Program Complot
(Version 2018-1)
by
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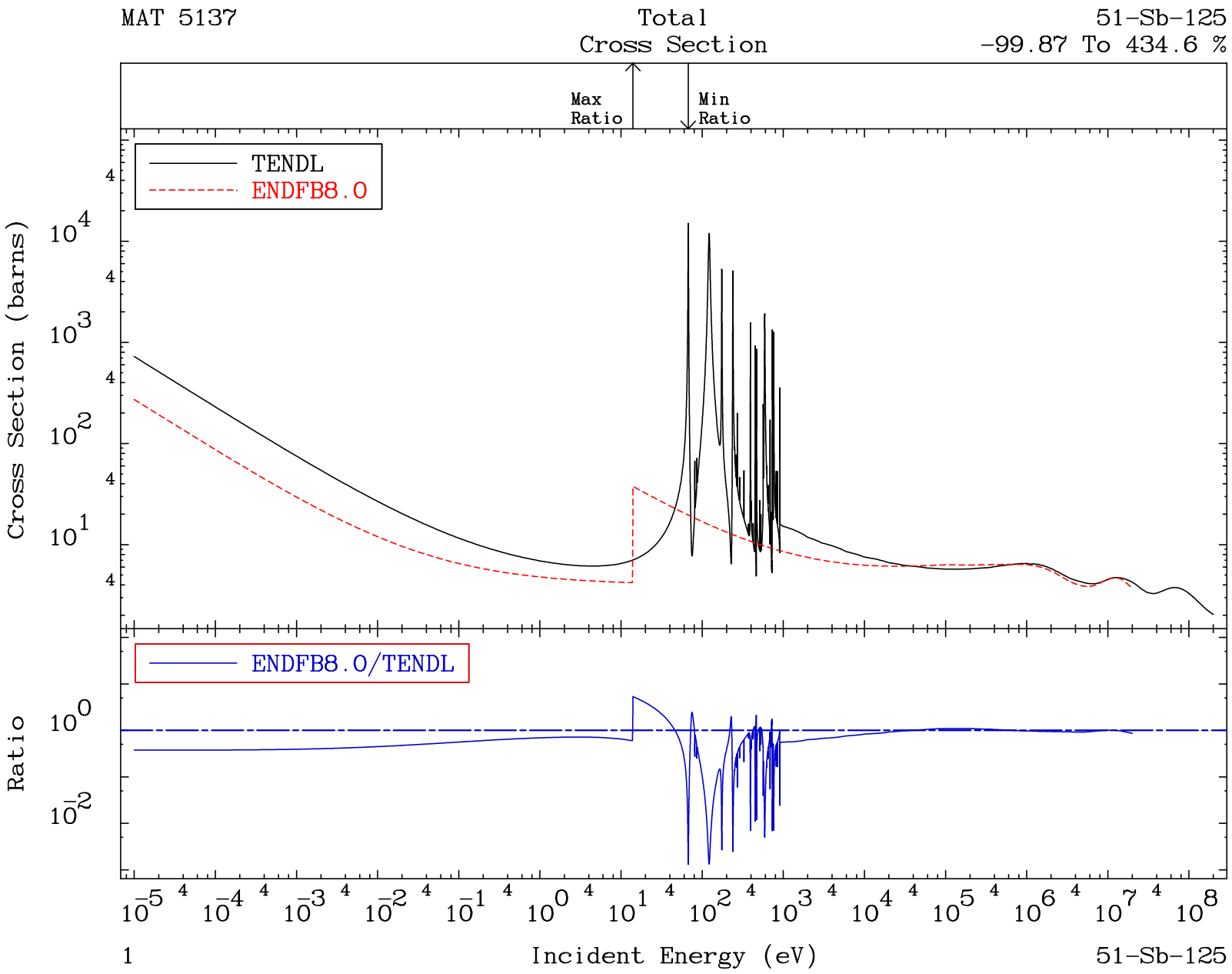
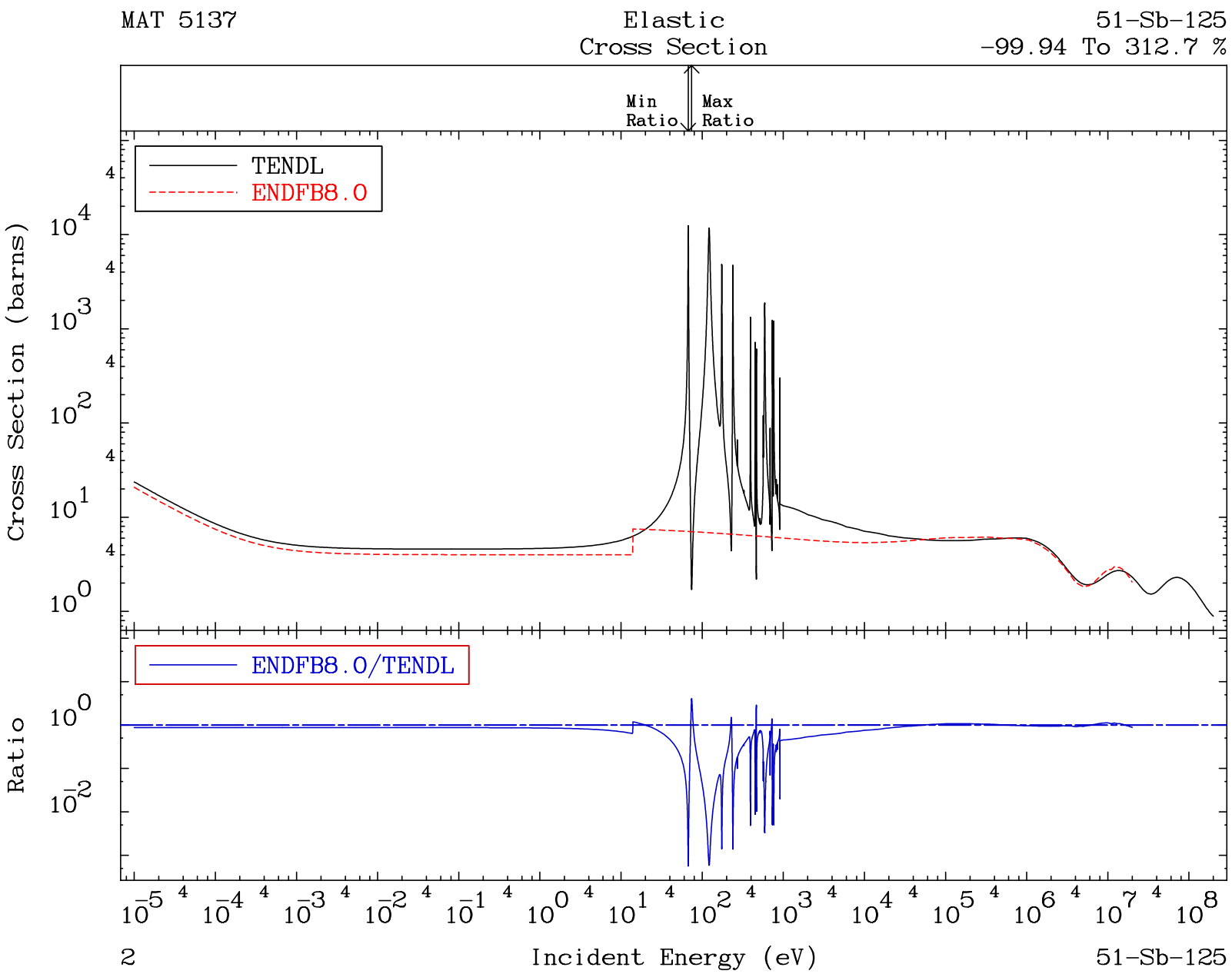
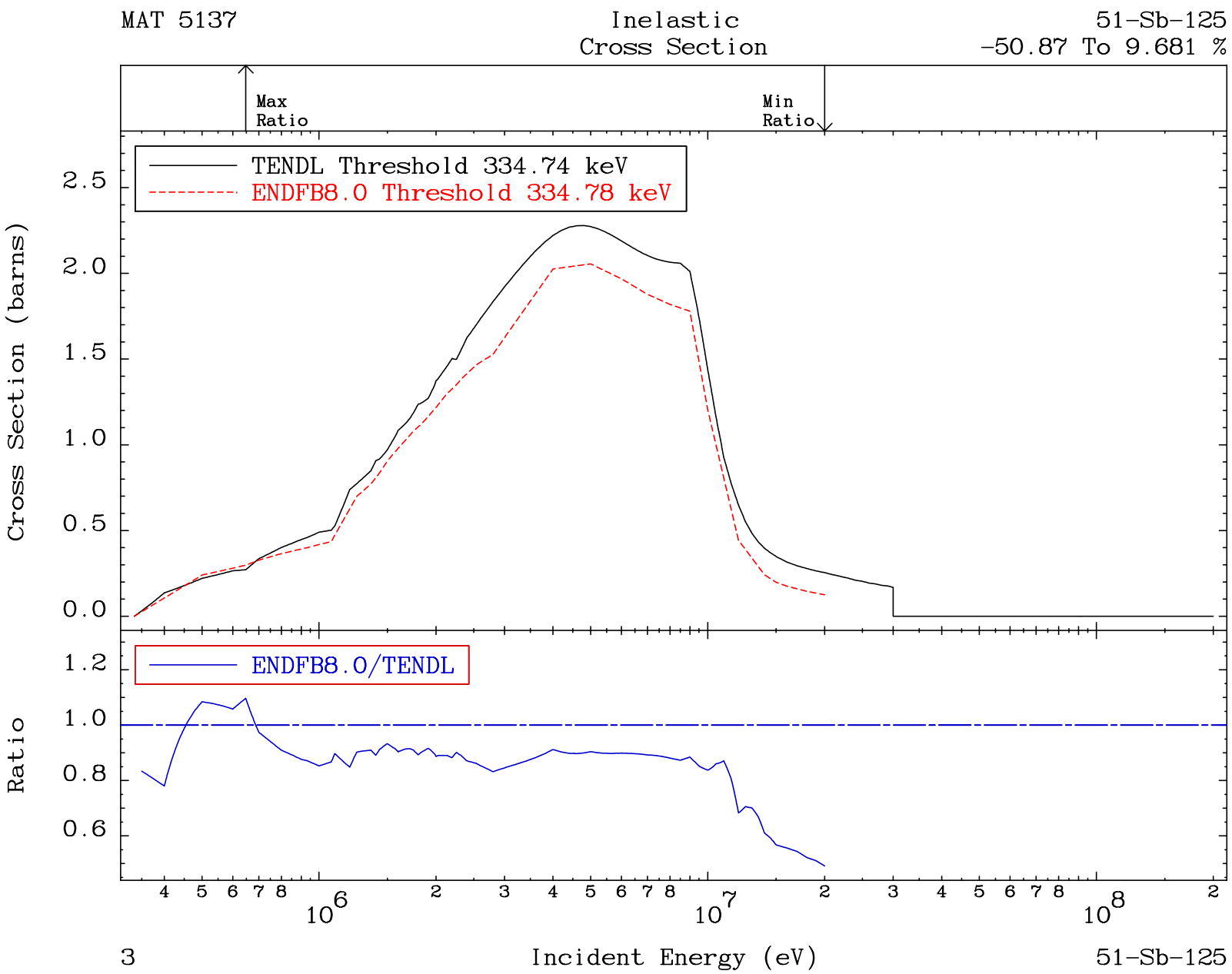
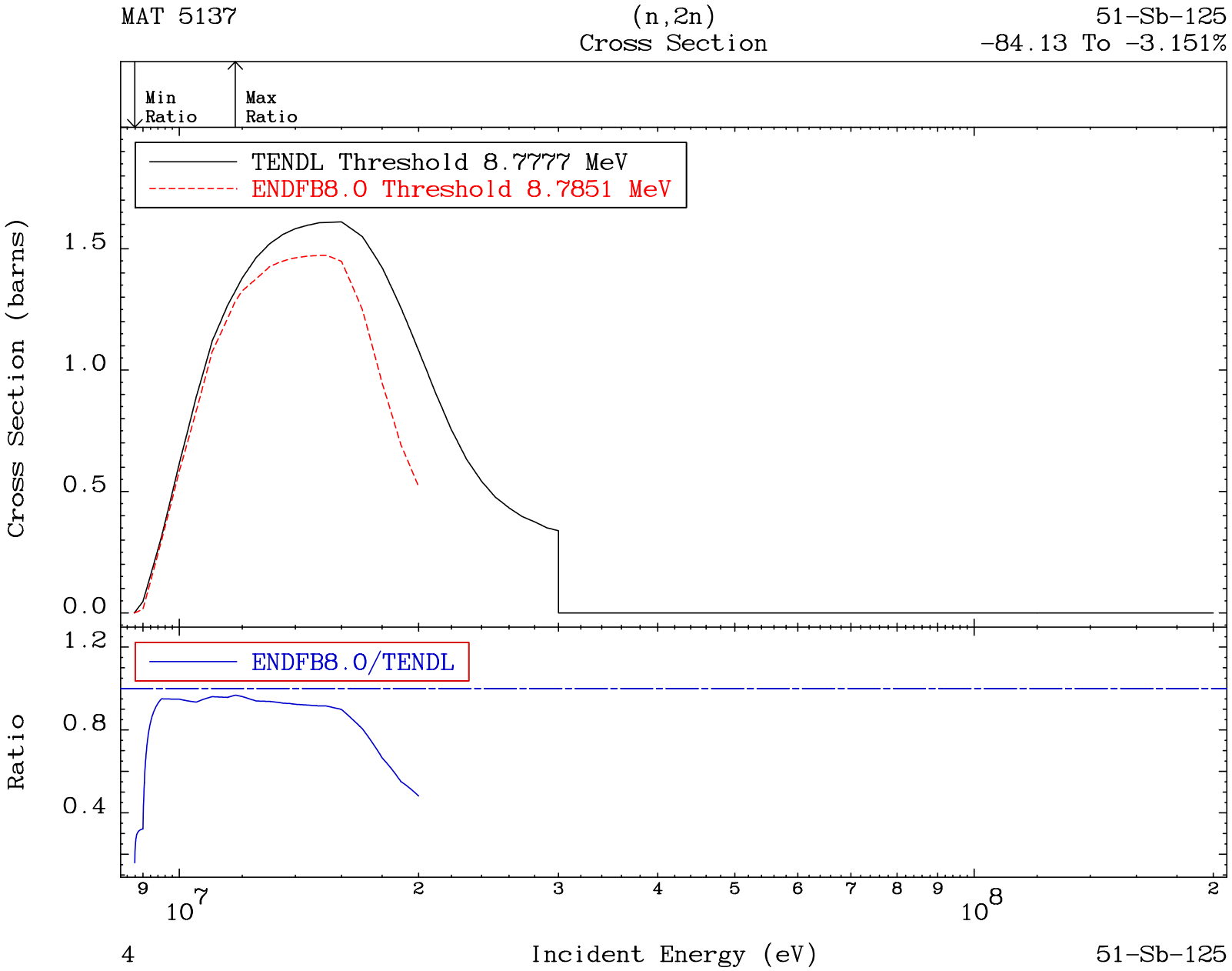
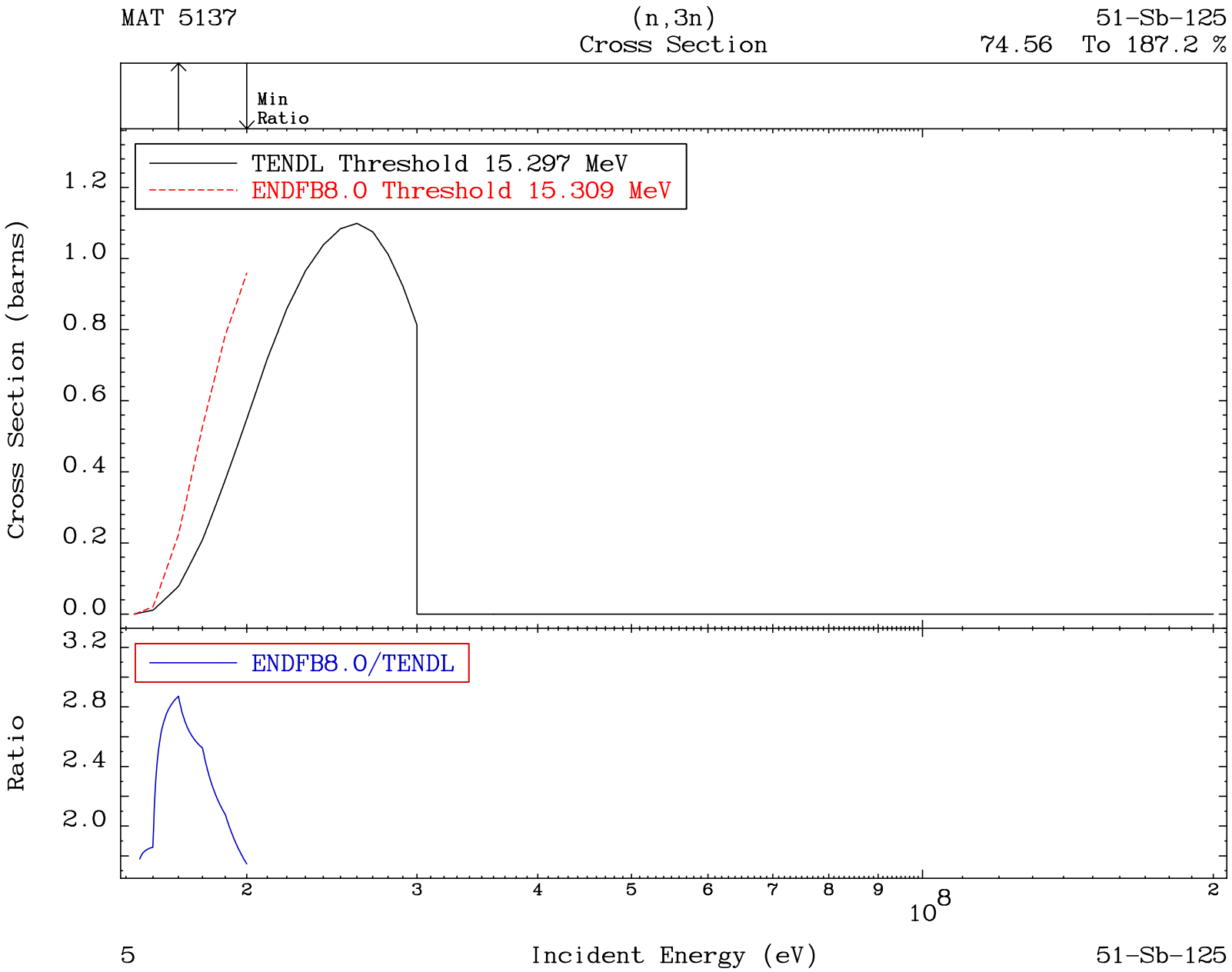
Press Mouse Button to Start

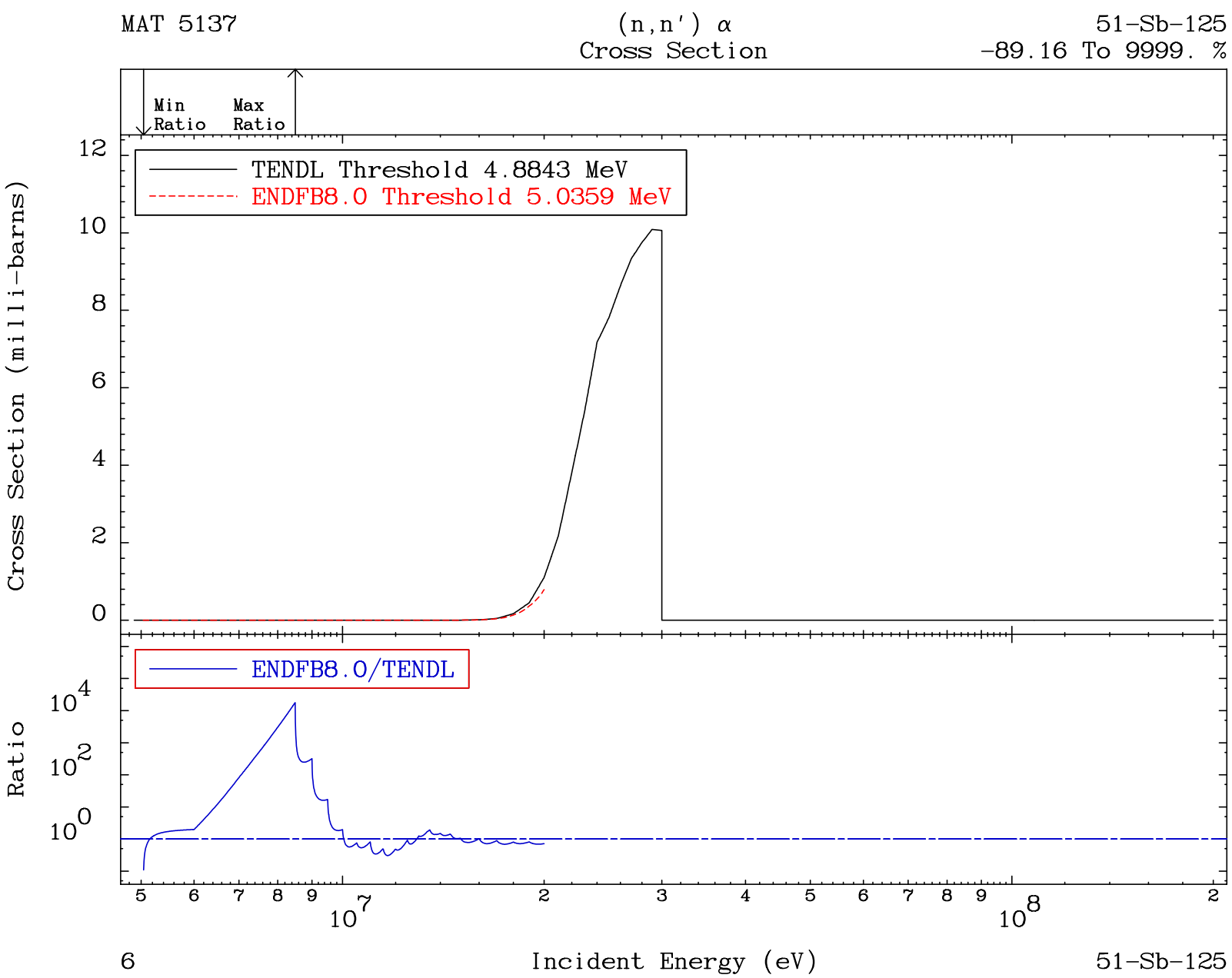

MAT 5137
Total
Cross Section
51-Sb-125
-99.87 To 434.6 %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
51-Sb-125

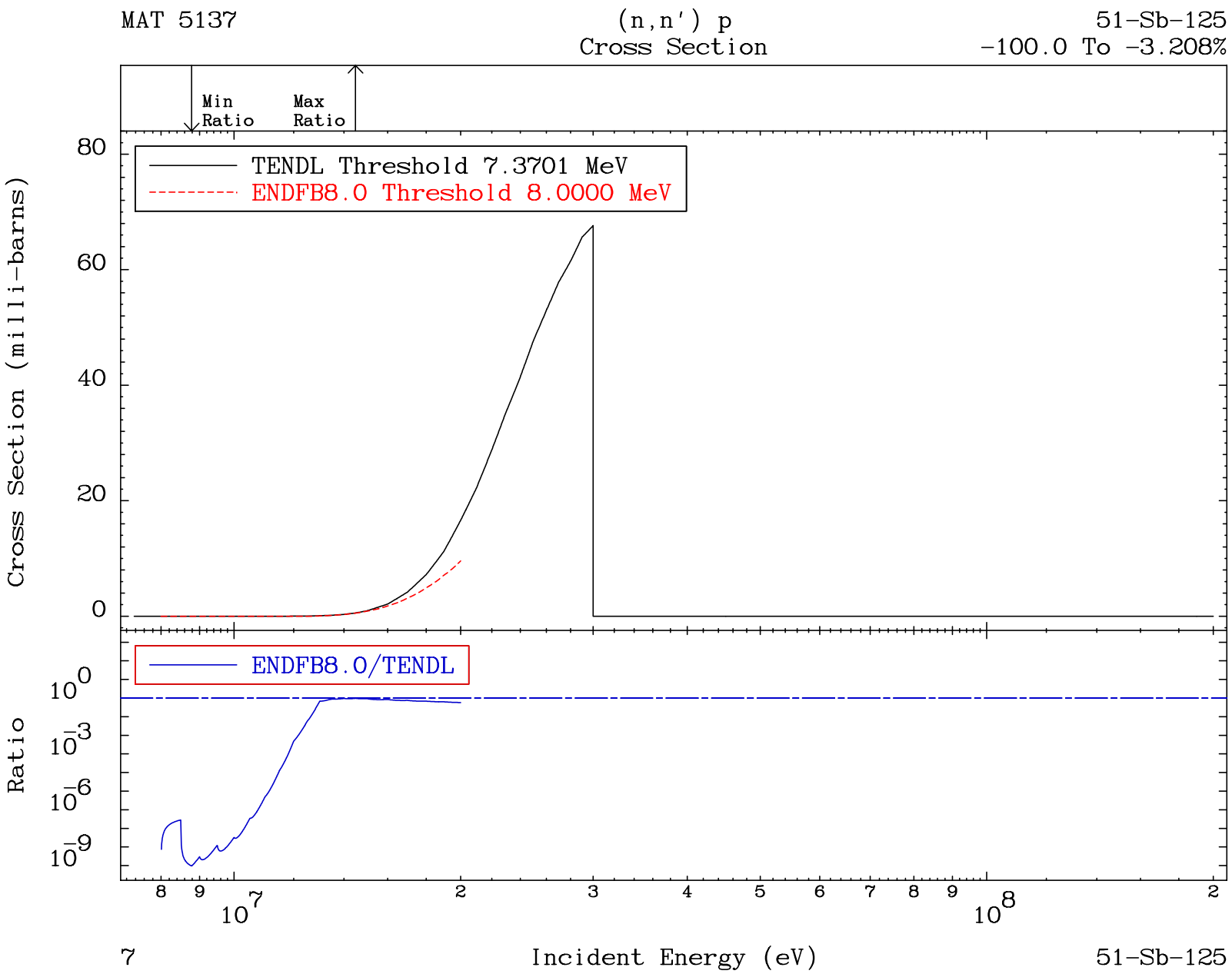

MAT 5137
Elastic
Cross Section
51-Sb-125
-99.94 To 312.7 %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
51-Sb-125

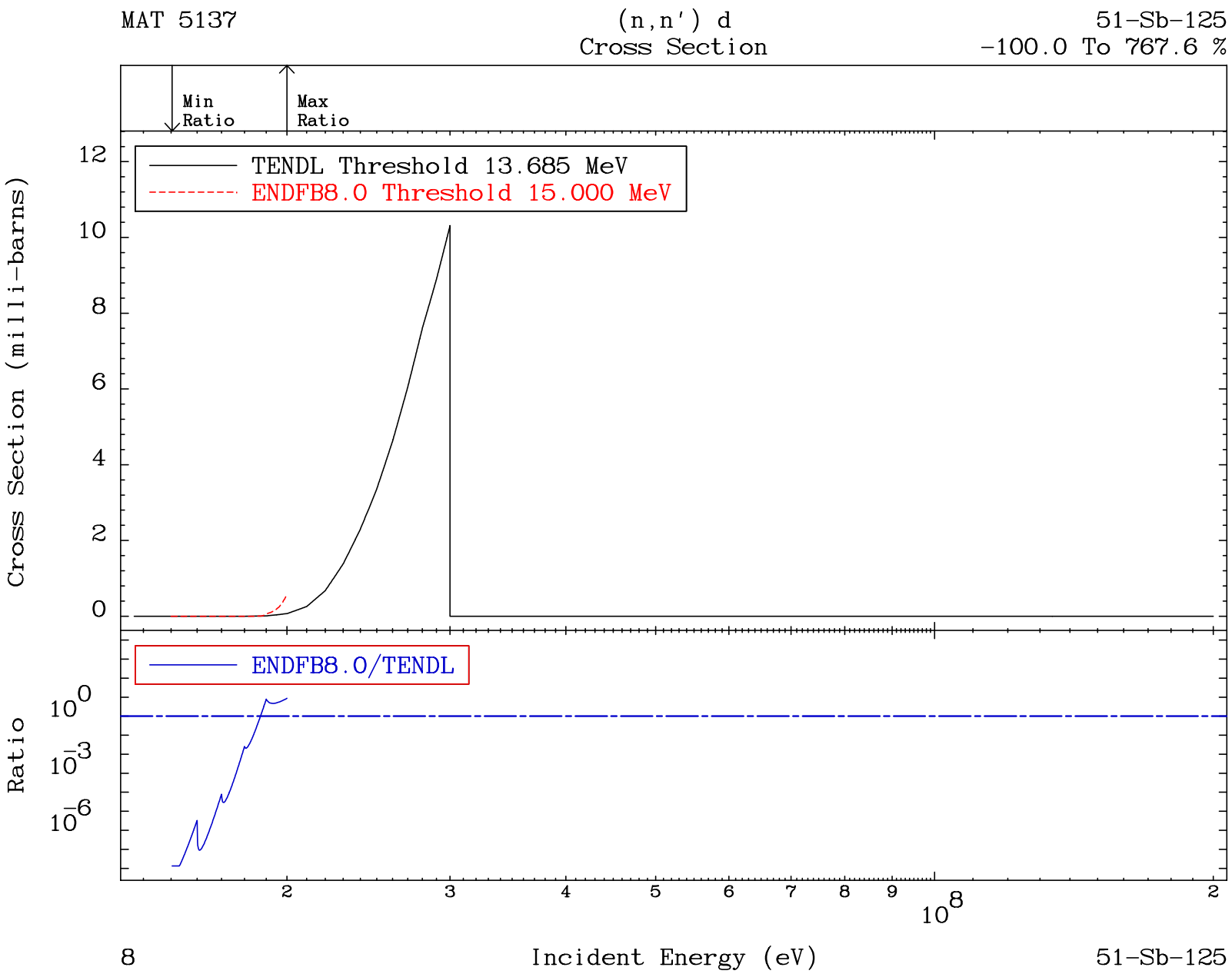

MAT 5137
Inelastic
Cross Section
51-Sb-125
-50.87 To 9.681 %
Max
Ratio
Min
Ratio
TENDL Threshold 334.74 keV
ENDFB8.0 Threshold 334.78 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
1.0
0.8
0.6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
51-Sb-125

