Program Complot
(Version 2021-1)
by
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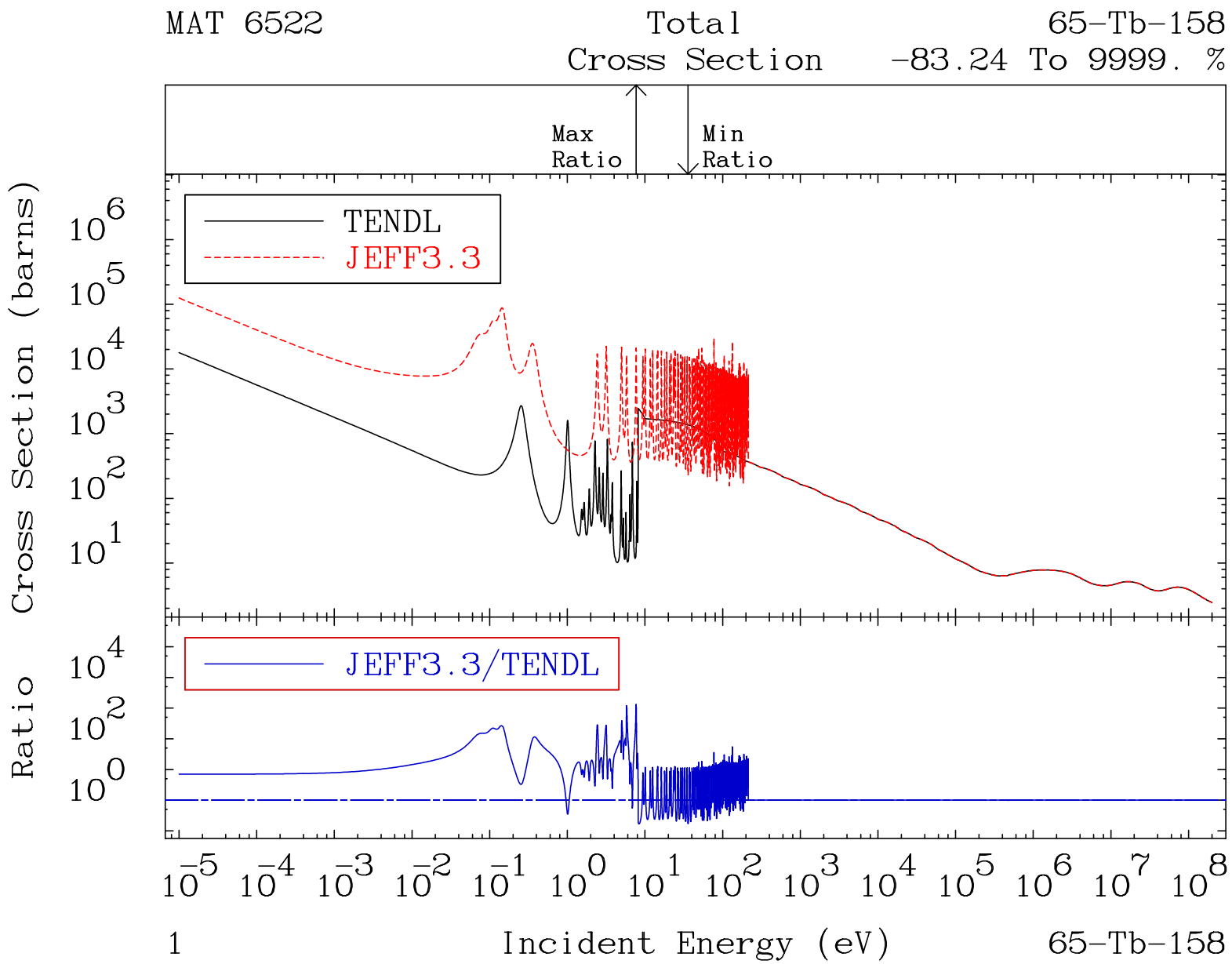
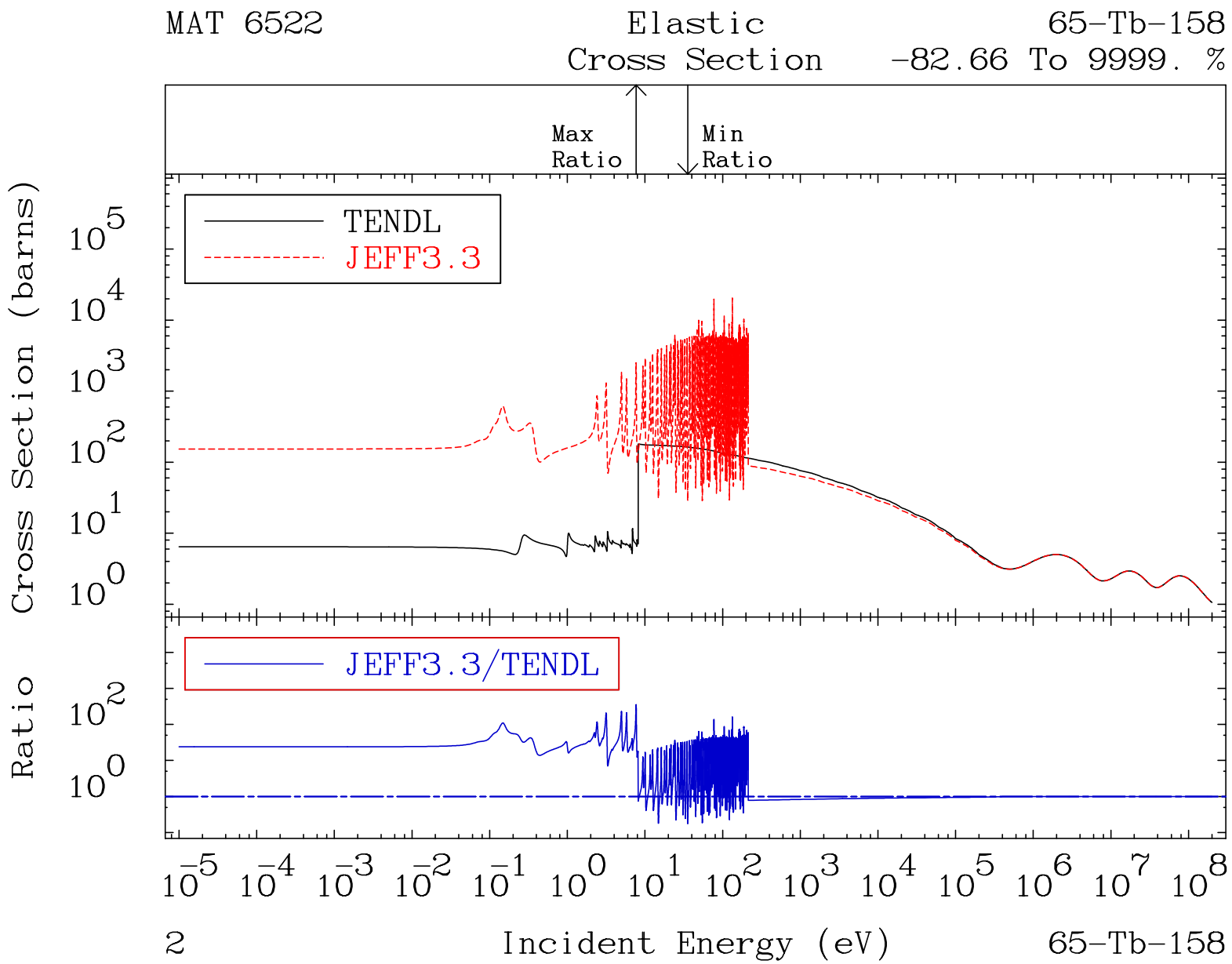
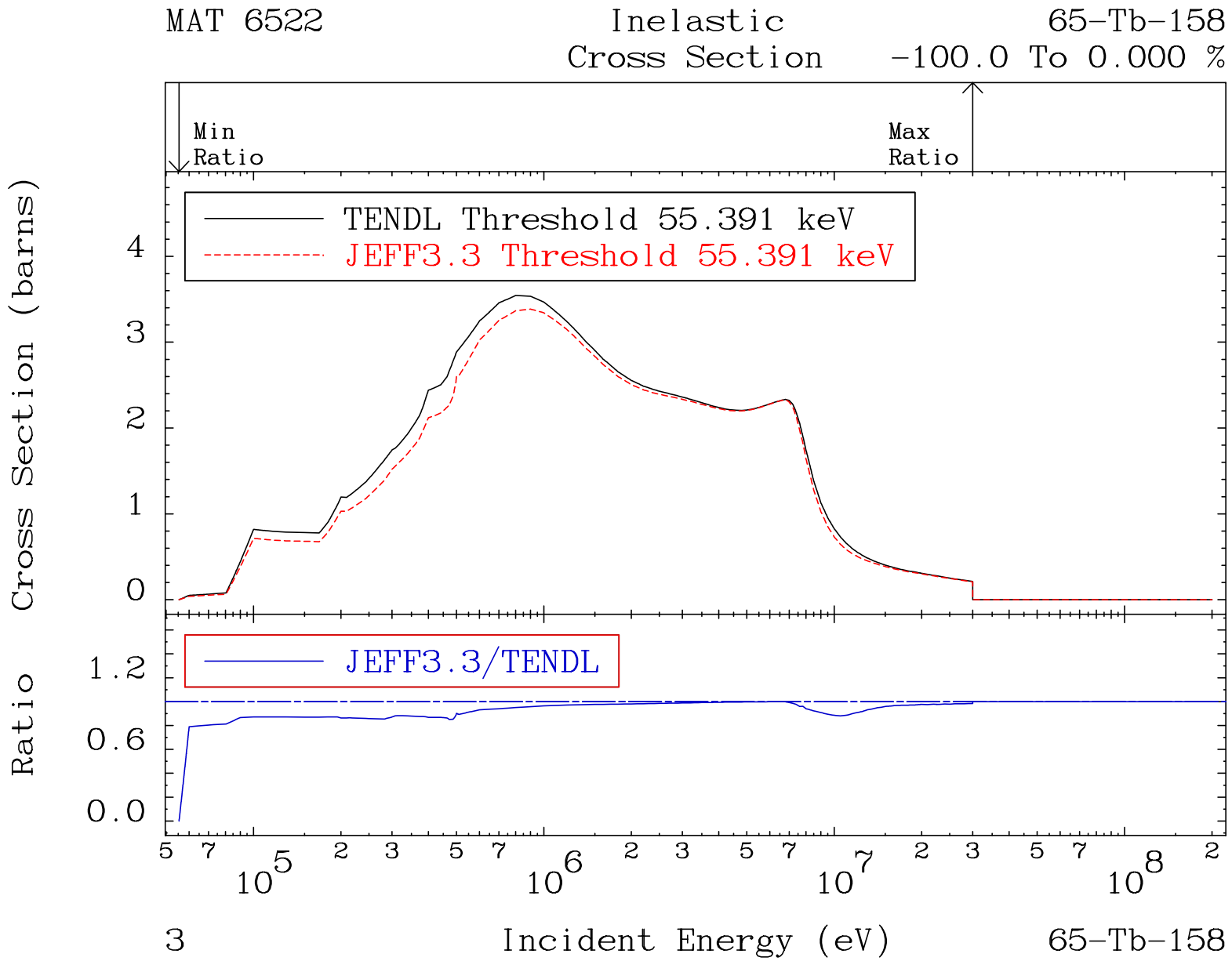
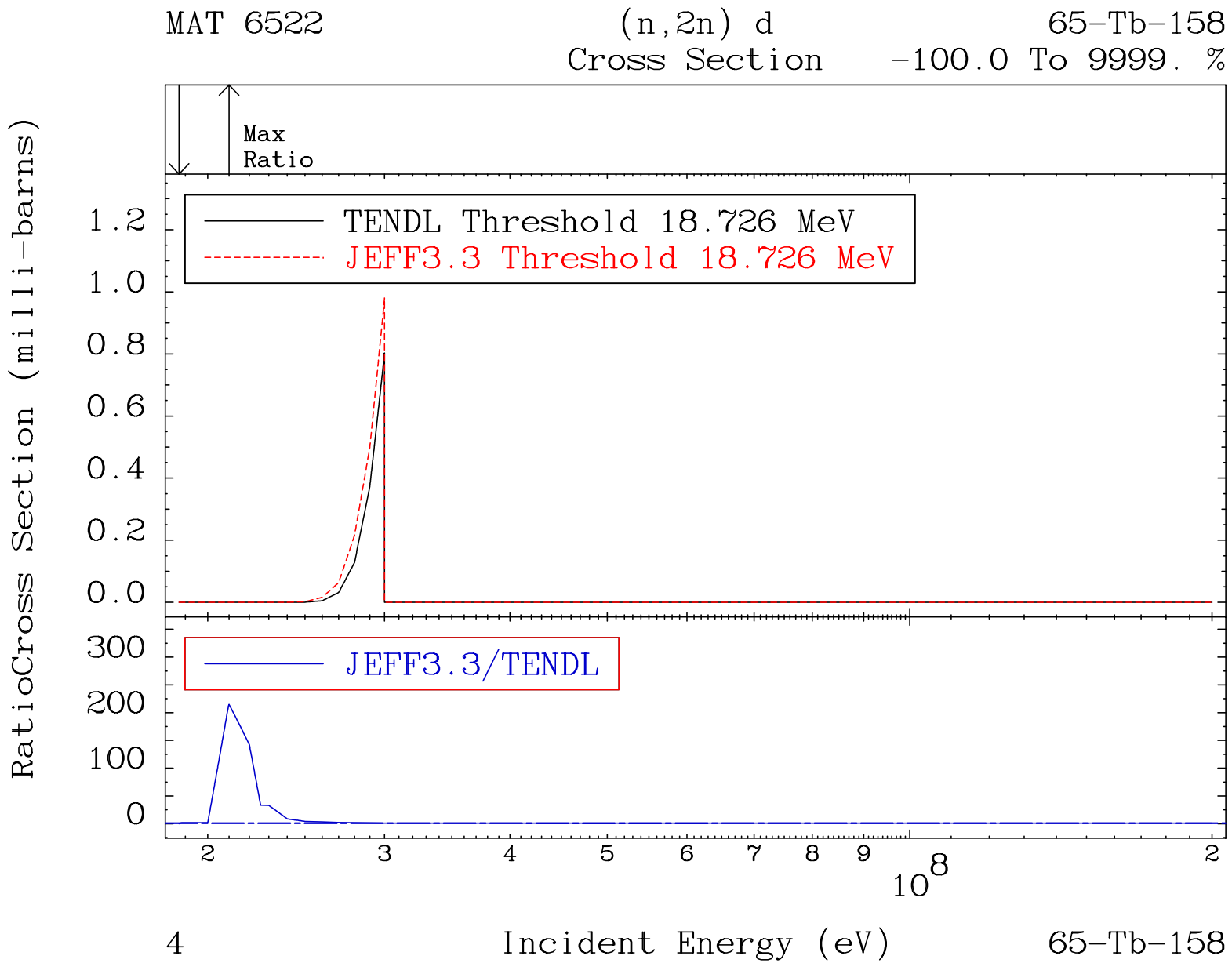
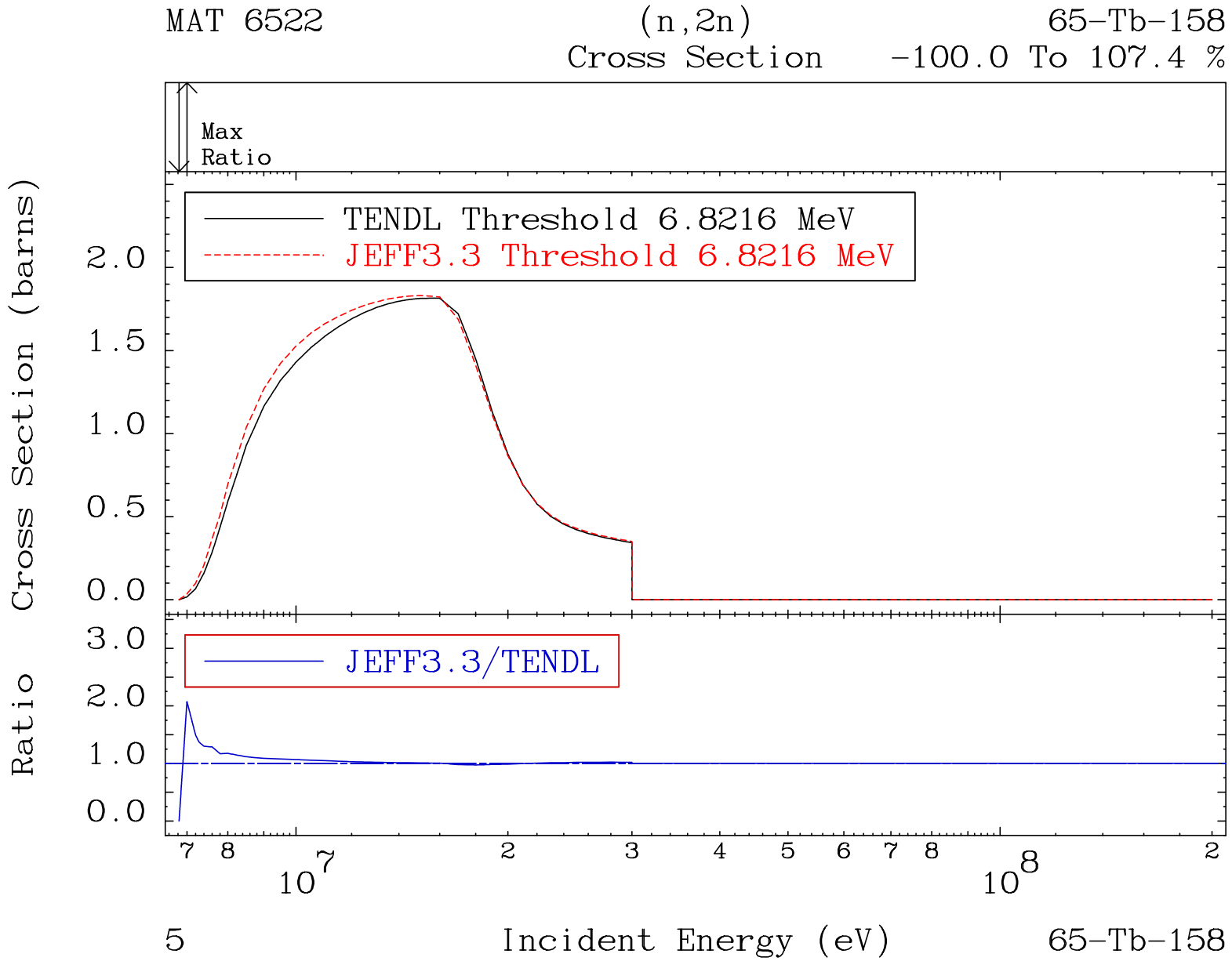
Press Mouse Button to Start

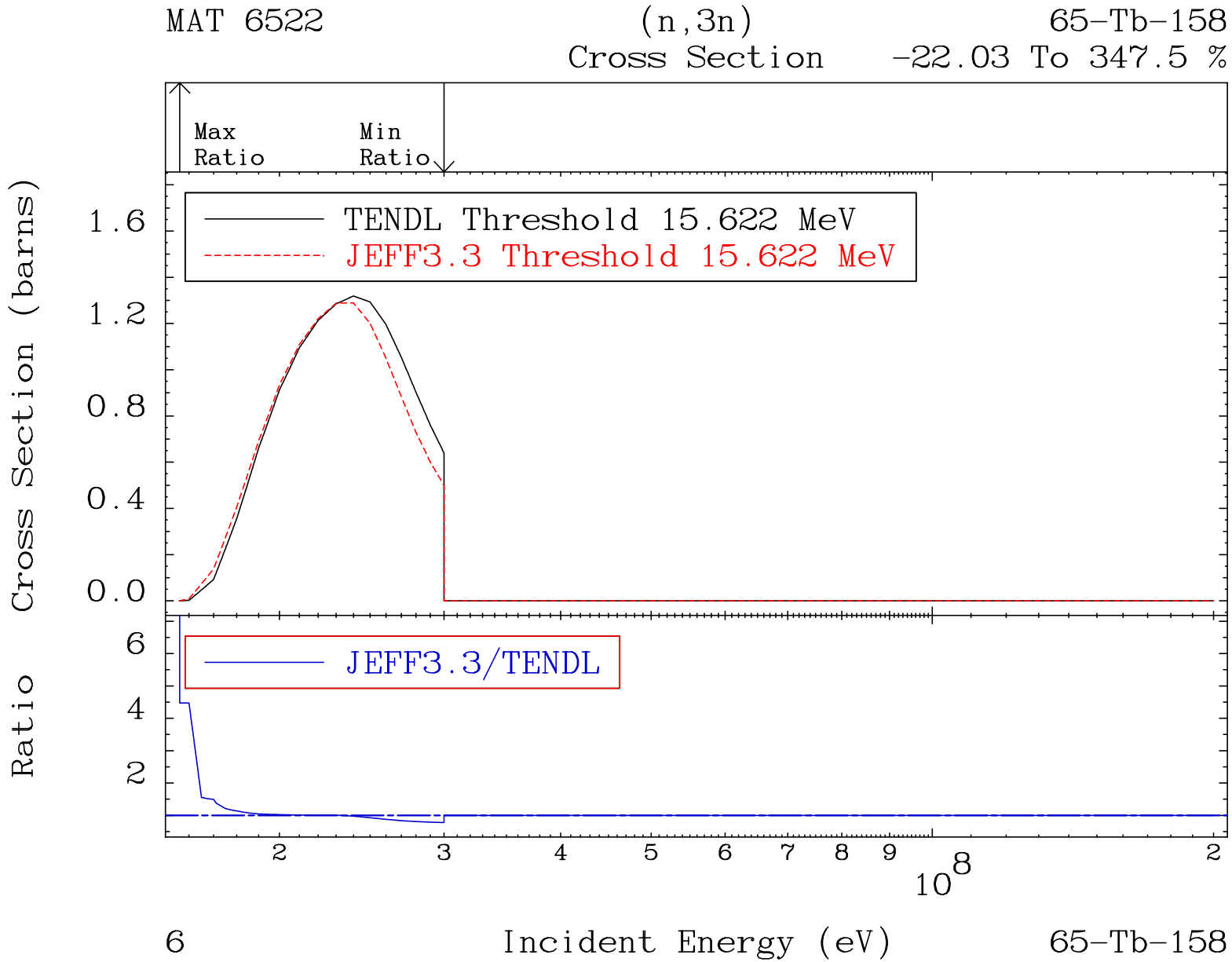

MAT 6522
Total
Cross Section
65-Tb-158
-83.24 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
65-Tb-158

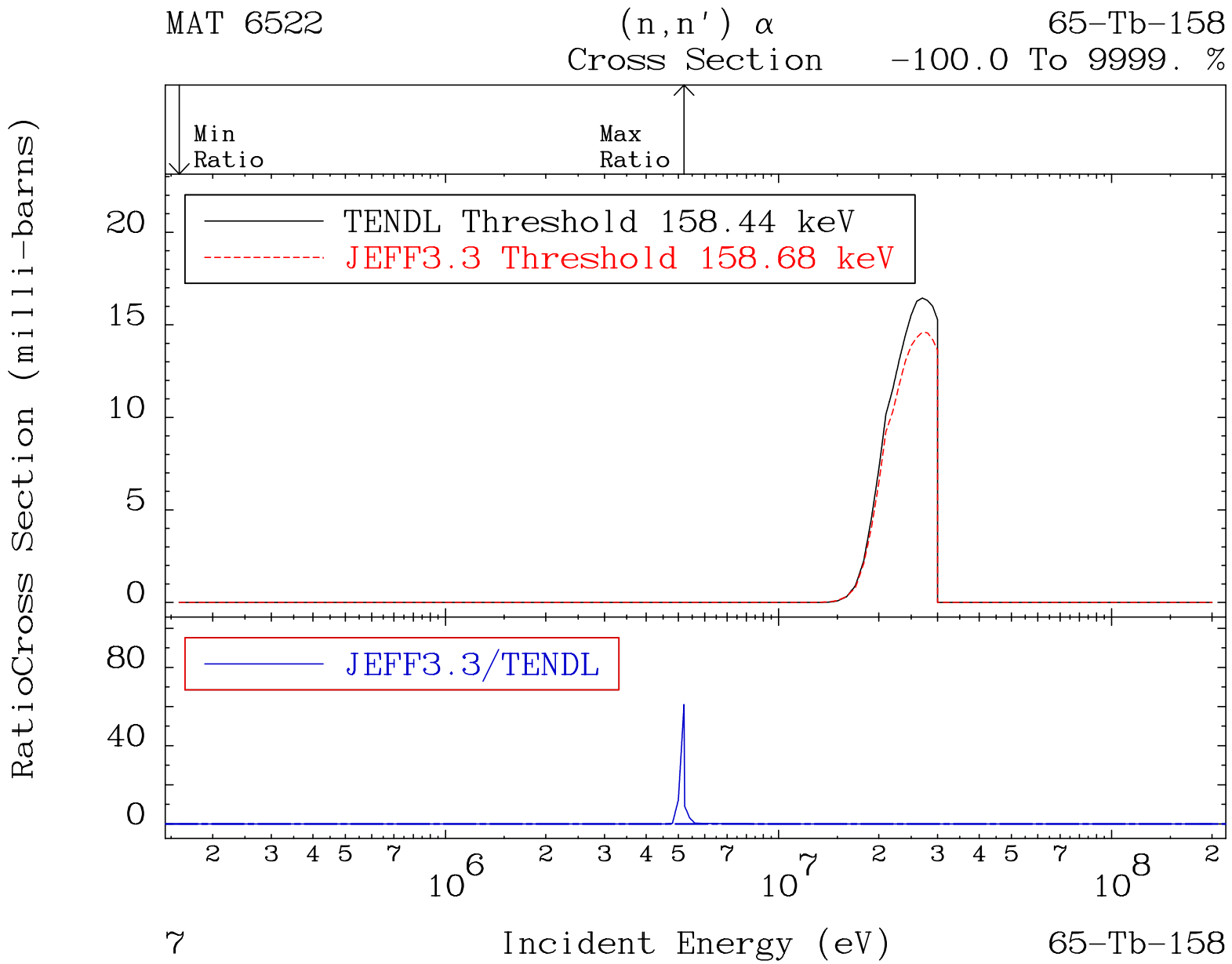

MAT 6522
Elastic
Cross Section
65-Tb-158
-82.66 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
65-Tb-158

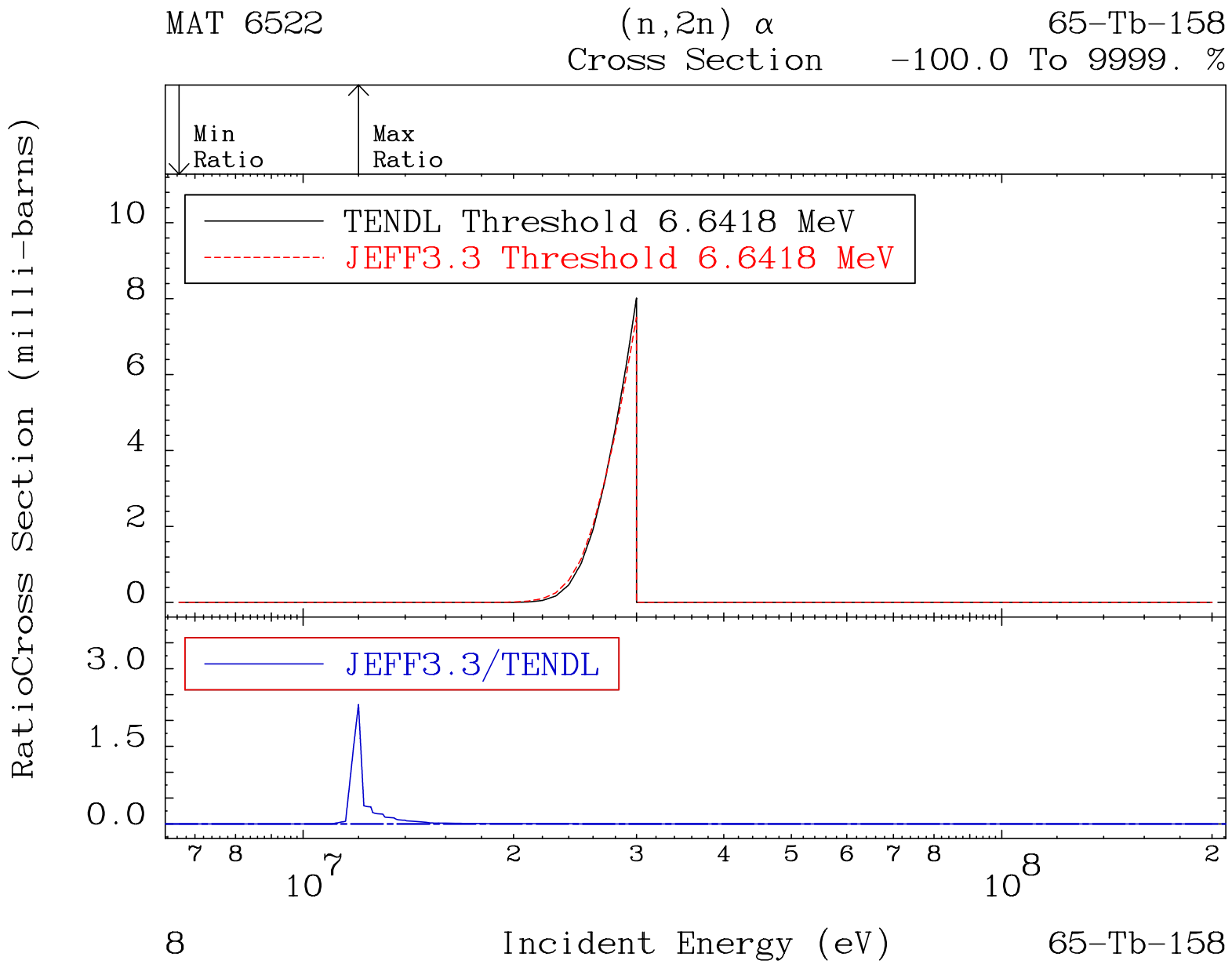

MAT 6522
Inelastic
Cross Section
65-Tb-158
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 55.391 keV
JEFF3.3 Threshold 55.391 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
65-Tb-158

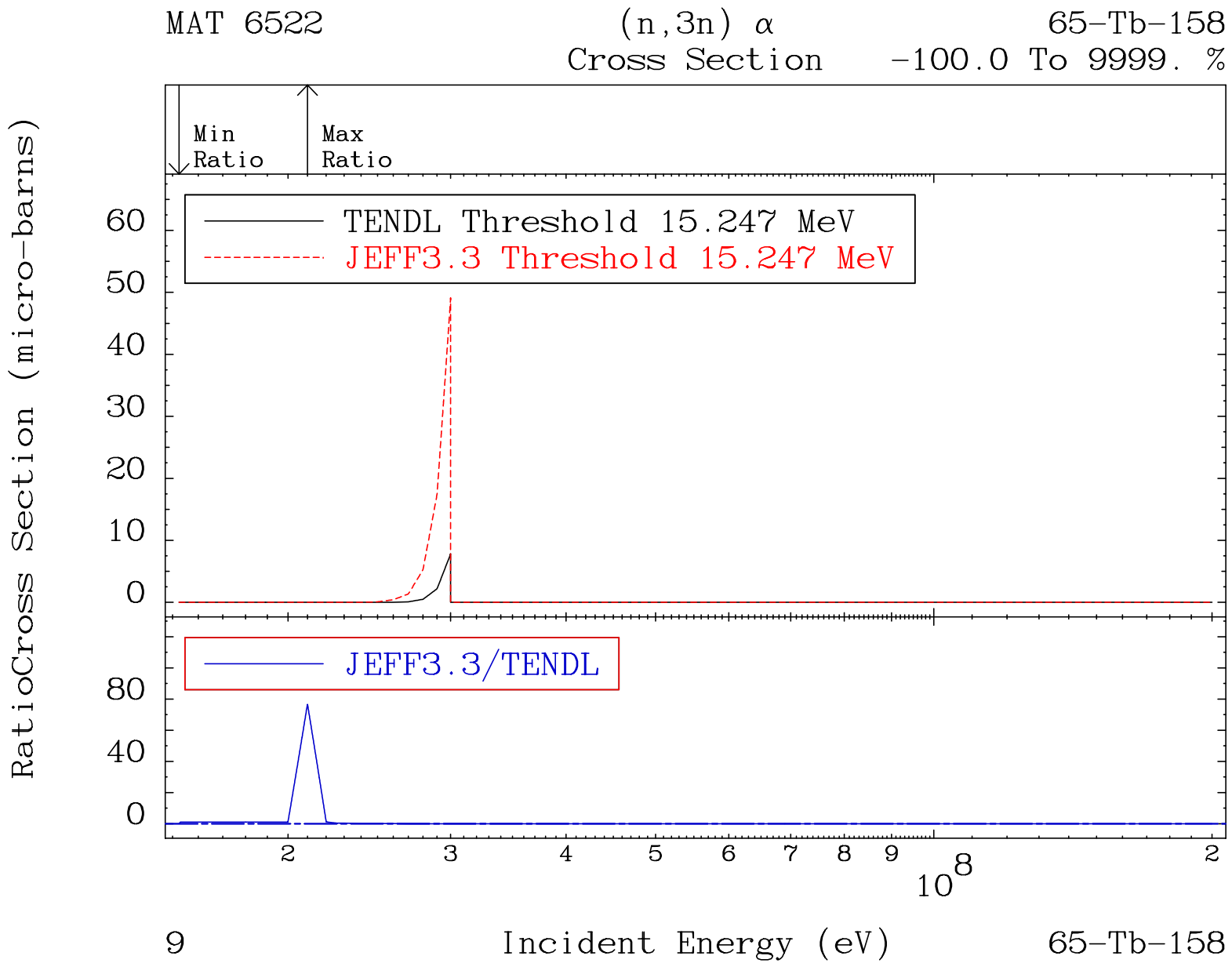

MAT 6522
(n,2n) d
Cross Section
65-Tb-158
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 18.726 MeV
JEFF3.3 Threshold 18.726 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
300
200
100
0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
65-Tb-158

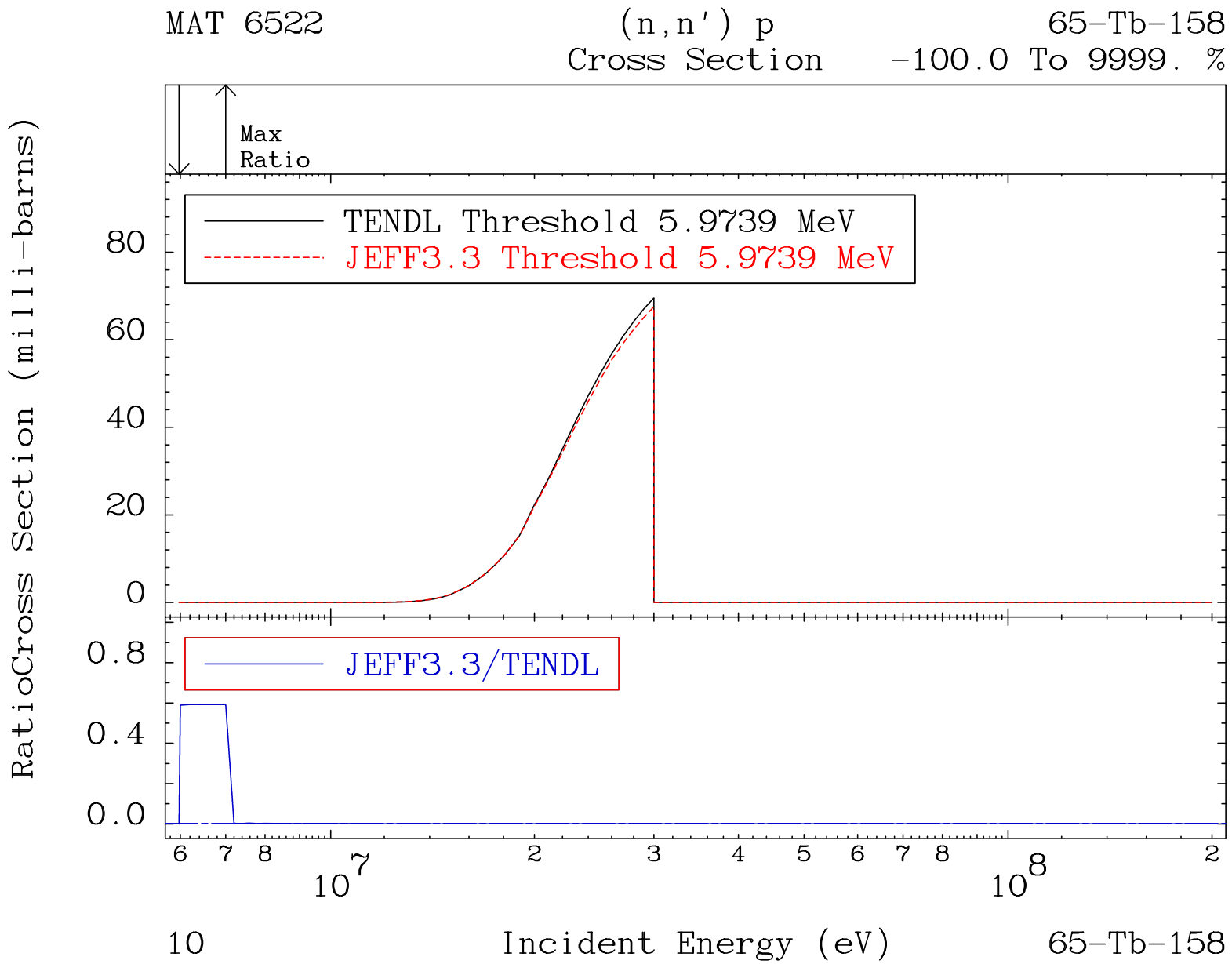

MAT 6522
(n,2n)
Cross Section
65-Tb-158
-100.0 To 107.4 %
Max
Ratio
TENDL Threshold 6.8216 MeV
JEFF3.3 Threshold 6.8216 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
5
Incident Energy (eV)
65-Tb-158

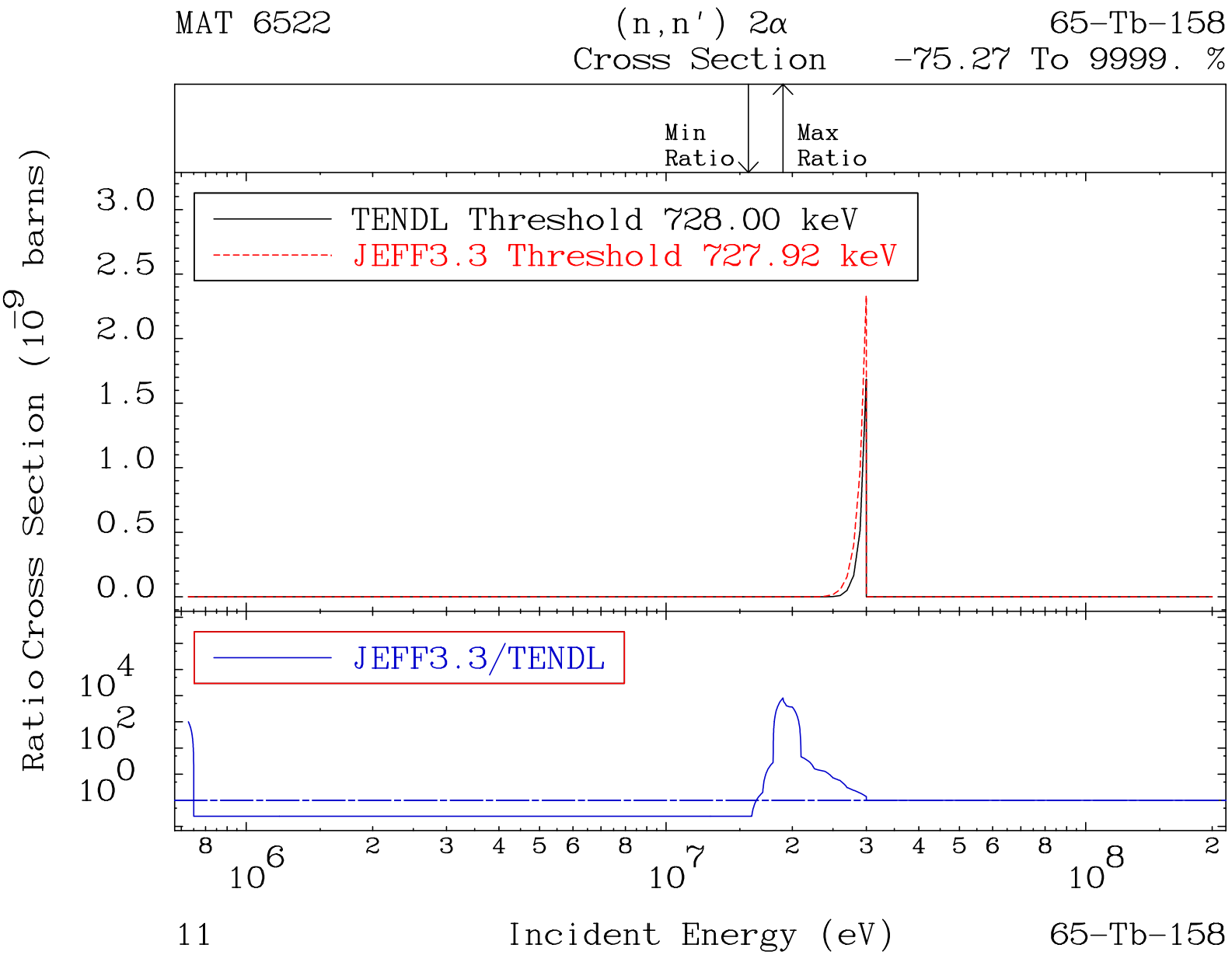

MAT 6522
(n,3n)
Cross Section
65-Tb-158
-22.03 To 347.5 %
Max Ratio
Min Ratio
TENDL Threshold 15.622 MeV
JEFF3.3 Threshold 15.622 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
65-Tb-158

