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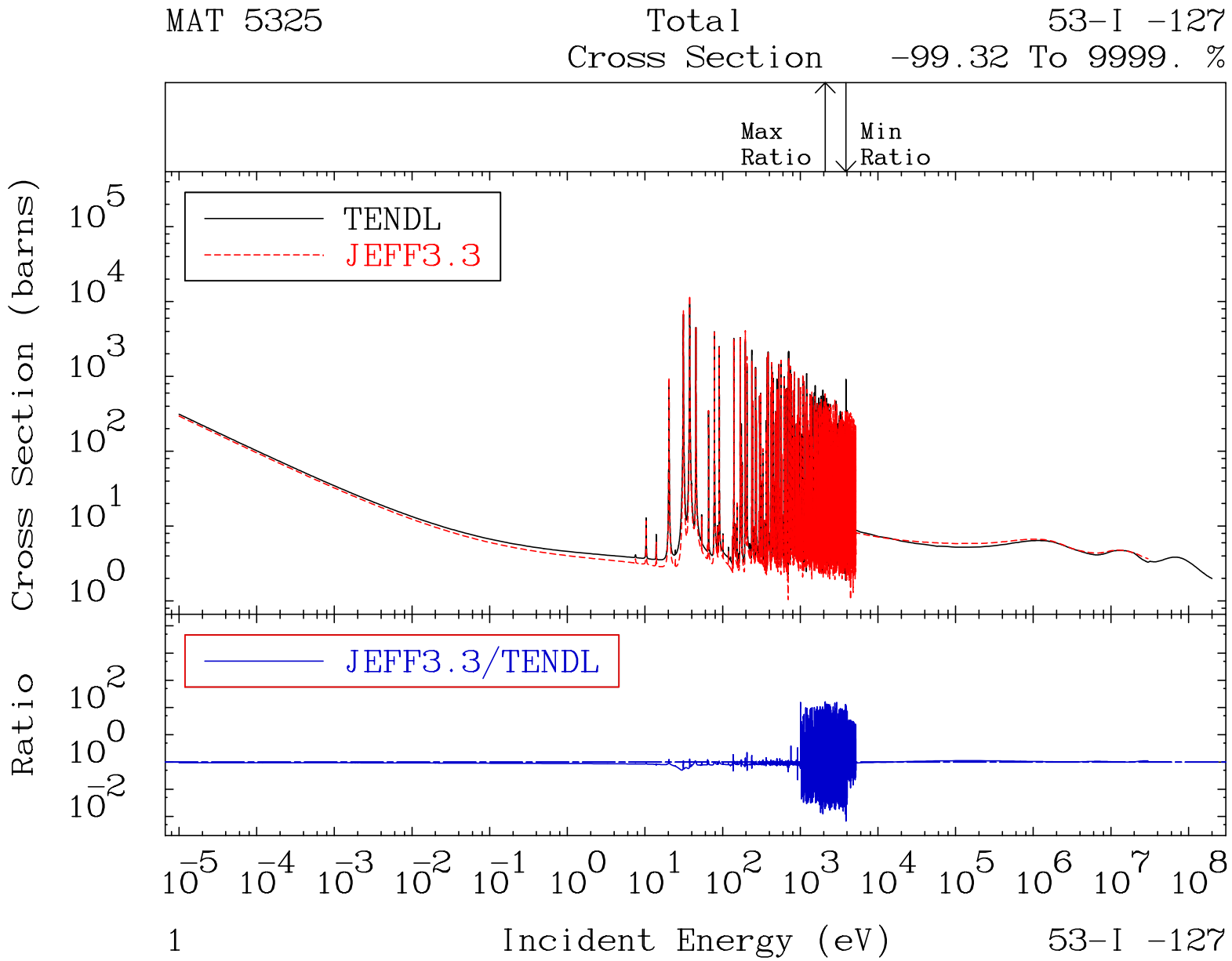
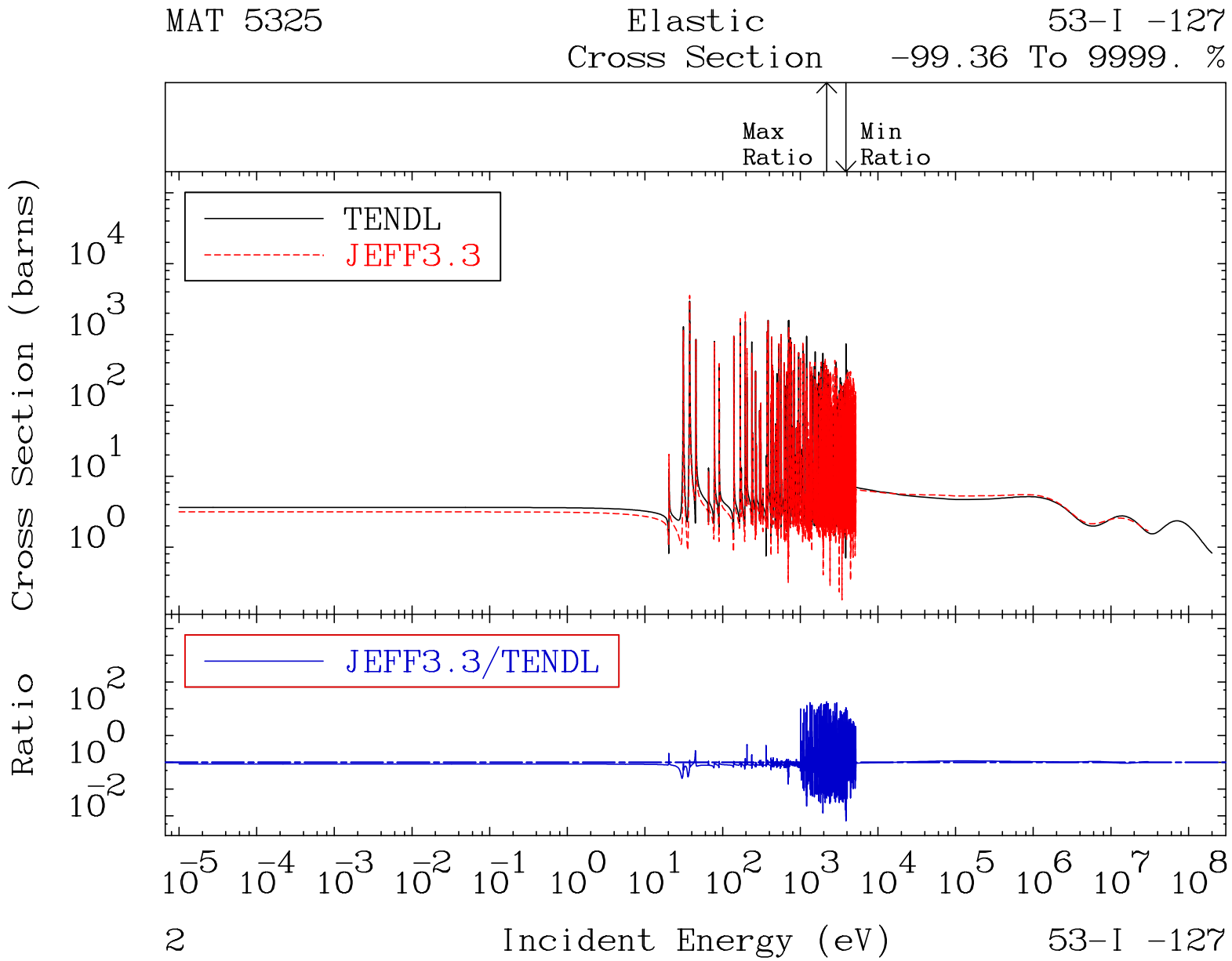
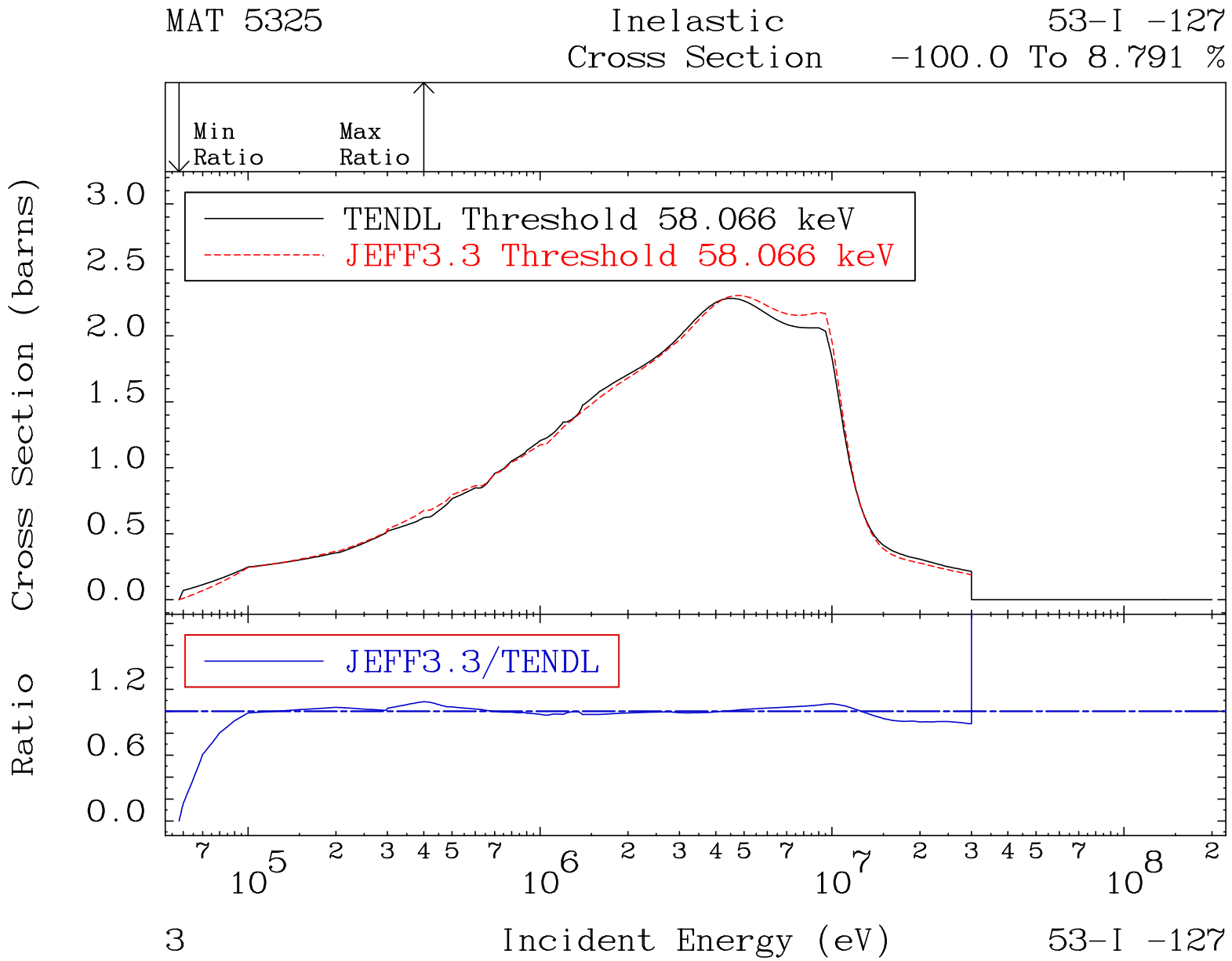
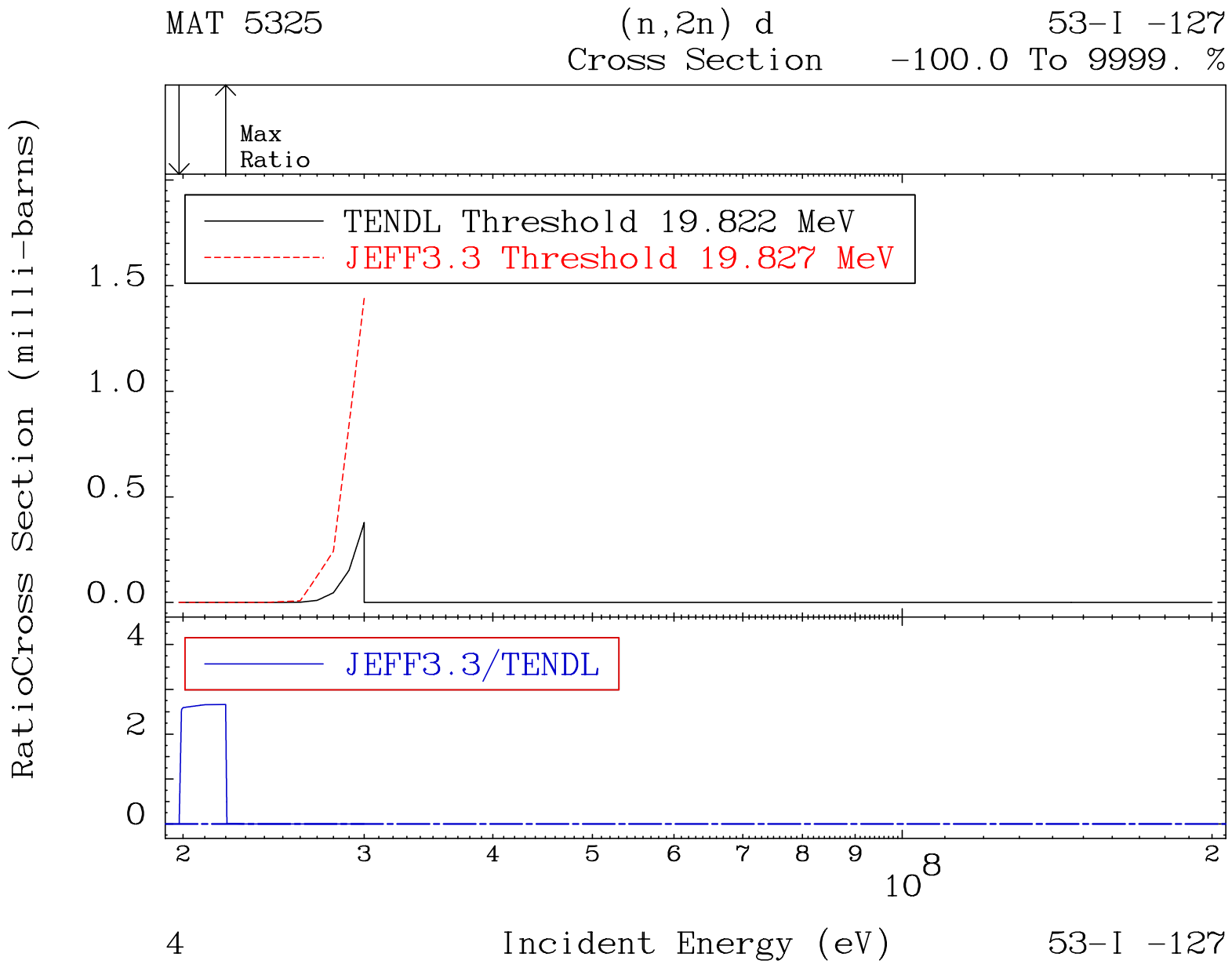
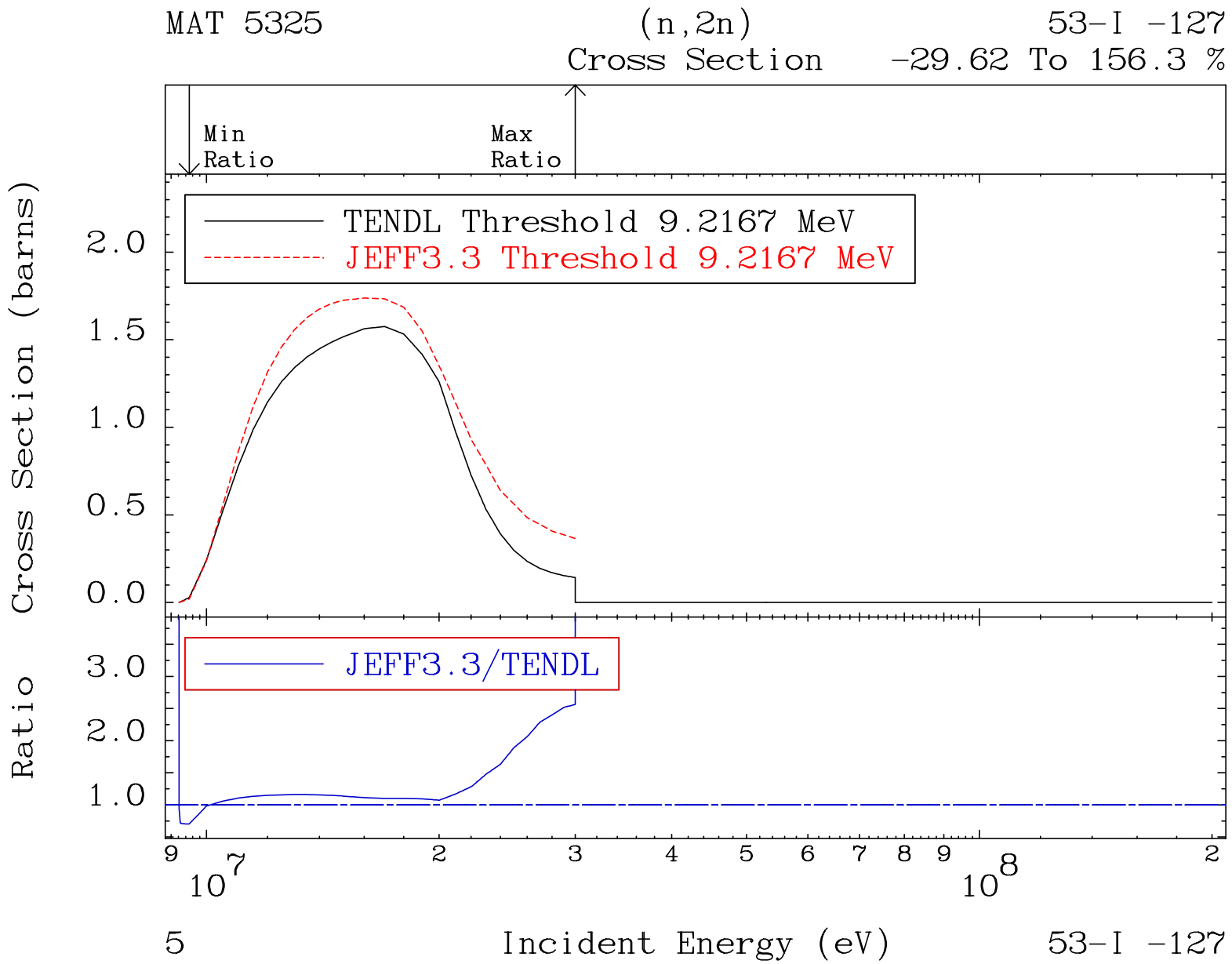
Press Mouse Button to Start

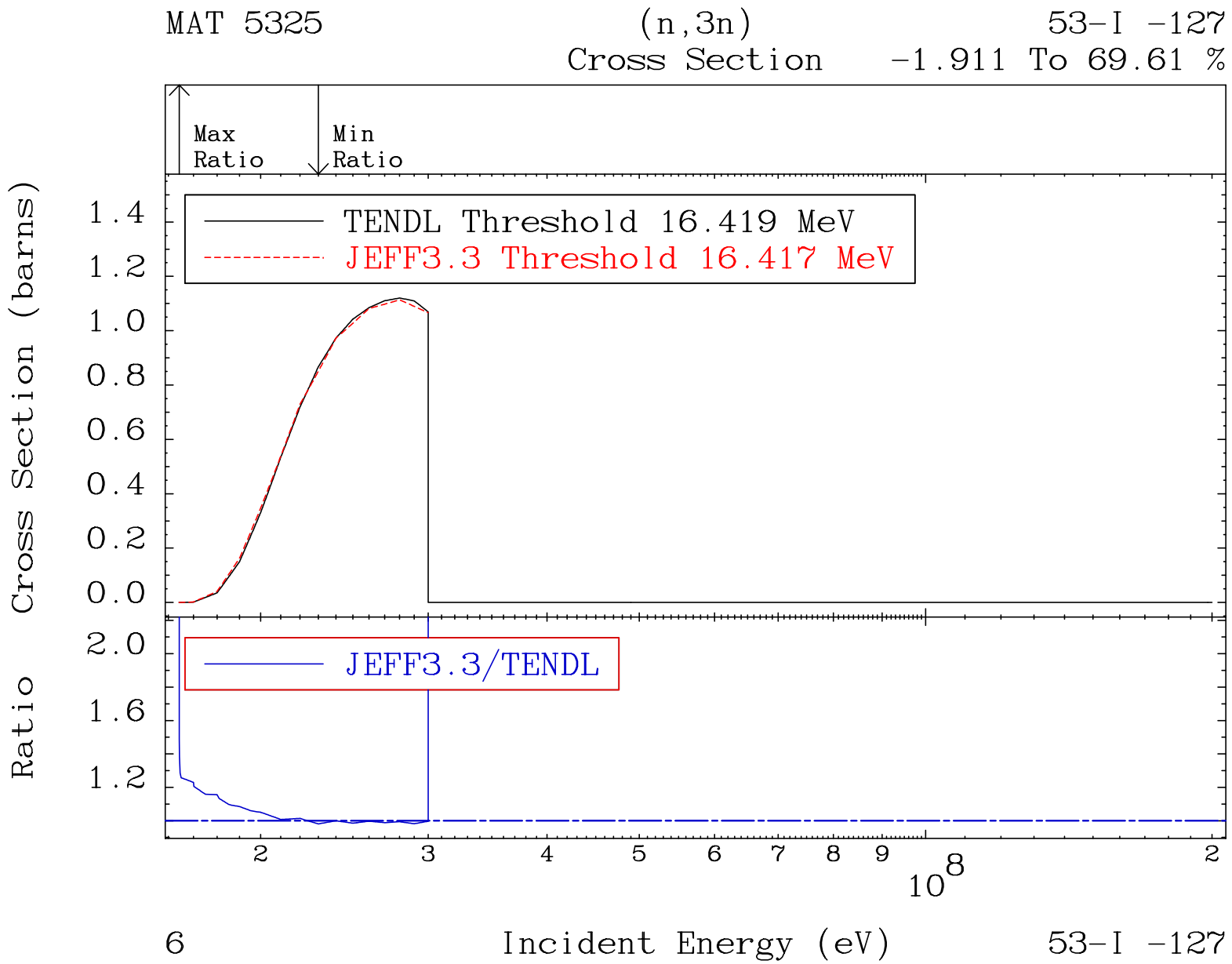

MAT 5325
Total
Cross Section
53-I -127
-99.32 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
53-I -127

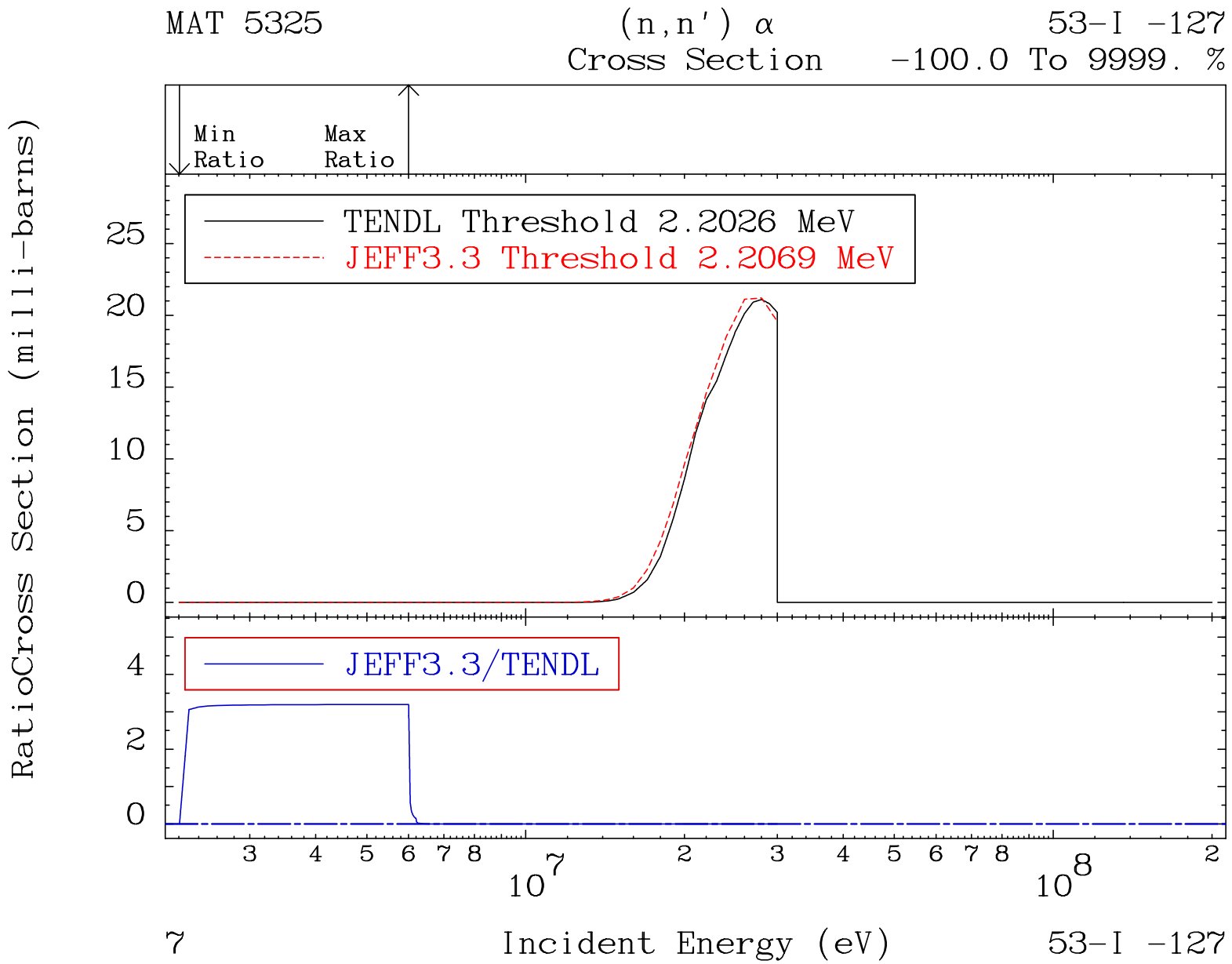

MAT 5325
Elastic
Cross Section
53-I -127
-99.36 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
53-I -127

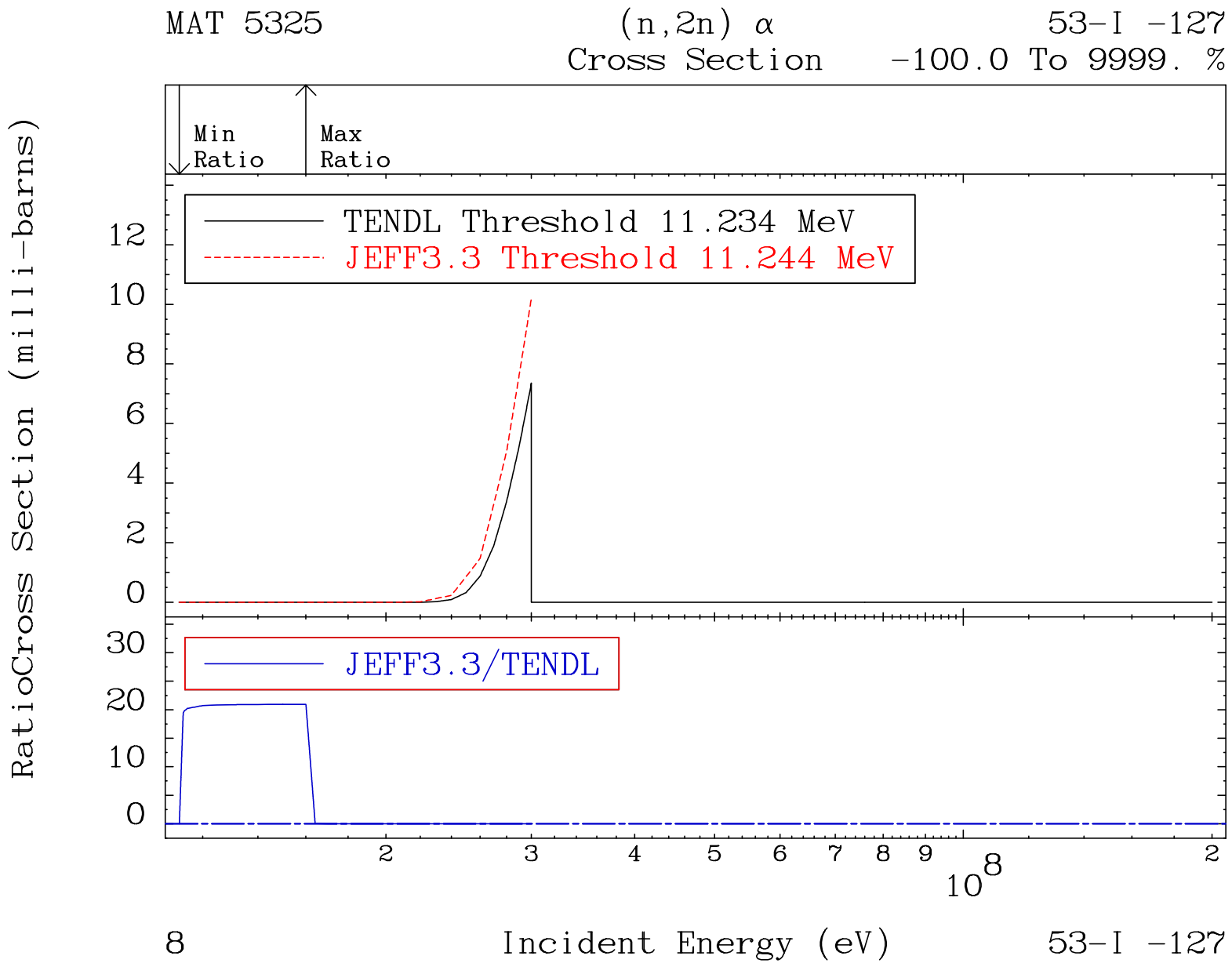

MAT 5325
Inelastic
Cross Section
53-I -127
-100.0 To 8.791 %
Min Ratio
Max Ratio
TENDL Threshold 58.066 keV
JEFF3.3 Threshold 58.066 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
53-I -127

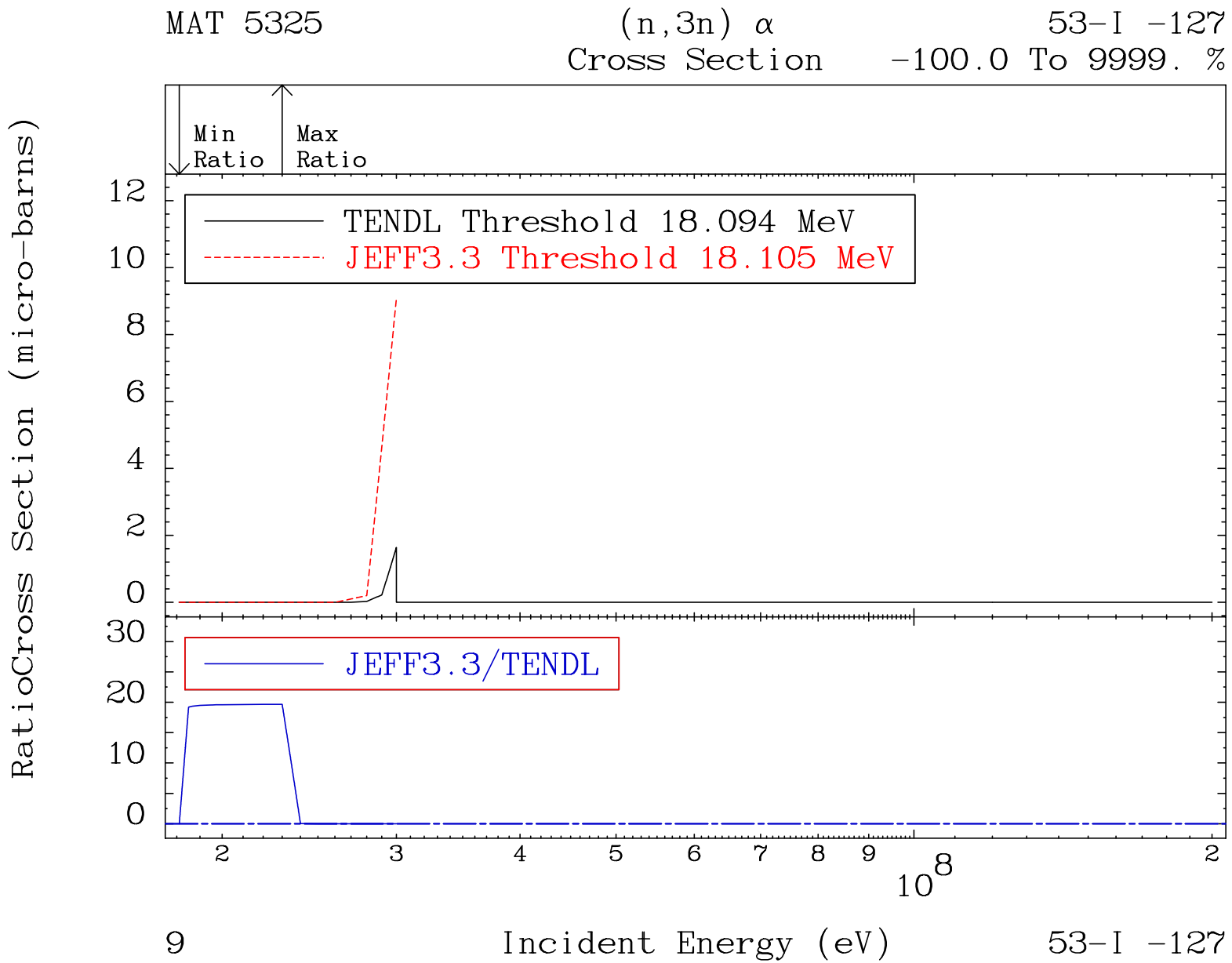

MAT 5325
(n,2n) d
Cross Section
53-I -127
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.822 MeV
JEFF3.3 Threshold 19.827 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
53-I -127

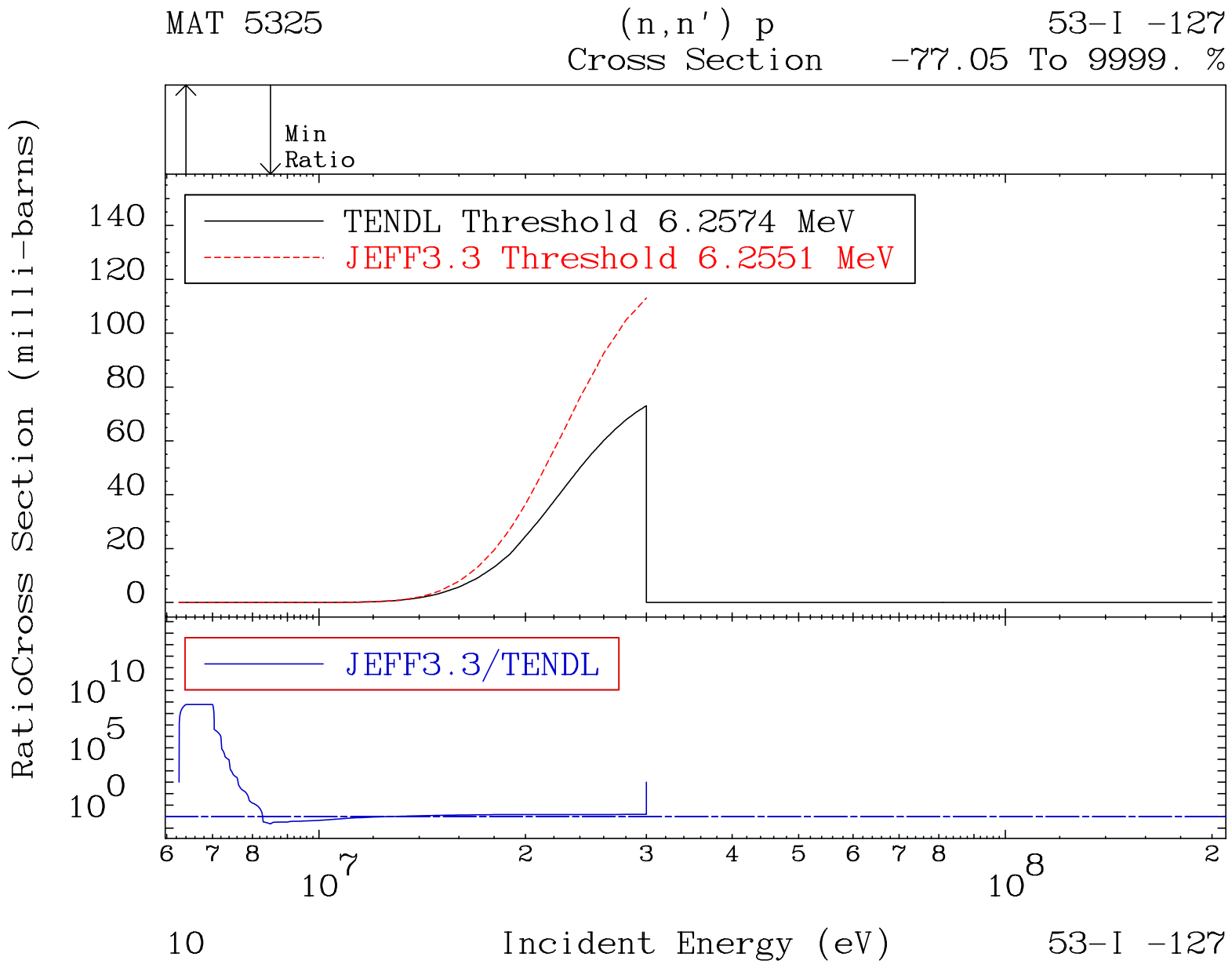

MAT 5325
(n,2n)
Cross Section
53-I -127
-29.62 To 156.3 %
Min Ratio
Max Ratio
TENDL Threshold 9.2167 MeV
JEFF3.3 Threshold 9.2167 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
5
53-I -127

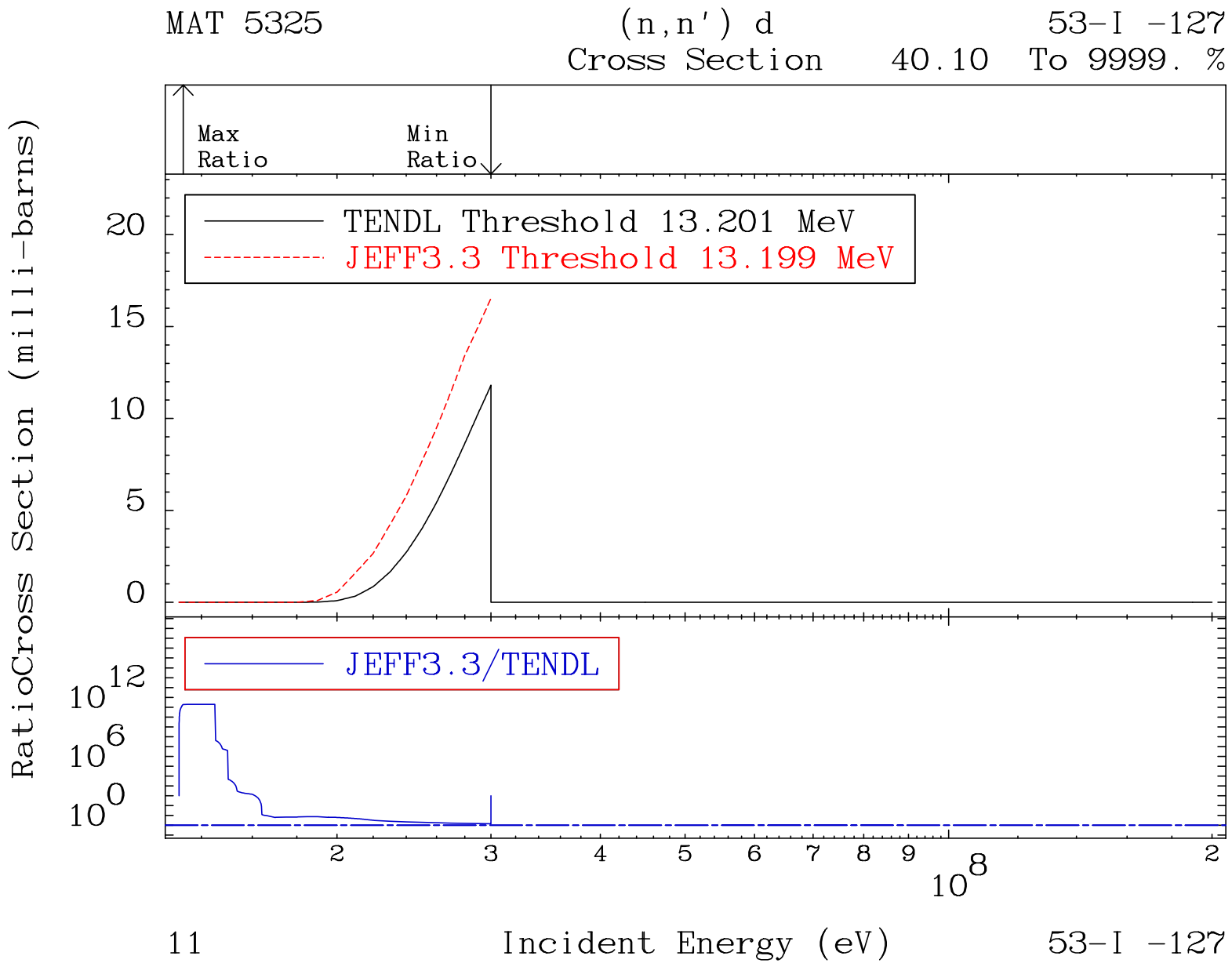

MAT 5325
(n,3n)
Cross Section
53-I -127
-1.911 To 69.61 %
Max Ratio
Min Ratio
TENDL Threshold 16.419 MeV
JEFF3.3 Threshold 16.417 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
53-I -127

