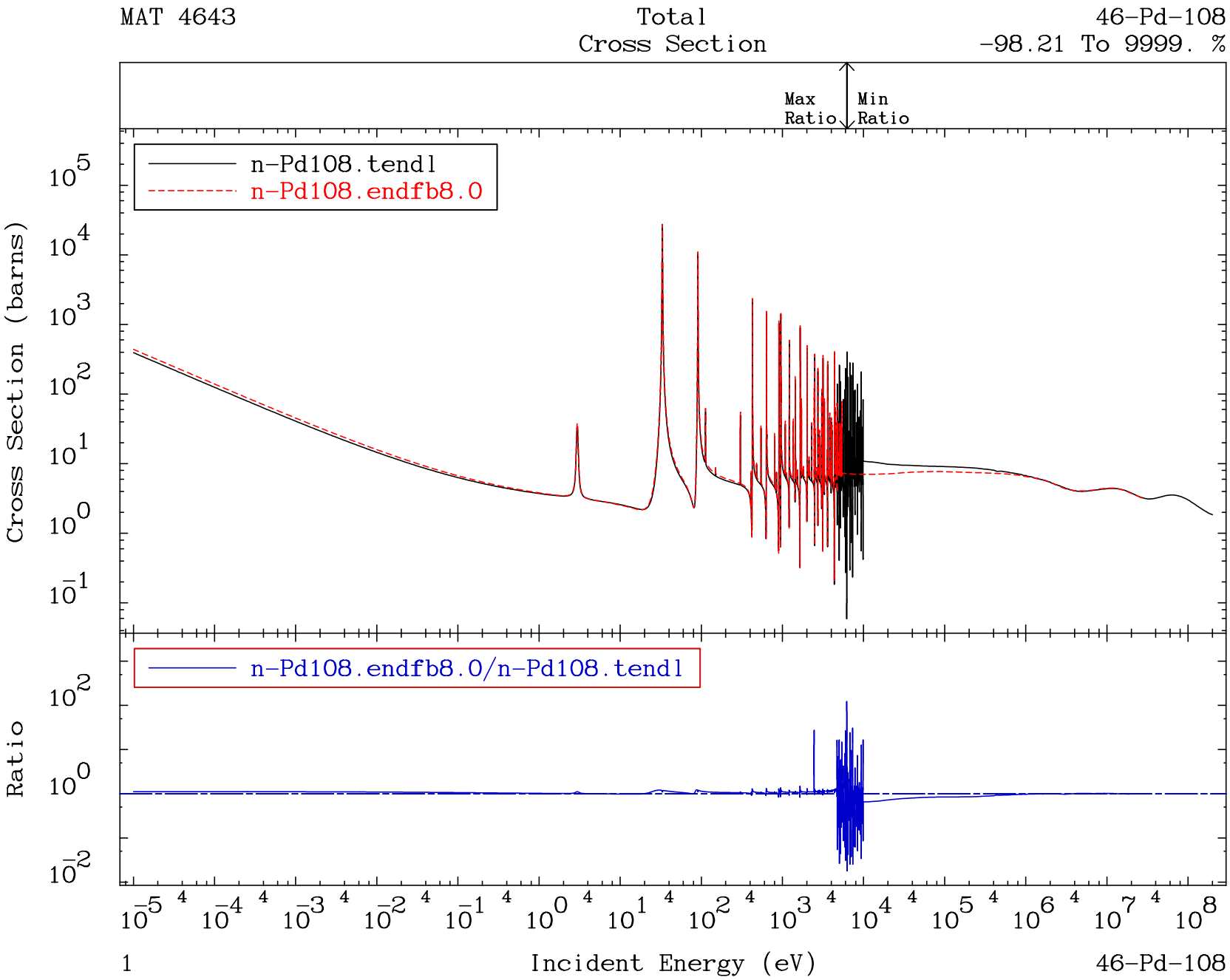
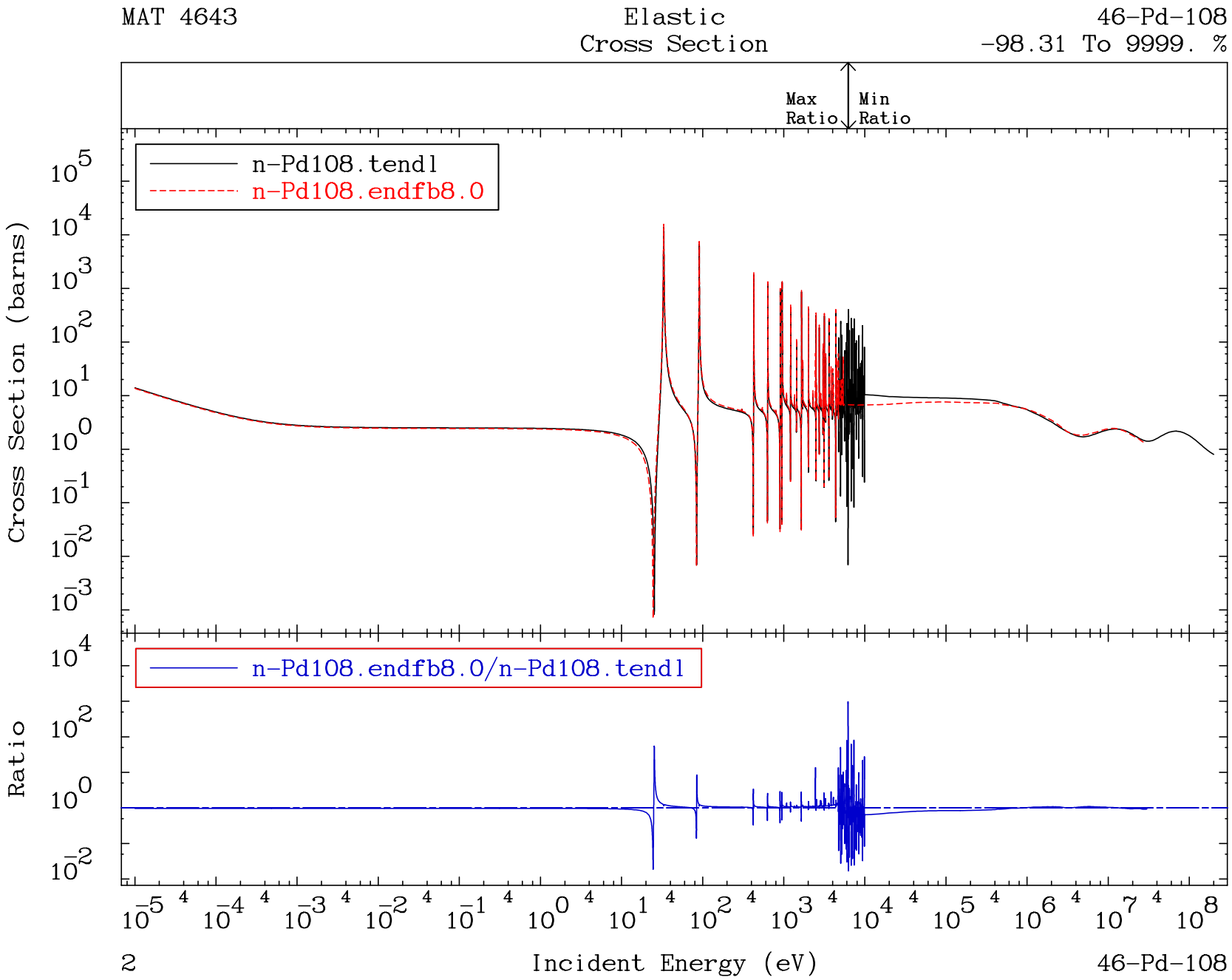
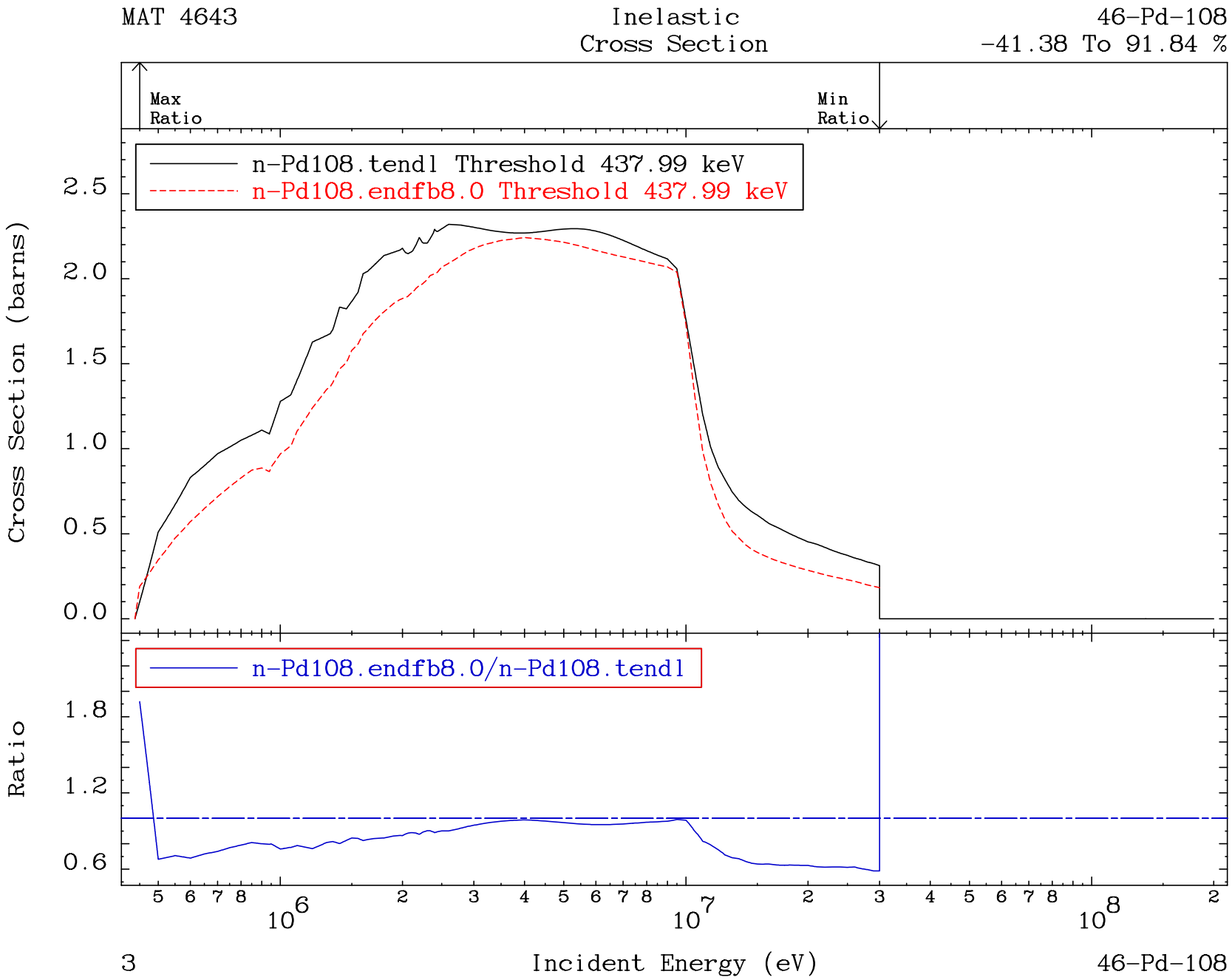
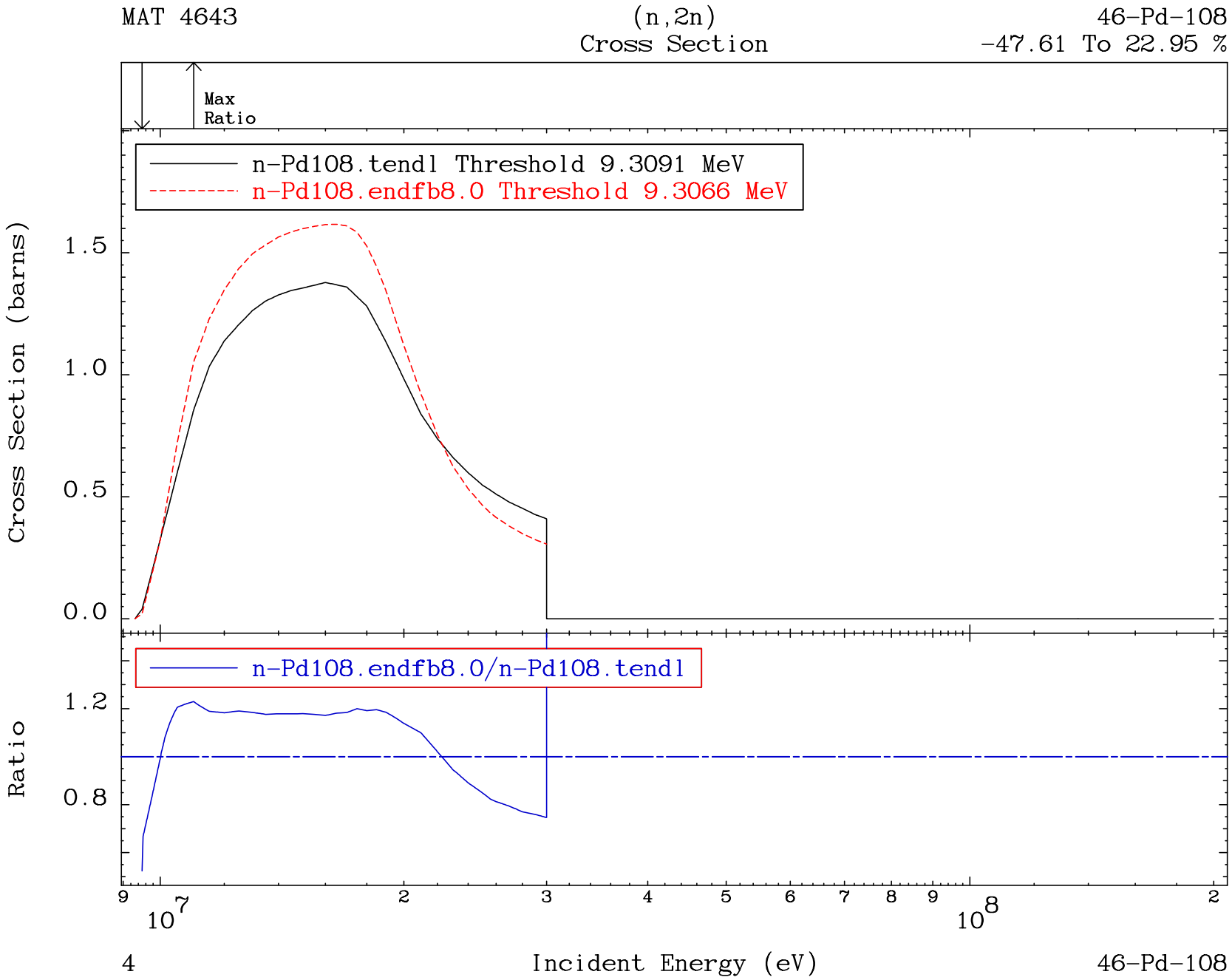
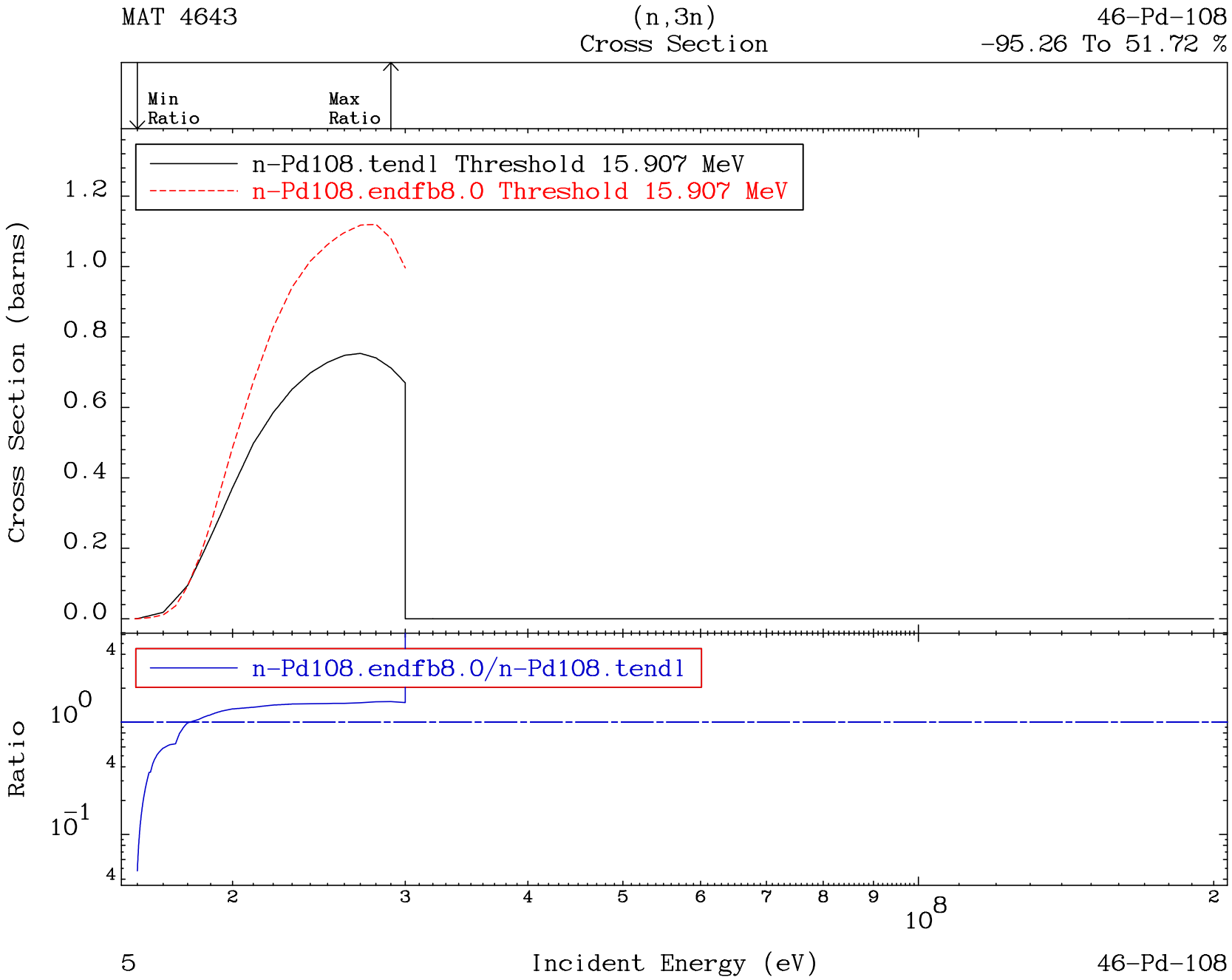
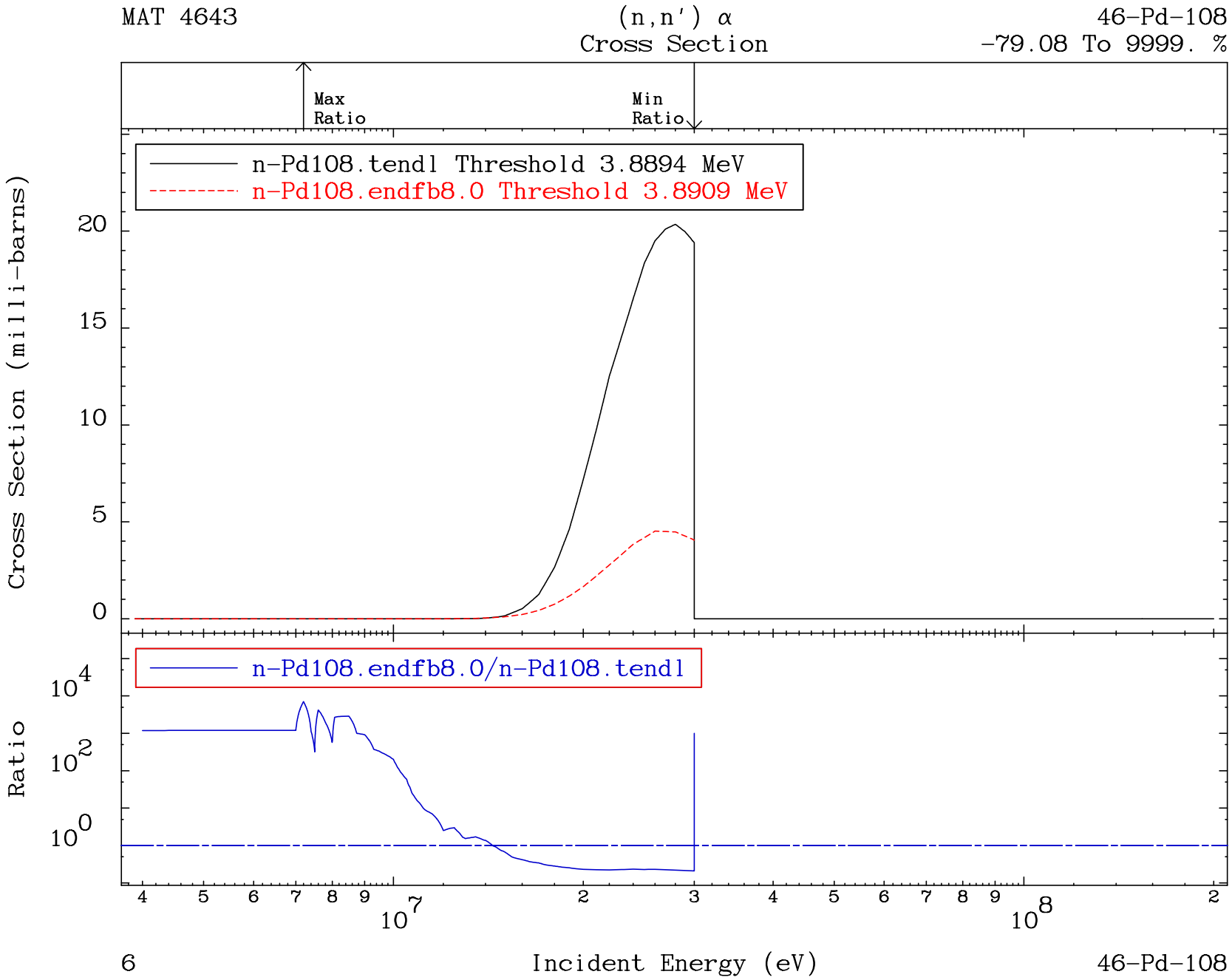

MAT 4643
Total
Cross Section
46-Pd-108
-98.21 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
1
46-Pd-108

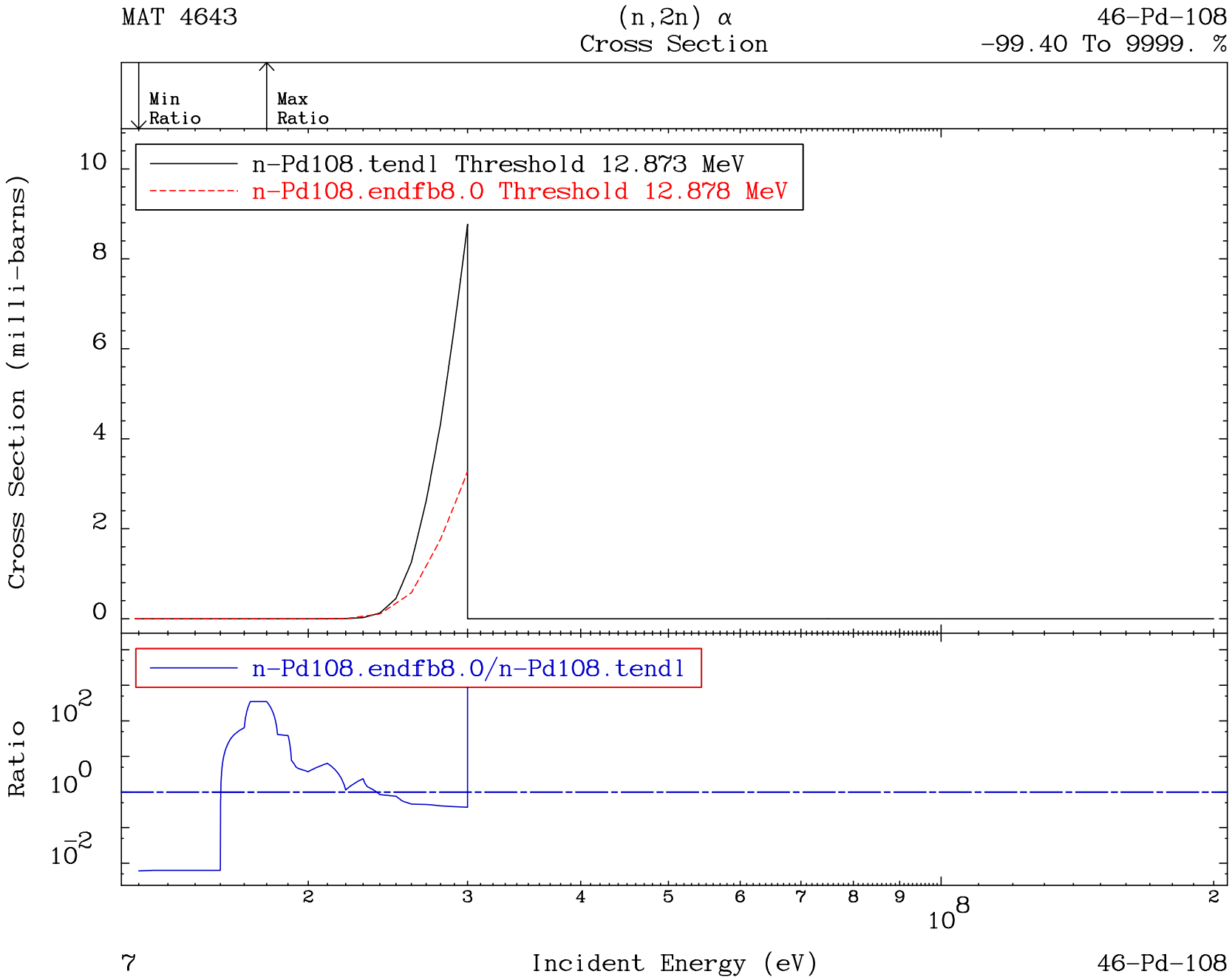

MAT 4643
Elastic
Cross Section
46-Pd-108
-98.31 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
2
46-Pd-108