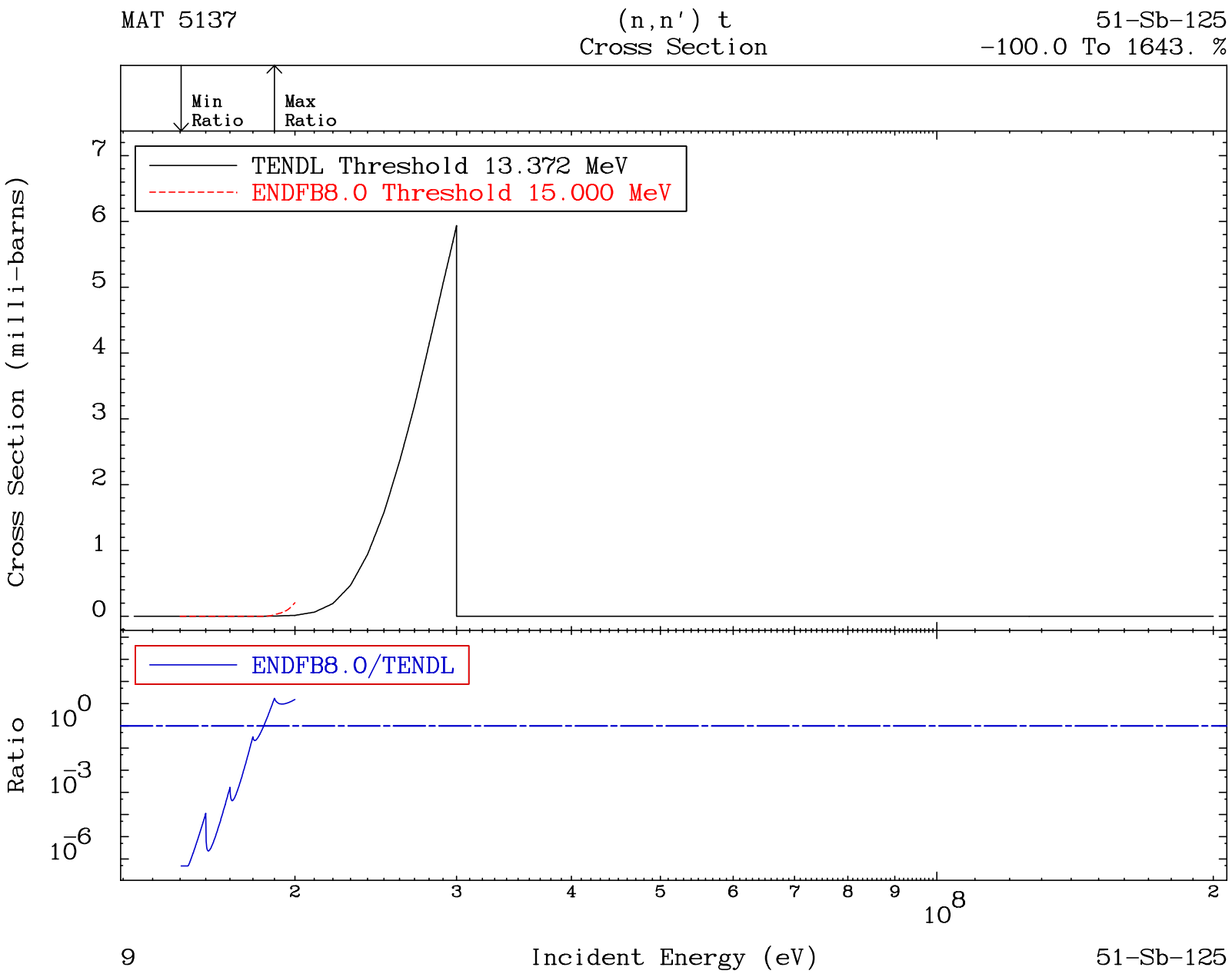

MAT 5137
(n,2n)
Cross Section
51-Sb-125
-84.13 To -3.151%
Min Ratio
Max Ratio
TENDL Threshold 8.7777 MeV
ENDFB8.0 Threshold 8.7851 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
1.2
0.8
0.4
Ratio
ENDFB8.0/TENDL
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
51-Sb-125

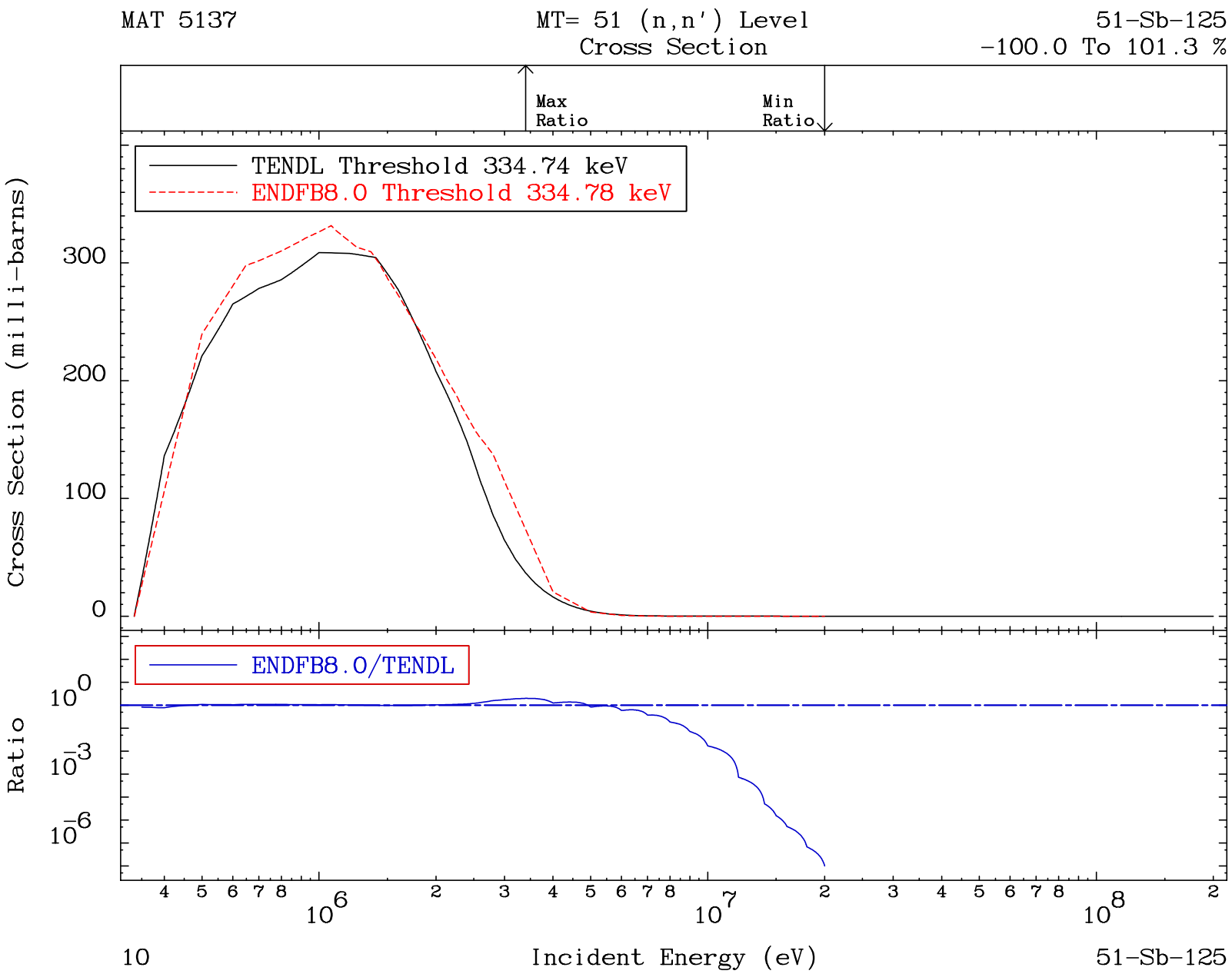

MAT 5137
(n,3n)
Cross Section
51-Sb-125
74.56 To 187.2 %
Min
Ratio
TENDL Threshold 15.297 MeV
ENDFB8.0 Threshold 15.309 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
3.2
2.8
2.4
2.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
51-Sb-125

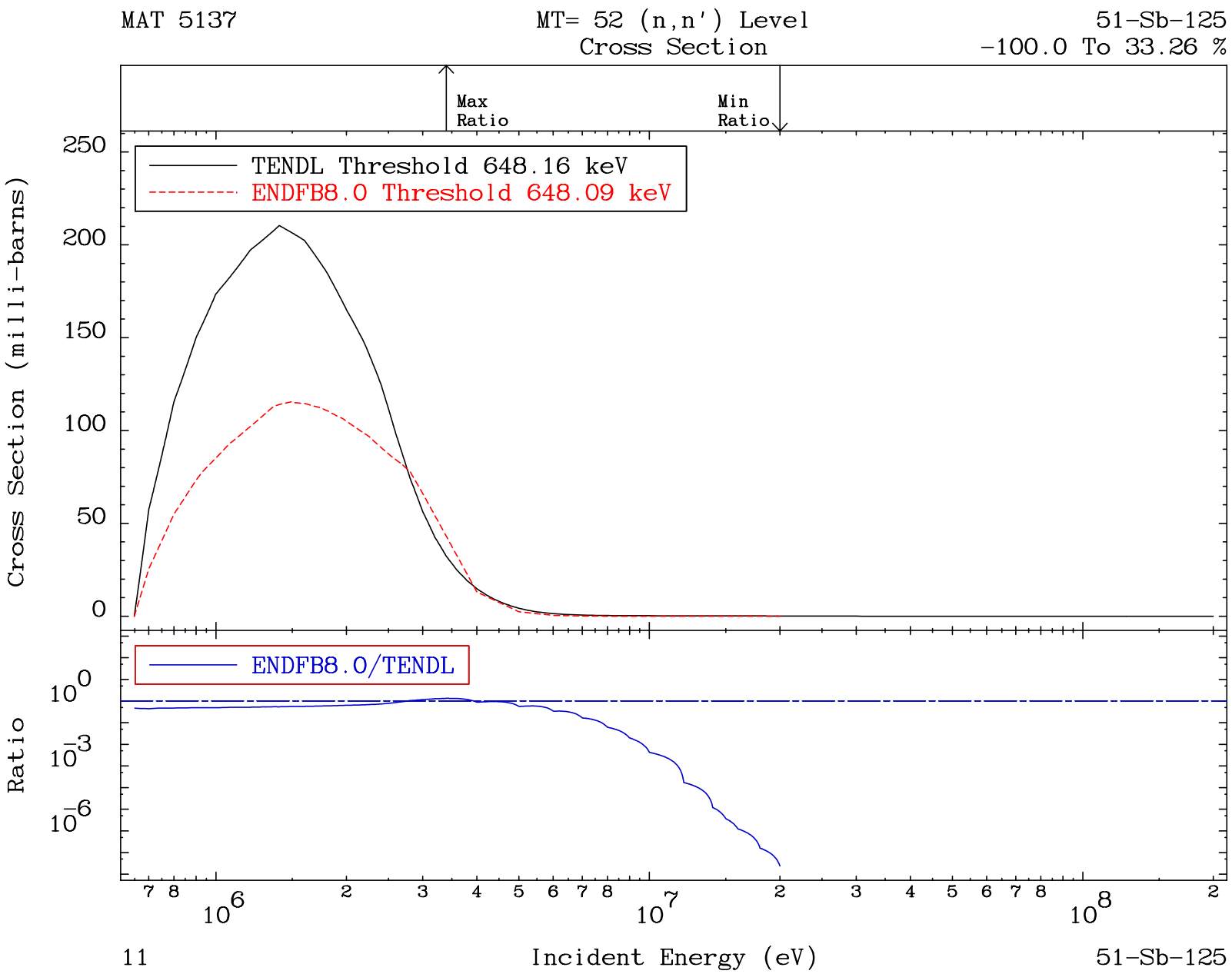

MAT 5137
(n,n') α
Cross Section
51-Sb-125
-89.16 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8843 MeV
ENDFB8.0 Threshold 5.0359 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
6
51-Sb-125

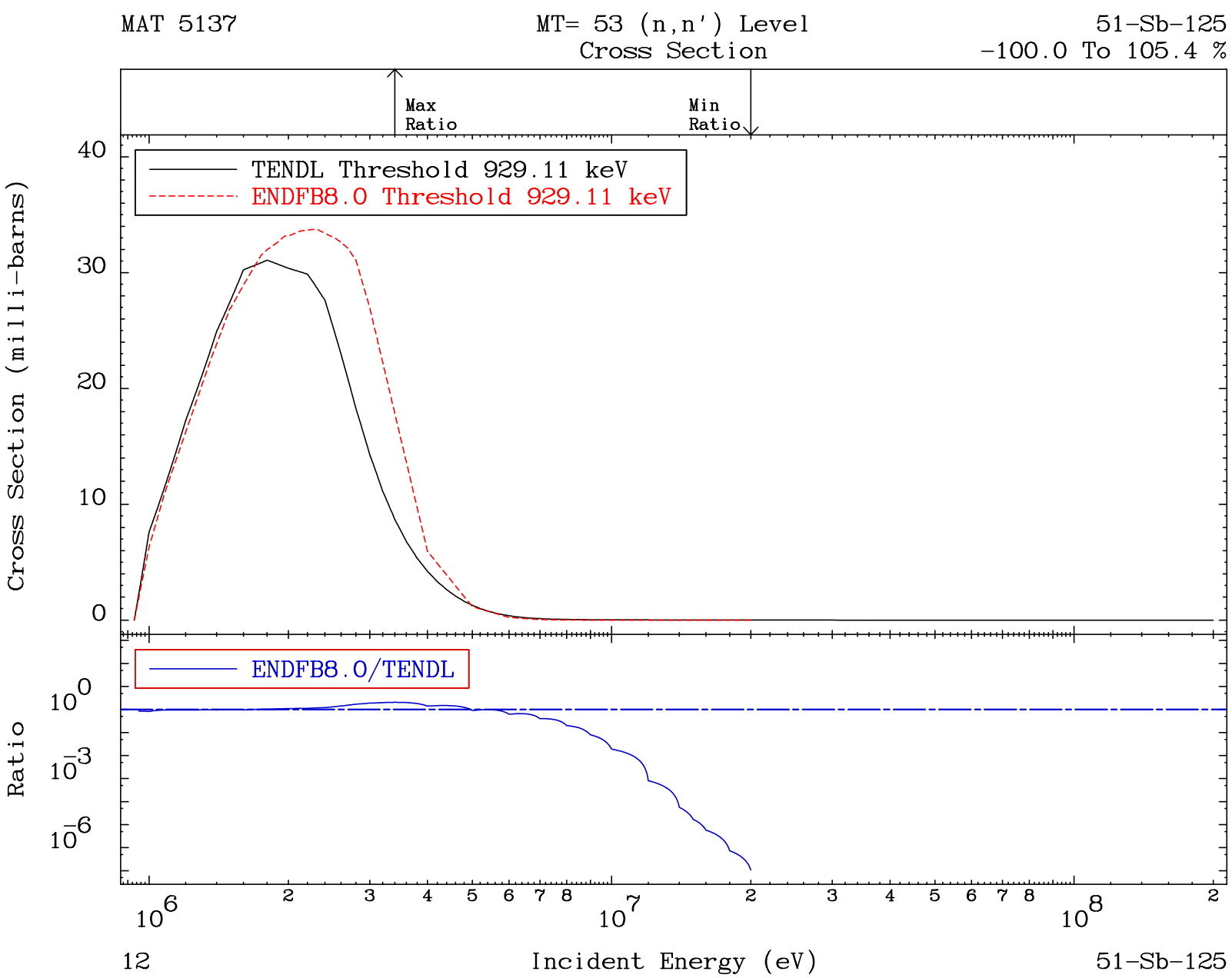

MAT 5137
(n,n') p
Cross Section
51-Sb-125
-100.0 To -3.208%
Min Ratio
Max Ratio
TENDL Threshold 7.3701 MeV
ENDFB8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
51-Sb-125

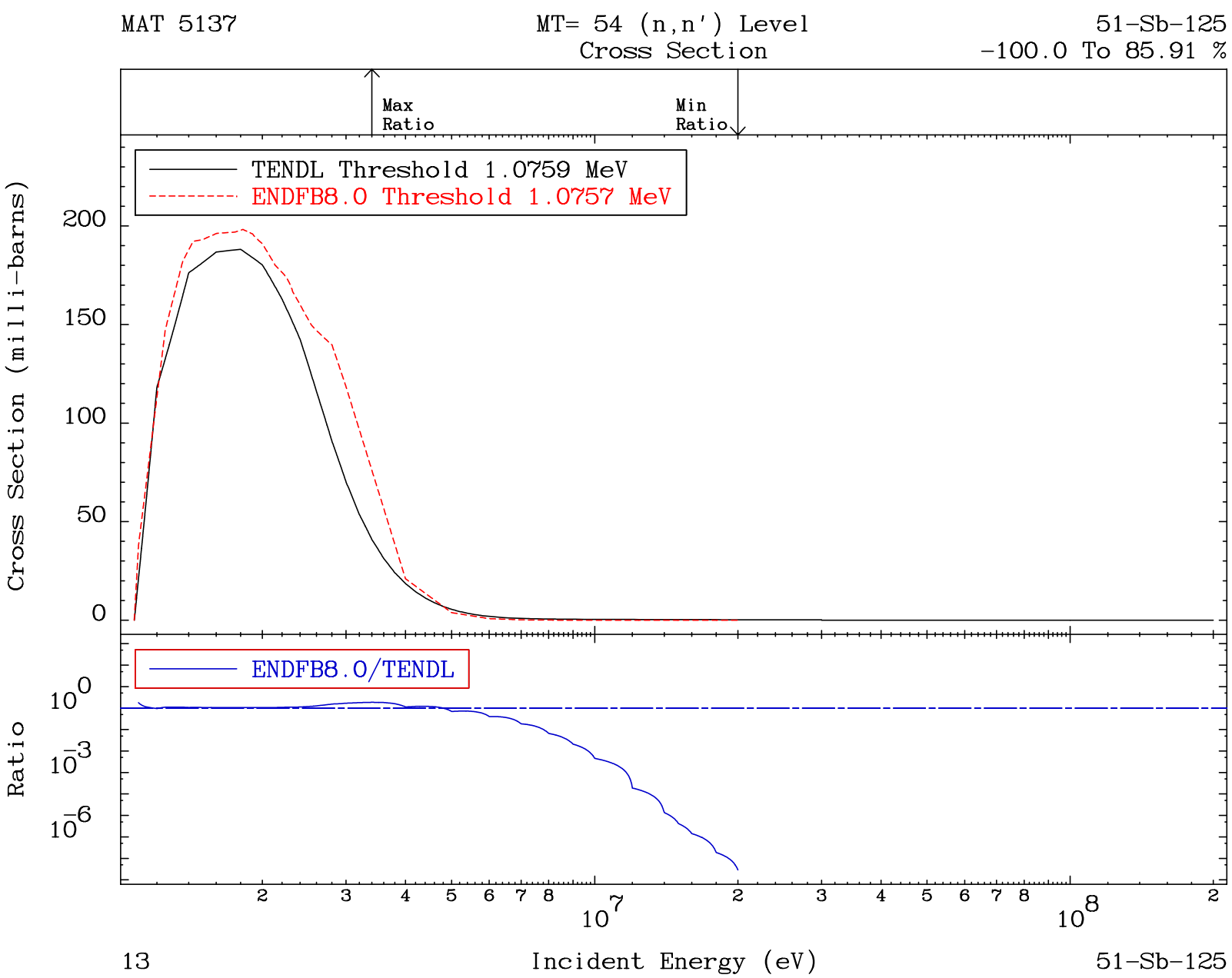

MAT 5137
(n,n') d
Cross Section
51-Sb-125
-100.0 To 767.6 %
Min Ratio
Max Ratio
TENDL Threshold 13.685 MeV
ENDFB8.0 Threshold 15.000 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
51-Sb-125

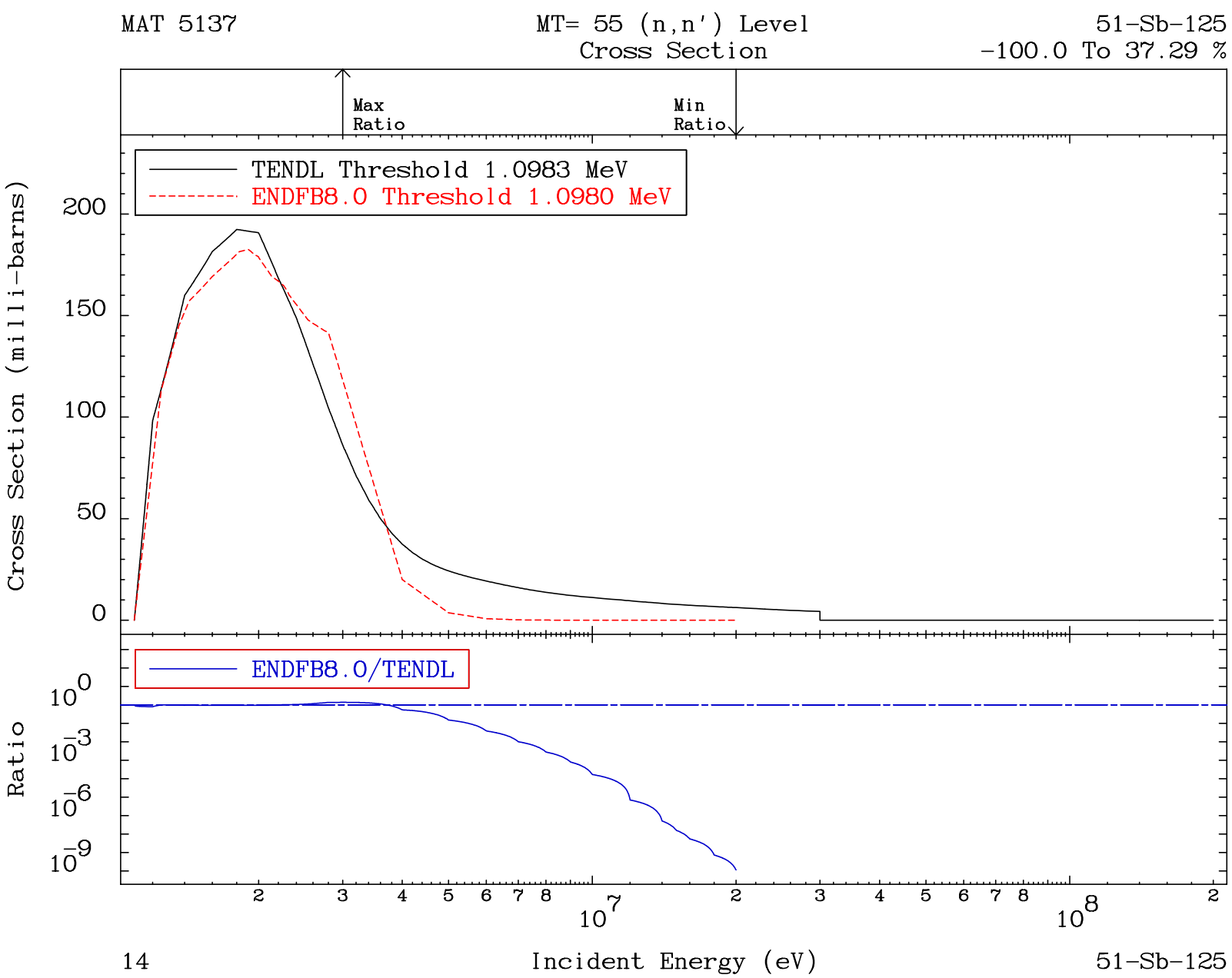

MAT 5137
(n,n') t
Cross Section
51-Sb-125
-100.0 To 1643. %
Min Ratio
Max Ratio
TENDL Threshold 13.372 MeV
ENDFB8.0 Threshold 15.000 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
9
51-Sb-125

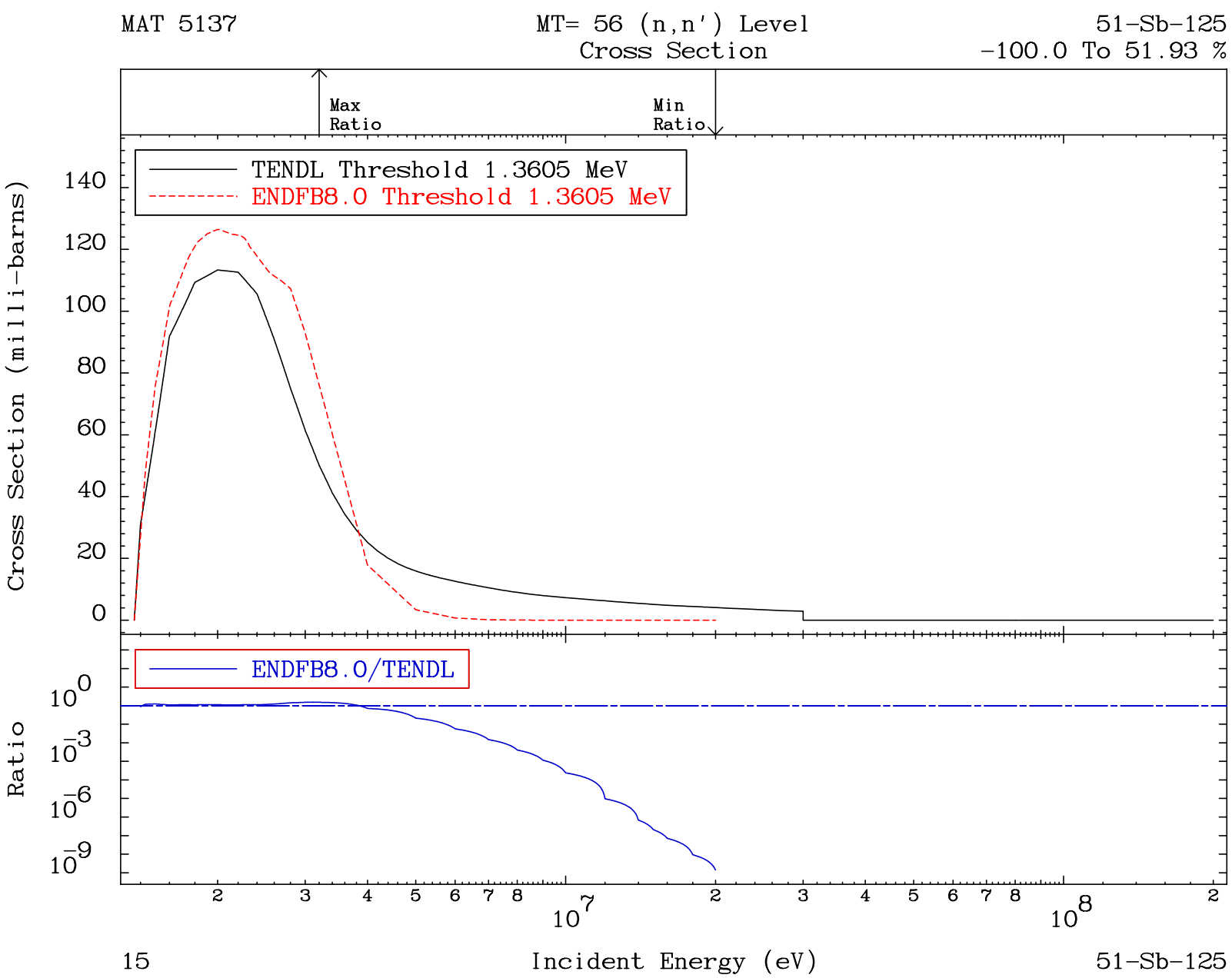

MAT 5137
MT= 51 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 101.3 %
Max Ratio
Min Ratio
TENDL Threshold 334.74 keV
ENDFB8.0 Threshold 334.78 keV
Cross Section (milli-barns)
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
51-Sb-125

