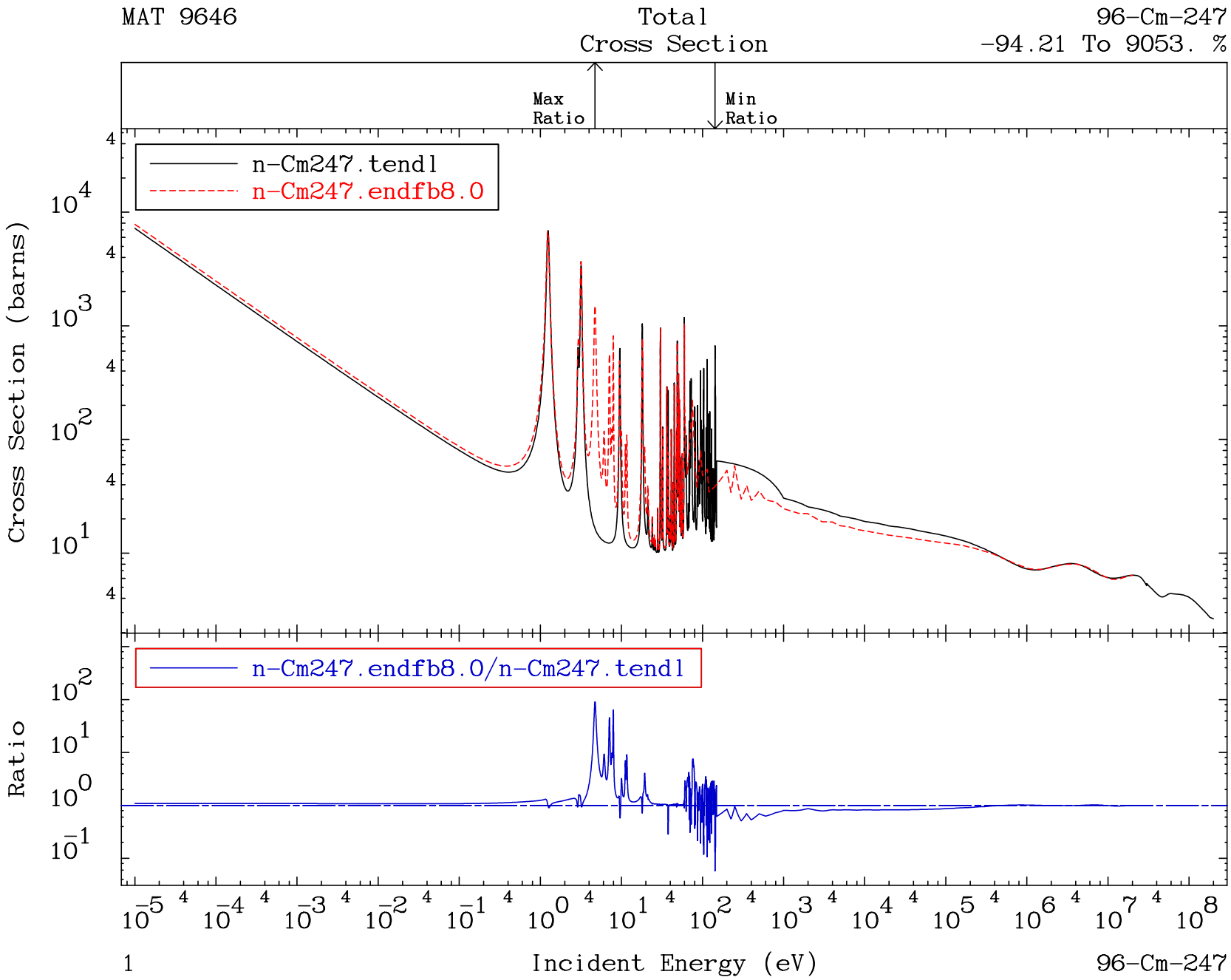
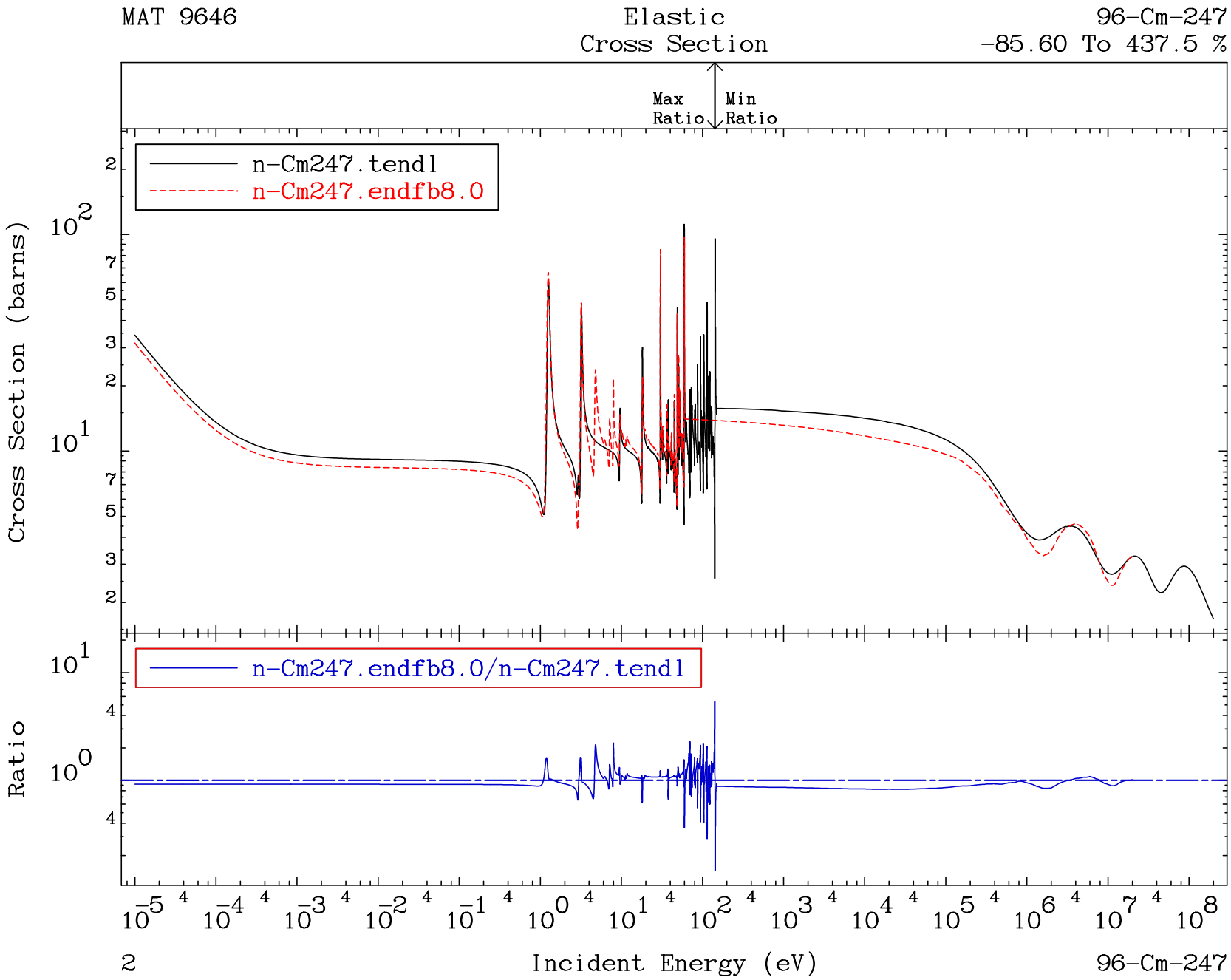
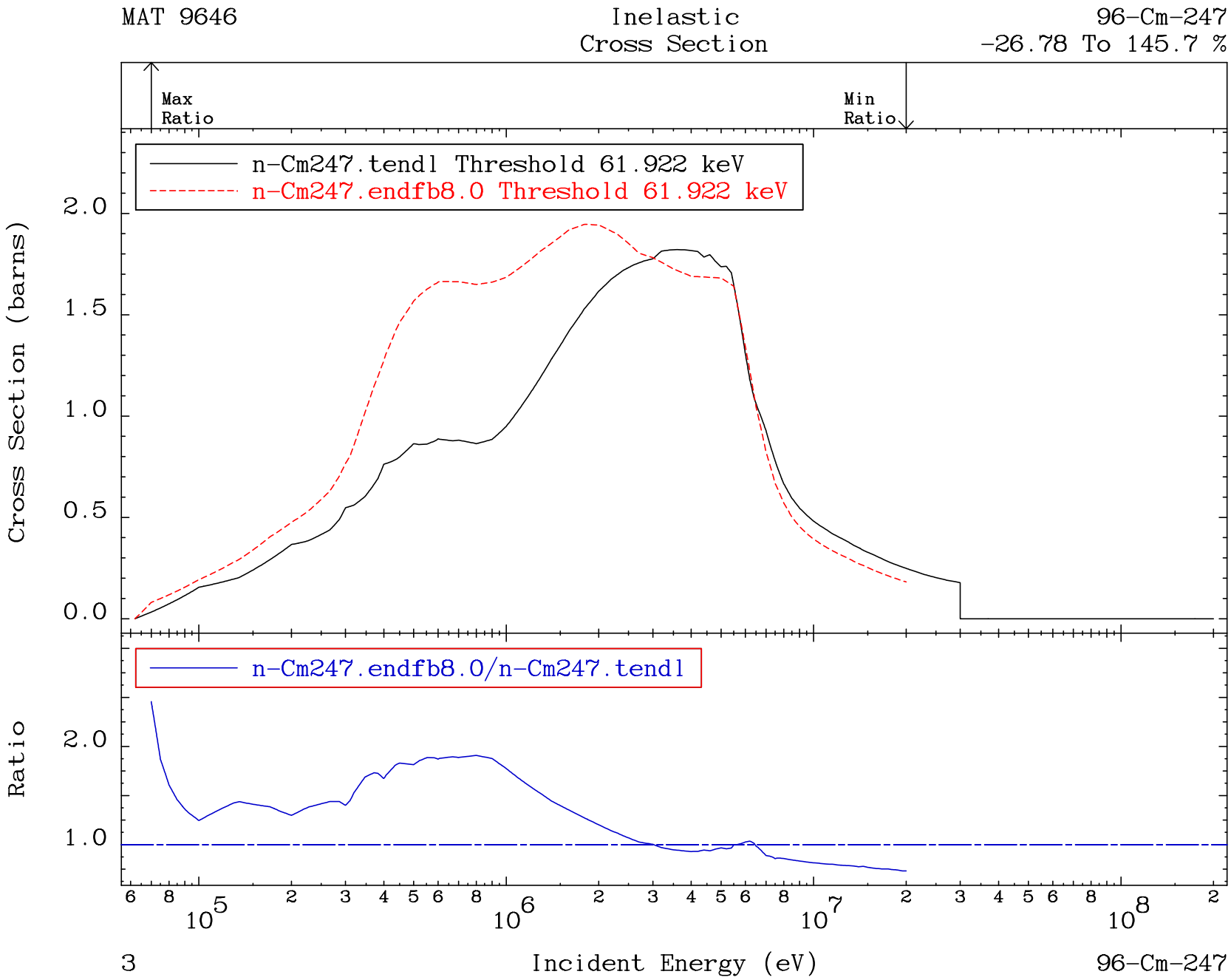
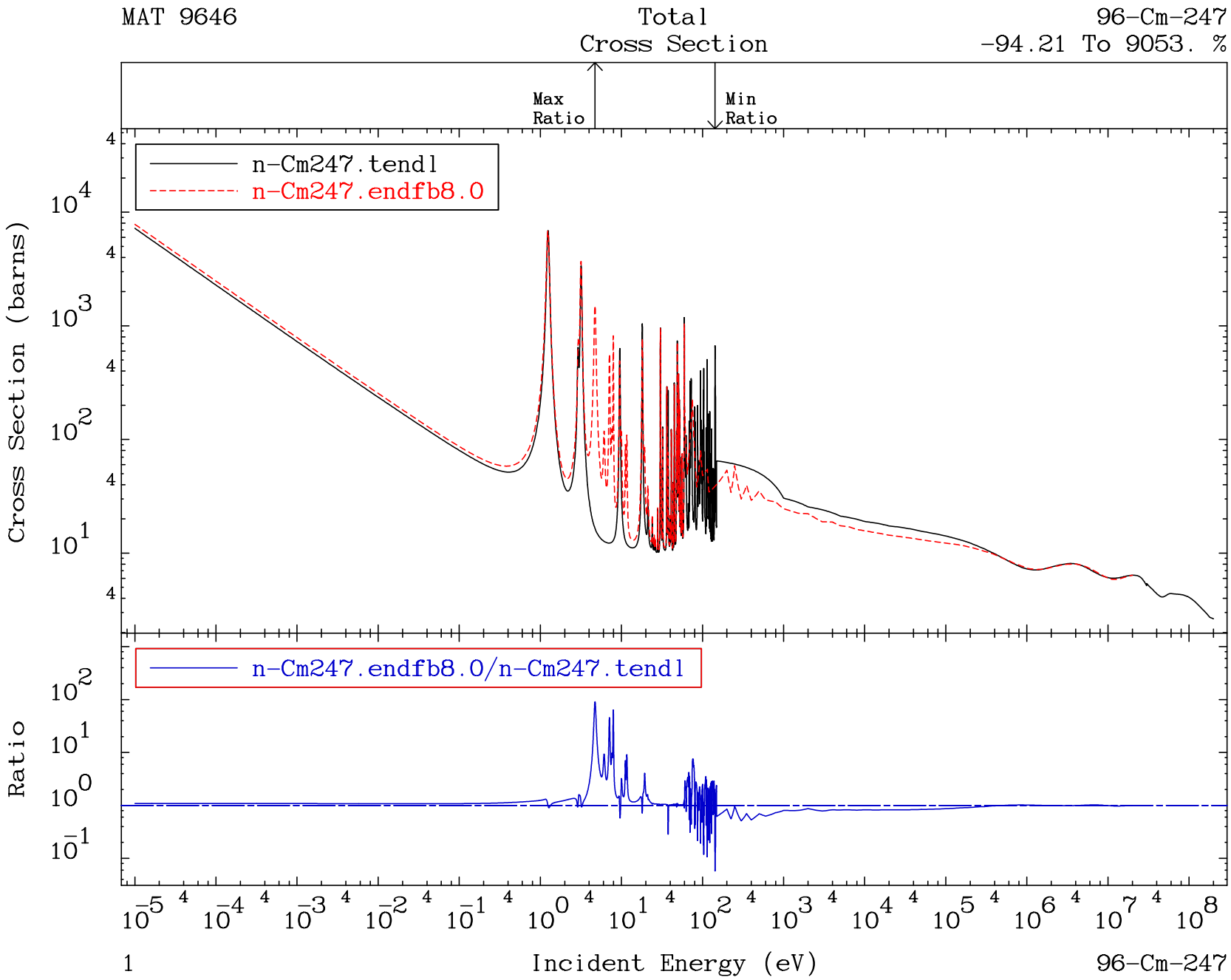
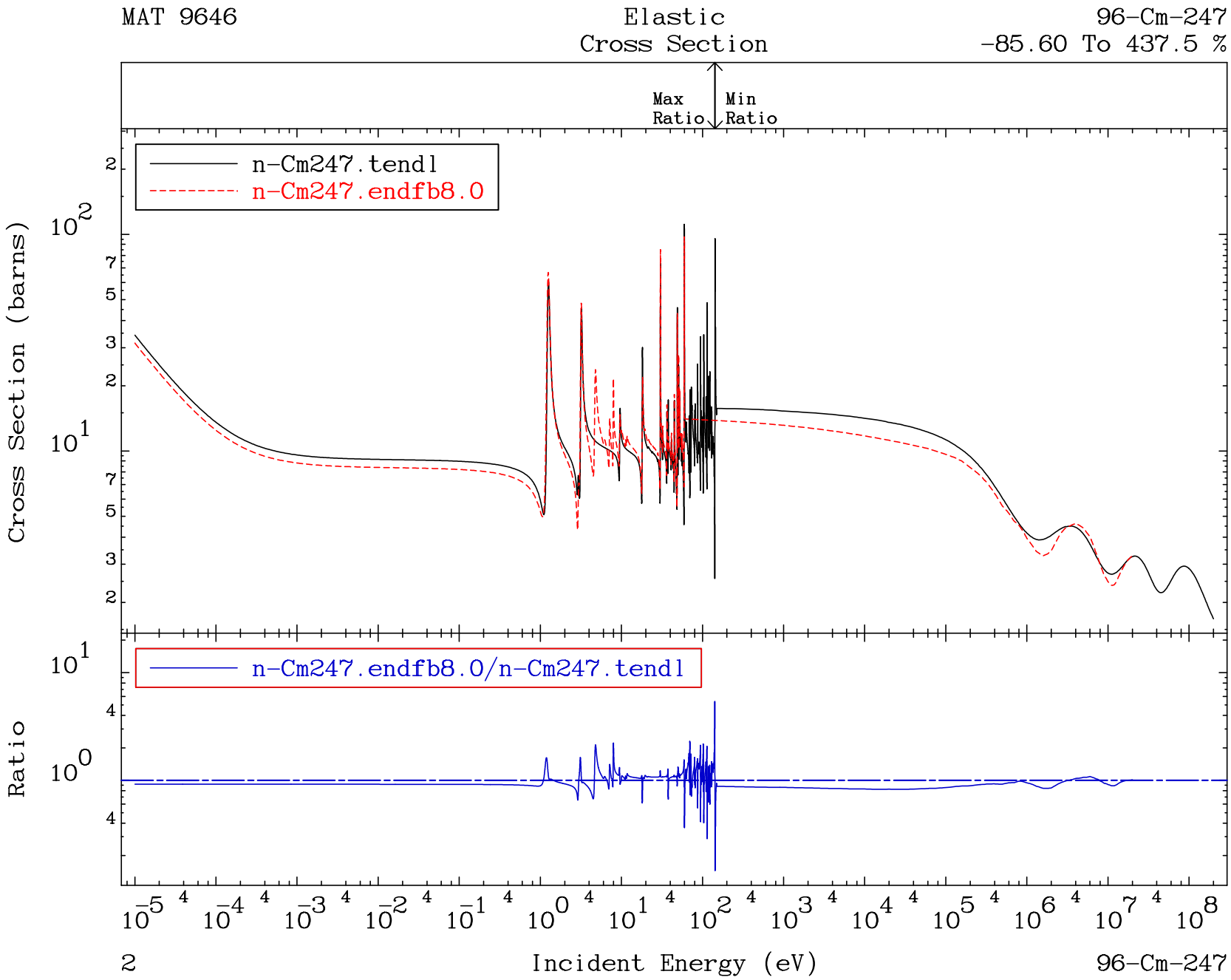
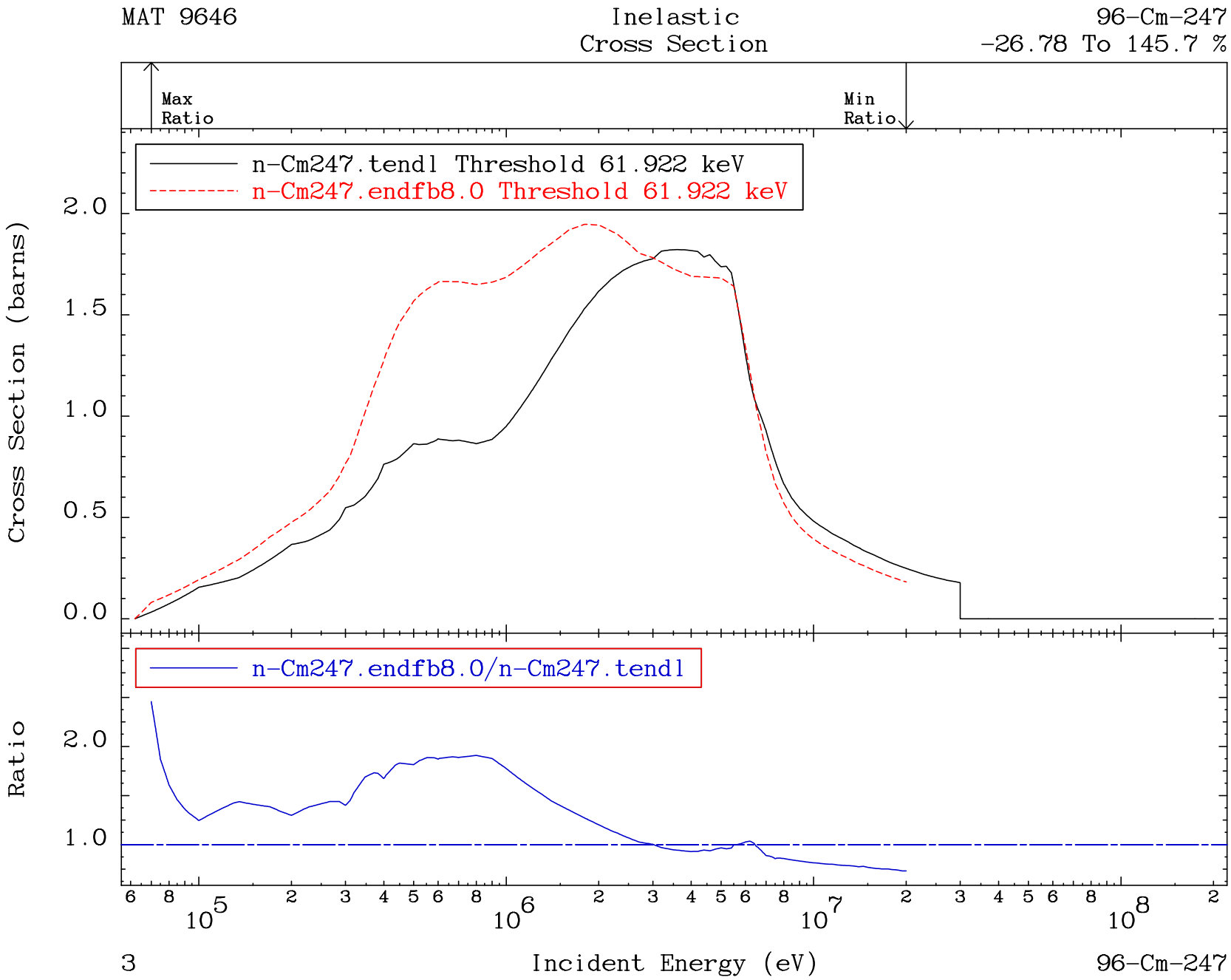

MAT 9646
Total
Cross Section
96-Cm-247
-94.21 To 9053. %
Max
Ratio
Min
Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
1
96-Cm-247

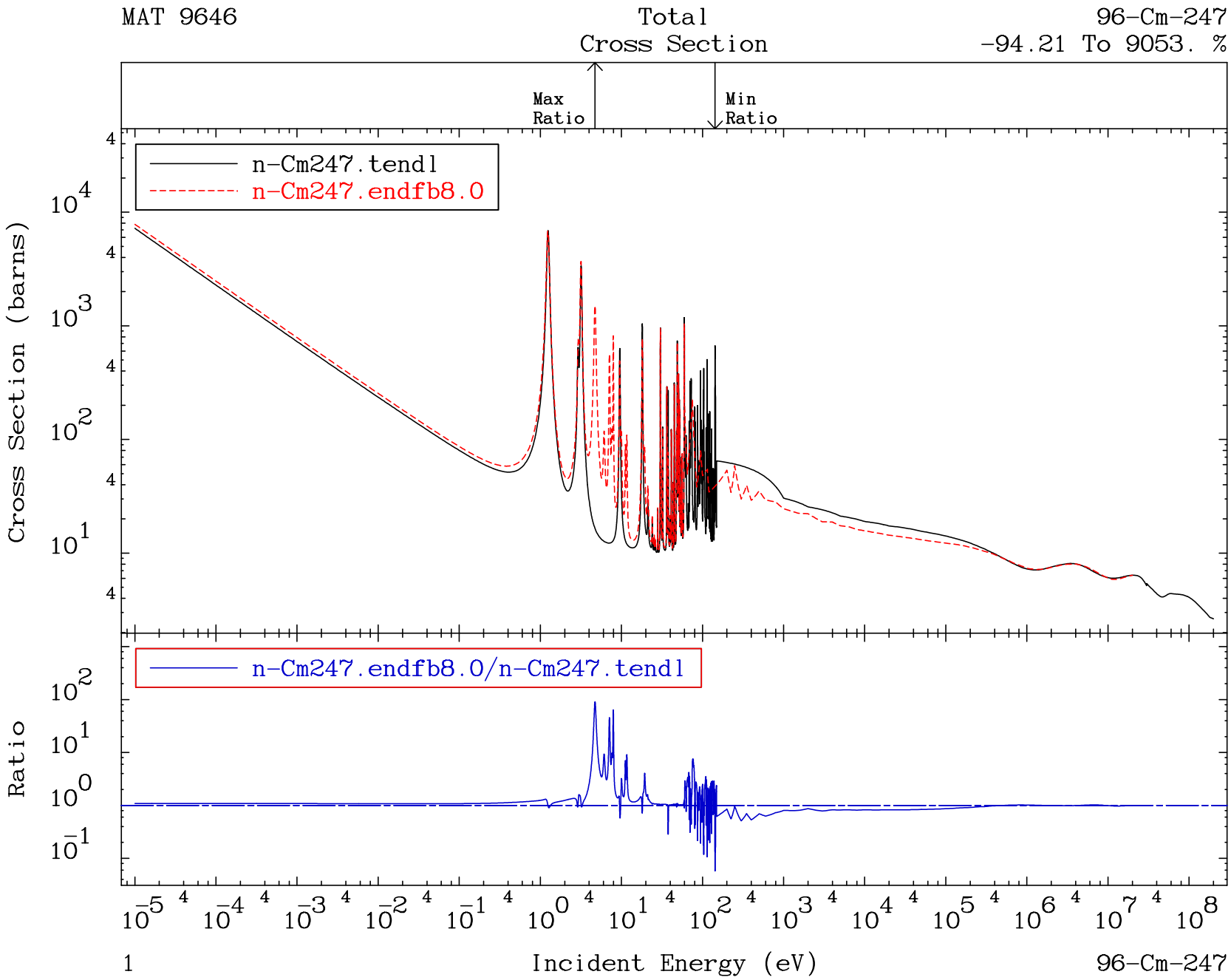

MAT 9646
Elastic
Cross Section
96-Cm-247
-85.60 To 437.5 %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
2
96-Cm-247