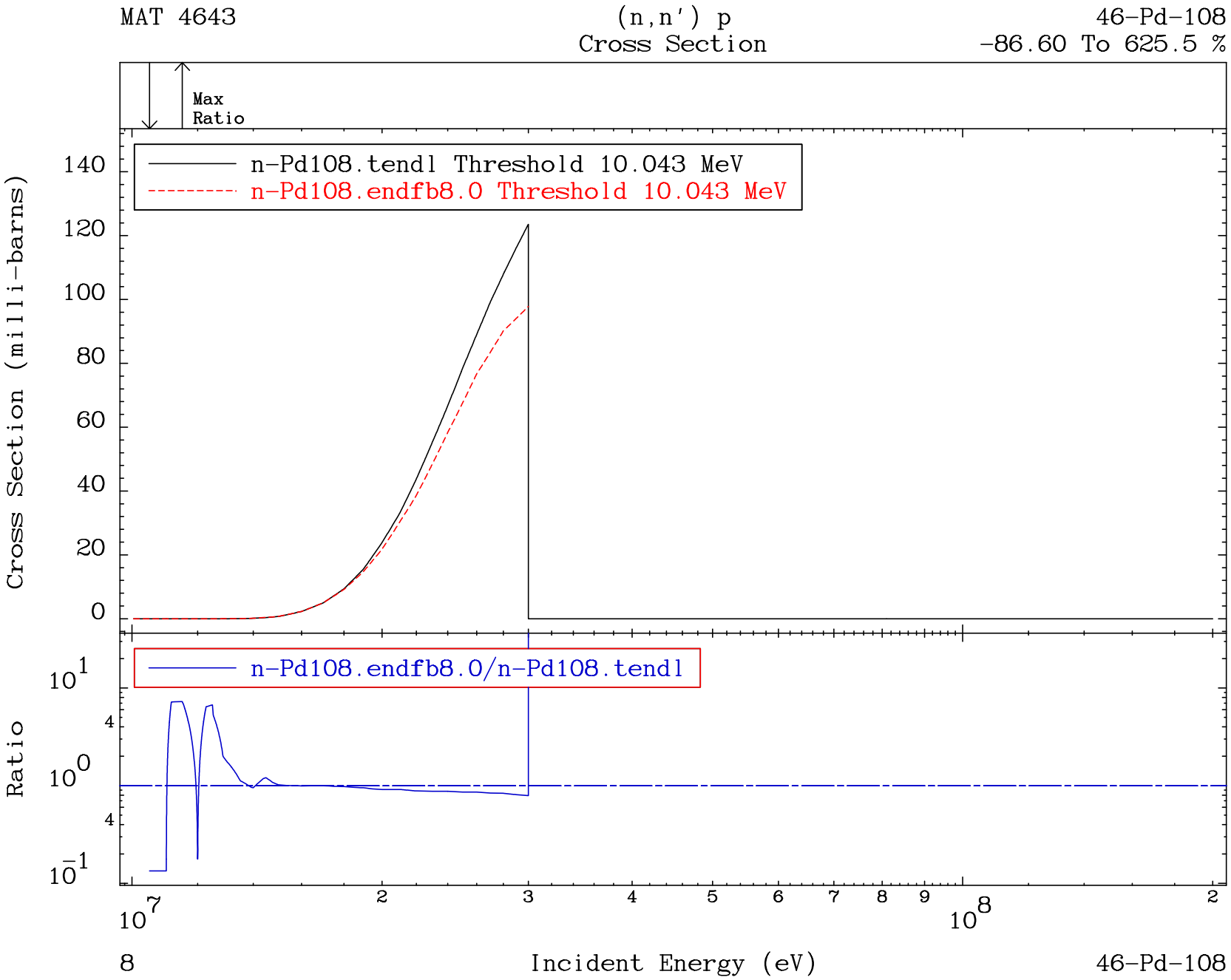

MAT 4643
Inelastic
Cross Section
46-Pd-108
-41.38 To 91.84 %
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 437.99 keV
n-Pd108.endfb8.0 Threshold 437.99 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
1.8
1.2
0.6
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
46-Pd-108

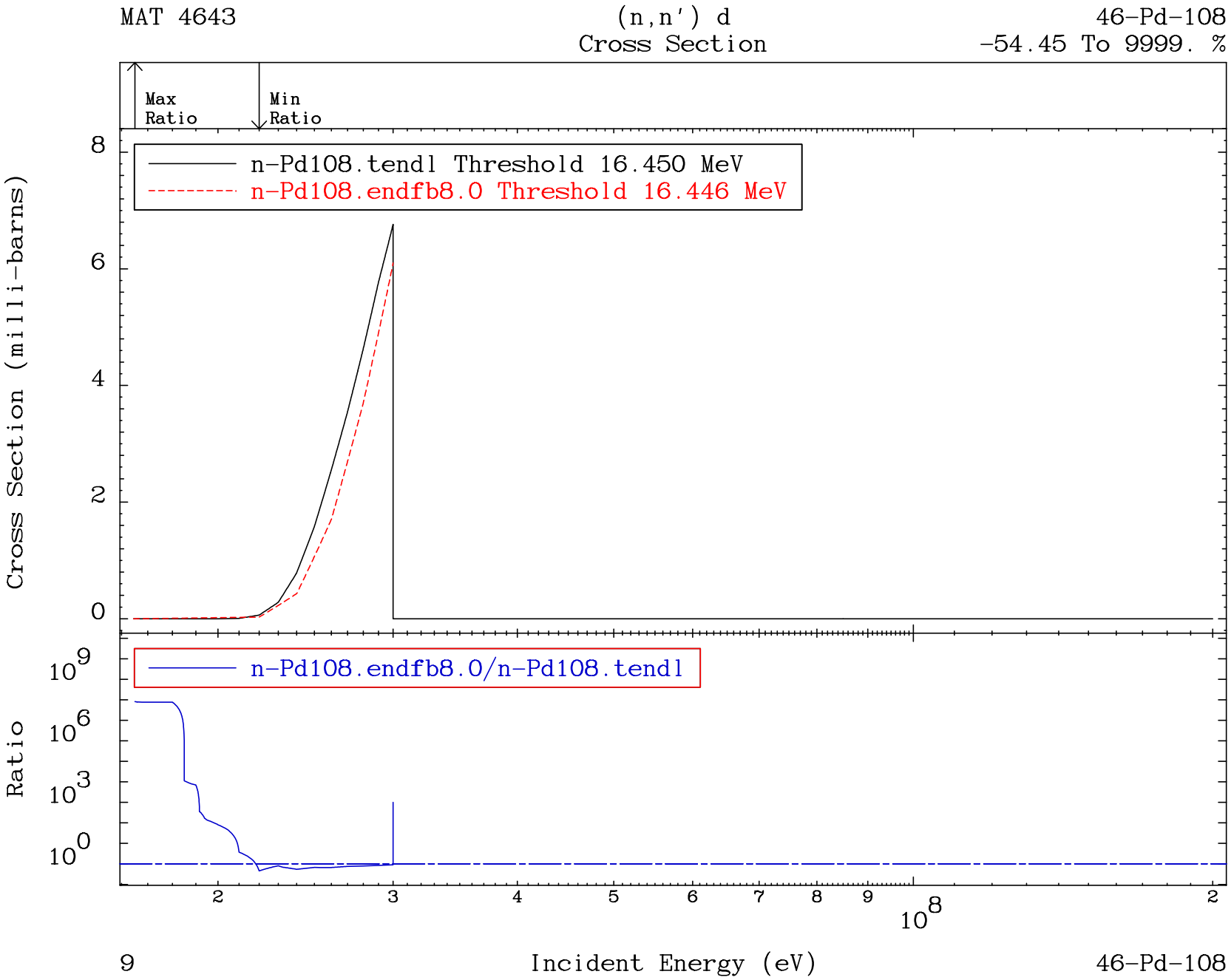

MAT 4643
(n,2n)
Cross Section
46-Pd-108
-47.61 To 22.95 %
Max
Ratio
n-Pd108.tendl Threshold 9.3091 MeV
n-Pd108.endfb8.0 Threshold 9.3066 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
1.2
0.8
9
2
3
4
5
6
7
8
9
2
10^7
10^8
4
Incident Energy (eV)
46-Pd-108

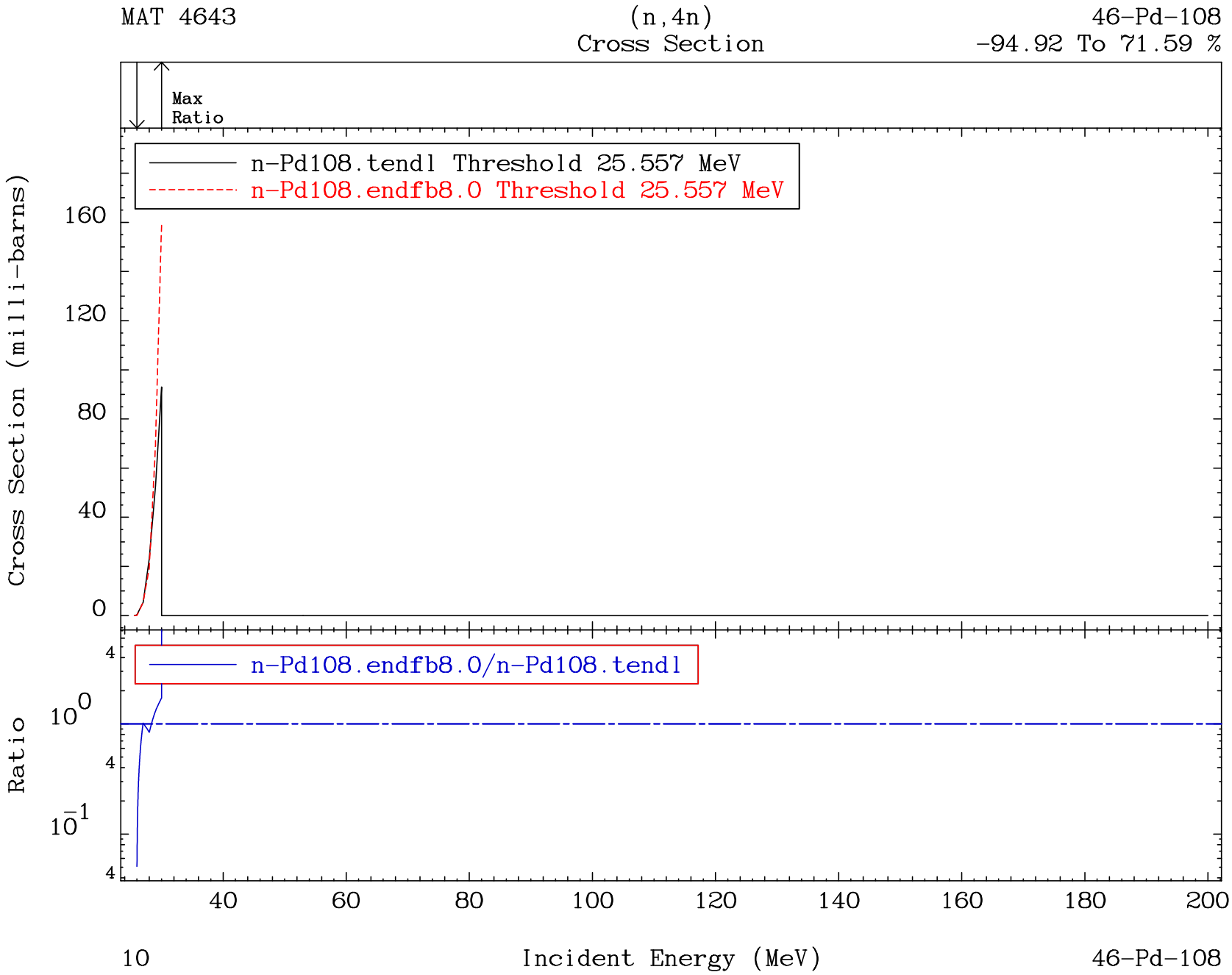

MAT 4643
(n,3n)
Cross Section
46-Pd-108
-95.26 To 51.72 %
Min Ratio
Max Ratio
n-Pd108.tendl Threshold 15.907 MeV
n-Pd108.endfb8.0 Threshold 15.907 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
10^-1
4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
46-Pd-108

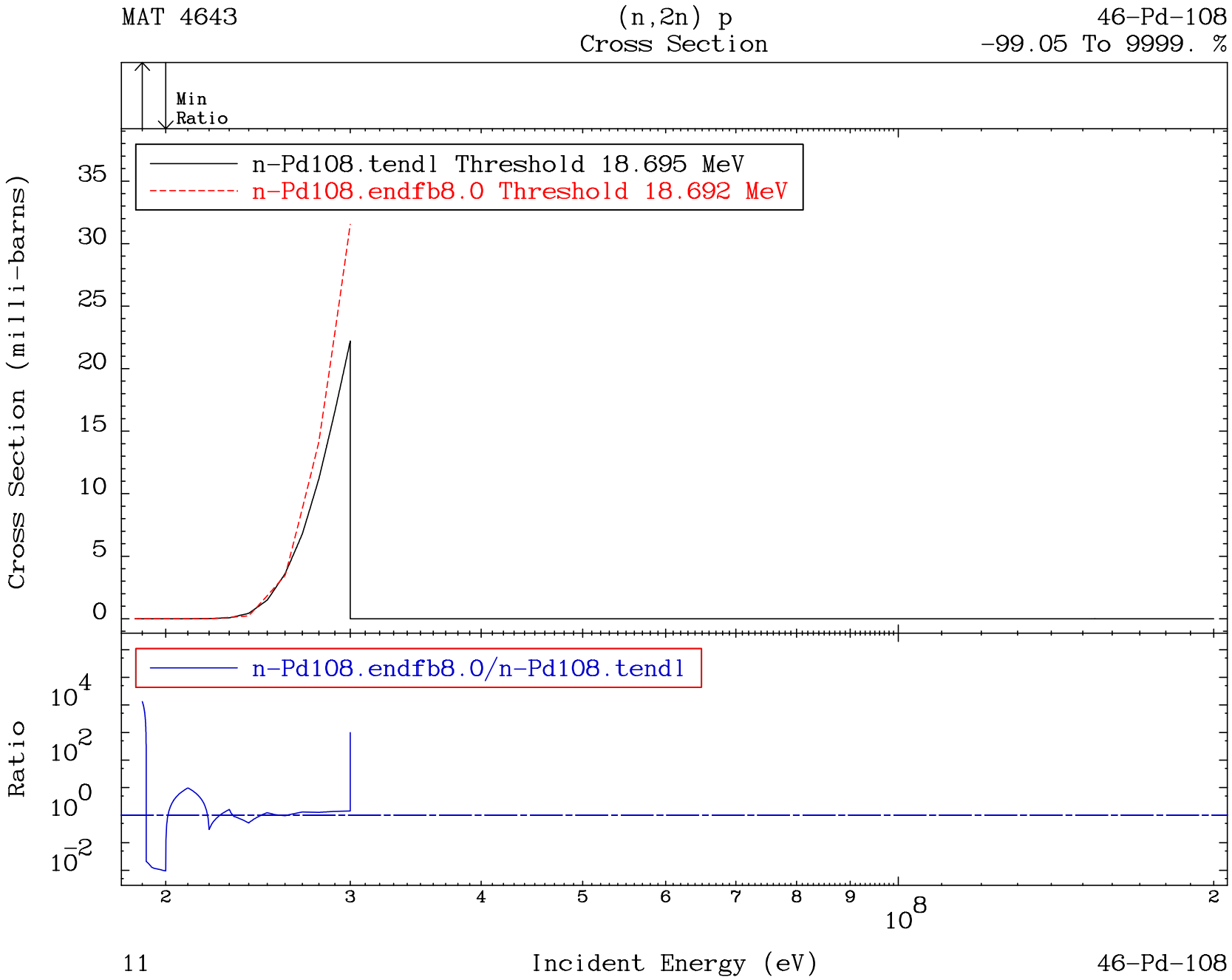

MAT 4643
(n,n') α
Cross Section
46-Pd-108
-79.08 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 3.8894 MeV
n-Pd108.endfb8.0 Threshold 3.8909 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
46-Pd-108

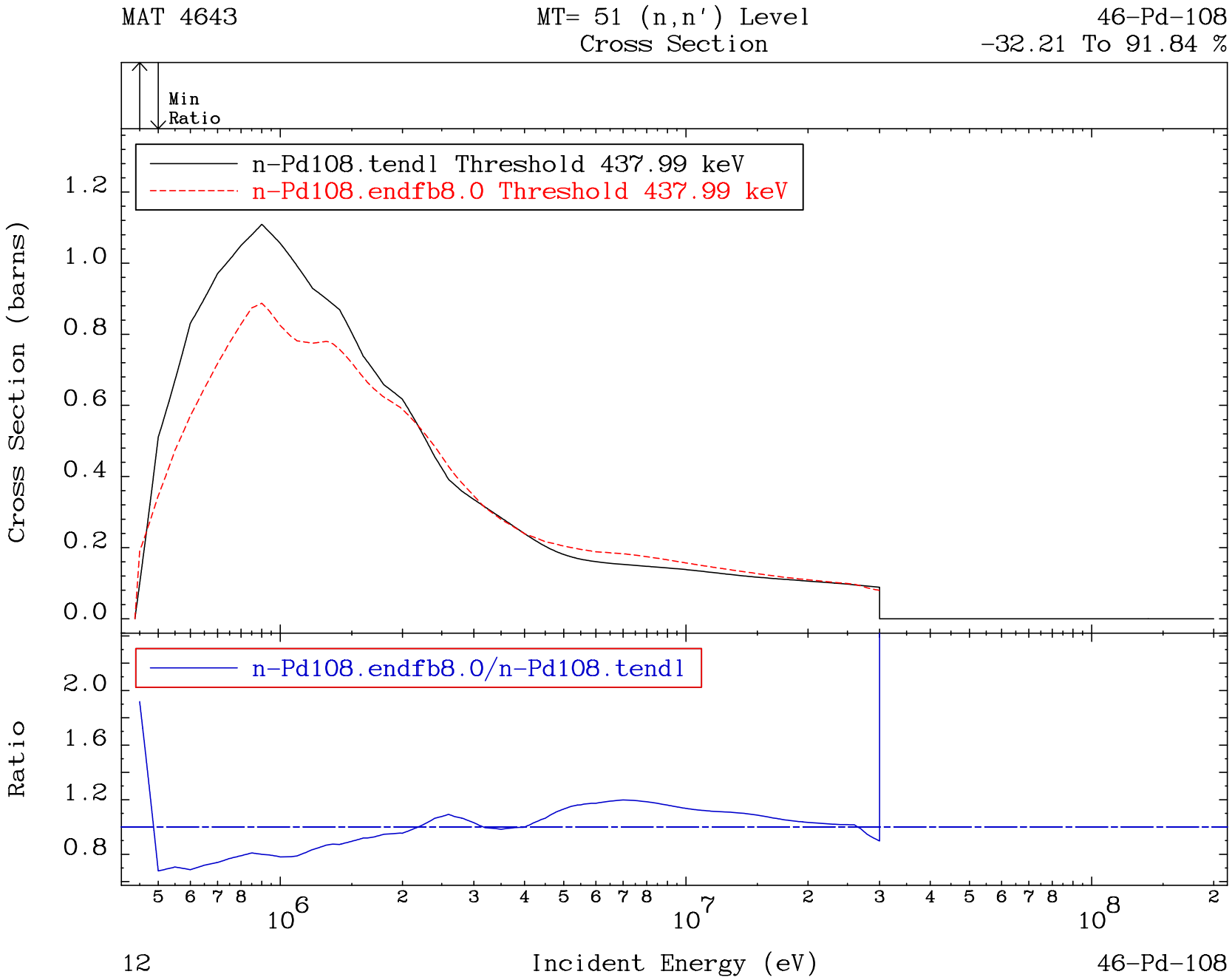

MAT 4643
(n,2n) α
Cross Section
46-Pd-108
-99.40 To 9999. %
Min Ratio
Max Ratio
n-Pd108.tendl Threshold 12.873 MeV
n-Pd108.endfb8.0 Threshold 12.878 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
46-Pd-108

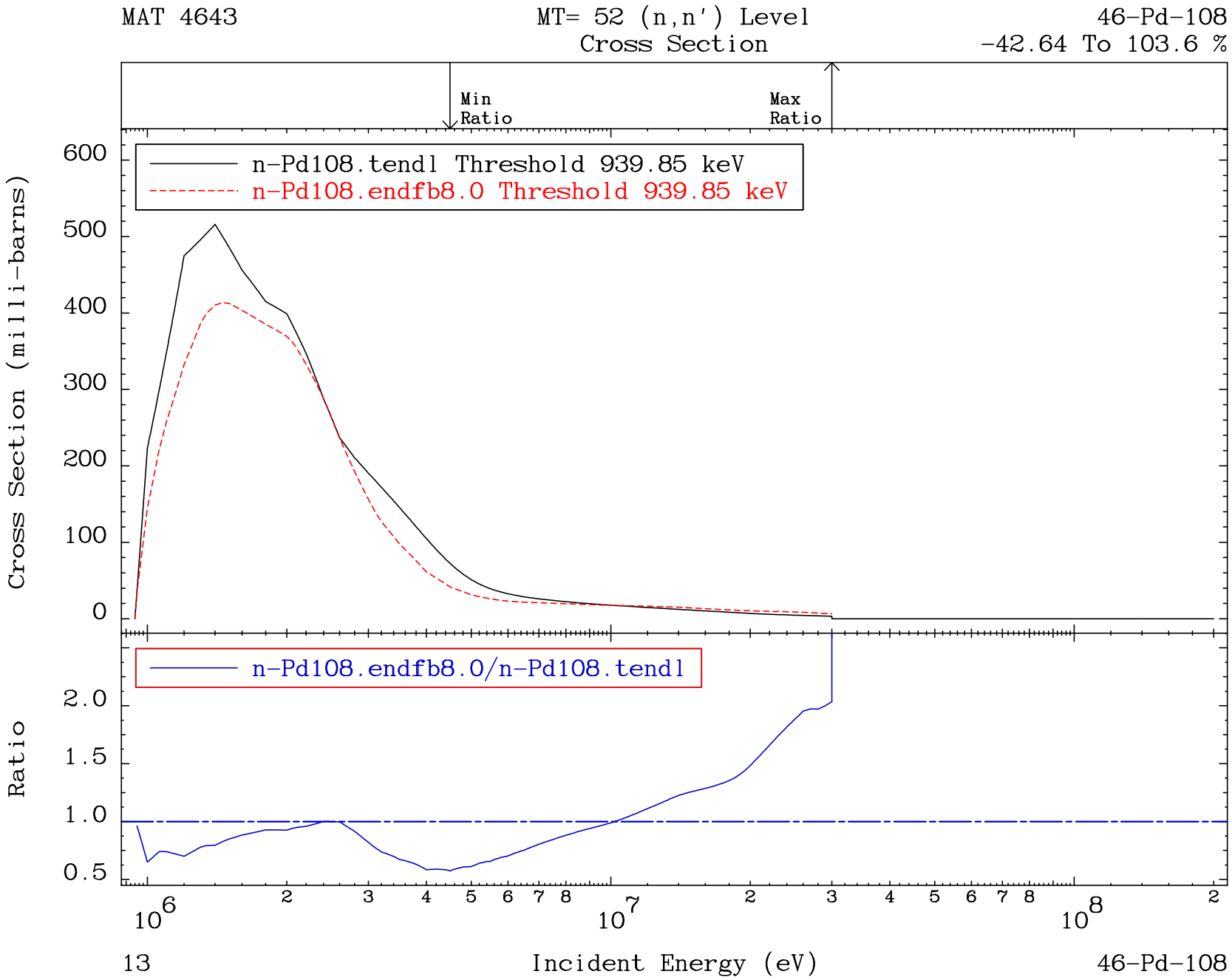

MAT 4643
(n,n') p
Cross Section
46-Pd-108
-86.60 To 625.5 %
Max
Ratio
n-Pd108.tendl Threshold 10.043 MeV
n-Pd108.endfb8.0 Threshold 10.043 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^1
10^0
10^-1
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
46-Pd-108

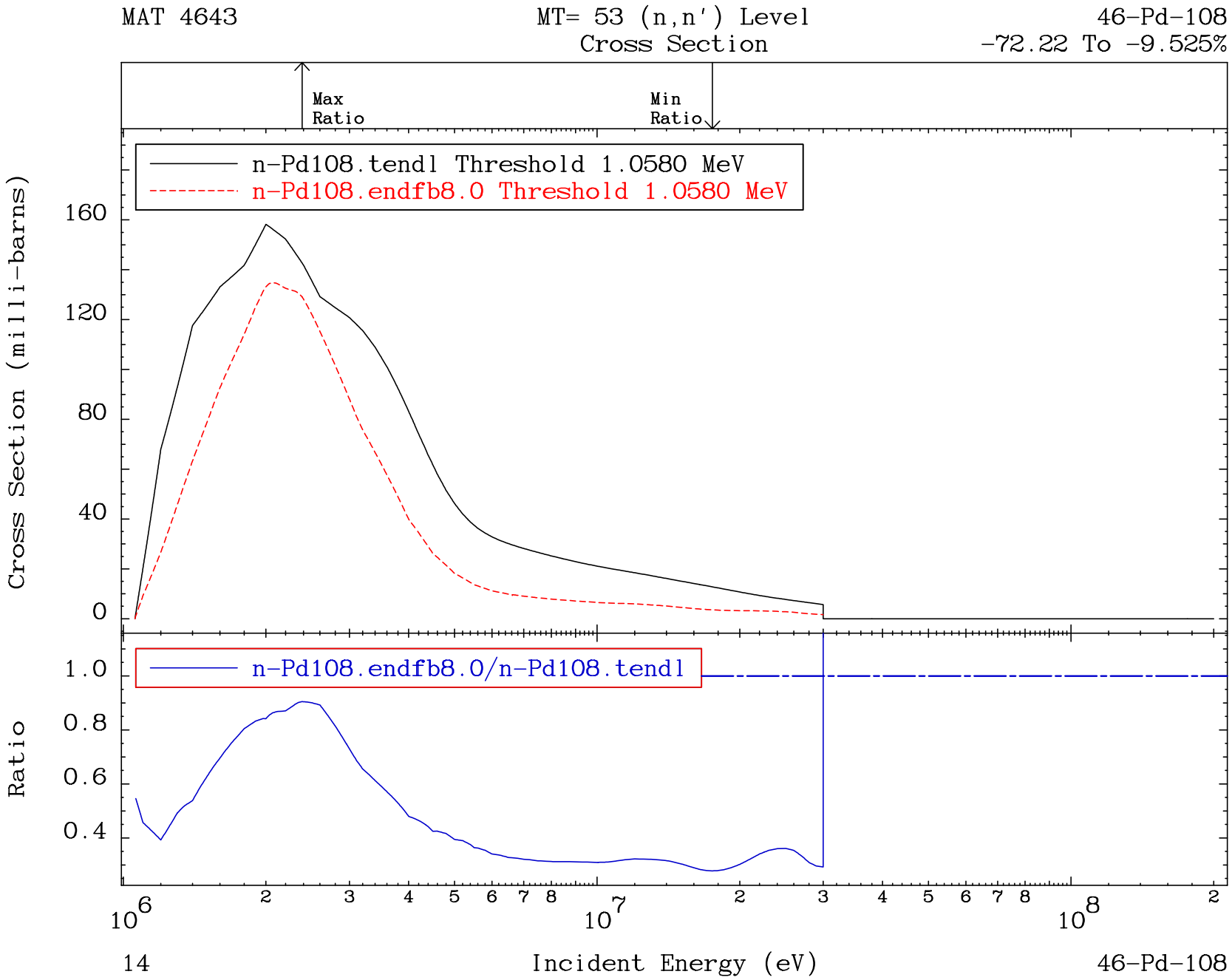

MAT 4643
(n,n') d
Cross Section
46-Pd-108
-54.45 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 16.450 MeV
n-Pd108.endfb8.0 Threshold 16.446 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
46-Pd-108

