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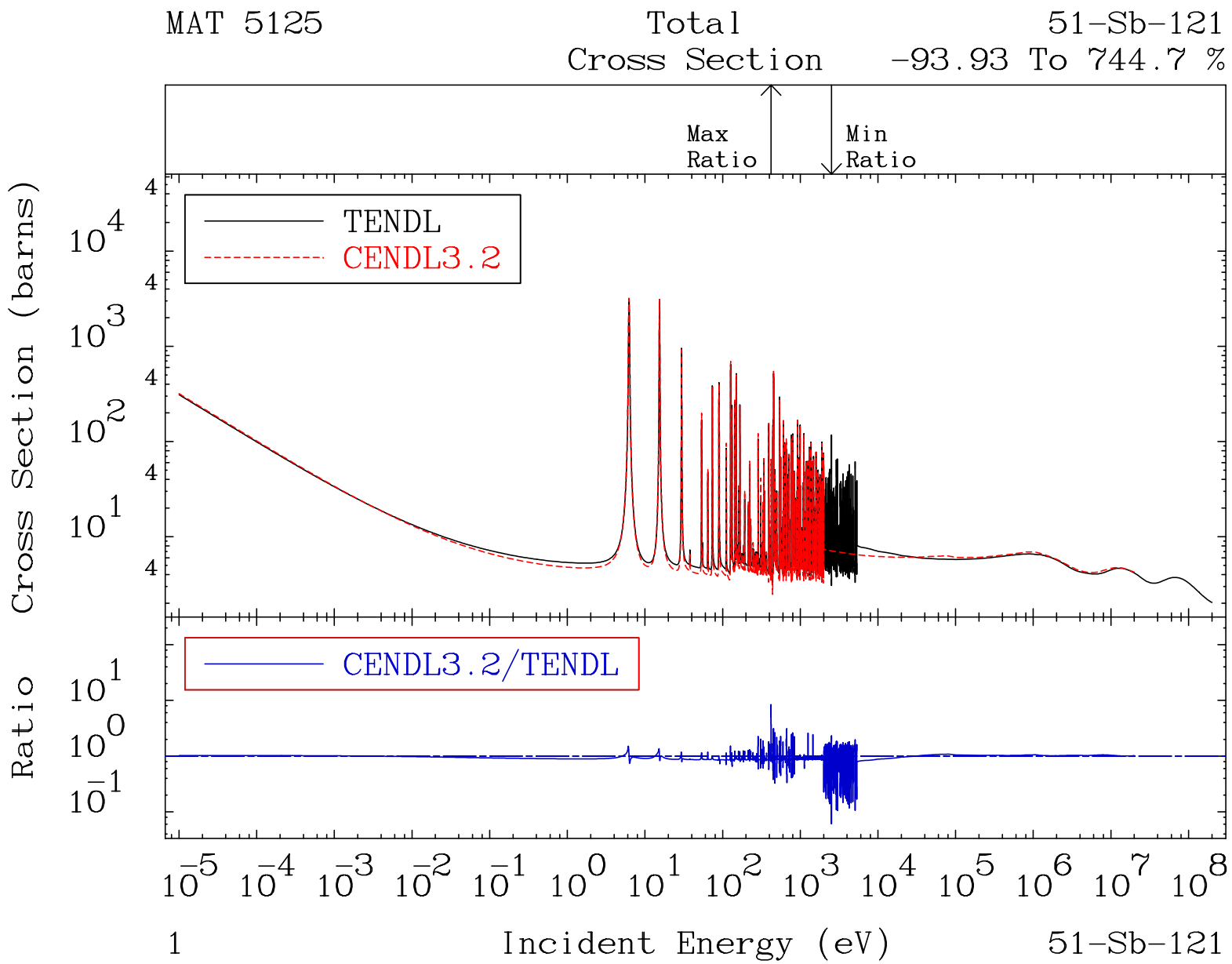
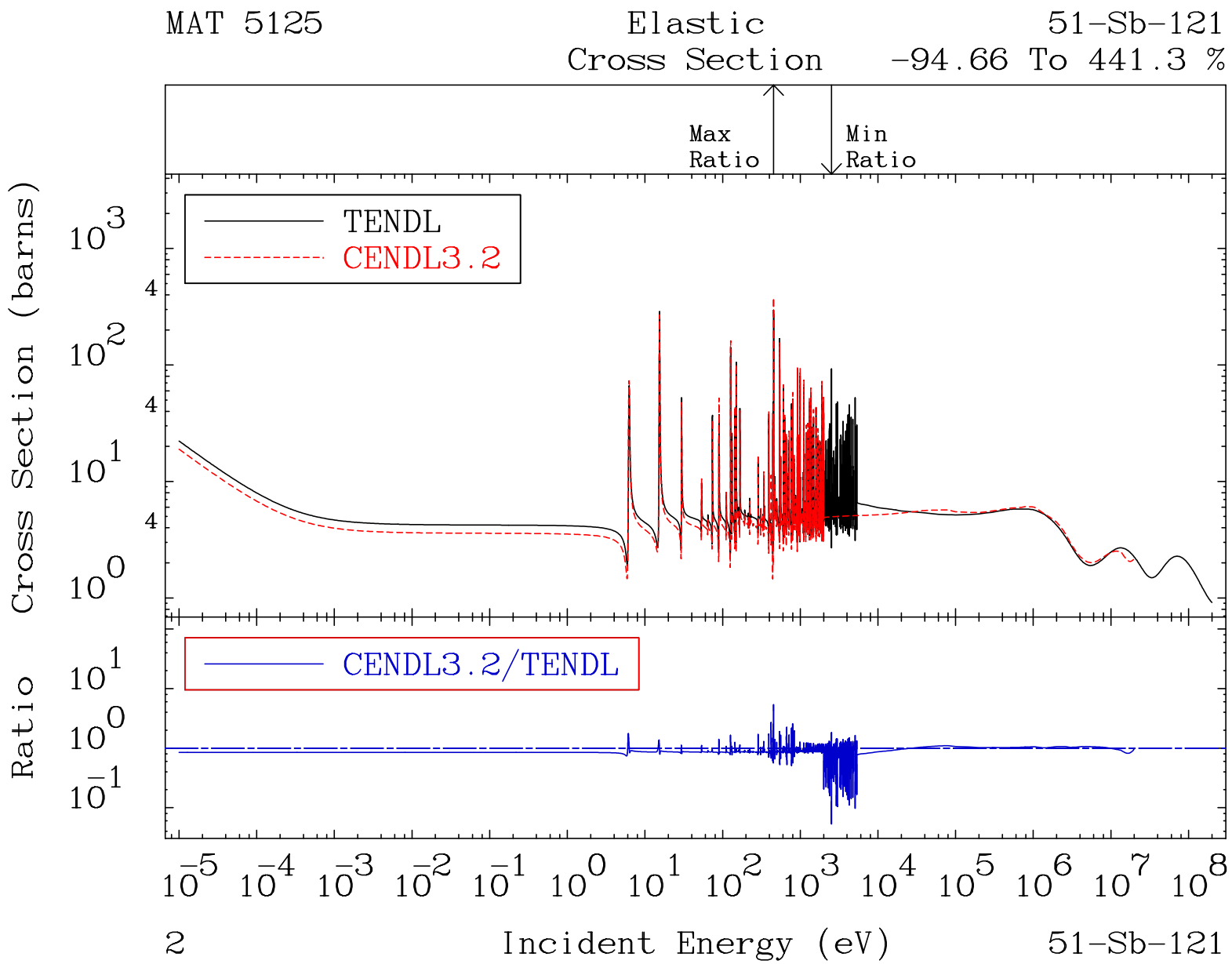
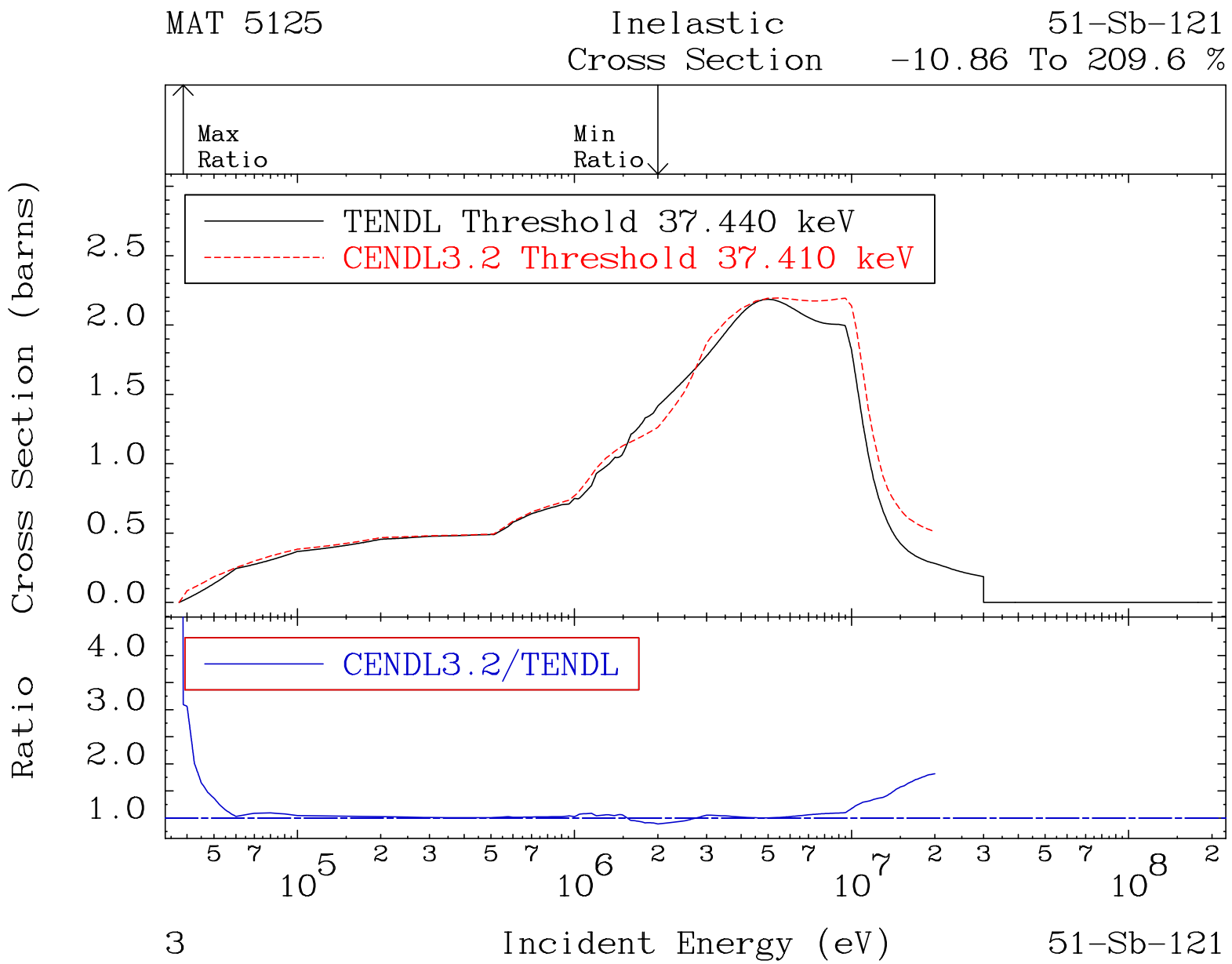
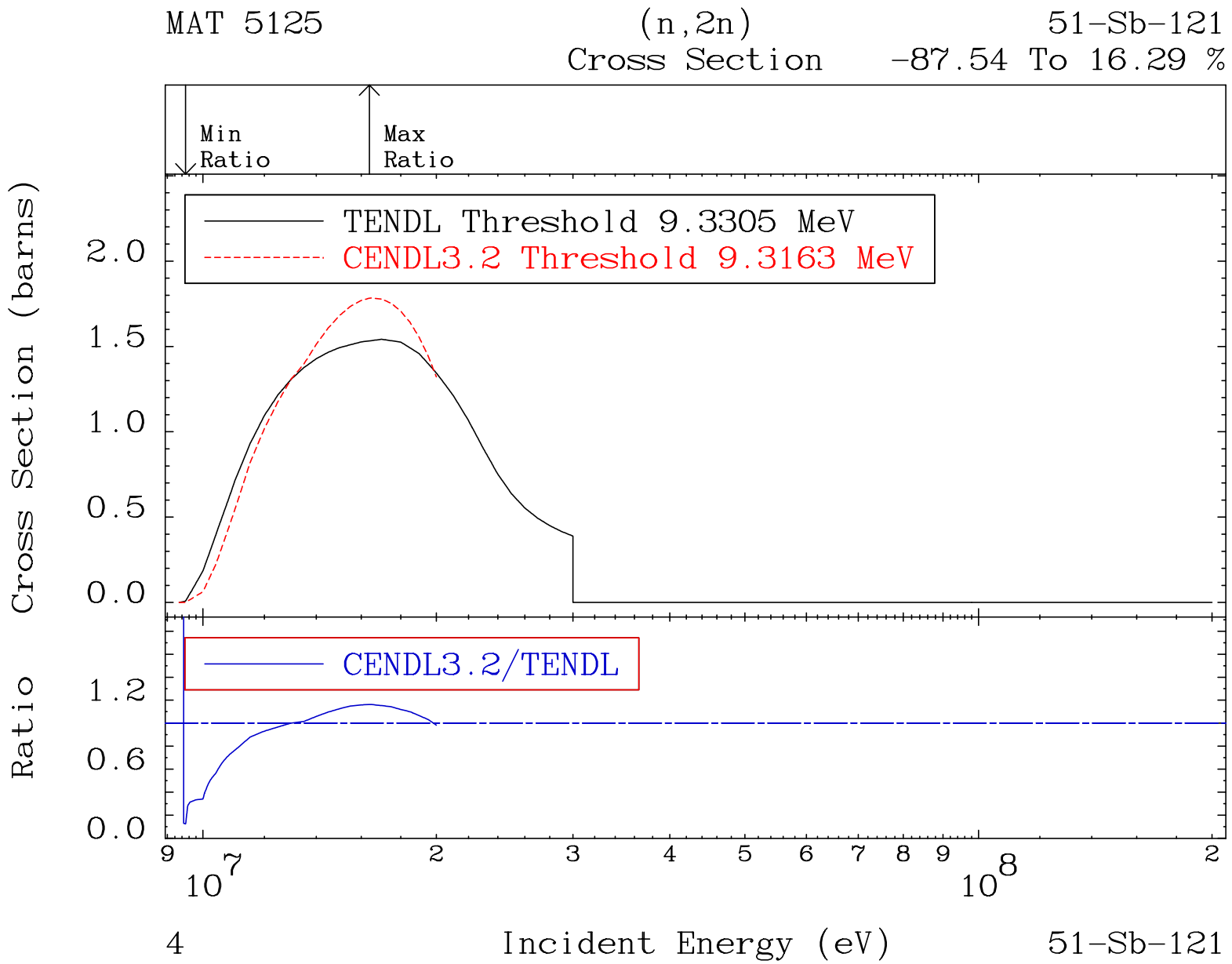
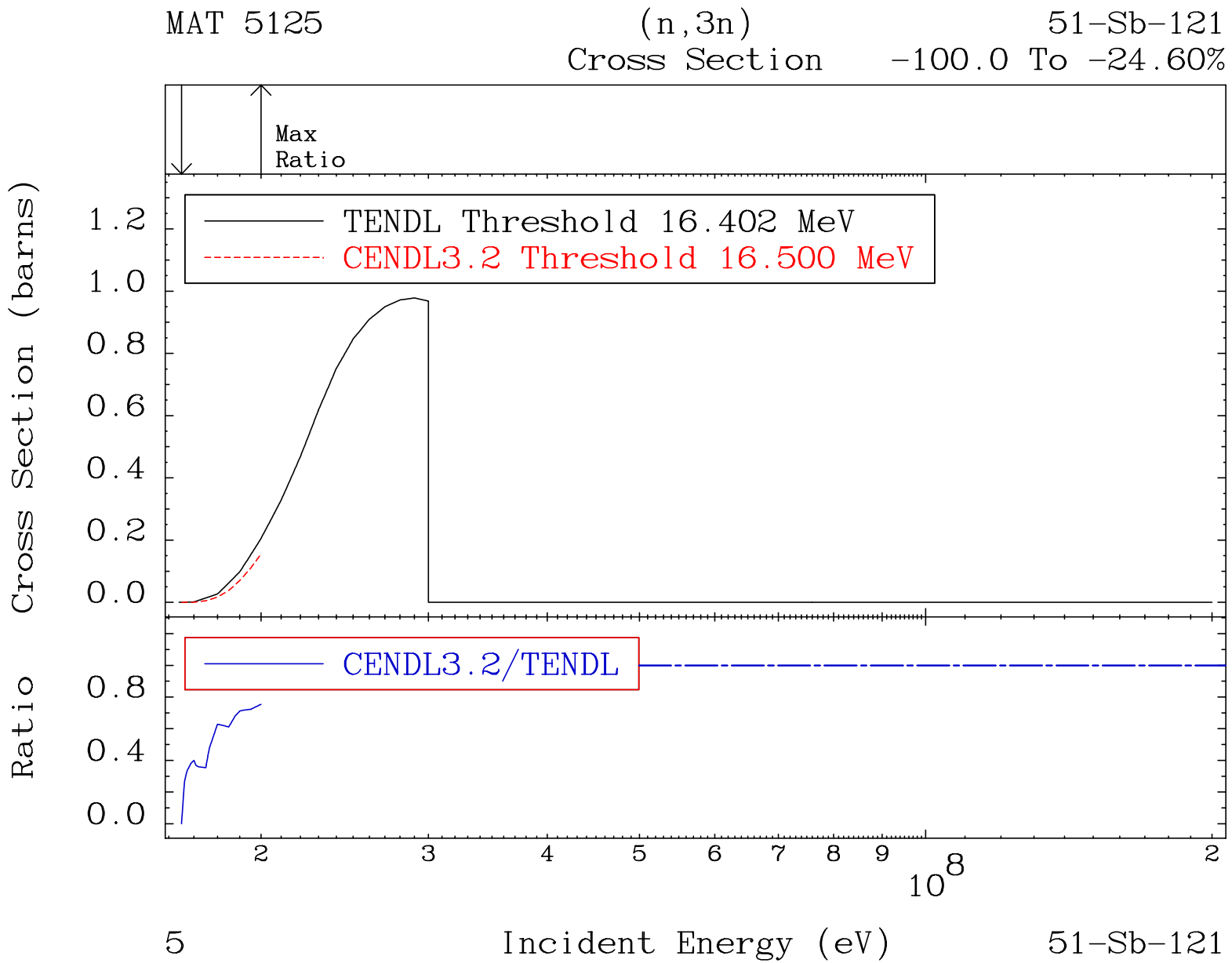
Press Mouse Button to Start

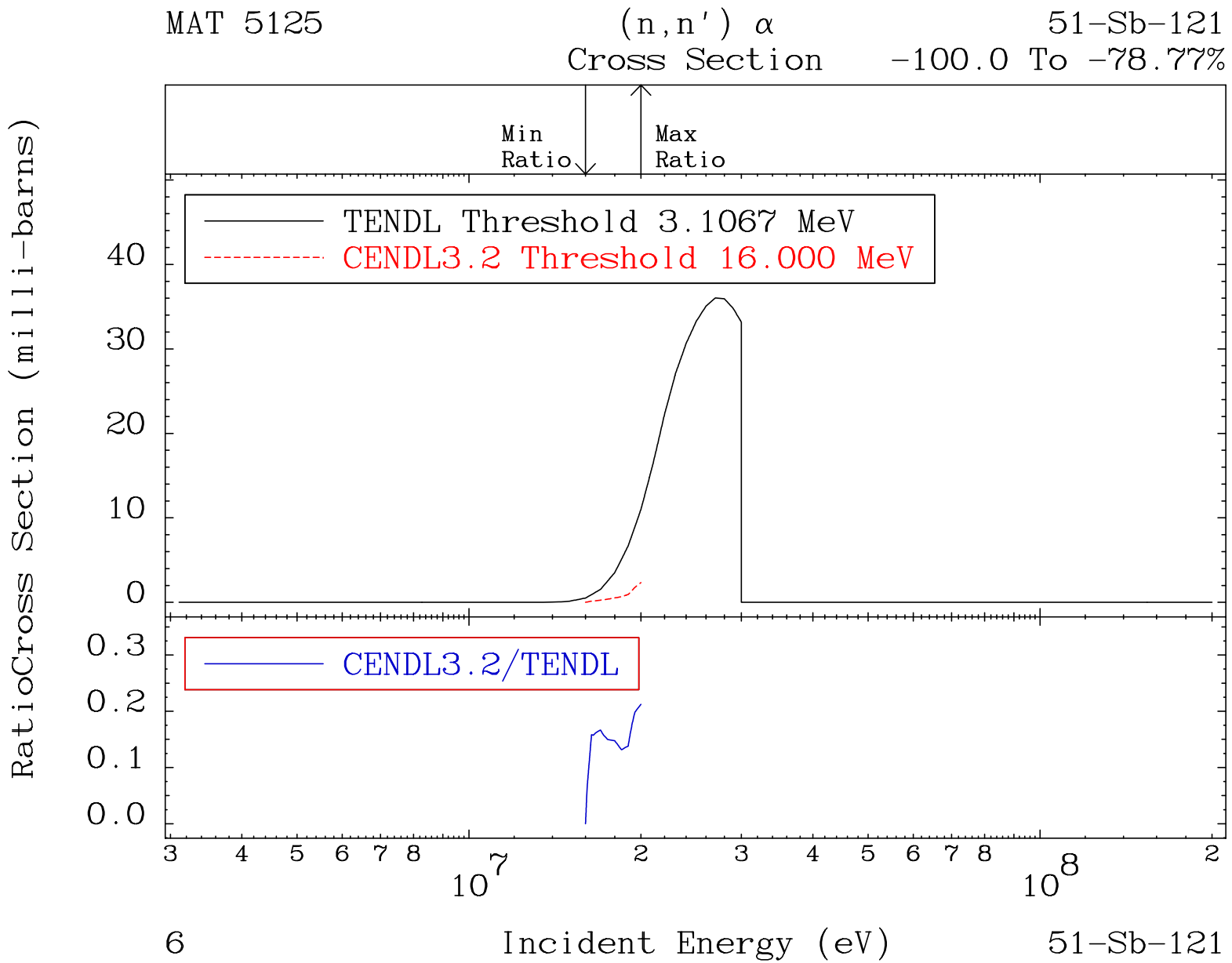

MAT 5125
Total
Cross Section
51-Sb-121
-93.93 To 744.7 %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
51-Sb-121

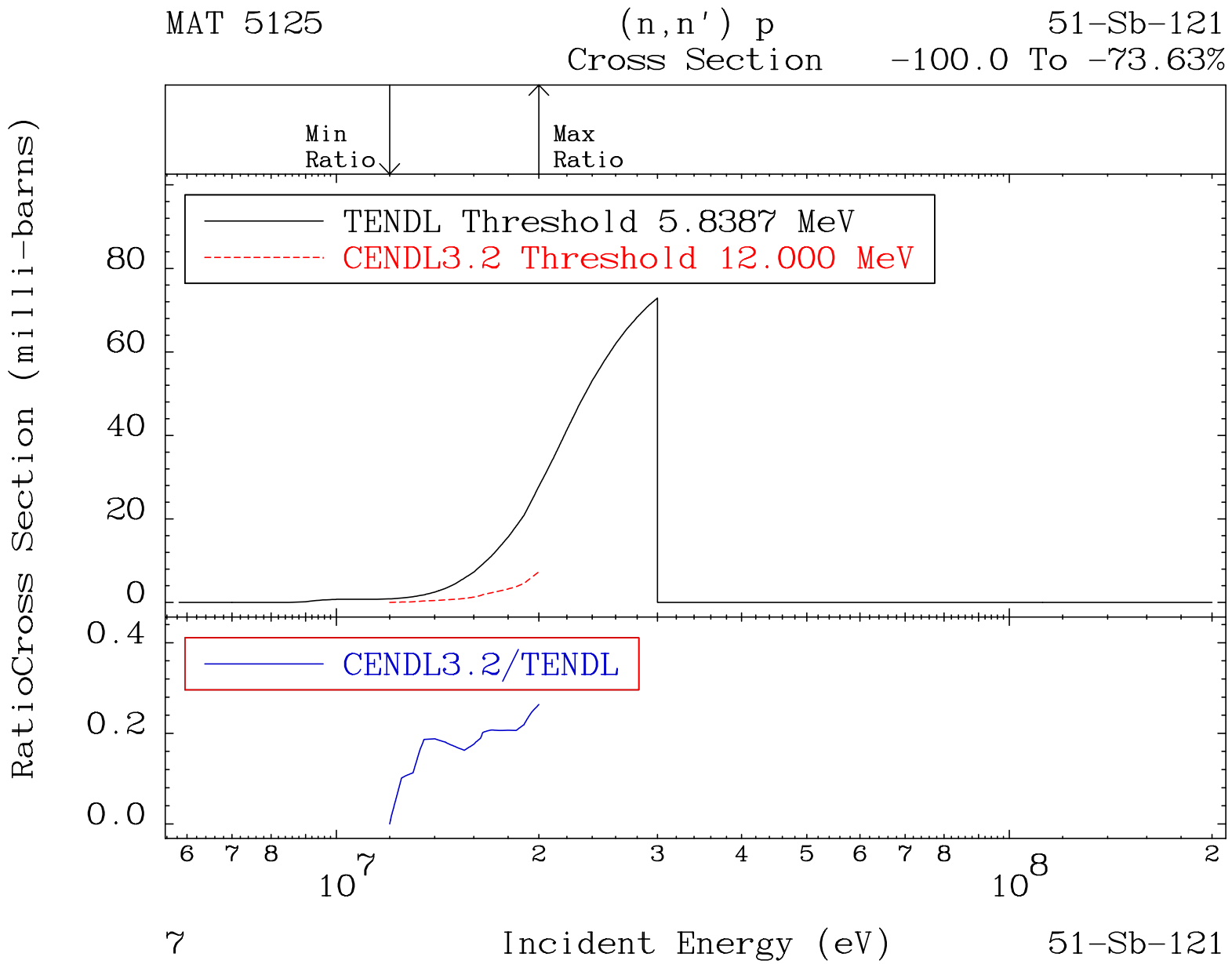

MAT 5125
Elastic
Cross Section
51-Sb-121
-94.66 To 441.3 %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
51-Sb-121

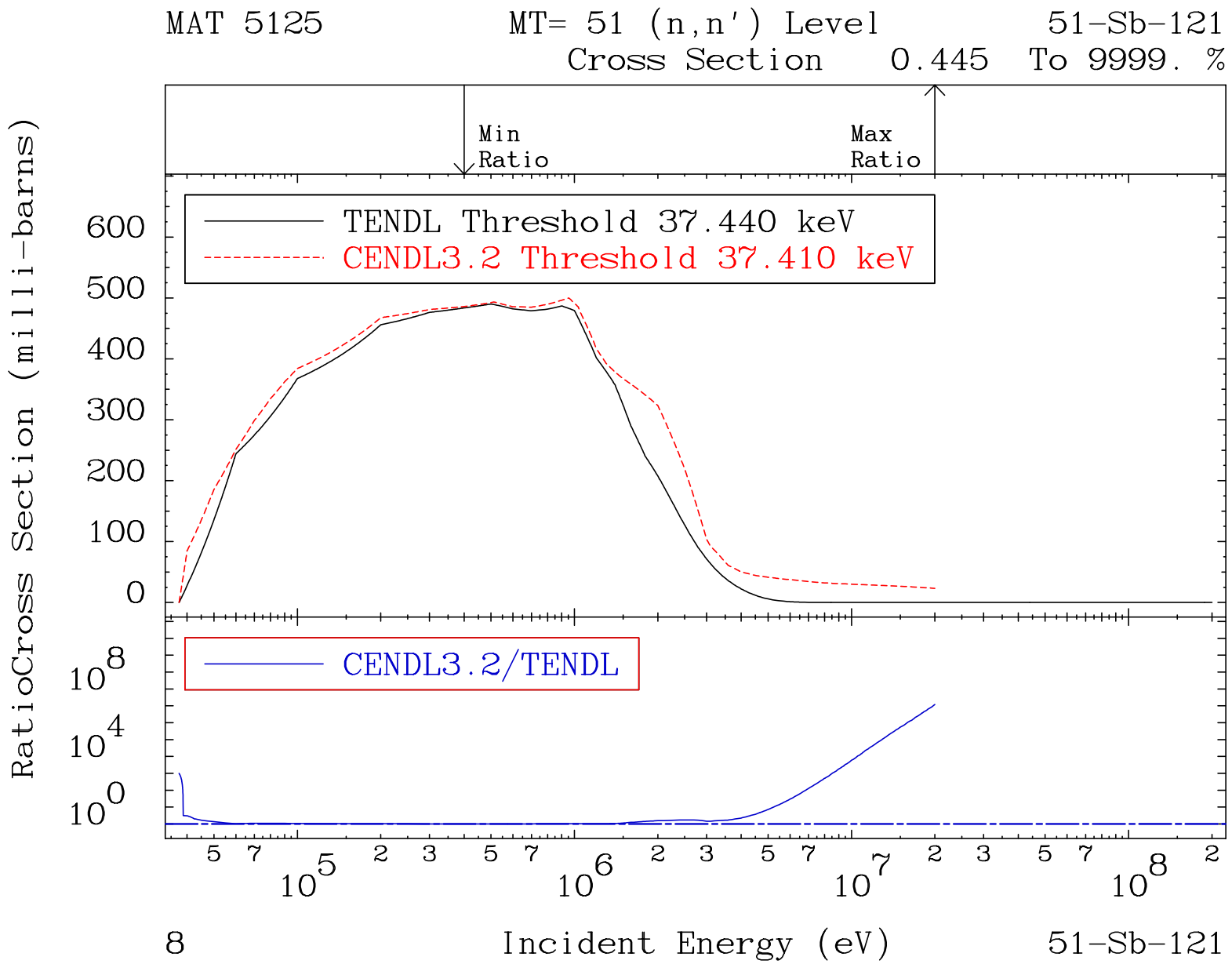

MAT 5125
Inelastic
Cross Section
51-Sb-121
-10.86 To 209.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 37.440 keV
CENDL3.2 Threshold 37.410 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
51-Sb-121

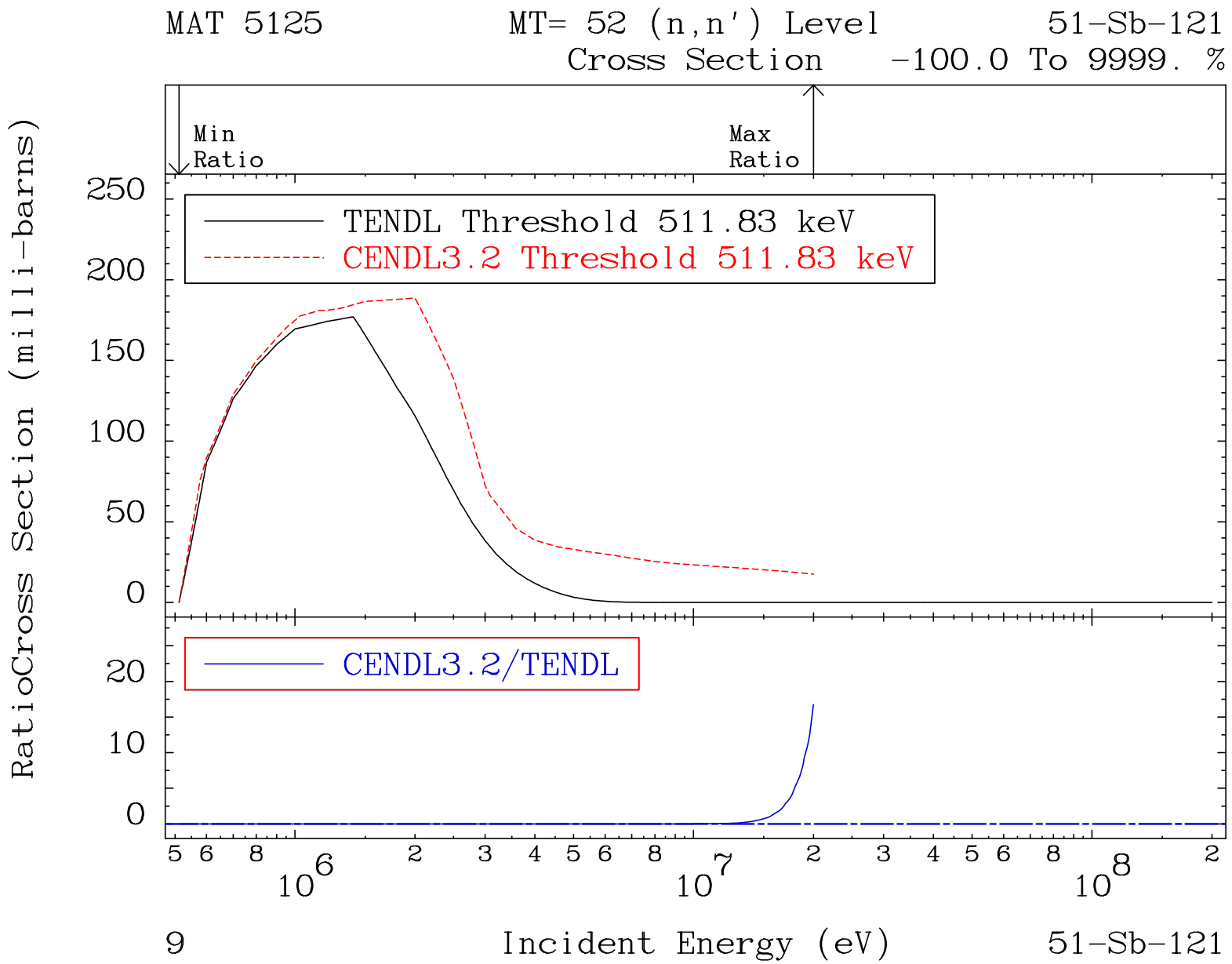

MAT 5125
(n,2n)
Cross Section
51-Sb-121
-87.54 To 16.29 %
Min Ratio
Max Ratio
TENDL Threshold 9.3305 MeV
CENDL3.2 Threshold 9.3163 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
51-Sb-121

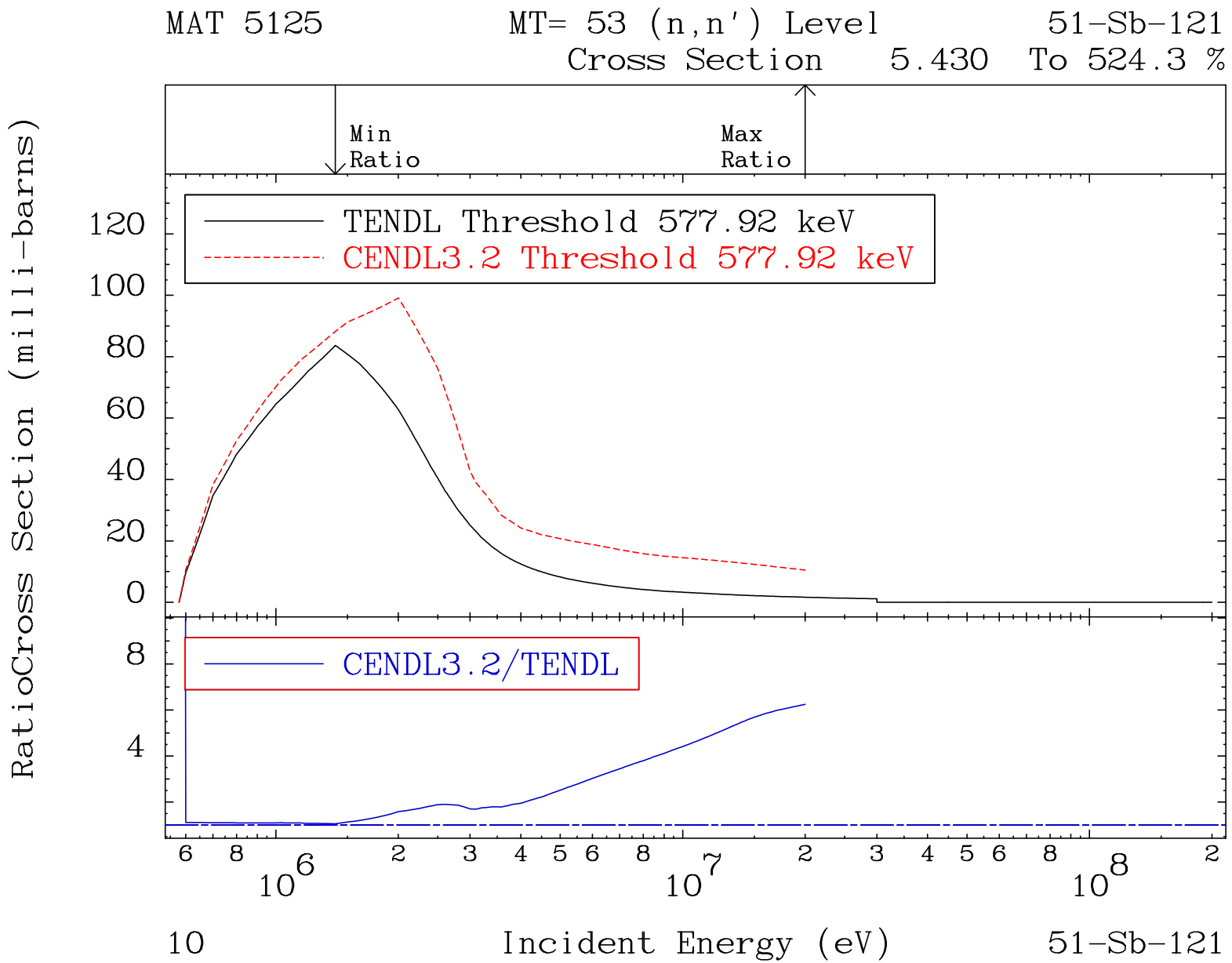

MAT 5125
(n,3n)
Cross Section
51-Sb-121
-100.0 To -24.60%
Max
Ratio
TENDL Threshold 16.402 MeV
CENDL3.2 Threshold 16.500 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
51-Sb-121

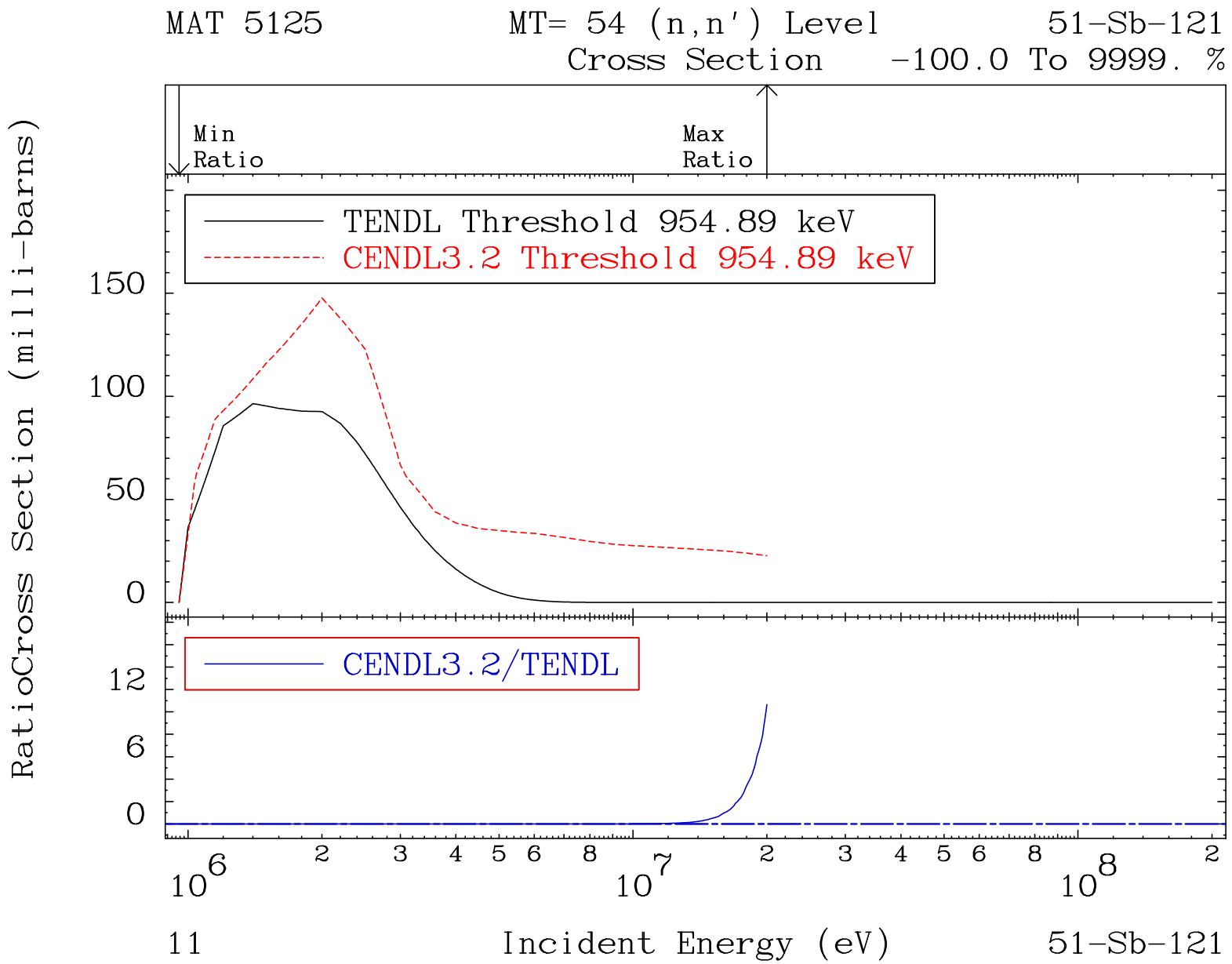

MAT 5125
(n,n') α
Cross Section
51-Sb-121
-100.0 To -78.77%
Min Ratio
Max Ratio
TENDL Threshold 3.1067 MeV
CENDL3.2 Threshold 16.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.3
0.2
0.1
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
6
51-Sb-121

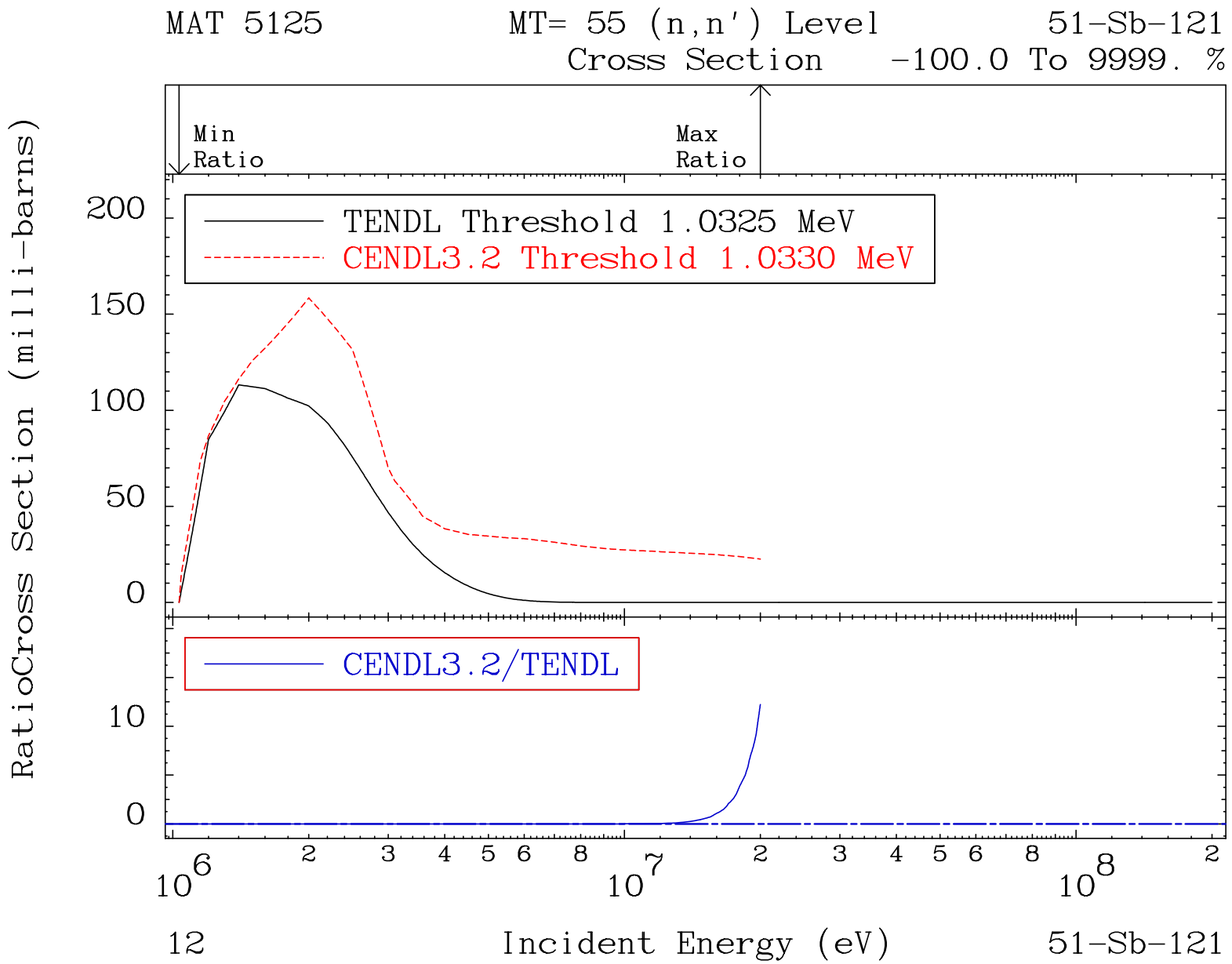

MAT 5125
(n,n') p
Cross Section
51-Sb-121
-100.0 To -73.63%
Min Ratio
Max Ratio
TENDL Threshold 5.8387 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.4
0.2
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
51-Sb-121

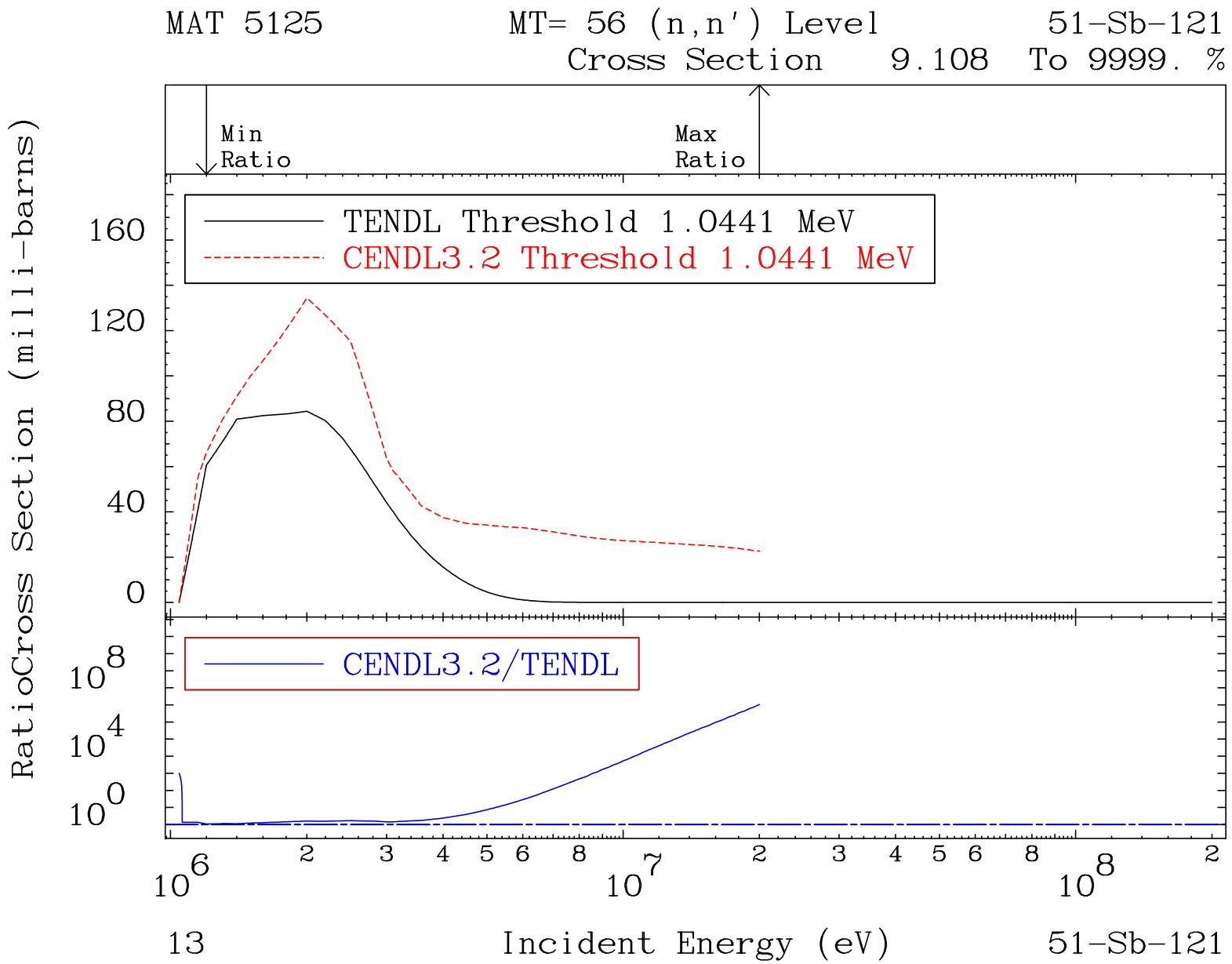

MAT 5125
MT= 51 (n,n') Level
51-Sb-121
Cross Section 0.445 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 37.440 keV
CENDL3.2 Threshold 37.410 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10^8
10^4
10^0
5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
8
Incident Energy (eV)
51-Sb-121

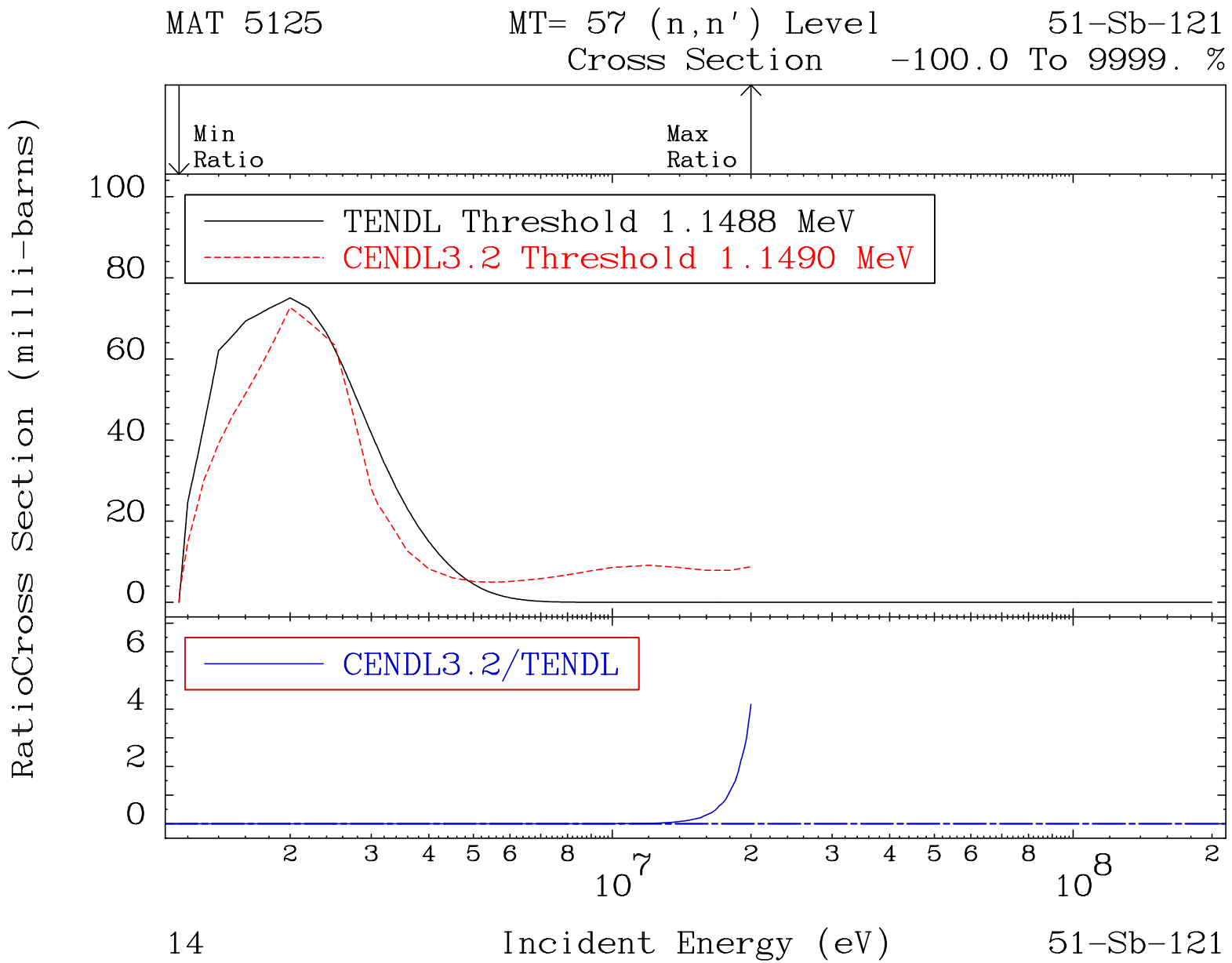

MAT 5125
MT= 52 (n,n') Level
51-Sb-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 511.83 keV
CENDL3.2 Threshold 511.83 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
51-Sb-121

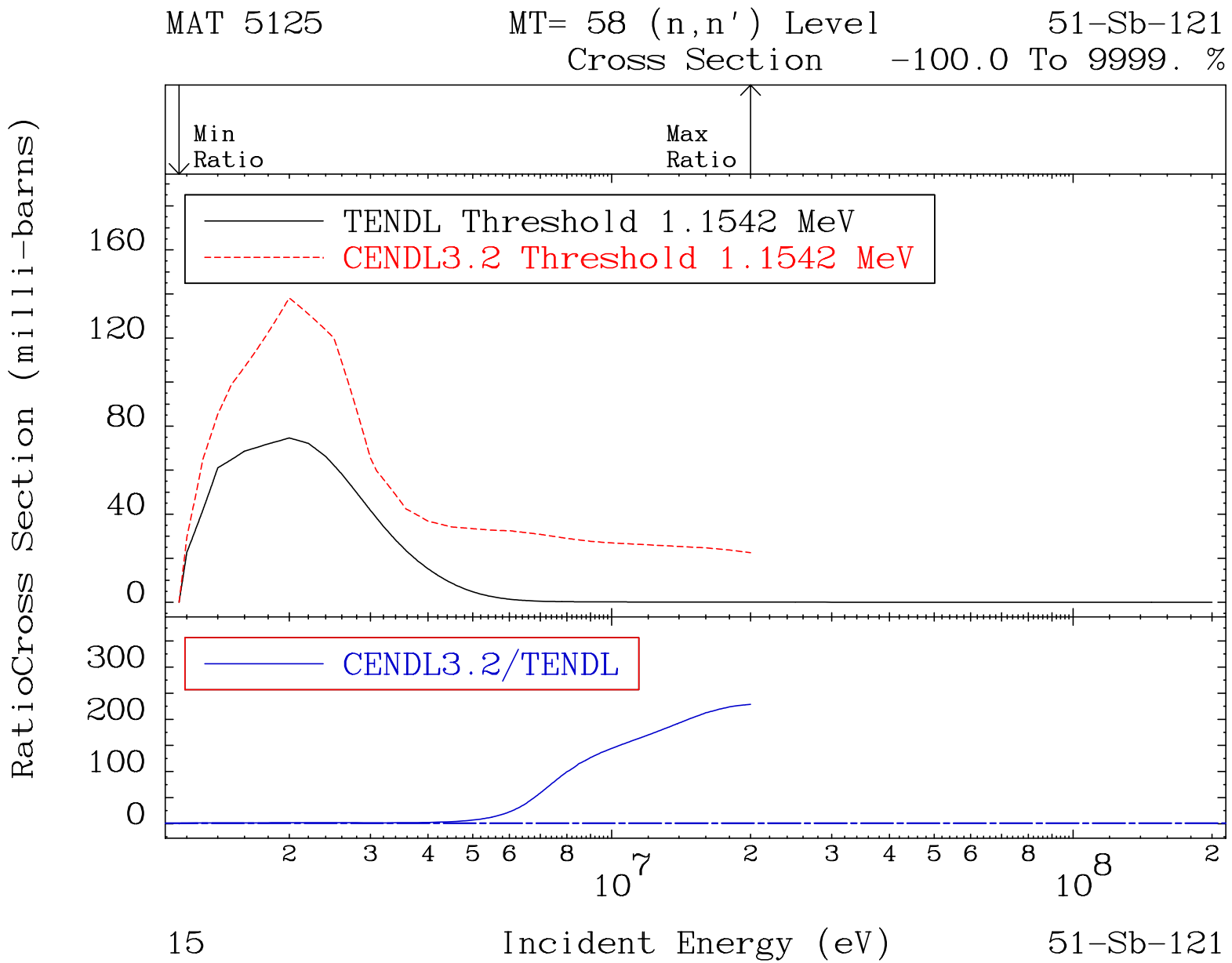

MAT 5125
MT= 53 (n,n') Level
51-Sb-121
Cross Section 5.430 To 524.3 %
Min Ratio
Max Ratio
TENDL Threshold 577.92 keV
CENDL3.2 Threshold 577.92 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
10
Incident Energy (eV)
51-Sb-121