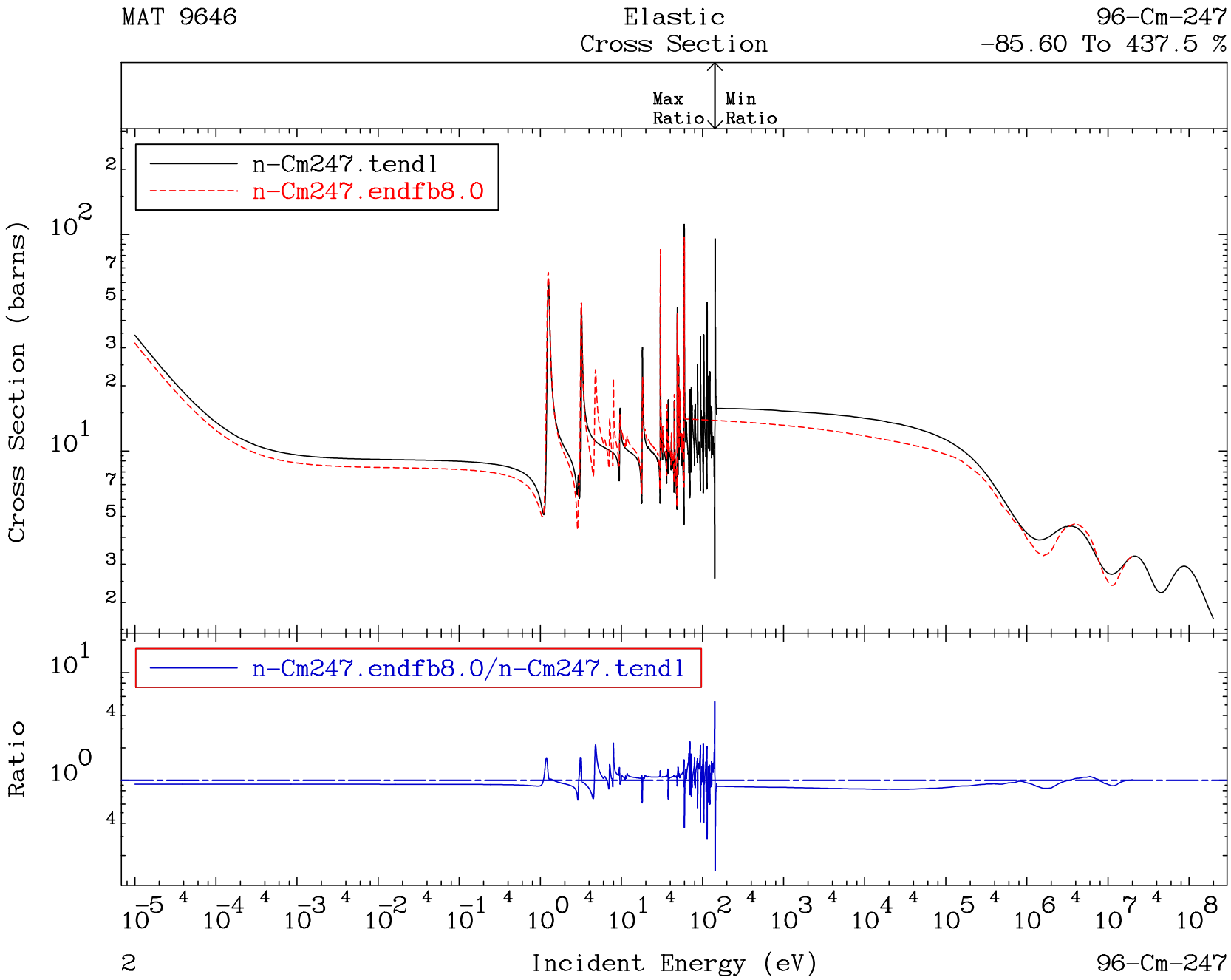

MAT 9646
Inelastic
Cross Section
96-Cm-247
-26.78 To 145.7 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
96-Cm-247

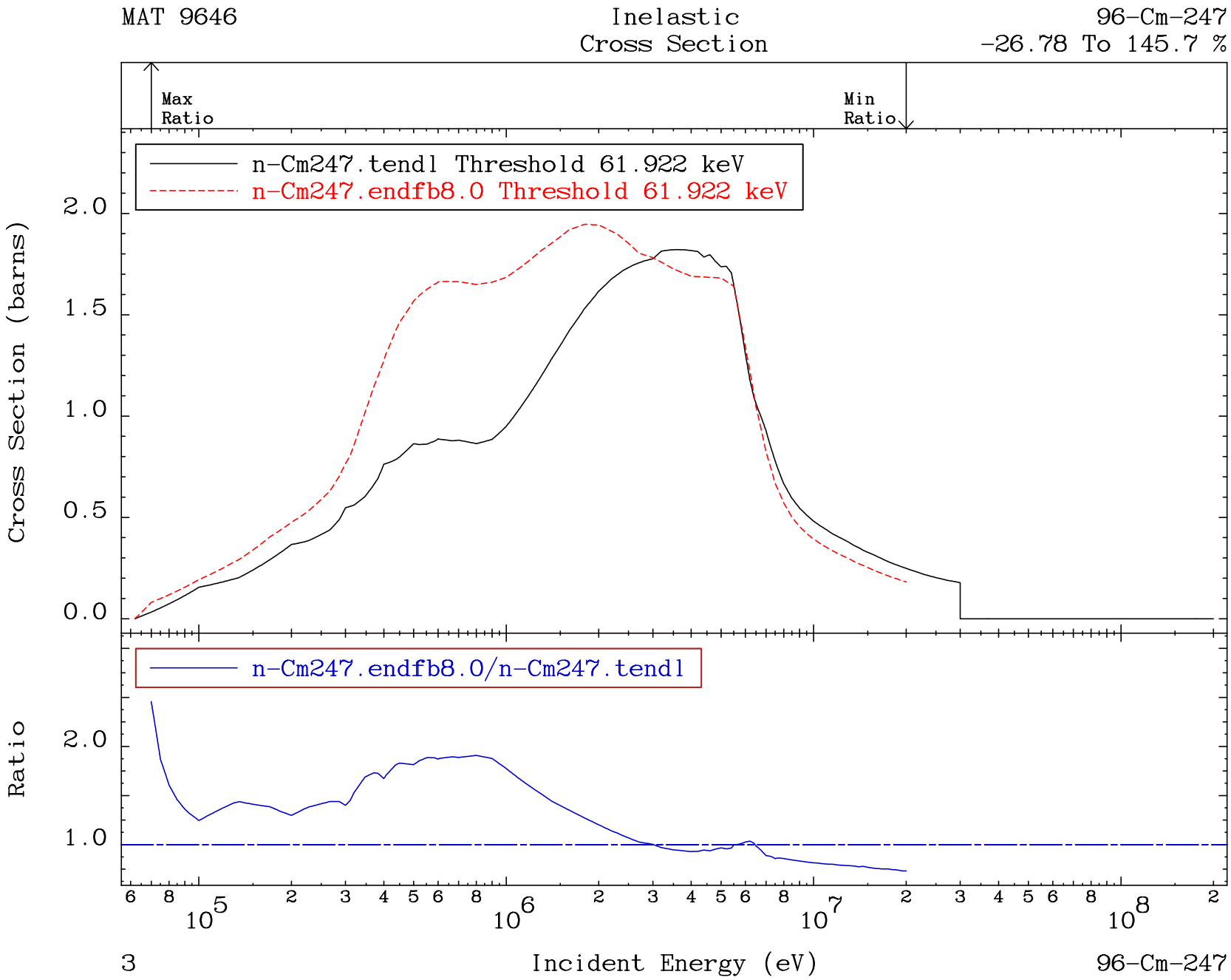

MAT 9646
Total
Cross Section
96-Cm-247
-94.21 To 9053. %
Max
Ratio
Min
Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
1
96-Cm-247

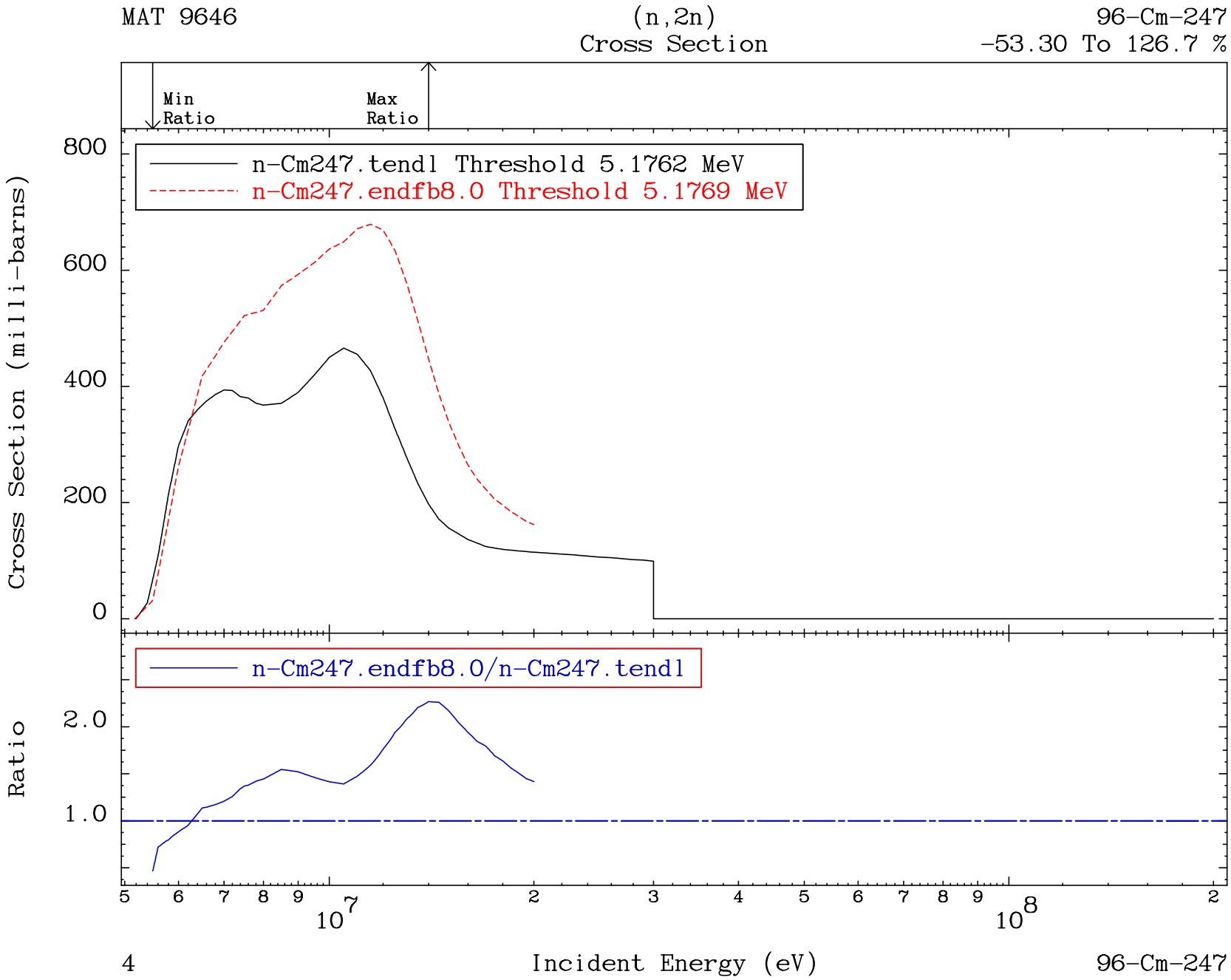

MAT 9646
Elastic
Cross Section
96-Cm-247
-85.60 To 437.5 %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
2
96-Cm-247

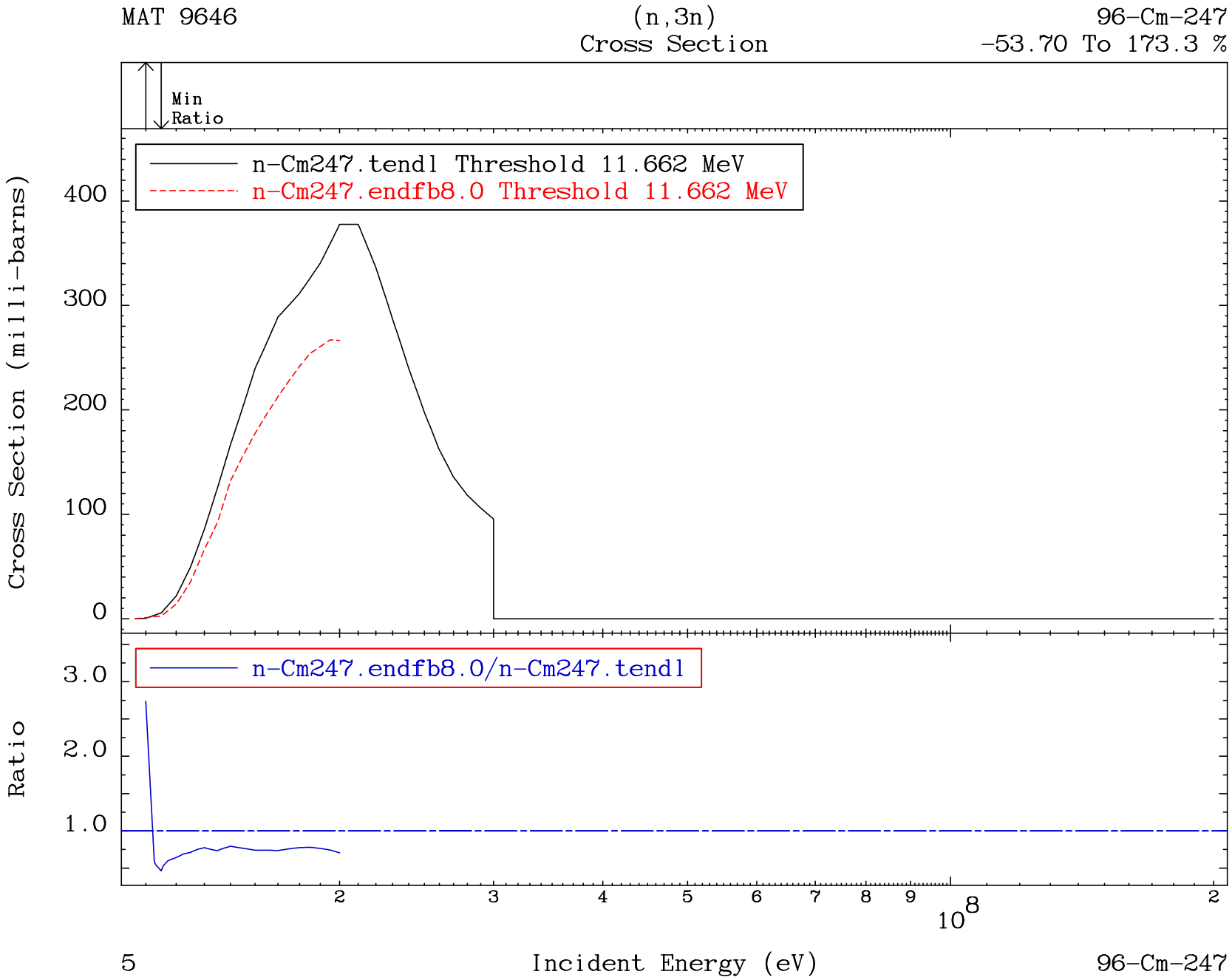

MAT 9646
Inelastic
Cross Section
96-Cm-247
-26.78 To 145.7 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
96-Cm-247

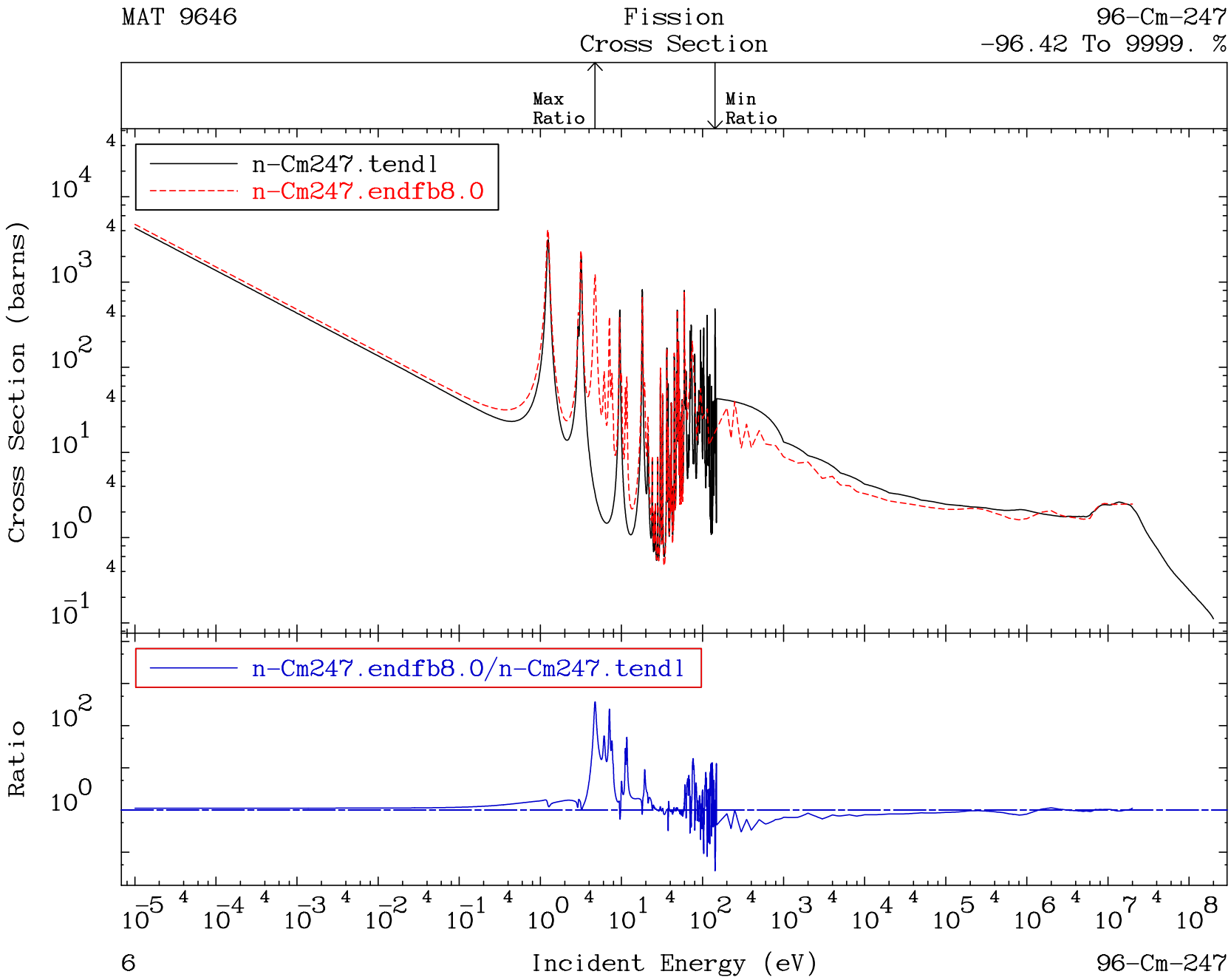

MAT 9646
Total
Cross Section
96-Cm-247
-94.21 To 9053. %
Max
Ratio
Min
Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
1
96-Cm-247

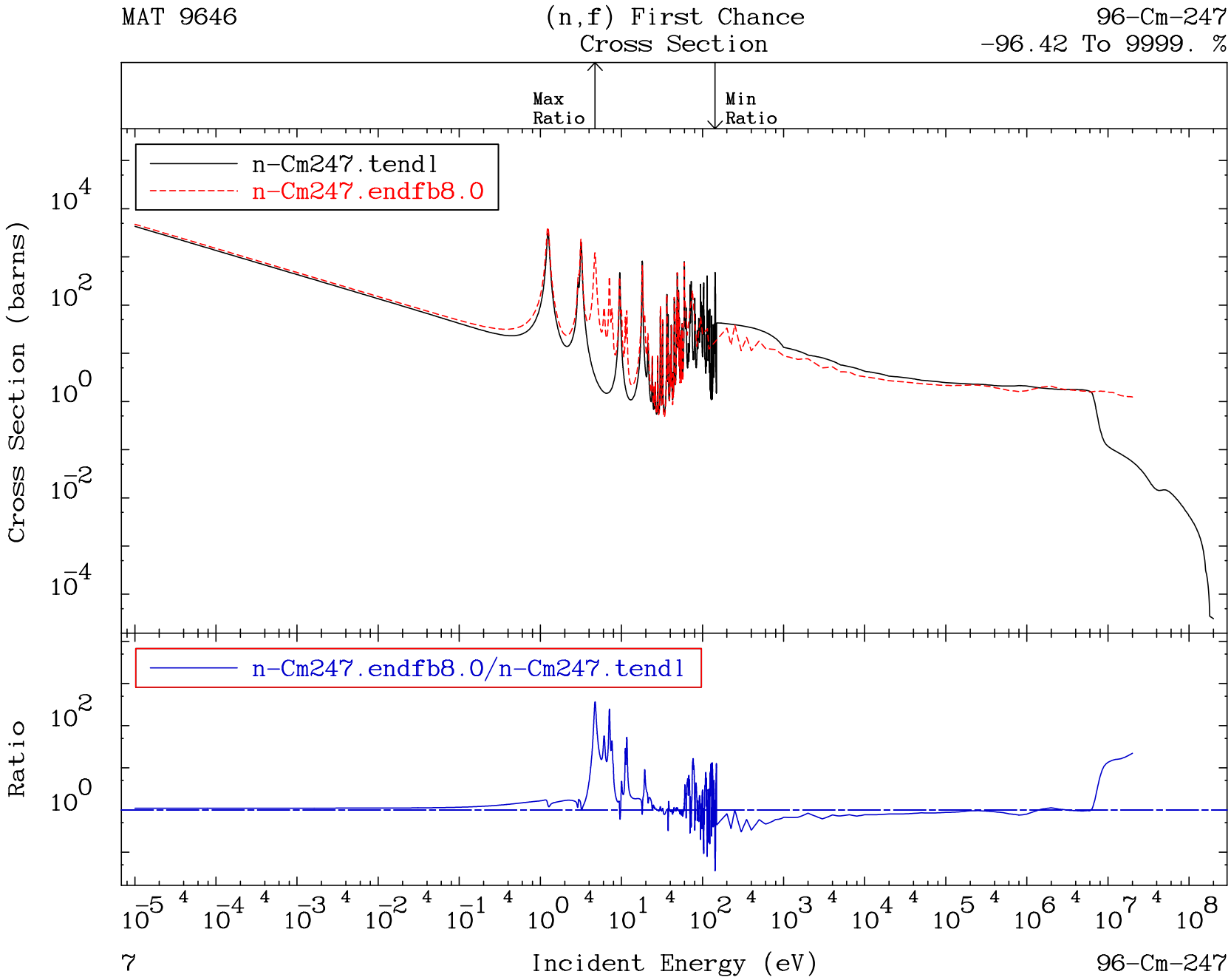

MAT 9646
Elastic
Cross Section
96-Cm-247
-85.60 To 437.5 %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
2
96-Cm-247

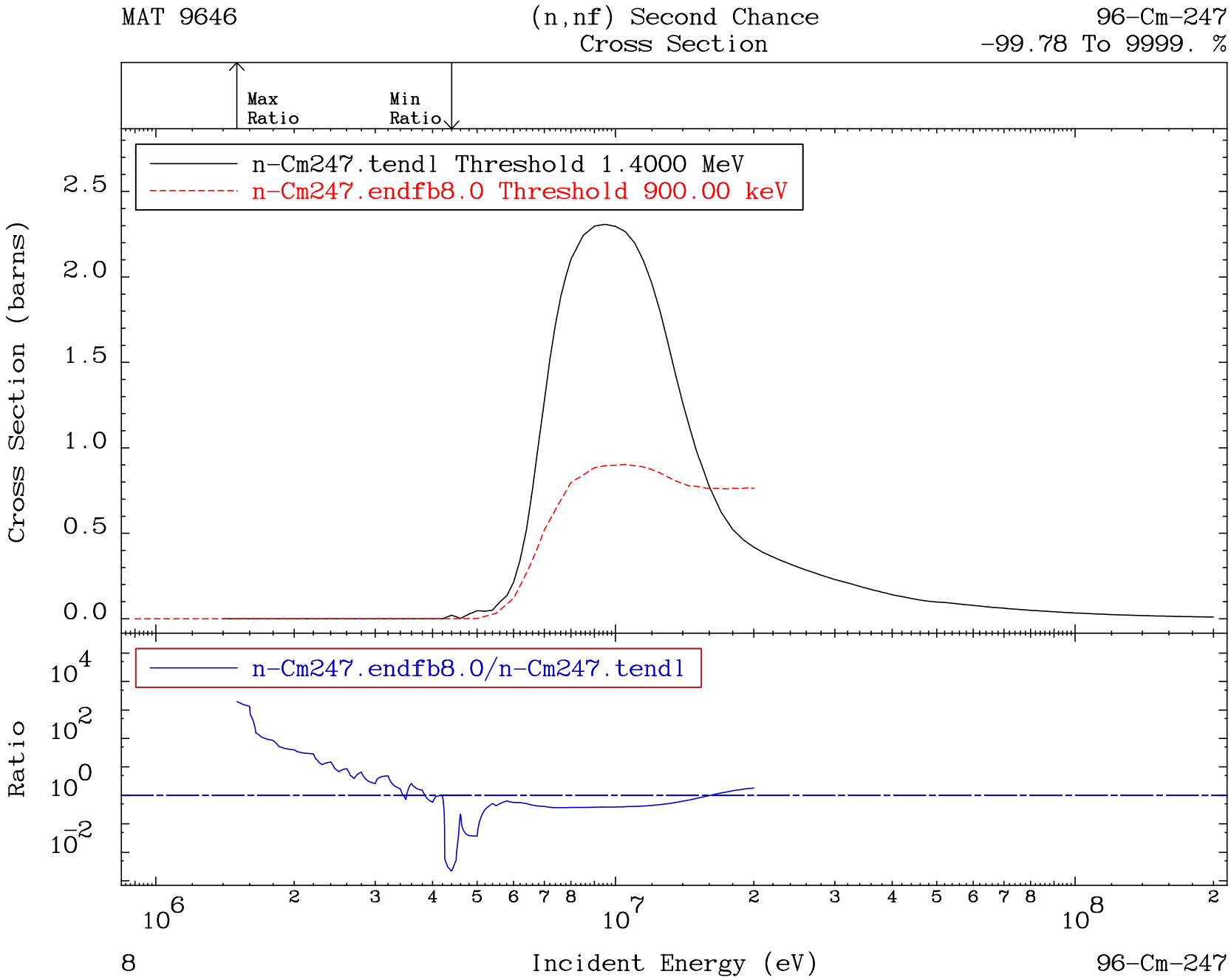

MAT 9646
Inelastic
Cross Section
96-Cm-247
-26.78 To 145.7 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
96-Cm-247

