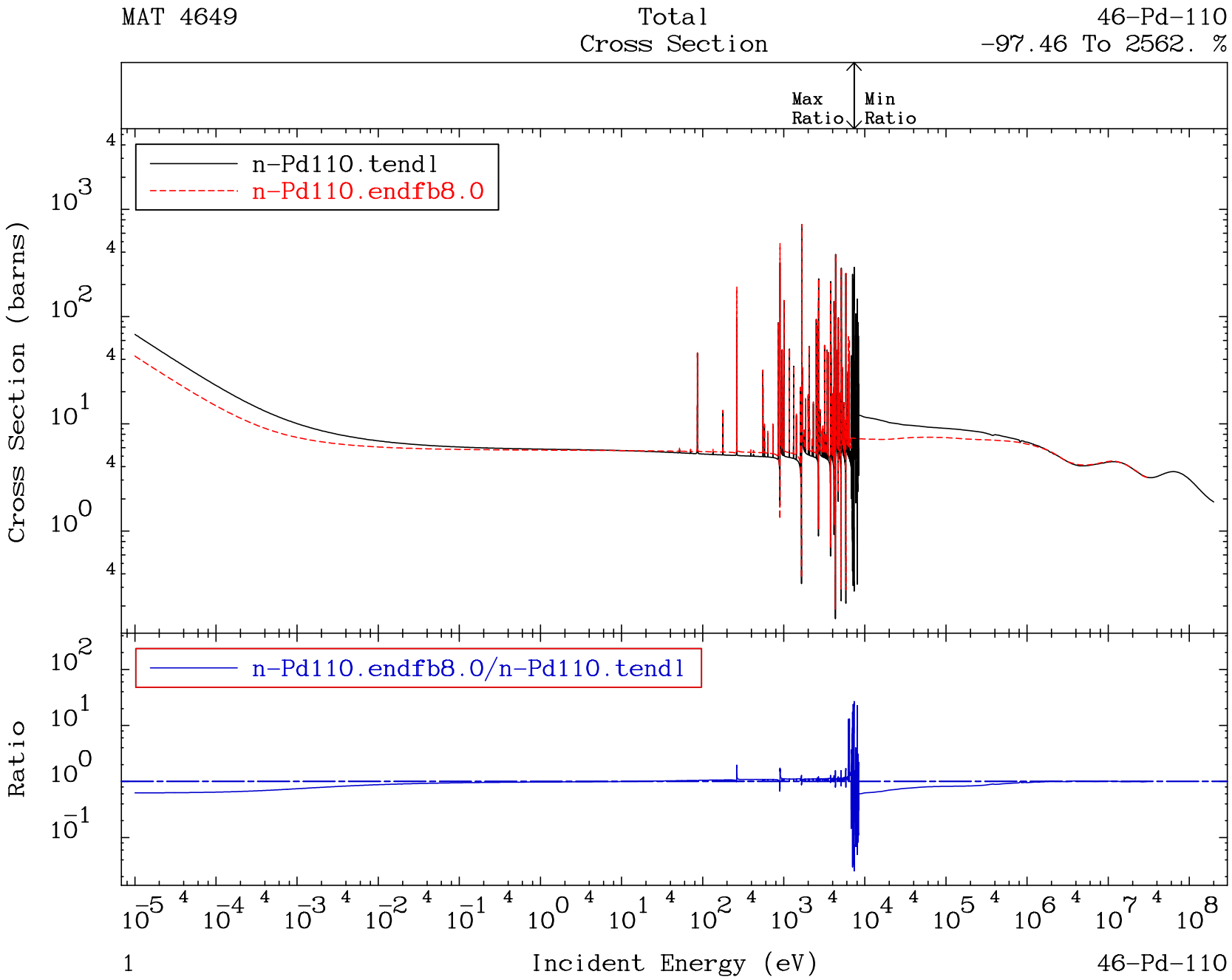
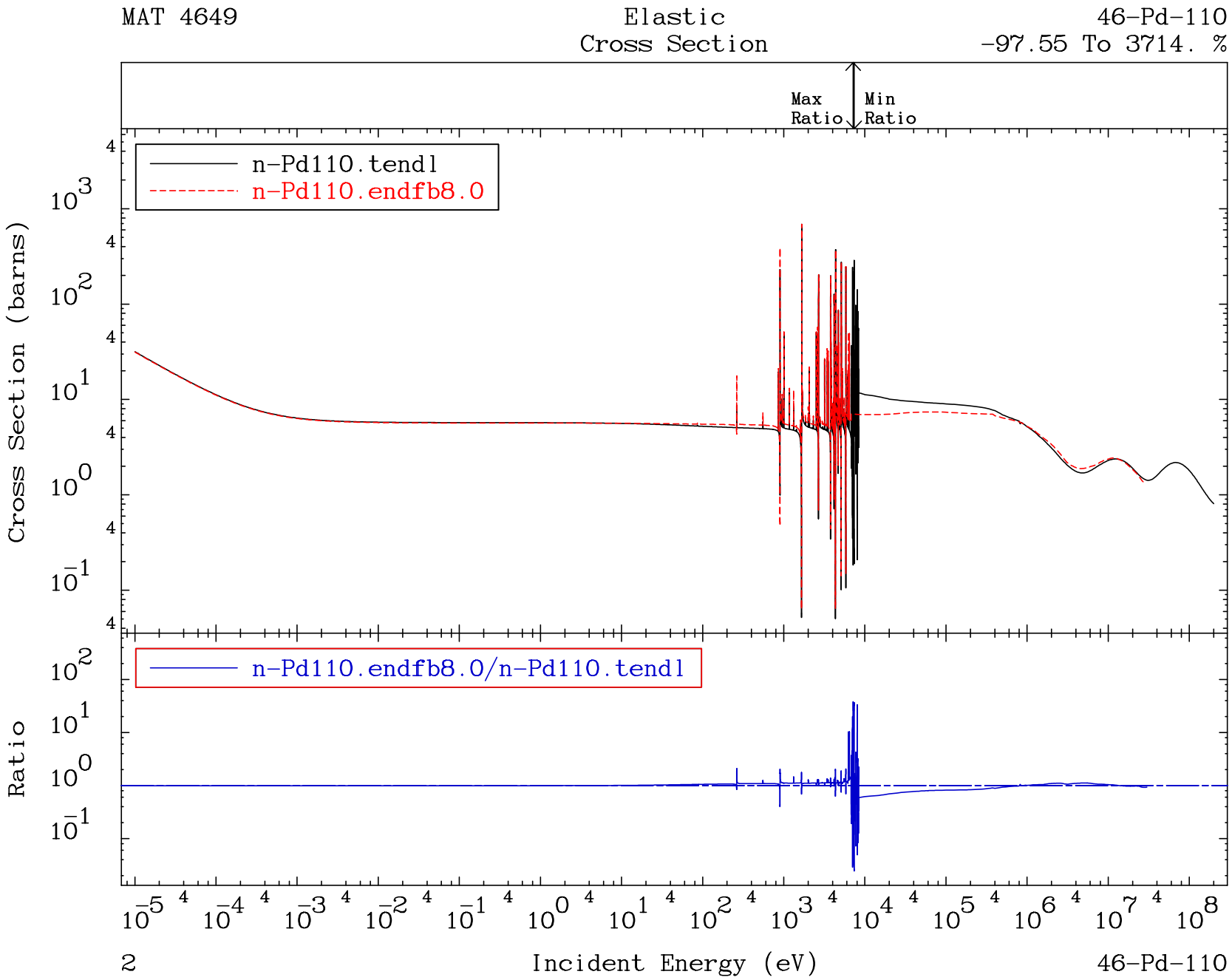
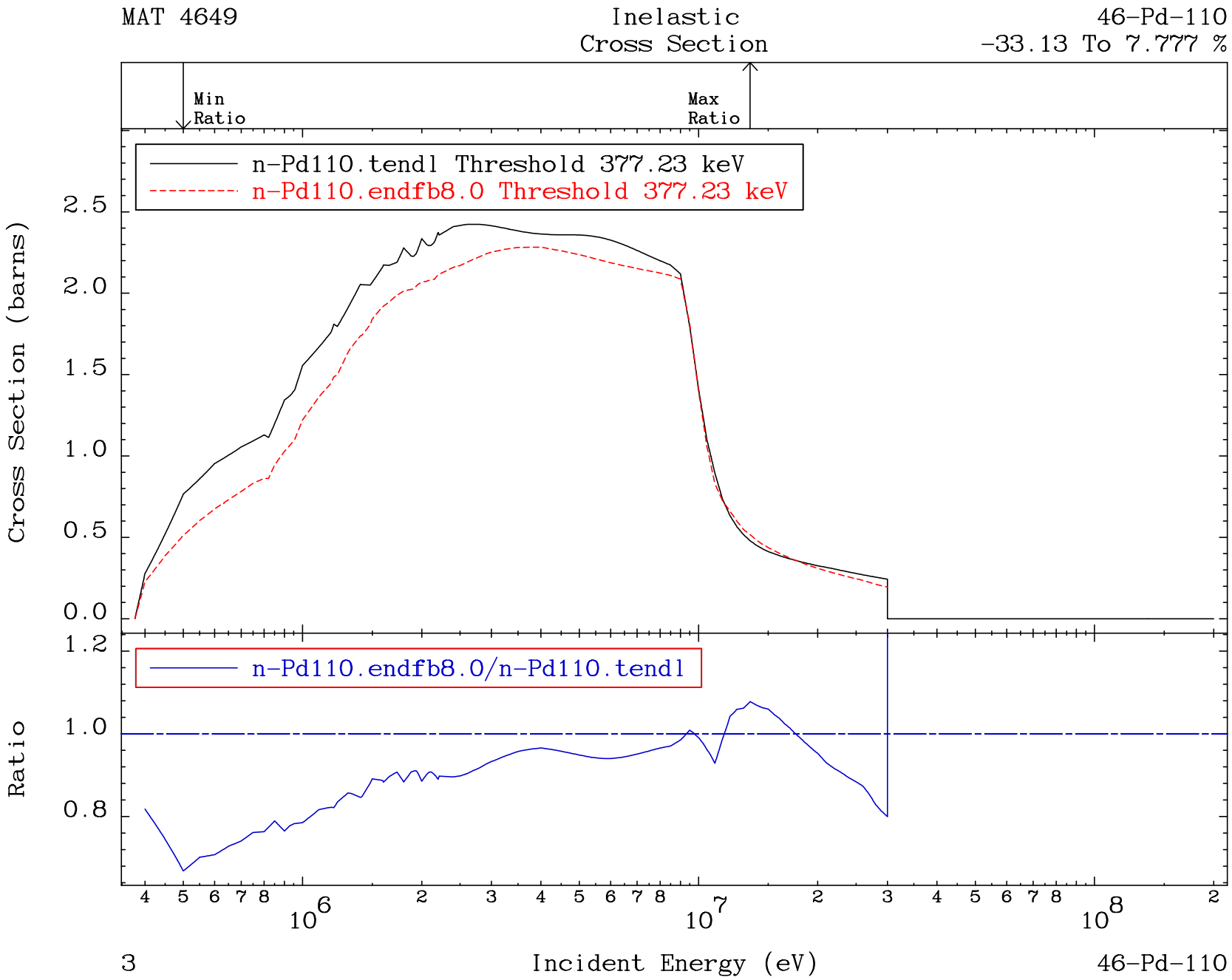
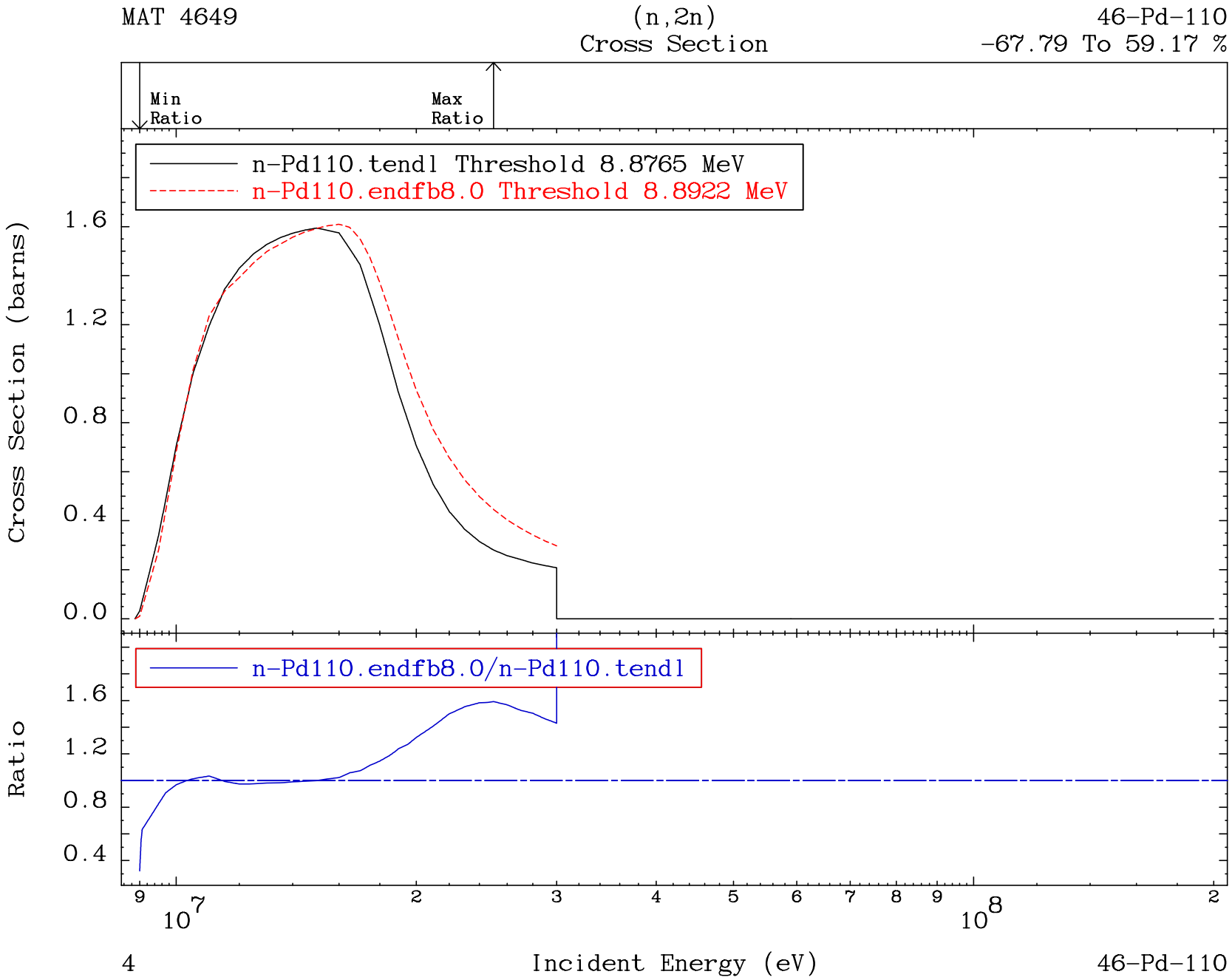
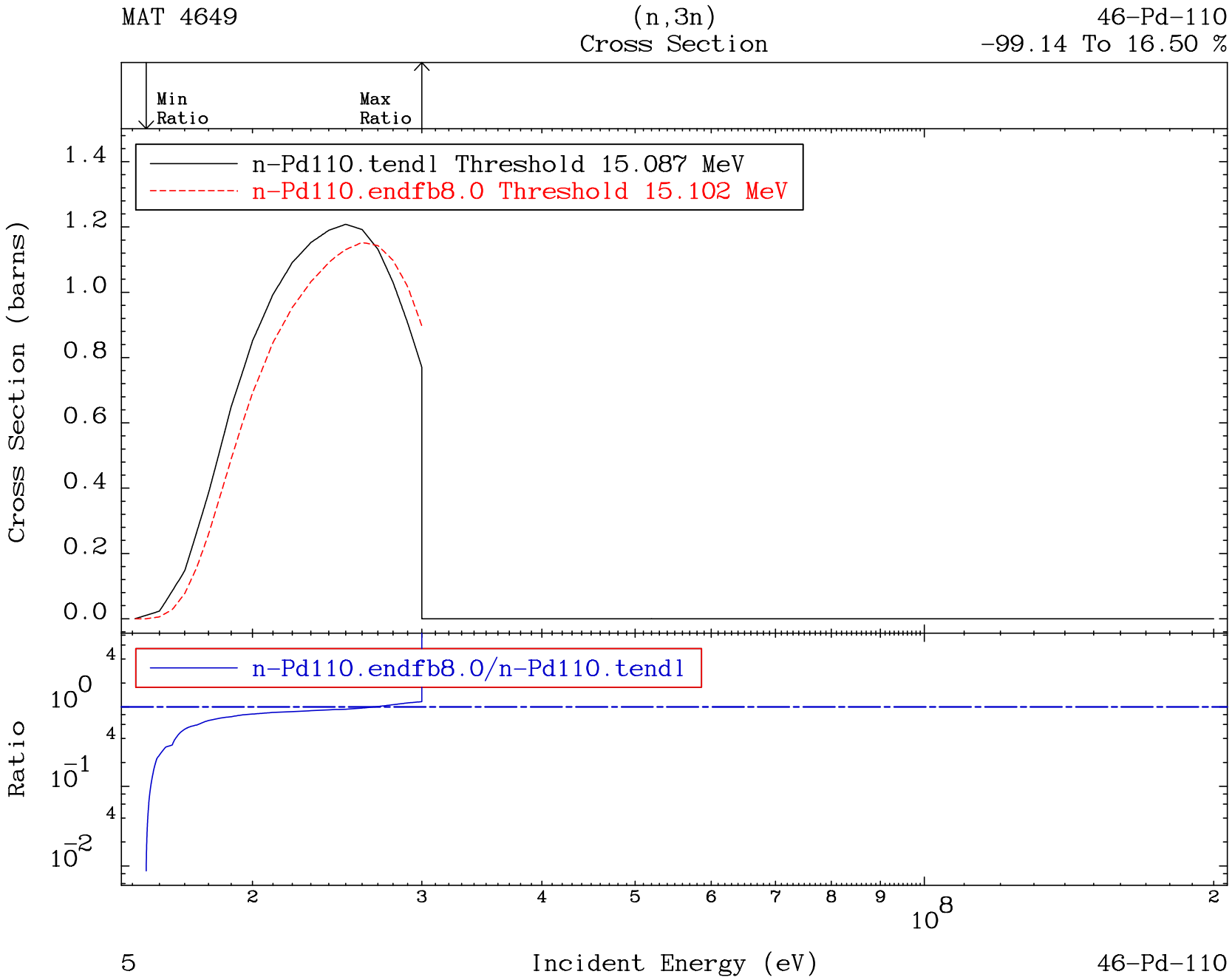
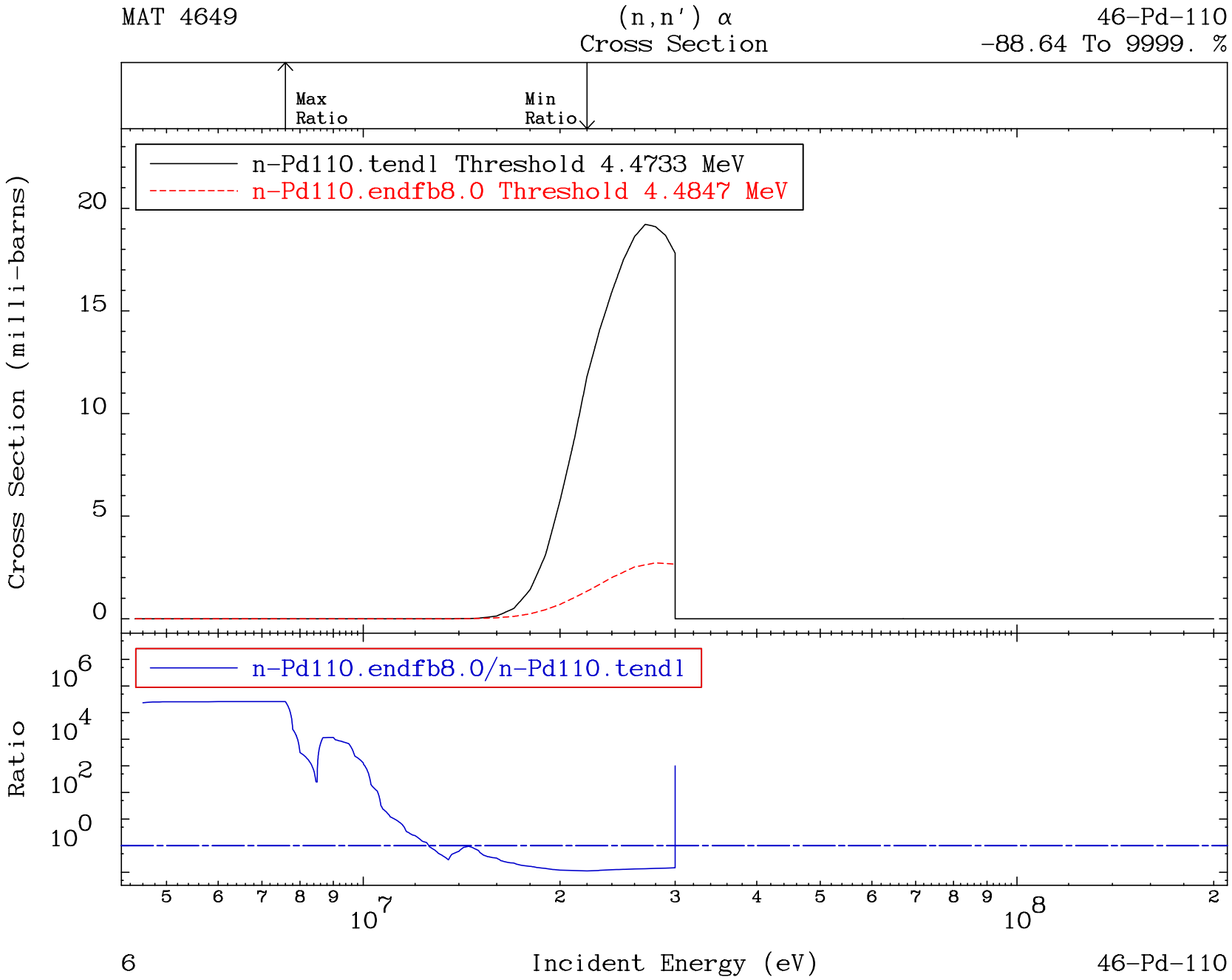

MAT 4649
Total
Cross Section
46-Pd-110
-97.46 To 2562. %
Max
Ratio
Min
Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
1
46-Pd-110

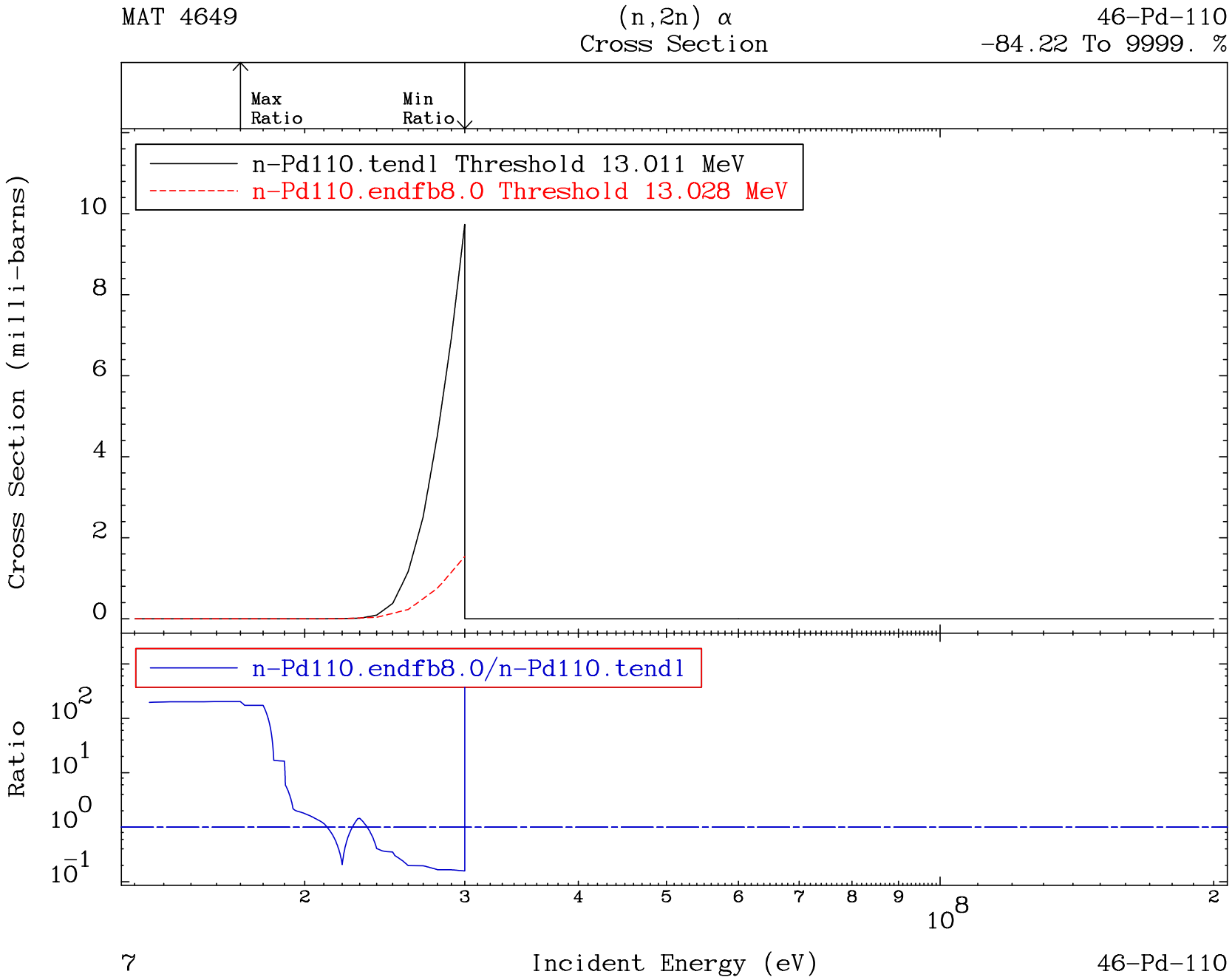

MAT 4649
Elastic
Cross Section
46-Pd-110
-97.55 To 3714. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
2
46-Pd-110