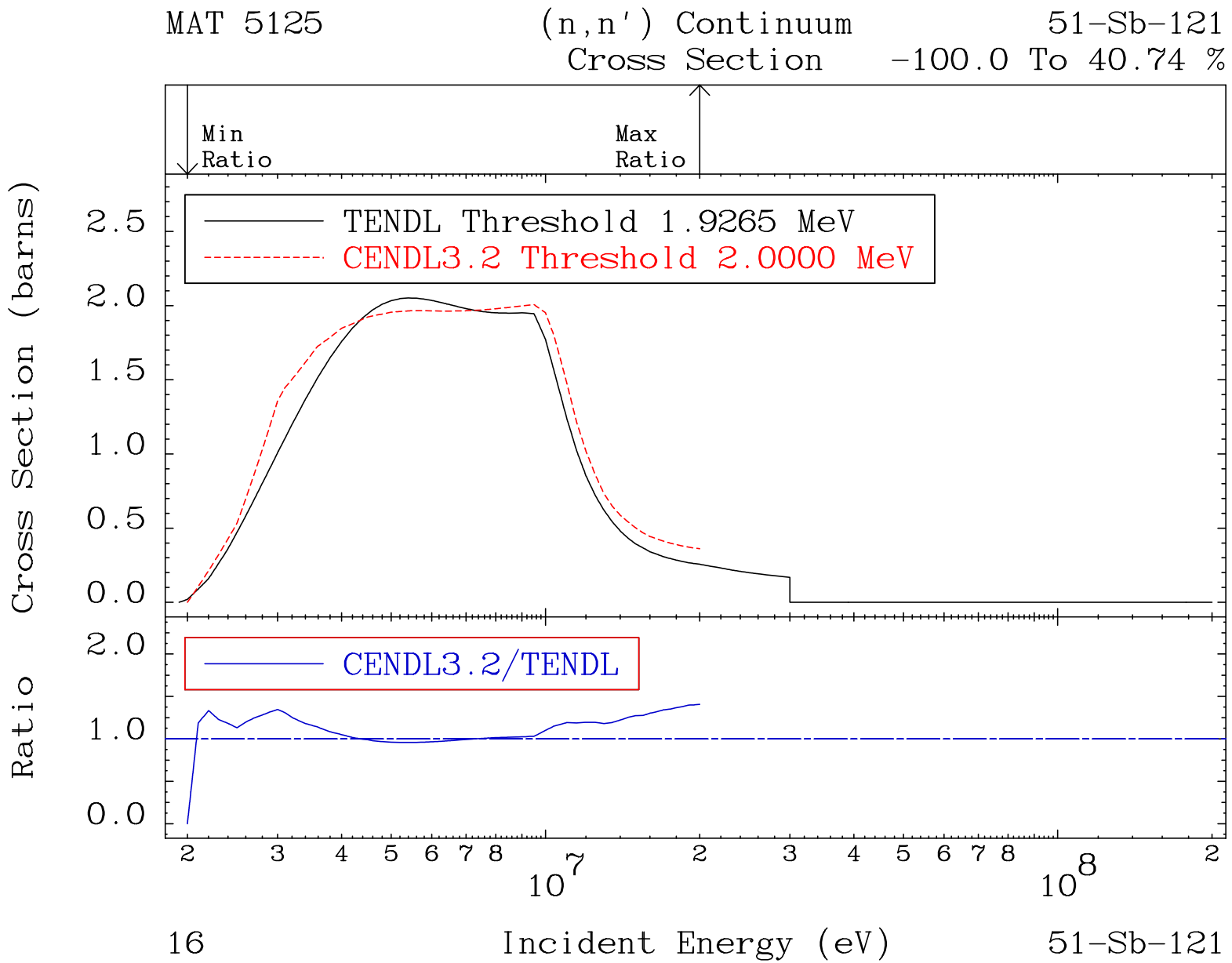

MAT 5125
MT= 54 (n,n') Level
51-Sb-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 954.89 keV
CENDL3.2 Threshold 954.89 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
150
100
50
0
12
6
0
10^6
10^7
10^8
2 3 4 5 6 8
11
Incident Energy (eV)
51-Sb-121

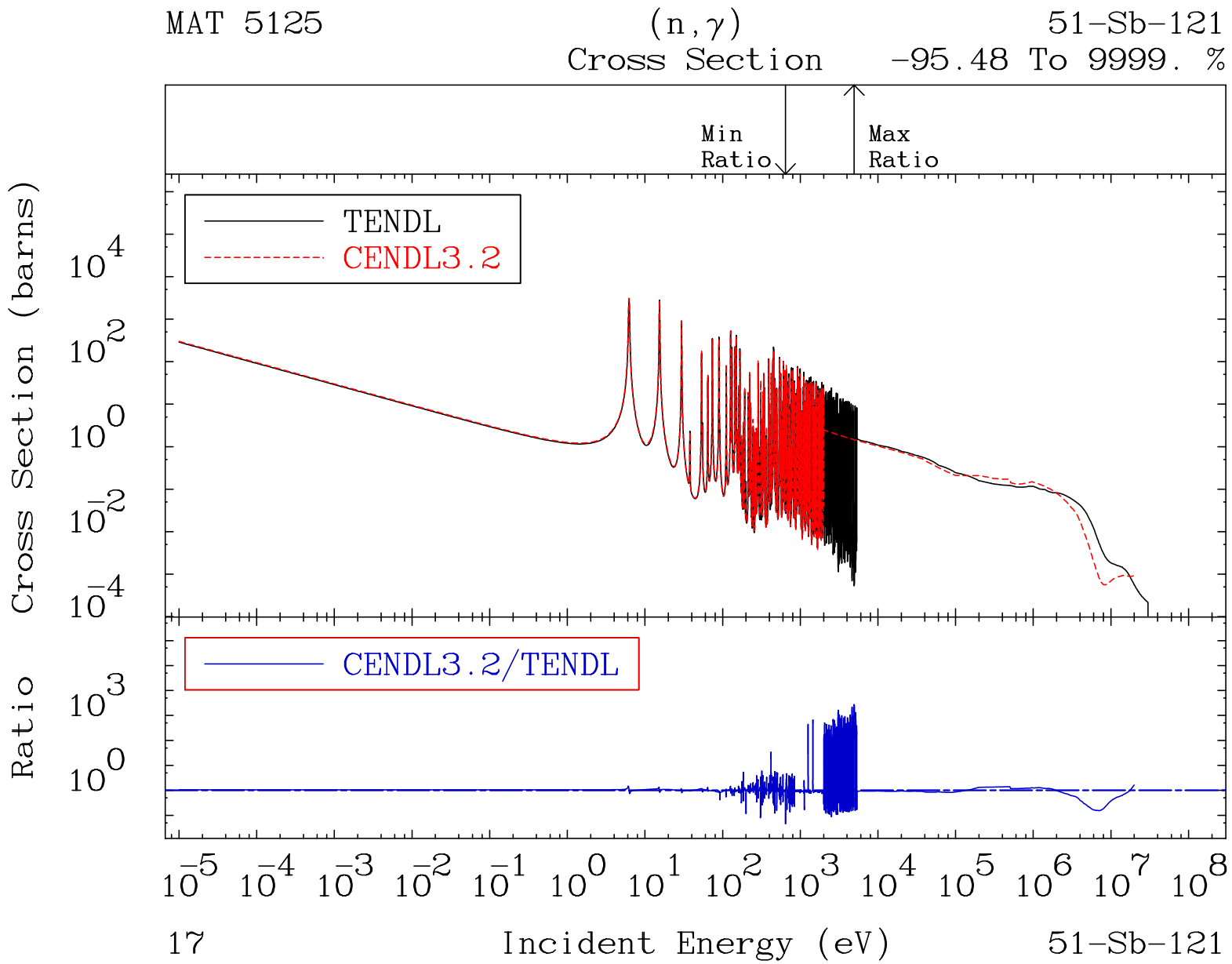

MAT 5125
MT= 55 (n,n') Level
51-Sb-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0325 MeV
CENDL3.2 Threshold 1.0330 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10
0
10^6
10^7
10^8
2 3 4 5 6 8
12
Incident Energy (eV)
51-Sb-121

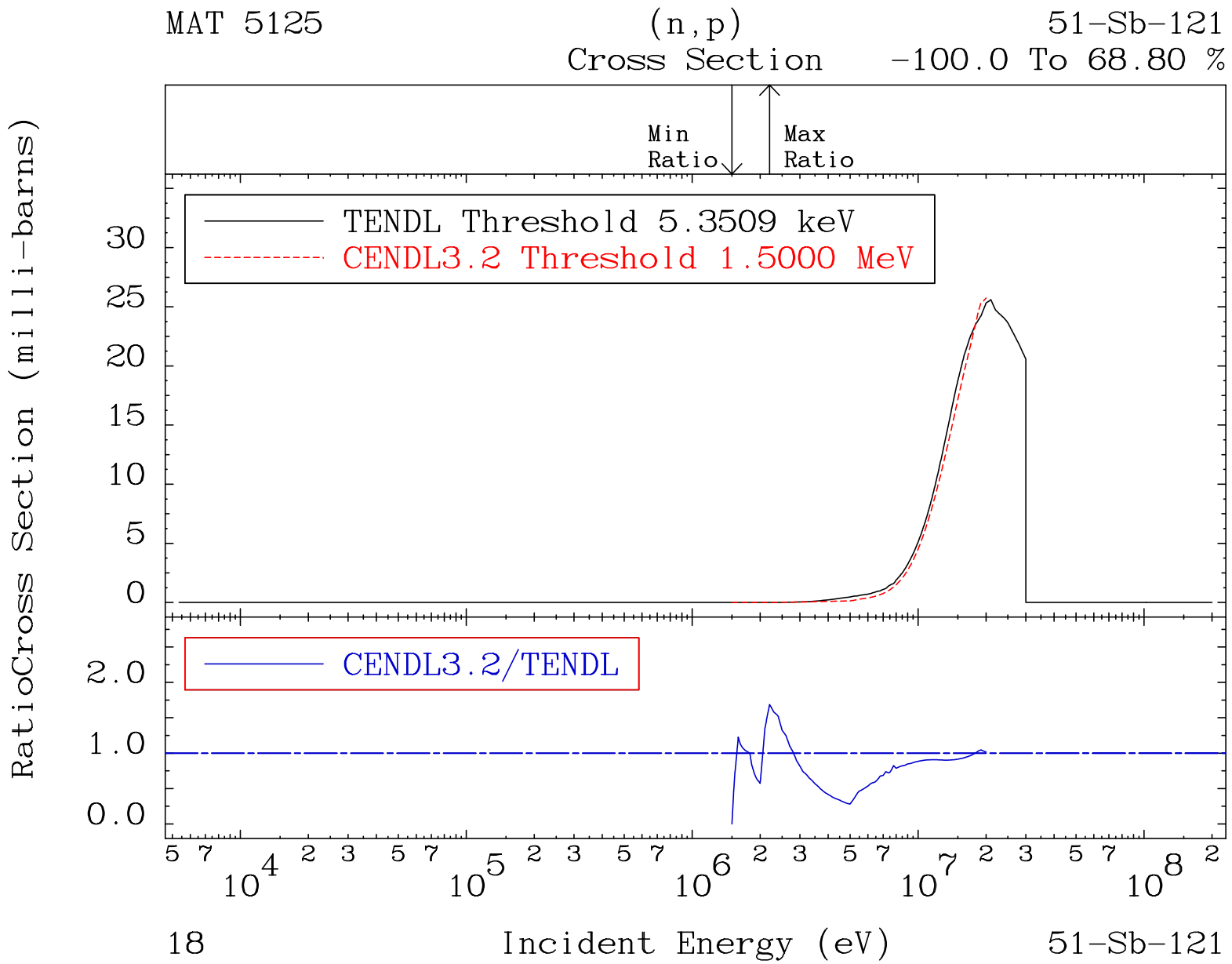

MAT 5125
MT= 56 (n,n') Level
51-Sb-121
Cross Section 9.108 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0441 MeV
CENDL3.2 Threshold 1.0441 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^8
10^4
10^0
10^6
10^7
10^8
2 3 4 5 6 8
13
Incident Energy (eV)
51-Sb-121

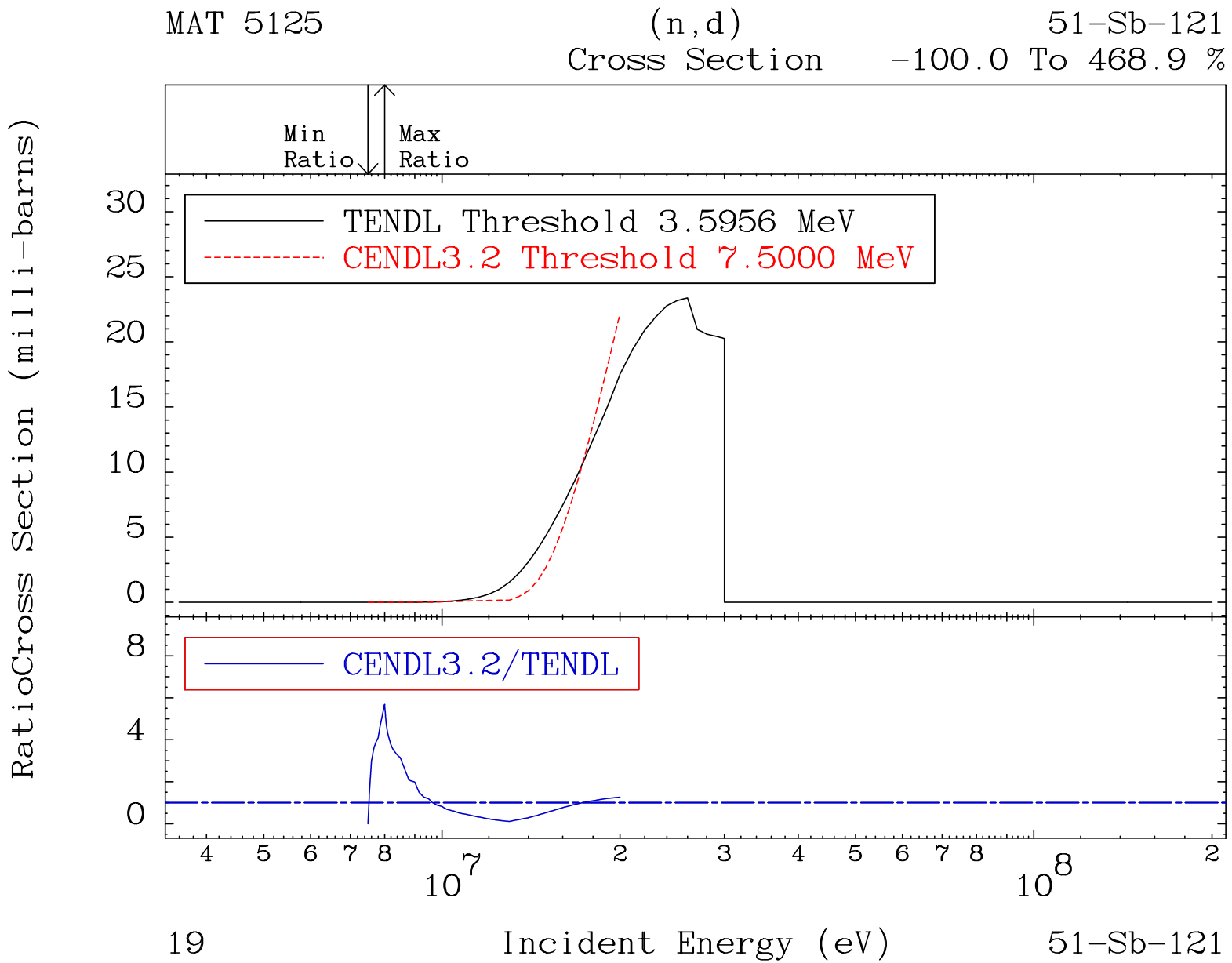

MAT 5125
MT= 57 (n,n') Level
51-Sb-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1488 MeV
CENDL3.2 Threshold 1.1490 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
51-Sb-121

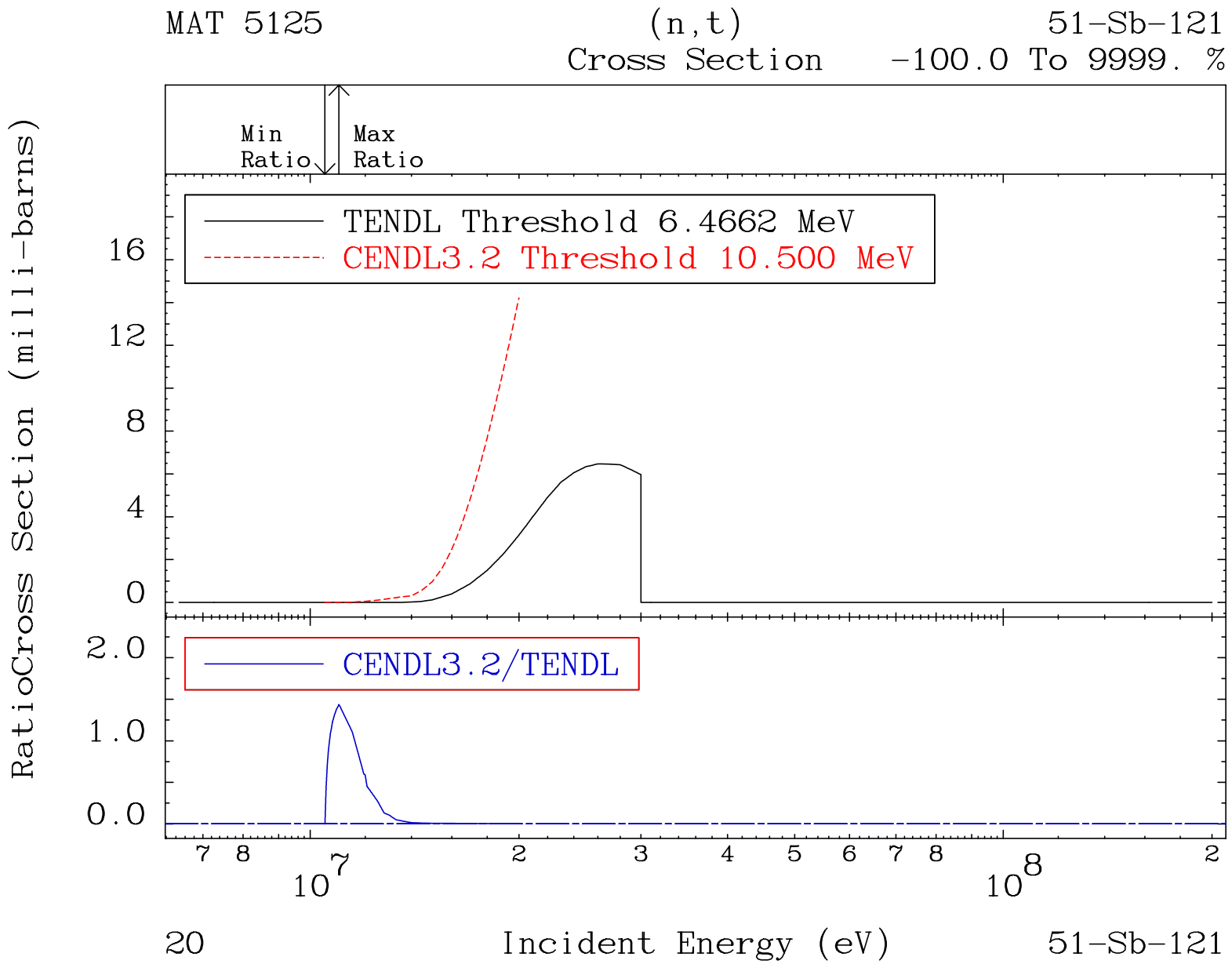

MAT 5125
MT= 58 (n,n') Level
51-Sb-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1542 MeV
CENDL3.2 Threshold 1.1542 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
51-Sb-121

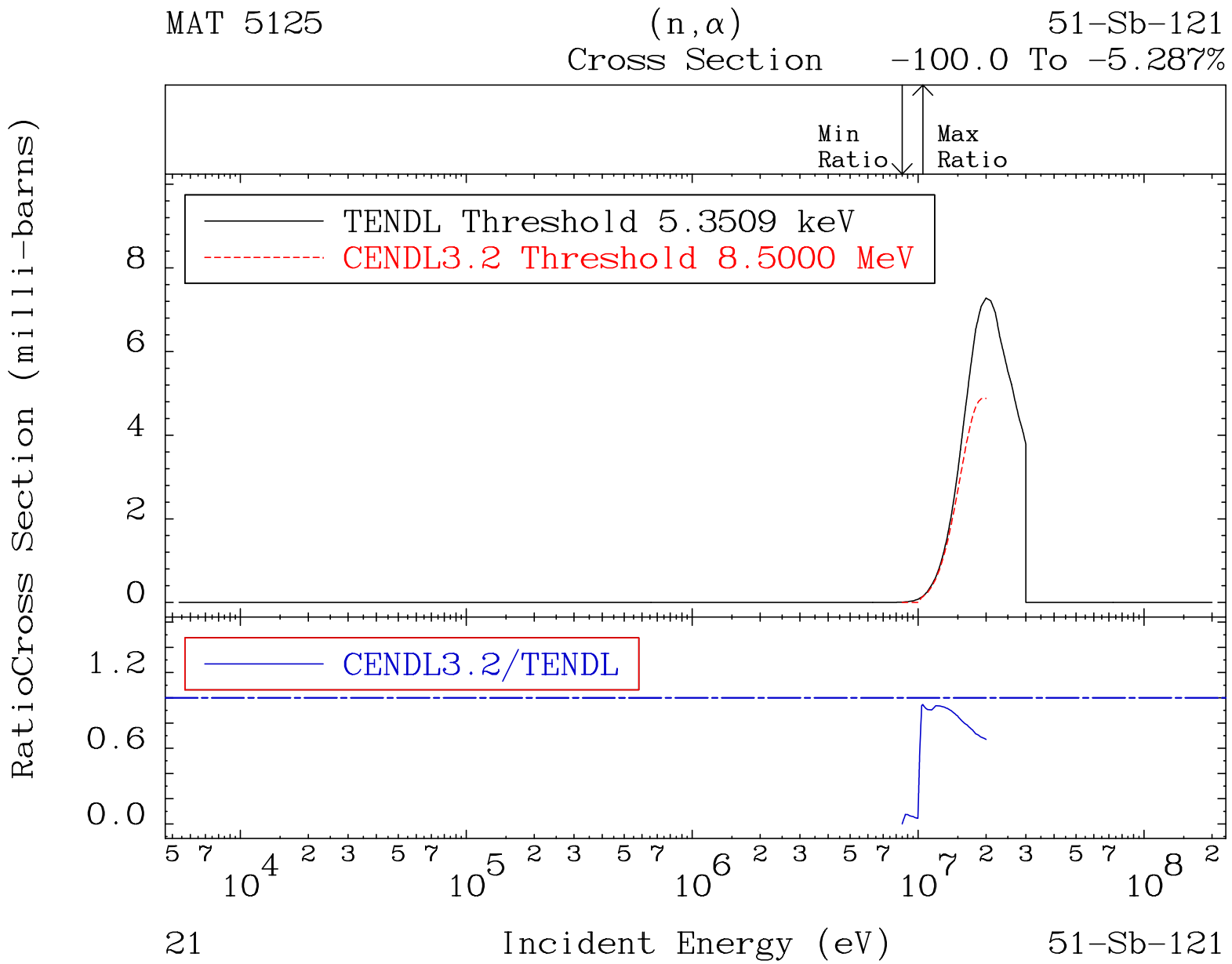

MAT 5125
(n,n') Continuum
Cross Section
51-Sb-121
-100.0 To 40.74 %
Min Ratio
Max Ratio
TENDL Threshold 1.9265 MeV
CENDL3.2 Threshold 2.0000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
16
51-Sb-121

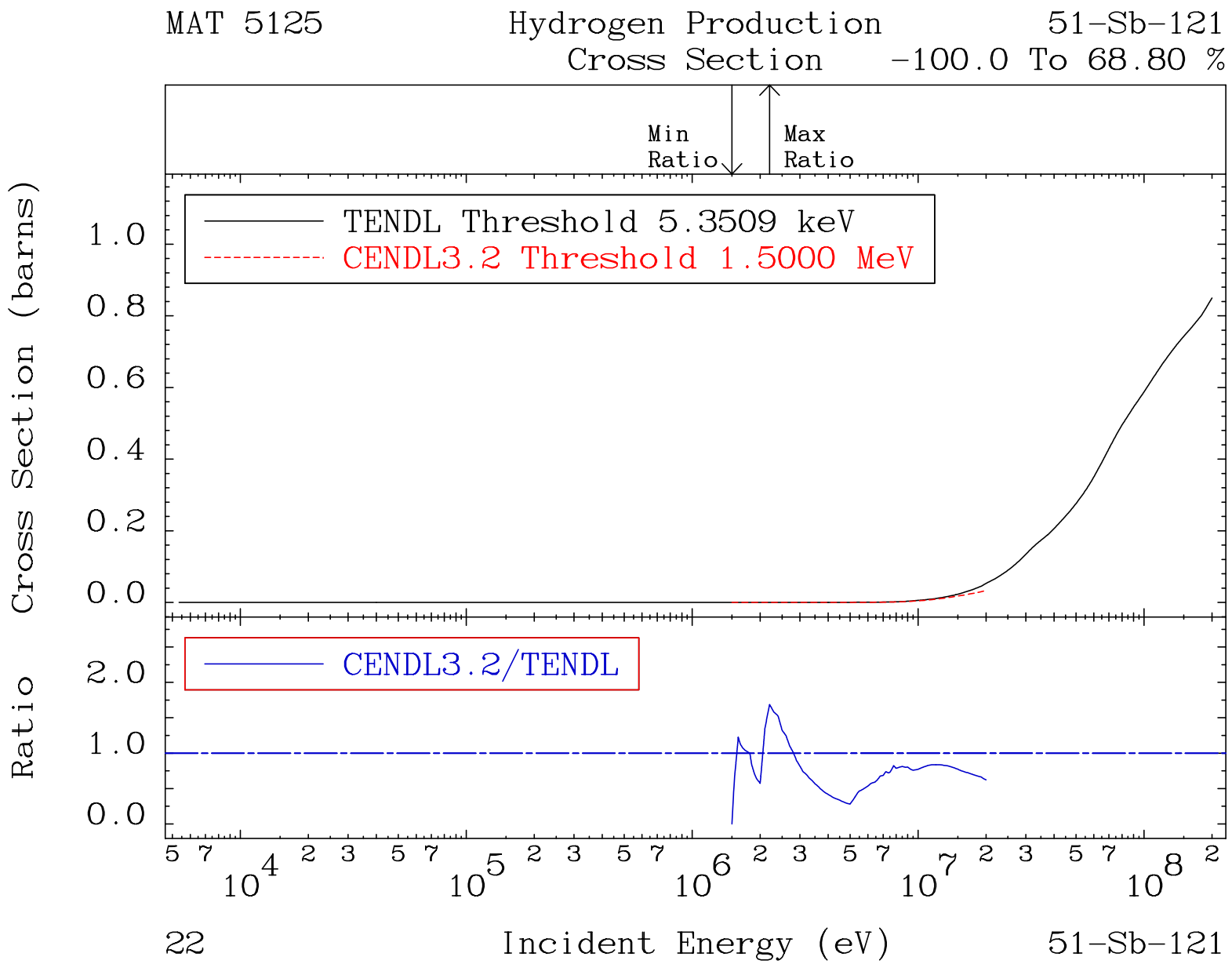

MAT 5125
(n,γ)
Cross Section
51-Sb-121
-95.48 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
17
51-Sb-121

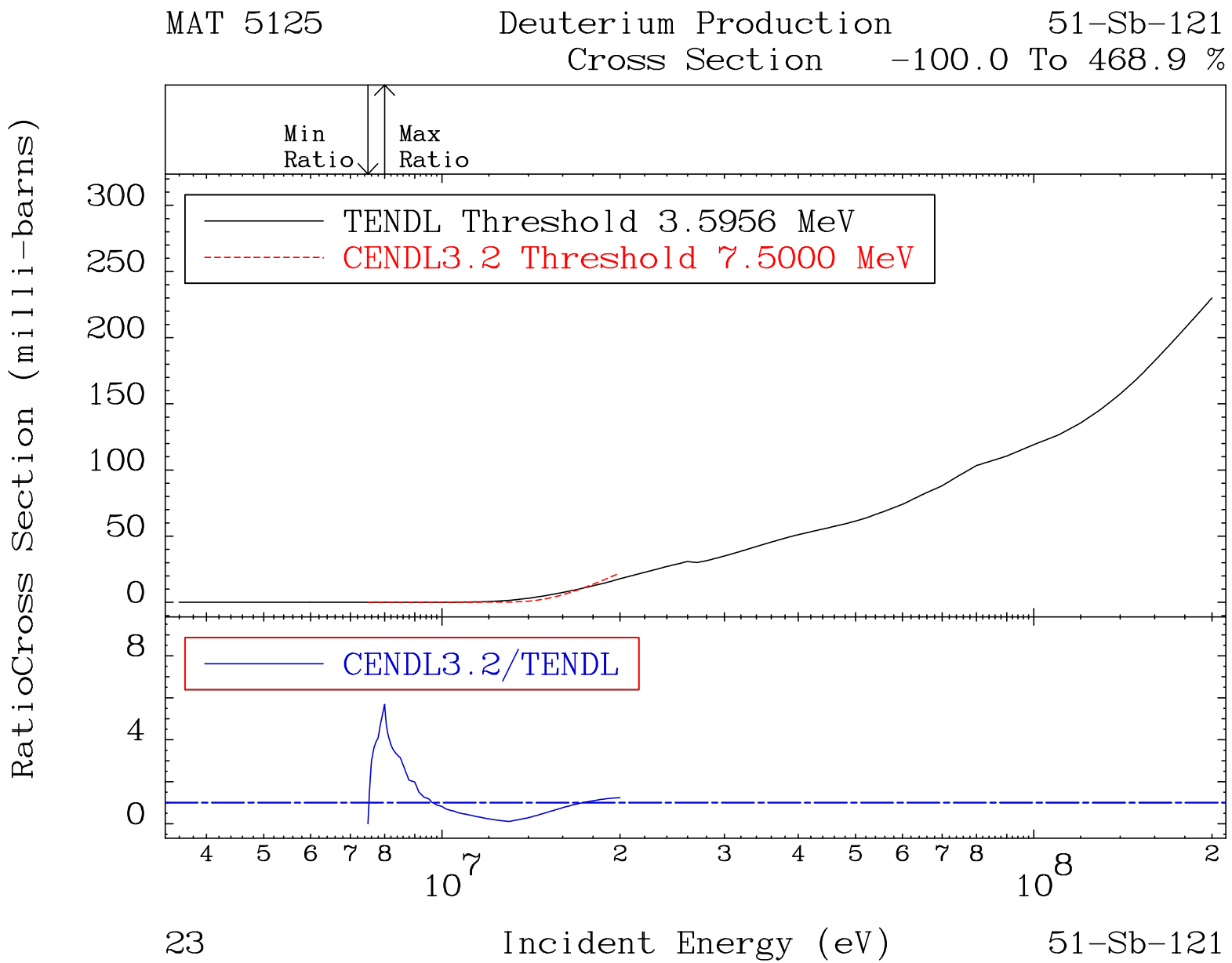

MAT 5125
(n,p)
Cross Section
51-Sb-121
-100.0 To 68.80 %
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
CENDL3.2 Threshold 1.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
18
Incident Energy (eV)
51-Sb-121

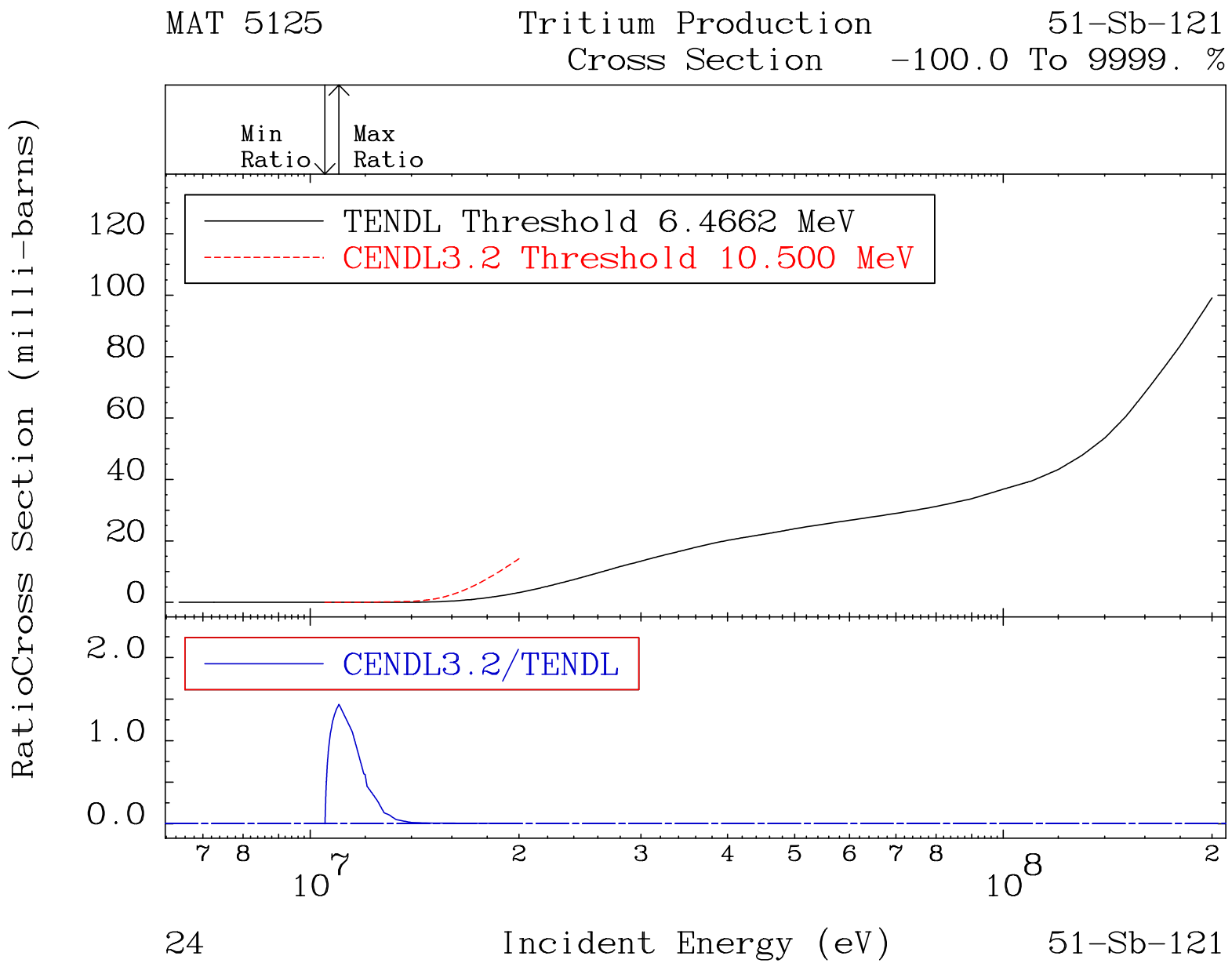

MAT 5125
(n,d)
Cross Section
51-Sb-121
-100.0 To 468.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.5956 MeV
CENDL3.2 Threshold 7.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
51-Sb-121

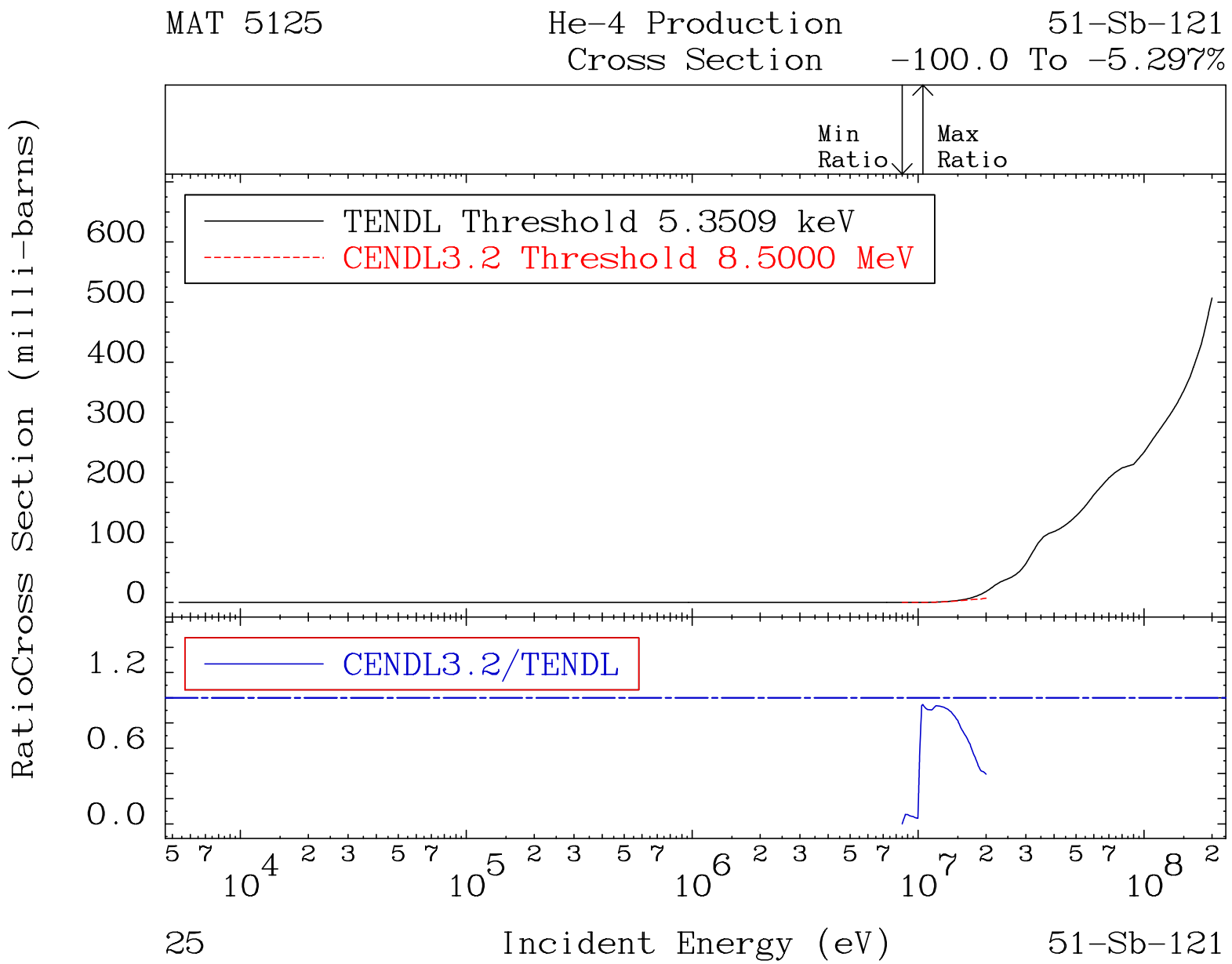

MAT 5125
(n,t)
51-Sb-121
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4662 MeV
CENDL3.2 Threshold 10.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
51-Sb-121

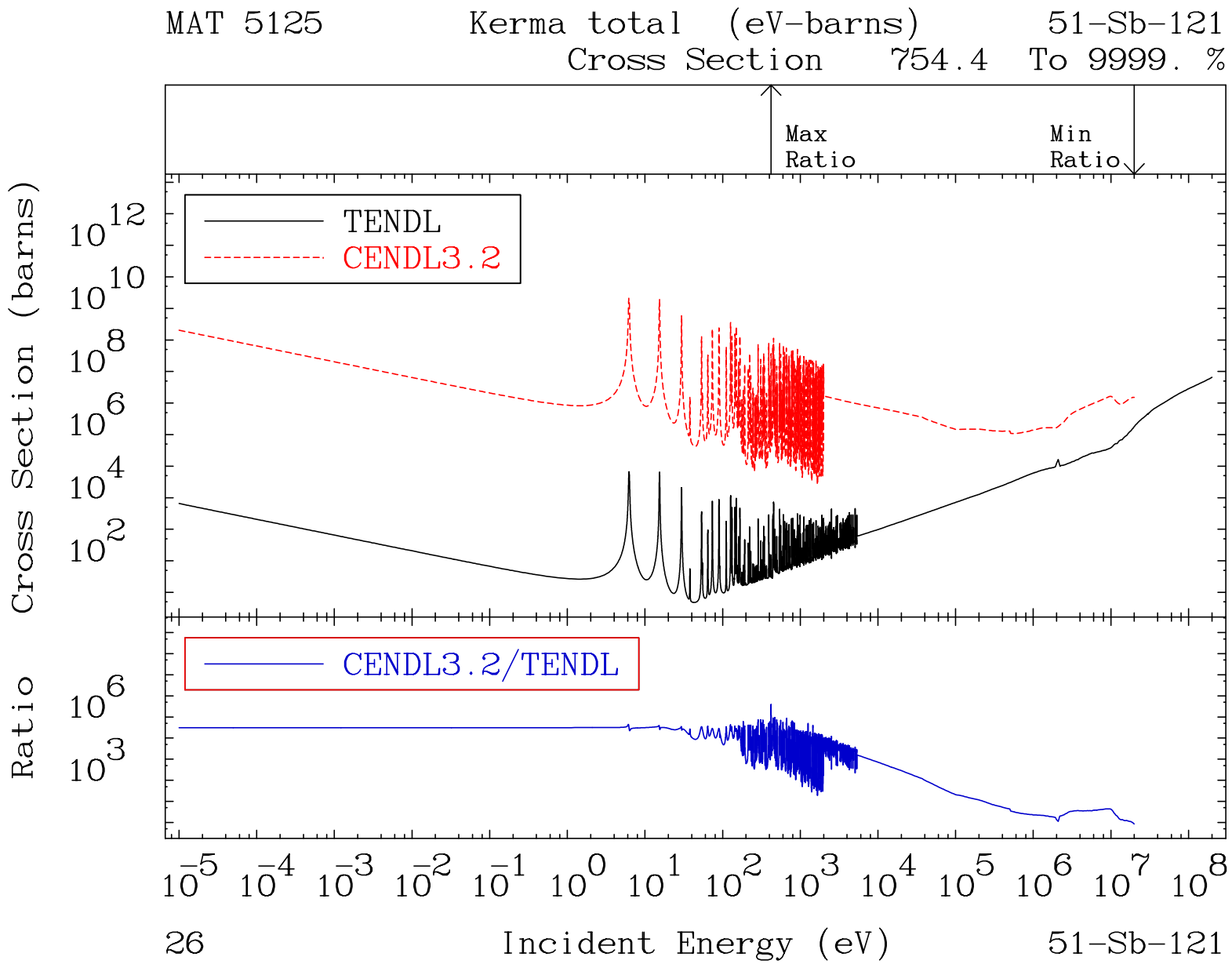

MAT 5125
(n,α)
Cross Section
51-Sb-121
-100.0 To -5.287%
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
CENDL3.2 Threshold 8.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0.0
0.6
1.2
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
21
Incident Energy (eV)
51-Sb-121

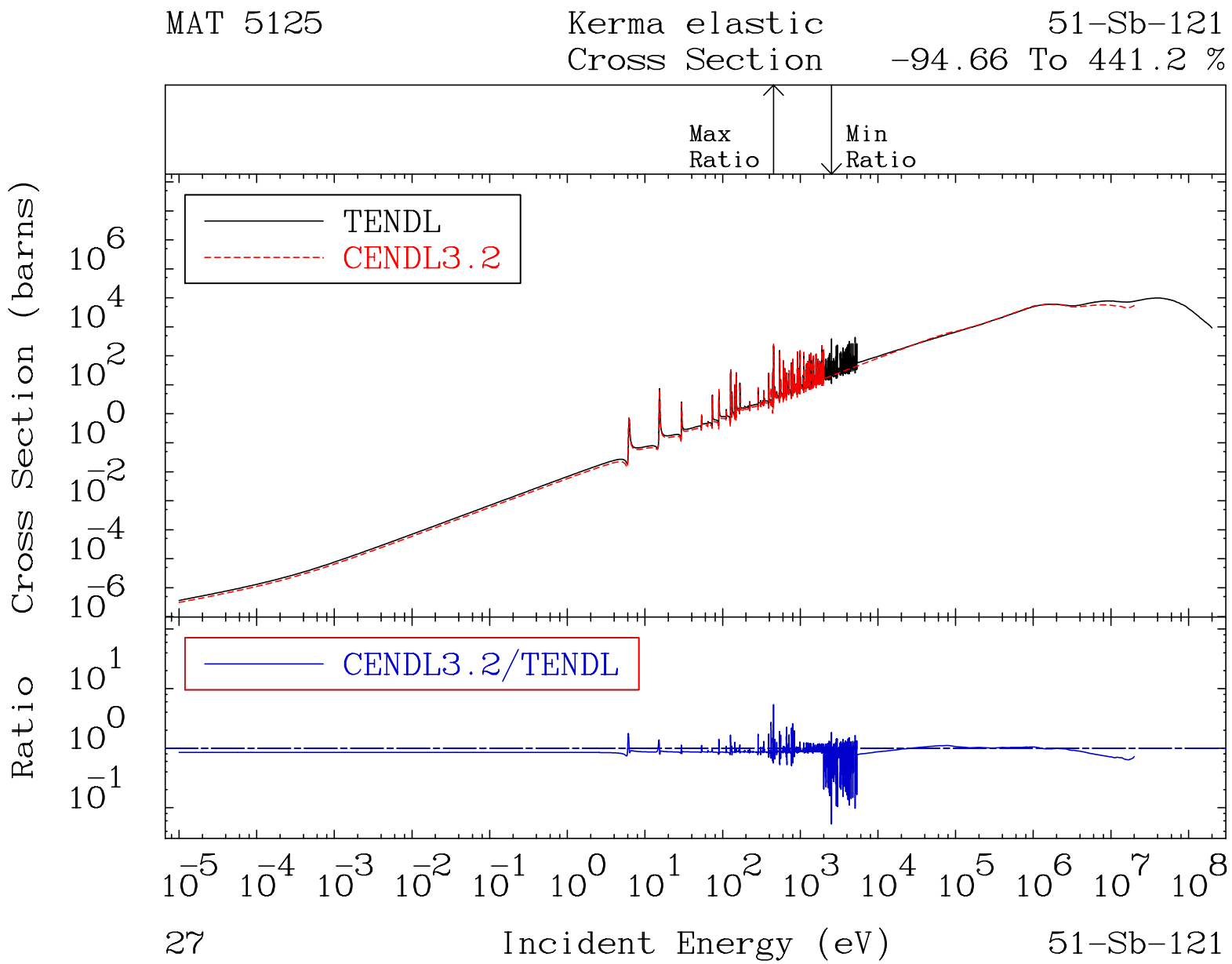

MAT 5125
Hydrogen Production
51-Sb-121
Cross Section
-100.0 To 68.80 %
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
CENDL3.2 Threshold 1.5000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
2.0
1.0
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
22
Incident Energy (eV)
51-Sb-121

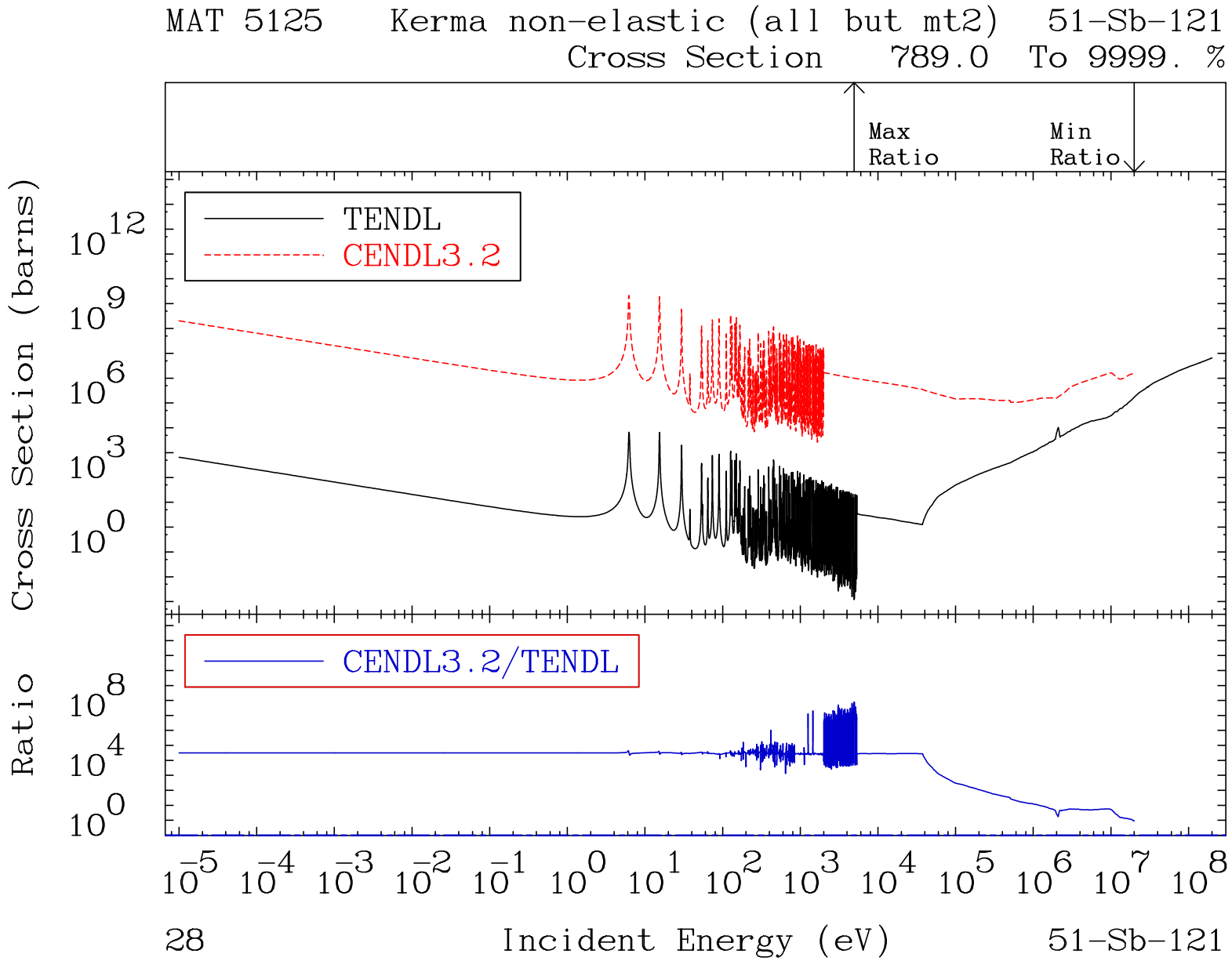

MAT 5125
Deuterium Production
51-Sb-121
Cross Section -100.0 To 468.9 %
Min Ratio
Max Ratio
TENDL Threshold 3.5956 MeV
CENDL3.2 Threshold 7.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
51-Sb-121

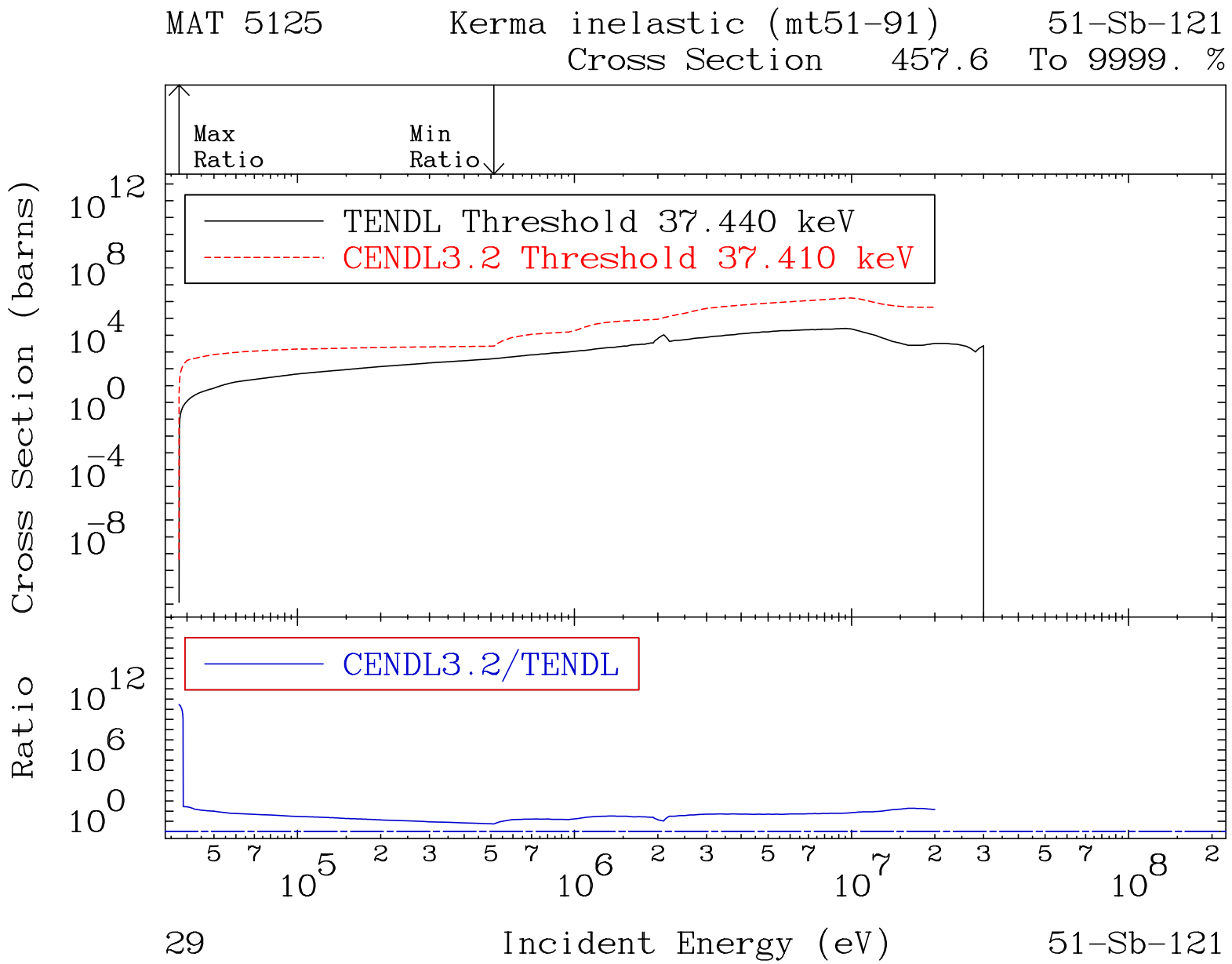

MAT 5125
Tritium Production
51-Sb-121
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4662 MeV
CENDL3.2 Threshold 10.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
51-Sb-121

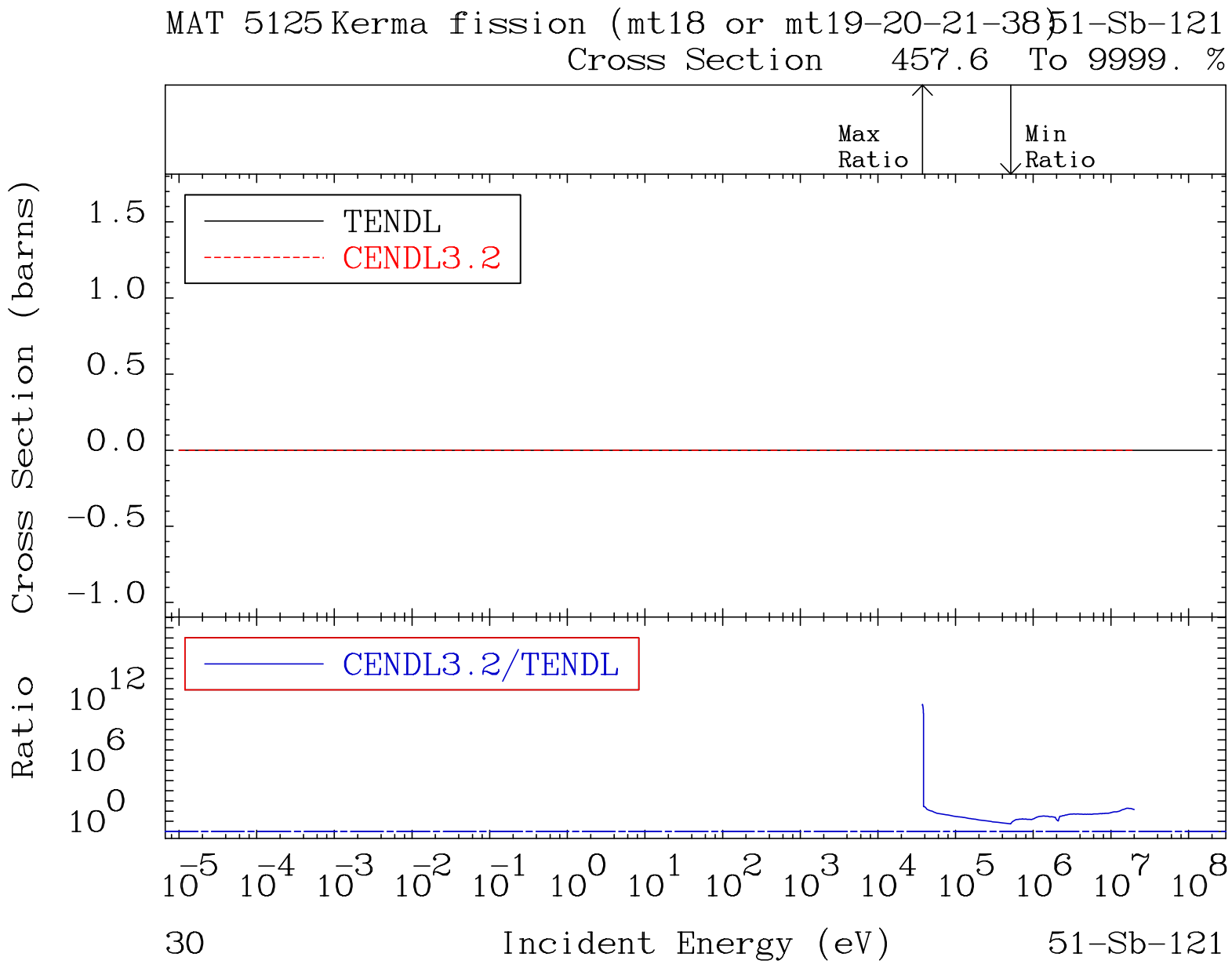

MAT 5125
He-4 Production
Cross Section
51-Sb-121
-100.0 To -5.297%
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
CENDL3.2 Threshold 8.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
25
Incident Energy (eV)
51-Sb-121