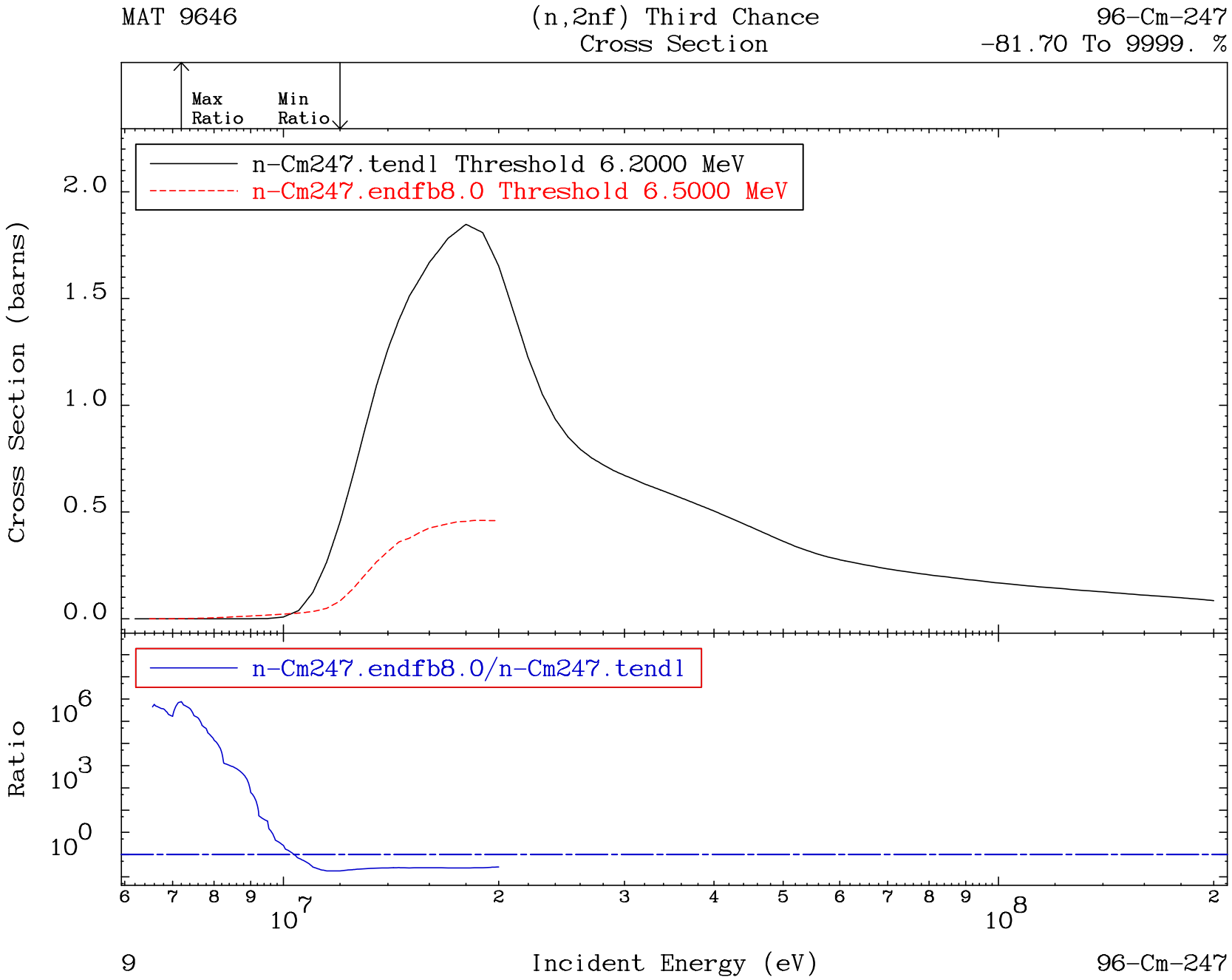

MAT 9646
(n,2n)
Cross Section
96-Cm-247
-53.30 To 126.7 %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 5.1762 MeV
n-Cm247.endfb8.0 Threshold 5.1769 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
96-Cm-247

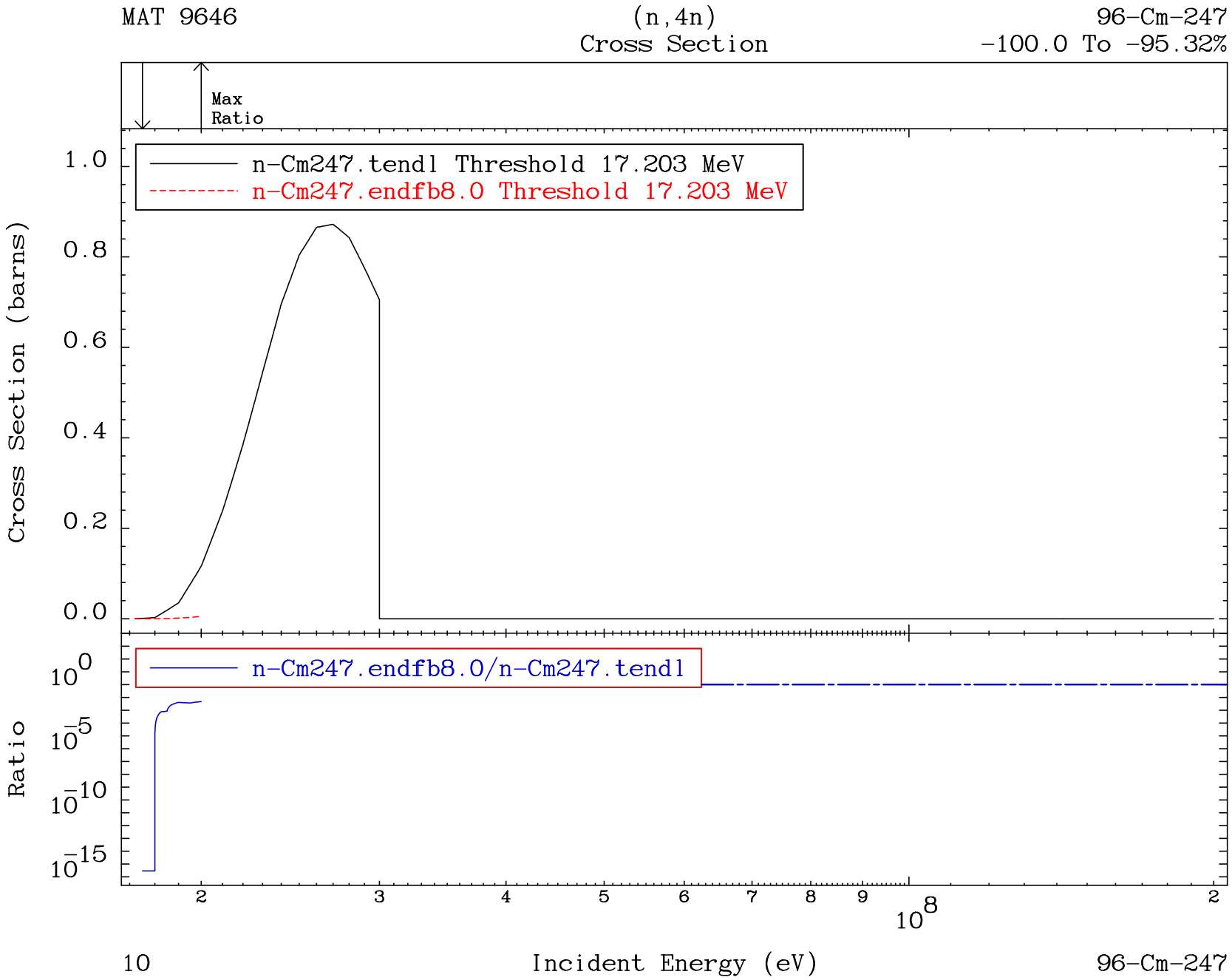

MAT 9646
(n,3n)
Cross Section
96-Cm-247
-53.70 To 173.3 %
Min
Ratio
n-Cm247.tendl Threshold 11.662 MeV
n-Cm247.endfb8.0 Threshold 11.662 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
96-Cm-247

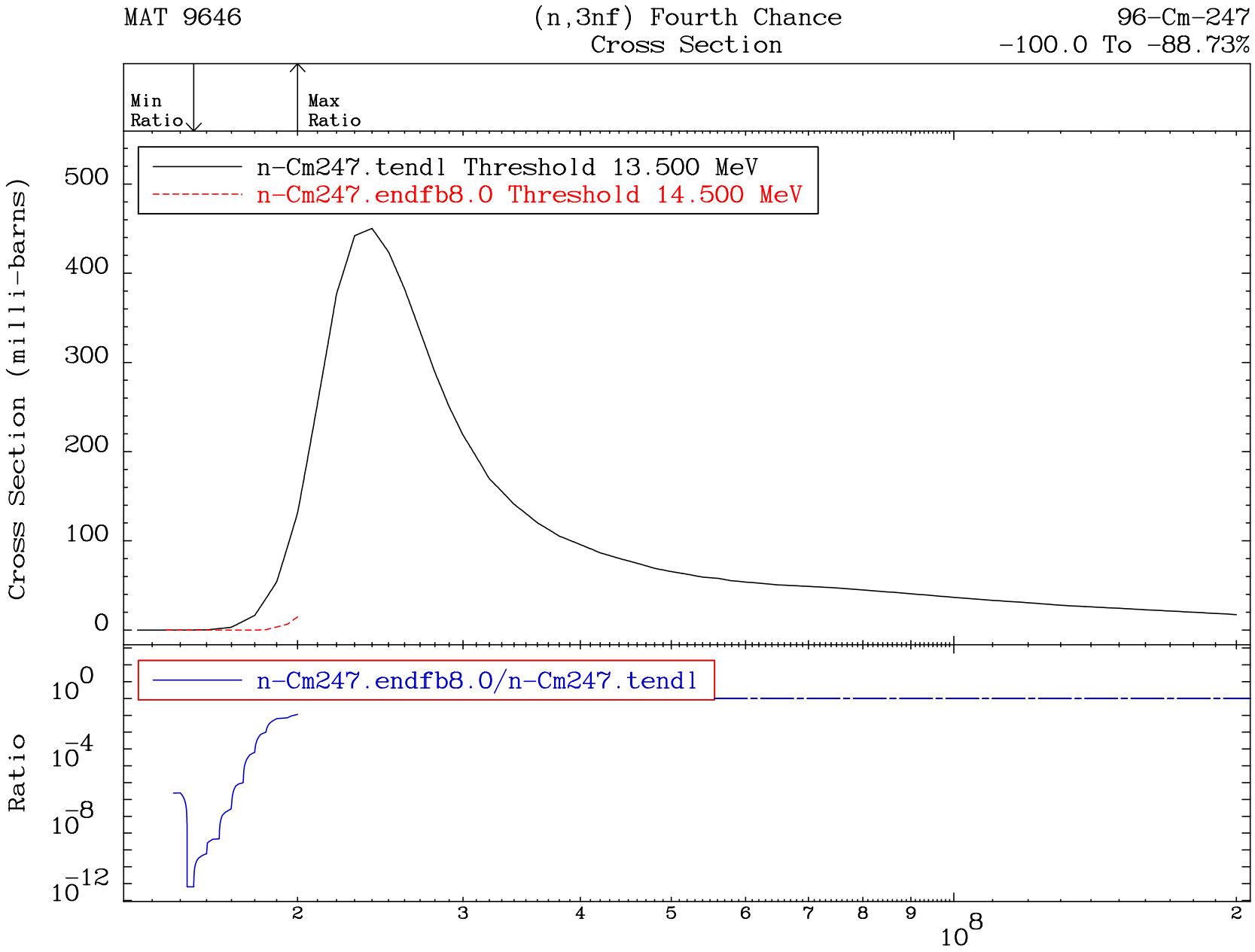

MAT 9646
Fission
Cross Section
96-Cm-247
-96.42 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
6
96-Cm-247

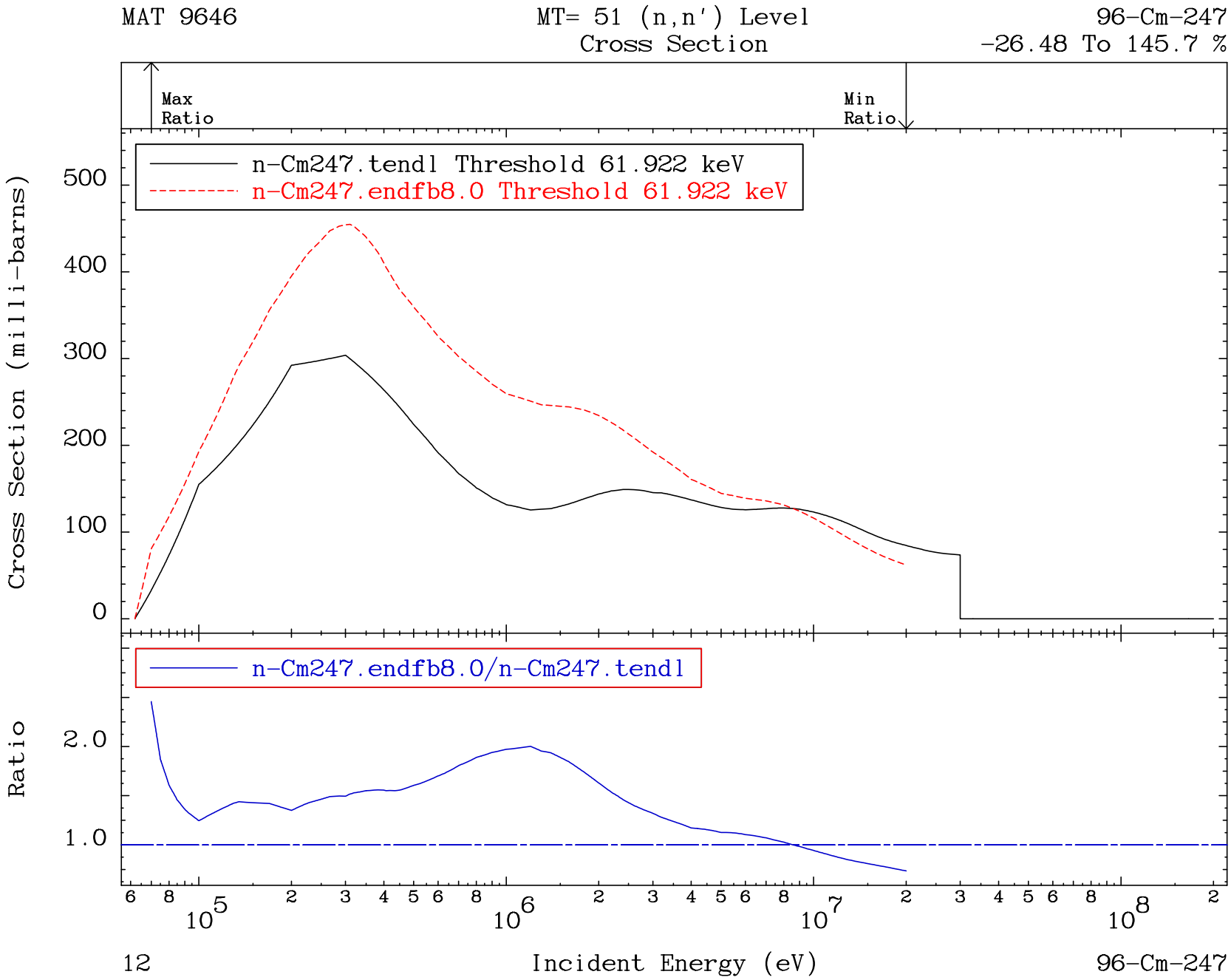

MAT 9646
(n,f) First Chance
Cross Section
96-Cm-247
-96.42 To 9999. %
Max
Ratio
Min
Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
7
96-Cm-247

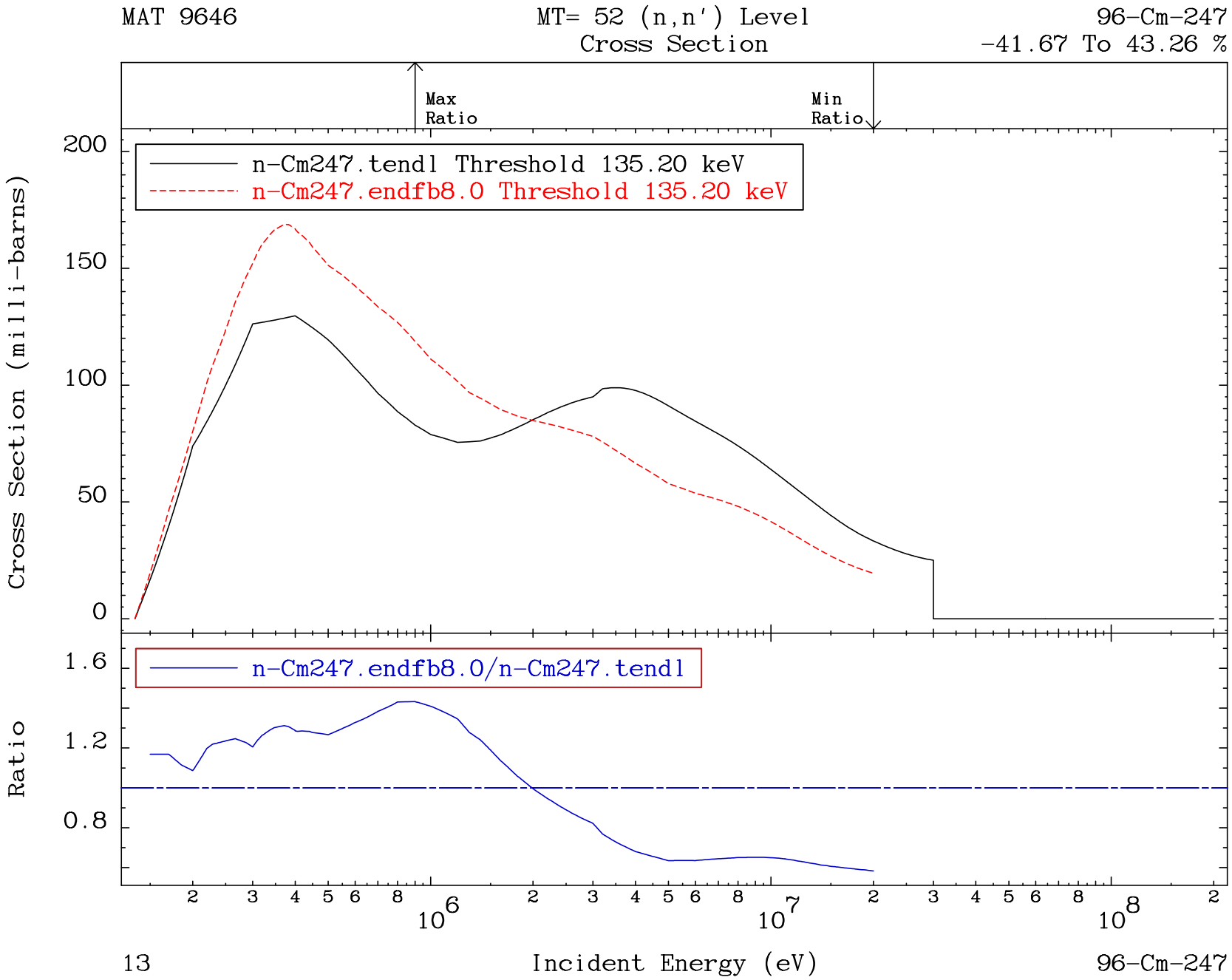

MAT 9646
(n,nf) Second Chance
Cross Section
96-Cm-247
-99.78 To 9999. %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 1.4000 MeV
n-Cm247.endfb8.0 Threshold 900.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^4
10^2
10^0
10^-2
10^6
10^7
10^8
2 3 4 5 6 7 8
Incident Energy (eV)
8
96-Cm-247

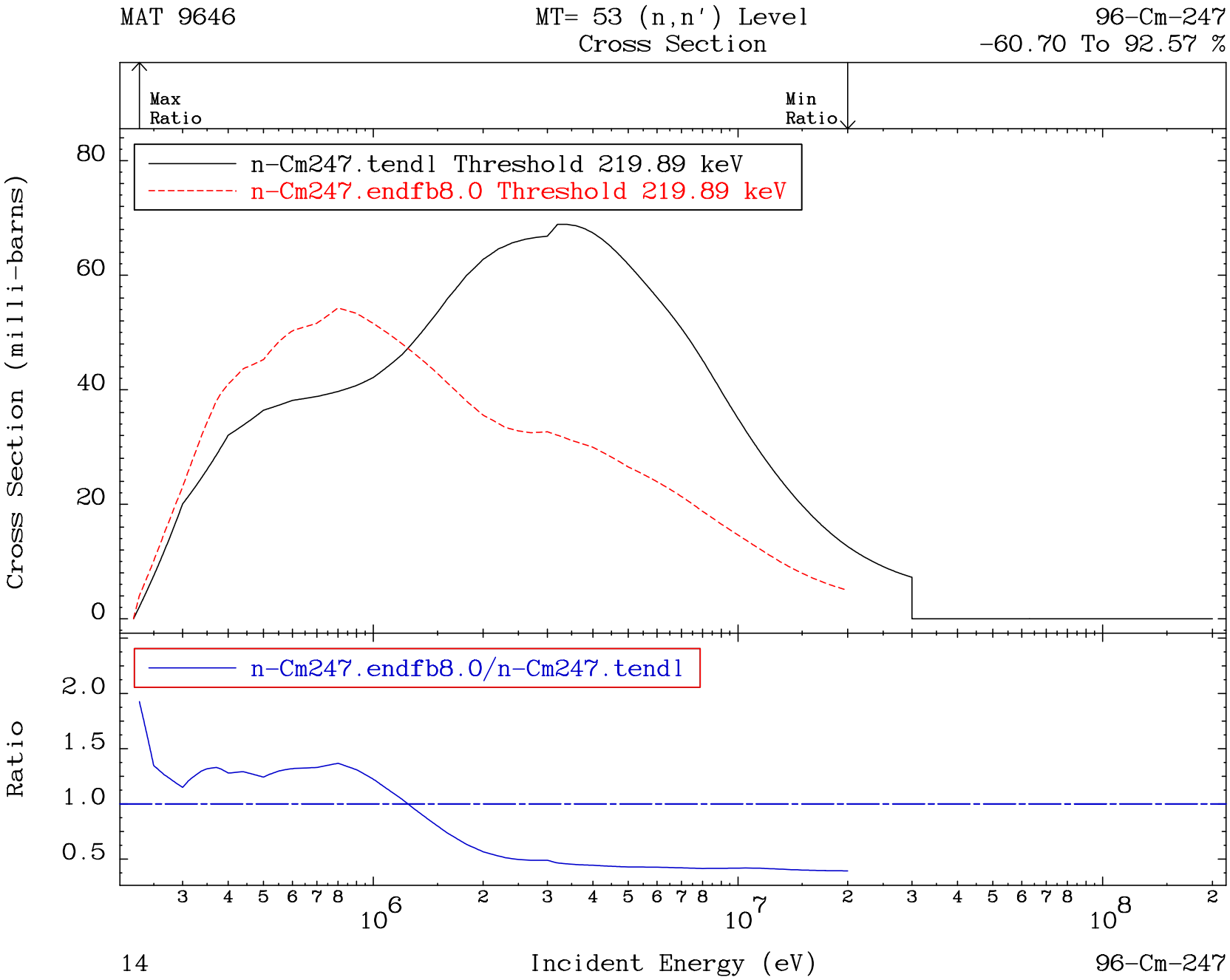

MAT 9646
(n,2nf) Third Chance
Cross Section
96-Cm-247
-81.70 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 6.2000 MeV
n-Cm247.endfb8.0 Threshold 6.5000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^6
10^3
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
96-Cm-247

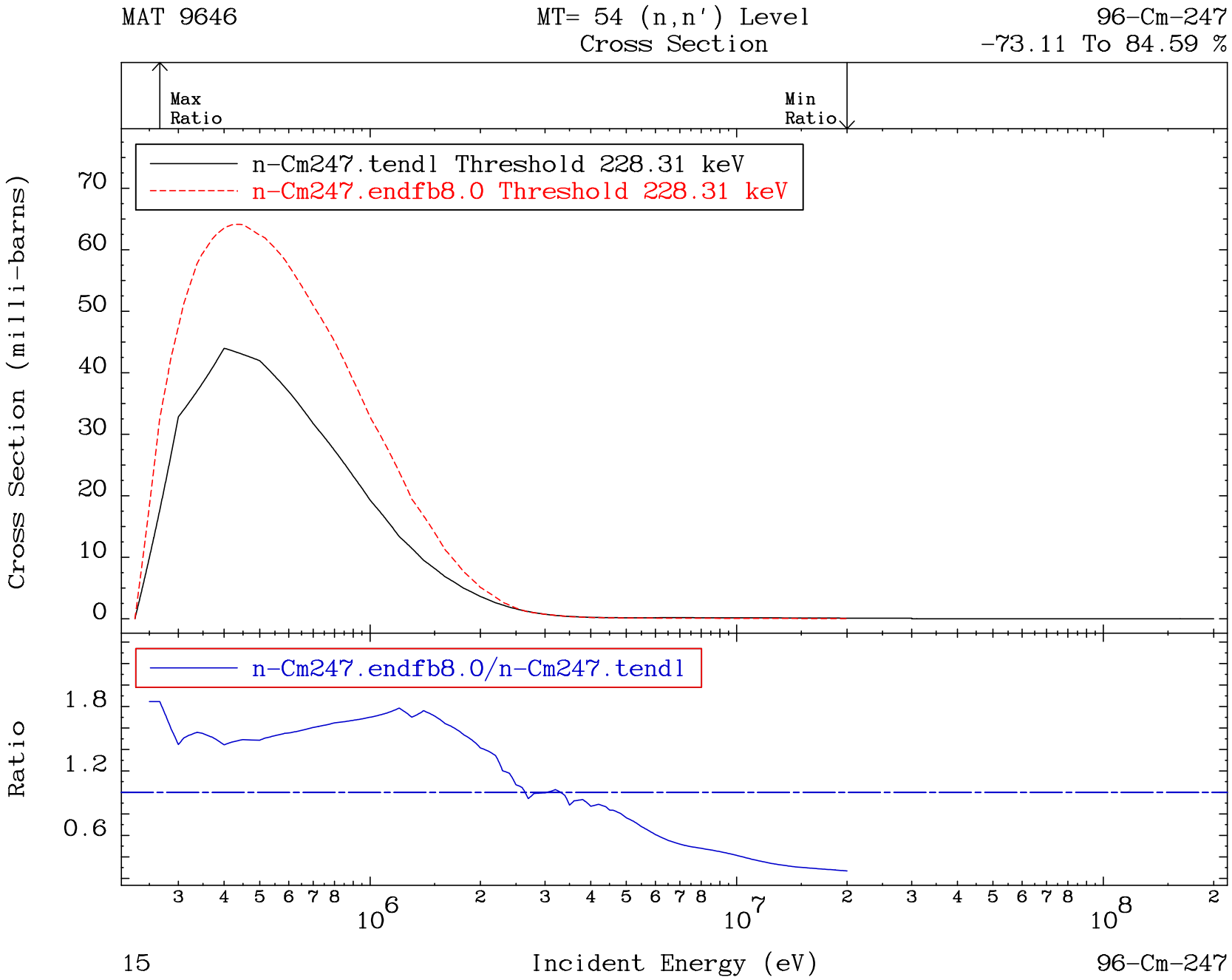

MAT 9646
(n,4n)
Cross Section
96-Cm-247
-100.0 To -95.32%
Max
Ratio
n-Cm247.tendl Threshold 17.203 MeV
n-Cm247.endfb8.0 Threshold 17.203 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
96-Cm-247

