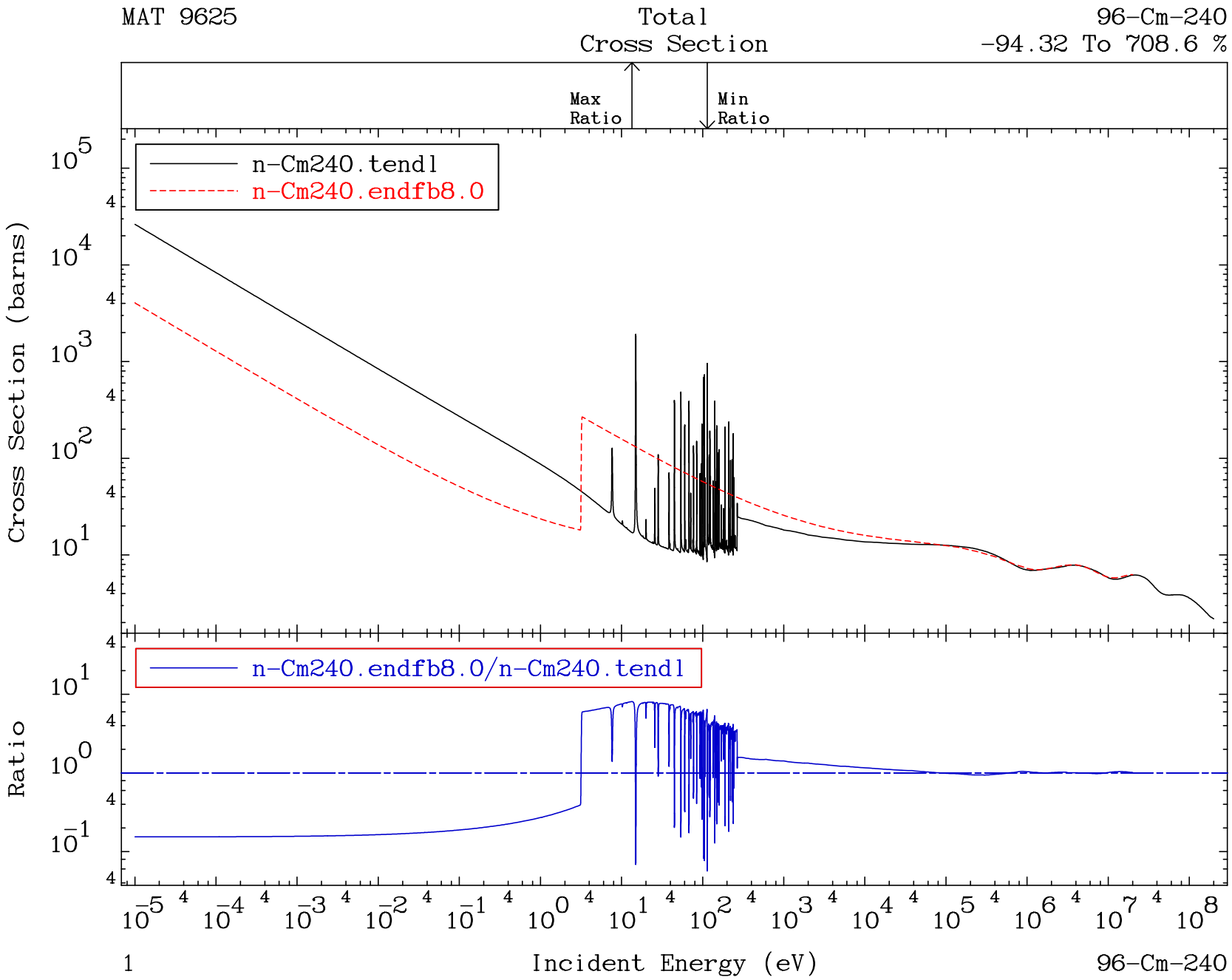
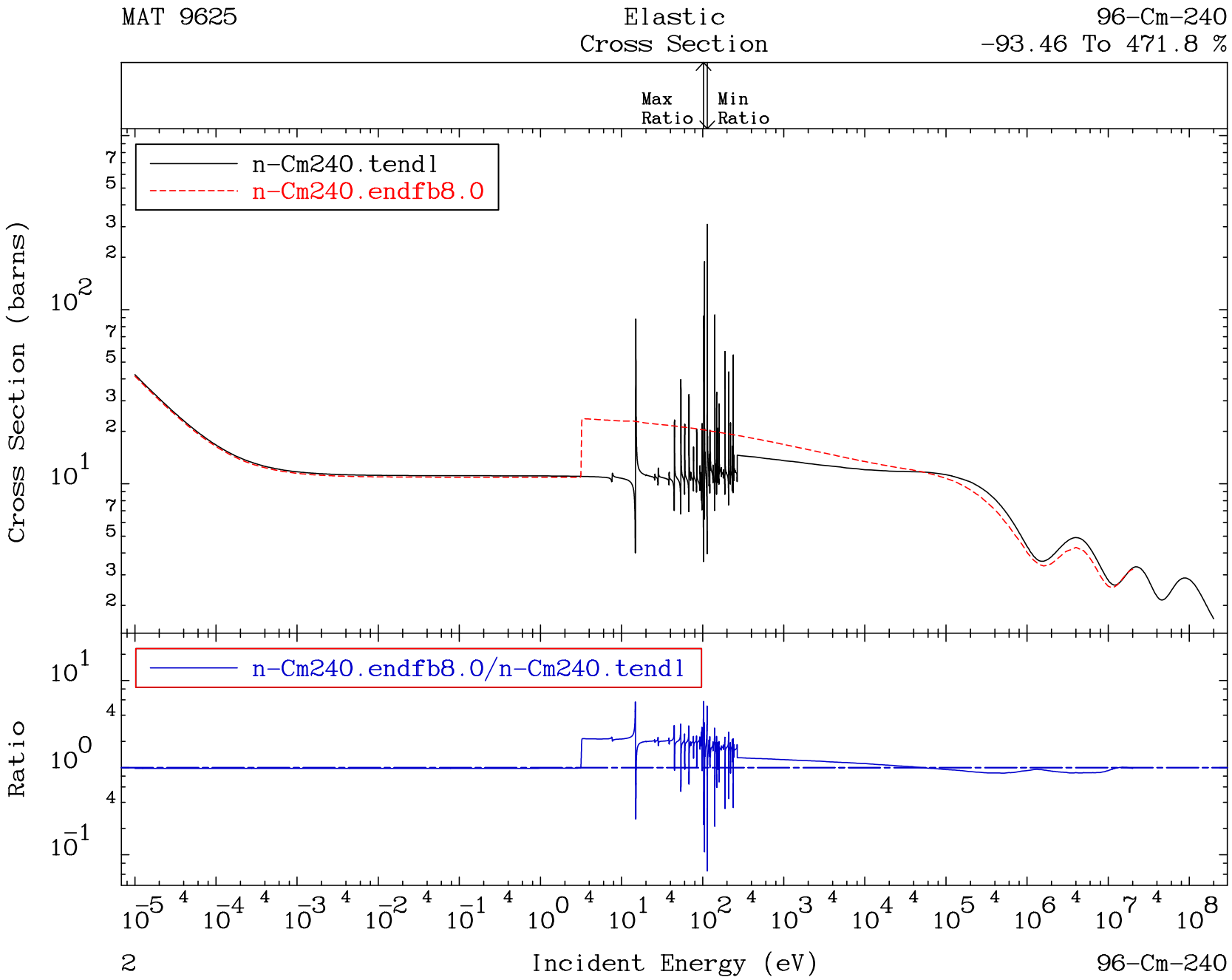
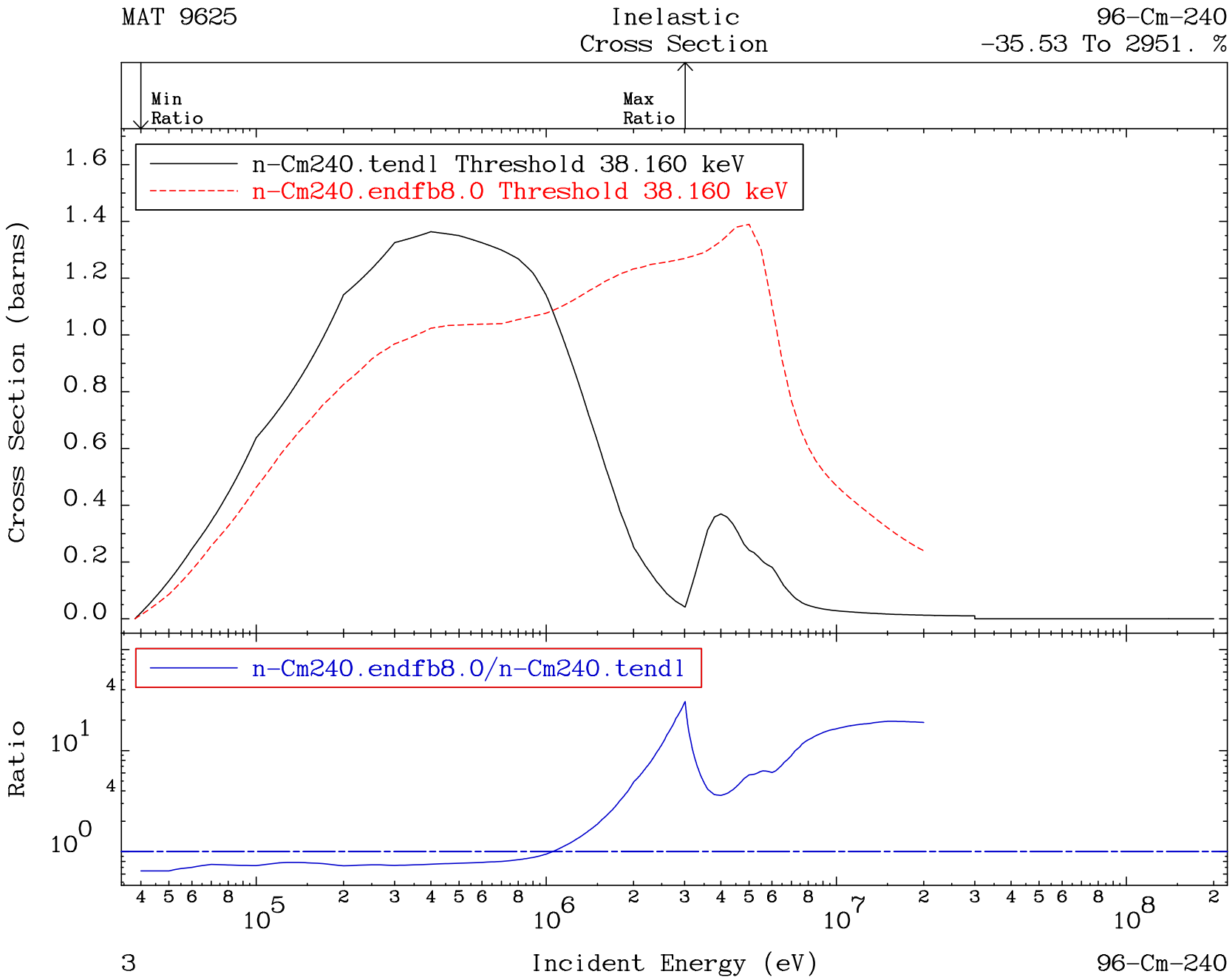
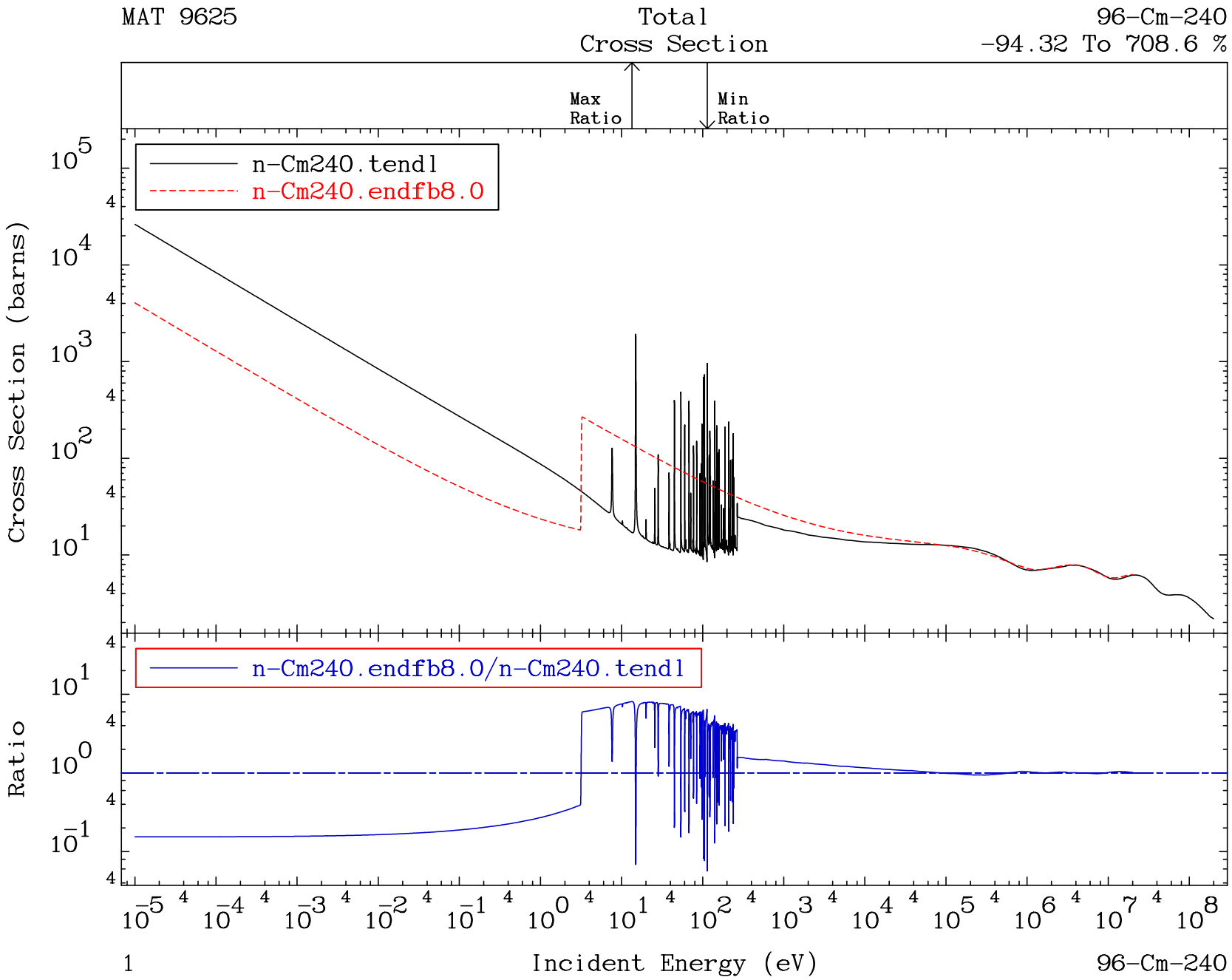
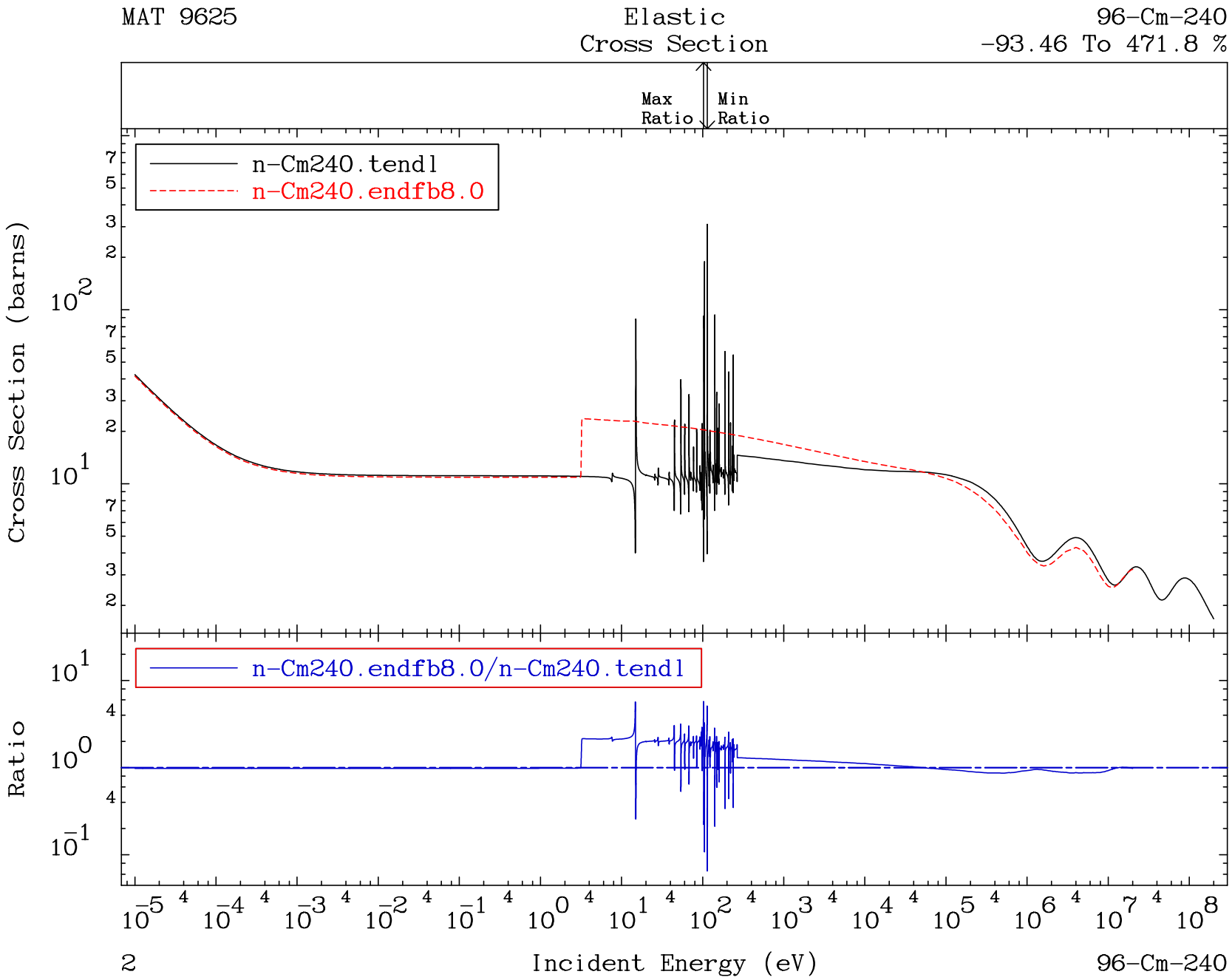
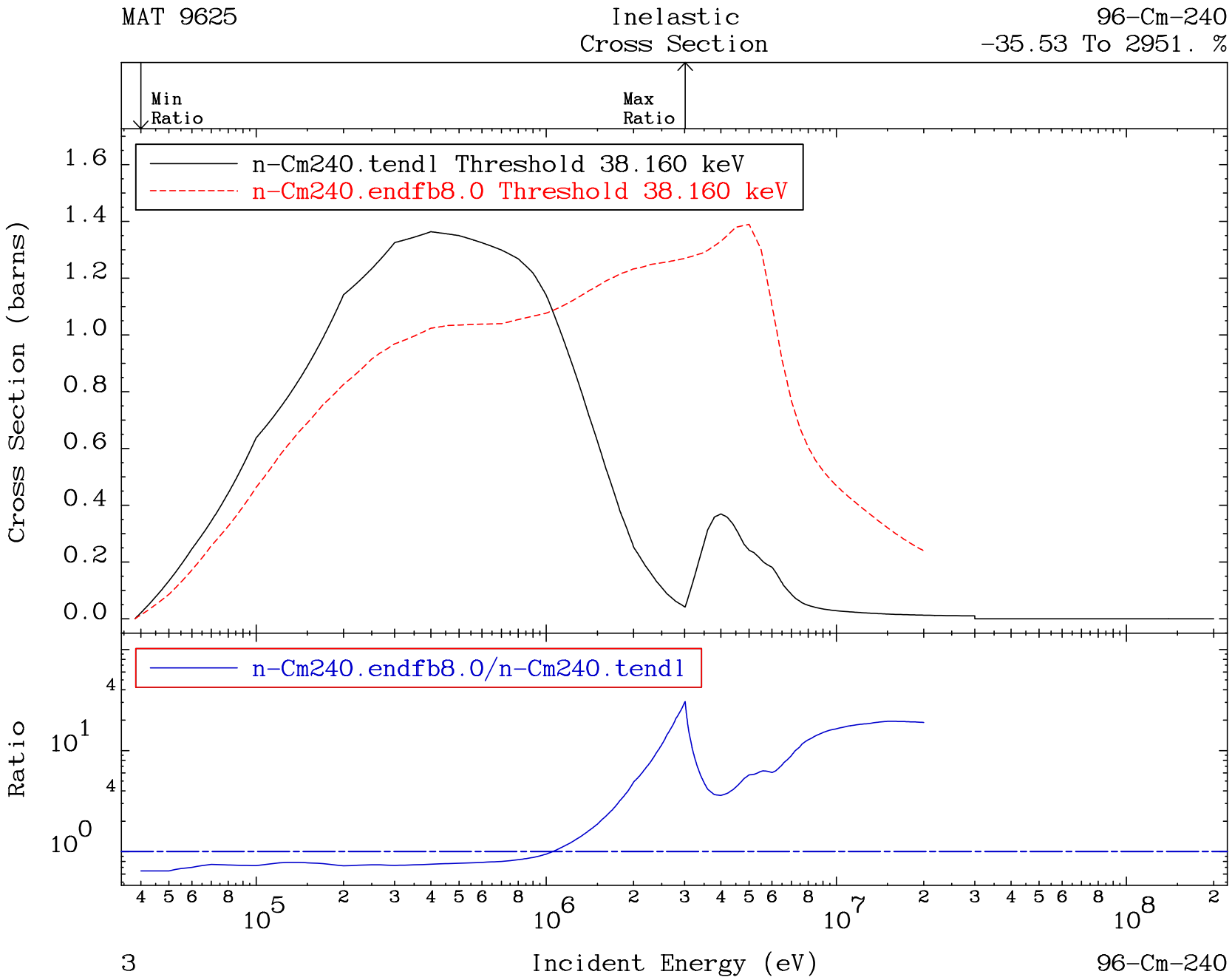

