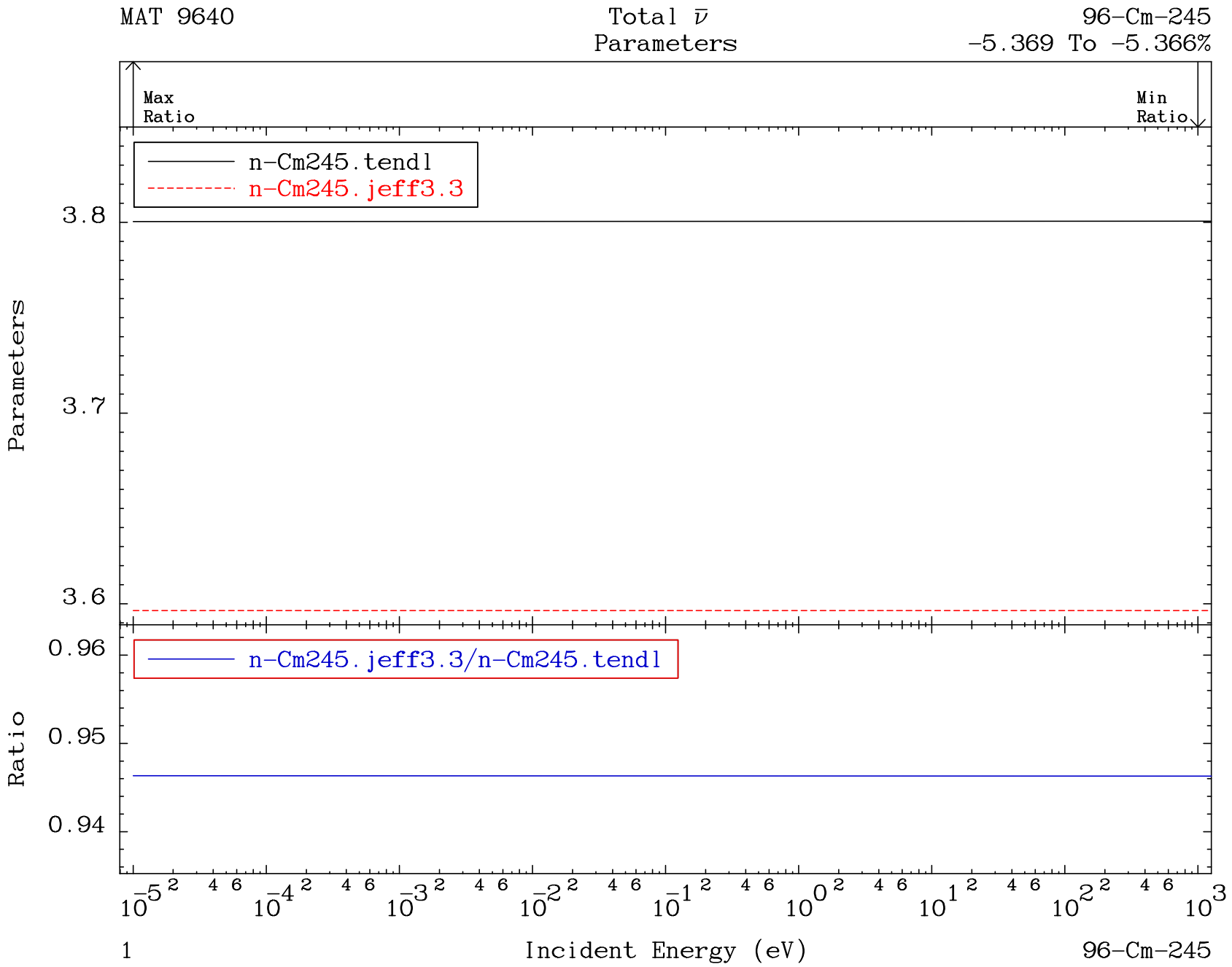
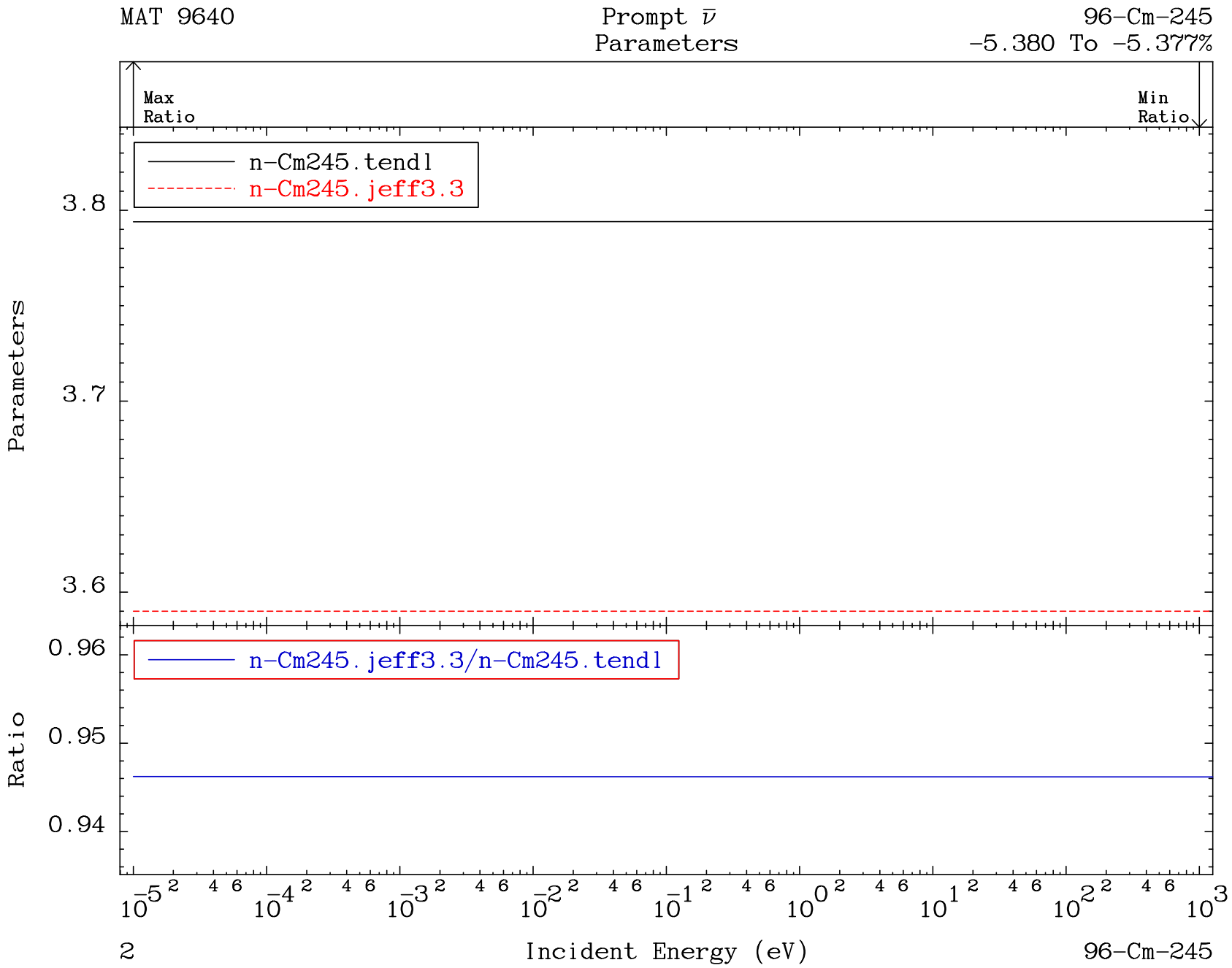
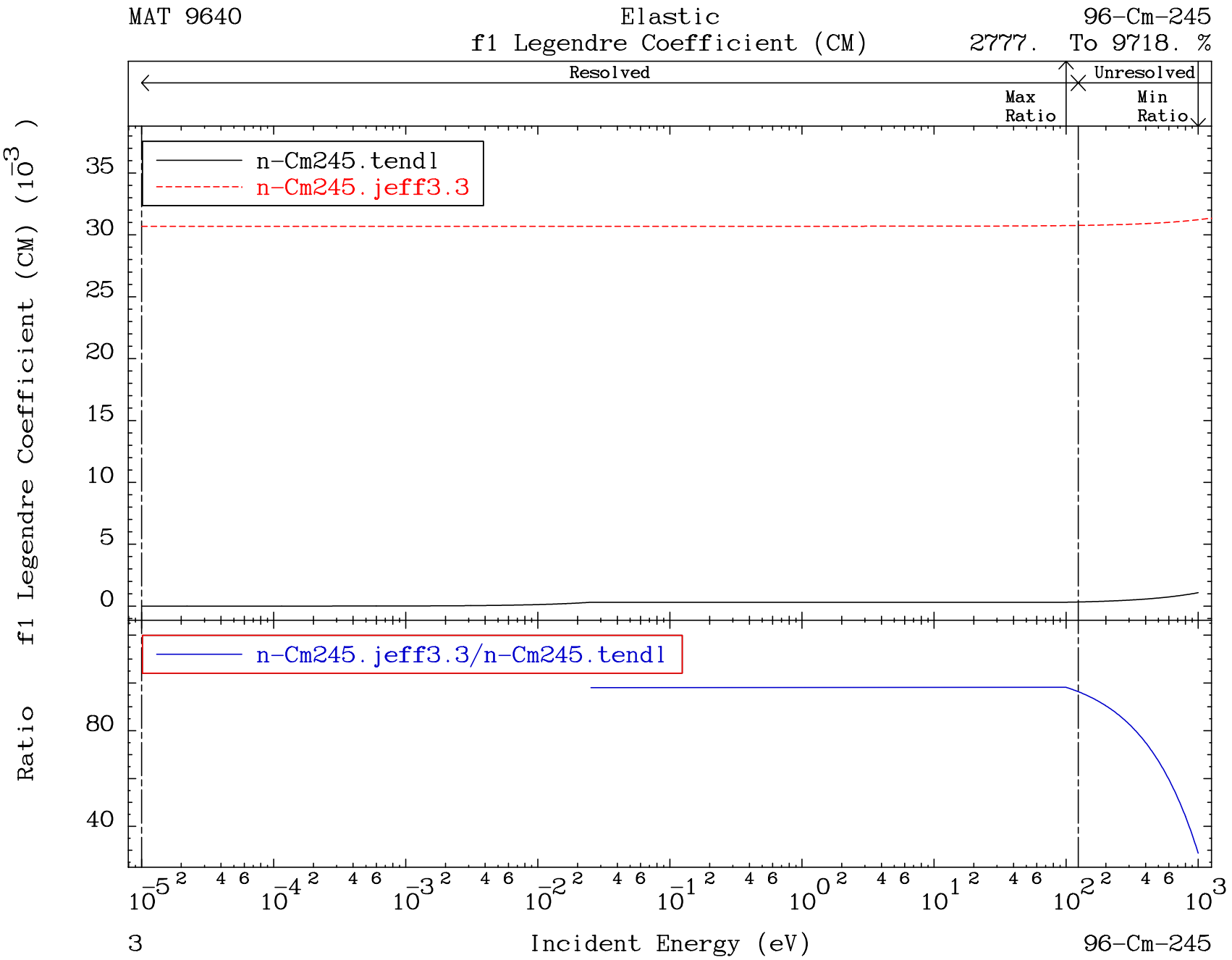
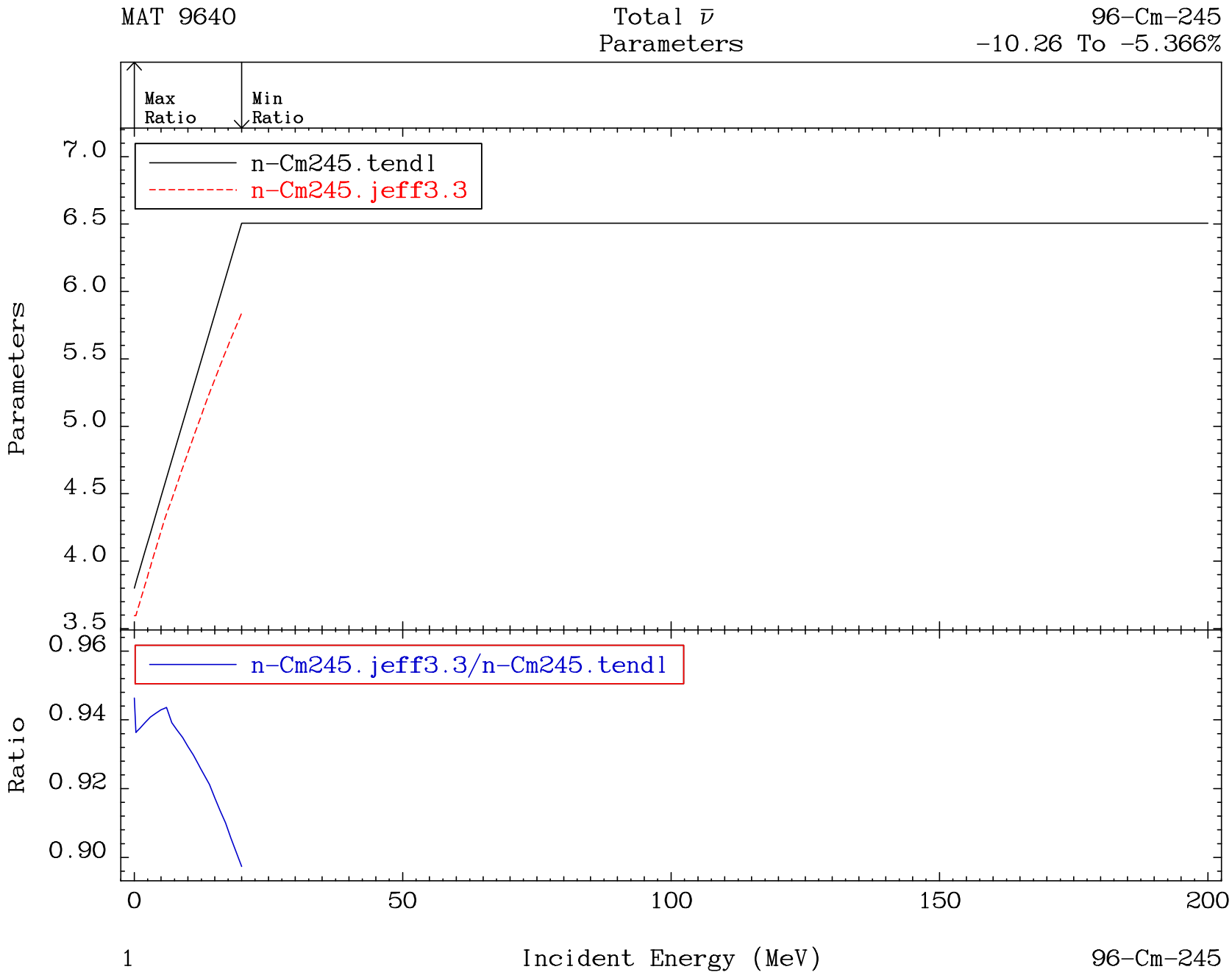
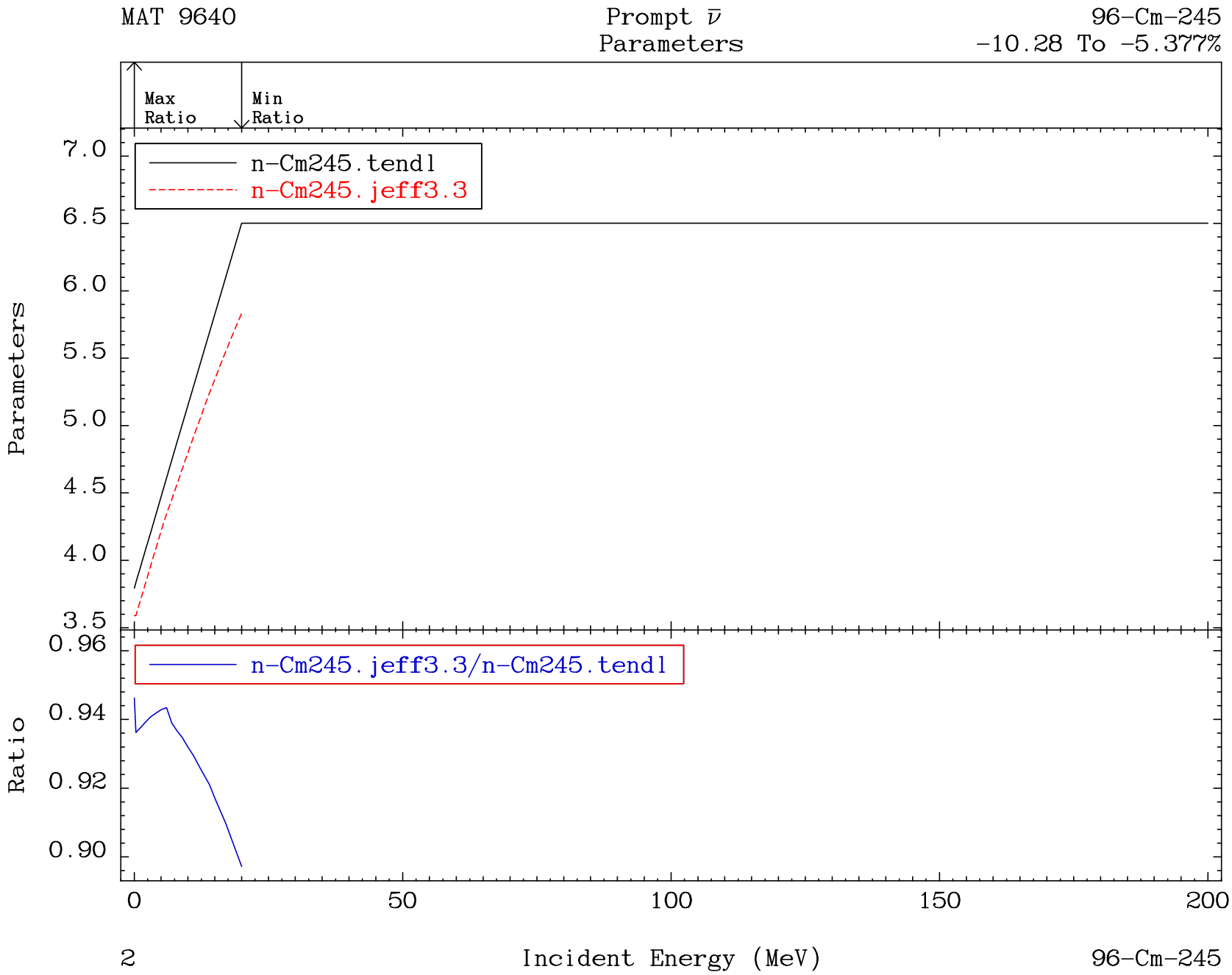
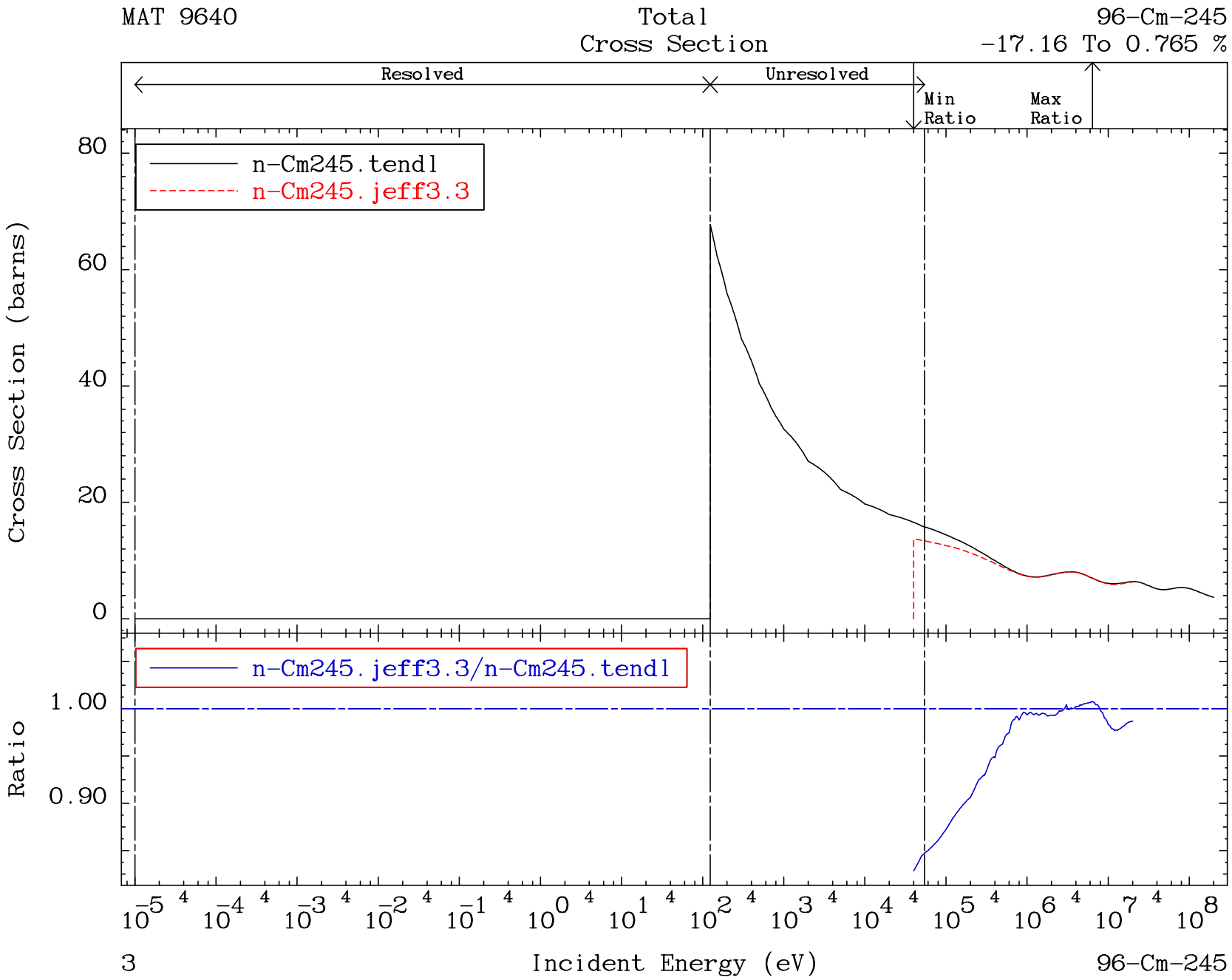