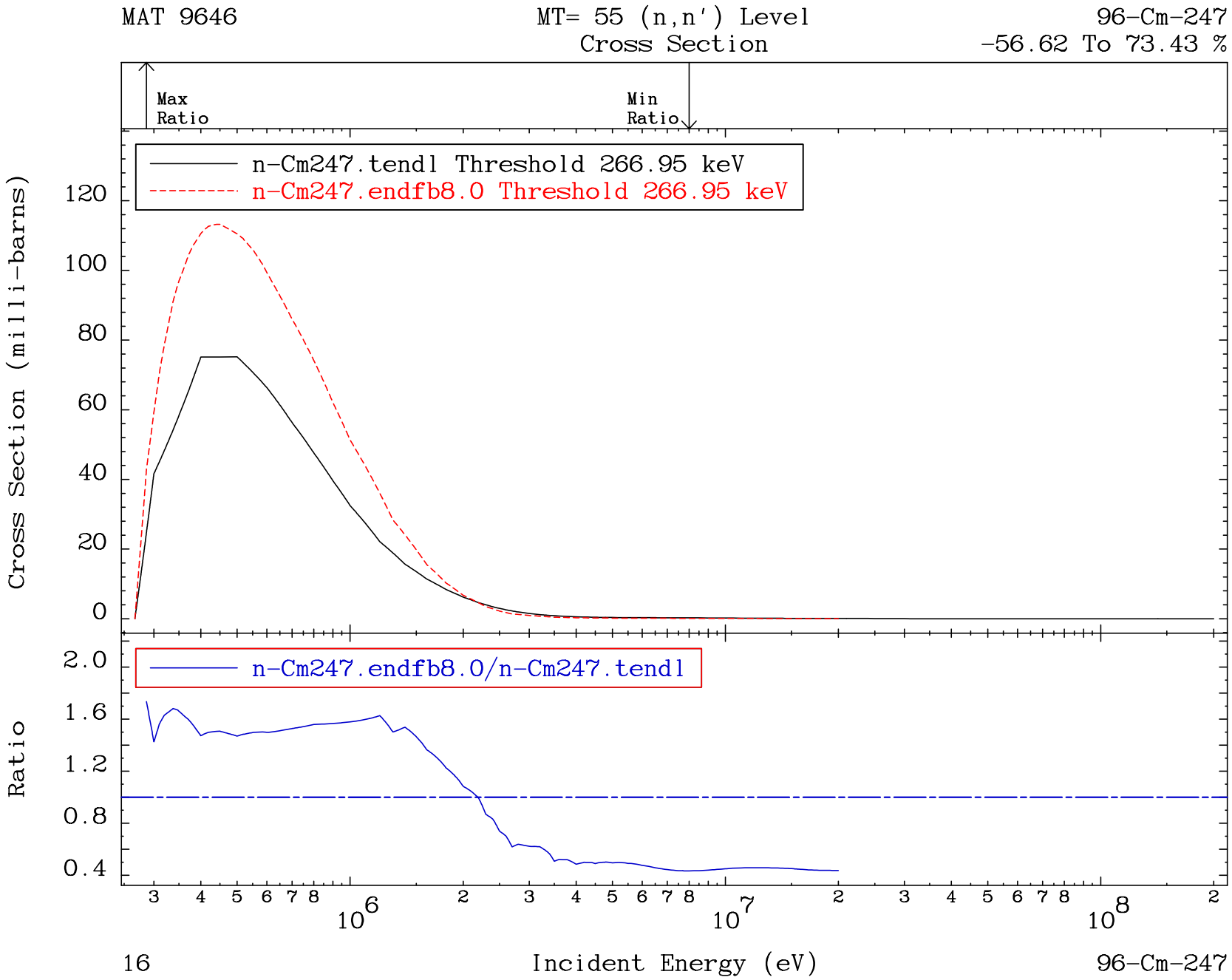

MAT 9646
(n,3nf) Fourth Chance
Cross Section
96-Cm-247
-100.0 To -88.73%
Min
Ratio
Max
Ratio
n-Cm247.tendl Threshold 13.500 MeV
n-Cm247.endfb8.0 Threshold 14.500 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^0
10^-4
10^-8
10^-12
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
96-Cm-247

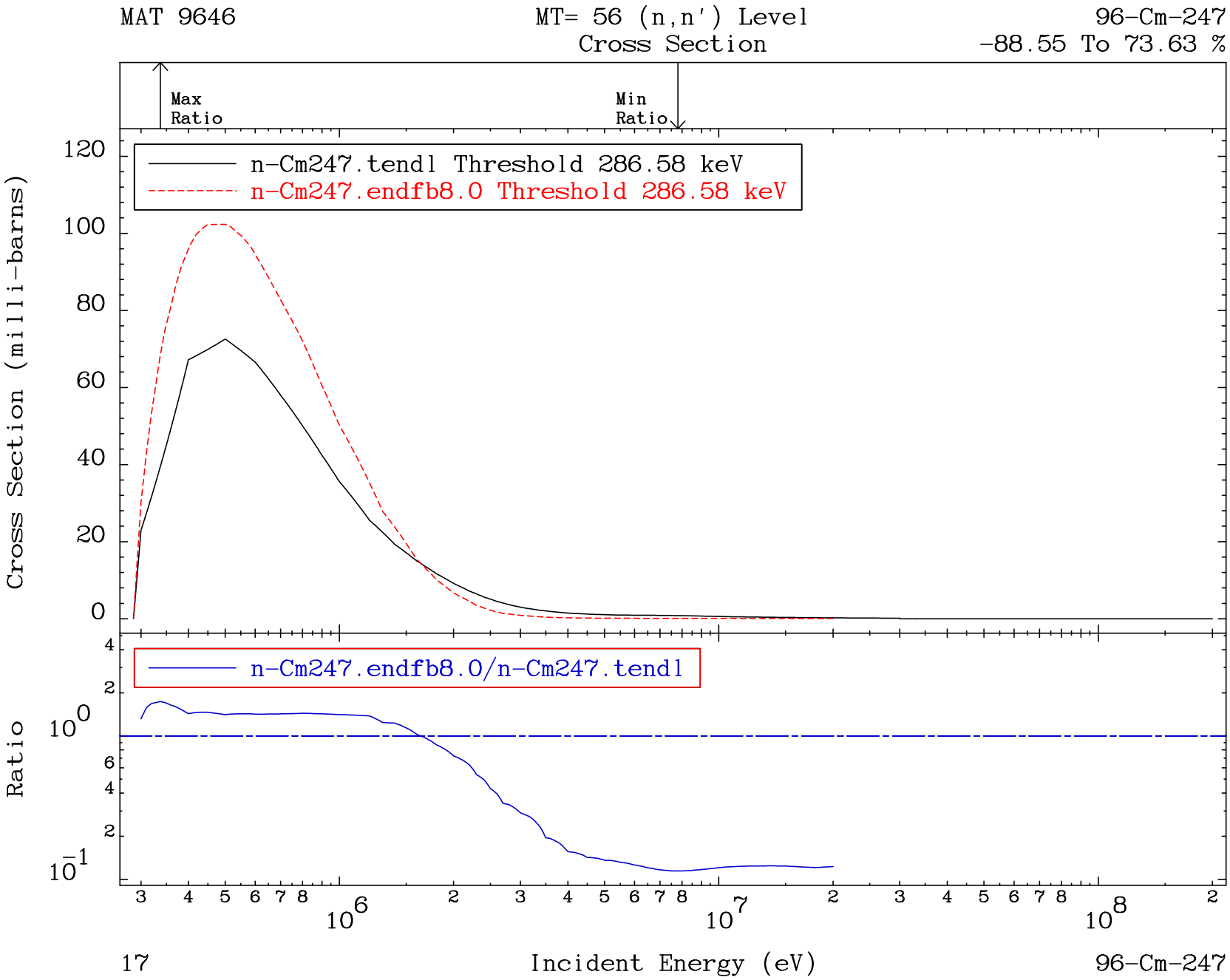

MAT 9646
MT= 51 (n,n') Level
Cross Section
96-Cm-247
-26.48 To 145.7 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
96-Cm-247

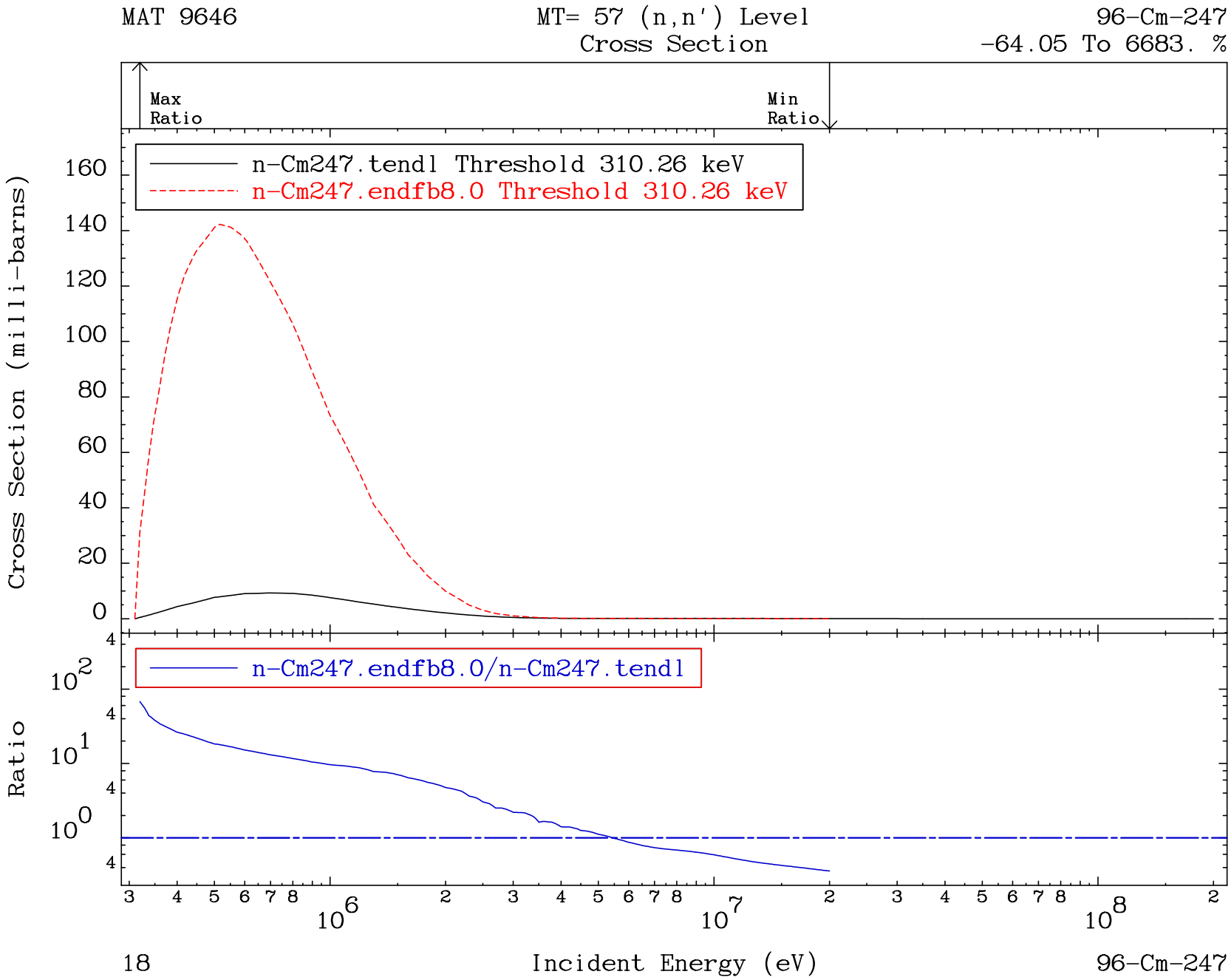

MAT 9646
MT= 52 (n,n') Level
Cross Section
96-Cm-247
-41.67 To 43.26 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 135.20 keV
n-Cm247.endfb8.0 Threshold 135.20 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.6
1.2
0.8
2
3
4
5
6
8
10^6
10^7
10^8
13
Incident Energy (eV)
96-Cm-247

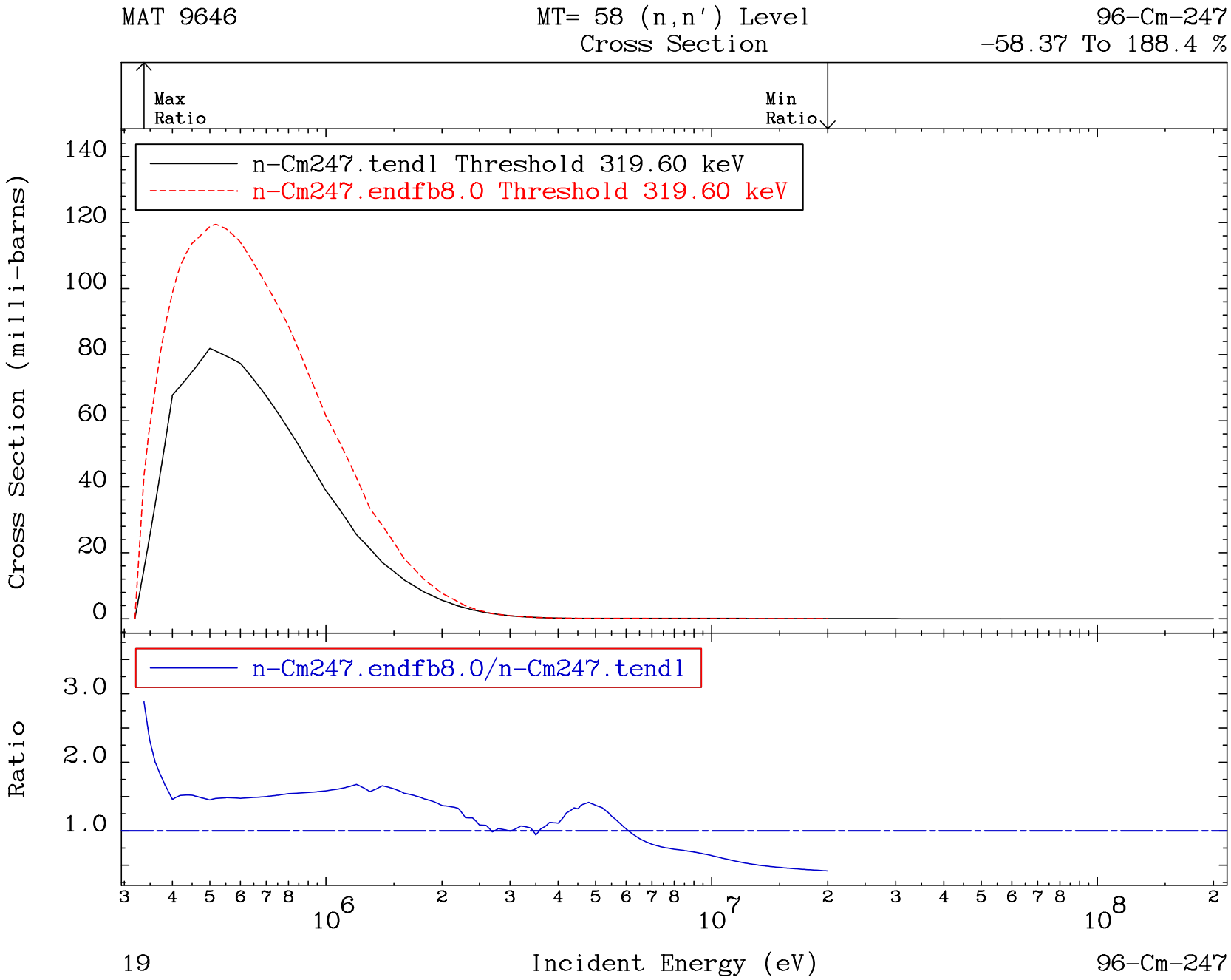

MAT 9646
MT= 53 (n,n') Level
Cross Section
96-Cm-247
-60.70 To 92.57 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 219.89 keV
n-Cm247.endfb8.0 Threshold 219.89 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.5
1.0
0.5
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
96-Cm-247

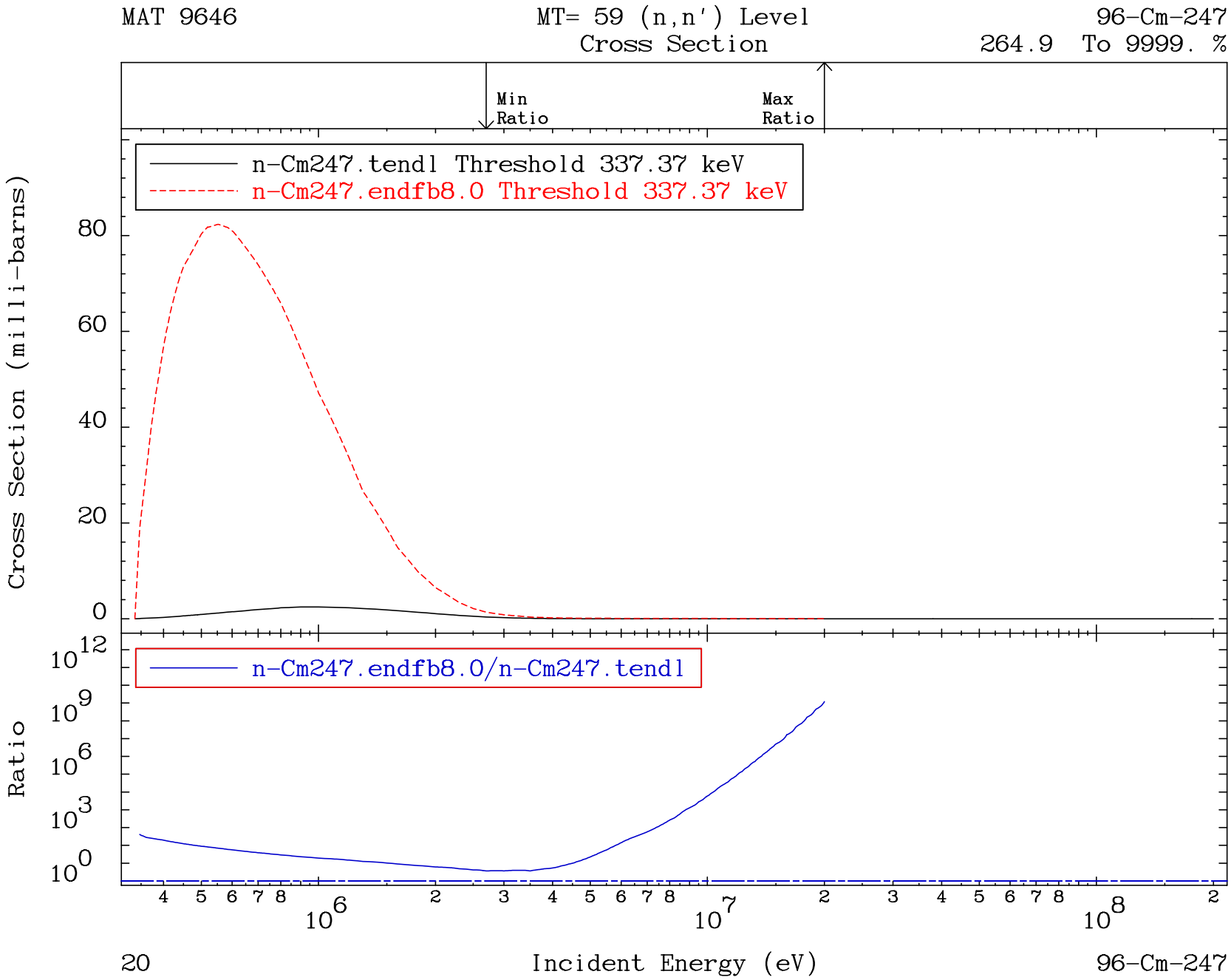

MAT 9646
MT= 54 (n,n') Level
Cross Section
96-Cm-247
-73.11 To 84.59 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 228.31 keV
n-Cm247.endfb8.0 Threshold 228.31 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.8
1.2
0.6
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
96-Cm-247

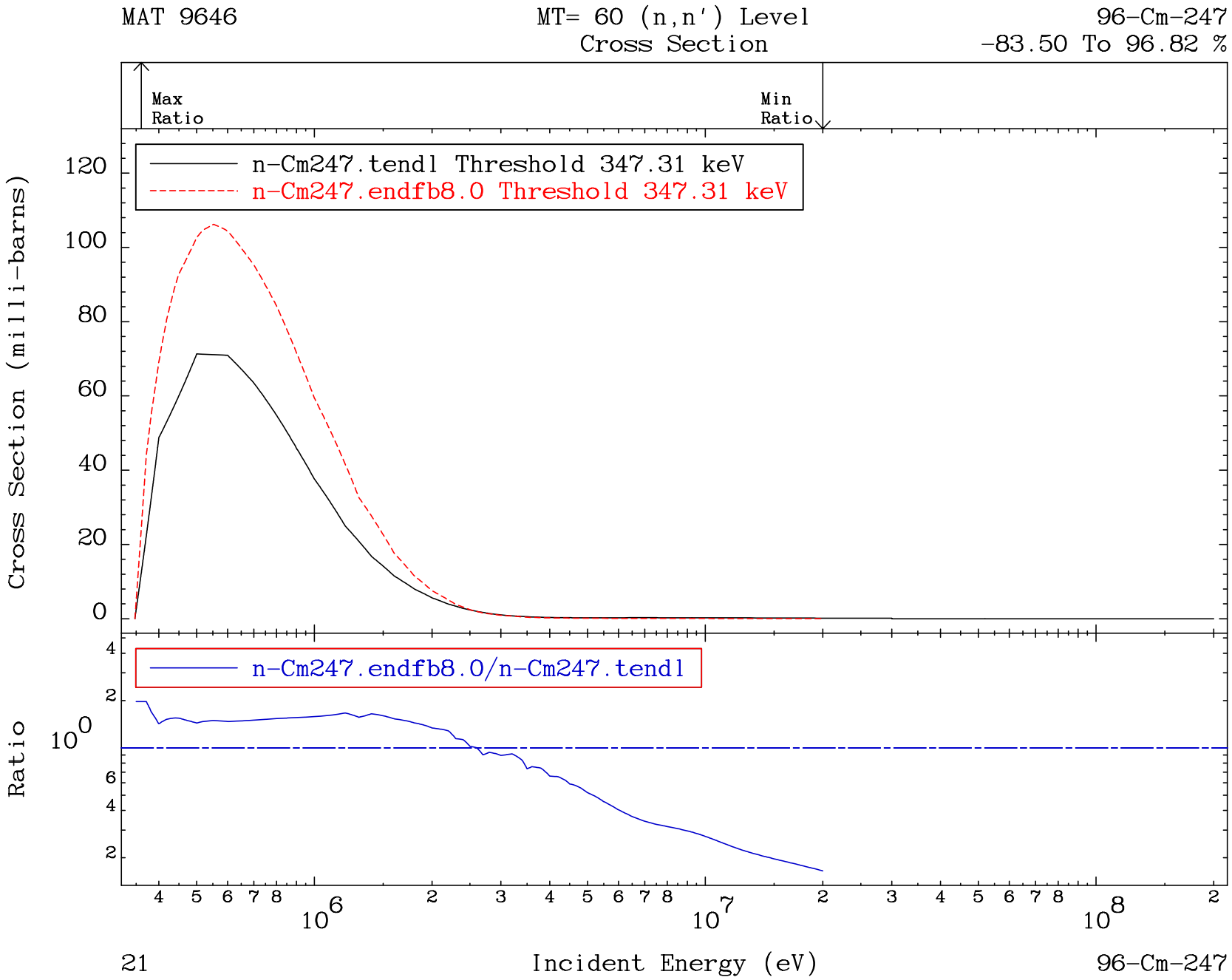

MAT 9646
MT= 55 (n,n') Level
Cross Section
96-Cm-247
-56.62 To 73.43 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 266.95 keV
n-Cm247.endfb8.0 Threshold 266.95 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
2.0
1.6
1.2
0.8
0.4
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
96-Cm-247

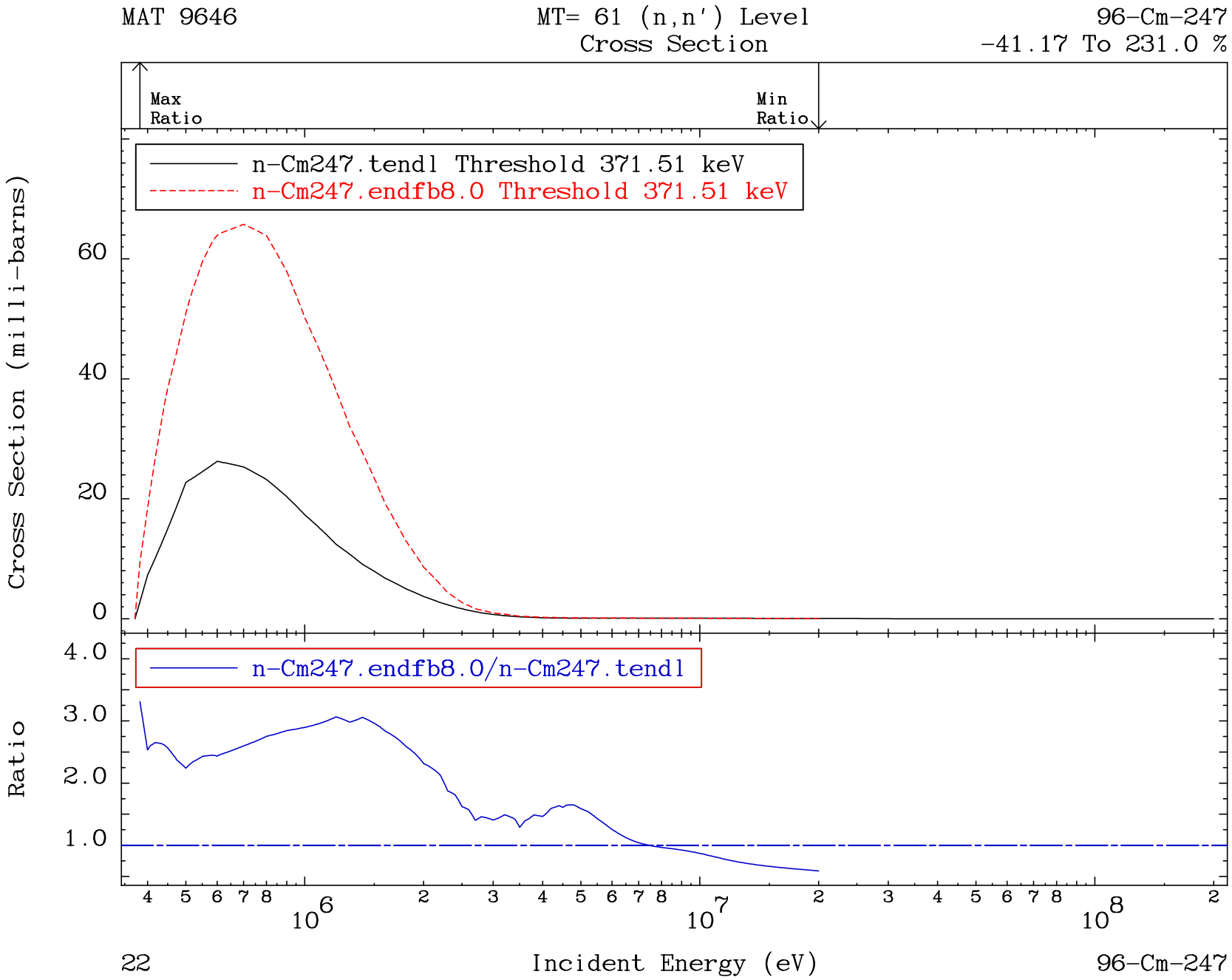

MAT 9646
MT= 56 (n,n') Level
Cross Section
96-Cm-247
-88.55 To 73.63 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 286.58 keV
n-Cm247.endfb8.0 Threshold 286.58 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^{0}
10^{-1}
10^{6}
10^{7}
10^{8}
17
Incident Energy (eV)
96-Cm-247