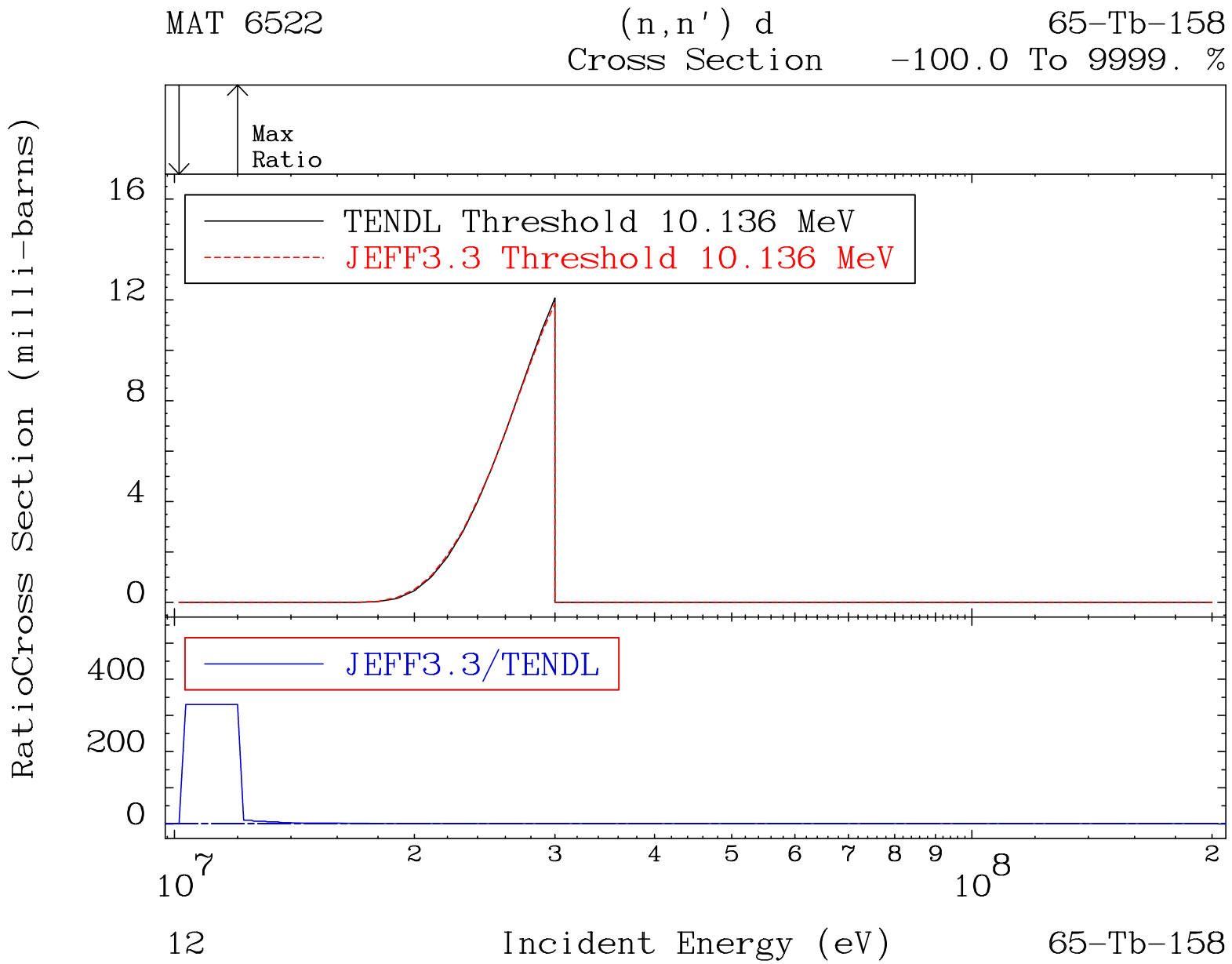

MAT 6522
(n,n') α
Cross Section
65-Tb-158
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 158.44 keV
JEFF3.3 Threshold 158.68 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65-Tb-158
7

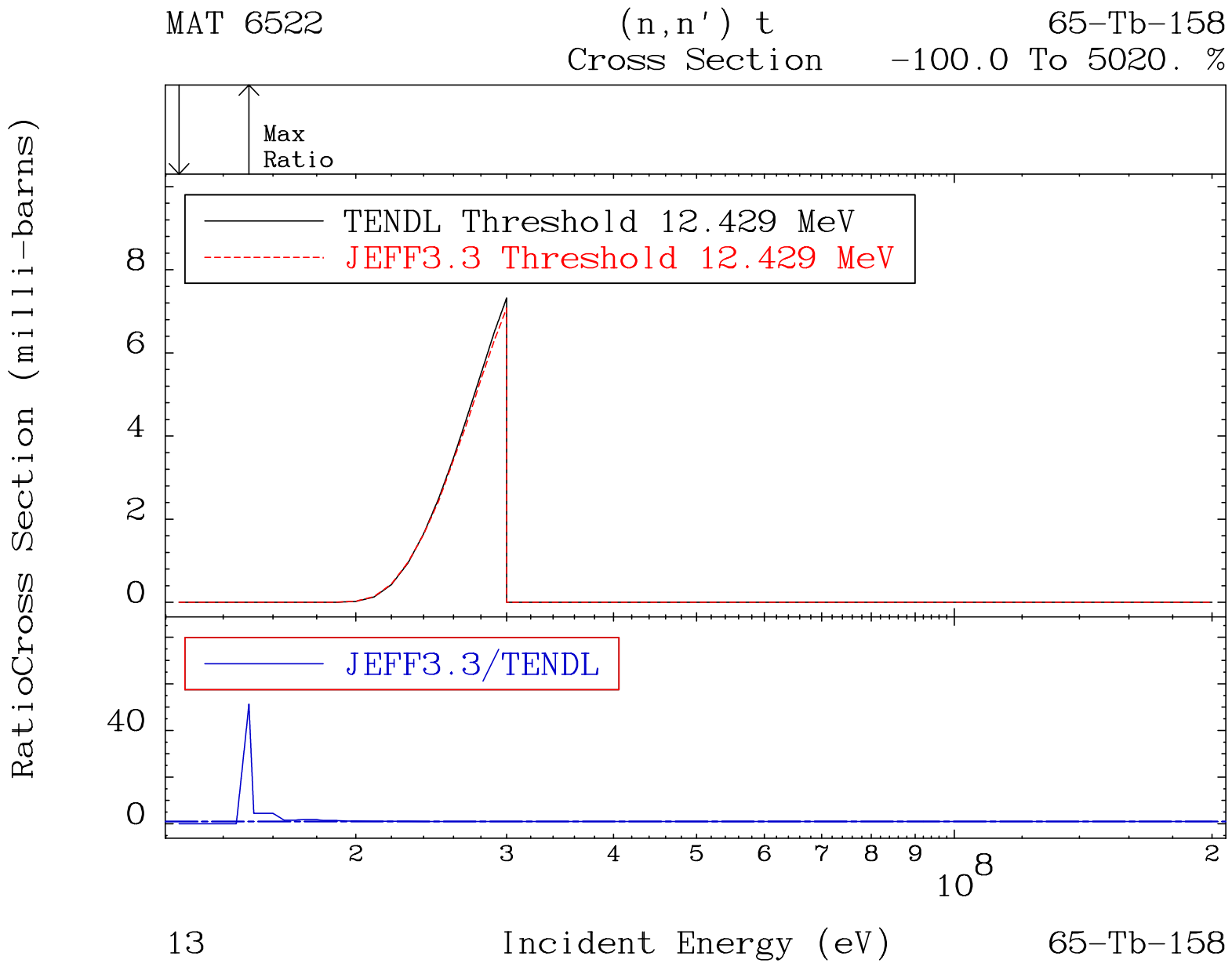

MAT 6522
(n,2n) α
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6418 MeV
JEFF3.3 Threshold 6.6418 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
3.0
1.5
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
65-Tb-158

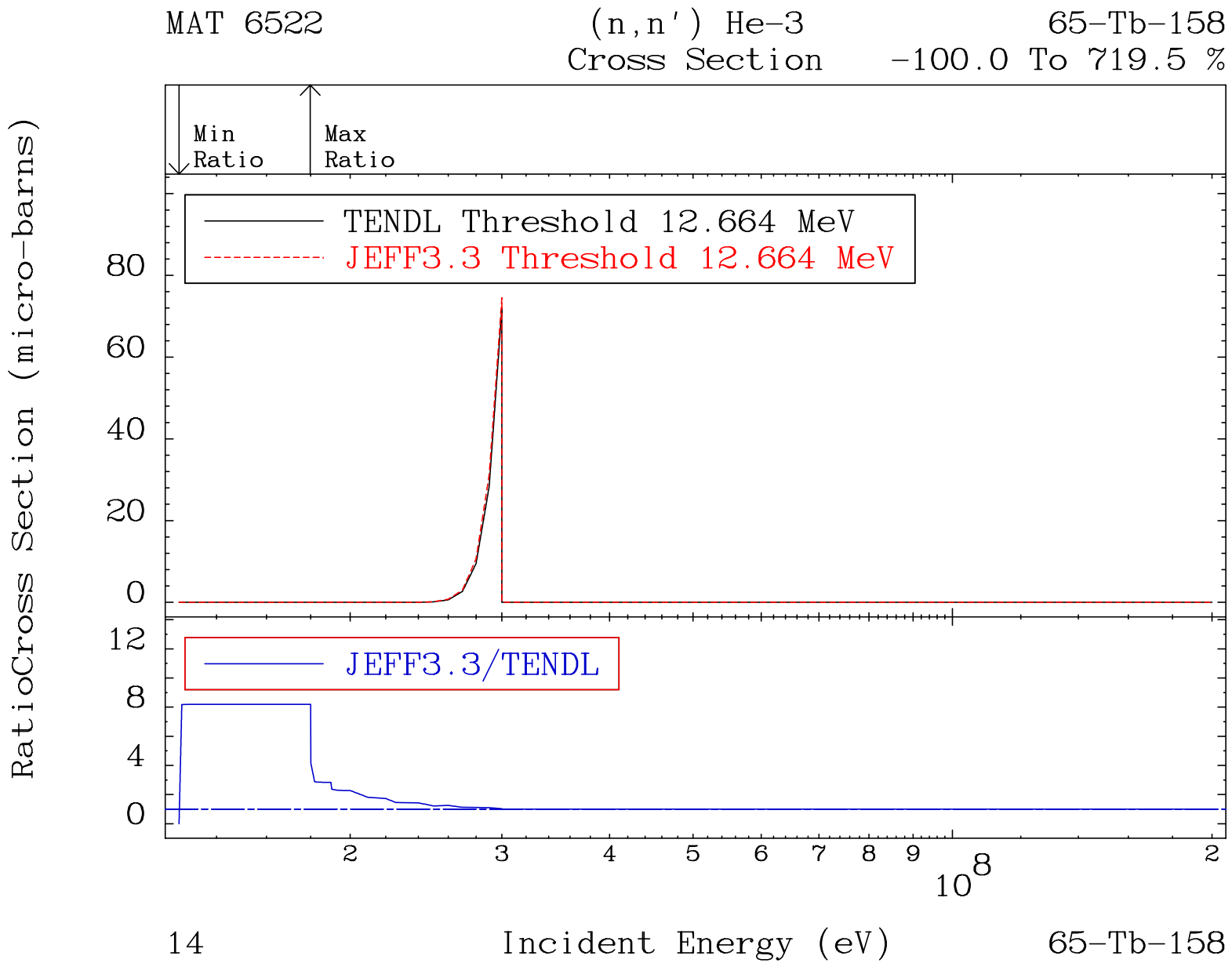

MAT 6522
(n,3n) α
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.247 MeV
JEFF3.3 Threshold 15.247 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
65-Tb-158

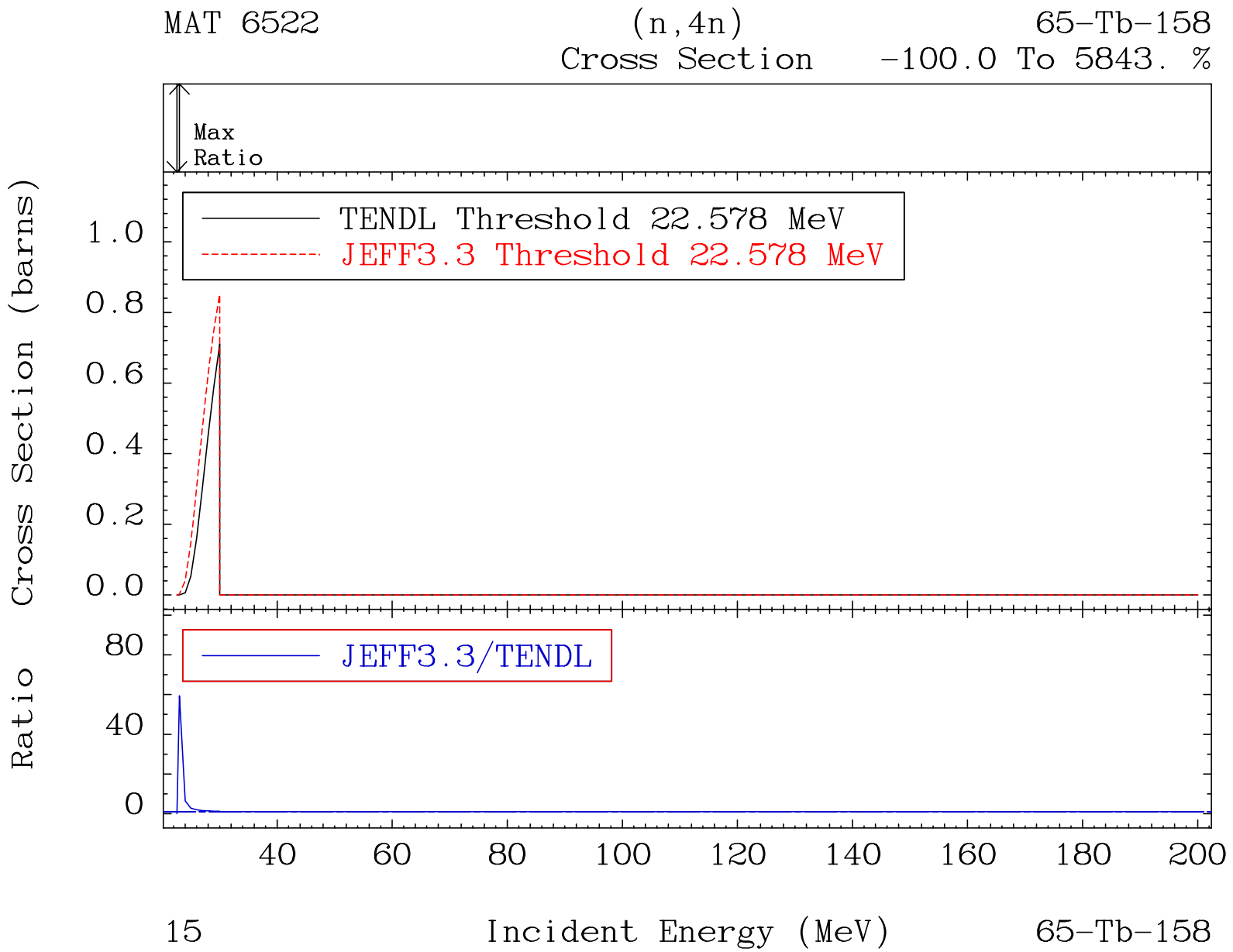

MAT 6522
(n,n') p
Cross Section
65-Tb-158
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9739 MeV
JEFF3.3 Threshold 5.9739 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
65-Tb-158

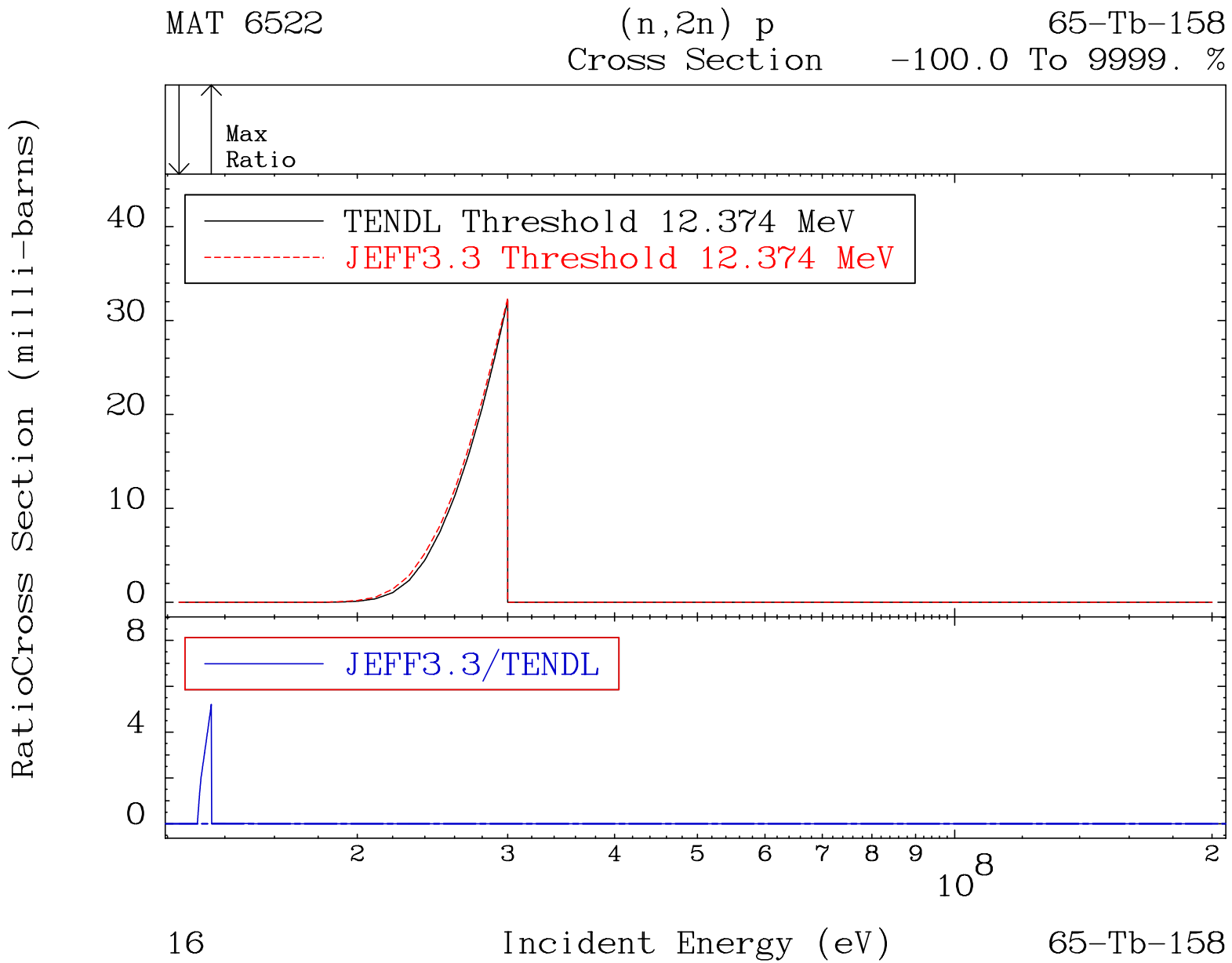

MAT 6522
(n,n') 2α
65-Tb-158
Cross Section
-75.27 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 728.00 keV
JEFF3.3 Threshold 727.92 keV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^4
10^2
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
65-Tb-158

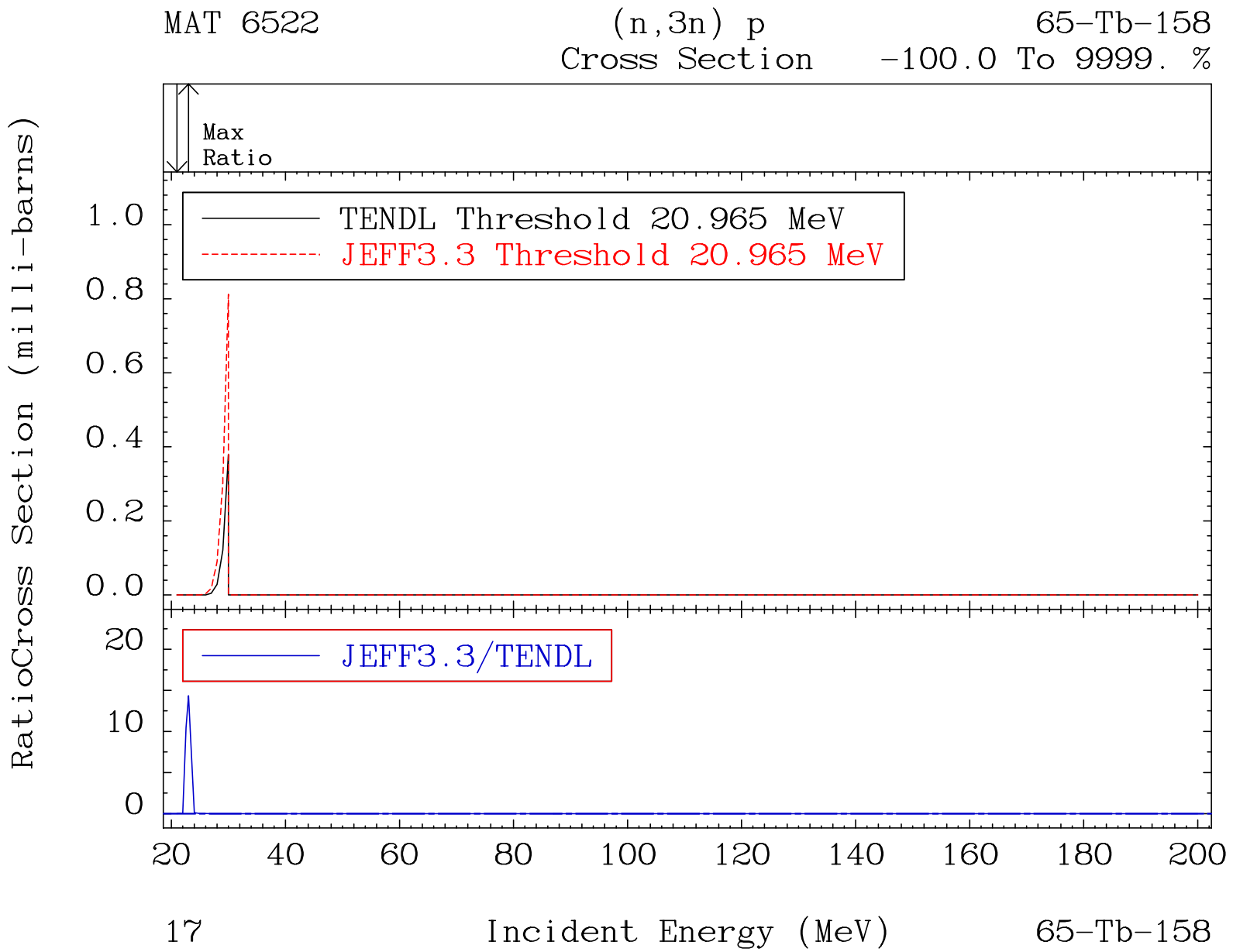

MAT 6522
(n,n') d
Cross Section
65-Tb-158
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.136 MeV
JEFF3.3 Threshold 10.136 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
400
200
0
10^7
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
65-Tb-158

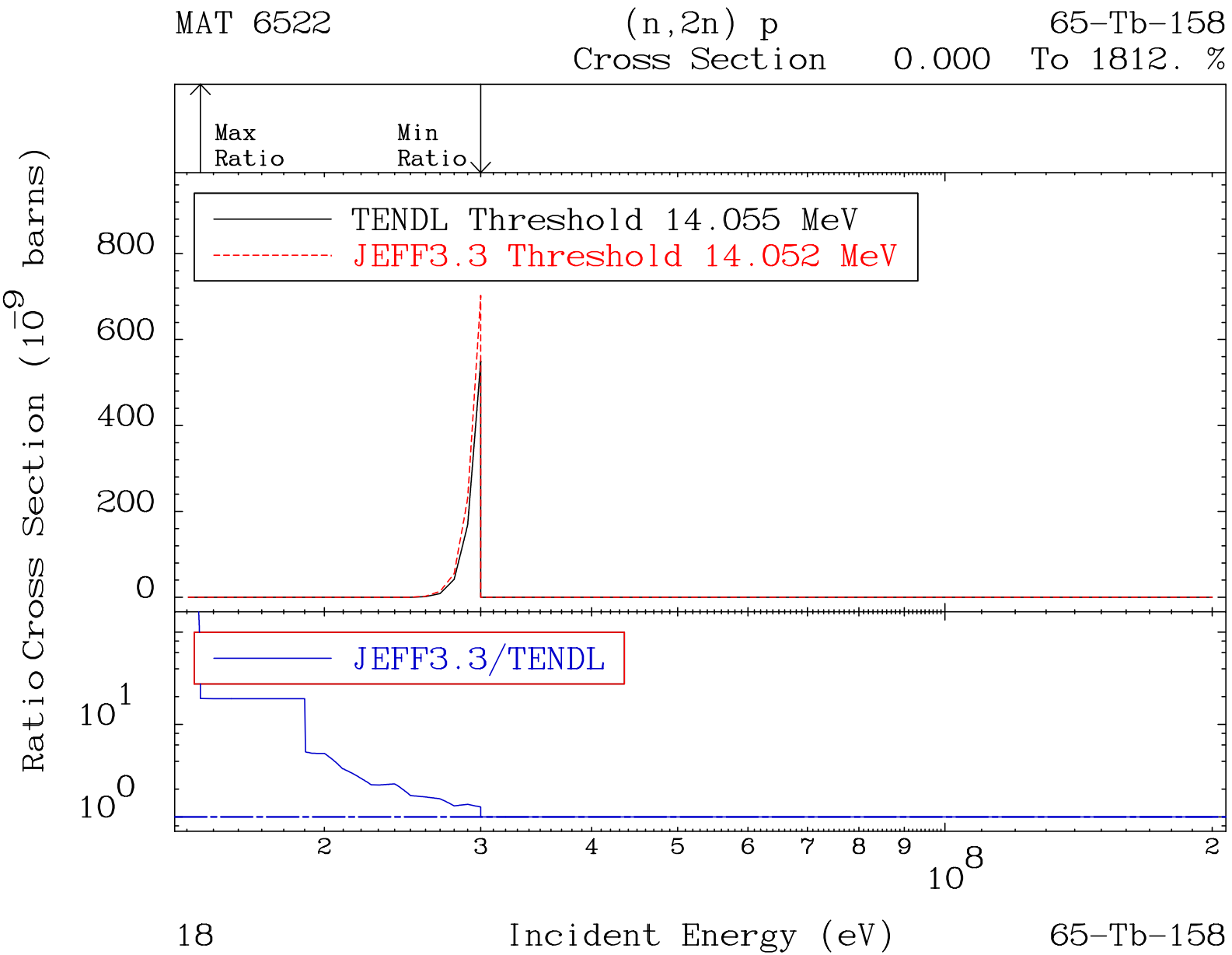

MAT 6522
(n,n') t
Cross Section
65-Tb-158
-100.0 To 5020. %
Max
Ratio
TENDL Threshold 12.429 MeV
JEFF3.3 Threshold 12.429 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
40
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
65-Tb-158

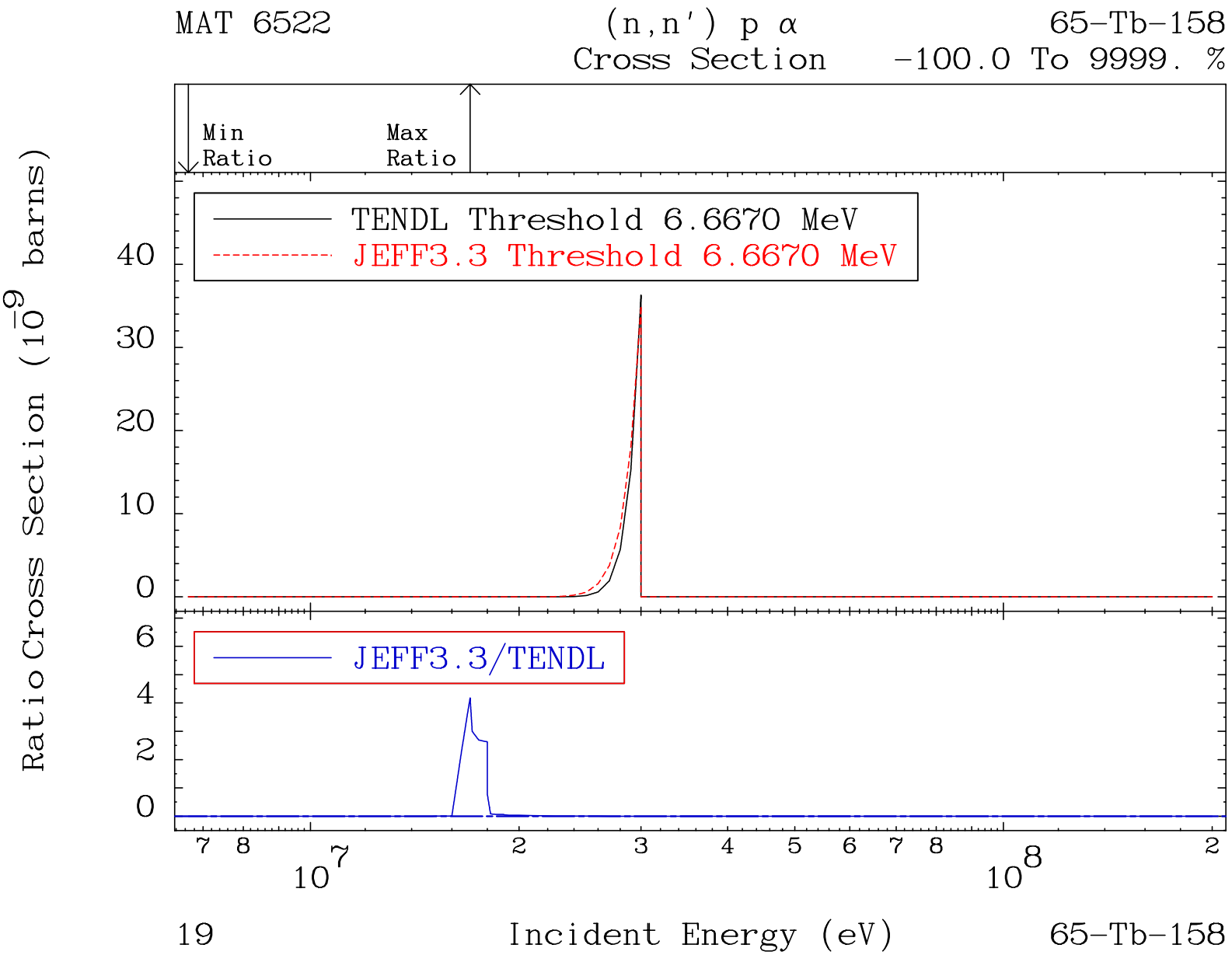

MAT 6522
(n,n') He-3
Cross Section
65-Tb-158
-100.0 To 719.5 %
Min Ratio
Max Ratio
TENDL Threshold 12.664 MeV
JEFF3.3 Threshold 12.664 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
65-Tb-158

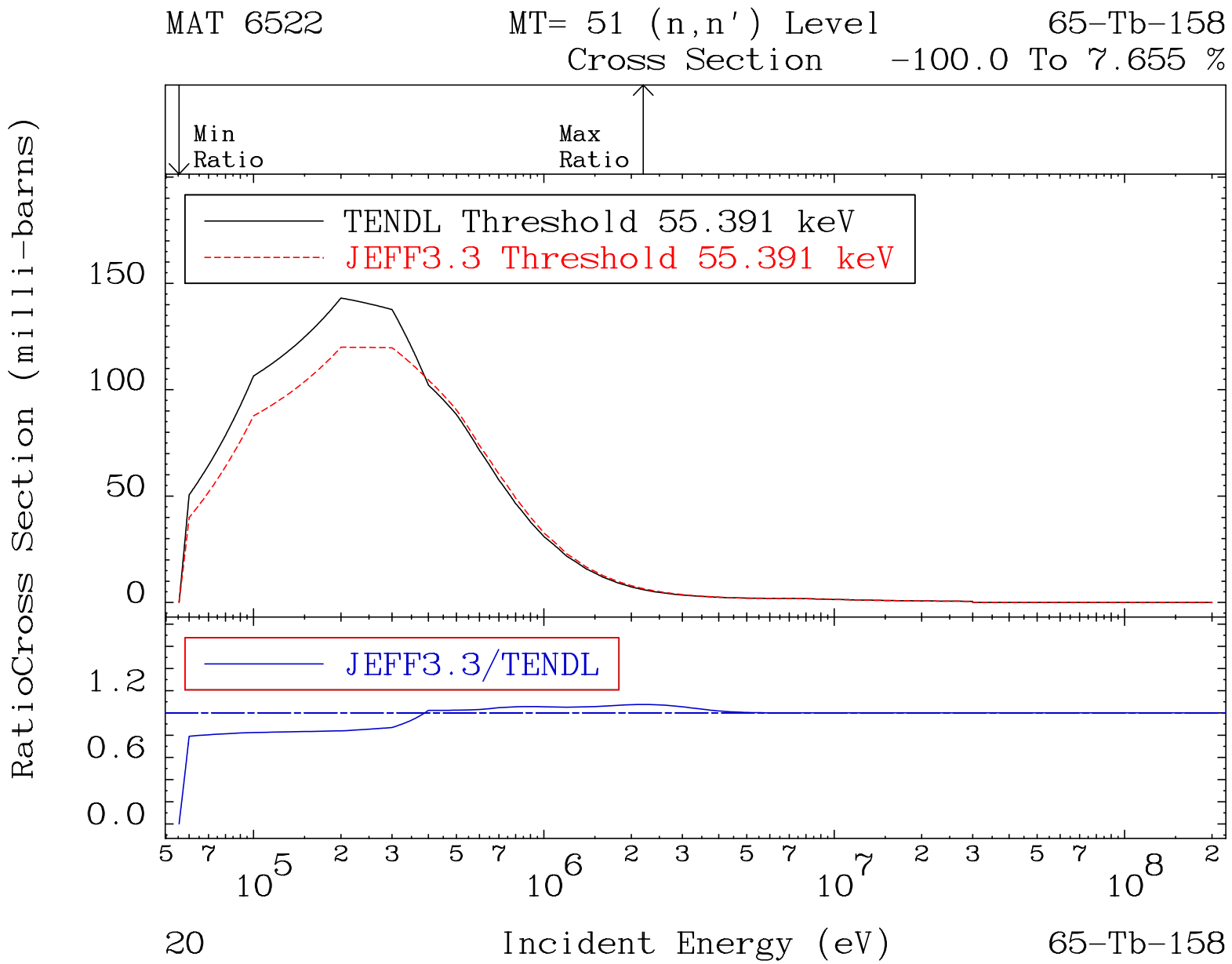

MAT 6522
(n,4n)
65-Tb-158
Cross Section
-100.0 To 5843. %
Max
Ratio
TENDL Threshold 22.578 MeV
JEFF3.3 Threshold 22.578 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
80
40
0
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
65-Tb-158

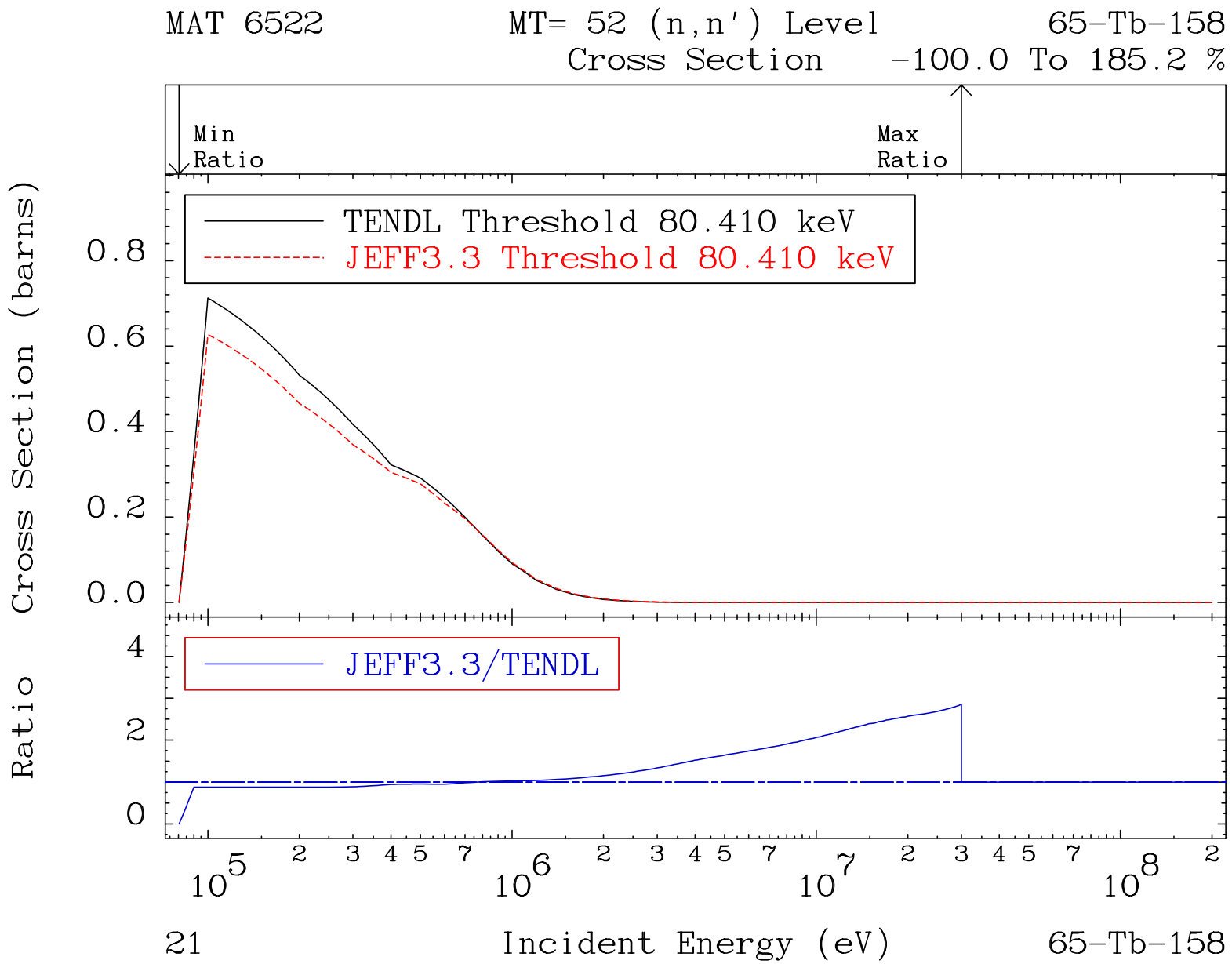

MAT 6522
(n,2n) p
65-Tb-158
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.374 MeV
JEFF3.3 Threshold 12.374 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
65-Tb-158

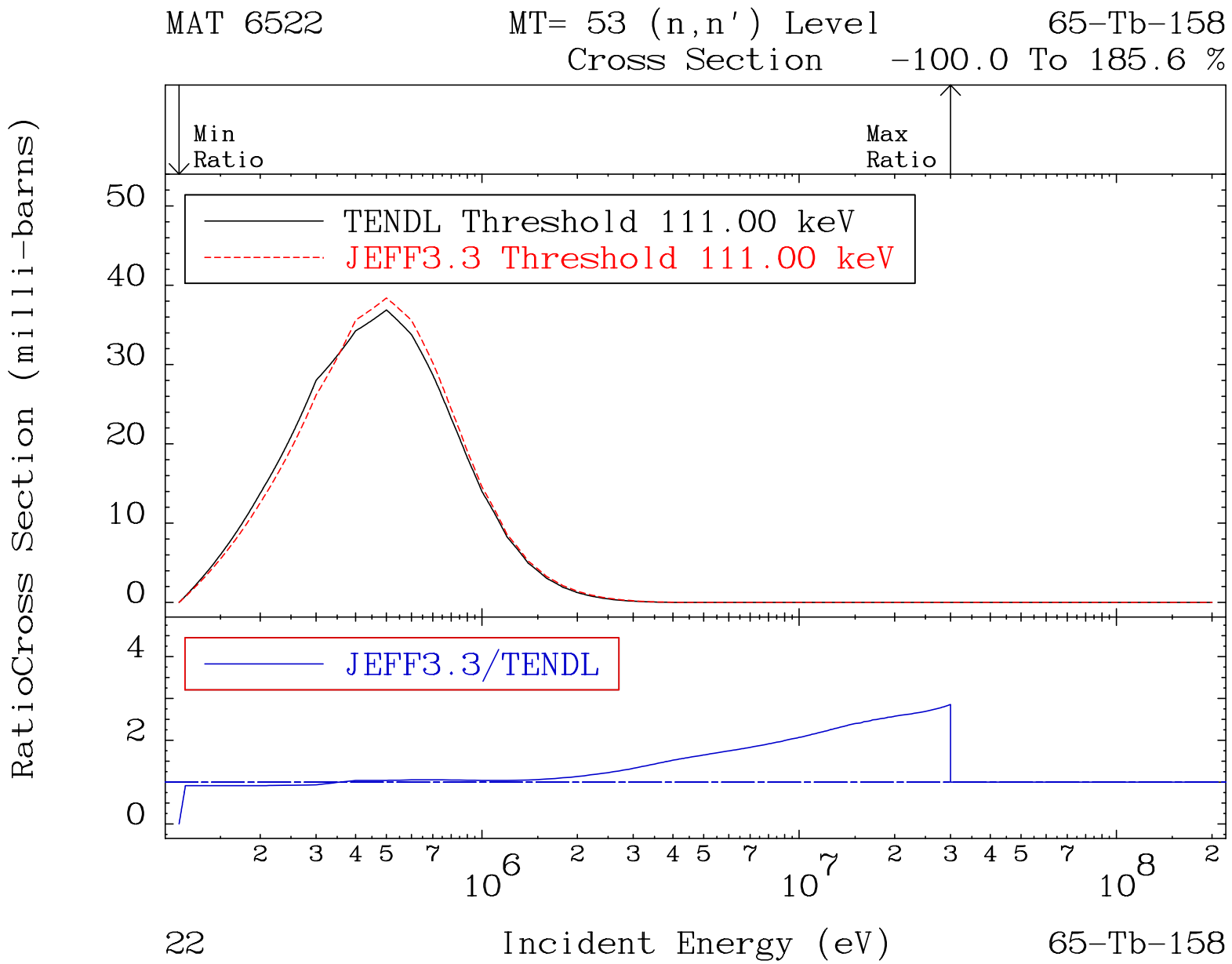

MAT 6522
(n,3n) p
65-Tb-158
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 20.965 MeV
JEFF3.3 Threshold 20.965 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
65-Tb-158

