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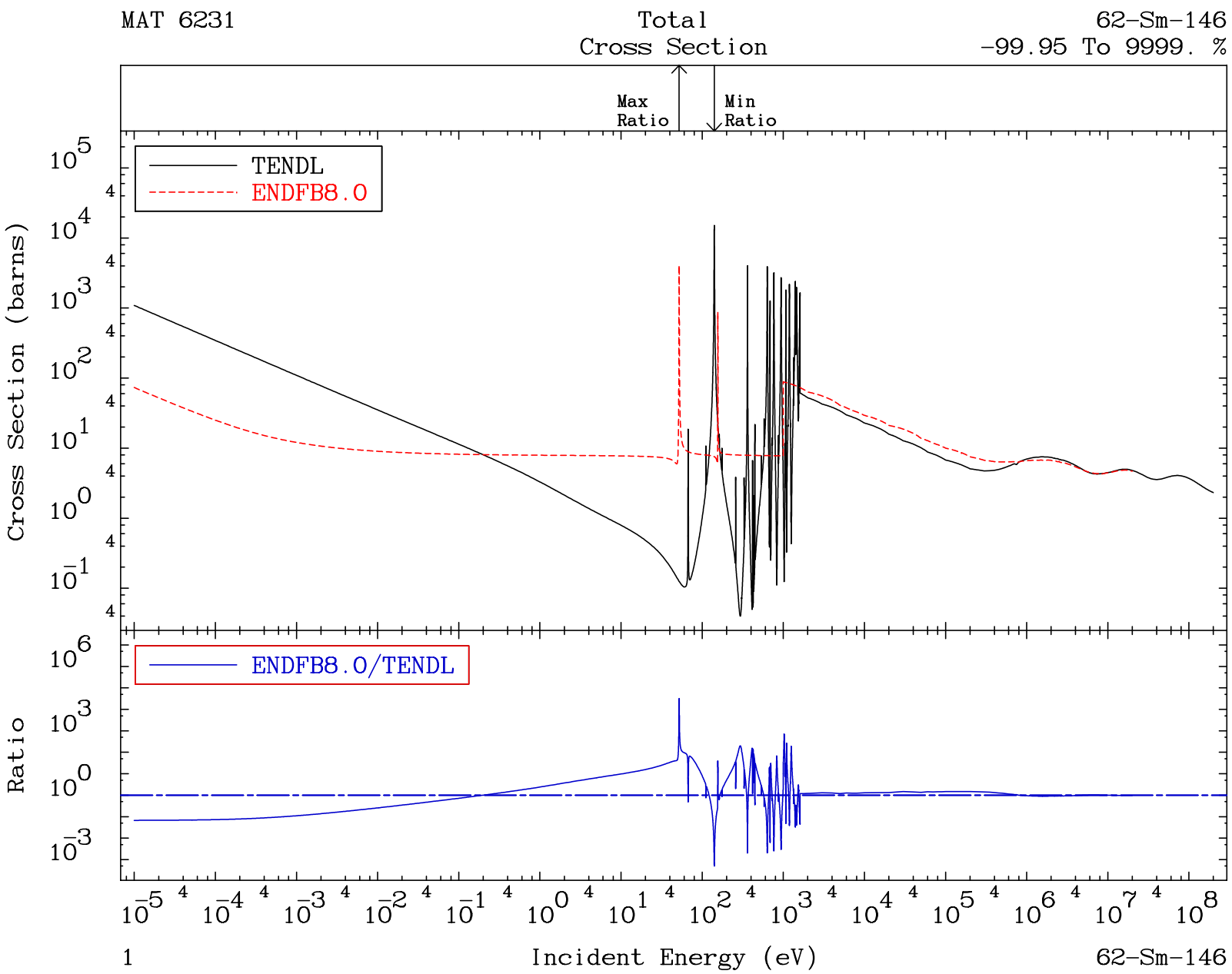
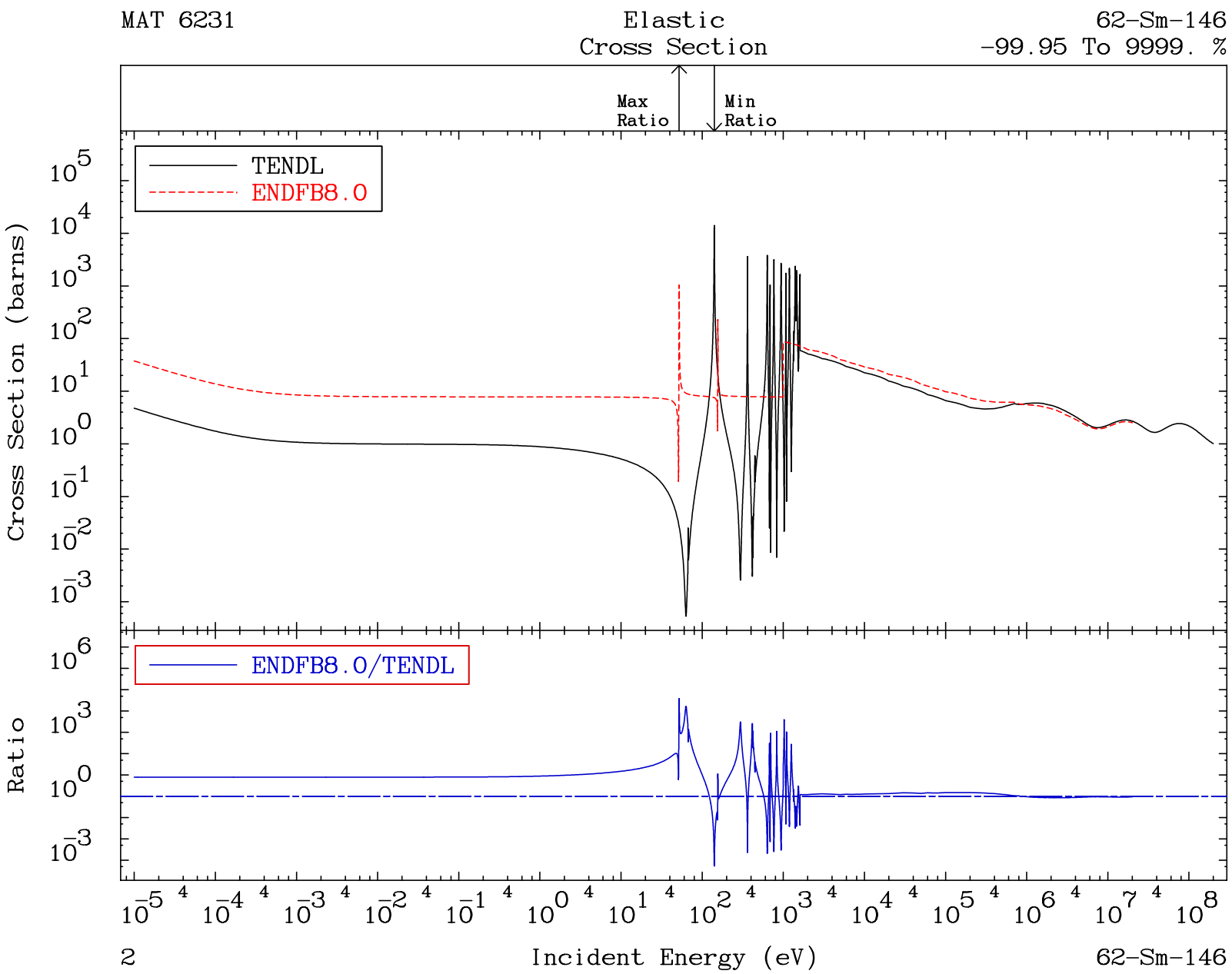
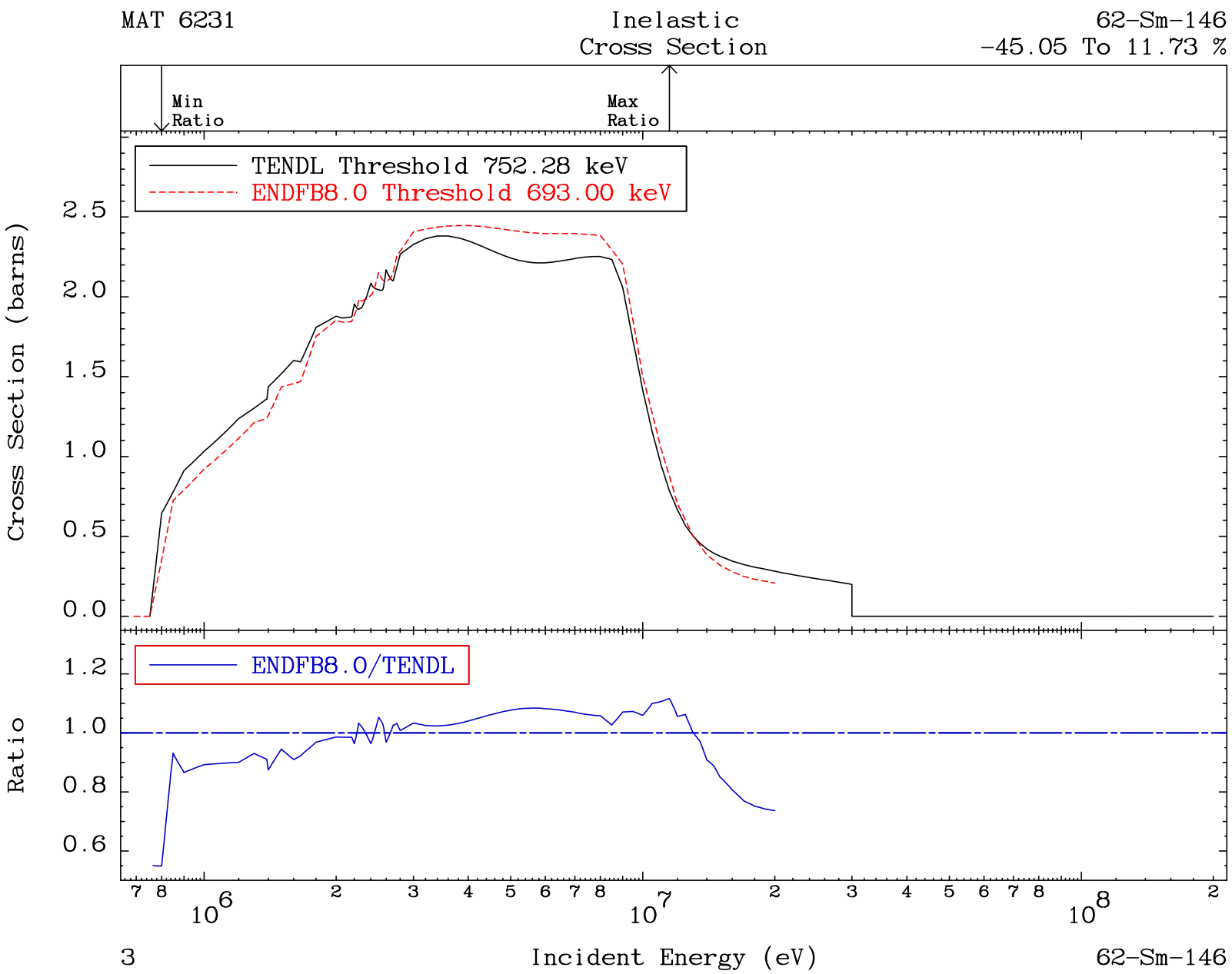
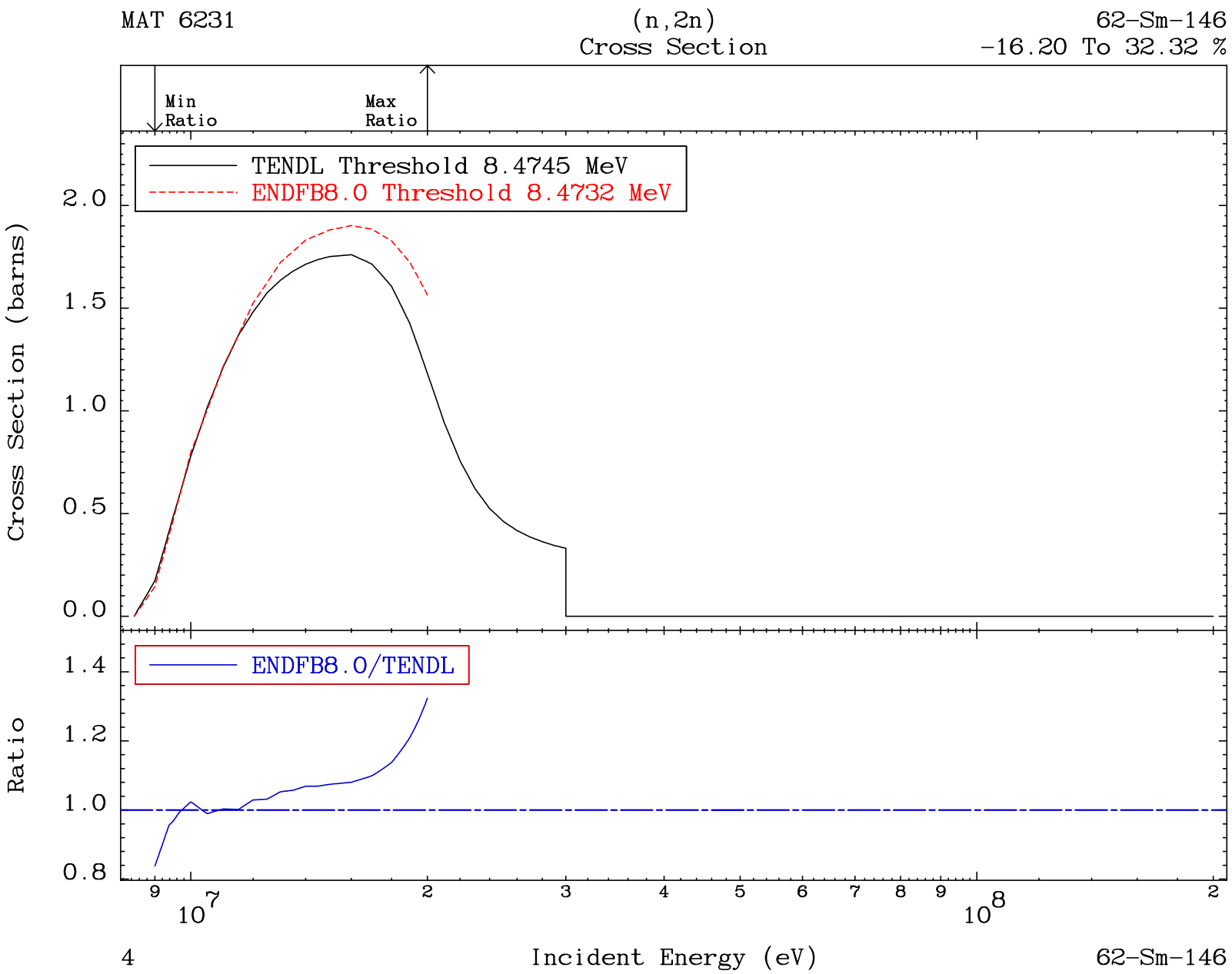
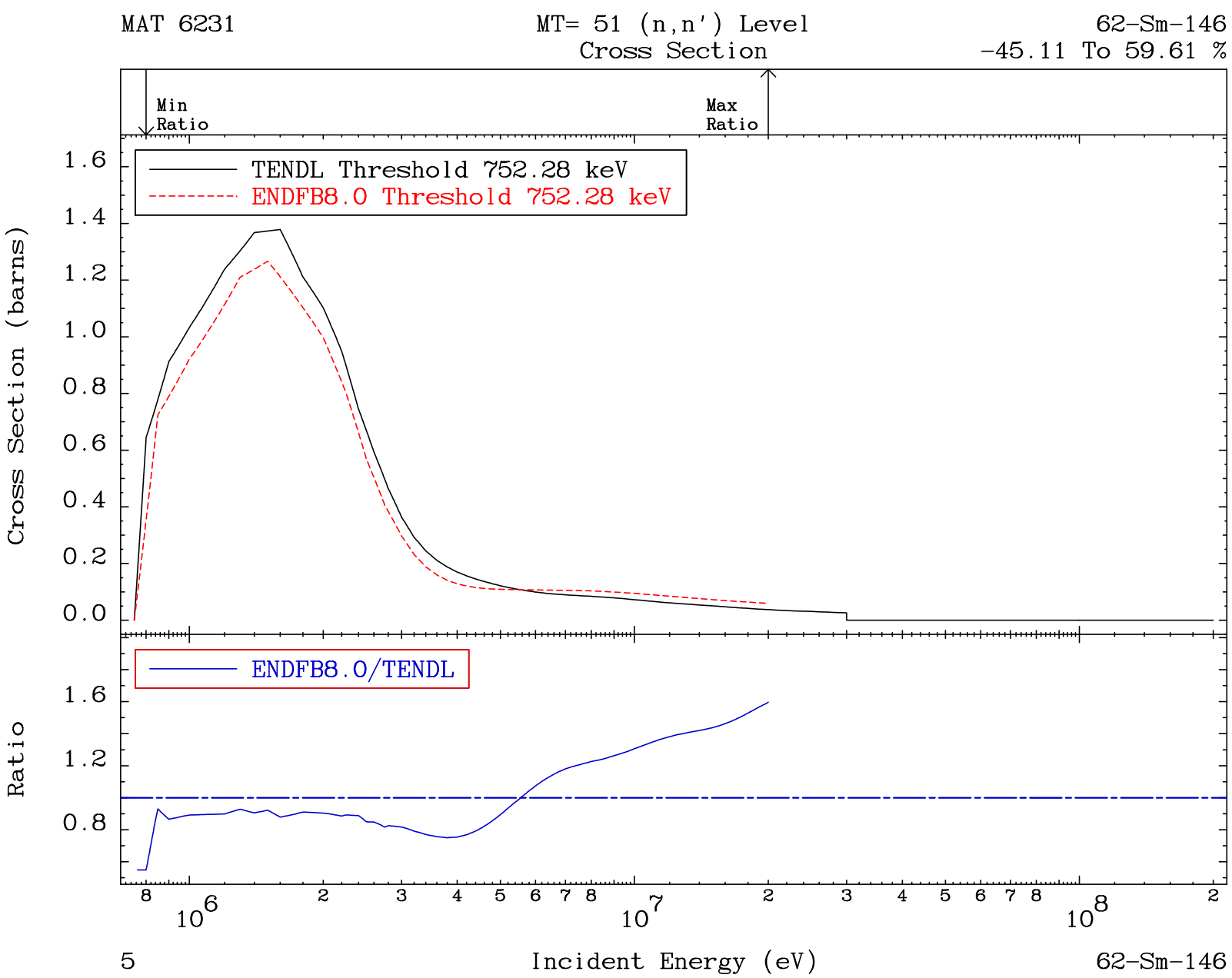
Press Mouse Button to Start

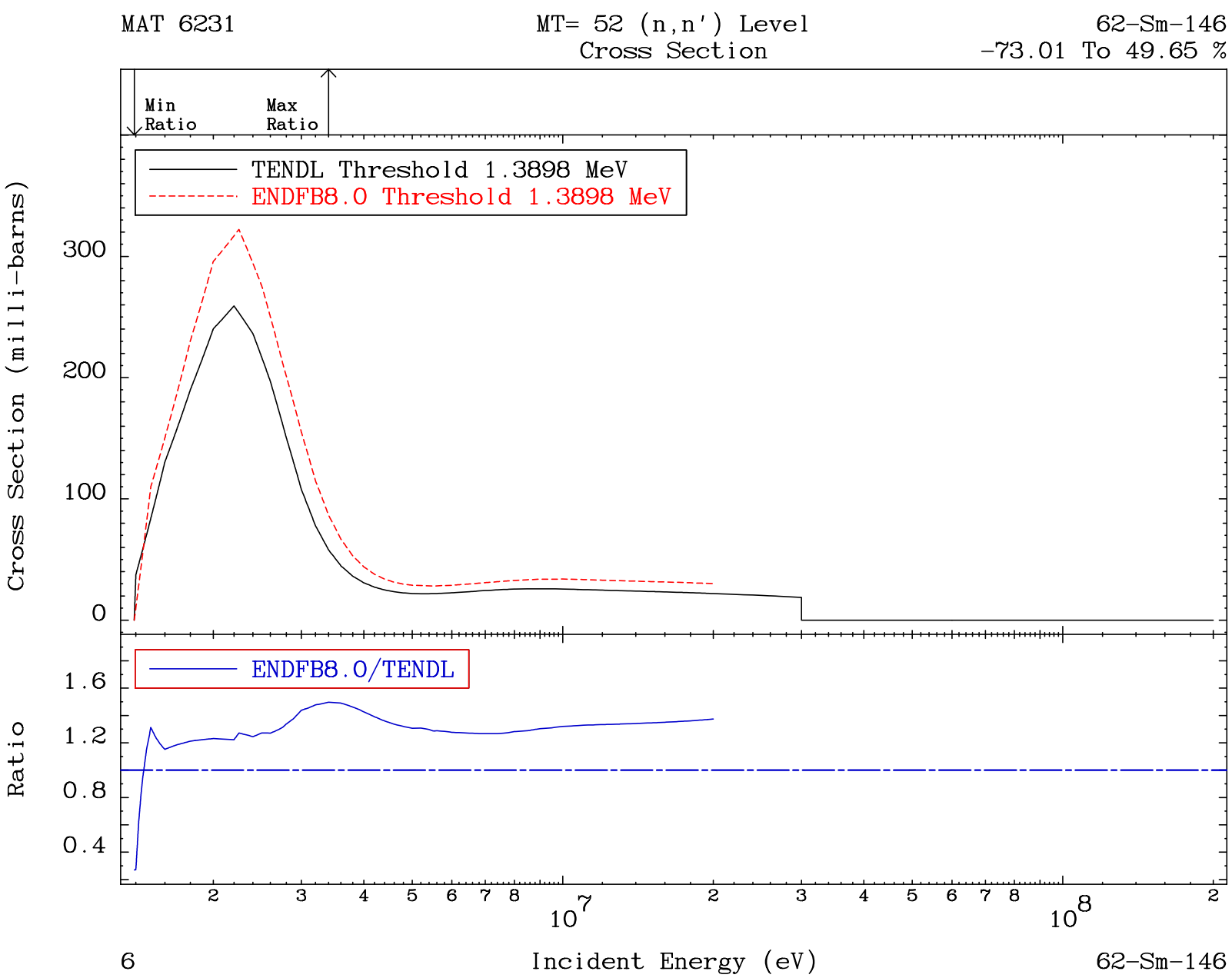

MAT 6231
Total
Cross Section
62-Sm-146
-99.95 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
62-Sm-146

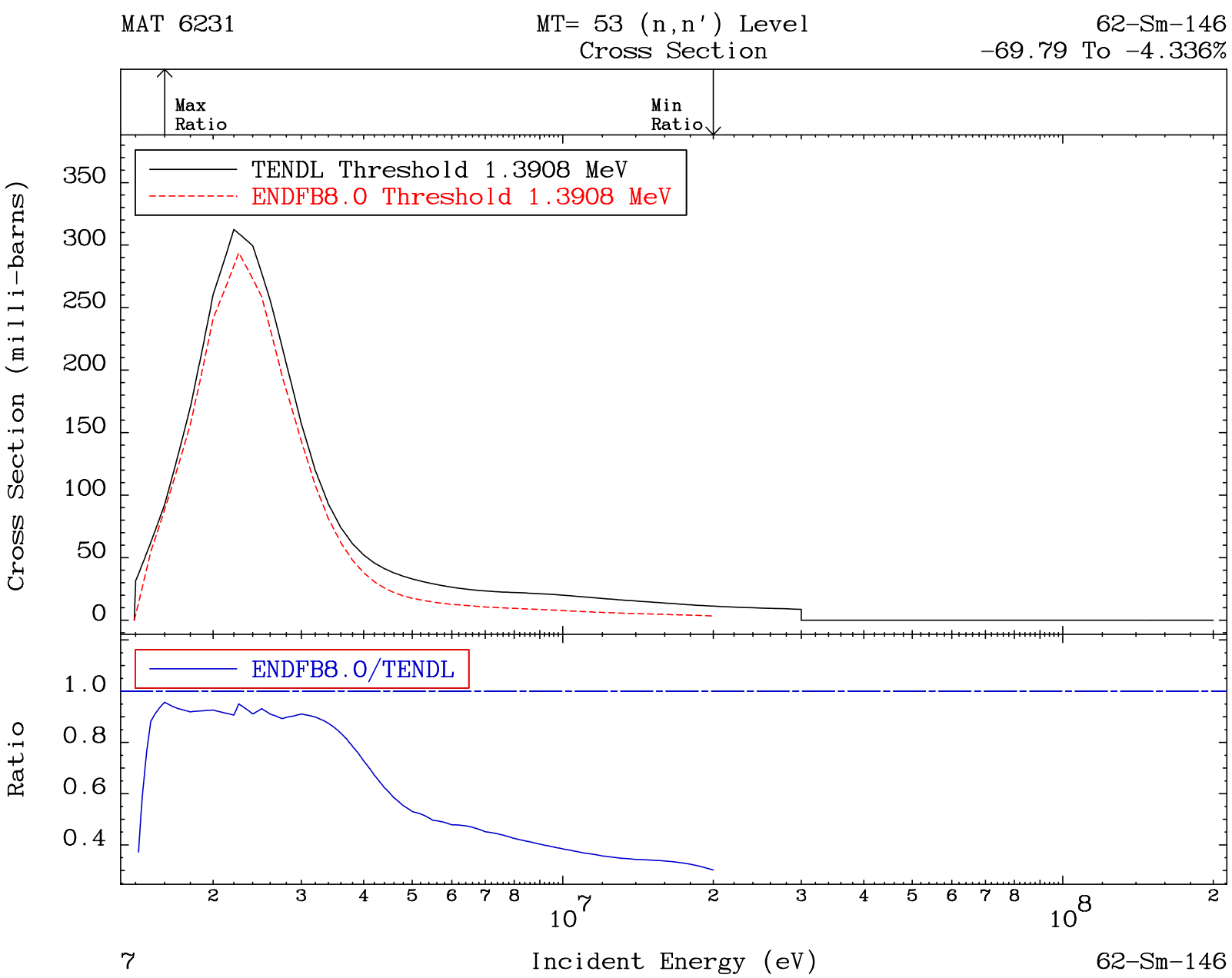

MAT 6231
Elastic
Cross Section
62-Sm-146
-99.95 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
62-Sm-146