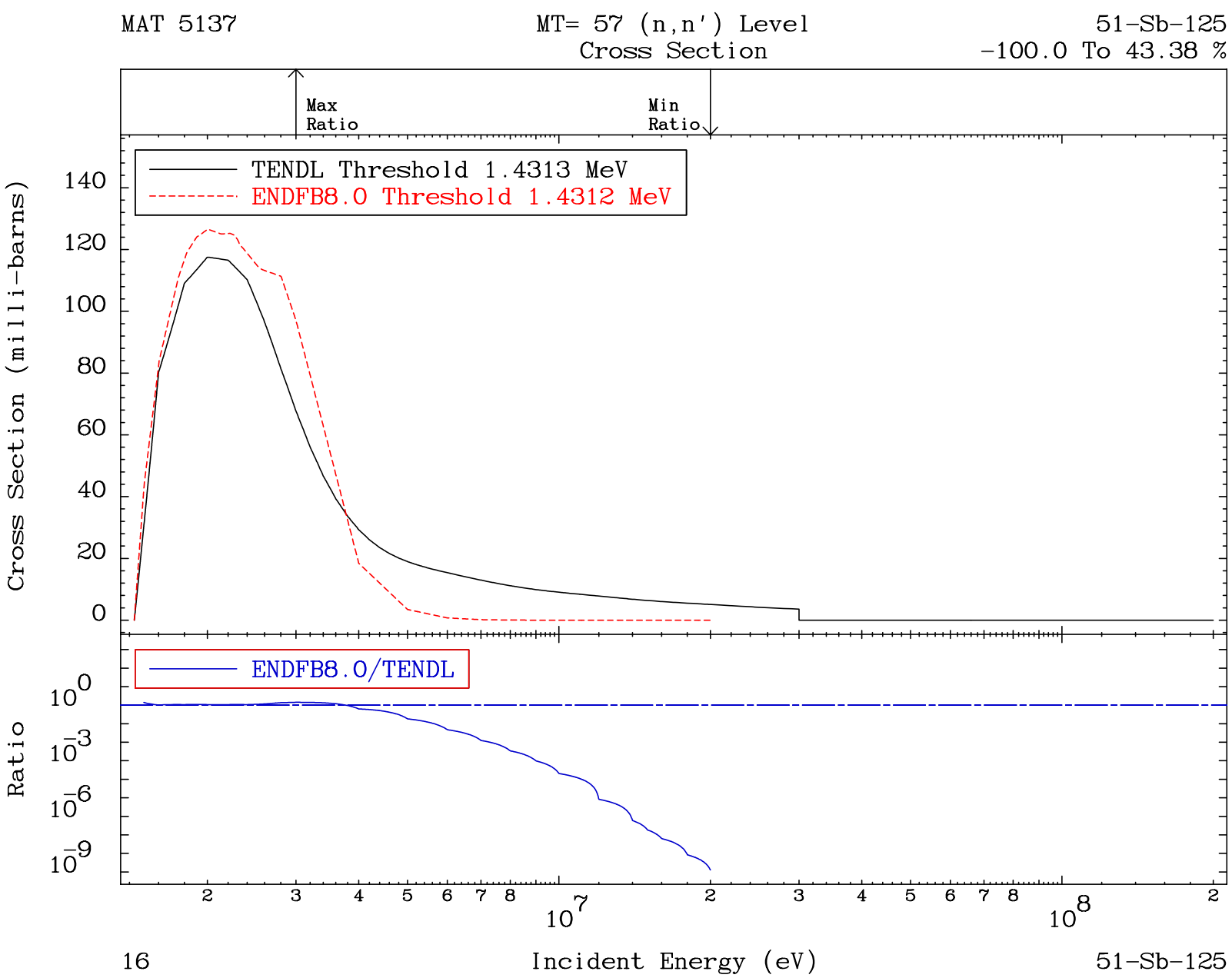

MAT 5137
MT= 52 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 33.26 %
Max
Ratio
Min
Ratio
TENDL Threshold 648.16 keV
ENDFB8.0 Threshold 648.09 keV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
51-Sb-125

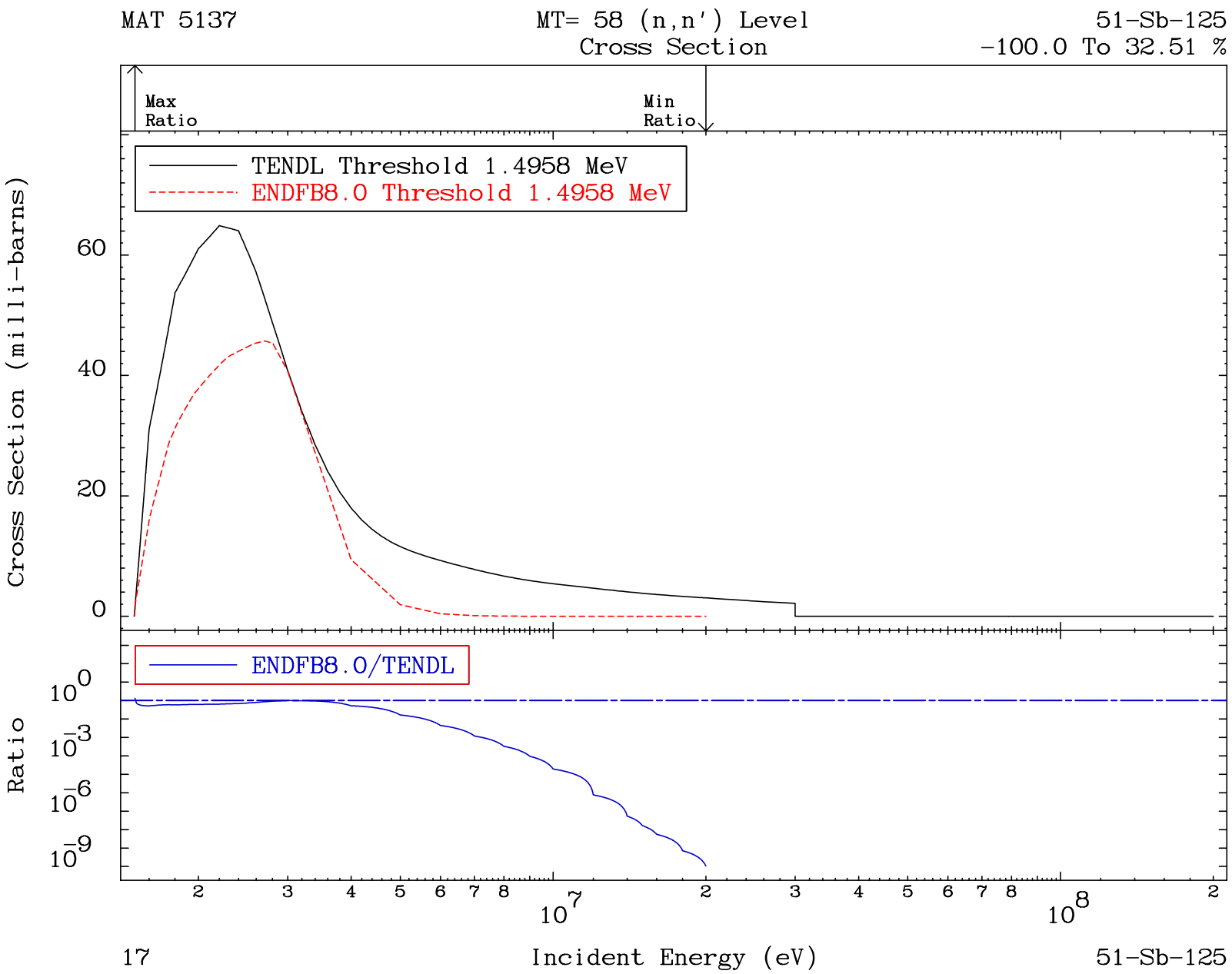

MAT 5137
MT= 53 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 105.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 929.11 keV
ENDFB8.0 Threshold 929.11 keV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
51-Sb-125

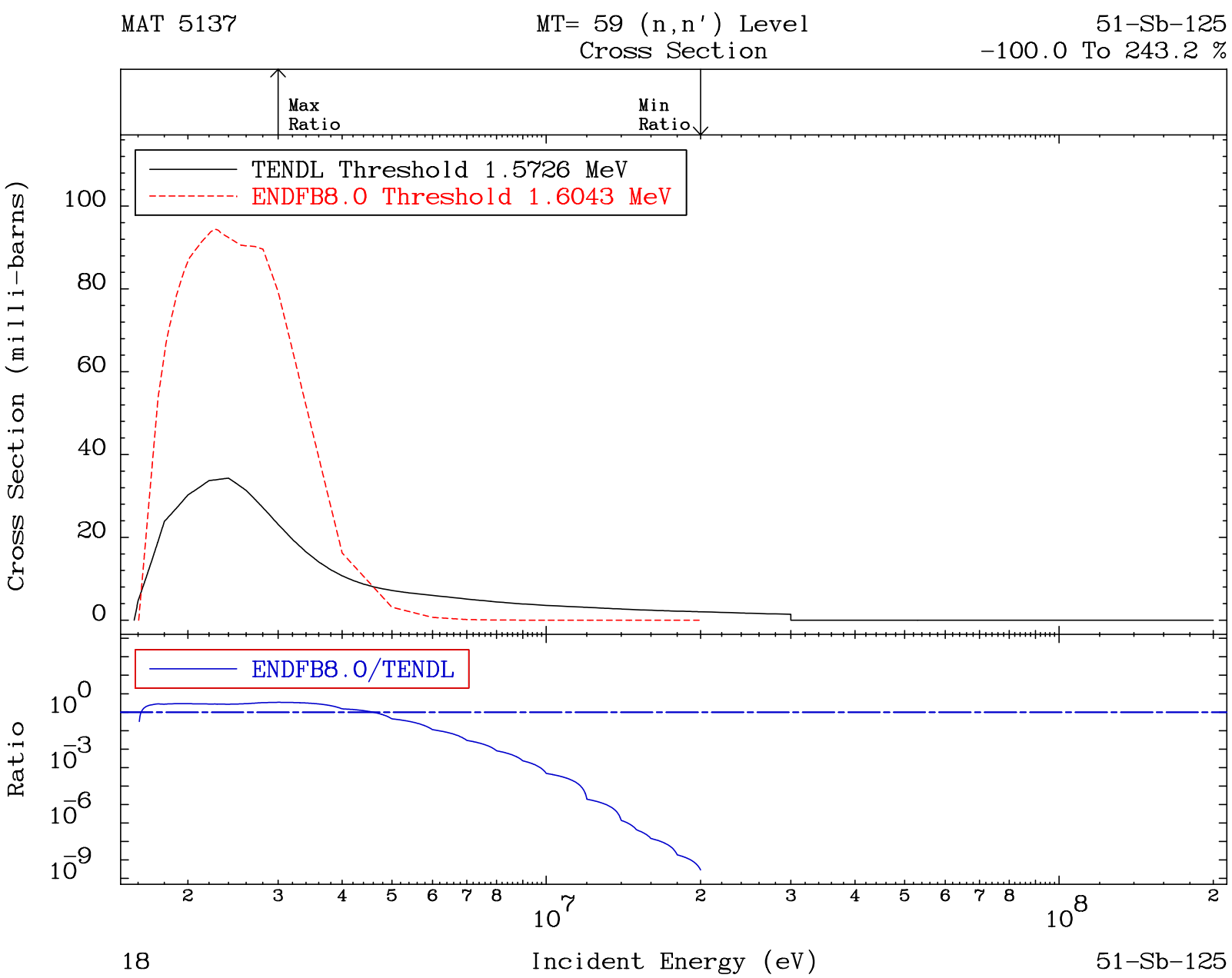

MAT 5137
MT= 54 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 85.91 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0759 MeV
ENDFB8.0 Threshold 1.0757 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
51-Sb-125

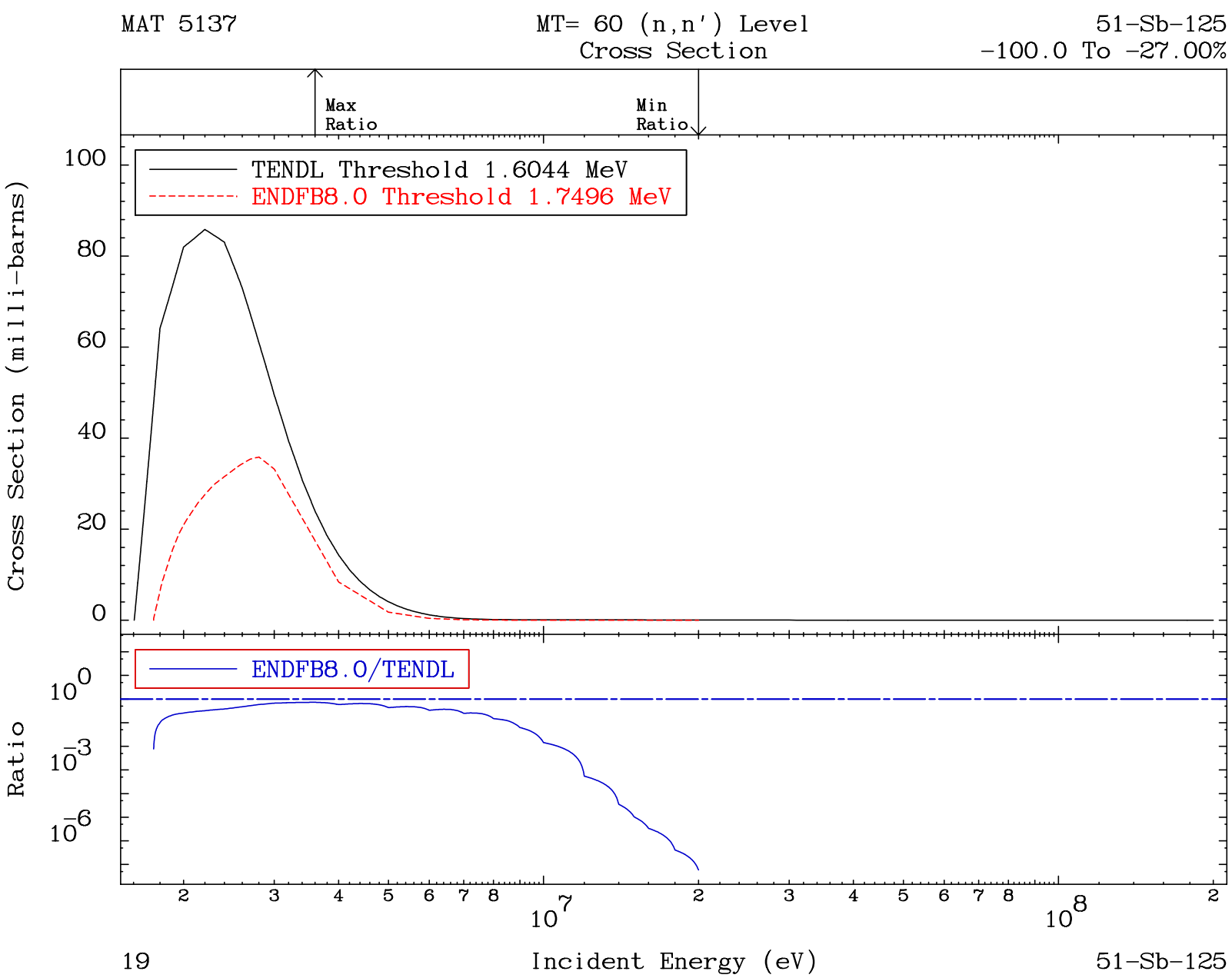

MAT 5137
MT= 55 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 37.29 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0983 MeV
ENDFB8.0 Threshold 1.0980 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
51-Sb-125

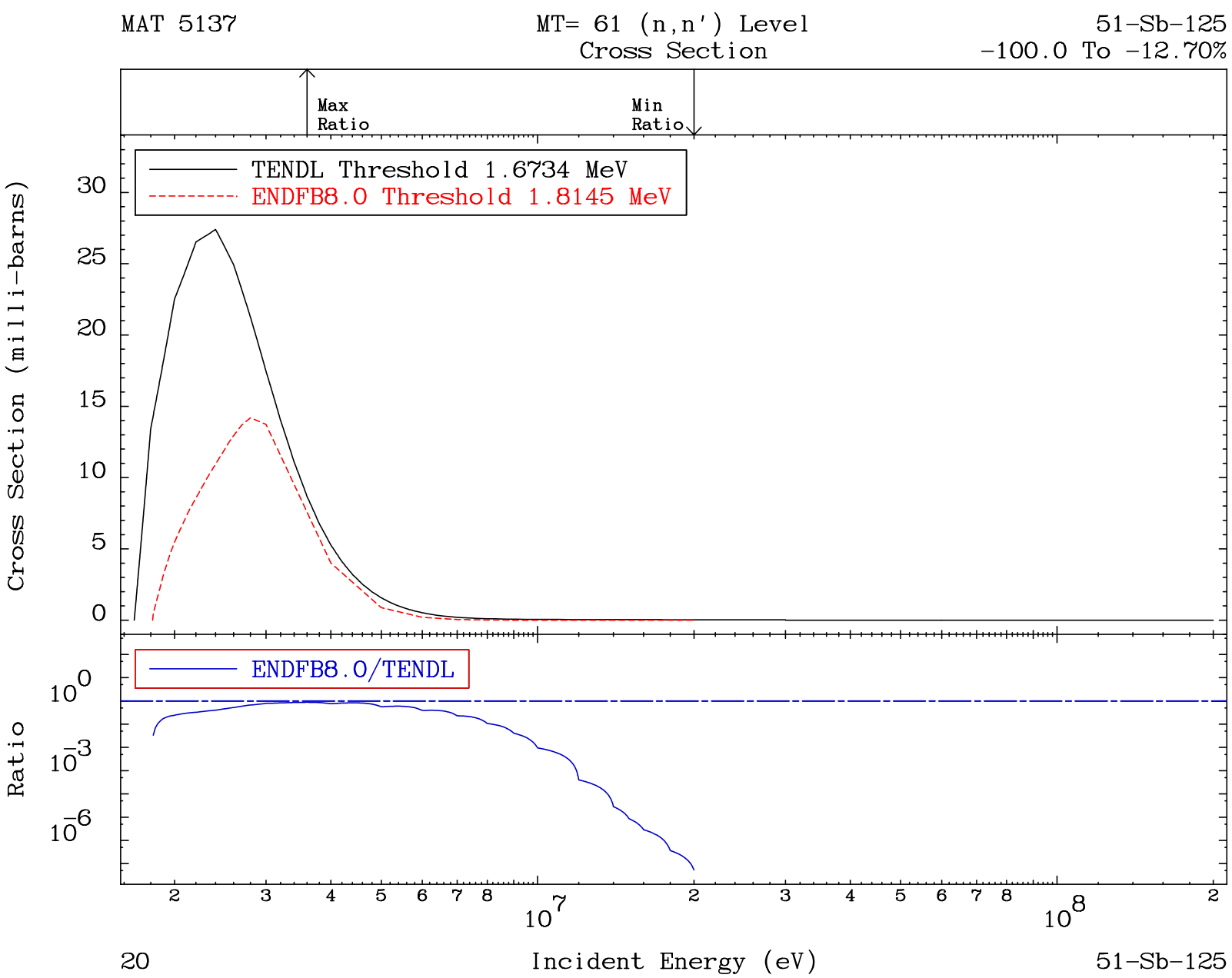

MAT 5137
MT= 56 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 51.93 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.3605 MeV
ENDFB8.0 Threshold 1.3605 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
51-Sb-125

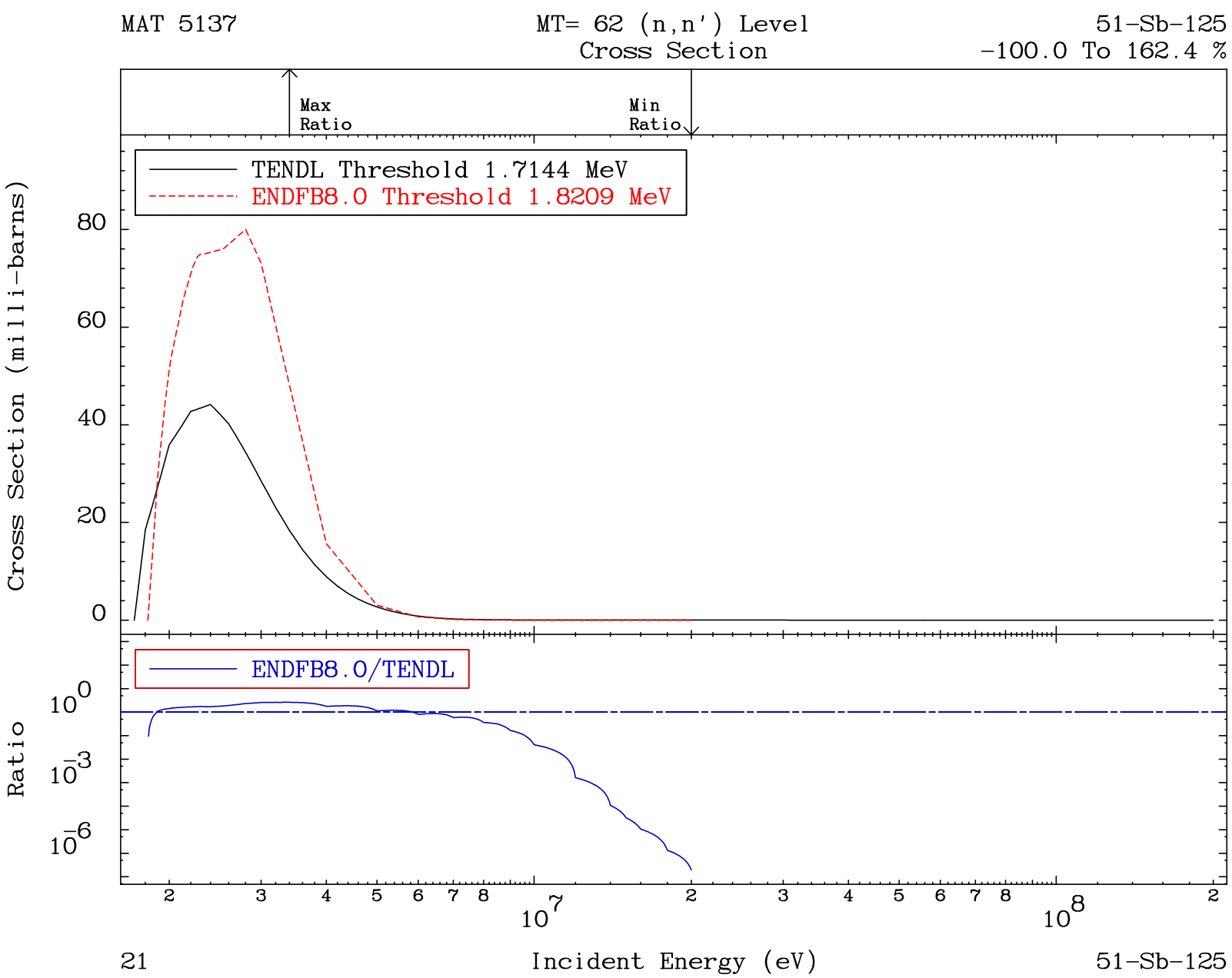

MAT 5137
MT= 57 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 43.38 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.4313 MeV
ENDFB8.0 Threshold 1.4312 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
51-Sb-125

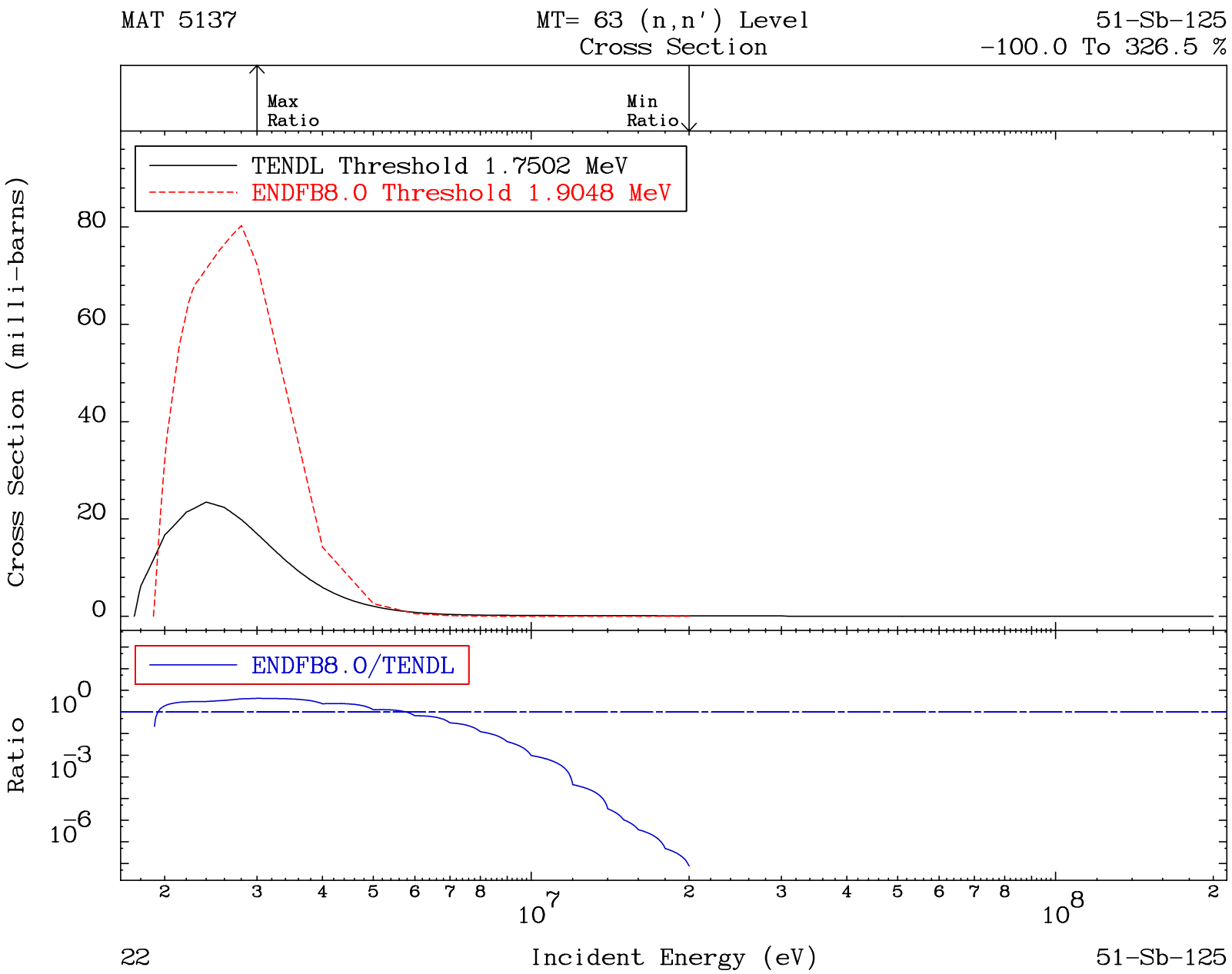

MAT 5137
MT= 58 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 32.51 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.4958 MeV
ENDFB8.0 Threshold 1.4958 MeV
Cross Section (milli-barns)
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
51-Sb-125

