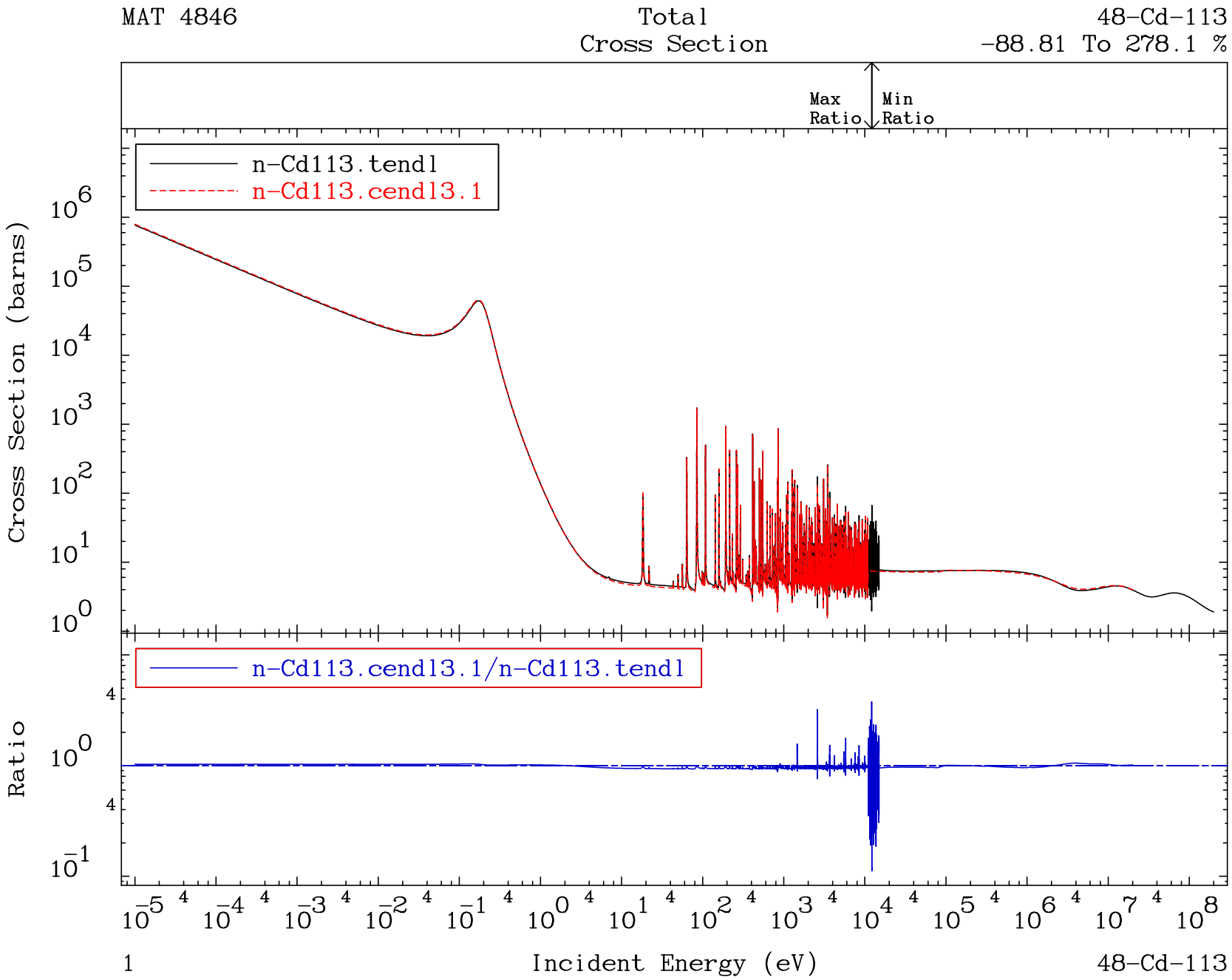
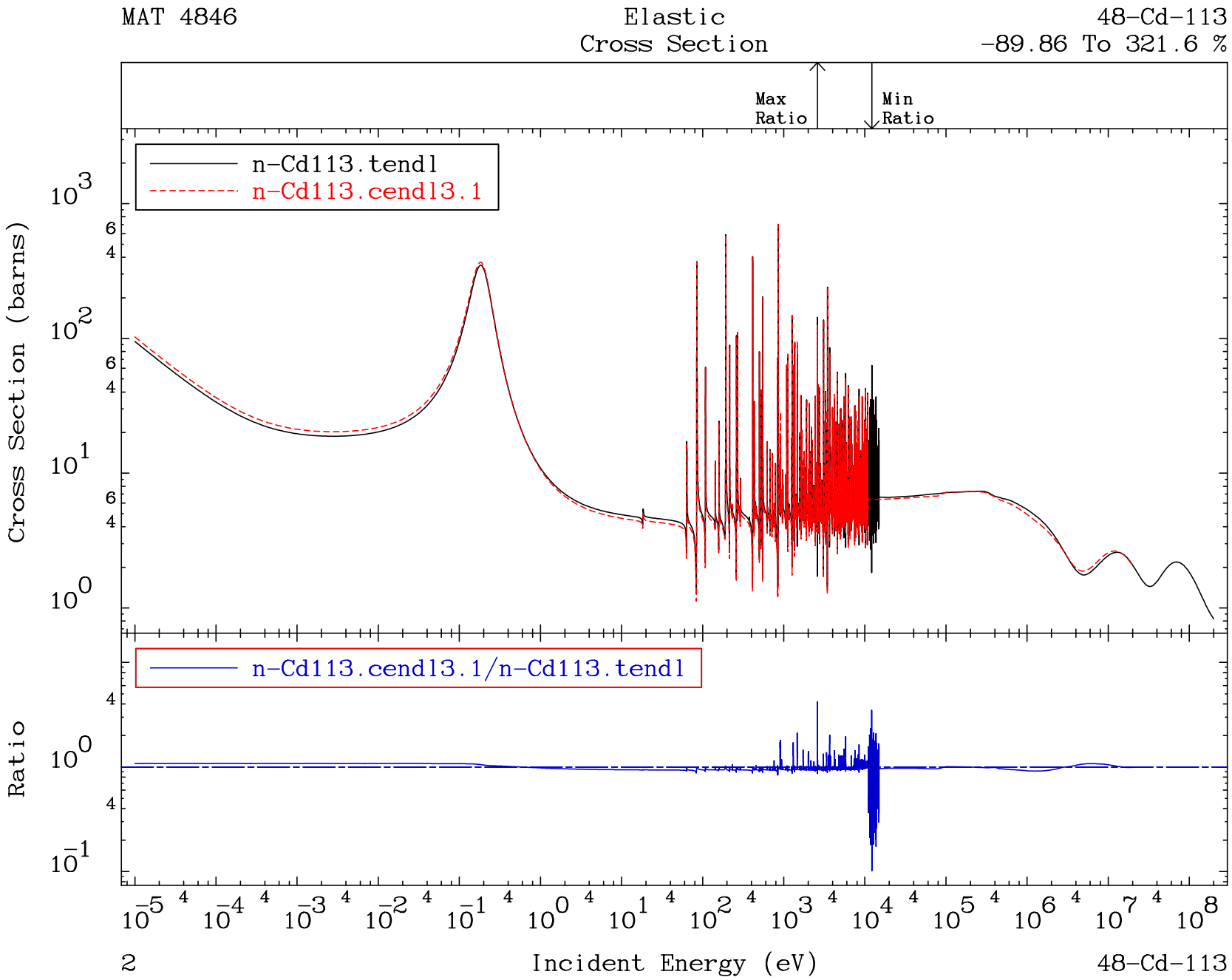
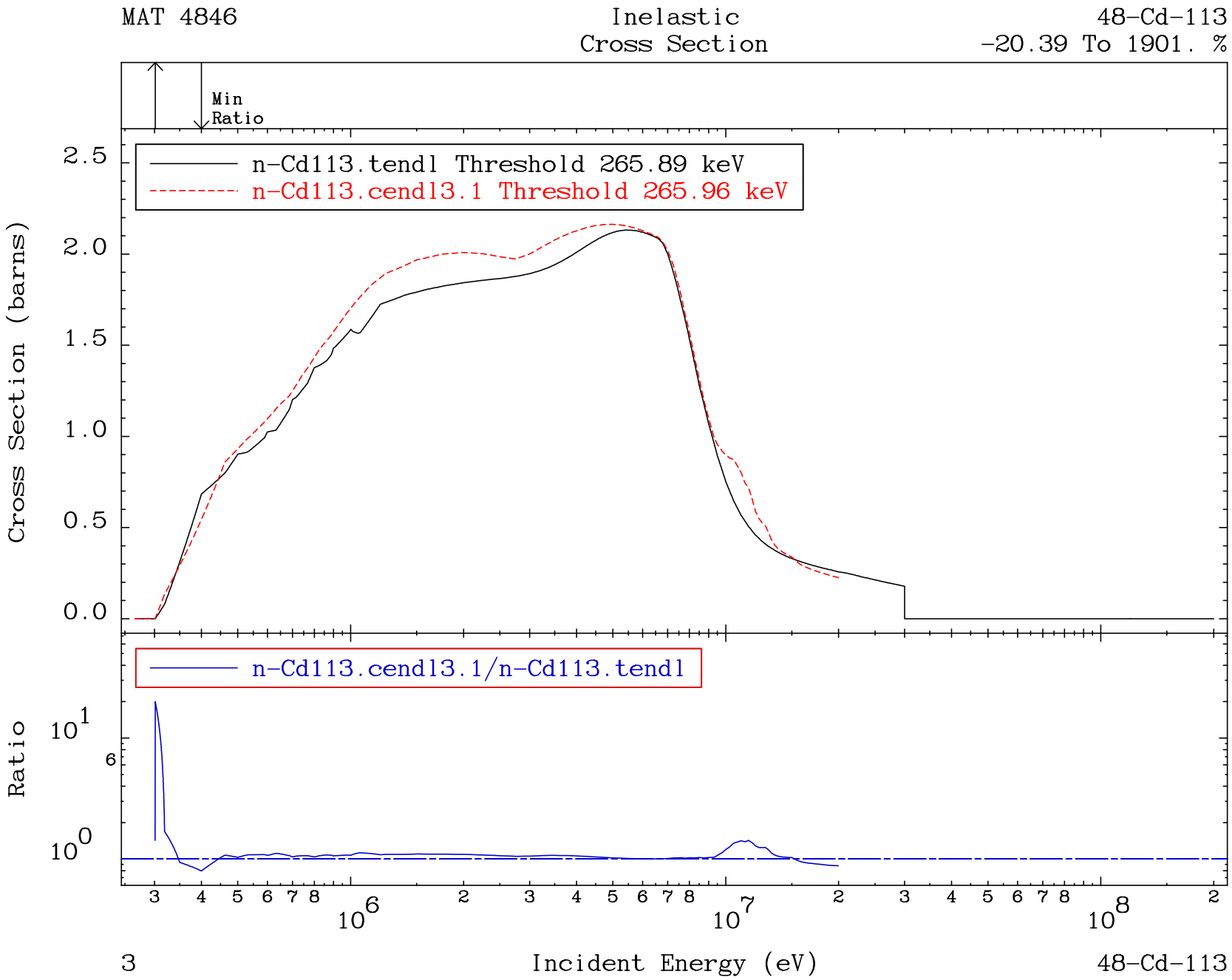
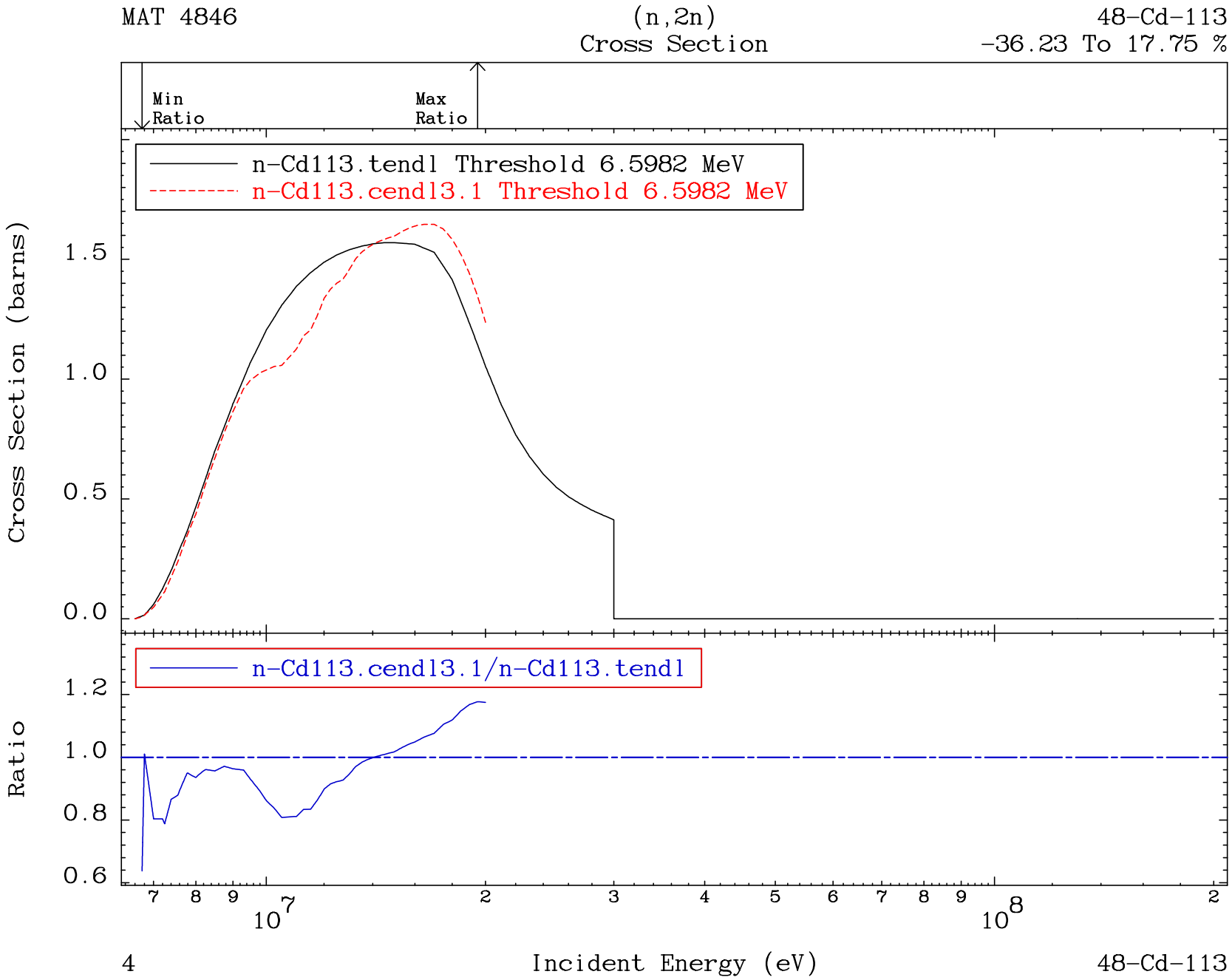
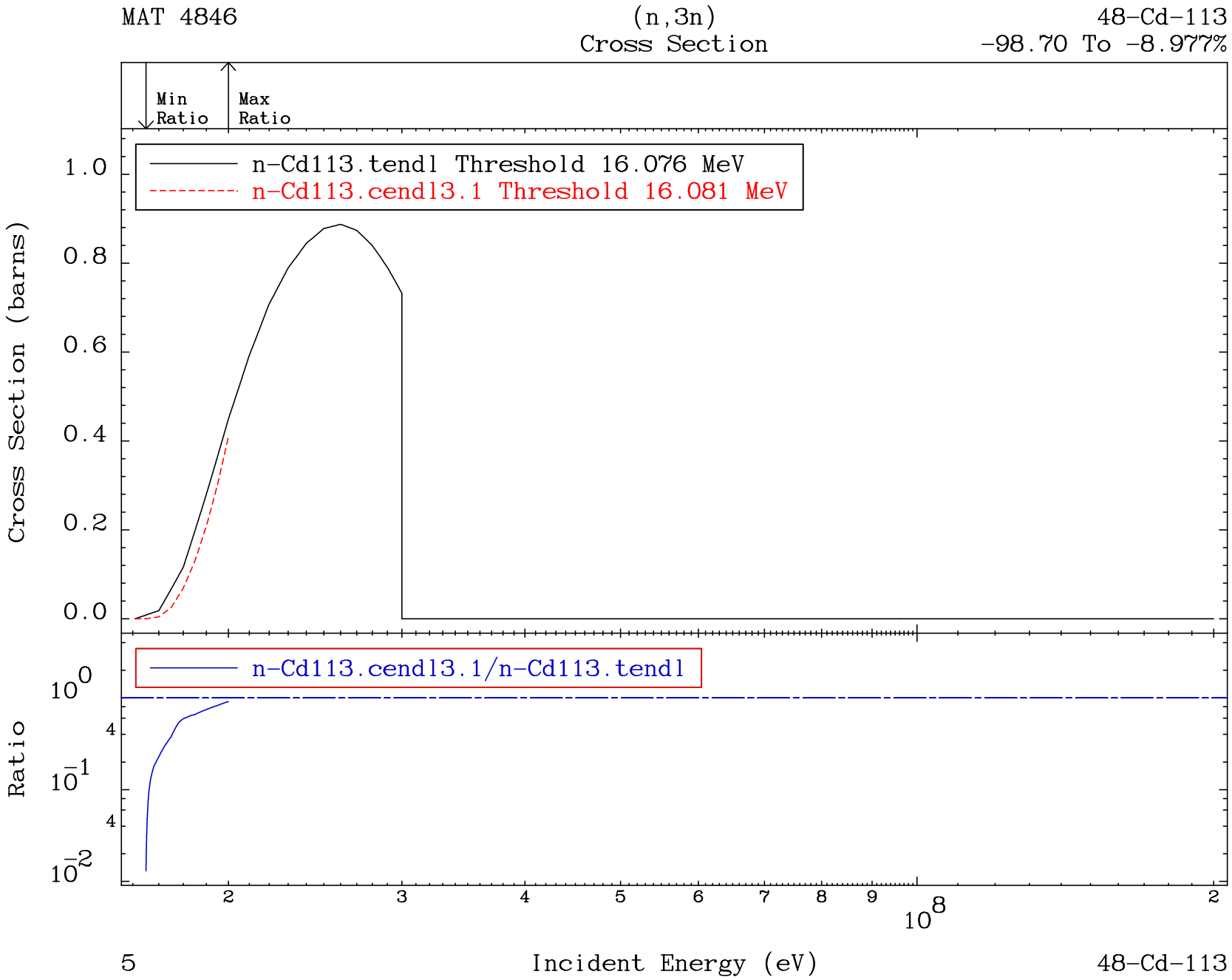
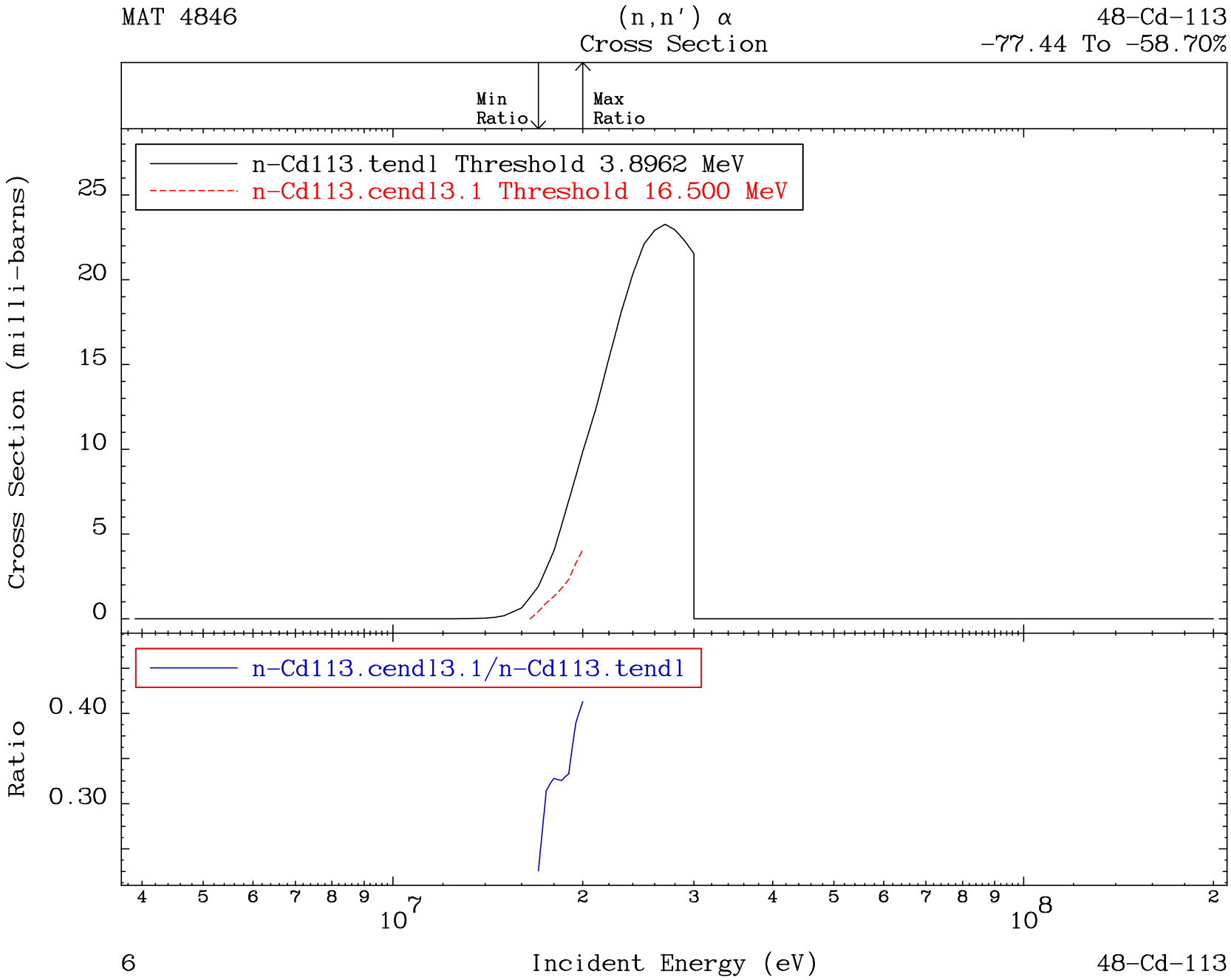

MAT 4846
Total
Cross Section
48-Cd-113
-88.81 To 278.1 %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
1
48-Cd-113

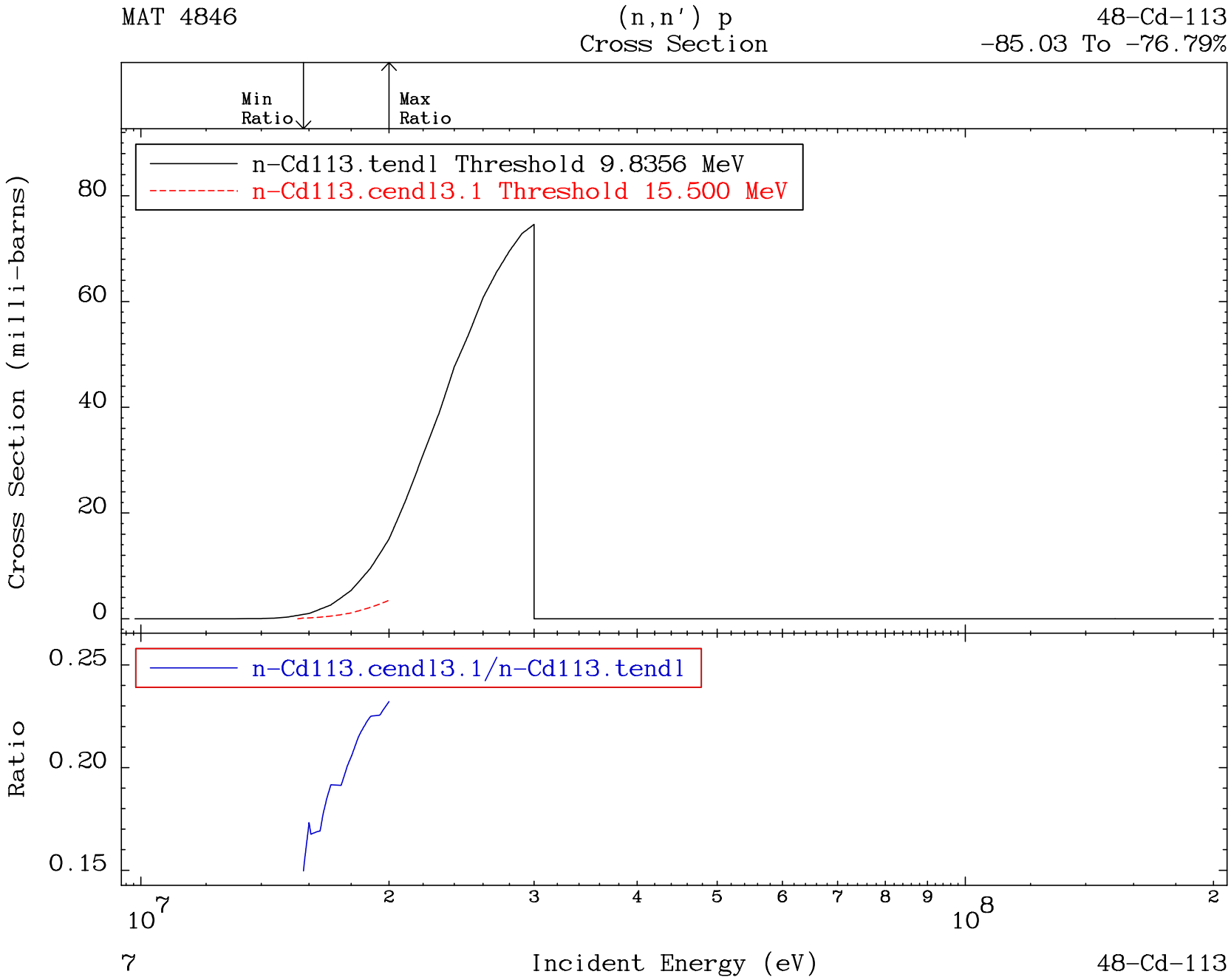

MAT 4846
Elastic
Cross Section
48-Cd-113
-89.86 To 321.6 %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
2
48-Cd-113