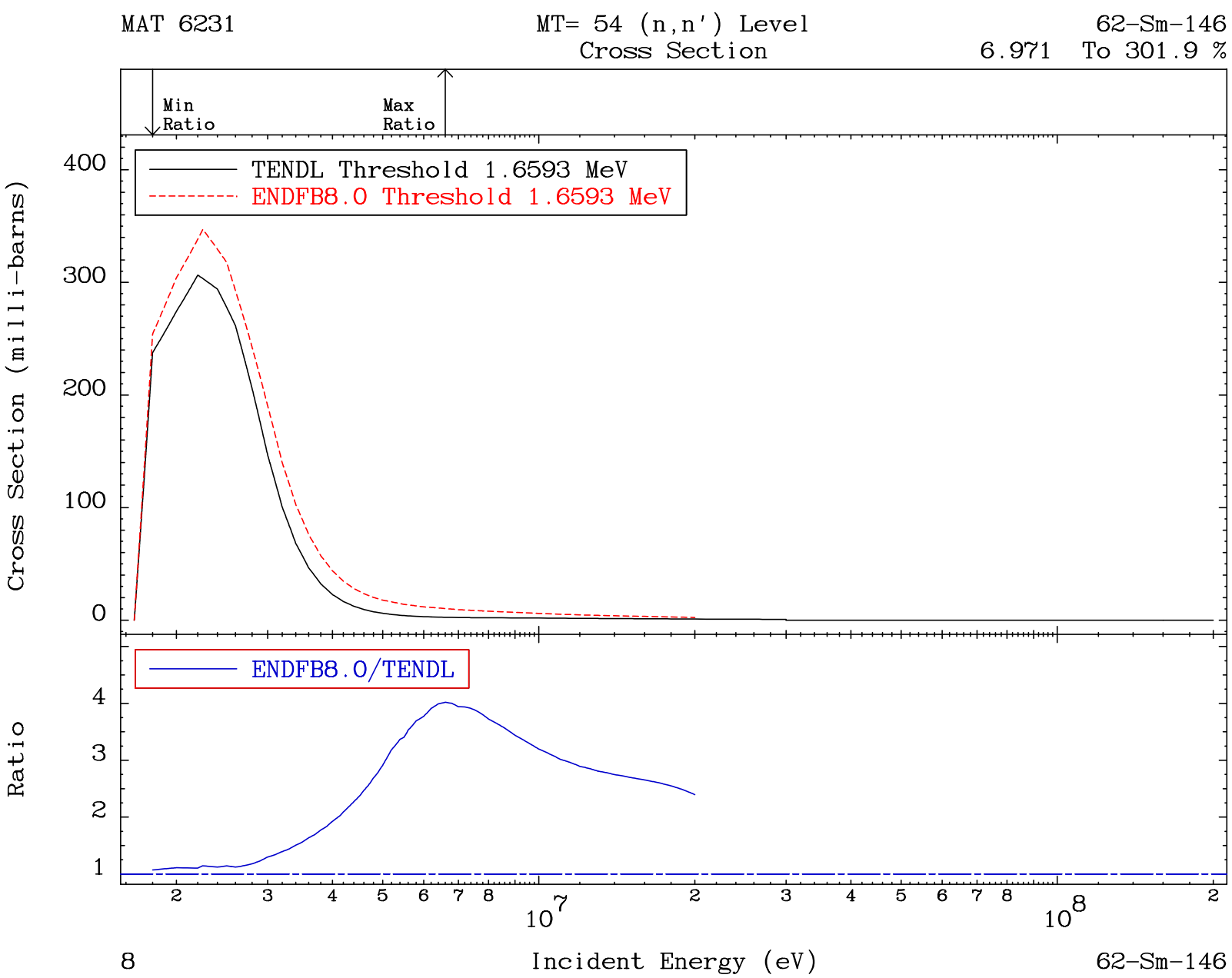

MAT 6231
Inelastic
Cross Section
62-Sm-146
-45.05 To 11.73 %
Min
Ratio
Max
Ratio
TENDL Threshold 752.28 keV
ENDFB8.0 Threshold 693.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
1.0
0.8
0.6
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
62-Sm-146

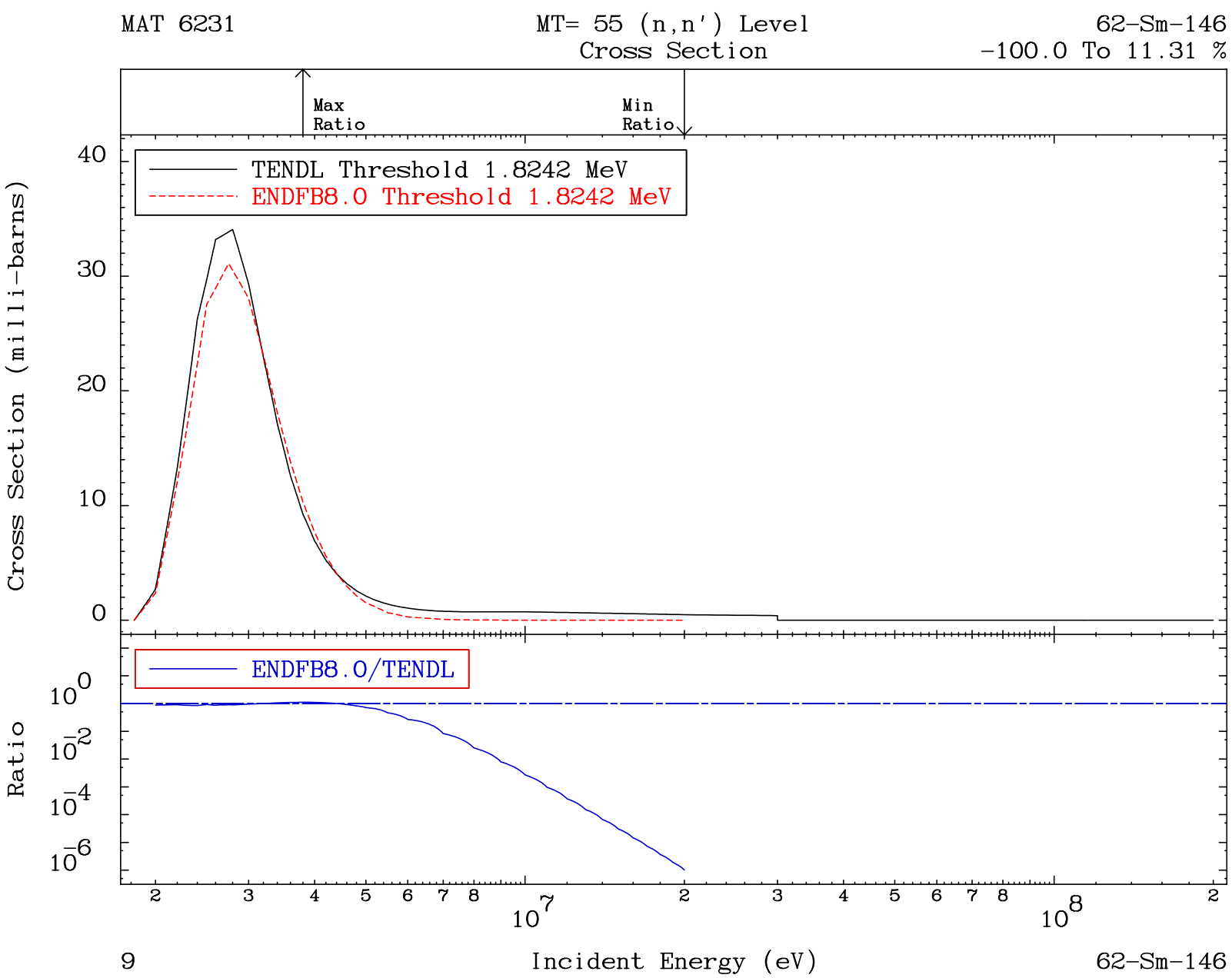

MAT 6231
(n,2n)
Cross Section
62-Sm-146
-16.20 To 32.32 %
Min Ratio
Max Ratio
TENDL Threshold 8.4745 MeV
ENDFB8.0 Threshold 8.4732 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.4
1.2
1.0
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
62-Sm-146

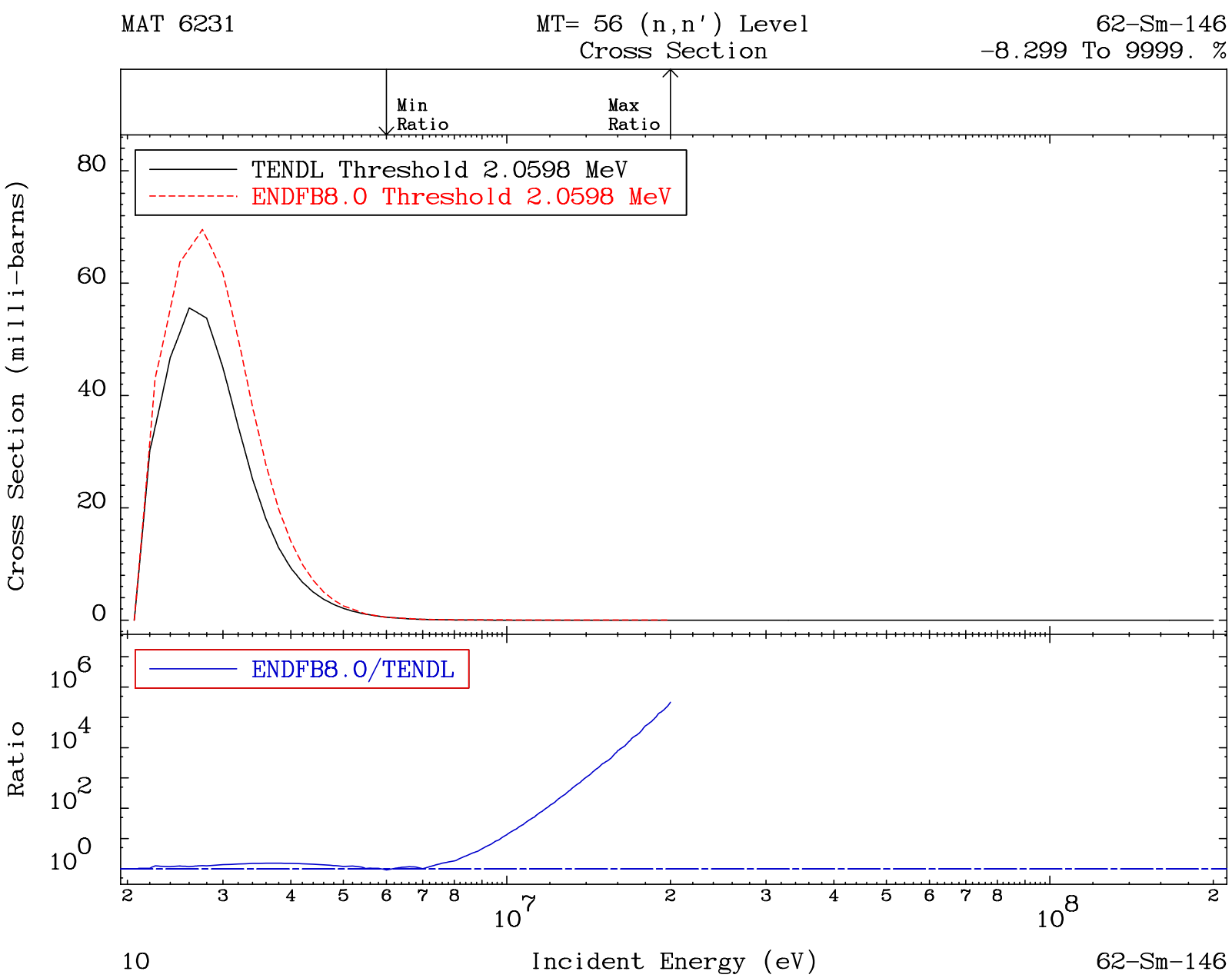

MAT 6231
MT= 51 (n,n') Level
Cross Section
62-Sm-146
-45.11 To 59.61 %
Min
Ratio
Max
Ratio
TENDL Threshold 752.28 keV
ENDFB8.0 Threshold 752.28 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
62-Sm-146

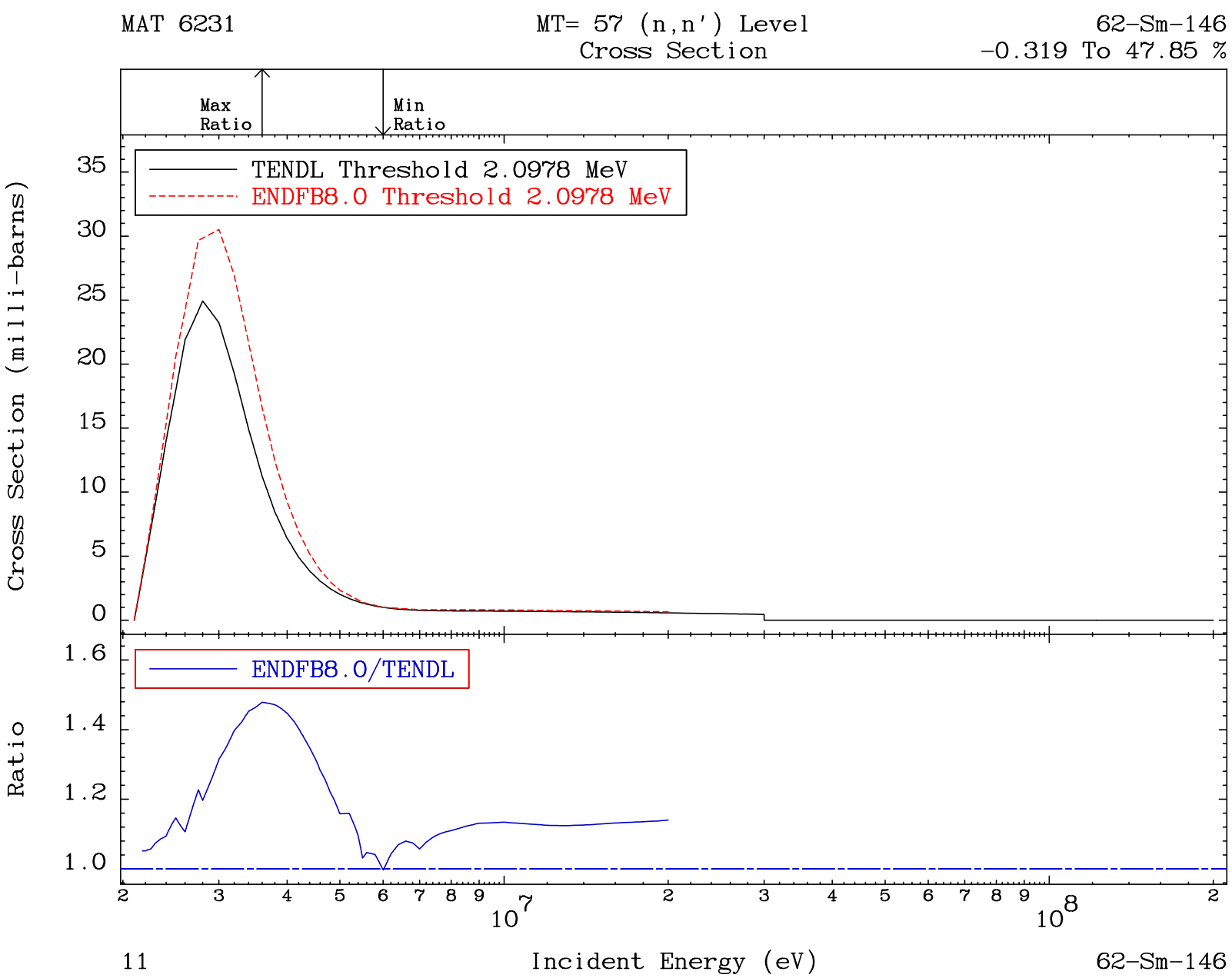

MAT 6231
MT= 52 (n,n') Level
Cross Section
62-Sm-146
-73.01 To 49.65 %
Min Ratio
Max Ratio
TENDL Threshold 1.3898 MeV
ENDFB8.0 Threshold 1.3898 MeV
Cross Section (milli-barns)
300
200
100
0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
62-Sm-146

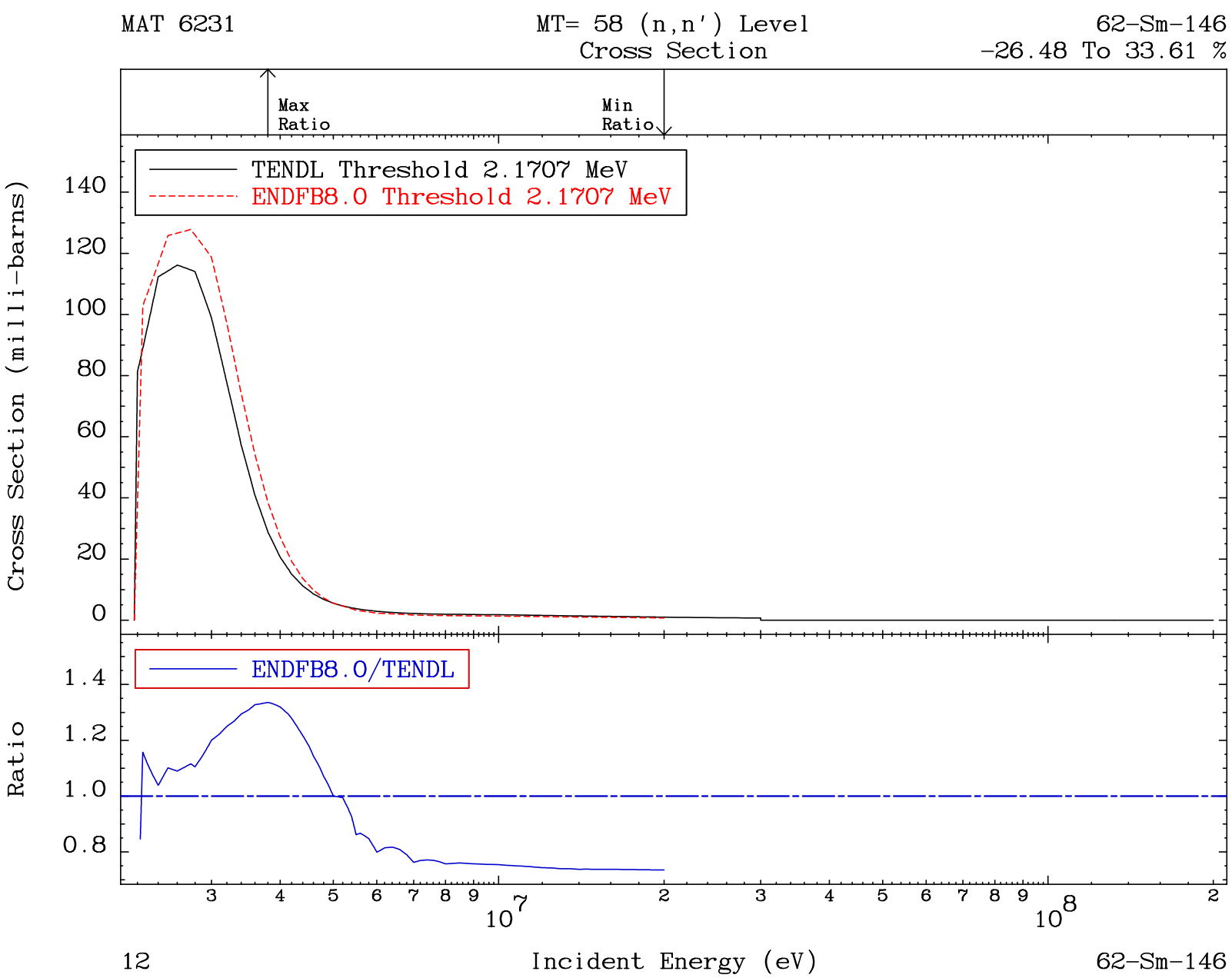

MAT 6231
MT= 53 (n,n') Level
Cross Section
62-Sm-146
-69.79 To -4.336%
Max
Ratio
Min
Ratio
TENDL Threshold 1.3908 MeV
ENDFB8.0 Threshold 1.3908 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
10^7
10^8
7
Incident Energy (eV)
62-Sm-146

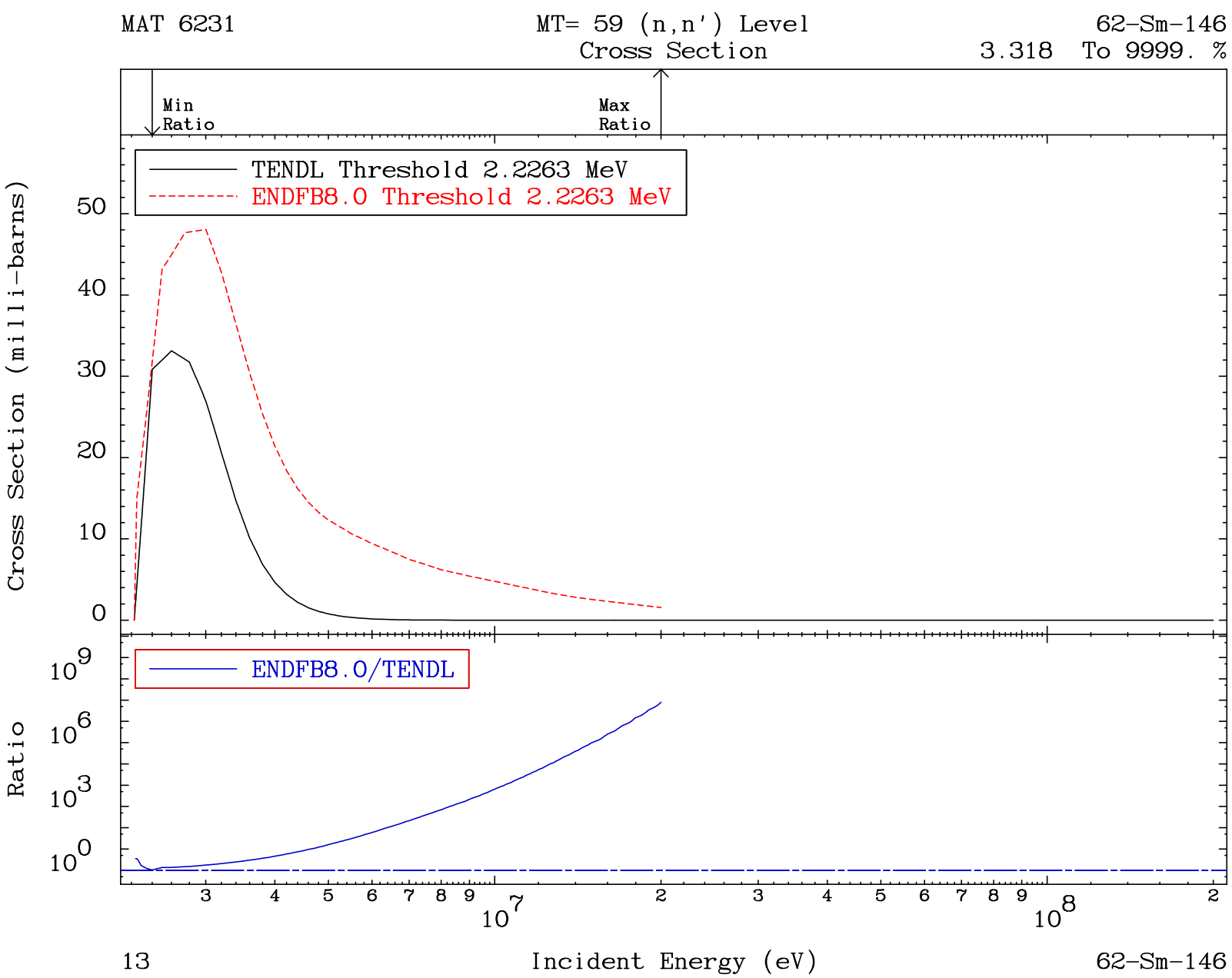

MAT 6231
MT= 54 (n,n') Level
Cross Section
62-Sm-146
6.971 To 301.9 %
Min Ratio
Max Ratio
TENDL Threshold 1.6593 MeV
ENDFB8.0 Threshold 1.6593 MeV
Cross Section (milli-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
4
3
2
1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
62-Sm-146

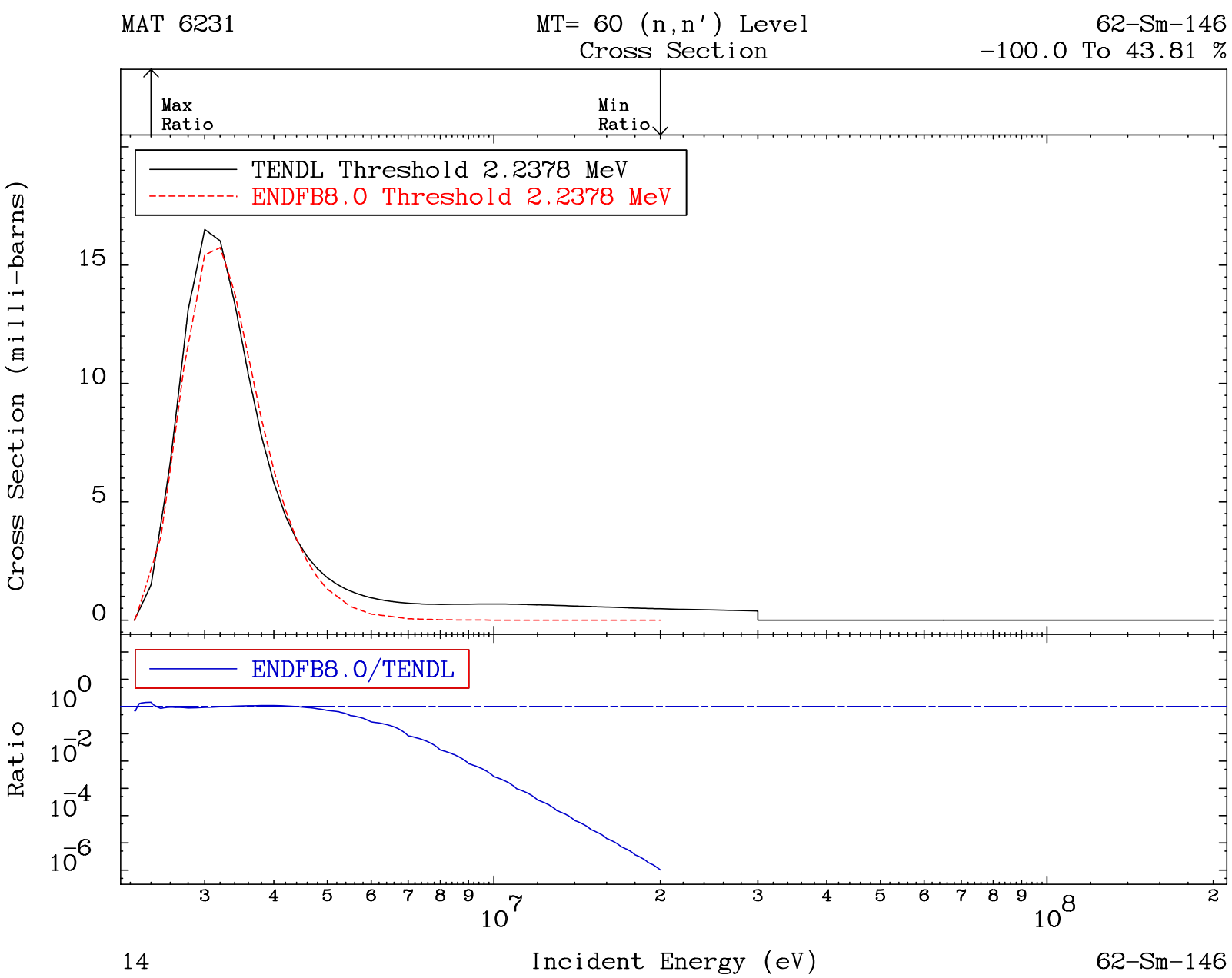

MAT 6231
MT= 55 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 11.31 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8242 MeV
ENDFB8.0 Threshold 1.8242 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
62-Sm-146

