | 2.43974 b |
| TENDL-2019 | 2.10112 b | 2.10112 b | 2.1068 b | 1.00268 | 212.975 b | 0.581421 b | 1.79955 b |

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|-------------------------------|-------------------------|----------------------------|
| << 97-Bk-247 | 97-Bk-248 | 97-Bk-249 >> |
| << 97-Bk-247 MT18 (n,fission) | MT18 (n,fission) | 97-Bk-249 MT1 (n,total) >> |



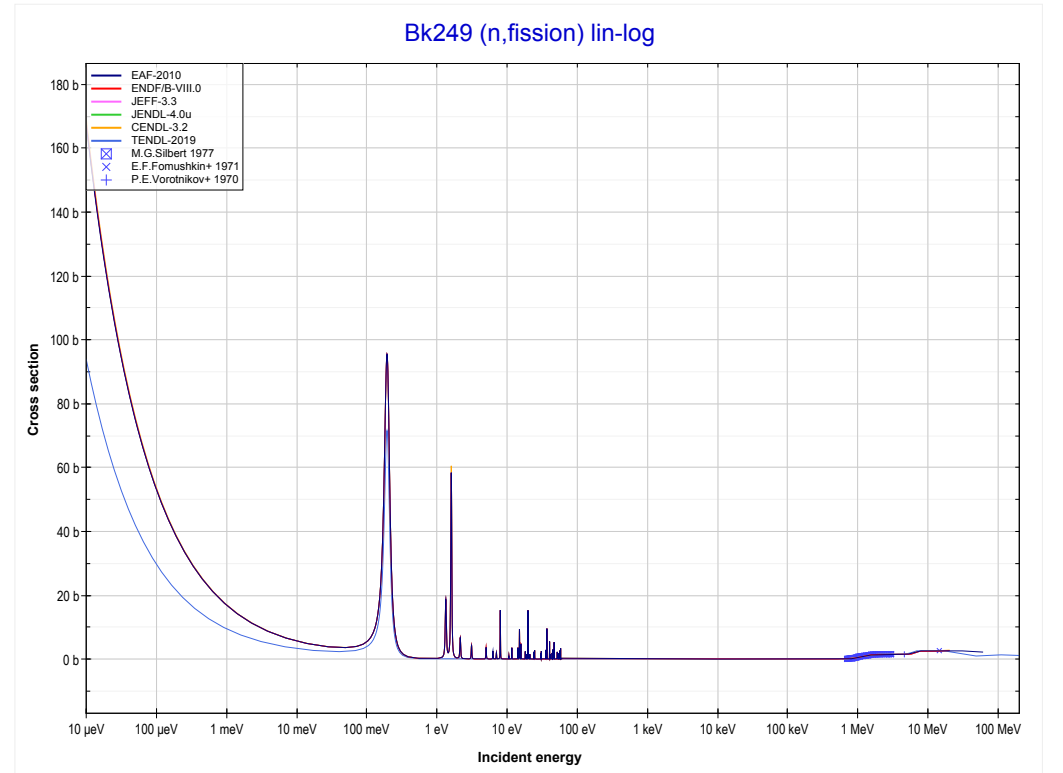
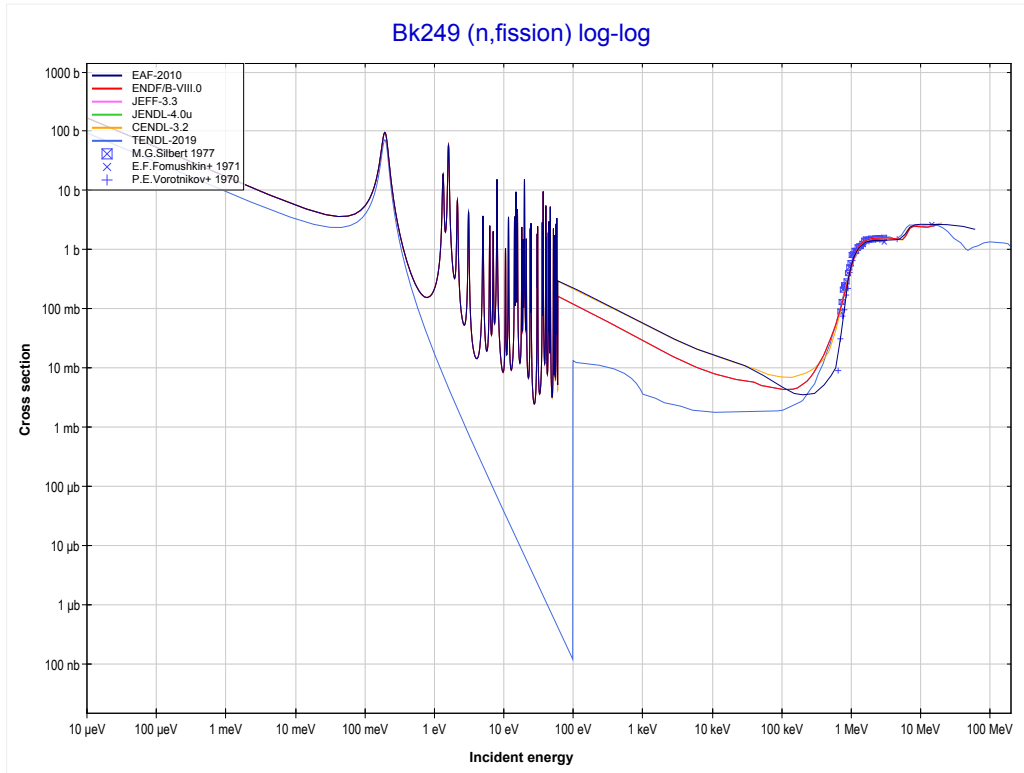
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 715.002 b | 714.466 b | 714.27 b | 0.99972 | 321.091 b | 1.62652 b | 2.1659 b |
| ENDF/B-VIII.0 | 2000.28 b | 2000.28 b | 2000.4 b | 1.00005 | 916.749 b | 1.56381 b | 2.47547 b |
| JENDL-4.0u | 2000.28 b | 2000.28 b | 2000.4 b | 1.00005 | 916.749 b | 1.56381 b | 2.47547 b |
| TENDL-2019 | 226.707 b | 226.707 b | 214.11 b | 0.94444 | 120.938 b | 0.197591 b | 1.53156 b |

| | | |
|-------------------------------|----------------------|---------------------|
| << 96-Cm-248 | 97-Bk-249 | 98-Cf-249 >> |
| << 97-Bk-248 MT18 (n,fission) | MT1 (n,total) | MT18 (n,fission) >> |



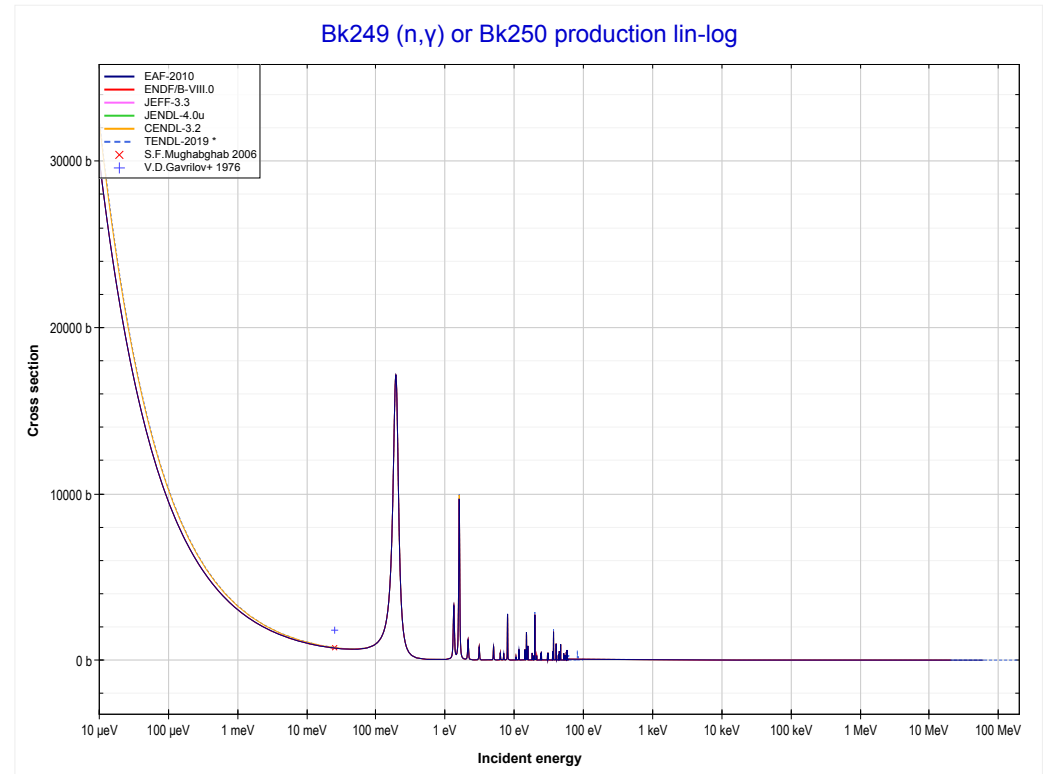
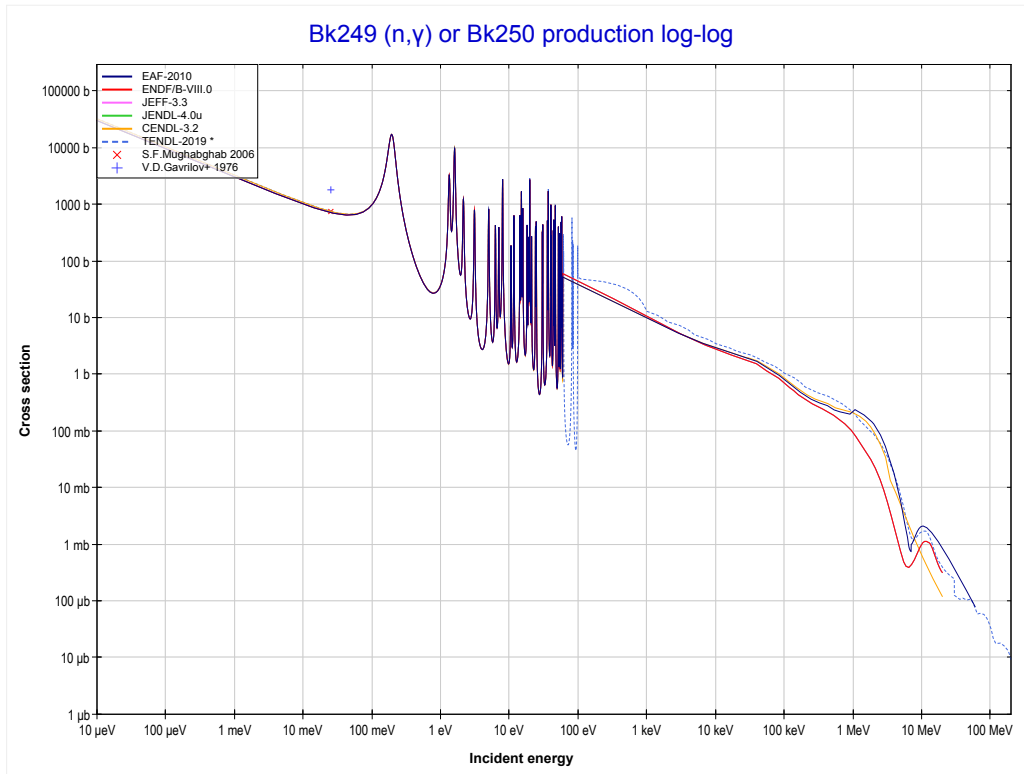
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 718.879 b | 718.879 b | 1078.8 b | 1.50066 | 1321.31 b | 8.10551 b | 5.95946 b |
| JEFF-3.3 | 718.879 b | 718.879 b | 1078.8 b | 1.50066 | 1321.31 b | 8.10551 b | 5.95946 b |
| JENDL-4.0u | 718.879 b | 718.879 b | 1078.8 b | 1.50066 | 1321.31 b | 8.10551 b | 5.95946 b |
| CENDL-3.2 | 757.162 b | 757.162 b | 1115.1 b | 1.47273 | 1323.4 b | 8.11559 b | 5.82734 b |
| TENDL-2019 | 755.033 b | 755.033 b | 1110.5 b | 1.47082 | 1362.43 b | 8.18189 b | 6.11285 b |

| | | |
|------------------|-------------------------|-------------------------|
| << 97-Bk-248 | 97-Bk-249 | 97-Bk-250 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



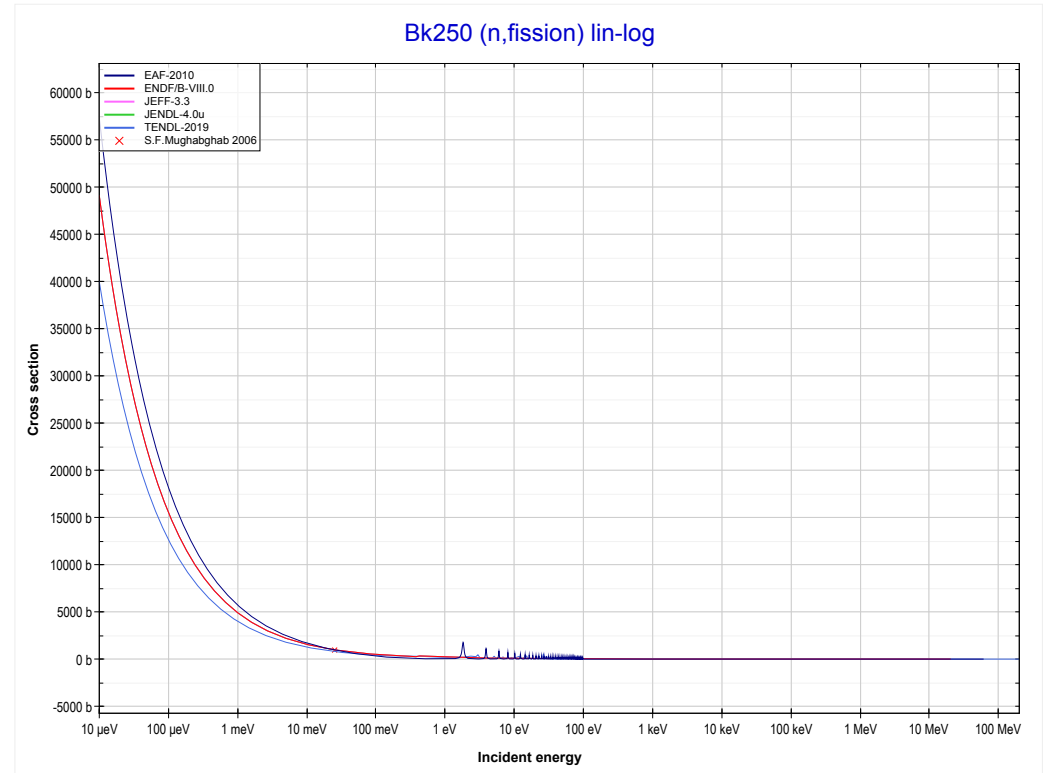
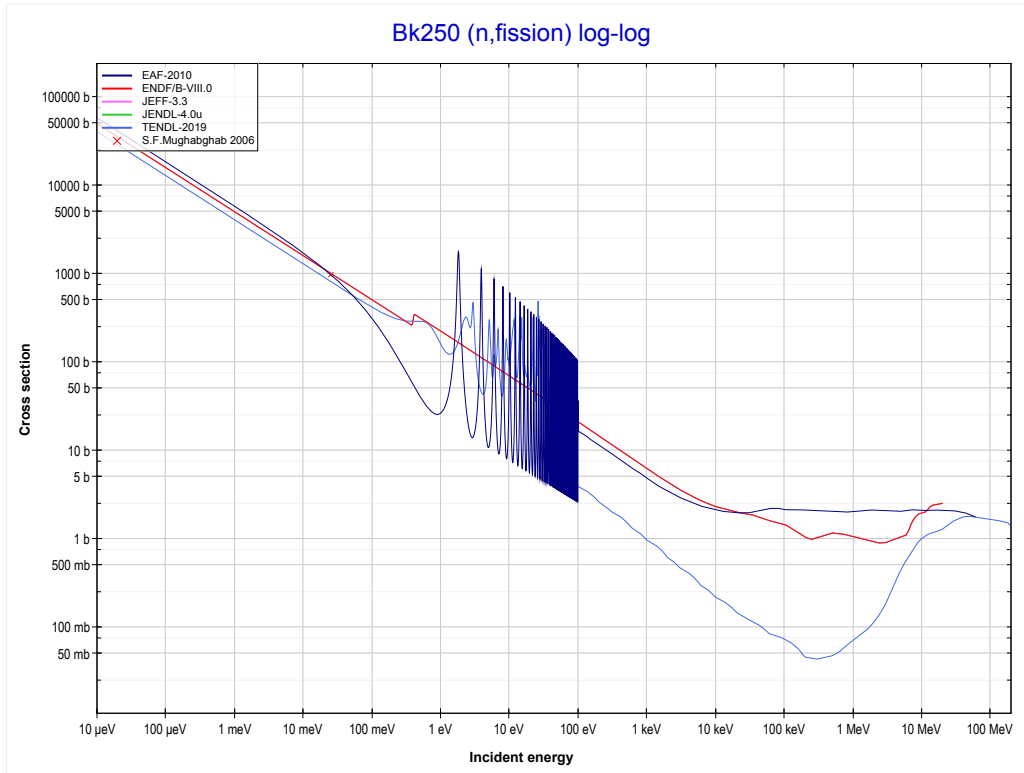
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3.97491 b | 3.97331 b | 5.9691 b | 1.50282 | 6.49602 b | 0.956491 b | 2.67 b |
| ENDF/B-VIII.0 | 3.9703 b | 3.9703 b | 5.9602 b | 1.50119 | 6.25869 b | 1.01725 b | 2.45281 b |
| JEFF-3.3 | 3.9703 b | 3.9703 b | 5.9602 b | 1.50119 | 6.25869 b | 1.01725 b | 2.45281 b |
| JENDL-4.0u | 3.9703 b | 3.9703 b | 5.9602 b | 1.50119 | 6.25869 b | 1.01725 b | 2.45281 b |
| CENDL-3.2 | 3.99223 b | 3.99223 b | 5.9754 b | 1.49675 | 6.48399 b | 0.994583 b | 2.6026 b |
| TENDL-2019 | 2.46005 b | 2.46005 b | 3.9731 b | 1.61504 | 0.083231 b | 1.03874 b | 2.53873 b |

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| << 96-Cm-249 | 97-Bk-249 | 97-Bk-250 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Bk250 production) | 97-Bk-250 MT18 (n,fission) >> |



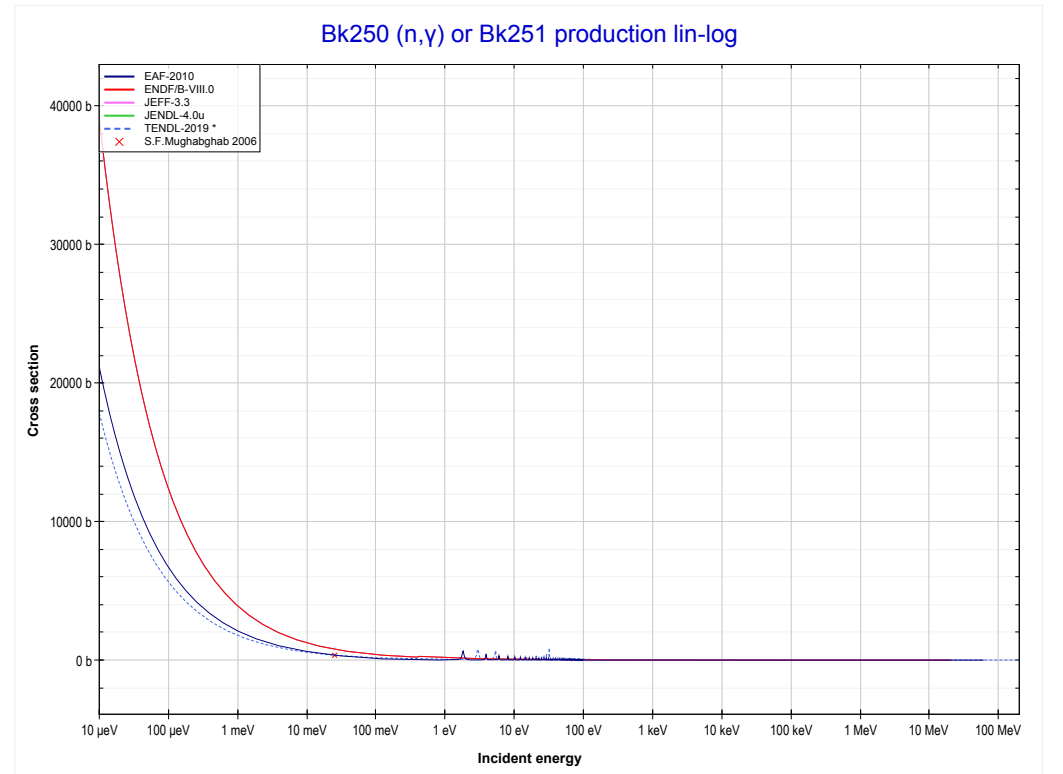
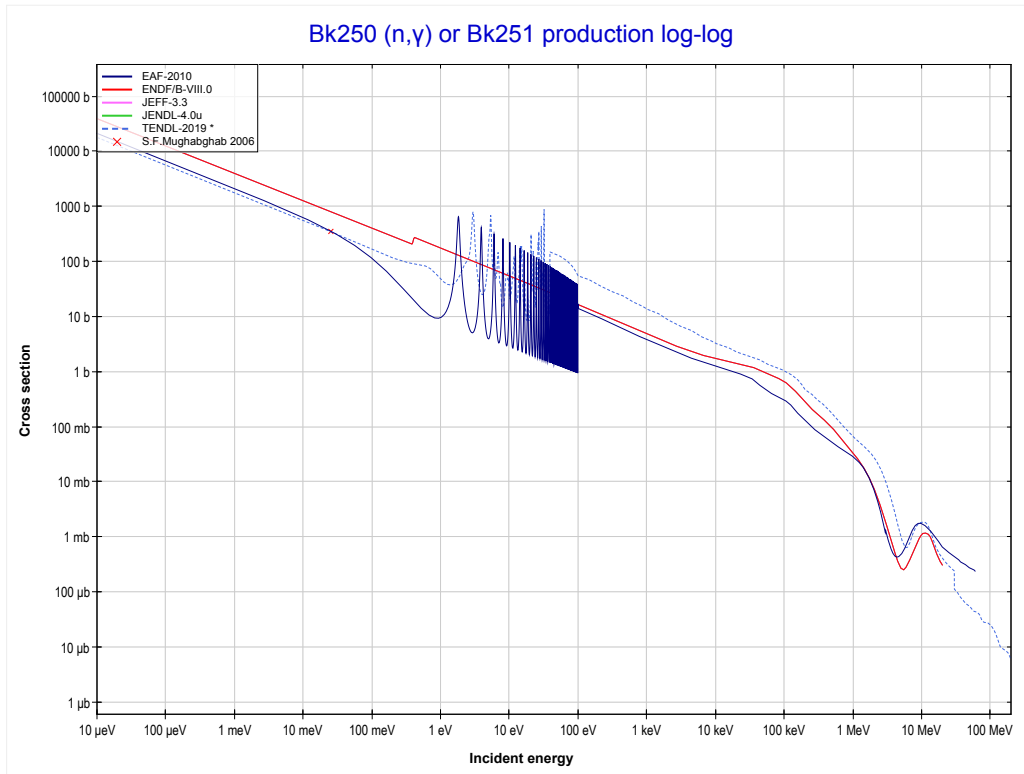
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 711.384 b | 711.047 b | 1069.7 b | 1.50483 | 1123.09 b | 0.177276 b | 0.00159573 b |
| ENDF/B-VIII.0 | 710.974 b | 710.974 b | 1068.2 b | 1.5024 | 1132.49 b | 0.0978828 b | 9.02753E-4 b |
| JEFF-3.3 | 710.974 b | 710.974 b | 1068.2 b | 1.5024 | 1132.49 b | 0.0978828 b | 9.02753E-4 b |
| JENDL-4.0u | 710.974 b | 710.974 b | 1068.2 b | 1.5024 | 1132.49 b | 0.0978828 b | 9.02753E-4 b |
| CENDL-3.2 | 745.327 b | 745.327 b | 1100.3 b | 1.47631 | 1126.58 b | 0.169277 b | 2.7262E-4 b |
| TENDL-2019 | 747.297 b | 747.297 b | 1100.6 b | 1.47276 | 1168.45 b | 0.19498 b | 0.0010731 b |