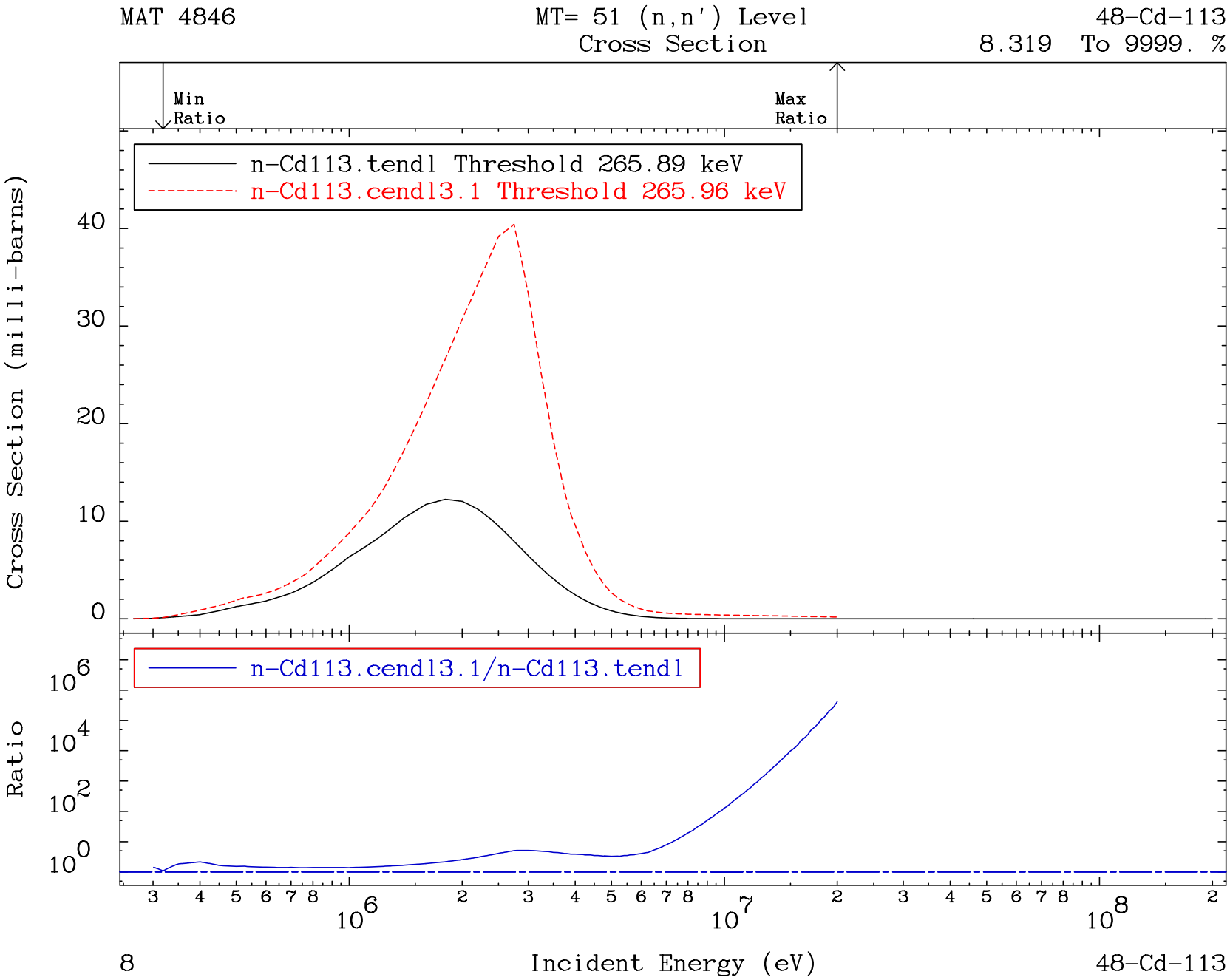

MAT 4846
Inelastic
Cross Section
48-Cd-113
-20.39 To 1901. %
Min
Ratio
n-Cd113.tendl Threshold 265.89 keV
n-Cd113.cendl3.1 Threshold 265.96 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
6
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
48-Cd-113

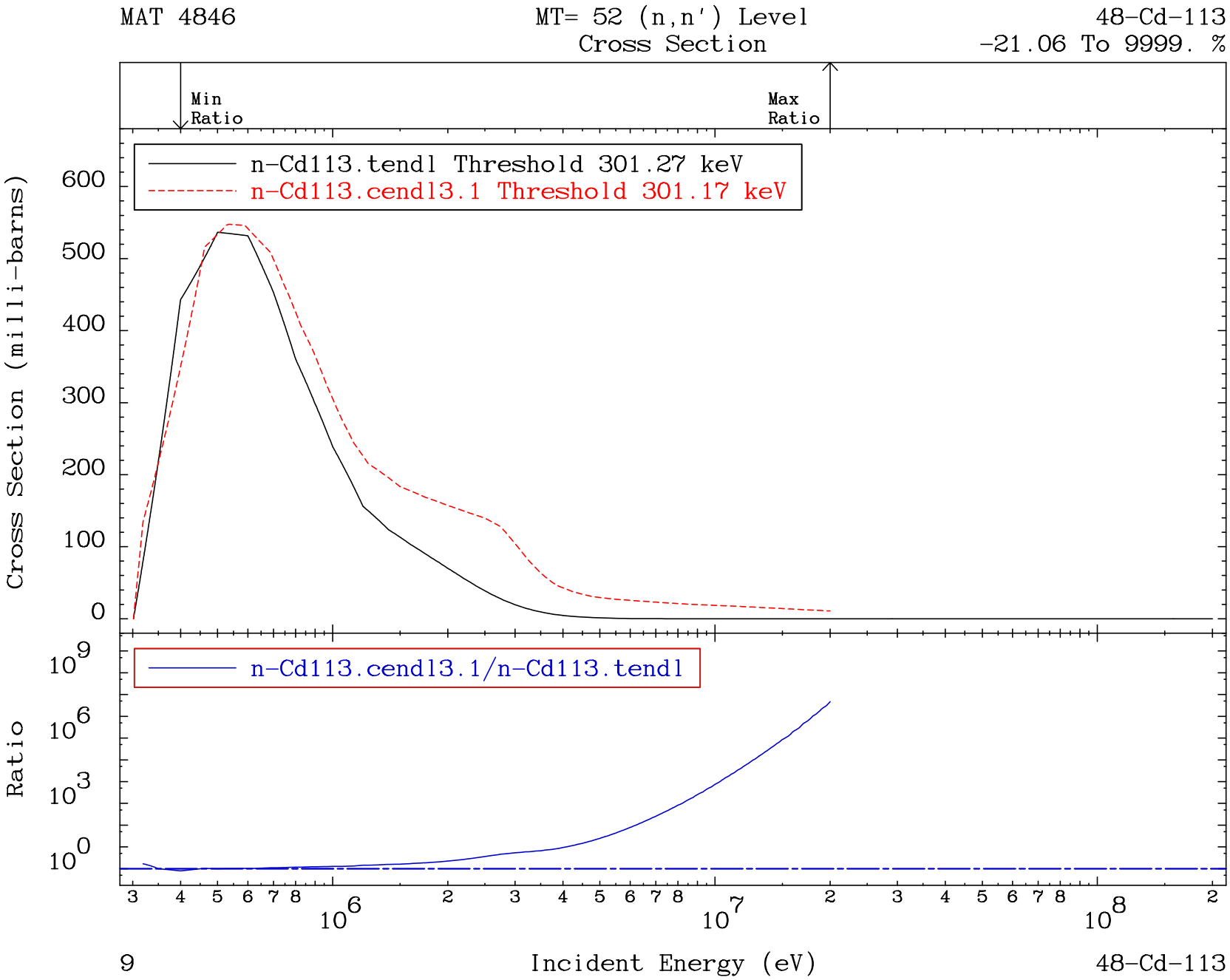

MAT 4846
(n,2n)
Cross Section
48-Cd-113
-36.23 To 17.75 %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 6.5982 MeV
n-Cd113.cendl3.1 Threshold 6.5982 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
1.2
1.0
0.8
0.6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
48-Cd-113

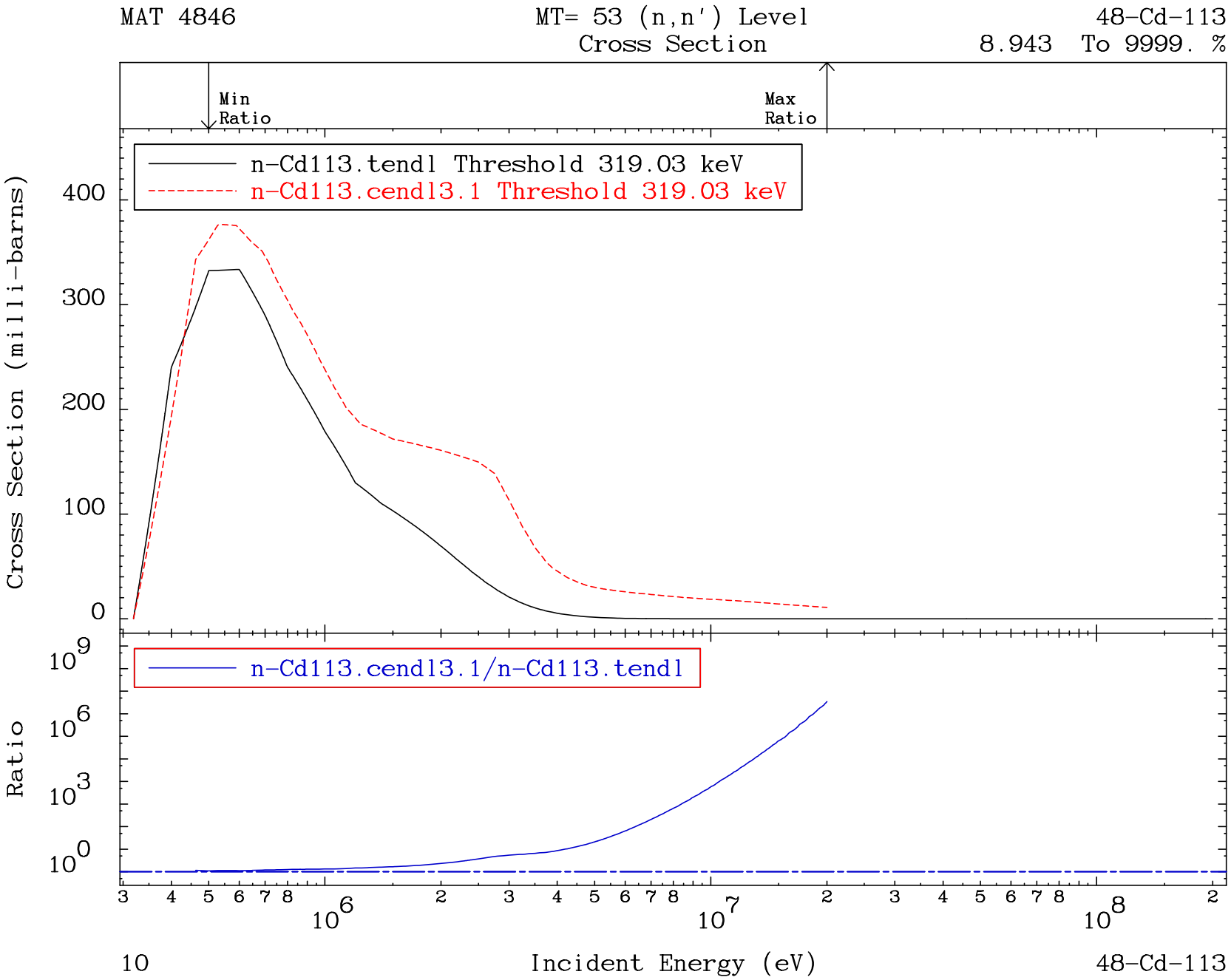

MAT 4846
(n,3n)
Cross Section
48-Cd-113
-98.70 To -8.977%
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 16.076 MeV
n-Cd113.cendl3.1 Threshold 16.081 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
48-Cd-113

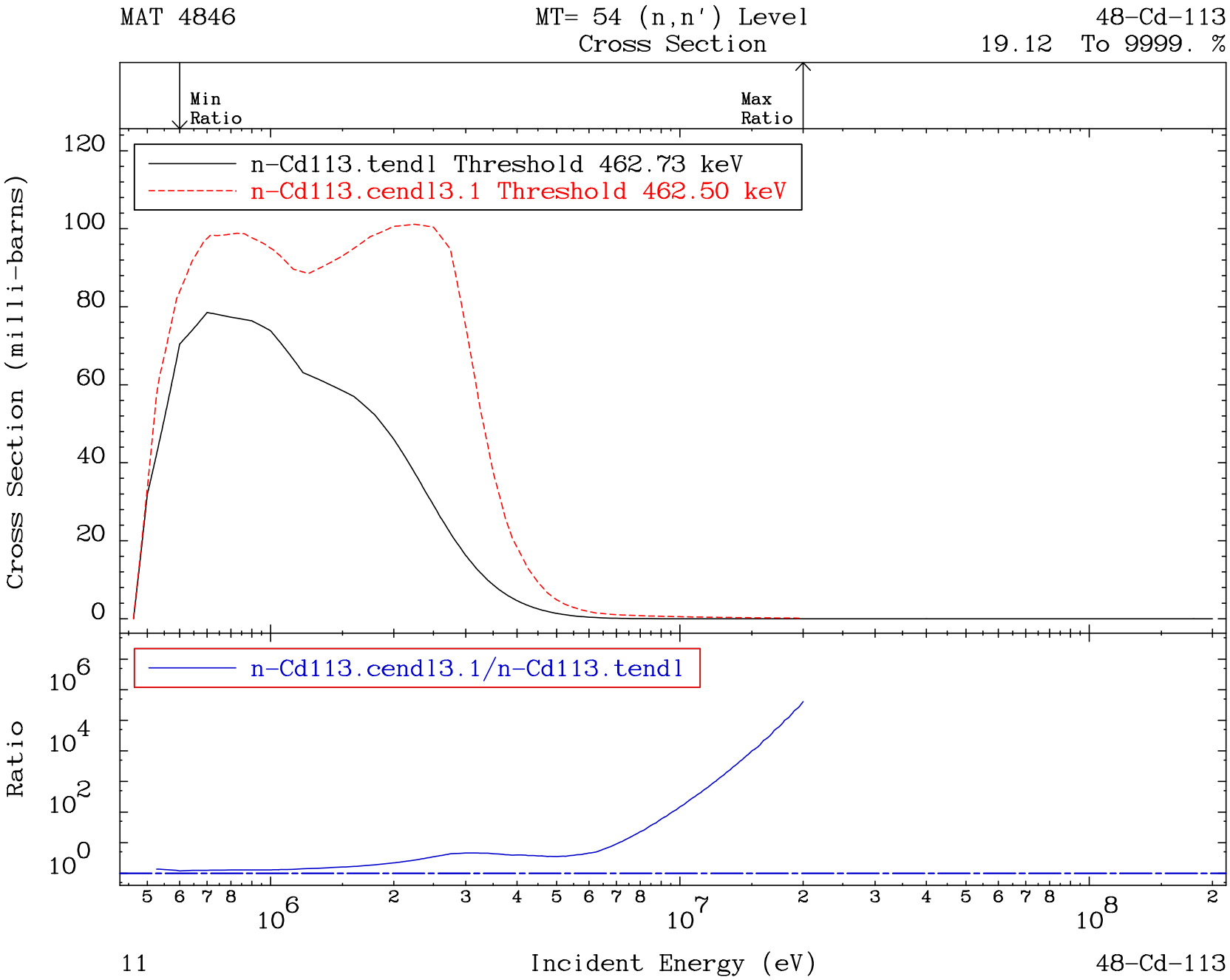

MAT 4846
(n,n') α
Cross Section
48-Cd-113
-77.44 To -58.70%
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 3.8962 MeV
n-Cd113.cendl3.1 Threshold 16.500 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
0.40
0.30
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
48-Cd-113

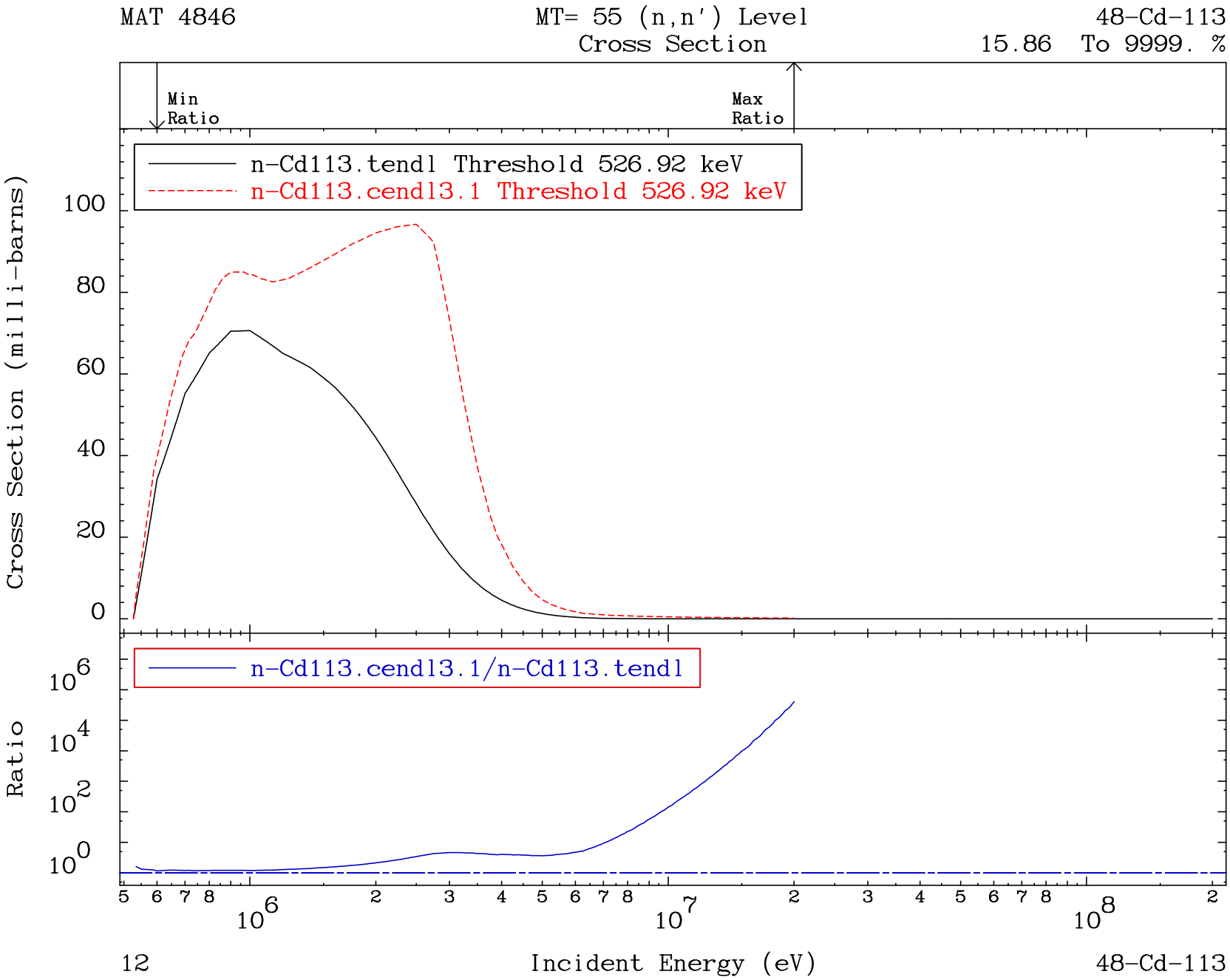

MAT 4846
(n,n') p
Cross Section
48-Cd-113
-85.03 To -76.79%
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 9.8356 MeV
n-Cd113.cendl3.1 Threshold 15.500 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
0.25
0.20
0.15
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
48-Cd-113

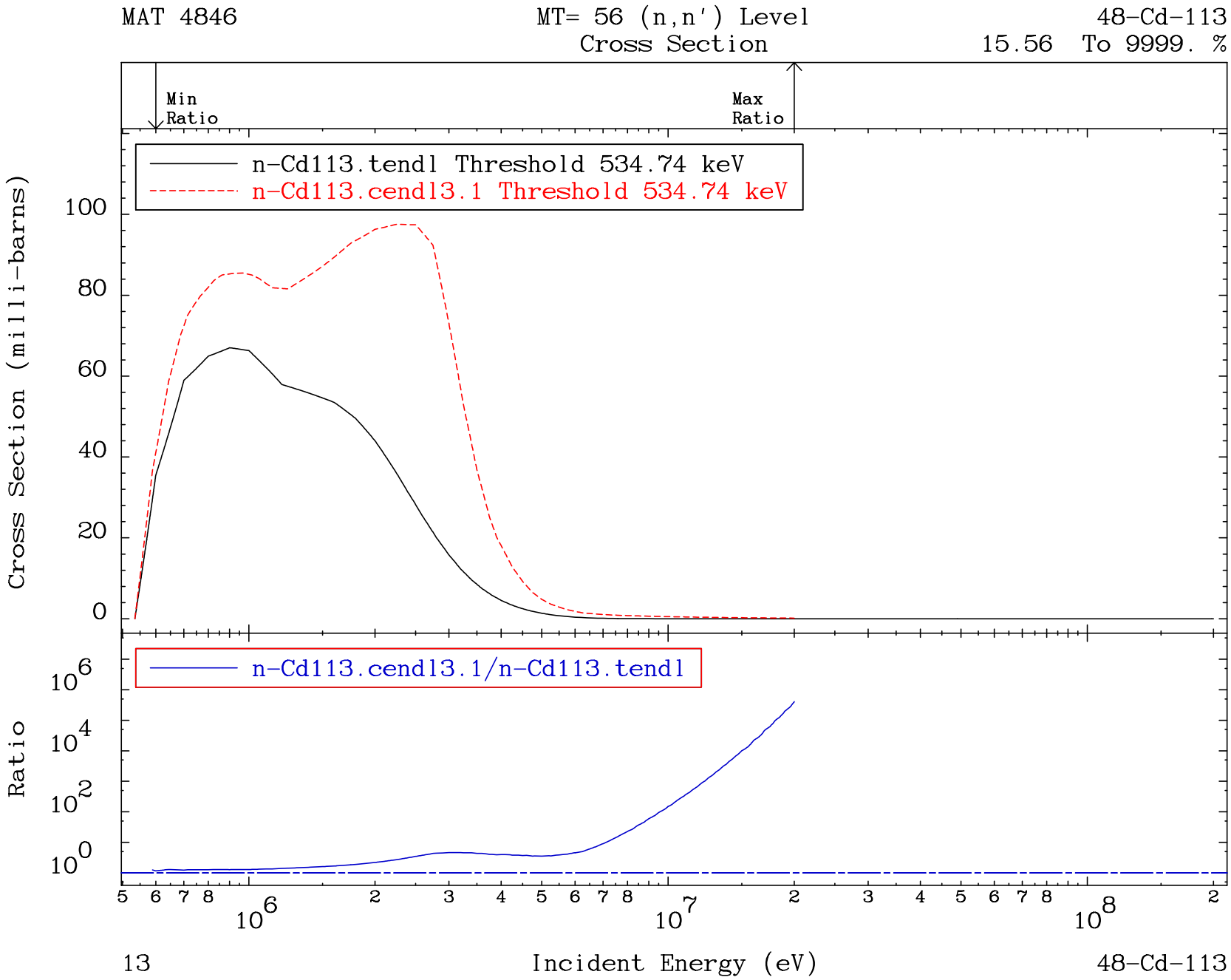

MAT 4846
MT= 51 (n,n') Level
Cross Section
48-Cd-113
8.319 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 265.89 keV
n-Cd113.cendl3.1 Threshold 265.96 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
8
Incident Energy (eV)
48-Cd-113

