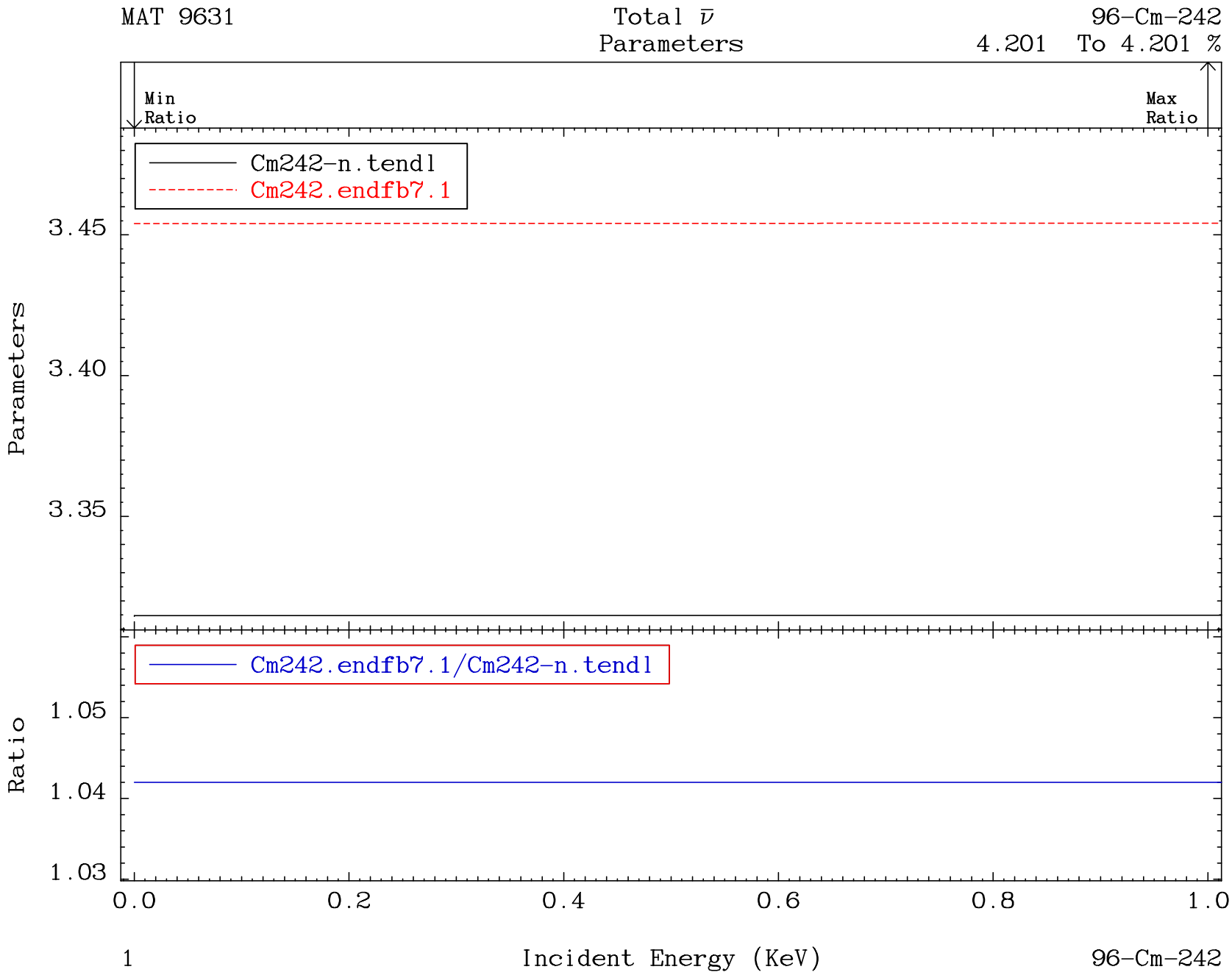
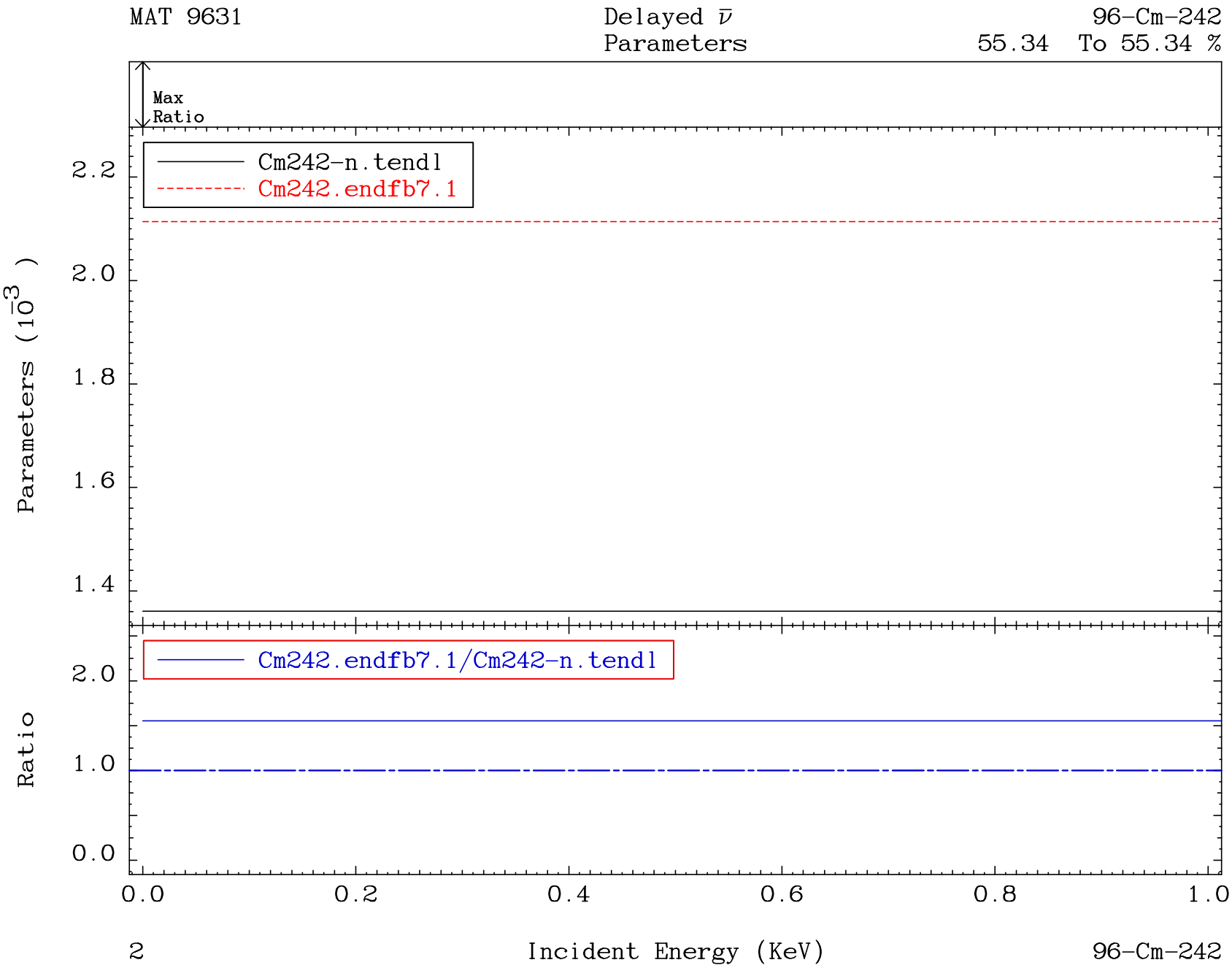
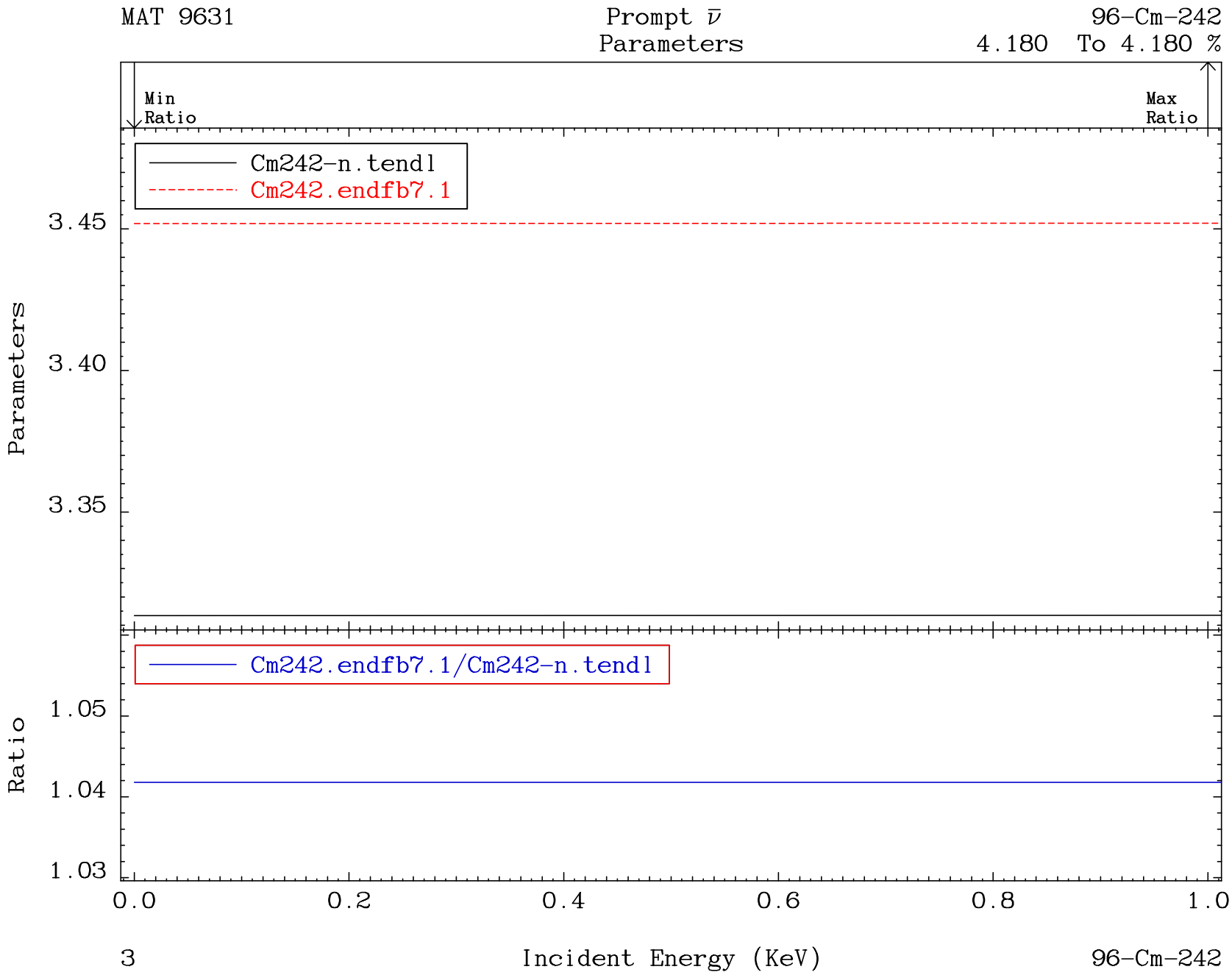
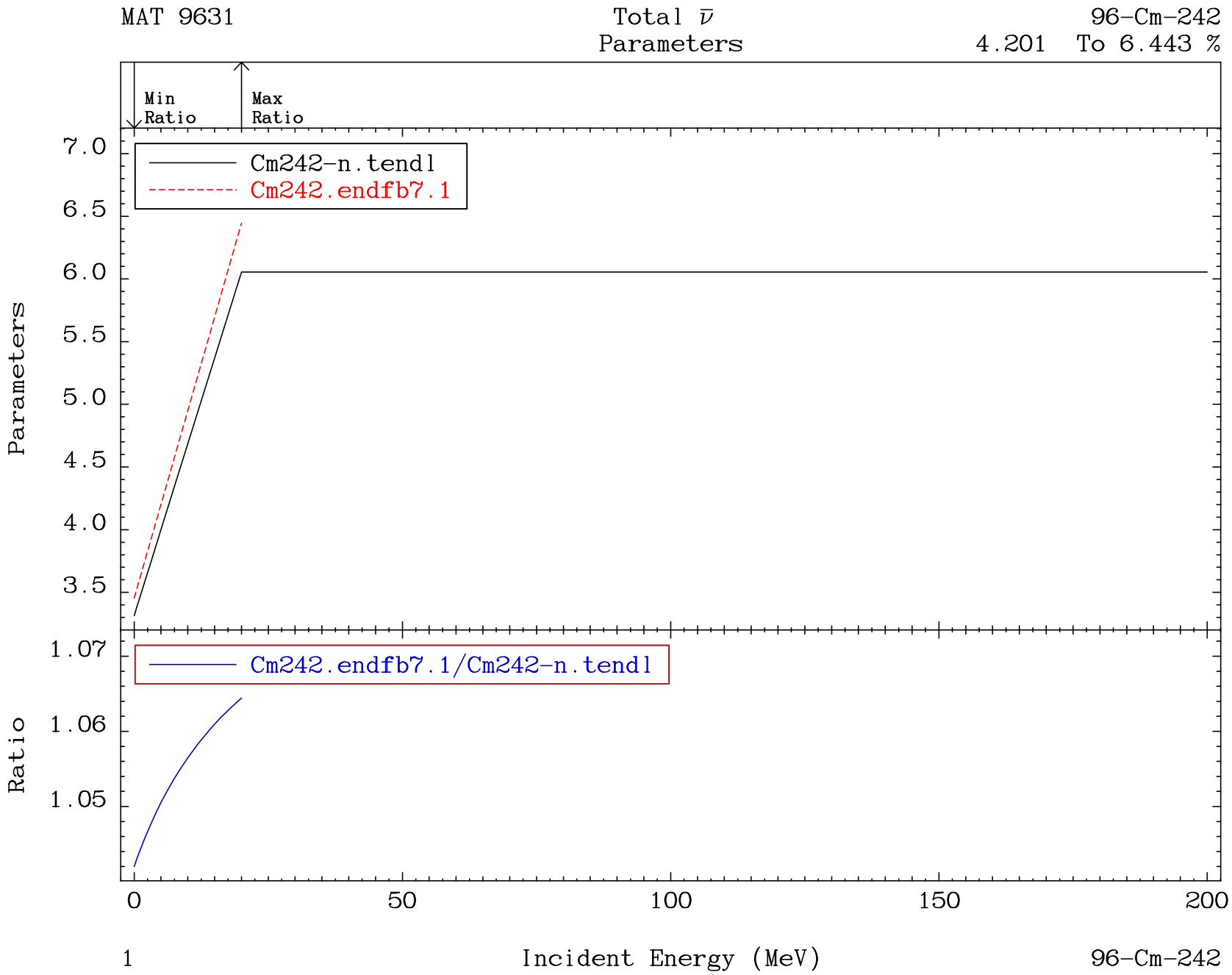
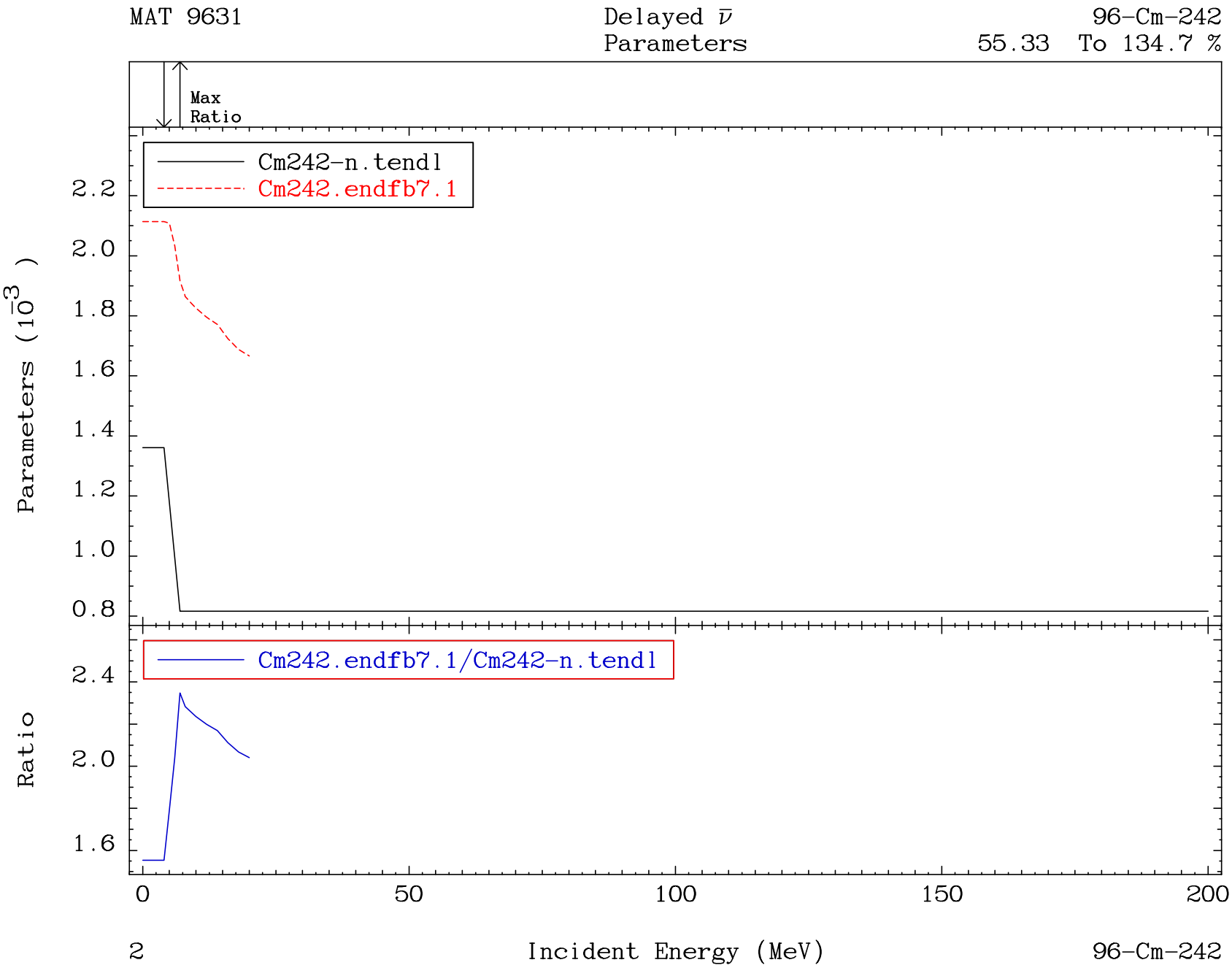
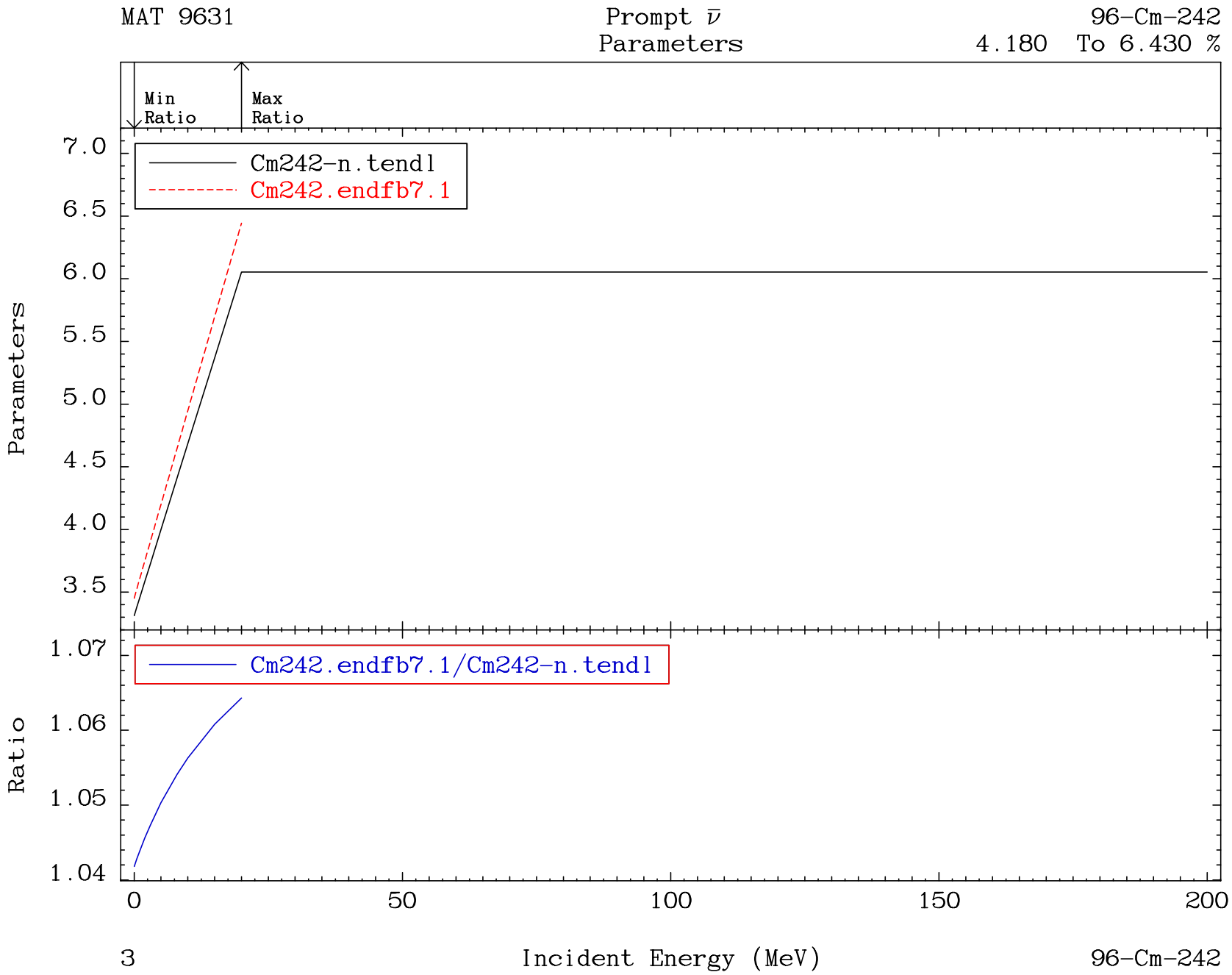