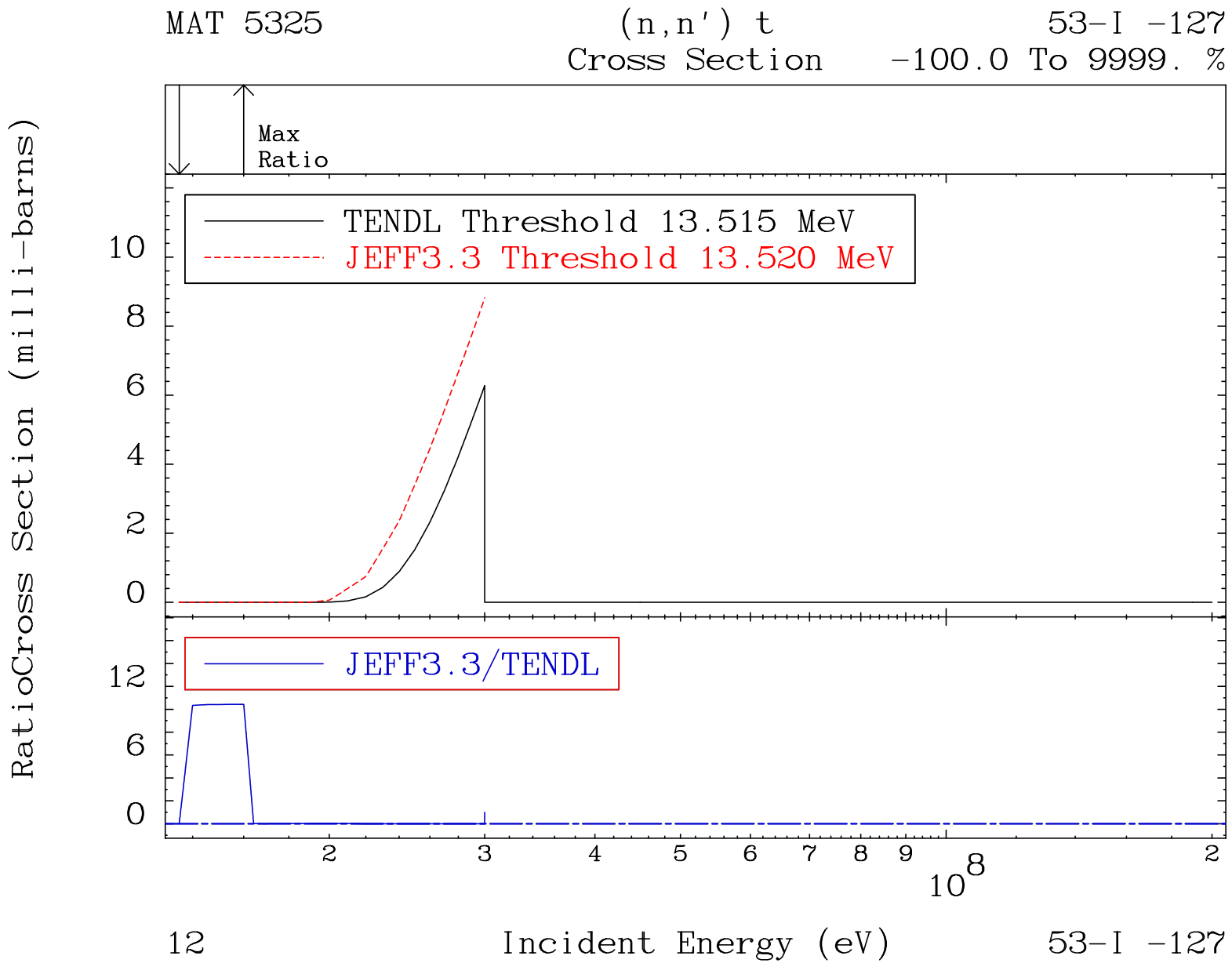

MAT 5325
(n,n') α
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2026 MeV
JEFF3.3 Threshold 2.2069 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
53-I -127

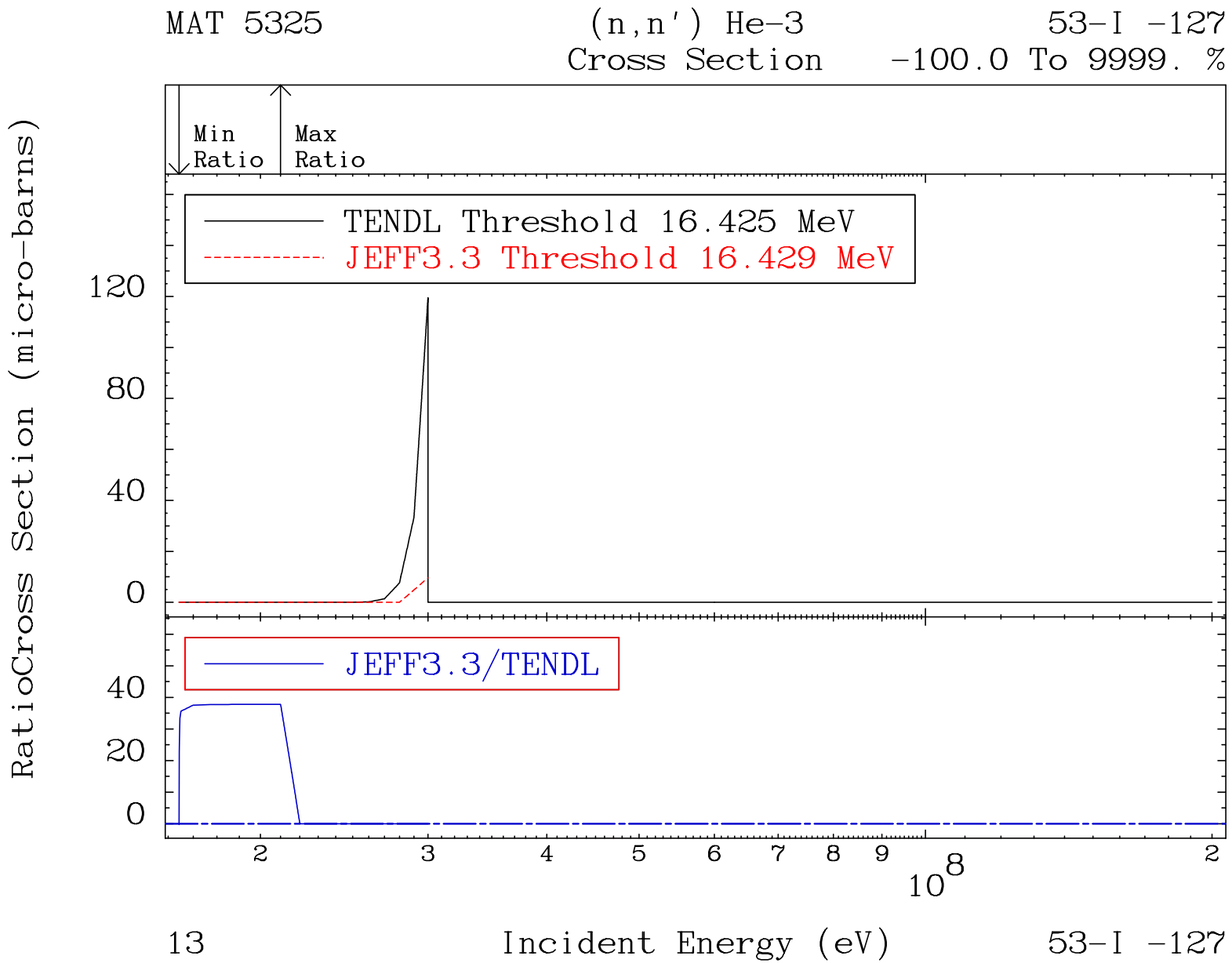

MAT 5325
(n,2n) α
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.234 MeV
JEFF3.3 Threshold 11.244 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
53-I -127

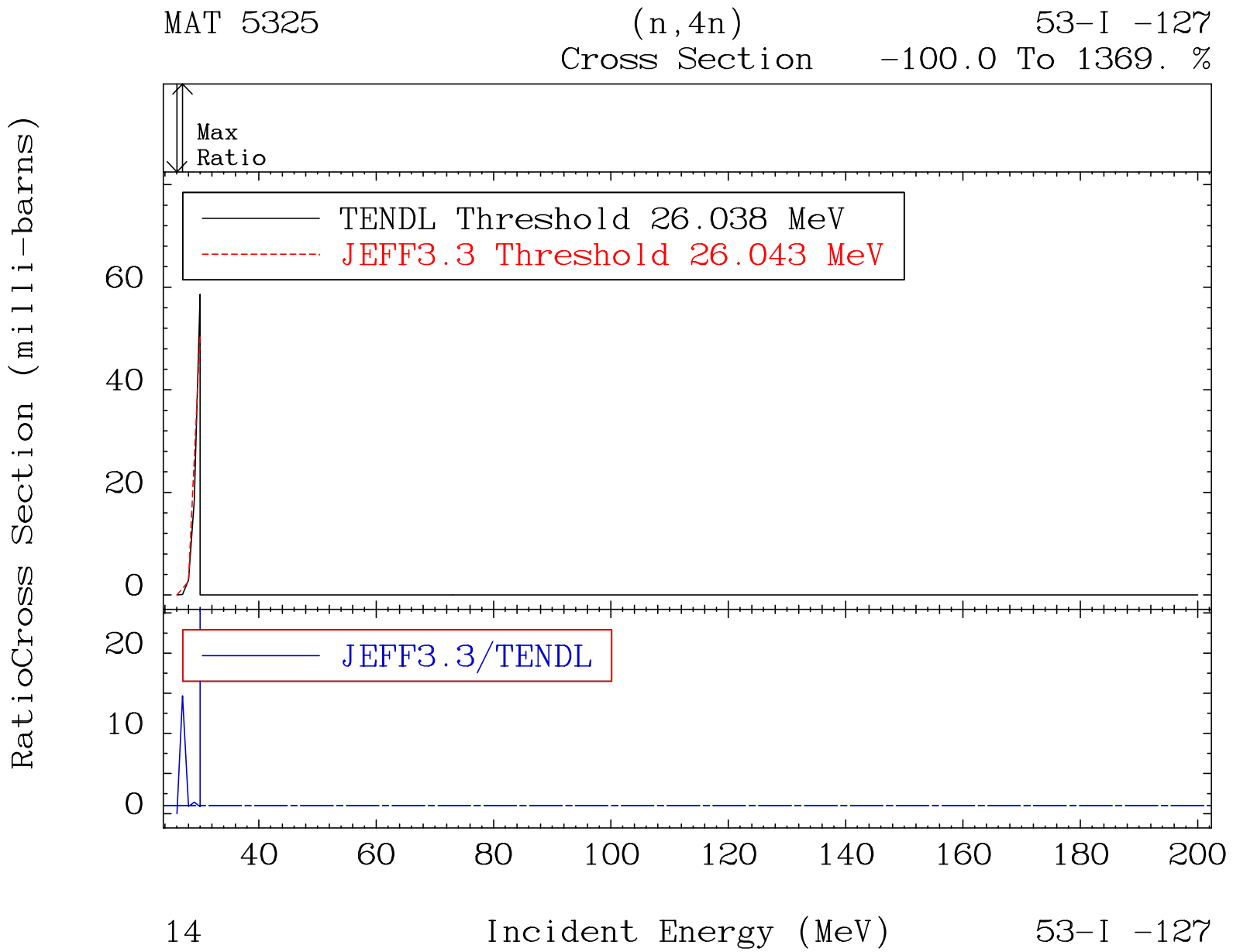

MAT 5325
(n,3n) α
53-I -127
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 18.094 MeV
JEFF3.3 Threshold 18.105 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
53-I -127

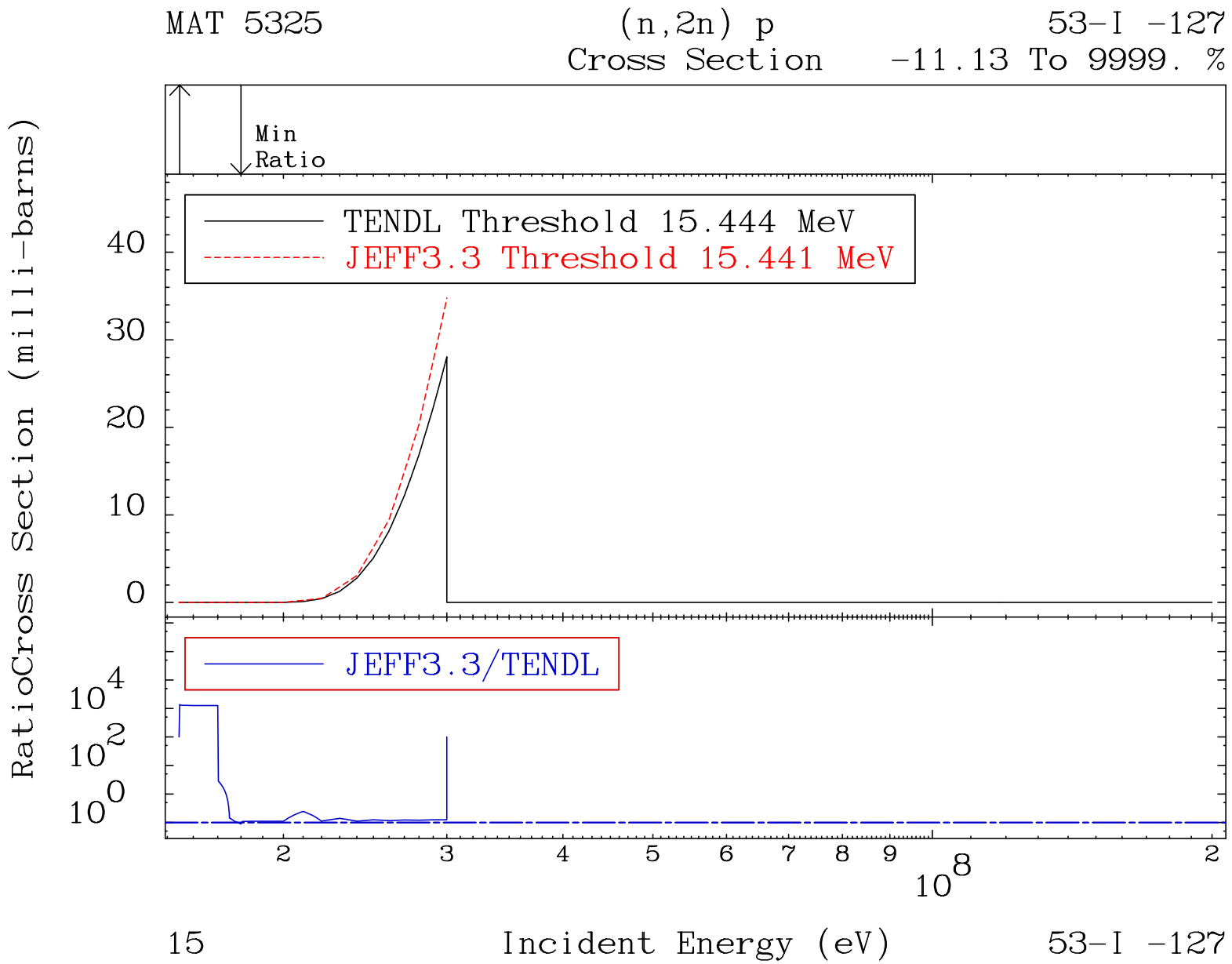

MAT 5325
(n,n') p
Cross Section
53-I -127
-77.05 To 9999. %
Min
Ratio
TENDL Threshold 6.2574 MeV
JEFF3.3 Threshold 6.2551 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^{10}
10^{5}
10^{0}
6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
10
Incident Energy (eV)
53-I -127

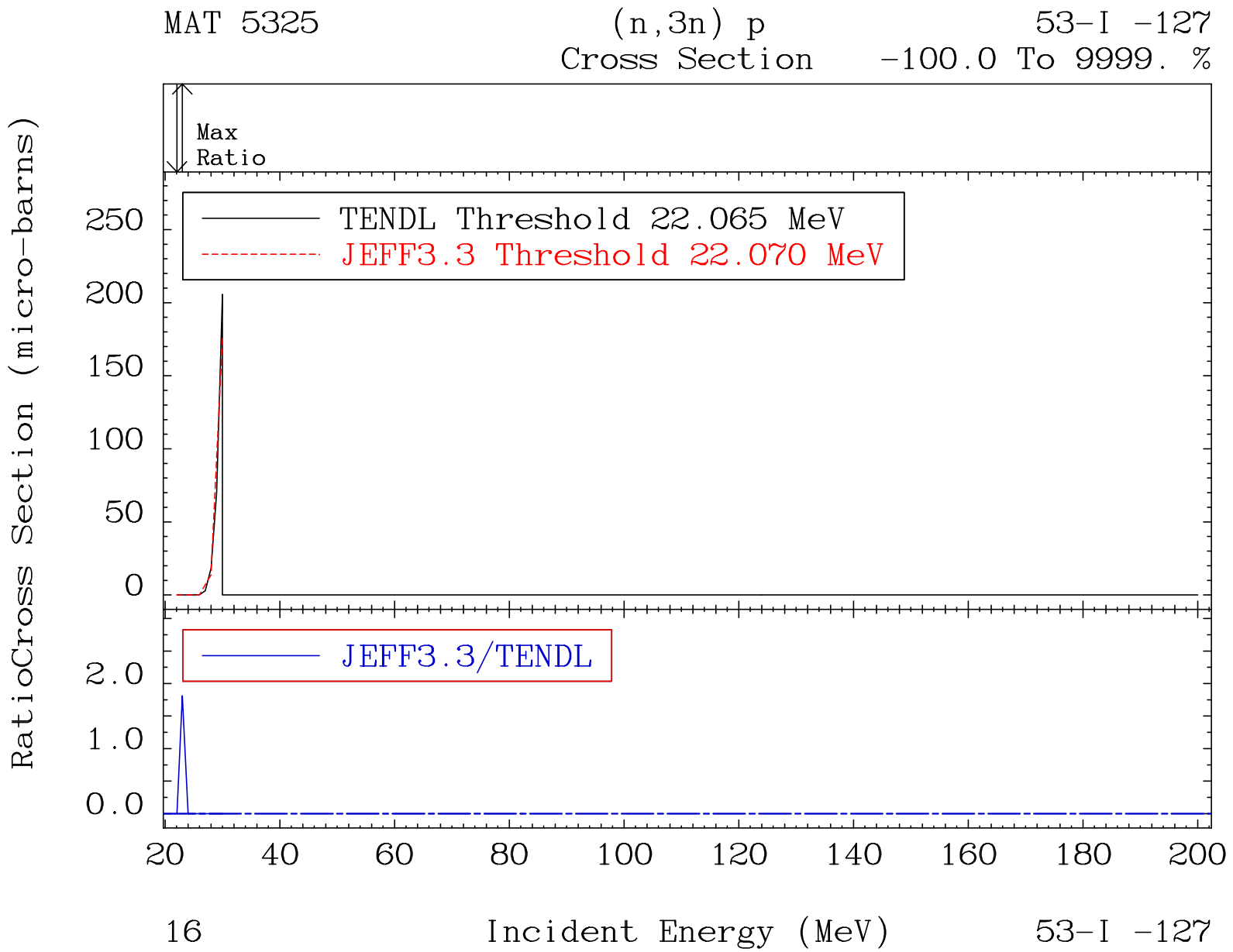

MAT 5325
(n,n') d
Cross Section
53-I -127
40.10 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.201 MeV
JEFF3.3 Threshold 13.199 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^{12}
10^{6}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
11
Incident Energy (eV)
53-I -127

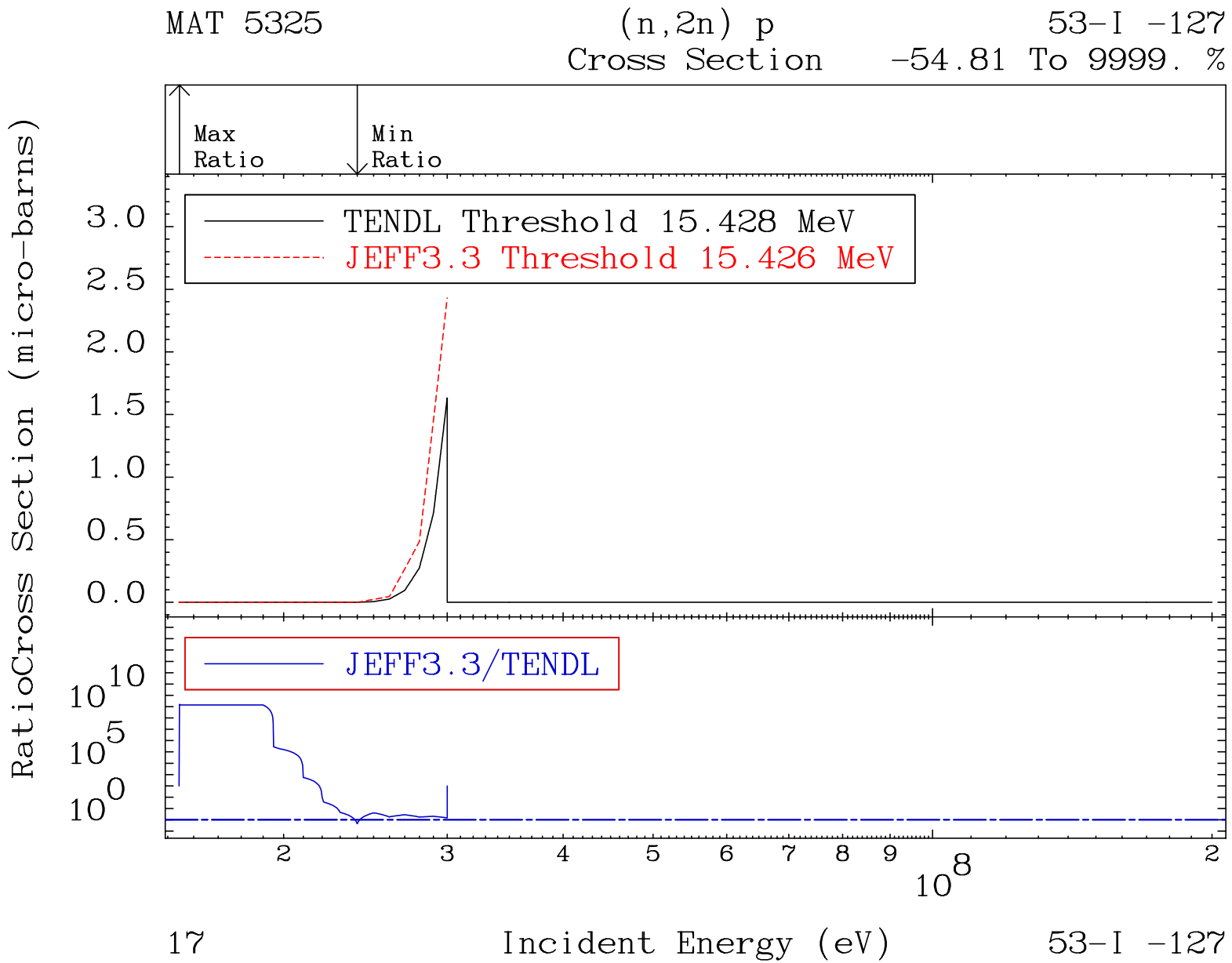

MAT 5325
(n,n') t
Cross Section
53-I -127
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 13.515 MeV
JEFF3.3 Threshold 13.520 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
53-I -127

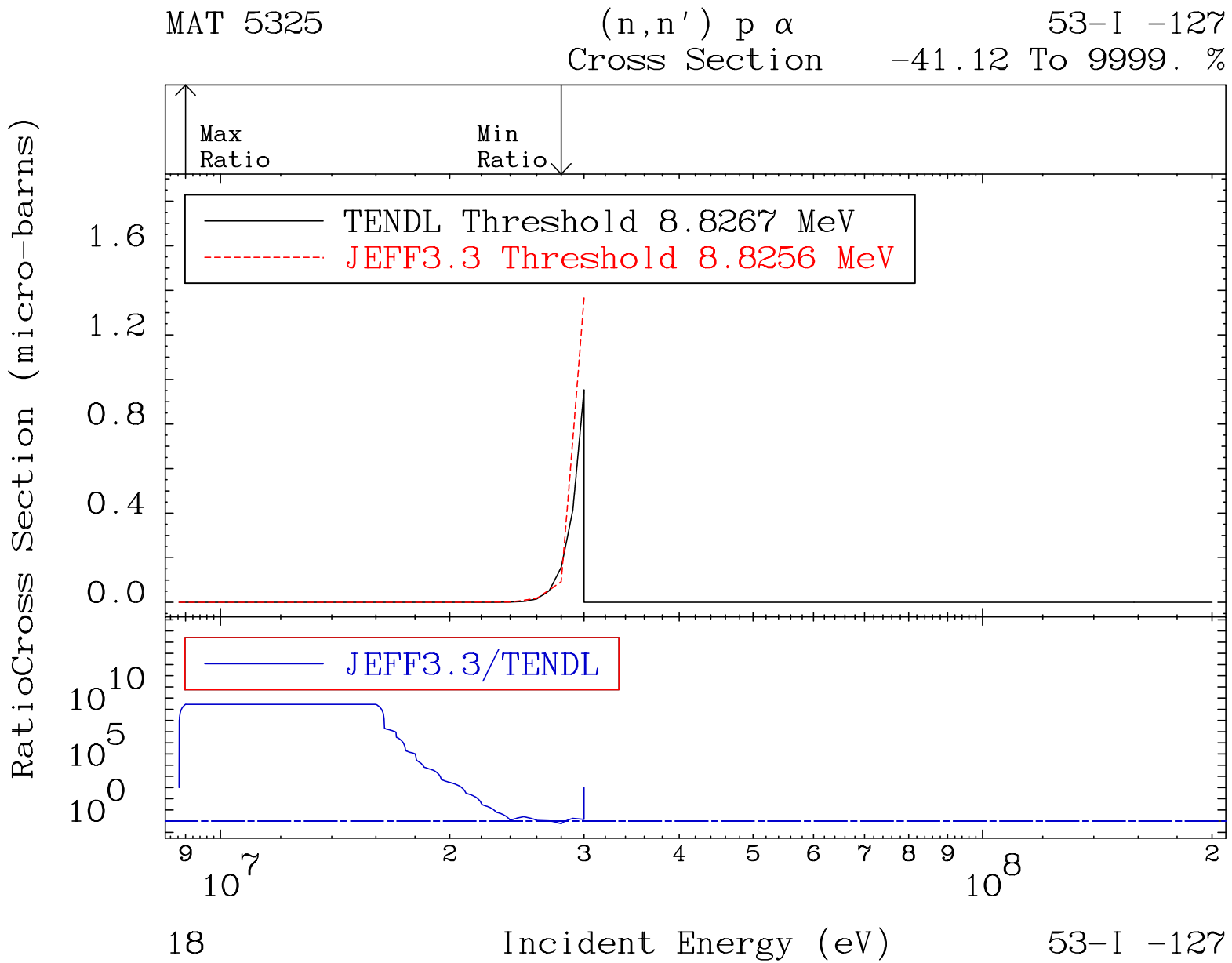

MAT 5325
(n,n') He-3
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 16.425 MeV
JEFF3.3 Threshold 16.429 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
80
40
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
53-I -127

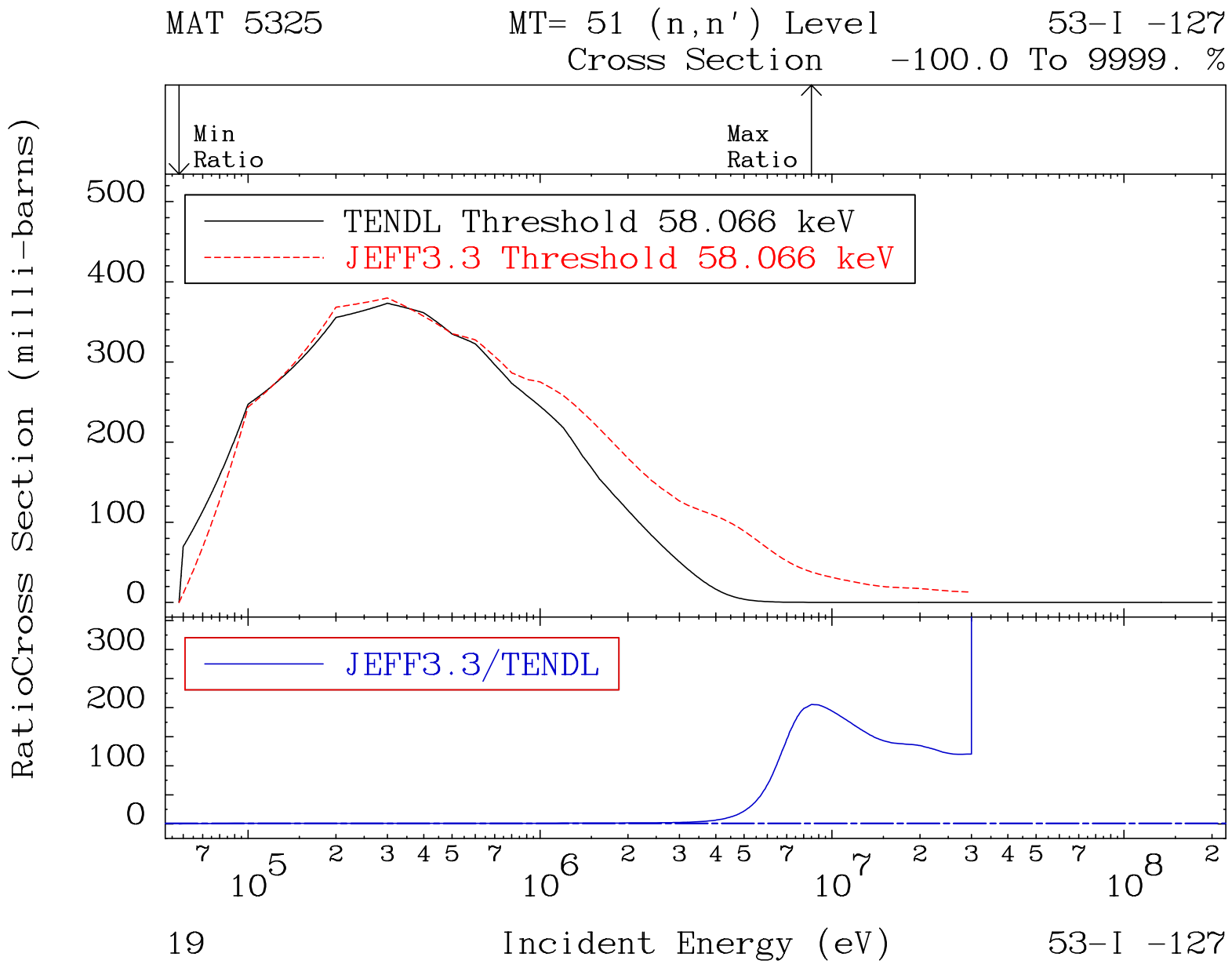

MAT 5325
(n,4n)
53-I -127
Cross Section
-100.0 To 1369. %
Max
Ratio
TENDL Threshold 26.038 MeV
JEFF3.3 Threshold 26.043 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
20
10
0
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
53-I -127

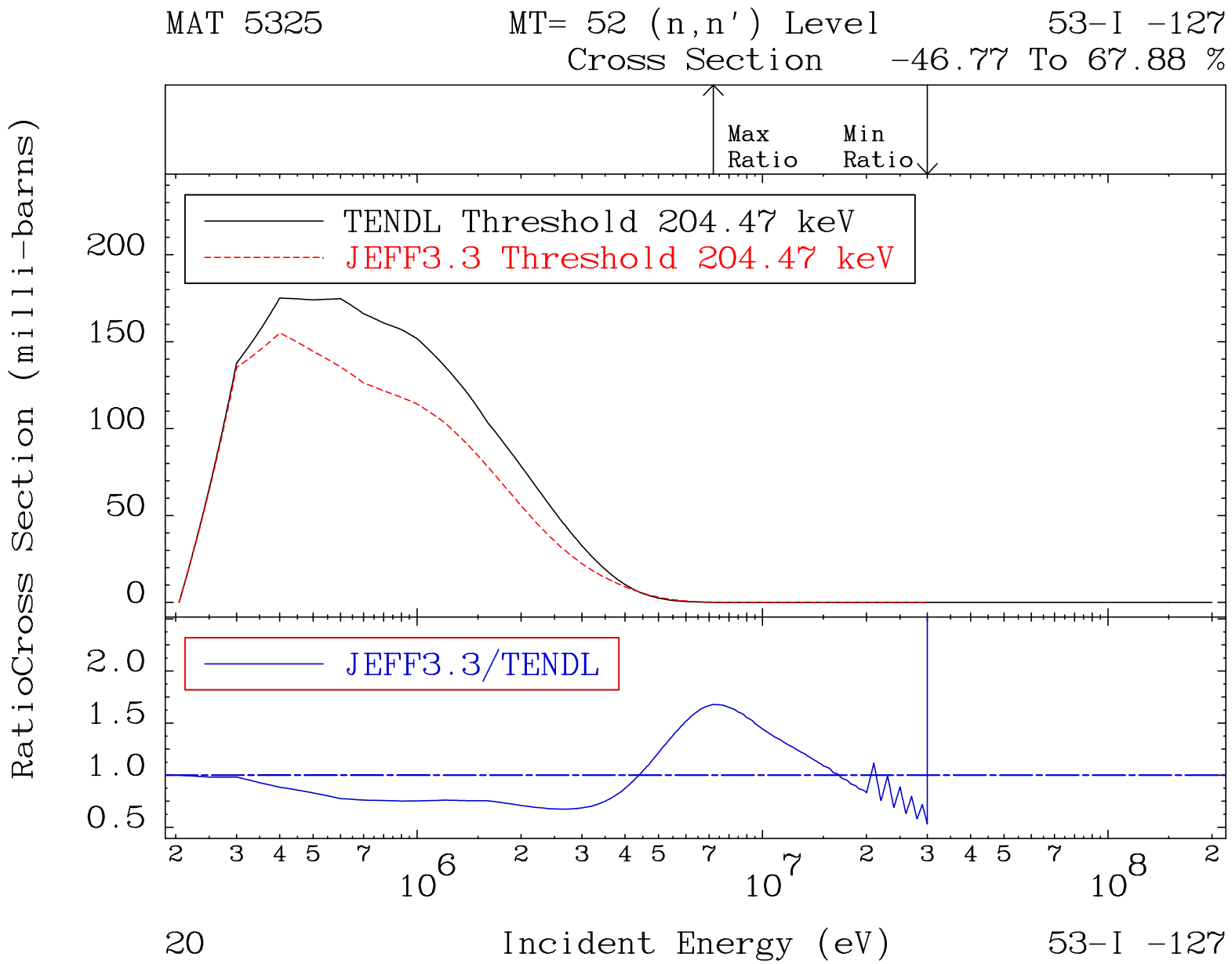

MAT 5325
(n,2n) p
Cross Section
53-I -127
-11.13 To 9999. %
Min
Ratio
TENDL Threshold 15.444 MeV
JEFF3.3 Threshold 15.441 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
53-I -127

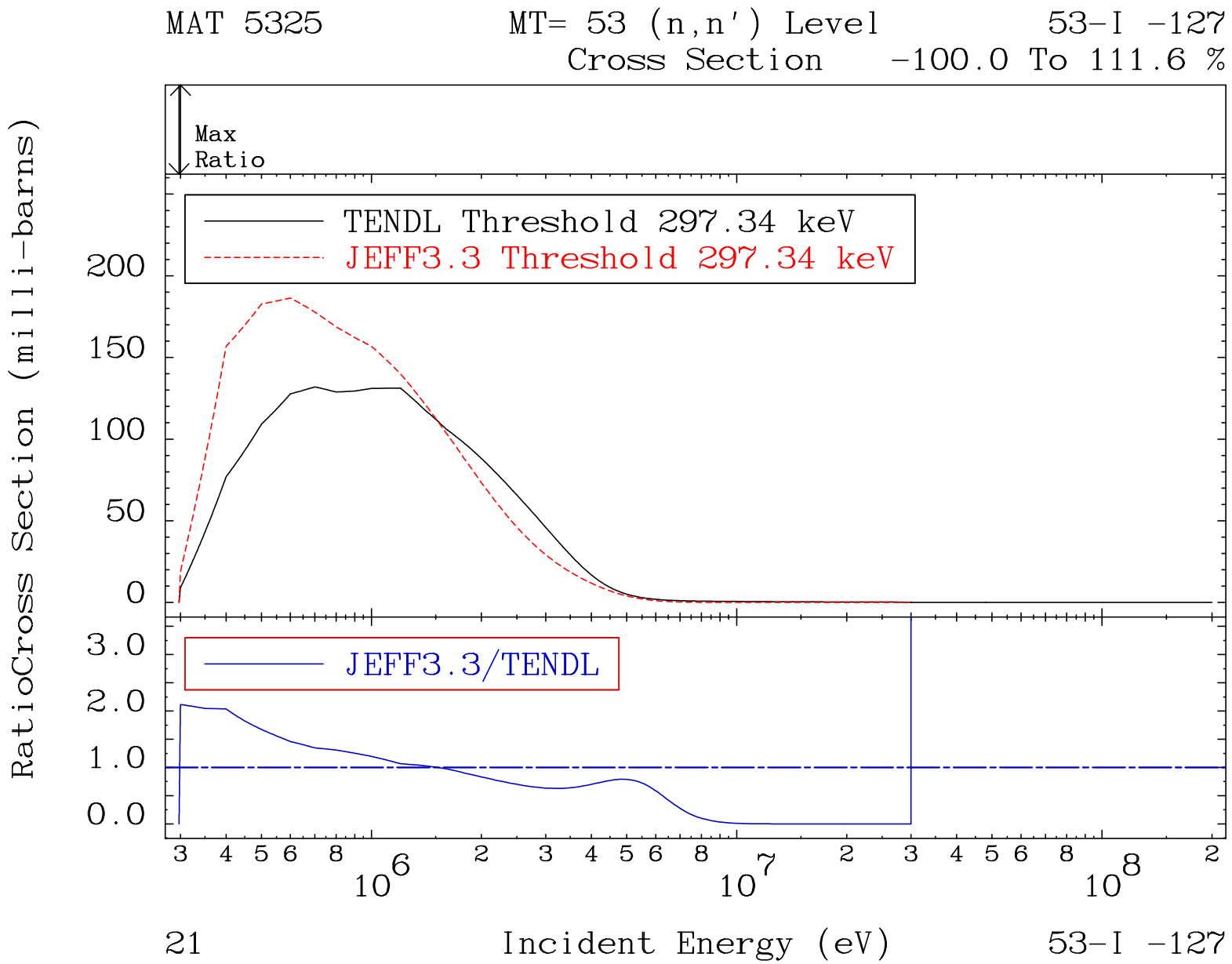

MAT 5325
(n,3n) p
Cross Section
53-I -127
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 22.065 MeV
JEFF3.3 Threshold 22.070 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
2.0
1.0
0.0
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
53-I -127