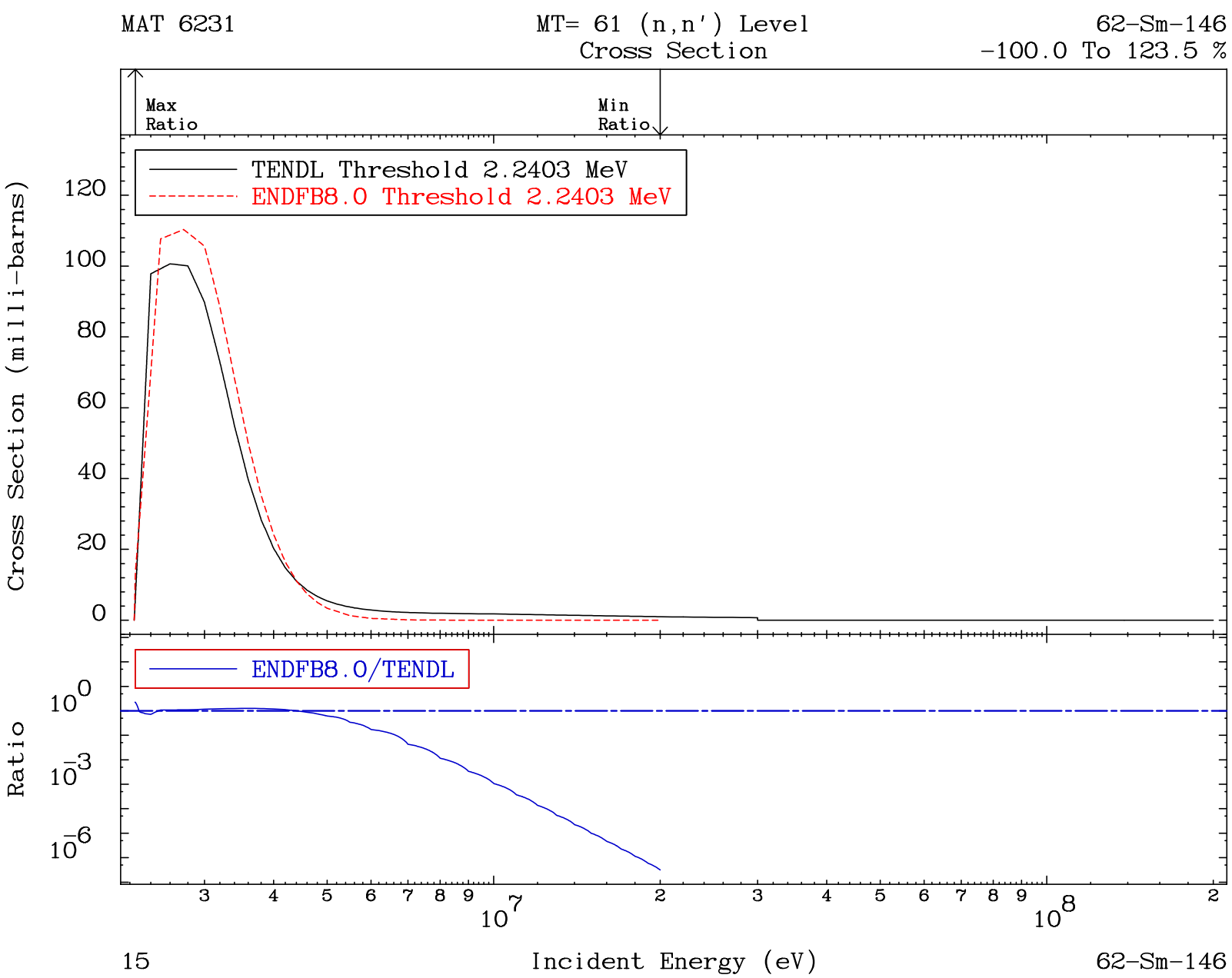

MAT 6231
MT= 56 (n,n') Level
Cross Section
62-Sm-146
-8.299 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0598 MeV
ENDFB8.0 Threshold 2.0598 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
62-Sm-146

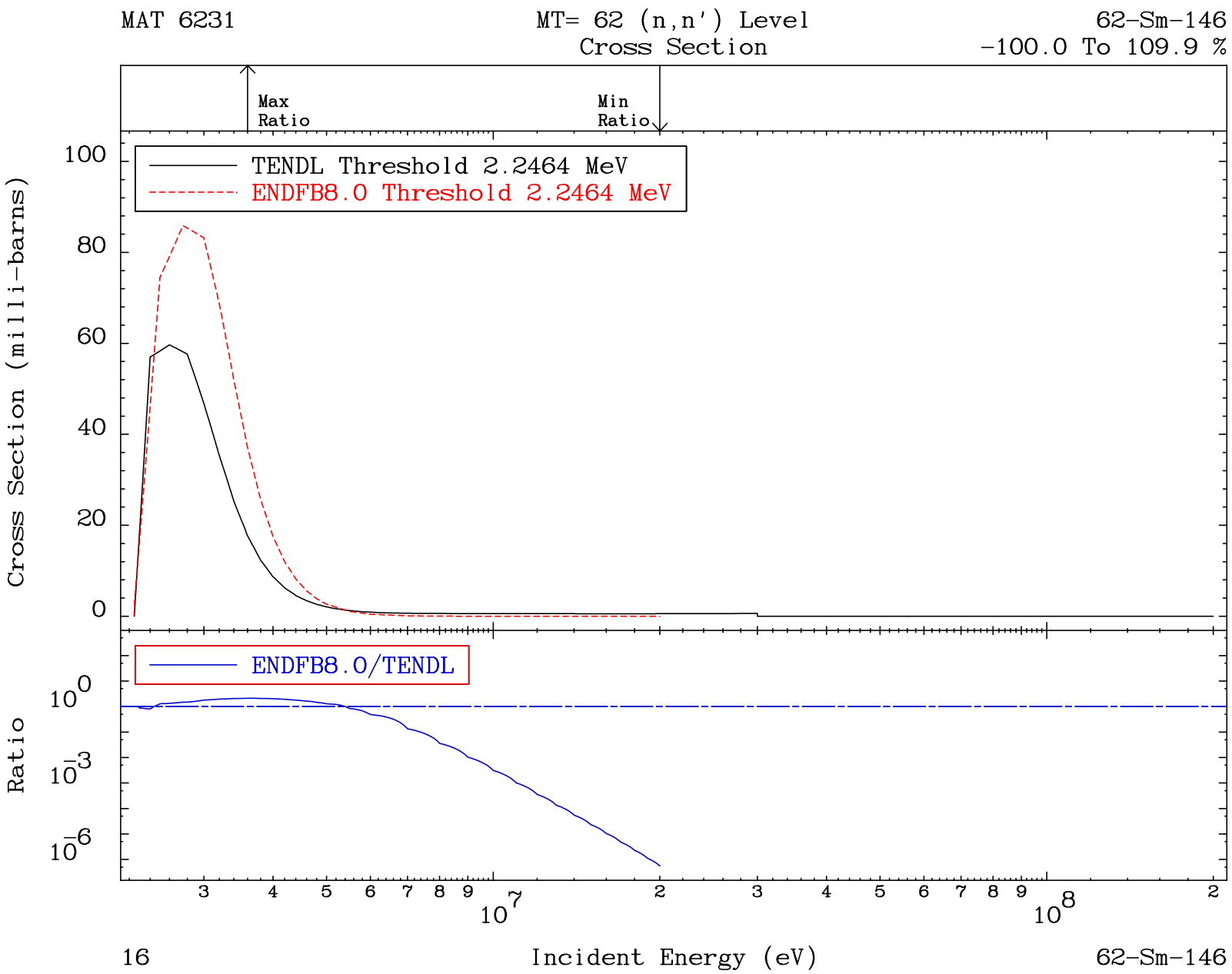

MAT 6231
MT= 57 (n,n') Level
Cross Section
62-Sm-146
-0.319 To 47.85 %
Max Ratio
Min Ratio
TENDL Threshold 2.0978 MeV
ENDFB8.0 Threshold 2.0978 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.6
1.4
1.2
1.0
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
62-Sm-146

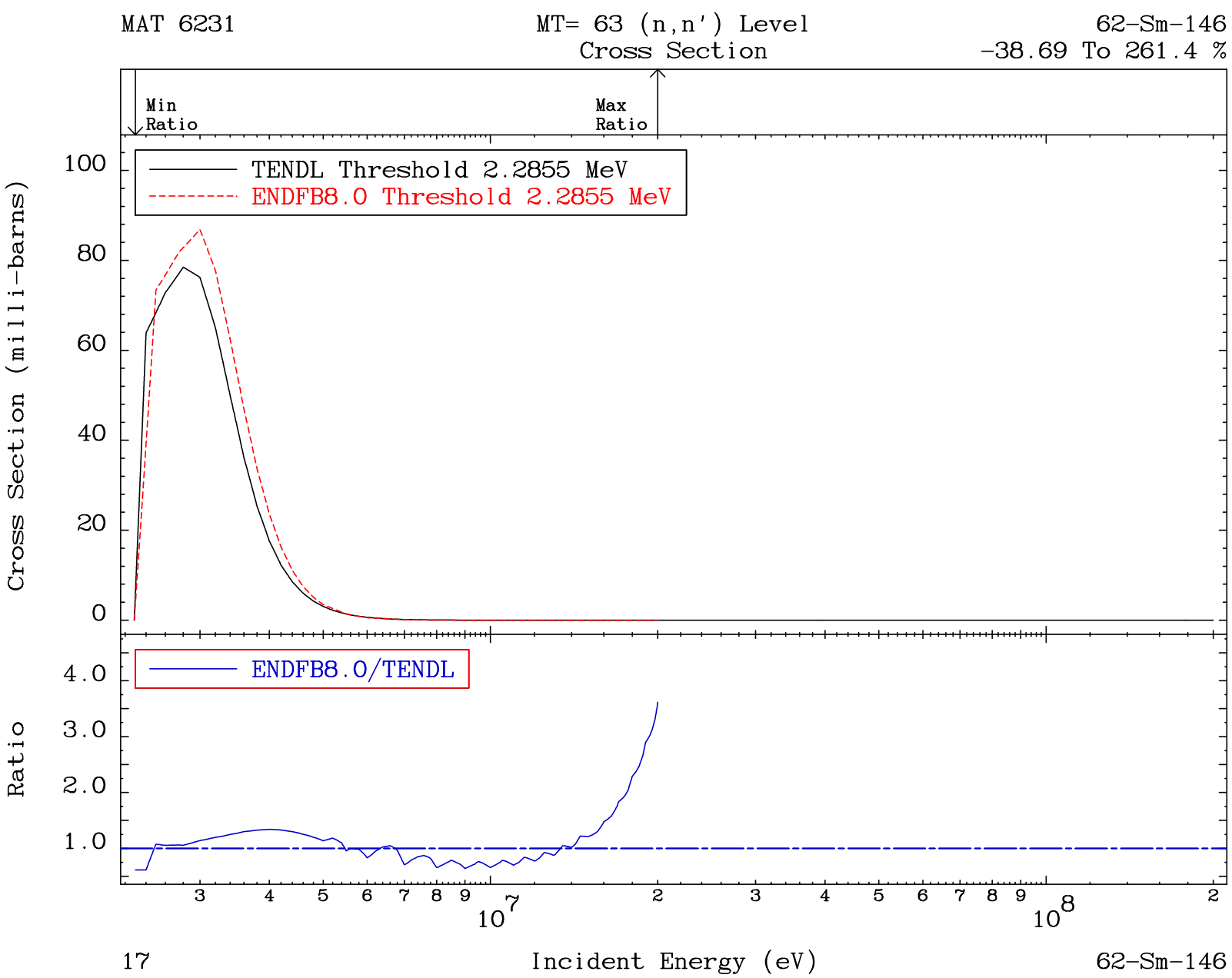

MAT 6231
MT= 58 (n,n') Level
Cross Section
62-Sm-146
-26.48 To 33.61 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1707 MeV
ENDFB8.0 Threshold 2.1707 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.4
1.2
1.0
0.8
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
62-Sm-146

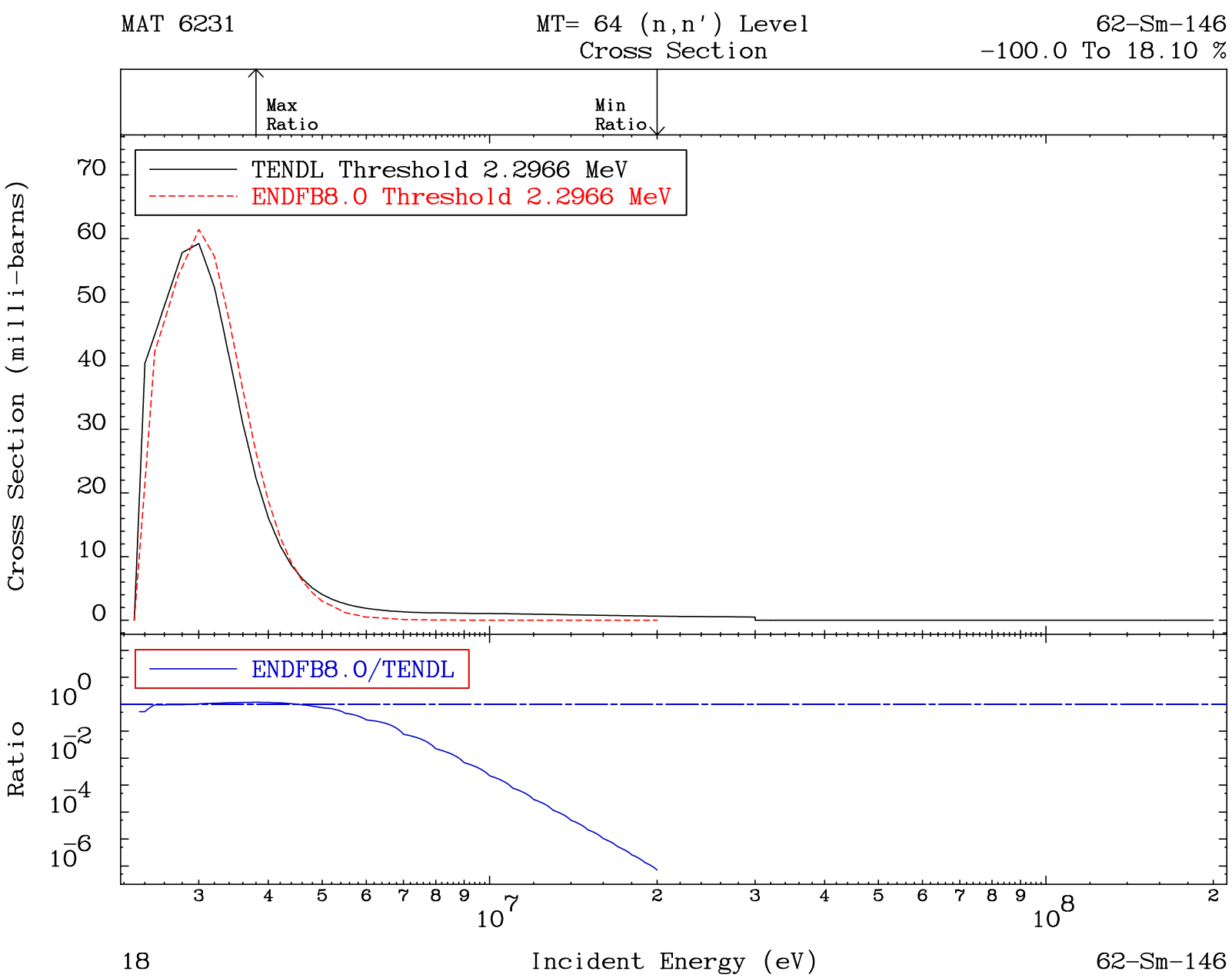

MAT 6231
MT= 59 (n,n') Level
Cross Section
62-Sm-146
3.318 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2263 MeV
ENDFB8.0 Threshold 2.2263 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
62-Sm-146

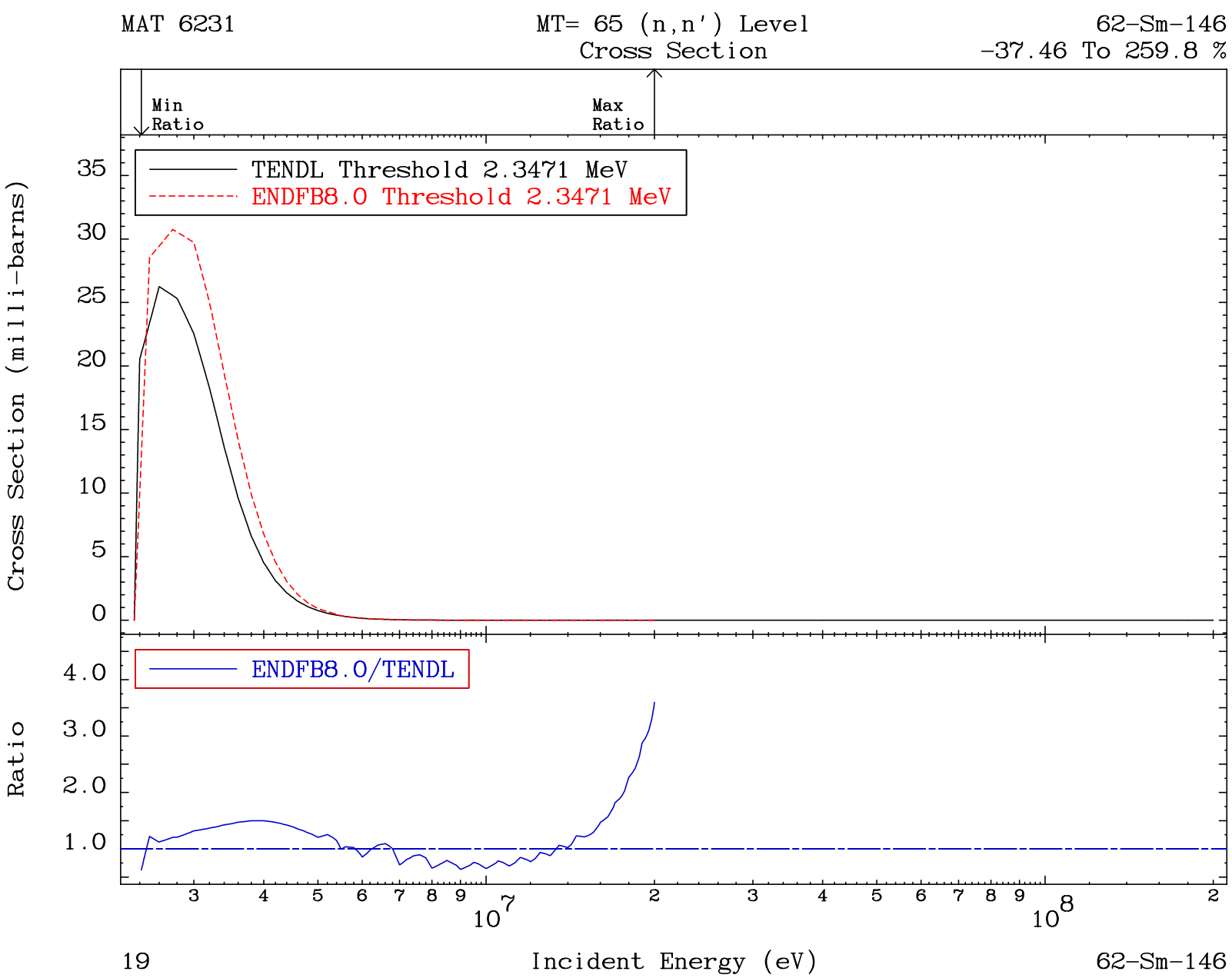

MAT 6231
MT= 60 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 43.81 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2378 MeV
ENDFB8.0 Threshold 2.2378 MeV
Cross Section (milli-barns)
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
14
Incident Energy (eV)
62-Sm-146

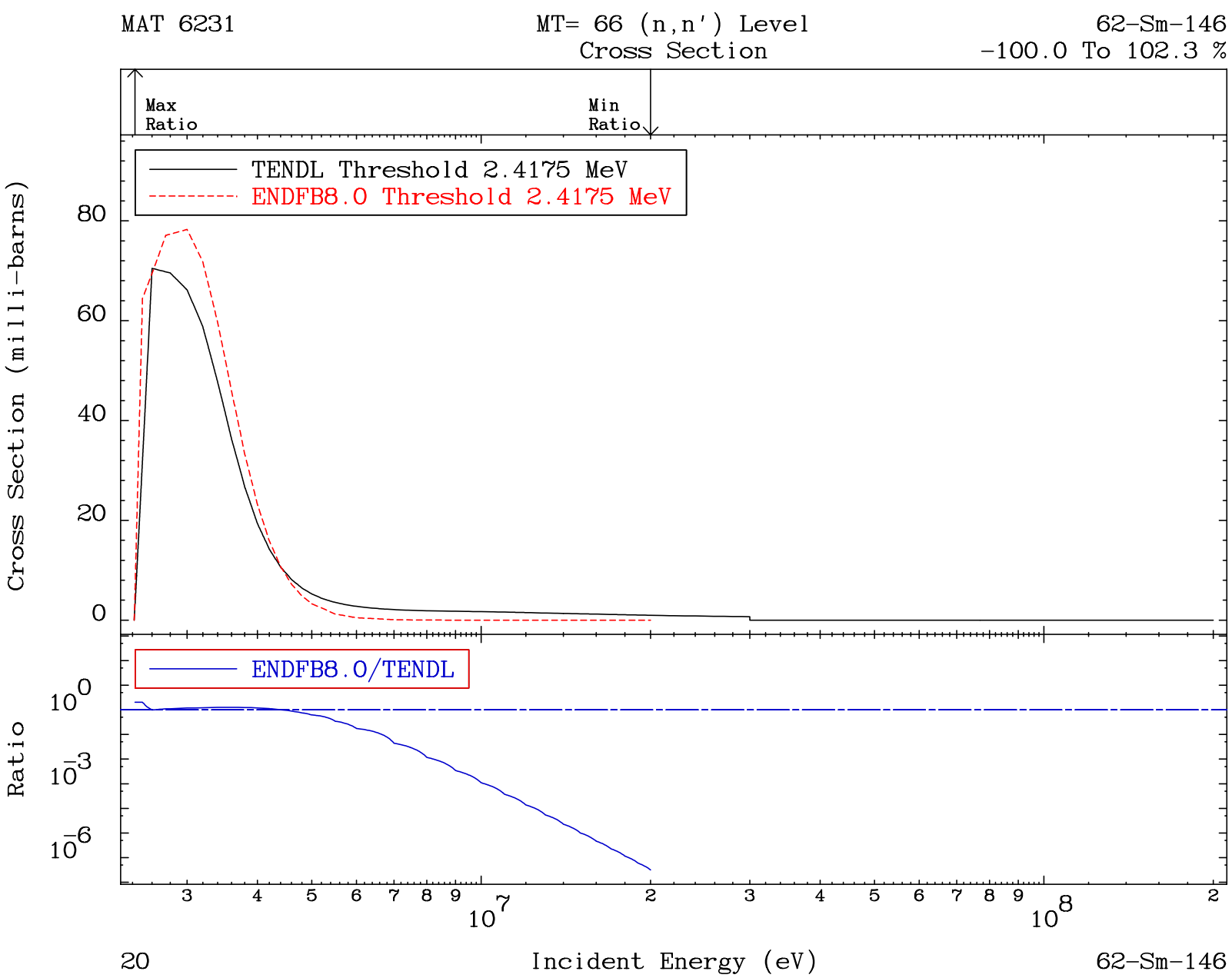

MAT 6231
MT= 61 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 123.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2403 MeV
ENDFB8.0 Threshold 2.2403 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
62-Sm-146

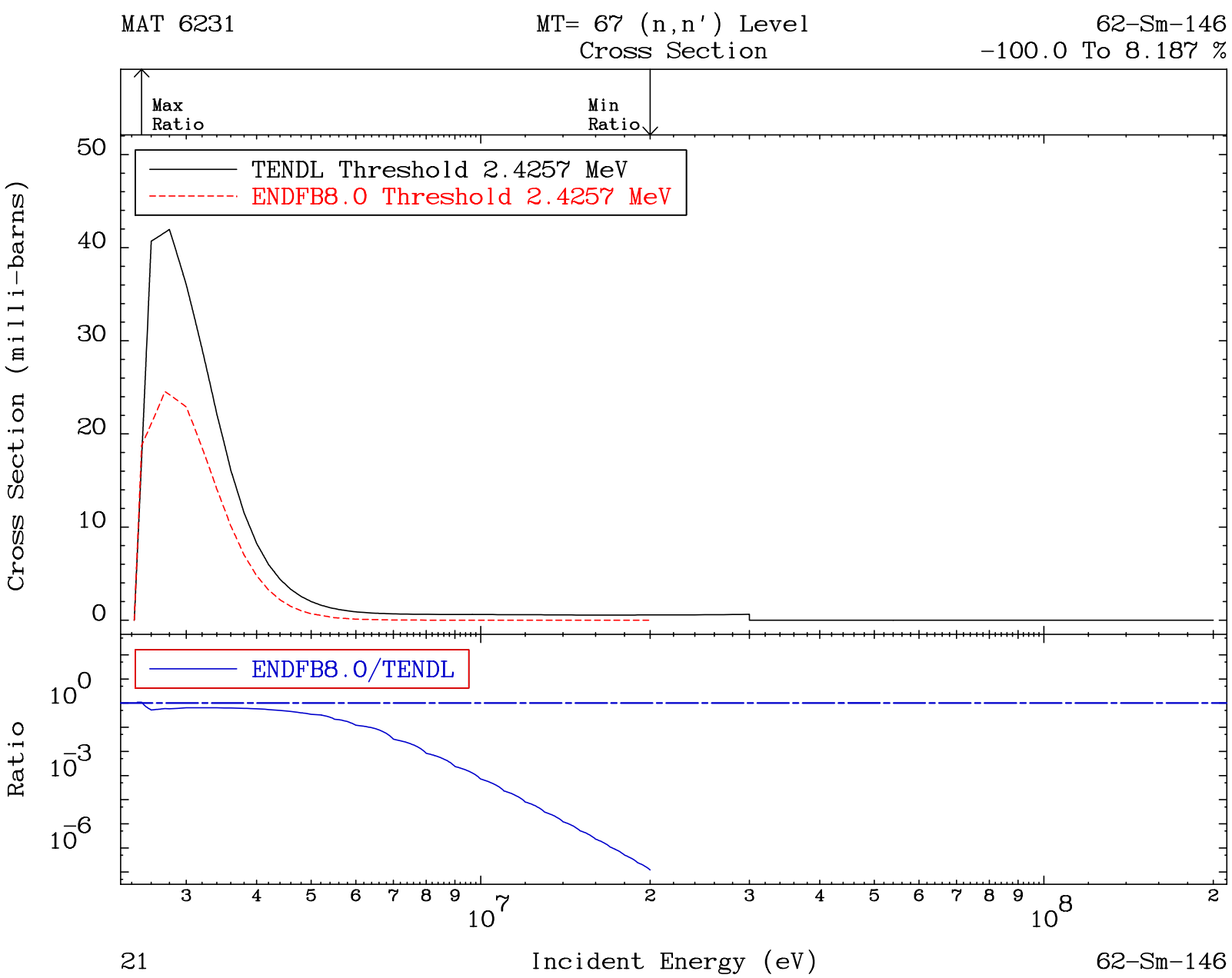

MAT 6231
MT= 62 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 109.9 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2464 MeV
ENDFB8.0 Threshold 2.2464 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
62-Sm-146

