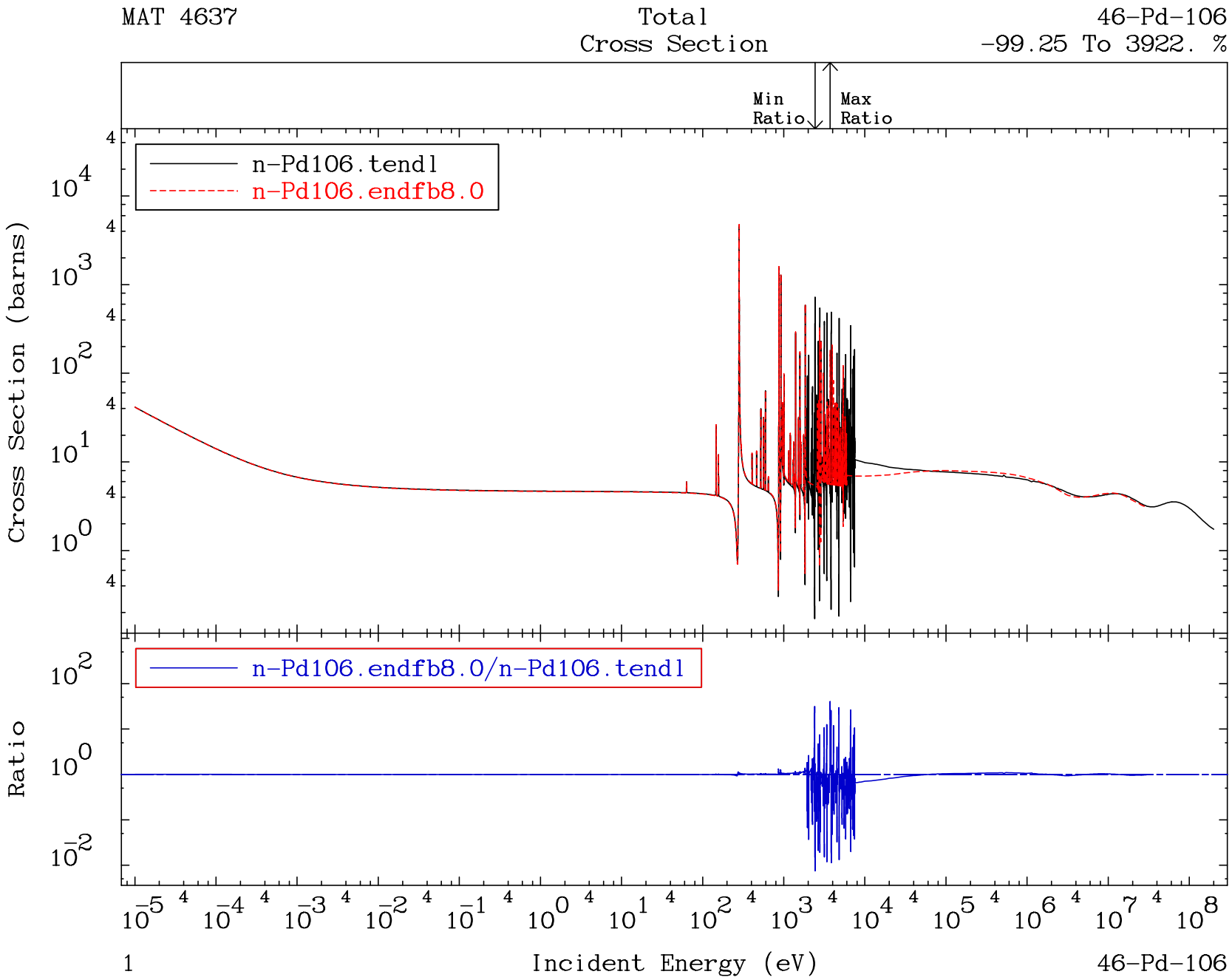
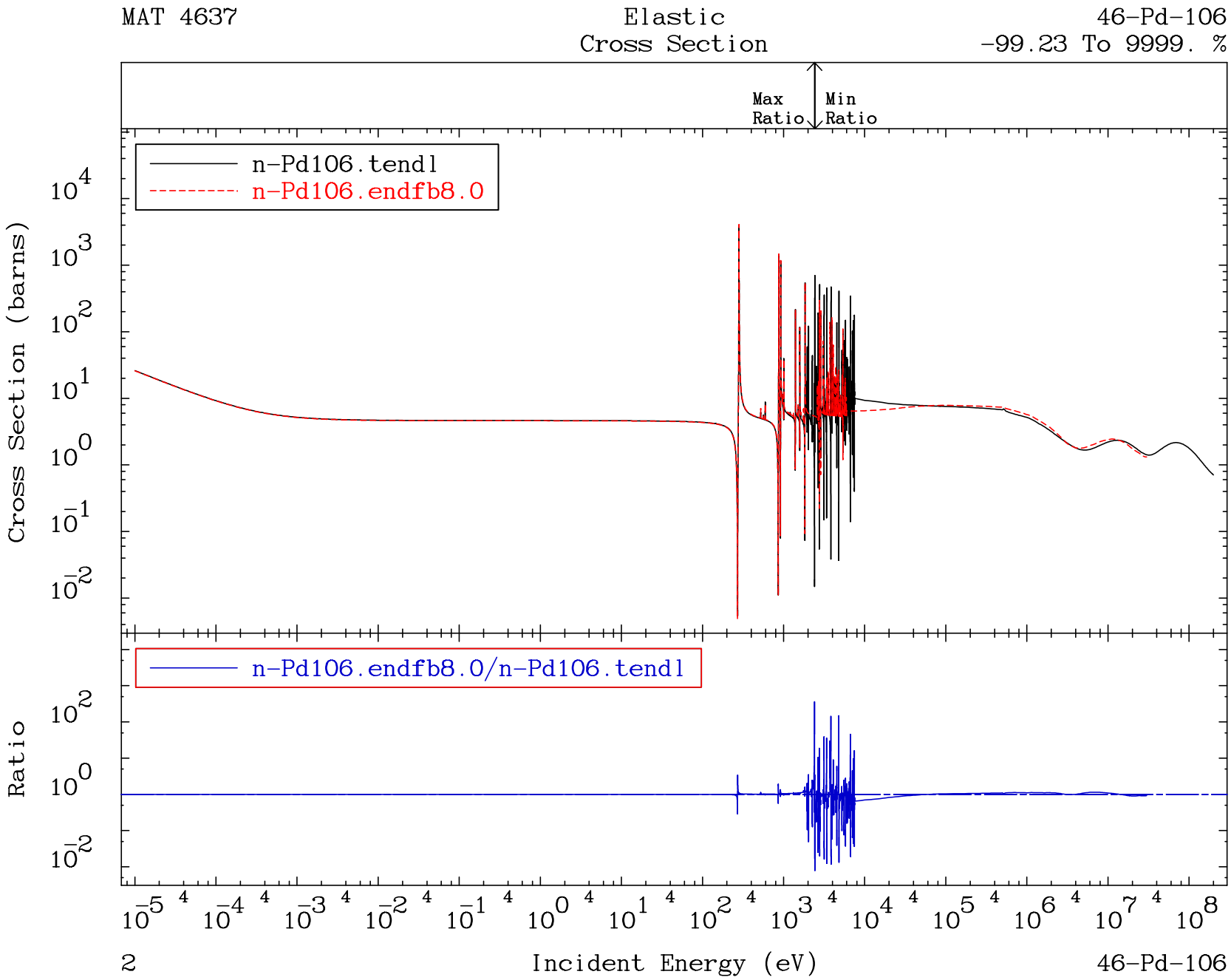
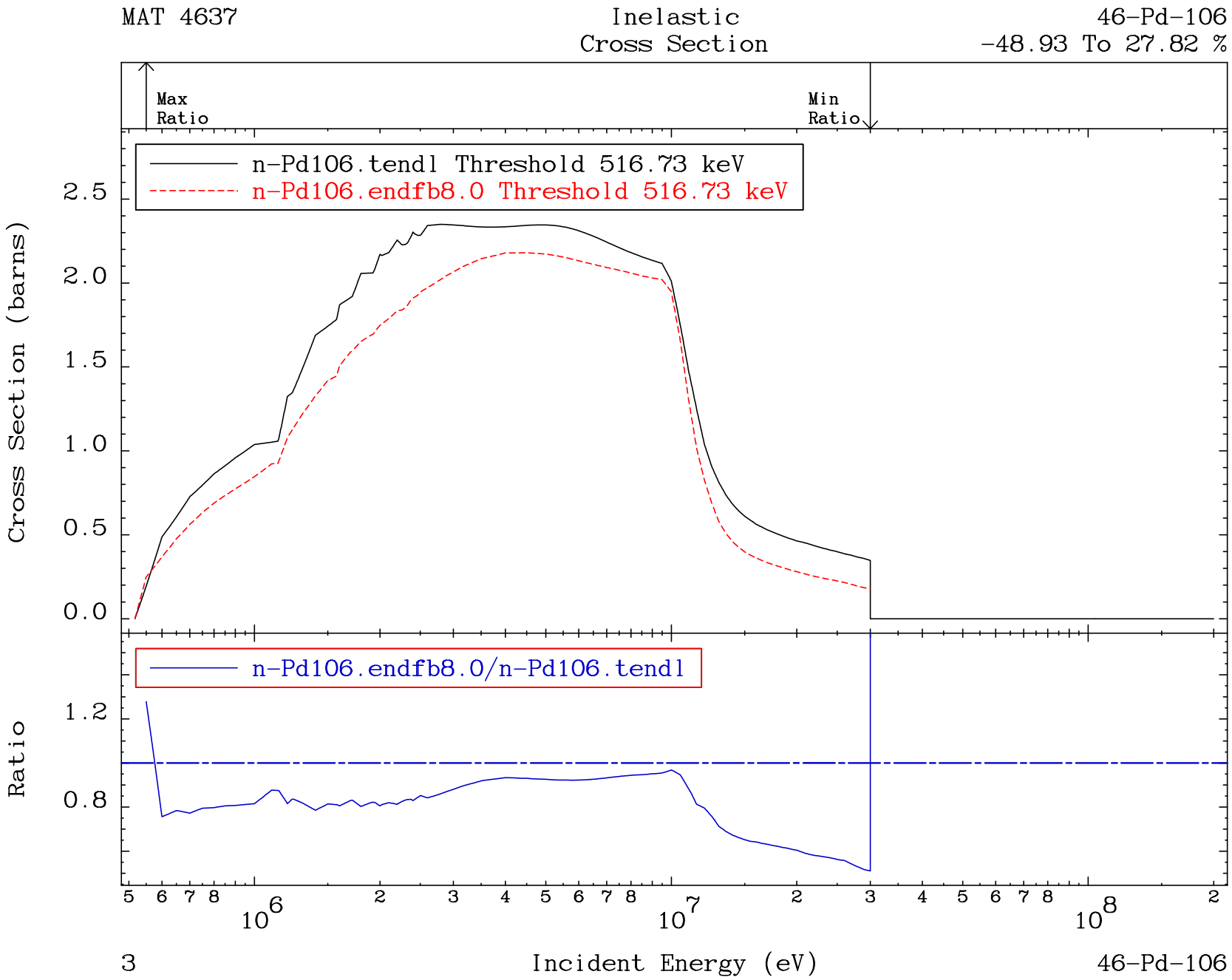
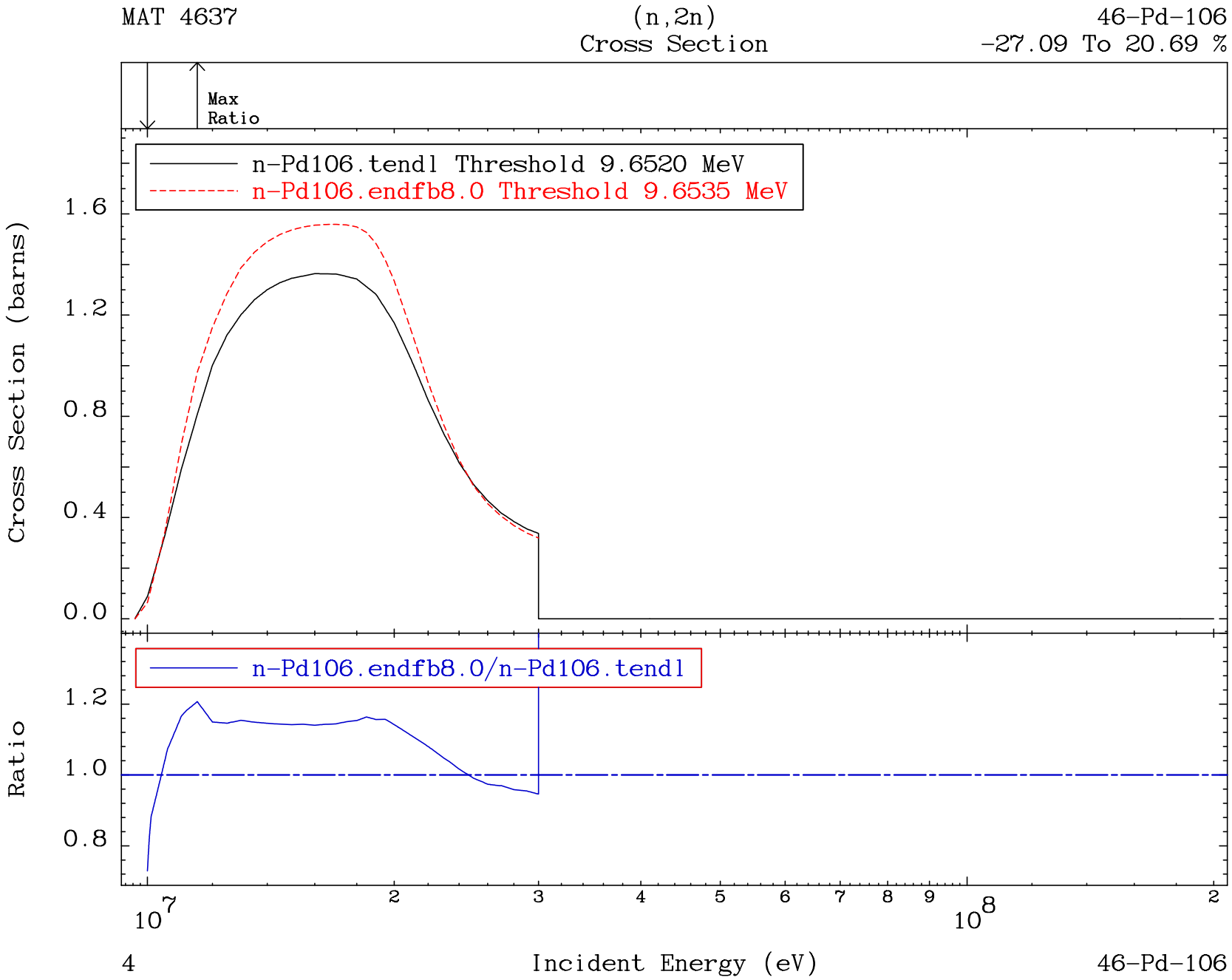
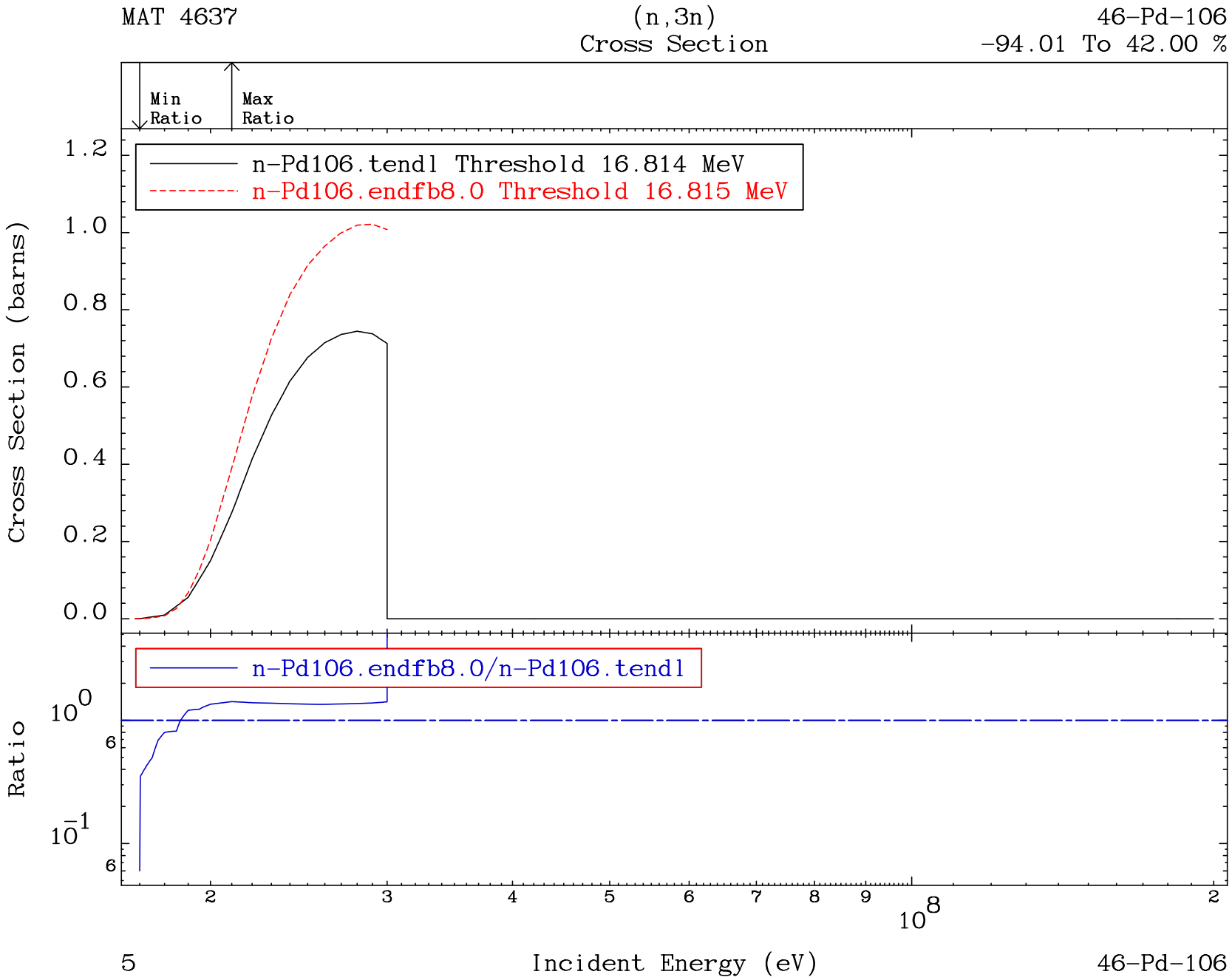
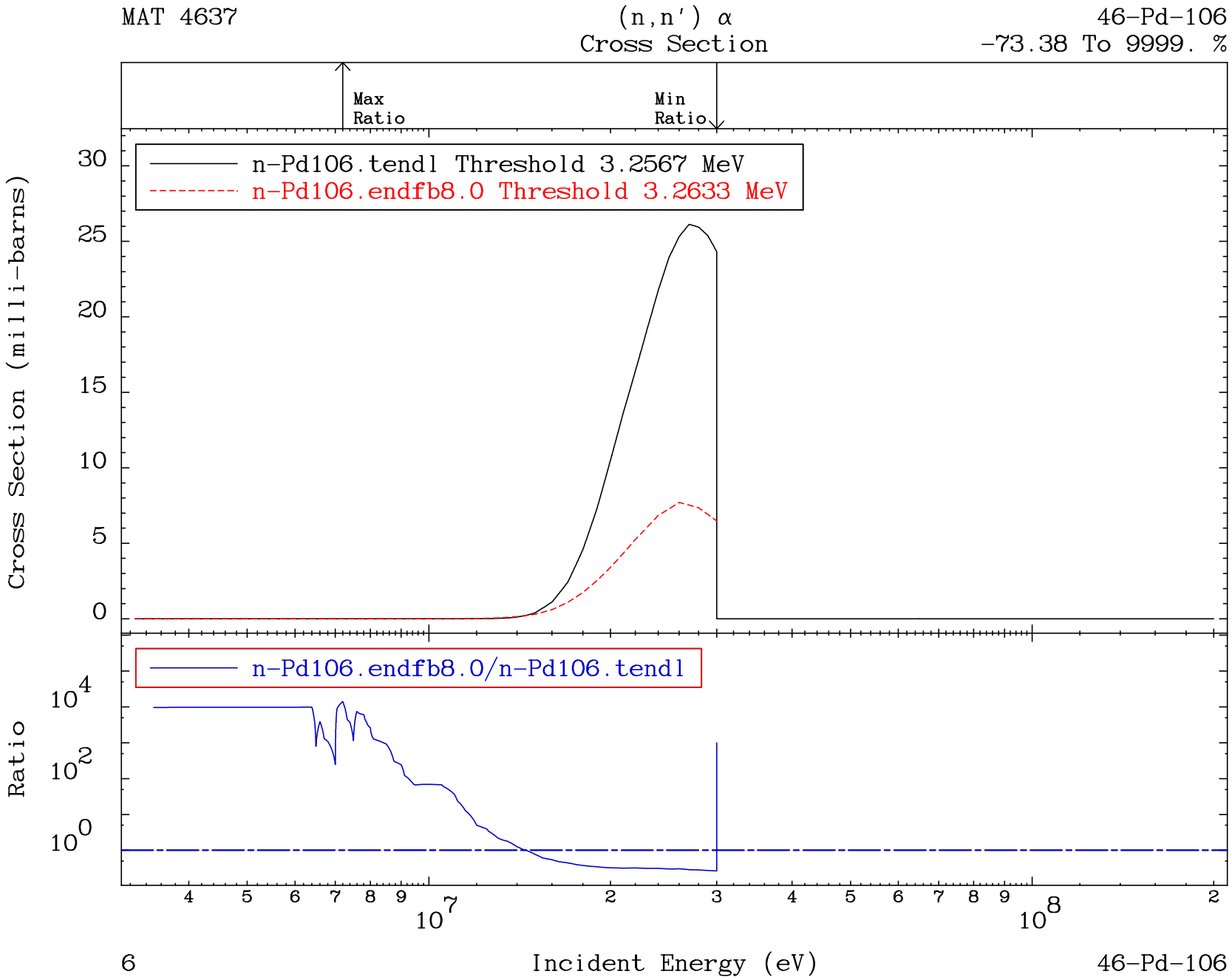

MAT 4637
Total
Cross Section
46-Pd-106
-99.25 To 3922. %
Min
Ratio
Max
Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
1
46-Pd-106

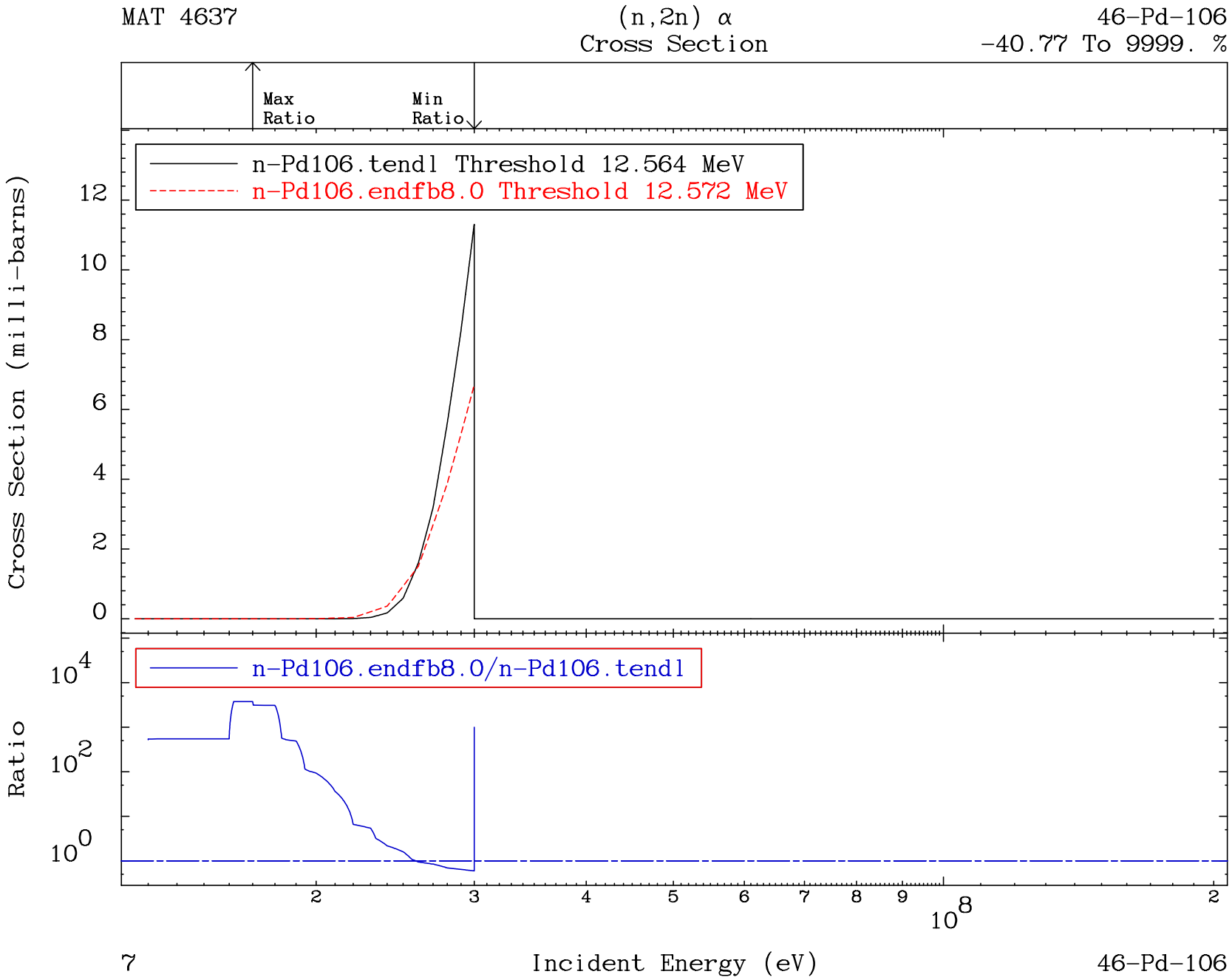

MAT 4637
Elastic
Cross Section
46-Pd-106
-99.23 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
2
46-Pd-106