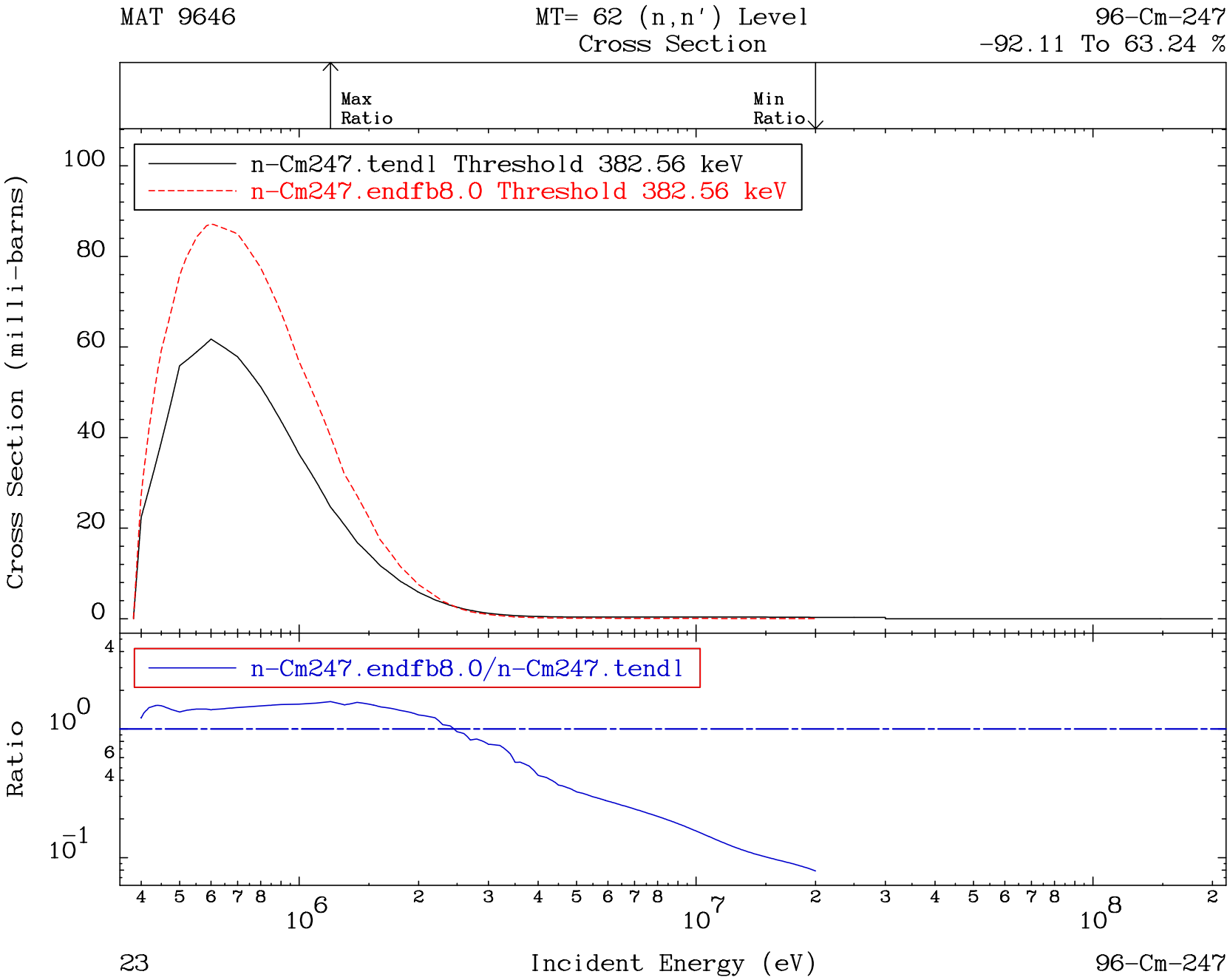

MAT 9646
MT= 57 (n,n') Level
Cross Section
96-Cm-247
-64.05 To 6683. %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 310.26 keV
n-Cm247.endfb8.0 Threshold 310.26 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
96-Cm-247

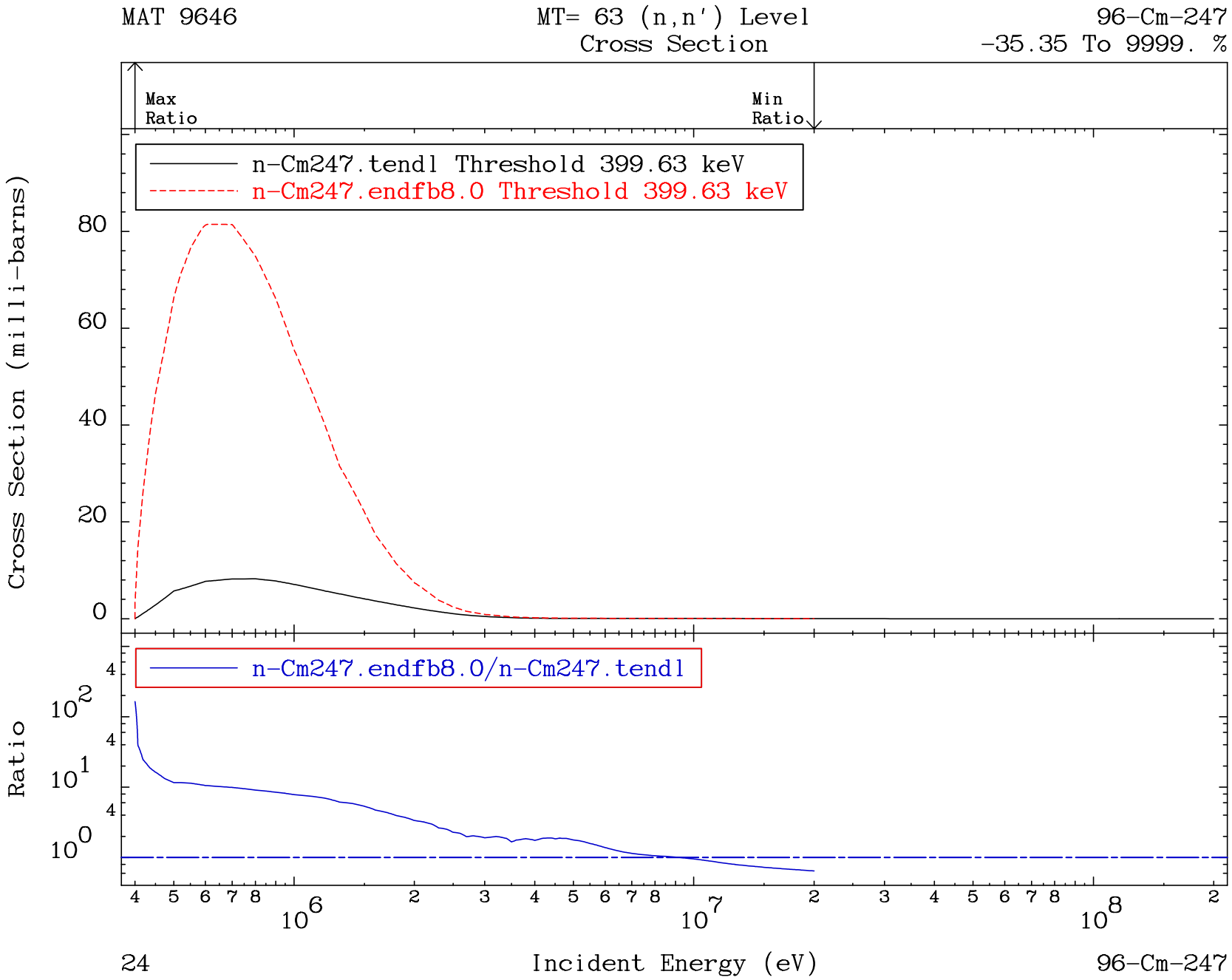

MAT 9646
MT= 58 (n,n') Level
Cross Section
96-Cm-247
-58.37 To 188.4 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 319.60 keV
n-Cm247.endfb8.0 Threshold 319.60 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
3.0
2.0
1.0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
96-Cm-247

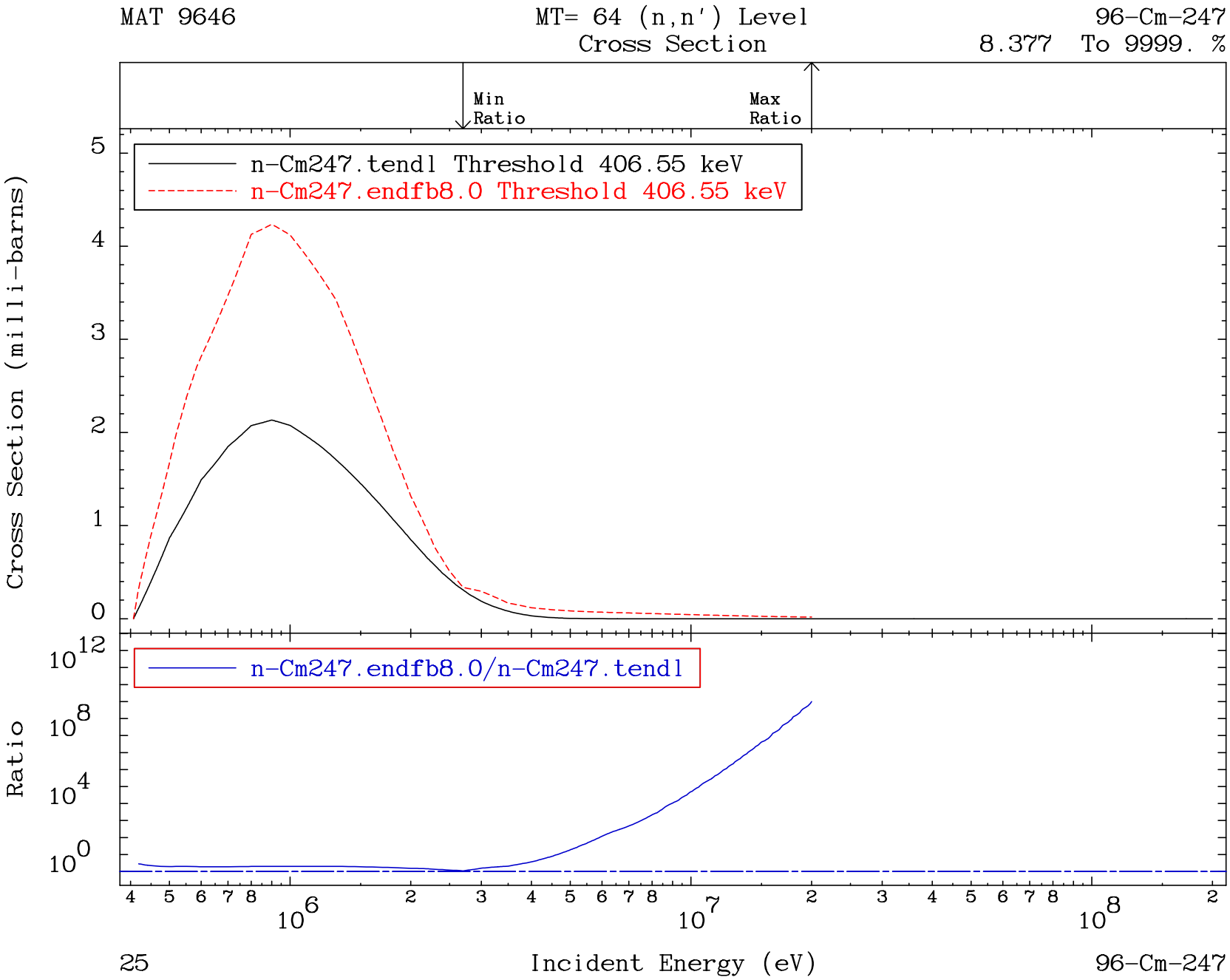

MAT 9646
MT= 59 (n,n') Level
Cross Section
96-Cm-247
264.9 To 9999. %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 337.37 keV
n-Cm247.endfb8.0 Threshold 337.37 keV
Cross Section (milli-barns)
0
20
40
60
80
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^0
10^3
10^6
10^9
10^12
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
96-Cm-247

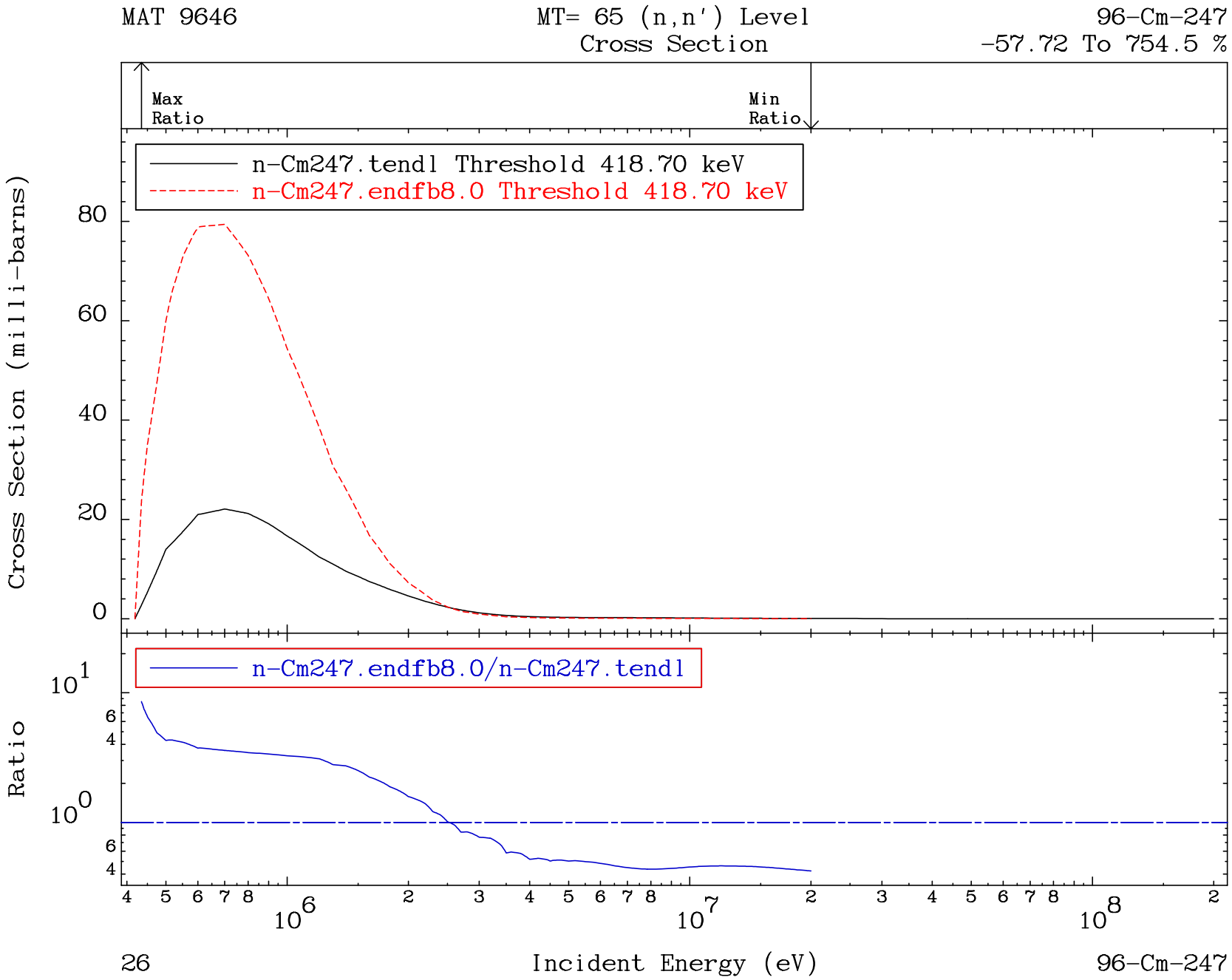

MAT 9646
MT= 60 (n,n') Level
Cross Section
96-Cm-247
-83.50 To 96.82 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 347.31 keV
n-Cm247.endfb8.0 Threshold 347.31 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
4
2
10^0
6
4
2
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
96-Cm-247

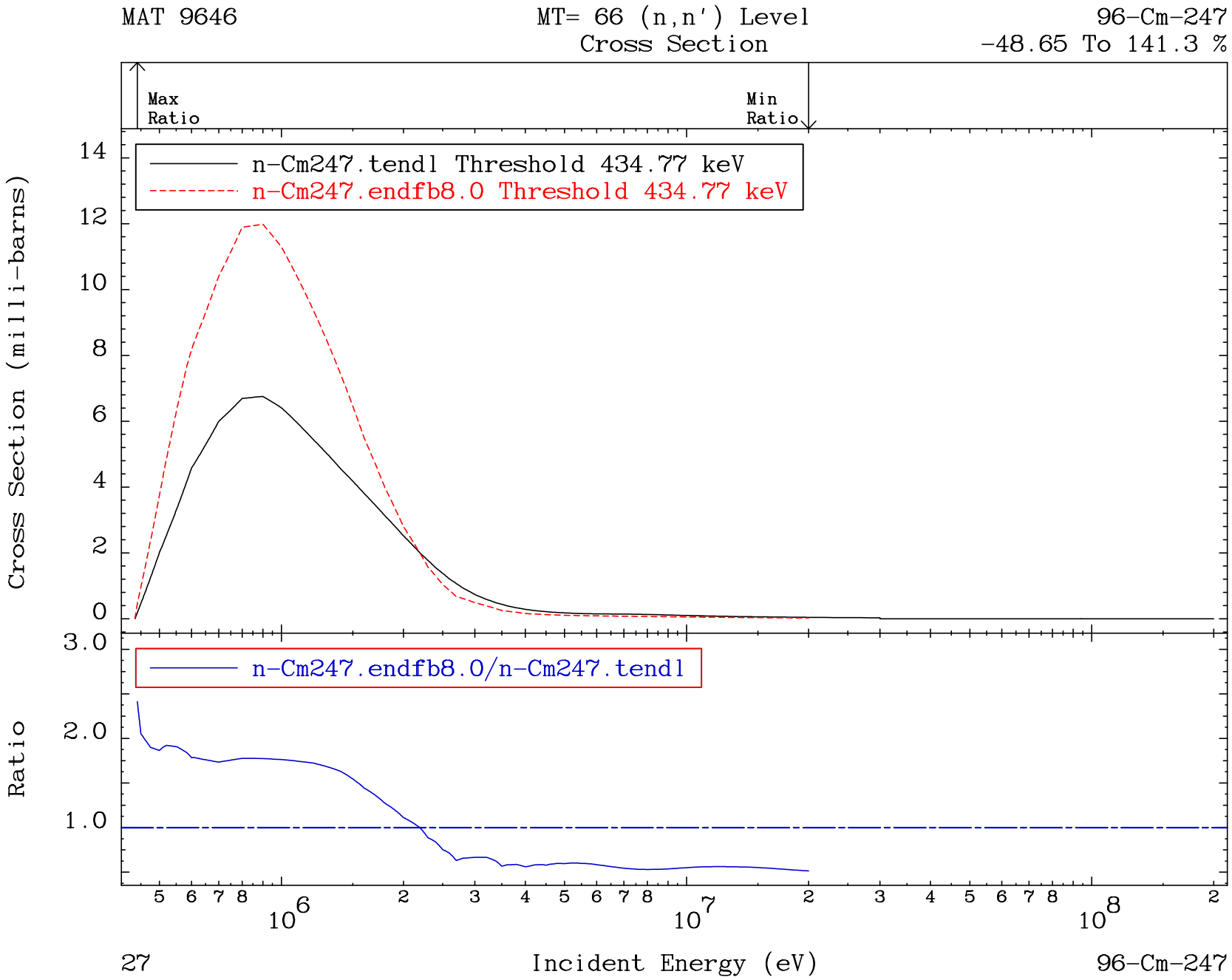

MAT 9646
MT= 61 (n,n') Level
Cross Section
96-Cm-247
-41.17 To 231.0 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 371.51 keV
n-Cm247.endfb8.0 Threshold 371.51 keV
Cross Section (milli-barns)
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
4.0
3.0
2.0
1.0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
96-Cm-247

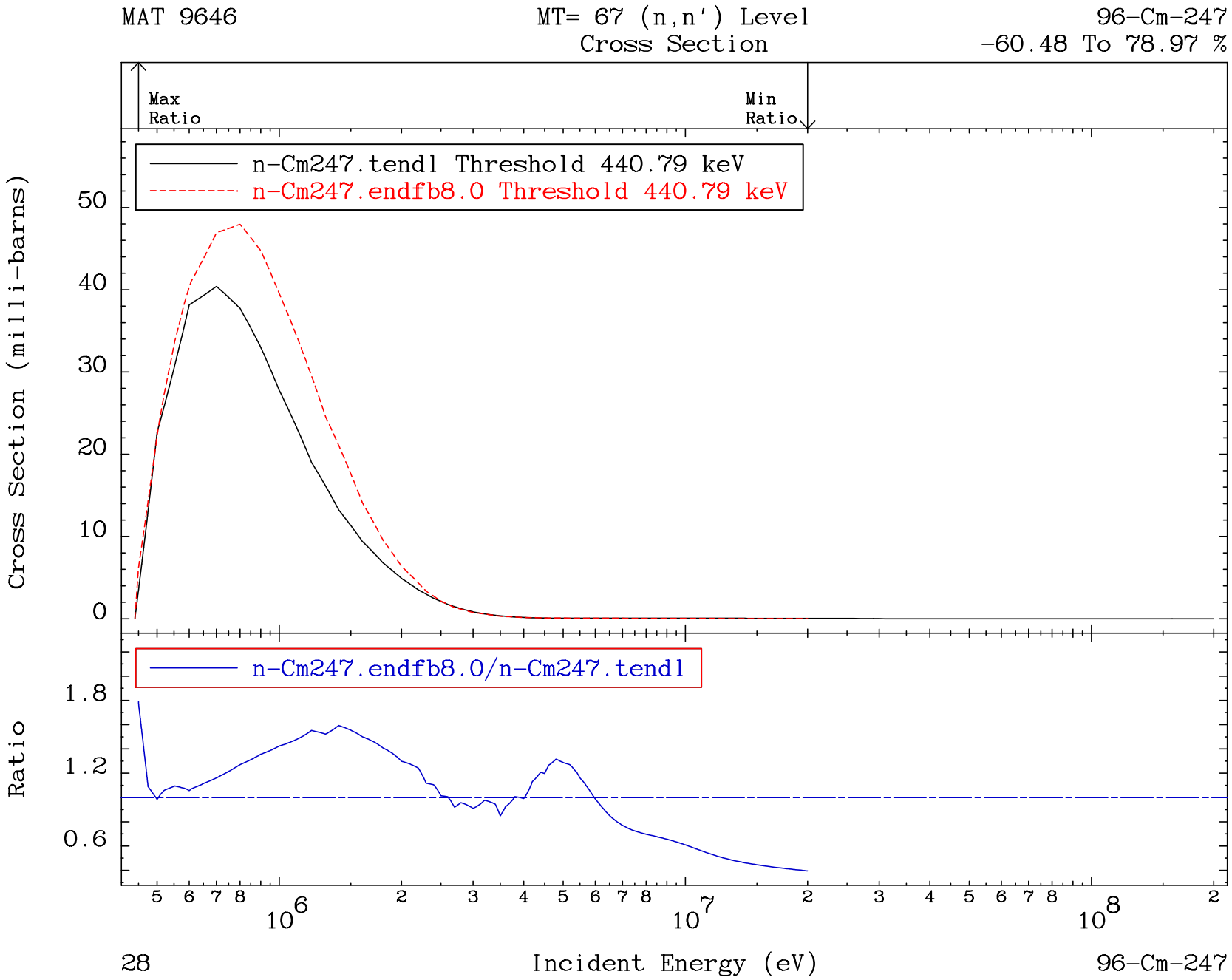

MAT 9646
MT= 62 (n,n') Level
Cross Section
96-Cm-247
-92.11 To 63.24 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 382.56 keV
n-Cm247.endfb8.0 Threshold 382.56 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
4
10^{0}
6
4
10^{-1}
4 5 6 7 8 10^{6} 2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
23
Incident Energy (eV)
96-Cm-247

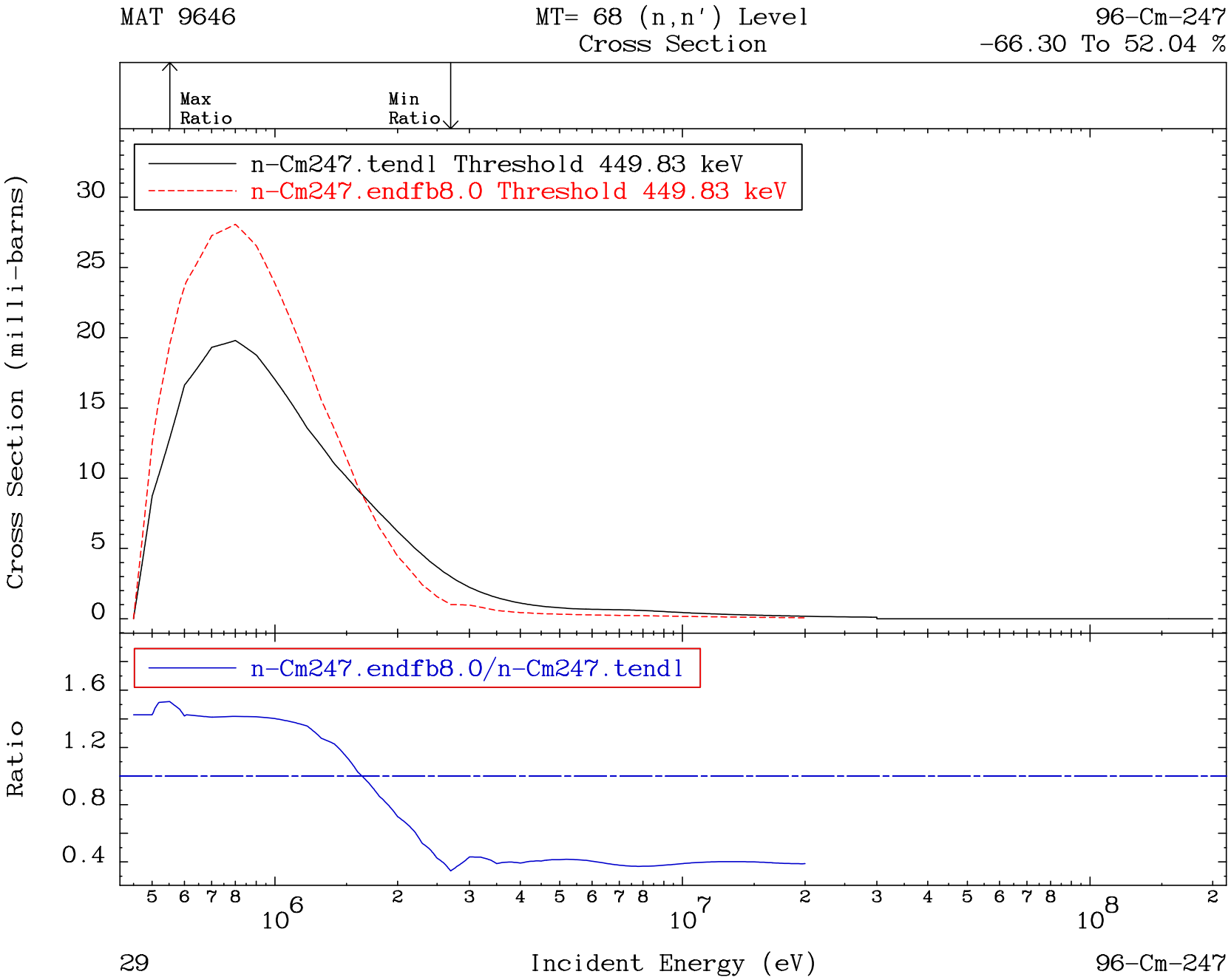

MAT 9646
MT= 63 (n,n') Level
Cross Section
96-Cm-247
-35.35 To 9999. %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 399.63 keV
n-Cm247.endfb8.0 Threshold 399.63 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^2
10^1
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
96-Cm-247

