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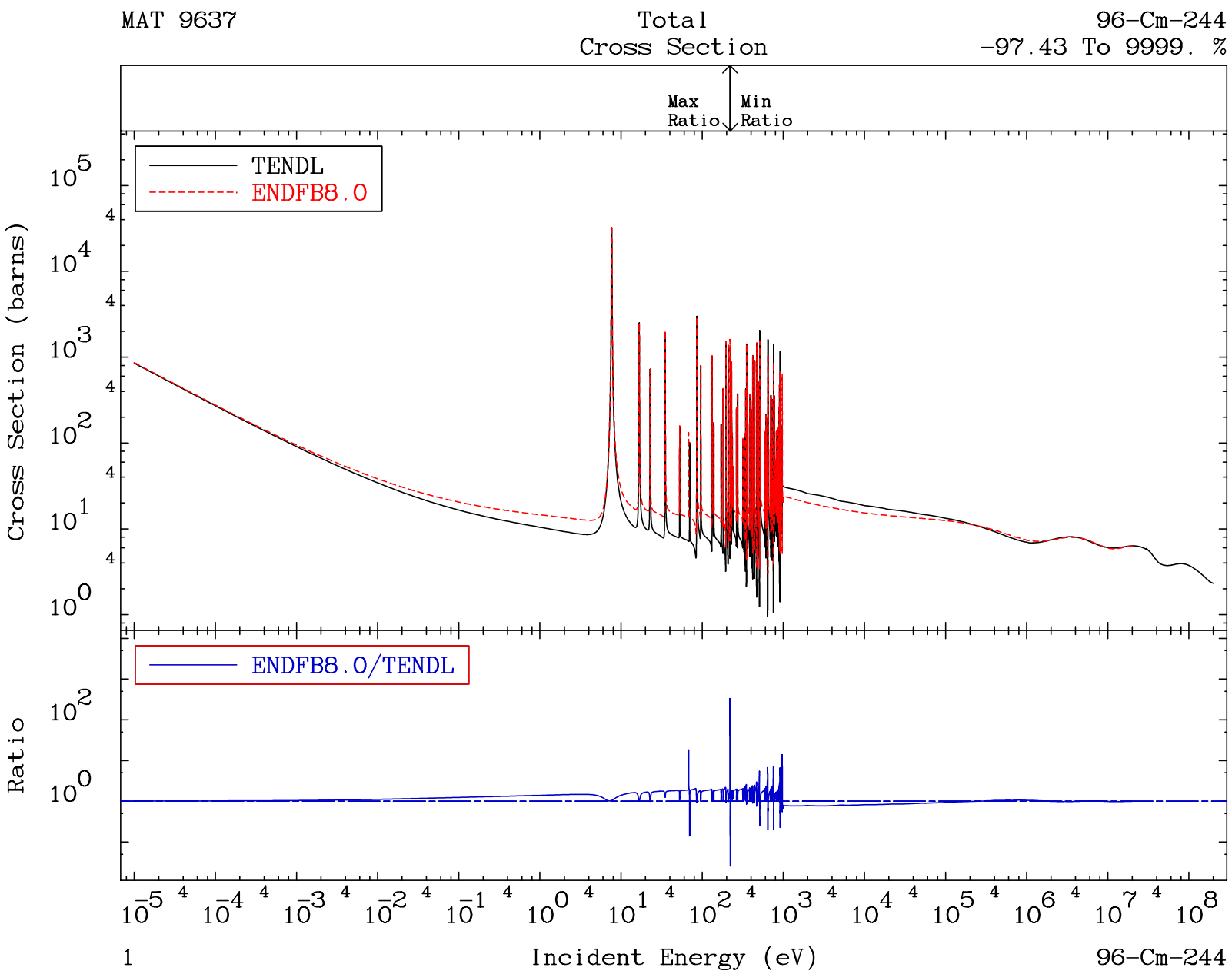
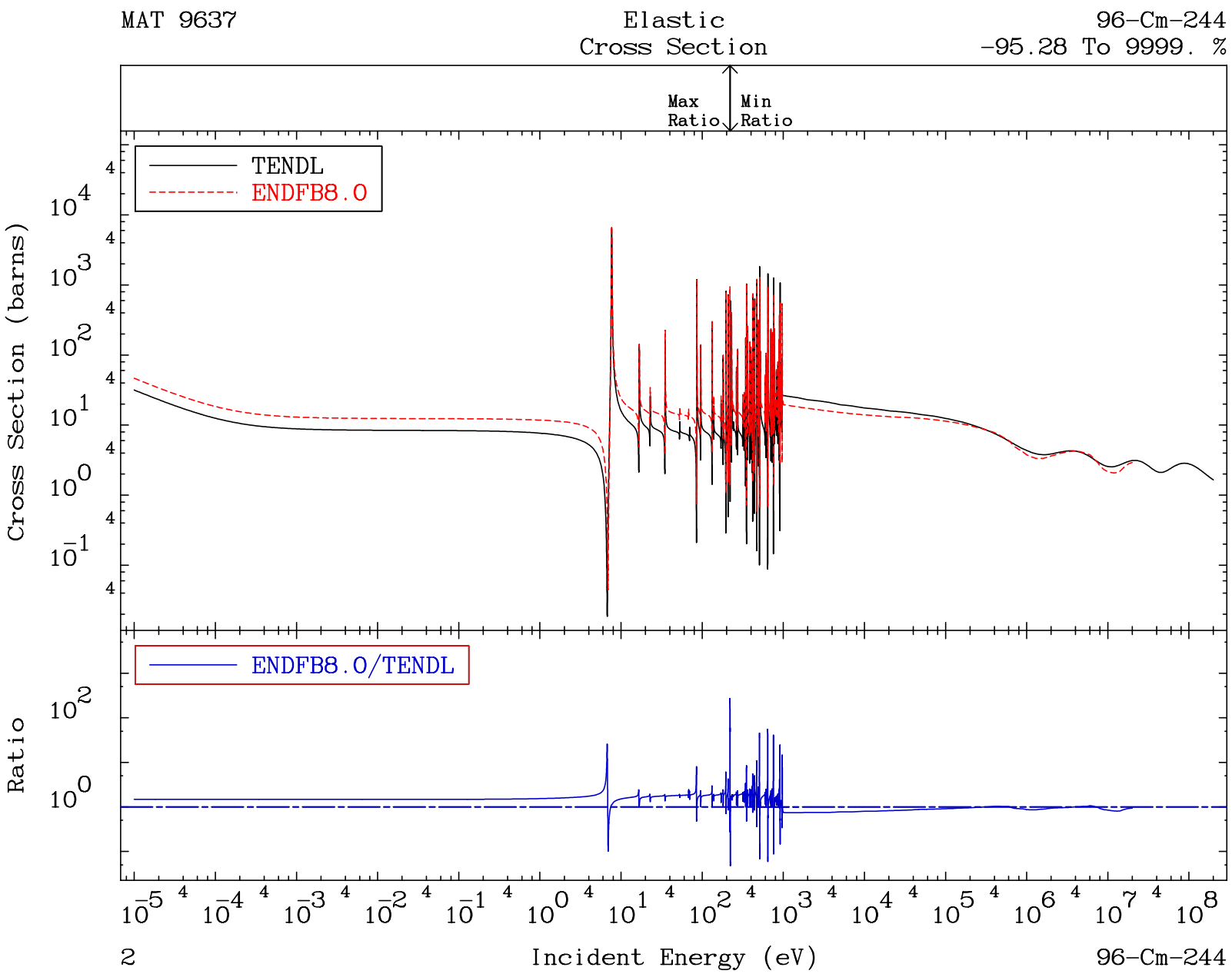
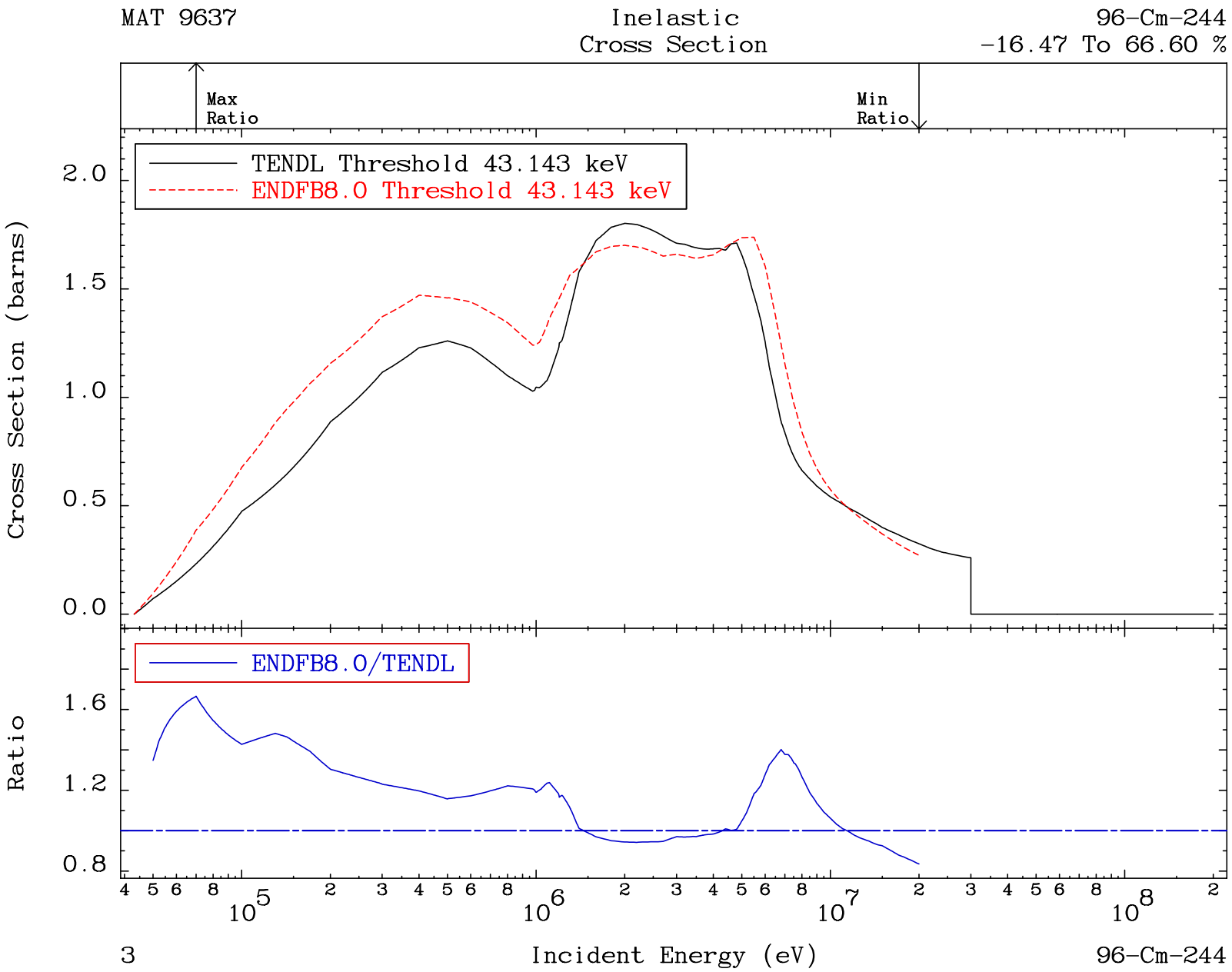
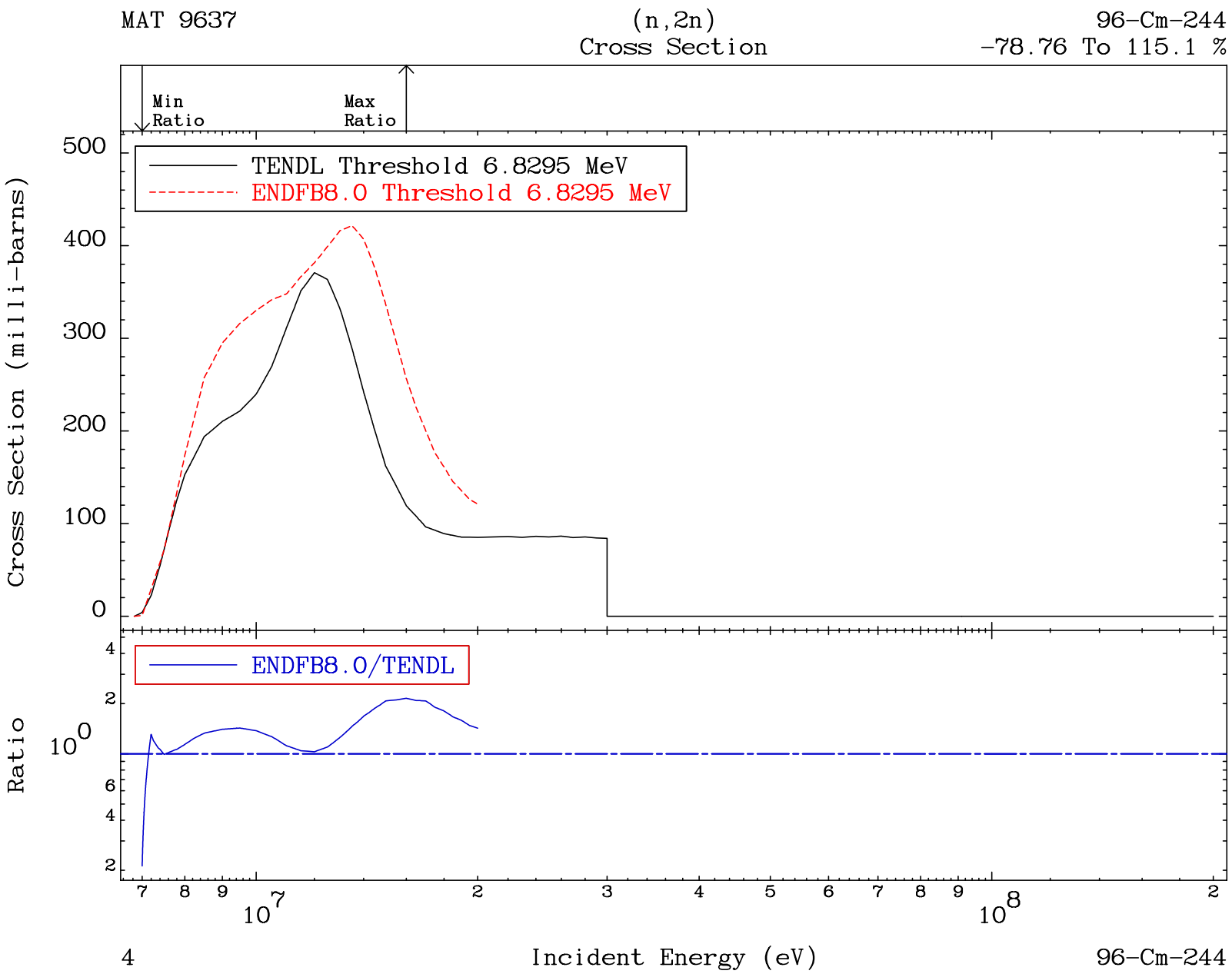
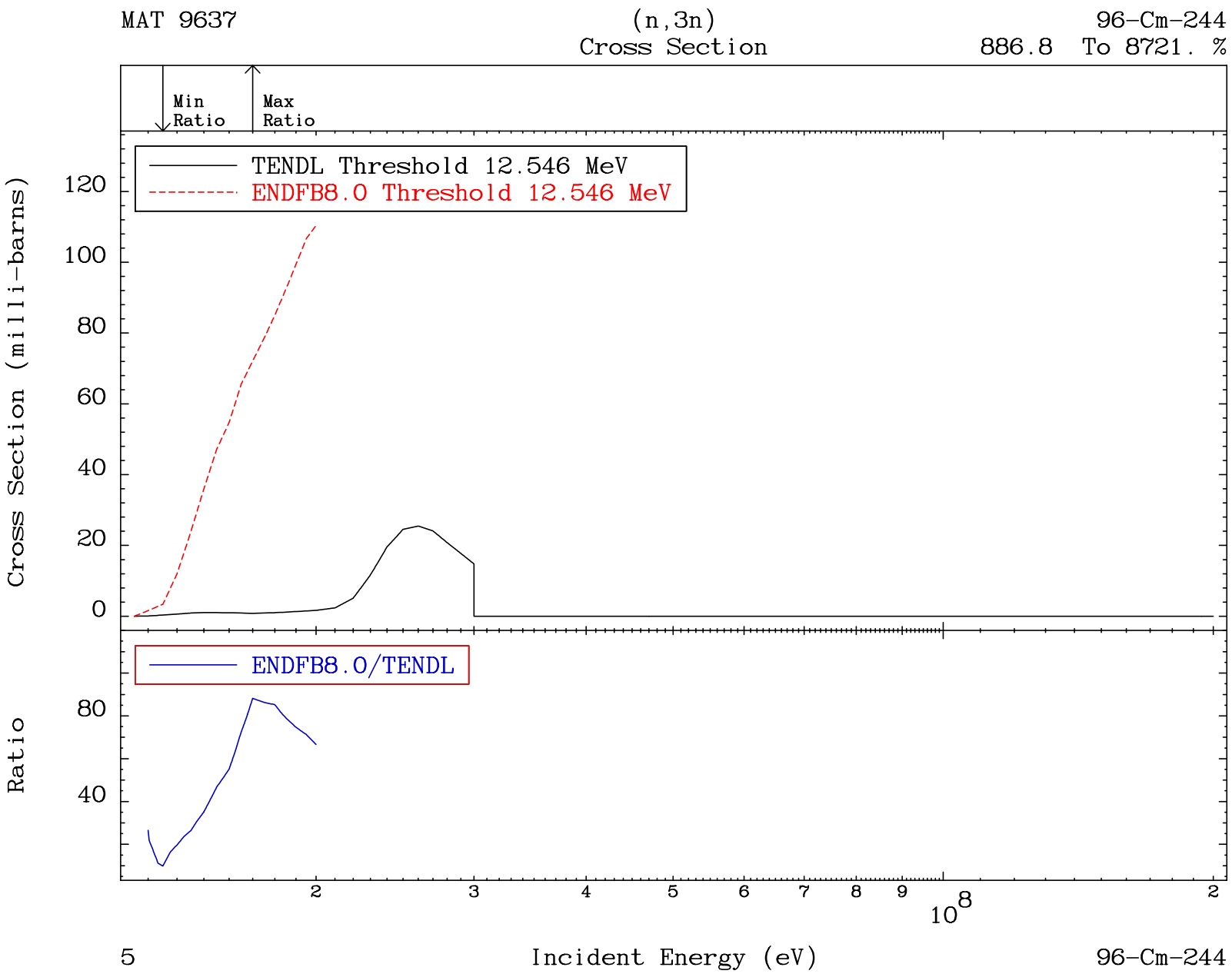
Press Mouse Button to Start

