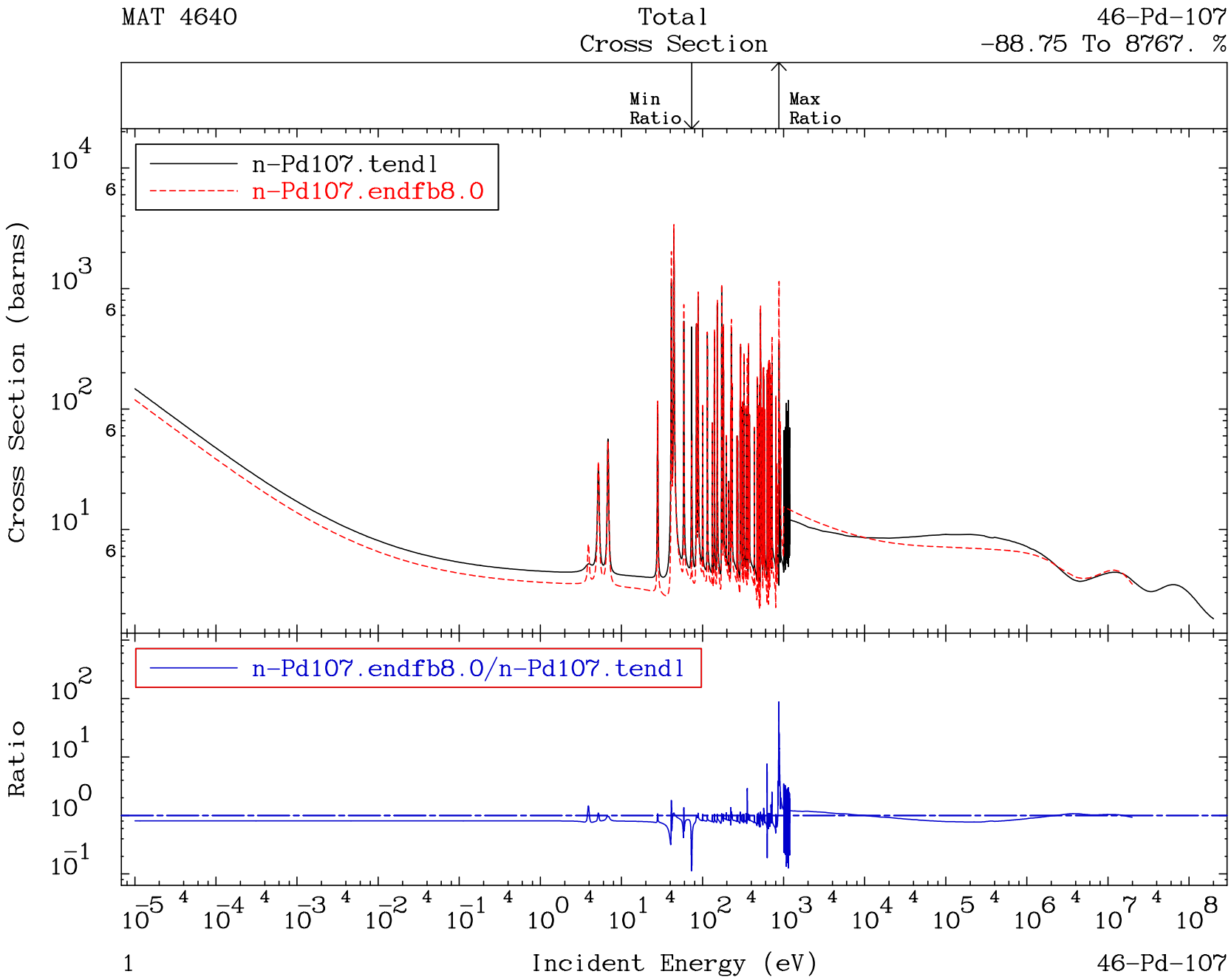
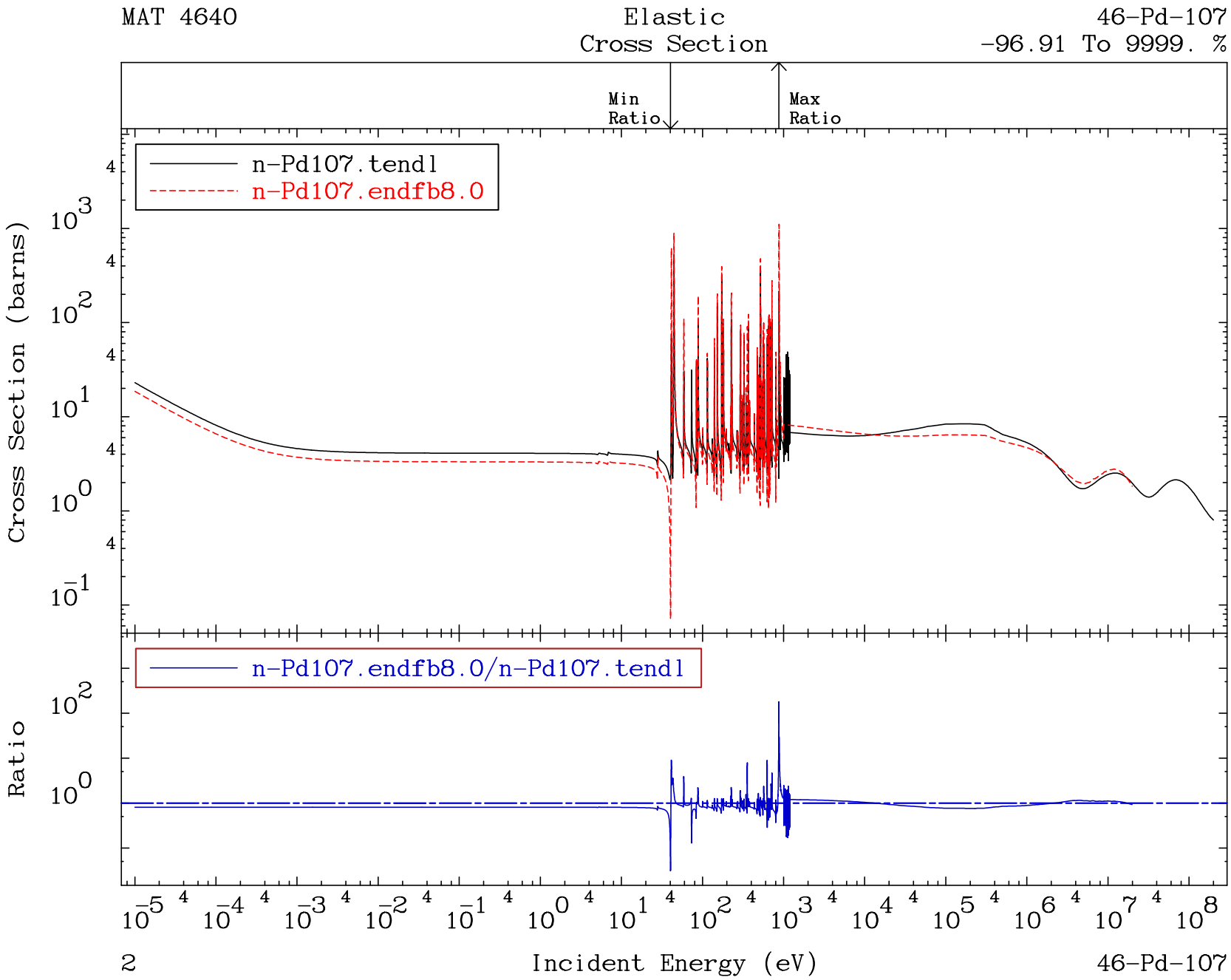
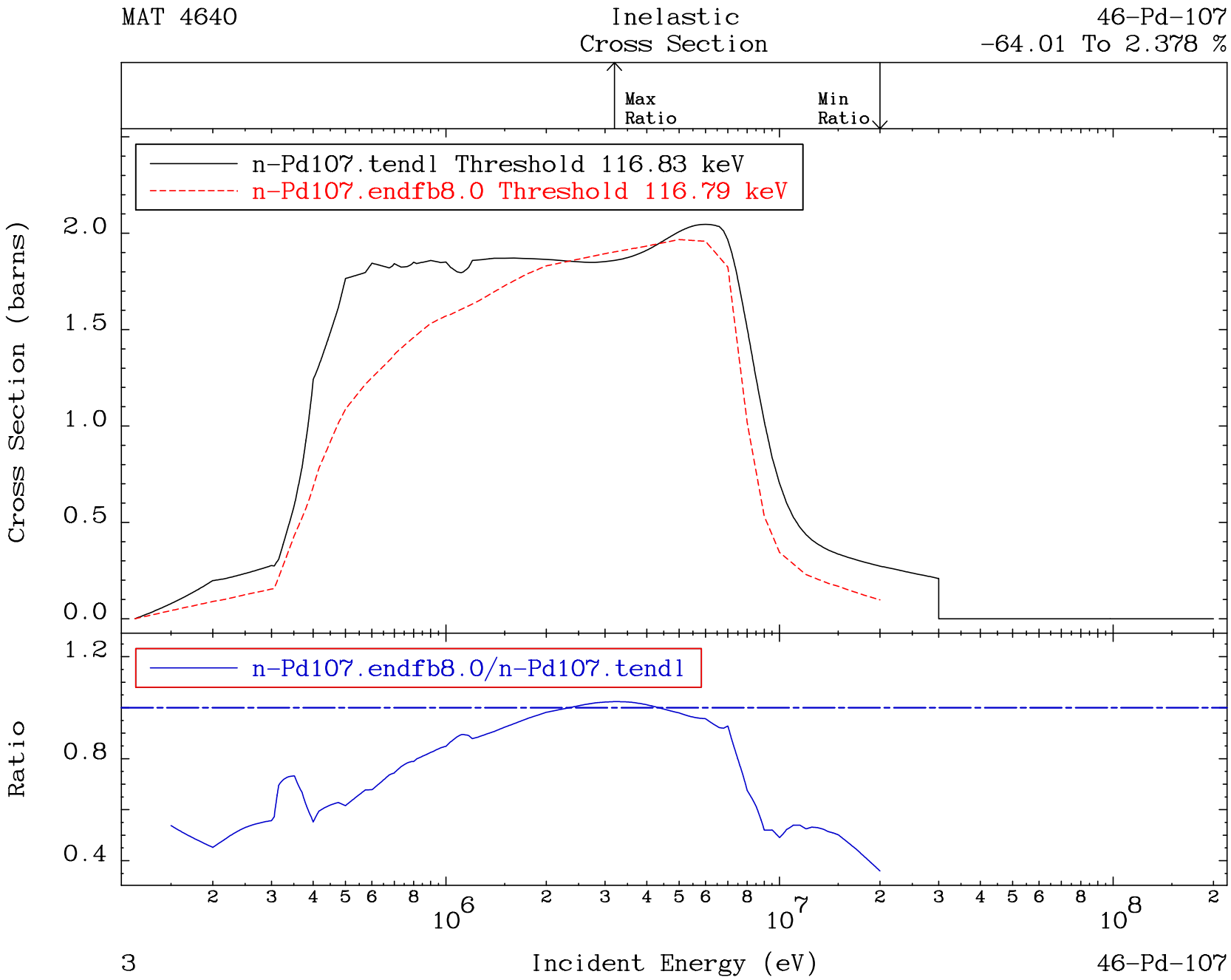
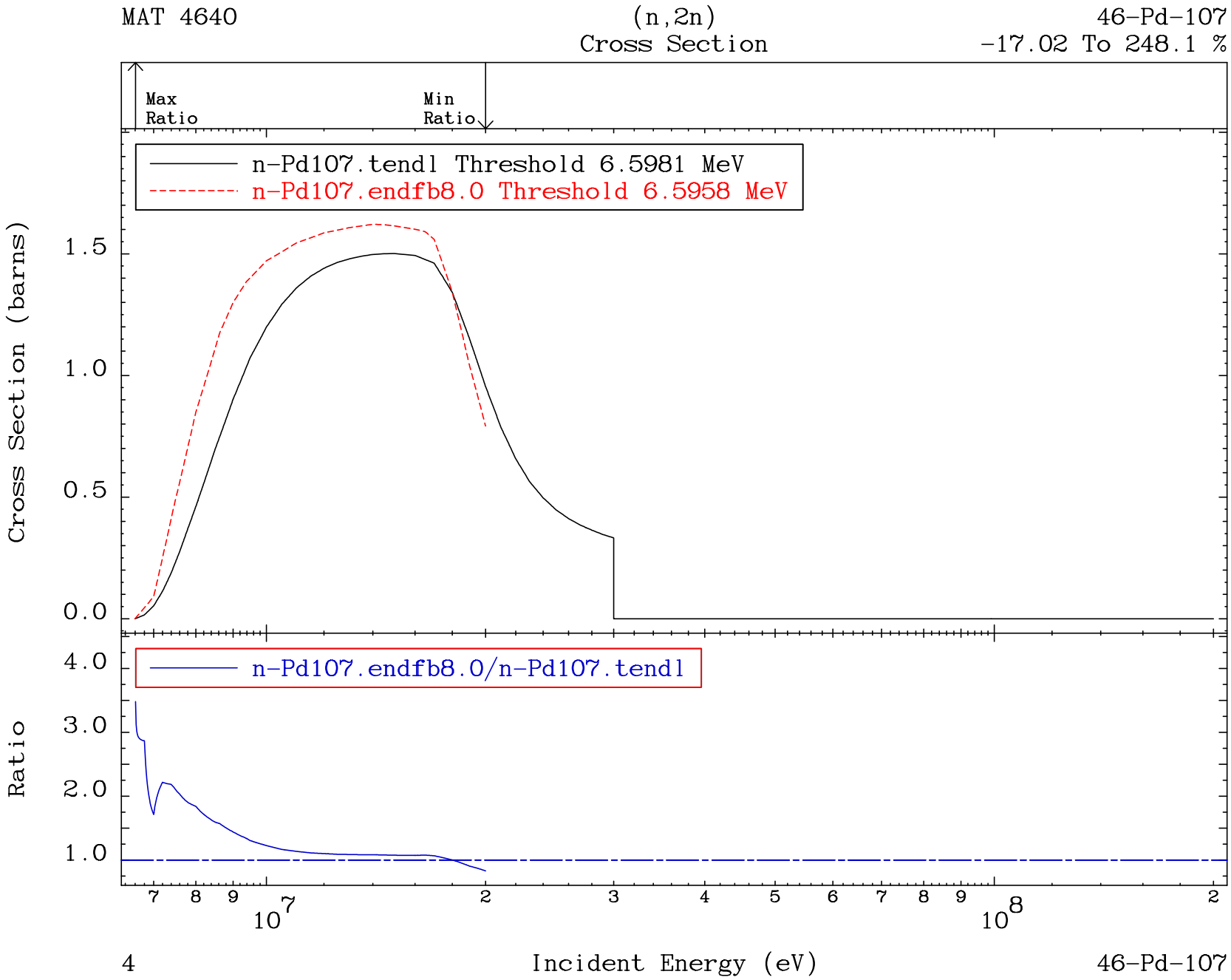
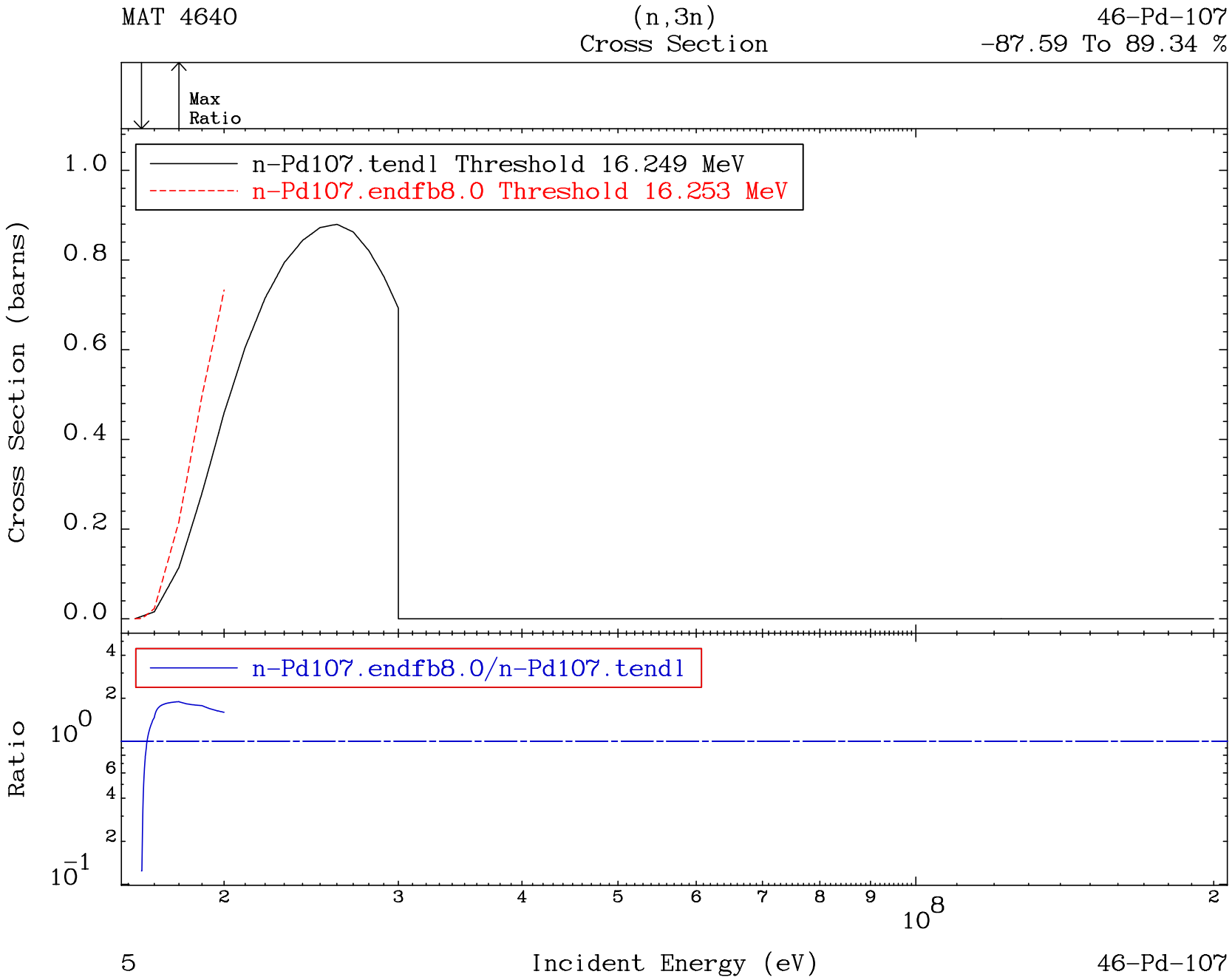
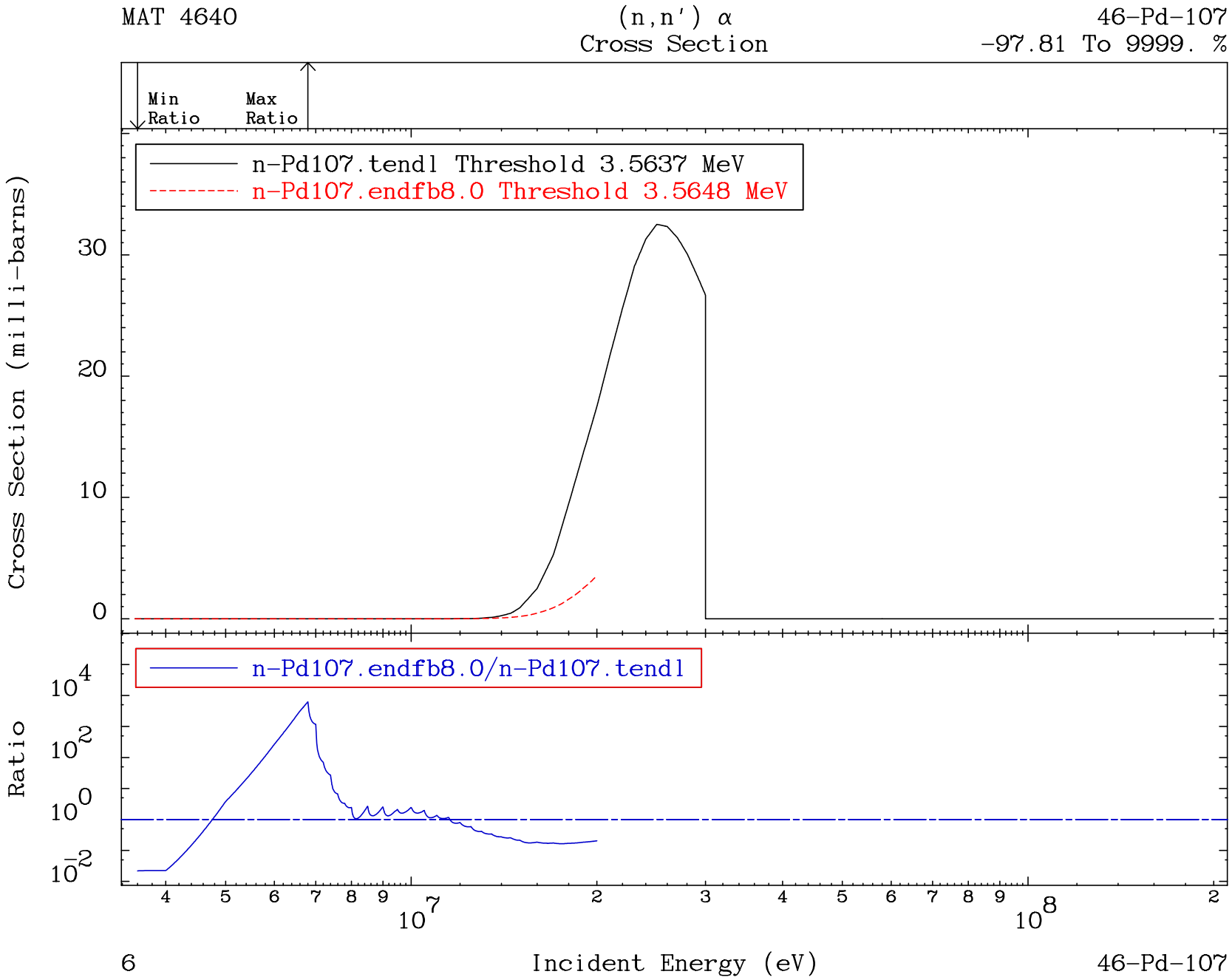

MAT 4640
Total
Cross Section
46-Pd-107
-88.75 To 8767. %
Min
Ratio
Max
Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
1
46-Pd-107

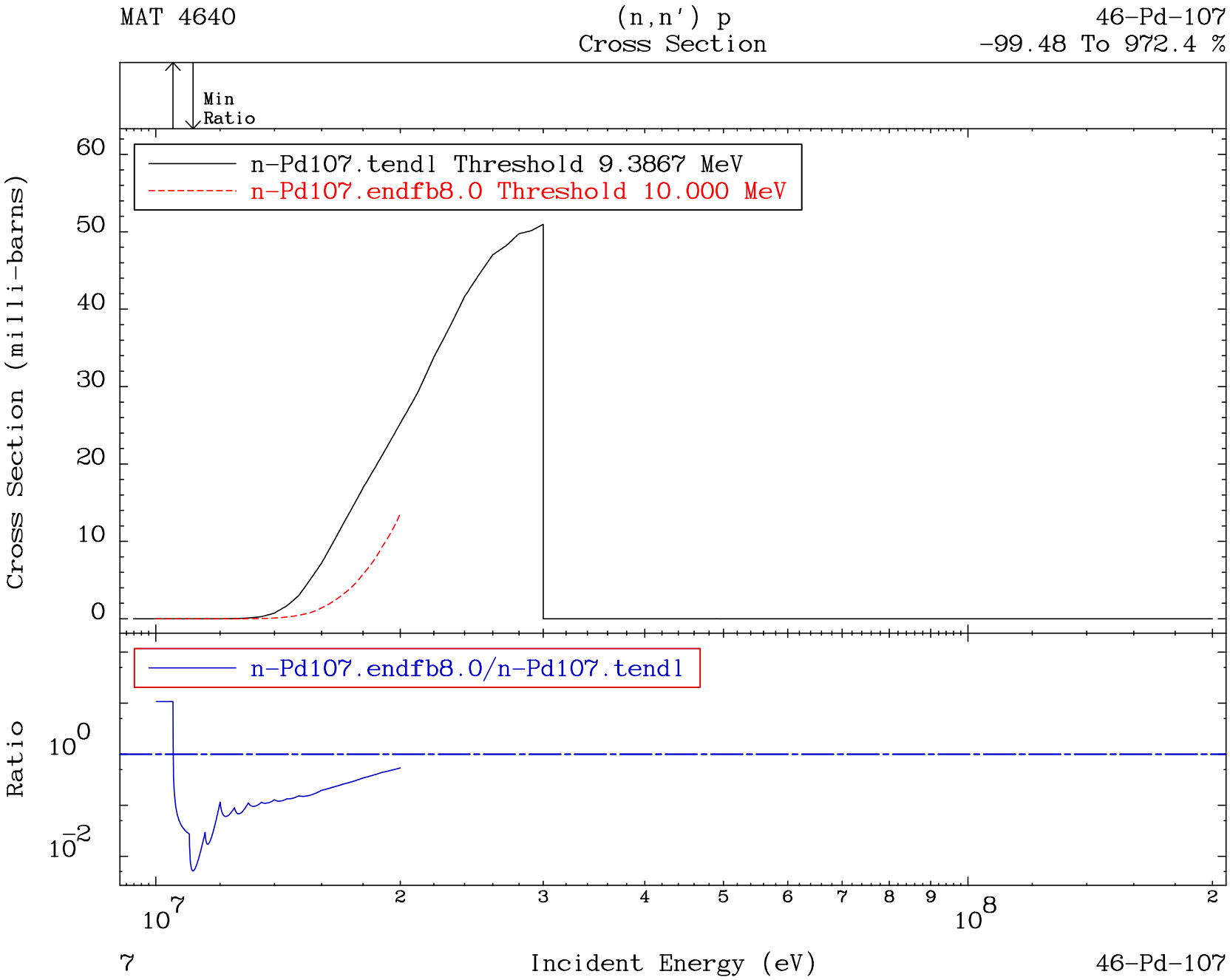

MAT 4640
Elastic
Cross Section
46-Pd-107
-96.91 To 9999. %
Min
Ratio
Max
Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
2
46-Pd-107