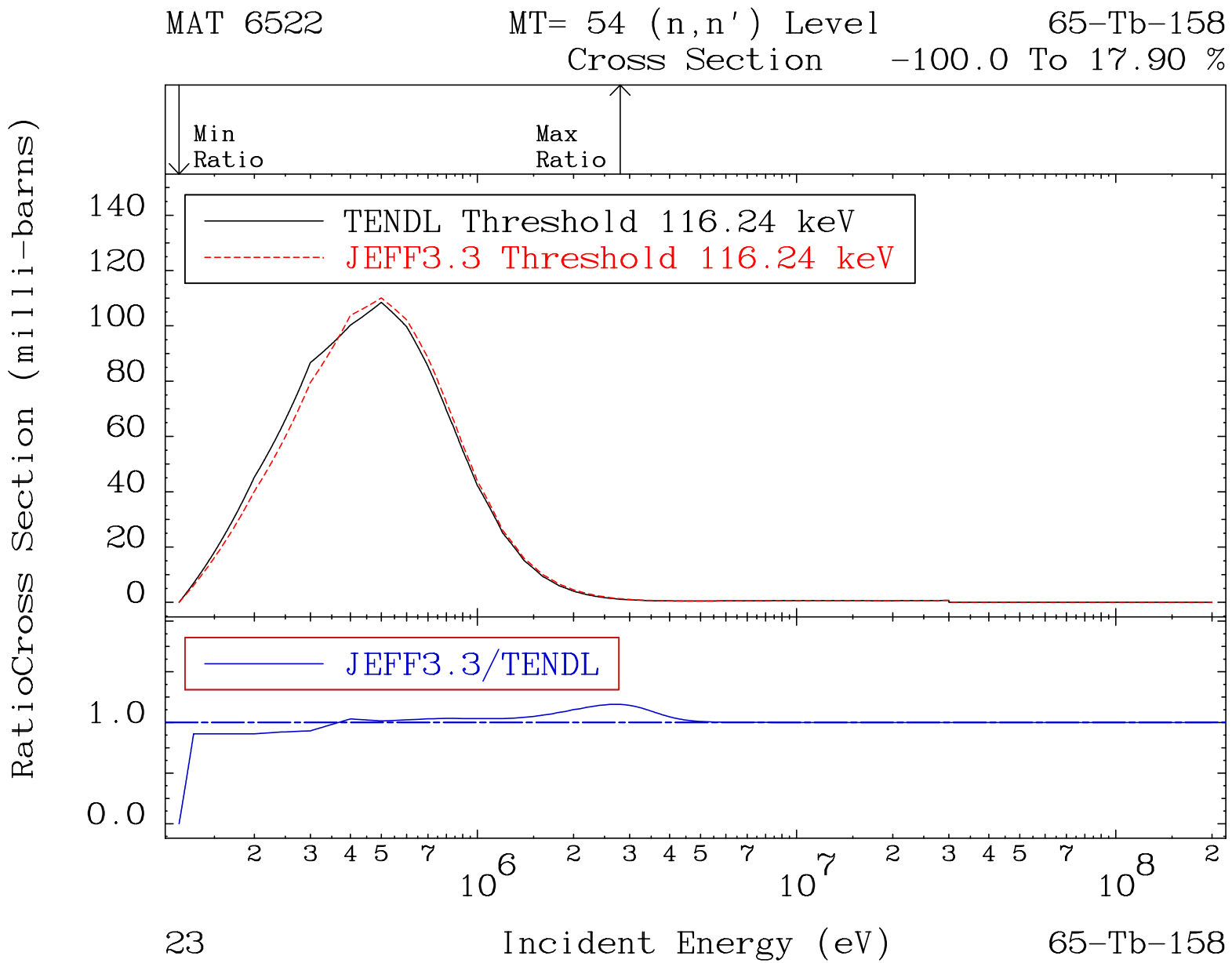

MAT 6522
(n,2n) p
65-Tb-158
Cross Section 0.000 To 1812. %
Max Ratio
Min Ratio
TENDL Threshold 14.055 MeV
JEFF3.3 Threshold 14.052 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
800
600
400
200
0
10^{1}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
18
Incident Energy (eV)
65-Tb-158

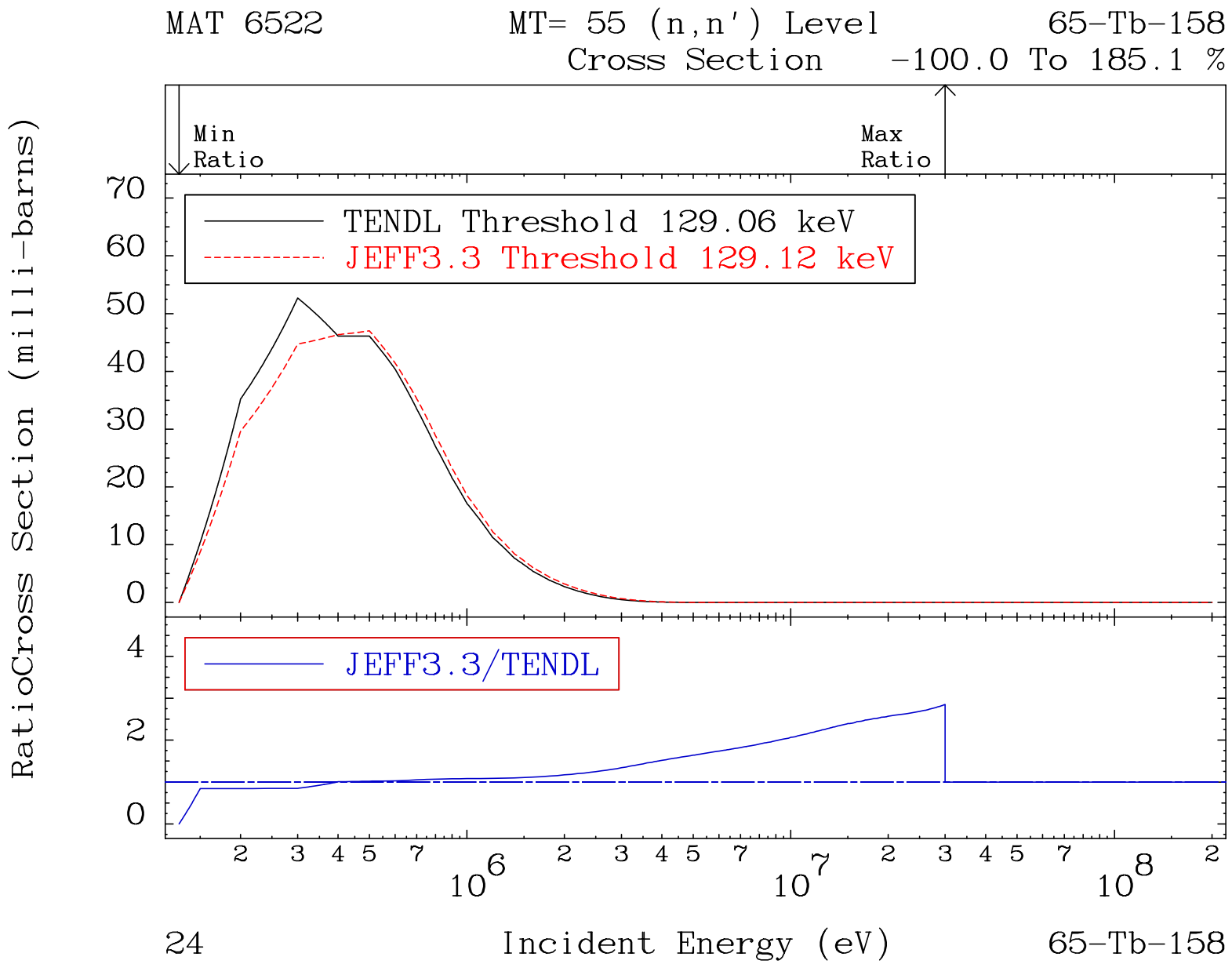

MAT 6522
(n,n') p α
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6670 MeV
JEFF3.3 Threshold 6.6670 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
40
30
20
10
0
6
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
65-Tb-158

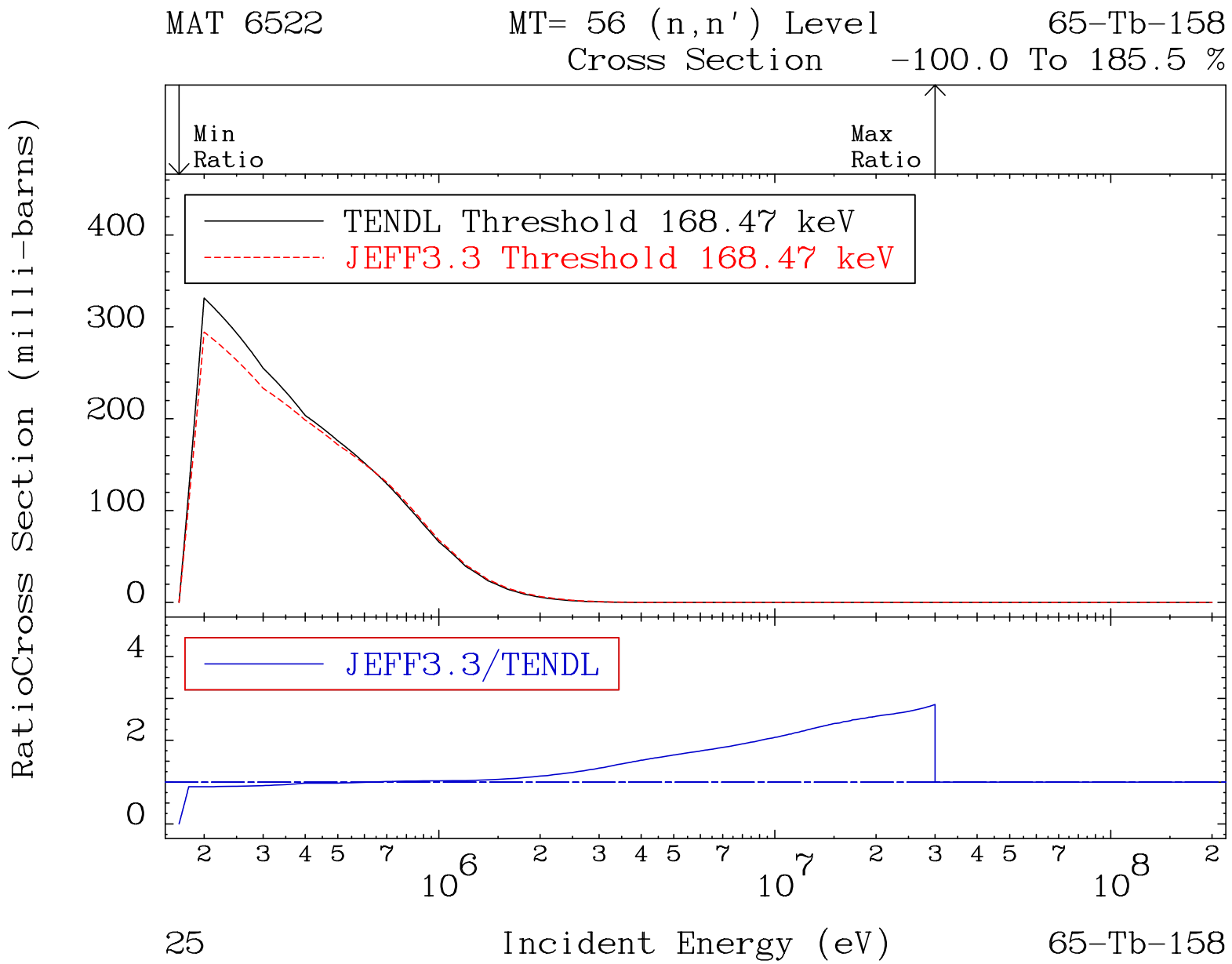

MAT 6522
MT= 51 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 7.655 %
Min Ratio
Max Ratio
TENDL Threshold 55.391 keV
JEFF3.3 Threshold 55.391 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
1.2
0.6
0.0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
20
Incident Energy (eV)
65-Tb-158

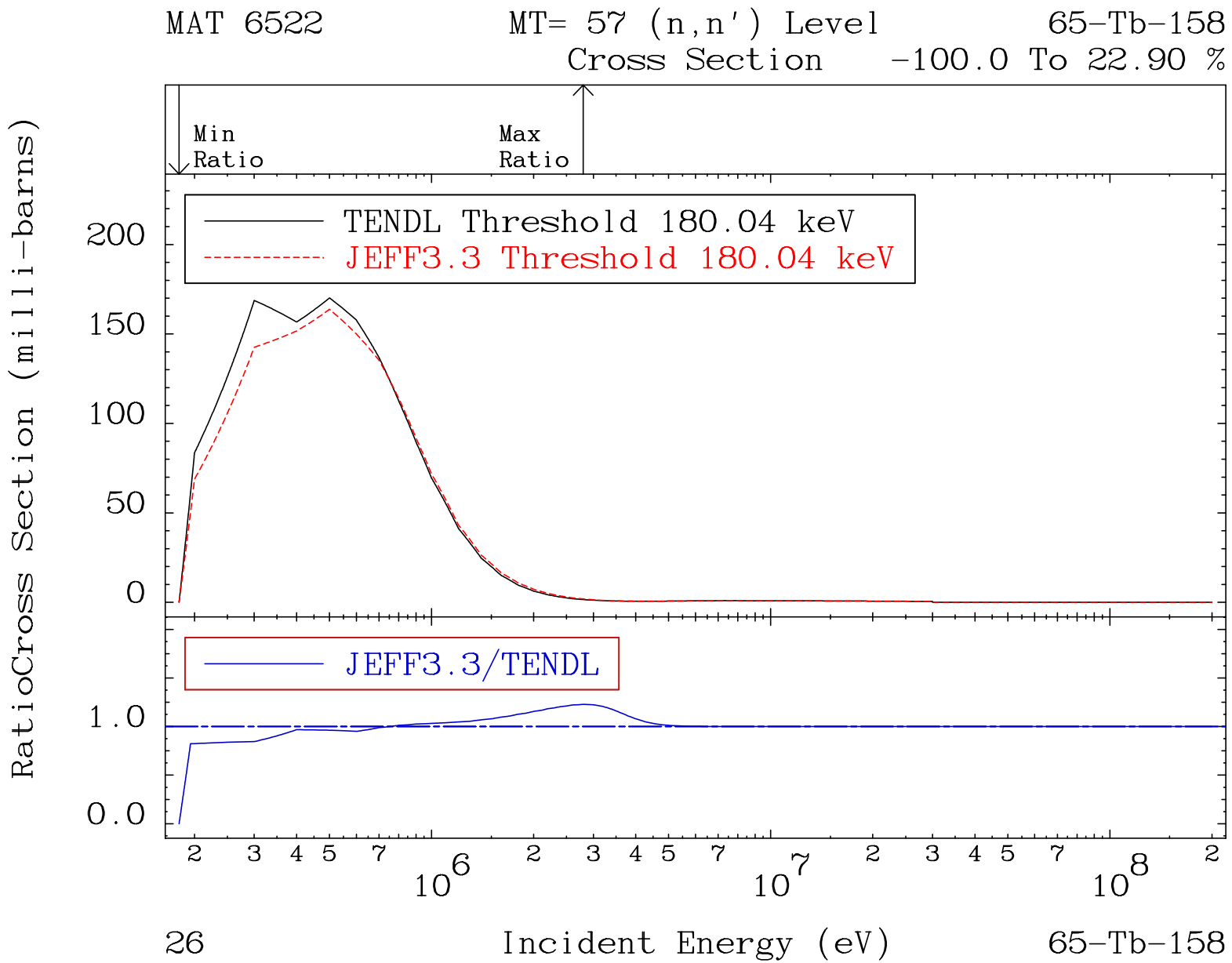

MAT 6522
MT= 52 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 185.2 %
Min Ratio
Max Ratio
TENDL Threshold 80.410 keV
JEFF3.3 Threshold 80.410 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
0.8
0.6
0.4
0.2
0.0
4
2
0
10^5
10^6
10^7
10^8
2 3 4 5 7
21
Incident Energy (eV)
65-Tb-158

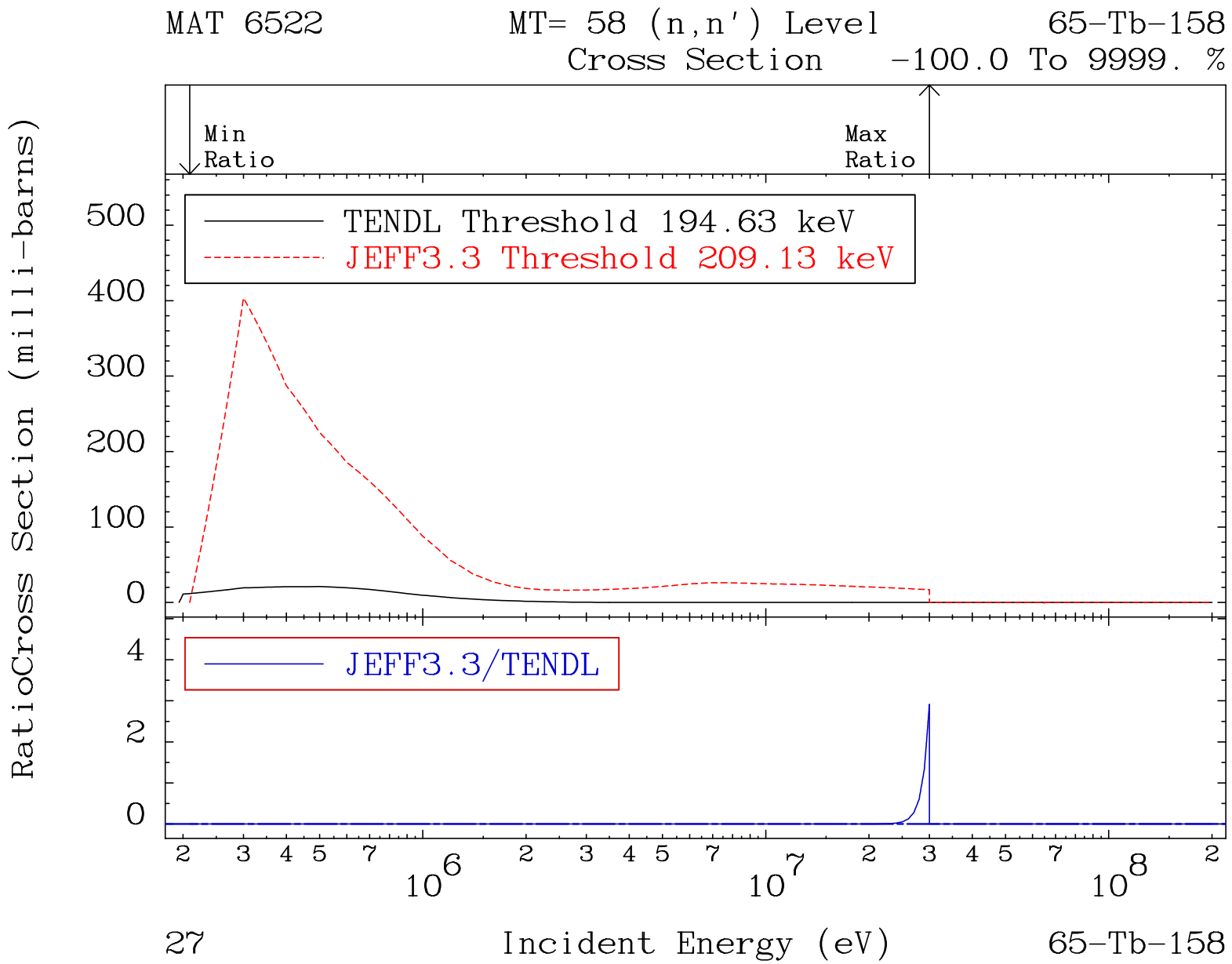

MAT 6522
MT= 53 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 185.6 %
Min Ratio
Max Ratio
TENDL Threshold 111.00 keV
JEFF3.3 Threshold 111.00 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
22
Incident Energy (eV)
65-Tb-158

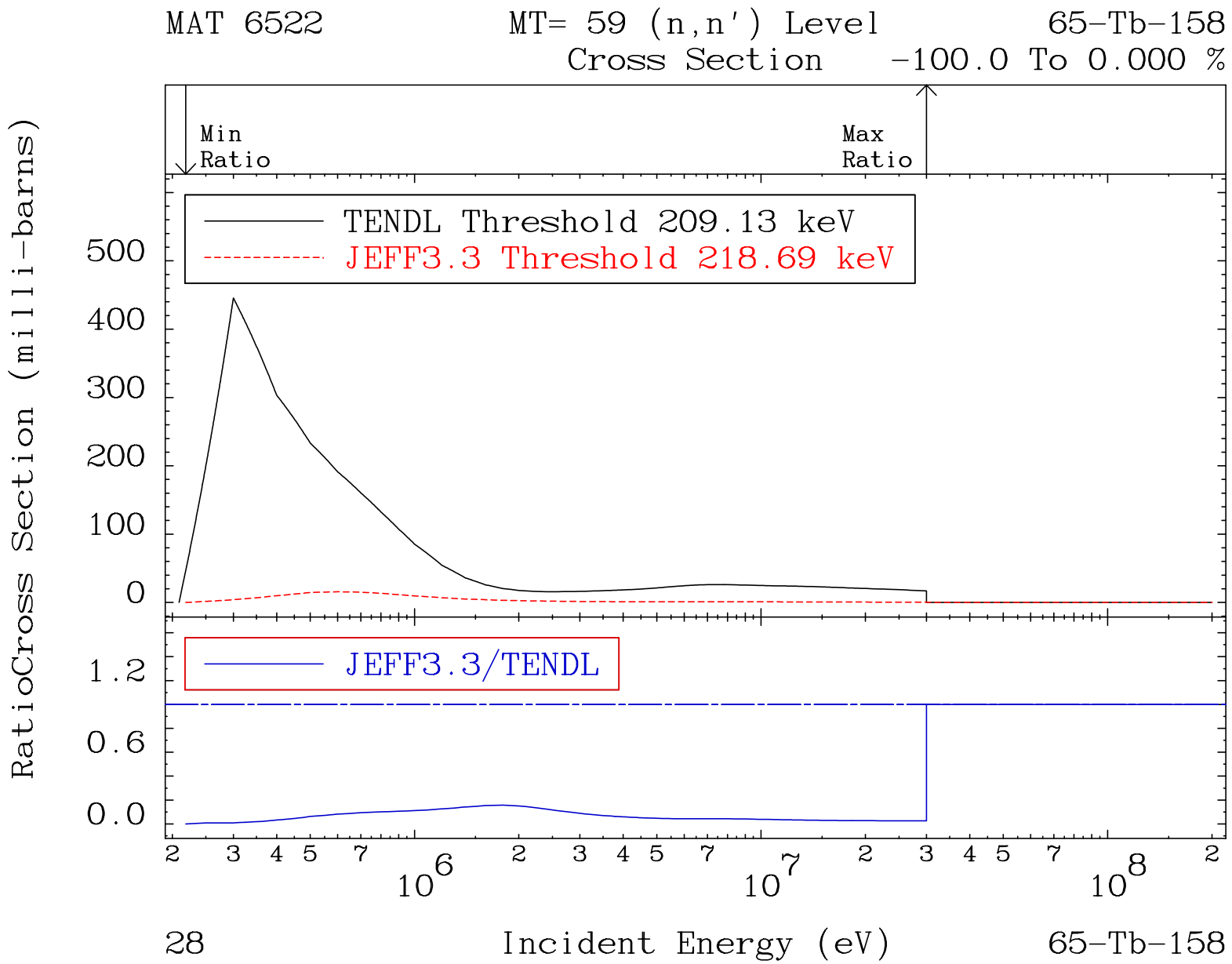

MAT 6522
MT= 54 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 17.90 %
Min Ratio
Max Ratio
TENDL Threshold 116.24 keV
JEFF3.3 Threshold 116.24 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
23
Incident Energy (eV)
65-Tb-158

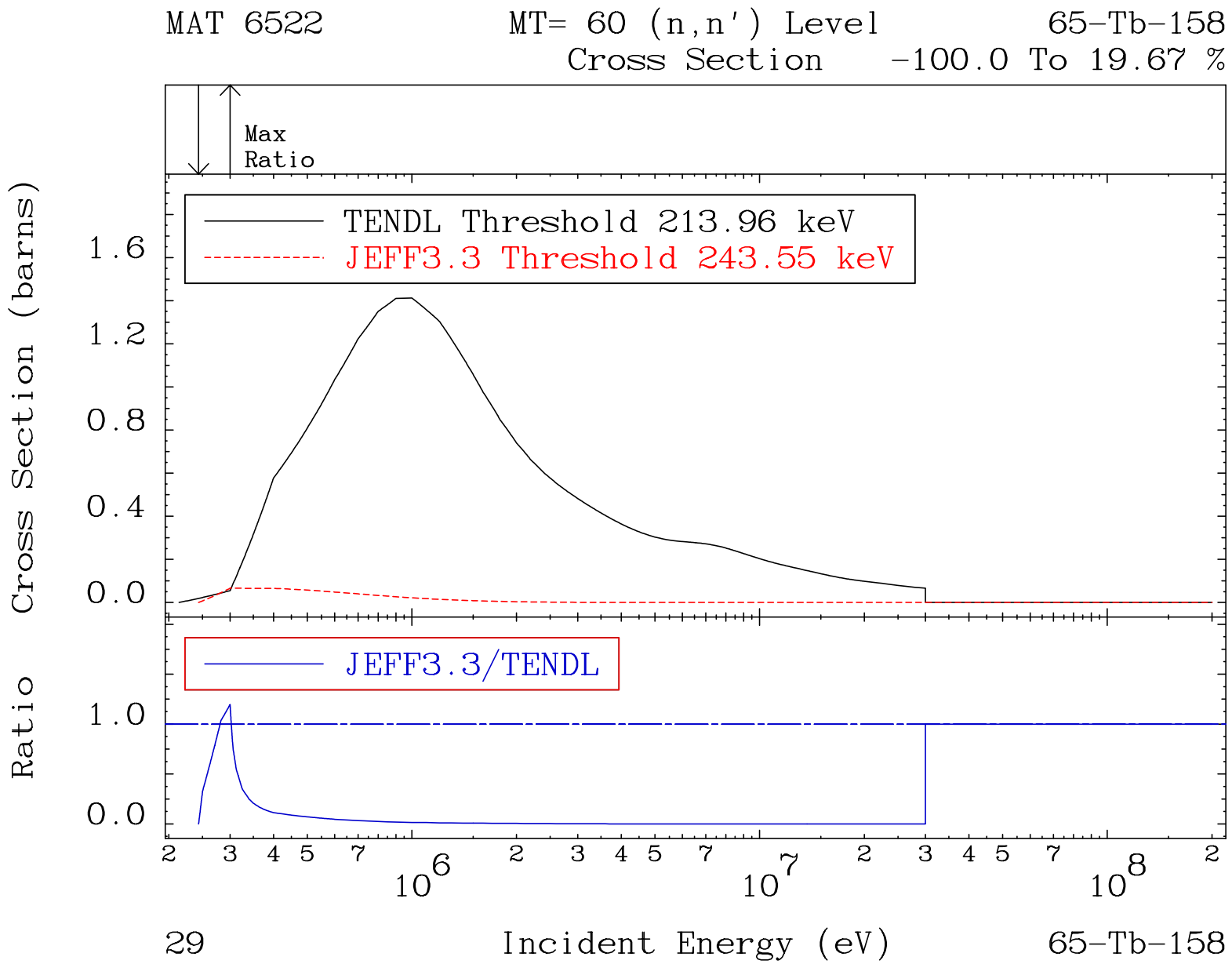

MAT 6522
MT= 55 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 185.1 %
Min Ratio
Max Ratio
TENDL Threshold 129.06 keV
JEFF3.3 Threshold 129.12 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
65-Tb-158

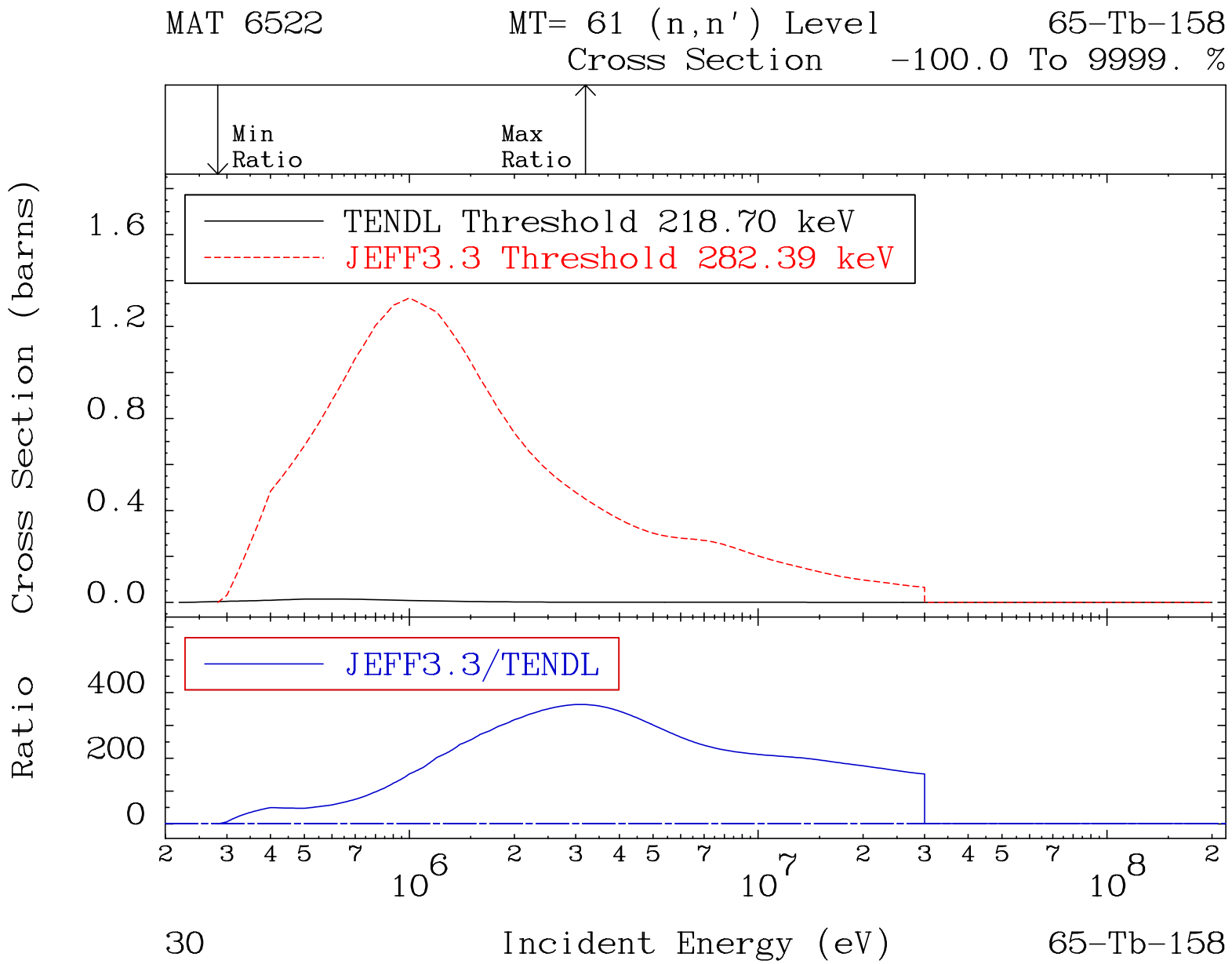

MAT 6522
MT= 56 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 185.5 %
Min Ratio
Max Ratio
TENDL Threshold 168.47 keV
JEFF3.3 Threshold 168.47 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
25
Incident Energy (eV)
65-Tb-158

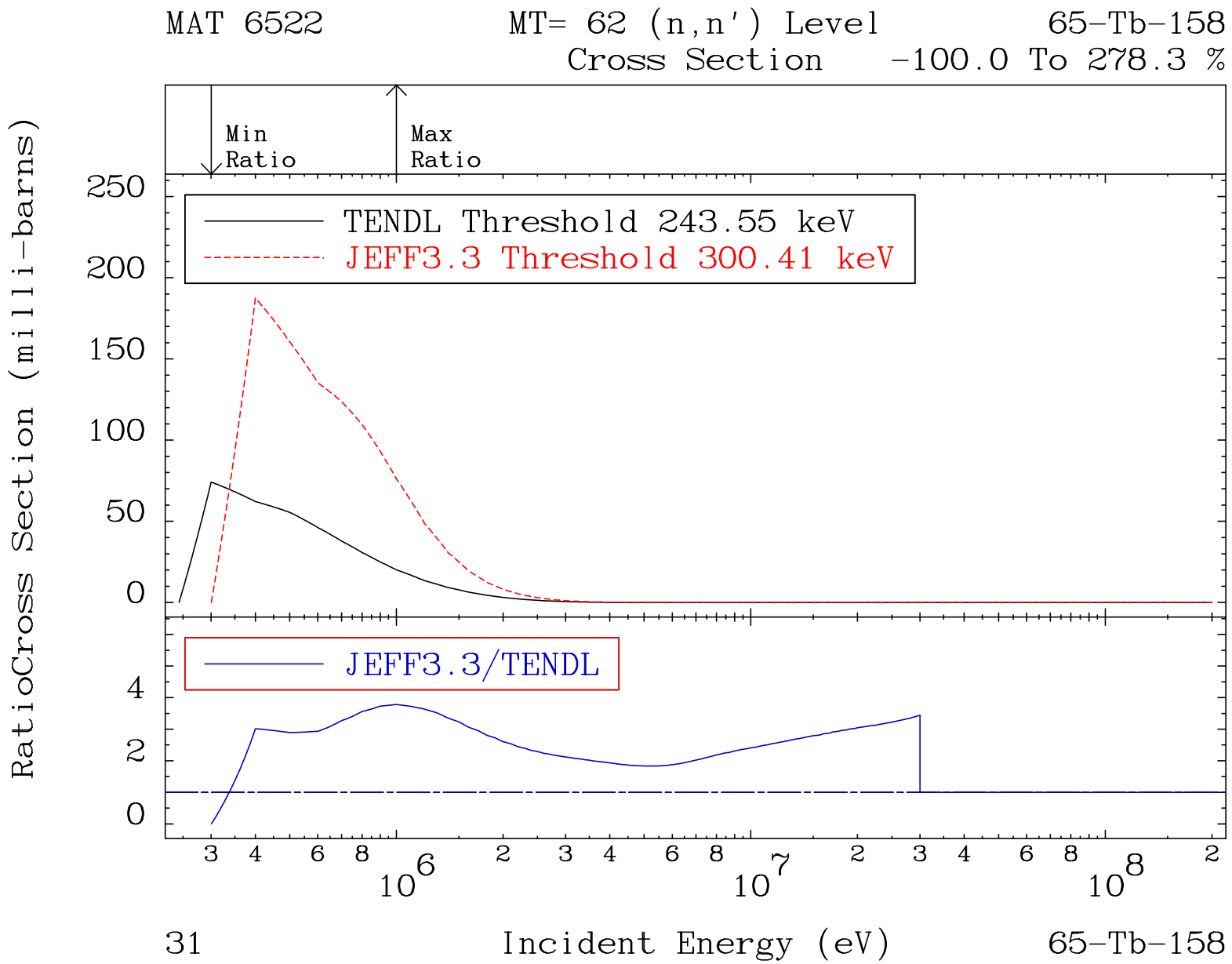

MAT 6522
MT= 57 (n,n') Level
65-Tb-158
Cross Section -100.0 To 22.90 %
Min Ratio
Max Ratio
TENDL Threshold 180.04 keV
JEFF3.3 Threshold 180.04 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
26
Incident Energy (eV)
65-Tb-158

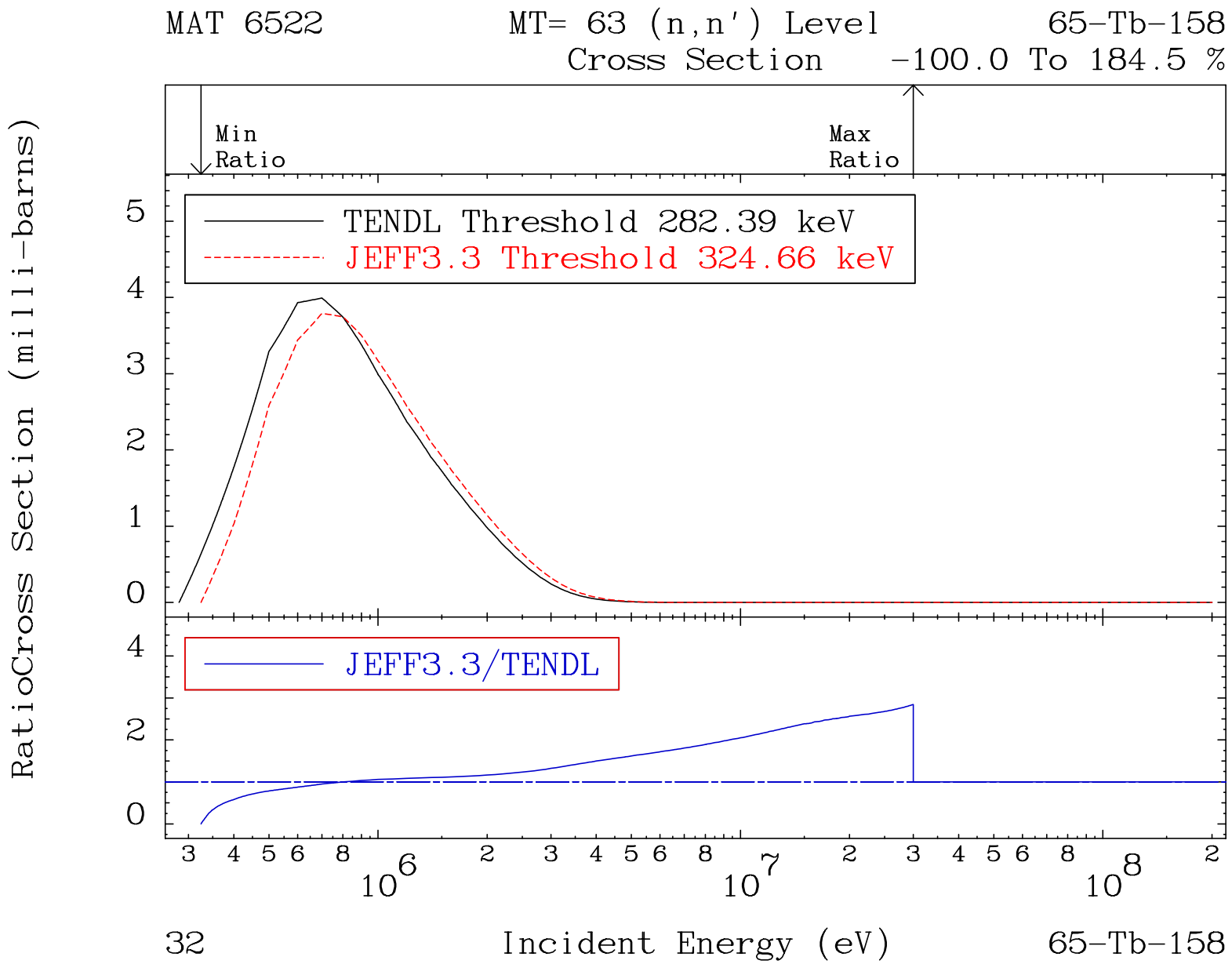

MAT 6522
MT= 58 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 194.63 keV
JEFF3.3 Threshold 209.13 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
27
Incident Energy (eV)
65-Tb-158