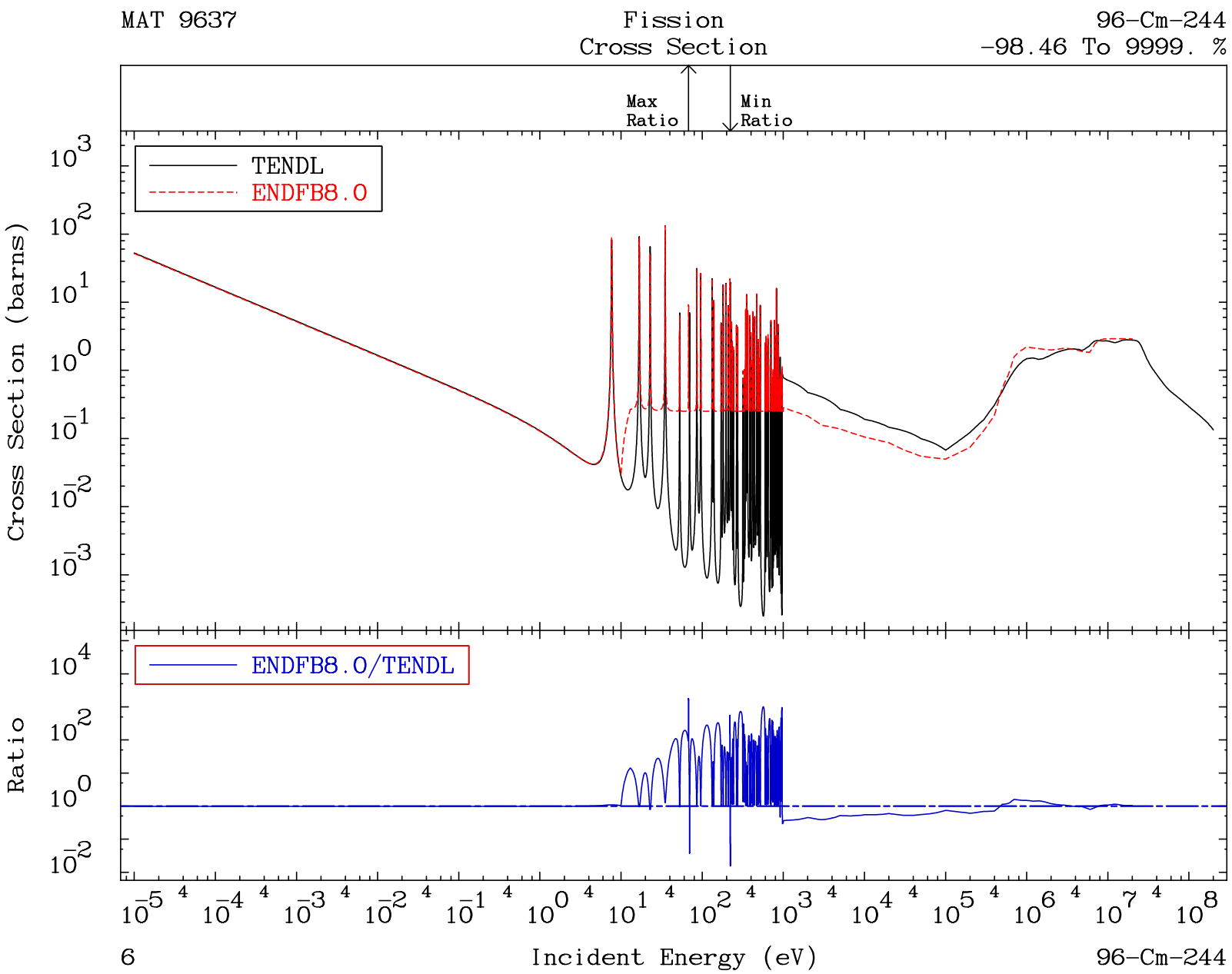

MAT 9637
Total
Cross Section
96-Cm-244
-97.43 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
96-Cm-244

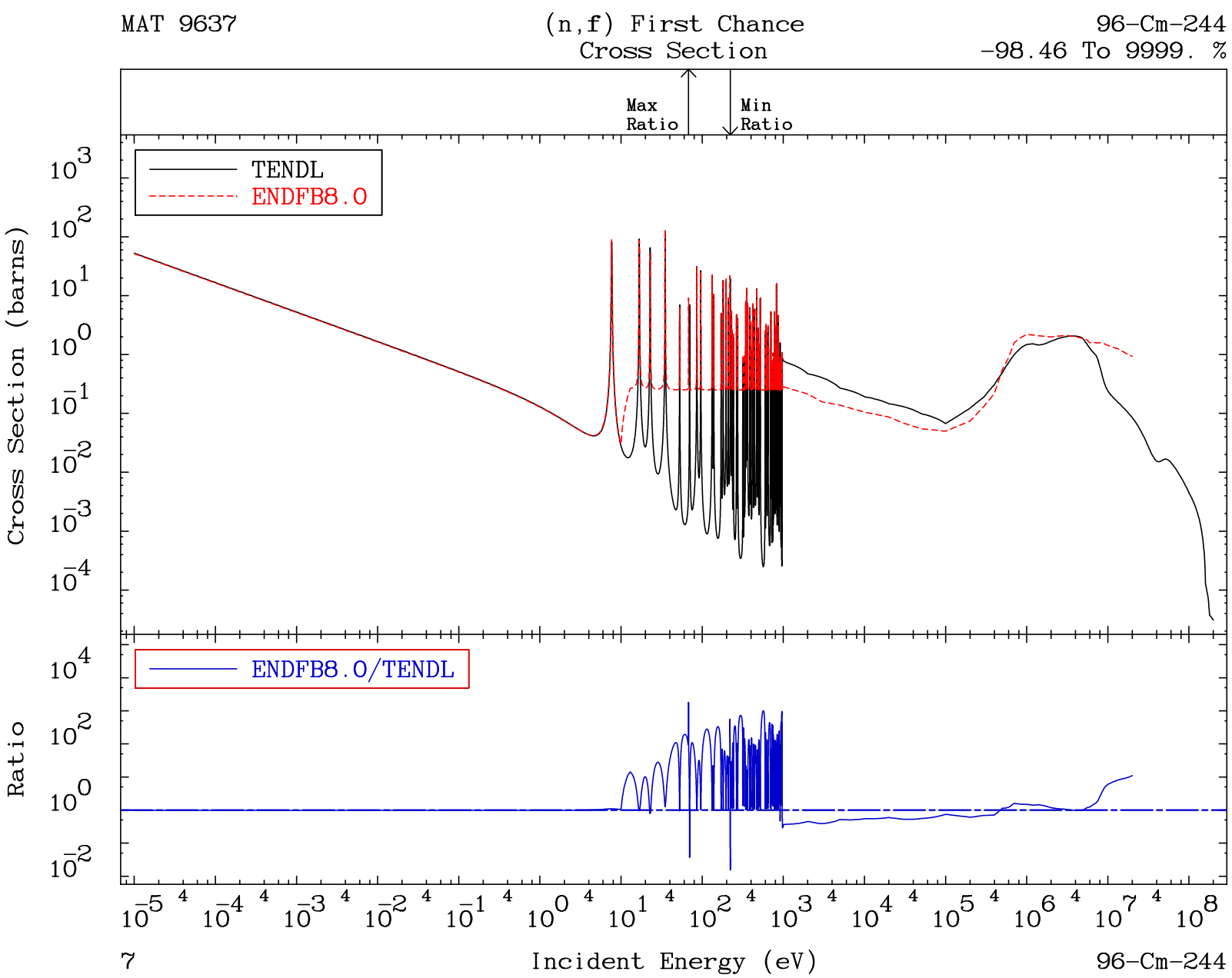

MAT 9637
Elastic
Cross Section
96-Cm-244
-95.28 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
96-Cm-244

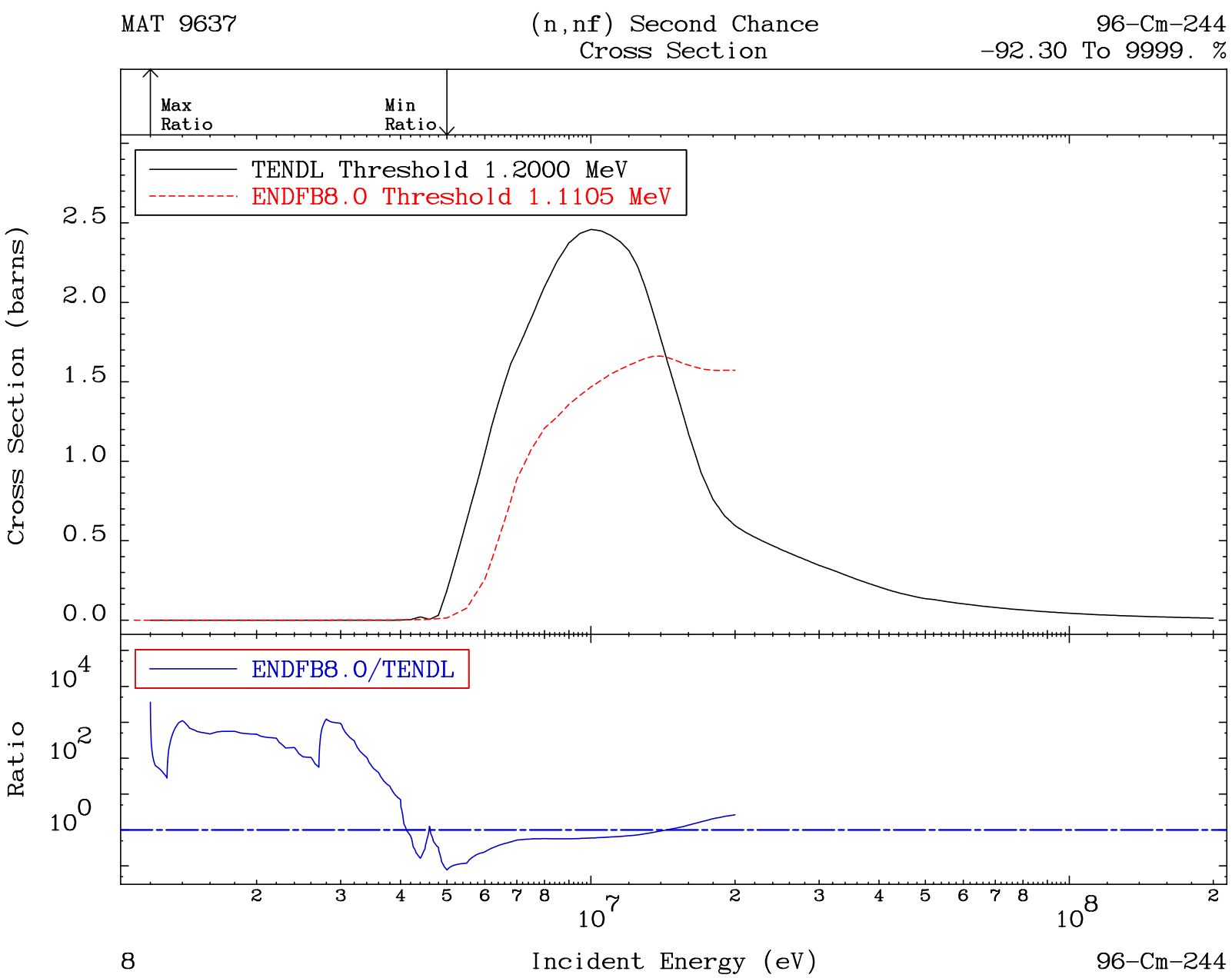

MAT 9637
Inelastic
Cross Section
96-Cm-244
-16.47 To 66.60 %
Max
Ratio
Min
Ratio
TENDL Threshold 43.143 keV
ENDFB8.0 Threshold 43.143 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-244

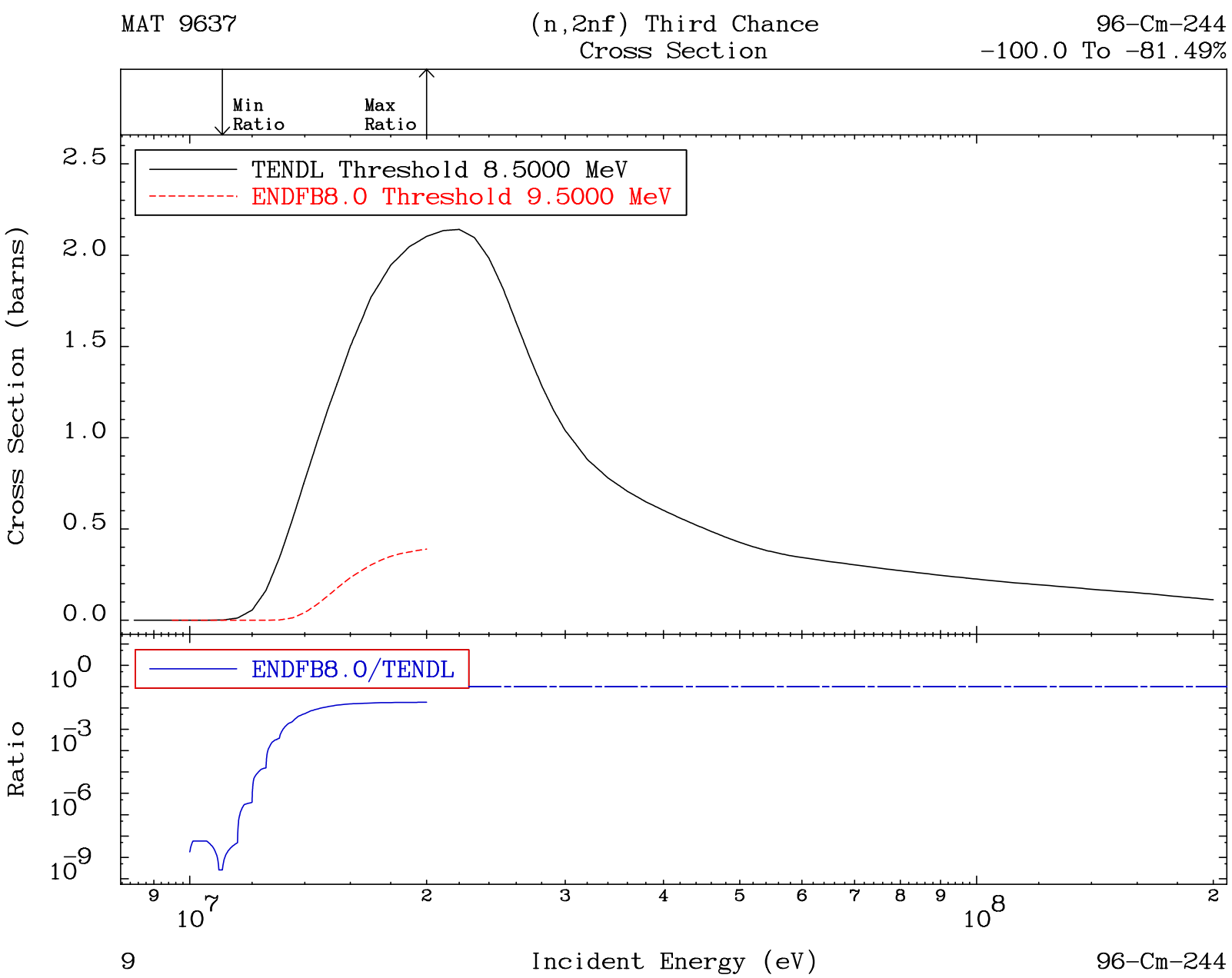

MAT 9637
(n,2n)
Cross Section
96-Cm-244
-78.76 To 115.1 %
Min Ratio
Max Ratio
TENDL Threshold 6.8295 MeV
ENDFB8.0 Threshold 6.8295 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
4
2
10^0
6
4
2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
96-Cm-244