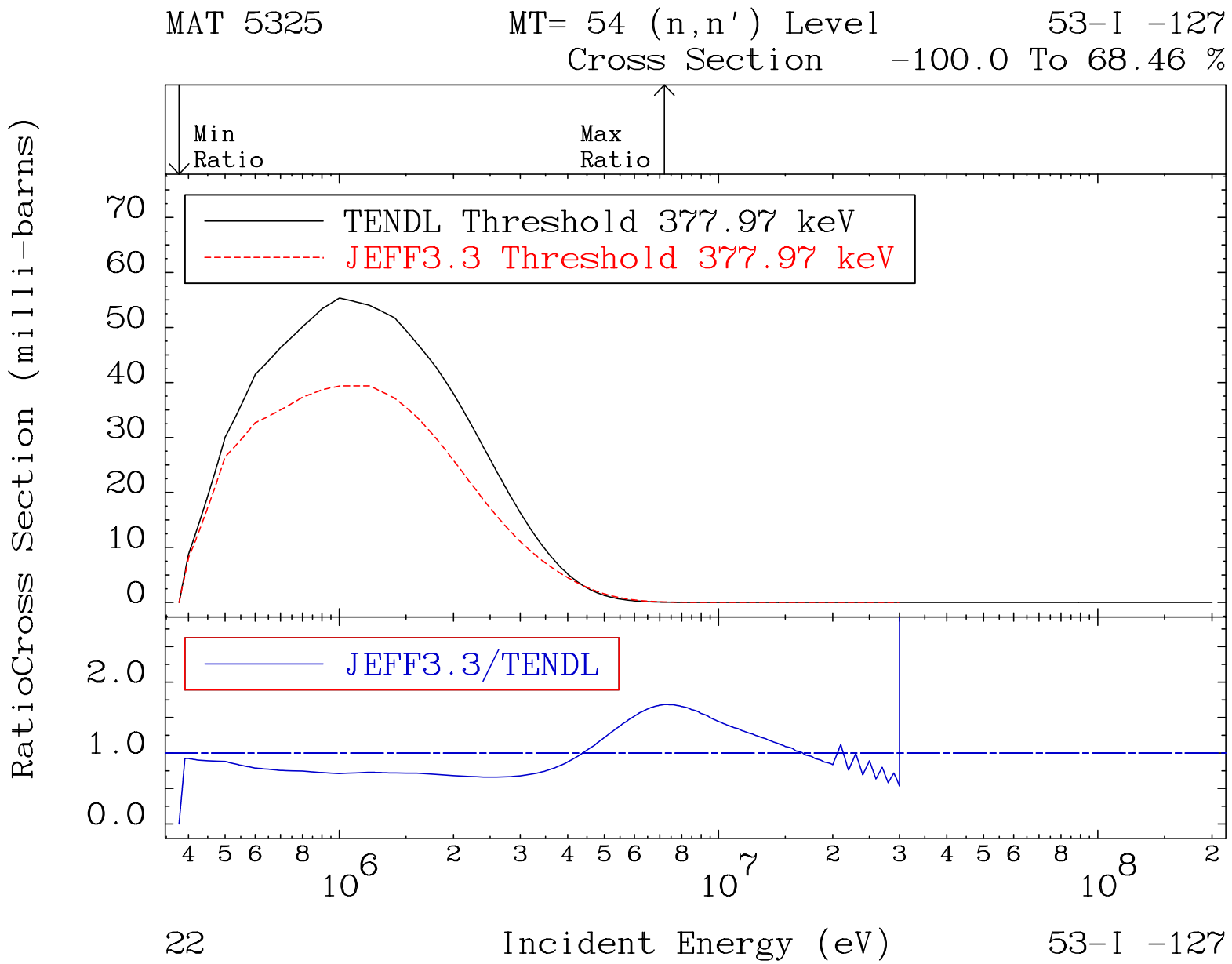

MAT 5325
(n,2n) p
Cross Section
53-I -127
-54.81 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 15.428 MeV
JEFF3.3 Threshold 15.426 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^10
10^5
10^0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
53-I -127

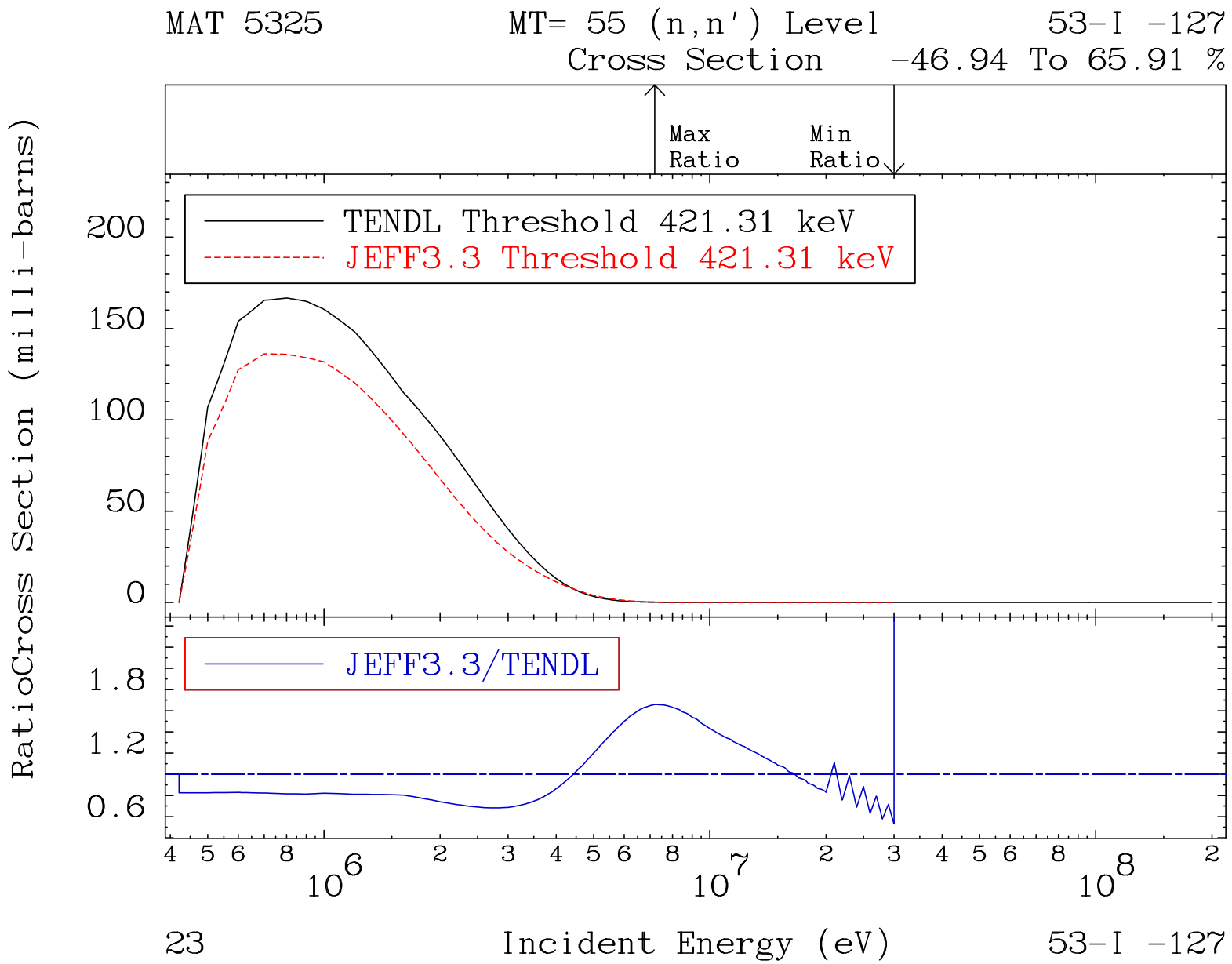

MAT 5325
(n,n') p α
Cross Section
53-I -127
-41.12 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.8267 MeV
JEFF3.3 Threshold 8.8256 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.6
1.2
0.8
0.4
0.0
10^10
10^5
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
53-I -127

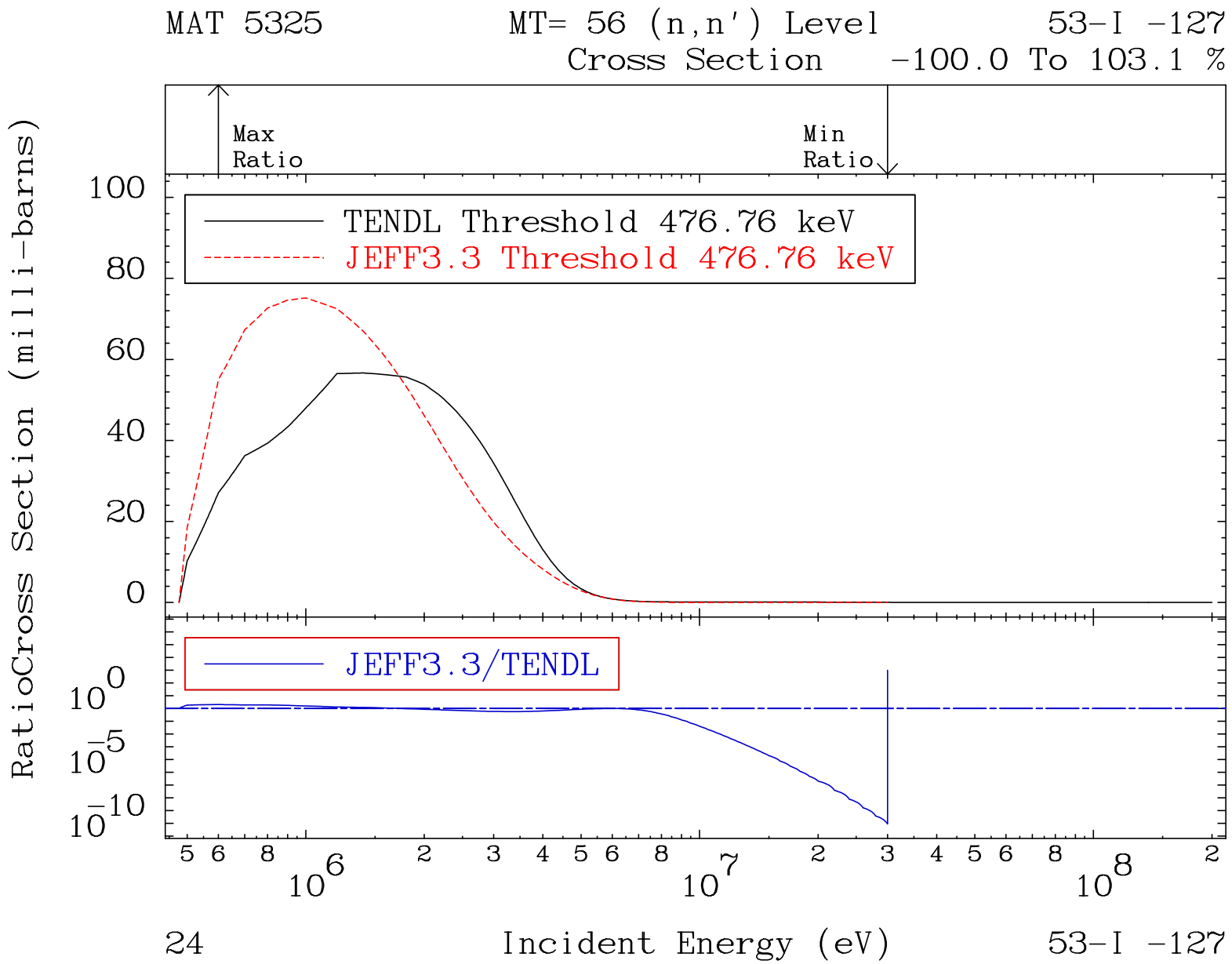

MAT 5325
MT= 51 (n,n') Level
53-I -127
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 58.066 keV
JEFF3.3 Threshold 58.066 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
53-I -127

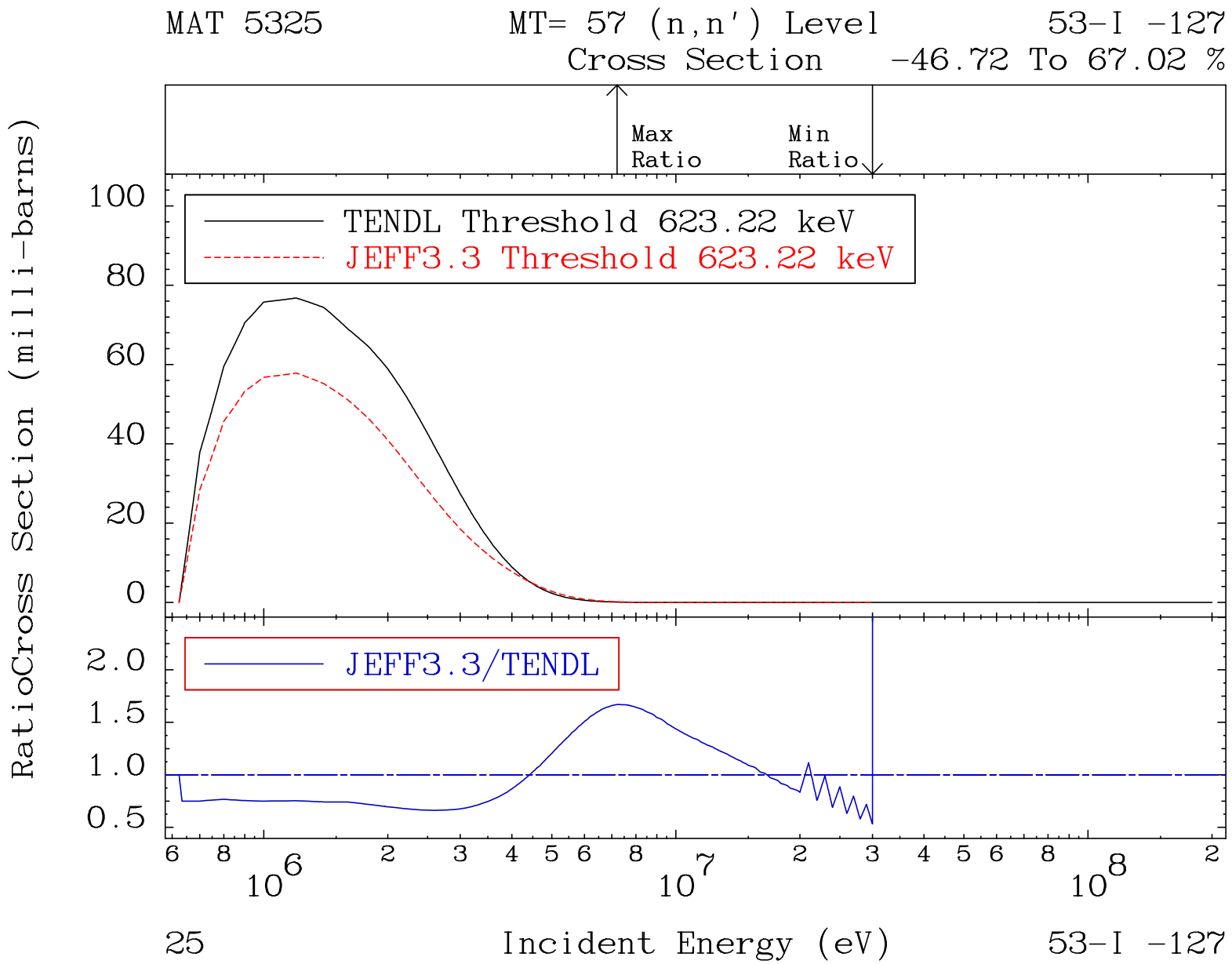

MAT 5325
MT= 52 (n,n') Level
53-I -127
Cross Section -46.77 To 67.88 %
Max Ratio
Min Ratio
TENDL Threshold 204.47 keV
JEFF3.3 Threshold 204.47 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.5
1.0
0.5
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
20
Incident Energy (eV)
53-I -127

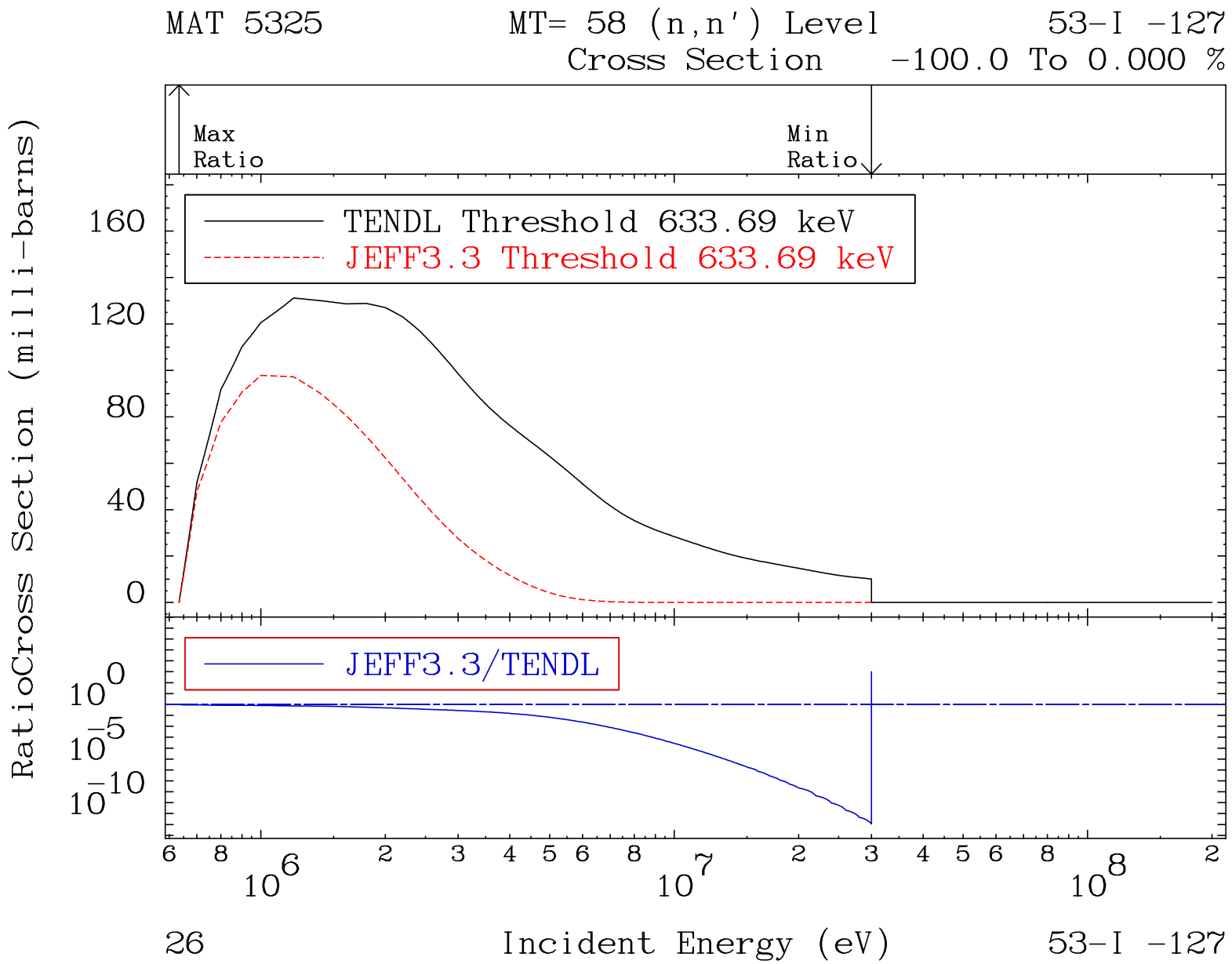

MAT 5325
MT= 53 (n,n') Level
53-I -127
Cross Section
-100.0 To 111.6 %
Max
Ratio
TENDL Threshold 297.34 keV
JEFF3.3 Threshold 297.34 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
53-I -127

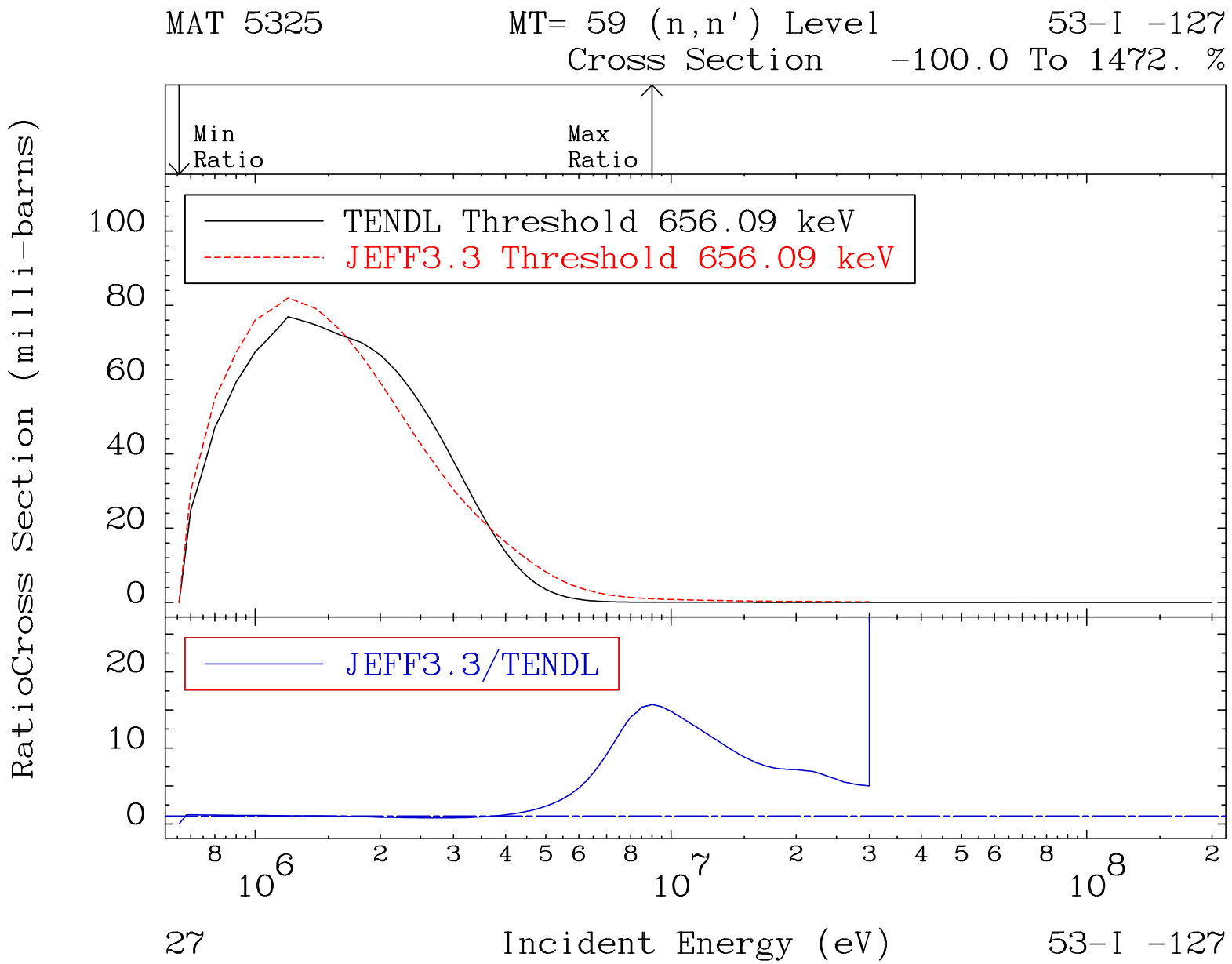

MAT 5325
MT= 54 (n,n') Level
53-I -127
Cross Section
-100.0 To 68.46 %
Min Ratio
Max Ratio
TENDL Threshold 377.97 keV
JEFF3.3 Threshold 377.97 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
53-I -127

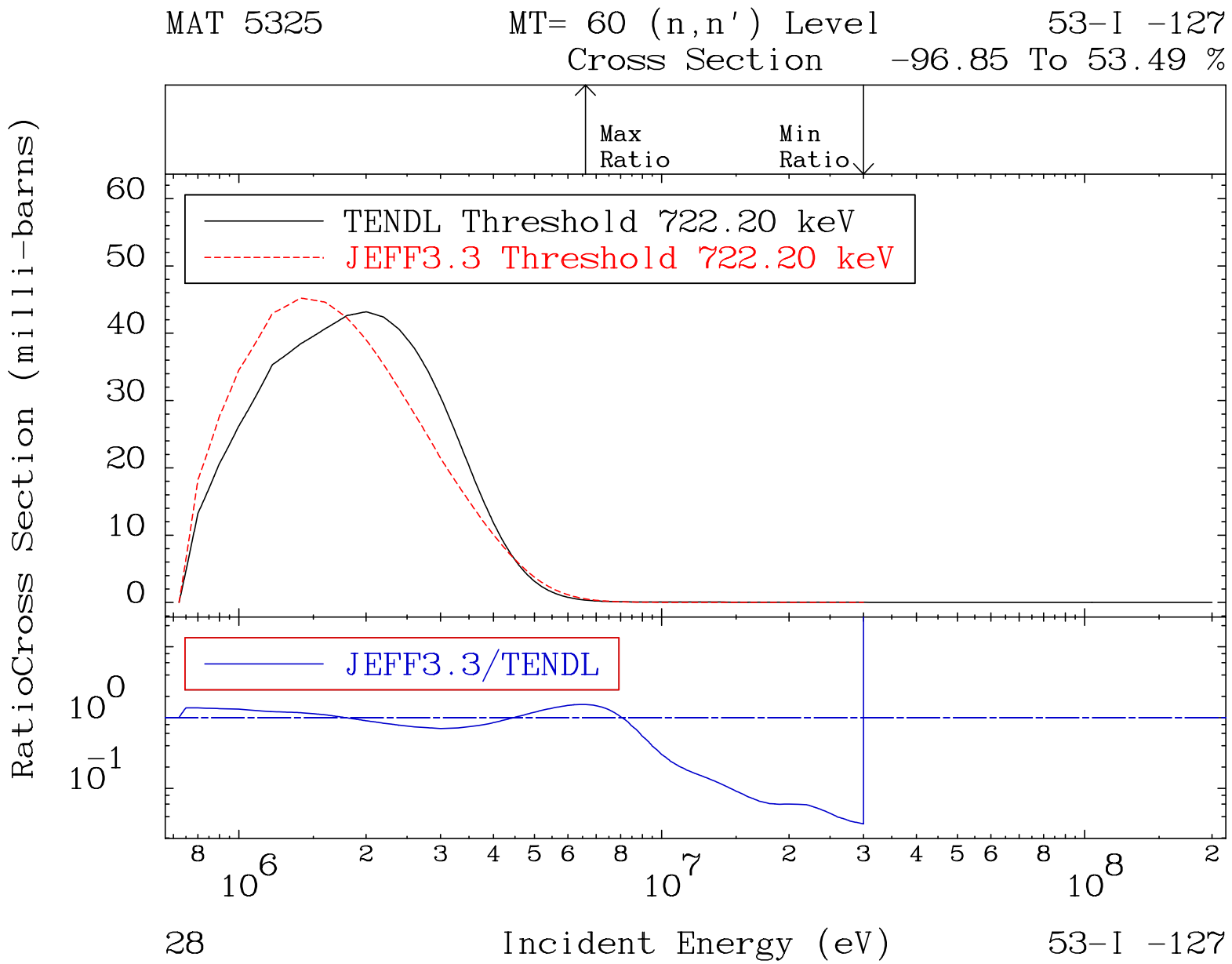

MAT 5325
MT= 55 (n,n') Level
53-I -127
Cross Section -46.94 To 65.91 %
Max Ratio
Min Ratio
TENDL Threshold 421.31 keV
JEFF3.3 Threshold 421.31 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.8
1.2
0.6
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
53-I -127

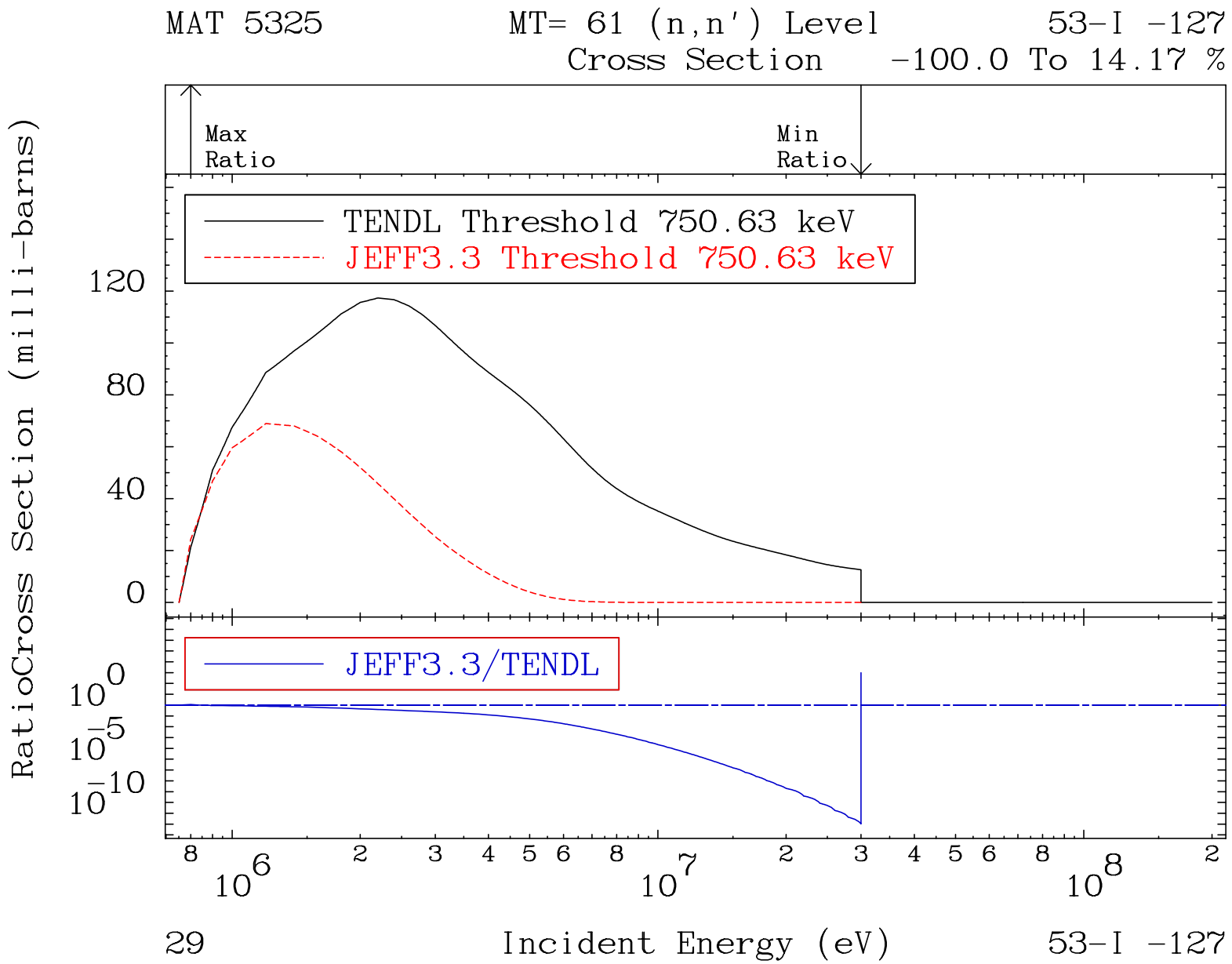

MAT 5325
MT= 56 (n,n') Level
53-I -127
Cross Section
-100.0 To 103.1 %
Max Ratio
Min Ratio
TENDL Threshold 476.76 keV
JEFF3.3 Threshold 476.76 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
53-I -127

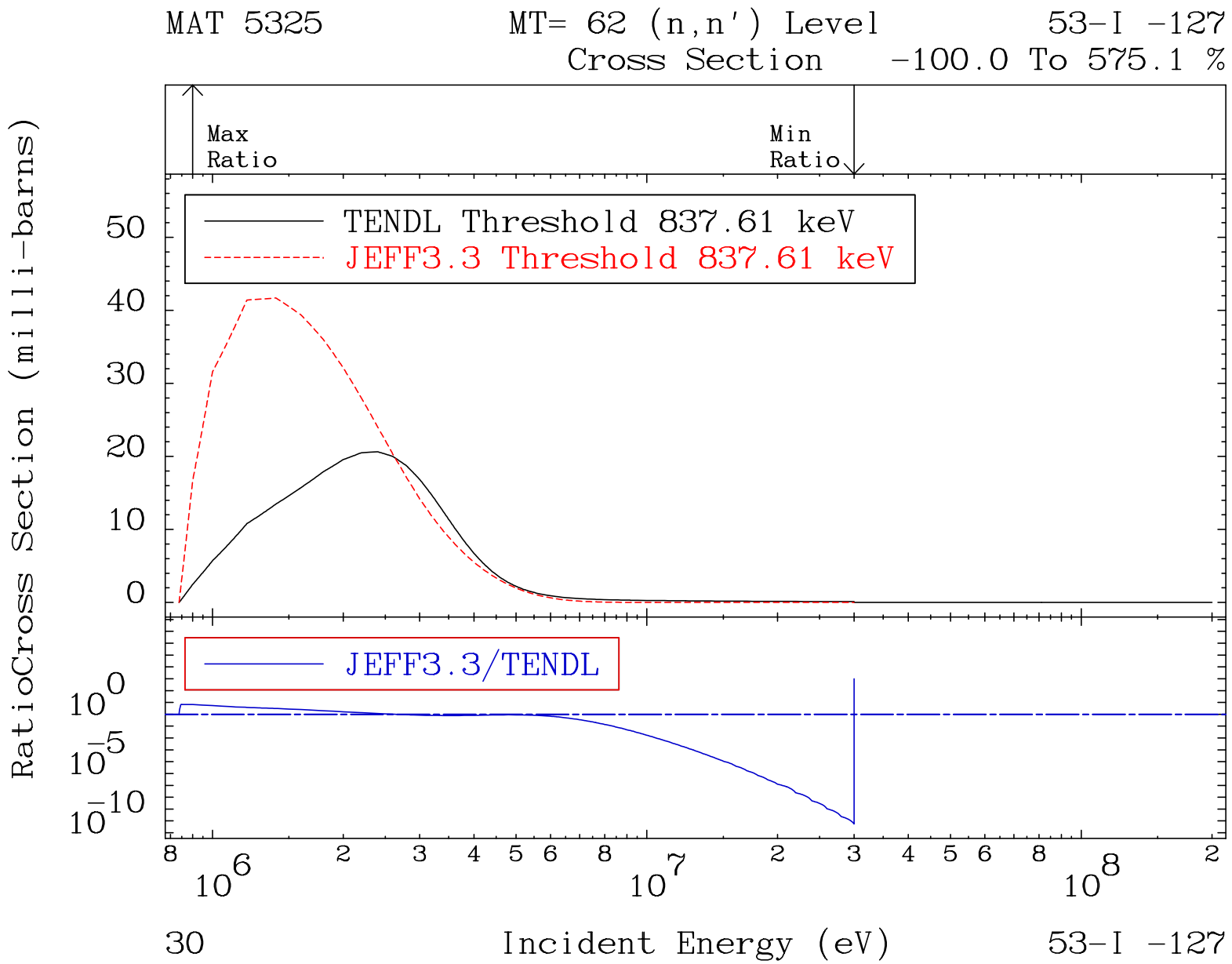

MAT 5325
MT= 57 (n,n') Level
53-I -127
Cross Section
-46.72 To 67.02 %
Max Ratio
Min Ratio
TENDL Threshold 623.22 keV
JEFF3.3 Threshold 623.22 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.5
1.0
0.5
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
53-I -127

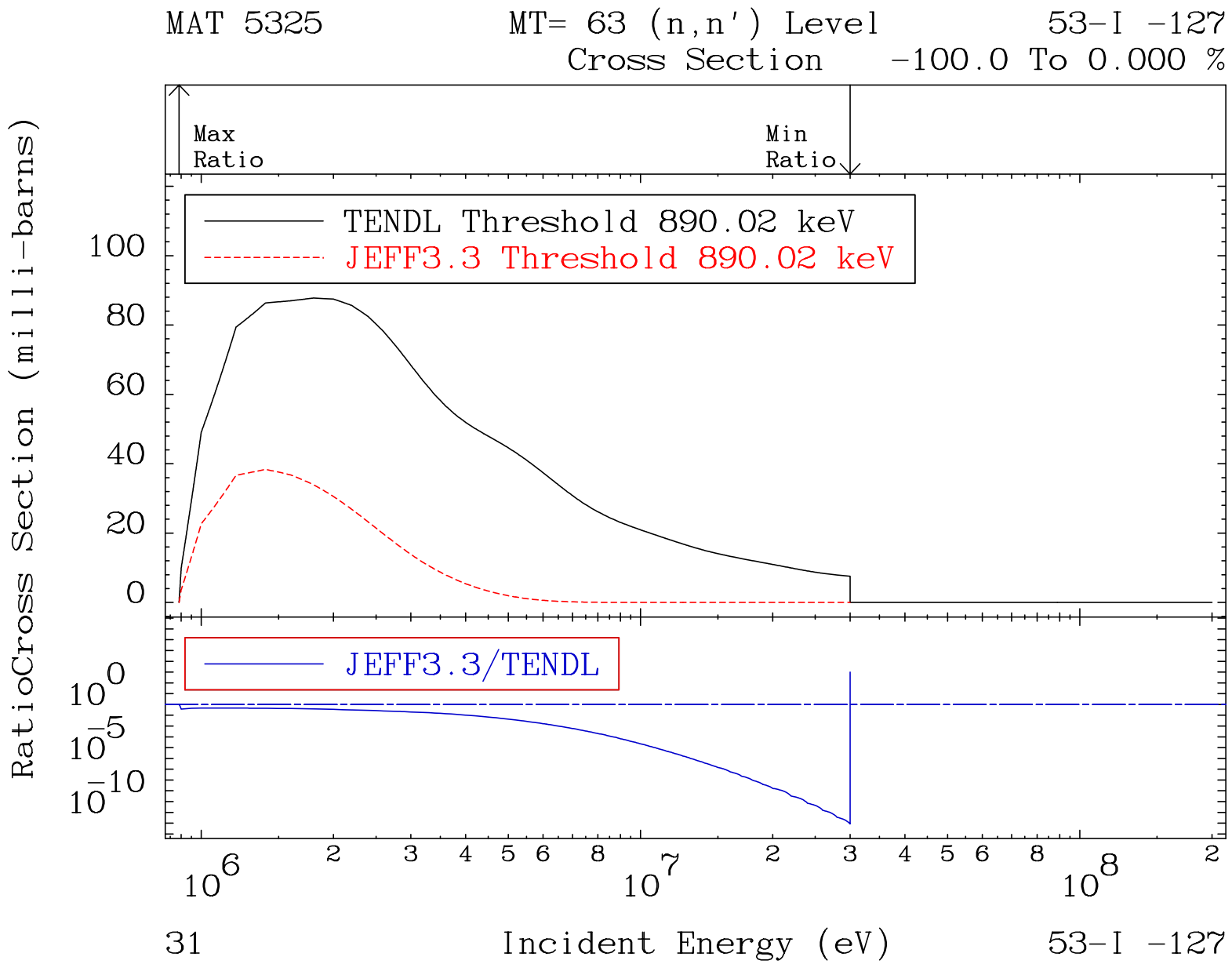

MAT 5325
MT= 58 (n,n') Level
53-I -127
Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 633.69 keV
JEFF3.3 Threshold 633.69 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^0
10^-5
10^-10
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
53-I -127

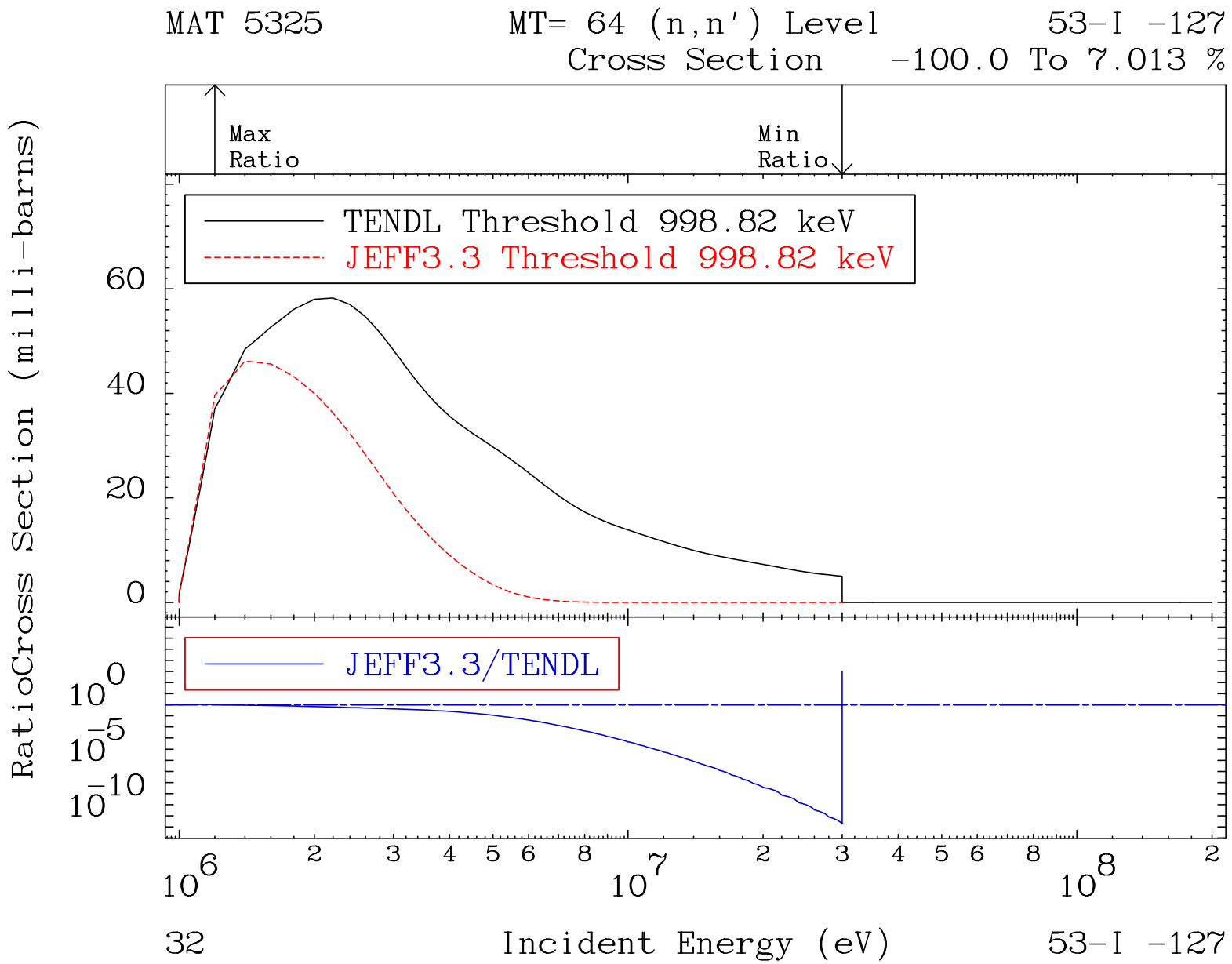

MAT 5325
MT= 59 (n,n') Level
53-I -127
Cross Section -100.0 To 1472. %
Min Ratio
Max Ratio
TENDL Threshold 656.09 keV
JEFF3.3 Threshold 656.09 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
27
Incident Energy (eV)
53-I -127