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|-----------------------------------|-------------------------|-------------------------|
| << 97-Bk-249 | 97-Bk-250 | 98-Cf-249 >> |
| << 97-Bk-249 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



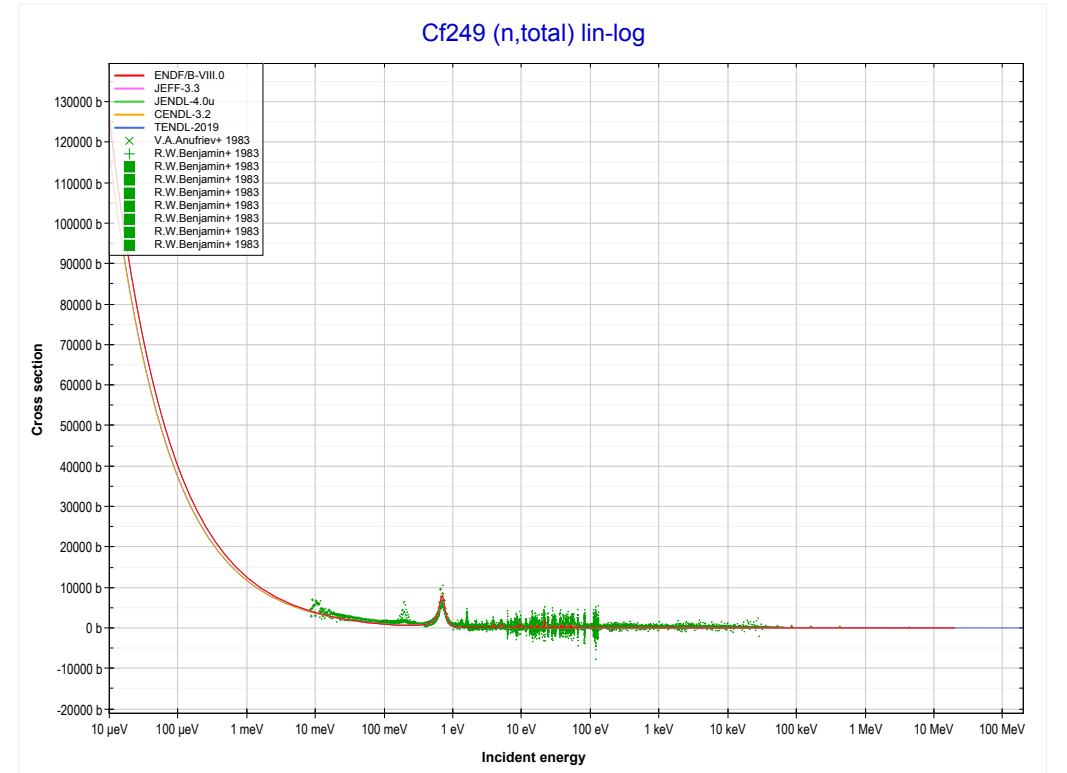
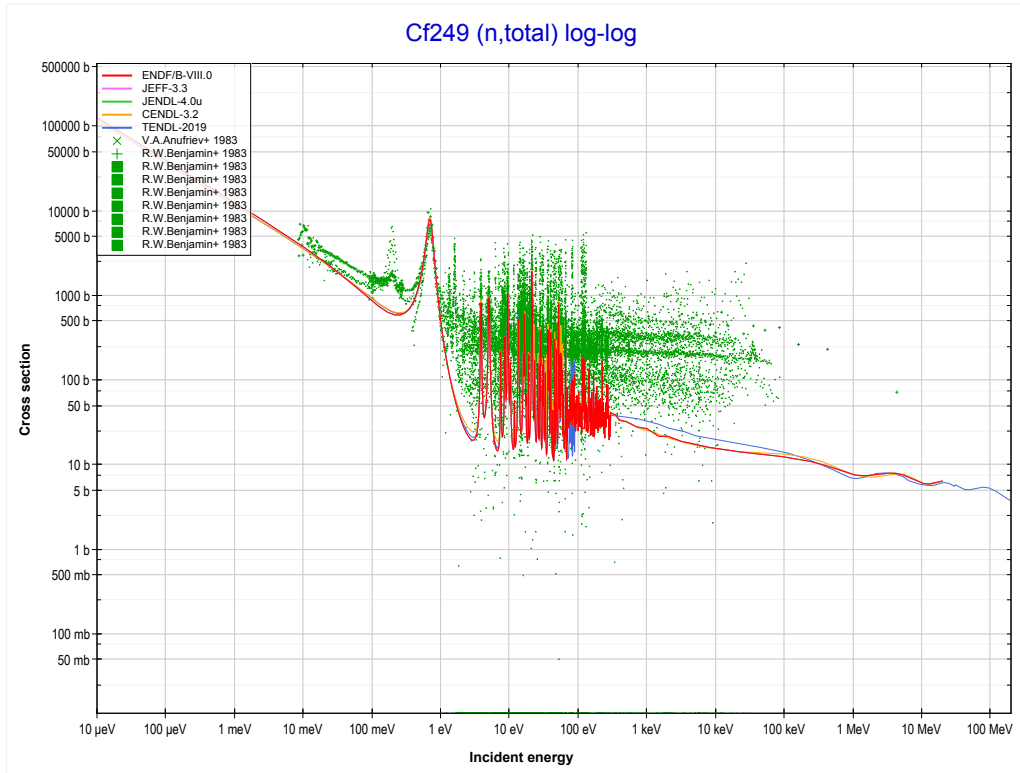
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 958.98 b | 958.049 b | 905.03 b | 0.94445 | 505.512 b | 2.04064 b | 2.0832 b |
| ENDF/B-VIII.0 | 980.4 b | 980.4 b | 982.42 b | 1.00206 | 618.799 b | 1.01856 b | 2.33394 b |
| JEFF-3.3 | 980.4 b | 980.4 b | 982.42 b | 1.00206 | 618.799 b | 1.01856 b | 2.33394 b |
| JENDL-4.0u | 980.4 b | 980.4 b | 982.42 b | 1.00206 | 618.799 b | 1.01856 b | 2.33394 b |
| TENDL-2019 | 795.876 b | 795.876 b | 799.82 b | 1.00495 | 693.397 b | 0.148443 b | 1.15034 b |

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|---------------------|--|----------------------------|
| << 97-Bk-249 | 97-Bk-250 | 98-Cf-249 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Bk251 production) | 98-Cf-249 MT1 (n,total) >> |



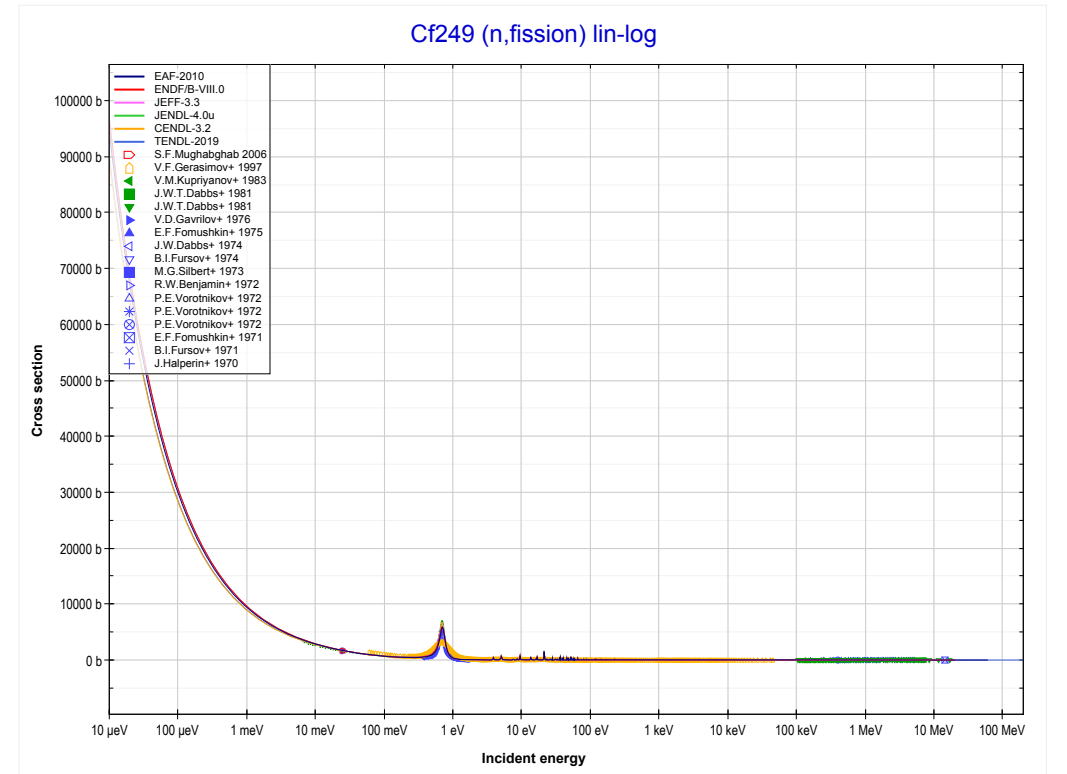
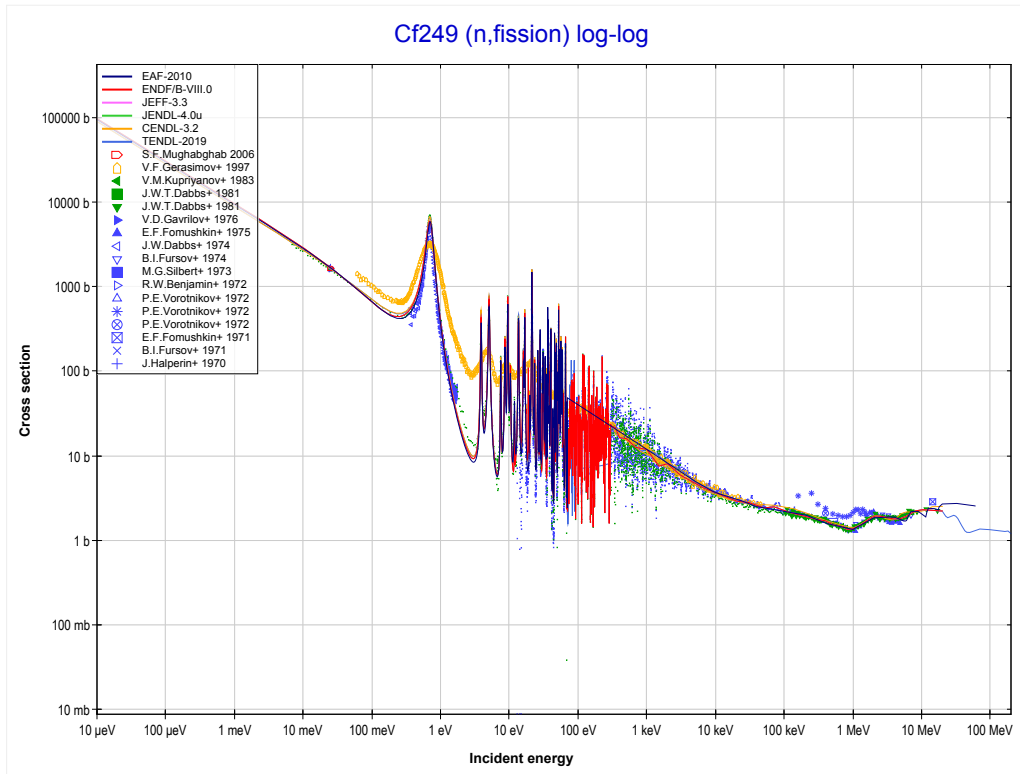
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 353.31 b | 352.967 b | 333.43 b | 0.94445 | 198.919 b | 0.0325269 b | 0.0012029 b |
| ENDF/B-VIII.0 | 780.371 b | 780.371 b | 782.5 b | 1.00273 | 491.705 b | 0.0562277 b | 8.73463E-4 b |
| JEFF-3.3 | 780.371 b | 780.371 b | 782.5 b | 1.00273 | 491.705 b | 0.0562277 b | 8.73463E-4 b |
| JENDL-4.0u | 780.371 b | 780.371 b | 782.5 b | 1.00273 | 491.705 b | 0.0562277 b | 8.73463E-4 b |
| TENDL-2019 | 345.481 b | 345.481 b | 343.02 b | 0.99288 | 558.626 b | 0.104146 b | 0.00106291 b |

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|-----------------------------------|----------------------|---------------------|
| << 97-Bk-249 | 98-Cf-249 | 98-Cf-250 >> |
| << 97-Bk-250 MT102 (n, γ) | MT1 (n,total) | MT18 (n,fission) >> |



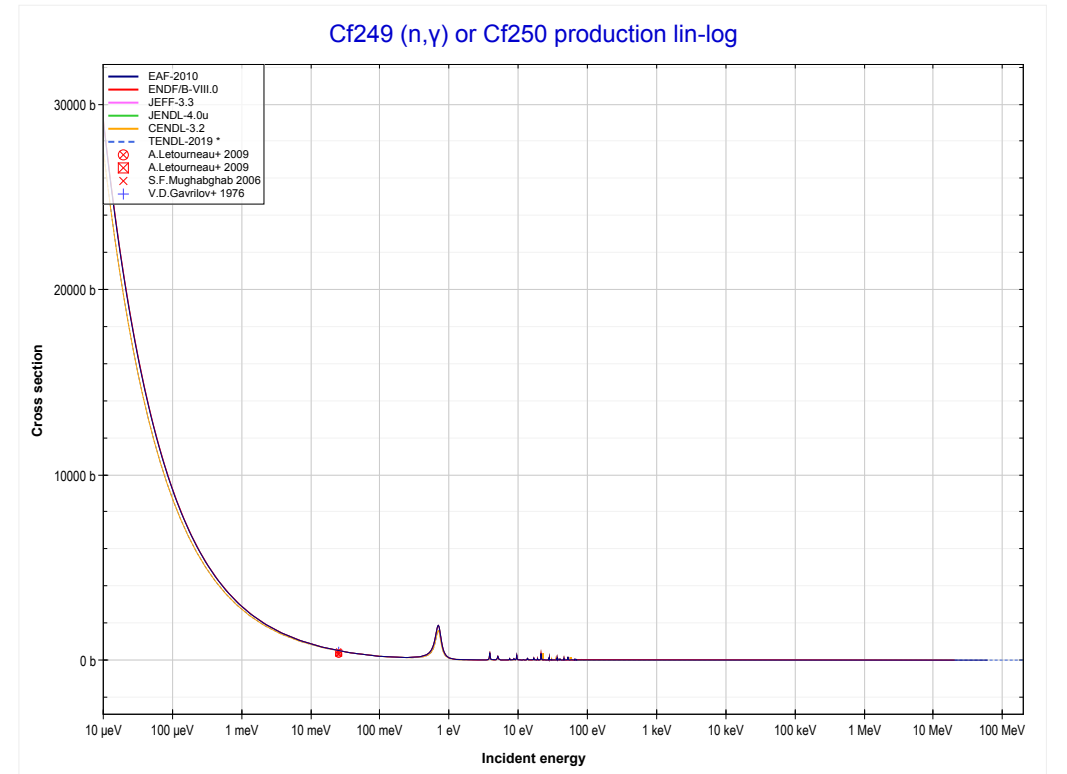
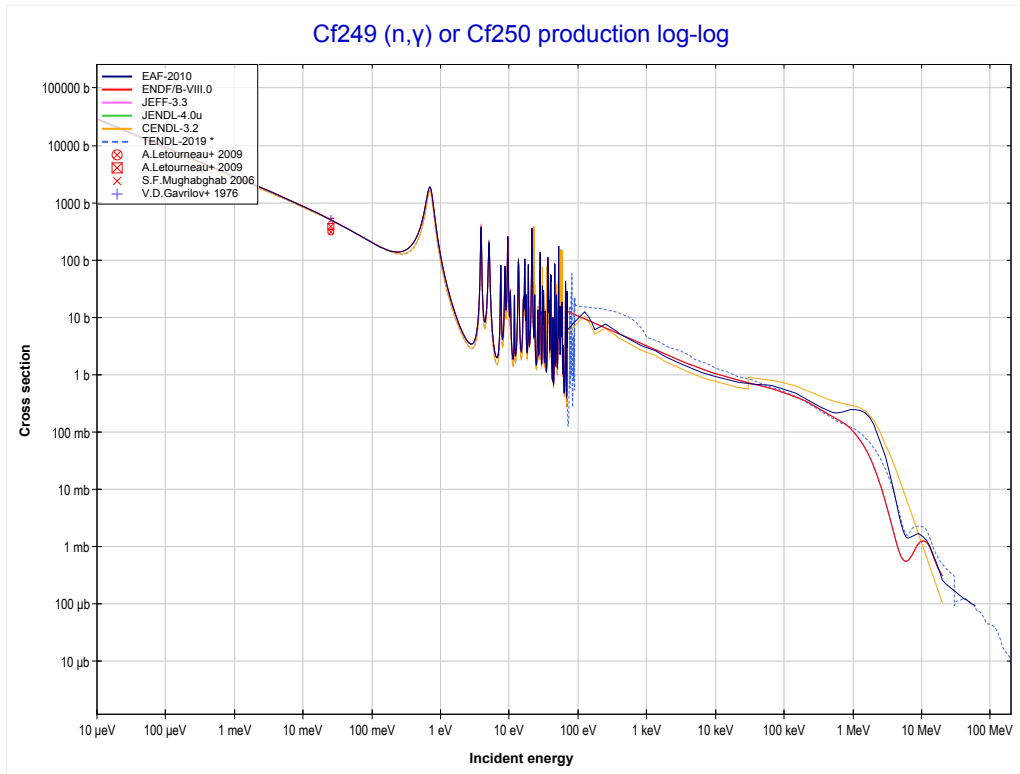
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2185.19 b | 2185.19 b | 2117.7 b | 0.9691 | 3033.9 b | 8.15041 b | 5.96518 b |
| JEFF-3.3 | 2185.19 b | 2185.19 b | 2117.7 b | 0.9691 | 3033.9 b | 8.15044 b | 5.96518 b |
| JENDL-4.0u | 2185.19 b | 2185.19 b | 2117.7 b | 0.9691 | 3033.9 b | 8.15044 b | 5.96518 b |
| CENDL-3.2 | 2143.51 b | 2143.51 b | 2096.6 b | 0.97811 | 3113.02 b | 8.11997 b | 5.8281 b |
| TENDL-2019 | 2146.79 b | 2146.79 b | 2097.6 b | 0.97711 | 3093.19 b | 7.99292 b | 5.63139 b |

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|------------------|-------------------------|-------------------------|
| << 97-Bk-250 | 98-Cf-249 | 98-Cf-250 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



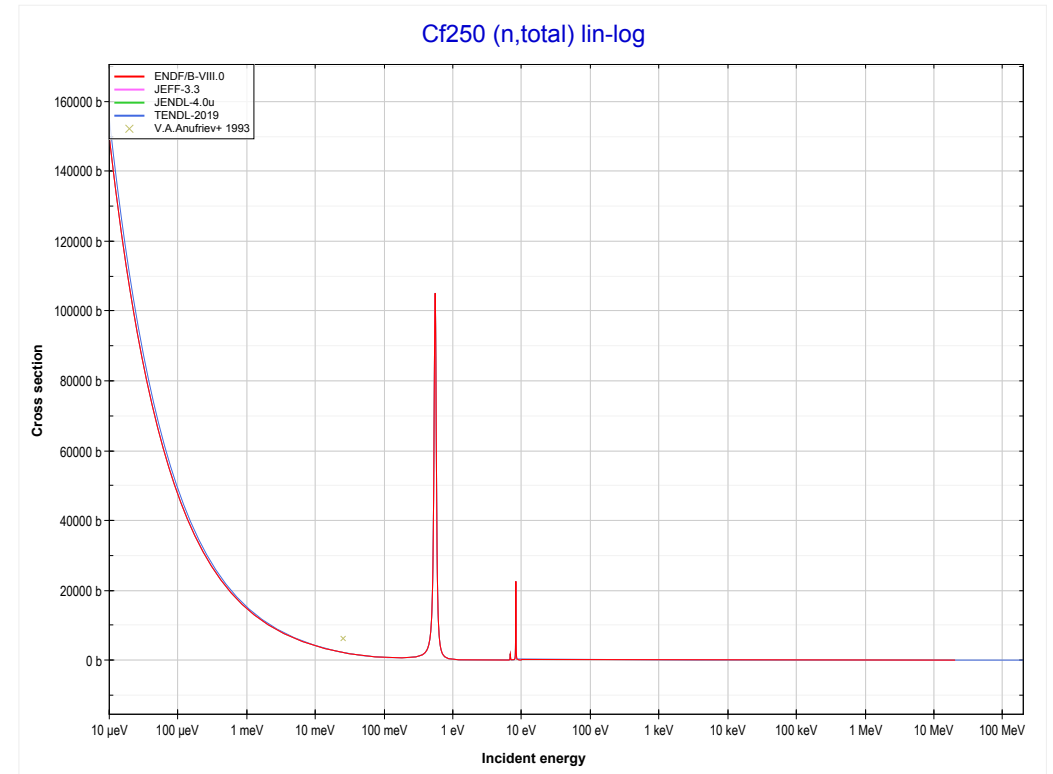
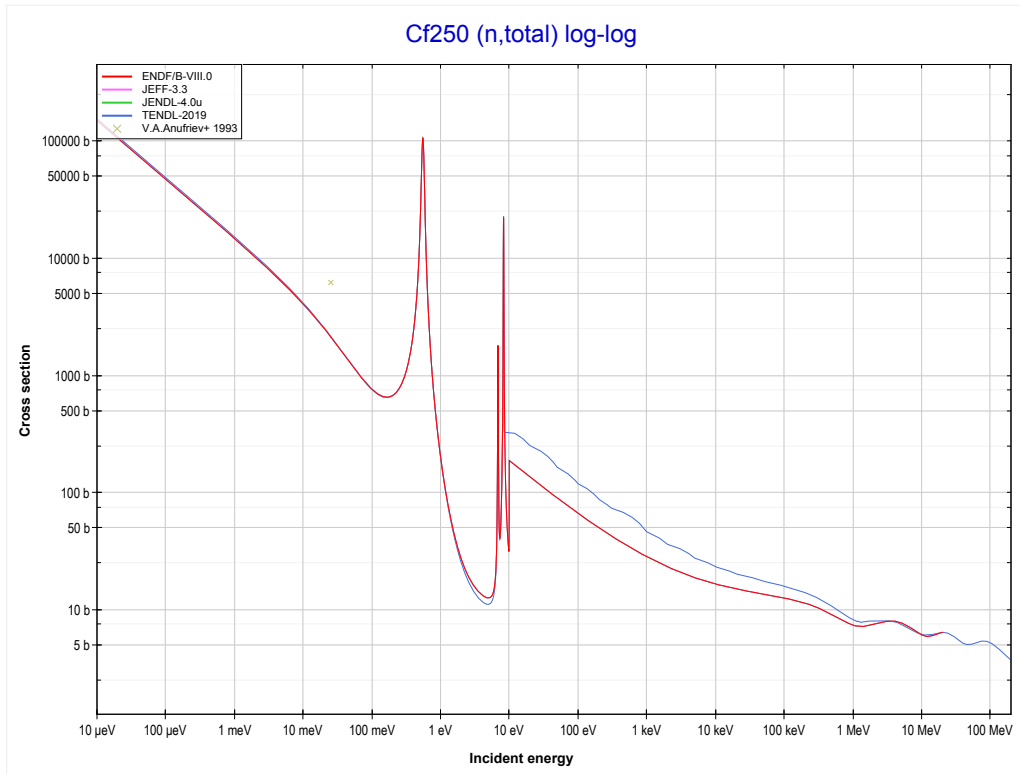
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1665.71 b | 1664.19 b | 1611.4 b | 0.96814 | 2097.85 b | 1.71664 b | 2.4 b |
| ENDF/B-VIII.0 | 1672.5 b | 1672.5 b | 1619.8 b | 0.96848 | 2209.46 b | 1.73639 b | 2.29001 b |
| JEFF-3.3 | 1672.5 b | 1672.5 b | 1619.8 b | 0.96848 | 2209.46 b | 1.73639 b | 2.29001 b |
| JENDL-4.0u | 1672.5 b | 1672.5 b | 1619.8 b | 0.96848 | 2209.46 b | 1.73639 b | 2.29001 b |
| CENDL-3.2 | 1633.3 b | 1633.3 b | 1598.8 b | 0.9789 | 2380.35 b | 1.77917 b | 2.4972 b |
| TENDL-2019 | 1641.31 b | 1641.31 b | 1605.2 b | 0.97801 | 2332.62 b | 1.73741 b | 2.29001 b |