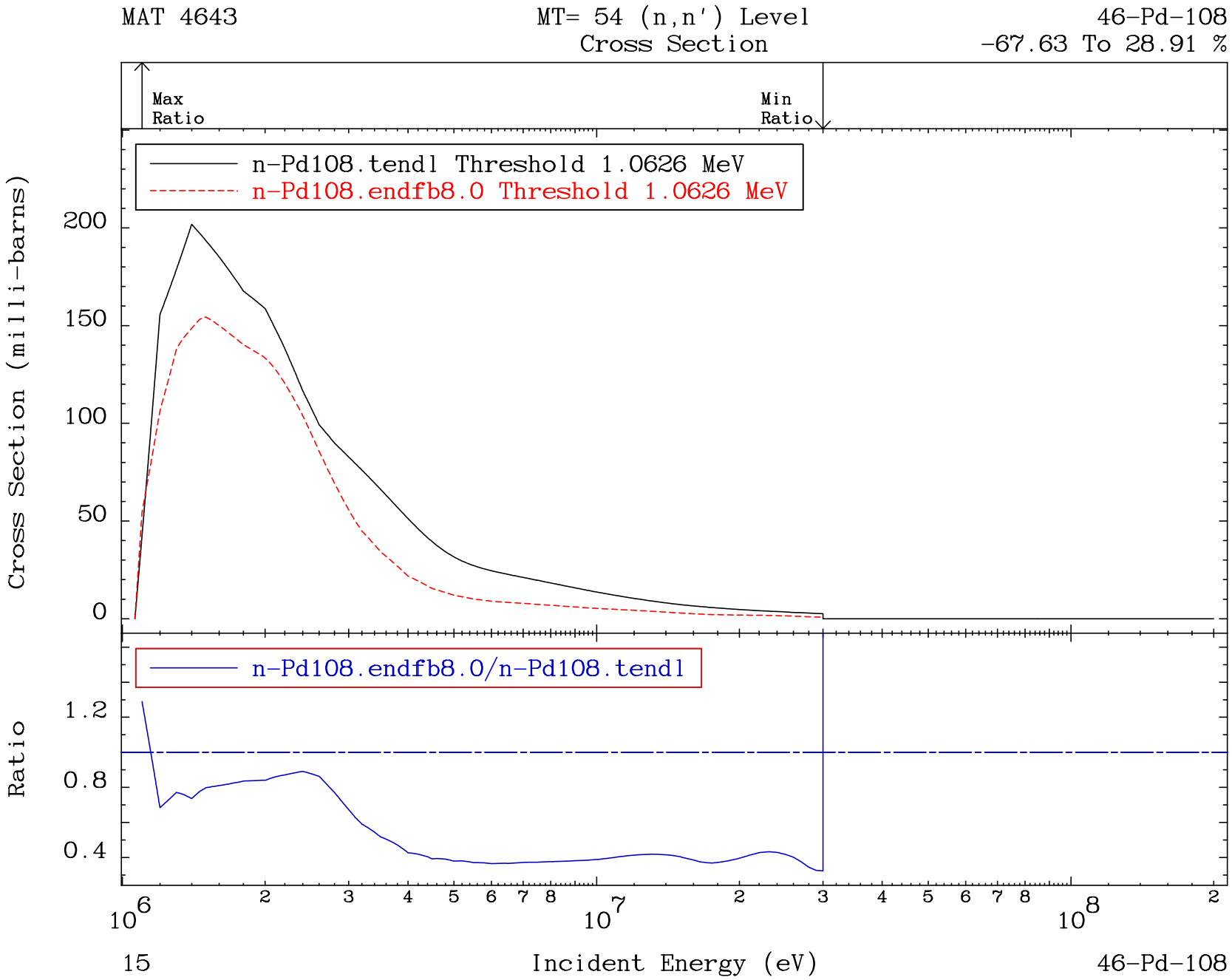

MAT 4643
(n,4n)
Cross Section
46-Pd-108
-94.92 To 71.59 %
Max
Ratio
n-Pd108.tendl Threshold 25.557 MeV
n-Pd108.endfb8.0 Threshold 25.557 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
10^-1
40
60
80
100
120
140
160
180
200
10
Incident Energy (MeV)
46-Pd-108

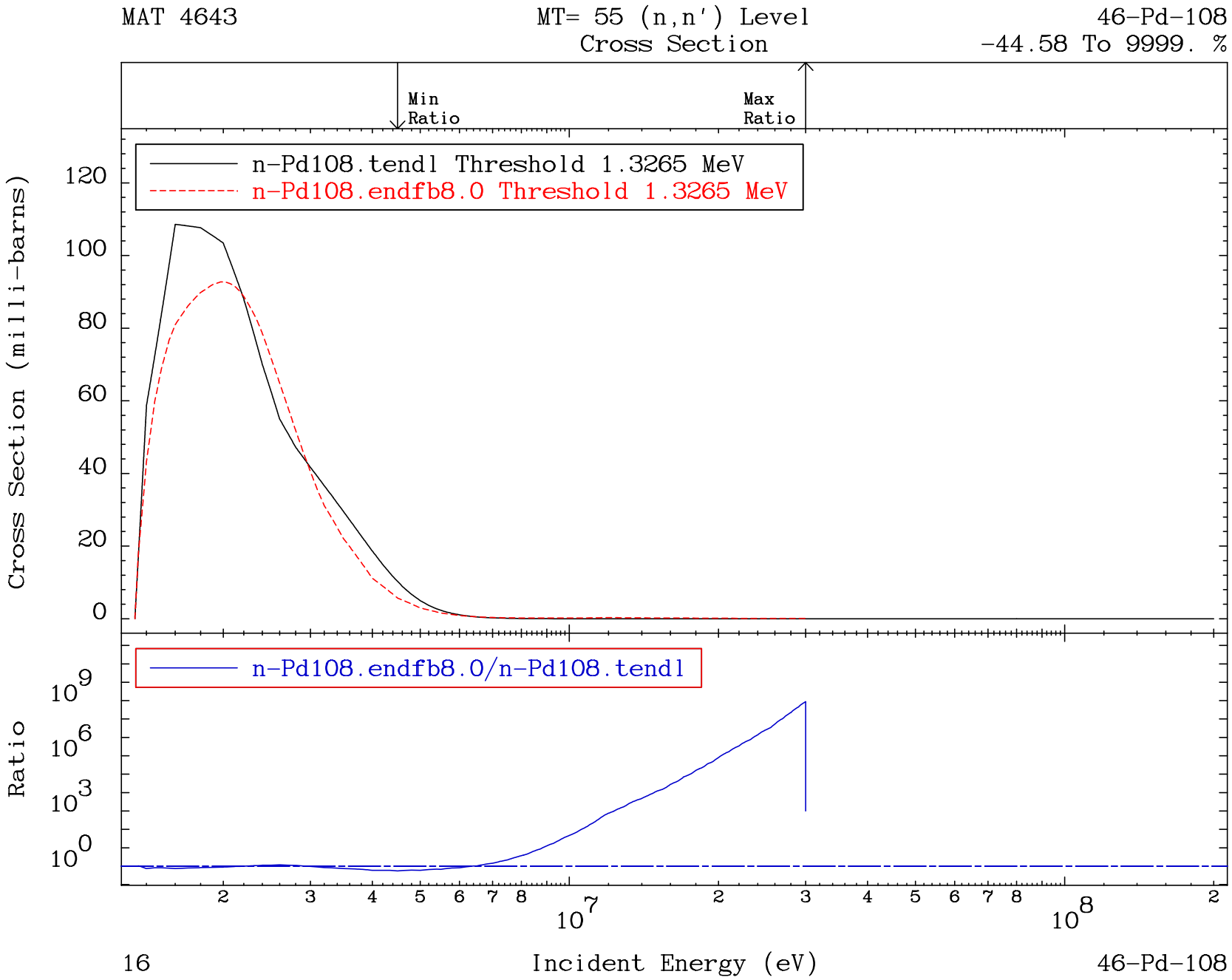

MAT 4643
(n,2n) p
Cross Section
46-Pd-108
-99.05 To 9999. %
Min
Ratio
n-Pd108.tendl Threshold 18.695 MeV
n-Pd108.endfb8.0 Threshold 18.692 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^4
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
46-Pd-108

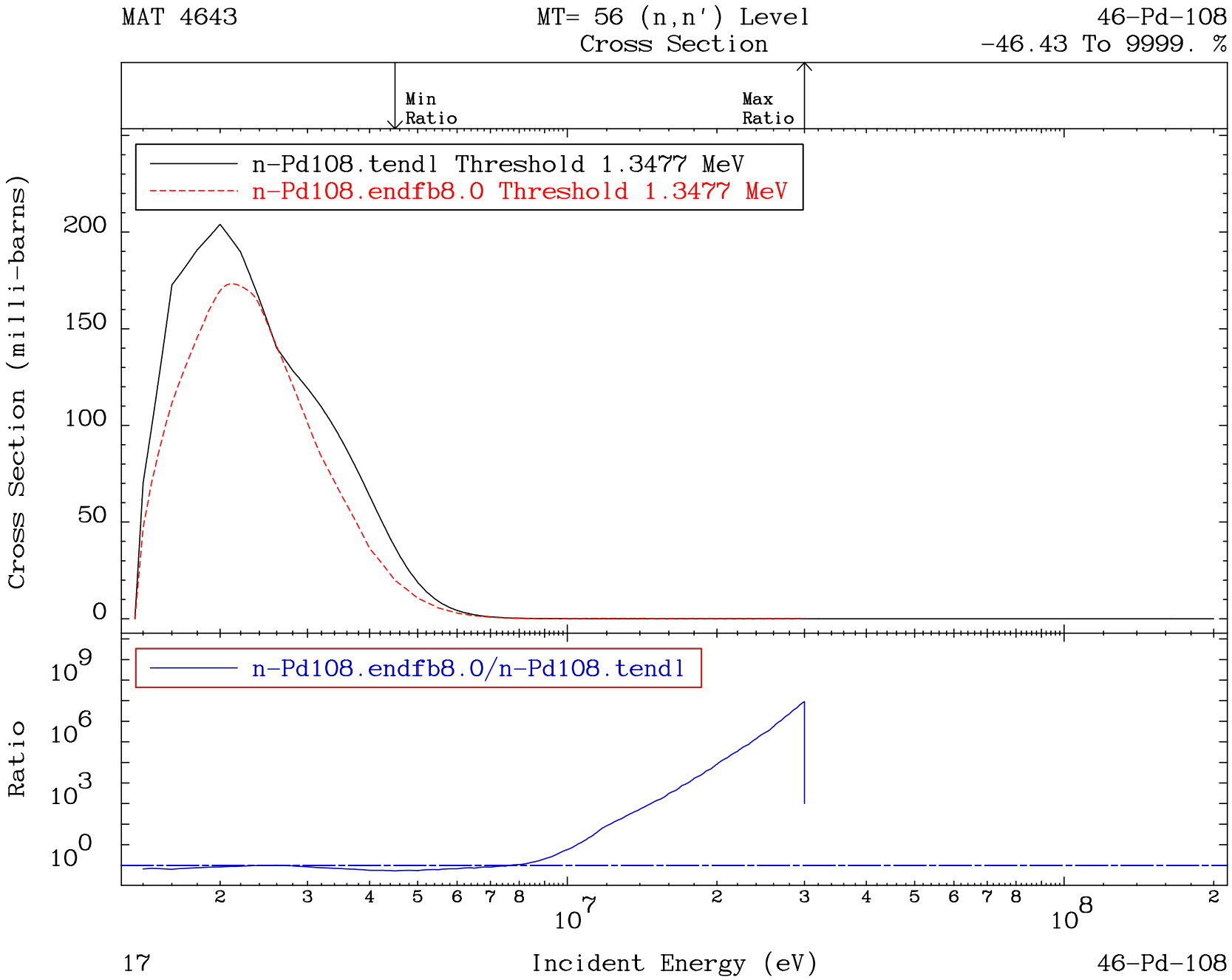

MAT 4643
MT= 51 (n,n') Level
Cross Section
46-Pd-108
-32.21 To 91.84 %
Min
Ratio
n-Pd108.tendl Threshold 437.99 keV
n-Pd108.endfb8.0 Threshold 437.99 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
2.0
1.6
1.2
0.8
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
46-Pd-108

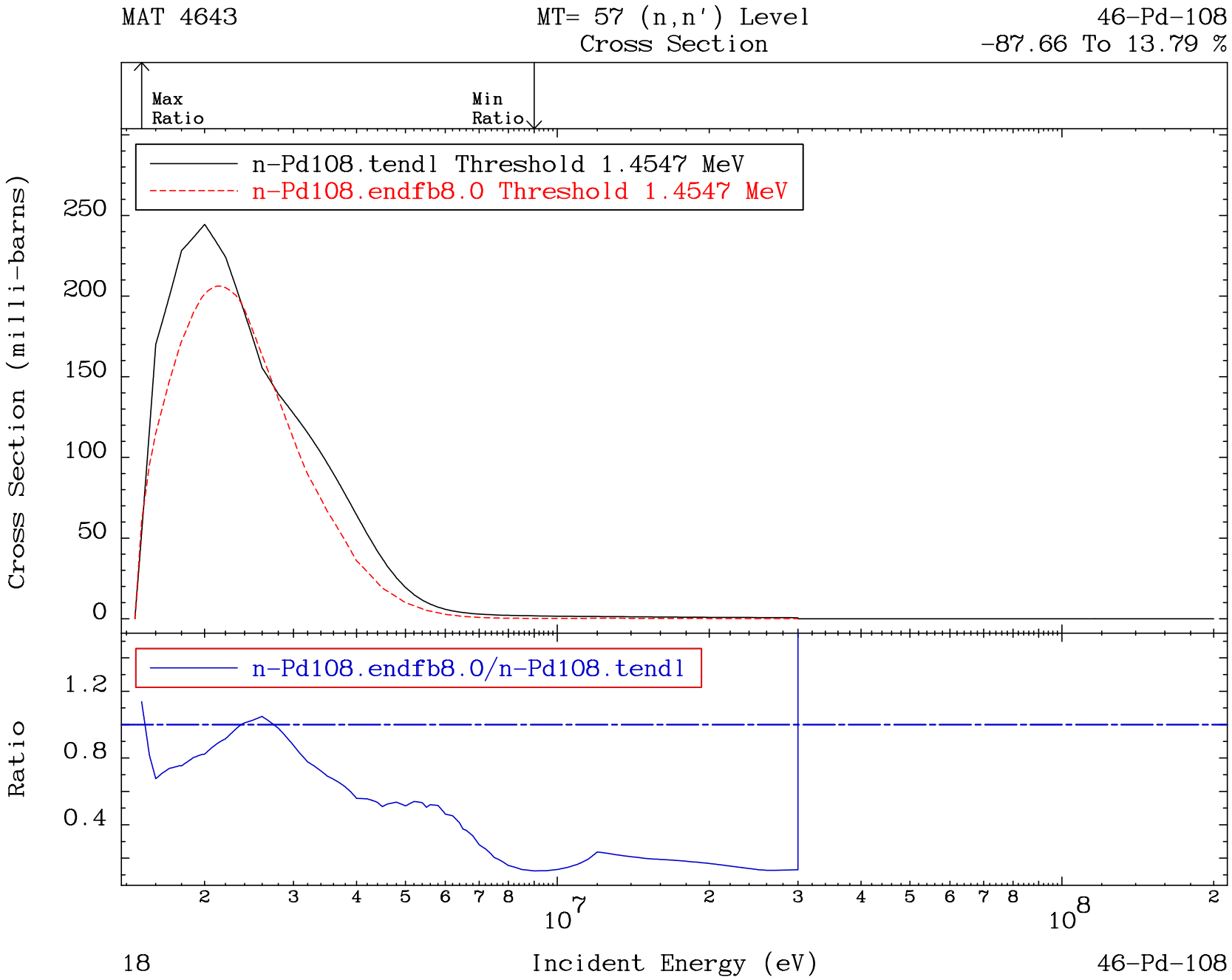

MAT 4643
MT= 52 (n,n') Level
Cross Section
46-Pd-108
-42.64 To 103.6 %
Min
Ratio
Max
Ratio
n-Pd108.tendl Threshold 939.85 keV
n-Pd108.endfb8.0 Threshold 939.85 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
2.0
1.5
1.0
0.5
10^6
10^7
10^8
13
Incident Energy (eV)
46-Pd-108

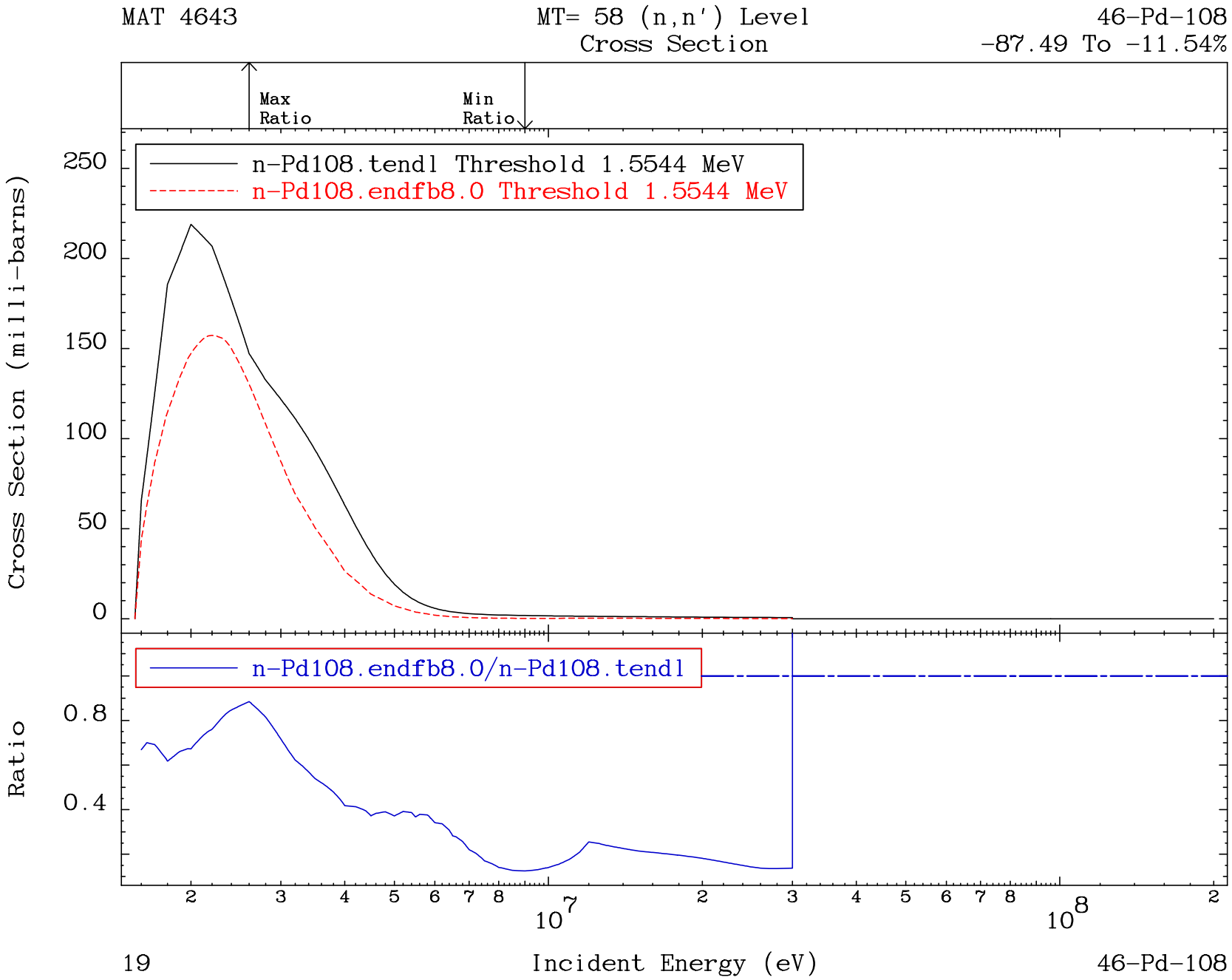

MAT 4643
MT= 53 (n,n') Level
Cross Section
46-Pd-108
-72.22 To -9.525%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 1.0580 MeV
n-Pd108.endfb8.0 Threshold 1.0580 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
1.0
0.8
0.6
0.4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
46-Pd-108

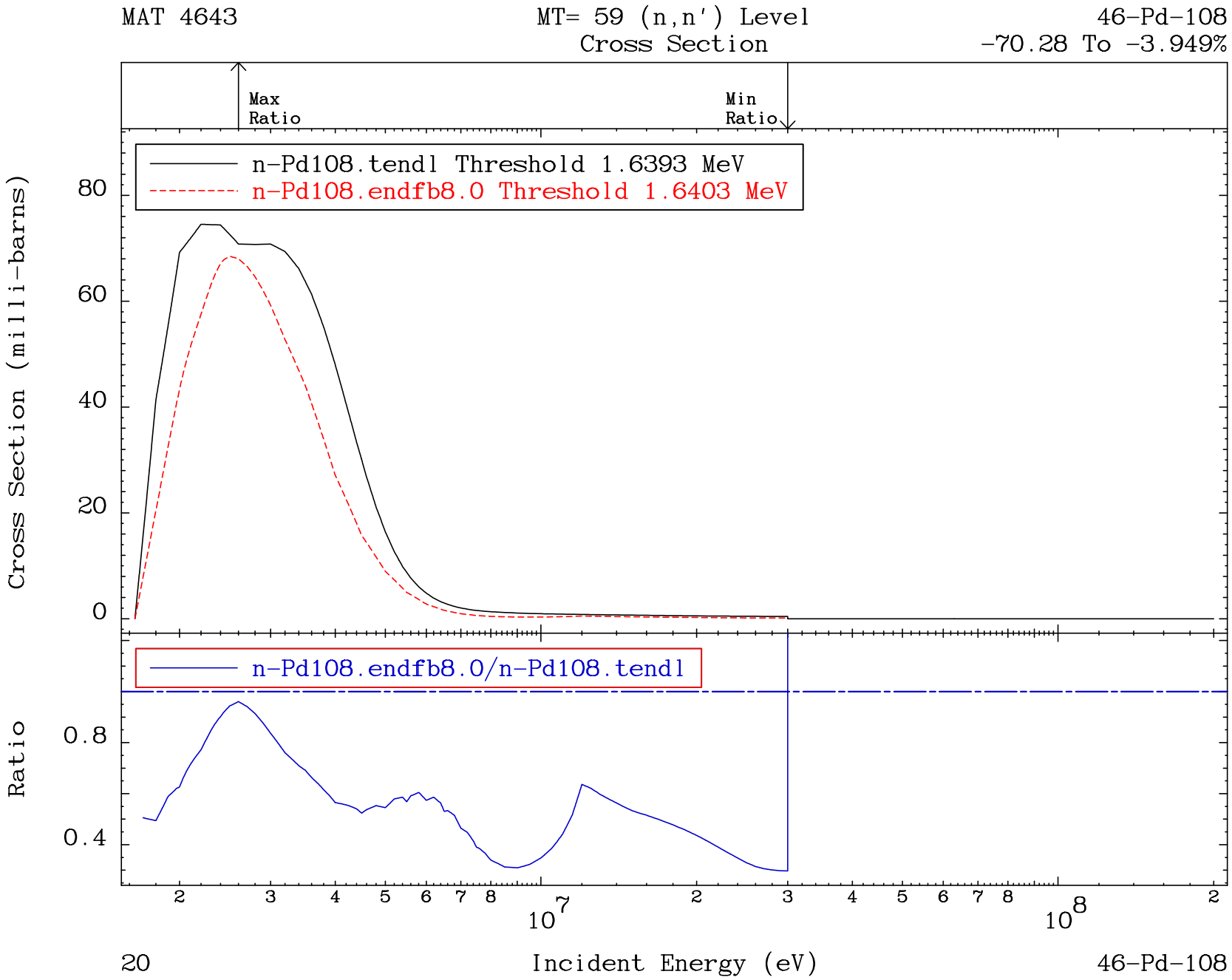

MAT 4643
MT= 54 (n,n') Level
Cross Section
46-Pd-108
-67.63 To 28.91 %
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 1.0626 MeV
n-Pd108.endfb8.0 Threshold 1.0626 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
1.2
0.8
0.4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
46-Pd-108

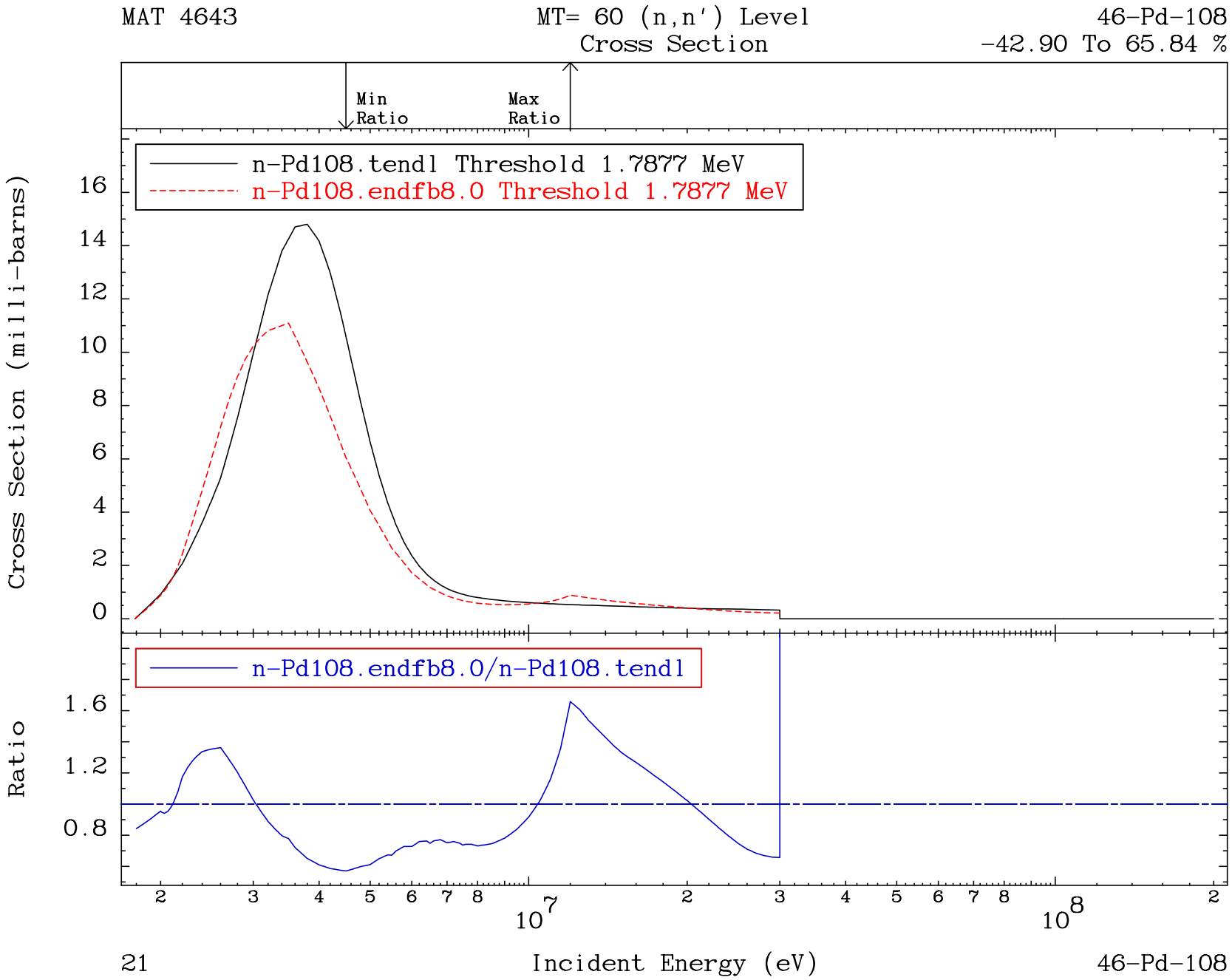

MAT 4643
MT= 55 (n,n') Level
Cross Section
46-Pd-108
-44.58 To 9999. %
Min
Ratio
Max
Ratio
n-Pd108.tendl Threshold 1.3265 MeV
n-Pd108.endfb8.0 Threshold 1.3265 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
46-Pd-108