MAT 9631
Total $\bar{\nu}$
Parameters
96-Cm-242
4.201 To 4.201 %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cm242.endfb7.1/Cm242-n.tendl
Parameters
Ratio
3.45
3.40
3.35
1.05
1.04
1.03
0.0
0.2
0.4
0.6
0.8
1.0
1
Incident Energy (KeV)
96-Cm-242

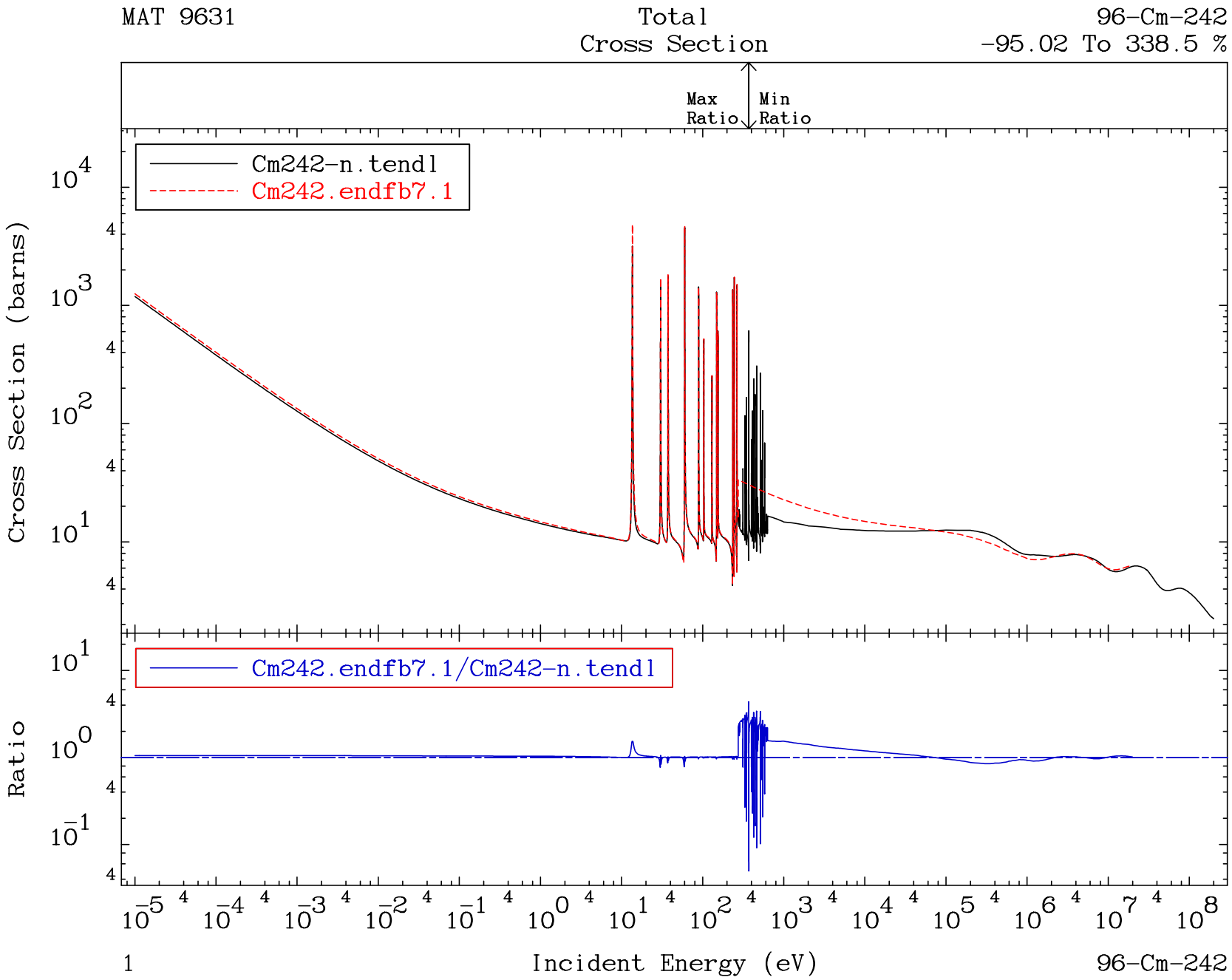

MAT 9631
Delayed $\bar{\nu}$
Parameters
96-Cm-242
55.34 To 55.34 %
Max
Ratio
Cm242-n.tendl
Cm242.endfb7.1
Parameters (10^{-3})
2.2
2.0
1.8
1.6
1.4
Cm242.endfb7.1/Cm242-n.tendl
Ratio
2.0
1.0
0.0
0.0
0.2
0.4
0.6
0.8
1.0
2
Incident Energy (KeV)
96-Cm-242

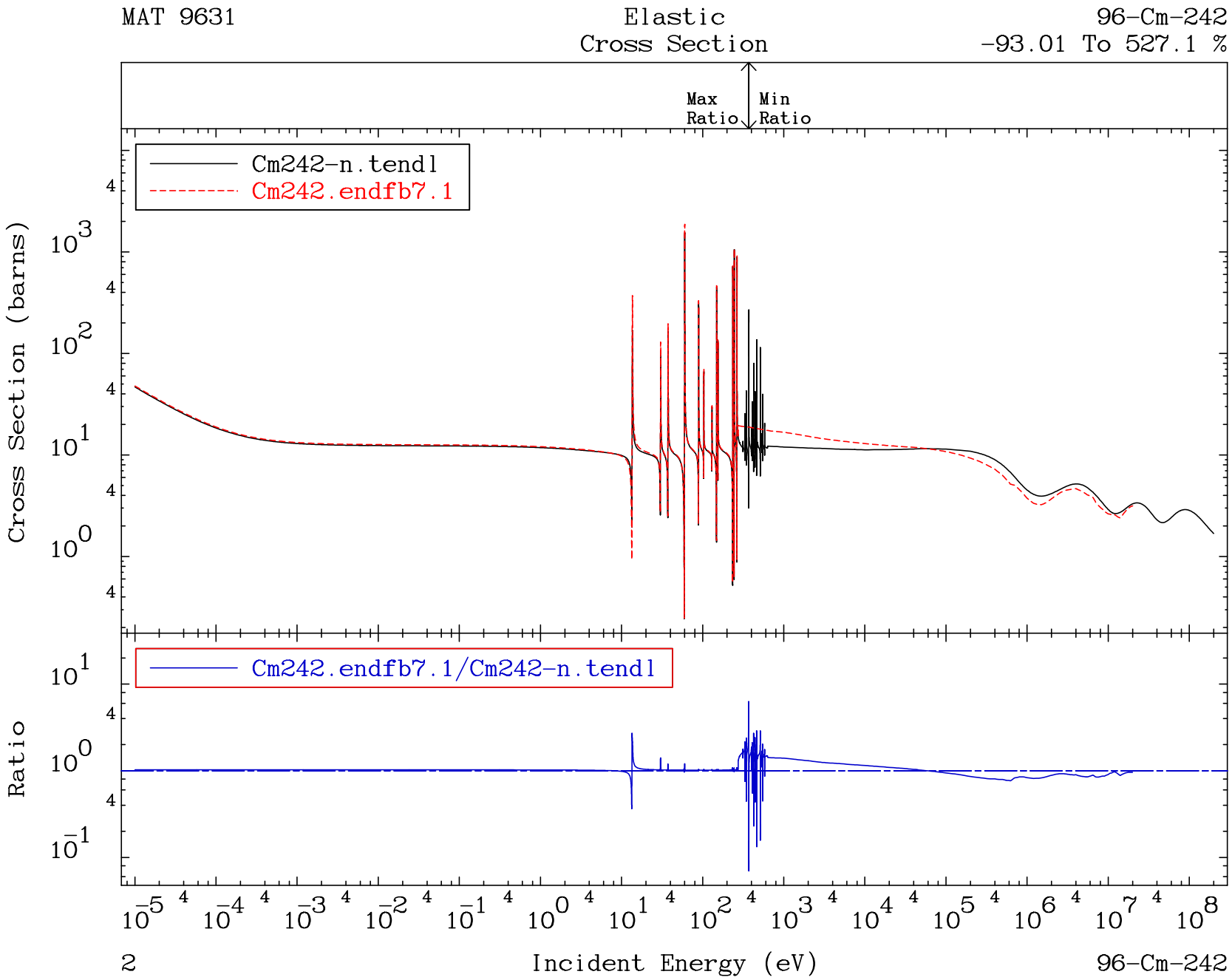

MAT 9631
Prompt $\bar{\nu}$
Parameters
96-Cm-242
4.180 To 4.180 %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cm242.endfb7.1/Cm242-n.tendl
Parameters
Ratio
3.45
3.40
3.35
1.05
1.04
1.03
0.0
0.2
0.4
0.6
0.8
1.0
3
Incident Energy (KeV)
96-Cm-242