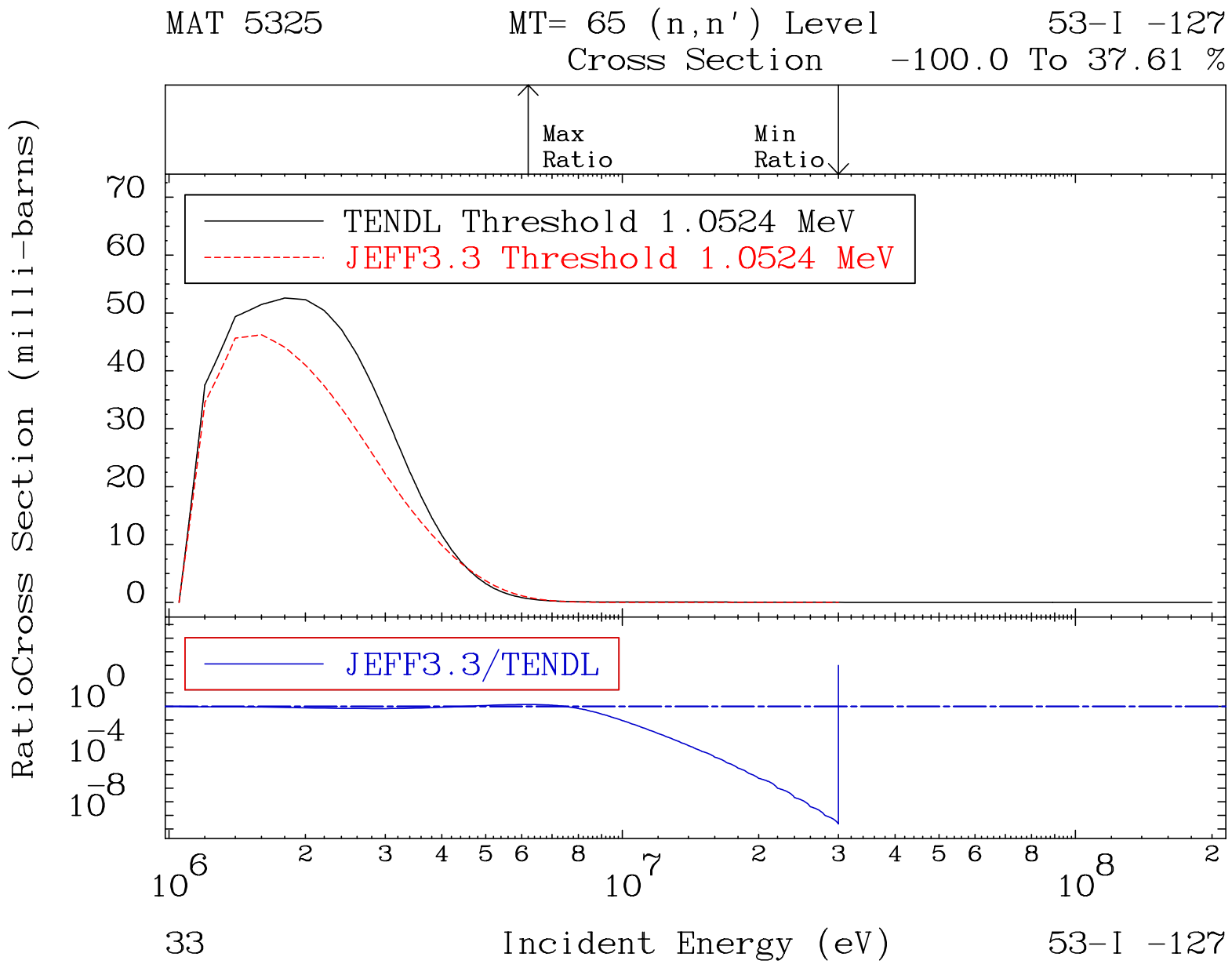

MAT 5325
MT= 60 (n,n') Level
53-I -127
Cross Section
-96.85 To 53.49 %
Max Ratio
Min Ratio
TENDL Threshold 722.20 keV
JEFF3.3 Threshold 722.20 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
53-I -127

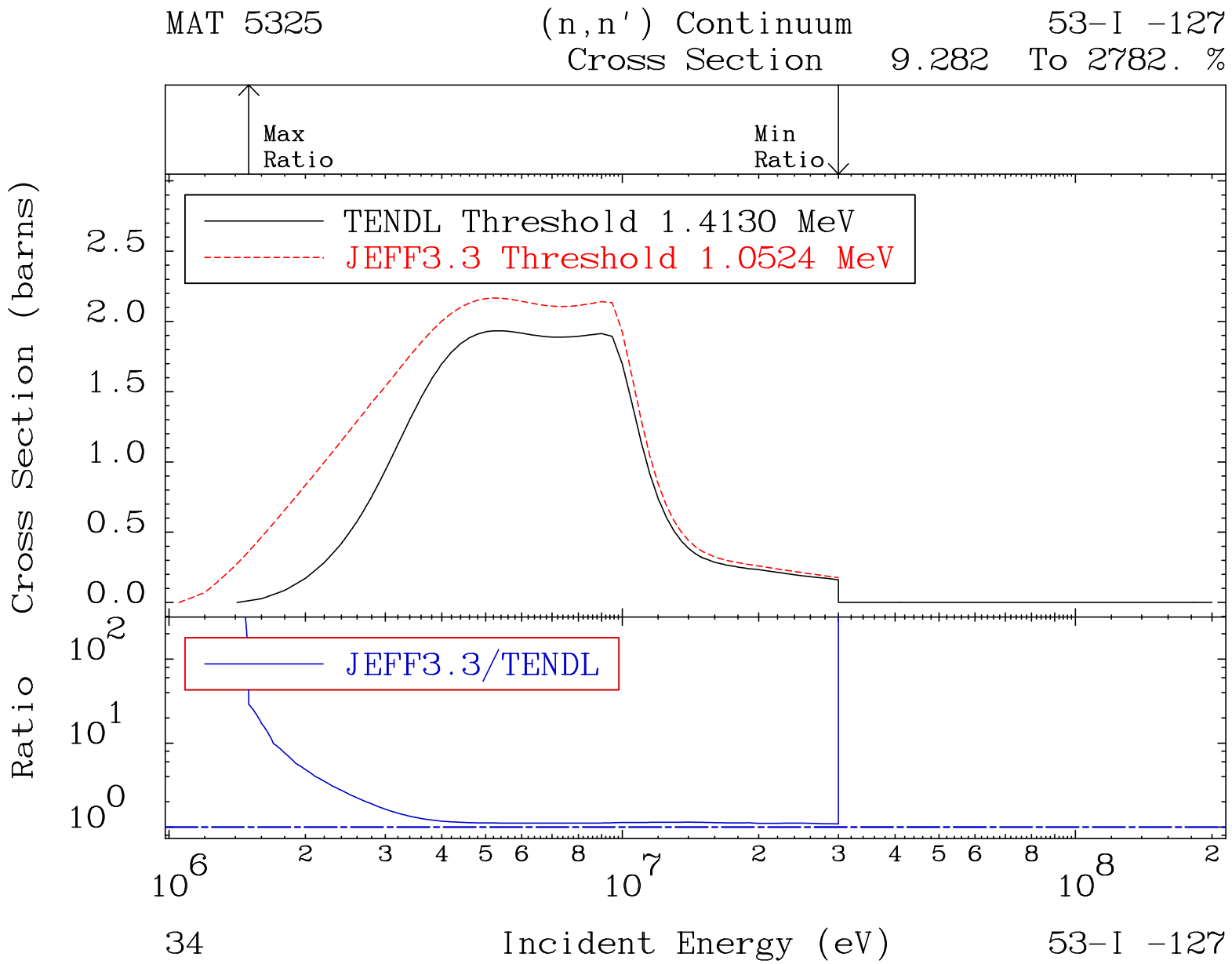

MAT 5325
MT= 61 (n,n') Level
53-I -127
Cross Section
-100.0 To 14.17 %
Max Ratio
Min Ratio
TENDL Threshold 750.63 keV
JEFF3.3 Threshold 750.63 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^{0}
10^{-5}
10^{-10}
8
10^{6}
2
3
4
5
6
8
10^{7}
2
3
4
5
6
8
10^{8}
2
29
Incident Energy (eV)
53-I -127

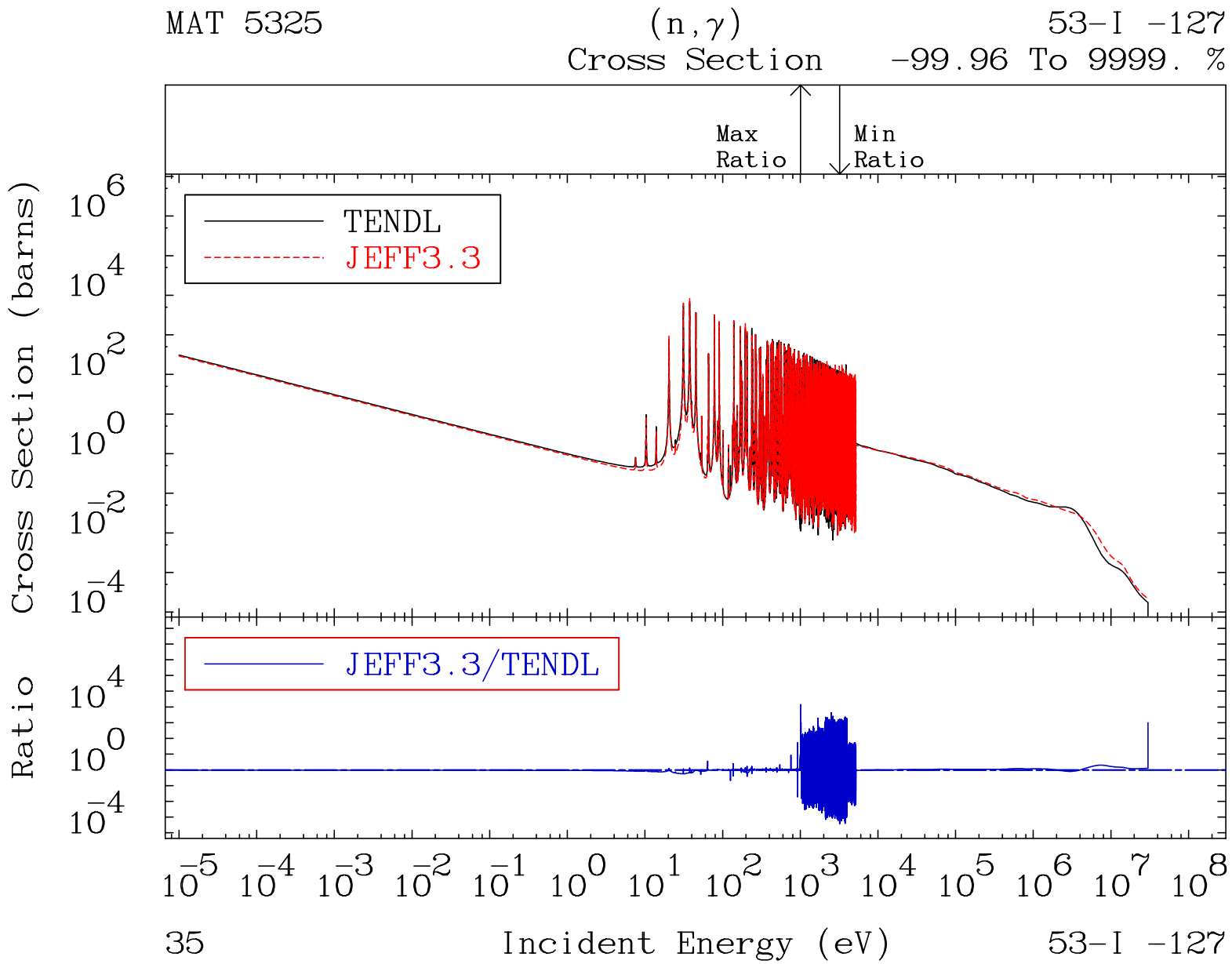

MAT 5325
MT= 62 (n,n') Level
53-I -127
Cross Section
-100.0 To 575.1 %
Max Ratio
Min Ratio
TENDL Threshold 837.61 keV
JEFF3.3 Threshold 837.61 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
53-I -127

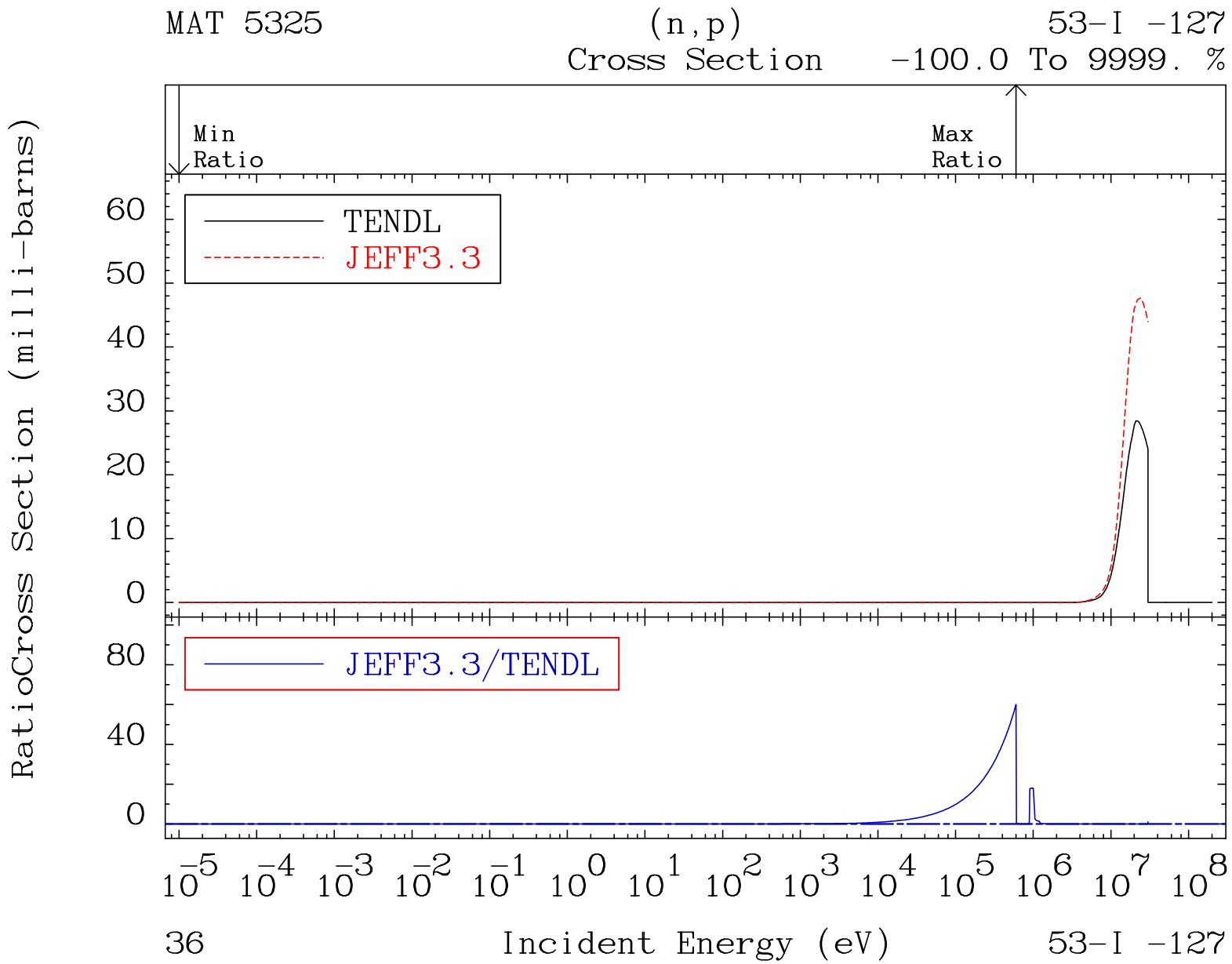

MAT 5325
MT= 63 (n,n') Level
53-I -127
Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 890.02 keV
JEFF3.3 Threshold 890.02 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^{0}
10^{-5}
10^{-10}
10^{6}
10^{7}
10^{8}
2 3 4 5 6 8
31
Incident Energy (eV)
53-I -127

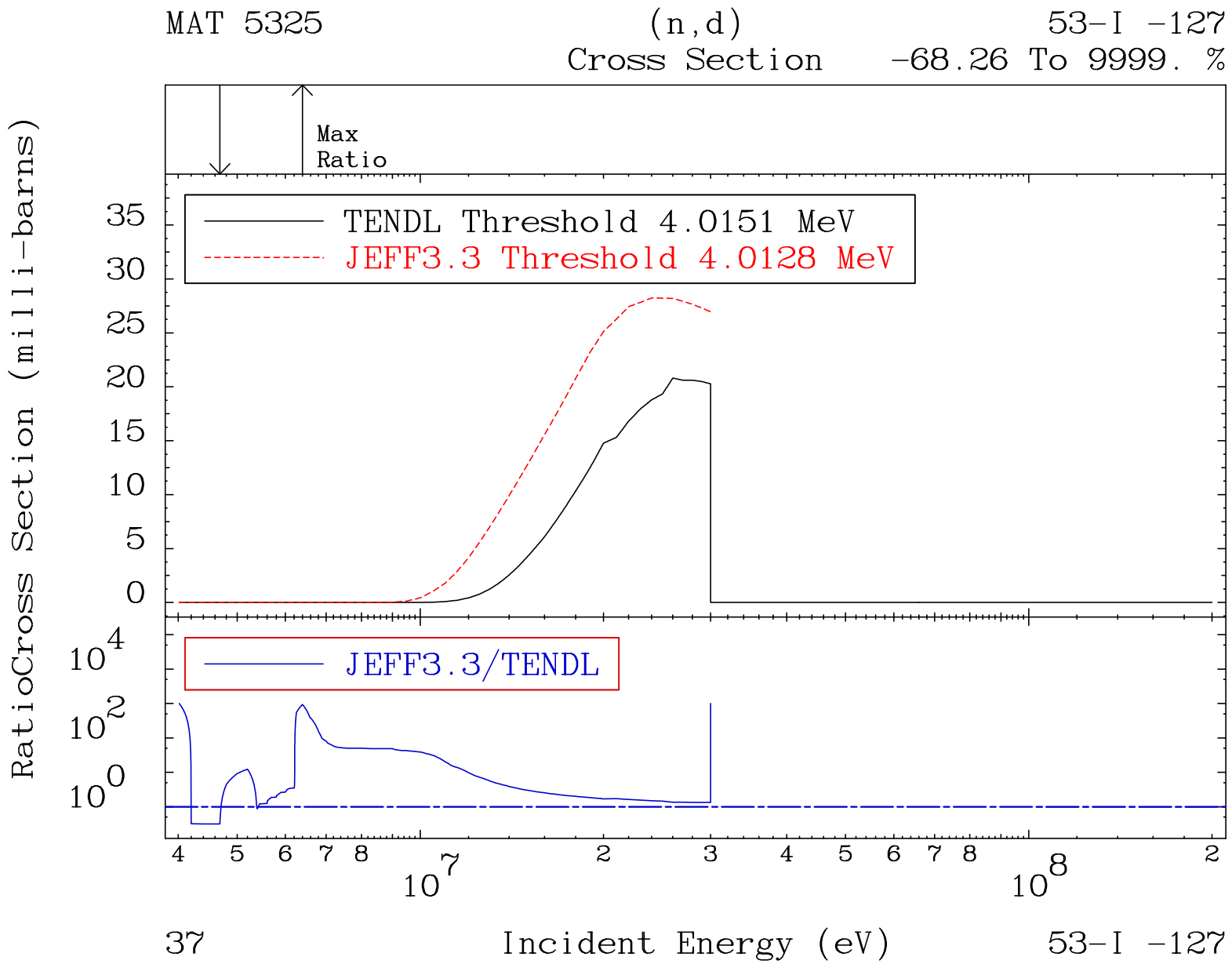

MAT 5325
MT= 64 (n,n') Level
53-I -127
Cross Section
-100.0 To 7.013 %
Max Ratio
Min Ratio
TENDL Threshold 998.82 keV
JEFF3.3 Threshold 998.82 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^0
10^-5
10^-10
10^6
10^7
10^8
2
3
4
5
6
8
32
Incident Energy (eV)
53-I -127

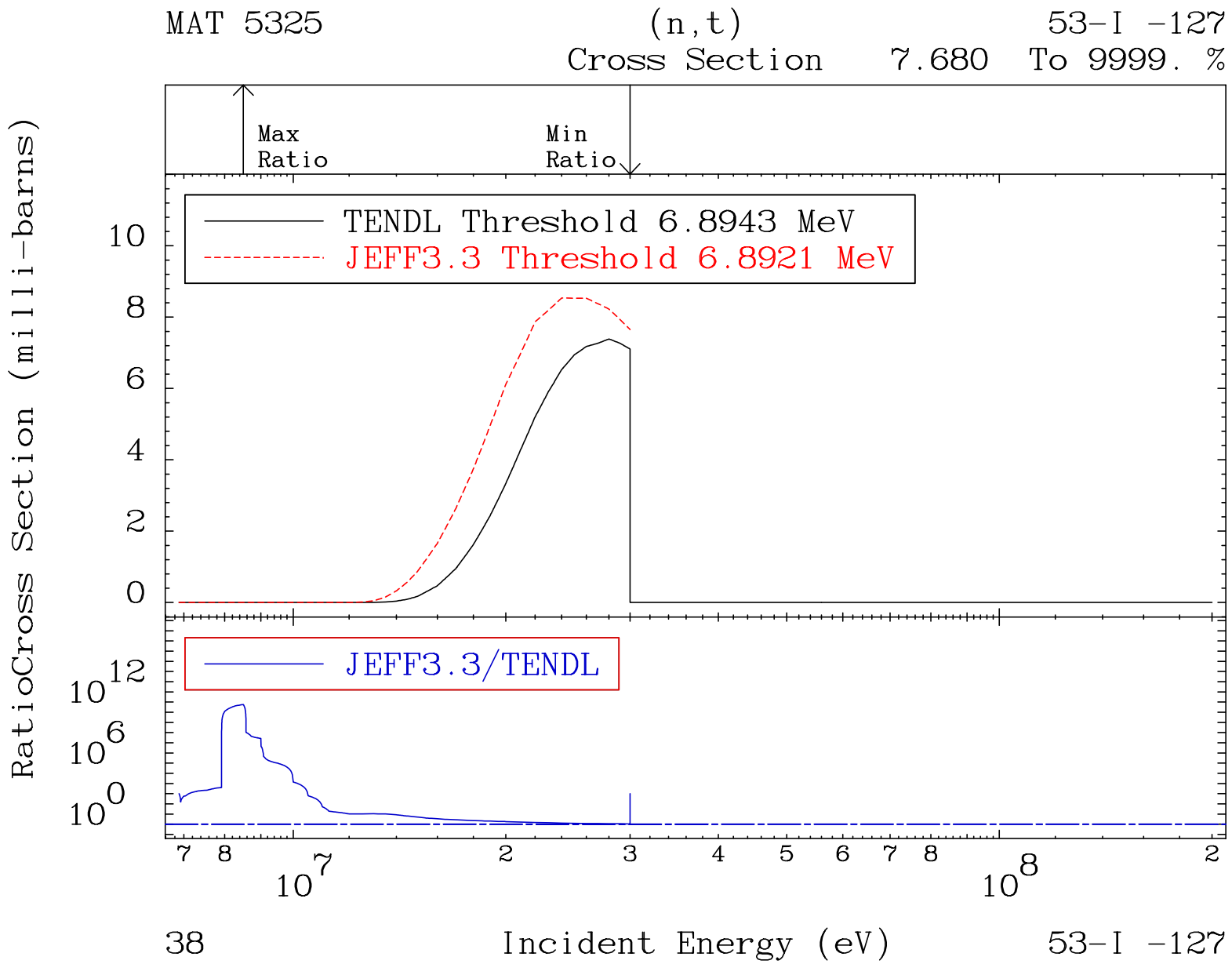

MAT 5325
MT= 65 (n,n') Level
53-I -127
Cross Section
-100.0 To 37.61 %
Max Ratio
Min Ratio
TENDL Threshold 1.0524 MeV
JEFF3.3 Threshold 1.0524 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
53-I -127

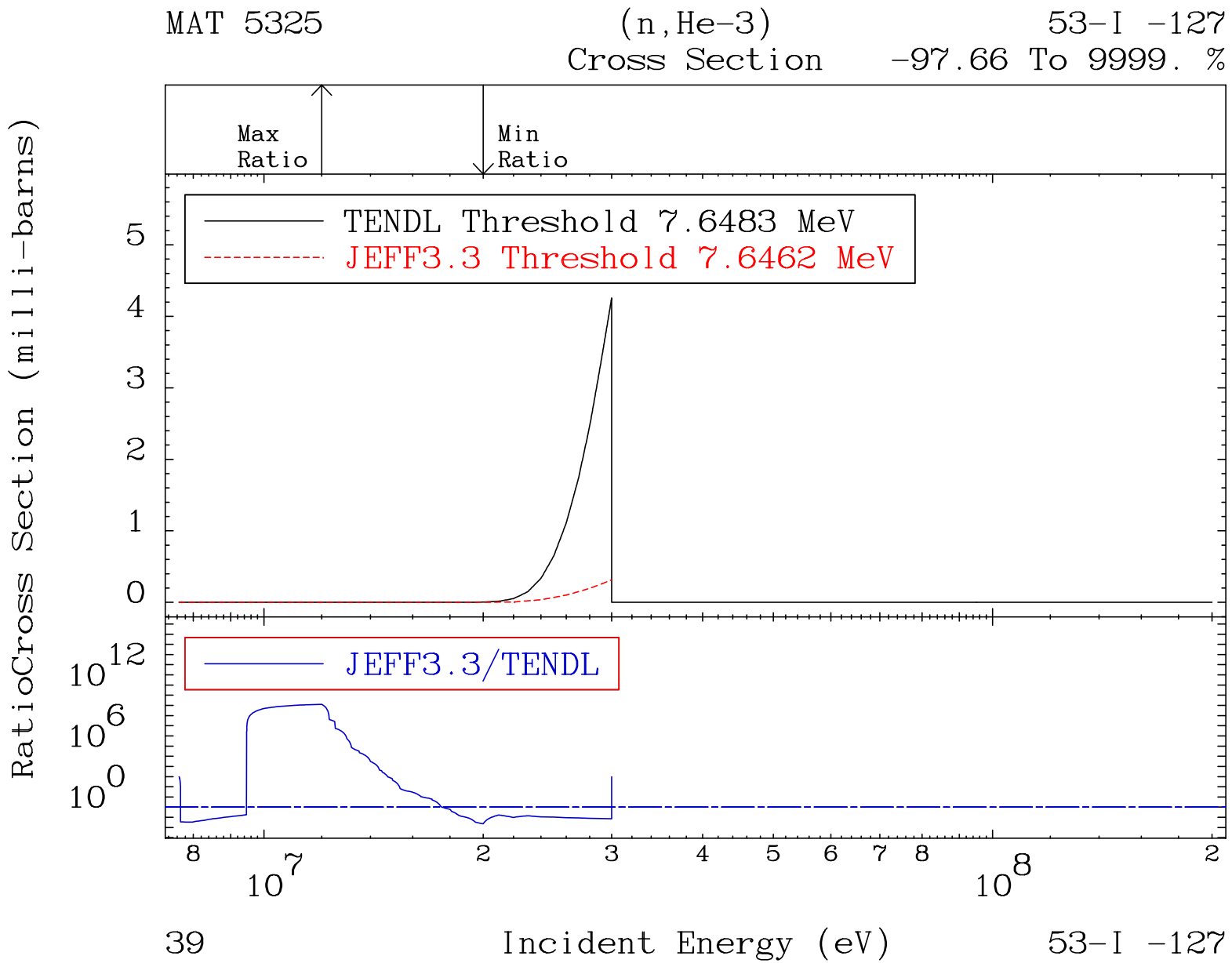

MAT 5325
(n,n') Continuum
Cross Section
53-I -127
9.282 To 2782. %
Max Ratio
Min Ratio
TENDL Threshold 1.4130 MeV
JEFF3.3 Threshold 1.0524 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
53-I -127

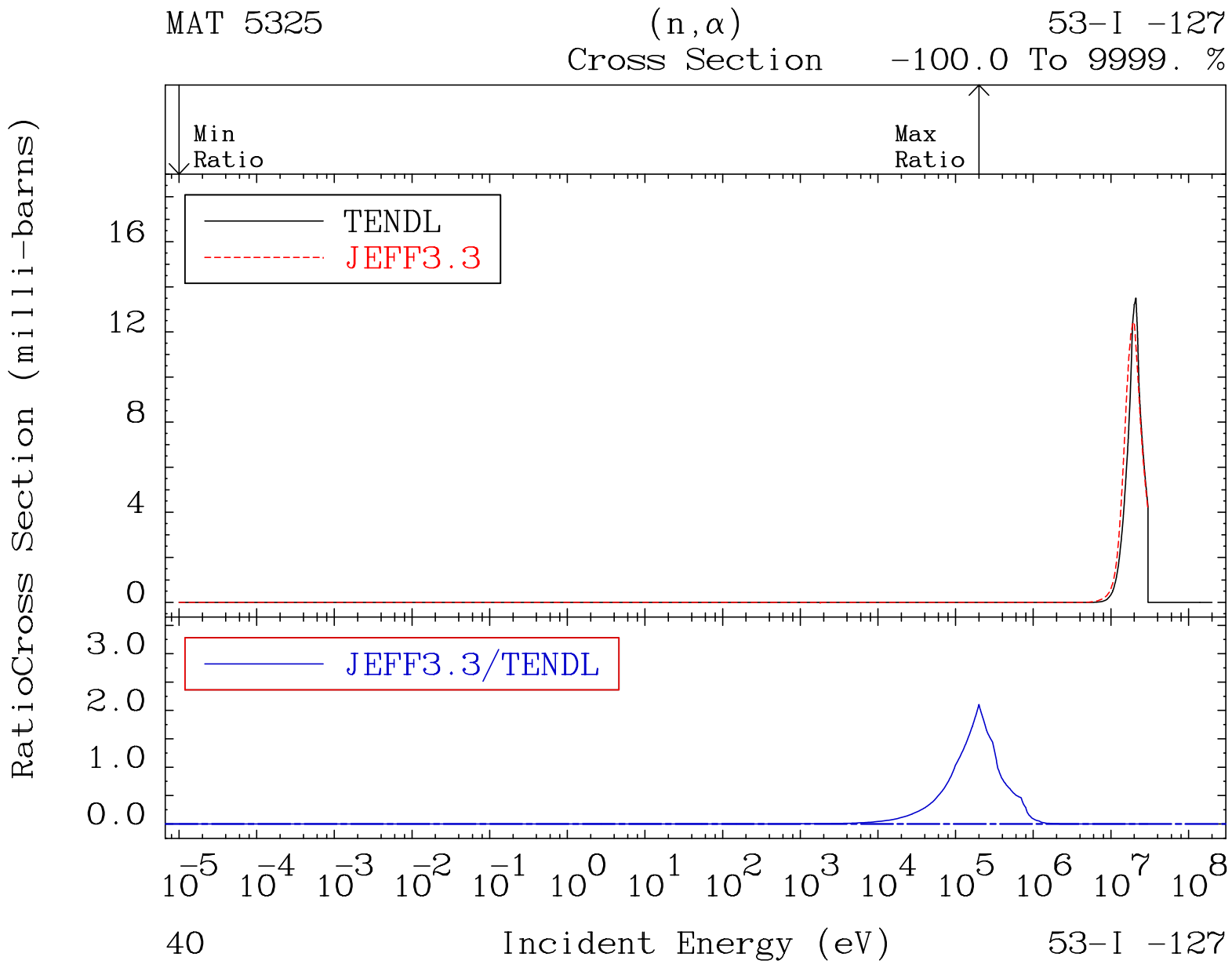

MAT 5325
(n,γ)
Cross Section
53-I -127
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
53-I -127

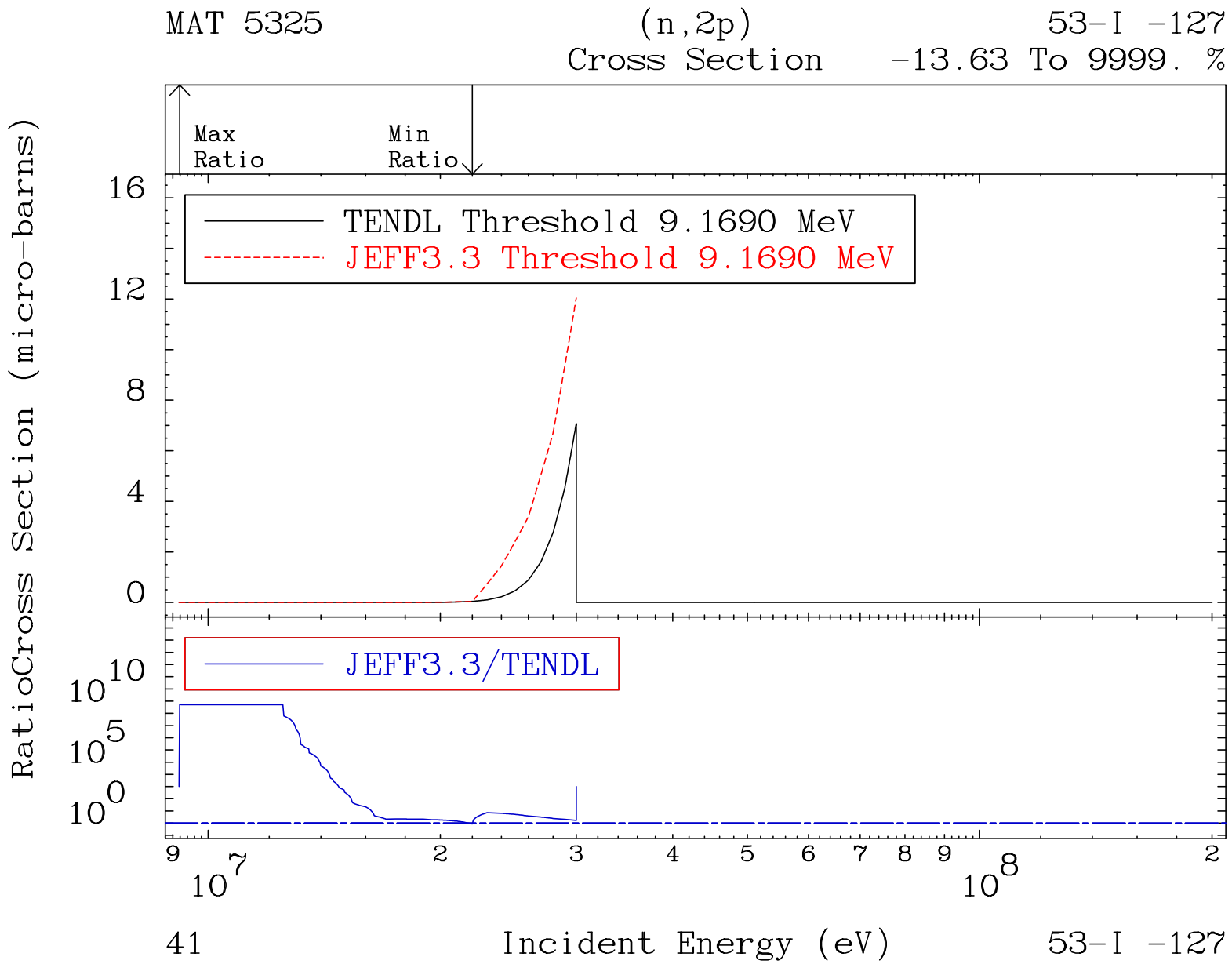

MAT 5325
(n,p)
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
36
Incident Energy (eV)
53-I -127

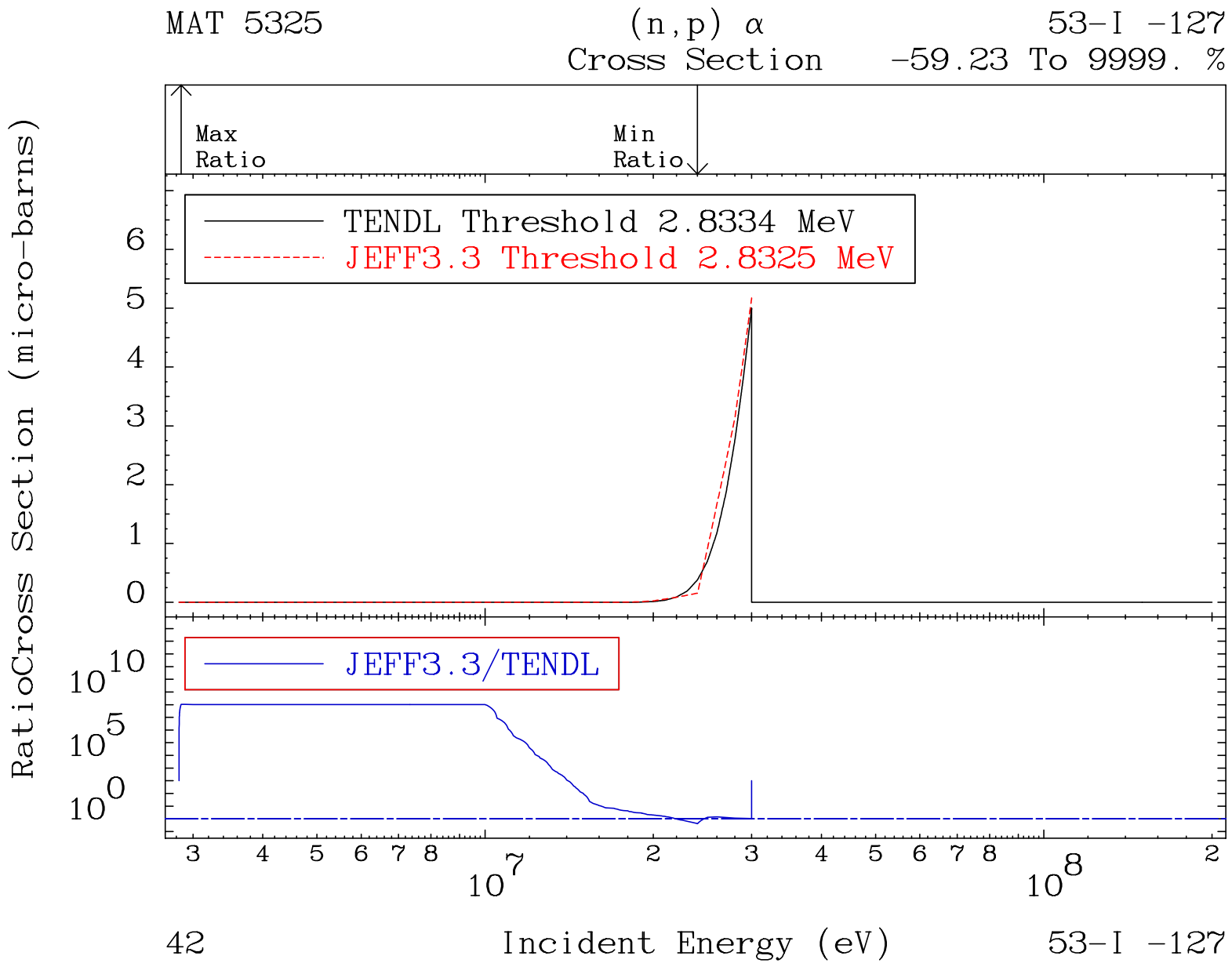

MAT 5325
(n,d)
Cross Section
53-I -127
-68.26 To 9999. %
Max
Ratio
TENDL Threshold 4.0151 MeV
JEFF3.3 Threshold 4.0128 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
53-I -127