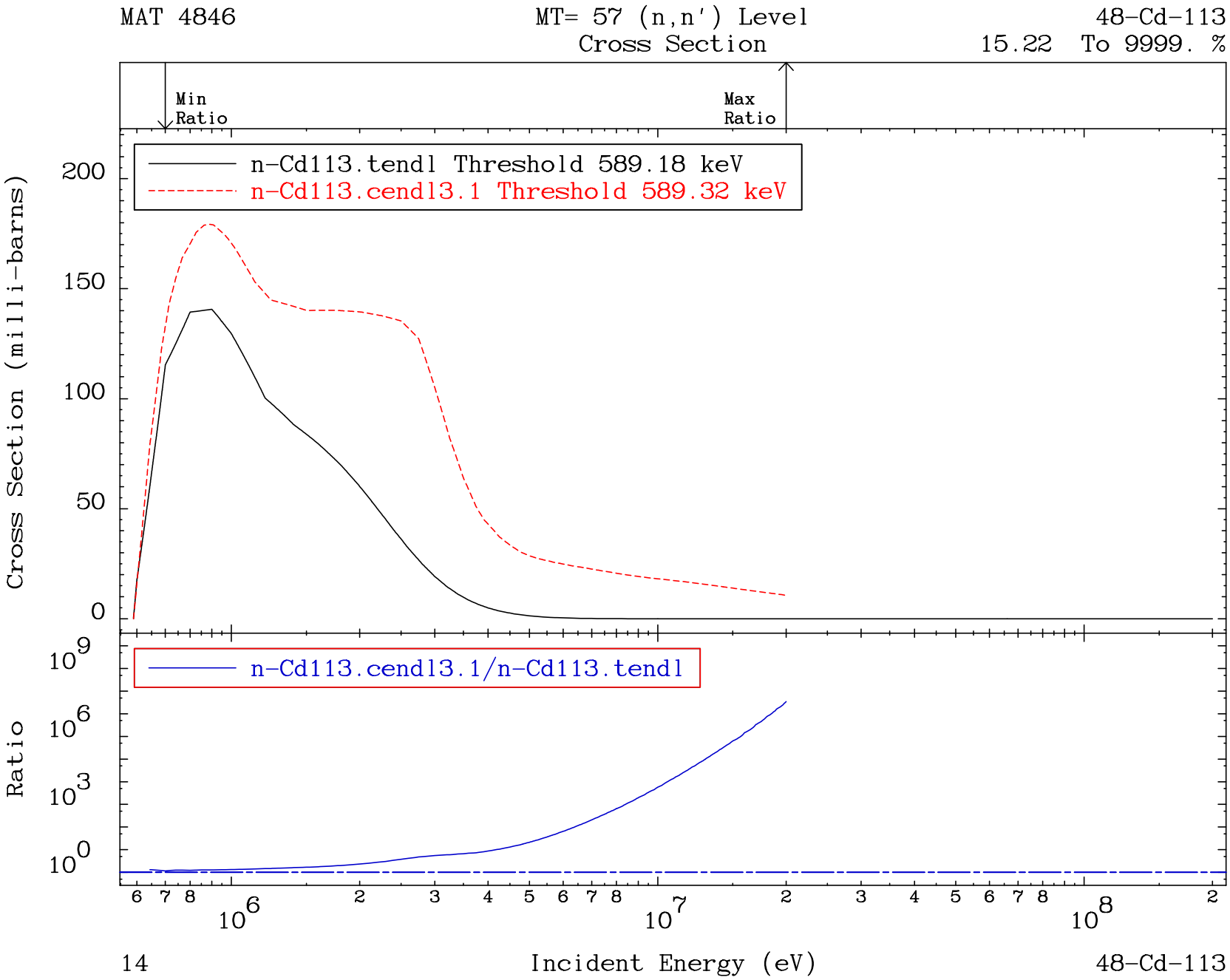

MAT 4846
MT= 52 (n,n') Level
Cross Section
48-Cd-113
-21.06 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 301.27 keV
n-Cd113.cendl3.1 Threshold 301.17 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
48-Cd-113

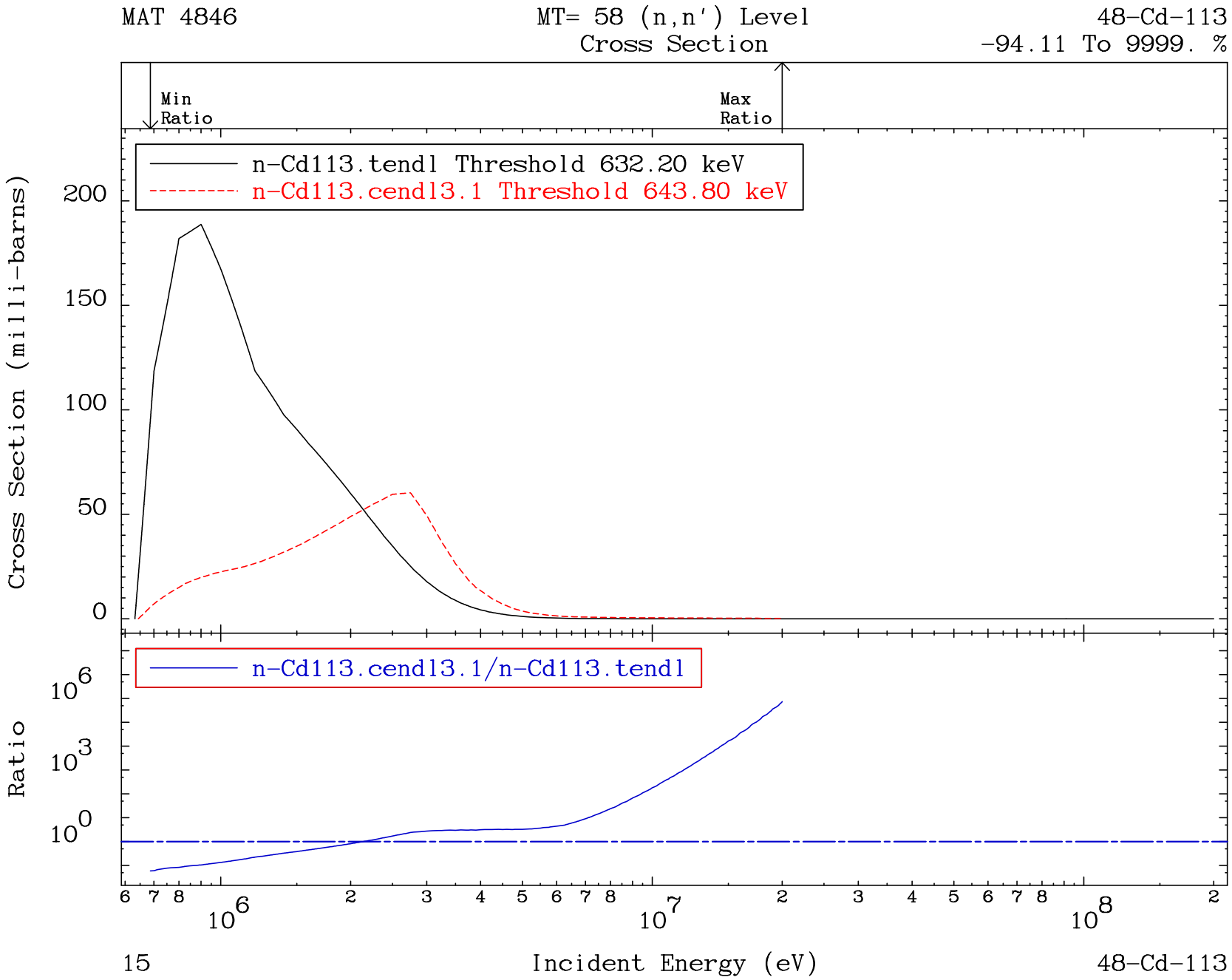

MAT 4846
MT= 53 (n,n') Level
Cross Section
48-Cd-113
8.943 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 319.03 keV
n-Cd113.cendl3.1 Threshold 319.03 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
48-Cd-113

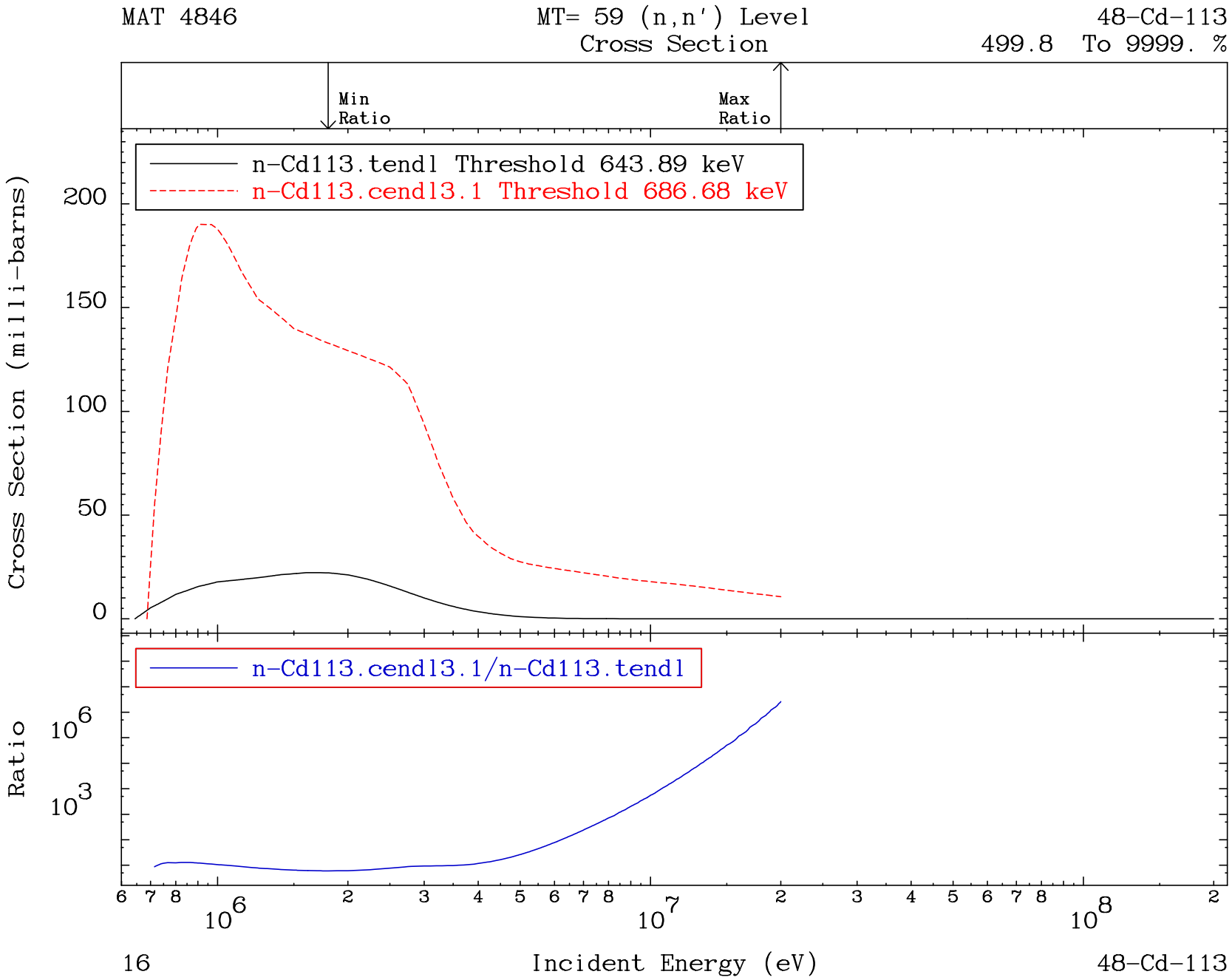

MAT 4846
MT= 54 (n,n') Level
Cross Section
48-Cd-113
19.12 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 462.73 keV
n-Cd113.cendl3.1 Threshold 462.50 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
48-Cd-113

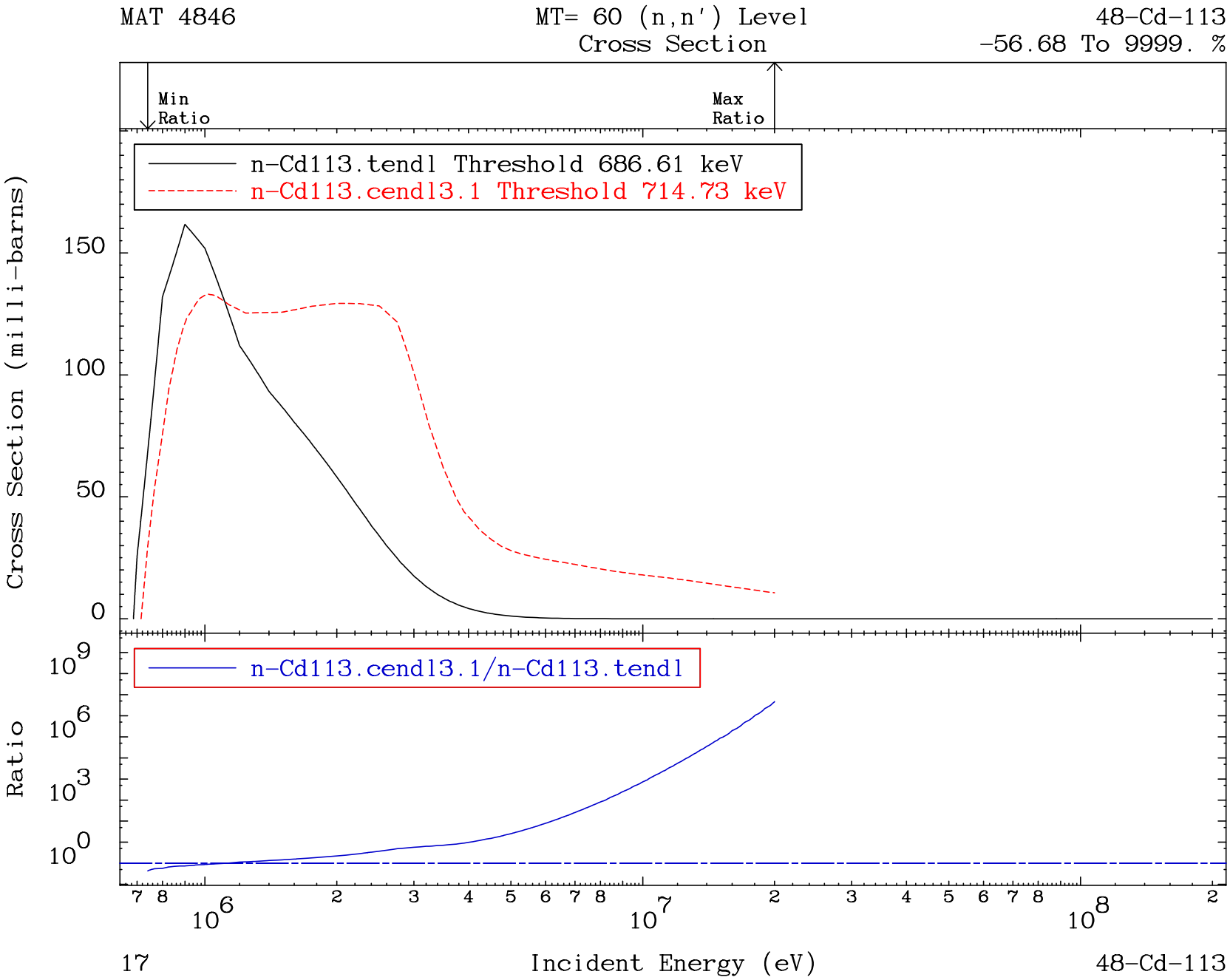

MAT 4846
MT= 55 (n,n') Level
Cross Section
48-Cd-113
15.86 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 526.92 keV
n-Cd113.cendl3.1 Threshold 526.92 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
48-Cd-113

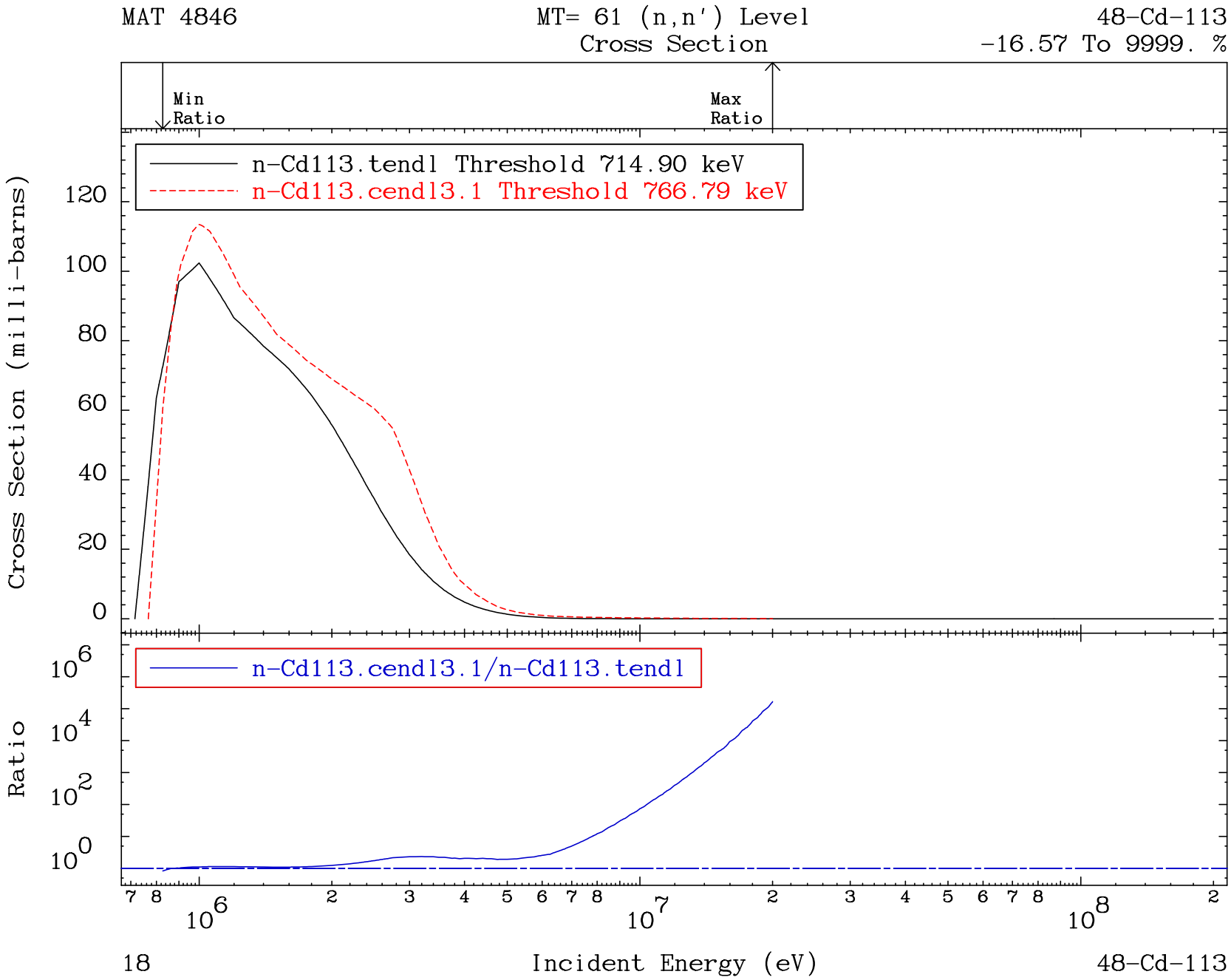

MAT 4846
MT= 56 (n,n') Level
Cross Section
48-Cd-113
15.56 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 534.74 keV
n-Cd113.cendl3.1 Threshold 534.74 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
48-Cd-113

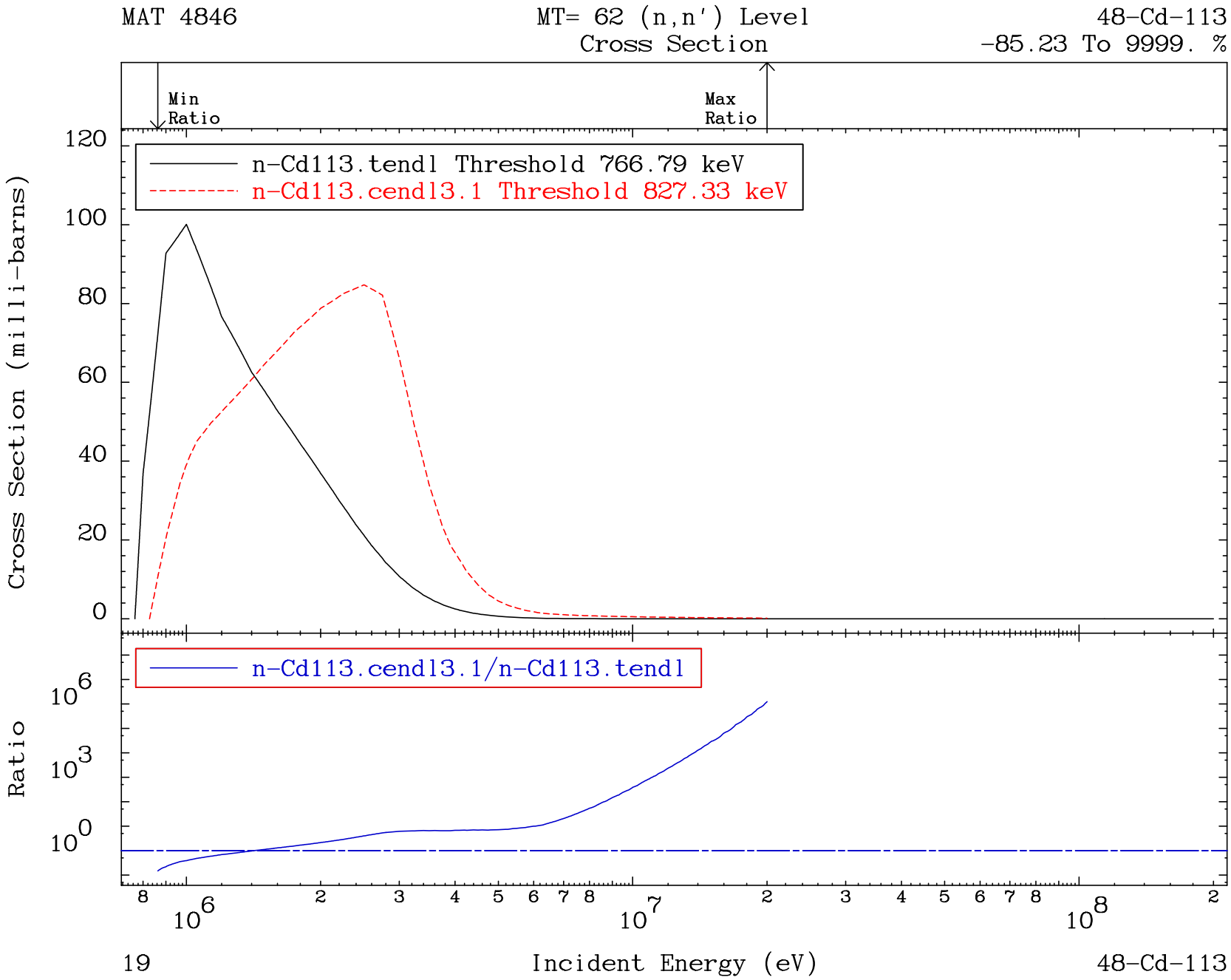

MAT 4846
MT= 57 (n,n') Level
Cross Section
48-Cd-113
15.22 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 589.18 keV
n-Cd113.cendl3.1 Threshold 589.32 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
48-Cd-113