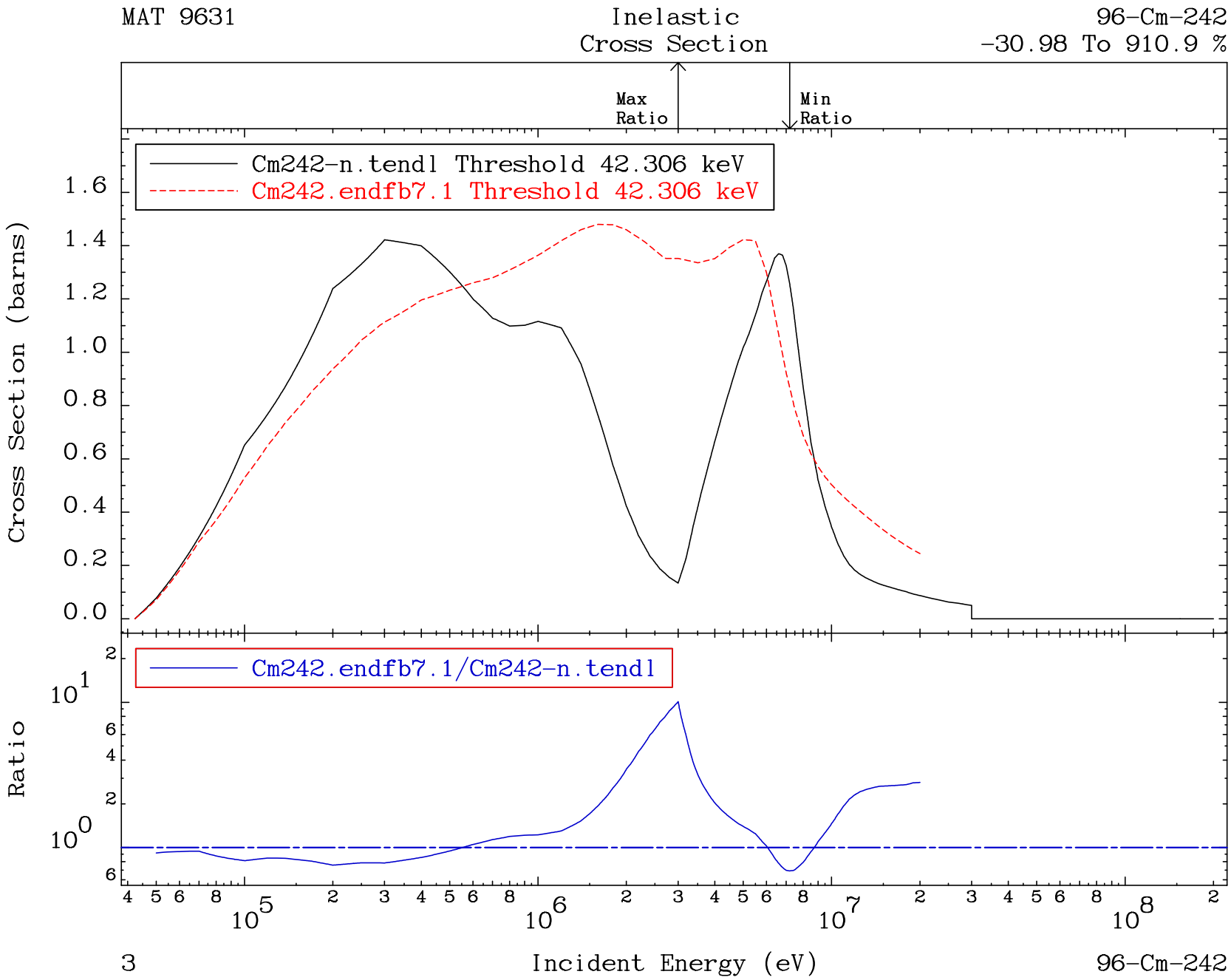

MAT 9631
Total $\bar{\nu}$
Parameters
96-Cm-242
4.201 To 6.443 %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cm242.endfb7.1/Cm242-n.tendl
Parameters
Ratio
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
1.07
1.06
1.05
0
50
100
150
200
1
Incident Energy (MeV)
96-Cm-242

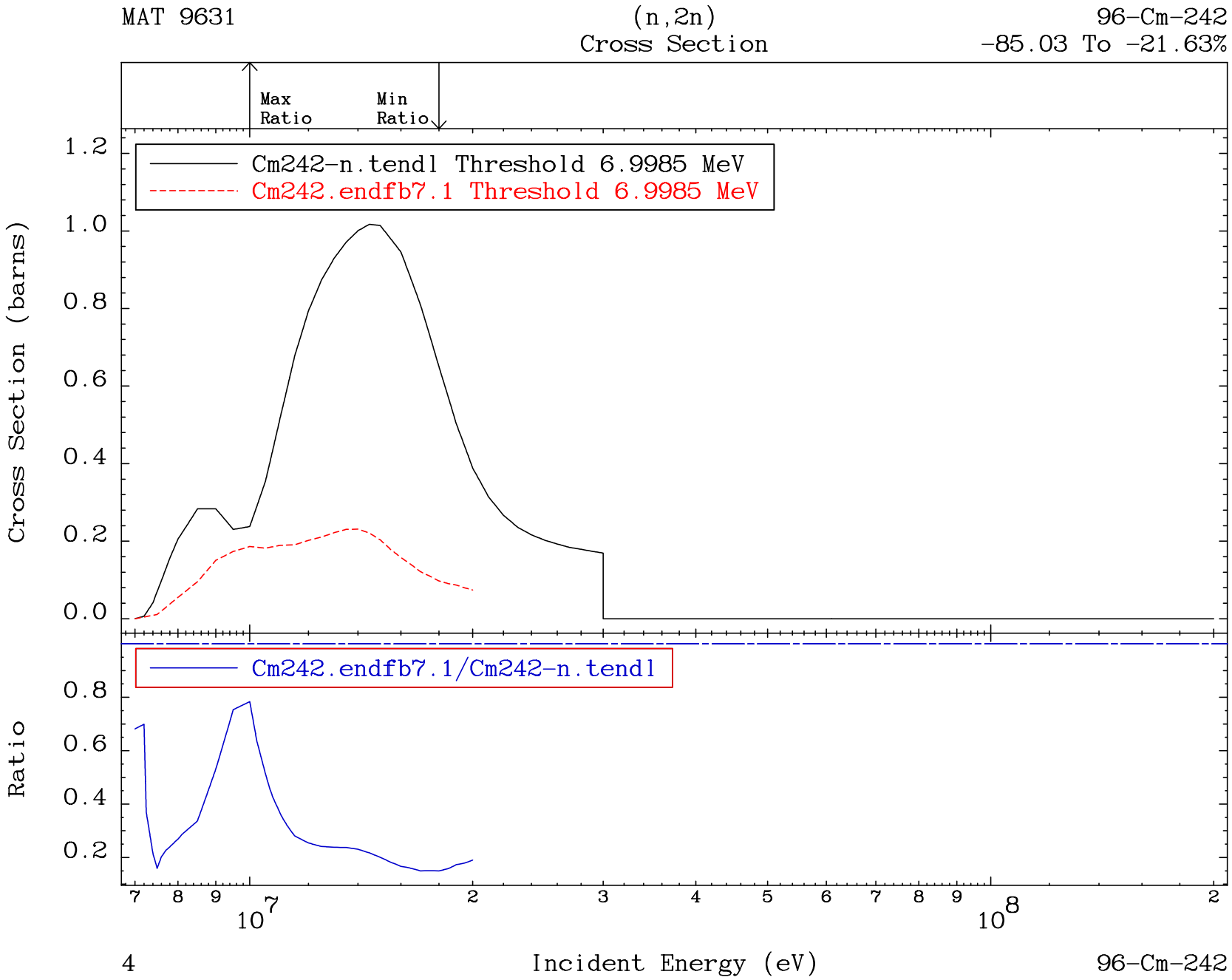

MAT 9631
Delayed $\bar{\nu}$
Parameters
96-Cm-242
55.33 To 134.7 %
Max
Ratio
Cm242-n.tendl
Cm242.endfb7.1
Parameters (10^{-3})
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
Cm242.endfb7.1/Cm242-n.tendl
Ratio
2.4
2.0
1.6
0
50
100
150
200
2
Incident Energy (MeV)
96-Cm-242

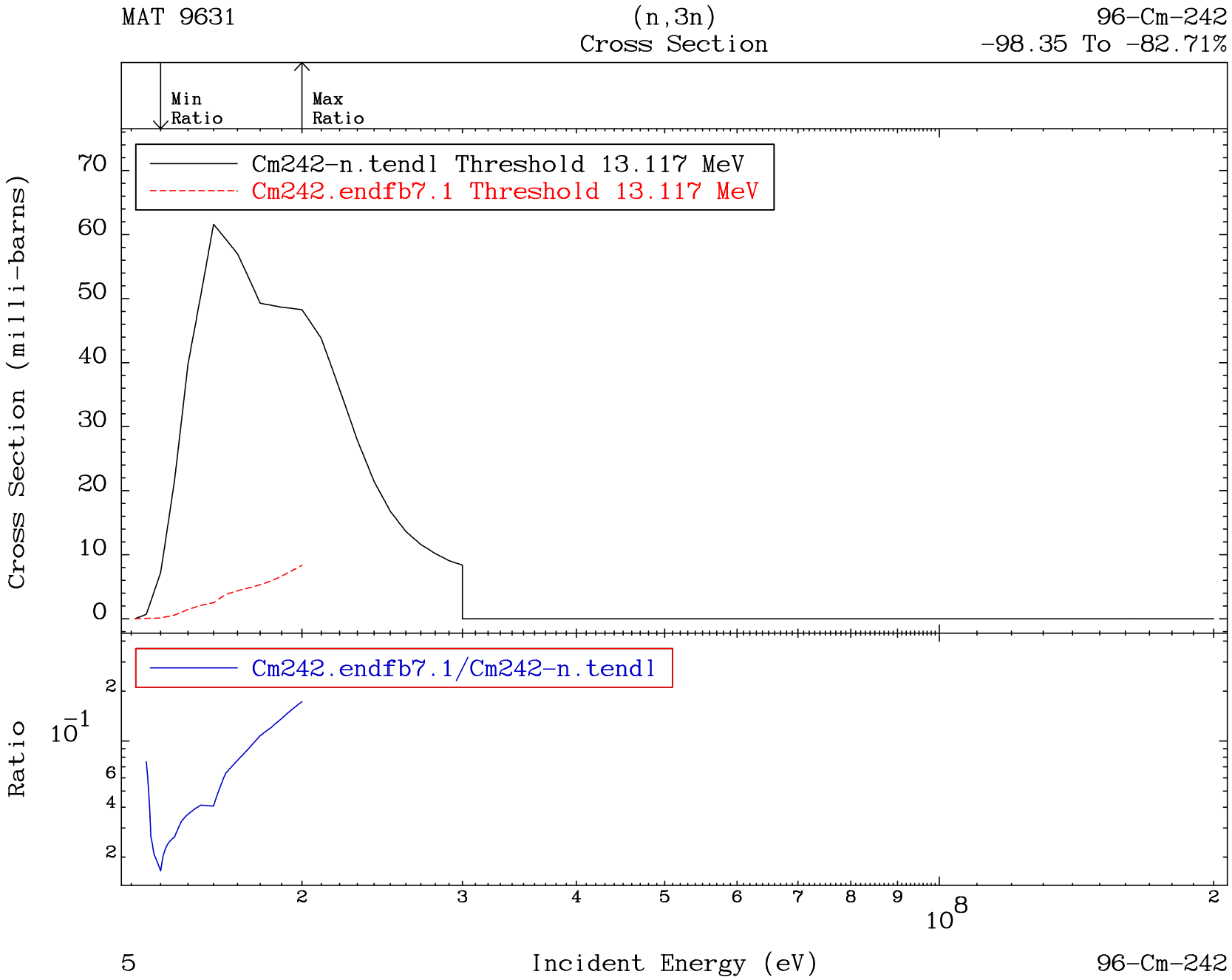

MAT 9631
Prompt $\bar{\nu}$
Parameters
96-Cm-242
4.180 To 6.430 %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Parameters
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
Cm242.endfb7.1/Cm242-n.tendl
Ratio
1.07
1.06
1.05
1.04
0
50
100
150
200
3
Incident Energy (MeV)
96-Cm-242

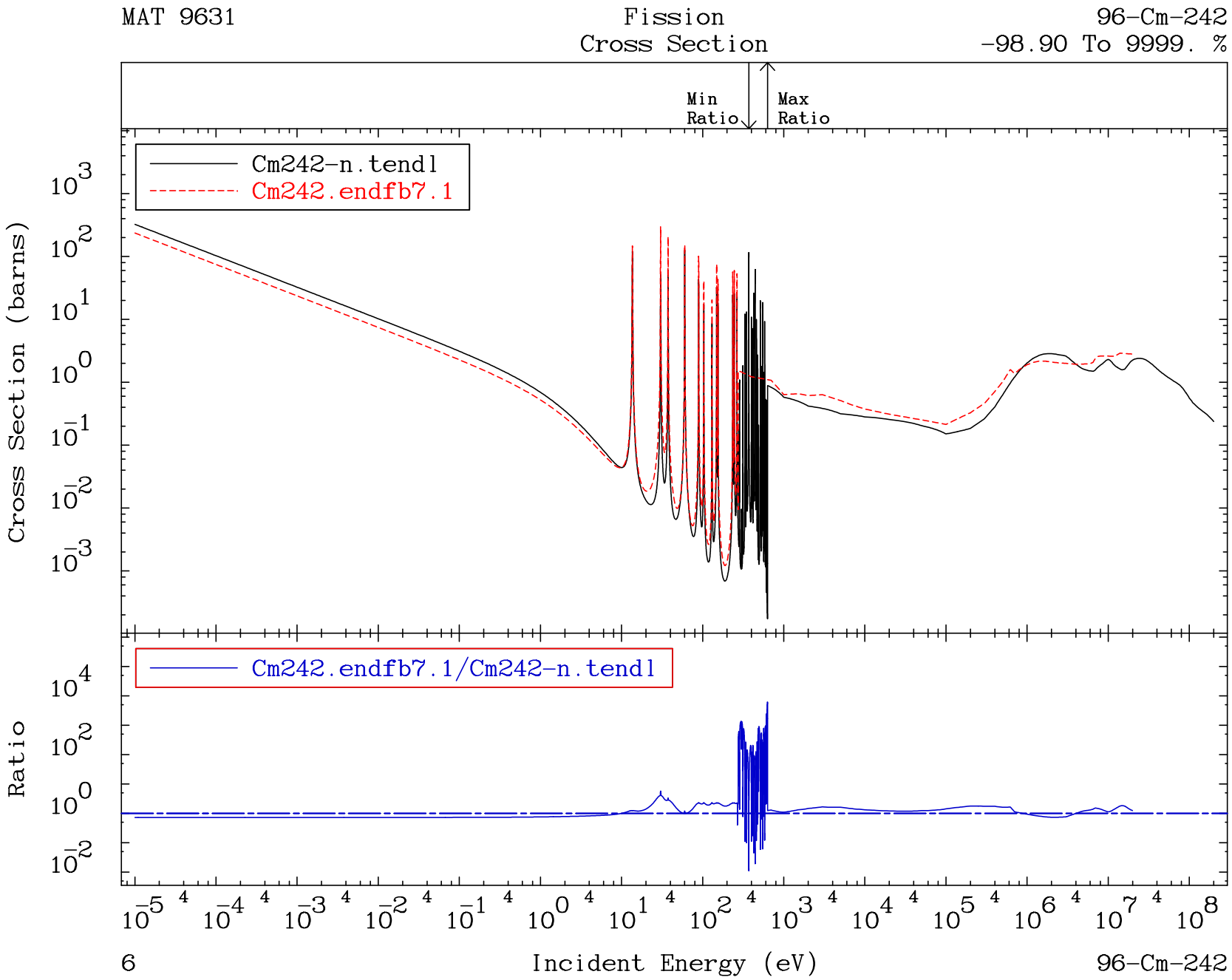

MAT 9631
Total
Cross Section
96-Cm-242
-95.02 To 338.5 %
Max Ratio
Min Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
1
96-Cm-242

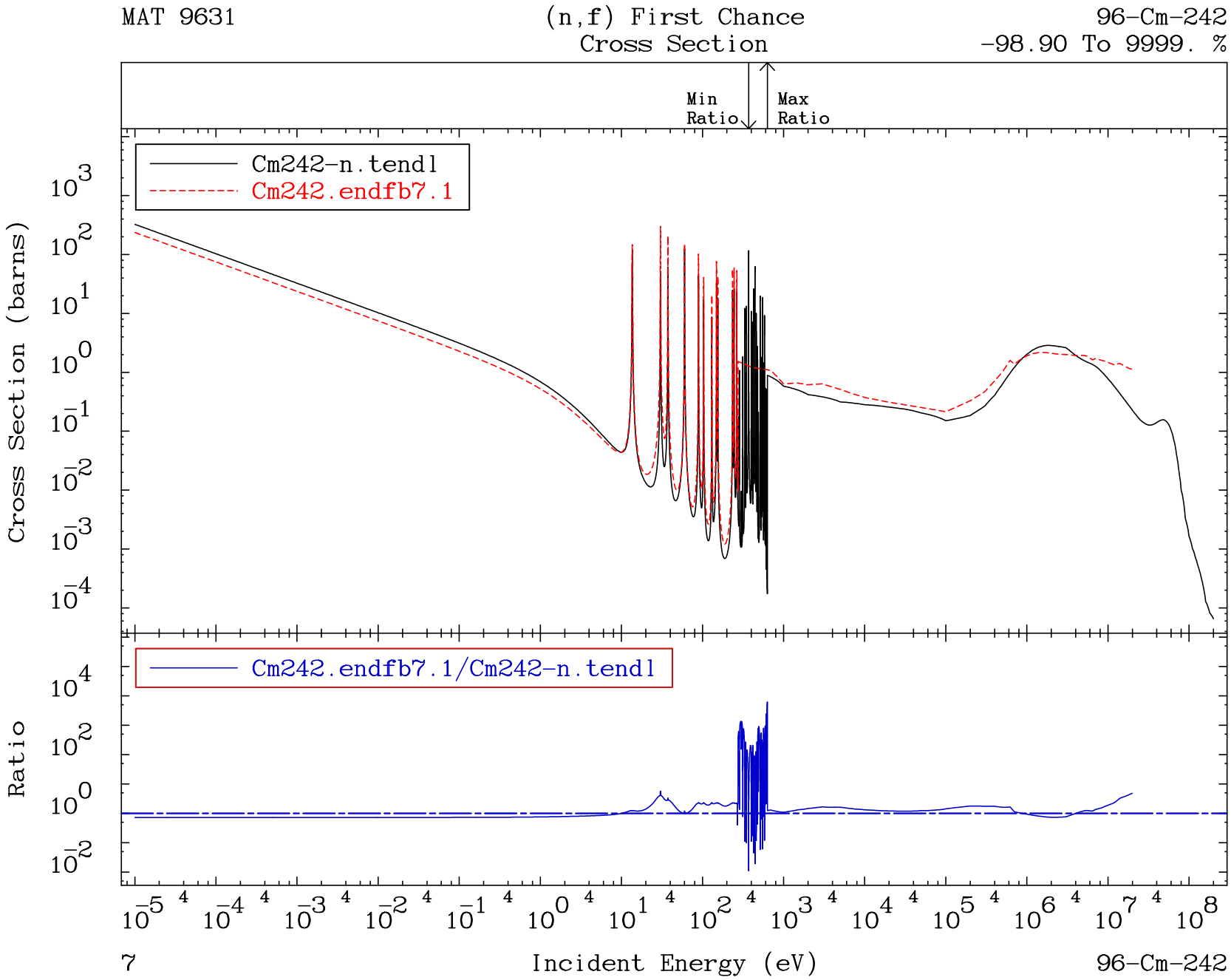

MAT 9631
Elastic
Cross Section
96-Cm-242
-93.01 To 527.1 %
Max Ratio
Min Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
2
96-Cm-242