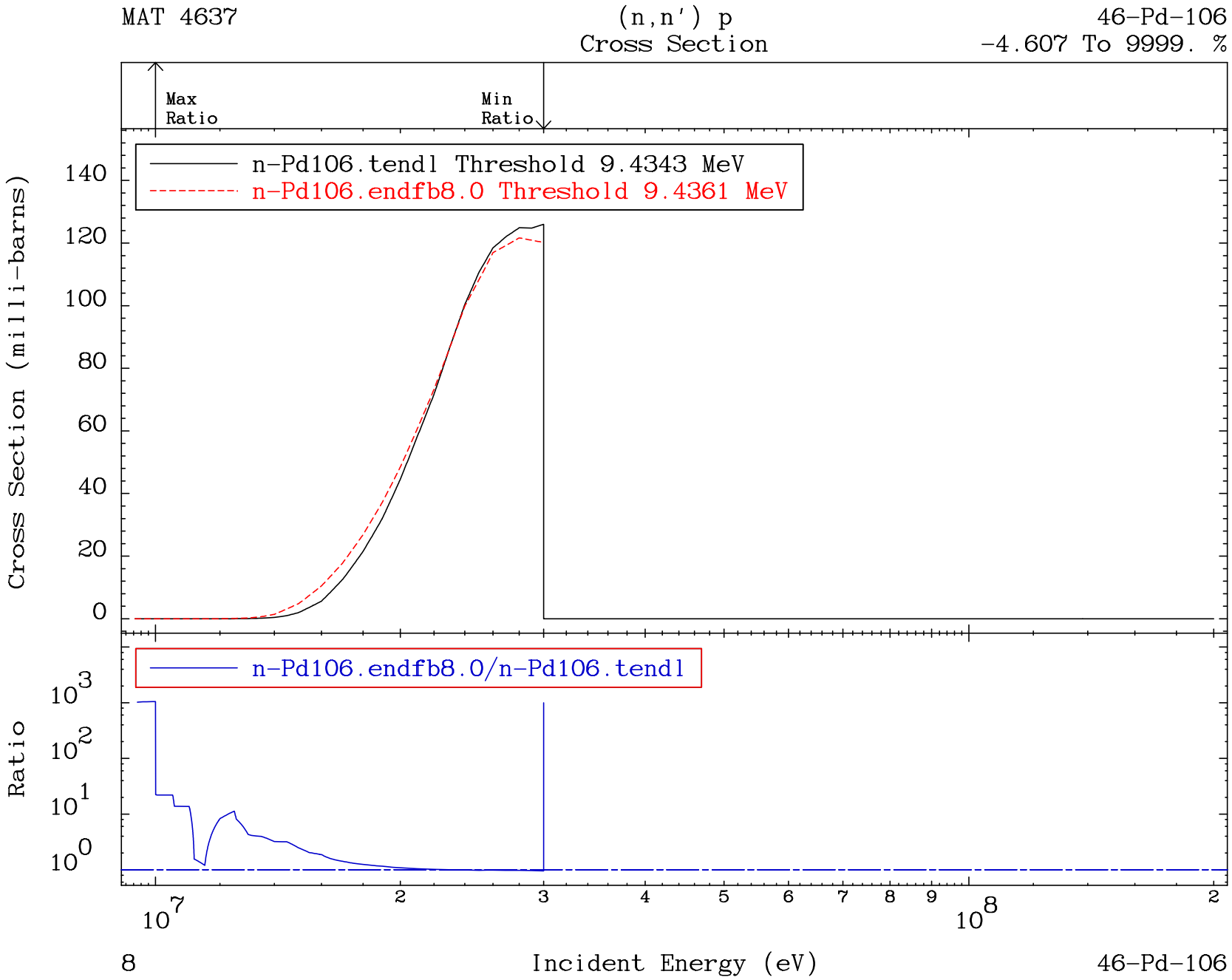

MAT 4637
Inelastic
Cross Section
46-Pd-106
-48.93 To 27.82 %
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 516.73 keV
n-Pd106.endfb8.0 Threshold 516.73 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
1.2
0.8
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
46-Pd-106

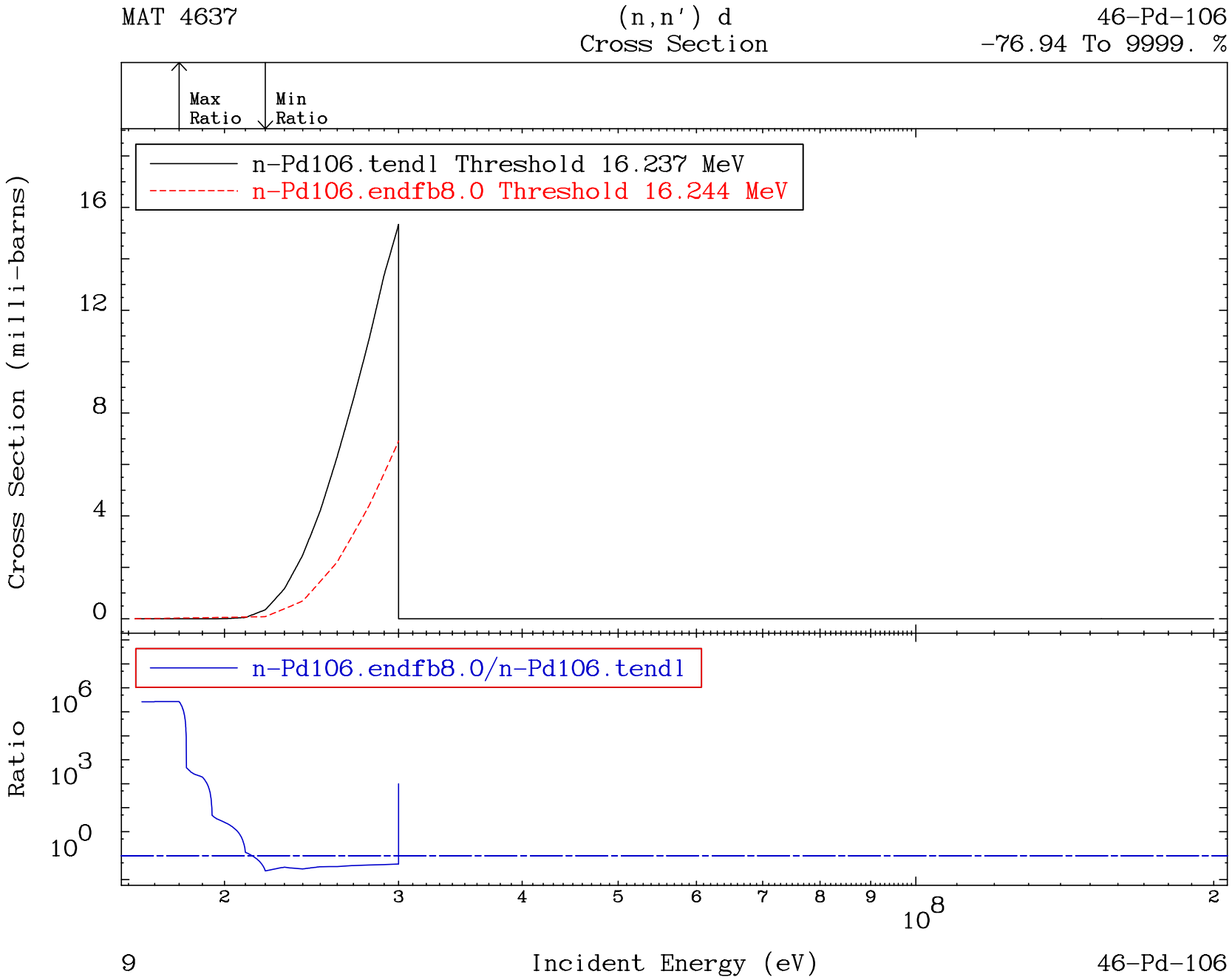

MAT 4637
(n,2n)
Cross Section
46-Pd-106
-27.09 To 20.69 %
Max
Ratio
n-Pd106.tendl Threshold 9.6520 MeV
n-Pd106.endfb8.0 Threshold 9.6535 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
1.2
1.0
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
46-Pd-106

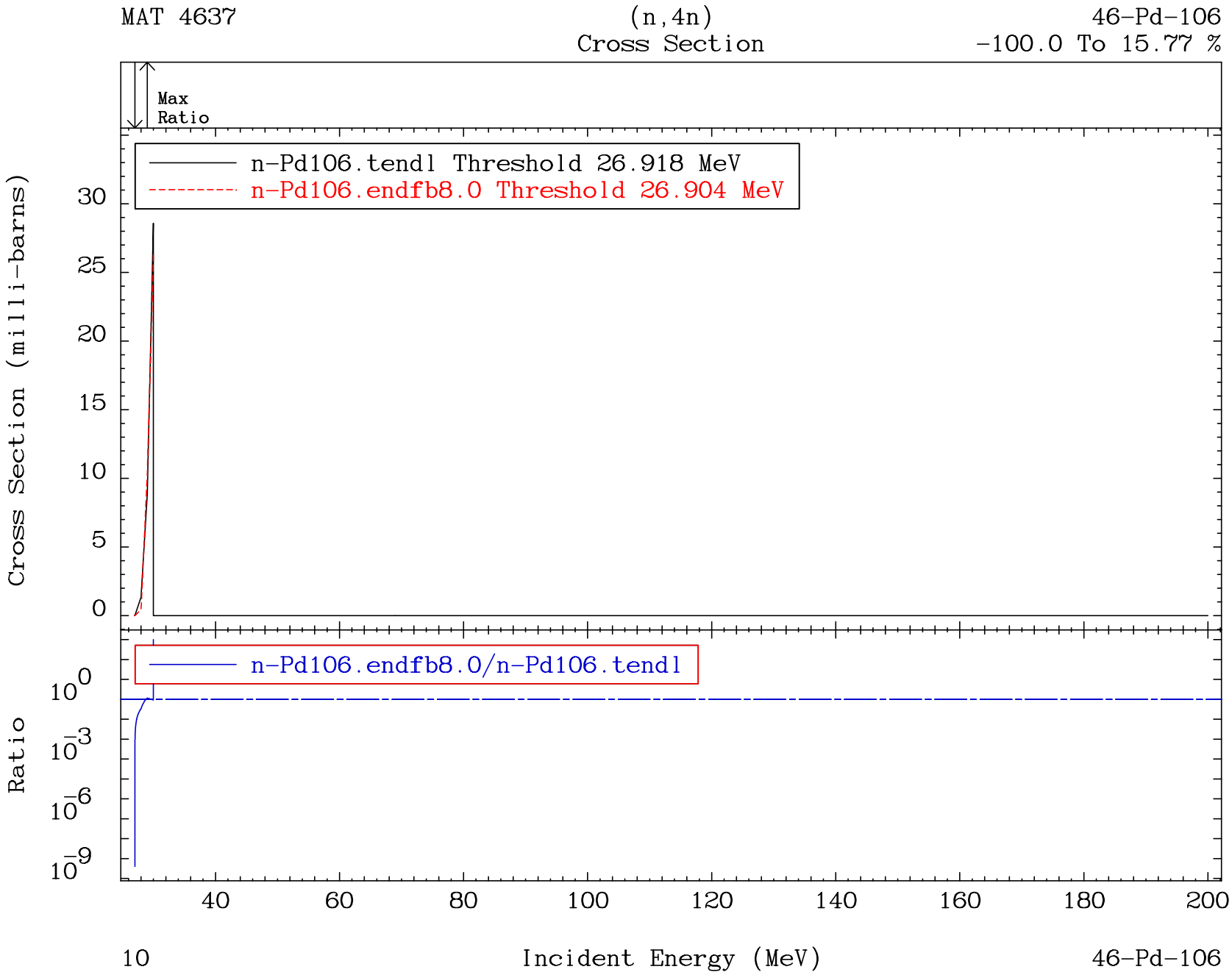

MAT 4637
(n,3n)
Cross Section
46-Pd-106
-94.01 To 42.00 %
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 16.814 MeV
n-Pd106.endfb8.0 Threshold 16.815 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-1
6
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
46-Pd-106

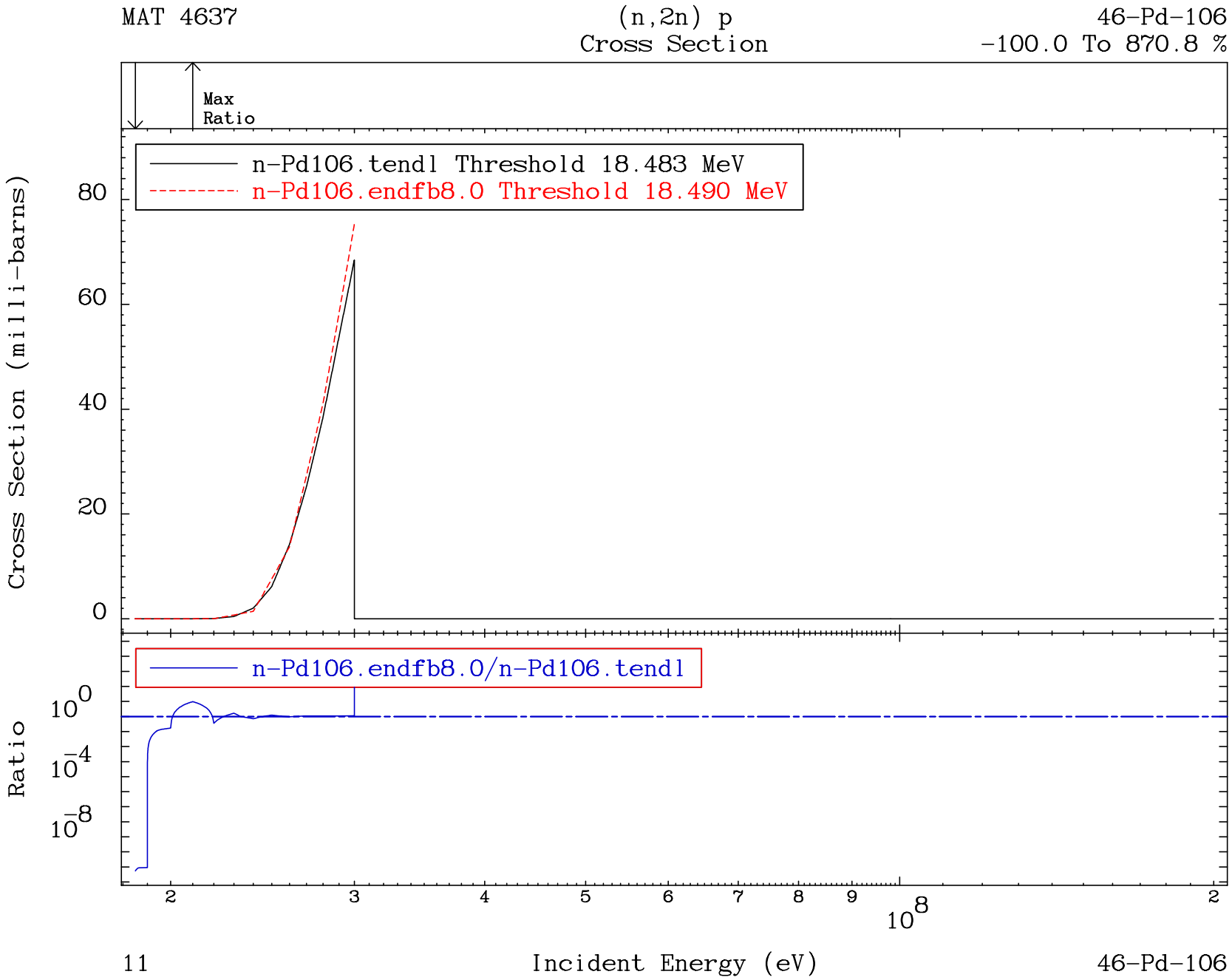

MAT 4637
(n,n') α
Cross Section
46-Pd-106
-73.38 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 3.2567 MeV
n-Pd106.endfb8.0 Threshold 3.2633 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^4
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
46-Pd-106

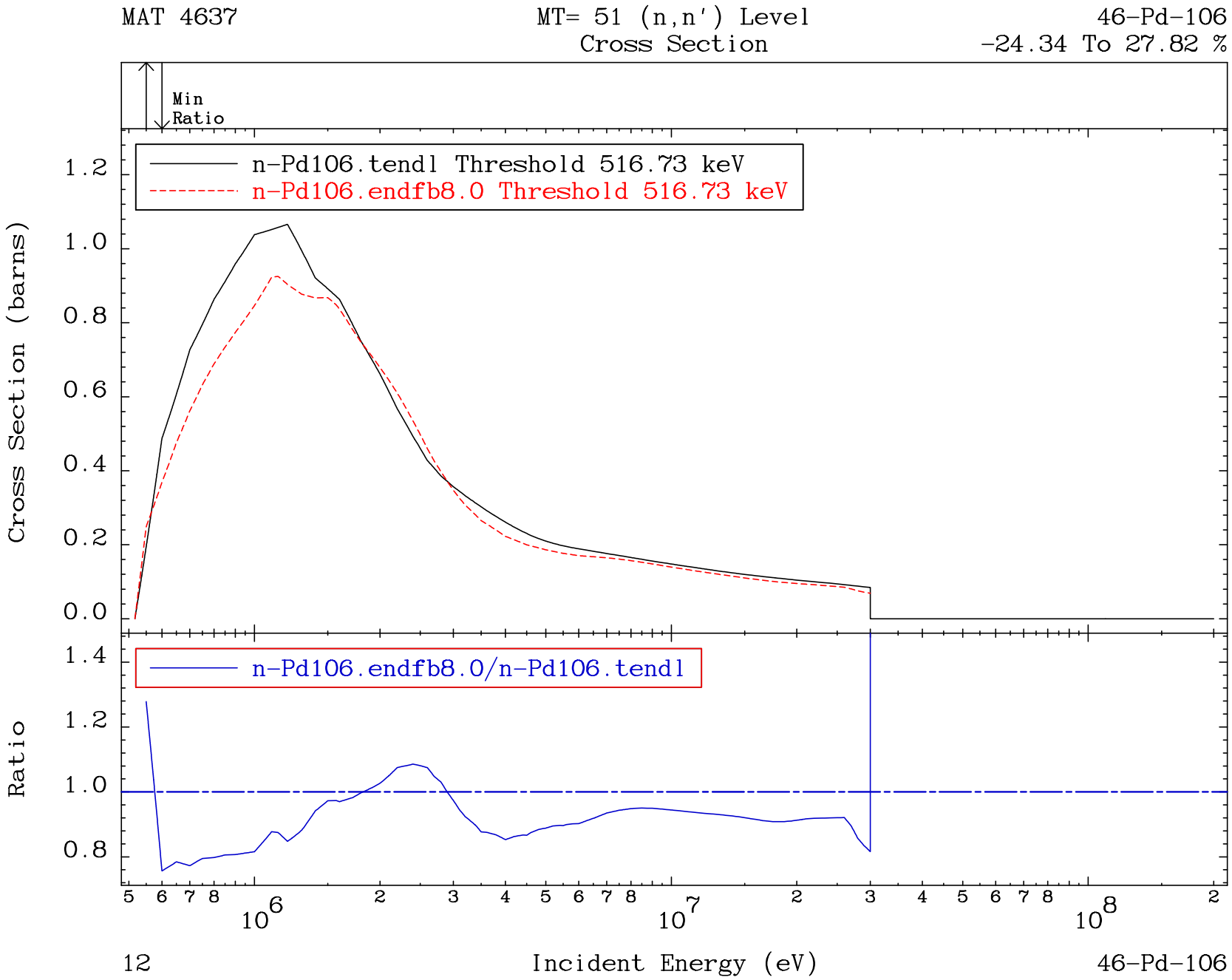

MAT 4637
(n,2n) α
Cross Section
46-Pd-106
-40.77 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 12.564 MeV
n-Pd106.endfb8.0 Threshold 12.572 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^2
10^4
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
46-Pd-106

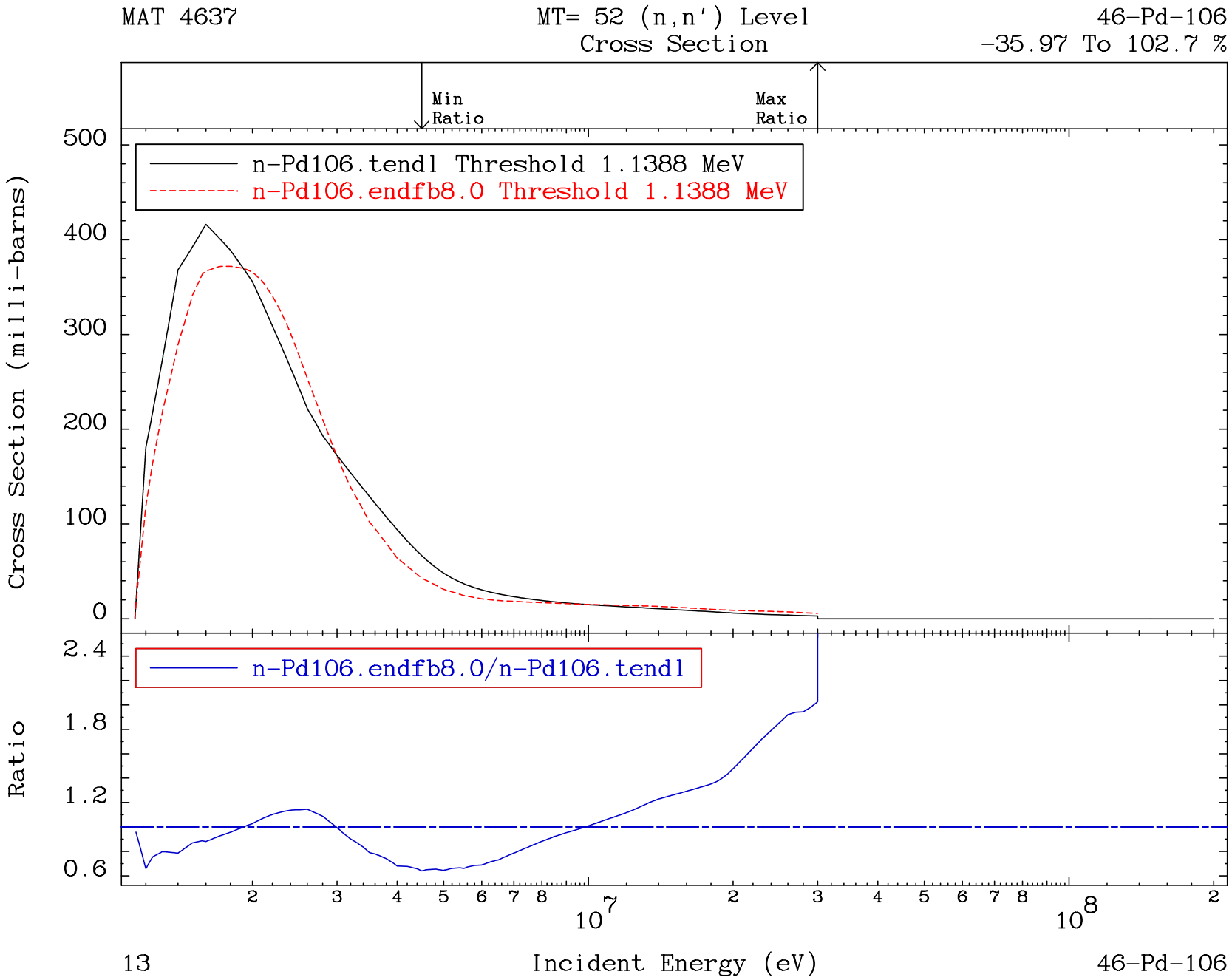

MAT 4637
(n,n') p
Cross Section
46-Pd-106
-4.607 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 9.4343 MeV
n-Pd106.endfb8.0 Threshold 9.4361 MeV
Cross Section (milli-barns)
0
20
40
60
80
100
120
140
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^1
10^2
10^3
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
46-Pd-106

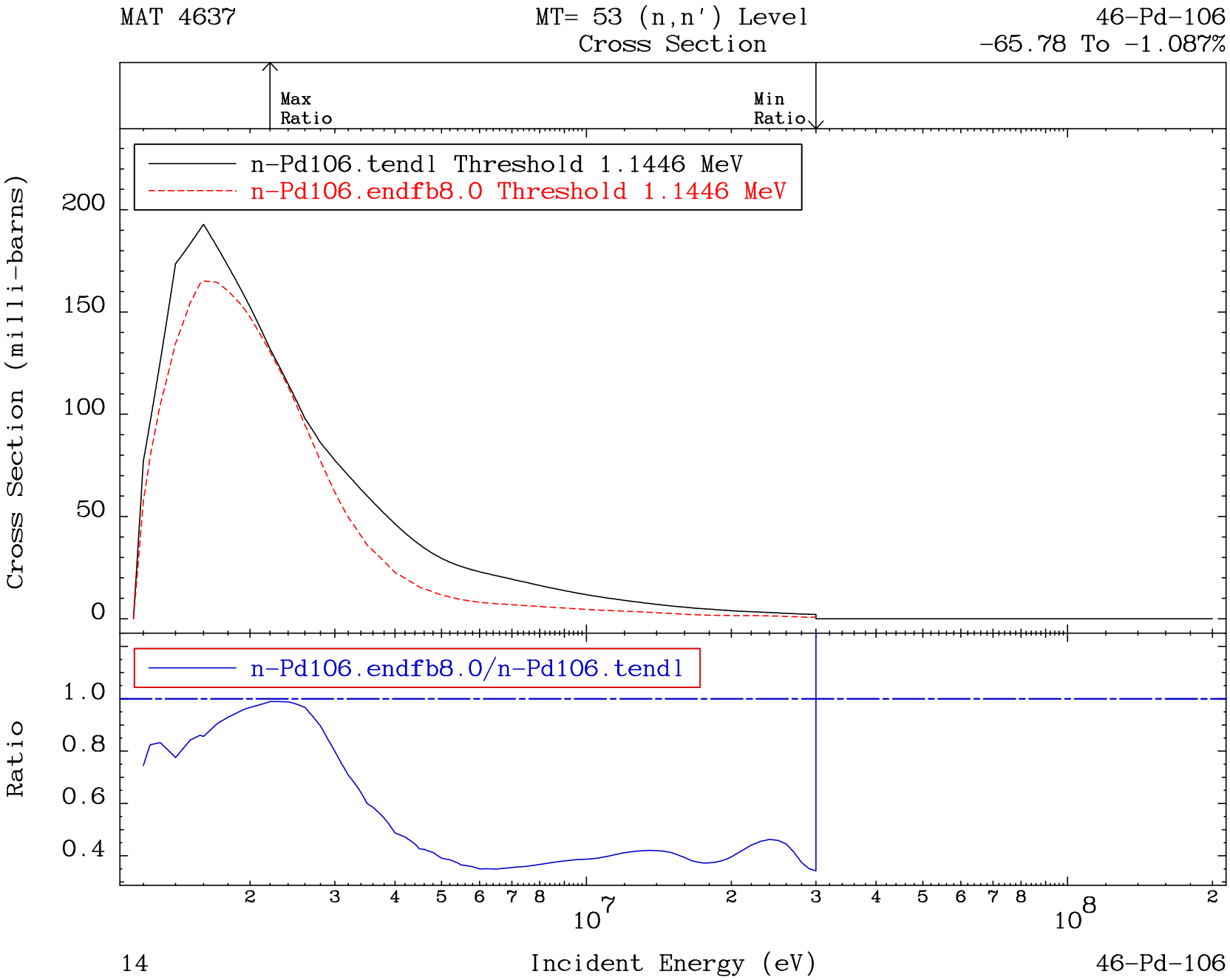

MAT 4637
(n,n') d
Cross Section
46-Pd-106
-76.94 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 16.237 MeV
n-Pd106.endfb8.0 Threshold 16.244 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
46-Pd-106