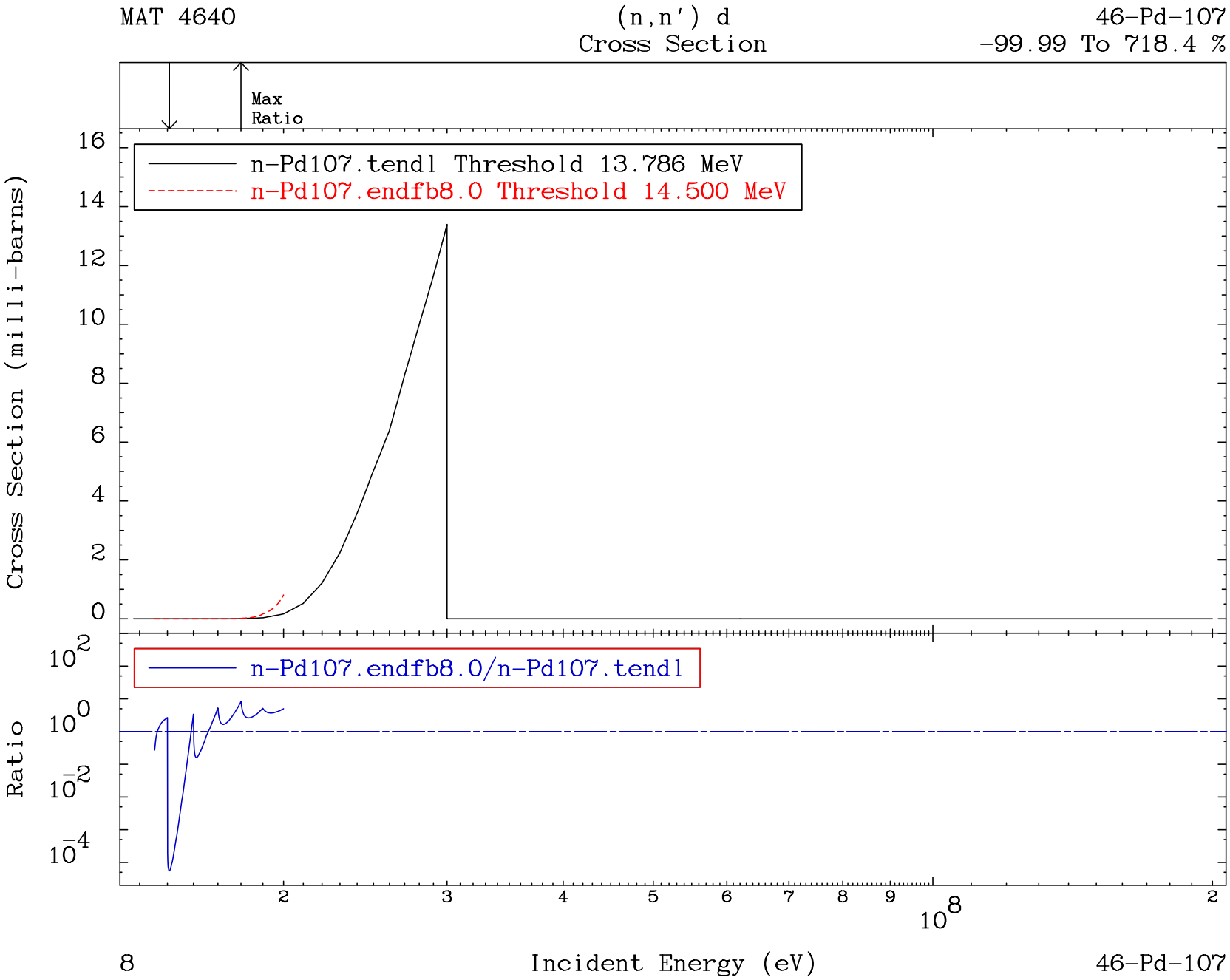

MAT 4640
Inelastic
Cross Section
46-Pd-107
-64.01 To 2.378 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 116.83 keV
n-Pd107.endfb8.0 Threshold 116.79 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
1.2
0.8
0.4
2 3 4 5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
3
Incident Energy (eV)
46-Pd-107

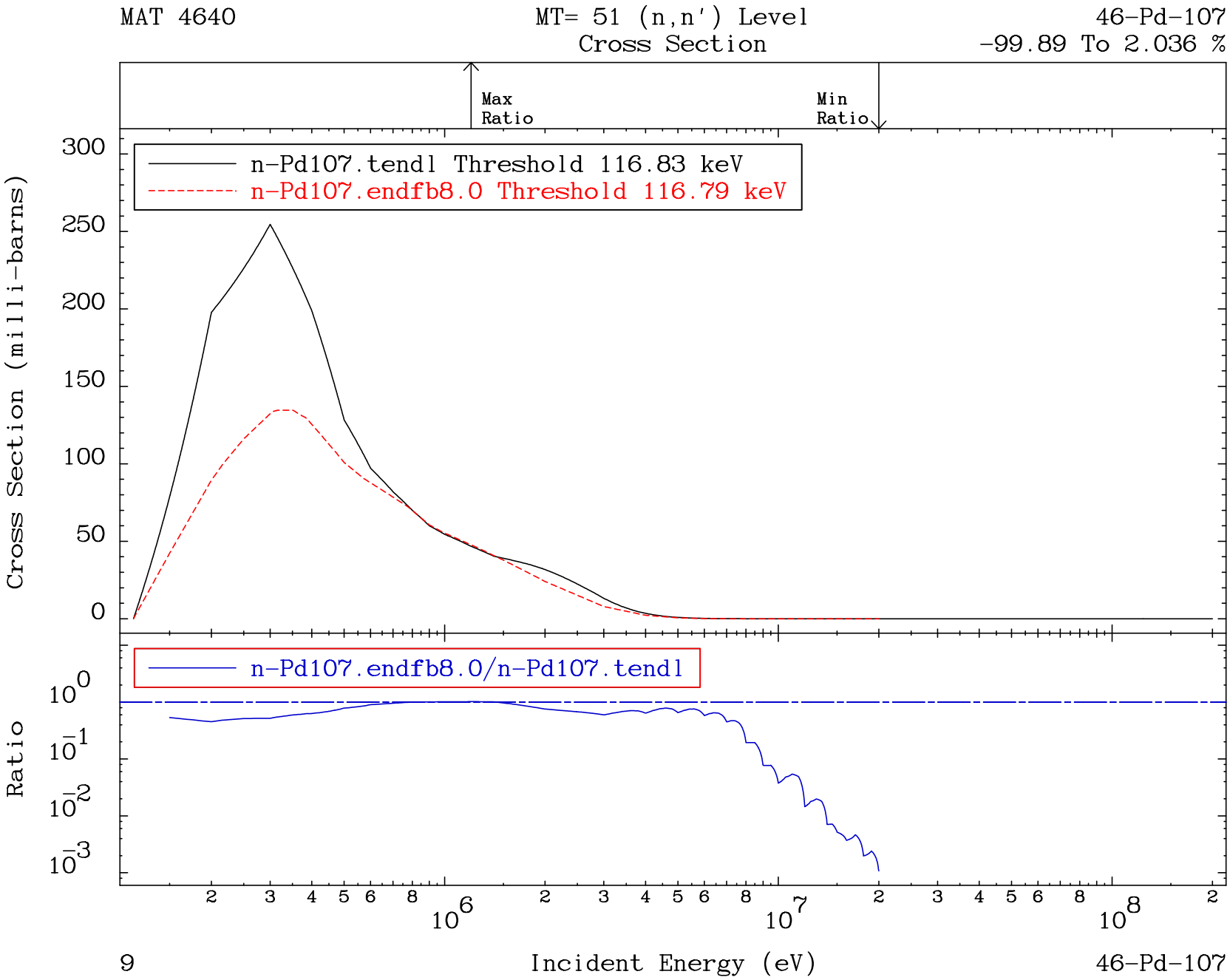

MAT 4640
(n,2n)
Cross Section
46-Pd-107
-17.02 To 248.1 %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 6.5981 MeV
n-Pd107.endfb8.0 Threshold 6.5958 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
4.0
3.0
2.0
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
46-Pd-107

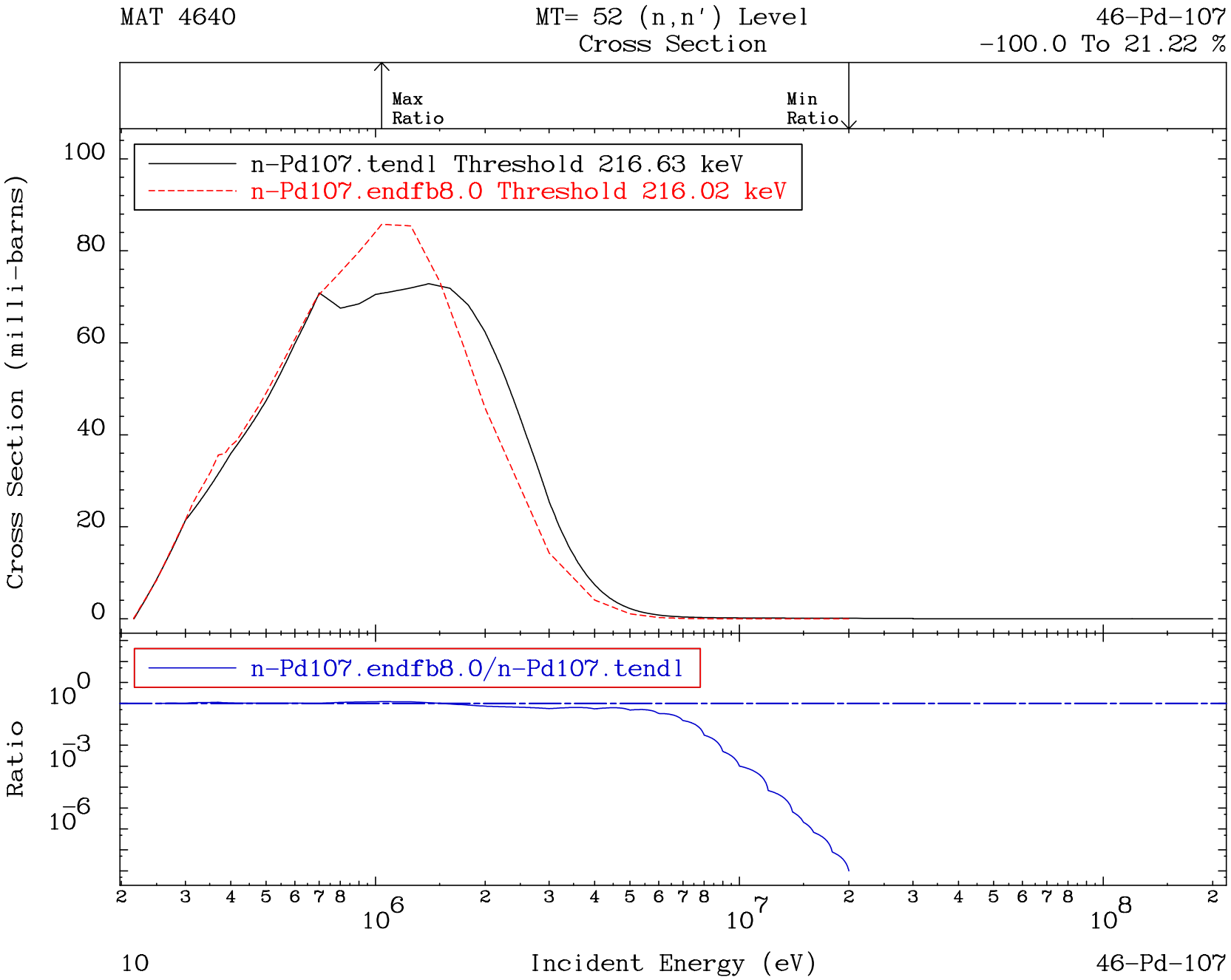

MAT 4640
(n,3n)
Cross Section
46-Pd-107
-87.59 To 89.34 %
Max
Ratio
n-Pd107.tendl Threshold 16.249 MeV
n-Pd107.endfb8.0 Threshold 16.253 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
5
Incident Energy (eV)
46-Pd-107

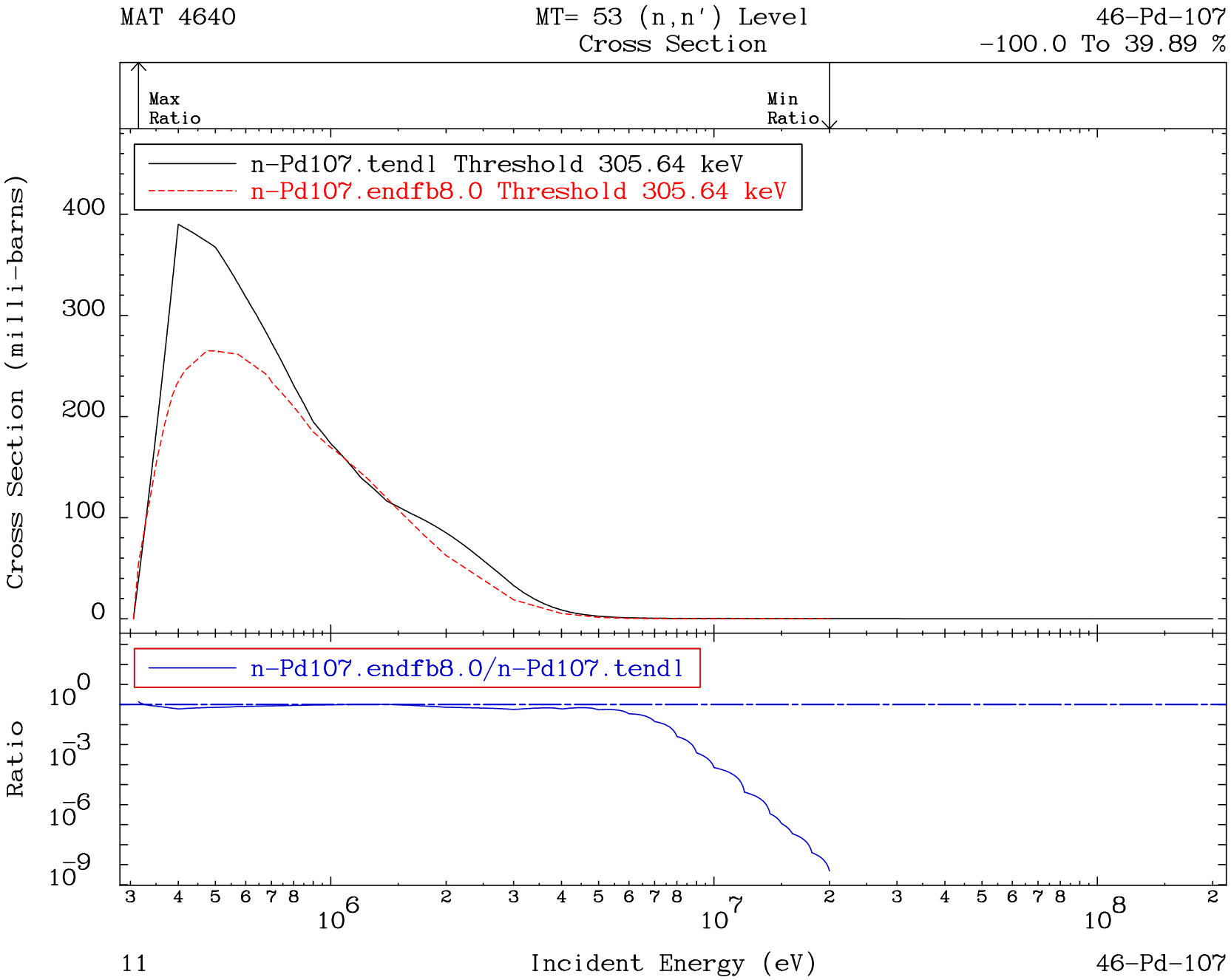

MAT 4640
(n,n') α
Cross Section
46-Pd-107
-97.81 To 9999. %
Min Ratio
Max Ratio
n-Pd107.tendl Threshold 3.5637 MeV
n-Pd107.endfb8.0 Threshold 3.5648 MeV
Cross Section (milli-barns)
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^4
10^2
10^0
10^-2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
46-Pd-107

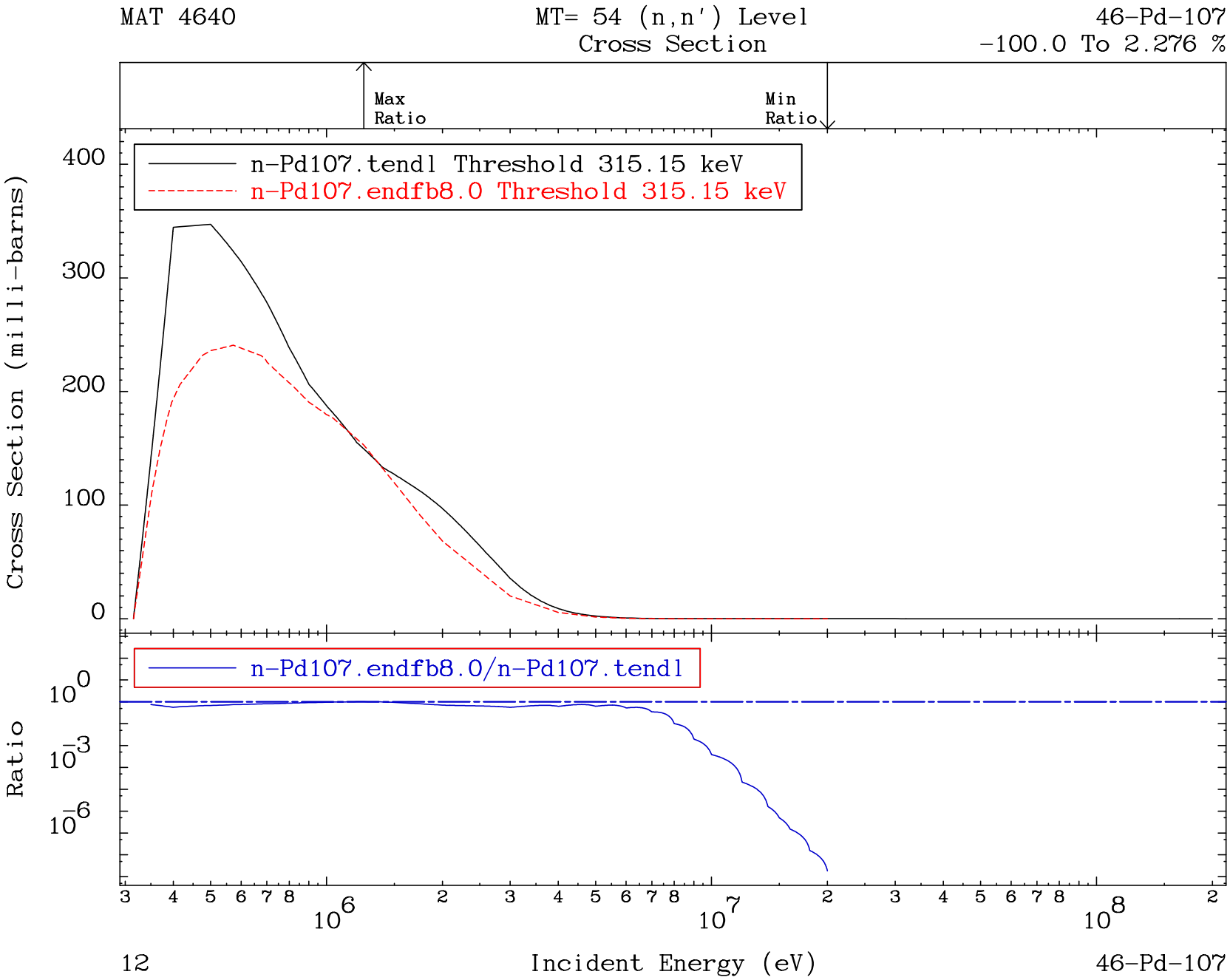

MAT 4640
(n,n') p
Cross Section
46-Pd-107
-99.48 To 972.4 %
Min
Ratio
n-Pd107.tendl Threshold 9.3867 MeV
n-Pd107.endfb8.0 Threshold 10.000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
46-Pd-107

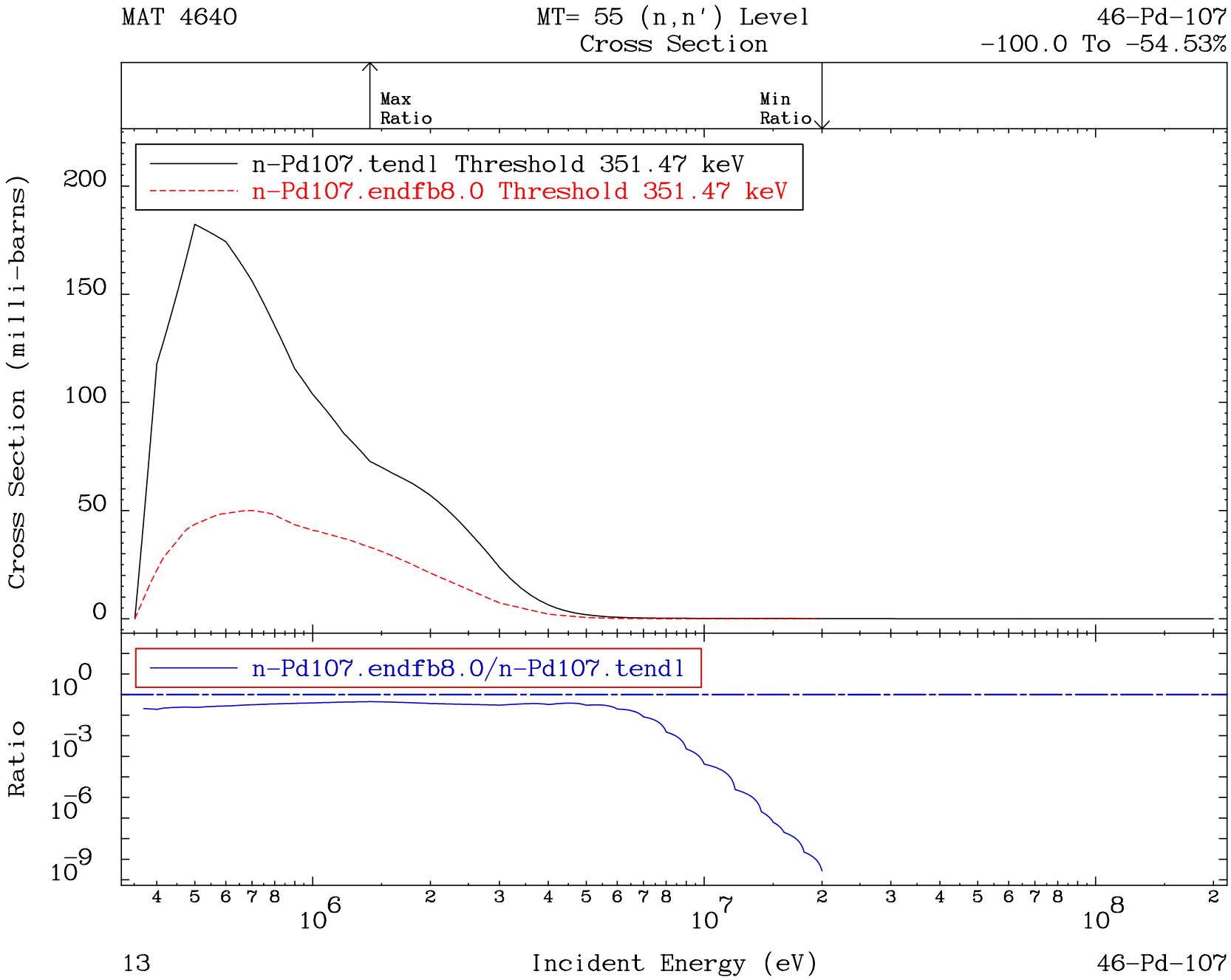

MAT 4640
(n,n') d
Cross Section
46-Pd-107
-99.99 To 718.4 %
Max
Ratio
n-Pd107.tendl Threshold 13.786 MeV
n-Pd107.endfb8.0 Threshold 14.500 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^2
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
46-Pd-107