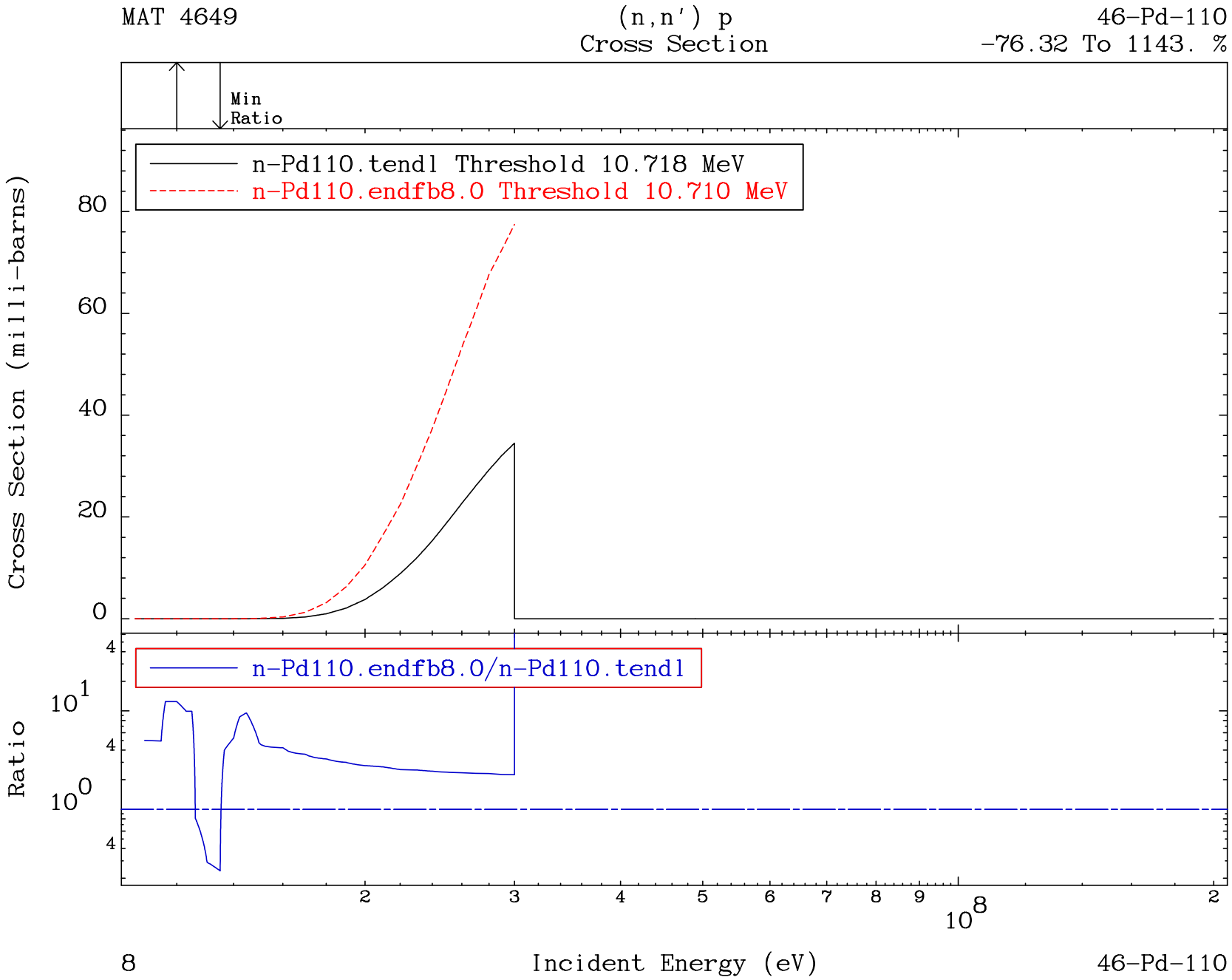

MAT 4649
Inelastic
Cross Section
46-Pd-110
-33.13 To 7.777 %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 377.23 keV
n-Pd110.endfb8.0 Threshold 377.23 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.2
1.0
0.8
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
46-Pd-110

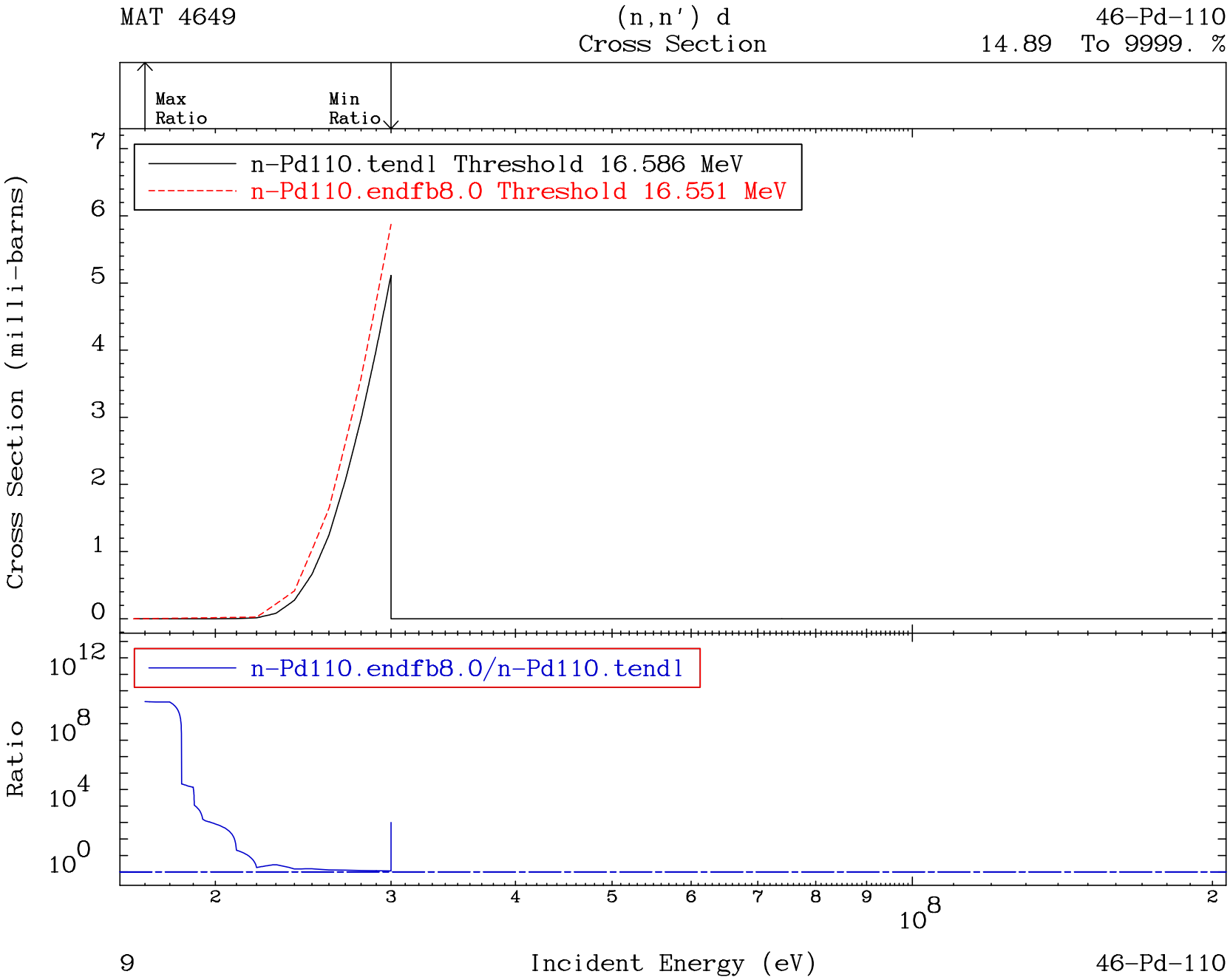

MAT 4649
(n,2n)
Cross Section
46-Pd-110
-67.79 To 59.17 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 8.8765 MeV
n-Pd110.endfb8.0 Threshold 8.8922 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.6
1.2
0.8
0.4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
46-Pd-110

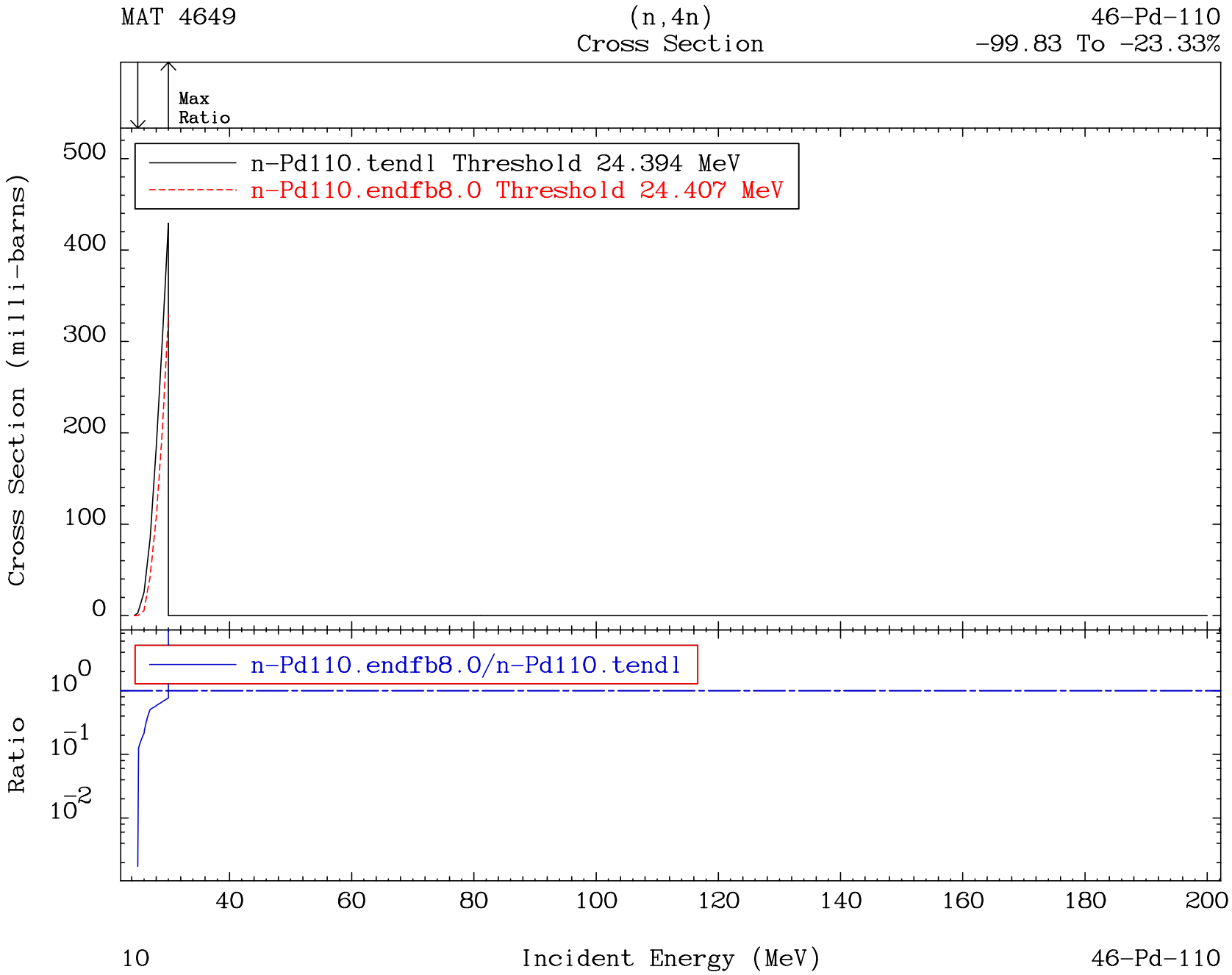

MAT 4649
(n,3n)
Cross Section
46-Pd-110
-99.14 To 16.50 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 15.087 MeV
n-Pd110.endfb8.0 Threshold 15.102 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
46-Pd-110

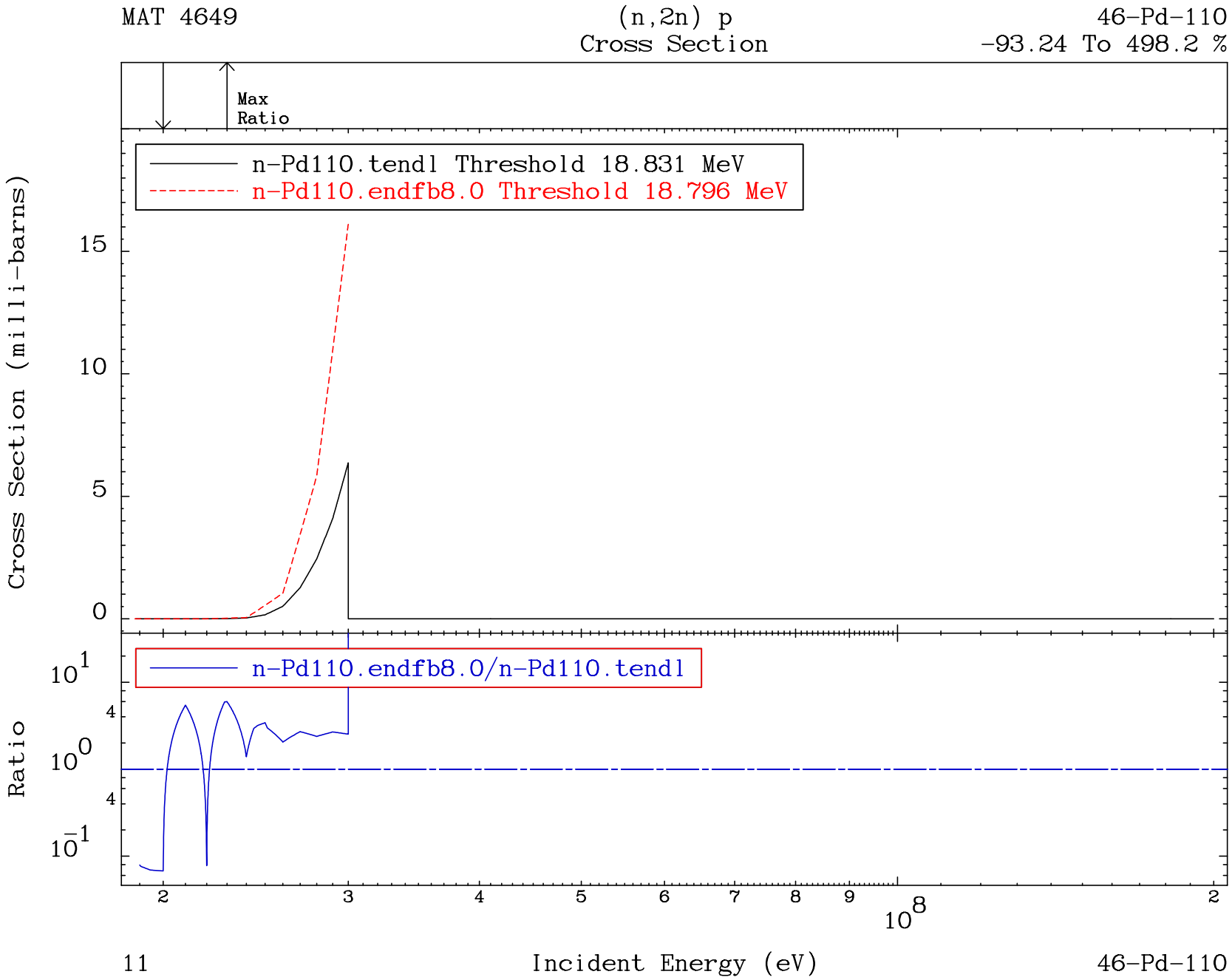

MAT 4649
(n,n') α
Cross Section
46-Pd-110
-88.64 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 4.4733 MeV
n-Pd110.endfb8.0 Threshold 4.4847 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^6
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
46-Pd-110

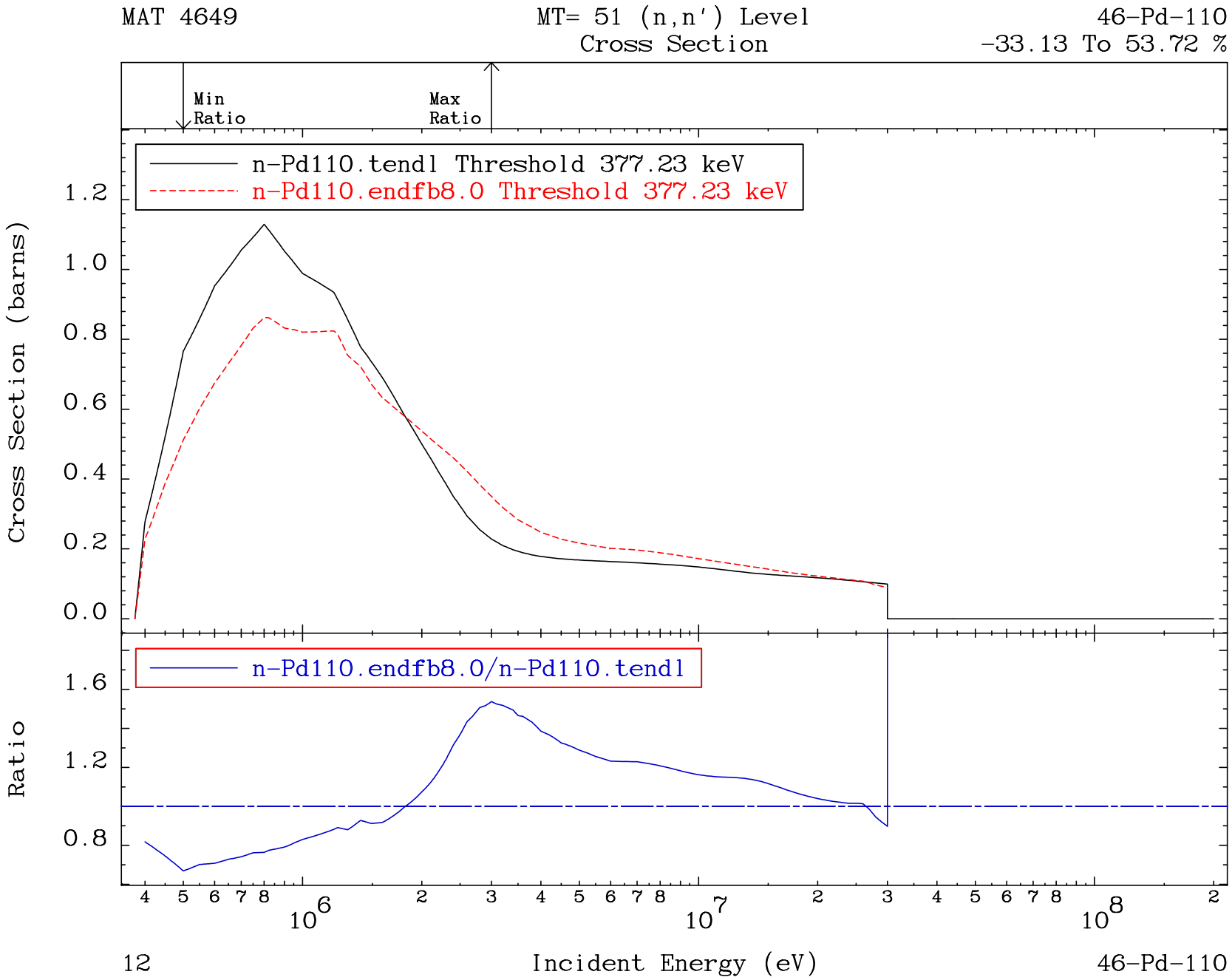

MAT 4649
(n,2n) α
Cross Section
46-Pd-110
-84.22 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 13.011 MeV
n-Pd110.endfb8.0 Threshold 13.028 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^{2}
10^{1}
10^{0}
10^{-1}
2
3
4
5
6
7
8
9
10^{8}
2
7
Incident Energy (eV)
46-Pd-110

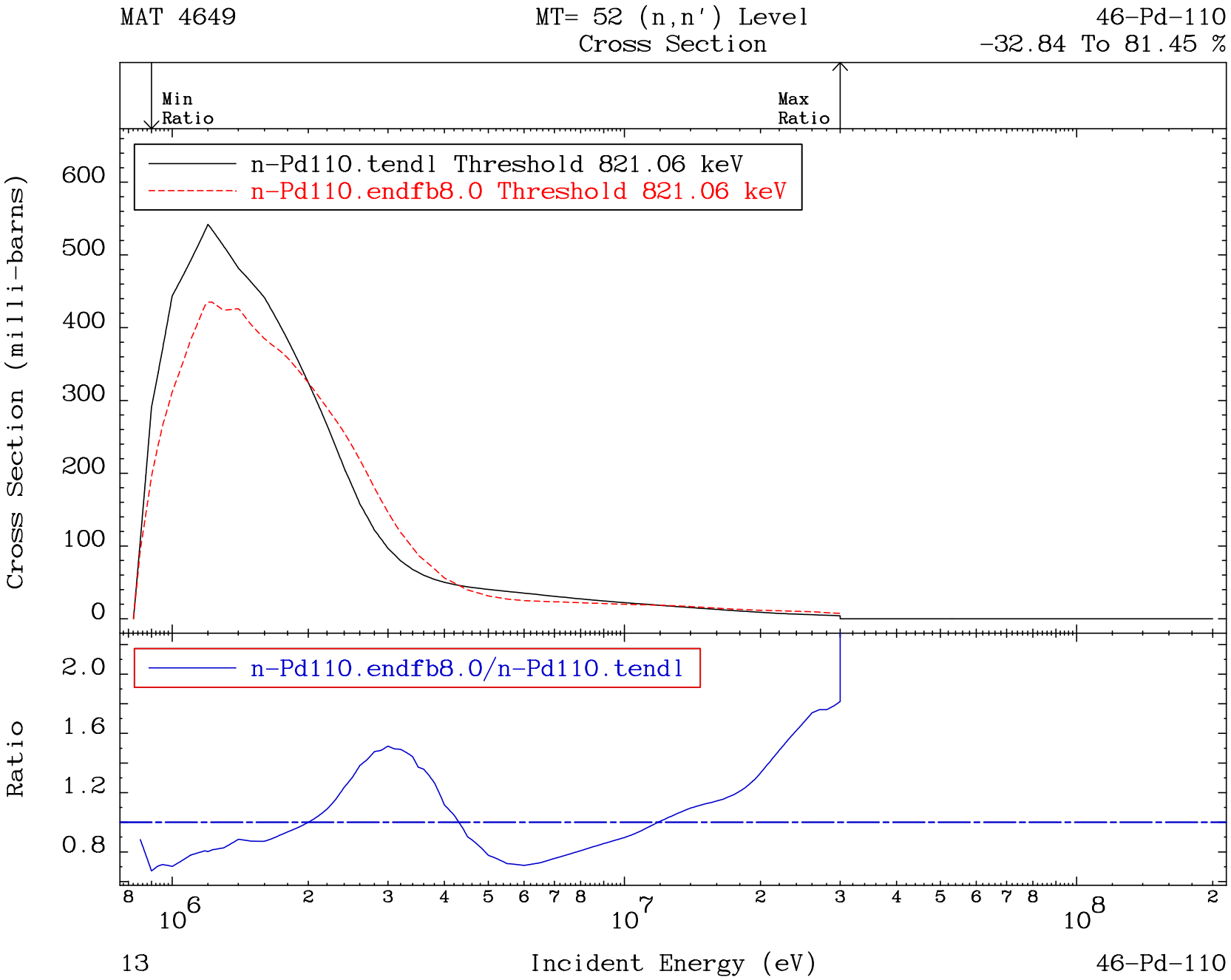

MAT 4649
(n,n') p
Cross Section
46-Pd-110
-76.32 To 1143. %
Min
Ratio
n-Pd110.tendl Threshold 10.718 MeV
n-Pd110.endfb8.0 Threshold 10.710 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
4
10^0
4
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
46-Pd-110

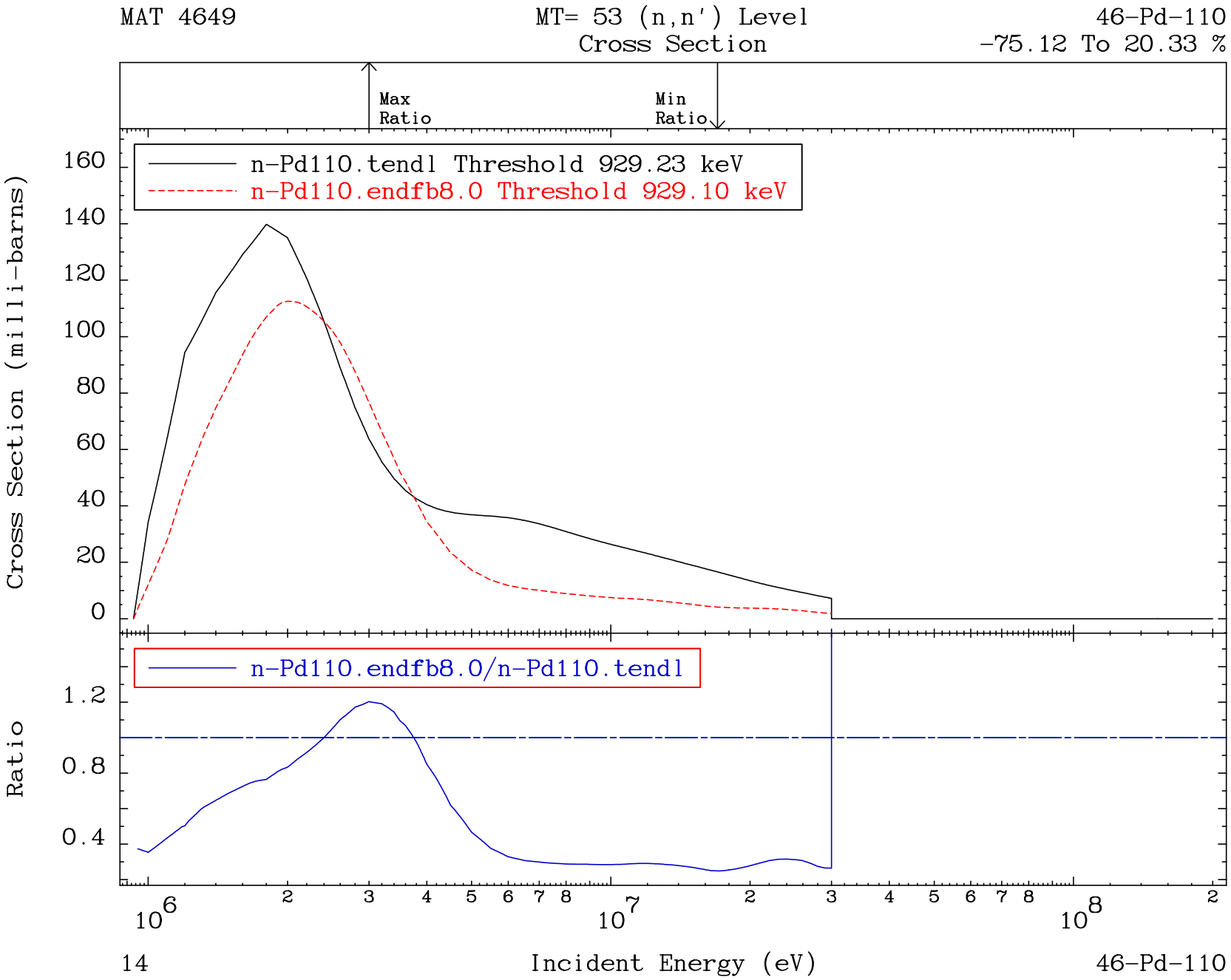

MAT 4649
(n,n') d
Cross Section
46-Pd-110
14.89 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 16.586 MeV
n-Pd110.endfb8.0 Threshold 16.551 MeV
Cross Section (milli-barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
9
46-Pd-110