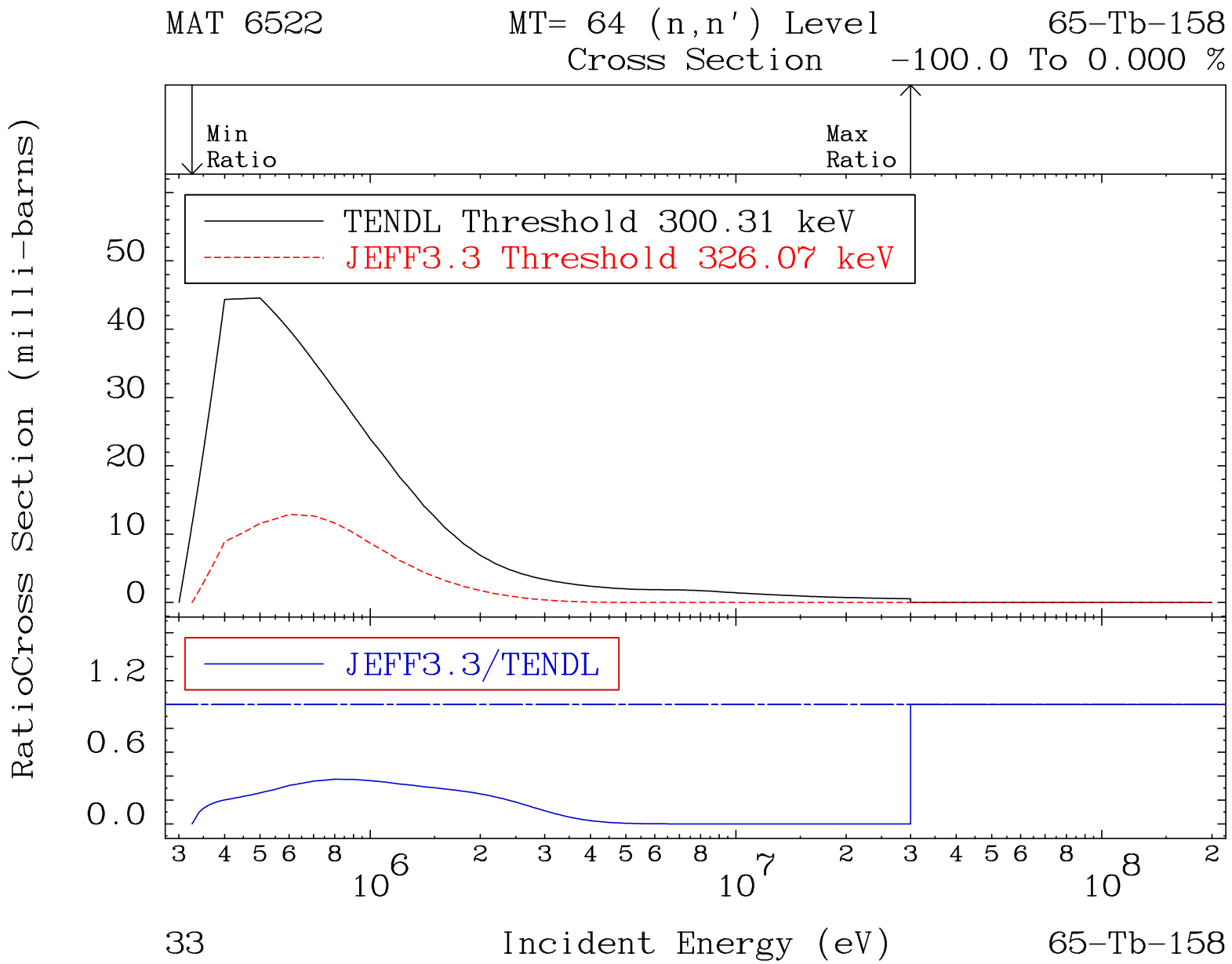

MAT 6522
MT= 59 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 209.13 keV
JEFF3.3 Threshold 218.69 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
28
Incident Energy (eV)
65-Tb-158

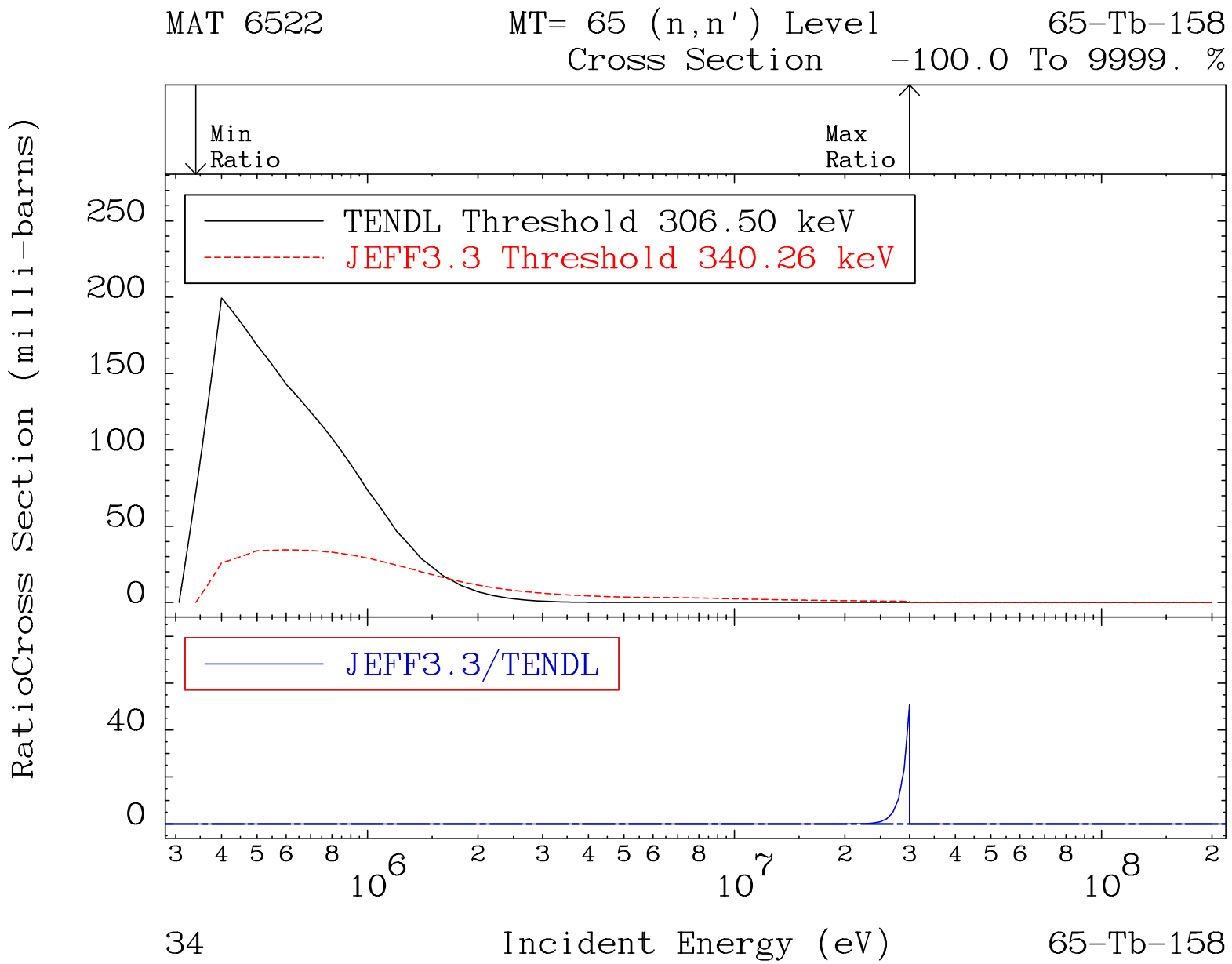

MAT 6522
MT= 60 (n,n') Level
65-Tb-158
Cross Section -100.0 To 19.67 %
Max
Ratio
TENDL Threshold 213.96 keV
JEFF3.3 Threshold 243.55 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
29
Incident Energy (eV)
65-Tb-158

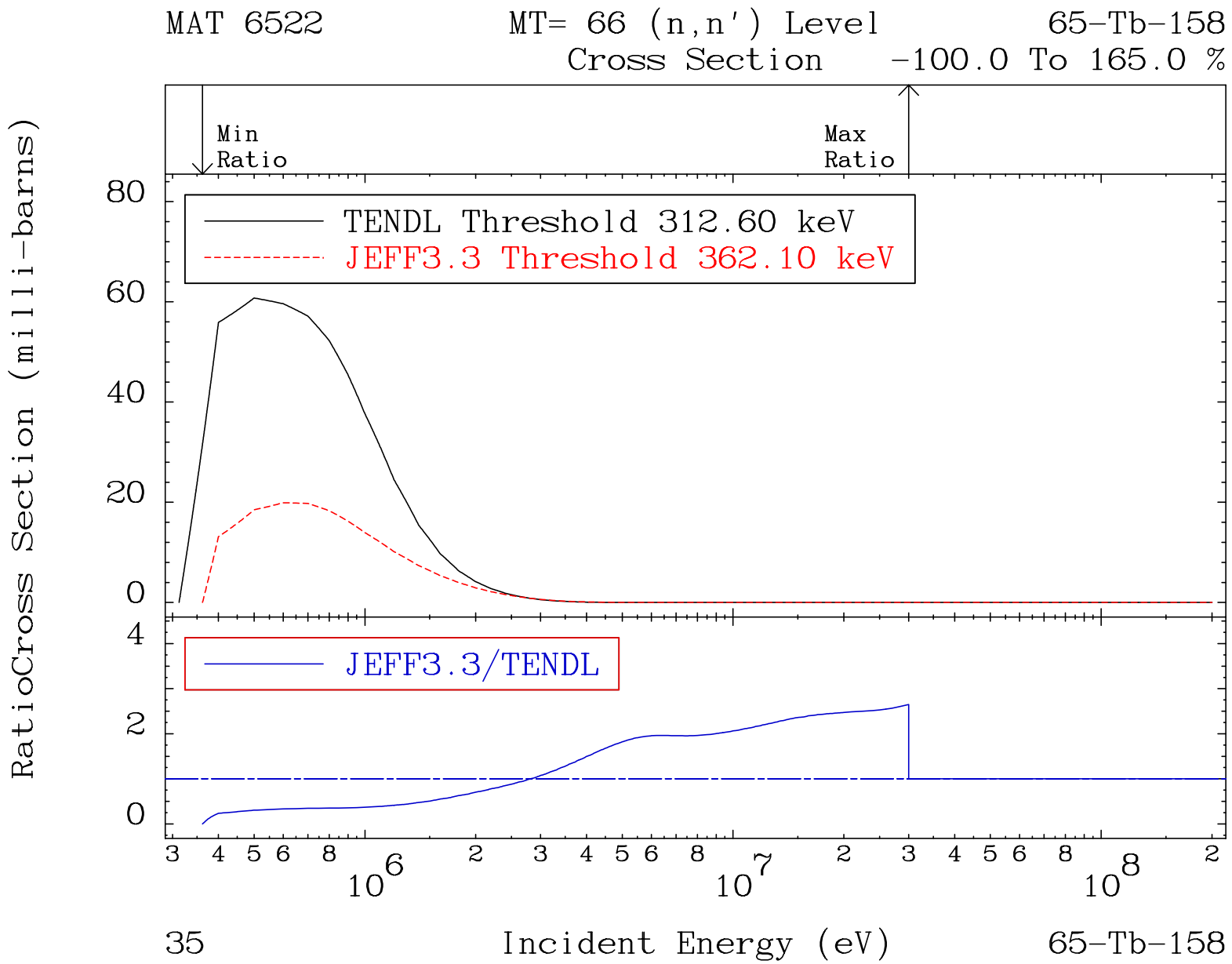

MAT 6522
MT= 61 (n,n') Level
65-Tb-158
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 218.70 keV
JEFF3.3 Threshold 282.39 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
400
200
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
30
Incident Energy (eV)
65-Tb-158

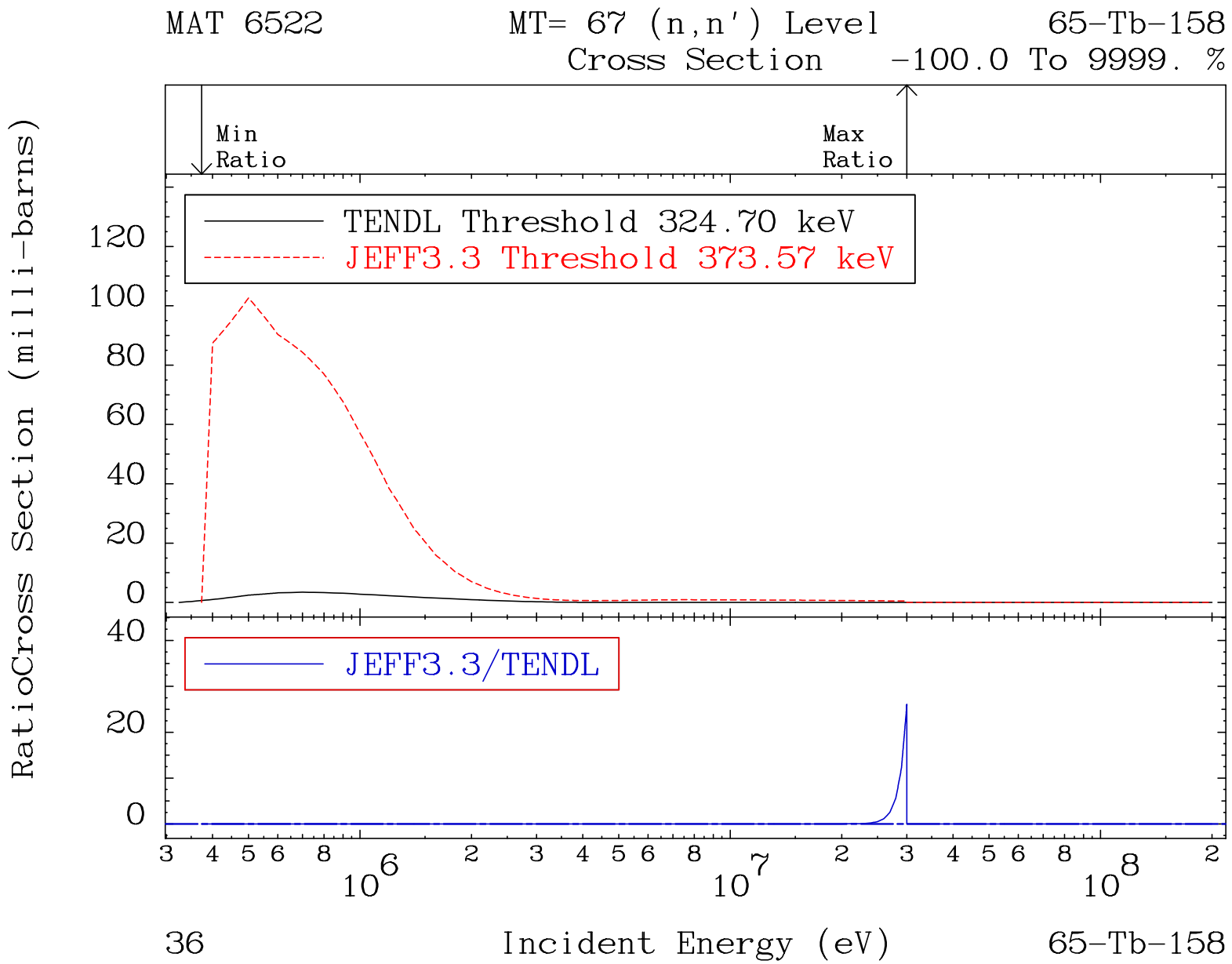

MAT 6522
MT= 62 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 278.3 %
Min Ratio
Max Ratio
TENDL Threshold 243.55 keV
JEFF3.3 Threshold 300.41 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
4
2
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
31
Incident Energy (eV)
65-Tb-158

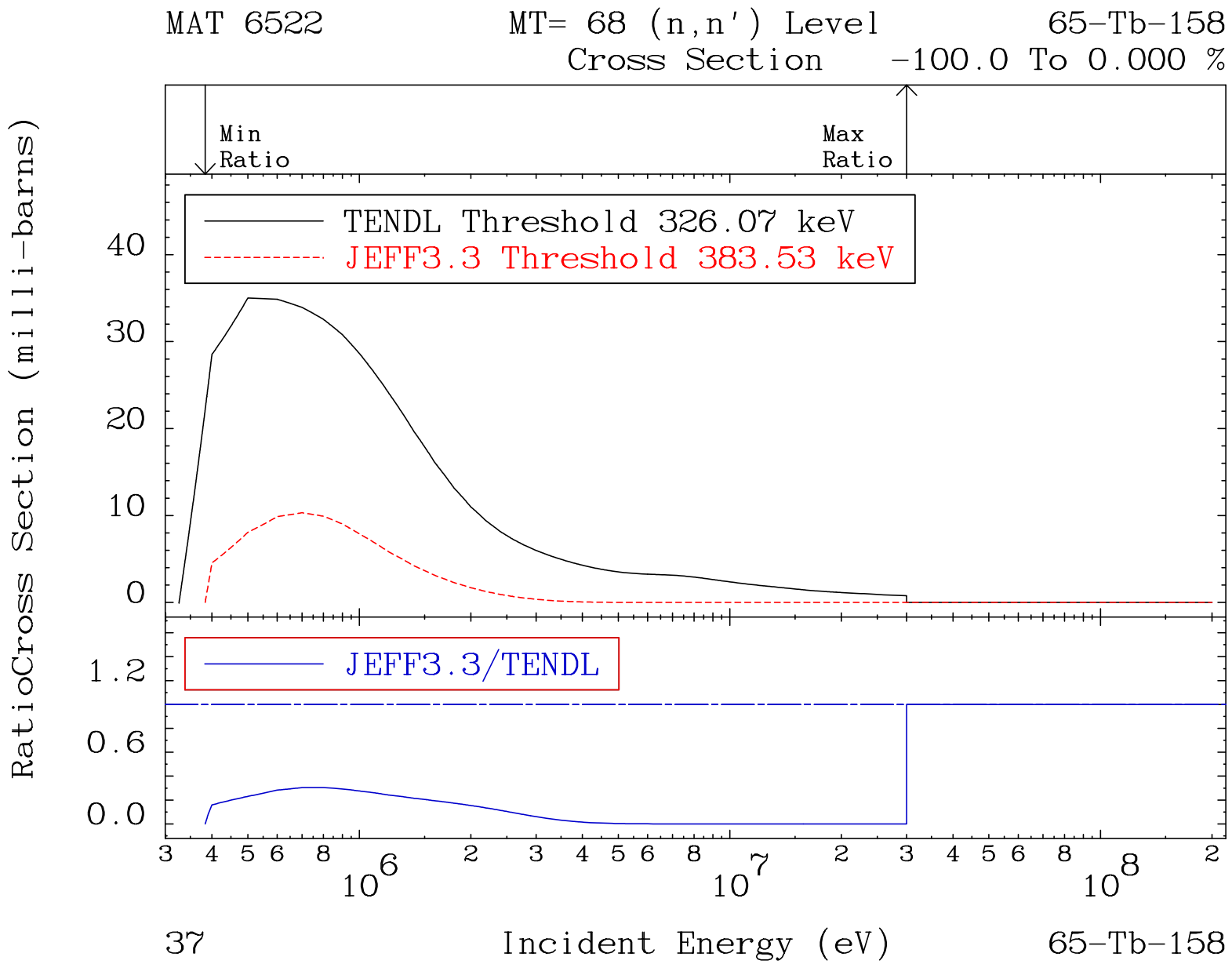

MAT 6522
MT= 63 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 184.5 %
Min Ratio
Max Ratio
TENDL Threshold 282.39 keV
JEFF3.3 Threshold 324.66 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
65-Tb-158

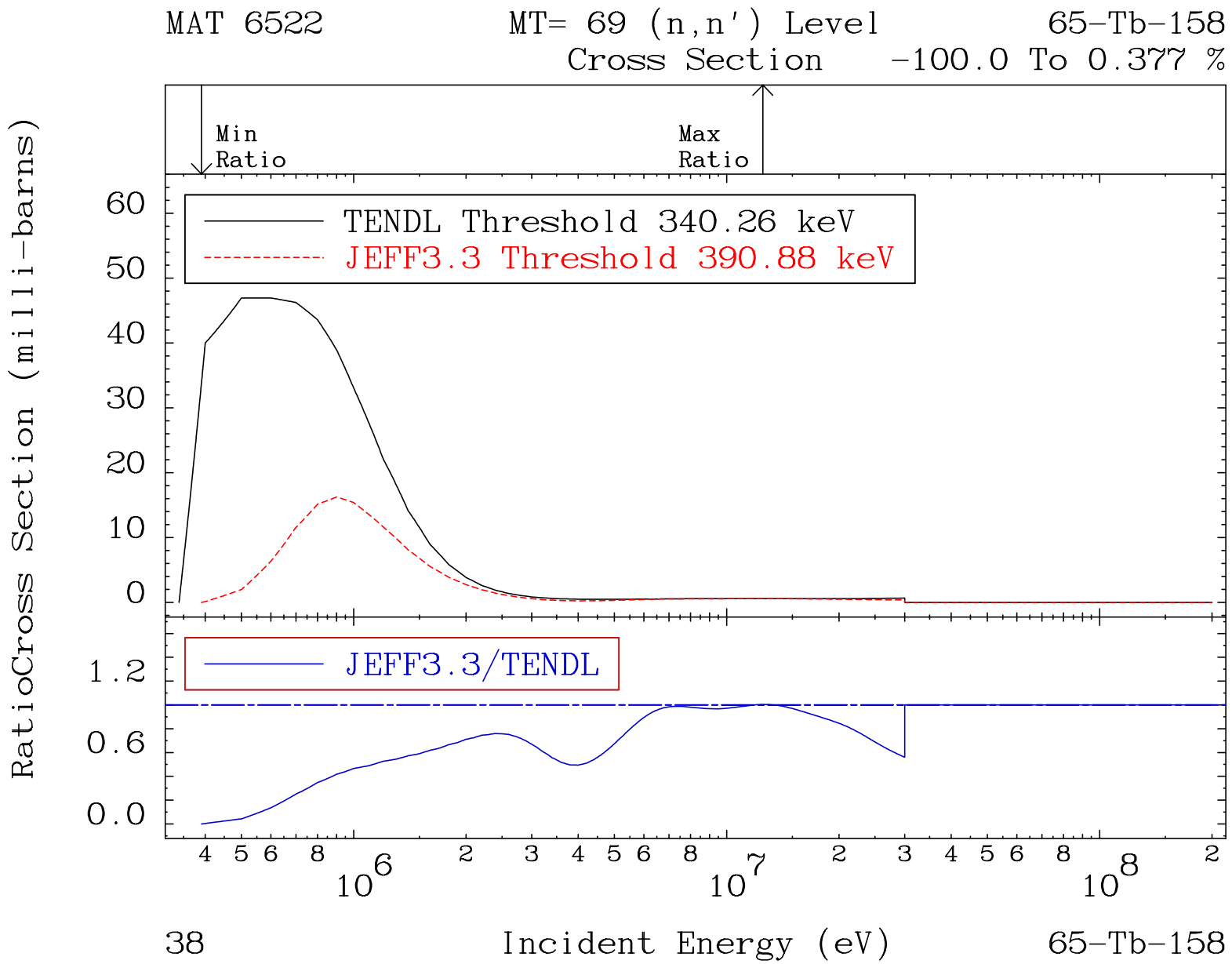

MAT 6522
MT= 64 (n,n') Level
65-Tb-158
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 300.31 keV
JEFF3.3 Threshold 326.07 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
65-Tb-158

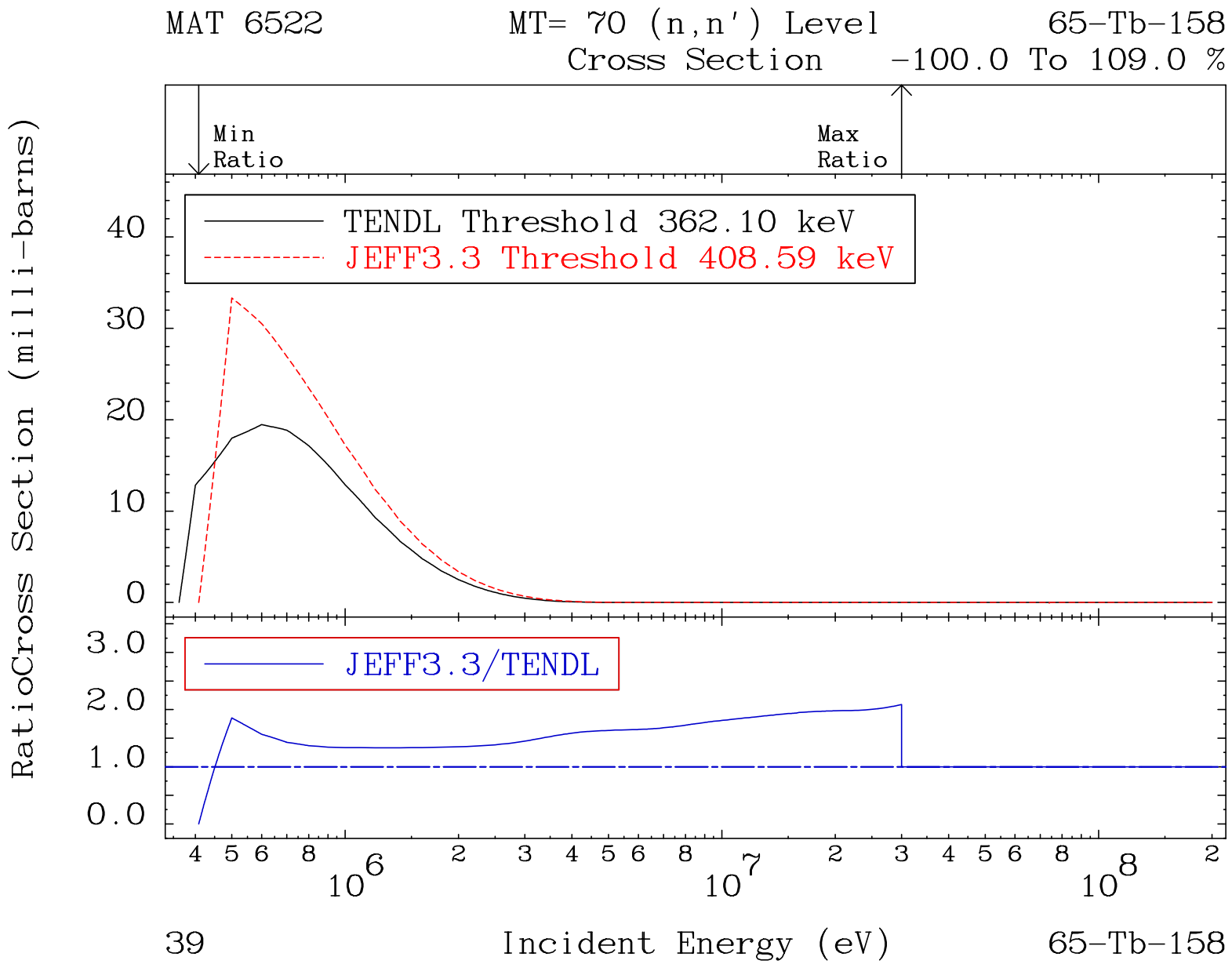

MAT 6522
MT= 65 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 306.50 keV
JEFF3.3 Threshold 340.26 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
65-Tb-158

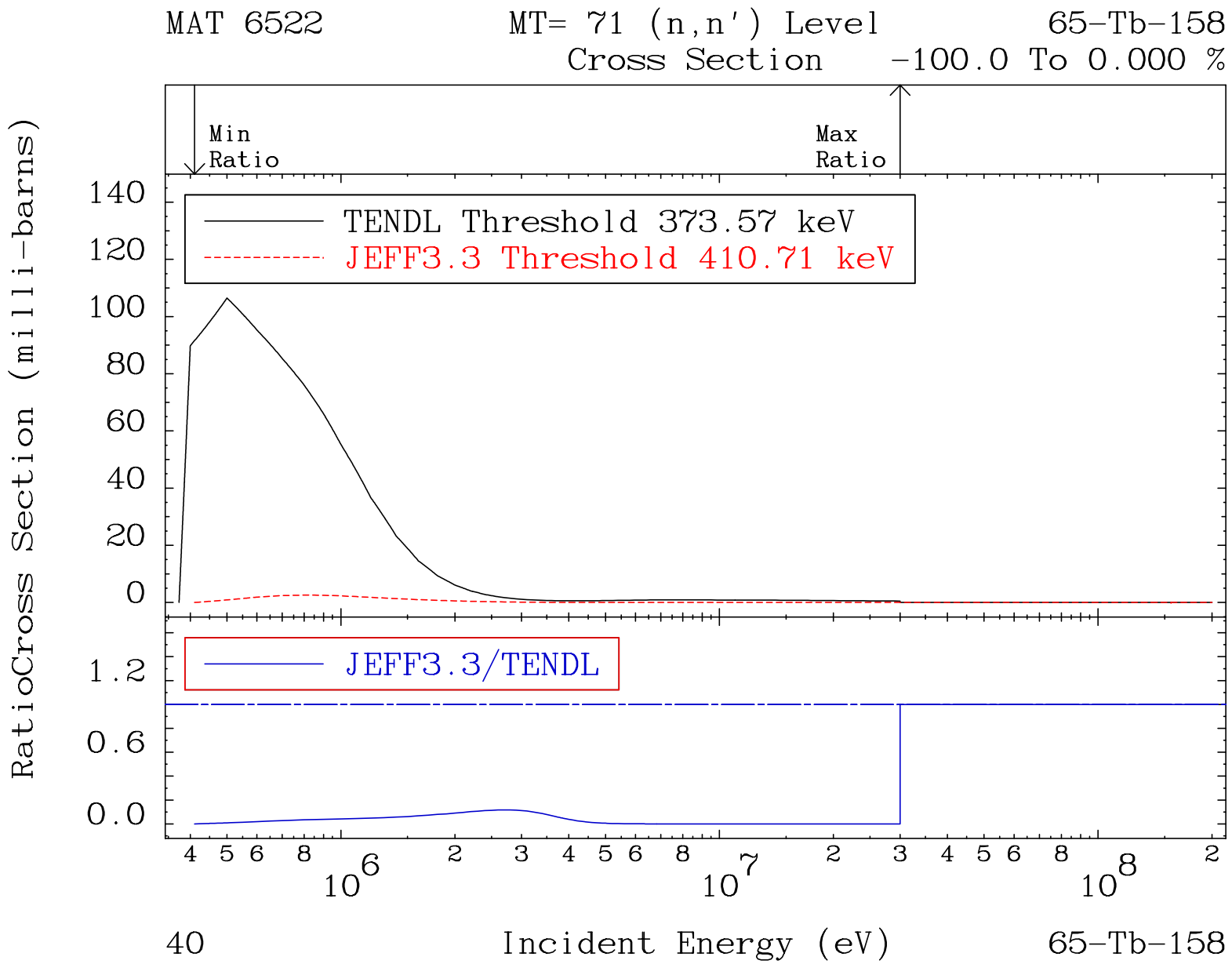

MAT 6522
MT= 66 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 165.0 %
Min Ratio
Max Ratio
TENDL Threshold 312.60 keV
JEFF3.3 Threshold 362.10 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
65-Tb-158

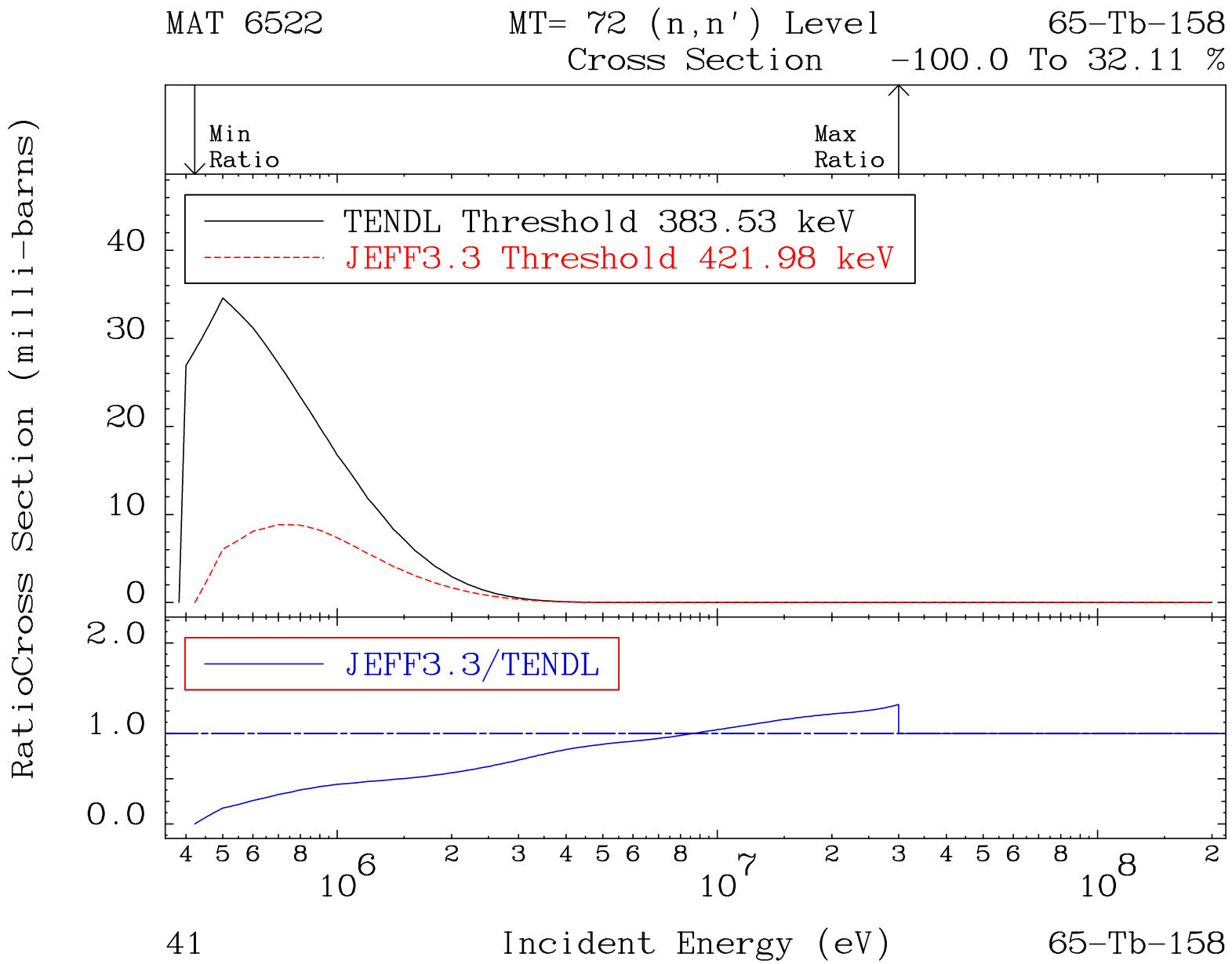

MAT 6522
MT= 67 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 324.70 keV
JEFF3.3 Threshold 373.57 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
40
20
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
65-Tb-158

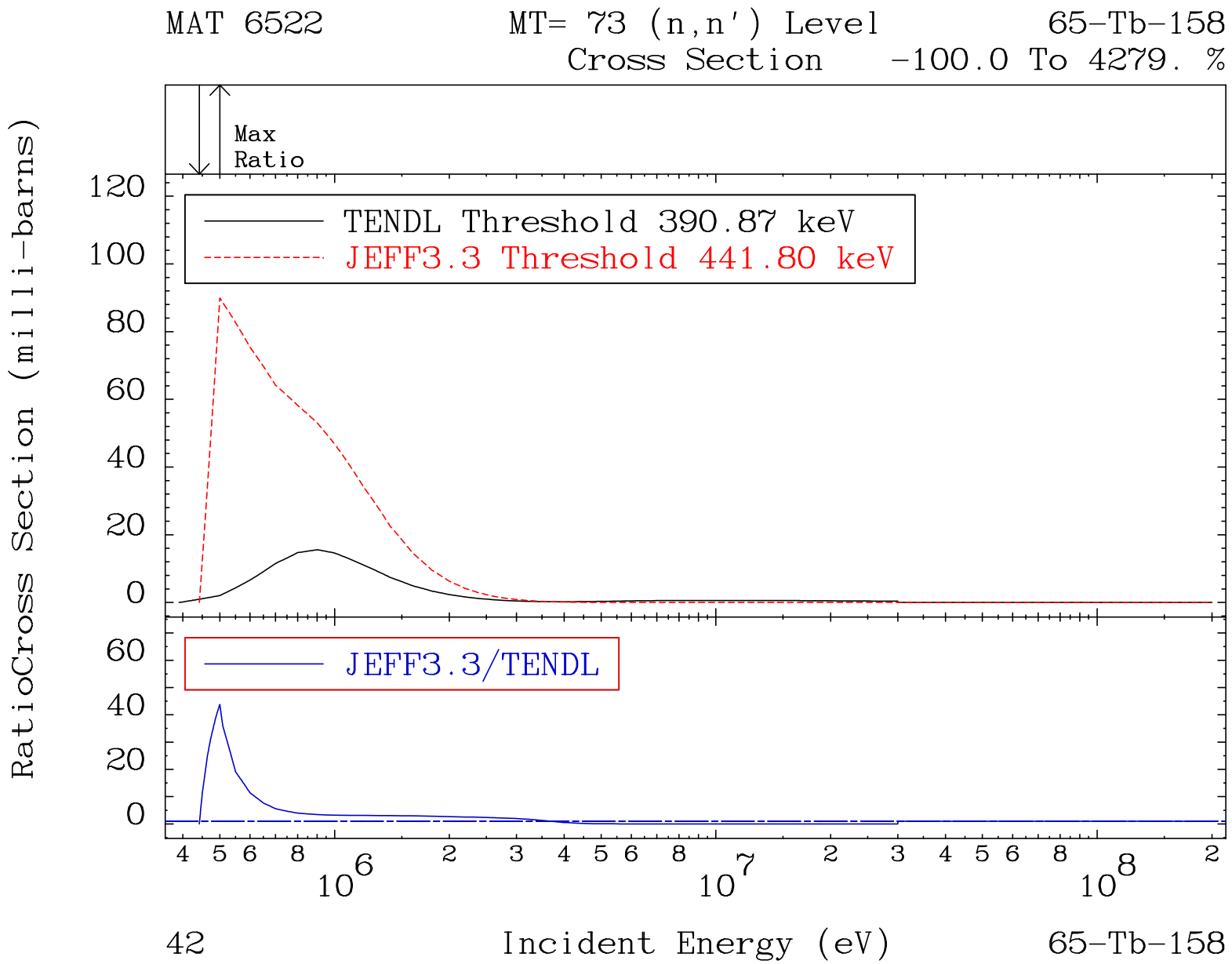

MAT 6522
MT= 68 (n,n') Level
65-Tb-158
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 326.07 keV
JEFF3.3 Threshold 383.53 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
65-Tb-158

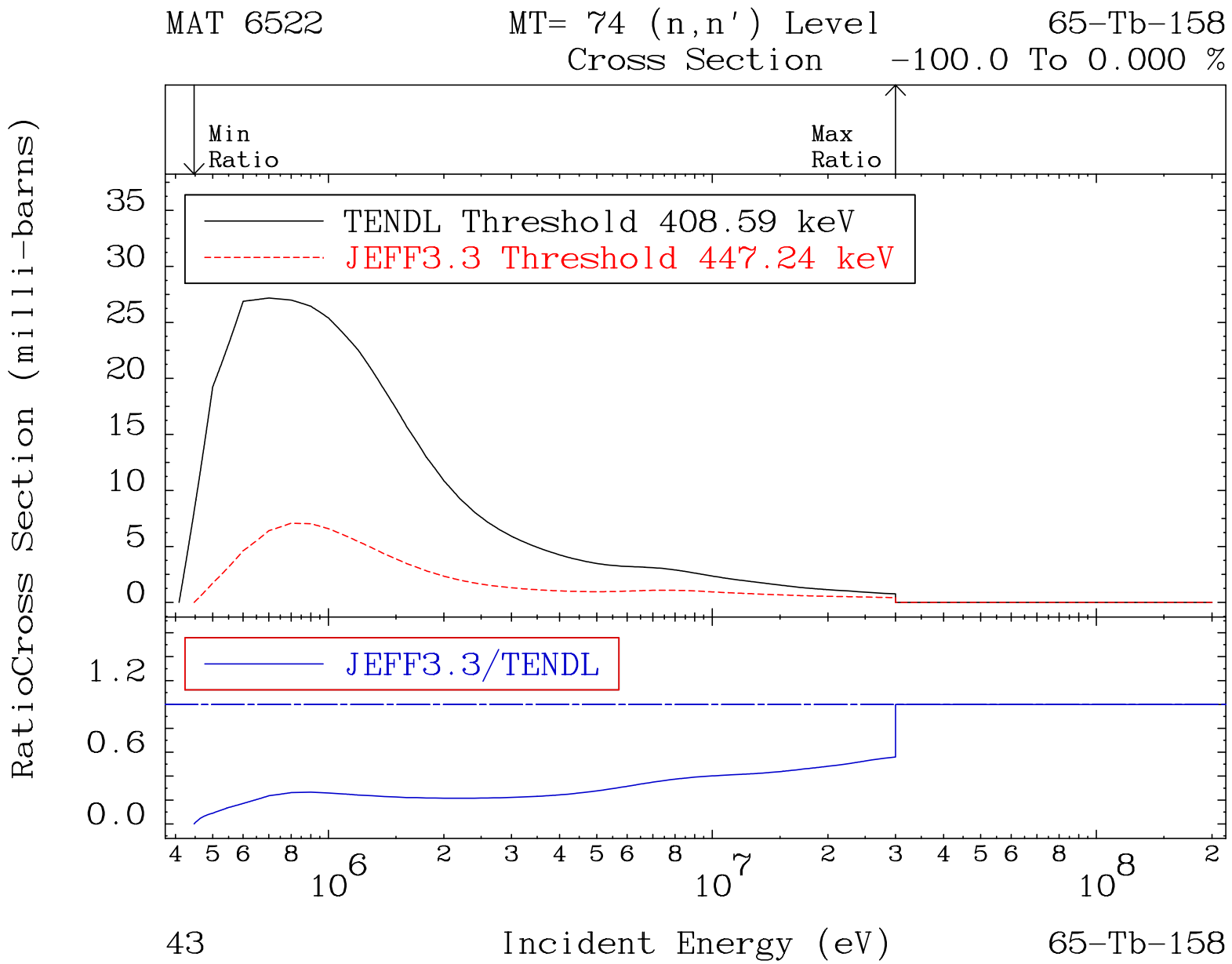

MAT 6522
MT= 69 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 0.377 %
Min Ratio
Max Ratio
TENDL Threshold 340.26 keV
JEFF3.3 Threshold 390.88 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
65-Tb-158