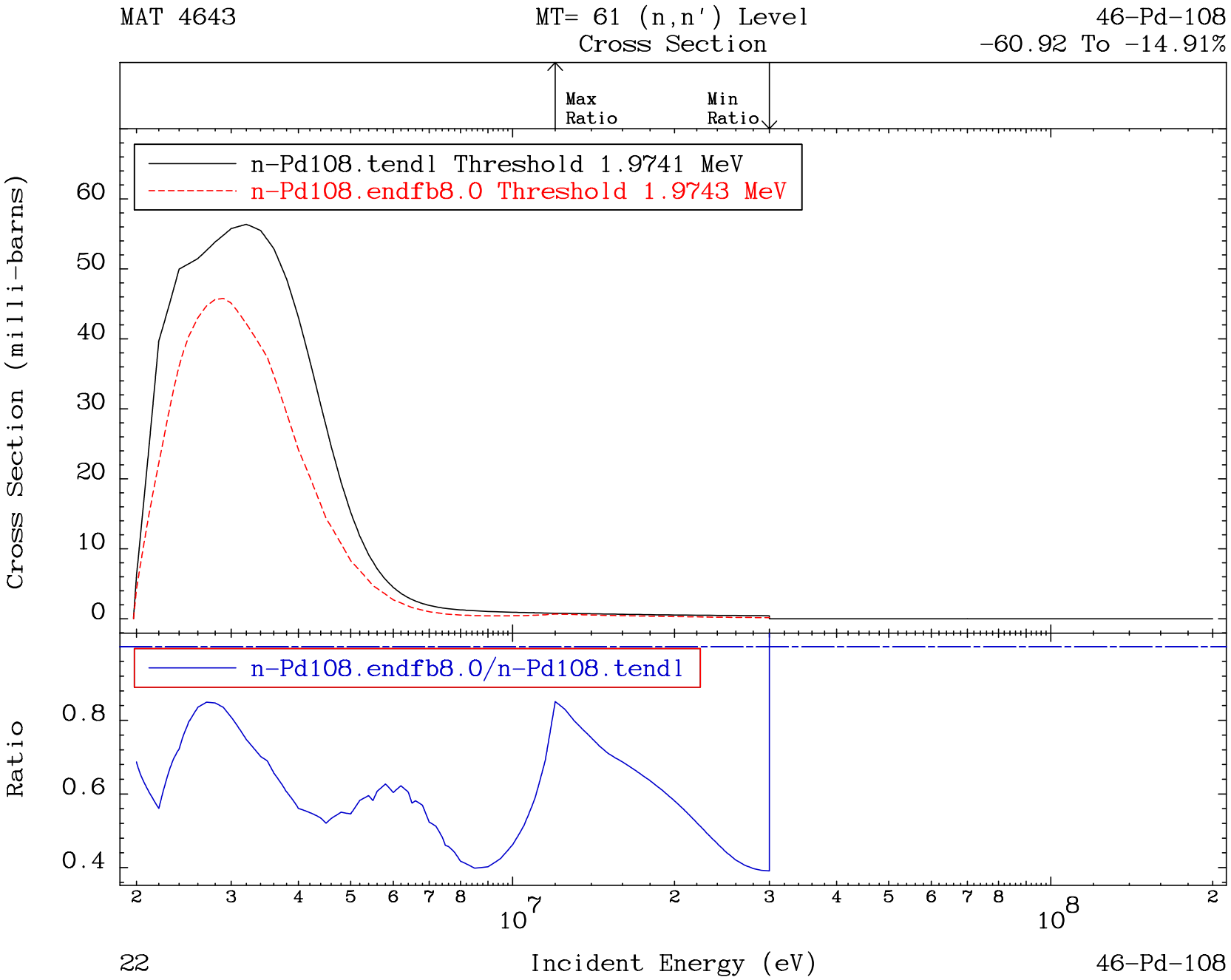

MAT 4643
MT= 56 (n,n') Level
Cross Section
46-Pd-108
-46.43 To 9999. %
Min
Ratio
Max
Ratio
n-Pd108.tendl Threshold 1.3477 MeV
n-Pd108.endfb8.0 Threshold 1.3477 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
46-Pd-108

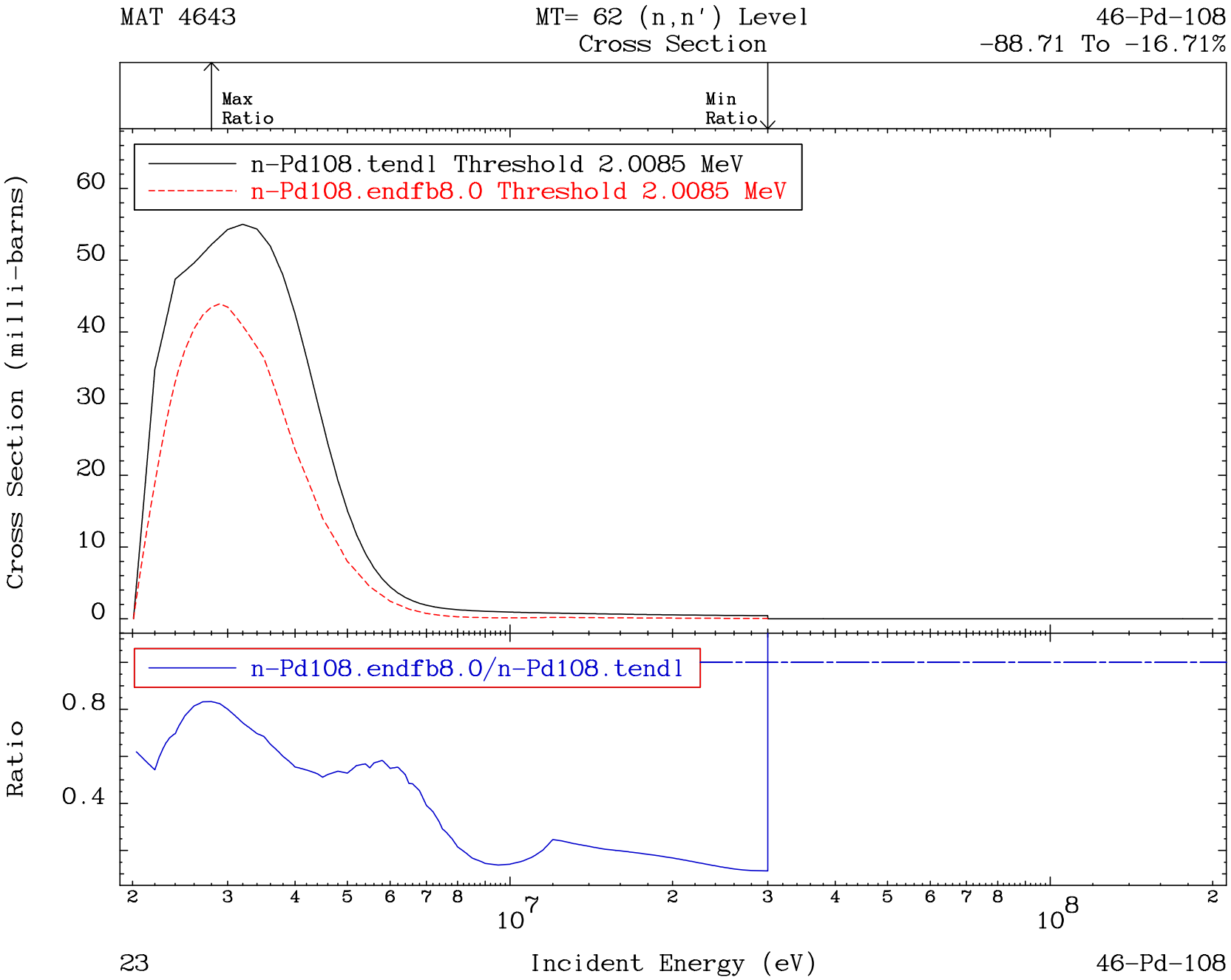

MAT 4643
MT= 57 (n,n') Level
Cross Section
46-Pd-108
-87.66 To 13.79 %
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 1.4547 MeV
n-Pd108.endfb8.0 Threshold 1.4547 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
46-Pd-108

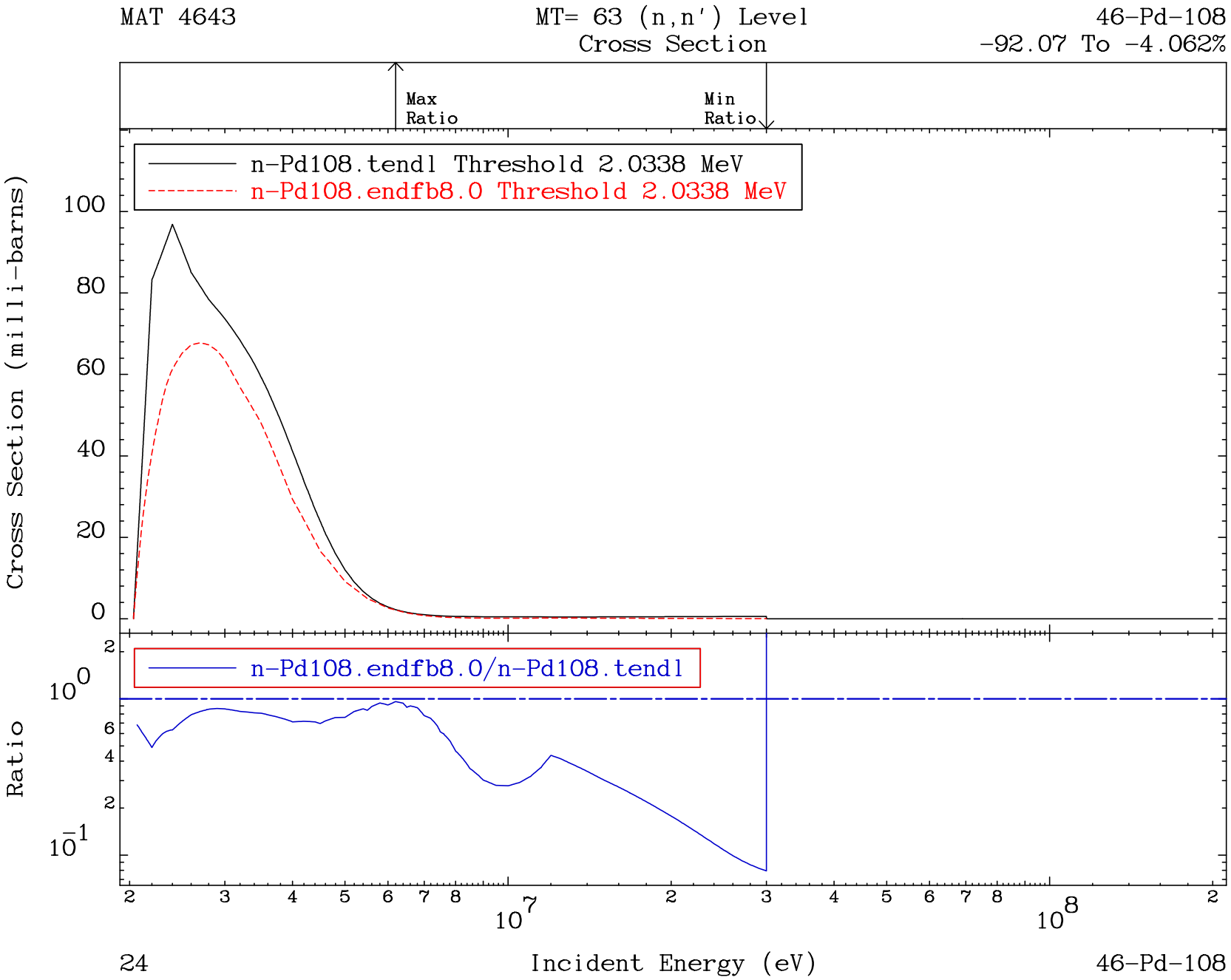

MAT 4643
MT= 58 (n,n') Level
Cross Section
46-Pd-108
-87.49 To -11.54%
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 1.5544 MeV
n-Pd108.endfb8.0 Threshold 1.5544 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
46-Pd-108

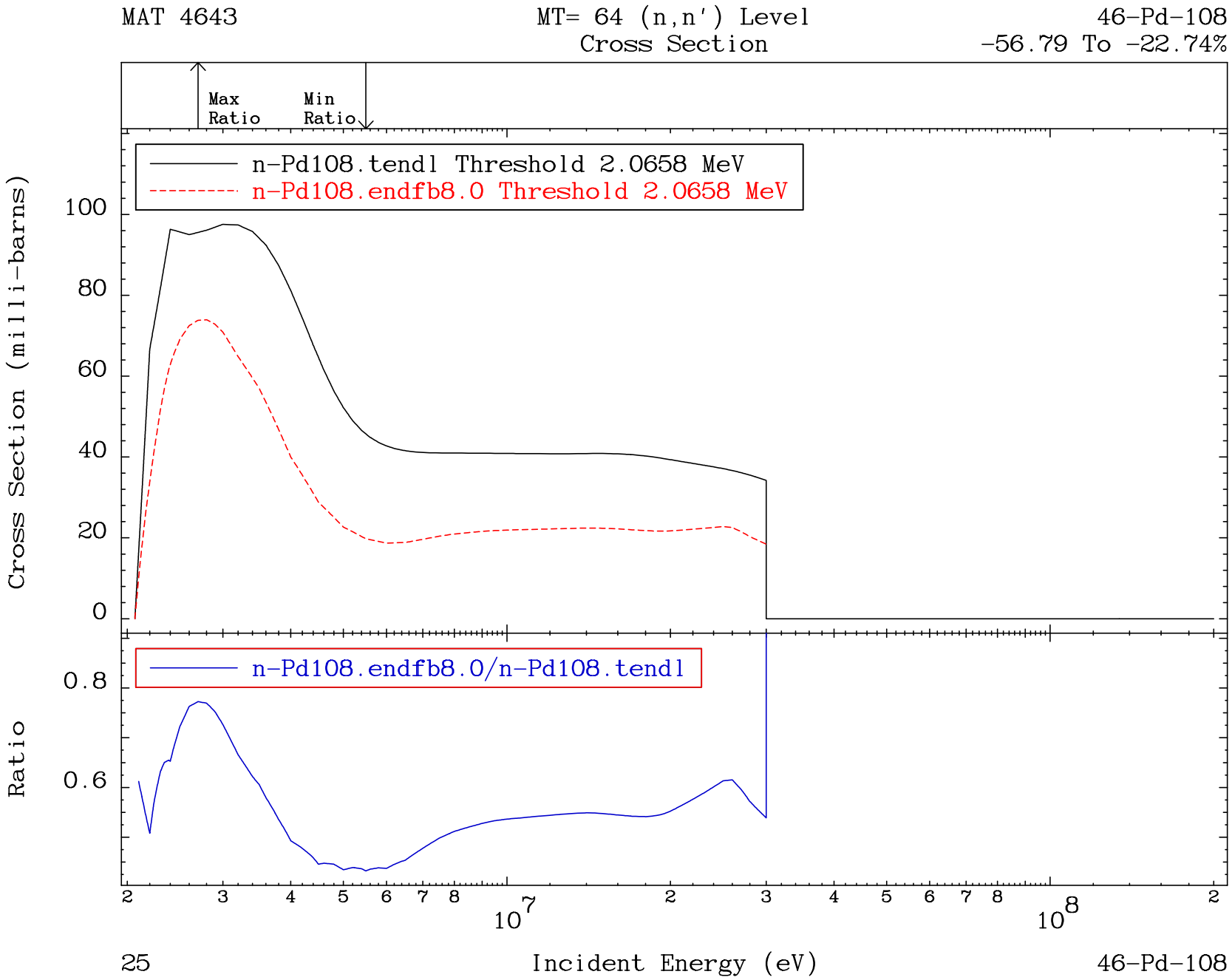

MAT 4643
MT= 59 (n,n') Level
Cross Section
46-Pd-108
-70.28 To -3.949%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 1.6393 MeV
n-Pd108.endfb8.0 Threshold 1.6403 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
46-Pd-108

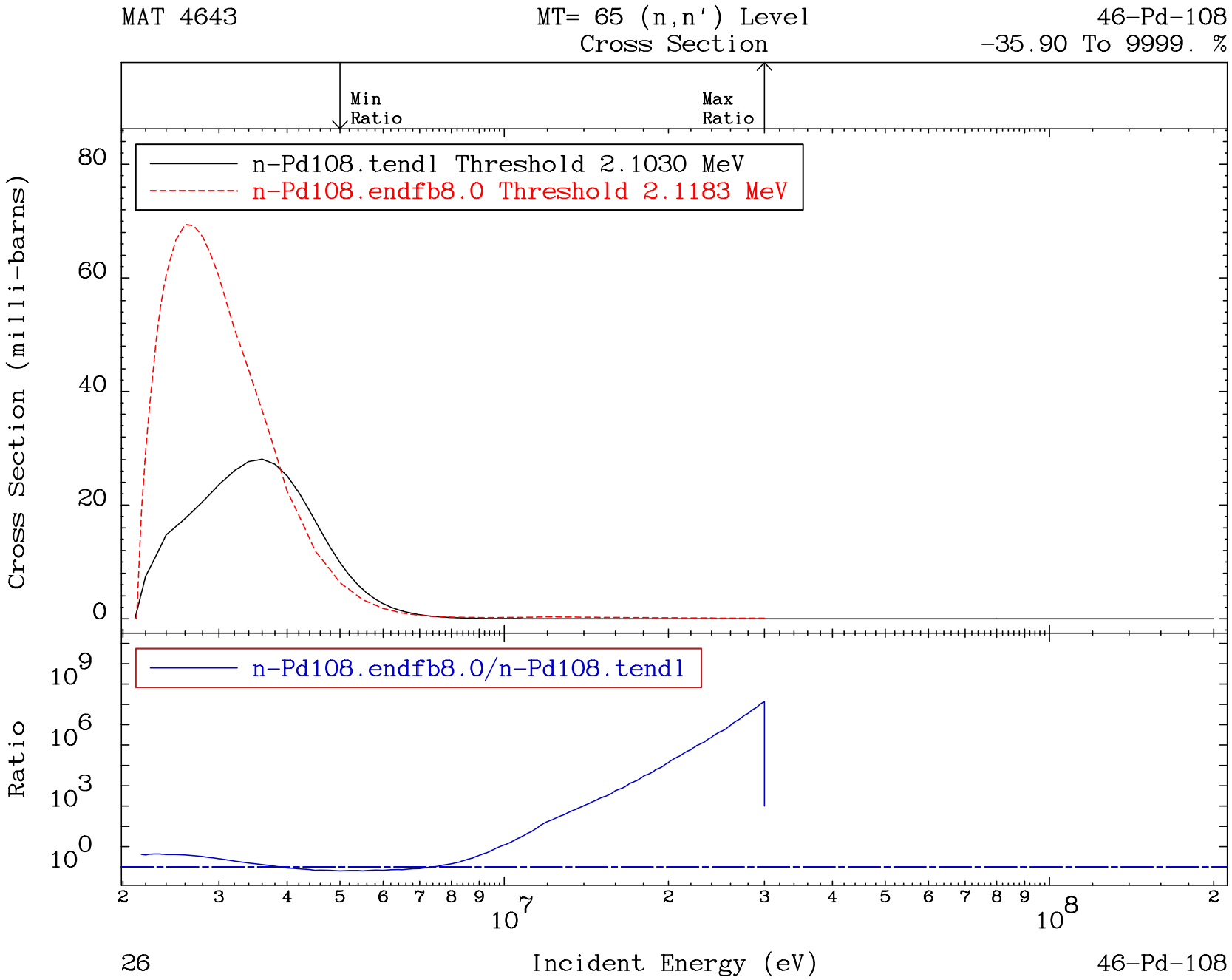

MAT 4643
MT= 60 (n,n') Level
Cross Section
46-Pd-108
-42.90 To 65.84 %
Min Ratio
Max Ratio
n-Pd108.tendl Threshold 1.7877 MeV
n-Pd108.endfb8.0 Threshold 1.7877 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
1.2
1.6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
46-Pd-108

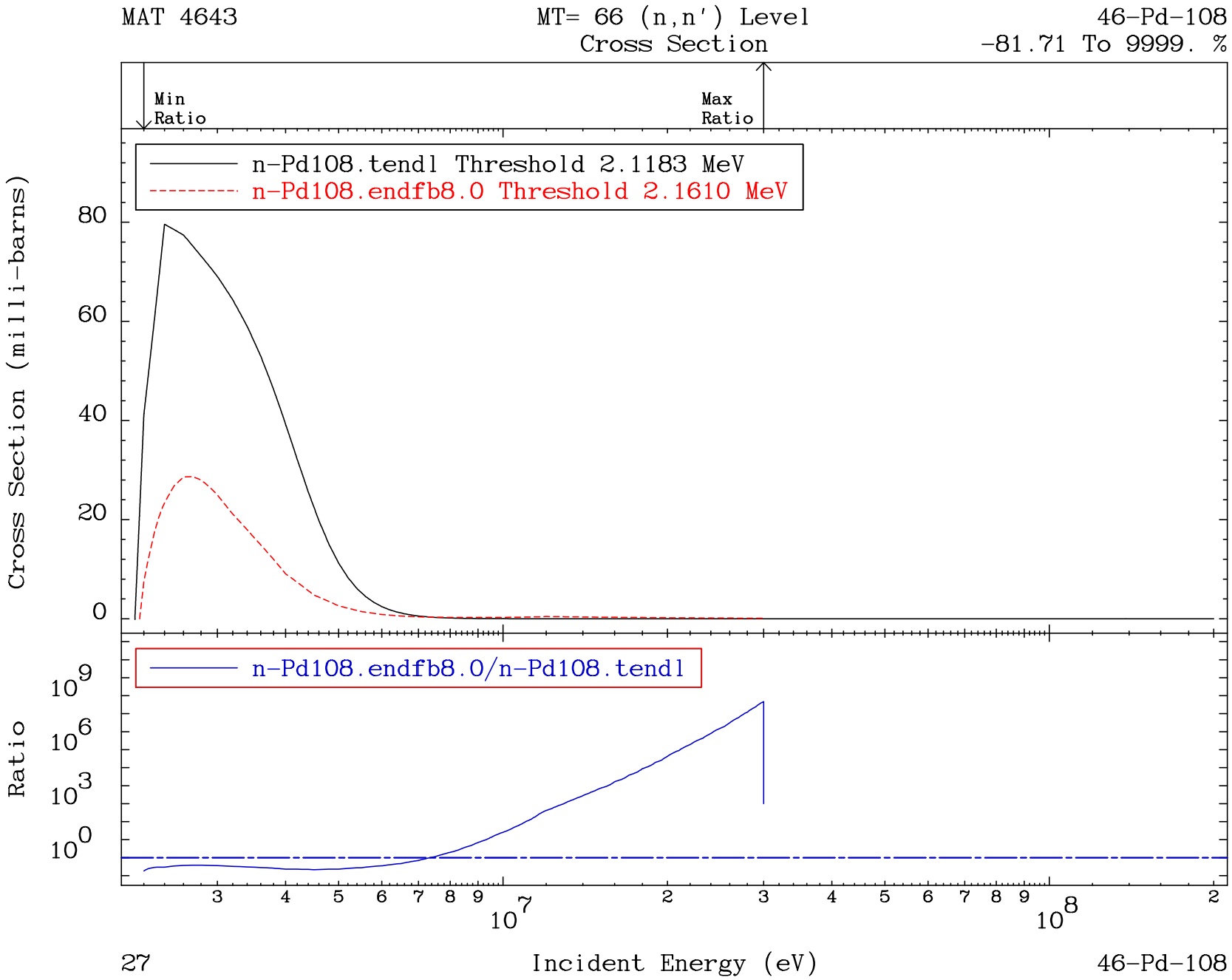

MAT 4643
MT= 61 (n,n') Level
Cross Section
46-Pd-108
-60.92 To -14.91%
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 1.9741 MeV
n-Pd108.endfb8.0 Threshold 1.9743 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.6
0.4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
46-Pd-108

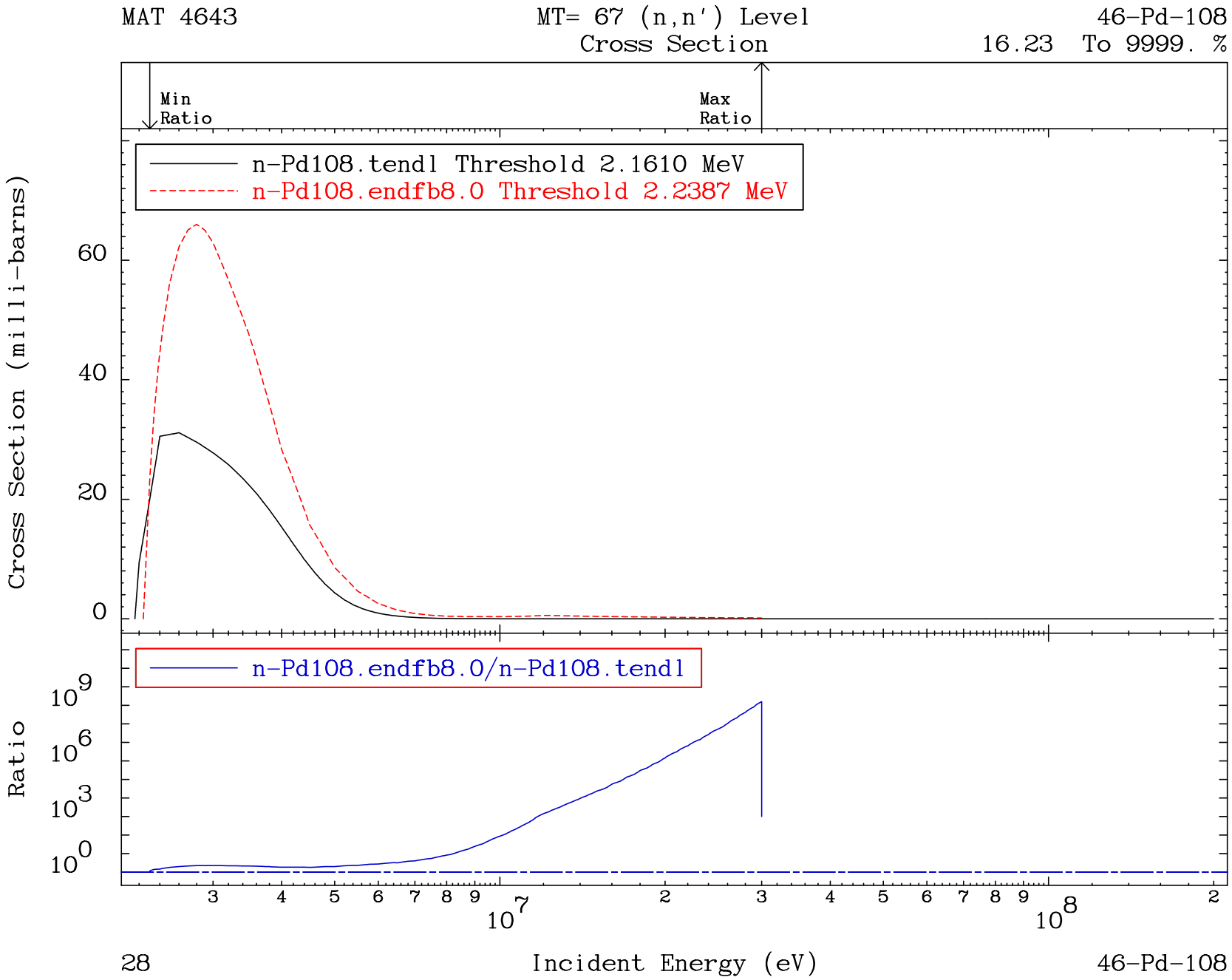

MAT 4643
MT= 62 (n,n') Level
Cross Section
46-Pd-108
-88.71 To -16.71%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 2.0085 MeV
n-Pd108.endfb8.0 Threshold 2.0085 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
46-Pd-108