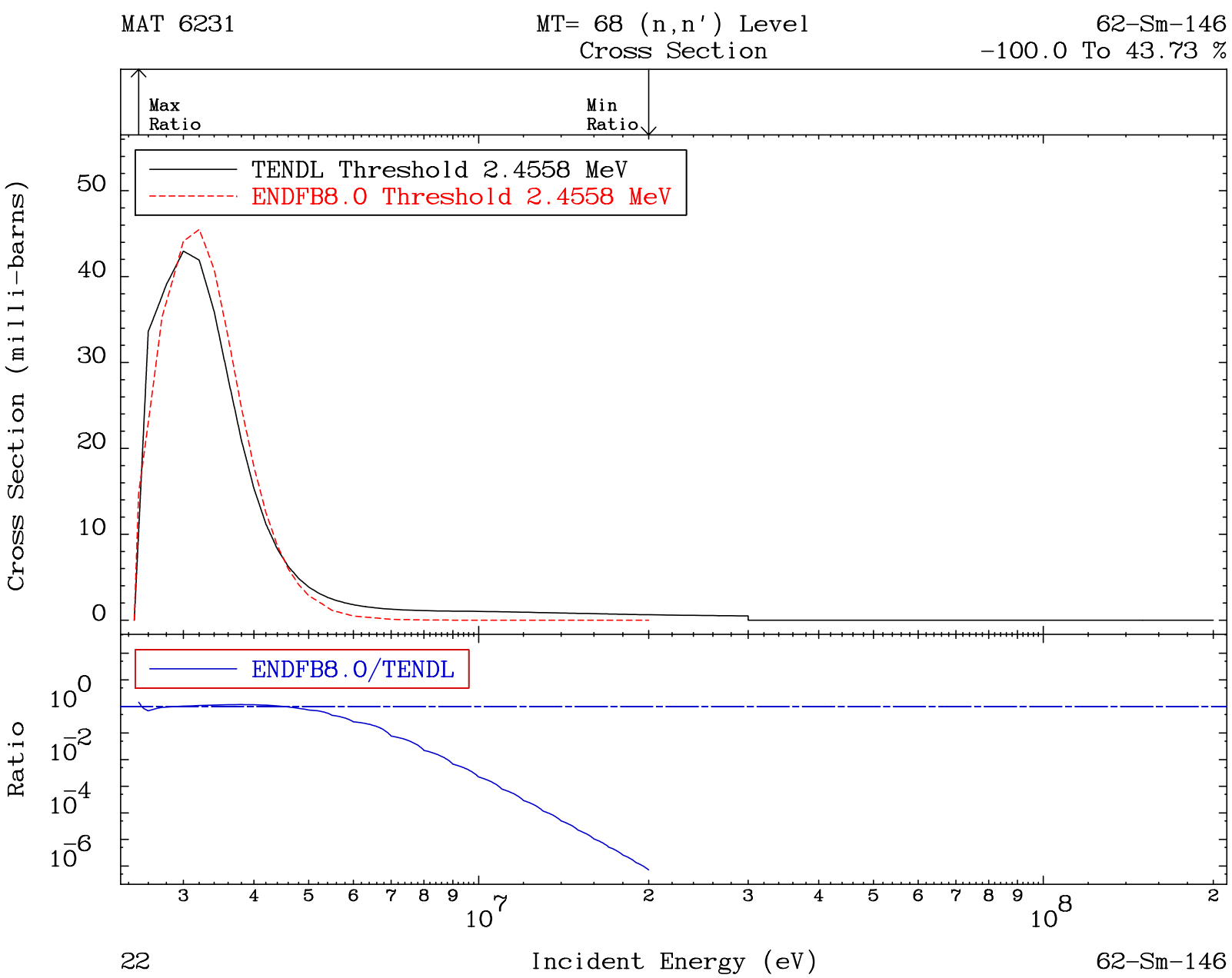

MAT 6231
MT= 63 (n,n') Level
Cross Section
62-Sm-146
-38.69 To 261.4 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.2855 MeV
ENDFB8.0 Threshold 2.2855 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
4.0
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
62-Sm-146

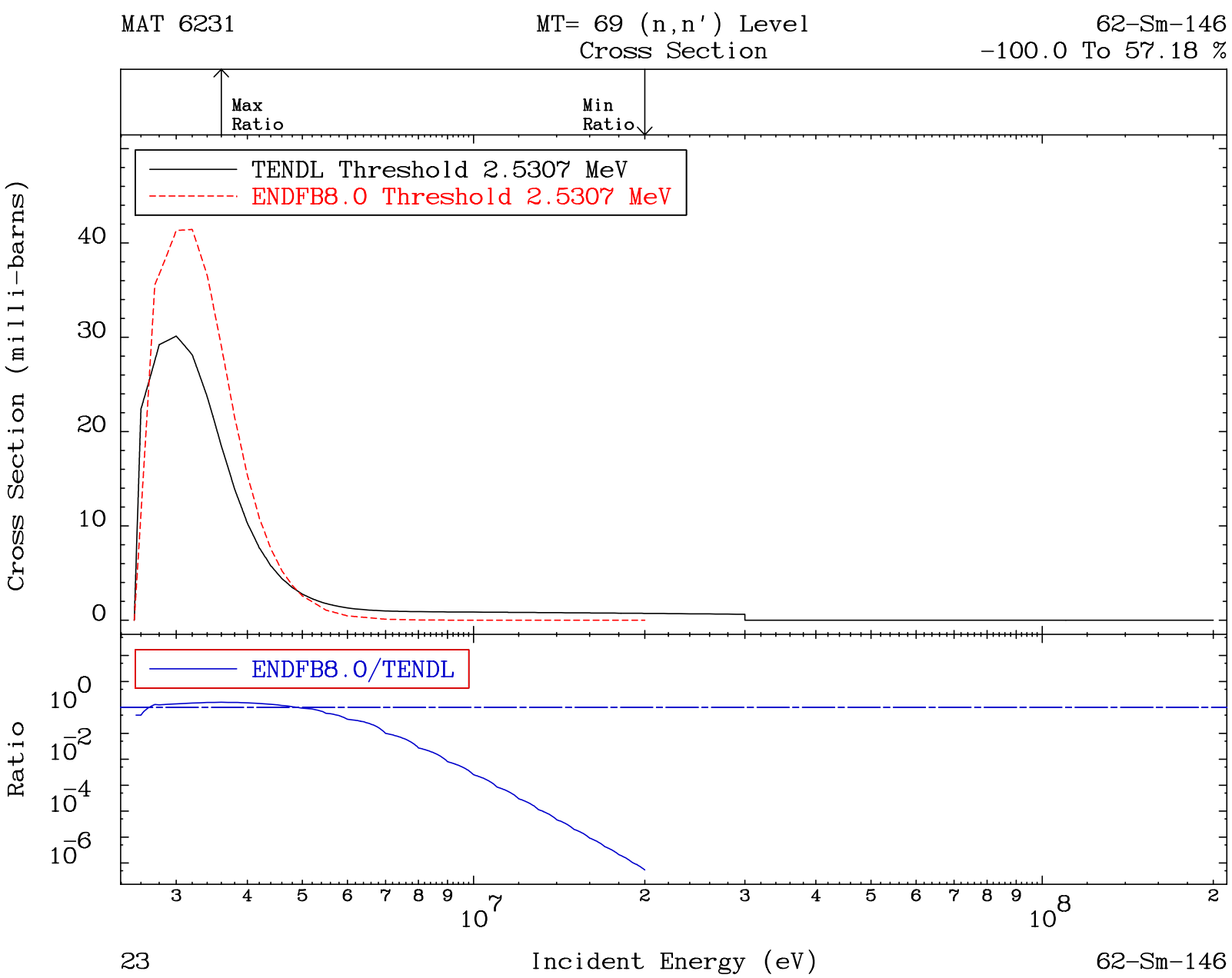

MAT 6231
MT= 64 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 18.10 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2966 MeV
ENDFB8.0 Threshold 2.2966 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
62-Sm-146

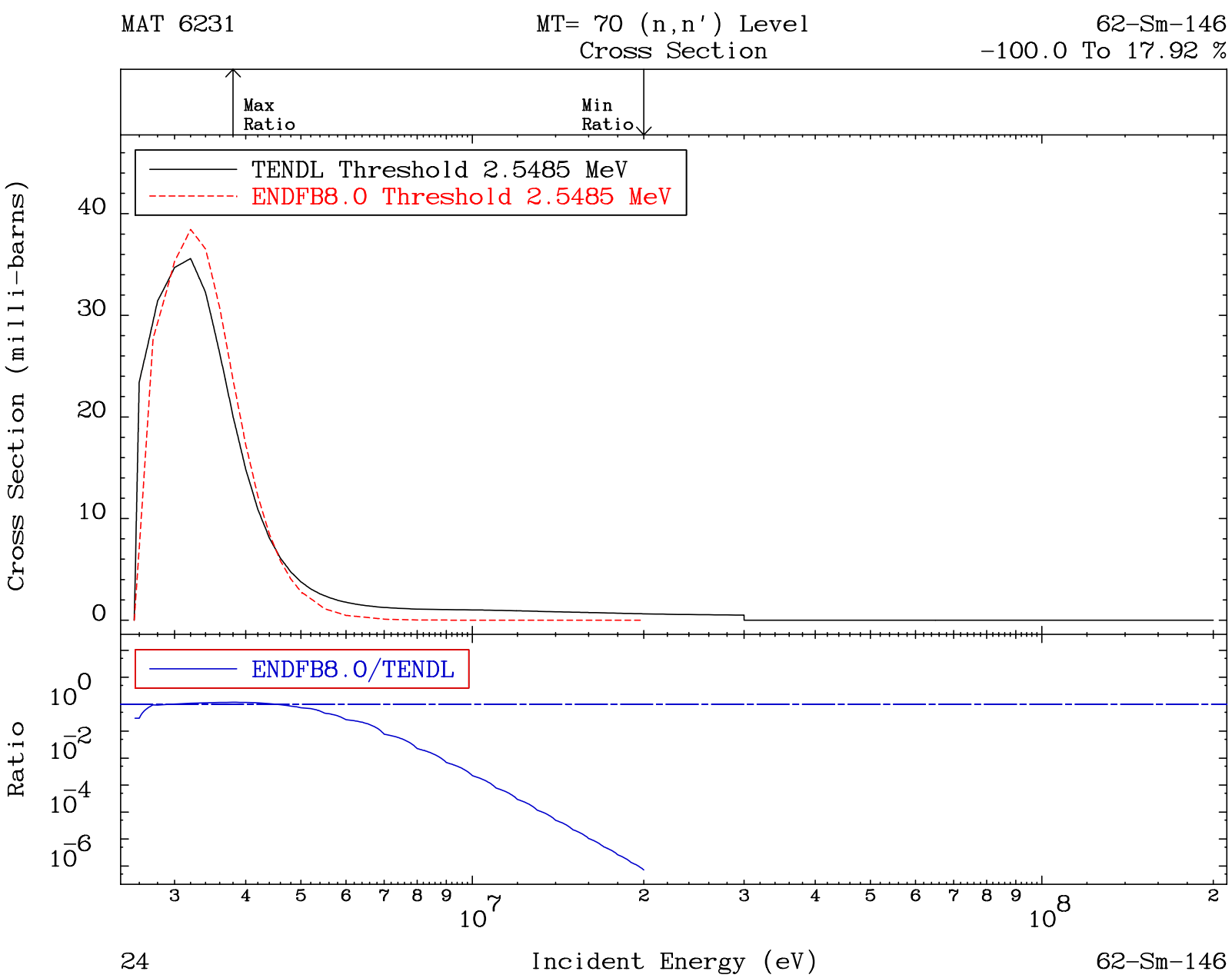

MAT 6231
MT= 65 (n,n') Level
Cross Section
62-Sm-146
-37.46 To 259.8 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3471 MeV
ENDFB8.0 Threshold 2.3471 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
4.0
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
62-Sm-146

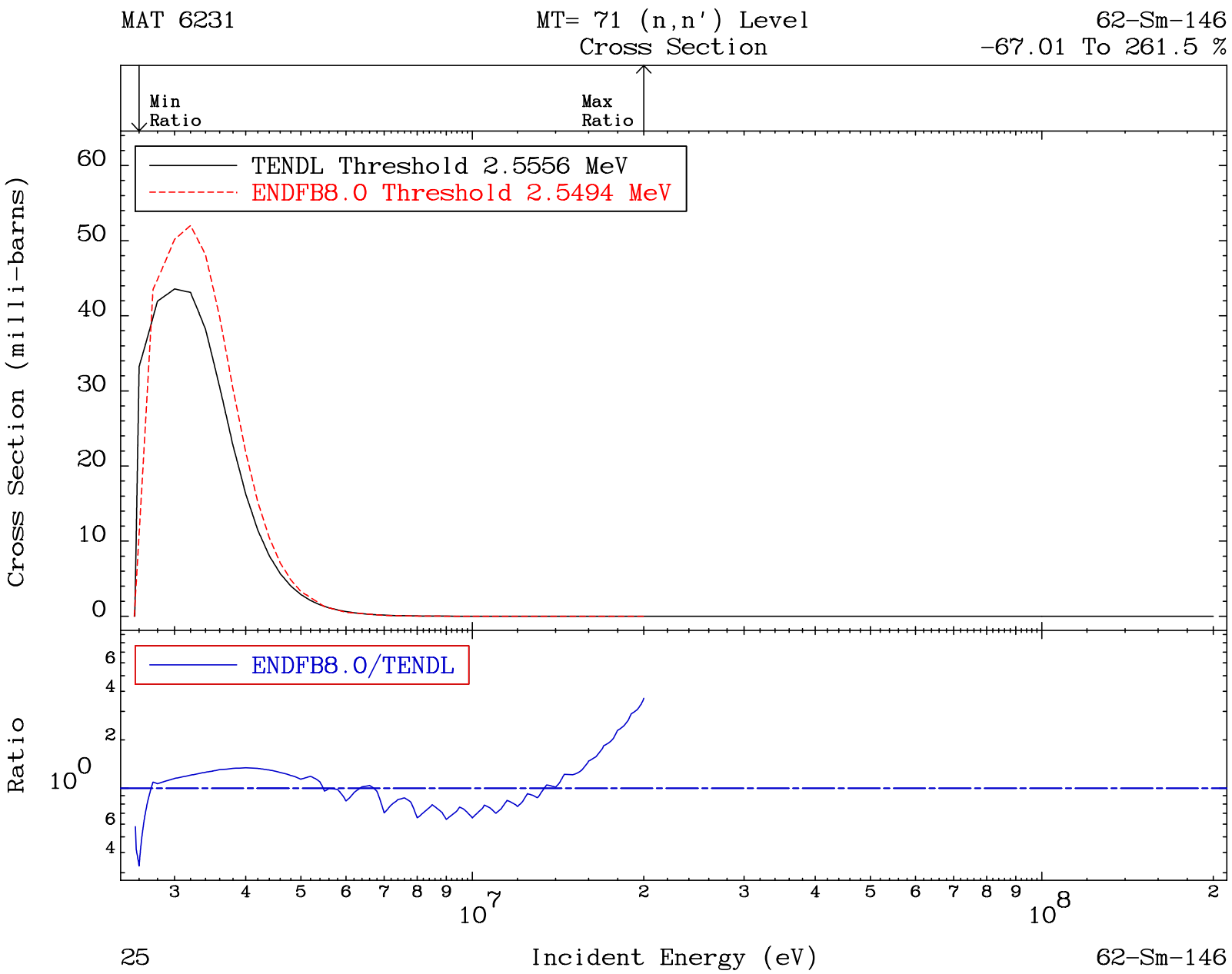

MAT 6231
MT= 66 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 102.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.4175 MeV
ENDFB8.0 Threshold 2.4175 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
20
Incident Energy (eV)
62-Sm-146

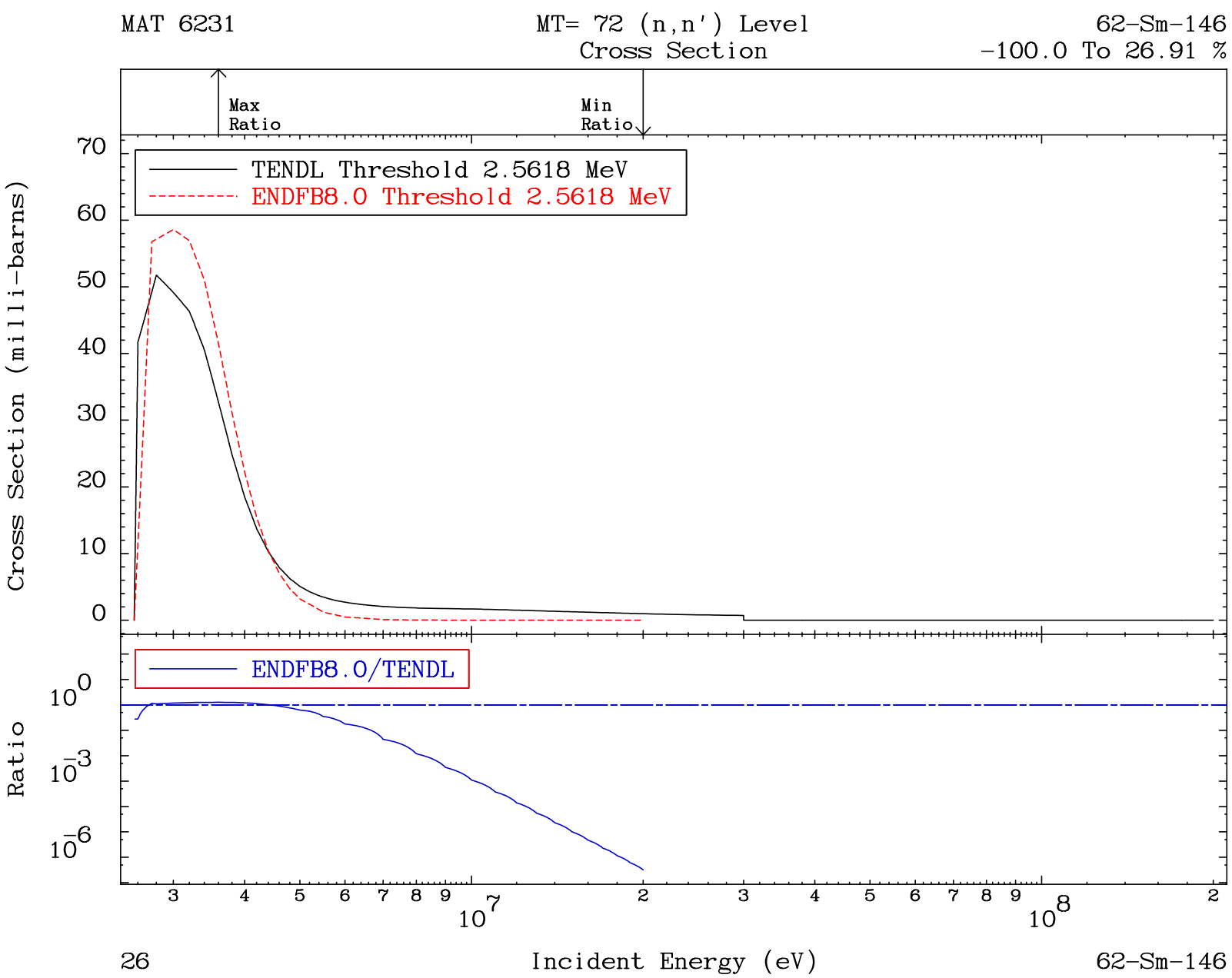

MAT 6231
MT= 67 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 8.187 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.4257 MeV
ENDFB8.0 Threshold 2.4257 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
62-Sm-146

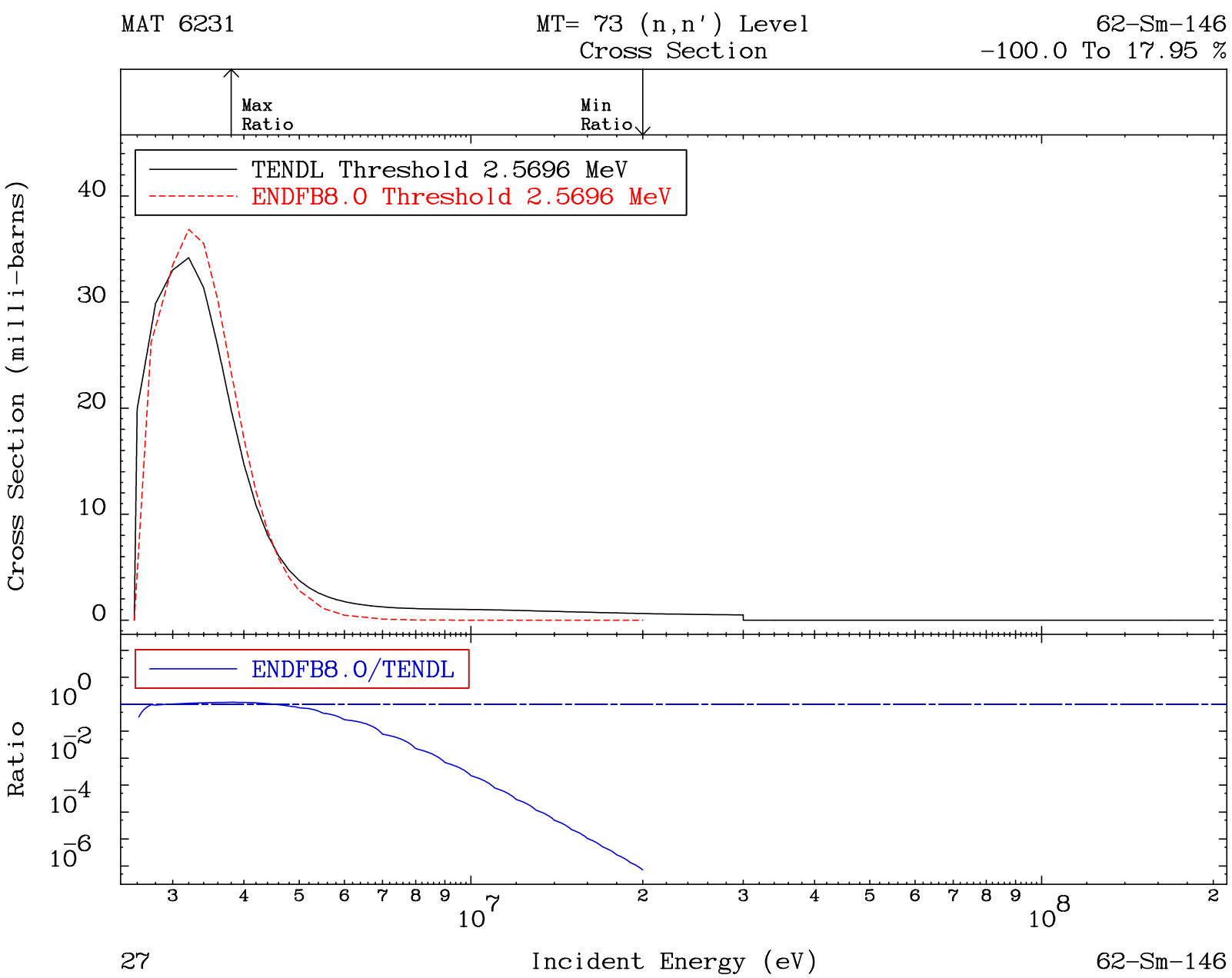

MAT 6231
MT= 68 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 43.73 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.4558 MeV
ENDFB8.0 Threshold 2.4558 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
62-Sm-146

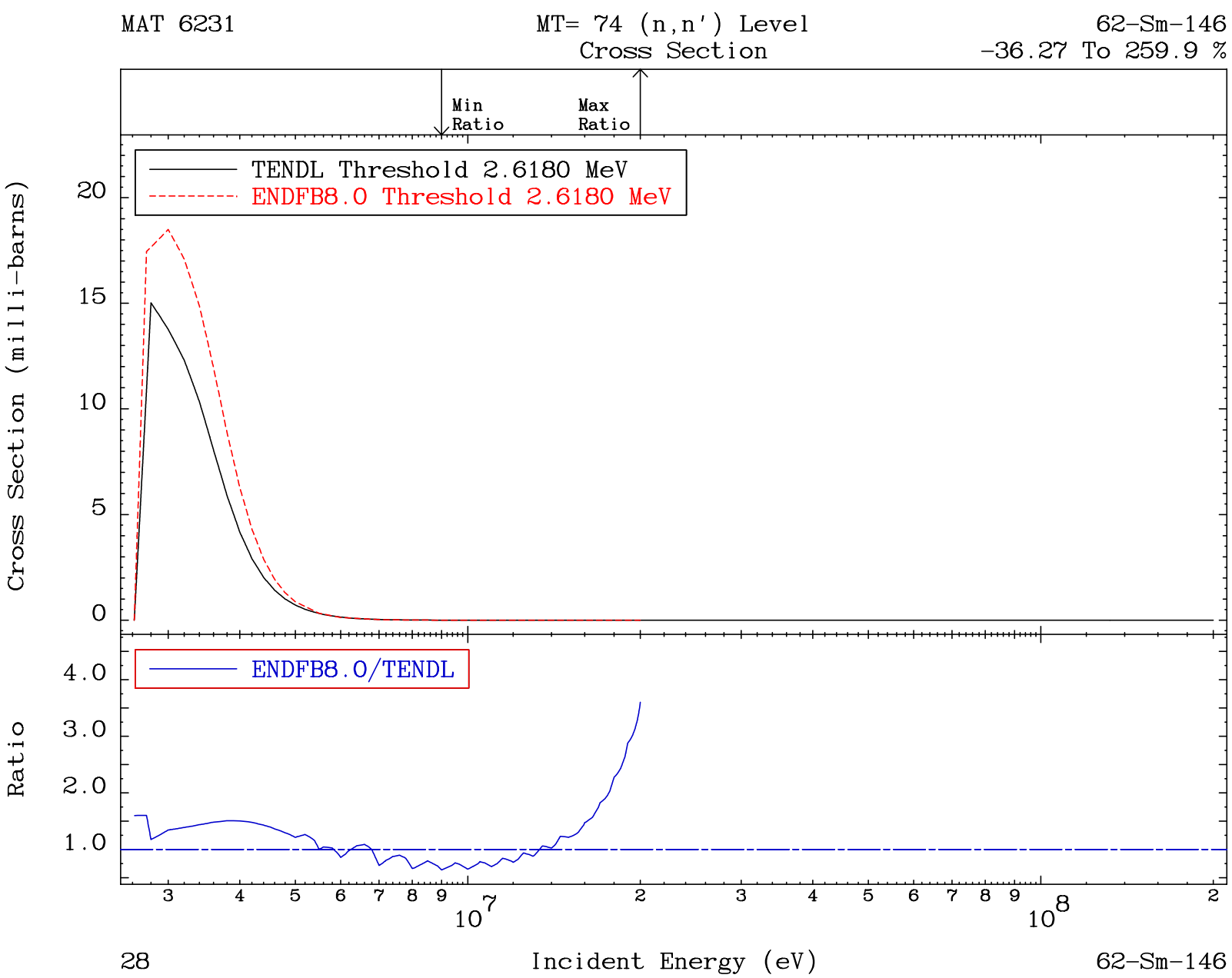

MAT 6231
MT= 69 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 57.18 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5307 MeV
ENDFB8.0 Threshold 2.5307 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
62-Sm-146