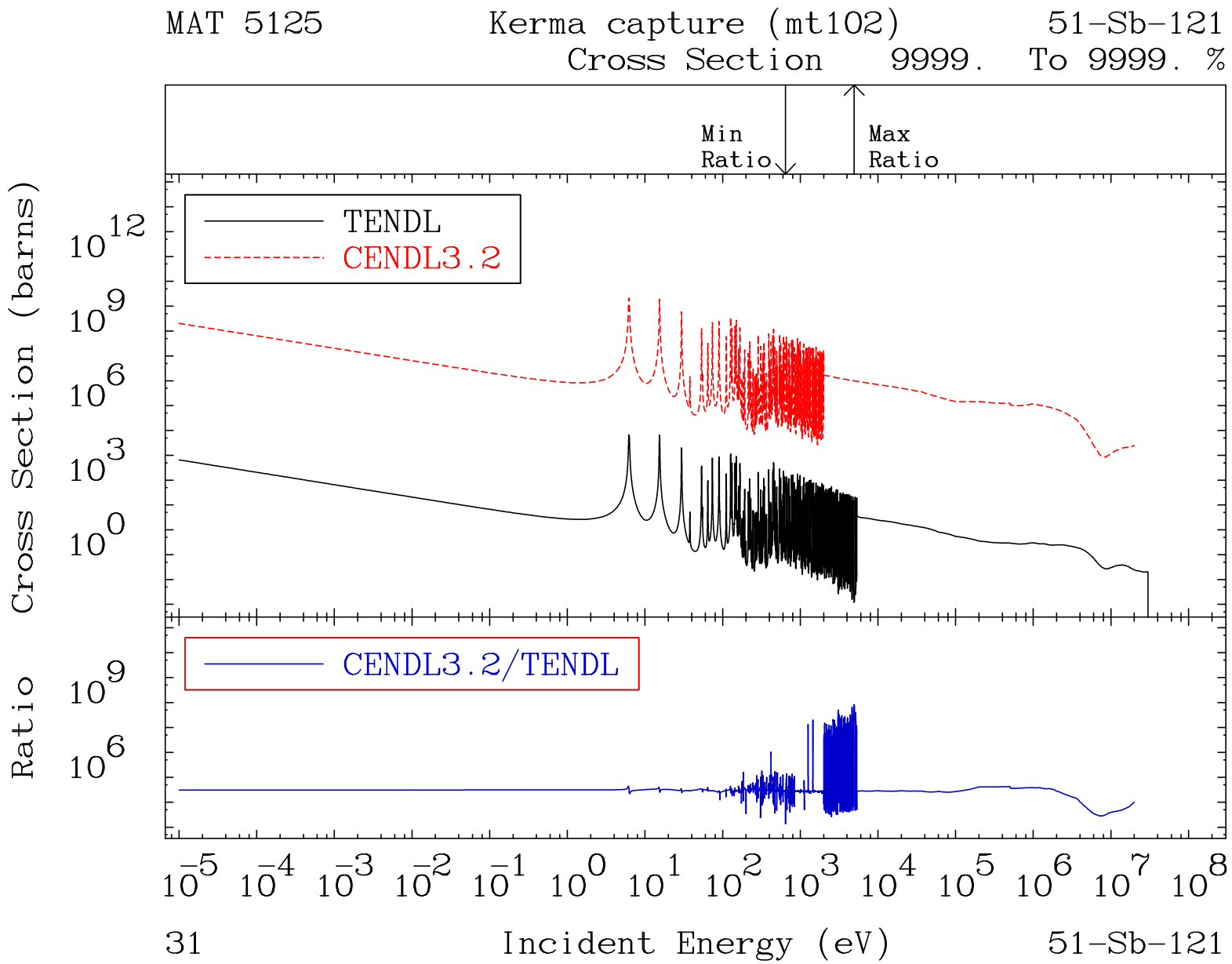

MAT 5125
Kerma total (eV-barns)
51-Sb-121
Cross Section 754.4 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
51-Sb-121

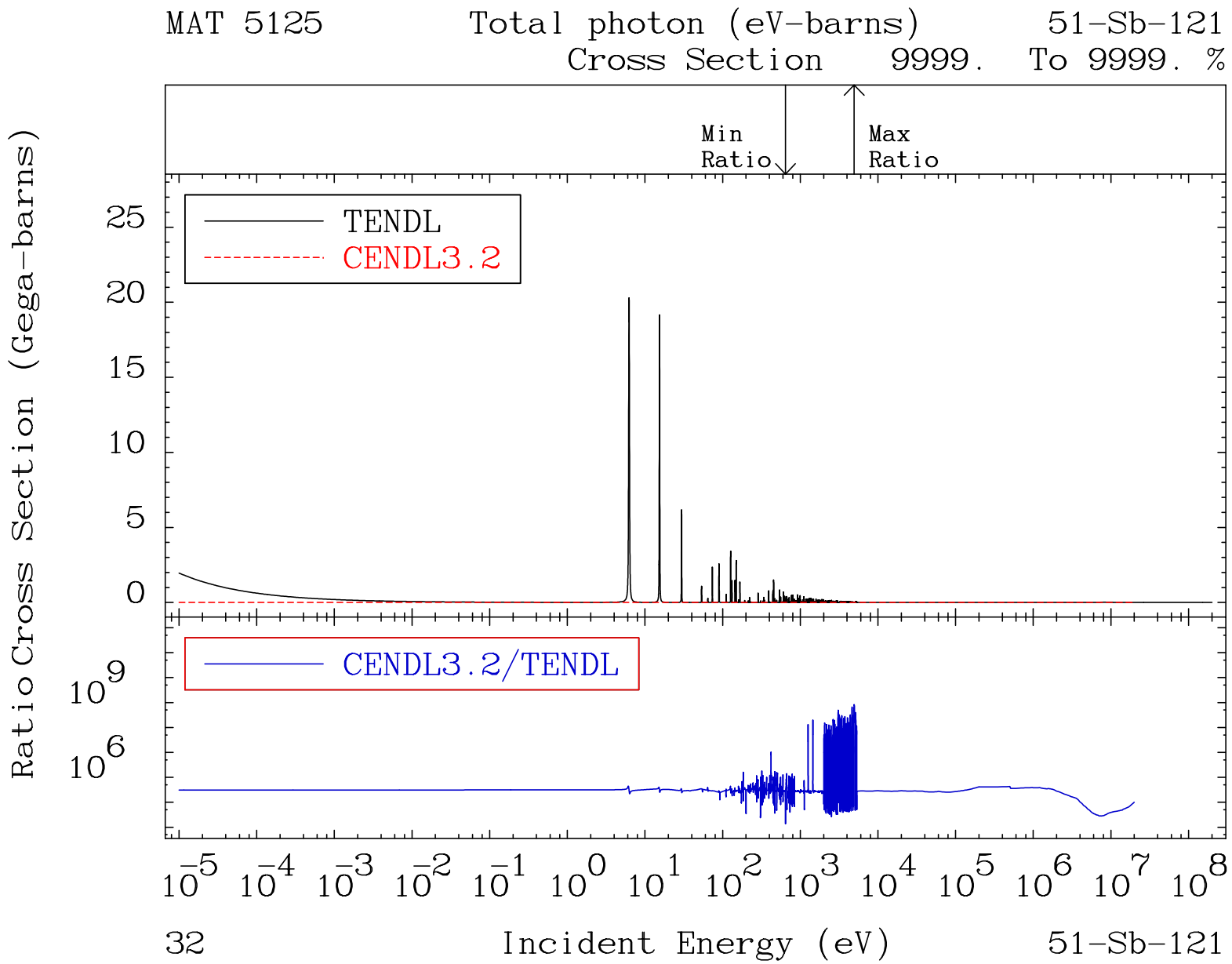

MAT 5125
Kerma elastic
Cross Section
51-Sb-121
-94.66 To 441.2 %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
51-Sb-121

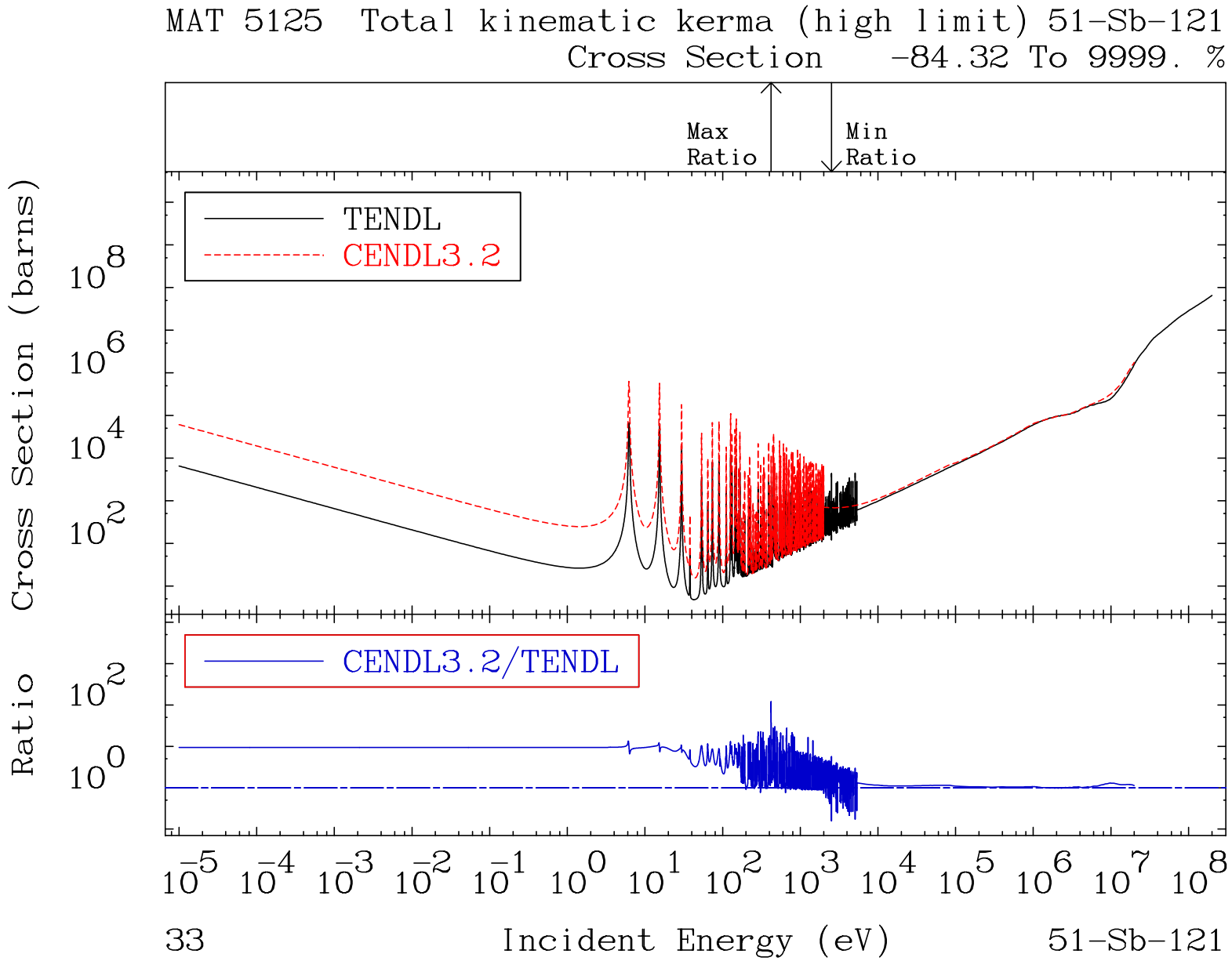

MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
Cross Section 789.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
51-Sb-121

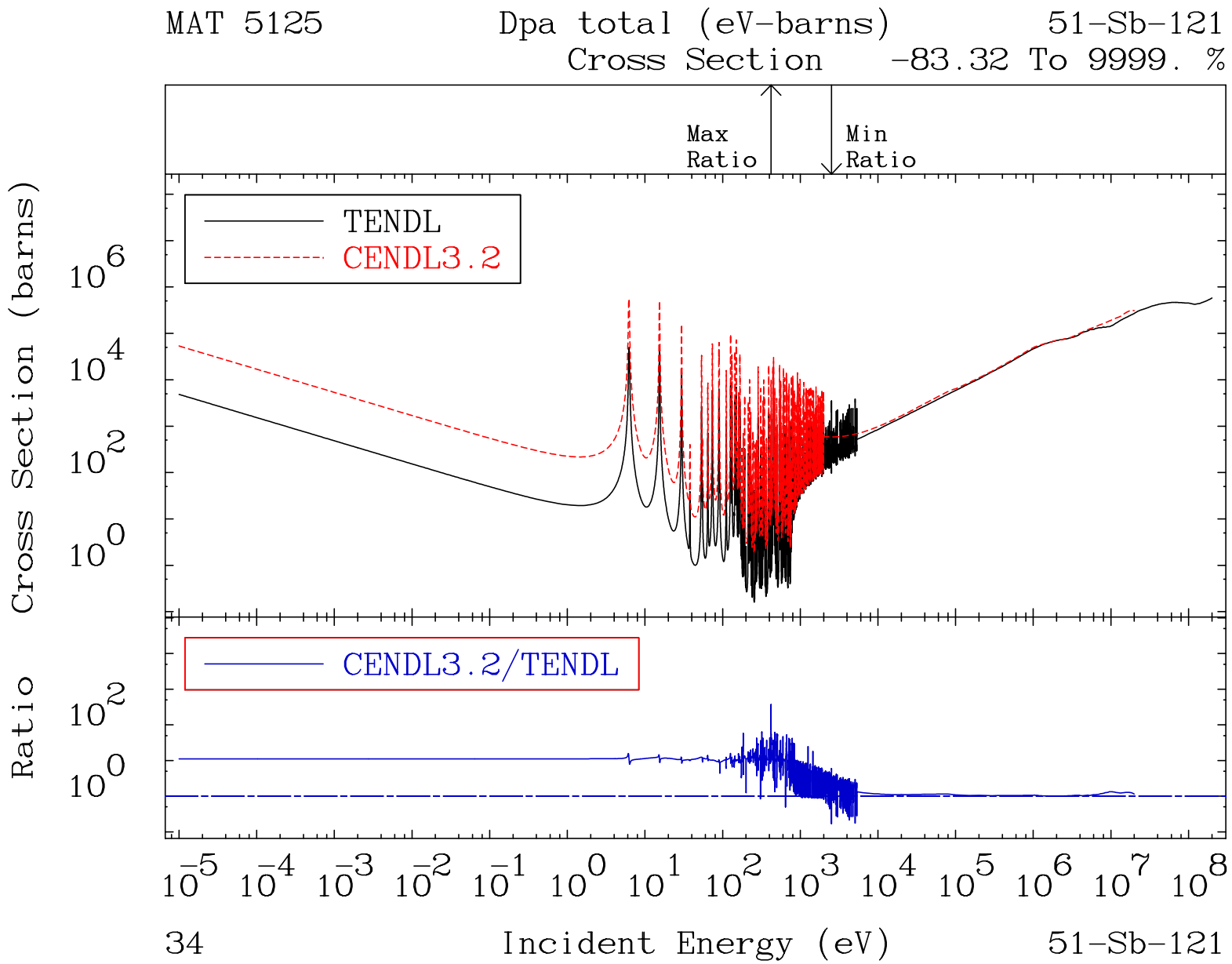

MAT 5125
Kerma inelastic (mt51-91)
51-Sb-121
Cross Section 457.6 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 37.440 keV
CENDL3.2 Threshold 37.410 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
51-Sb-121

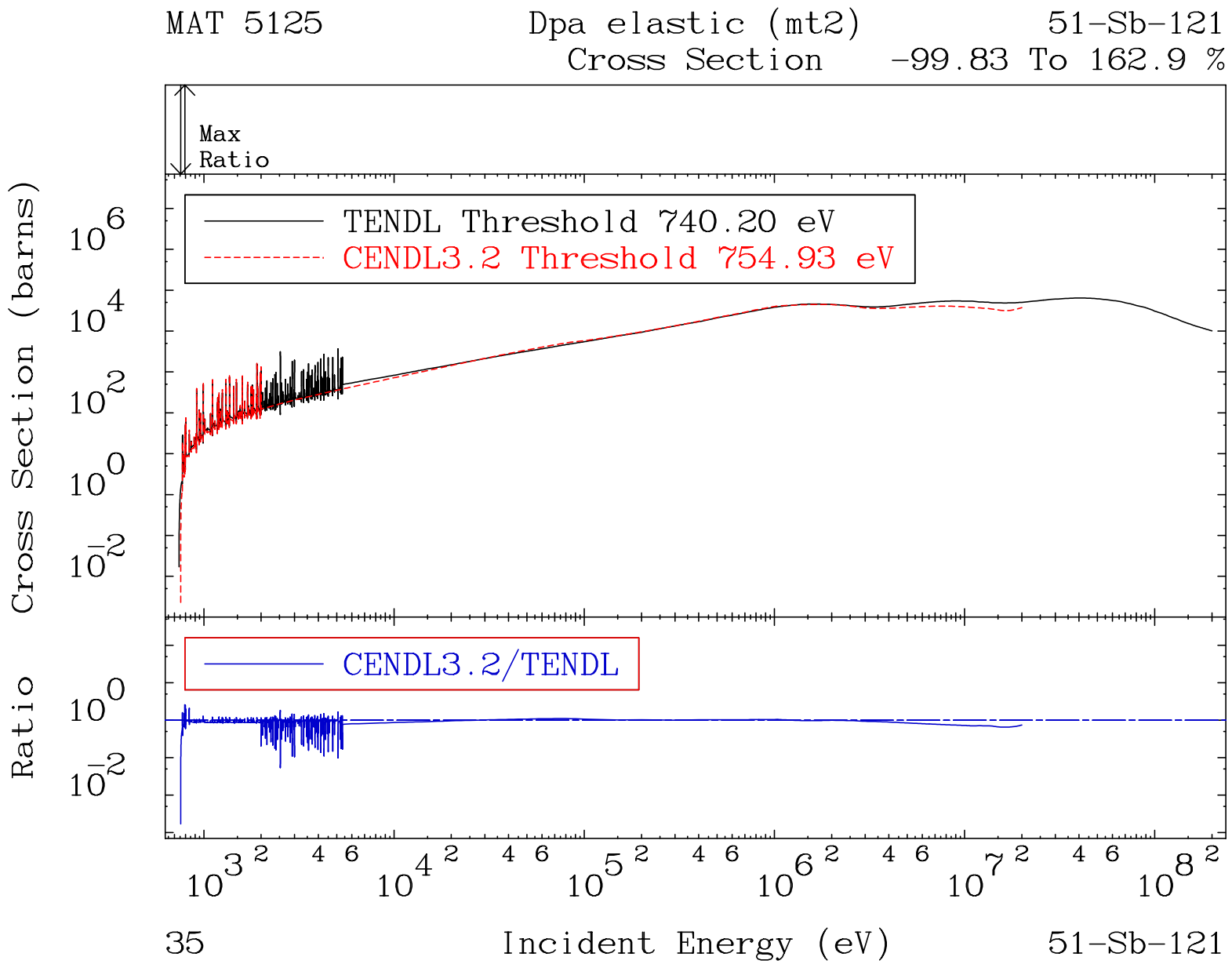

MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
Cross Section 457.6 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{12}
10^{6}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
30
Incident Energy (eV)
51-Sb-121

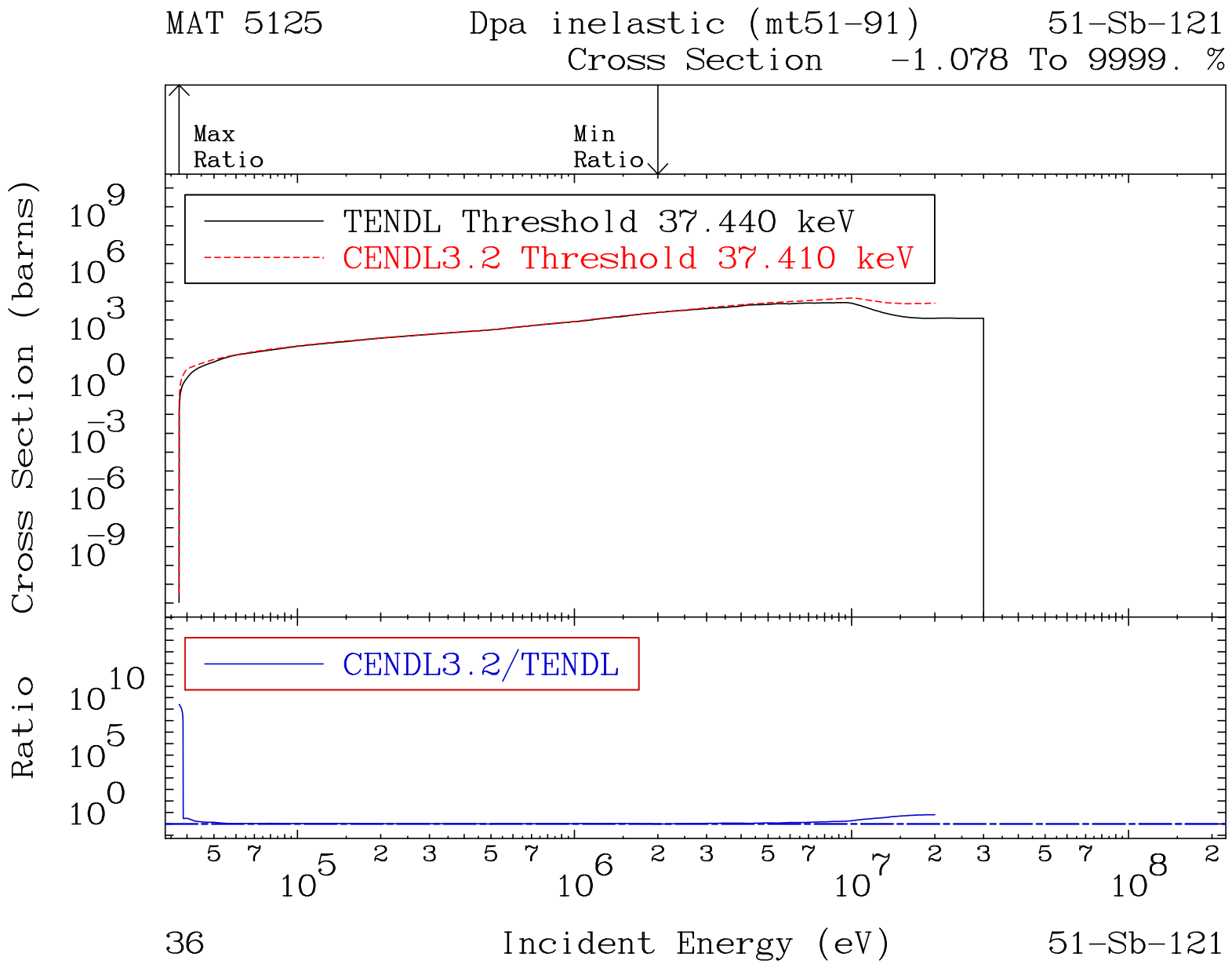

MAT 5125
Kerma capture (mt102)
51-Sb-121
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
51-Sb-121

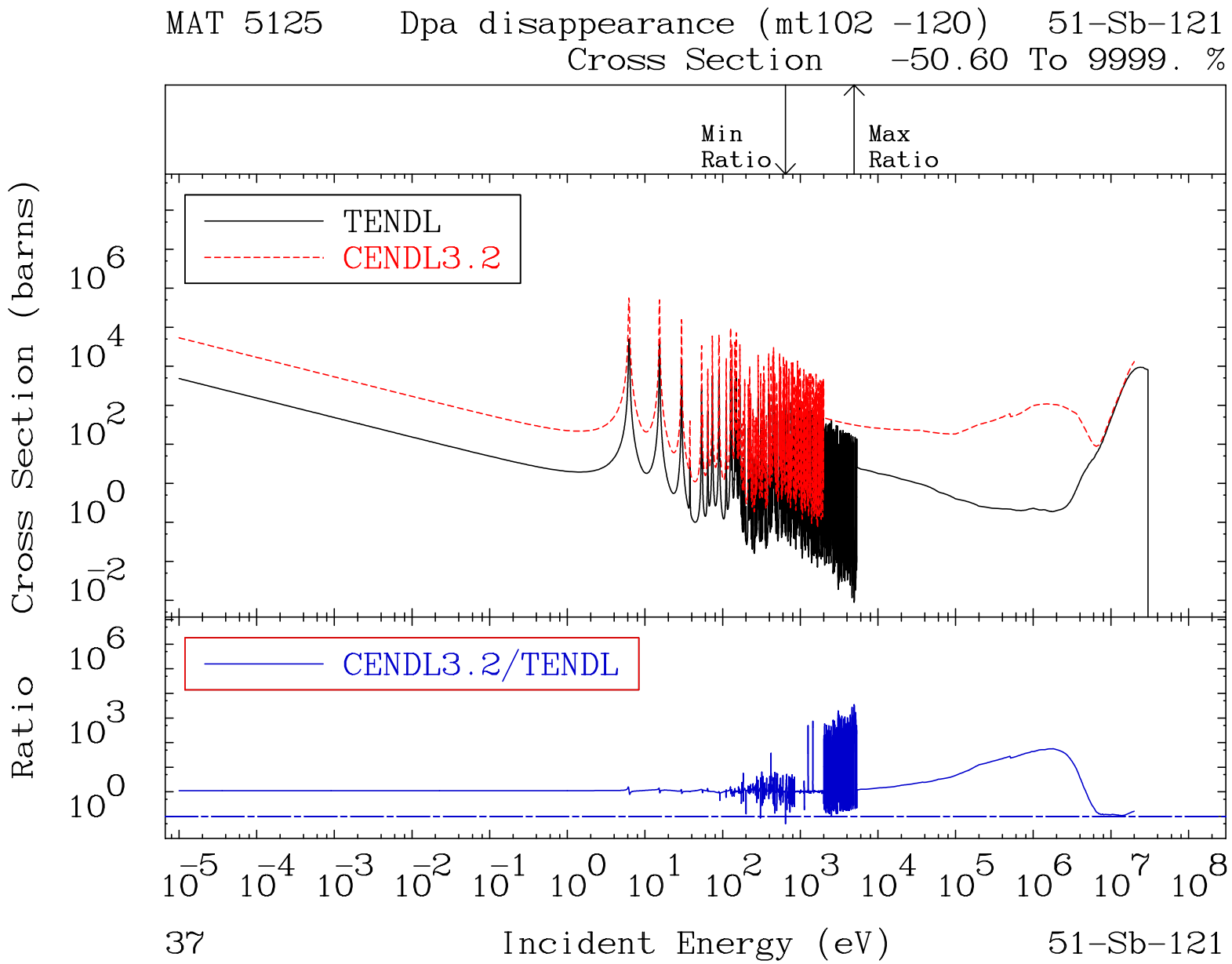

MAT 5125
Total photon (eV-barns)
51-Sb-121
Cross Section 9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Ratio Cross Section (Giga-barns)
25
20
15
10
5
0
10^9
10^6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)

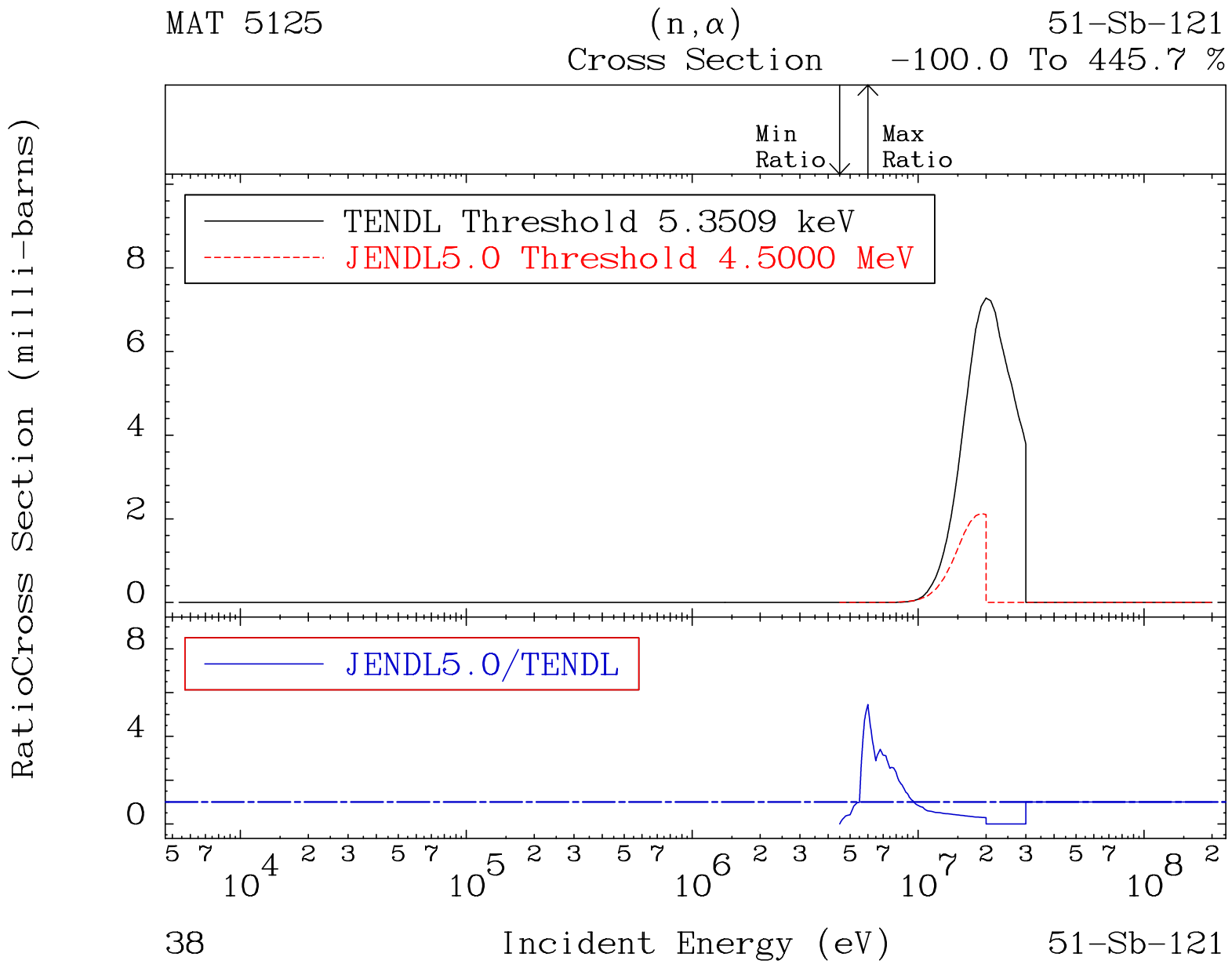

MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
Cross Section -84.32 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
33
51-Sb-121

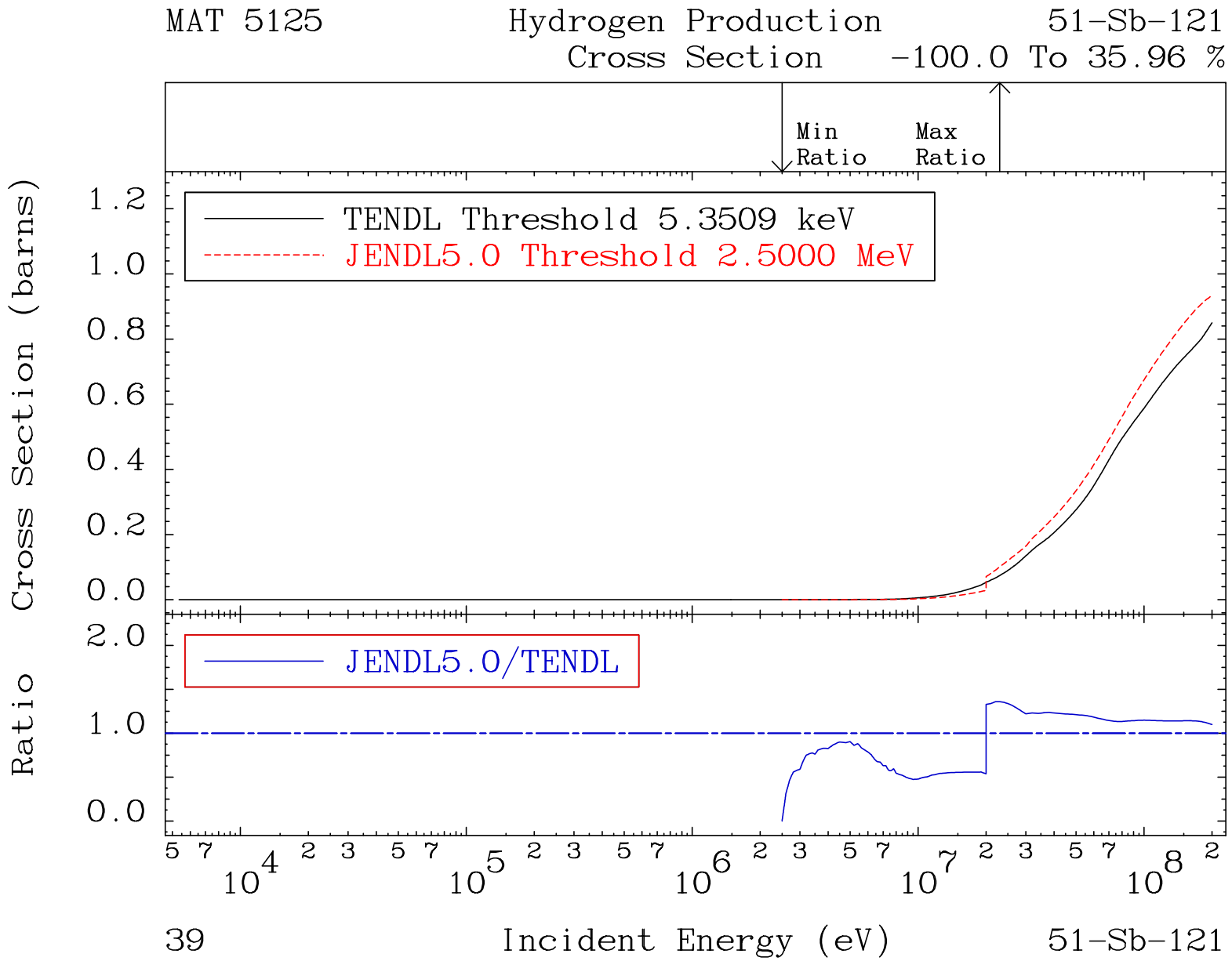

MAT 5125
Dpa total (eV-barns)
51-Sb-121
Cross Section -83.32 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
34
51-Sb-121

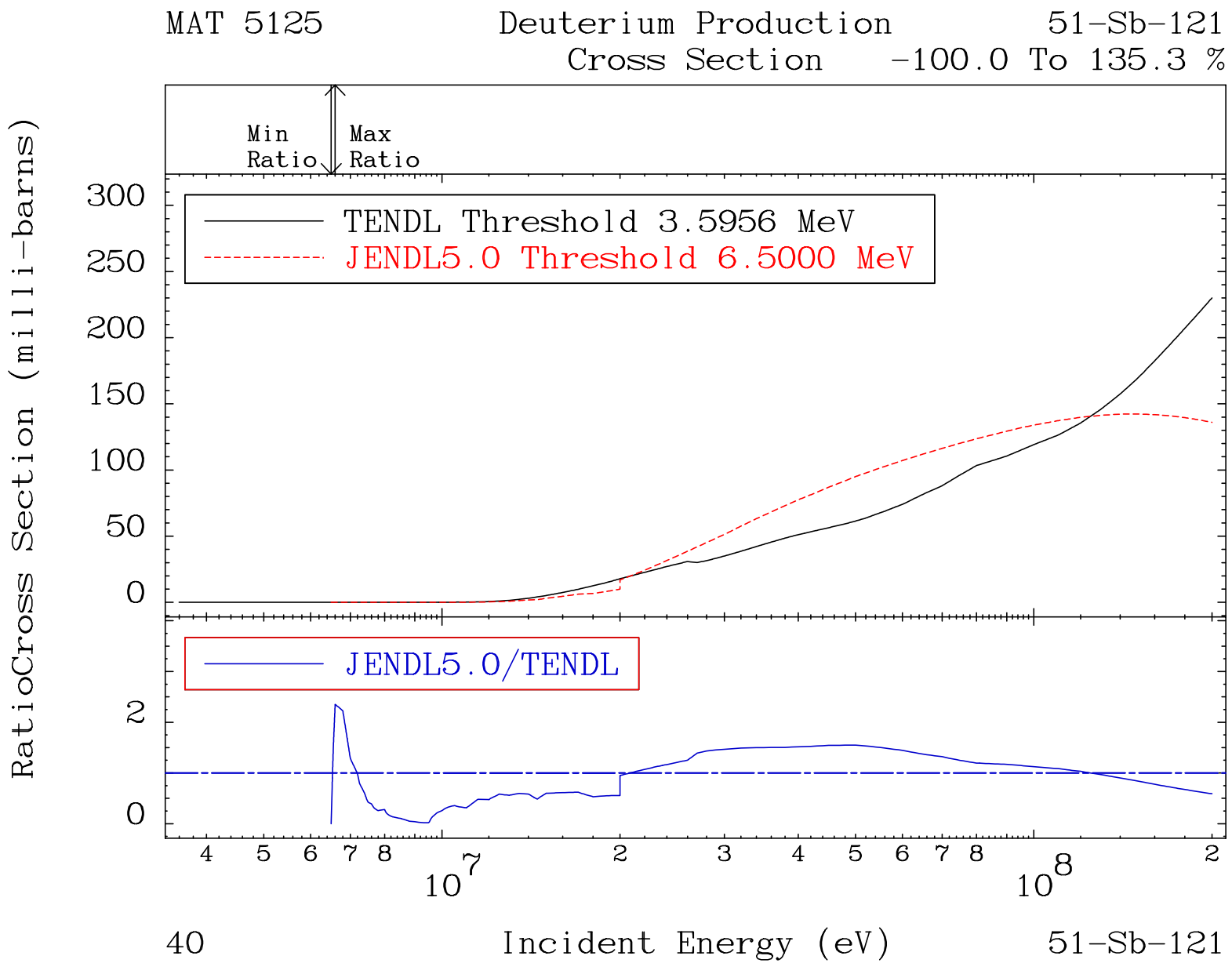

MAT 5125
Dpa elastic (mt2)
Cross Section
51-Sb-121
-99.83 To 162.9 %
Max
Ratio
TENDL Threshold 740.20 eV
CENDL3.2 Threshold 754.93 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
51-Sb-121

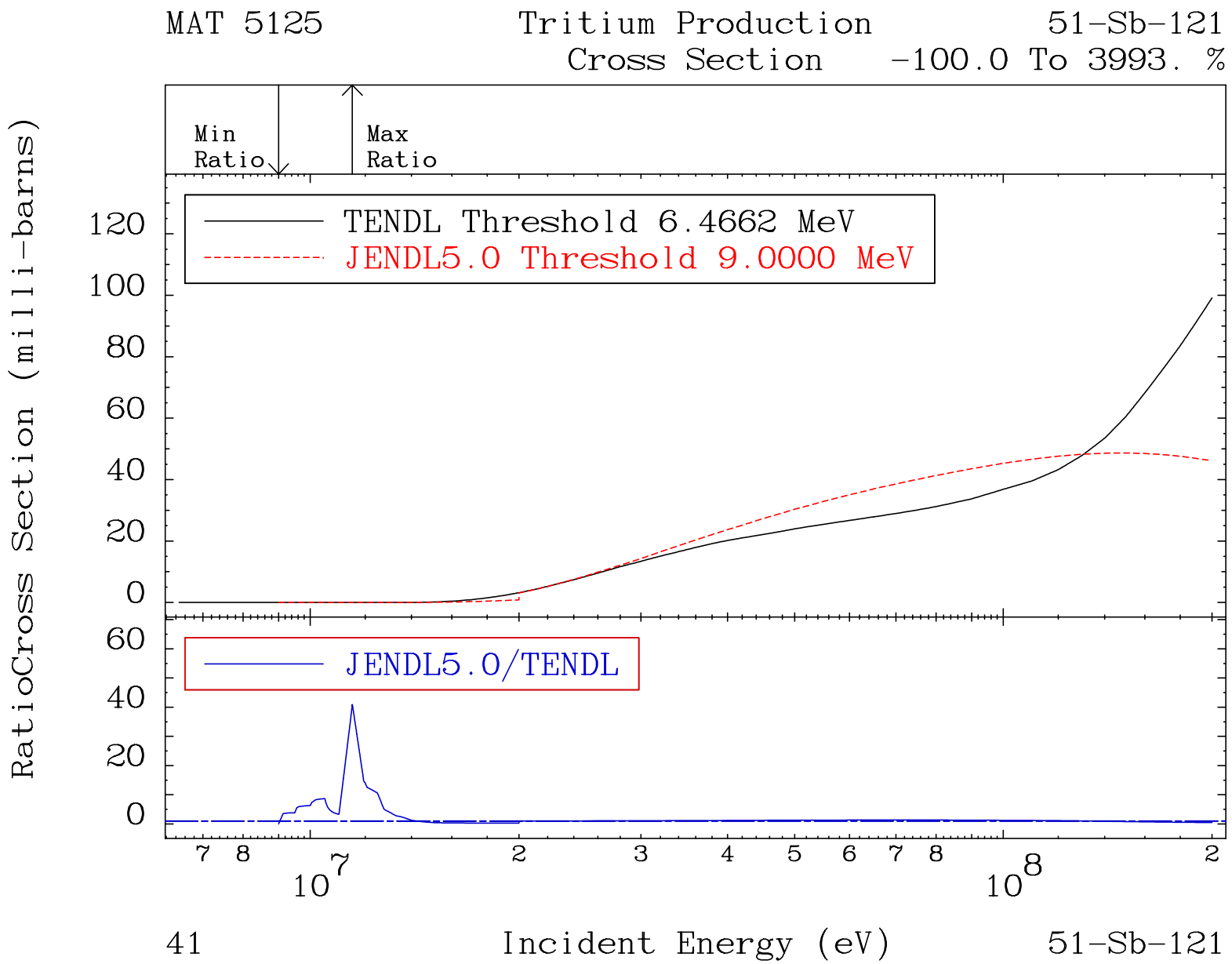

MAT 5125
Dpa inelastic (mt51-91)
51-Sb-121
Cross Section -1.078 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 37.440 keV
CENDL3.2 Threshold 37.410 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
51-Sb-121

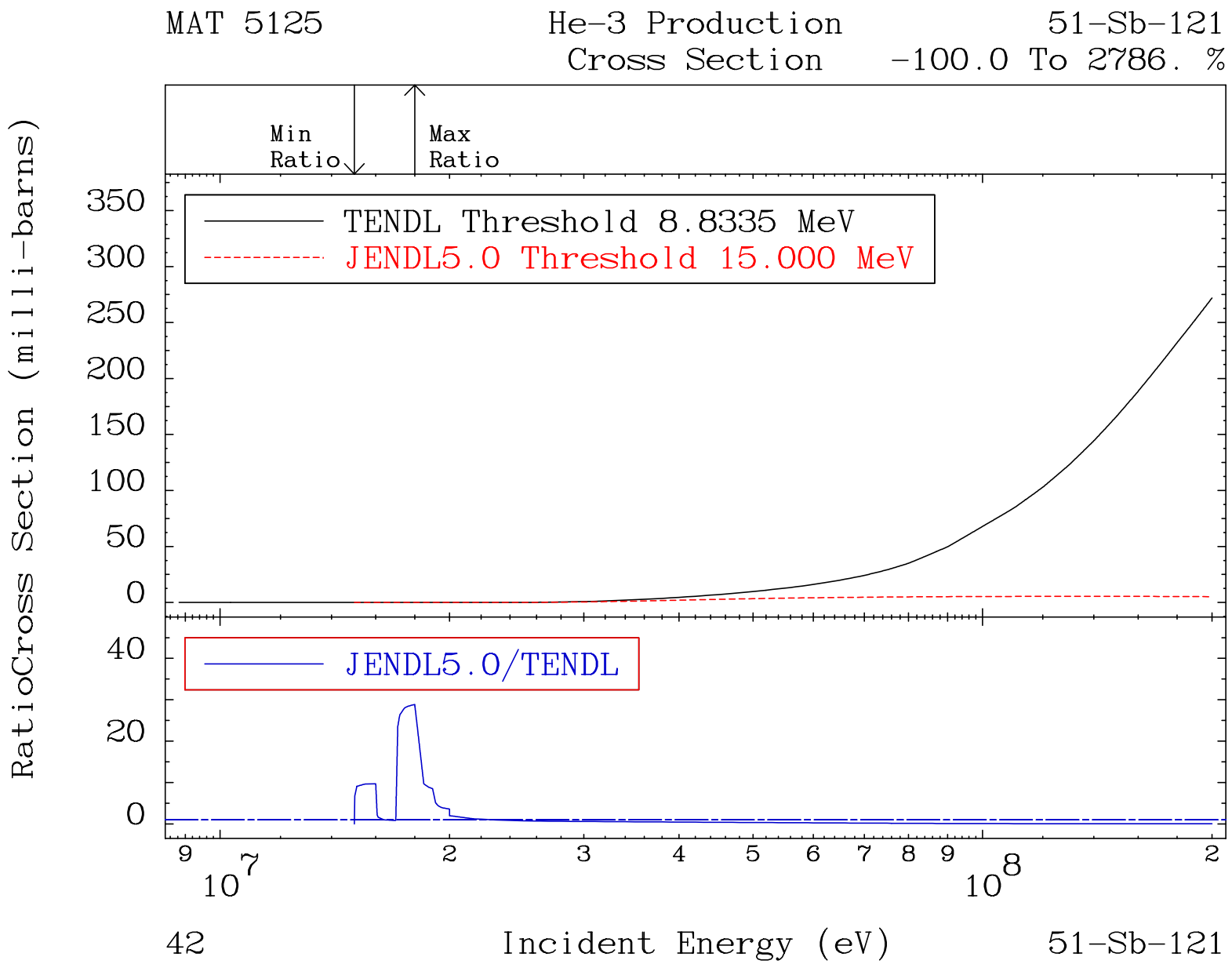

MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
Cross Section -50.60 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
37
51-Sb-121

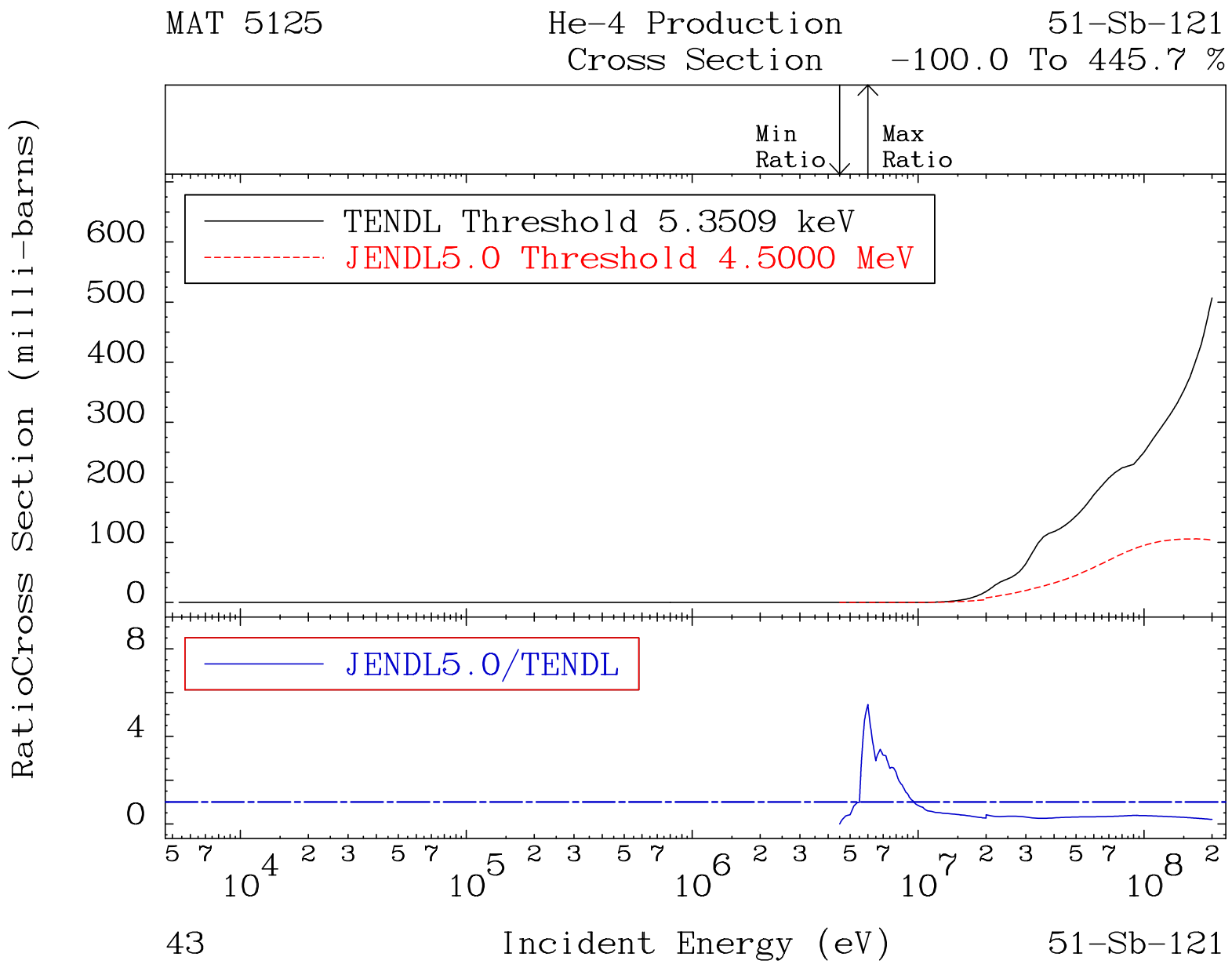

MAT 5125
(n,α)
Cross Section
51-Sb-121
-100.0 To 445.7 %
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
51-Sb-121

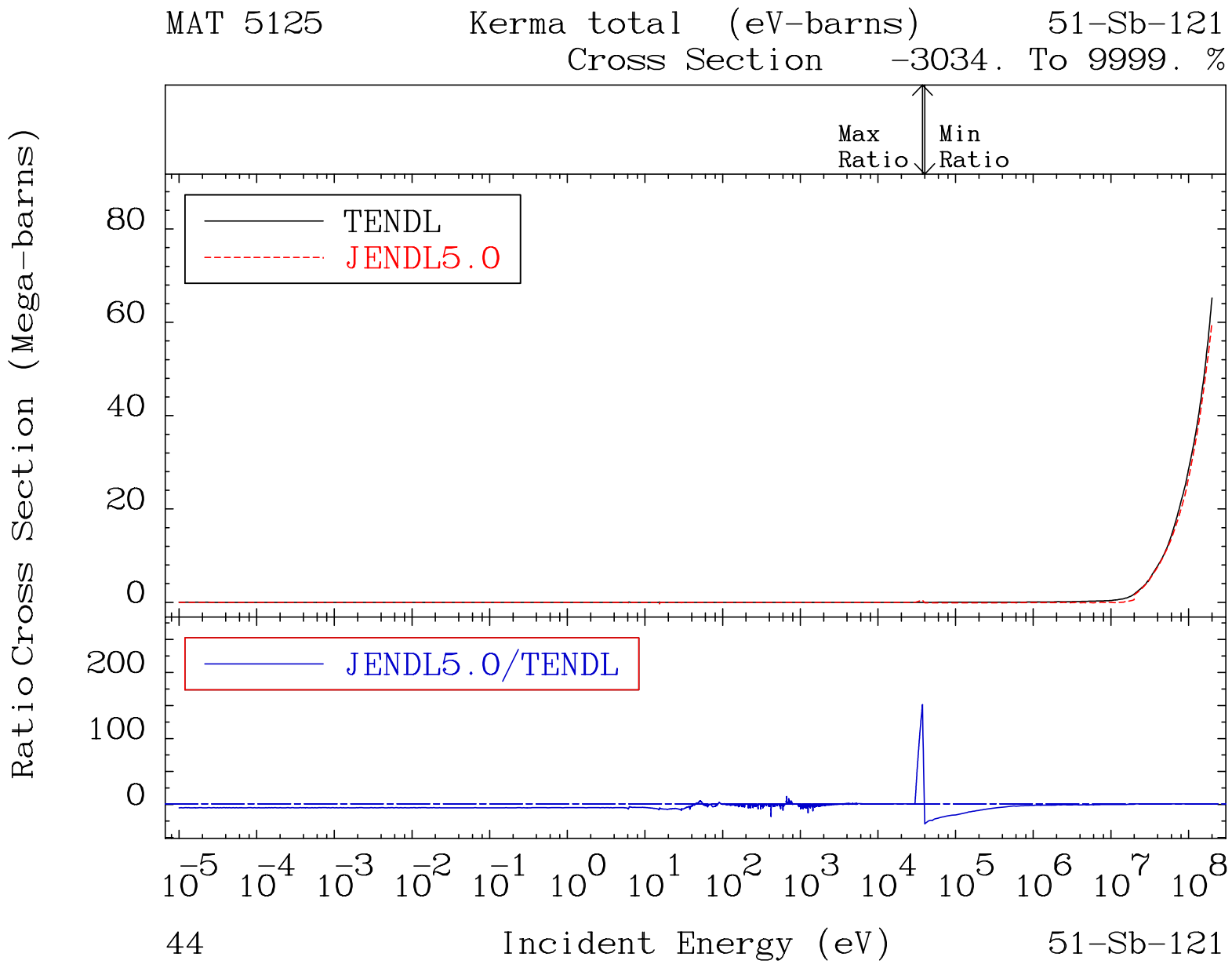

MAT 5125
Hydrogen Production
51-Sb-121
Cross Section
-100.0 To 35.96 %
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
39
Incident Energy (eV)
51-Sb-121

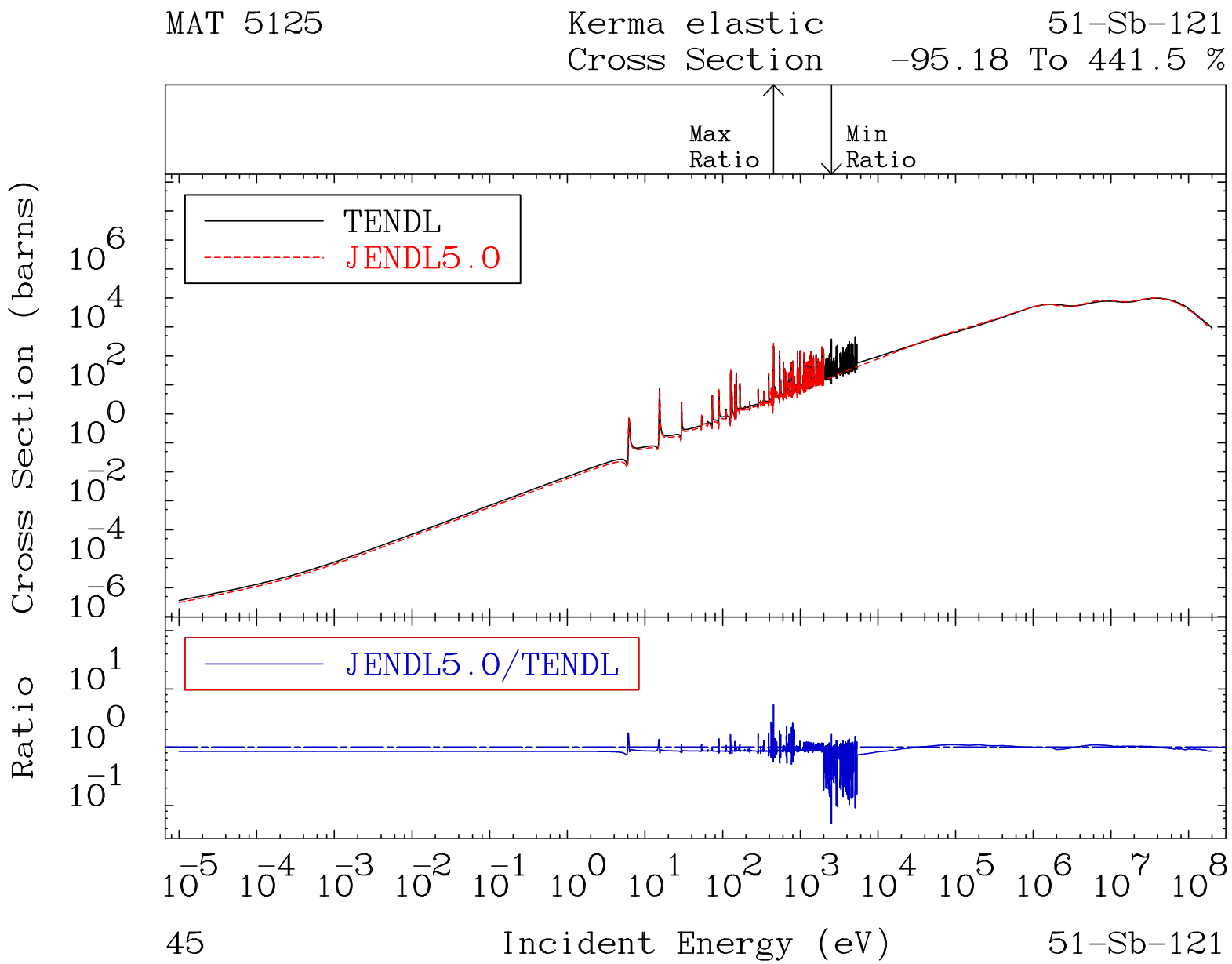

MAT 5125
Deuterium Production
51-Sb-121
Cross Section
-100.0 To 135.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.5956 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
51-Sb-121