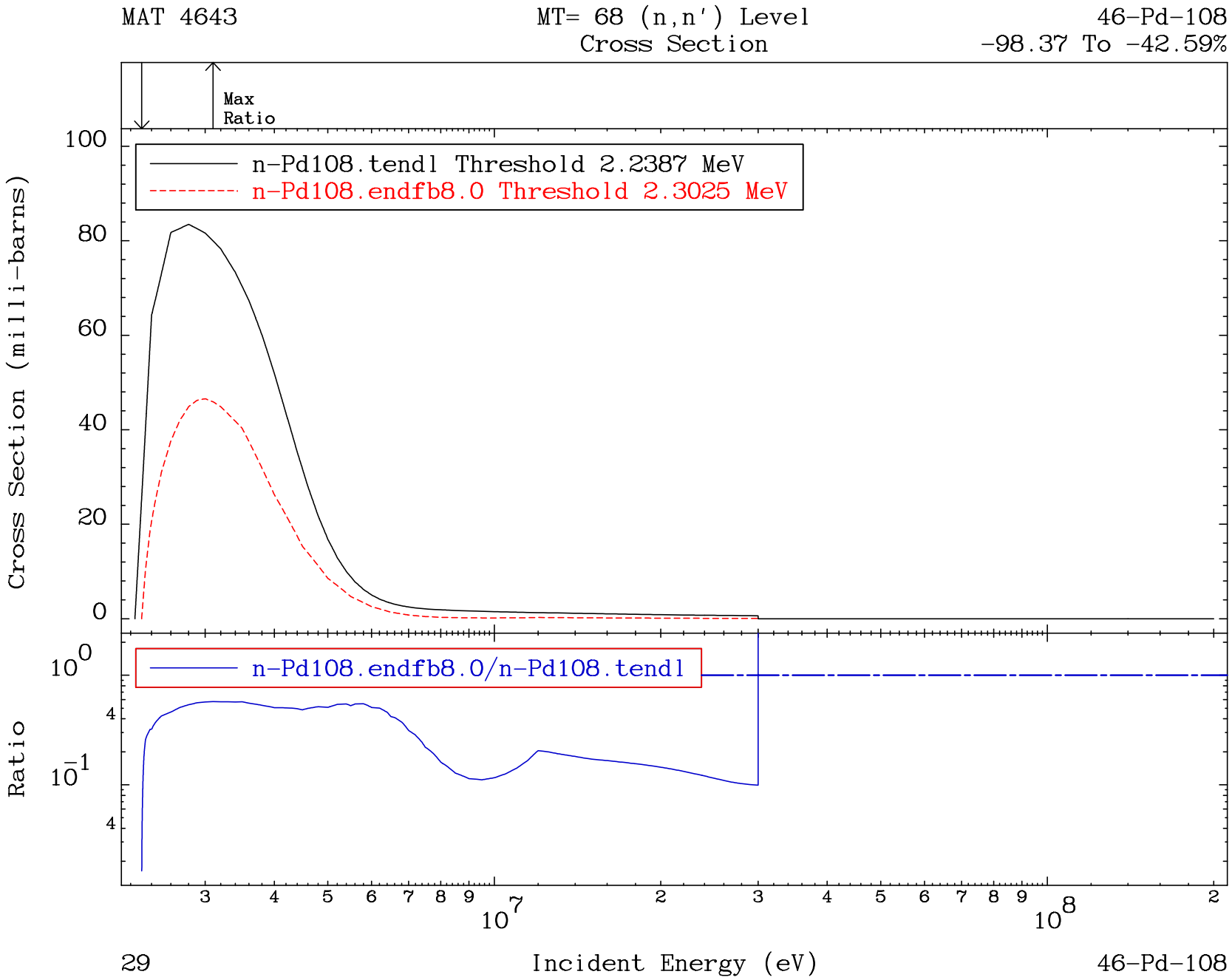

MAT 4643
MT= 63 (n,n') Level
Cross Section
46-Pd-108
-92.07 To -4.062%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 2.0338 MeV
n-Pd108.endfb8.0 Threshold 2.0338 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
2
10^0
6
4
2
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
46-Pd-108

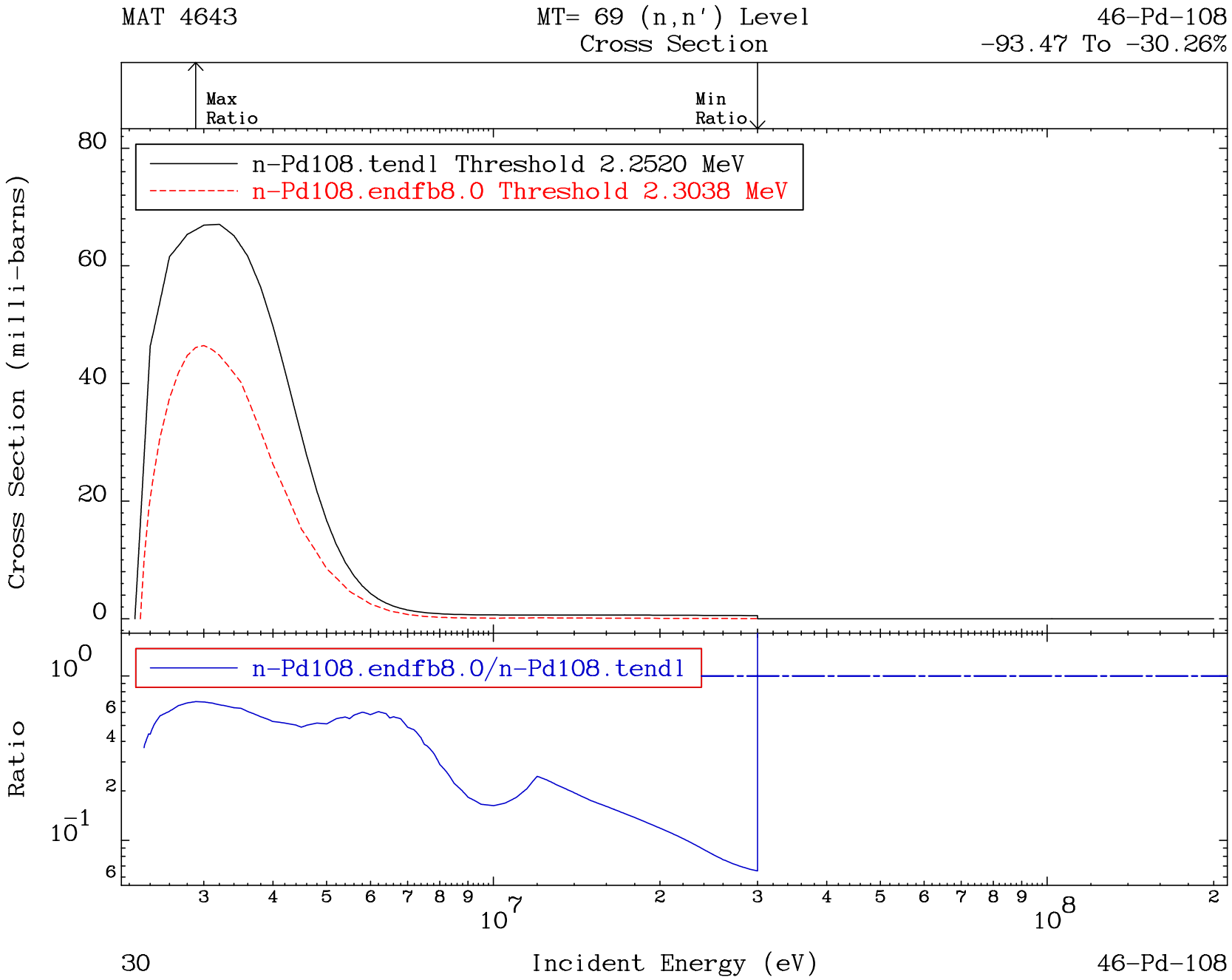

MAT 4643
MT= 64 (n,n') Level
Cross Section
46-Pd-108
-56.79 To -22.74%
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 2.0658 MeV
n-Pd108.endfb8.0 Threshold 2.0658 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.6
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
46-Pd-108

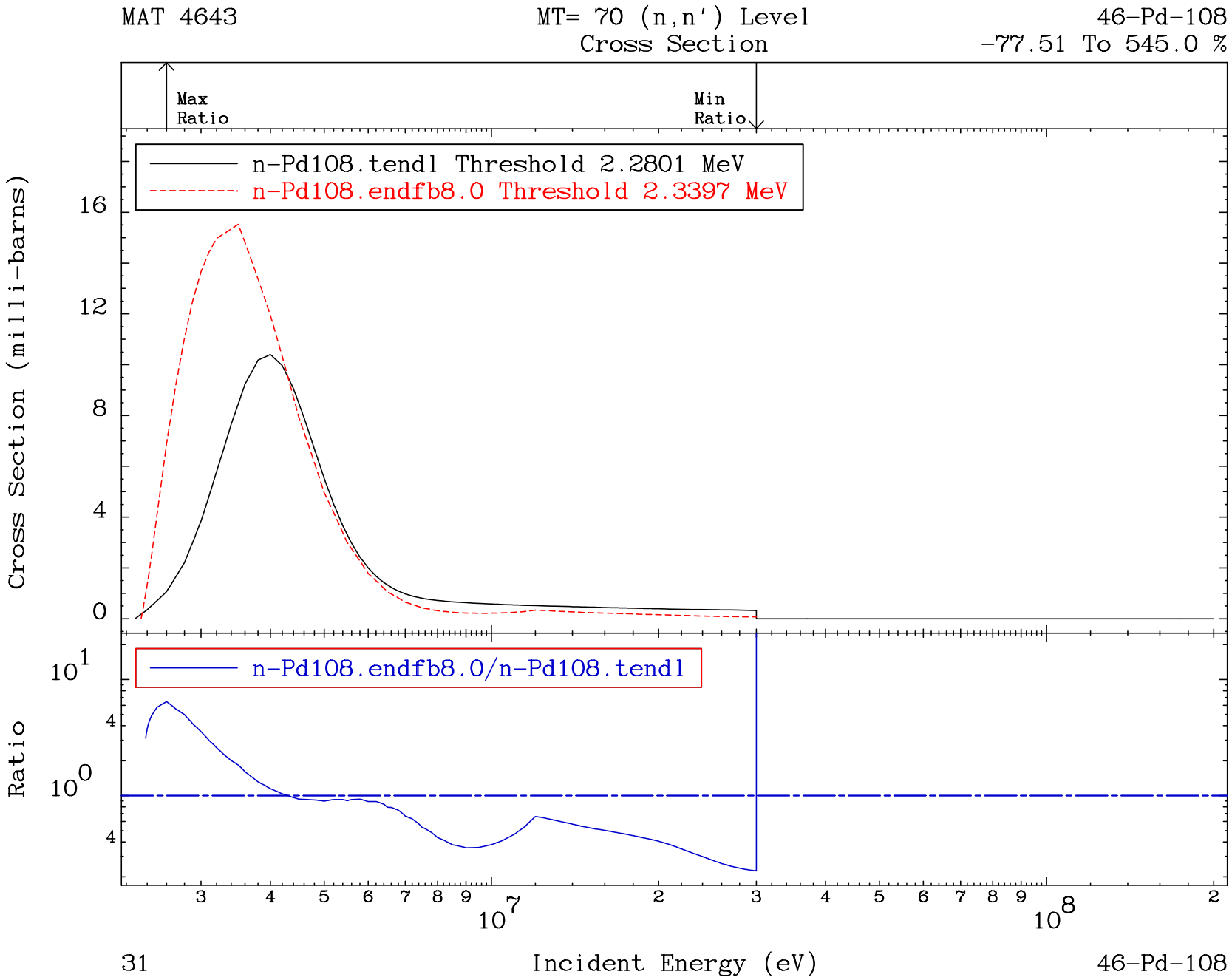

MAT 4643
MT= 65 (n,n') Level
Cross Section
46-Pd-108
-35.90 To 9999. %
Min
Ratio
Max
Ratio
n-Pd108.tendl Threshold 2.1030 MeV
n-Pd108.endfb8.0 Threshold 2.1183 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
46-Pd-108

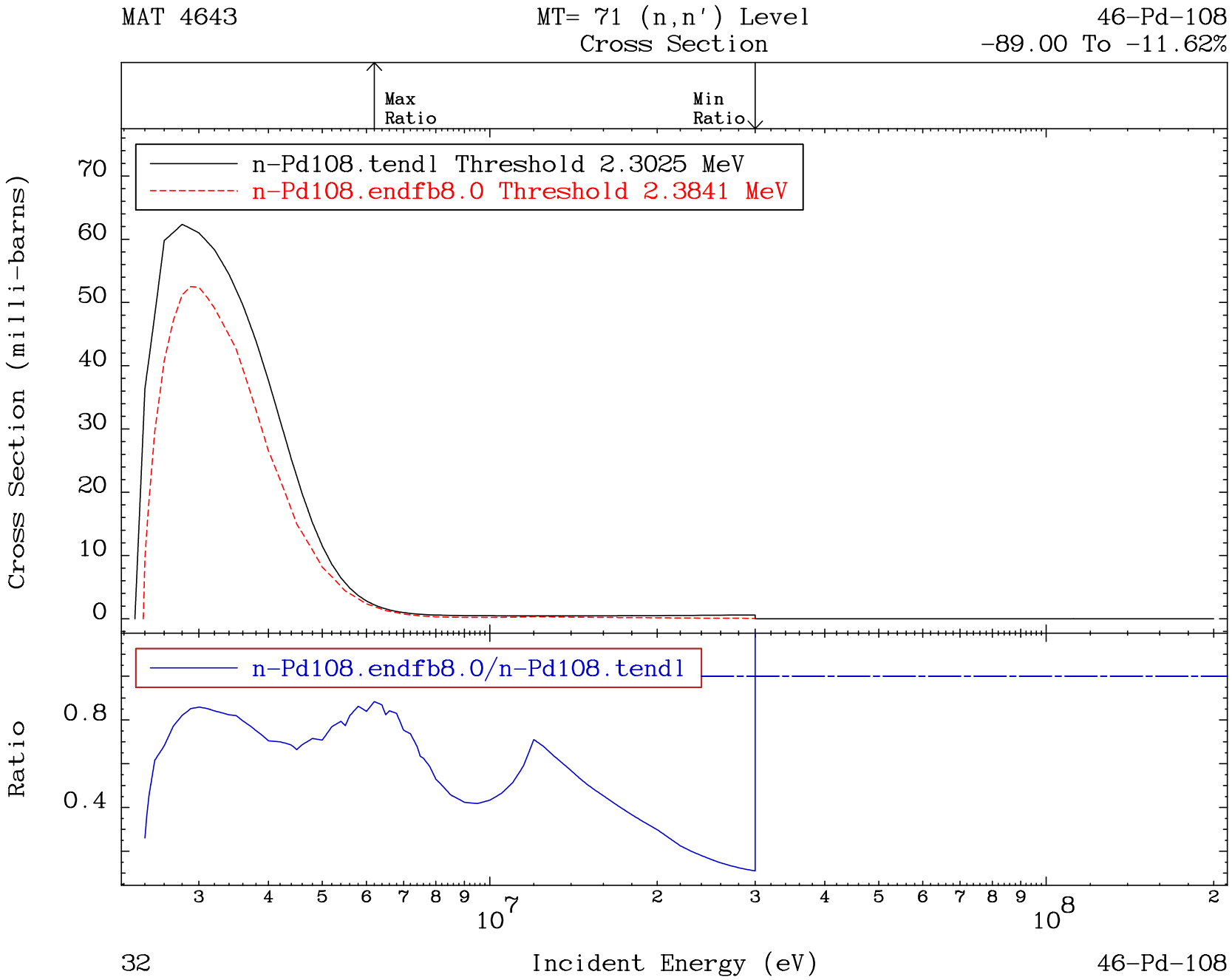

MAT 4643
MT= 66 (n,n') Level
Cross Section
46-Pd-108
-81.71 To 9999. %
Min
Ratio
Max
Ratio
n-Pd108.tendl Threshold 2.1183 MeV
n-Pd108.endfb8.0 Threshold 2.1610 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
46-Pd-108

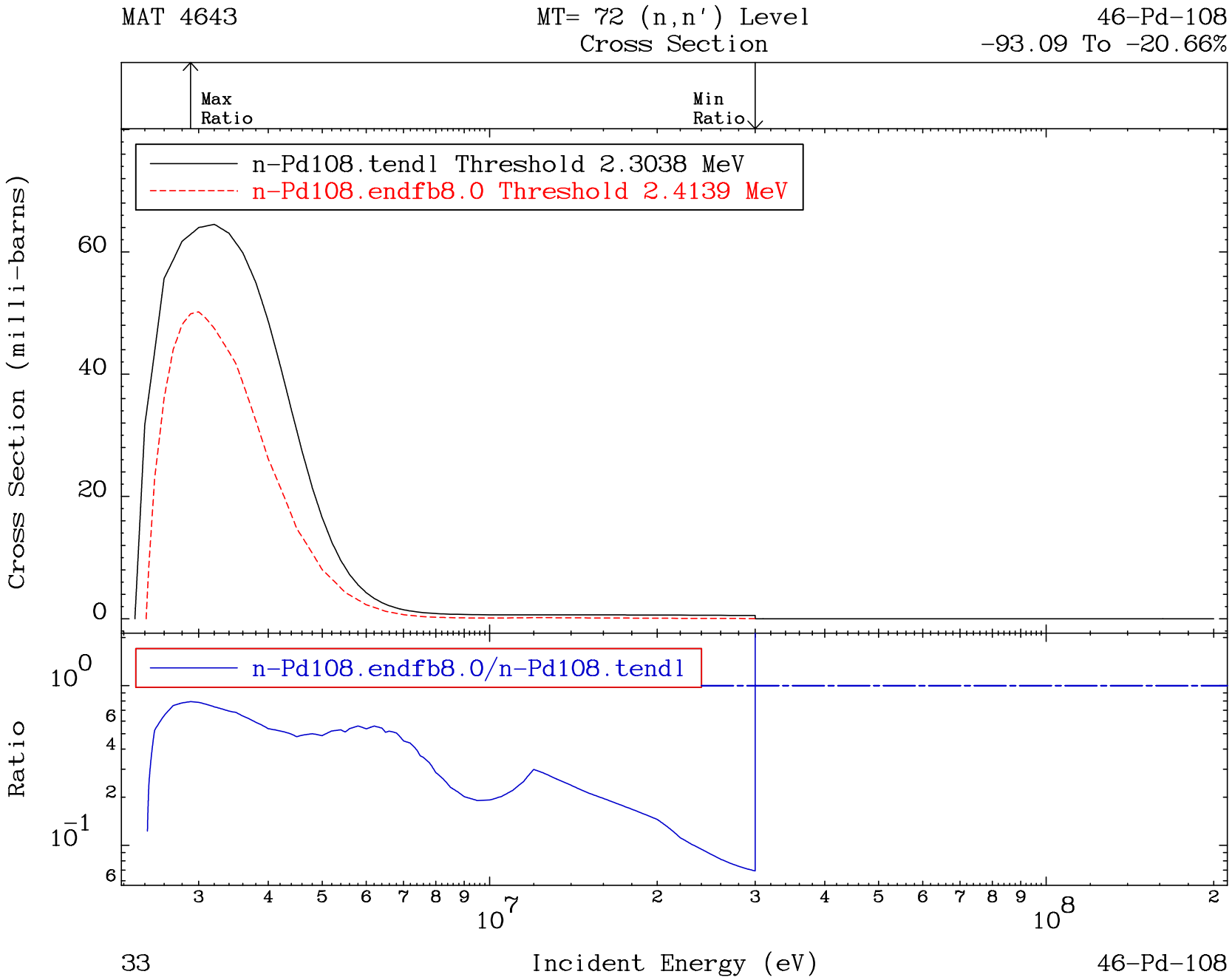

MAT 4643
MT= 67 (n,n') Level
Cross Section
46-Pd-108
16.23 To 9999. %
Min Ratio
Max Ratio
n-Pd108.tendl Threshold 2.1610 MeV
n-Pd108.endfb8.0 Threshold 2.2387 MeV
Cross Section (milli-barns)
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
46-Pd-108

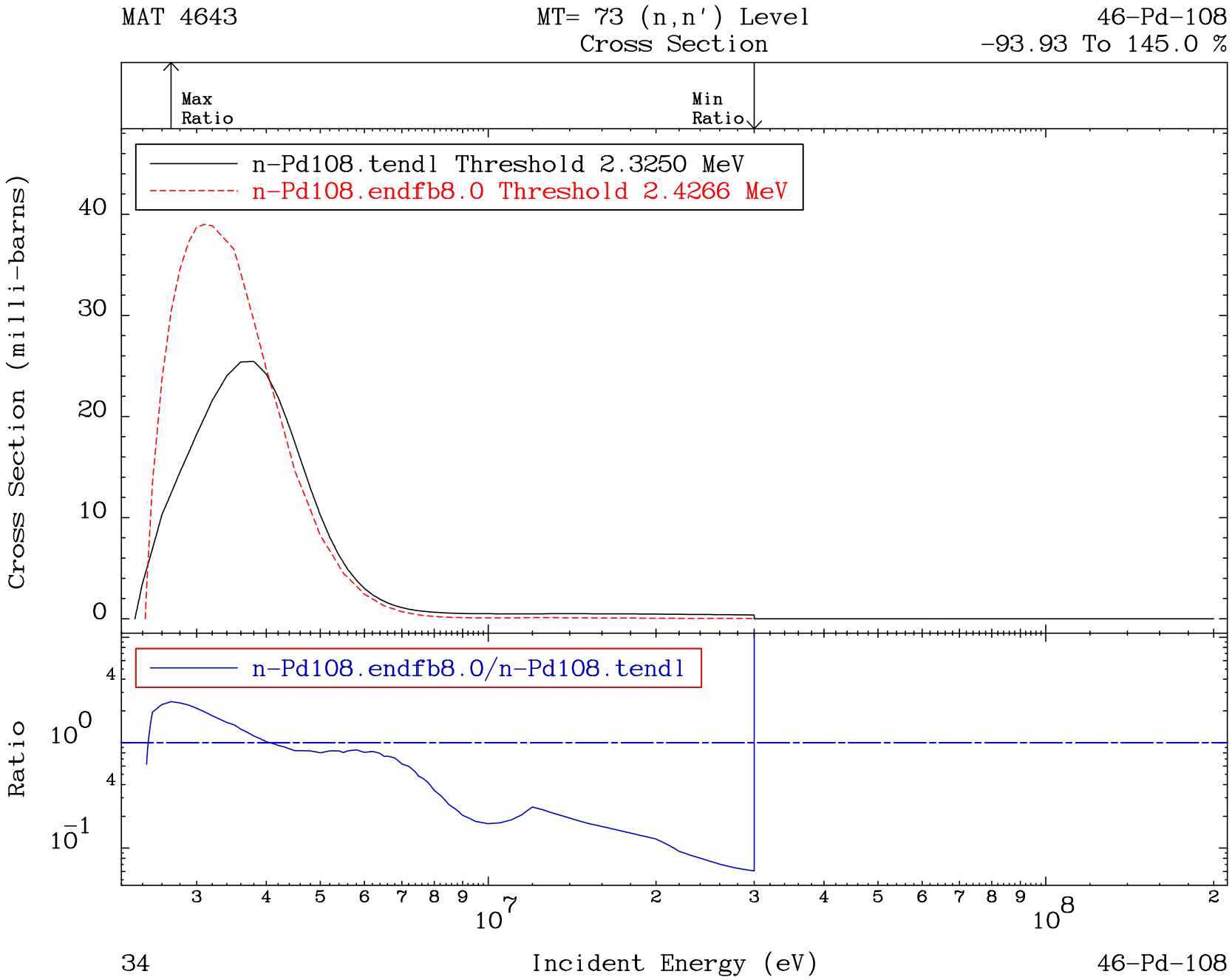

MAT 4643
MT= 68 (n,n') Level
Cross Section
46-Pd-108
-98.37 To -42.59%
Max
Ratio
n-Pd108.tendl Threshold 2.2387 MeV
n-Pd108.endfb8.0 Threshold 2.3025 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
10^-1
4
4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
46-Pd-108

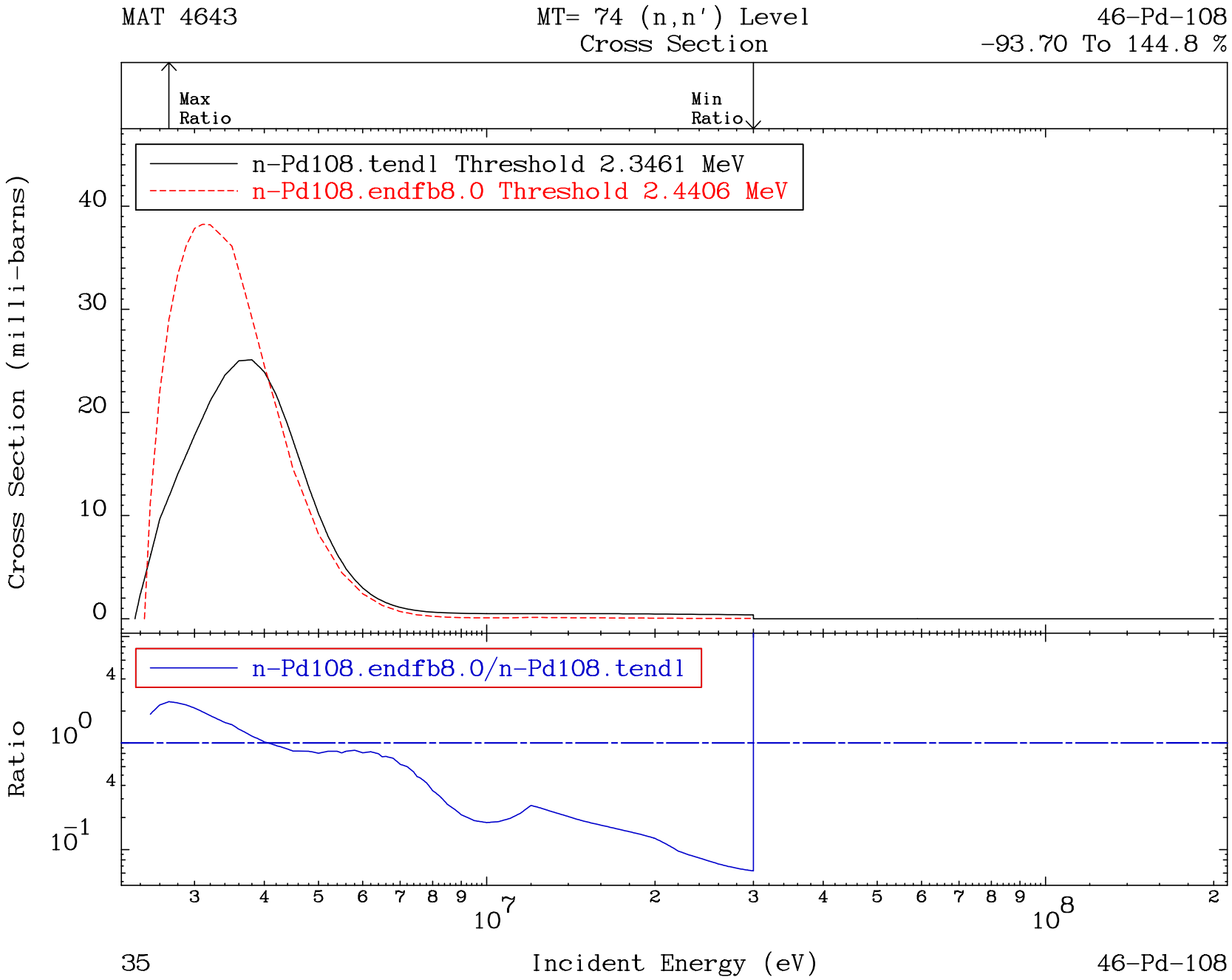

MAT 4643
MT= 69 (n,n') Level
Cross Section
46-Pd-108
-93.47 To -30.26%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 2.2520 MeV
n-Pd108.endfb8.0 Threshold 2.3038 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
6
4
2
10^-1
6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
46-Pd-108