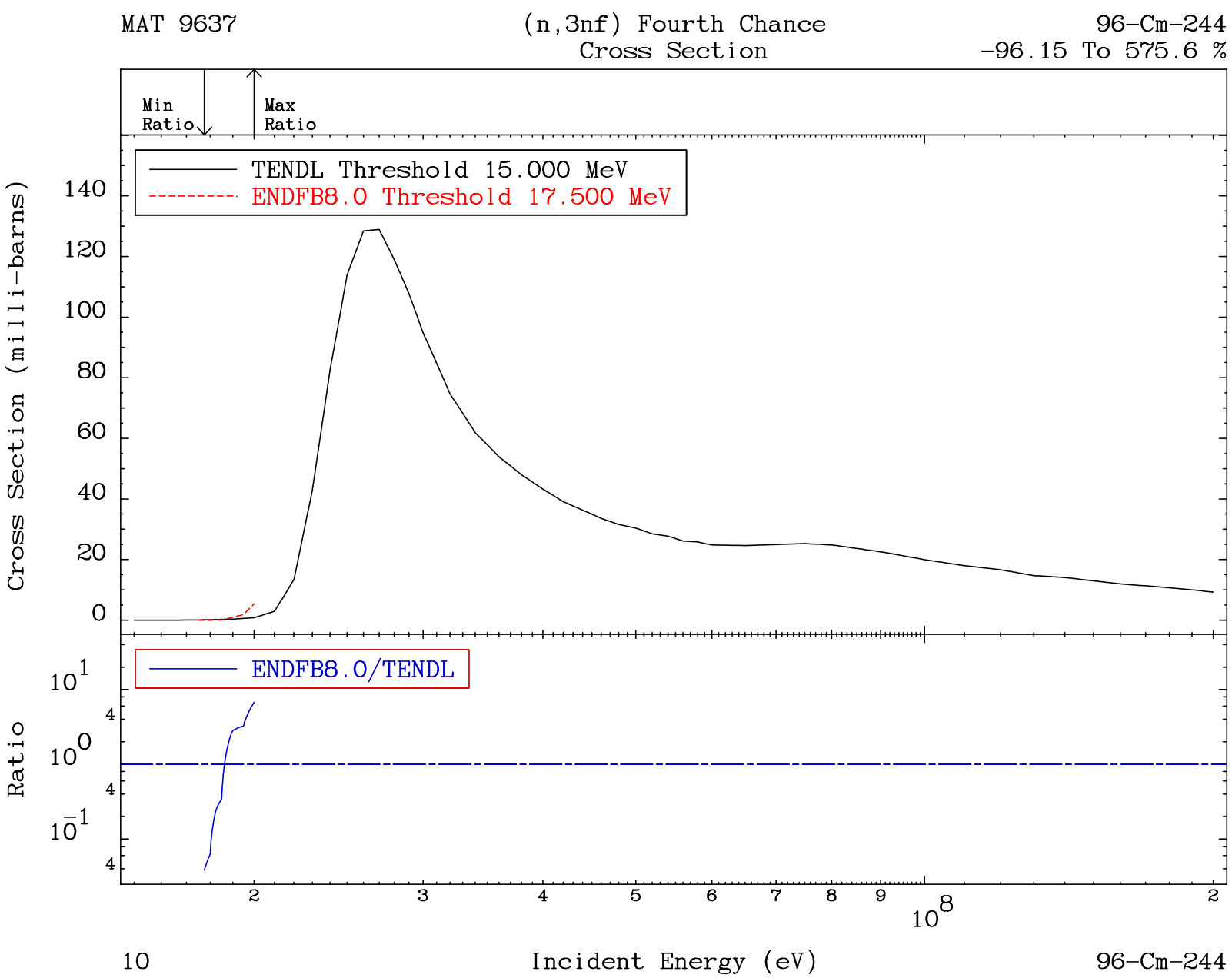

MAT 9637
(n,3n)
Cross Section
96-Cm-244
886.8 To 8721. %
Min Ratio
Max Ratio
TENDL Threshold 12.546 MeV
ENDFB8.0 Threshold 12.546 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
80
40
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
96-Cm-244

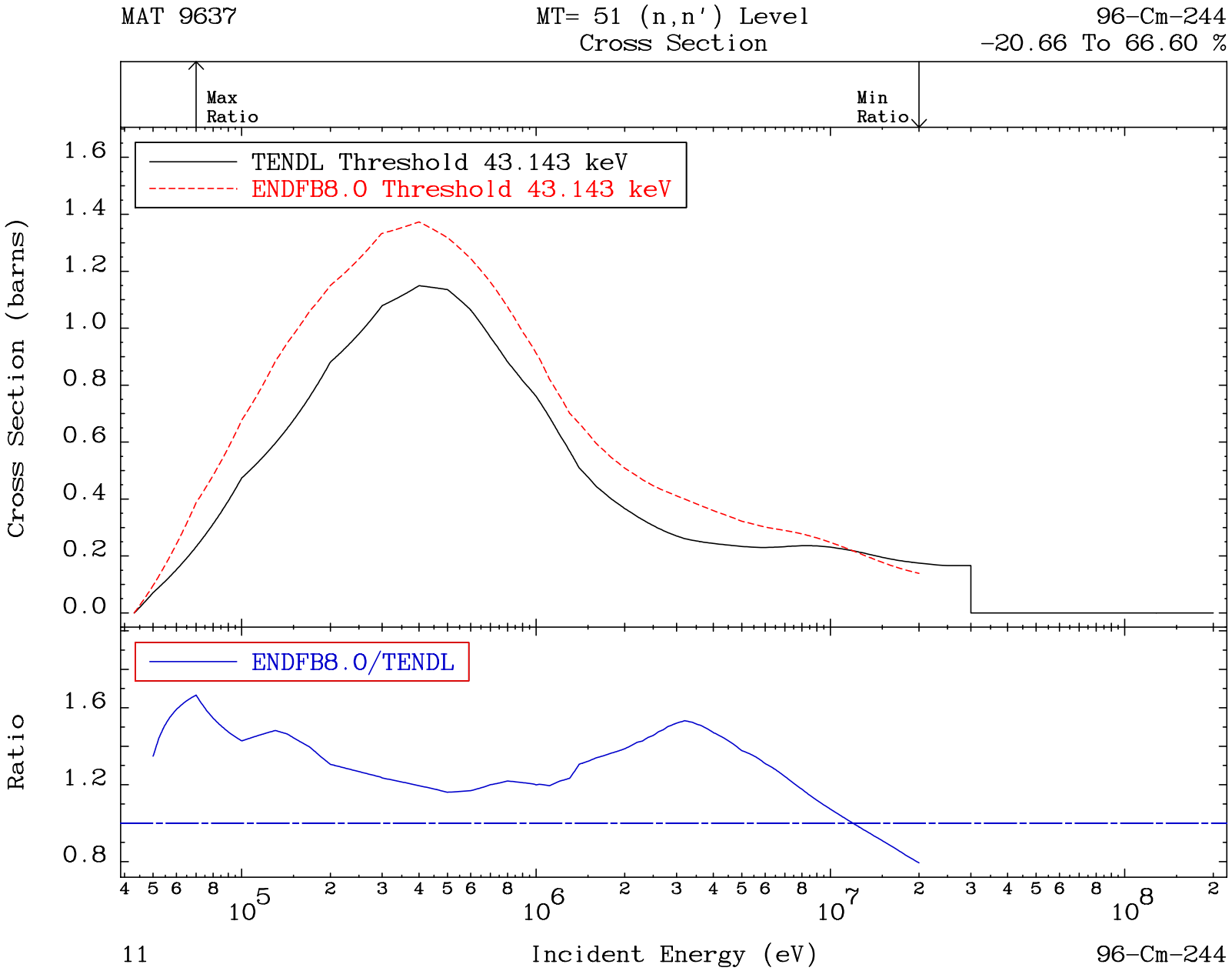

MAT 9637
Fission
Cross Section
96-Cm-244
-98.46 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
6
96-Cm-244

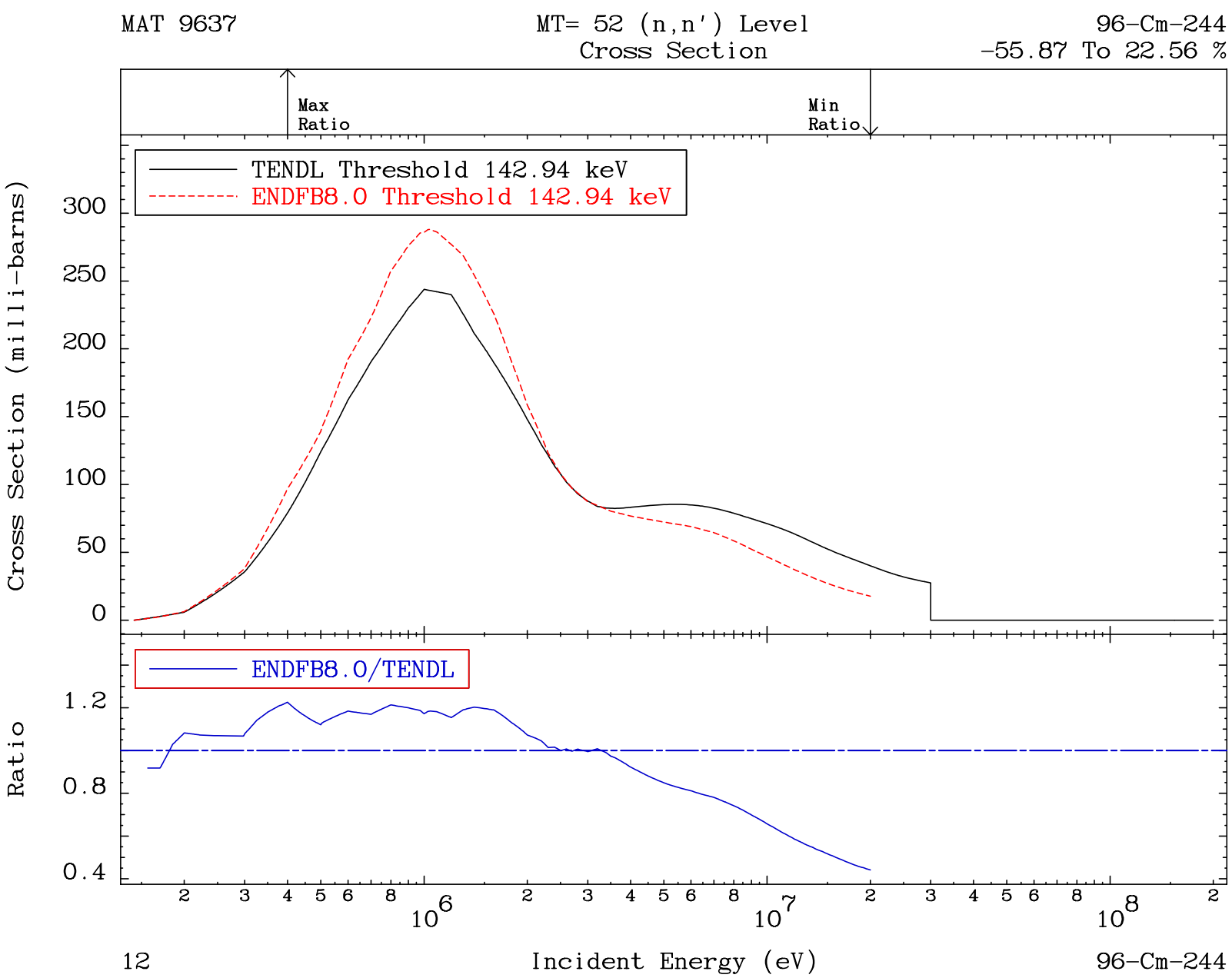

MAT 9637
(n,f) First Chance
Cross Section
96-Cm-244
-98.46 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
7
96-Cm-244

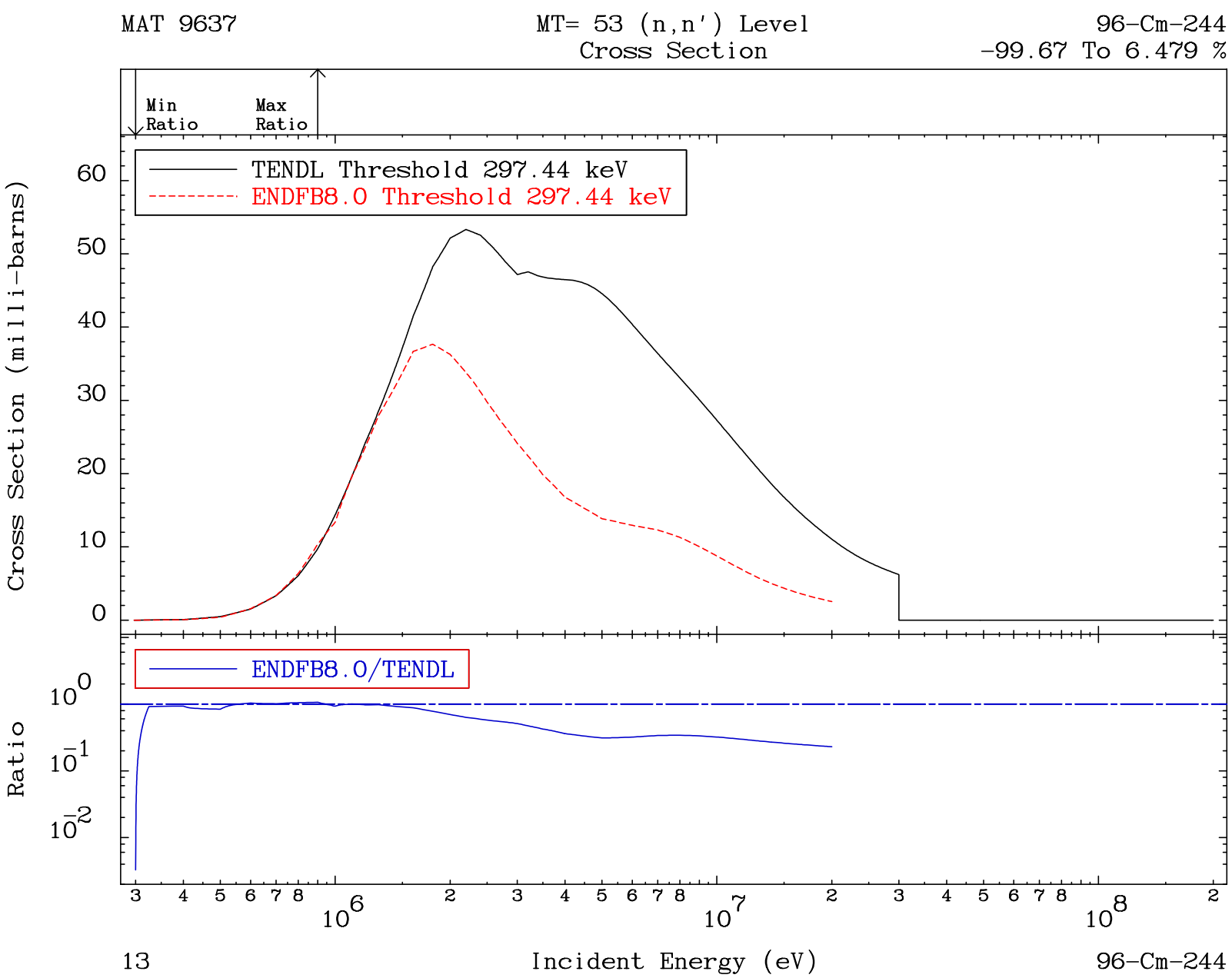

MAT 9637
(n,nf) Second Chance
Cross Section
96-Cm-244
-92.30 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 1.2000 MeV
ENDFB8.0 Threshold 1.1105 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
96-Cm-244