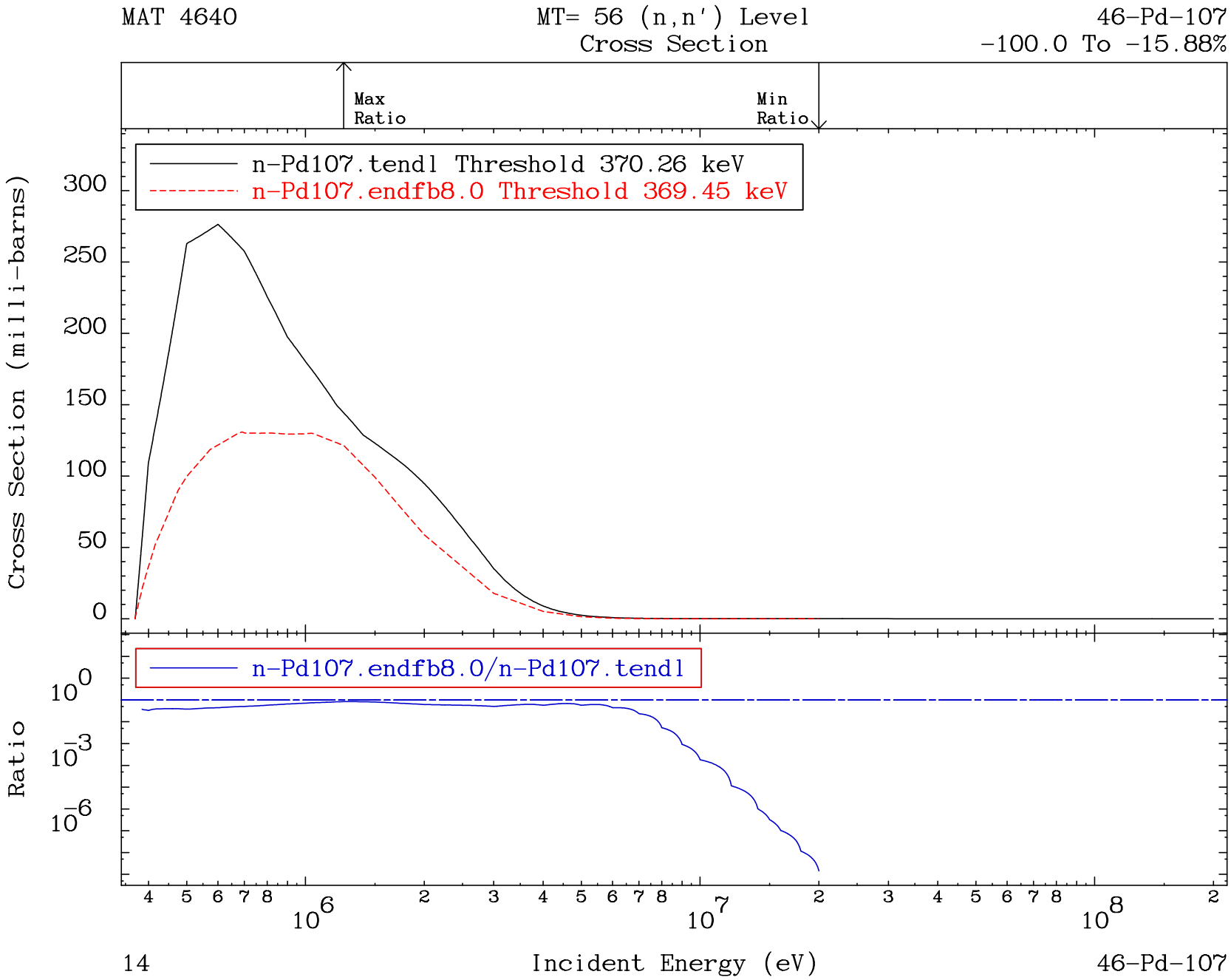

MAT 4640
MT= 51 (n,n') Level
Cross Section
46-Pd-107
-99.89 To 2.036 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 116.83 keV
n-Pd107.endfb8.0 Threshold 116.79 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
9
Incident Energy (eV)
46-Pd-107

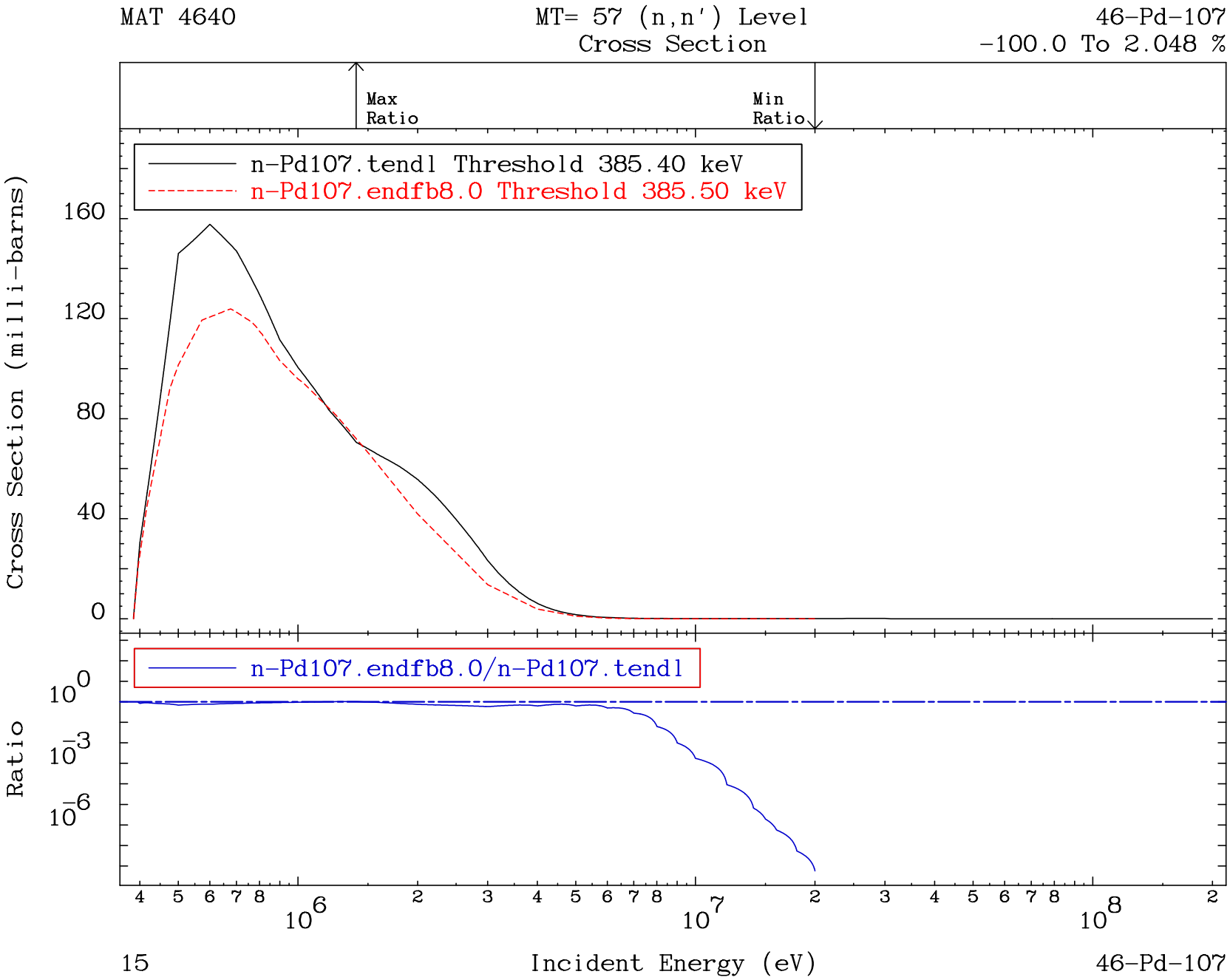

MAT 4640
MT= 52 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 21.22 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 216.63 keV
n-Pd107.endfb8.0 Threshold 216.02 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
2 3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
46-Pd-107

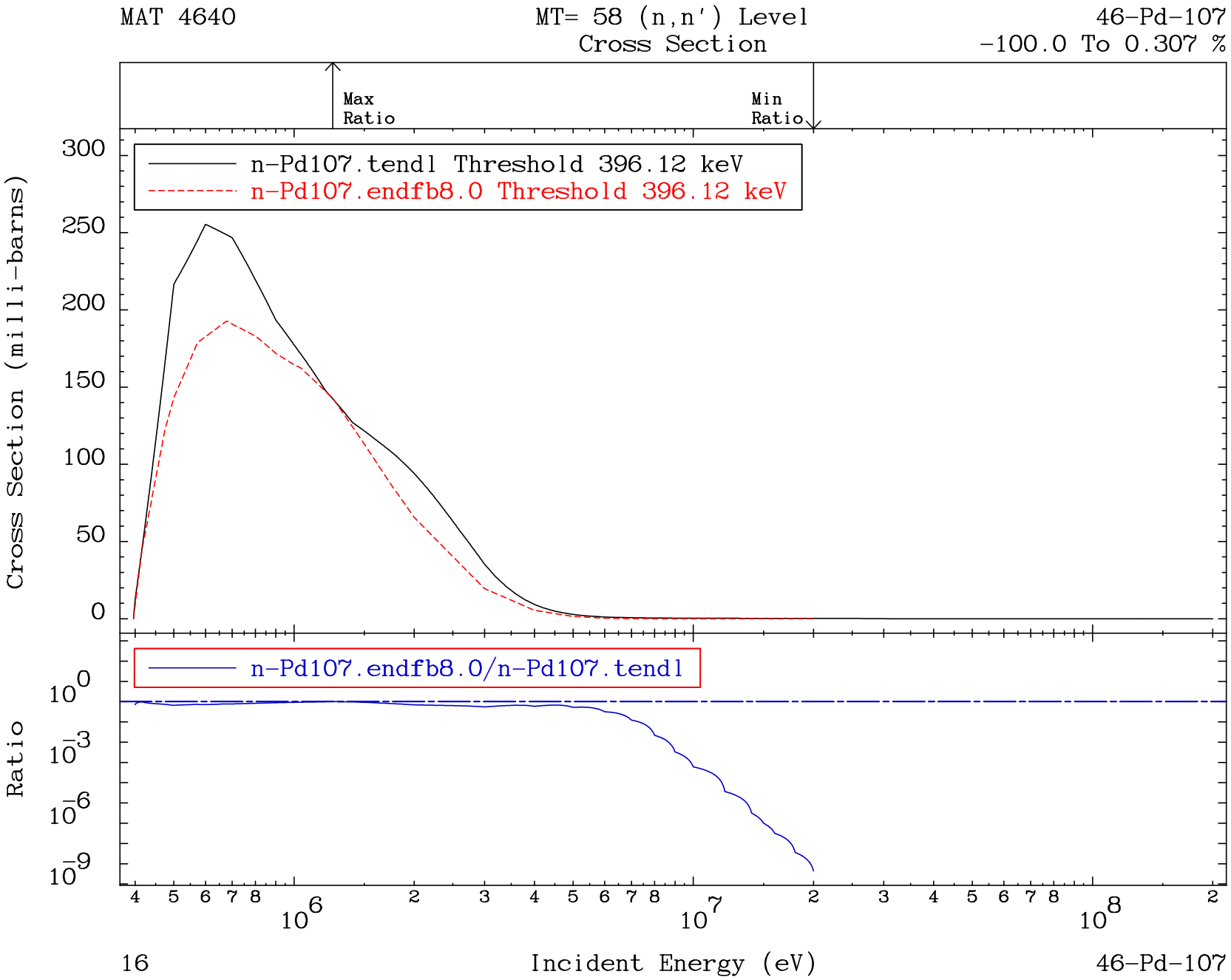

MAT 4640
MT= 53 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 39.89 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 305.64 keV
n-Pd107.endfb8.0 Threshold 305.64 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
46-Pd-107

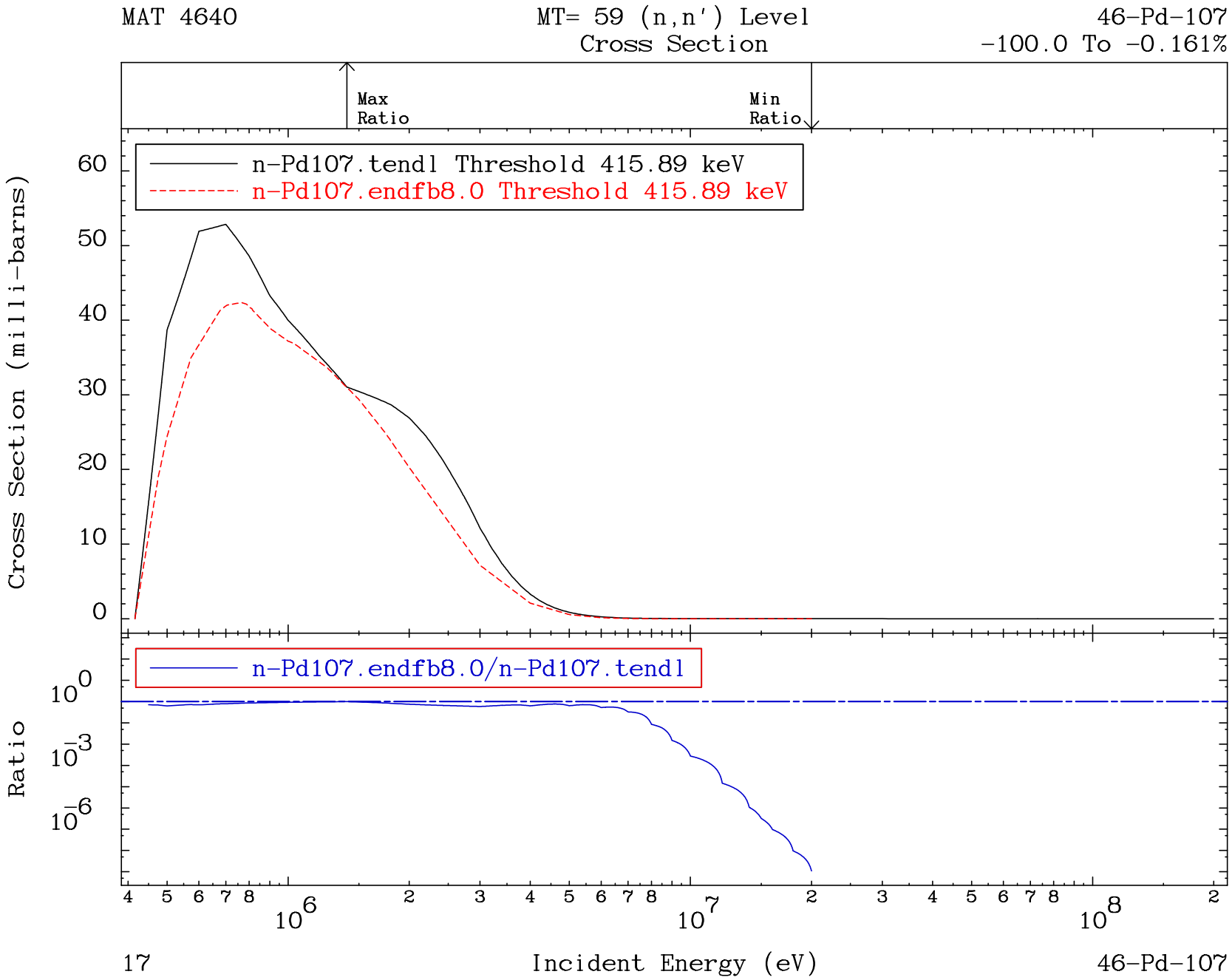

MAT 4640
MT= 54 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 2.276 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 315.15 keV
n-Pd107.endfb8.0 Threshold 315.15 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
46-Pd-107

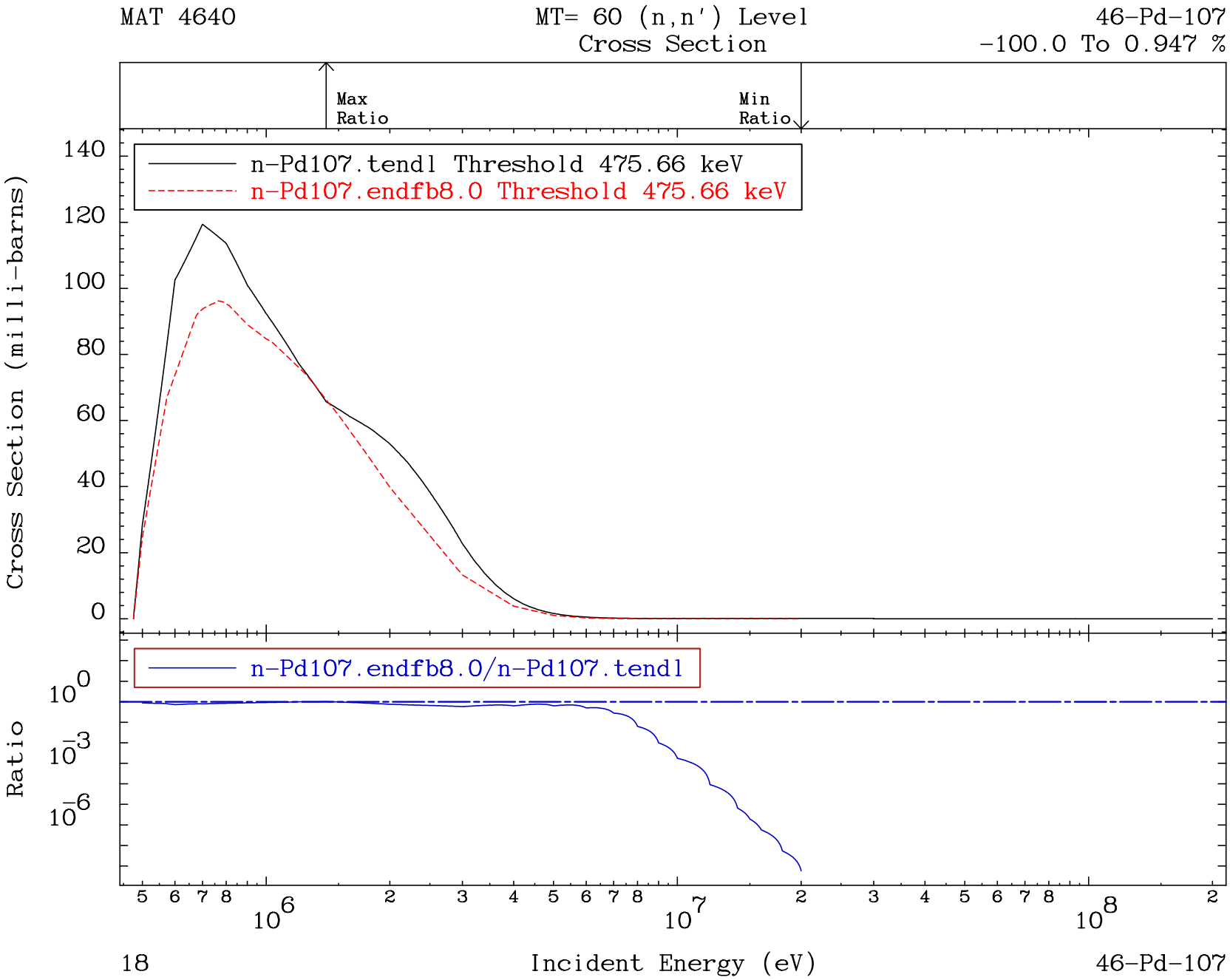

MAT 4640
MT= 55 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -54.53%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 351.47 keV
n-Pd107.endfb8.0 Threshold 351.47 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^-9
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
46-Pd-107

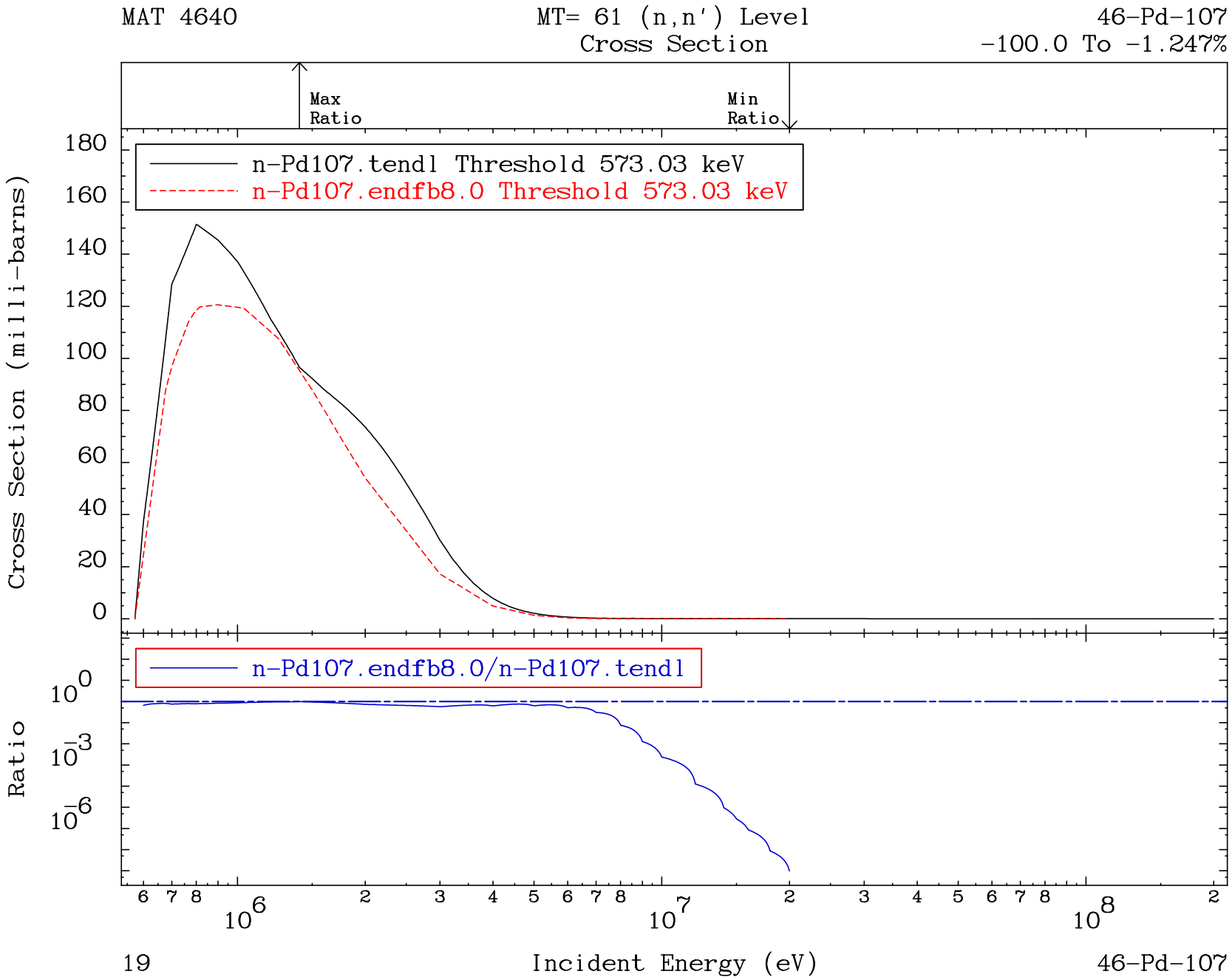

MAT 4640
MT= 56 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -15.88%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 370.26 keV
n-Pd107.endfb8.0 Threshold 369.45 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
46-Pd-107