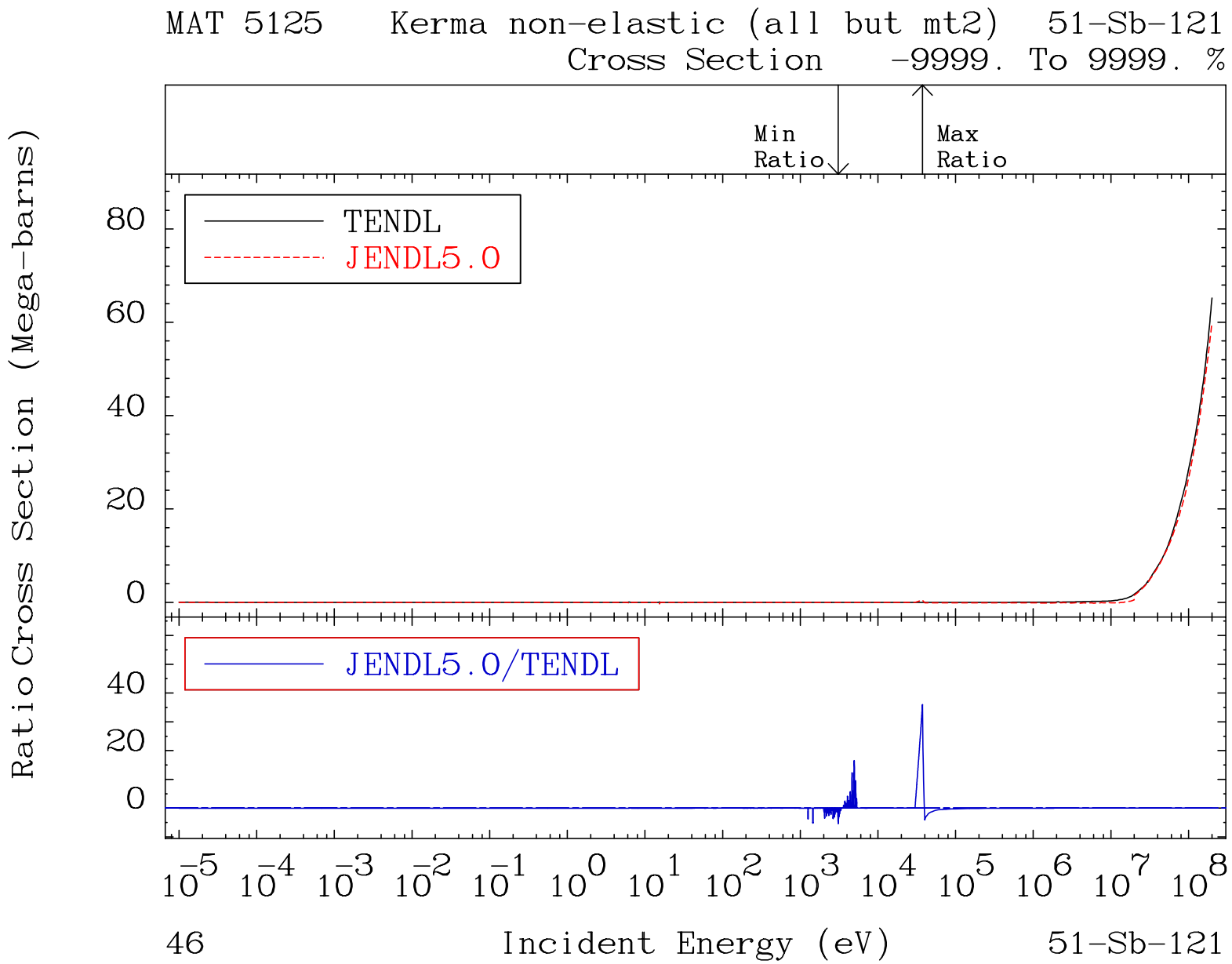

MAT 5125
Tritium Production
51-Sb-121
Cross Section
-100.0 To 3993. %
Min Ratio
Max Ratio
TENDL Threshold 6.4662 MeV
JENDL5.0 Threshold 9.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
60
40
20
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
51-Sb-121

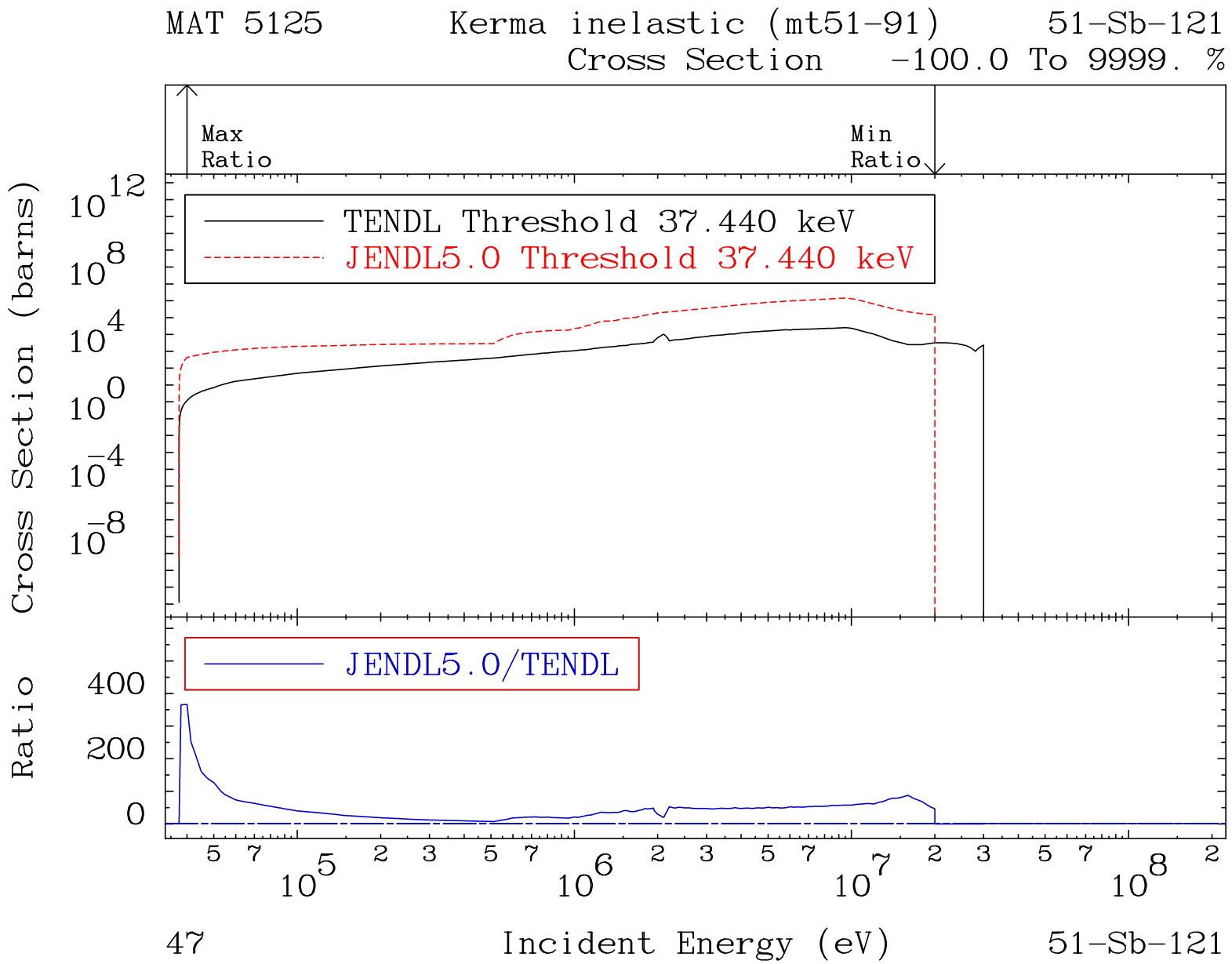

MAT 5125
He-3 Production
51-Sb-121
Cross Section
-100.0 To 2786. %
Min Ratio
Max Ratio
TENDL Threshold 8.8335 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
40
20
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
42
Incident Energy (eV)
51-Sb-121

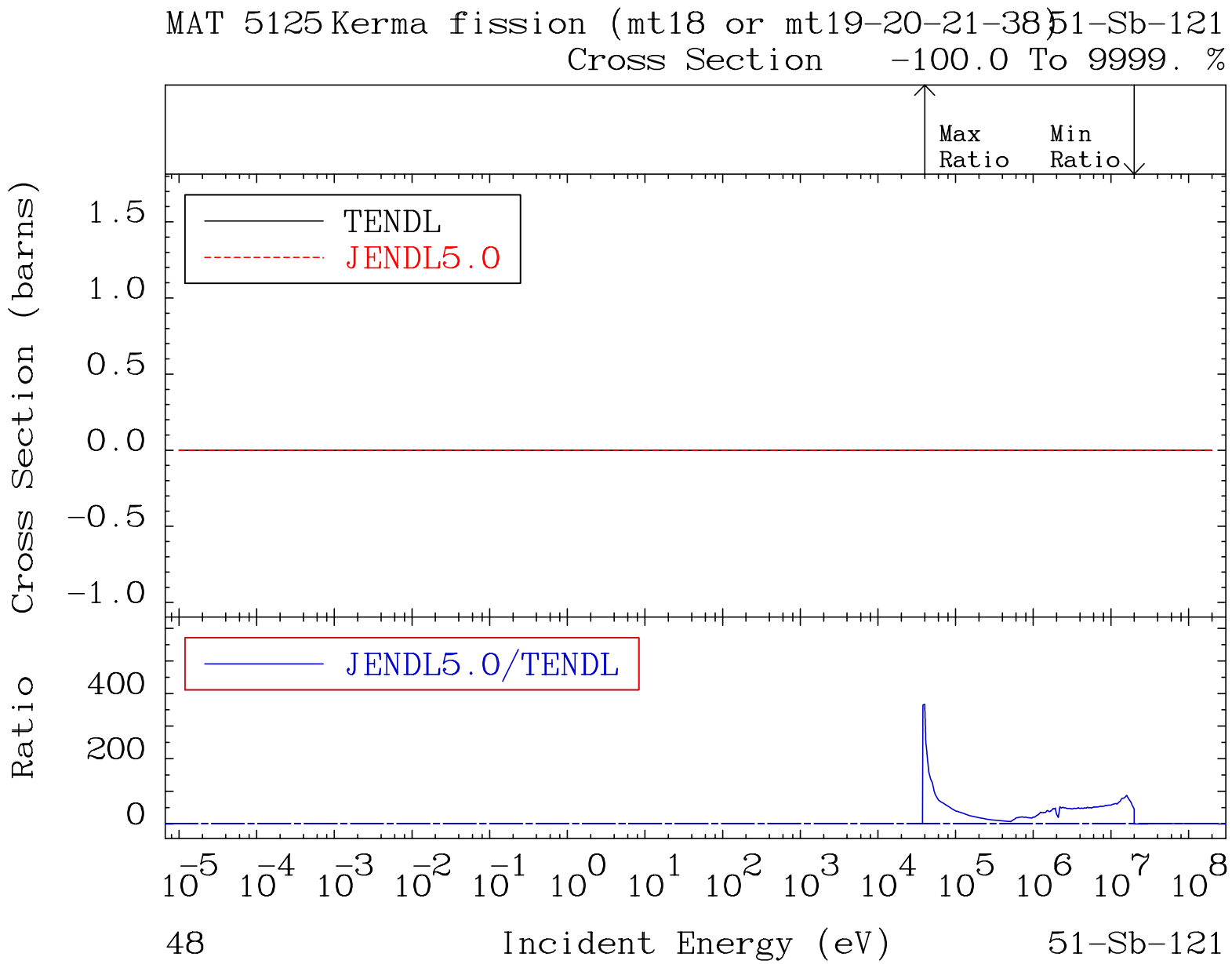

MAT 5125
He-4 Production
Cross Section
51-Sb-121
-100.0 To 445.7 %
Min Ratio
Max Ratio
TENDL Threshold 5.3509 keV
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
8
4
0
5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
43
Incident Energy (eV)
51-Sb-121

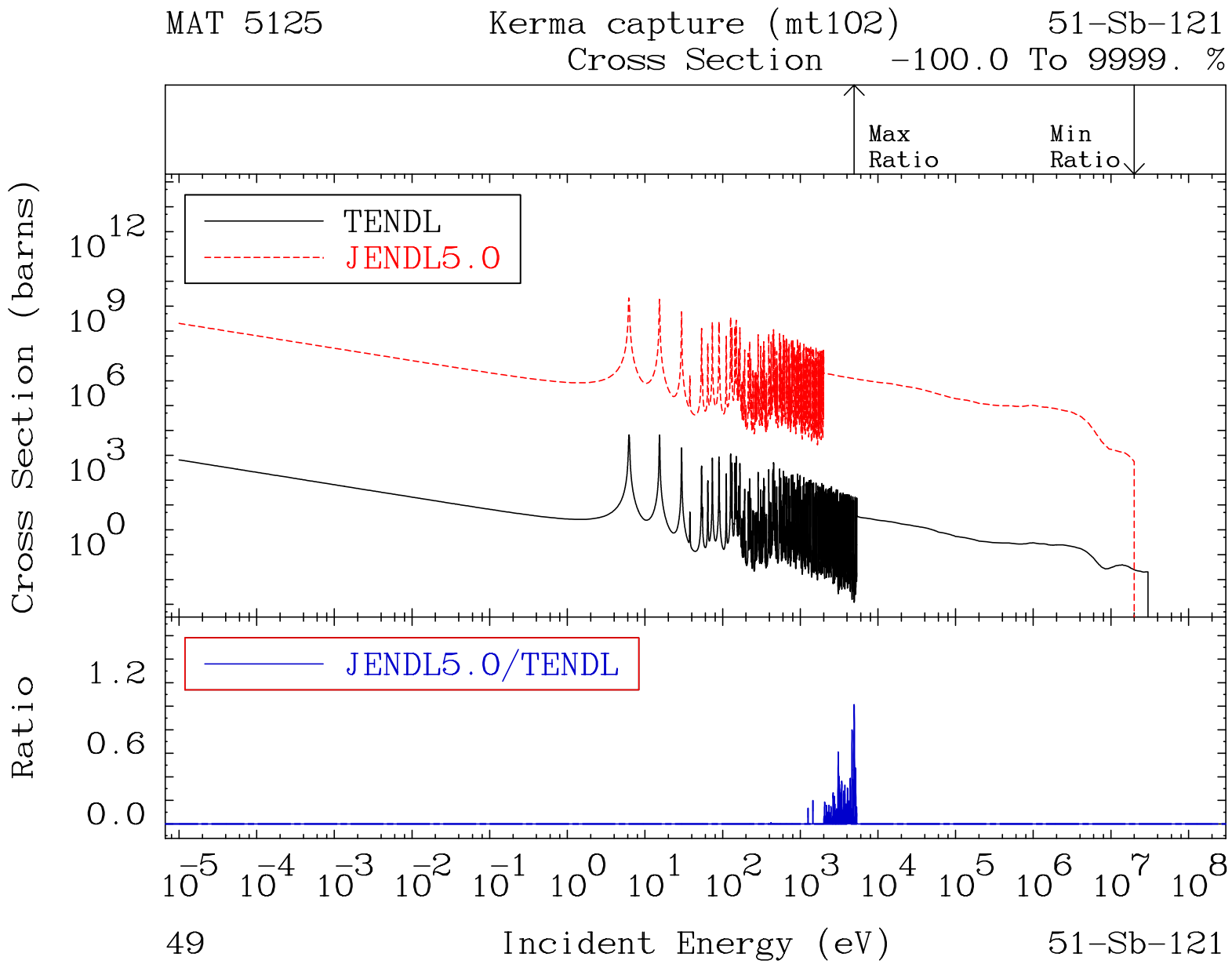

MAT 5125
Kerma total (eV-barns)
51-Sb-121
Cross Section -3034. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
80
60
40
20
0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
44
Incident Energy (eV)
51-Sb-121

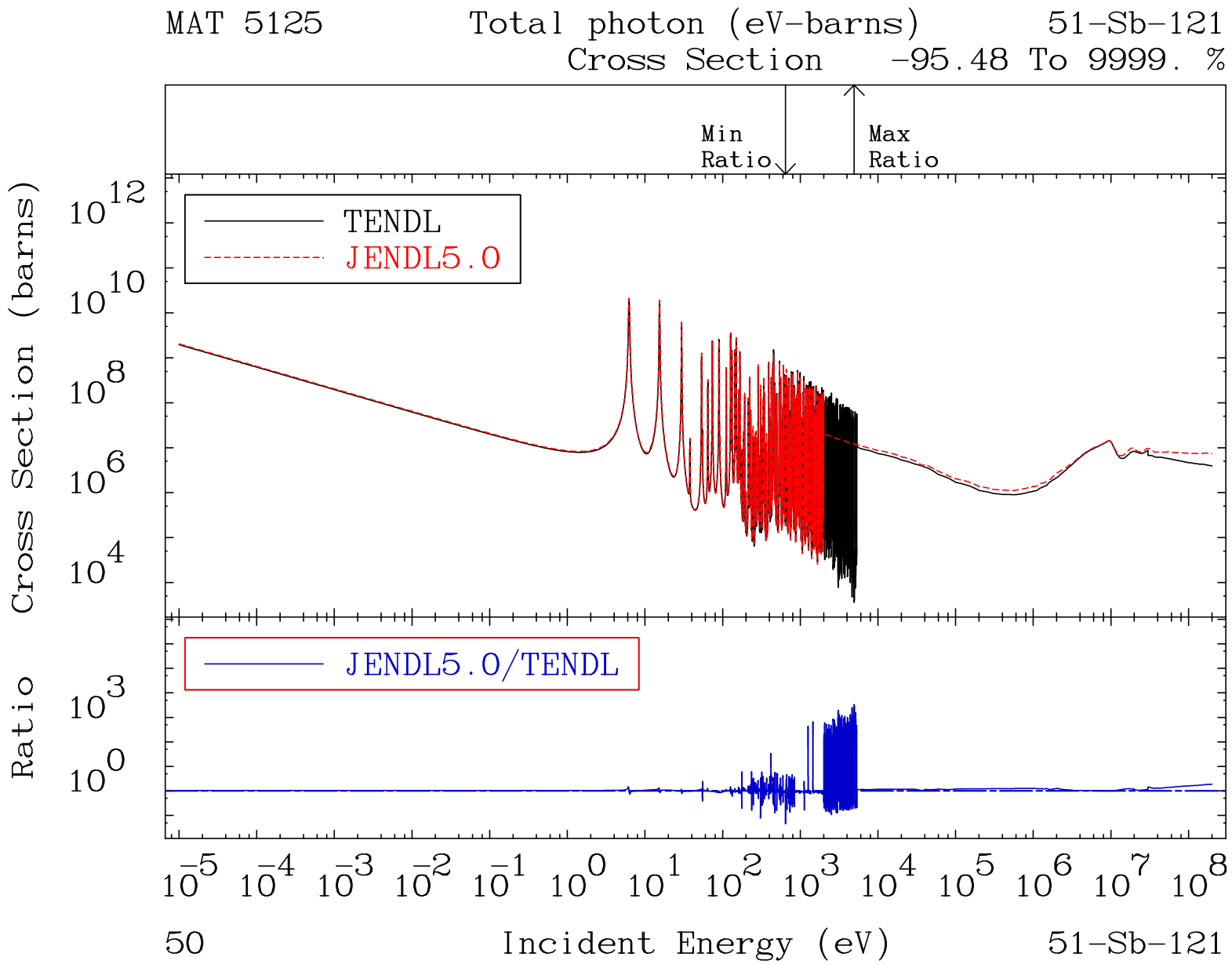

MAT 5125
Kerma elastic
Cross Section
51-Sb-121
-95.18 To 441.5 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
51-Sb-121

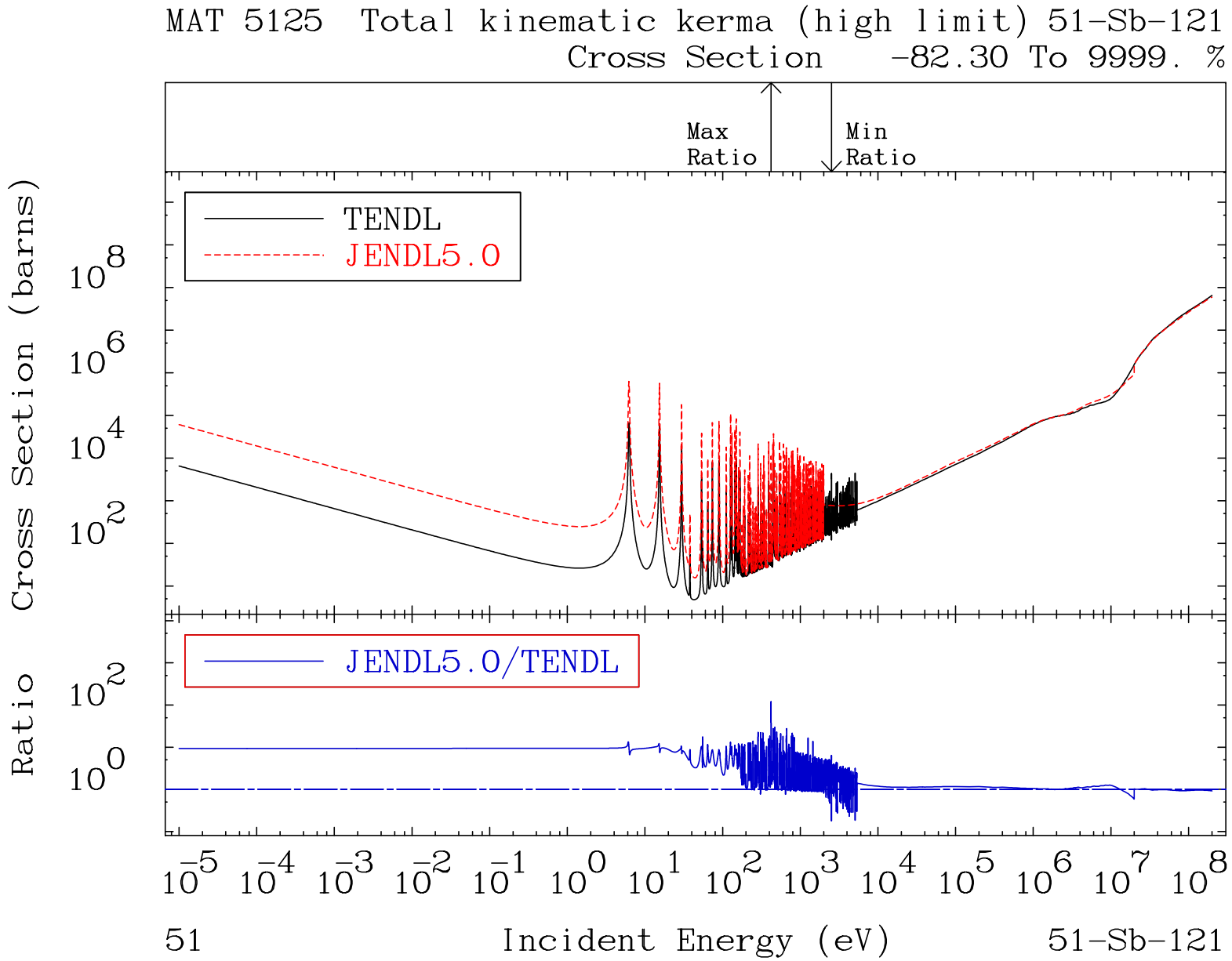

MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
80
60
40
20
0
40
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
46
Incident Energy (eV)
51-Sb-121

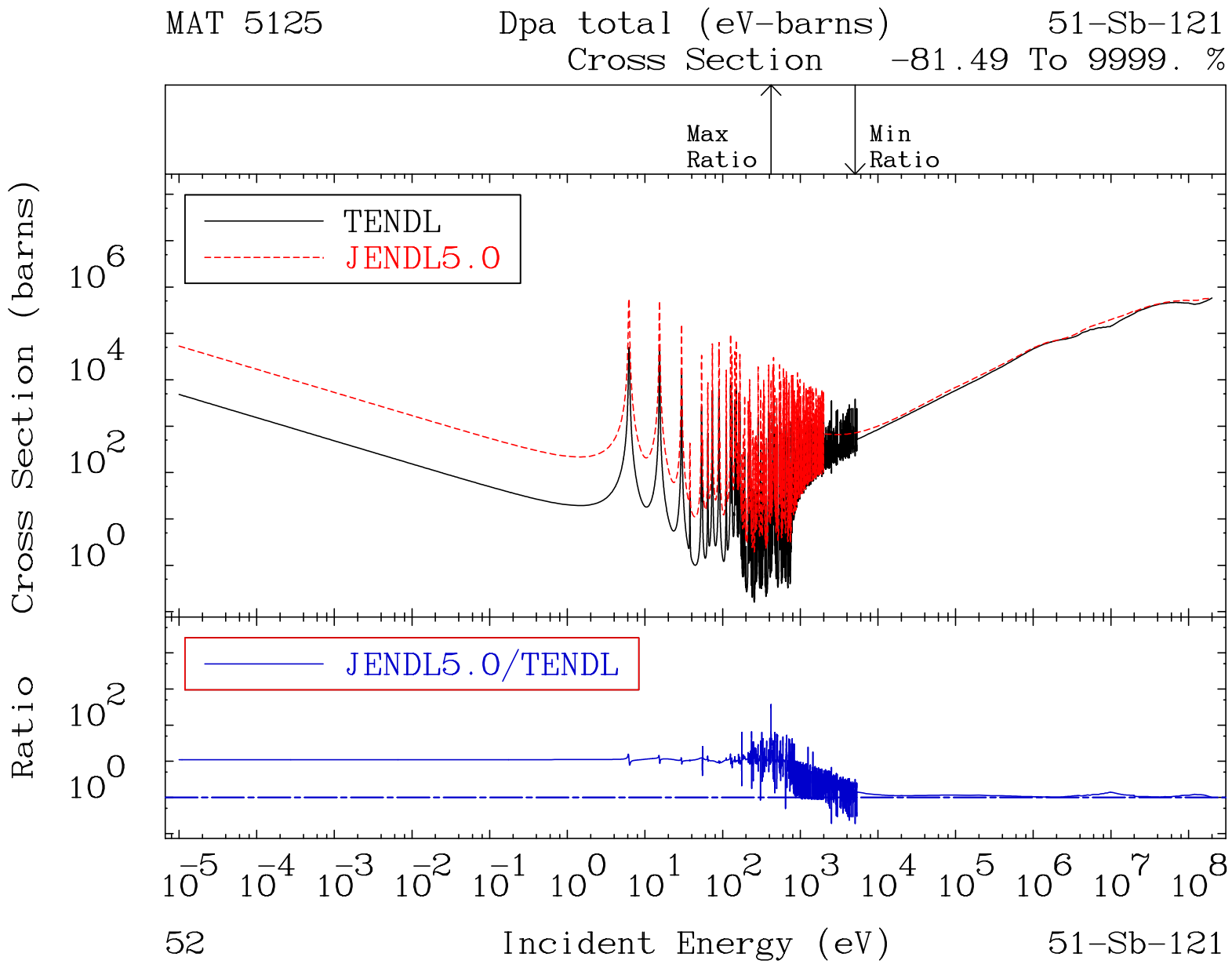

MAT 5125
Kerma inelastic (mt51-91)
51-Sb-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 37.440 keV
JENDL5.0 Threshold 37.440 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
51-Sb-121

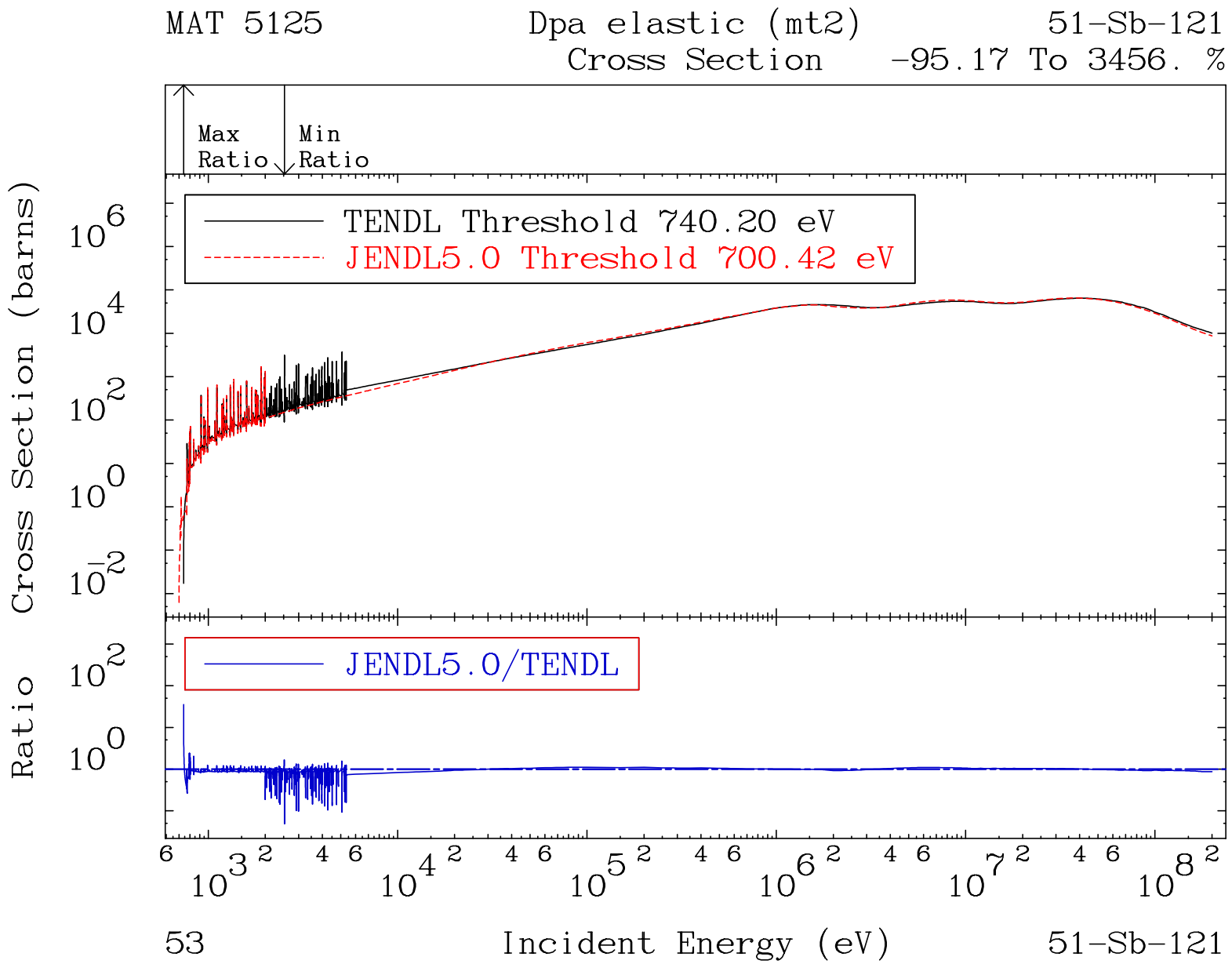

MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
48
Incident Energy (eV)
51-Sb-121

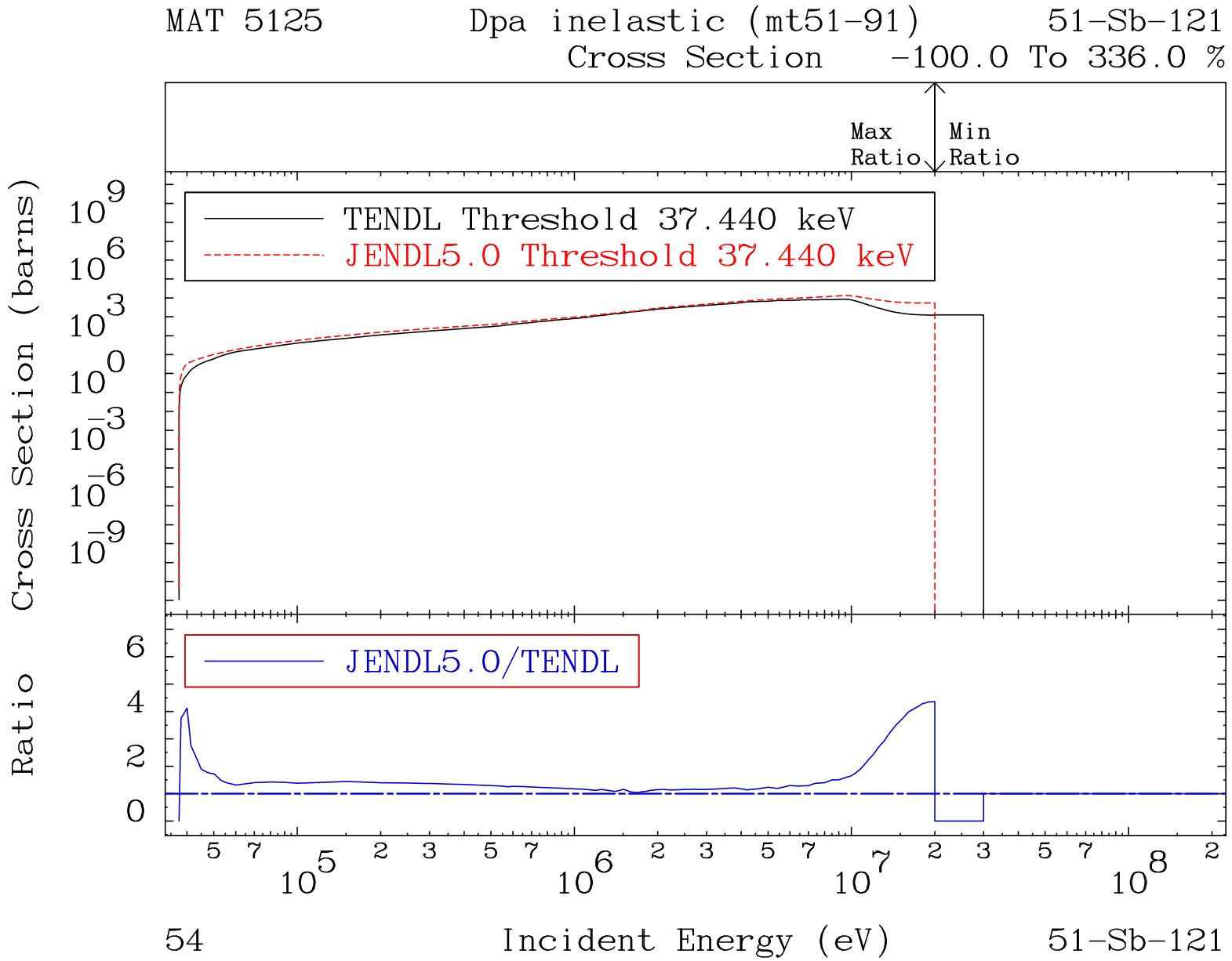

MAT 5125
Kerma capture (mt102)
51-Sb-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^{12}
10^{9}
10^{6}
10^{3}
10^{0}
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
51-Sb-121

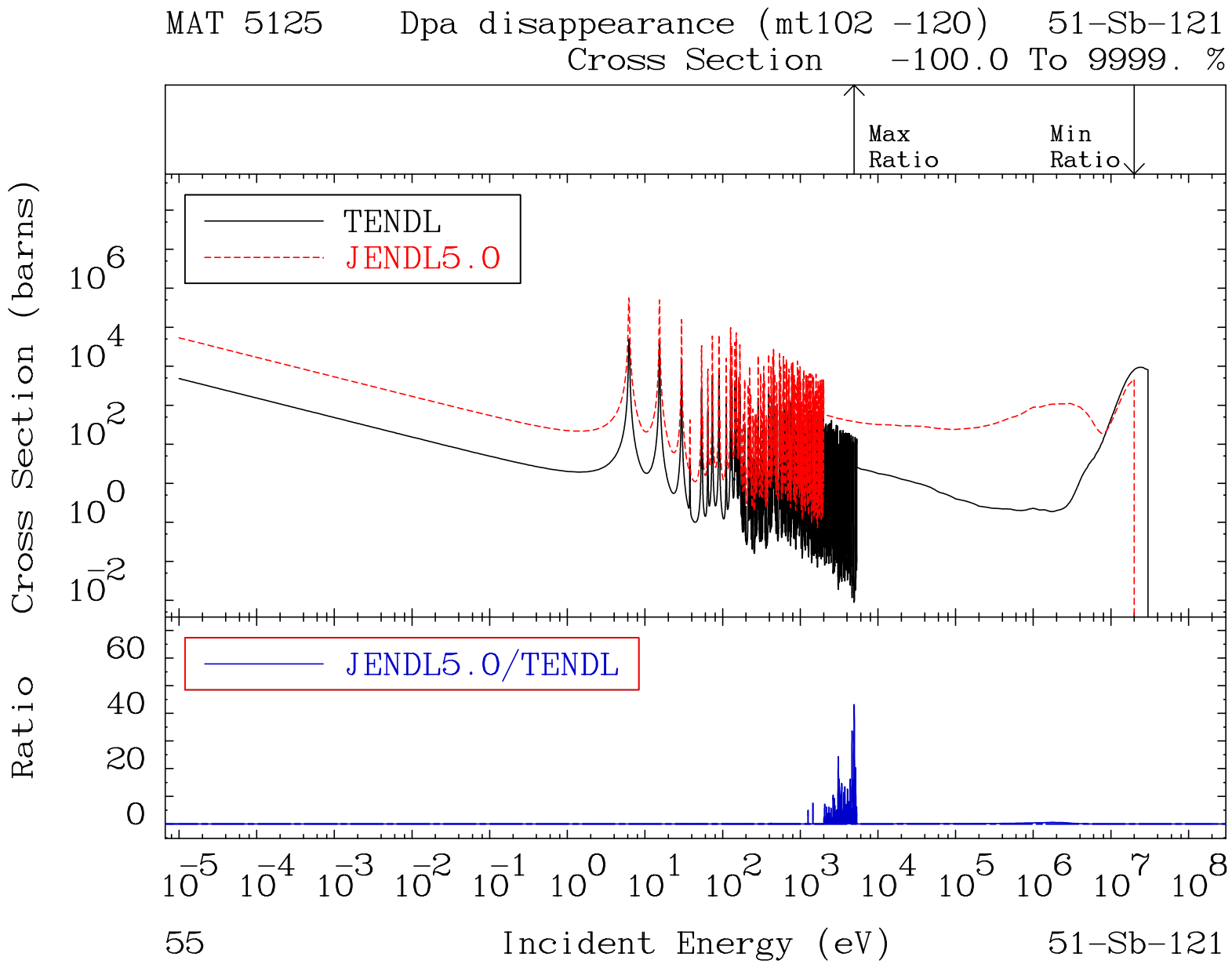

MAT 5125
Total photon (eV-barns)
51-Sb-121
Cross Section -95.48 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
51-Sb-121

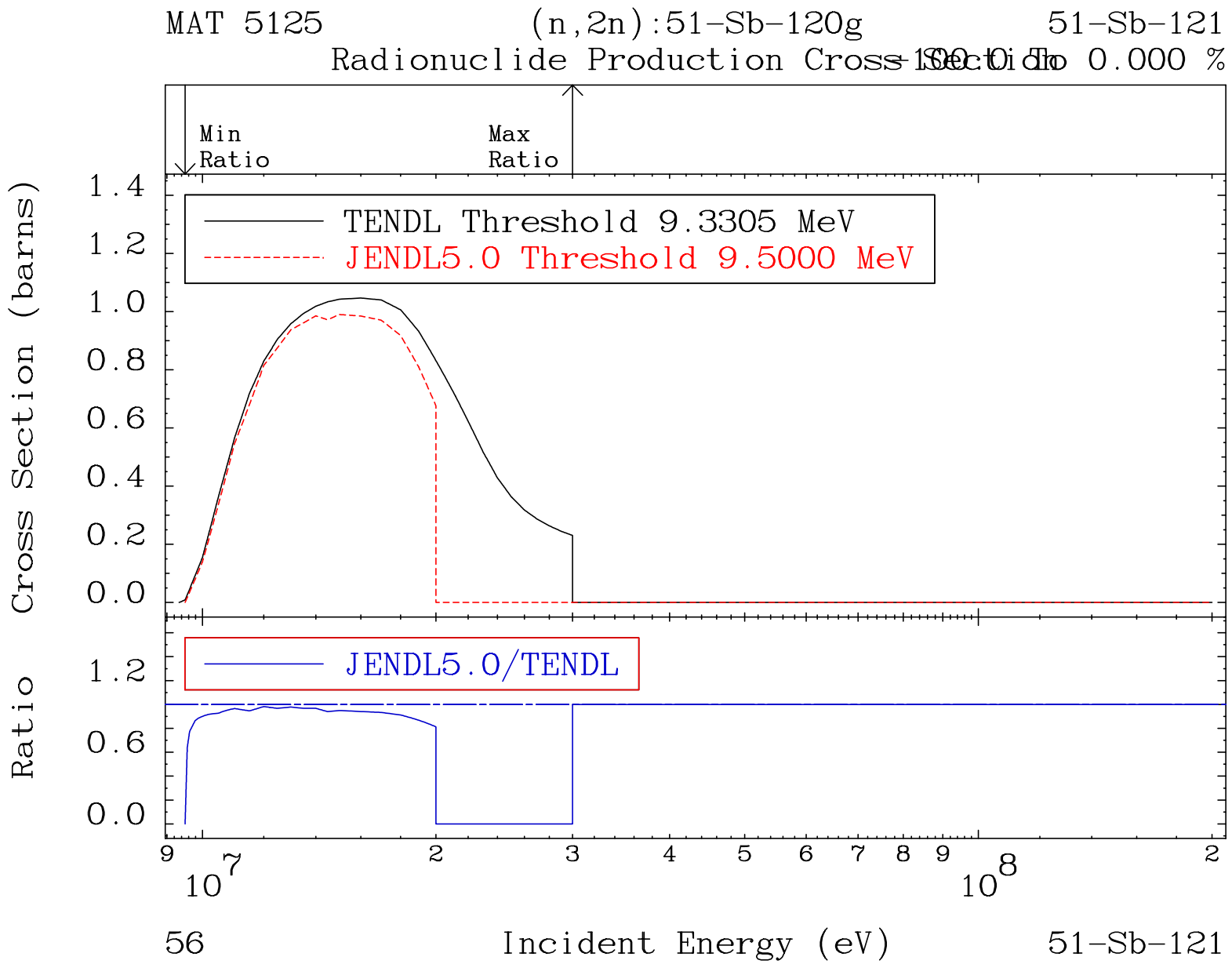

MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
Cross Section -82.30 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
51-Sb-121

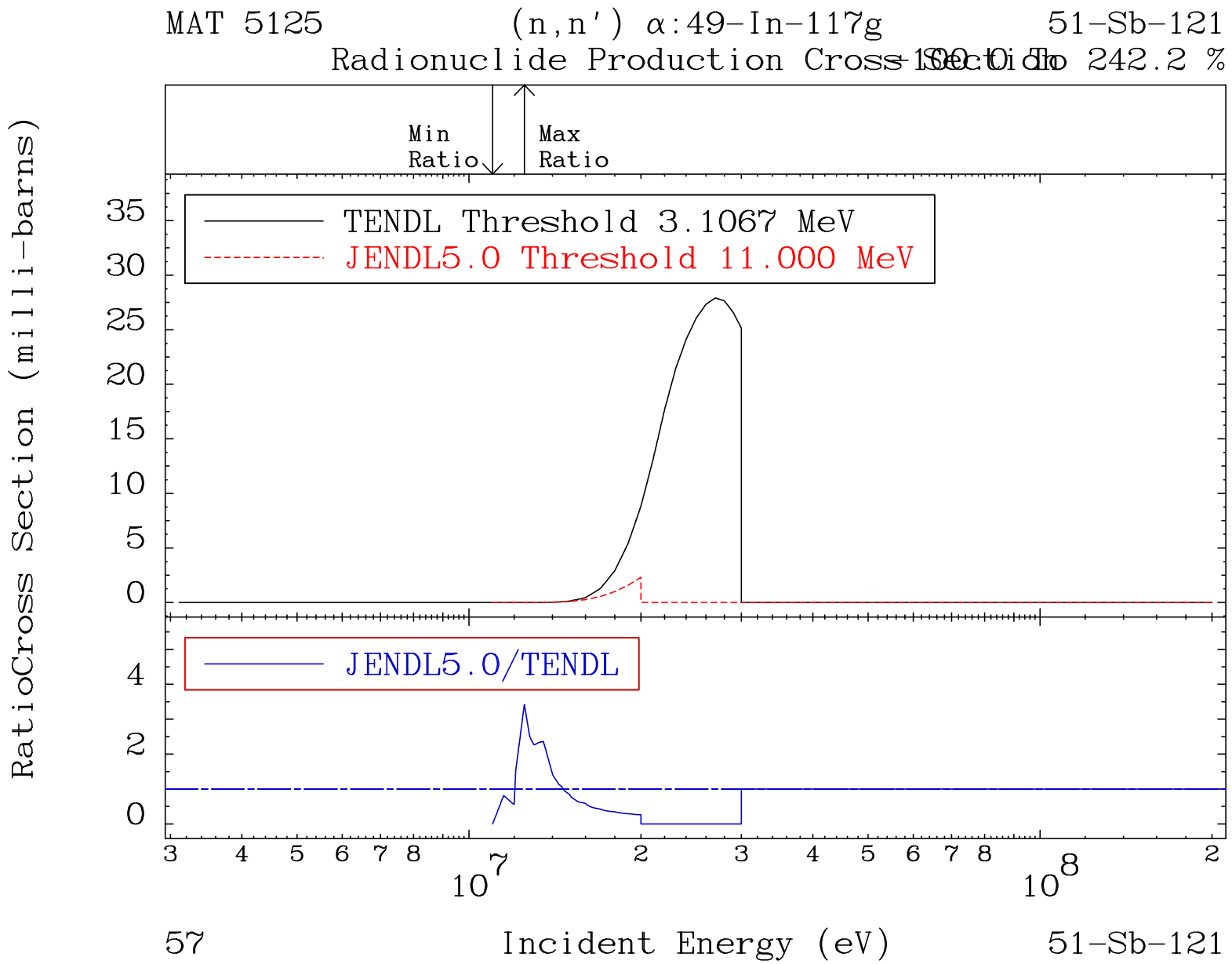

MAT 5125
Dpa total (eV-barns)
51-Sb-121
Cross Section -81.49 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
51-Sb-121

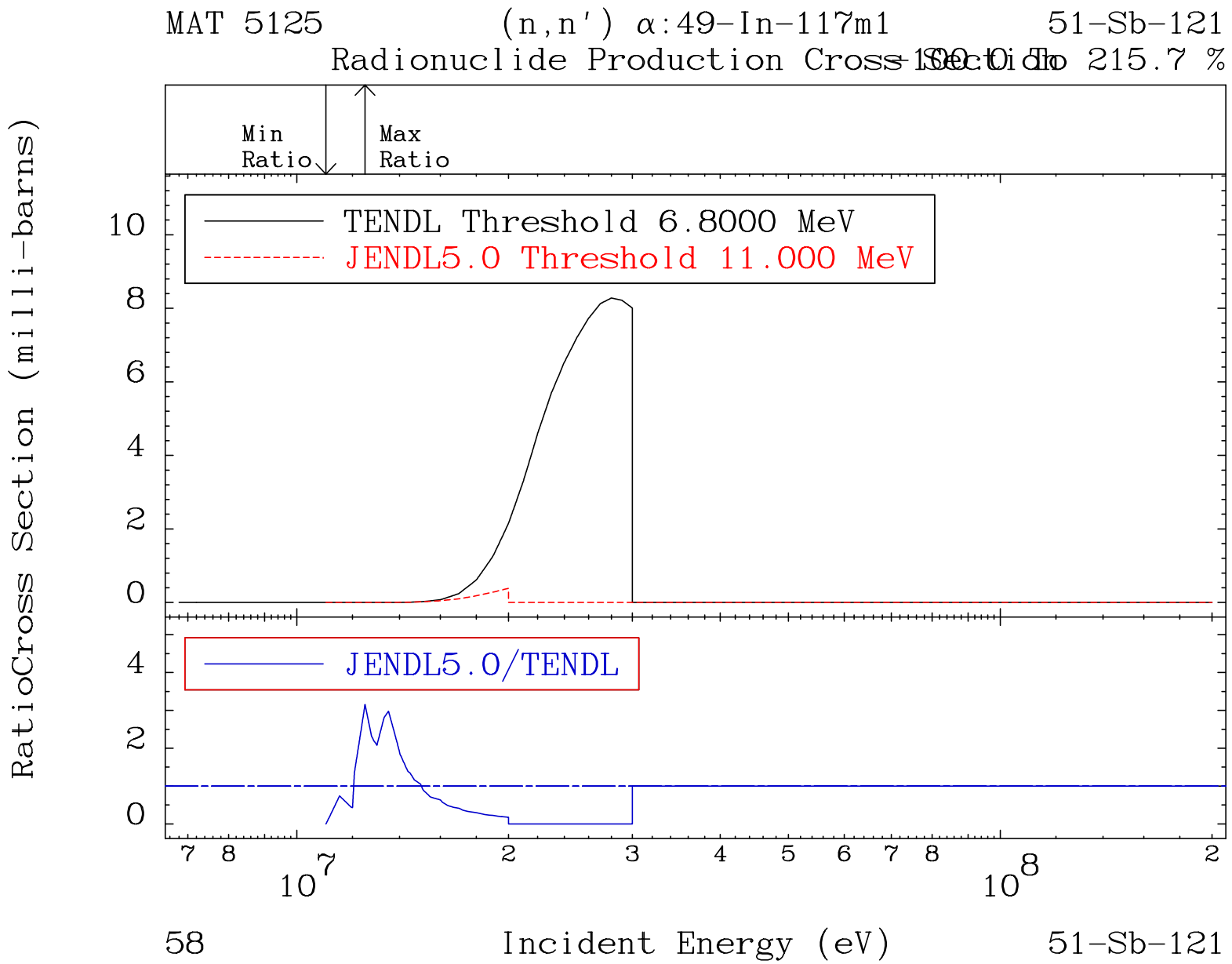

MAT 5125
Dpa elastic (mt2)
Cross Section
51-Sb-121
-95.17 To 3456. %
Max Ratio
Min Ratio
TENDL Threshold 740.20 eV
JENDL5.0 Threshold 700.42 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
51-Sb-121

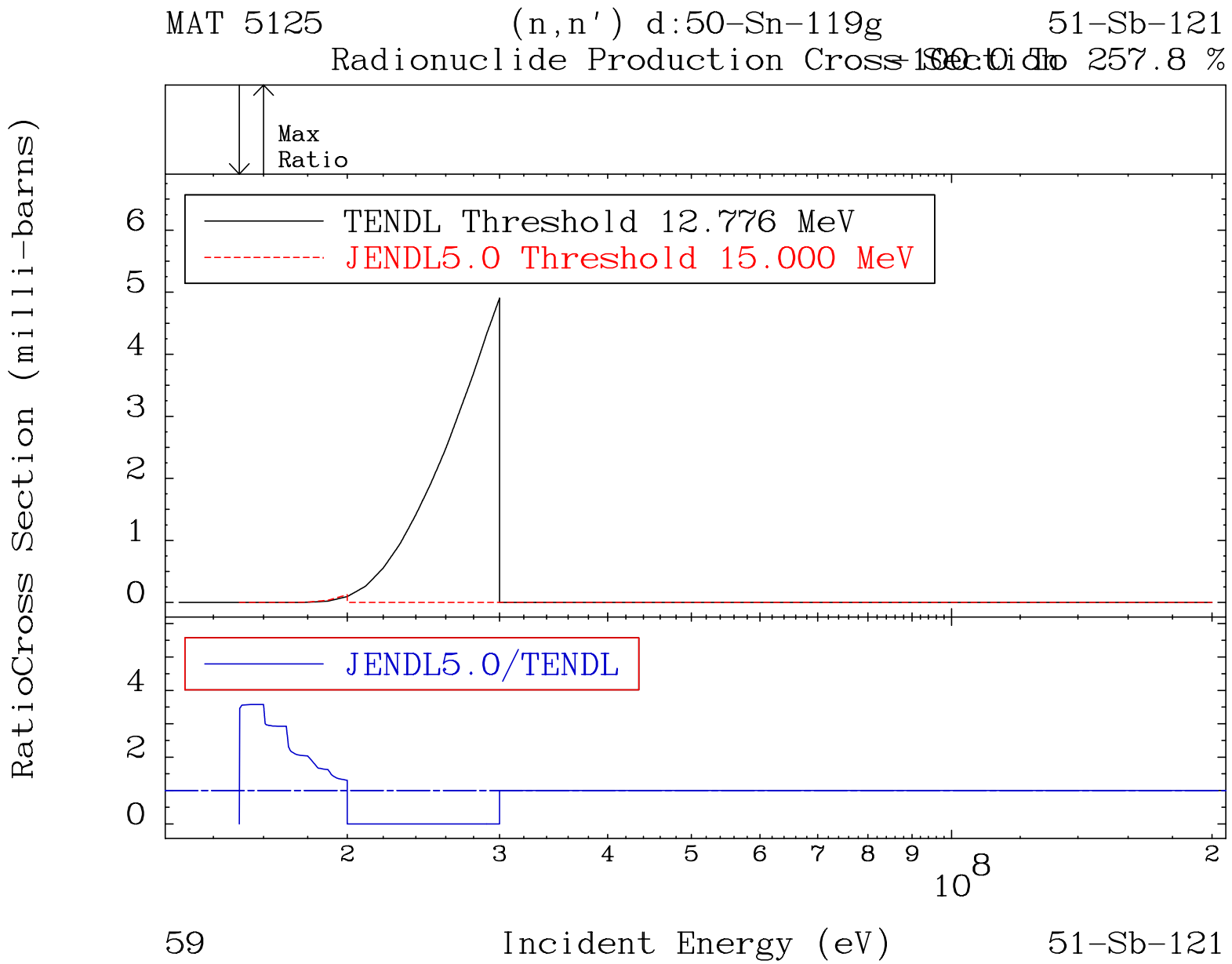

MAT 5125
Dpa inelastic (mt51-91)
51-Sb-121
Cross Section -100.0 To 336.0 %
Max Ratio
Min Ratio
TENDL Threshold 37.440 keV
JENDL5.0 Threshold 37.440 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
51-Sb-121

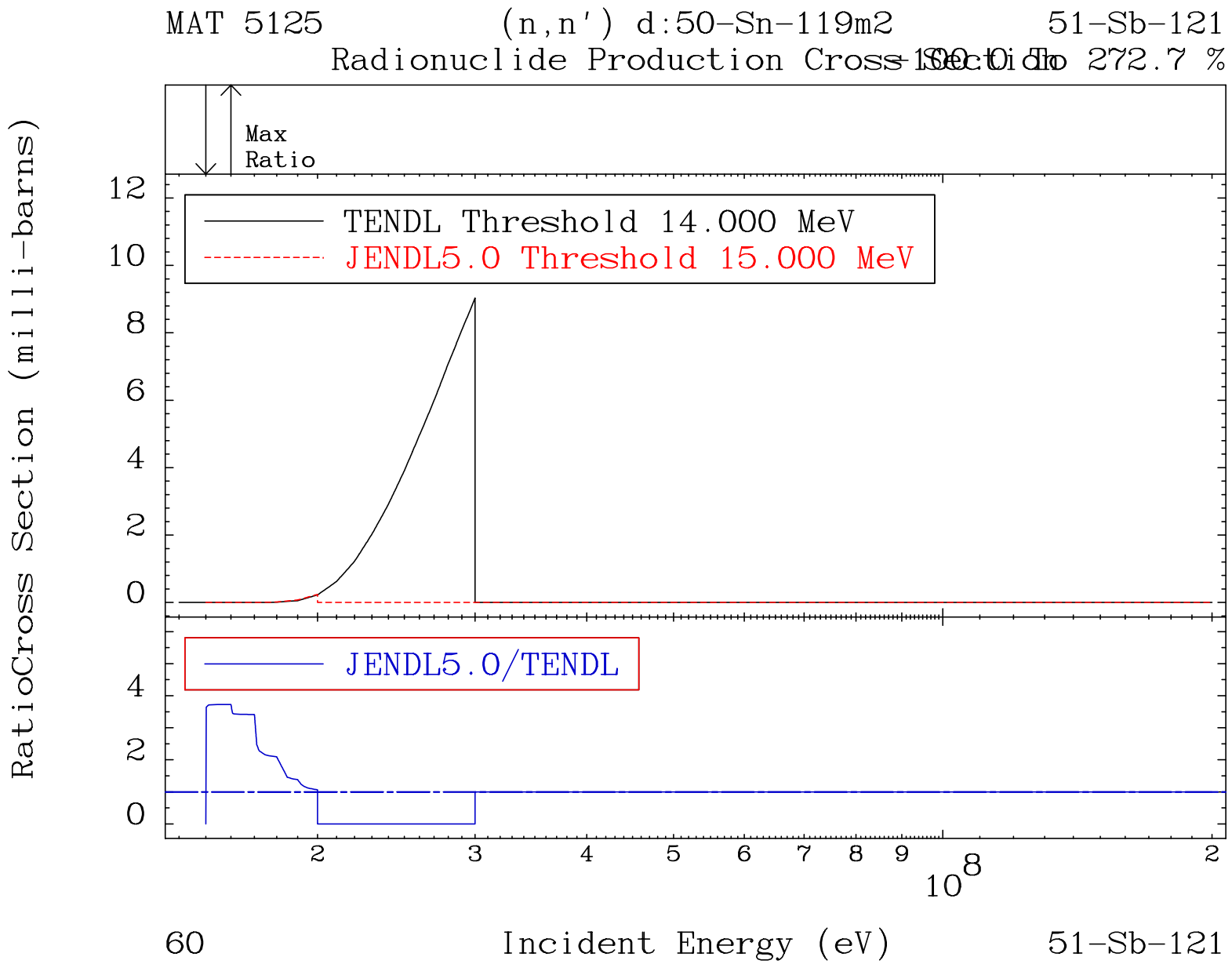

MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
51-Sb-121

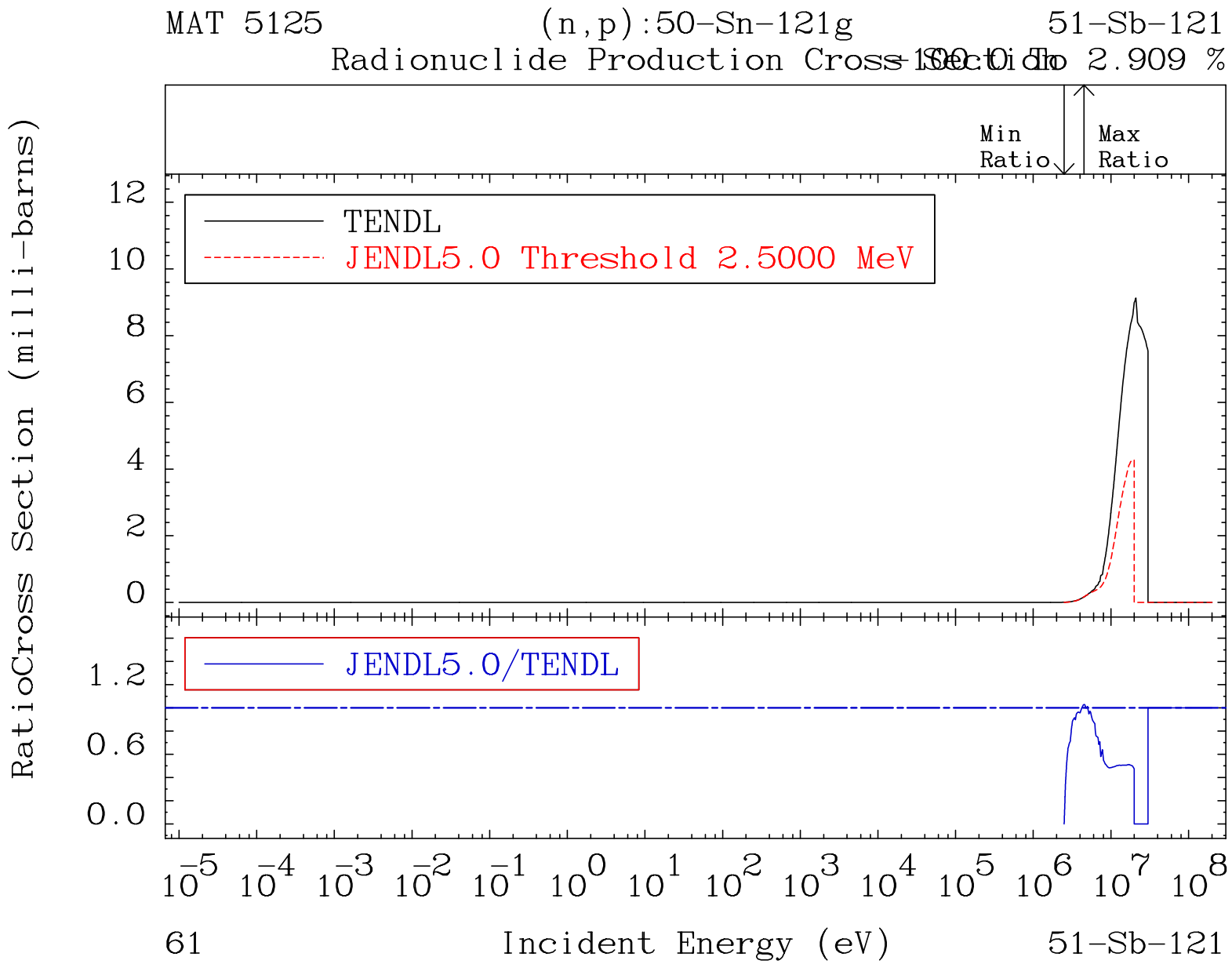

MAT 5125
(n,2n):51-Sb-120g
51-Sb-121
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.3305 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
51-Sb-121