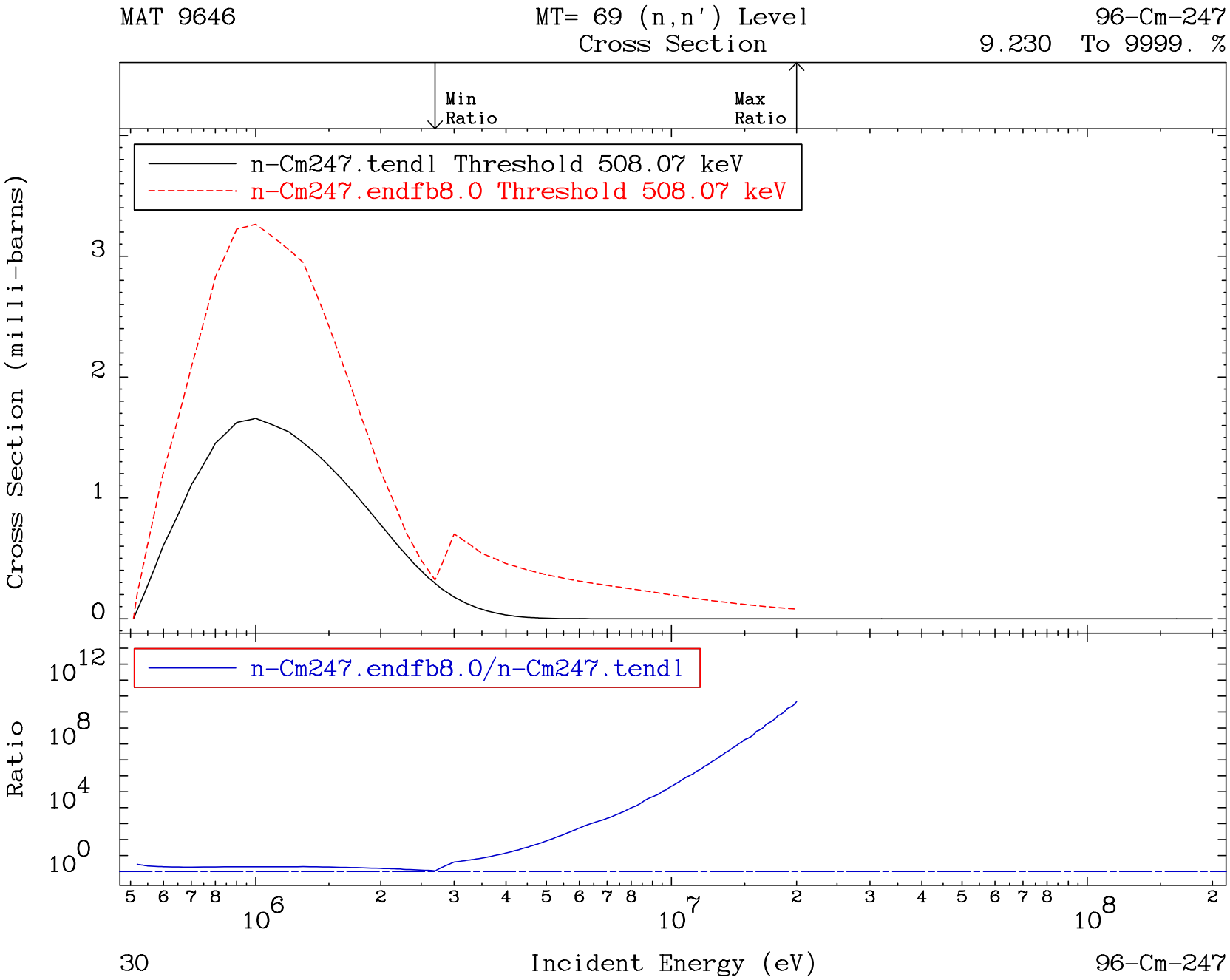

MAT 9646
MT= 64 (n,n') Level
Cross Section
96-Cm-247
8.377 To 9999. %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 406.55 keV
n-Cm247.endfb8.0 Threshold 406.55 keV
Cross Section (milli-barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
25
96-Cm-247

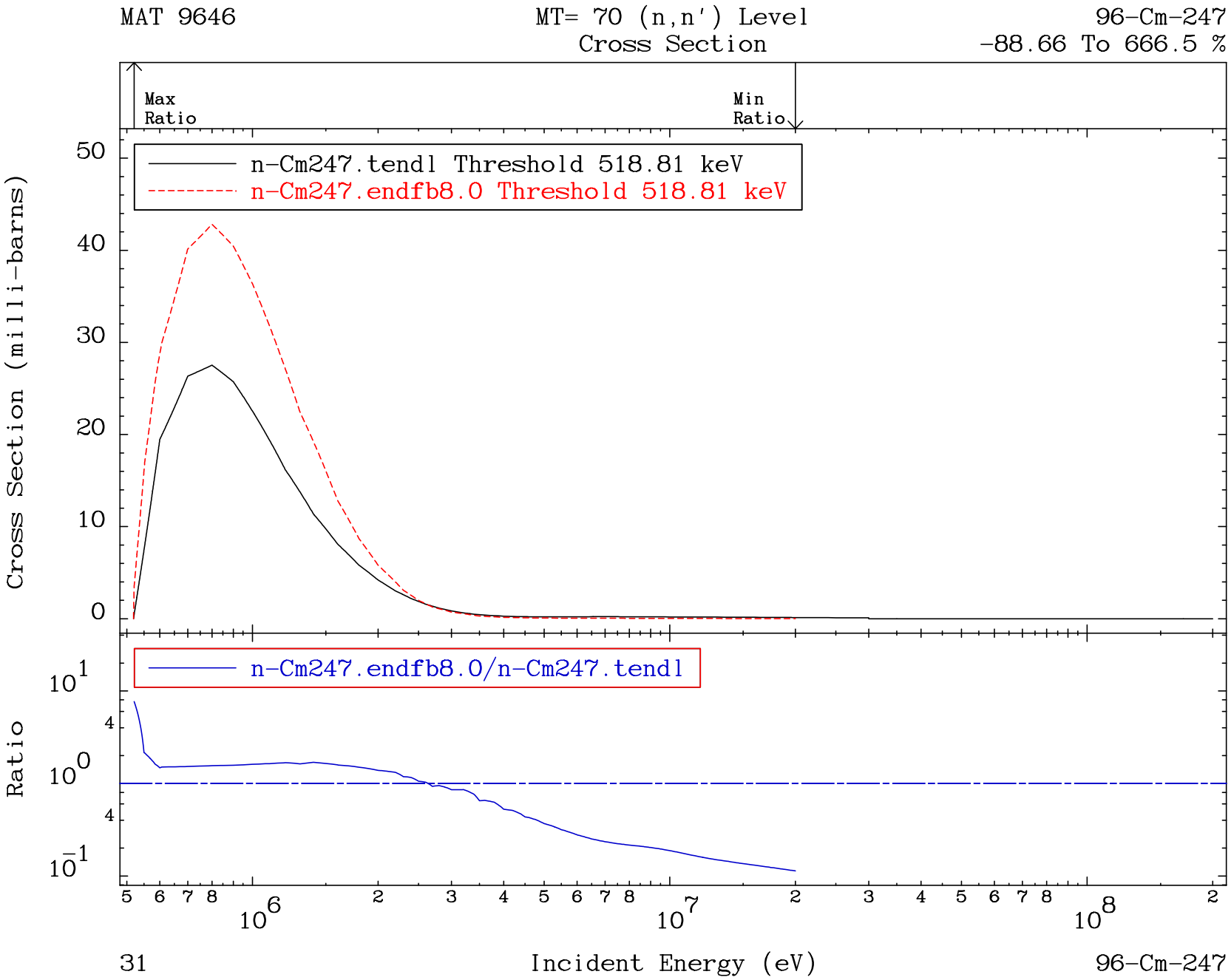

MAT 9646
MT= 65 (n,n') Level
Cross Section
96-Cm-247
-57.72 To 754.5 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 418.70 keV
n-Cm247.endfb8.0 Threshold 418.70 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^1
10^0
6
4
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
96-Cm-247

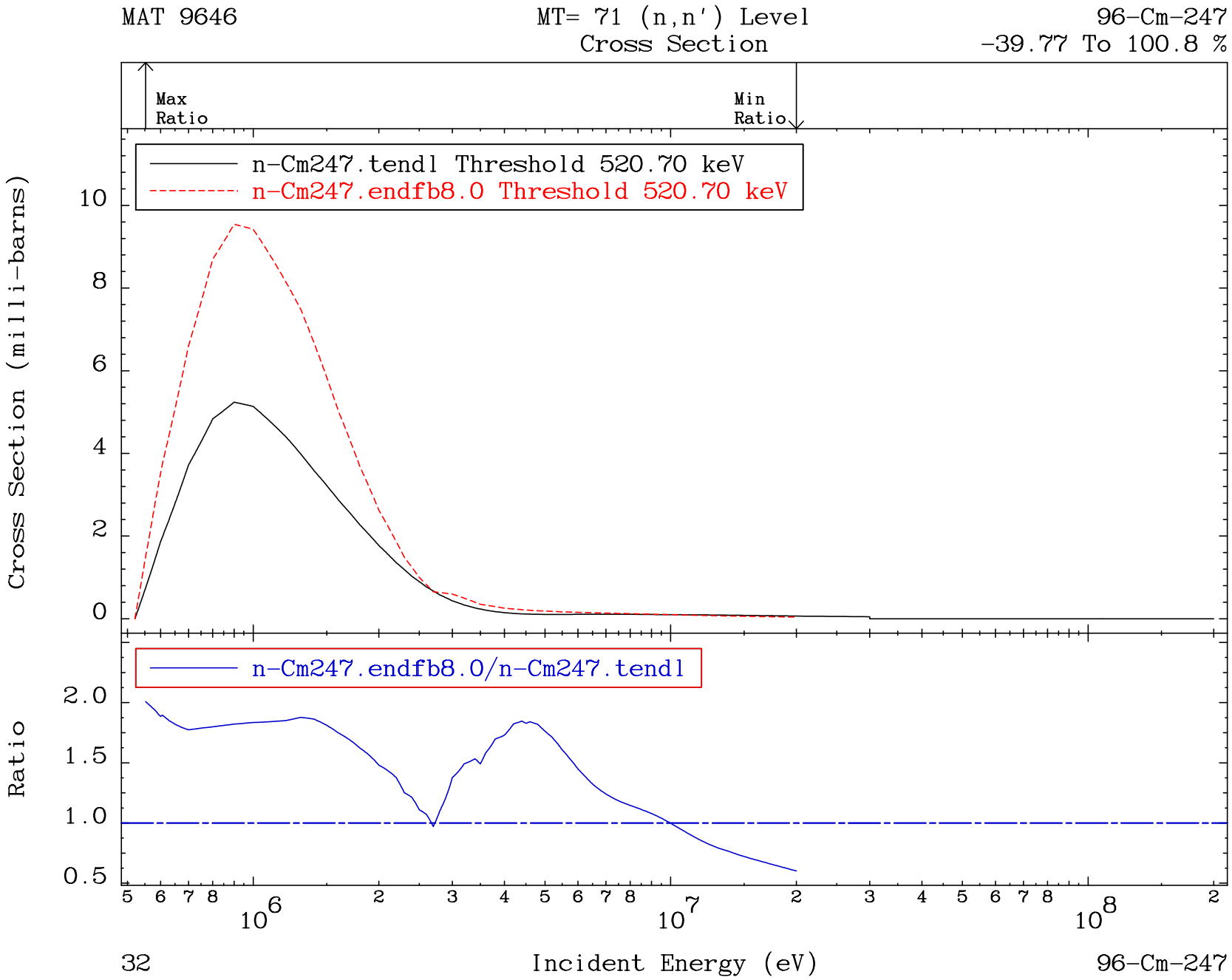

MAT 9646
MT= 66 (n,n') Level
Cross Section
96-Cm-247
-48.65 To 141.3 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 434.77 keV
n-Cm247.endfb8.0 Threshold 434.77 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.0
2.0
3.0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
96-Cm-247

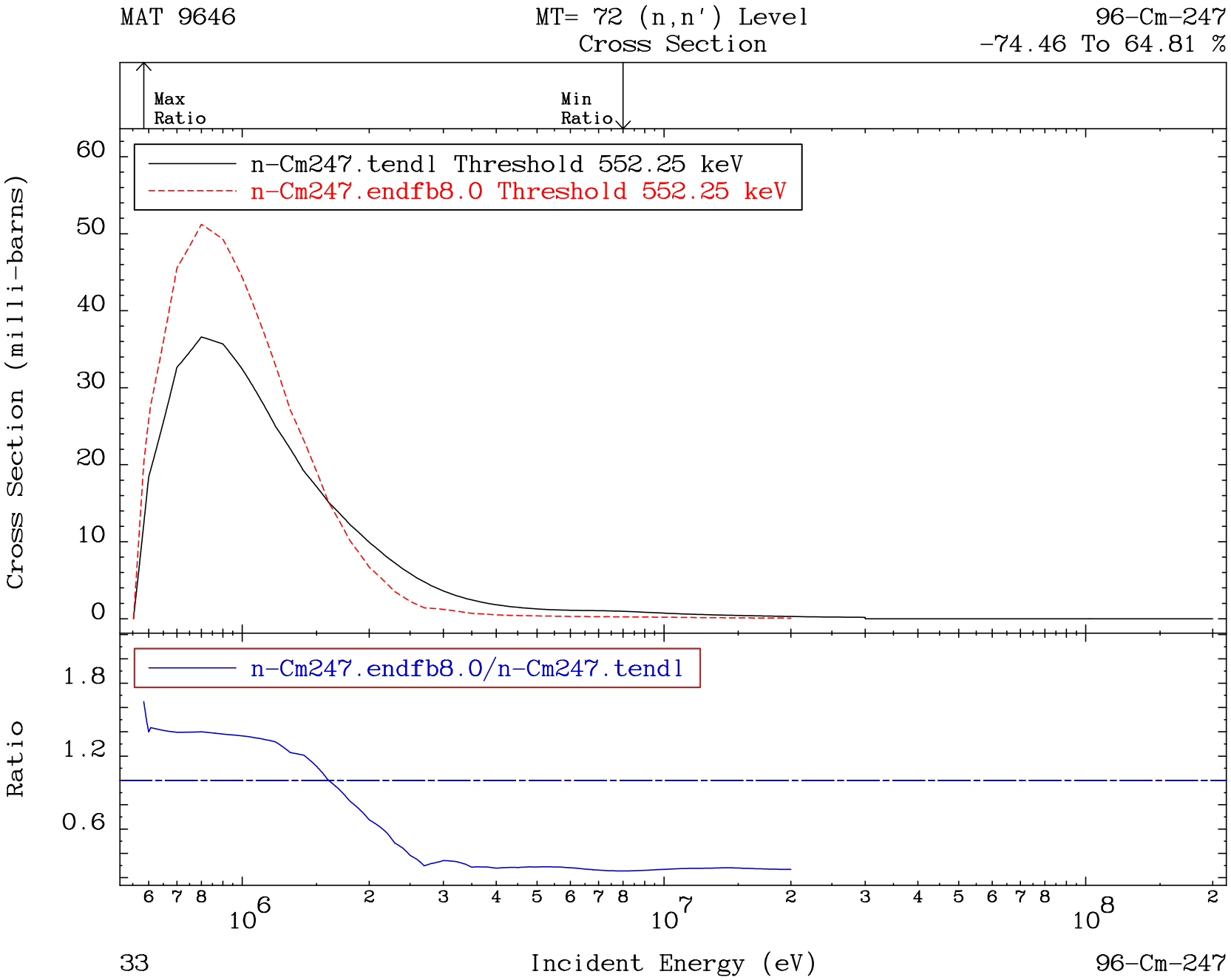

MAT 9646
MT= 67 (n,n') Level
Cross Section
96-Cm-247
-60.48 To 78.97 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 440.79 keV
n-Cm247.endfb8.0 Threshold 440.79 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.8
1.2
0.6
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
96-Cm-247

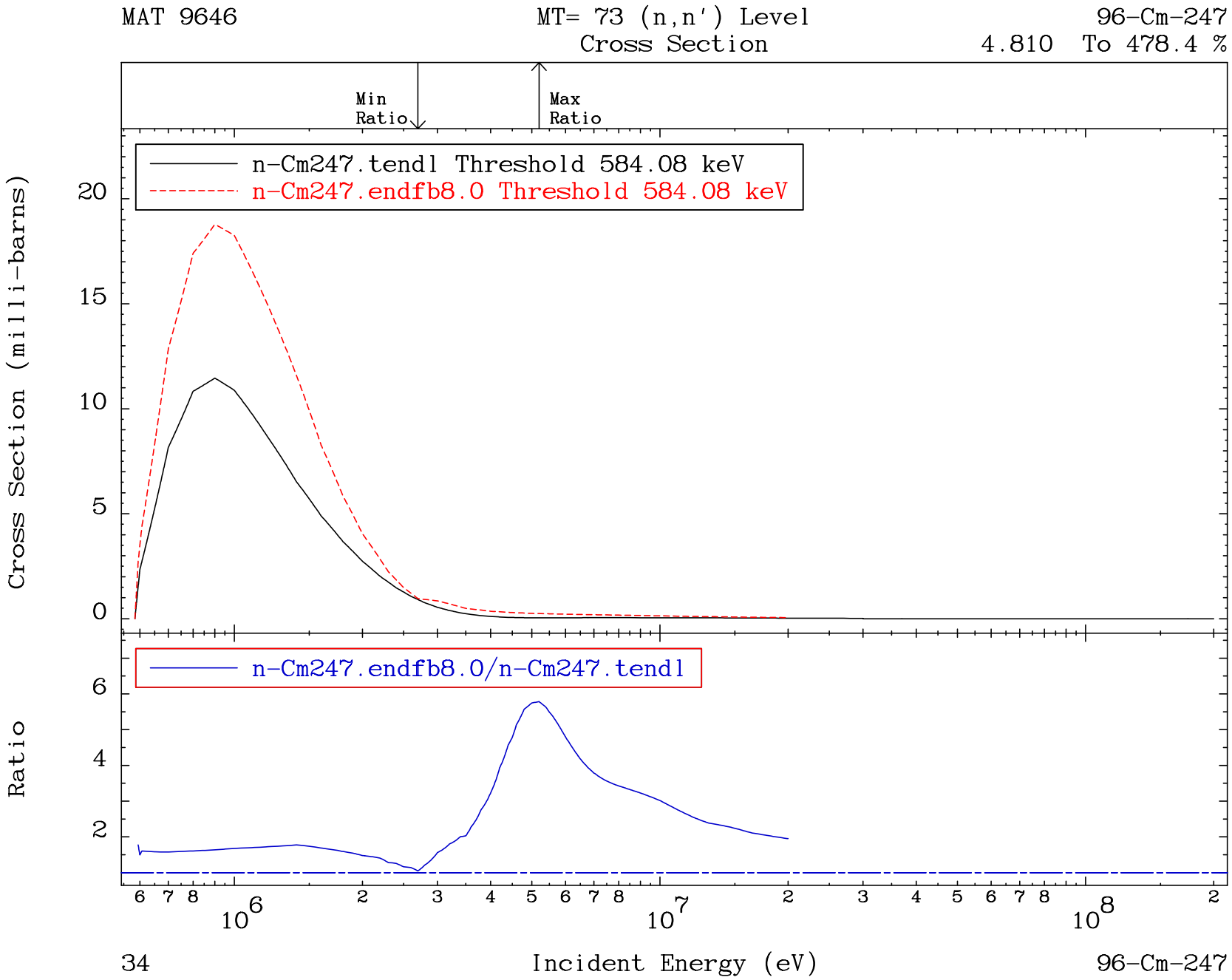

MAT 9646
MT= 68 (n,n') Level
Cross Section
96-Cm-247
-66.30 To 52.04 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 449.83 keV
n-Cm247.endfb8.0 Threshold 449.83 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.6
1.2
0.8
0.4
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
96-Cm-247

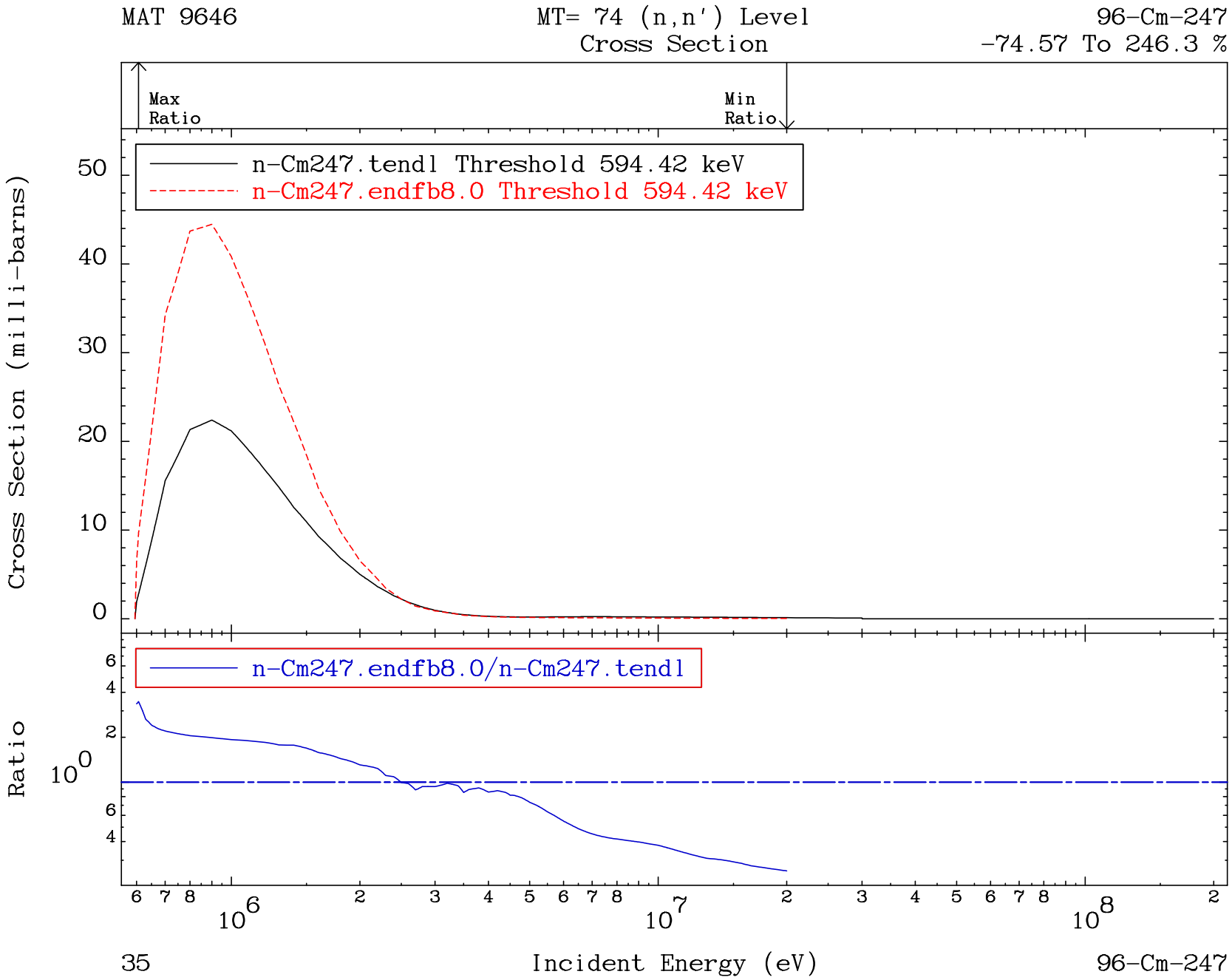

MAT 9646
MT= 69 (n,n') Level
Cross Section
96-Cm-247
9.230 To 9999. %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 508.07 keV
n-Cm247.endfb8.0 Threshold 508.07 keV
Cross Section (milli-barns)
0
1
2
3
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^12
10^8
10^4
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
96-Cm-247

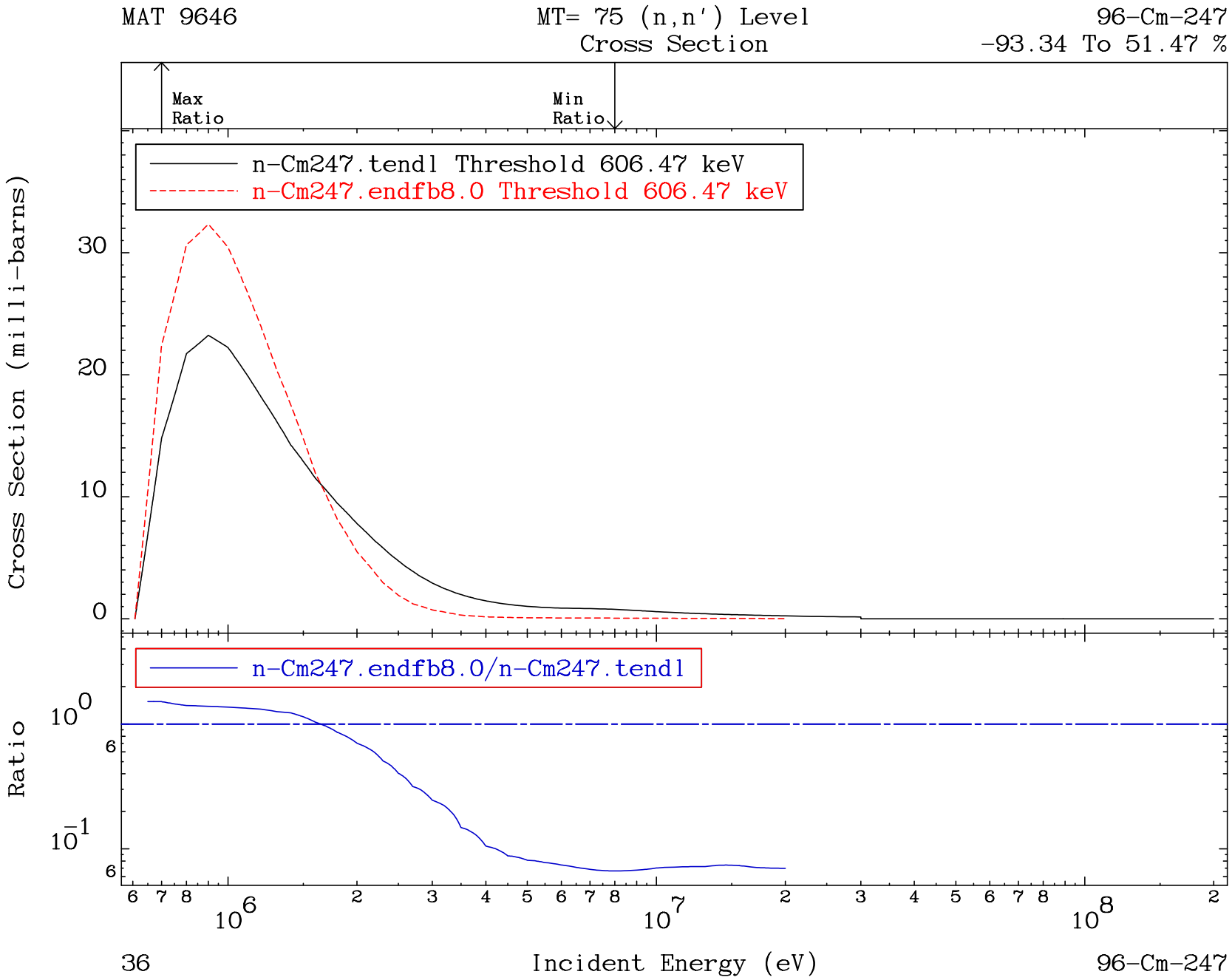

MAT 9646
MT= 70 (n,n') Level
Cross Section
96-Cm-247
-88.66 To 666.5 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 518.81 keV
n-Cm247.endfb8.0 Threshold 518.81 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^1
10^0
10^-1
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
96-Cm-247