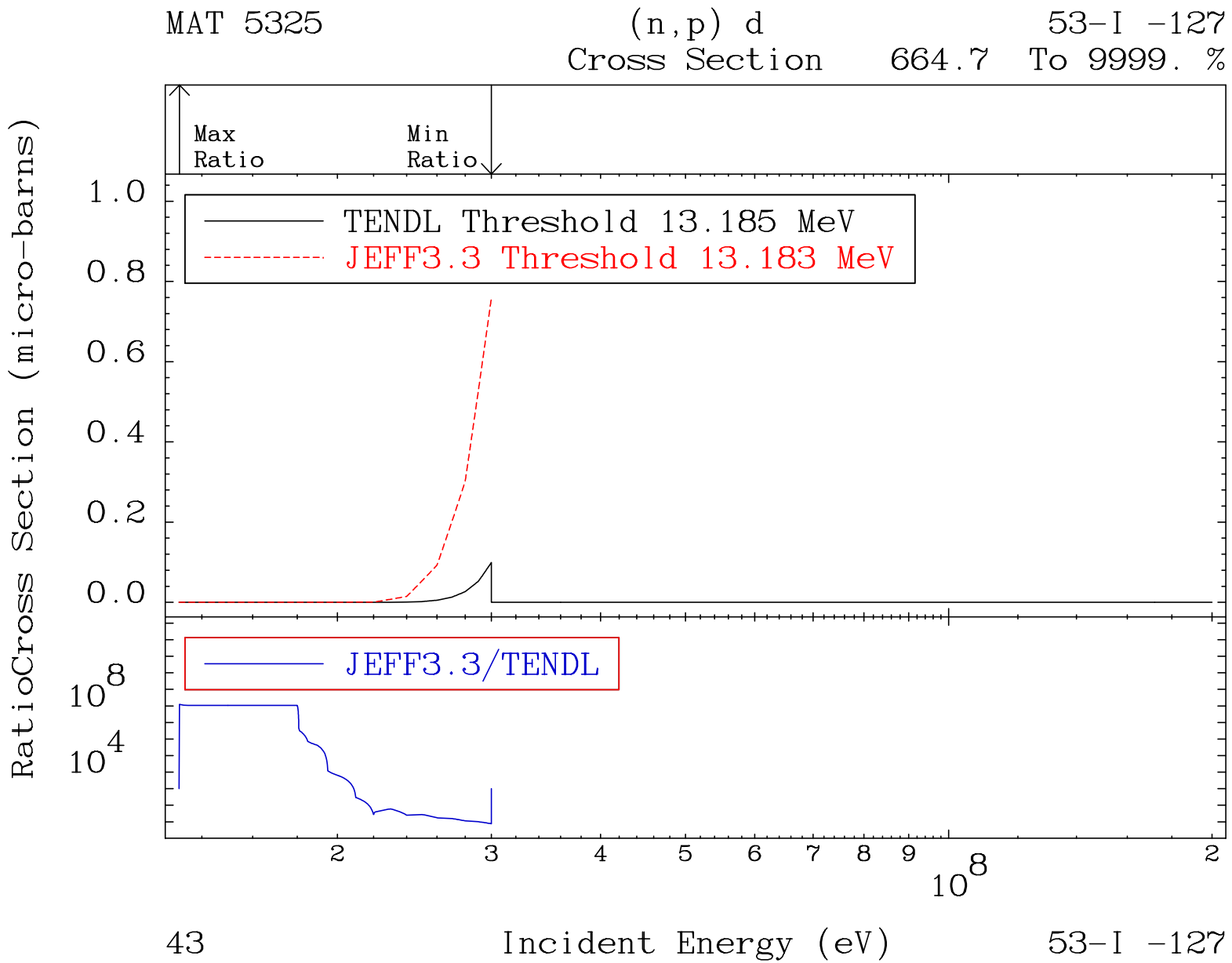

MAT 5325
(n,t)
53-I -127
Cross Section 7.680 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8943 MeV
JEFF3.3 Threshold 6.8921 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
53-I -127

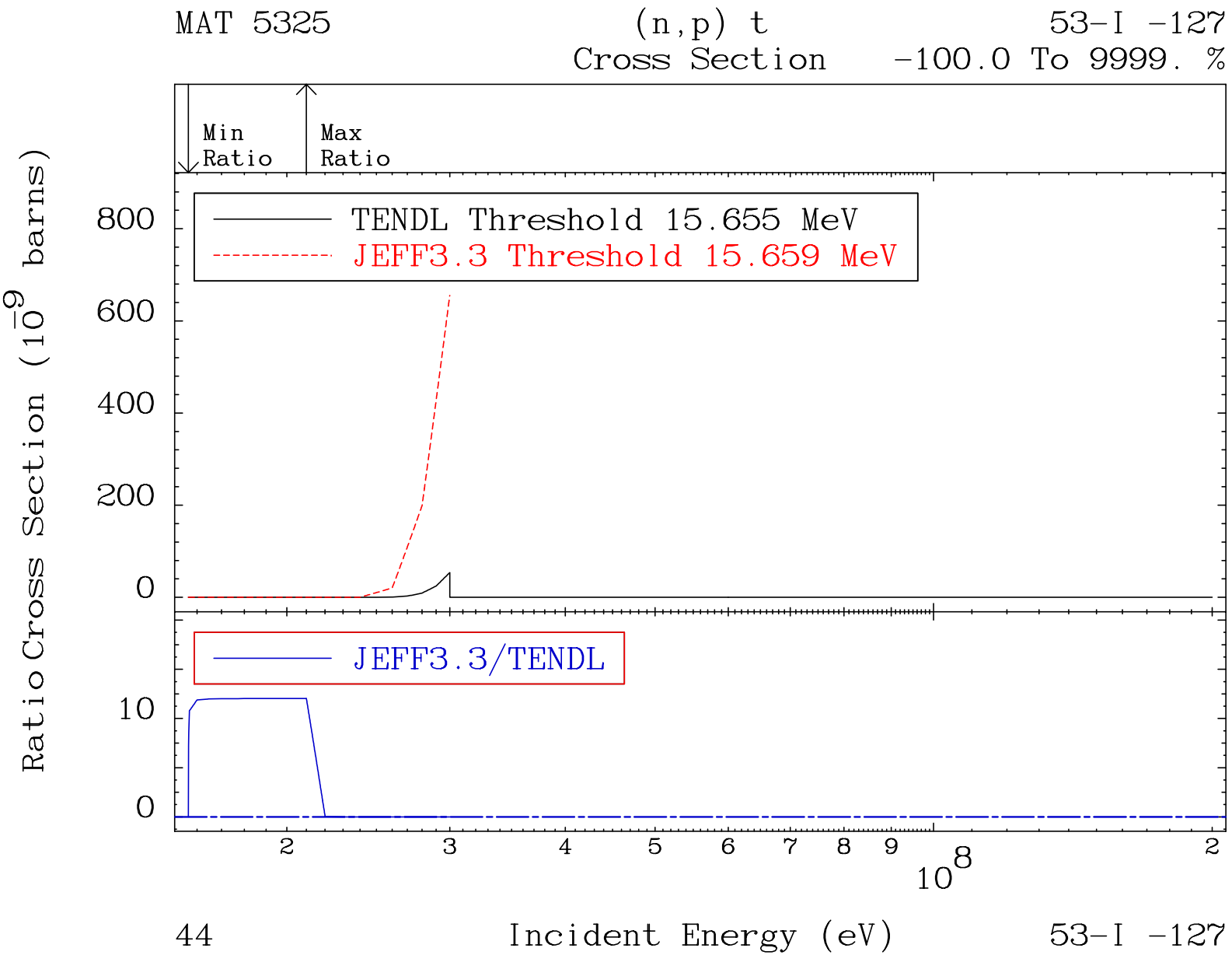

MAT 5325
(n,He-3)
Cross Section
53-I -127
-97.66 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.6483 MeV
JEFF3.3 Threshold 7.6462 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
53-I -127

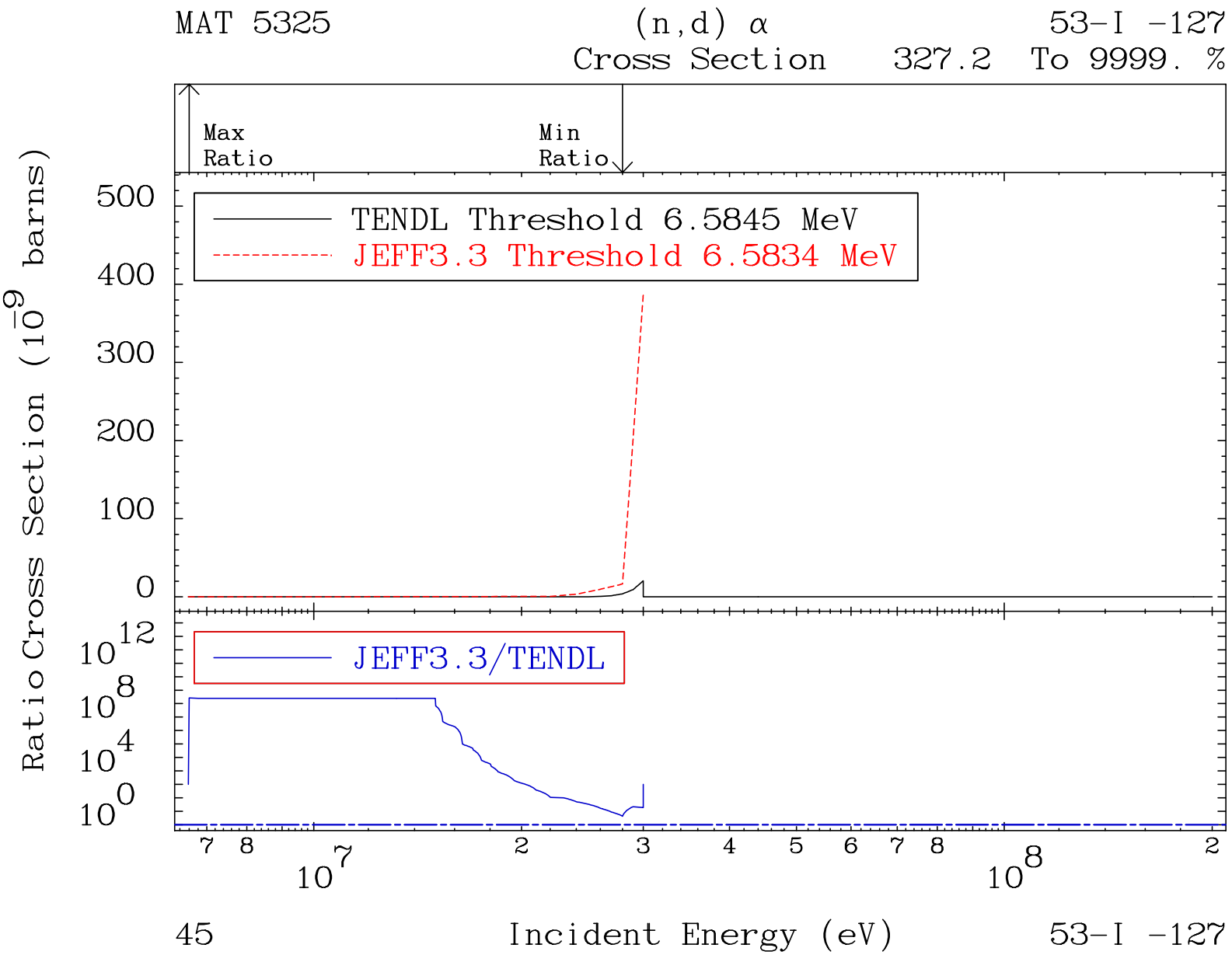

MAT 5325
(n,α)
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
40
Incident Energy (eV)
53-I -127

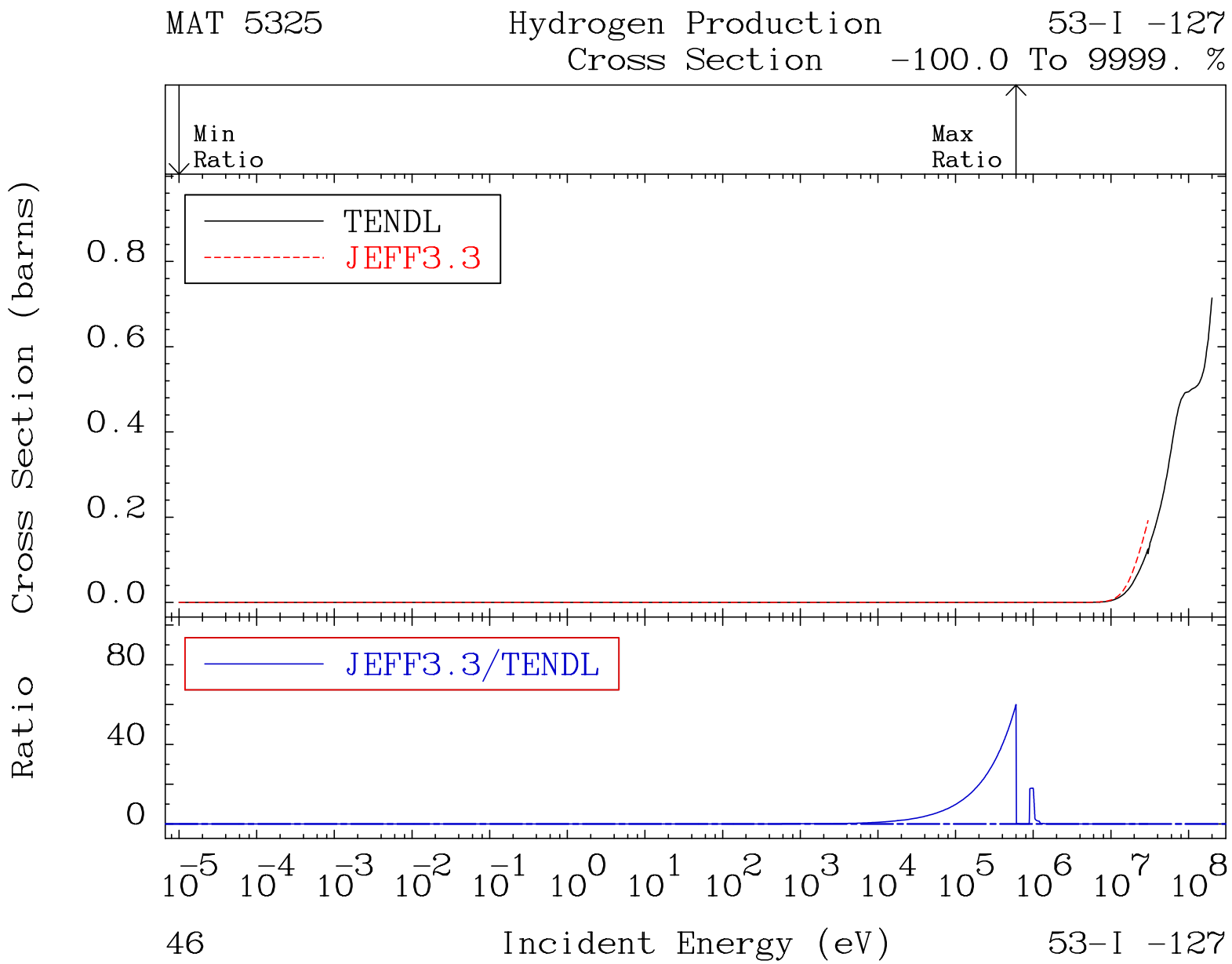

MAT 5325
(n,2p)
53-I -127
Cross Section
-13.63 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.1690 MeV
JEFF3.3 Threshold 9.1690 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^10
10^5
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
53-I -127

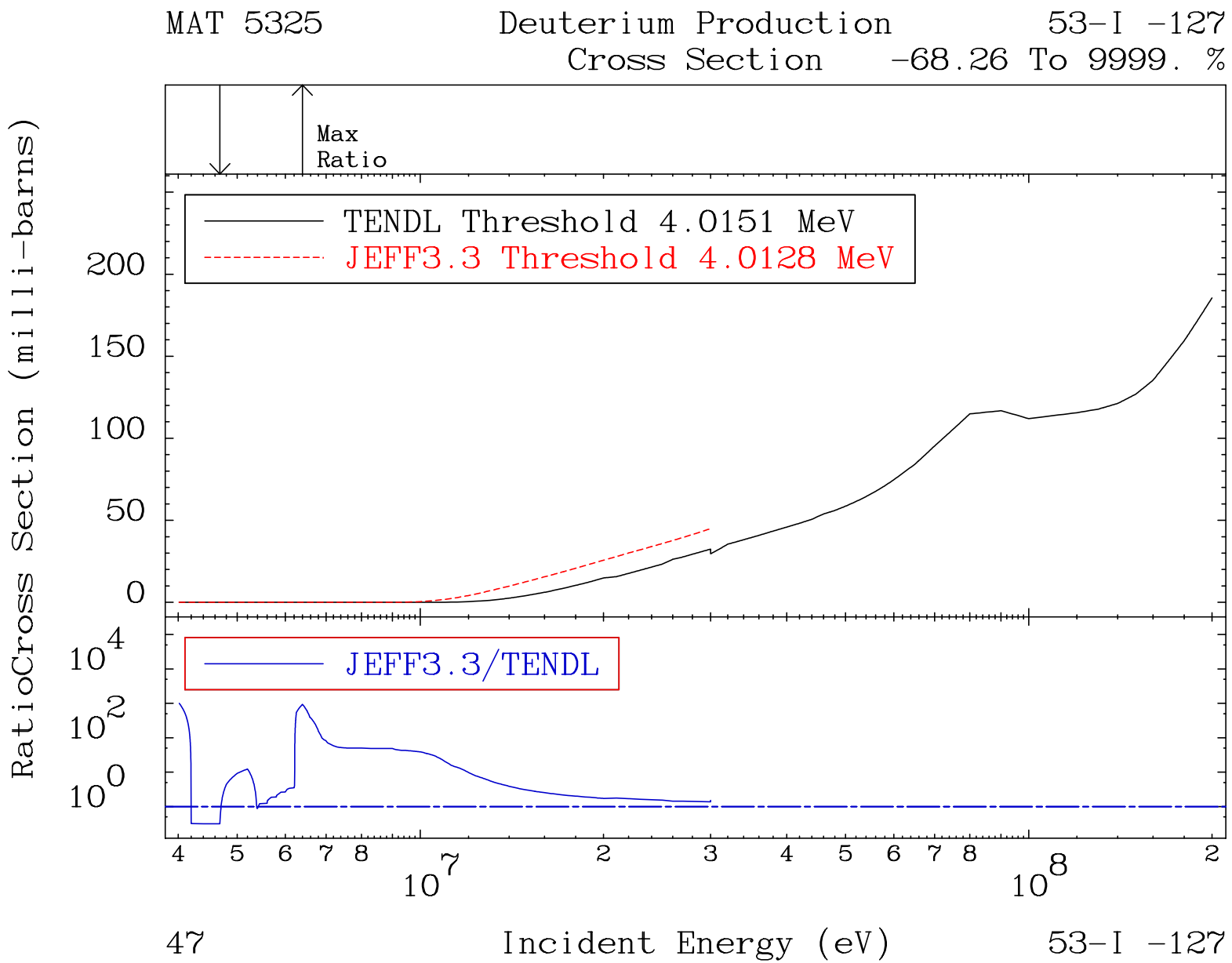

MAT 5325
(n,p) α
Cross Section
53-I -127
-59.23 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8334 MeV
JEFF3.3 Threshold 2.8325 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
42
53-I -127

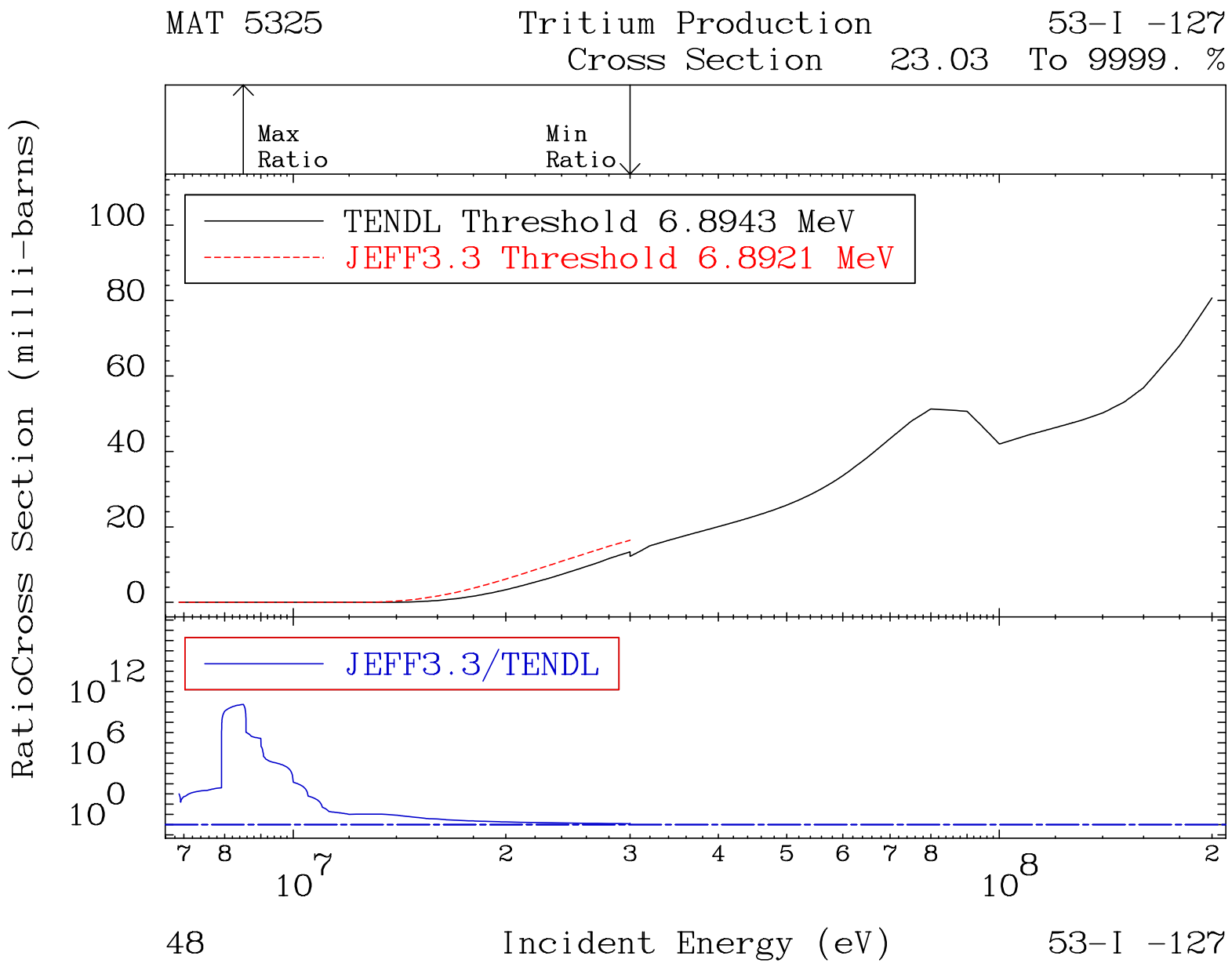

MAT 5325
(n,p) d
Cross Section
53-I -127
664.7 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.185 MeV
JEFF3.3 Threshold 13.183 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
10^8
10^4
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
53-I -127

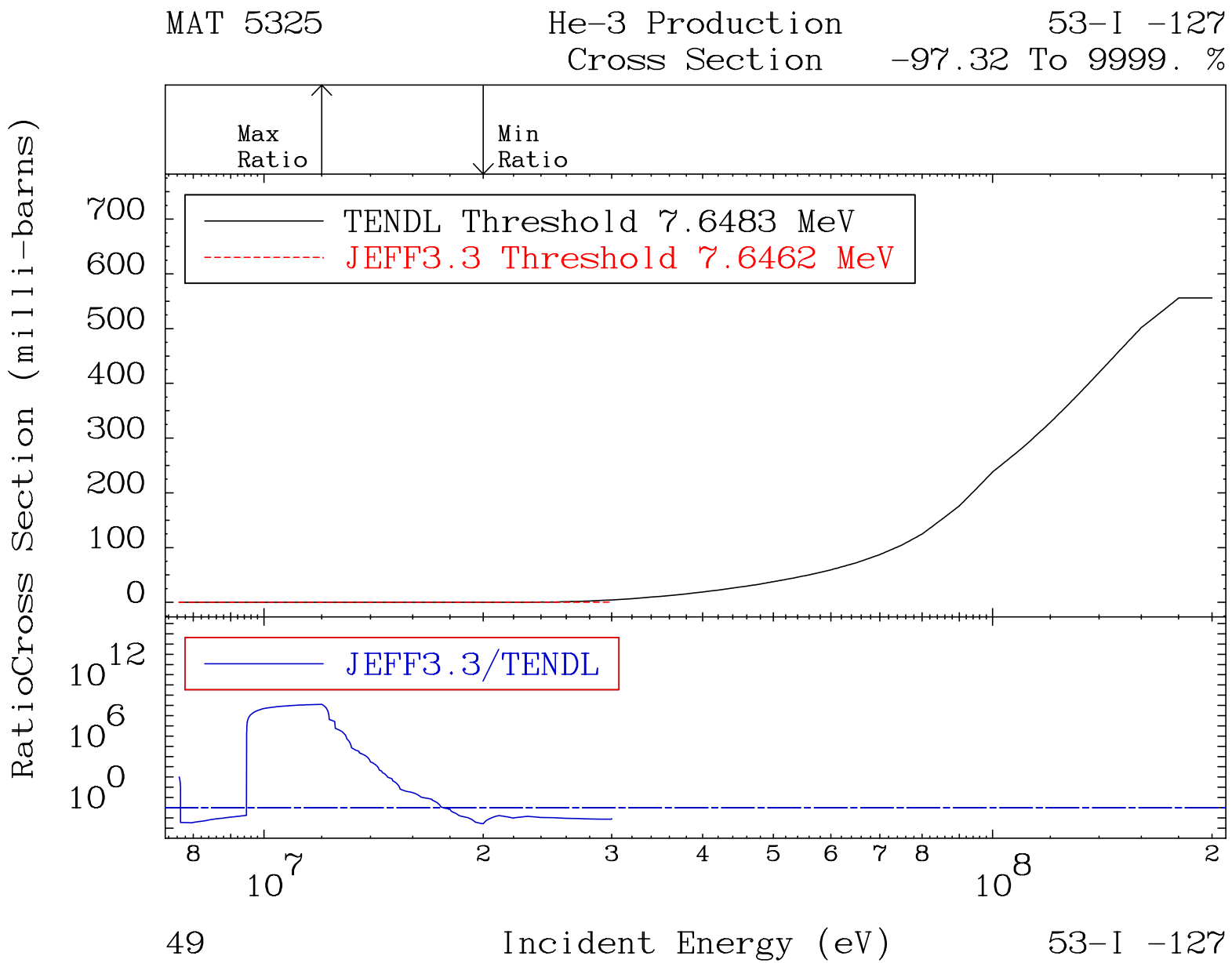

MAT 5325
(n,p) t
53-I -127
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.655 MeV
JEFF3.3 Threshold 15.659 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
800
600
400
200
0
10
0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
53-I -127

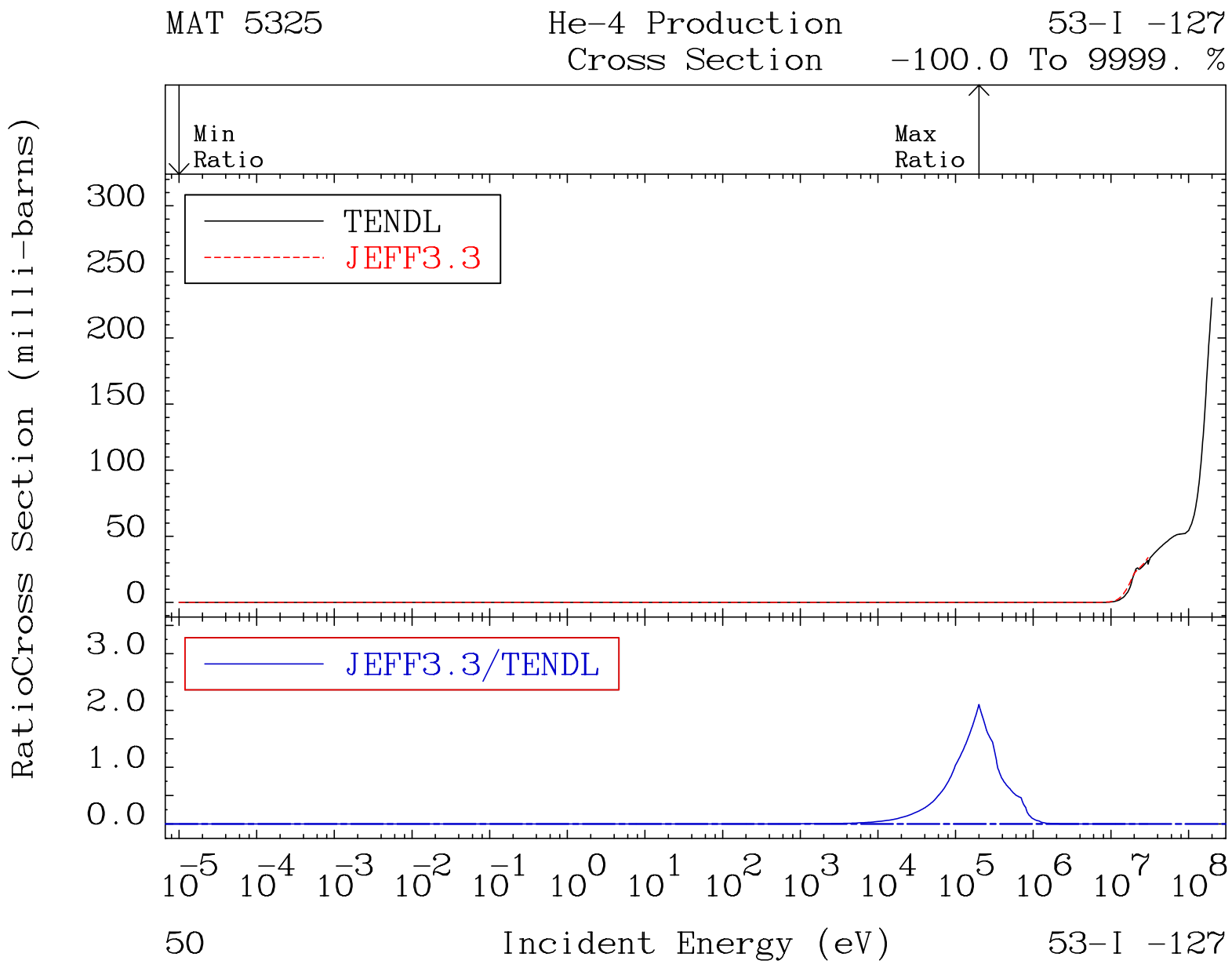

MAT 5325
(n,d) α
53-I -127
Cross Section 327.2 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5845 MeV
JEFF3.3 Threshold 6.5834 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
500
400
300
200
100
0
10^{12}
10^{8}
10^{4}
10^{0}
7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
45
Incident Energy (eV)
53-I -127

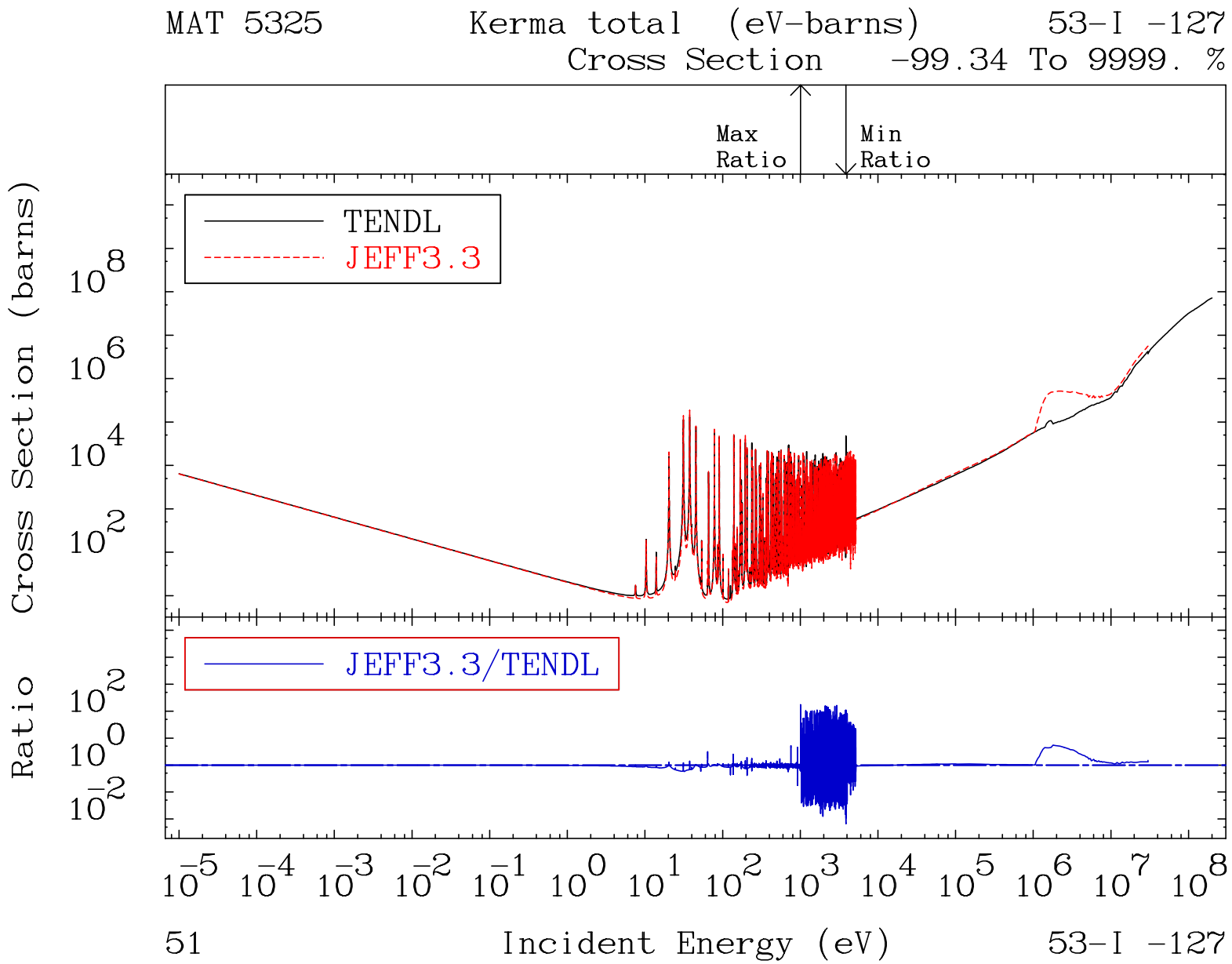

MAT 5325
Hydrogen Production
53-I -127
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
0.0
0.2
0.4
0.6
0.8
0
40
80
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
46
53-I -127

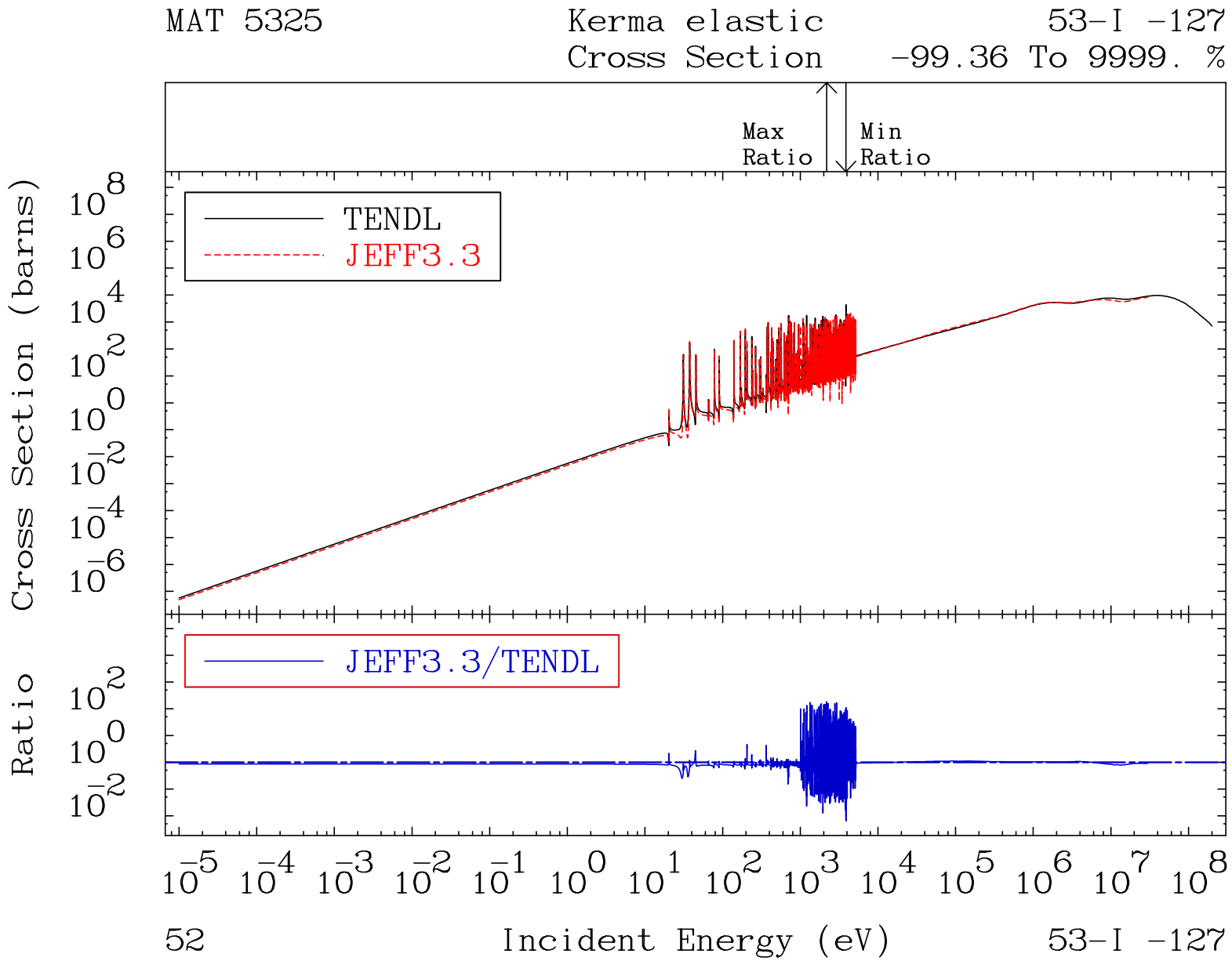

MAT 5325
Deuterium Production
53-I -127
Cross Section
-68.26 To 9999. %
Max
Ratio
TENDL Threshold 4.0151 MeV
JEFF3.3 Threshold 4.0128 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^4
10^2
10^0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
53-I -127

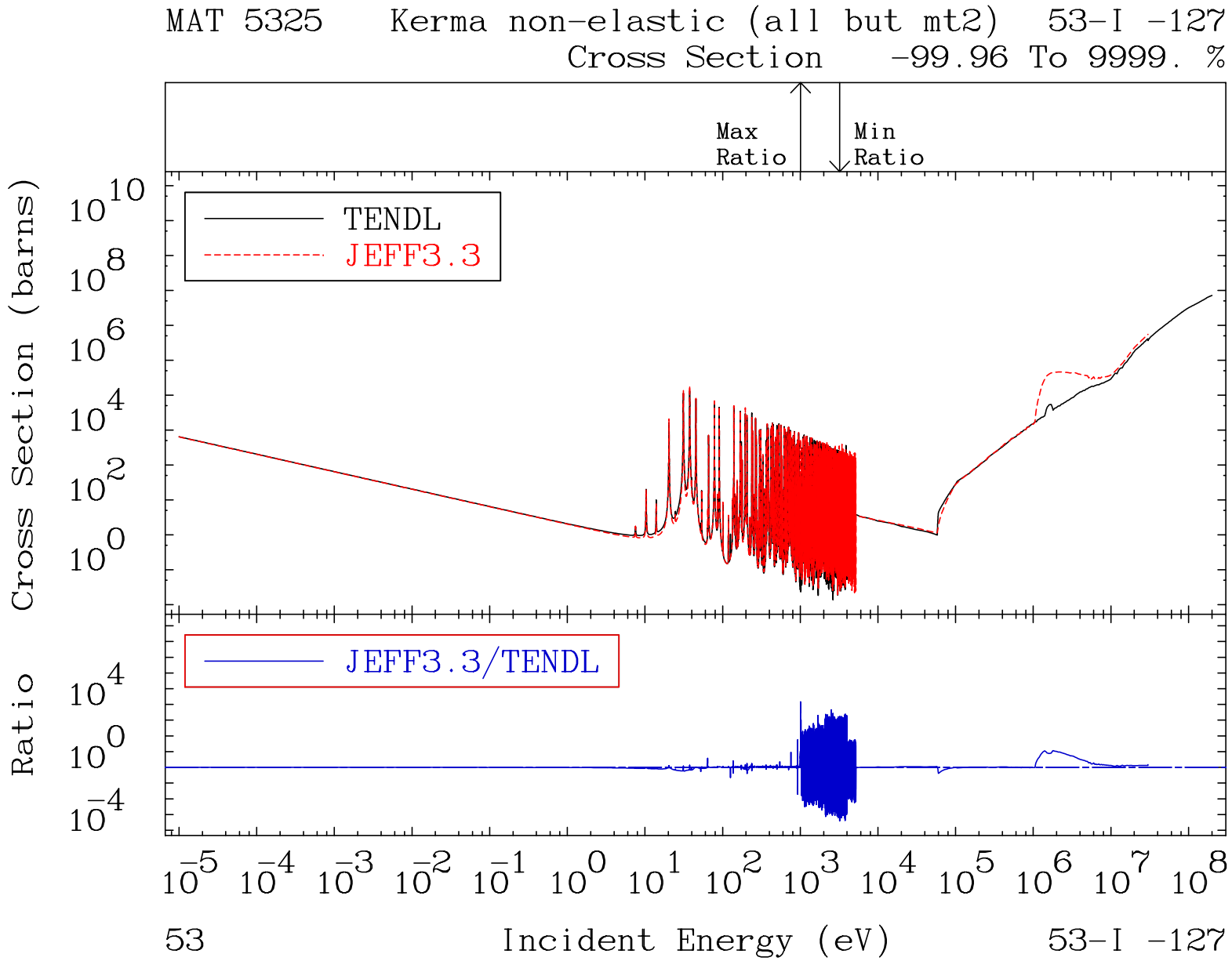

MAT 5325
Tritium Production
53-I -127
Cross Section 23.03 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8943 MeV
JEFF3.3 Threshold 6.8921 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^{12}
10^{6}
10^{0}
7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
48
Incident Energy (eV)
53-I -127