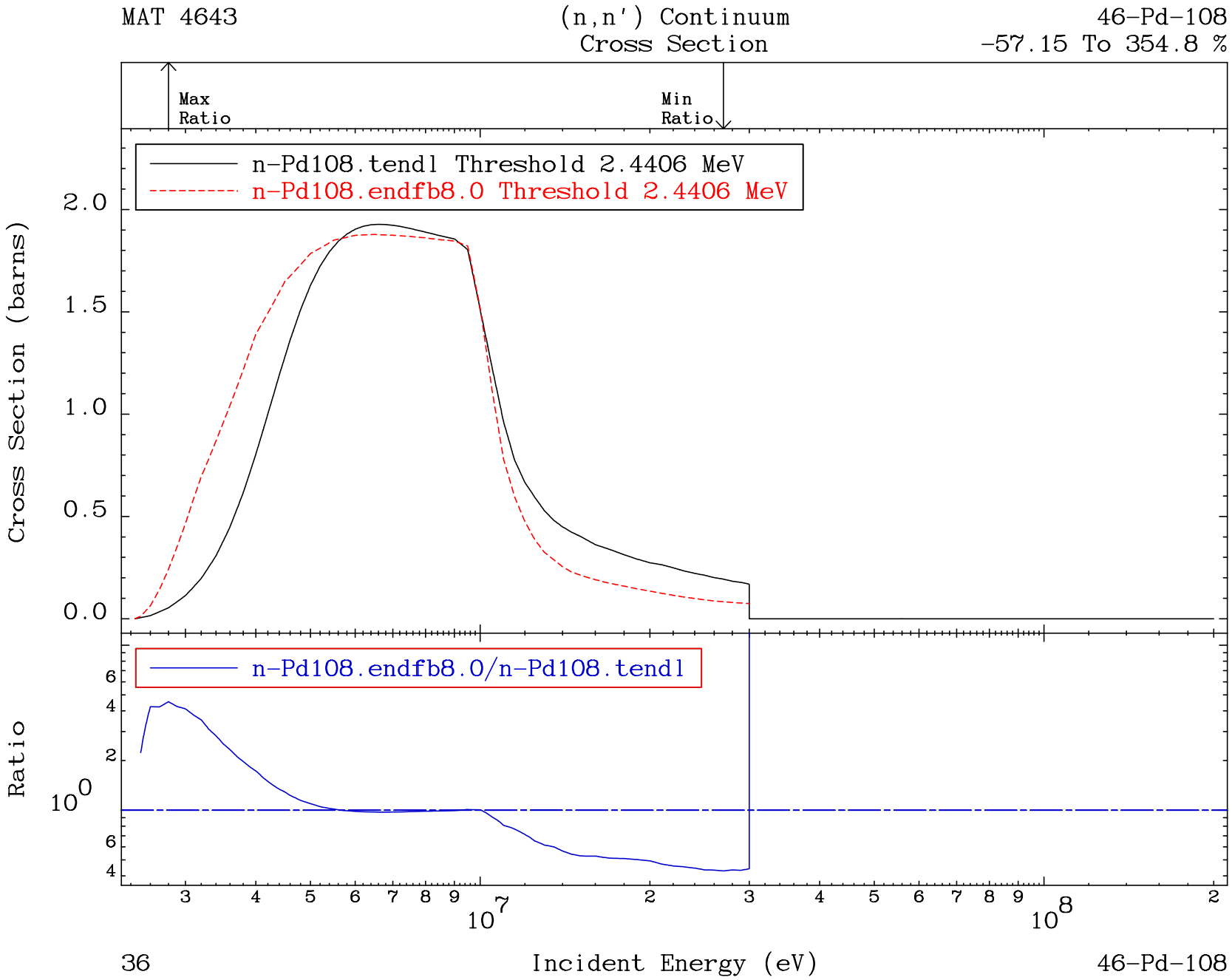

MAT 4643
MT= 70 (n,n') Level
Cross Section
46-Pd-108
-77.51 To 545.0 %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 2.2801 MeV
n-Pd108.endfb8.0 Threshold 2.3397 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^1
10^0
4
4
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
46-Pd-108

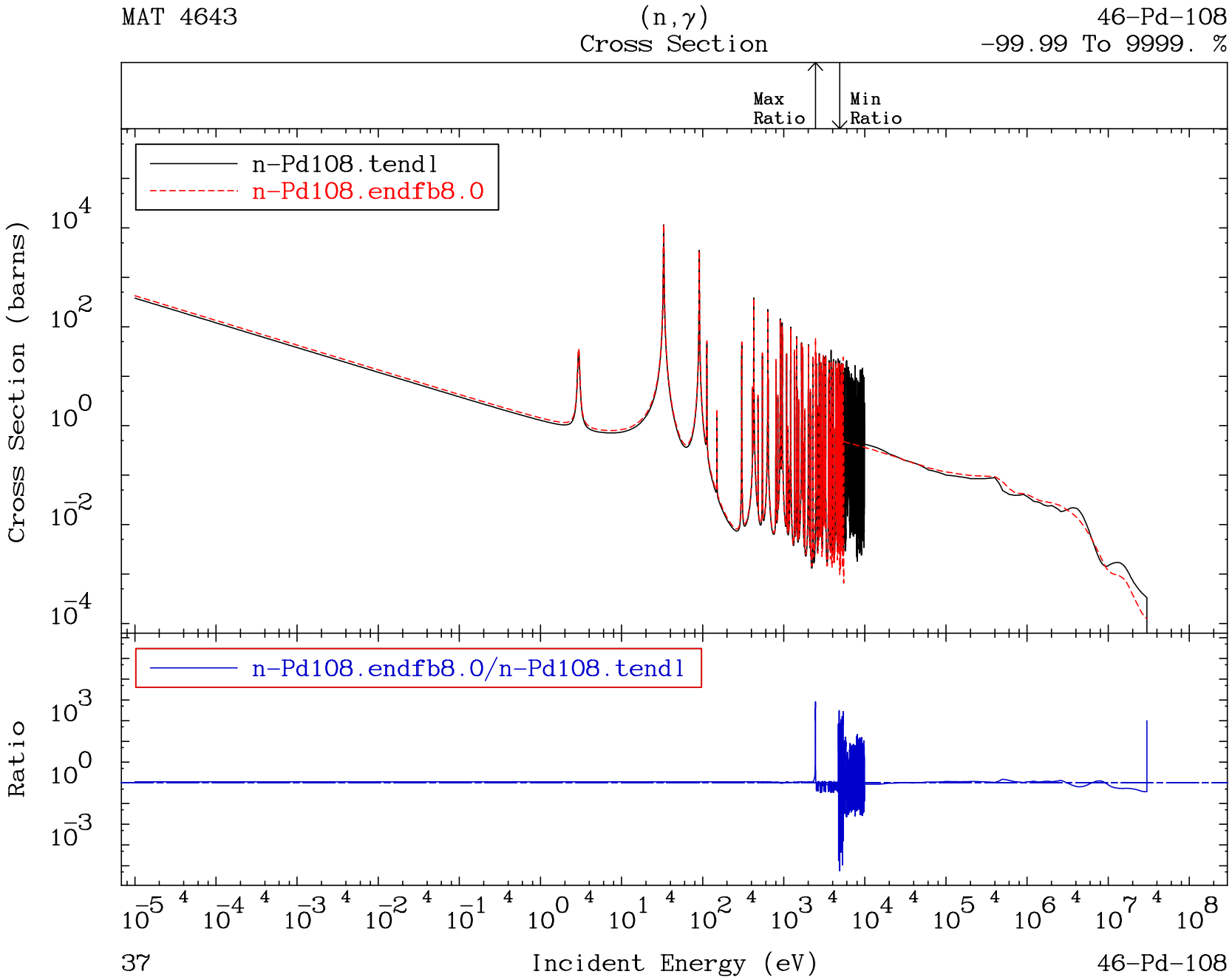

MAT 4643
MT= 71 (n,n') Level
Cross Section
46-Pd-108
-89.00 To -11.62%
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 2.3025 MeV
n-Pd108.endfb8.0 Threshold 2.3841 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
0.8
0.4
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
46-Pd-108

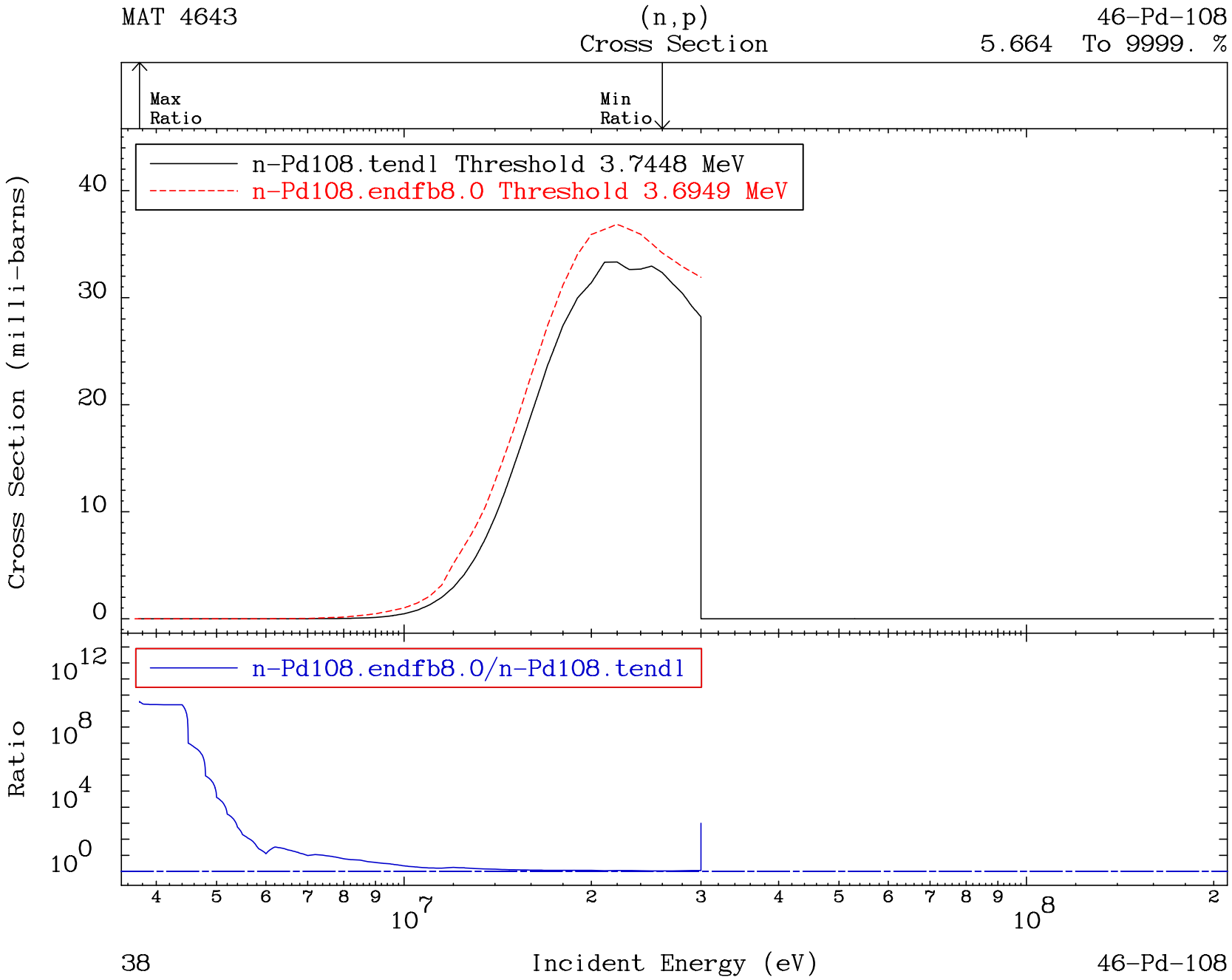

MAT 4643
MT= 72 (n,n') Level
Cross Section
46-Pd-108
-93.09 To -20.66%
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 2.3038 MeV
n-Pd108.endfb8.0 Threshold 2.4139 MeV
Cross Section (milli-barns)
60
40
20
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
10^-1
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
46-Pd-108

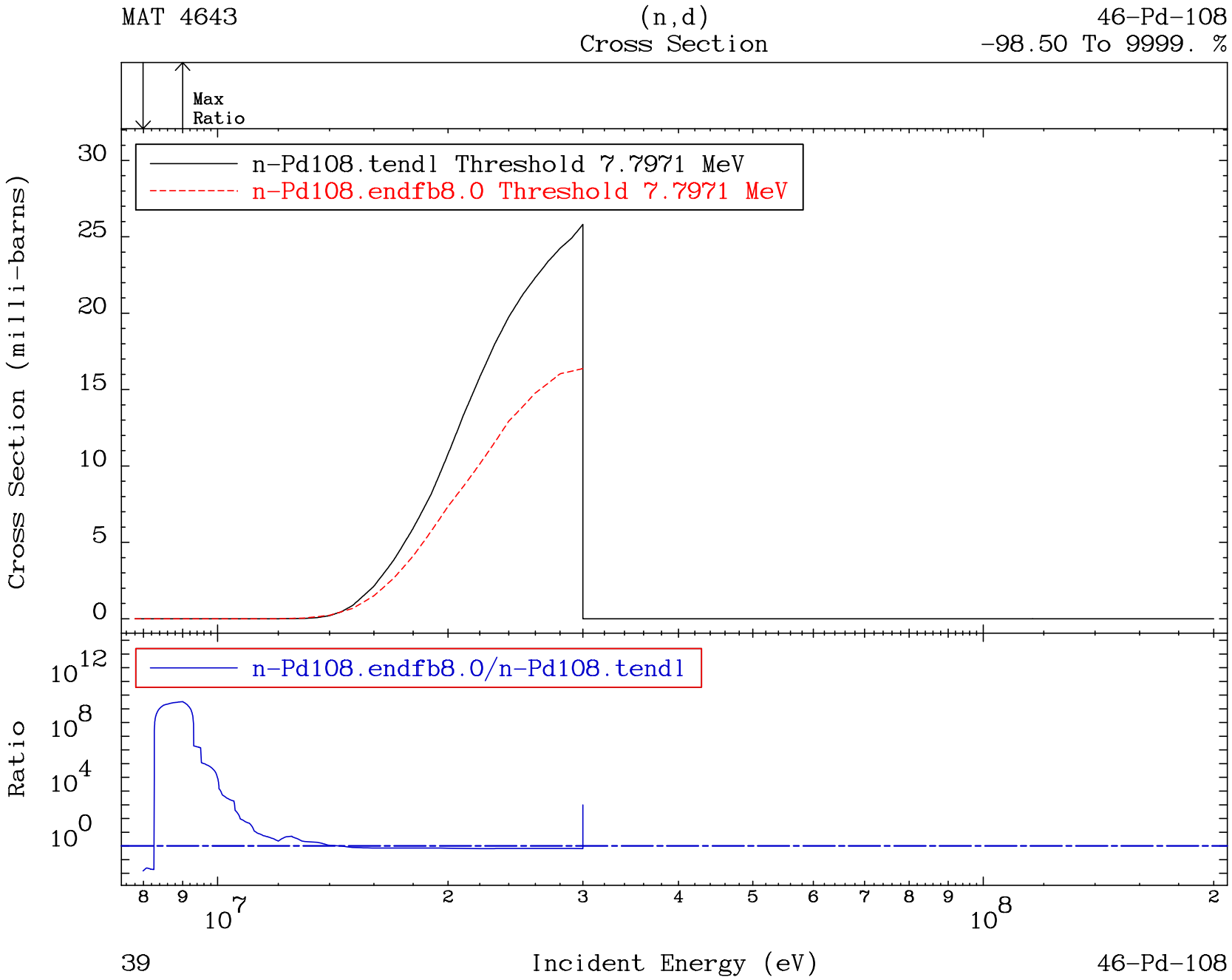

MAT 4643
MT= 73 (n,n') Level
Cross Section
46-Pd-108
-93.93 To 145.0 %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 2.3250 MeV
n-Pd108.endfb8.0 Threshold 2.4266 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
4
10^{0}
4
10^{-1}
3 4 5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
34
Incident Energy (eV)
46-Pd-108

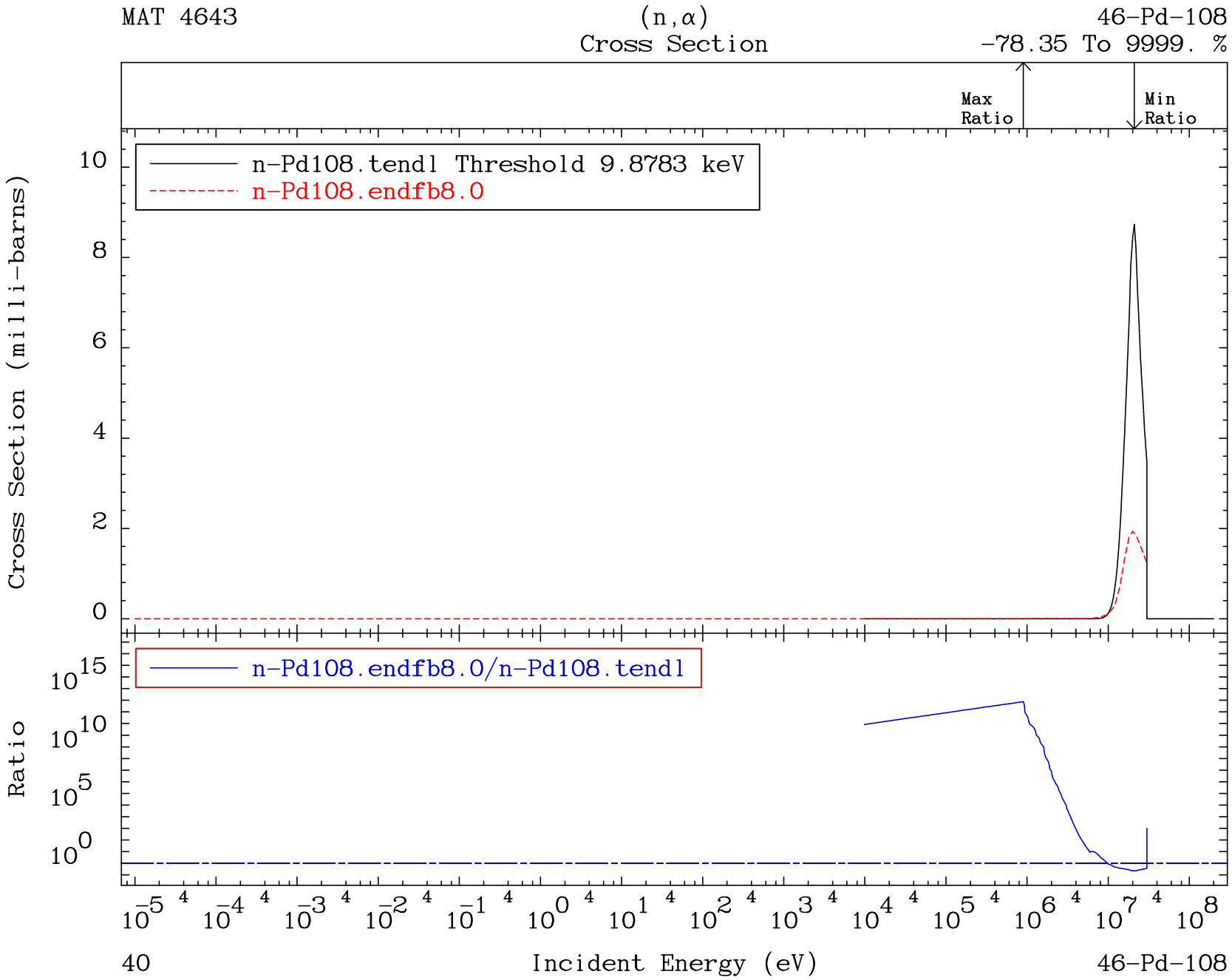

MAT 4643
MT= 74 (n,n') Level
Cross Section
46-Pd-108
-93.70 To 144.8 %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 2.3461 MeV
n-Pd108.endfb8.0 Threshold 2.4406 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
4
10^0
4
10^{-1}
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
46-Pd-108

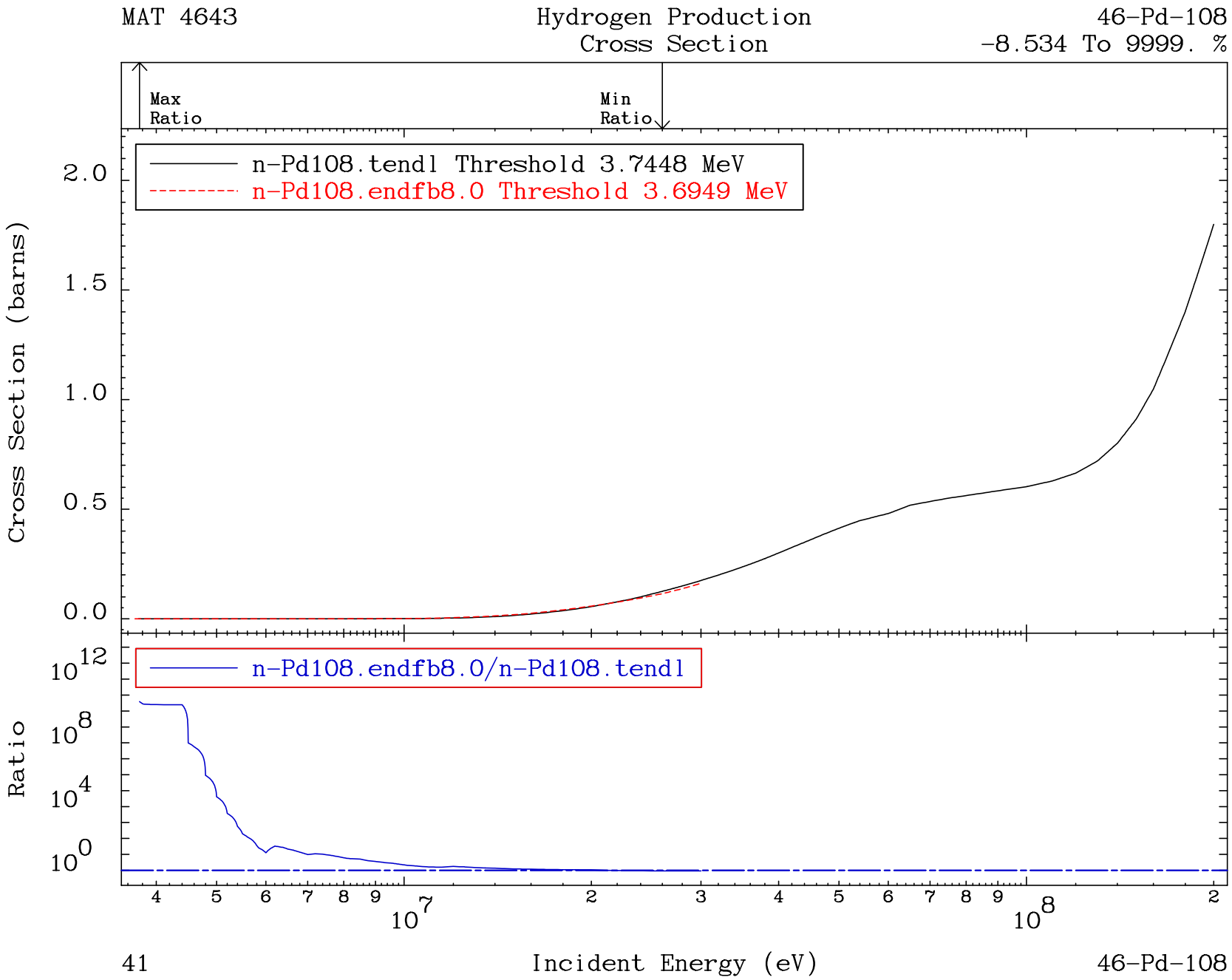

MAT 4643
(n,n') Continuum
Cross Section
46-Pd-108
-57.15 To 354.8 %
Max
Ratio
Min
Ratio
n-Pd108.tendl Threshold 2.4406 MeV
n-Pd108.endfb8.0 Threshold 2.4406 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^0
6
4
2
6
4
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
46-Pd-108