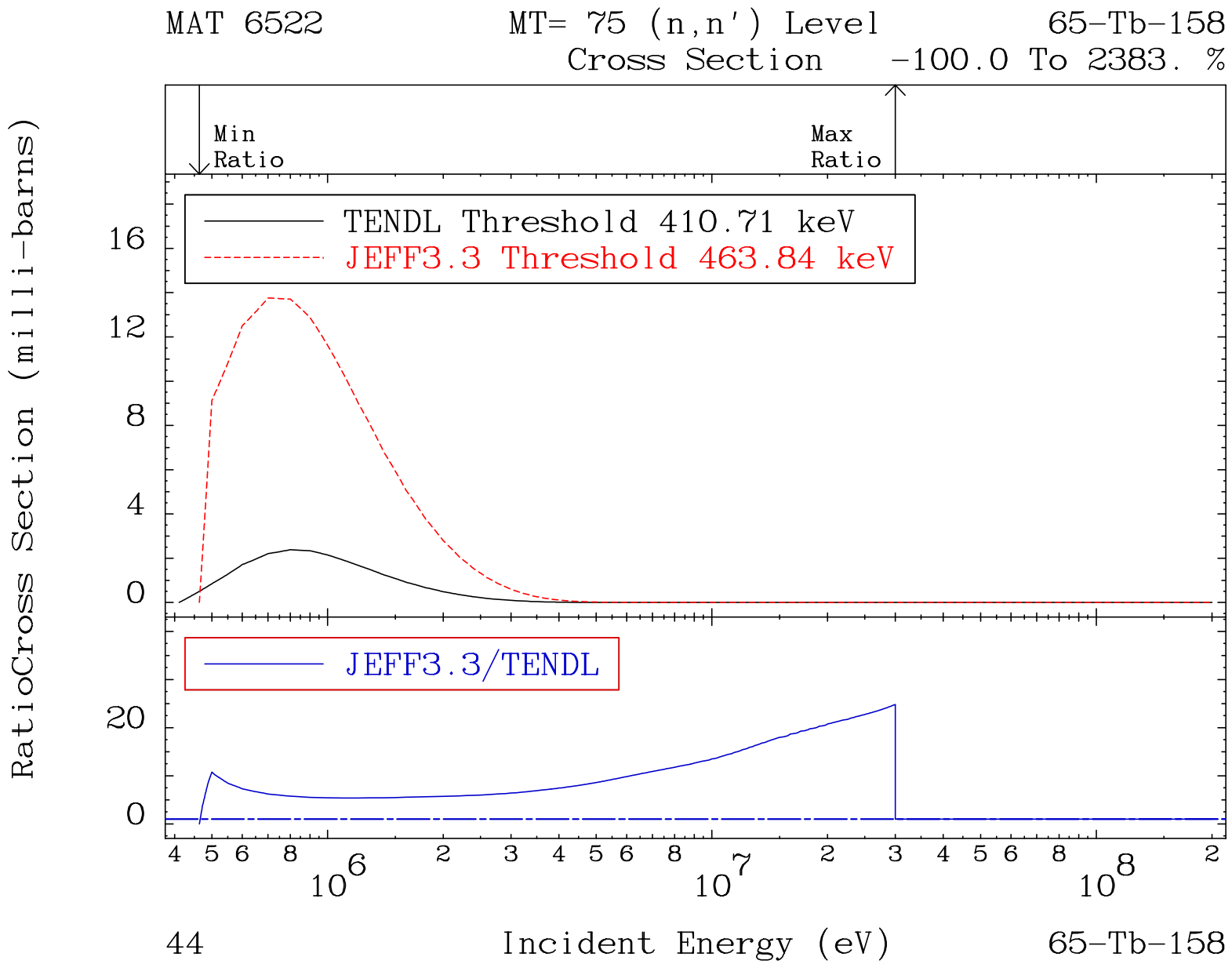

MAT 6522
MT= 70 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 109.0 %
Min Ratio
Max Ratio
TENDL Threshold 362.10 keV
JEFF3.3 Threshold 408.59 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
3.0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
65-Tb-158

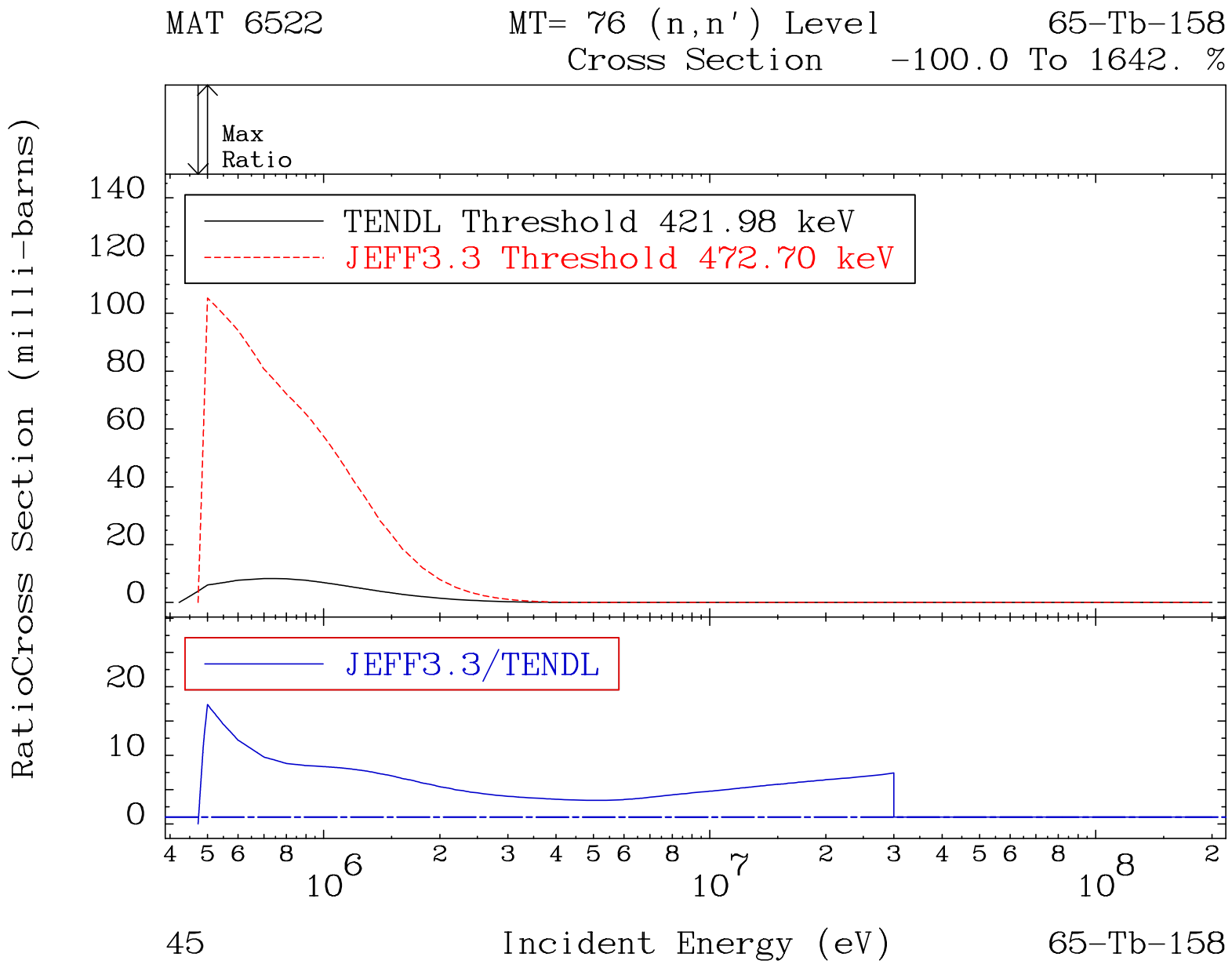

MAT 6522
MT= 71 (n,n') Level
65-Tb-158
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 373.57 keV
JEFF3.3 Threshold 410.71 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
65-Tb-158

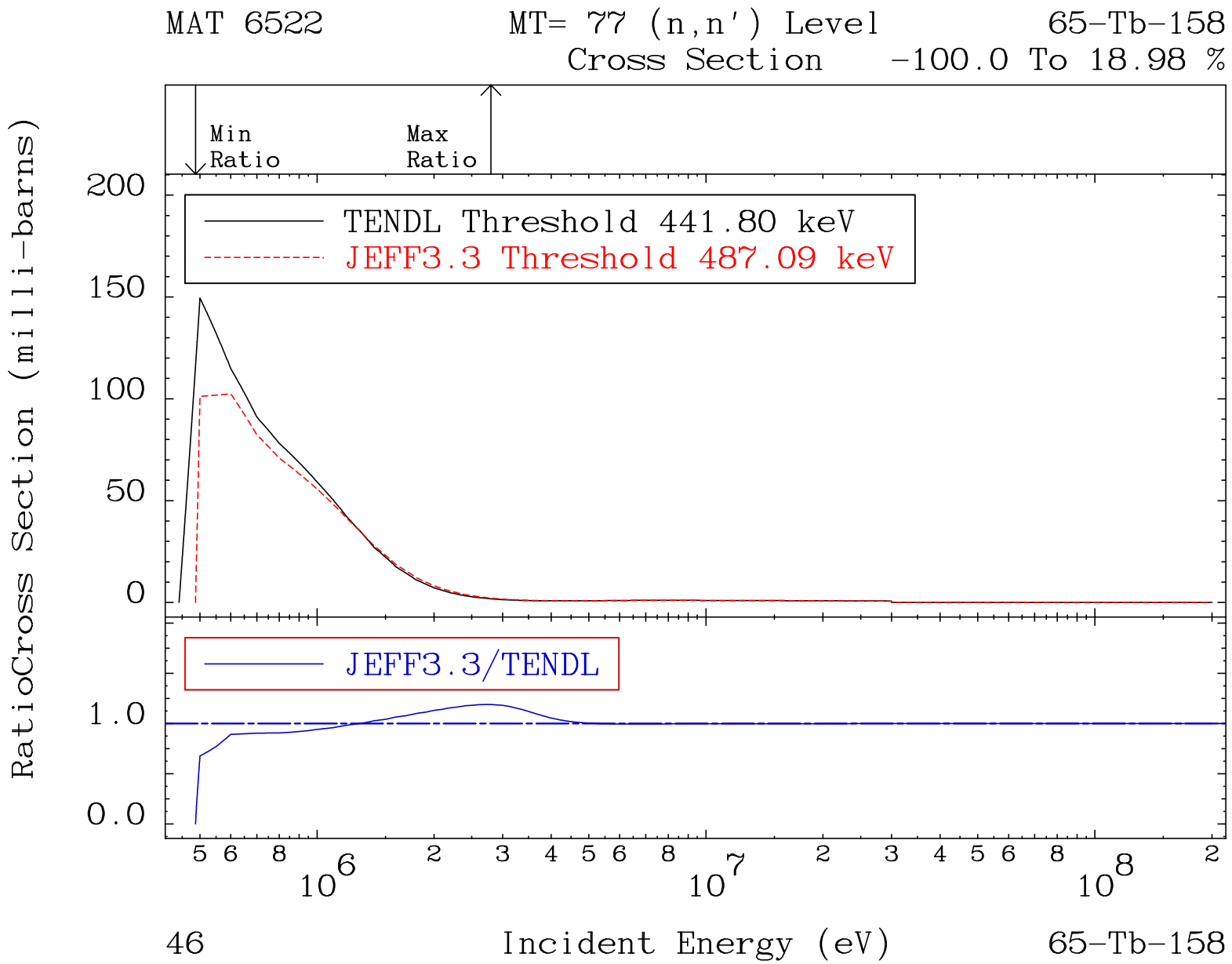

MAT 6522
MT= 72 (n,n') Level
65-Tb-158
Cross Section -100.0 To 32.11 %
Min Ratio
Max Ratio
TENDL Threshold 383.53 keV
JEFF3.3 Threshold 421.98 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
41
Incident Energy (eV)
65-Tb-158

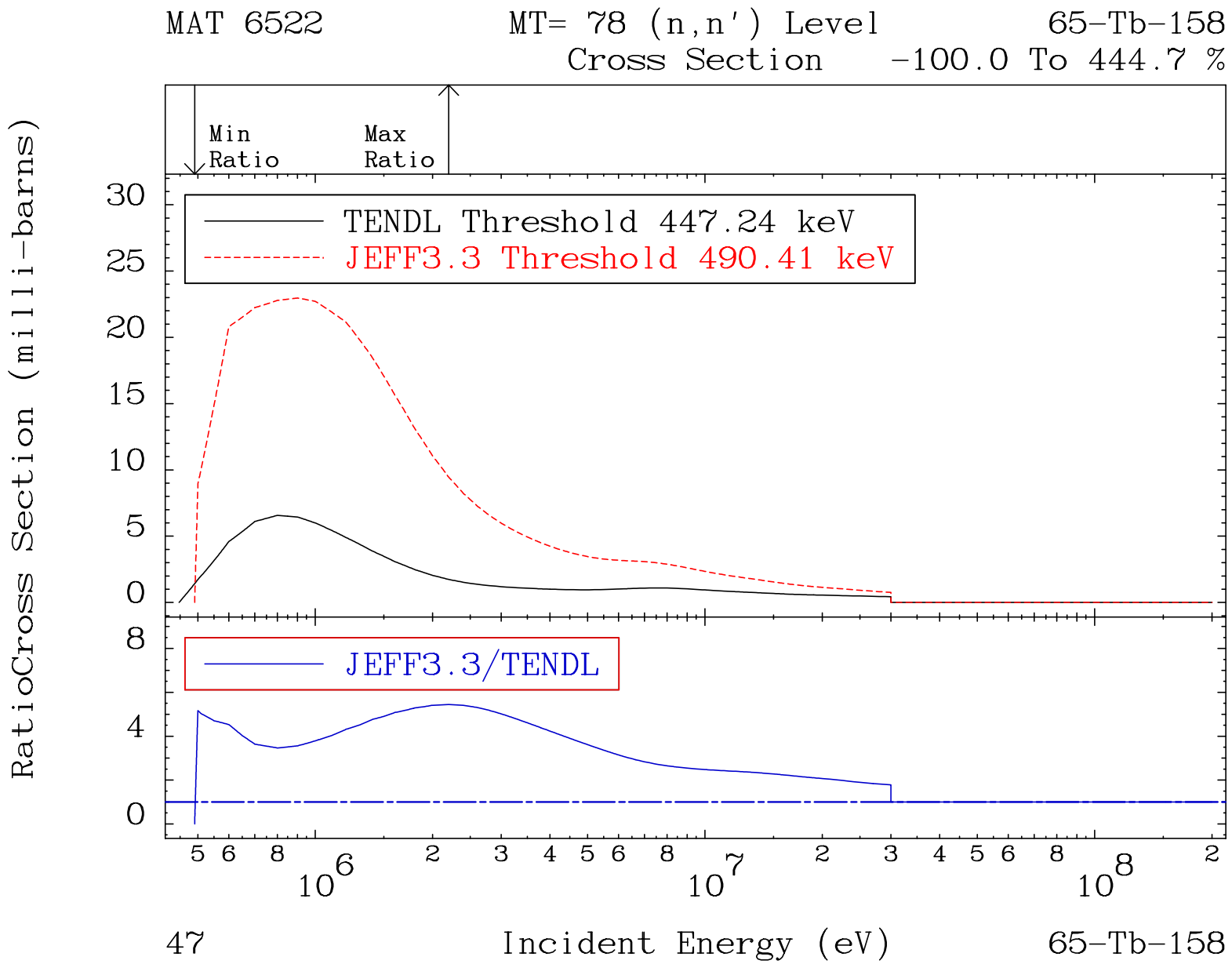

MAT 6522
MT= 73 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 4279. %
Max
Ratio
120
100
80
60
40
20
0
TENDL Threshold 390.87 keV
JEFF3.3 Threshold 441.80 keV
60
40
20
0
JEFF3.3/TENDL
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
RatioCross Section (milli-barns)
42
Incident Energy (eV)
65-Tb-158

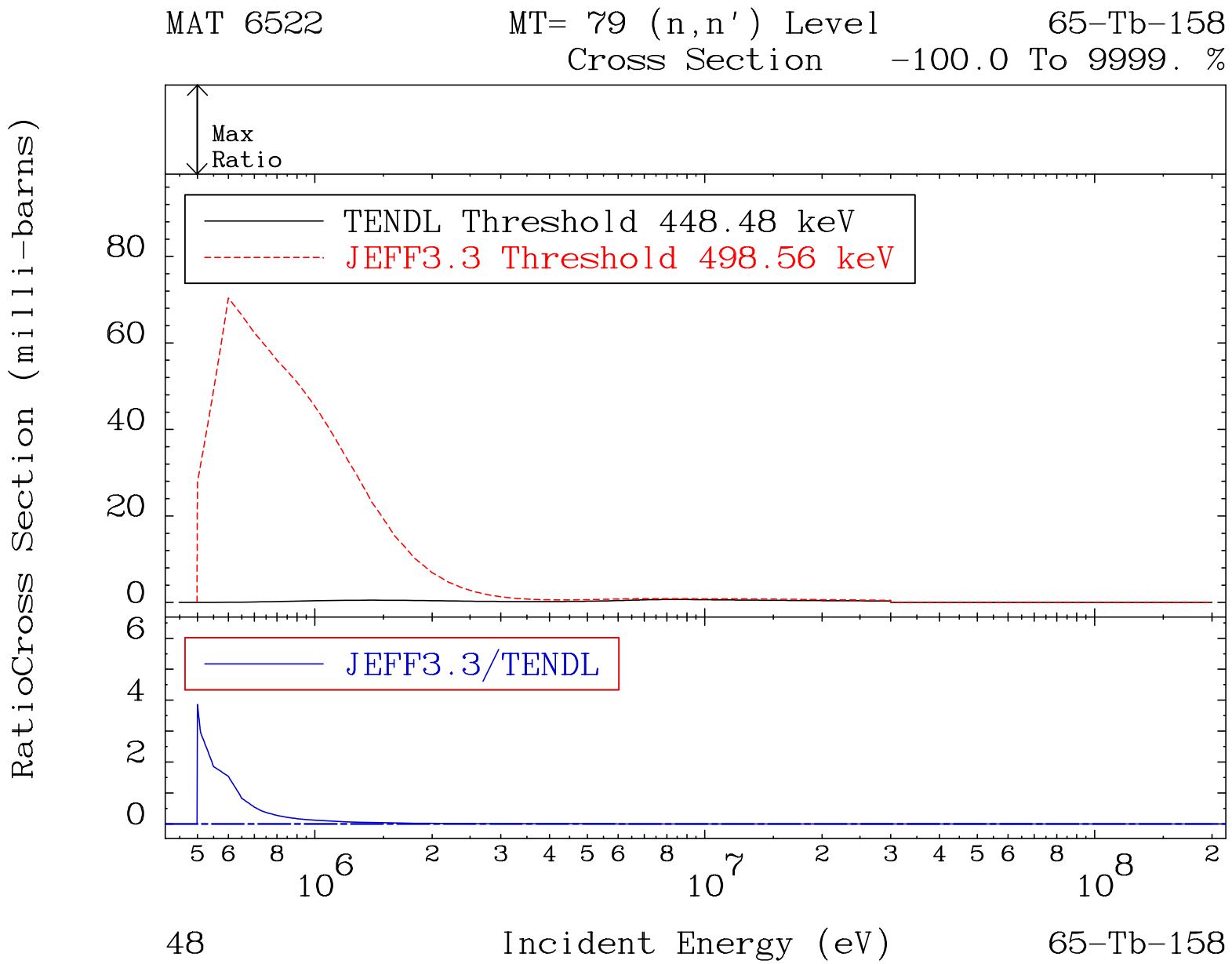

MAT 6522
MT= 74 (n,n') Level
65-Tb-158
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 408.59 keV
JEFF3.3 Threshold 447.24 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
43
Incident Energy (eV)
65-Tb-158

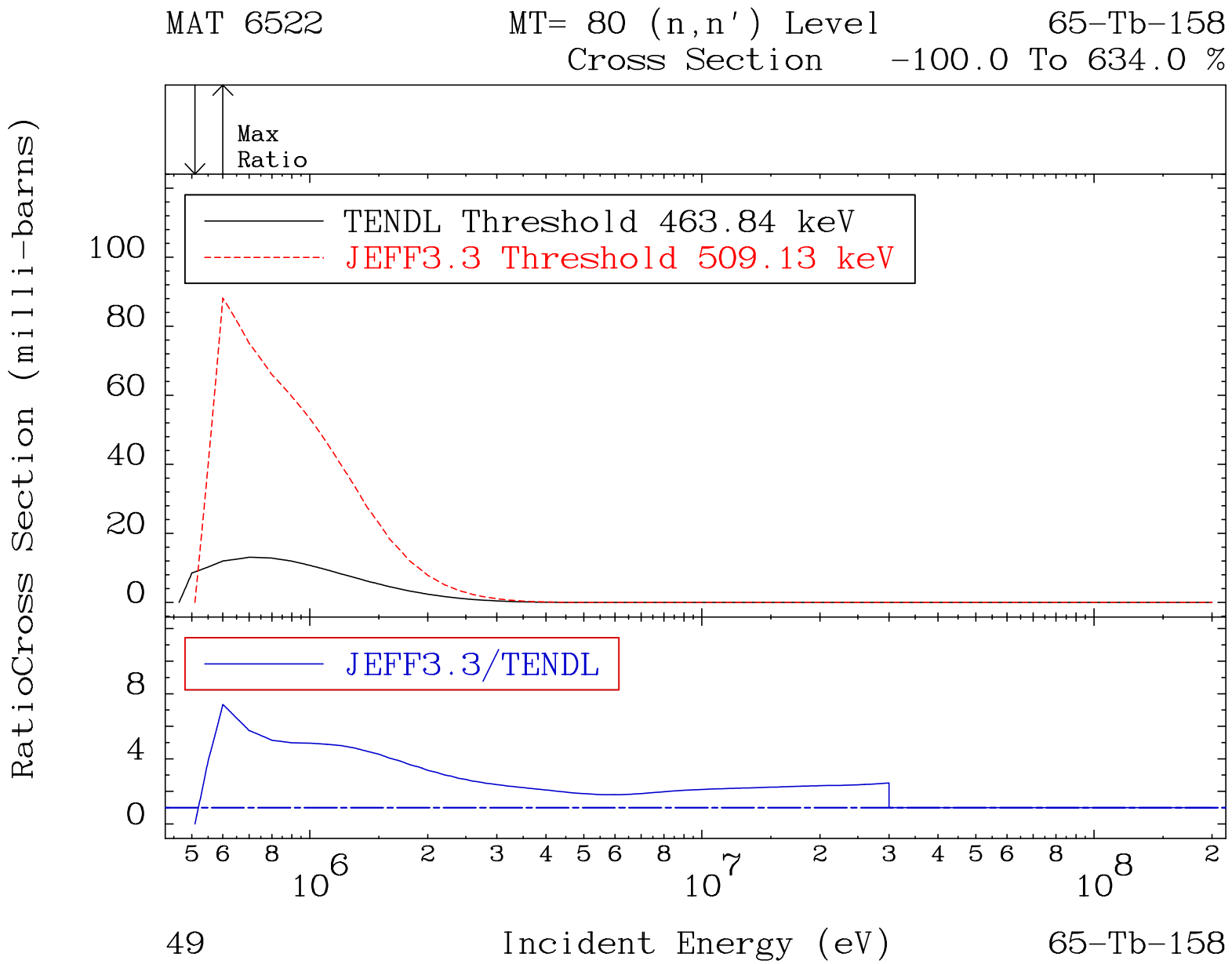

MAT 6522
MT= 75 (n,n') Level
65-Tb-158
Cross Section -100.0 To 2383. %
Min Ratio
Max Ratio
TENDL Threshold 410.71 keV
JEFF3.3 Threshold 463.84 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
20
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
44
Incident Energy (eV)
65-Tb-158

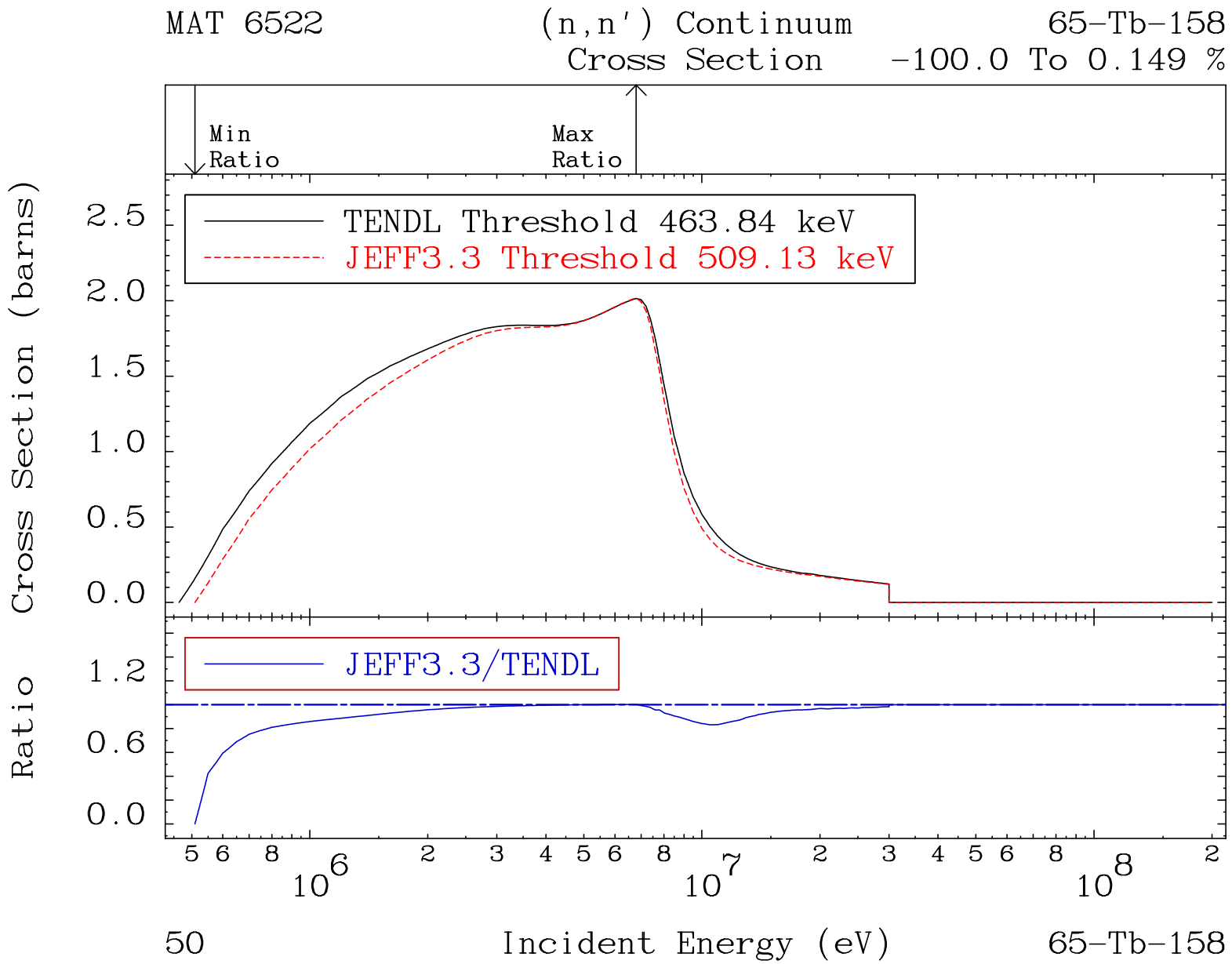

MAT 6522
MT= 76 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 1642. %
Max
Ratio
TENDL Threshold 421.98 keV
JEFF3.3 Threshold 472.70 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
20
10
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
45
Incident Energy (eV)
65-Tb-158

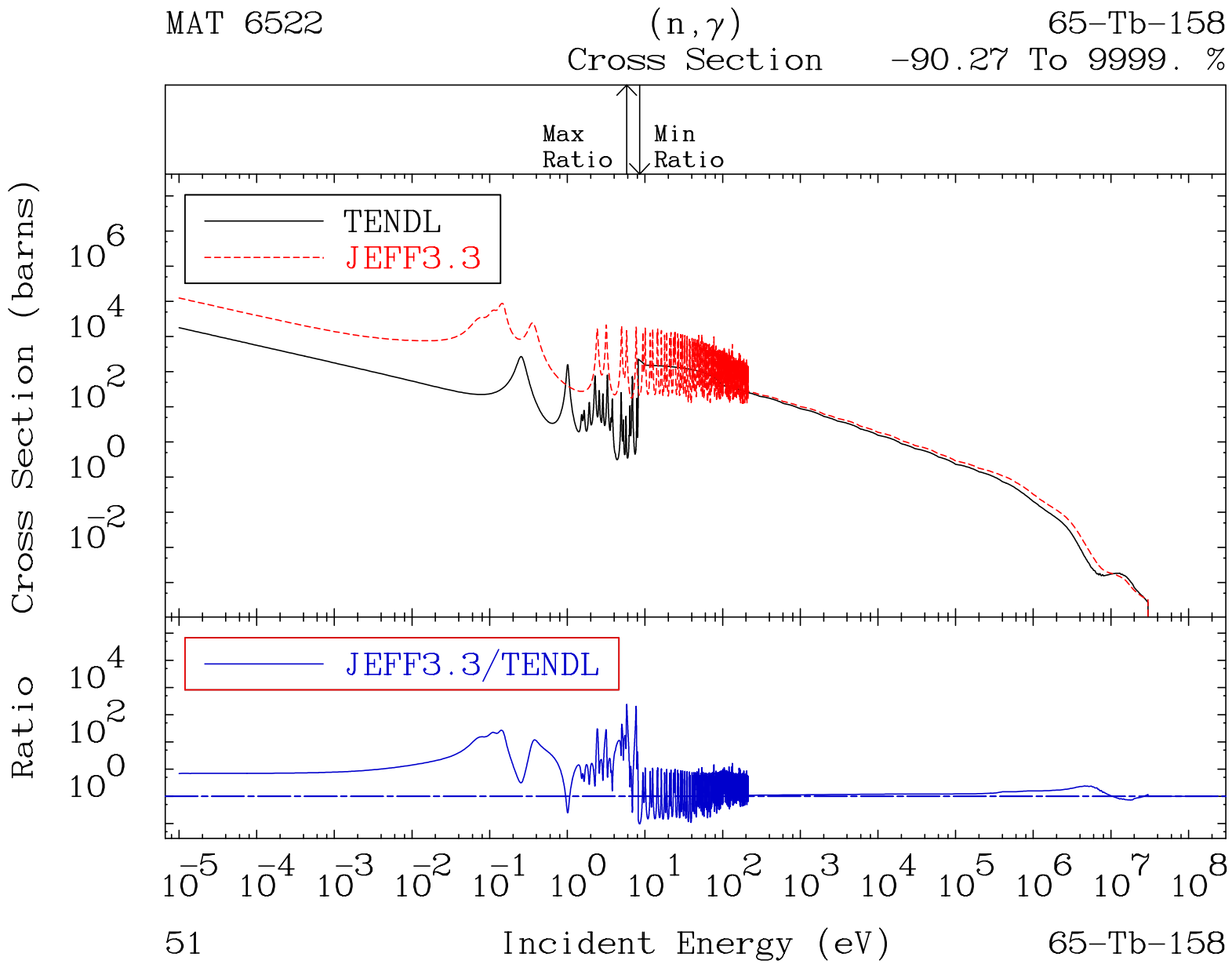

MAT 6522
MT= 77 (n,n') Level
65-Tb-158
Cross Section -100.0 To 18.98 %
Min Ratio
Max Ratio
TENDL Threshold 441.80 keV
JEFF3.3 Threshold 487.09 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
46
Incident Energy (eV)
65-Tb-158

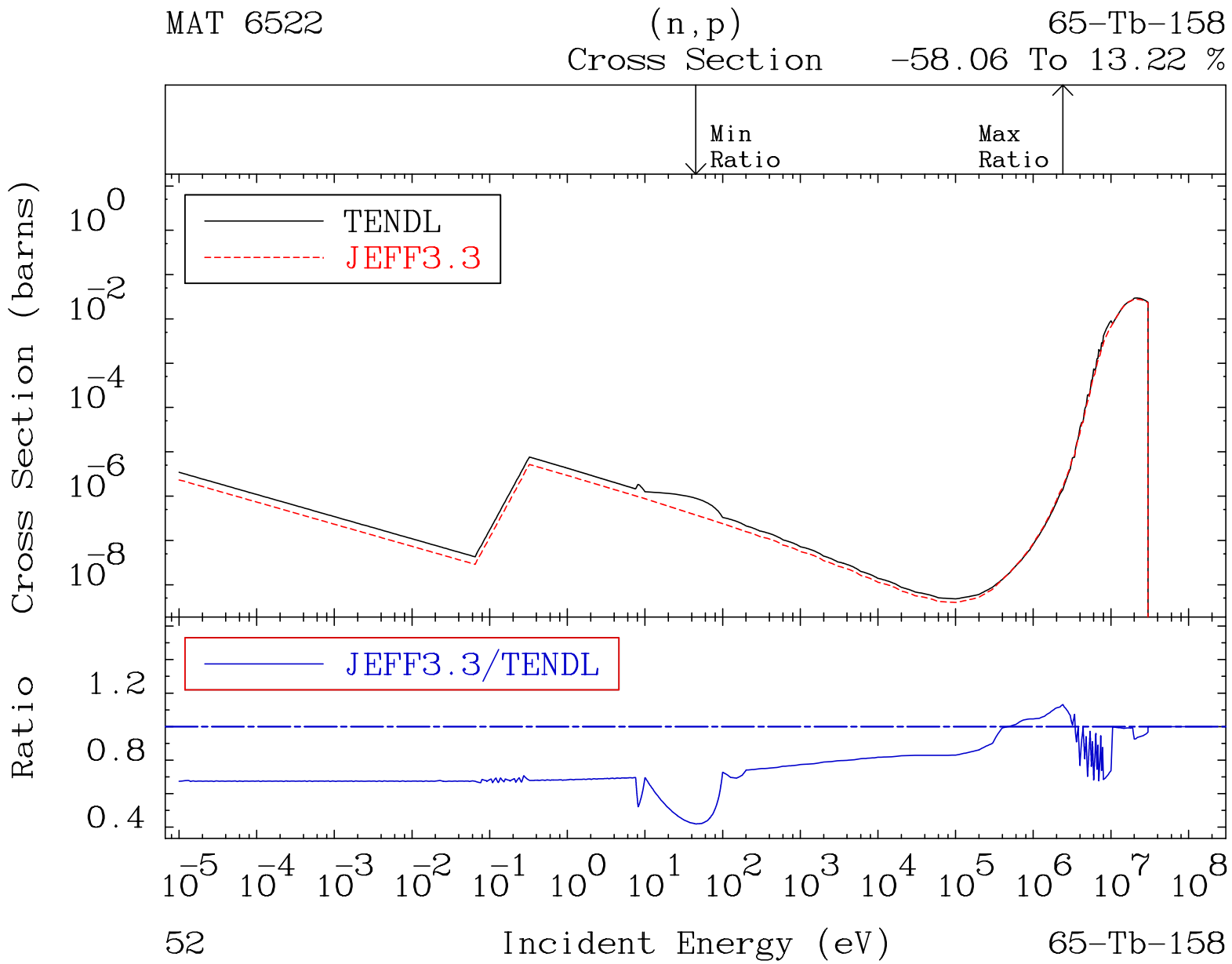

MAT 6522
MT= 78 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 444.7 %
Min Ratio
Max Ratio
TENDL Threshold 447.24 keV
JEFF3.3 Threshold 490.41 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
8
4
0
5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
47
Incident Energy (eV)
65-Tb-158

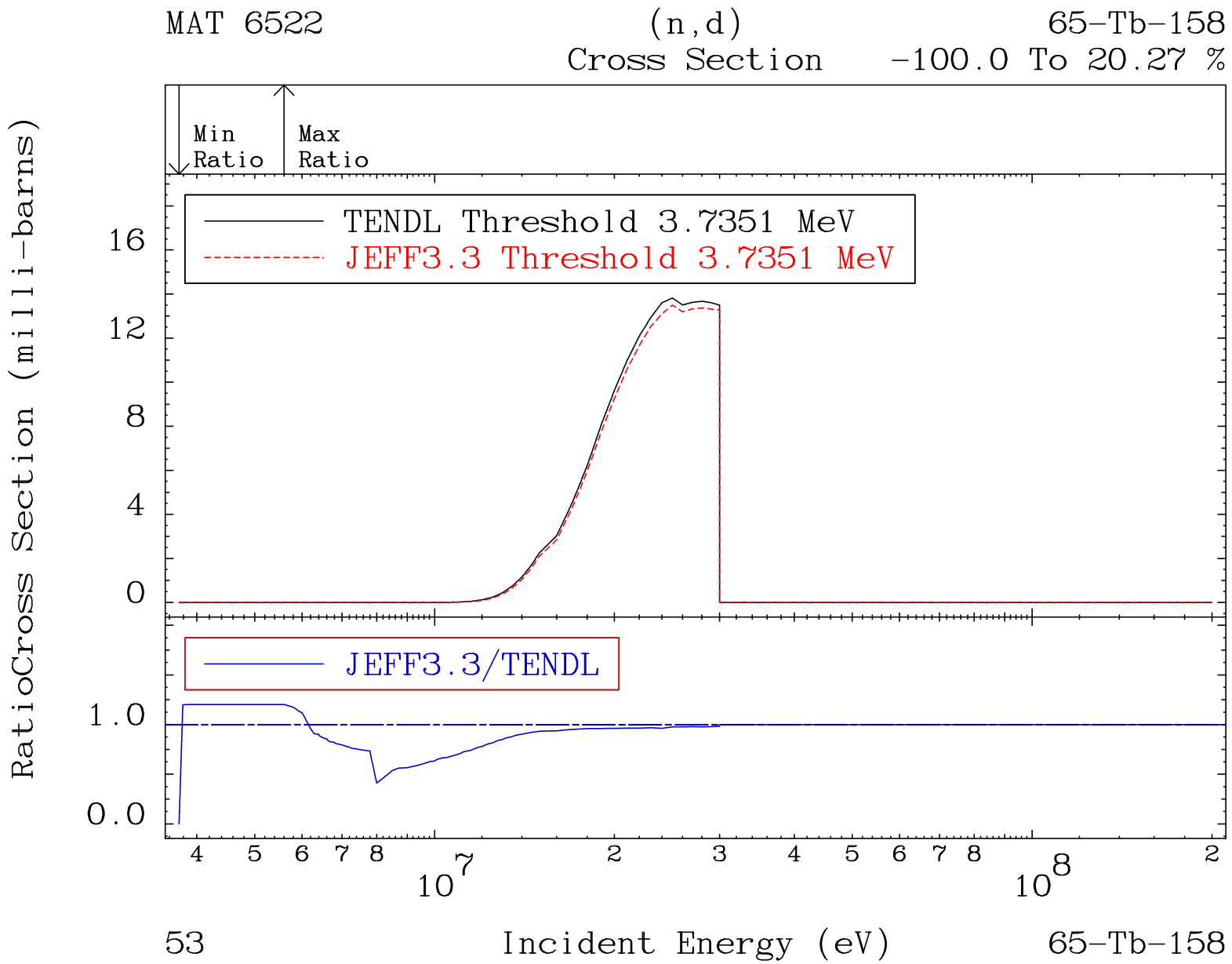

MAT 6522
MT= 79 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 448.48 keV
JEFF3.3 Threshold 498.56 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
48
65-Tb-158