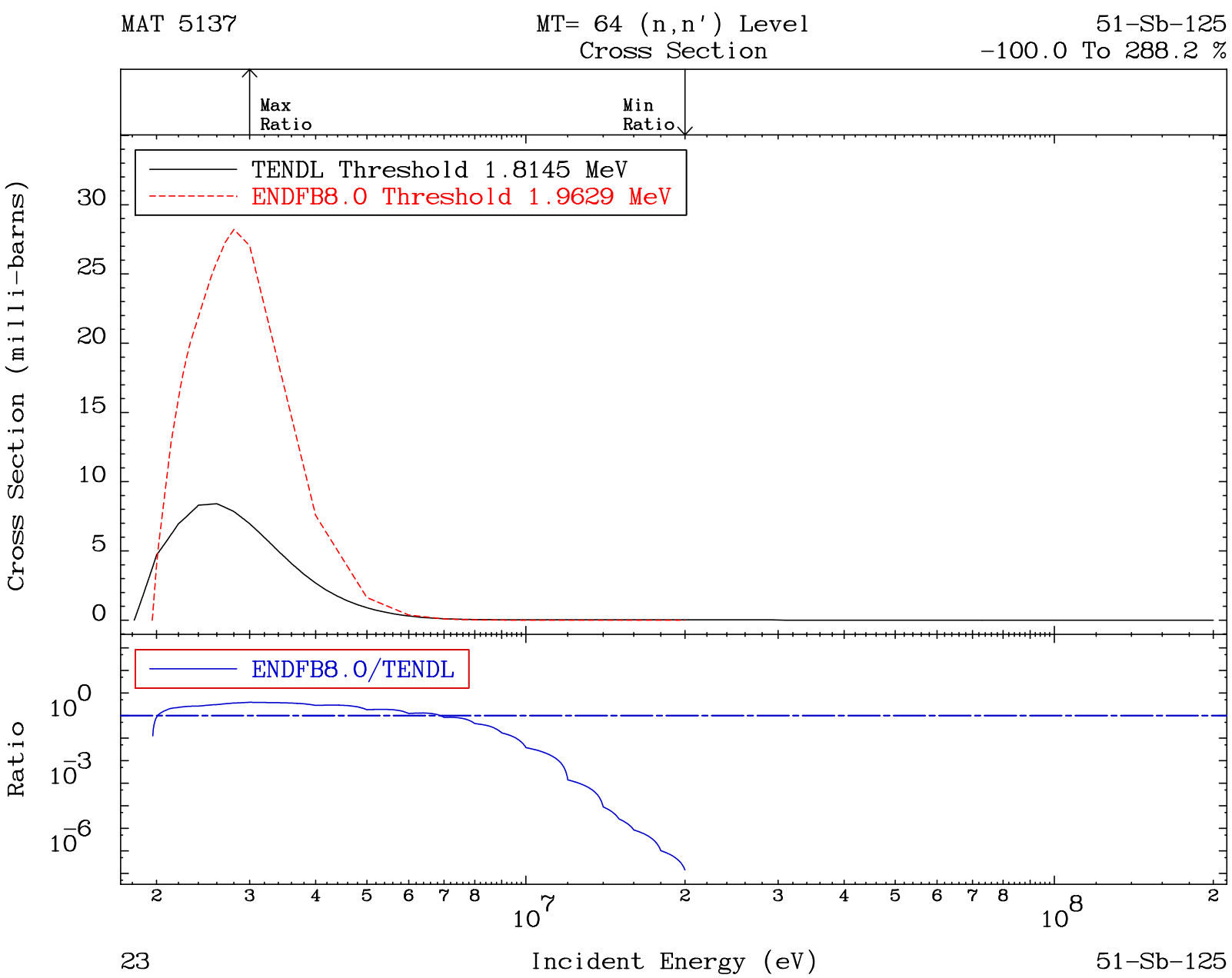

MAT 5137
MT= 59 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 243.2 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.5726 MeV
ENDFB8.0 Threshold 1.6043 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
51-Sb-125

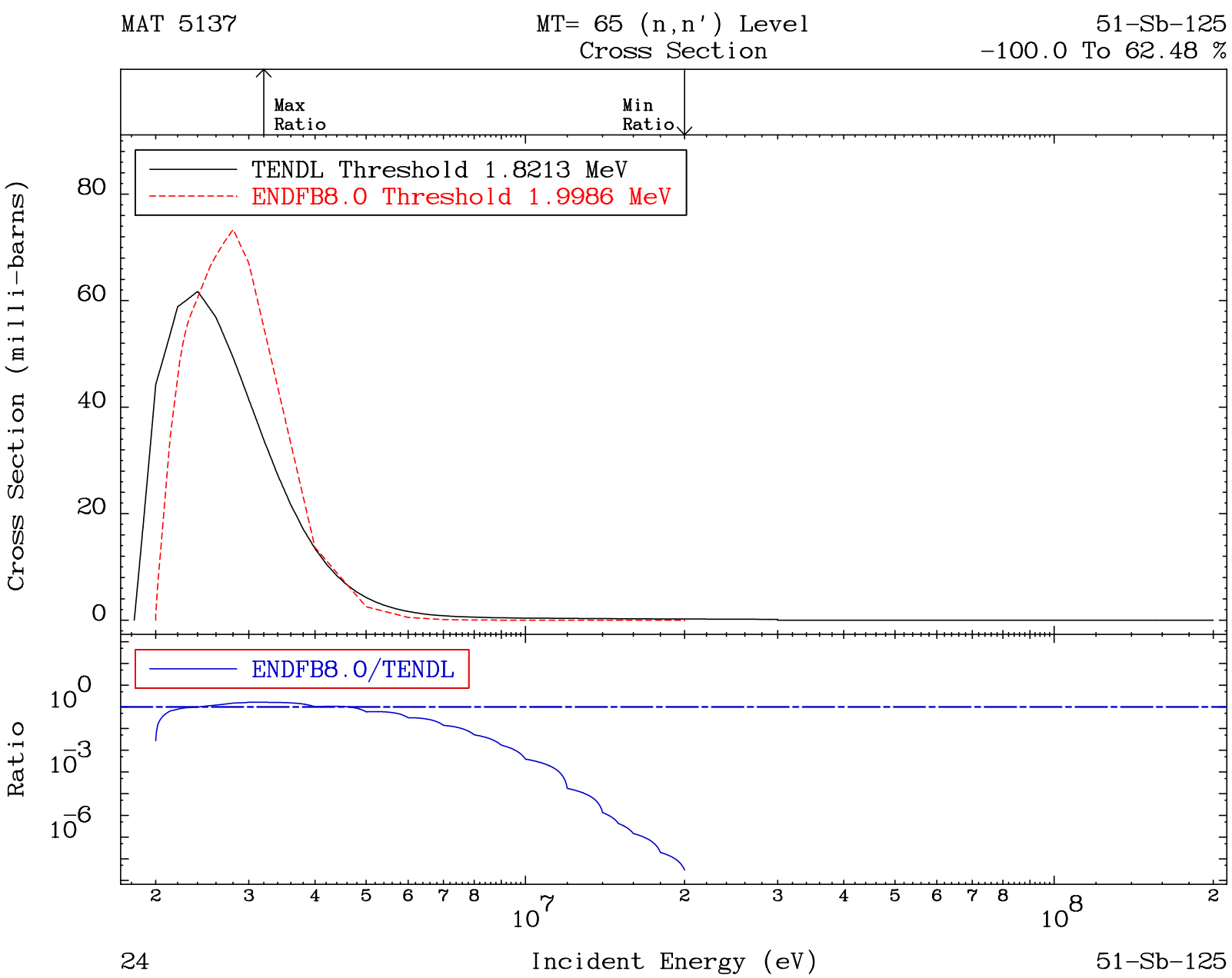

MAT 5137
MT= 60 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -27.00%
Max
Ratio
Min
Ratio
TENDL Threshold 1.6044 MeV
ENDFB8.0 Threshold 1.7496 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
51-Sb-125

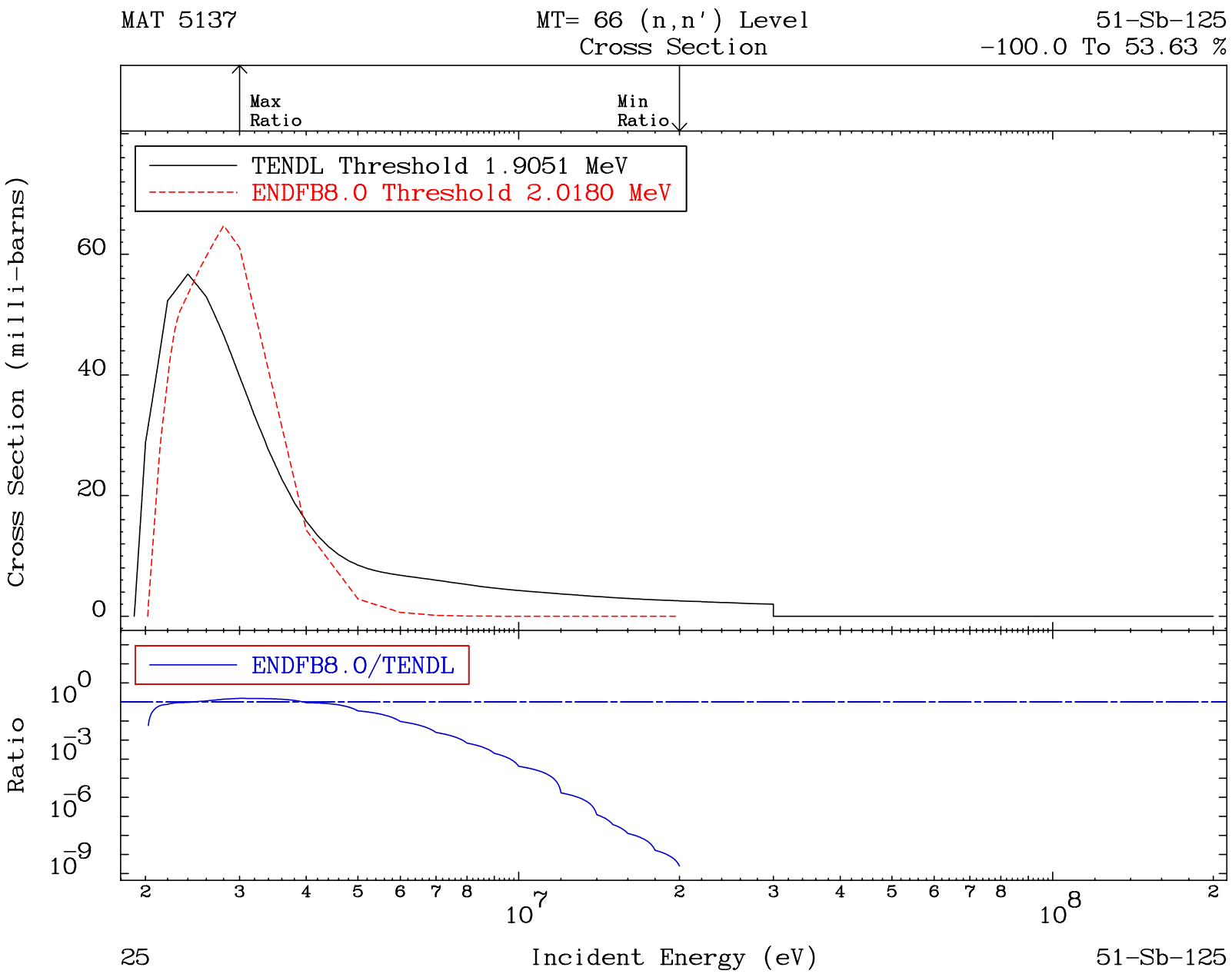

MAT 5137
MT= 61 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -12.70%
Max
Ratio
Min
Ratio
TENDL Threshold 1.6734 MeV
ENDFB8.0 Threshold 1.8145 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
51-Sb-125

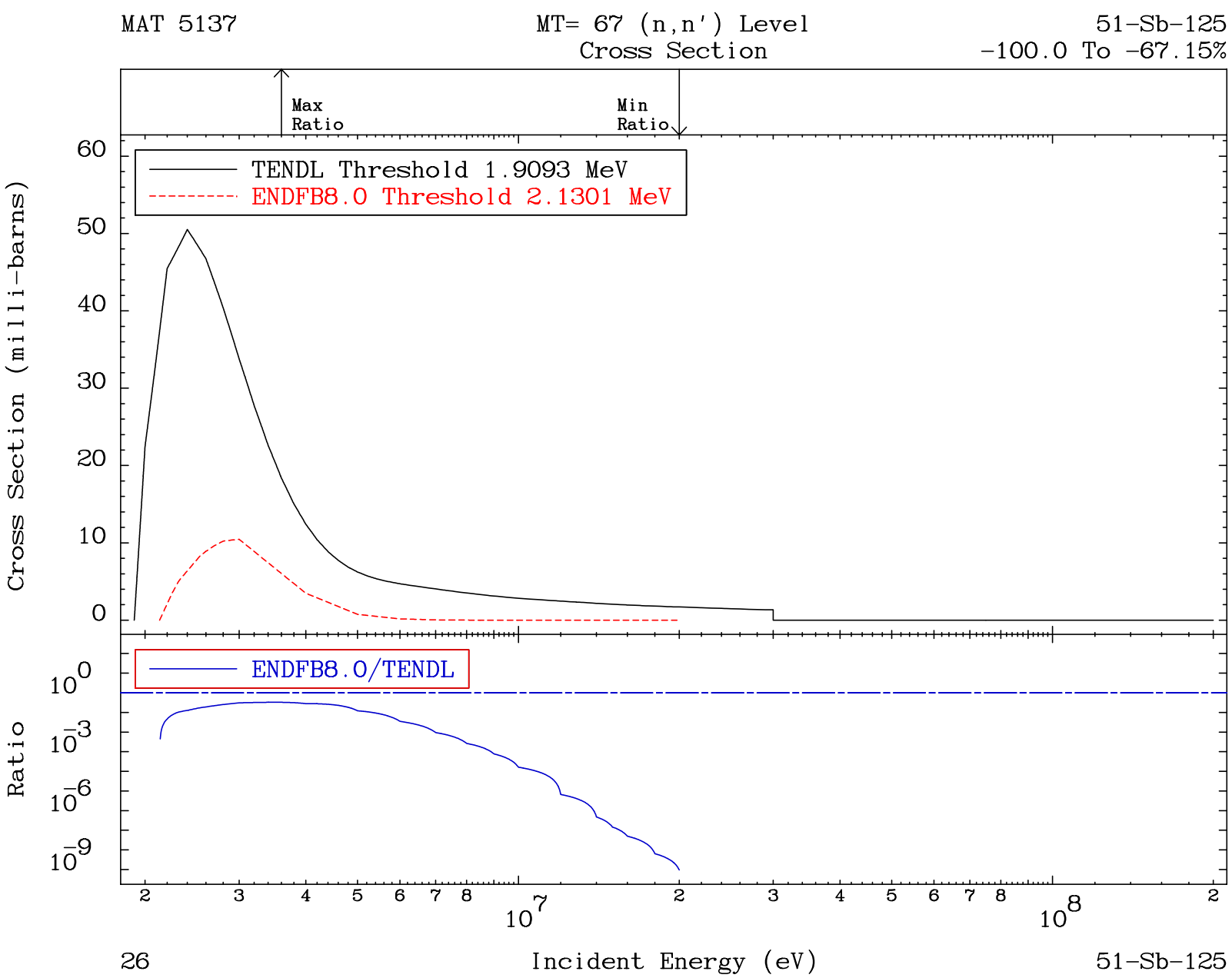

MAT 5137
MT= 62 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 162.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7144 MeV
ENDFB8.0 Threshold 1.8209 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
51-Sb-125

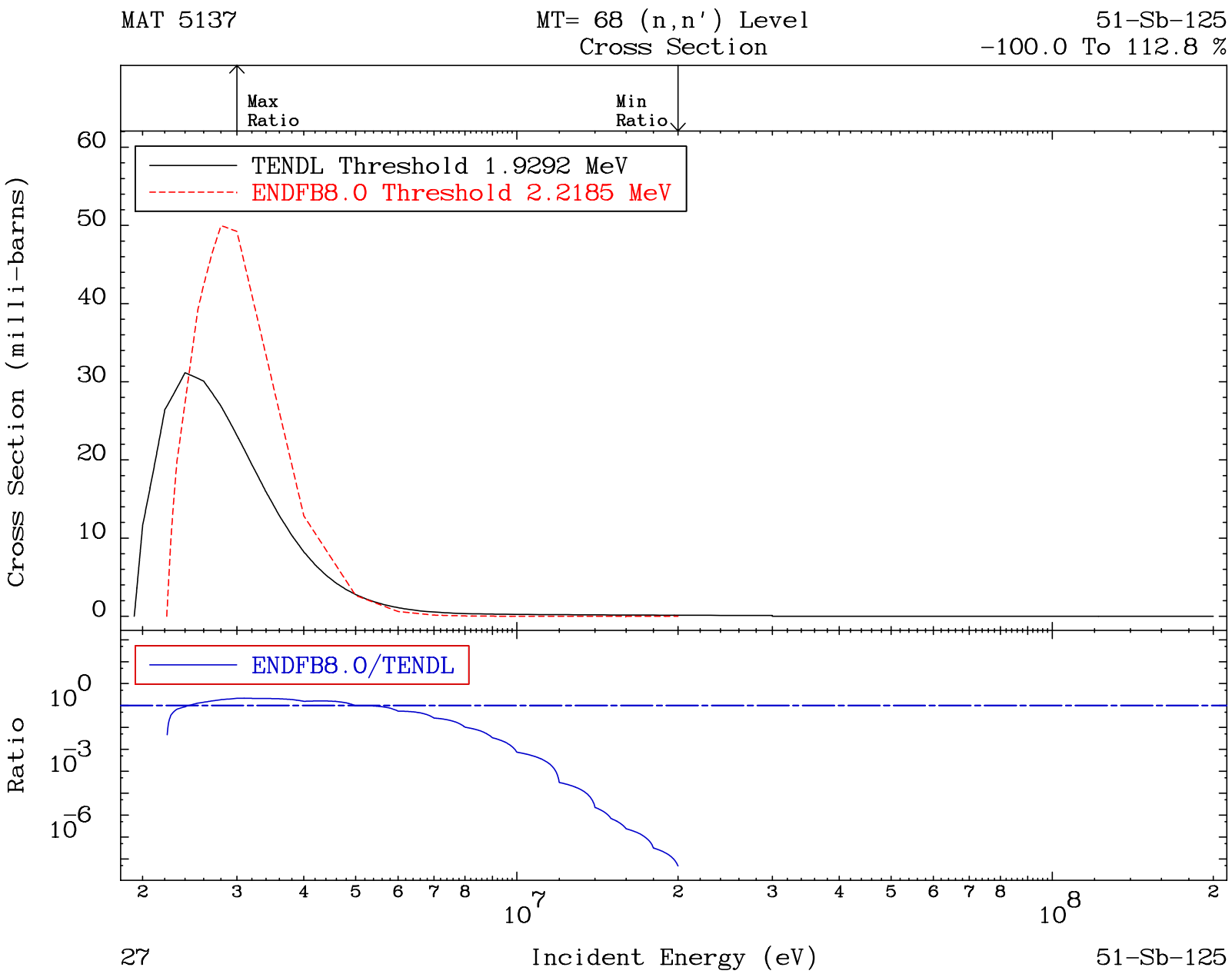

MAT 5137
MT= 63 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 326.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7502 MeV
ENDFB8.0 Threshold 1.9048 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
51-Sb-125

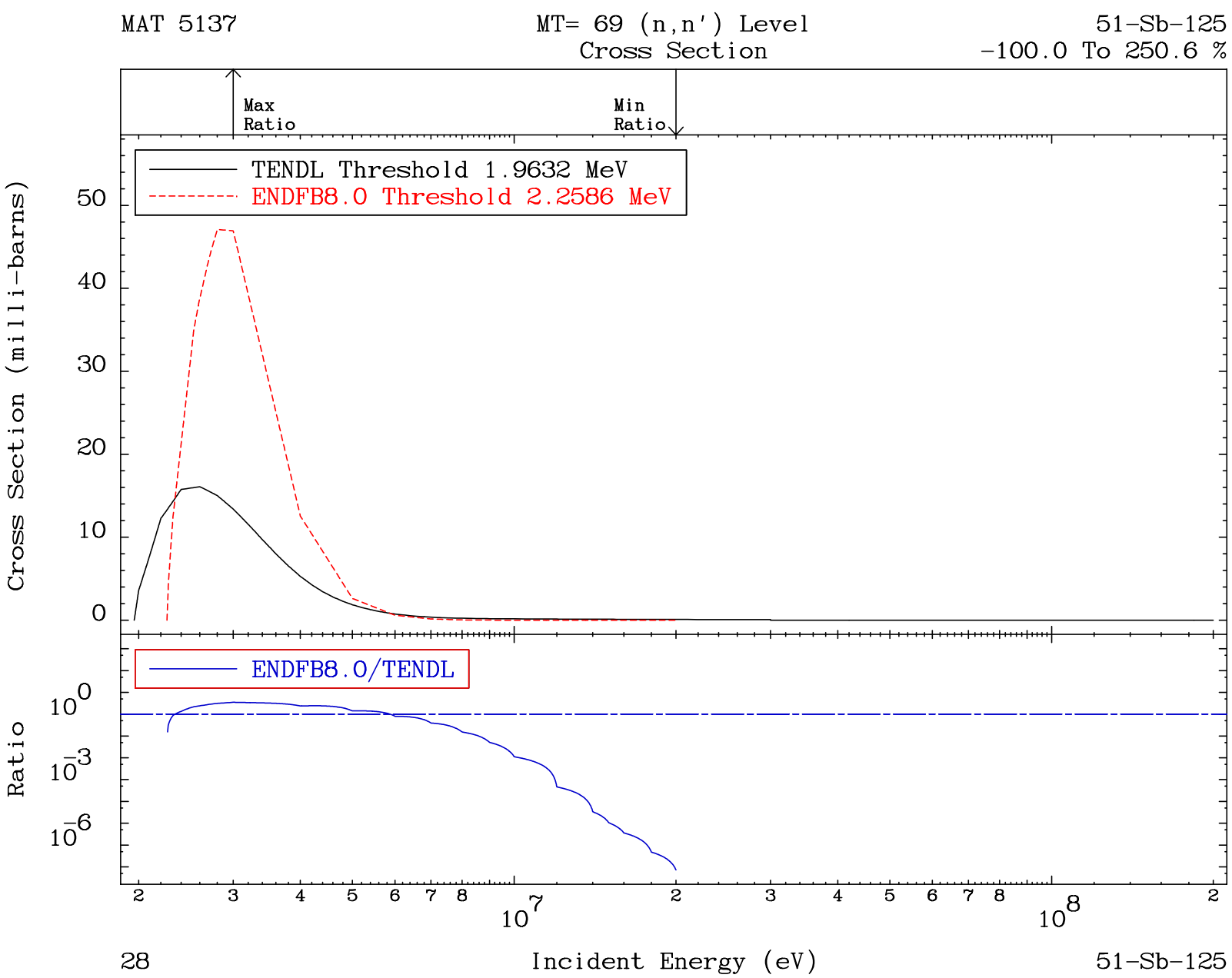

MAT 5137
MT= 64 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 288.2 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8145 MeV
ENDFB8.0 Threshold 1.9629 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
51-Sb-125

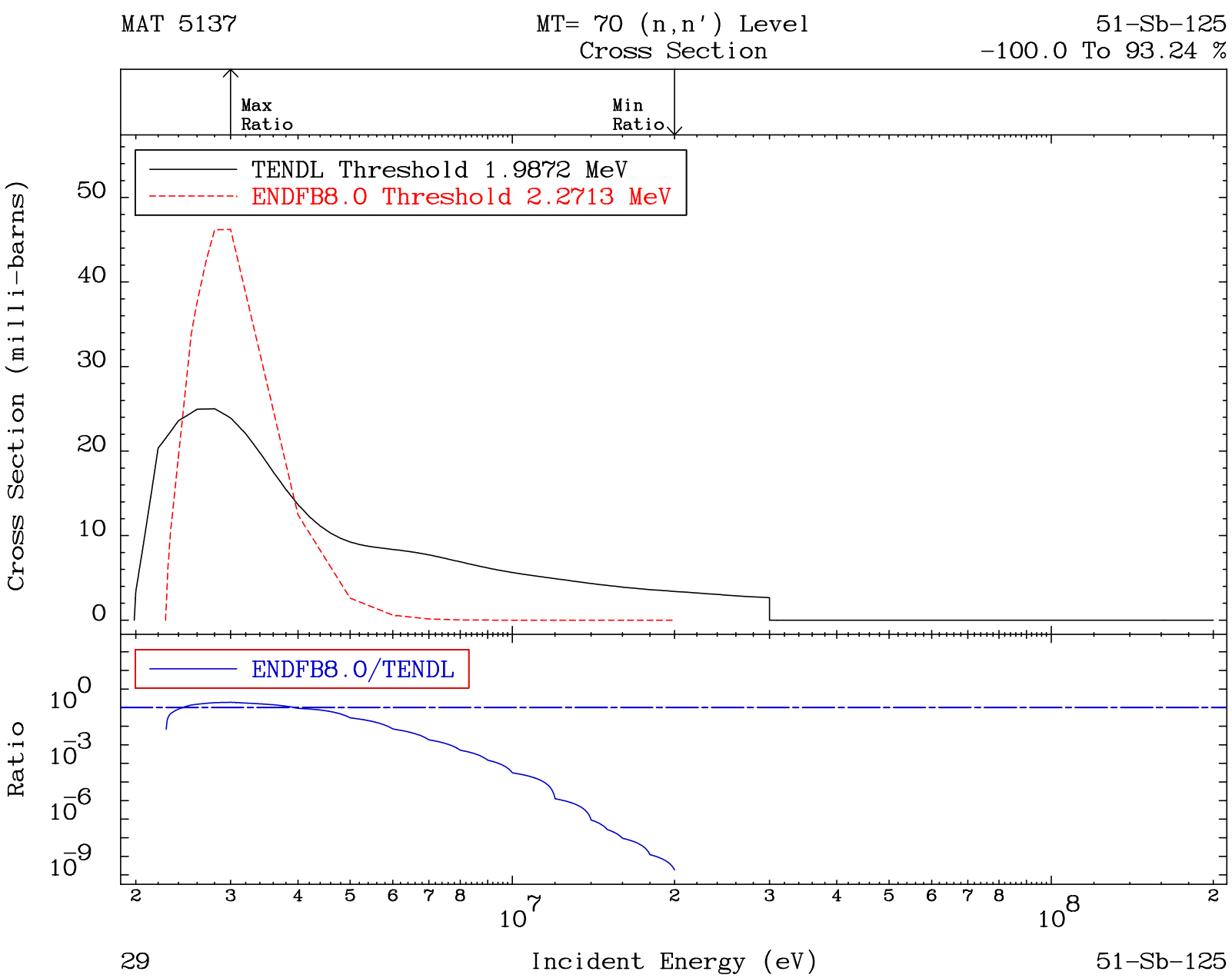

MAT 5137
MT= 65 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 62.48 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8213 MeV
ENDFB8.0 Threshold 1.9986 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
51-Sb-125

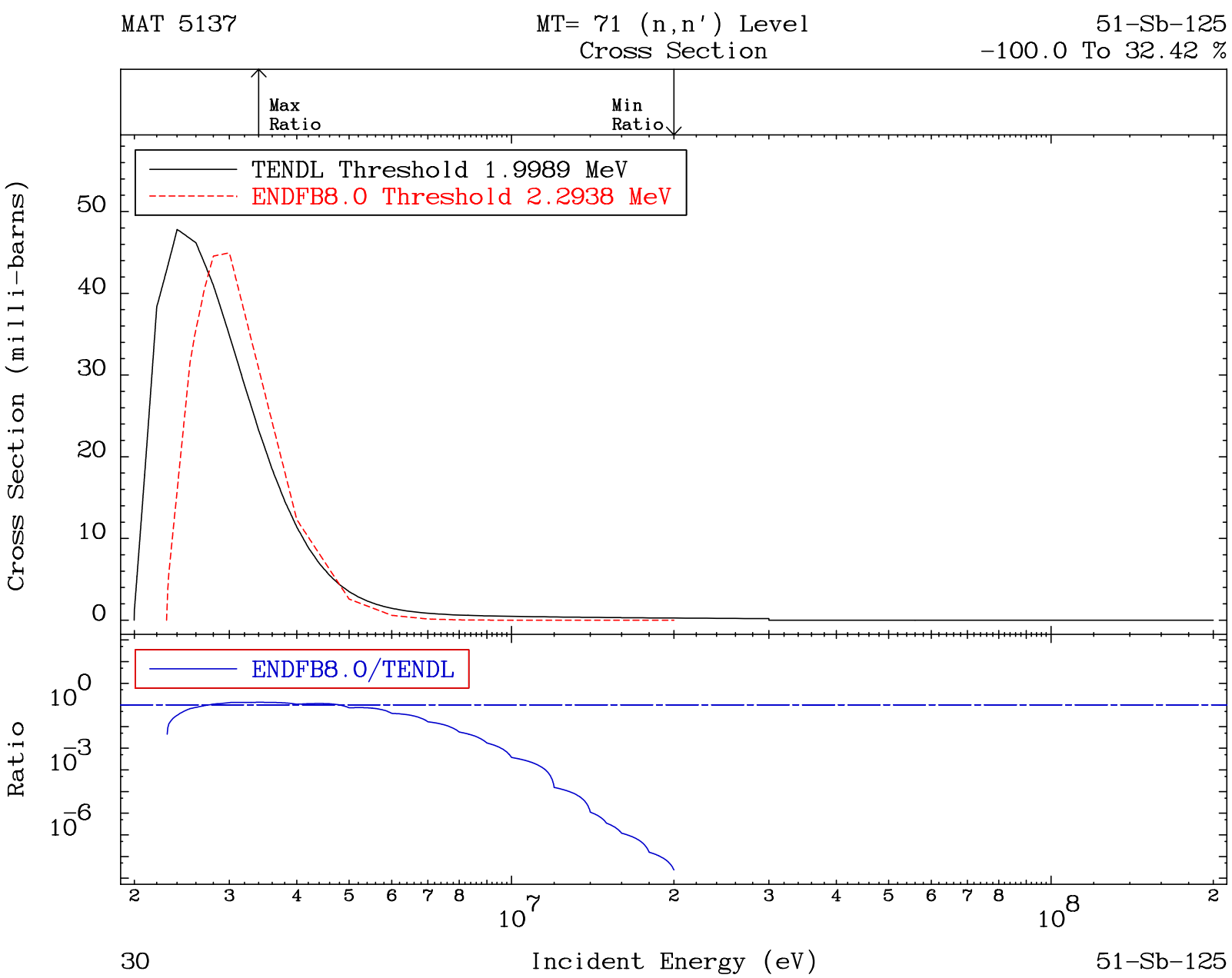

MAT 5137
MT= 66 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 53.63 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9051 MeV
ENDFB8.0 Threshold 2.0180 MeV
Cross Section (milli-barns)
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
51-Sb-125