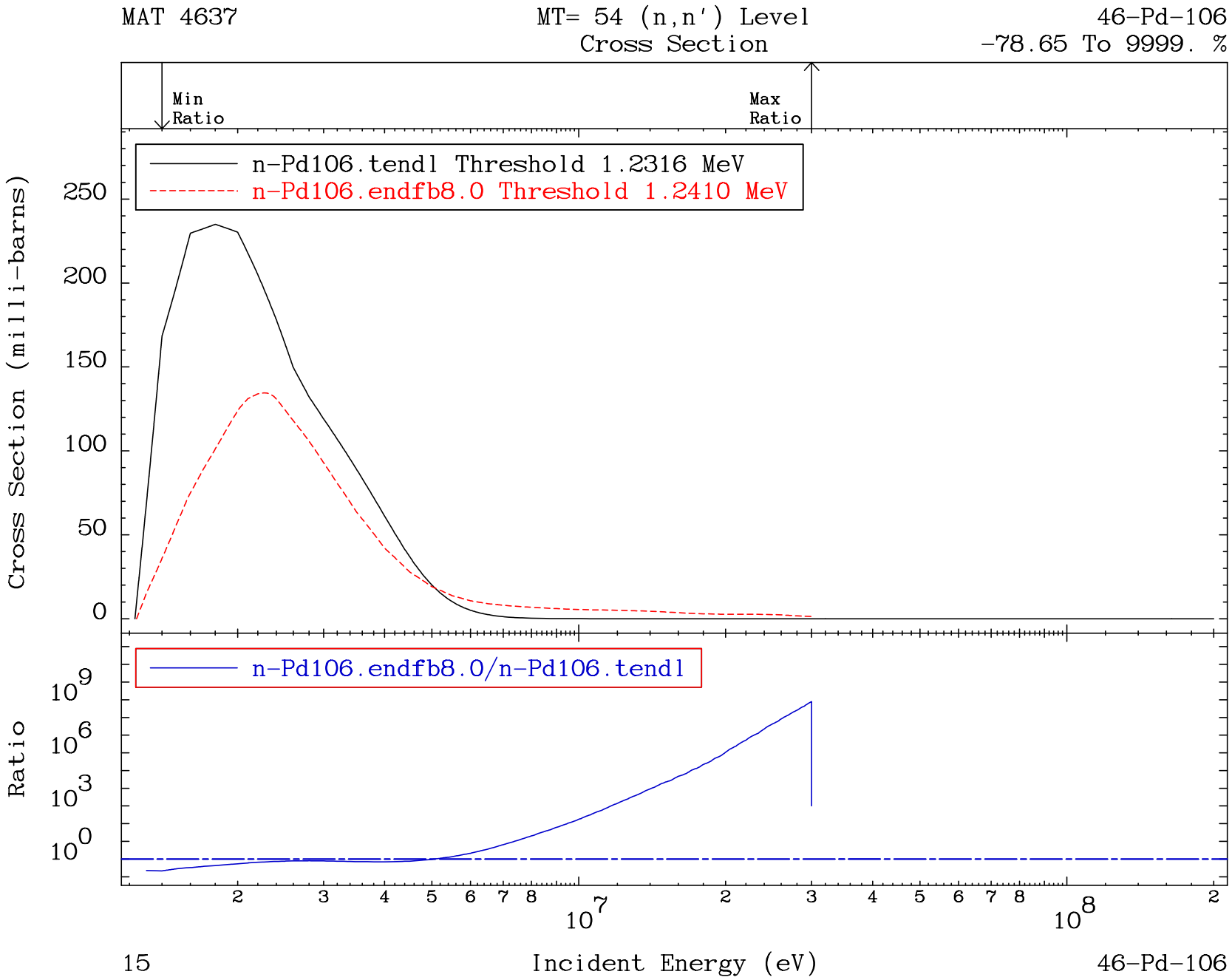

MAT 4637
(n,4n)
Cross Section
46-Pd-106
-100.0 To 15.77 %
Max
Ratio
n-Pd106.tendl Threshold 26.918 MeV
n-Pd106.endfb8.0 Threshold 26.904 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-3
10^-6
10^-9
40
60
80
100
120
140
160
180
200
10
Incident Energy (MeV)
46-Pd-106

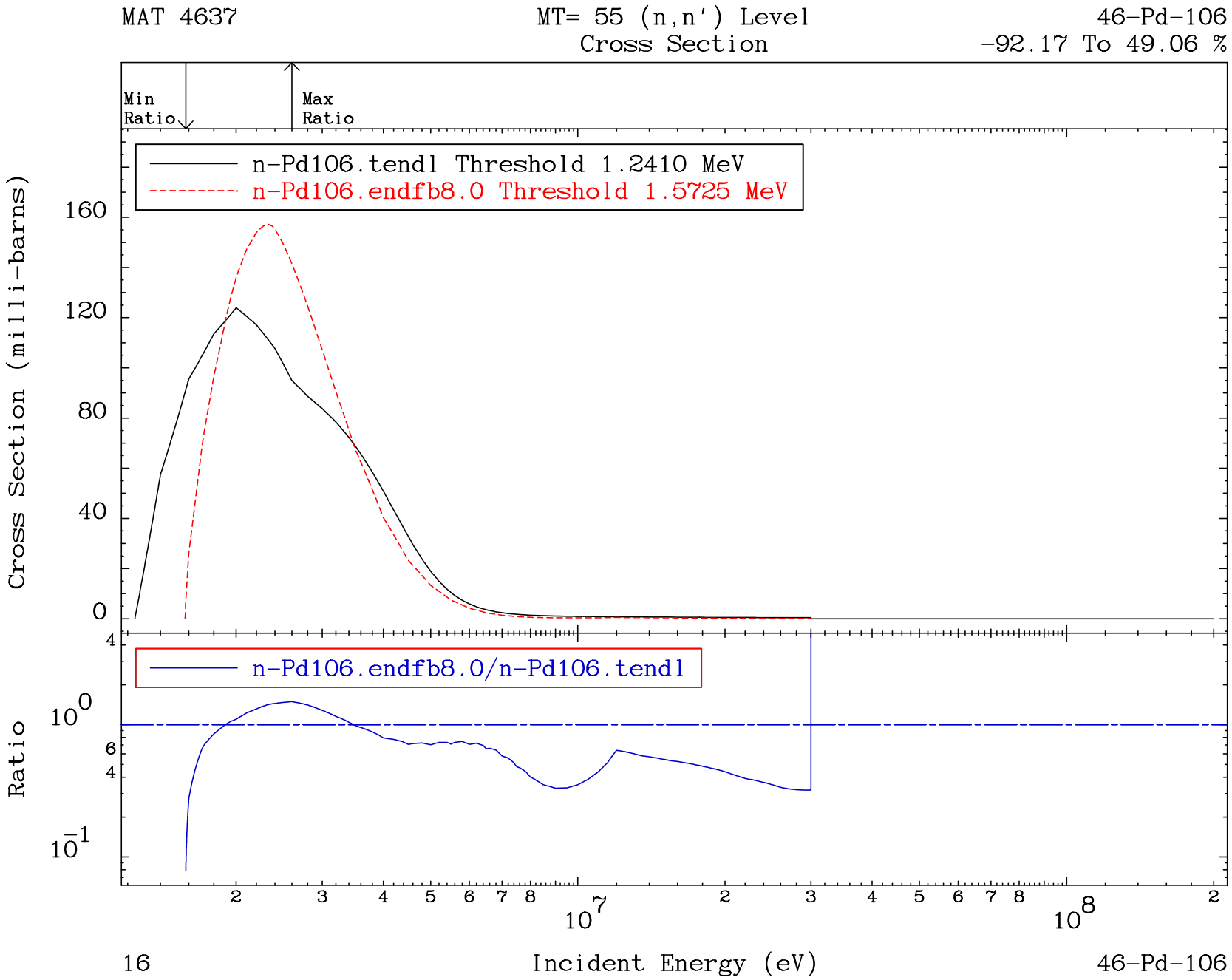

MAT 4637
(n,2n) p
Cross Section
46-Pd-106
-100.0 To 870.8 %
Max
Ratio
n-Pd106.tendl Threshold 18.483 MeV
n-Pd106.endfb8.0 Threshold 18.490 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-4
10^-8
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
46-Pd-106

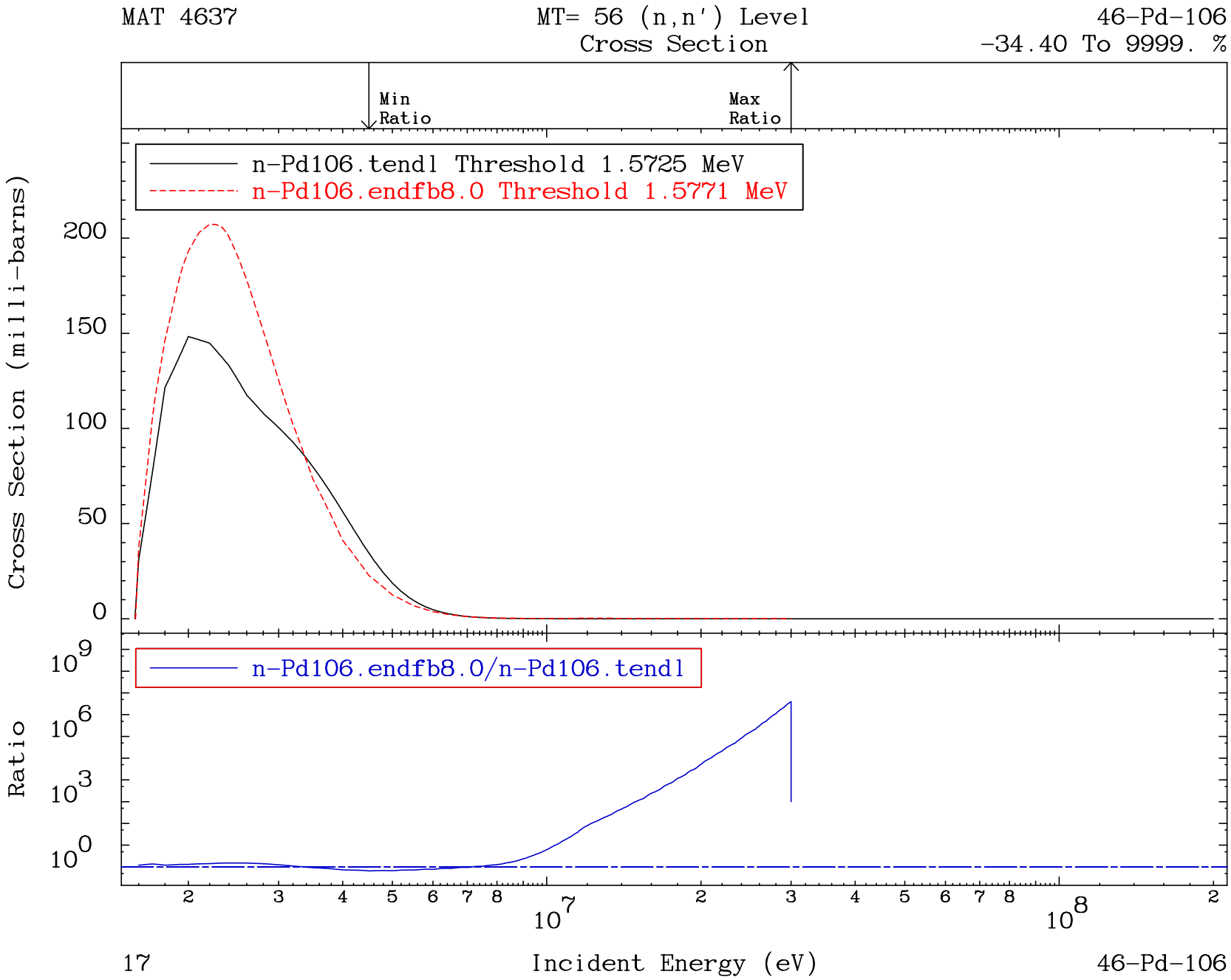

MAT 4637
MT= 51 (n,n') Level
Cross Section
46-Pd-106
-24.34 To 27.82 %
Min
Ratio
n-Pd106.tendl Threshold 516.73 keV
n-Pd106.endfb8.0 Threshold 516.73 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
1.4
1.2
1.0
0.8
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
46-Pd-106

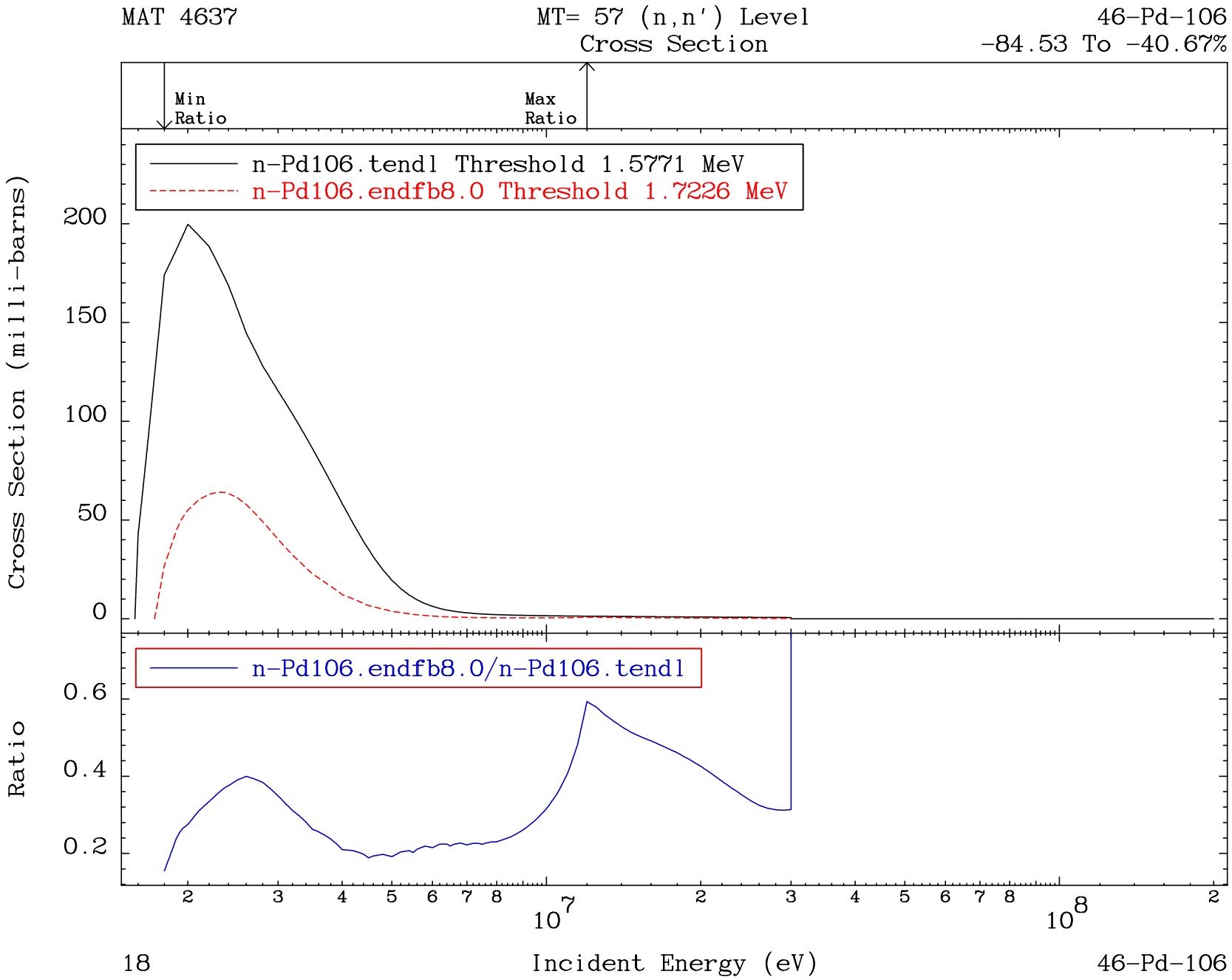

MAT 4637
MT= 52 (n,n') Level
Cross Section
46-Pd-106
-35.97 To 102.7 %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.1388 MeV
n-Pd106.endfb8.0 Threshold 1.1388 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
2.4
1.8
1.2
0.6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
46-Pd-106

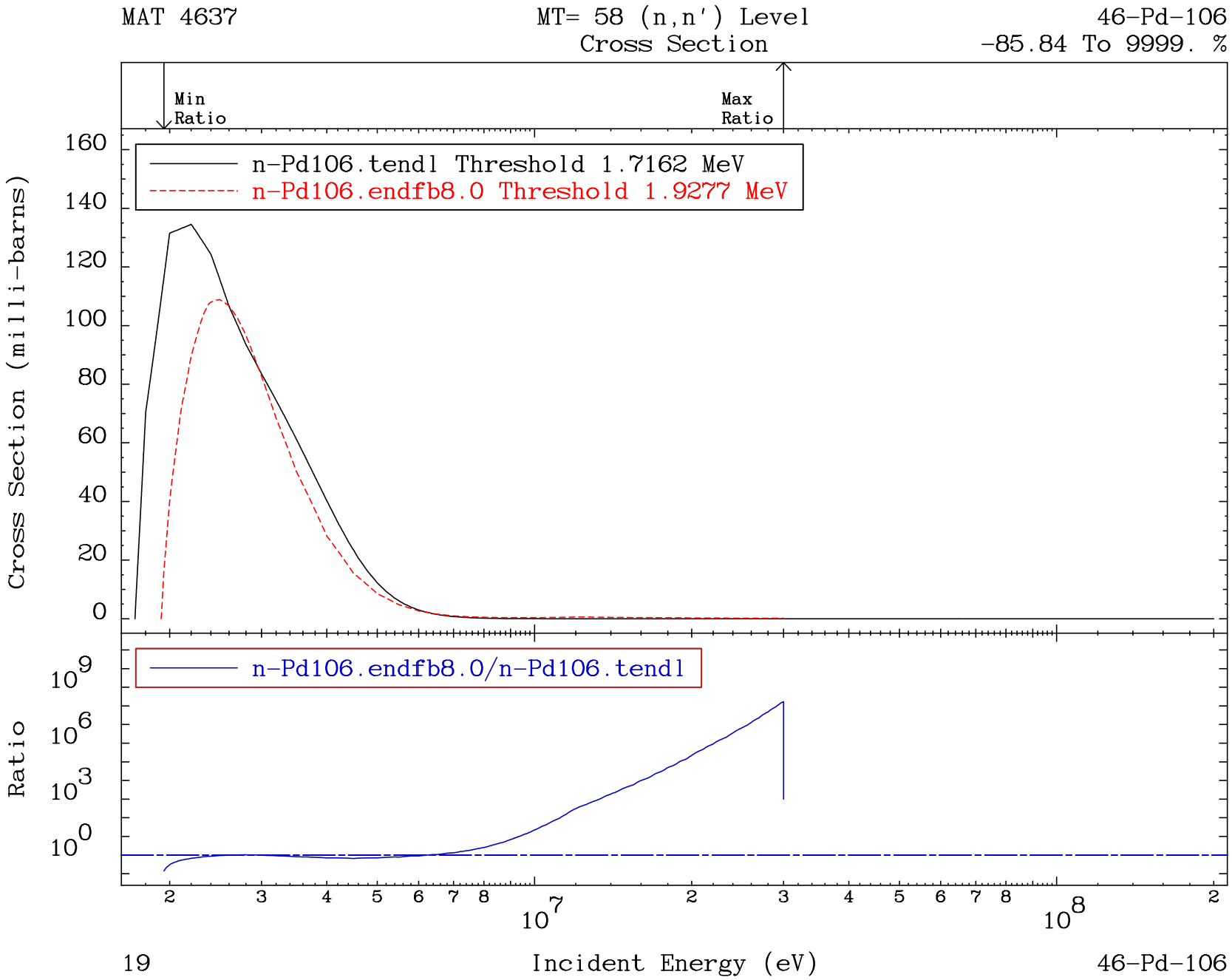

MAT 4637
MT= 53 (n,n') Level
Cross Section
46-Pd-106
-65.78 To -1.087%
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 1.1446 MeV
n-Pd106.endfb8.0 Threshold 1.1446 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
1.0
0.8
0.6
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
46-Pd-106

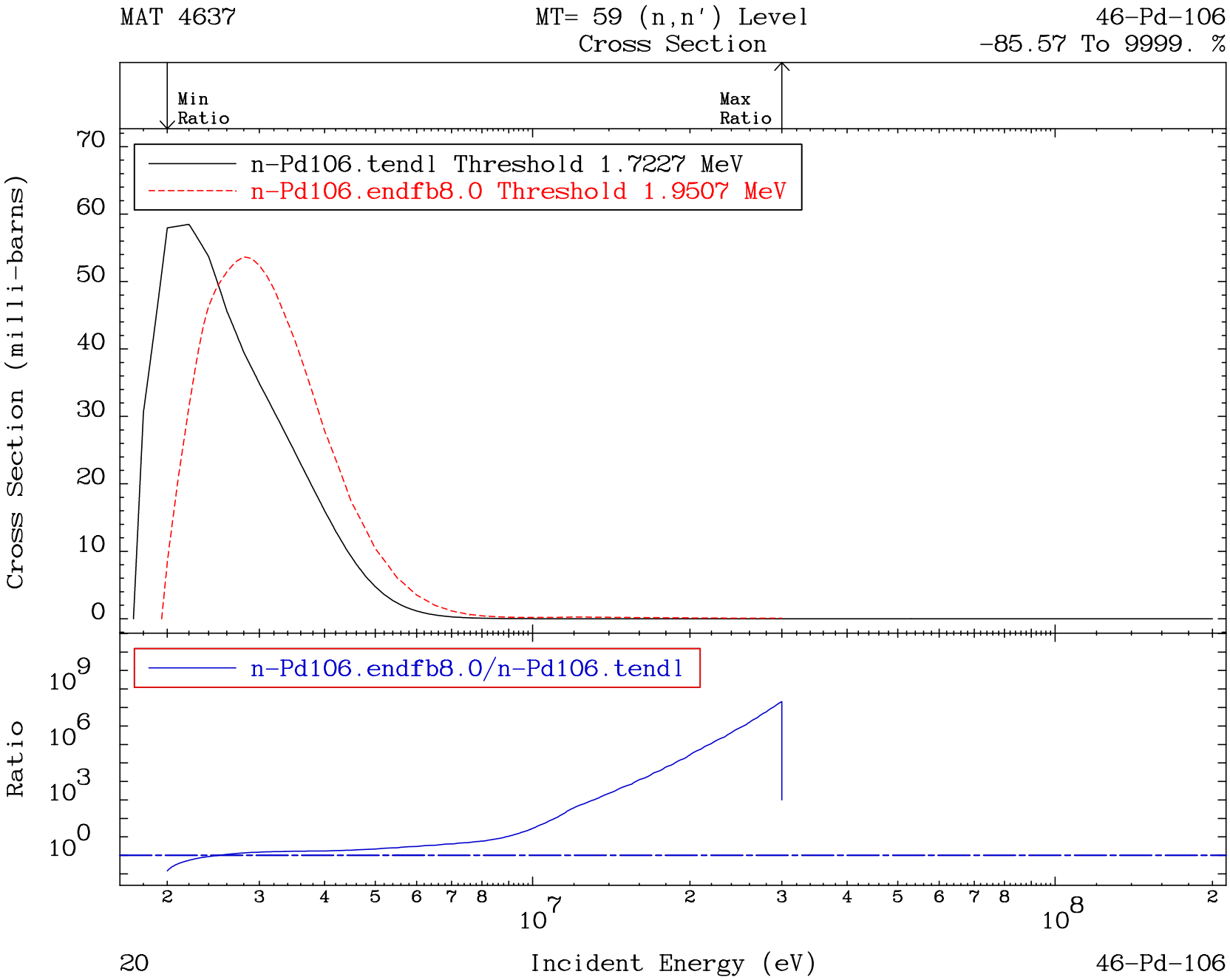

MAT 4637
MT= 54 (n,n') Level
Cross Section
46-Pd-106
-78.65 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.2316 MeV
n-Pd106.endfb8.0 Threshold 1.2410 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
46-Pd-106

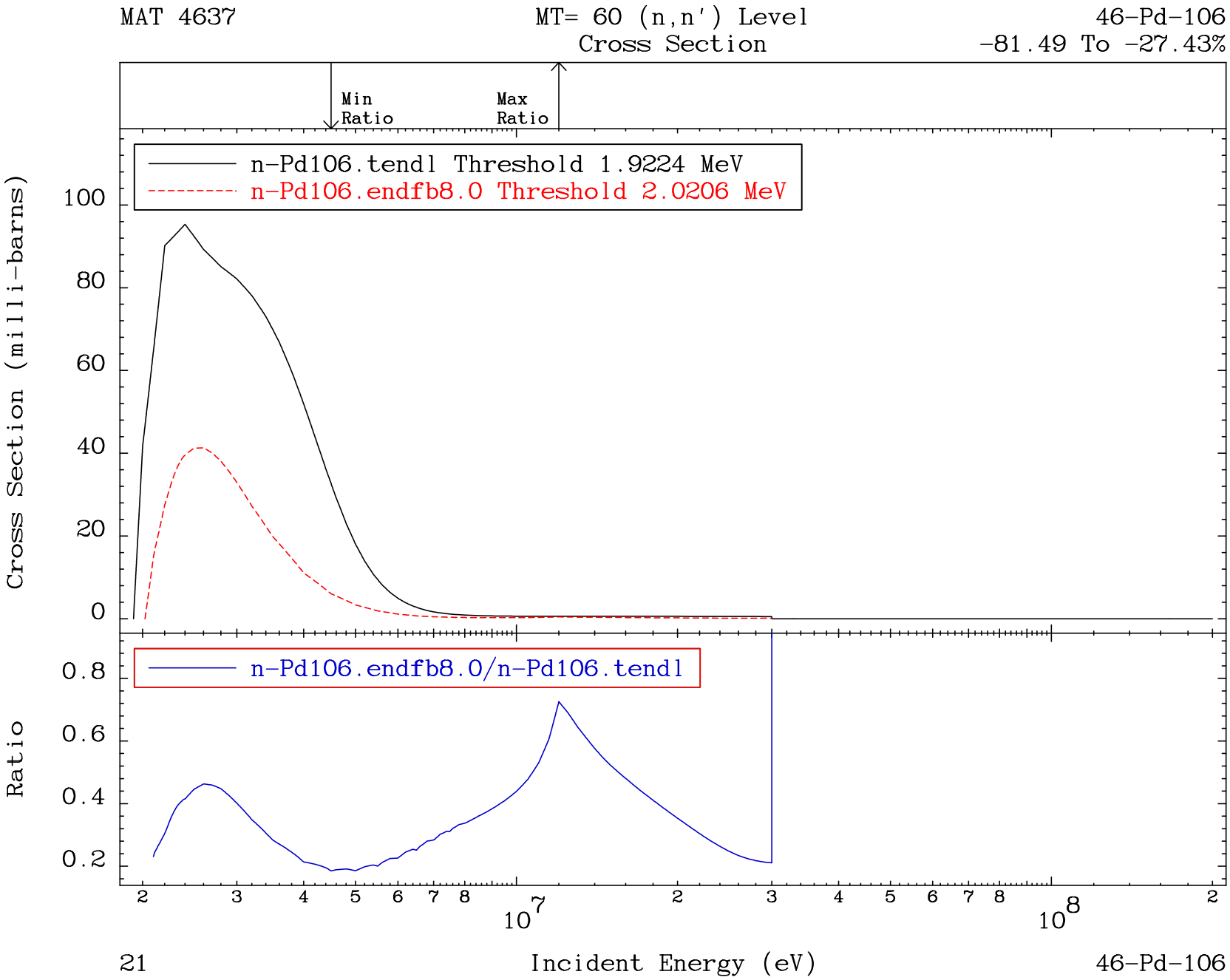

MAT 4637
MT= 55 (n,n') Level
Cross Section
46-Pd-106
-92.17 To 49.06 %
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 1.2410 MeV
n-Pd106.endfb8.0 Threshold 1.5725 MeV
Cross Section (milli-barns)
160
120
80
40
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
4
10^0
6
4
10^{-1}
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
46-Pd-106