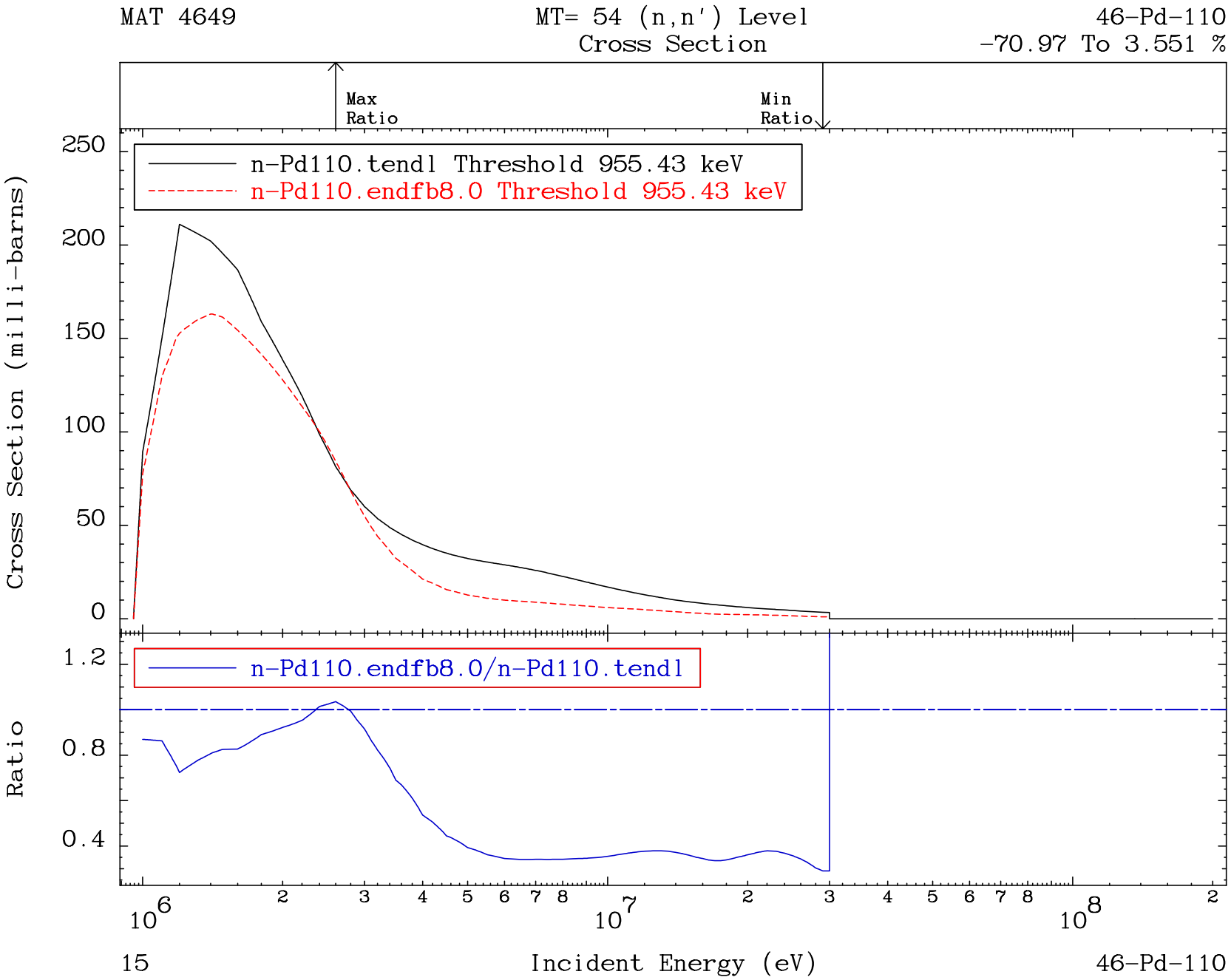

MAT 4649
(n,4n)
Cross Section
46-Pd-110
-99.83 To -23.33%
Max
Ratio
n-Pd110.tendl Threshold 24.394 MeV
n-Pd110.endfb8.0 Threshold 24.407 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-1
10^-2
40
60
80
100
120
140
160
180
200
10
Incident Energy (MeV)
46-Pd-110

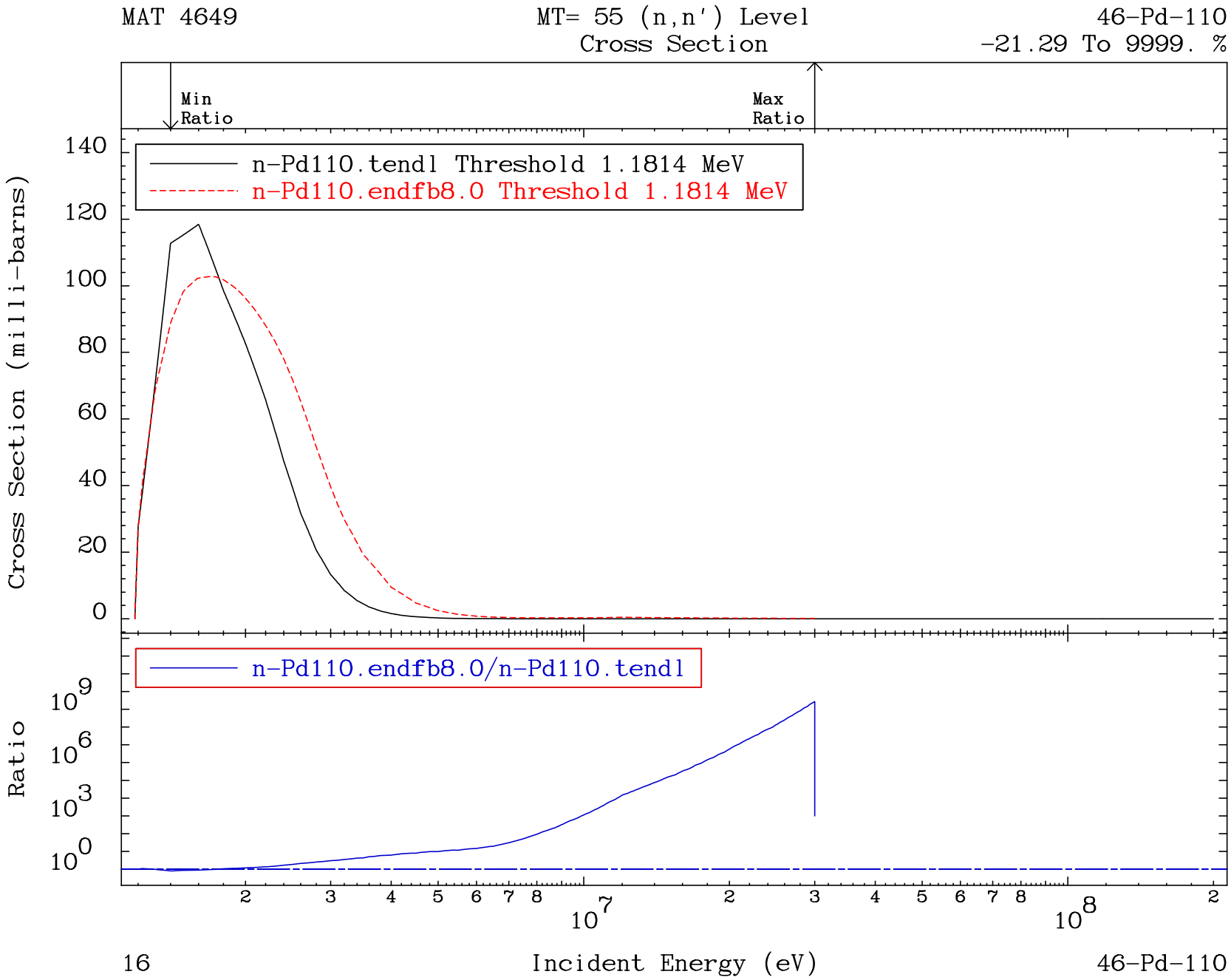

MAT 4649
(n,2n) p
Cross Section
46-Pd-110
-93.24 To 498.2 %
Max
Ratio
n-Pd110.tendl Threshold 18.831 MeV
n-Pd110.endfb8.0 Threshold 18.796 MeV
Cross Section (milli-barns)
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
46-Pd-110

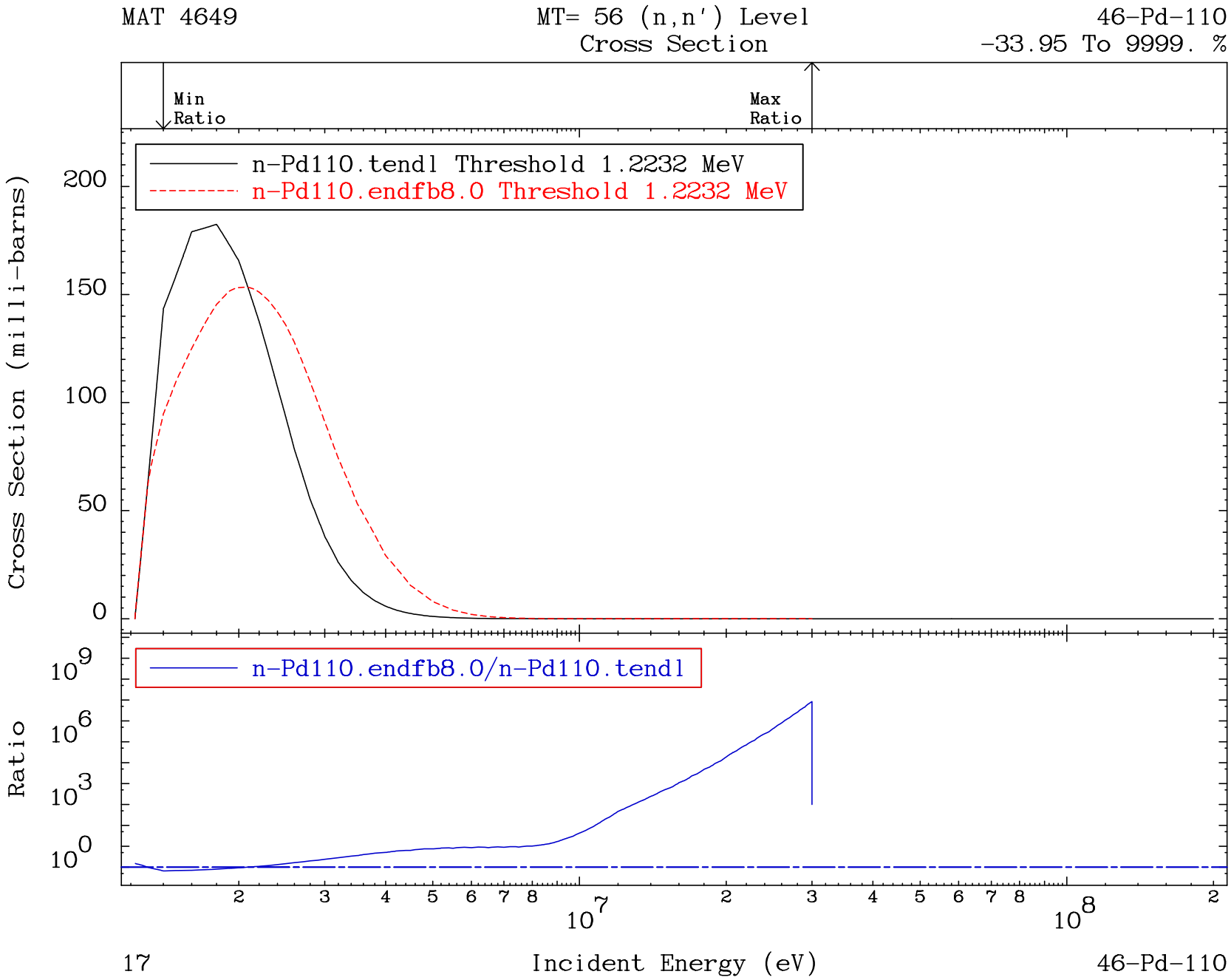

MAT 4649
MT= 51 (n,n') Level
Cross Section
46-Pd-110
-33.13 To 53.72 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 377.23 keV
n-Pd110.endfb8.0 Threshold 377.23 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.6
1.2
0.8
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
46-Pd-110

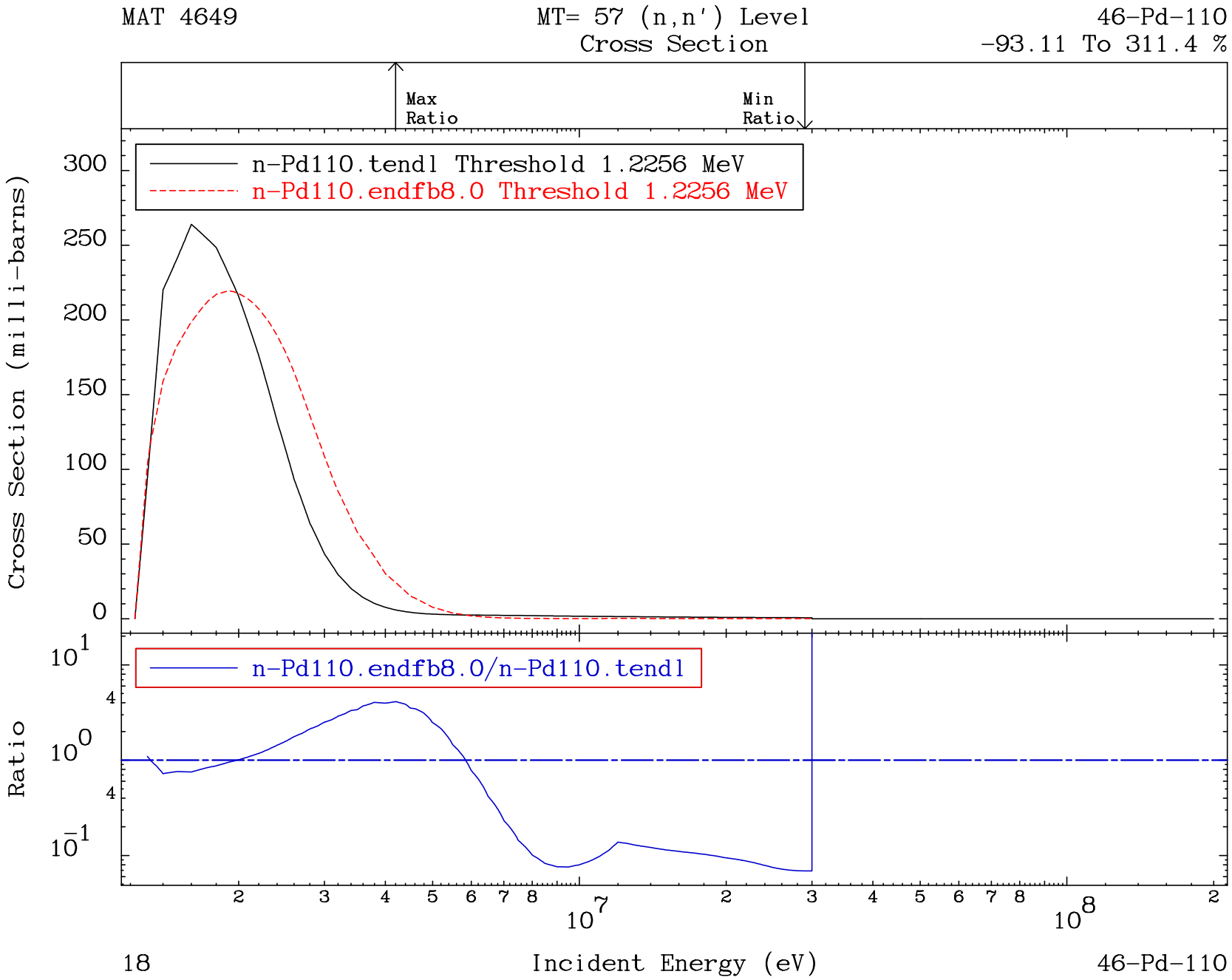

MAT 4649
MT= 52 (n,n') Level
Cross Section
46-Pd-110
-32.84 To 81.45 %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 821.06 keV
n-Pd110.endfb8.0 Threshold 821.06 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
2.0
1.6
1.2
0.8
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
13
Incident Energy (eV)
46-Pd-110

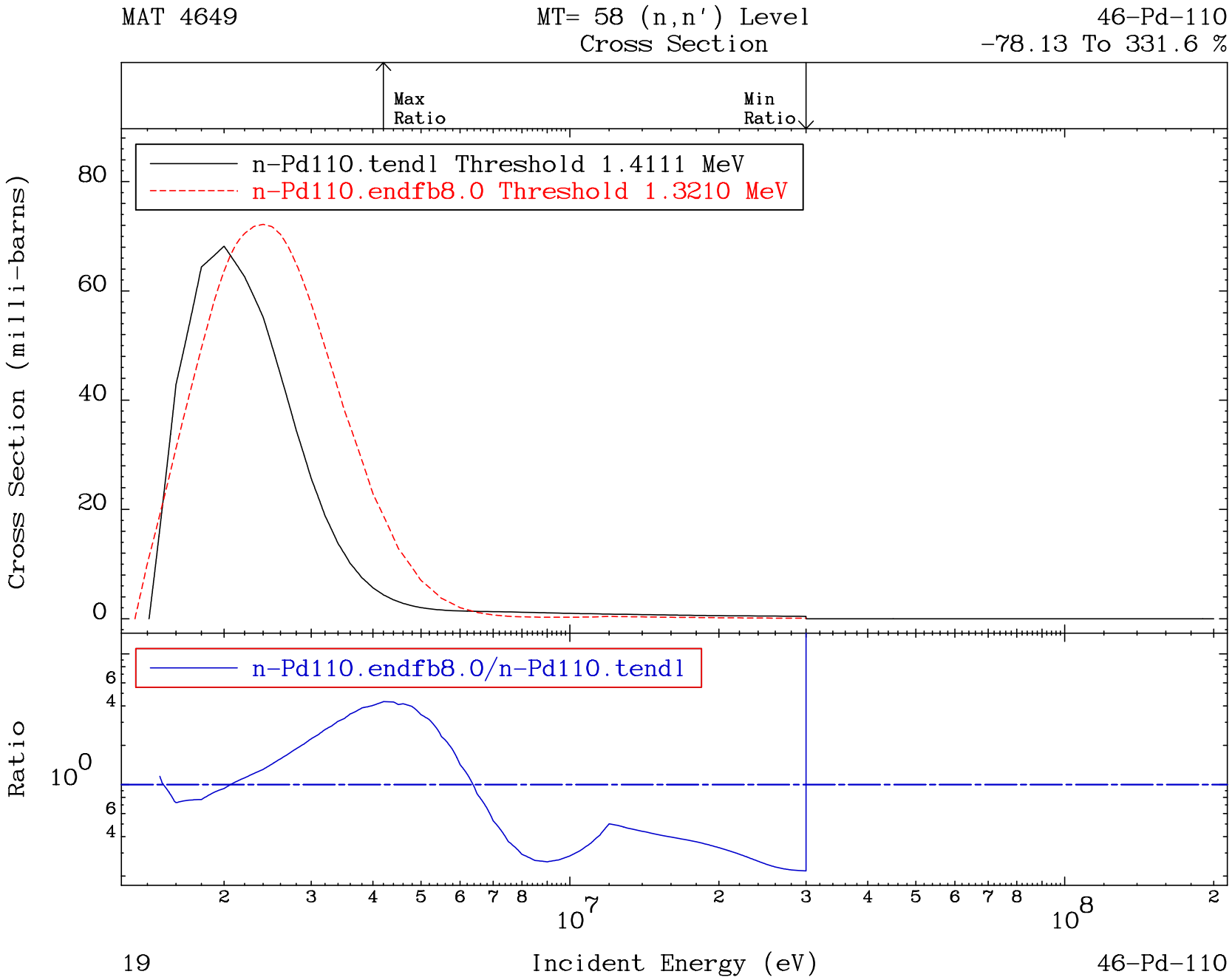

MAT 4649
MT= 53 (n,n') Level
Cross Section
46-Pd-110
-75.12 To 20.33 %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 929.23 keV
n-Pd110.endfb8.0 Threshold 929.10 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.2
0.8
0.4
10^6
10^7
10^8
14
Incident Energy (eV)
46-Pd-110

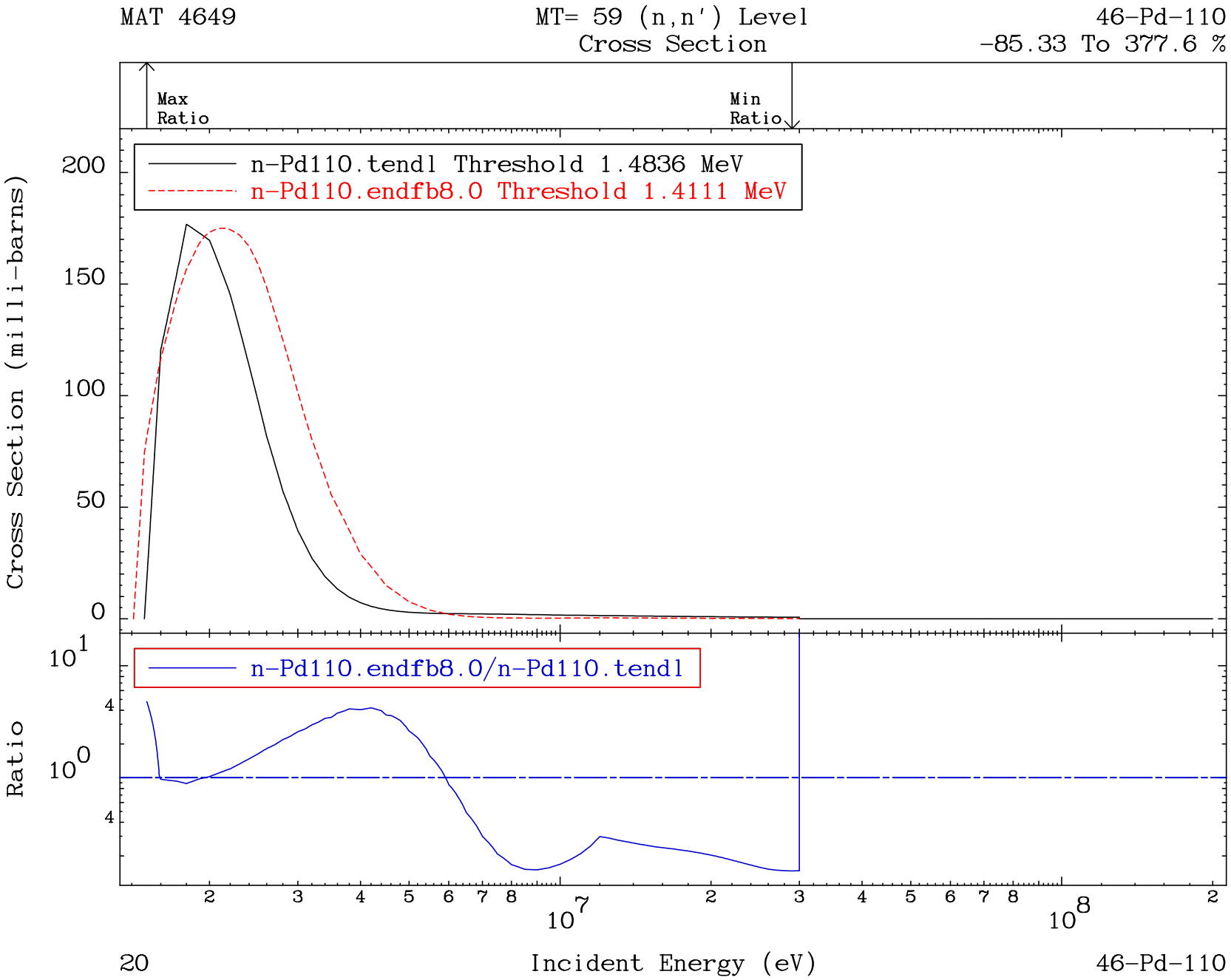

MAT 4649
MT= 54 (n,n') Level
Cross Section
46-Pd-110
-70.97 To 3.551 %
Max
Ratio
Min
Ratio
n-Pd110.tendl Threshold 955.43 keV
n-Pd110.endfb8.0 Threshold 955.43 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.2
0.8
0.4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
46-Pd-110

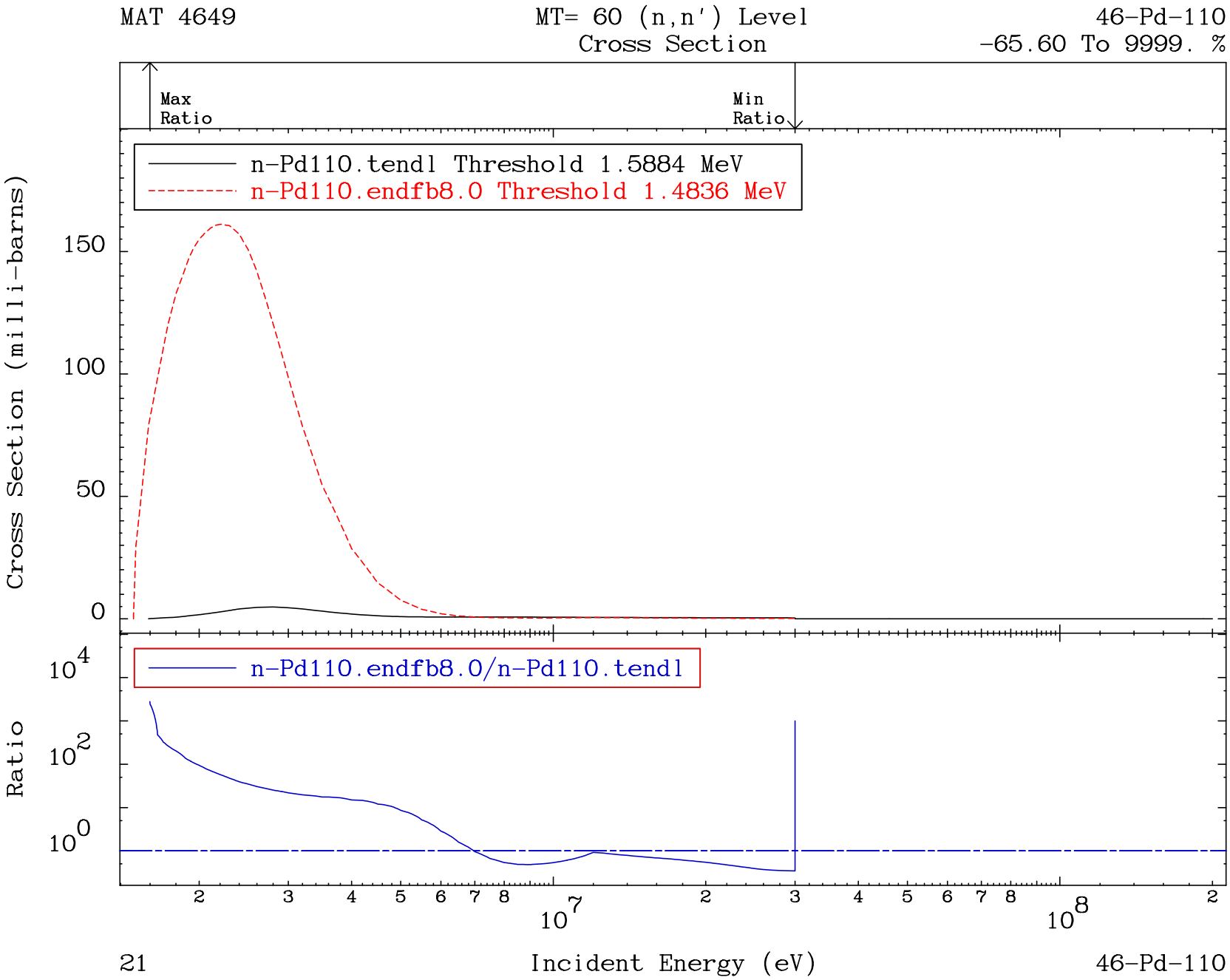

MAT 4649
MT= 55 (n,n') Level
Cross Section
46-Pd-110
-21.29 To 9999. %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 1.1814 MeV
n-Pd110.endfb8.0 Threshold 1.1814 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
46-Pd-110