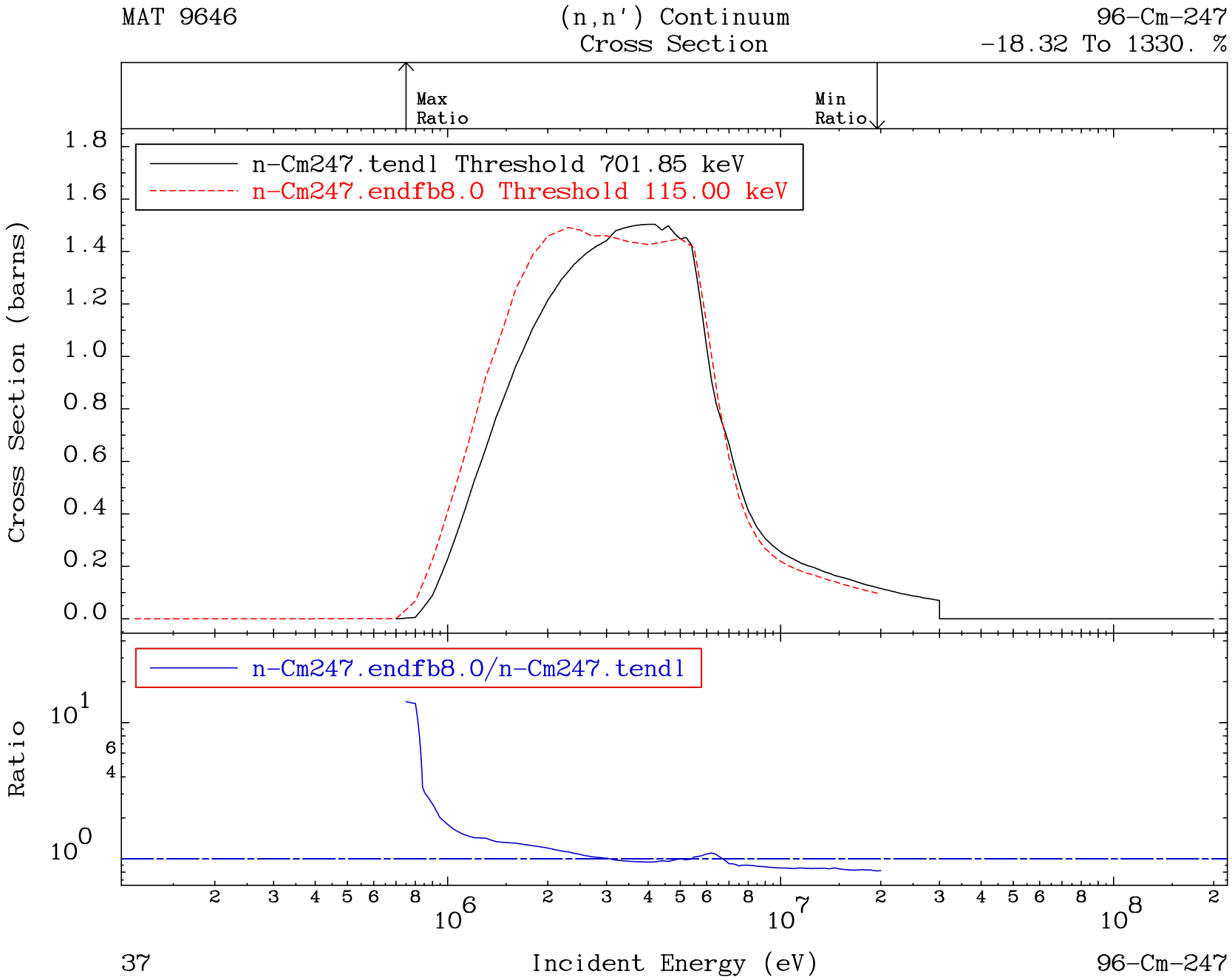

MAT 9646
MT= 71 (n,n') Level
Cross Section
96-Cm-247
-39.77 To 100.8 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 520.70 keV
n-Cm247.endfb8.0 Threshold 520.70 keV
Cross Section (milli-barns)
0
2
4
6
8
10
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
0.5
1.0
1.5
2.0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
96-Cm-247

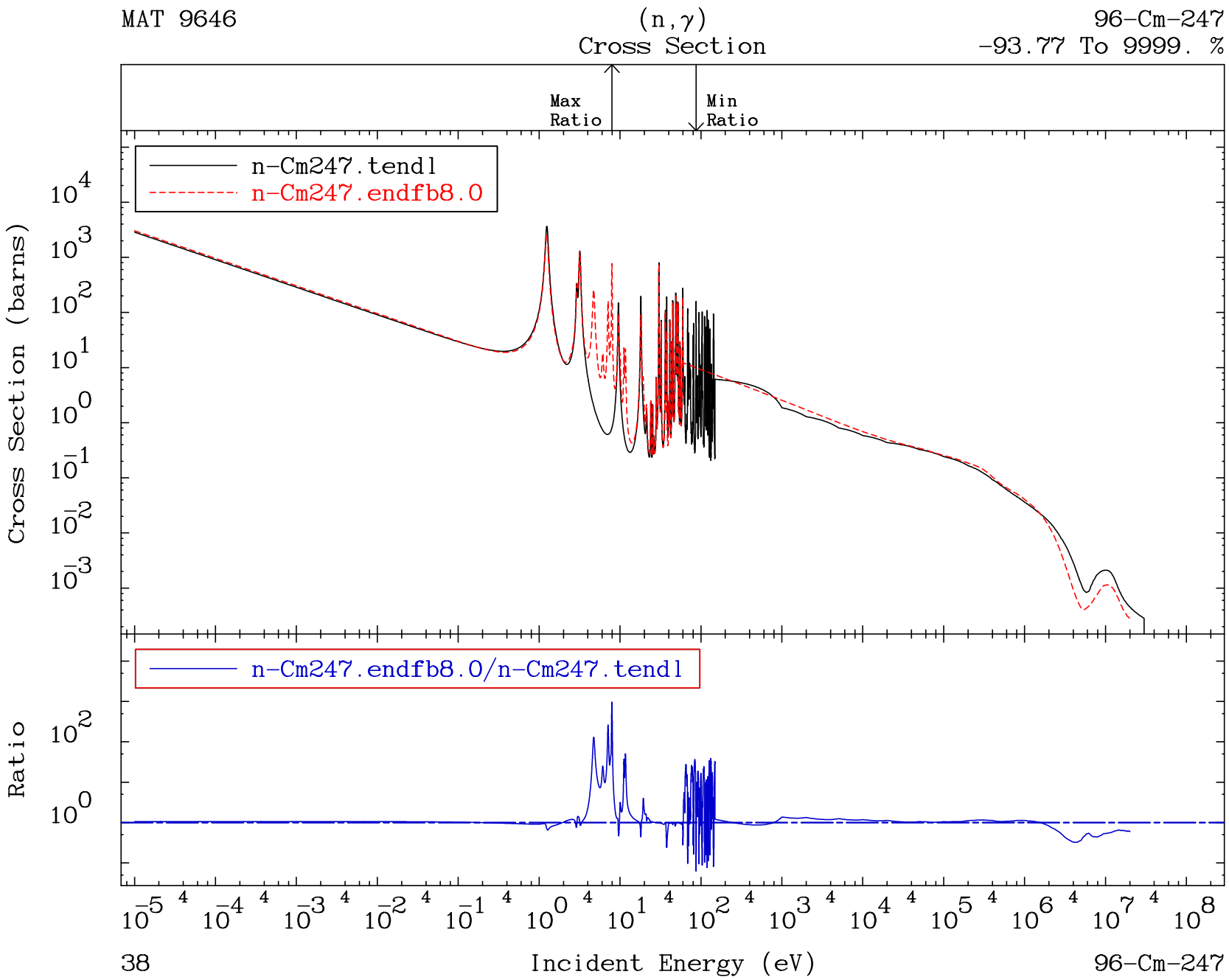

MAT 9646
MT= 72 (n,n') Level
Cross Section
96-Cm-247
-74.46 To 64.81 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 552.25 keV
n-Cm247.endfb8.0 Threshold 552.25 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
1.8
1.2
0.6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
96-Cm-247

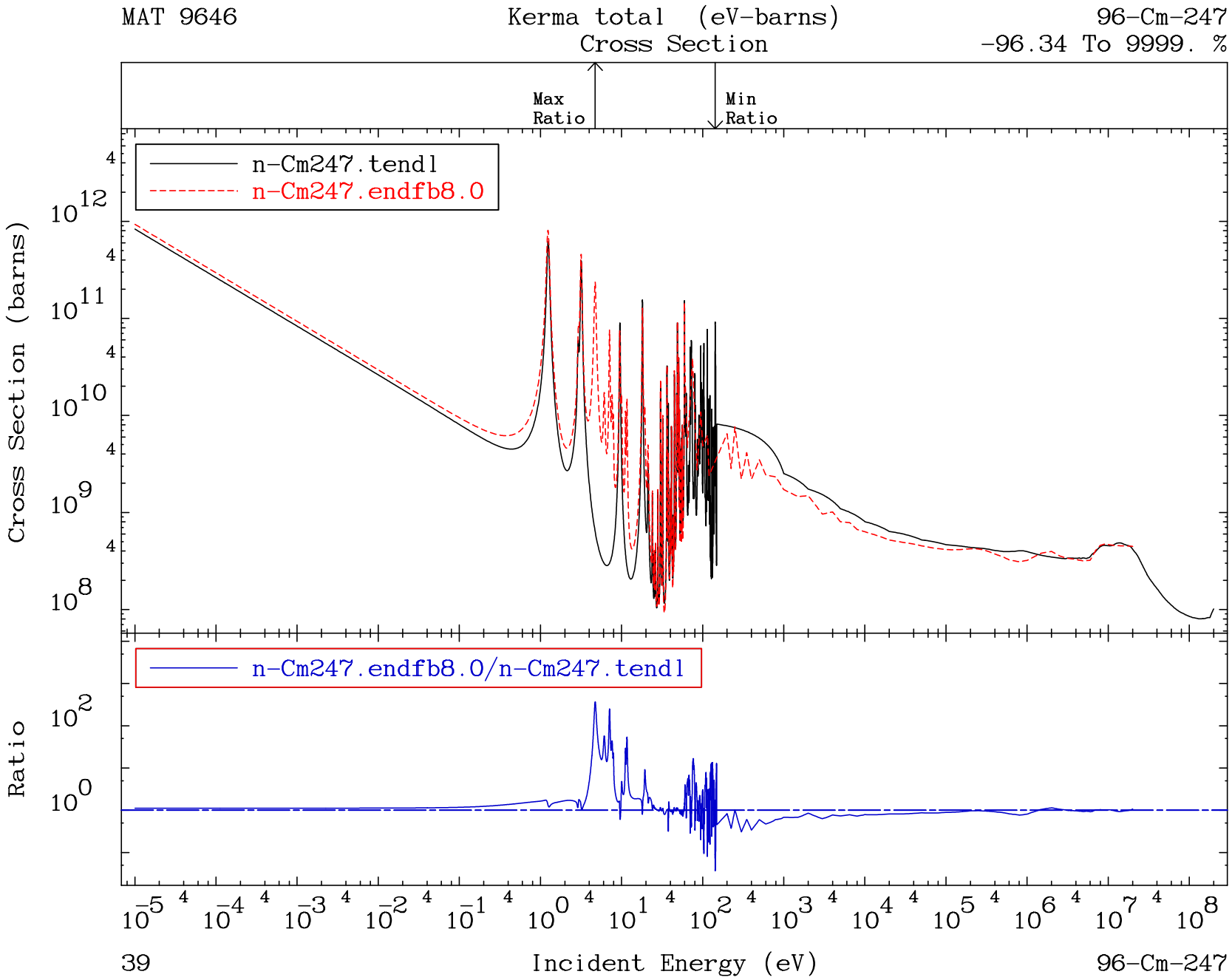

MAT 9646
MT= 73 (n,n') Level
Cross Section
96-Cm-247
4.810 To 478.4 %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 584.08 keV
n-Cm247.endfb8.0 Threshold 584.08 keV
Cross Section (milli-barns)
20
15
10
5
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
6
4
2
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
96-Cm-247

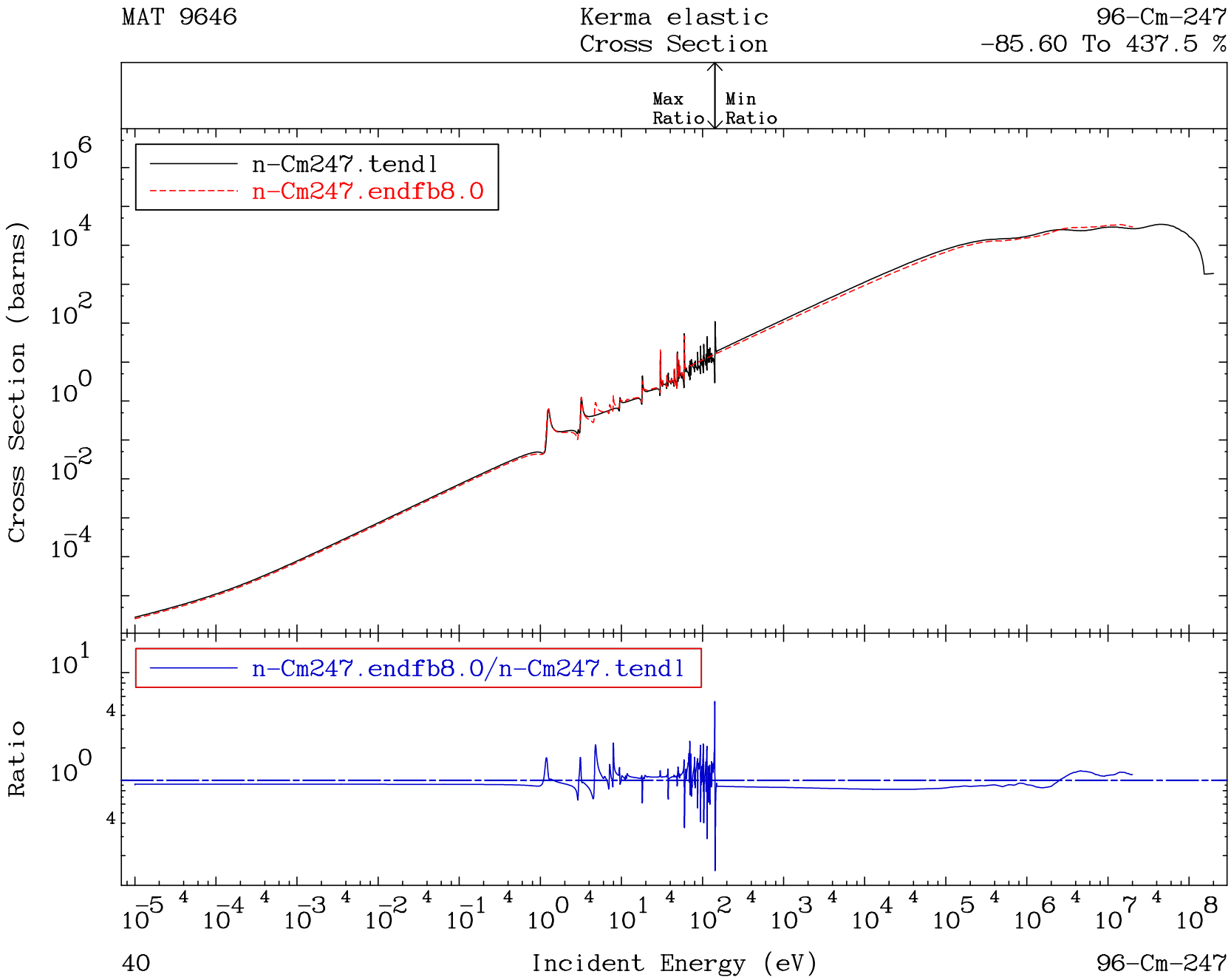

MAT 9646
MT= 74 (n,n') Level
Cross Section
96-Cm-247
-74.57 To 246.3 %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 594.42 keV
n-Cm247.endfb8.0 Threshold 594.42 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
6
4
2
10^0
6
4
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
96-Cm-247

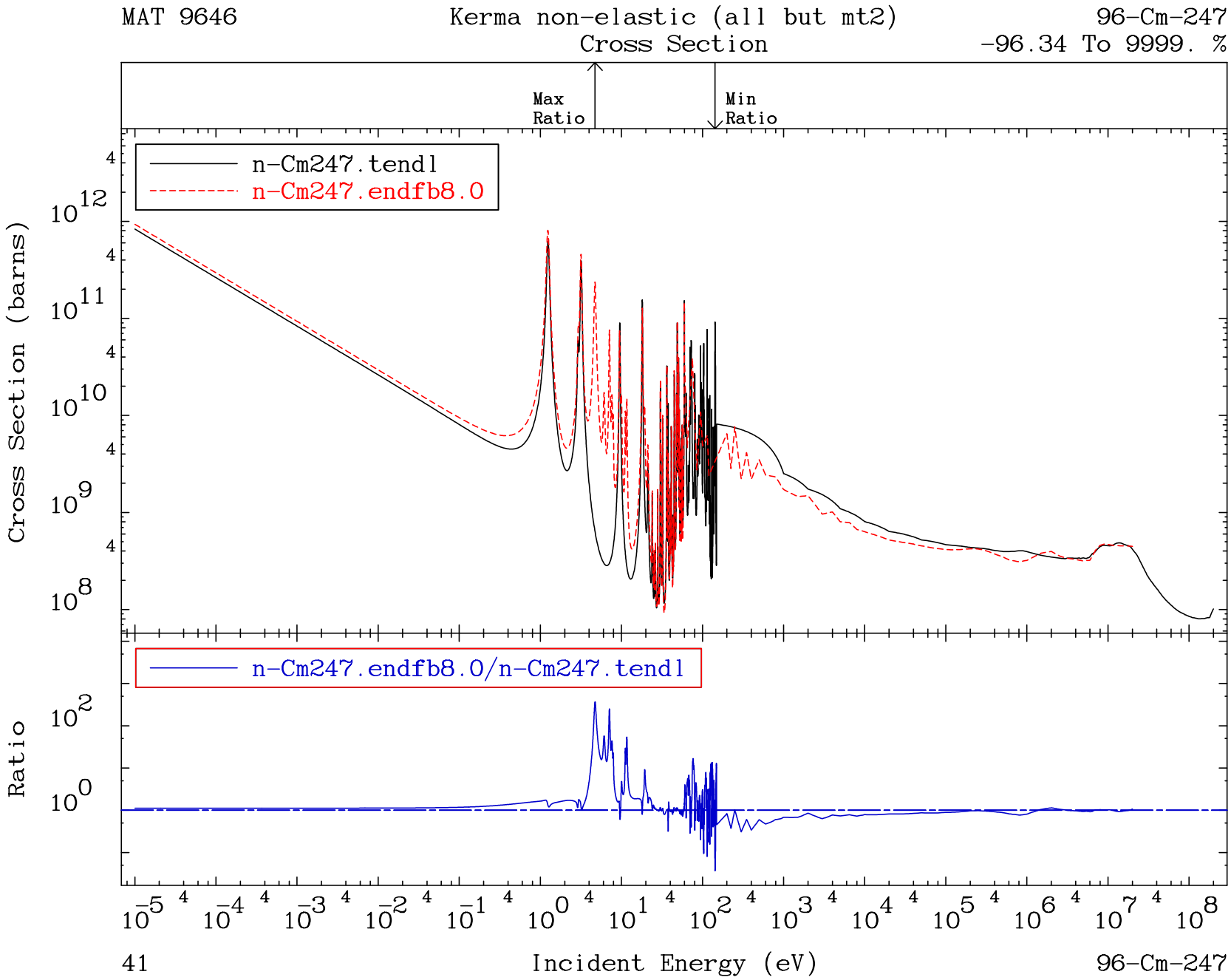

MAT 9646
MT= 75 (n,n') Level
Cross Section
96-Cm-247
-93.34 To 51.47 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 606.47 keV
n-Cm247.endfb8.0 Threshold 606.47 keV
Cross Section (milli-barns)
30
20
10
0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^0
6
10^-1
6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
96-Cm-247

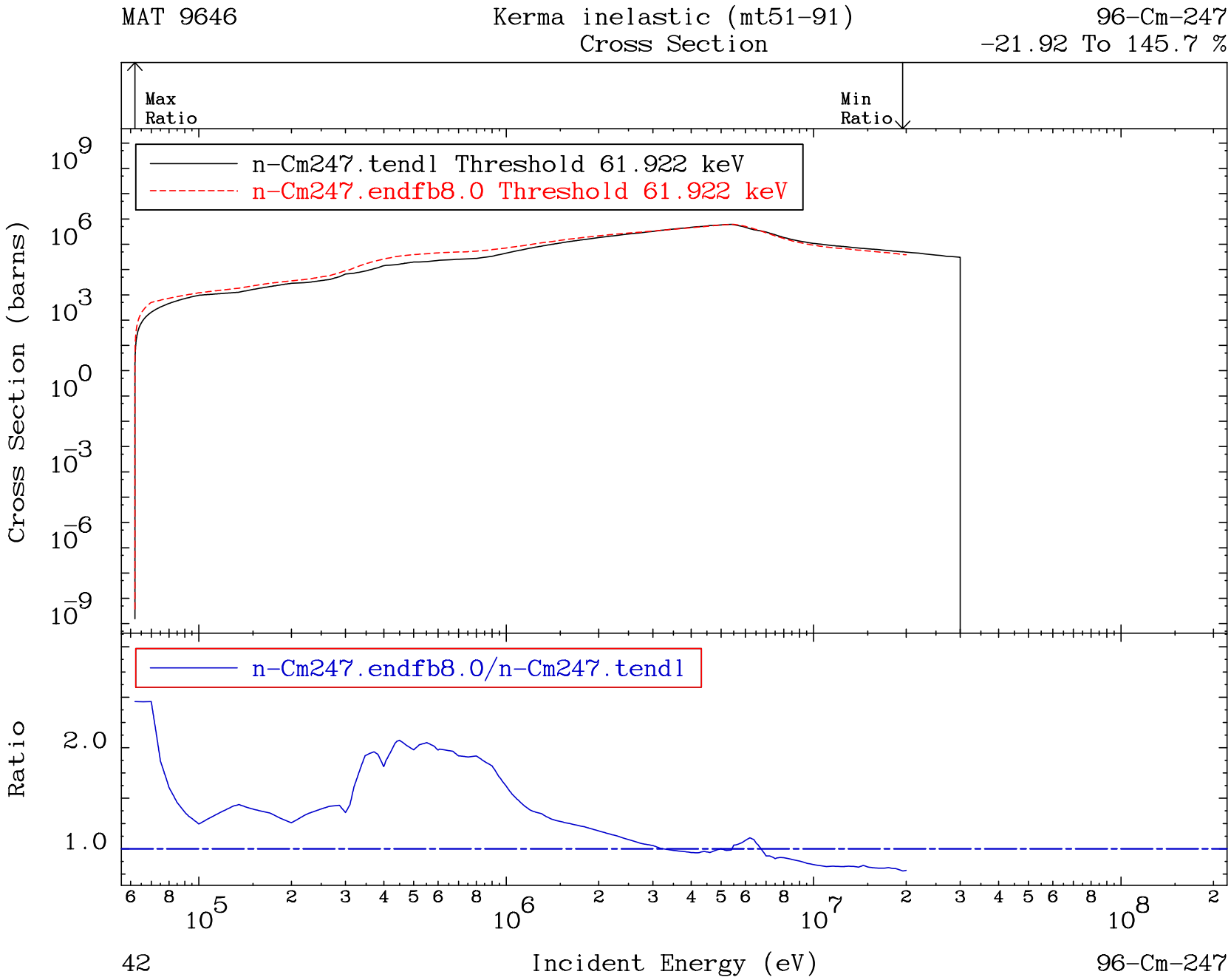

MAT 9646
(n,n') Continuum
Cross Section
96-Cm-247
-18.32 To 1330. %
Max
Ratio
Min
Ratio
n-Cm247.tendl Threshold 701.85 keV
n-Cm247.endfb8.0 Threshold 115.00 keV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
10^1
6
4
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
96-Cm-247

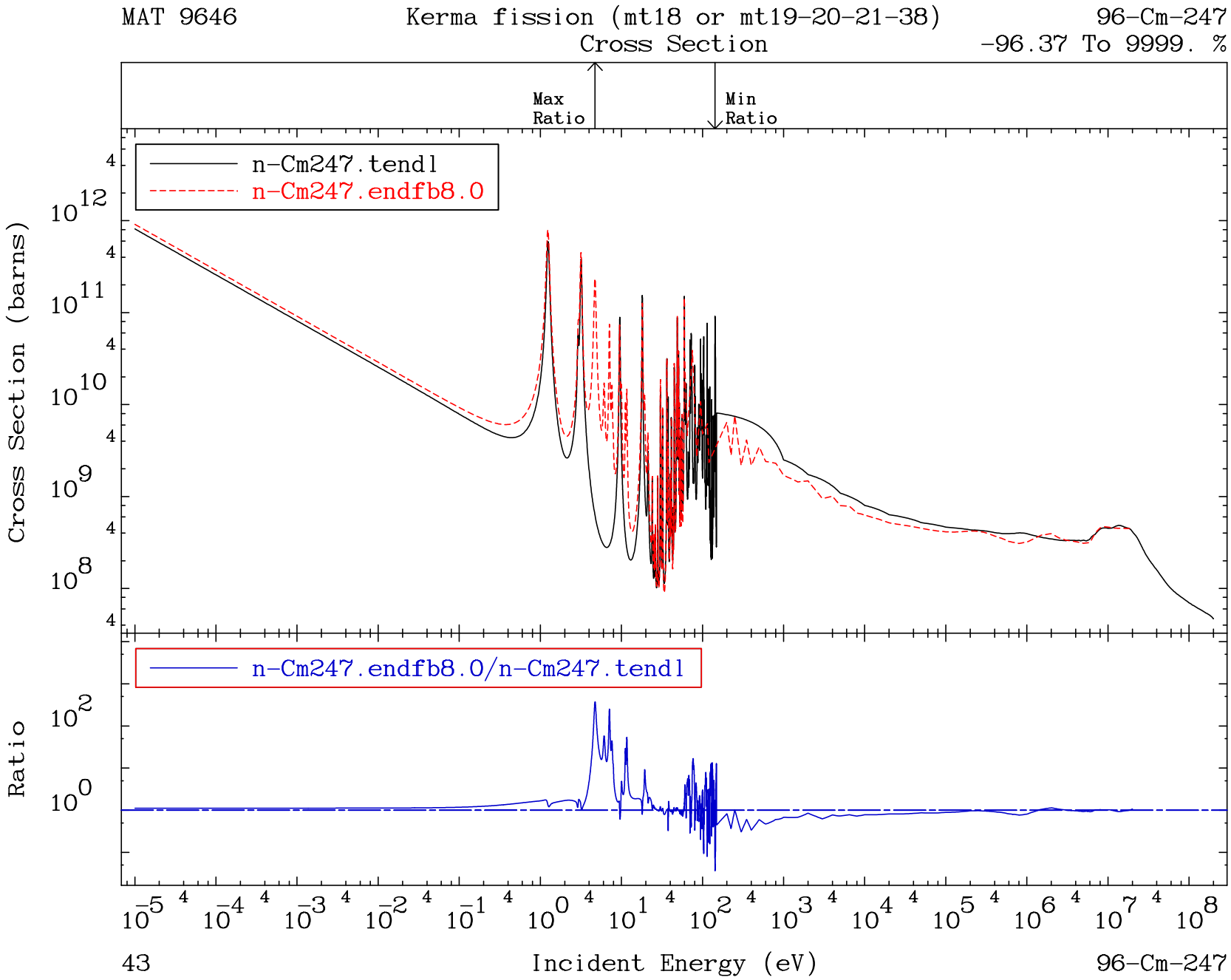

MAT 9646
(n,γ)
Cross Section
96-Cm-247
-93.77 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
38
Incident Energy (eV)
96-Cm-247