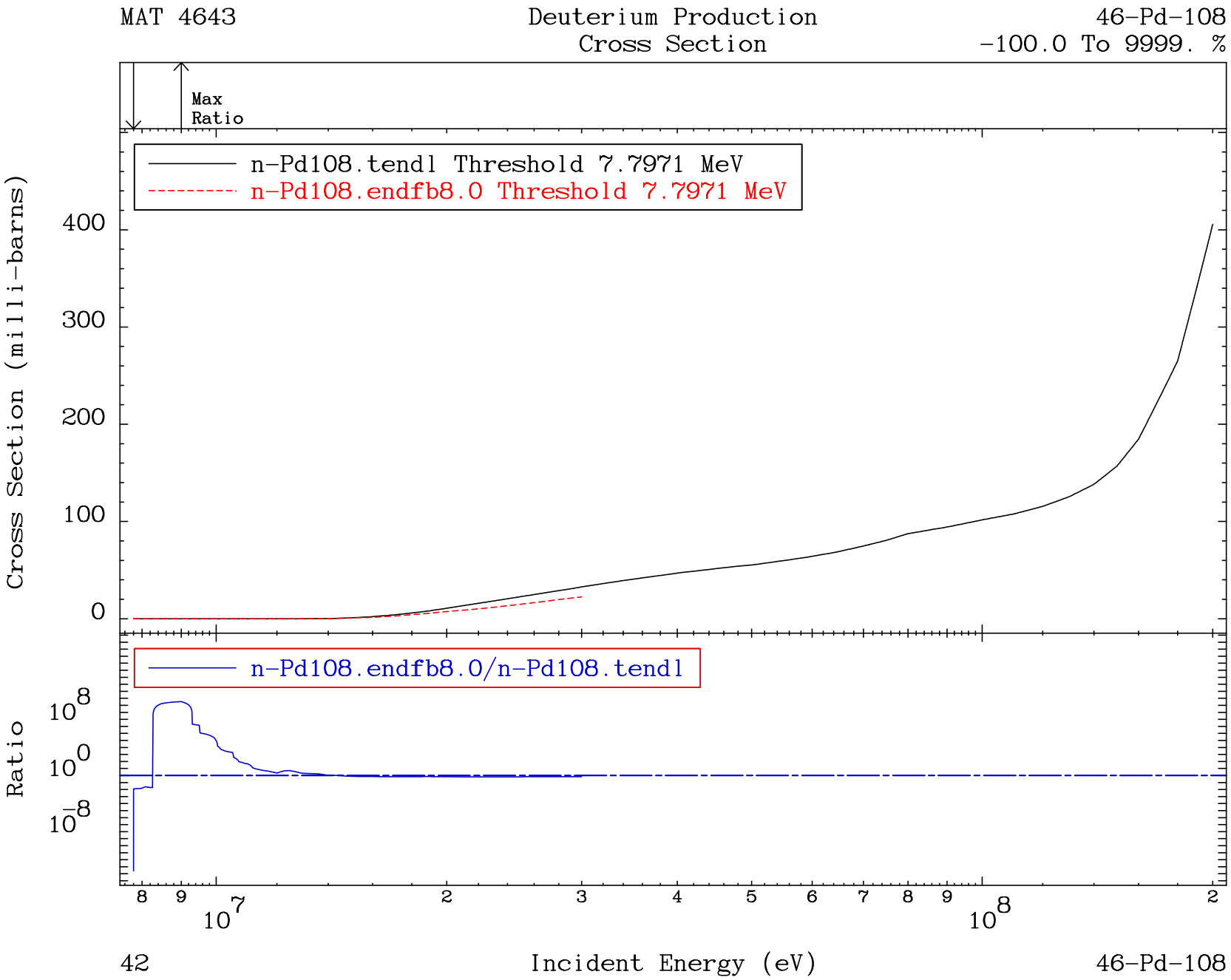

MAT 4643
(n,γ)
Cross Section
46-Pd-108
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
37
46-Pd-108

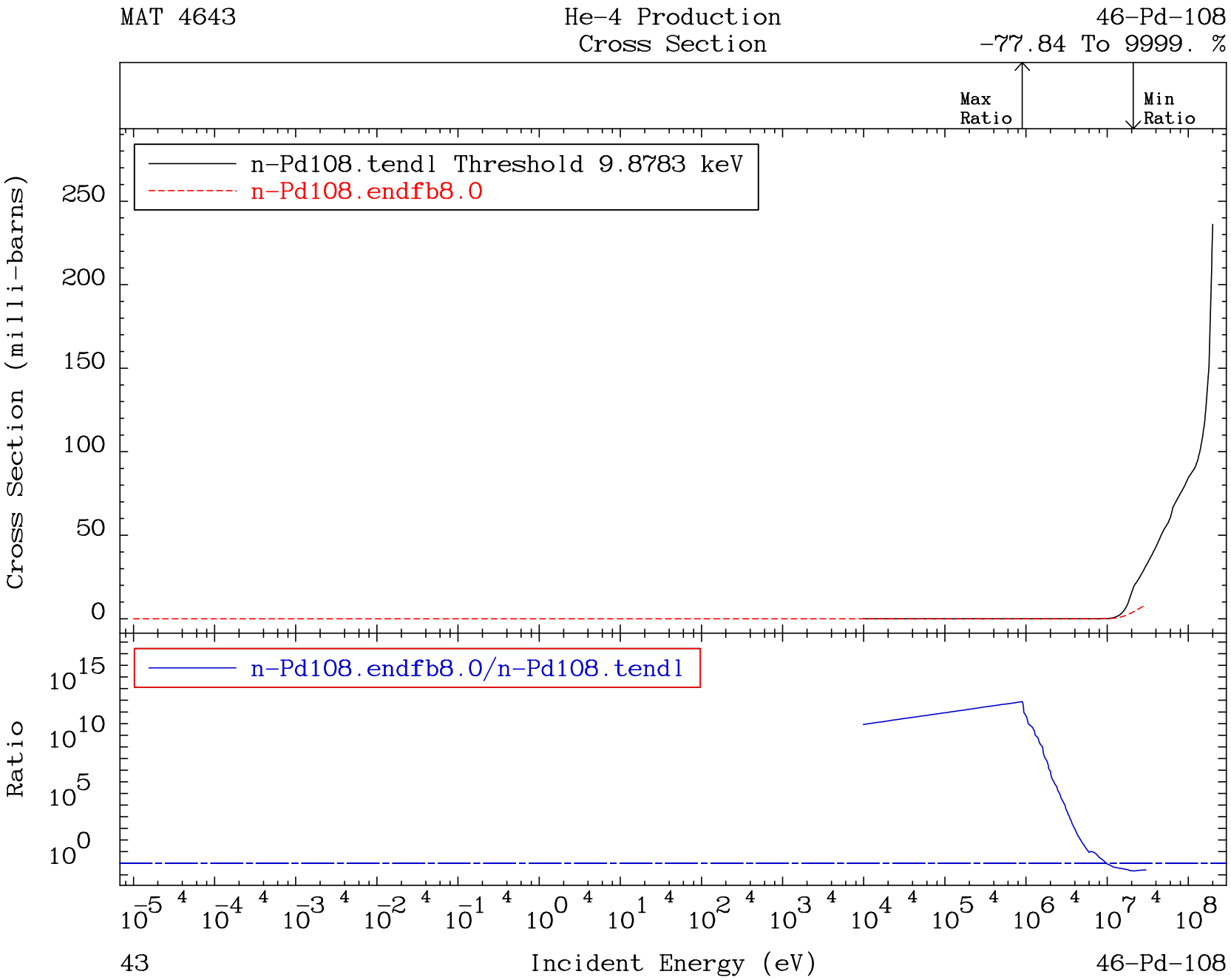

MAT 4643
(n,p)
Cross Section
46-Pd-108
5.664 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 3.7448 MeV
n-Pd108.endfb8.0 Threshold 3.6949 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^12
10^8
10^4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
46-Pd-108

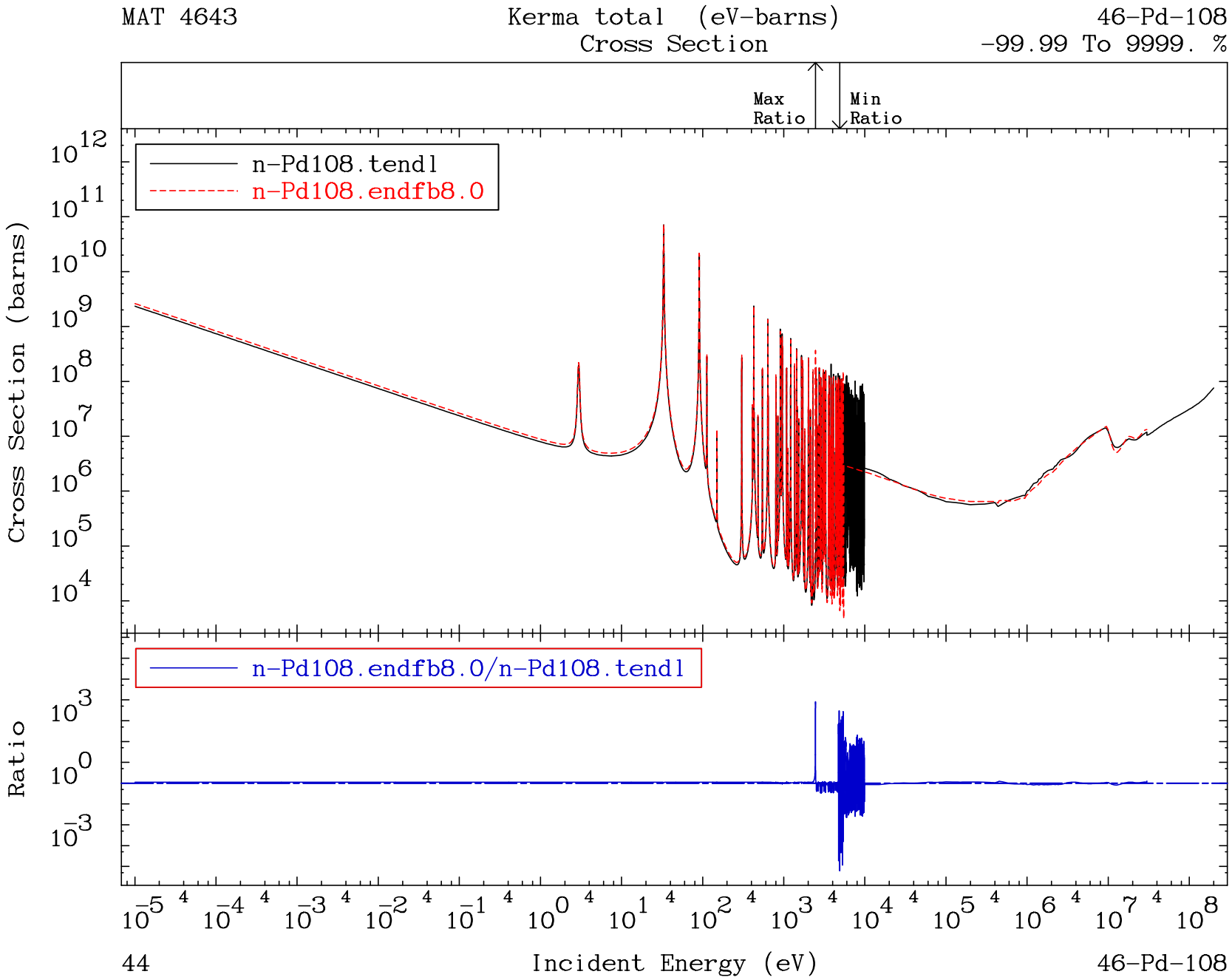

MAT 4643
(n,d)
Cross Section
46-Pd-108
-98.50 To 9999. %
Max
Ratio
n-Pd108.tendl Threshold 7.7971 MeV
n-Pd108.endfb8.0 Threshold 7.7971 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^12
10^8
10^4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
46-Pd-108

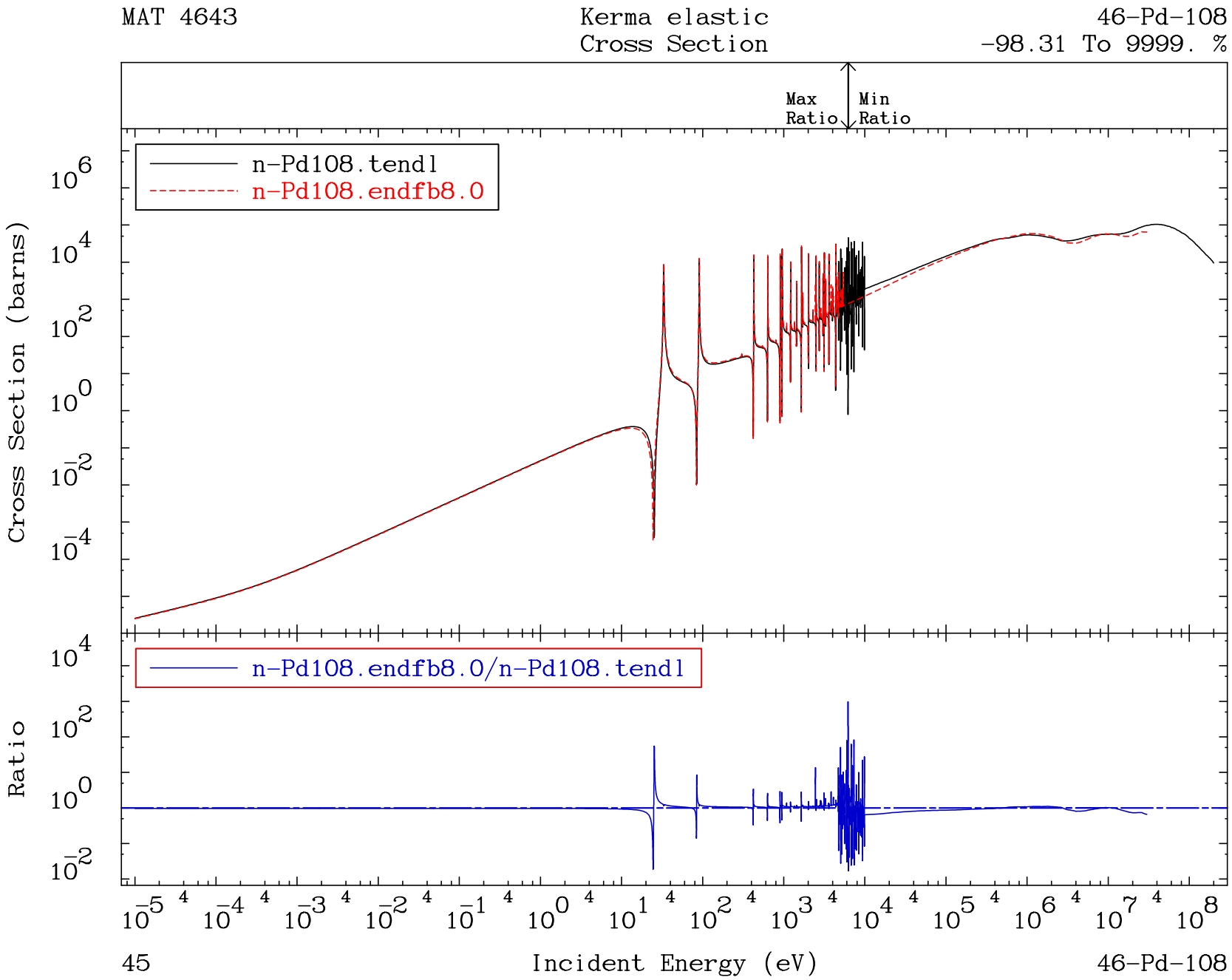

MAT 4643
(n,α)
Cross Section
46-Pd-108
-78.35 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 9.8783 keV
n-Pd108.endfb8.0
n-Pd108.endfb8.0/n-Pd108.tendl
Cross Section (milli-barns)
Ratio
Incident Energy (eV)
40
46-Pd-108

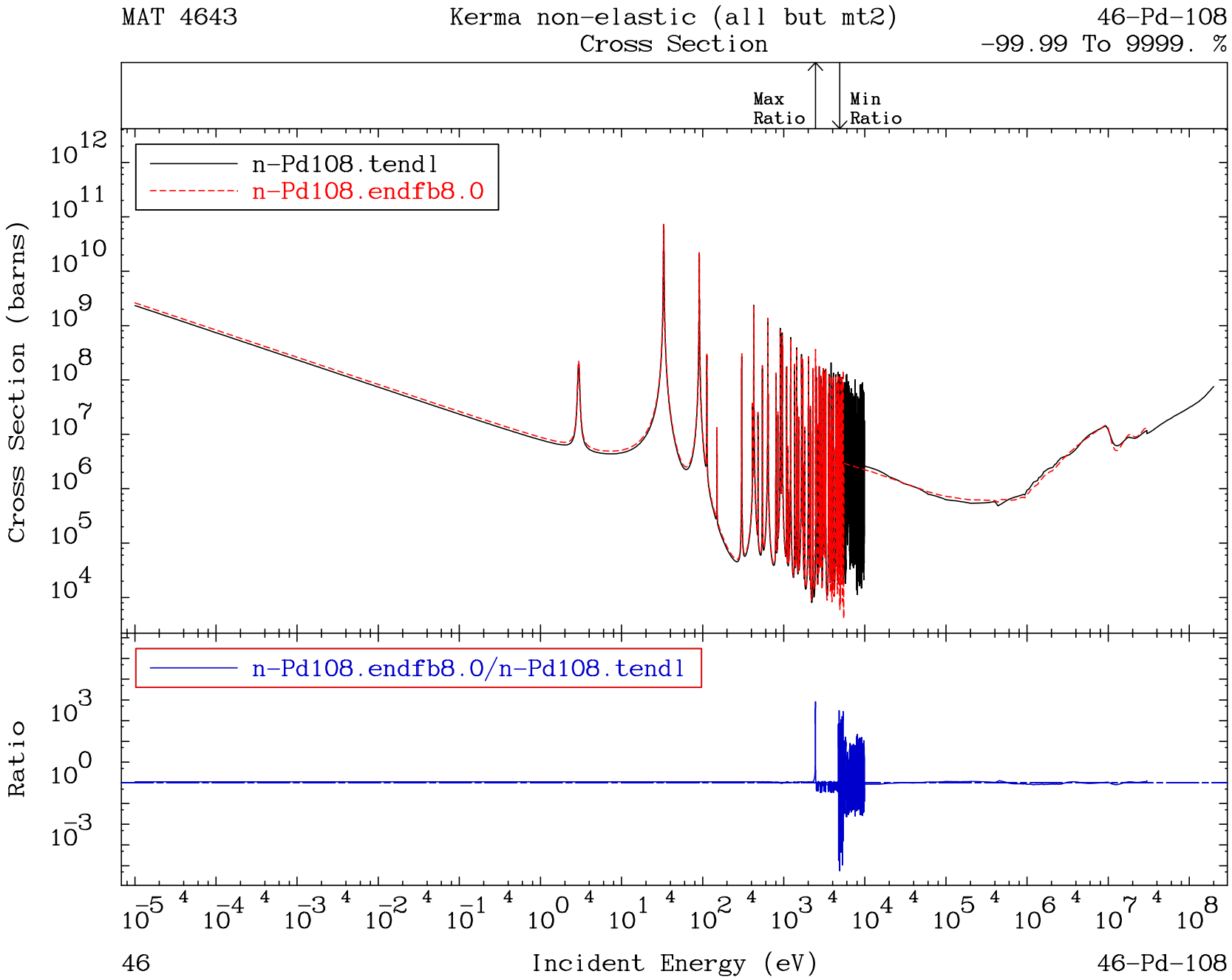

MAT 4643
Hydrogen Production
Cross Section
46-Pd-108
-8.534 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 3.7448 MeV
n-Pd108.endfb8.0 Threshold 3.6949 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^12
10^8
10^4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
46-Pd-108

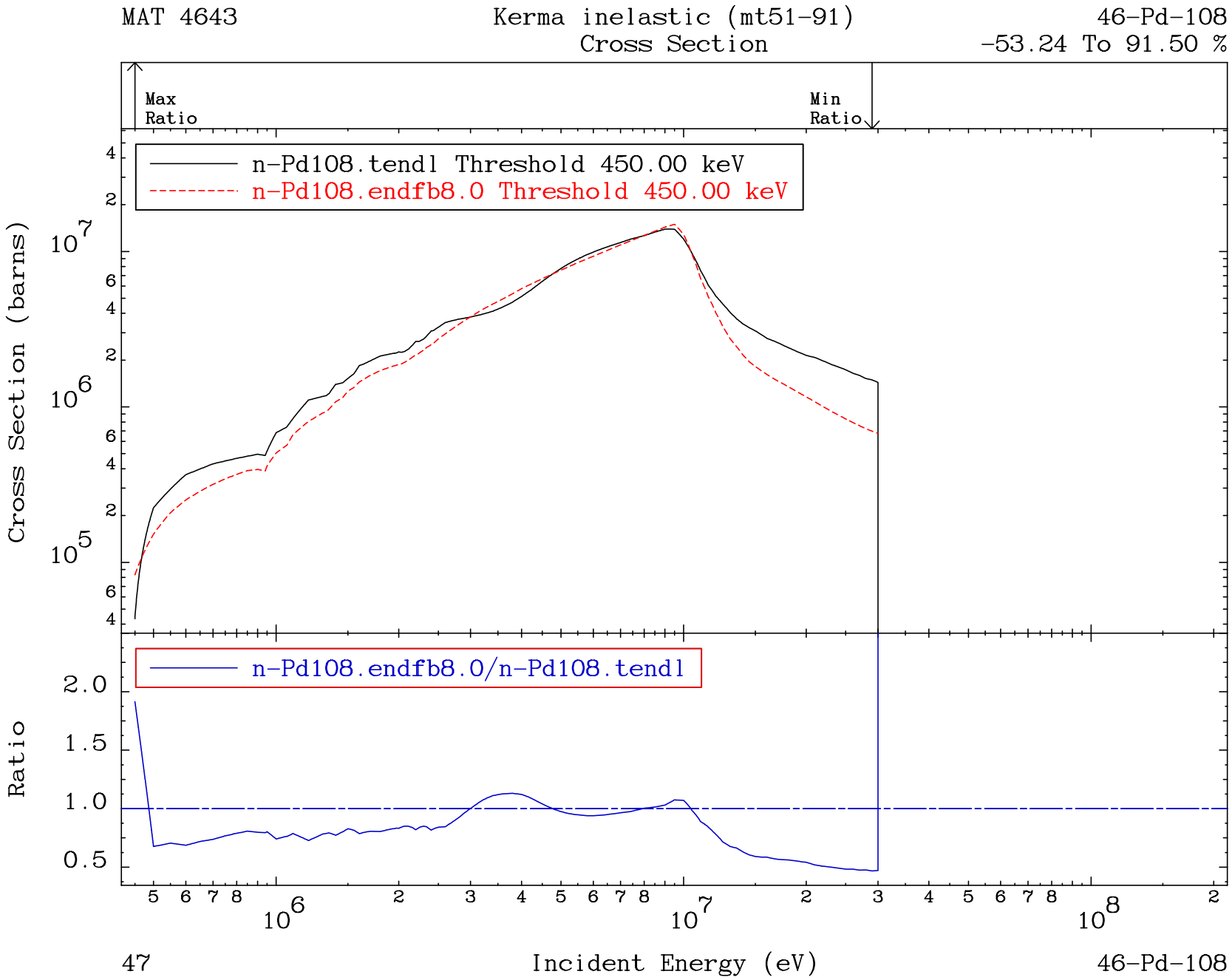

MAT 4643
Deuterium Production
Cross Section
46-Pd-108
-100.0 To 9999. %
Max
Ratio
n-Pd108.tendl Threshold 7.7971 MeV
n-Pd108.endfb8.0 Threshold 7.7971 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^8
10^0
10^-8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
46-Pd-108

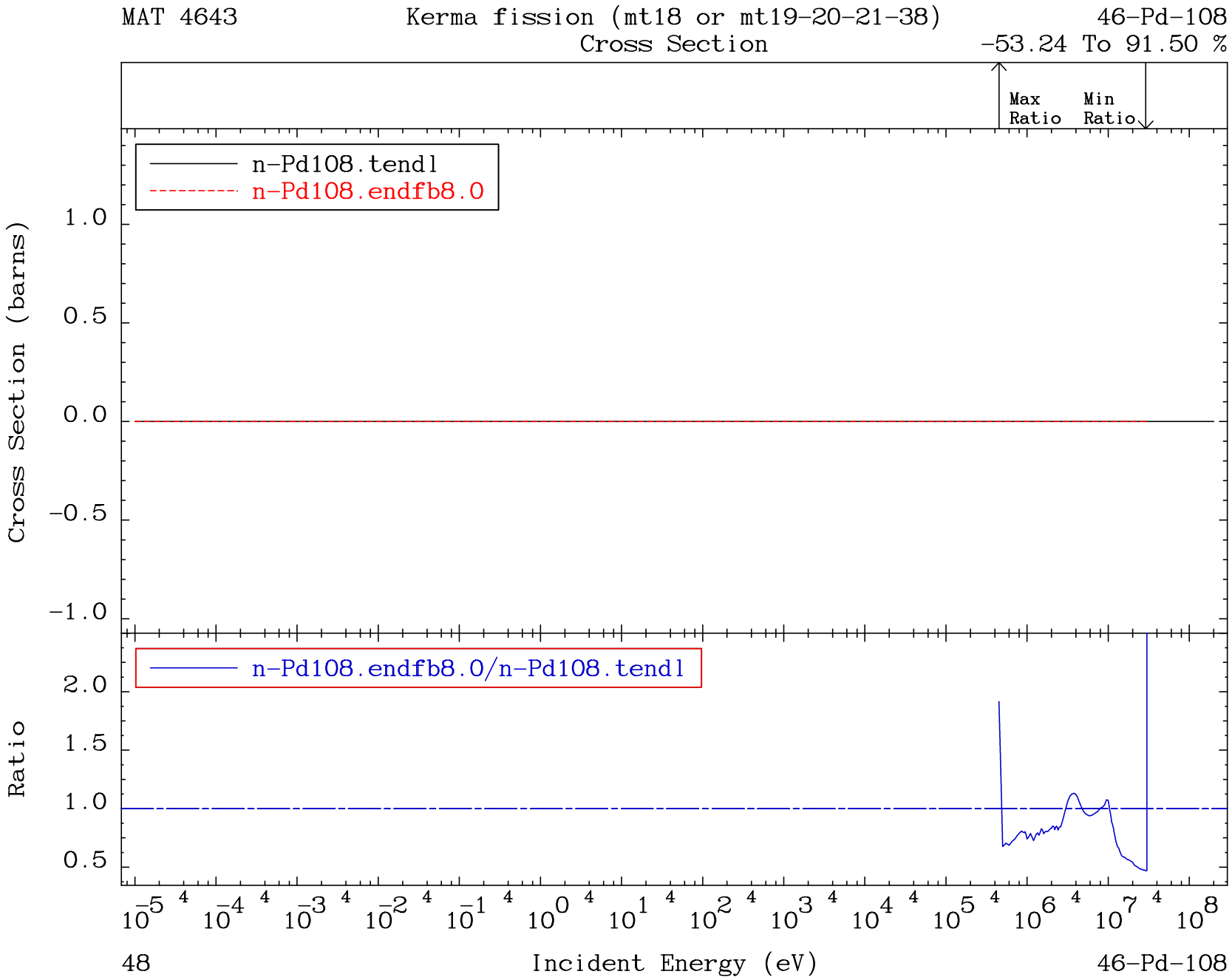

MAT 4643
He-4 Production
Cross Section
46-Pd-108
-77.84 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 9.8783 keV
n-Pd108.endfb8.0
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
10^15
10^10
10^5
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
46-Pd-108