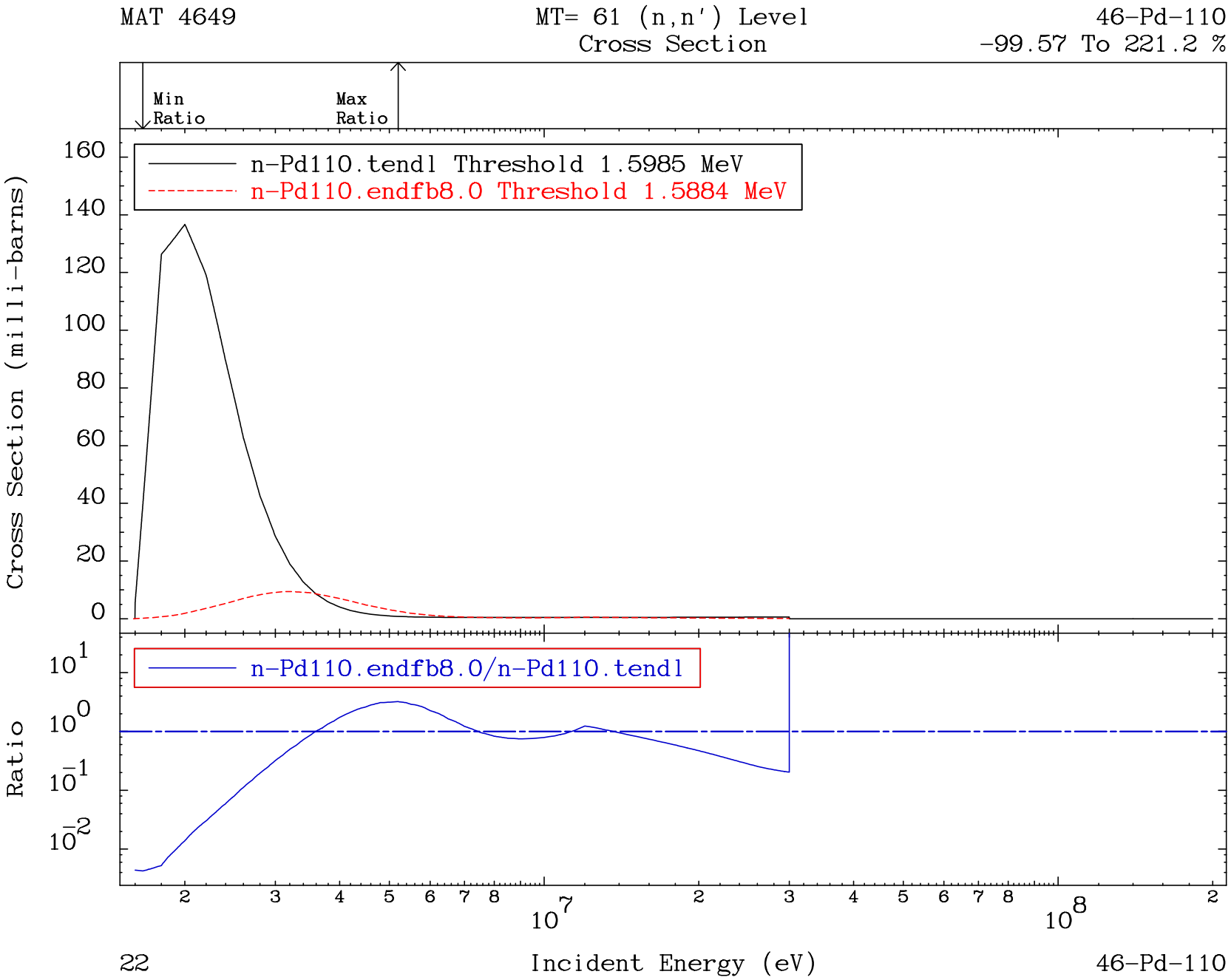

MAT 4649
MT= 56 (n,n') Level
Cross Section
46-Pd-110
-33.95 To 9999. %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 1.2232 MeV
n-Pd110.endfb8.0 Threshold 1.2232 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
46-Pd-110

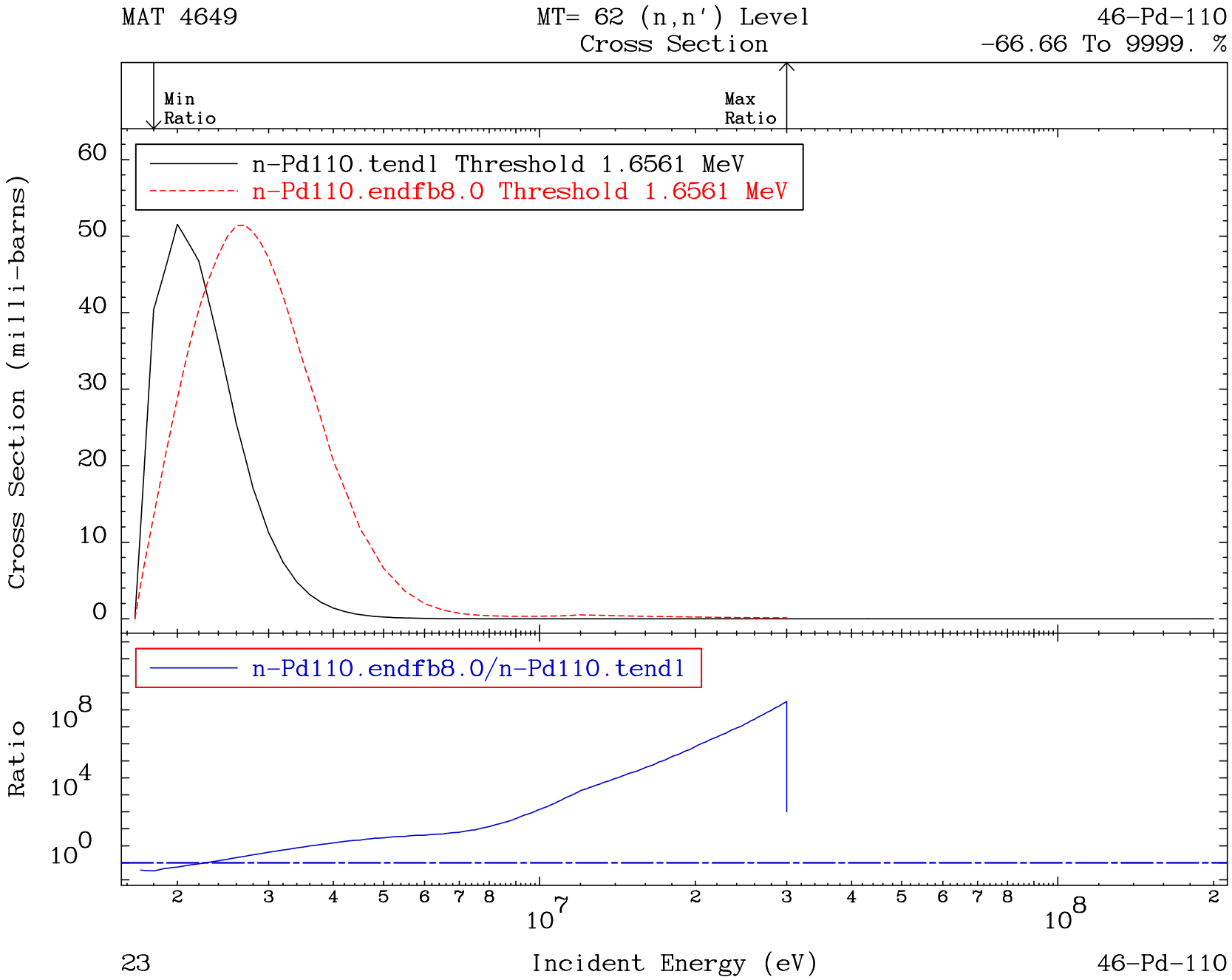

MAT 4649
MT= 57 (n,n') Level
Cross Section
46-Pd-110
-93.11 To 311.4 %
Max
Ratio
Min
Ratio
n-Pd110.tendl Threshold 1.2256 MeV
n-Pd110.endfb8.0 Threshold 1.2256 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
46-Pd-110

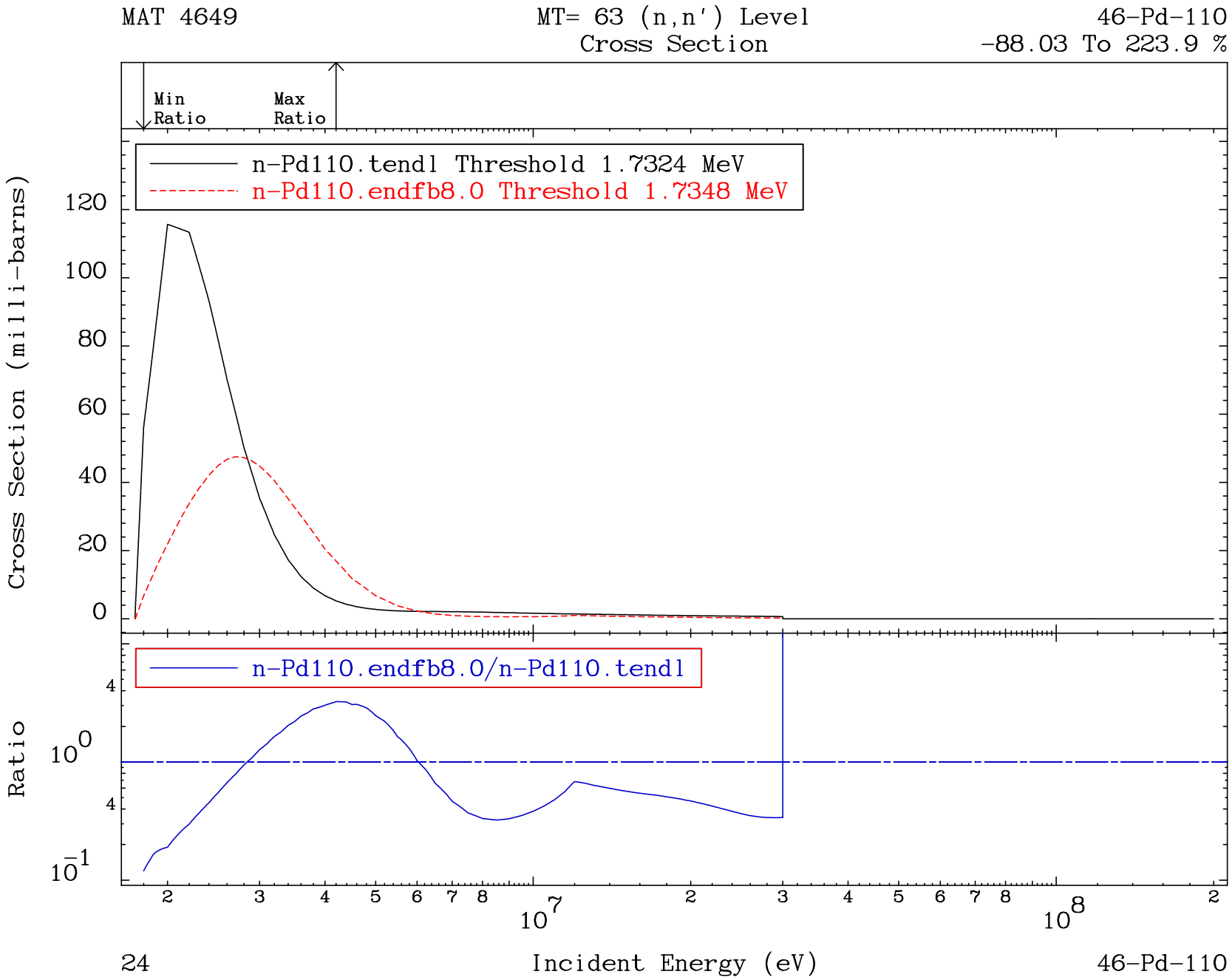

MAT 4649
MT= 58 (n,n') Level
Cross Section
46-Pd-110
-78.13 To 331.6 %
Max
Ratio
Min
Ratio
n-Pd110.tendl Threshold 1.4111 MeV
n-Pd110.endfb8.0 Threshold 1.3210 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
6
4
10^0
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
46-Pd-110

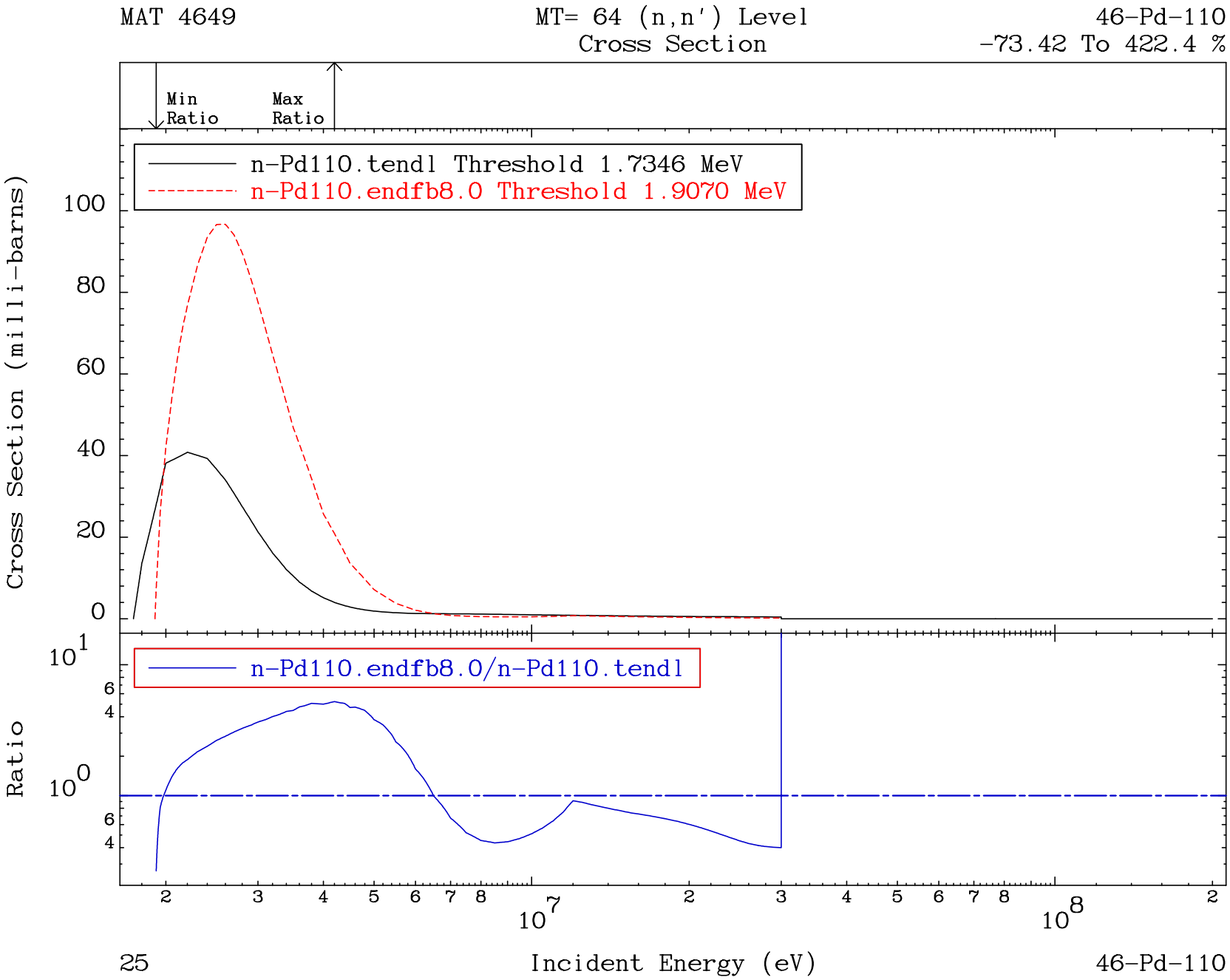

MAT 4649
MT= 59 (n,n') Level
Cross Section
46-Pd-110
-85.33 To 377.6 %
Max
Ratio
Min
Ratio
n-Pd110.tendl Threshold 1.4836 MeV
n-Pd110.endfb8.0 Threshold 1.4111 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
4
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
46-Pd-110

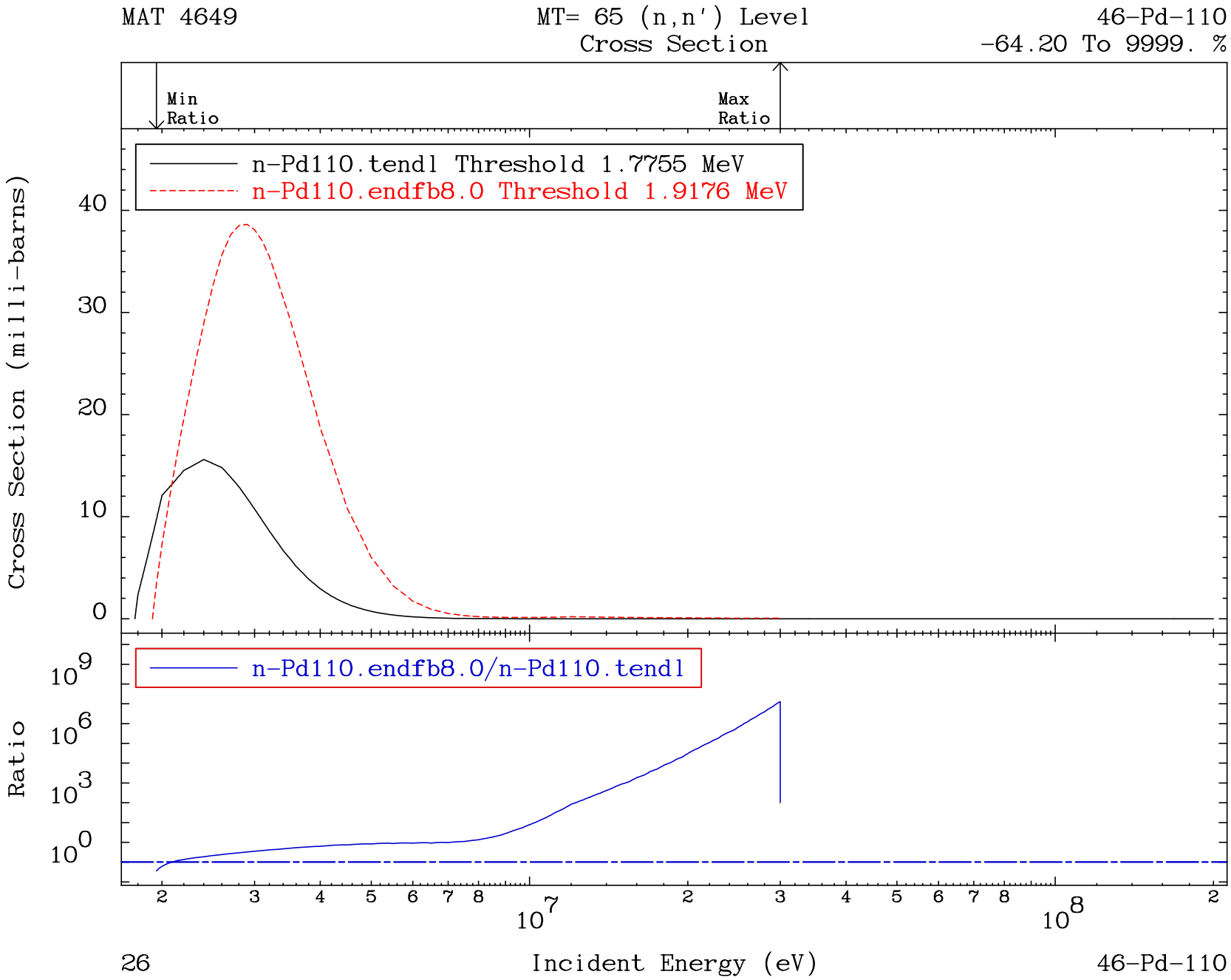

MAT 4649
MT= 60 (n,n') Level
Cross Section
46-Pd-110
-65.60 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 1.5884 MeV
n-Pd110.endfb8.0 Threshold 1.4836 MeV
Cross Section (milli-barns)
150
100
50
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
46-Pd-110

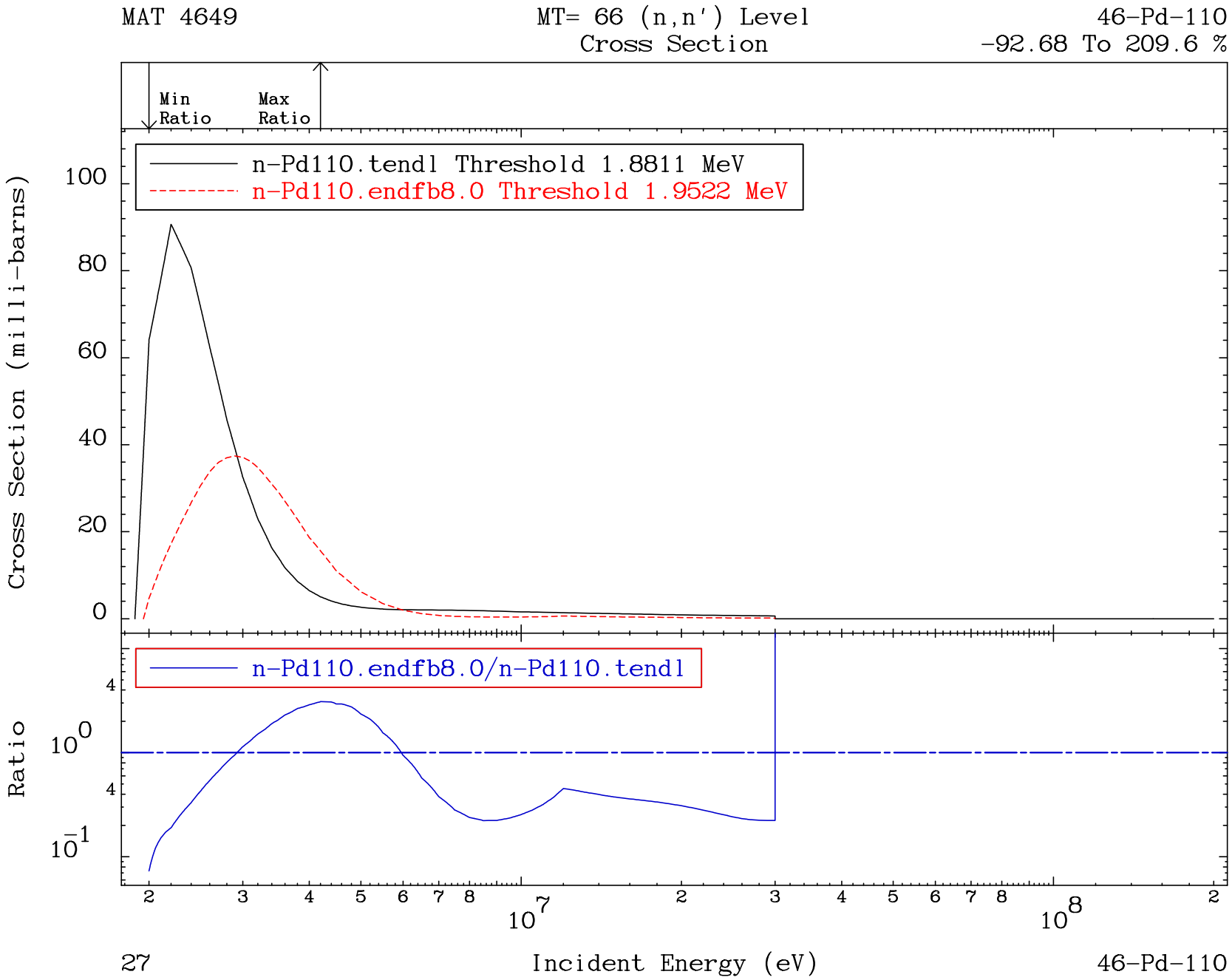

MAT 4649
MT= 61 (n,n') Level
Cross Section
46-Pd-110
-99.57 To 221.2 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.5985 MeV
n-Pd110.endfb8.0 Threshold 1.5884 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
10^-1
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
46-Pd-110

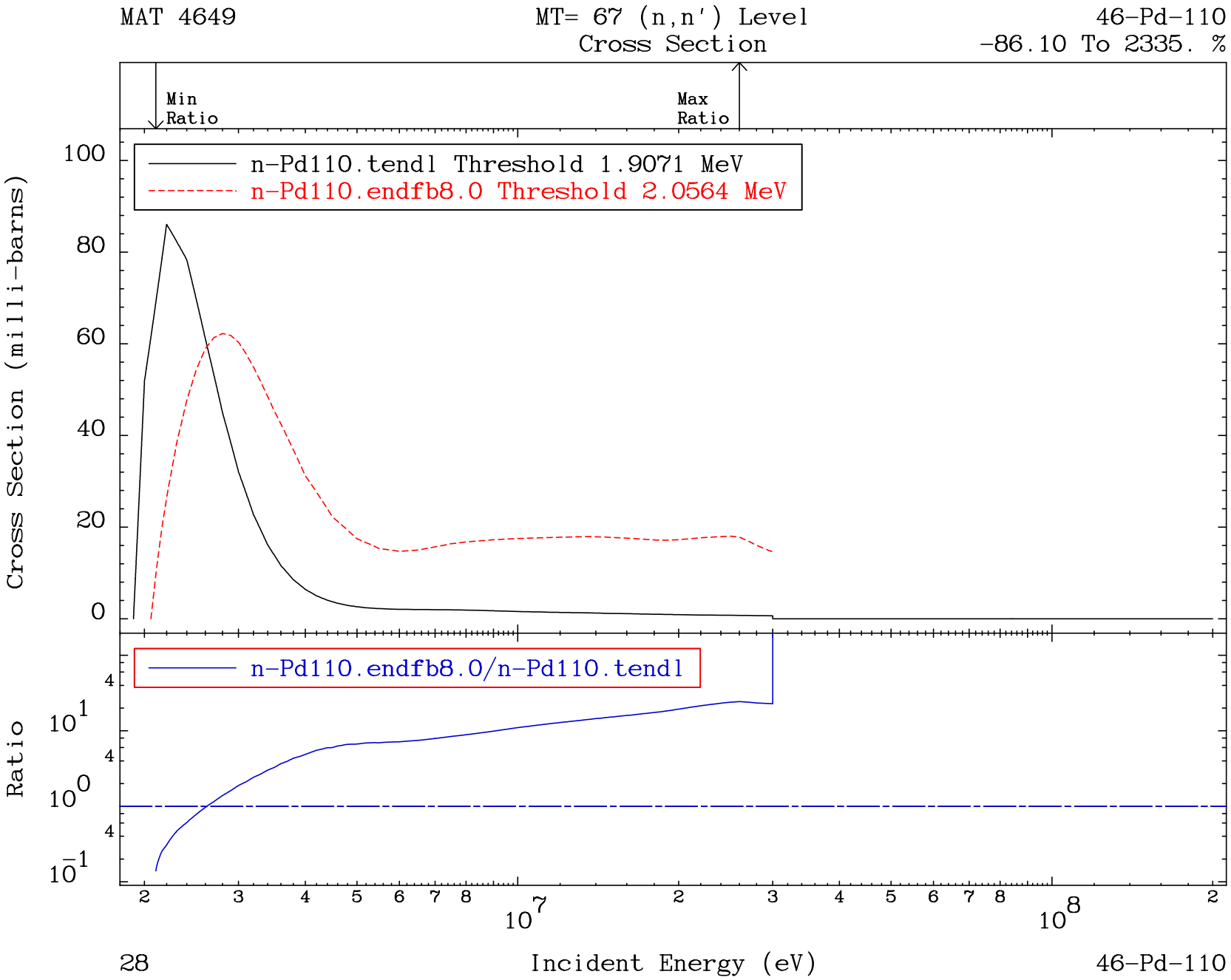

MAT 4649
MT= 62 (n,n') Level
Cross Section
46-Pd-110
-66.66 To 9999. %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 1.6561 MeV
n-Pd110.endfb8.0 Threshold 1.6561 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^8
10^4
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
23
Incident Energy (eV)
46-Pd-110