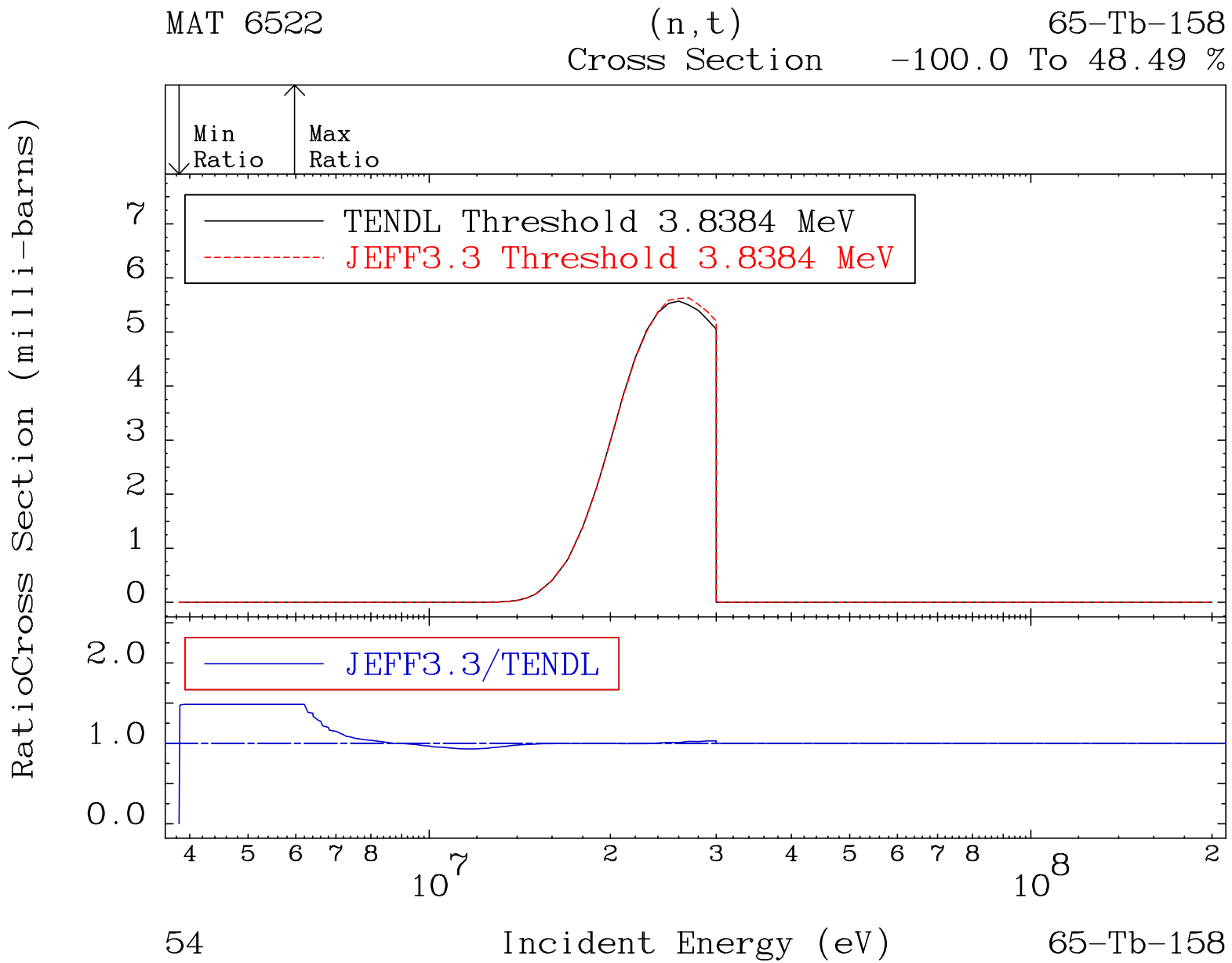

MAT 6522
MT= 80 (n,n') Level
65-Tb-158
Cross Section
-100.0 To 634.0 %
Max
Ratio
TENDL Threshold 463.84 keV
JEFF3.3 Threshold 509.13 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
8
4
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
49
Incident Energy (eV)
65-Tb-158

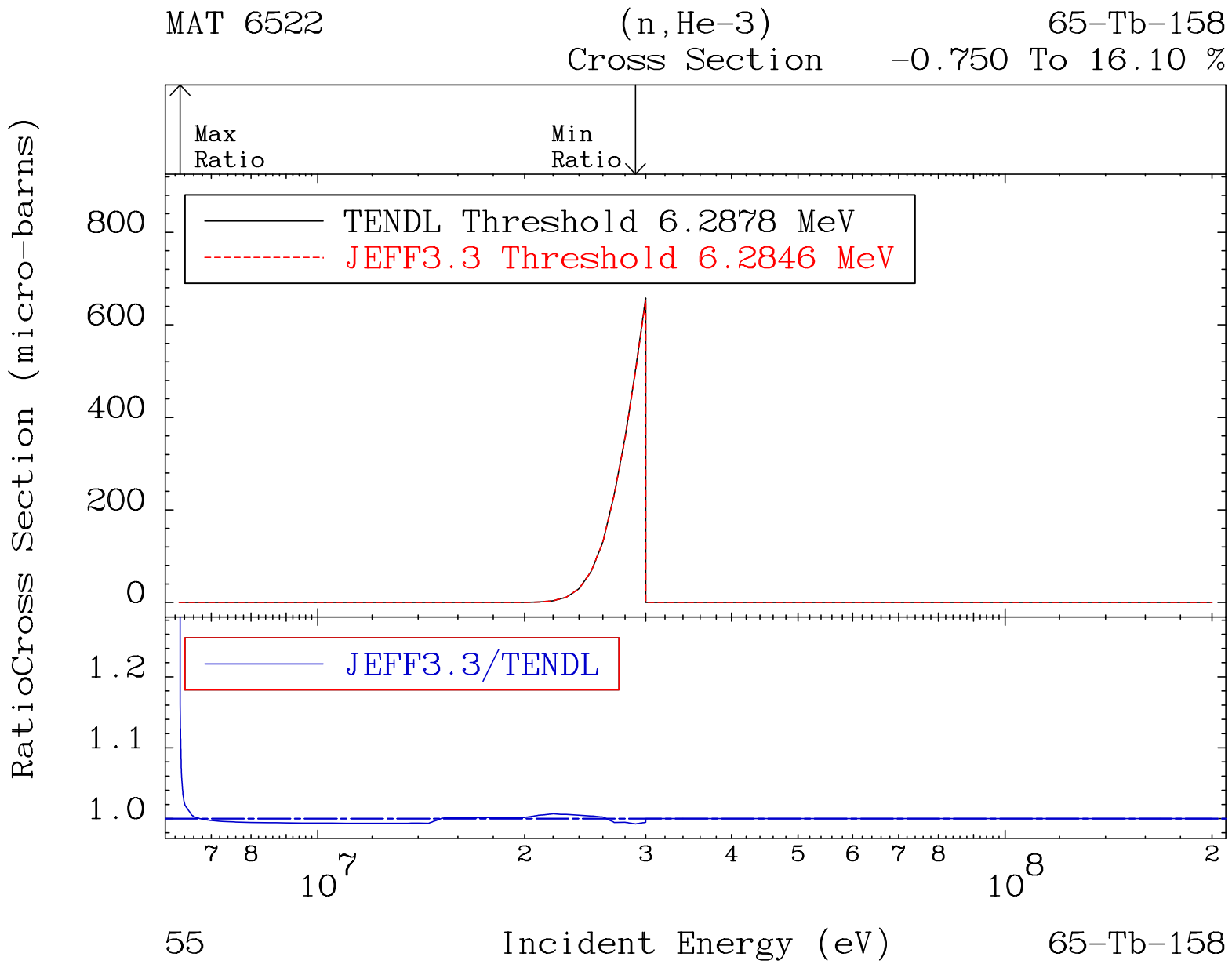

MAT 6522
(n,n') Continuum
Cross Section
65-Tb-158
-100.0 To 0.149 %
Min Ratio
Max Ratio
TENDL Threshold 463.84 keV
JEFF3.3 Threshold 509.13 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
65-Tb-158

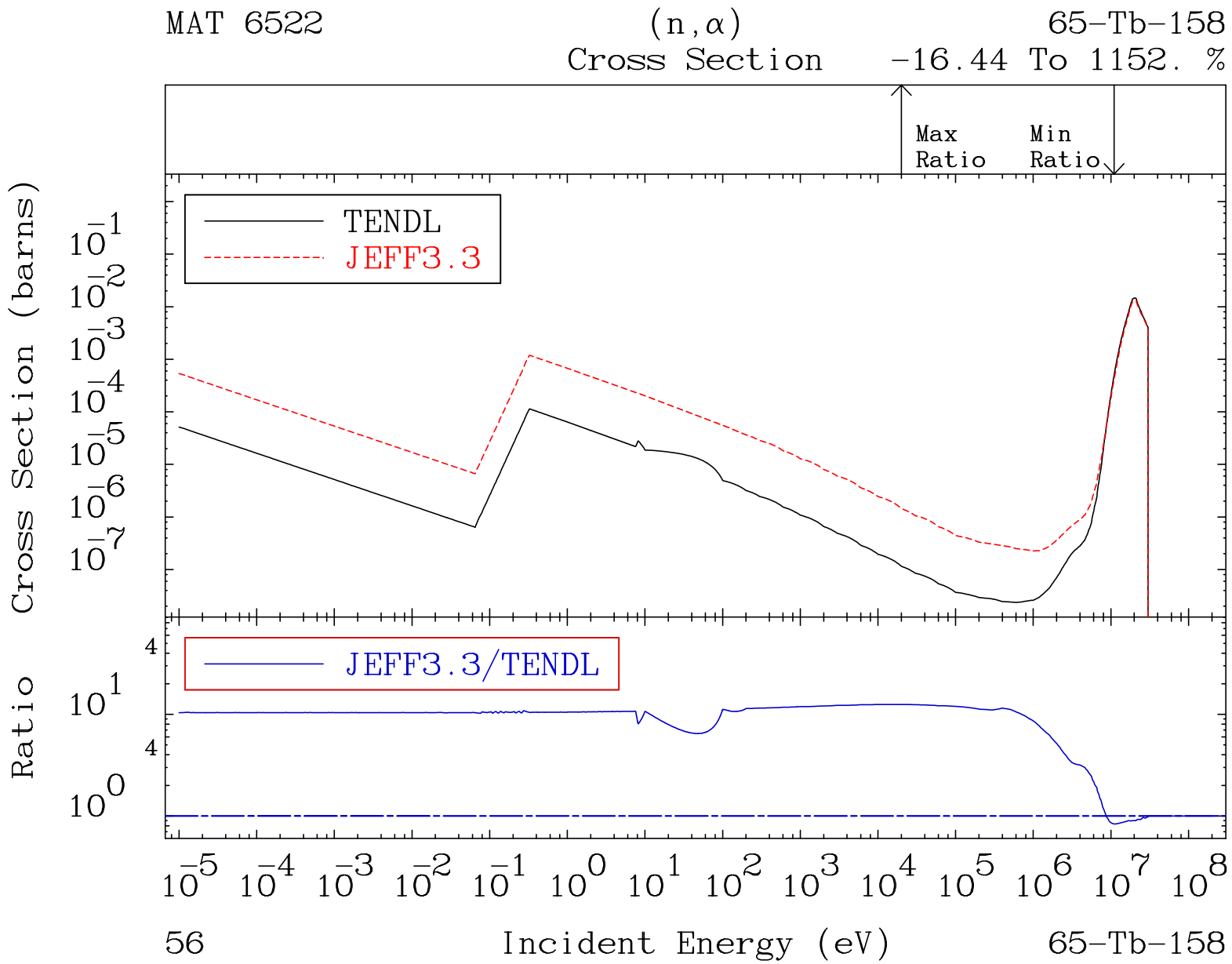

MAT 6522
(n,γ)
65-Tb-158
Cross Section
-90.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
65-Tb-158

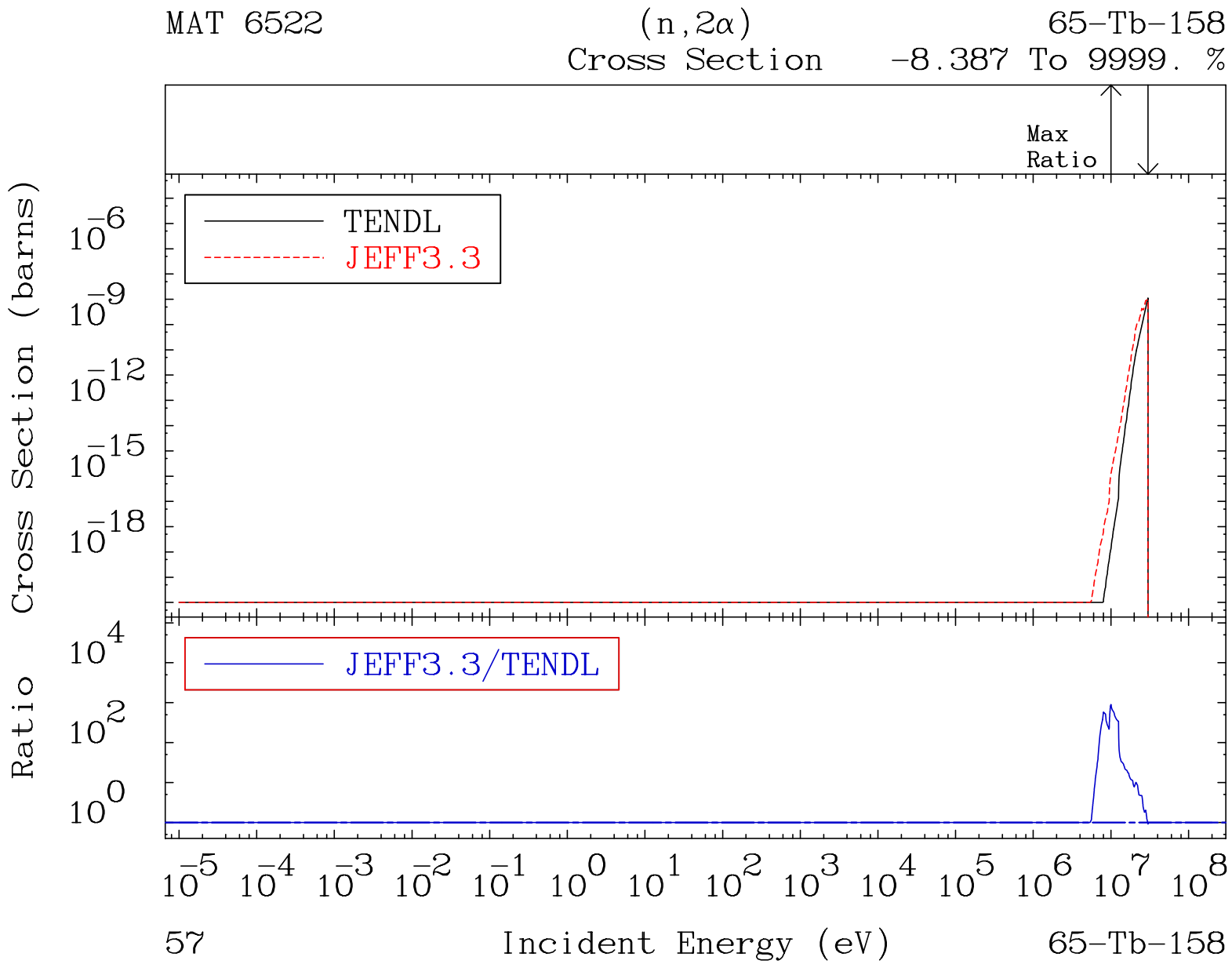

MAT 6522
(n,p)
Cross Section
65-Tb-158
-58.06 To 13.22 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
65-Tb-158

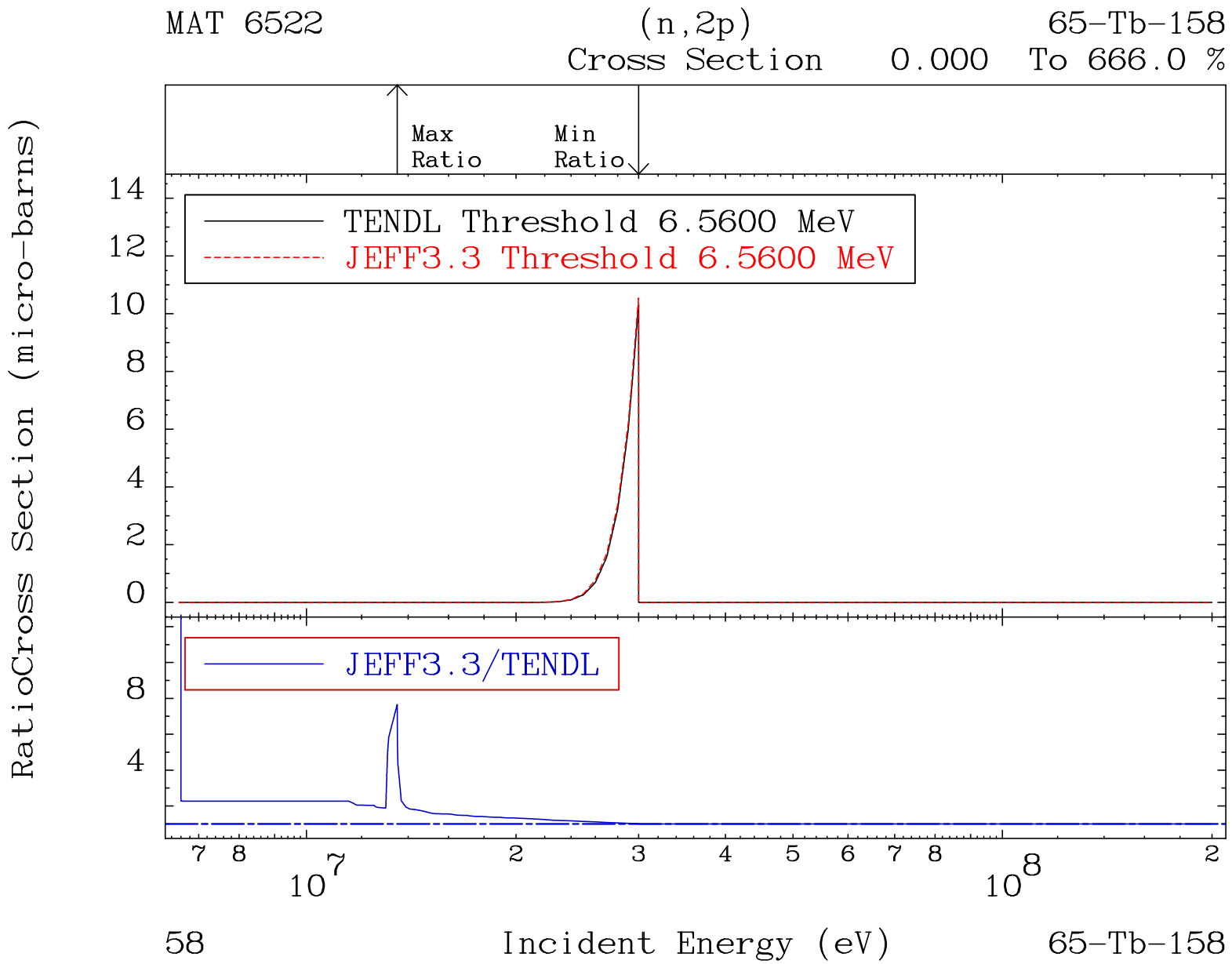

MAT 6522
(n,d)
Cross Section
65-Tb-158
-100.0 To 20.27 %
Min Ratio
Max Ratio
TENDL Threshold 3.7351 MeV
JEFF3.3 Threshold 3.7351 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
53
Incident Energy (eV)
65-Tb-158

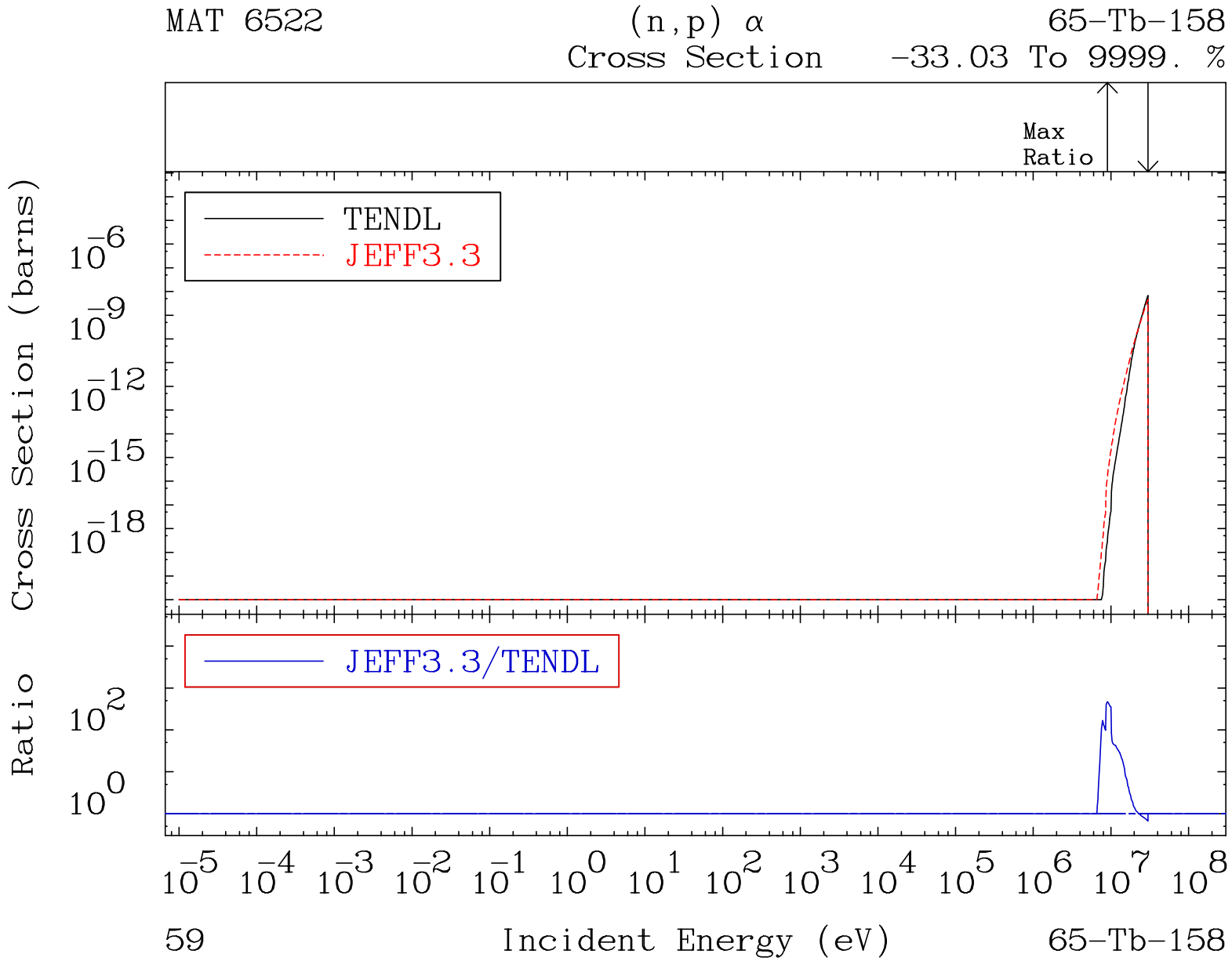

MAT 6522
(n,t)
Cross Section
65-Tb-158
-100.0 To 48.49 %
Min Ratio
Max Ratio
TENDL Threshold 3.8384 MeV
JEFF3.3 Threshold 3.8384 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
54
65-Tb-158

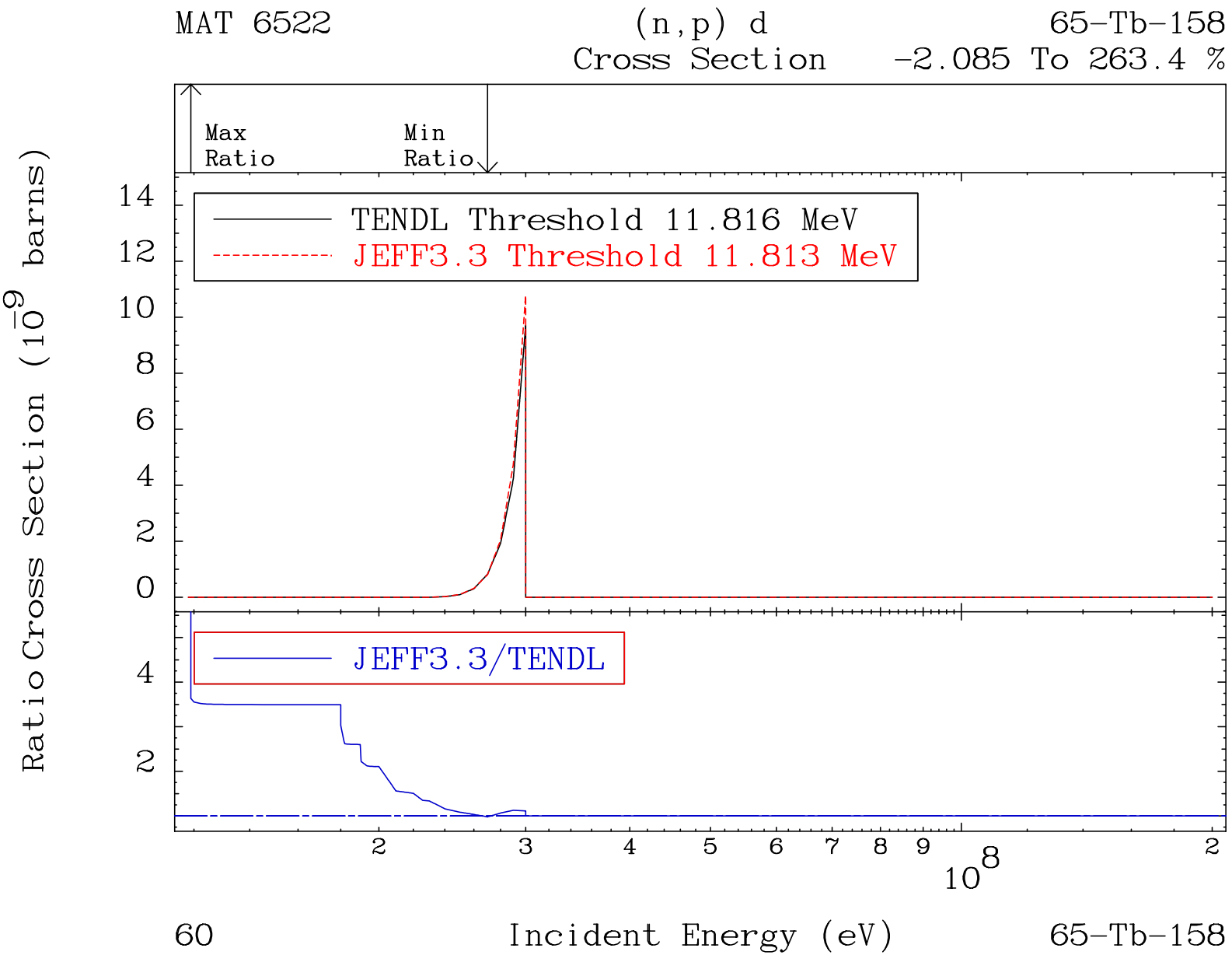

MAT 6522
(n,He-3)
Cross Section
65-Tb-158
-0.750 To 16.10 %
Max Ratio
Min Ratio
TENDL Threshold 6.2878 MeV
JEFF3.3 Threshold 6.2846 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.2
1.1
1.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
55
Incident Energy (eV)
65-Tb-158

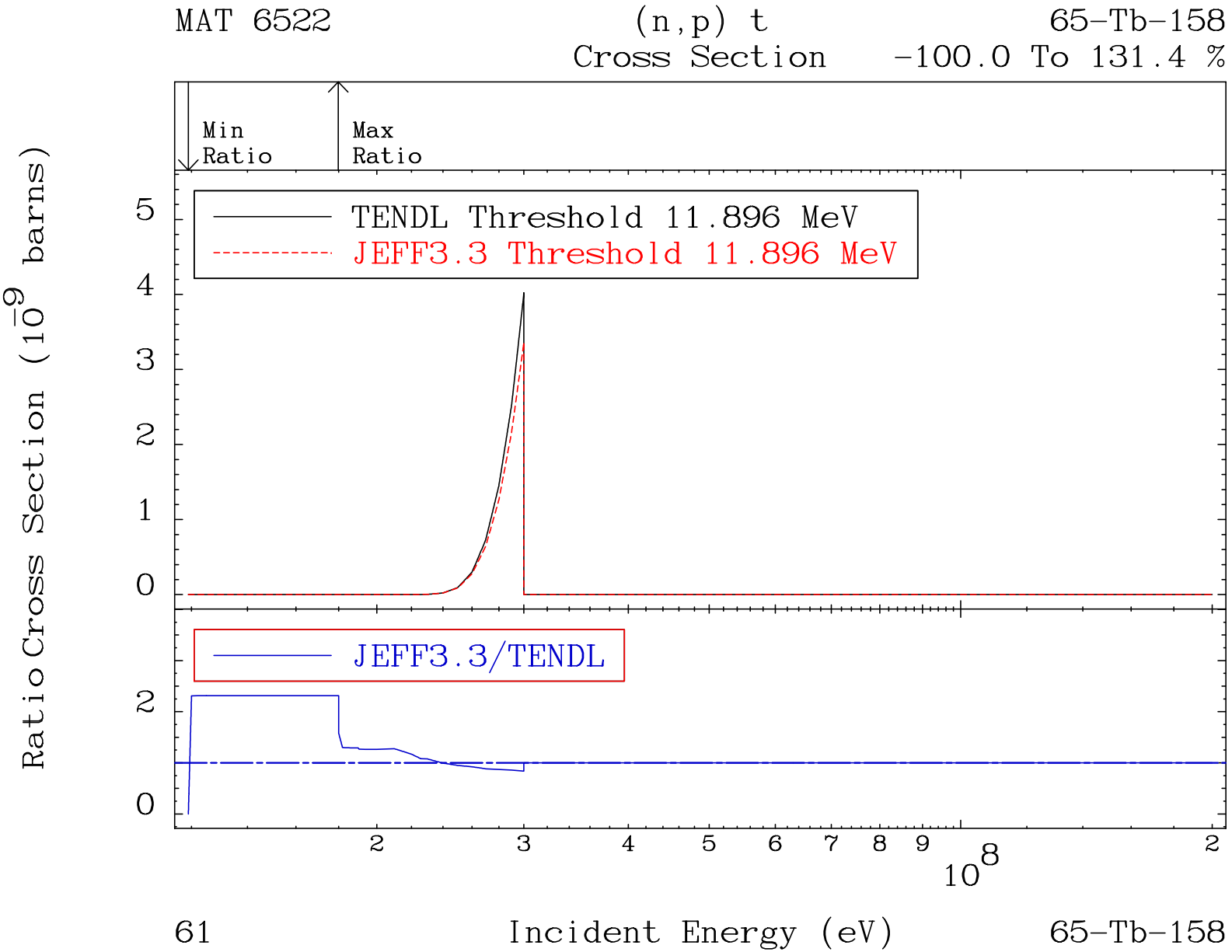

MAT 6522
(n,α)
65-Tb-158
Cross Section
-16.44 To 1152. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
65-Tb-158

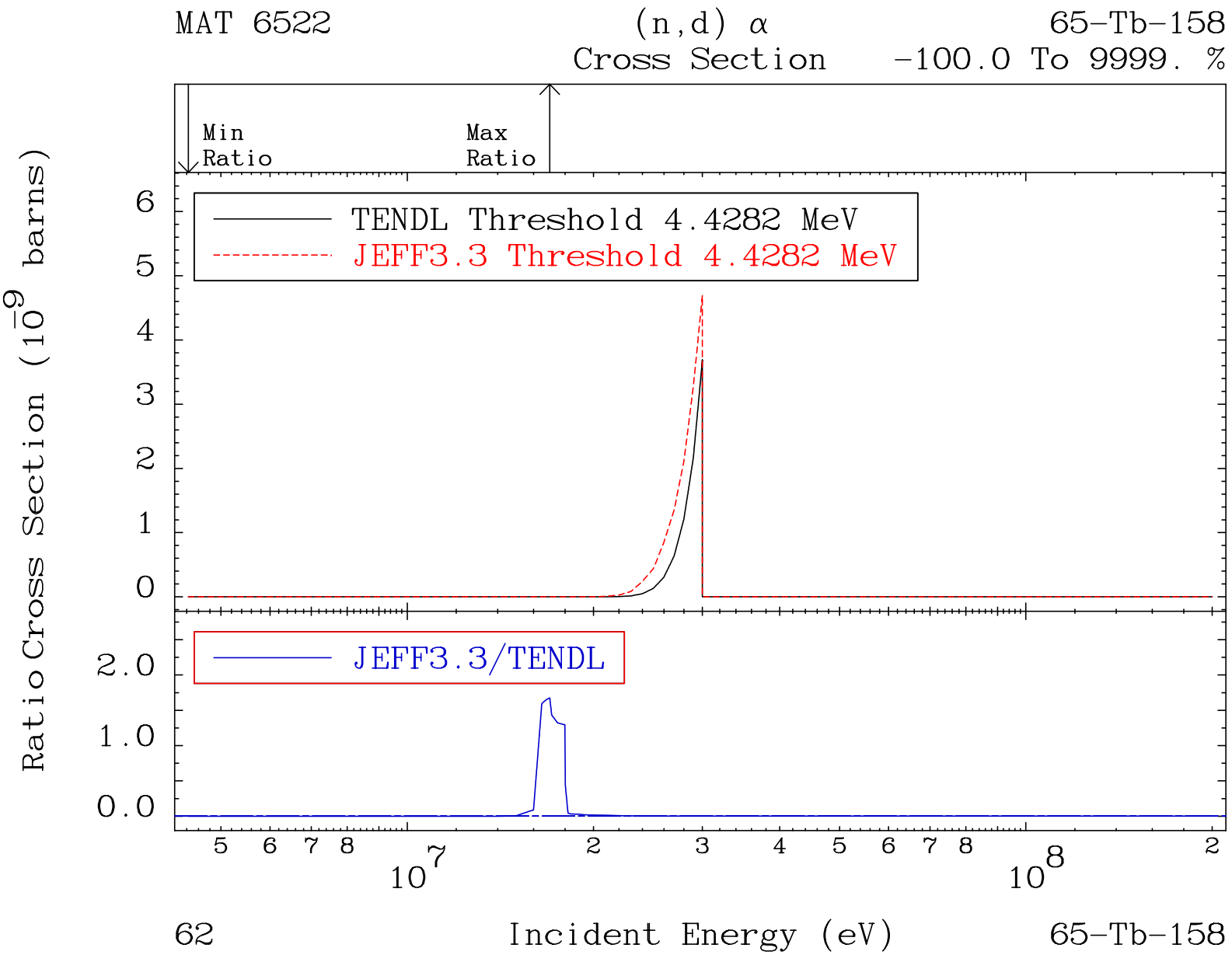

MAT 6522
(n,2α)
65-Tb-158
Cross Section
-8.387 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
10^-6
10^-9
10^-12
10^-15
10^-18
10^4
10^2
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
57
Incident Energy (eV)
65-Tb-158

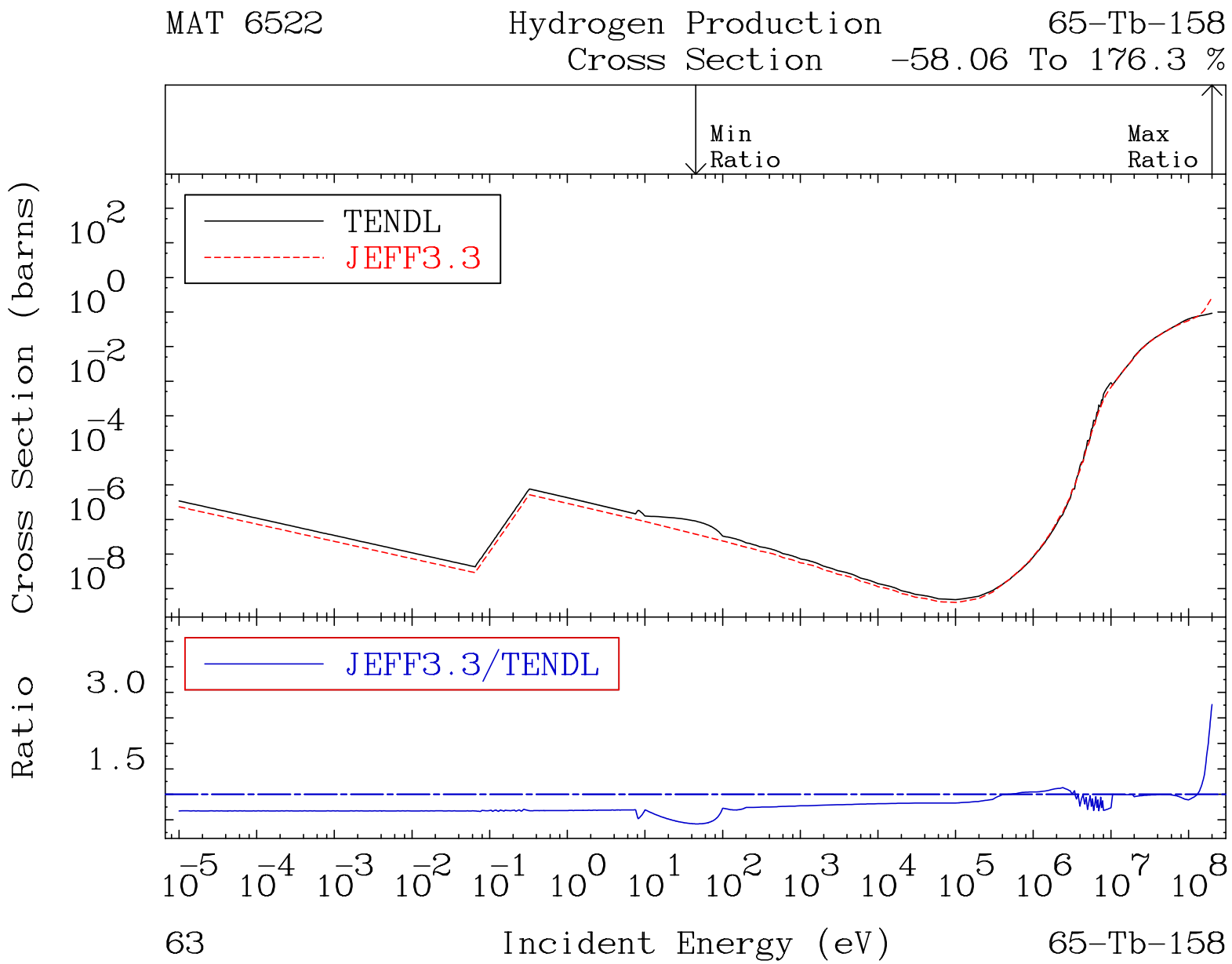

MAT 6522
(n,2p)
65-Tb-158
Cross Section 0.000 To 666.0 %
Max Ratio
Min Ratio
TENDL Threshold 6.5600 MeV
JEFF3.3 Threshold 6.5600 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
58
65-Tb-158

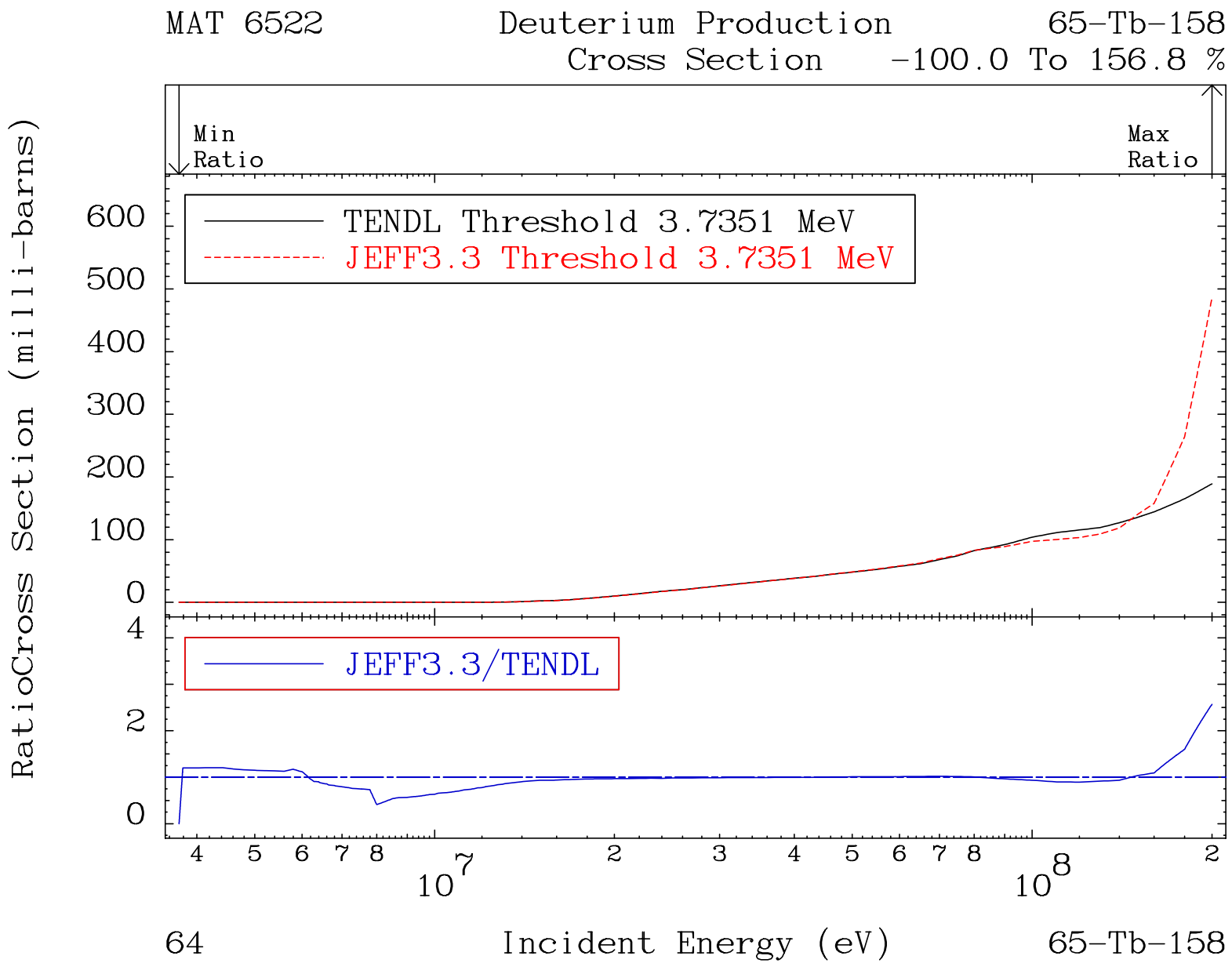

MAT 6522
(n,p) α
Cross Section
65-Tb-158
-33.03 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
65-Tb-158