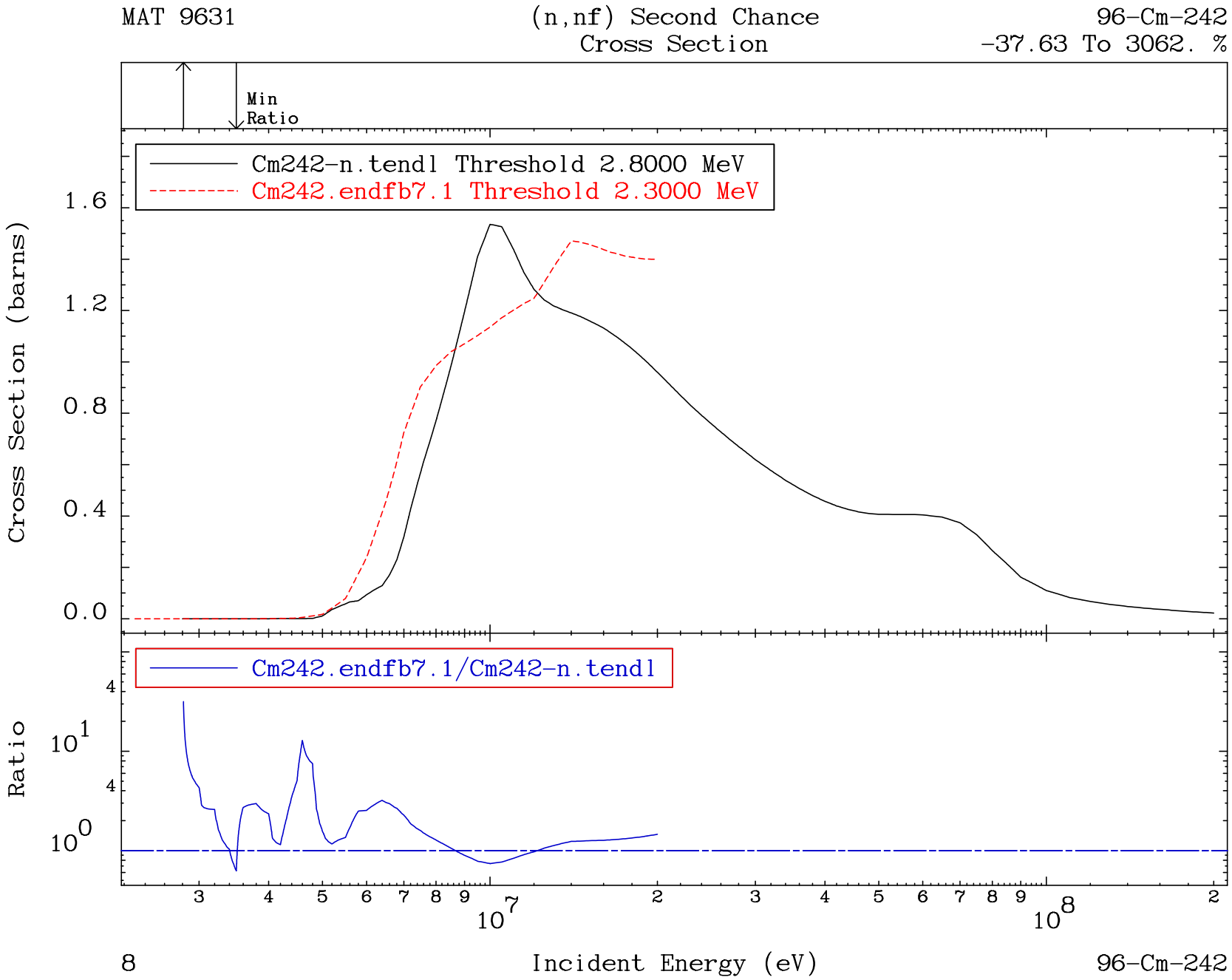

MAT 9631
Inelastic
Cross Section
96-Cm-242
-30.98 To 910.9 %
Max
Ratio
Min
Ratio
Cm242-n.tendl Threshold 42.306 keV
Cm242.endfb7.1 Threshold 42.306 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
2
10^1
6
4
2
10^0
6
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-242

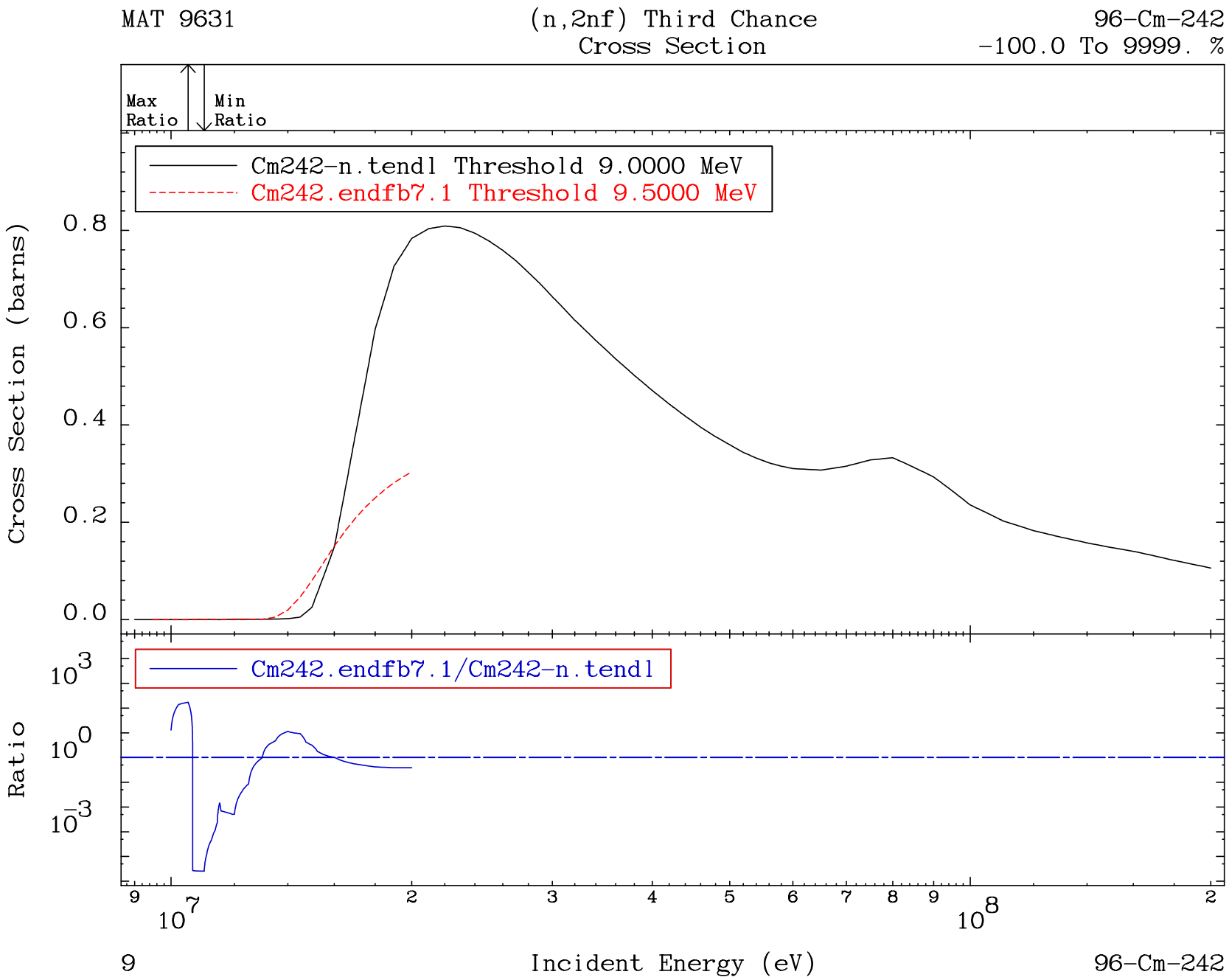

MAT 9631
(n,2n)
Cross Section
96-Cm-242
-85.03 To -21.63%
Max Ratio
Min Ratio
Cm242-n.tendl Threshold 6.9985 MeV
Cm242.endfb7.1 Threshold 6.9985 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
0.8
0.6
0.4
0.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
96-Cm-242

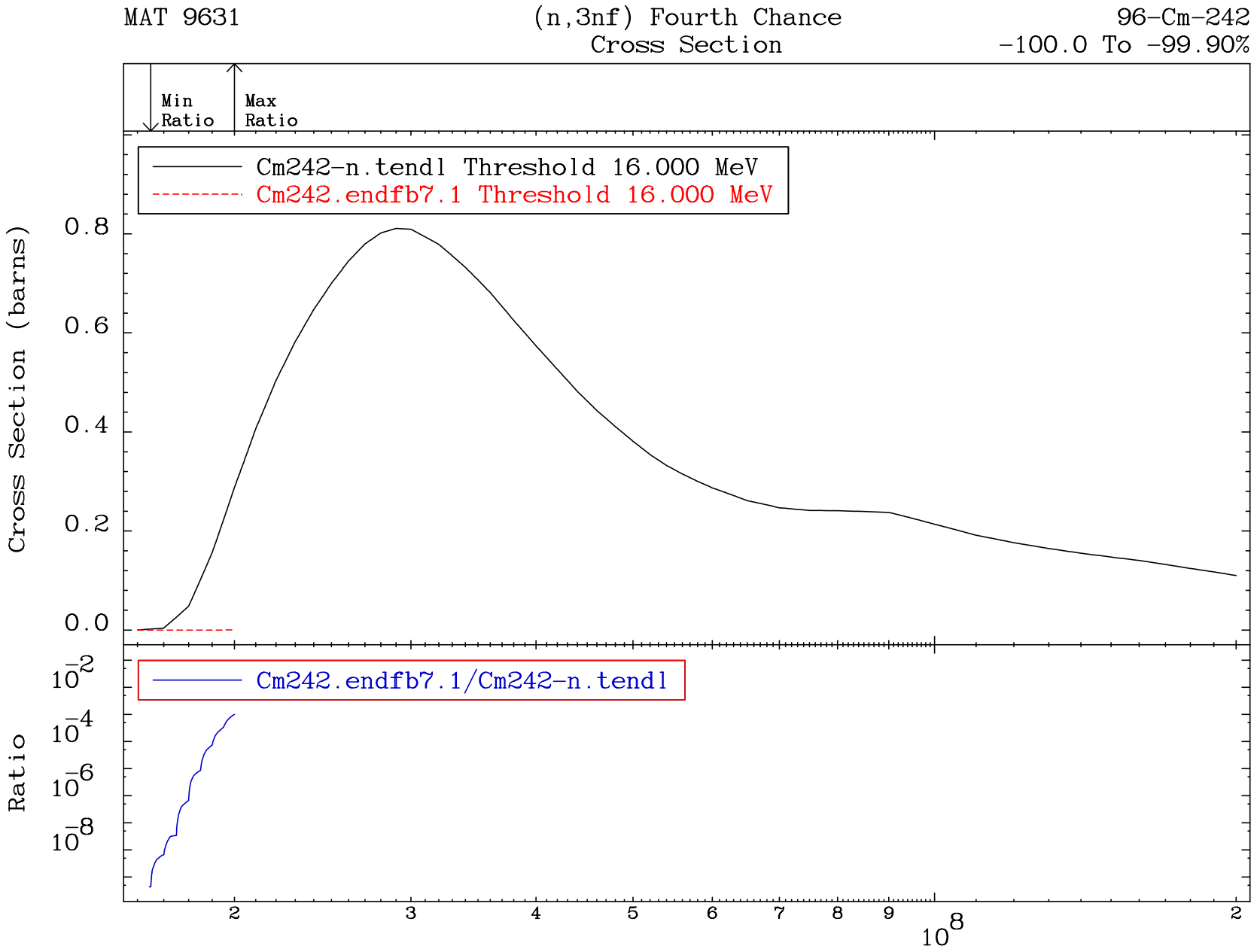

MAT 9631
(n,3n)
Cross Section
96-Cm-242
-98.35 To -82.71%
Min Ratio
Max Ratio
Cm242-n.tendl Threshold 13.117 MeV
Cm242.endfb7.1 Threshold 13.117 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^-1
2
6
4
2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
96-Cm-242

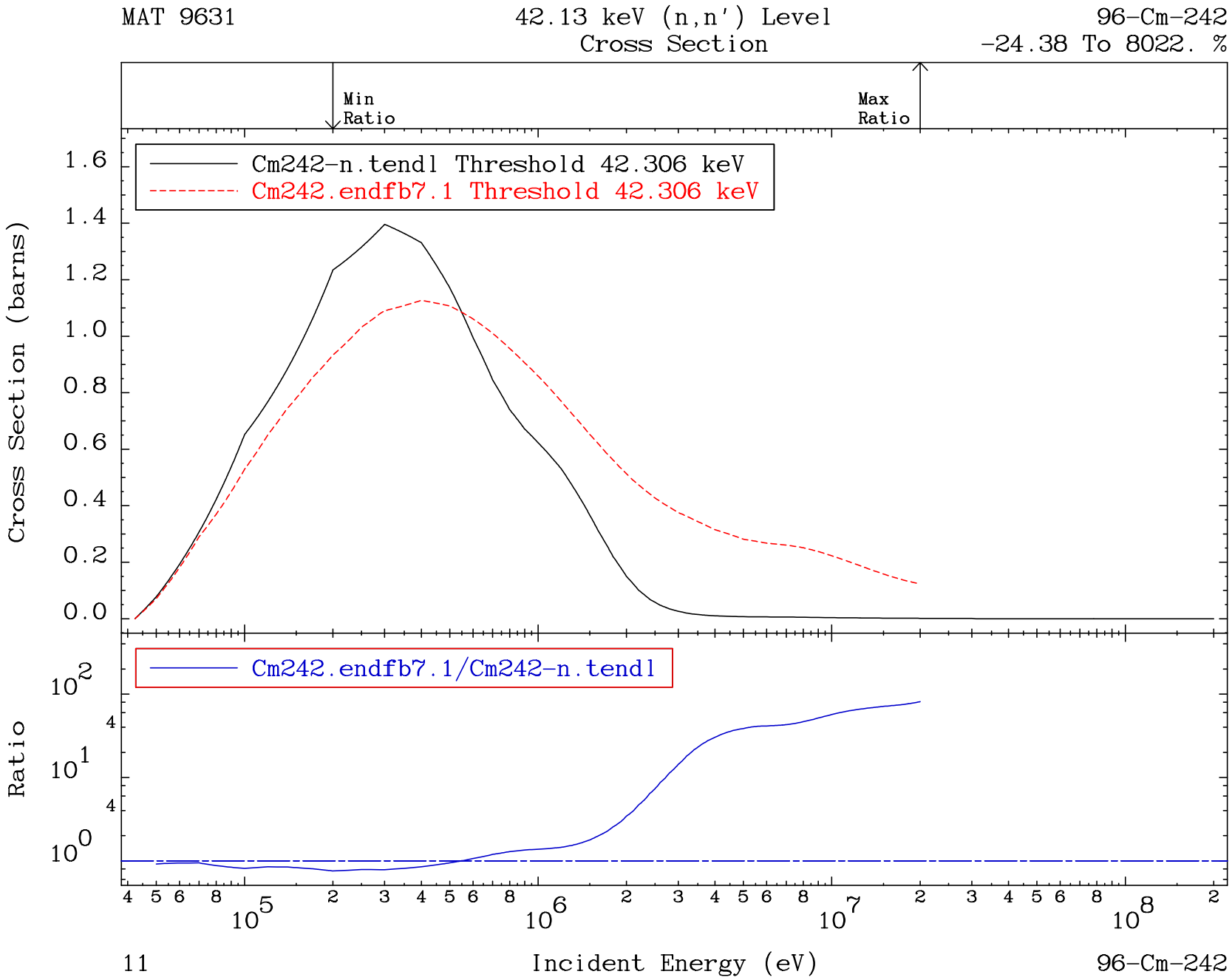

MAT 9631
Fission
Cross Section
96-Cm-242
-98.90 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
6
96-Cm-242