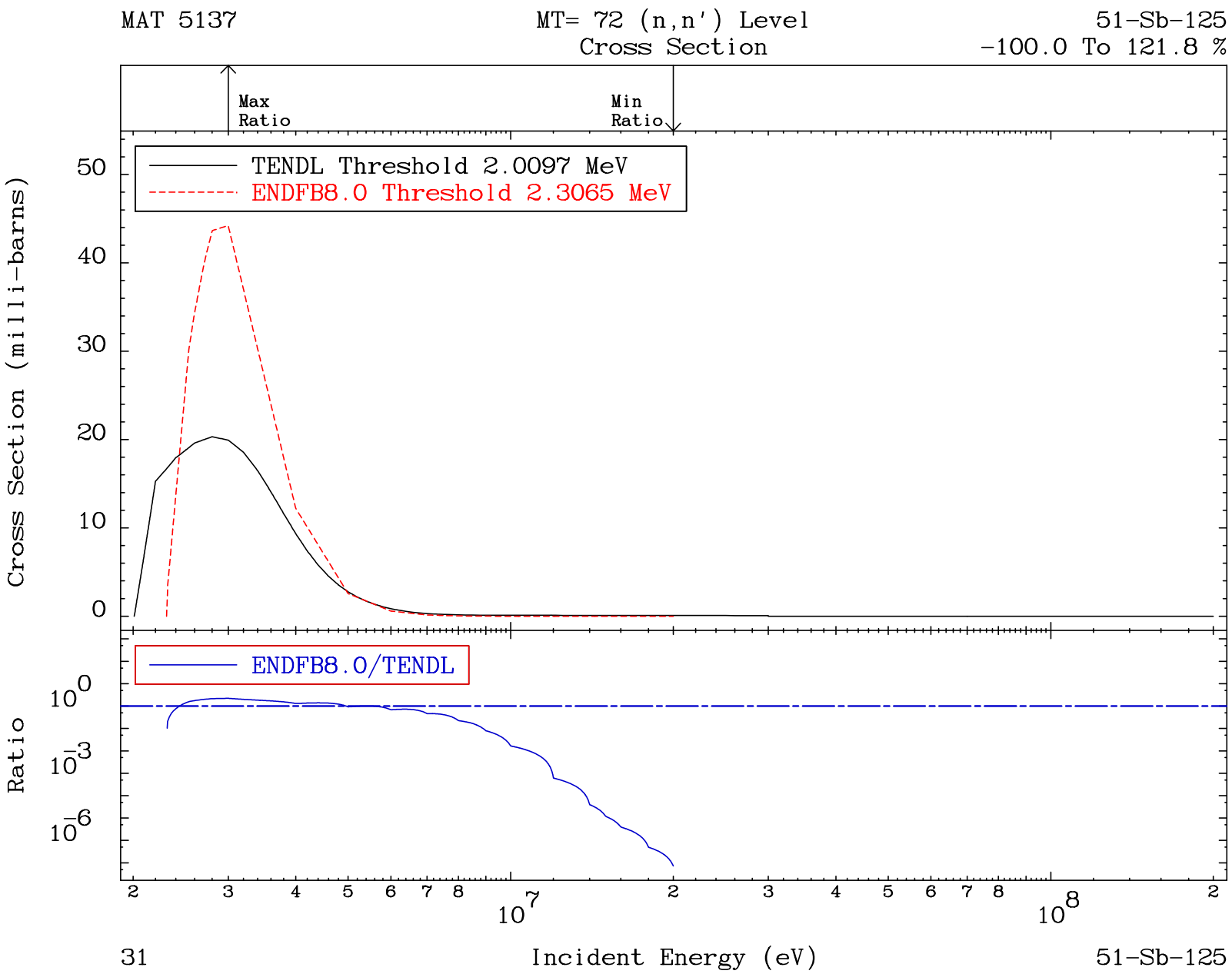

MAT 5137
MT= 67 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -67.15%
Max
Ratio
Min
Ratio
TENDL Threshold 1.9093 MeV
ENDFB8.0 Threshold 2.1301 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
51-Sb-125

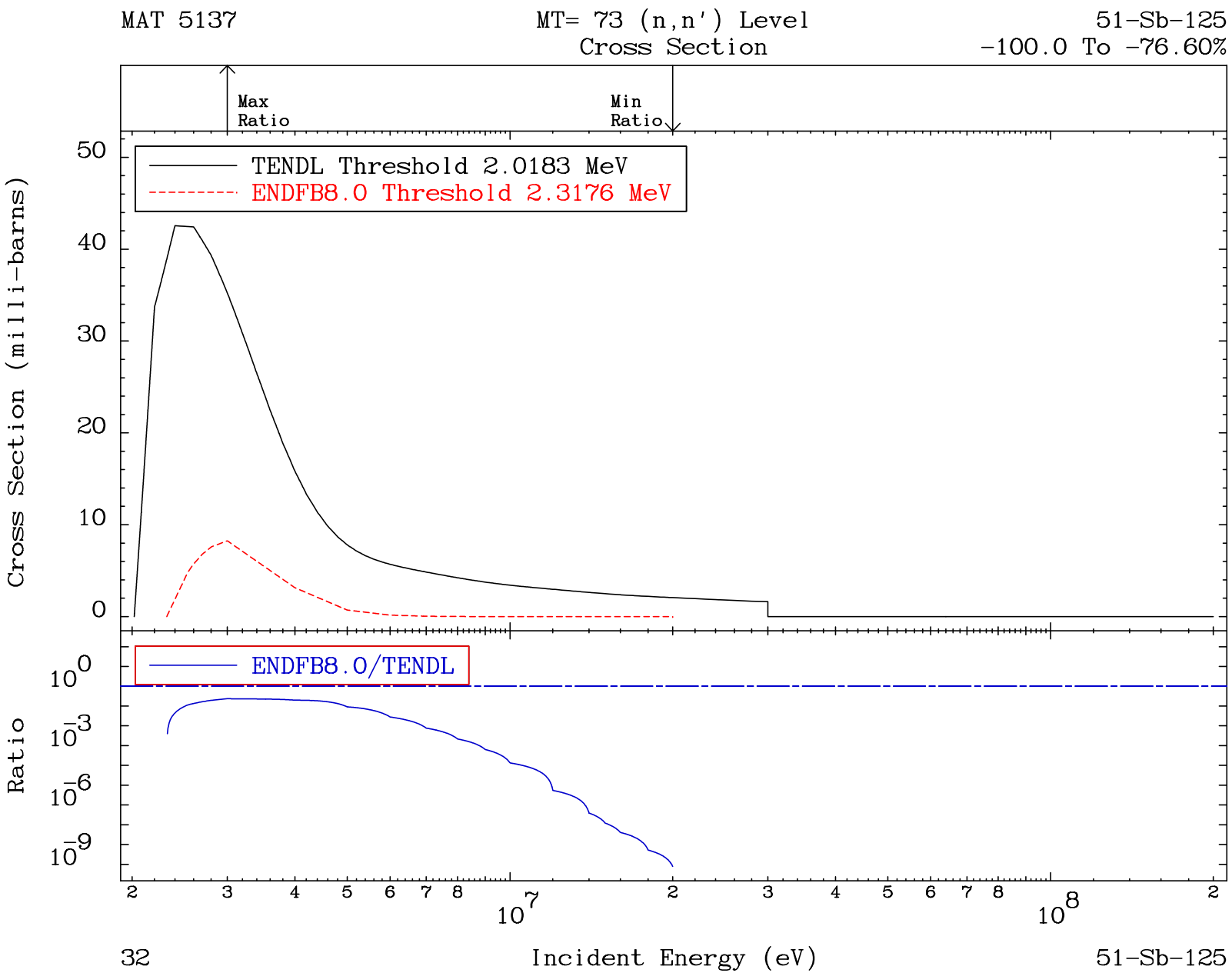

MAT 5137
MT= 68 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 112.8 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9292 MeV
ENDFB8.0 Threshold 2.2185 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
51-Sb-125

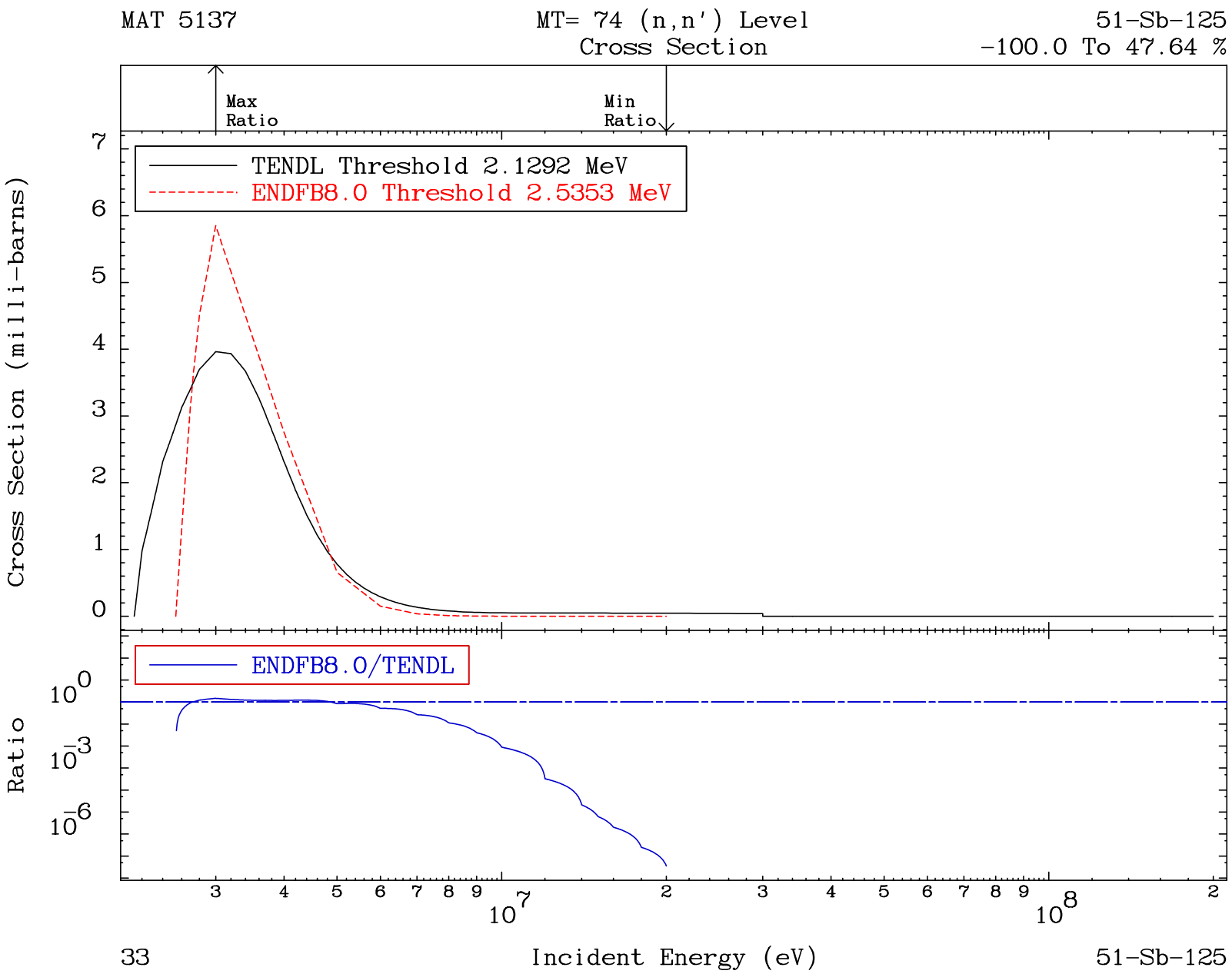

MAT 5137
MT= 69 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 250.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9632 MeV
ENDFB8.0 Threshold 2.2586 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
51-Sb-125

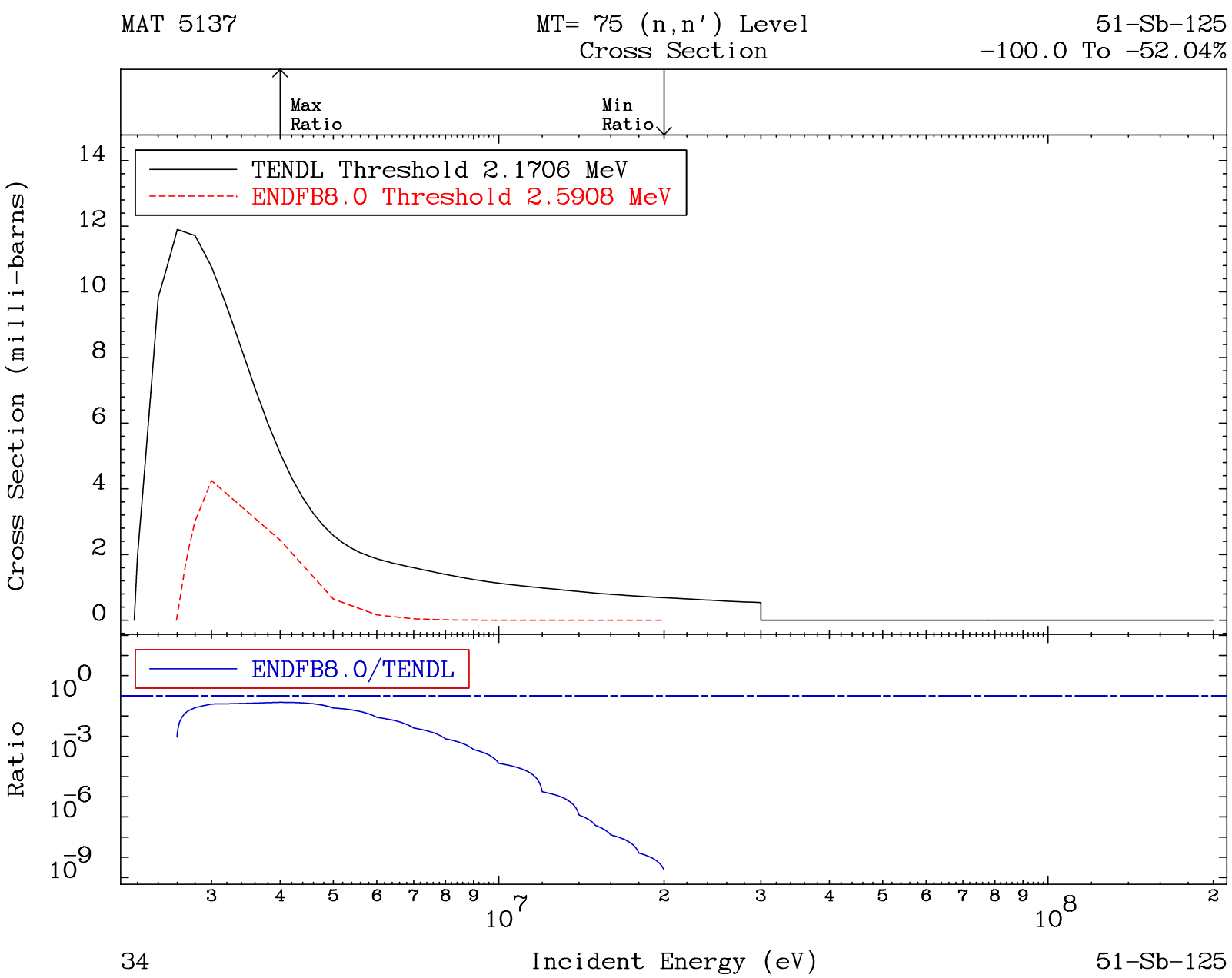

MAT 5137
MT= 70 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 93.24 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9872 MeV
ENDFB8.0 Threshold 2.2713 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
51-Sb-125

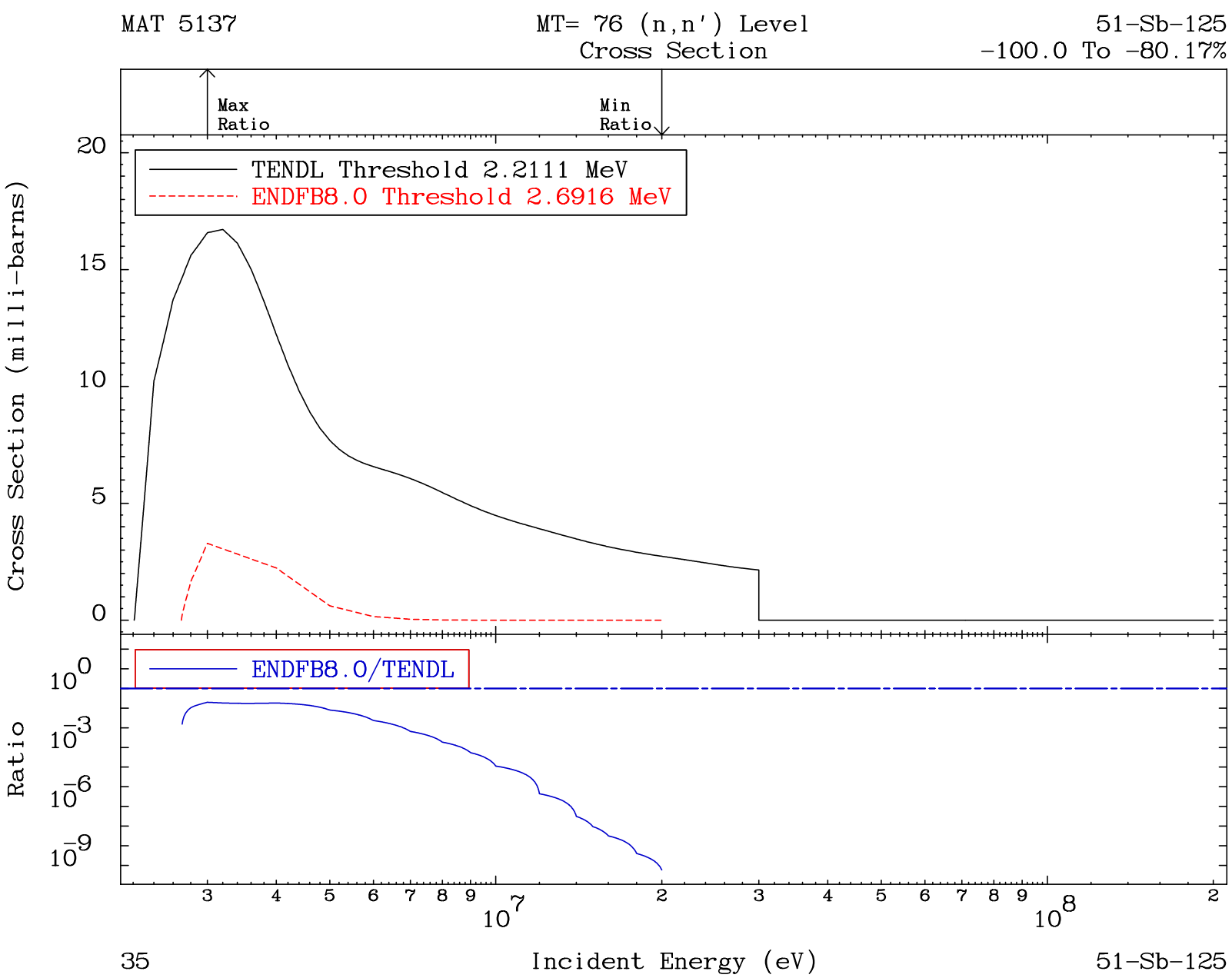

MAT 5137
MT= 71 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 32.42 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9989 MeV
ENDFB8.0 Threshold 2.2938 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
51-Sb-125

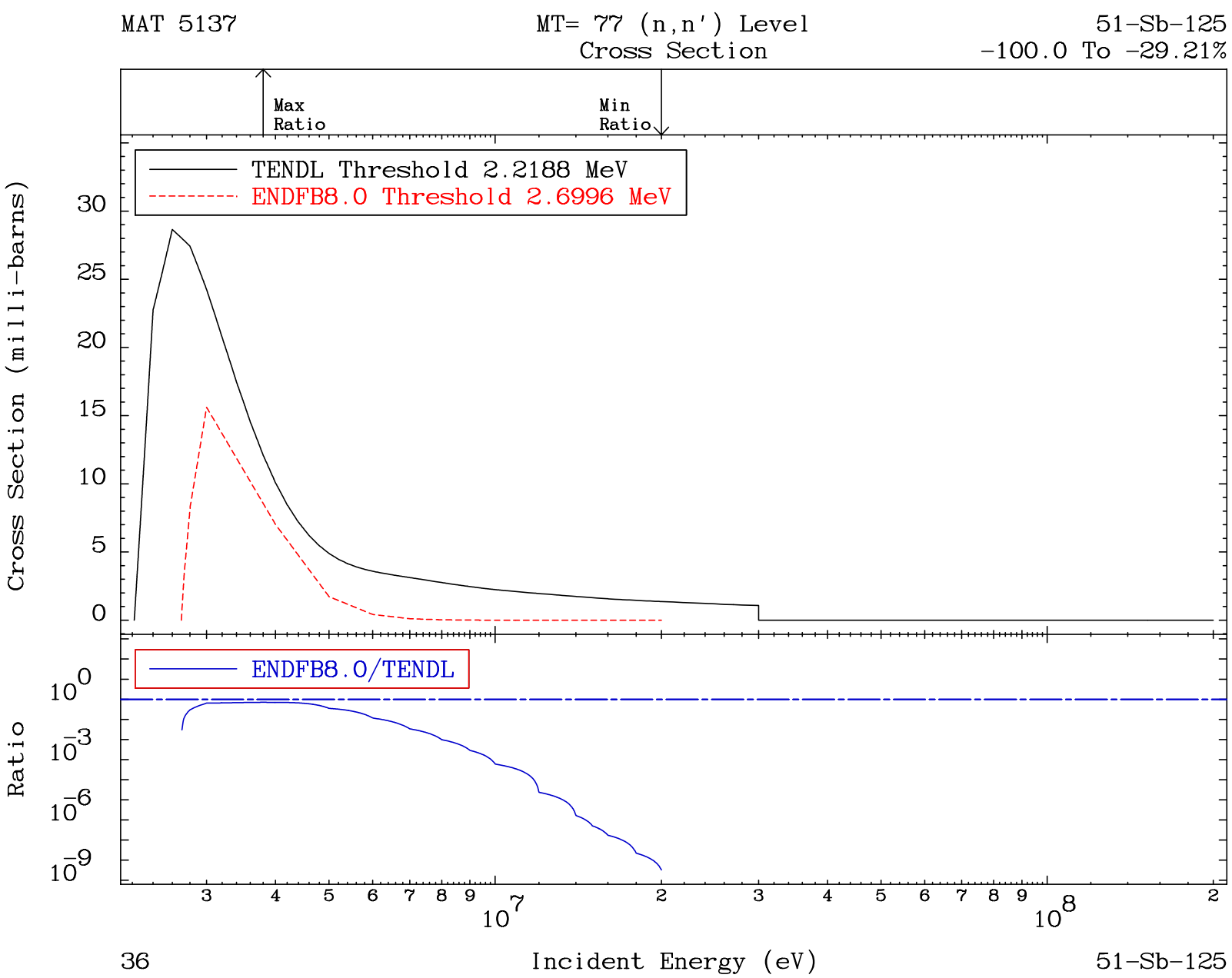

MAT 5137
MT= 72 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 121.8 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.0097 MeV
ENDFB8.0 Threshold 2.3065 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
51-Sb-125

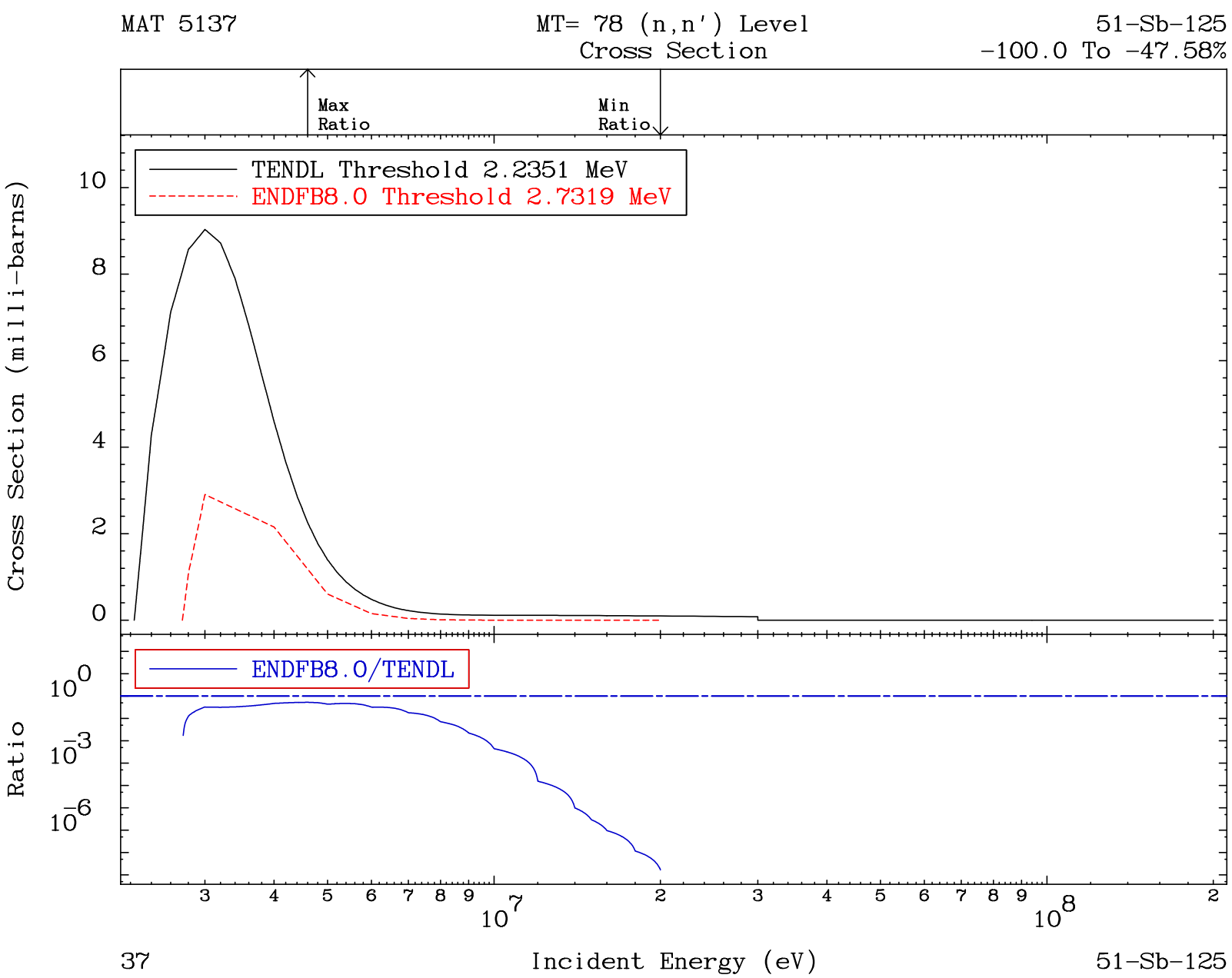

MAT 5137
MT= 73 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -76.60%
Max
Ratio
Min
Ratio
TENDL Threshold 2.0183 MeV
ENDFB8.0 Threshold 2.3176 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
51-Sb-125