MAT 9625
Total
Cross Section
96-Cm-240
-94.32 To 708.6 %
Max
Ratio
Min
Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
1
96-Cm-240

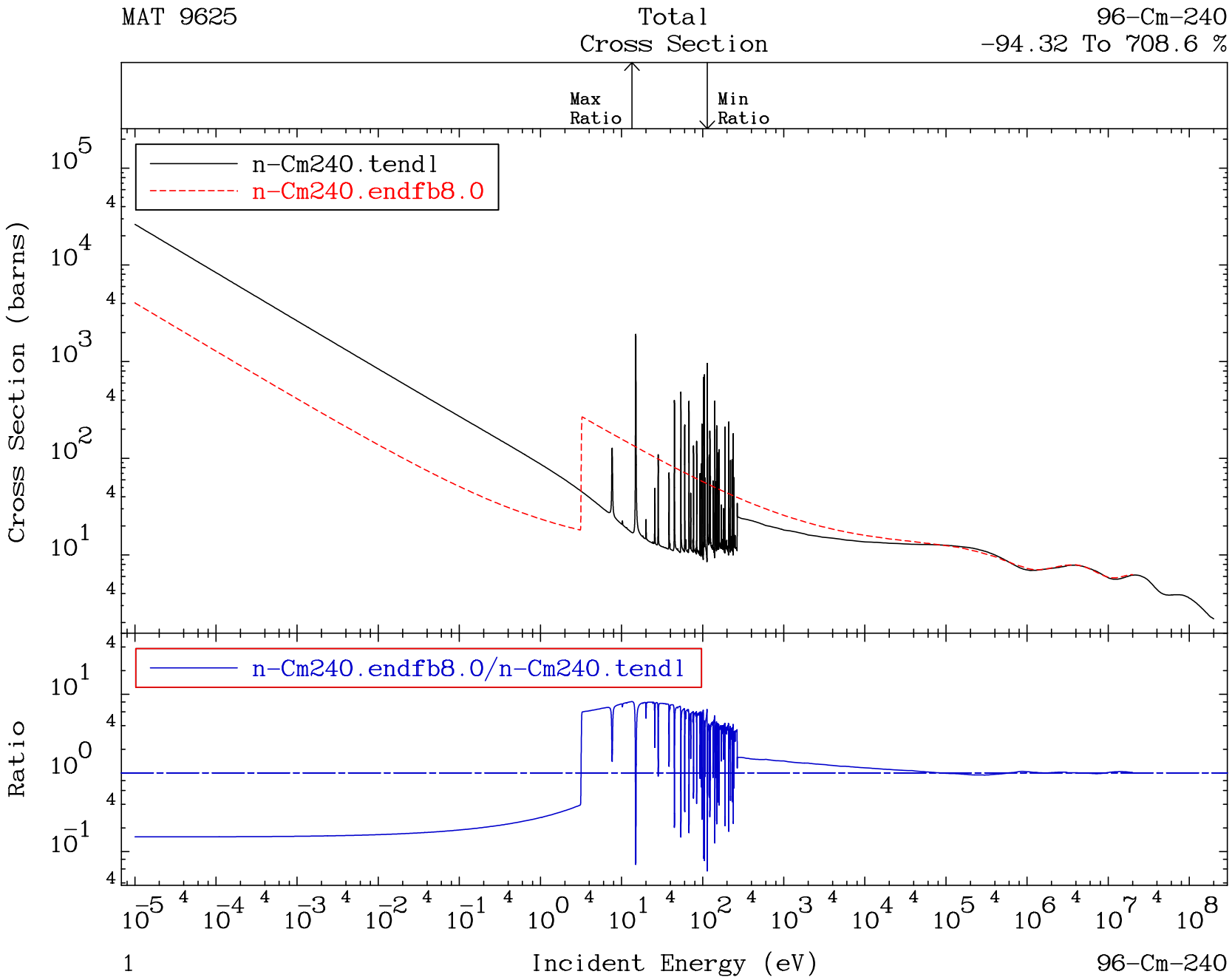

MAT 9625
Elastic
Cross Section
96-Cm-240
-93.46 To 471.8 %
Max Ratio
Min Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
2
96-Cm-240

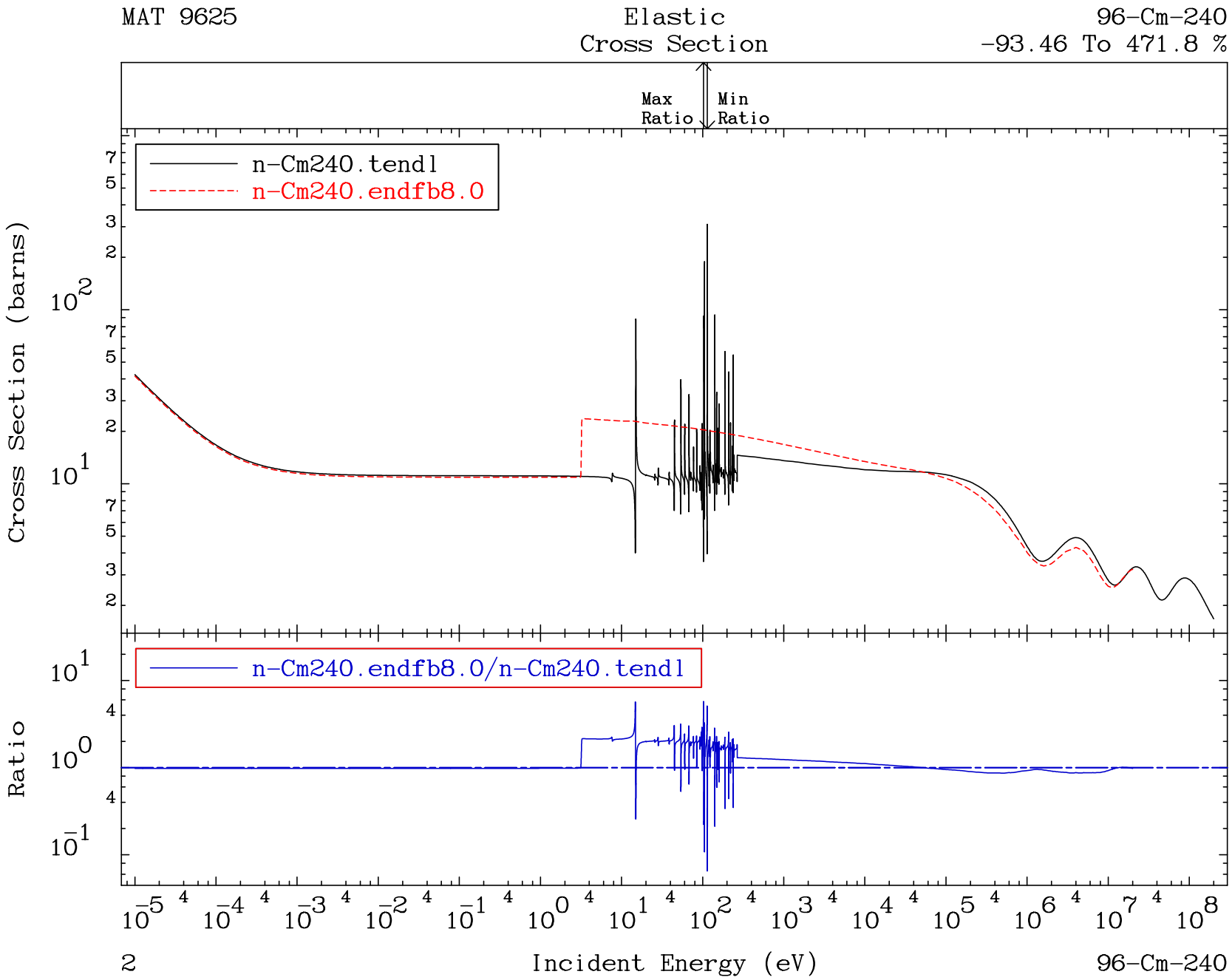

MAT 9625
Inelastic
Cross Section
96-Cm-240
-35.53 To 2951. %
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
4
10^1
4
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-240

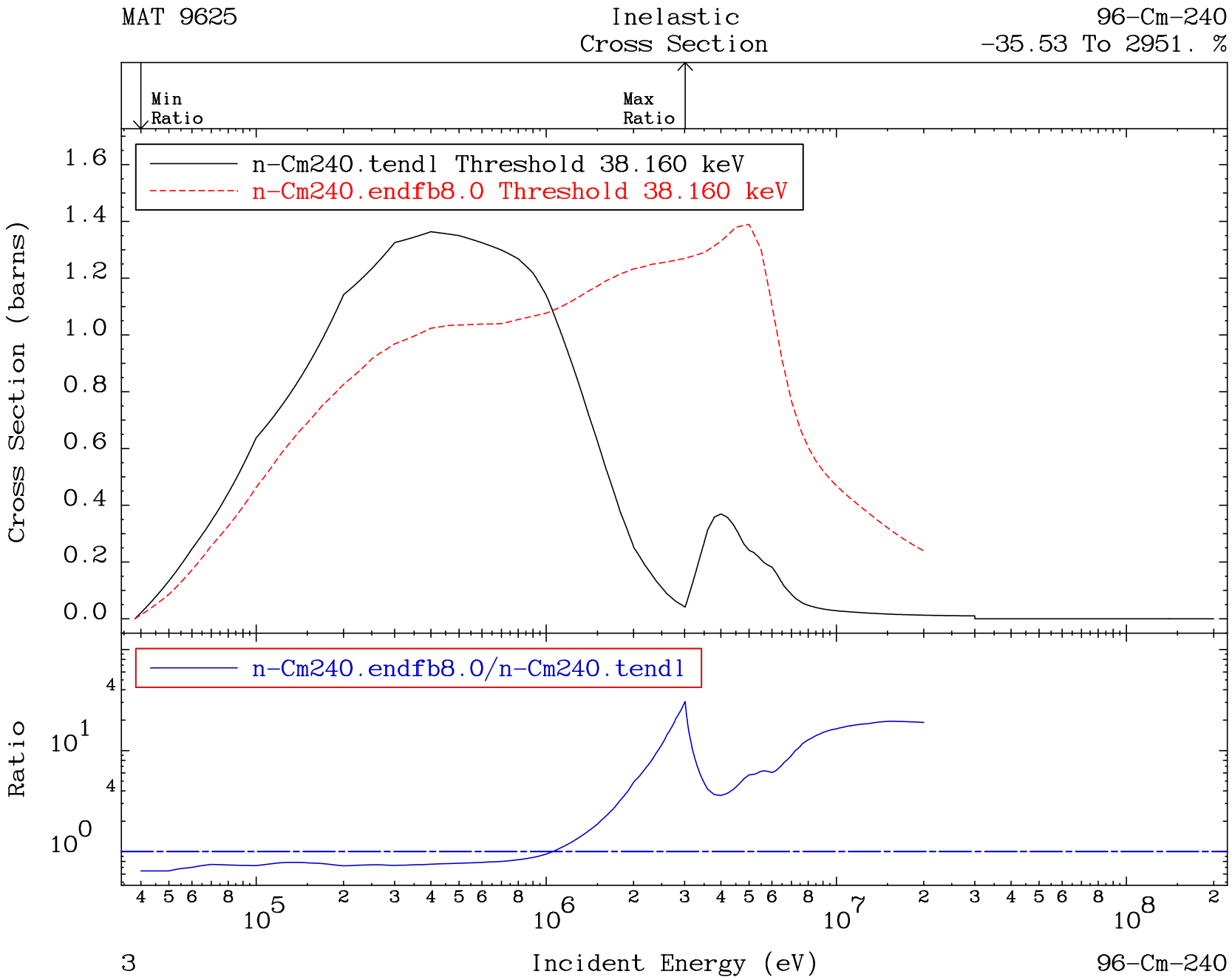

MAT 9625
Total
Cross Section
96-Cm-240
-94.32 To 708.6 %
Max
Ratio
Min
Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
1
96-Cm-240