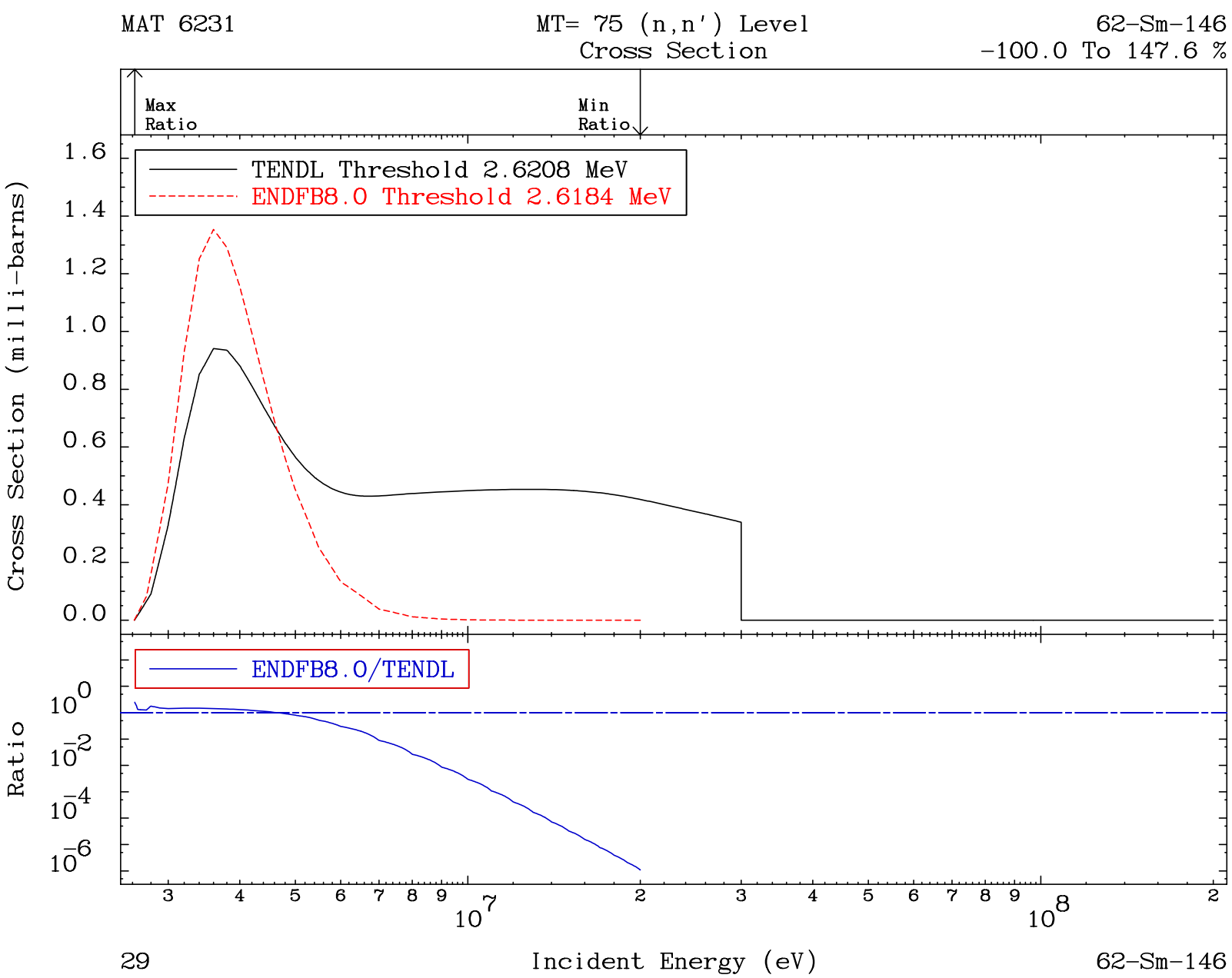

MAT 6231
MT= 70 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 17.92 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5485 MeV
ENDFB8.0 Threshold 2.5485 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
62-Sm-146

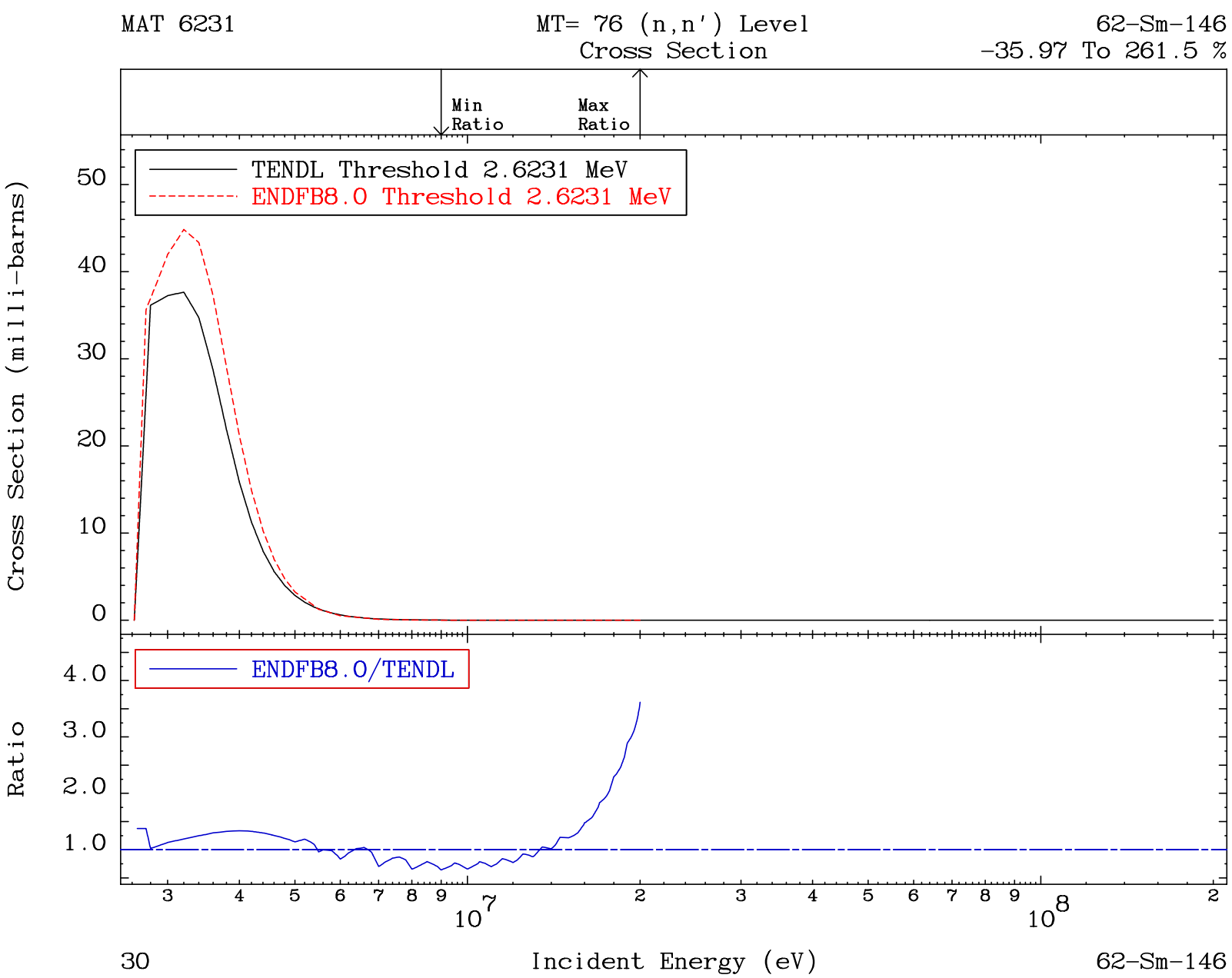

MAT 6231
MT= 71 (n,n') Level
Cross Section
62-Sm-146
-67.01 To 261.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5556 MeV
ENDFB8.0 Threshold 2.5494 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
25
62-Sm-146

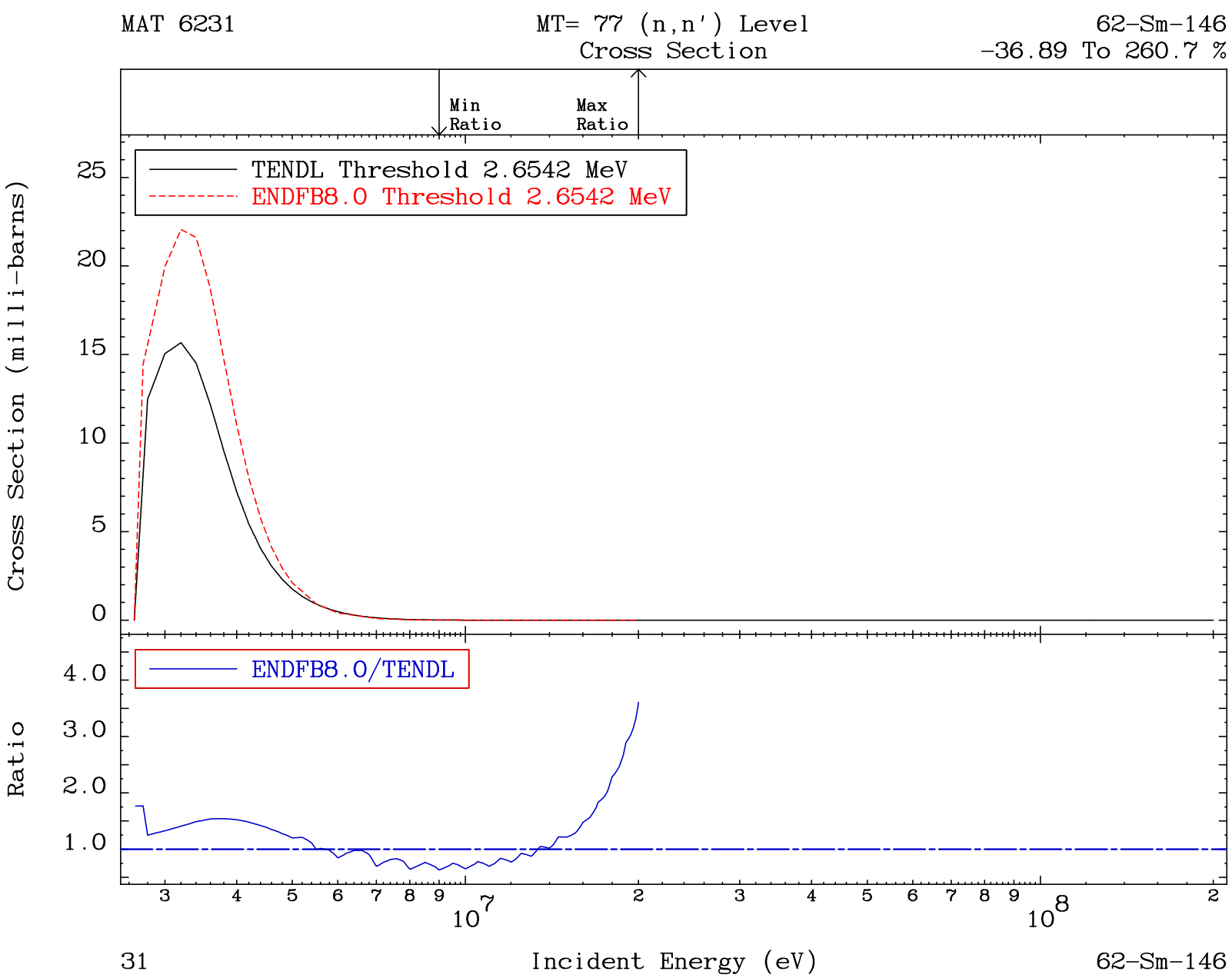

MAT 6231
MT= 72 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 26.91 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5618 MeV
ENDFB8.0 Threshold 2.5618 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
26
Incident Energy (eV)
62-Sm-146

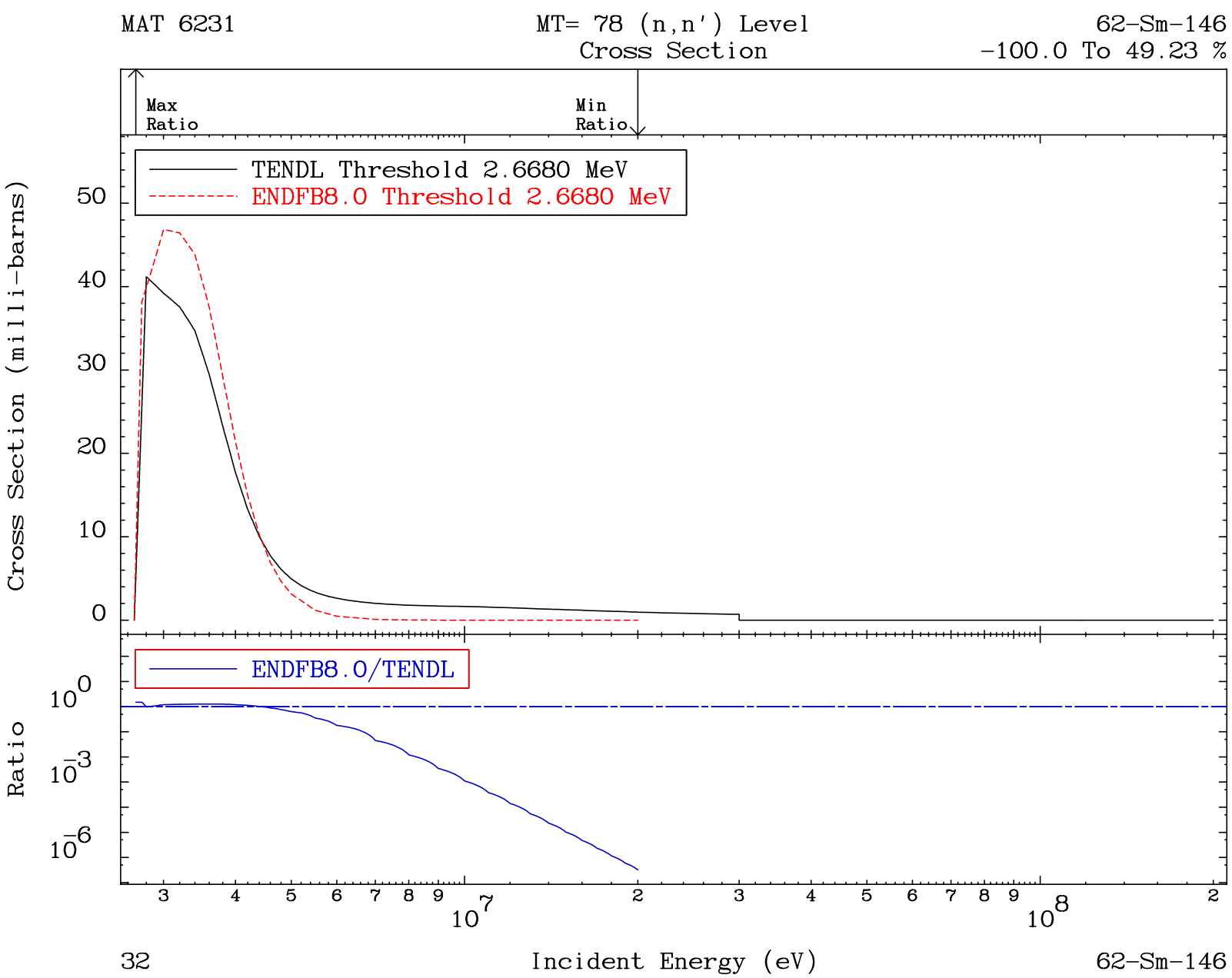

MAT 6231
MT= 73 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 17.95 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.5696 MeV
ENDFB8.0 Threshold 2.5696 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
62-Sm-146

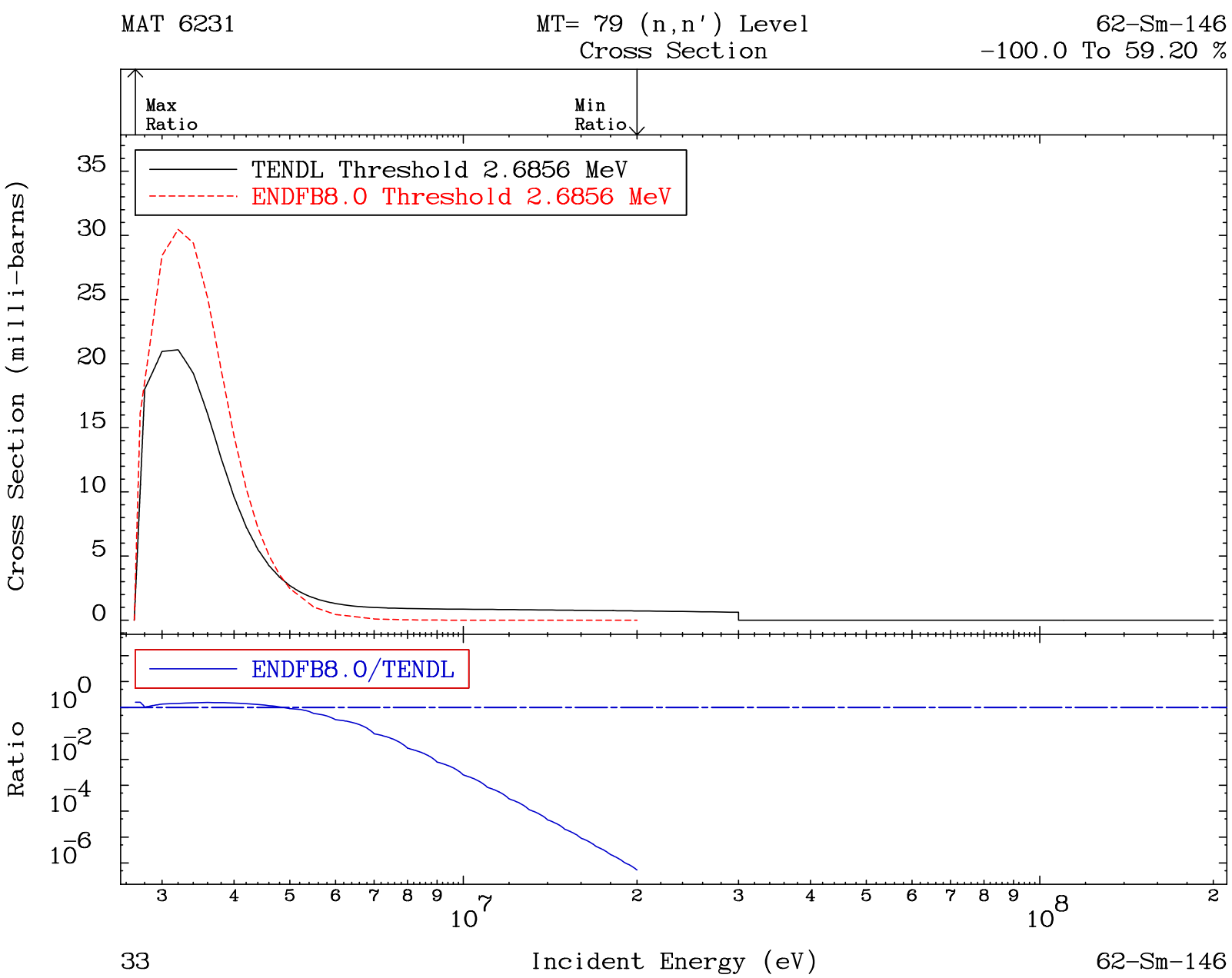

MAT 6231
MT= 74 (n,n') Level
Cross Section
62-Sm-146
-36.27 To 259.9 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6180 MeV
ENDFB8.0 Threshold 2.6180 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
4.0
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
62-Sm-146

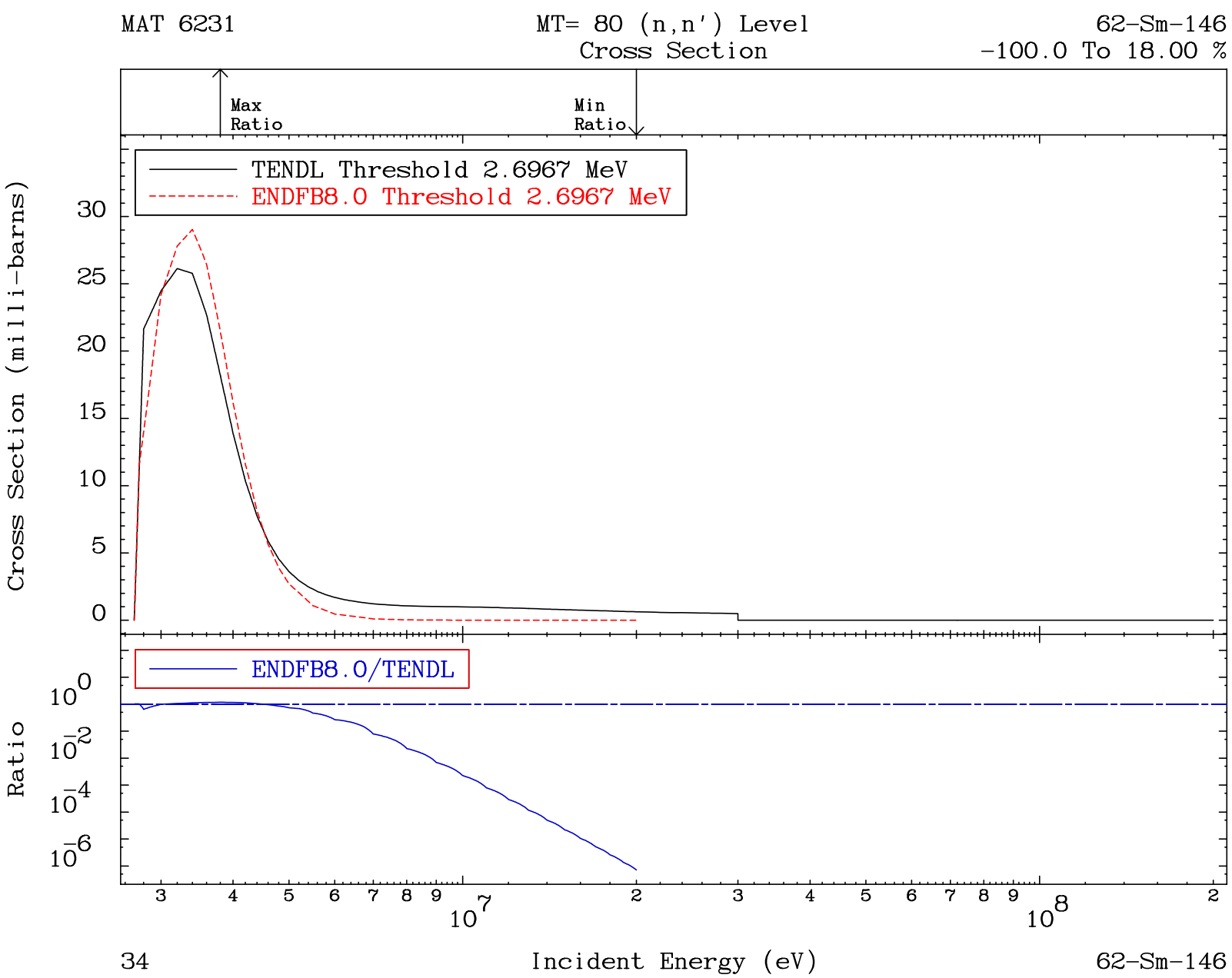

MAT 6231
MT= 75 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 147.6 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6208 MeV
ENDFB8.0 Threshold 2.6184 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
62-Sm-146

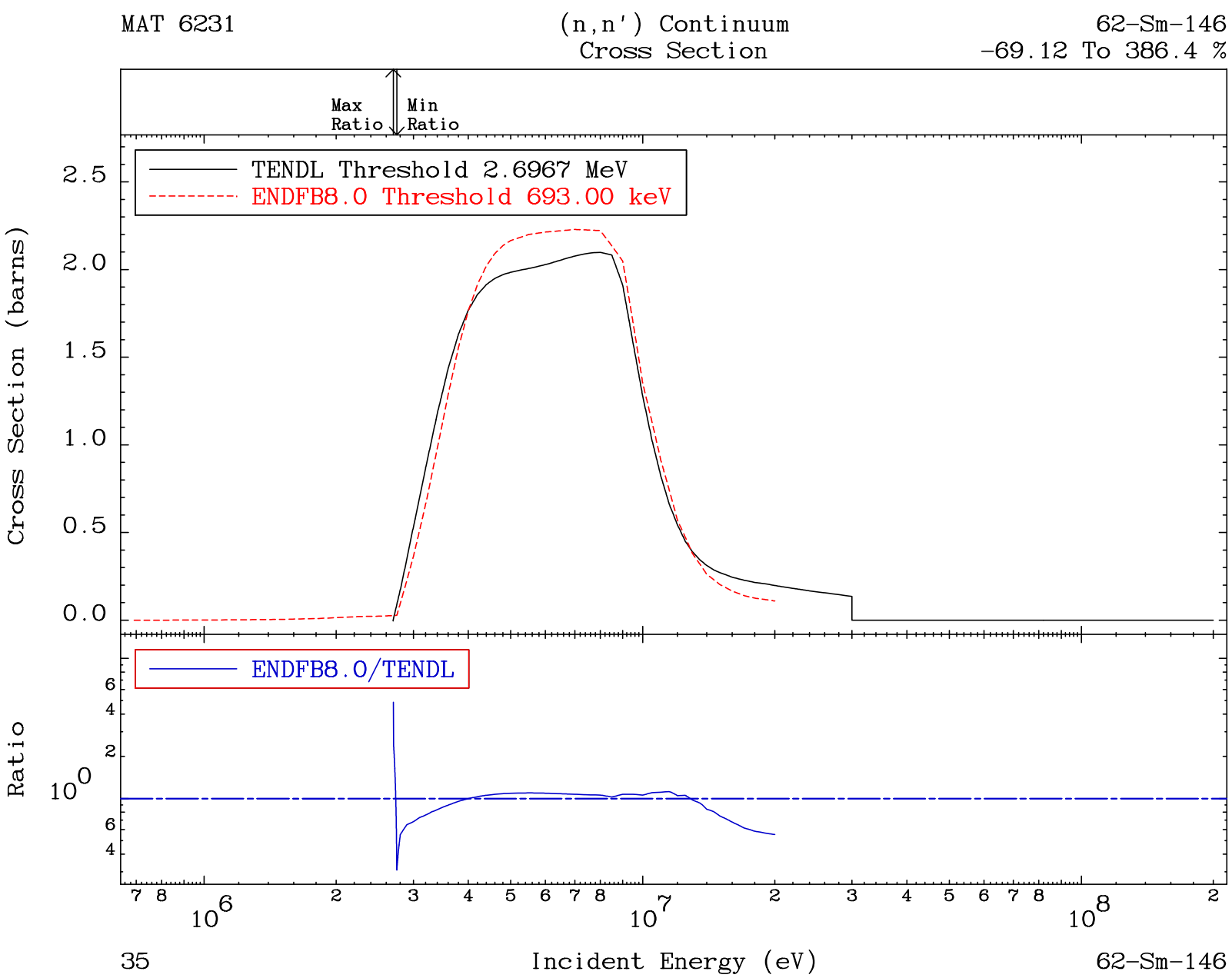

MAT 6231
MT= 76 (n,n') Level
Cross Section
62-Sm-146
-35.97 To 261.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6231 MeV
ENDFB8.0 Threshold 2.6231 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
4.0
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
62-Sm-146