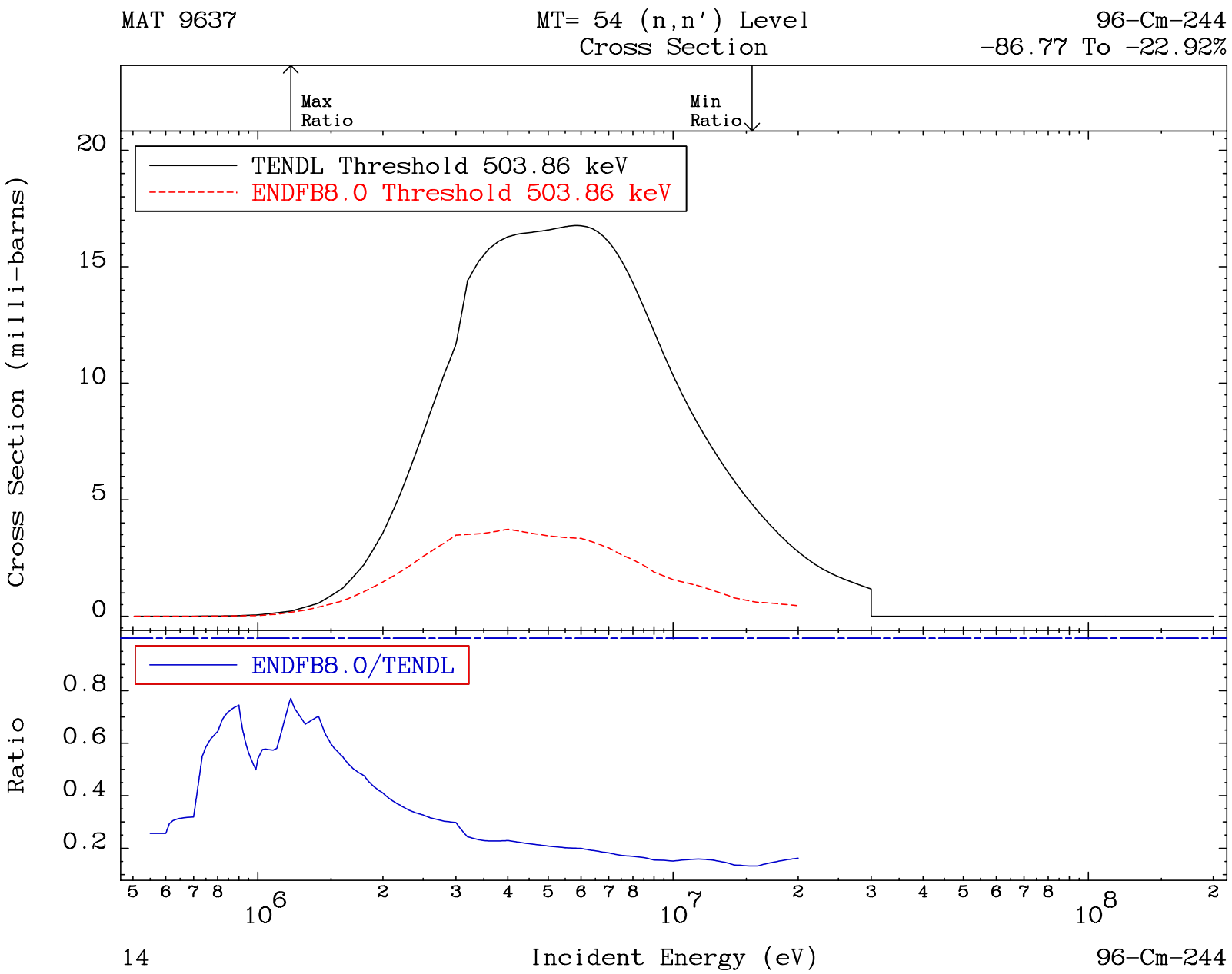

MAT 9637
(n,2nf) Third Chance
Cross Section
96-Cm-244
-100.0 To -81.49%
Min
Ratio
Max
Ratio
TENDL Threshold 8.5000 MeV
ENDFB8.0 Threshold 9.5000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
96-Cm-244

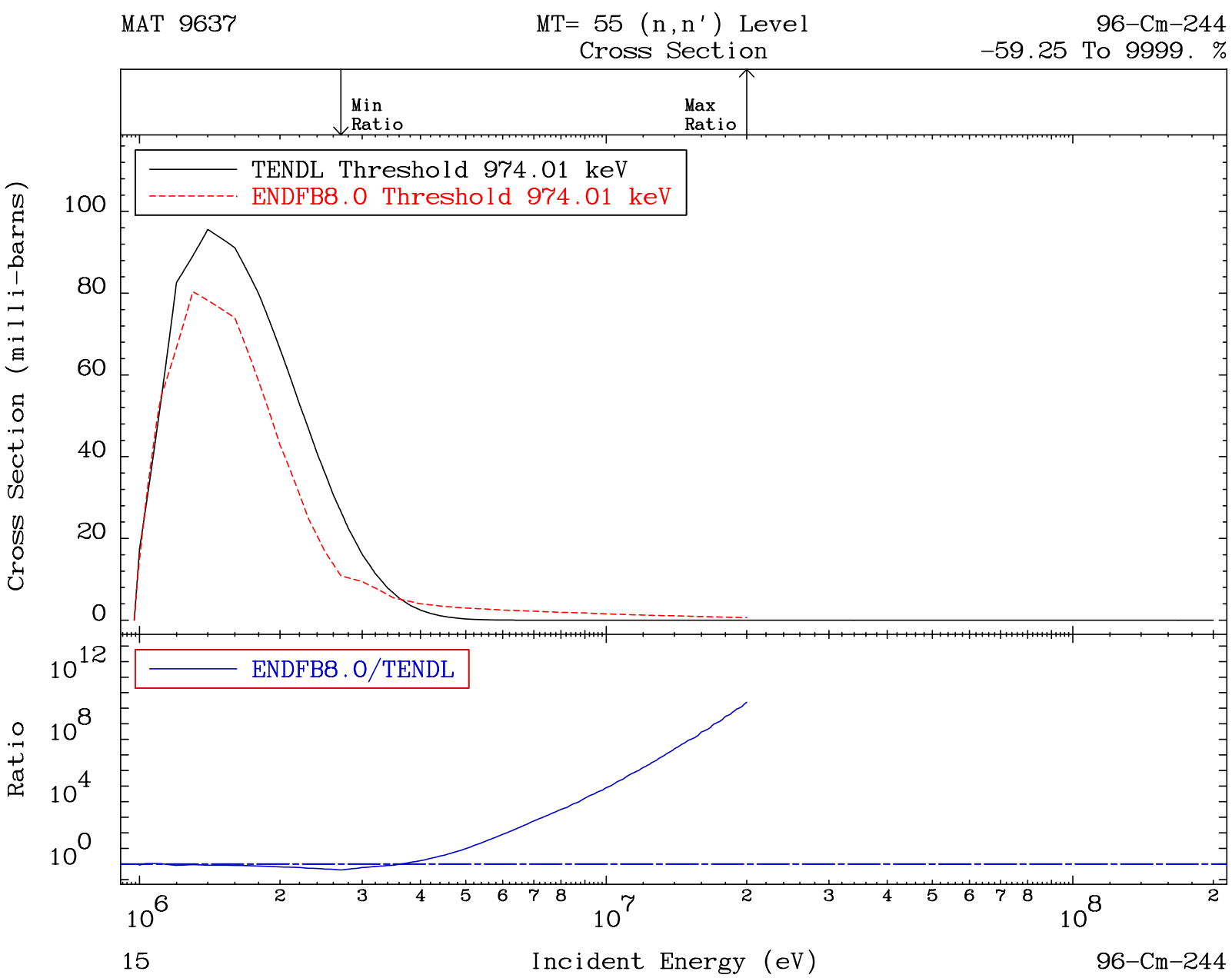

MAT 9637
(n,3nf) Fourth Chance
Cross Section
96-Cm-244
-96.15 To 575.6 %
Min
Ratio
Max
Ratio
TENDL Threshold 15.000 MeV
ENDFB8.0 Threshold 17.500 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
4
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
96-Cm-244

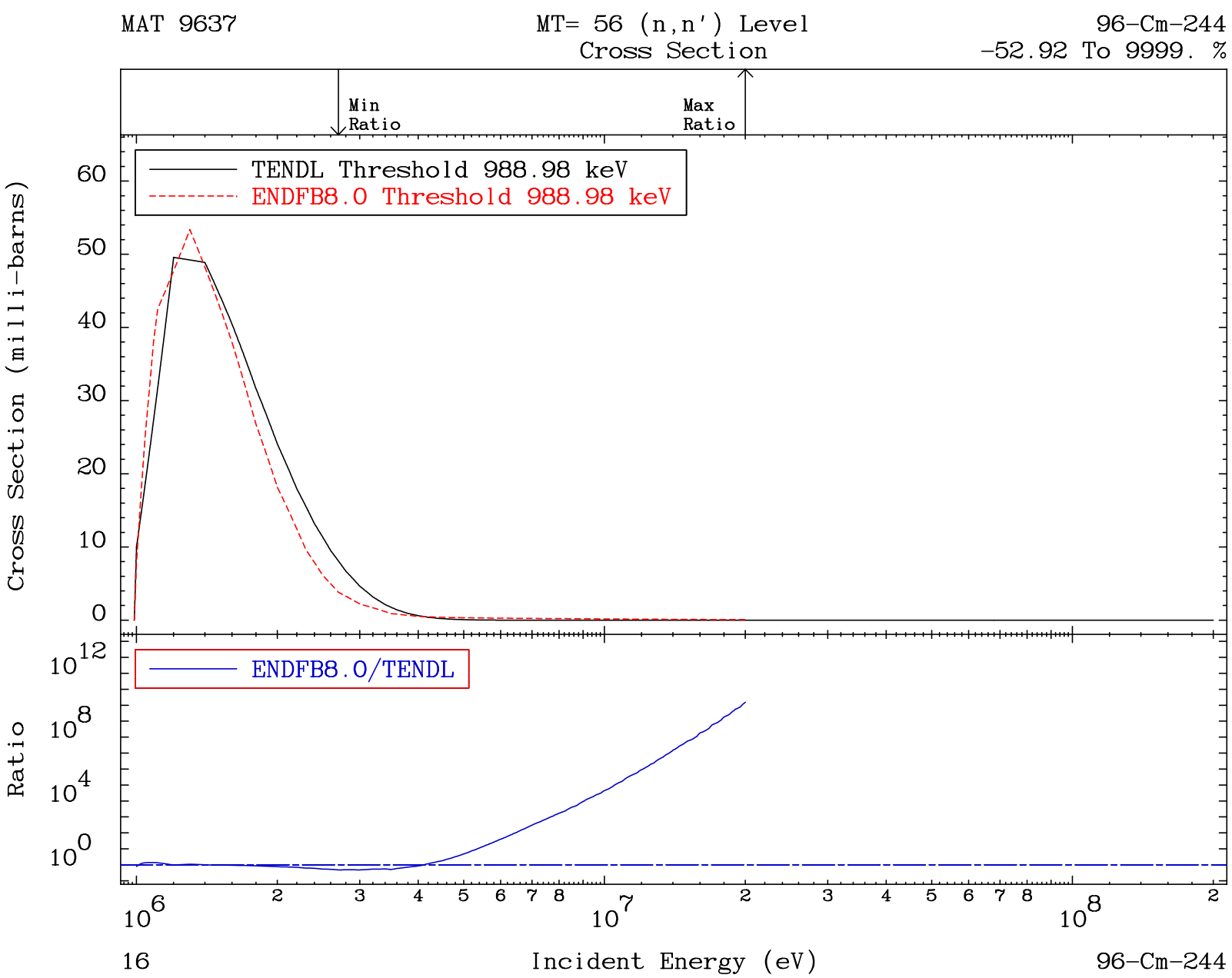

MAT 9637
MT= 51 (n,n') Level
Cross Section
96-Cm-244
-20.66 To 66.60 %
Max
Ratio
Min
Ratio
TENDL Threshold 43.143 keV
ENDFB8.0 Threshold 43.143 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
96-Cm-244

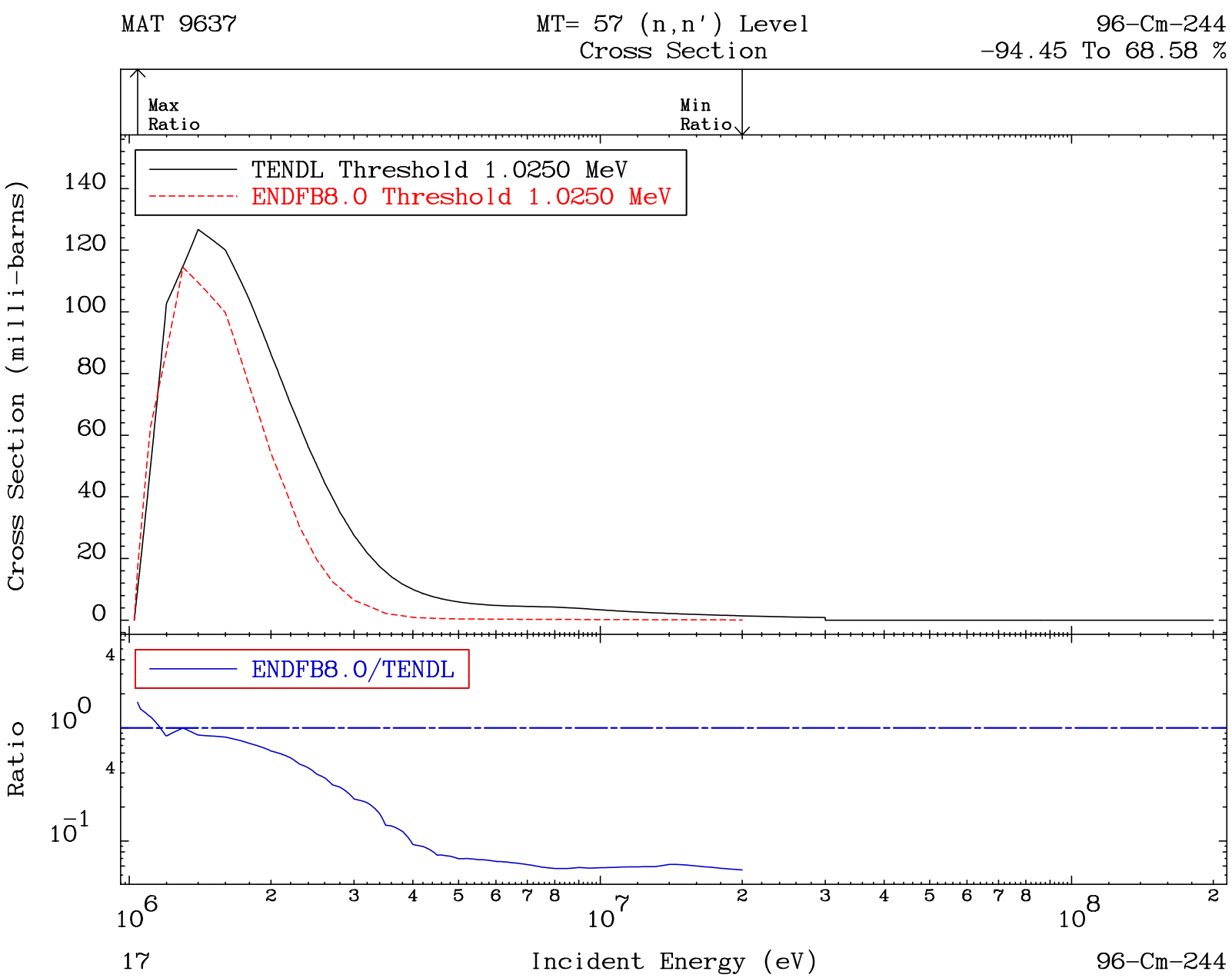

MAT 9637
MT= 52 (n,n') Level
Cross Section
96-Cm-244
-55.87 To 22.56 %
Max
Ratio
Min
Ratio
TENDL Threshold 142.94 keV
ENDFB8.0 Threshold 142.94 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
1.2
0.8
0.4
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
96-Cm-244

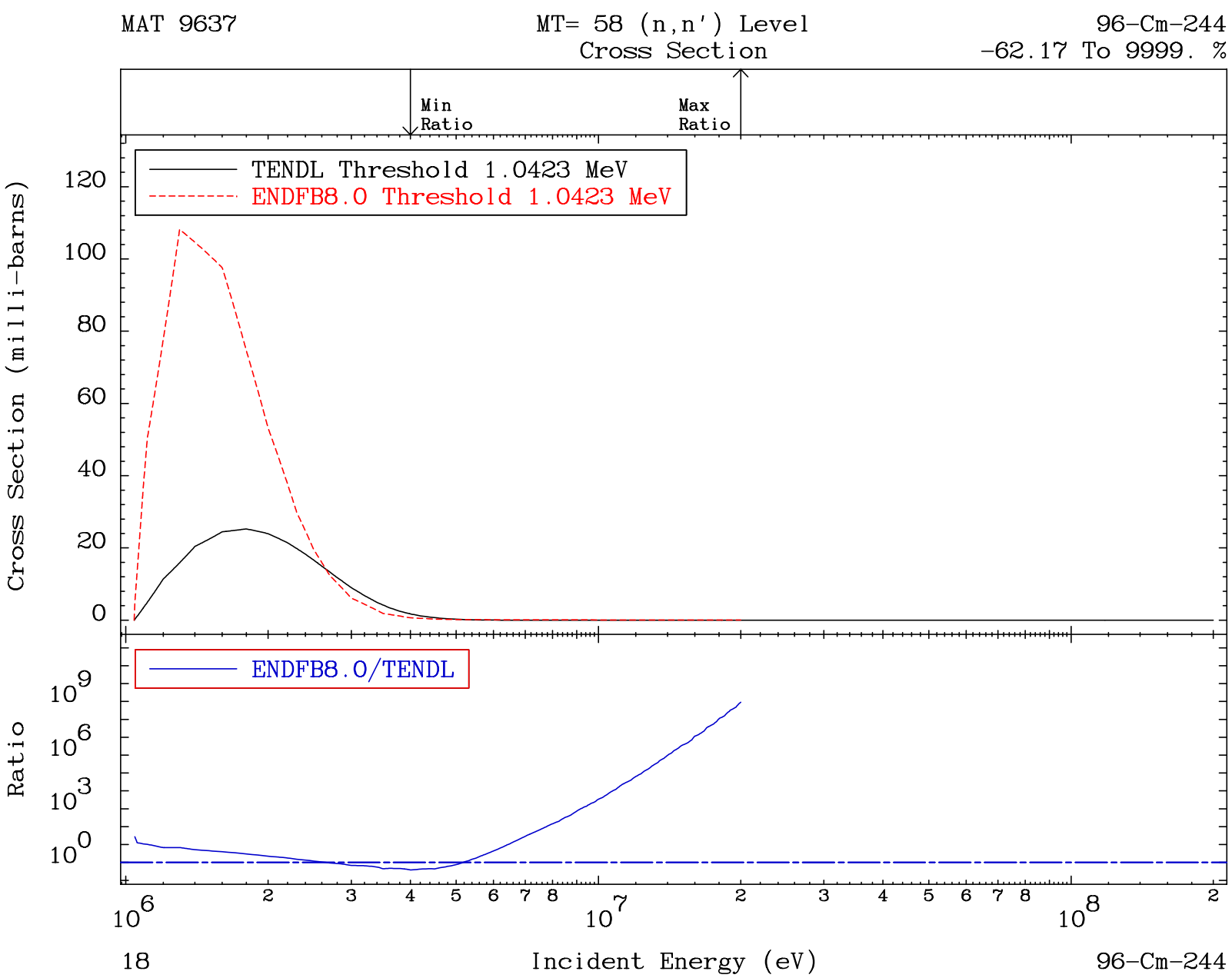

MAT 9637
MT= 53 (n,n') Level
Cross Section
96-Cm-244
-99.67 To 6.479 %
Min Ratio
Max Ratio
TENDL Threshold 297.44 keV
ENDFB8.0 Threshold 297.44 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
96-Cm-244