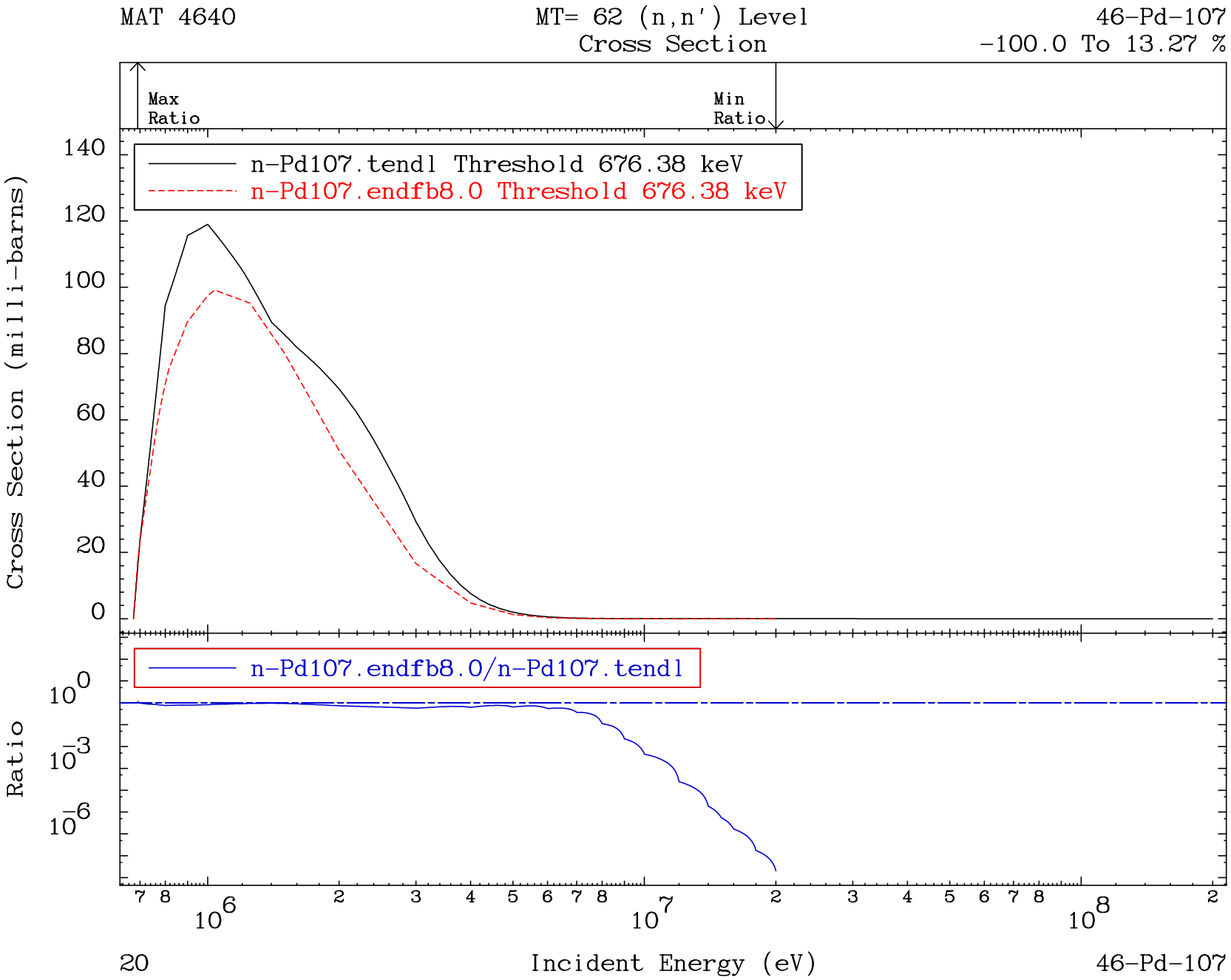

MAT 4640
MT= 57 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 2.048 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 385.40 keV
n-Pd107.endfb8.0 Threshold 385.50 keV
Cross Section (milli-barns)
160
120
80
40
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
46-Pd-107

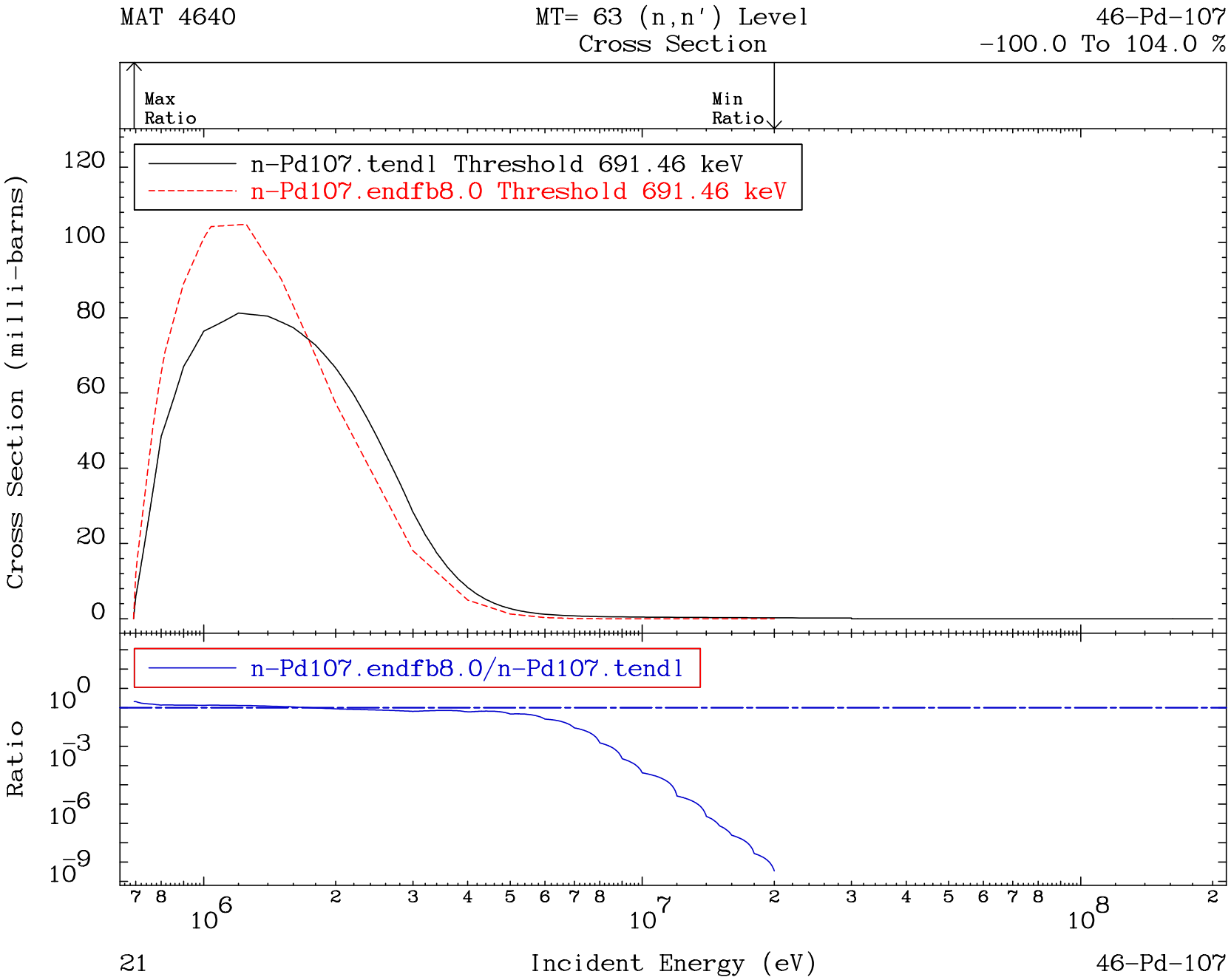

MAT 4640
MT= 58 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 0.307 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 396.12 keV
n-Pd107.endfb8.0 Threshold 396.12 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^-9
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
46-Pd-107

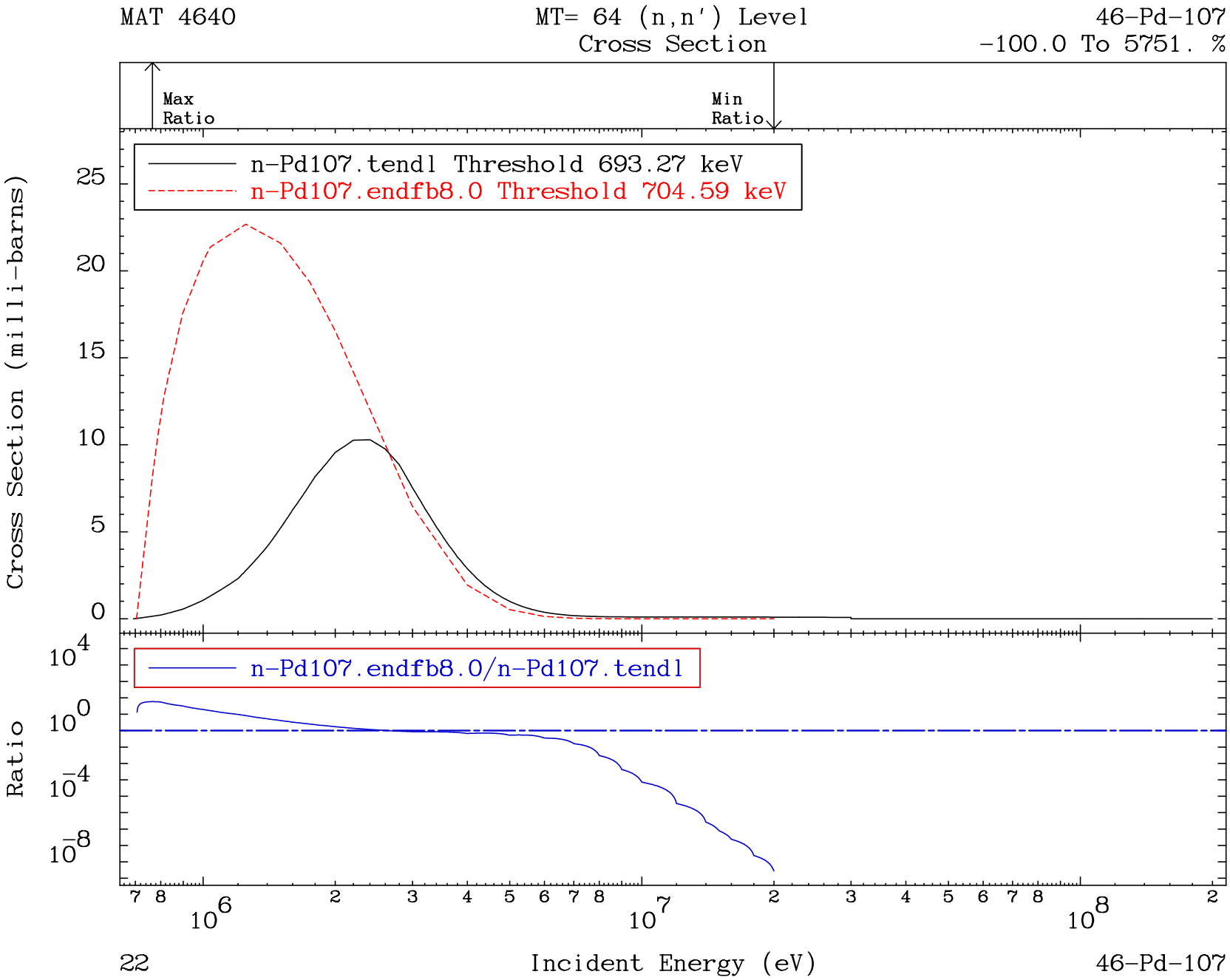

MAT 4640
MT= 59 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -0.161%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 415.89 keV
n-Pd107.endfb8.0 Threshold 415.89 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
46-Pd-107

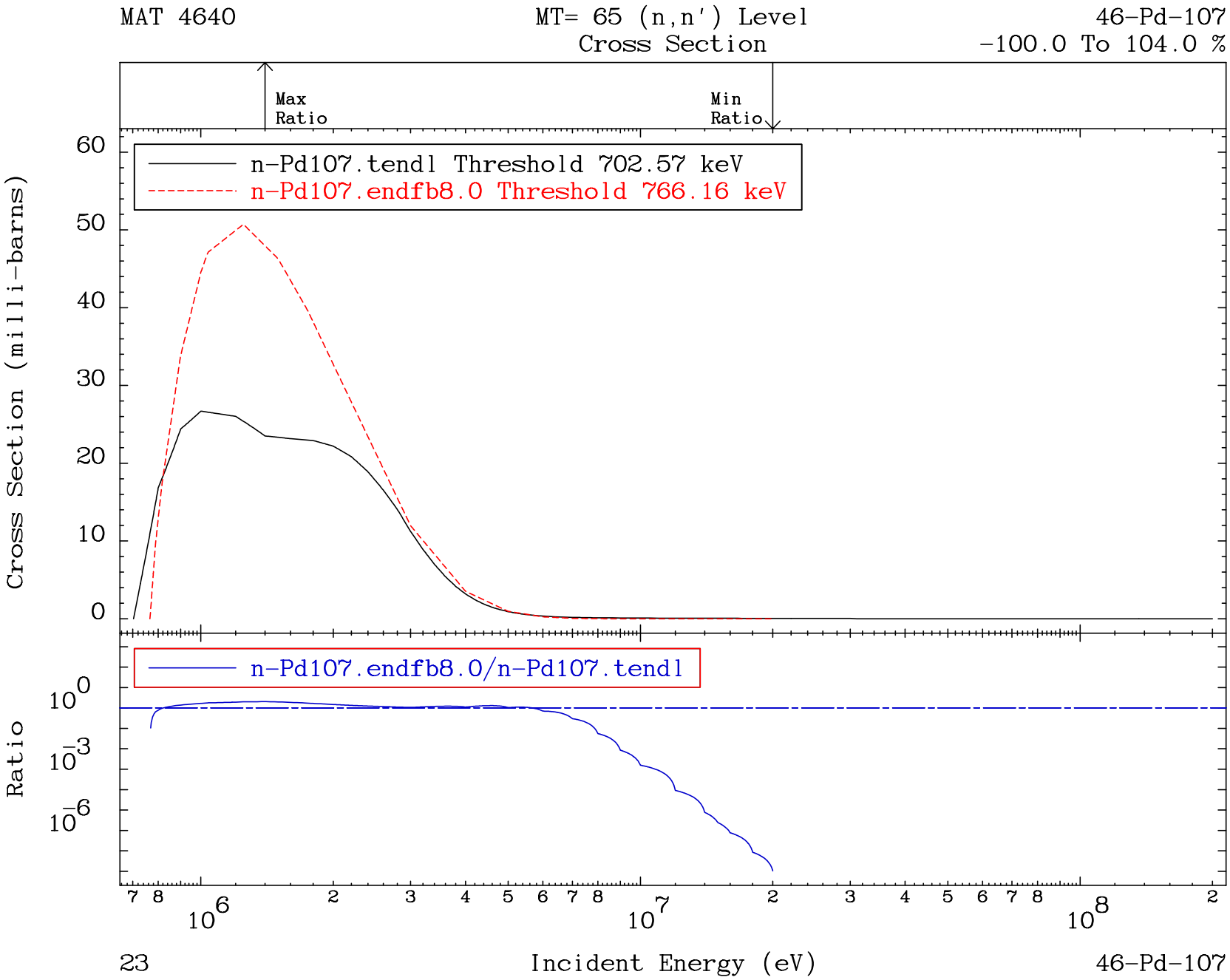

MAT 4640
MT= 60 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 0.947 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 475.66 keV
n-Pd107.endfb8.0 Threshold 475.66 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
46-Pd-107

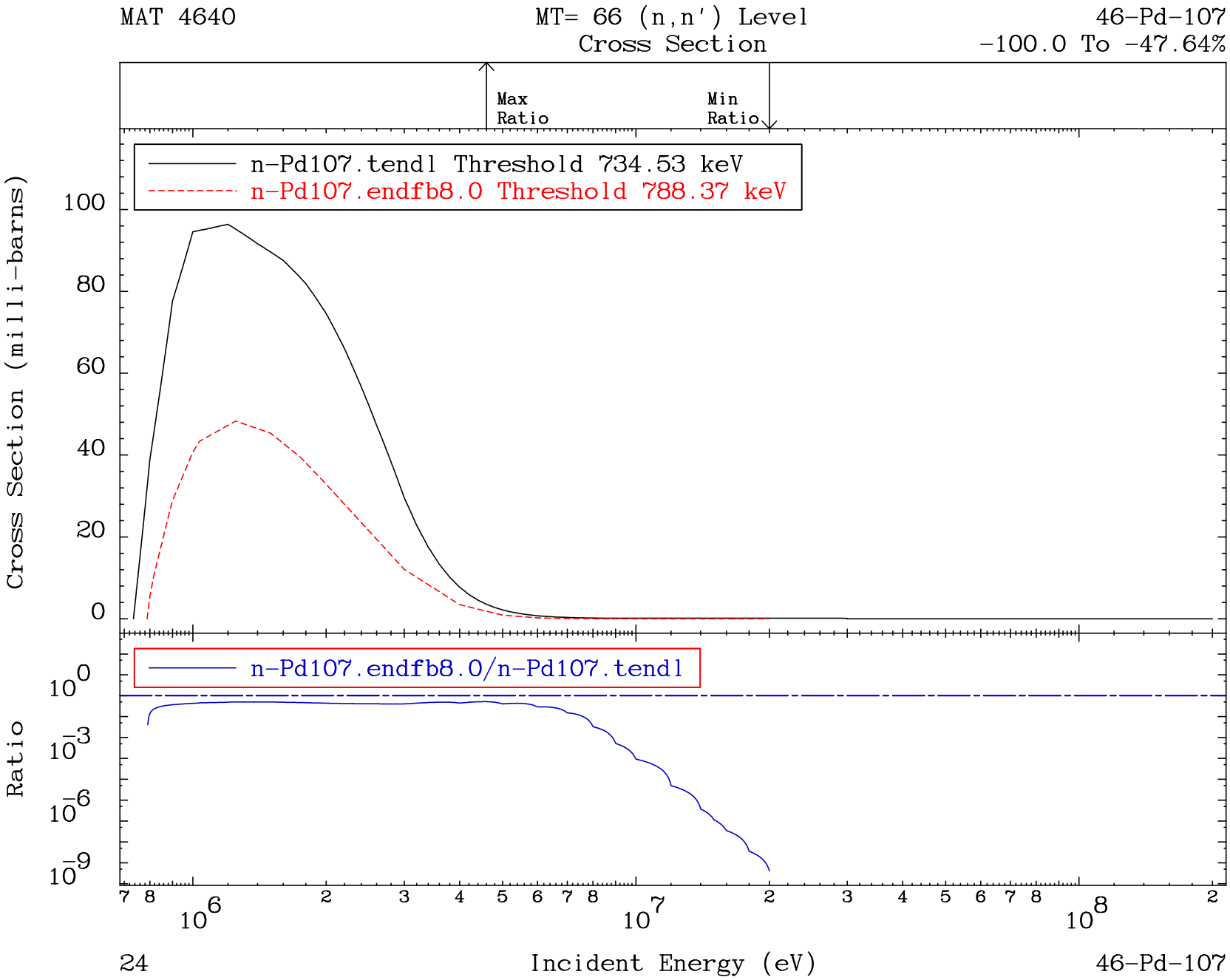

MAT 4640
MT= 61 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -1.247%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 573.03 keV
n-Pd107.endfb8.0 Threshold 573.03 keV
Cross Section (milli-barns)
180
160
140
120
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
46-Pd-107

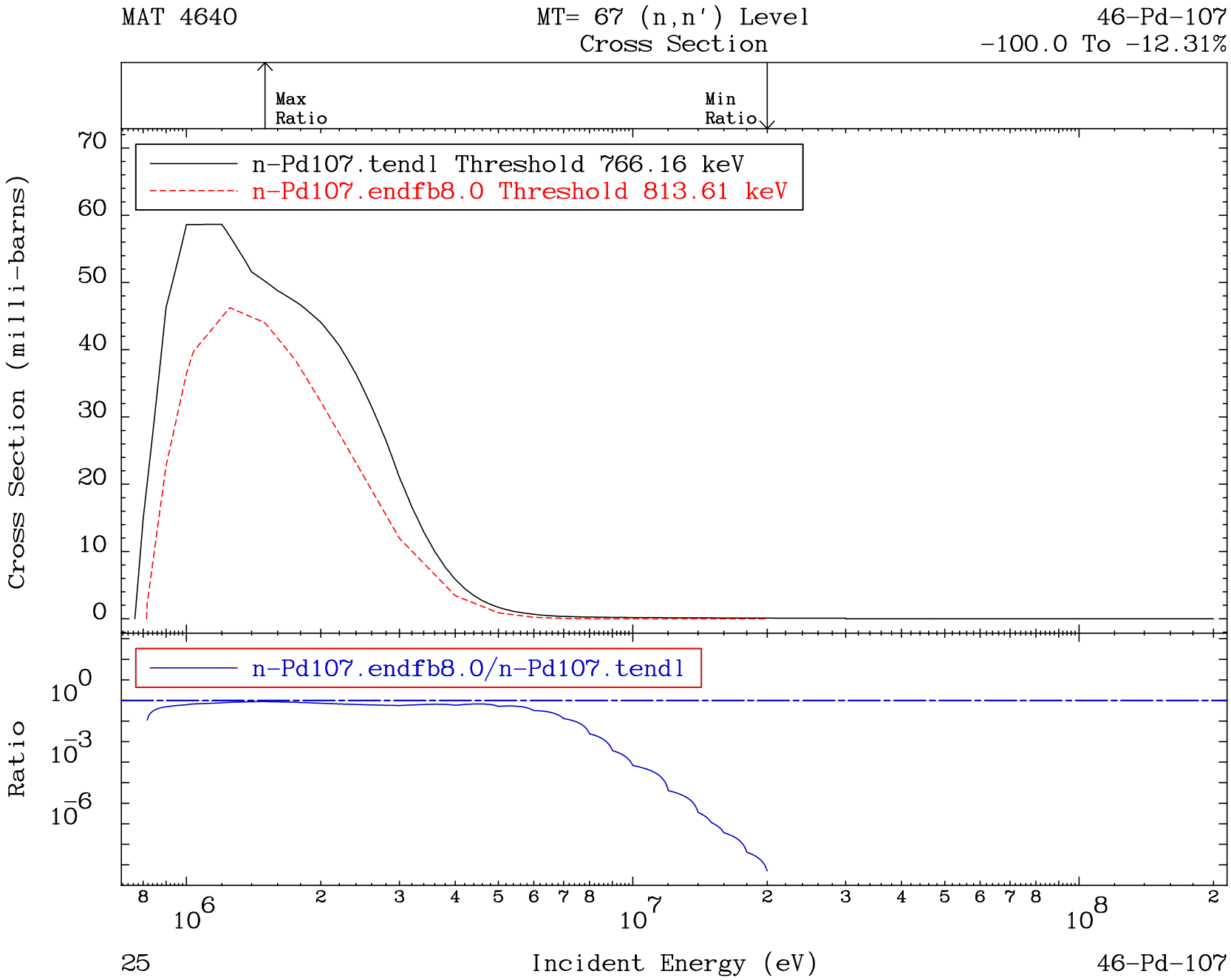

MAT 4640
MT= 62 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 13.27 %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 676.38 keV
n-Pd107.endfb8.0 Threshold 676.38 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
46-Pd-107