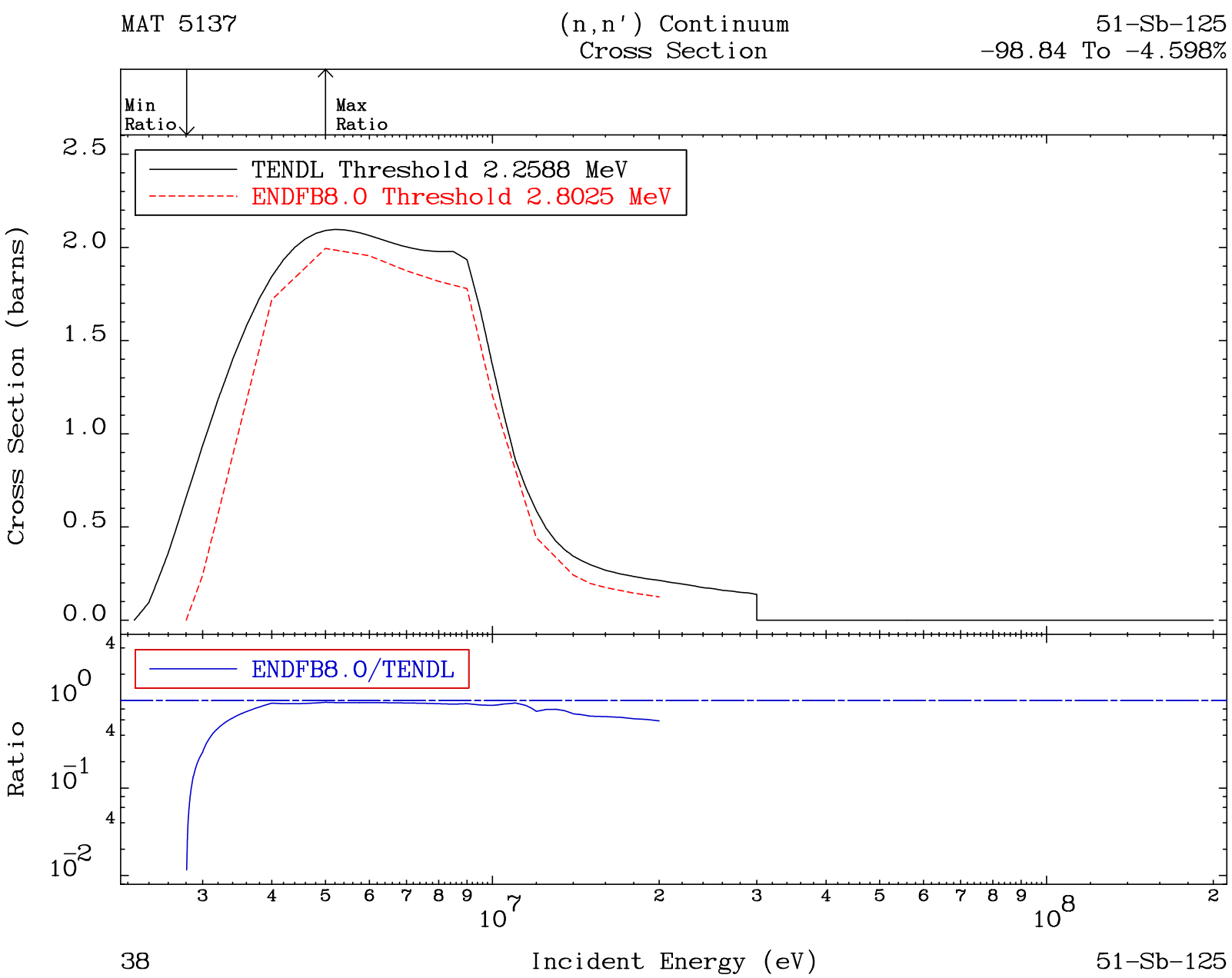

MAT 5137
MT= 74 (n,n') Level
Cross Section
51-Sb-125
-100.0 To 47.64 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1292 MeV
ENDFB8.0 Threshold 2.5353 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
33
51-Sb-125

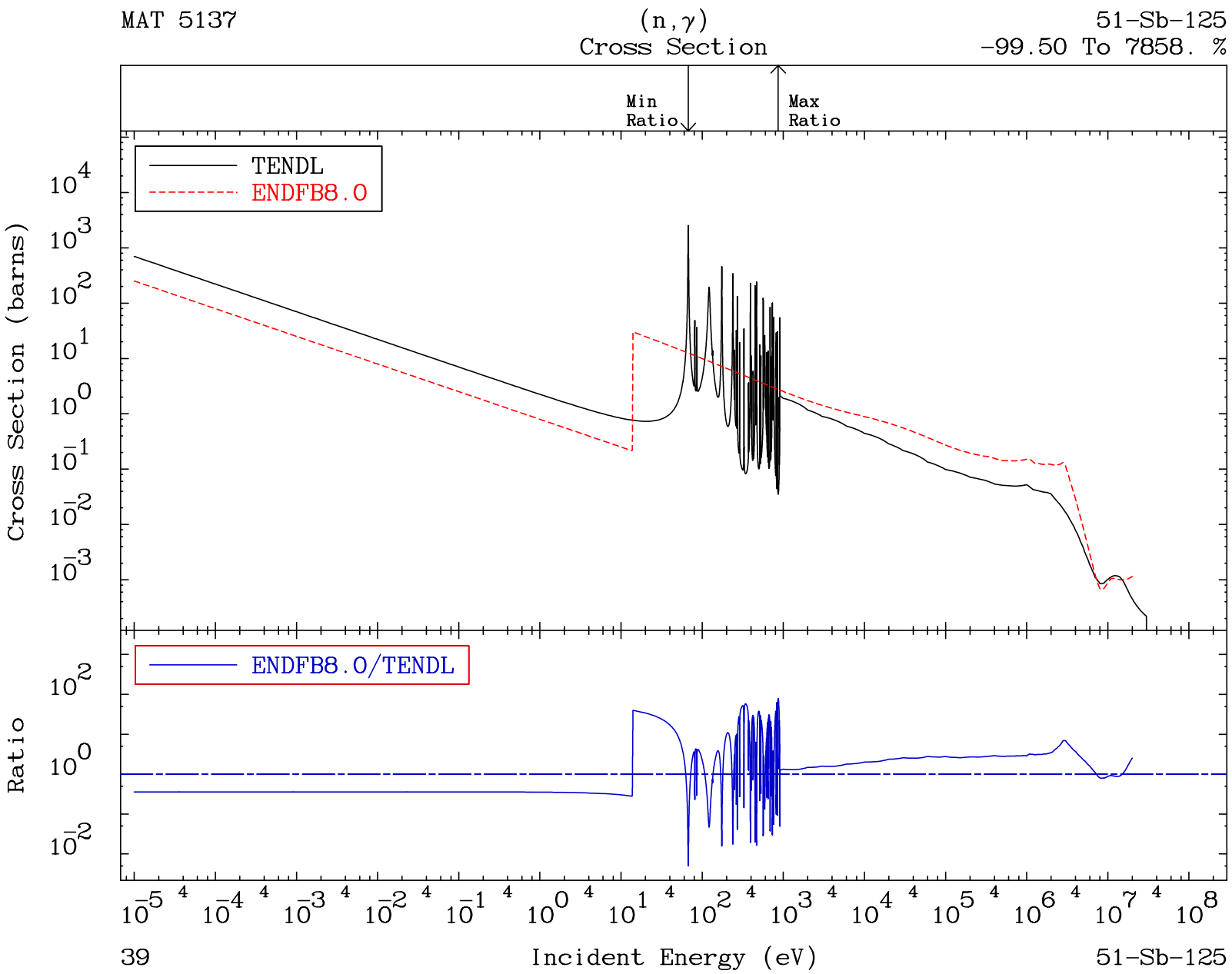

MAT 5137
MT= 75 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -52.04%
Max
Ratio
Min
Ratio
TENDL Threshold 2.1706 MeV
ENDFB8.0 Threshold 2.5908 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
34
51-Sb-125

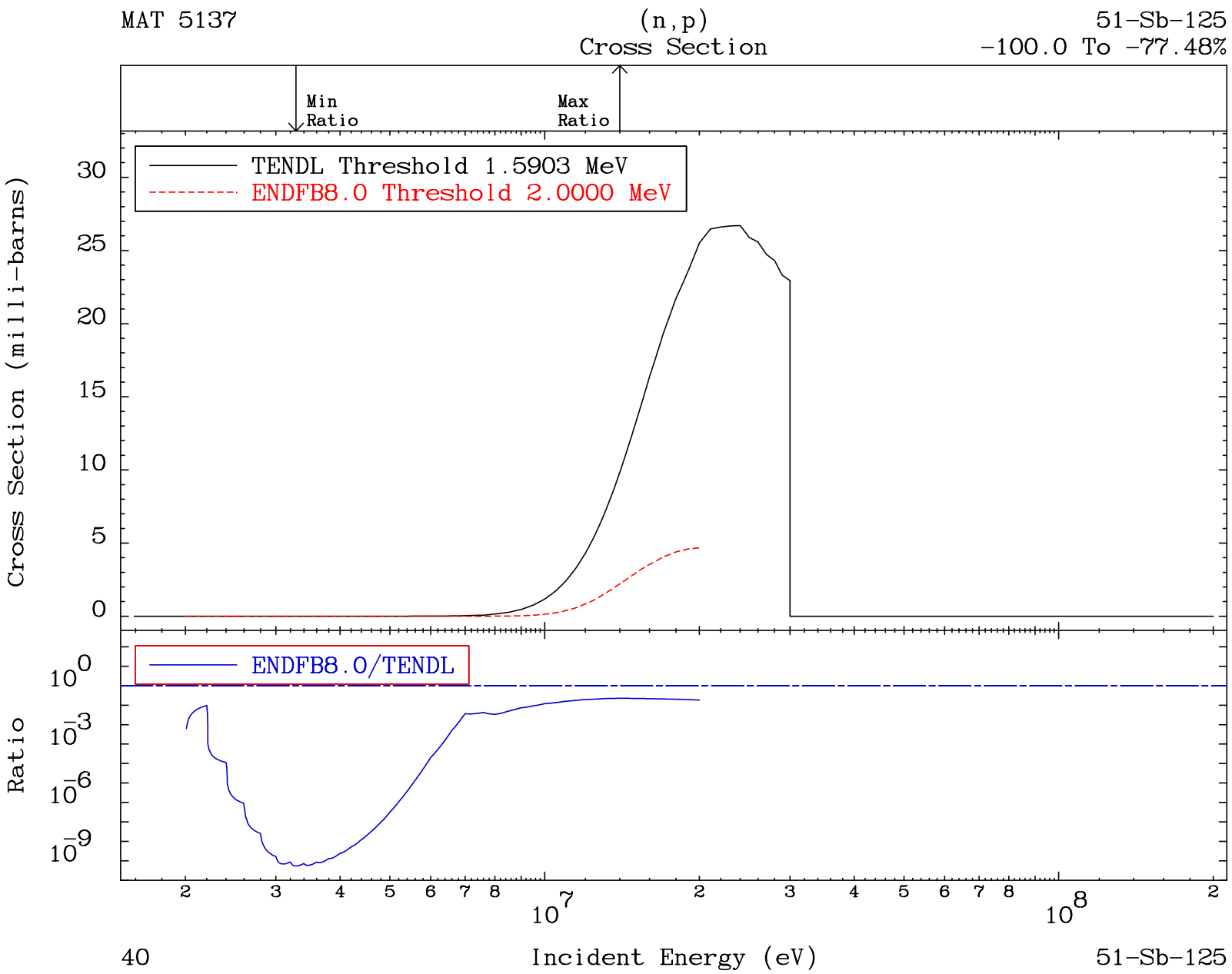

MAT 5137
MT= 76 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -80.17%
Max
Ratio
Min
Ratio
TENDL Threshold 2.2111 MeV
ENDFB8.0 Threshold 2.6916 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
51-Sb-125

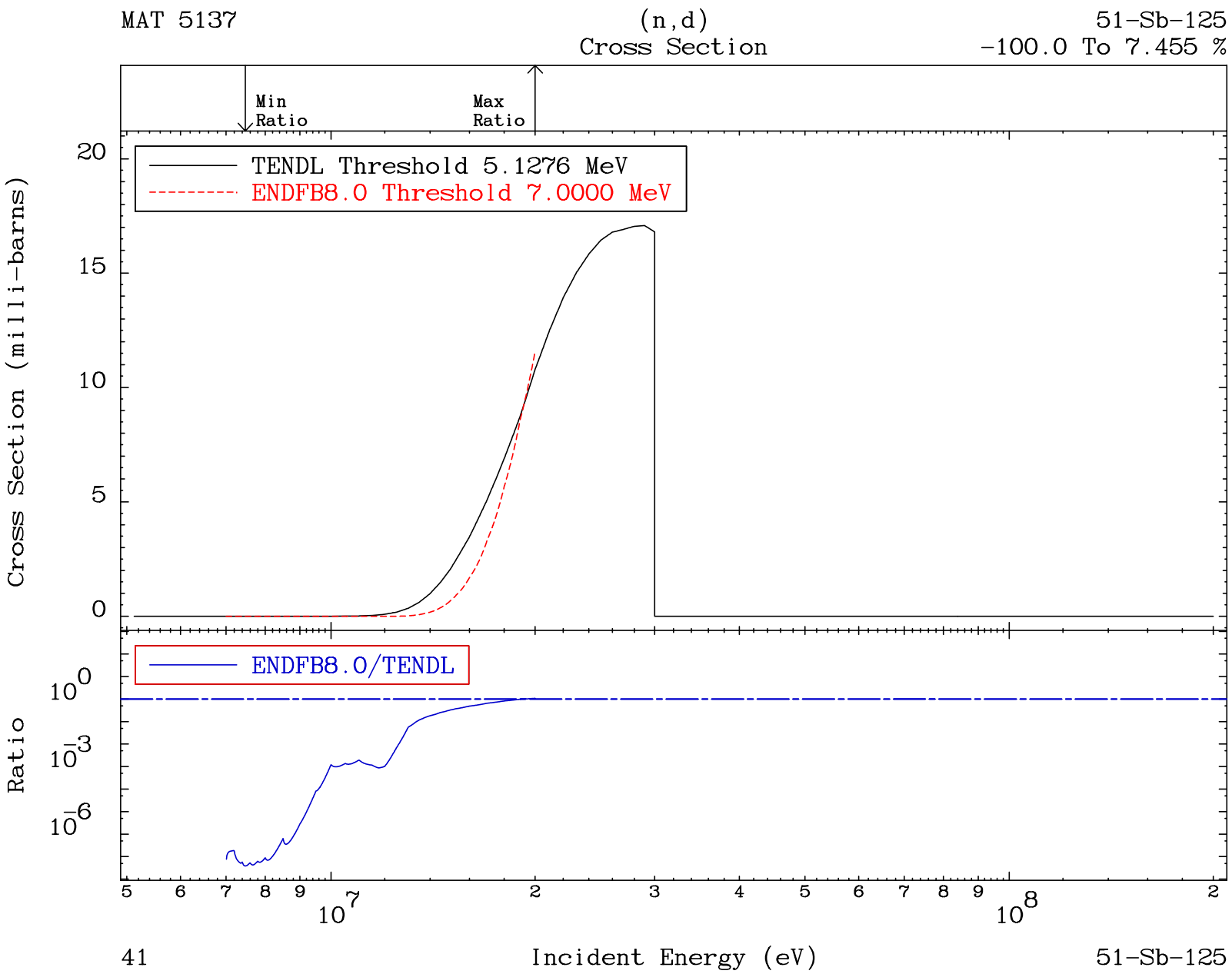

MAT 5137
MT= 77 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -29.21%
Max
Ratio
Min
Ratio
TENDL Threshold 2.2188 MeV
ENDFB8.0 Threshold 2.6996 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
51-Sb-125

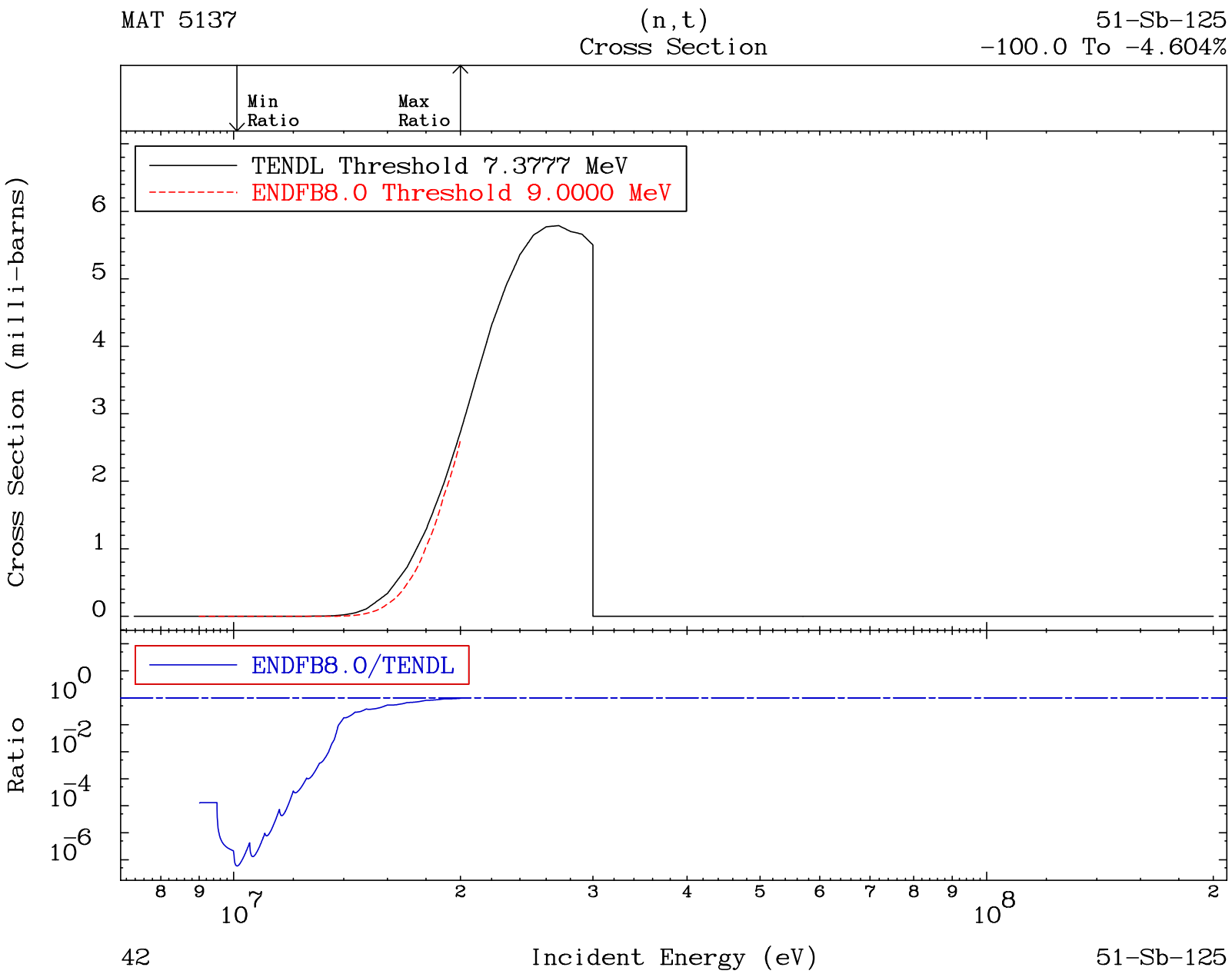

MAT 5137
MT= 78 (n,n') Level
Cross Section
51-Sb-125
-100.0 To -47.58%
Max
Ratio
Min
Ratio
TENDL Threshold 2.2351 MeV
ENDFB8.0 Threshold 2.7319 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
37
51-Sb-125

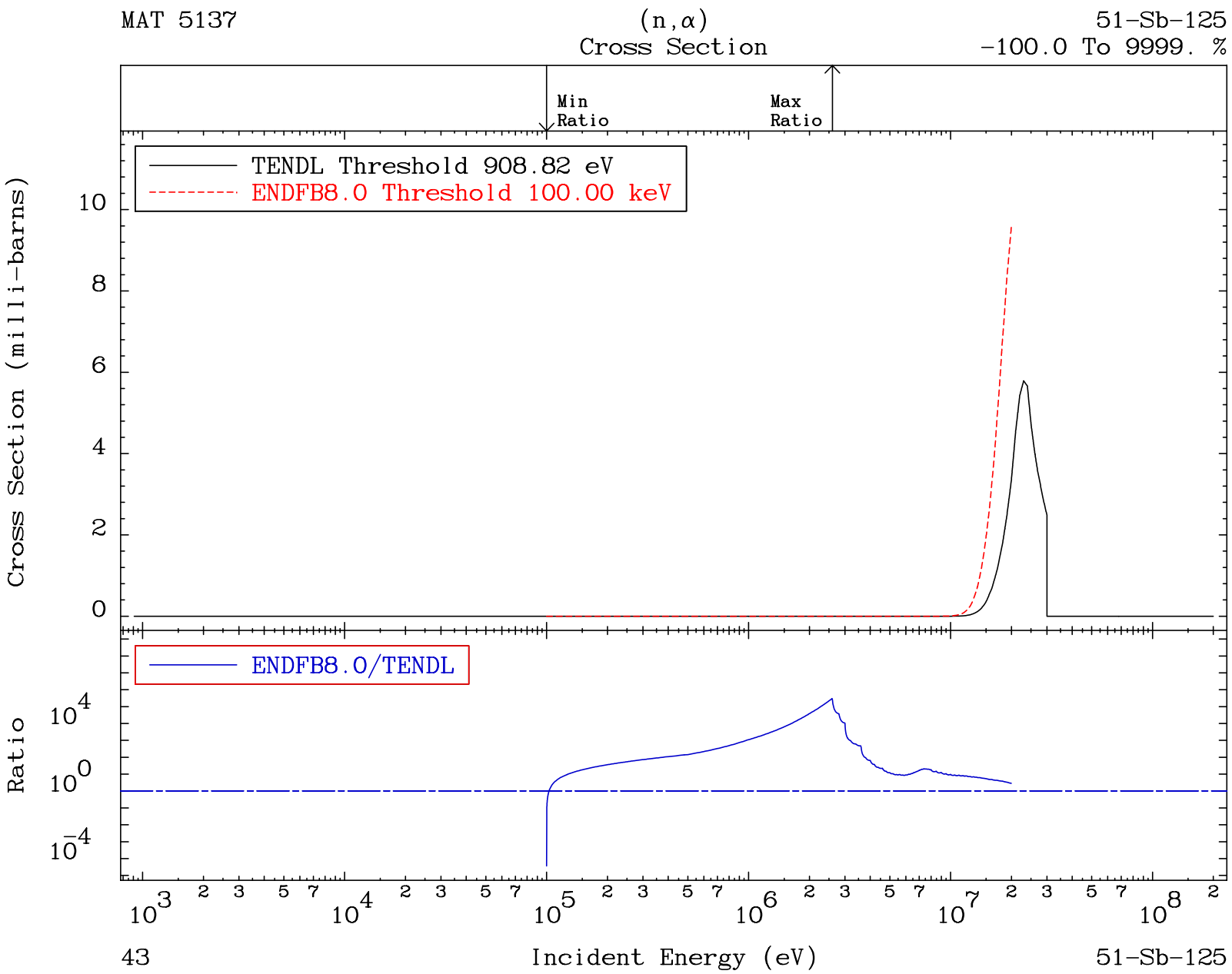

MAT 5137
(n,n') Continuum
Cross Section
51-Sb-125
-98.84 To -4.598%
Min Ratio
Max Ratio
TENDL Threshold 2.2588 MeV
ENDFB8.0 Threshold 2.8025 MeV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38
51-Sb-125

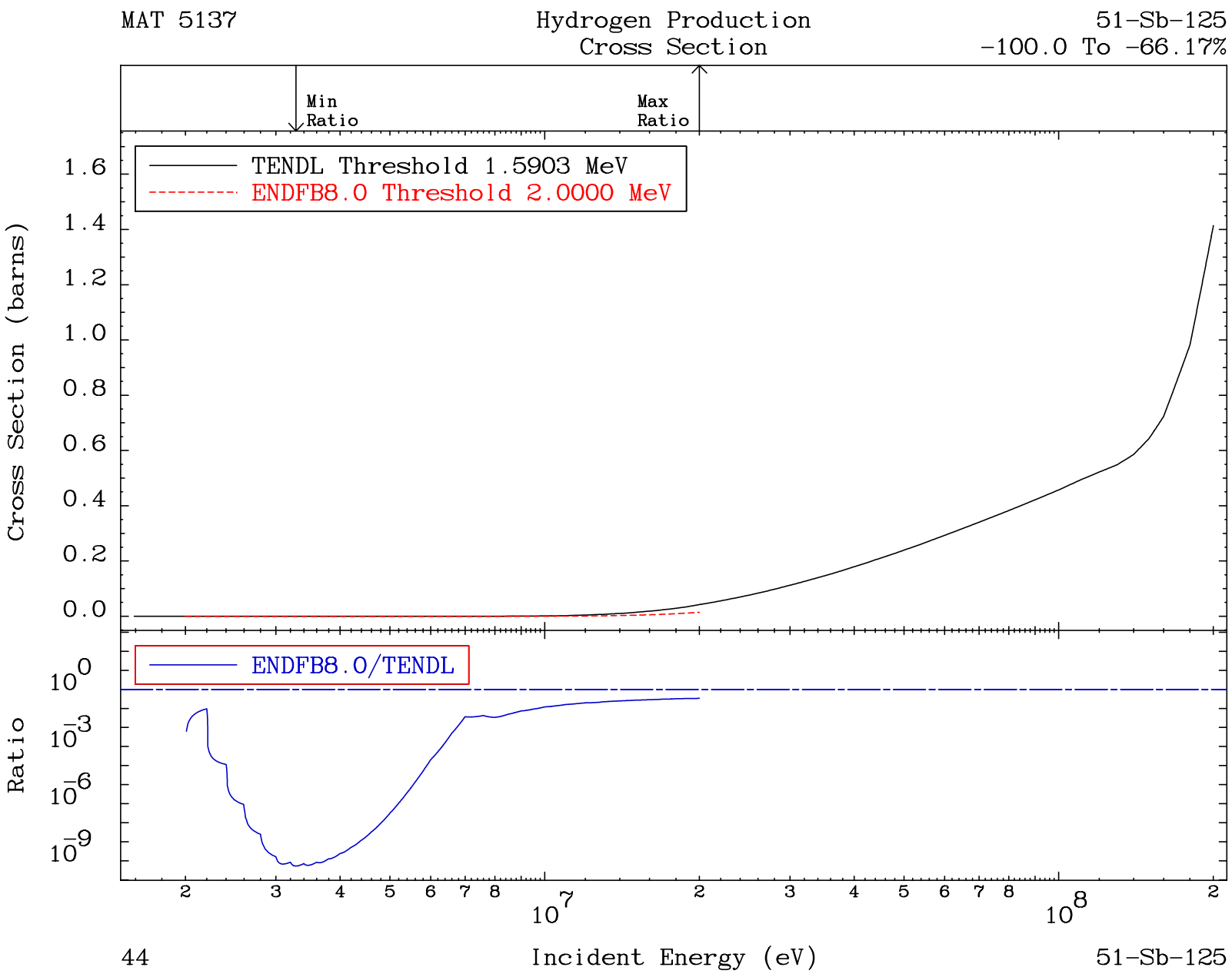

MAT 5137
(n,γ)
Cross Section
51-Sb-125
-99.50 To 7858. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
39
Incident Energy (eV)
51-Sb-125