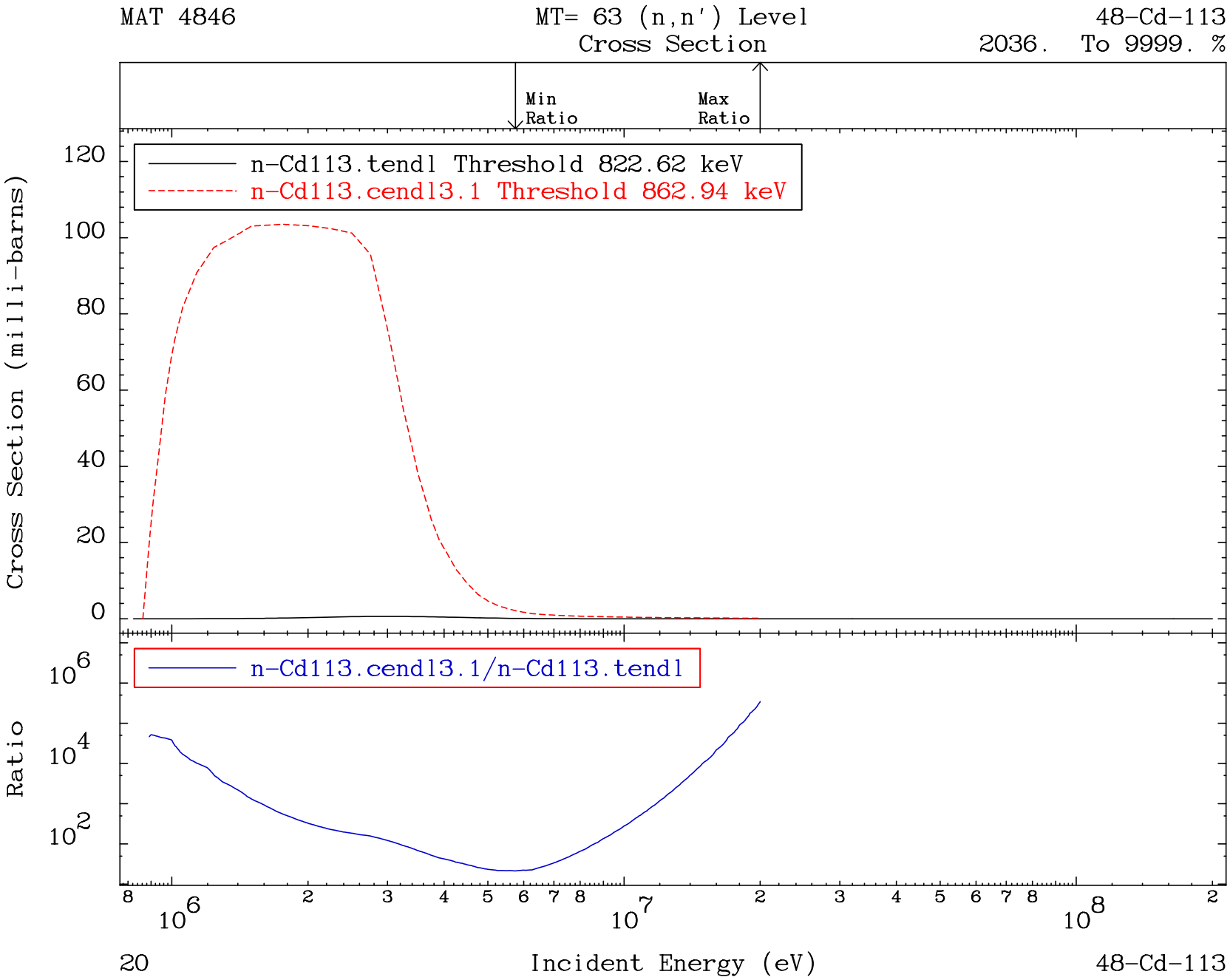

MAT 4846
MT= 58 (n,n') Level
Cross Section
48-Cd-113
-94.11 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 632.20 keV
n-Cd113.cendl3.1 Threshold 643.80 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^3
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
48-Cd-113

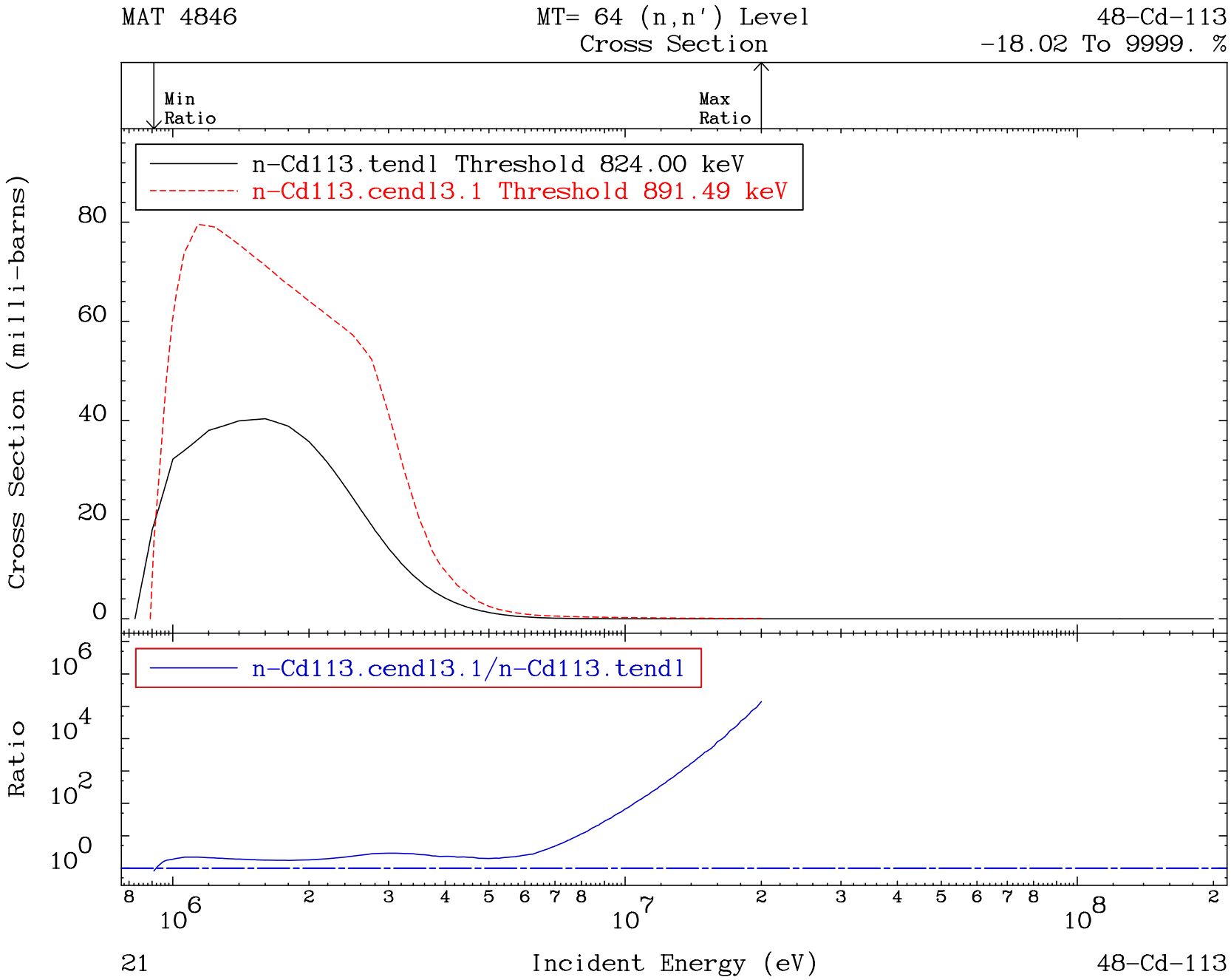

MAT 4846
MT= 59 (n,n') Level
Cross Section
48-Cd-113
499.8 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 643.89 keV
n-Cd113.cendl3.1 Threshold 686.68 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^3
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
48-Cd-113

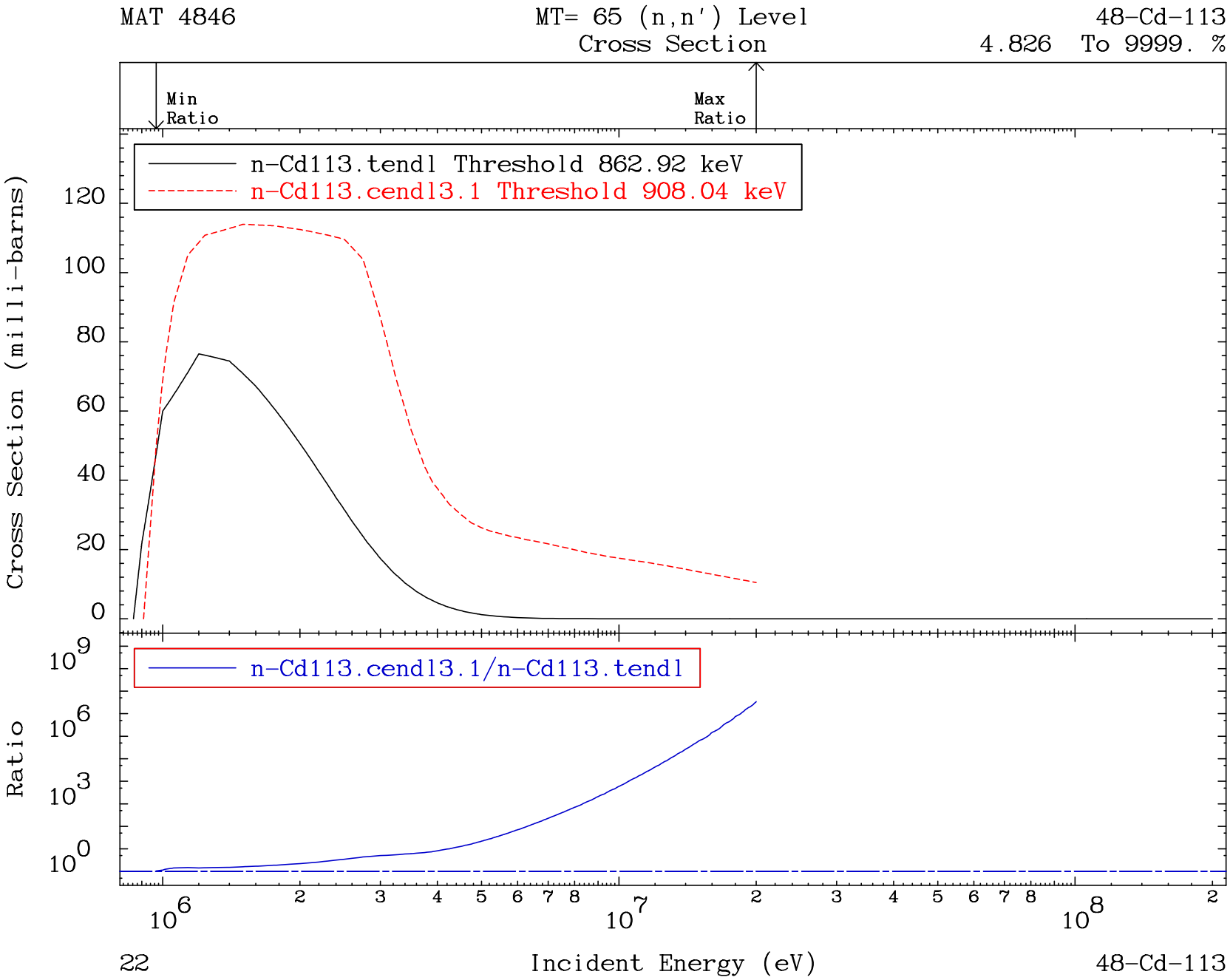

MAT 4846
MT= 60 (n,n') Level
Cross Section
48-Cd-113
-56.68 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 686.61 keV
n-Cd113.cendl3.1 Threshold 714.73 keV
Cross Section (milli-barns)
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
48-Cd-113

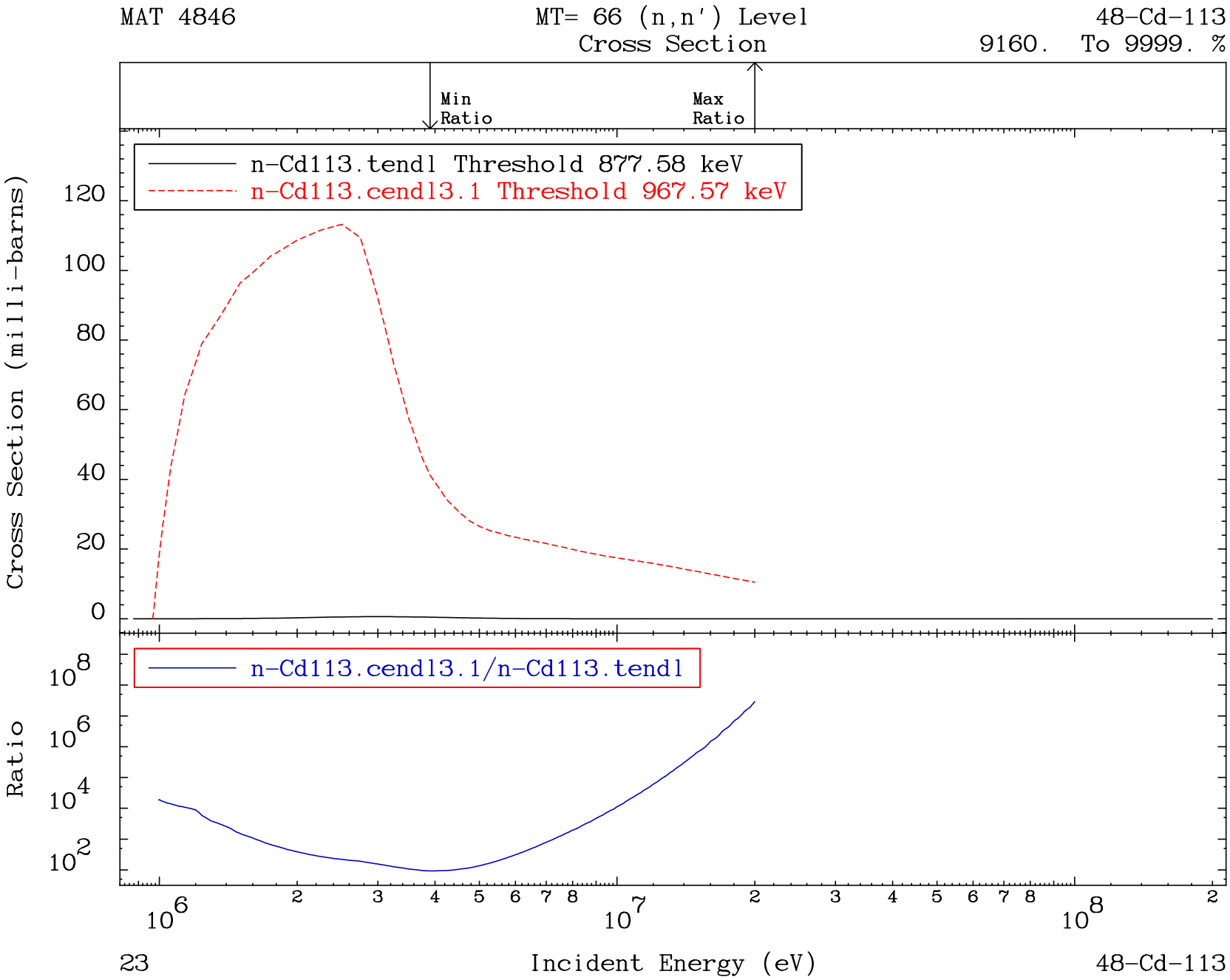

MAT 4846
MT= 61 (n,n') Level
Cross Section
48-Cd-113
-16.57 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 714.90 keV
n-Cd113.cendl3.1 Threshold 766.79 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
48-Cd-113

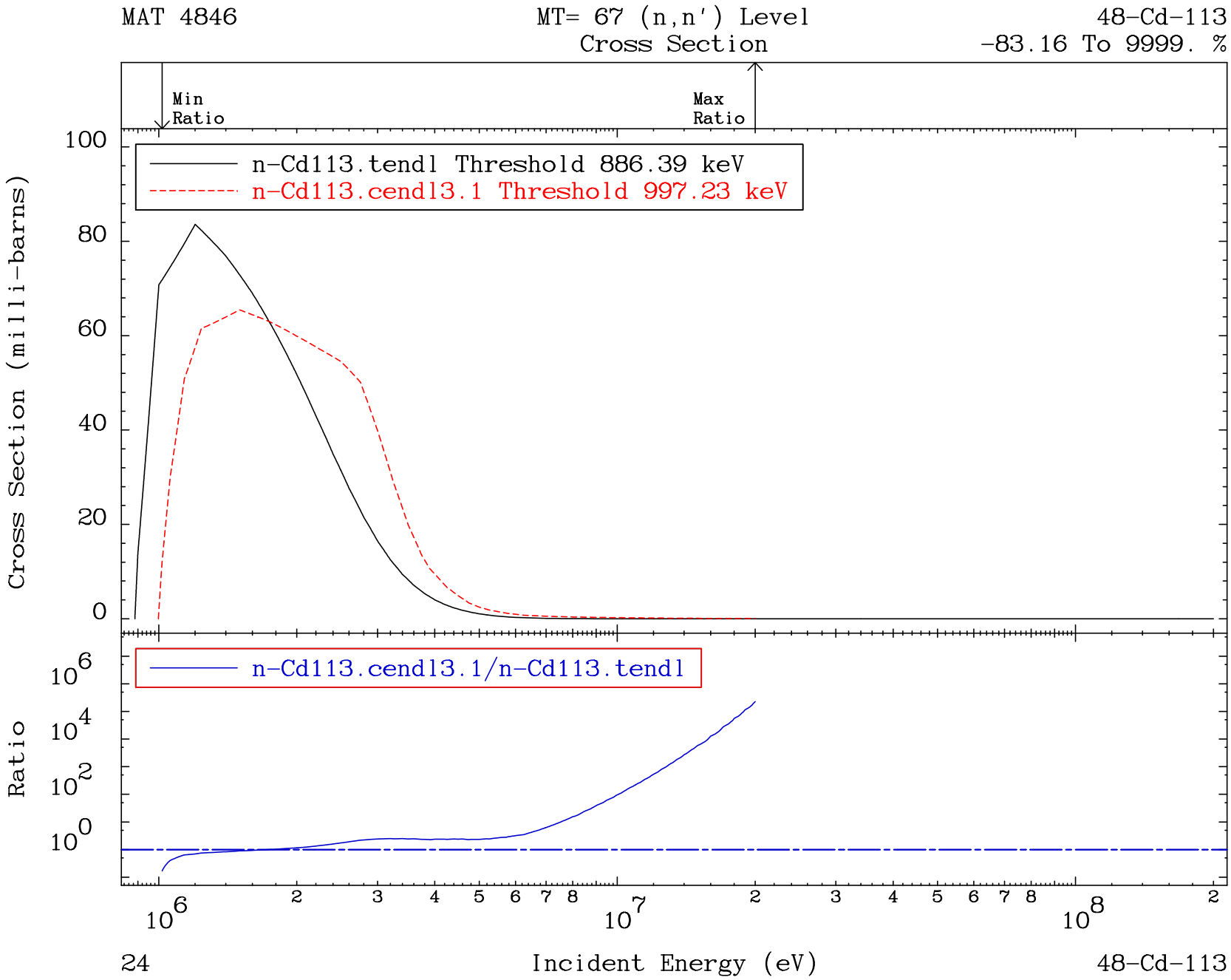

MAT 4846
MT= 62 (n,n') Level
Cross Section
48-Cd-113
-85.23 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 766.79 keV
n-Cd113.cendl3.1 Threshold 827.33 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
48-Cd-113

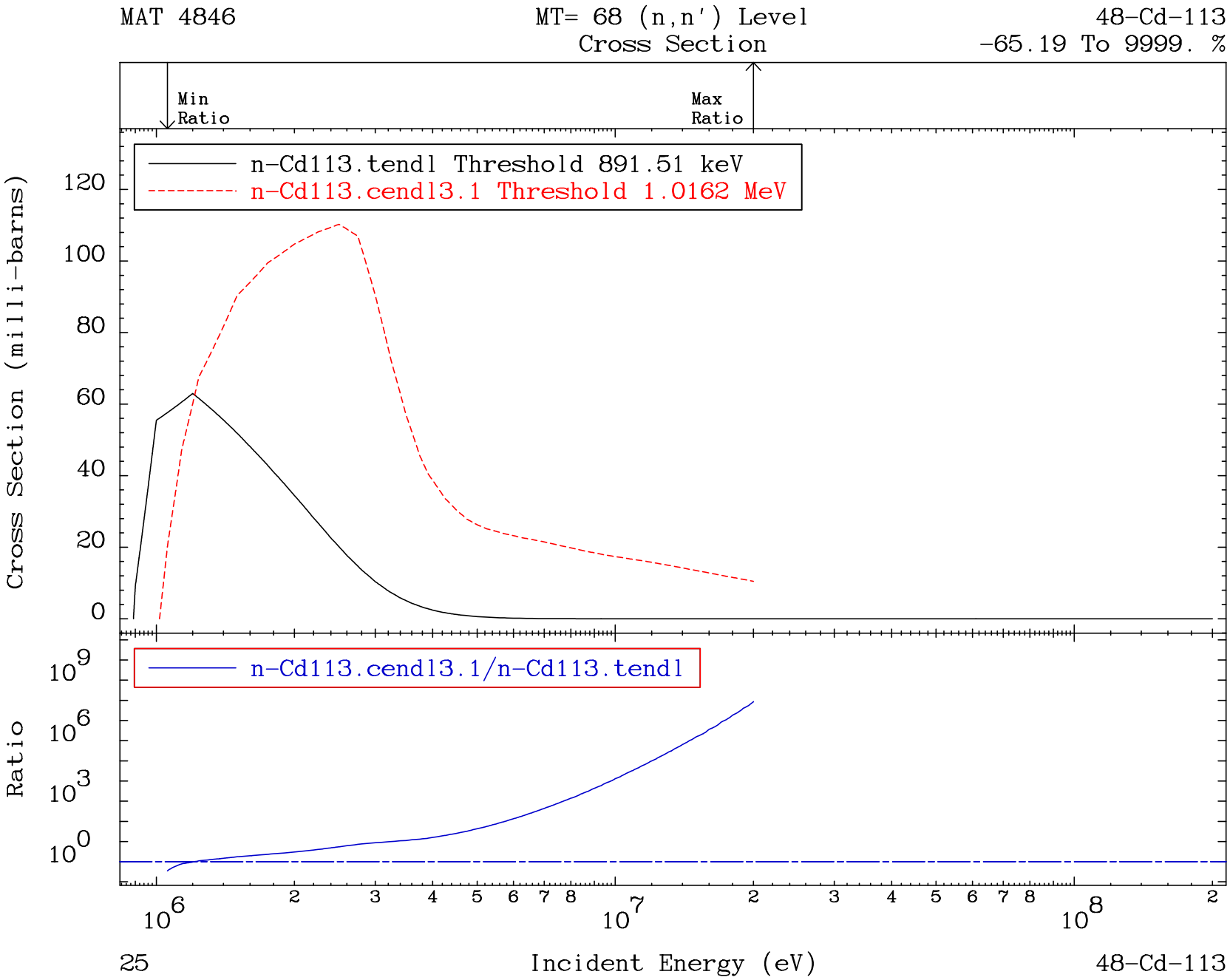

MAT 4846
MT= 63 (n,n') Level
Cross Section
48-Cd-113
2036. To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 822.62 keV
n-Cd113.cendl3.1 Threshold 862.94 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
48-Cd-113