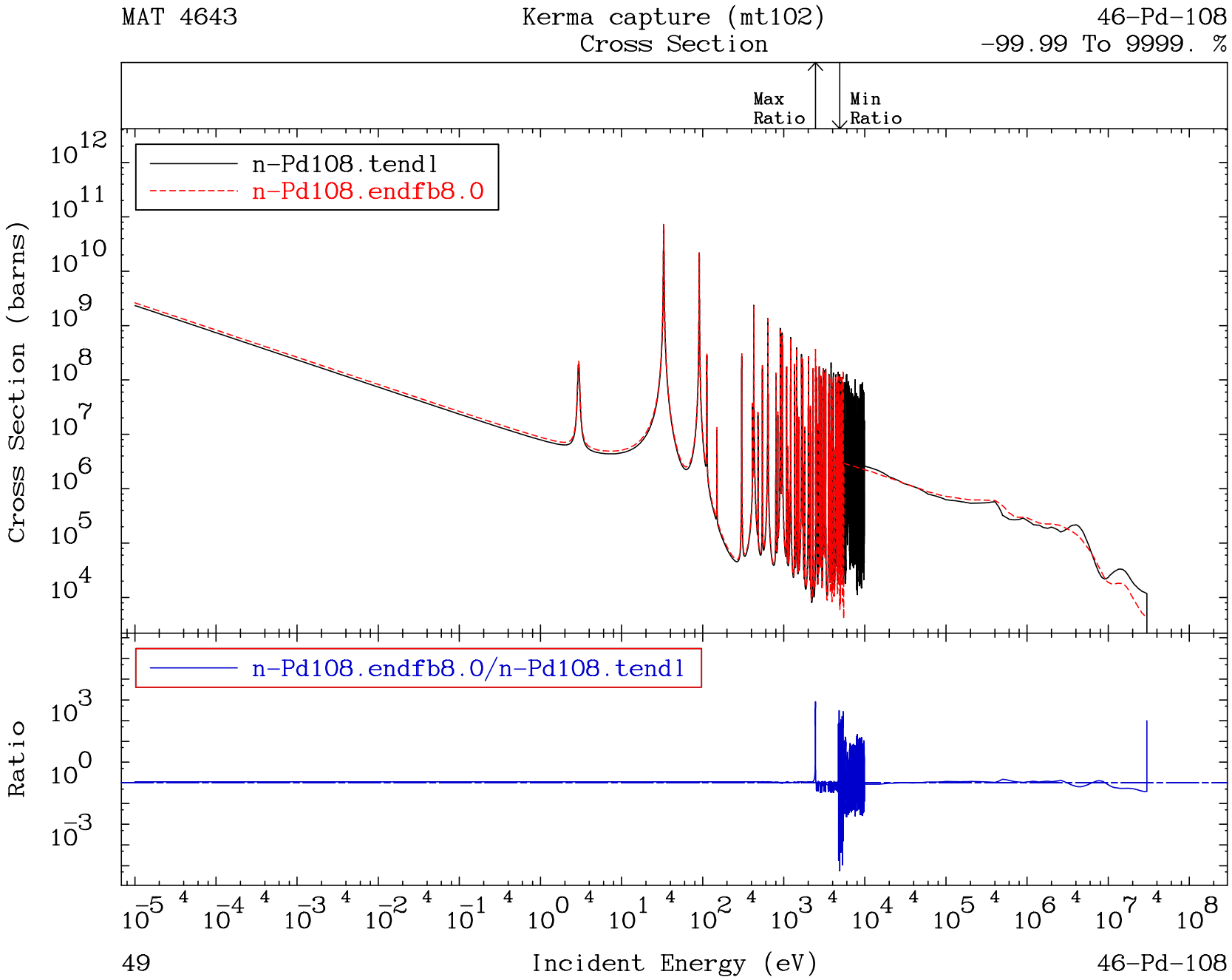

MAT 4643
Kerma total (eV-barns)
Cross Section
46-Pd-108
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
44
46-Pd-108

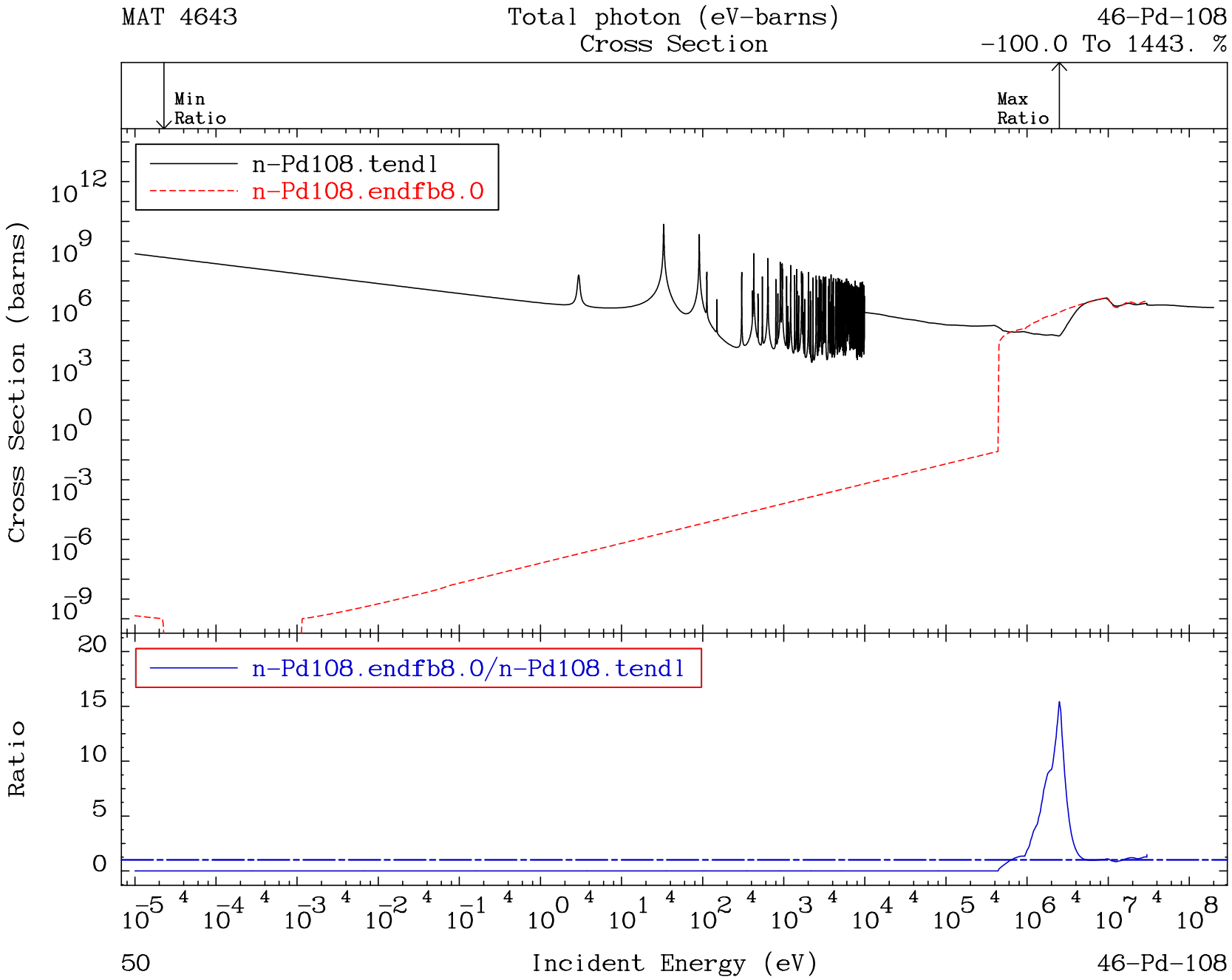

MAT 4643
Kerma elastic
Cross Section
46-Pd-108
-98.31 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
45
46-Pd-108

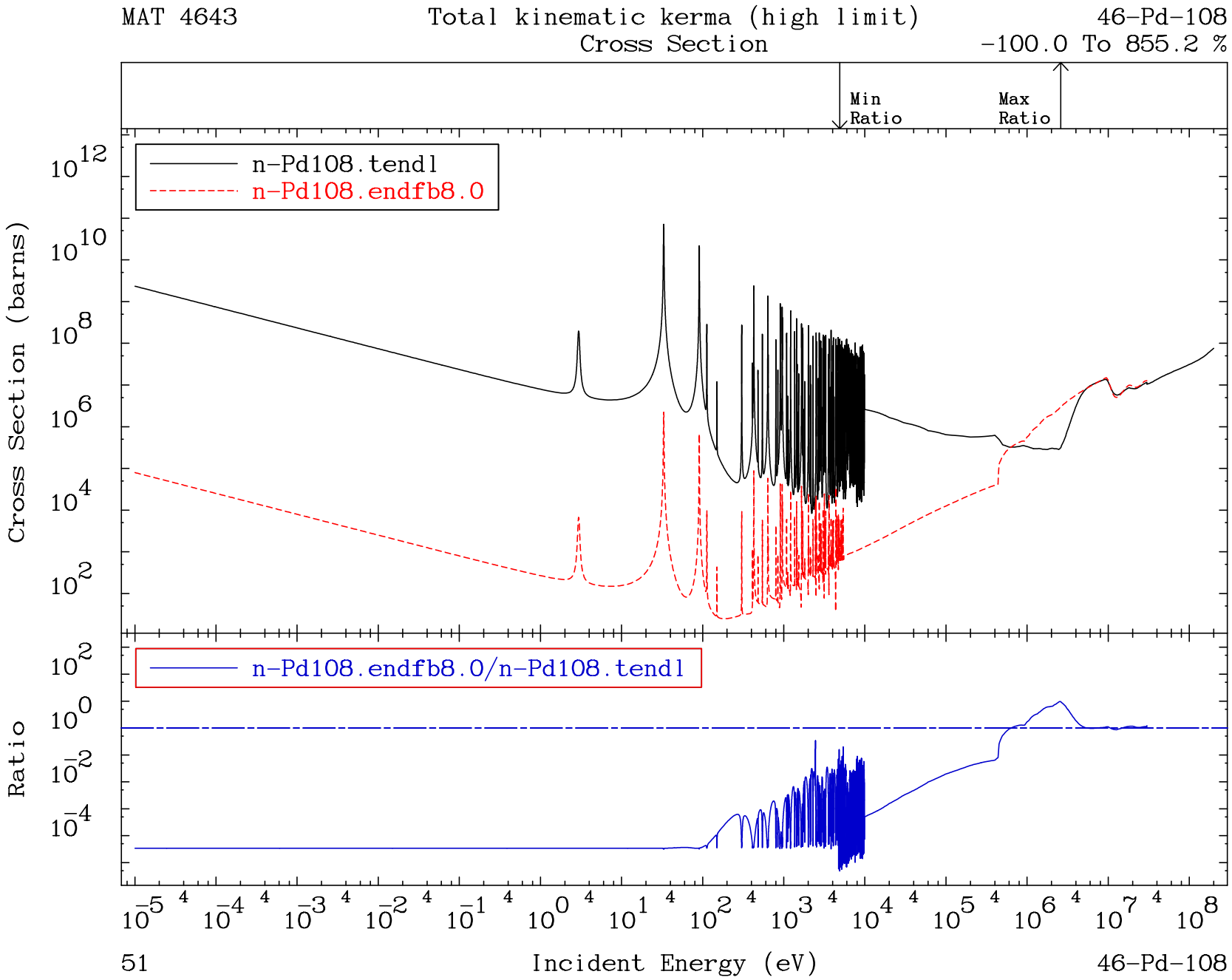

MAT 4643
Kerma non-elastic (all but mt2)
Cross Section
46-Pd-108
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
46
46-Pd-108

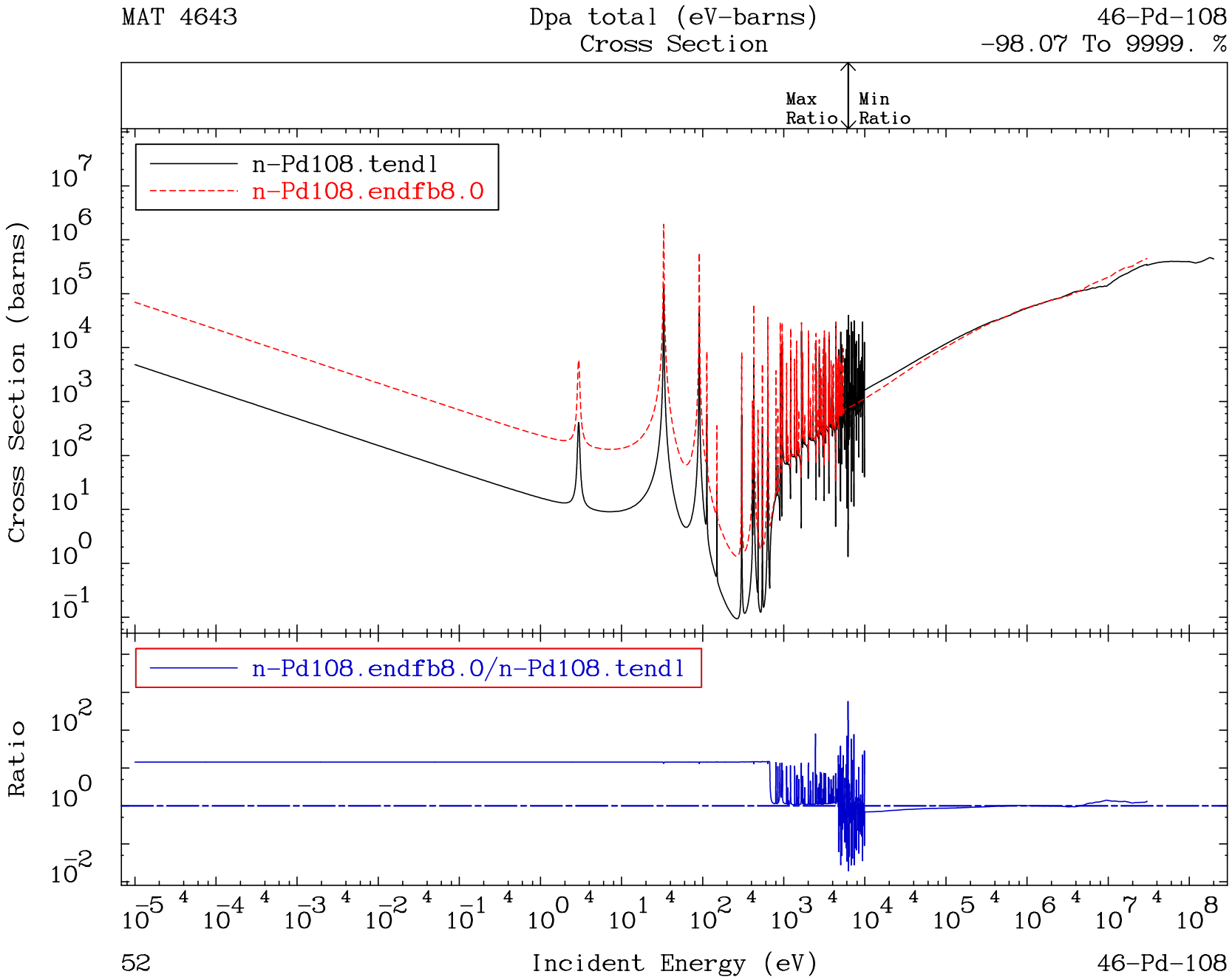

MAT 4643
Kerma inelastic (mt51-91)
Cross Section
46-Pd-108
-53.24 To 91.50 %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 450.00 keV
n-Pd108.endfb8.0 Threshold 450.00 keV
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
47
46-Pd-108

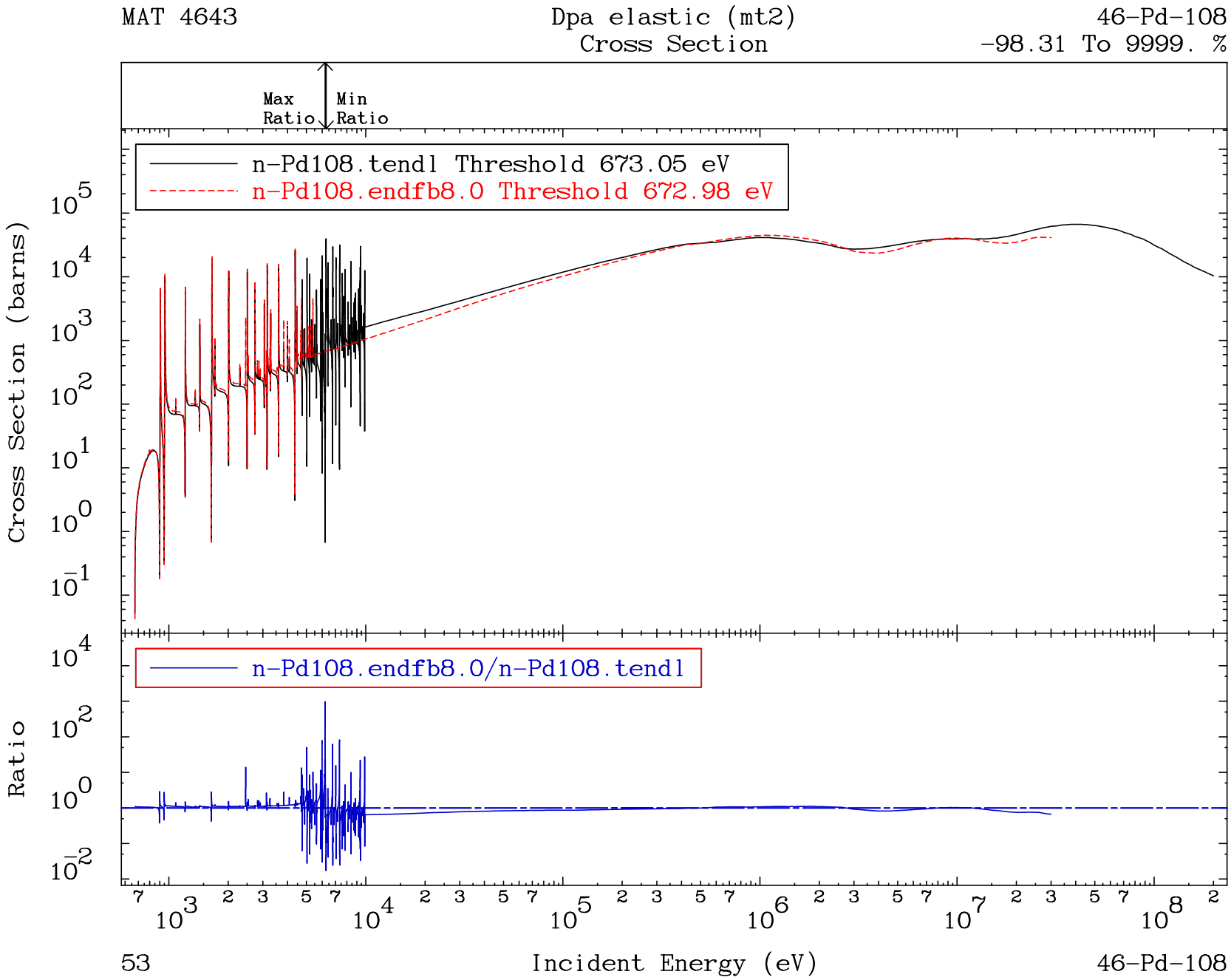

MAT 4643
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
46-Pd-108
-53.24 To 91.50 %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
2.0
1.5
1.0
0.5
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
46-Pd-108

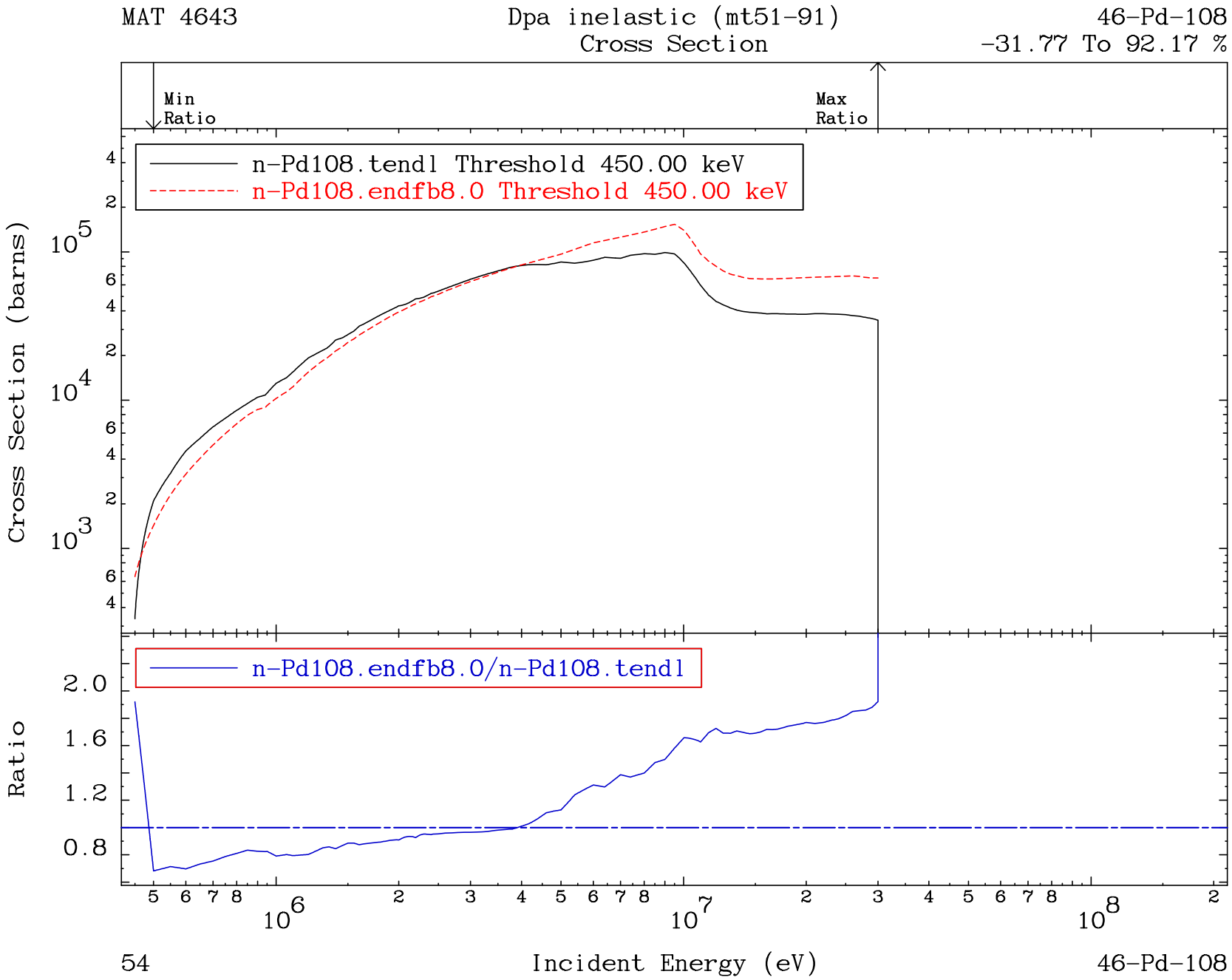

MAT 4643
Kerma capture (mt102)
Cross Section
46-Pd-108
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
49
Incident Energy (eV)
46-Pd-108

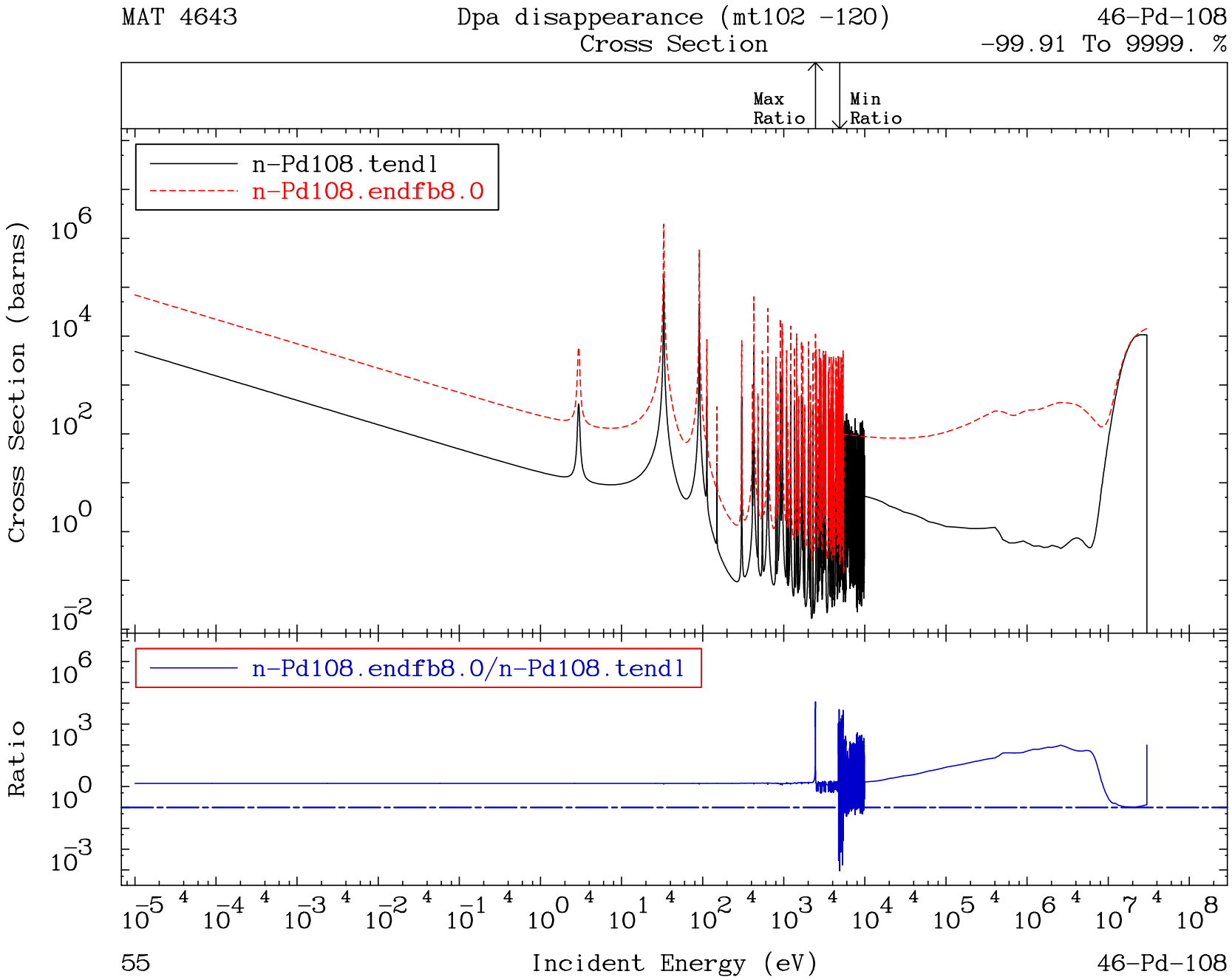

MAT 4643
Total photon (eV-barns)
Cross Section
46-Pd-108
-100.0 To 1443. %
Min Ratio
Max Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
50
46-Pd-108


MAT 4643
Total kinematic kerma (high limit)
Cross Section
46-Pd-108
-100.0 To 855.2 %
Min Ratio
Max Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
51
46-Pd-108


MAT 4643
Dpa total (eV-barns)
Cross Section
46-Pd-108
-98.07 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
52
46-Pd-108


MAT 4643
Dpa elastic (mt2)
Cross Section
46-Pd-108
-98.31 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl Threshold 673.05 eV
n-Pd108.endfb8.0 Threshold 672.98 eV
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
53
46-Pd-108


MAT 4643
Dpa inelastic (mt51-91)
Cross Section
46-Pd-108
-31.77 To 92.17 %
Min Ratio
Max Ratio
n-Pd108.tendl Threshold 450.00 keV
n-Pd108.endfb8.0 Threshold 450.00 keV
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
54
46-Pd-108


MAT 4643
Dpa disappearance (mt102 -120)
Cross Section
46-Pd-108
-99.91 To 9999. %
Max Ratio
Min Ratio
n-Pd108.tendl
n-Pd108.endfb8.0
Cross Section (barns)
n-Pd108.endfb8.0/n-Pd108.tendl
Ratio
Incident Energy (eV)
55
46-Pd-108