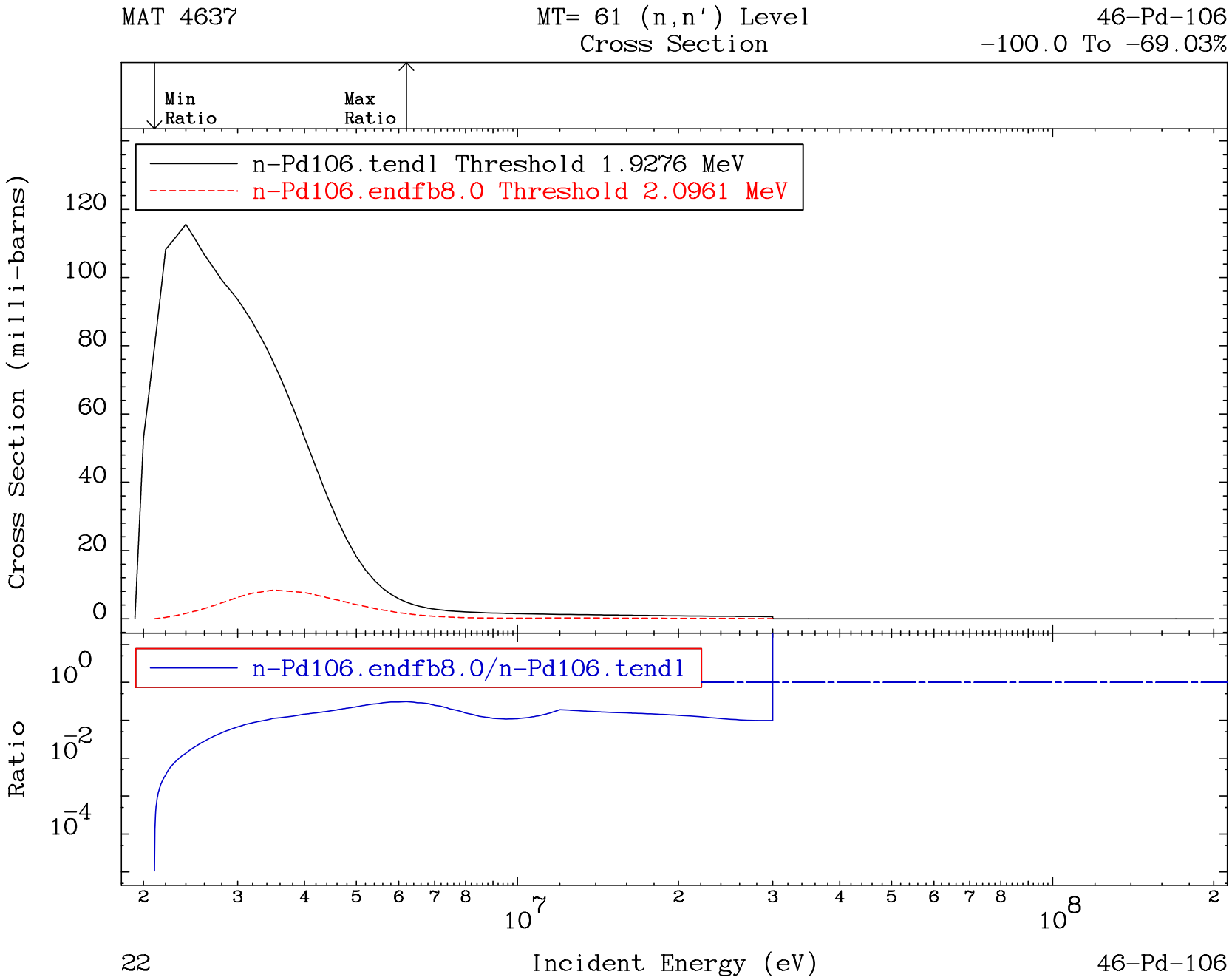

MAT 4637
MT= 56 (n,n') Level
Cross Section
46-Pd-106
-34.40 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.5725 MeV
n-Pd106.endfb8.0 Threshold 1.5771 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
46-Pd-106

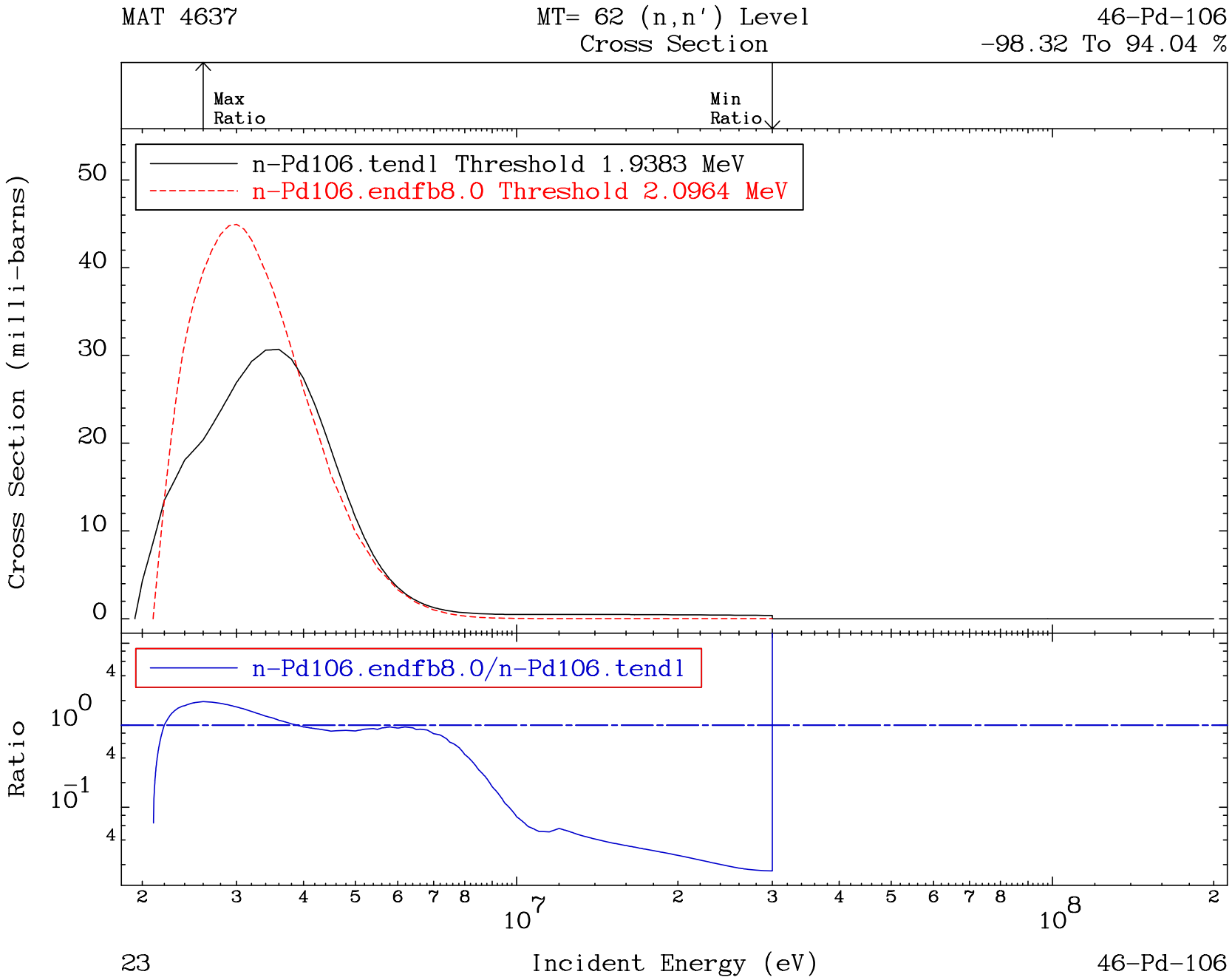

MAT 4637
MT= 57 (n,n') Level
Cross Section
46-Pd-106
-84.53 To -40.67%
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.5771 MeV
n-Pd106.endfb8.0 Threshold 1.7226 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
0.6
0.4
0.2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
18
Incident Energy (eV)
46-Pd-106

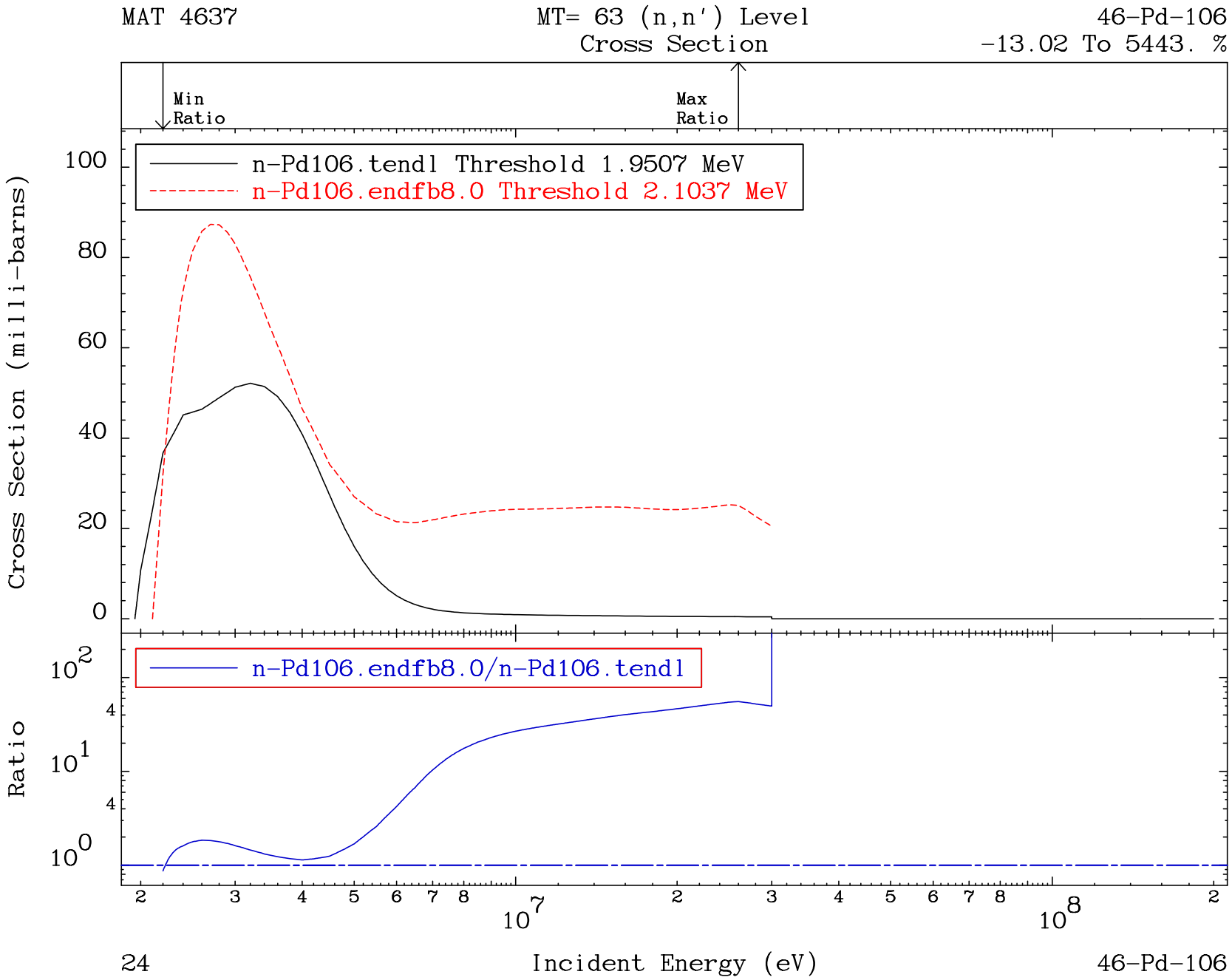

MAT 4637
MT= 58 (n,n') Level
Cross Section
46-Pd-106
-85.84 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.7162 MeV
n-Pd106.endfb8.0 Threshold 1.9277 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
46-Pd-106

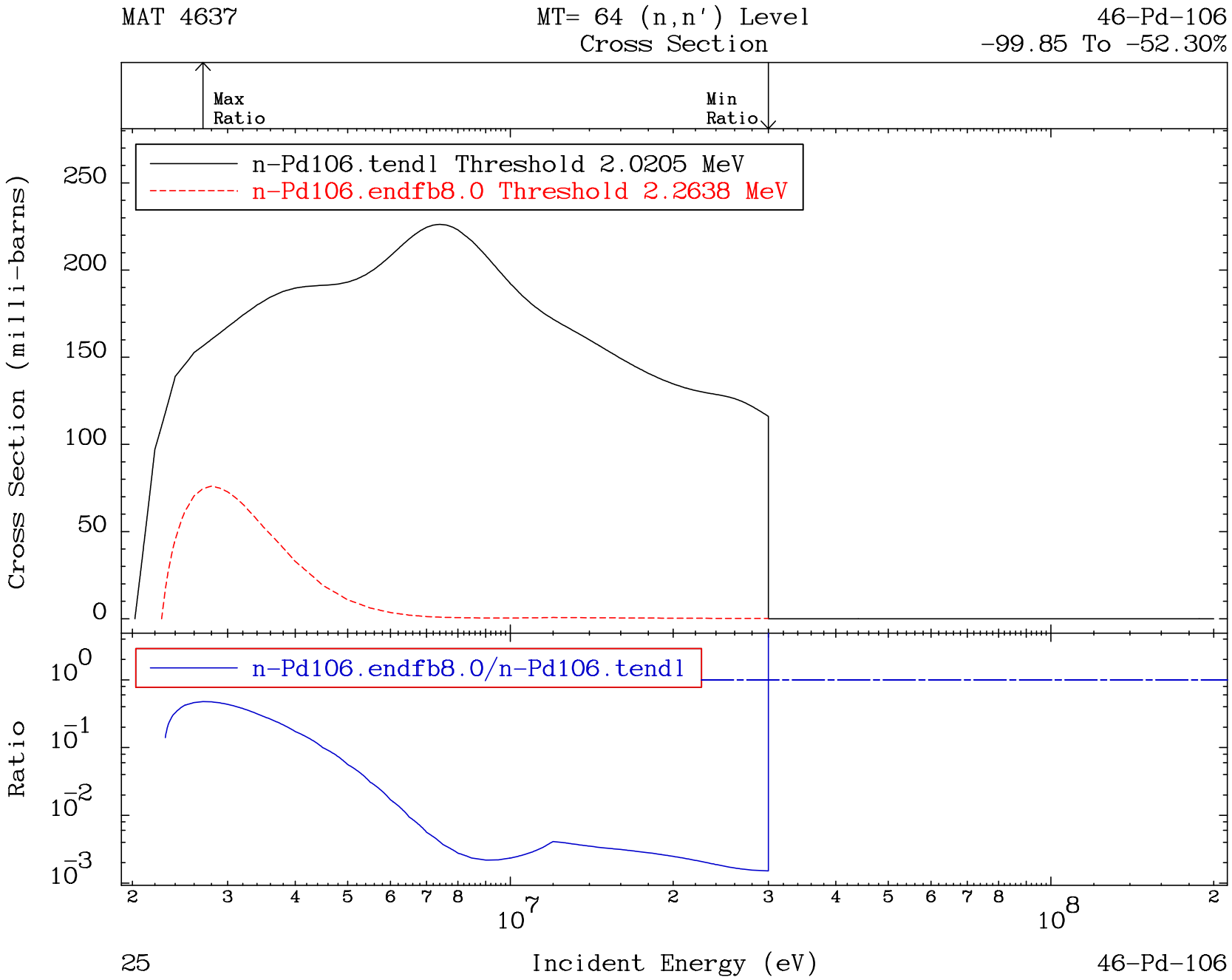

MAT 4637
MT= 59 (n,n') Level
Cross Section
46-Pd-106
-85.57 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.7227 MeV
n-Pd106.endfb8.0 Threshold 1.9507 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
46-Pd-106

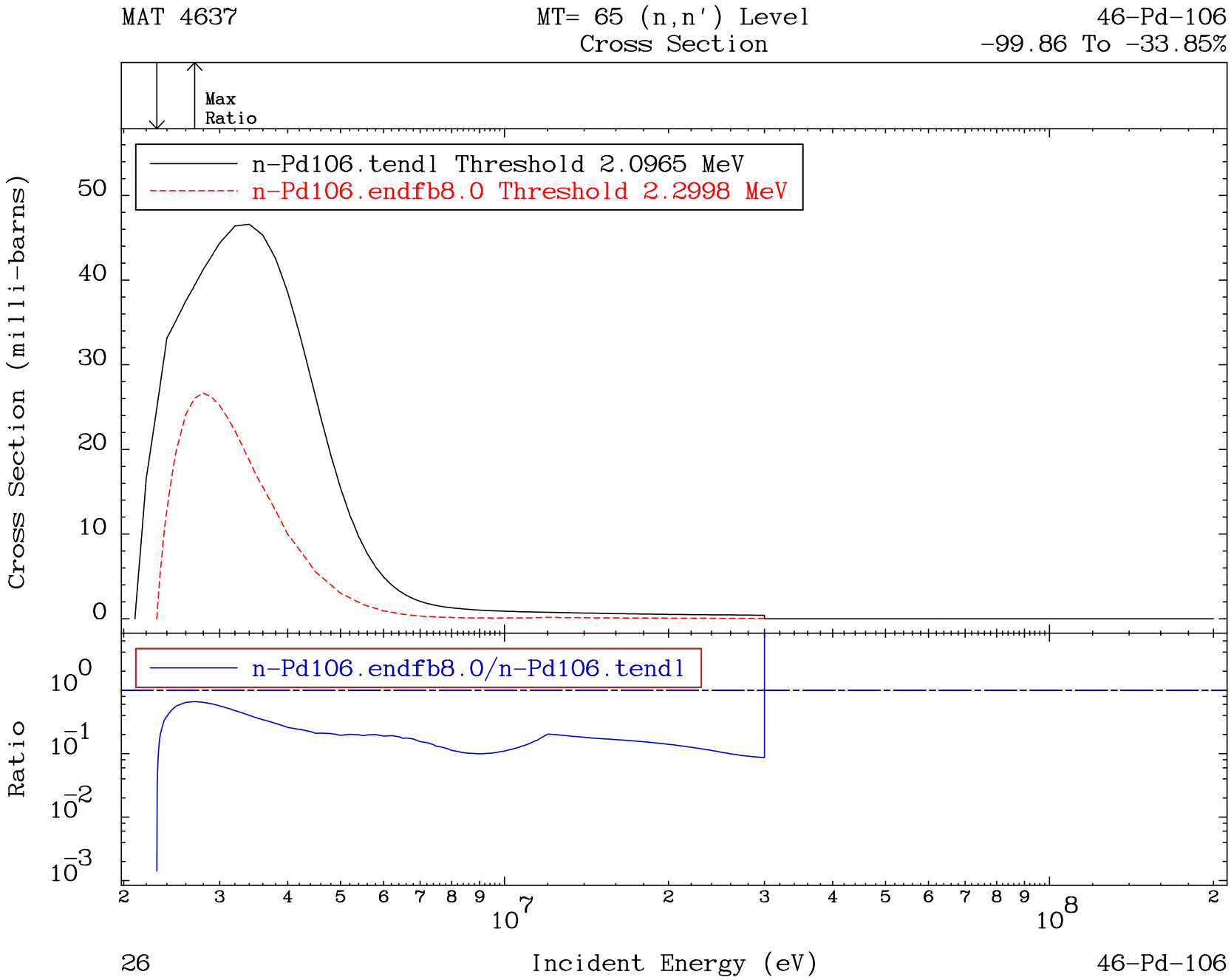

MAT 4637
MT= 60 (n,n') Level
Cross Section
46-Pd-106
-81.49 To -27.43%
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 1.9224 MeV
n-Pd106.endfb8.0 Threshold 2.0206 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
0.8
0.6
0.4
0.2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
46-Pd-106

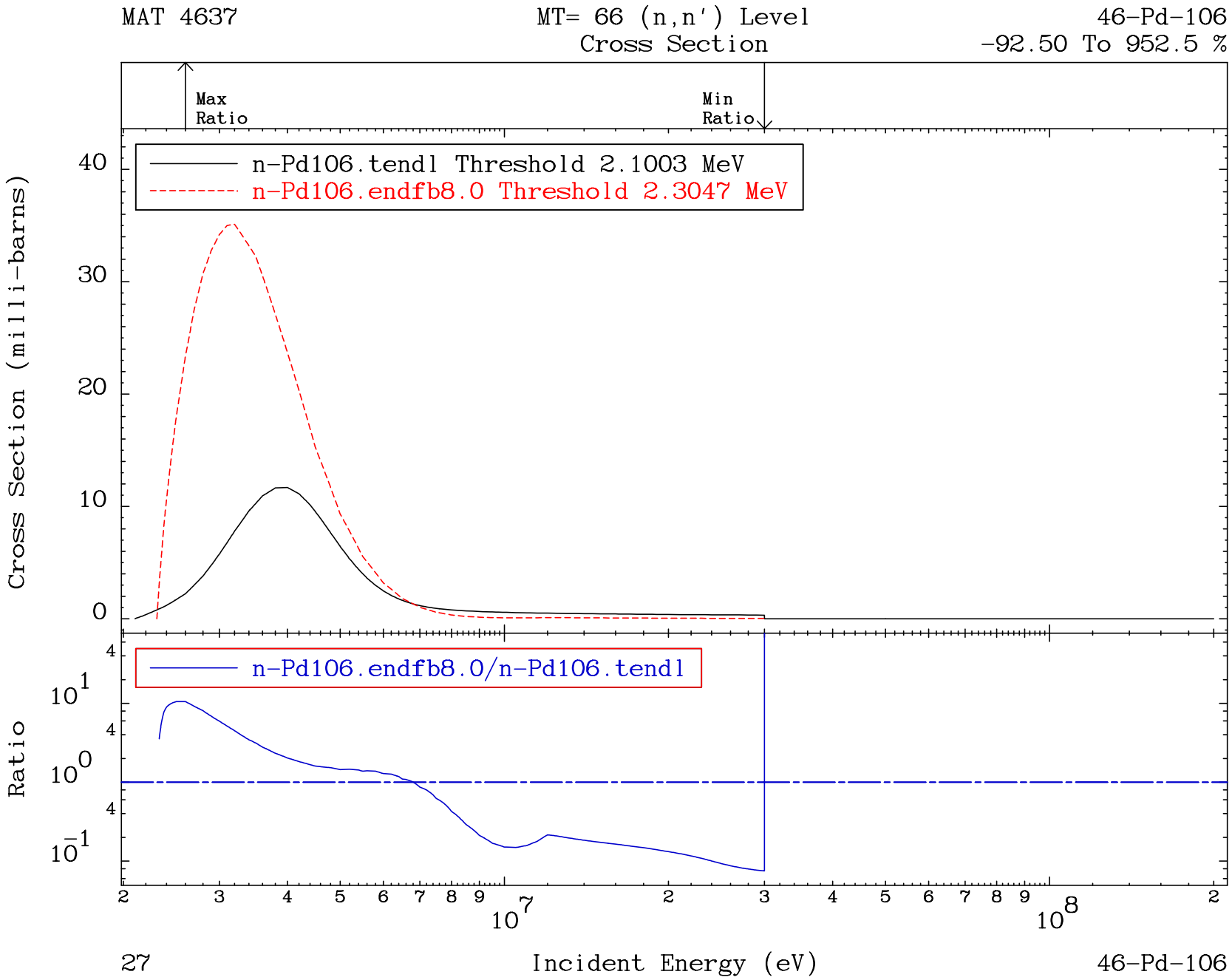

MAT 4637
MT= 61 (n,n') Level
Cross Section
46-Pd-106
-100.0 To -69.03%
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 1.9276 MeV
n-Pd106.endfb8.0 Threshold 2.0961 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
46-Pd-106

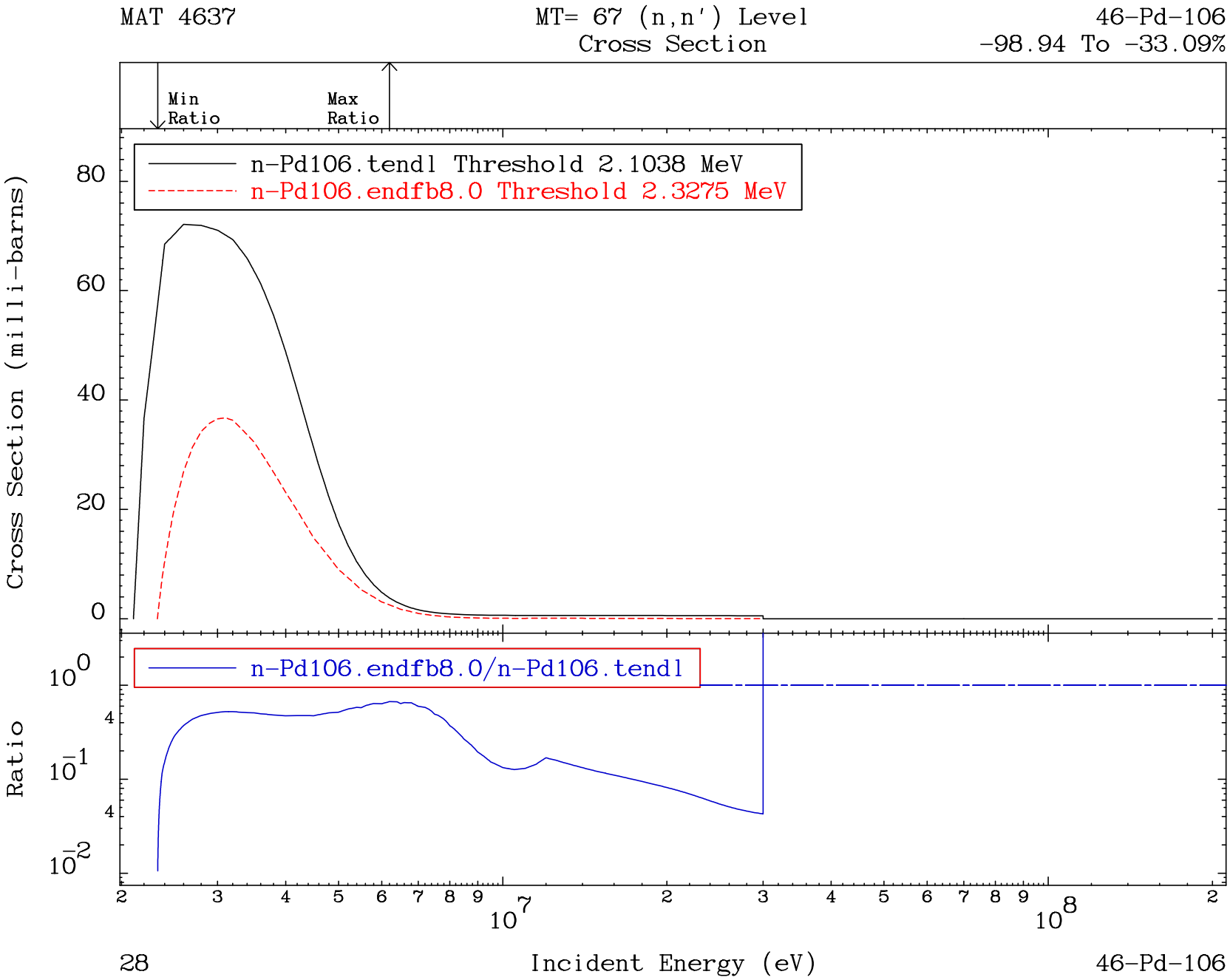

MAT 4637
MT= 62 (n,n') Level
Cross Section
46-Pd-106
-98.32 To 94.04 %
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 1.9383 MeV
n-Pd106.endfb8.0 Threshold 2.0964 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^{0}
10^{-1}
4
4
4
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
23
Incident Energy (eV)
46-Pd-106