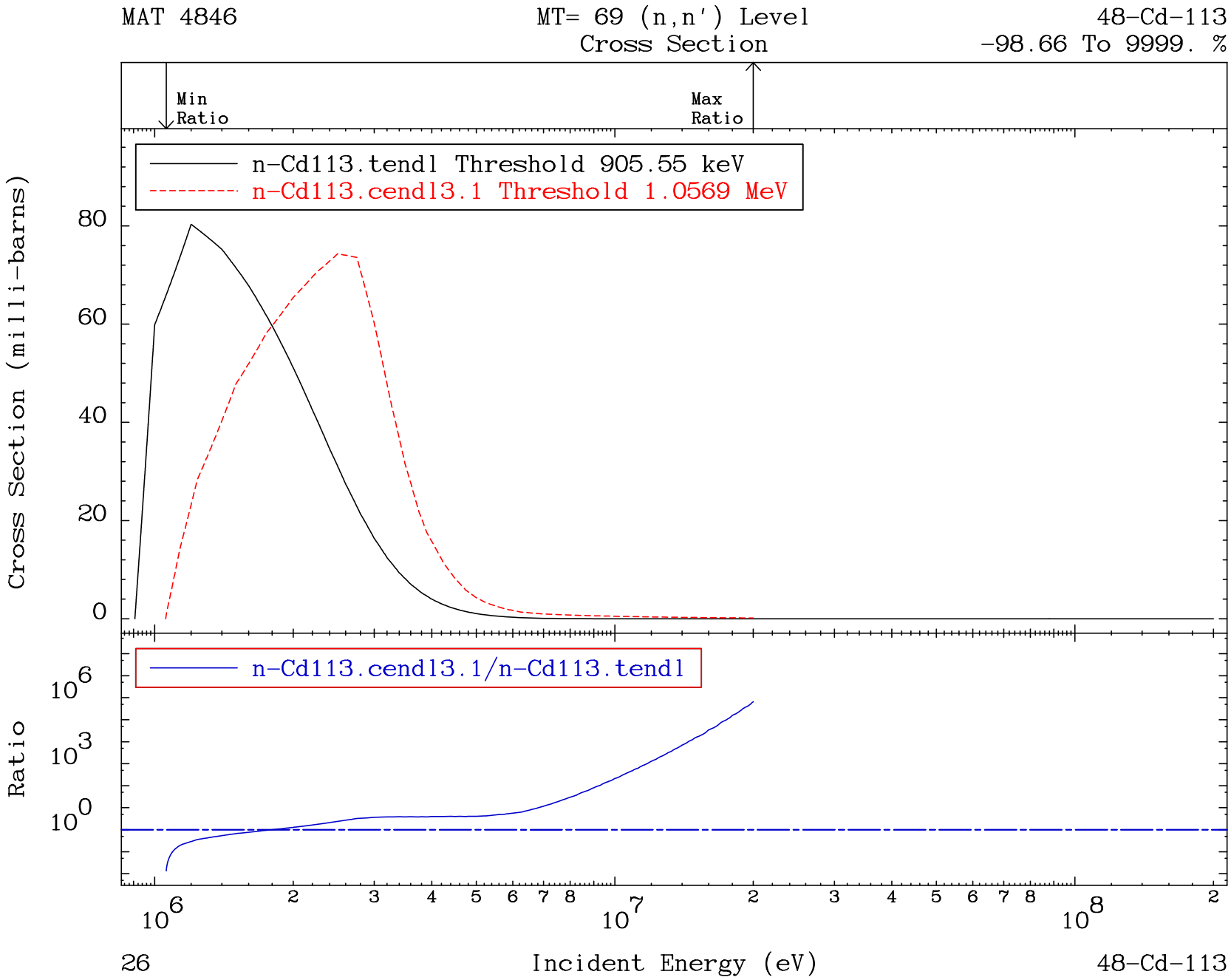

MAT 4846
MT= 64 (n,n') Level
Cross Section
48-Cd-113
-18.02 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 824.00 keV
n-Cd113.cendl3.1 Threshold 891.49 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
48-Cd-113

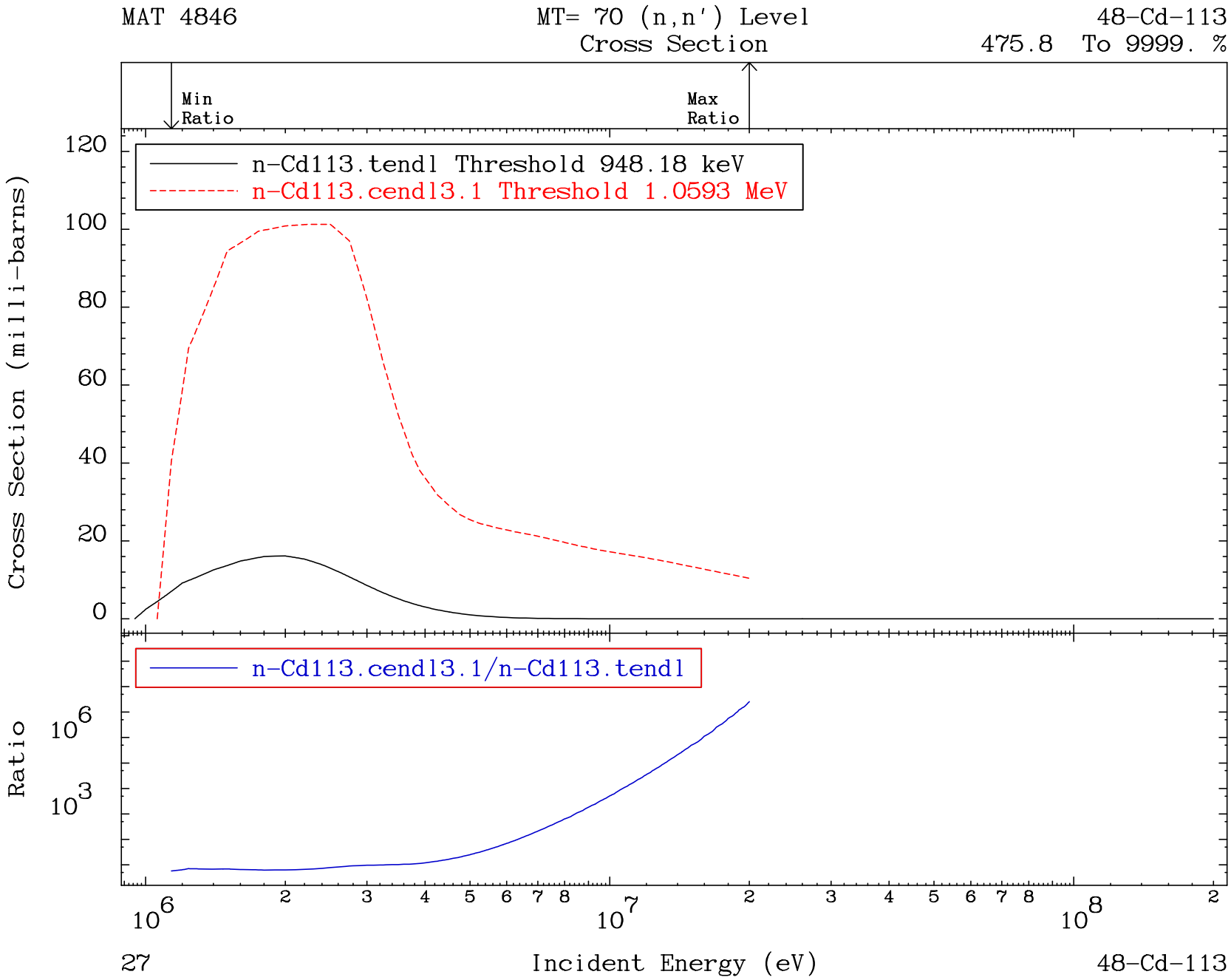

MAT 4846
MT= 65 (n,n') Level
Cross Section
48-Cd-113
4.826 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 862.92 keV
n-Cd113.cendl3.1 Threshold 908.04 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
48-Cd-113

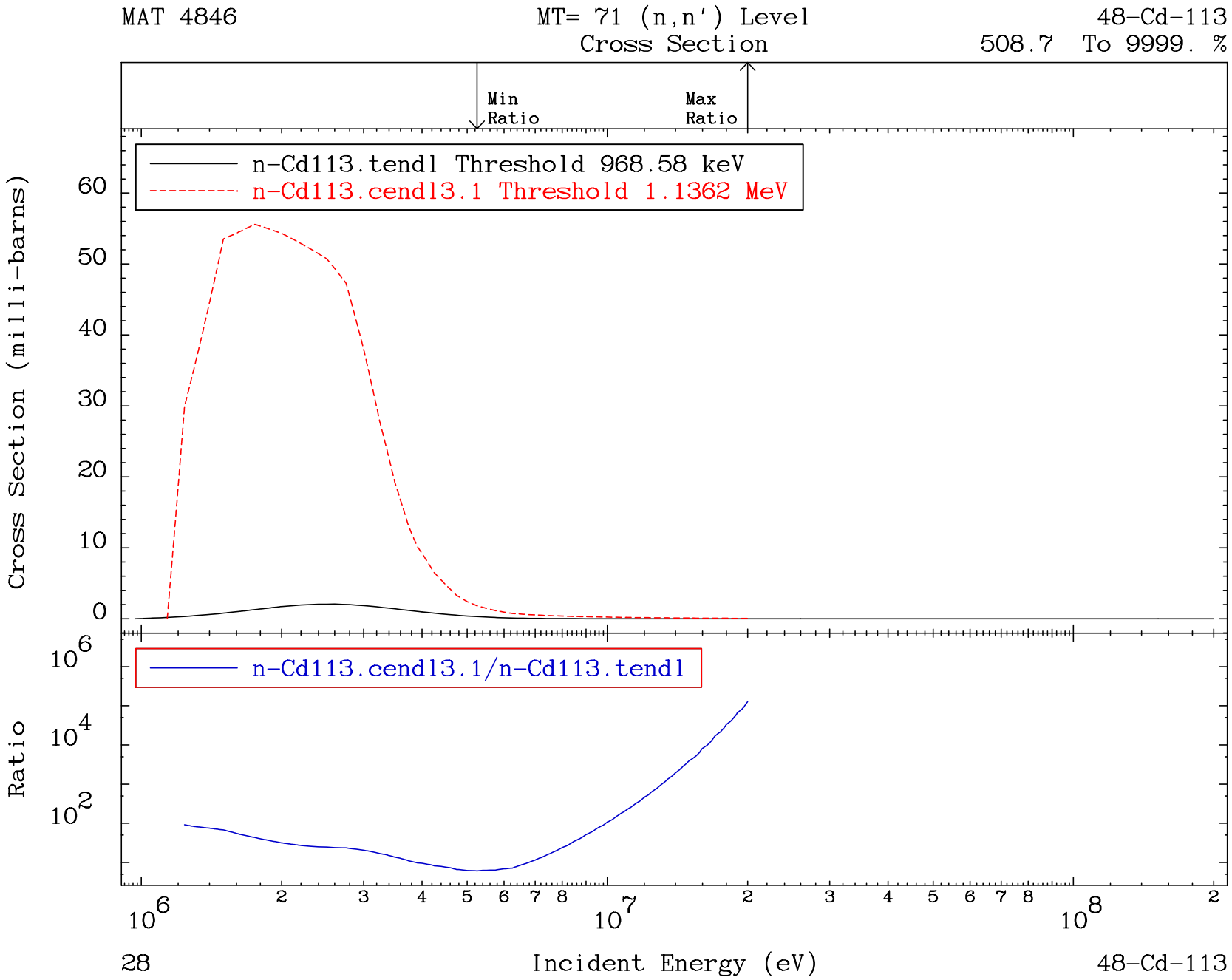

MAT 4846
MT= 66 (n,n') Level
Cross Section
48-Cd-113
9160. To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 877.58 keV
n-Cd113.cendl3.1 Threshold 967.57 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^8
10^6
10^4
10^2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
48-Cd-113

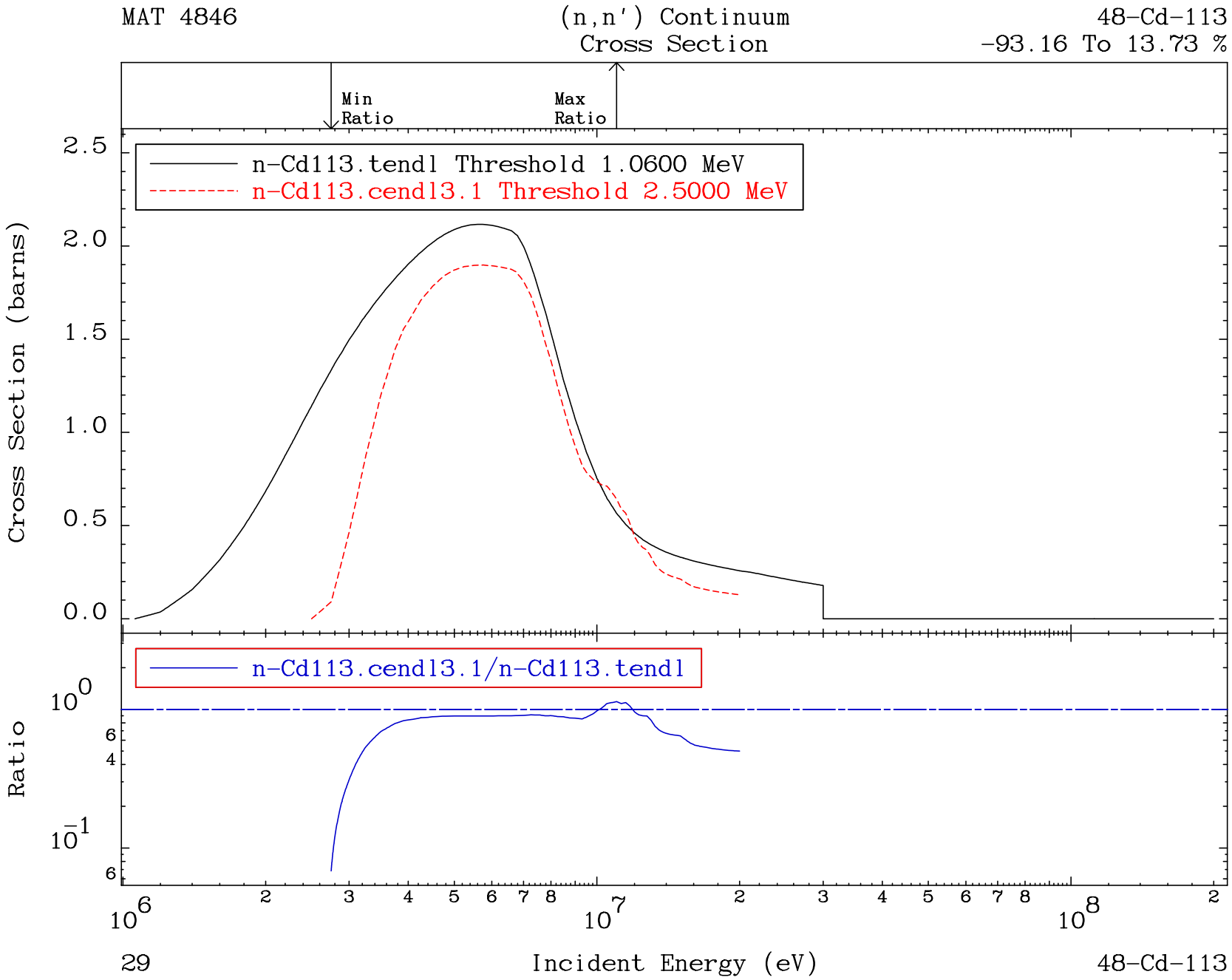

MAT 4846
MT= 67 (n,n') Level
Cross Section
48-Cd-113
-83.16 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 886.39 keV
n-Cd113.cendl3.1 Threshold 997.23 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
48-Cd-113

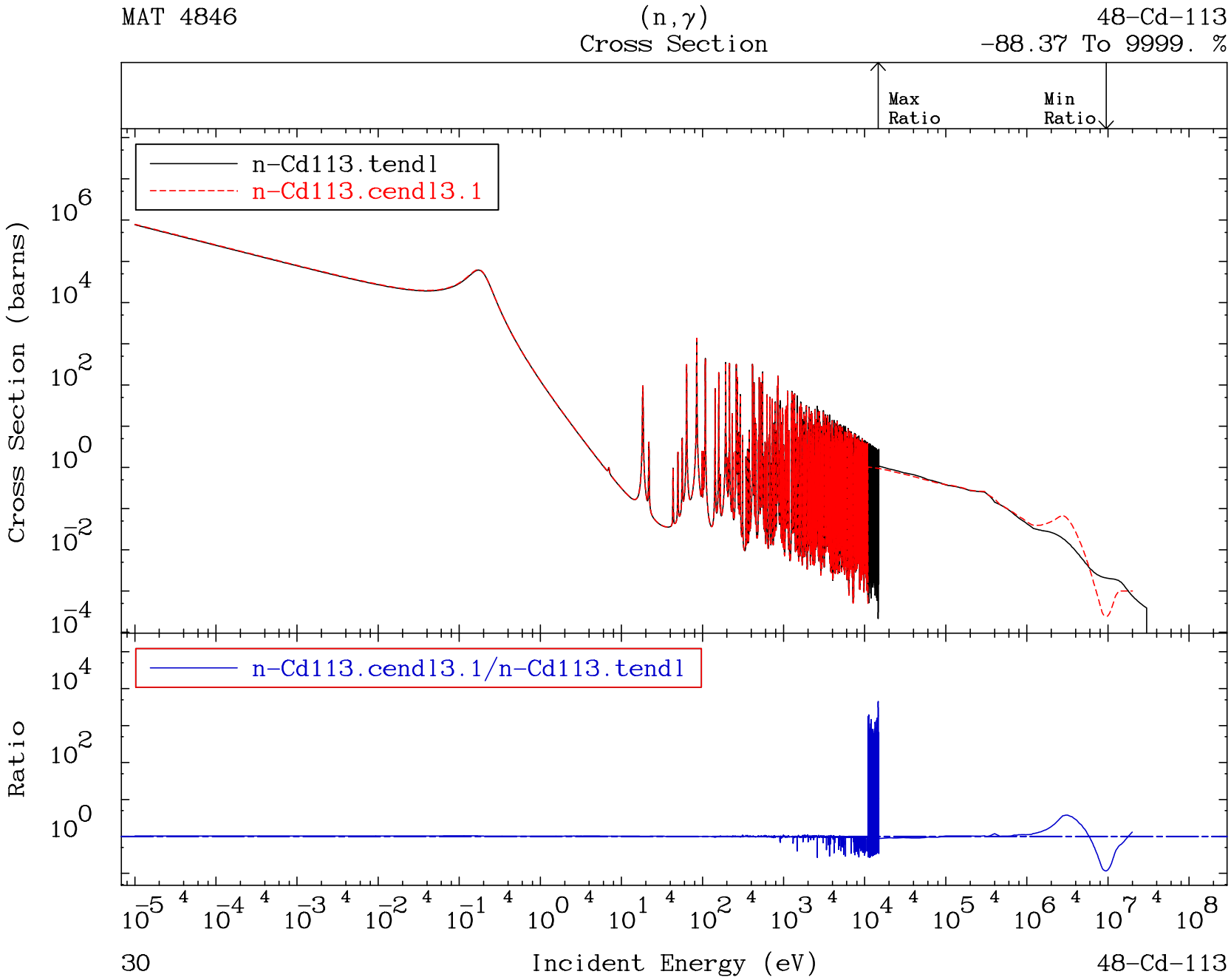

MAT 4846
MT= 68 (n,n') Level
Cross Section
48-Cd-113
-65.19 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 891.51 keV
n-Cd113.cendl3.1 Threshold 1.0162 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^9
10^6
10^3
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
48-Cd-113

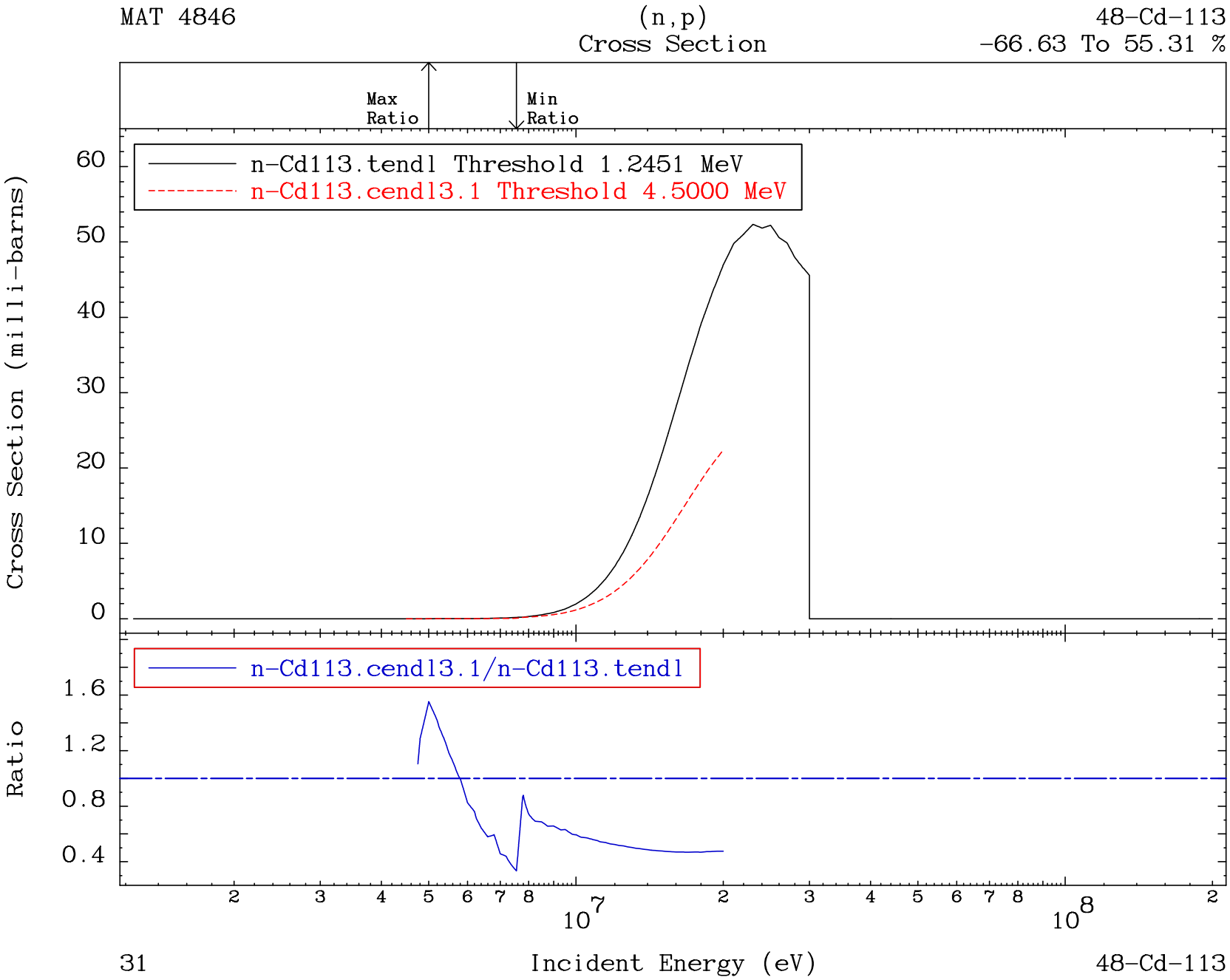

MAT 4846
MT= 69 (n,n') Level
Cross Section
48-Cd-113
-98.66 To 9999. %
Min
Ratio
Max
Ratio
n-Cd113.tendl Threshold 905.55 keV
n-Cd113.cendl3.1 Threshold 1.0569 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^3
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
48-Cd-113