MAT 9640
Total $\bar{\nu}$
Parameters
96-Cm-245
-5.369 To -5.366%
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
n-Cm245.jeff3.3/n-Cm245.tendl
Parameters
Ratio
3.8
3.7
3.6
0.96
0.95
0.94
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
1
Incident Energy (eV)
96-Cm-245

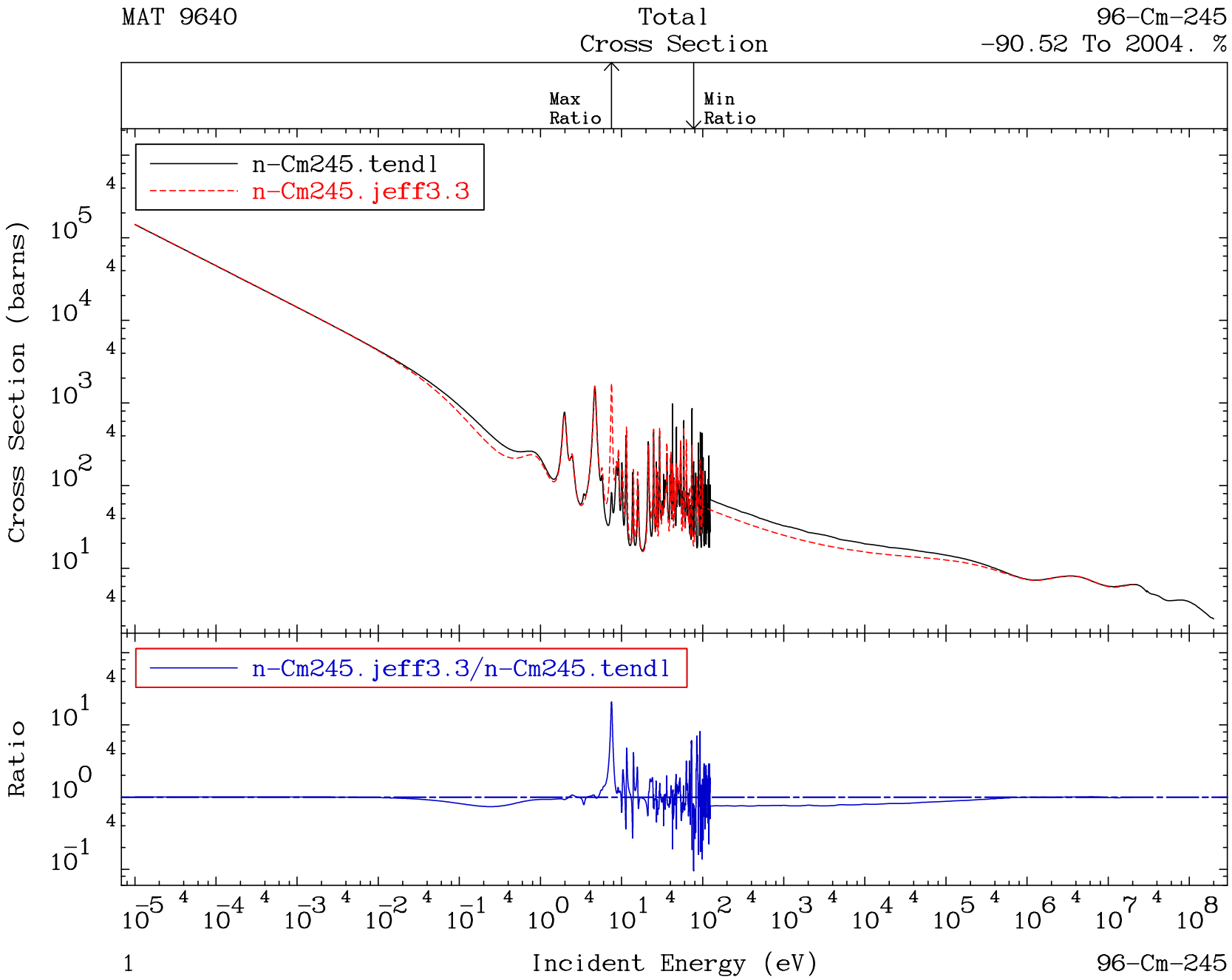

MAT 9640
Prompt $\bar{\nu}$
Parameters
96-Cm-245
-5.380 To -5.377%
Max
Ratio
Min
Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
3.8
3.7
3.6
Parameters
n-Cm245.jeff3.3/n-Cm245.tendl
0.96
0.95
0.94
Ratio
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
Incident Energy (eV)
2
96-Cm-245

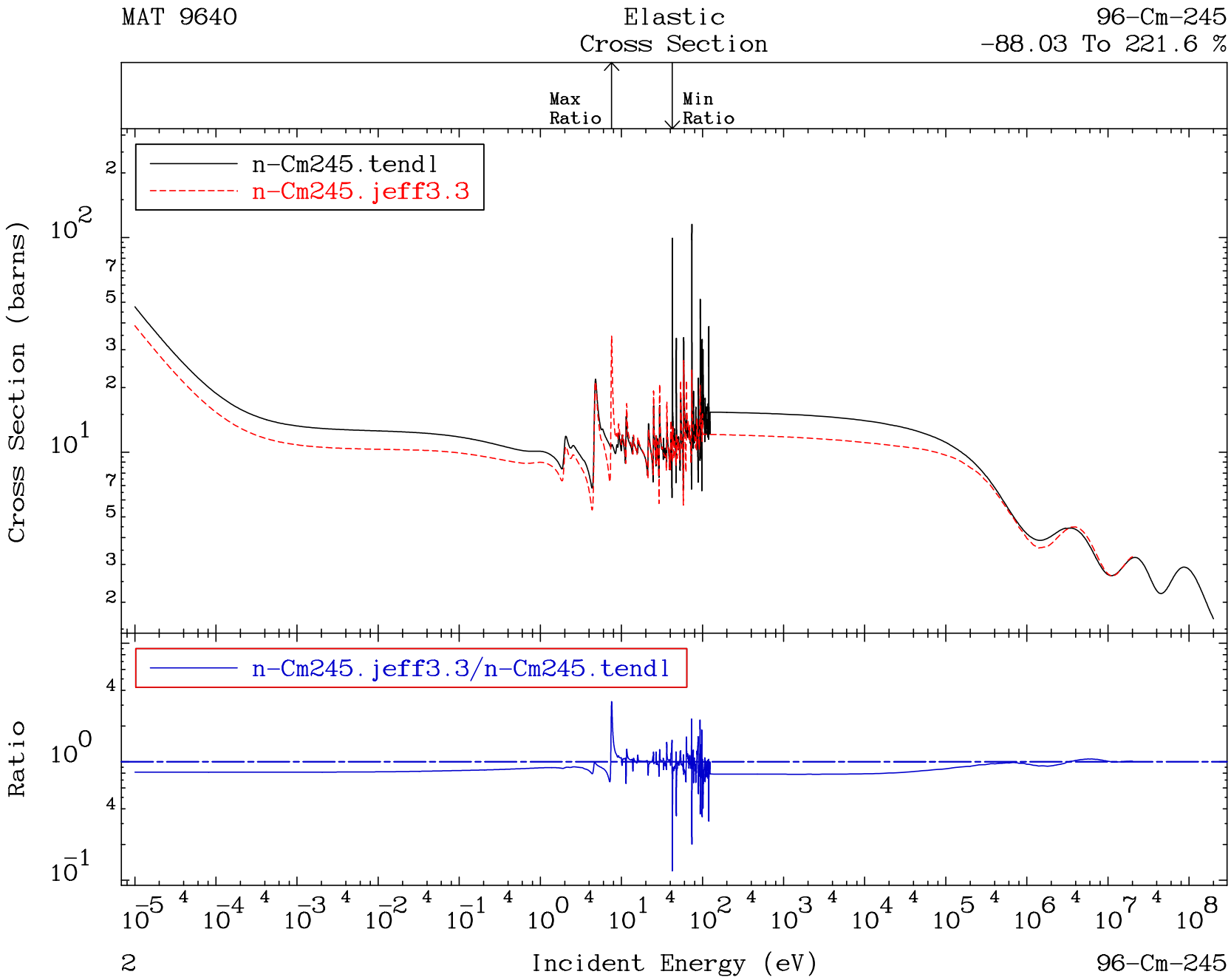

MAT 9640
Elastic
96-Cm-245
f1 Legendre Coefficient (CM)
2777. To 9718. %
Resolved
Unresolved
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
n-Cm245.jeff3.3/n-Cm245.tendl
f1 Legendre Coefficient (CM) (10^-3)
Ratio
Incident Energy (eV)
3
96-Cm-245

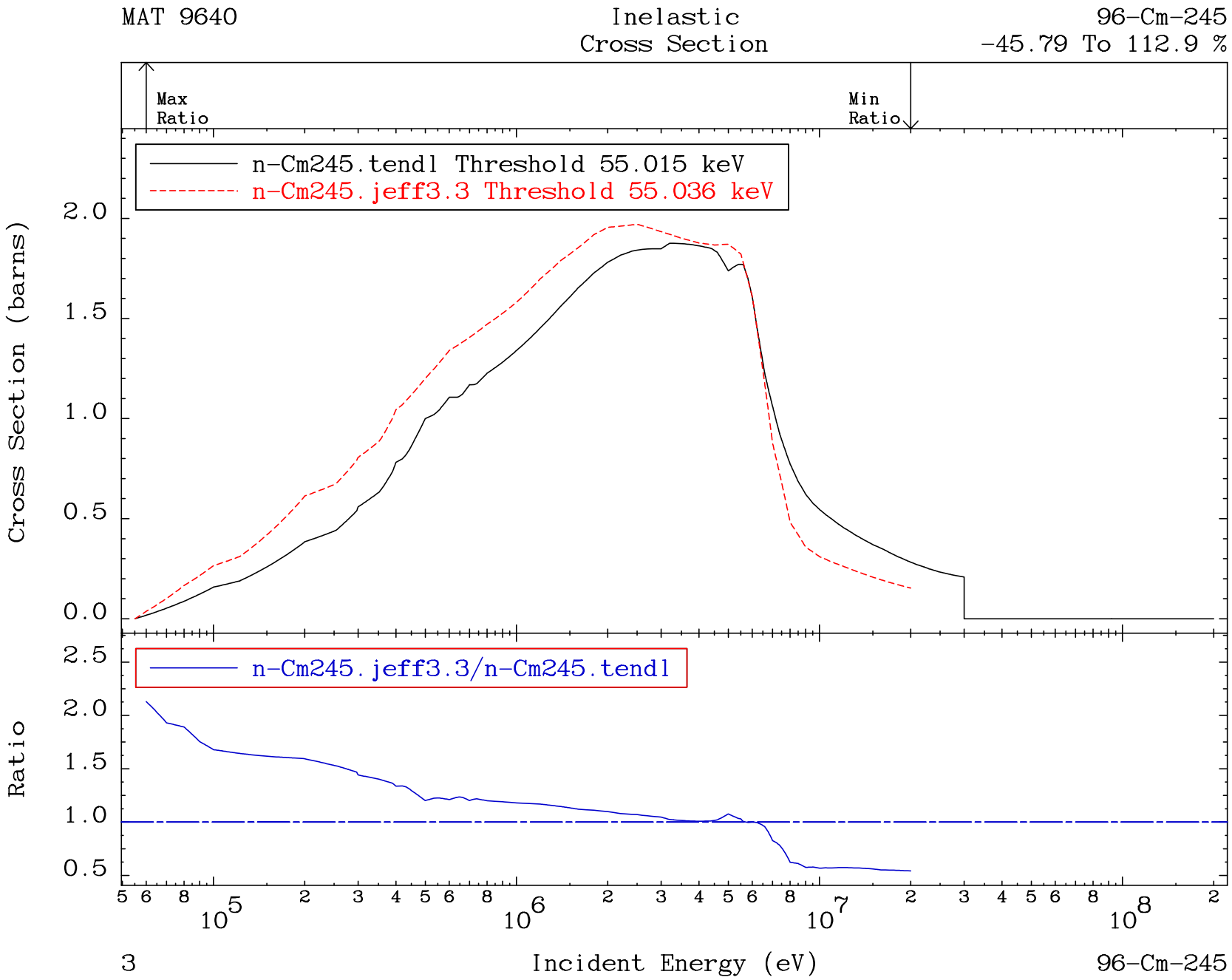

MAT 9640
Total $\bar{\nu}$
Parameters
96-Cm-245
-10.26 To -5.366%
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
n-Cm245.jeff3.3/n-Cm245.tendl
Parameters
Ratio
Incident Energy (MeV)
1
96-Cm-245