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|---------------------|--|----------------------------|
| << 97-Bk-250 | 98-Cf-249 | 98-Cf-250 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cf250 production) | 98-Cf-250 MT1 (n,total) >> |



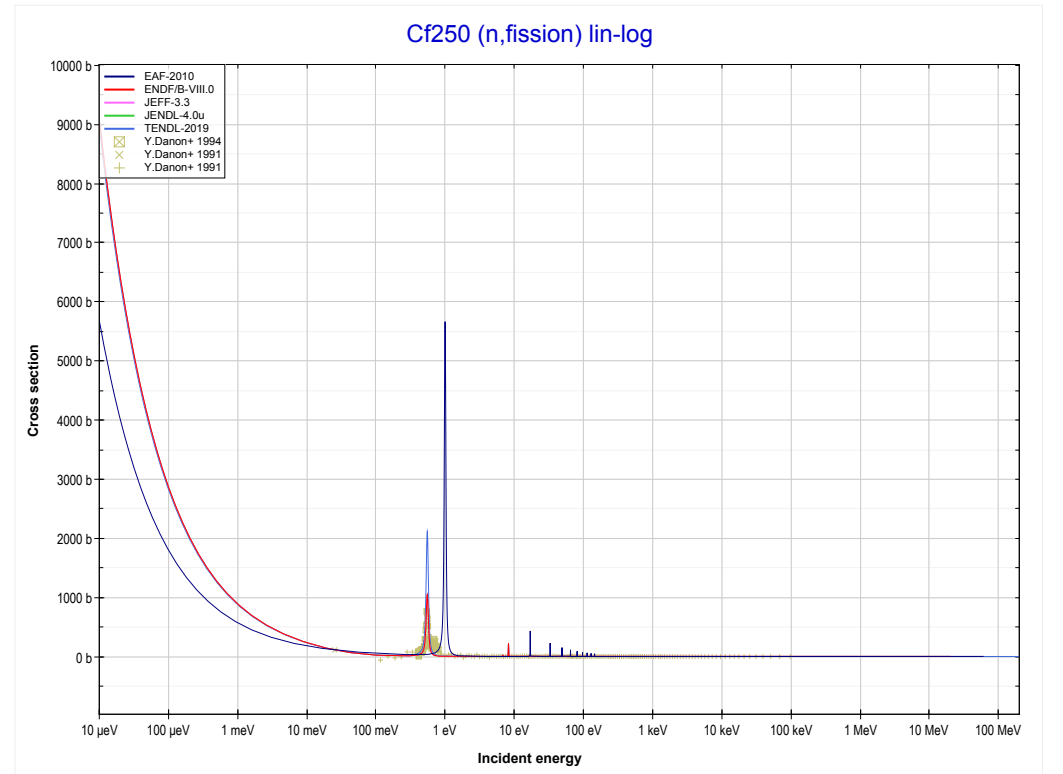
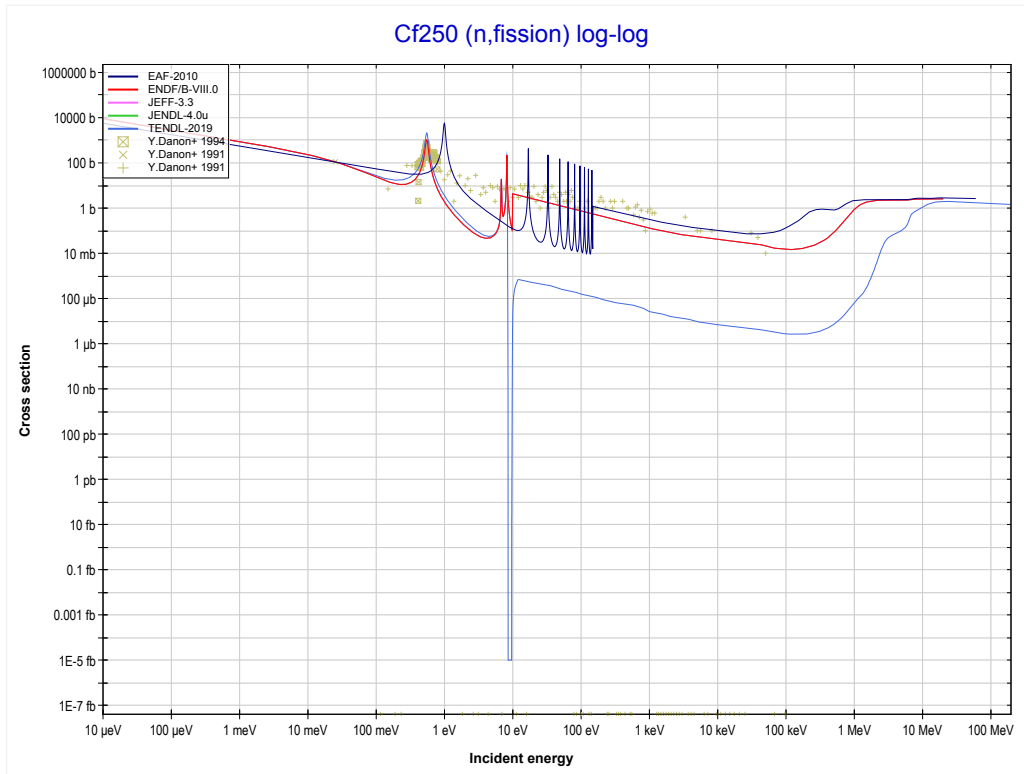
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 504.239 b | 503.783 b | 488.41 b | 0.96933 | 693.86 b | 0.166382 b | 8.53426E-4 b |
| ENDF/B-VIII.0 | 506.442 b | 506.442 b | 491.11 b | 0.96972 | 695.297 b | 0.0889098 b | 8.23683E-4 b |
| JEFF-3.3 | 506.442 b | 506.442 b | 491.11 b | 0.96972 | 695.297 b | 0.0889098 b | 8.23683E-4 b |
| JENDL-4.0u | 506.442 b | 506.442 b | 491.11 b | 0.96972 | 695.297 b | 0.0889098 b | 8.23683E-4 b |
| CENDL-3.2 | 496.451 b | 496.451 b | 482.77 b | 0.97245 | 572.018 b | 0.216061 b | 3.616E-4 b |
| TENDL-2019 | 496.857 b | 496.857 b | 483.05 b | 0.97222 | 593.528 b | 0.101006 b | 0.00114976 b |

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|-----------------------------------|----------------------|---------------------|
| << 98-Cf-249 | 98-Cf-250 | 98-Cf-251 >> |
| << 98-Cf-249 MT102 (n, γ) | MT1 (n,total) | MT18 (n,fission) >> |



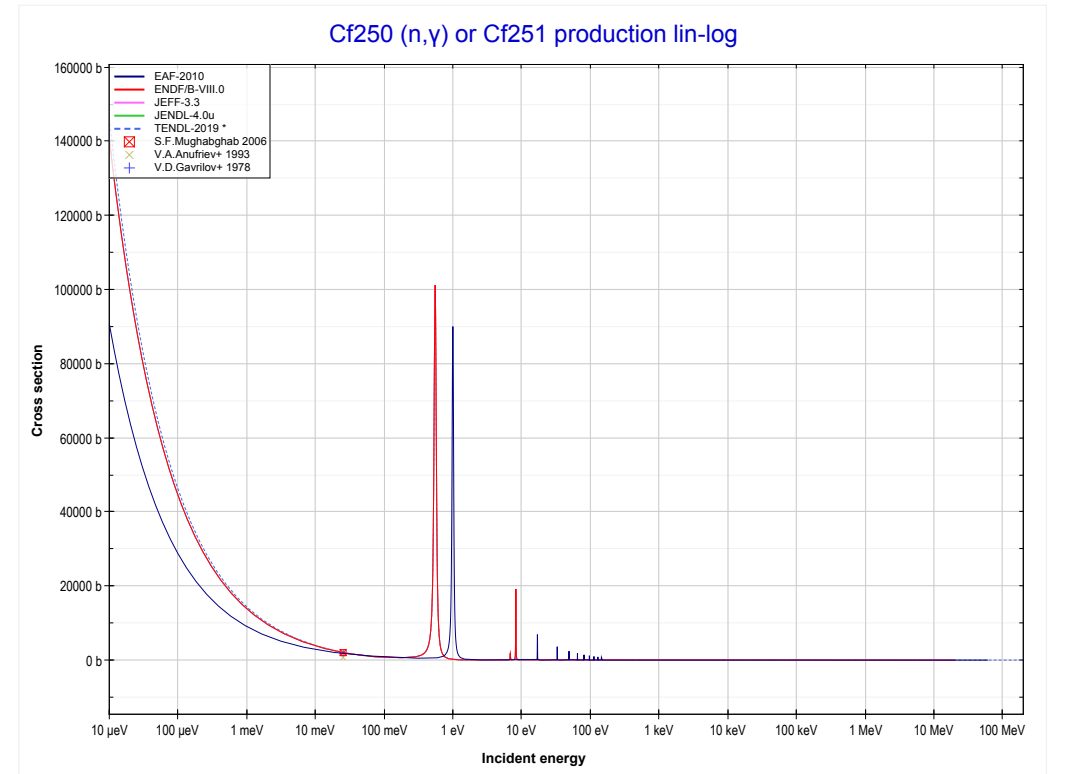
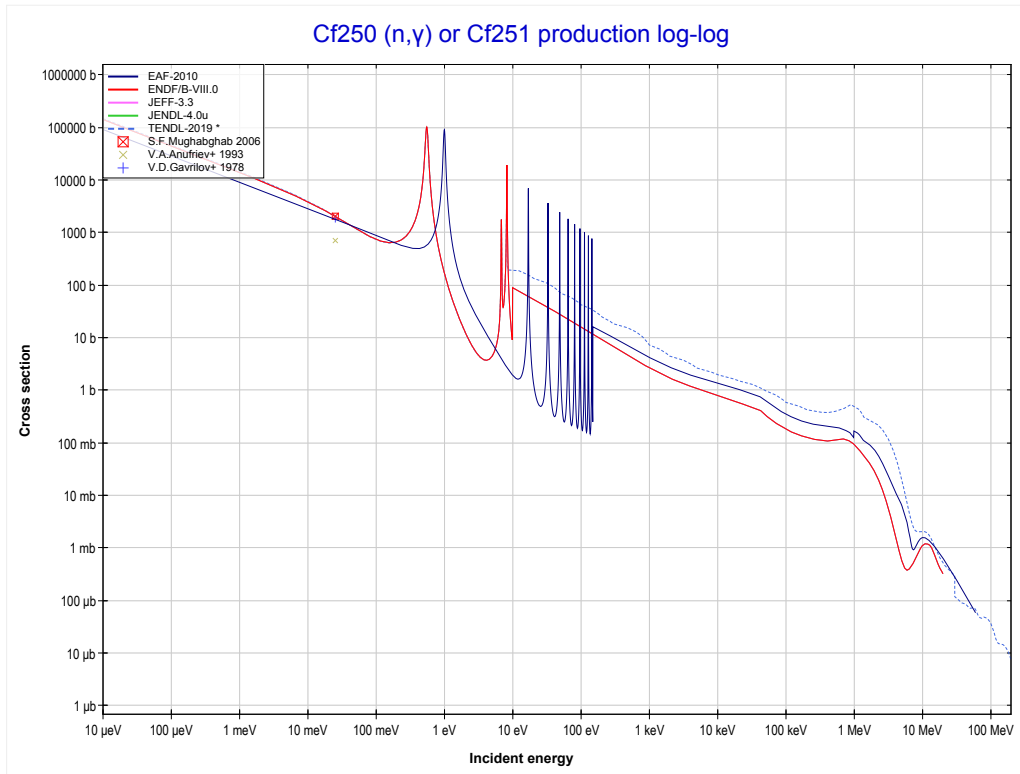
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 2132 b | 2132 b | 2080.1 b | 0.97565 | 12793 b | 8.06919 b | 5.9683 b |
| JEFF-3.3 | 2132 b | 2132 b | 2080.1 b | 0.97565 | 12793 b | 8.06919 b | 5.9683 b |
| JENDL-4.0u | 2132 b | 2132 b | 2080.1 b | 0.97565 | 12793 b | 8.06919 b | 5.9683 b |
| TENDL-2019 | 2150.08 b | 2150.08 b | 2099.1 b | 0.9763 | 13121.6 b | 8.84748 b | 6.13153 b |

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| << 98-Cf-249 | 98-Cf-250 | 98-Cf-251 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



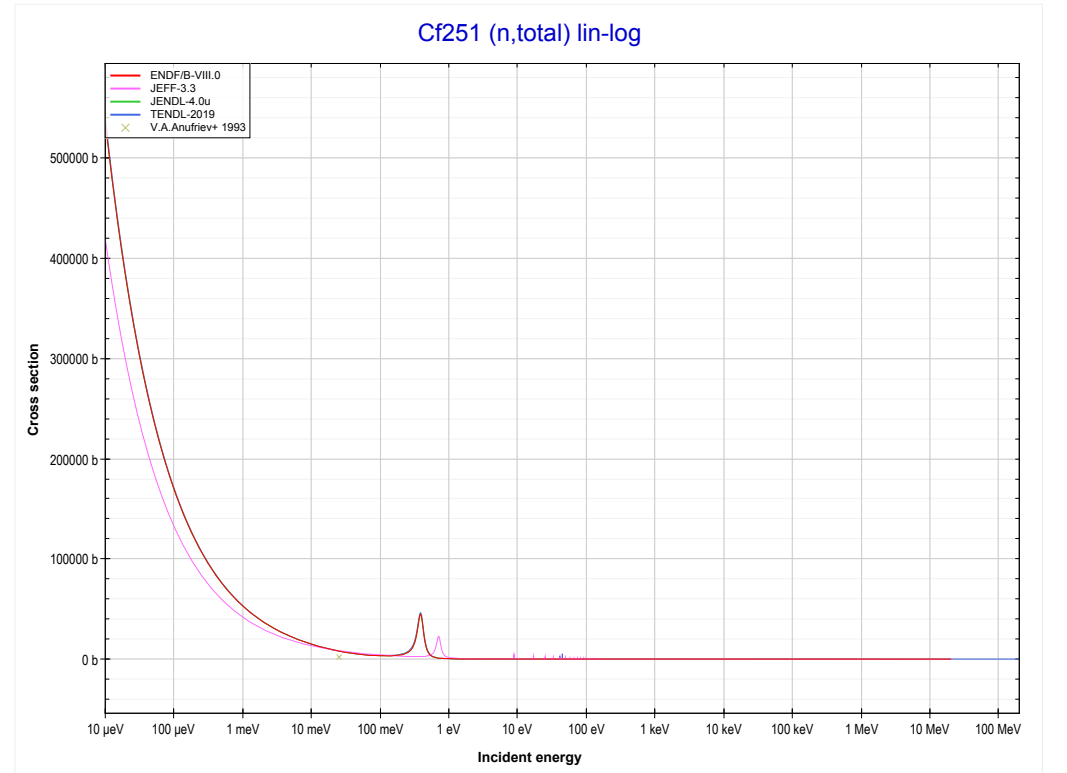
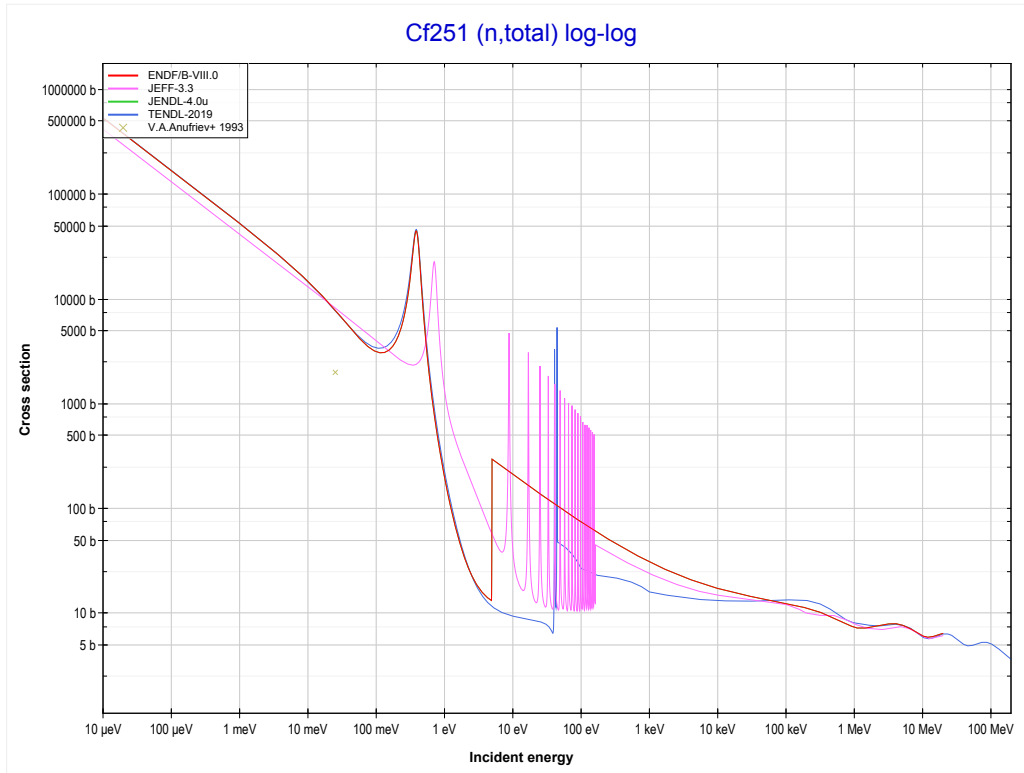
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 112 b | 111.917 b | 111.42 b | 0.9956 | 530.022 b | 1.95761 b | 2.71 b |
| ENDF/B-VIII.0 | 112.039 b | 112.039 b | 104.98 b | 0.93703 | 128.284 b | 1.46493 b | 2.46609 b |
| JEFF-3.3 | 112.039 b | 112.039 b | 104.98 b | 0.93703 | 128.284 b | 1.46493 b | 2.46609 b |
| JENDL-4.0u | 112.039 b | 112.039 b | 104.98 b | 0.93703 | 128.284 b | 1.46493 b | 2.46609 b |
| TENDL-2019 | 110.967 b | 110.967 b | 105.21 b | 0.94812 | 241.752 b | 0.034526 b | 1.7344 b |

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|---------------------|--|----------------------------|
| << 98-Cf-249 | 98-Cf-250 | 98-Cf-251 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cf251 production) | 98-Cf-251 MT1 (n,total) >> |



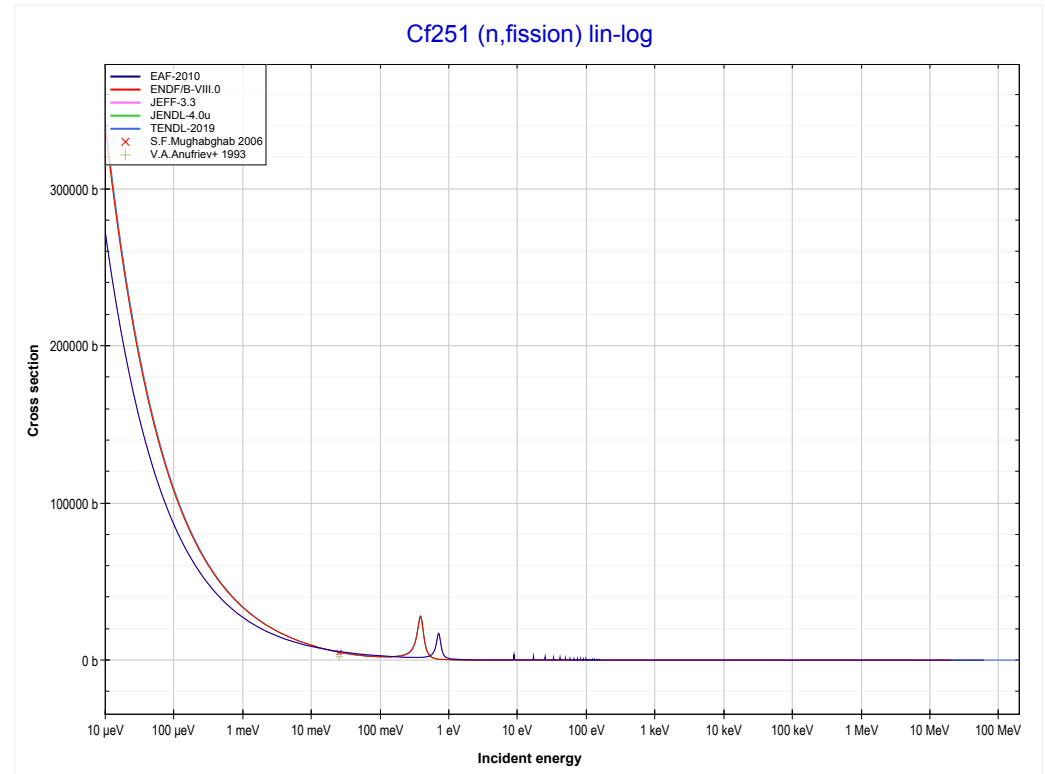
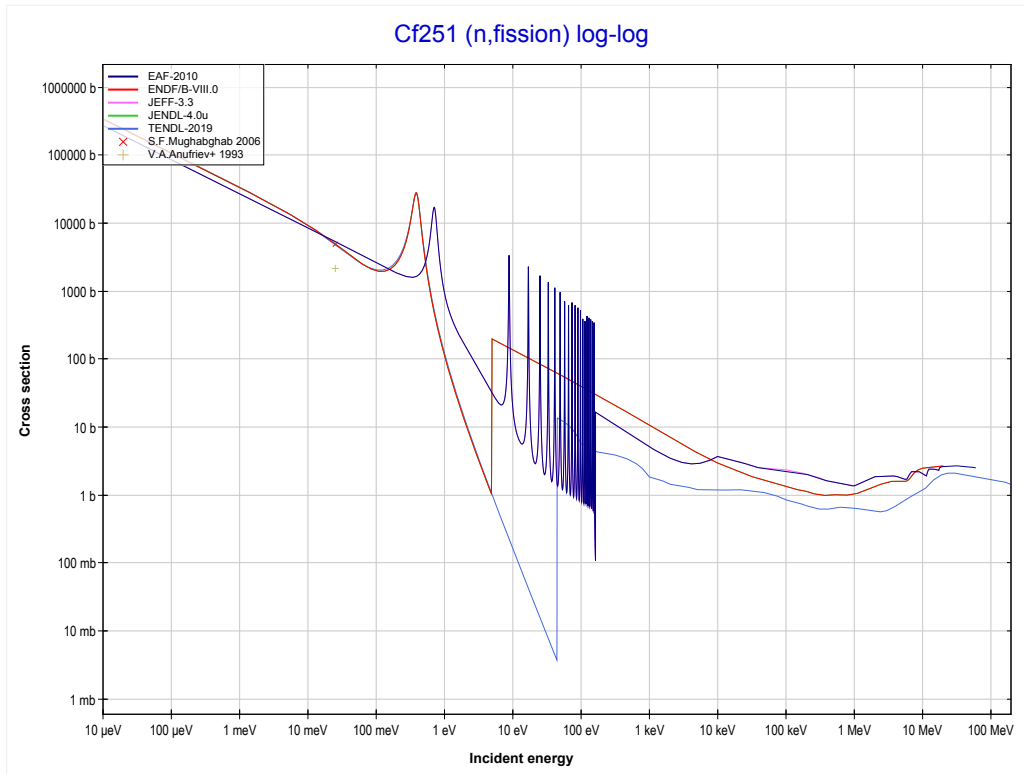
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 1779.13 b | 1777.8 b | 1769.6 b | 0.99536 | 8417.59 b | 0.111154 b | 0.00120196 b |
| ENDF/B-VIII.0 | 2017.72 b | 2017.72 b | 1973.1 b | 0.97789 | 11904.8 b | 0.0588195 b | 9.52783E-4 b |
| JEFF-3.3 | 2017.72 b | 2017.72 b | 1973.1 b | 0.97789 | 11904.8 b | 0.0588195 b | 9.52783E-4 b |
| JENDL-4.0u | 2017.72 b | 2017.72 b | 1973.1 b | 0.97789 | 11904.8 b | 0.0588195 b | 9.52783E-4 b |
| TENDL-2019 | 2037.51 b | 2037.51 b | 1992.5 b | 0.97793 | 11956.7 b | 0.28942 b | 0.0013788 b |

| | | |
|-----------------------------------|----------------------|---------------------|
| << 98-Cf-250 | 98-Cf-251 | |
| << 98-Cf-250 MT102 (n, γ) | MT1 (n,total) | MT18 (n,fission) >> |