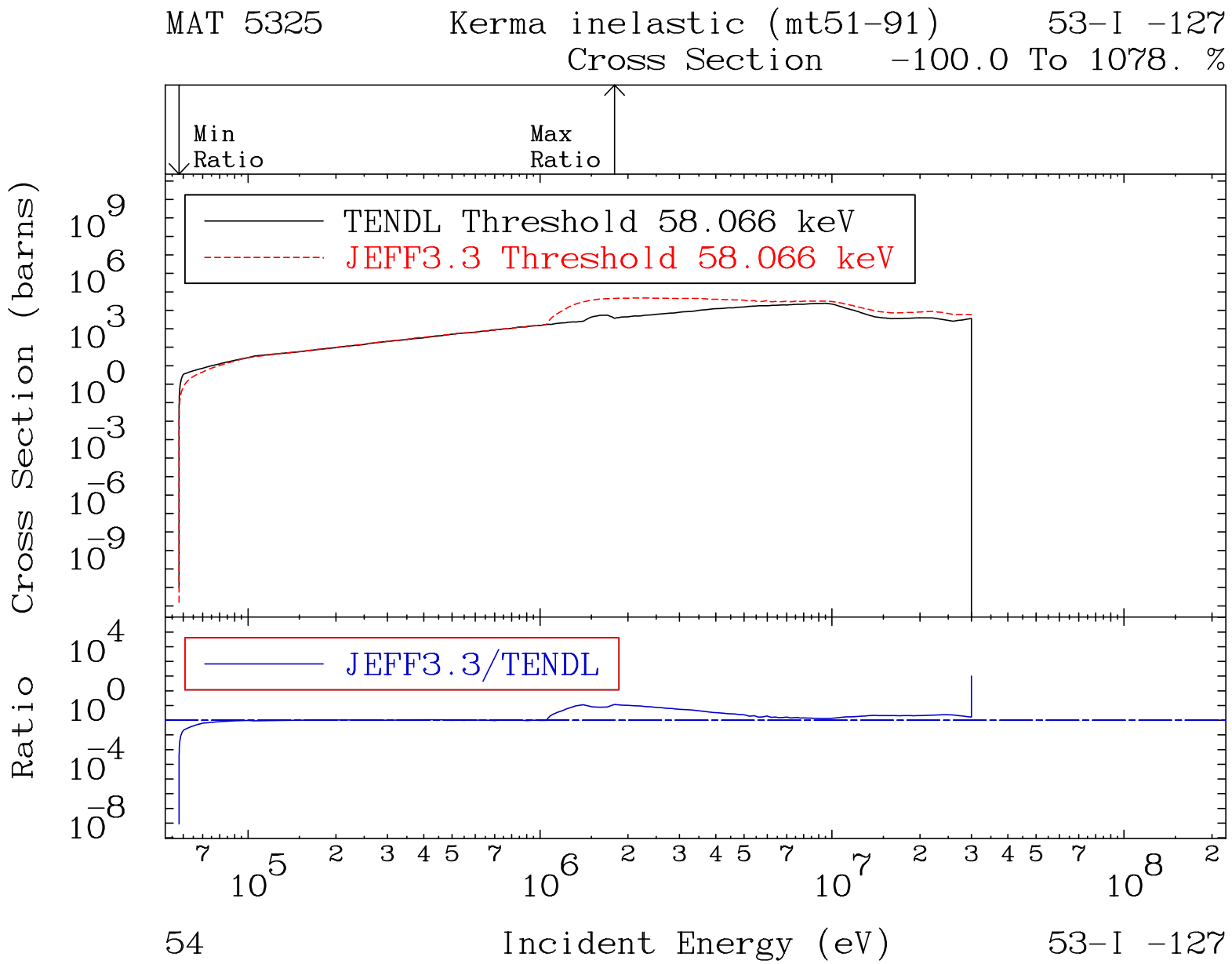

MAT 5325
He-3 Production
Cross Section
53-I -127
-97.32 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.6483 MeV
JEFF3.3 Threshold 7.6462 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
10^12
10^6
10^0
8
10^7
2
3
4
5
6
7
8
10^8
2
49
Incident Energy (eV)
53-I -127

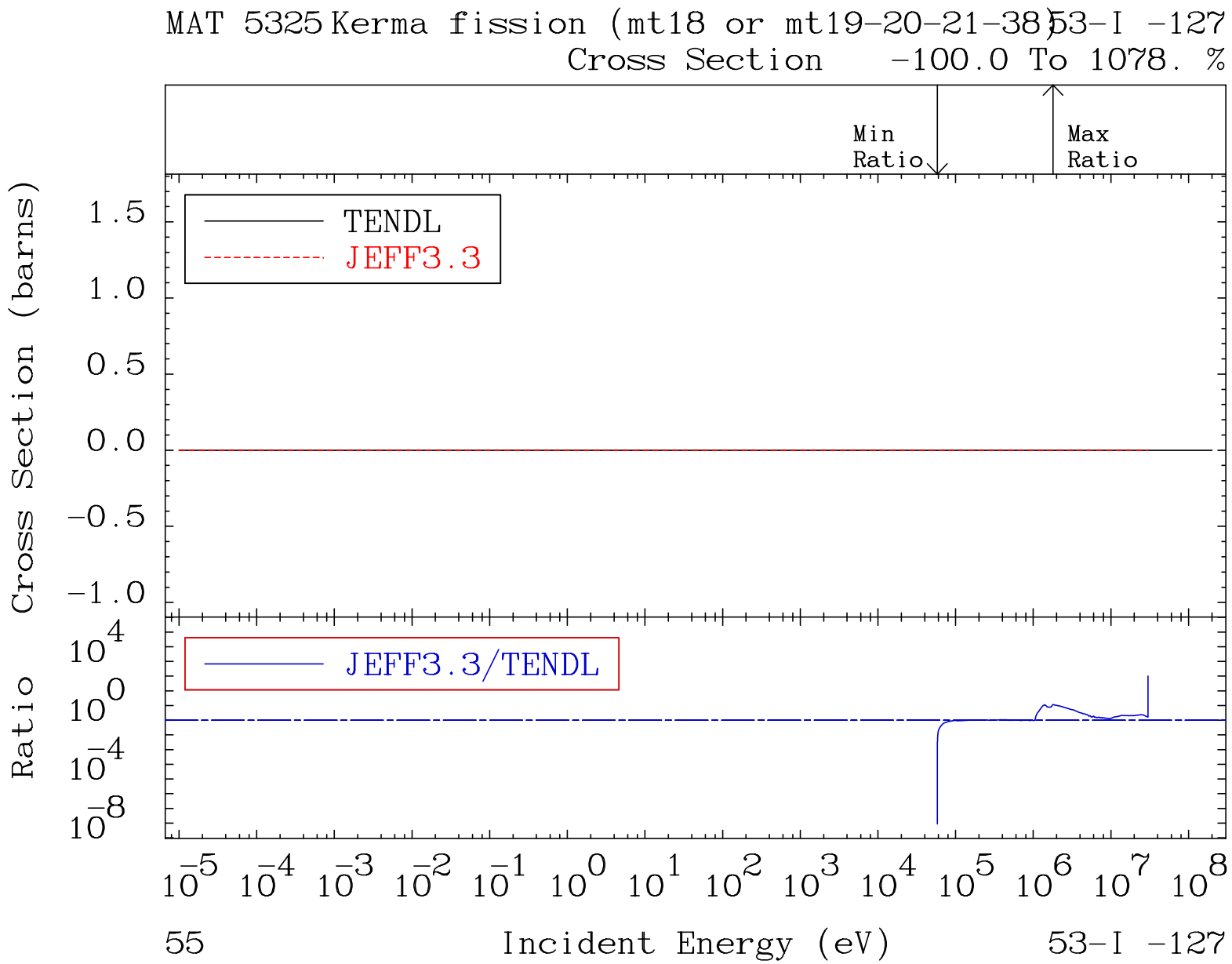

MAT 5325
He-4 Production
Cross Section
53-I -127
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
53-I -127

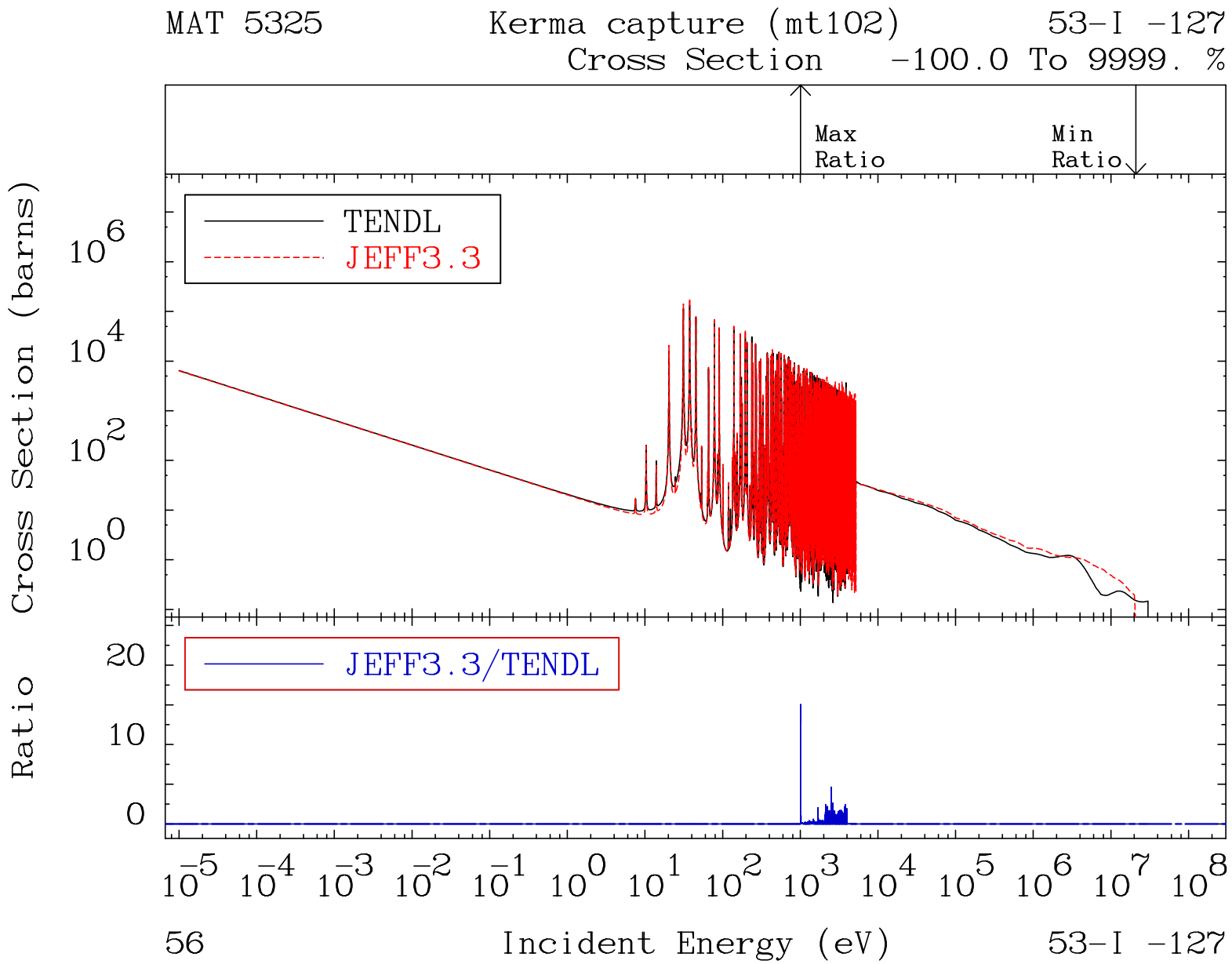

MAT 5325
Kerma total (eV-barns)
53-I -127
Cross Section -99.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
53-I -127

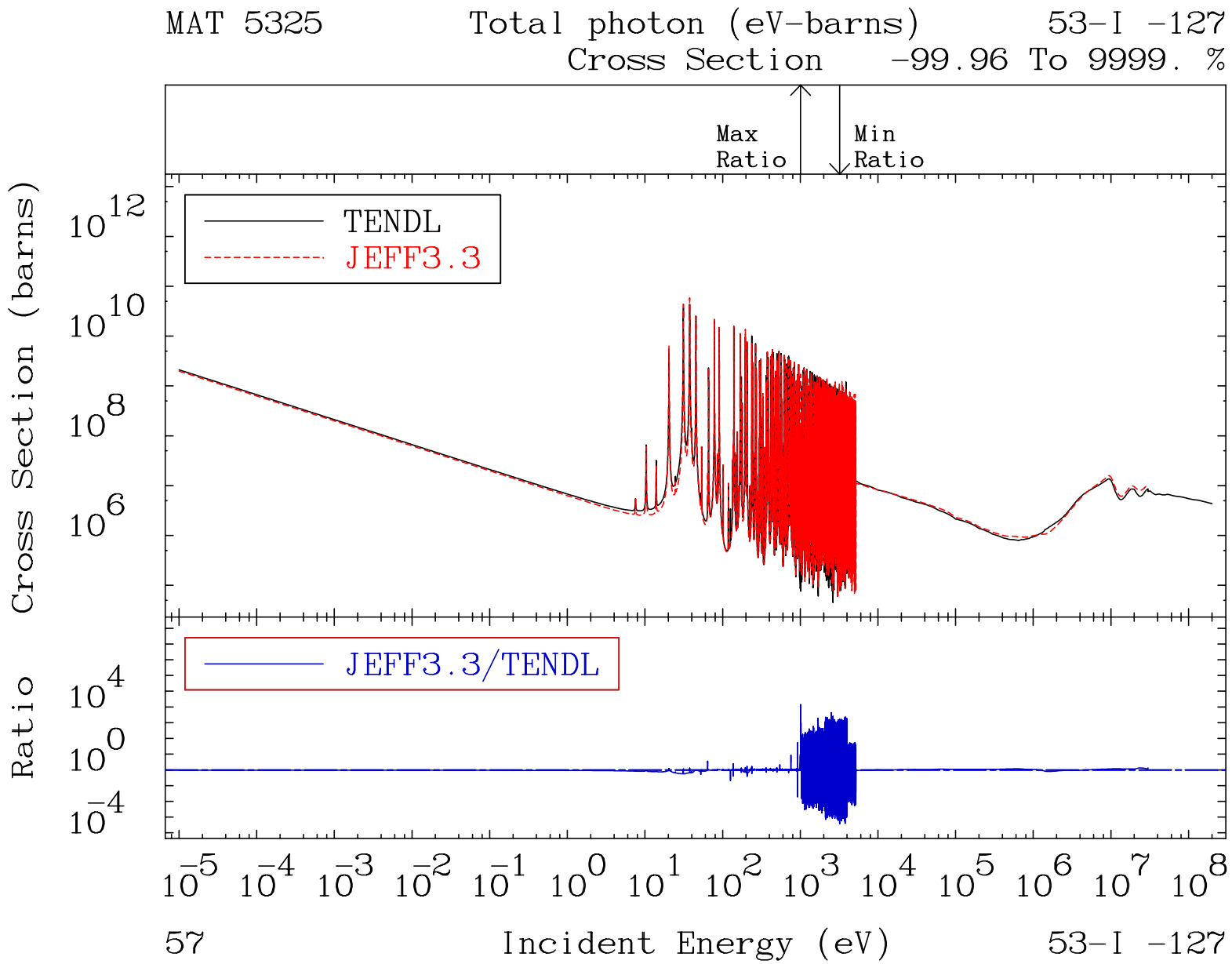

MAT 5325
Kerma elastic
Cross Section
53-I -127
-99.36 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
53-I -127

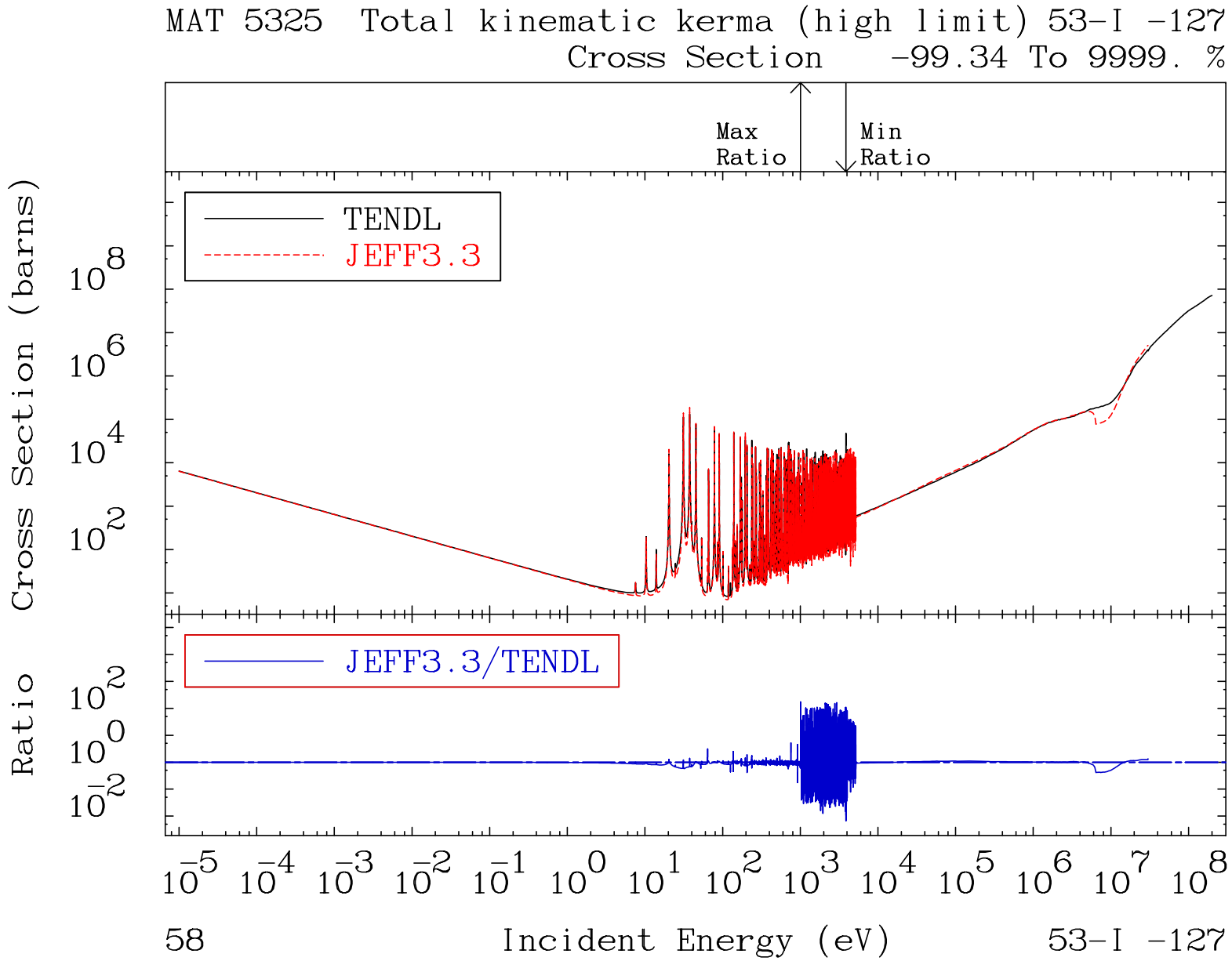

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
53-I -127

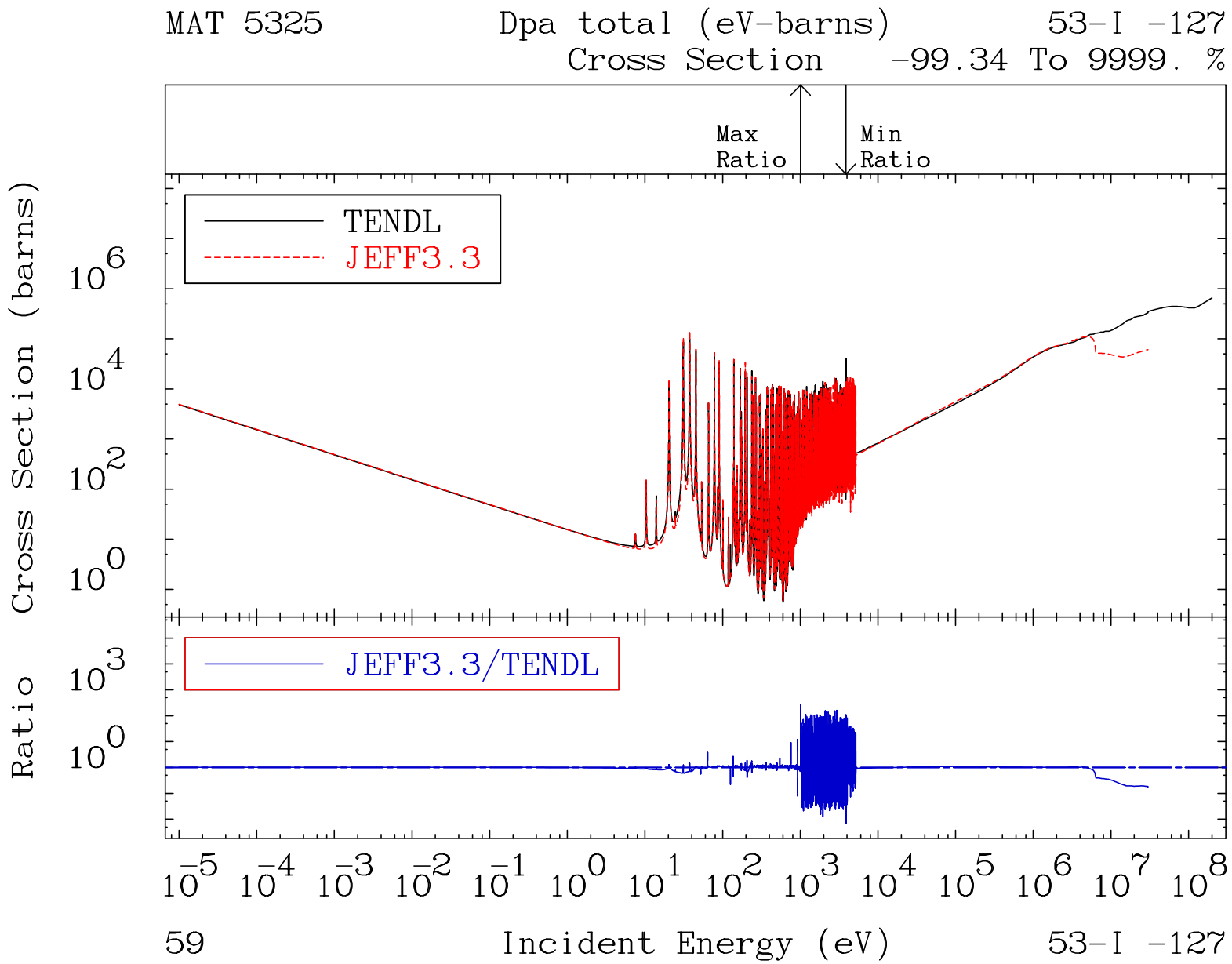

MAT 5325
Kerma inelastic (mt51-91)
53-I -127
Cross Section -100.0 To 1078. %
Min Ratio
Max Ratio
TENDL Threshold 58.066 keV
JEFF3.3 Threshold 58.066 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
53-I -127

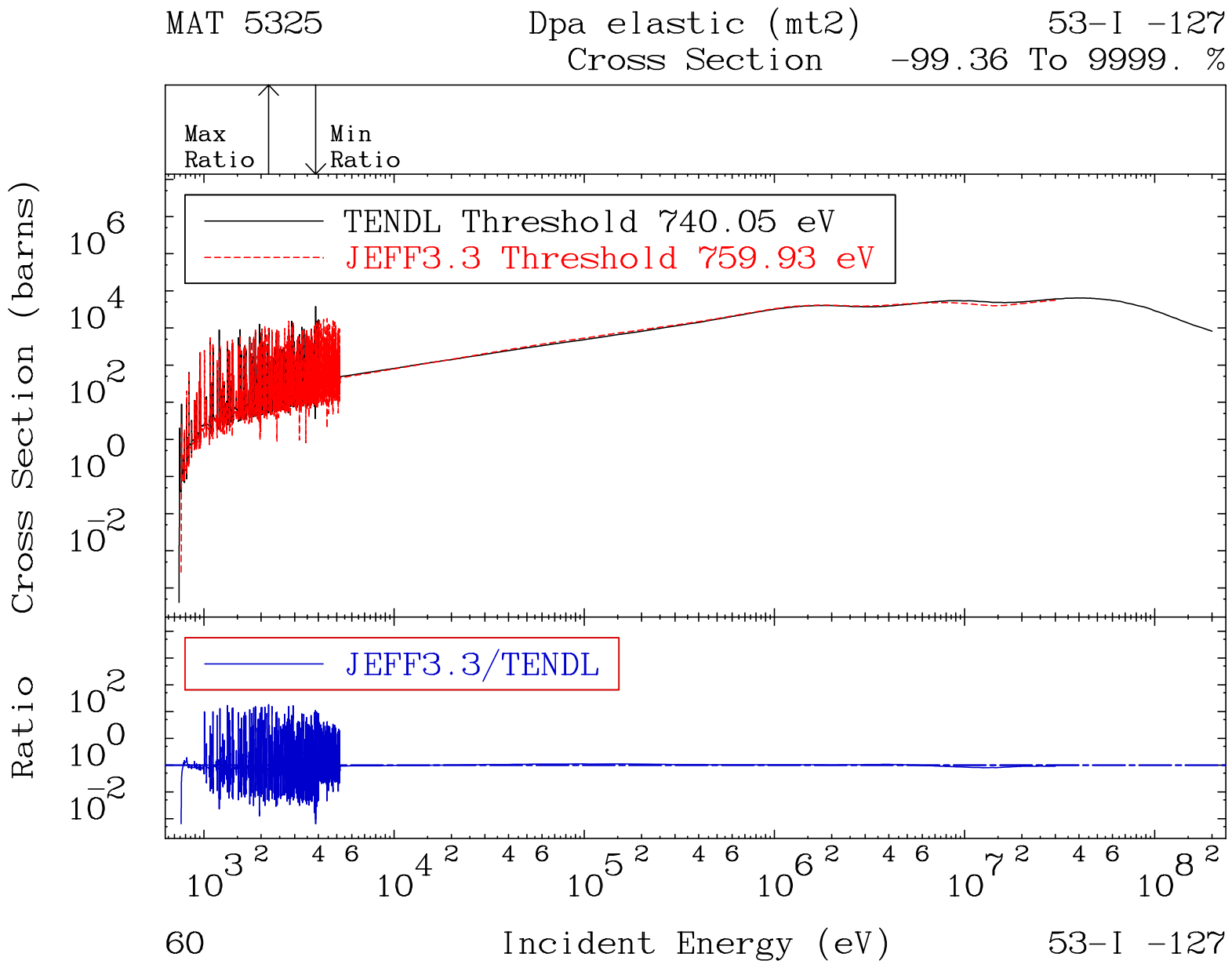

MAT 5325 Kerma fission (mt18 or mt19-20-21-38) 53-I -127
Cross Section -100.0 To 1078. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{4}
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
55
Incident Energy (eV)
53-I -127

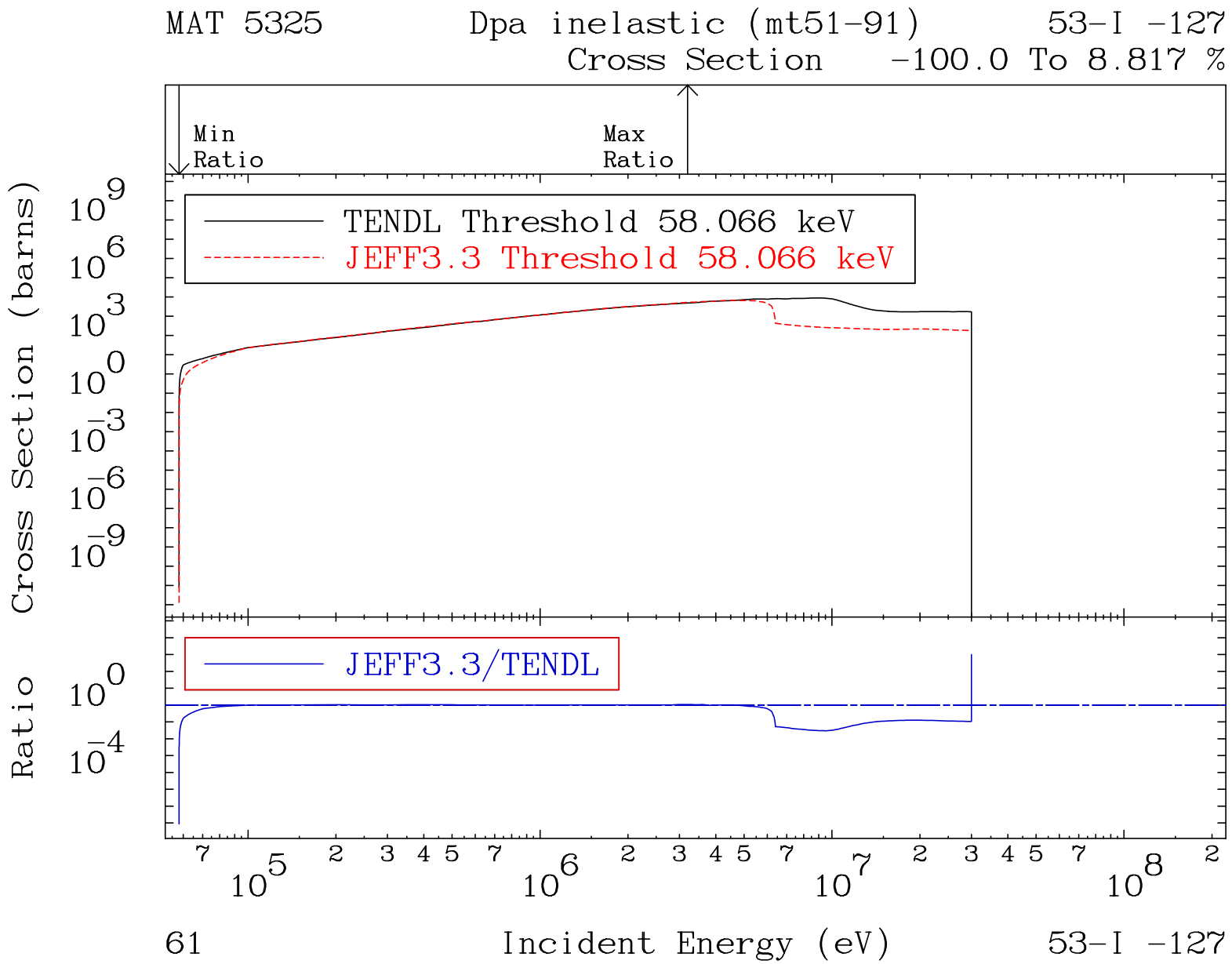

MAT 5325
Kerma capture (mt102)
53-I -127
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
53-I -127

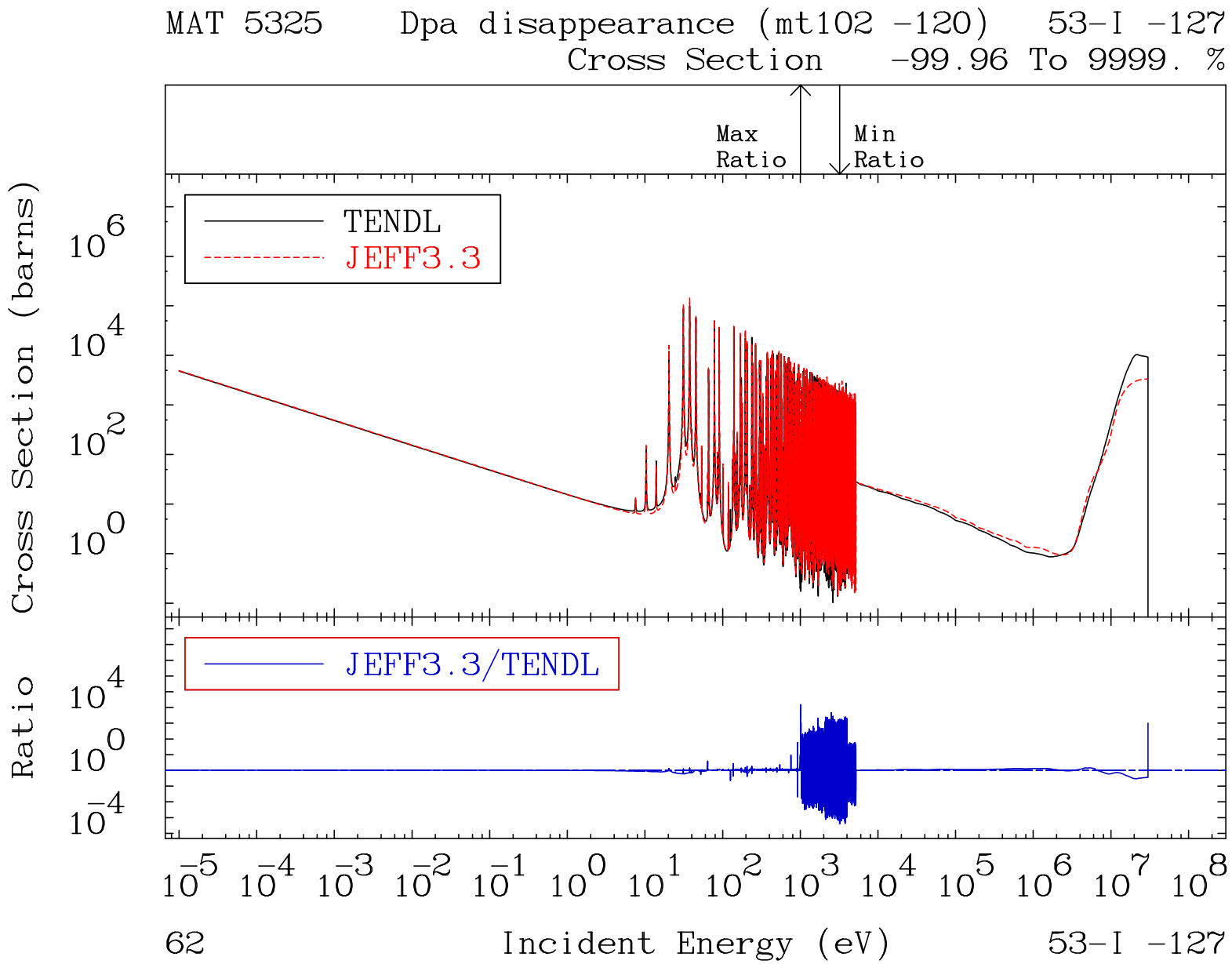

MAT 5325
Total photon (eV-barns)
53-I -127
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
53-I -127

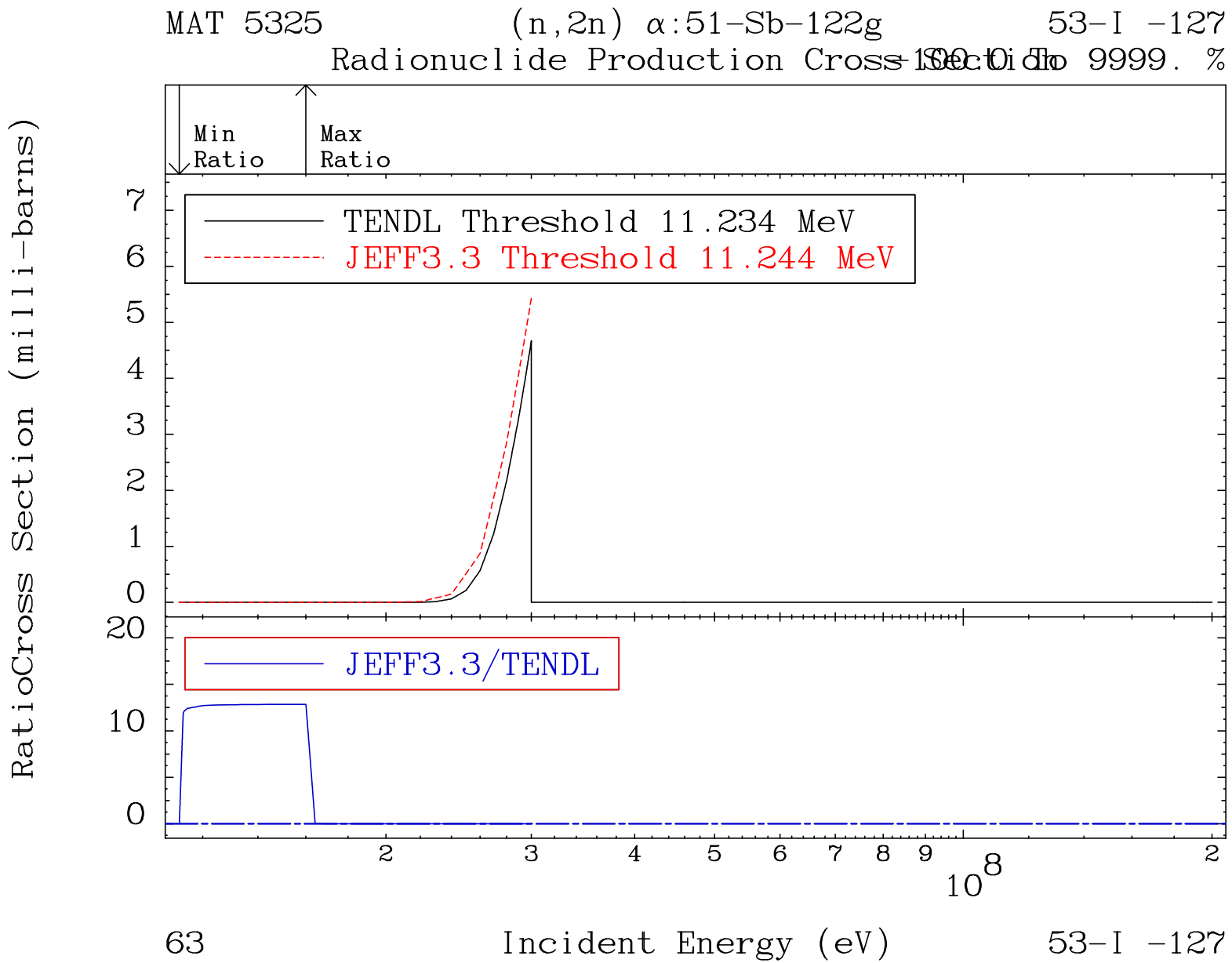

MAT 5325 Total kinematic kerma (high limit) 53-I -127
Cross Section -99.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
53-I -127

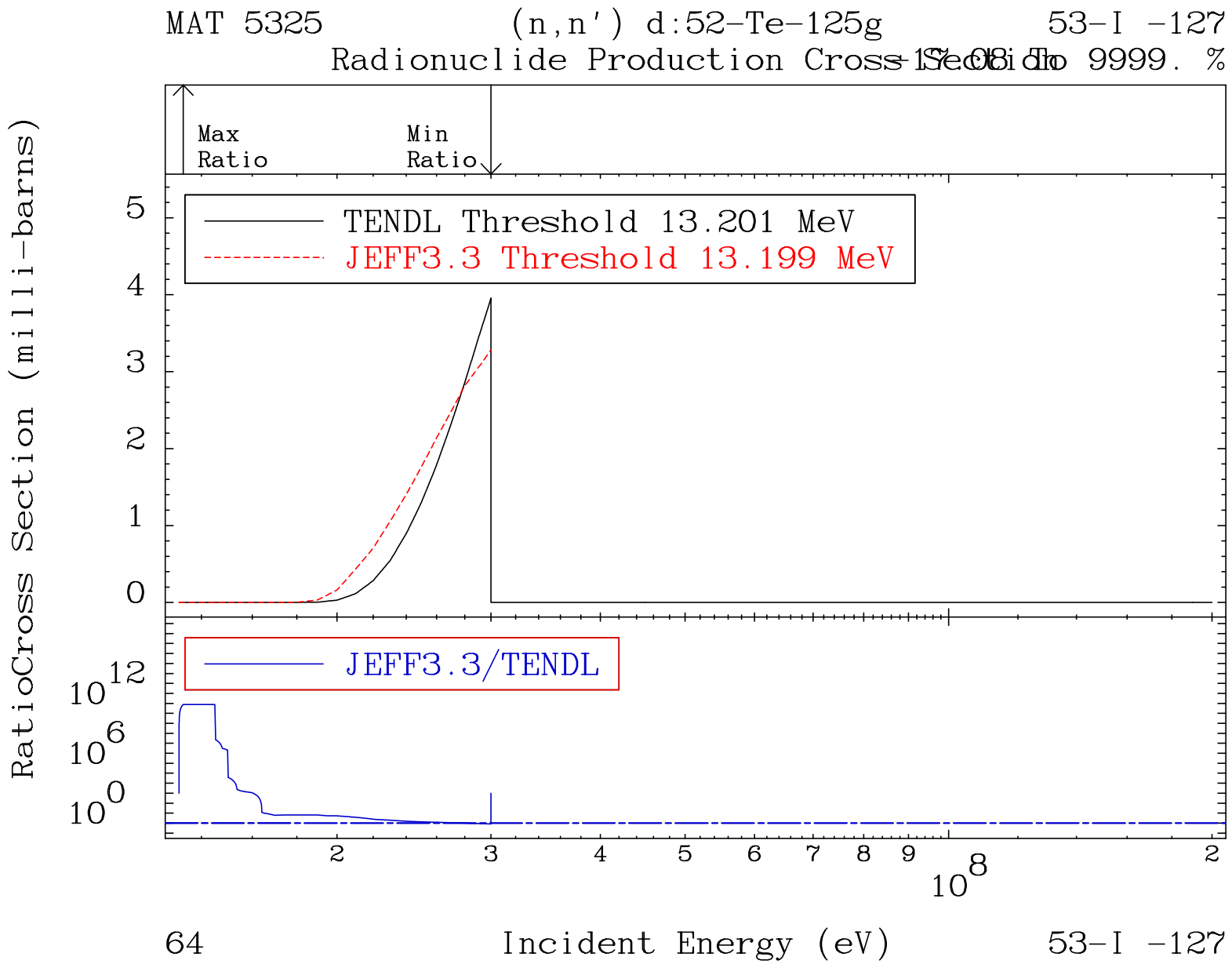

MAT 5325
Dpa total (eV-barns)
53-I -127
Cross Section -99.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
53-I -127