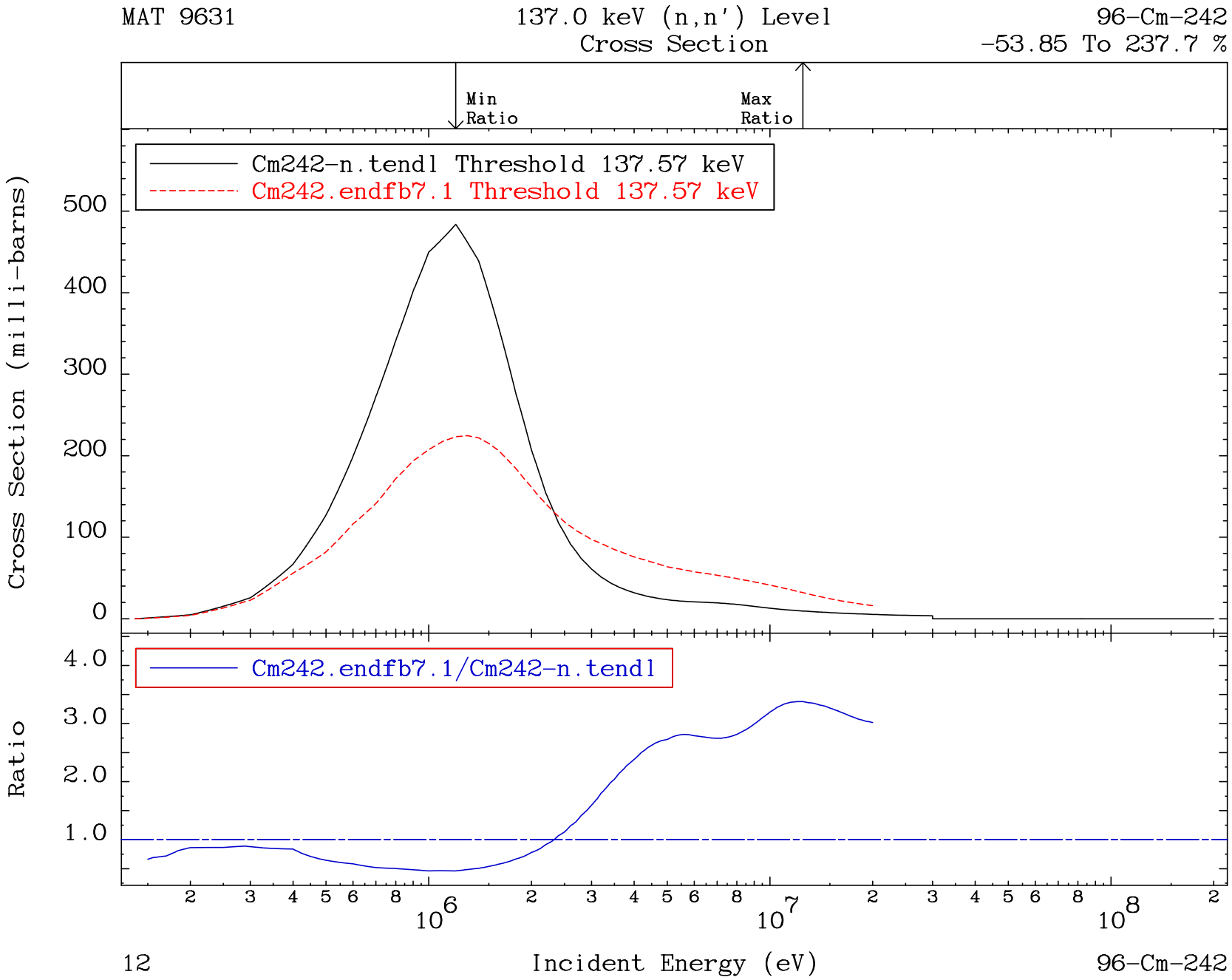

MAT 9631
(n,f) First Chance
Cross Section
96-Cm-242
-98.90 To 9999. %
Min
Ratio
Max
Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
7
96-Cm-242

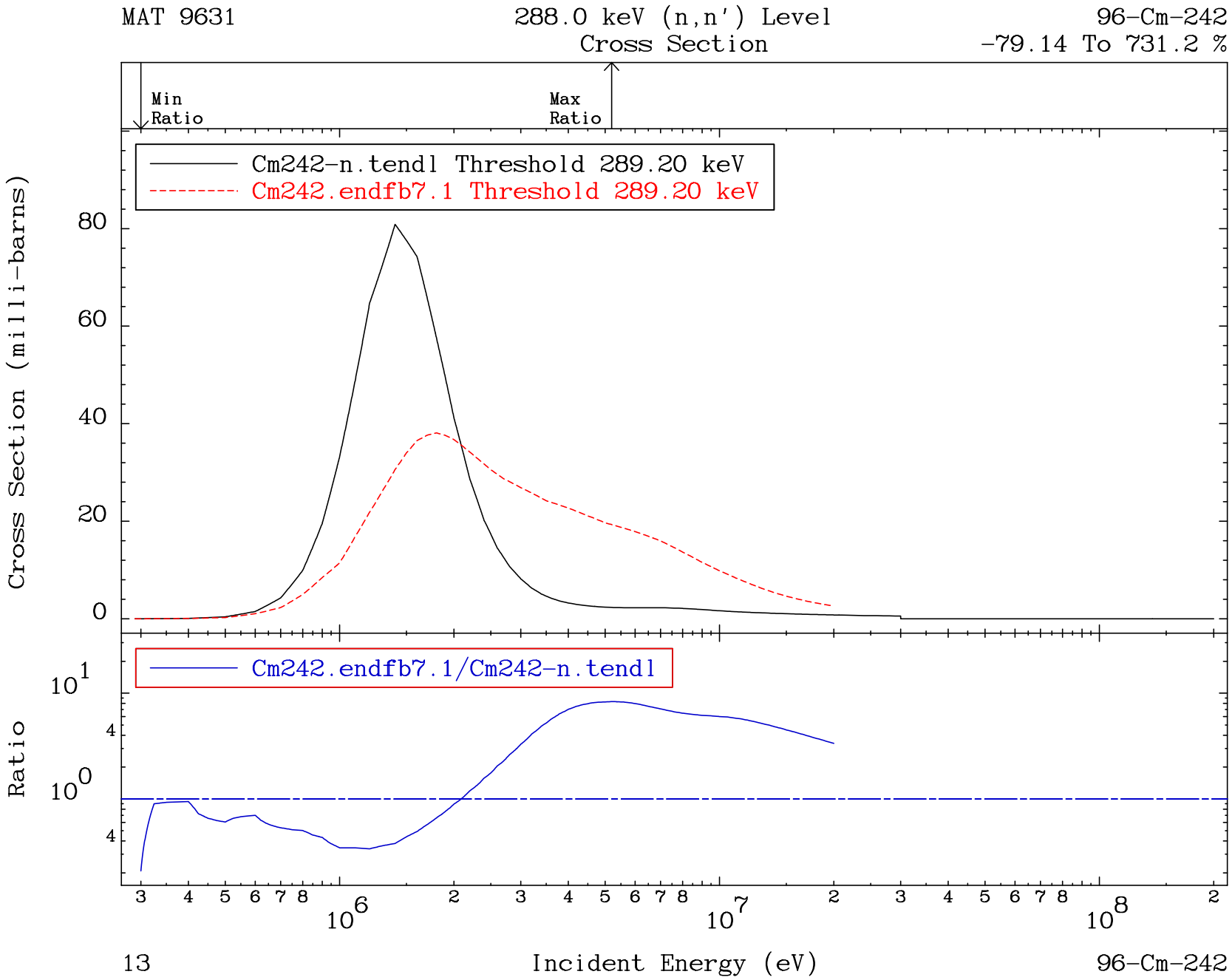

MAT 9631
(n,nf) Second Chance
Cross Section
96-Cm-242
-37.63 To 3062. %
Min
Ratio
Cm242-n.tendl Threshold 2.8000 MeV
Cm242.endfb7.1 Threshold 2.3000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
96-Cm-242

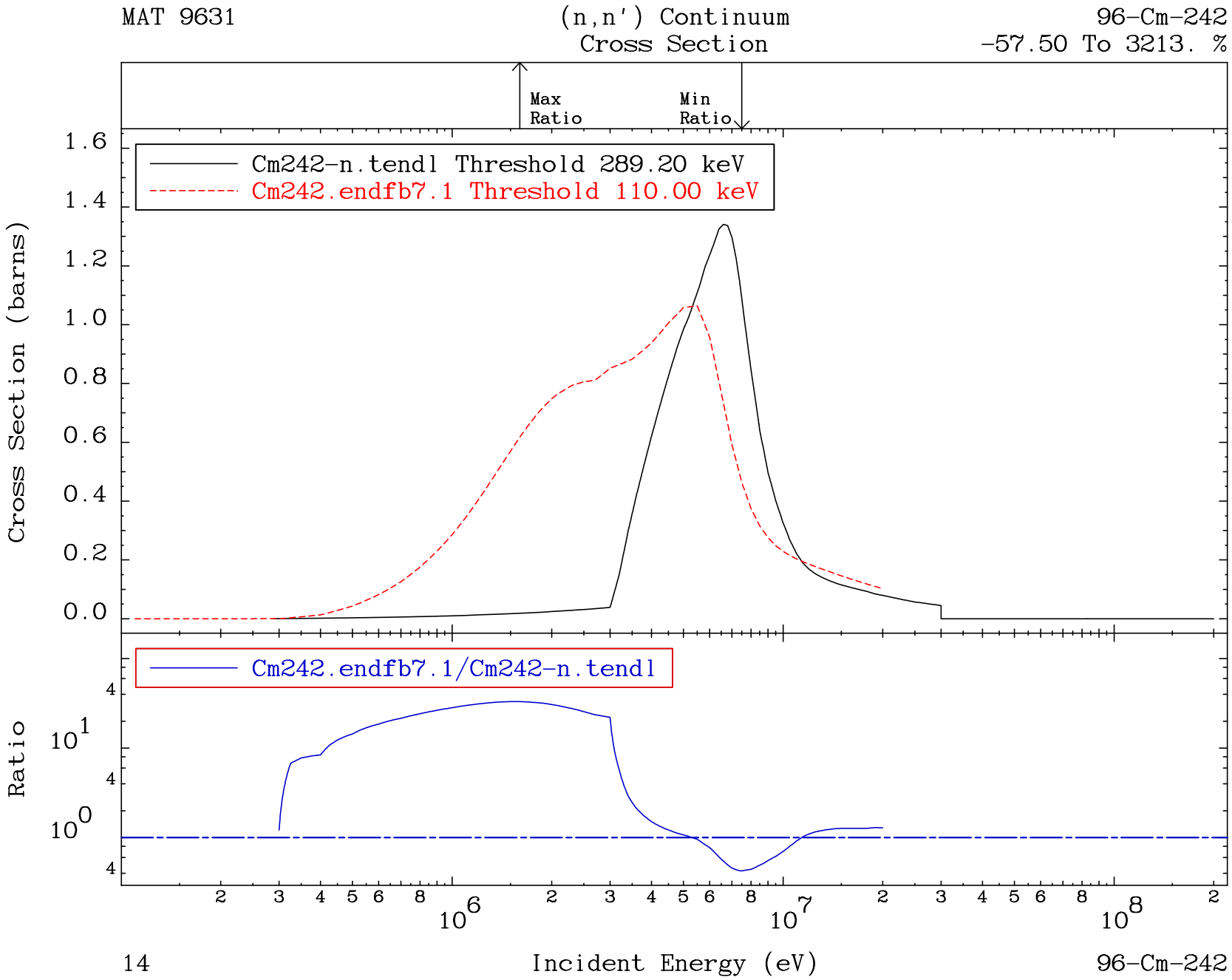

MAT 9631
(n,2nf) Third Chance
Cross Section
96-Cm-242
-100.0 To 9999. %
Max Ratio
Min Ratio
Cm242-n.tendl Threshold 9.0000 MeV
Cm242.endfb7.1 Threshold 9.5000 MeV
Cross Section (barns)
0.0
0.2
0.4
0.6
0.8
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^3
10^0
10^-3
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
96-Cm-242

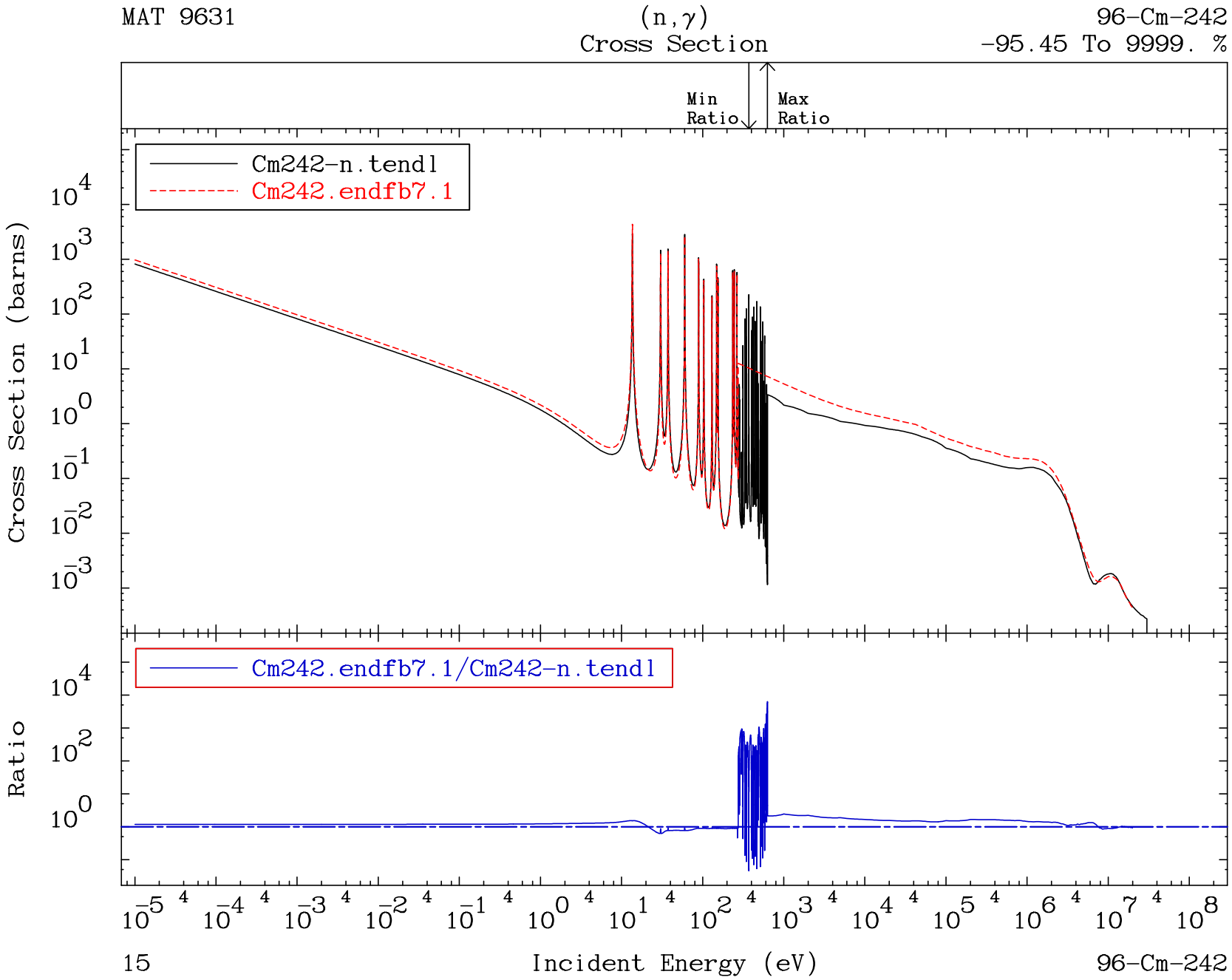

MAT 9631
(n,3nf) Fourth Chance
Cross Section
96-Cm-242
-100.0 To -99.90%
Min Ratio
Max Ratio
Cm242-n.tendl Threshold 16.000 MeV
Cm242.endfb7.1 Threshold 16.000 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^-2
10^-4
10^-6
10^-8
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
96-Cm-242