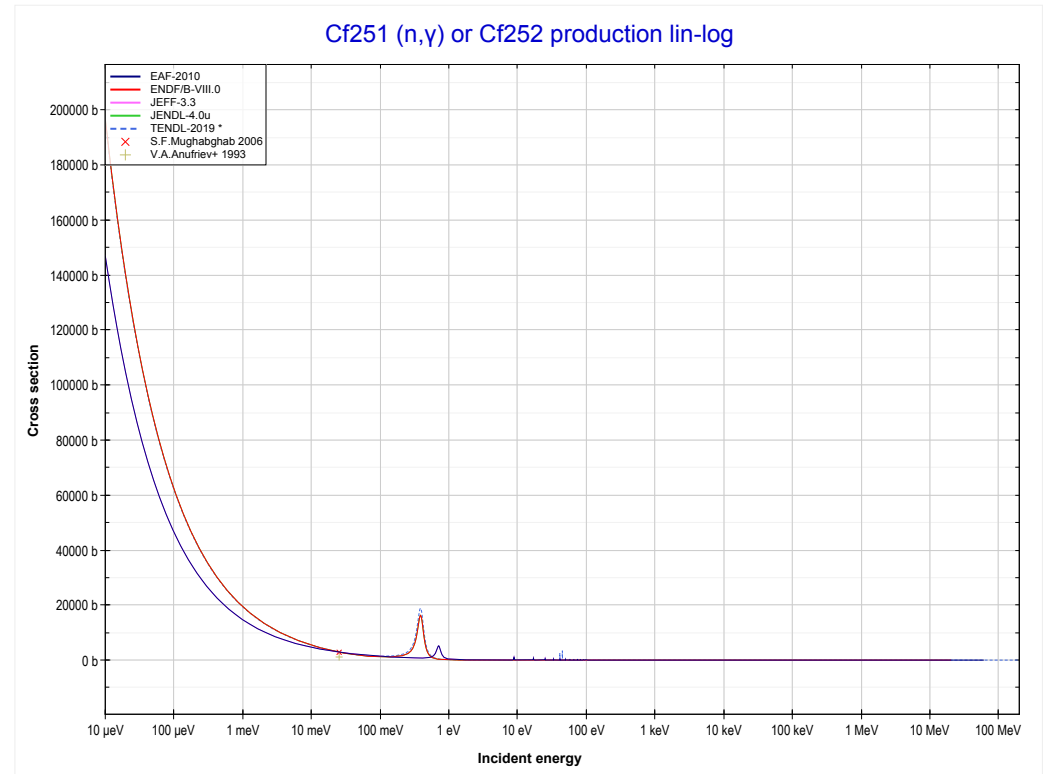
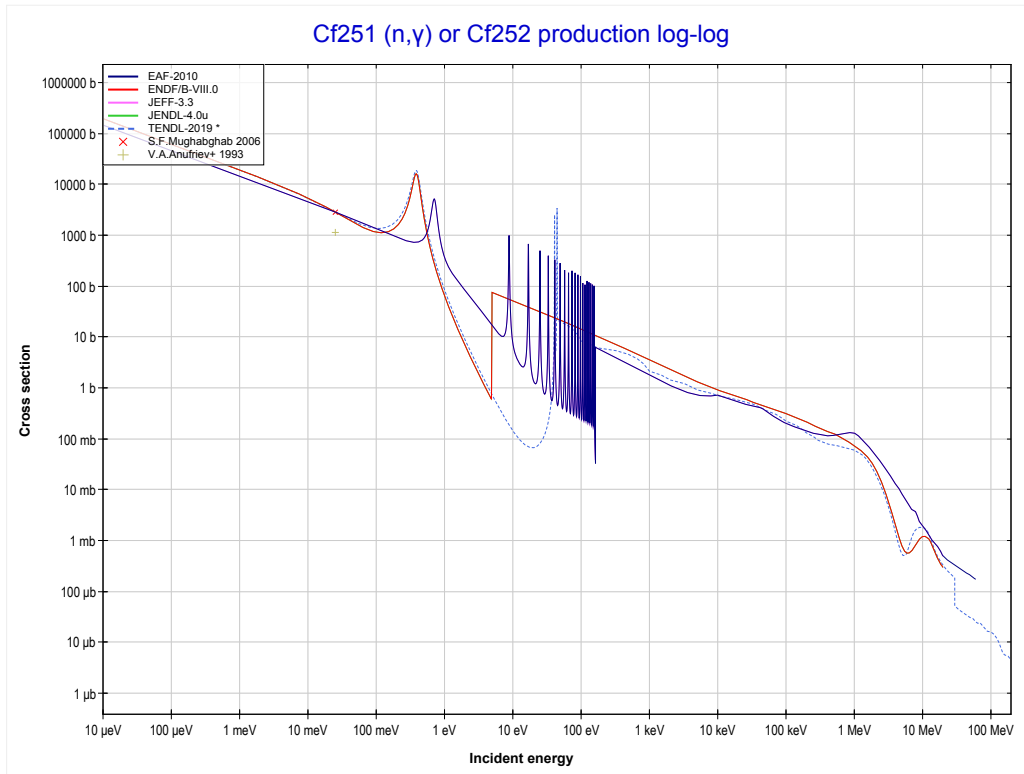
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| ENDF/B-VIII.0 | 7811.73 b | 7811.73 b | 7741.4 b | 0.991 | 1776.06 b | 8.06987 b | 5.97069 b |
| JEFF-3.3 | 8196.19 b | 8196.19 b | 8172.8 b | 0.99715 | 6806.07 b | 7.91148 b | 5.76435 b |
| JENDL-4.0u | 7811.73 b | 7811.73 b | 7741.4 b | 0.991 | 1776.06 b | 8.06987 b | 5.97069 b |
| TENDL-2019 | 7724.03 b | 7724.03 b | 7803.8 b | 1.01032 | 1485.51 b | 8.55169 b | 5.78696 b |

| | | |
|------------------|-------------------------|-------------------------|
| << 98-Cf-250 | 98-Cf-251 | 98-Cf-252 >> |
| << MT1 (n,total) | MT18 (n,fission) | MT102 (n, γ) >> |



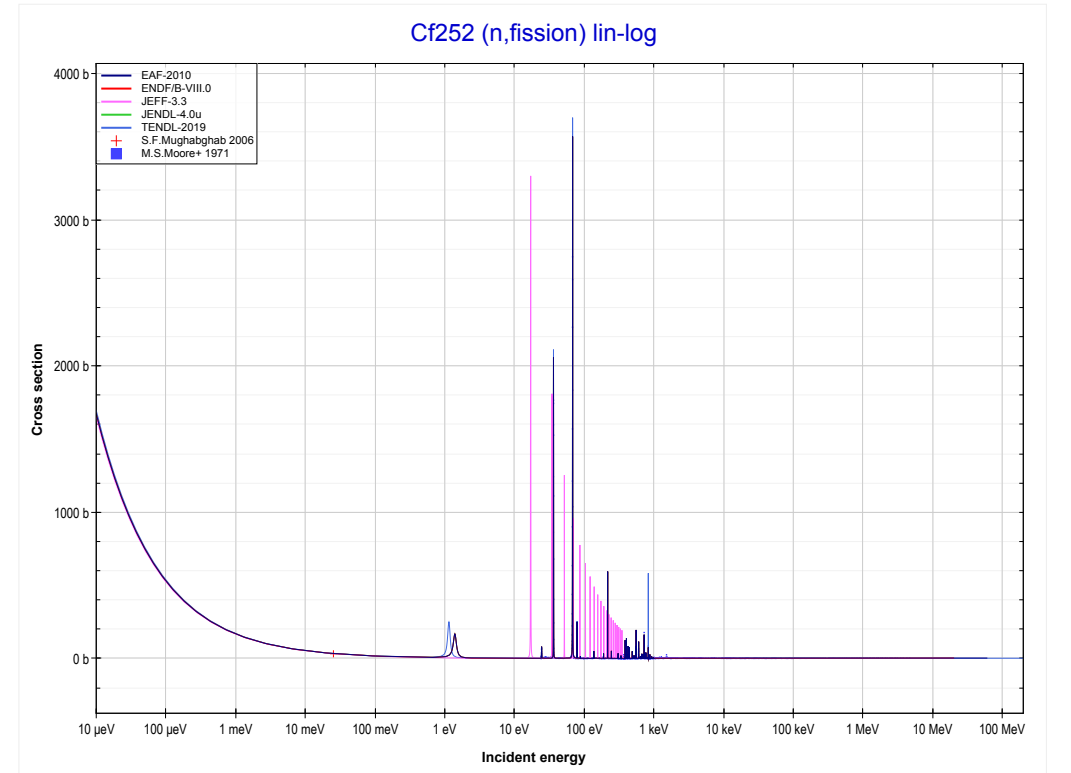
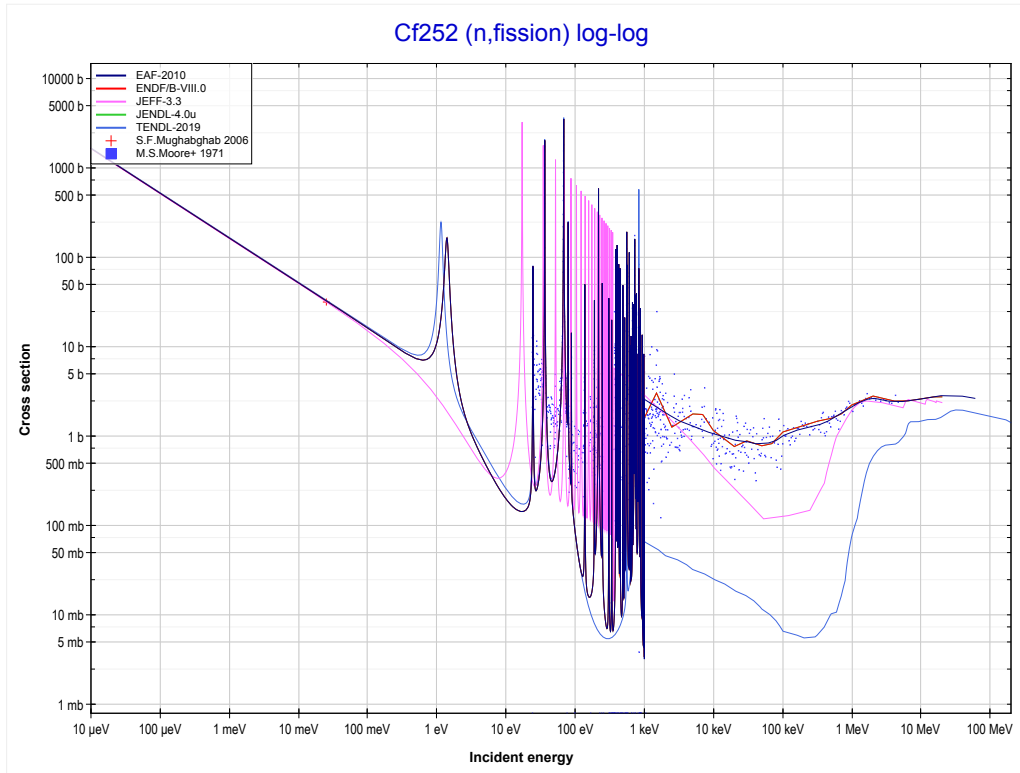
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 5327.99 b | 5323.85 b | 5311.2 b | 0.99759 | 4886.78 b | 1.7158 b | 2.4 b |
| ENDF/B-VIII.0 | 4938.63 b | 4938.63 b | 4894 b | 0.99097 | 1029.3 b | 1.27872 b | 2.58673 b |
| JEFF-3.3 | 5322.1 b | 5322.1 b | 5313.3 b | 0.99835 | 4888.23 b | 1.71682 b | 2.4 b |
| JENDL-4.0u | 4938.63 b | 4938.63 b | 4894 b | 0.99097 | 1029.3 b | 1.27872 b | 2.58673 b |
| TENDL-2019 | 4827.79 b | 4827.79 b | 4853.4 b | 1.0053 | 735.166 b | 0.647707 b | 1.5987 b |

| | | |
|---------------------|--|-------------------------------|
| << 98-Cf-250 | 98-Cf-251 | 98-Cf-252 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cf252 production) | 98-Cf-252 MT18 (n,fission) >> |



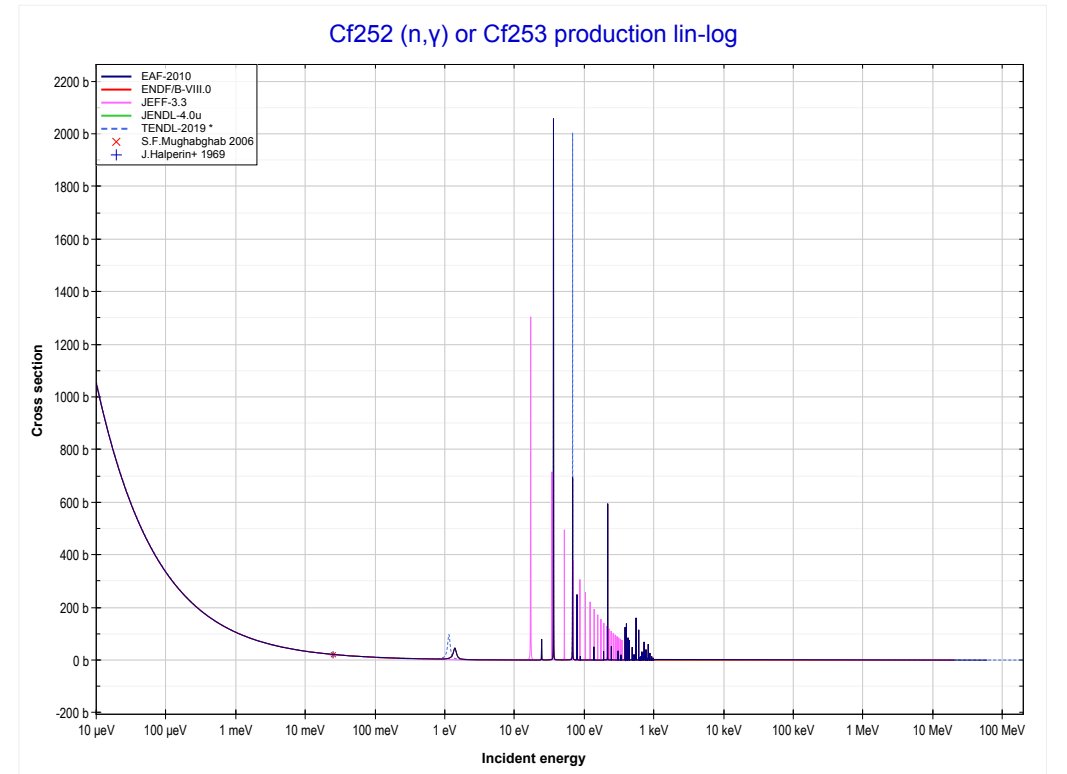
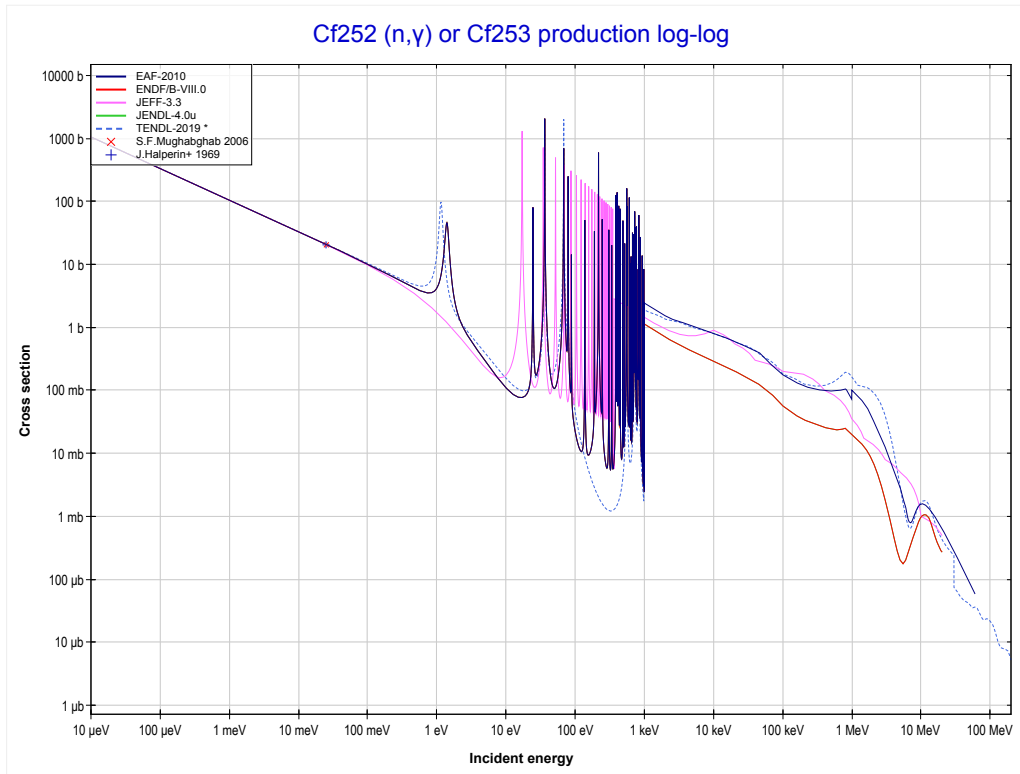
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 2864.13 b | 2861.97 b | 2844.5 b | 0.99389 | 1613.46 b | 0.0780498 b | 0.001 b |
| ENDF/B-VIII.0 | 2864.16 b | 2864.16 b | 2838.3 b | 0.99097 | 519.656 b | 0.063503 b | 8.06962E-4 b |
| JEFF-3.3 | 2861.98 b | 2861.98 b | 2845.7 b | 0.9943 | 1613.77 b | 0.0780435 b | 0.001 b |
| JENDL-4.0u | 2864.16 b | 2864.16 b | 2838.3 b | 0.99097 | 519.656 b | 0.063503 b | 8.06962E-4 b |
| TENDL-2019 | 2893.09 b | 2893.09 b | 2946.6 b | 1.01851 | 567.101 b | 0.0456323 b | 8.93974E-4 b |

| | | |
|-----------------------------------|-------------------------|-------------------------|
| << 98-Cf-251 | 98-Cf-252 | 98-Cf-253 >> |
| << 98-Cf-251 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