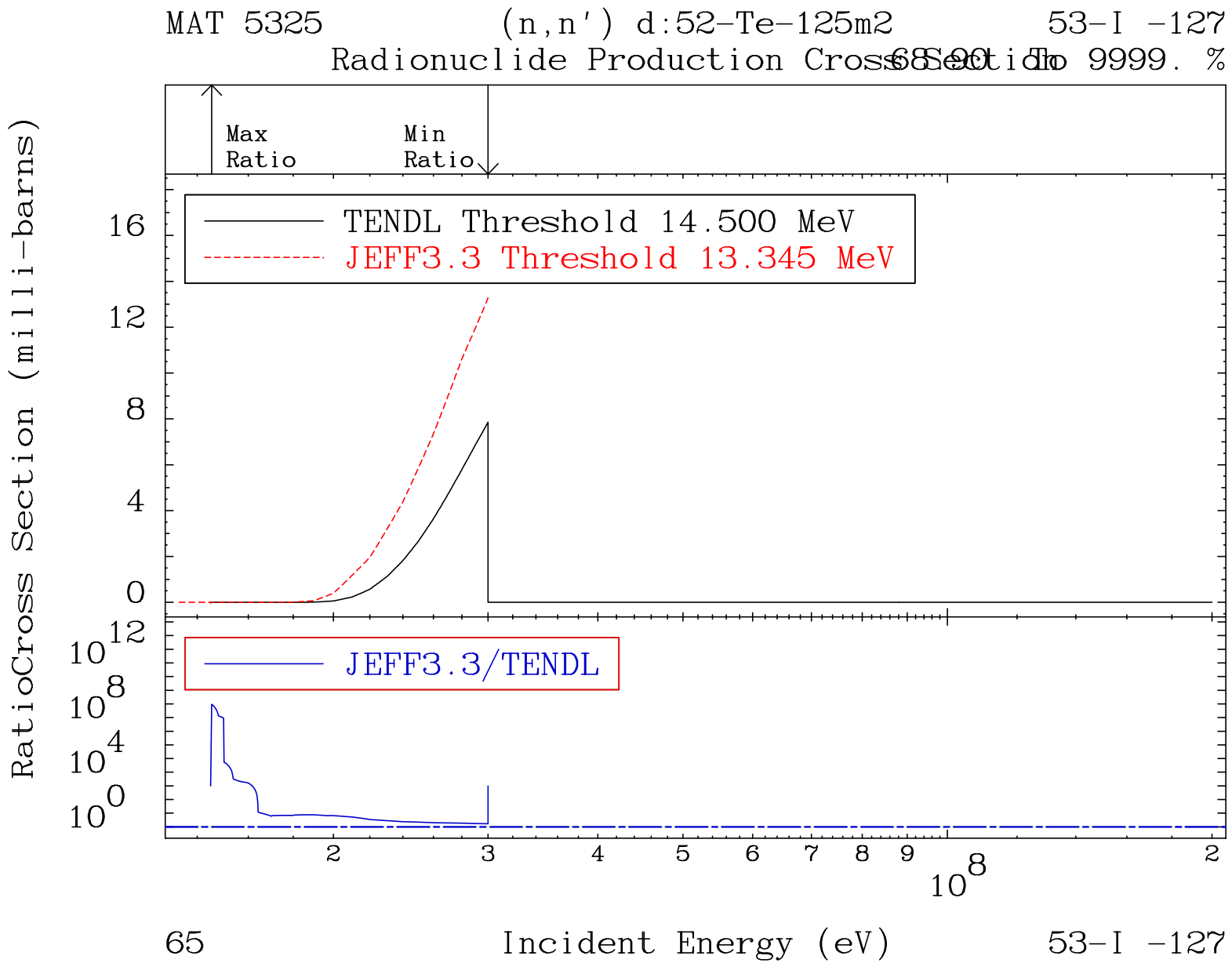

MAT 5325
Dpa elastic (mt2)
Cross Section
53-I -127
-99.36 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 740.05 eV
JEFF3.3 Threshold 759.93 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
53-I -127

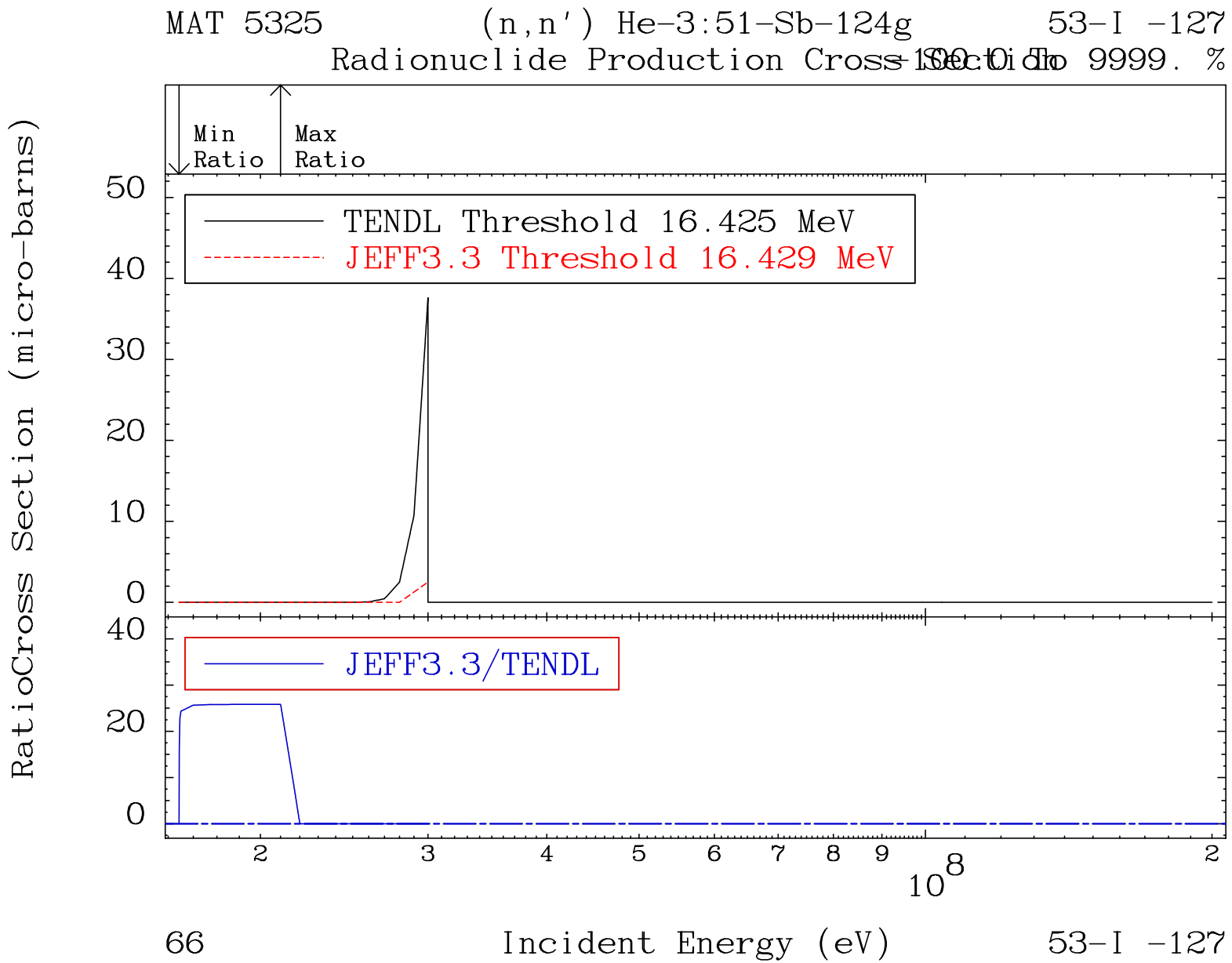

MAT 5325
Dpa inelastic (mt51-91)
53-I -127
Cross Section -100.0 To 8.817 %
Min Ratio
Max Ratio
TENDL Threshold 58.066 keV
JEFF3.3 Threshold 58.066 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
53-I -127

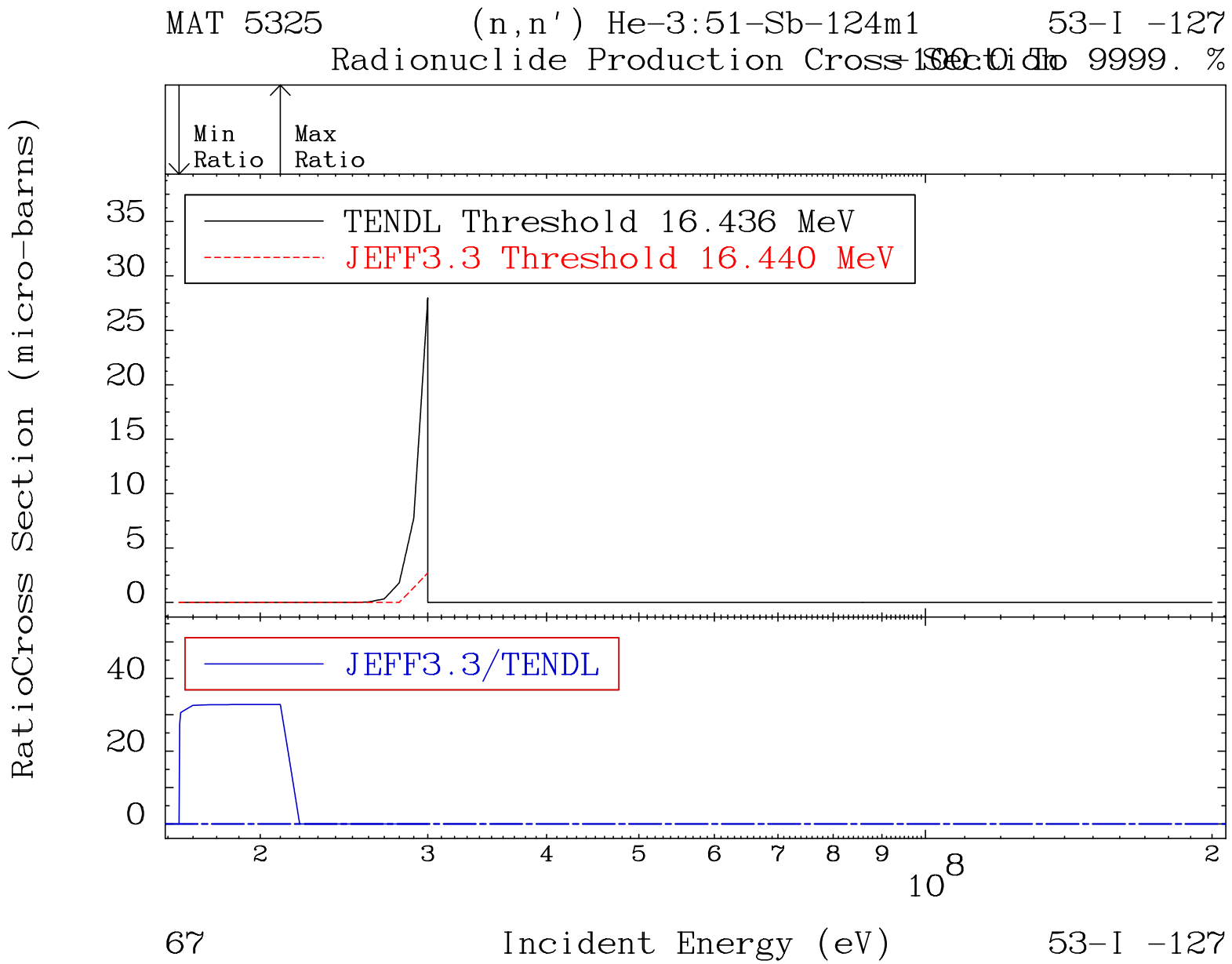

MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
53-I -127

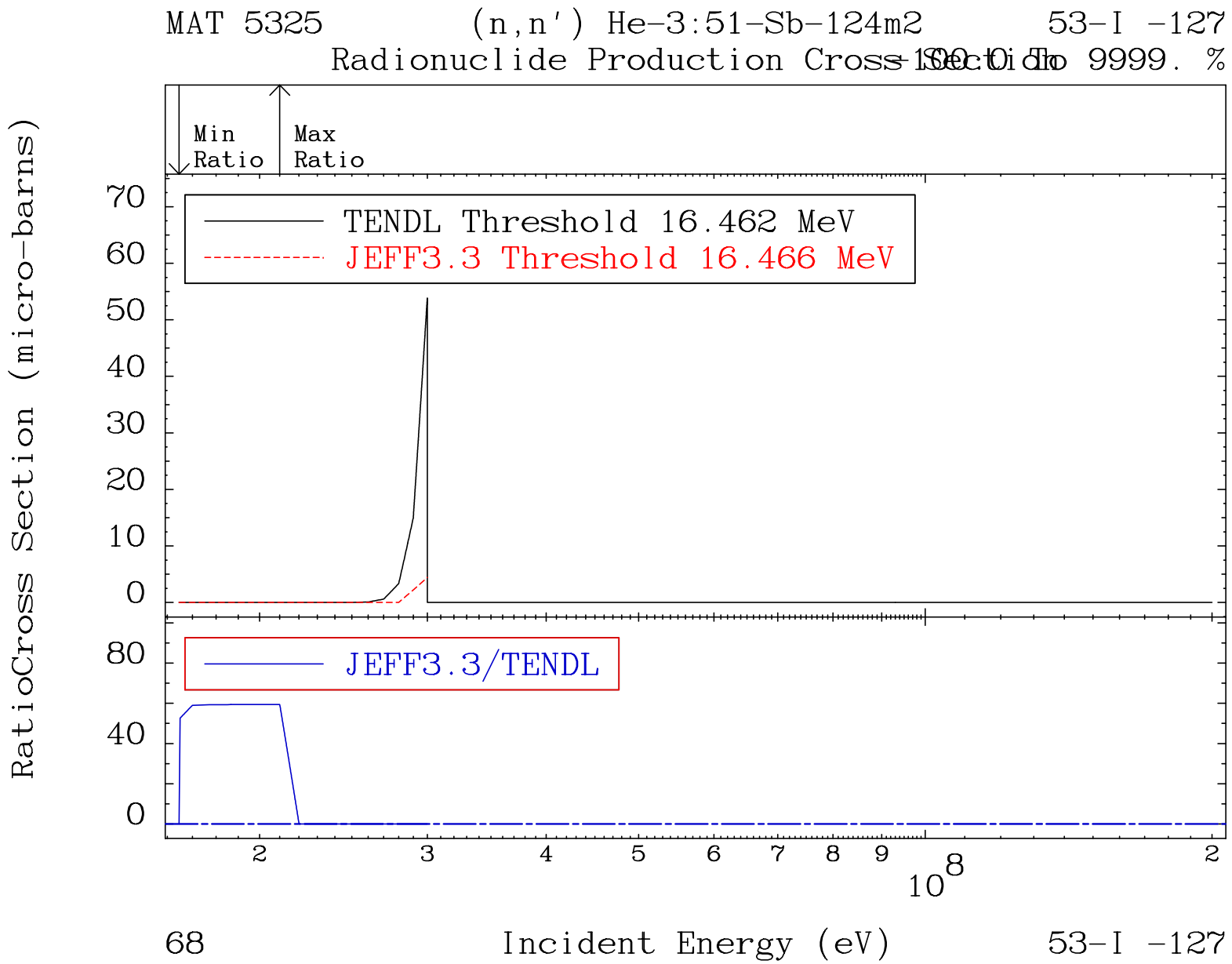

MAT 5325
(n,2n) α:51-Sb-122g
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.234 MeV
JEFF3.3 Threshold 11.244 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
53-I -127

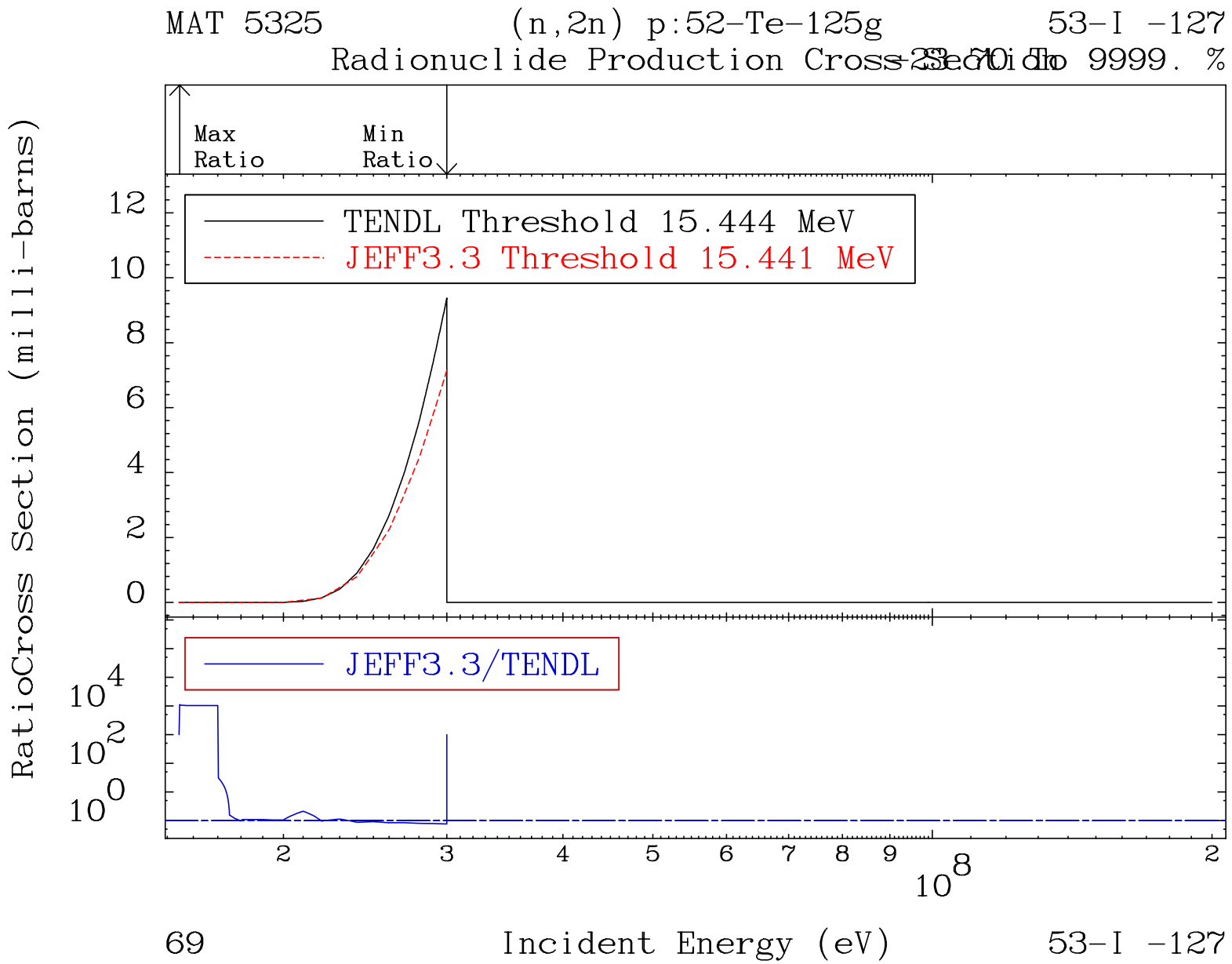

MAT 5325
(n,n') d:52-Te-125g
53-I -127
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.201 MeV
JEFF3.3 Threshold 13.199 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
53-I -127

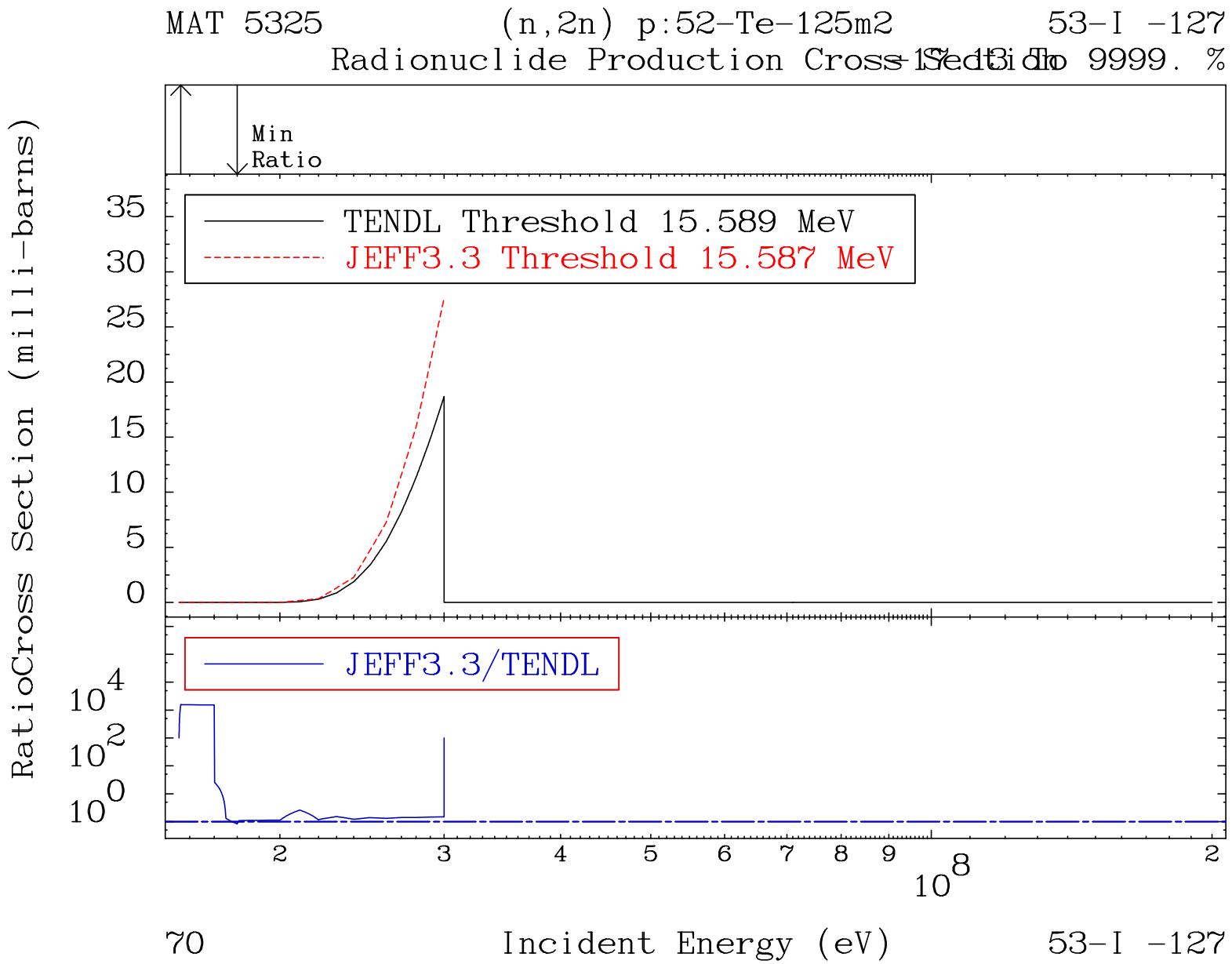

MAT 5325
(n,n') d:52-Te-125m2
53-I -127
Radionuclide Production Cross Section
68.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 14.500 MeV
JEFF3.3 Threshold 13.345 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^{12}
10^{8}
10^{4}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
65
Incident Energy (eV)
53-I -127

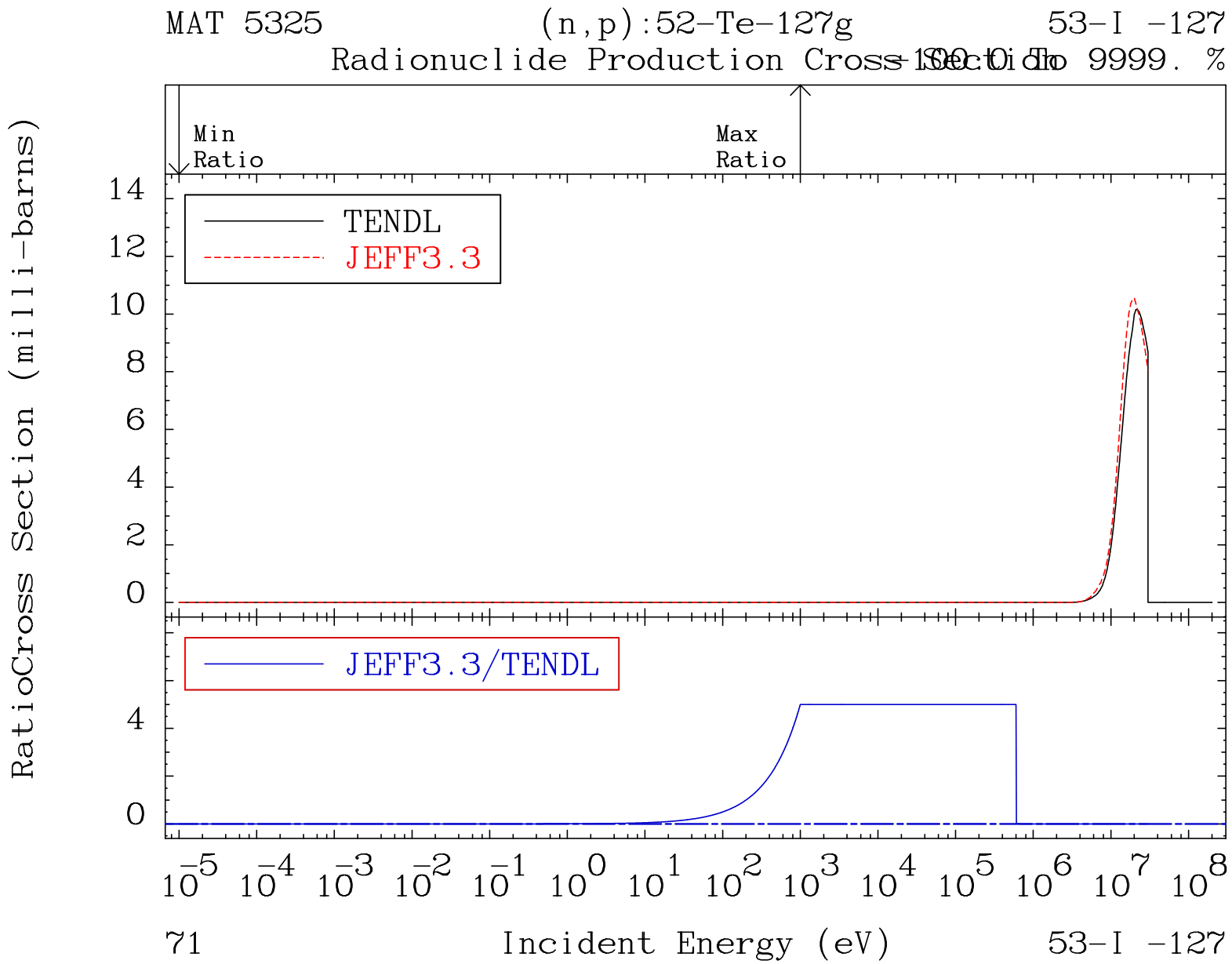

MAT 5325 (n,n') He-3:51-Sb-124g 53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 16.425 MeV
JEFF3.3 Threshold 16.429 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
66
53-I -127

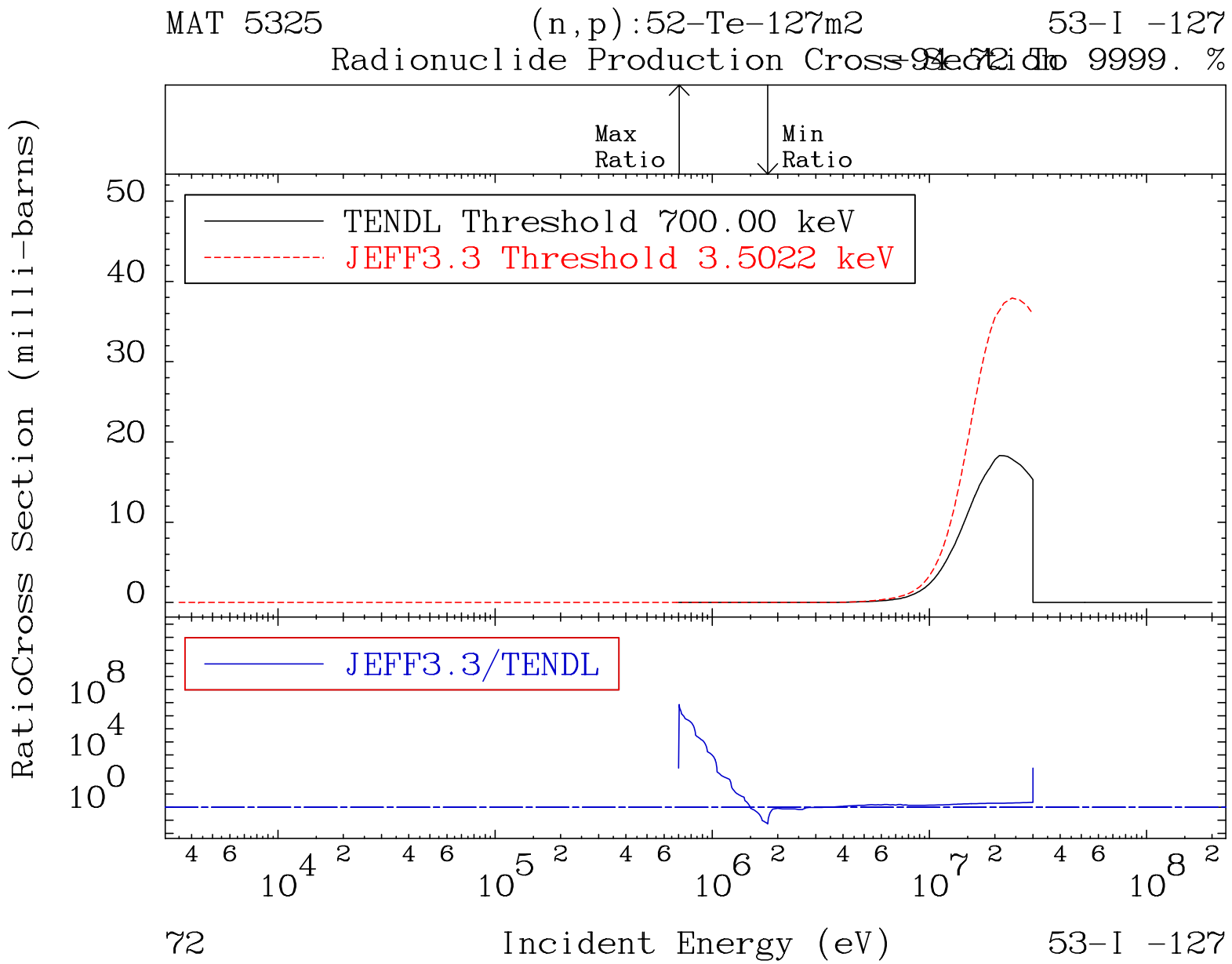

MAT 5325 (n,n') He-3:51-Sb-124m1 53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 16.436 MeV
JEFF3.3 Threshold 16.440 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
67
53-I -127

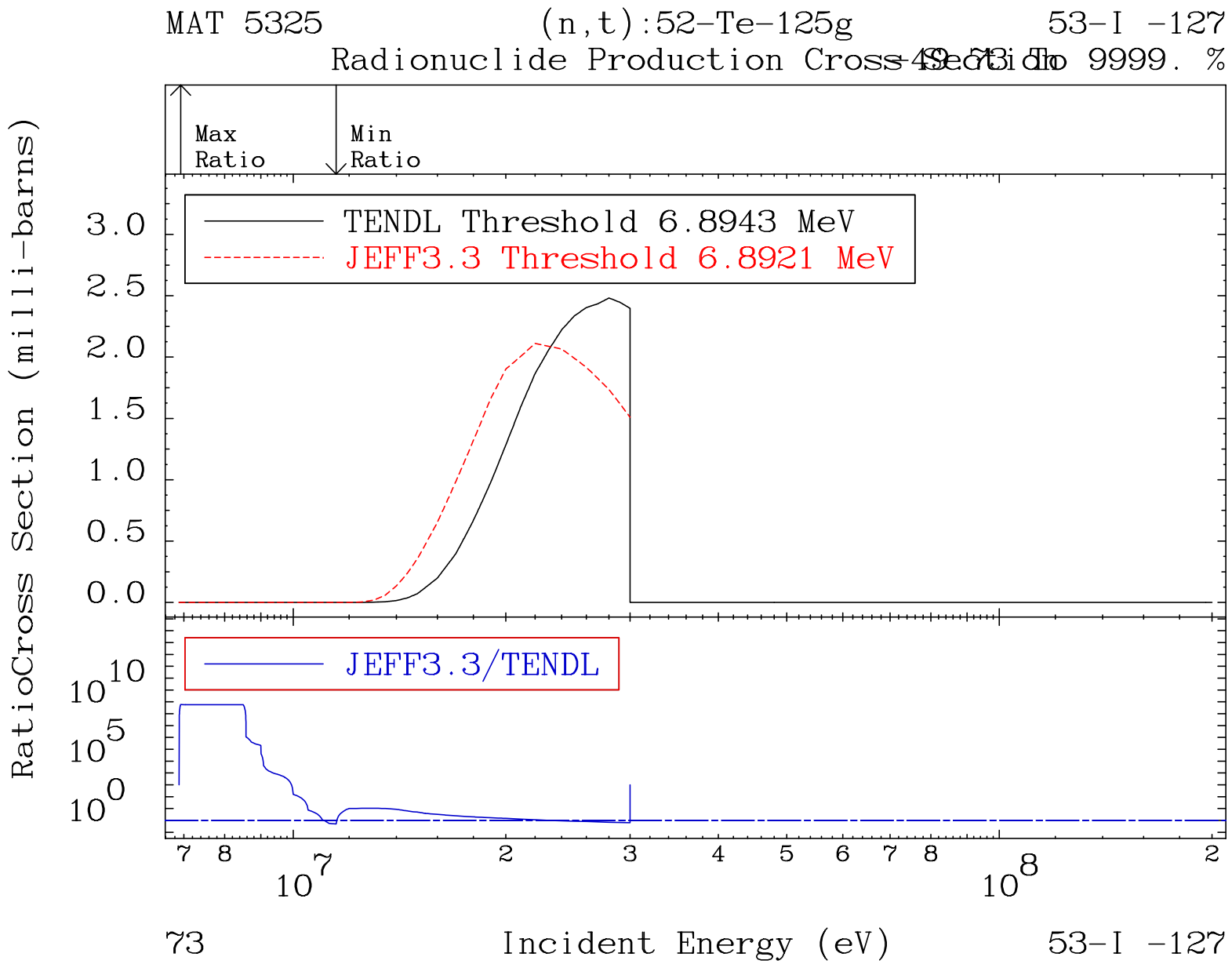

MAT 5325 (n,n') He-3:51-Sb-124m2 53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 16.462 MeV
JEFF3.3 Threshold 16.466 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
68
53-I -127

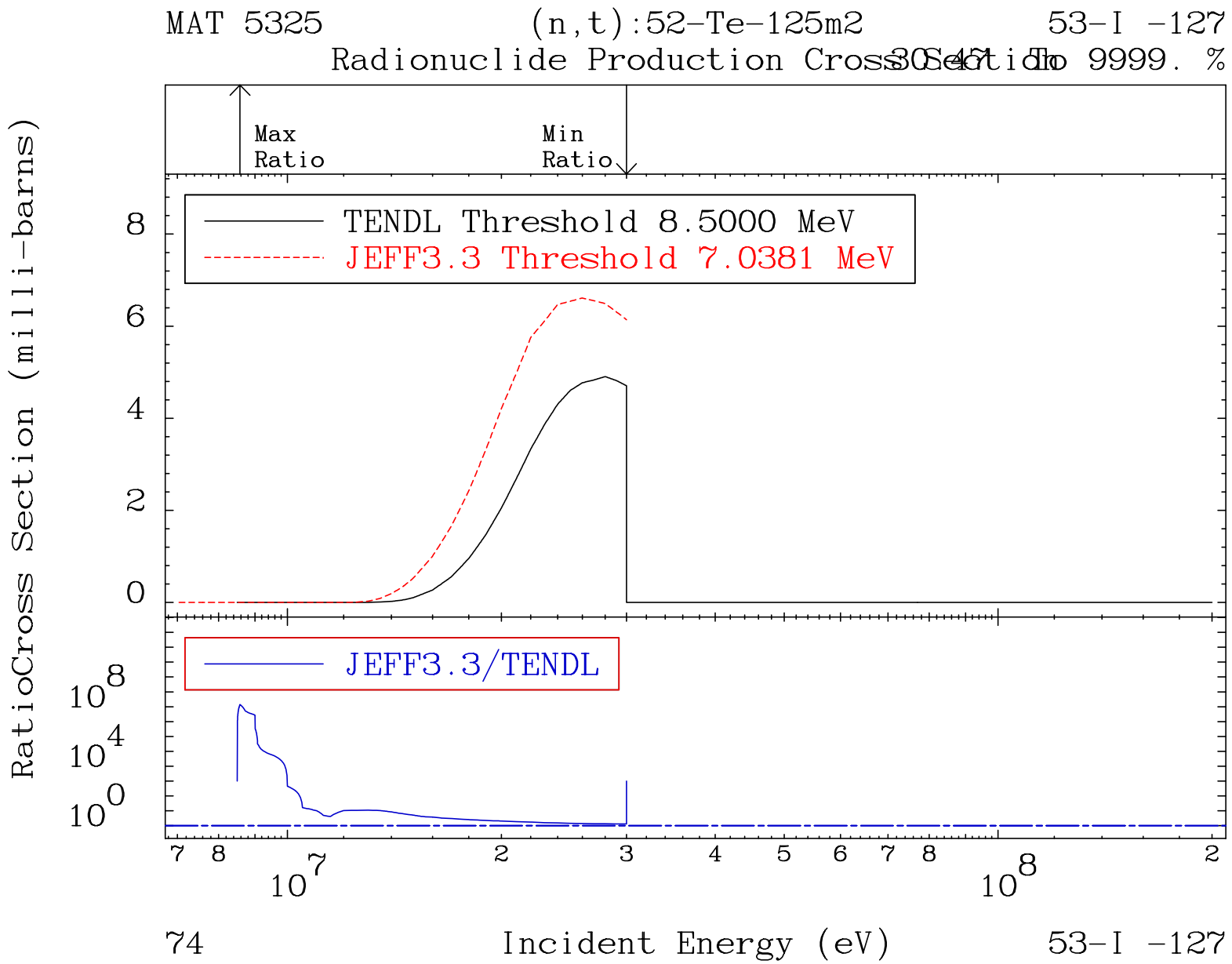

MAT 5325
(n,2n) p:52-Te-125g
53-I -127
Radionuclide Production Cross Section
To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 15.444 MeV
JEFF3.3 Threshold 15.441 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
53-I -127