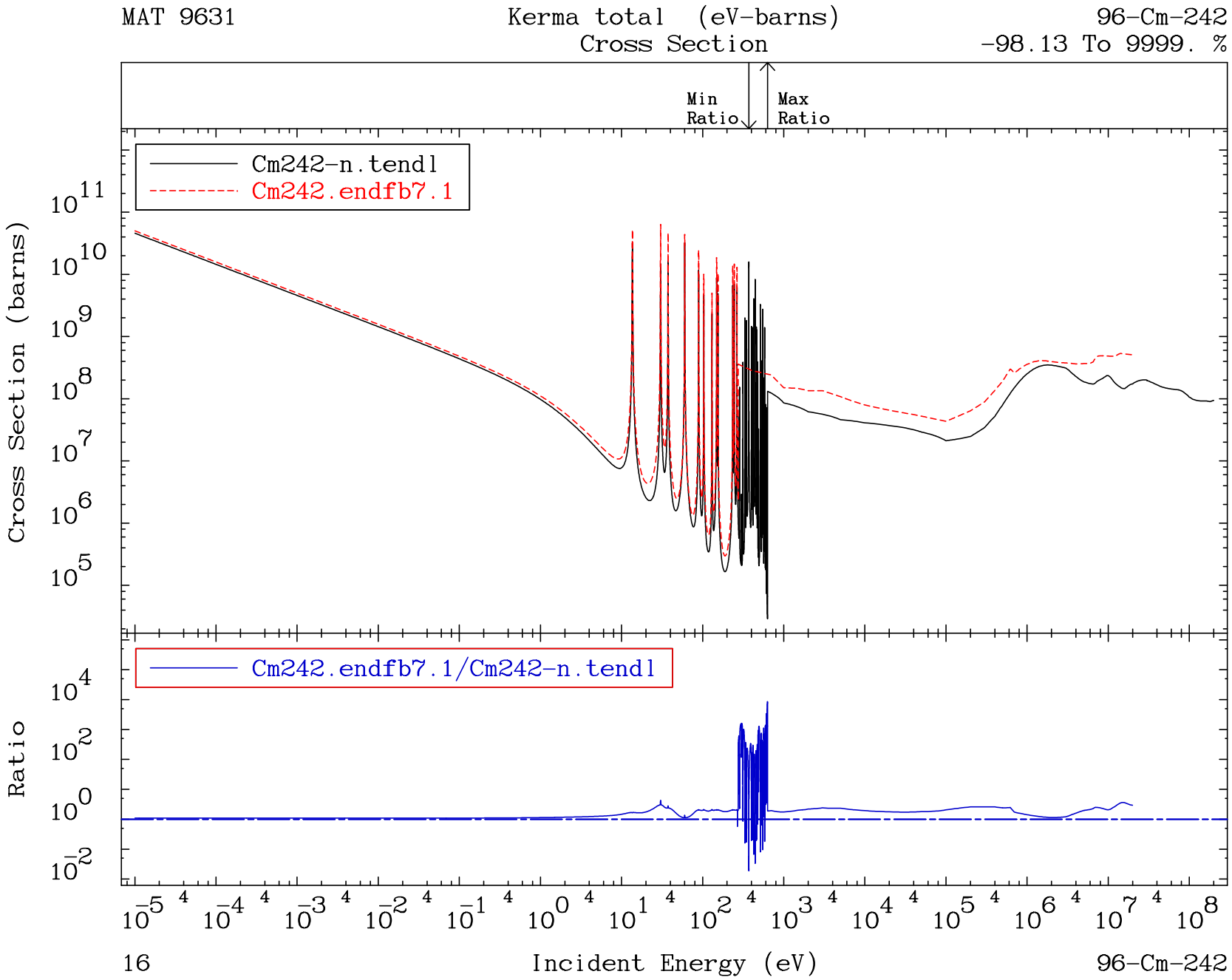

MAT 9631
42.13 keV (n,n') Level
Cross Section
96-Cm-242
-24.38 To 8022. %
Min
Ratio
Max
Ratio
Cm242-n.tendl Threshold 42.306 keV
Cm242.endfb7.1 Threshold 42.306 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^2
10^1
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
96-Cm-242

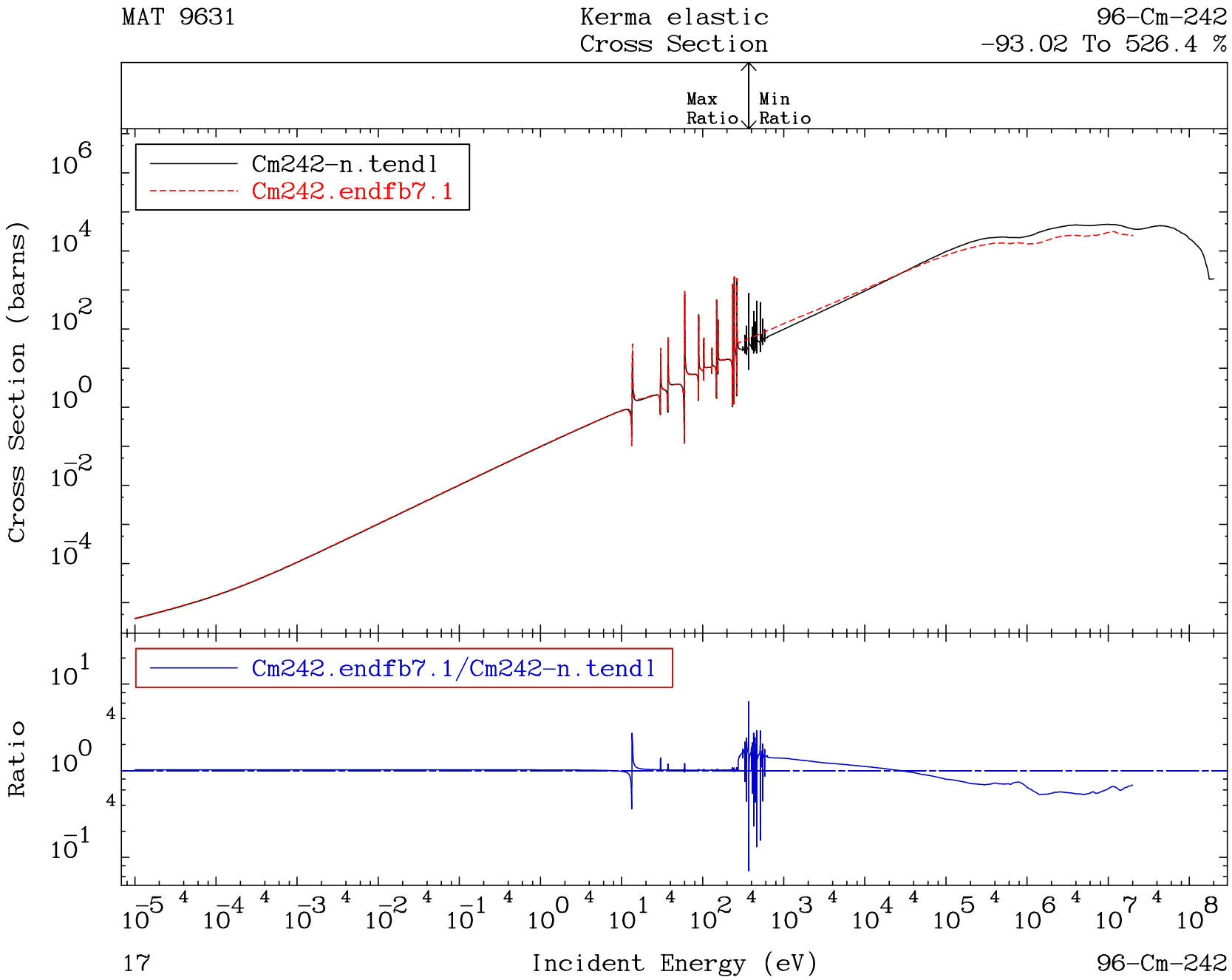

MAT 9631
137.0 keV (n,n') Level
Cross Section
96-Cm-242
-53.85 To 237.7 %
Min Ratio
Max Ratio
Cm242-n.tendl Threshold 137.57 keV
Cm242.endfb7.1 Threshold 137.57 keV
Cross Section (milli-barns)
500
400
300
200
100
0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
4.0
3.0
2.0
1.0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
96-Cm-242

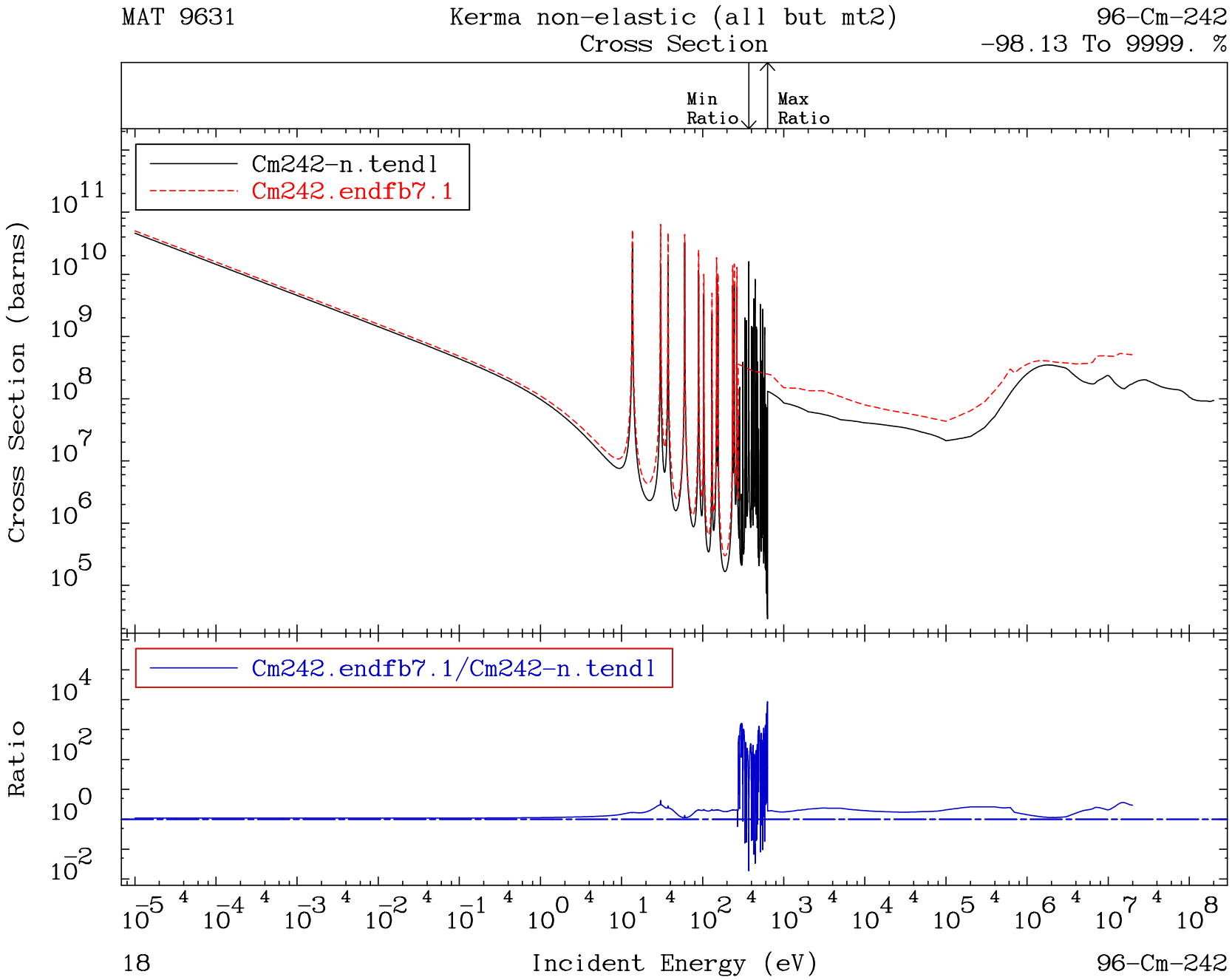

MAT 9631
288.0 keV (n,n') Level
Cross Section
96-Cm-242
-79.14 To 731.2 %
Min Ratio
Max Ratio
Cm242-n.tendl Threshold 289.20 keV
Cm242.endfb7.1 Threshold 289.20 keV
Cross Section (milli-barns)
80
60
40
20
0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^1
10^0
4
4
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
96-Cm-242

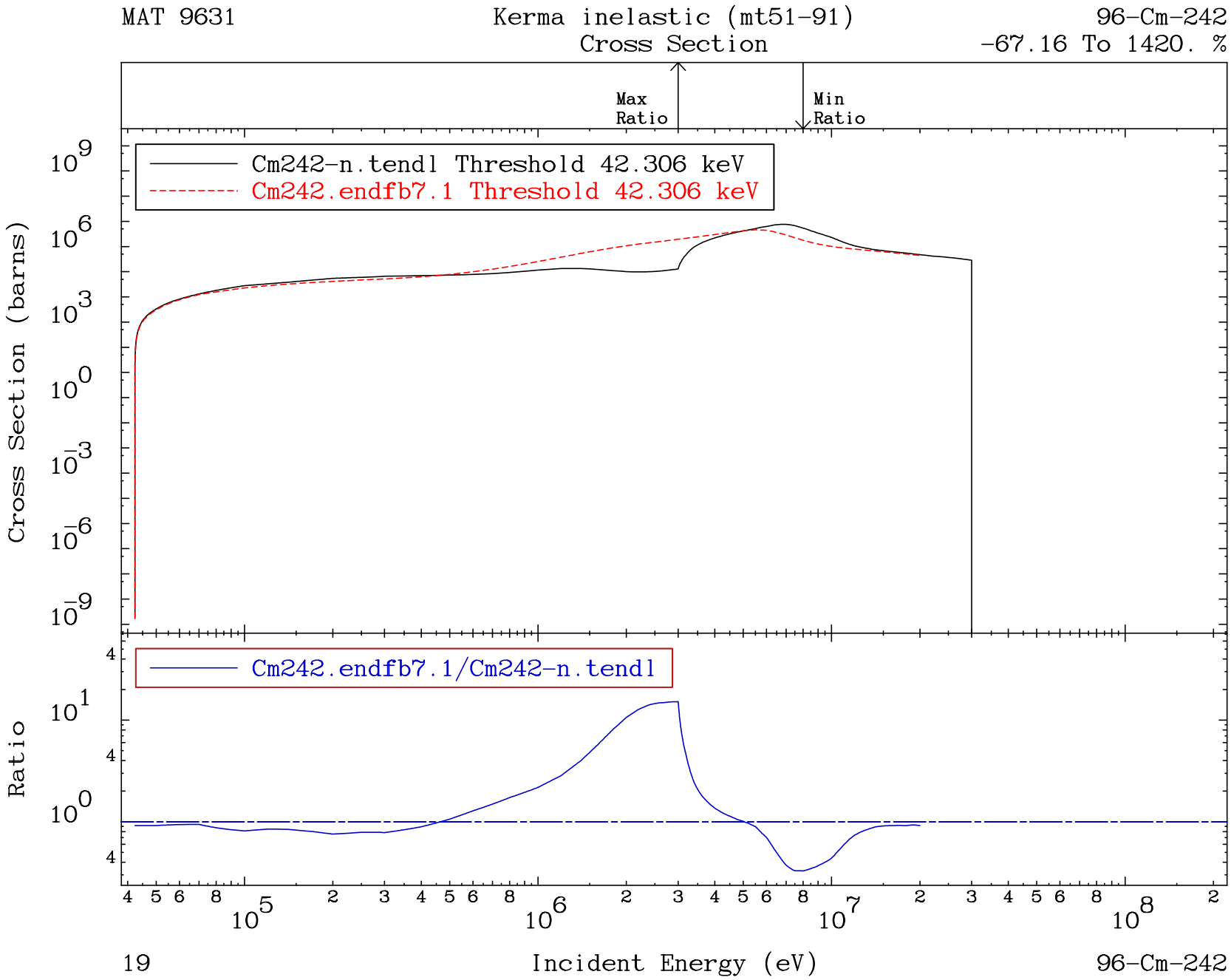

MAT 9631
(n,n') Continuum
Cross Section
96-Cm-242
-57.50 To 3213. %
Max Ratio
Min Ratio
Cm242-n.tendl Threshold 289.20 keV
Cm242.endfb7.1 Threshold 110.00 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Cm242.endfb7.1/Cm242-n.tendl
Ratio
10^1
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
96-Cm-242