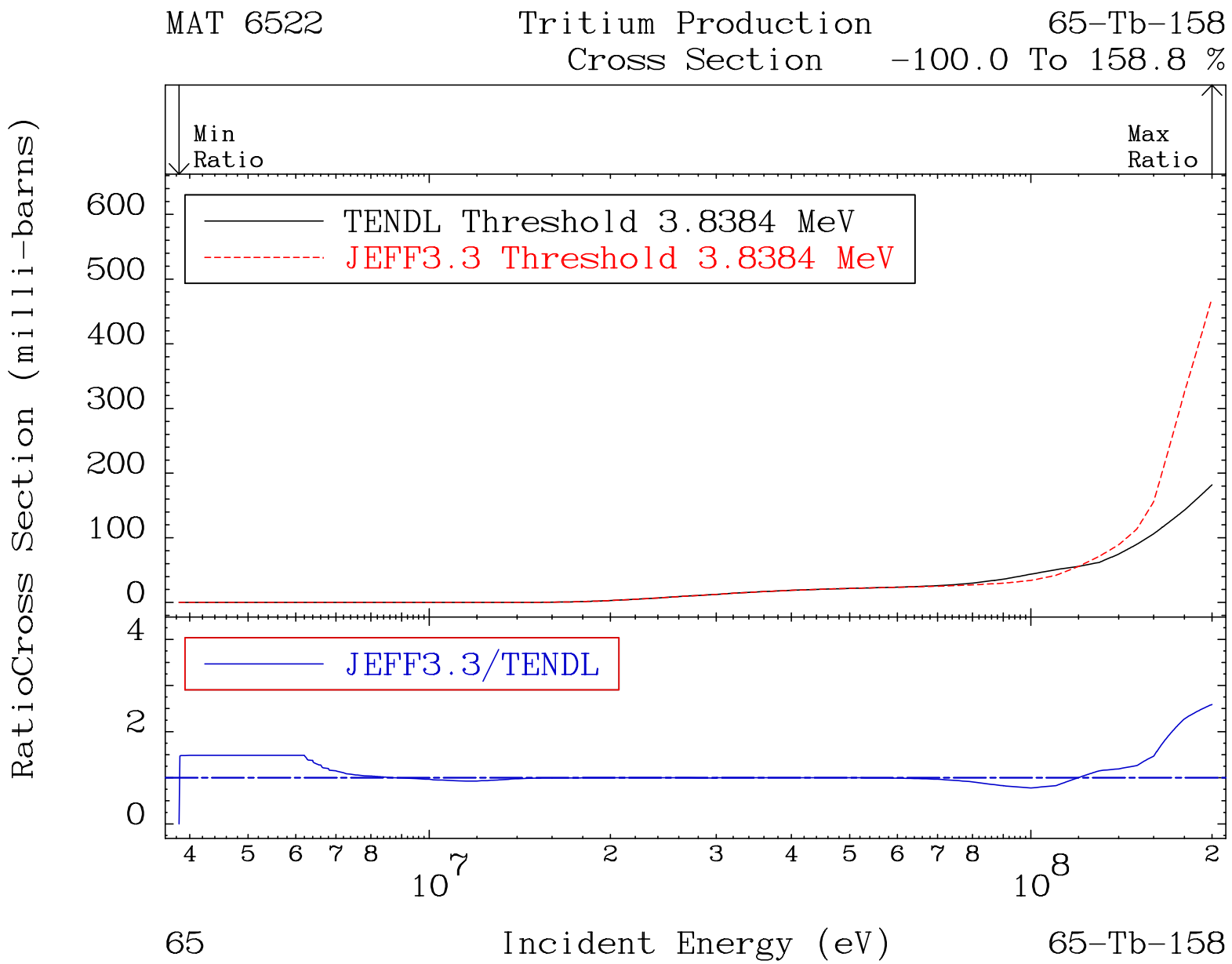

MAT 6522
(n,p) d
Cross Section
65-Tb-158
-2.085 To 263.4 %
Max Ratio
Min Ratio
TENDL Threshold 11.816 MeV
JEFF3.3 Threshold 11.813 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
60
65-Tb-158

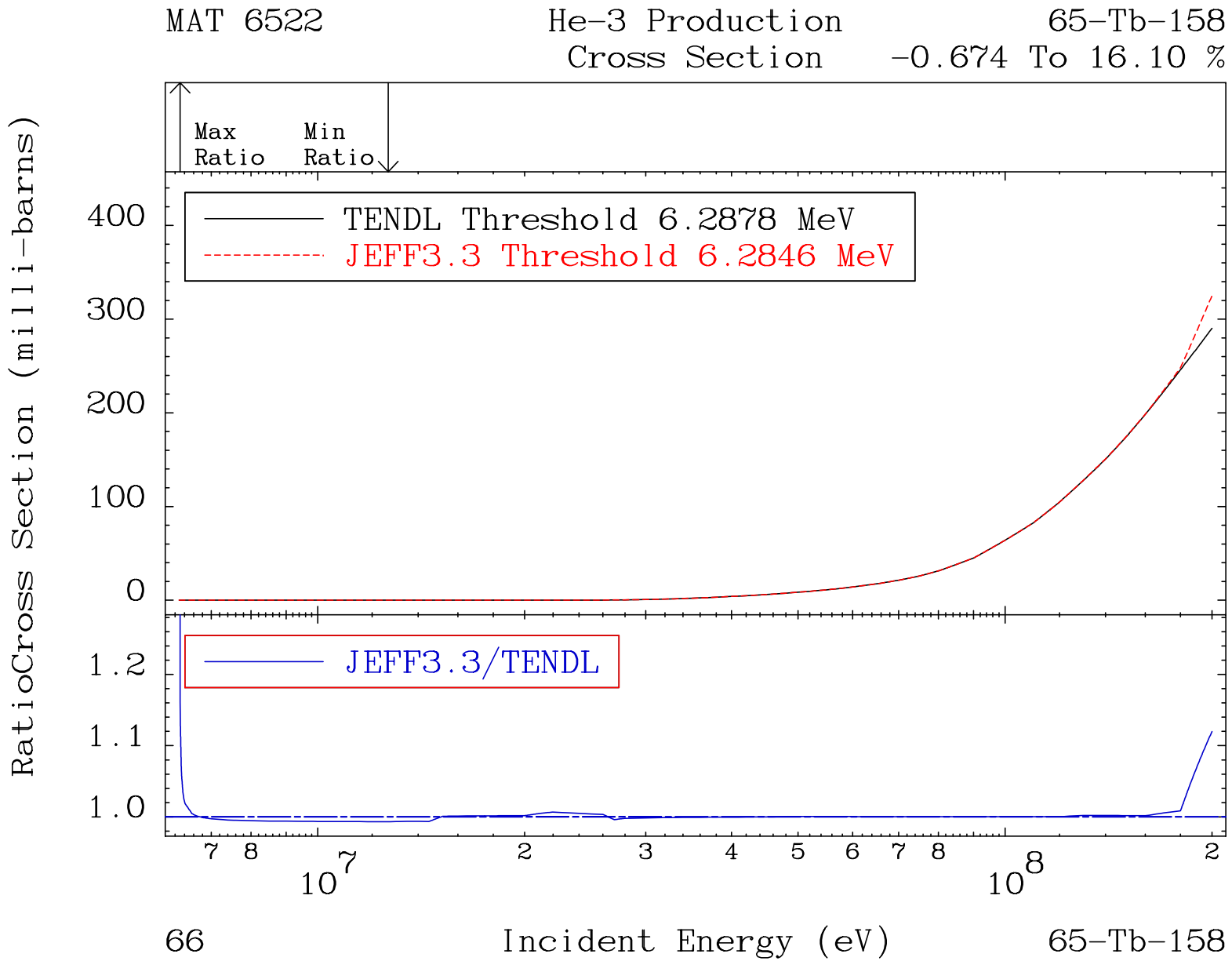

MAT 6522
(n,p) t
Cross Section
65-Tb-158
-100.0 To 131.4 %
Min Ratio
Max Ratio
TENDL Threshold 11.896 MeV
JEFF3.3 Threshold 11.896 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
0
1
2
3
4
5
0
2
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
65-Tb-158

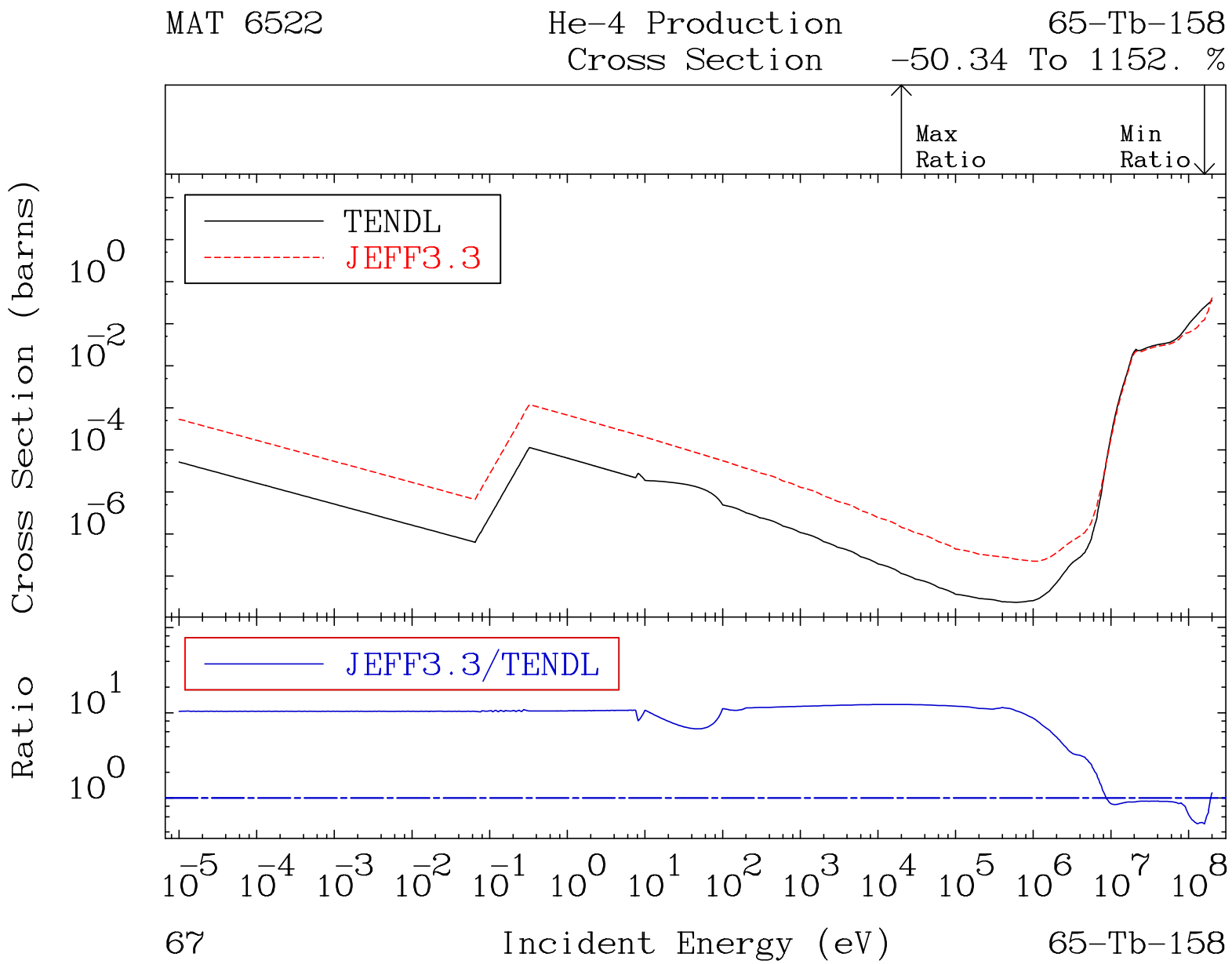

MAT 6522
(n,d) α
Cross Section
65-Tb-158
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4282 MeV
JEFF3.3 Threshold 4.4282 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
62
65-Tb-158

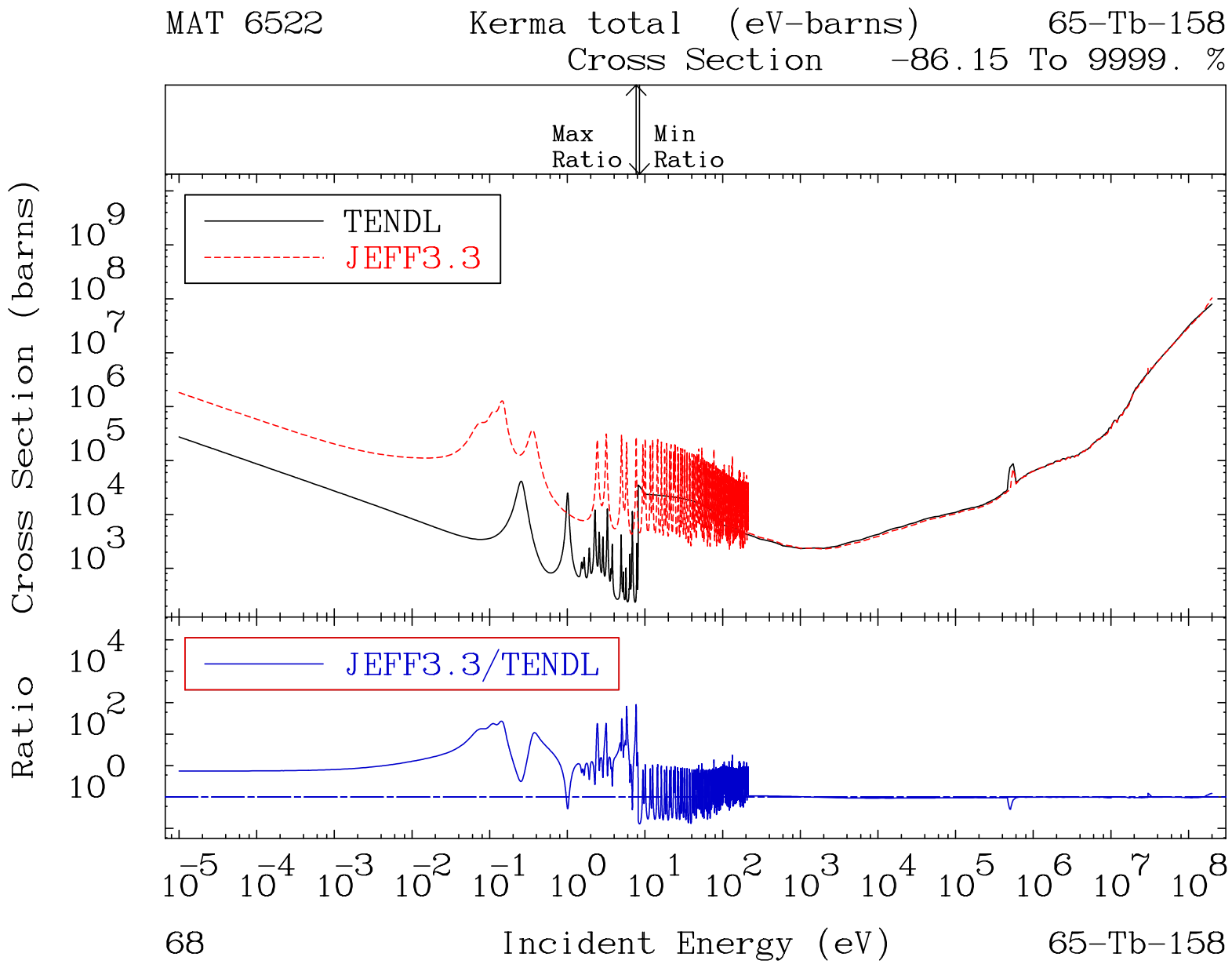

MAT 6522
Hydrogen Production
65-Tb-158
Cross Section
-58.06 To 176.3 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
65-Tb-158

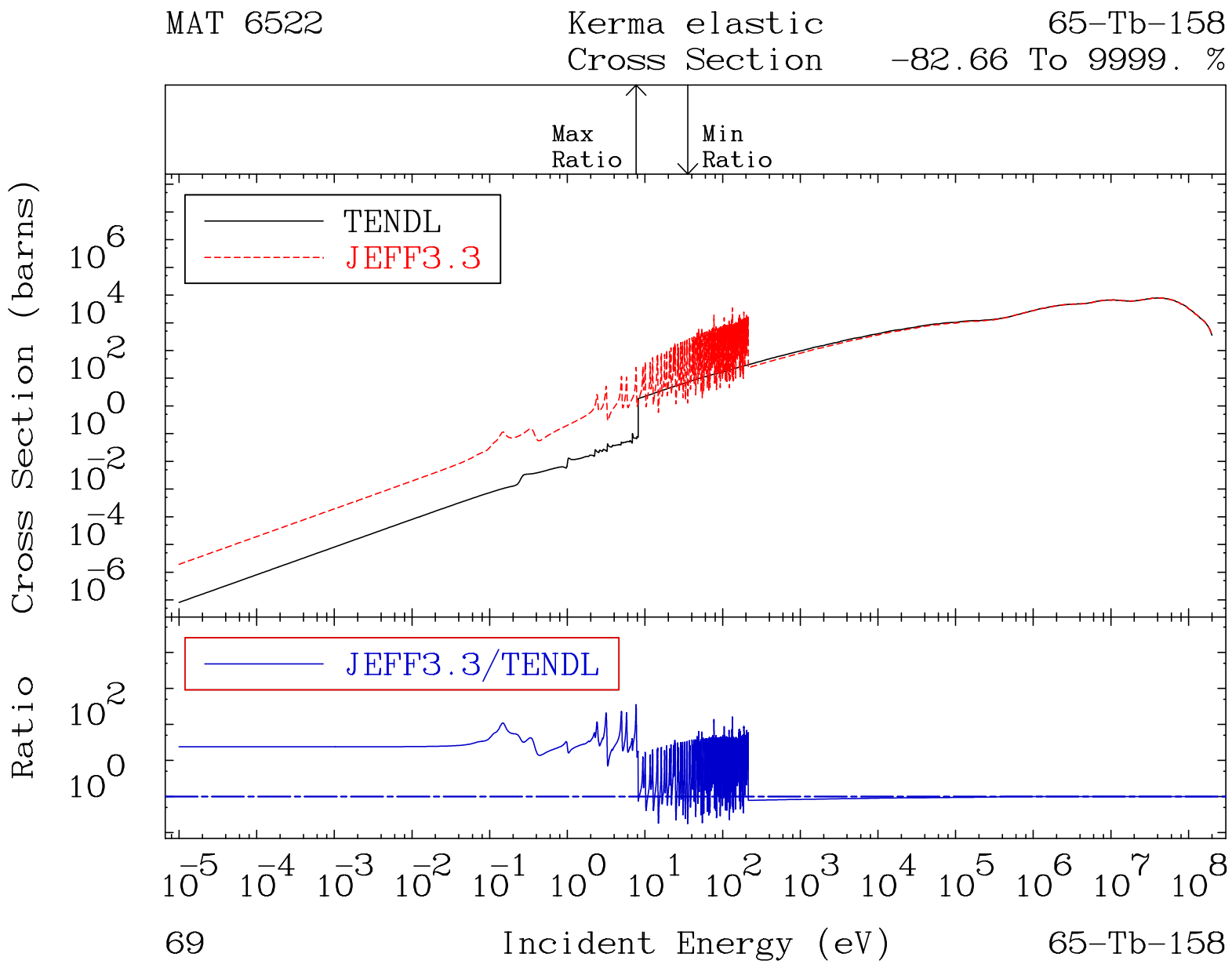

MAT 6522
Deuterium Production
65-Tb-158
Cross Section
-100.0 To 156.8 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.7351 MeV
JEFF3.3 Threshold 3.7351 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
64
Incident Energy (eV)
65-Tb-158

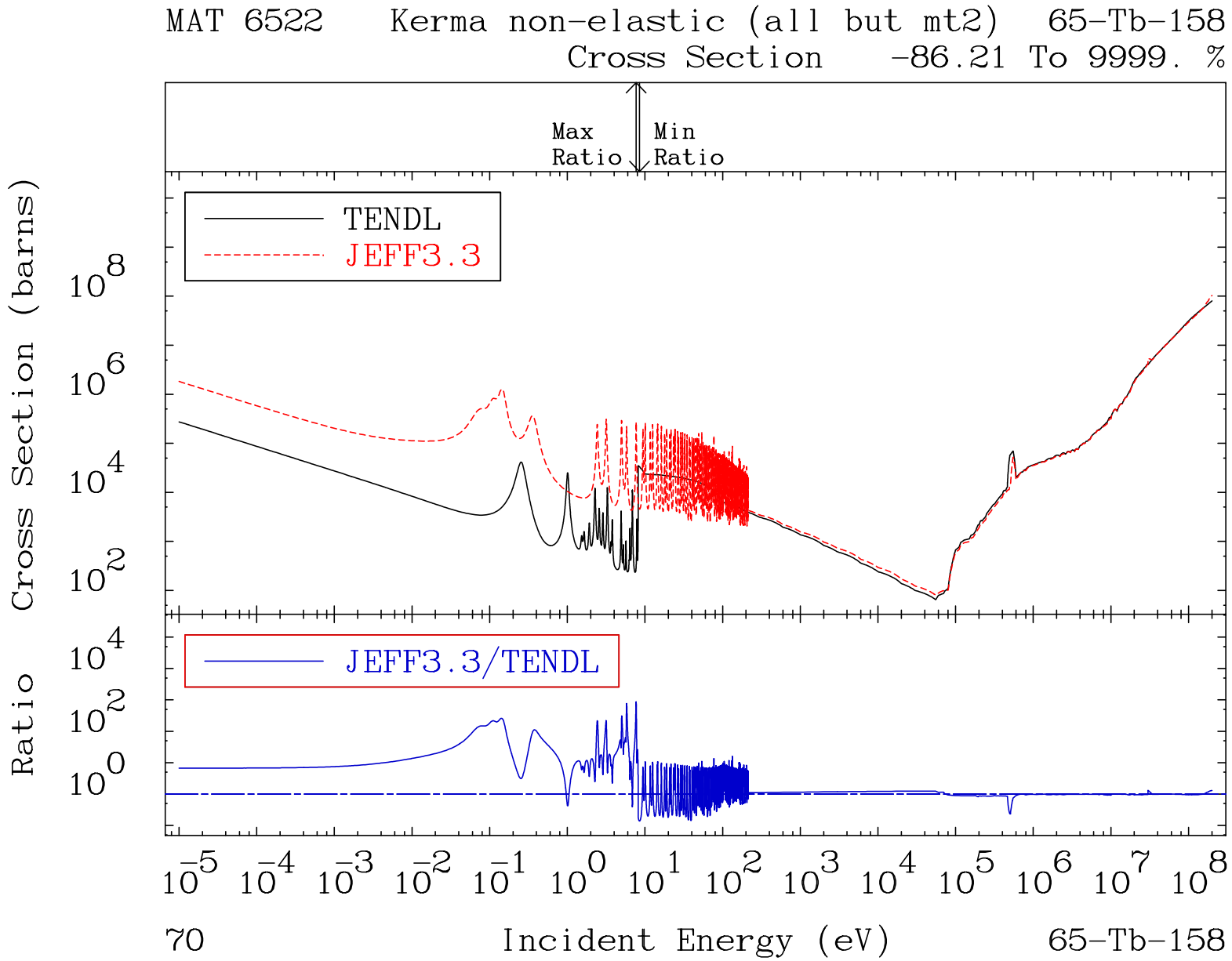

MAT 6522
Tritium Production
65-Tb-158
Cross Section
-100.0 To 158.8 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.8384 MeV
JEFF3.3 Threshold 3.8384 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
65
Incident Energy (eV)
65-Tb-158

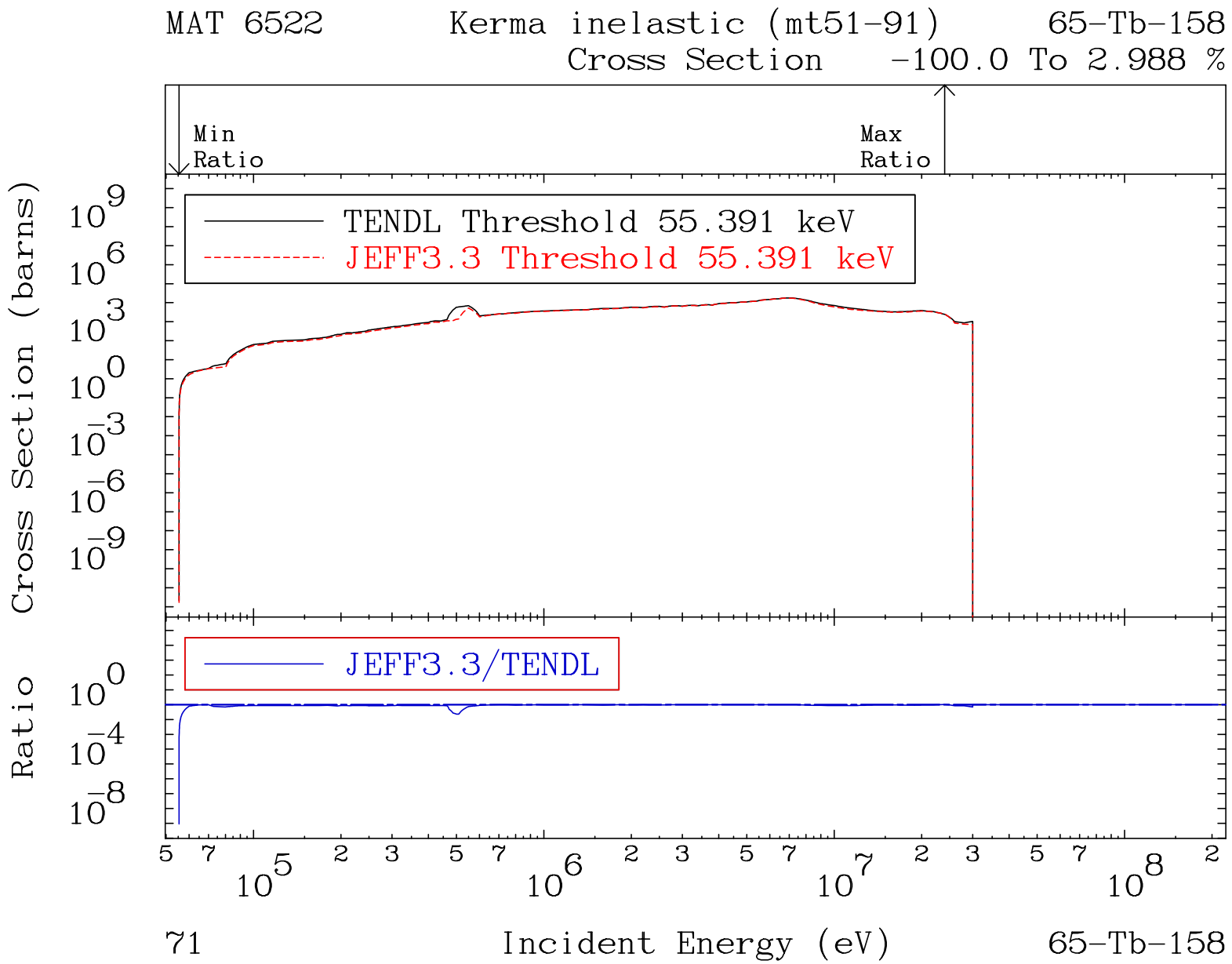

MAT 6522
He-3 Production
Cross Section
65-Tb-158
-0.674 To 16.10 %
Max Ratio
Min Ratio
TENDL Threshold 6.2878 MeV
JEFF3.3 Threshold 6.2846 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
1.1
1.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
66
Incident Energy (eV)
65-Tb-158

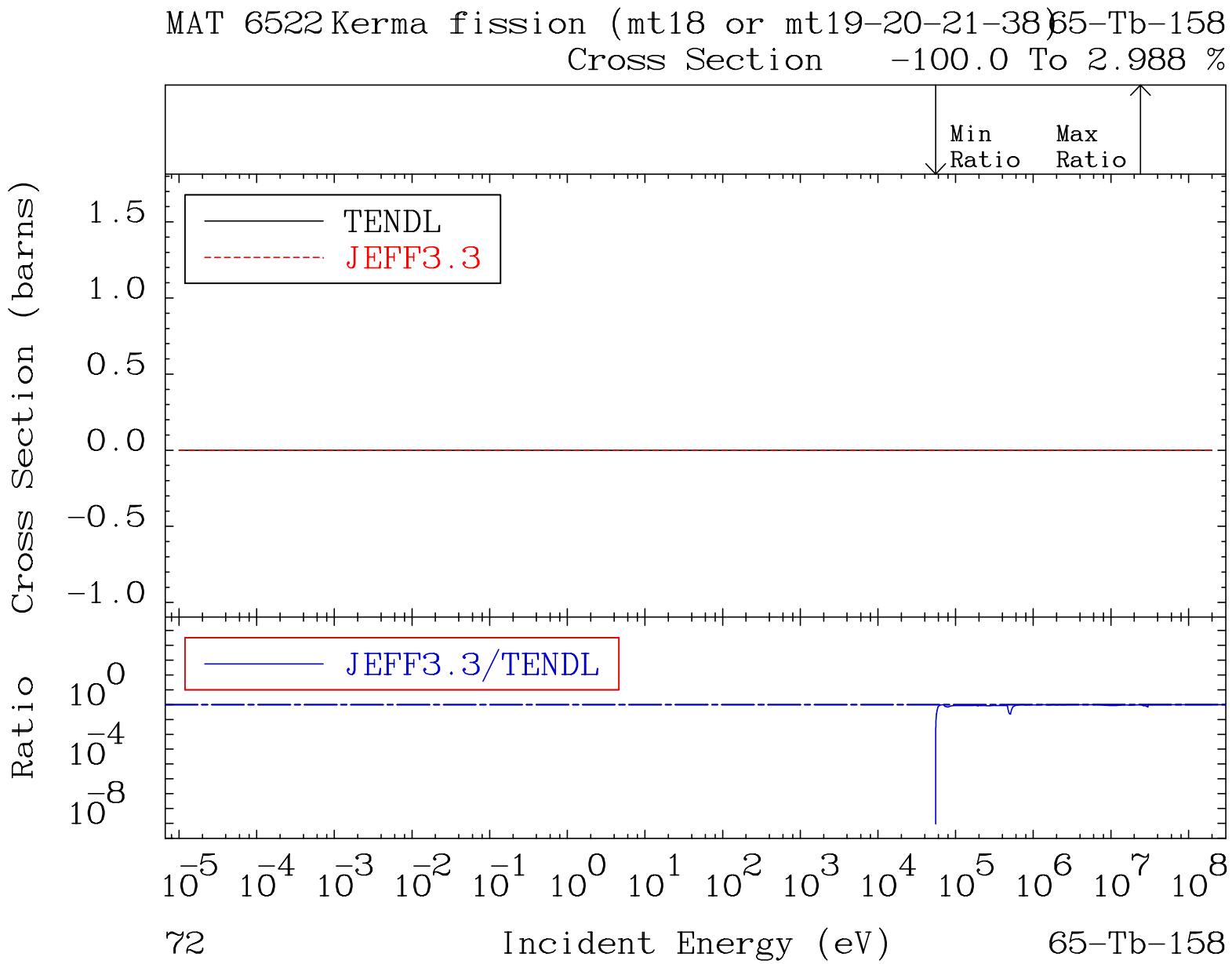

MAT 6522
He-4 Production
Cross Section
65-Tb-158
-50.34 To 1152. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
65-Tb-158

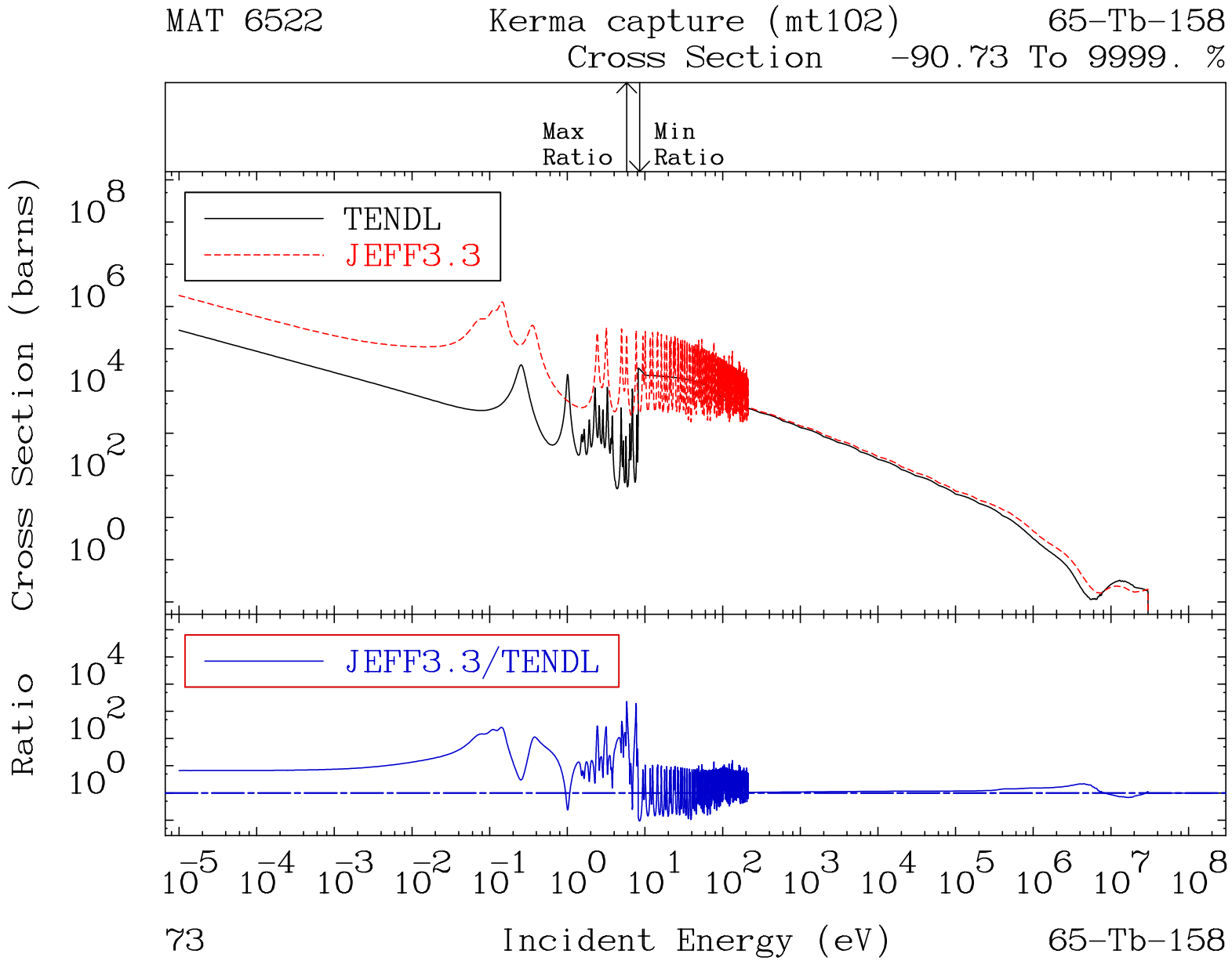

MAT 6522
Kerma total (eV-barns)
65-Tb-158
Cross Section -86.15 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
65-Tb-158

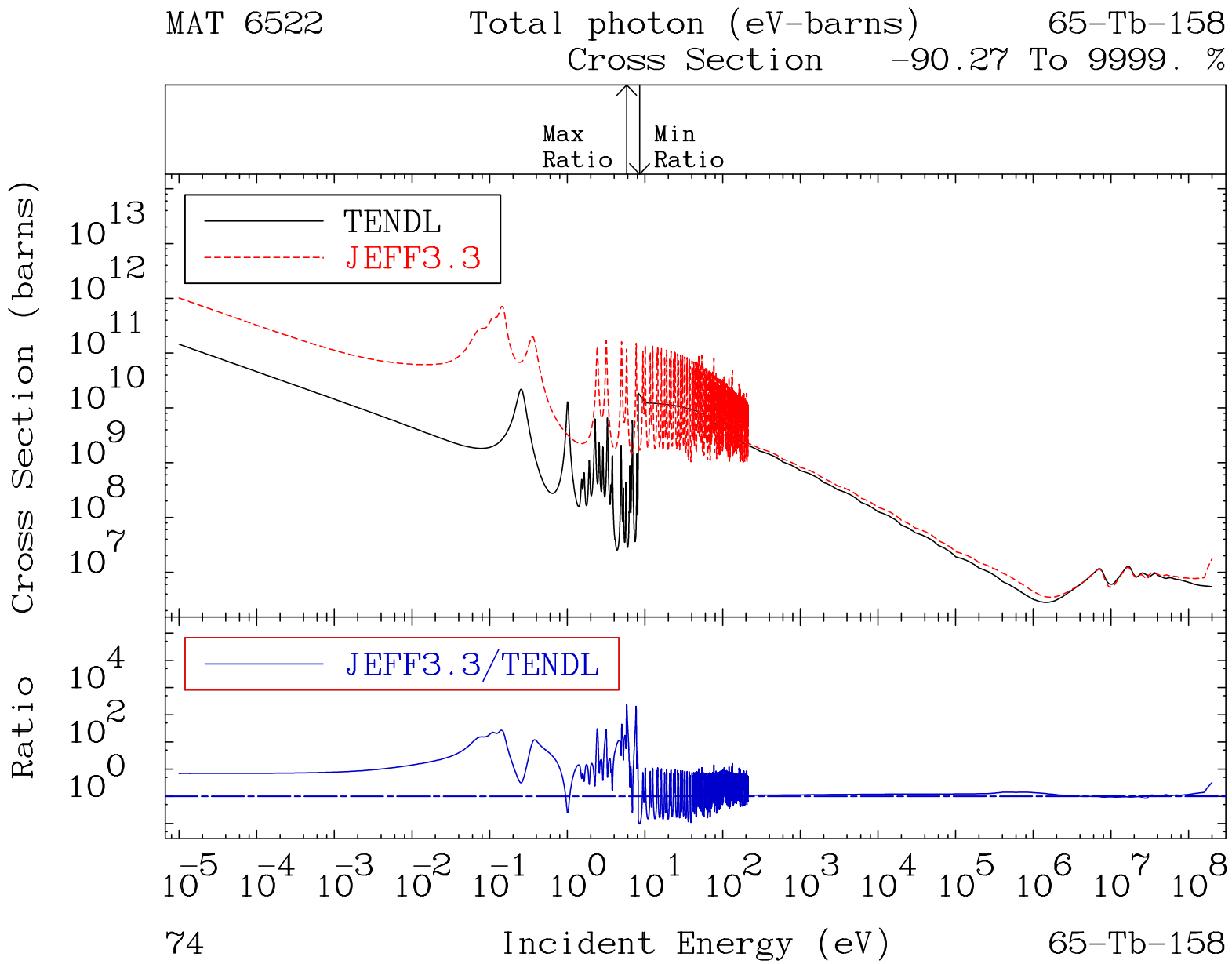

MAT 6522
Kerma elastic
Cross Section
65-Tb-158
-82.66 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
65-Tb-158

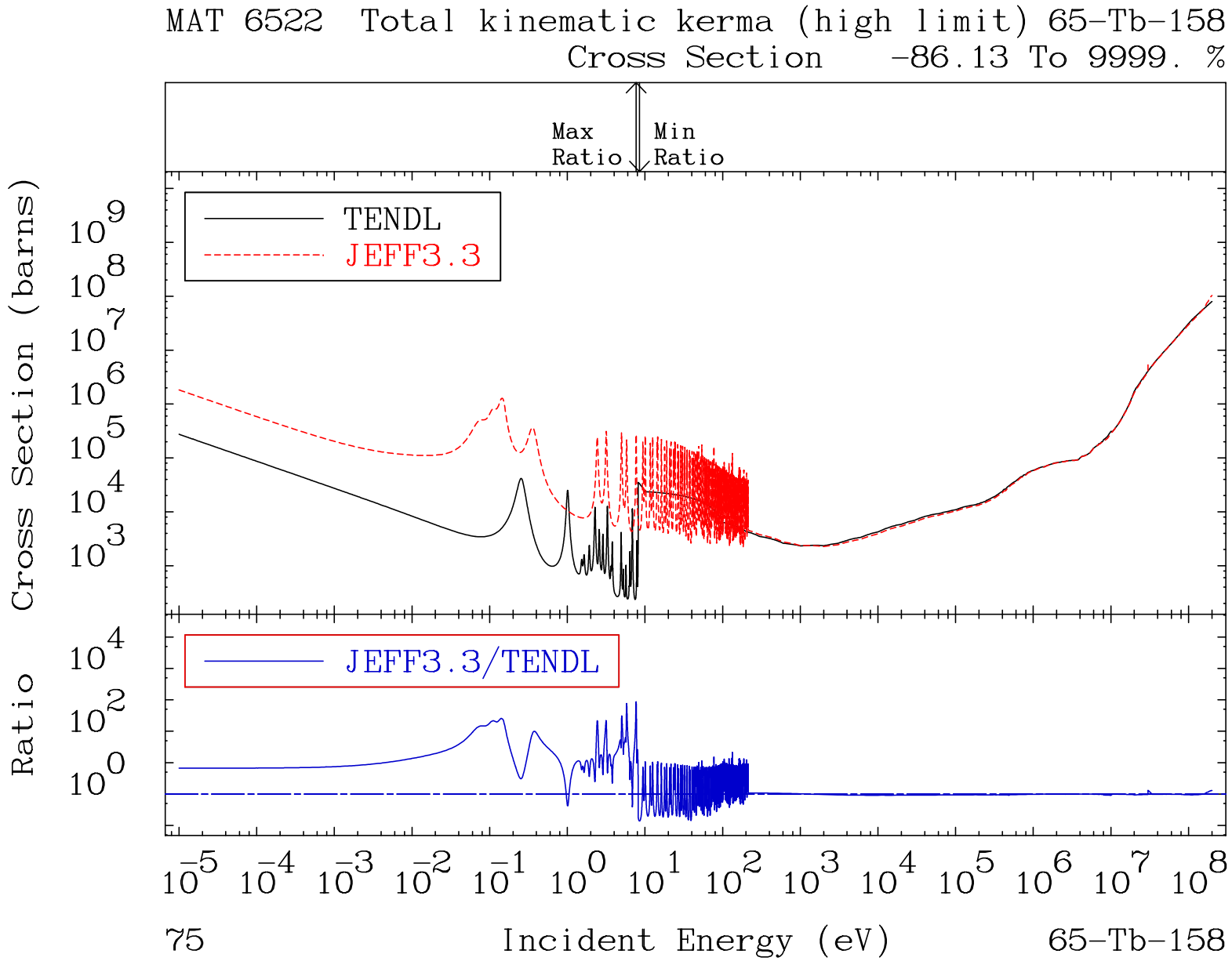

MAT 6522 Kerma non-elastic (all but mt2) 65-Tb-158
Cross Section -86.21 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
65-Tb-158