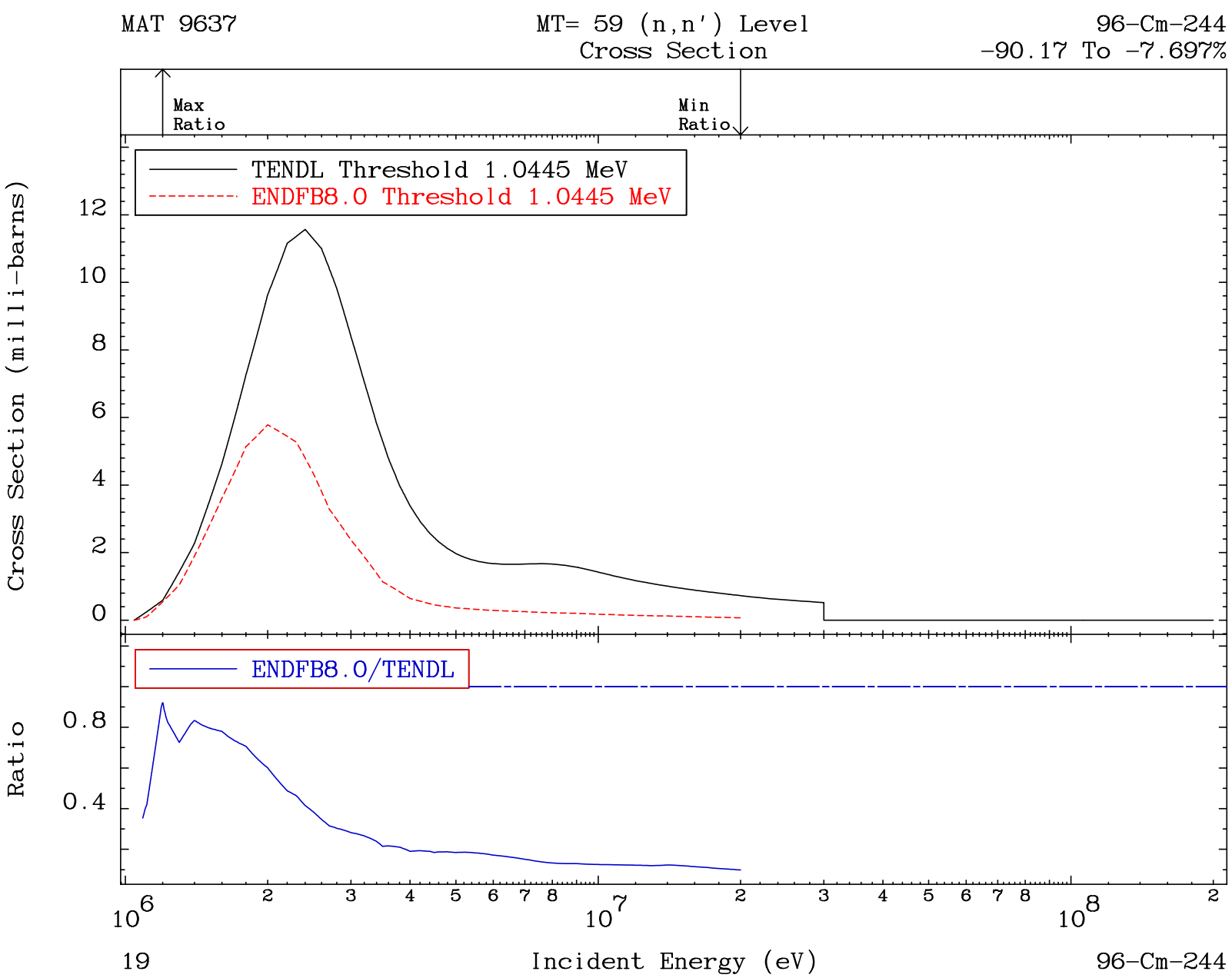

MAT 9637
MT= 54 (n,n') Level
Cross Section
96-Cm-244
-86.77 To -22.92%
Max
Ratio
Min
Ratio
TENDL Threshold 503.86 keV
ENDFB8.0 Threshold 503.86 keV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
0.8
0.6
0.4
0.2
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
96-Cm-244

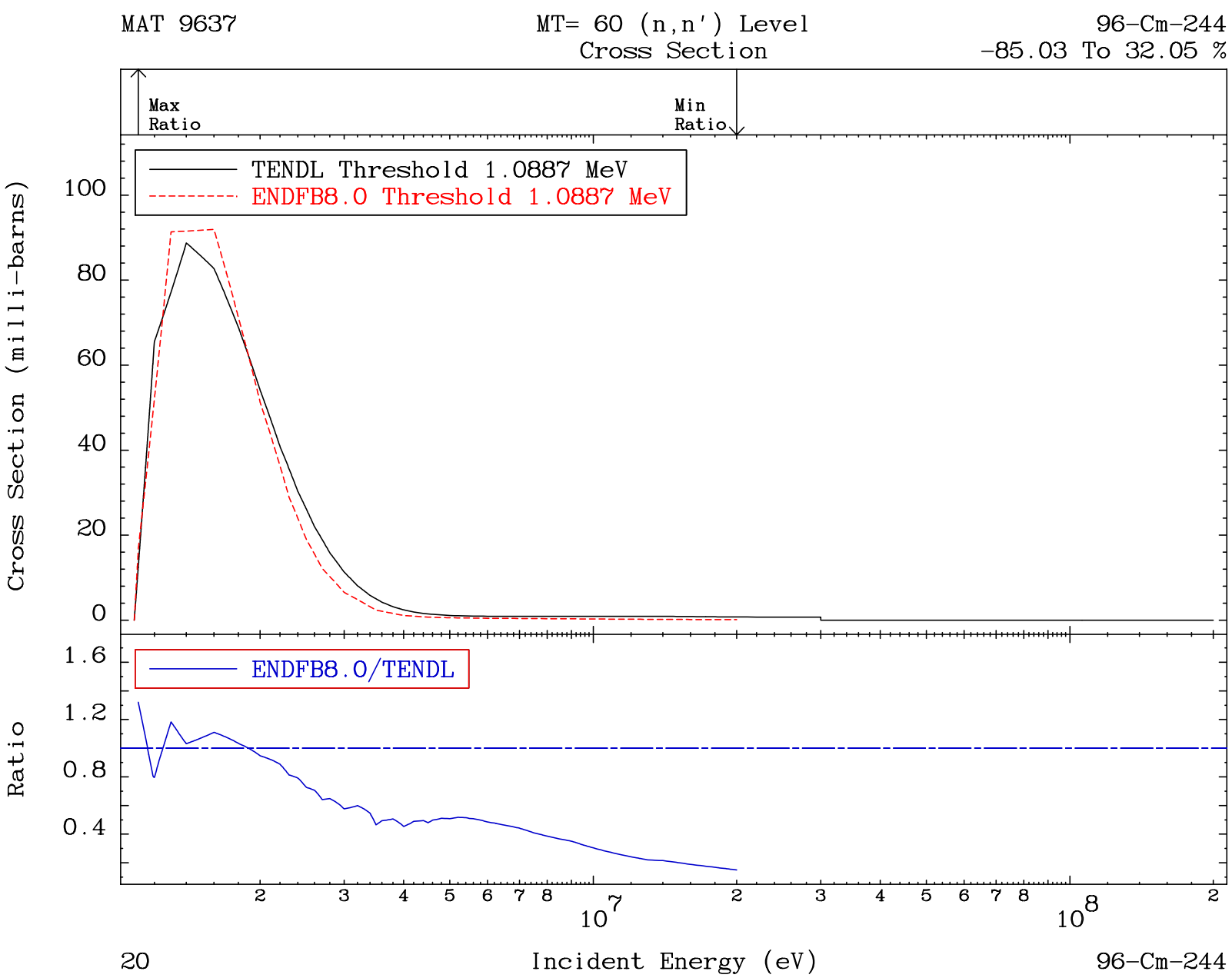

MAT 9637
MT= 55 (n,n') Level
Cross Section
96-Cm-244
-59.25 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 974.01 keV
ENDFB8.0 Threshold 974.01 keV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^12
10^8
10^4
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
96-Cm-244

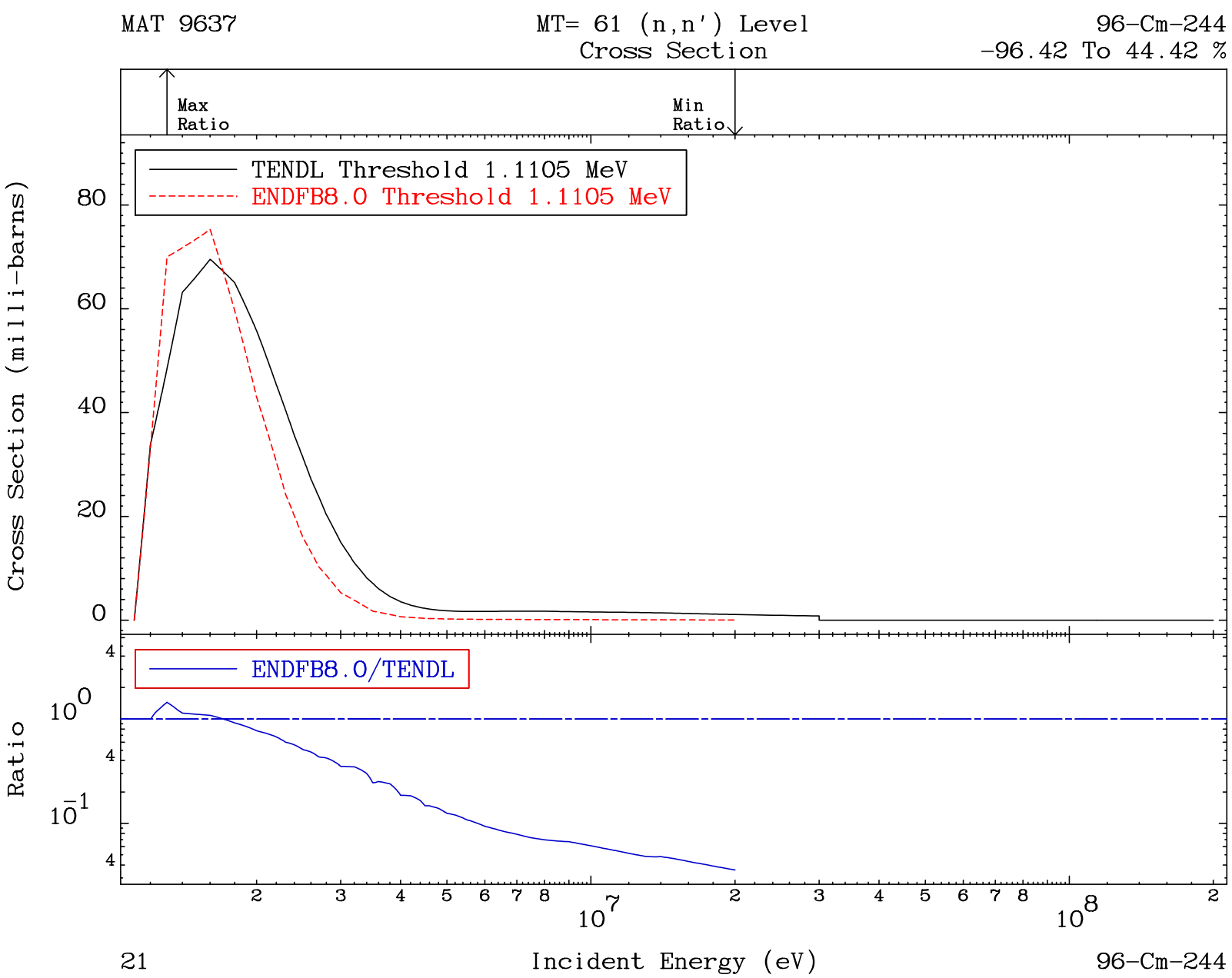

MAT 9637
MT= 56 (n,n') Level
Cross Section
96-Cm-244
-52.92 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 988.98 keV
ENDFB8.0 Threshold 988.98 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^12
10^8
10^4
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
96-Cm-244

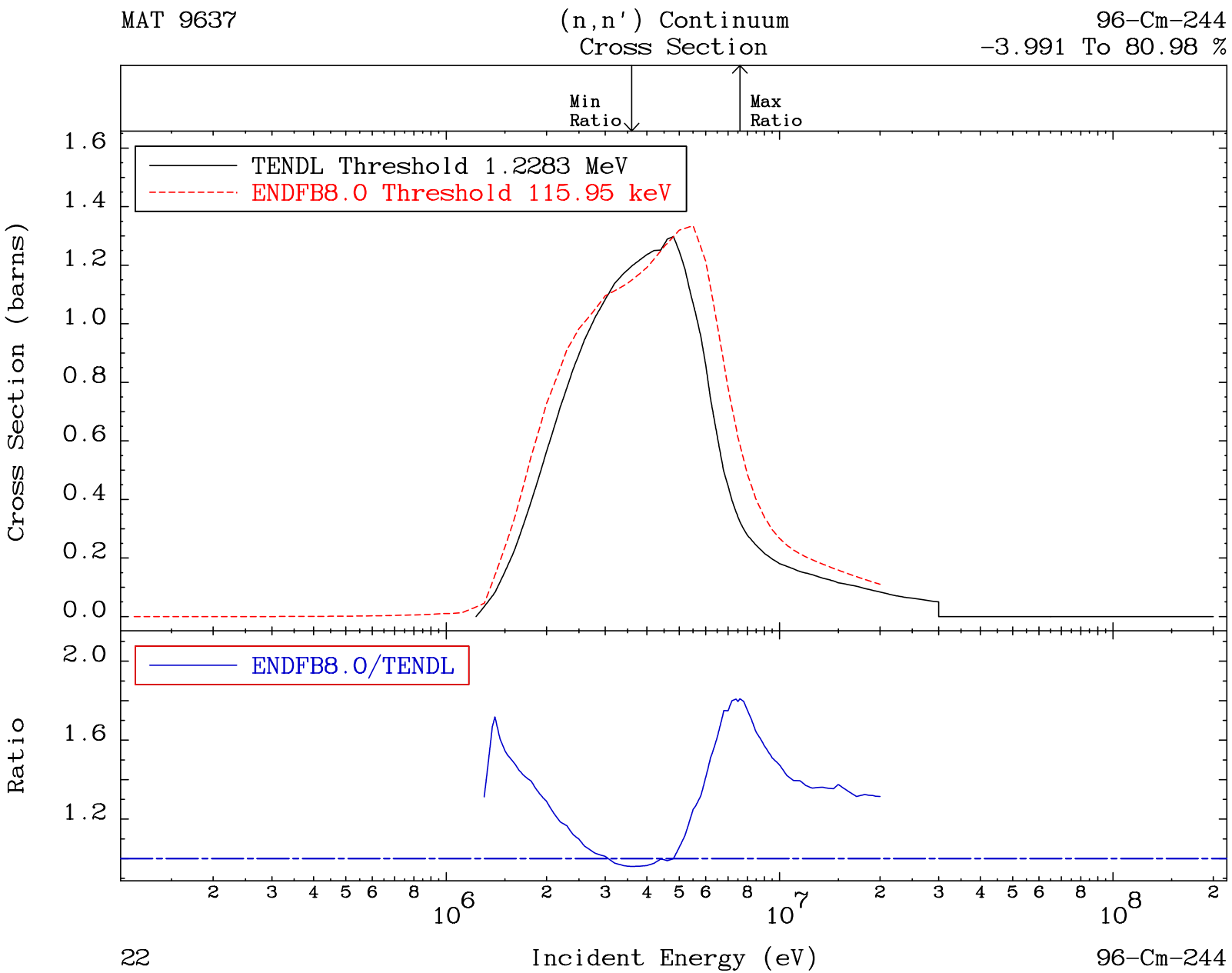

MAT 9637
MT= 57 (n,n') Level
Cross Section
96-Cm-244
-94.45 To 68.58 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0250 MeV
ENDFB8.0 Threshold 1.0250 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
96-Cm-244