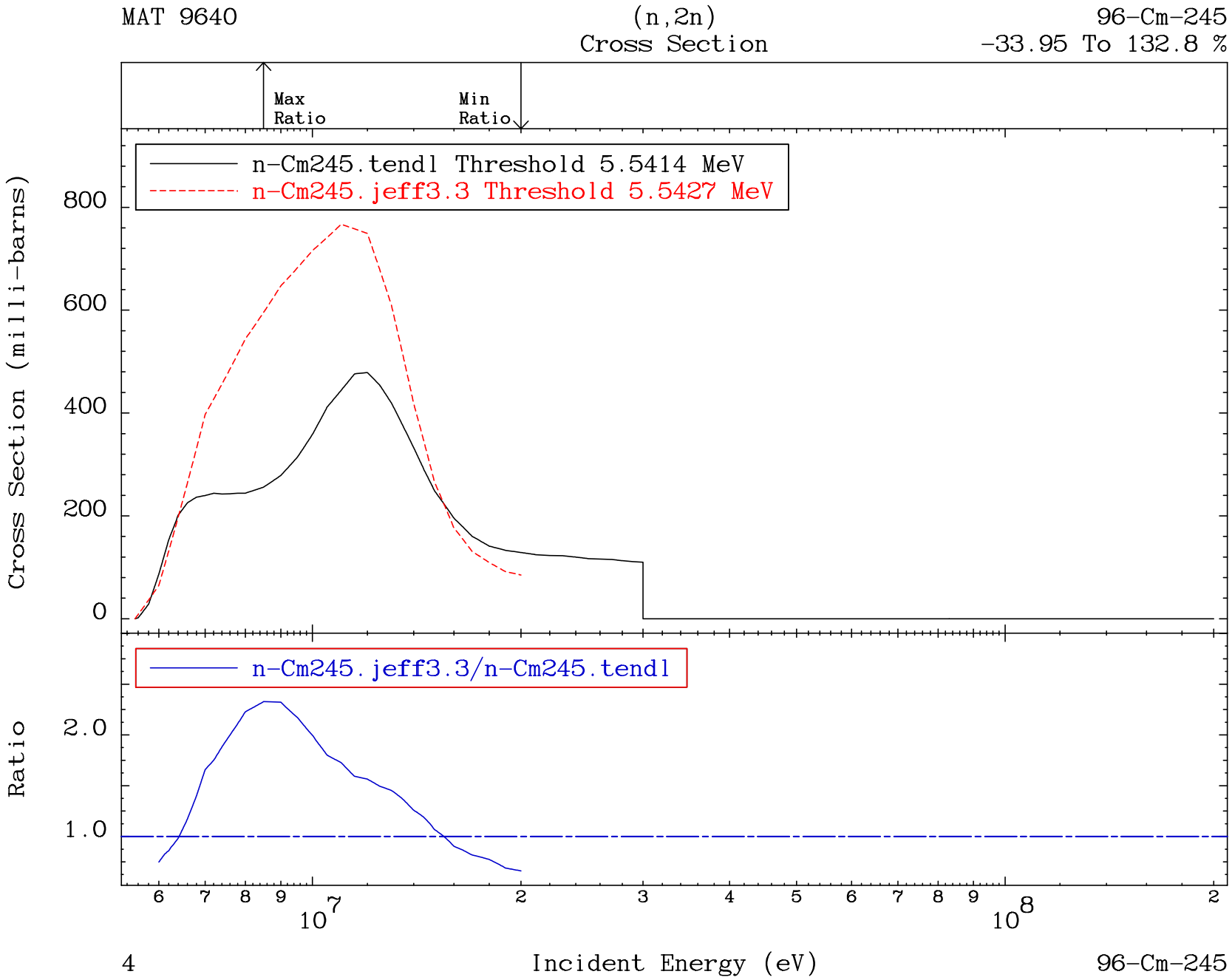

MAT 9640
Prompt $\bar{\nu}$
Parameters
96-Cm-245
-10.28 To -5.377%
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
n-Cm245.jeff3.3/n-Cm245.tendl
Parameters
Ratio
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
0.96
0.94
0.92
0.90
0
50
100
150
200
2
Incident Energy (MeV)
96-Cm-245

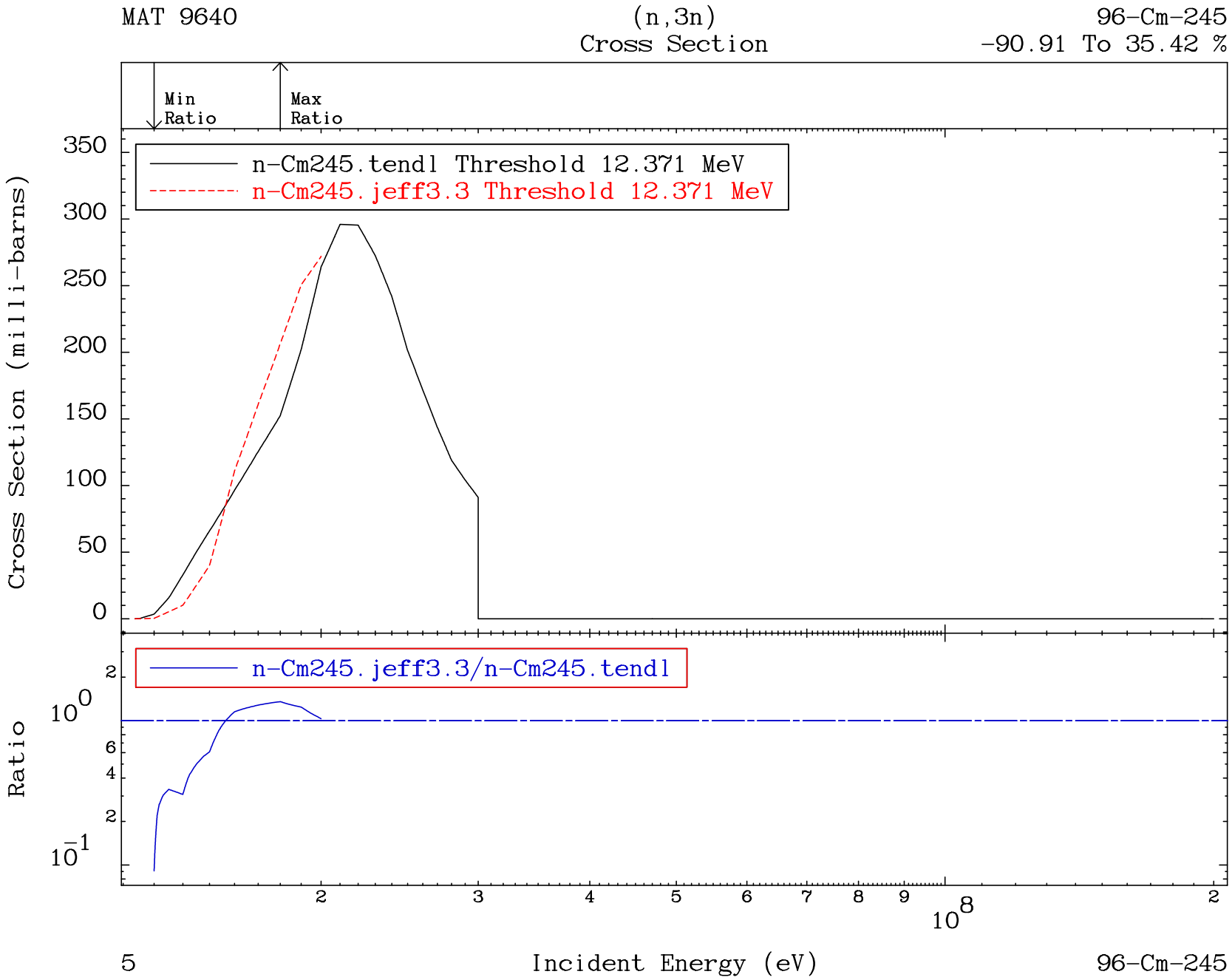

MAT 9640
Total
Cross Section
96-Cm-245
-17.16 To 0.765 %
Resolved
Unresolved
Min Ratio
Max Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
80
60
40
20
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
1.00
0.90
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
3
96-Cm-245

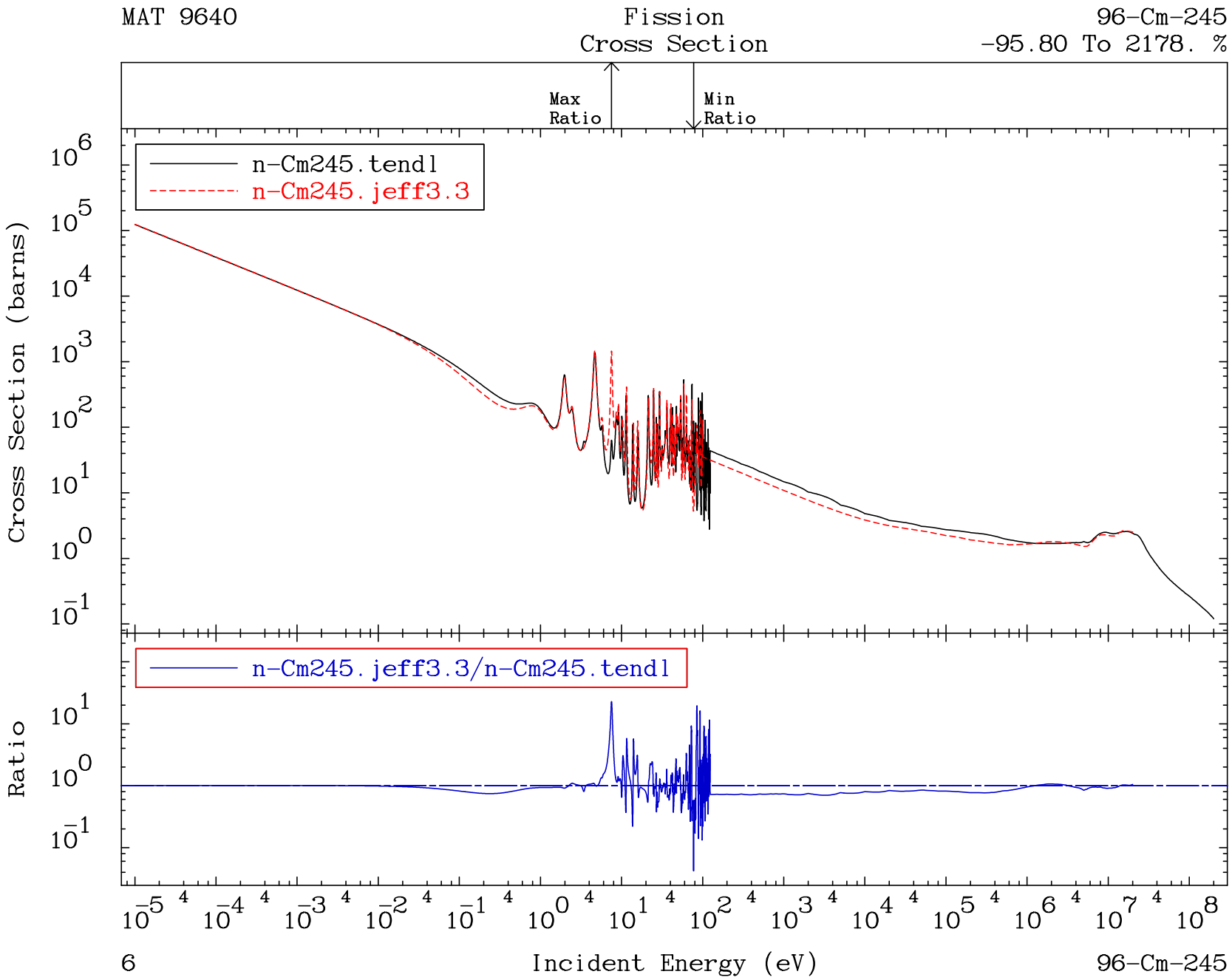

MAT 9640
Total
Cross Section
96-Cm-245
-90.52 To 2004. %
Max
Ratio
Min
Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
1
96-Cm-245

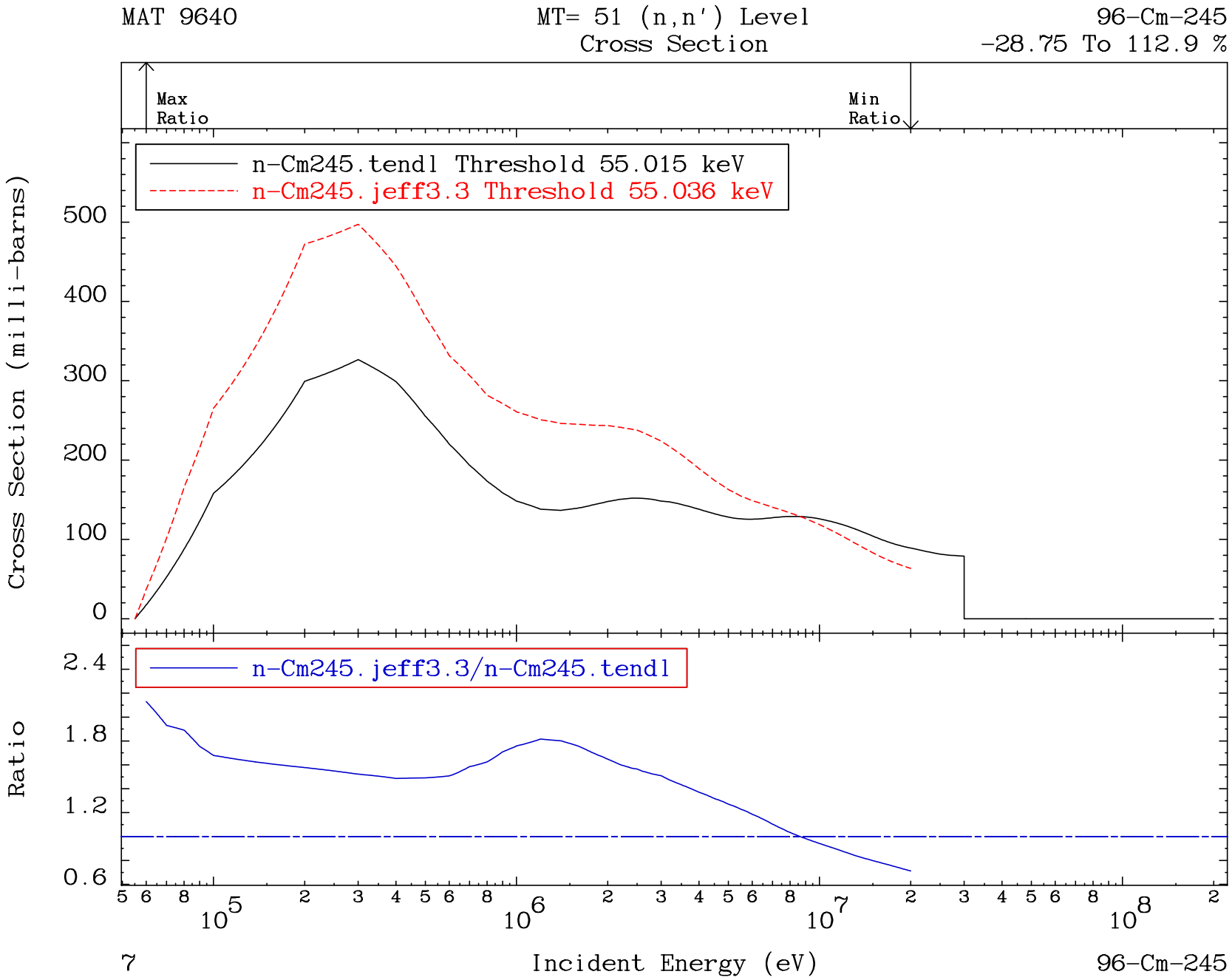

MAT 9640
Elastic
Cross Section
96-Cm-245
-88.03 To 221.6 %
Max
Ratio
Min
Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
2
96-Cm-245

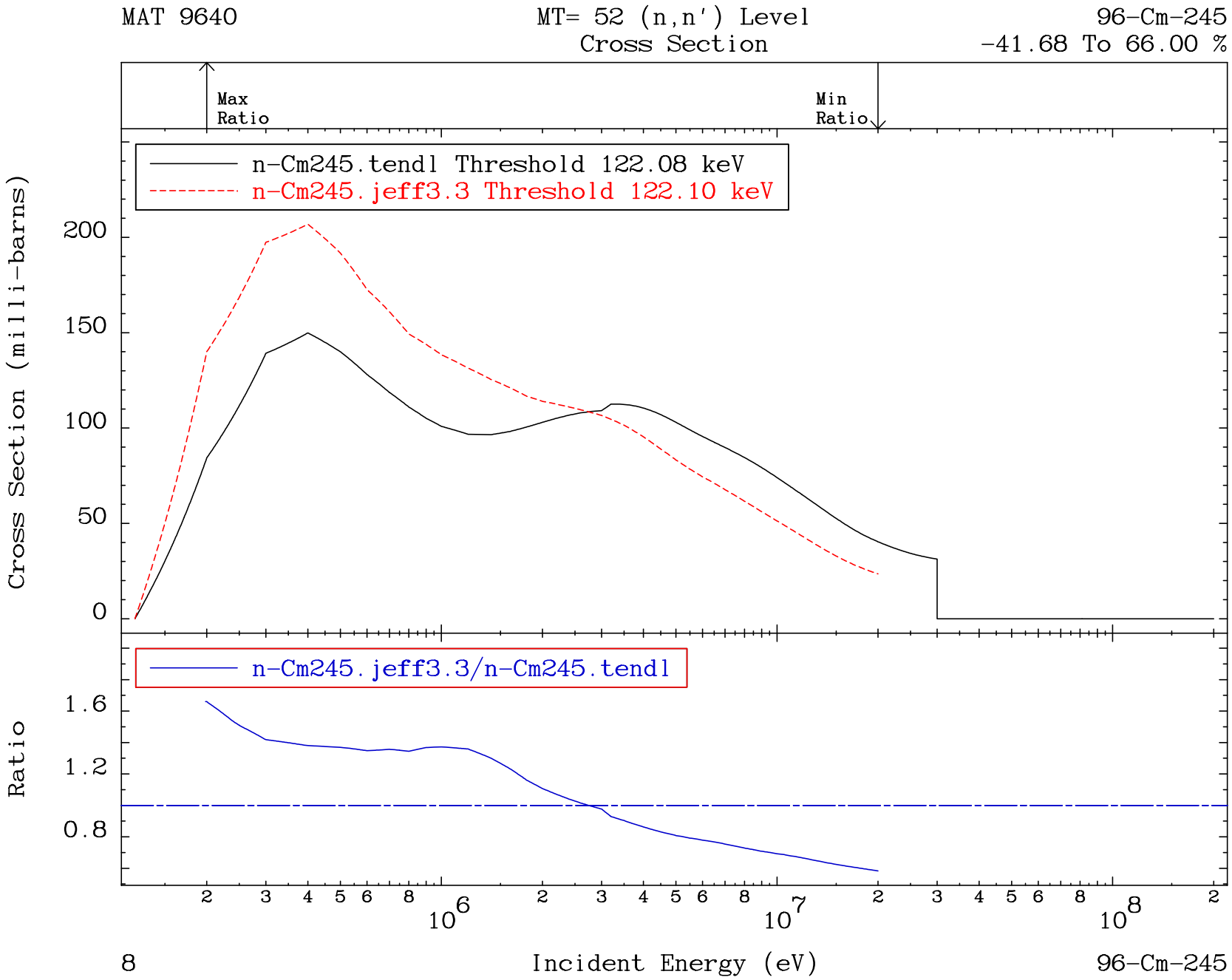

MAT 9640
Inelastic
Cross Section
96-Cm-245
-45.79 To 112.9 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 55.015 keV
n-Cm245.jeff3.3 Threshold 55.036 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
2.5
2.0
1.5
1.0
0.5
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-245