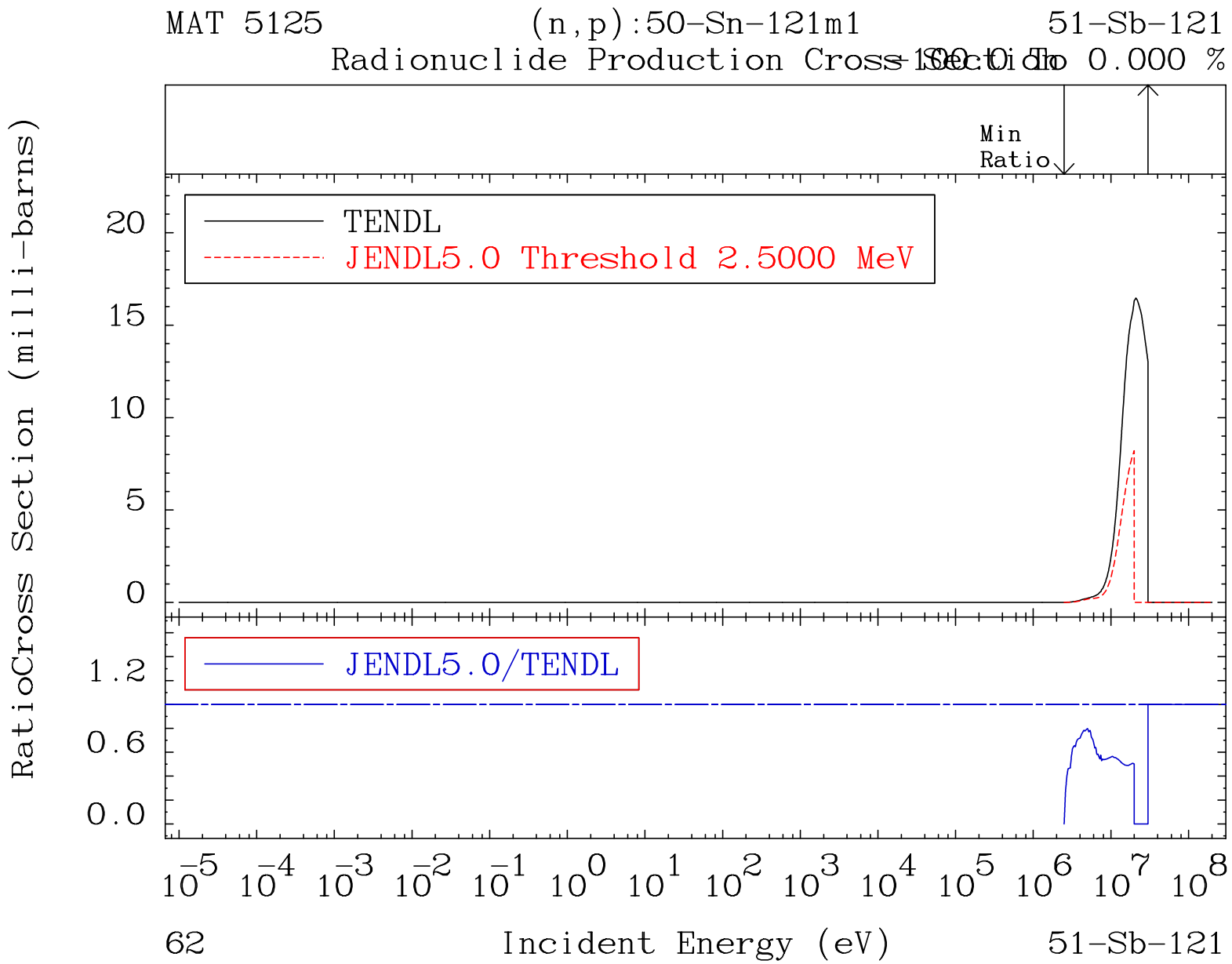

MAT 5125
(n,n') α:49-In-117g
51-Sb-121
Radionuclide Production Cross Section To 242.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.1067 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
57
Incident Energy (eV)
51-Sb-121

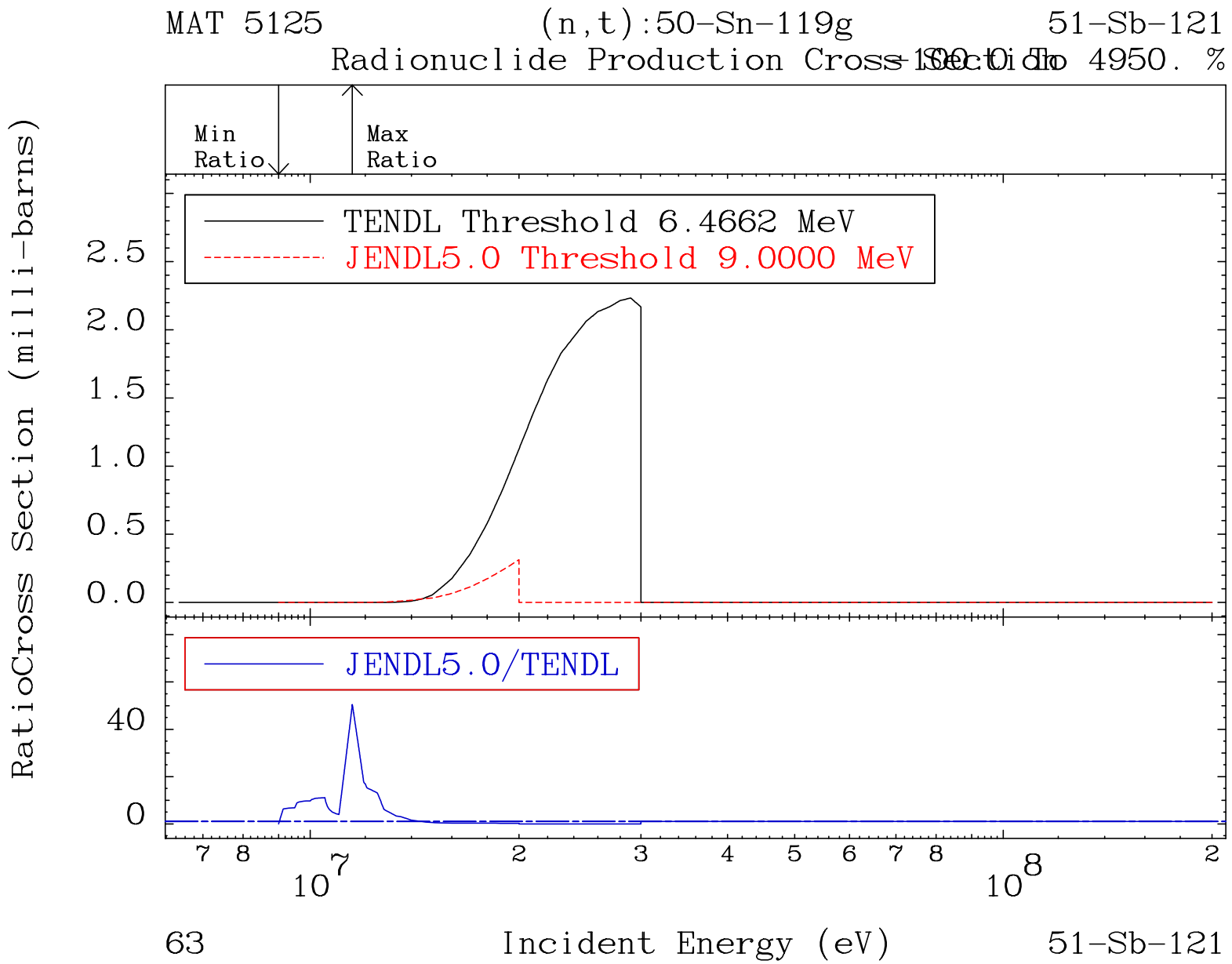

MAT 5125
(n,n') α:49-In-117m1
51-Sb-121
Radionuclide Production Cross Section To 215.7 %
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
51-Sb-121

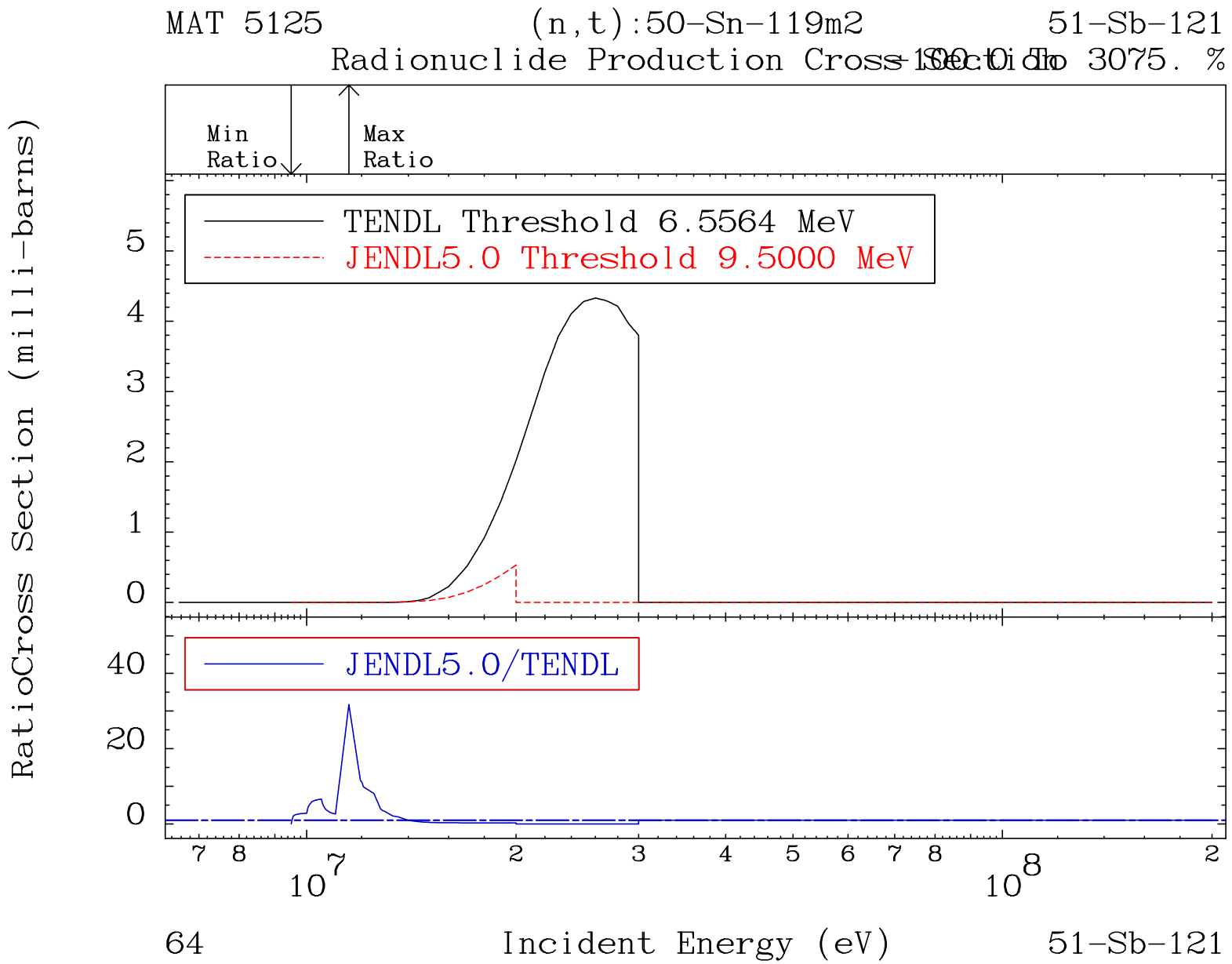

MAT 5125
(n,n') d:50-Sn-119g
51-Sb-121
Radionuclide Production Cross Section To 257.8 %
Max
Ratio
TENDL Threshold 12.776 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
51-Sb-121

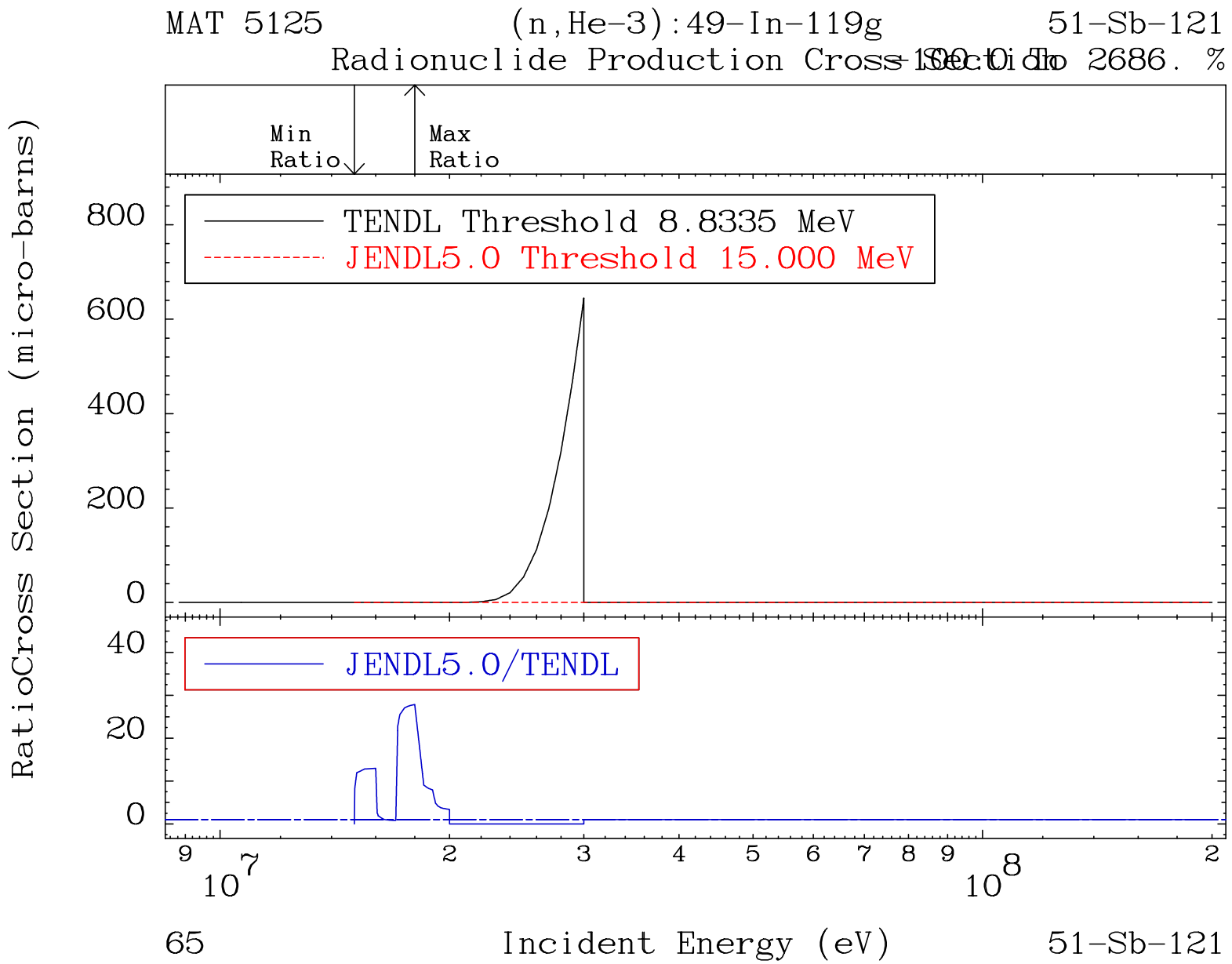

MAT 5125
(n,n') d:50-Sn-119m2
51-Sb-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 14.000 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
51-Sb-121

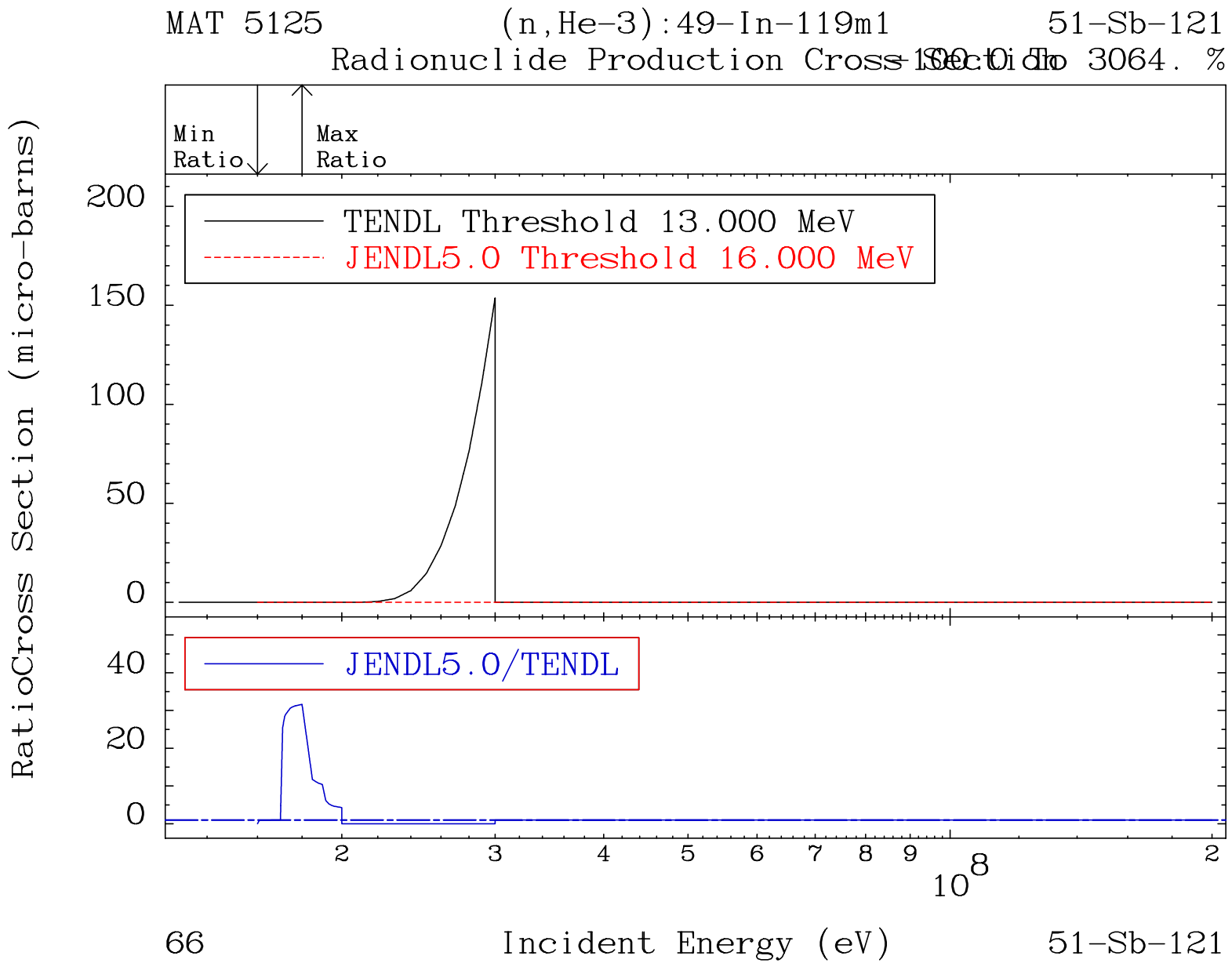

MAT 5125
(n,p):50-Sn-121g
51-Sb-121
Radionuclide Production Cross Section To 2.909 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
51-Sb-121

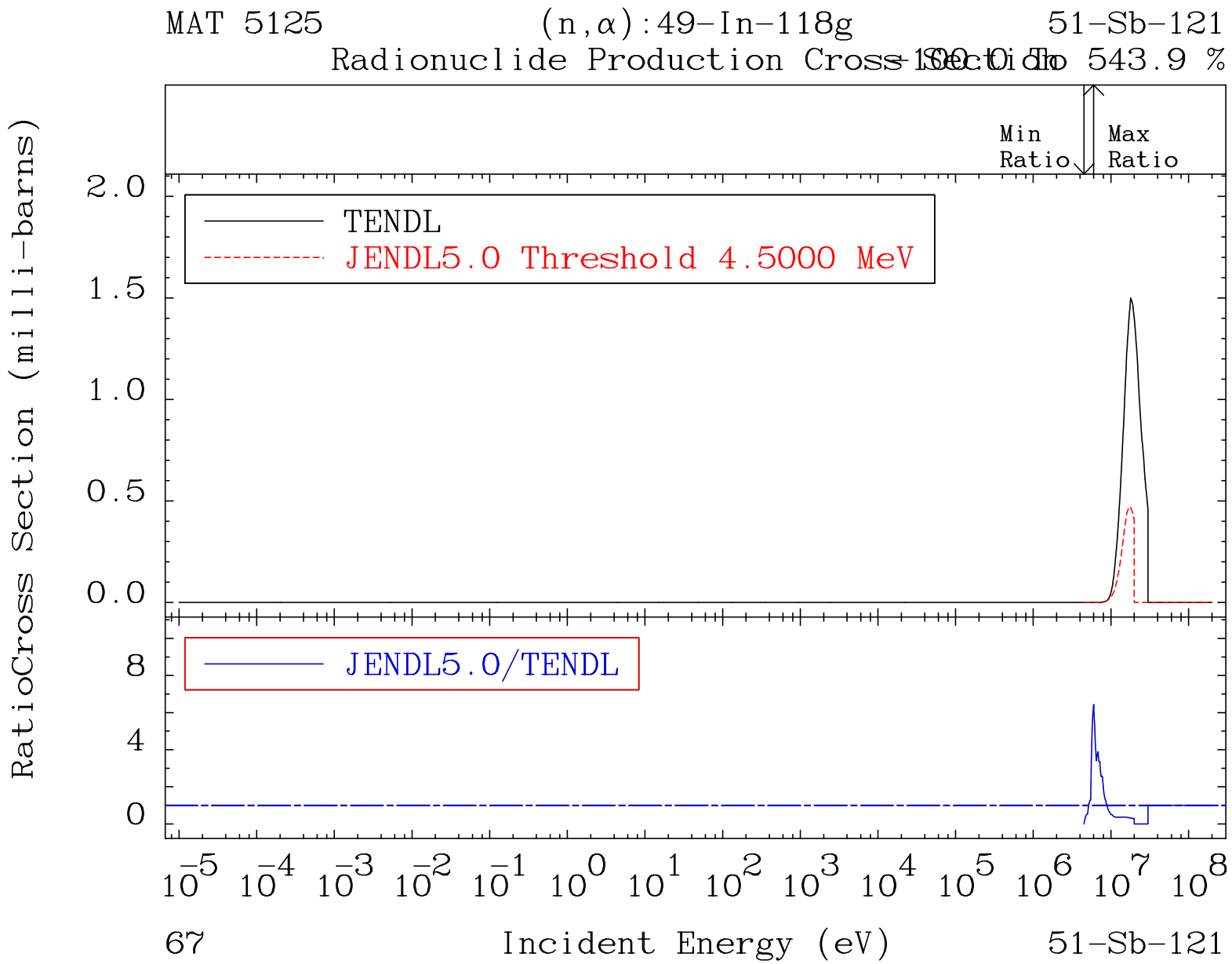

MAT 5125
(n,p):50-Sn-121m1
51-Sb-121
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min
Ratio
TENDL
JENDL5.0 Threshold 2.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
62
Incident Energy (eV)
51-Sb-121

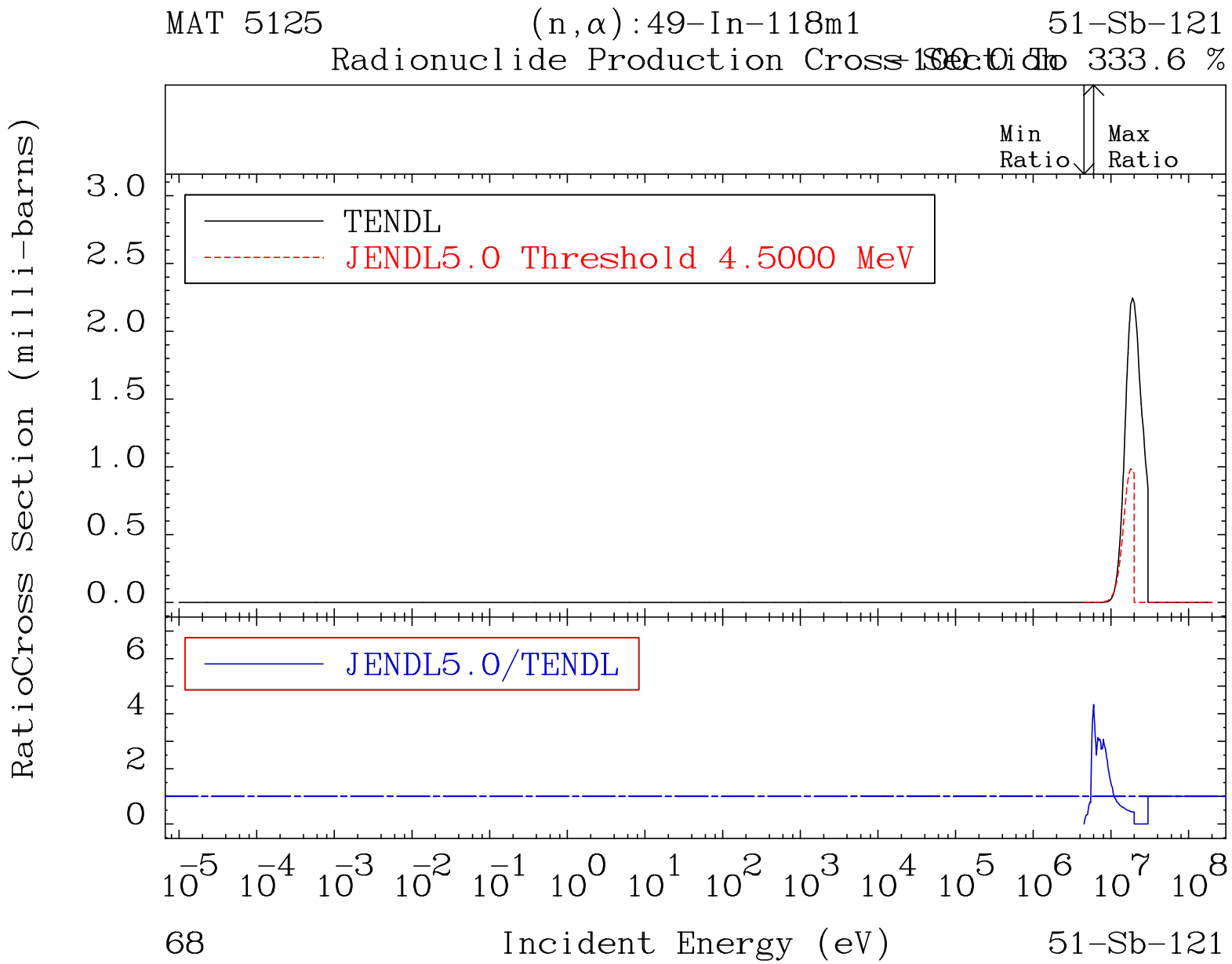

MAT 5125
(n,t):50-Sn-119g
51-Sb-121
Radionuclide Production Cross Section To 4950. %
Min Ratio
Max Ratio
TENDL Threshold 6.4662 MeV
JENDL5.0 Threshold 9.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
40
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
63
Incident Energy (eV)
51-Sb-121

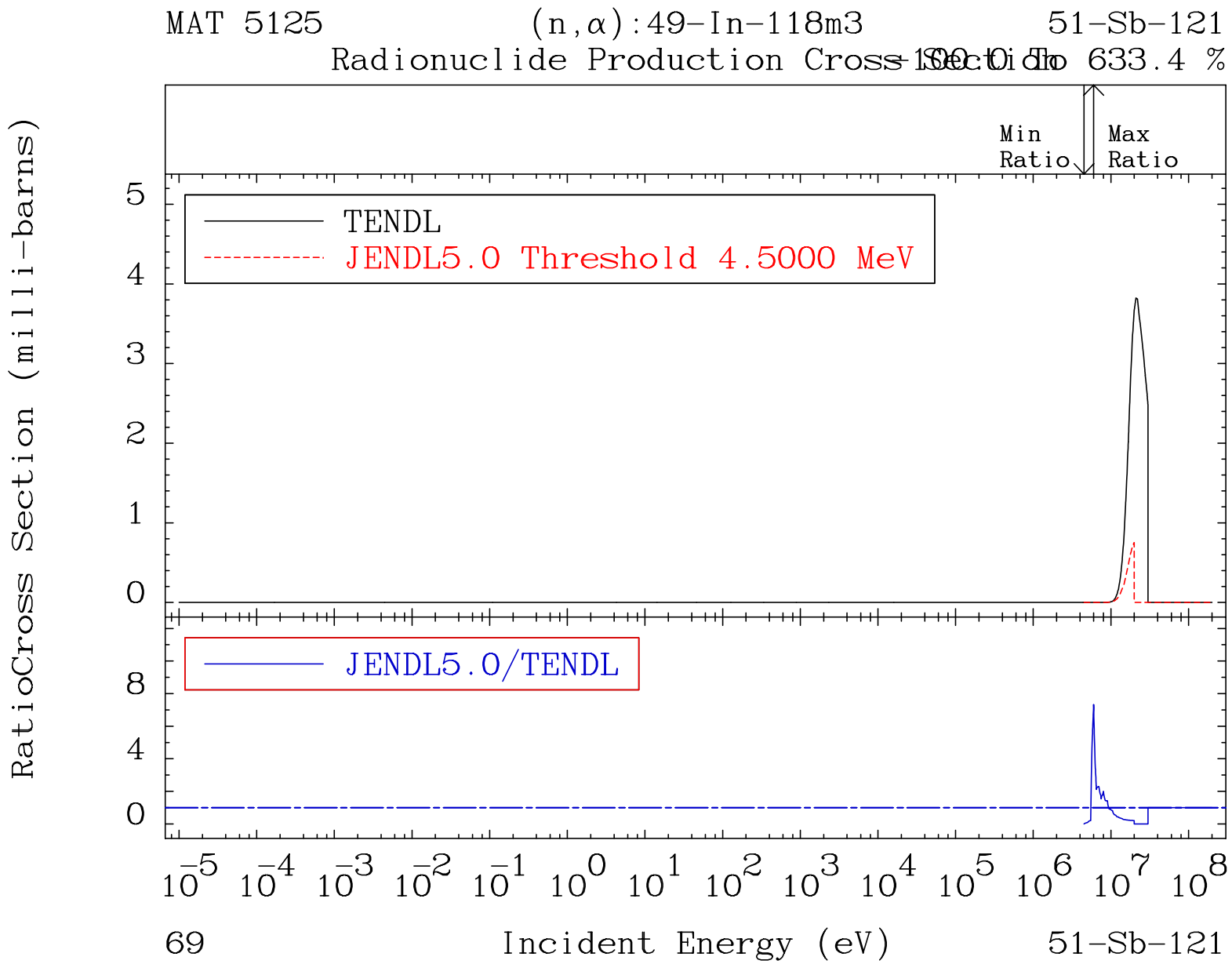

MAT 5125
(n,t):50-Sn-119m2
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.5564 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
51-Sb-121

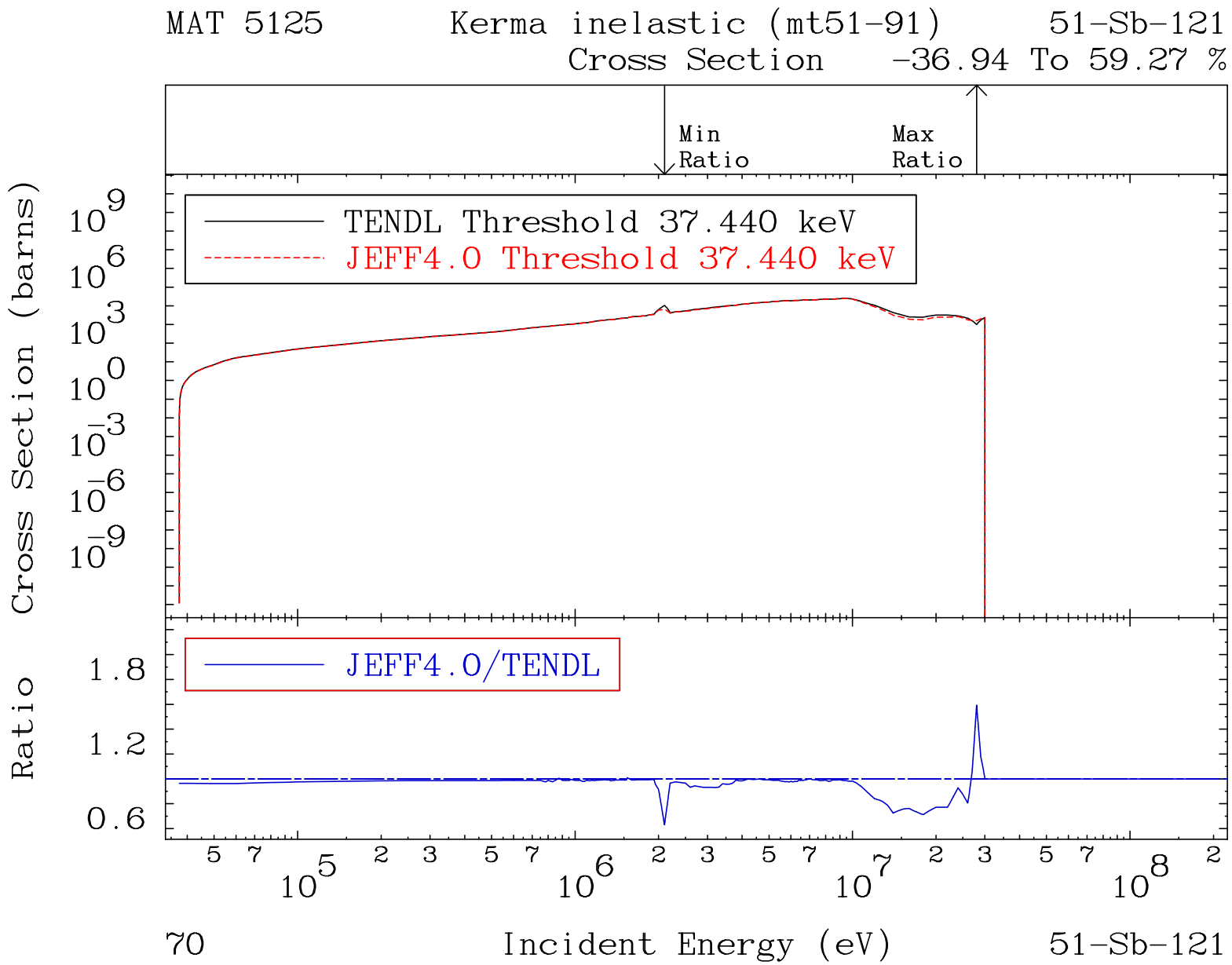

MAT 5125
(n,He-3):49-In-119g
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.8335 MeV
JENDL5.0 Threshold 15.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
65
51-Sb-121

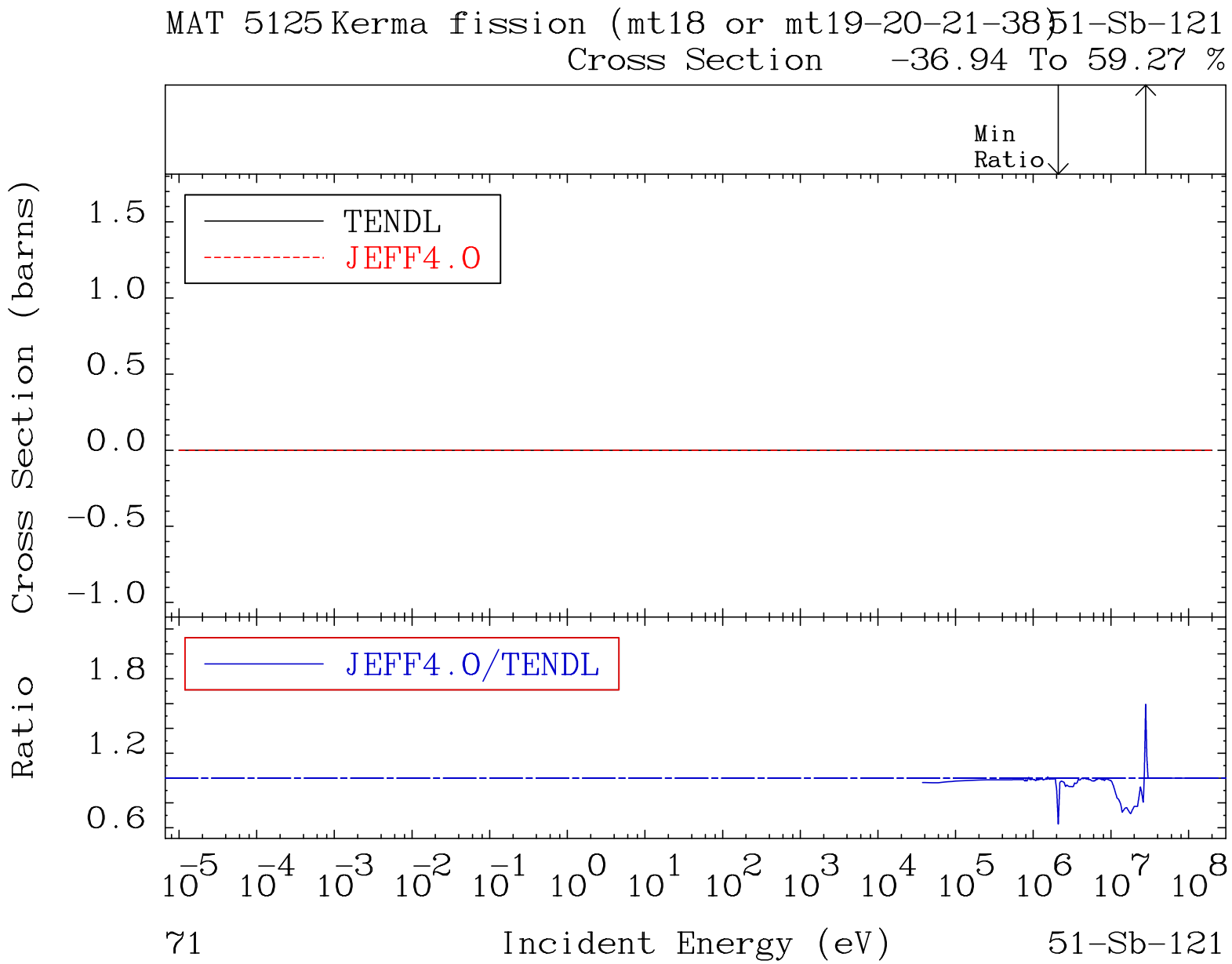

MAT 5125
(n,He-3):49-In-119m1
51-Sb-121
Radionuclide Production Cross Section To 3064. %
Min Ratio
Max Ratio
TENDL Threshold 13.000 MeV
JENDL5.0 Threshold 16.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
51-Sb-121

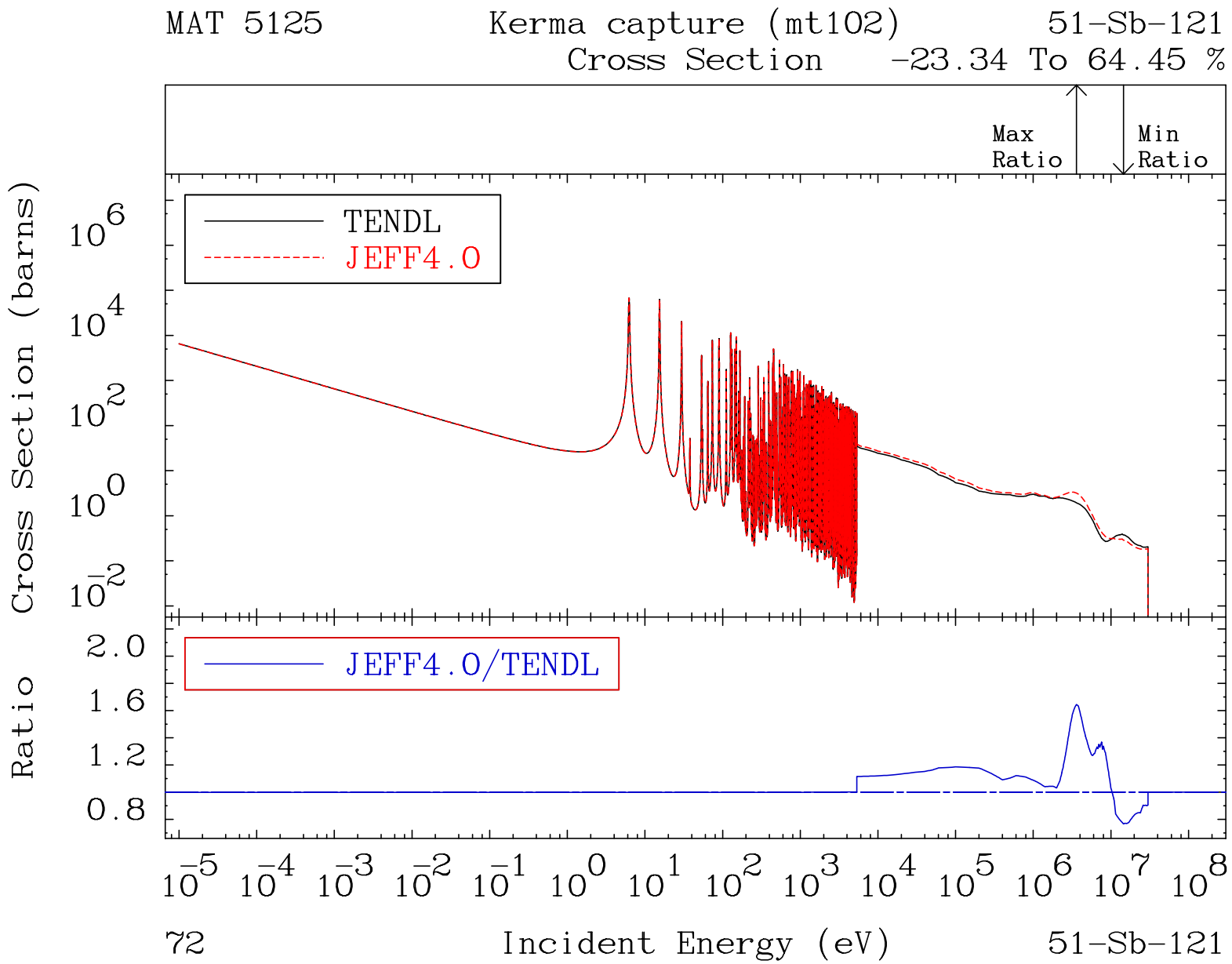

MAT 5125
(n,α):49-In-118g
51-Sb-121
Radionuclide Production Cross Section
Uncertainty 543.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
67
Incident Energy (eV)
51-Sb-121

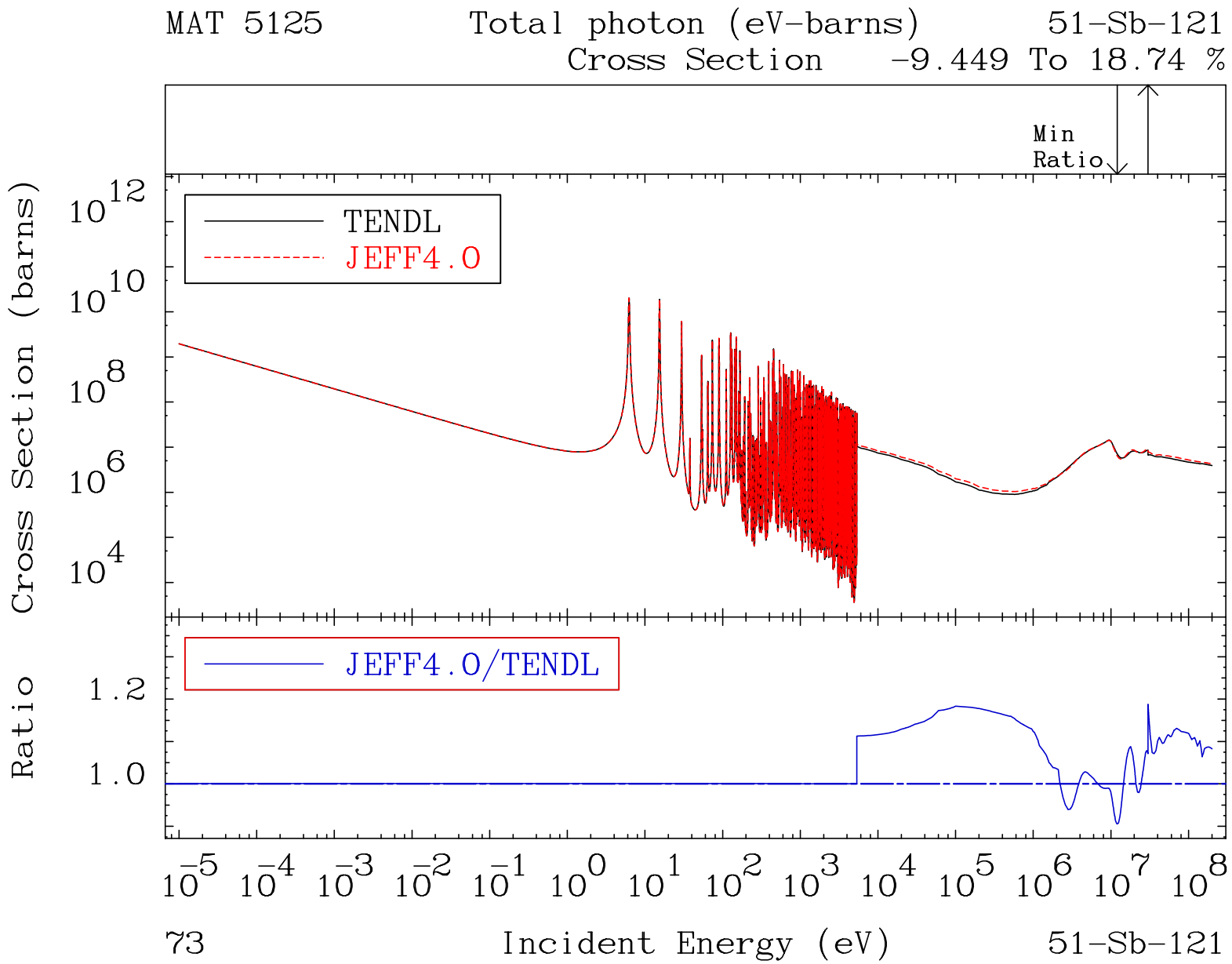

MAT 5125
(n,α):49-In-118m1
51-Sb-121
Radionuclide Production Cross Section
+300.0 To 333.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
68
Incident Energy (eV)
51-Sb-121

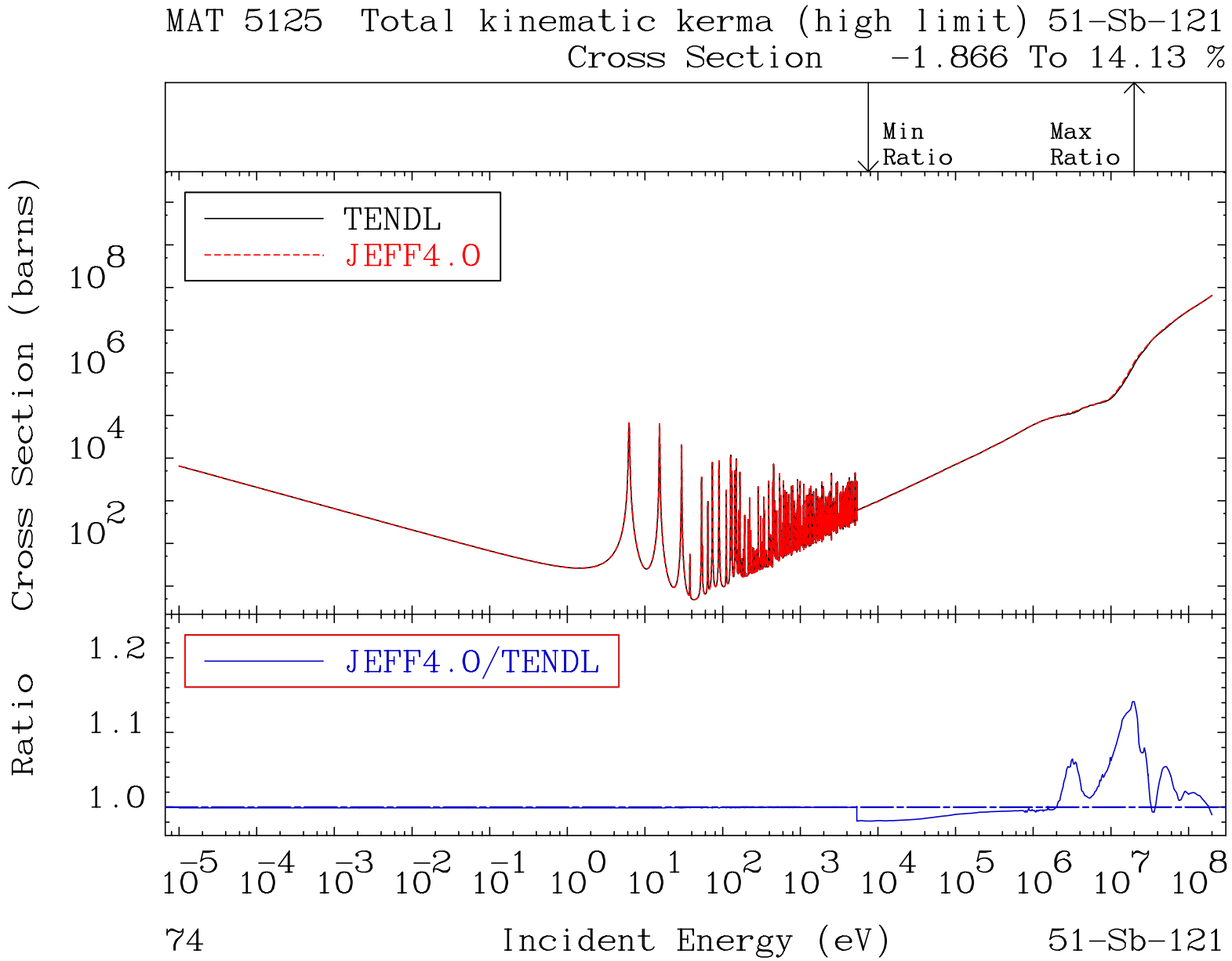

MAT 5125
(n,α):49-In-118m3
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
51-Sb-121

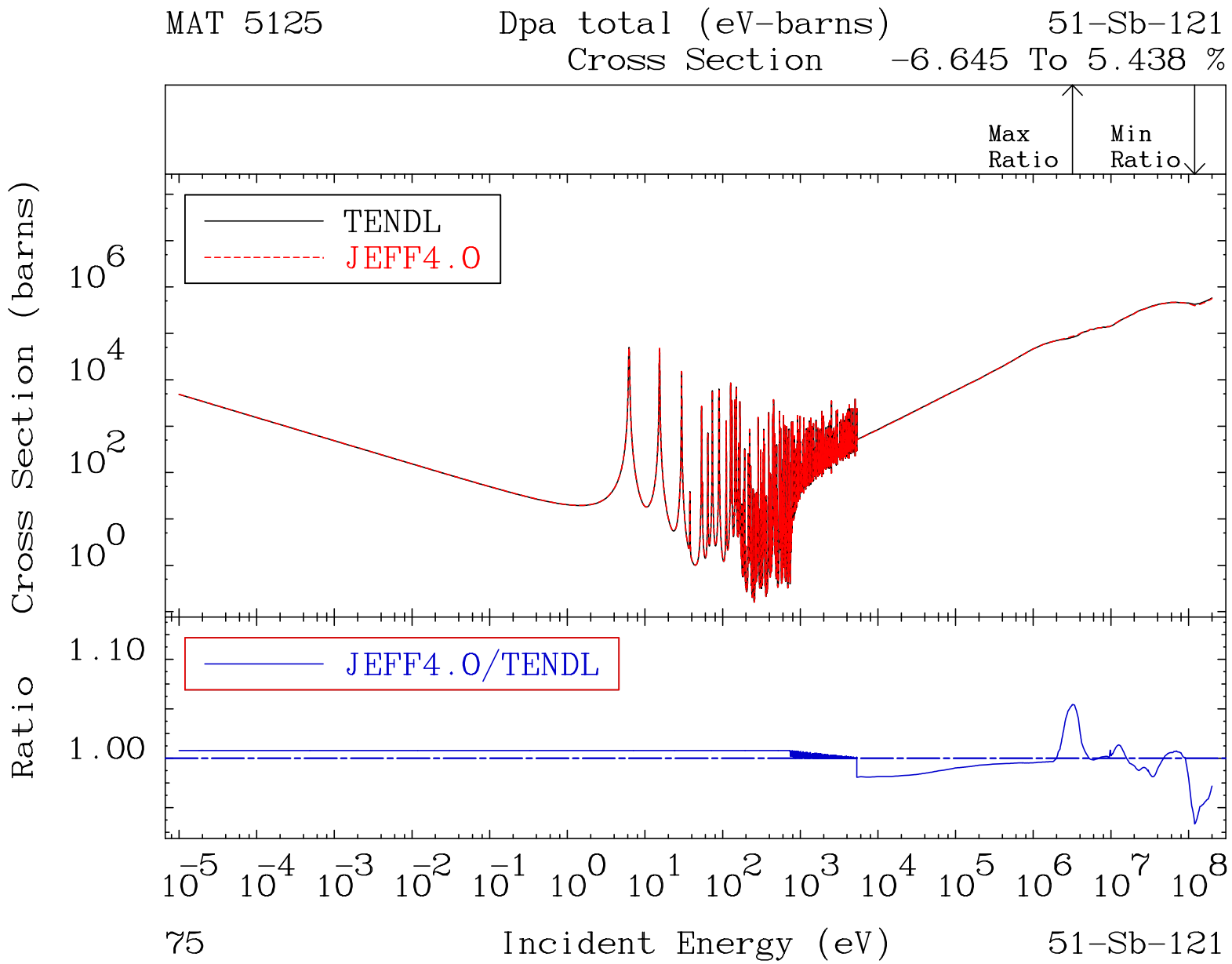

MAT 5125
Kerma inelastic (mt51-91)
51-Sb-121
Cross Section
-36.94 To 59.27 %
Min Ratio
Max Ratio
TENDL Threshold 37.440 keV
JEFF4.0 Threshold 37.440 keV
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
70
51-Sb-121