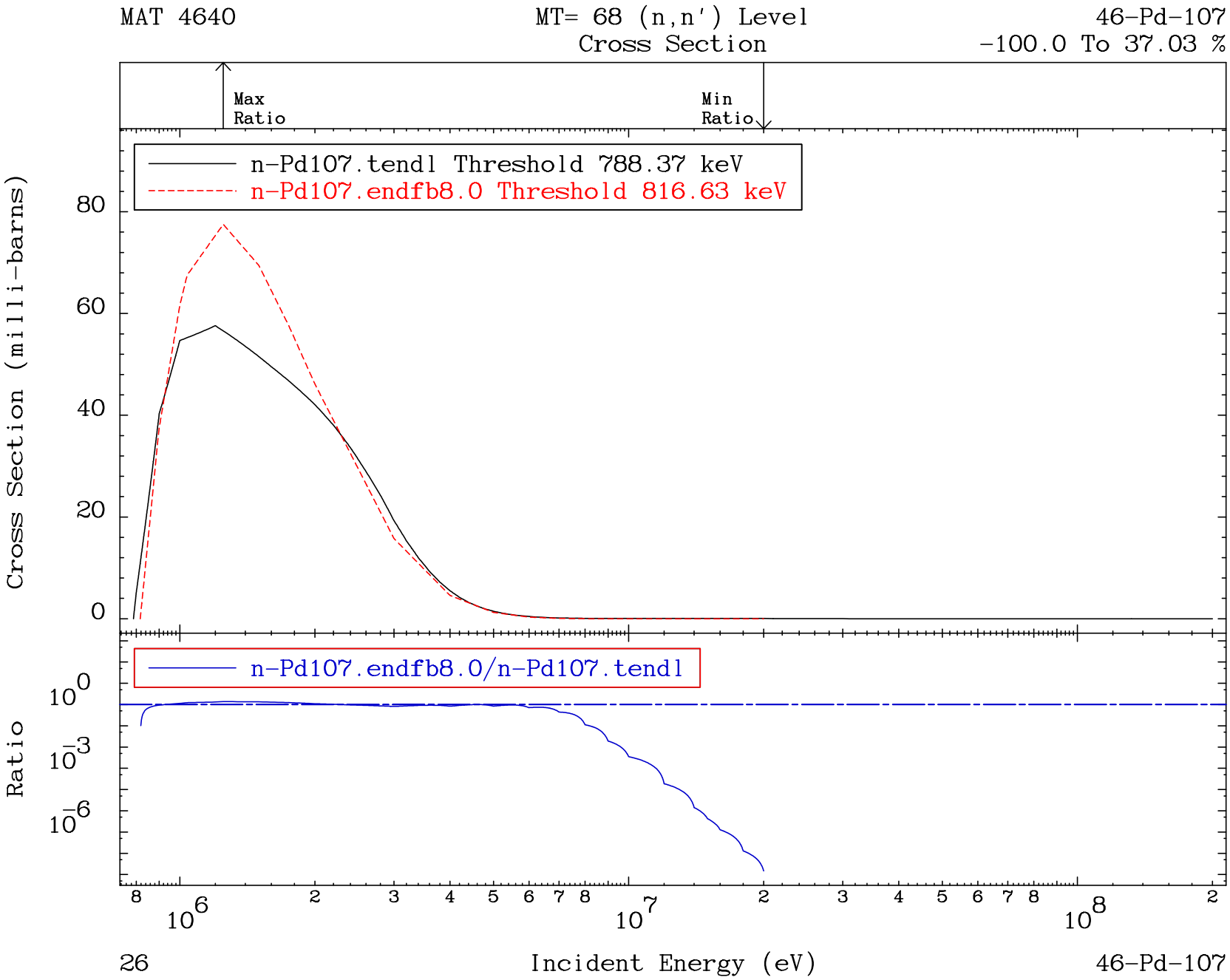

MAT 4640
MT= 63 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 104.0 %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 691.46 keV
n-Pd107.endfb8.0 Threshold 691.46 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^-9
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
46-Pd-107

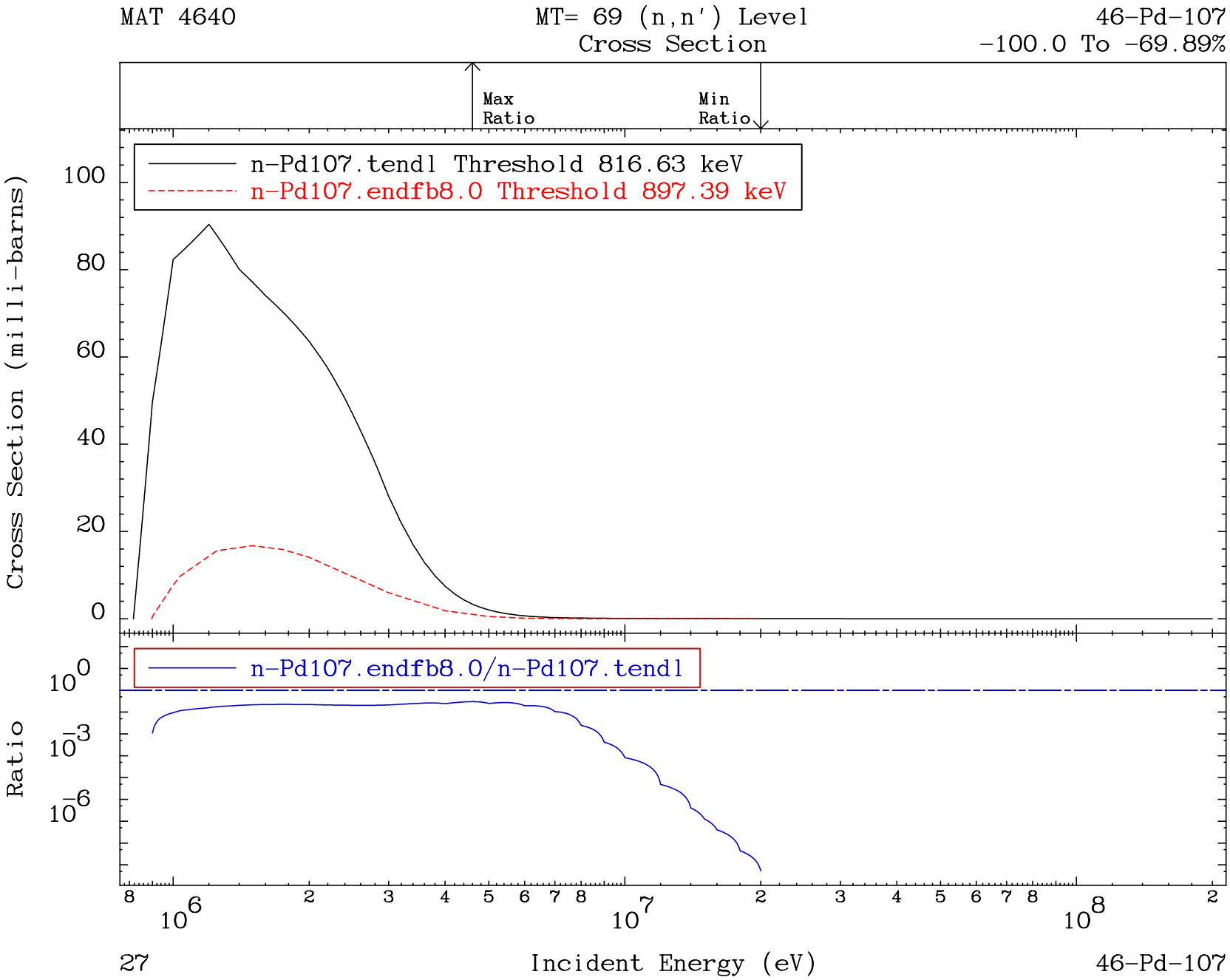

MAT 4640
MT= 64 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 5751. %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 693.27 keV
n-Pd107.endfb8.0 Threshold 704.59 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^4
10^0
10^-4
10^-8
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
46-Pd-107

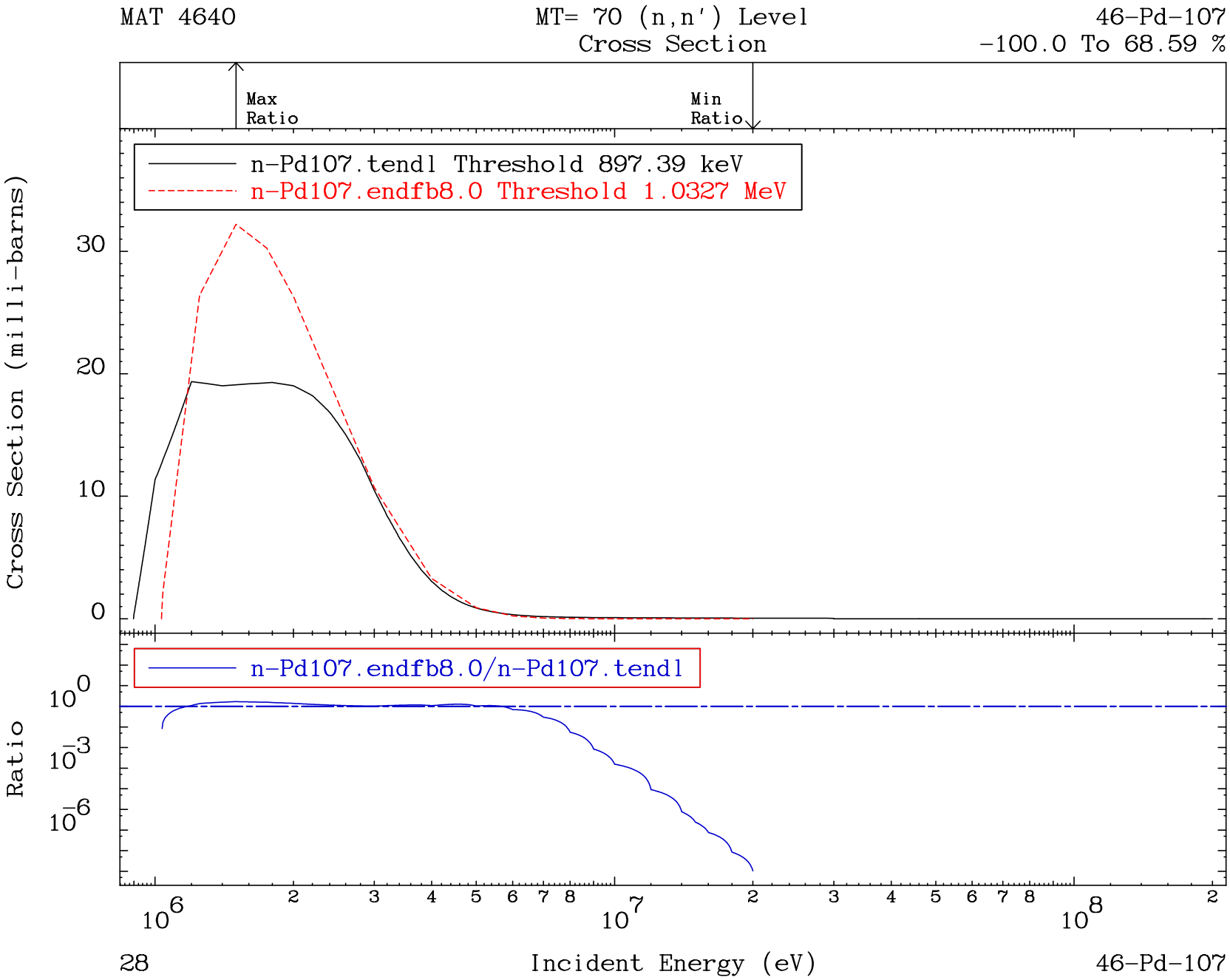

MAT 4640
MT= 65 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 104.0 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 702.57 keV
n-Pd107.endfb8.0 Threshold 766.16 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
7 8
10^6
2
3
4
5
6
7 8
10^7
2
3
4
5
6
7 8
10^8
2
23
Incident Energy (eV)
46-Pd-107

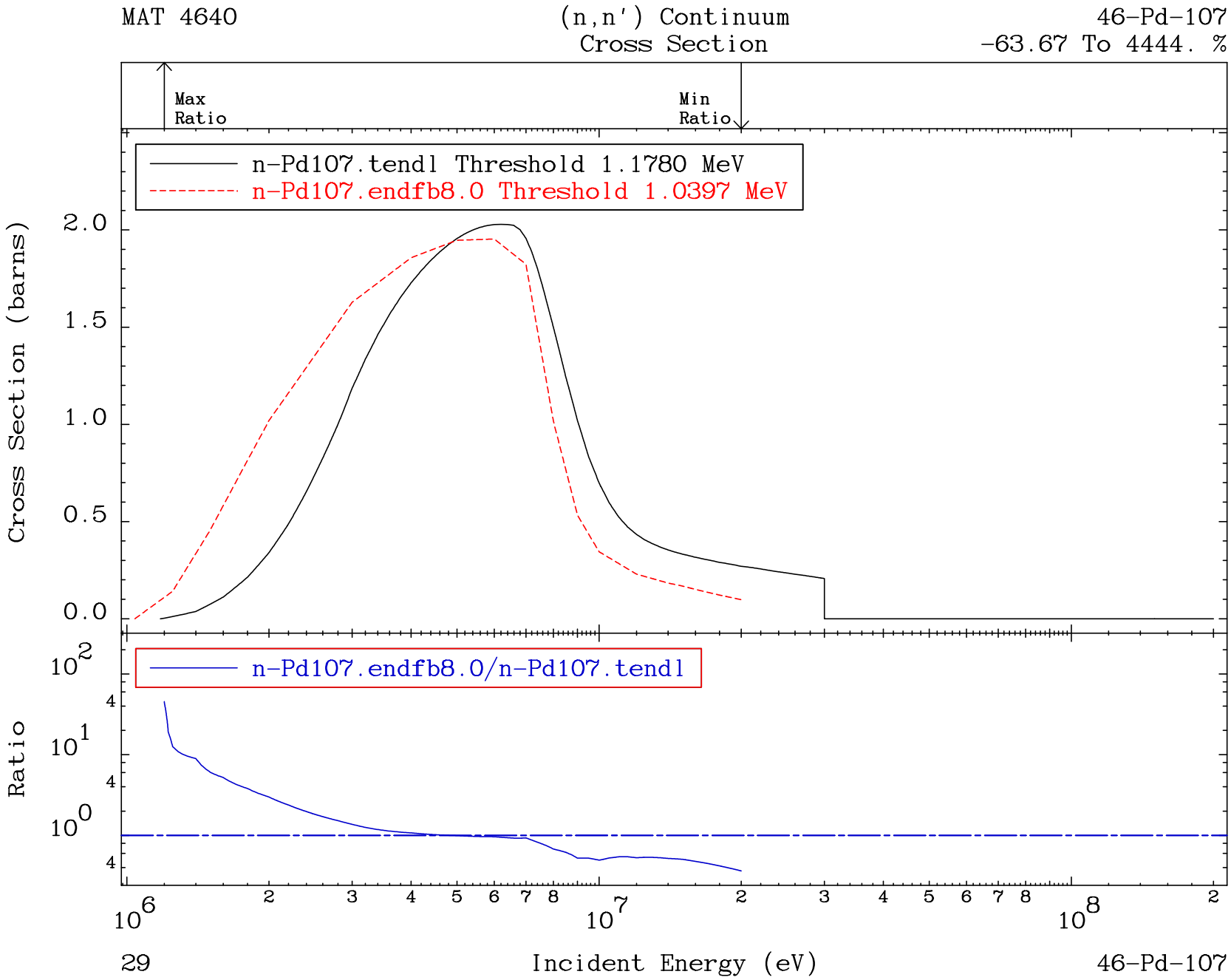

MAT 4640
MT= 66 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -47.64%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 734.53 keV
n-Pd107.endfb8.0 Threshold 788.37 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^-9
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
46-Pd-107

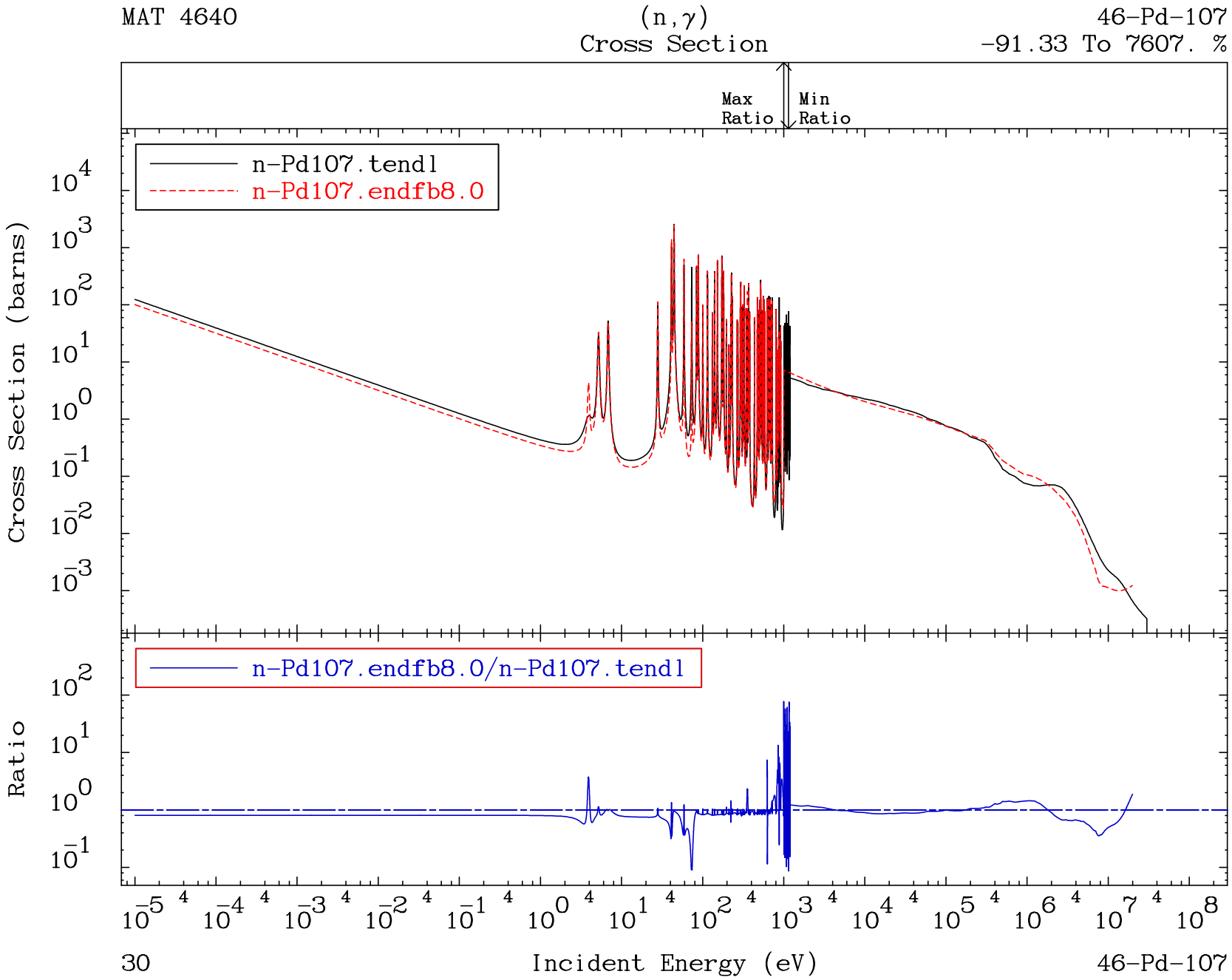

MAT 4640
MT= 67 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -12.31%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 766.16 keV
n-Pd107.endfb8.0 Threshold 813.61 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
46-Pd-107

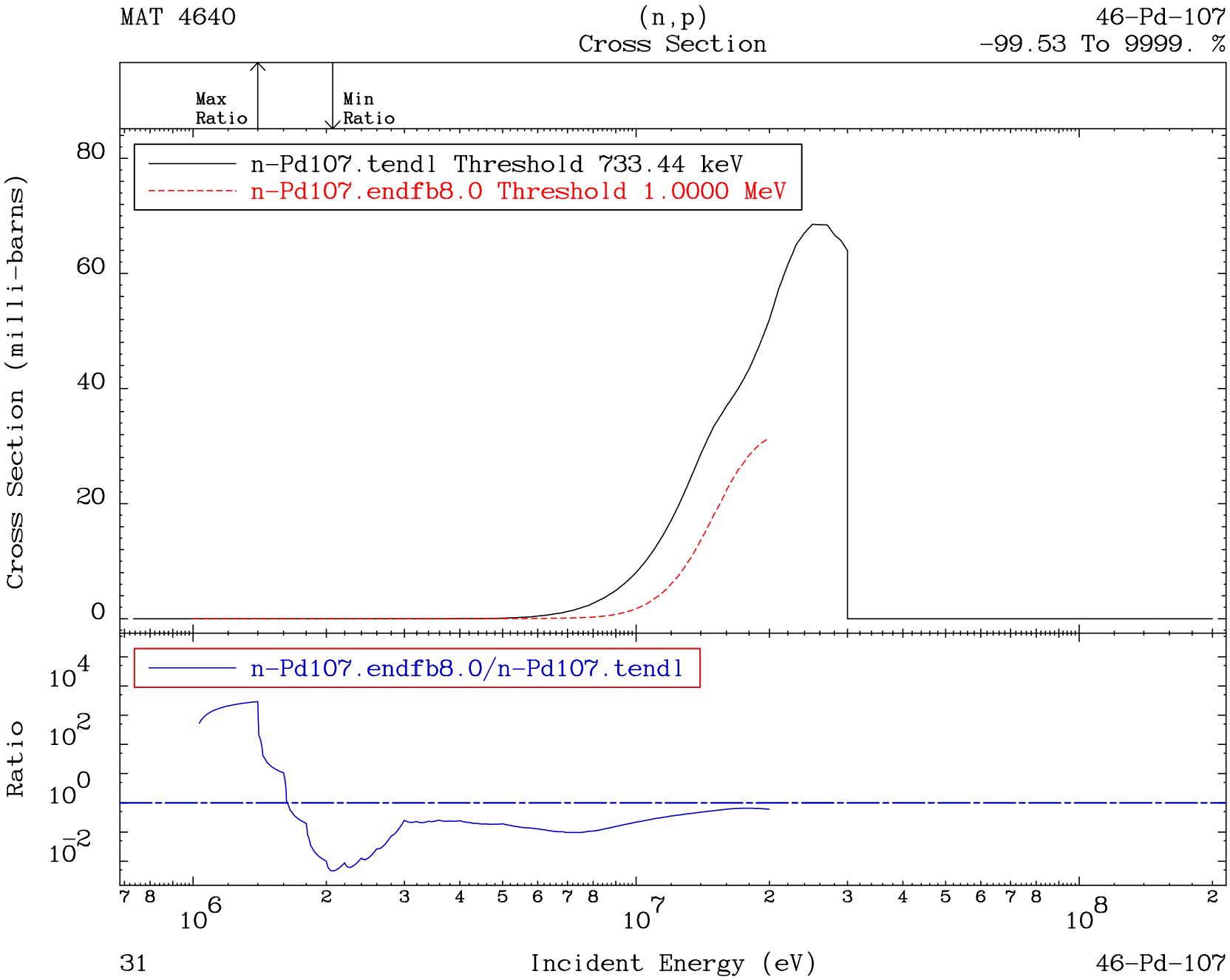

MAT 4640
MT= 68 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 37.03 %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 788.37 keV
n-Pd107.endfb8.0 Threshold 816.63 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
46-Pd-107

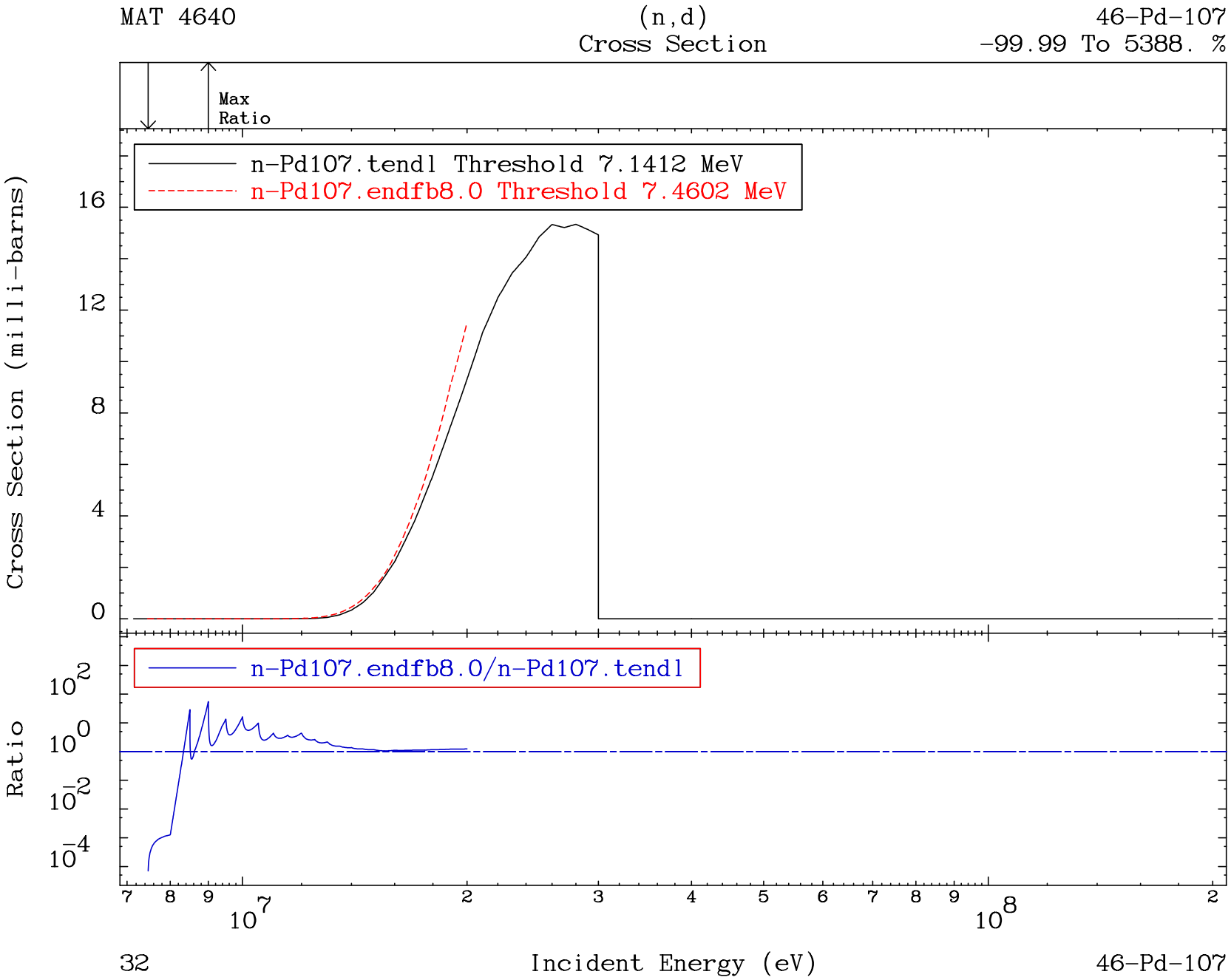

MAT 4640
MT= 69 (n,n') Level
Cross Section
46-Pd-107
-100.0 To -69.89%
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 816.63 keV
n-Pd107.endfb8.0 Threshold 897.39 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
46-Pd-107