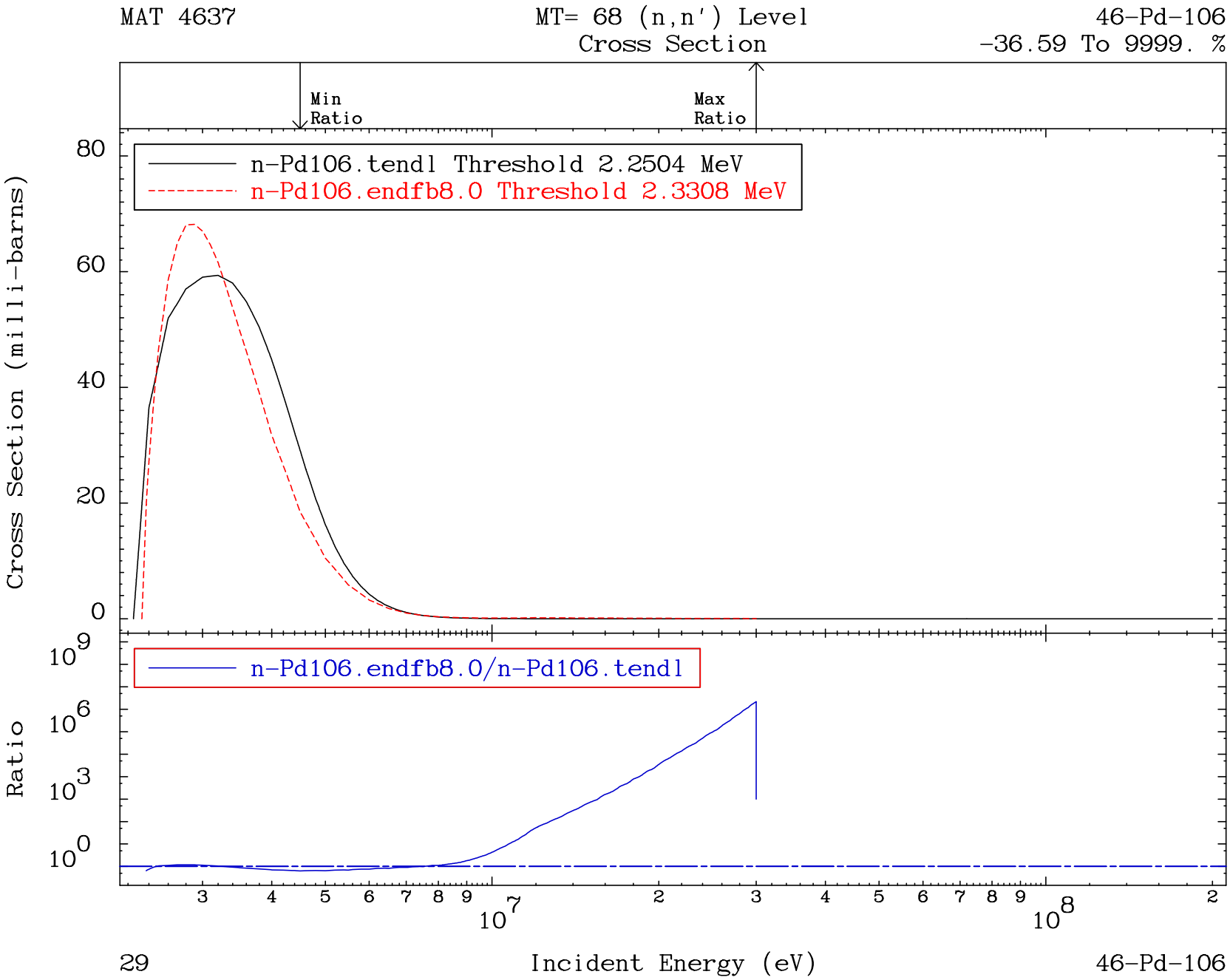

MAT 4637
MT= 63 (n,n') Level
Cross Section
46-Pd-106
-13.02 To 5443. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 1.9507 MeV
n-Pd106.endfb8.0 Threshold 2.1037 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^2
10^1
10^0
4
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
46-Pd-106

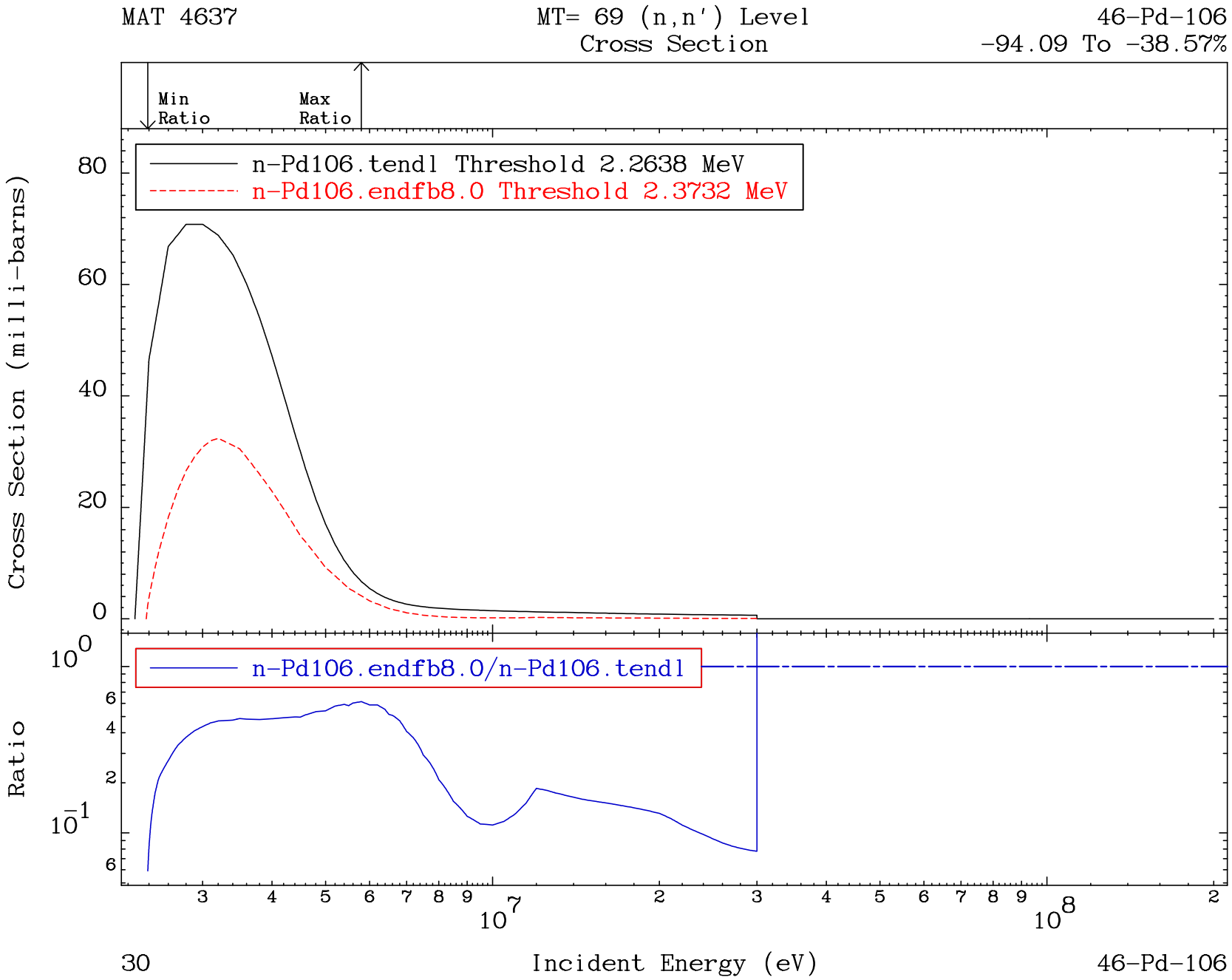

MAT 4637
MT= 64 (n,n') Level
Cross Section
46-Pd-106
-99.85 To -52.30%
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 2.0205 MeV
n-Pd106.endfb8.0 Threshold 2.2638 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
46-Pd-106

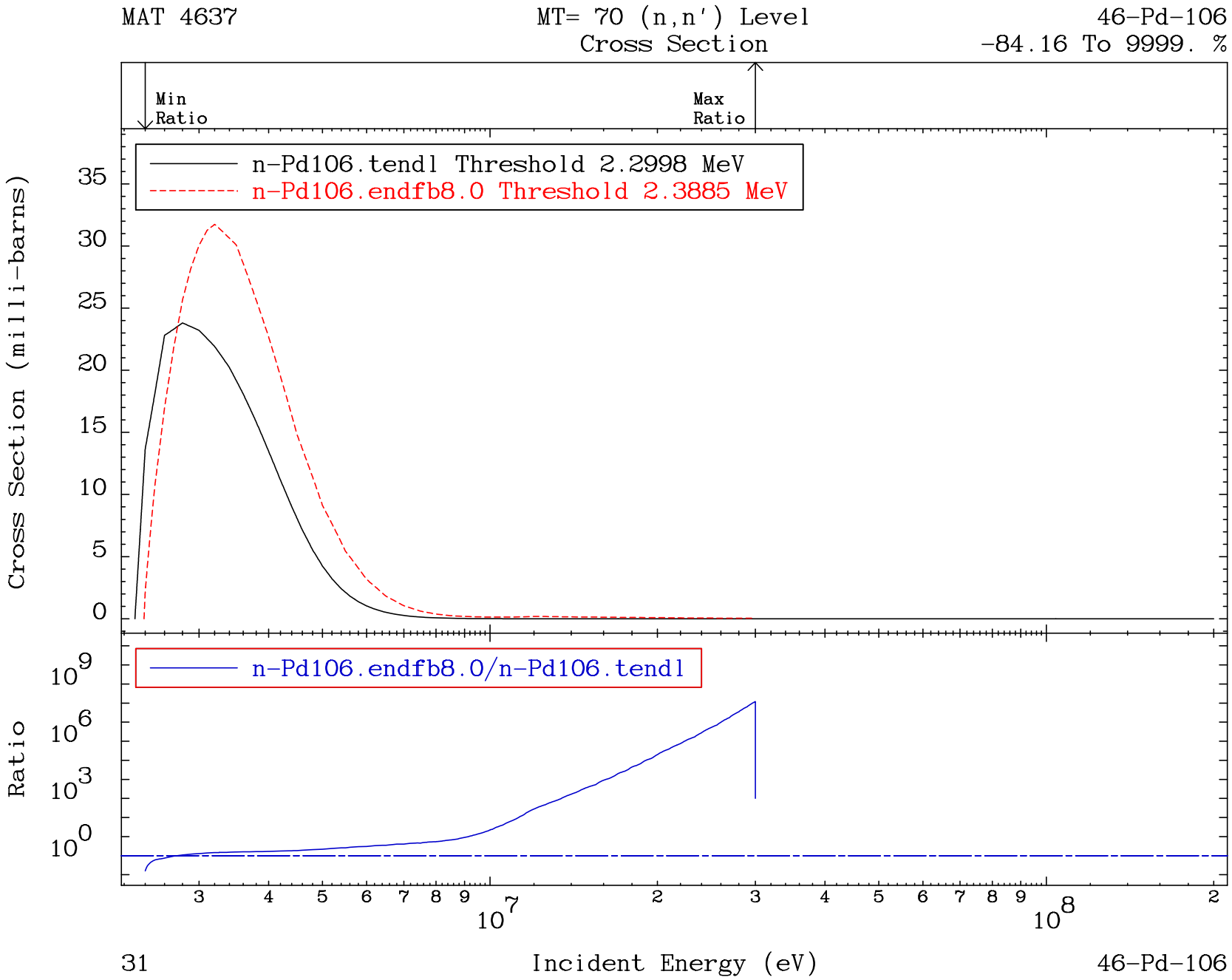

MAT 4637
MT= 65 (n,n') Level
Cross Section
46-Pd-106
-99.86 To -33.85%
Max
Ratio
n-Pd106.tendl Threshold 2.0965 MeV
n-Pd106.endfb8.0 Threshold 2.2998 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
46-Pd-106

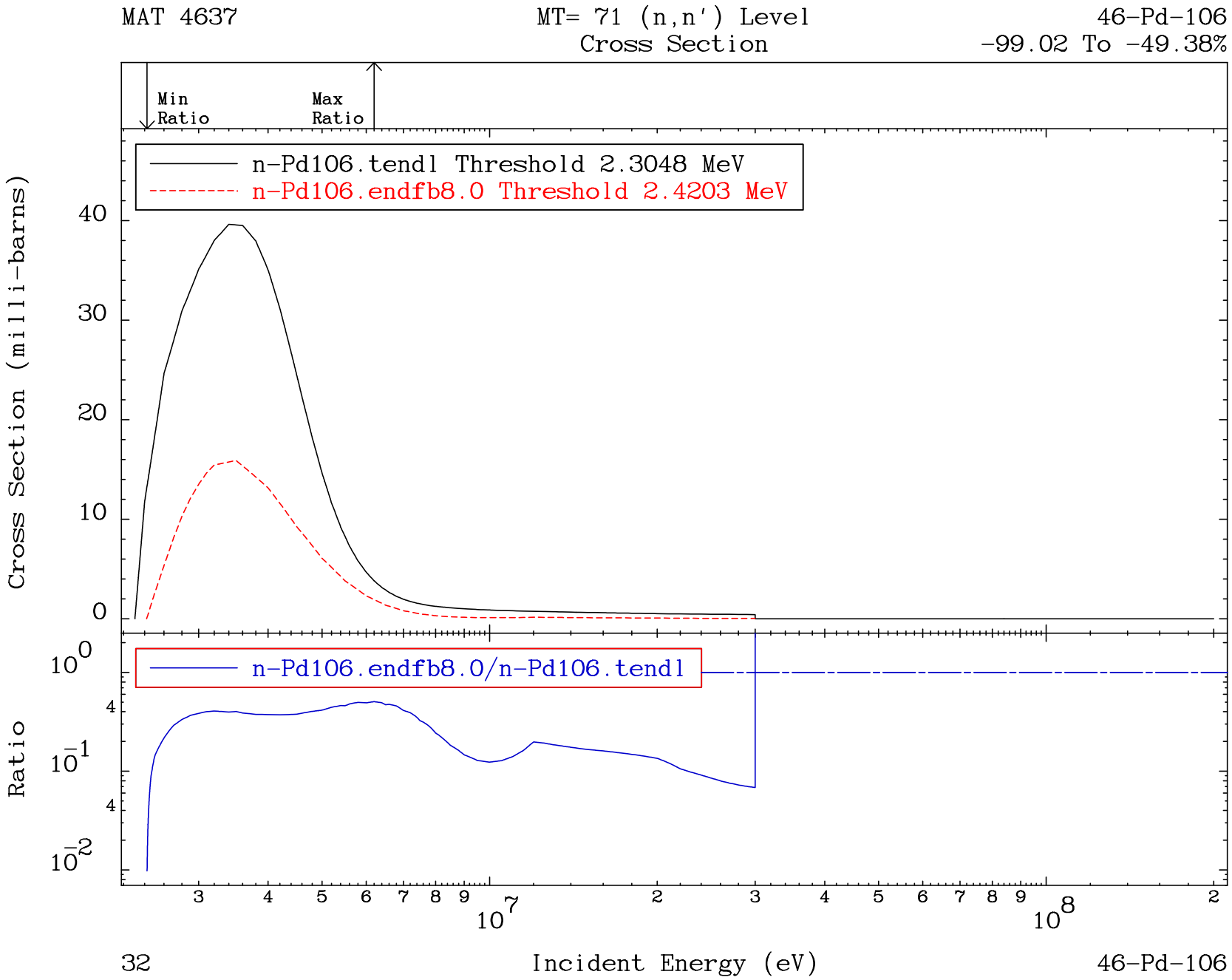

MAT 4637
MT= 66 (n,n') Level
Cross Section
46-Pd-106
-92.50 To 952.5 %
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 2.1003 MeV
n-Pd106.endfb8.0 Threshold 2.3047 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^{1}
10^{0}
10^{-1}
2 3 4 5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
27
Incident Energy (eV)
46-Pd-106

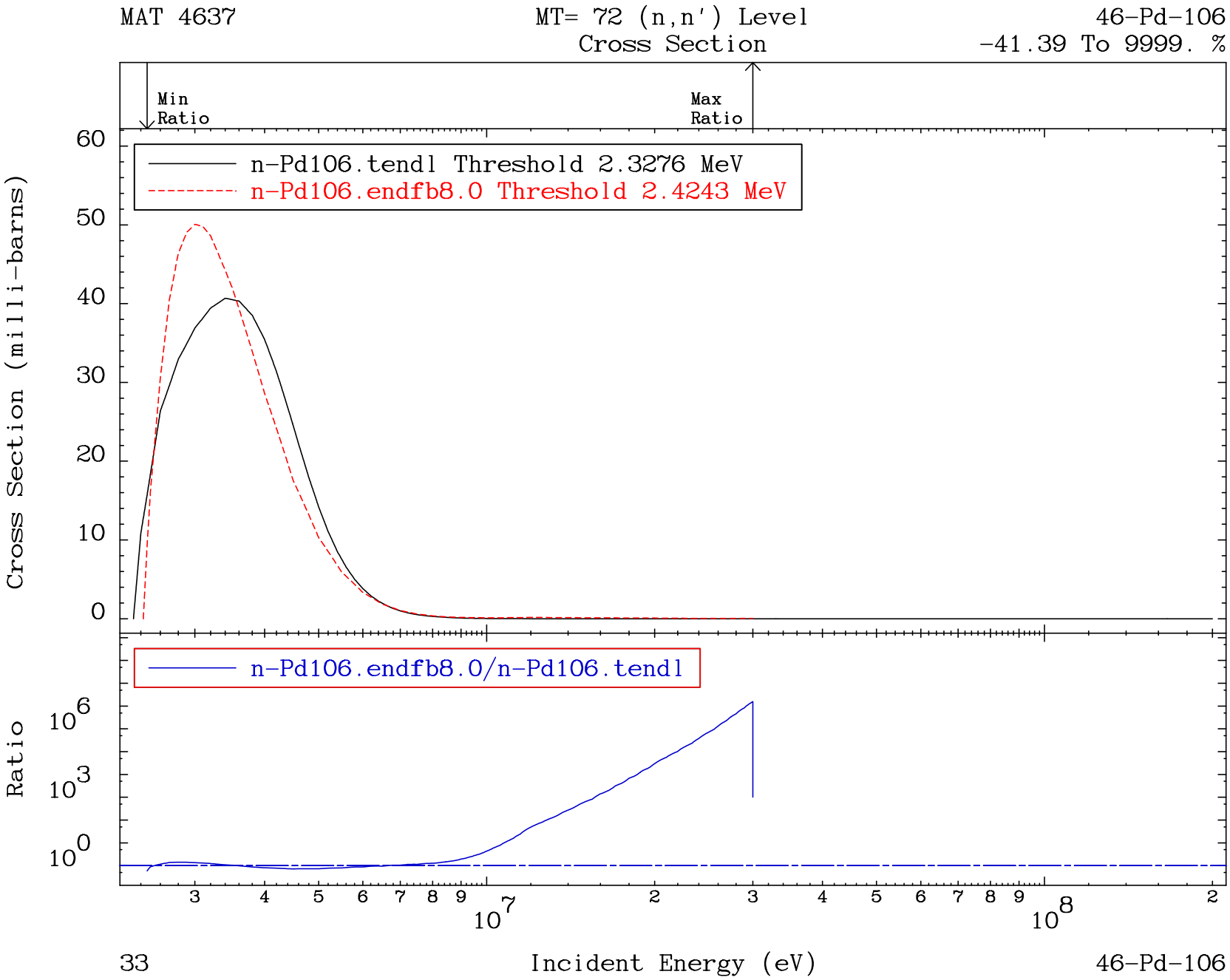

MAT 4637
MT= 67 (n,n') Level
Cross Section
46-Pd-106
-98.94 To -33.09%
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 2.1038 MeV
n-Pd106.endfb8.0 Threshold 2.3275 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
46-Pd-106

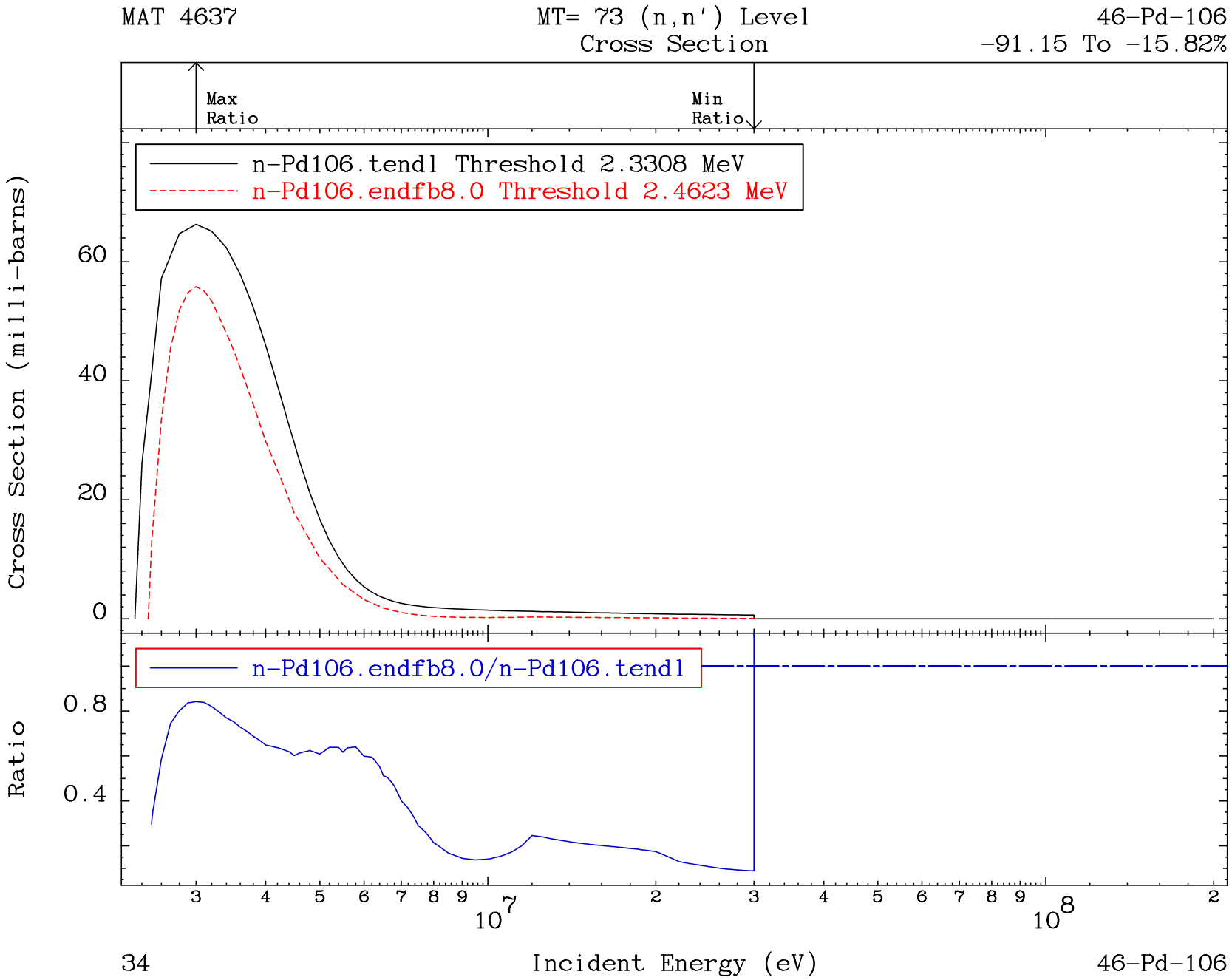

MAT 4637
MT= 68 (n,n') Level
Cross Section
46-Pd-106
-36.59 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 2.2504 MeV
n-Pd106.endfb8.0 Threshold 2.3308 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
46-Pd-106

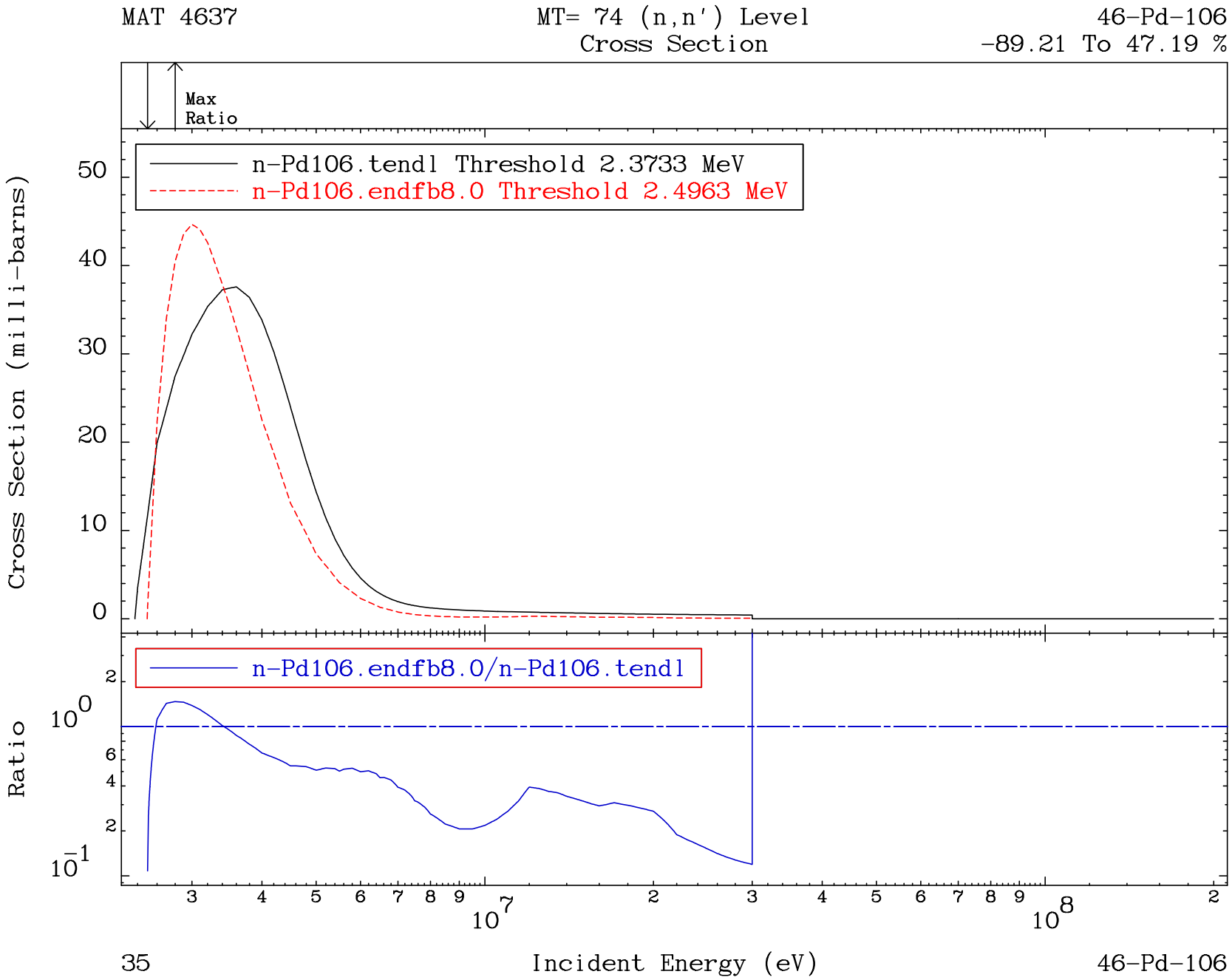

MAT 4637
MT= 69 (n,n') Level
Cross Section
46-Pd-106
-94.09 To -38.57%
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 2.2638 MeV
n-Pd106.endfb8.0 Threshold 2.3732 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
10^-1
6
4
2
6
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
46-Pd-106