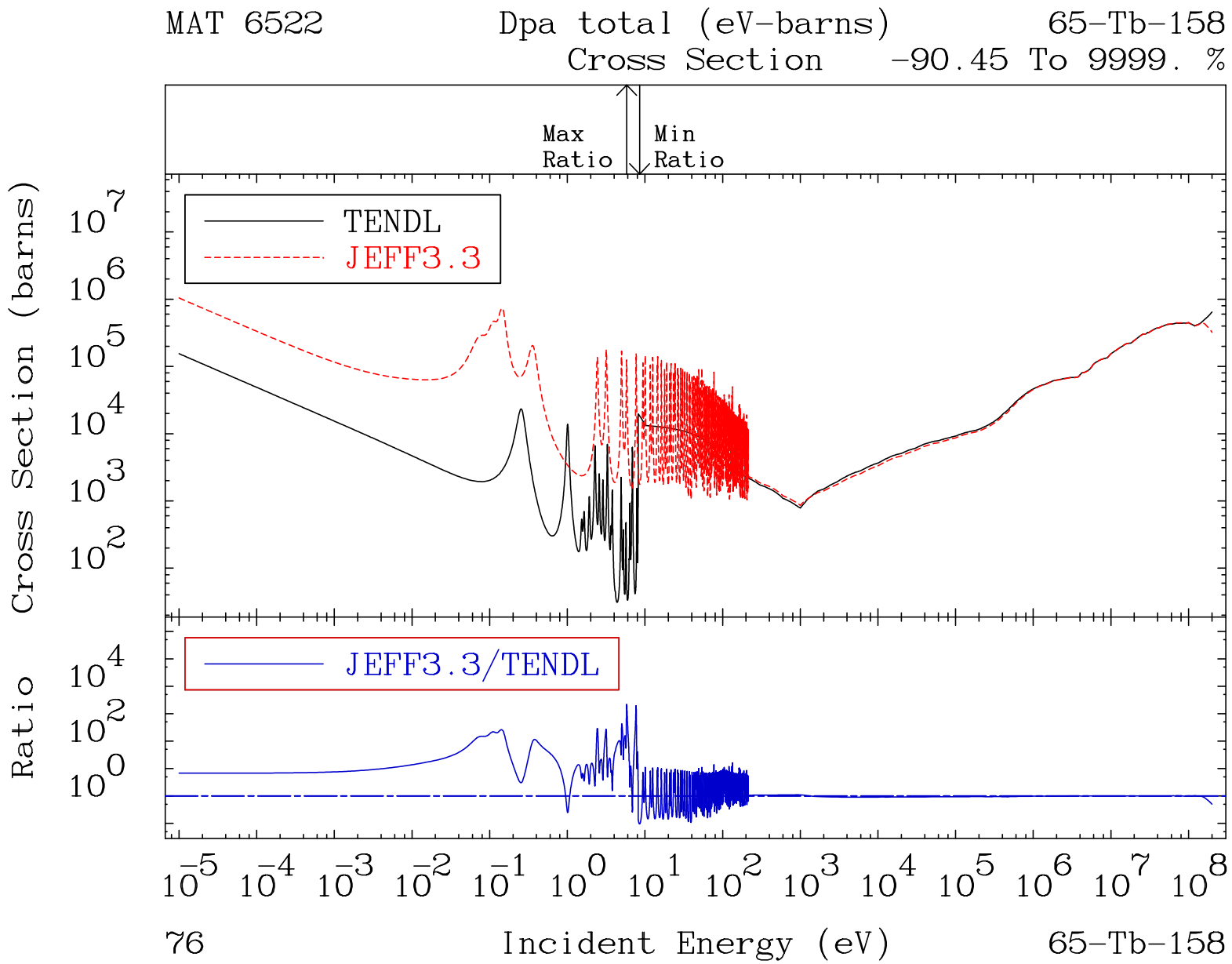

MAT 6522
Kerma inelastic (mt51-91)
65-Tb-158
Cross Section -100.0 To 2.988 %
Min Ratio
Max Ratio
TENDL Threshold 55.391 keV
JEFF3.3 Threshold 55.391 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
65-Tb-158

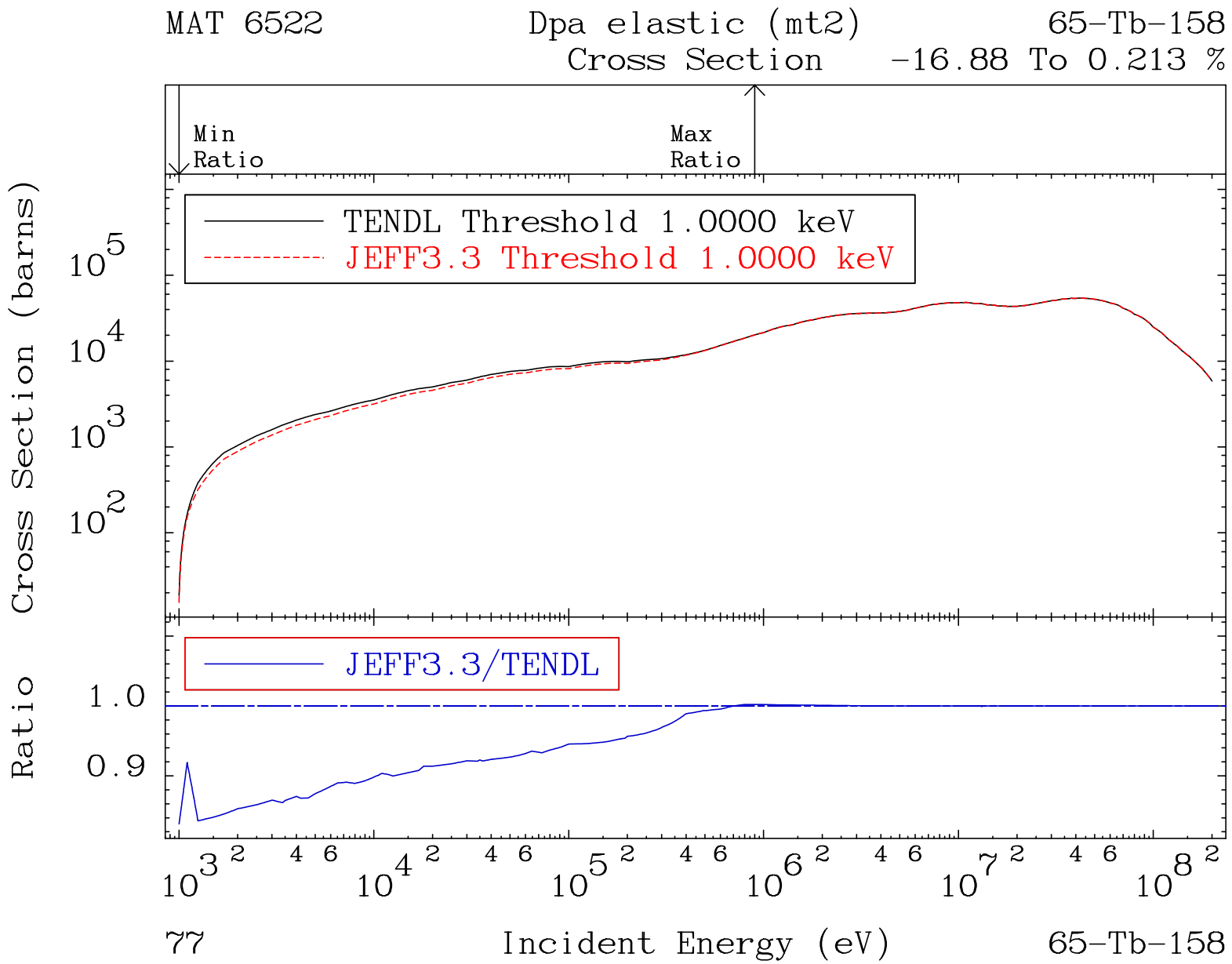

MAT 6522 Kerma fission (mt18 or mt19-20-21-38) 65-Tb-158
Cross Section -100.0 To 2.988 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
72
Incident Energy (eV)
65-Tb-158

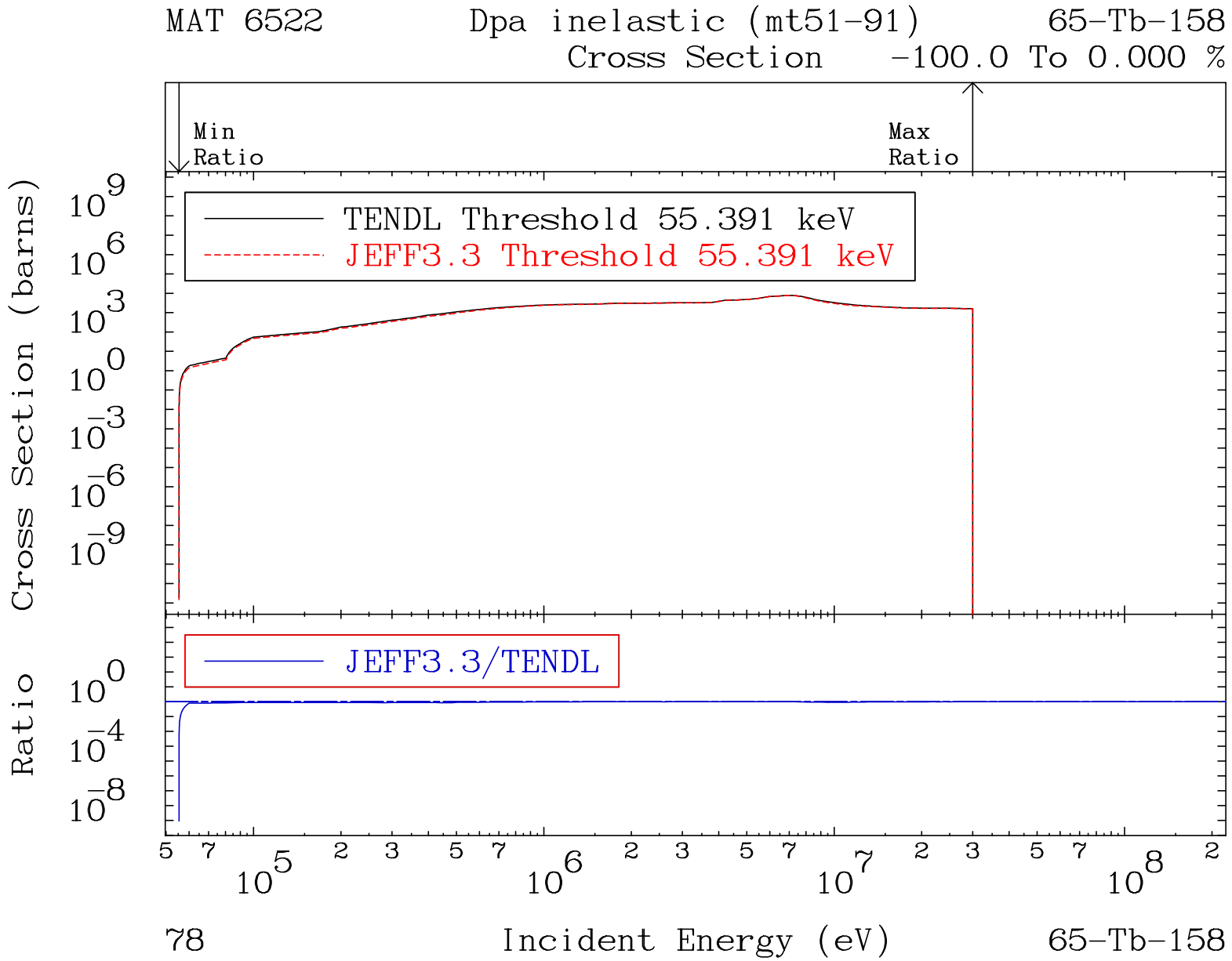

MAT 6522
Kerma capture (mt102)
65-Tb-158
Cross Section -90.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
65-Tb-158

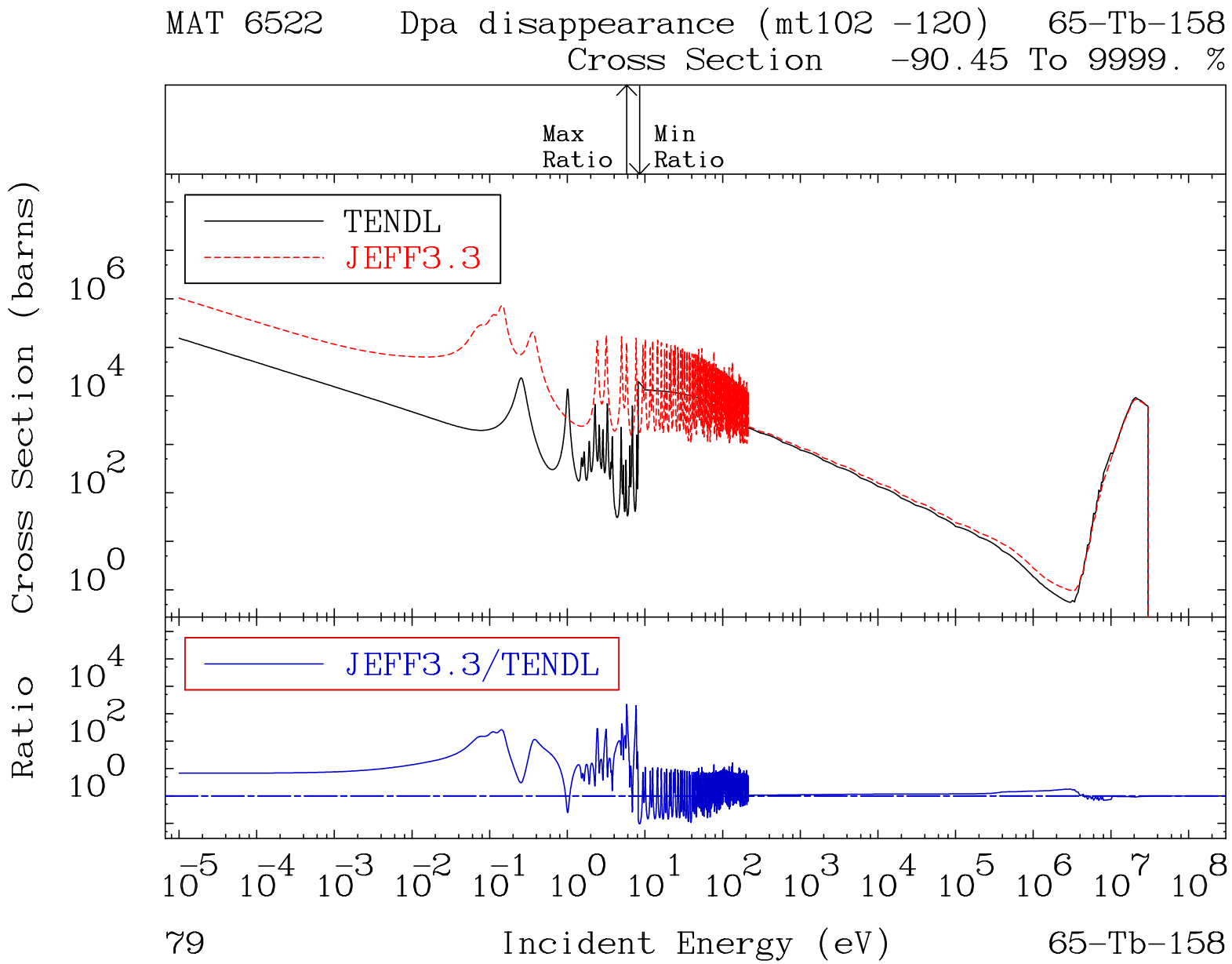

MAT 6522
Total photon (eV-barns)
65-Tb-158
Cross Section -90.27 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
65-Tb-158

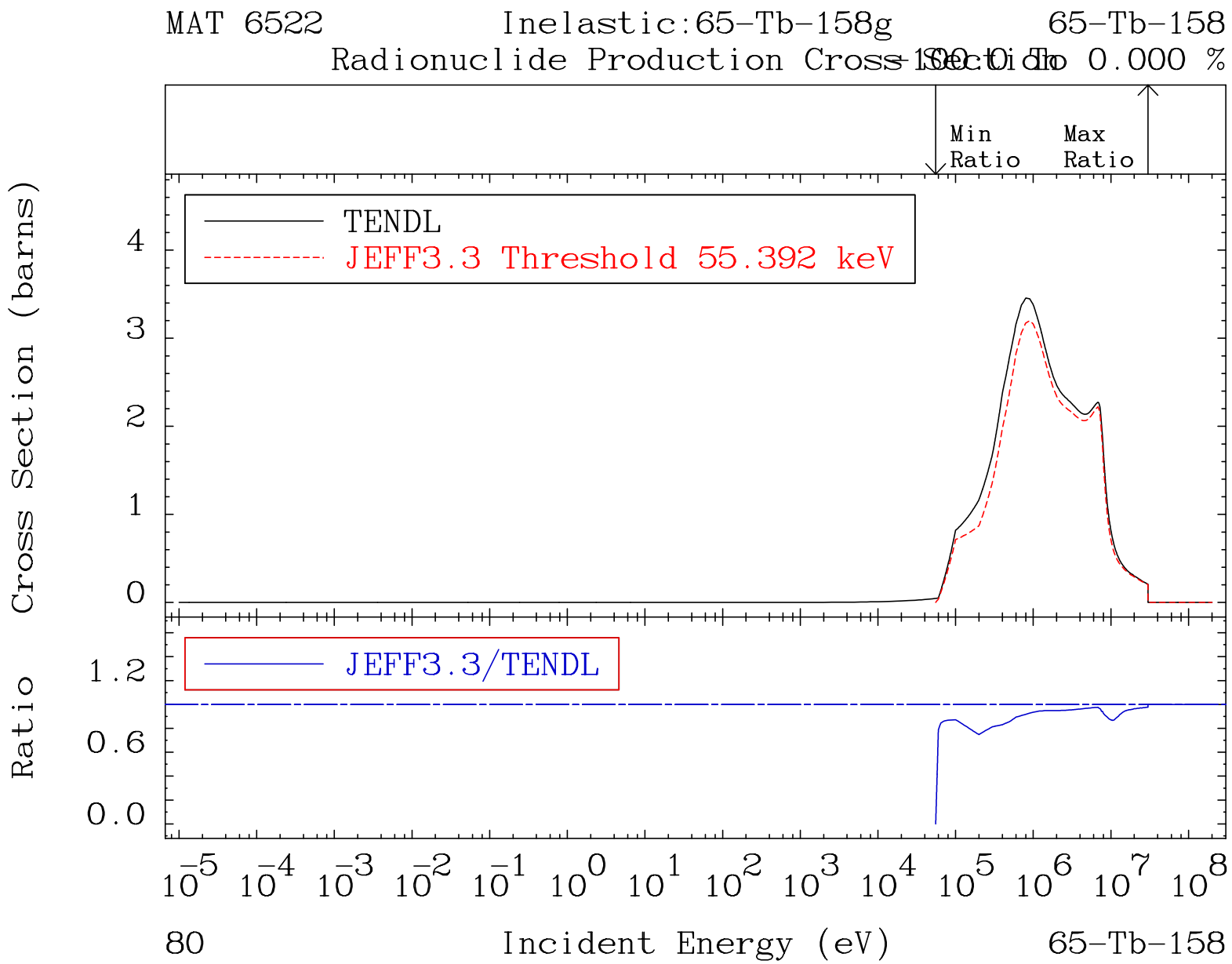

MAT 6522 Total kinematic kerma (high limit) 65-Tb-158
Cross Section -86.13 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
65-Tb-158

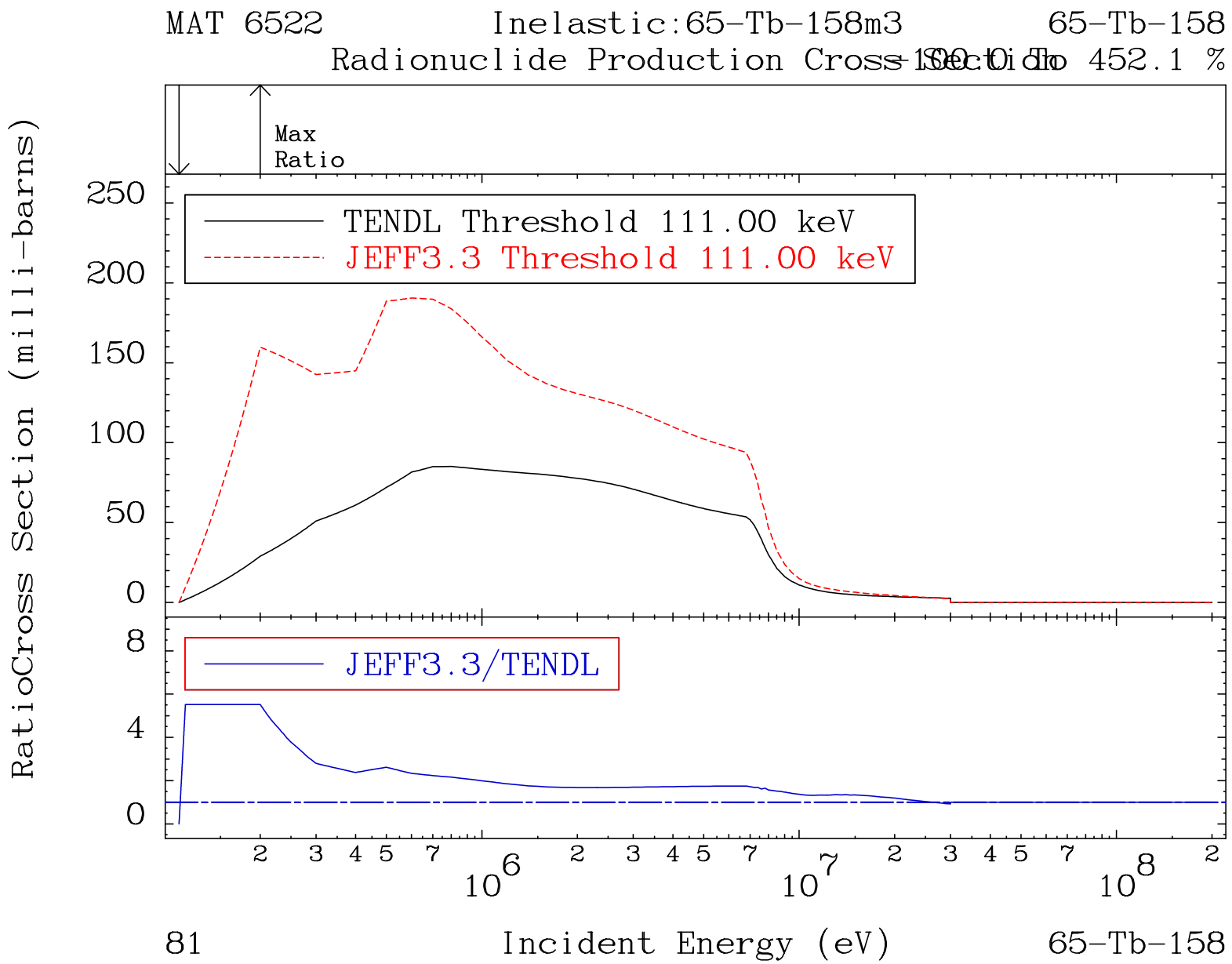

MAT 6522
Dpa total (eV-barns)
65-Tb-158
Cross Section
-90.45 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
65-Tb-158

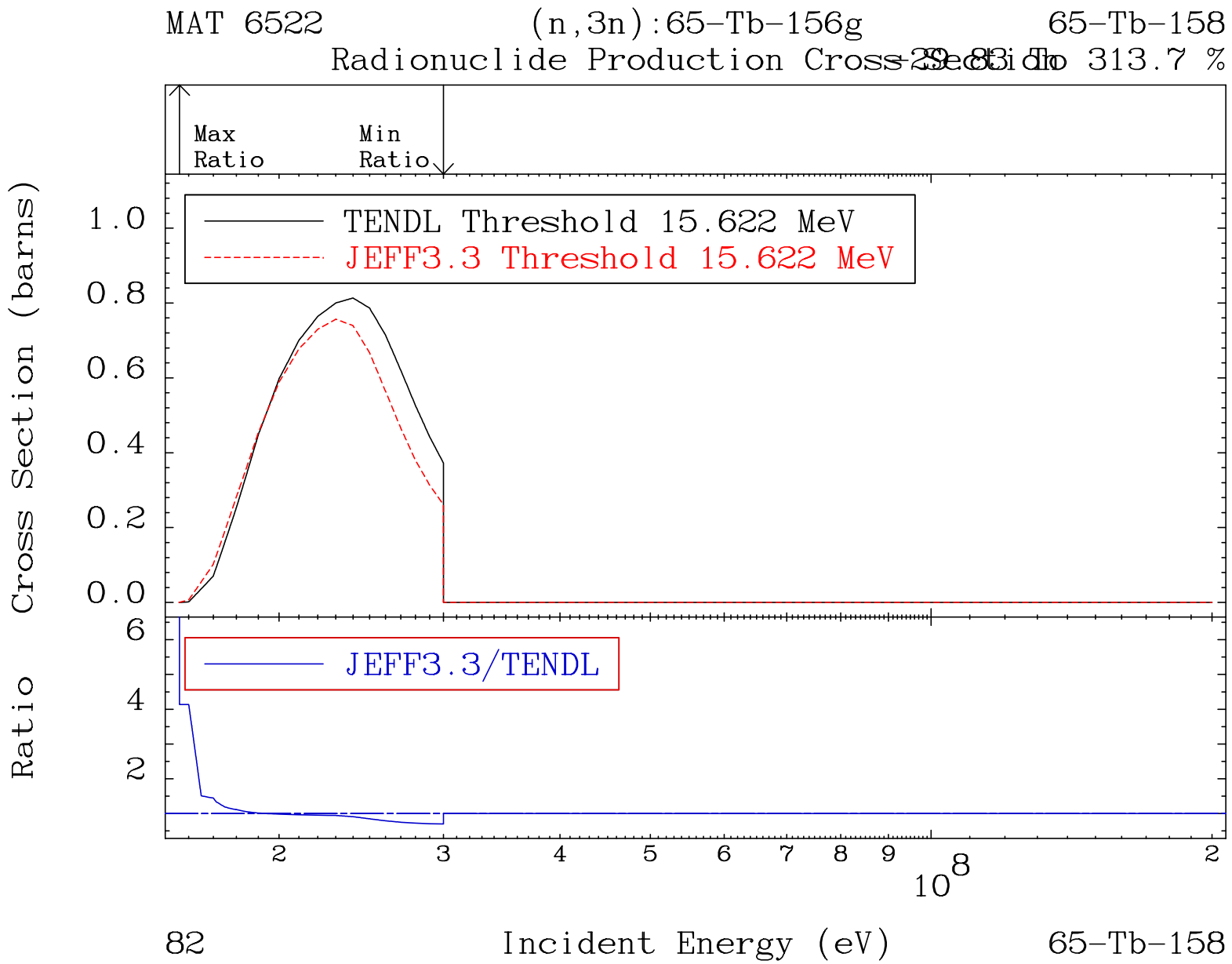

MAT 6522
Dpa elastic (mt2)
Cross Section
65-Tb-158
-16.88 To 0.213 %
Min Ratio
Max Ratio
TENDL Threshold 1.0000 keV
JEFF3.3 Threshold 1.0000 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
65-Tb-158

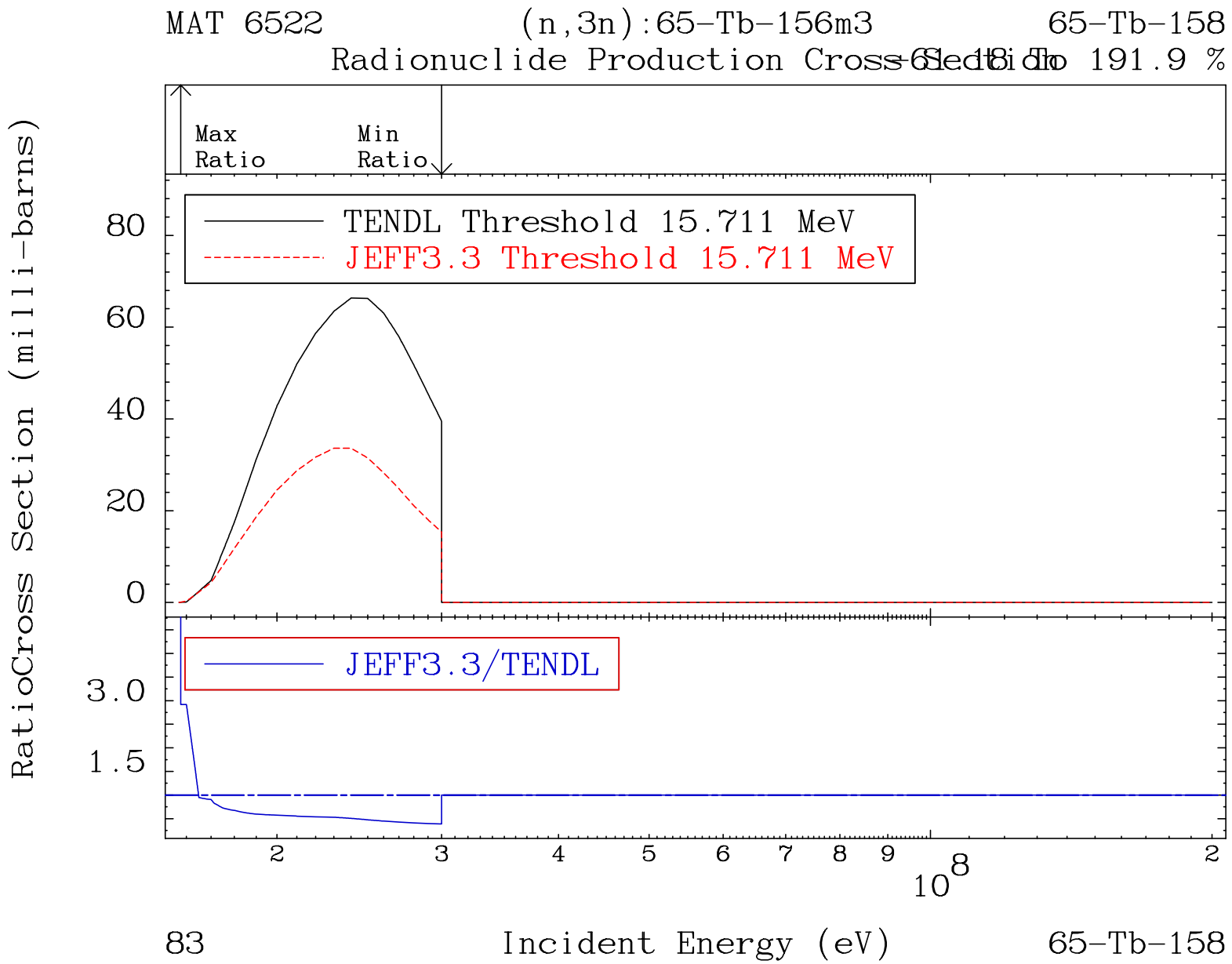

MAT 6522
Dpa inelastic (mt51-91)
65-Tb-158
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 55.391 keV
JEFF3.3 Threshold 55.391 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
65-Tb-158

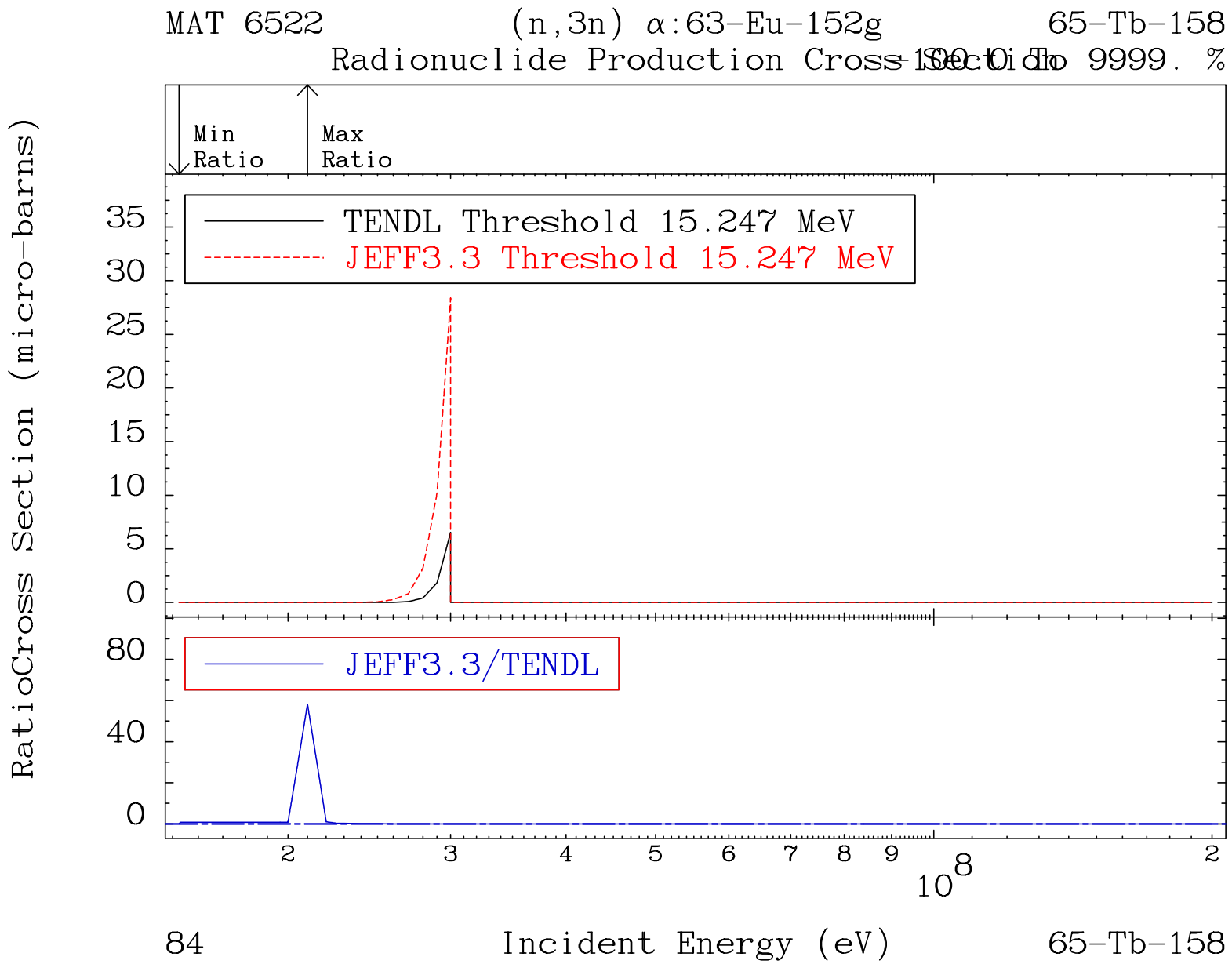

MAT 6522 Dpa disappearance (mt102 -120) 65-Tb-158
Cross Section -90.45 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
65-Tb-158

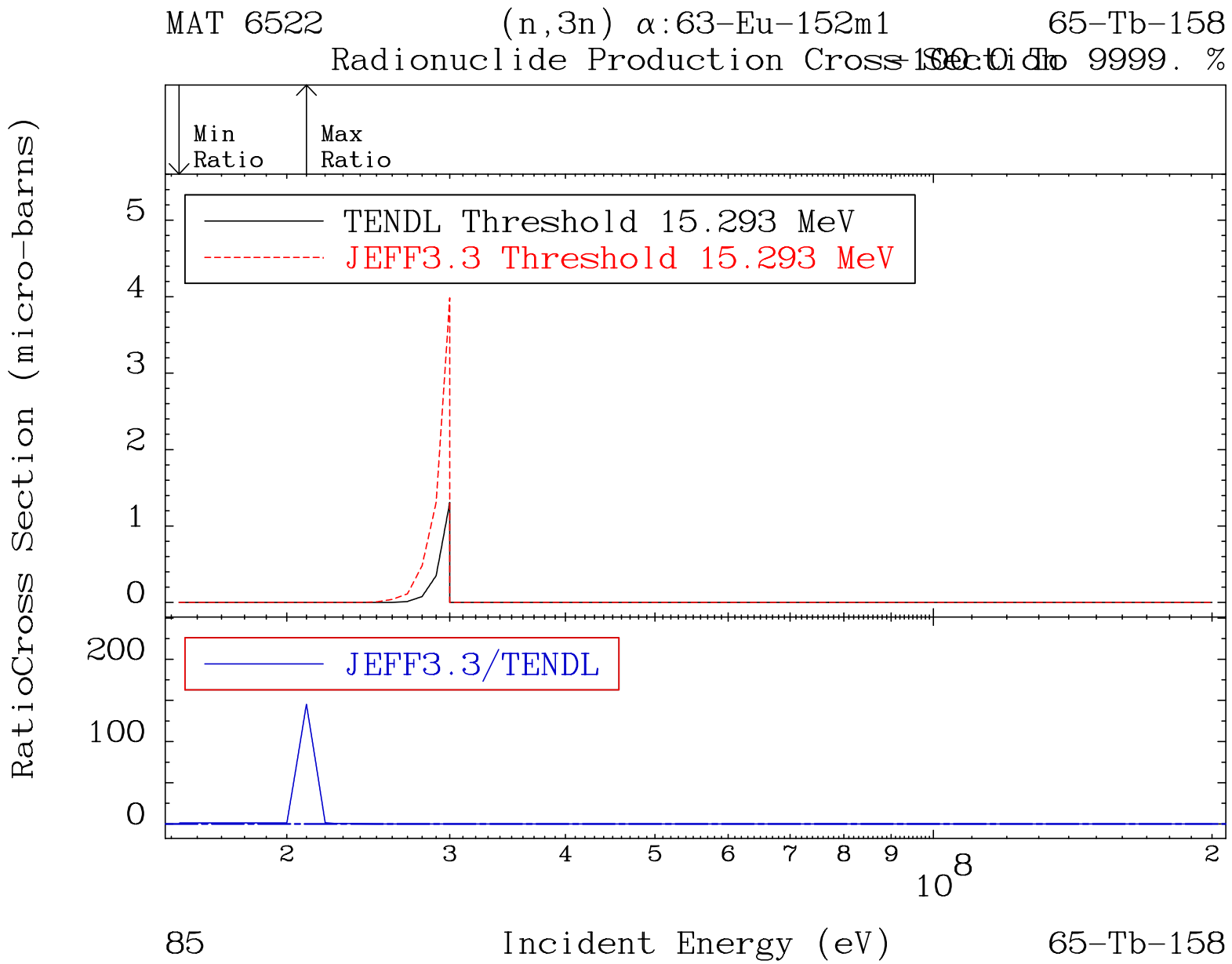

MAT 6522
Inelastic:65-Tb-158g
65-Tb-158
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 55.392 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
80
65-Tb-158


MAT 6522
Inelastic:65-Tb-158m3
65-Tb-158
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 111.00 keV
JEFF3.3 Threshold 111.00 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
65-Tb-158


MAT 6522
(n,3n):65-Tb-156g
65-Tb-158
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 15.622 MeV
JEFF3.3 Threshold 15.622 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
65-Tb-158


MAT 6522
(n,3n):65-Tb-156m3
65-Tb-158
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 15.711 MeV
JEFF3.3 Threshold 15.711 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
1.5
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
65-Tb-158


MAT 6522
(n,3n) α:63-Eu-152g
65-Tb-158
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.247 MeV
JEFF3.3 Threshold 15.247 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
35
30
25
20
15
10
5
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
84
Incident Energy (eV)
65-Tb-158


MAT 6522
(n,3n) α:63-Eu-152m1
65-Tb-158
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.293 MeV
JEFF3.3 Threshold 15.293 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
85
65-Tb-158