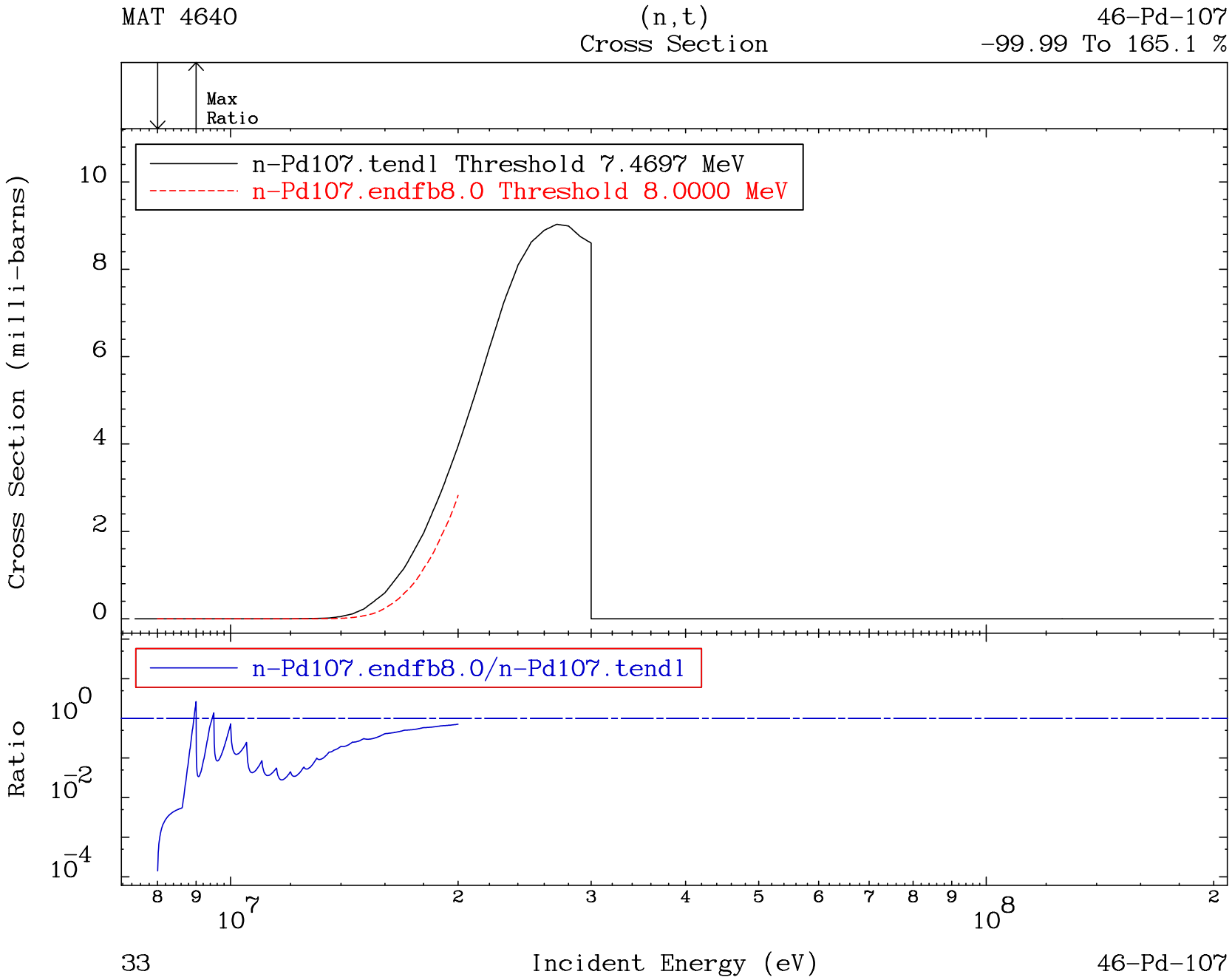

MAT 4640
MT= 70 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 68.59 %
Max
Ratio
Min
Ratio
n-Pd107.tendl Threshold 897.39 keV
n-Pd107.endfb8.0 Threshold 1.0327 MeV
Cross Section (milli-barns)
30
20
10
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-3
10^-6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
46-Pd-107

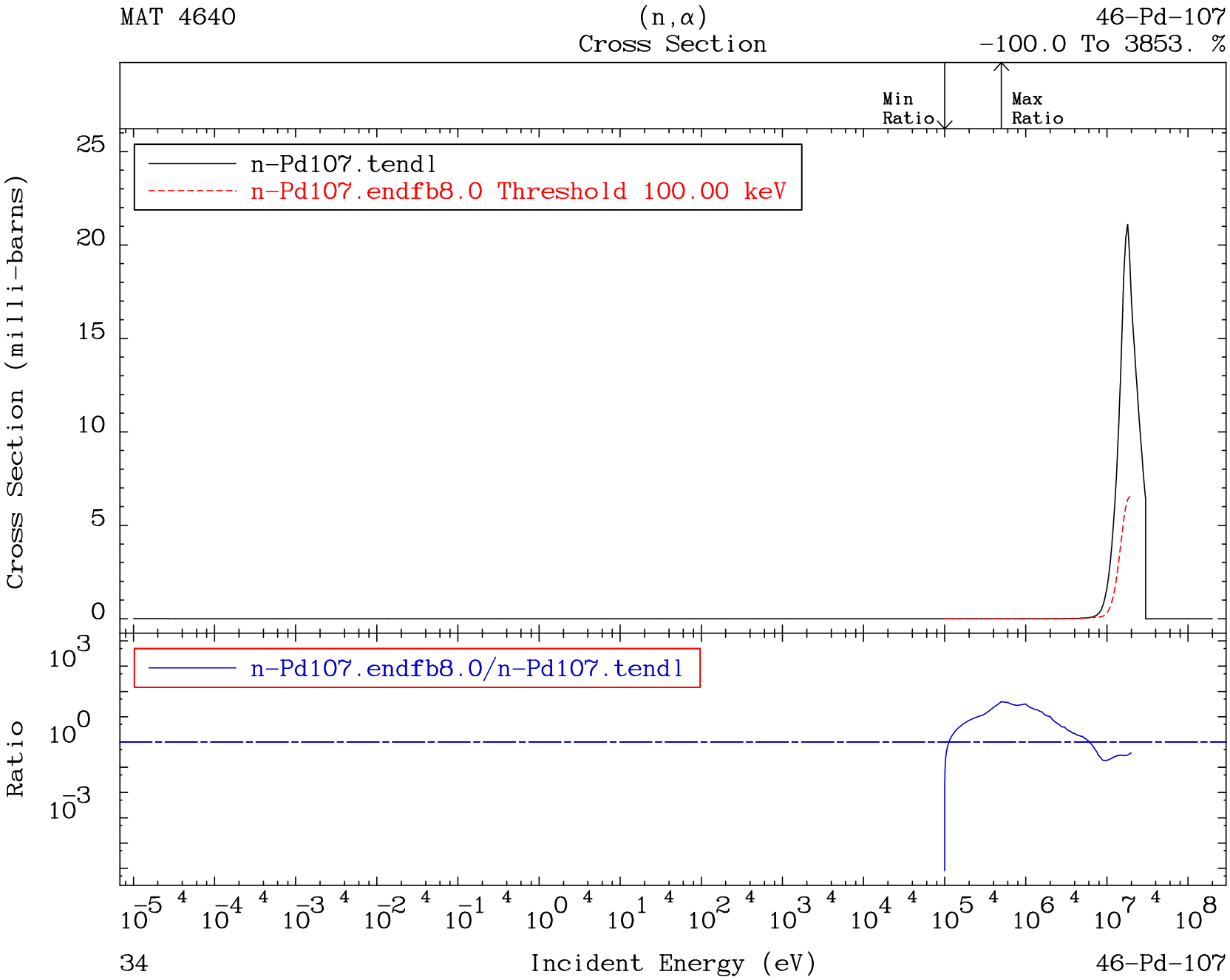

MAT 4640
(n,n') Continuum
Cross Section
46-Pd-107
-63.67 To 4444. %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 1.1780 MeV
n-Pd107.endfb8.0 Threshold 1.0397 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^2
10^1
10^0
10^6
10^7
10^8
Incident Energy (eV)
29
46-Pd-107

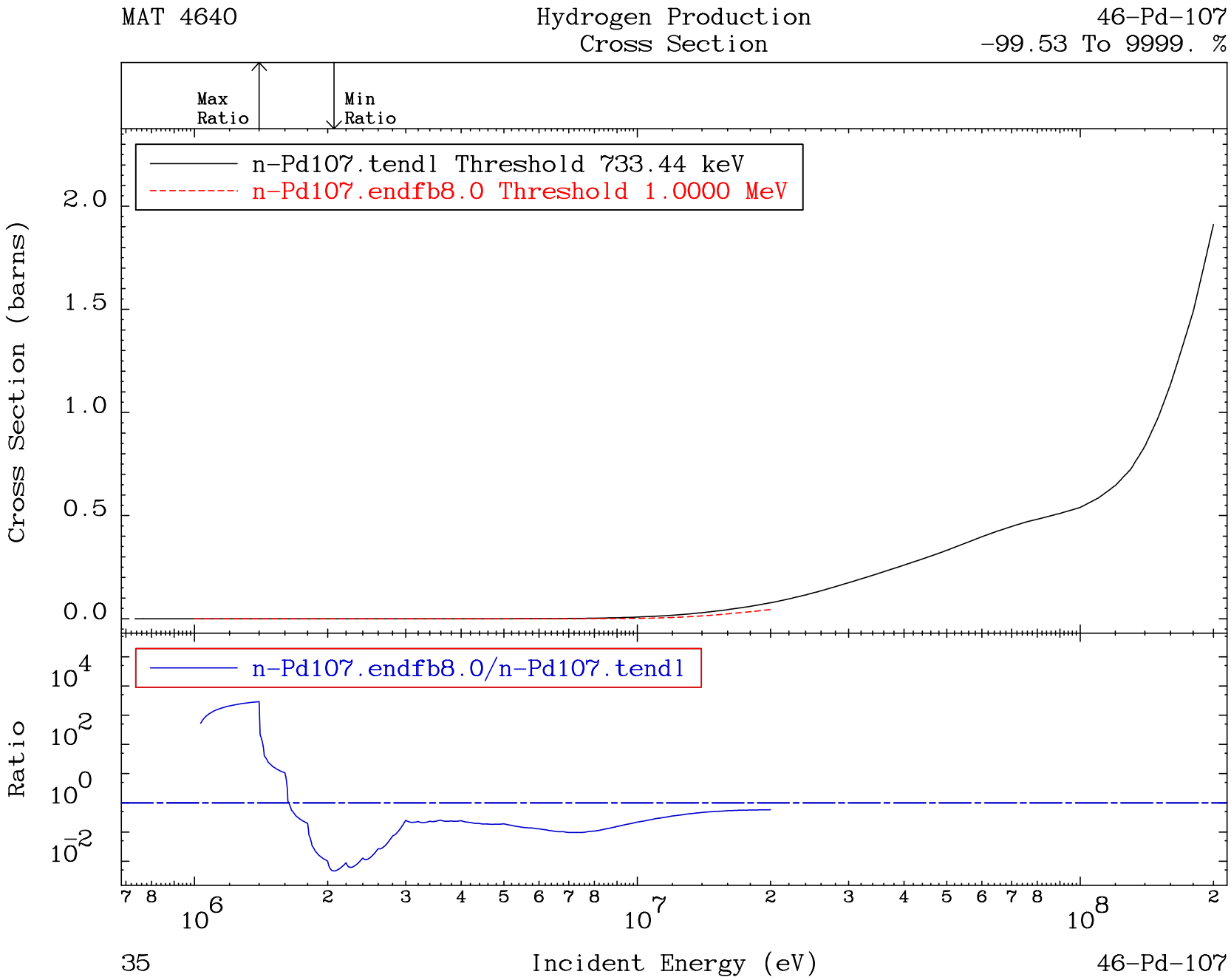

MAT 4640
(n,γ)
Cross Section
46-Pd-107
-91.33 To 7607. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
30
46-Pd-107

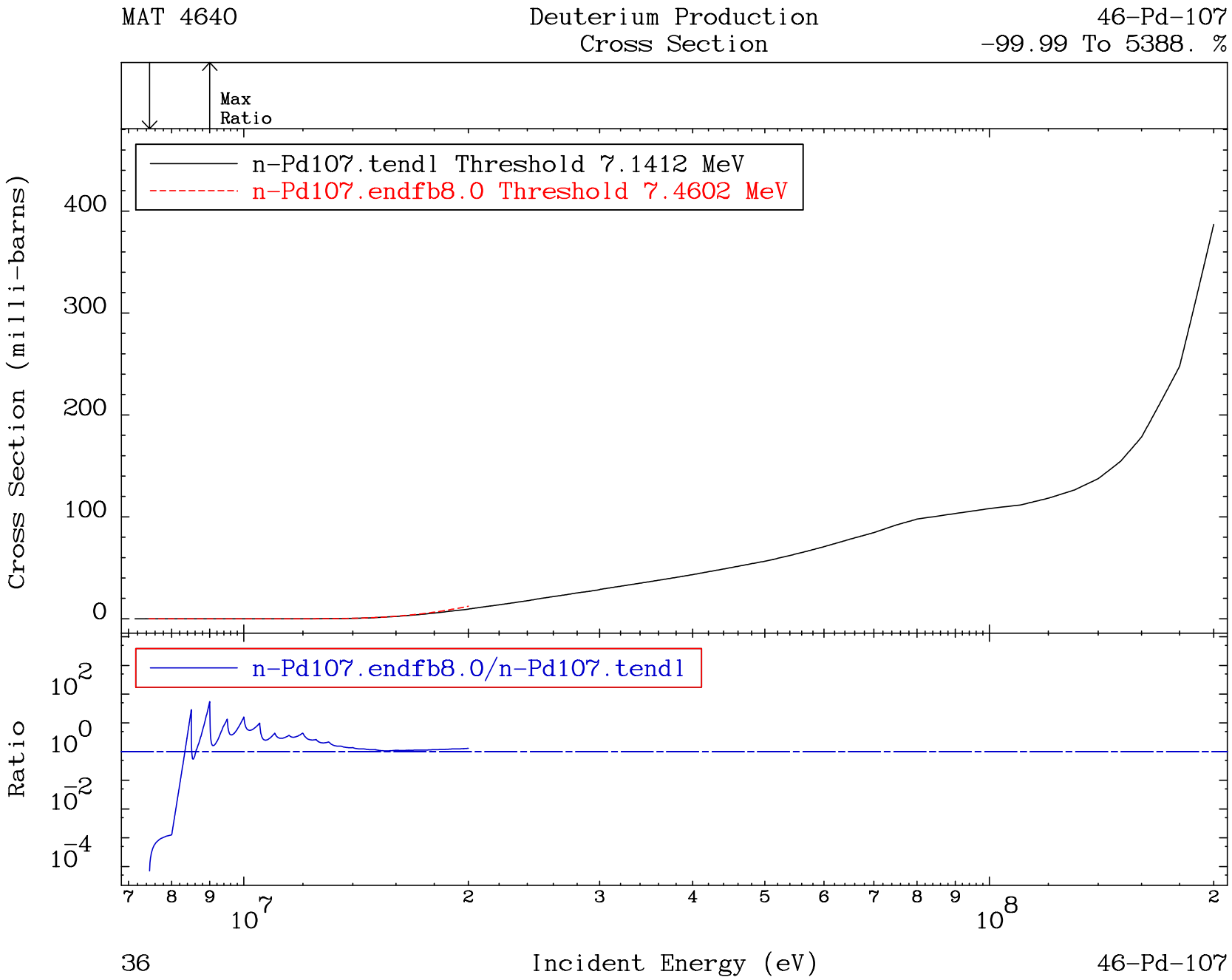

MAT 4640
(n,p)
Cross Section
46-Pd-107
-99.53 To 9999. %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 733.44 keV
n-Pd107.endfb8.0 Threshold 1.0000 MeV
Cross Section (milli-barns)
0
20
40
60
80
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^4
10^2
10^0
10^-2
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
46-Pd-107

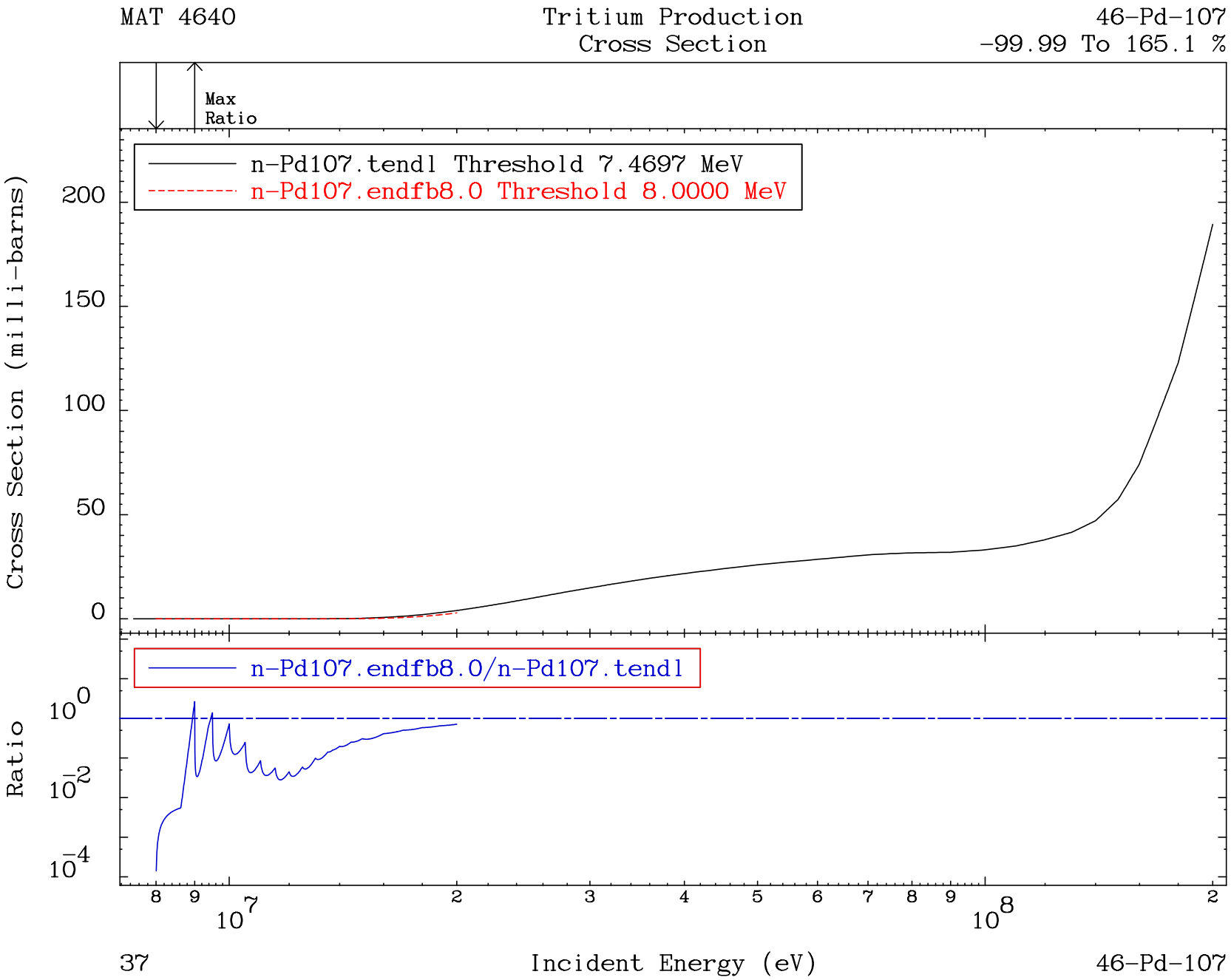

MAT 4640
(n,d)
Cross Section
46-Pd-107
-99.99 To 5388. %
Max
Ratio
n-Pd107.tendl Threshold 7.1412 MeV
n-Pd107.endfb8.0 Threshold 7.4602 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^2
10^0
10^-2
10^-4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
46-Pd-107

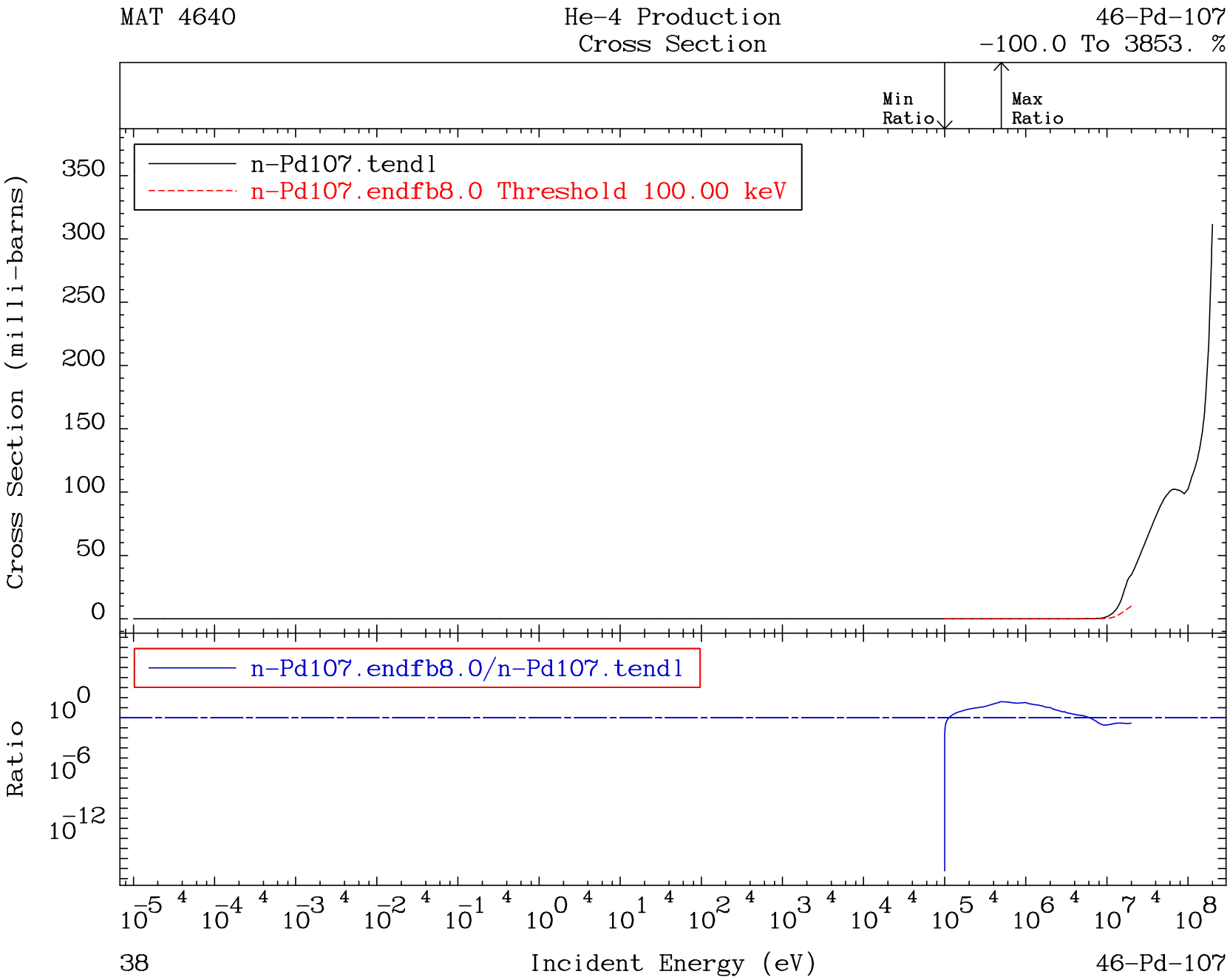

MAT 4640
(n,t)
Cross Section
46-Pd-107
-99.99 To 165.1 %
Max
Ratio
n-Pd107.tendl Threshold 7.4697 MeV
n-Pd107.endfb8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
$10^{0}$
$10^{-2}$
$10^{-4}$
8 9 $10^{7}$ 2 3 4 5 6 7 8 9 $10^{8}$ 2
33
Incident Energy (eV)
46-Pd-107