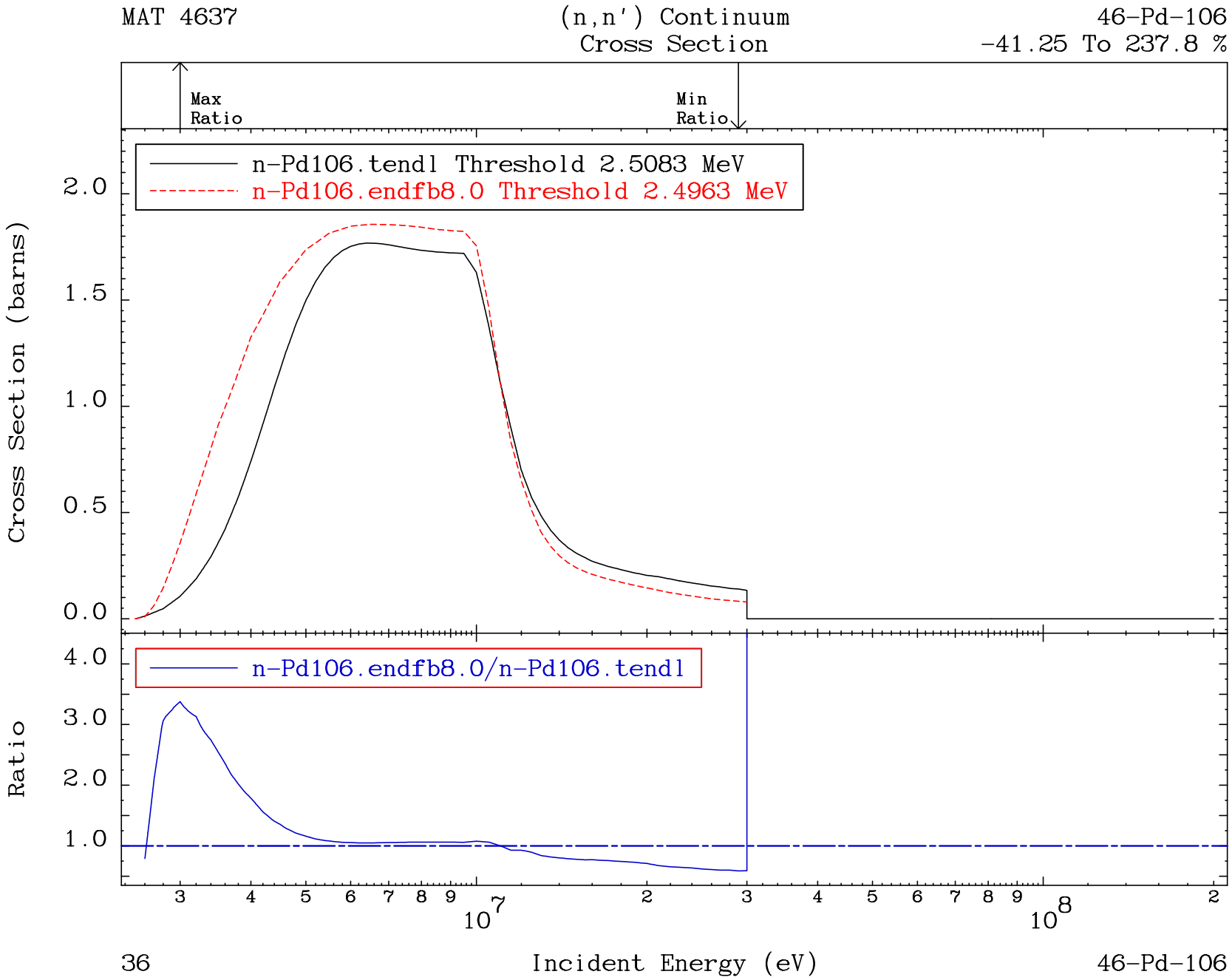

MAT 4637
MT= 70 (n,n') Level
Cross Section
46-Pd-106
-84.16 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 2.2998 MeV
n-Pd106.endfb8.0 Threshold 2.3885 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
46-Pd-106

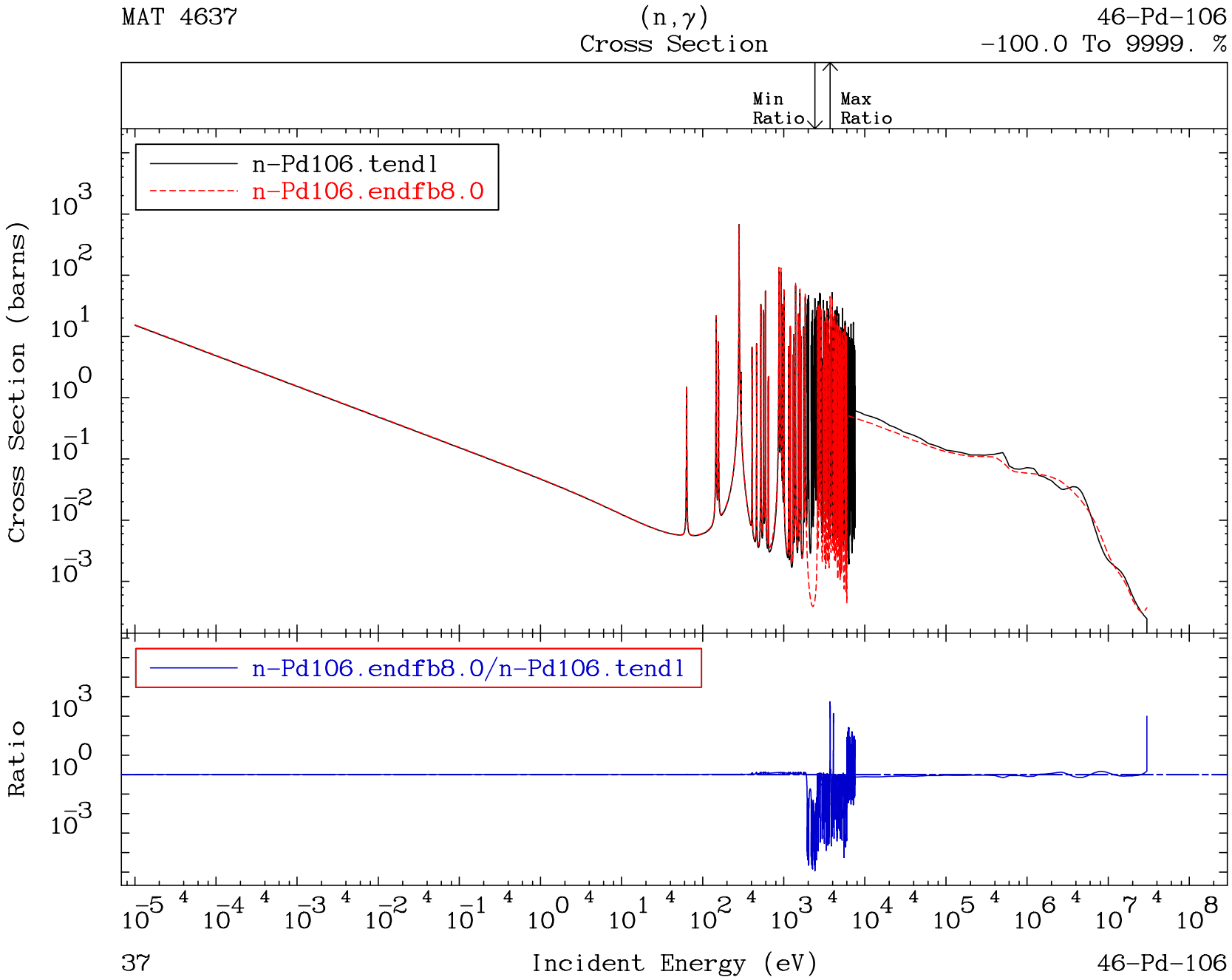

MAT 4637
MT= 71 (n,n') Level
Cross Section
46-Pd-106
-99.02 To -49.38%
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 2.3048 MeV
n-Pd106.endfb8.0 Threshold 2.4203 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^0
4
10^-1
4
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
46-Pd-106

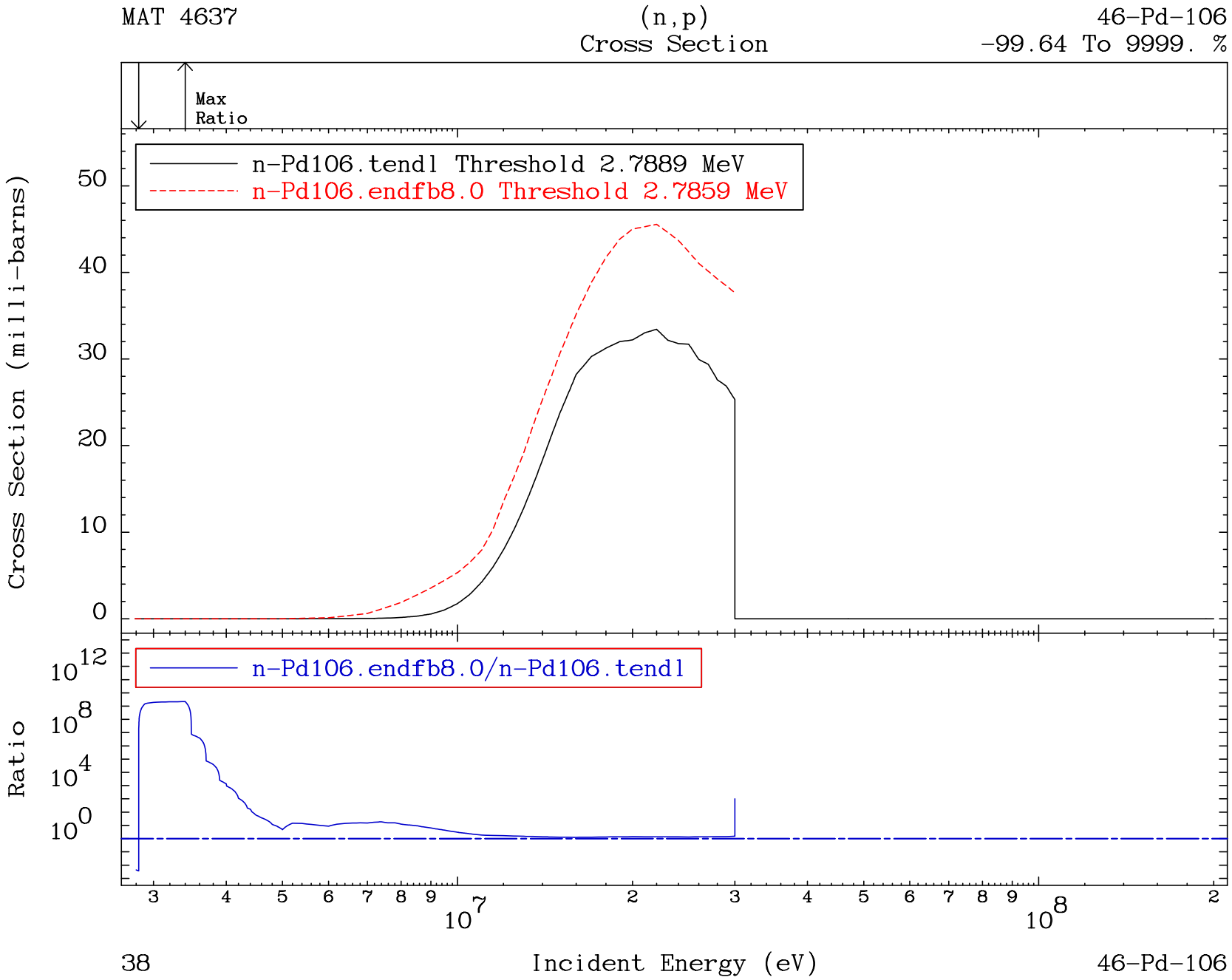

MAT 4637
MT= 72 (n,n') Level
Cross Section
46-Pd-106
-41.39 To 9999. %
Min
Ratio
Max
Ratio
n-Pd106.tendl Threshold 2.3276 MeV
n-Pd106.endfb8.0 Threshold 2.4243 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^6
10^3
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
33
Incident Energy (eV)
46-Pd-106

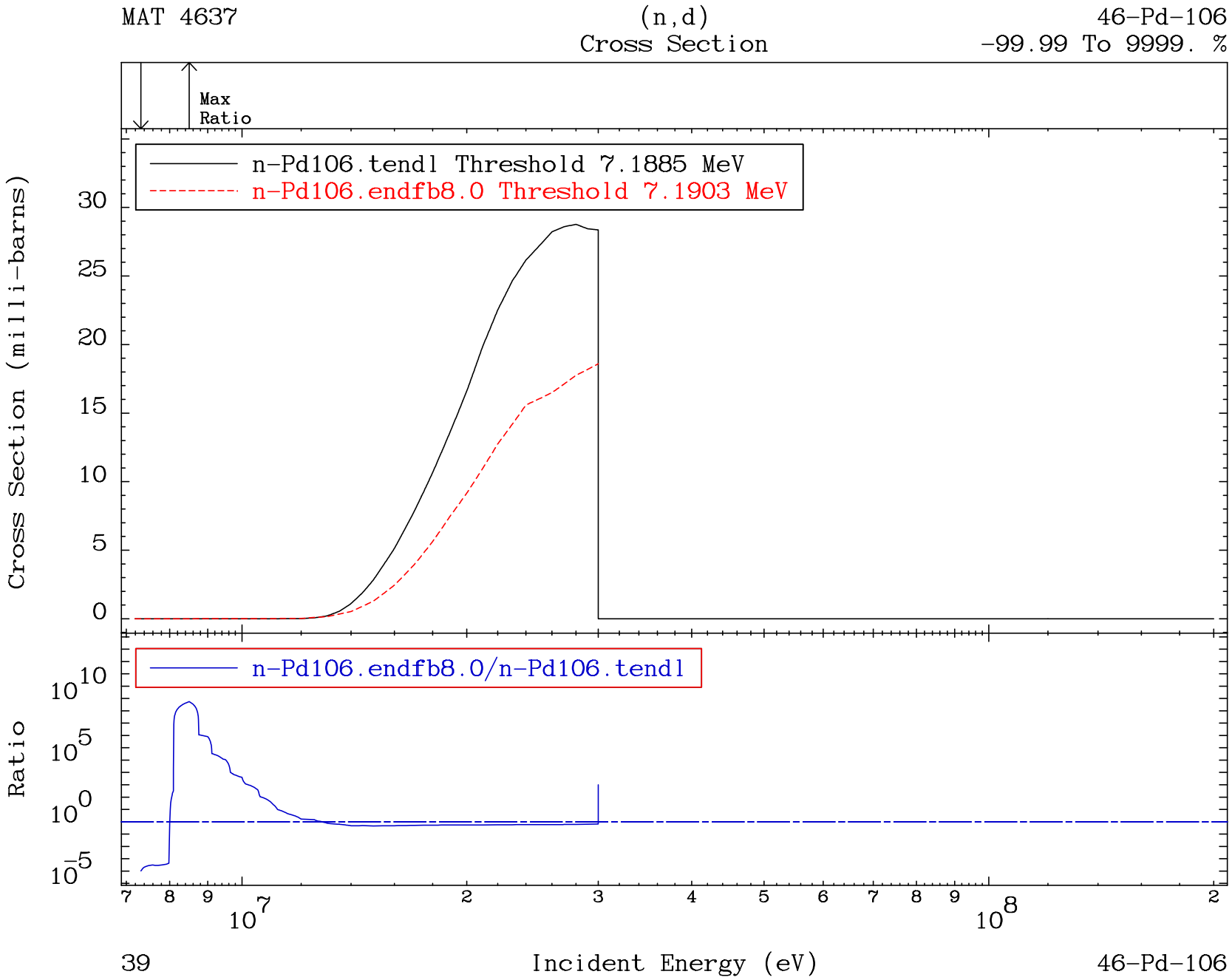

MAT 4637
MT= 73 (n,n') Level
Cross Section
46-Pd-106
-91.15 To -15.82%
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 2.3308 MeV
n-Pd106.endfb8.0 Threshold 2.4623 MeV
Cross Section (milli-barns)
60
40
20
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
0.8
0.4
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
46-Pd-106

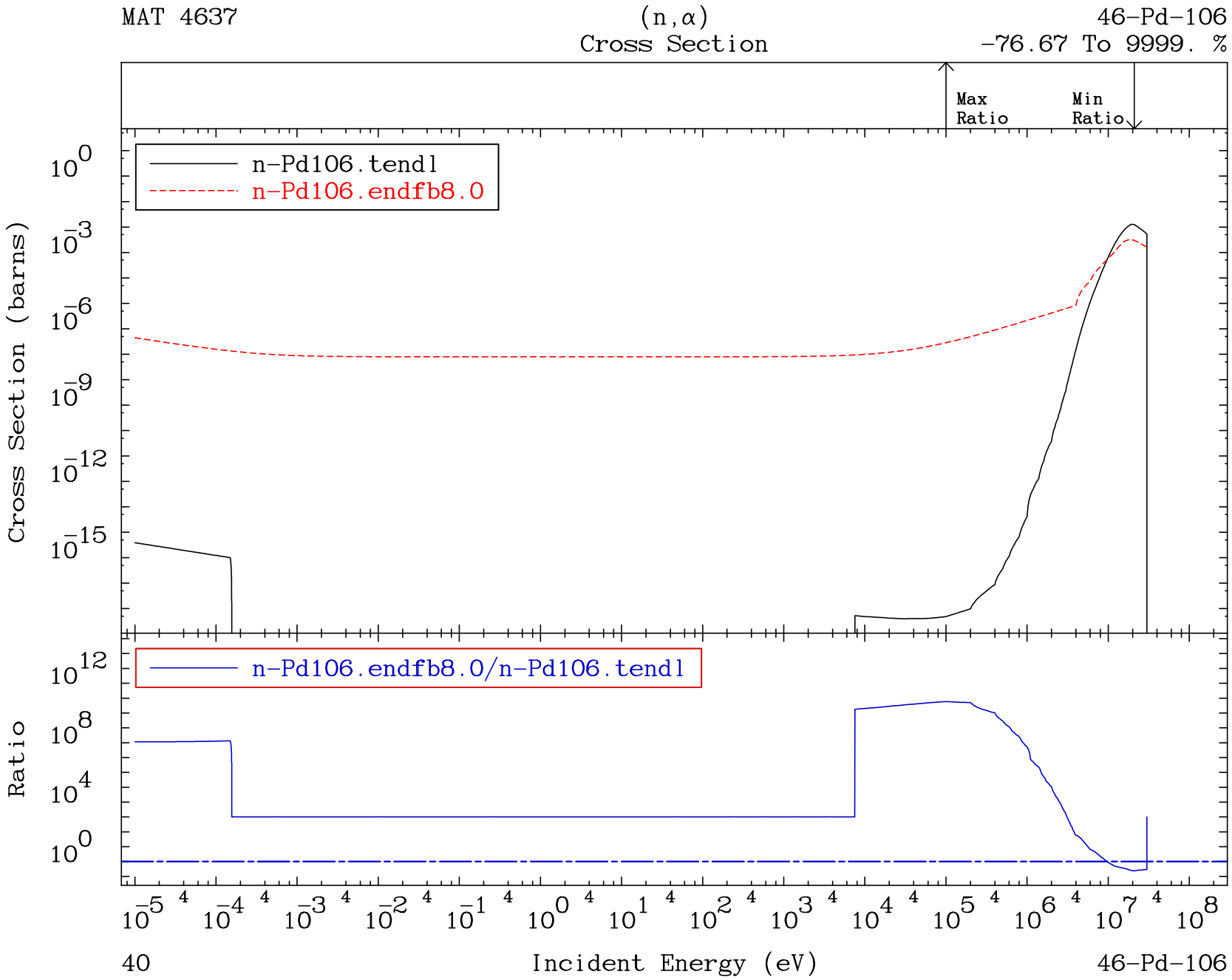

MAT 4637
MT= 74 (n,n') Level
Cross Section
46-Pd-106
-89.21 To 47.19 %
Max
Ratio
n-Pd106.tendl Threshold 2.3733 MeV
n-Pd106.endfb8.0 Threshold 2.4963 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^{0}
10^{-1}
2
6
4
2
3 4 5 6 7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
35
Incident Energy (eV)
46-Pd-106

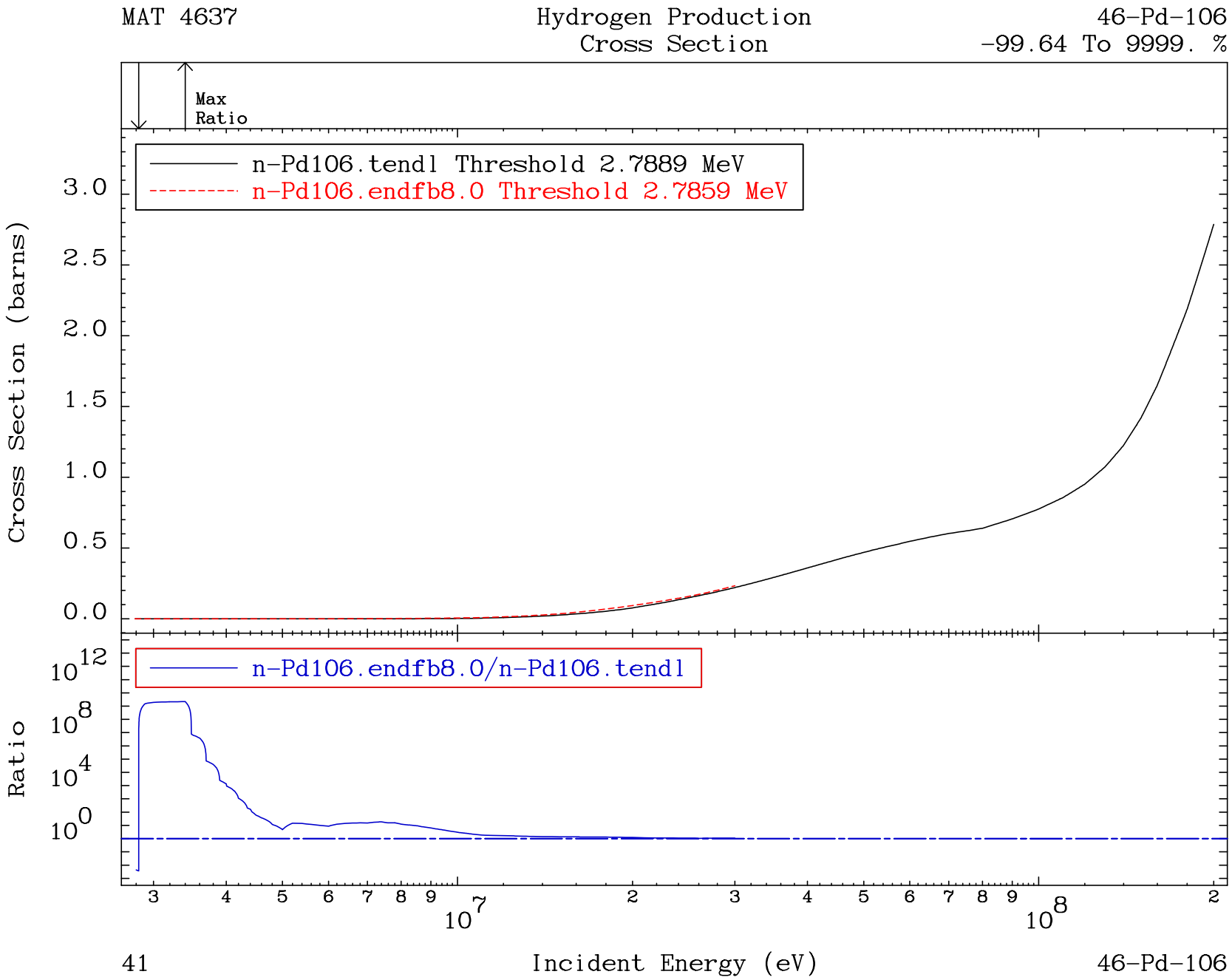

MAT 4637
(n,n') Continuum
Cross Section
46-Pd-106
-41.25 To 237.8 %
Max
Ratio
Min
Ratio
n-Pd106.tendl Threshold 2.5083 MeV
n-Pd106.endfb8.0 Threshold 2.4963 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
4.0
3.0
2.0
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
36
Incident Energy (eV)
46-Pd-106