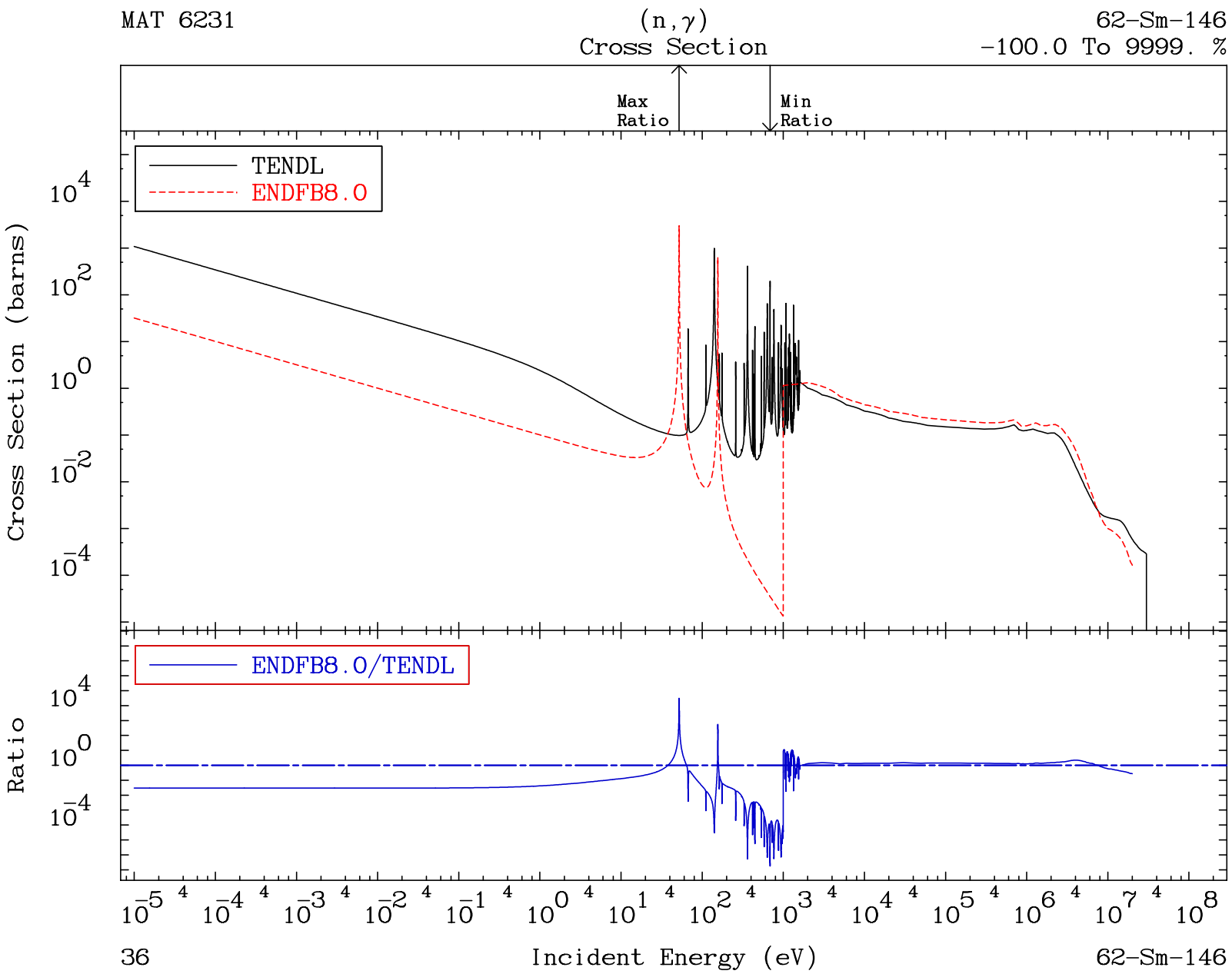

MAT 6231
MT= 77 (n,n') Level
Cross Section
62-Sm-146
-36.89 To 260.7 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6542 MeV
ENDFB8.0 Threshold 2.6542 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
4.0
3.0
2.0
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
62-Sm-146

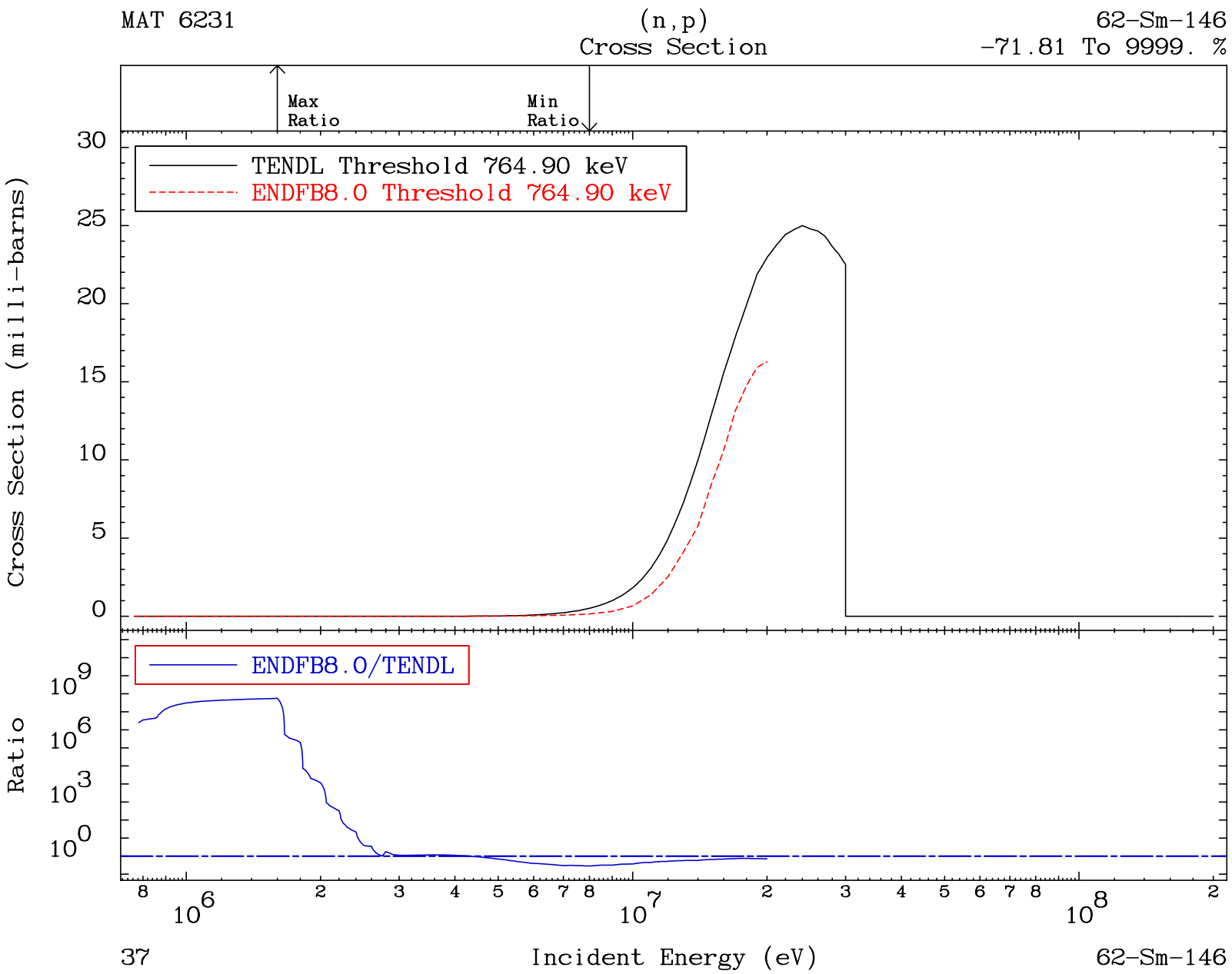

MAT 6231
MT= 78 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 49.23 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6680 MeV
ENDFB8.0 Threshold 2.6680 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
32
Incident Energy (eV)
62-Sm-146

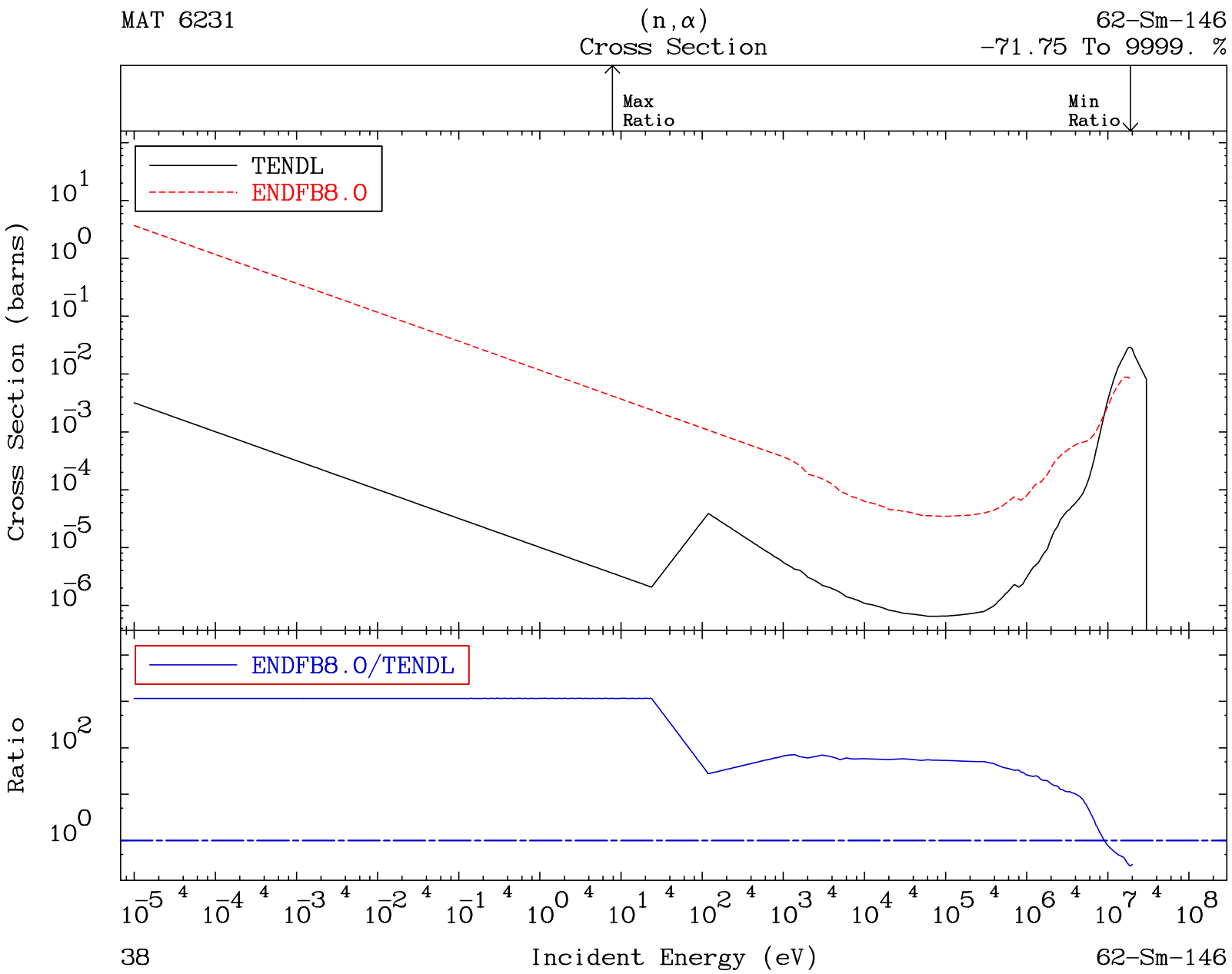

MAT 6231
MT= 79 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 59.20 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6856 MeV
ENDFB8.0 Threshold 2.6856 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
62-Sm-146

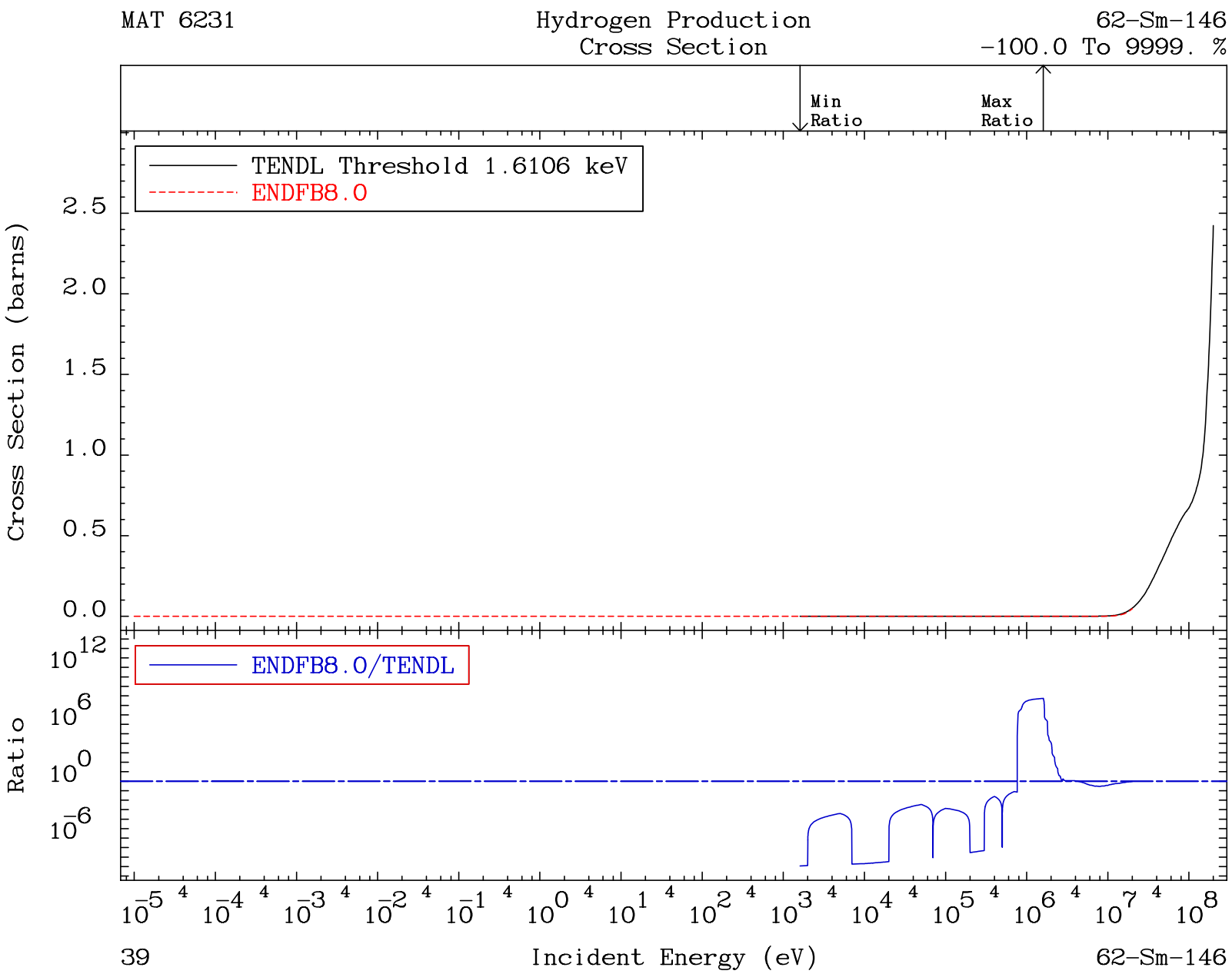

MAT 6231
MT= 80 (n,n') Level
Cross Section
62-Sm-146
-100.0 To 18.00 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.6967 MeV
ENDFB8.0 Threshold 2.6967 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
62-Sm-146

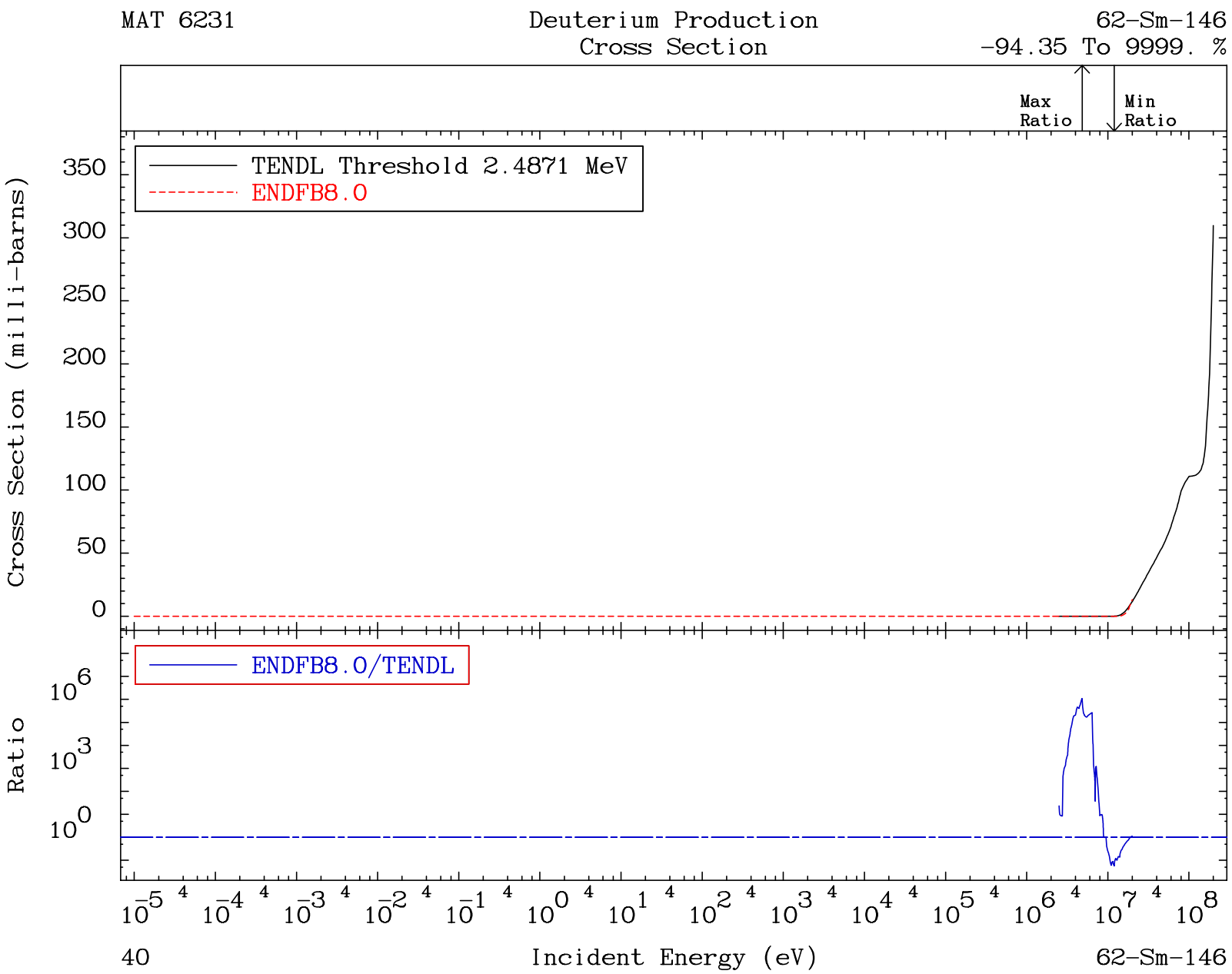

MAT 6231
(n,n') Continuum
Cross Section
62-Sm-146
-69.12 To 386.4 %
Max Ratio
Min Ratio
TENDL Threshold 2.6967 MeV
ENDFB8.0 Threshold 693.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^0
6
4
2
6
4
7 8
10^6
2
3
4
5
6
7 8
10^7
2
3
4
5
6
7 8
10^8
2
35
Incident Energy (eV)
62-Sm-146

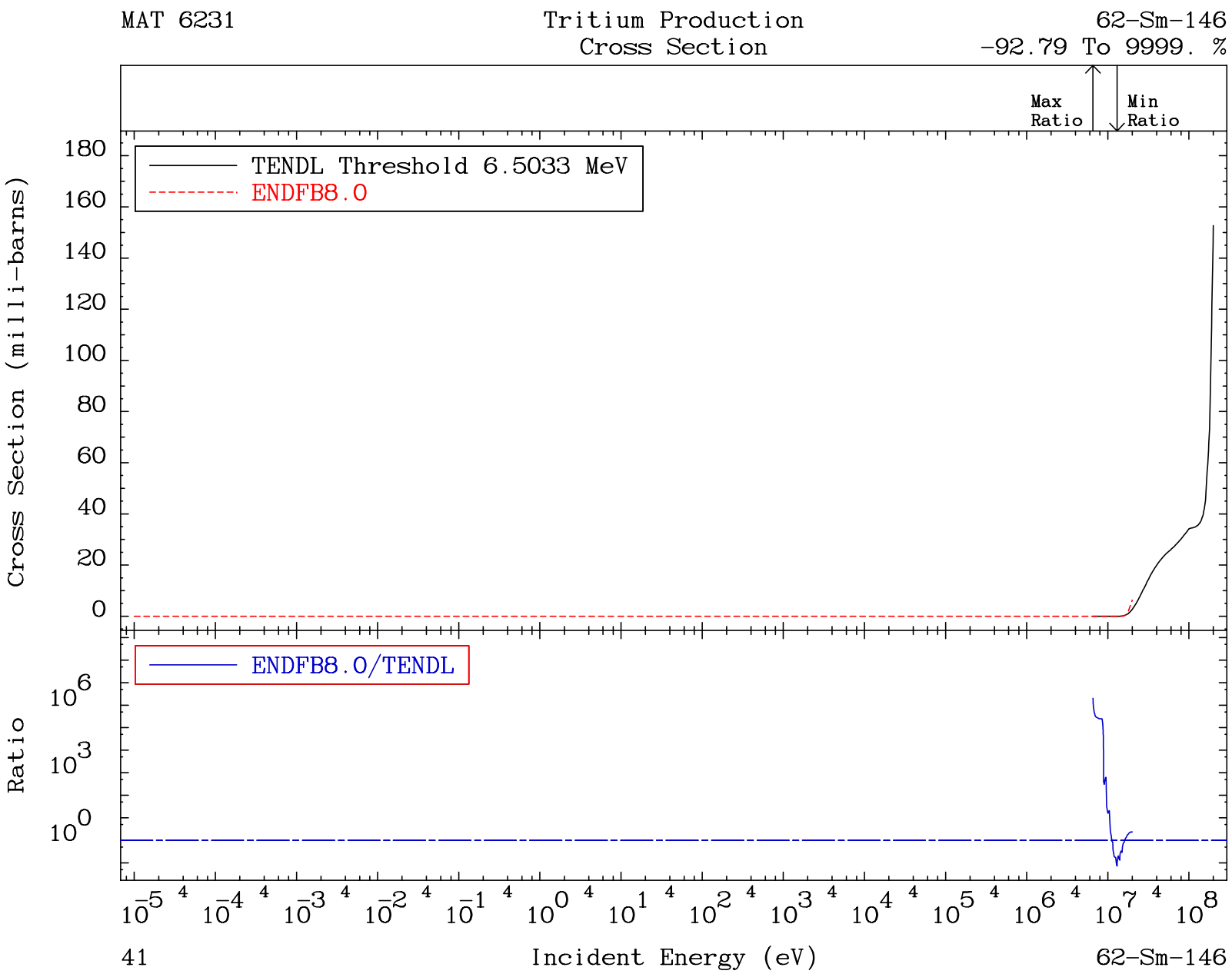

MAT 6231
(n,γ)
Cross Section
62-Sm-146
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
62-Sm-146