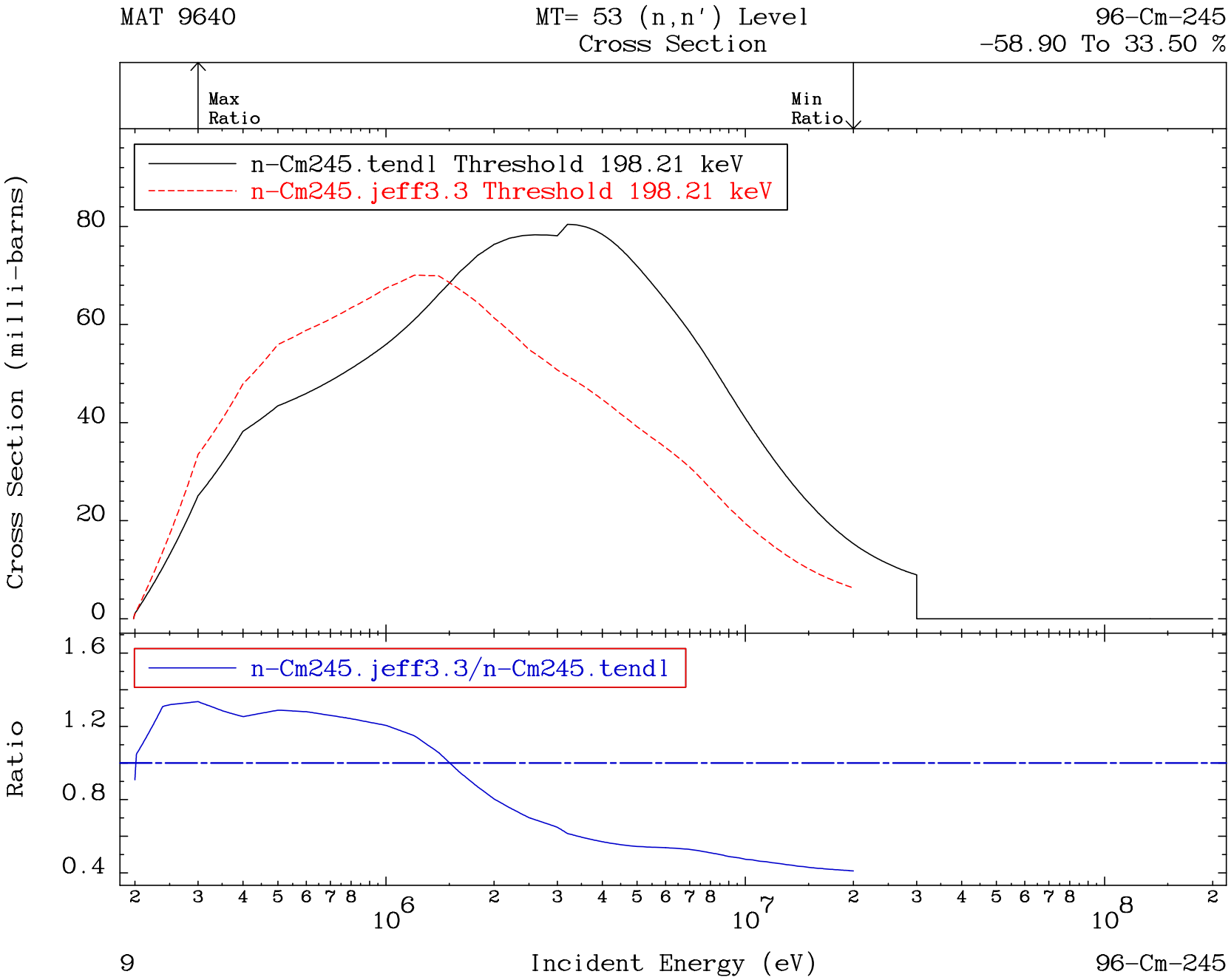

MAT 9640
(n,2n)
Cross Section
96-Cm-245
-33.95 To 132.8 %
Max Ratio
Min Ratio
n-Cm245.tendl Threshold 5.5414 MeV
n-Cm245.jeff3.3 Threshold 5.5427 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
2.0
1.0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
96-Cm-245

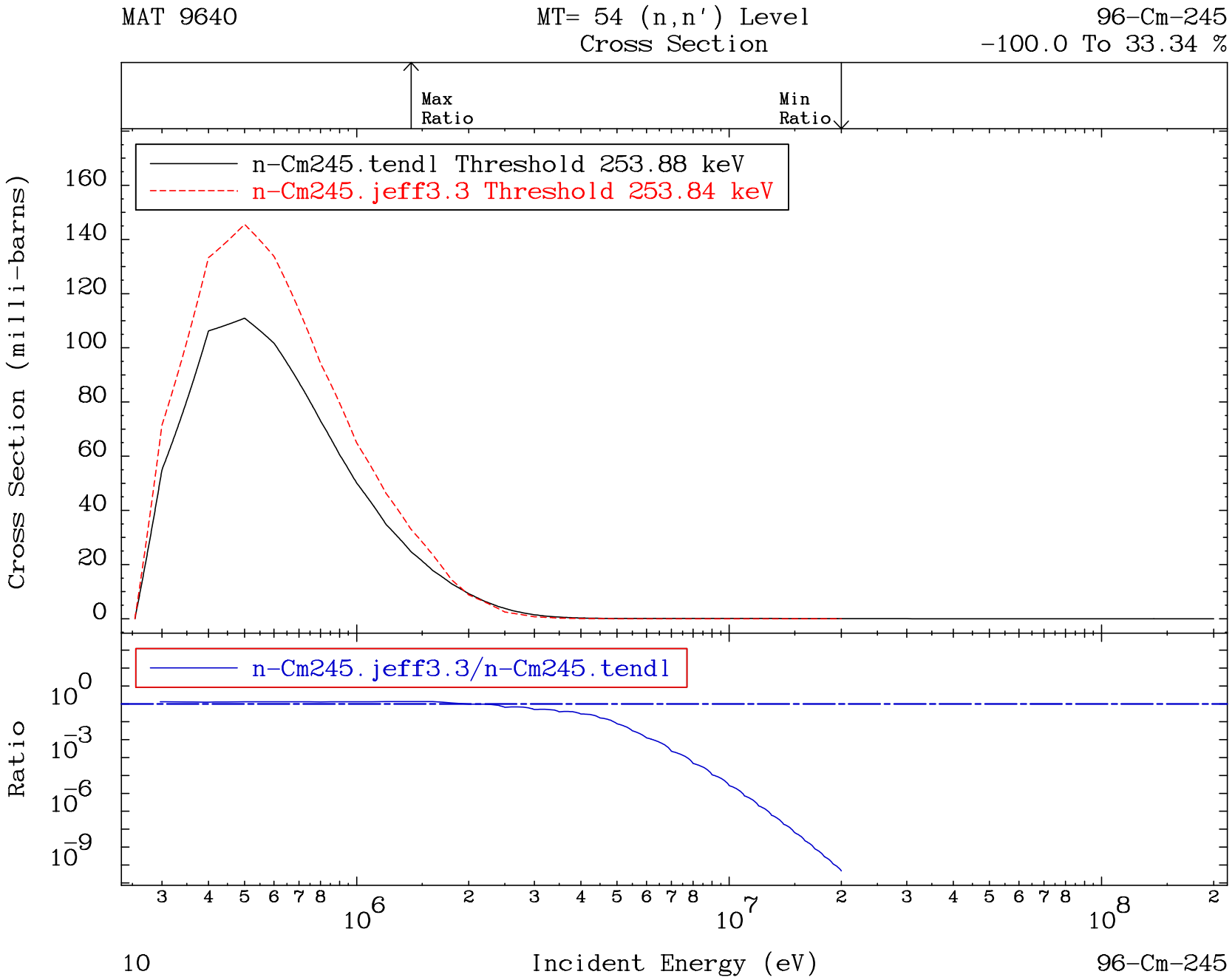

MAT 9640
(n,3n)
Cross Section
96-Cm-245
-90.91 To 35.42 %
Min Ratio
Max Ratio
n-Cm245.tendl Threshold 12.371 MeV
n-Cm245.jeff3.3 Threshold 12.371 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
2
10^0
6
4
2
10^-1
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
96-Cm-245

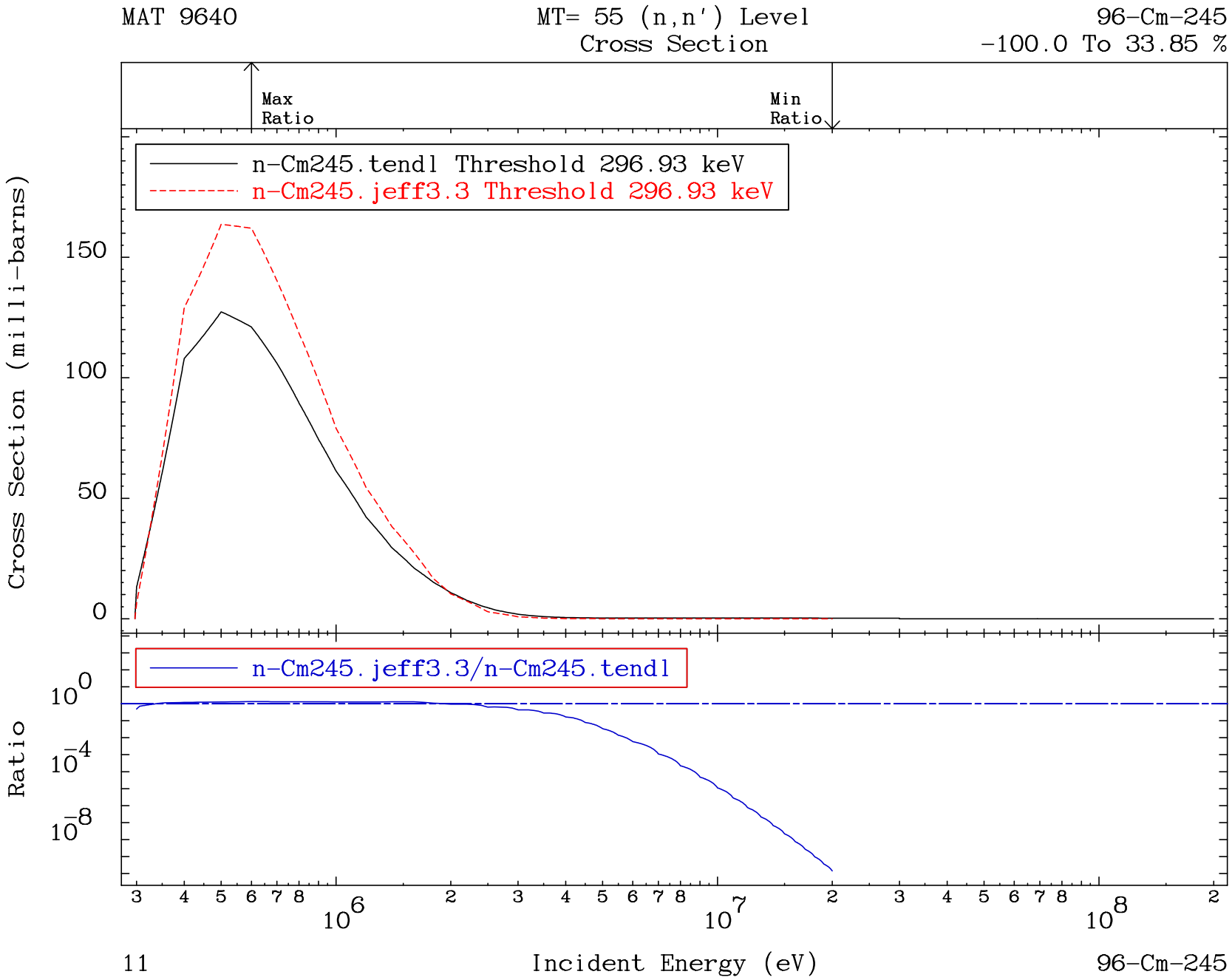

MAT 9640
Fission
Cross Section
96-Cm-245
-95.80 To 2178. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
6
96-Cm-245

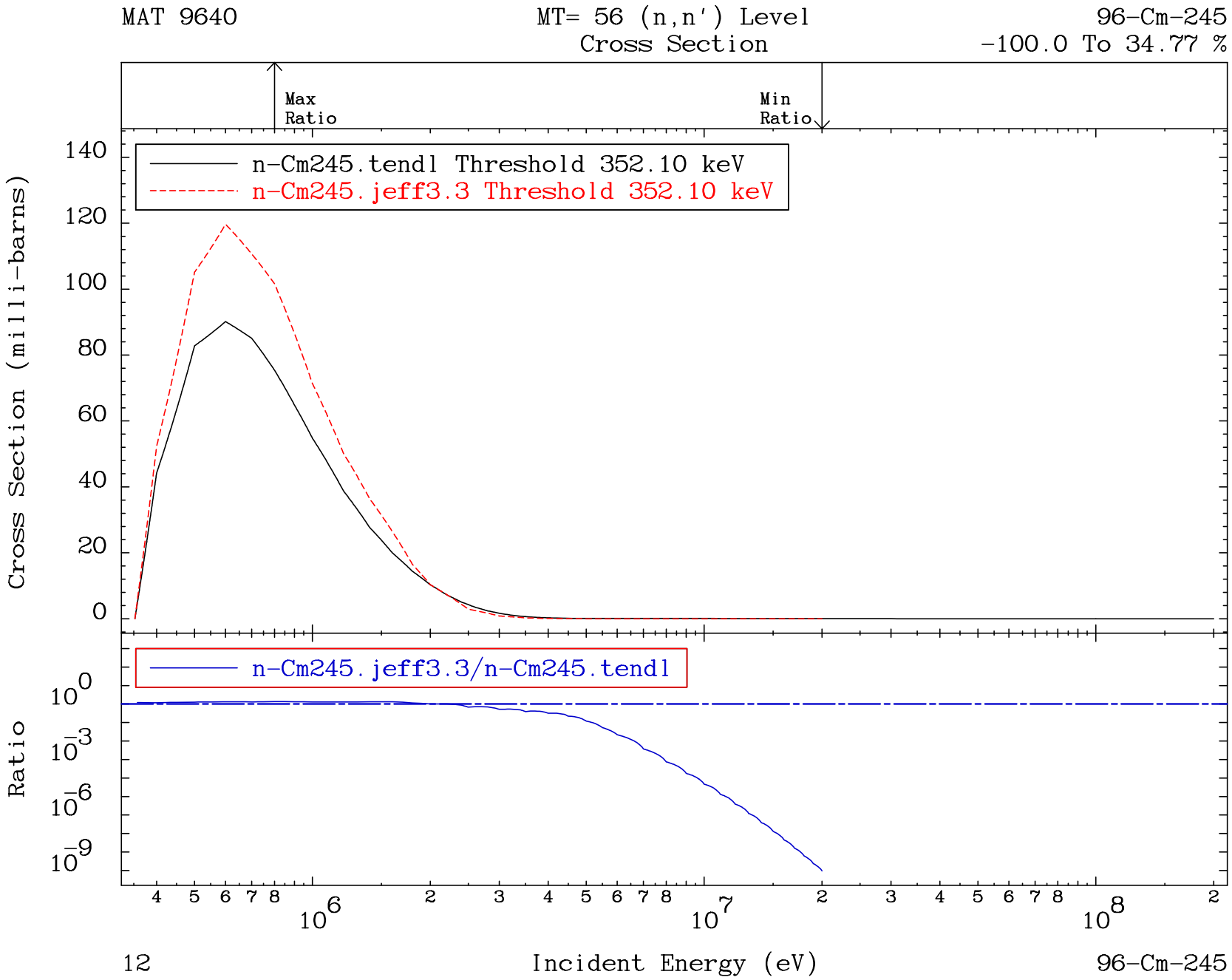

MAT 9640
MT= 51 (n,n') Level
Cross Section
96-Cm-245
-28.75 To 112.9 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 55.015 keV
n-Cm245.jeff3.3 Threshold 55.036 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
2.4
1.8
1.2
0.6
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
7
Incident Energy (eV)
96-Cm-245