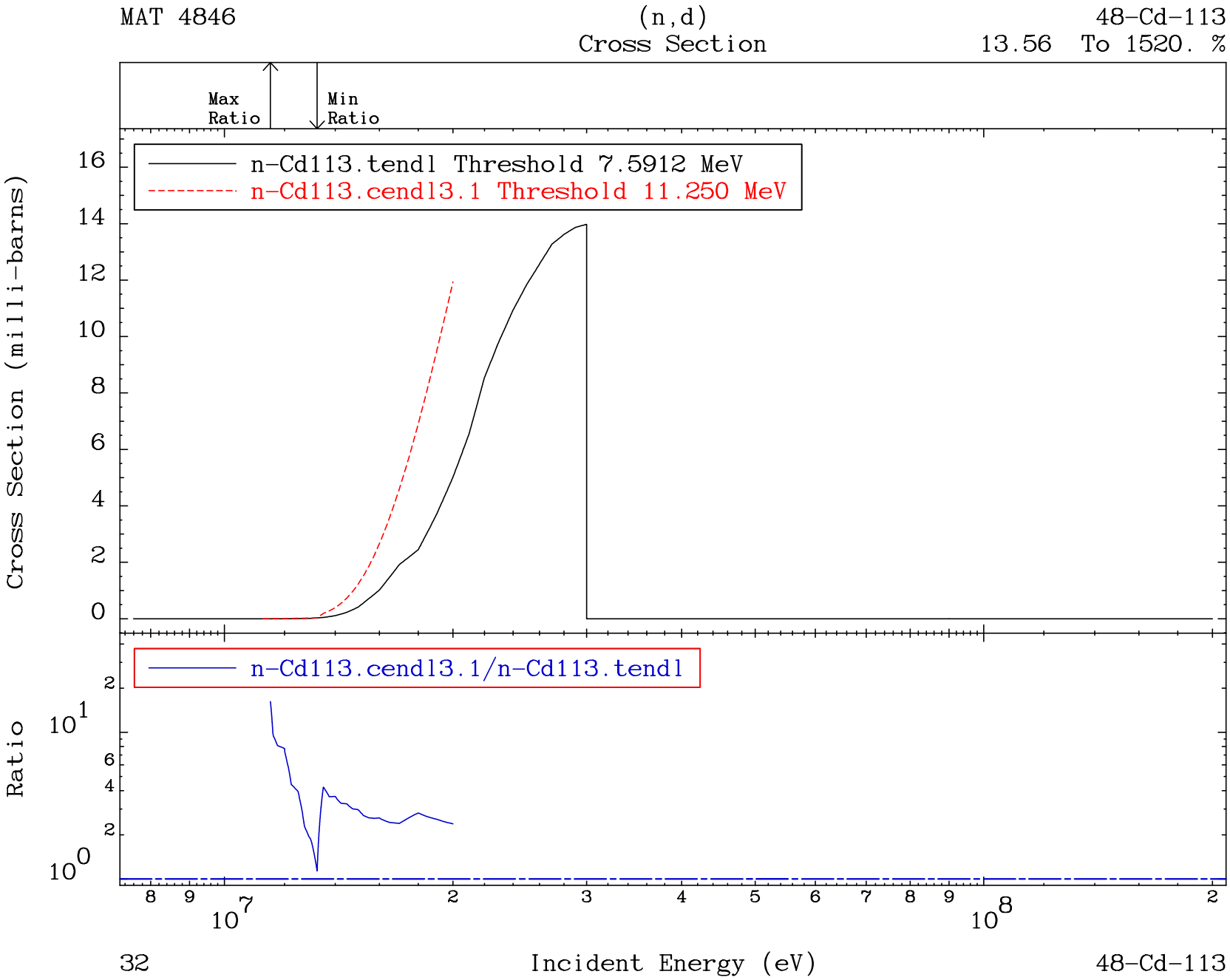

MAT 4846
MT= 70 (n,n') Level
Cross Section
48-Cd-113
475.8 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 948.18 keV
n-Cd113.cendl3.1 Threshold 1.0593 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^3
10^6
10^7
10^8
Incident Energy (eV)
27
48-Cd-113

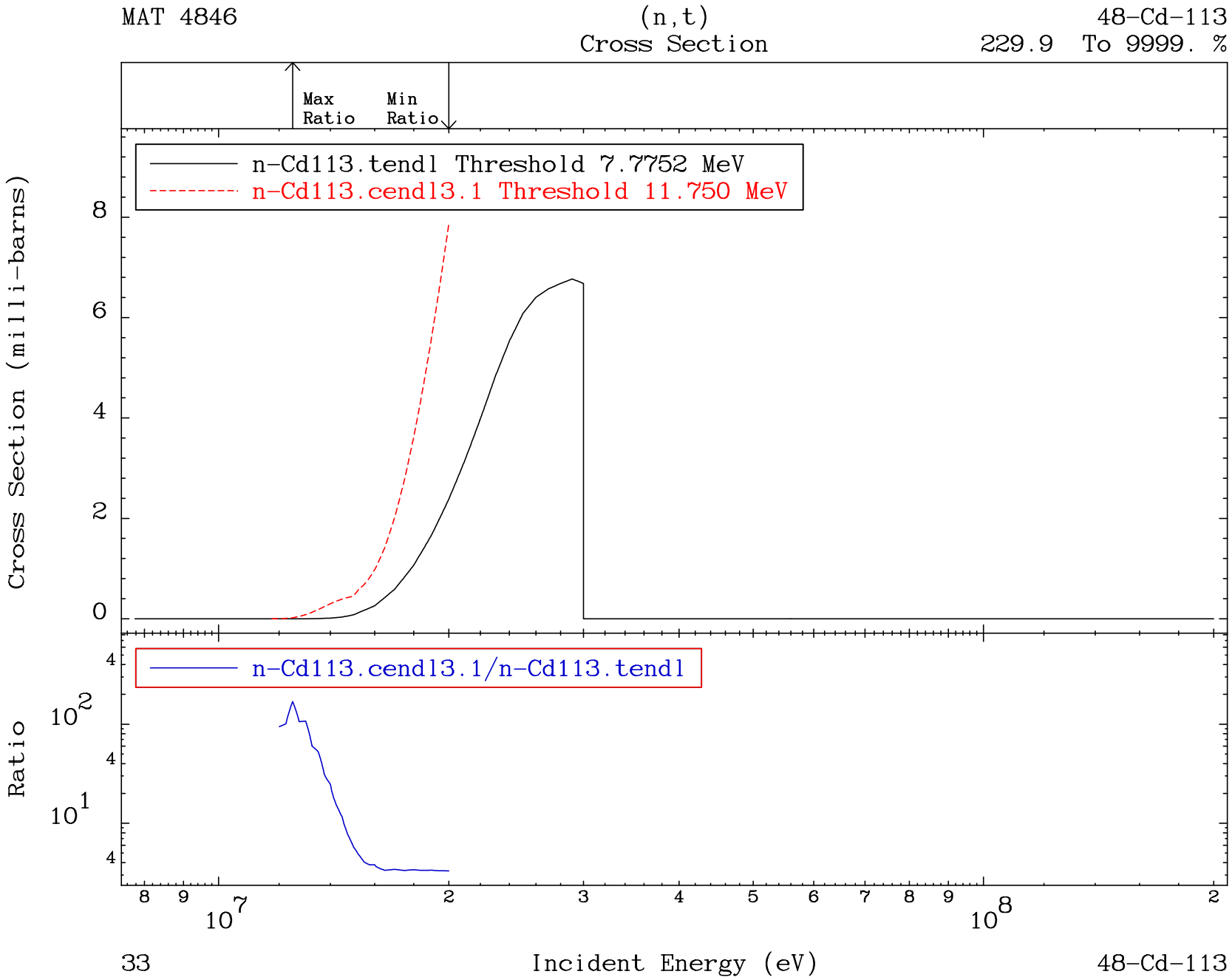

MAT 4846
MT= 71 (n,n') Level
Cross Section
48-Cd-113
508.7 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 968.58 keV
n-Cd113.cendl3.1 Threshold 1.1362 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^6
10^4
10^2
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
48-Cd-113

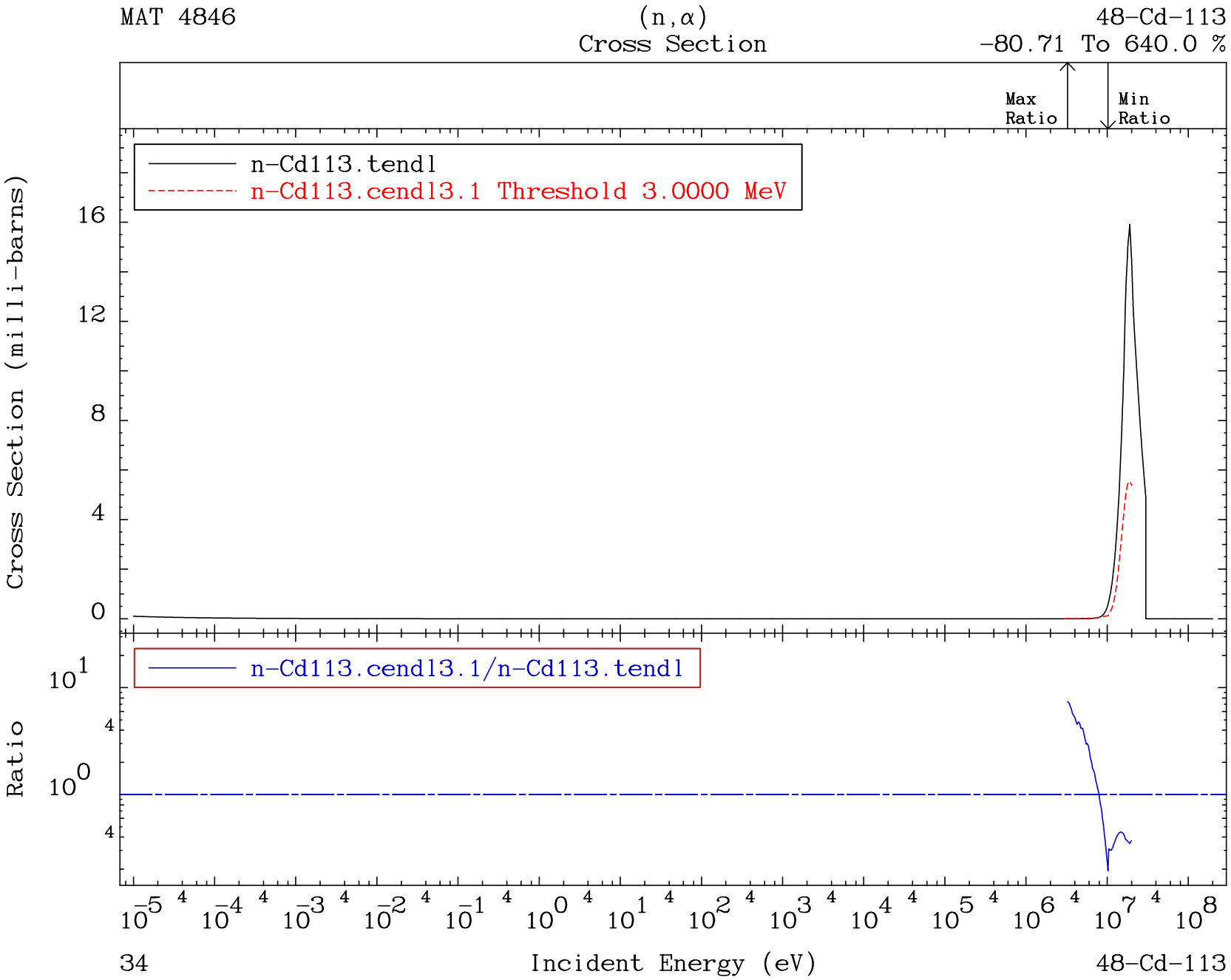

MAT 4846
(n,n') Continuum
Cross Section
48-Cd-113
-93.16 To 13.73 %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 1.0600 MeV
n-Cd113.cendl3.1 Threshold 2.5000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^0
6
4
10^-1
6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
48-Cd-113

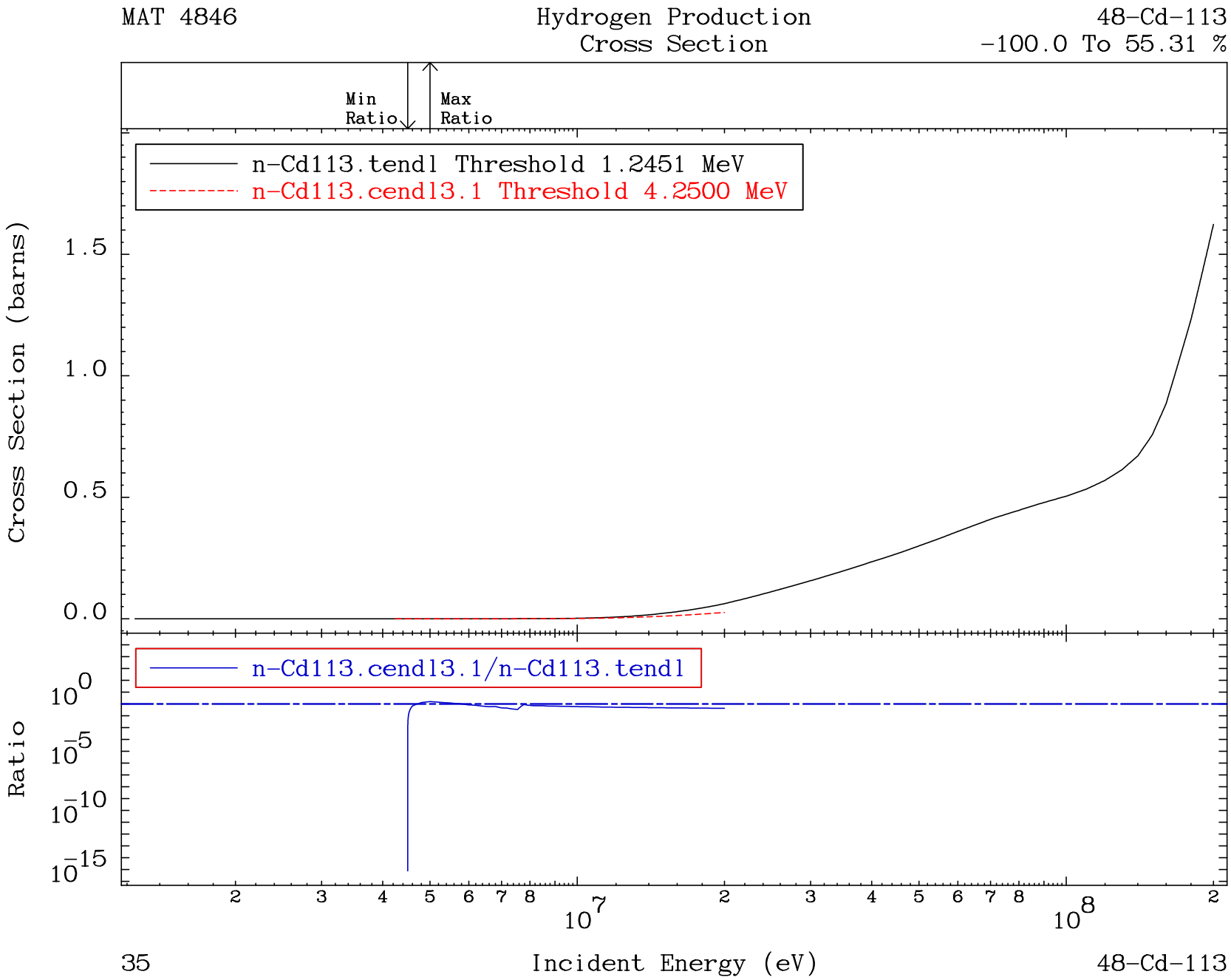

MAT 4846
(n,γ)
Cross Section
48-Cd-113
-88.37 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
30
48-Cd-113

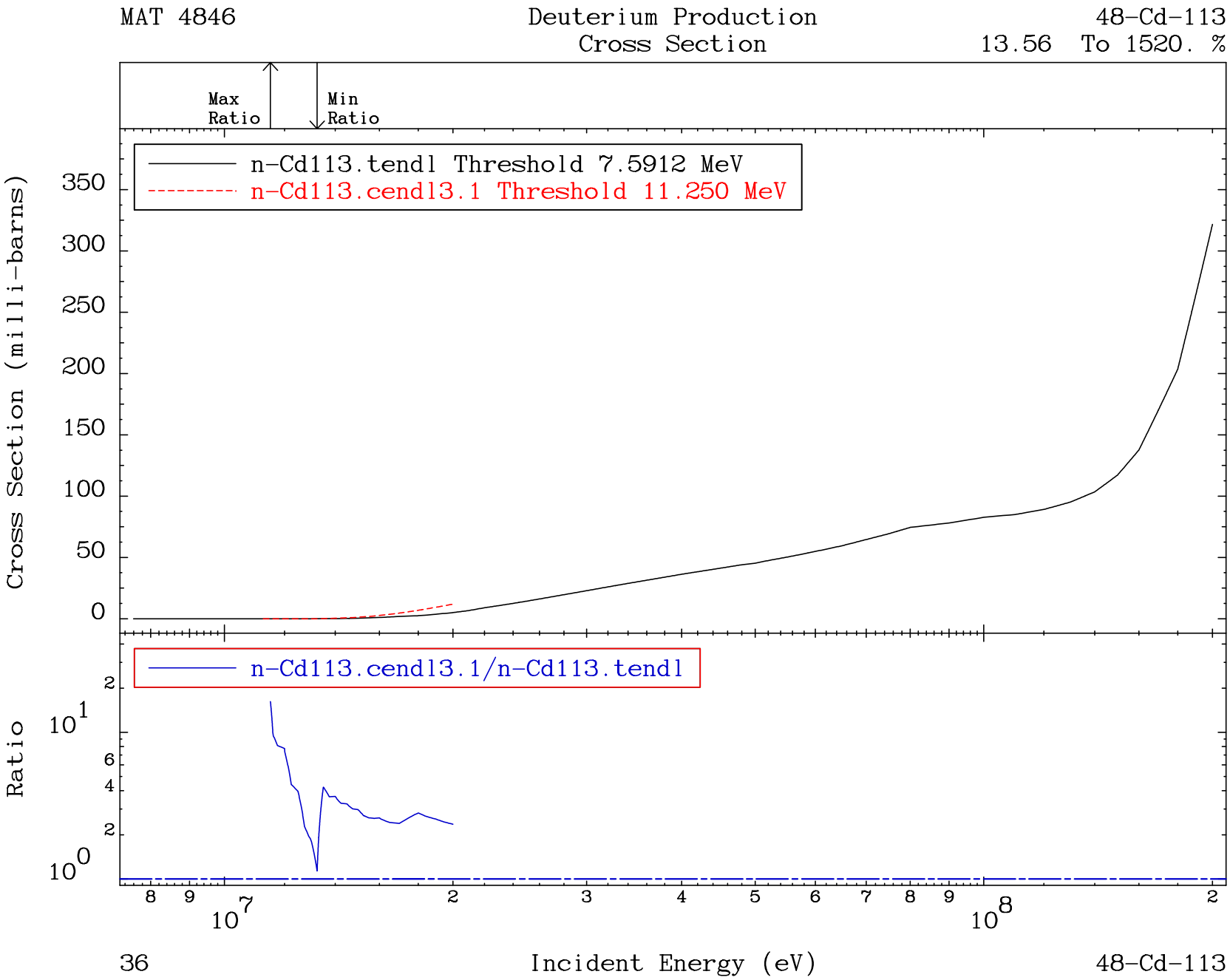

MAT 4846
(n,p)
Cross Section
48-Cd-113
-66.63 To 55.31 %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 1.2451 MeV
n-Cd113.cendl3.1 Threshold 4.5000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
48-Cd-113

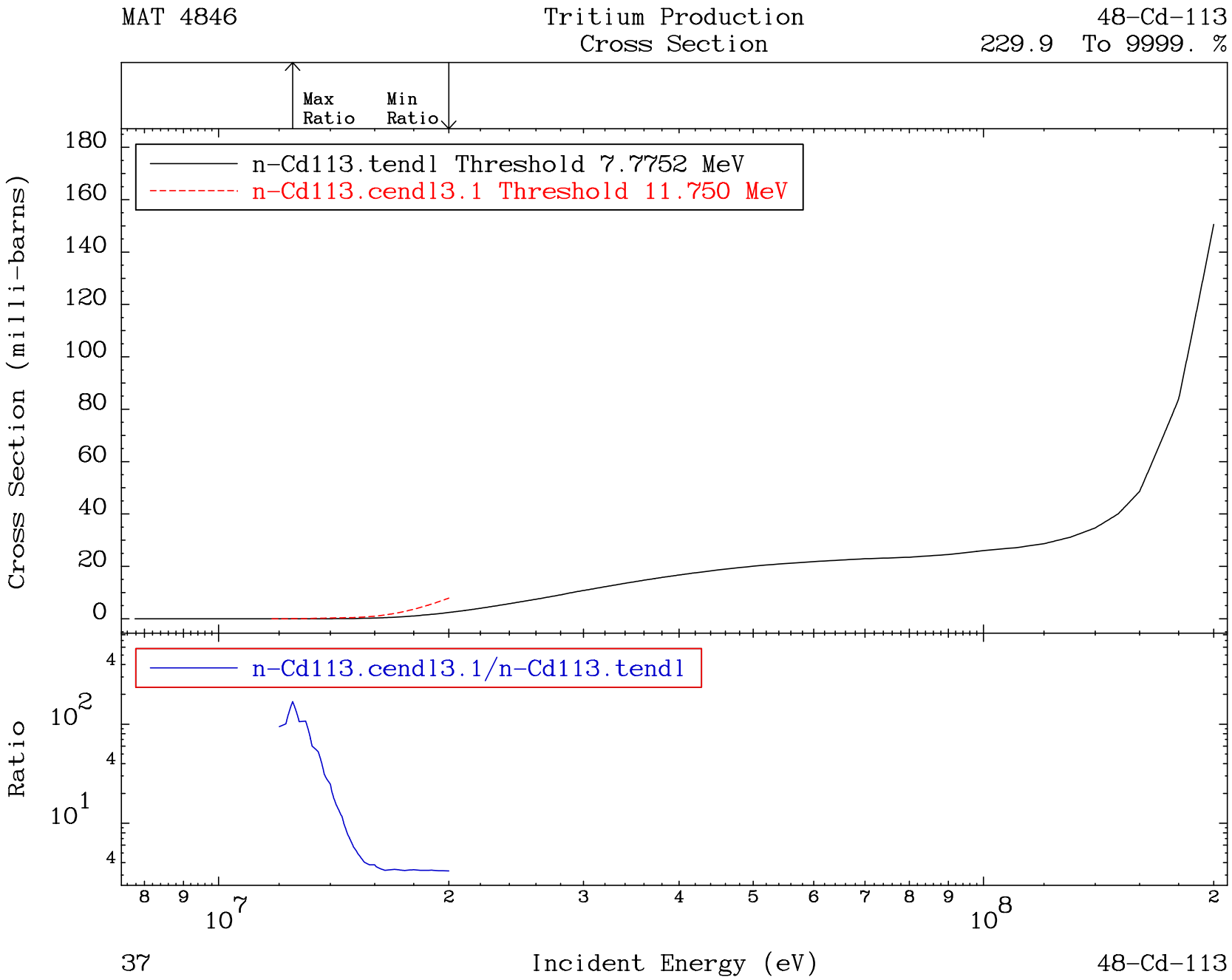

MAT 4846
(n,d)
Cross Section
48-Cd-113
13.56 To 1520. %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 7.5912 MeV
n-Cd113.cendl3.1 Threshold 11.250 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
10^0
2
6
4
2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
48-Cd-113

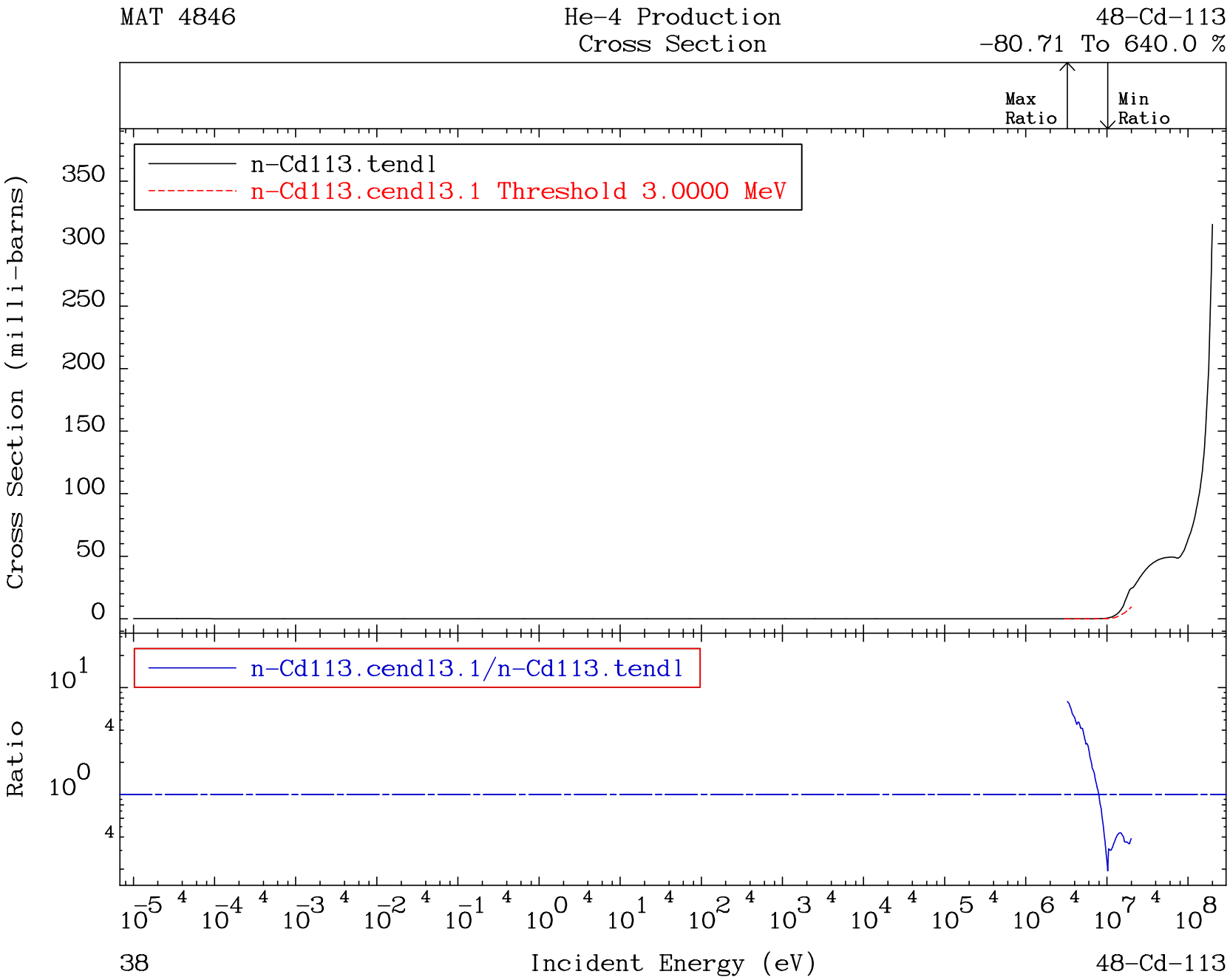

MAT 4846
(n,t)
Cross Section
48-Cd-113
229.9 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 7.7752 MeV
n-Cd113.cendl3.1 Threshold 11.750 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^2
10^1
4
4
4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
48-Cd-113