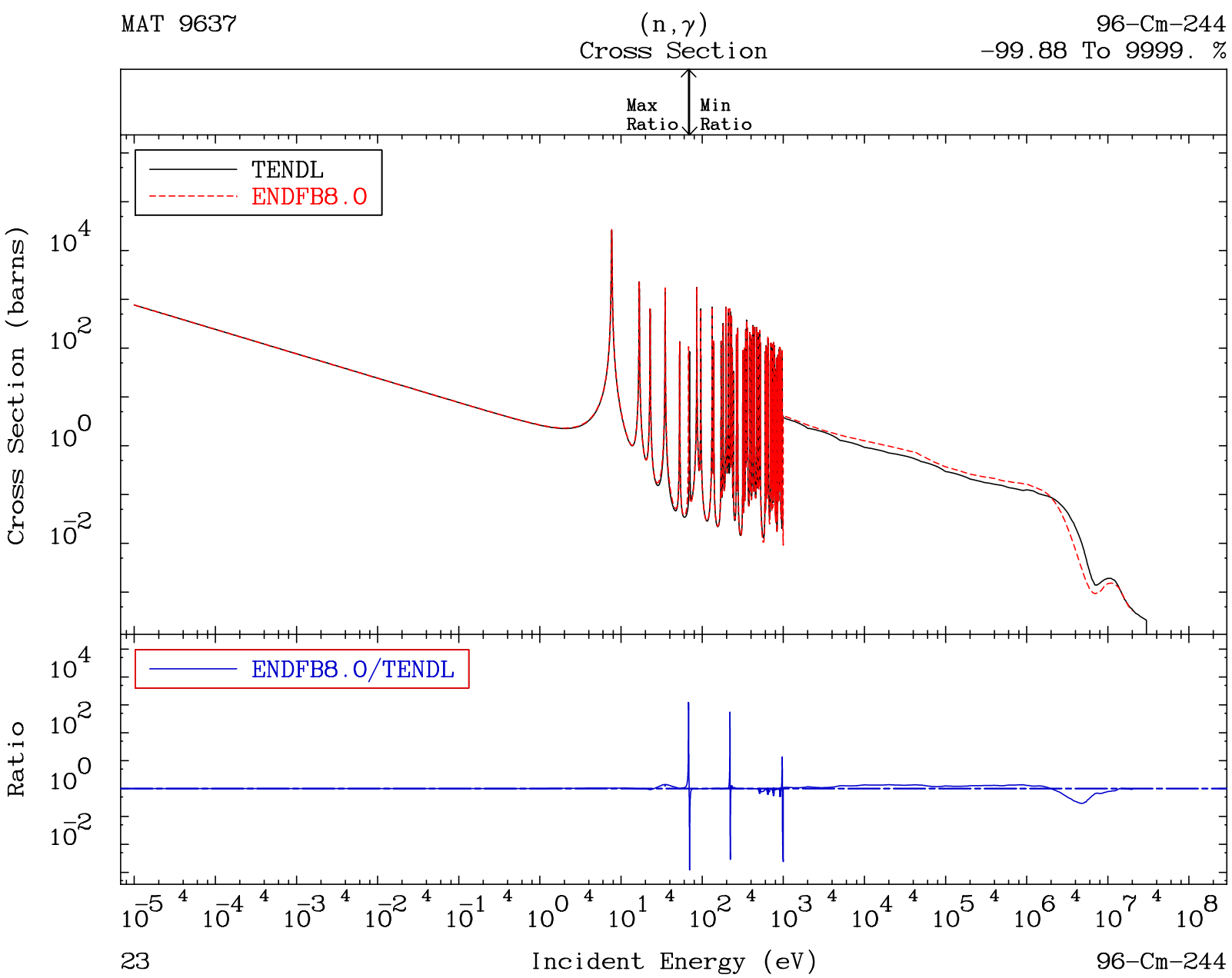

MAT 9637
MT= 58 (n,n') Level
Cross Section
96-Cm-244
-62.17 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.0423 MeV
ENDFB8.0 Threshold 1.0423 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^9
10^6
10^3
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
96-Cm-244

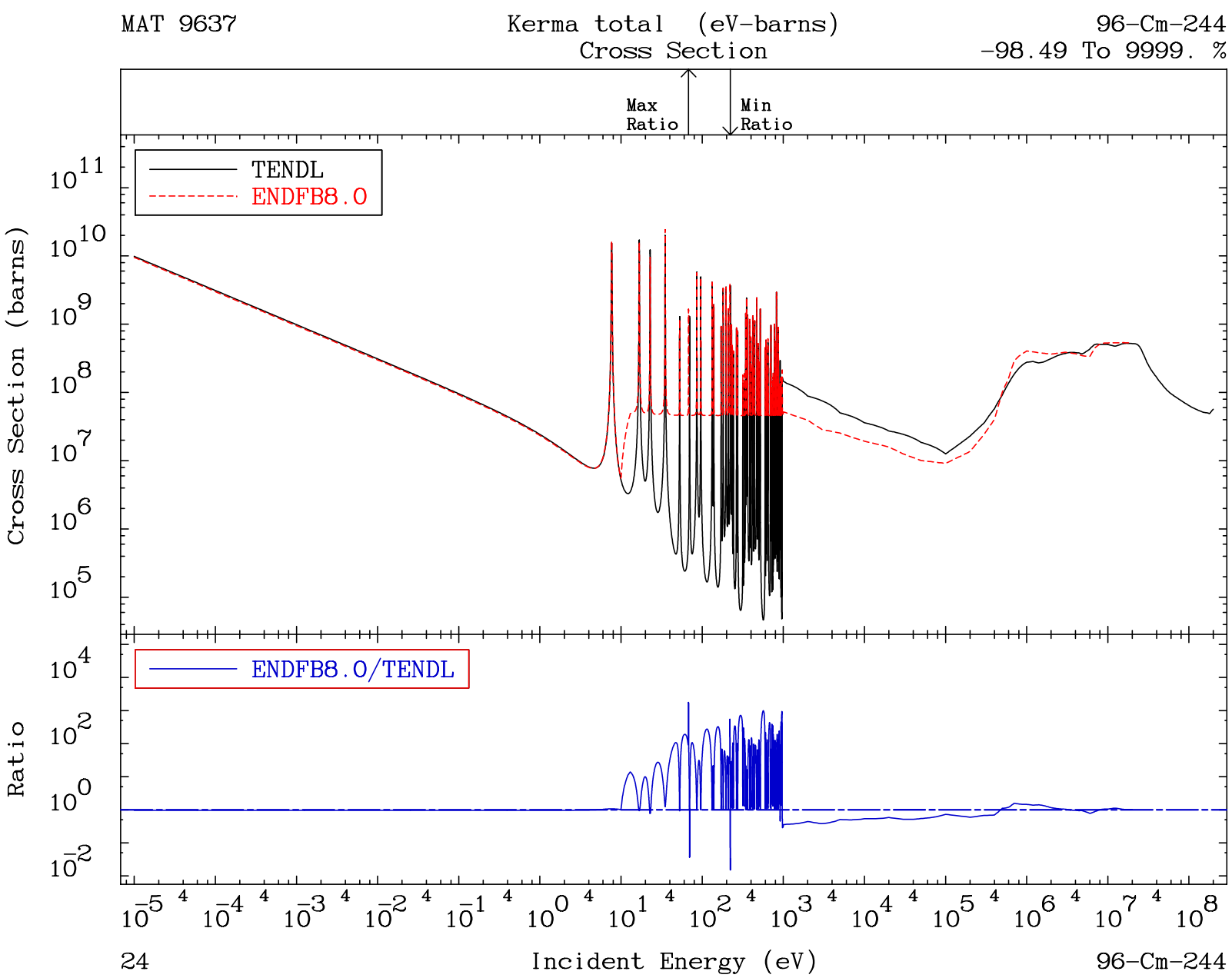

MAT 9637
MT= 59 (n,n') Level
Cross Section
96-Cm-244
-90.17 To -7.697%
Max
Ratio
Min
Ratio
TENDL Threshold 1.0445 MeV
ENDFB8.0 Threshold 1.0445 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
ENDFB8.0/TENDL
Ratio
0.4
0.8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
96-Cm-244

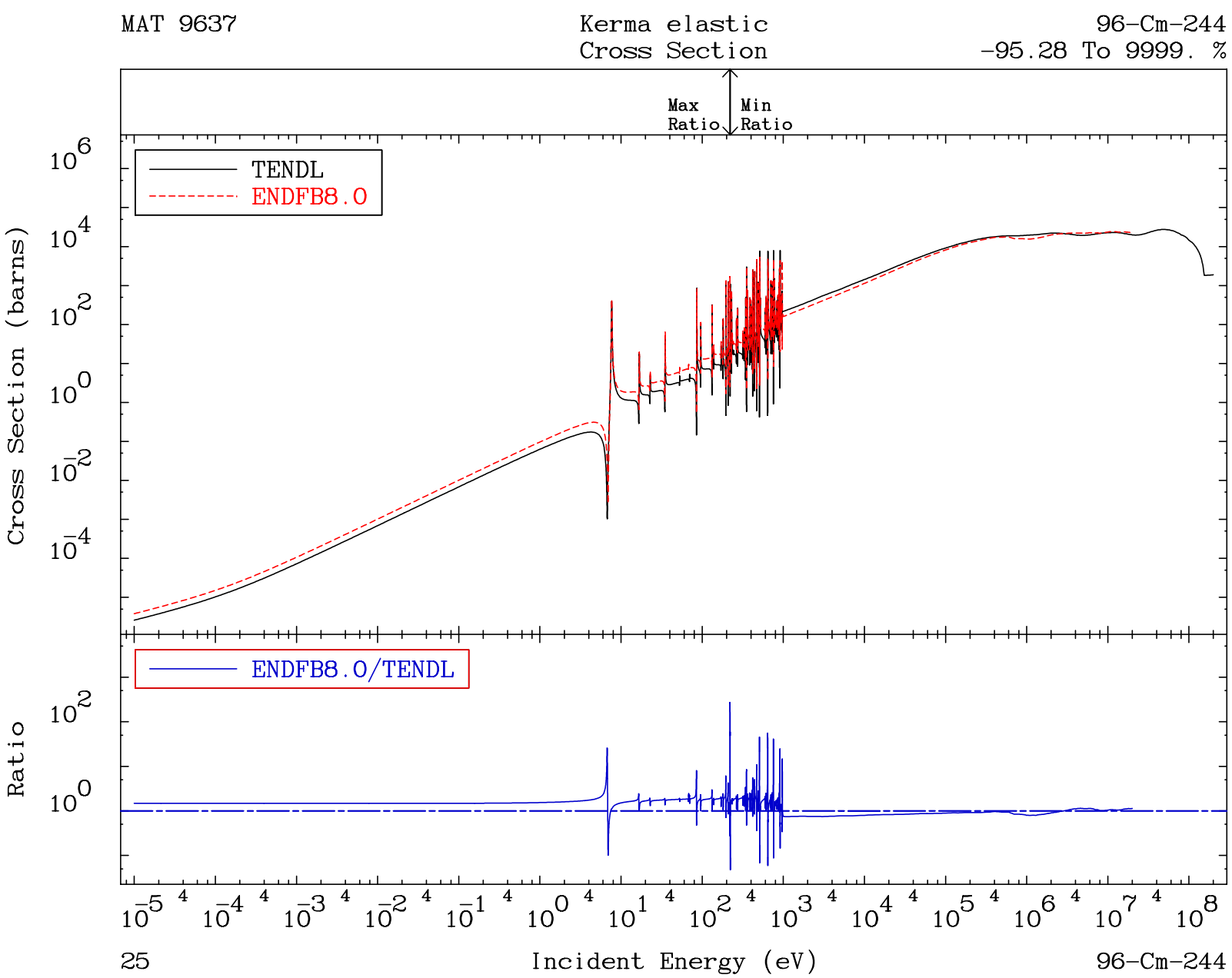

MAT 9637
MT= 60 (n,n') Level
Cross Section
96-Cm-244
-85.03 To 32.05 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0887 MeV
ENDFB8.0 Threshold 1.0887 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
96-Cm-244

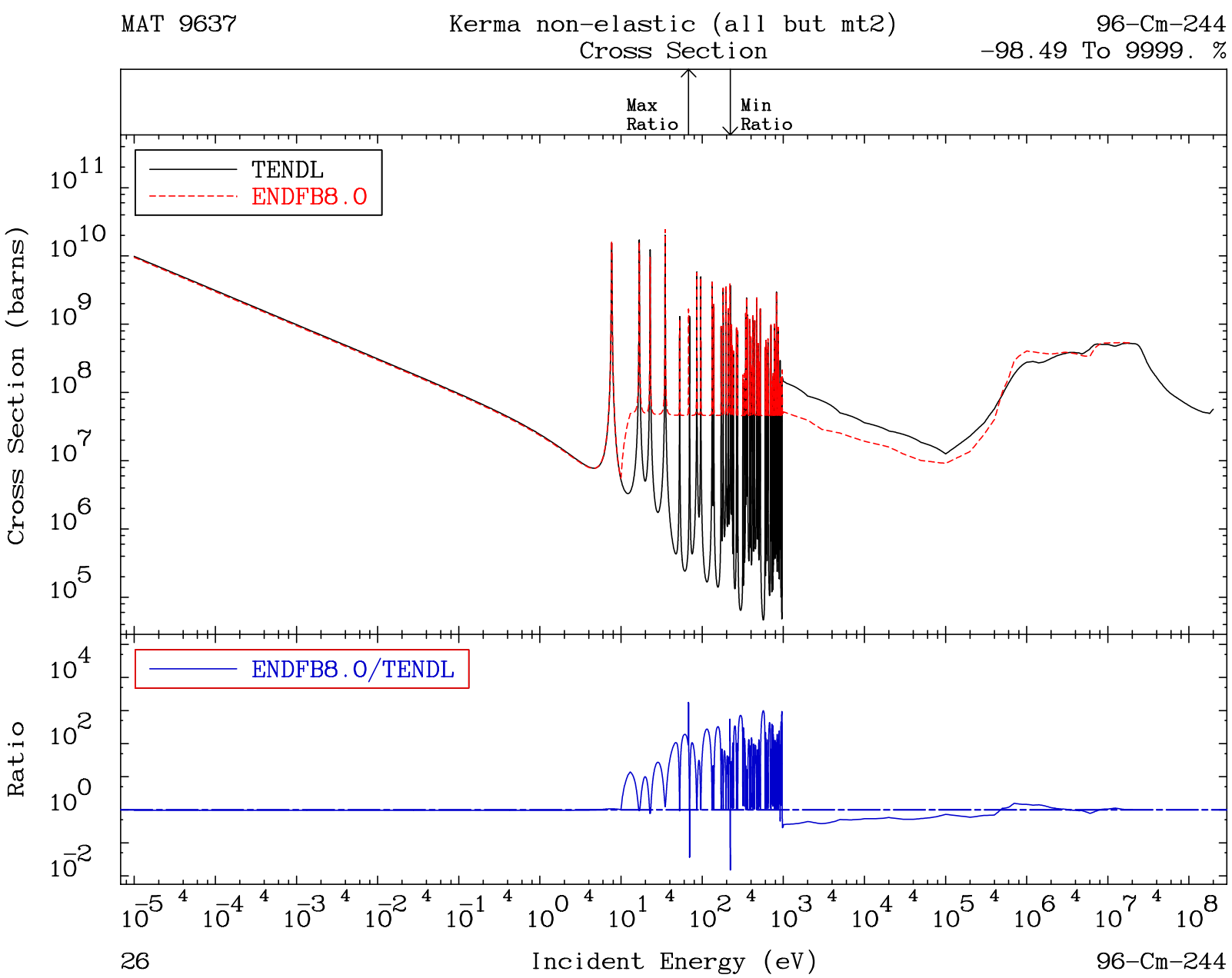

MAT 9637
MT= 61 (n,n') Level
Cross Section
96-Cm-244
-96.42 To 44.42 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1105 MeV
ENDFB8.0 Threshold 1.1105 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^0
10^-1
4
2
3
4
5
6
7
8
10^7
10^8
21
Incident Energy (eV)
96-Cm-244