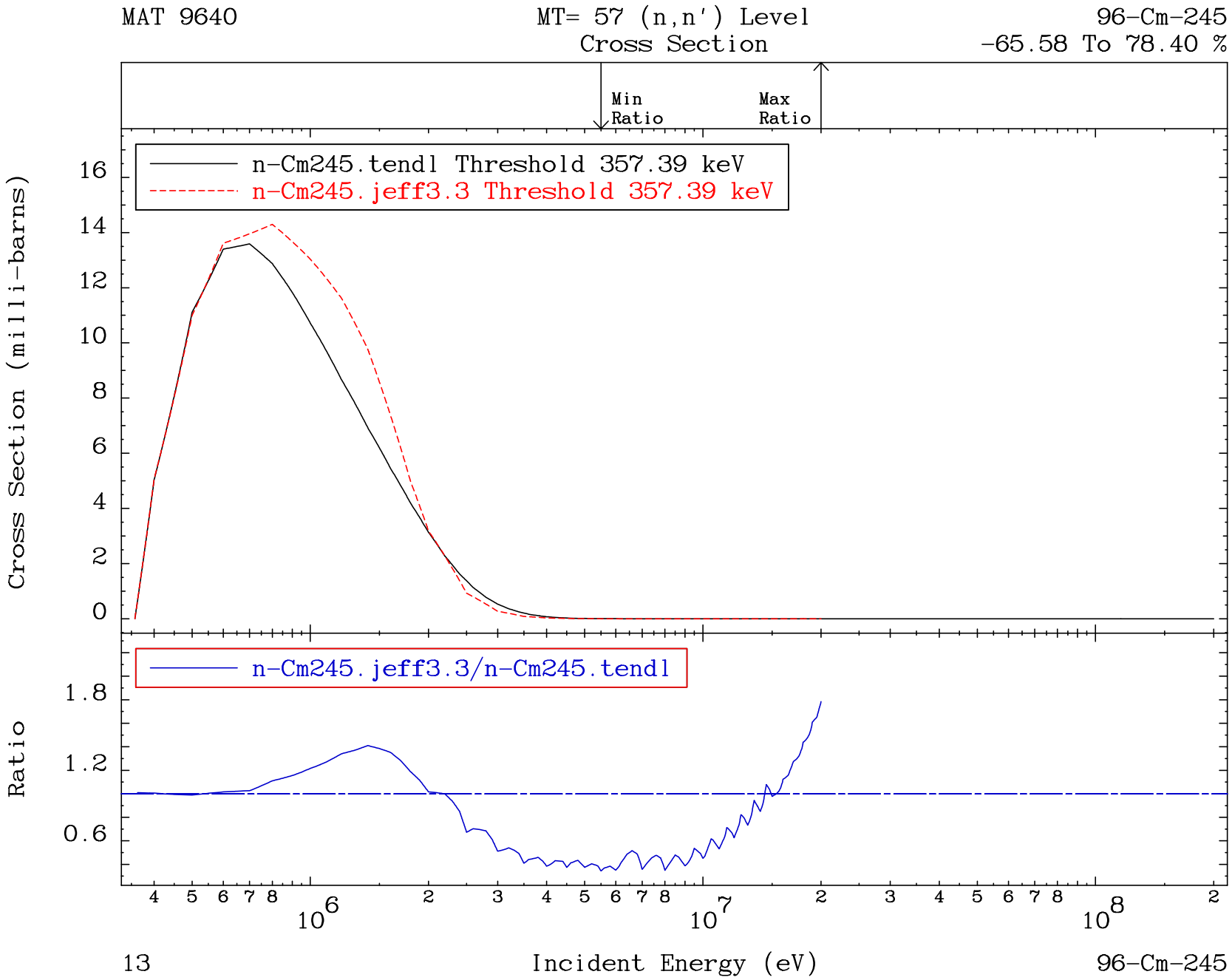

MAT 9640
MT= 52 (n,n') Level
Cross Section
96-Cm-245
-41.68 To 66.00 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 122.08 keV
n-Cm245.jeff3.3 Threshold 122.10 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
1.6
1.2
0.8
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
8
Incident Energy (eV)
96-Cm-245

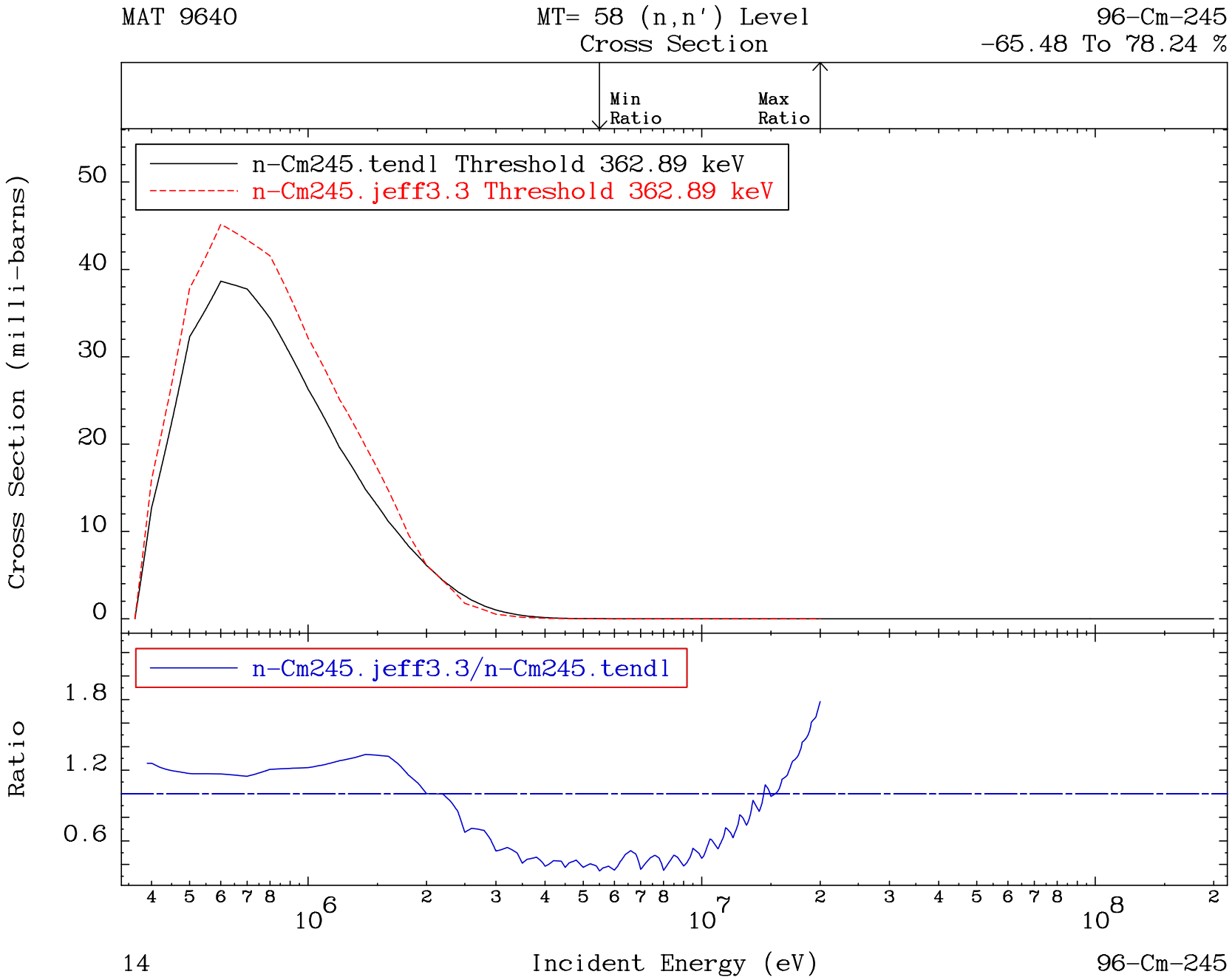

MAT 9640
MT= 53 (n,n') Level
Cross Section
96-Cm-245
-58.90 To 33.50 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 198.21 keV
n-Cm245.jeff3.3 Threshold 198.21 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
1.6
1.2
0.8
0.4
2 3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
96-Cm-245

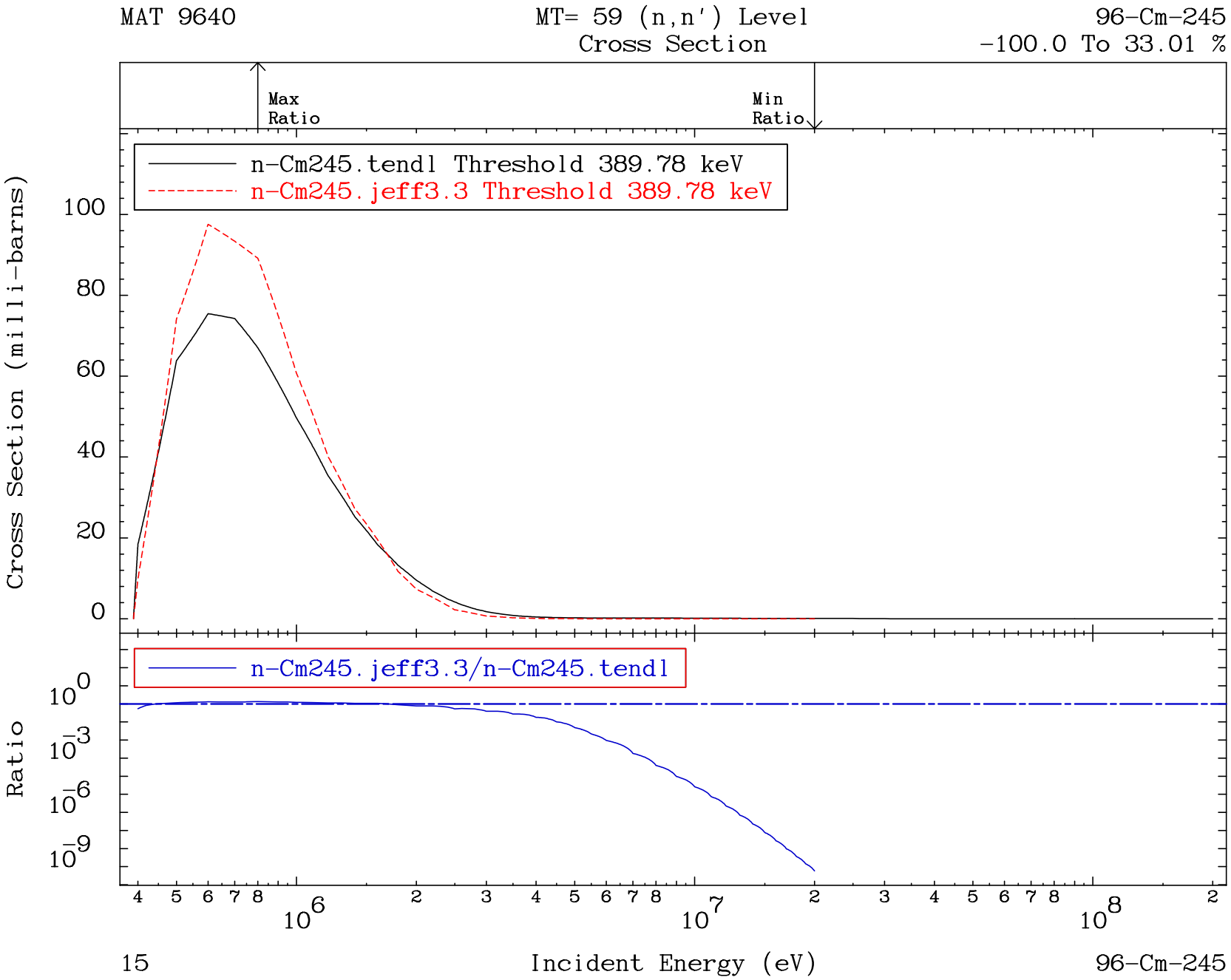

MAT 9640
MT= 54 (n,n') Level
Cross Section
96-Cm-245
-100.0 To 33.34 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 253.88 keV
n-Cm245.jeff3.3 Threshold 253.84 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
96-Cm-245

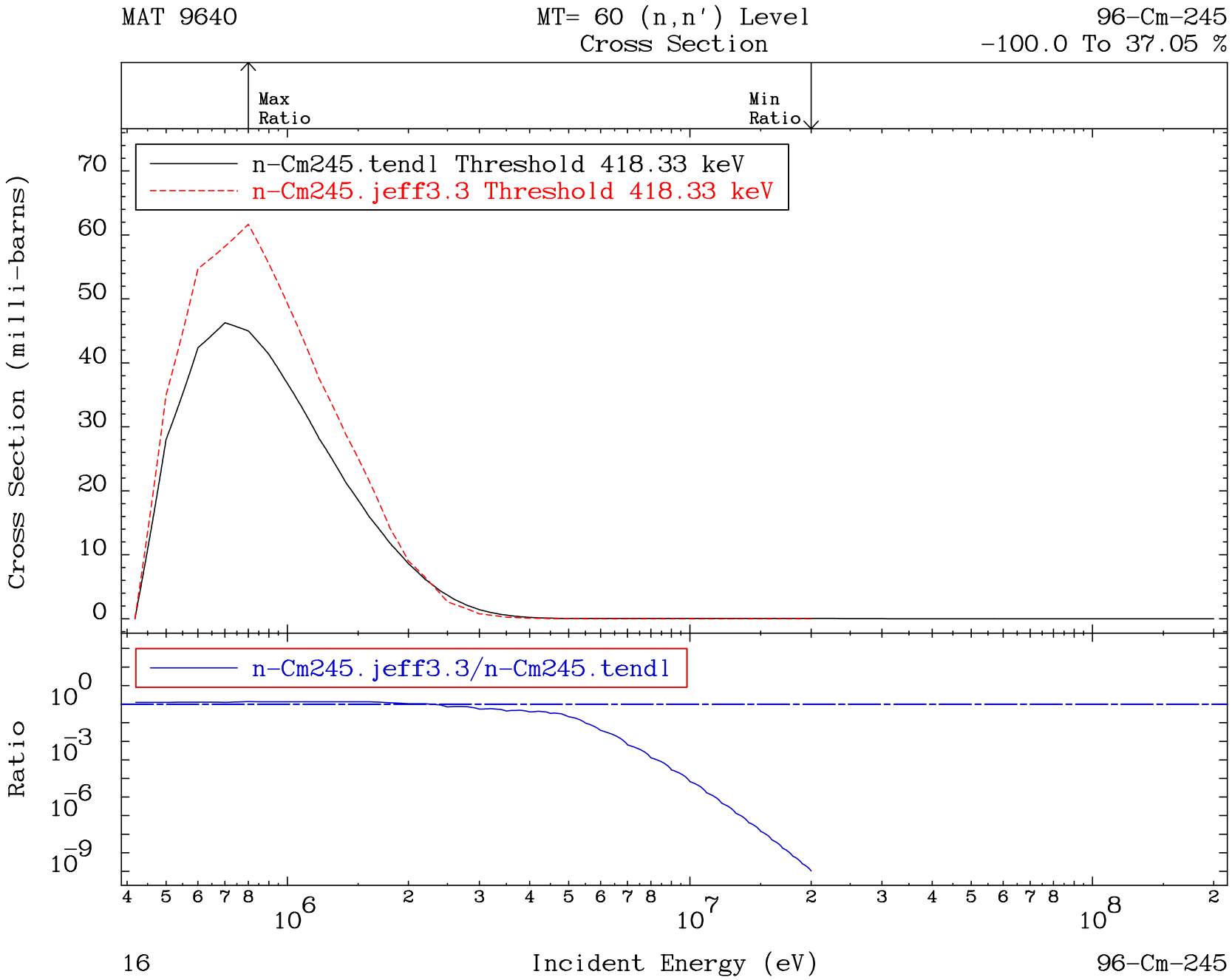

MAT 9640
MT= 55 (n,n') Level
Cross Section
96-Cm-245
-100.0 To 33.85 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 296.93 keV
n-Cm245.jeff3.3 Threshold 296.93 keV
Cross Section (milli-barns)
150
100
50
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^0
10^-4
10^-8
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
96-Cm-245

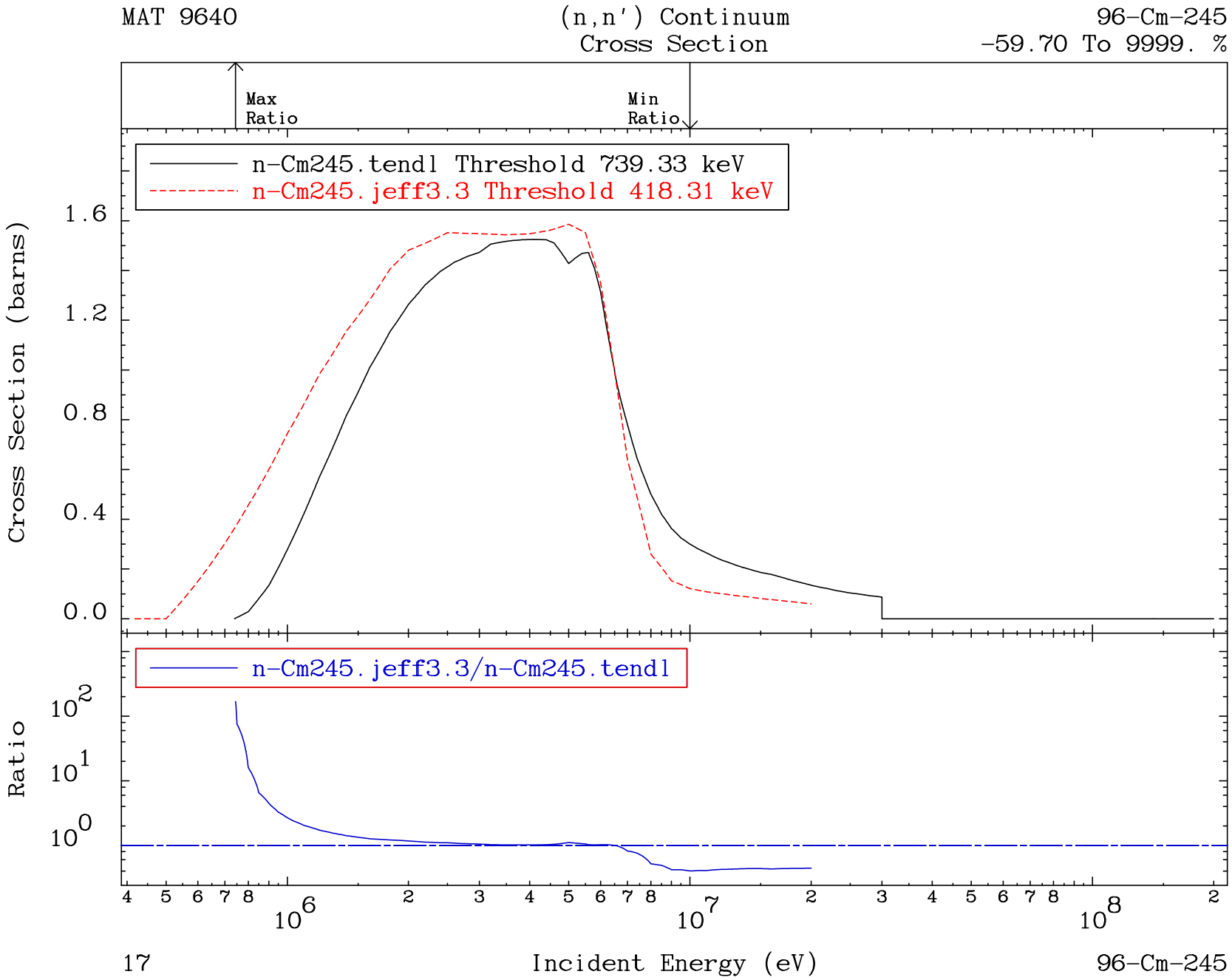

MAT 9640
MT= 56 (n,n') Level
Cross Section
96-Cm-245
-100.0 To 34.77 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 352.10 keV
n-Cm245.jeff3.3 Threshold 352.10 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^0
10^-3
10^-6
10^-9
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
96-Cm-245