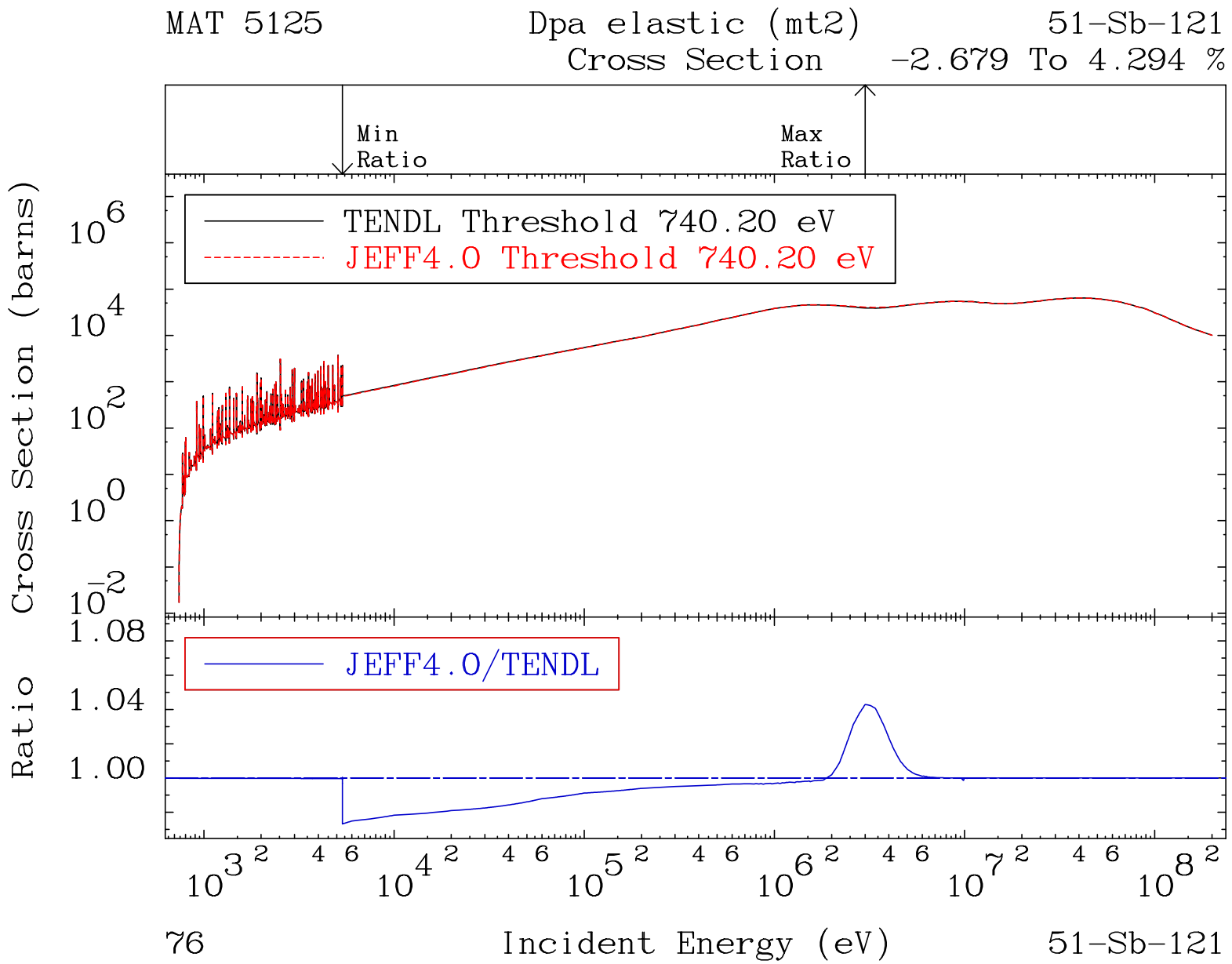

MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121
Cross Section -36.94 To 59.27 %
Min
Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.8
1.2
0.6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
71
Incident Energy (eV)
51-Sb-121

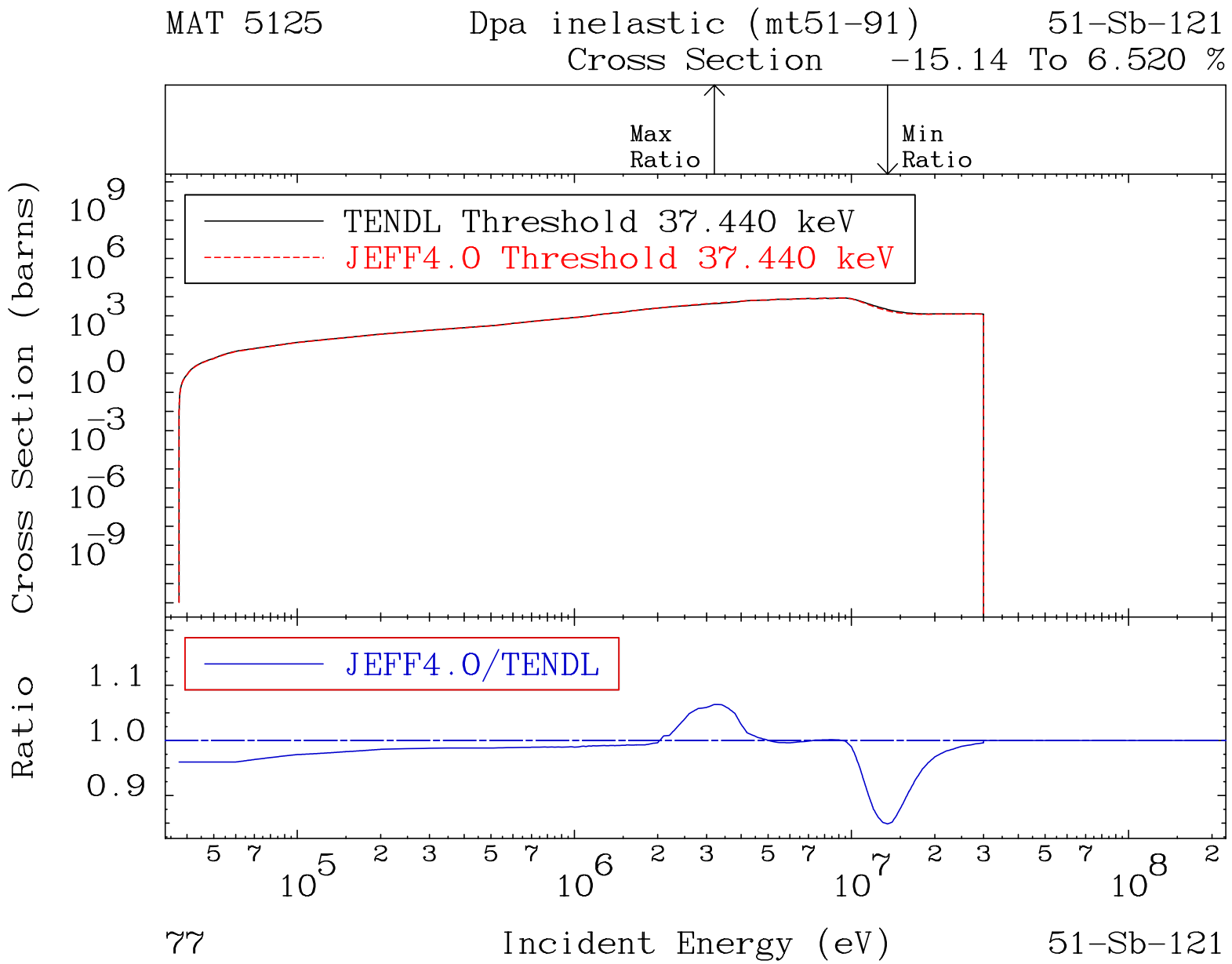

MAT 5125
Kerma capture (mt102)
51-Sb-121
Cross Section
-23.34 To 64.45 %
Max Ratio
Min Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
51-Sb-121

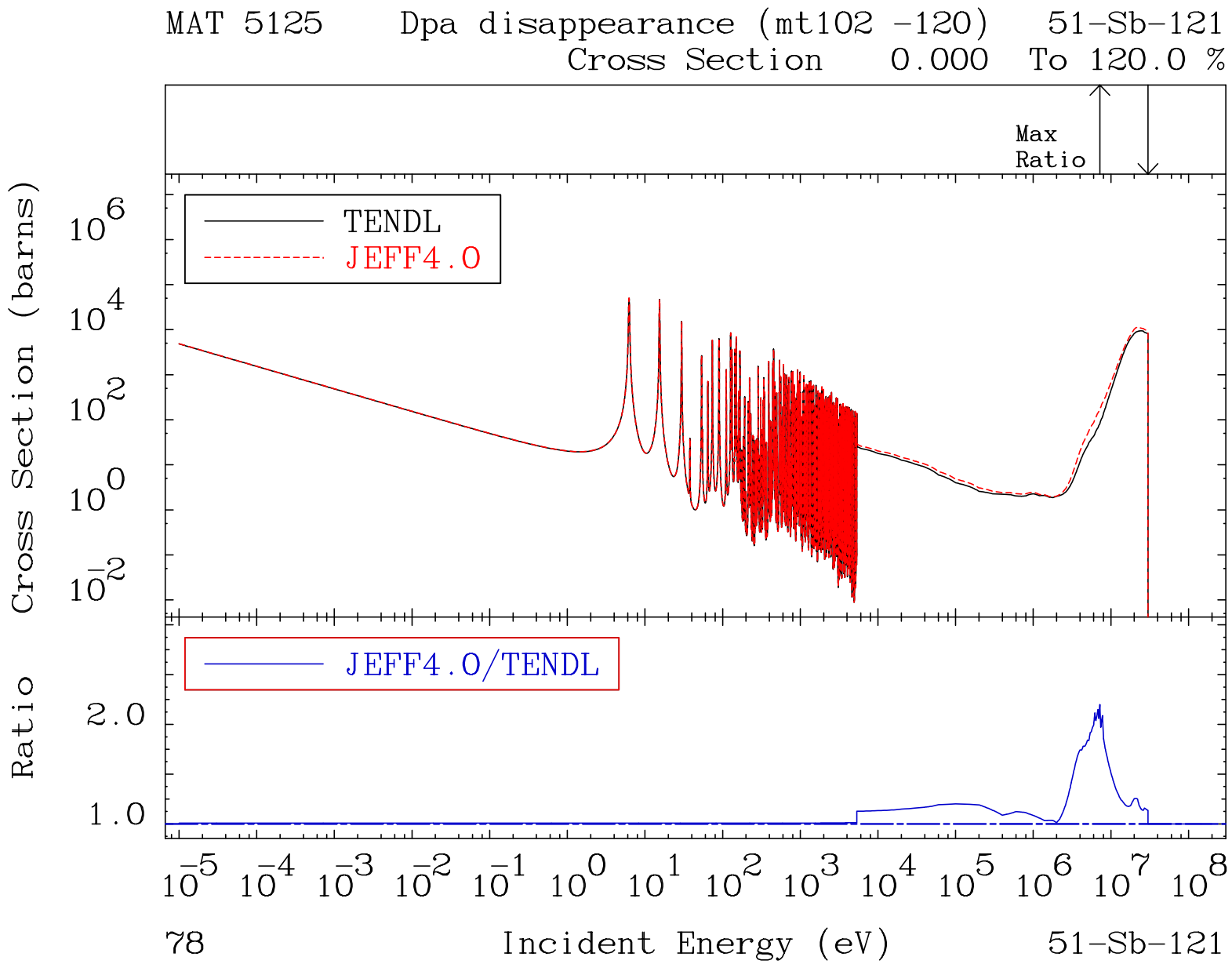

MAT 5125
Total photon (eV-barns)
51-Sb-121
Cross Section -9.449 To 18.74 %
Min
Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
51-Sb-121

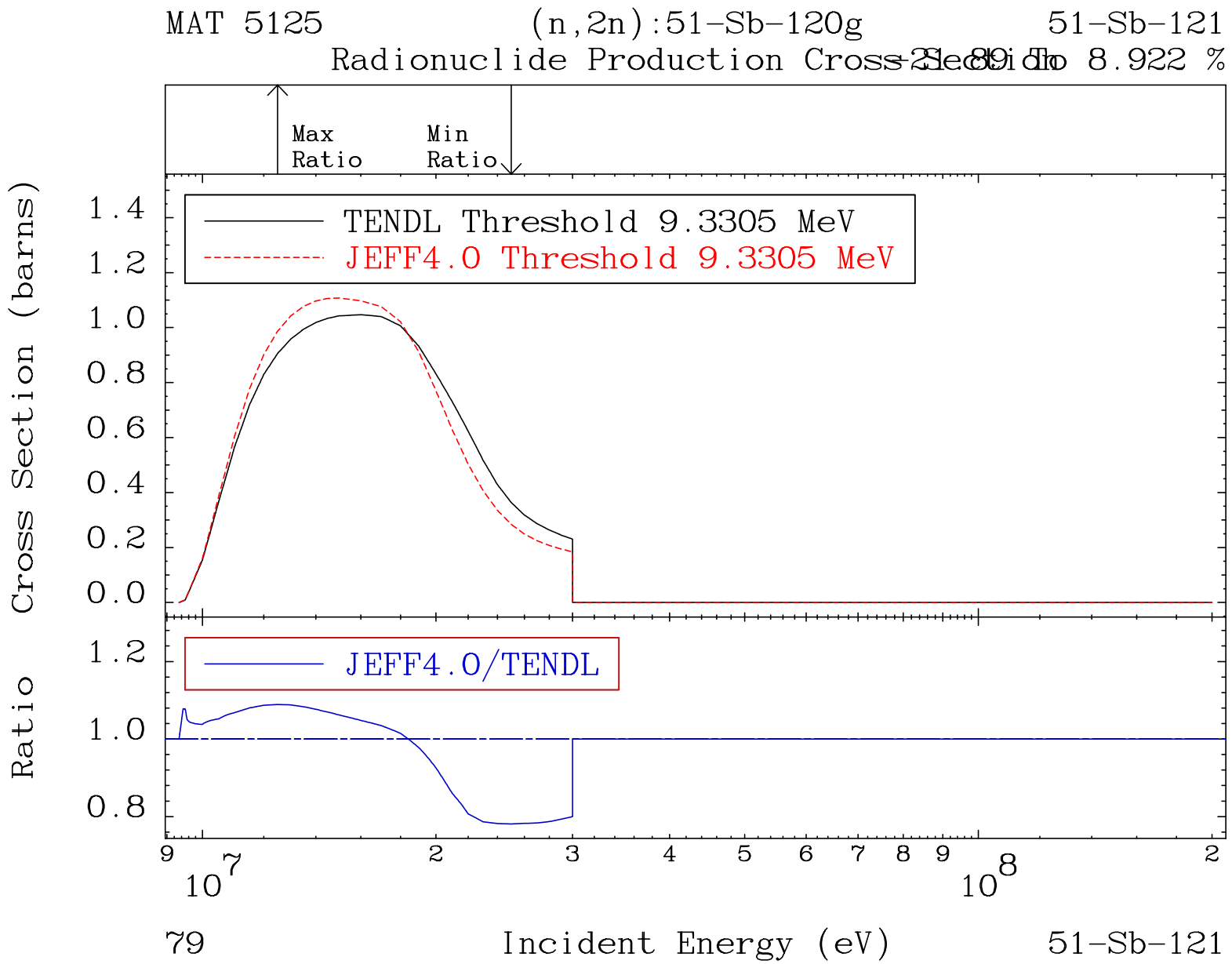

MAT 5125 Total kinematic kerma (high limit) 51-Sb-121
Cross Section -1.866 To 14.13 %
Min Ratio
Max Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
51-Sb-121

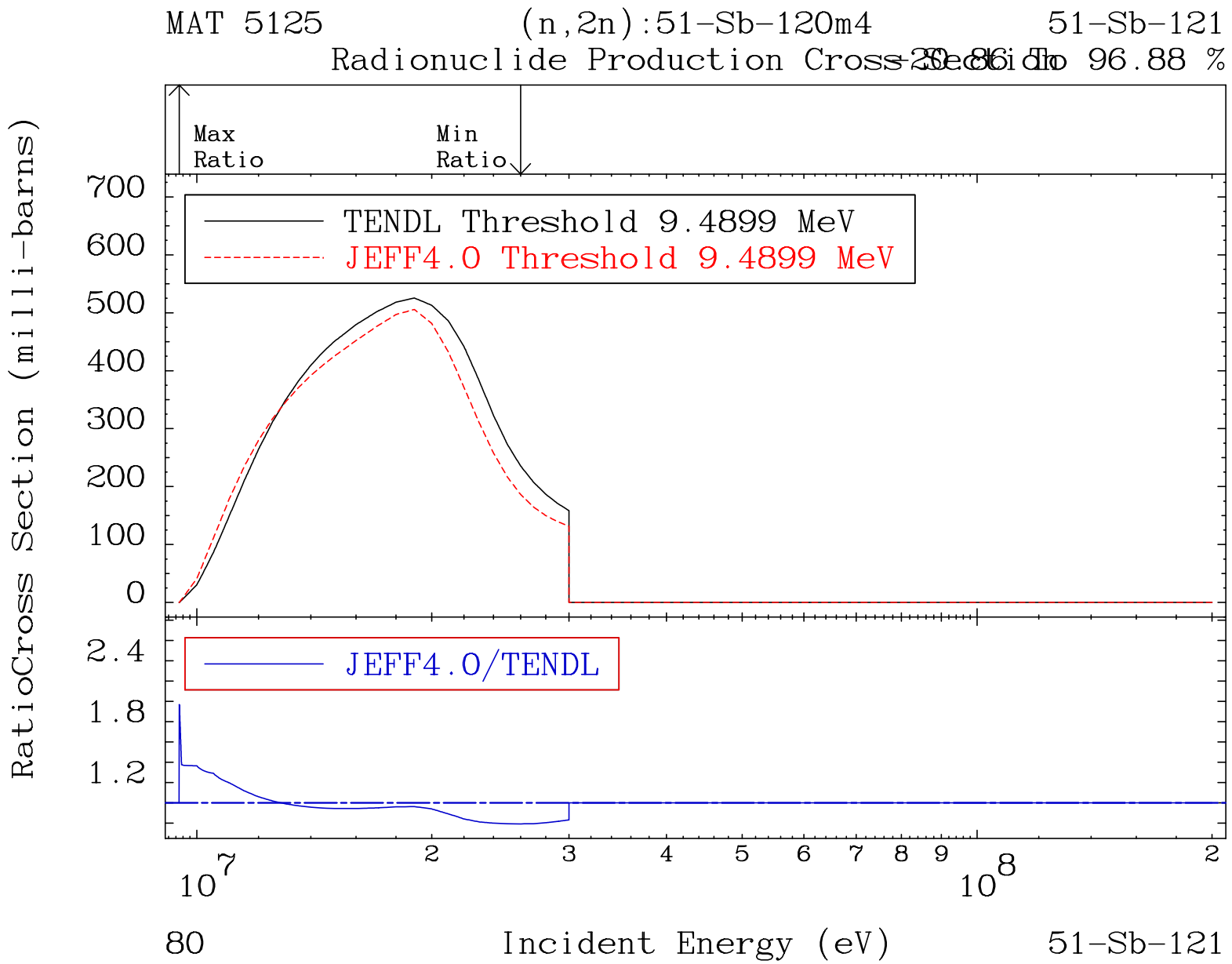

MAT 5125
Dpa total (eV-barns)
51-Sb-121
Cross Section -6.645 To 5.438 %
Max Ratio
Min Ratio
TENDL
JEFF4.0
Cross Section (barns)
10^6
10^4
10^2
10^0
JEFF4.0/TENDL
Ratio
1.10
1.00
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
75
Incident Energy (eV)
51-Sb-121

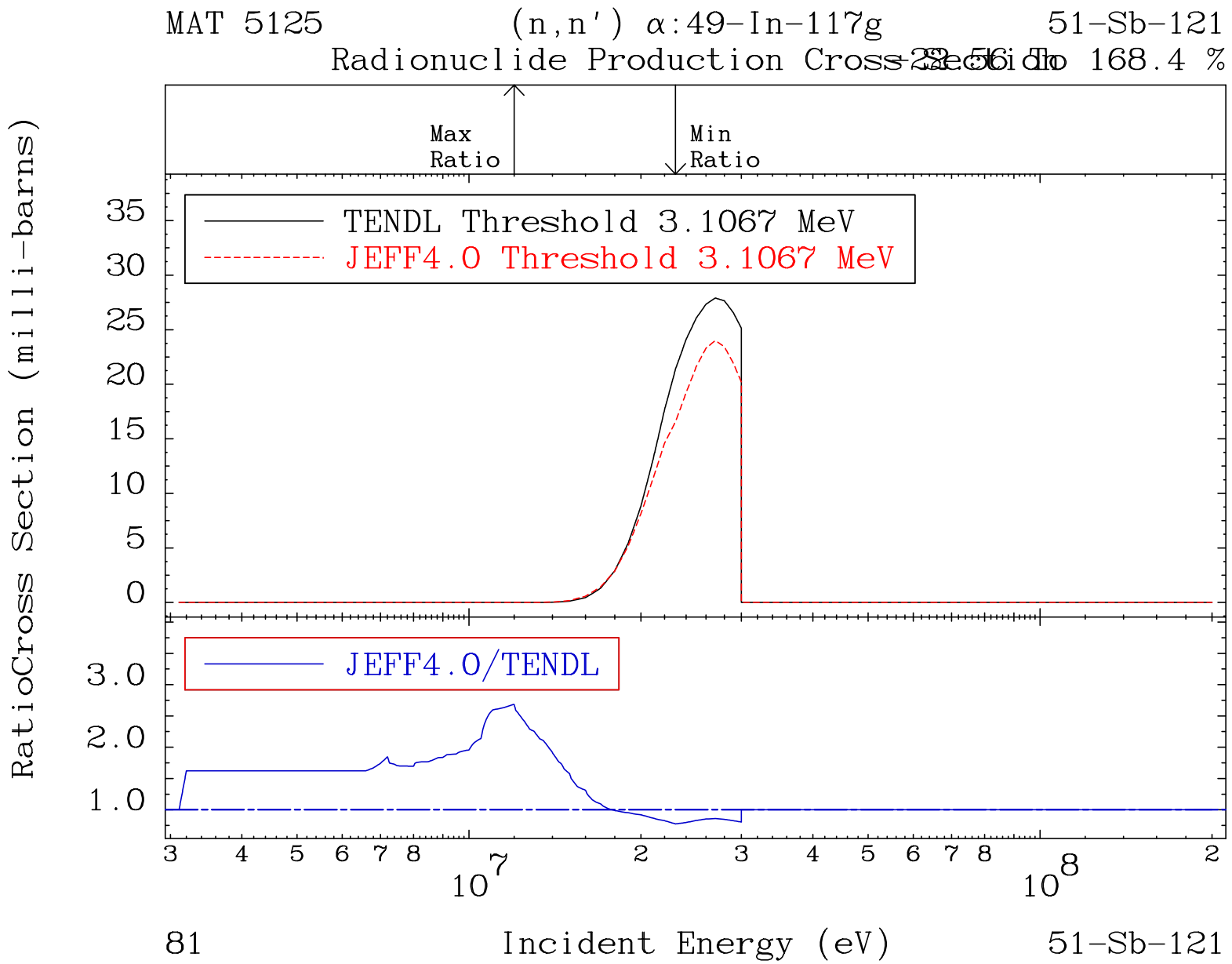

MAT 5125
Dpa elastic (mt2)
Cross Section
51-Sb-121
-2.679 To 4.294 %
Min Ratio
Max Ratio
TENDL Threshold 740.20 eV
JEFF4.0 Threshold 740.20 eV
JEFF4.0/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
76
51-Sb-121

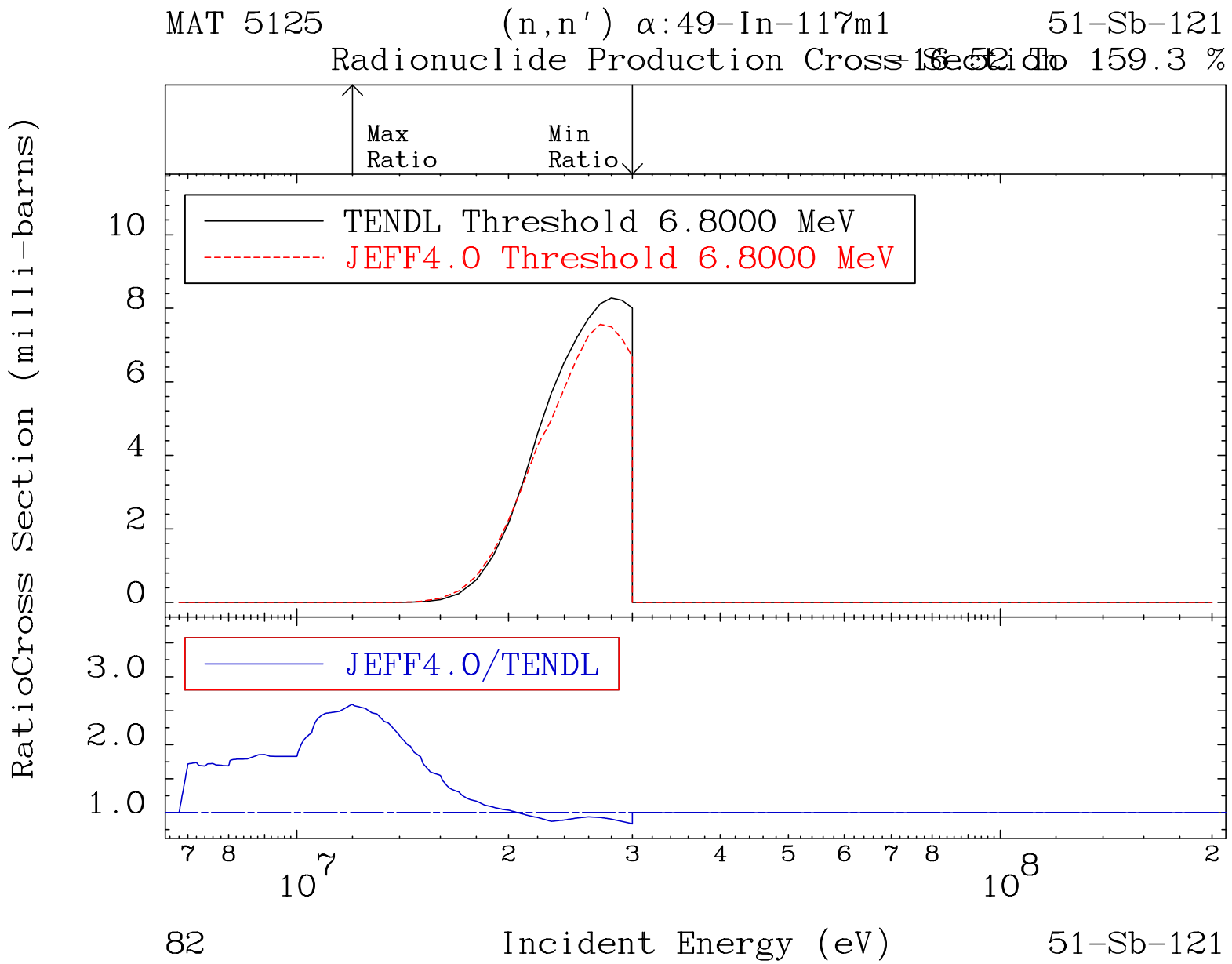

MAT 5125
Dpa inelastic (mt51-91)
51-Sb-121
Cross Section -15.14 To 6.520 %
Max Ratio
Min Ratio
TENDL Threshold 37.440 keV
JEFF4.0 Threshold 37.440 keV
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
77
51-Sb-121

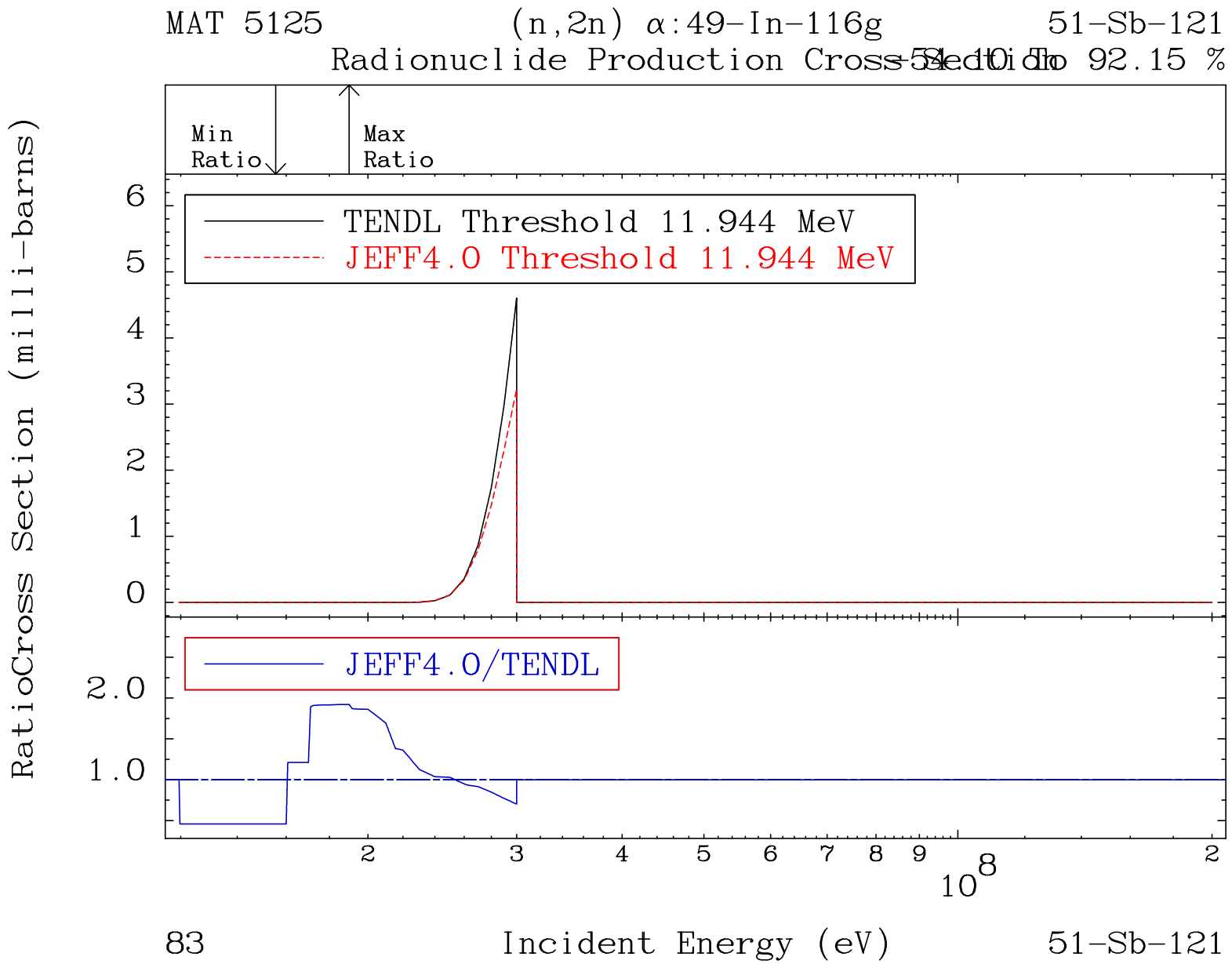

MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121
Cross Section 0.000 To 120.0 %
Max
Ratio
TENDL
JEFF4.0
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
78
51-Sb-121

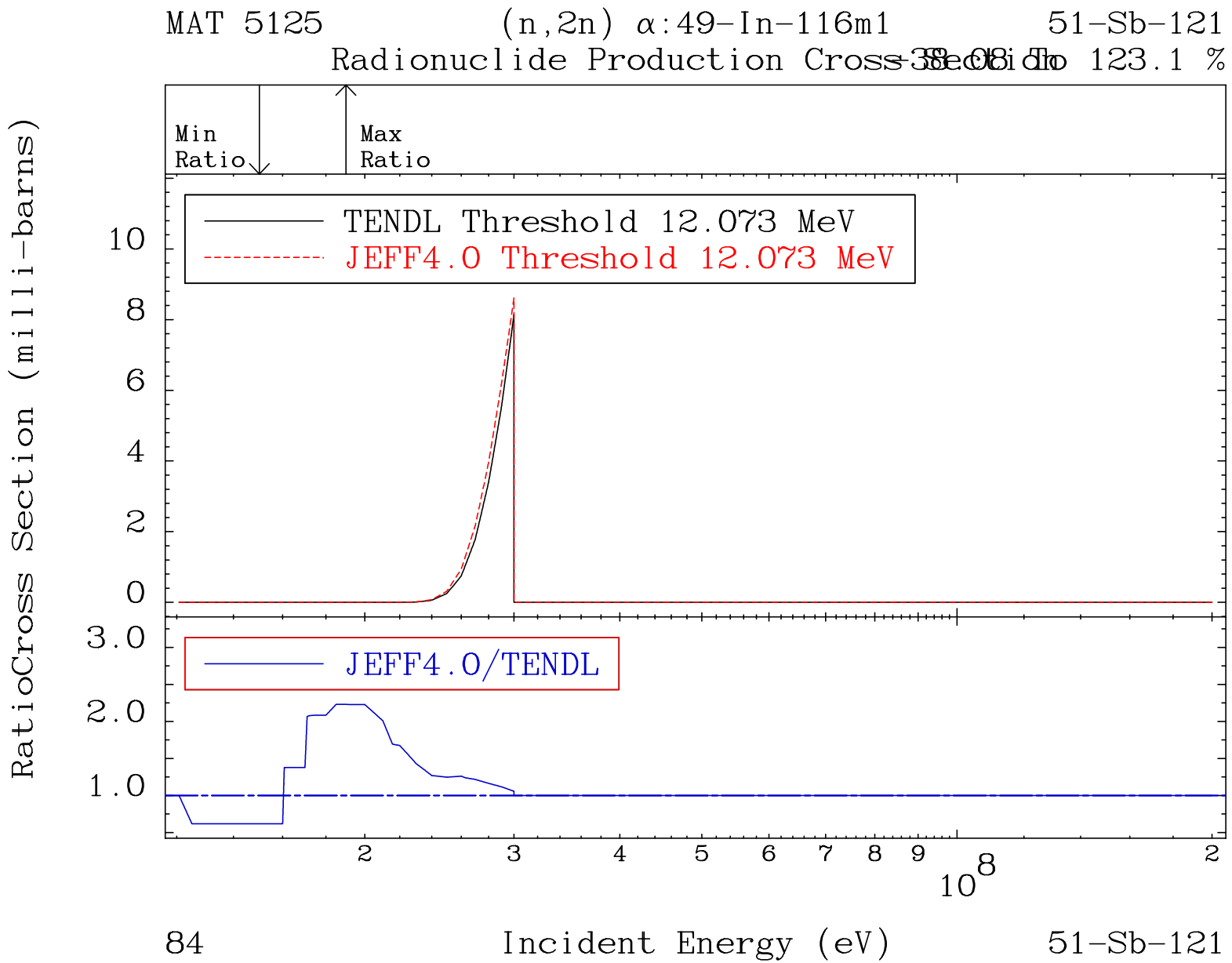

MAT 5125
(n,2n):51-Sb-120g
51-Sb-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3305 MeV
JEFF4.0 Threshold 9.3305 MeV
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
51-Sb-121

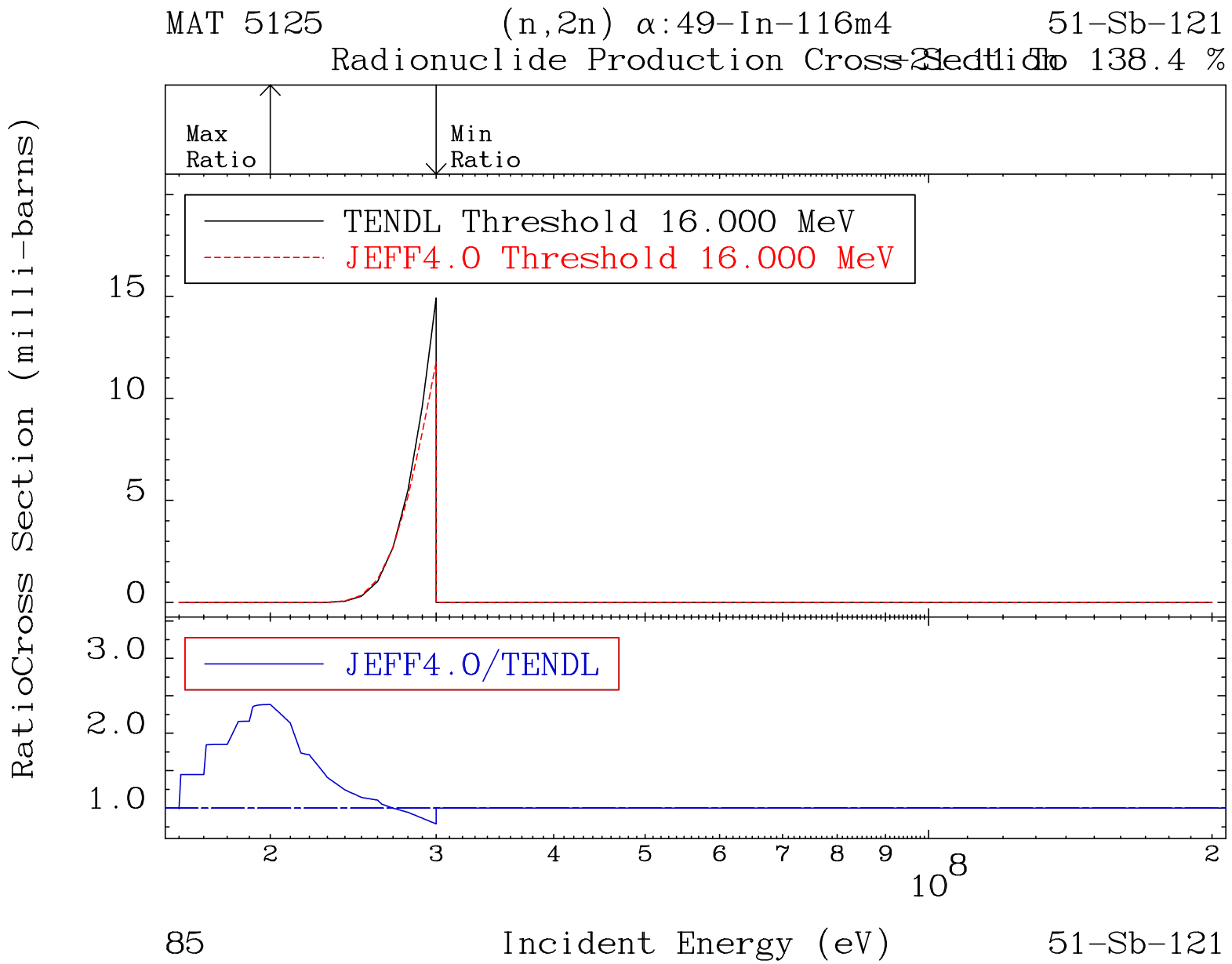

MAT 5125
(n,2n):51-Sb-120m4
51-Sb-121
Radionuclide Production Cross Section To 96.88 %
Max Ratio
Min Ratio
TENDL Threshold 9.4899 MeV
JEFF4.0 Threshold 9.4899 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
2.4
1.8
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
51-Sb-121

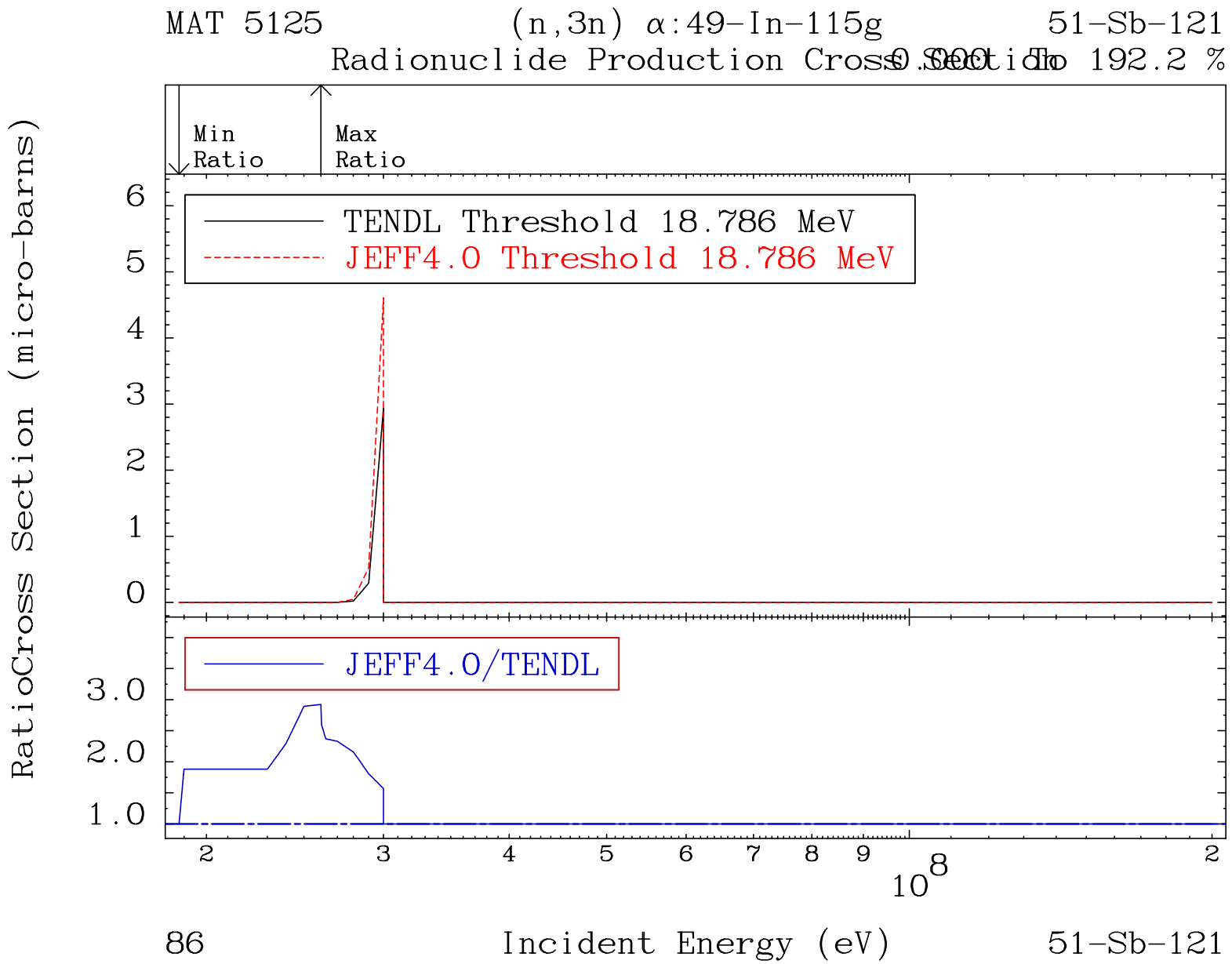

MAT 5125
(n,n') α:49-In-117g
51-Sb-121
Radionuclide Production Cross Section To 168.4 %
Max Ratio
Min Ratio
TENDL Threshold 3.1067 MeV
JEFF4.0 Threshold 3.1067 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
3.0
2.0
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
81
Incident Energy (eV)
51-Sb-121

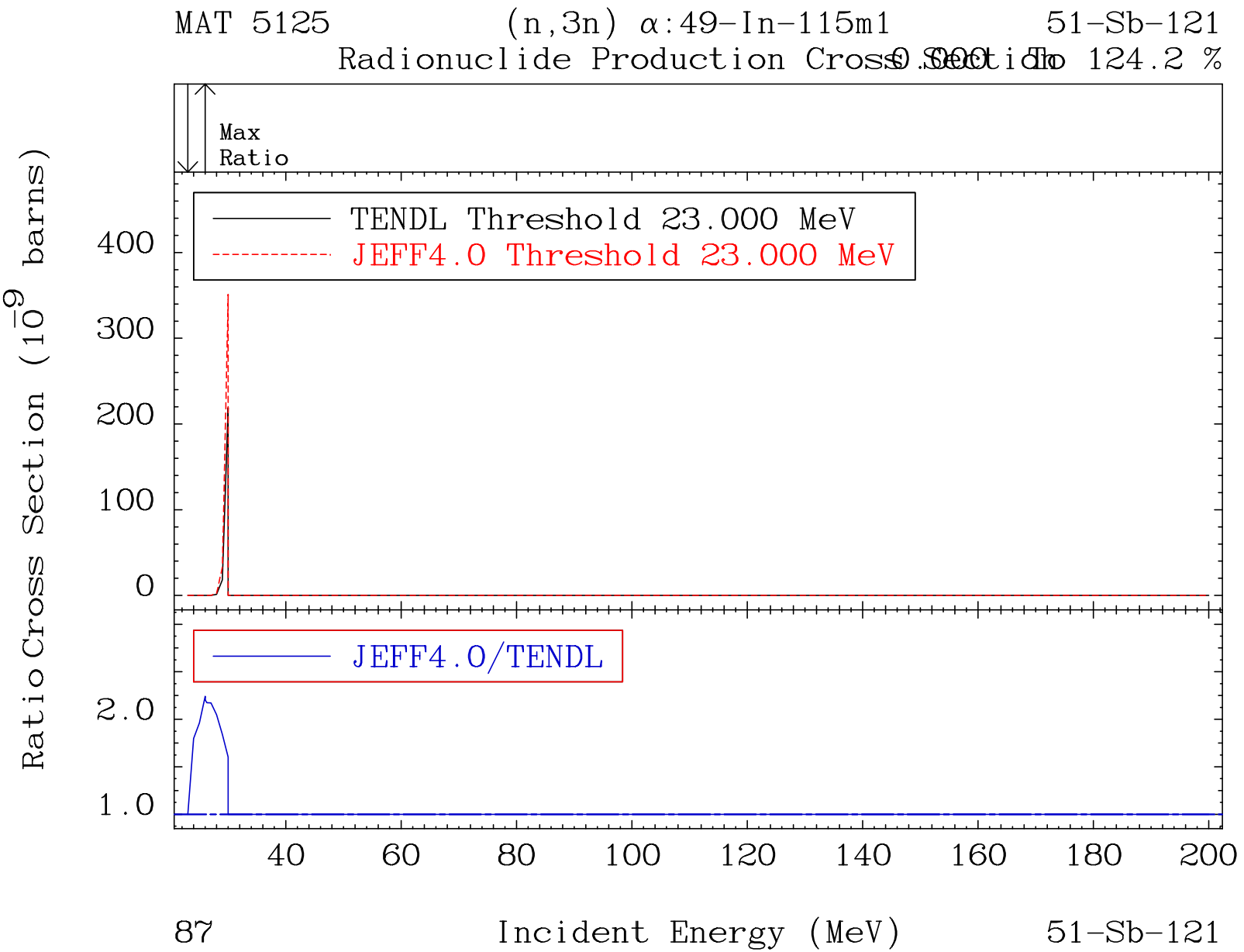

MAT 5125
(n,n') α:49-In-117m1
51-Sb-121
Radionuclide Production Cross Section To 159.3 %
Max Ratio
Min Ratio
TENDL Threshold 6.8000 MeV
JEFF4.0 Threshold 6.8000 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
51-Sb-121

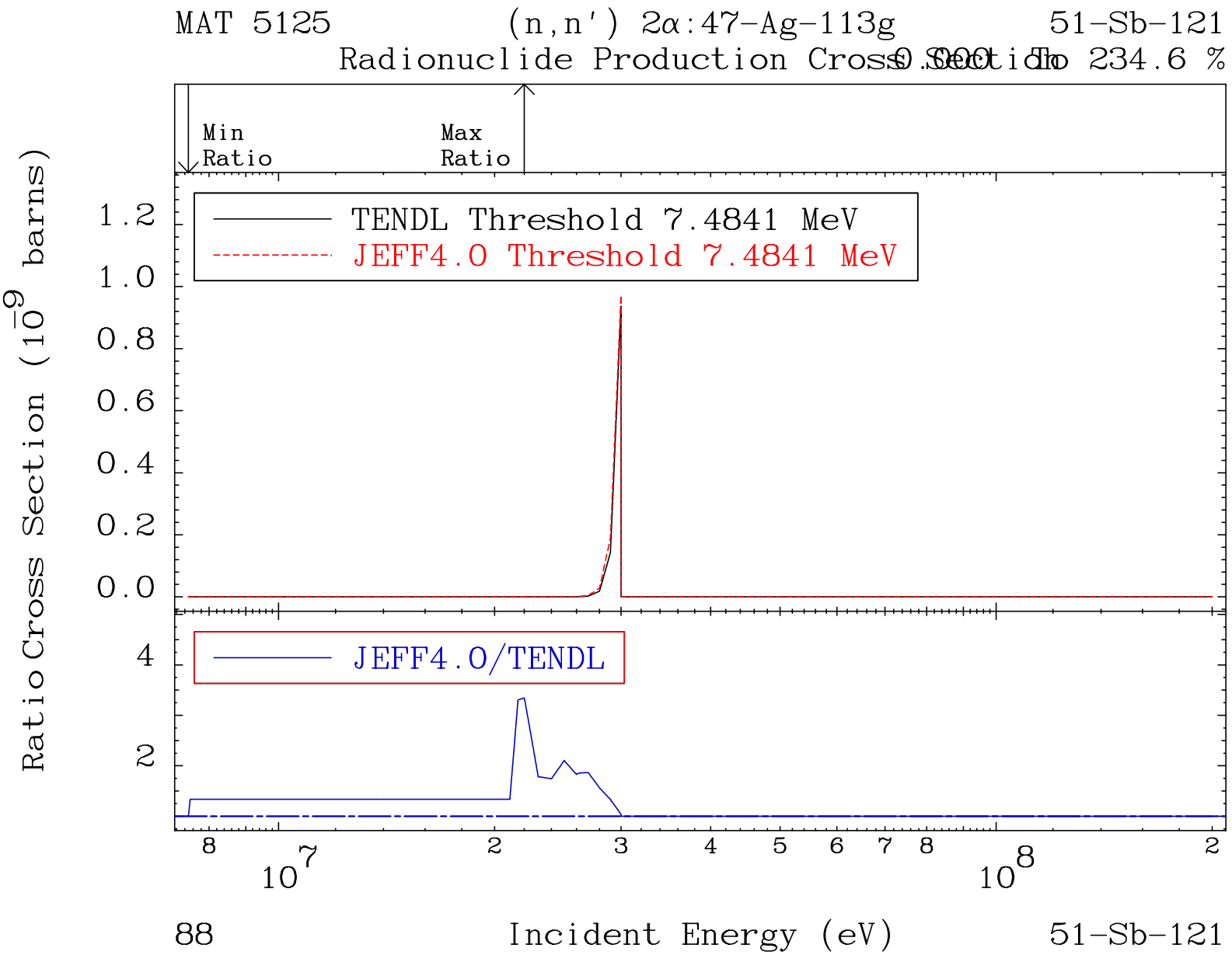

MAT 5125
(n,2n) α:49-In-116g
51-Sb-121
Radionuclide Production Cross Section To 92.15 %
Min Ratio
Max Ratio
TENDL Threshold 11.944 MeV
JEFF4.0 Threshold 11.944 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
51-Sb-121

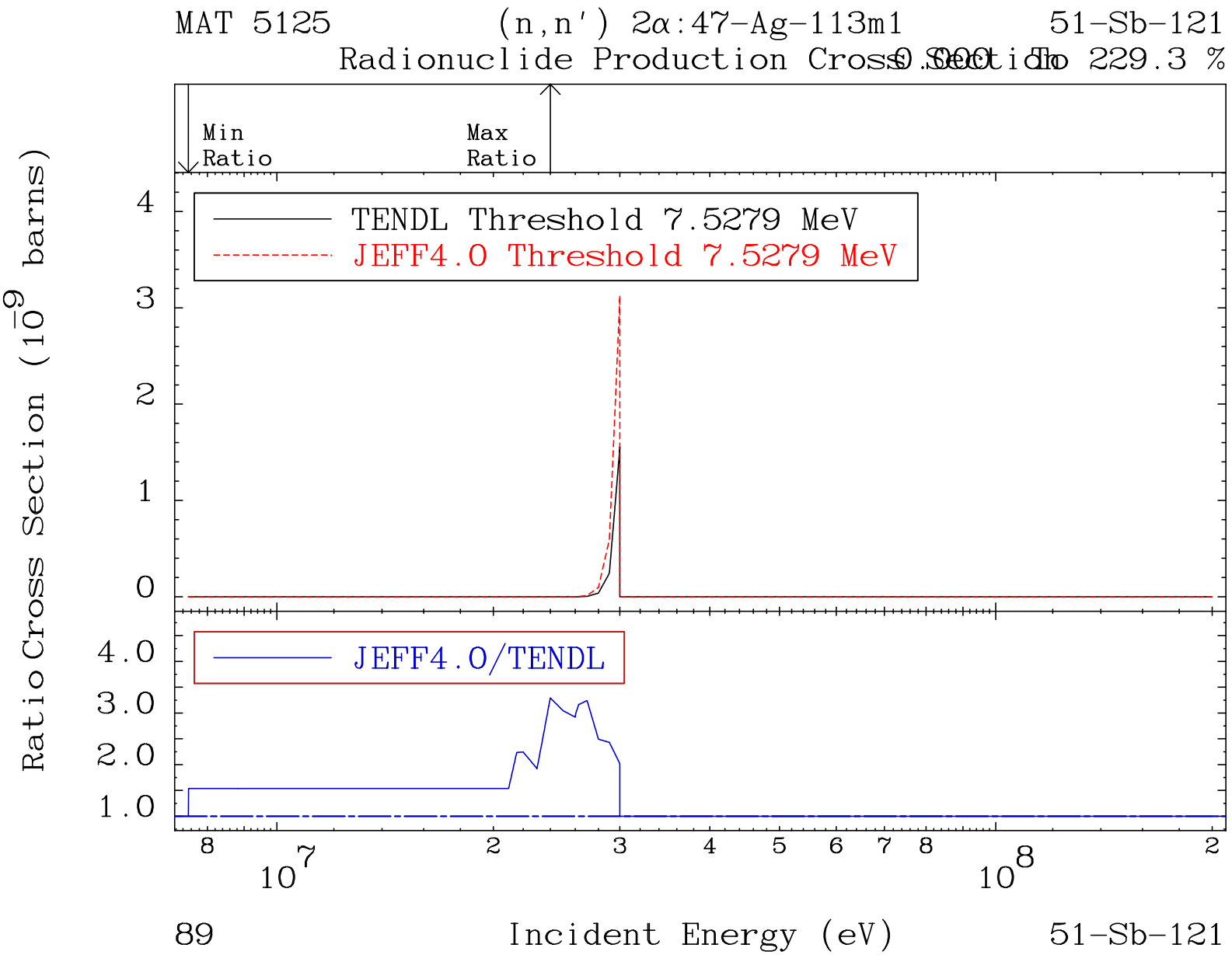

MAT 5125
(n,2n) α:49-In-116m1
51-Sb-121
Radionuclide Production Cross Section To 123.1 %
Min Ratio
Max Ratio
TENDL Threshold 12.073 MeV
JEFF4.0 Threshold 12.073 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
51-Sb-121

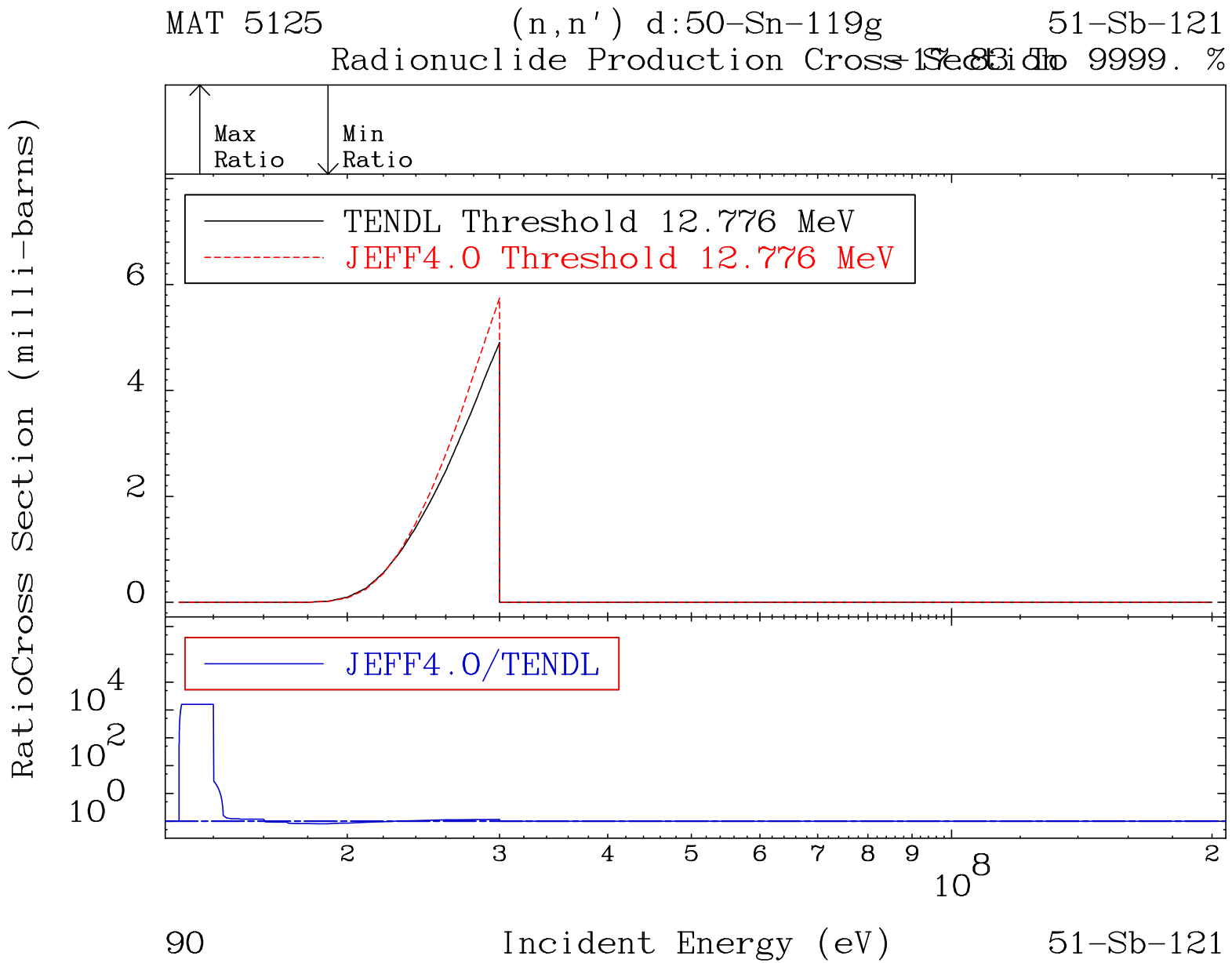

MAT 5125
(n,2n) α:49-In-116m4
51-Sb-121
Radionuclide Production Cross Section To 138.4 %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
JEFF4.0 Threshold 16.000 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
51-Sb-121