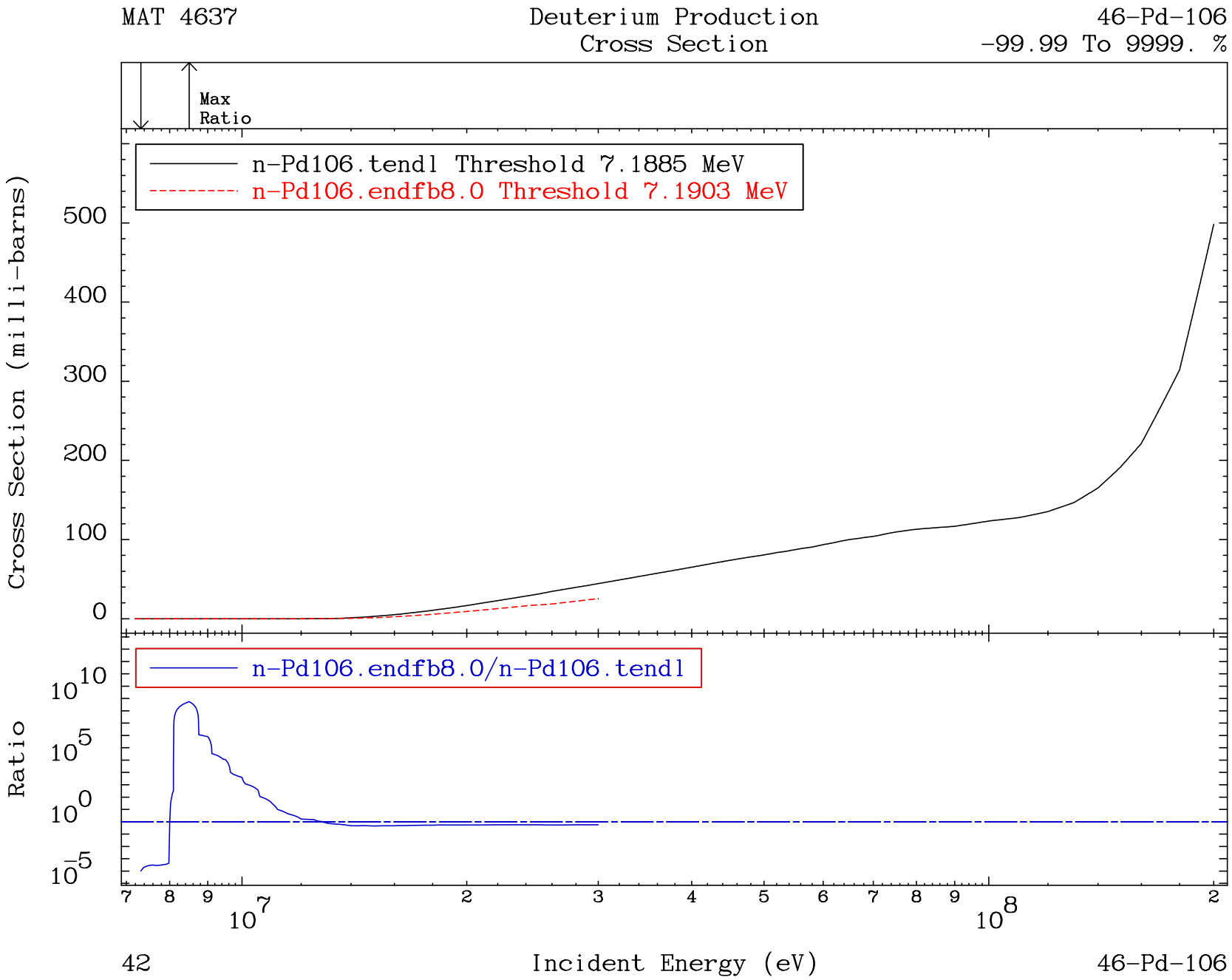

MAT 4637
(n,γ)
Cross Section
46-Pd-106
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
37
46-Pd-106

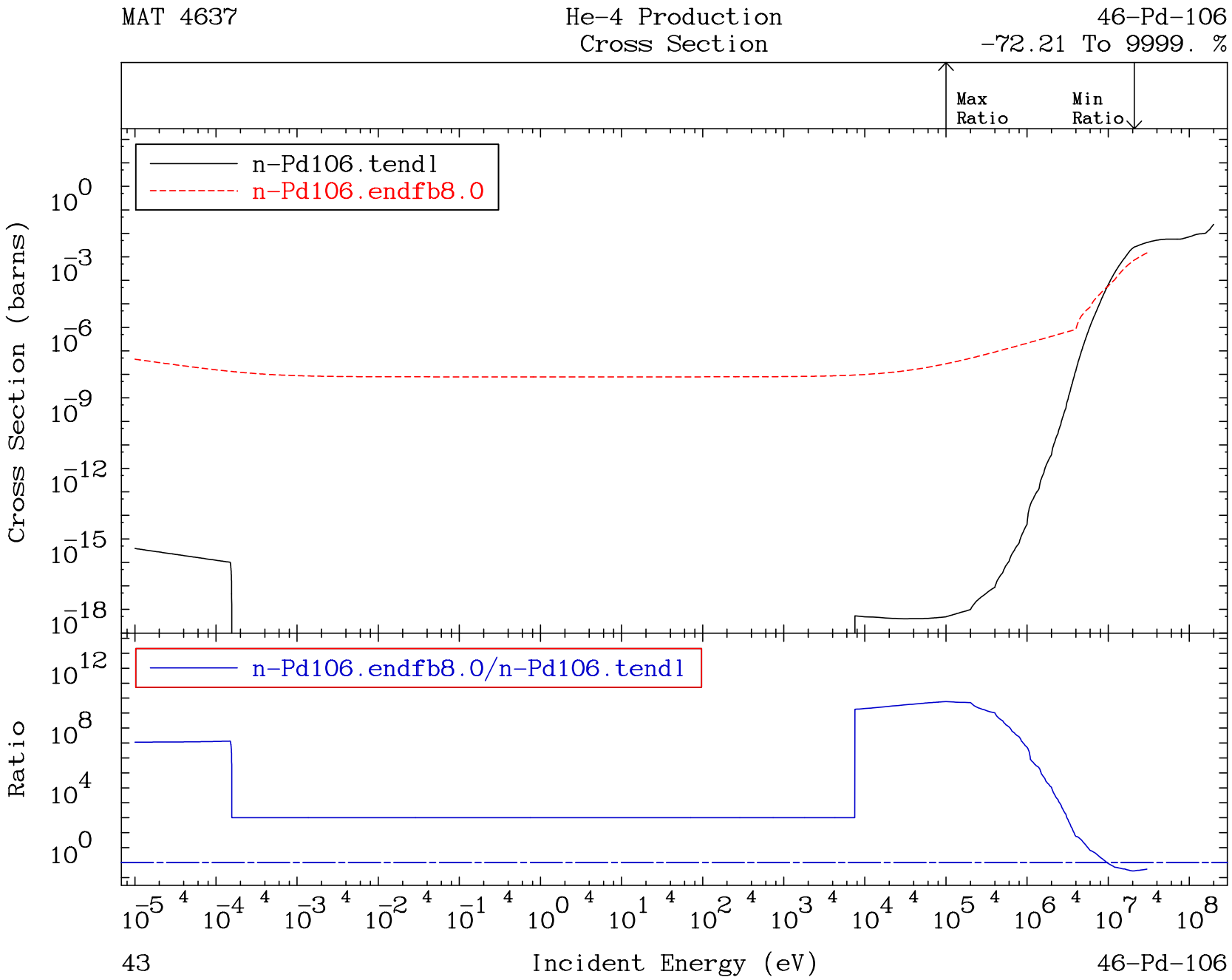

MAT 4637
(n,p)
Cross Section
46-Pd-106
-99.64 To 9999. %
Max
Ratio
n-Pd106.tendl Threshold 2.7889 MeV
n-Pd106.endfb8.0 Threshold 2.7859 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^12
10^8
10^4
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
46-Pd-106

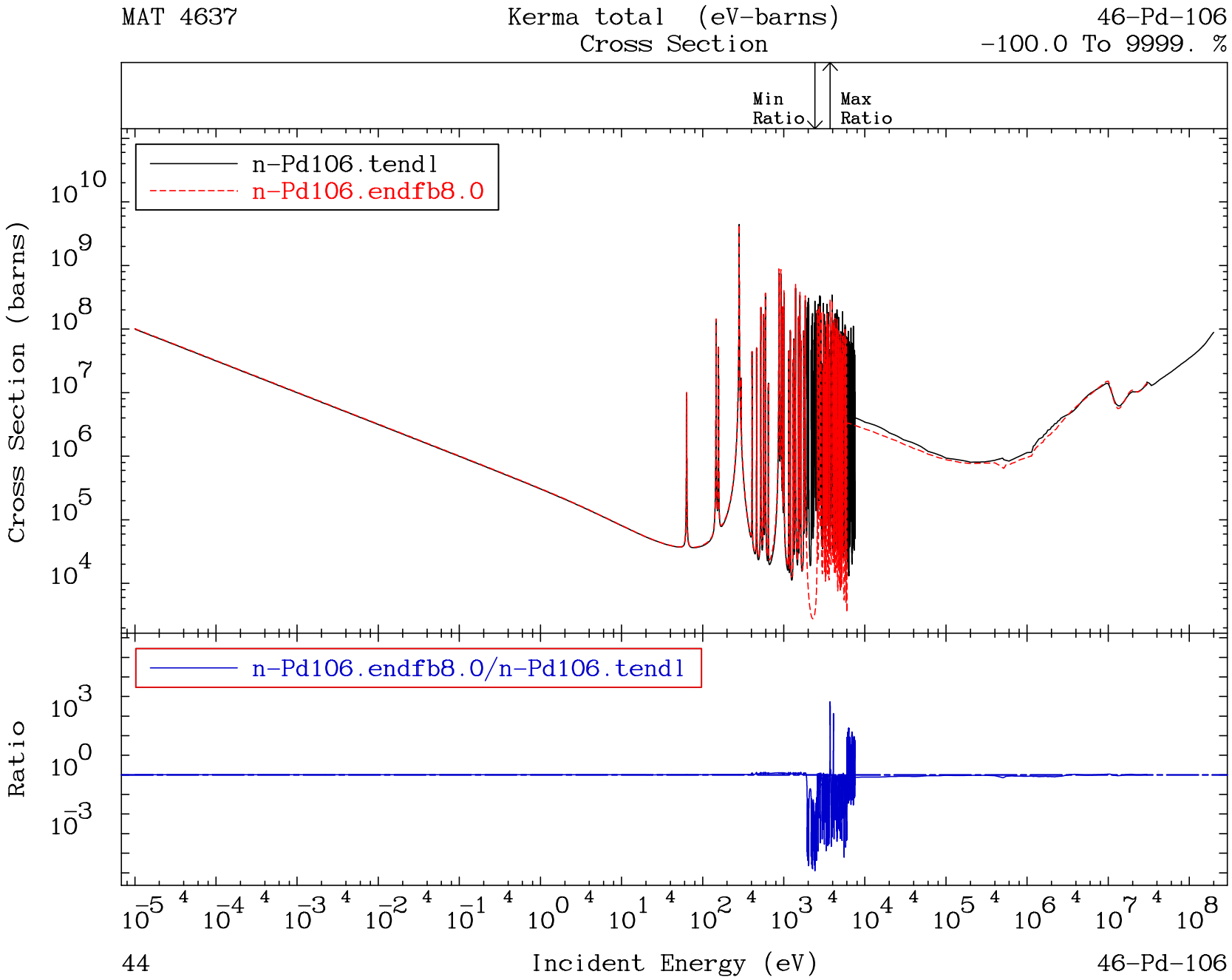

MAT 4637
(n,d)
Cross Section
46-Pd-106
-99.99 To 9999. %
Max
Ratio
n-Pd106.tendl Threshold 7.1885 MeV
n-Pd106.endfb8.0 Threshold 7.1903 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^10
10^5
10^0
10^-5
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
46-Pd-106

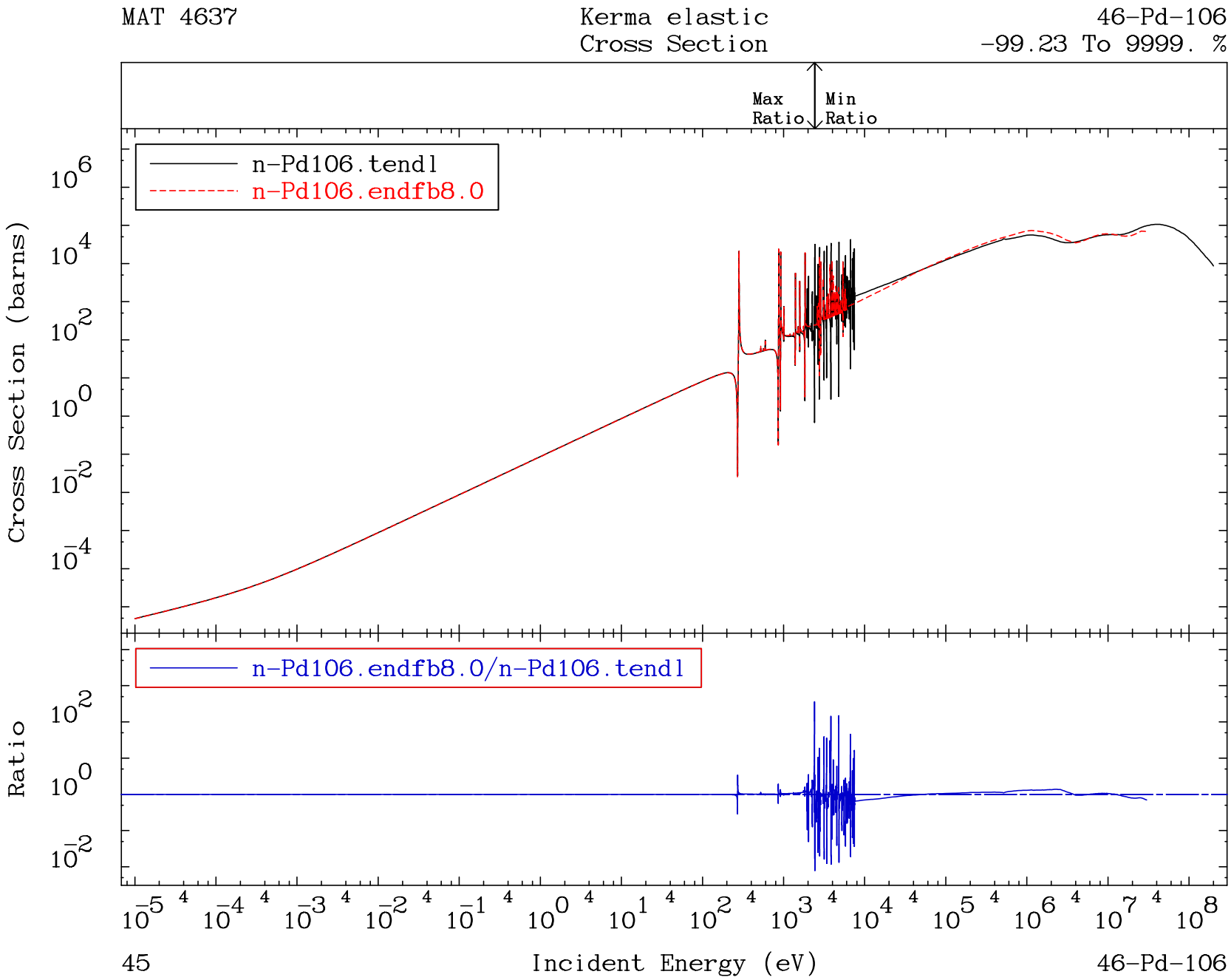

MAT 4637
(n,α)
Cross Section
46-Pd-106
-76.67 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
40
46-Pd-106

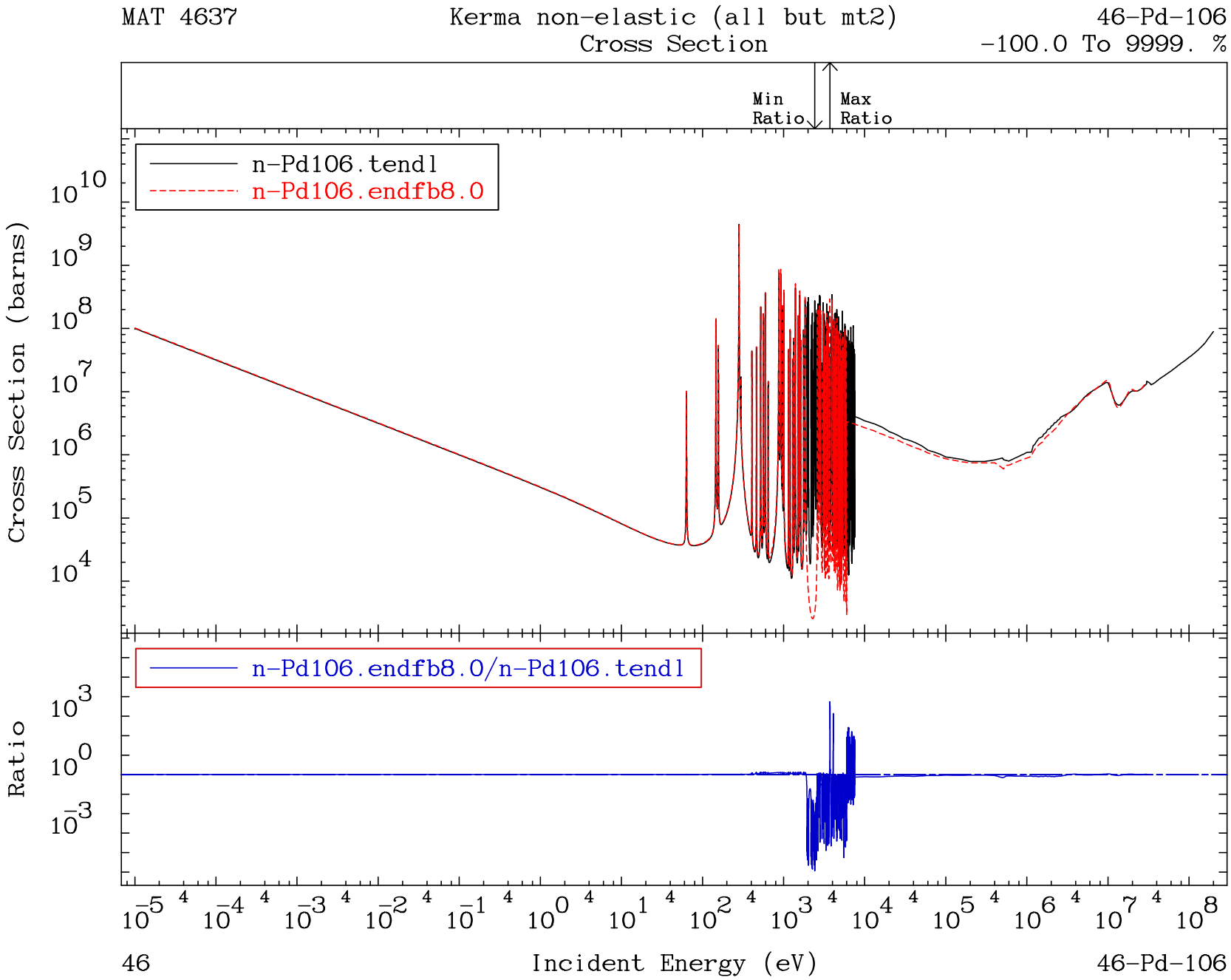

MAT 4637
Hydrogen Production
Cross Section
46-Pd-106
-99.64 To 9999. %
Max
Ratio
n-Pd106.tendl Threshold 2.7889 MeV
n-Pd106.endfb8.0 Threshold 2.7859 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^12
10^8
10^4
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
41
Incident Energy (eV)
46-Pd-106

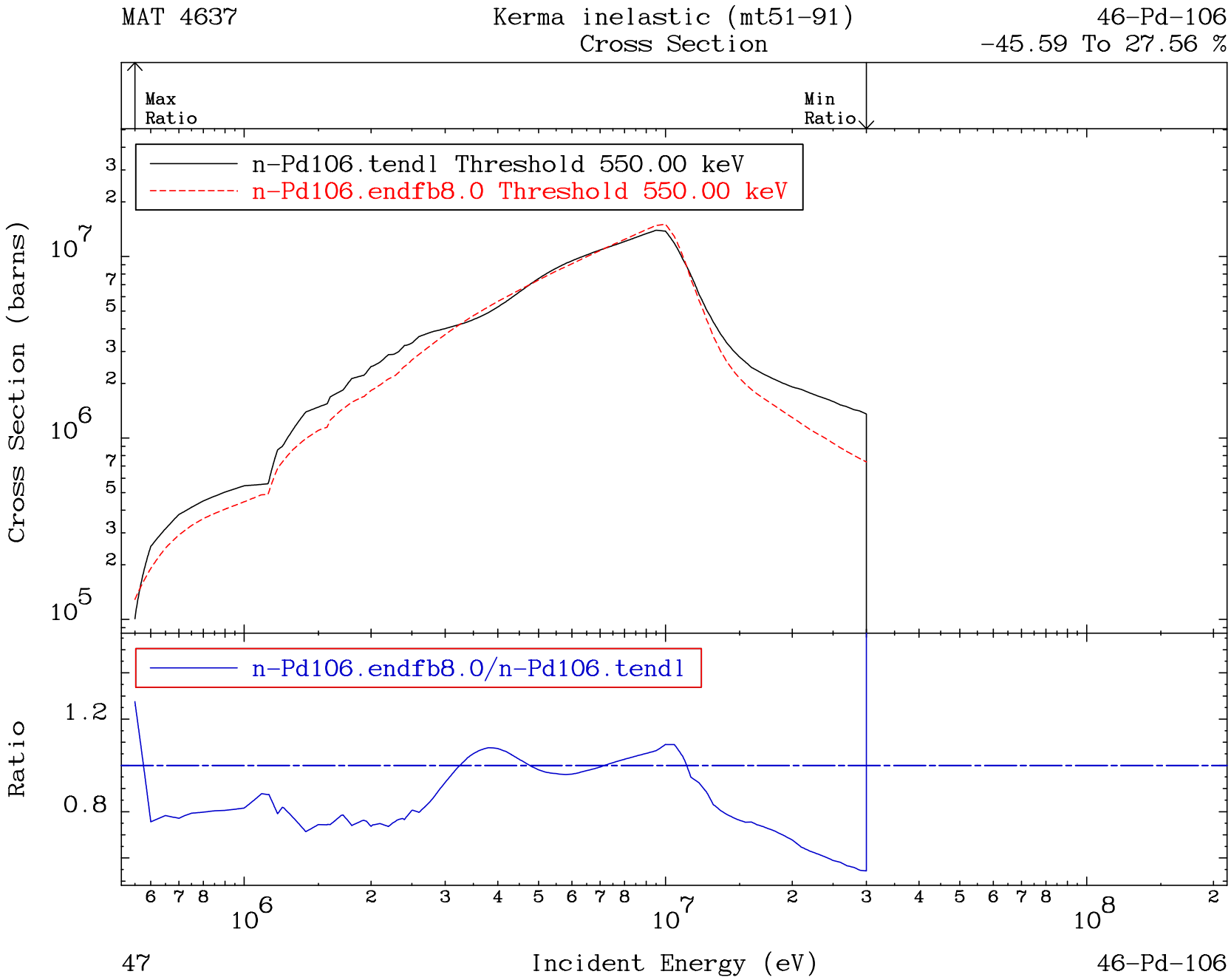

MAT 4637
Deuterium Production
Cross Section
46-Pd-106
-99.99 To 9999. %
Max
Ratio
n-Pd106.tendl Threshold 7.1885 MeV
n-Pd106.endfb8.0 Threshold 7.1903 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
10^10
10^5
10^0
10^-5
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
46-Pd-106

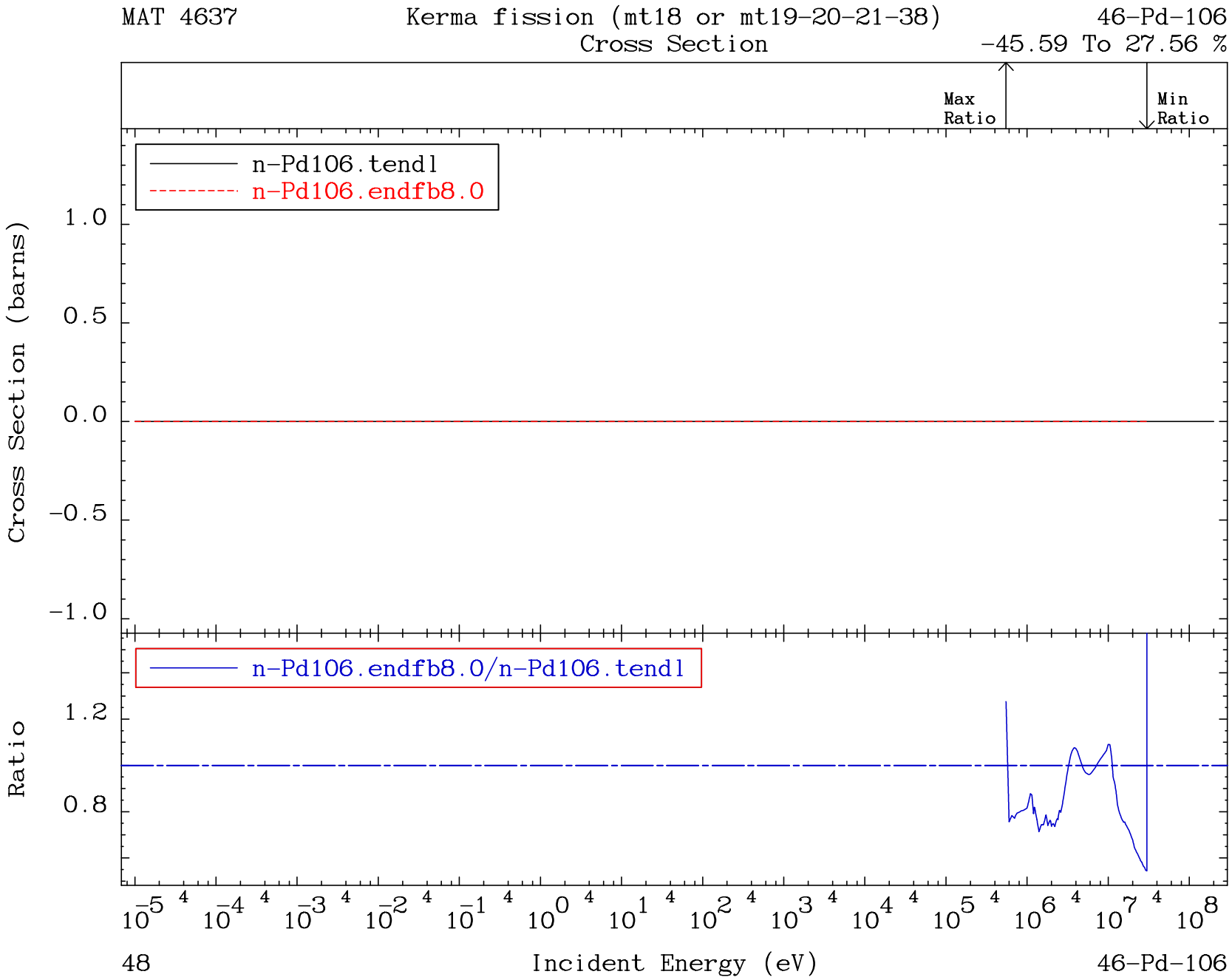

MAT 4637
He-4 Production
Cross Section
46-Pd-106
-72.21 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
43
46-Pd-106