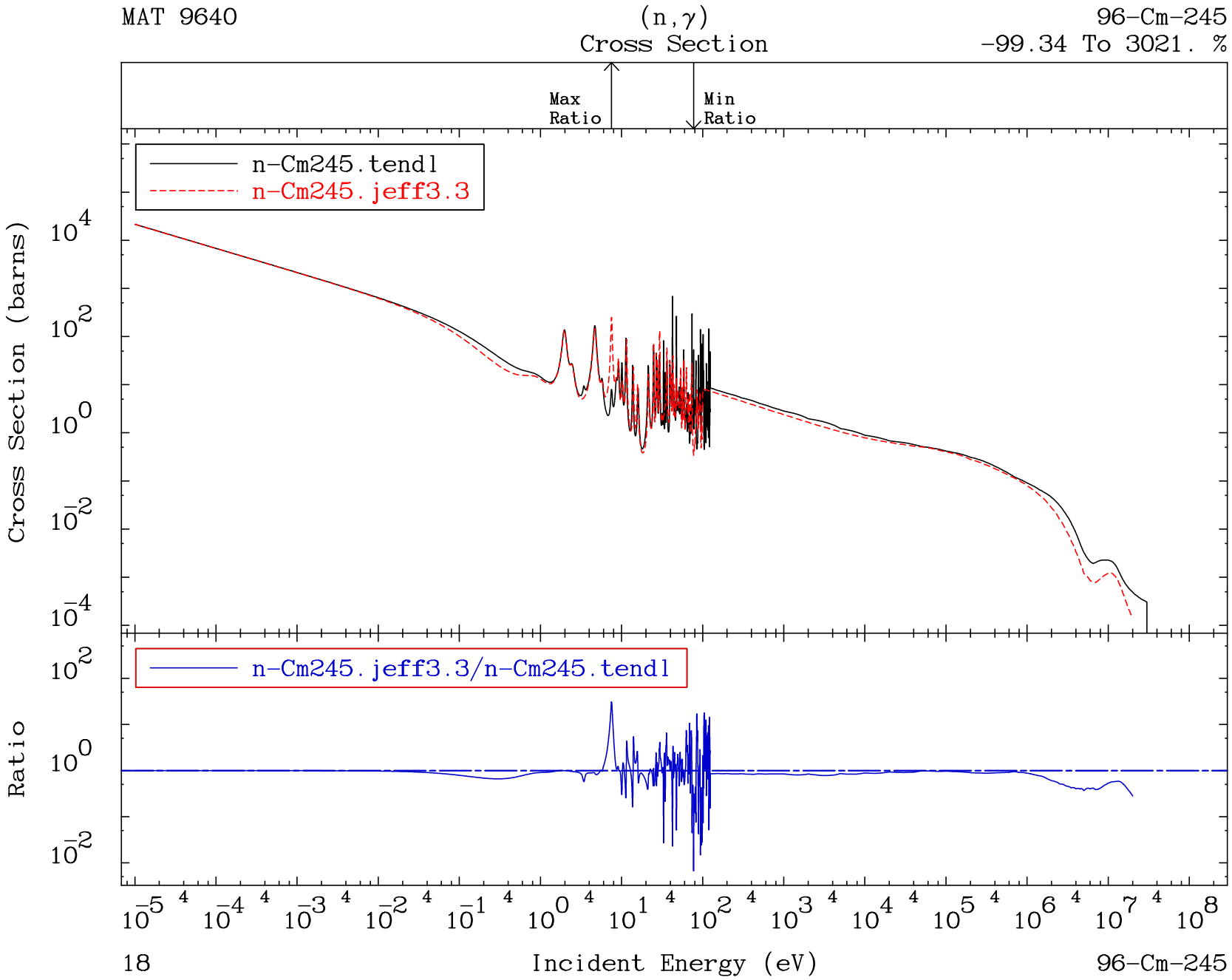

MAT 9640
MT= 57 (n,n') Level
Cross Section
96-Cm-245
-65.58 To 78.40 %
Min
Ratio
Max
Ratio
n-Cm245.tendl Threshold 357.39 keV
n-Cm245.jeff3.3 Threshold 357.39 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
0.6
1.2
1.8
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
96-Cm-245

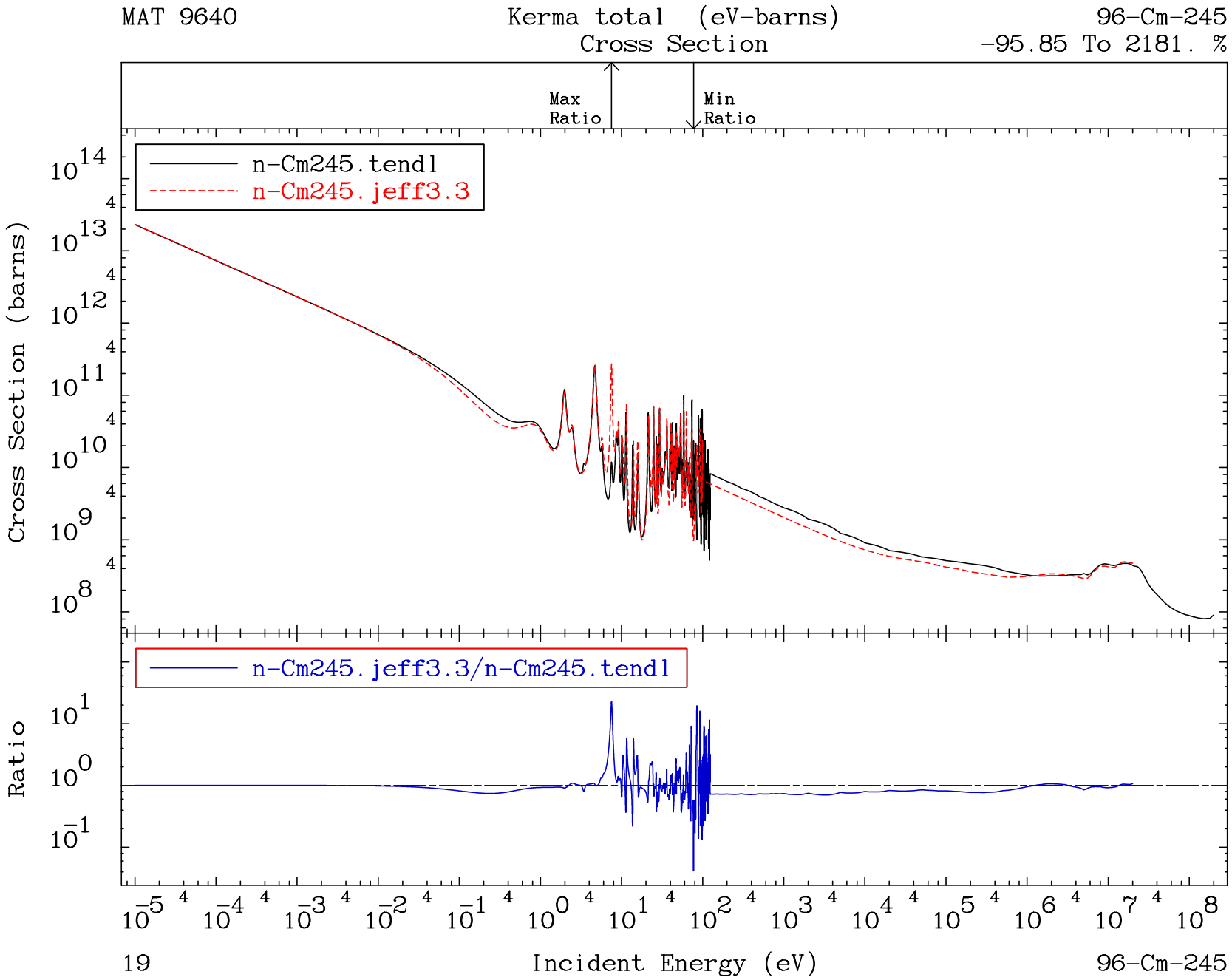

MAT 9640
MT= 58 (n,n') Level
Cross Section
96-Cm-245
-65.48 To 78.24 %
Min
Ratio
Max
Ratio
n-Cm245.tendl Threshold 362.89 keV
n-Cm245.jeff3.3 Threshold 362.89 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
1.8
1.2
0.6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
96-Cm-245

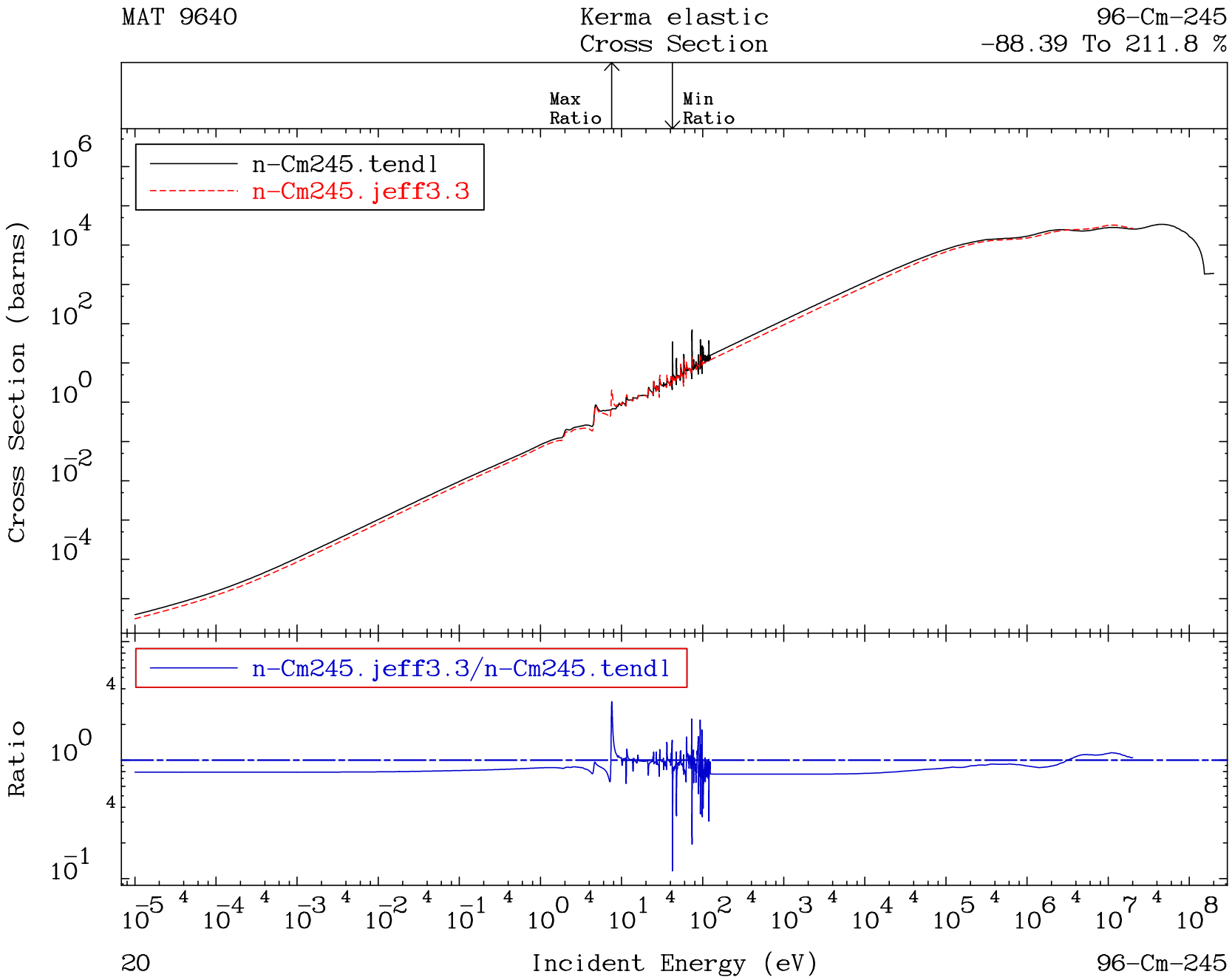

MAT 9640
MT= 59 (n,n') Level
Cross Section
96-Cm-245
-100.0 To 33.01 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 389.78 keV
n-Cm245.jeff3.3 Threshold 389.78 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^0
10^-3
10^-6
10^-9
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
96-Cm-245

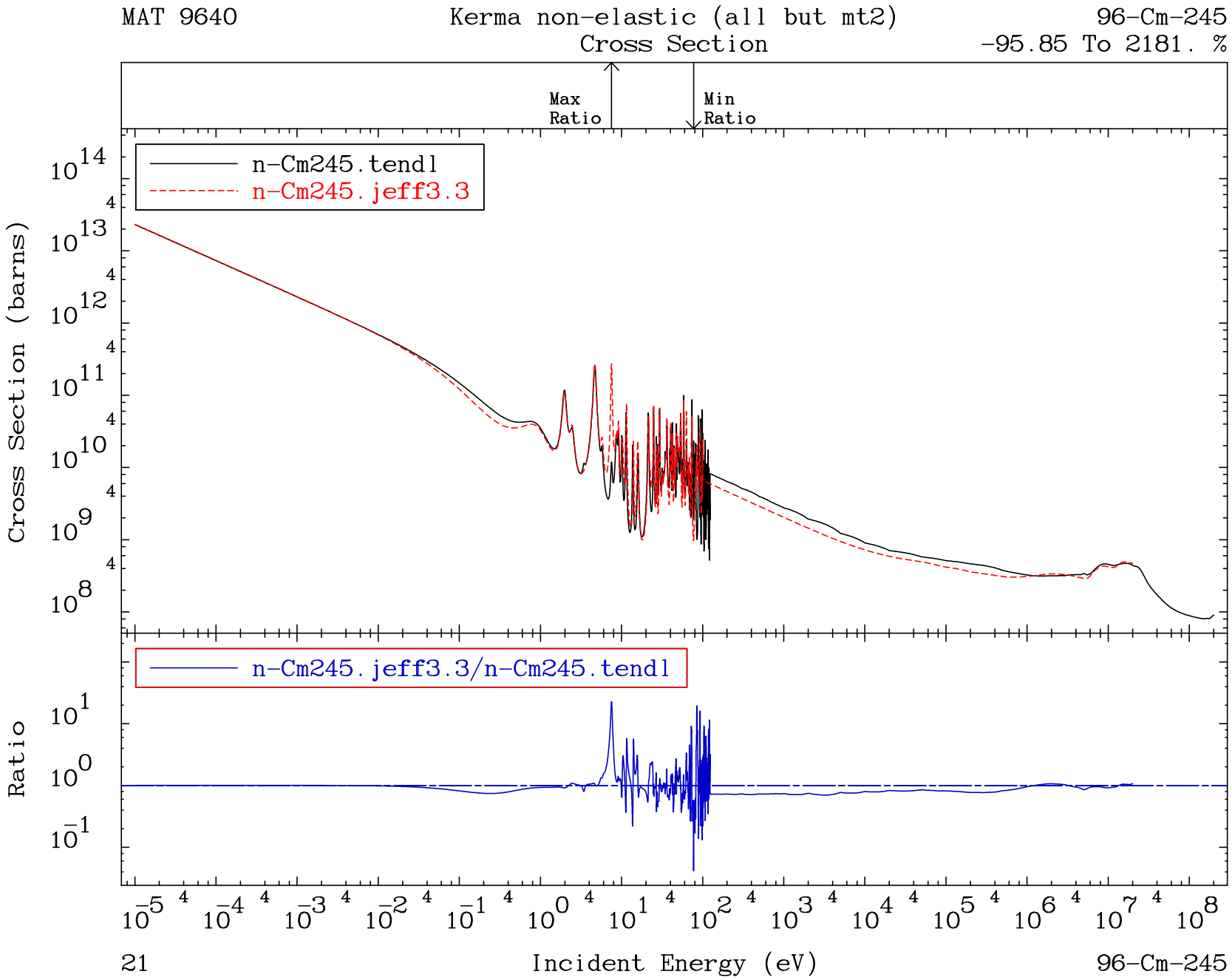

MAT 9640
MT= 60 (n,n') Level
Cross Section
96-Cm-245
-100.0 To 37.05 %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 418.33 keV
n-Cm245.jeff3.3 Threshold 418.33 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^0
10^-3
10^-6
10^-9
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
96-Cm-245