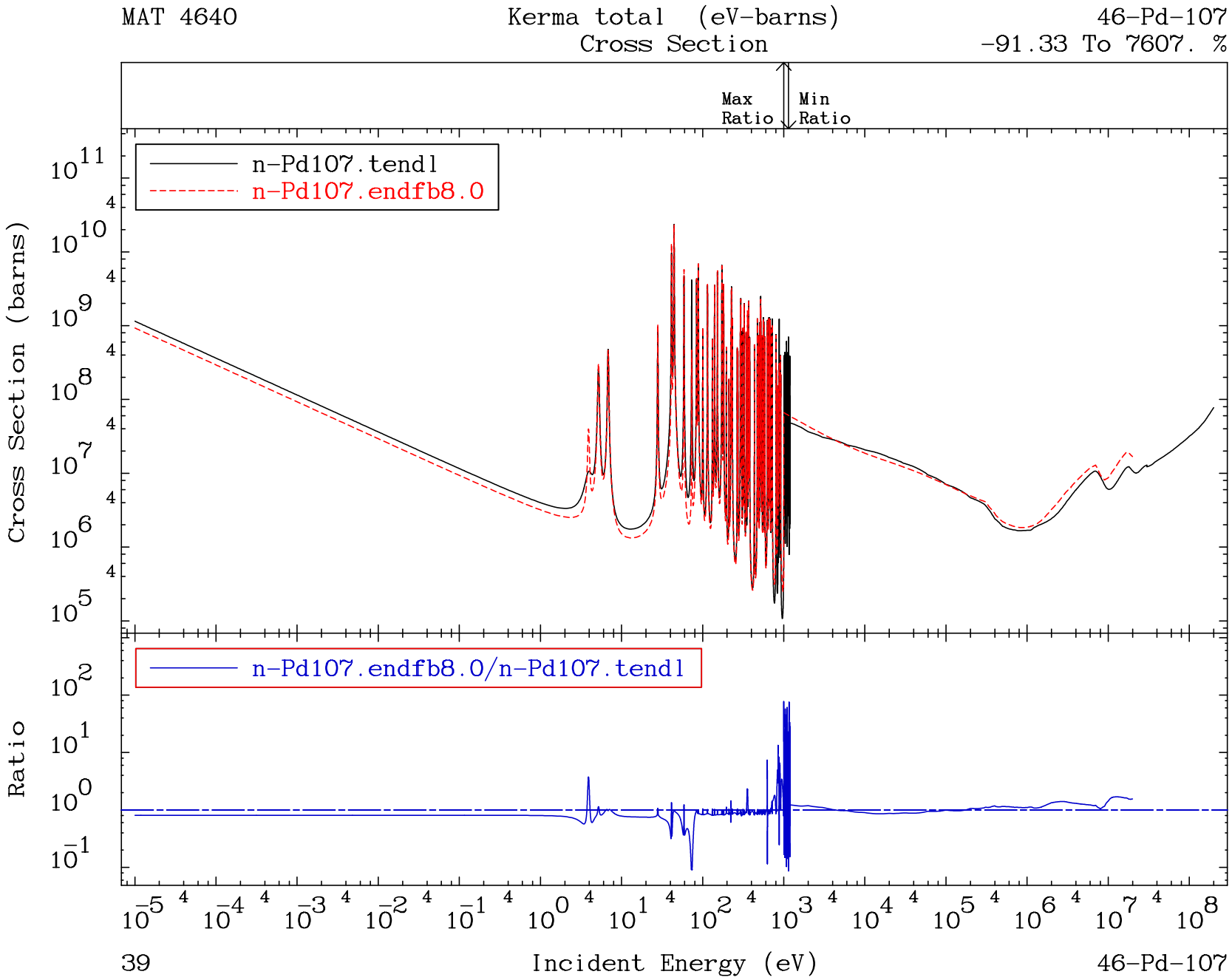

MAT 4640
(n,α)
Cross Section
46-Pd-107
-100.0 To 3853. %
Min Ratio
Max Ratio
n-Pd107.tendl
n-Pd107.endfb8.0 Threshold 100.00 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^3
10^0
10^-3
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
46-Pd-107

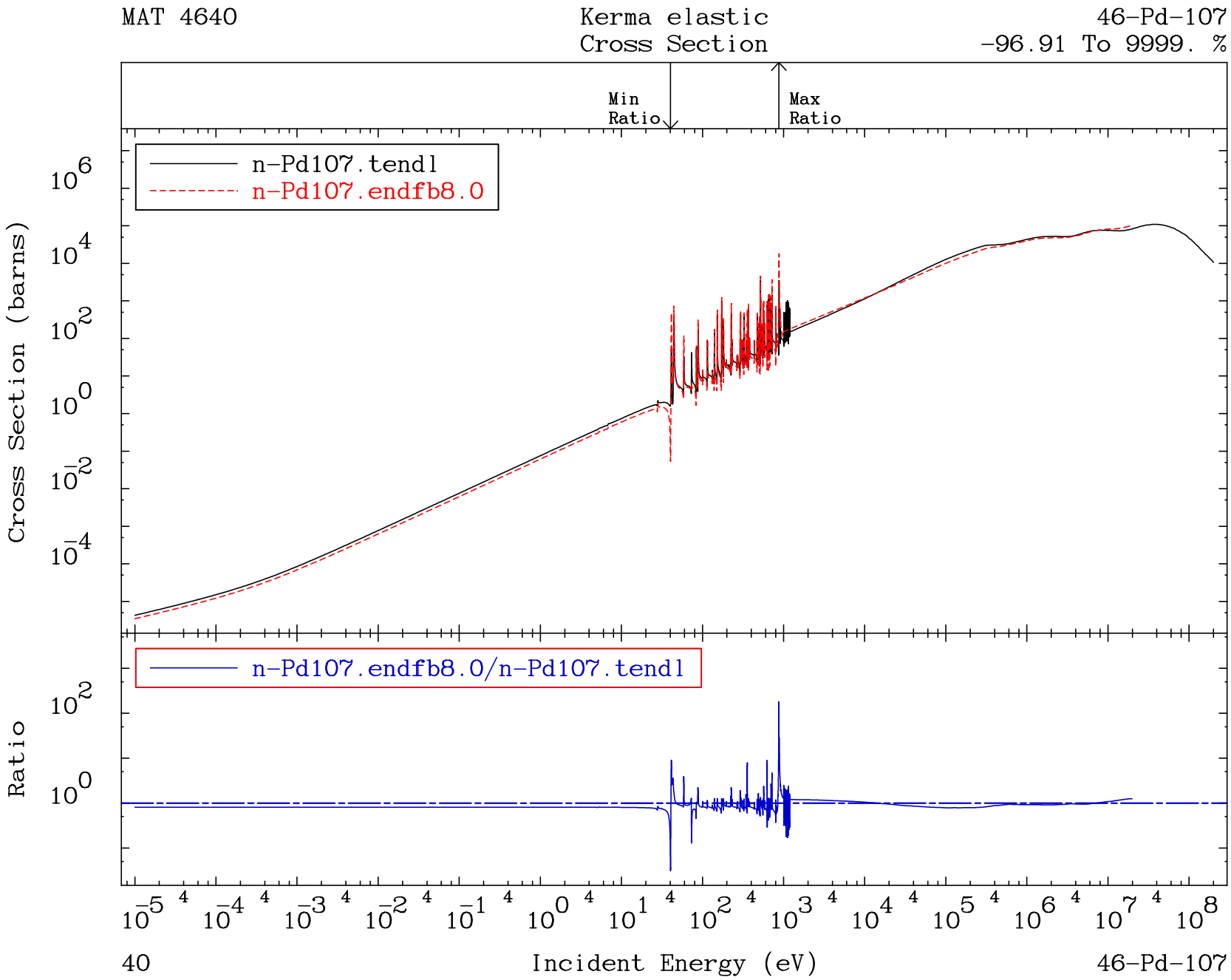

MAT 4640
Hydrogen Production
Cross Section
46-Pd-107
-99.53 To 9999. %
Max Ratio
Min Ratio
n-Pd107.tendl Threshold 733.44 keV
n-Pd107.endfb8.0 Threshold 1.0000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^4
10^2
10^0
10^-2
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
46-Pd-107

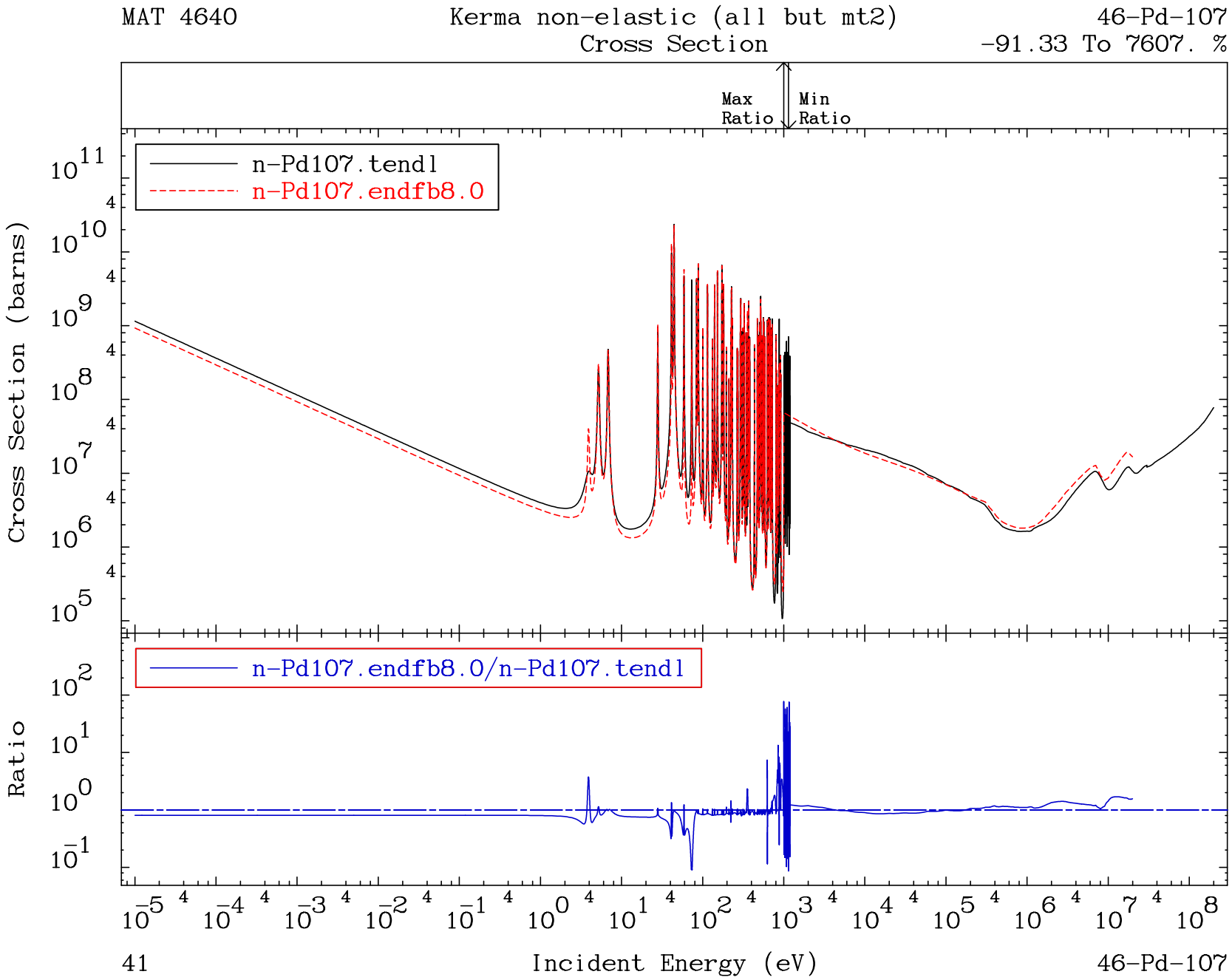

MAT 4640
Deuterium Production
Cross Section
46-Pd-107
-99.99 To 5388. %
Max
Ratio
n-Pd107.tendl Threshold 7.1412 MeV
n-Pd107.endfb8.0 Threshold 7.4602 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^2
10^0
10^-2
10^-4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
46-Pd-107

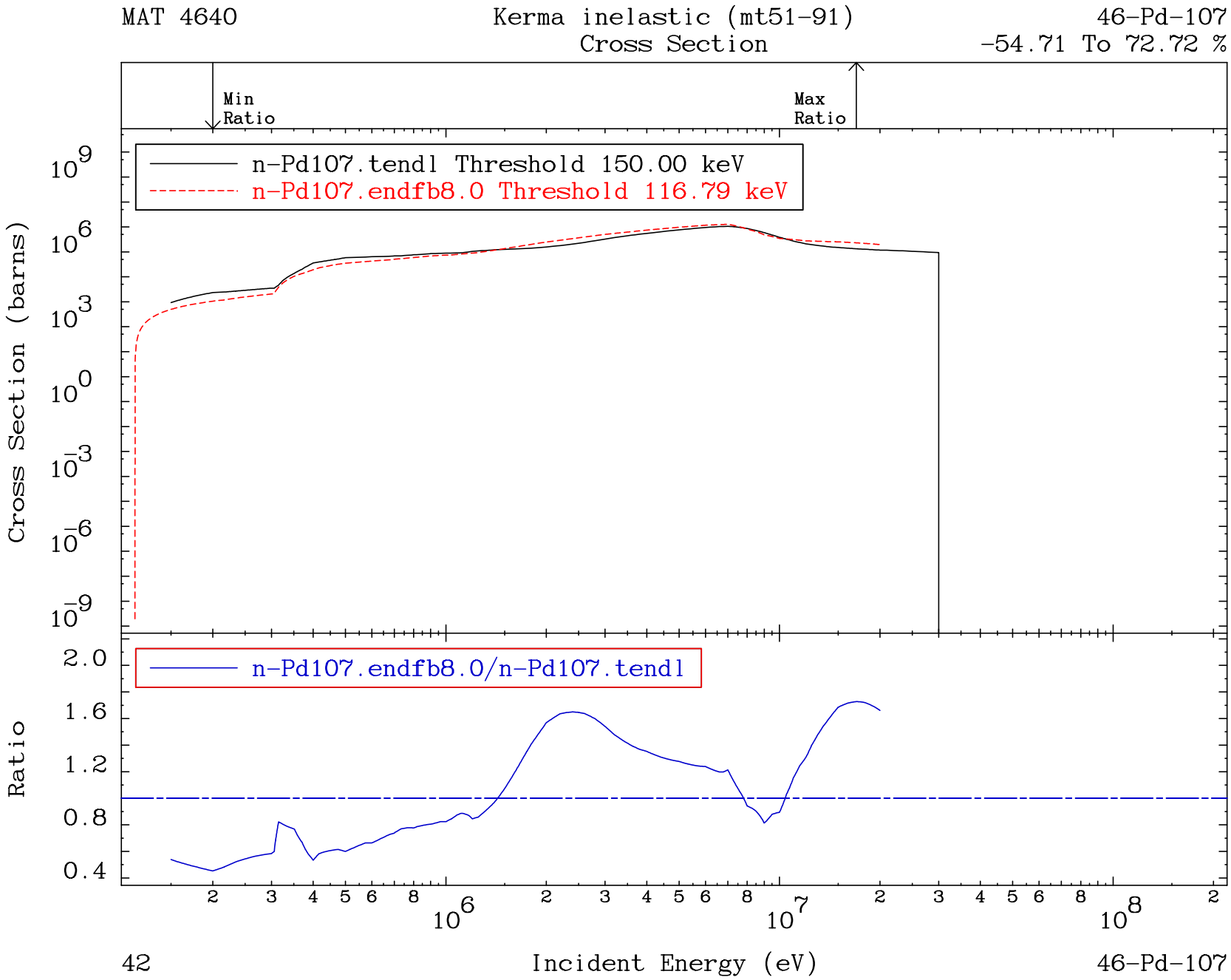

MAT 4640
Tritium Production
Cross Section
46-Pd-107
-99.99 To 165.1 %
Max
Ratio
n-Pd107.tendl Threshold 7.4697 MeV
n-Pd107.endfb8.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-2
10^-4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
46-Pd-107

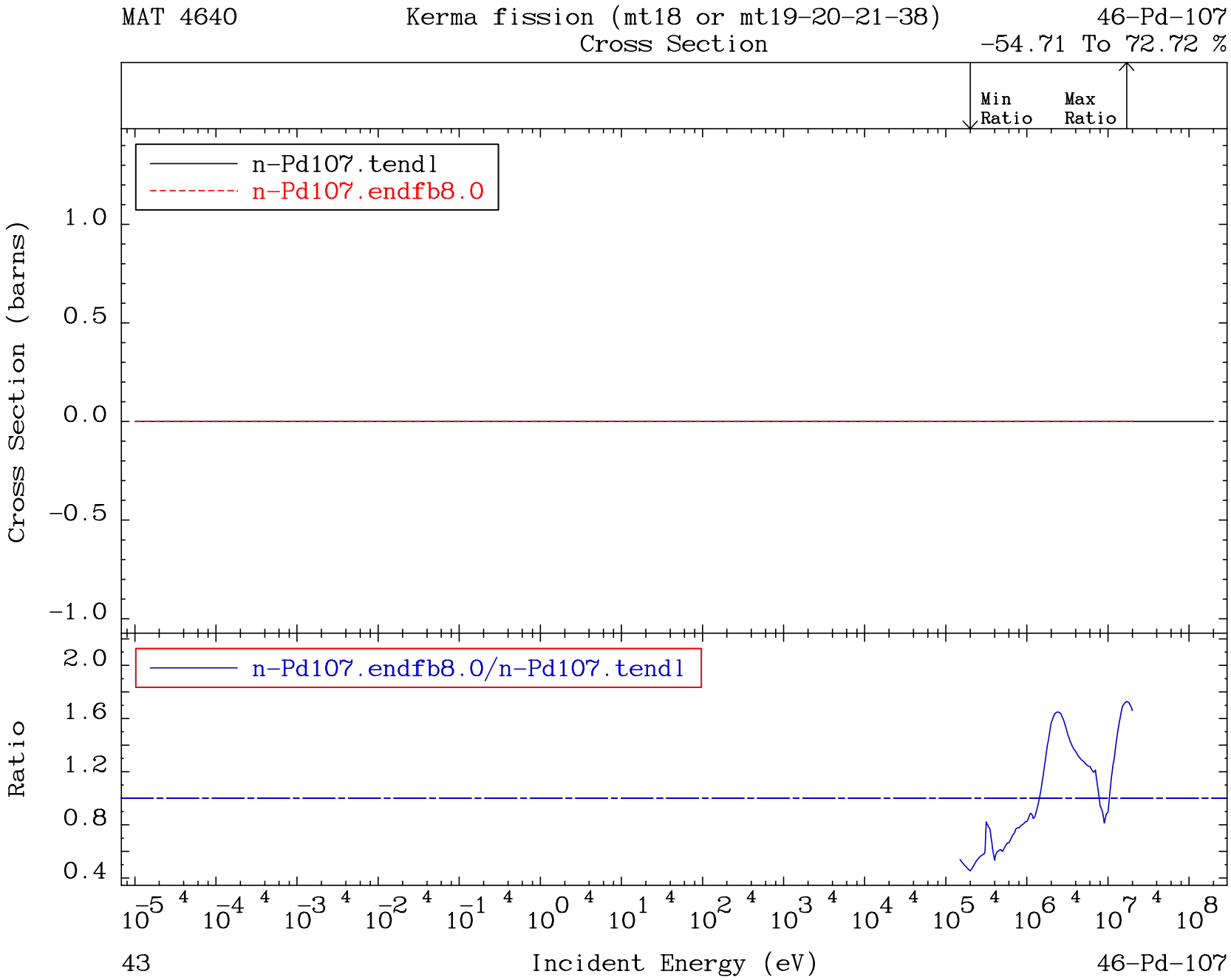

MAT 4640
He-4 Production
Cross Section
46-Pd-107
-100.0 To 3853. %
Min Ratio
Max Ratio
n-Pd107.tendl
n-Pd107.endfb8.0 Threshold 100.00 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-6
10^-12
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
46-Pd-107

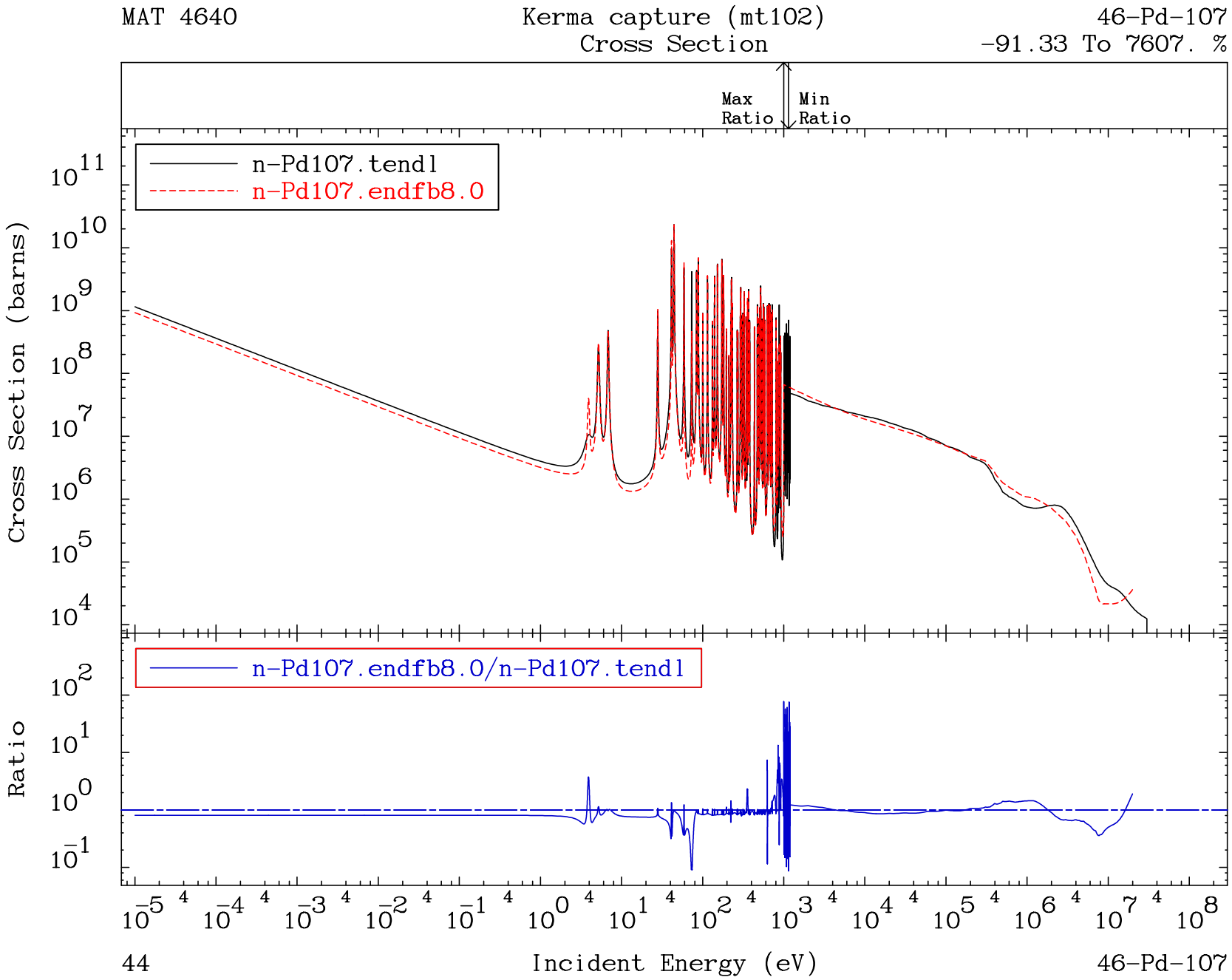

MAT 4640
Kerma total (eV-barns)
Cross Section
46-Pd-107
-91.33 To 7607. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
39
Incident Energy (eV)
46-Pd-107