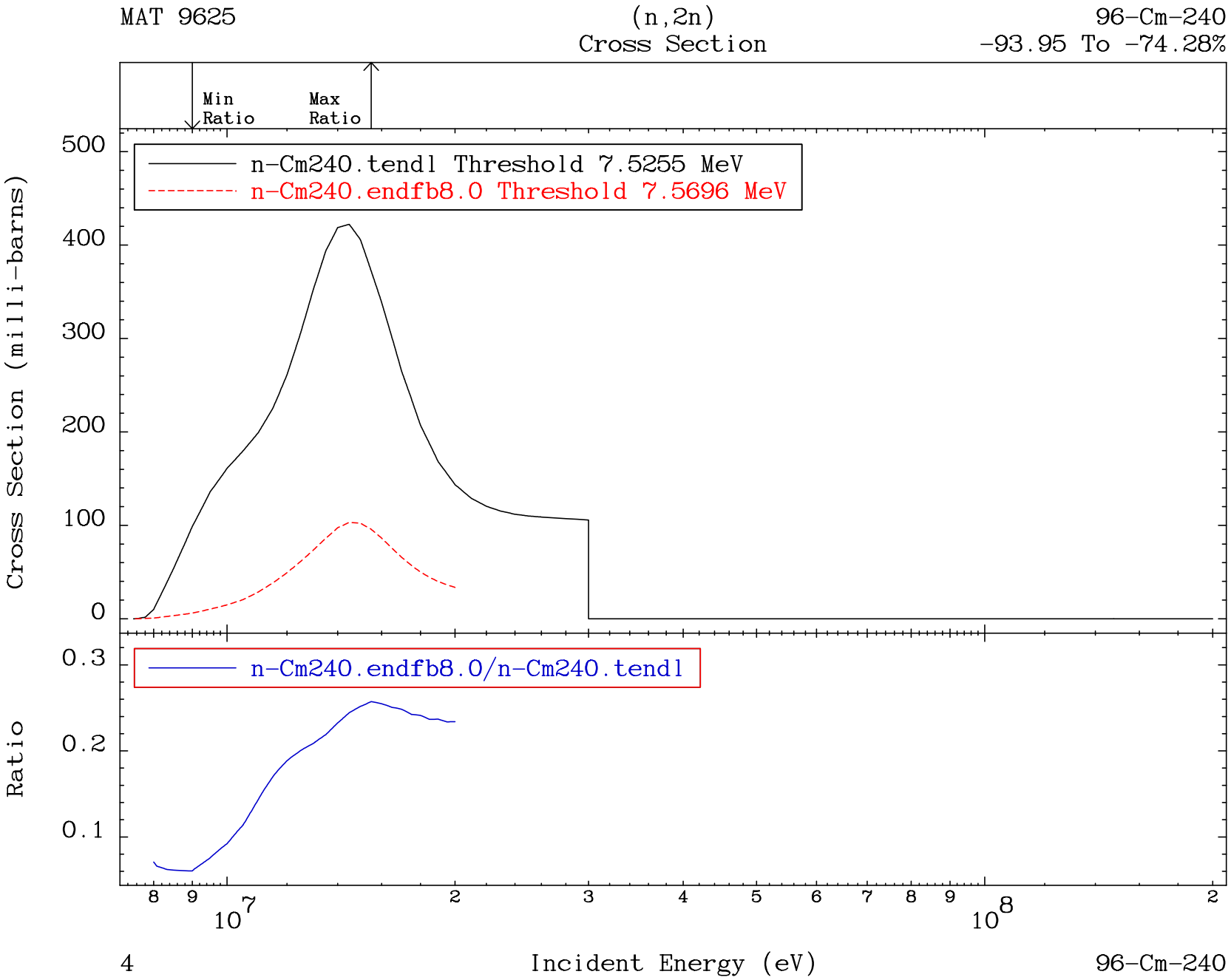

MAT 9625
Elastic
Cross Section
96-Cm-240
-93.46 To 471.8 %
Max Ratio
Min Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
2
96-Cm-240

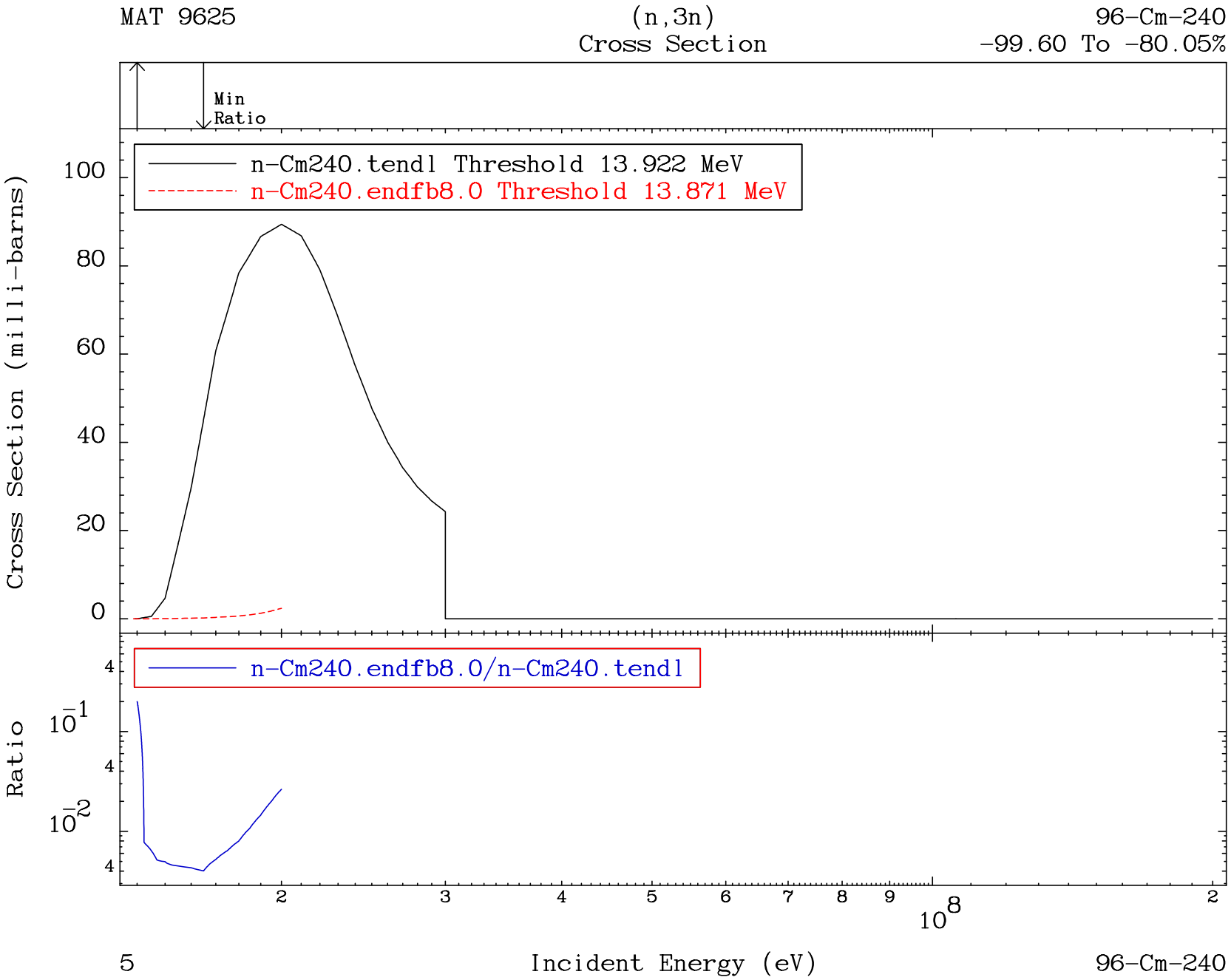

MAT 9625
Inelastic
Cross Section
96-Cm-240
-35.53 To 2951. %
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
4
10^1
4
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-240

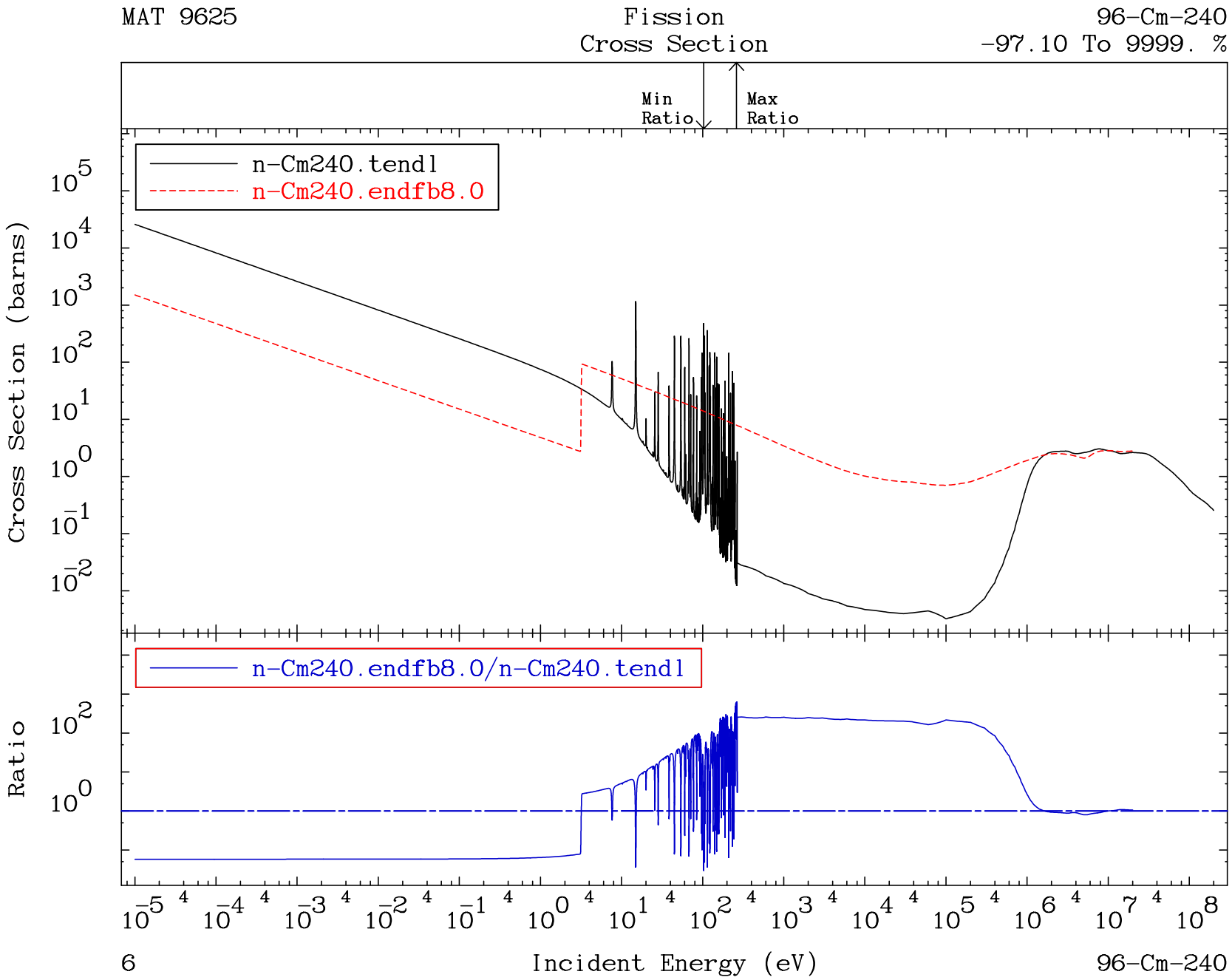

MAT 9625
Total
Cross Section
96-Cm-240
-94.32 To 708.6 %
Max
Ratio
Min
Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
1
96-Cm-240

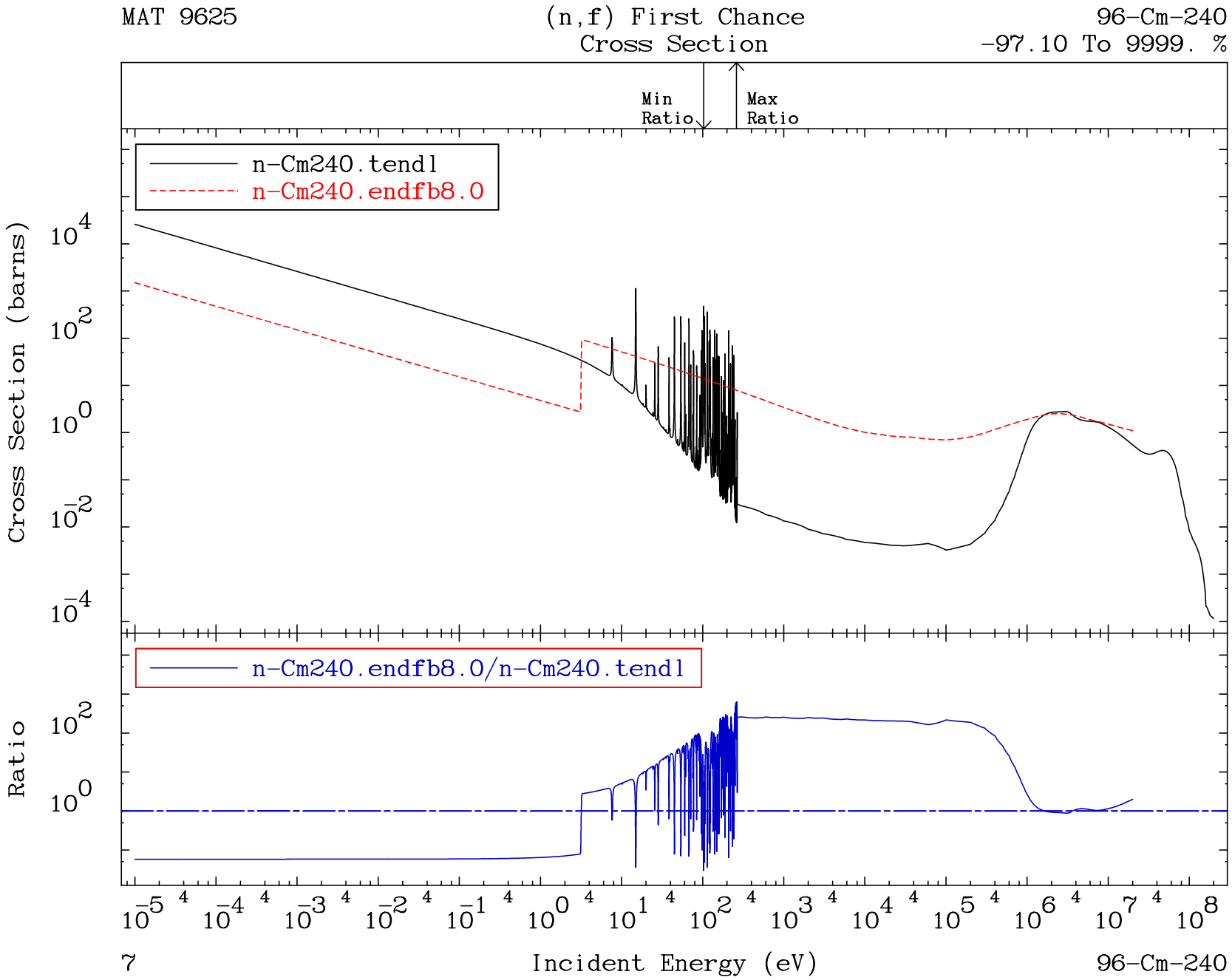

MAT 9625
Elastic
Cross Section
96-Cm-240
-93.46 To 471.8 %
Max Ratio
Min Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
2
96-Cm-240