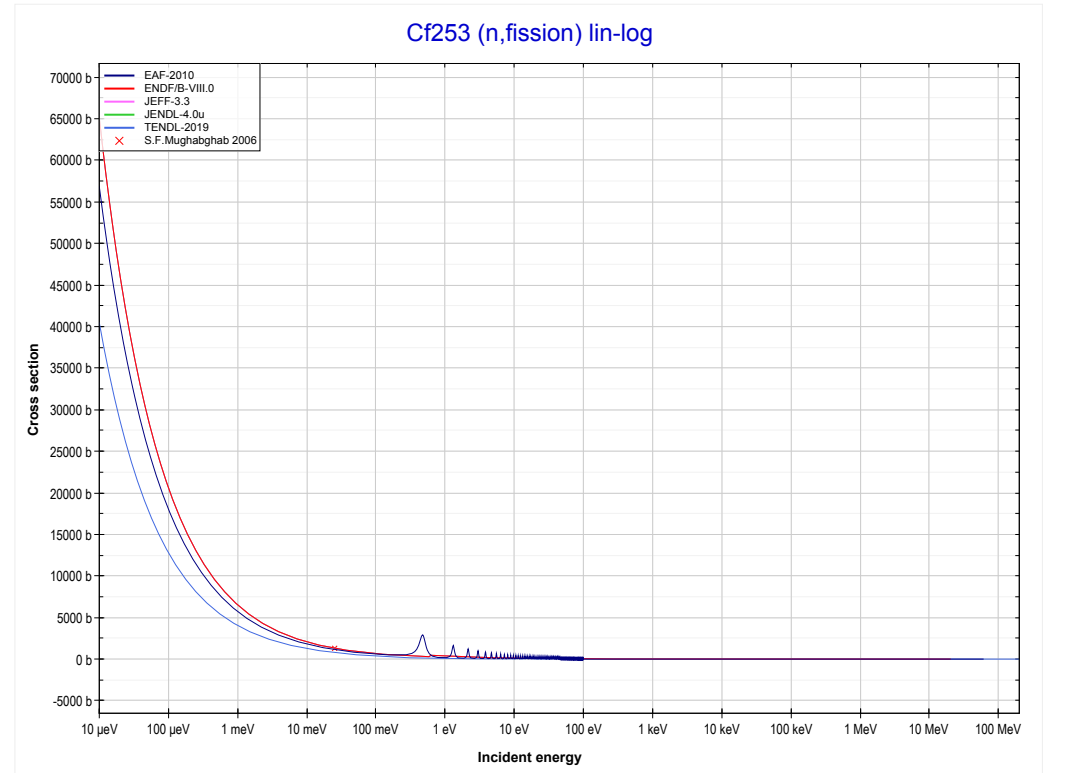
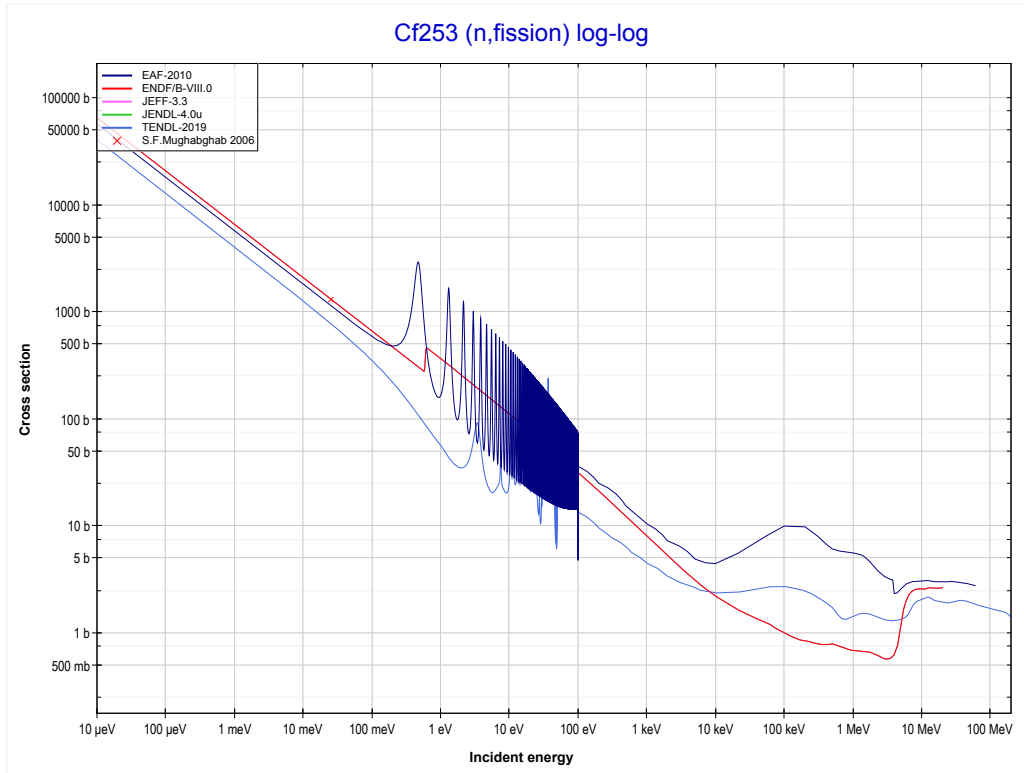
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 33.0592 b | 33.0342 b | 32.934 b | 0.99696 | 99.6598 b | 2.2375 b | 2.77 b |
| ENDF/B-VIII.0 | 33.0325 b | 33.0325 b | 32.954 b | 0.99762 | 100.022 b | 2.307 b | 2.77 b |
| JEFF-3.3 | 32.1761 b | 32.1761 b | 31.89 b | 0.99112 | 111.012 b | 1.89696 b | 2.53636 b |
| JENDL-4.0u | 33.0325 b | 33.0325 b | 32.954 b | 0.99762 | 100.022 b | 2.307 b | 2.77 b |
| TENDL-2019 | 33.5884 b | 33.5884 b | 33.541 b | 0.9986 | 99.7206 b | 0.419189 b | 1.54094 b |

| | | |
|---------------------|--|-------------------------------|
| << 98-Cf-251 | 98-Cf-252 | 98-Cf-253 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cf253 production) | 98-Cf-253 MT18 (n,fission) >> |



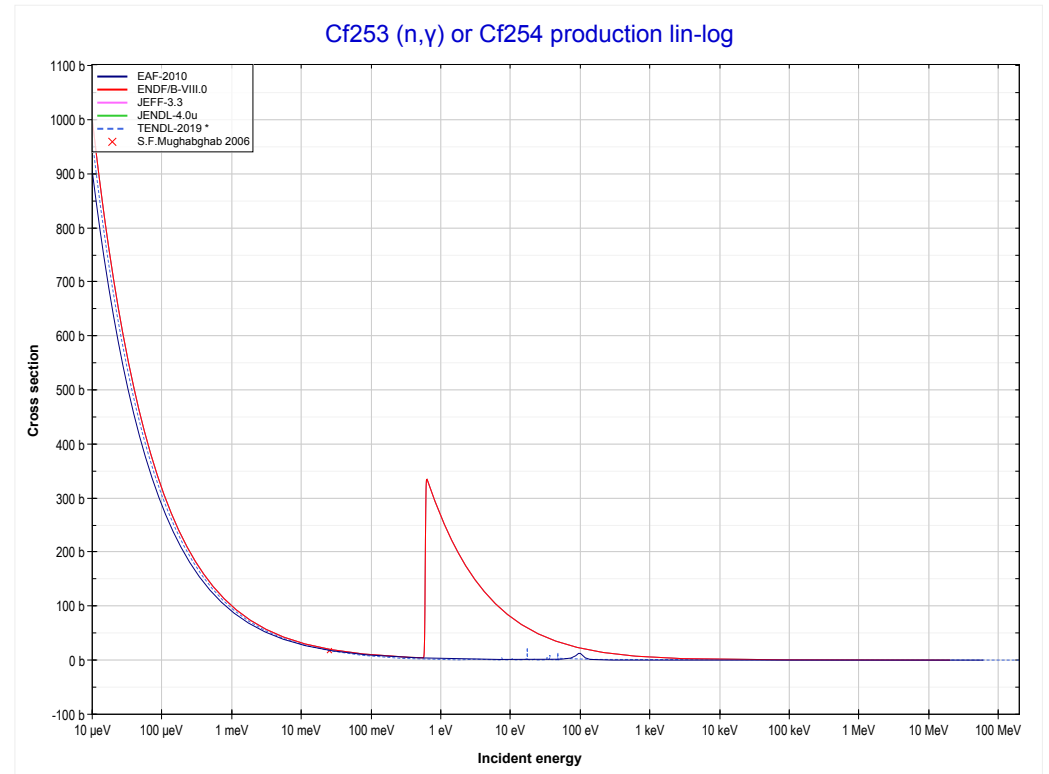
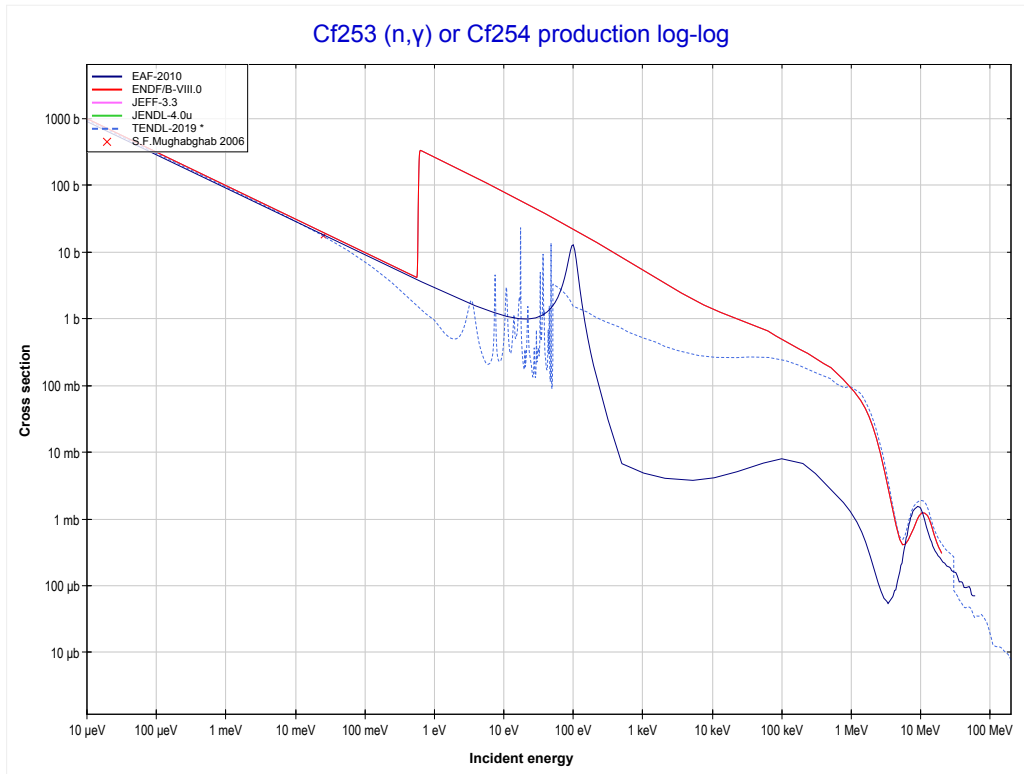
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 20.7072 b | 20.6919 b | 20.587 b | 0.99496 | 47.0393 b | 0.0596106 b | 0.00120323 b |
| ENDF/B-VIII.0 | 20.7104 b | 20.7104 b | 20.614 b | 0.99535 | 44.5446 b | 0.0143809 b | 7.62891E-4 b |
| JEFF-3.3 | 20.4944 b | 20.4944 b | 20.308 b | 0.99091 | 47.0514 b | 0.0418492 b | 8E-4 b |
| JENDL-4.0u | 20.7104 b | 20.7104 b | 20.614 b | 0.99535 | 44.5446 b | 0.0143809 b | 7.62891E-4 b |
| TENDL-2019 | 20.9463 b | 20.9463 b | 20.888 b | 0.99722 | 51.93 b | 0.100393 b | 0.00121443 b |

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|-----------------------------------|-------------------------|-------------------------|
| << 98-Cf-252 | 98-Cf-253 | 99-Es-248 >> |
| << 98-Cf-252 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



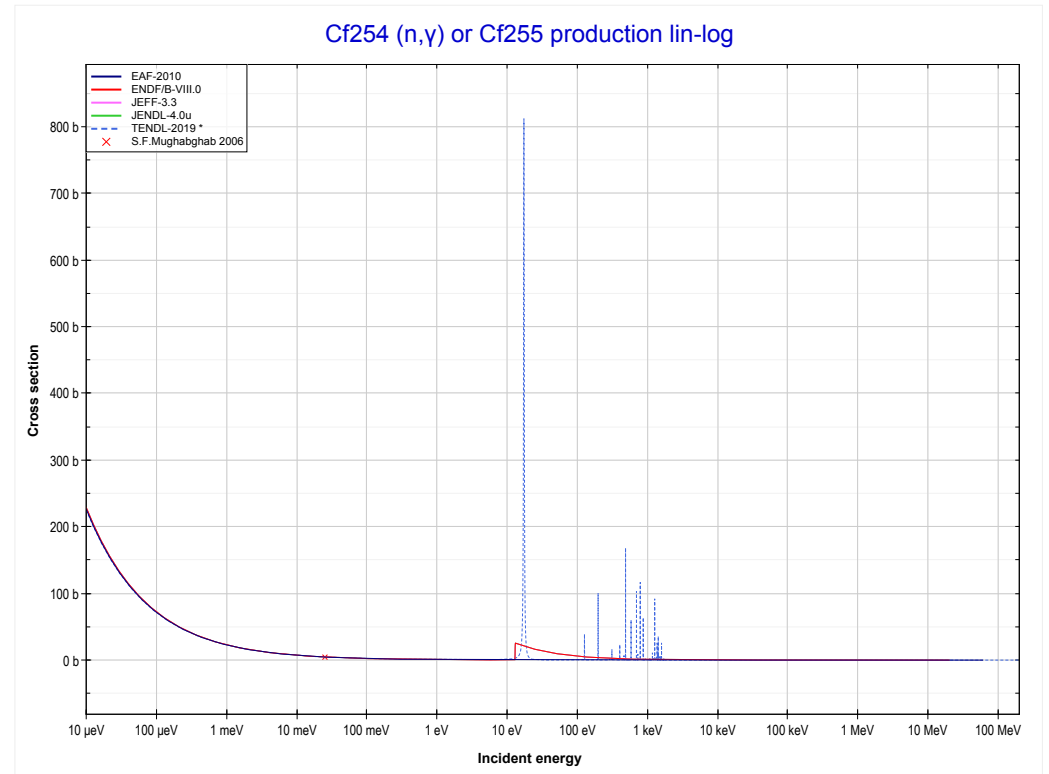
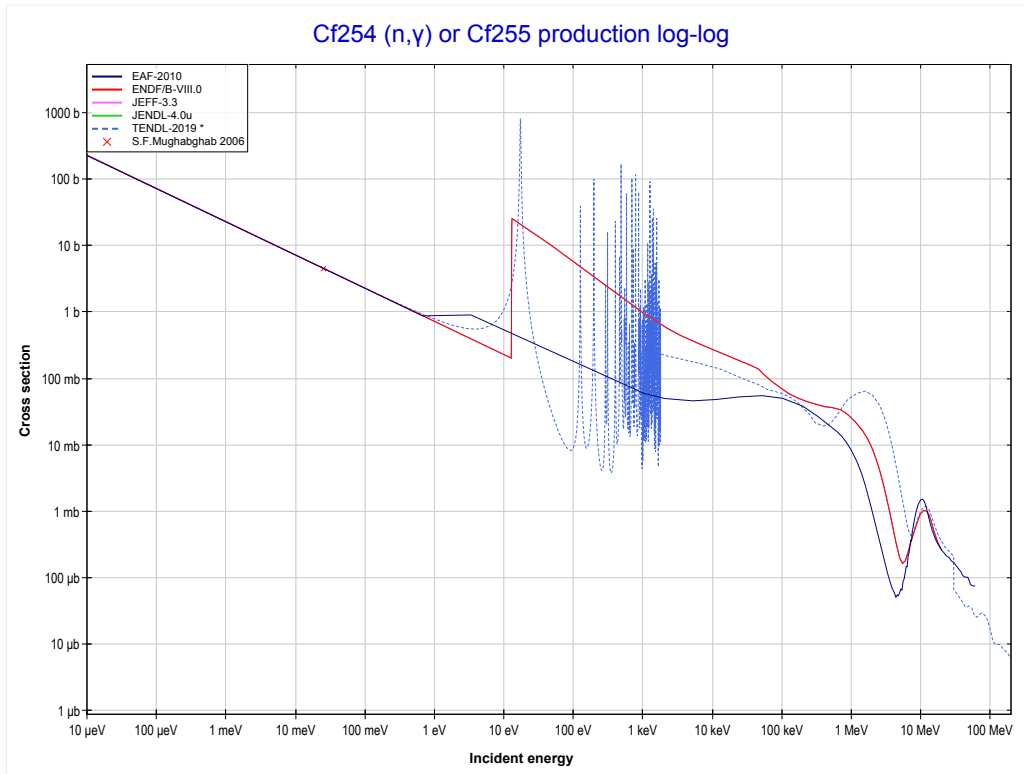
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1136.6 b | 1135.8 b | 1142.6 b | 1.00602 | 1266.46 b | 4.8694 b | 3.02261 b |
| ENDF/B-VIII.0 | 1300.4 b | 1300.4 b | 1302.3 b | 1.00149 | 960.707 b | 0.772206 b | 2.63127 b |
| JEFF-3.3 | 1300.4 b | 1300.4 b | 1302.3 b | 1.00149 | 960.707 b | 0.772206 b | 2.63127 b |
| JENDL-4.0u | 1300.4 b | 1300.4 b | 1302.3 b | 1.00149 | 960.707 b | 0.772206 b | 2.63127 b |
| TENDL-2019 | 776.498 b | 776.498 b | 764.08 b | 0.98401 | 250.817 b | 1.53247 b | 2.07492 b |

| | | |
|---------------------|--|-----------------------------------|
| << 98-Cf-252 | 98-Cf-253 | 98-Cf-254 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Cf254 production) | 98-Cf-254 MT102 (n, γ) >> |



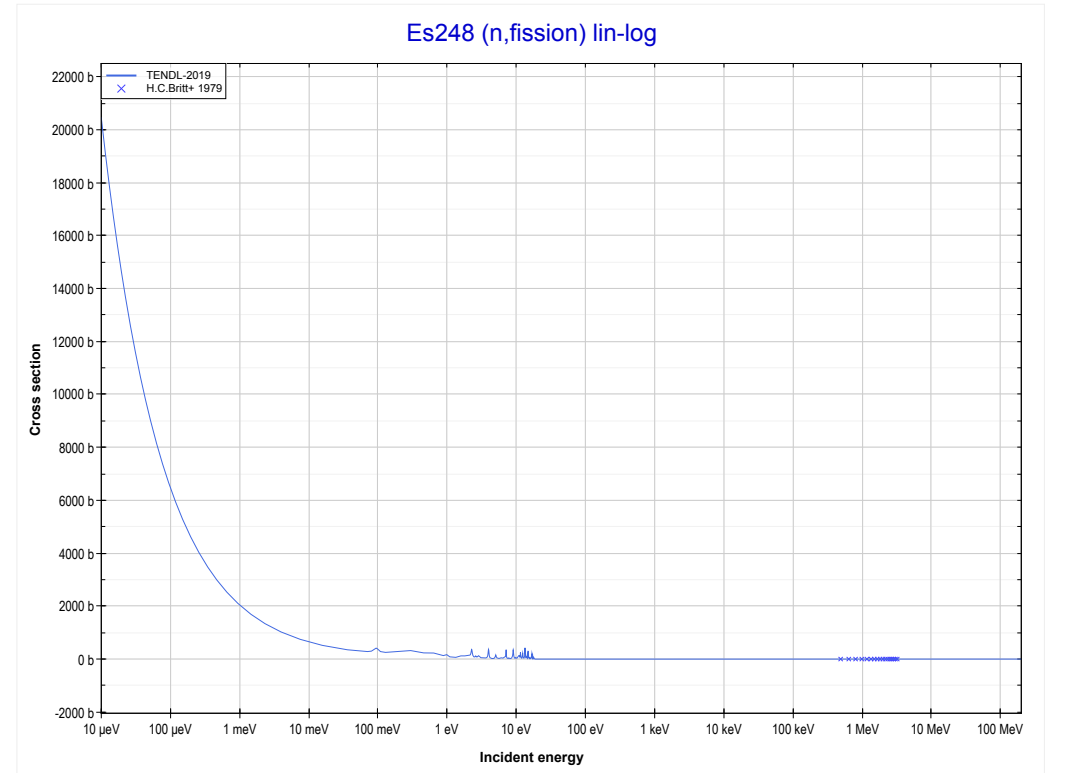
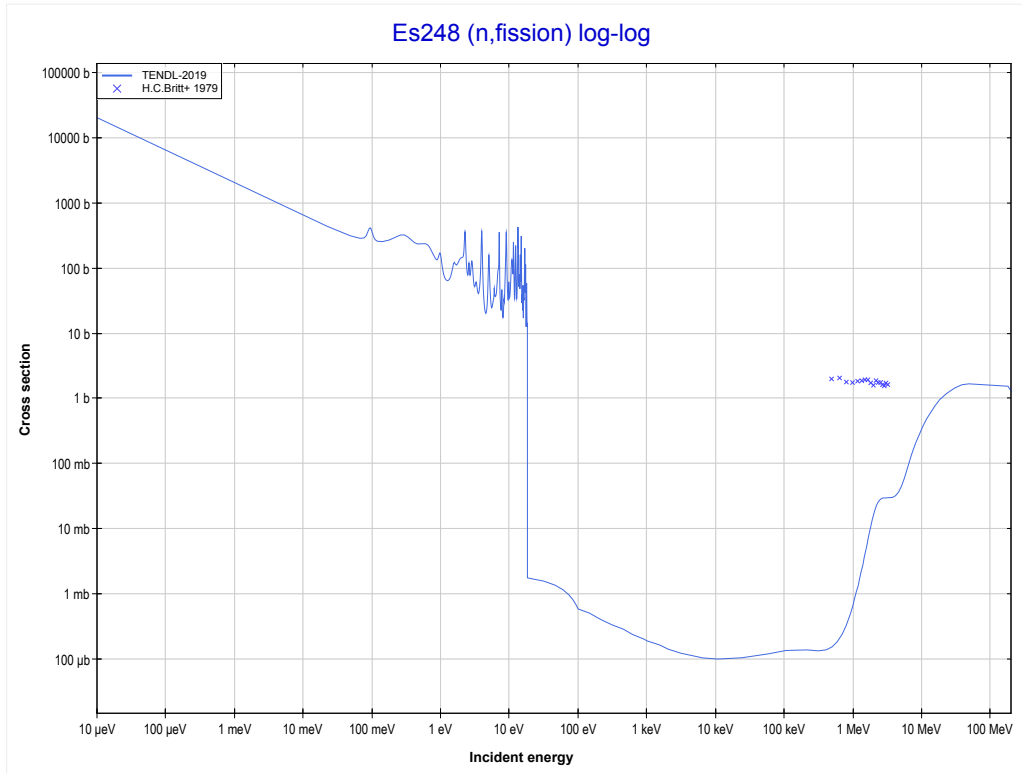
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 18.0096 b | 17.9961 b | 18.001 b | 1.00029 | 13.8618 b | 0.00128739 b | 4.76315E-4 b |
| ENDF/B-VIII.0 | 19.9975 b | 19.9975 b | 19.942 b | 0.9972 | 657.349 b | 0.0863337 b | 8.61418E-4 b |
| JEFF-3.3 | 19.9975 b | 19.9975 b | 19.942 b | 0.9972 | 657.349 b | 0.0863337 b | 8.61418E-4 b |
| JENDL-4.0u | 19.9975 b | 19.9975 b | 19.942 b | 0.9972 | 657.349 b | 0.0863337 b | 8.61418E-4 b |
| TENDL-2019 | 17.4629 b | 17.4629 b | 16.962 b | 0.97133 | 9.24552 b | 0.0650125 b | 0.00103544 b |

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|-----------------------------------|--|-------------------------------|
| << 98-Cf-253 | 98-Cf-254 | 99-Es-253 >> |
| << 98-Cf-253 MT102 (n, γ) | MT102 (n,γ) or MT5 (Cf255 production) | 99-Es-248 MT18 (n,fission) >> |