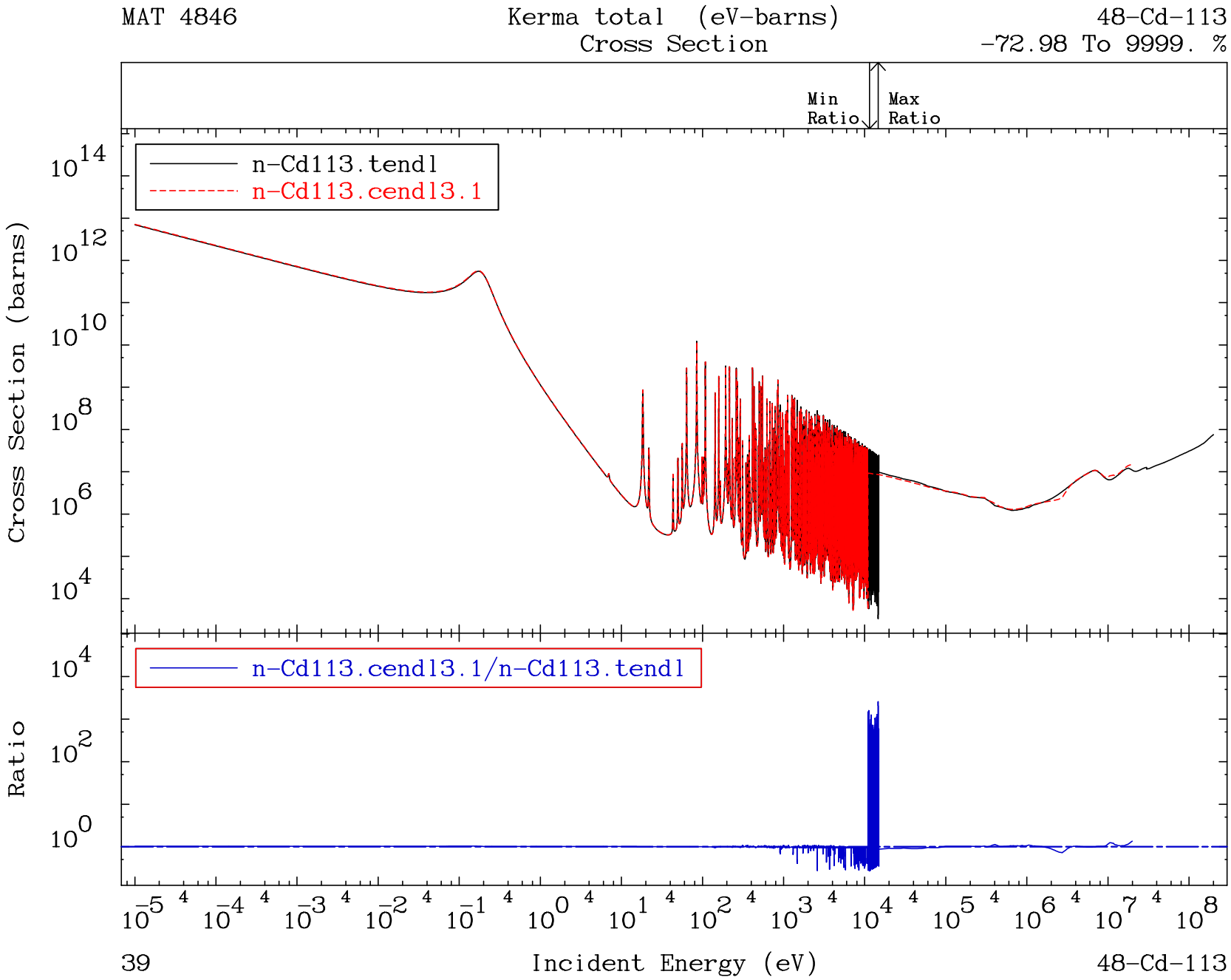

MAT 4846
(n,α)
Cross Section
48-Cd-113
-80.71 To 640.0 %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1 Threshold 3.0000 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
48-Cd-113

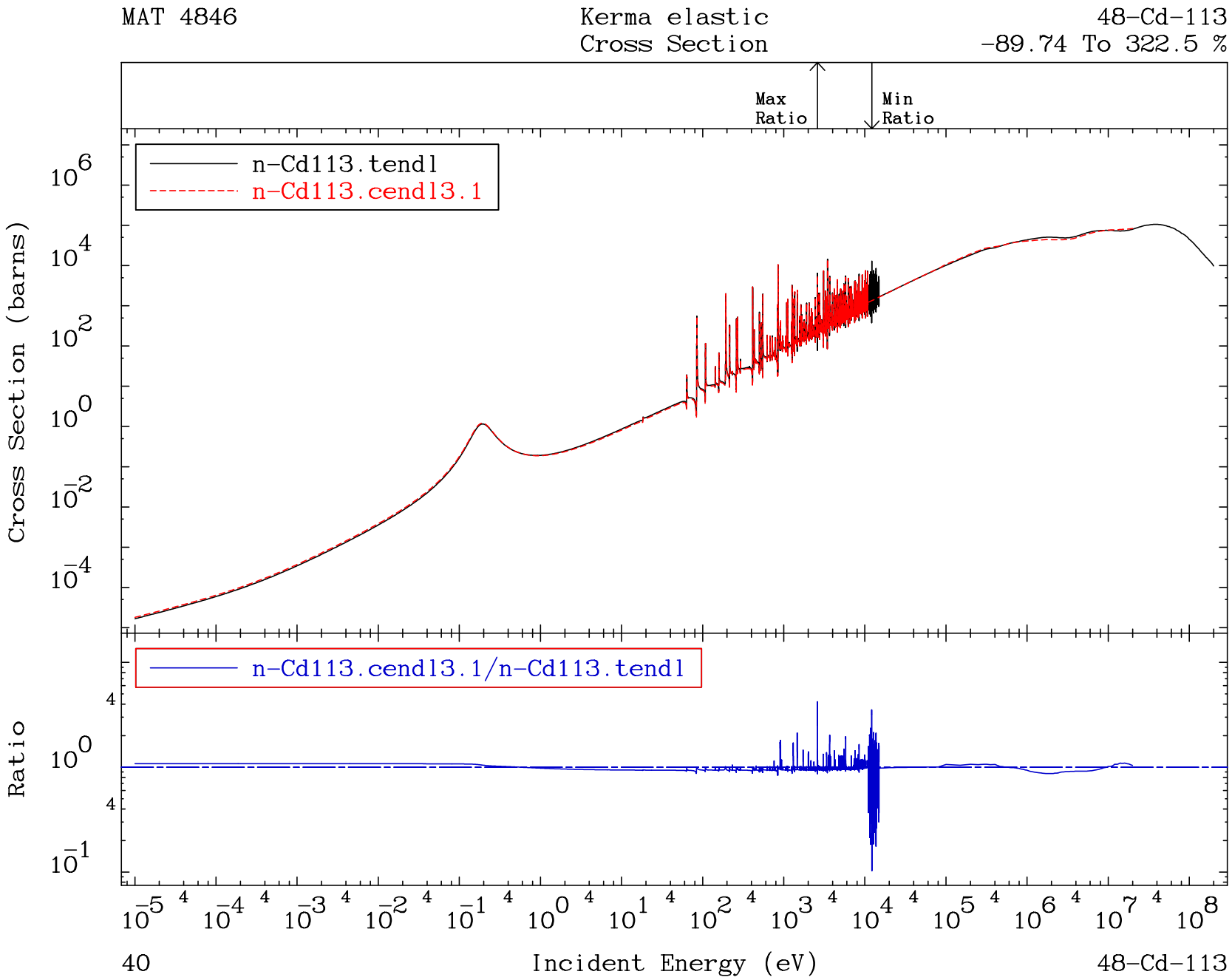

MAT 4846
Hydrogen Production
Cross Section
48-Cd-113
-100.0 To 55.31 %
Min Ratio
Max Ratio
n-Cd113.tendl Threshold 1.2451 MeV
n-Cd113.cendl3.1 Threshold 4.2500 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
48-Cd-113

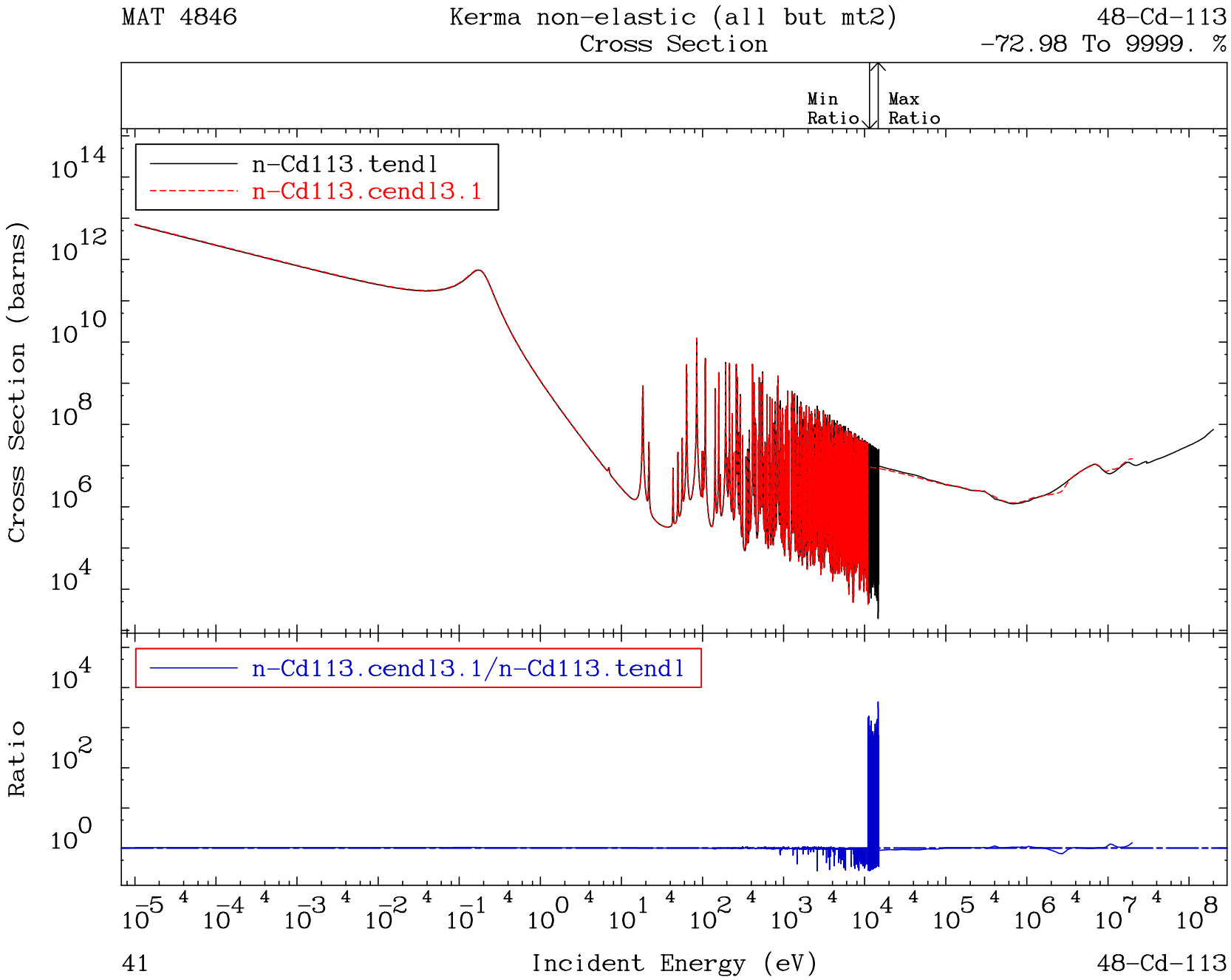

MAT 4846
Deuterium Production
Cross Section
48-Cd-113
13.56 To 1520. %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 7.5912 MeV
n-Cd113.cendl3.1 Threshold 11.250 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
6
4
2
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
48-Cd-113

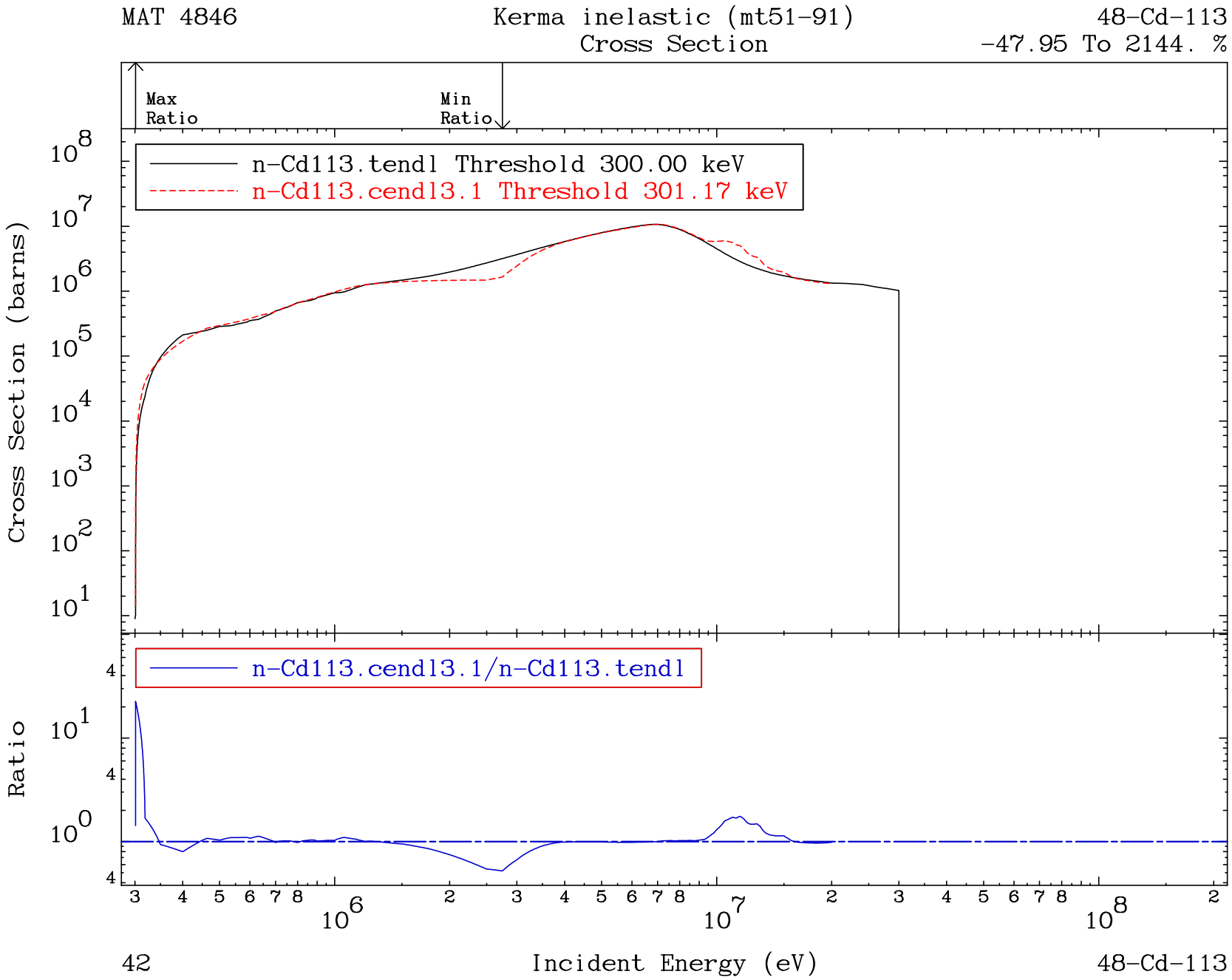

MAT 4846
Tritium Production
Cross Section
48-Cd-113
229.9 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 7.7752 MeV
n-Cd113.cendl3.1 Threshold 11.750 MeV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^2
10^1
4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
48-Cd-113

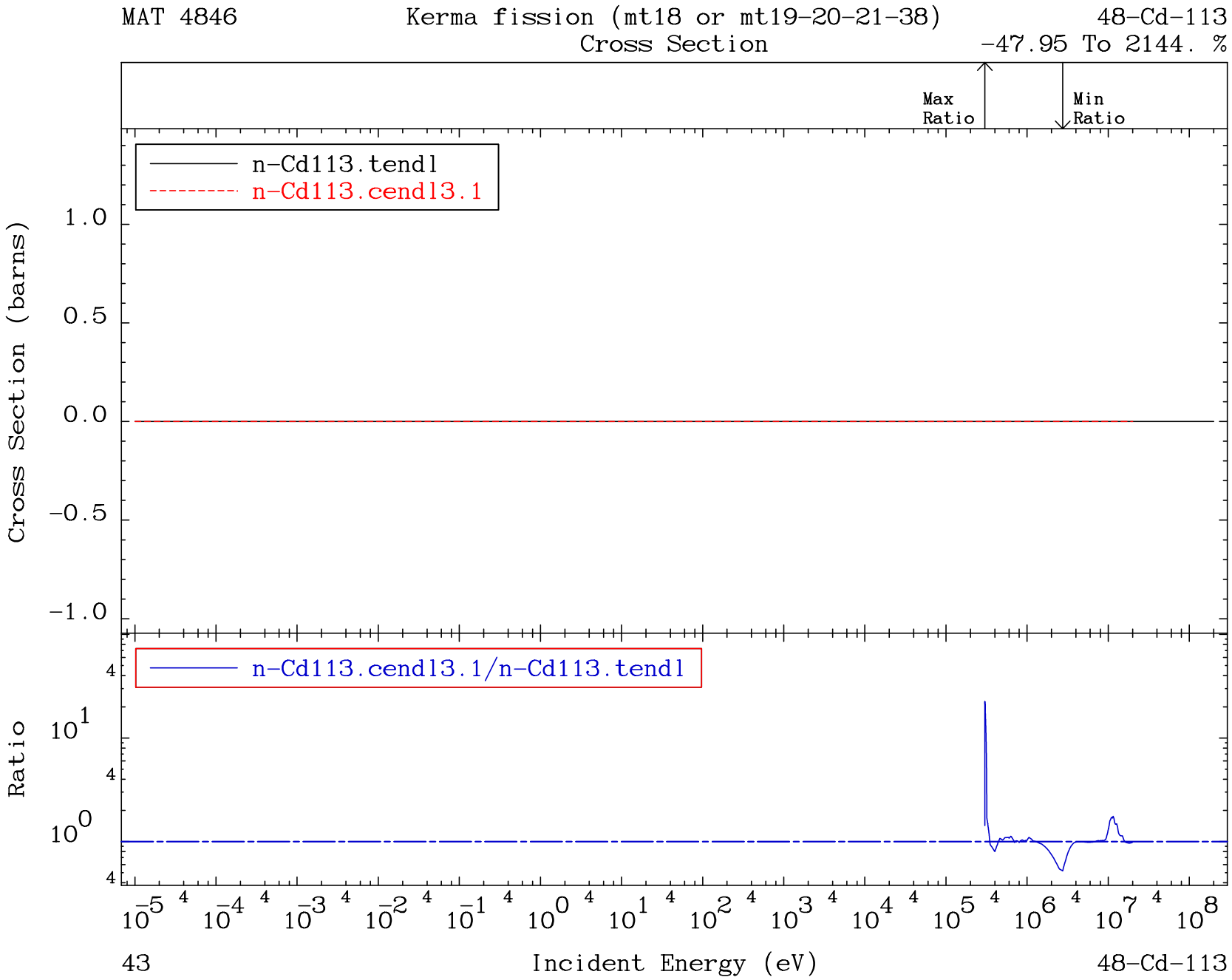

MAT 4846
He-4 Production
Cross Section
48-Cd-113
-80.71 To 640.0 %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1 Threshold 3.0000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
48-Cd-113

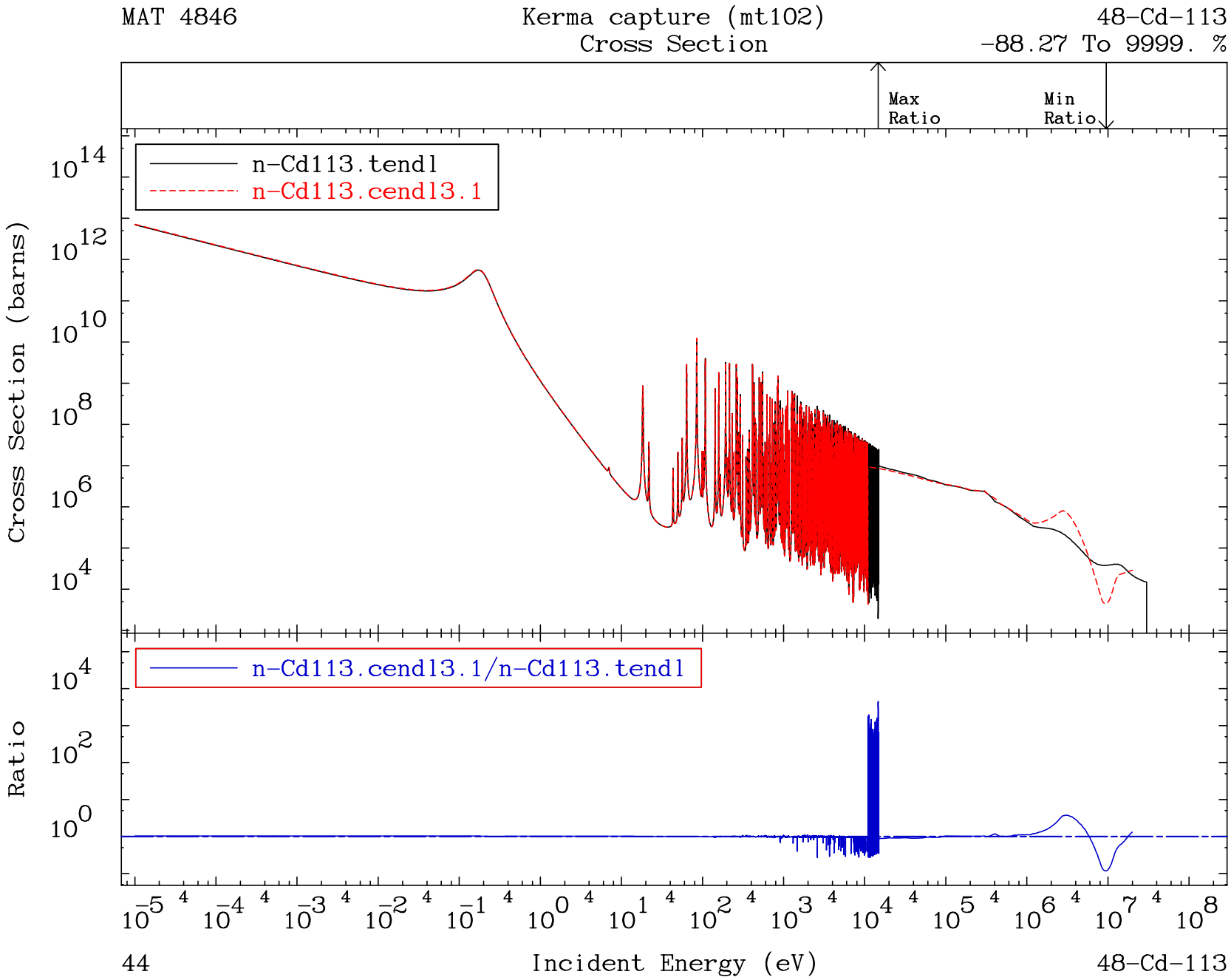

MAT 4846
Kerma total (eV-barns)
Cross Section
48-Cd-113
-72.98 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
39
48-Cd-113