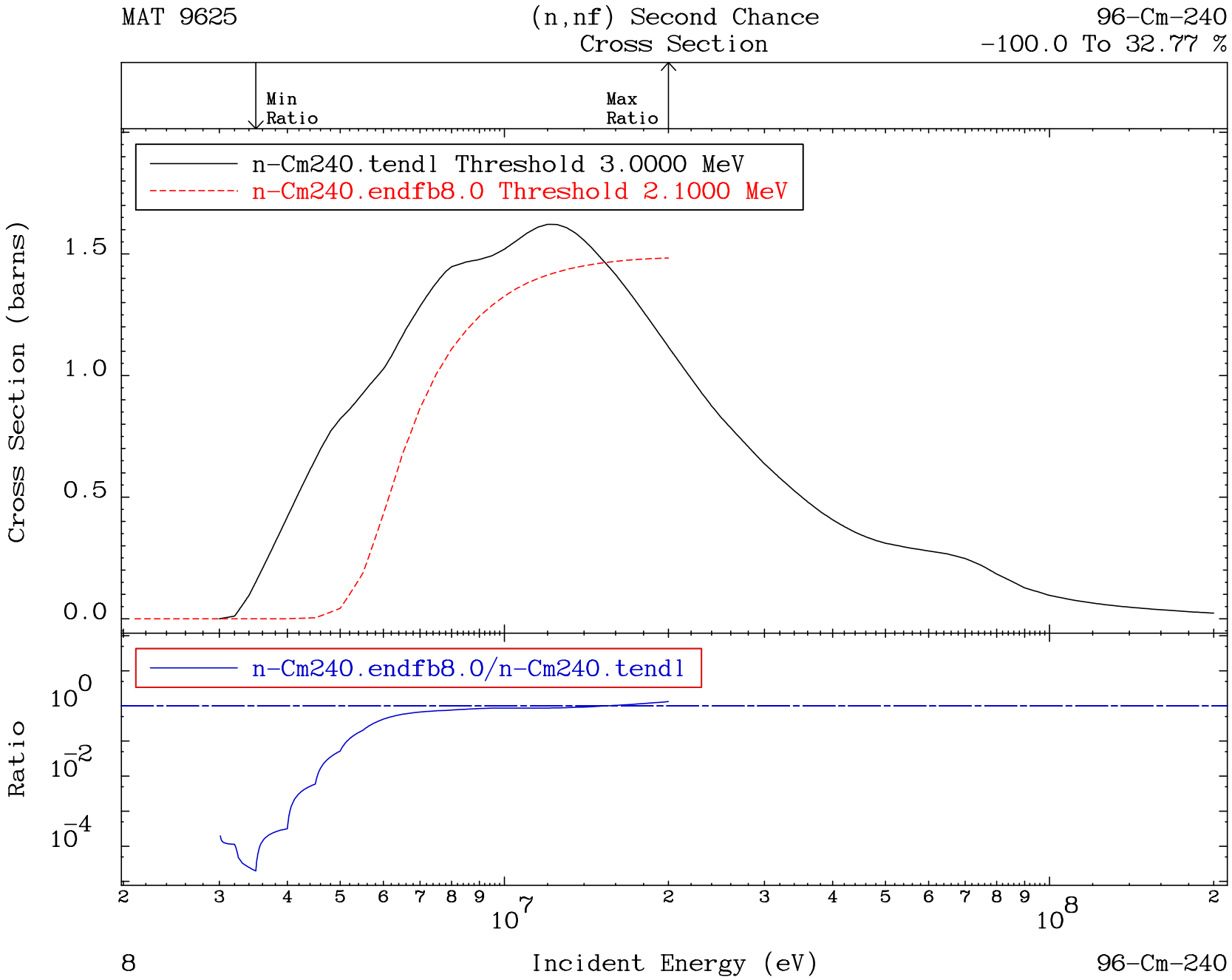

MAT 9625
Inelastic
Cross Section
96-Cm-240
-35.53 To 2951. %
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
4
10^1
4
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
96-Cm-240

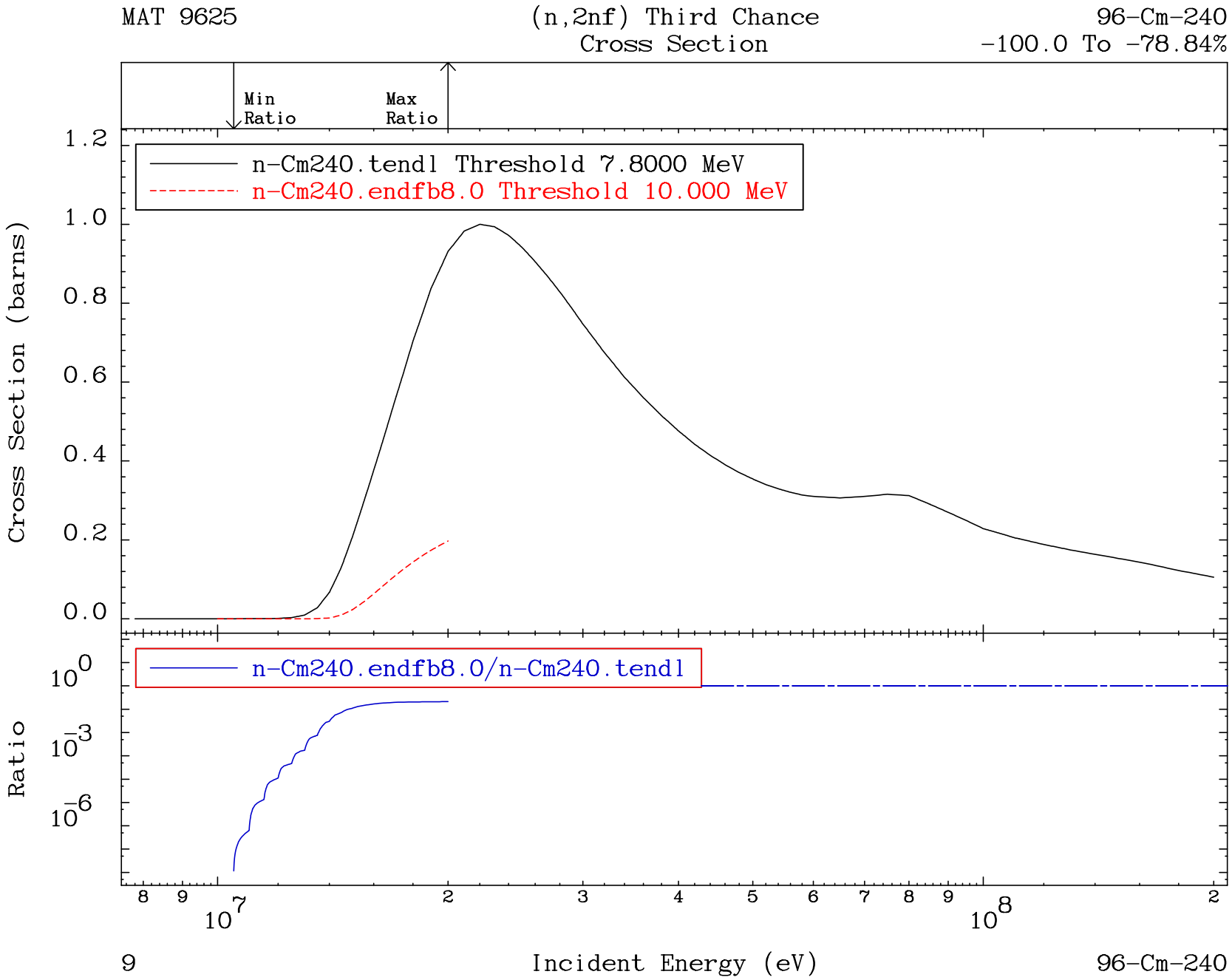

MAT 9625
(n,2n)
Cross Section
96-Cm-240
-93.95 To -74.28%
Min Ratio
Max Ratio
n-Cm240.tendl Threshold 7.5255 MeV
n-Cm240.endfb8.0 Threshold 7.5696 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
0.3
0.2
0.1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
96-Cm-240

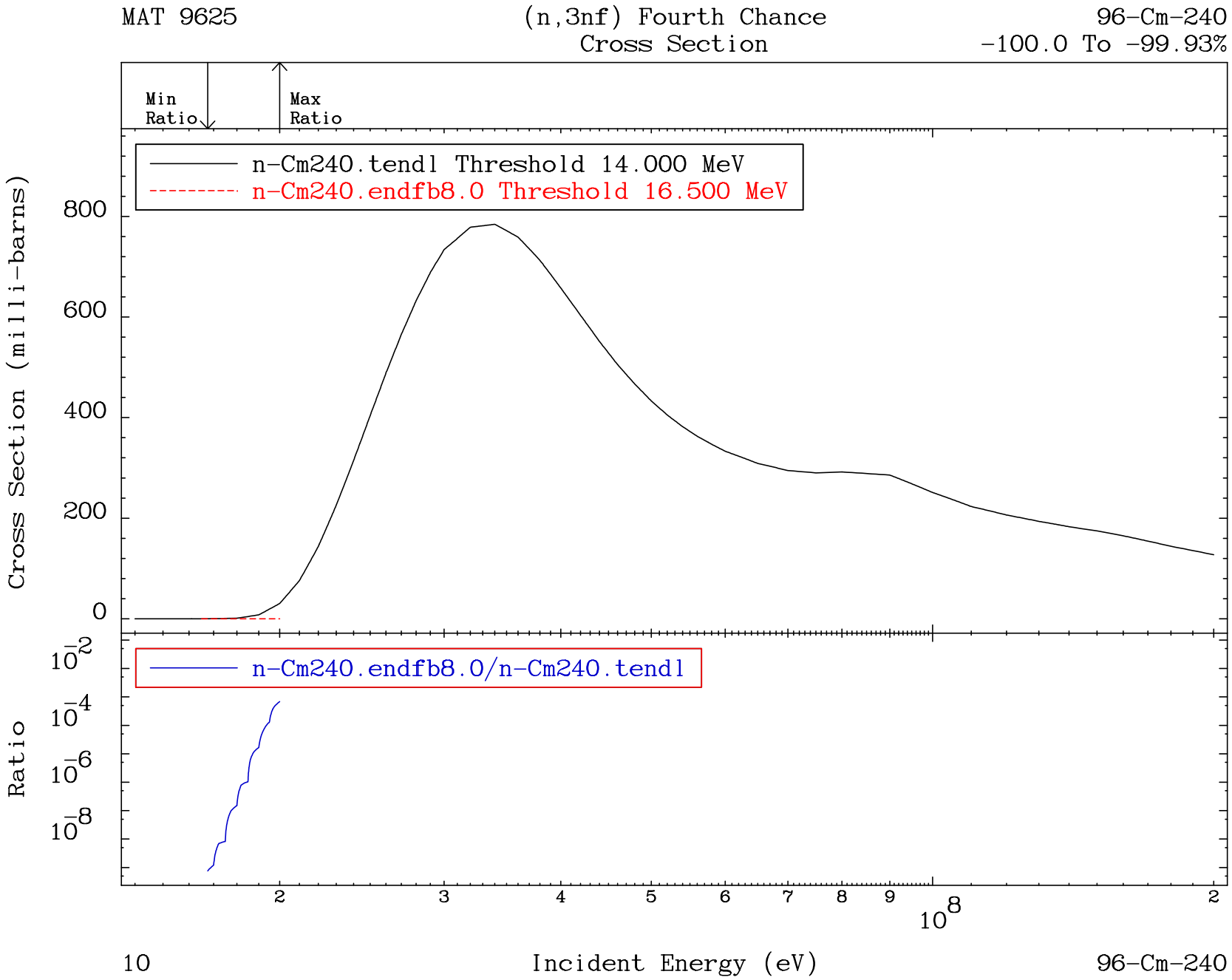

MAT 9625
(n,3n)
Cross Section
96-Cm-240
-99.60 To -80.05%
Min
Ratio
n-Cm240.tendl Threshold 13.922 MeV
n-Cm240.endfb8.0 Threshold 13.871 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
4
10-1
4
10-2
4
2
3
4
5
6
7
8
9
10 8
2
5
Incident Energy (eV)
96-Cm-240

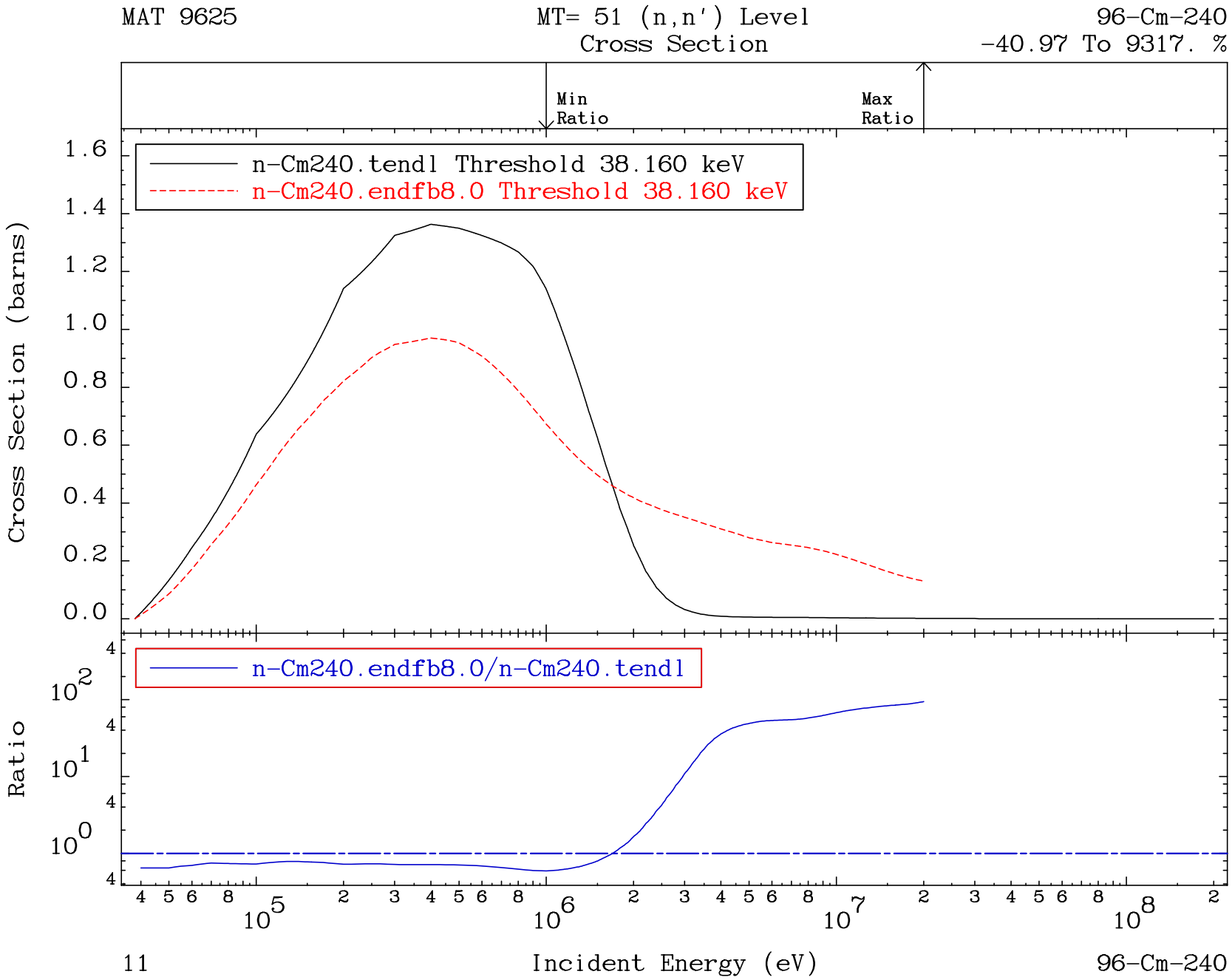

MAT 9625
Fission
Cross Section
96-Cm-240
-97.10 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
6
96-Cm-240