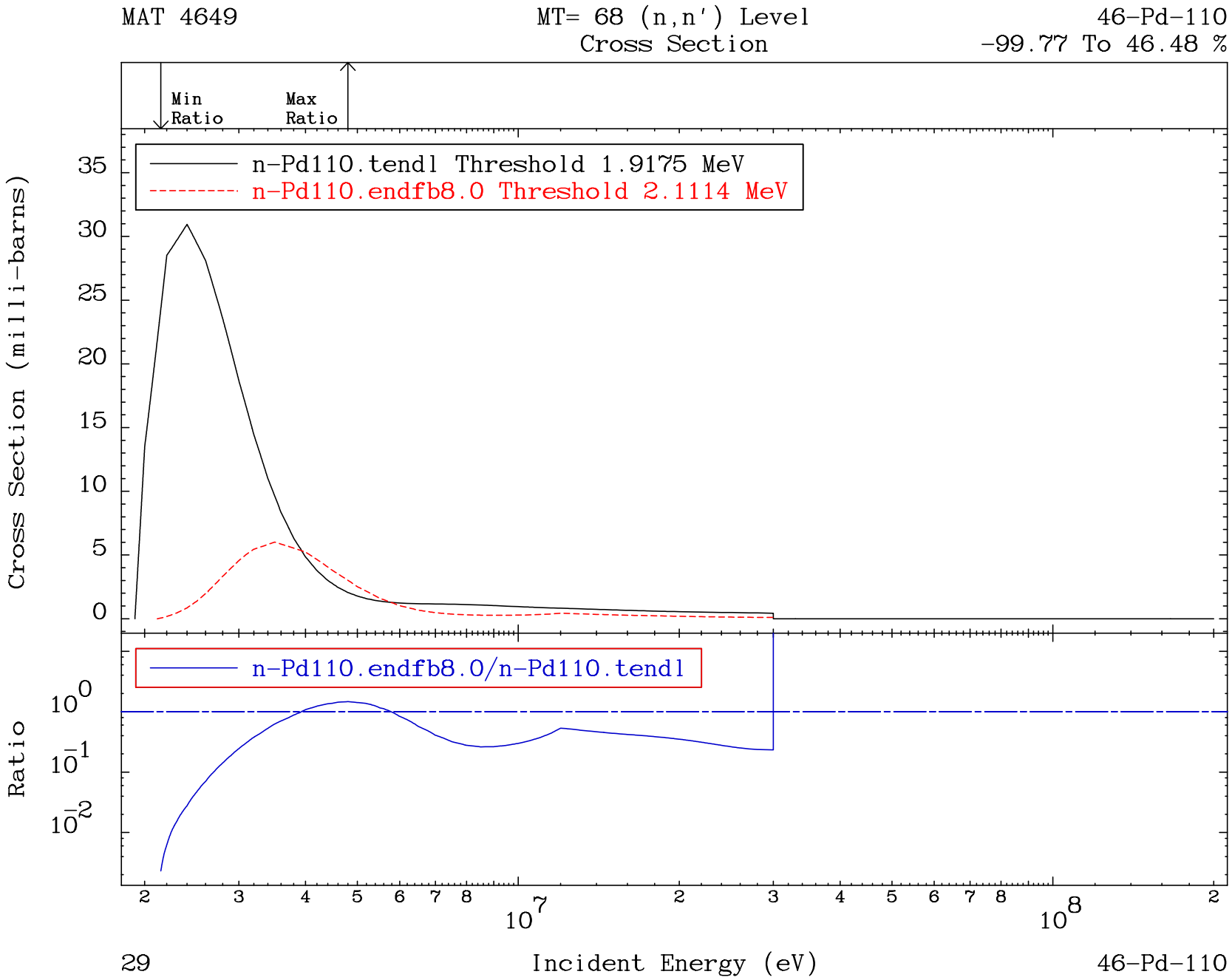

MAT 4649
MT= 63 (n,n') Level
Cross Section
46-Pd-110
-88.03 To 223.9 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.7324 MeV
n-Pd110.endfb8.0 Threshold 1.7348 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
4
10^0
4
10^{-1}
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
46-Pd-110

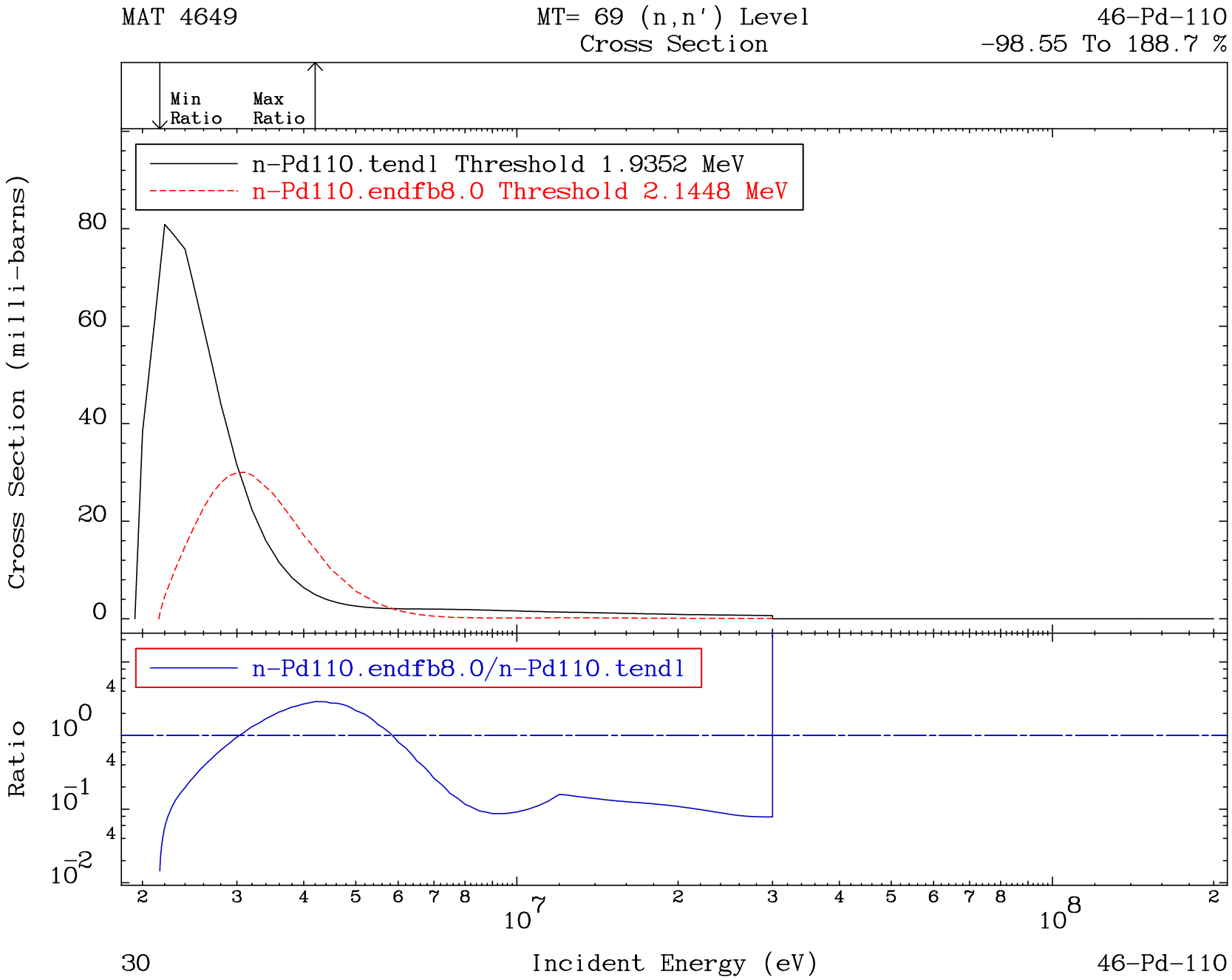

MAT 4649
MT= 64 (n,n') Level
Cross Section
46-Pd-110
-73.42 To 422.4 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.7346 MeV
n-Pd110.endfb8.0 Threshold 1.9070 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
6
4
6
4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
46-Pd-110

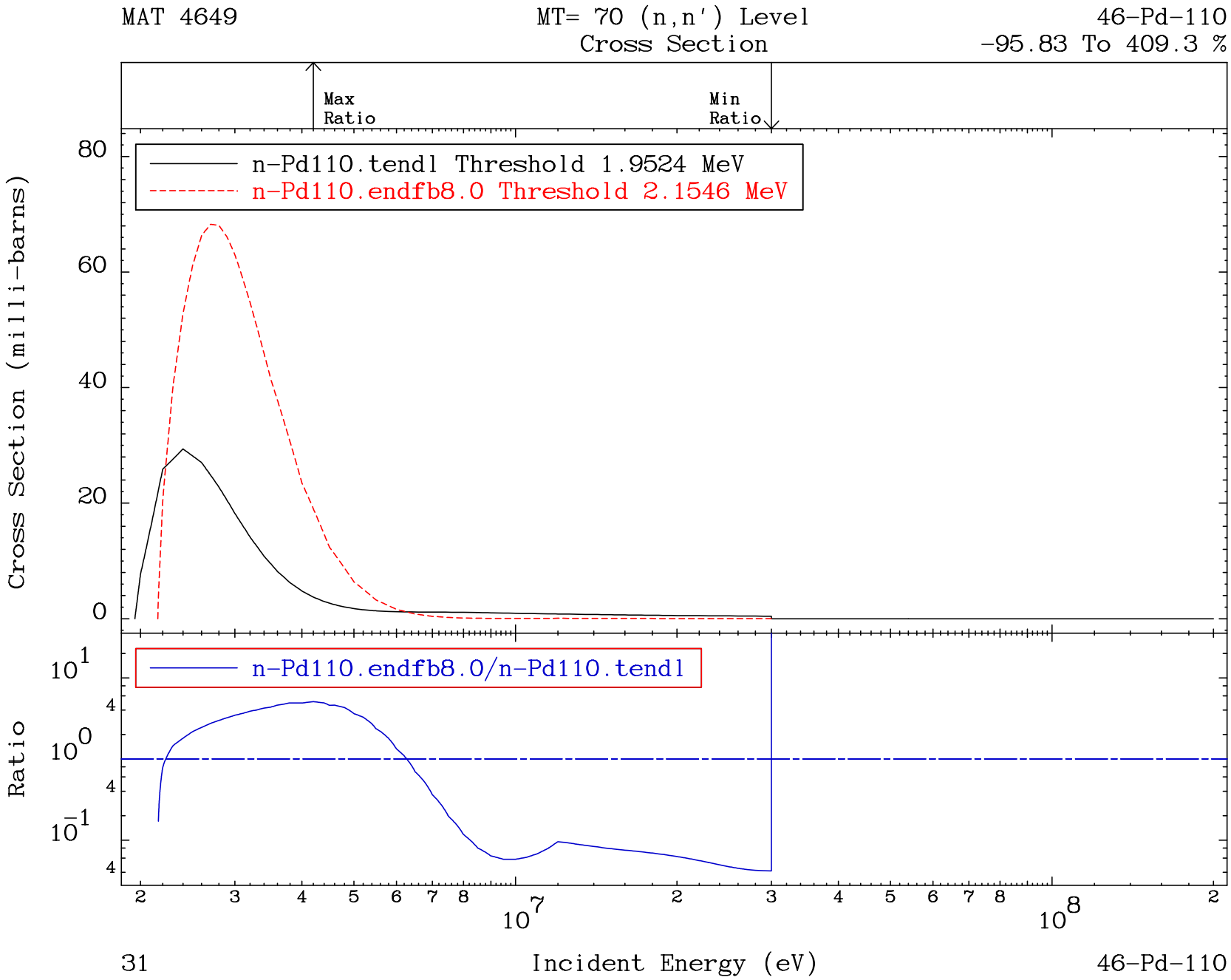

MAT 4649
MT= 65 (n,n') Level
Cross Section
46-Pd-110
-64.20 To 9999. %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 1.7755 MeV
n-Pd110.endfb8.0 Threshold 1.9176 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
46-Pd-110

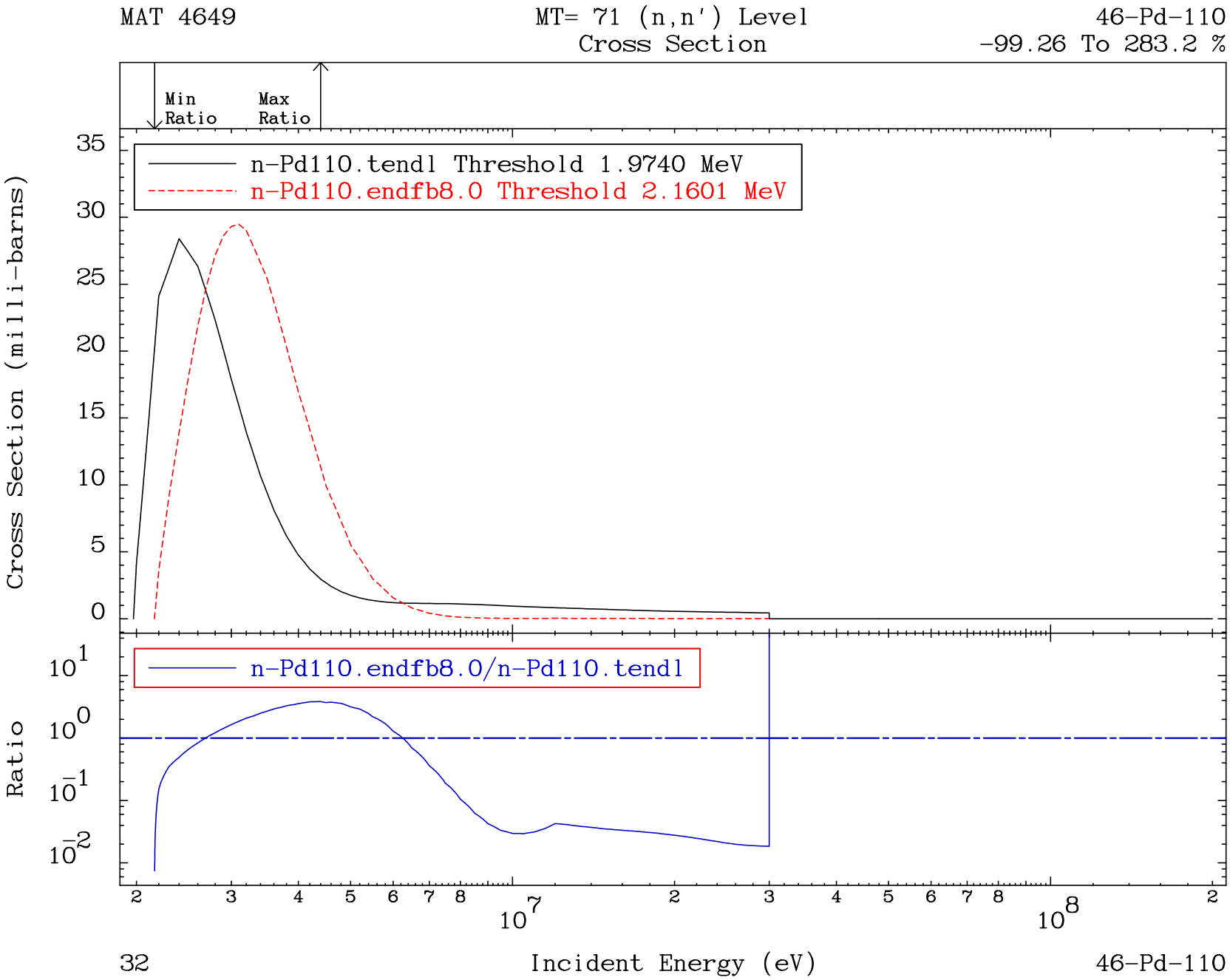

MAT 4649
MT= 66 (n,n') Level
Cross Section
46-Pd-110
-92.68 To 209.6 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.8811 MeV
n-Pd110.endfb8.0 Threshold 1.9522 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
4
10^0
4
10^{-1}
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
46-Pd-110

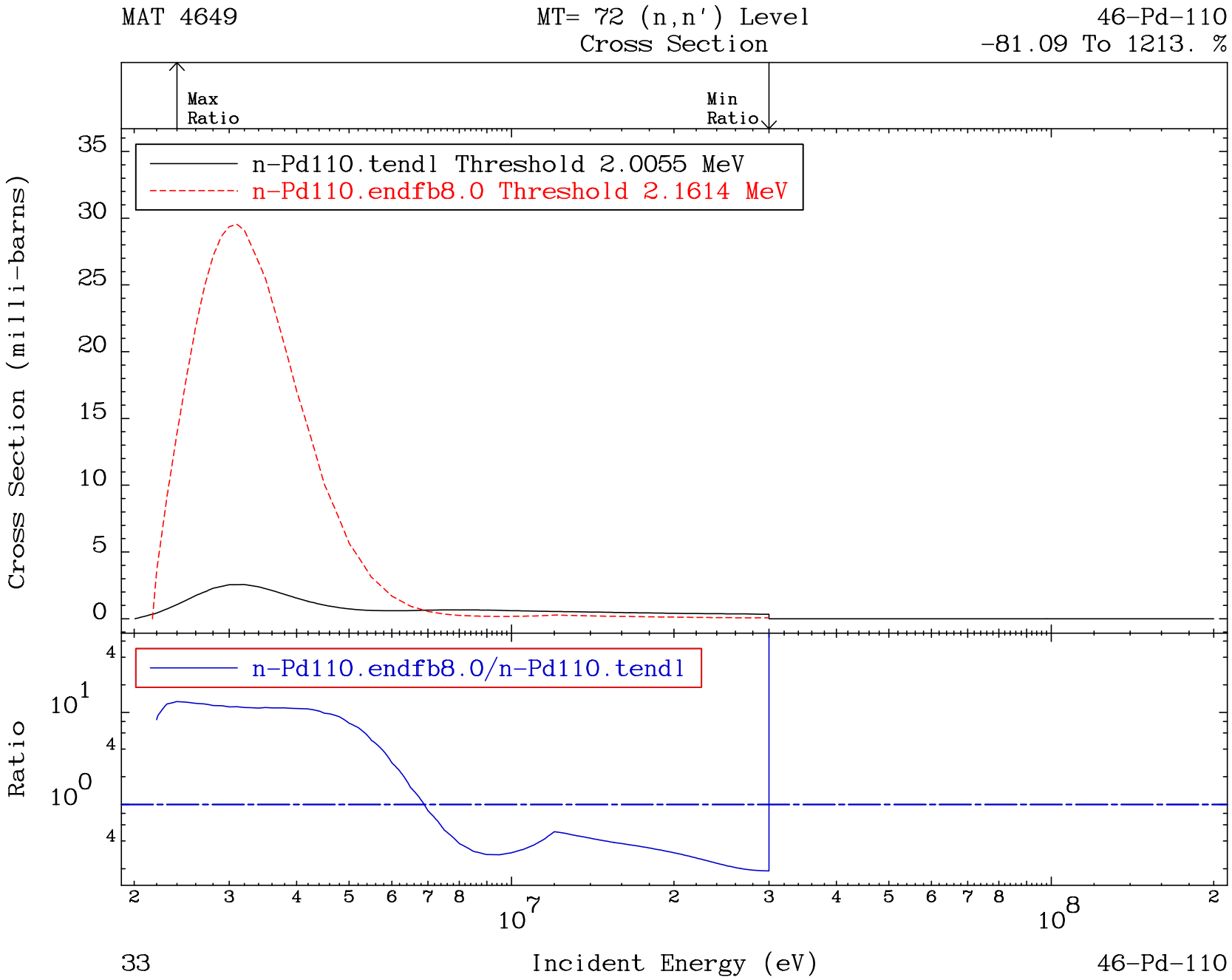

MAT 4649
MT= 67 (n,n') Level
Cross Section
46-Pd-110
-86.10 To 2335. %
Min
Ratio
Max
Ratio
n-Pd110.tendl Threshold 1.9071 MeV
n-Pd110.endfb8.0 Threshold 2.0564 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
10^7
10^8
28
Incident Energy (eV)
46-Pd-110

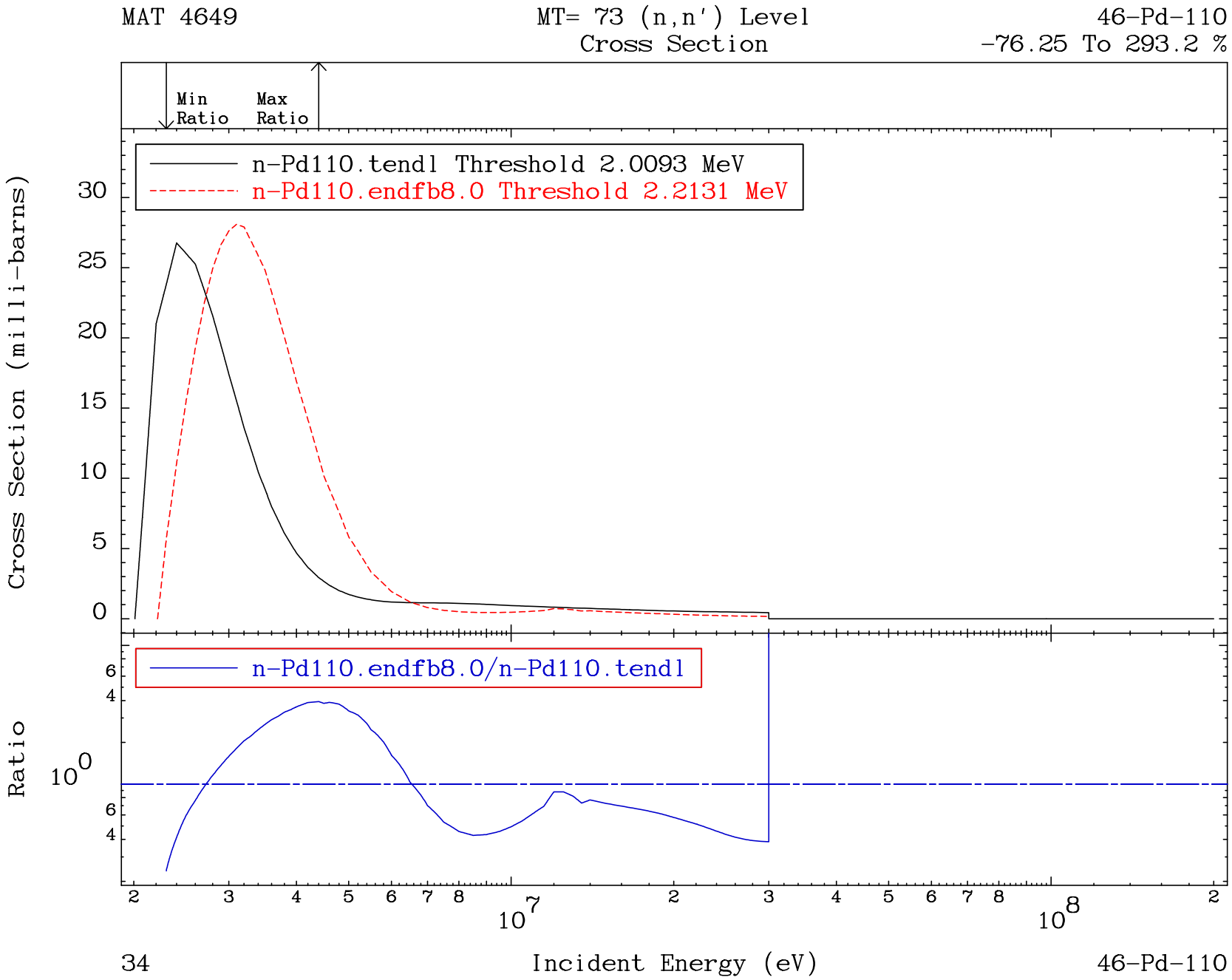

MAT 4649
MT= 68 (n,n') Level
Cross Section
46-Pd-110
-99.77 To 46.48 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.9175 MeV
n-Pd110.endfb8.0 Threshold 2.1114 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
46-Pd-110

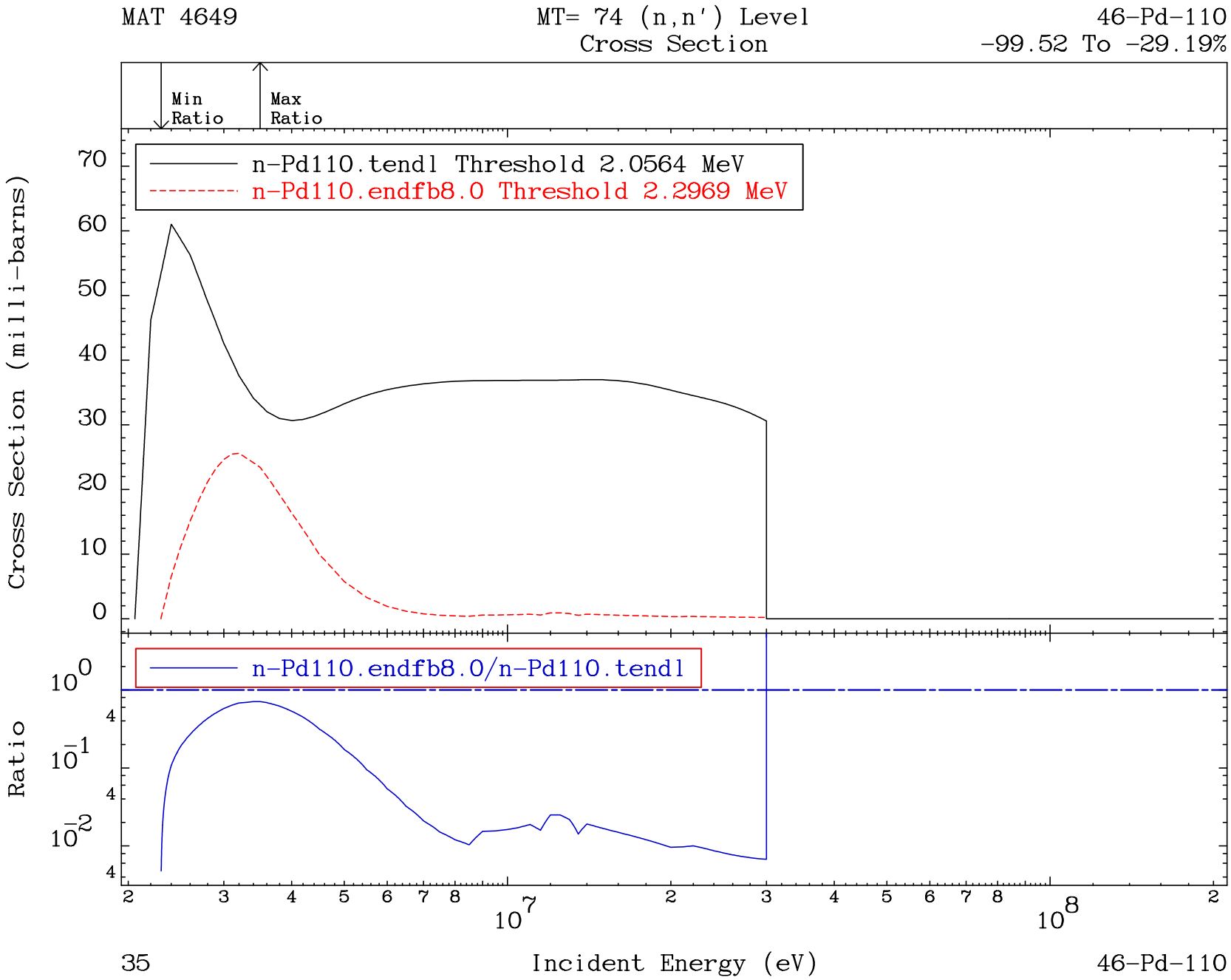

MAT 4649
MT= 69 (n,n') Level
Cross Section
46-Pd-110
-98.55 To 188.7 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.9352 MeV
n-Pd110.endfb8.0 Threshold 2.1448 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
46-Pd-110