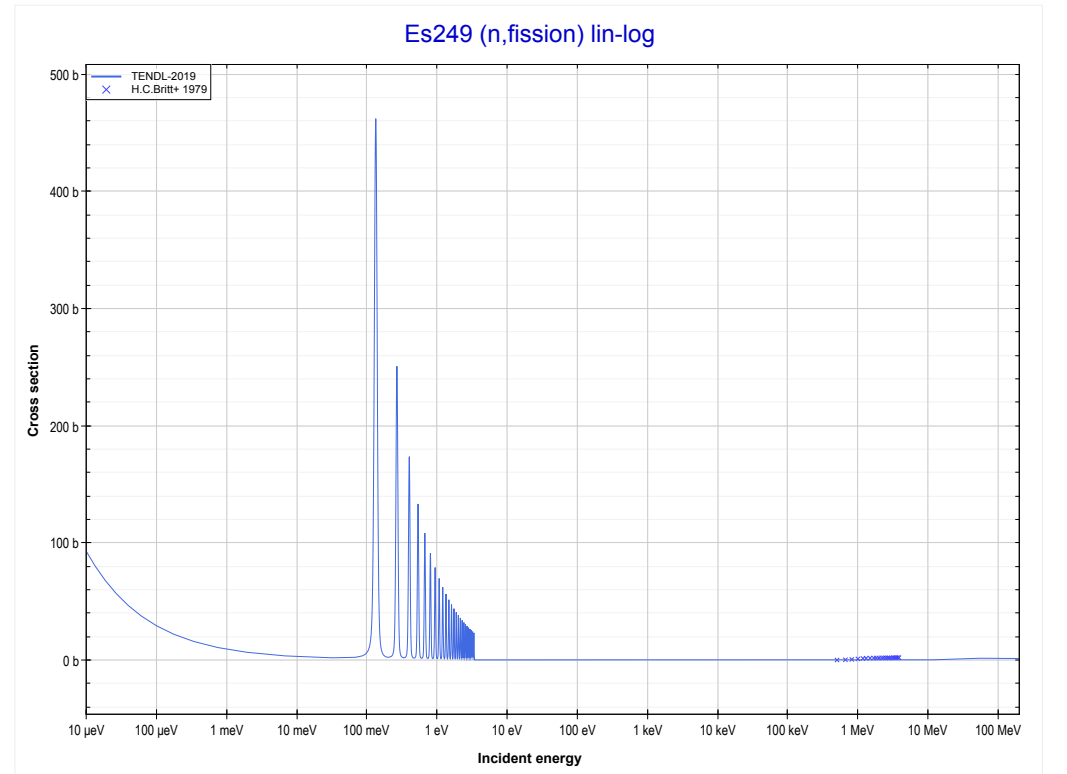
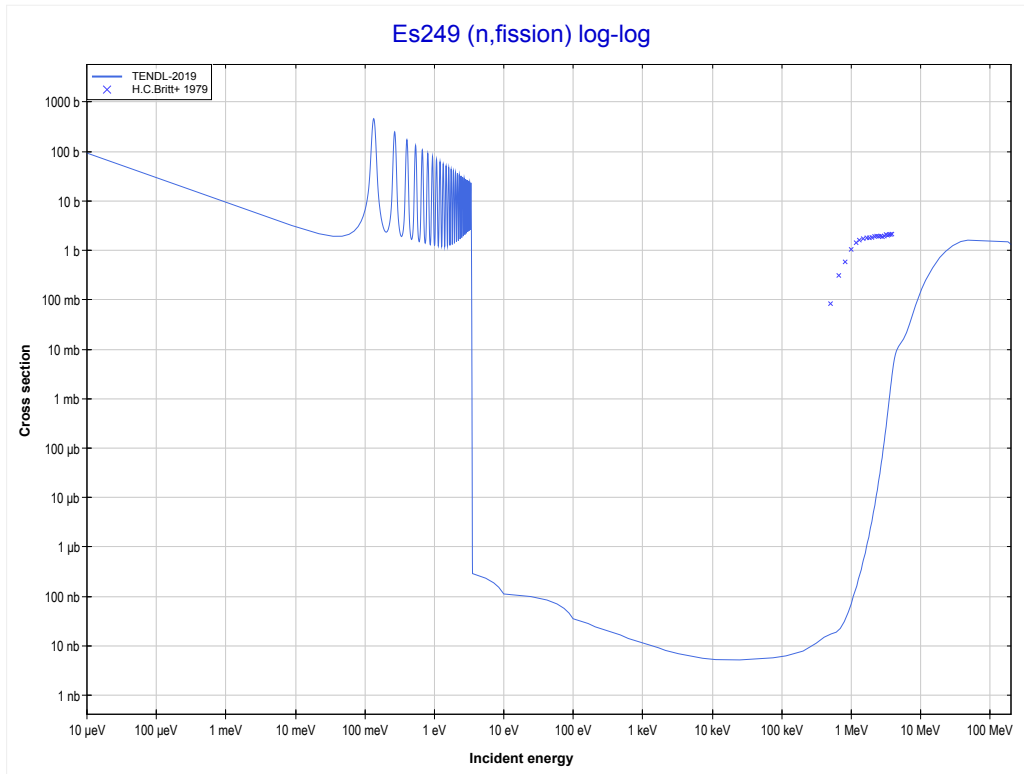
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 4.5 b | 4.49663 b | 4.4968 b | 1.00004 | 3.72329 b | 0.0079954 b | 6.07209E-4 b |
| ENDF/B-VIII.0 | 4.50143 b | 4.50143 b | 4.5083 b | 1.00153 | 37.104 b | 0.0187328 b | 7.4788E-4 b |
| JEFF-3.3 | 4.50143 b | 4.50143 b | 4.5083 b | 1.00153 | 37.104 b | 0.0187328 b | 7.4788E-4 b |
| JENDL-4.0u | 4.50143 b | 4.50143 b | 4.5083 b | 1.00153 | 37.104 b | 0.0187328 b | 7.4788E-4 b |
| TENDL-2019 | 4.48462 b | 4.48462 b | 4.4899 b | 1.00118 | 39.8317 b | 0.0383463 b | 9.11531E-4 b |

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|-----------------------------------|-------------------------|-------------------------------|
| << 98-Cf-253 | 99-Es-248 | 99-Es-249 >> |
| << 98-Cf-254 MT102 (n, γ) | MT18 (n,fission) | 99-Es-249 MT18 (n,fission) >> |



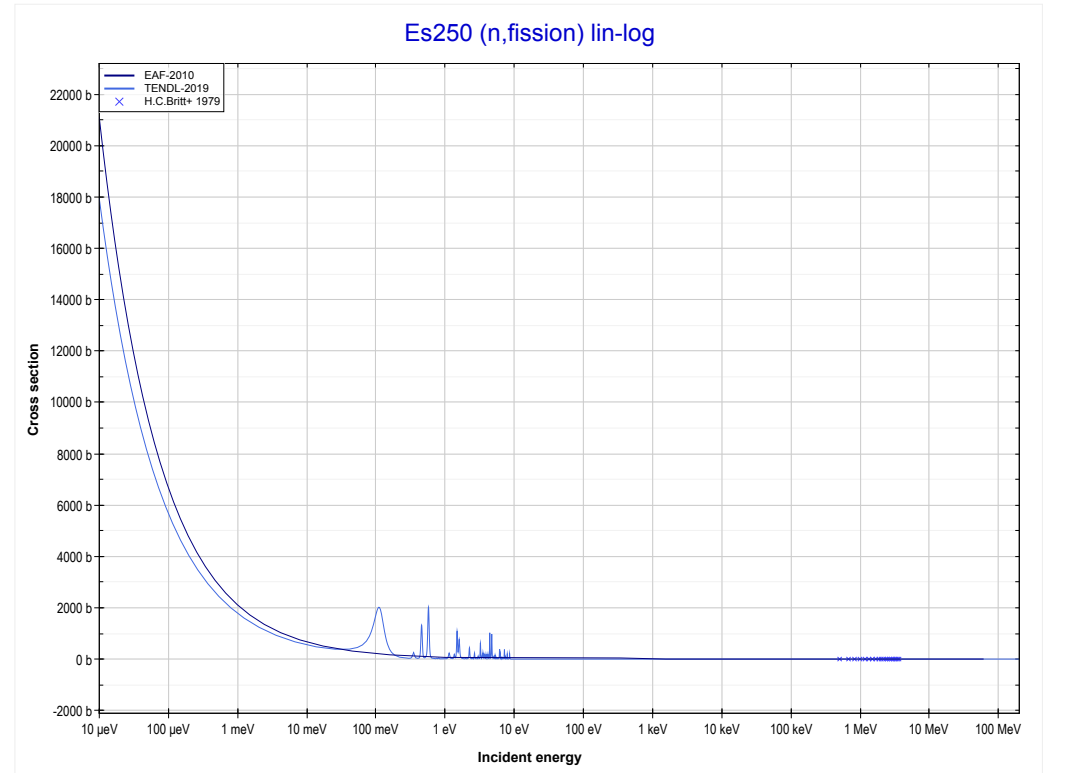
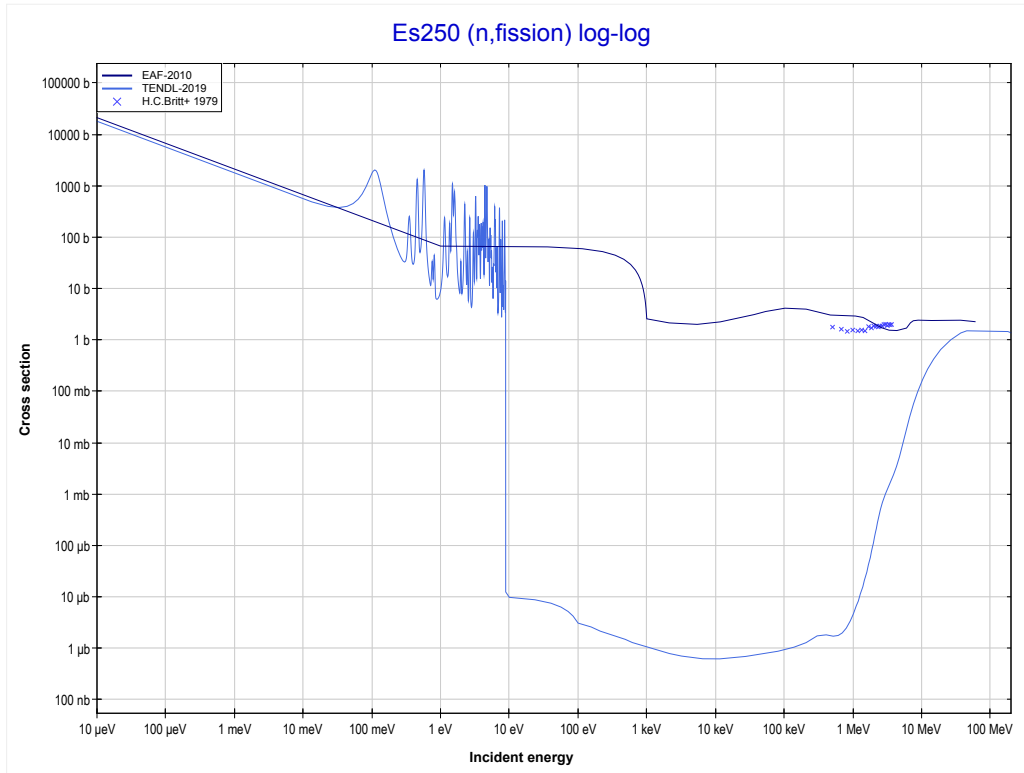
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 413.618 b | 413.618 b | 445.42 b | 1.0769 | 398.026 b | 0.0177515 b | 0.643114 b |

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|-------------------------------|-------------------------|-------------------------------|
| << 99-Es-248 | 99-Es-249 | 99-Es-250 >> |
| << 99-Es-248 MT18 (n,fission) | MT18 (n,fission) | 99-Es-250 MT18 (n,fission) >> |



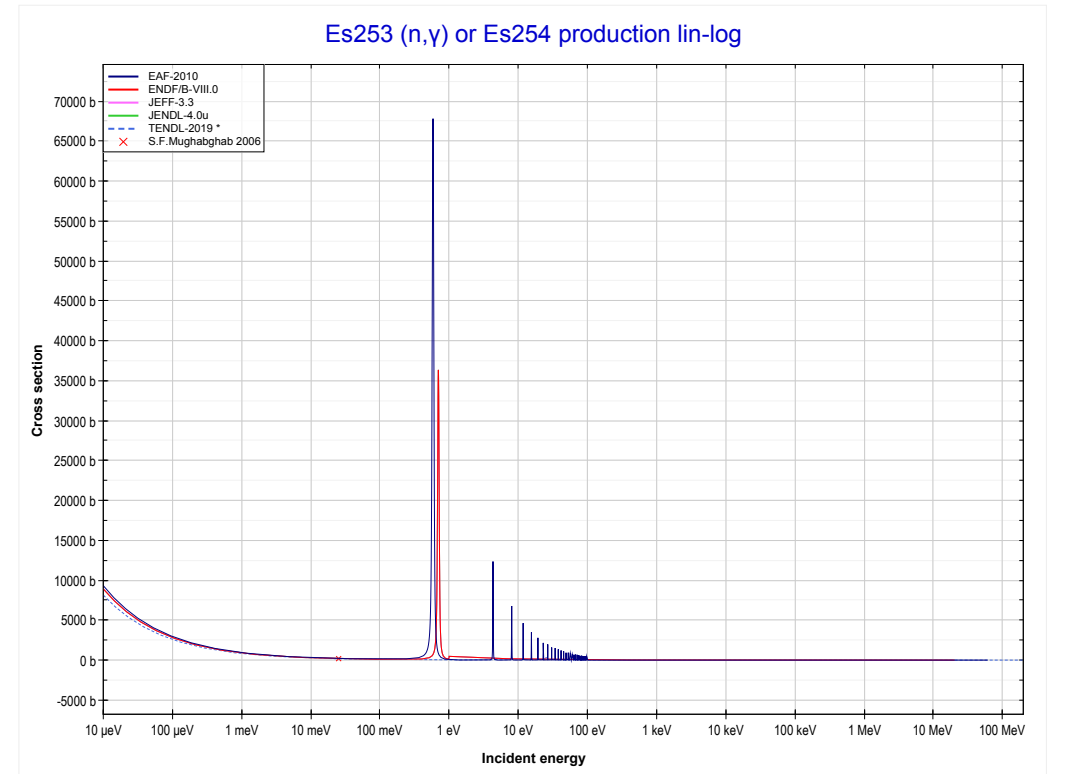
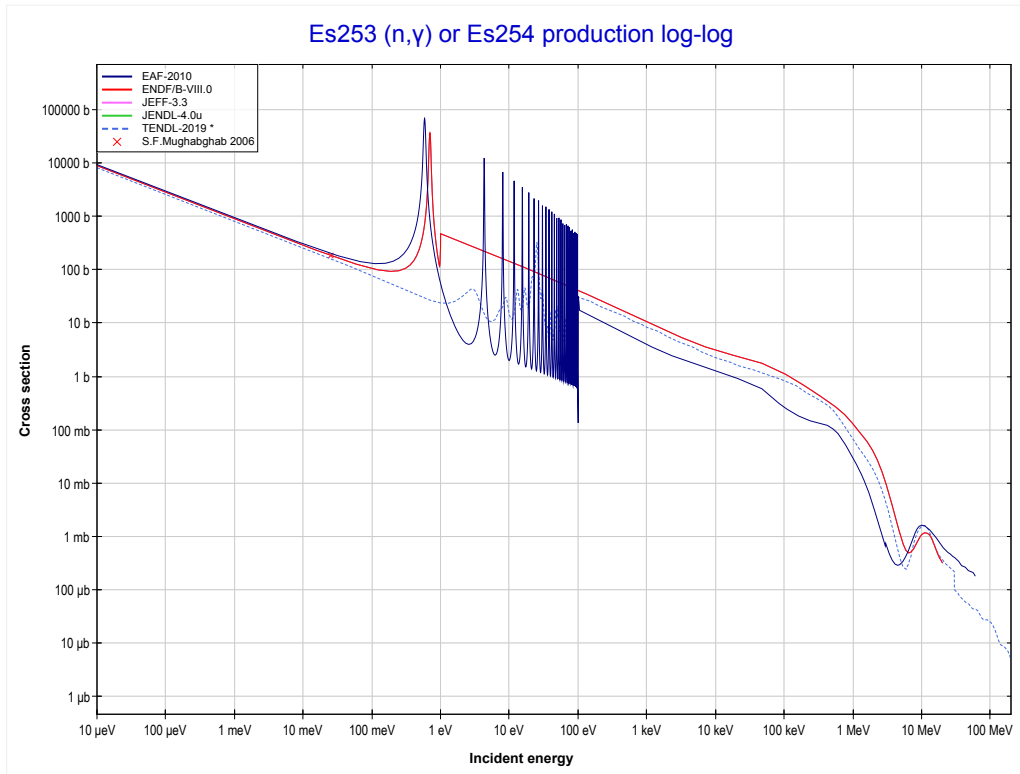
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| TENDL-2019 | 2.07163 b | 2.07163 b | 12.214 b | 5.89575 | 40.505 b | 0.00273789 b | 0.382479 b |

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|-------------------------------|-------------------------|-----------------------------------|
| << 99-Es-249 | 99-Es-250 | 99-Es-254 >> |
| << 99-Es-249 MT18 (n,fission) | MT18 (n,fission) | 99-Es-253 MT102 (n, γ) >> |



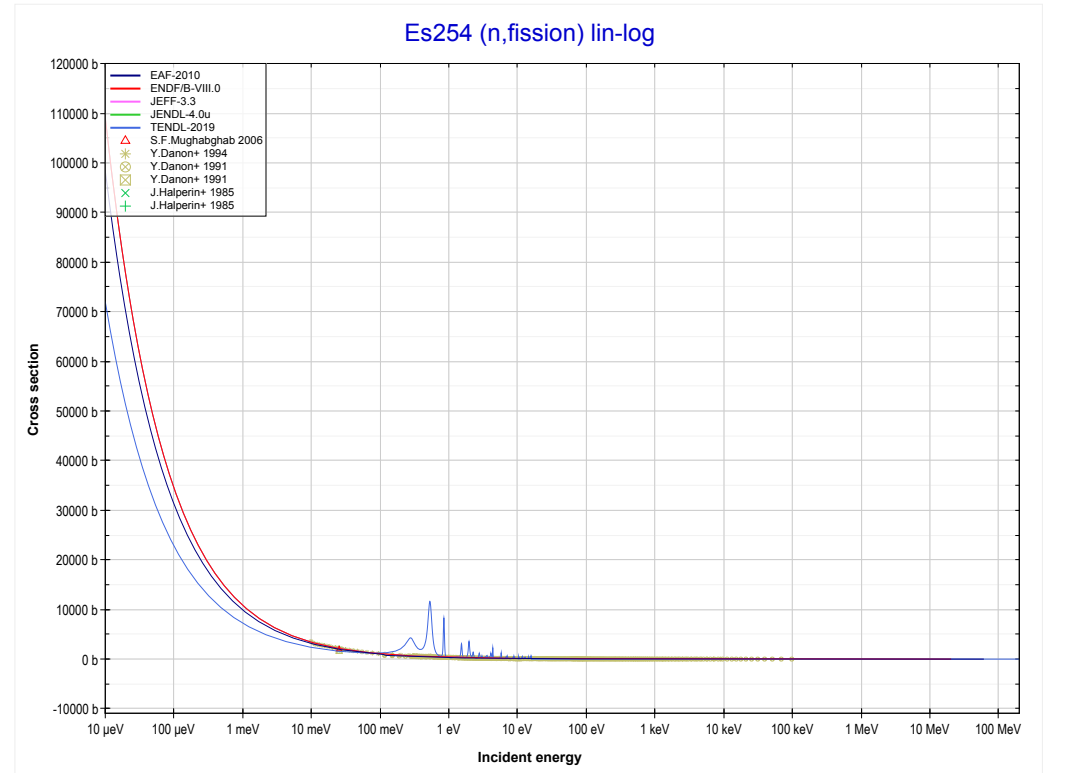
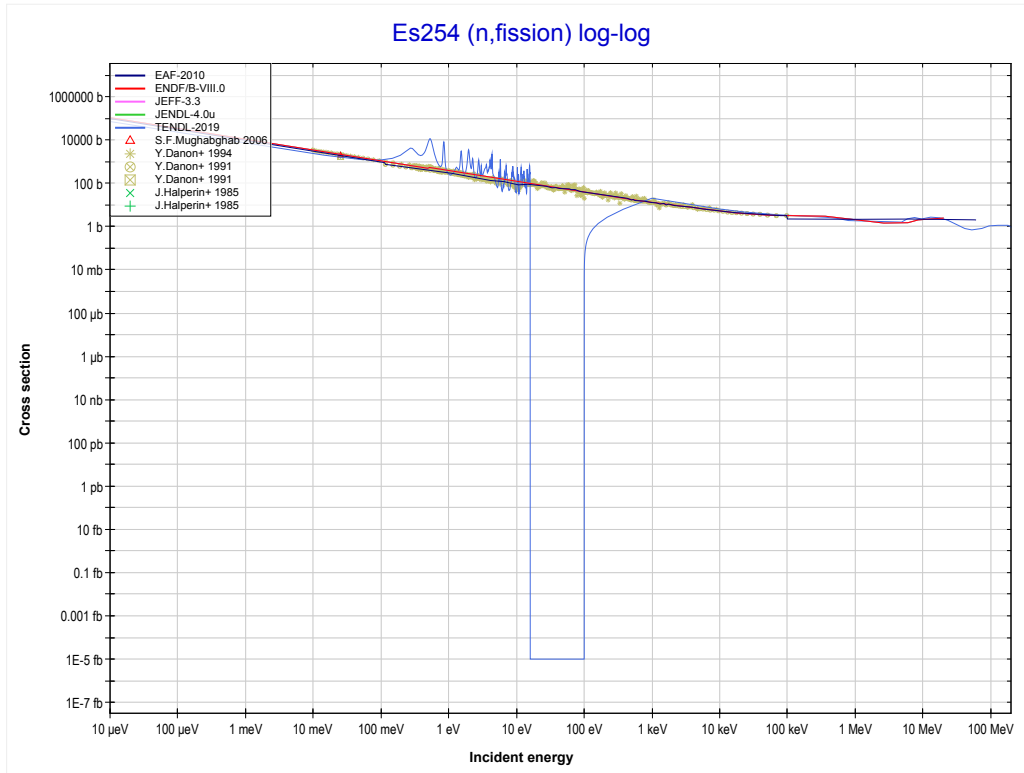
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 419.339 b | 419.025 b | 419.03 b | 1.00001 | 464.303 b | 2.44559 b | 2.37875 b |
| TENDL-2019 | 386.659 b | 386.659 b | 703.26 b | 1.81882 | 396.118 b | 0.00264352 b | 0.366659 b |

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|-------------------------------|--|-------------------------------|
| << 98-Cf-254 | 99-Es-253 | 99-Es-254 >> |
| << 99-Es-250 MT18 (n,fission) | MT102 (n,γ) or MT5 (Es254 production) | 99-Es-254 MT18 (n,fission) >> |