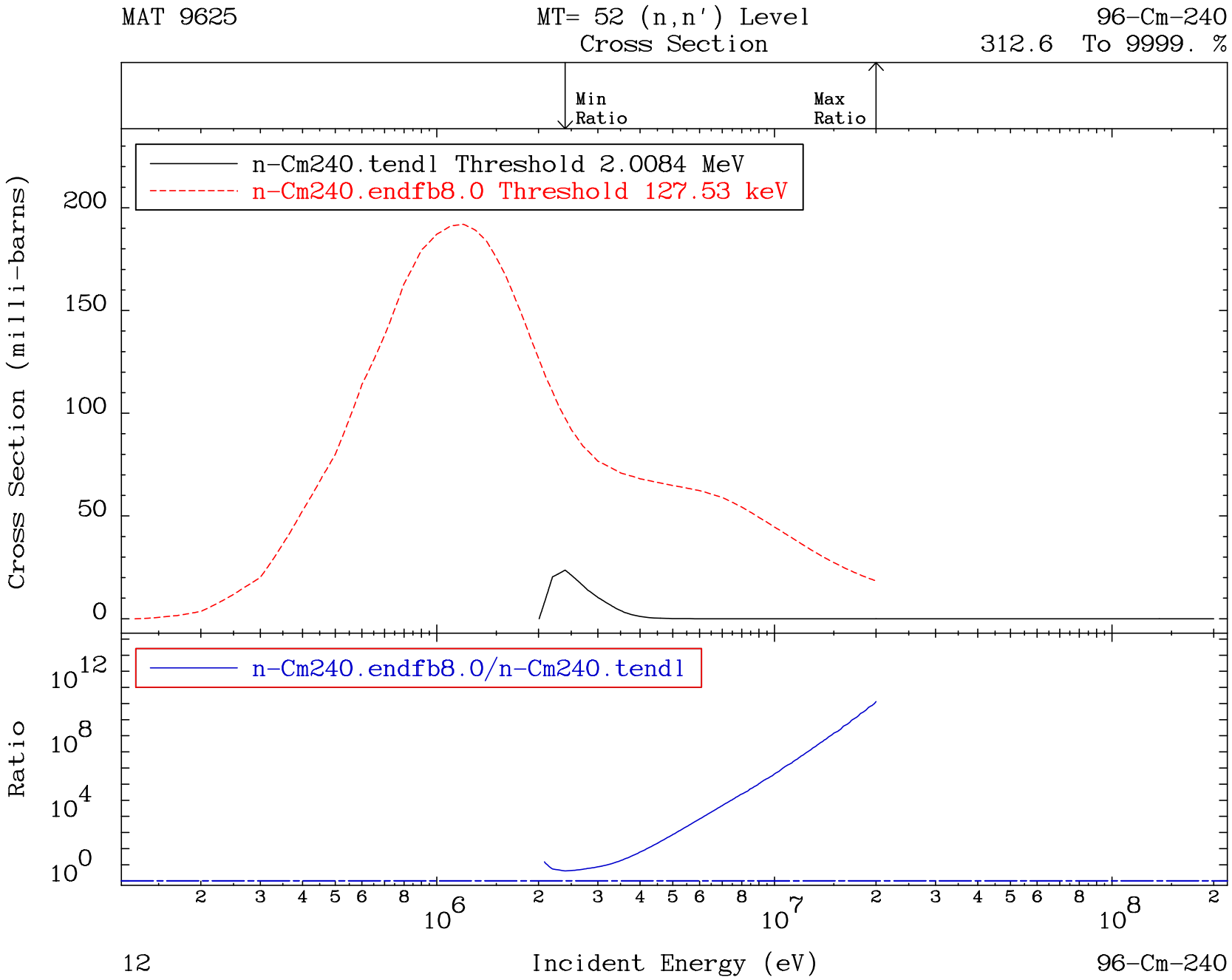

MAT 9625
(n,f) First Chance
Cross Section
96-Cm-240
-97.10 To 9999. %
Min
Ratio
Max
Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
7
96-Cm-240

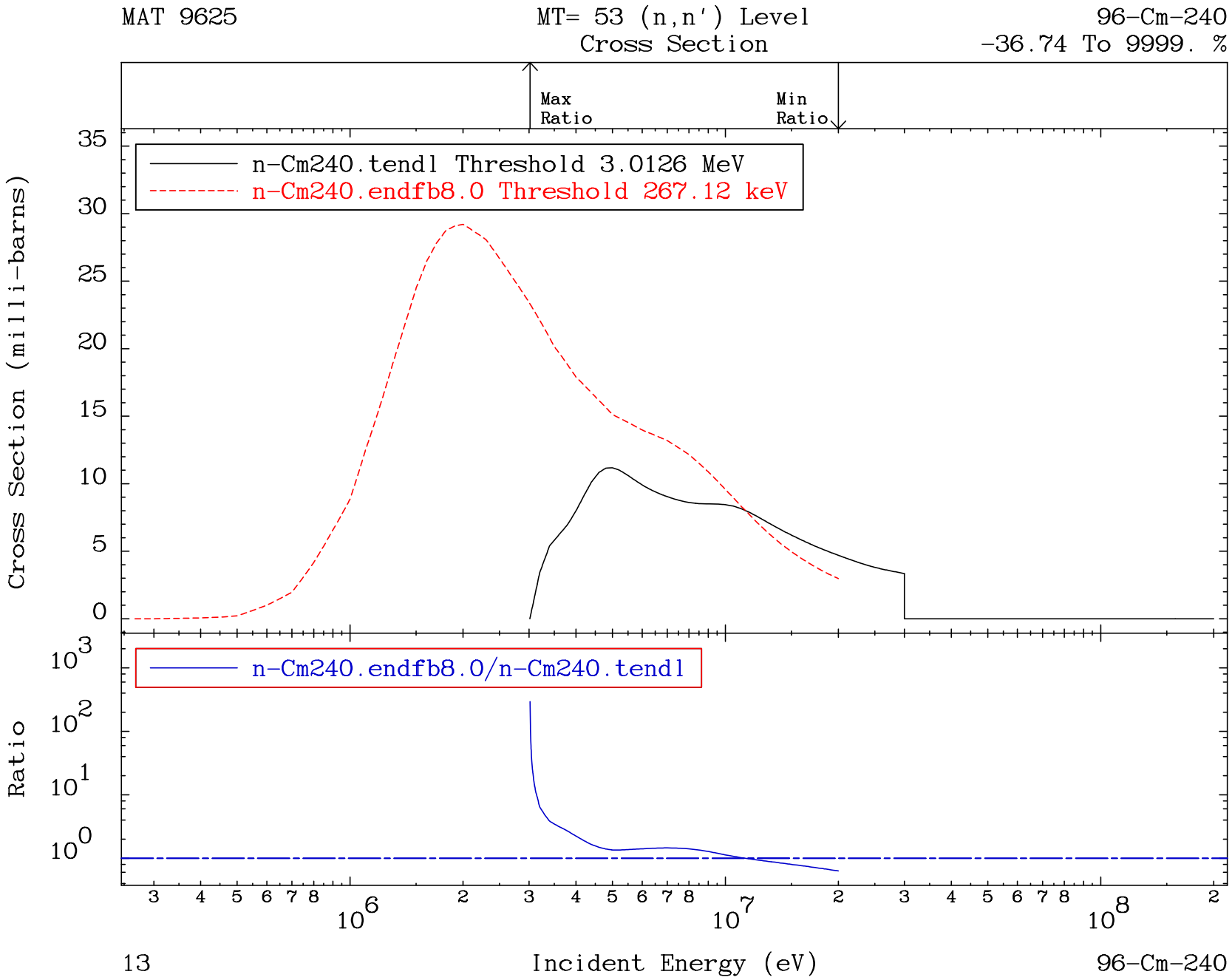

MAT 9625
(n,nf) Second Chance
Cross Section
96-Cm-240
-100.0 To 32.77 %
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 3.0000 MeV
n-Cm240.endfb8.0 Threshold 2.1000 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
96-Cm-240

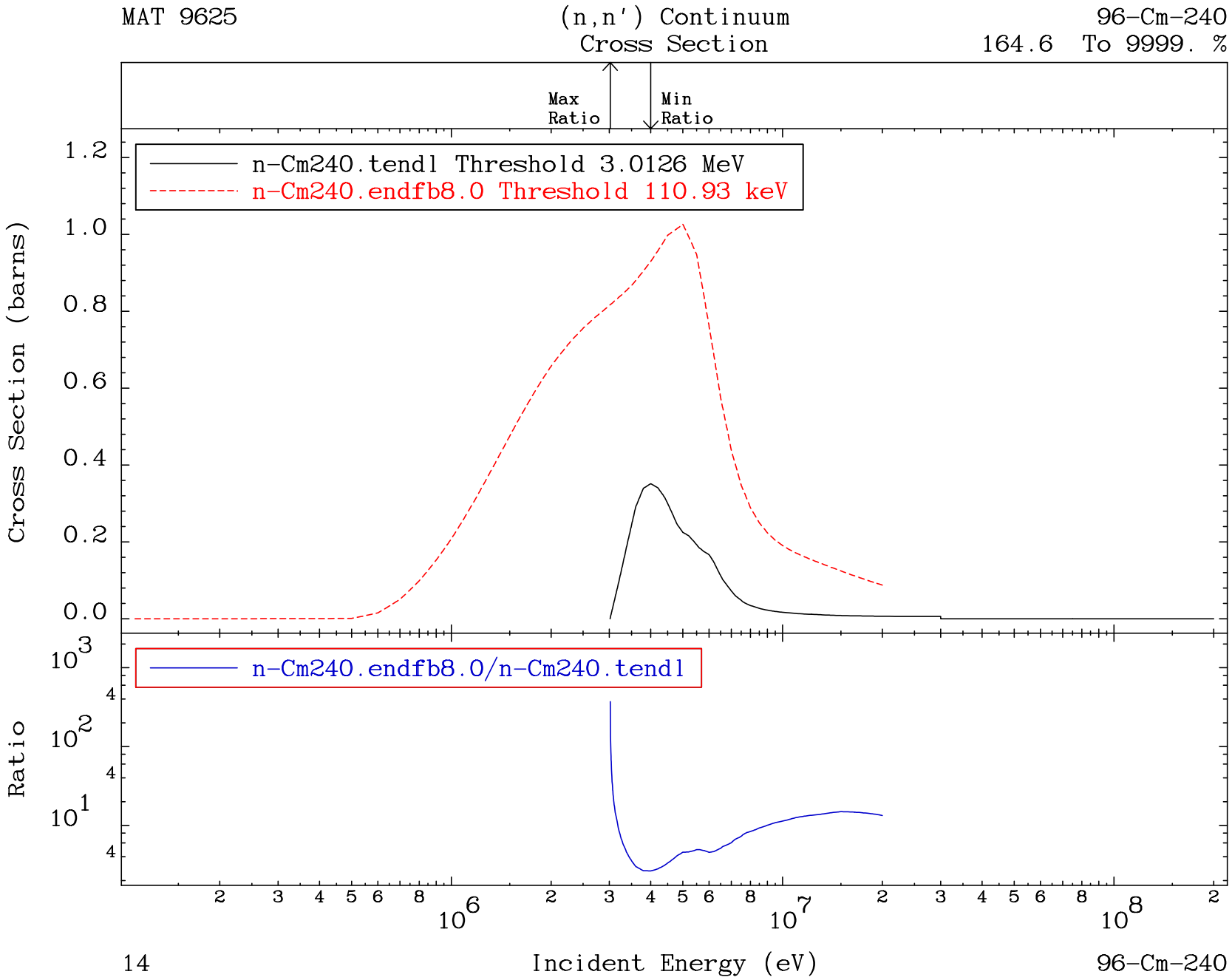

MAT 9625
(n,2nf) Third Chance
Cross Section
96-Cm-240
-100.0 To -78.84%
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 7.8000 MeV
n-Cm240.endfb8.0 Threshold 10.000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10^0
10^-3
10^-6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
96-Cm-240

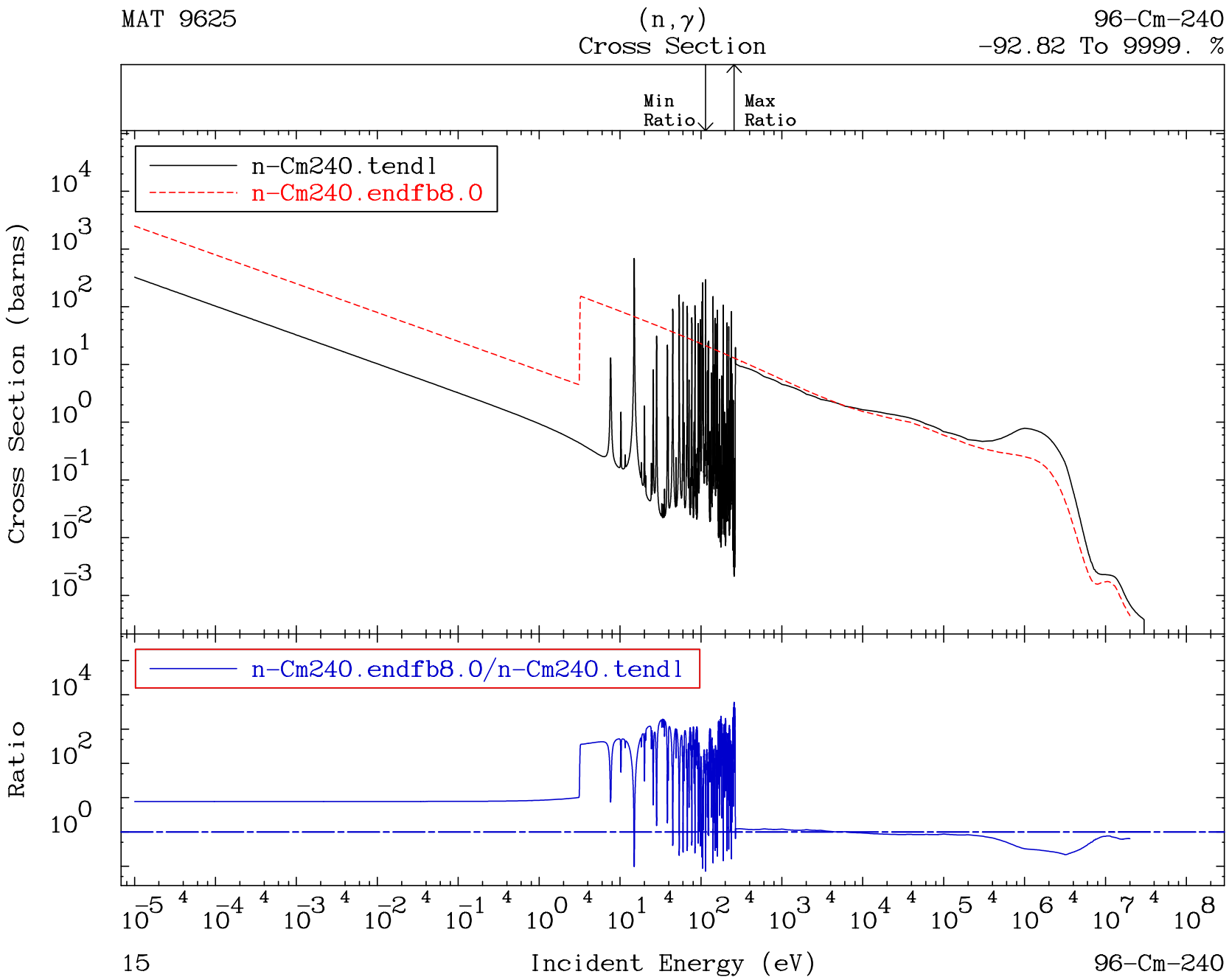

MAT 9625
(n,3nf) Fourth Chance
Cross Section
96-Cm-240
-100.0 To -99.93%
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 14.000 MeV
n-Cm240.endfb8.0 Threshold 16.500 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
2
10 8
10
Incident Energy (eV)
96-Cm-240