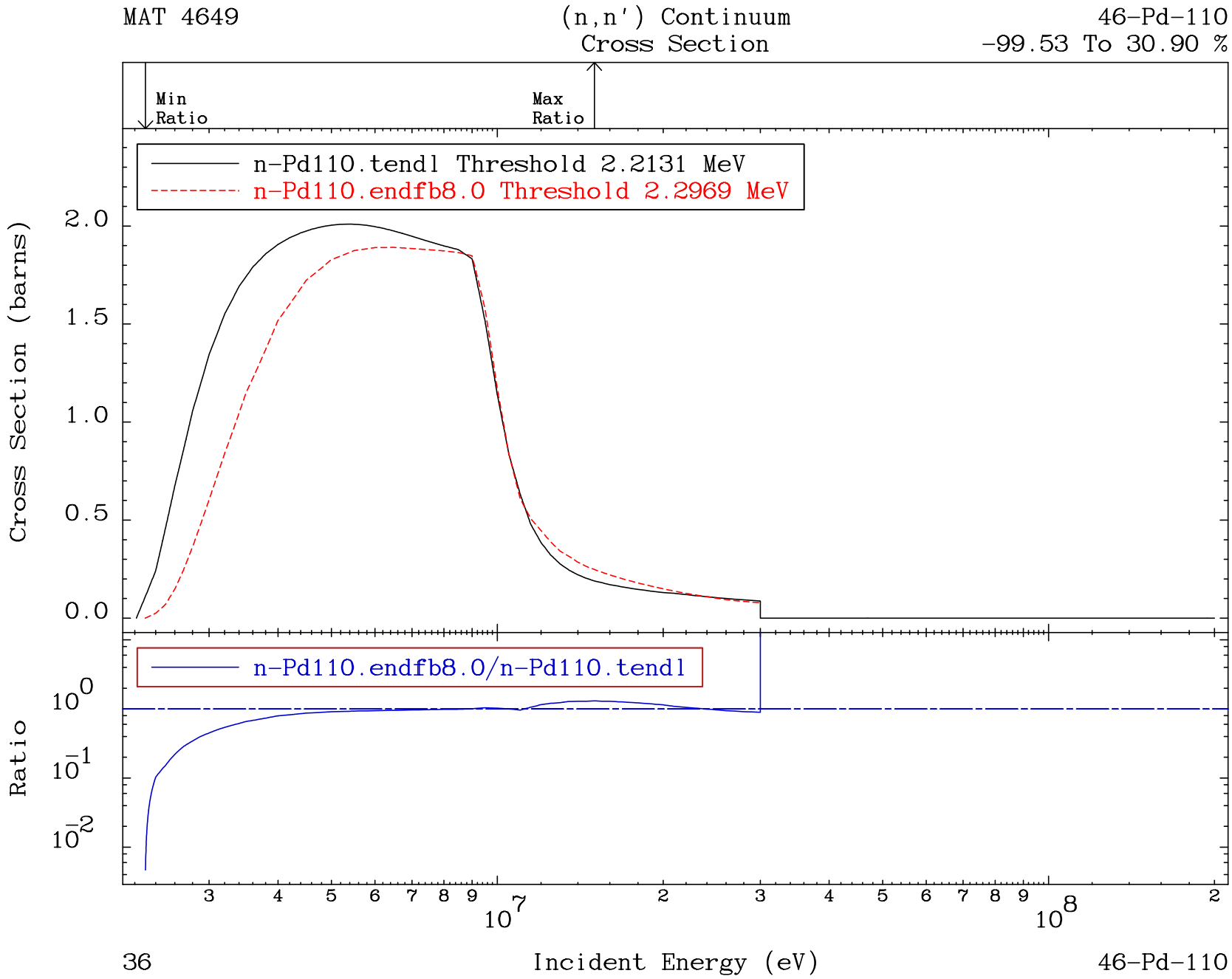

MAT 4649
MT= 70 (n,n') Level
Cross Section
46-Pd-110
-95.83 To 409.3 %
Max
Ratio
Min
Ratio
n-Pd110.tendl Threshold 1.9524 MeV
n-Pd110.endfb8.0 Threshold 2.1546 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
10^7
10^8
31
Incident Energy (eV)
46-Pd-110

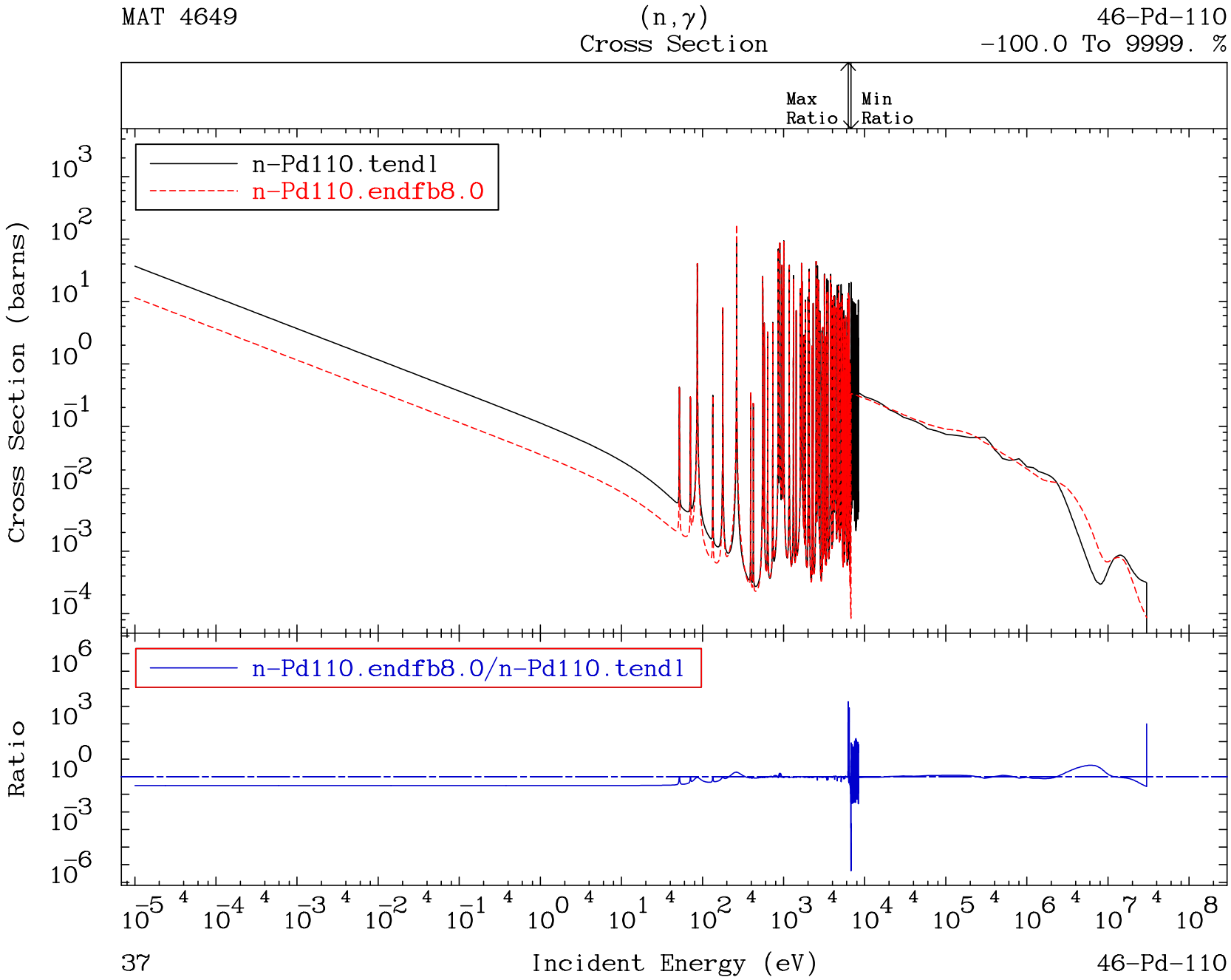

MAT 4649
MT= 71 (n,n') Level
Cross Section
46-Pd-110
-99.26 To 283.2 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 1.9740 MeV
n-Pd110.endfb8.0 Threshold 2.1601 MeV
Cross Section (milli-barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
32
46-Pd-110

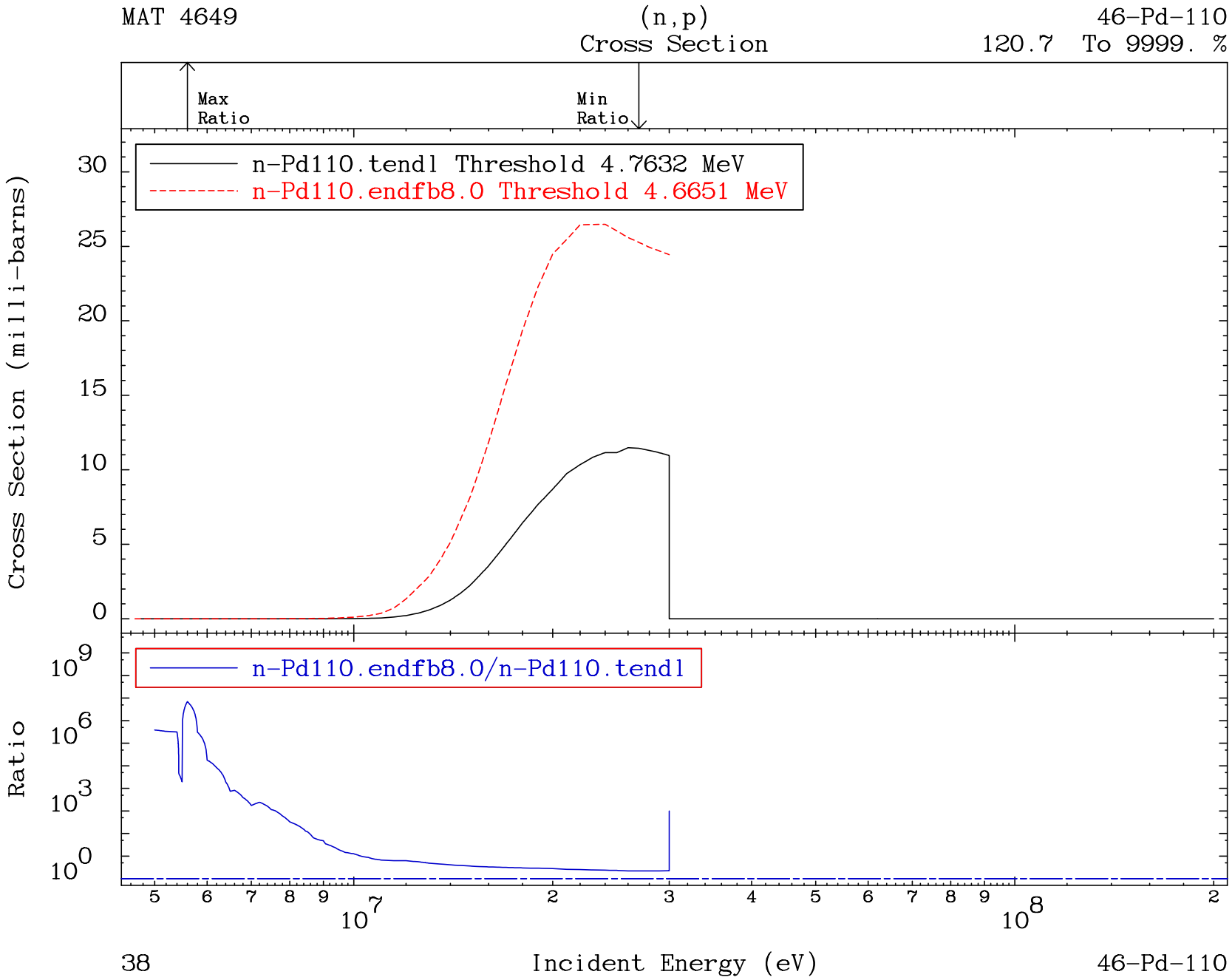

MAT 4649
MT= 72 (n,n') Level
Cross Section
46-Pd-110
-81.09 To 1213. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 2.0055 MeV
n-Pd110.endfb8.0 Threshold 2.1614 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^1
10^0
4
4
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
46-Pd-110

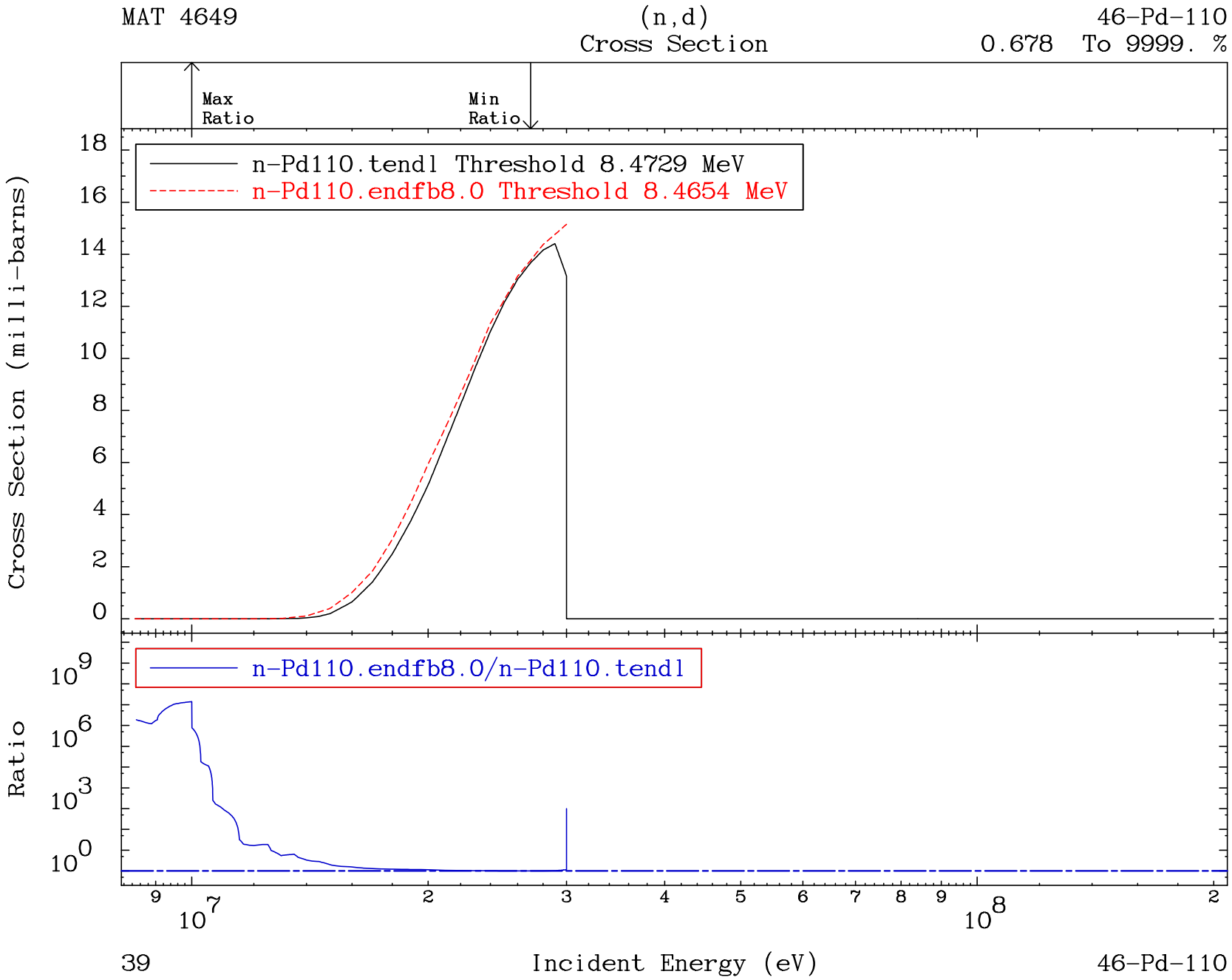

MAT 4649
MT= 73 (n,n') Level
Cross Section
46-Pd-110
-76.25 To 293.2 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 2.0093 MeV
n-Pd110.endfb8.0 Threshold 2.2131 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
6
4
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
46-Pd-110

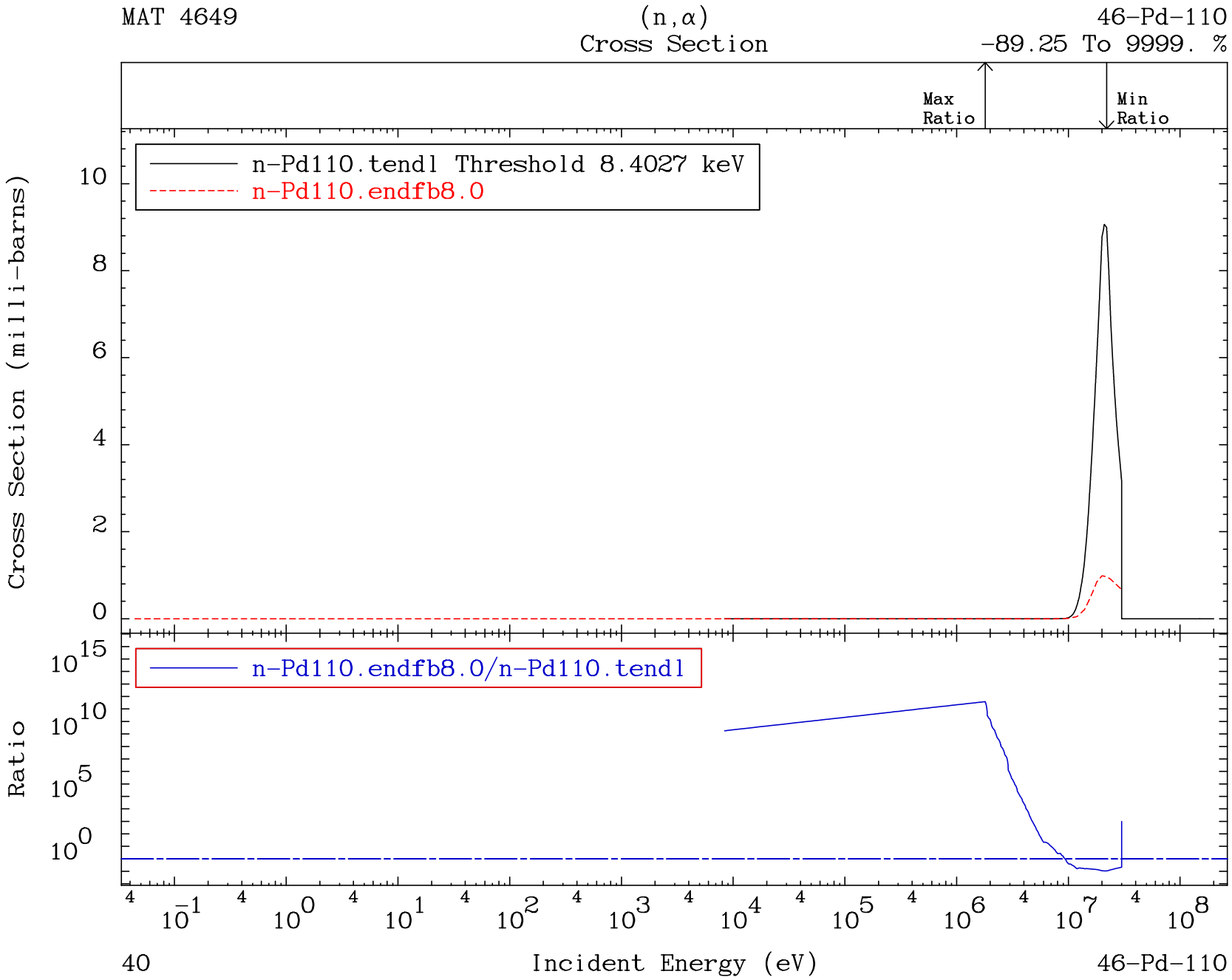

MAT 4649
MT= 74 (n,n') Level
Cross Section
46-Pd-110
-99.52 To -29.19%
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 2.0564 MeV
n-Pd110.endfb8.0 Threshold 2.2969 MeV
Cross Section (milli-barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
35
46-Pd-110

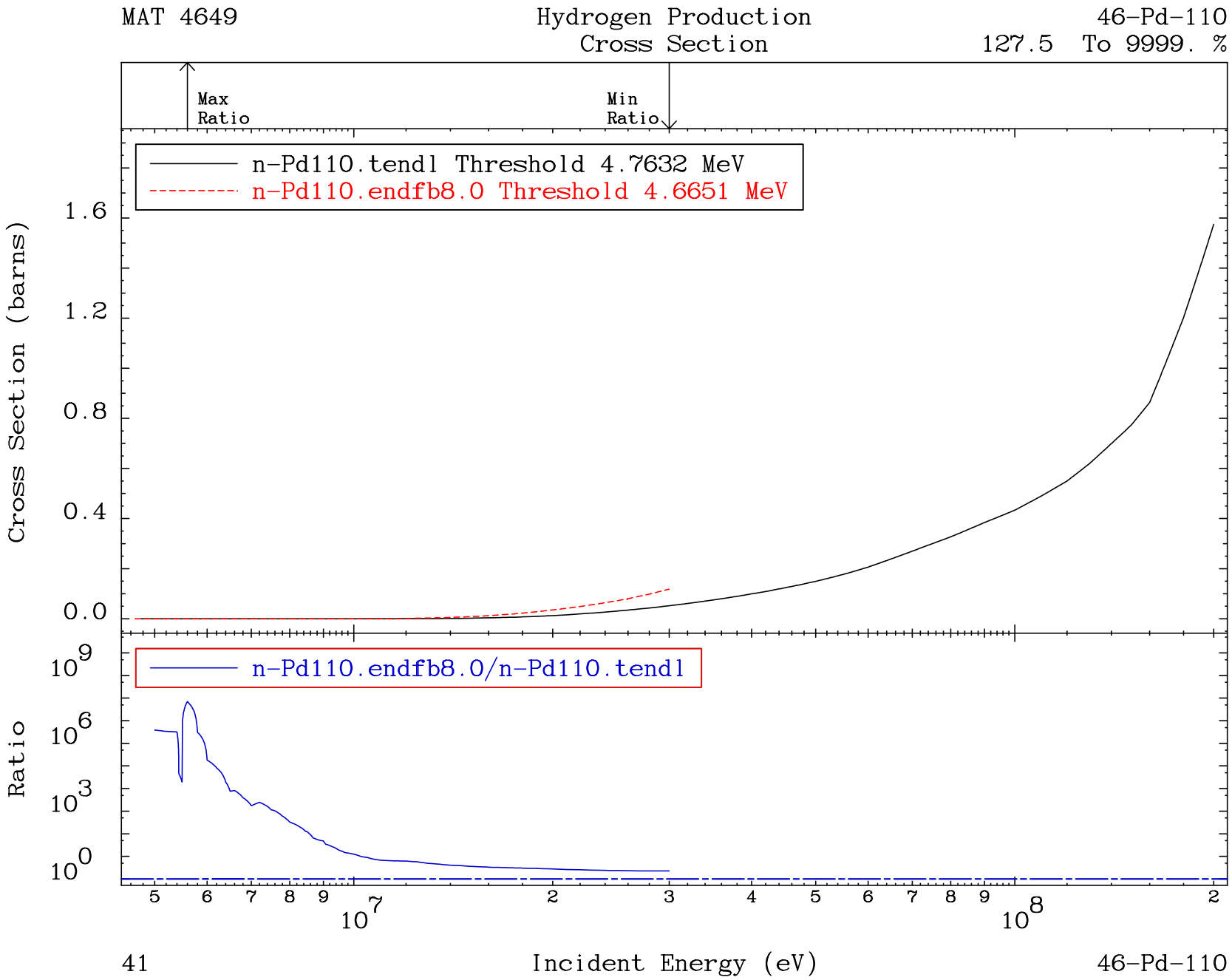

MAT 4649
(n,n') Continuum
Cross Section
46-Pd-110
-99.53 To 30.90 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 2.2131 MeV
n-Pd110.endfb8.0 Threshold 2.2969 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
46-Pd-110