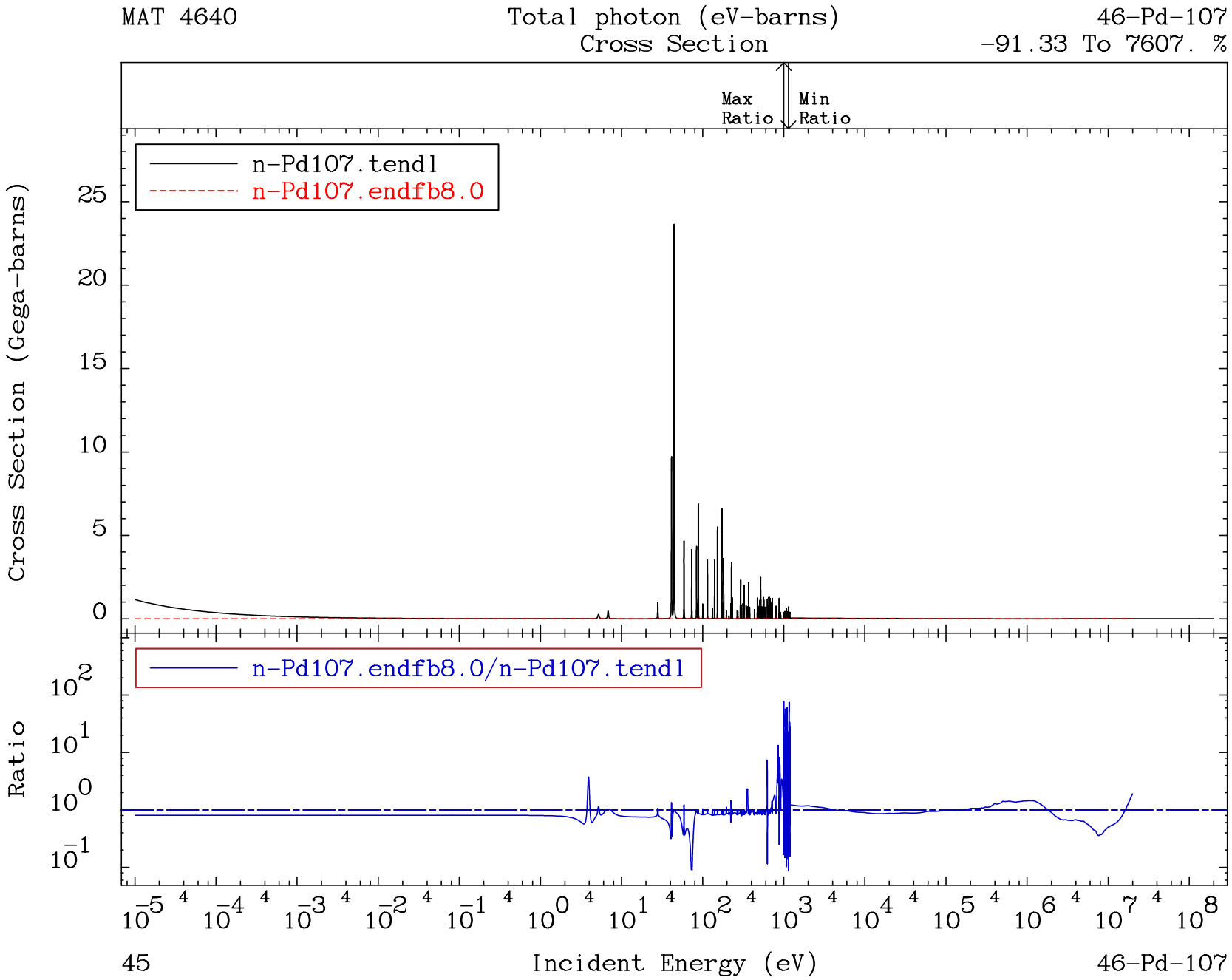

MAT 4640
Kerma elastic
Cross Section
46-Pd-107
-96.91 To 9999. %
Min
Ratio
Max
Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
40
46-Pd-107

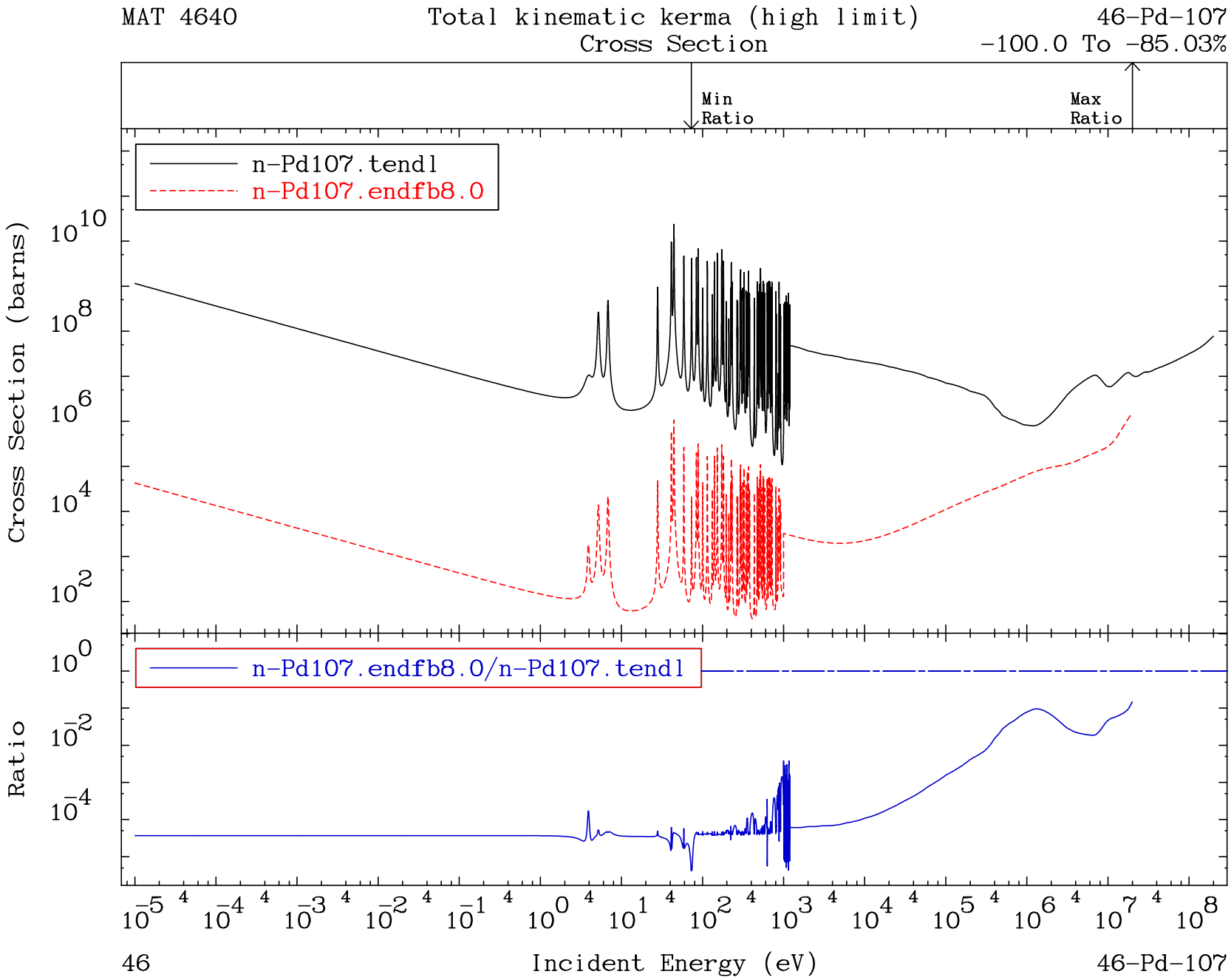

MAT 4640
Kerma non-elastic (all but mt2)
Cross Section
46-Pd-107
-91.33 To 7607. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
41
46-Pd-107

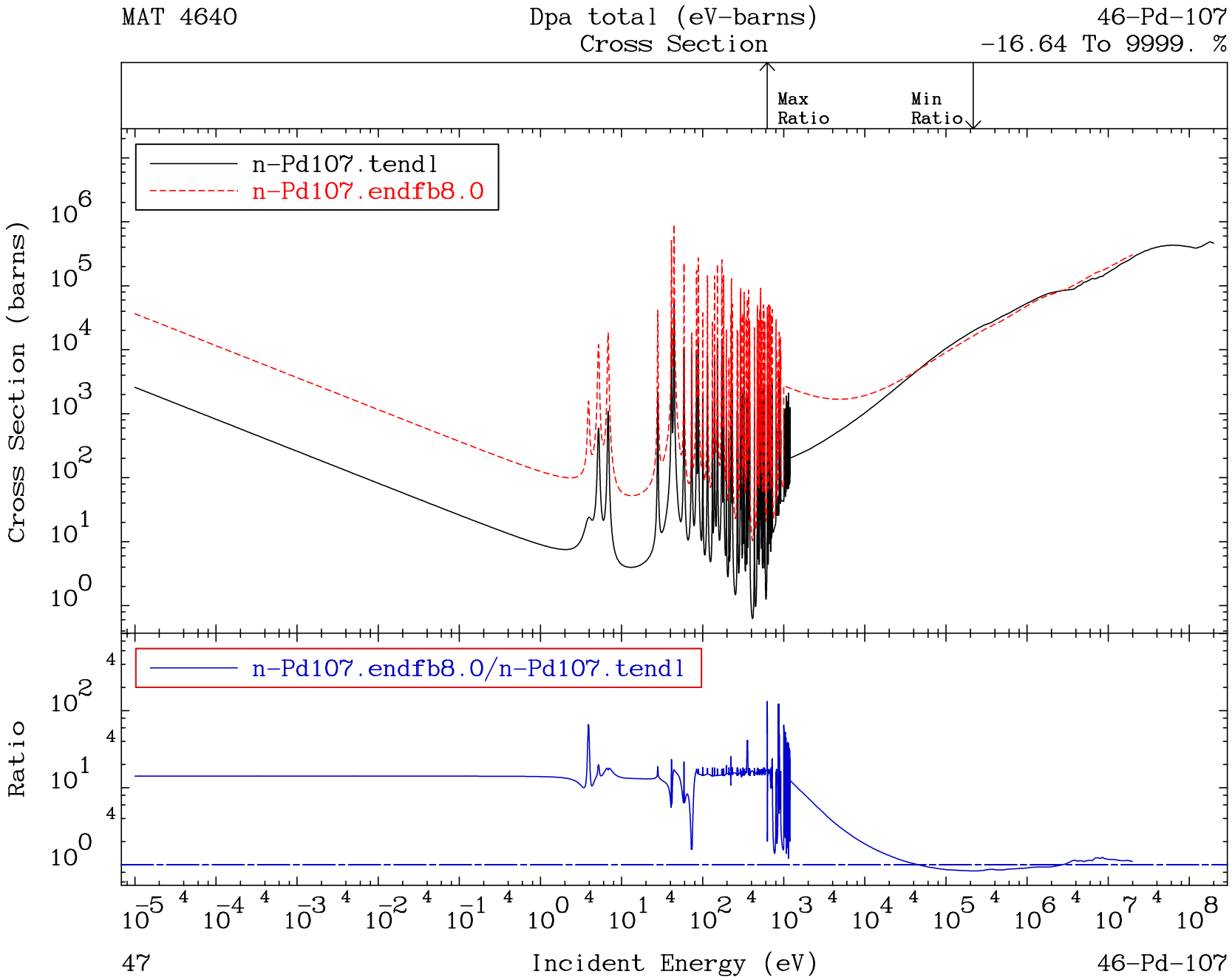

MAT 4640
Kerma inelastic (mt51-91)
Cross Section
46-Pd-107
-54.71 To 72.72 %
Min Ratio
Max Ratio
n-Pd107.tendl Threshold 150.00 keV
n-Pd107.endfb8.0 Threshold 116.79 keV
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
42
46-Pd-107

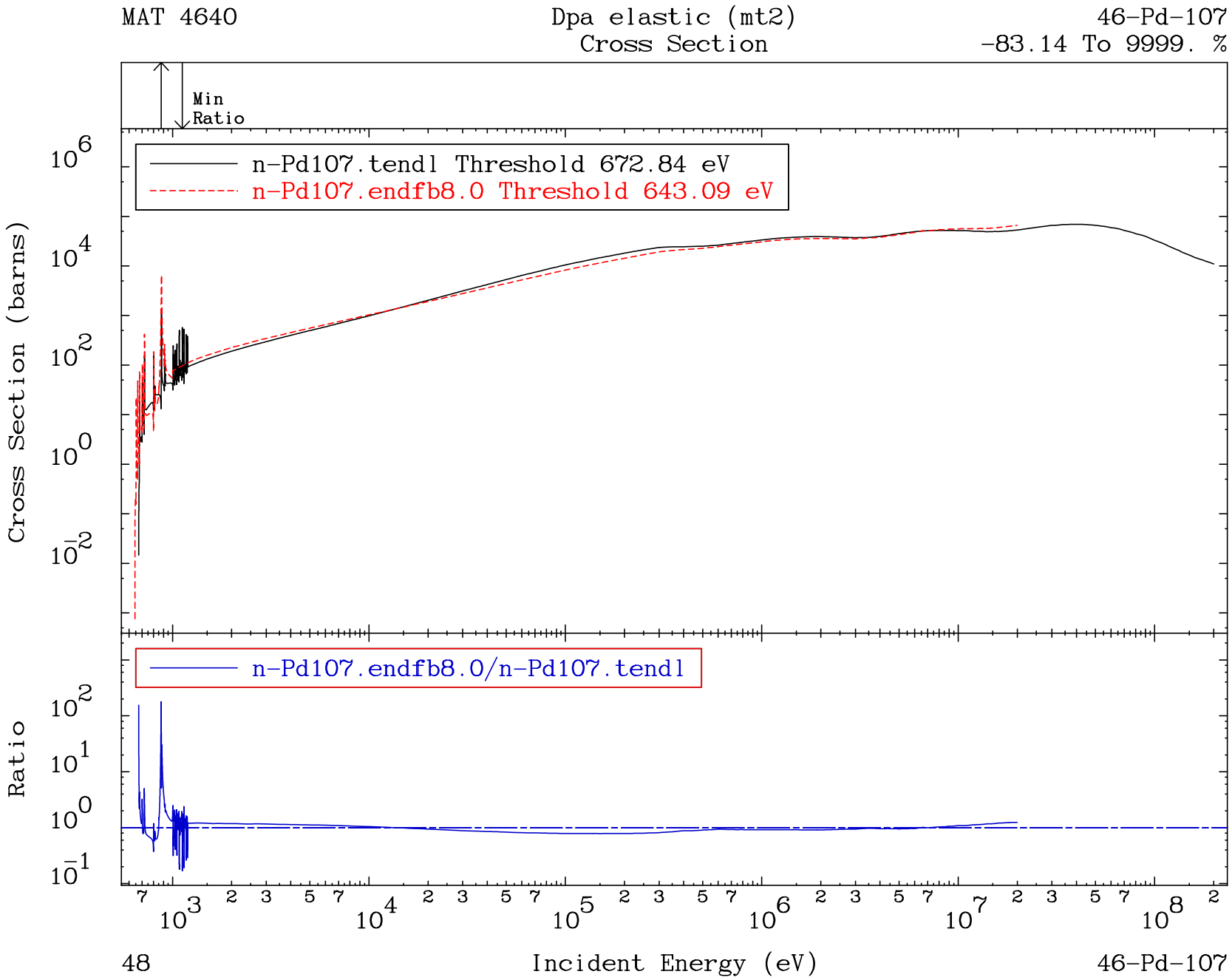

MAT 4640
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
46-Pd-107
-54.71 To 72.72 %
Min Ratio
Max Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
2.0
1.6
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
46-Pd-107

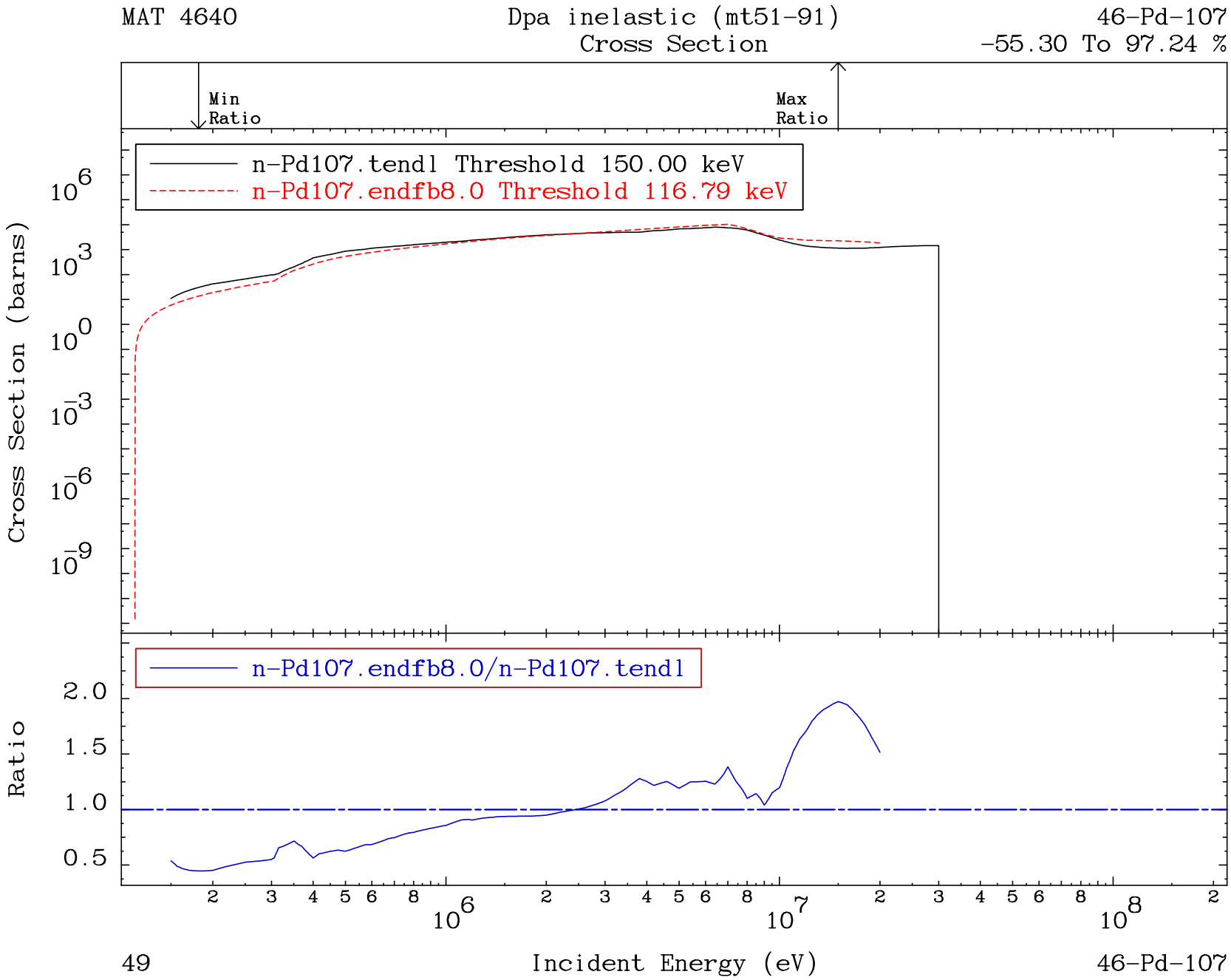

MAT 4640
Kerma capture (mt102)
Cross Section
46-Pd-107
-91.33 To 7607. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
44
46-Pd-107

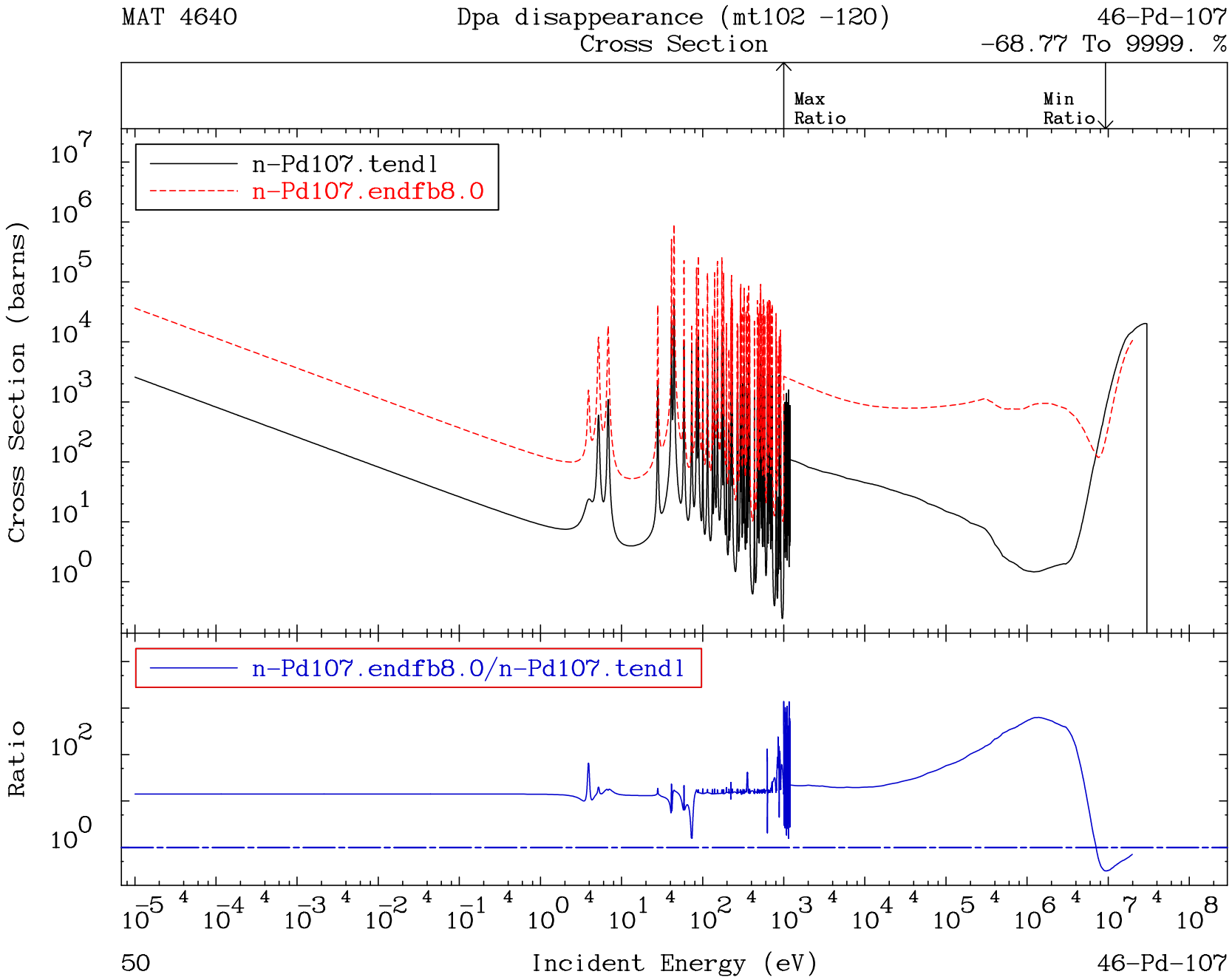

MAT 4640
Total photon (eV-barns)
Cross Section
46-Pd-107
-91.33 To 7607. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (Giga-barns)
25
20
15
10
5
0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^2
10^1
10^0
10^-1
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
46-Pd-107


MAT 4640
Total kinematic kerma (high limit)
Cross Section
46-Pd-107
-100.0 To -85.03%
Min Ratio
Max Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
10^10
10^8
10^6
10^4
10^2
10^0
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
10^0
10^-2
10^-4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
46-Pd-107


MAT 4640
Dpa total (eV-barns)
Cross Section
46-Pd-107
-16.64 To 9999. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
47
46-Pd-107


MAT 4640
Dpa elastic (mt2)
Cross Section
46-Pd-107
-83.14 To 9999. %
Min
Ratio
n-Pd107.tendl Threshold 672.84 eV
n-Pd107.endfb8.0 Threshold 643.09 eV
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
48
46-Pd-107


MAT 4640
Dpa inelastic (mt51-91)
Cross Section
46-Pd-107
-55.30 To 97.24 %
Min Ratio
Max Ratio
n-Pd107.tendl Threshold 150.00 keV
n-Pd107.endfb8.0 Threshold 116.79 keV
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
49
46-Pd-107


MAT 4640
Dpa disappearance (mt102 -120)
Cross Section
46-Pd-107
-68.77 To 9999. %
Max Ratio
Min Ratio
n-Pd107.tendl
n-Pd107.endfb8.0
Cross Section (barns)
n-Pd107.endfb8.0/n-Pd107.tendl
Ratio
Incident Energy (eV)
50
46-Pd-107