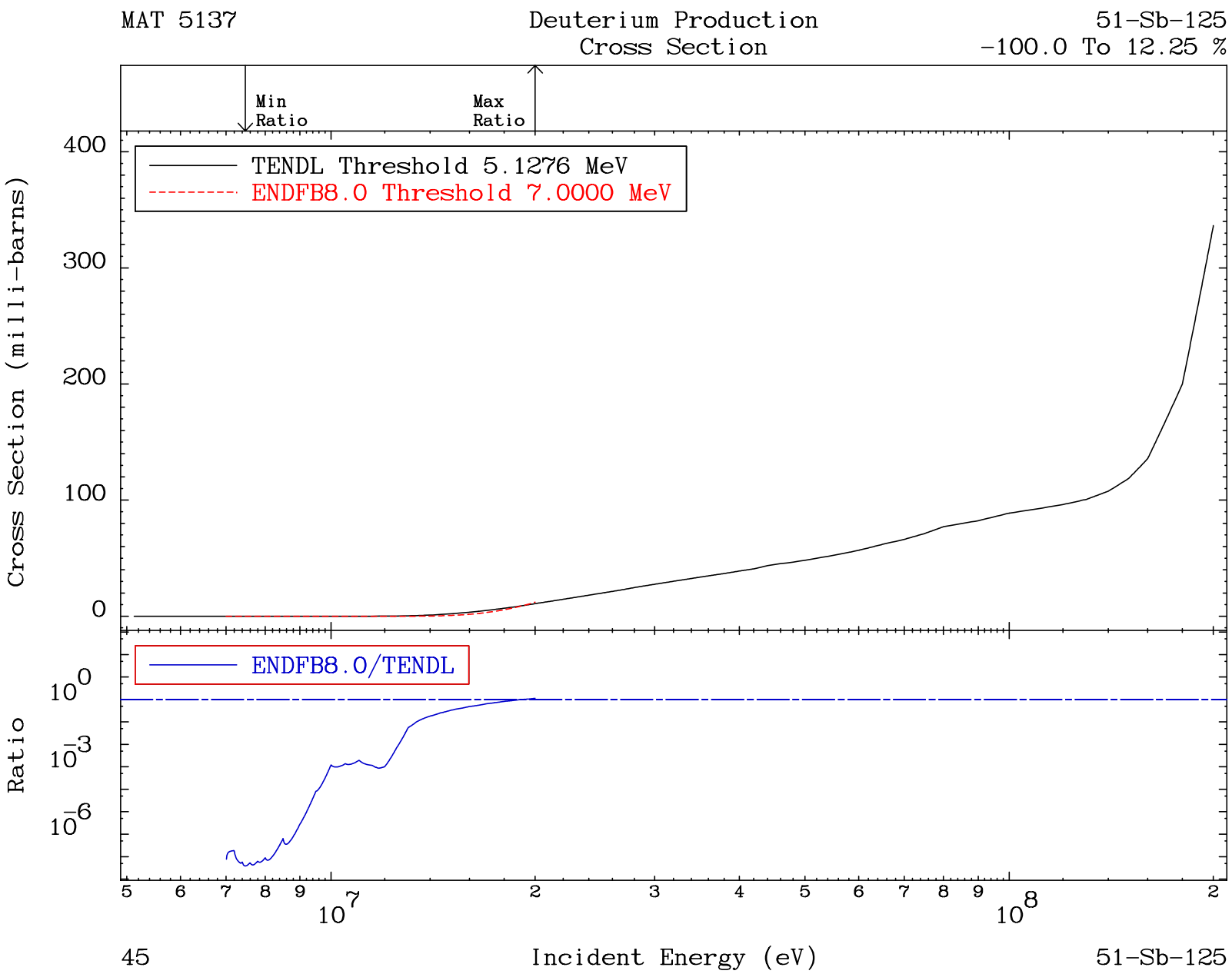

MAT 5137
(n,p)
Cross Section
51-Sb-125
-100.0 To -77.48%
Min Ratio
Max Ratio
TENDL Threshold 1.5903 MeV
ENDFB8.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
40
51-Sb-125

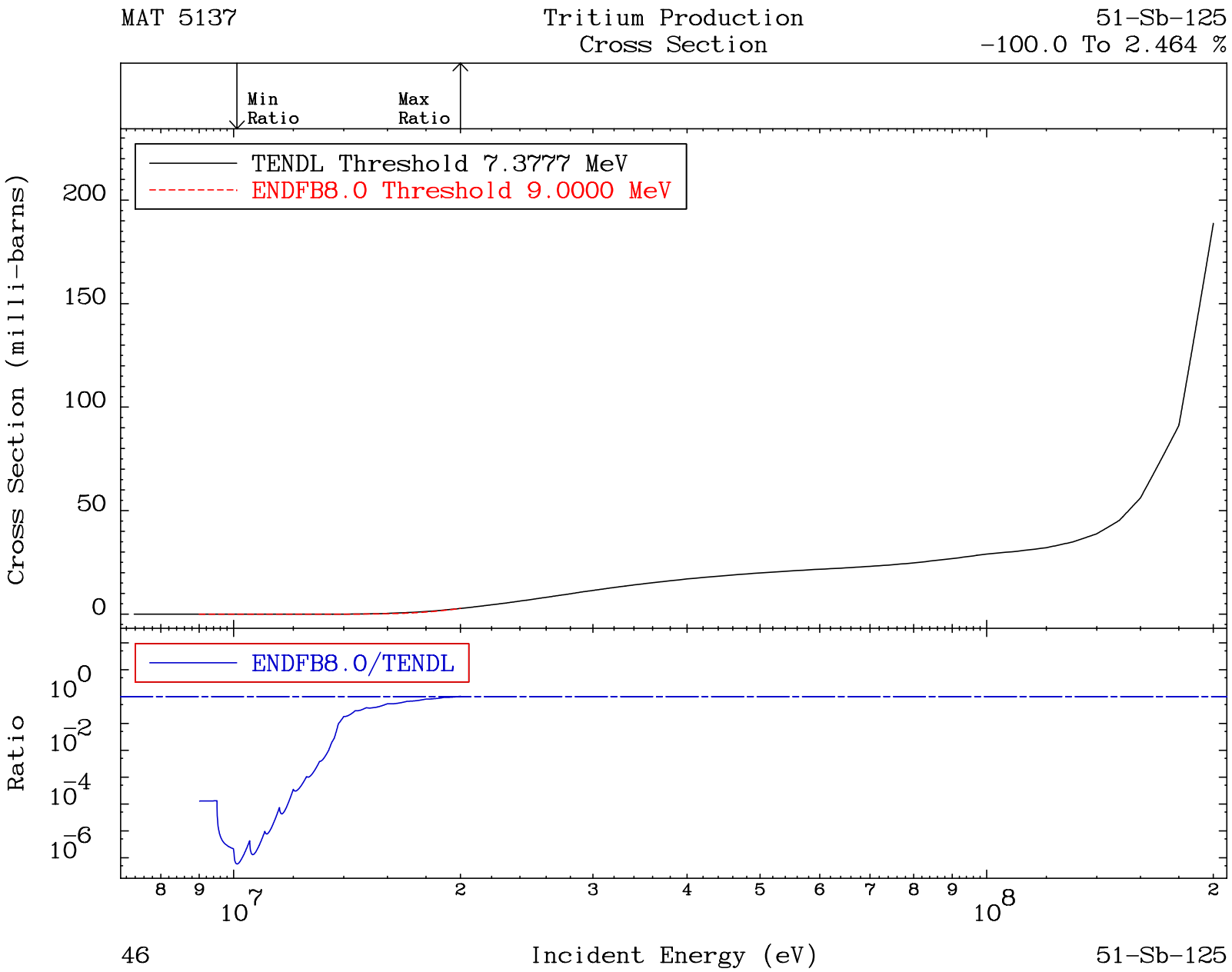

MAT 5137
(n,d)
Cross Section
51-Sb-125
-100.0 To 7.455 %
Min Ratio
Max Ratio
TENDL Threshold 5.1276 MeV
ENDFB8.0 Threshold 7.0000 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
51-Sb-125

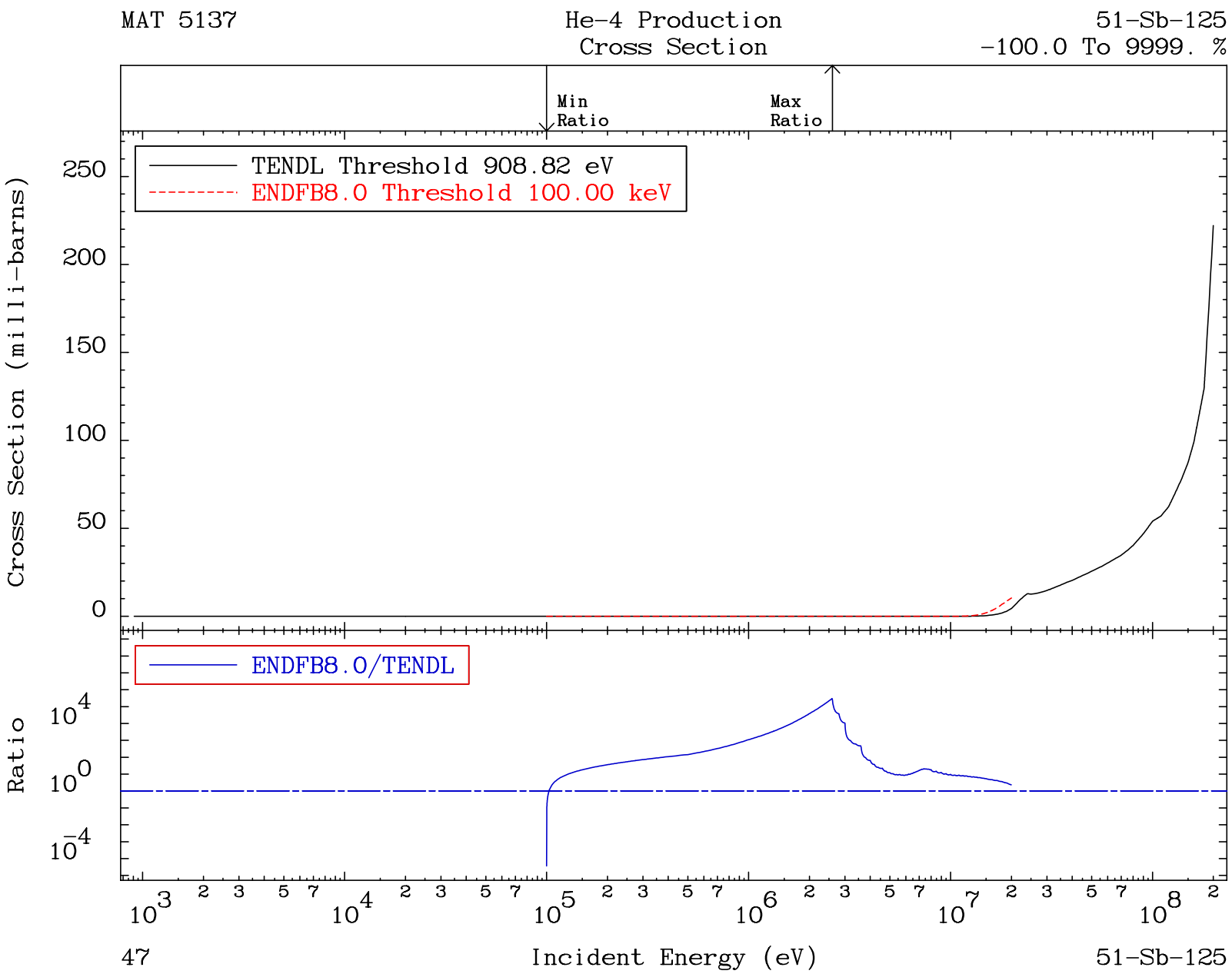

MAT 5137
(n,t)
Cross Section
51-Sb-125
-100.0 To -4.604%
Min Ratio
Max Ratio
TENDL Threshold 7.3777 MeV
ENDFB8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
42
51-Sb-125

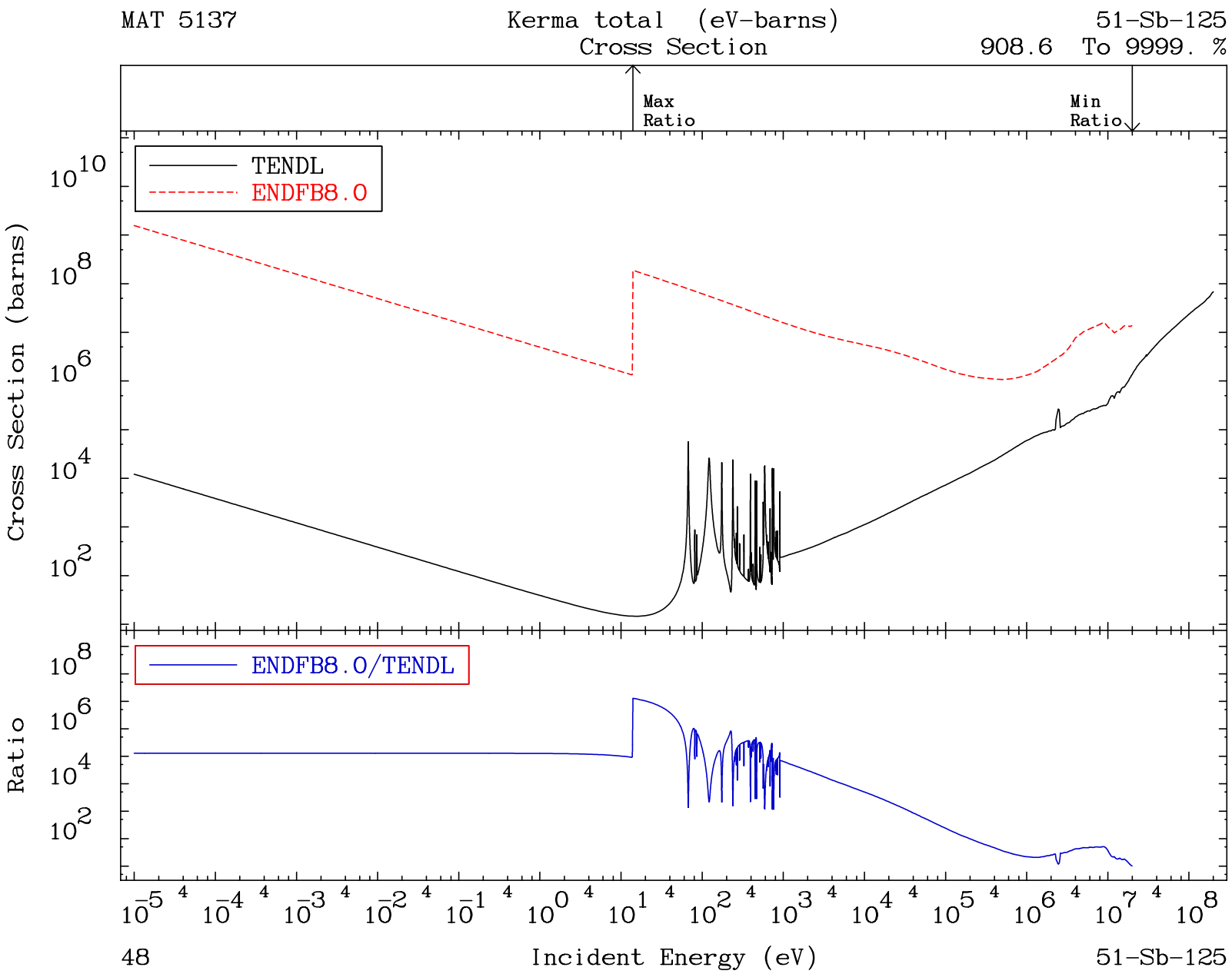

MAT 5137
(n,α)
Cross Section
51-Sb-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 908.82 eV
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
43
51-Sb-125

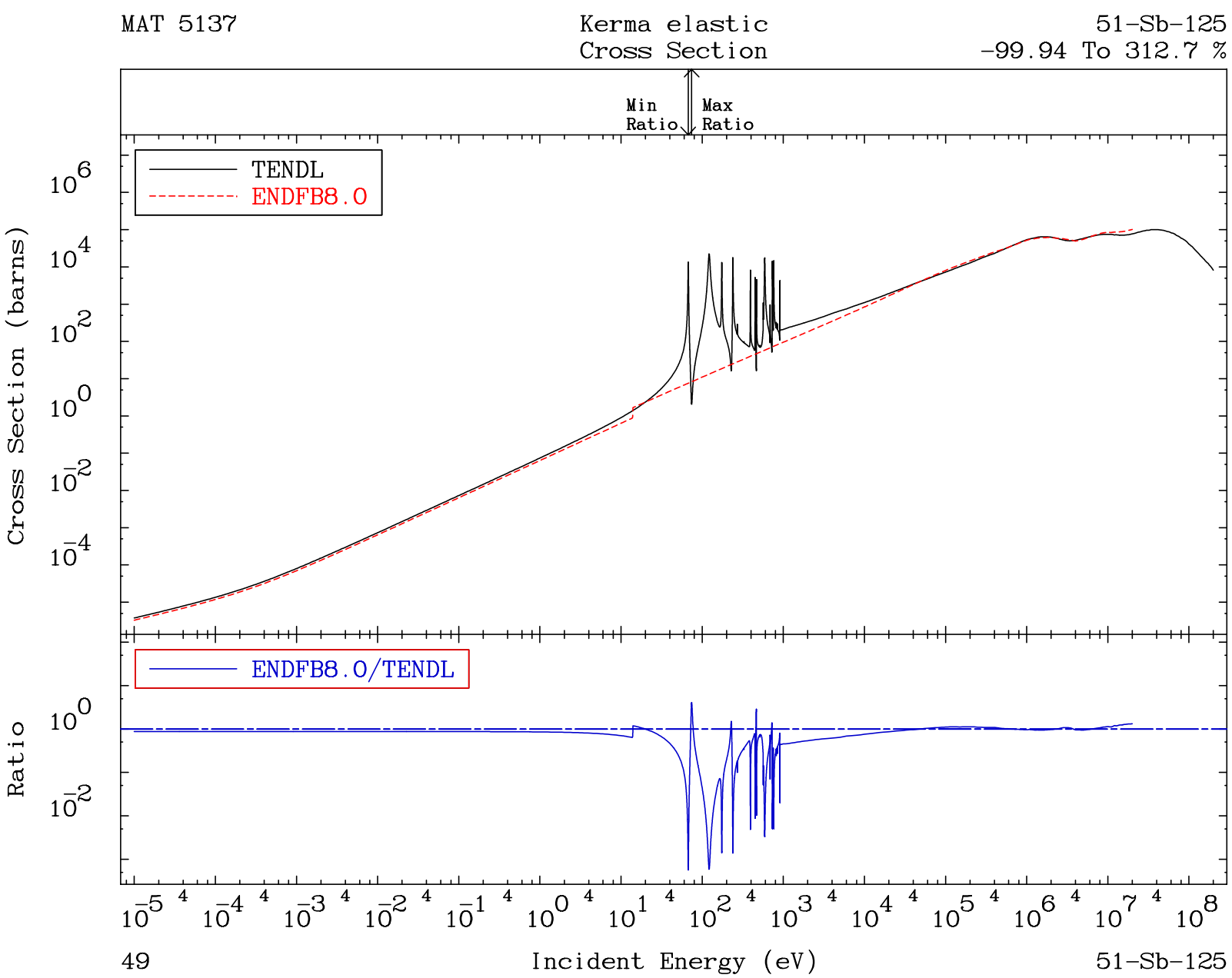

MAT 5137
Hydrogen Production
Cross Section
51-Sb-125
-100.0 To -66.17%
Min Ratio
Max Ratio
TENDL Threshold 1.5903 MeV
ENDFB8.0 Threshold 2.0000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
51-Sb-125

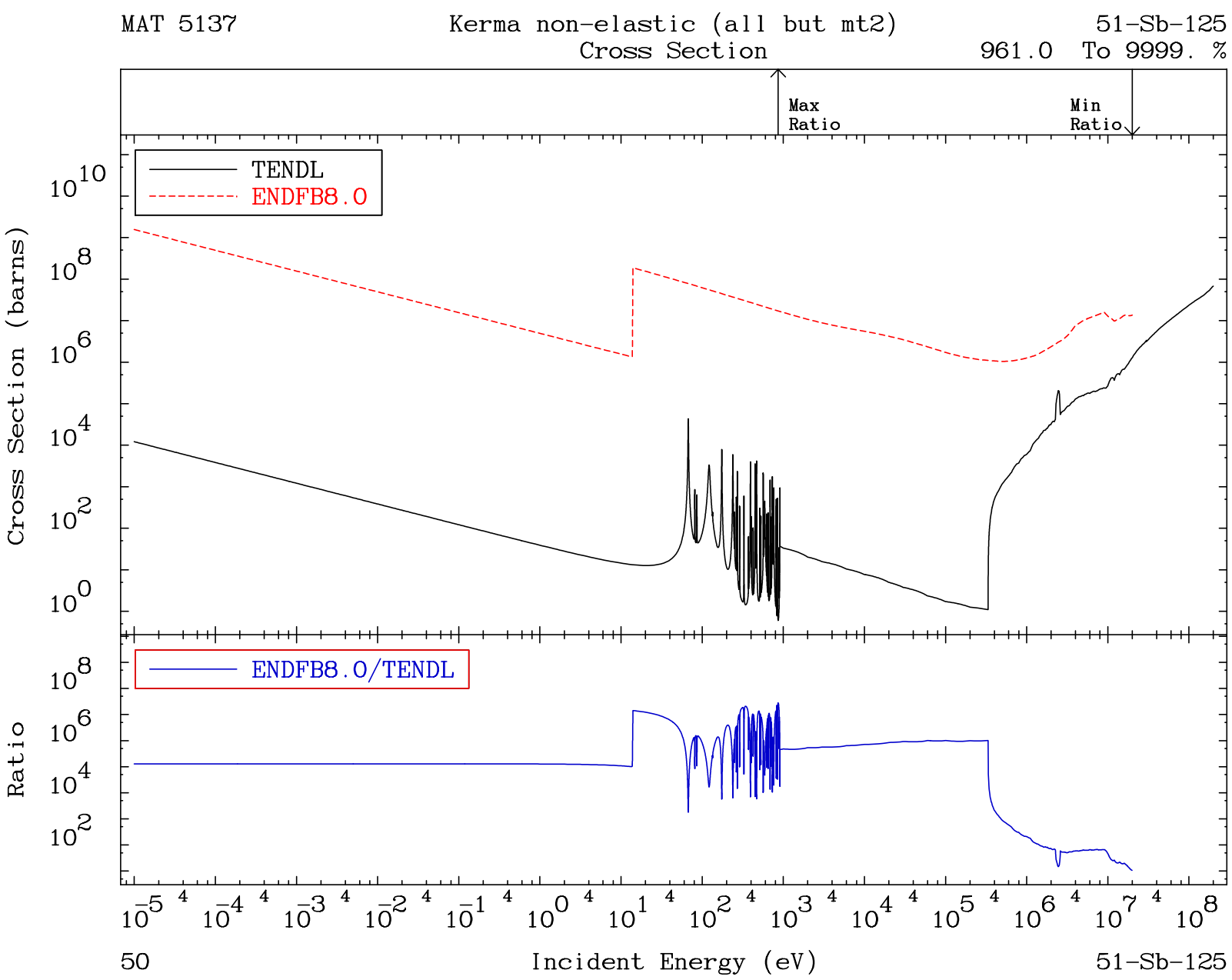

MAT 5137
Deuterium Production
Cross Section
51-Sb-125
-100.0 To 12.25 %
Min Ratio
Max Ratio
TENDL Threshold 5.1276 MeV
ENDFB8.0 Threshold 7.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
51-Sb-125

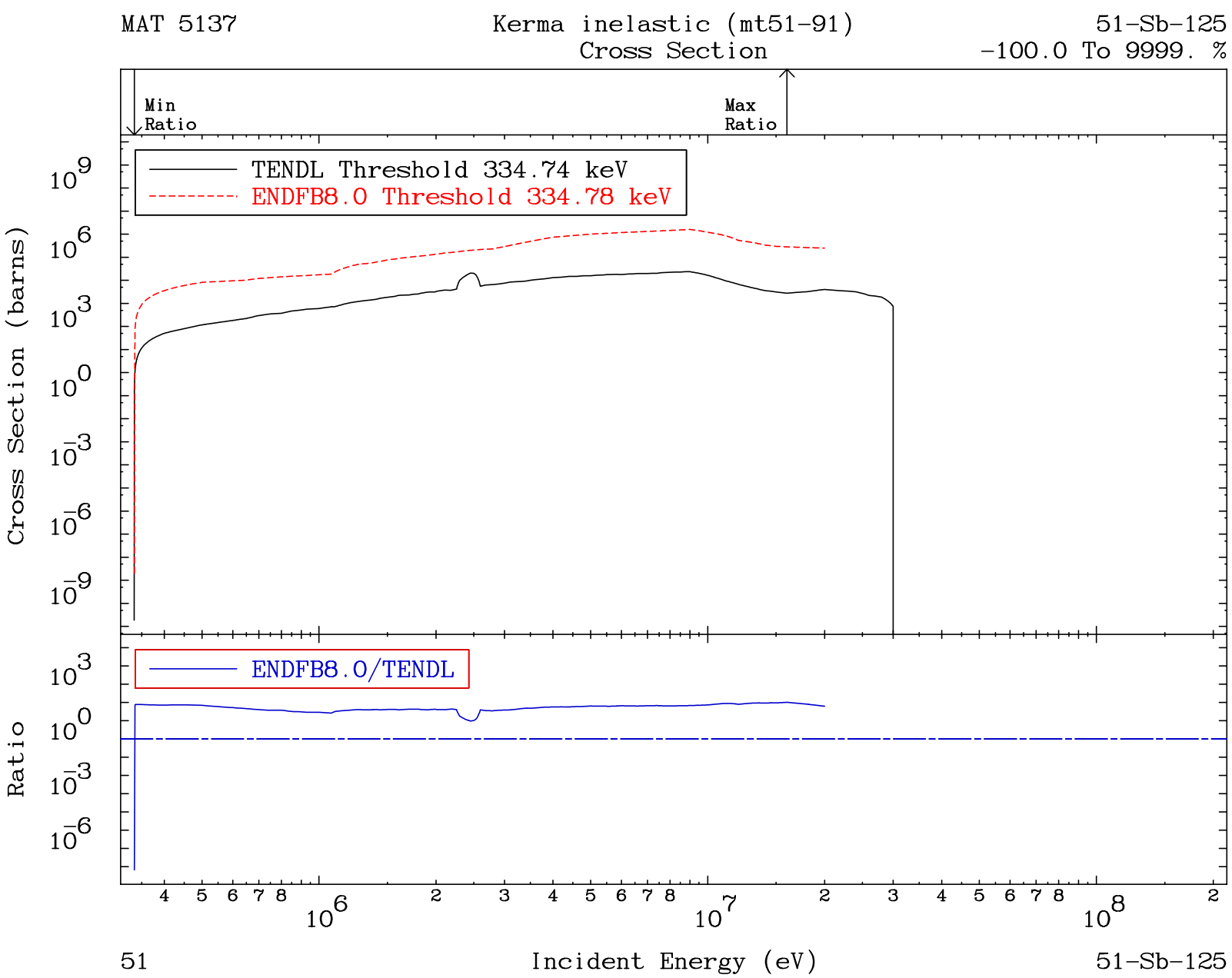

MAT 5137
Tritium Production
Cross Section
51-Sb-125
-100.0 To 2.464 %
Min Ratio
Max Ratio
TENDL Threshold 7.3777 MeV
ENDFB8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
51-Sb-125

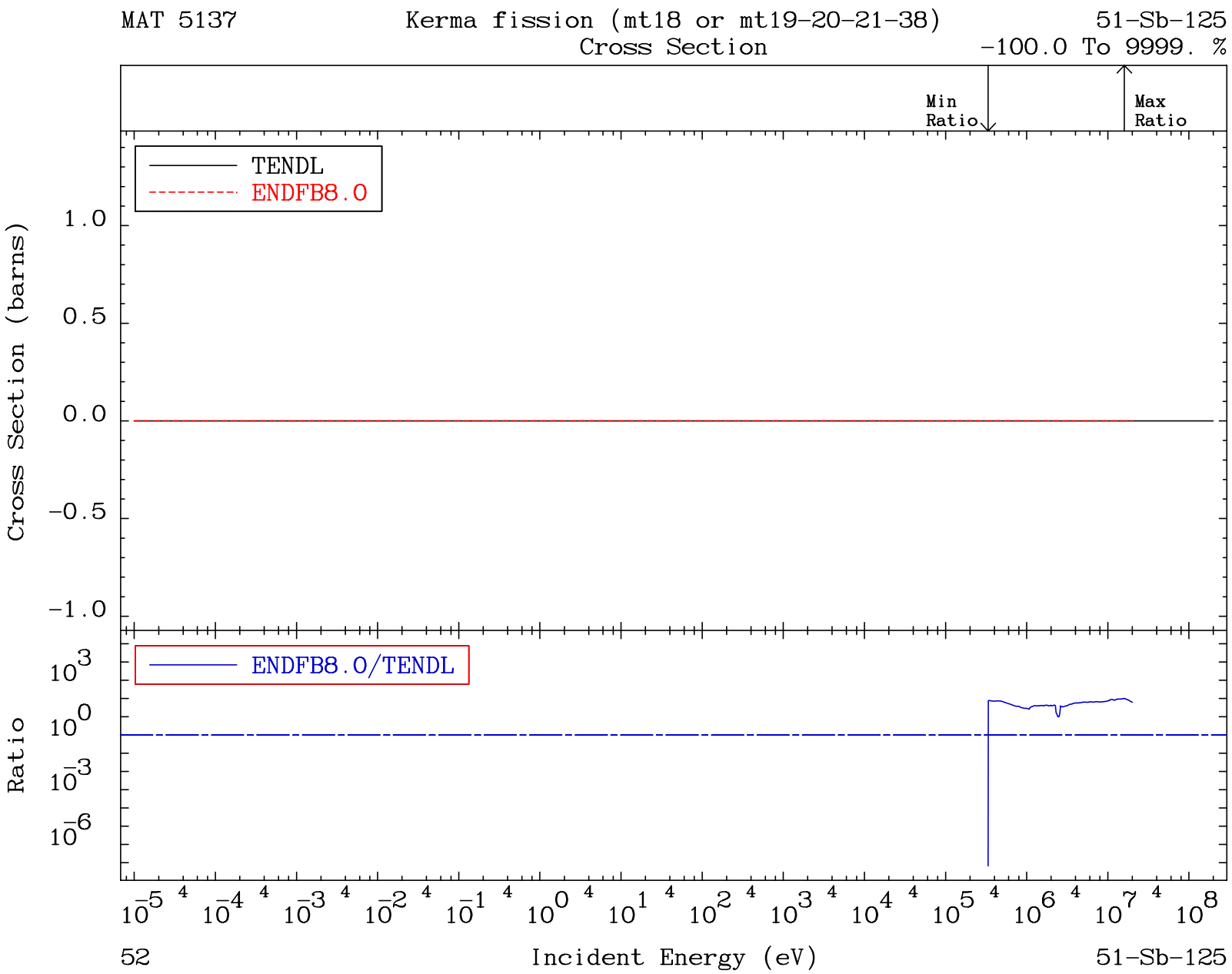

MAT 5137
He-4 Production
Cross Section
51-Sb-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 908.82 eV
ENDFB8.0 Threshold 100.00 keV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^4
10^0
10^-4
10^3
10^4
10^5
10^6
10^7
10^8
47
Incident Energy (eV)
51-Sb-125