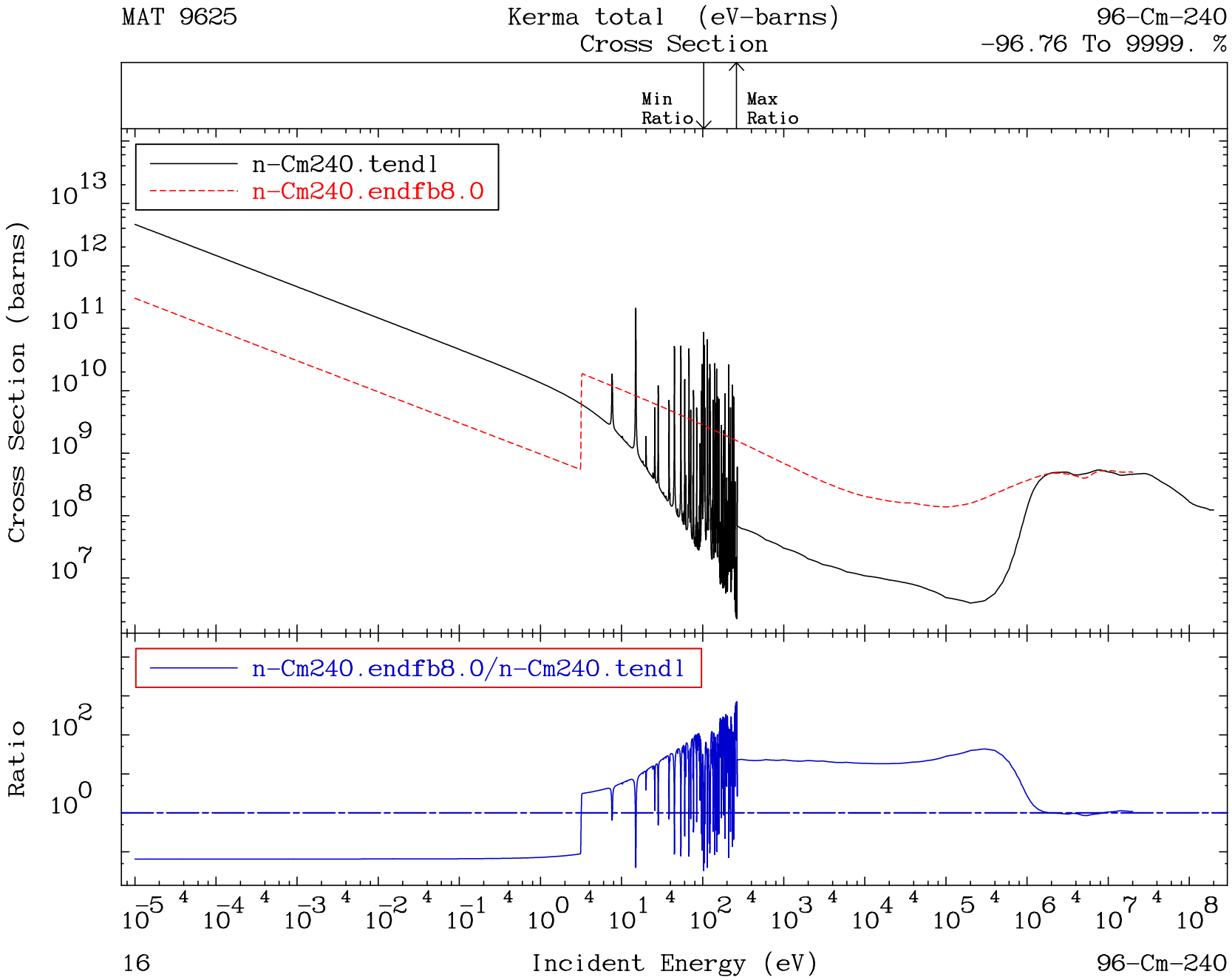

MAT 9625
MT= 51 (n,n') Level
Cross Section
96-Cm-240
-40.97 To 9317. %
Min
Ratio
Max
Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10^2
10^1
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
96-Cm-240

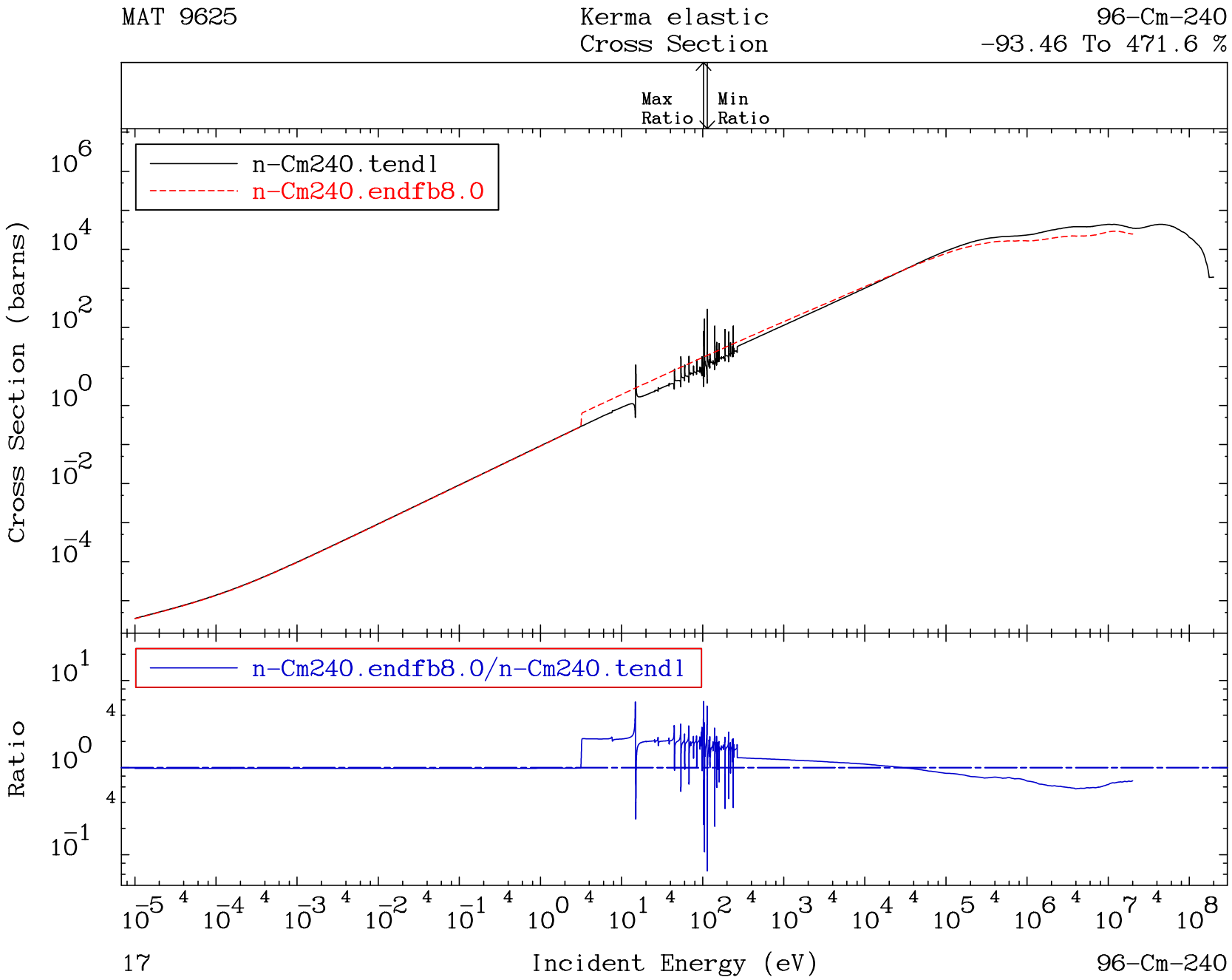

MAT 9625
MT= 52 (n,n') Level
Cross Section
96-Cm-240
312.6 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl Threshold 2.0084 MeV
n-Cm240.endfb8.0 Threshold 127.53 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
96-Cm-240

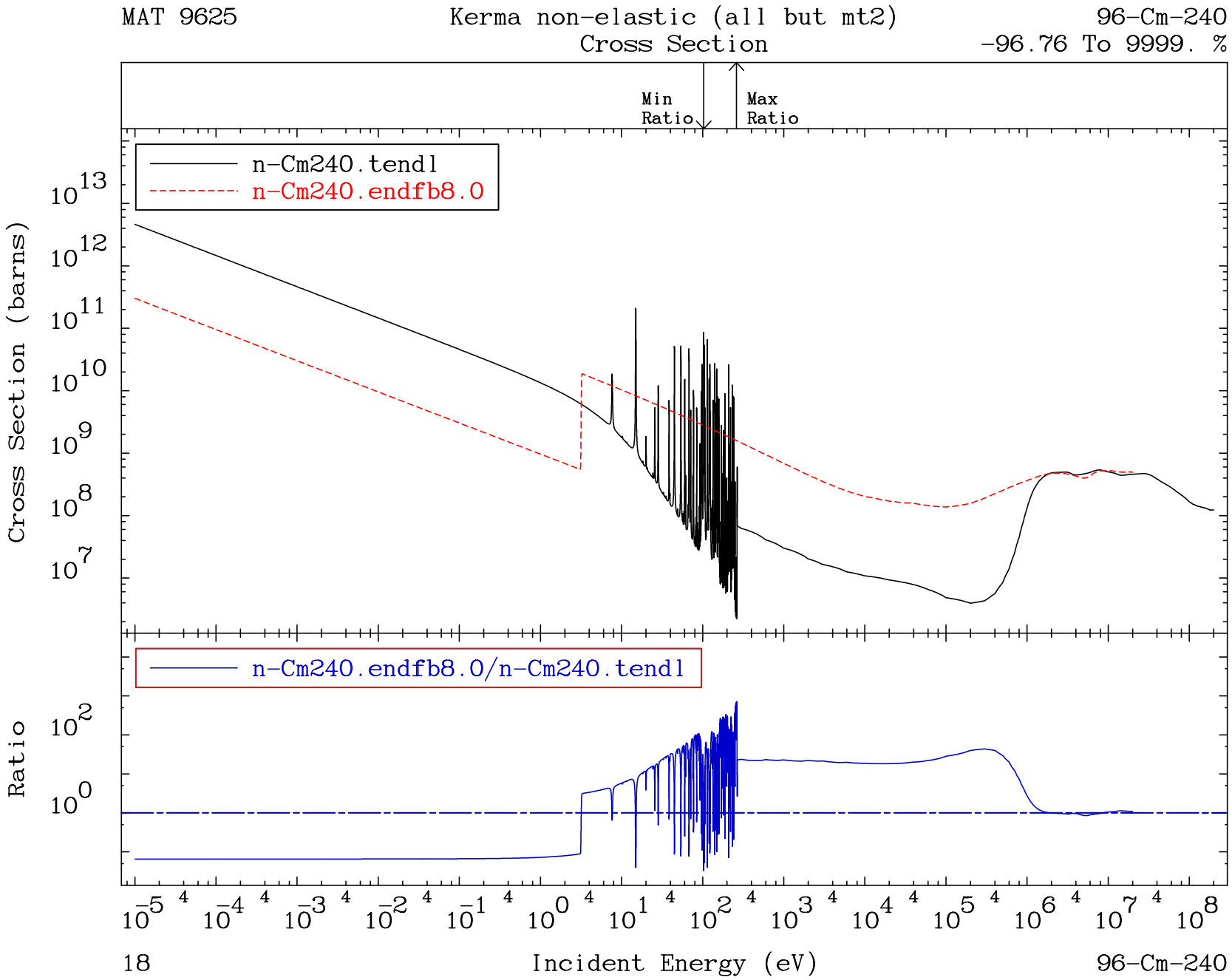

MAT 9625
MT= 53 (n,n') Level
Cross Section
96-Cm-240
-36.74 To 9999. %
Max Ratio
Min Ratio
n-Cm240.tendl Threshold 3.0126 MeV
n-Cm240.endfb8.0 Threshold 267.12 keV
Cross Section (milli-barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
13
96-Cm-240

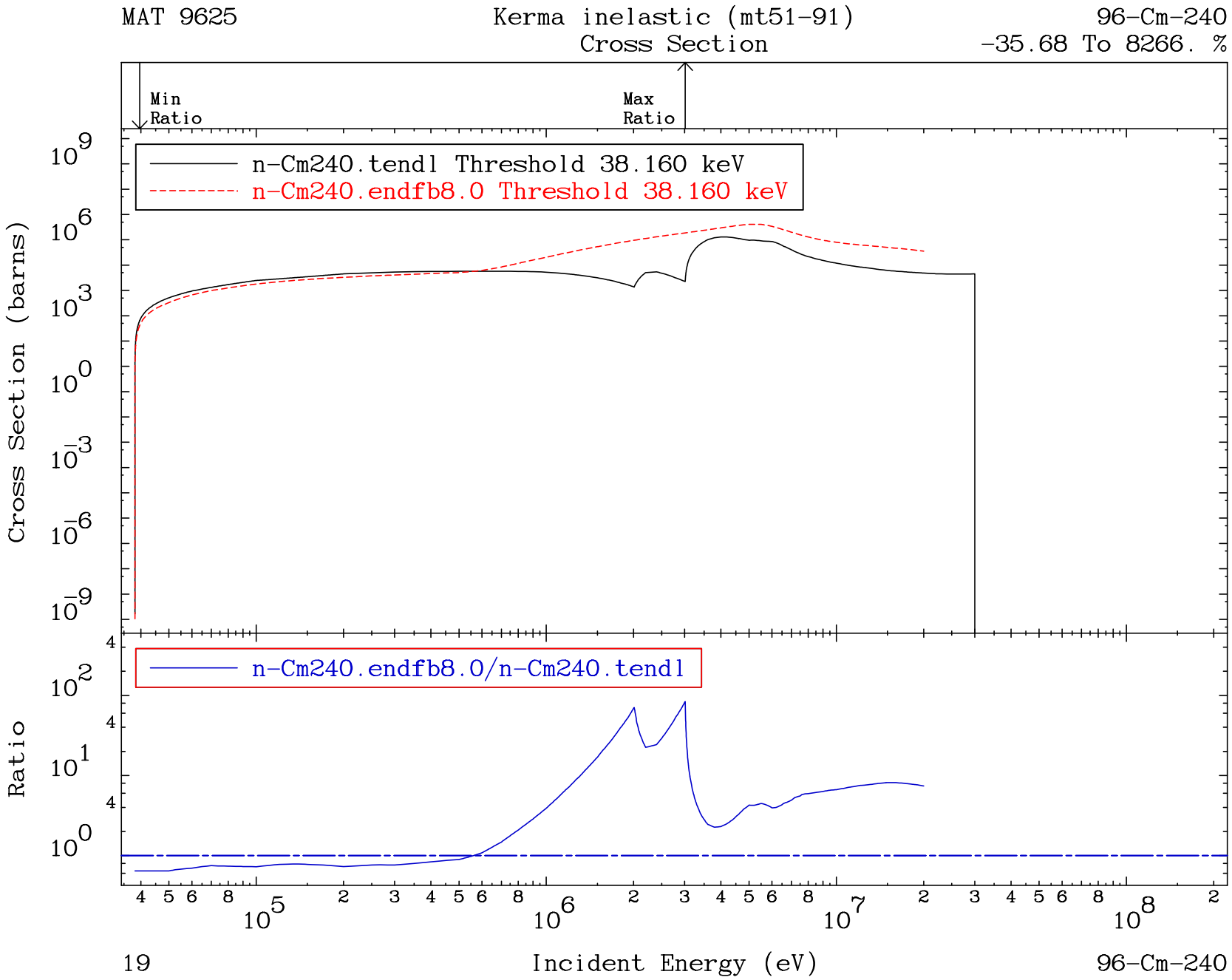

MAT 9625
(n,n') Continuum
Cross Section
96-Cm-240
164.6 To 9999. %
Max Ratio
Min Ratio
n-Cm240.tendl Threshold 3.0126 MeV
n-Cm240.endfb8.0 Threshold 110.93 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
10^3
10^2
10^1
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
96-Cm-240