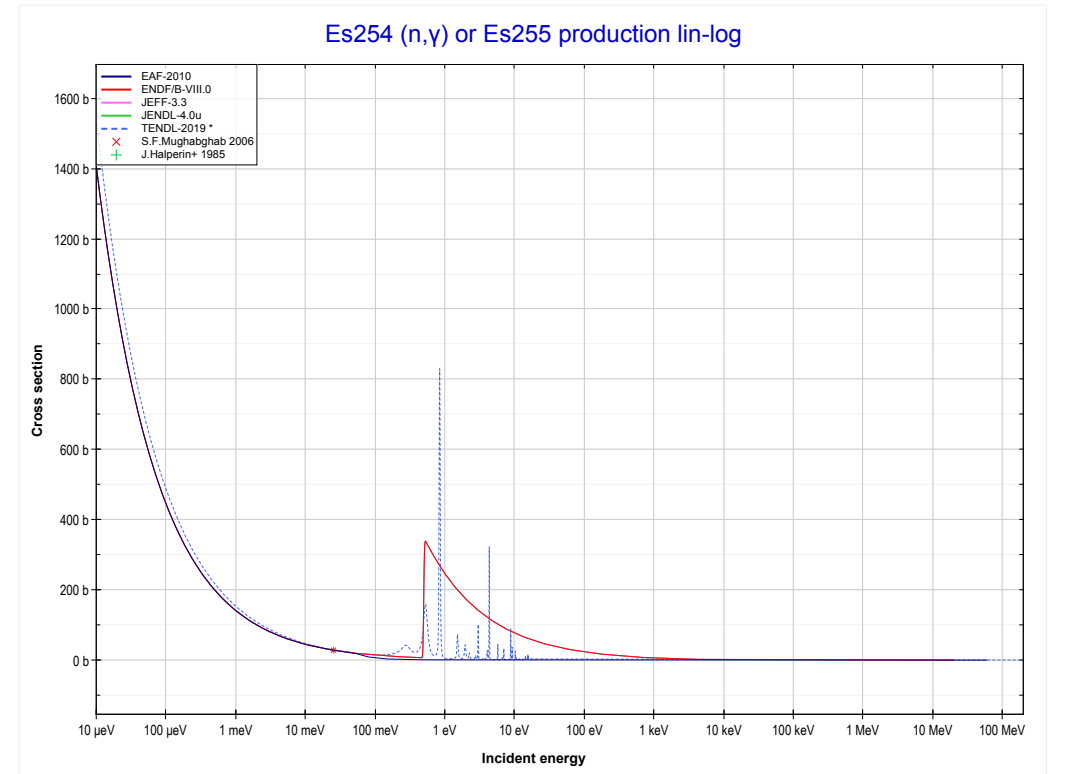
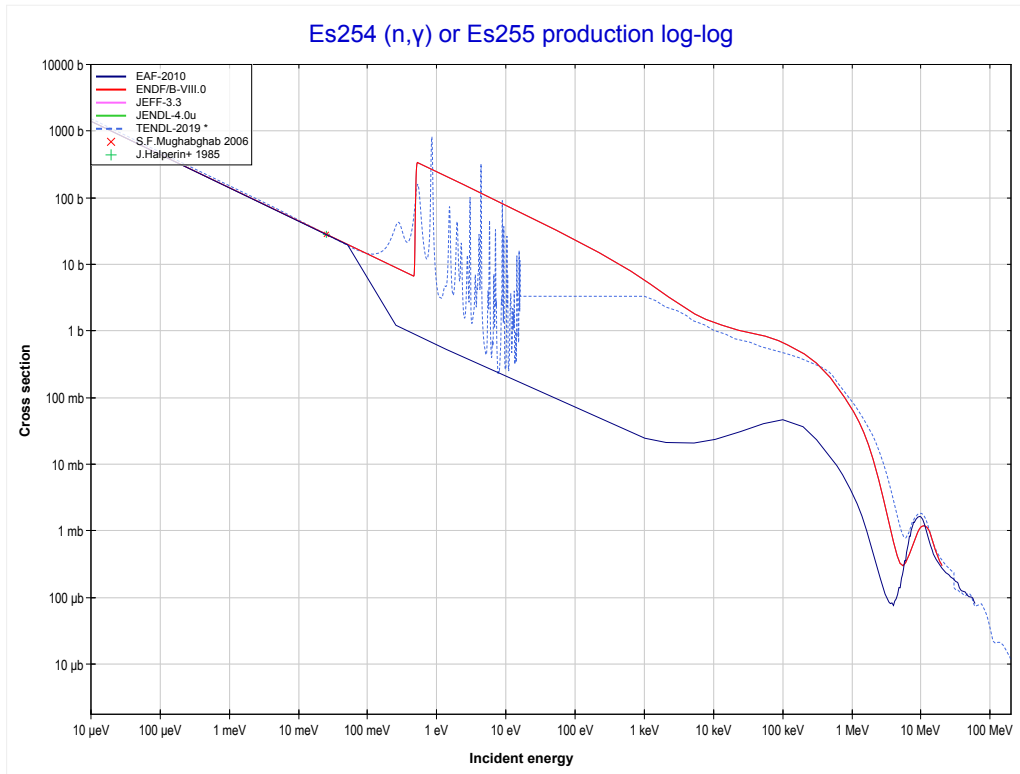
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 201.19 b | 201.068 b | 211.59 b | 1.05247 | 6302.48 b | 0.0401538 b | 0.0012054 b |
| ENDF/B-VIII.0 | 183.91 b | 183.91 b | 188.33 b | 1.02404 | 3823.98 b | 0.149161 b | 9.22828E-4 b |
| JEFF-3.3 | 183.91 b | 183.91 b | 188.33 b | 1.02404 | 3823.98 b | 0.149161 b | 9.22828E-4 b |
| JENDL-4.0u | 183.91 b | 183.91 b | 188.33 b | 1.02404 | 3823.98 b | 0.149161 b | 9.22828E-4 b |
| TENDL-2019 | 160.228 b | 160.228 b | 159.42 b | 0.99498 | 208.529 b | 0.103128 b | 9.27986E-4 b |

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|--------------------------|-------------------------|----------------|
| << 99-Es-250 | 99-Es-254 | 99-Es-254m >> |
| << 99-Es-253 MT102 (n,γ) | MT18 (n,fission) | MT102 (n,γ) >> |



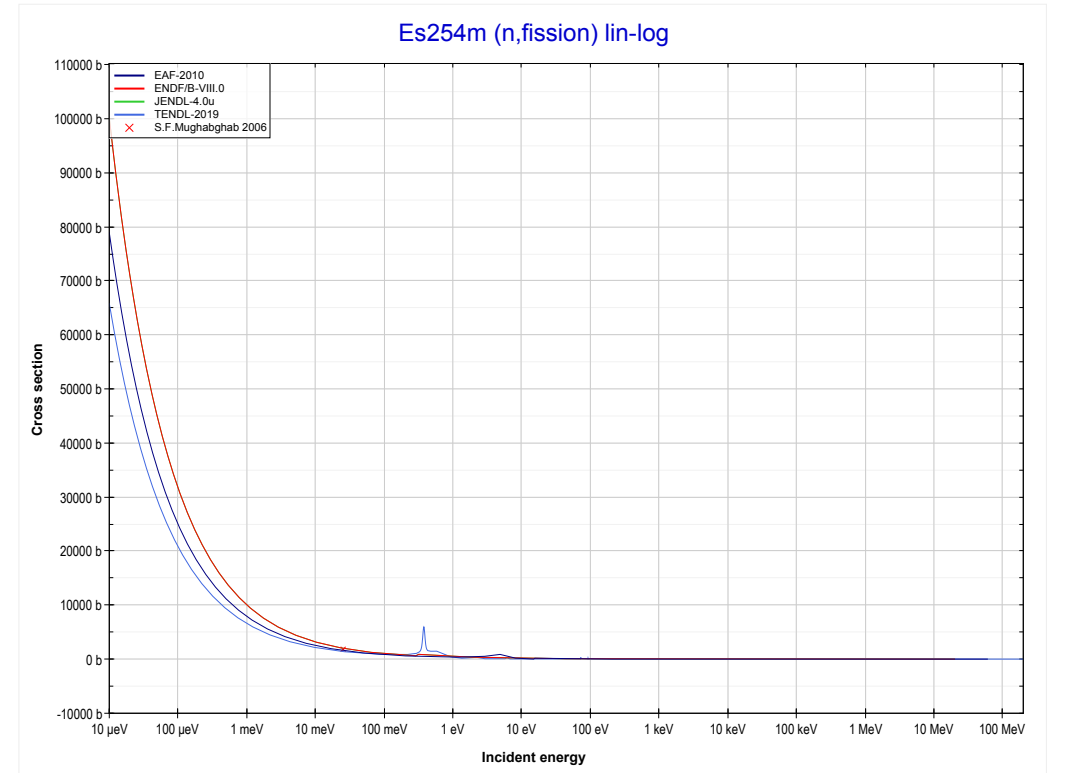
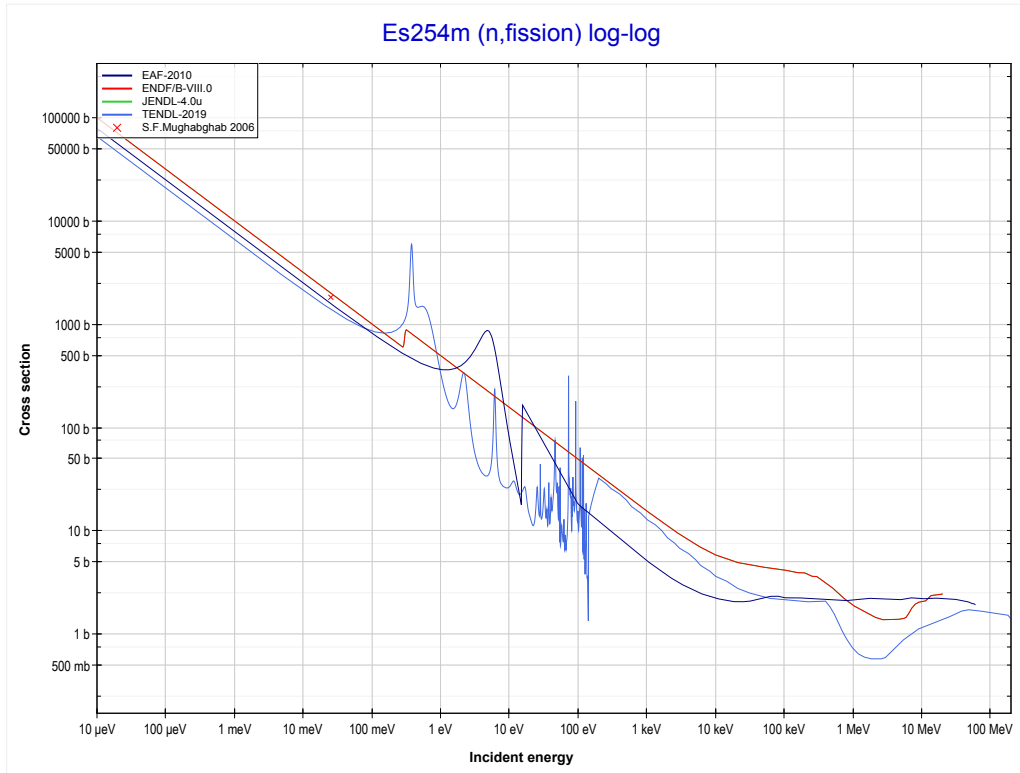
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1966.5 b | 1965.07 b | 1957 b | 0.99591 | 893.108 b | 2.20142 b | 2.229 b |
| ENDF/B-VIII.0 | 2128.85 b | 2128.85 b | 2132.9 b | 1.00191 | 1111.62 b | 1.94864 b | 2.37904 b |
| JEFF-3.3 | 2128.85 b | 2128.85 b | 2132.9 b | 1.00191 | 1111.62 b | 1.94864 b | 2.37904 b |
| JENDL-4.0u | 2128.85 b | 2128.85 b | 2132.9 b | 1.00191 | 1111.62 b | 1.94864 b | 2.37904 b |
| TENDL-2019 | 1576.88 b | 1576.88 b | 1730.7 b | 1.09755 | 3610.59 b | 1.96408 b | 2.74189 b |

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|---------------------|--|--------------------------------|
| << 99-Es-253 | 99-Es-254 | 99-Es-255 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Es255 production) | 99-Es-254m MT18 (n,fission) >> |



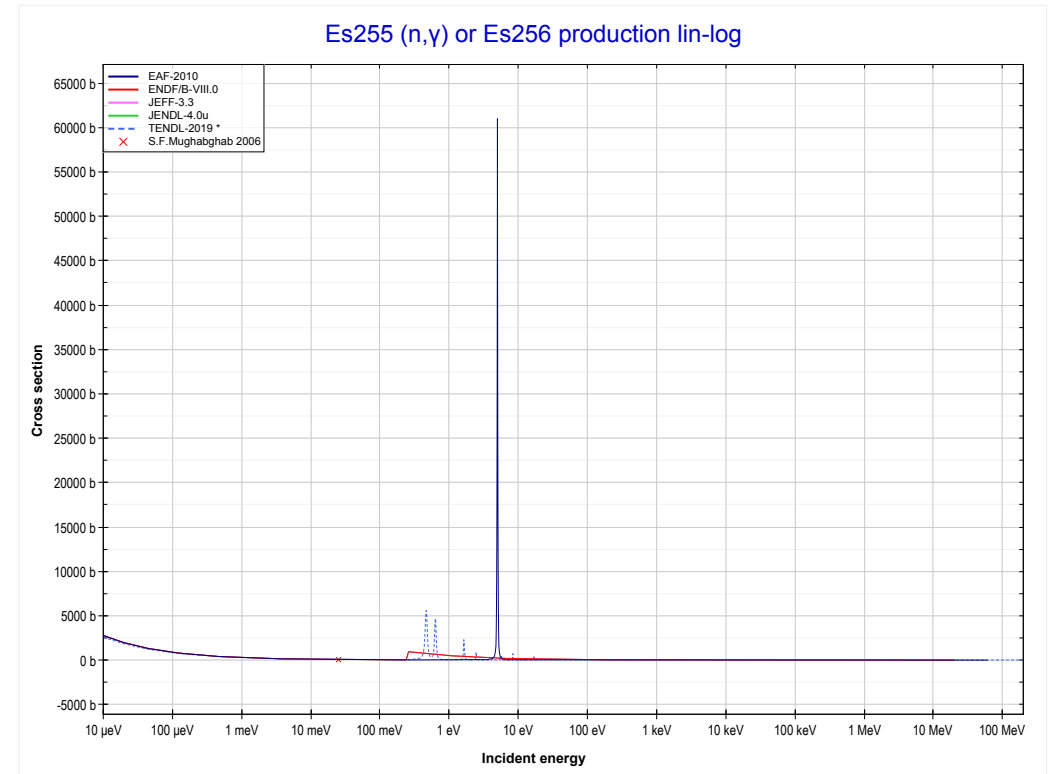
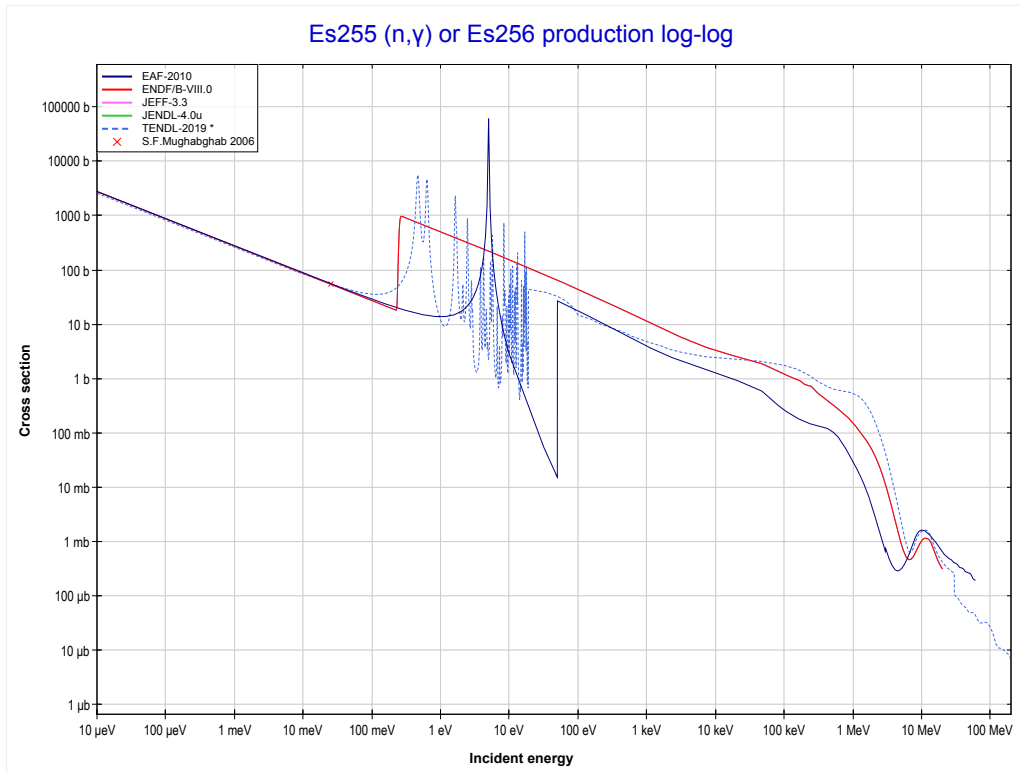
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 28 b | 27.979 b | 25.489 b | 0.91099 | 1.91217 b | 0.00548946 b | 5.71432E-4 b |
| ENDF/B-VIII.0 | 28.3067 b | 28.3067 b | 28.318 b | 1.00041 | 682.17 b | 0.0869529 b | 8.36963E-4 b |
| JEFF-3.3 | 28.3067 b | 28.3067 b | 28.318 b | 1.00041 | 682.17 b | 0.0869529 b | 8.36963E-4 b |
| JENDL-4.0u | 28.3067 b | 28.3067 b | 28.318 b | 1.00041 | 682.17 b | 0.0869529 b | 8.36963E-4 b |
| TENDL-2019 | 28.2094 b | 28.2094 b | 28.578 b | 1.01307 | 114.993 b | 0.0914388 b | 8.41726E-4 b |

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|-----------------------------------|-------------------------|-----------------------------------|
| << 99-Es-254 | 99-Es-254m | 100-Fm-255 >> |
| << 99-Es-254 MT102 (n, γ) | MT18 (n,fission) | 99-Es-255 MT102 (n, γ) >> |



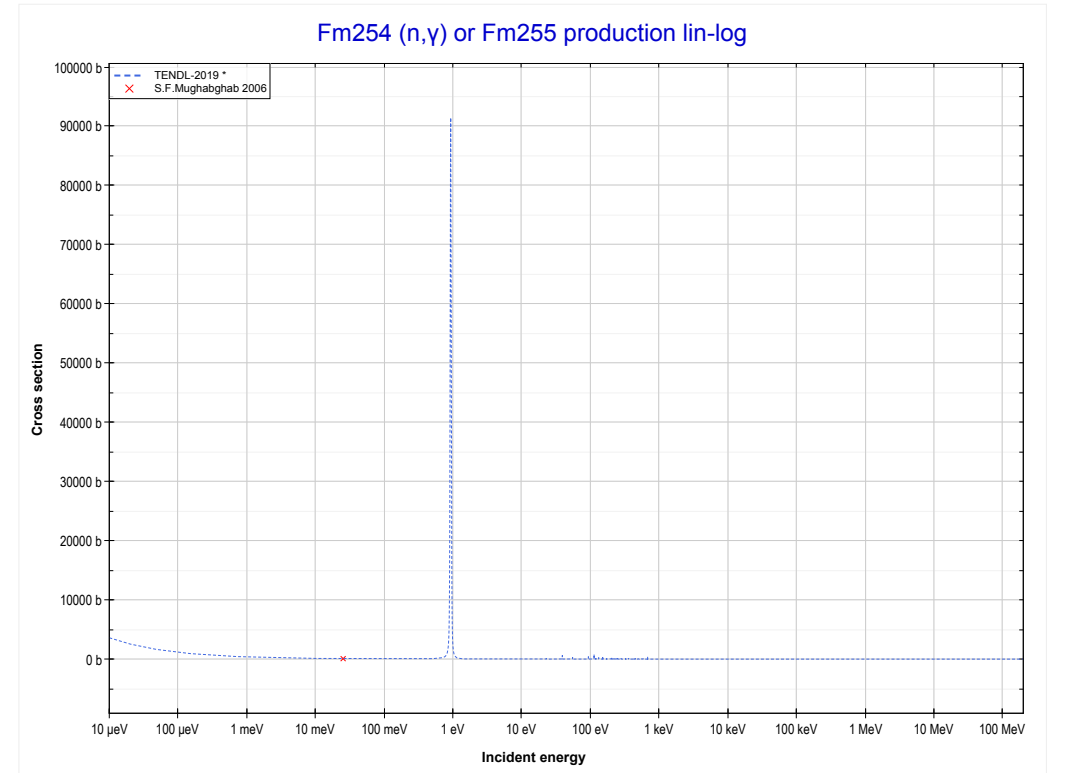
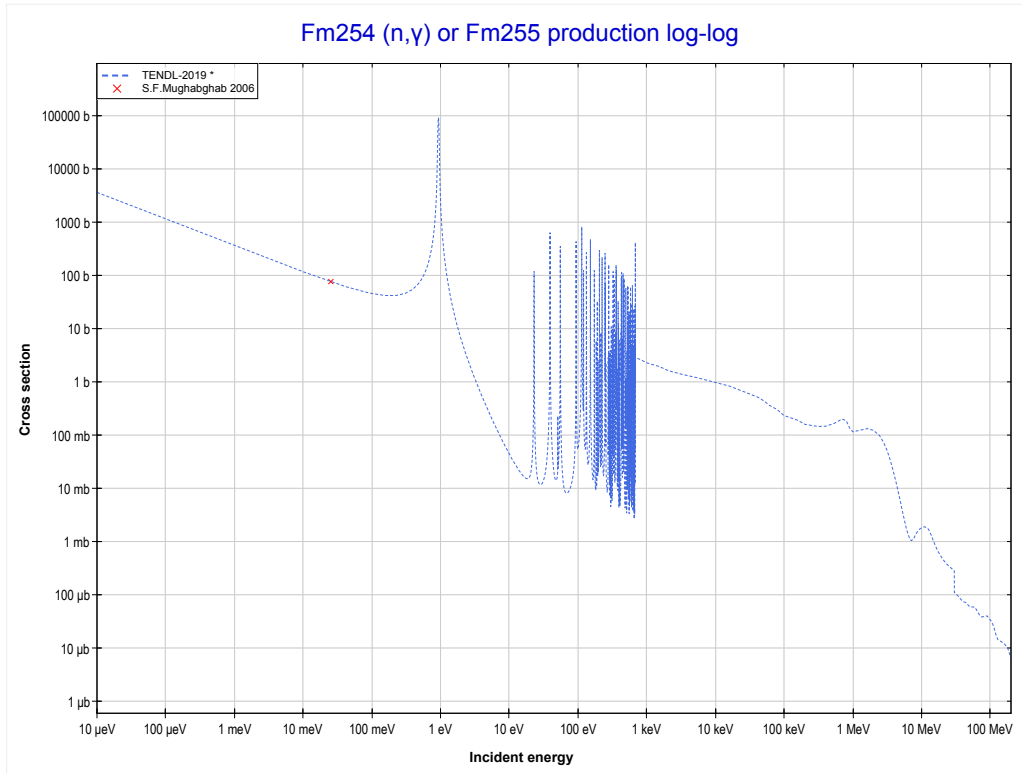
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 1584.29 b | 1583.12 b | 1591.3 b | 1.00519 | 1539.88 b | 2.18263 b | 2.229 b |
| ENDF/B-VIII.0 | 2000.31 b | 2000.31 b | 2000.3 b | 1.00001 | 1415.64 b | 1.93589 b | 2.37675 b |
| JENDL-4.0u | 2000.31 b | 2000.31 b | 2000.3 b | 1.00001 | 1415.64 b | 1.93589 b | 2.37675 b |
| TENDL-2019 | 1394.14 b | 1394.14 b | 1449.8 b | 1.03989 | 1101.07 b | 0.918985 b | 1.26752 b |

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|--------------------------------|--|------------------------------------|
| << 99-Es-254 | 99-Es-255 | 100-Fm-254 >> |
| << 99-Es-254m MT18 (n,fission) | MT102 (n,γ) or MT5 (Es256 production) | 100-Fm-254 MT102 (n, γ) >> |