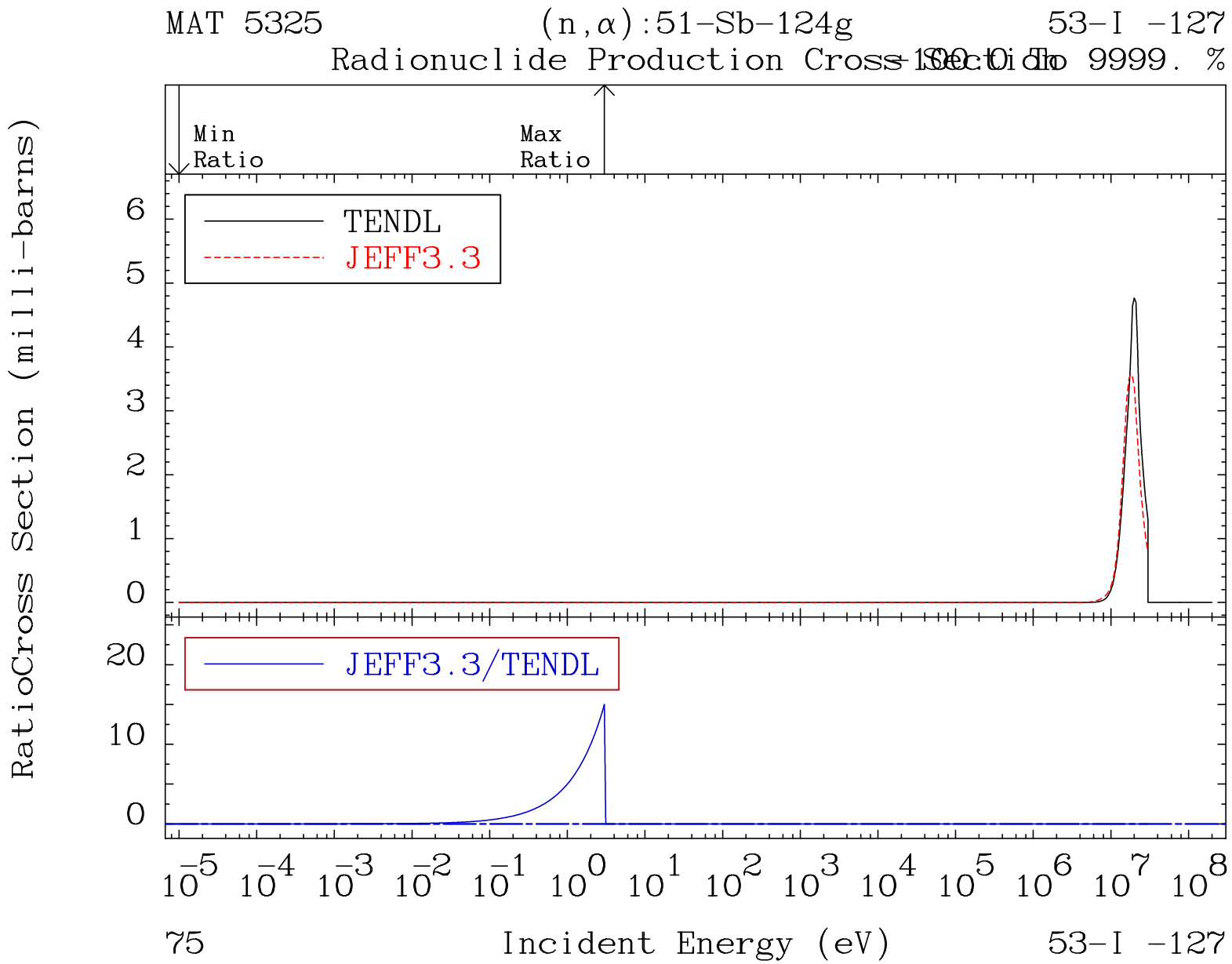

MAT 5325
(n,2n) p:52-Te-125m2
53-I -127
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 15.589 MeV
JEFF3.3 Threshold 15.587 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
70
Incident Energy (eV)
53-I -127

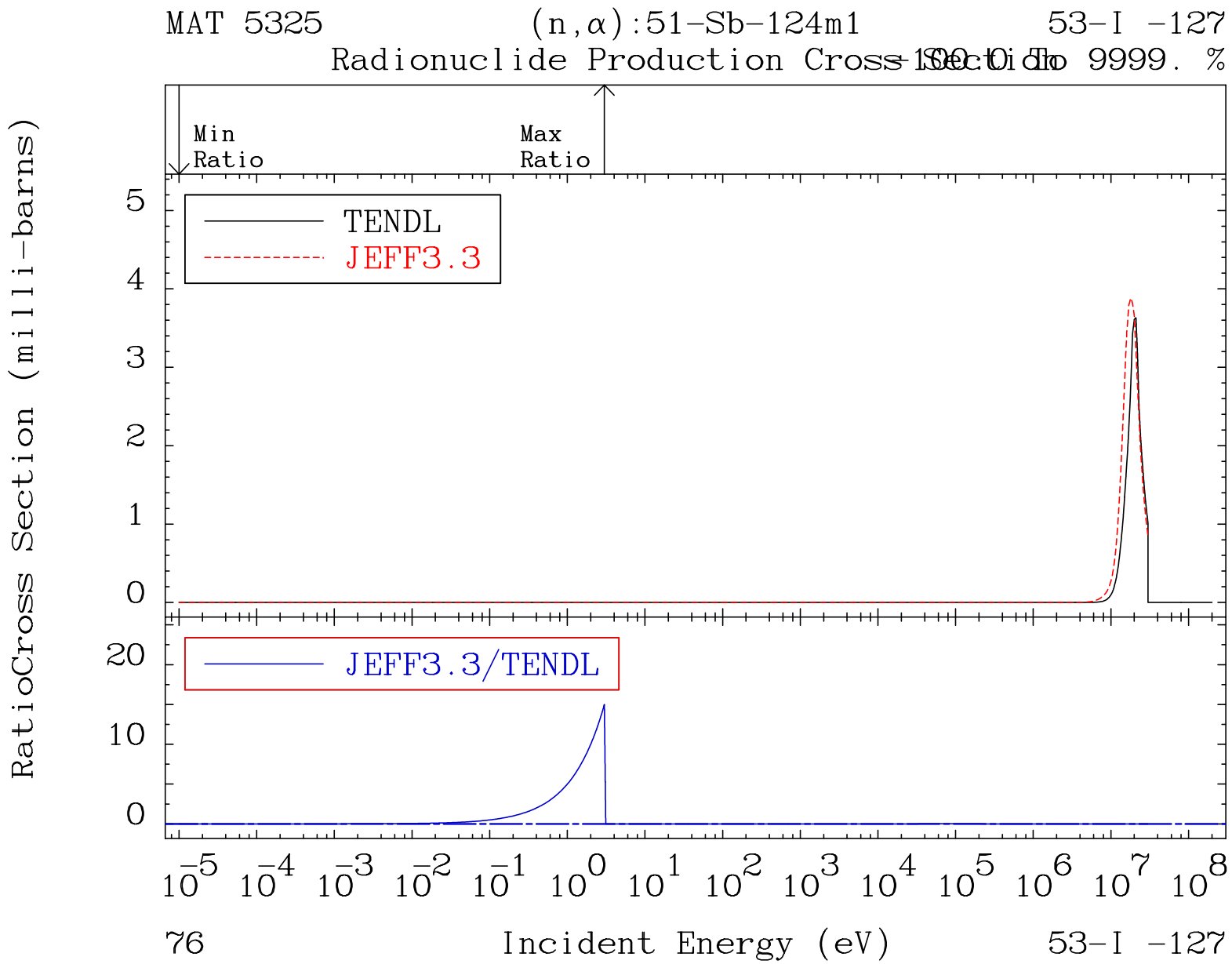

MAT 5325
(n,p):52-Te-127g
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
53-I -127

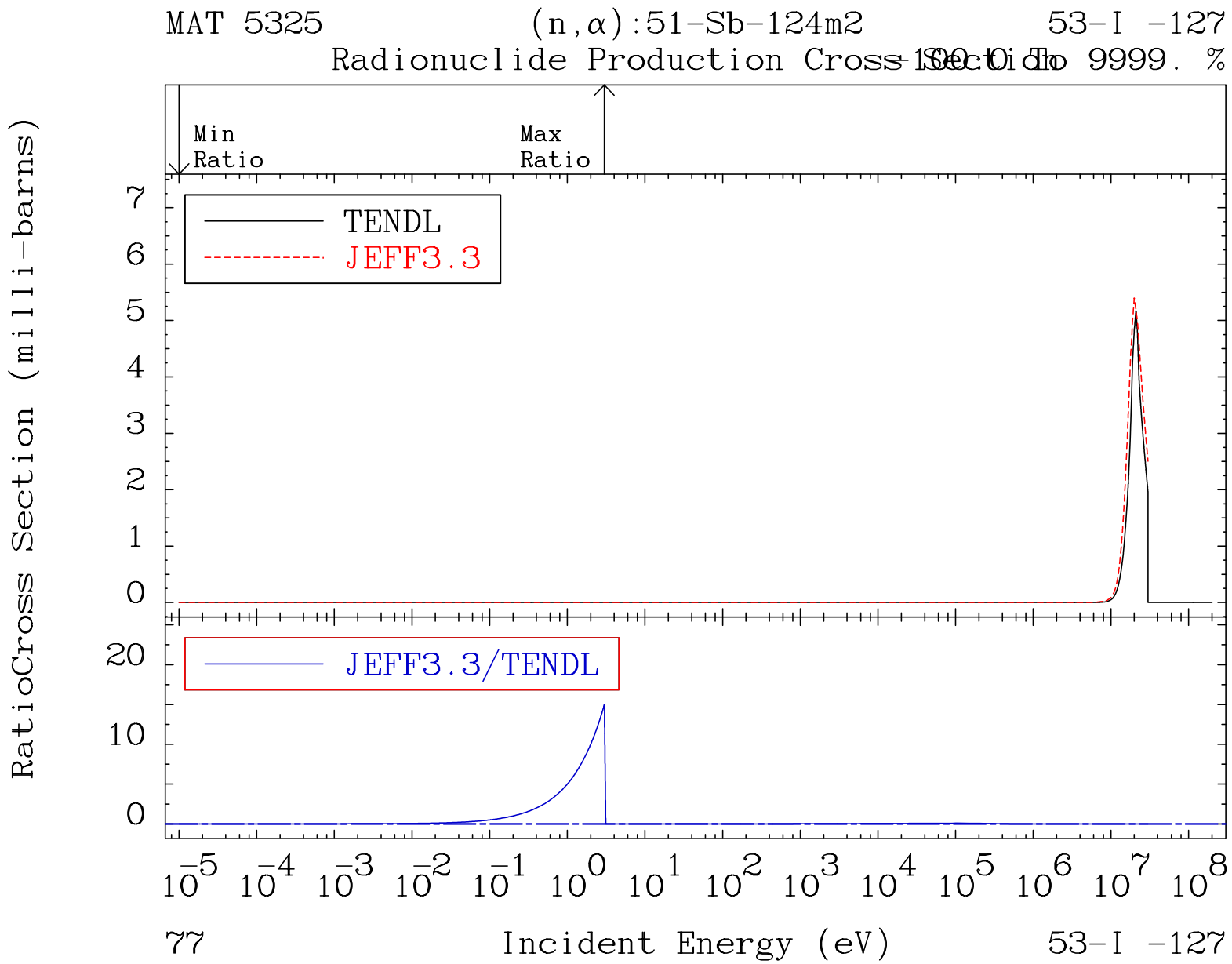

MAT 5325
(n,p):52-Te-127m2
53-I -127
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 700.00 keV
JEFF3.3 Threshold 3.5022 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
72
53-I -127

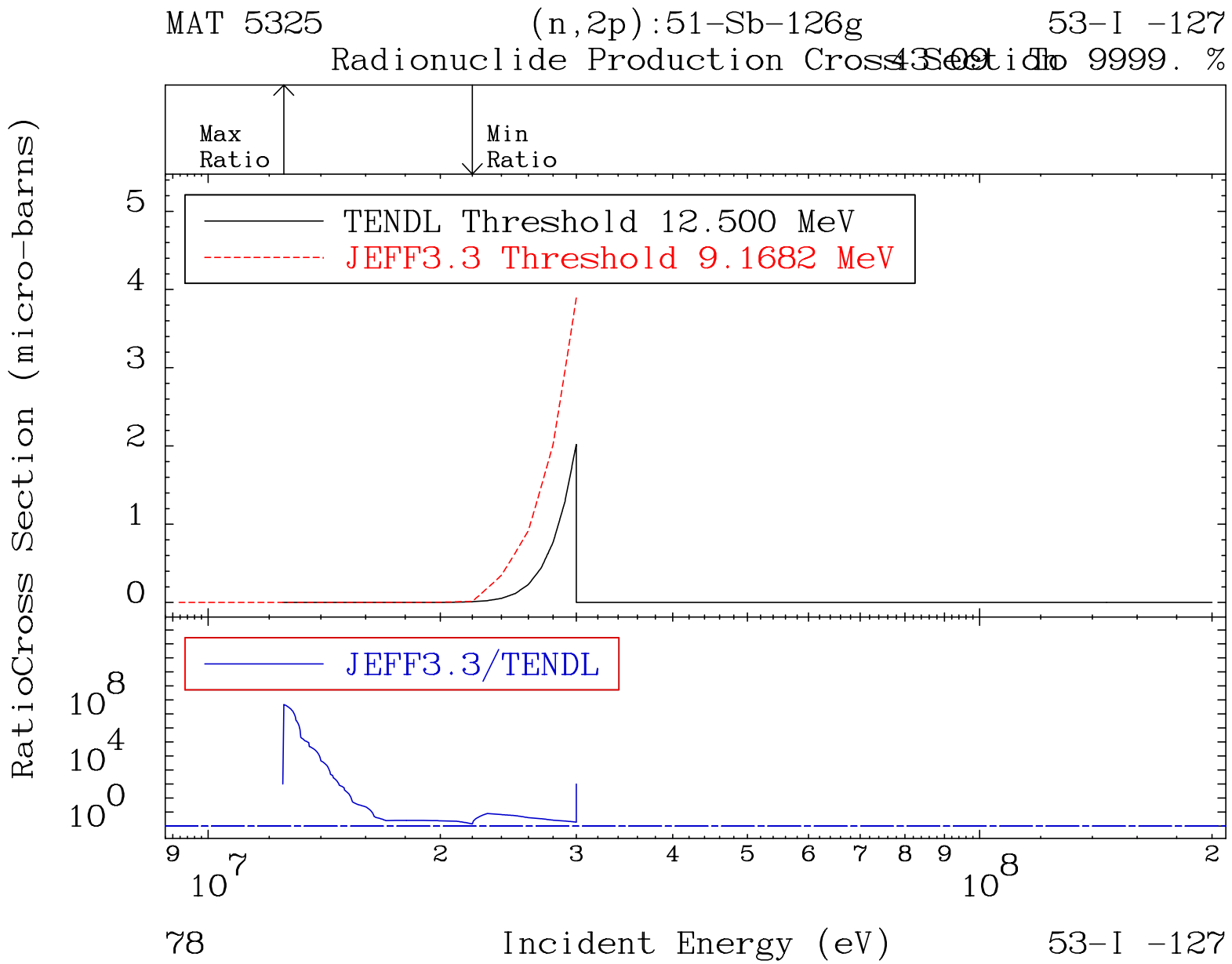

MAT 5325
(n,t):52-Te-125g
53-I -127
Radionuclide Production Cross-Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8943 MeV
JEFF3.3 Threshold 6.8921 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^10
10^5
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
73
Incident Energy (eV)
53-I -127

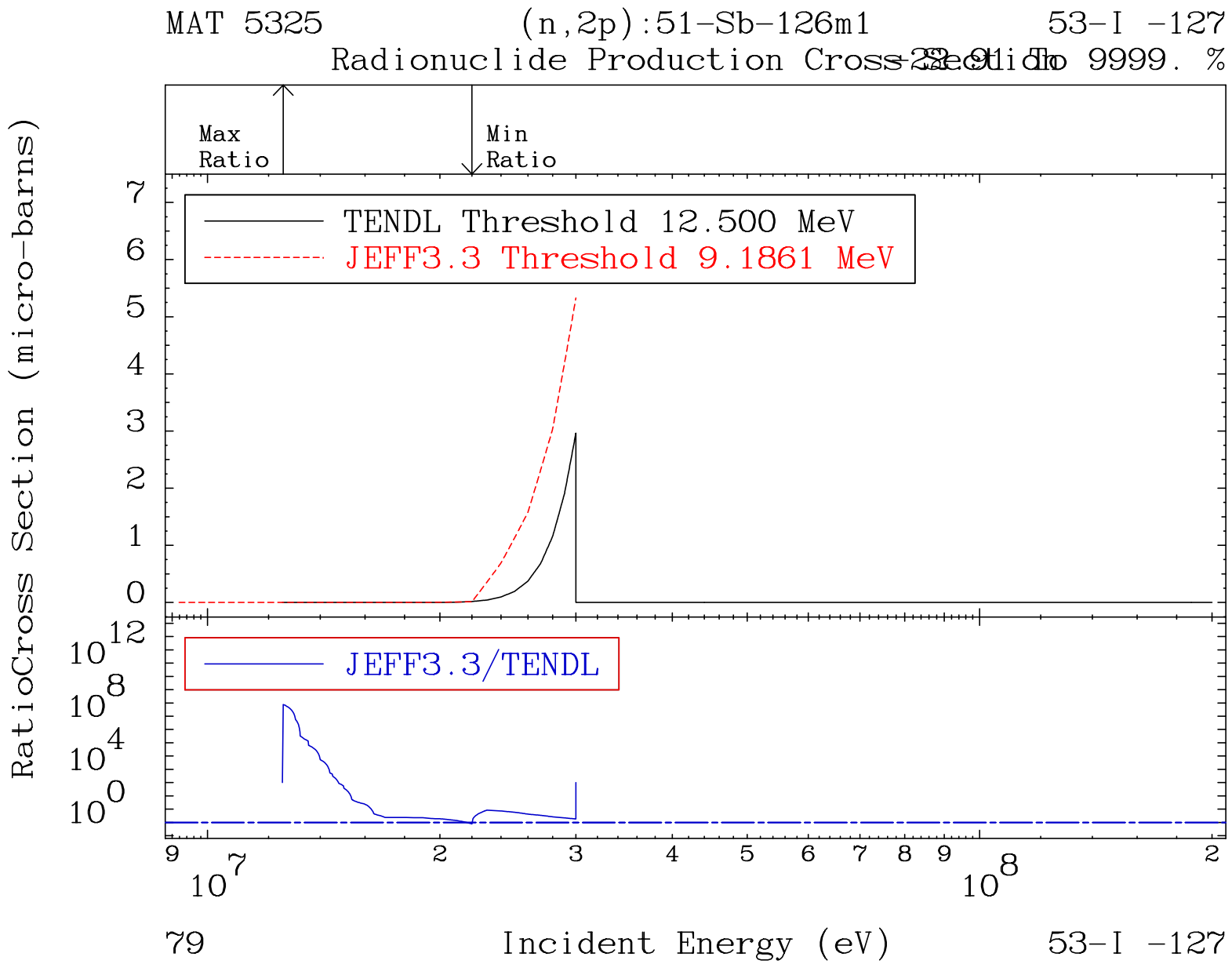

MAT 5325
(n,t):52-Te-125m2
53-I -127
Radionuclide Production Cross Section
30 47 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.5000 MeV
JEFF3.3 Threshold 7.0381 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
53-I -127

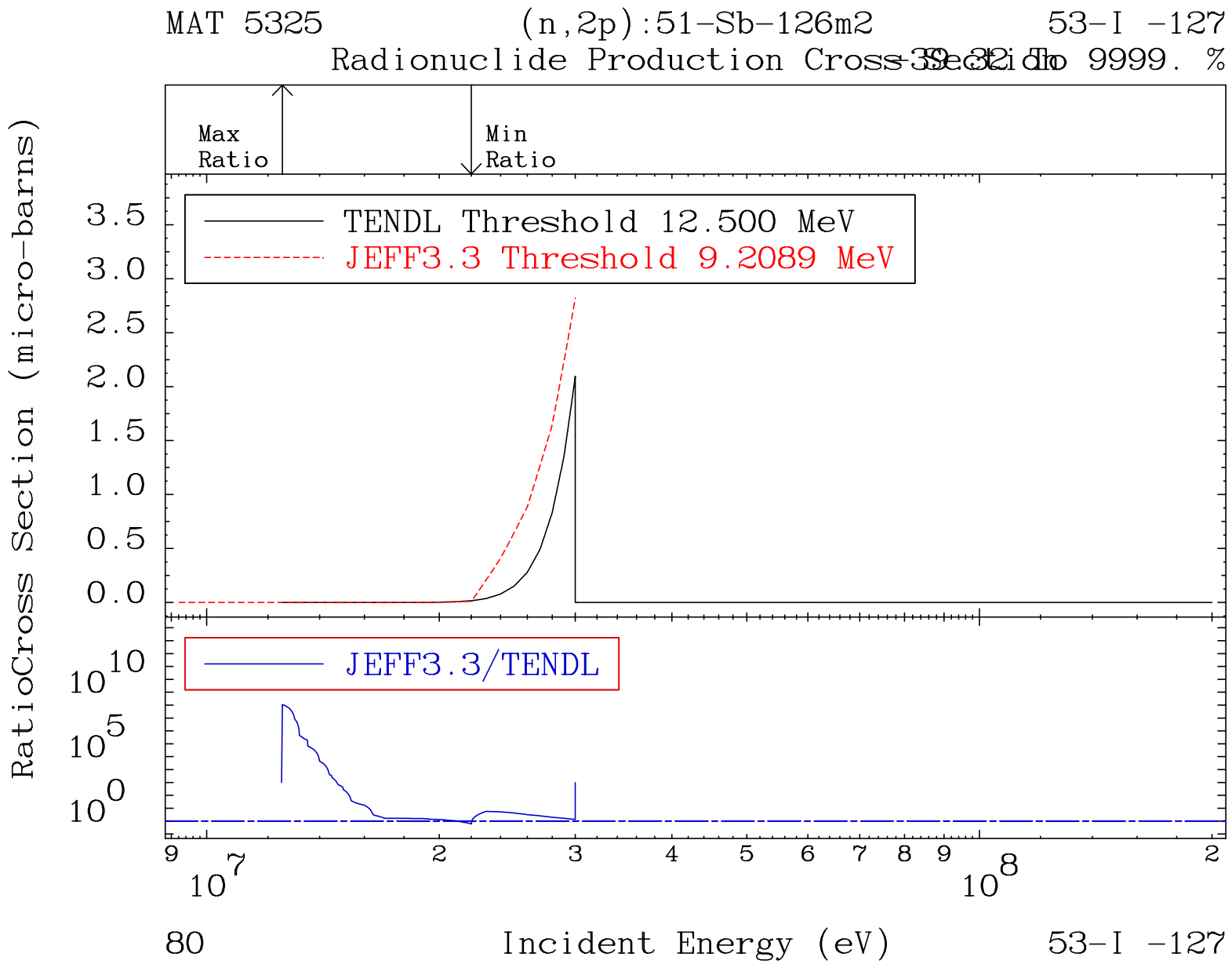

MAT 5325
(n,α):51-Sb-124g
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
53-I -127

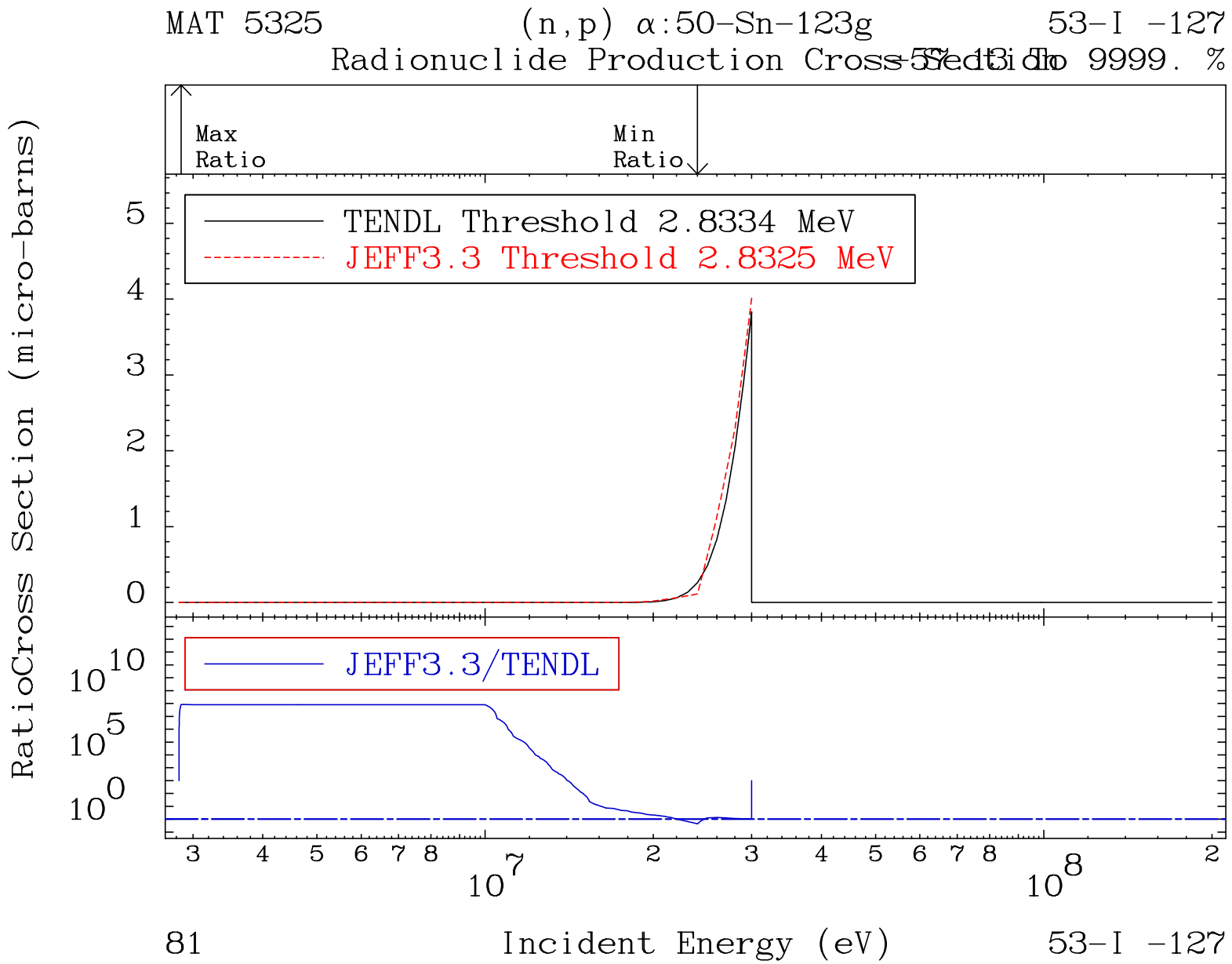

MAT 5325
(n,α):51-Sb-124m1
53-I -127
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
53-I -127

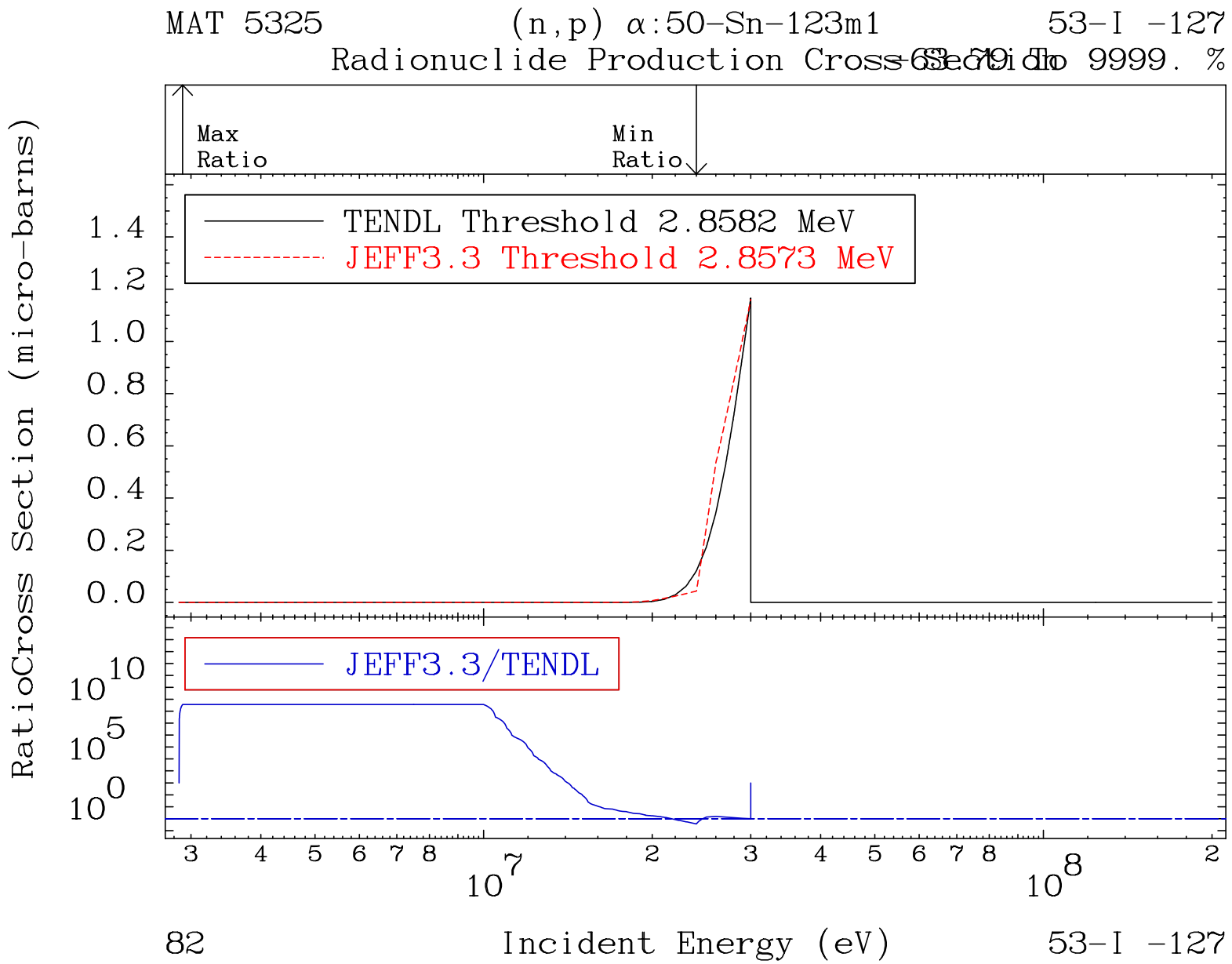

MAT 5325
(n,α):51-Sb-124m2
53-I -127
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
53-I -127

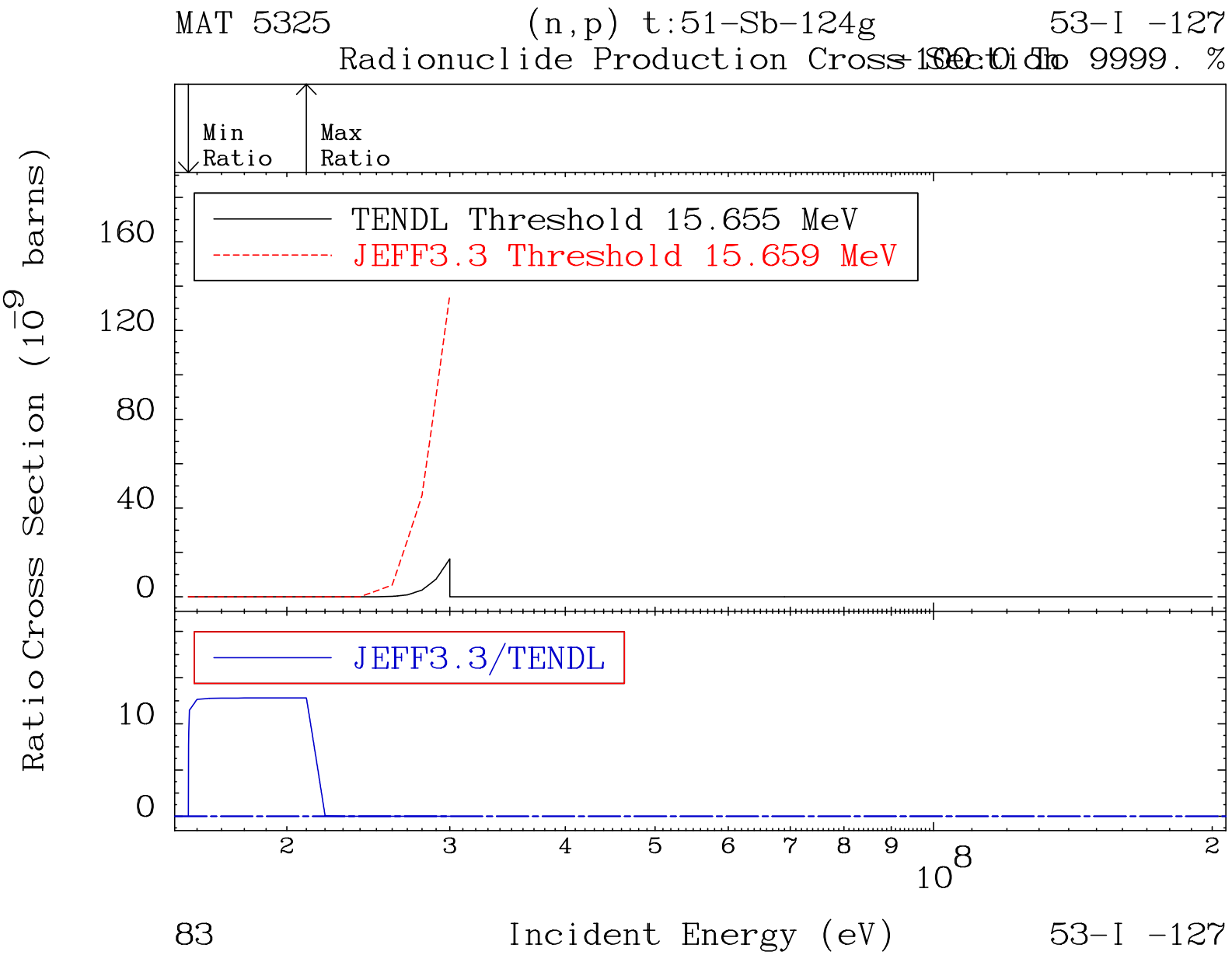

MAT 5325
(n,2p):51-Sb-126g
53-I -127
Radionuclide Production Cross Section
43.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 9.1682 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
78
53-I -127

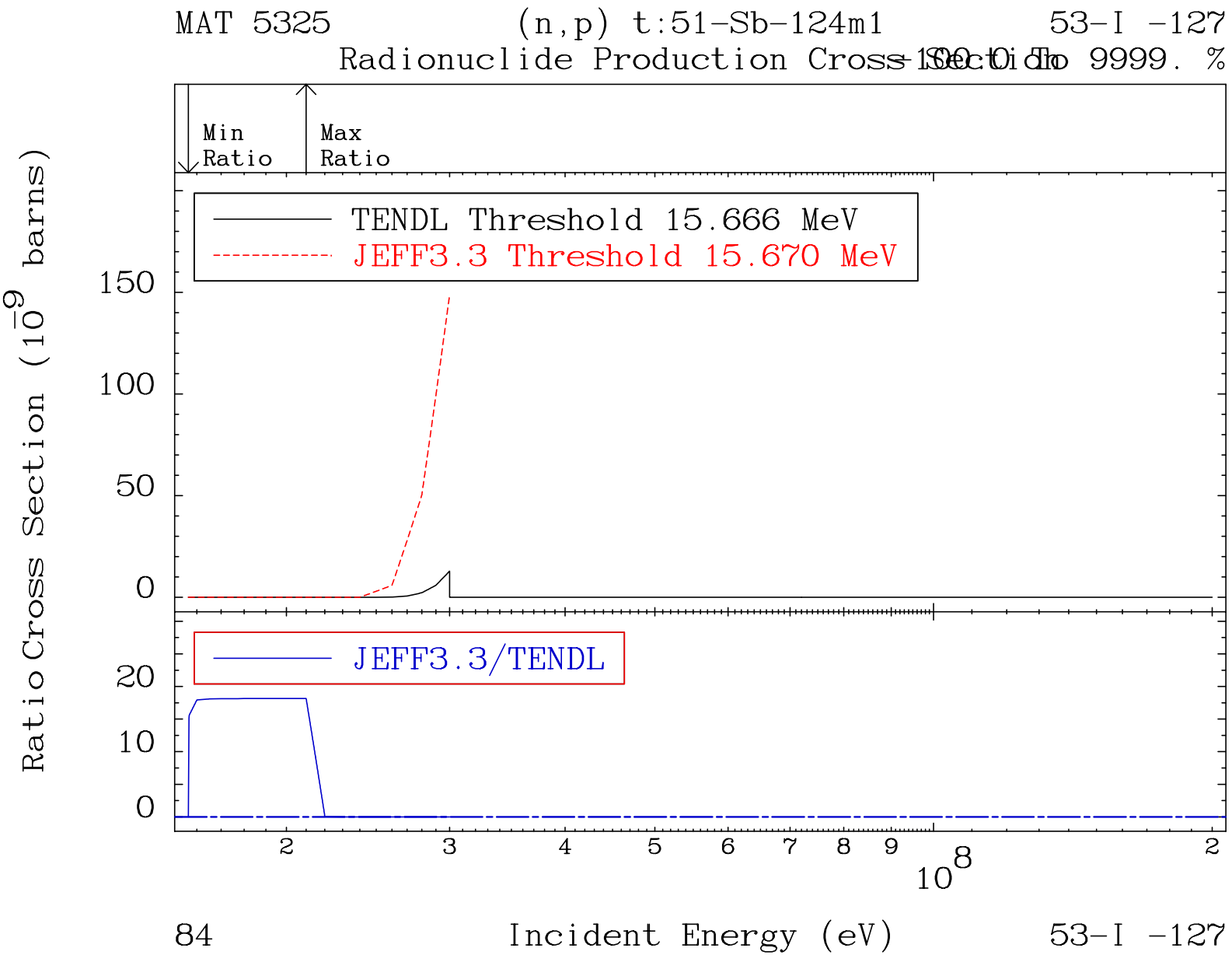

MAT 5325
(n,2p):51-Sb-126m1
53-I -127
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 9.1861 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
79
53-I -127

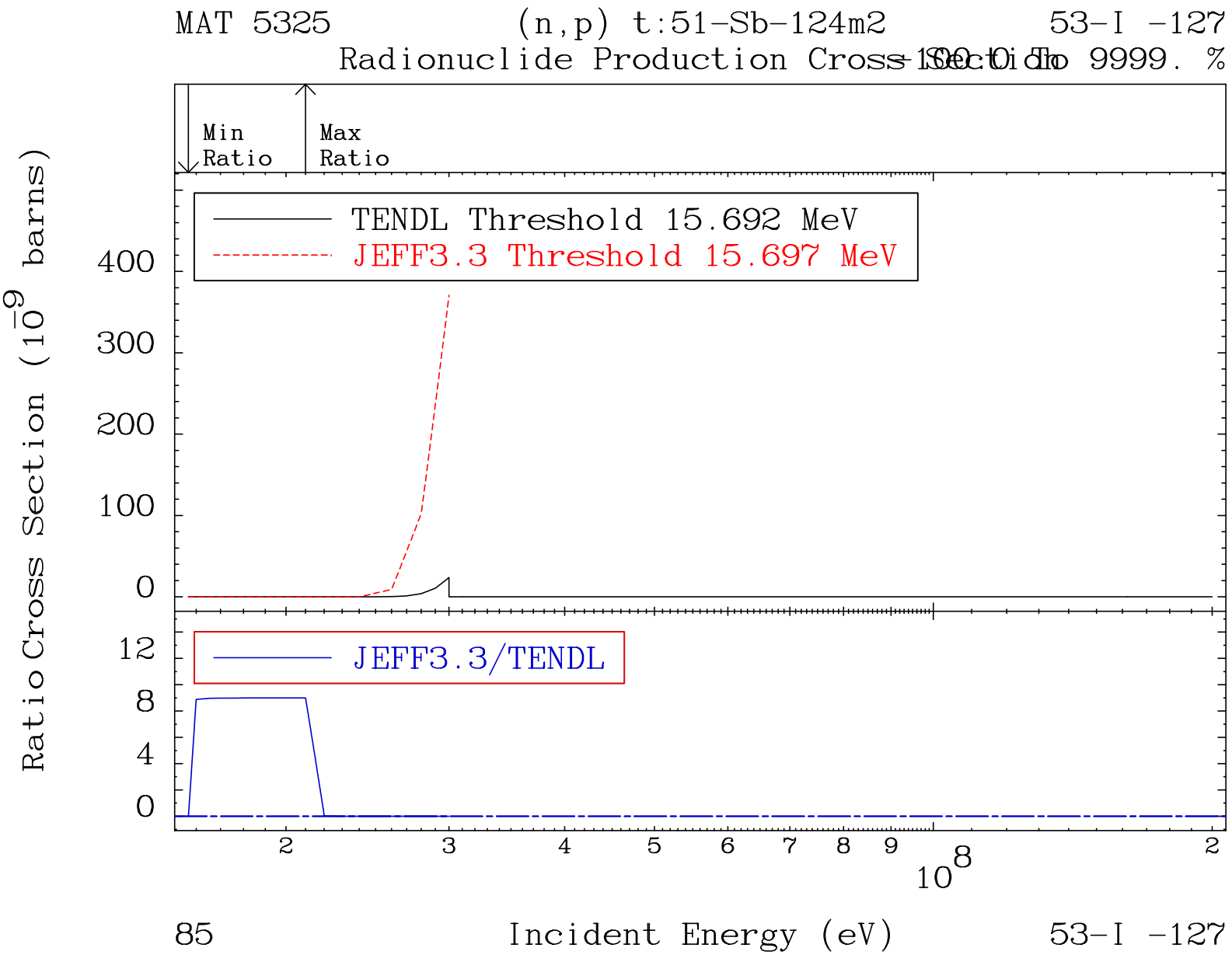

MAT 5325
(n,2p):51-Sb-126m2
53-I -127
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 9.2089 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^10
10^5
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
53-I -127


MAT 5325
(n,p) α:50-Sn-123g
53-I -127
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8334 MeV
JEFF3.3 Threshold 2.8325 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
81
53-I -127


MAT 5325
(n,p) α:50-Sn-123m1
53-I -127
Radionuclide Production Cross-Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.8582 MeV
JEFF3.3 Threshold 2.8573 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^10
10^5
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
82
Incident Energy (eV)
53-I -127


MAT 5325
(n,p) t:51-Sb-124g
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.655 MeV
JEFF3.3 Threshold 15.659 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
10
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
53-I -127


MAT 5325
(n,p) t:51-Sb-124m1
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.666 MeV
JEFF3.3 Threshold 15.670 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
150
100
50
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
53-I -127


MAT 5325
(n,p) t:51-Sb-124m2
53-I -127
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 15.692 MeV
JEFF3.3 Threshold 15.697 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
400
300
200
100
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
53-I -127