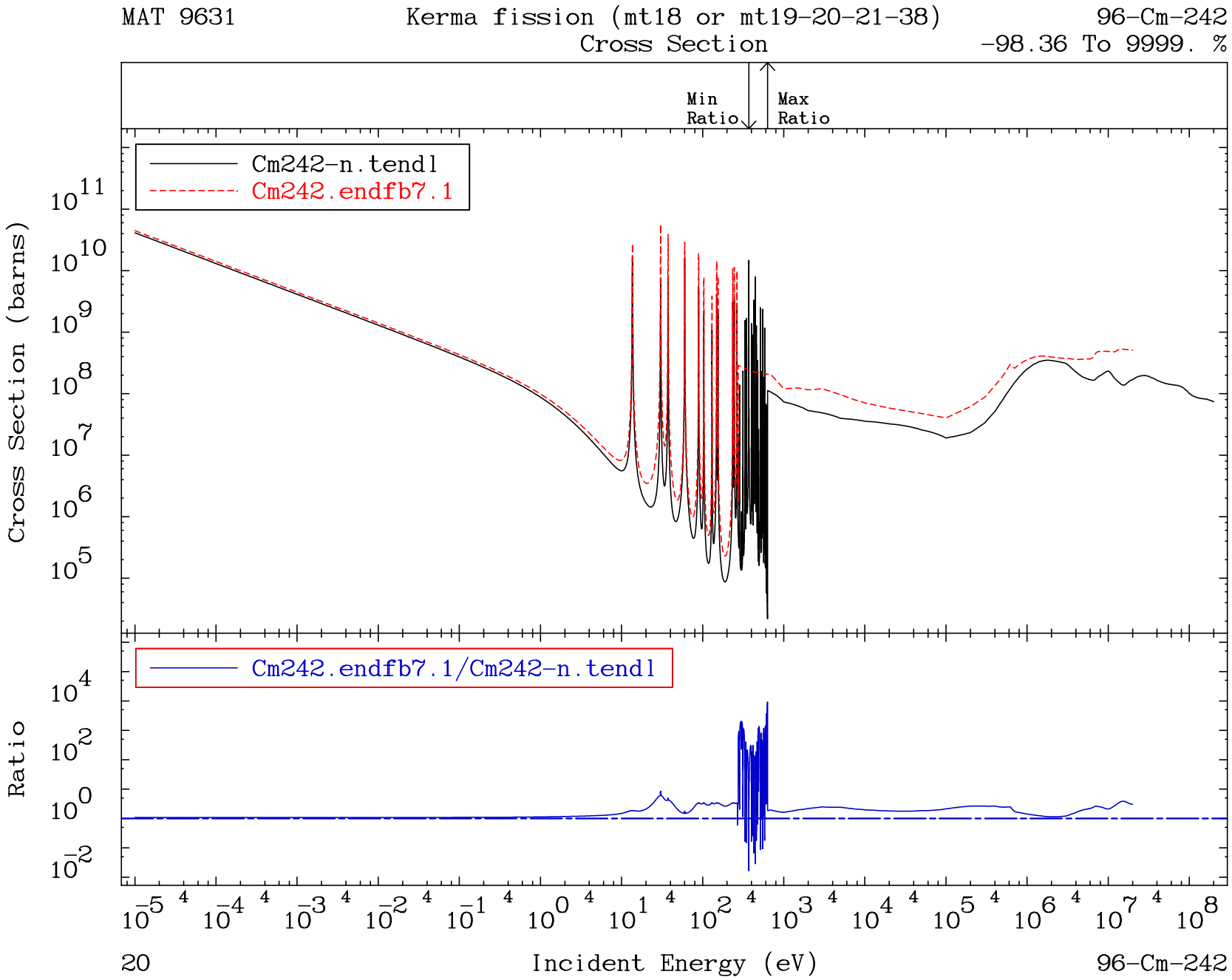

MAT 9631
(n,γ)
Cross Section
96-Cm-242
-95.45 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
15
96-Cm-242

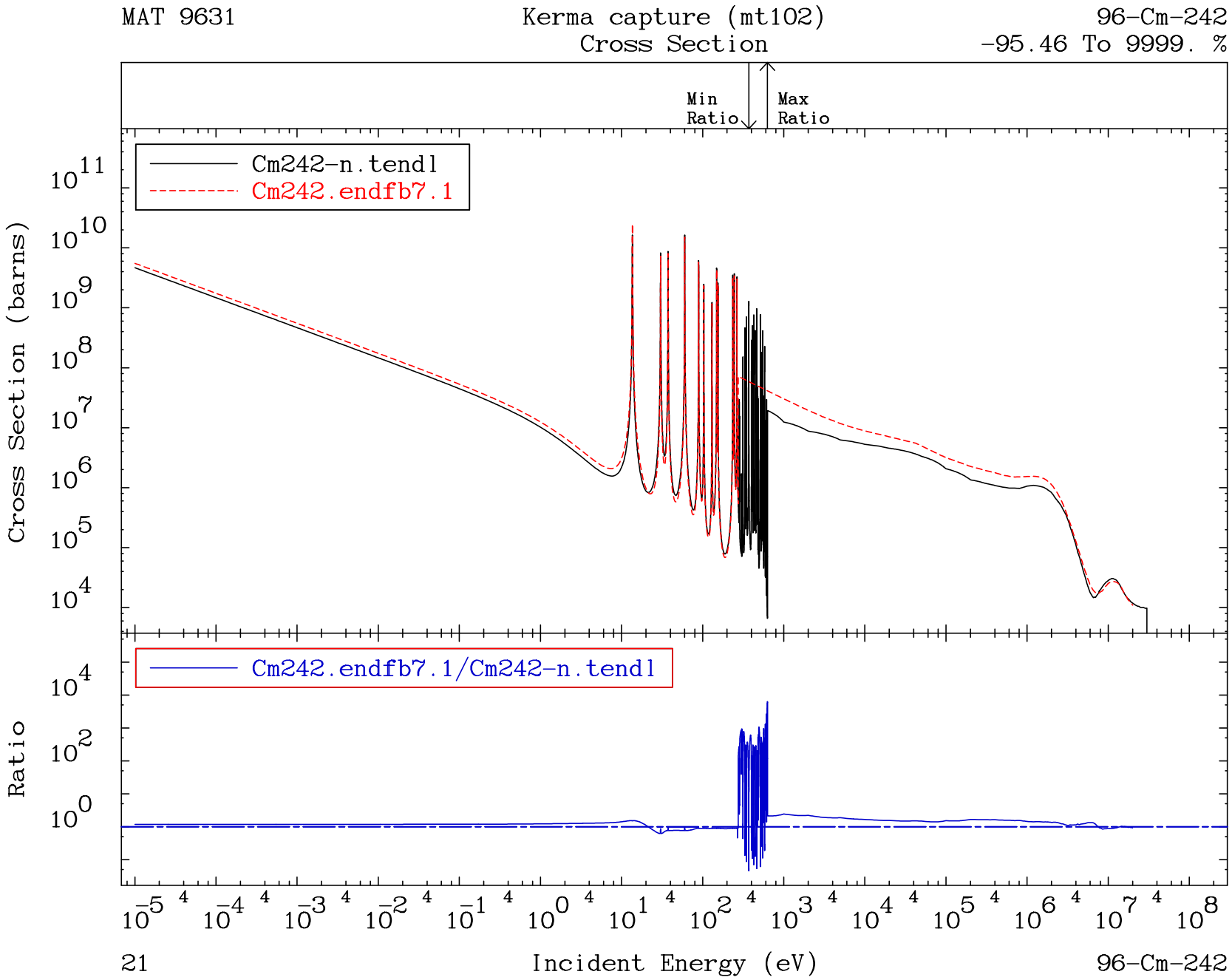

MAT 9631
Kerma total (eV-barns)
Cross Section
96-Cm-242
-98.13 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
16
96-Cm-242

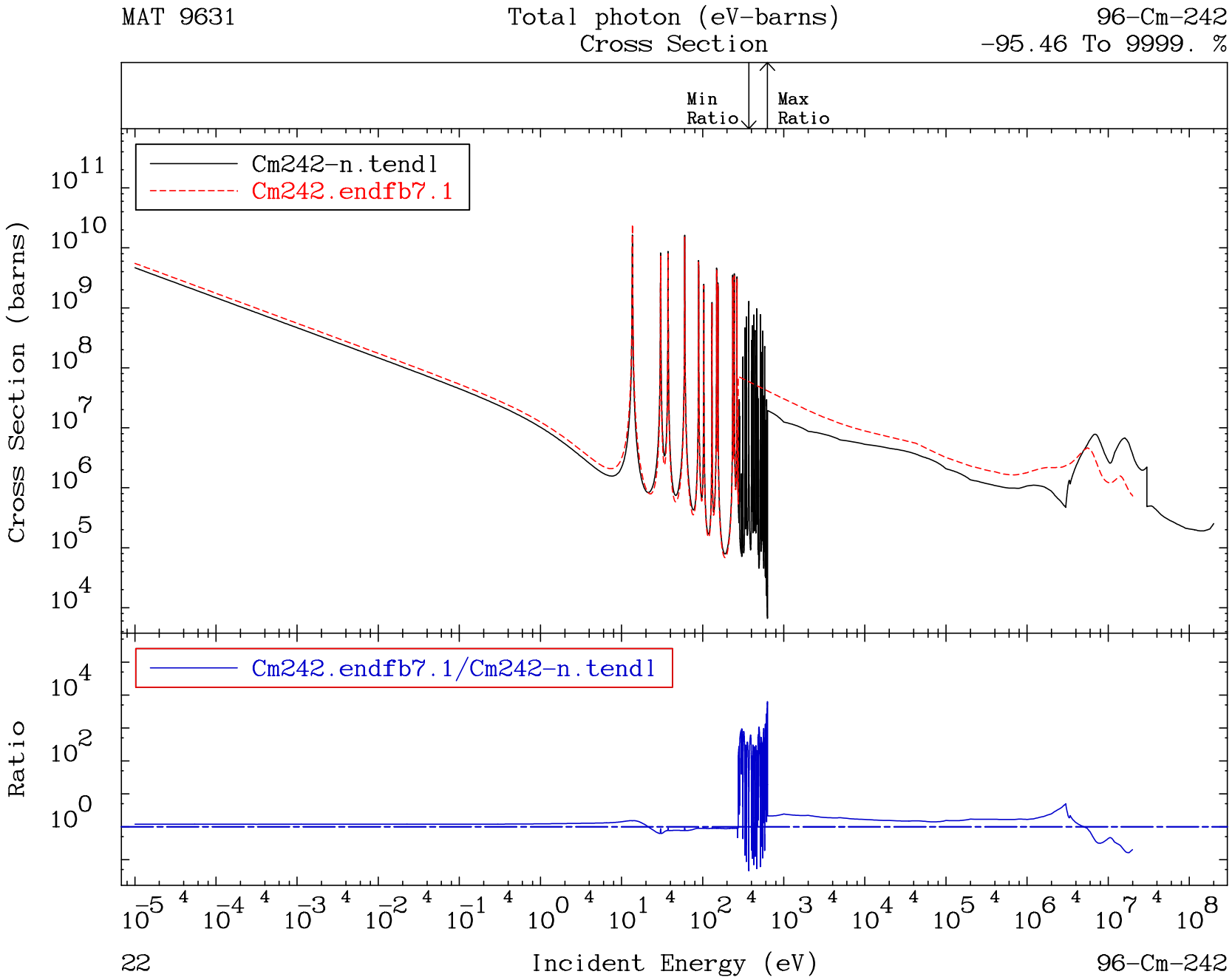

MAT 9631
Kerma elastic
Cross Section
96-Cm-242
-93.02 To 526.4 %
Max Ratio
Min Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
17
96-Cm-242

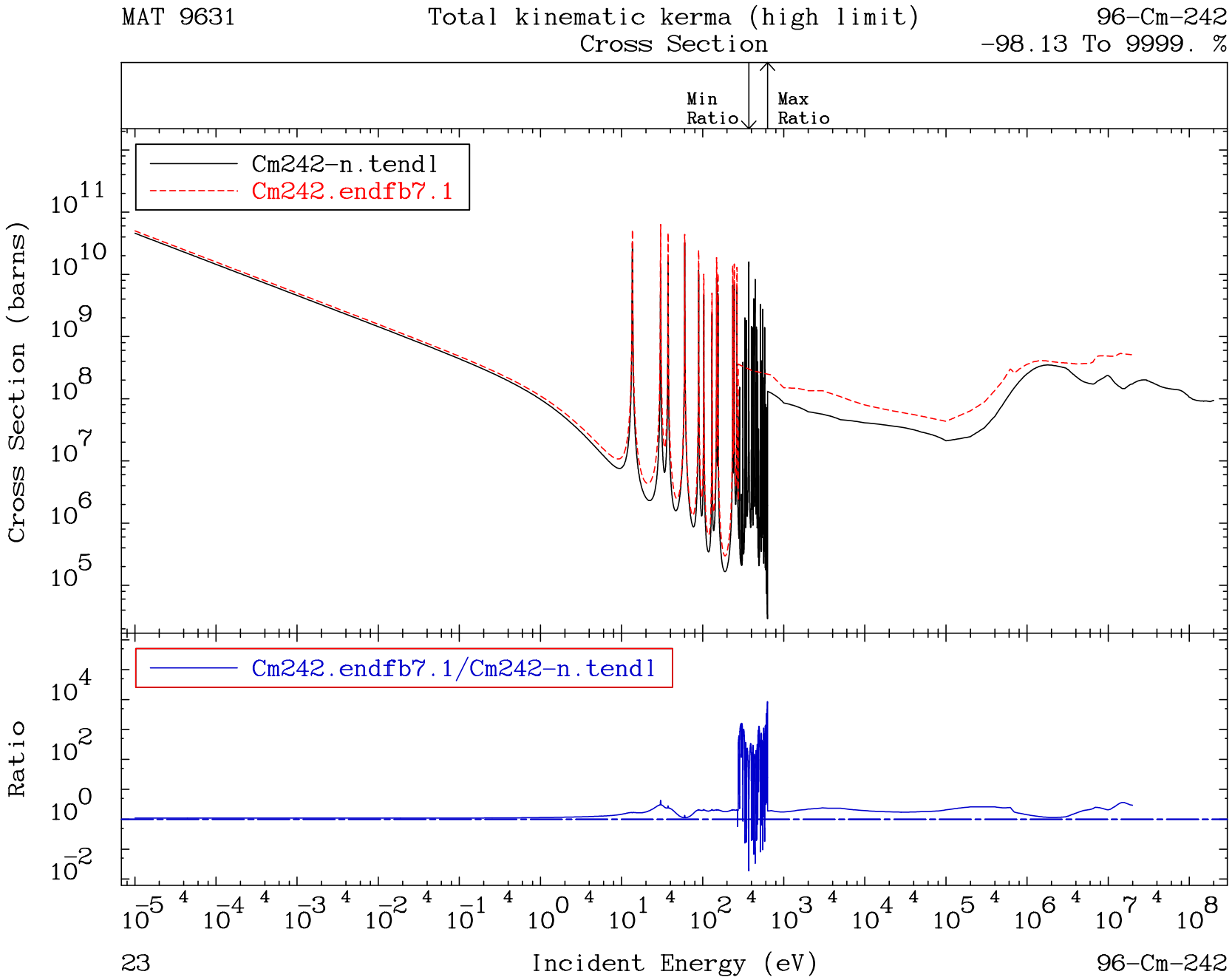

MAT 9631
Kerma non-elastic (all but mt2)
Cross Section
96-Cm-242
-98.13 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
18
96-Cm-242