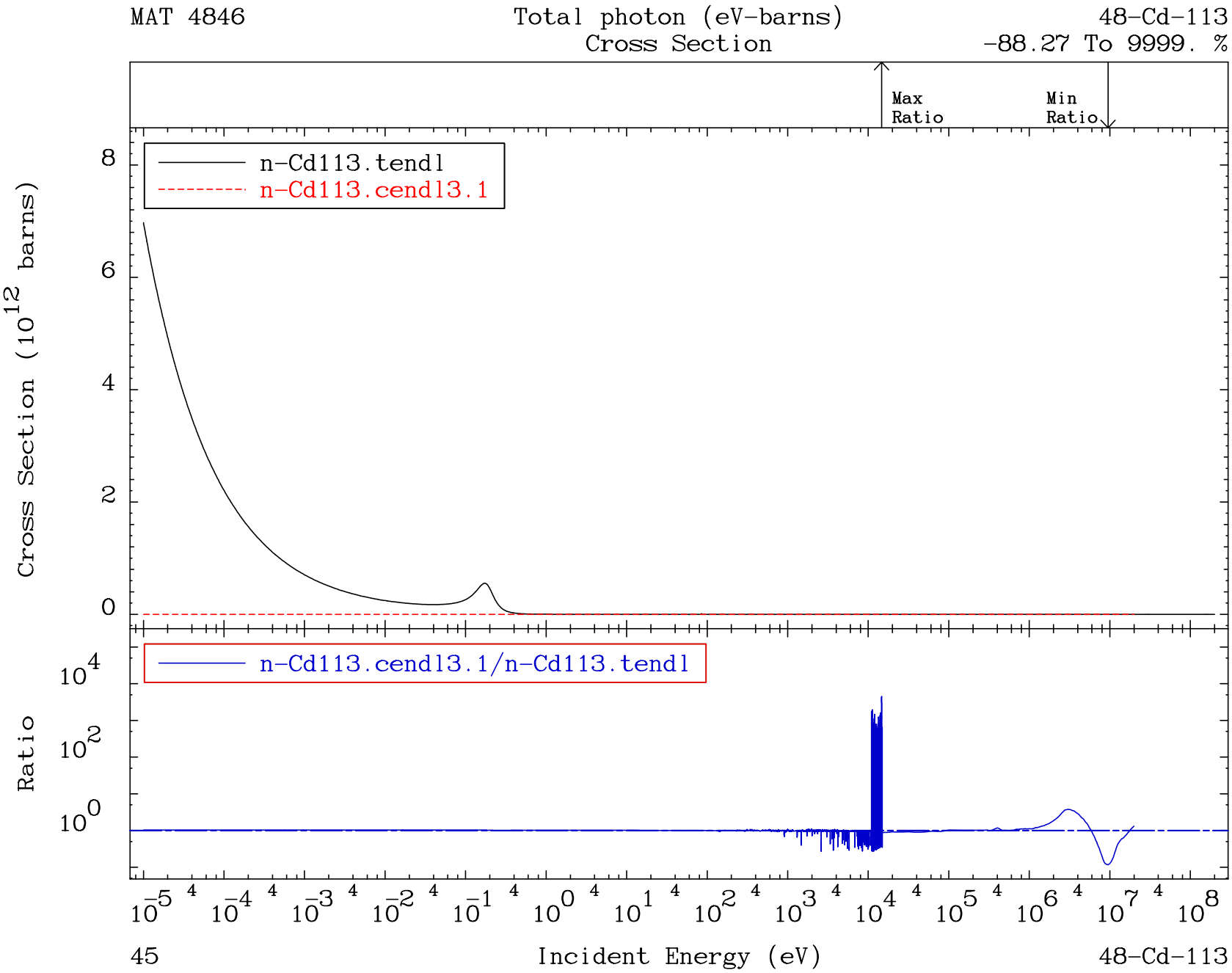

MAT 4846
Kerma elastic
Cross Section
48-Cd-113
-89.74 To 322.5 %
Max
Ratio
Min
Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
40
48-Cd-113

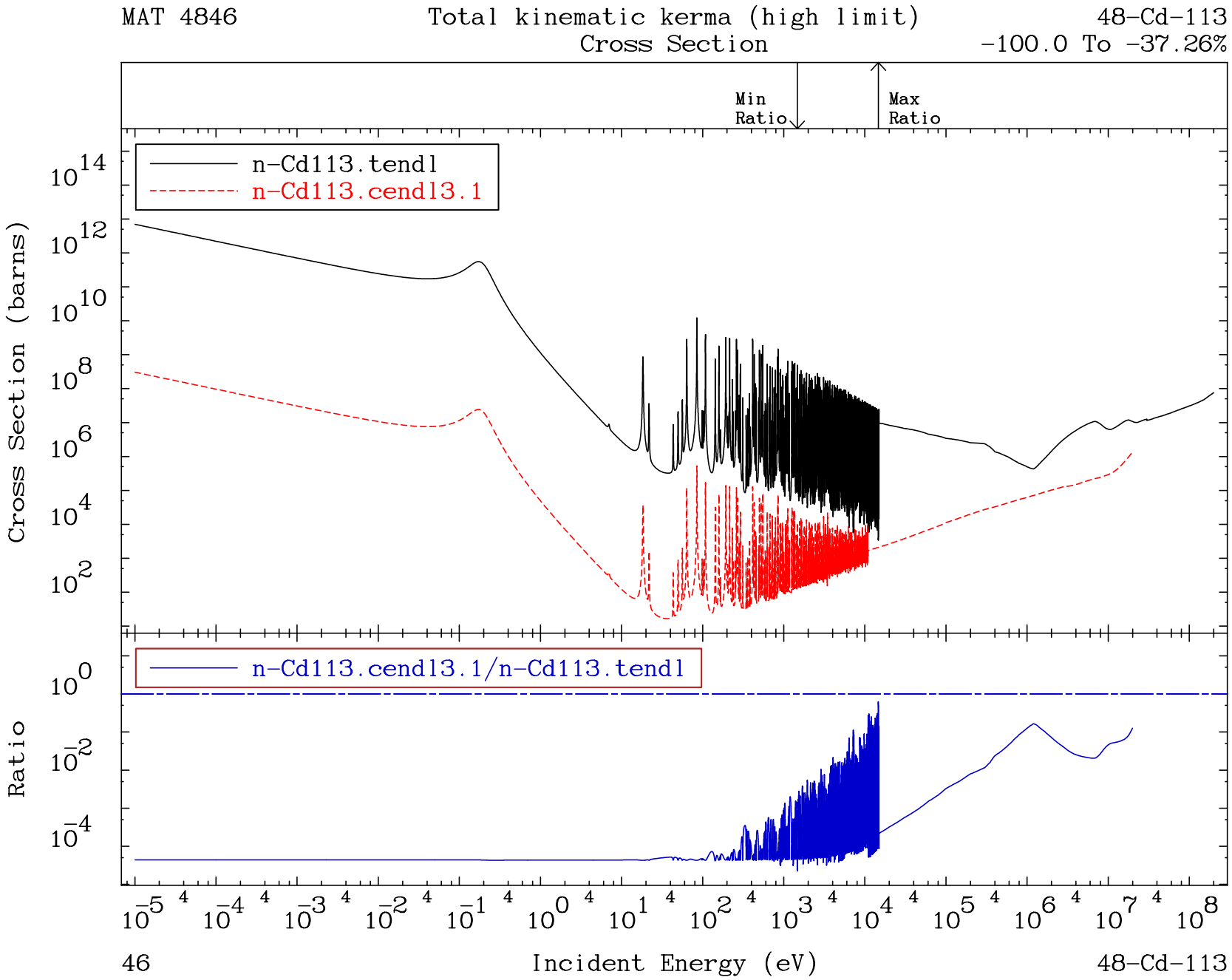

MAT 4846
Kerma non-elastic (all but mt2)
Cross Section
48-Cd-113
-72.98 To 9999. %
Min Ratio
Max Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
41
48-Cd-113

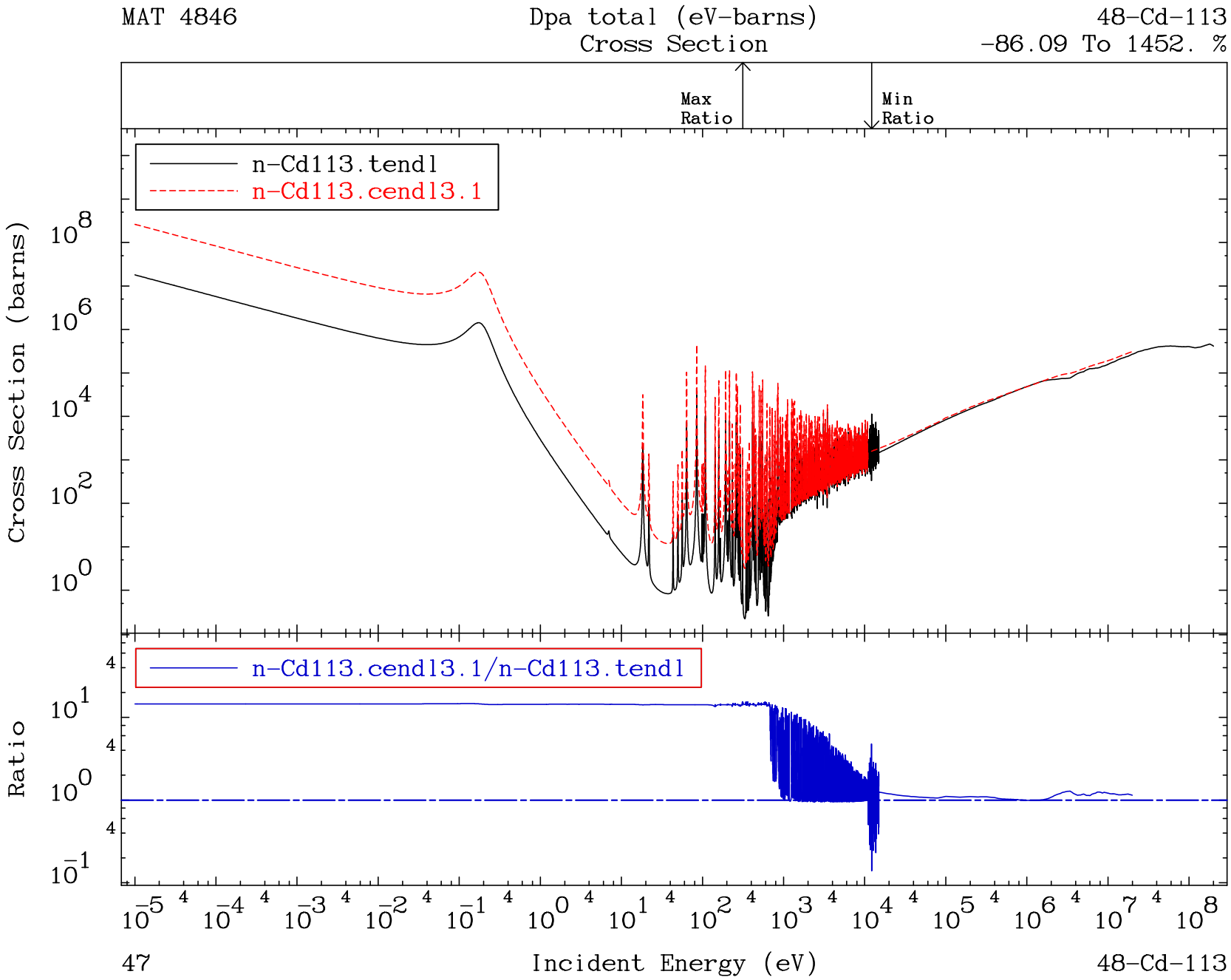

MAT 4846
Kerma inelastic (mt51-91)
Cross Section
48-Cd-113
-47.95 To 2144. %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 300.00 keV
n-Cd113.cendl3.1 Threshold 301.17 keV
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
42
48-Cd-113

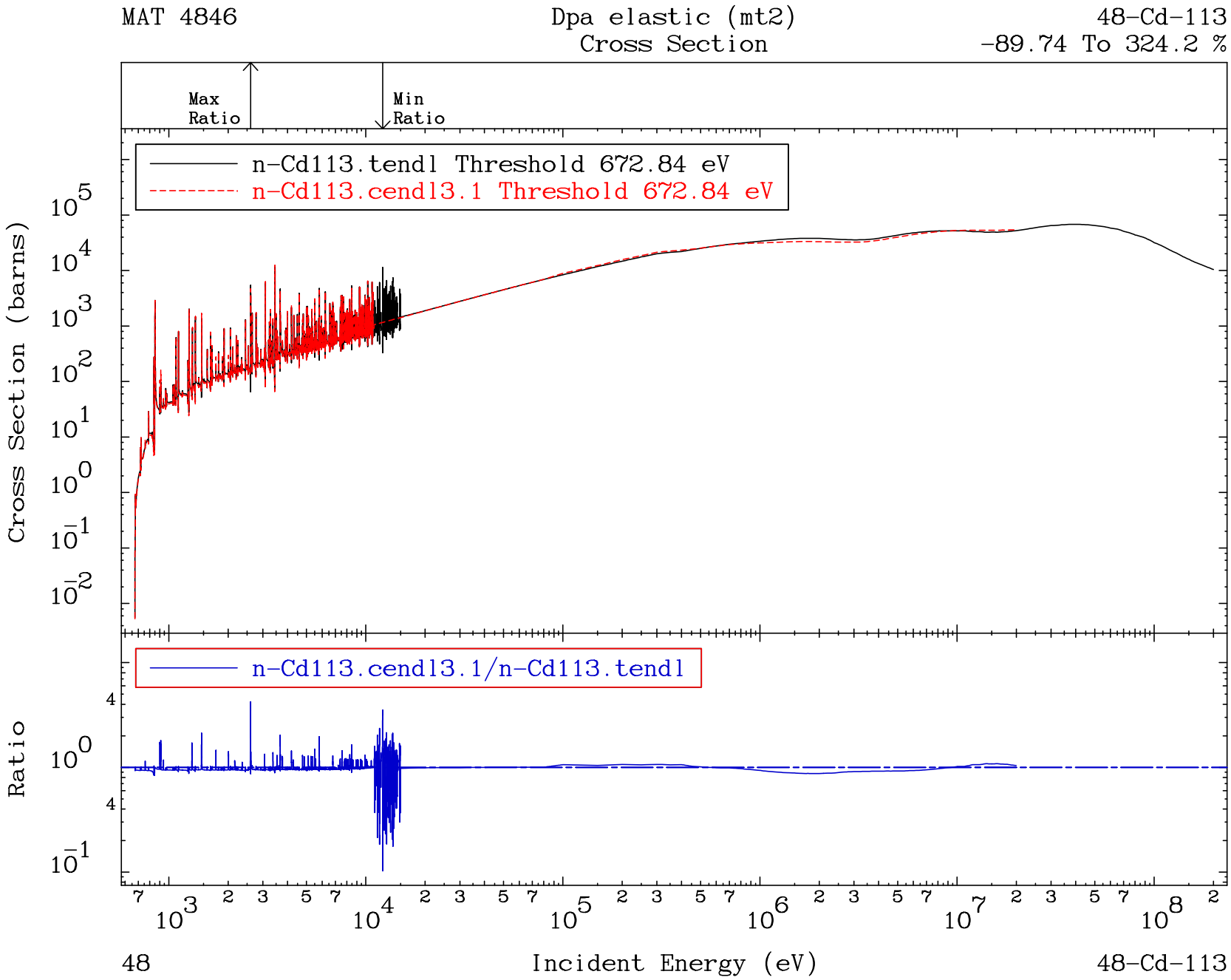

MAT 4846
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
48-Cd-113
-47.95 To 2144. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
48-Cd-113

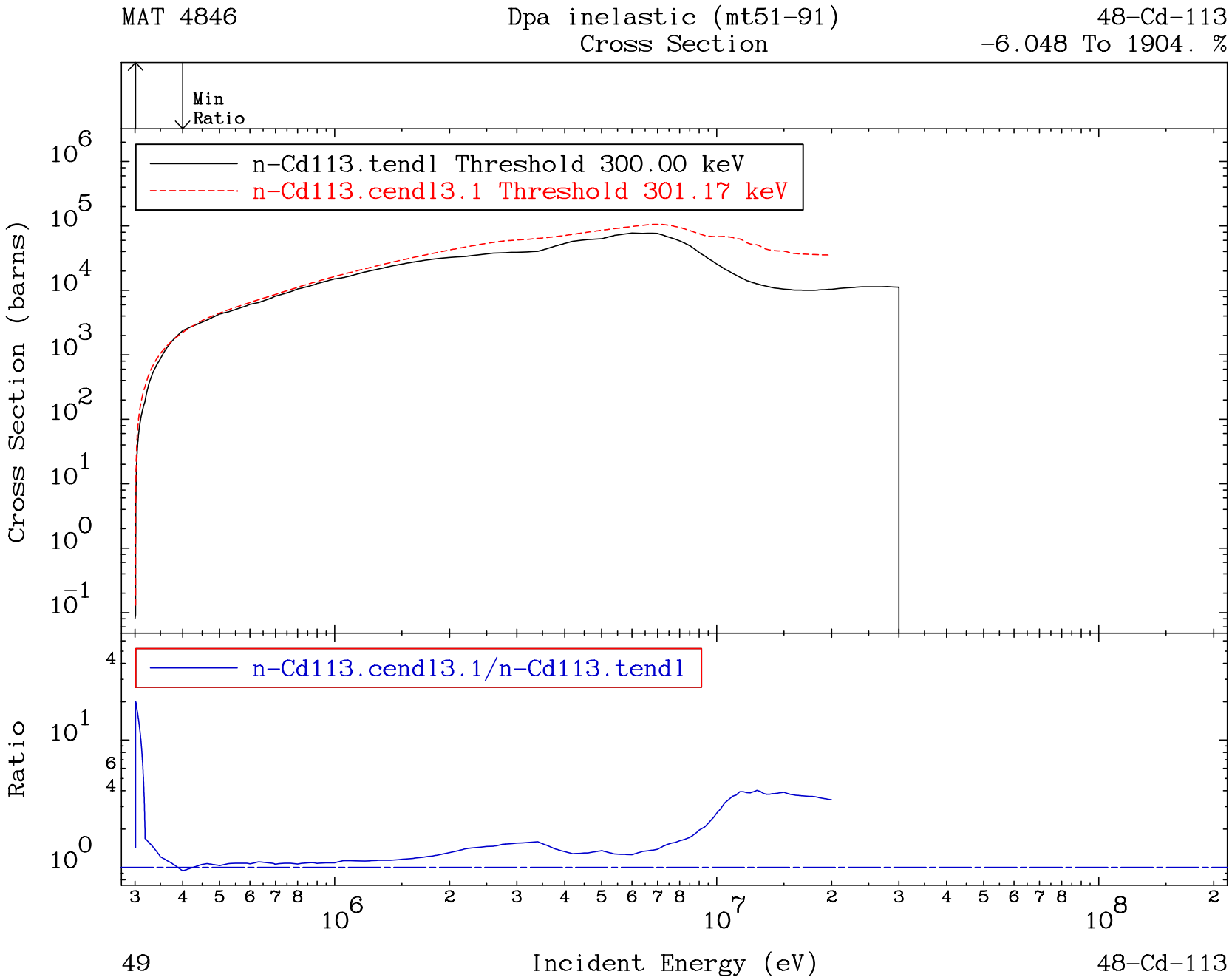

MAT 4846
Kerma capture (mt102)
Cross Section
48-Cd-113
-88.27 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
44
48-Cd-113

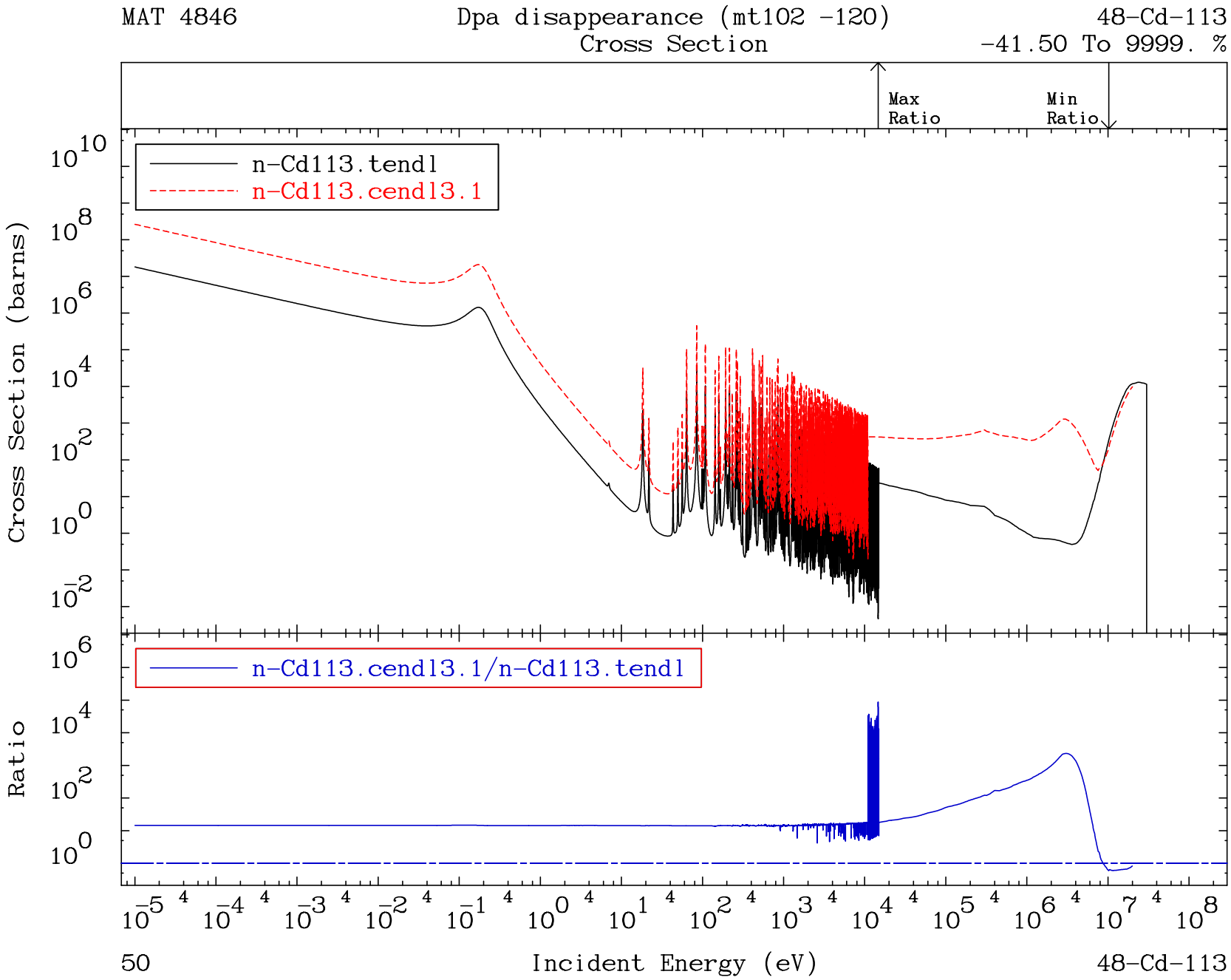

MAT 4846
Total photon (eV-barns)
Cross Section
48-Cd-113
-88.27 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (10^{12} barns)
0
2
4
6
8
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
10^0
10^2
10^4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
48-Cd-113


MAT 4846
Total kinematic kerma (high limit)
Cross Section
48-Cd-113
-100.0 To -37.26%
Min Ratio
Max Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
46
48-Cd-113


MAT 4846
Dpa total (eV-barns)
Cross Section
48-Cd-113
-86.09 To 1452. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
47
48-Cd-113


MAT 4846
Dpa elastic (mt2)
Cross Section
48-Cd-113
-89.74 To 324.2 %
Max Ratio
Min Ratio
n-Cd113.tendl Threshold 672.84 eV
n-Cd113.cendl3.1 Threshold 672.84 eV
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
48
48-Cd-113


MAT 4846
Dpa inelastic (mt51-91)
Cross Section
48-Cd-113
-6.048 To 1904. %
Min
Ratio
n-Cd113.tendl Threshold 300.00 keV
n-Cd113.cendl3.1 Threshold 301.17 keV
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
49
48-Cd-113


MAT 4846
Dpa disappearance (mt102 -120)
Cross Section
48-Cd-113
-41.50 To 9999. %
Max Ratio
Min Ratio
n-Cd113.tendl
n-Cd113.cendl3.1
Cross Section (barns)
n-Cd113.cendl3.1/n-Cd113.tendl
Ratio
Incident Energy (eV)
50
48-Cd-113