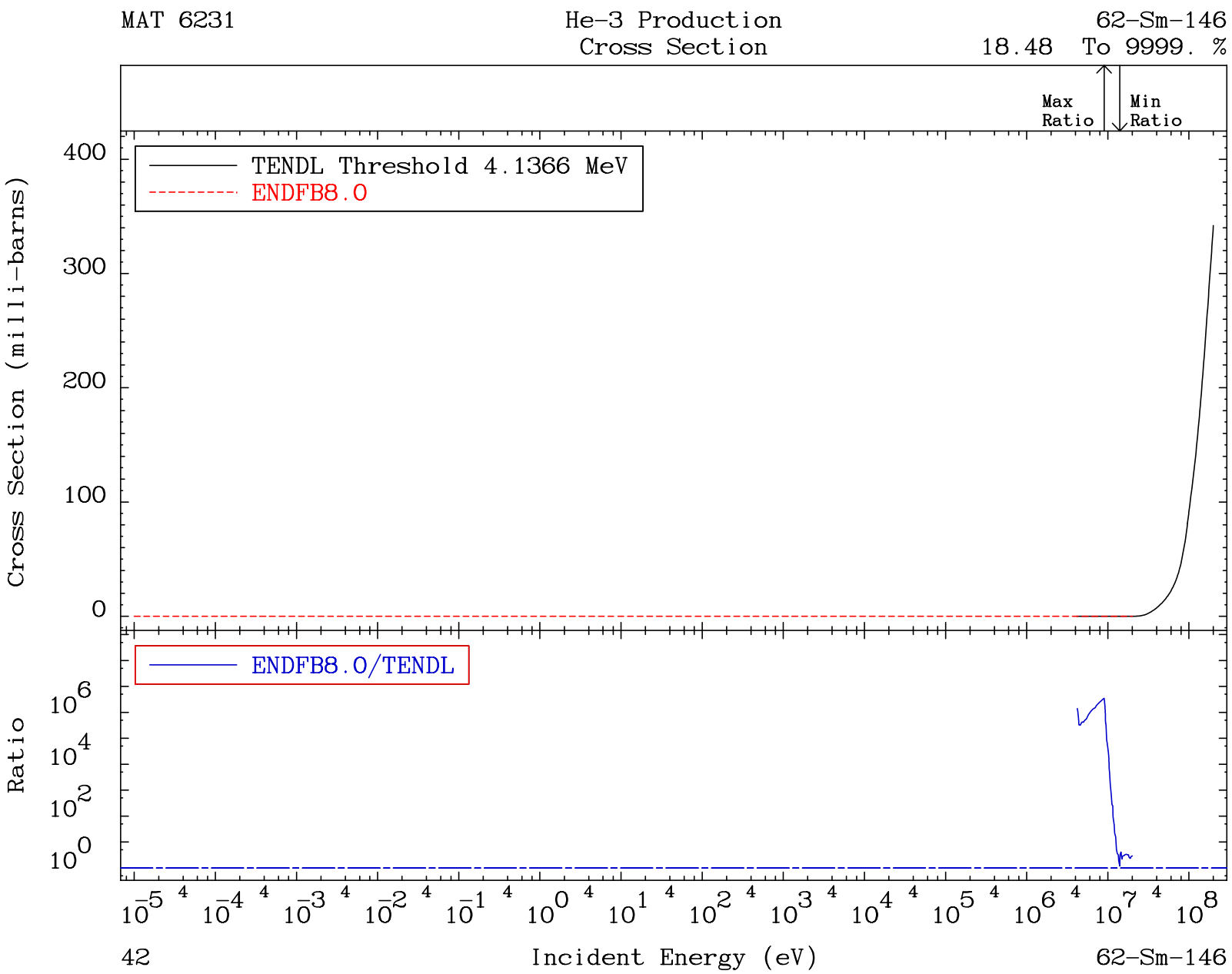

MAT 6231
(n,p)
Cross Section
62-Sm-146
-71.81 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 764.90 keV
ENDFB8.0 Threshold 764.90 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^9
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
62-Sm-146

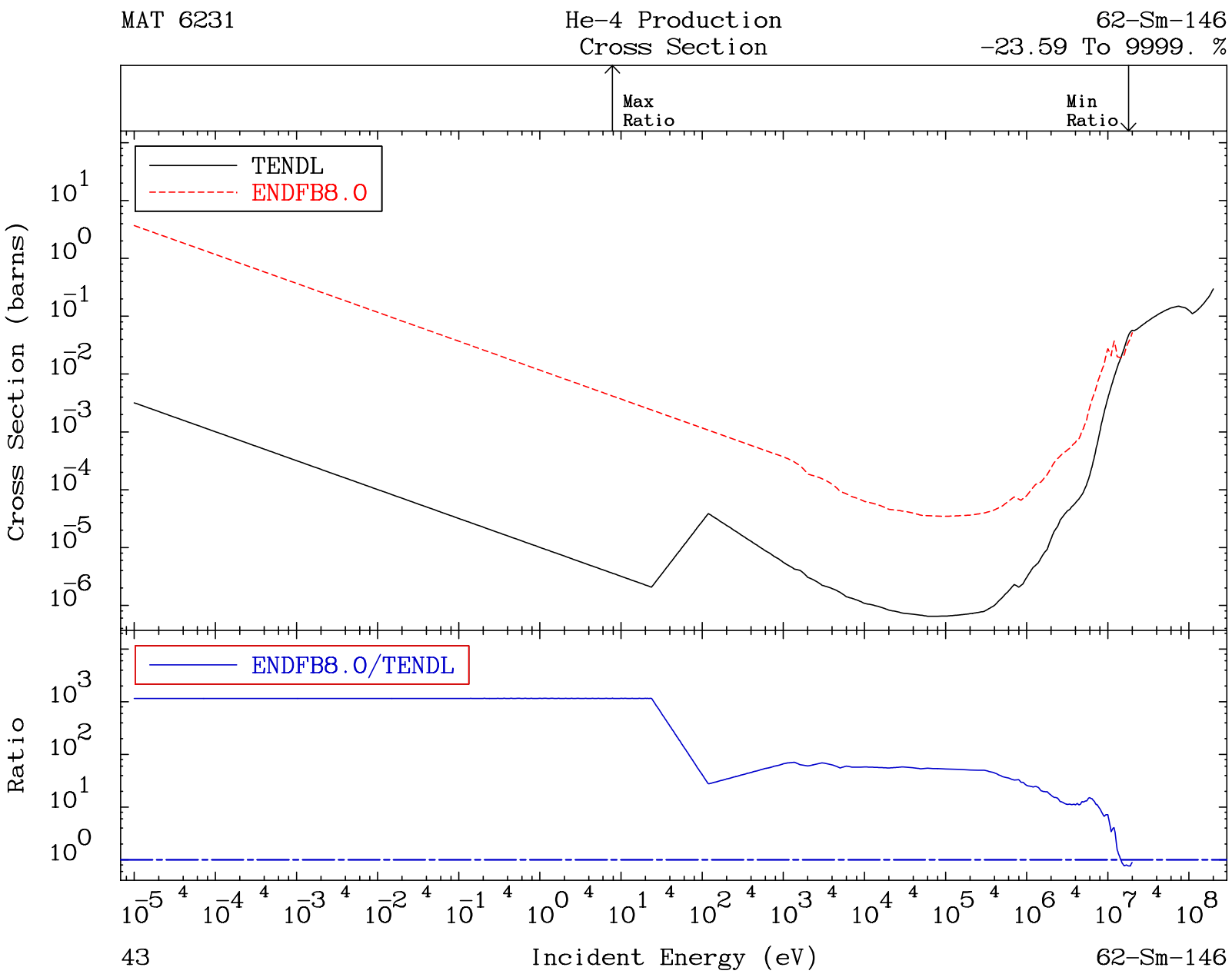

MAT 6231
(n,α)
Cross Section
62-Sm-146
-71.75 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
38
62-Sm-146

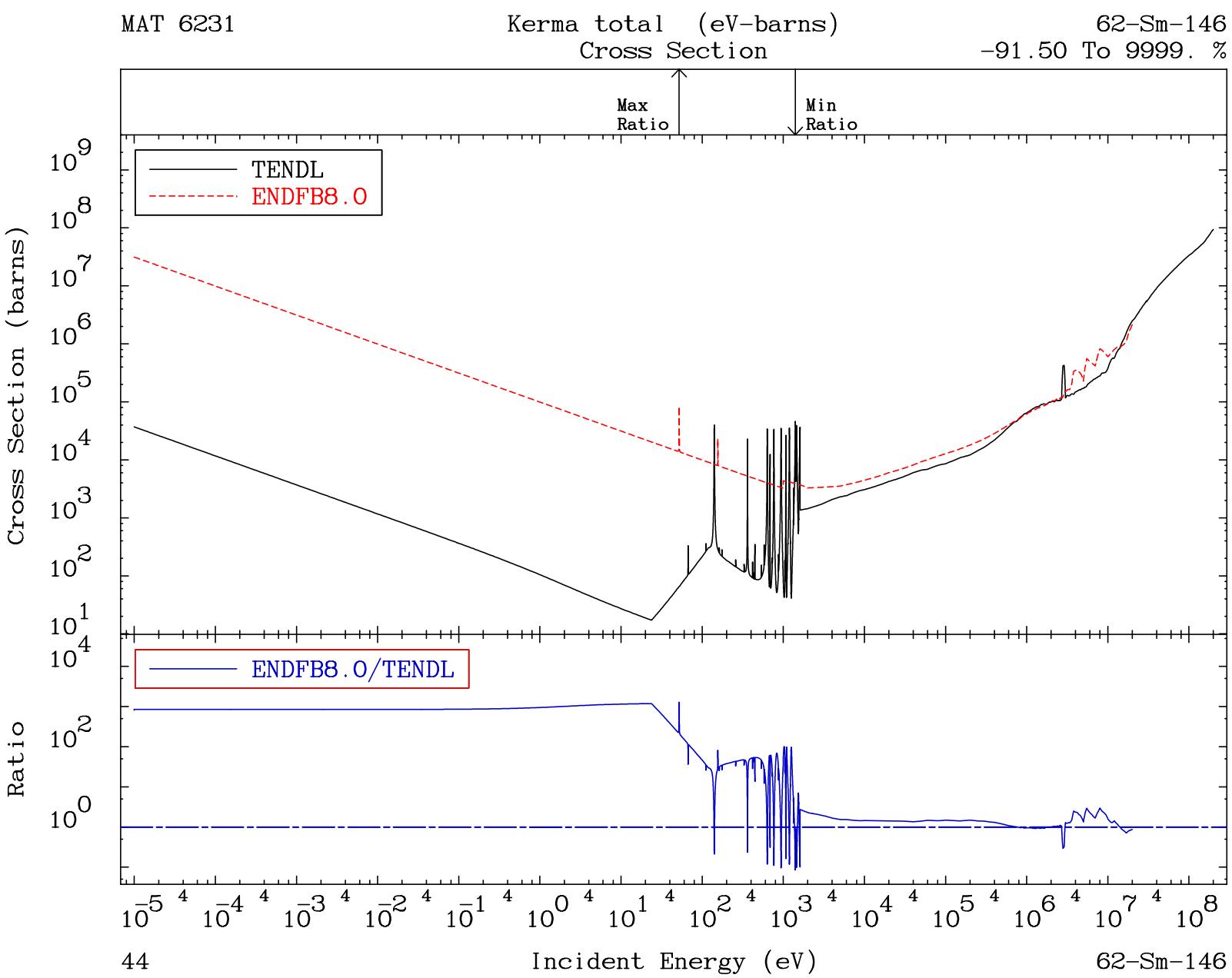

MAT 6231
Hydrogen Production
Cross Section
62-Sm-146
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6106 keV
ENDFB8.0
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^12
10^6
10^0
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
39
Incident Energy (eV)
62-Sm-146

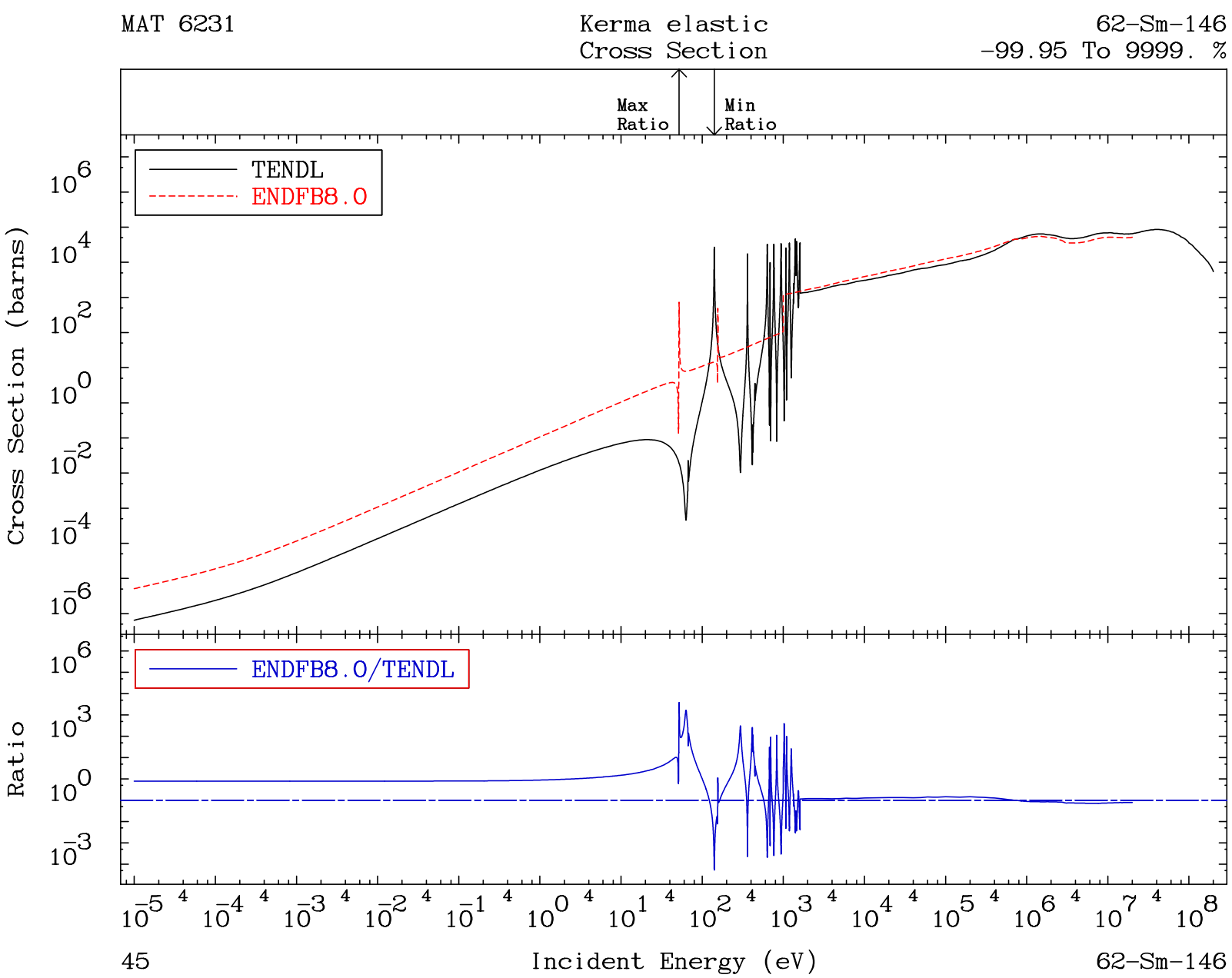

MAT 6231
Deuterium Production
Cross Section
62-Sm-146
-94.35 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4871 MeV
ENDFB8.0
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
40
Incident Energy (eV)
62-Sm-146

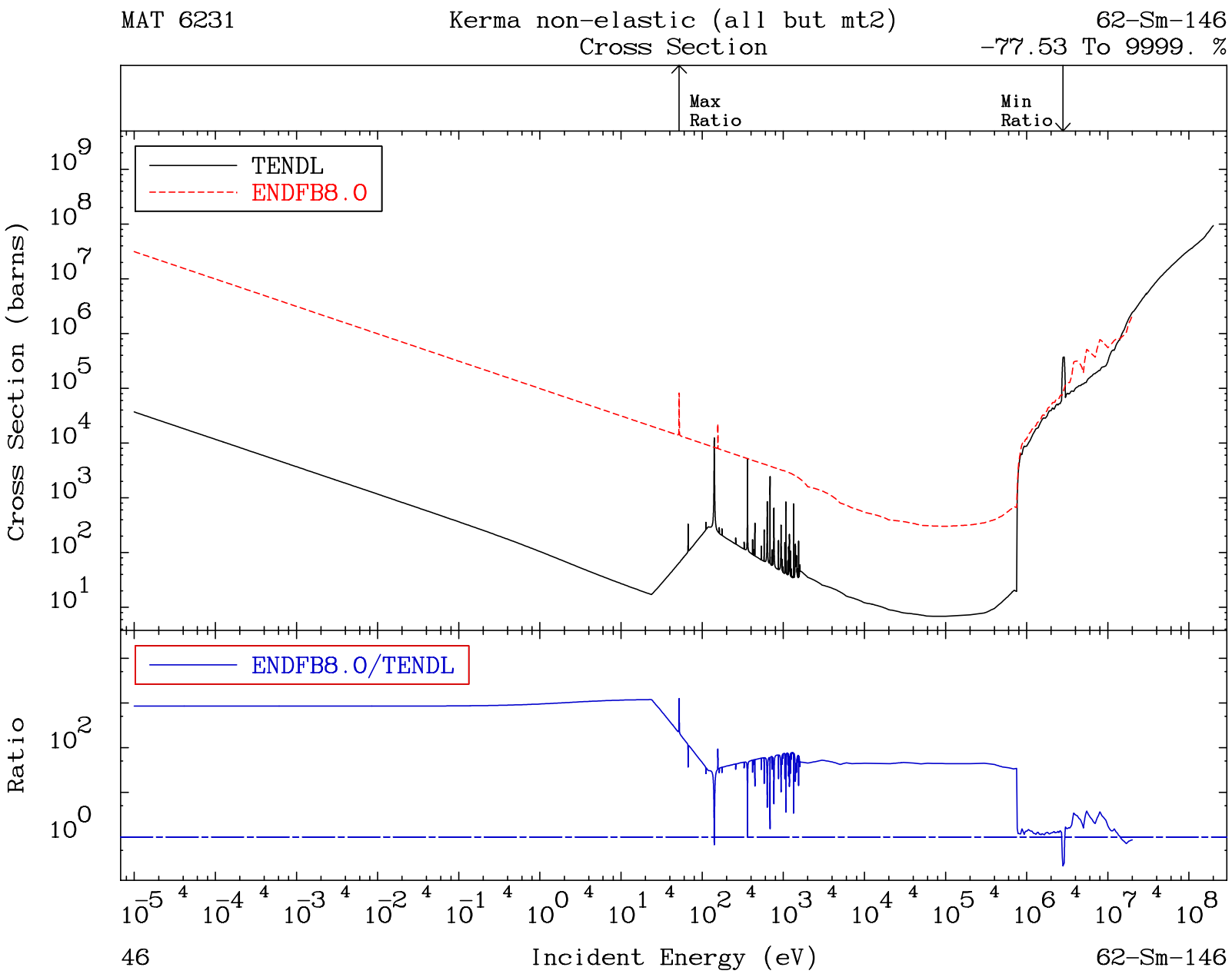

MAT 6231
Tritium Production
Cross Section
62-Sm-146
-92.79 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5033 MeV
ENDFB8.0
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
41
Incident Energy (eV)
62-Sm-146

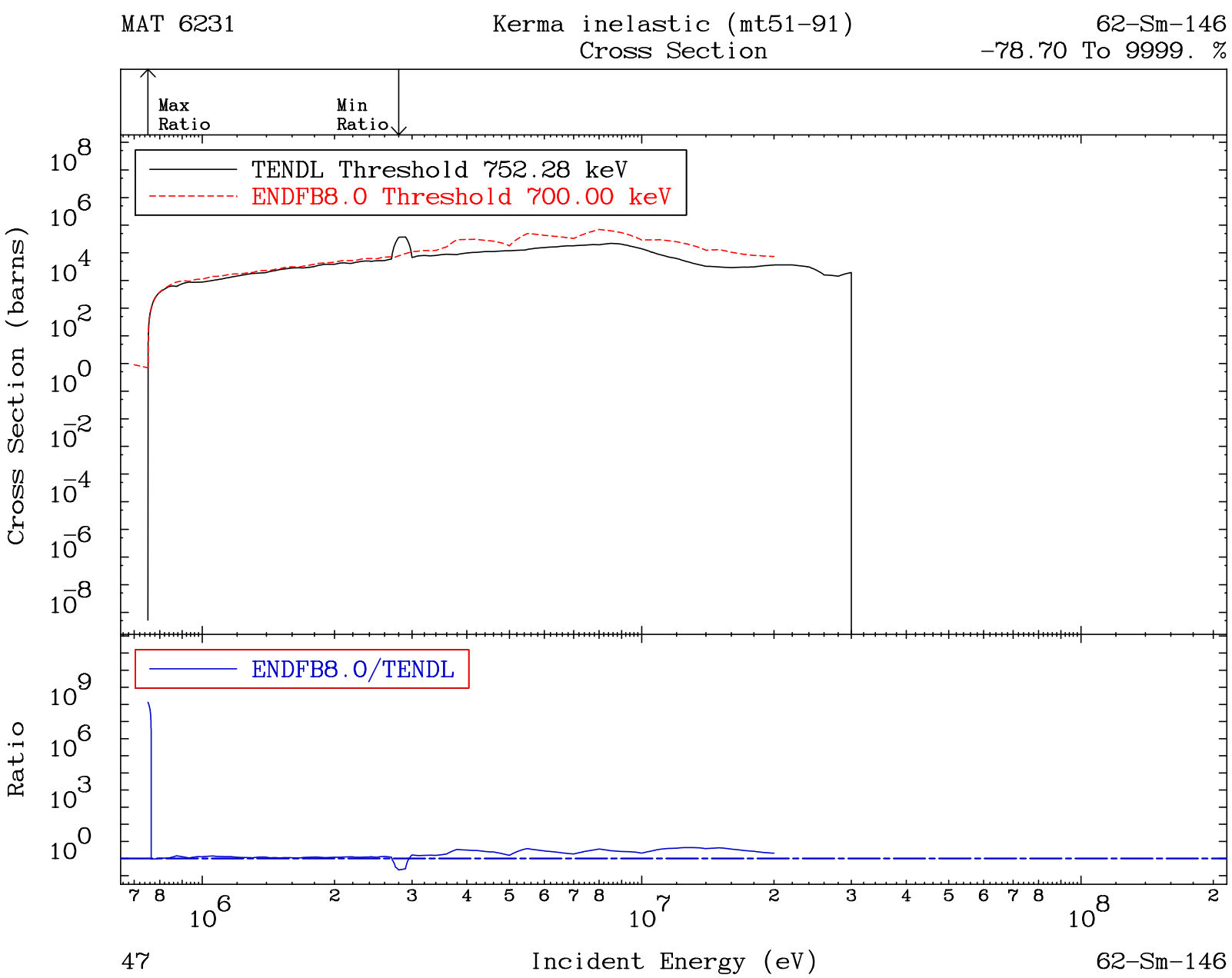

MAT 6231
He-3 Production
Cross Section
62-Sm-146
18.48 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.1366 MeV
ENDFB8.0
Cross Section (milli-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
10^6
10^4
10^2
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
62-Sm-146

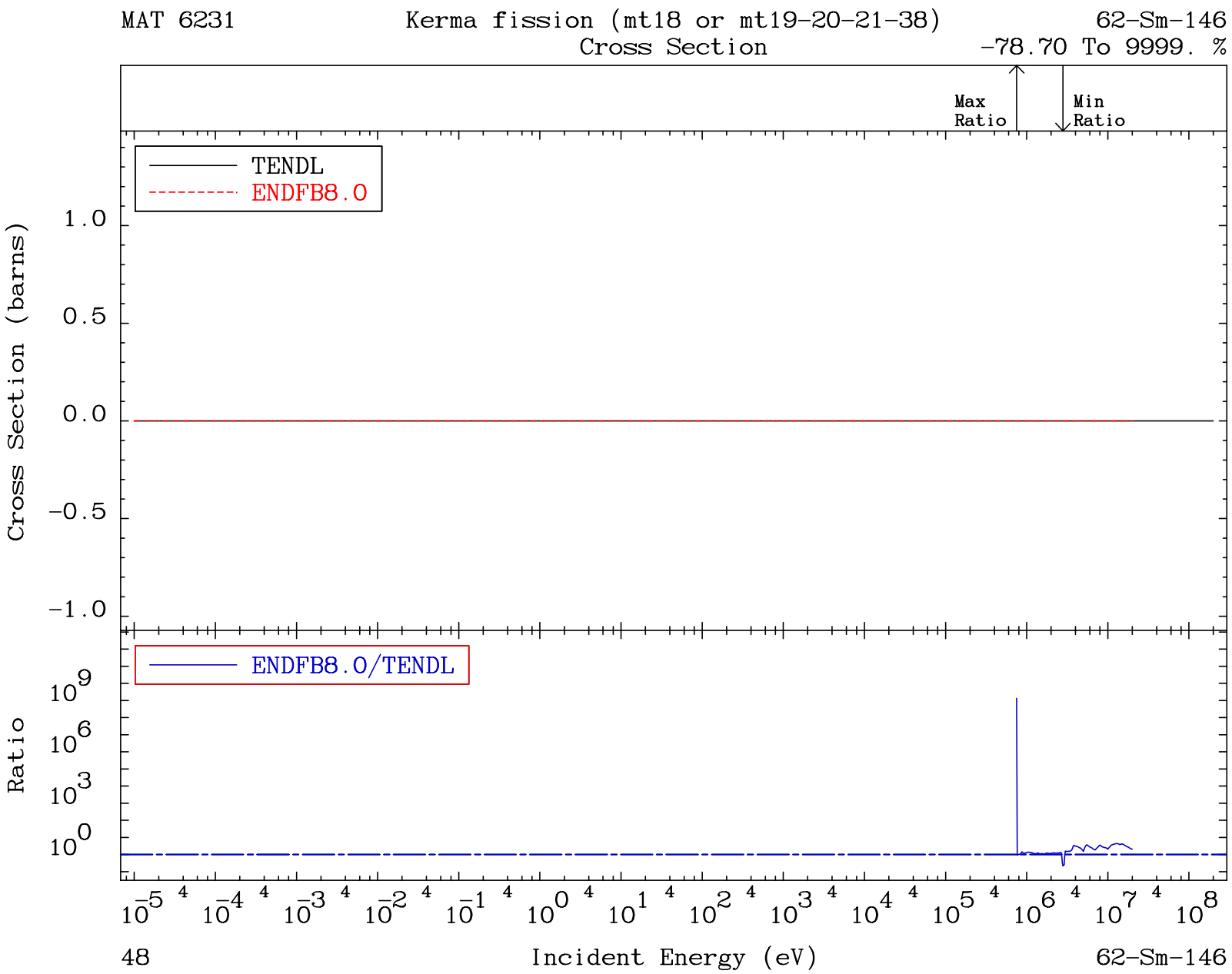

MAT 6231
He-4 Production
Cross Section
62-Sm-146
-23.59 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
43
62-Sm-146