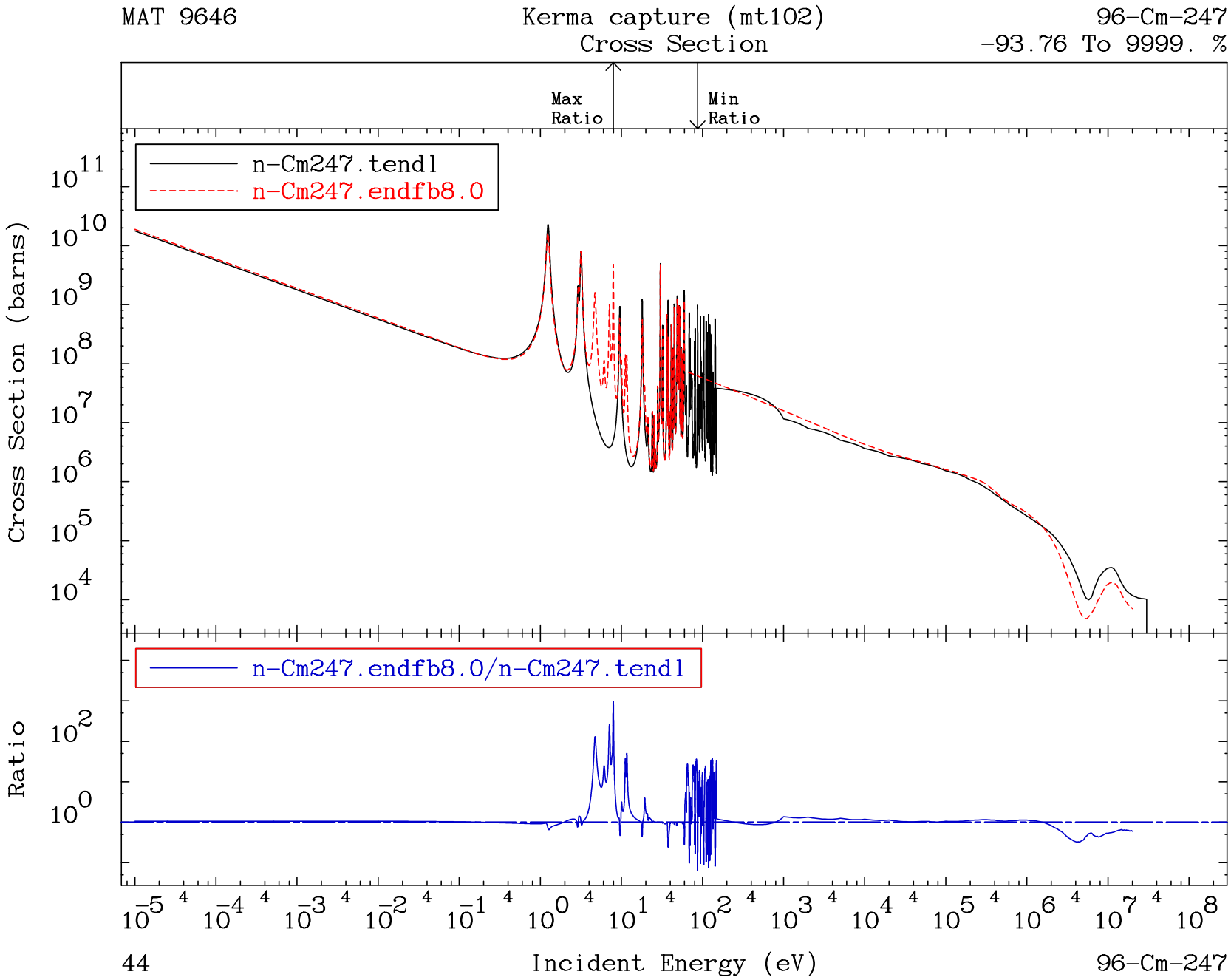

MAT 9646
Kerma total (eV-barns)
Cross Section
96-Cm-247
-96.34 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
39
96-Cm-247

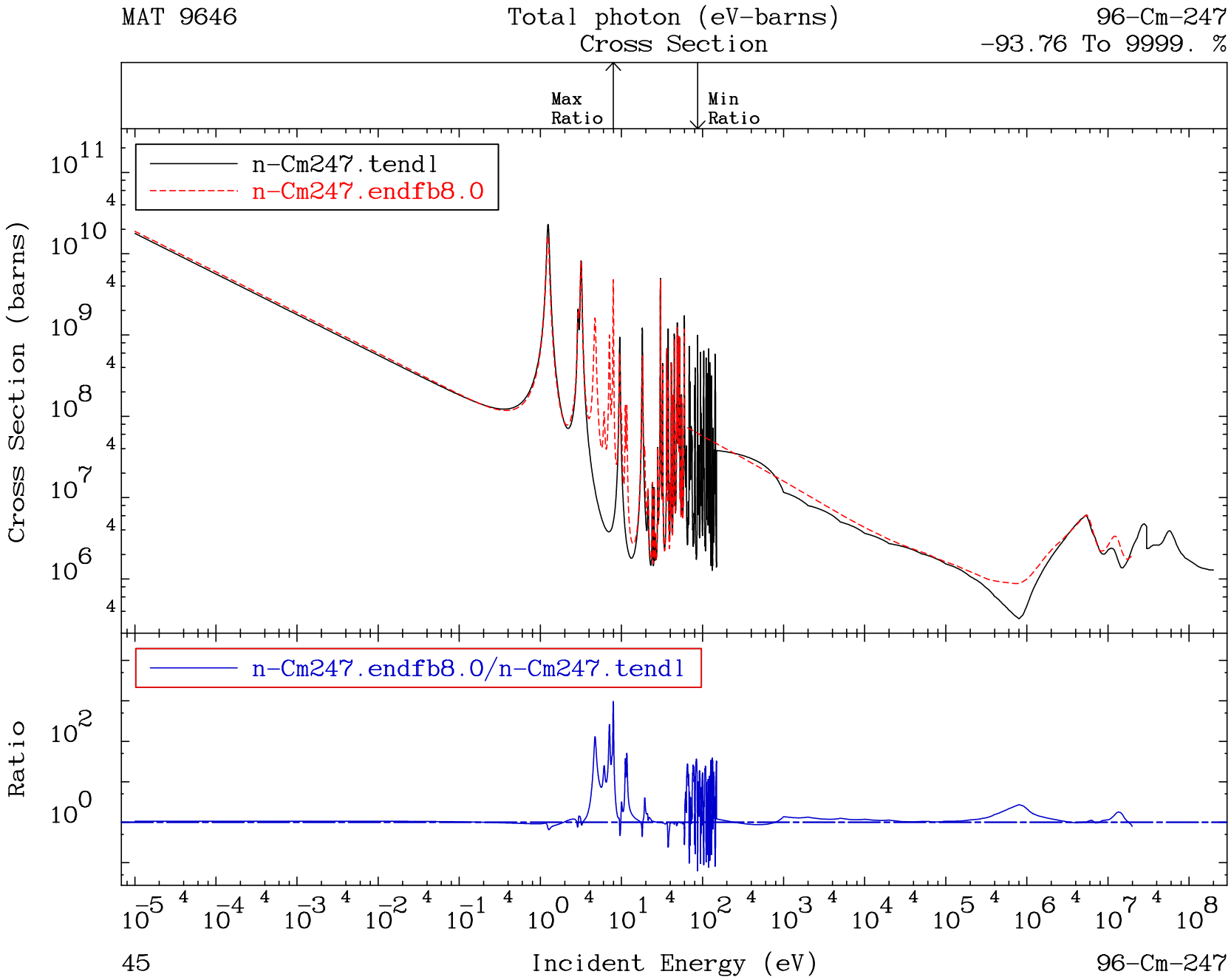

MAT 9646
Kerma elastic
Cross Section
96-Cm-247
-85.60 To 437.5 %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
40
96-Cm-247

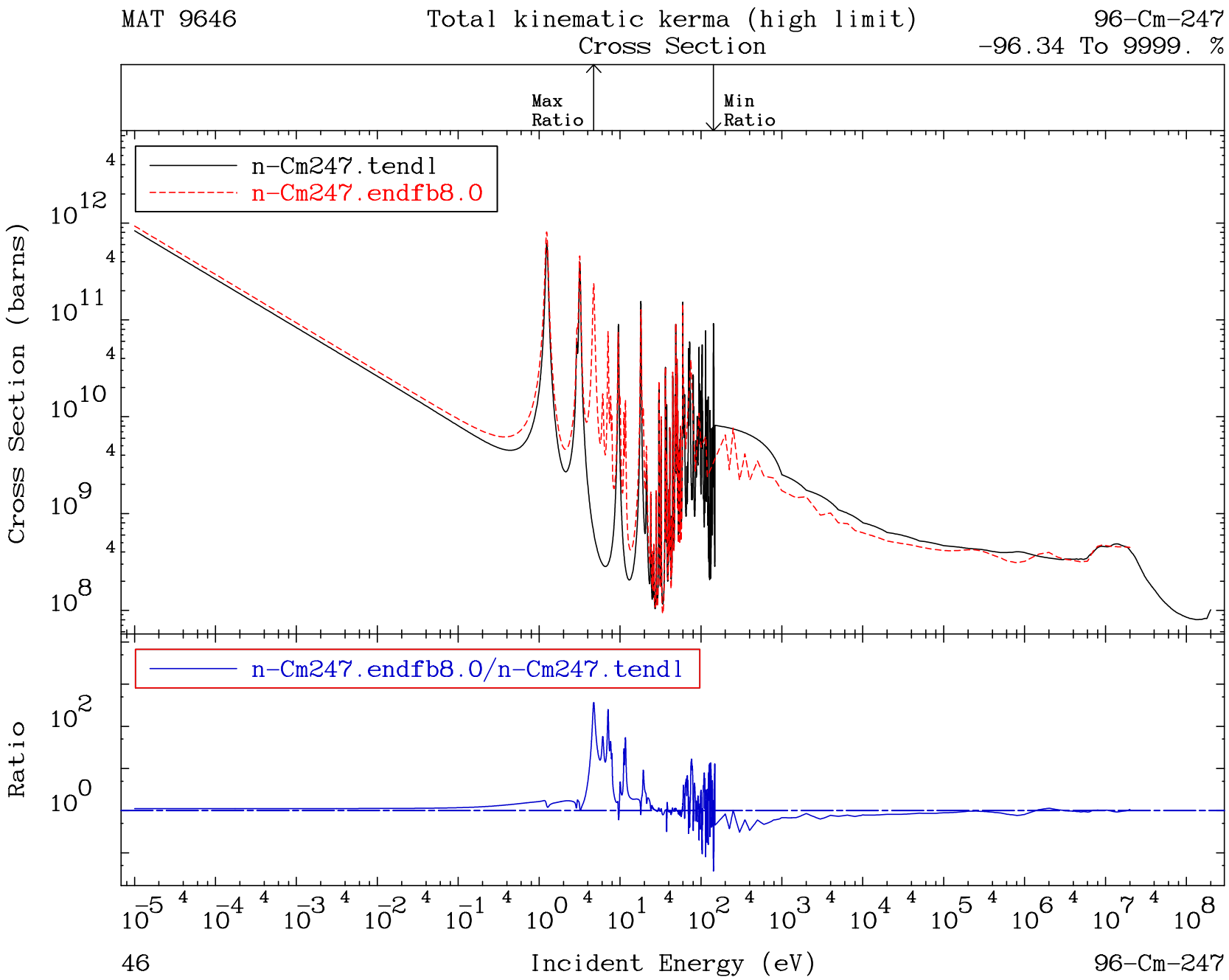

MAT 9646
Kerma non-elastic (all but mt2)
Cross Section
96-Cm-247
-96.34 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
41
96-Cm-247

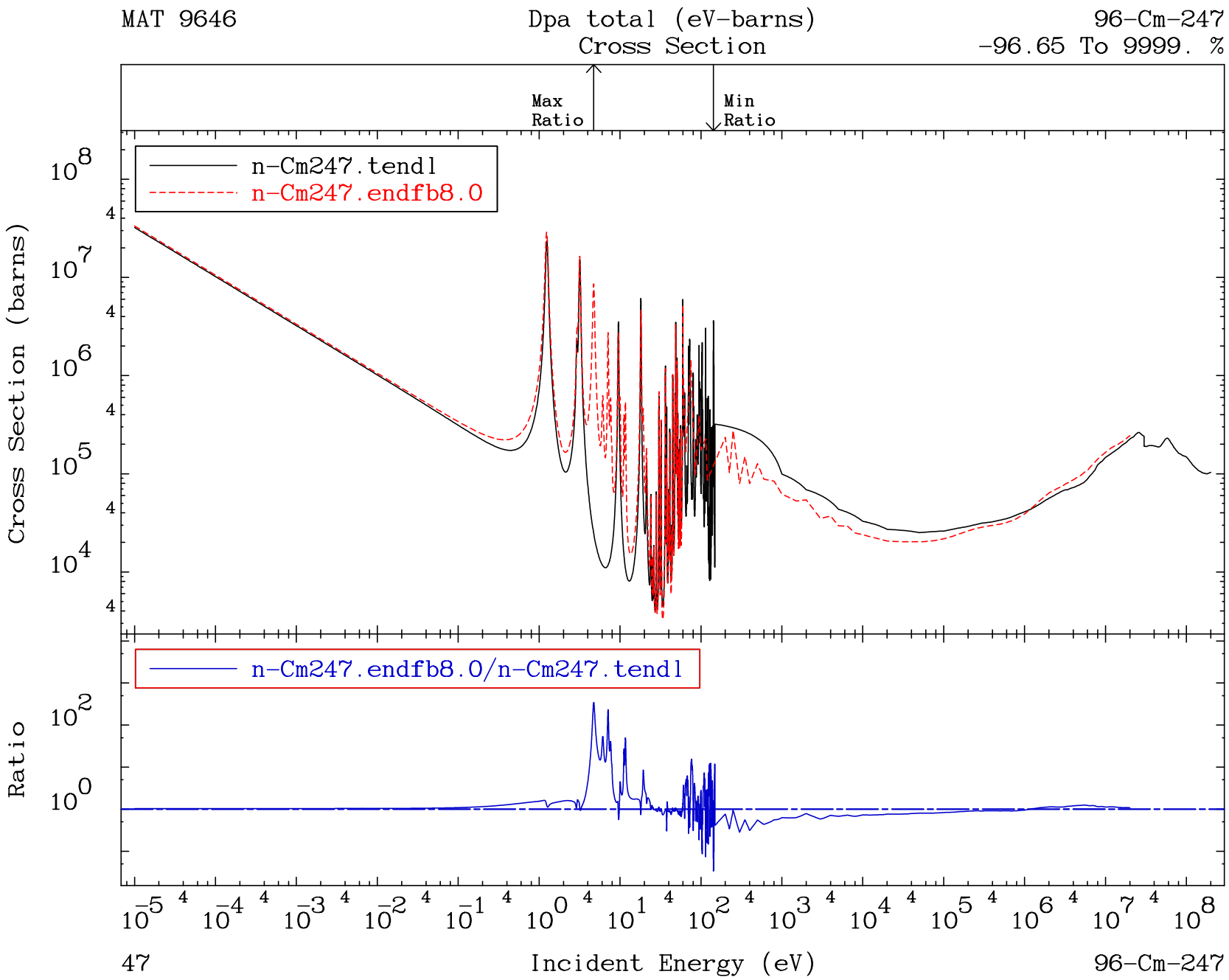

MAT 9646
Kerma inelastic (mt51-91)
Cross Section
96-Cm-247
-21.92 To 145.7 %
Max Ratio
Min Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
42
96-Cm-247

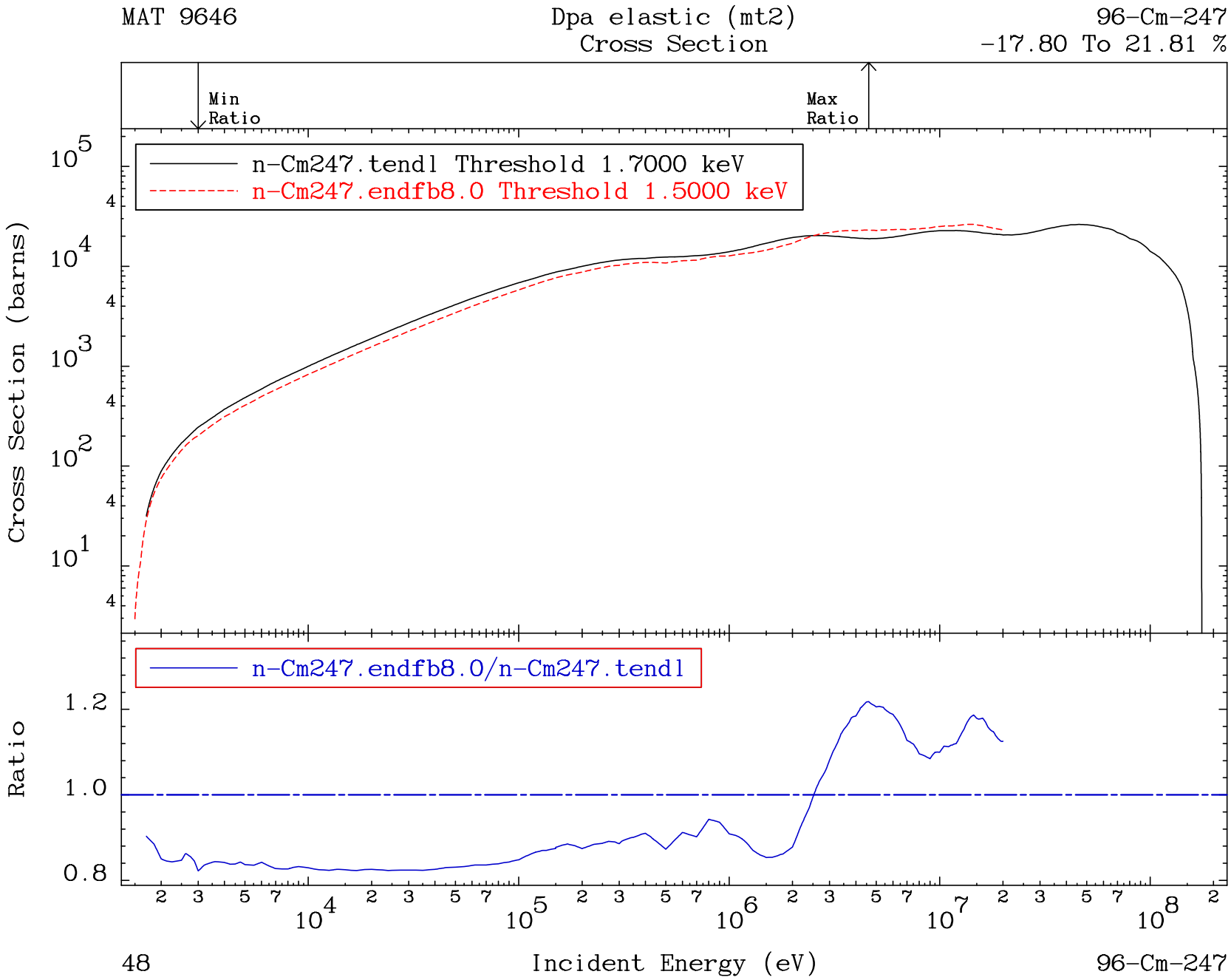

MAT 9646
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
96-Cm-247
-96.37 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
43
96-Cm-247

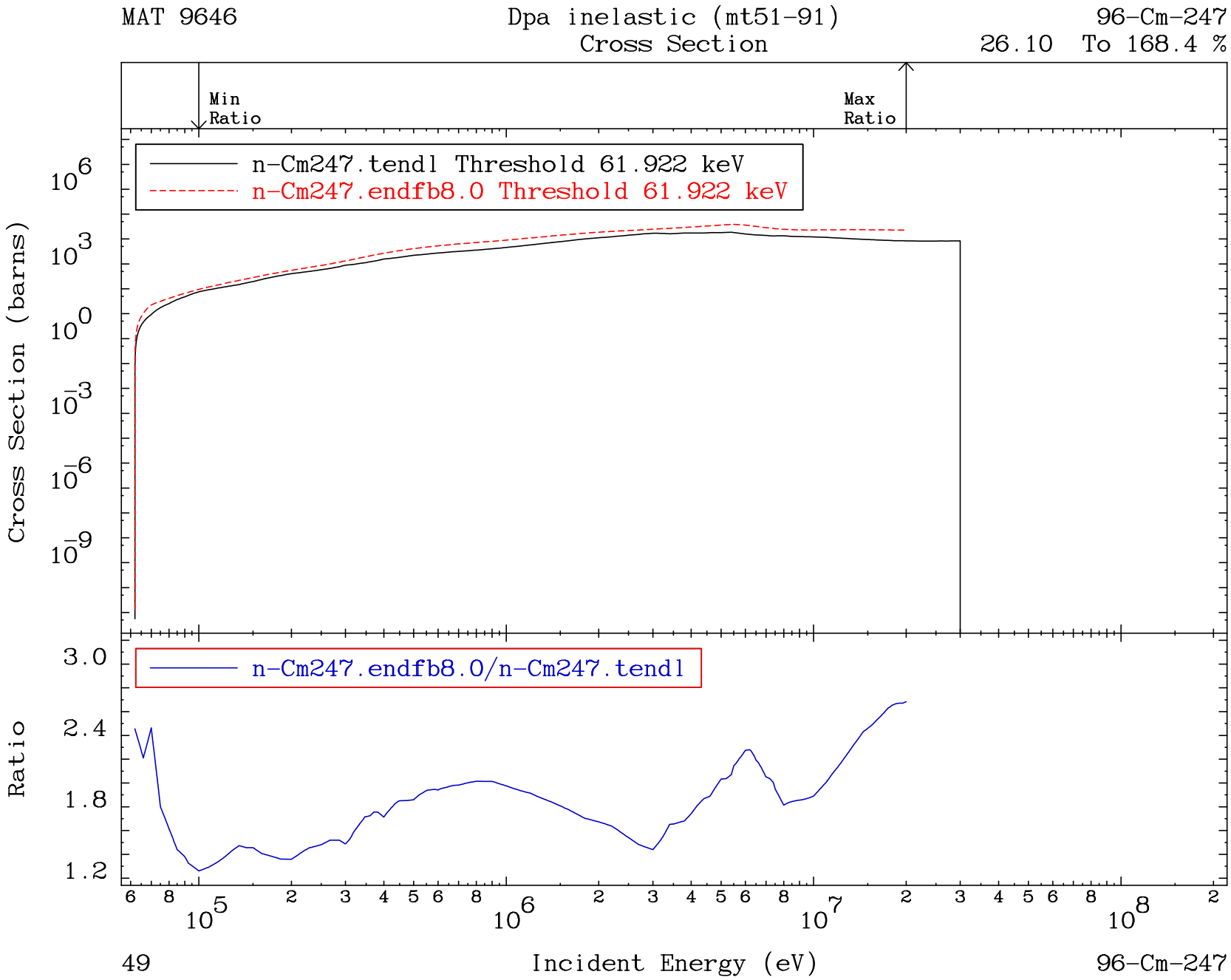

MAT 9646
Kerma capture (mt102)
Cross Section
96-Cm-247
-93.76 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
44
96-Cm-247

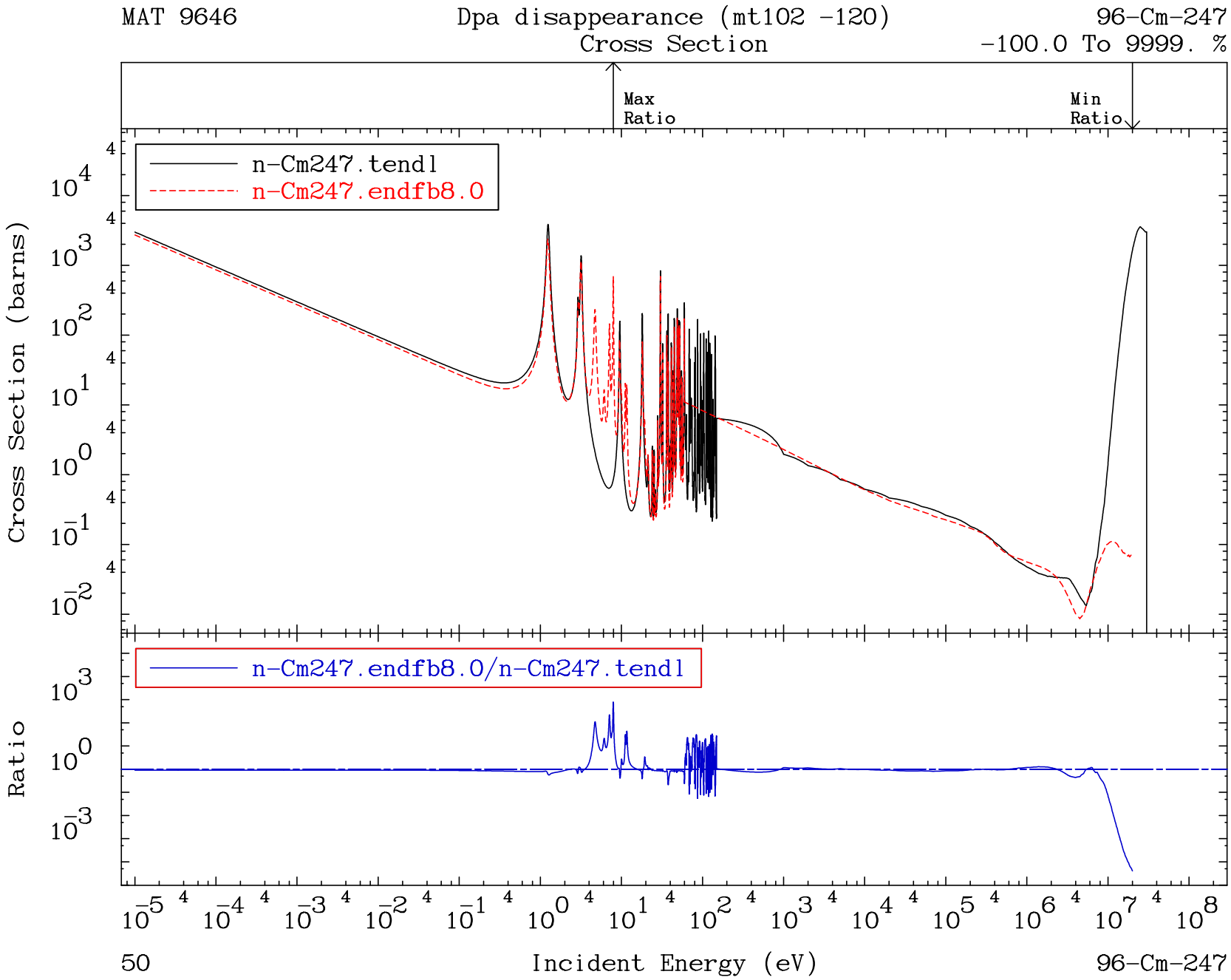

MAT 9646
Total photon (eV-barns)
Cross Section
96-Cm-247
-93.76 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
45
96-Cm-247


MAT 9646
Total kinematic kerma (high limit)
Cross Section
96-Cm-247
-96.34 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
46
96-Cm-247


MAT 9646
Dpa total (eV-barns)
Cross Section
96-Cm-247
-96.65 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
47
96-Cm-247


MAT 9646
Dpa elastic (mt2)
Cross Section
96-Cm-247
-17.80 To 21.81 %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 1.7000 keV
n-Cm247.endfb8.0 Threshold 1.5000 keV
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
48
96-Cm-247


MAT 9646
Dpa inelastic (mt51-91)
Cross Section
96-Cm-247
26.10 To 168.4 %
Min Ratio
Max Ratio
n-Cm247.tendl Threshold 61.922 keV
n-Cm247.endfb8.0 Threshold 61.922 keV
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
49
96-Cm-247


MAT 9646
Dpa disappearance (mt102 -120)
Cross Section
96-Cm-247
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Cm247.tendl
n-Cm247.endfb8.0
Cross Section (barns)
n-Cm247.endfb8.0/n-Cm247.tendl
Ratio
Incident Energy (eV)
50
96-Cm-247