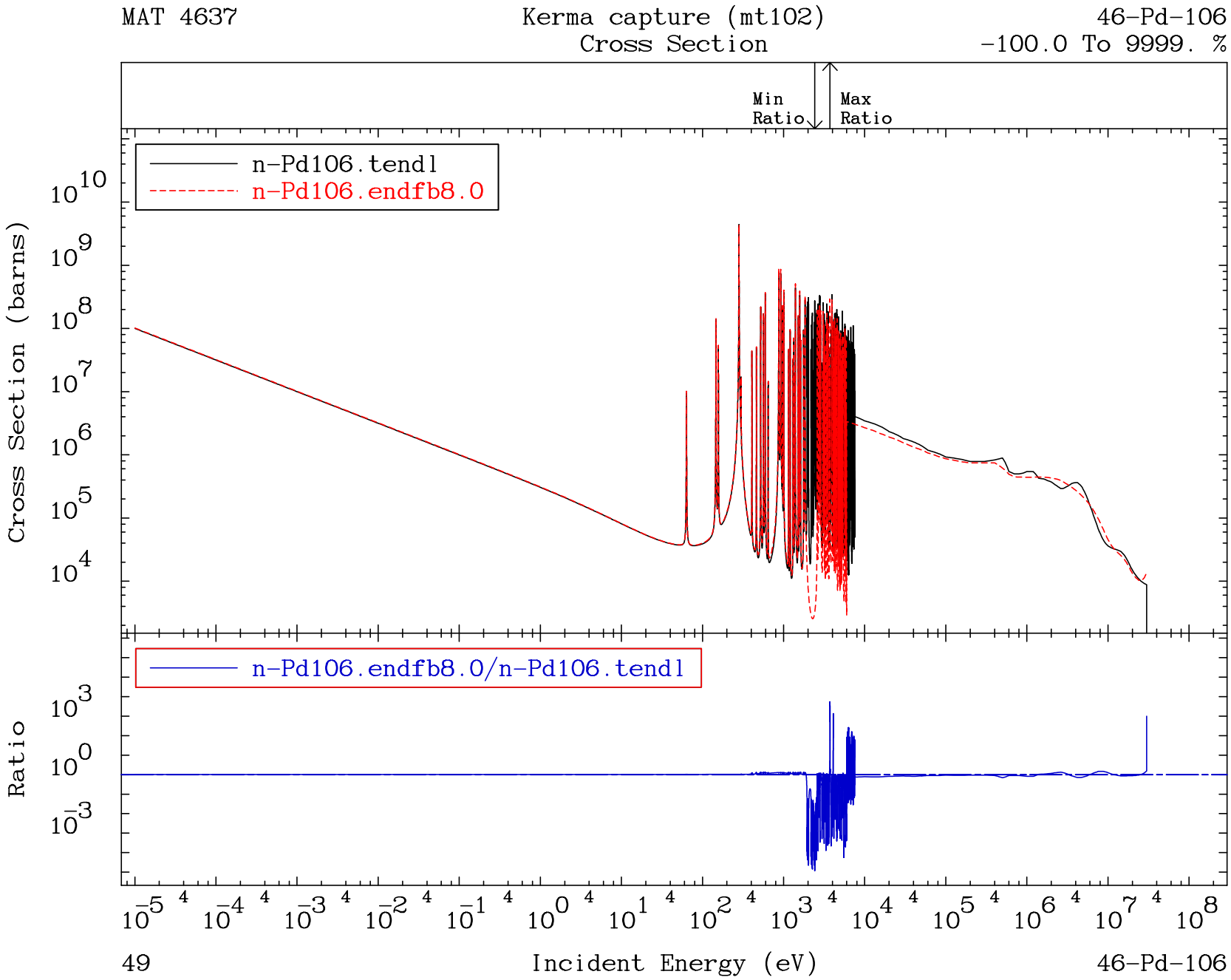

MAT 4637
Kerma total (eV-barns)
Cross Section
46-Pd-106
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
44
46-Pd-106

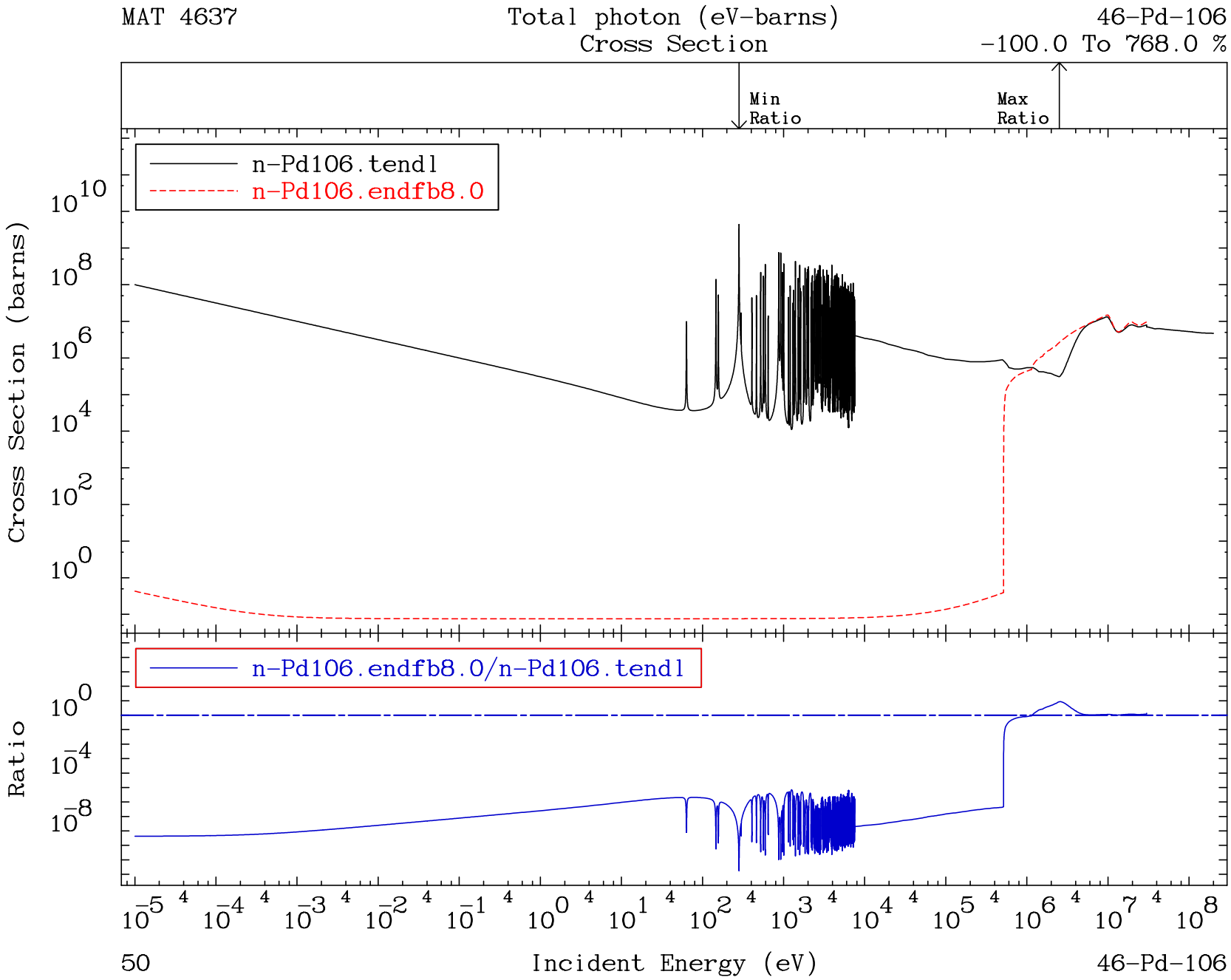

MAT 4637
Kerma elastic
Cross Section
46-Pd-106
-99.23 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
45
46-Pd-106

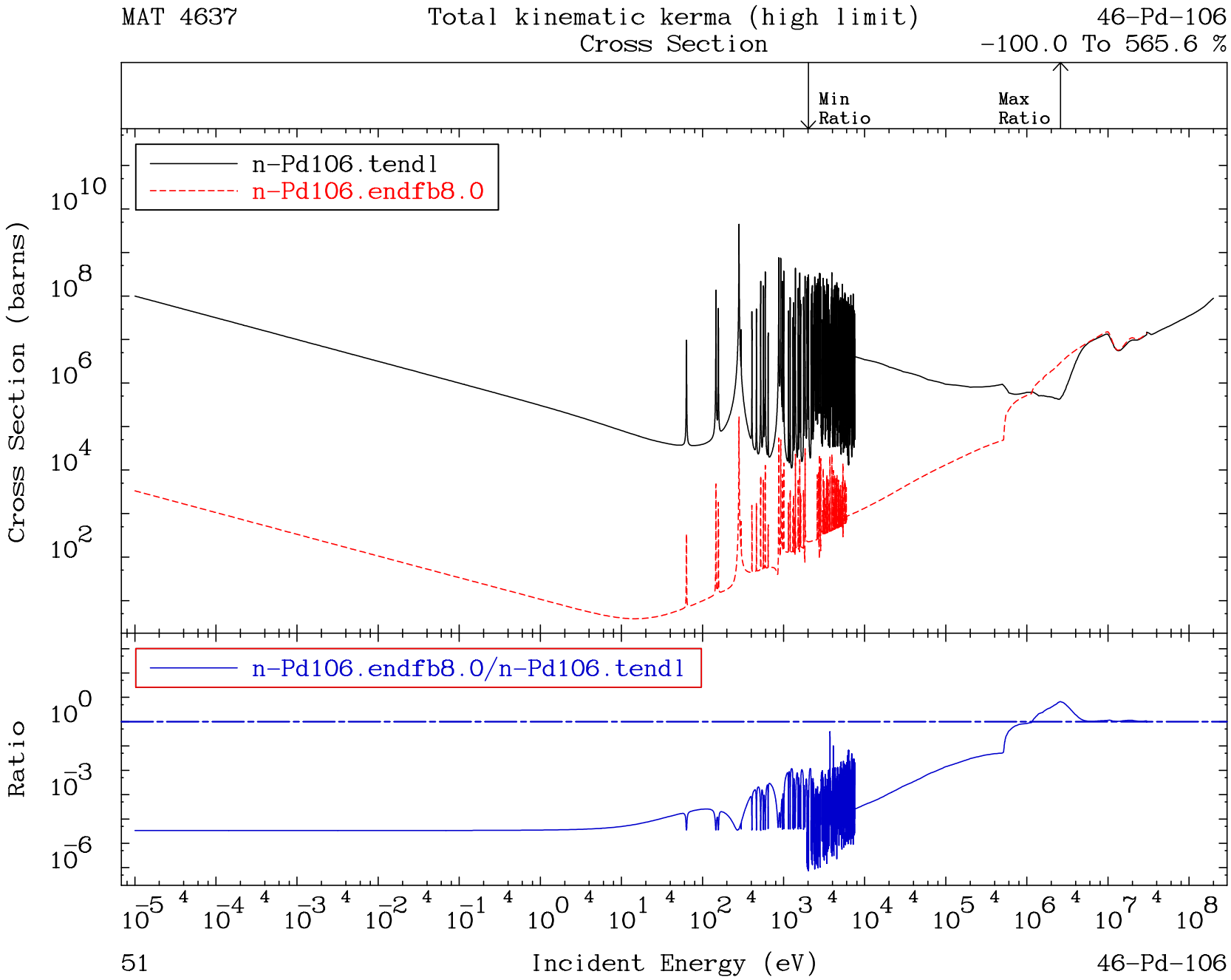

MAT 4637
Kerma non-elastic (all but mt2)
Cross Section
46-Pd-106
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
46
46-Pd-106

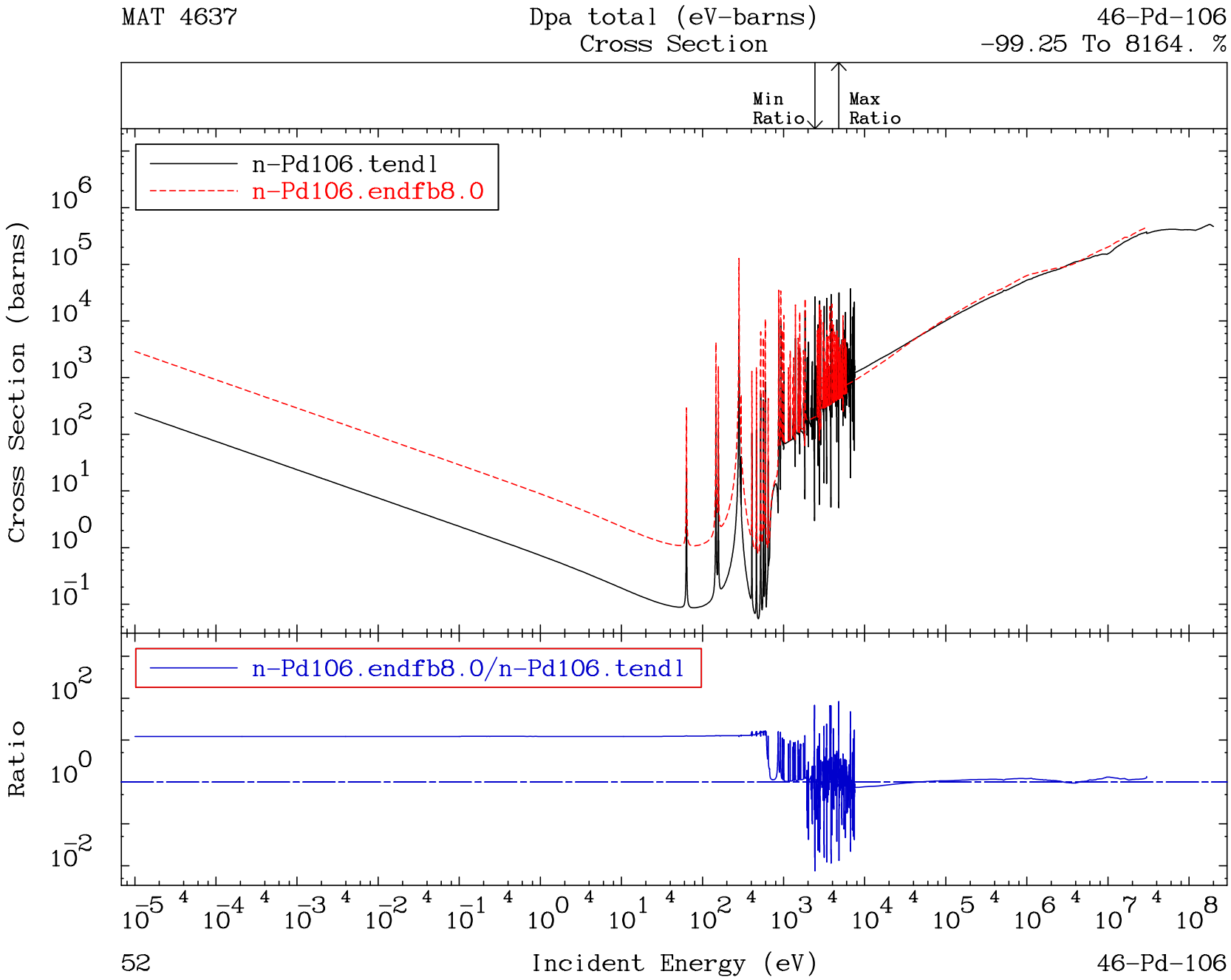

MAT 4637
Kerma inelastic (mt51-91)
Cross Section
46-Pd-106
-45.59 To 27.56 %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 550.00 keV
n-Pd106.endfb8.0 Threshold 550.00 keV
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
47
46-Pd-106

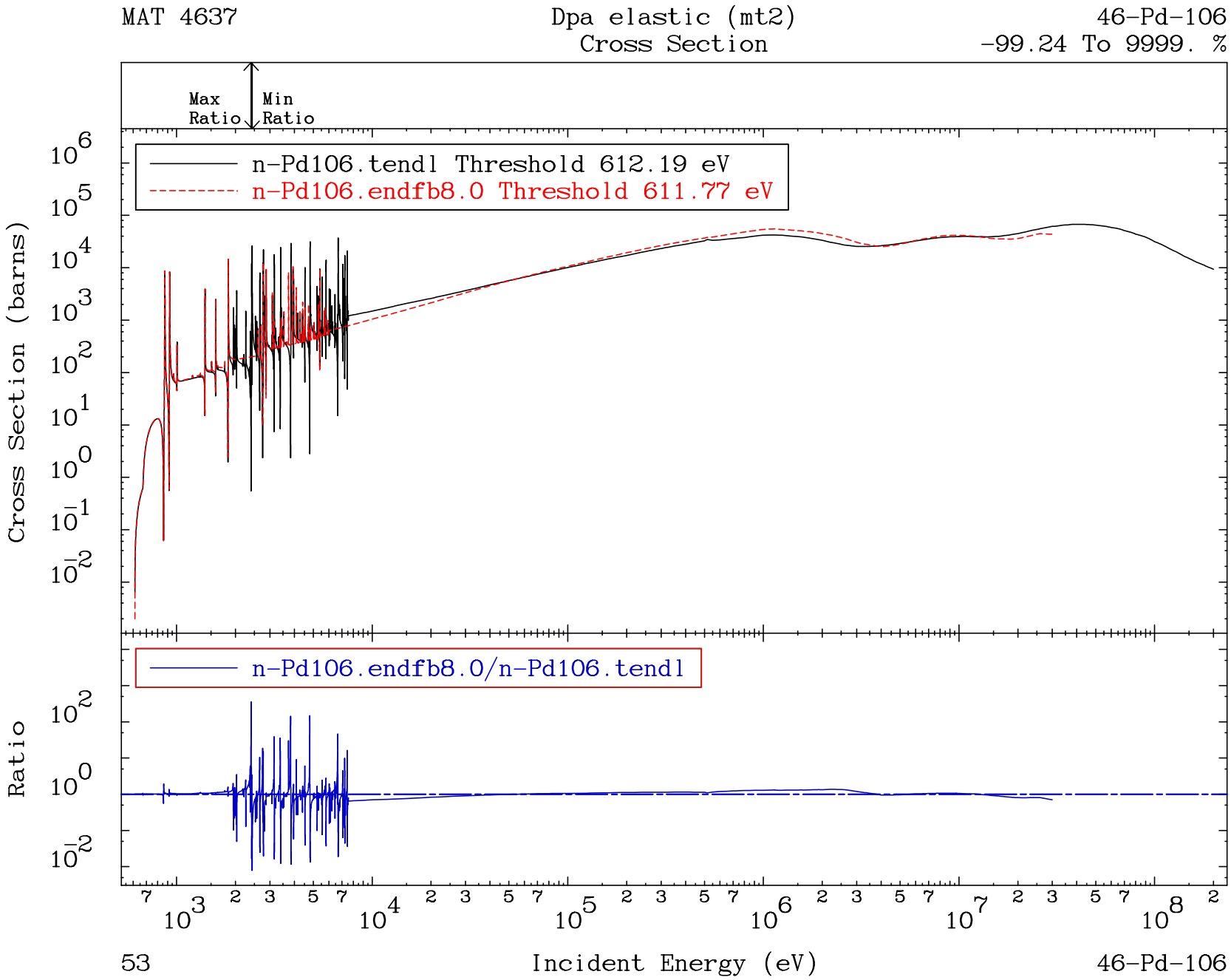

MAT 4637
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
46-Pd-106
-45.59 To 27.56 %
Max Ratio
Min Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
1.2
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
46-Pd-106

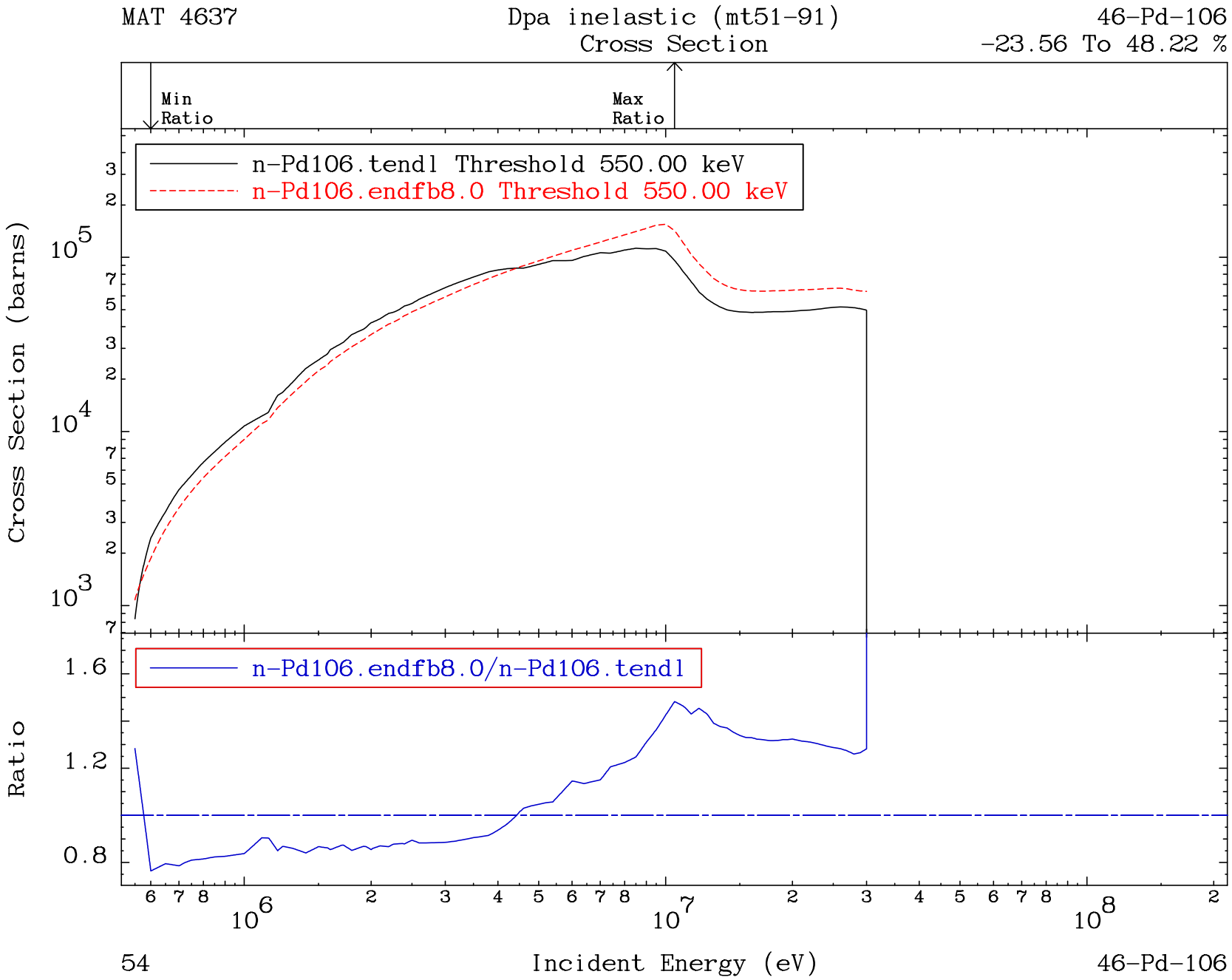

MAT 4637
Kerma capture (mt102)
Cross Section
46-Pd-106
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
49
46-Pd-106

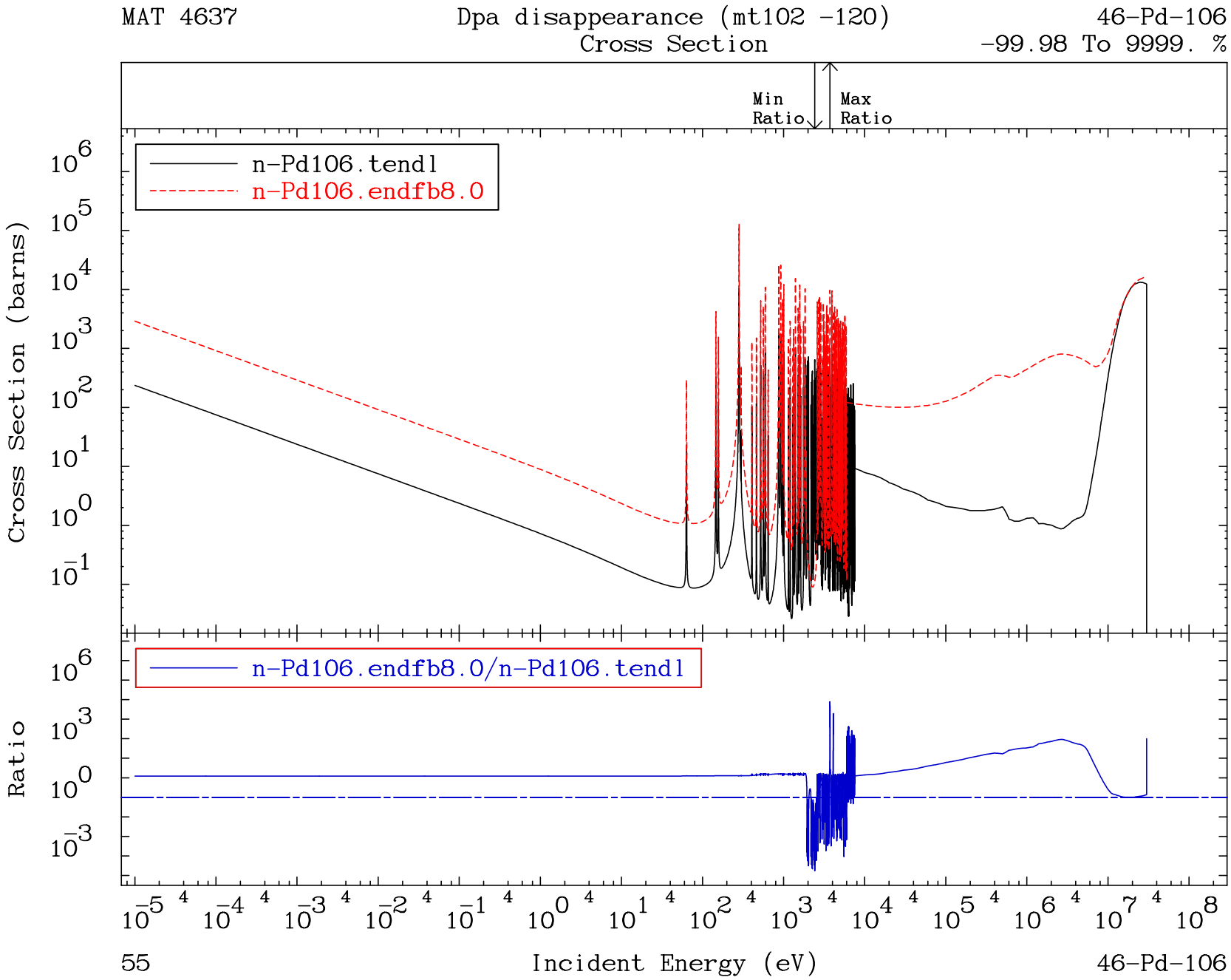

MAT 4637
Total photon (eV-barns)
Cross Section
46-Pd-106
-100.0 To 768.0 %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
50
46-Pd-106


MAT 4637
Total kinematic kerma (high limit)
Cross Section
46-Pd-106
-100.0 To 565.6 %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
51
46-Pd-106


MAT 4637
Dpa total (eV-barns)
Cross Section
46-Pd-106
-99.25 To 8164. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
52
46-Pd-106


MAT 4637
Dpa elastic (mt2)
Cross Section
46-Pd-106
-99.24 To 9999. %
Max Ratio
Min Ratio
n-Pd106.tendl Threshold 612.19 eV
n-Pd106.endfb8.0 Threshold 611.77 eV
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
53
46-Pd-106


MAT 4637
Dpa inelastic (mt51-91)
Cross Section
46-Pd-106
-23.56 To 48.22 %
Min Ratio
Max Ratio
n-Pd106.tendl Threshold 550.00 keV
n-Pd106.endfb8.0 Threshold 550.00 keV
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
54
46-Pd-106


MAT 4637
Dpa disappearance (mt102 -120)
Cross Section
46-Pd-106
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Pd106.tendl
n-Pd106.endfb8.0
Cross Section (barns)
n-Pd106.endfb8.0/n-Pd106.tendl
Ratio
Incident Energy (eV)
55
46-Pd-106