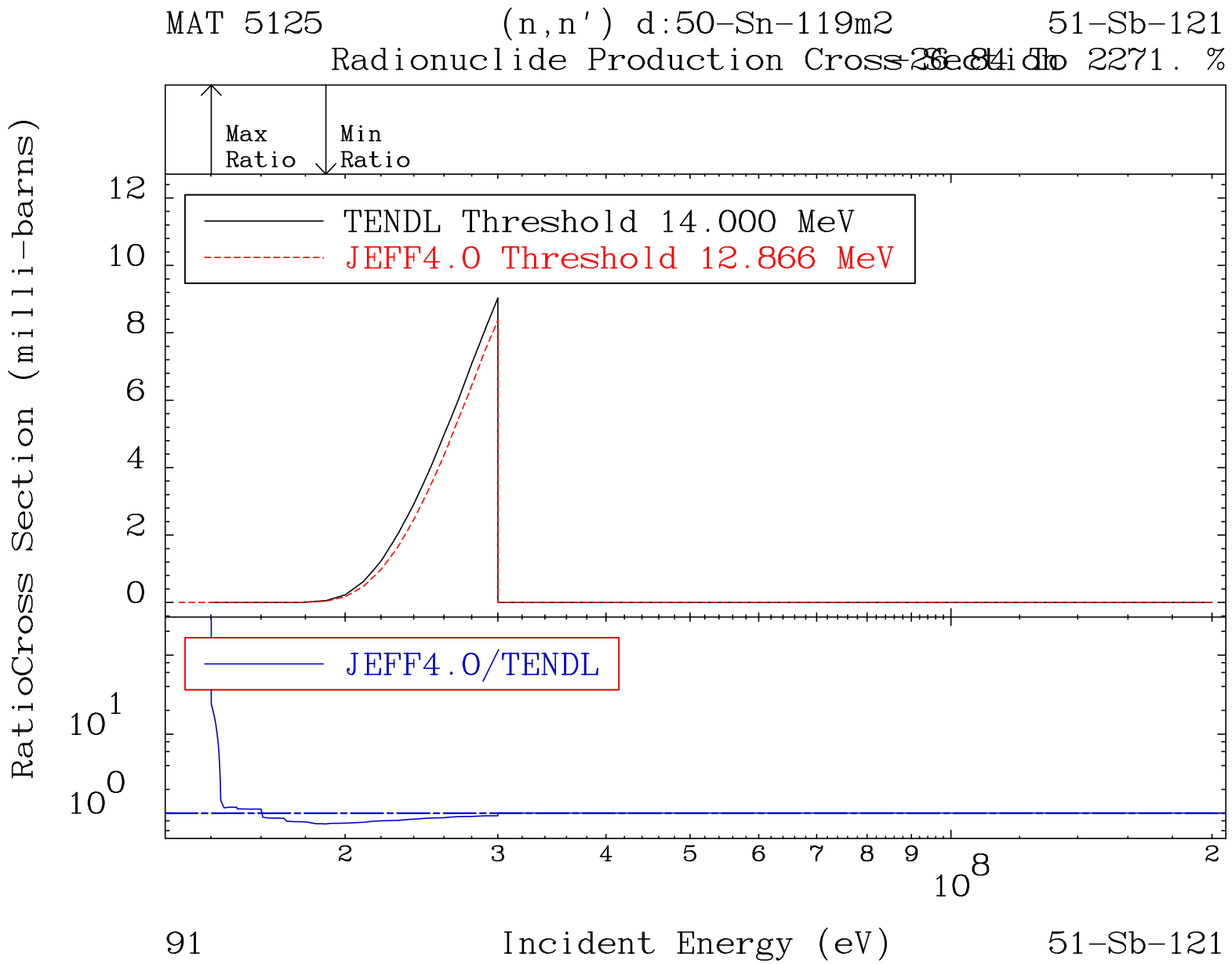

MAT 5125
(n,3n) α:49-In-115g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 192.2 %
Min Ratio
Max Ratio
TENDL Threshold 18.786 MeV
JEFF4.0 Threshold 18.786 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
86
51-Sb-121

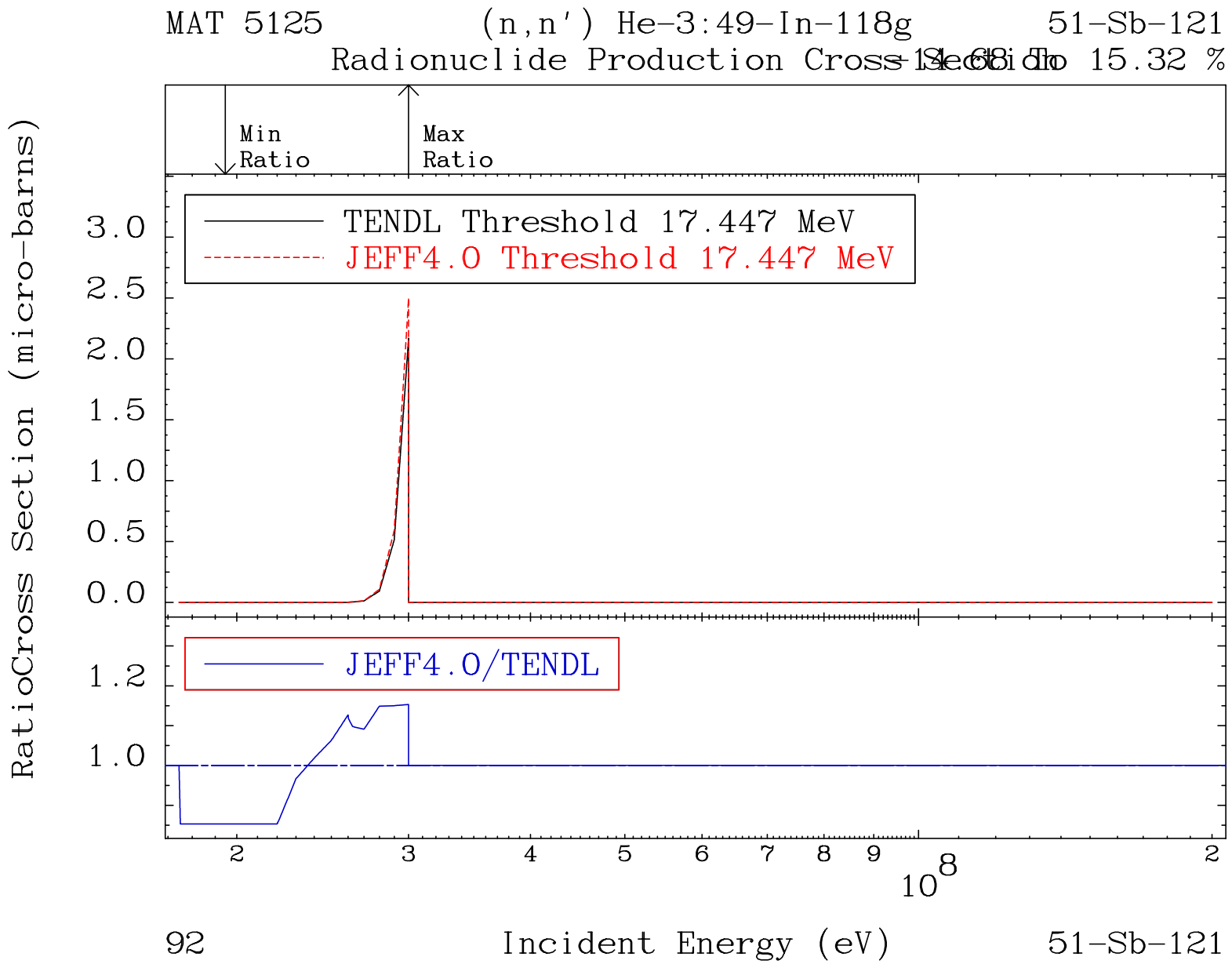

MAT 5125
(n,3n) α:49-In-115m1
51-Sb-121
Radionuclide Production Cross Section
0.000 To 124.2 %
Max
Ratio
TENDL Threshold 23.000 MeV
JEFF4.0 Threshold 23.000 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
400
300
200
100
0
2.0
1.0
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
51-Sb-121

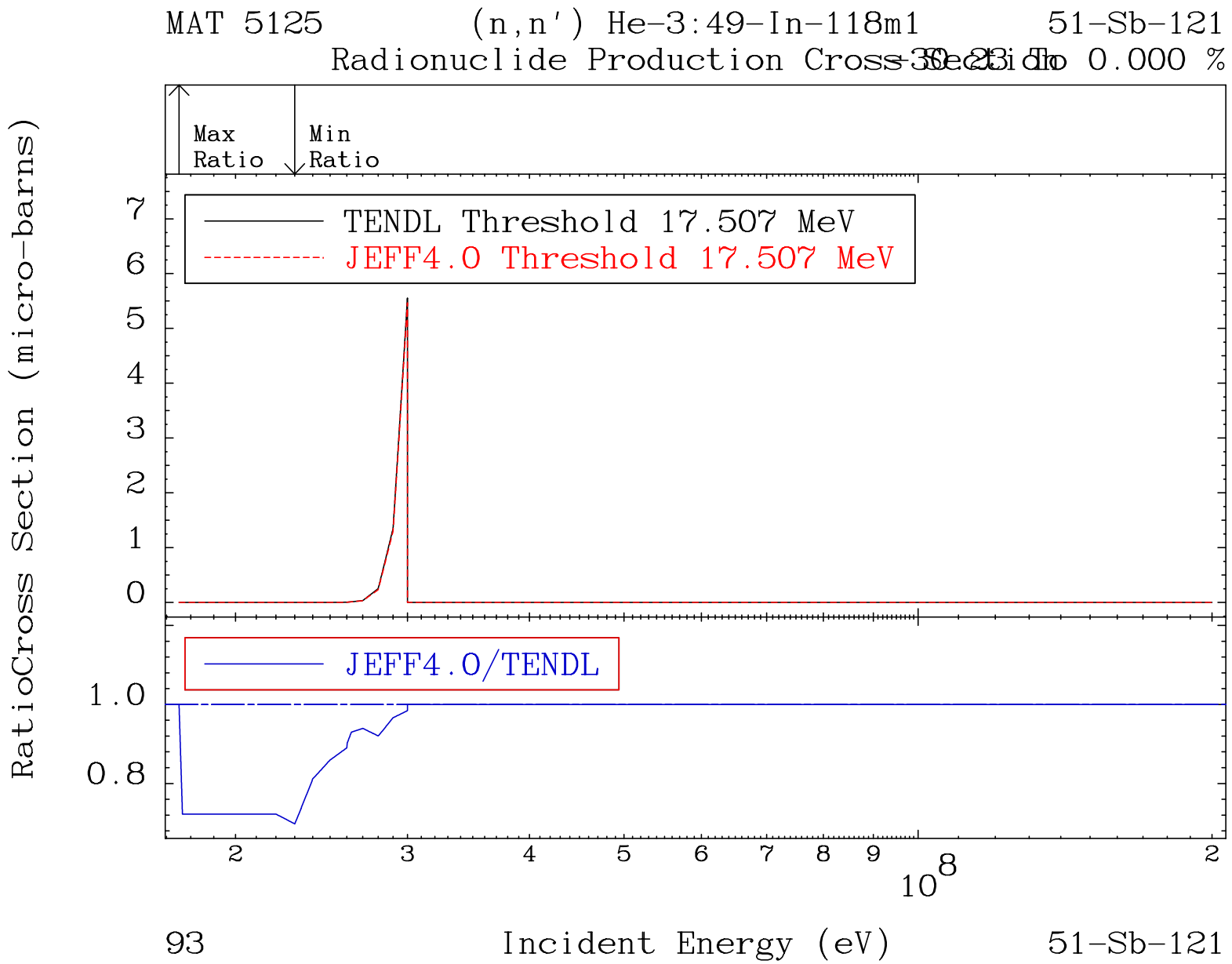

MAT 5125
(n,n') 2α:47-Ag-113g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 234.6 %
Min Ratio
Max Ratio
TENDL Threshold 7.4841 MeV
JEFF4.0 Threshold 7.4841 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
8
10^7
2
3
4
5
6
7
8
10^8
2
88
Incident Energy (eV)
51-Sb-121

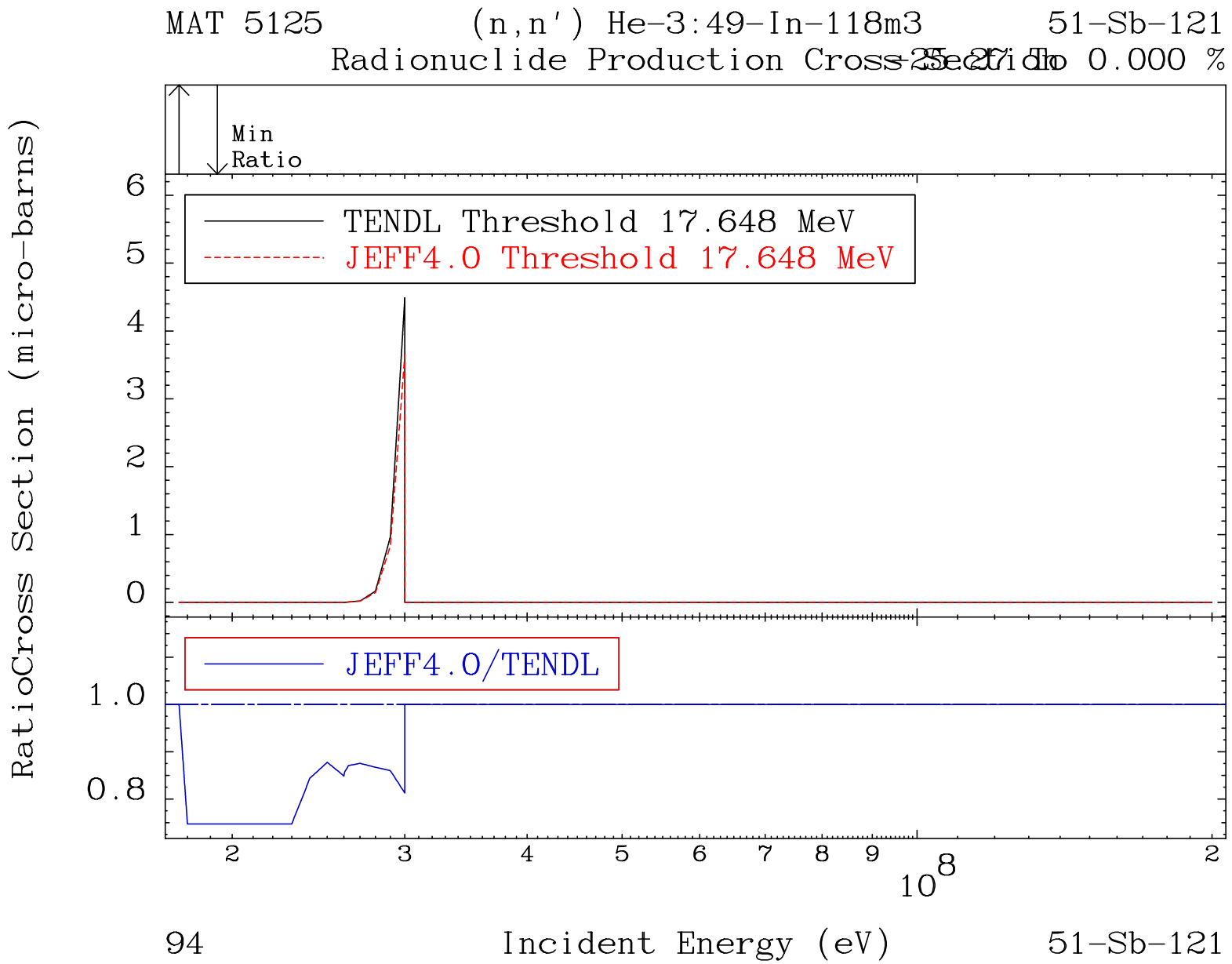

MAT 5125
(n,n') 2α:47-Ag-113m1
51-Sb-121
Radionuclide Production Cross Section
0.000 To 229.3 %
Min Ratio
Max Ratio
TENDL Threshold 7.5279 MeV
JEFF4.0 Threshold 7.5279 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
4
3
2
1
0
4.0
3.0
2.0
1.0
8
10^7
2
3
4
5
6
7
8
10^8
2
89
Incident Energy (eV)
51-Sb-121

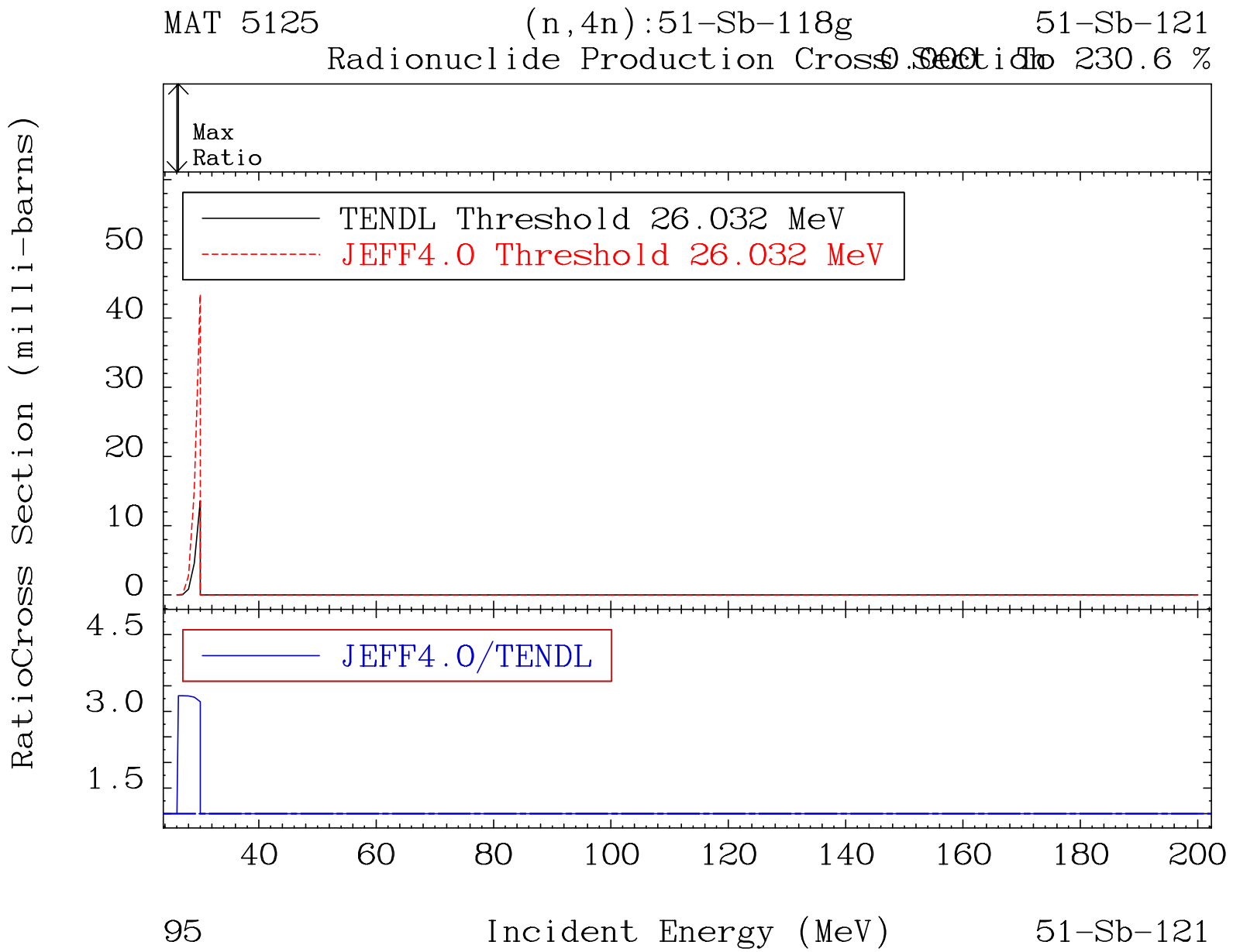

MAT 5125
(n,n') d:50-Sn-119g
51-Sb-121
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.776 MeV
JEFF4.0 Threshold 12.776 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
90
51-Sb-121

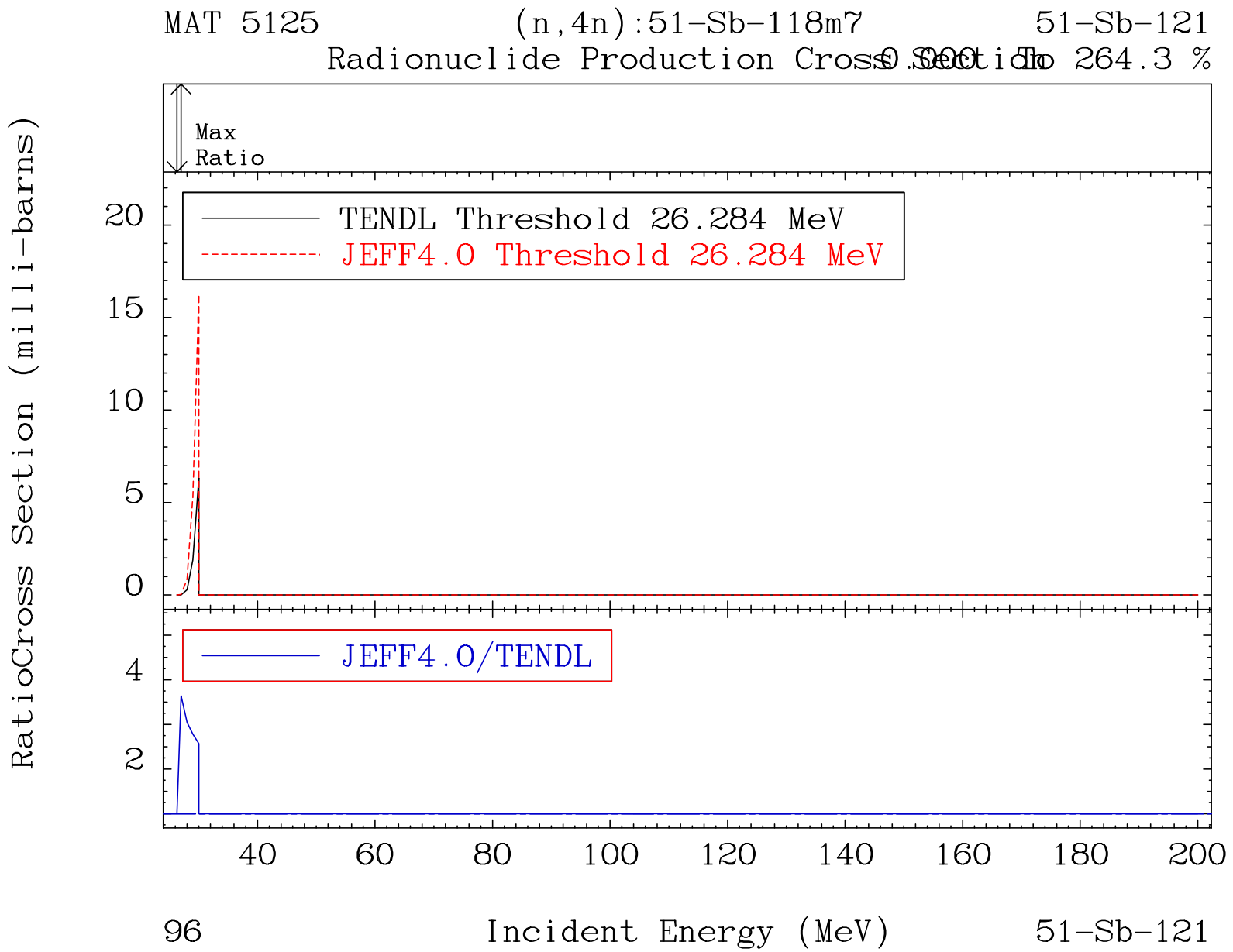

MAT 5125
(n,n') d:50-Sn-119m2
51-Sb-121
Radionuclide Production Cross Section To 2271. %
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF4.0 Threshold 12.866 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
91
51-Sb-121

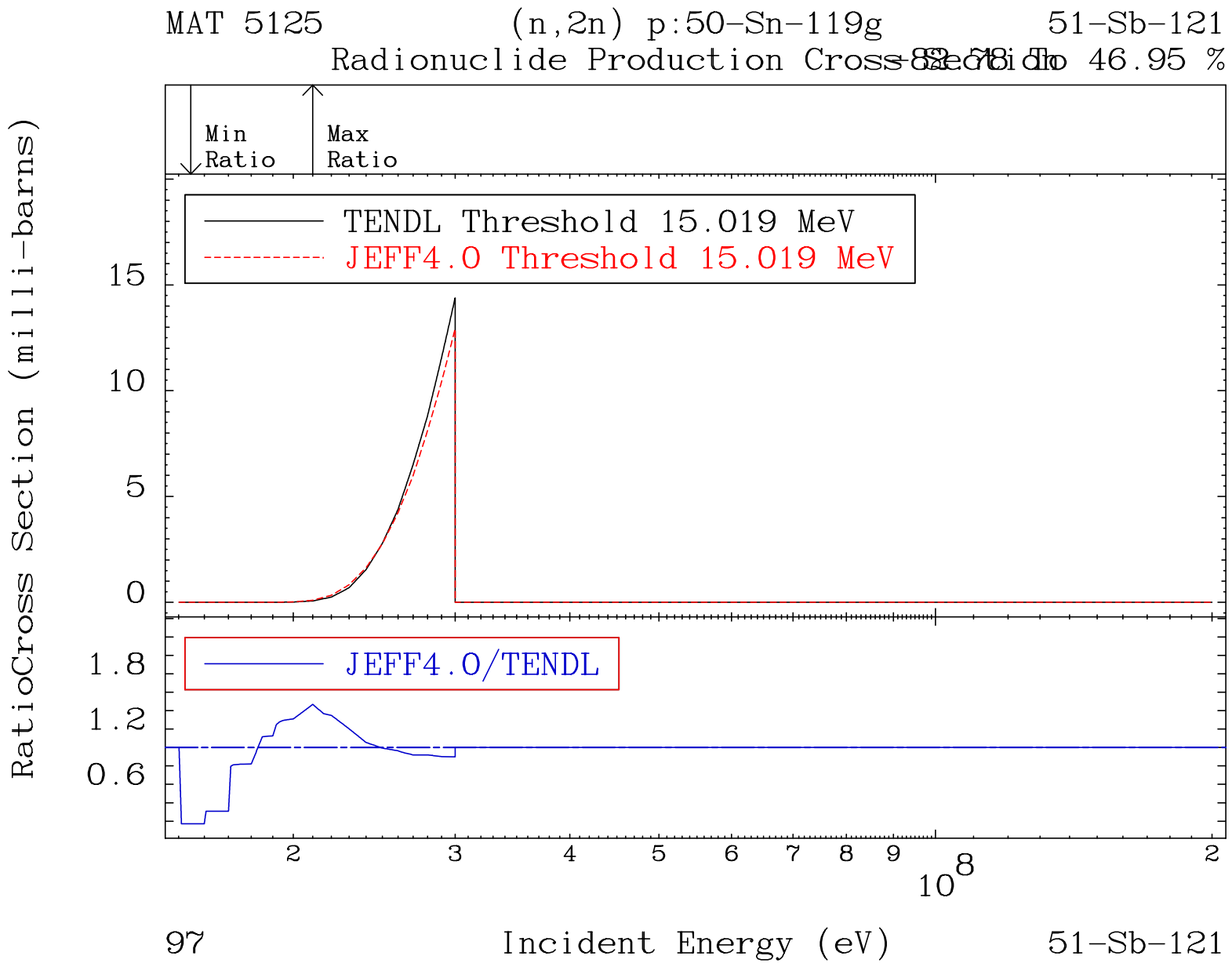

MAT 5125
(n,n') He-3:49-In-118g
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 17.447 MeV
JEFF4.0 Threshold 17.447 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
92
51-Sb-121

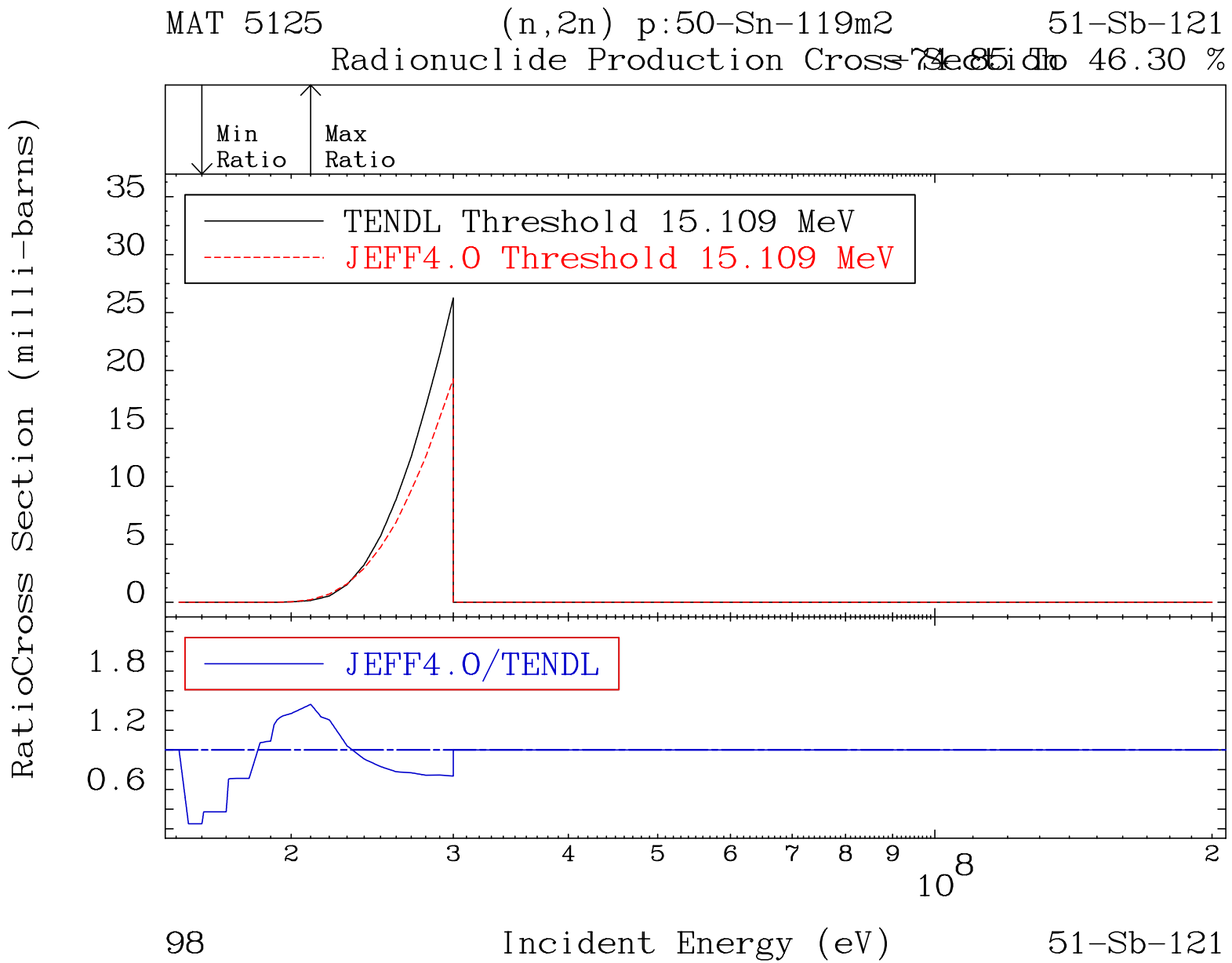

MAT 5125 (n,n') He-3:49-In-118m1 51-Sb-121
Radionuclide Production Cross Section To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 17.507 MeV
JEFF4.0 Threshold 17.507 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
93
51-Sb-121

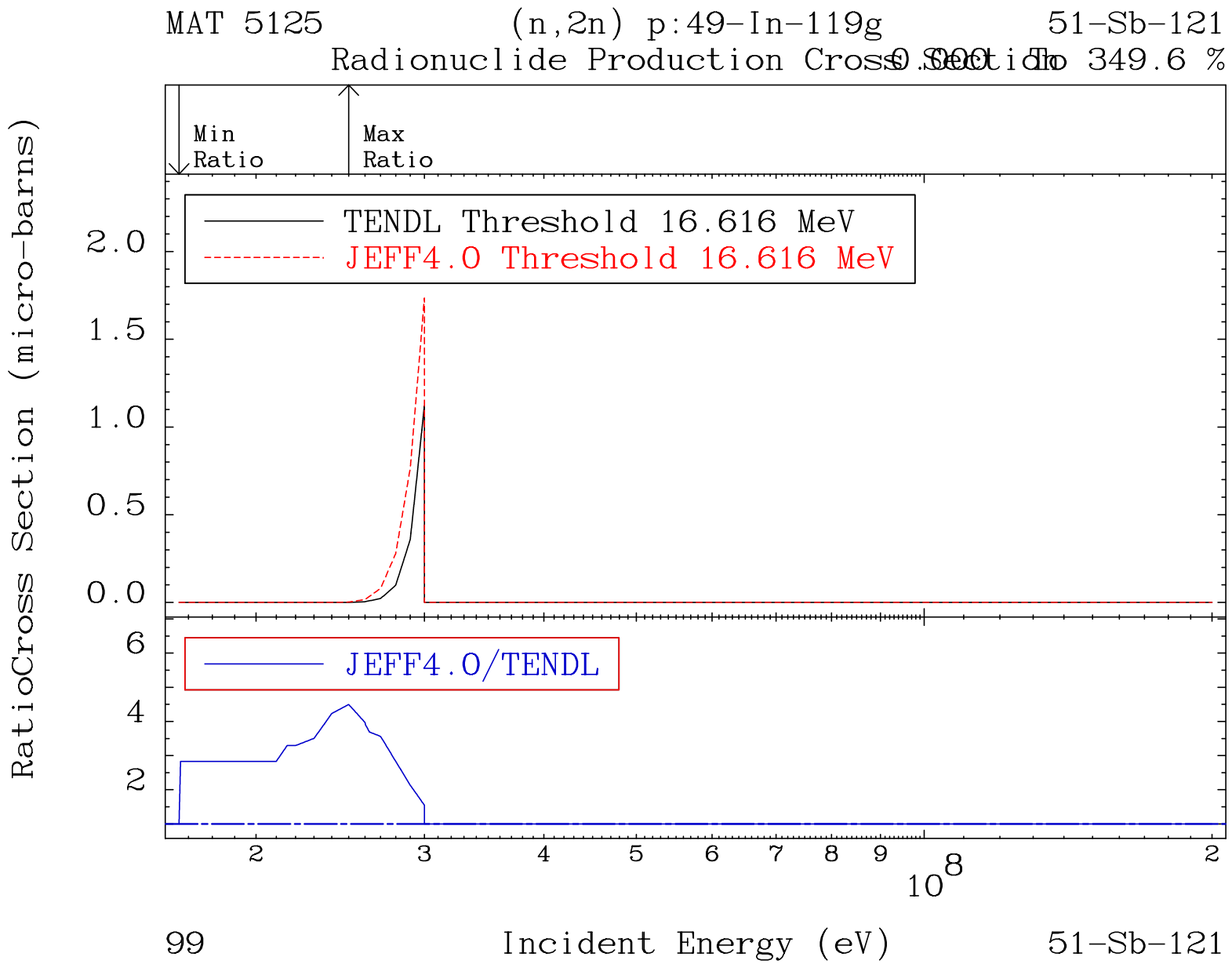

MAT 5125 (n,n') He-3:49-In-118m3 51-Sb-121
Radionuclide Production Cross-Section To 0.000 %
Min
Ratio
TENDL Threshold 17.648 MeV
JEFF4.0 Threshold 17.648 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
94
51-Sb-121

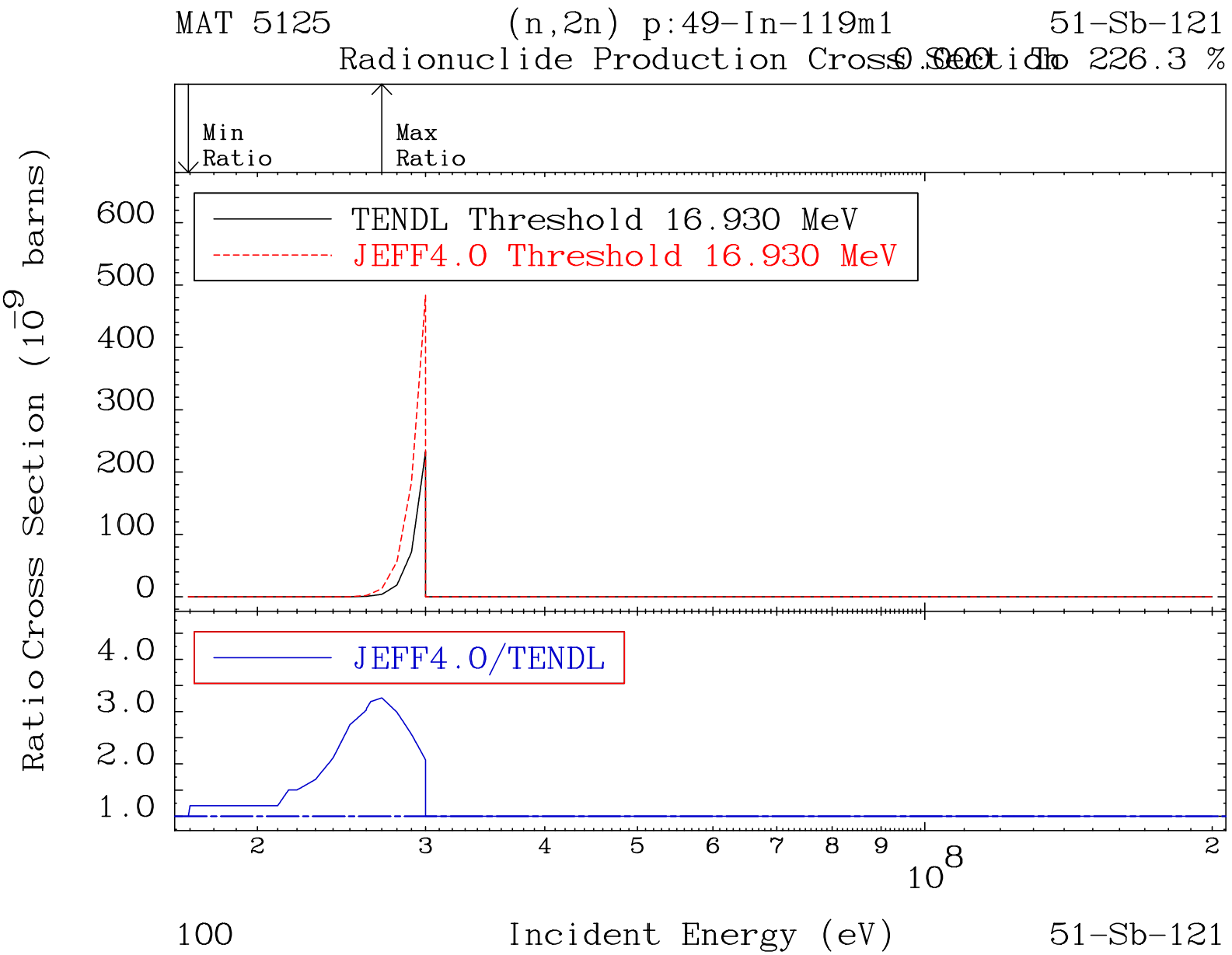

MAT 5125
(n,4n):51-Sb-118g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 230.6 %
Max
Ratio
TENDL Threshold 26.032 MeV
JEFF4.0 Threshold 26.032 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4.5
3.0
1.5
40
60
80
100
120
140
160
180
200
95
Incident Energy (MeV)
51-Sb-121

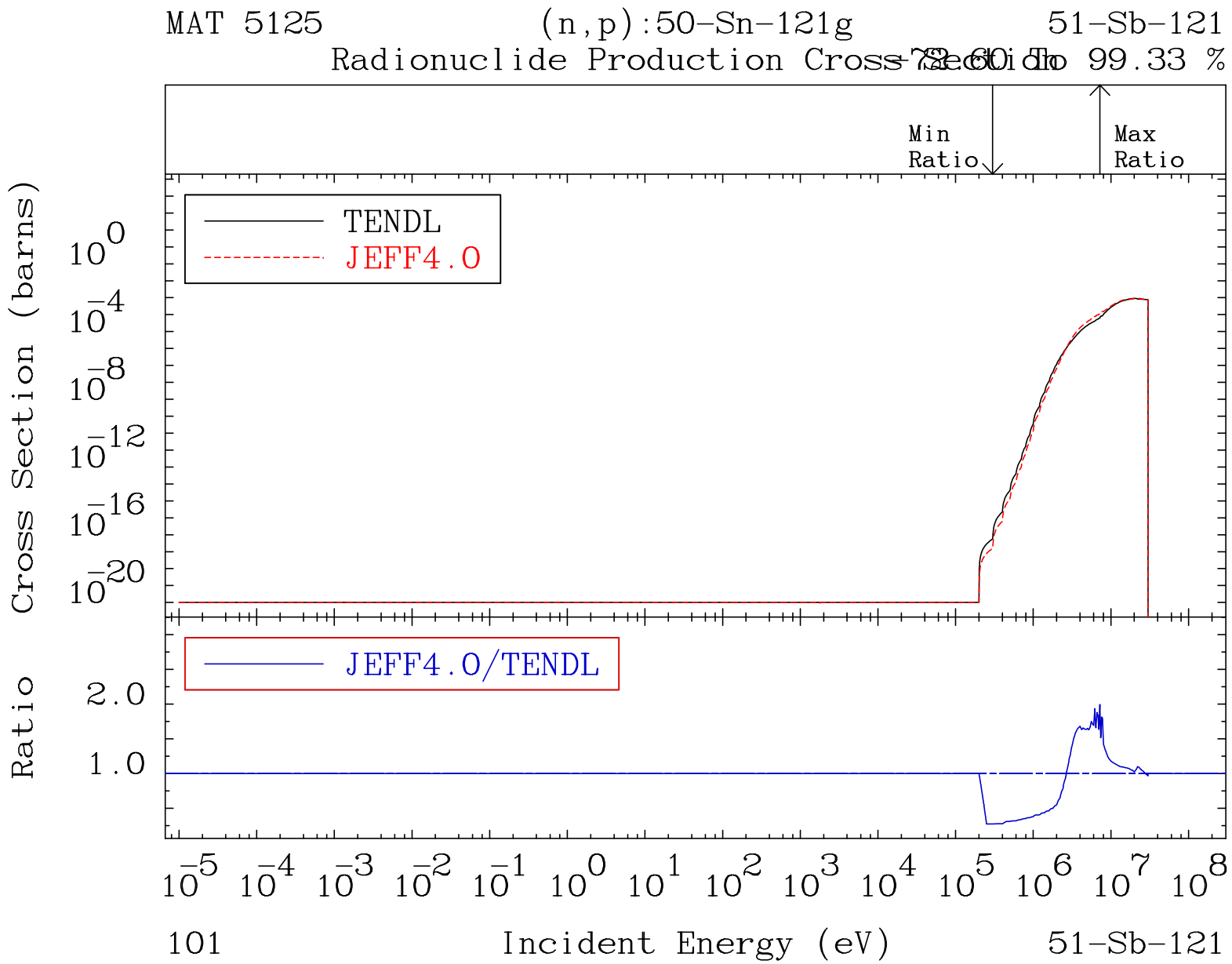

MAT 5125
(n,4n):51-Sb-118m7
51-Sb-121
Radionuclide Production Cross Section
0.000 To 264.3 %
Max
Ratio
TENDL Threshold 26.284 MeV
JEFF4.0 Threshold 26.284 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
2
40
60
80
100
120
140
160
180
200
96
Incident Energy (MeV)
51-Sb-121

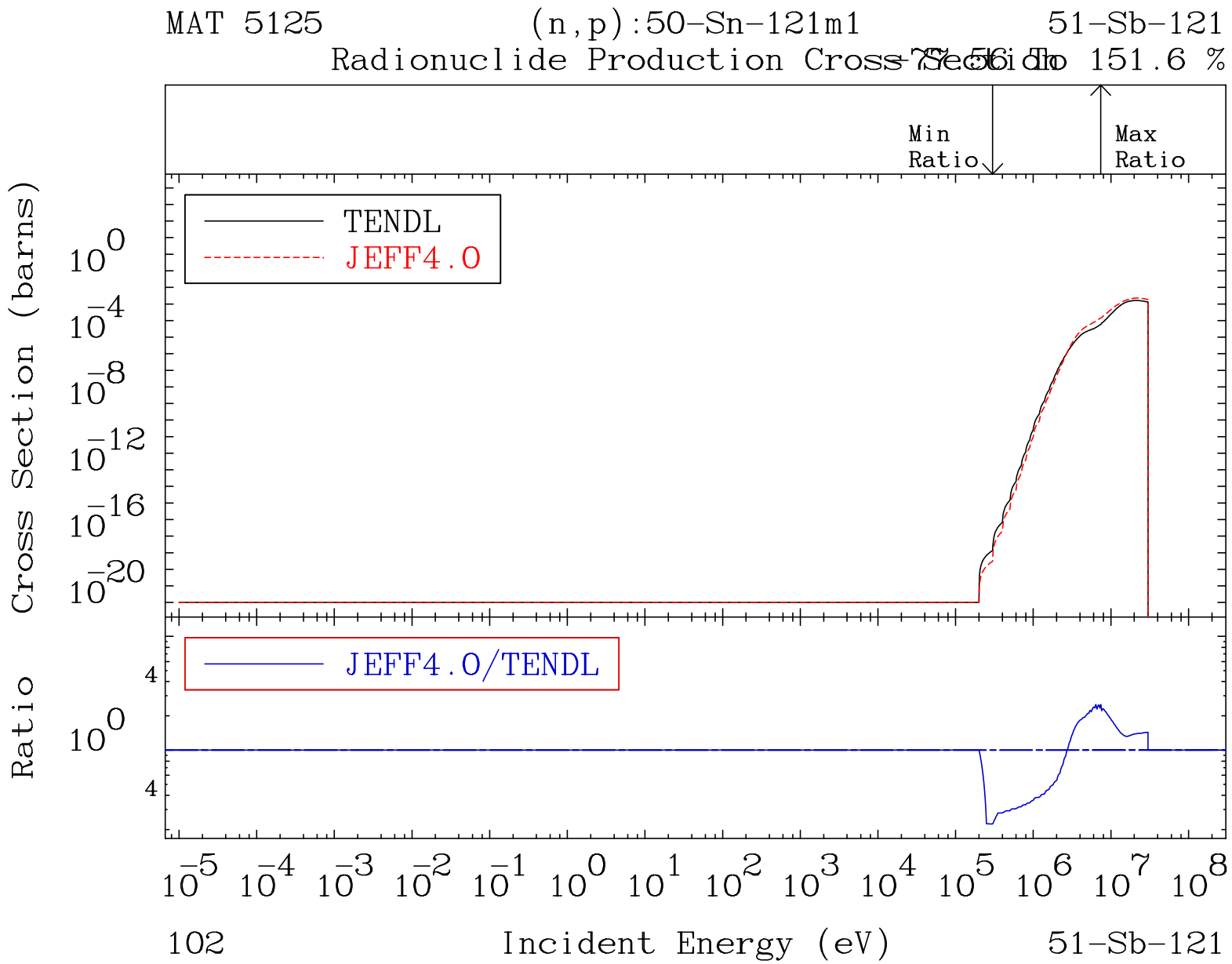

MAT 5125
(n,2n) p:50-Sn-119g
51-Sb-121
Radionuclide Production Cross Section To 46.95 %
Min Ratio
Max Ratio
TENDL Threshold 15.019 MeV
JEFF4.0 Threshold 15.019 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
1.8
1.2
0.6
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
51-Sb-121

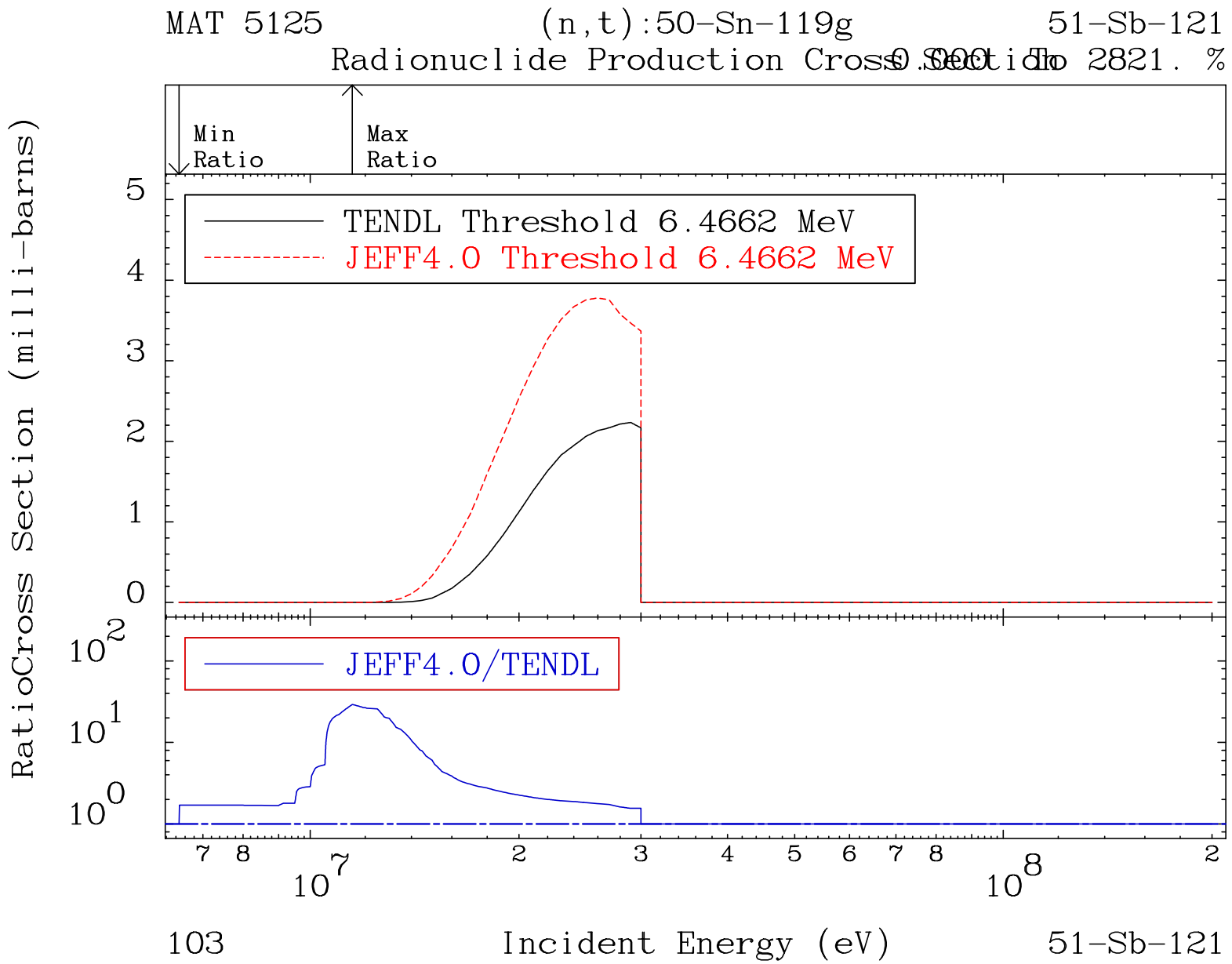

MAT 5125
(n,2n) p:50-Sn-119m2
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 15.109 MeV
JEFF4.0 Threshold 15.109 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
98
51-Sb-121

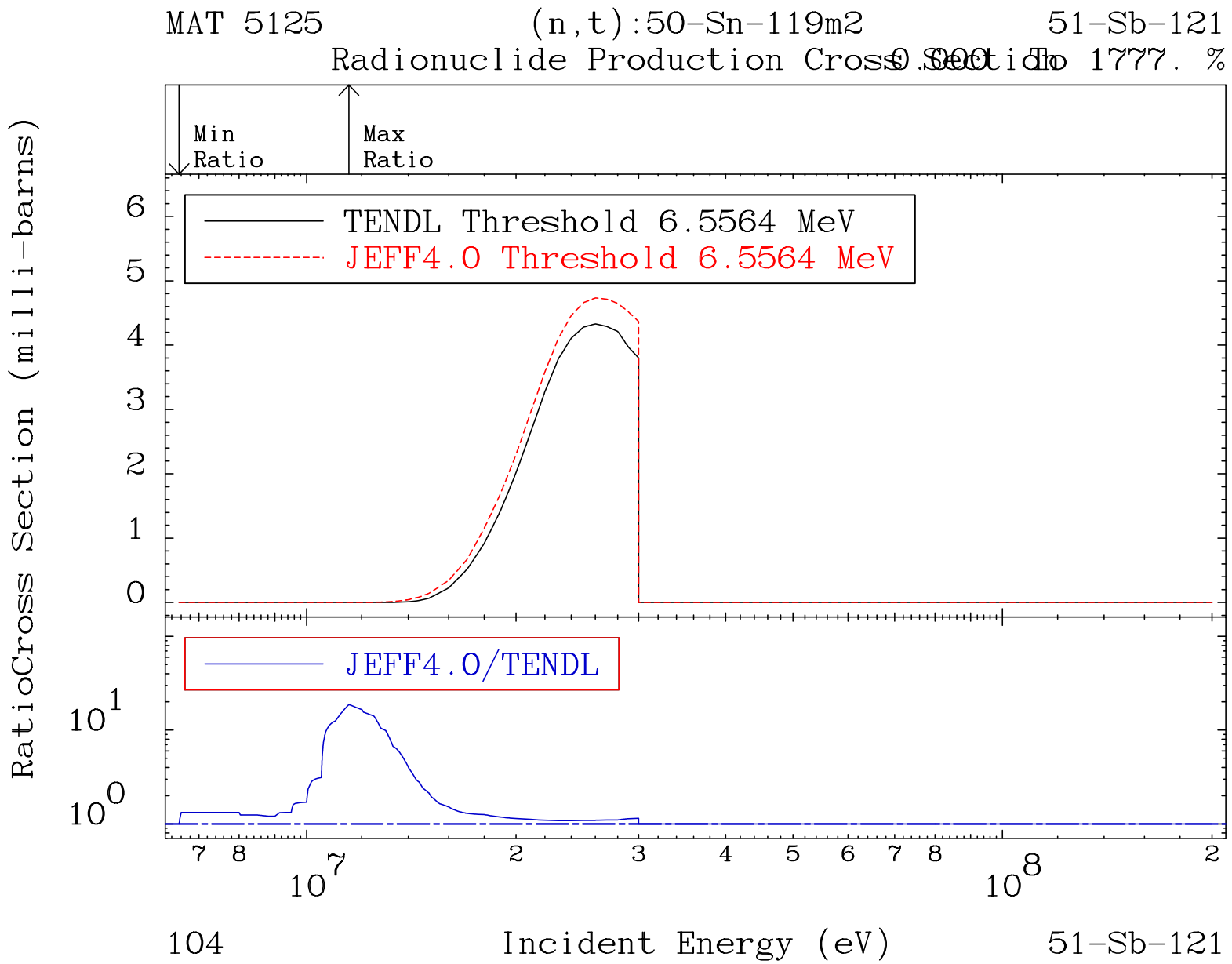

MAT 5125
(n,2n) p:49-In-119g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 349.6 %
Min Ratio
Max Ratio
TENDL Threshold 16.616 MeV
JEFF4.0 Threshold 16.616 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
99
Incident Energy (eV)
51-Sb-121