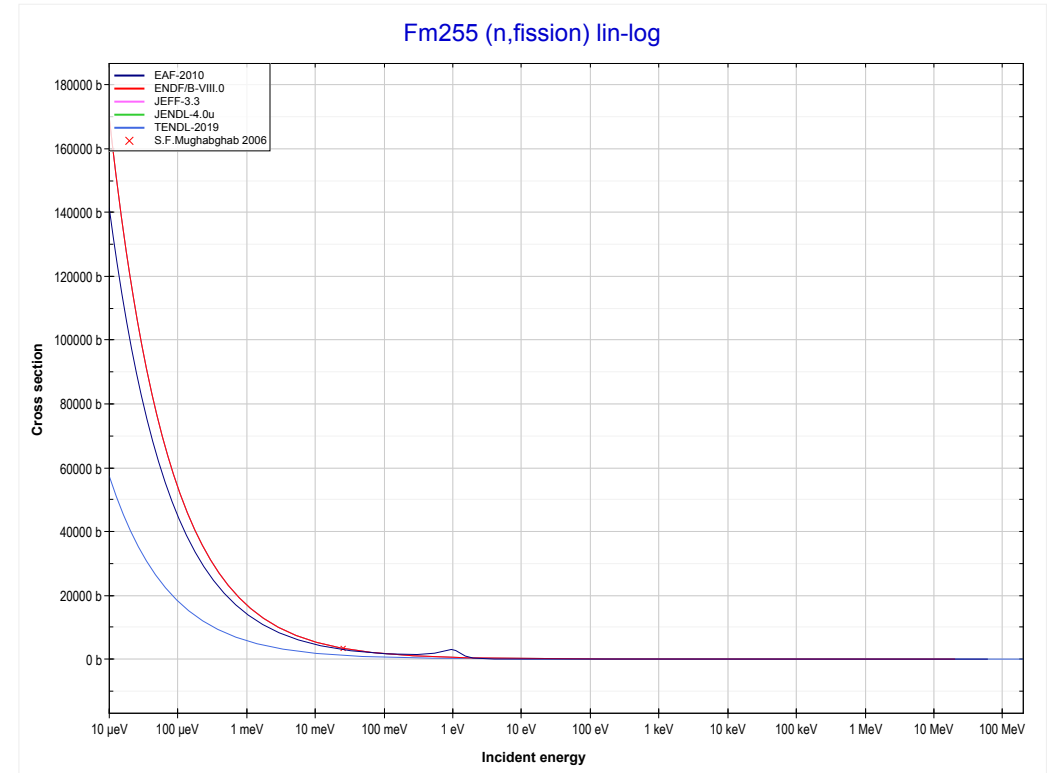
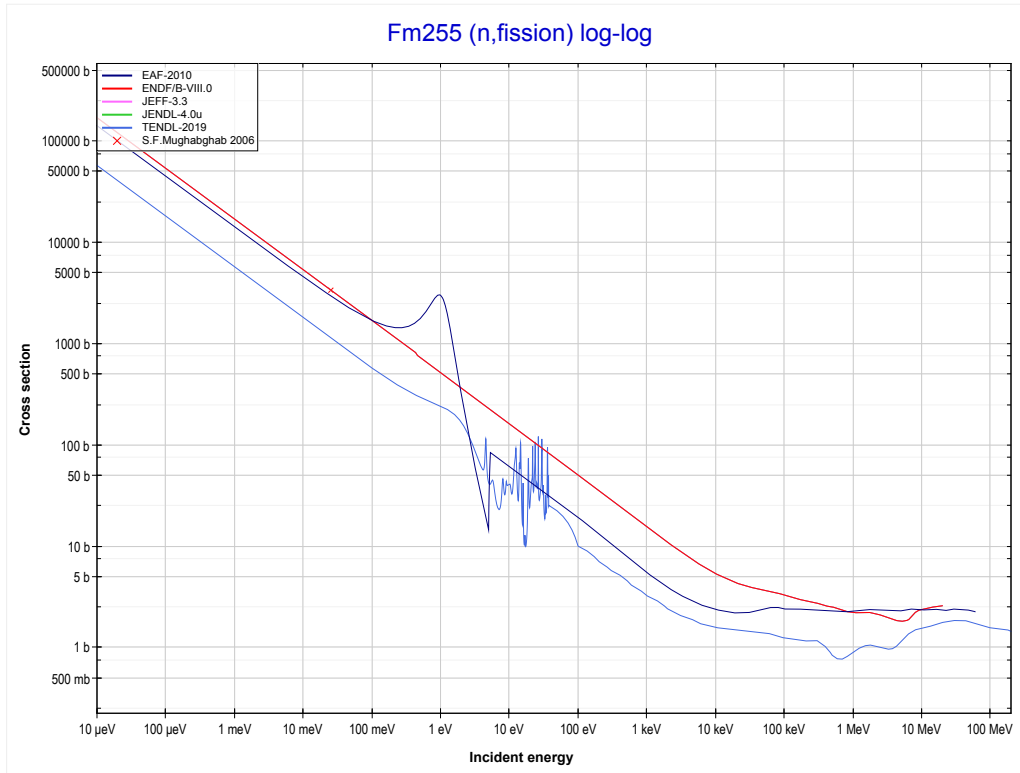
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 55.6109 b | 55.5698 b | 55.903 b | 1.00601 | 1839.75 b | 0.0401538 b | 0.0012054 b |
| ENDF/B-VIII.0 | 54.9891 b | 54.9891 b | 55.411 b | 1.00768 | 1385.92 b | 0.170487 b | 8.97729E-4 b |
| JEFF-3.3 | 54.9891 b | 54.9891 b | 55.411 b | 1.00768 | 1385.92 b | 0.170487 b | 8.97729E-4 b |
| JENDL-4.0u | 54.9891 b | 54.9891 b | 55.411 b | 1.00768 | 1385.92 b | 0.170487 b | 8.97729E-4 b |
| TENDL-2019 | 54.8195 b | 54.8195 b | 57.672 b | 1.05204 | 743.921 b | 0.380341 b | 0.00111861 b |

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|-----------------------------------|--|--------------------------------|
| << 99-Es-255 | 100-Fm-254 | 100-Fm-255 >> |
| << 99-Es-255 MT102 (n, γ) | MT102 (n,γ) or MT5 (Fm255 production) | 100-Fm-255 MT18 (n,fission) >> |



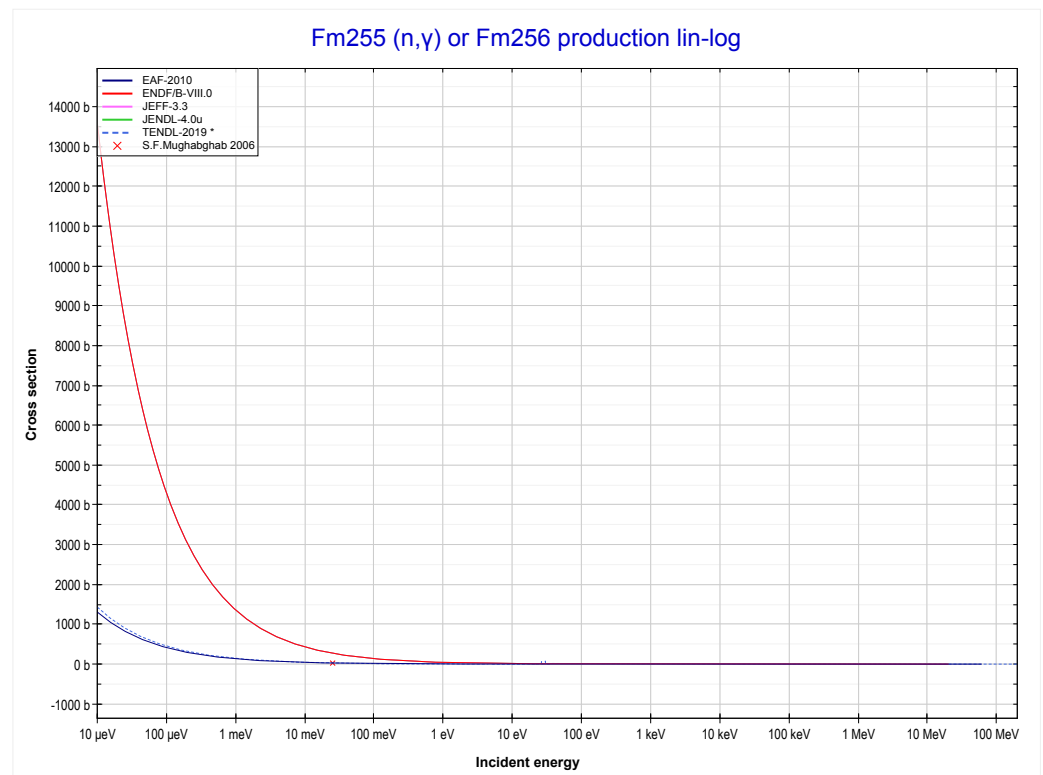
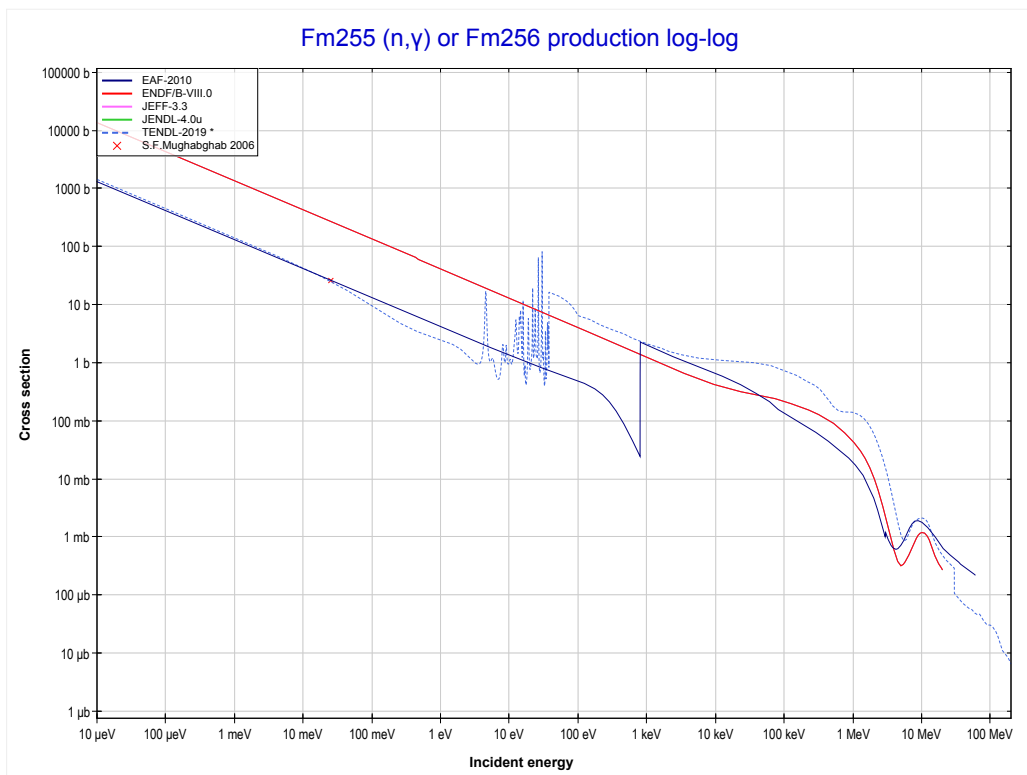
| | |
|--------------------------|----------------|
| Reaction | Q-Value |
| Fm254(n, γ)Fm255 | 5174.12 keV |

| | | |
|------------------------------------|-------------------------|-------------------------|
| << 99-Es-254m | 100-Fm-255 | 100-Fm-257 >> |
| << 100-Fm-254 MT102 (n, γ) | MT18 (n,fission) | MT102 (n, γ) >> |



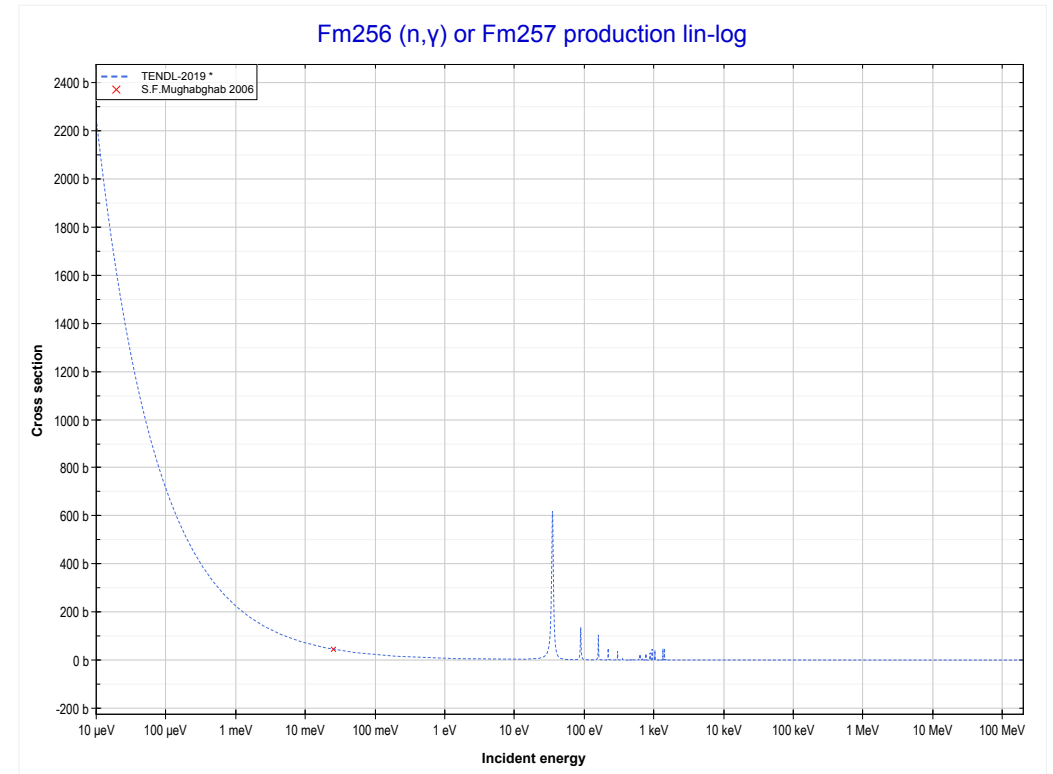
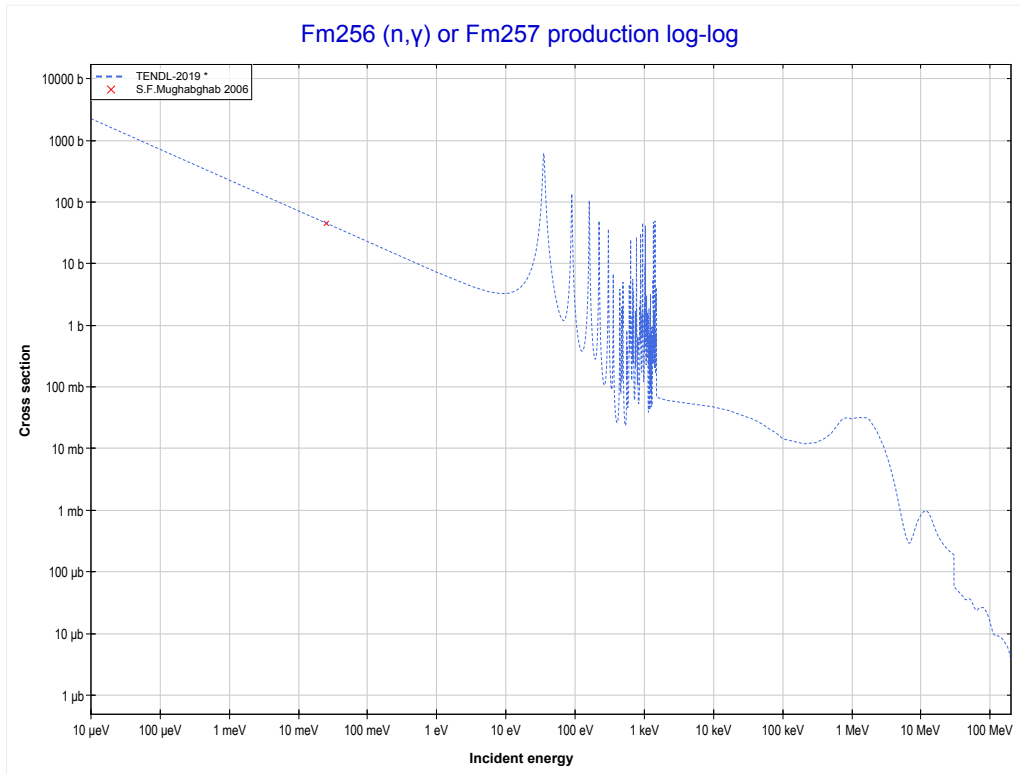
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 2946.34 b | 2944.28 b | 3014 b | 1.02374 | 2941.82 b | 2.32541 b | 2.3748 b |
| ENDF/B-VIII.0 | 3361.09 b | 3361.09 b | 3365.1 b | 1.00121 | 1449.3 b | 2.23196 b | 2.4976 b |
| JEFF-3.3 | 3361.09 b | 3361.09 b | 3365.1 b | 1.00121 | 1449.3 b | 2.23196 b | 2.4976 b |
| JENDL-4.0u | 3361.09 b | 3361.09 b | 3365.1 b | 1.00121 | 1449.3 b | 2.23196 b | 2.4976 b |
| TENDL-2019 | 1134.55 b | 1134.55 b | 1136.2 b | 1.00145 | 539.89 b | 1.00437 b | 1.63532 b |

| | | |
|---------------------|--|------------------------------------|
| << 100-Fm-254 | 100-Fm-255 | 100-Fm-256 >> |
| << MT18 (n,fission) | MT102 (n,γ) or MT5 (Fm256 production) | 100-Fm-256 MT102 (n, γ) >> |



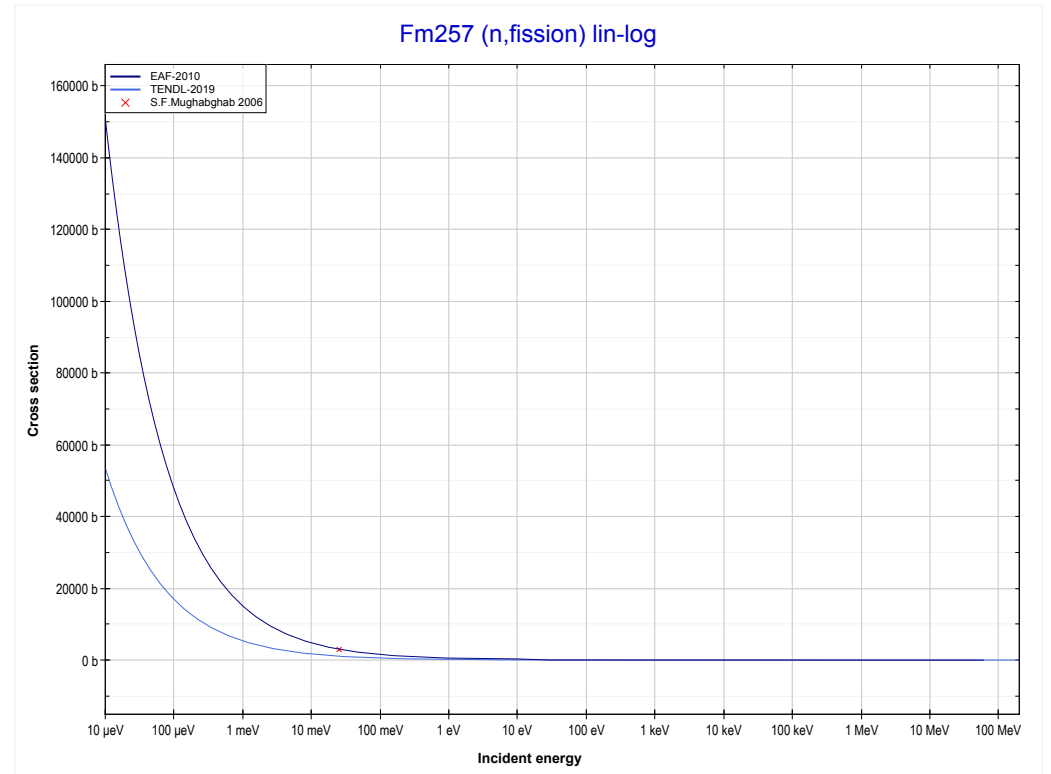
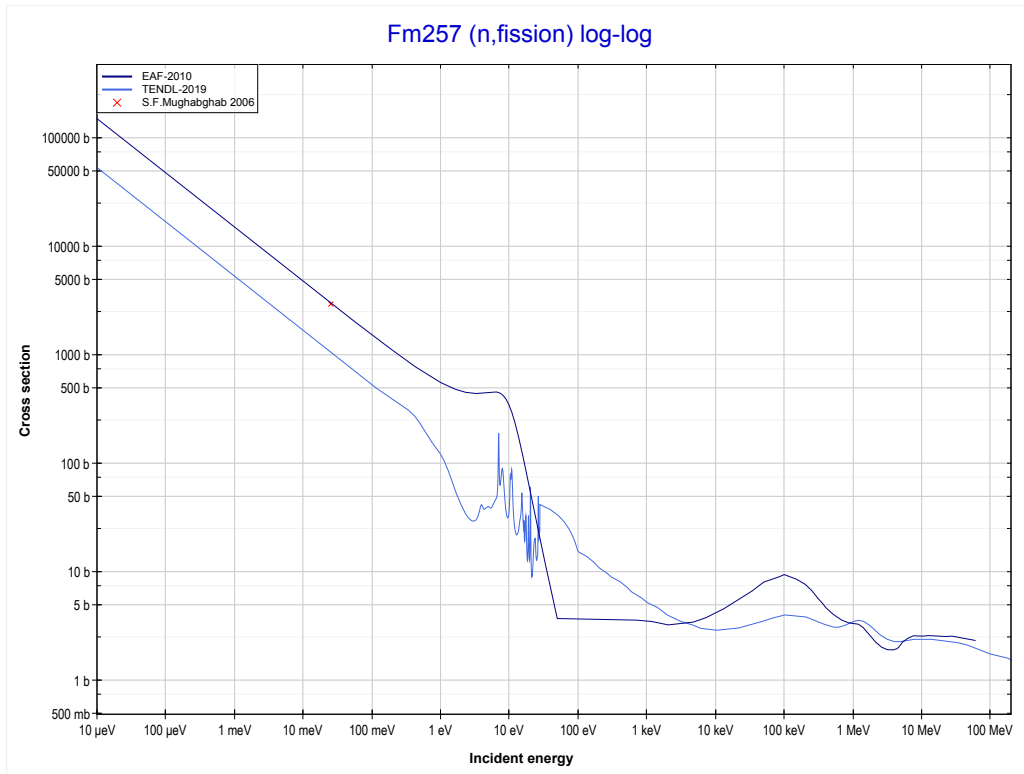
| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|---------------|---------------|---------------|------------------|----------|---------------|------------------|--------------|
| EAF-2010 | 26.0019 b | 25.9824 b | 25.983 b | 1.00004 | 15.5626 b | 0.0204073 b | 0.0012057 b |
| ENDF/B-VIII.0 | 270.067 b | 270.067 b | 270.19 b | 1.00046 | 116.072 b | 0.0403101 b | 6.73776E-4 b |
| JEFF-3.3 | 270.067 b | 270.067 b | 270.19 b | 1.00046 | 116.072 b | 0.0403101 b | 6.73776E-4 b |
| JENDL-4.0u | 270.067 b | 270.067 b | 270.19 b | 1.00046 | 116.072 b | 0.0403101 b | 6.73776E-4 b |
| TENDL-2019 | 24.9712 b | 24.9712 b | 24.062 b | 0.9636 | 36.9664 b | 0.123716 b | 0.00116791 b |

| | | |
|------------------------------------|--|--------------------------------|
| << 100-Fm-255 | 100-Fm-256 | |
| << 100-Fm-255 MT102 (n, γ) | MT102 (n,γ) or MT5 (Fm257 production) | 100-Fm-257 MT18 (n,fission) >> |



| Reaction | Q-Value |
|--------------------------|-------------|
| Fm256(n, γ)Fm257 | 4968.32 keV |

| | | |
|------------------------------------|-------------------------|--|
| << 100-Fm-255 | 100-Fm-257 | |
| << 100-Fm-256 MT102 (n, γ) | MT18 (n,fission) | |



| Library | Sig(2200 m/s) | Sig(25.3 meV) | Avg-Sig(thermal) | g-factor | Res. Integral | Avg-Sig(fission) | Sig(14 MeV) |
|------------|---------------|---------------|------------------|----------|---------------|------------------|-------------|
| EAF-2010 | 3012.57 b | 3010.33 b | 3017.3 b | 1.00232 | 1677.25 b | 3.18306 b | 2.57536 b |
| TENDL-2019 | 1058.32 b | 1058.32 b | 1058.8 b | 1.00044 | 350.086 b | 3.03174 b | 2.40016 b |