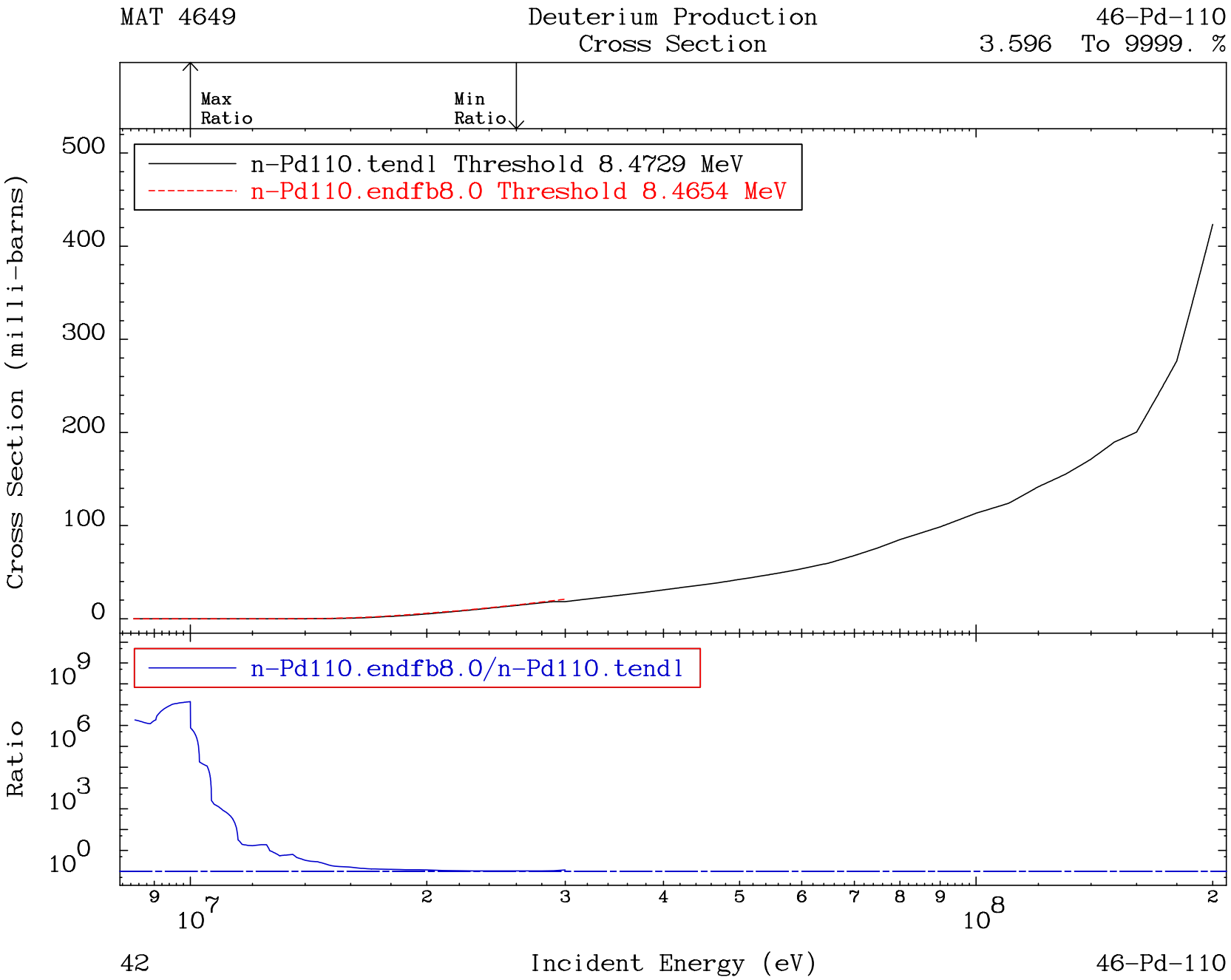

MAT 4649
(n,γ)
Cross Section
46-Pd-110
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
37
46-Pd-110

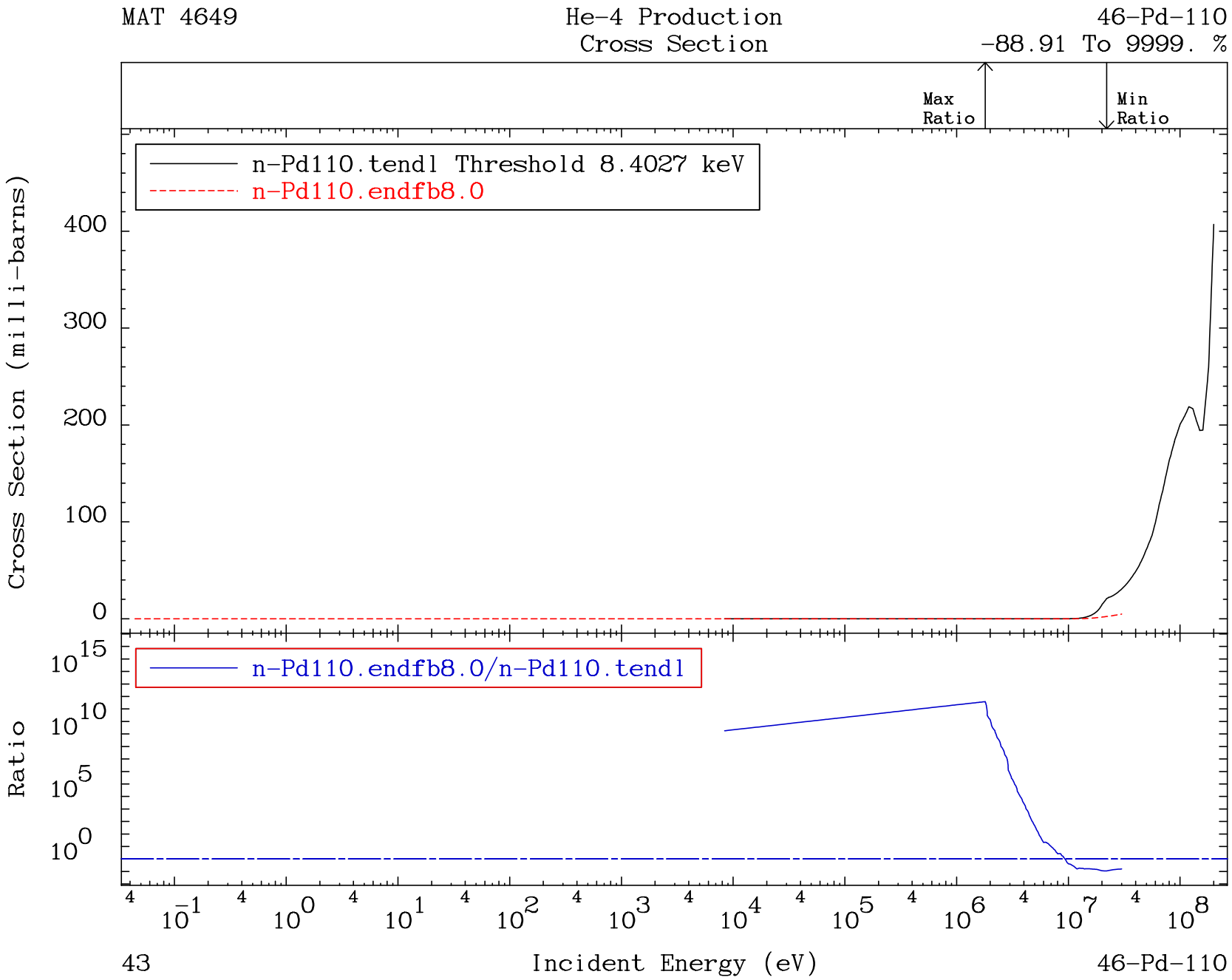

MAT 4649
(n,p)
Cross Section
46-Pd-110
120.7 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 4.7632 MeV
n-Pd110.endfb8.0 Threshold 4.6651 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
46-Pd-110

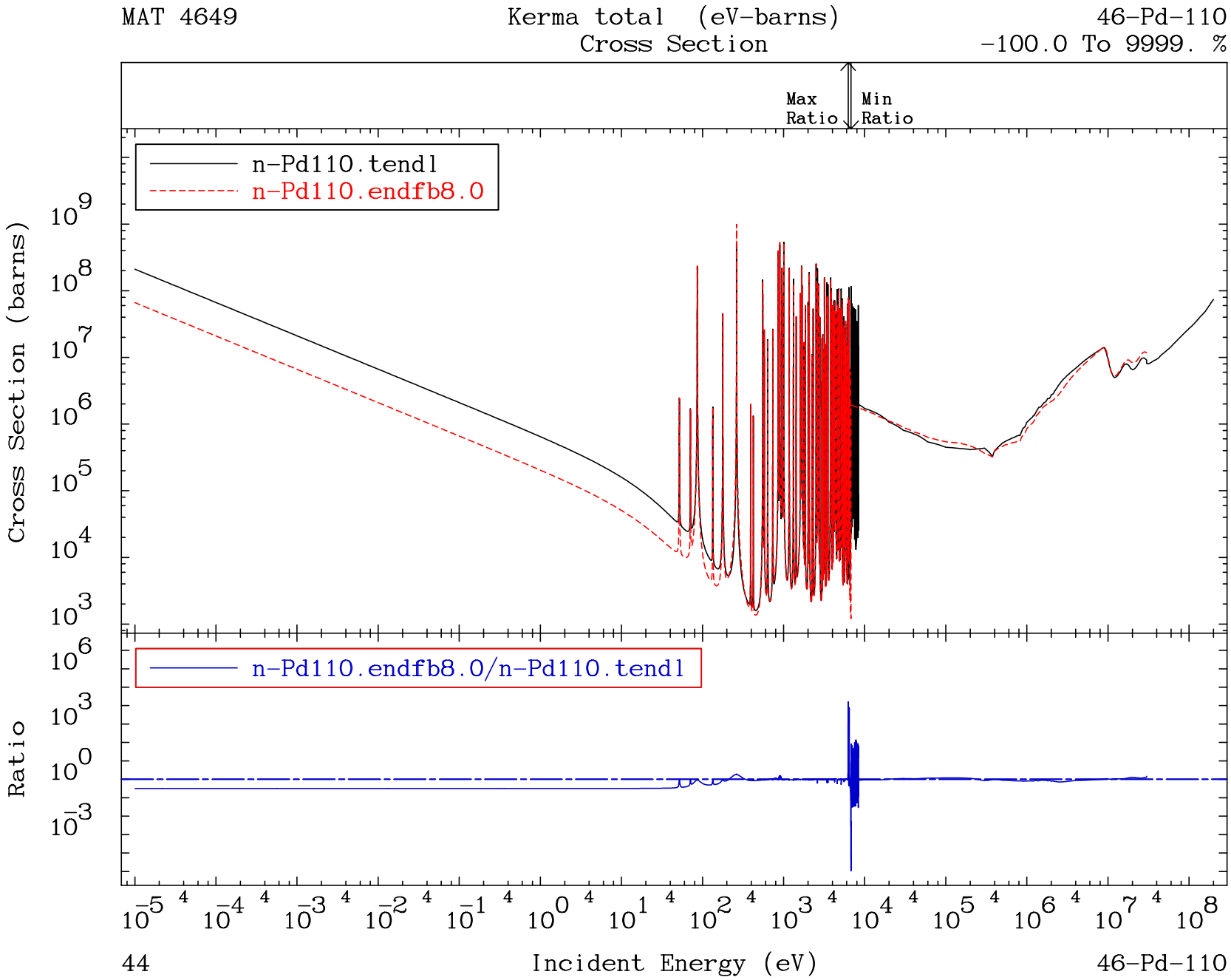

MAT 4649
(n,d)
Cross Section
46-Pd-110
0.678 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 8.4729 MeV
n-Pd110.endfb8.0 Threshold 8.4654 MeV
Cross Section (milli-barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
39
46-Pd-110

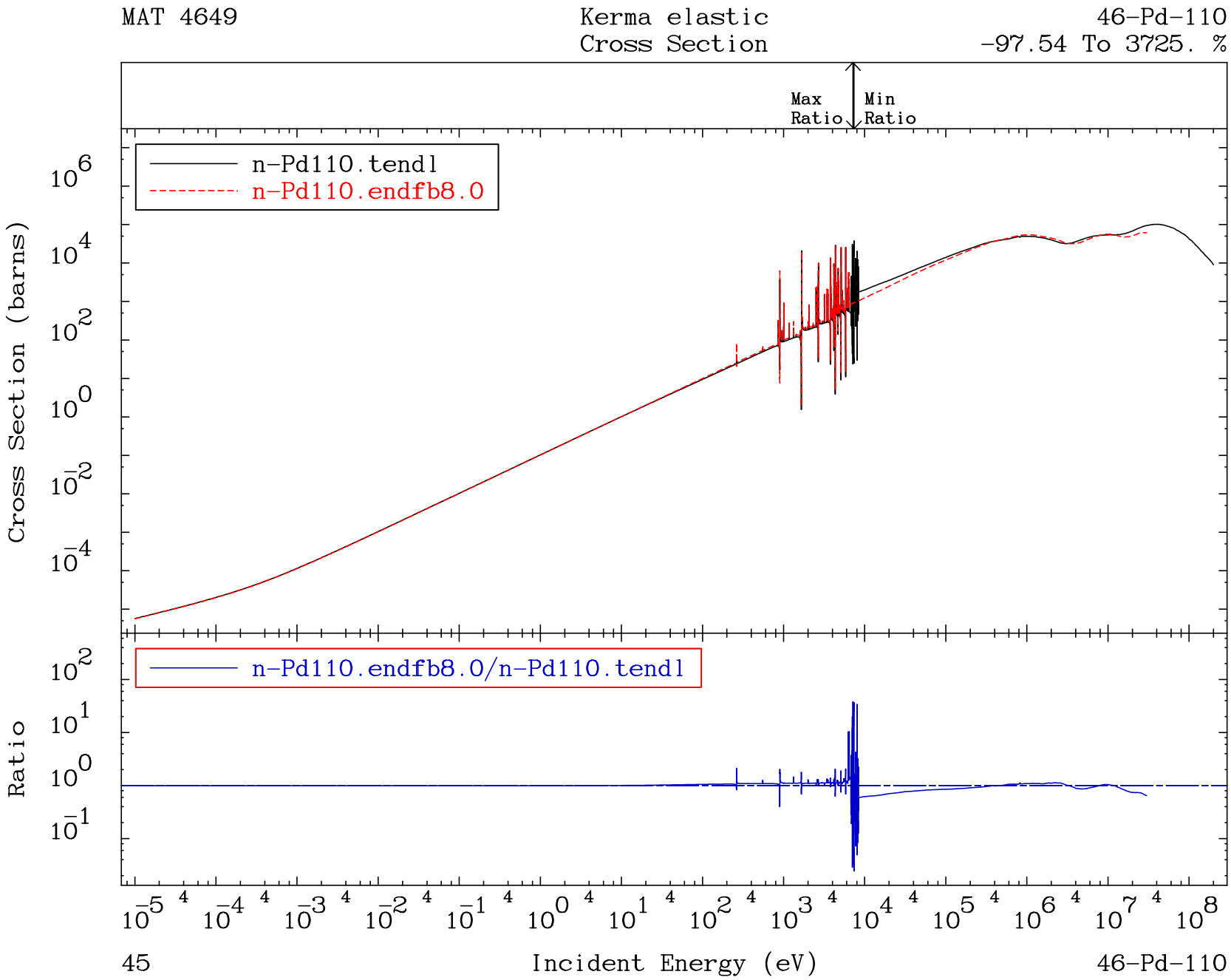

MAT 4649
(n,α)
Cross Section
46-Pd-110
-89.25 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 8.4027 keV
n-Pd110.endfb8.0
Cross Section (milli-barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
40
46-Pd-110

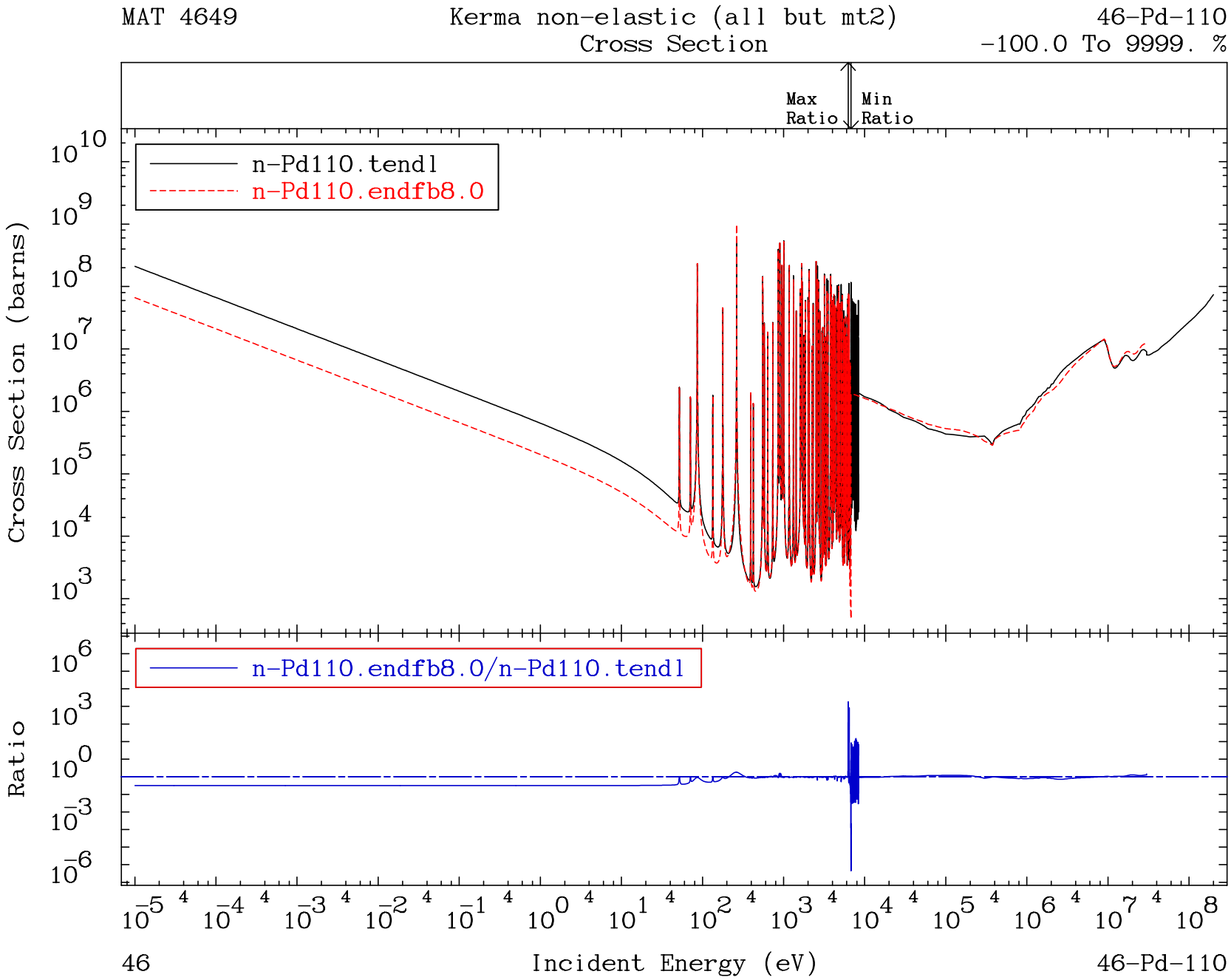

MAT 4649
Hydrogen Production
Cross Section
46-Pd-110
127.5 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 4.7632 MeV
n-Pd110.endfb8.0 Threshold 4.6651 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
46-Pd-110

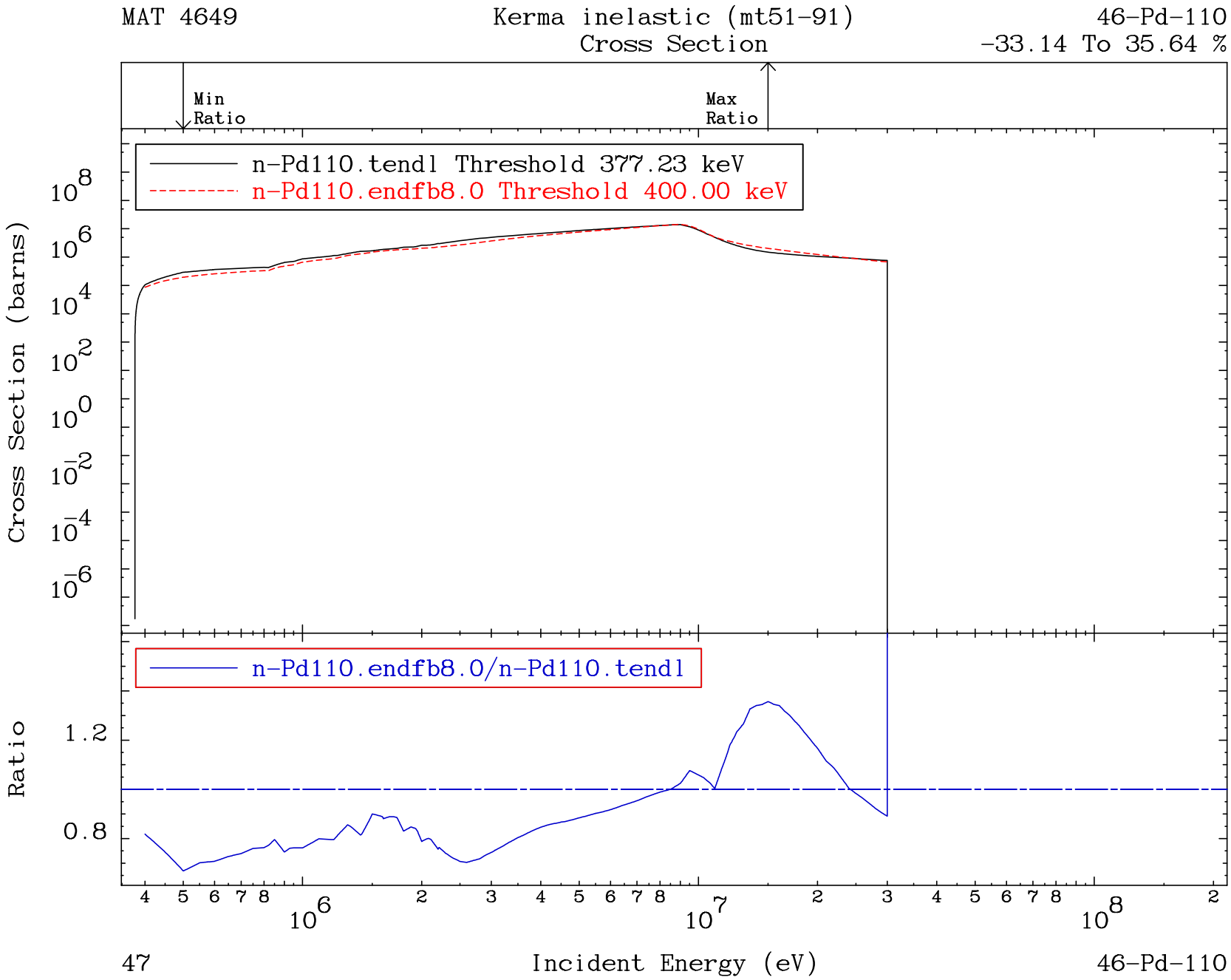

MAT 4649
Deuterium Production
Cross Section
46-Pd-110
3.596 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 8.4729 MeV
n-Pd110.endfb8.0 Threshold 8.4654 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^9
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
46-Pd-110

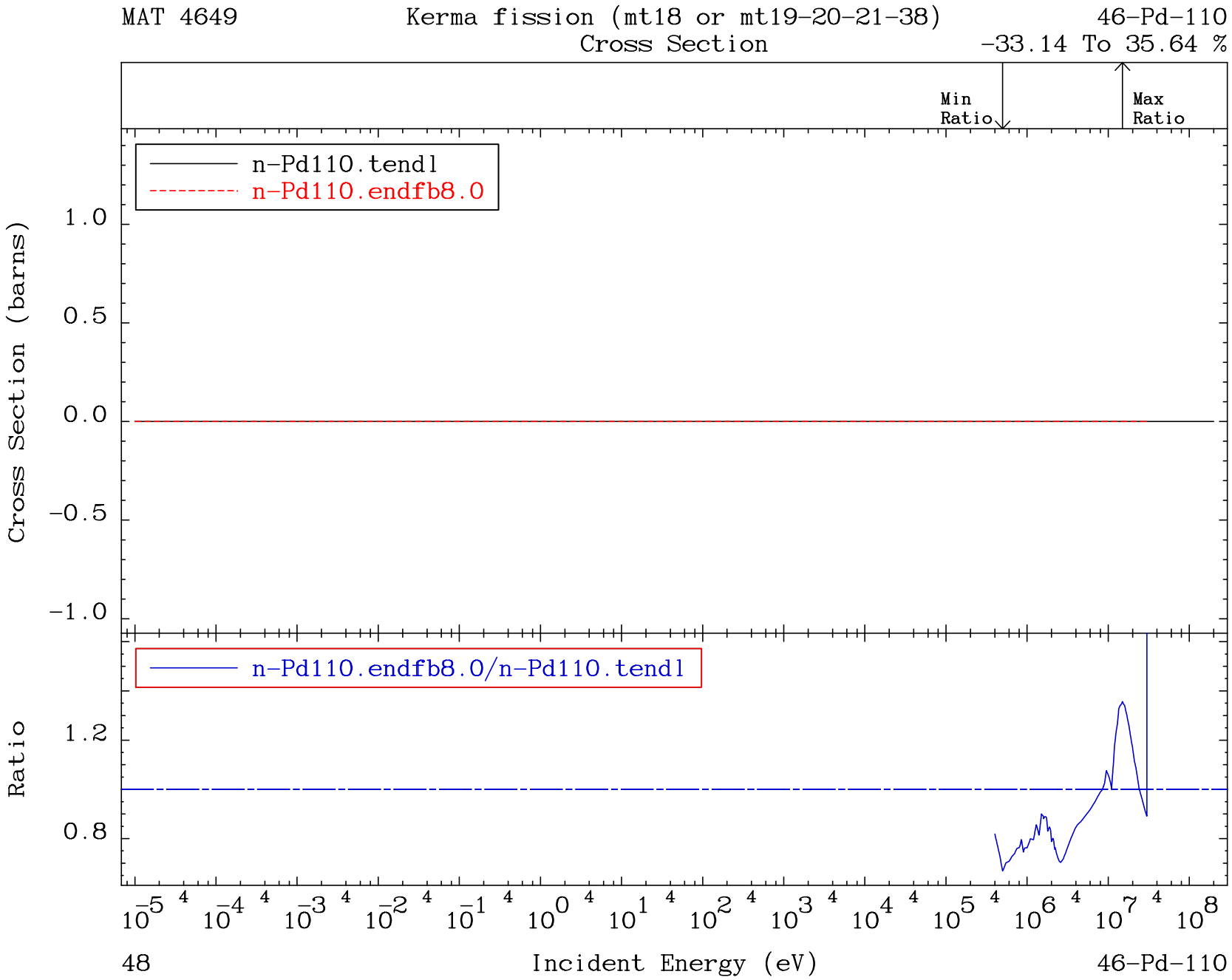

MAT 4649
He-4 Production
Cross Section
46-Pd-110
-88.91 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 8.4027 keV
n-Pd110.endfb8.0
Cross Section (milli-barns)
400
300
200
100
0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^15
10^10
10^5
10^0
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
43
Incident Energy (eV)
46-Pd-110