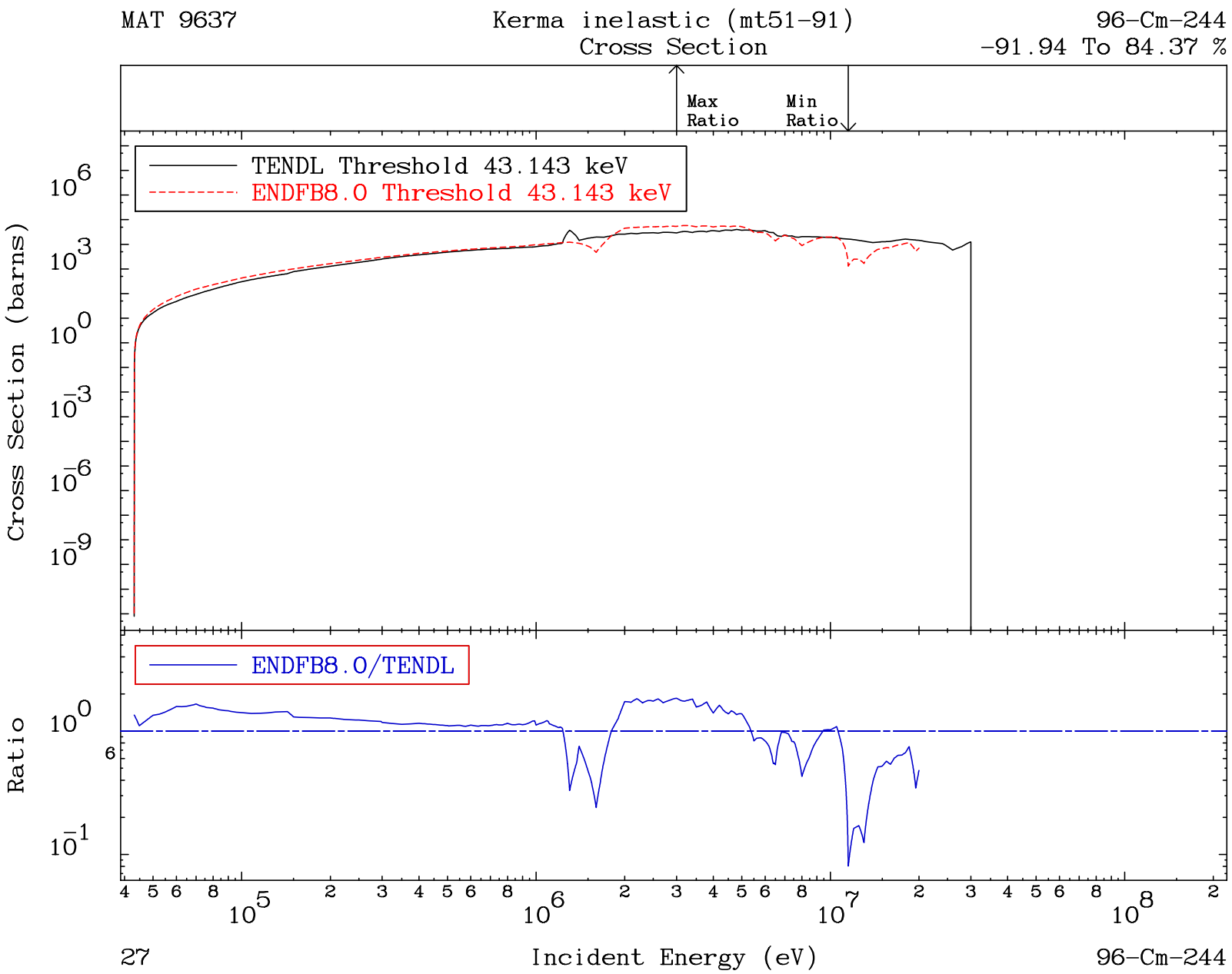

MAT 9637
(n,n') Continuum
Cross Section
96-Cm-244
-3.991 To 80.98 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2283 MeV
ENDFB8.0 Threshold 115.95 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
8
10^6
10^7
10^8
22
Incident Energy (eV)
96-Cm-244

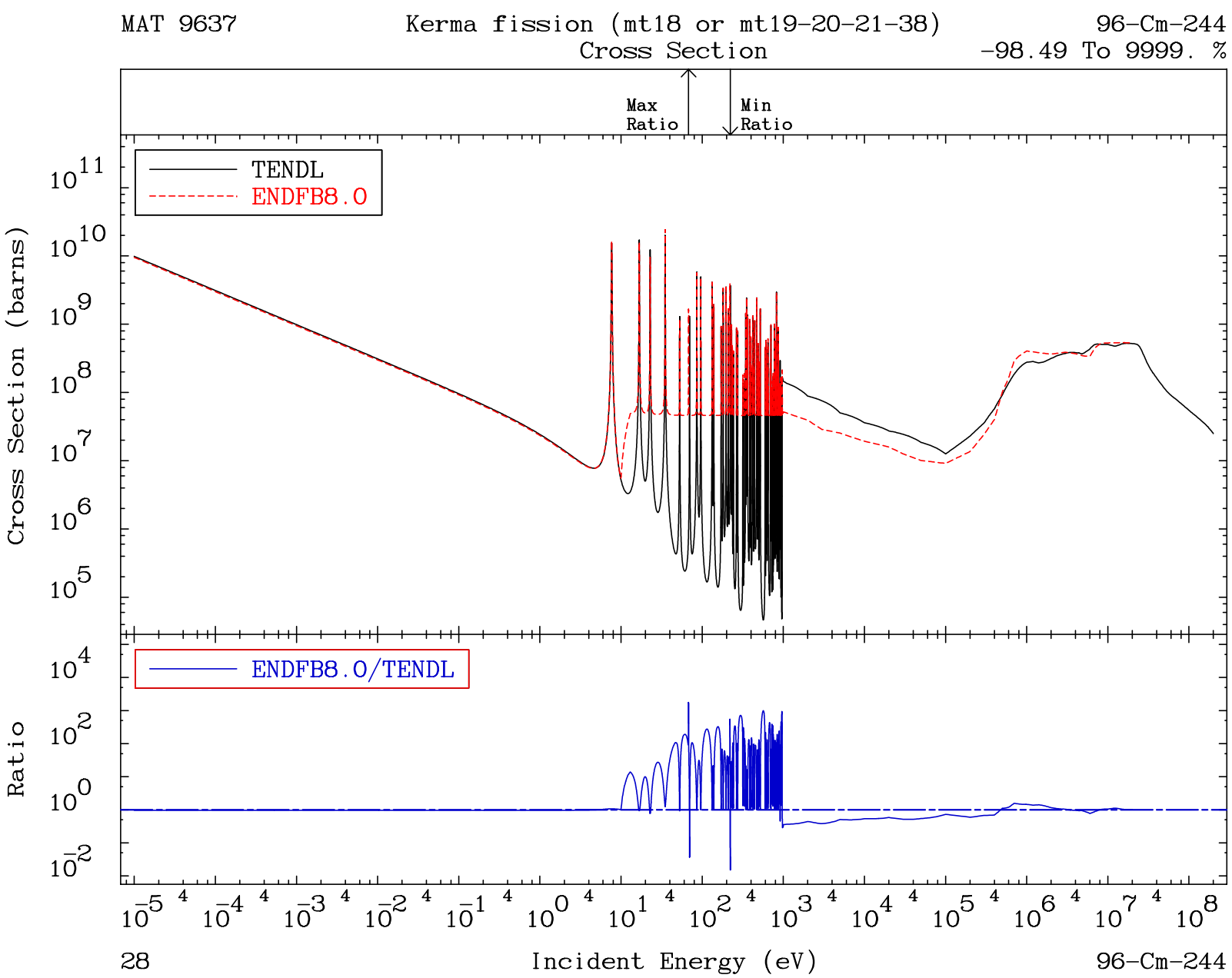

MAT 9637
(n,γ)
Cross Section
96-Cm-244
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
23
96-Cm-244

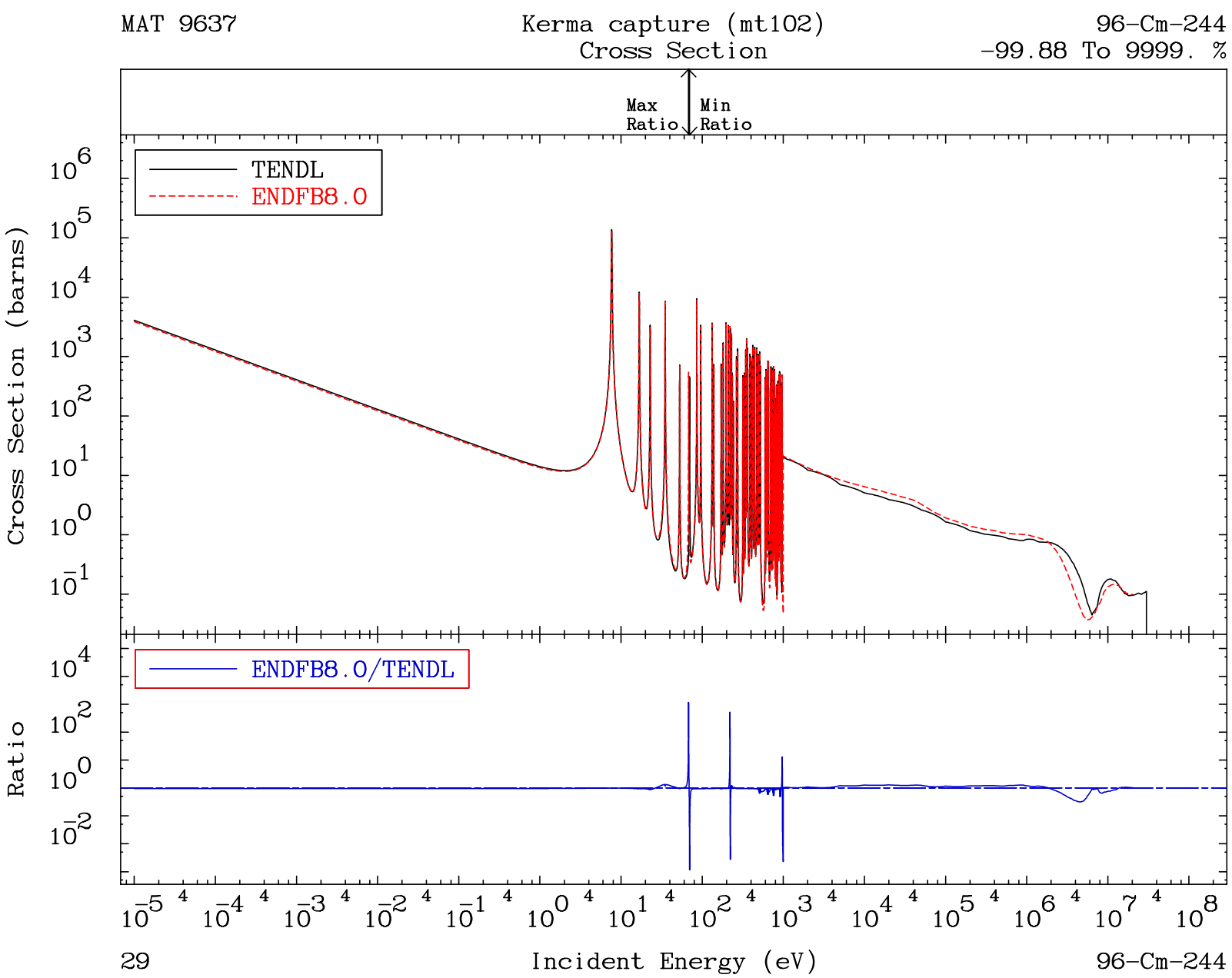

MAT 9637
Kerma total (eV-barns)
Cross Section
96-Cm-244
-98.49 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
24
96-Cm-244

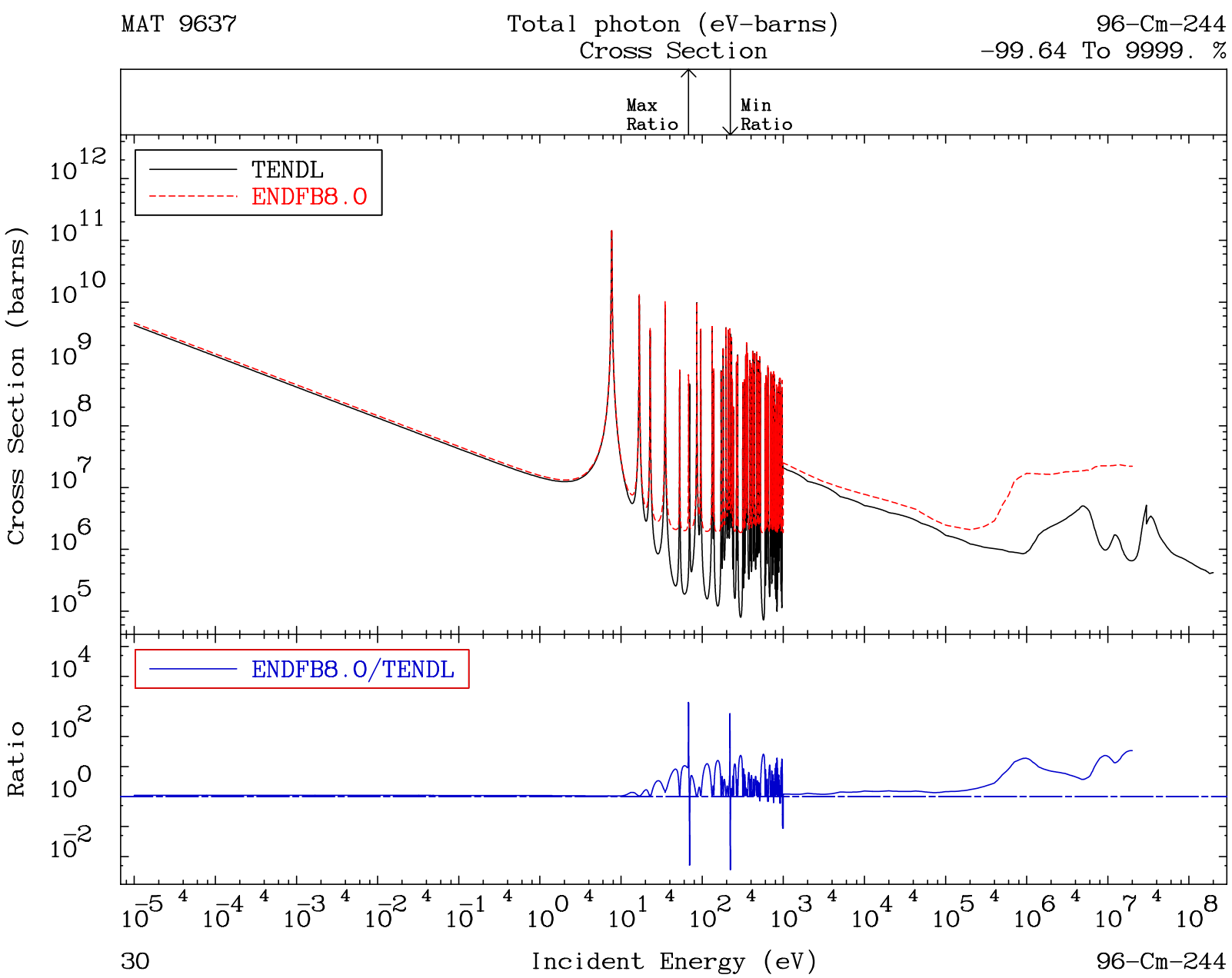

MAT 9637
Kerma elastic
Cross Section
96-Cm-244
-95.28 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
25
96-Cm-244

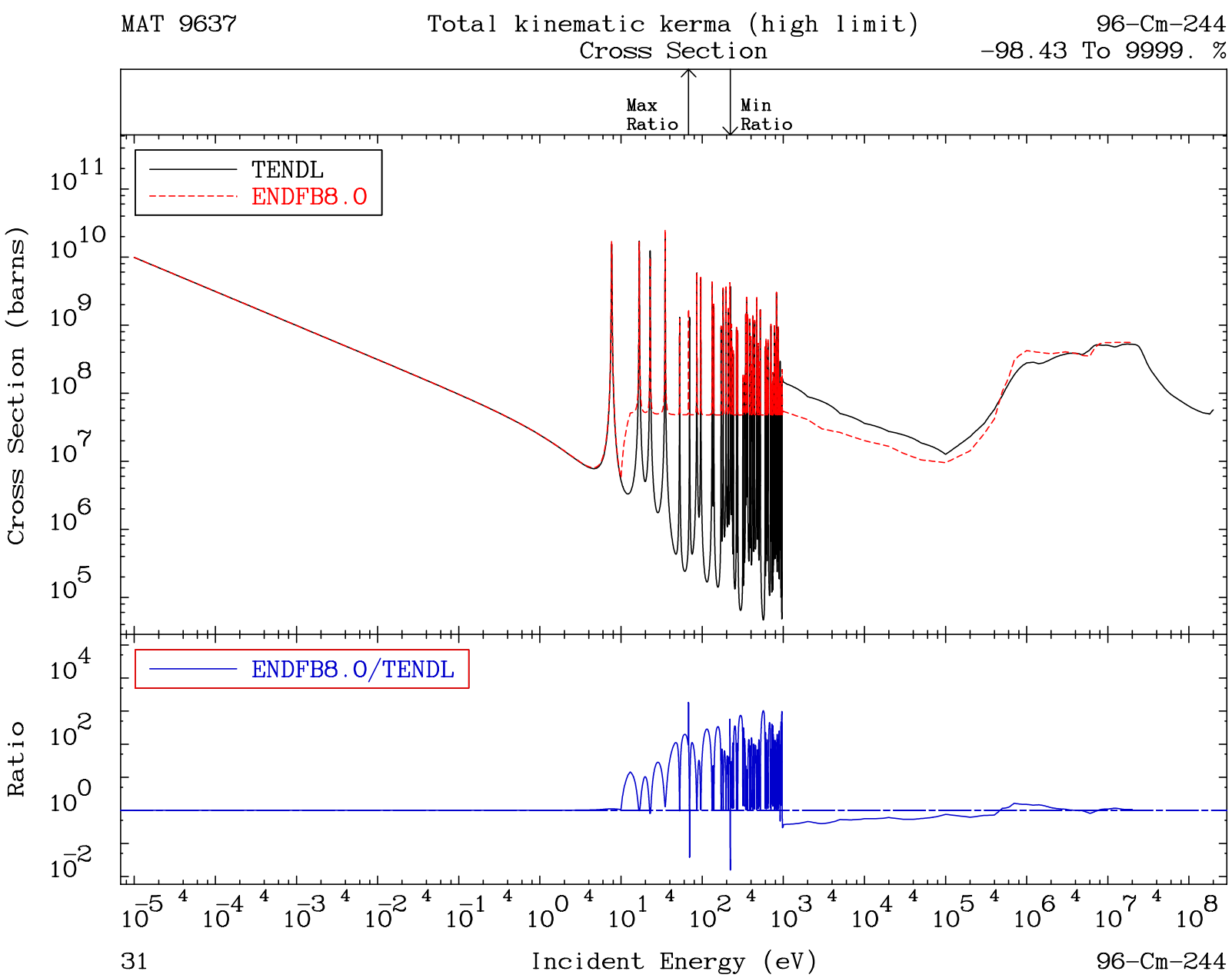

MAT 9637
Kerma non-elastic (all but mt2)
Cross Section
96-Cm-244
-98.49 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
26
96-Cm-244