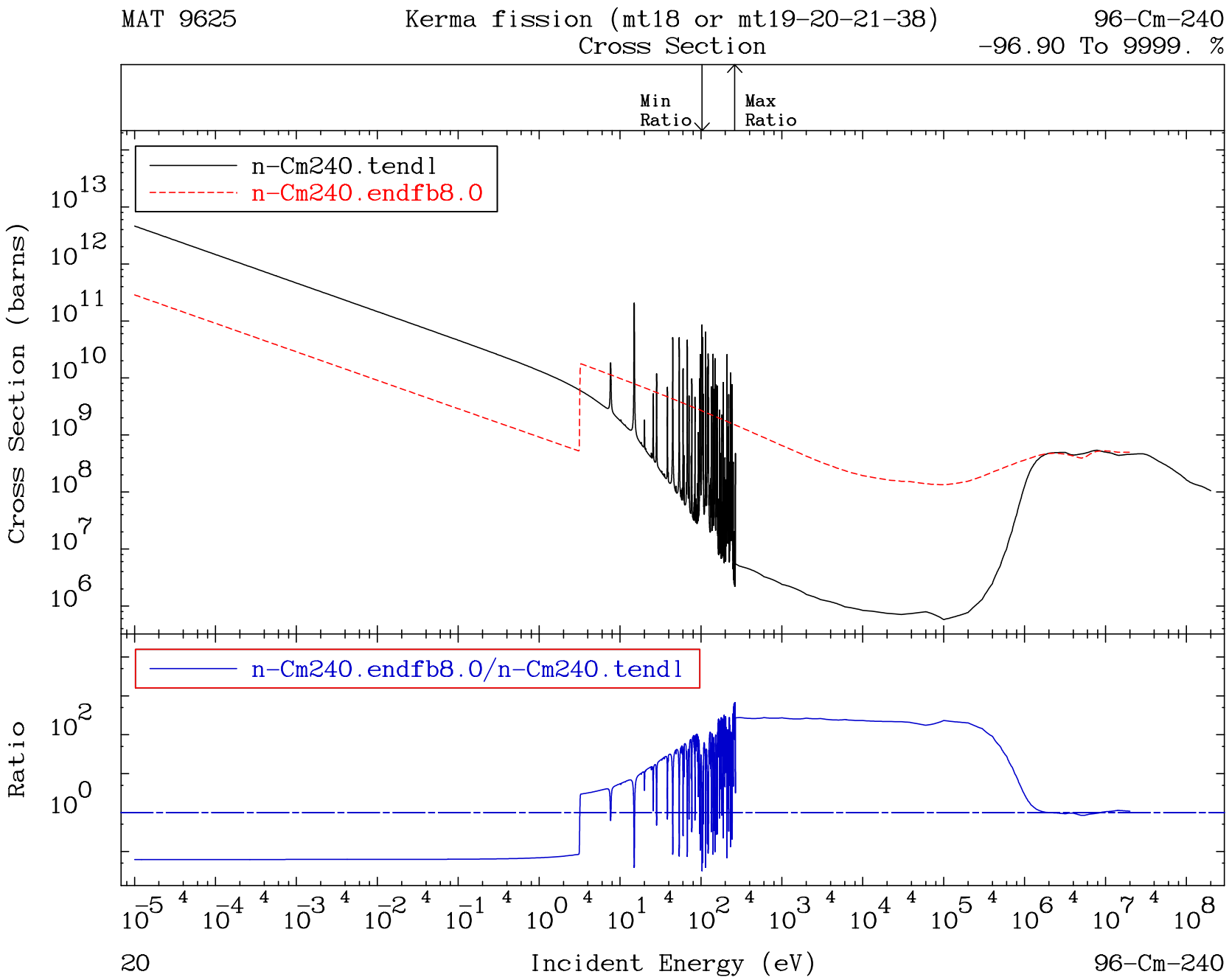

MAT 9625
(n,γ)
Cross Section
96-Cm-240
-92.82 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
15
96-Cm-240

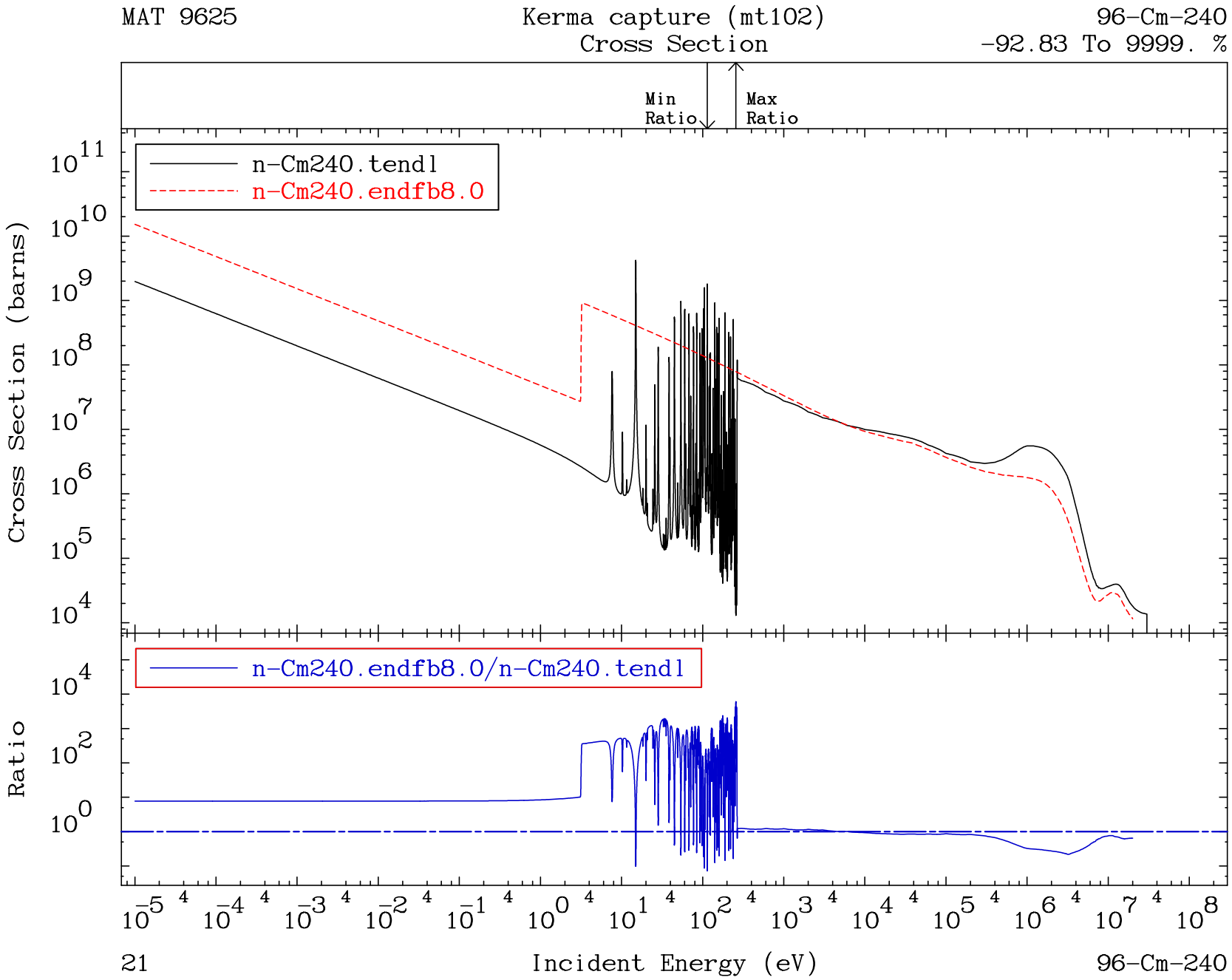

MAT 9625
Kerma total (eV-barns)
Cross Section
96-Cm-240
-96.76 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
16
96-Cm-240

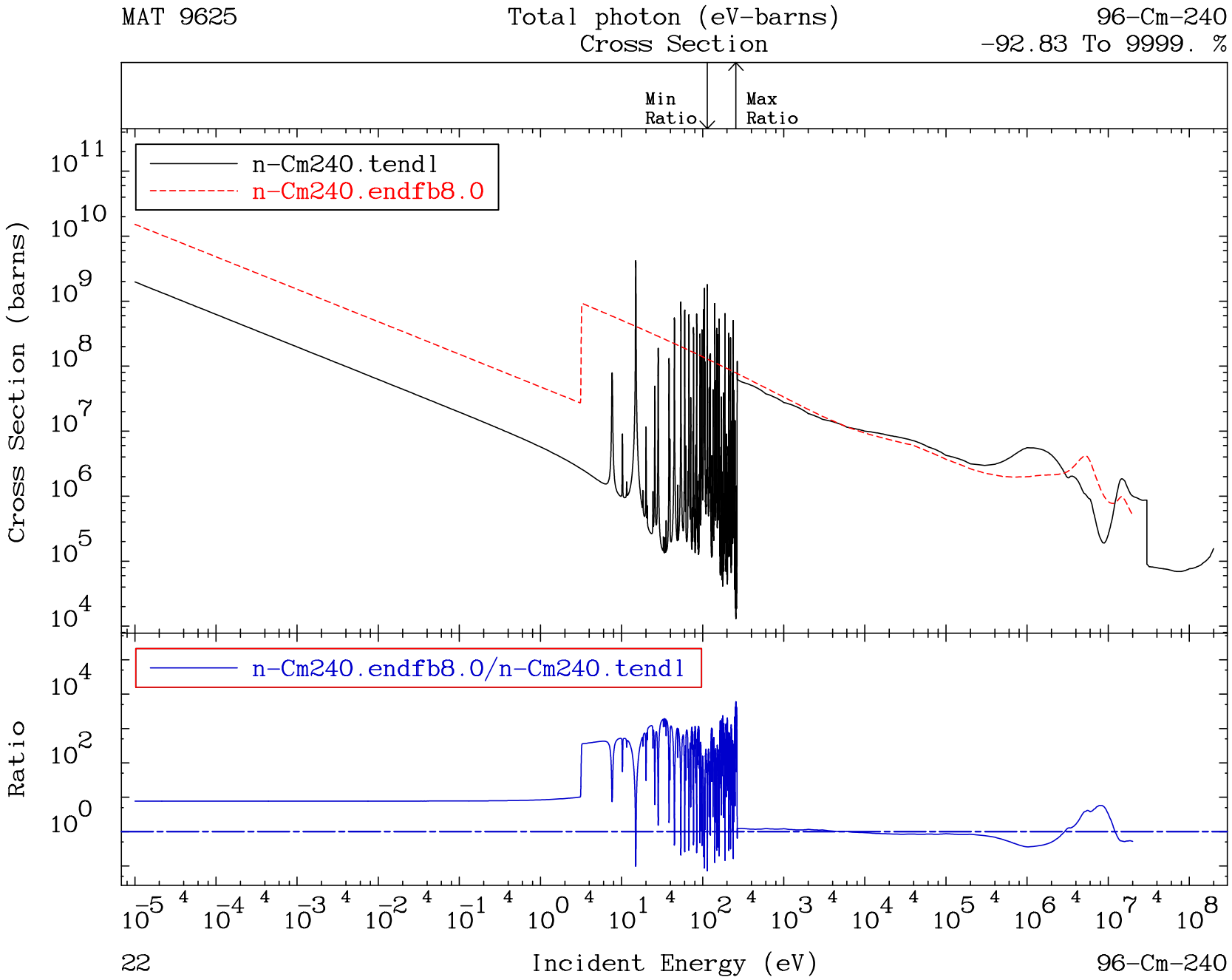

MAT 9625
Kerma elastic
Cross Section
96-Cm-240
-93.46 To 471.6 %
Max Ratio
Min Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
17
96-Cm-240

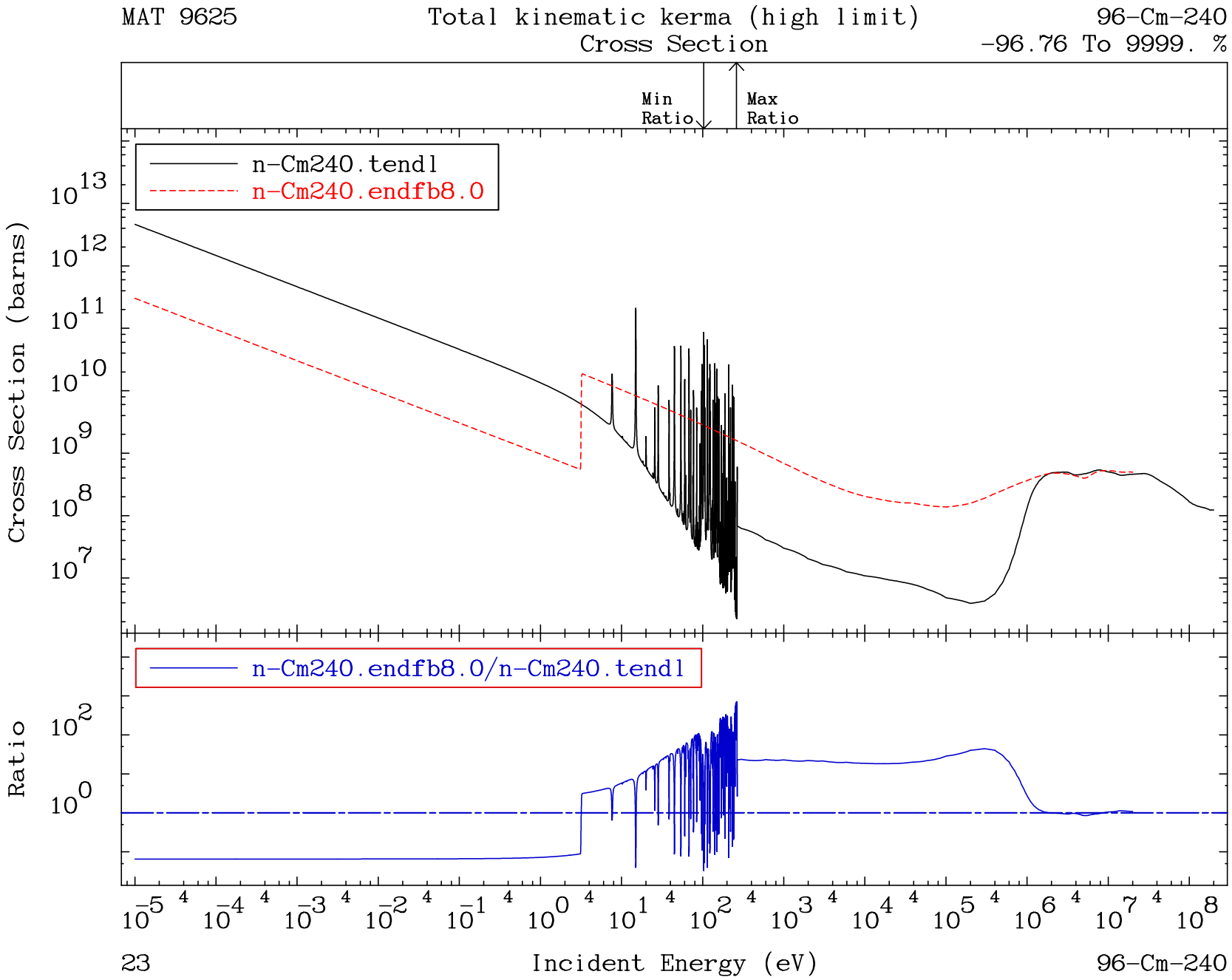

MAT 9625
Kerma non-elastic (all but mt2)
Cross Section
96-Cm-240
-96.76 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
18
96-Cm-240