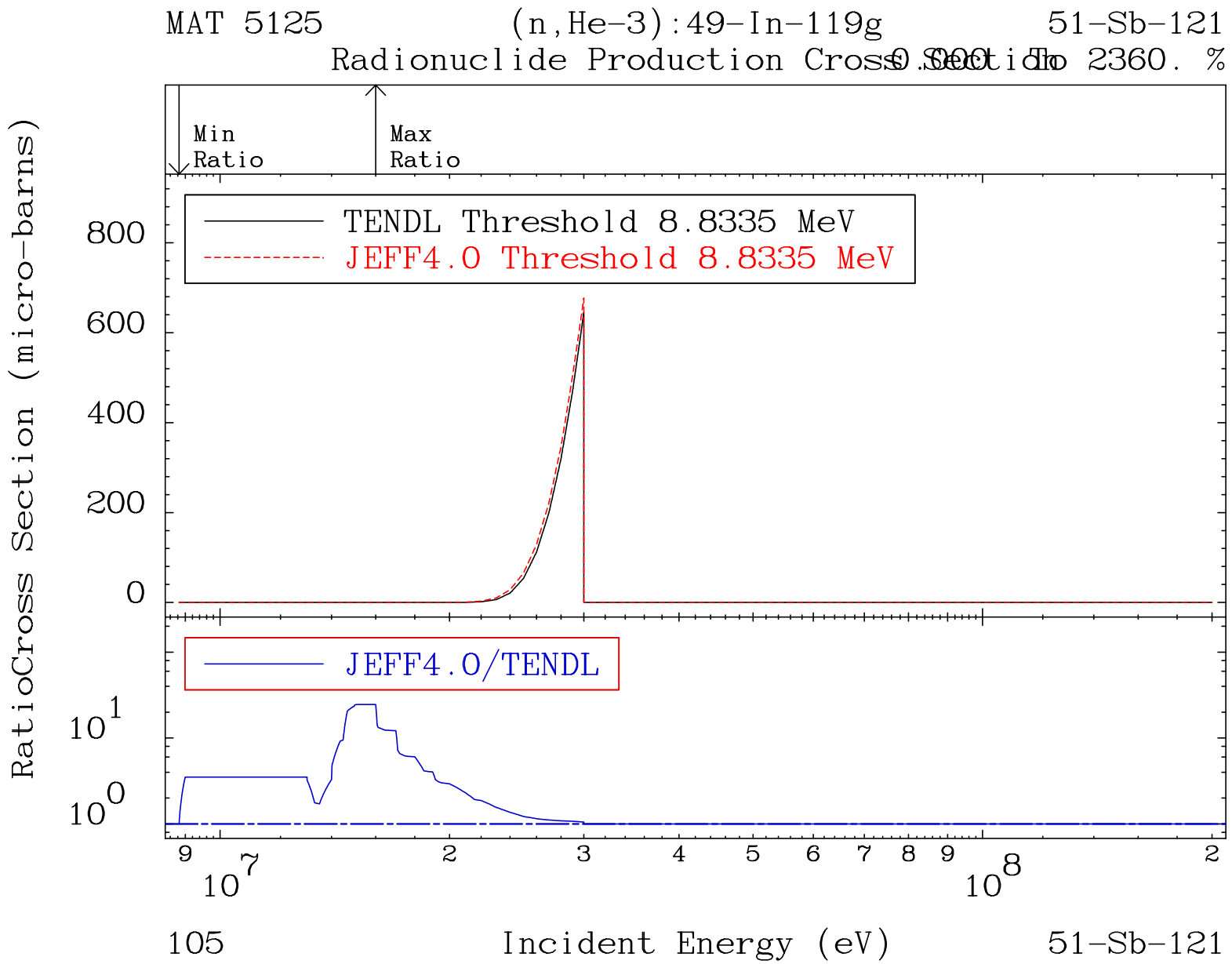

MAT 5125
(n,2n) p:49-In-119m1
51-Sb-121
Radionuclide Production Cross Section
0.000 To 226.3 %
Min Ratio
Max Ratio
TENDL Threshold 16.930 MeV
JEFF4.0 Threshold 16.930 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
51-Sb-121

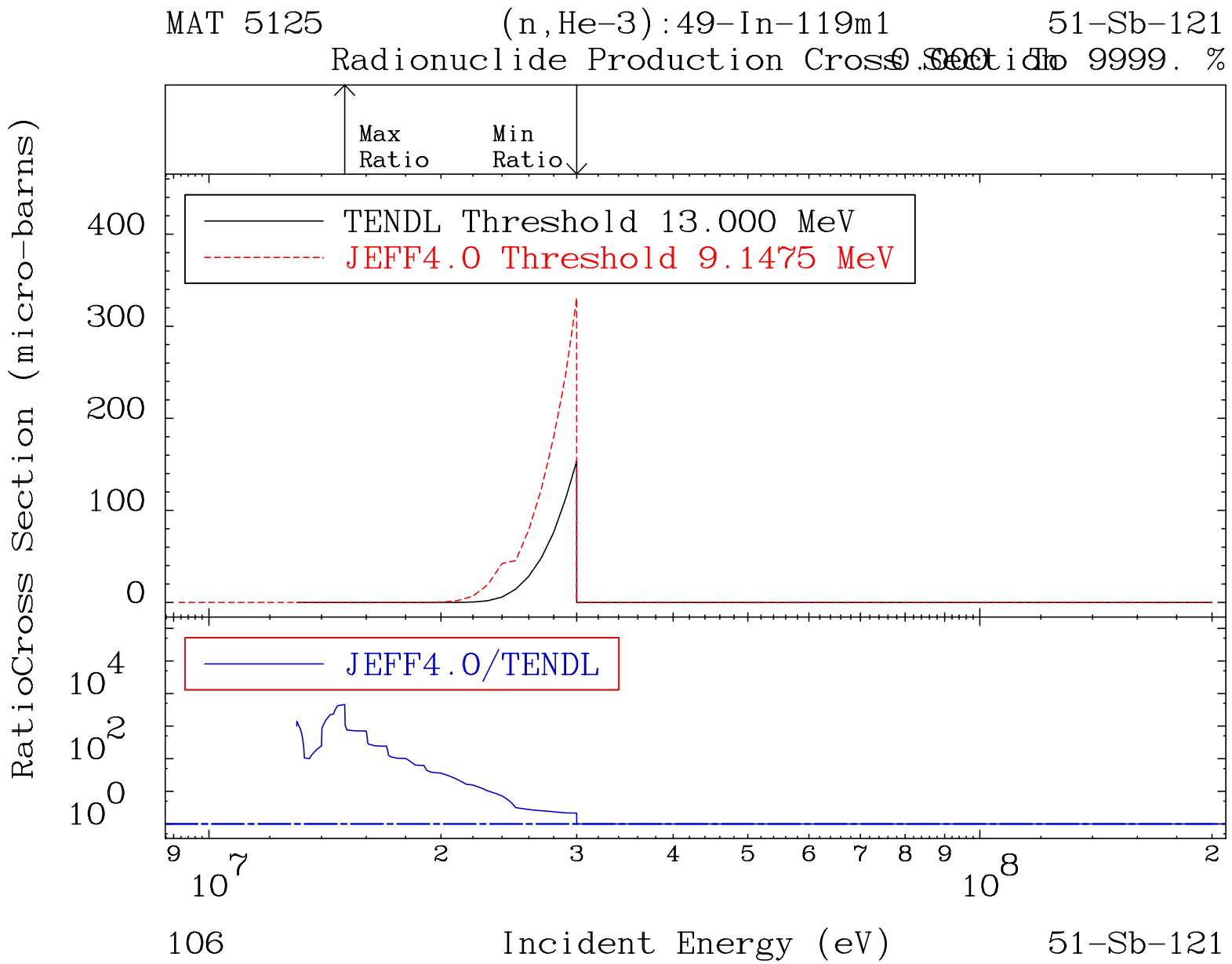

MAT 5125
(n,p):50-Sn-121g
51-Sb-121
Radionuclide Production Cross Section To 99.33 %
Min Ratio
Max Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
101
51-Sb-121

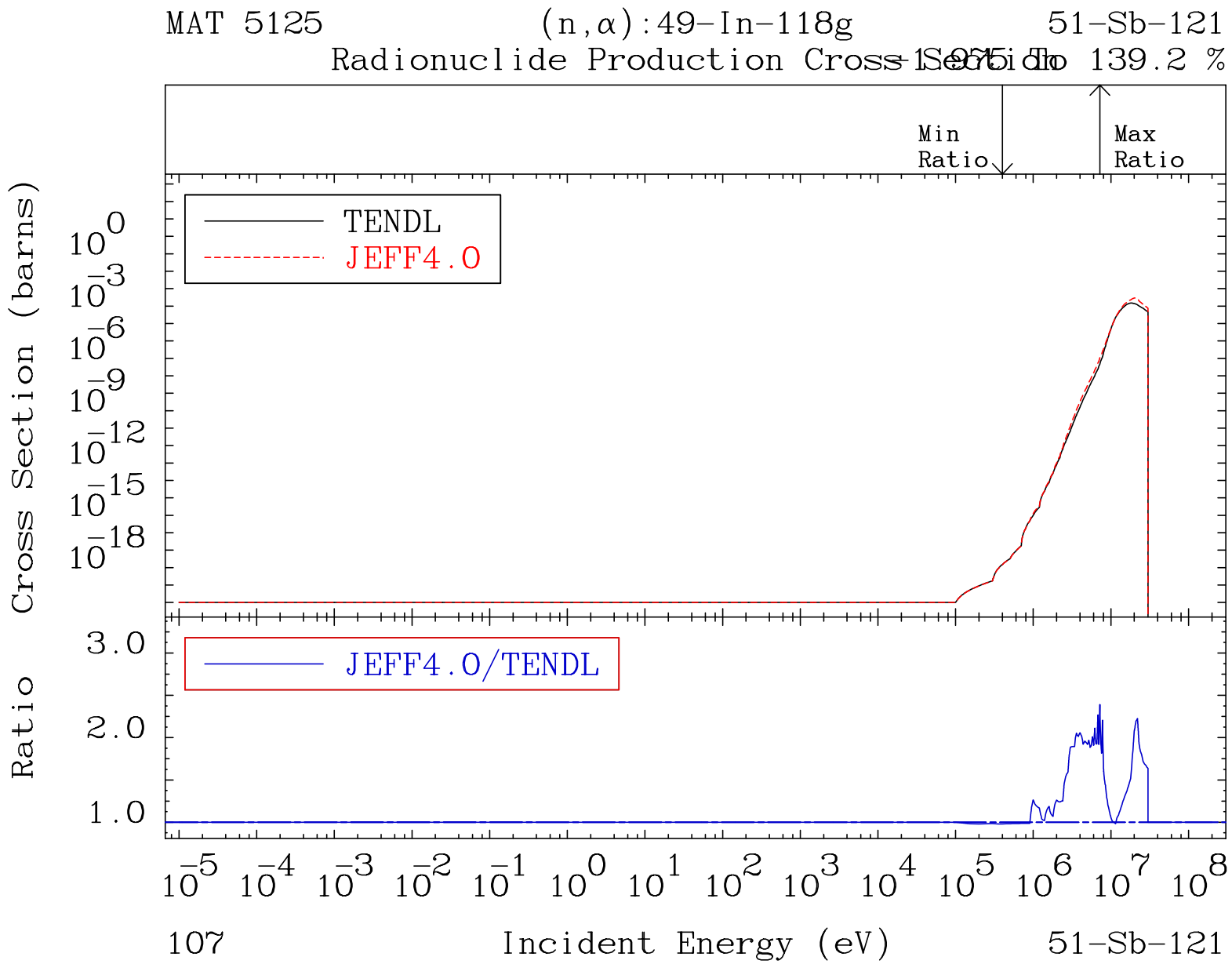

MAT 5125
(n,p):50-Sn-121m1
51-Sb-121
Radionuclide Production Cross Section
-75.56 To 151.6 %
Min Ratio
Max Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
102
51-Sb-121

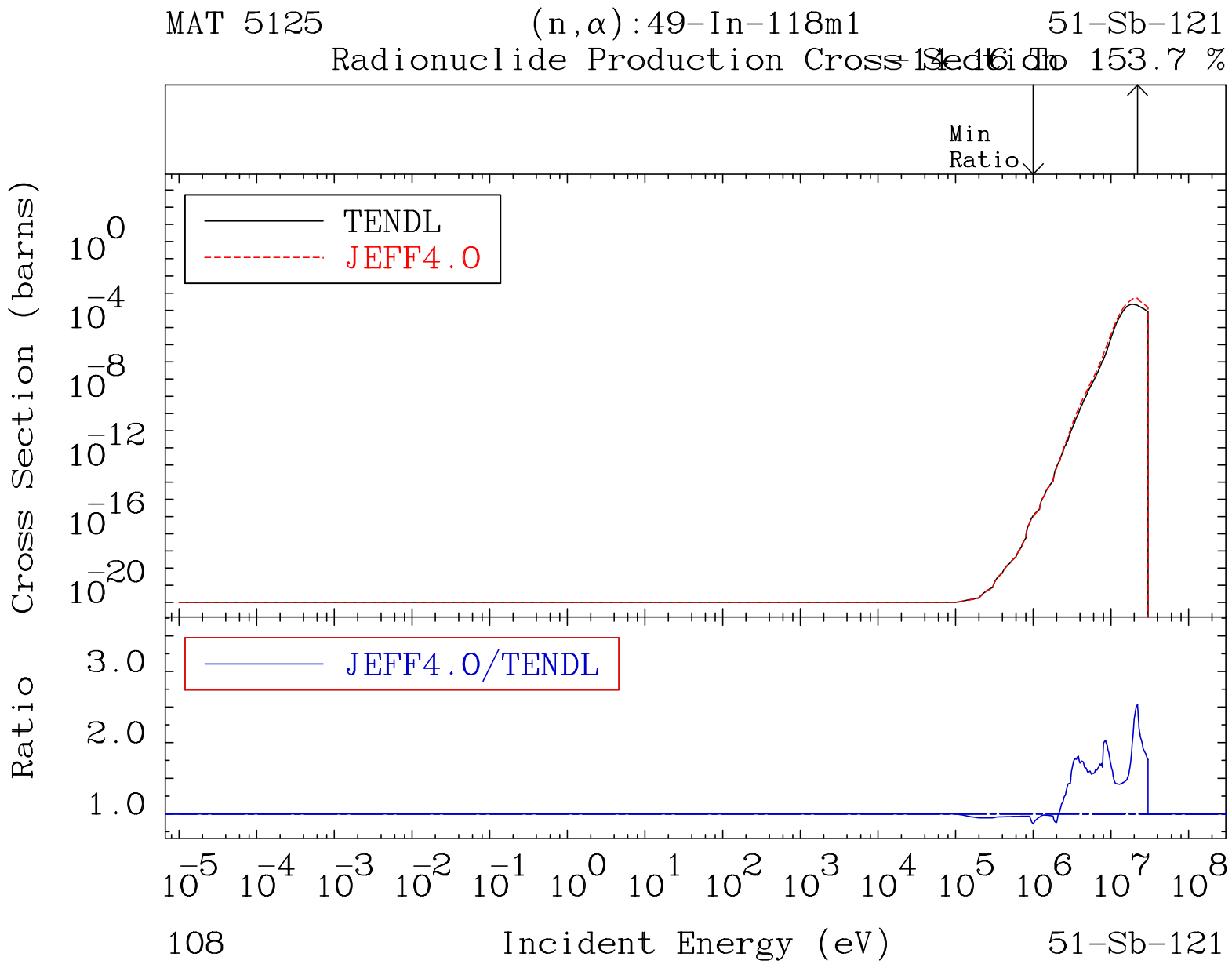

MAT 5125
(n,t):50-Sn-119g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 2821. %
Min Ratio
Max Ratio
TENDL Threshold 6.4662 MeV
JEFF4.0 Threshold 6.4662 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
103
51-Sb-121

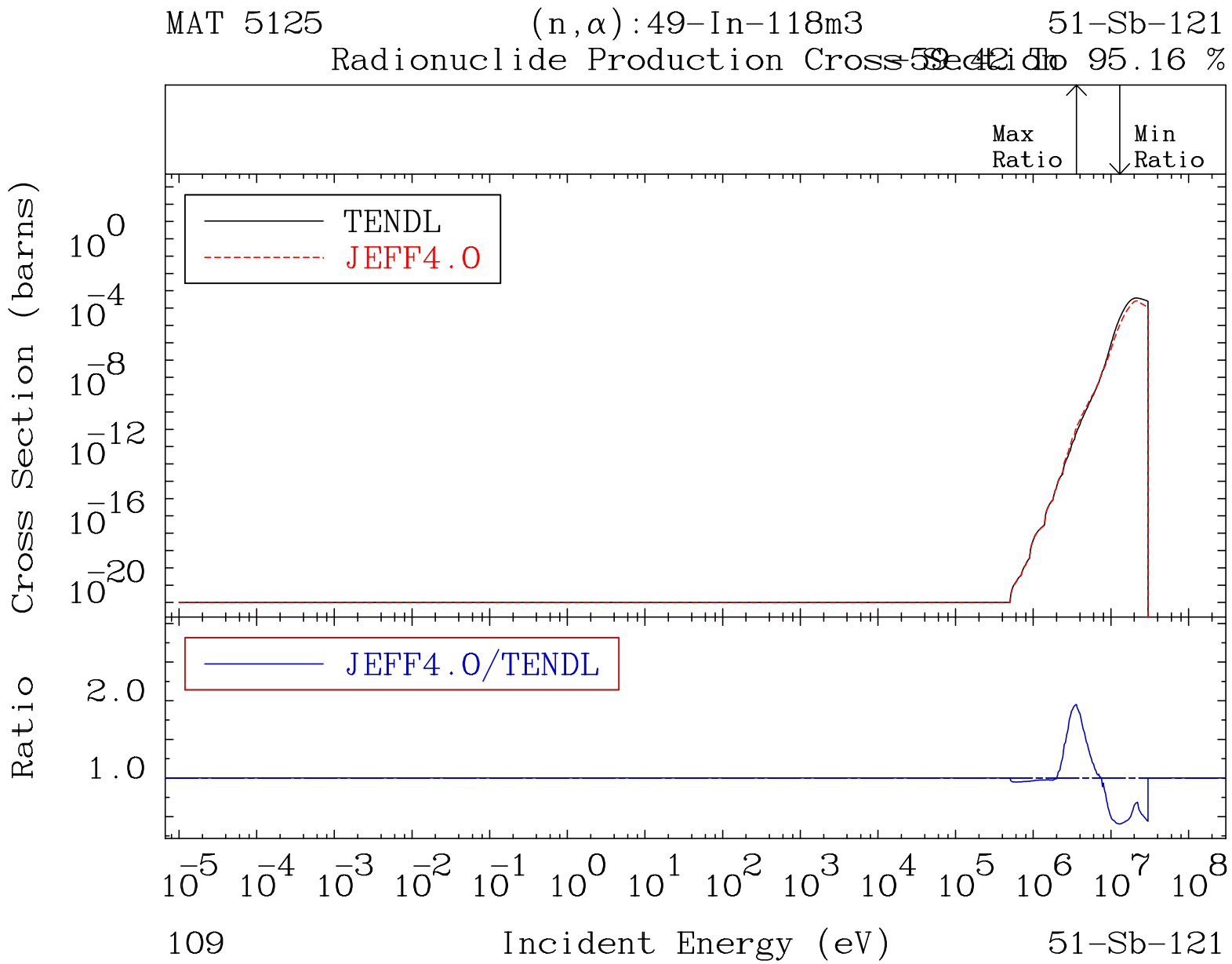

MAT 5125
(n,t):50-Sn-119m2
51-Sb-121
Radionuclide Production Cross Section
0.000 To 1777. %
Min Ratio
Max Ratio
TENDL Threshold 6.5564 MeV
JEFF4.0 Threshold 6.5564 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
104
51-Sb-121

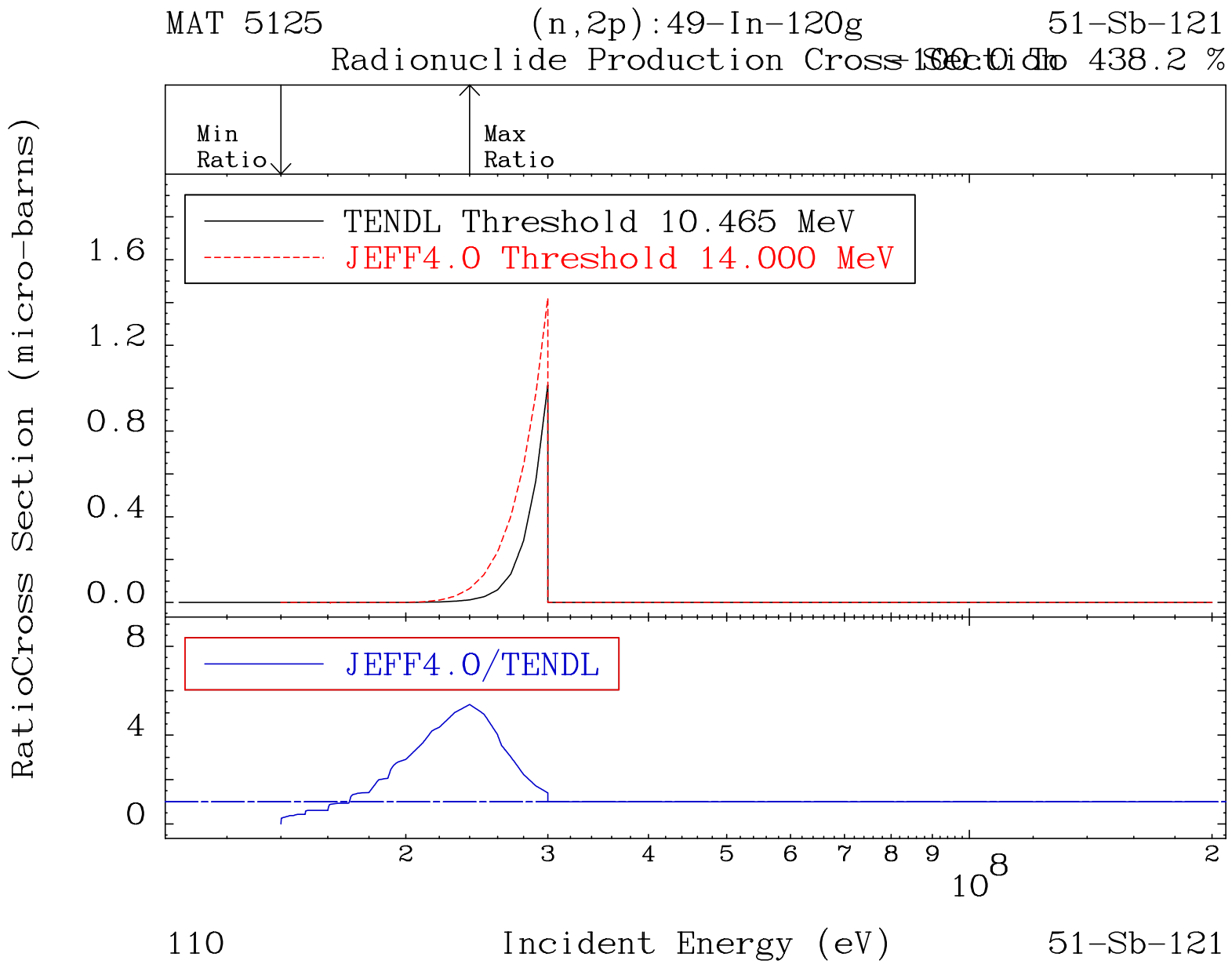

MAT 5125
(n,He-3):49-In-119g
51-Sb-121
Radionuclide Production Cross Section
0.000 To 2360. %
Min Ratio
Max Ratio
TENDL Threshold 8.8335 MeV
JEFF4.0 Threshold 8.8335 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
105
Incident Energy (eV)
51-Sb-121

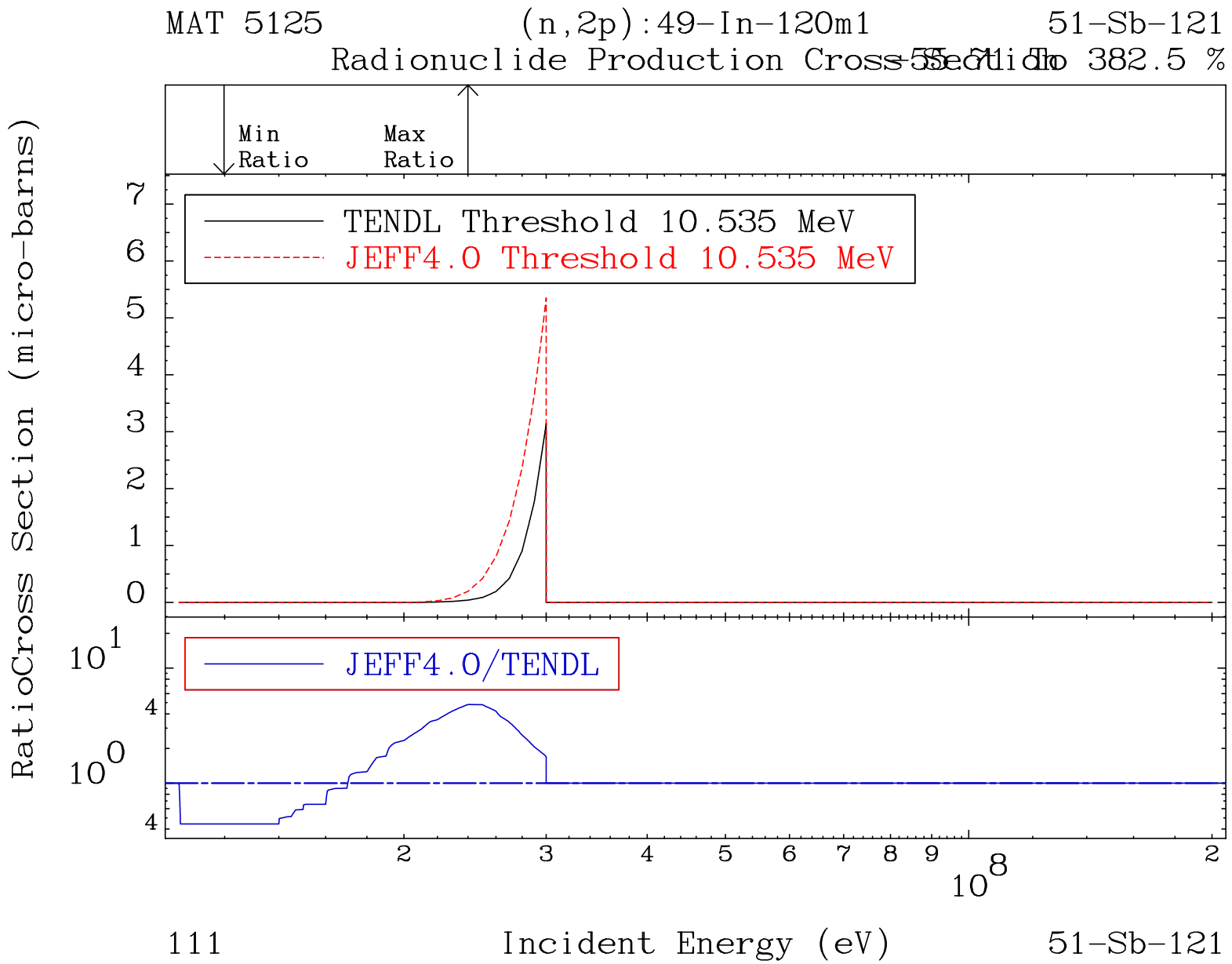

MAT 5125
(n,He-3):49-In-119m1
51-Sb-121
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.000 MeV
JEFF4.0 Threshold 9.1475 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
106
Incident Energy (eV)
51-Sb-121

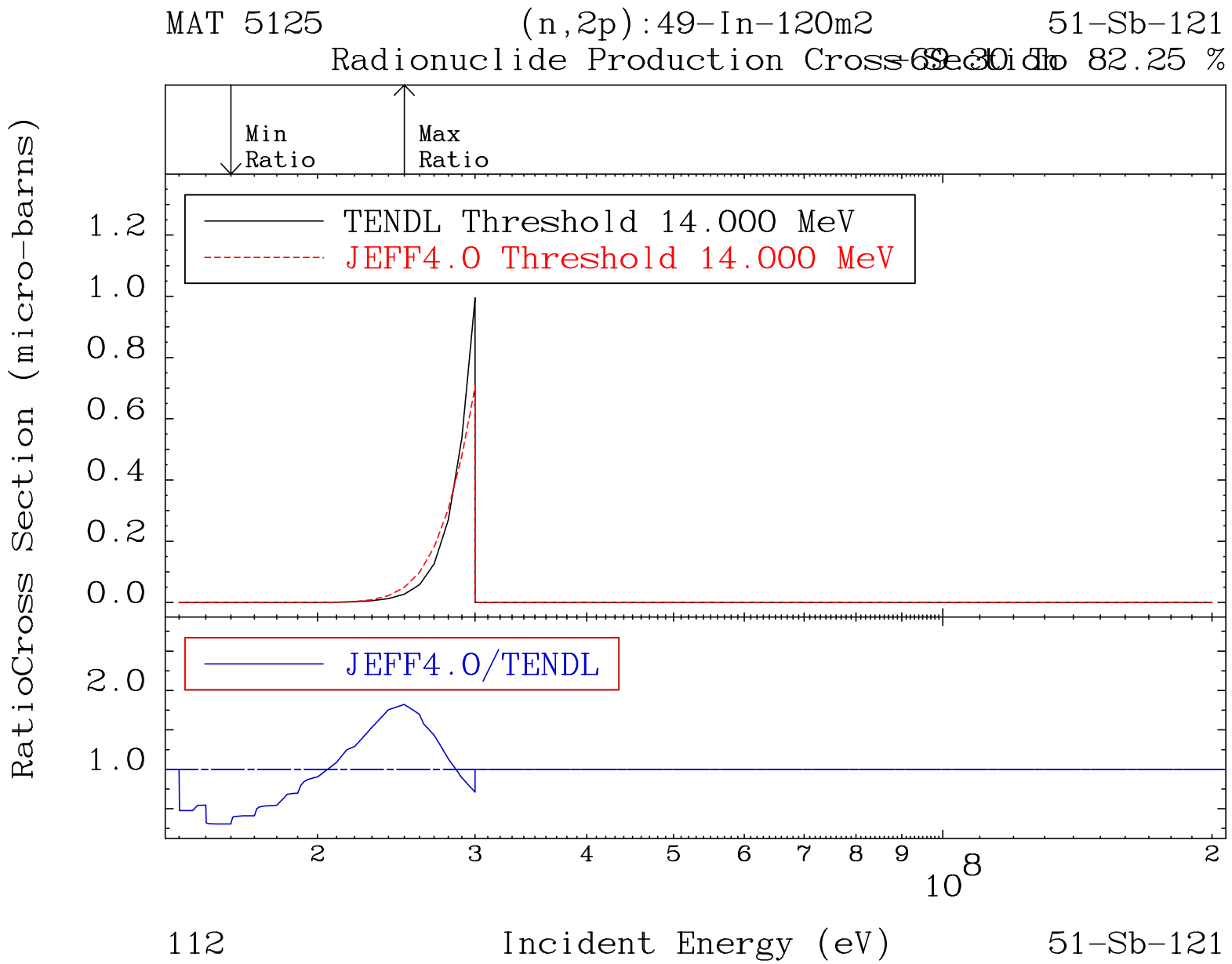

MAT 5125
(n,α):49-In-118g
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
107
51-Sb-121

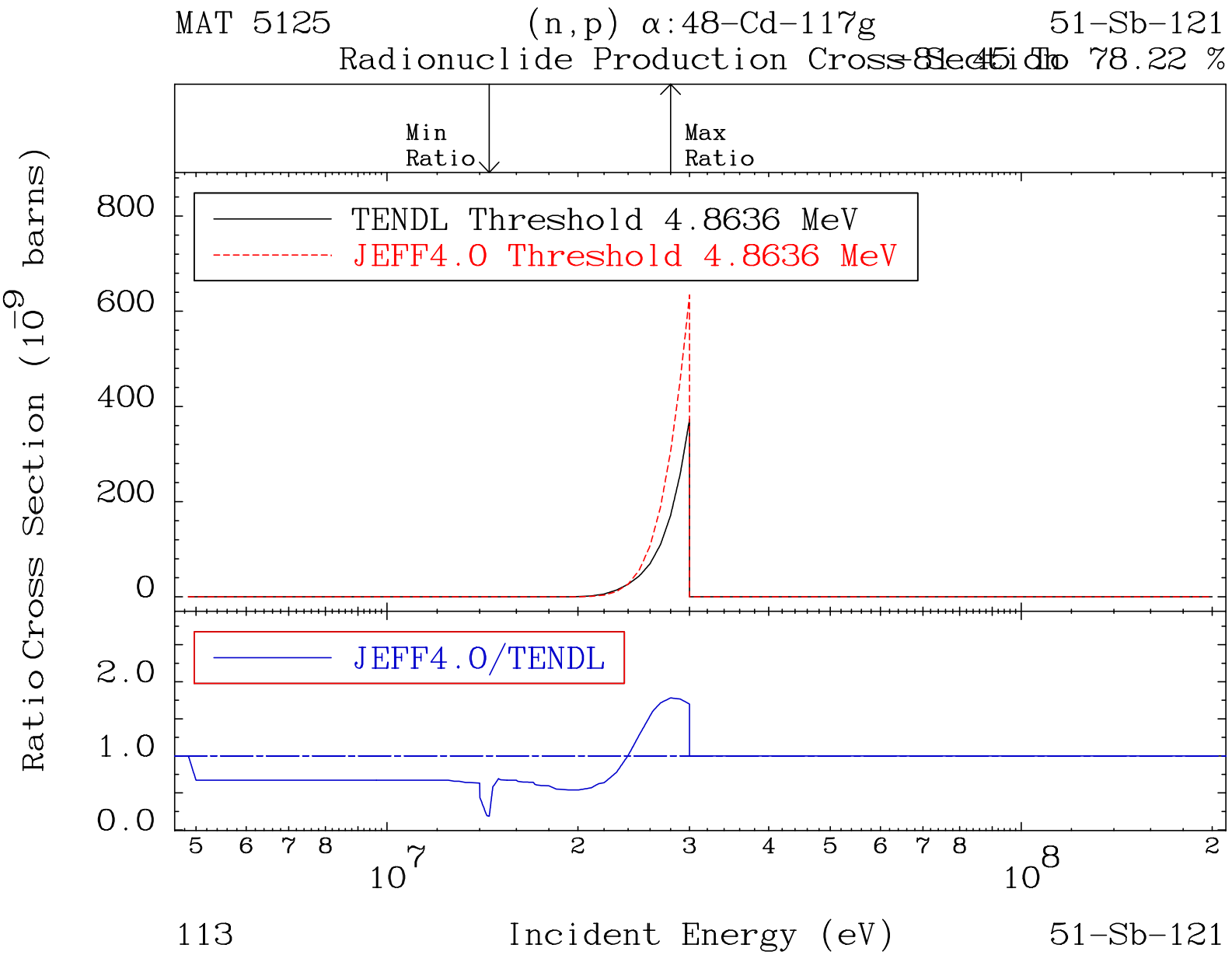

MAT 5125
(n,α):49-In-118m1
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
108
51-Sb-121

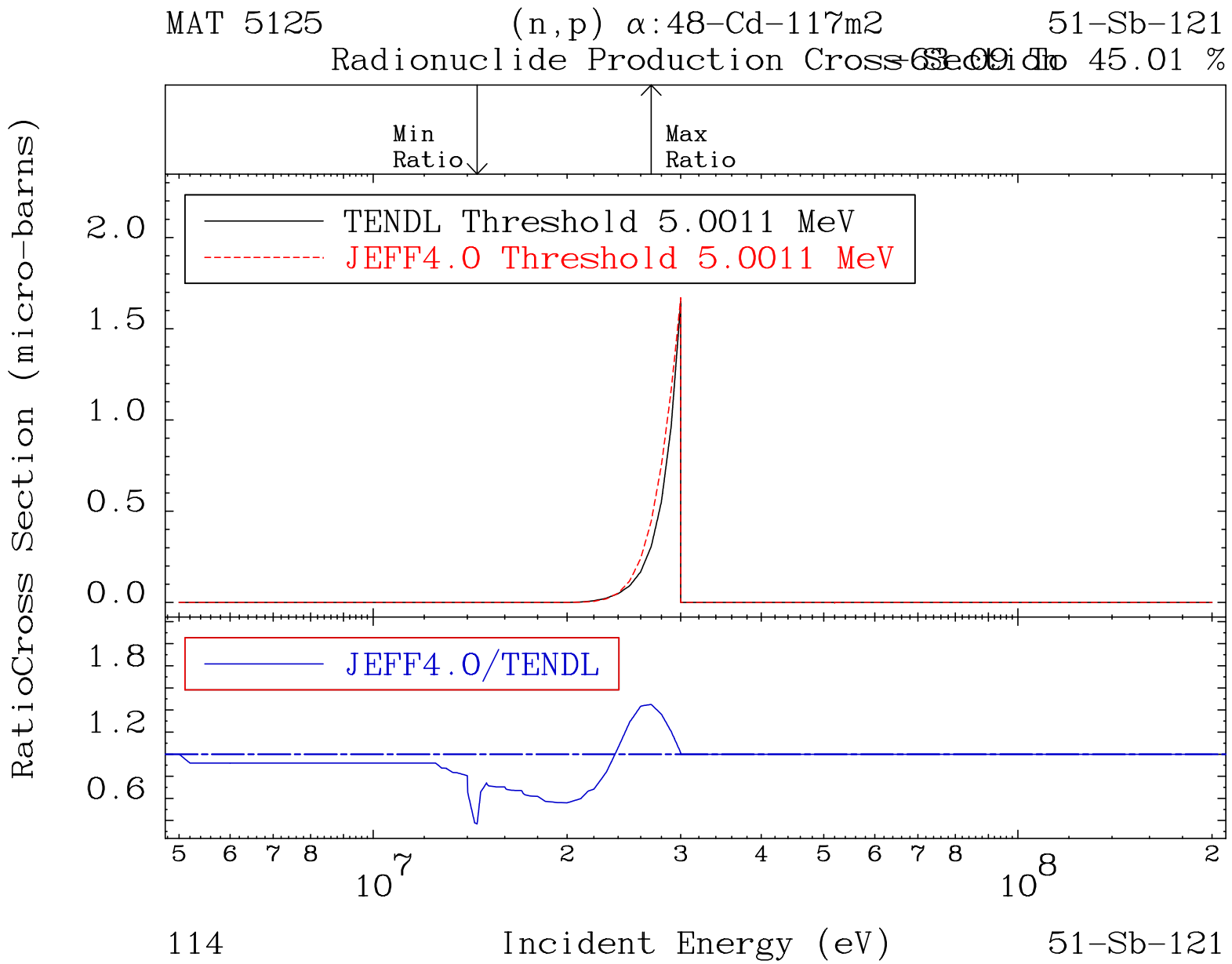

MAT 5125
(n,α):49-In-118m3
51-Sb-121
Radionuclide Production Cross Section To 95.16 %
Max Ratio
Min Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
109
51-Sb-121

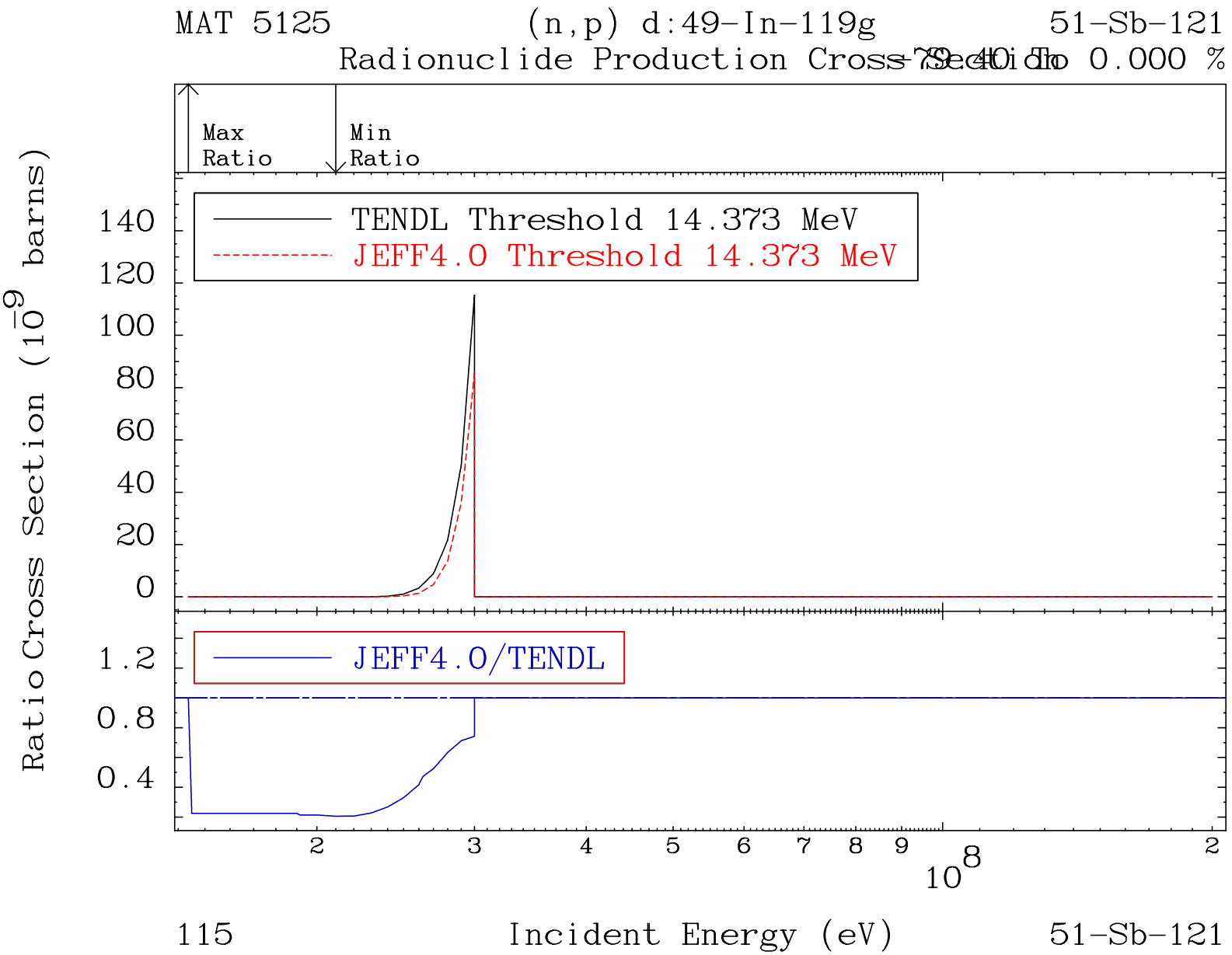

MAT 5125
(n,2p):49-In-120g
51-Sb-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.465 MeV
JEFF4.0 Threshold 14.000 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
110
51-Sb-121

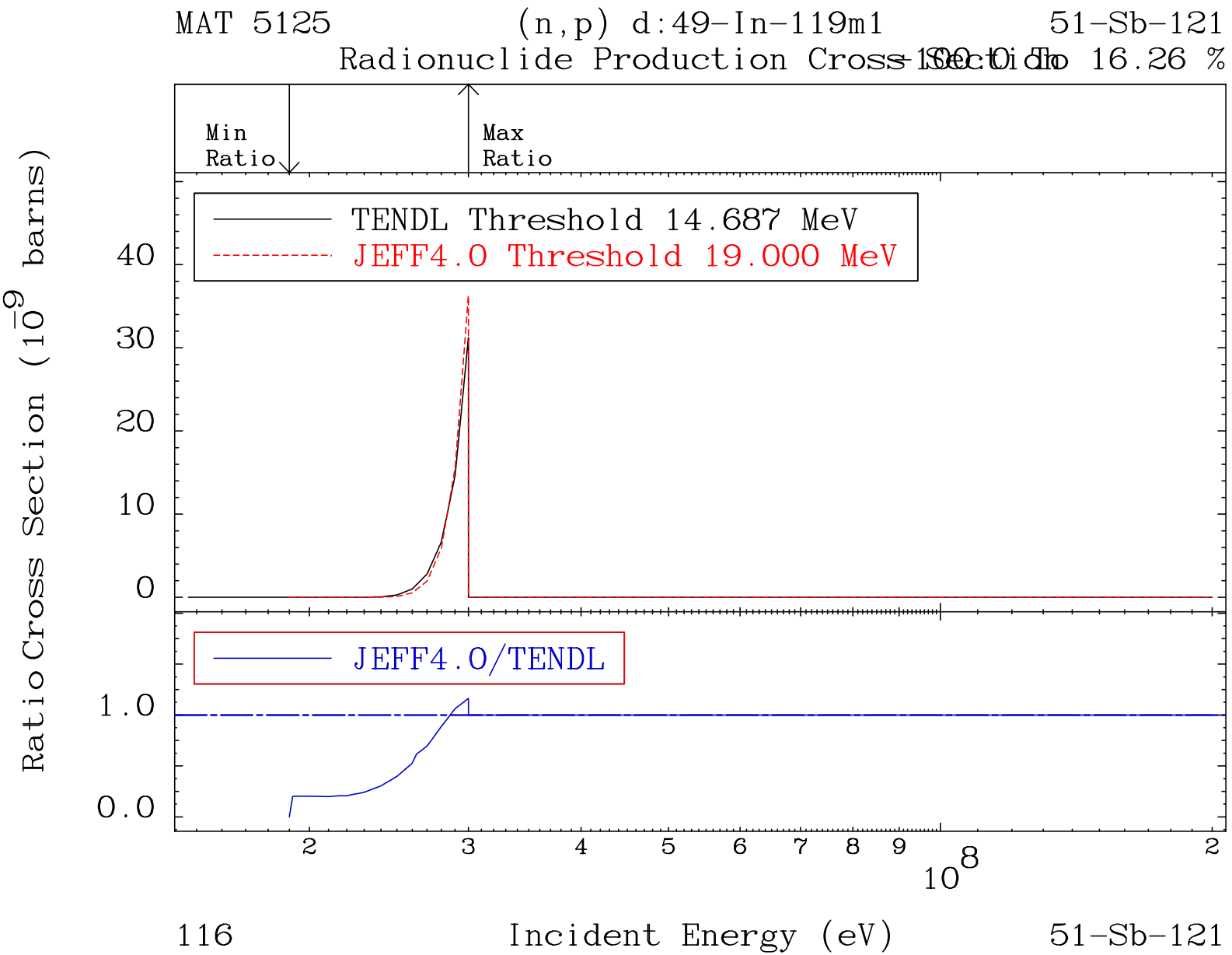

MAT 5125
(n,2p):49-In-120m1
51-Sb-121
Radionuclide Production Cross Section
To 382.5 %
Min Ratio
Max Ratio
TENDL Threshold 10.535 MeV
JEFF4.0 Threshold 10.535 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
111
51-Sb-121

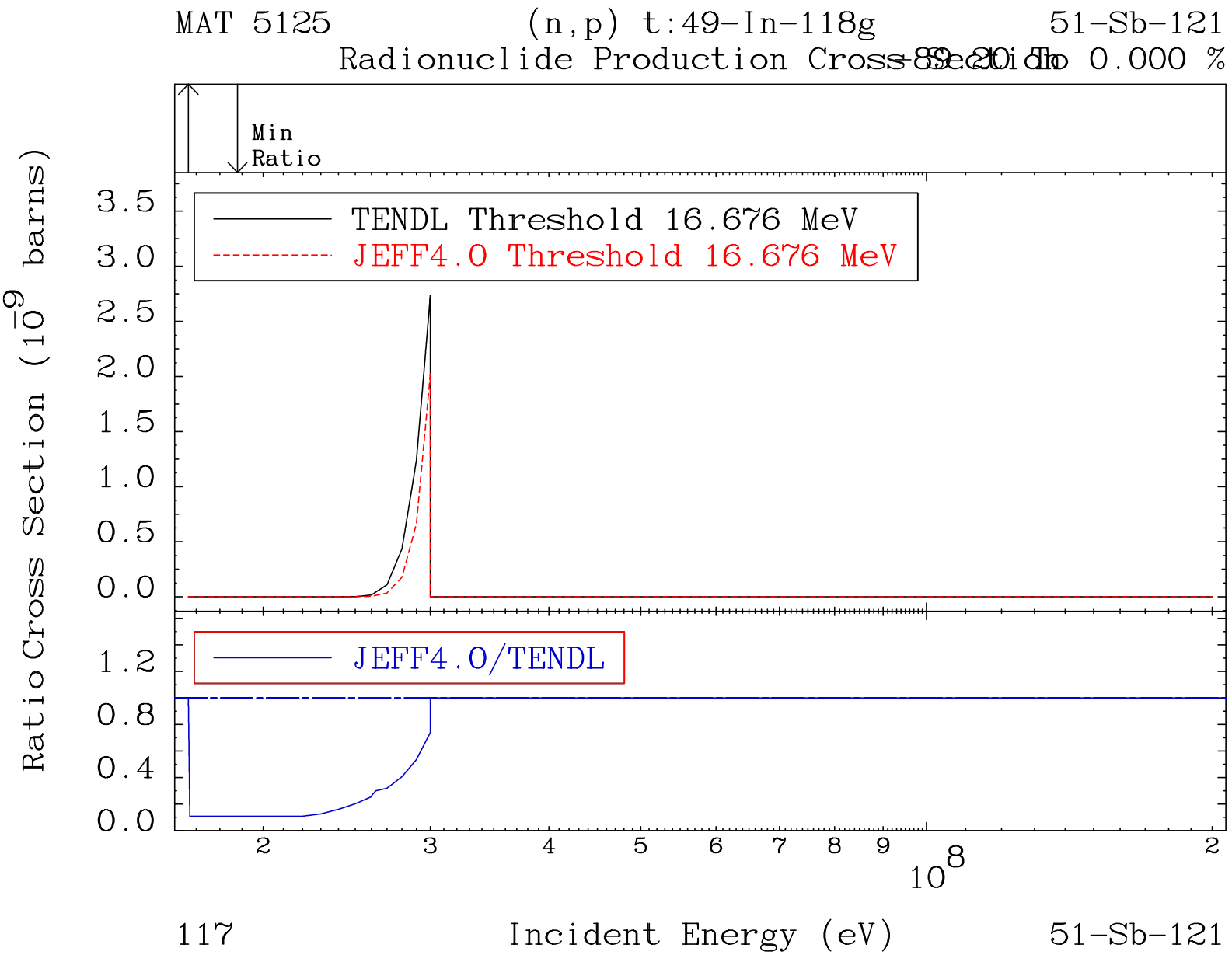

MAT 5125
(n,2p):49-In-120m2
51-Sb-121
Radionuclide Production Cross-Section To 82.25 %
Min Ratio
Max Ratio
TENDL Threshold 14.000 MeV
JEFF4.0 Threshold 14.000 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
112
Incident Energy (eV)
51-Sb-121

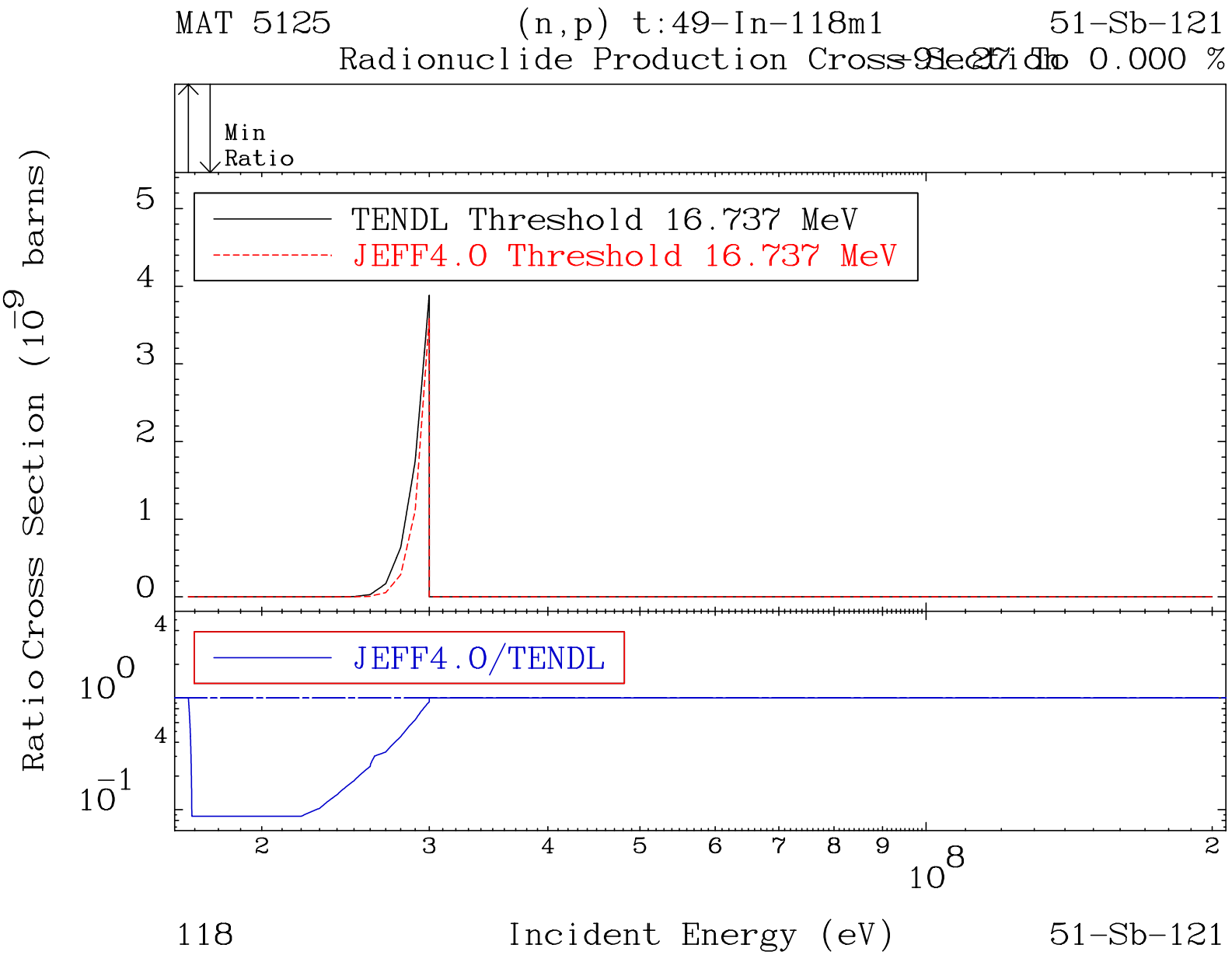

MAT 5125
(n,p) α:48-Cd-117g
51-Sb-121
Radionuclide Production Cross Section To 78.22 %
Min Ratio
Max Ratio
TENDL Threshold 4.8636 MeV
JEFF4.0 Threshold 4.8636 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
800
600
400
200
0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
113
Incident Energy (eV)
51-Sb-121

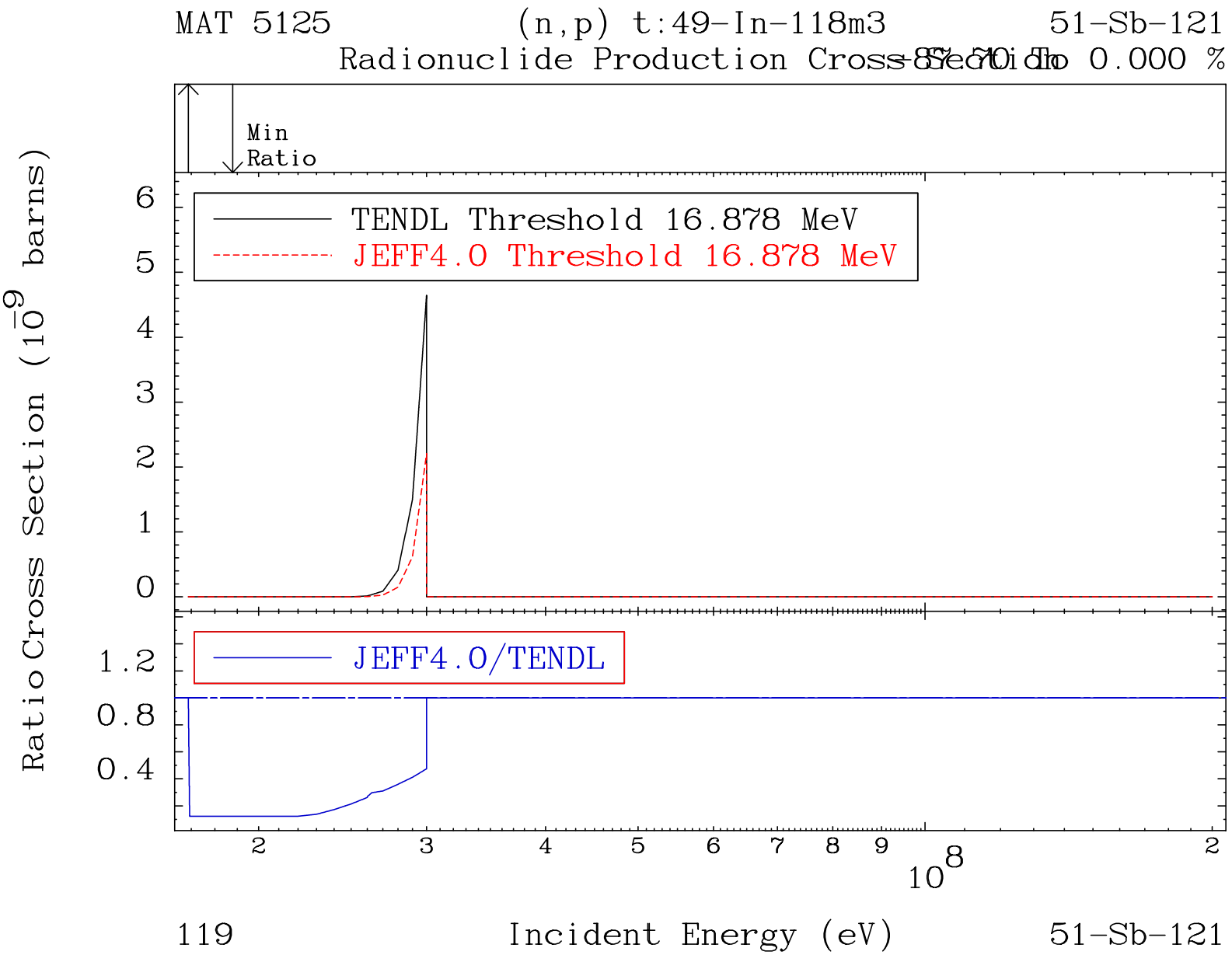

MAT 5125
(n,p) α:48-Cd-117m2
51-Sb-121
Radionuclide Production Cross-Section To 45.01 %
Min Ratio
Max Ratio
TENDL Threshold 5.0011 MeV
JEFF4.0 Threshold 5.0011 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
1.8
1.2
0.6
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
114
Incident Energy (eV)
51-Sb-121


MAT 5125
(n,p) d:49-In-119g
51-Sb-121
Radionuclide Production Cross Section
To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 14.373 MeV
JEFF4.0 Threshold 14.373 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
115
Incident Energy (eV)
51-Sb-121


MAT 5125
(n,p) d:49-In-119m1
51-Sb-121
Radionuclide Production Cross Section To 16.26 %
Min Ratio
Max Ratio
TENDL Threshold 14.687 MeV
JEFF4.0 Threshold 19.000 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
40
30
20
10
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
116
Incident Energy (eV)
51-Sb-121


MAT 5125
(n,p) t:49-In-118g
51-Sb-121
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 16.676 MeV
JEFF4.0 Threshold 16.676 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
117
Incident Energy (eV)
51-Sb-121


MAT 5125
(n,p) t:49-In-118m1
51-Sb-121
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 16.737 MeV
JEFF4.0 Threshold 16.737 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
118
51-Sb-121


MAT 5125
(n,p) t:49-In-118m3
51-Sb-121
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 16.878 MeV
JEFF4.0 Threshold 16.878 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
119
51-Sb-121