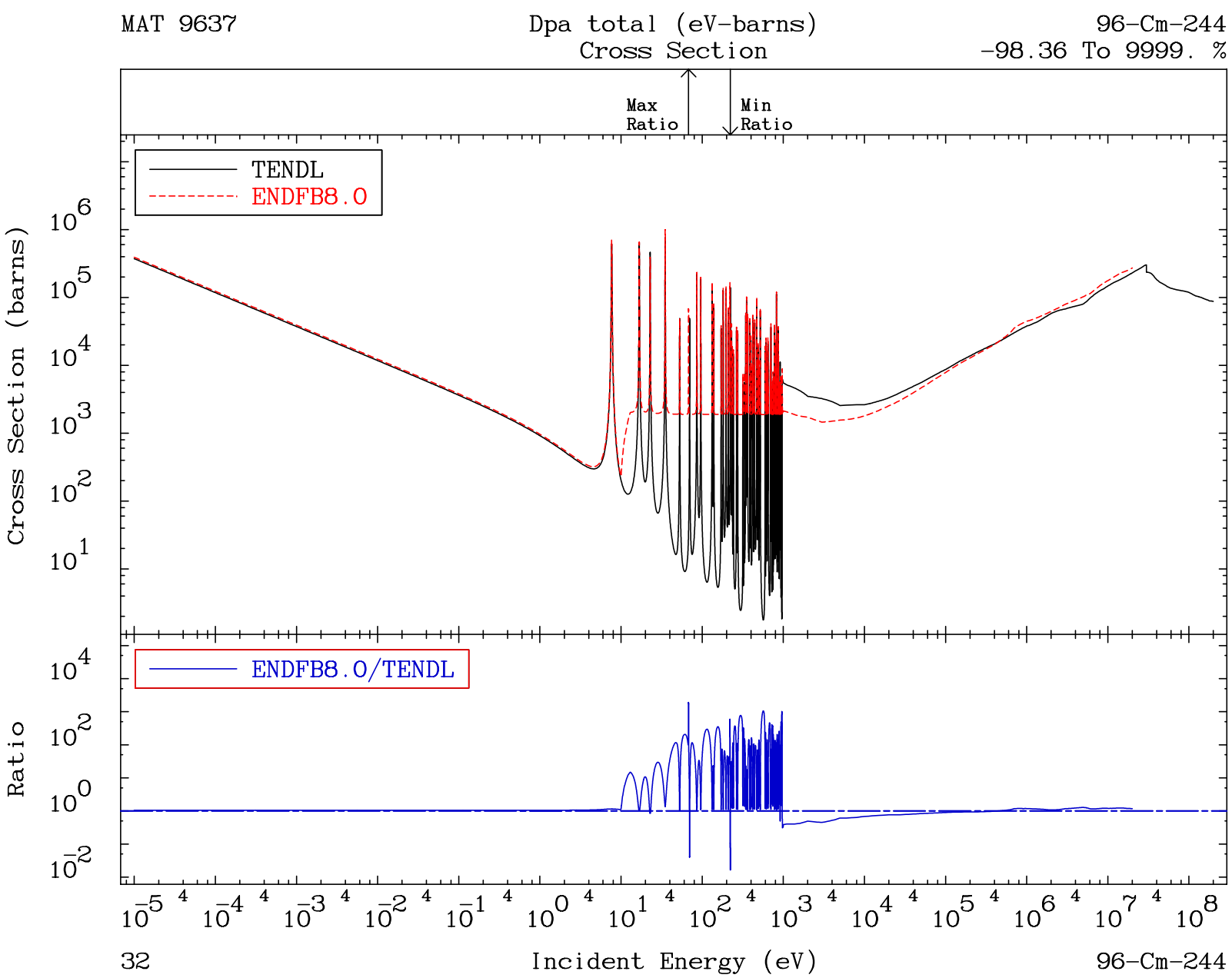

MAT 9637
Kerma inelastic (mt51-91)
Cross Section
96-Cm-244
-91.94 To 84.37 %
Max Ratio
Min Ratio
TENDL Threshold 43.143 keV
ENDFB8.0 Threshold 43.143 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
27
96-Cm-244

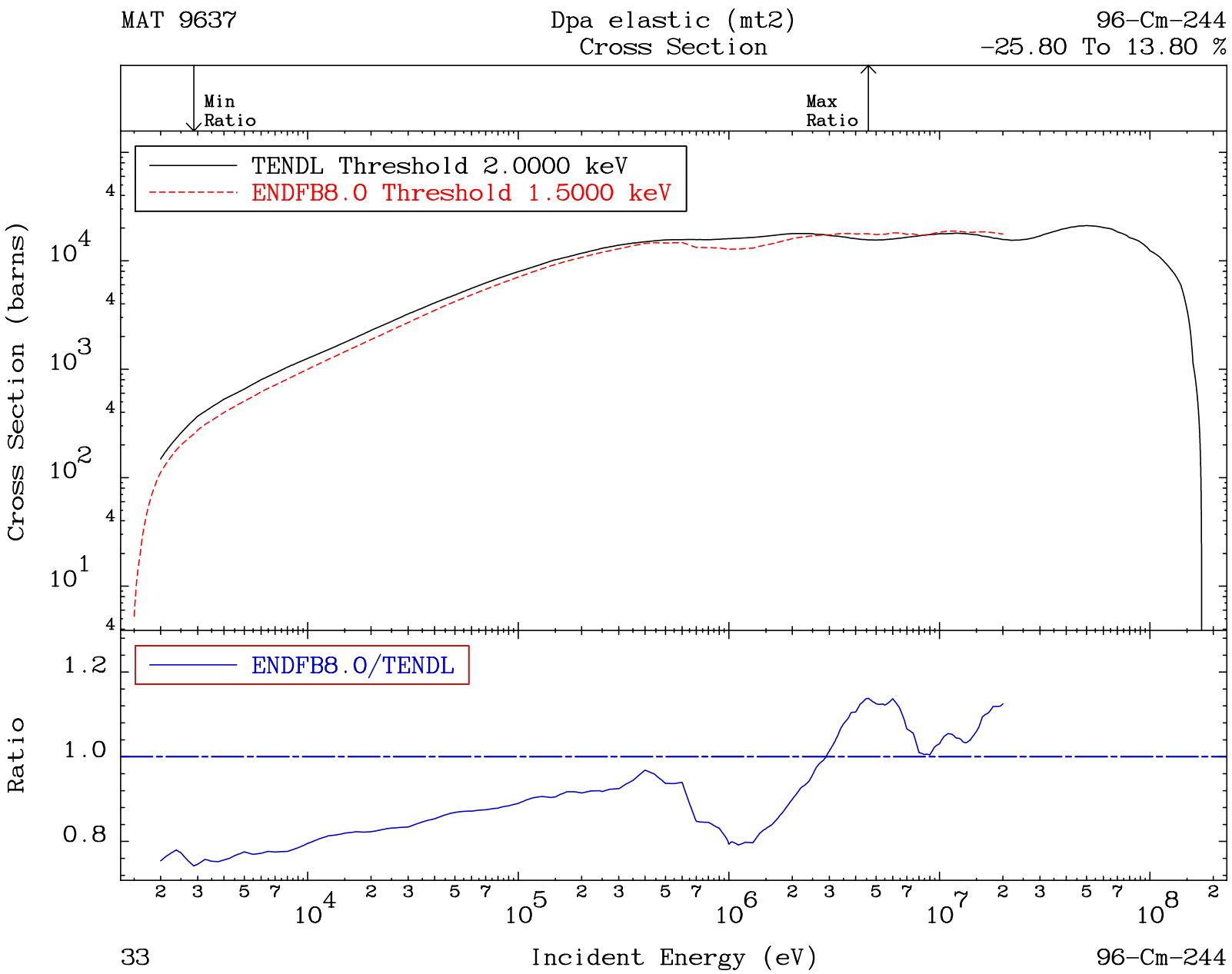

MAT 9637
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
96-Cm-244
-98.49 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
28
96-Cm-244

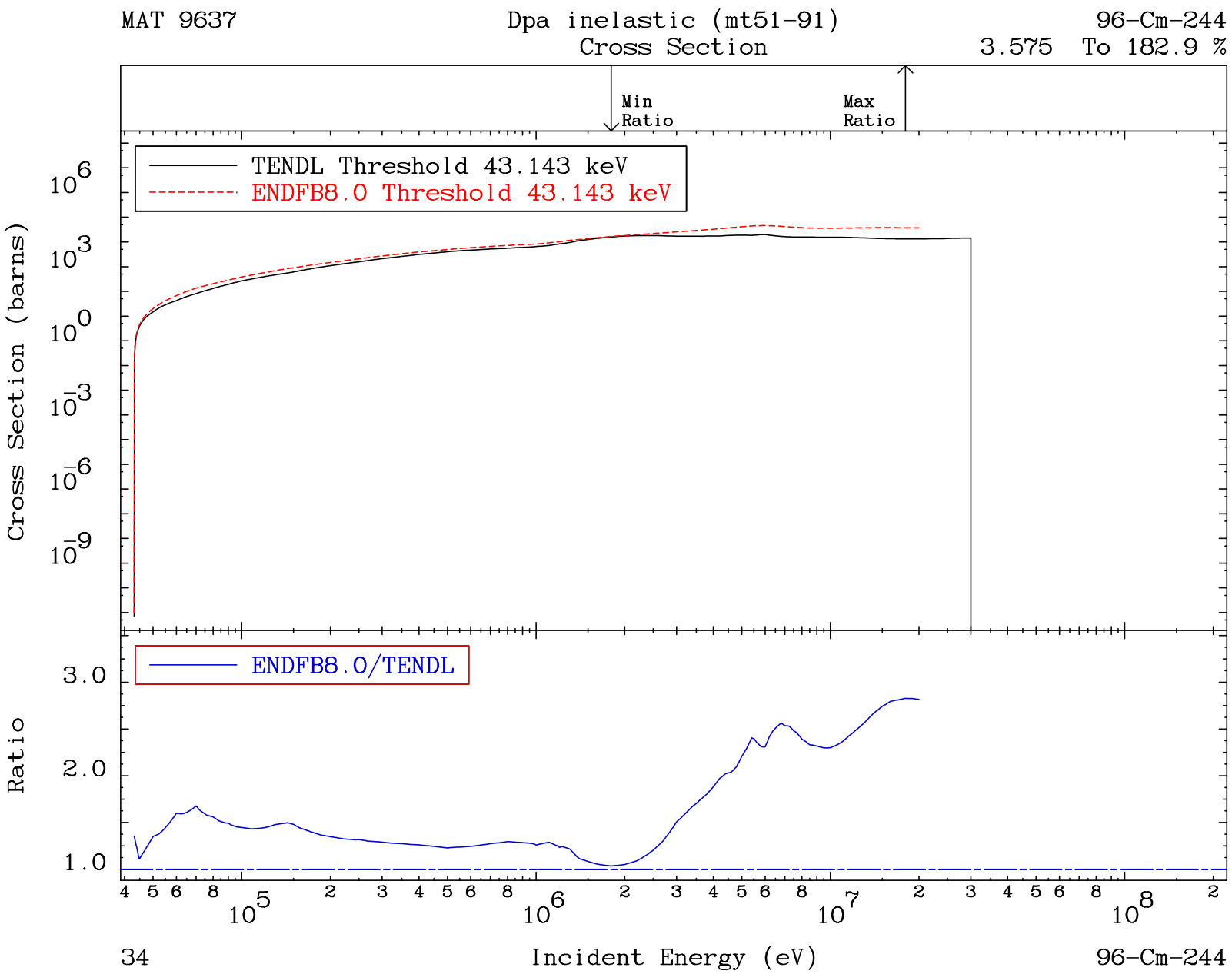

MAT 9637
Kerma capture (mt102)
Cross Section
96-Cm-244
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
29
96-Cm-244

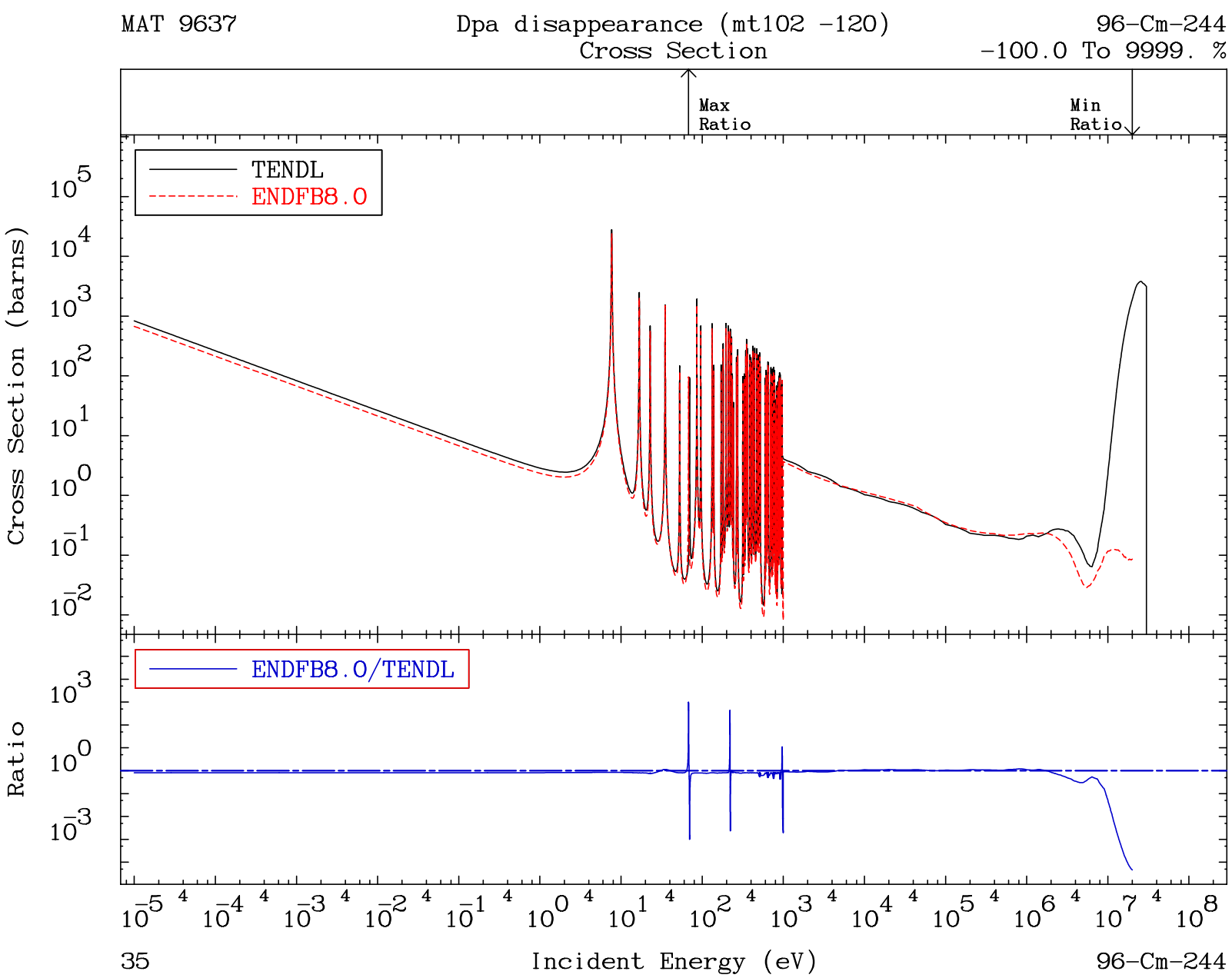

MAT 9637
Total photon (eV-barns)
Cross Section
96-Cm-244
-99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
30
96-Cm-244


MAT 9637
Total kinematic kerma (high limit)
Cross Section
96-Cm-244
-98.43 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
31
96-Cm-244


MAT 9637
Dpa total (eV-barns)
Cross Section
96-Cm-244
-98.36 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
32
96-Cm-244


MAT 9637
Dpa elastic (mt2)
Cross Section
96-Cm-244
-25.80 To 13.80 %
Min Ratio
Max Ratio
TENDL Threshold 2.0000 keV
ENDFB8.0 Threshold 1.5000 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
33
96-Cm-244


MAT 9637
Dpa inelastic (mt51-91)
Cross Section
96-Cm-244
3.575 To 182.9 %
Min Ratio
Max Ratio
TENDL Threshold 43.143 keV
ENDFB8.0 Threshold 43.143 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
34
96-Cm-244


MAT 9637
Dpa disappearance (mt102 -120)
Cross Section
96-Cm-244
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
35
96-Cm-244