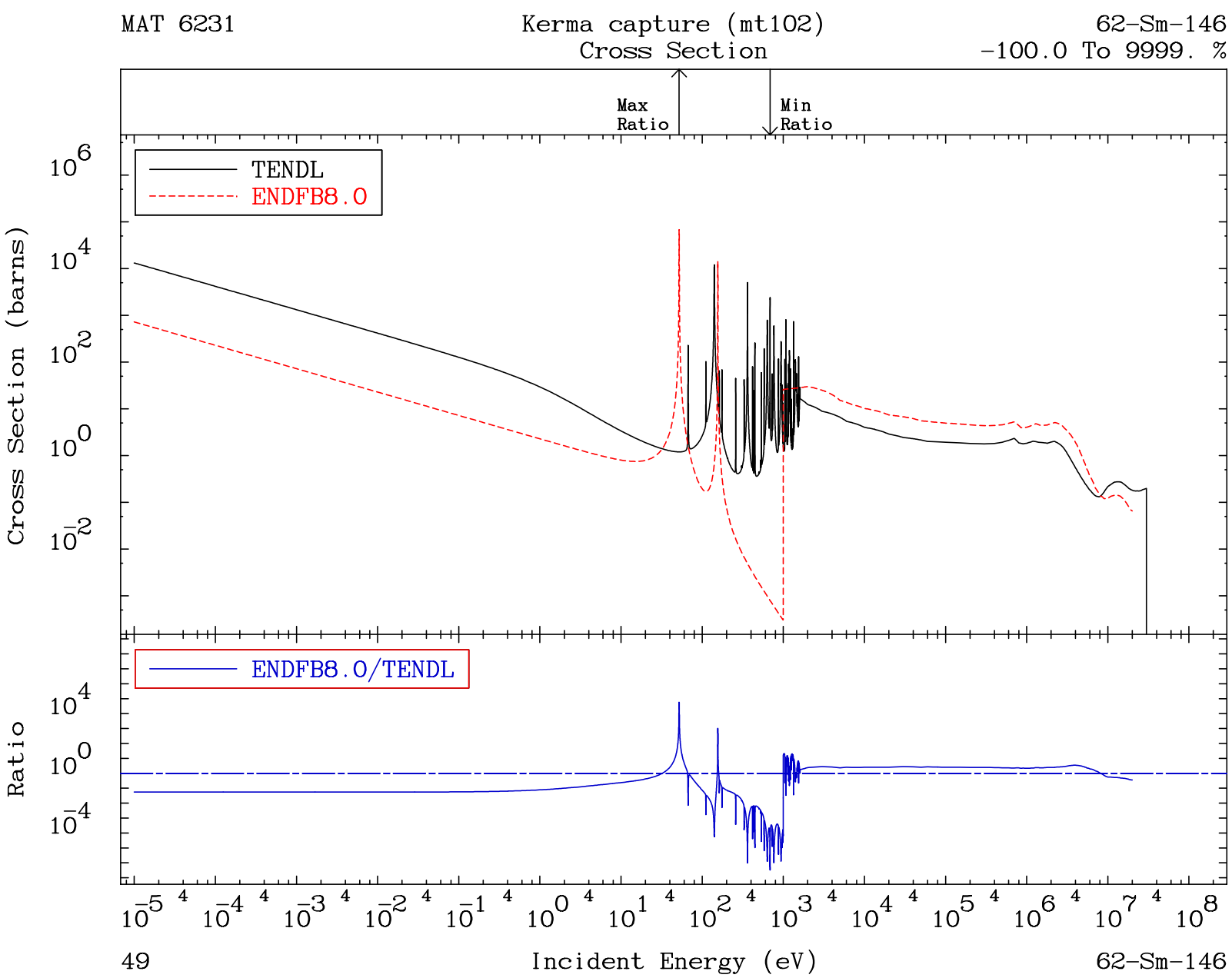

MAT 6231
Kerma total (eV-barns)
Cross Section
62-Sm-146
-91.50 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
44
62-Sm-146

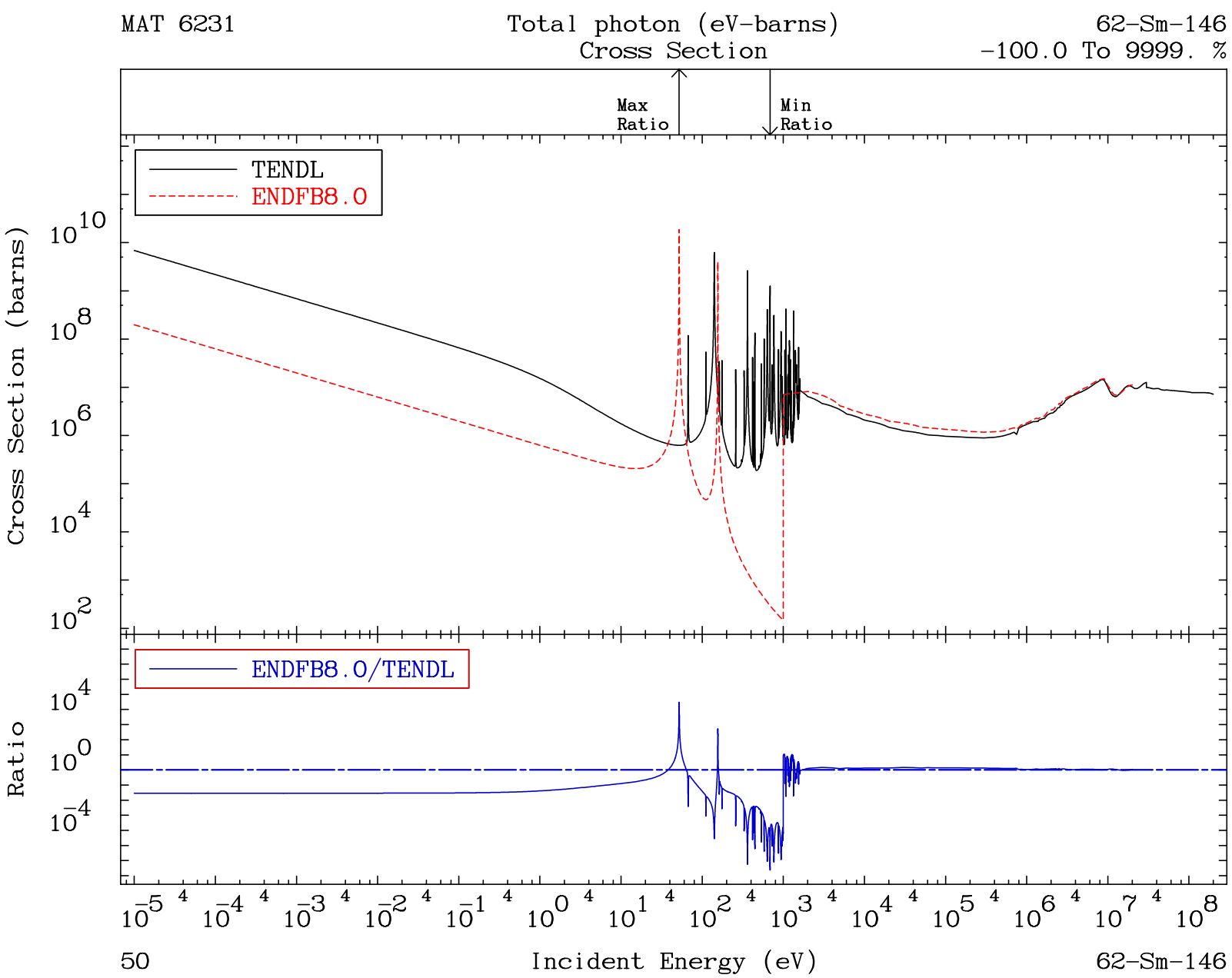

MAT 6231
Kerma elastic
Cross Section
62-Sm-146
-99.95 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
45
62-Sm-146

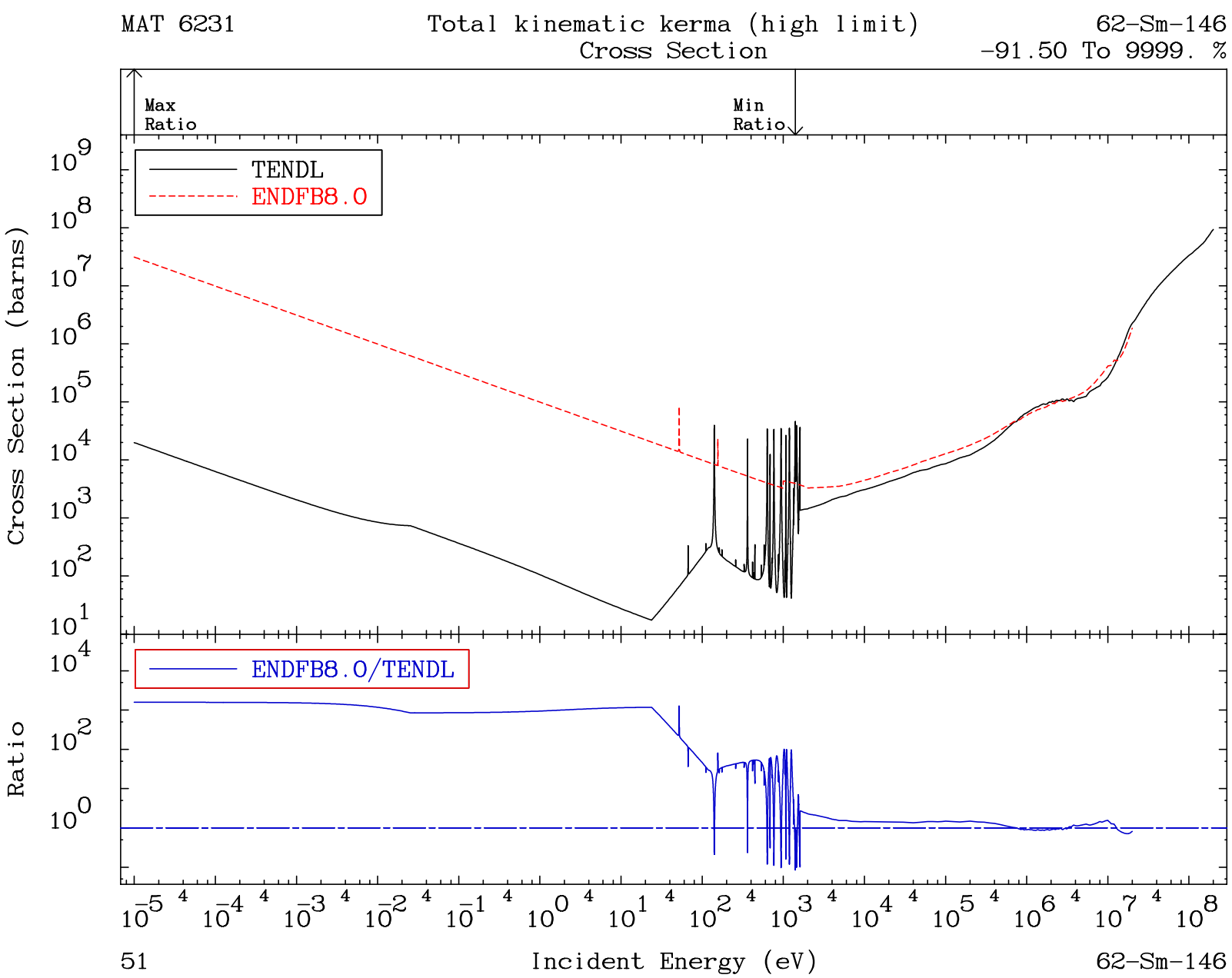

MAT 6231
Kerma non-elastic (all but mt2)
Cross Section
62-Sm-146
-77.53 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
46
62-Sm-146

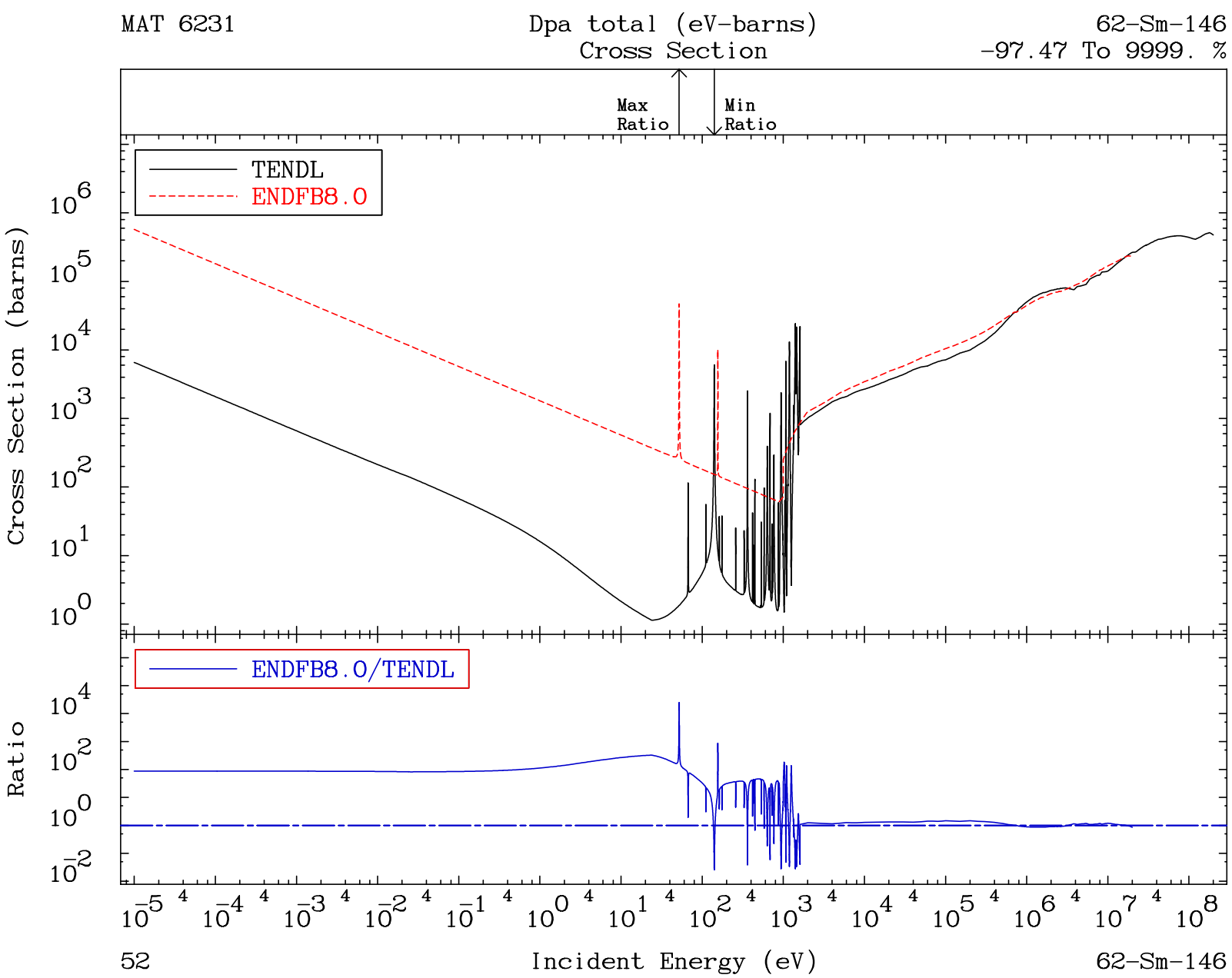

MAT 6231
Kerma inelastic (mt51-91)
Cross Section
62-Sm-146
-78.70 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 752.28 keV
ENDFB8.0 Threshold 700.00 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
47
62-Sm-146

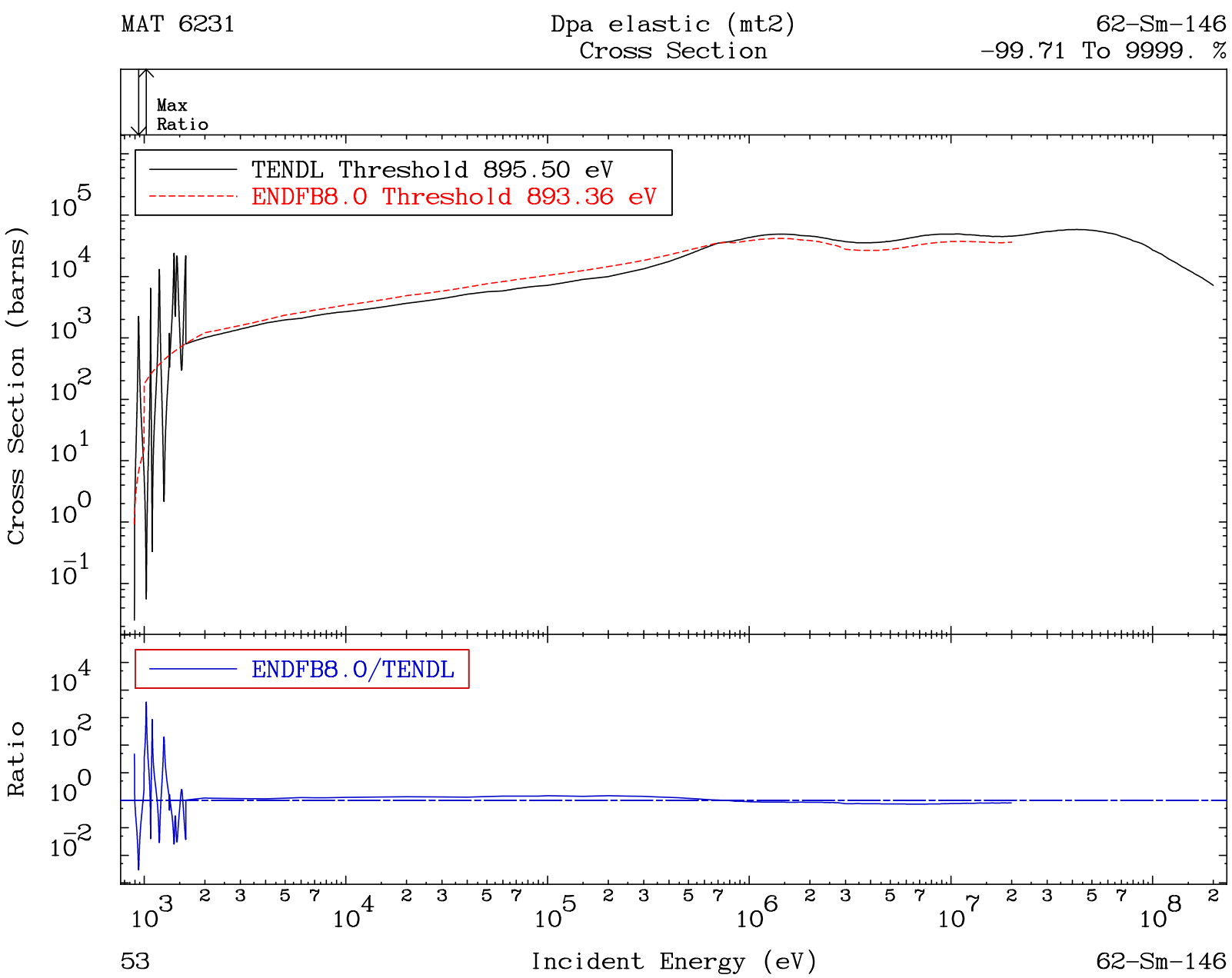

MAT 6231
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
62-Sm-146
-78.70 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
62-Sm-146

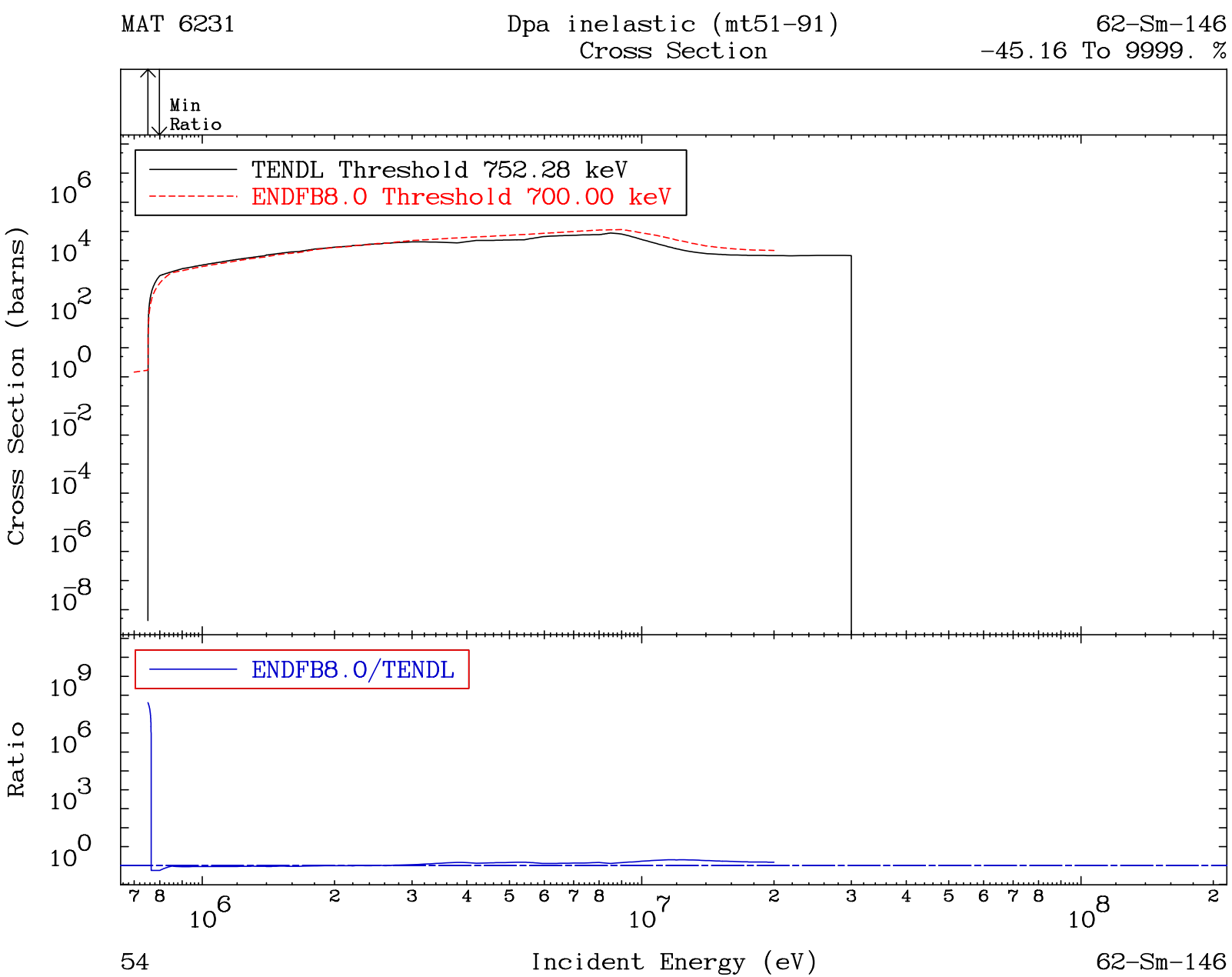

MAT 6231
Kerma capture (mt102)
Cross Section
62-Sm-146
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
49
62-Sm-146

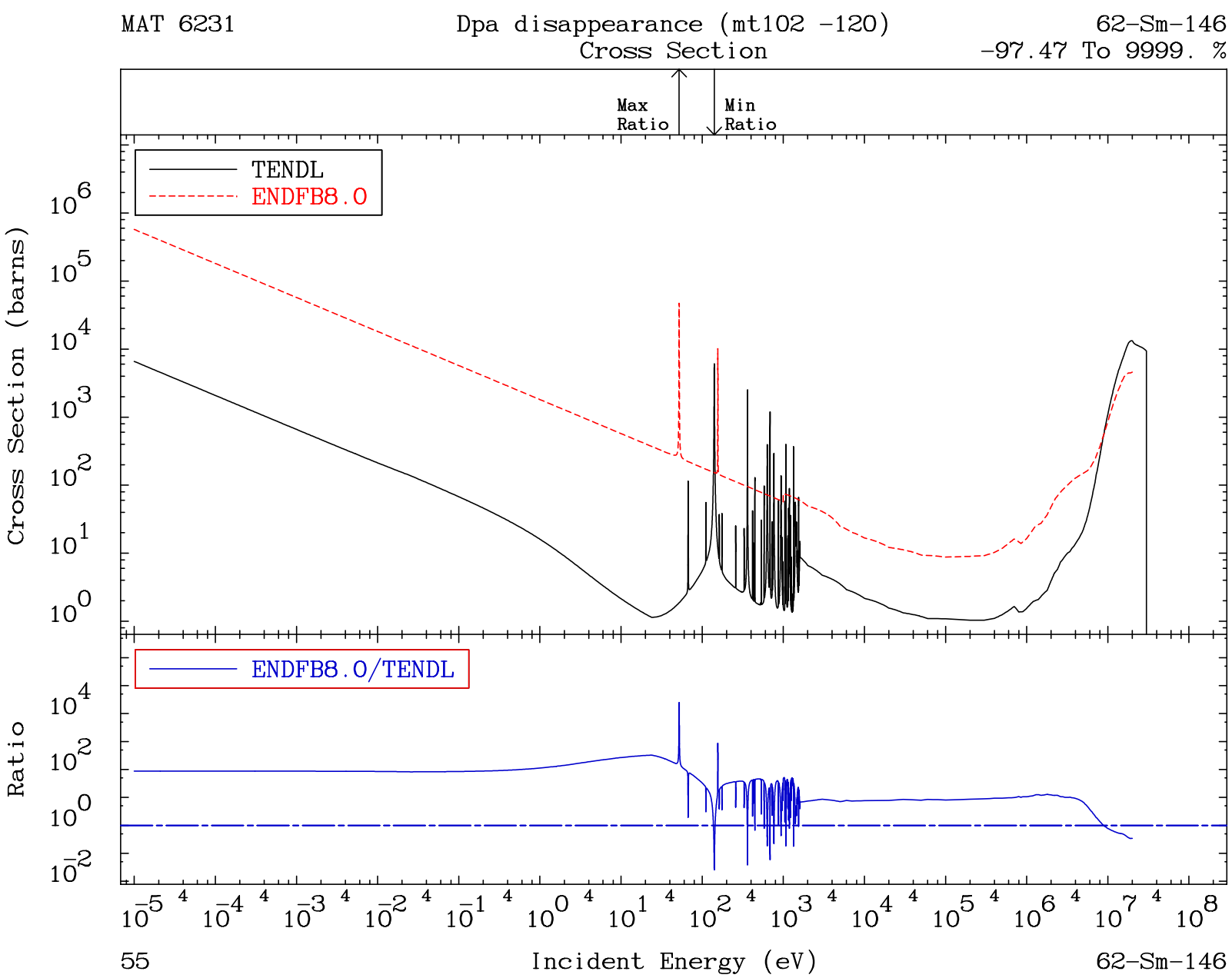

MAT 6231
Total photon (eV-barns)
Cross Section
62-Sm-146
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
62-Sm-146


MAT 6231
Total kinematic kerma (high limit)
Cross Section
62-Sm-146
-91.50 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
51
62-Sm-146


MAT 6231
Dpa total (eV-barns)
Cross Section
62-Sm-146
-97.47 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
52
62-Sm-146


MAT 6231
Dpa elastic (mt2)
Cross Section
62-Sm-146
-99.71 To 9999. %
Max
Ratio
TENDL Threshold 895.50 eV
ENDFB8.0 Threshold 893.36 eV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
53
62-Sm-146


MAT 6231
Dpa inelastic (mt51-91)
Cross Section
62-Sm-146
-45.16 To 9999. %
Min
Ratio
TENDL Threshold 752.28 keV
ENDFB8.0 Threshold 700.00 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
54
62-Sm-146


MAT 6231
Dpa disappearance (mt102 -120)
Cross Section
62-Sm-146
-97.47 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
55
62-Sm-146