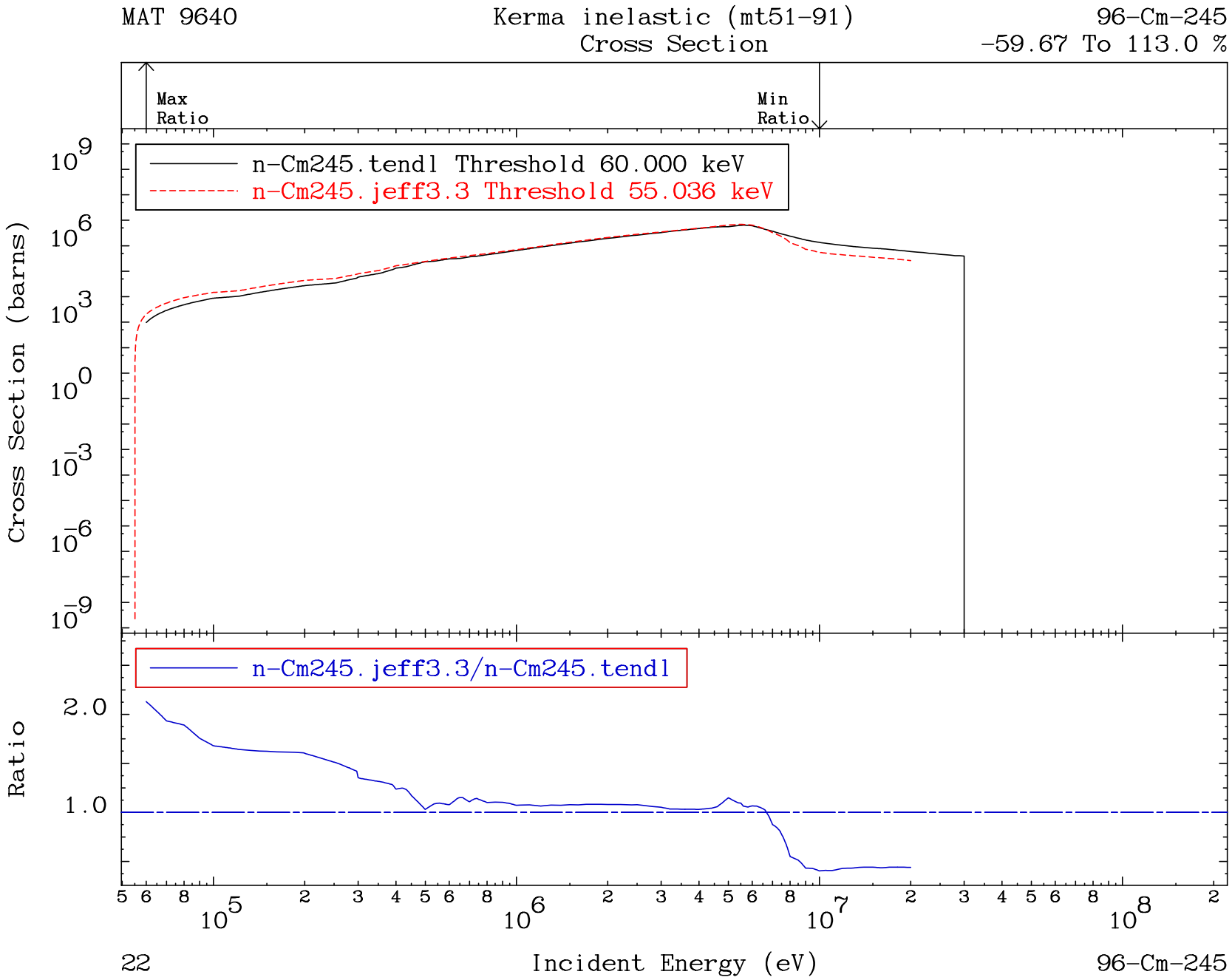

MAT 9640
(n,n') Continuum
Cross Section
96-Cm-245
-59.70 To 9999. %
Max
Ratio
Min
Ratio
n-Cm245.tendl Threshold 739.33 keV
n-Cm245.jeff3.3 Threshold 418.31 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
10^2
10^1
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
96-Cm-245

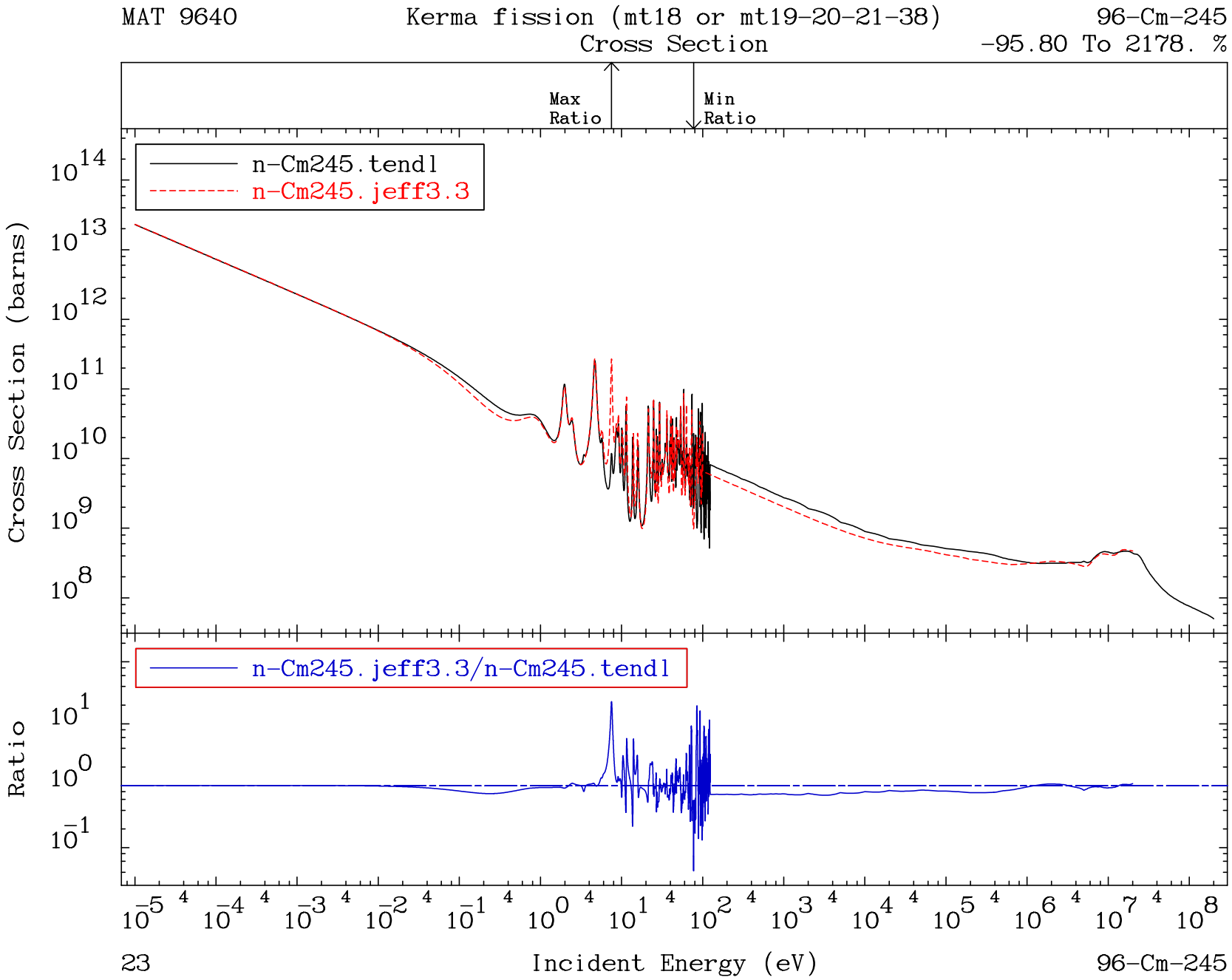

MAT 9640
(n,γ)
Cross Section
96-Cm-245
-99.34 To 3021. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
18
96-Cm-245

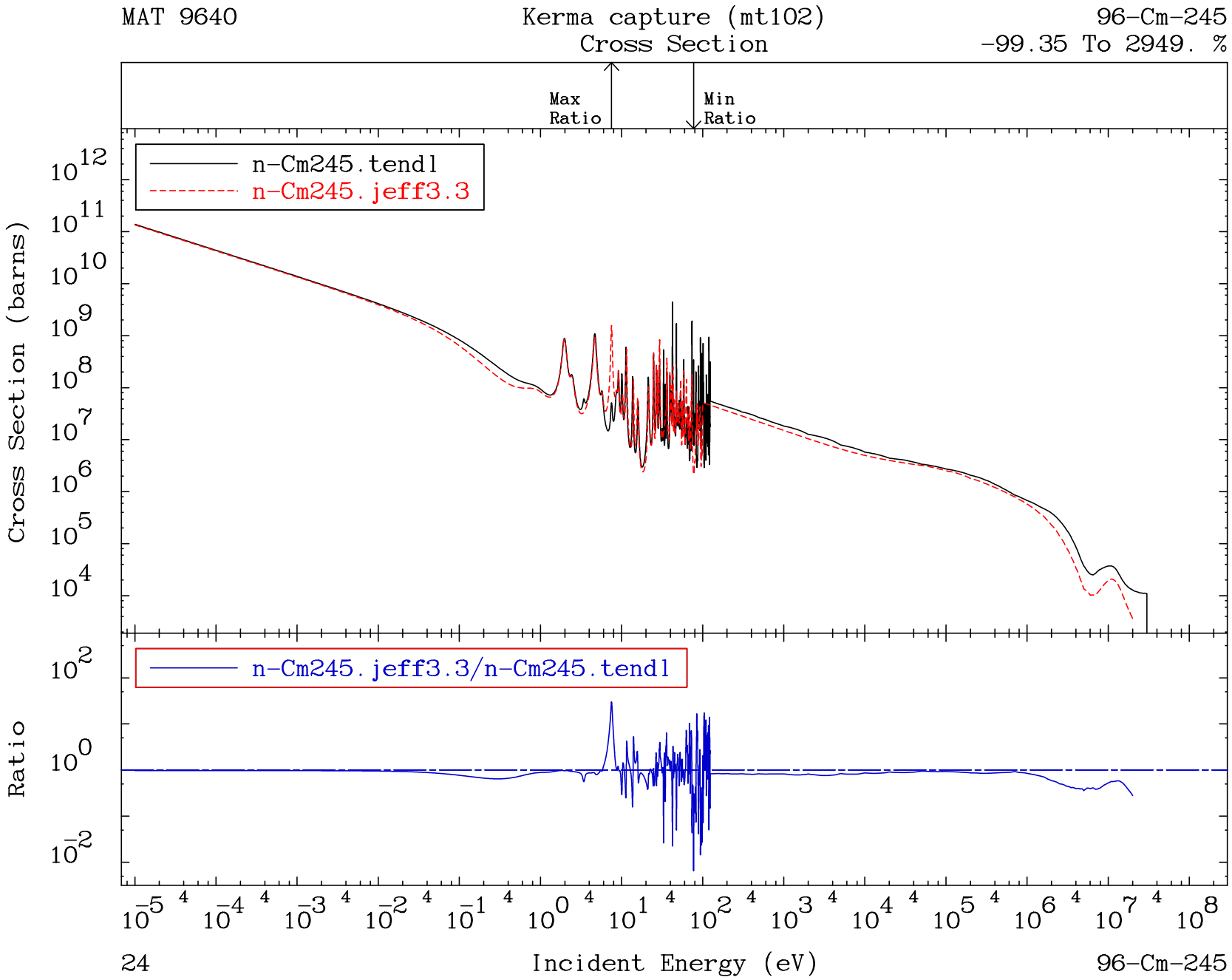

MAT 9640
Kerma total (eV-barns)
Cross Section
96-Cm-245
-95.85 To 2181. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
19
96-Cm-245

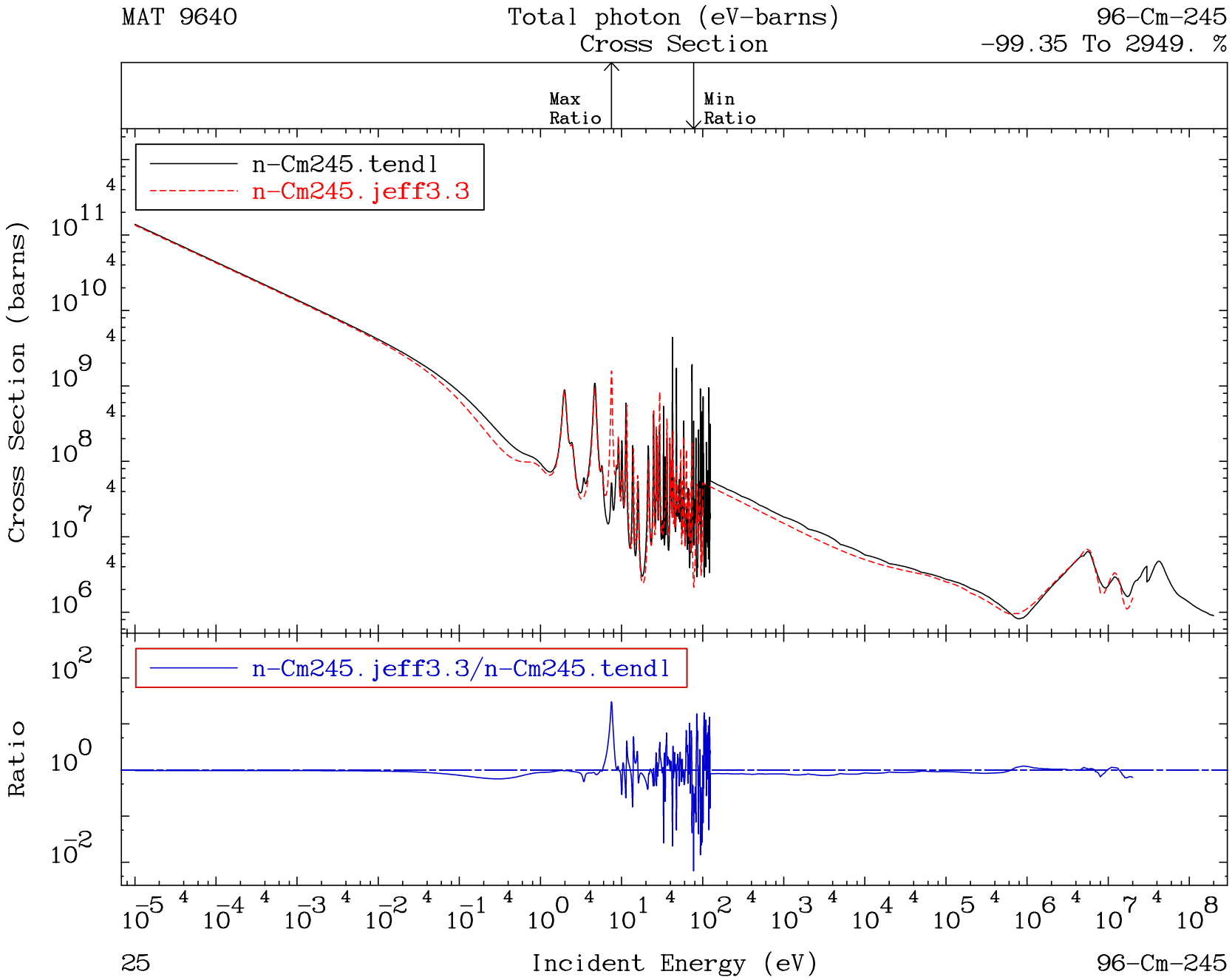

MAT 9640
Kerma elastic
Cross Section
96-Cm-245
-88.39 To 211.8 %
Max
Ratio
Min
Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
20
96-Cm-245

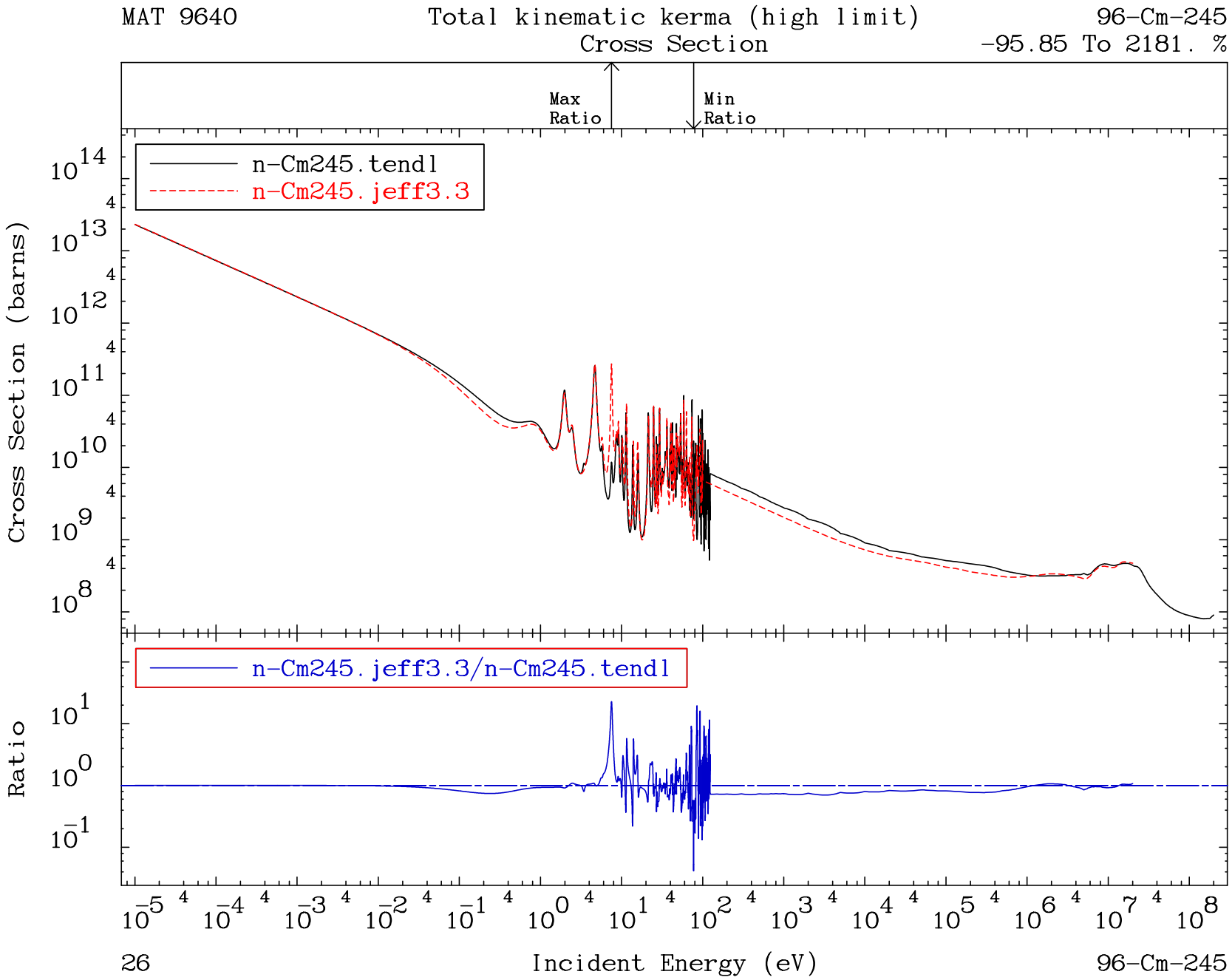

MAT 9640
Kerma non-elastic (all but mt2)
Cross Section
96-Cm-245
-95.85 To 2181. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
21
96-Cm-245