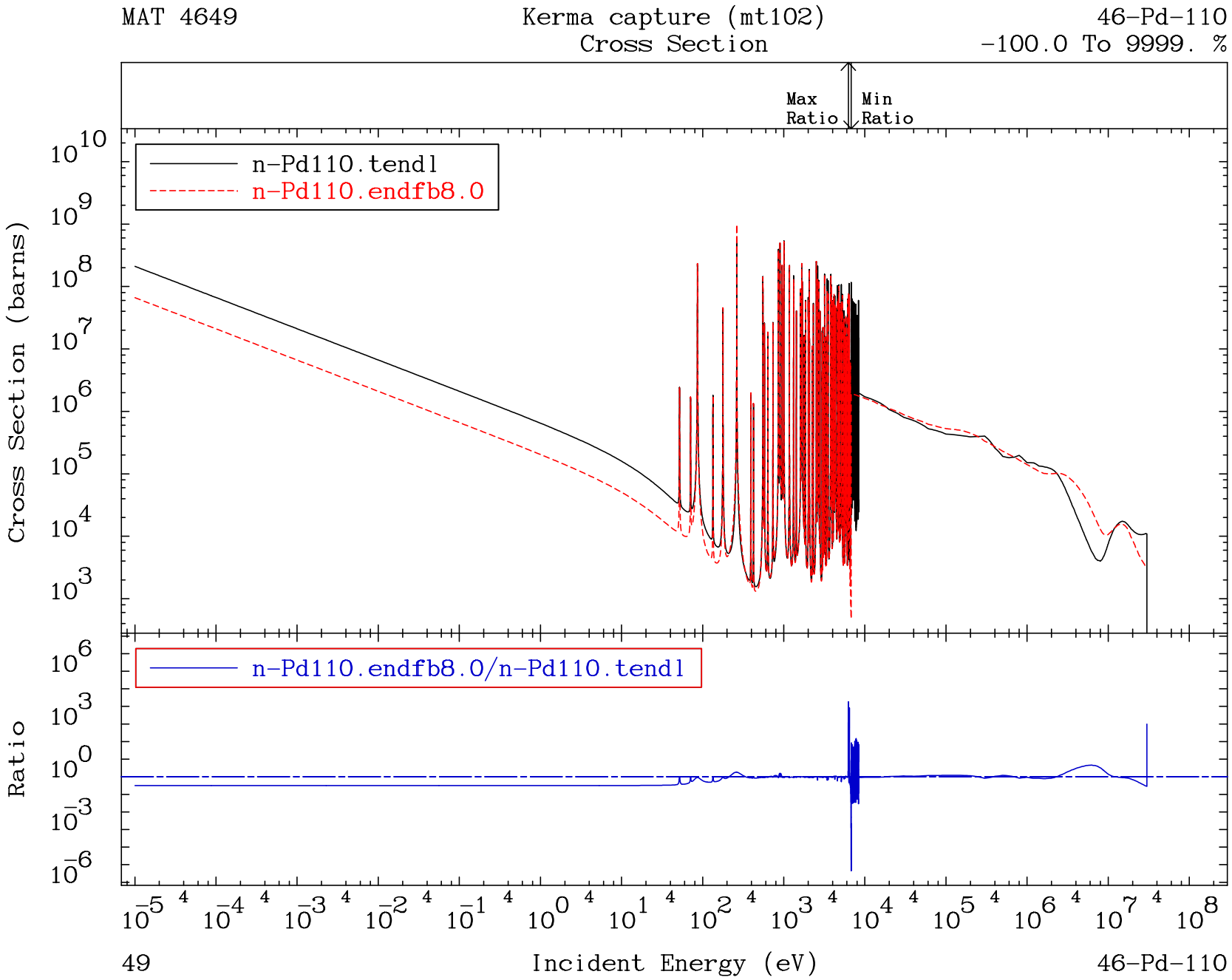

MAT 4649
Kerma total (eV-barns)
Cross Section
46-Pd-110
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
44
46-Pd-110

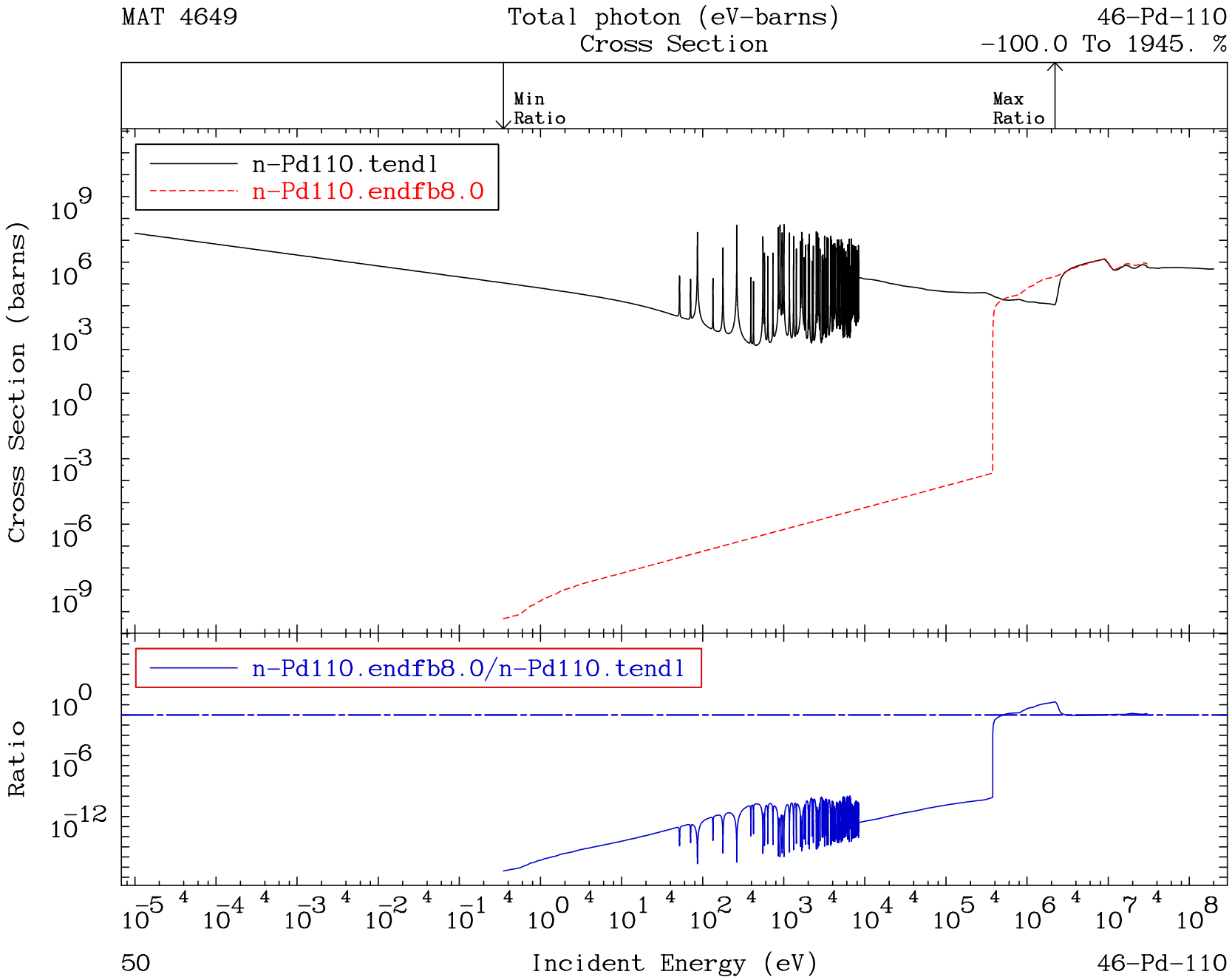

MAT 4649
Kerma elastic
Cross Section
46-Pd-110
-97.54 To 3725. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
45
46-Pd-110

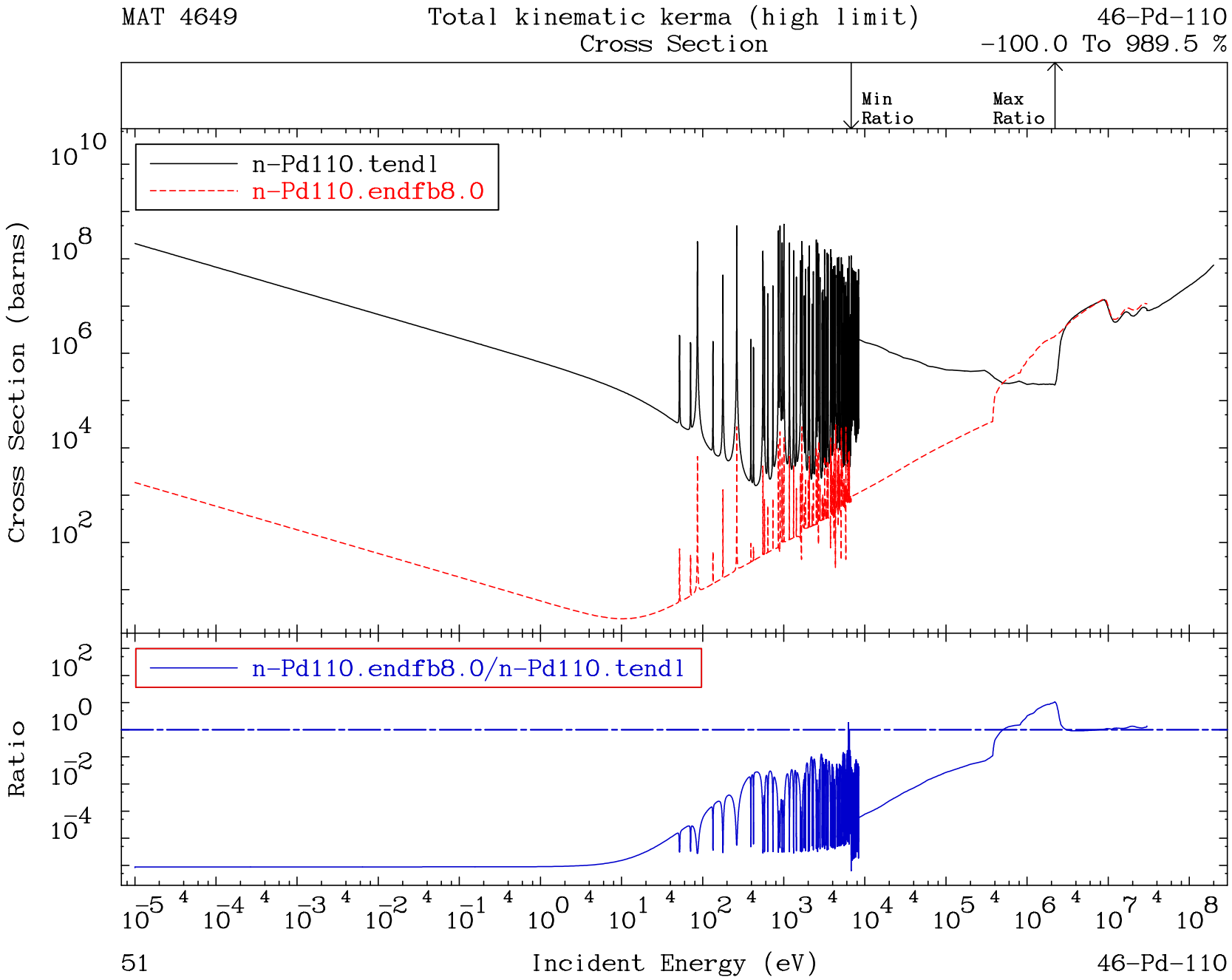

MAT 4649
Kerma non-elastic (all but mt2)
Cross Section
46-Pd-110
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
46
46-Pd-110

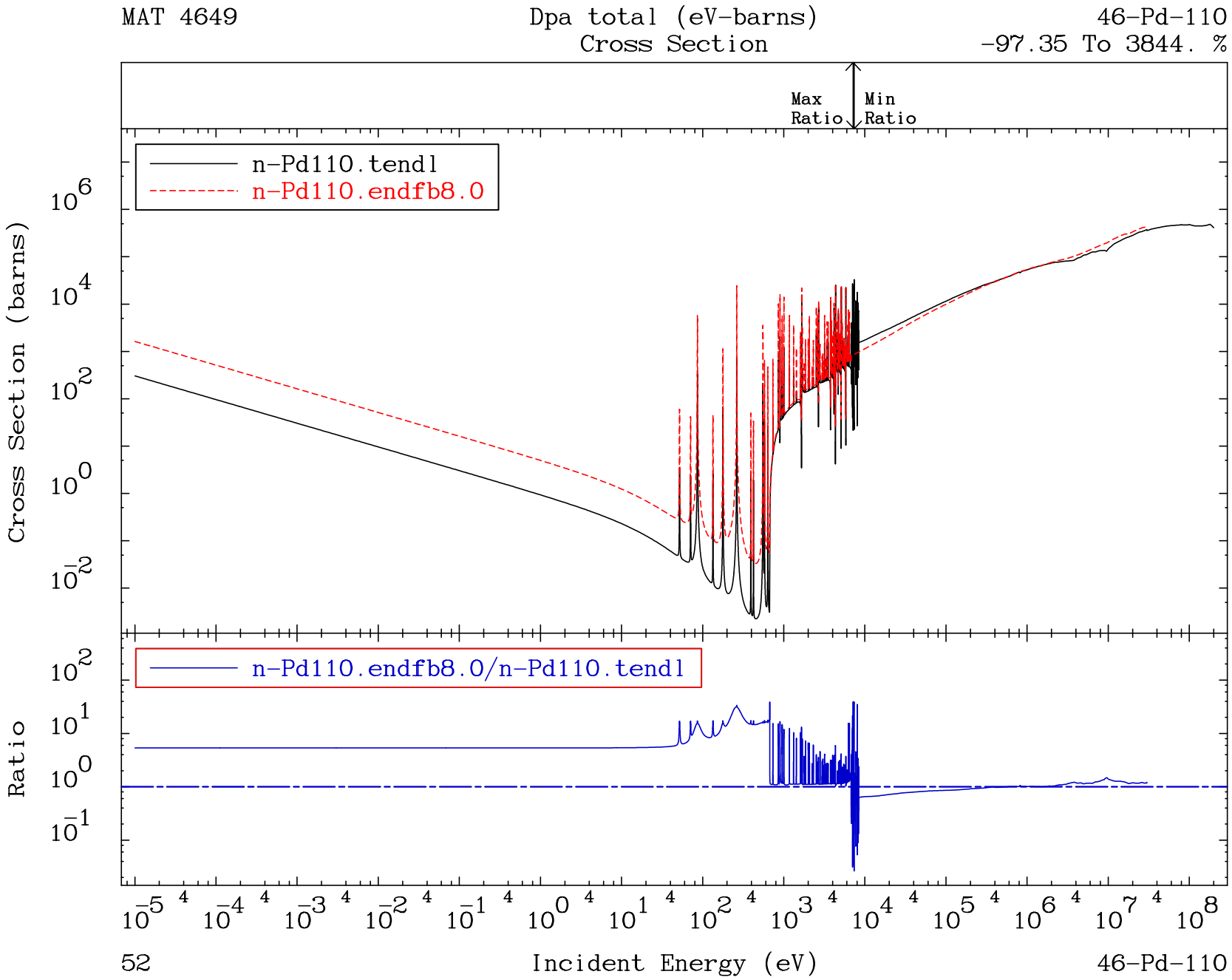

MAT 4649
Kerma inelastic (mt51-91)
Cross Section
46-Pd-110
-33.14 To 35.64 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 377.23 keV
n-Pd110.endfb8.0 Threshold 400.00 keV
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
47
46-Pd-110

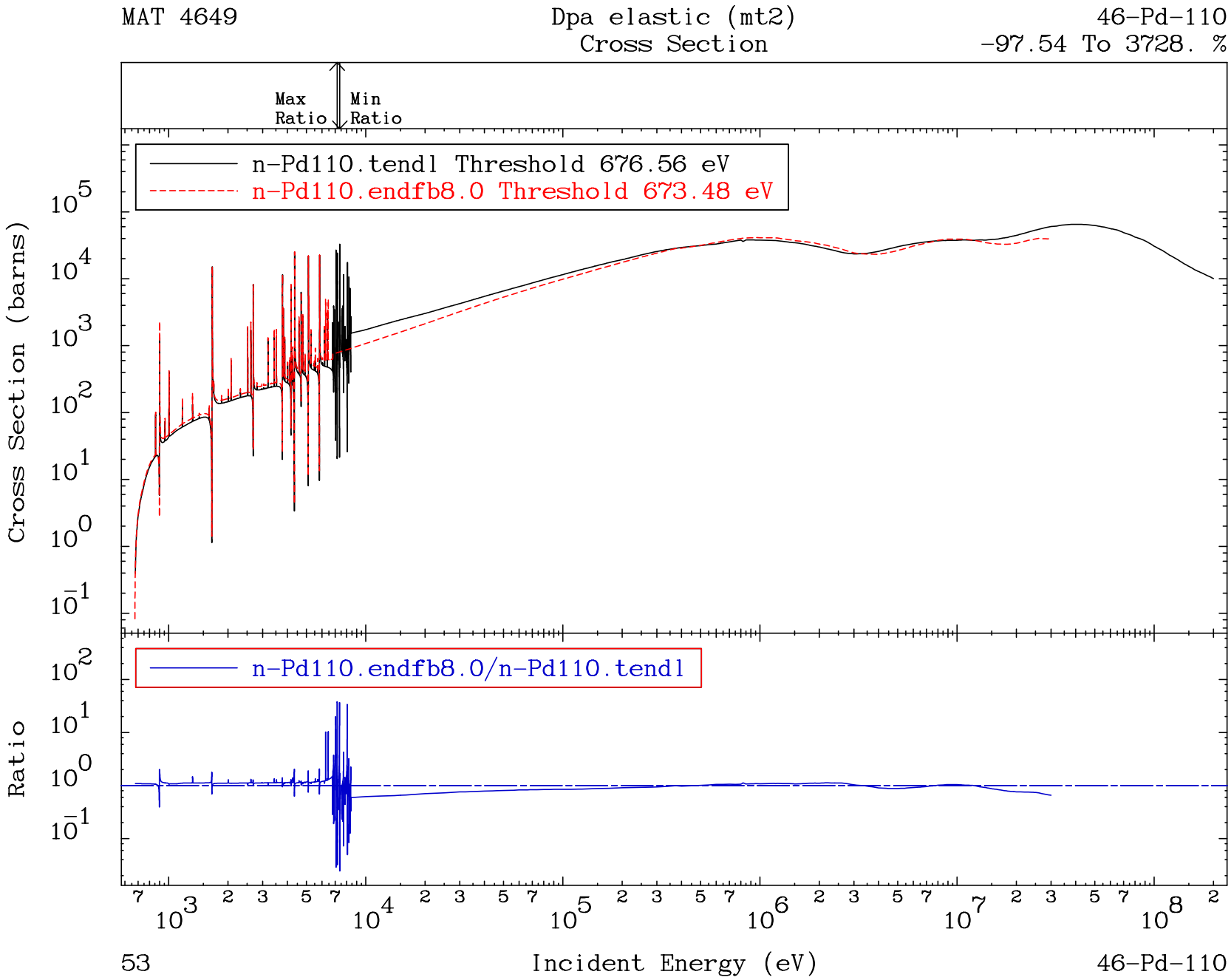

MAT 4649
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
46-Pd-110
-33.14 To 35.64 %
Min Ratio
Max Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
1.2
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
46-Pd-110

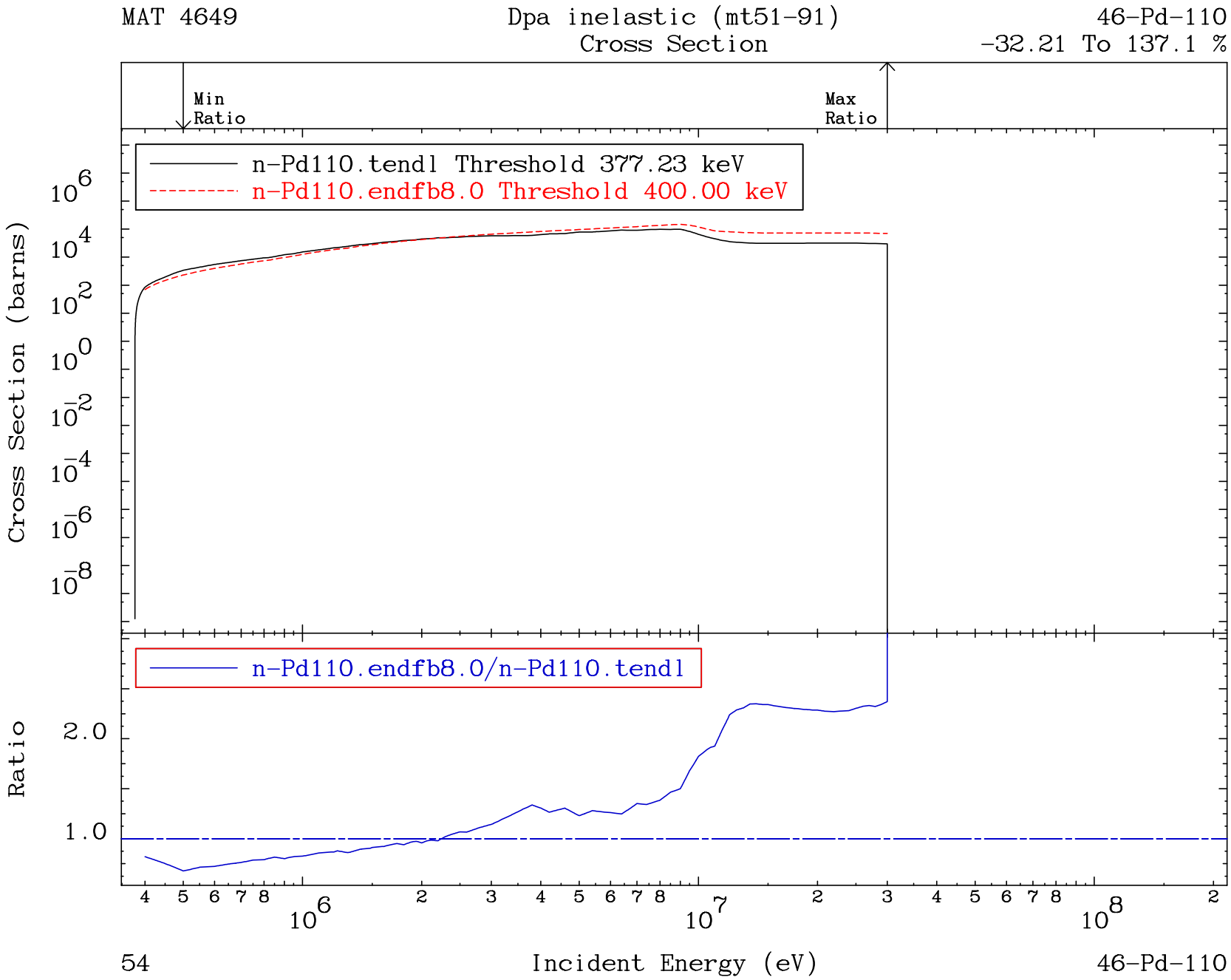

MAT 4649
Kerma capture (mt102)
Cross Section
46-Pd-110
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
49
Incident Energy (eV)
46-Pd-110

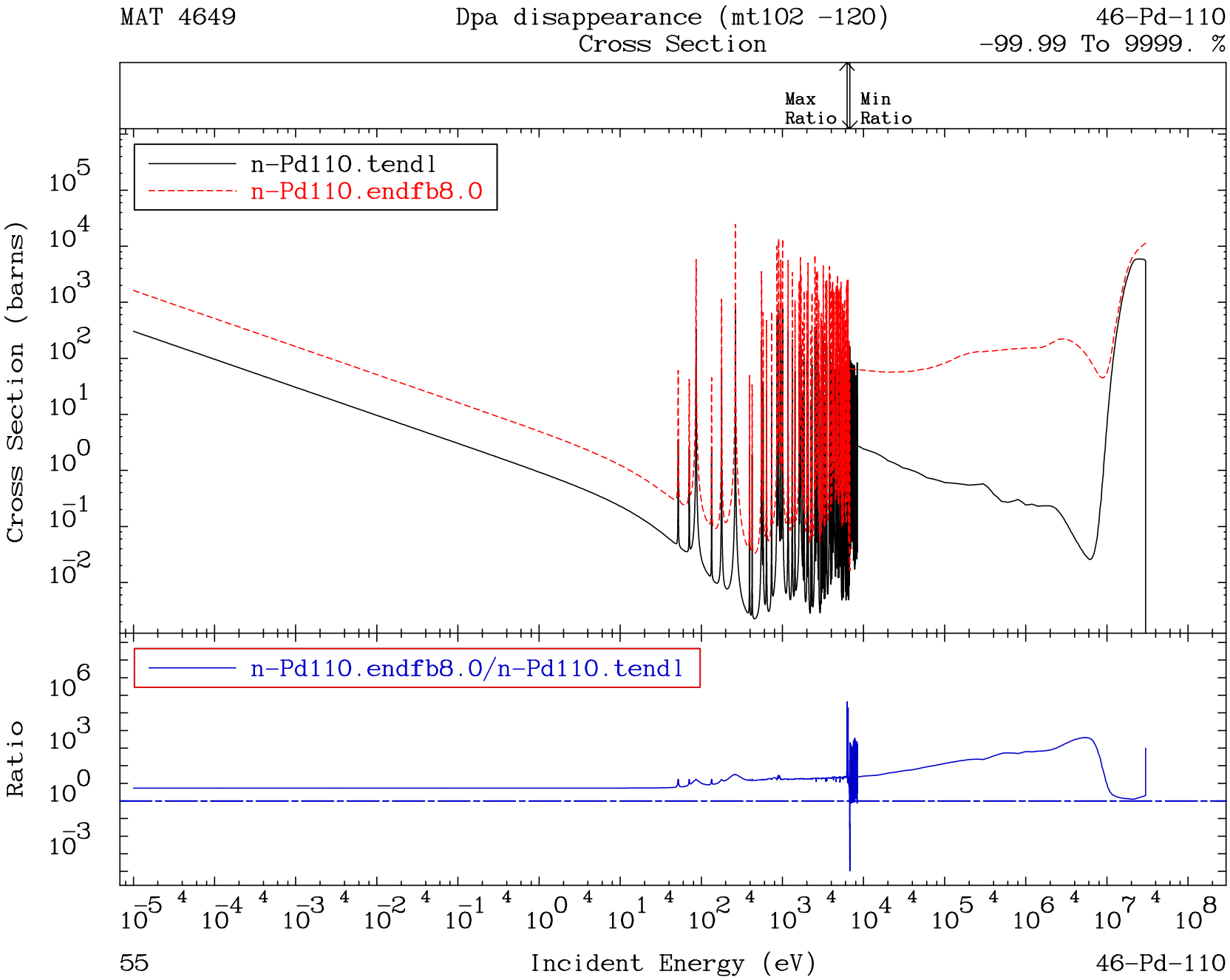

MAT 4649
Total photon (eV-barns)
Cross Section
46-Pd-110
-100.0 To 1945. %
Min
Ratio
Max
Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
10^9
10^6
10^3
10^0
10^-3
10^-6
10^-9
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
10^0
10^-6
10^-12
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
46-Pd-110


MAT 4649
Total kinematic kerma (high limit)
Cross Section
46-Pd-110
-100.0 To 989.5 %
Min Ratio
Max Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
51
46-Pd-110


MAT 4649
Dpa total (eV-barns)
Cross Section
46-Pd-110
-97.35 To 3844. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
52
46-Pd-110


MAT 4649
Dpa elastic (mt2)
Cross Section
46-Pd-110
-97.54 To 3728. %
Max Ratio
Min Ratio
n-Pd110.tendl Threshold 676.56 eV
n-Pd110.endfb8.0 Threshold 673.48 eV
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
53
46-Pd-110


MAT 4649
Dpa inelastic (mt51-91)
Cross Section
46-Pd-110
-32.21 To 137.1 %
Min Ratio
Max Ratio
n-Pd110.tendl Threshold 377.23 keV
n-Pd110.endfb8.0 Threshold 400.00 keV
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
Incident Energy (eV)
54
46-Pd-110


MAT 4649
Dpa disappearance (mt102 -120)
Cross Section
46-Pd-110
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Pd110.tendl
n-Pd110.endfb8.0
Cross Section (barns)
n-Pd110.endfb8.0/n-Pd110.tendl
Ratio
55
Incident Energy (eV)
46-Pd-110