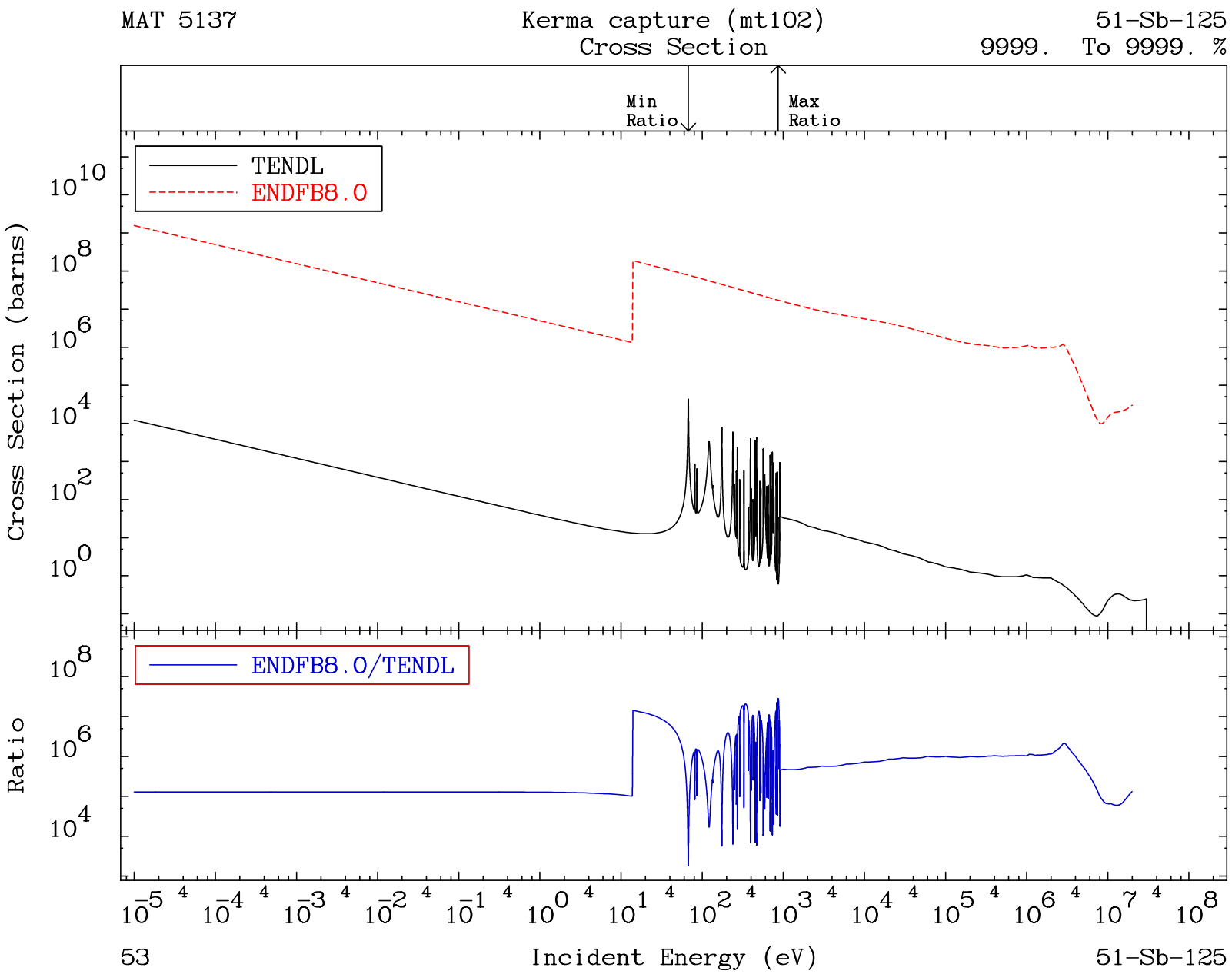

MAT 5137
Kerma total (eV-barns)
Cross Section
51-Sb-125
908.6 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
48
51-Sb-125

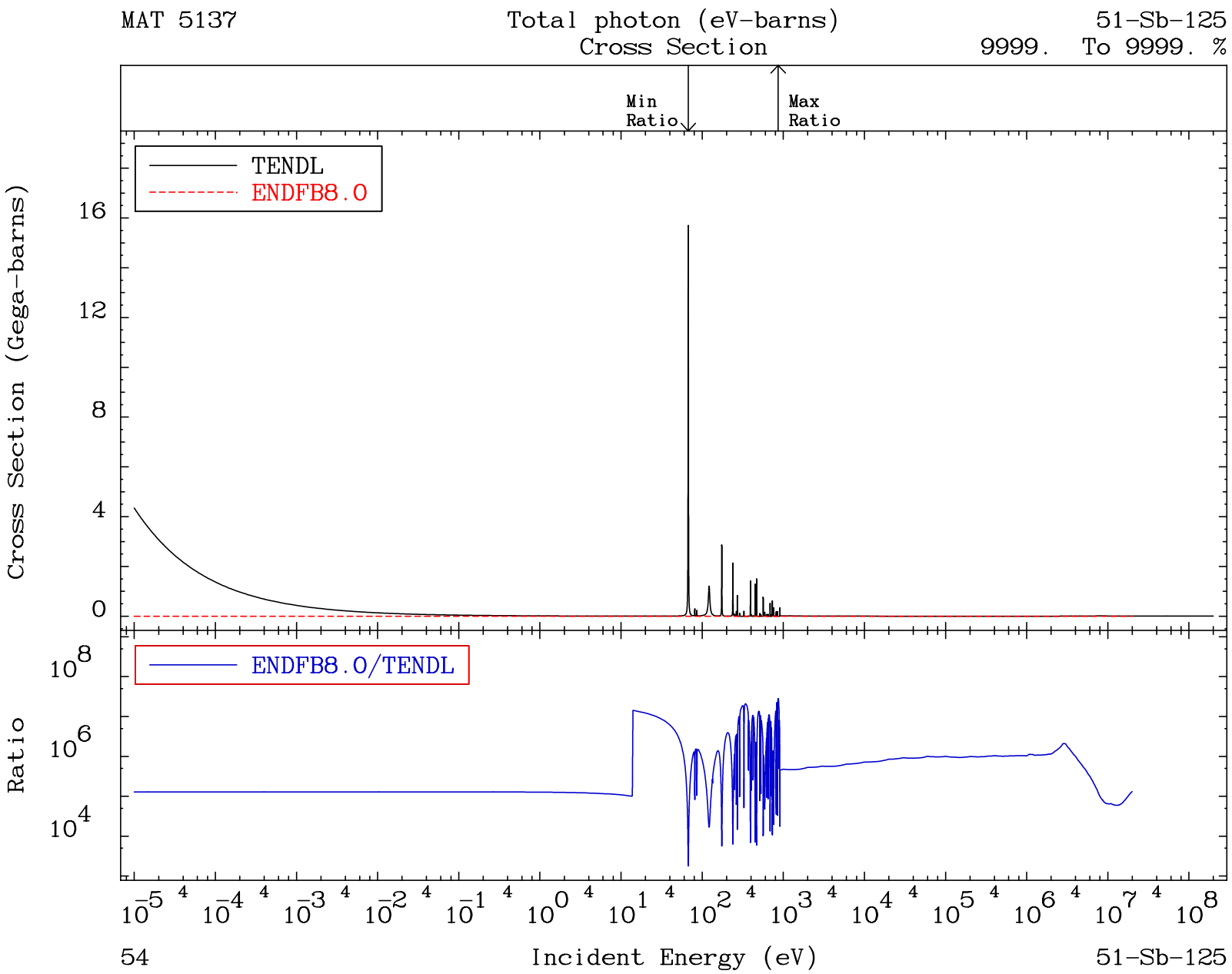

MAT 5137
Kerma elastic
Cross Section
51-Sb-125
-99.94 To 312.7 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
49
51-Sb-125

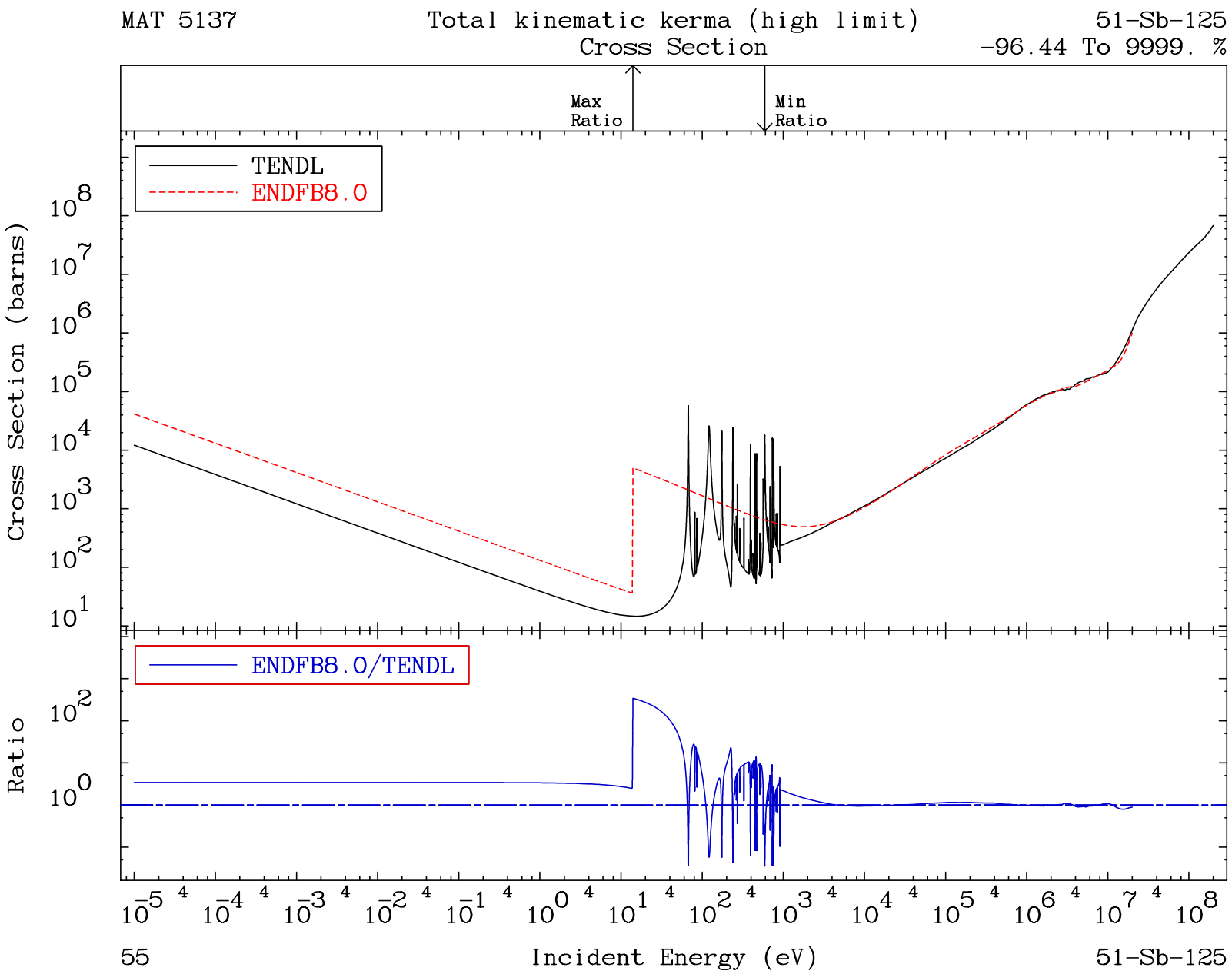

MAT 5137
Kerma non-elastic (all but mt2)
Cross Section
51-Sb-125
961.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
51-Sb-125

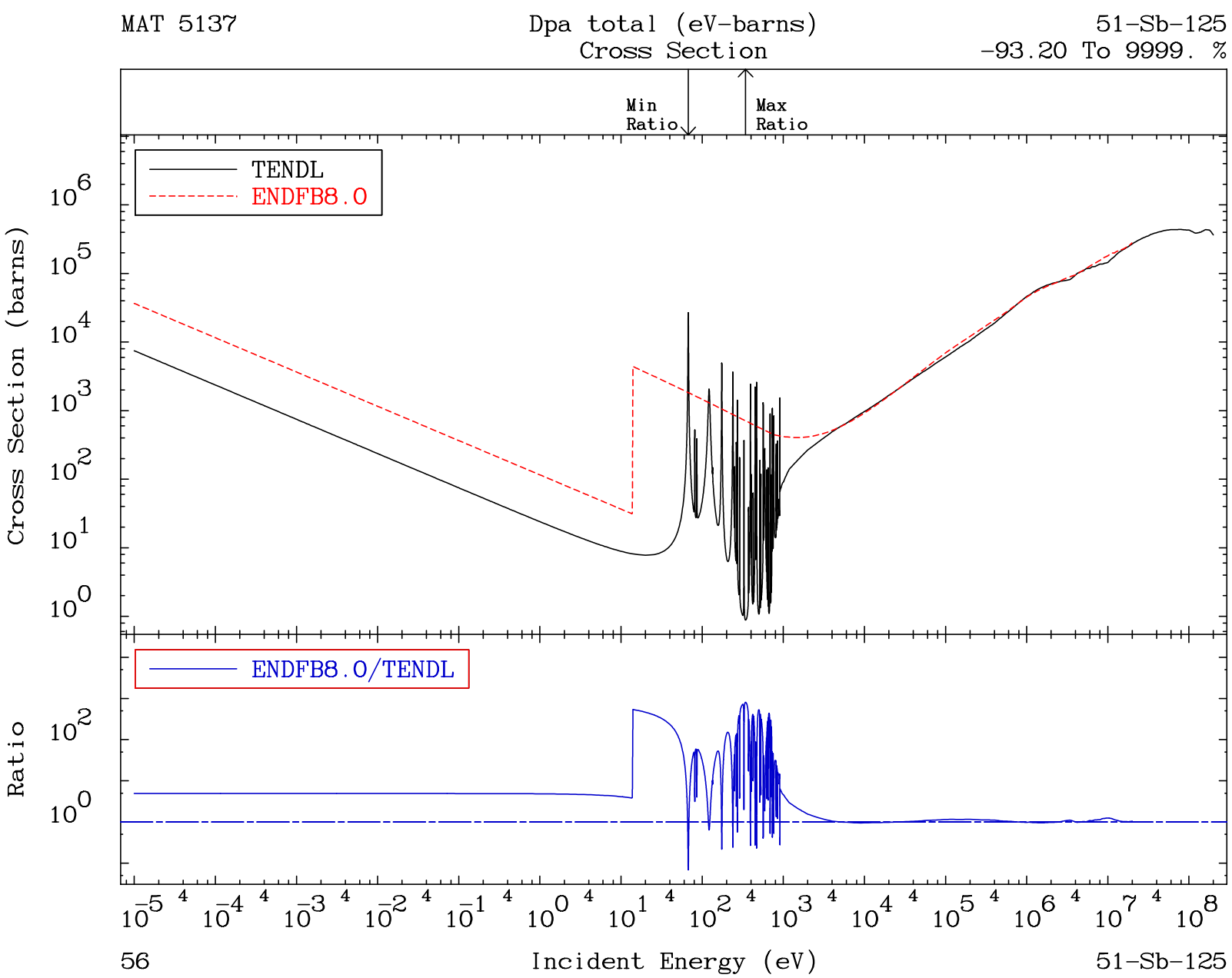

MAT 5137
Kerma inelastic (mt51-91)
Cross Section
51-Sb-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 334.74 keV
ENDFB8.0 Threshold 334.78 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
51
51-Sb-125

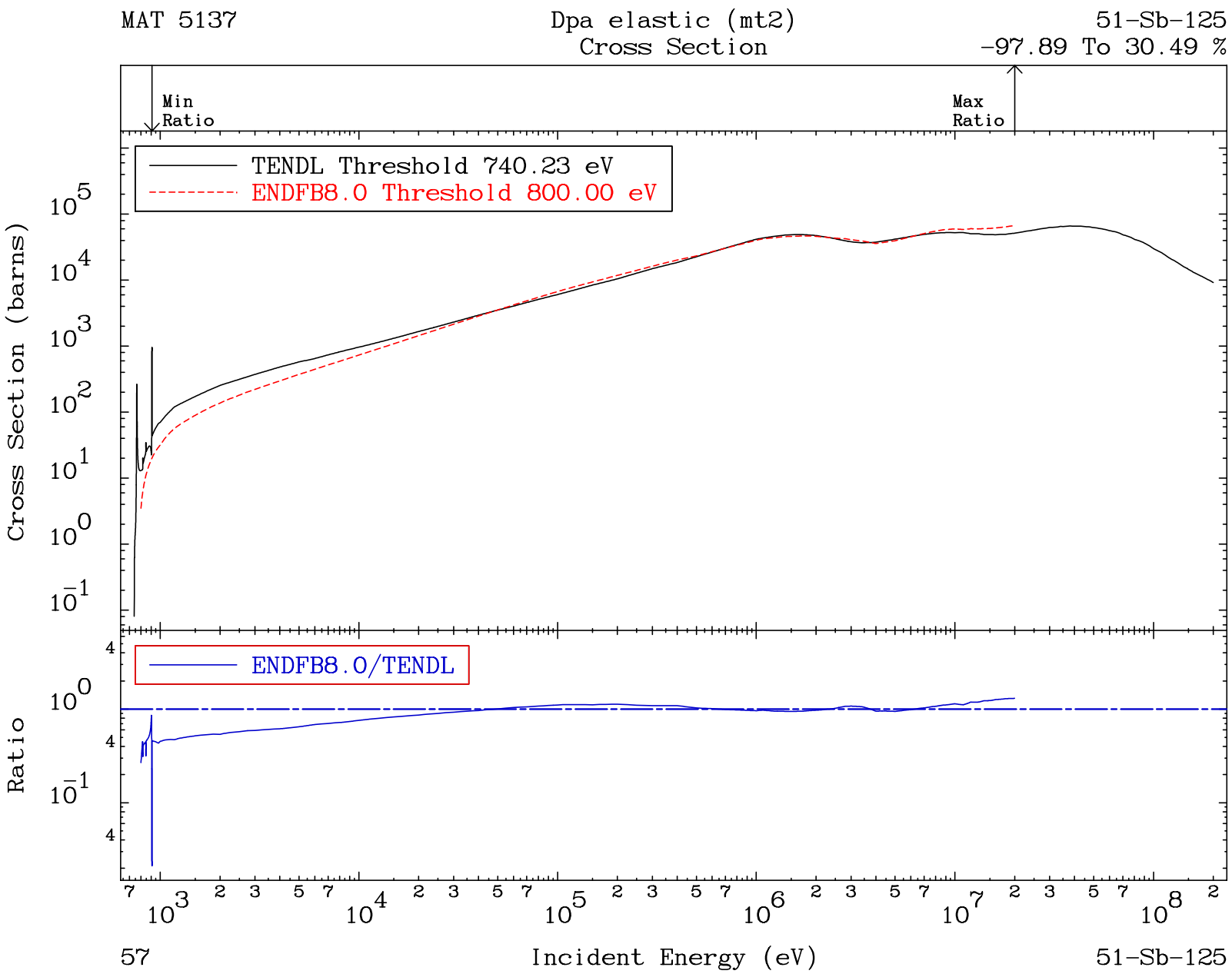

MAT 5137
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
51-Sb-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
52
Incident Energy (eV)
51-Sb-125

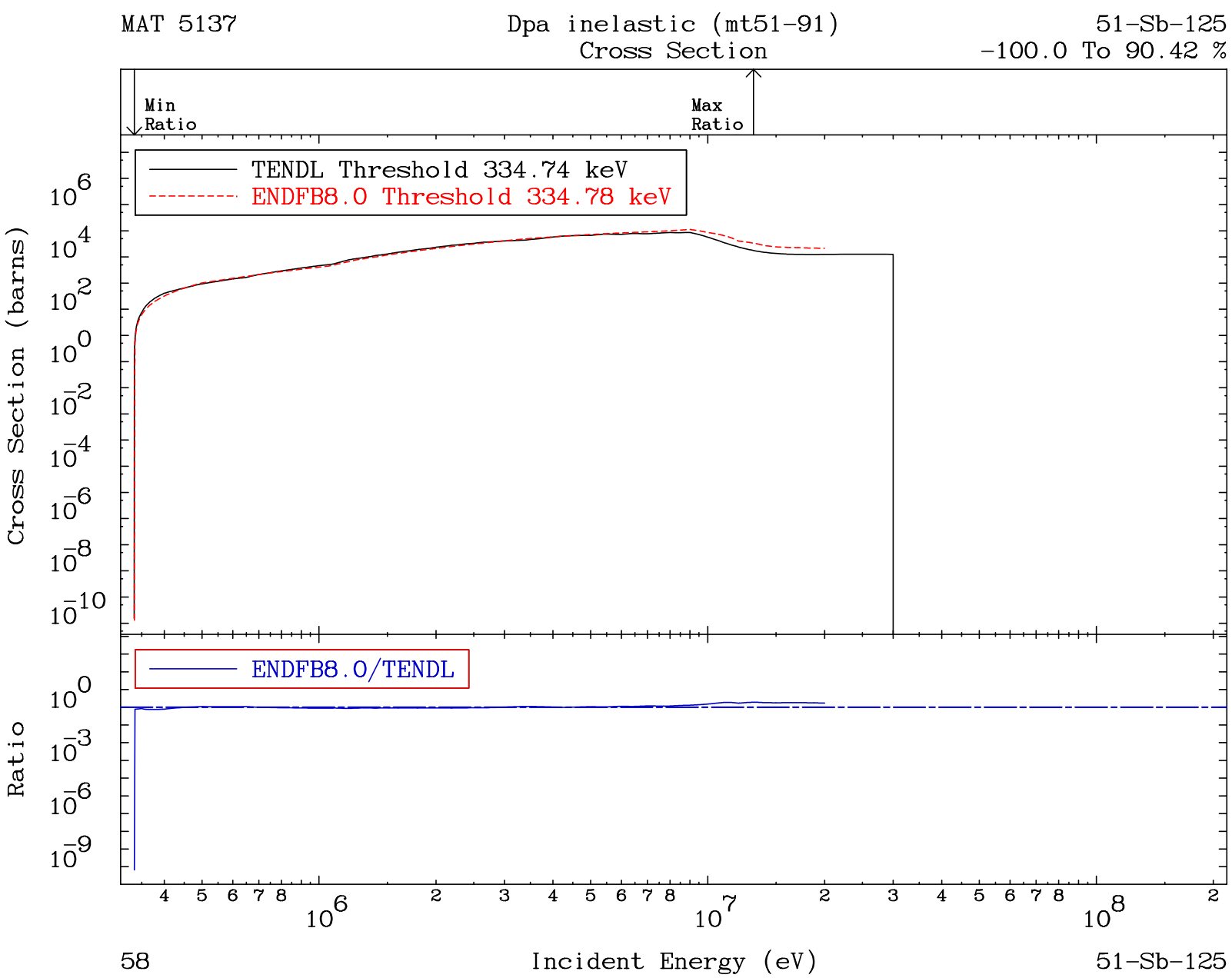

MAT 5137
Kerma capture (mt102)
Cross Section
51-Sb-125
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
53
51-Sb-125

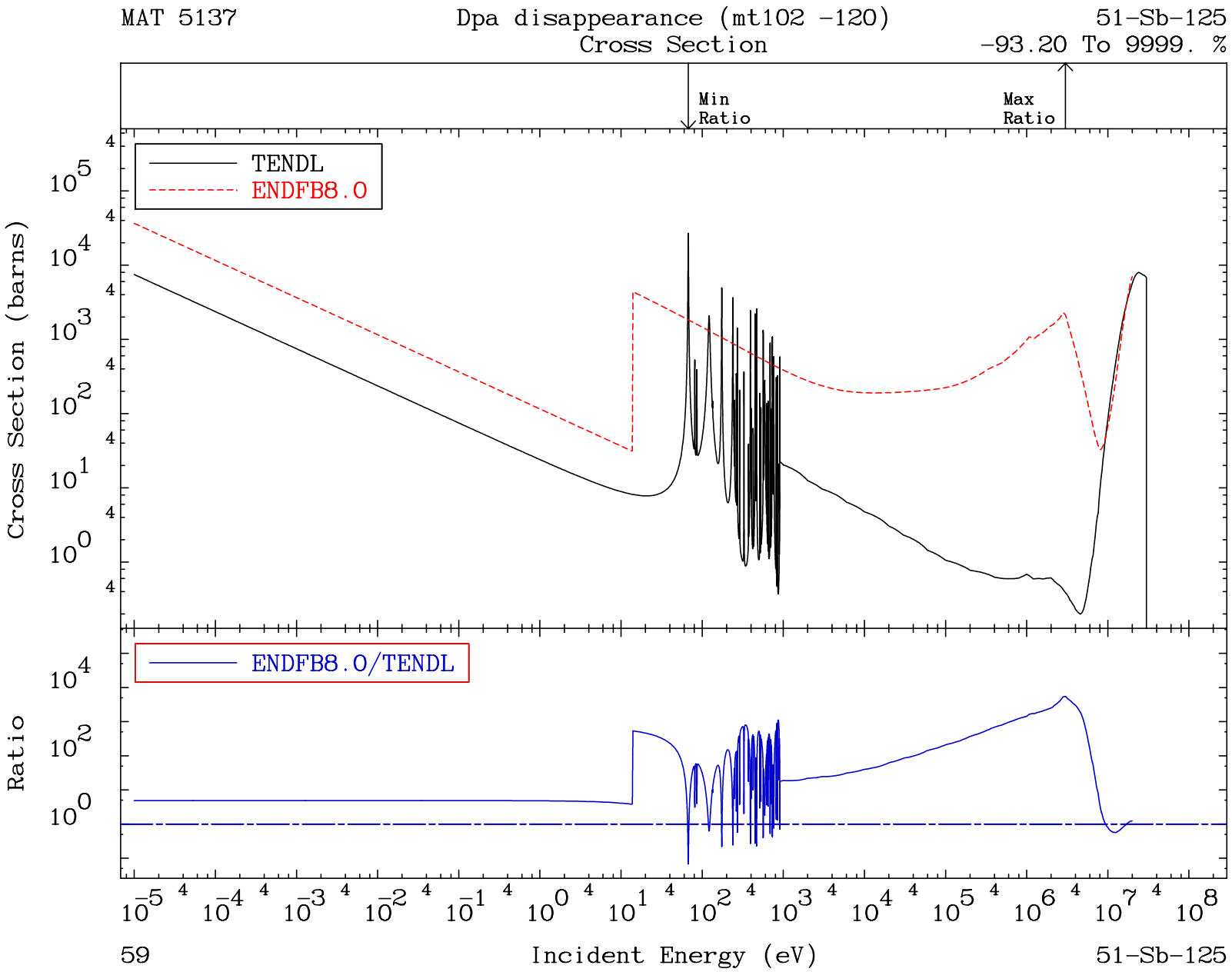

MAT 5137
Total photon (eV-barns)
Cross Section
51-Sb-125
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (Giga-barns)
16
12
8
4
0
ENDFB8.0/TENDL
Ratio
10^8
10^6
10^4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
51-Sb-125


MAT 5137
Total kinematic kerma (high limit)
Cross Section
51-Sb-125
-96.44 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
55
51-Sb-125


MAT 5137
Dpa total (eV-barns)
Cross Section
51-Sb-125
-93.20 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
56
51-Sb-125


MAT 5137
Dpa elastic (mt2)
Cross Section
51-Sb-125
-97.89 To 30.49 %
Min Ratio
Max Ratio
TENDL Threshold 740.23 eV
ENDFB8.0 Threshold 800.00 eV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
51-Sb-125


MAT 5137
Dpa inelastic (mt51-91)
Cross Section
51-Sb-125
-100.0 To 90.42 %
Min Ratio
Max Ratio
TENDL Threshold 334.74 keV
ENDFB8.0 Threshold 334.78 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
58
Incident Energy (eV)
51-Sb-125


MAT 5137
Dpa disappearance (mt102 -120)
Cross Section
51-Sb-125
-93.20 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
59
51-Sb-125