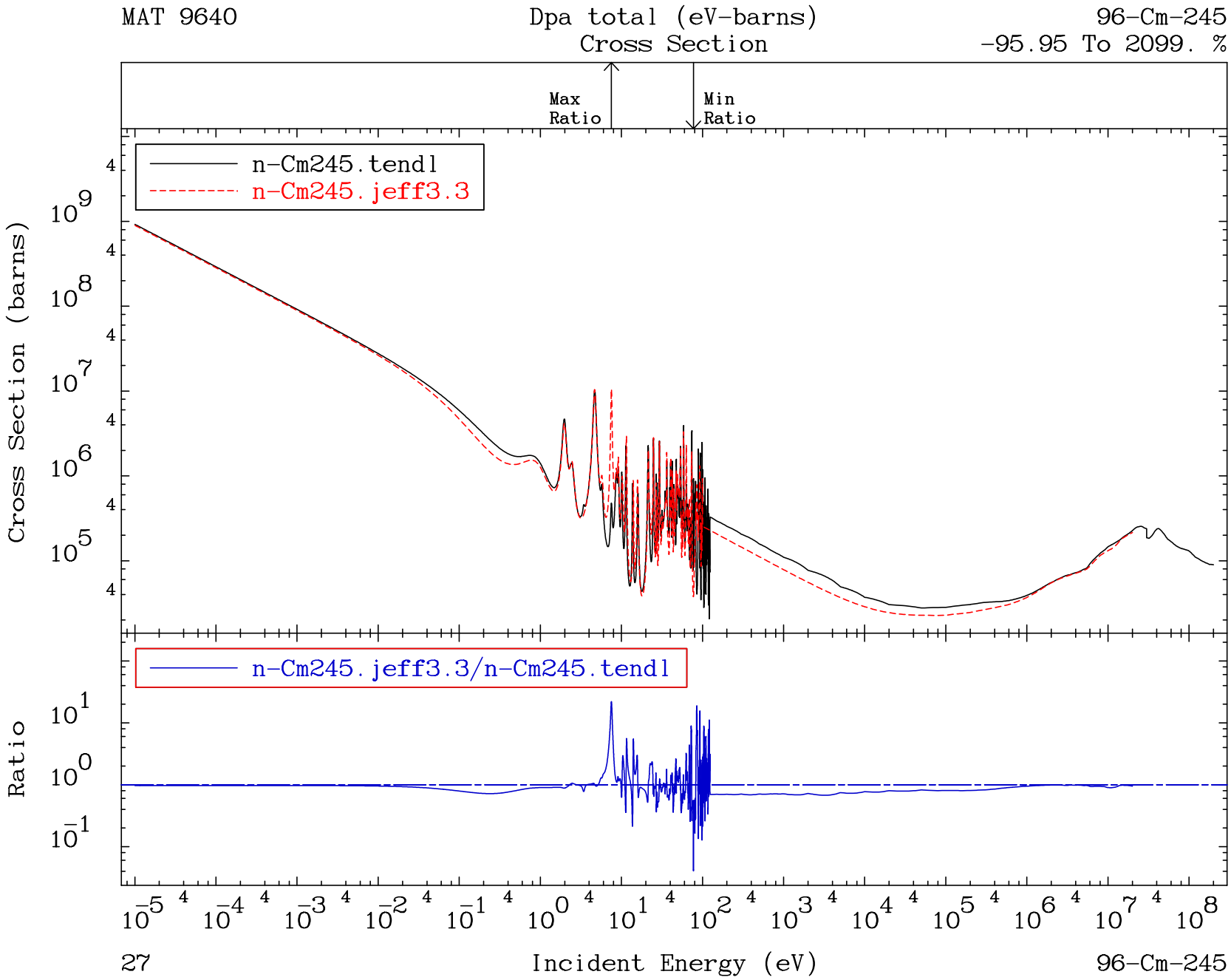

MAT 9640
Kerma inelastic (mt51-91)
Cross Section
96-Cm-245
-59.67 To 113.0 %
Max Ratio
Min Ratio
n-Cm245.tendl Threshold 60.000 keV
n-Cm245.jeff3.3 Threshold 55.036 keV
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
22
96-Cm-245

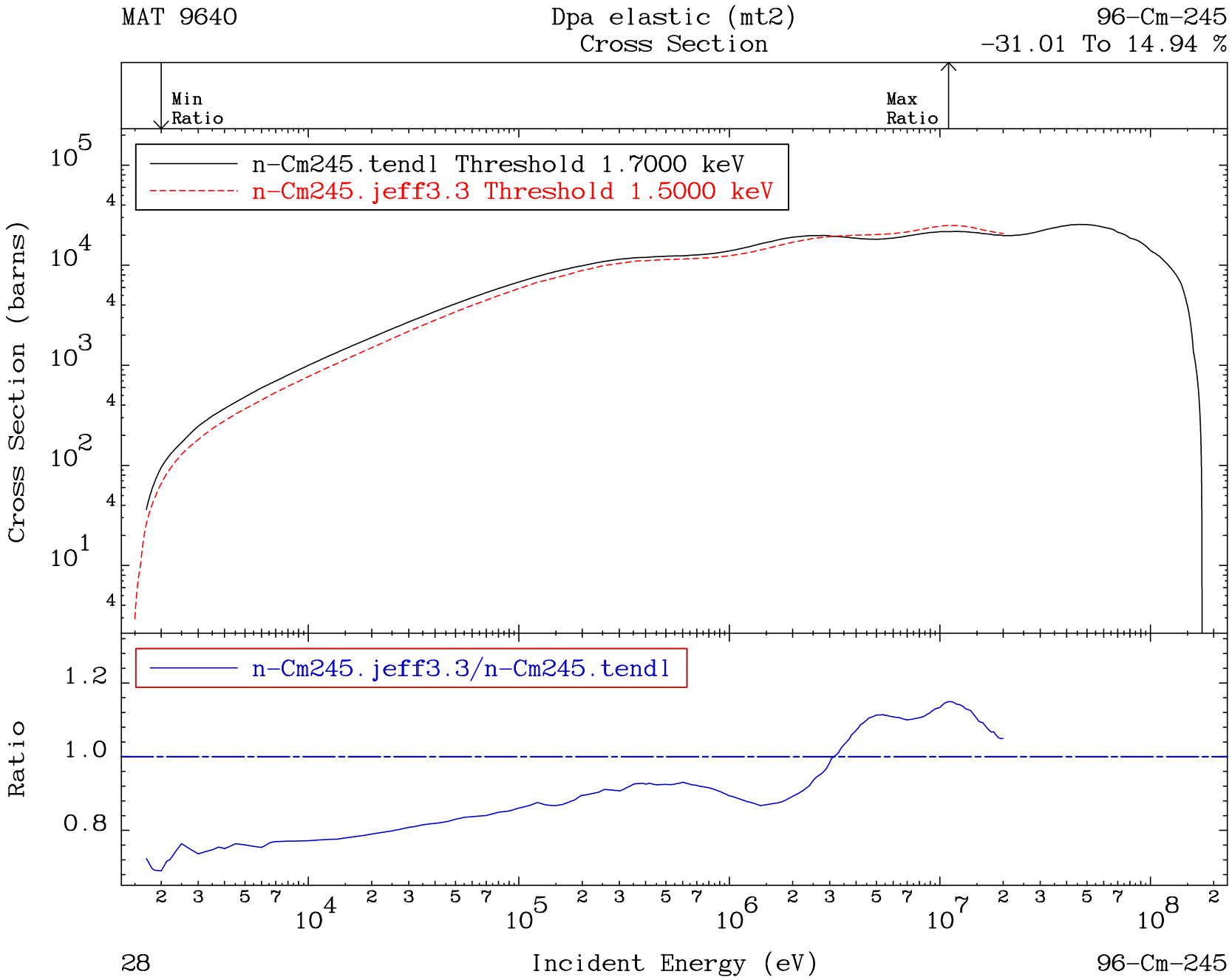

MAT 9640
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
96-Cm-245
-95.80 To 2178. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
23
96-Cm-245

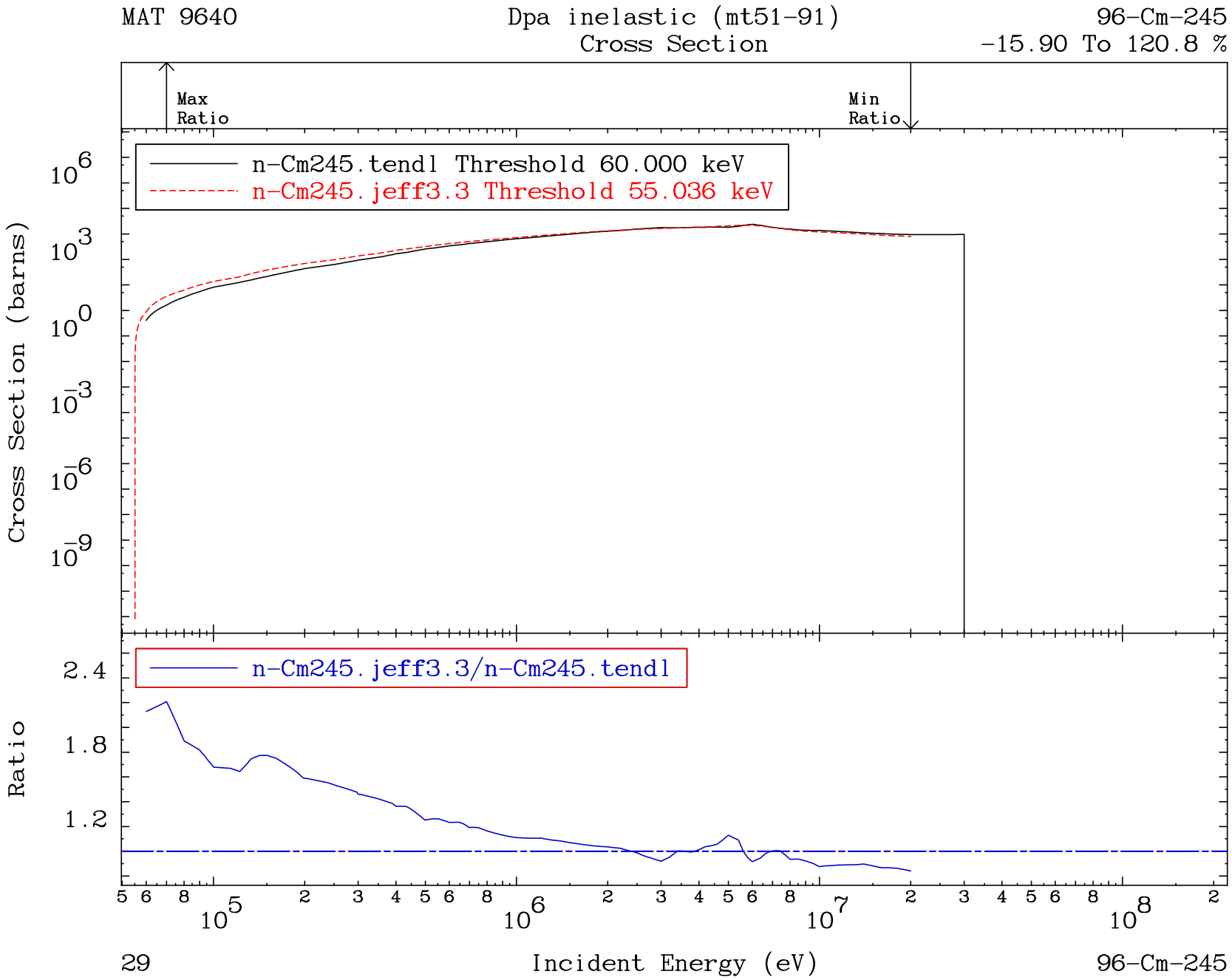

MAT 9640
Kerma capture (mt102)
Cross Section
96-Cm-245
-99.35 To 2949. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
24
Incident Energy (eV)
96-Cm-245

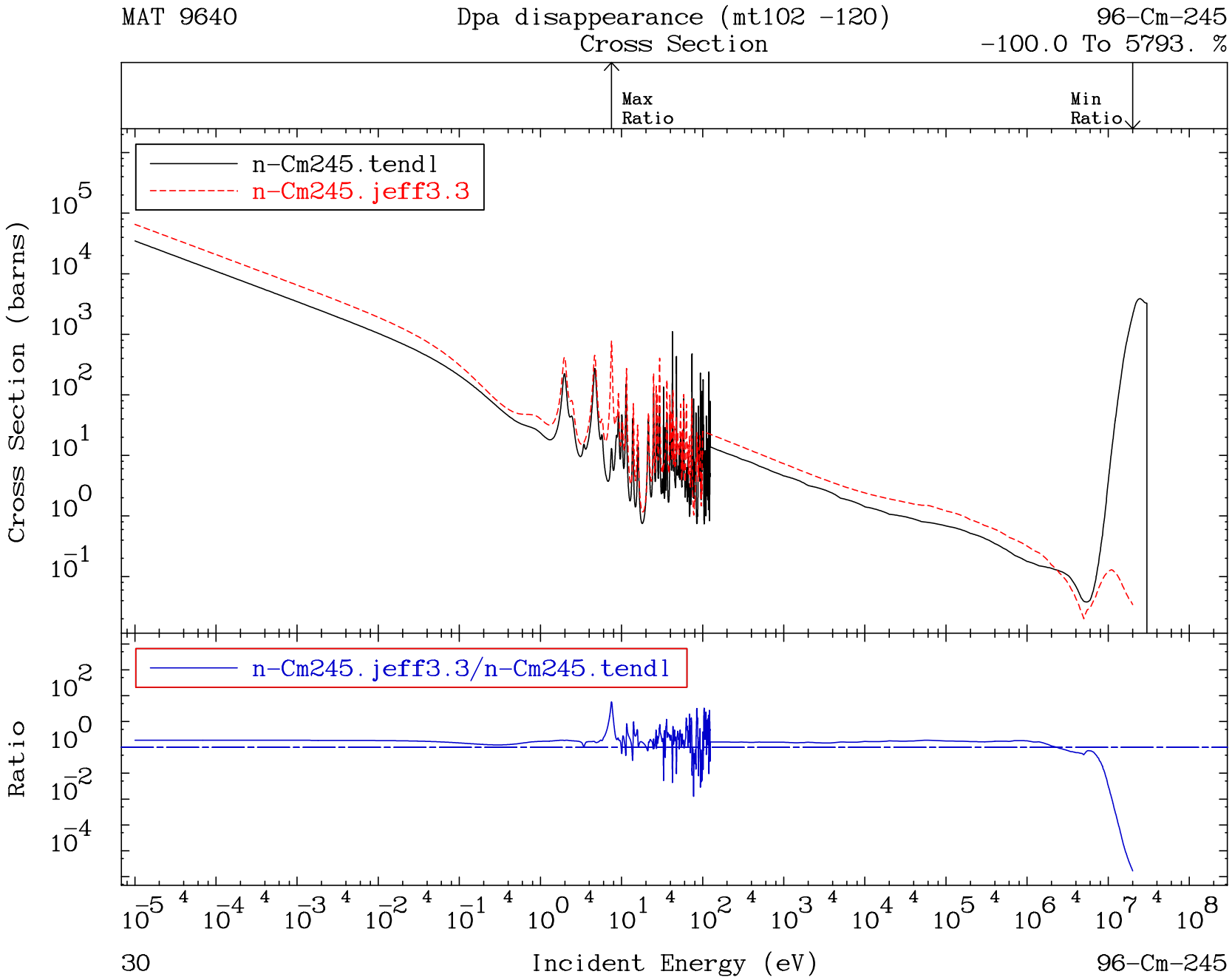

MAT 9640
Total photon (eV-barns)
Cross Section
96-Cm-245
-99.35 To 2949. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
25
96-Cm-245


MAT 9640
Total kinematic kerma (high limit)
Cross Section
96-Cm-245
-95.85 To 2181. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
26
96-Cm-245


MAT 9640
Dpa total (eV-barns)
Cross Section
96-Cm-245
-95.95 To 2099. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
27
96-Cm-245


MAT 9640
Dpa elastic (mt2)
Cross Section
96-Cm-245
-31.01 To 14.94 %
Min Ratio
Max Ratio
n-Cm245.tendl Threshold 1.7000 keV
n-Cm245.jeff3.3 Threshold 1.5000 keV
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
28
96-Cm-245


MAT 9640
Dpa inelastic (mt51-91)
Cross Section
96-Cm-245
-15.90 To 120.8 %
Max Ratio
Min Ratio
n-Cm245.tendl Threshold 60.000 keV
n-Cm245.jeff3.3 Threshold 55.036 keV
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
29
96-Cm-245


MAT 9640
Dpa disappearance (mt102 -120)
Cross Section
96-Cm-245
-100.0 To 5793. %
Max Ratio
Min Ratio
n-Cm245.tendl
n-Cm245.jeff3.3
Cross Section (barns)
n-Cm245.jeff3.3/n-Cm245.tendl
Ratio
Incident Energy (eV)
30
96-Cm-245