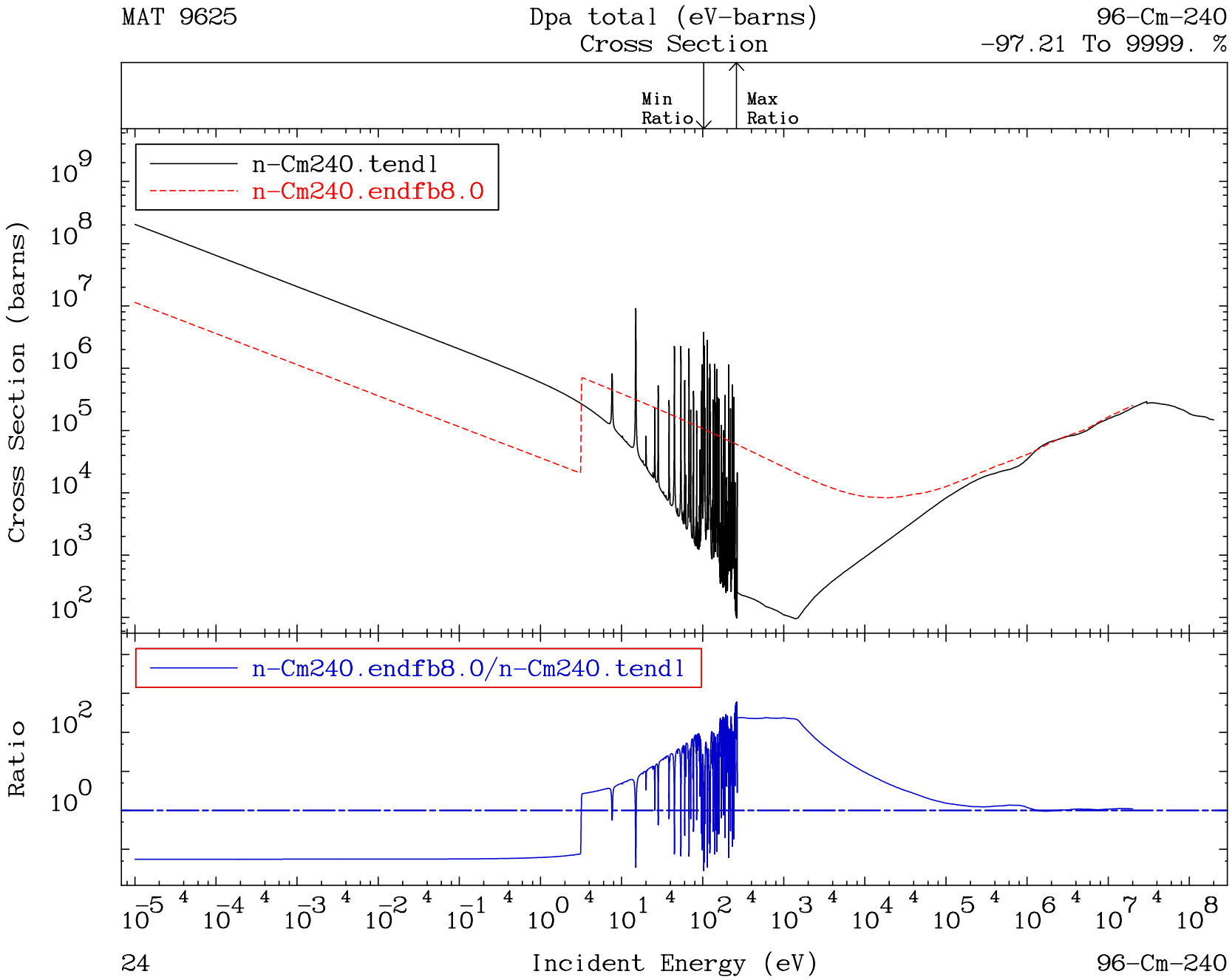

MAT 9625
Kerma inelastic (mt51-91)
Cross Section
96-Cm-240
-35.68 To 8266. %
Min Ratio
Max Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
19
96-Cm-240

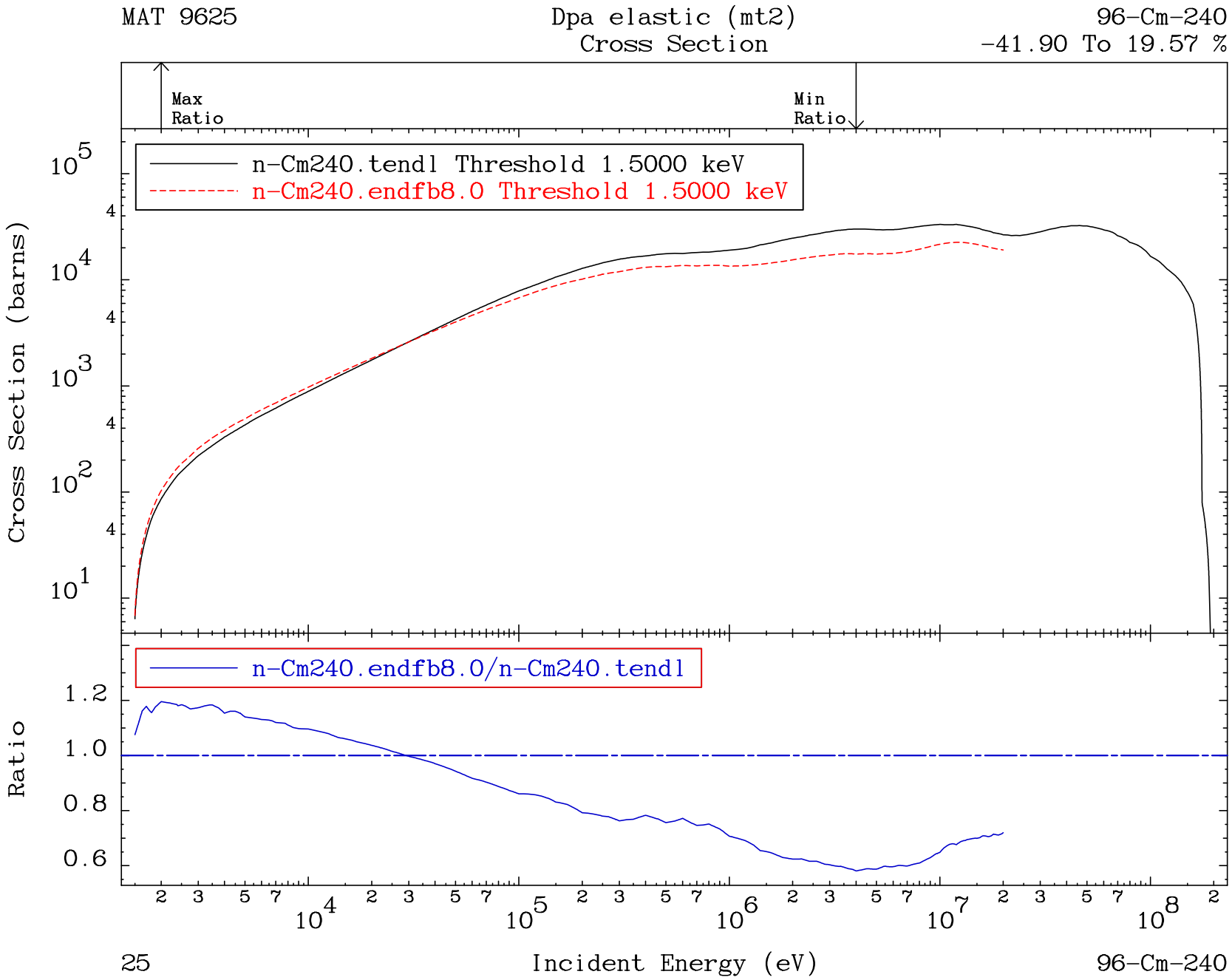

MAT 9625
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
96-Cm-240
-96.90 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
20
96-Cm-240

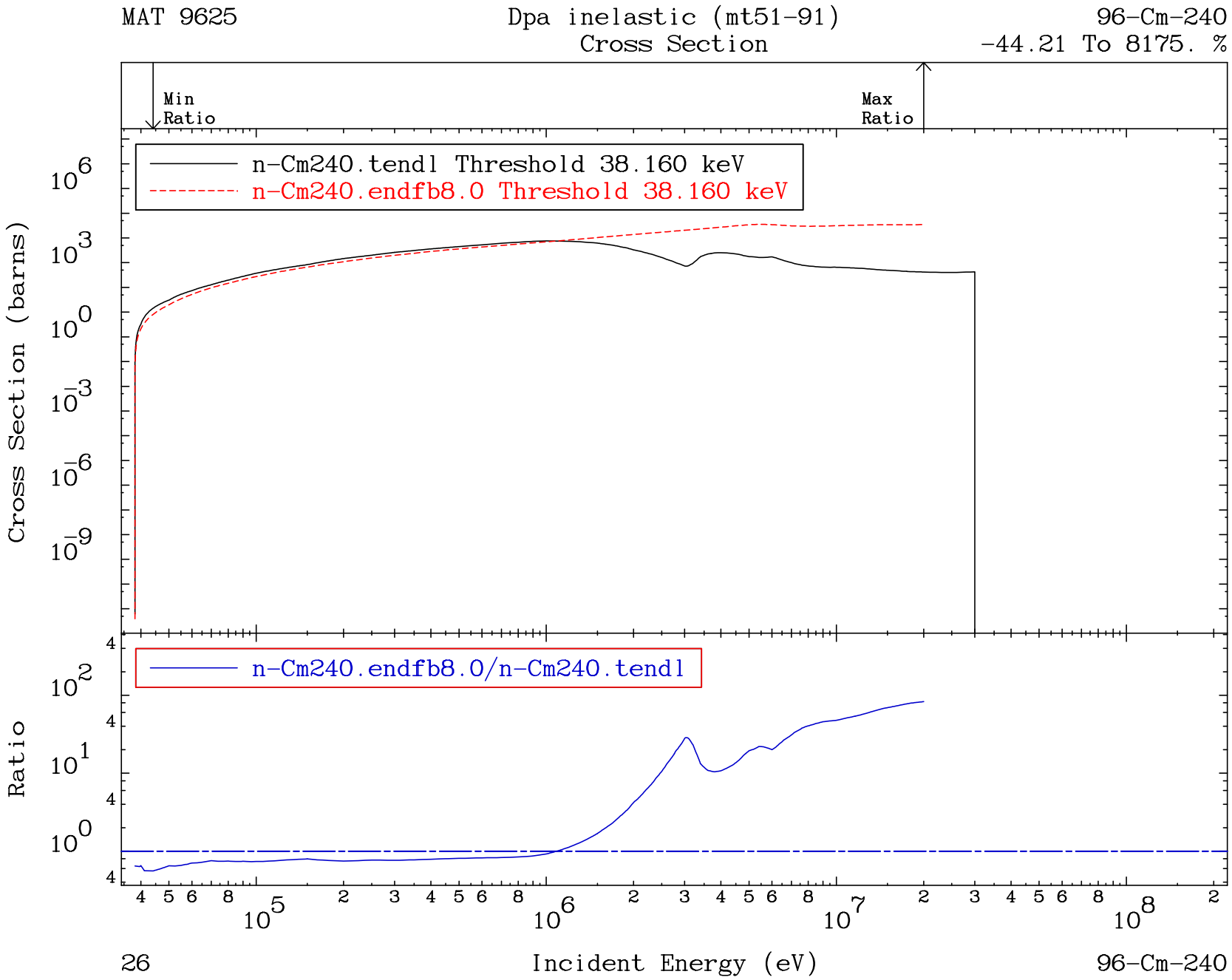

MAT 9625
Kerma capture (mt102)
Cross Section
96-Cm-240
-92.83 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
21
96-Cm-240

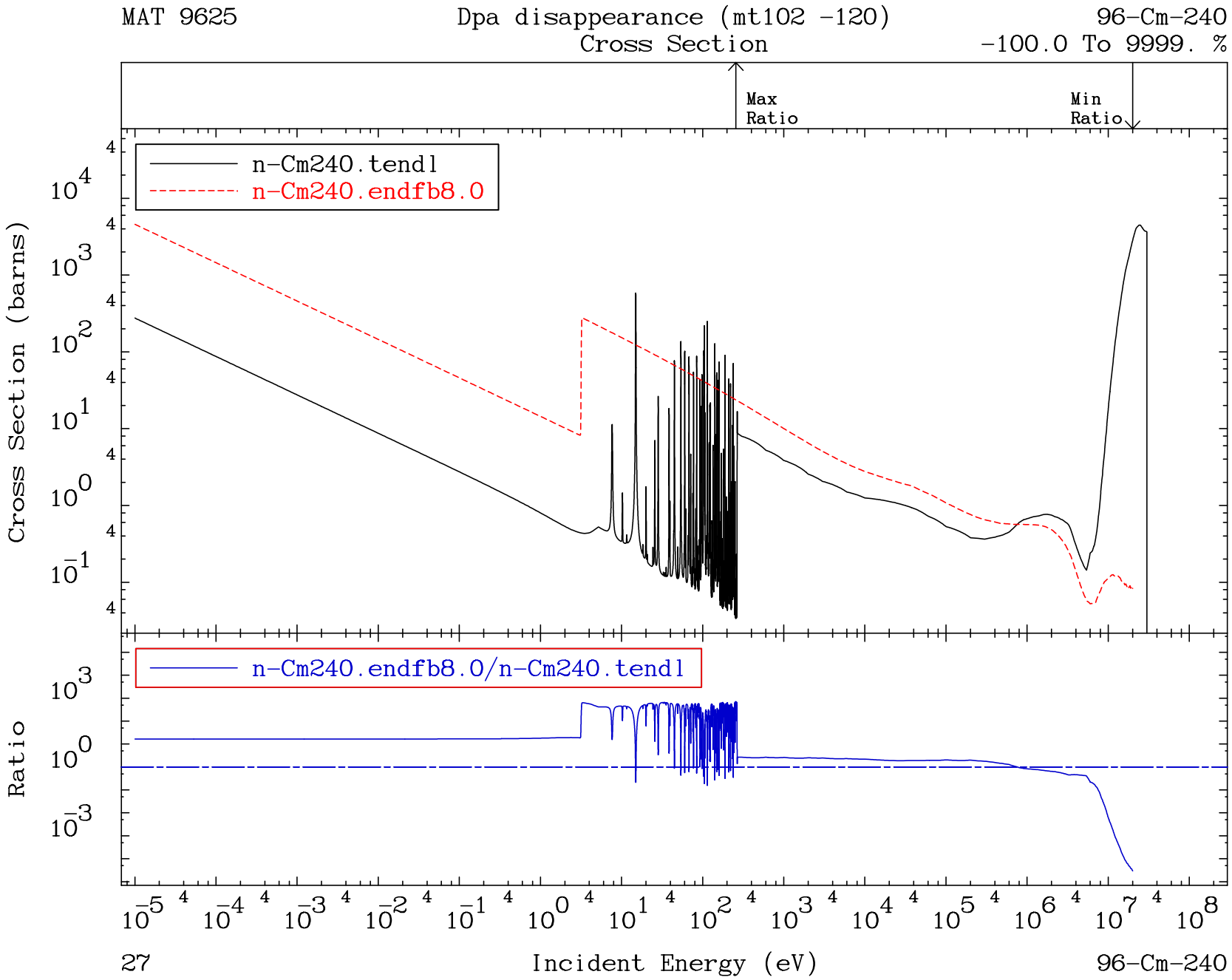

MAT 9625
Total photon (eV-barns)
Cross Section
96-Cm-240
-92.83 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
22
96-Cm-240


MAT 9625
Total kinematic kerma (high limit)
Cross Section
96-Cm-240
-96.76 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
23
96-Cm-240


MAT 9625
Dpa total (eV-barns)
Cross Section
96-Cm-240
-97.21 To 9999. %
Min Ratio
Max Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
24
96-Cm-240


MAT 9625
Dpa elastic (mt2)
Cross Section
96-Cm-240
-41.90 To 19.57 %
Max Ratio
Min Ratio
n-Cm240.tendl Threshold 1.5000 keV
n-Cm240.endfb8.0 Threshold 1.5000 keV
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
25
96-Cm-240


MAT 9625
Dpa inelastic (mt51-91)
Cross Section
96-Cm-240
-44.21 To 8175. %
Min Ratio
Max Ratio
n-Cm240.tendl Threshold 38.160 keV
n-Cm240.endfb8.0 Threshold 38.160 keV
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
26
96-Cm-240


MAT 9625
Dpa disappearance (mt102 -120)
Cross Section
96-Cm-240
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Cm240.tendl
n-Cm240.endfb8.0
Cross Section (barns)
n-Cm240.endfb8.0/n-Cm240.tendl
Ratio
Incident Energy (eV)
27
96-Cm-240