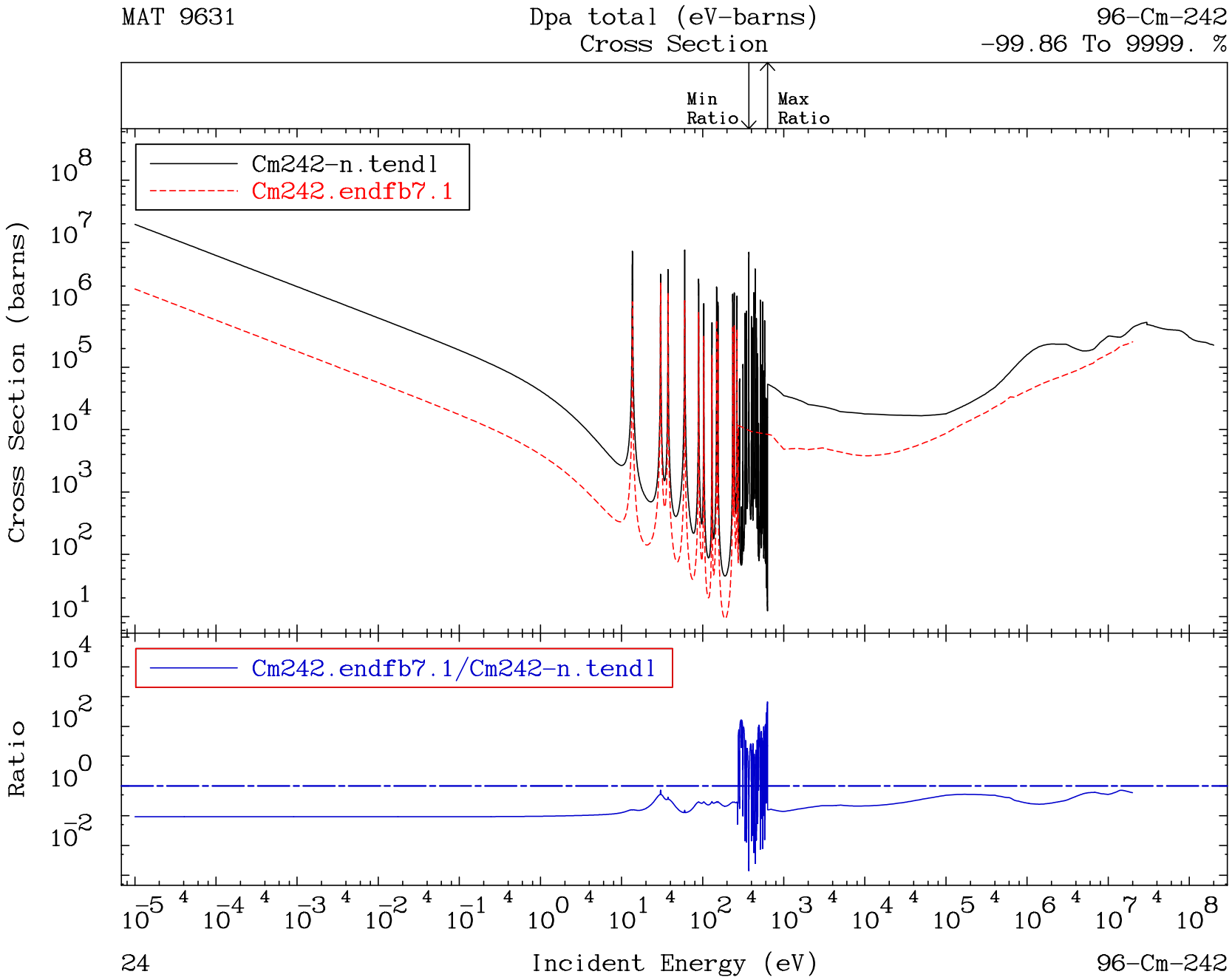

MAT 9631
Kerma inelastic (mt51-91)
Cross Section
96-Cm-242
-67.16 To 1420. %
Max Ratio
Min Ratio
Cm242-n.tendl Threshold 42.306 keV
Cm242.endfb7.1 Threshold 42.306 keV
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
19
96-Cm-242

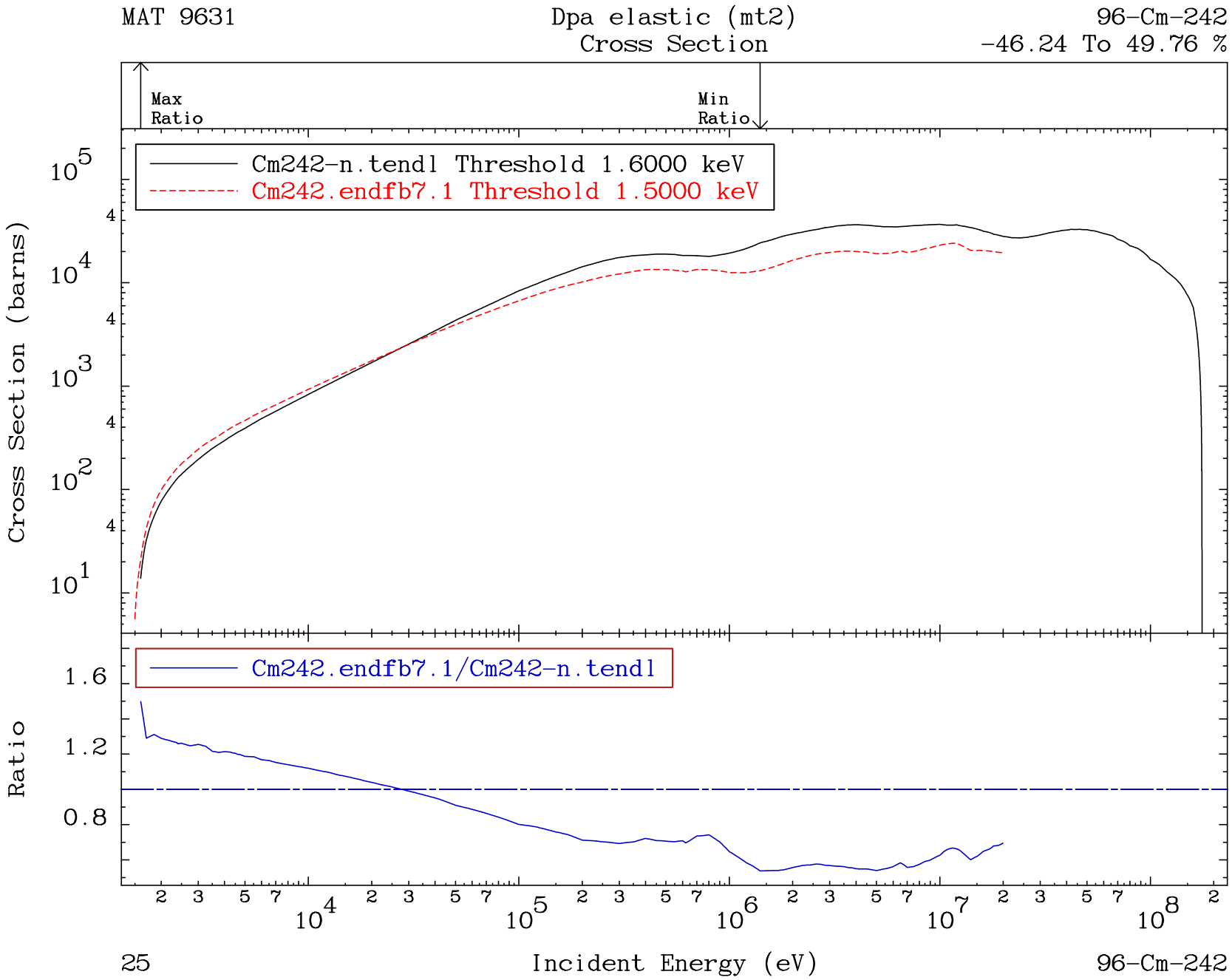

MAT 9631
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
96-Cm-242
-98.36 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
20
96-Cm-242

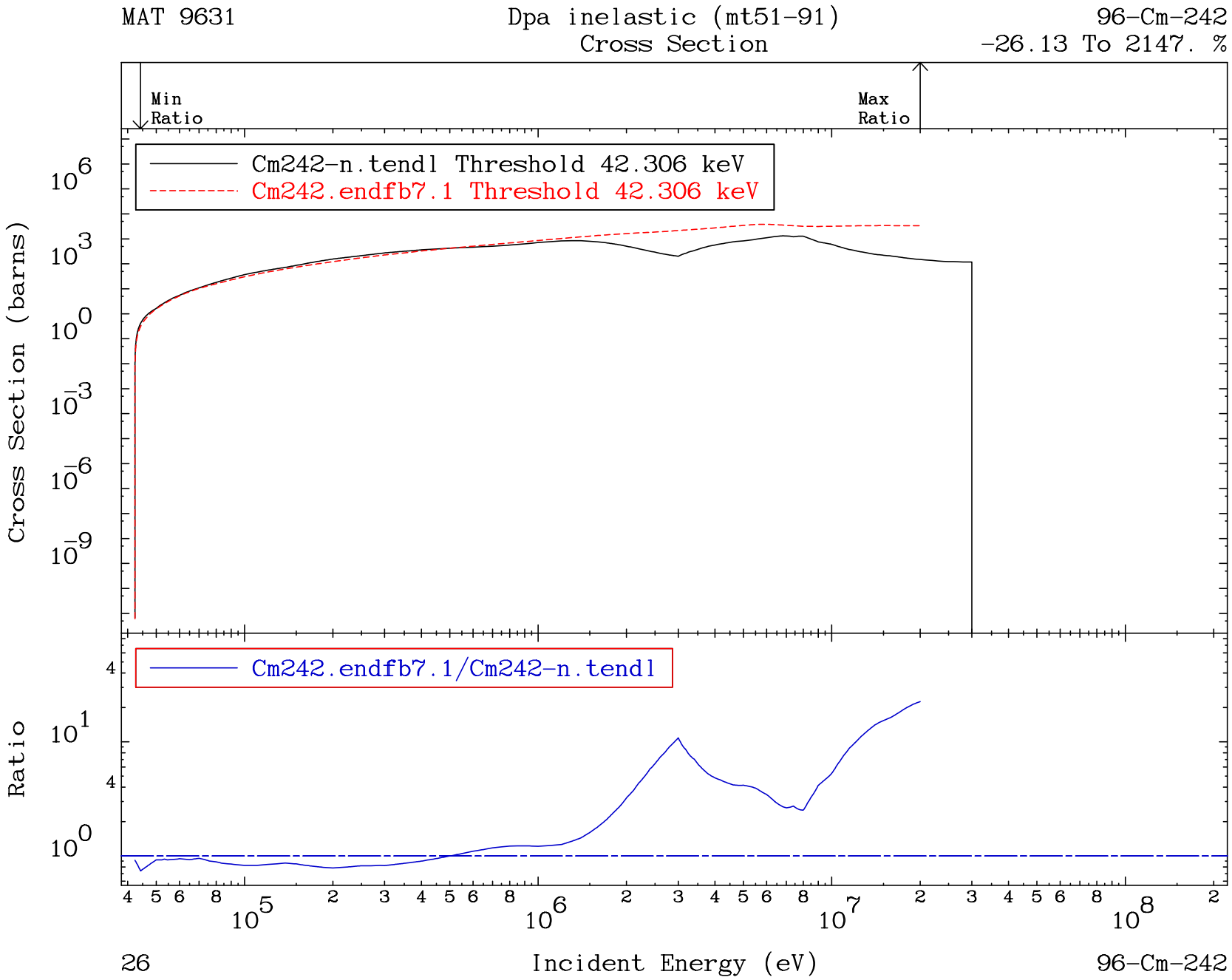

MAT 9631
Kerma capture (mt102)
Cross Section
96-Cm-242
-95.46 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
21
96-Cm-242

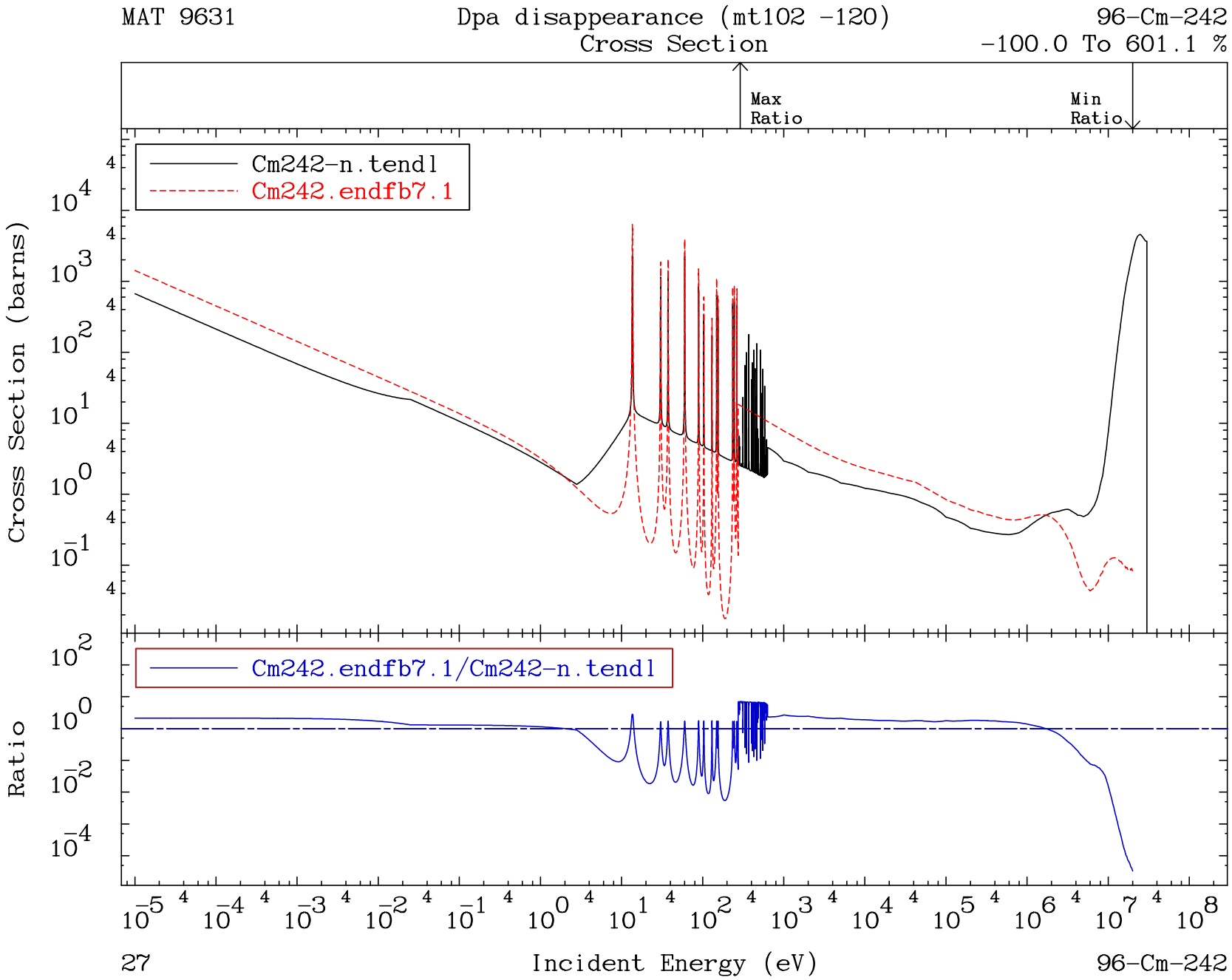

MAT 9631
Total photon (eV-barns)
Cross Section
96-Cm-242
-95.46 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
22
96-Cm-242


MAT 9631
Total kinematic kerma (high limit)
Cross Section
96-Cm-242
-98.13 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
23
96-Cm-242


MAT 9631
Dpa total (eV-barns)
Cross Section
96-Cm-242
-99.86 To 9999. %
Min Ratio
Max Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
24
96-Cm-242


MAT 9631
Dpa elastic (mt2)
Cross Section
96-Cm-242
-46.24 To 49.76 %
Max Ratio
Min Ratio
Cm242-n.tendl Threshold 1.6000 keV
Cm242.endfb7.1 Threshold 1.5000 keV
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
25
96-Cm-242


MAT 9631
Dpa inelastic (mt51-91)
Cross Section
96-Cm-242
-26.13 To 2147. %
Min Ratio
Max Ratio
Cm242-n.tendl Threshold 42.306 keV
Cm242.endfb7.1 Threshold 42.306 keV
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
26
96-Cm-242


MAT 9631
Dpa disappearance (mt102 -120)
Cross Section
96-Cm-242
-100.0 To 601.1 %
Max Ratio
Min Ratio
Cm242-n.tendl
Cm242.endfb7.1
Cross Section (barns)
Cm242.endfb7.1/Cm242-n.tendl
Ratio
Incident Energy (eV)
27
96-Cm-242