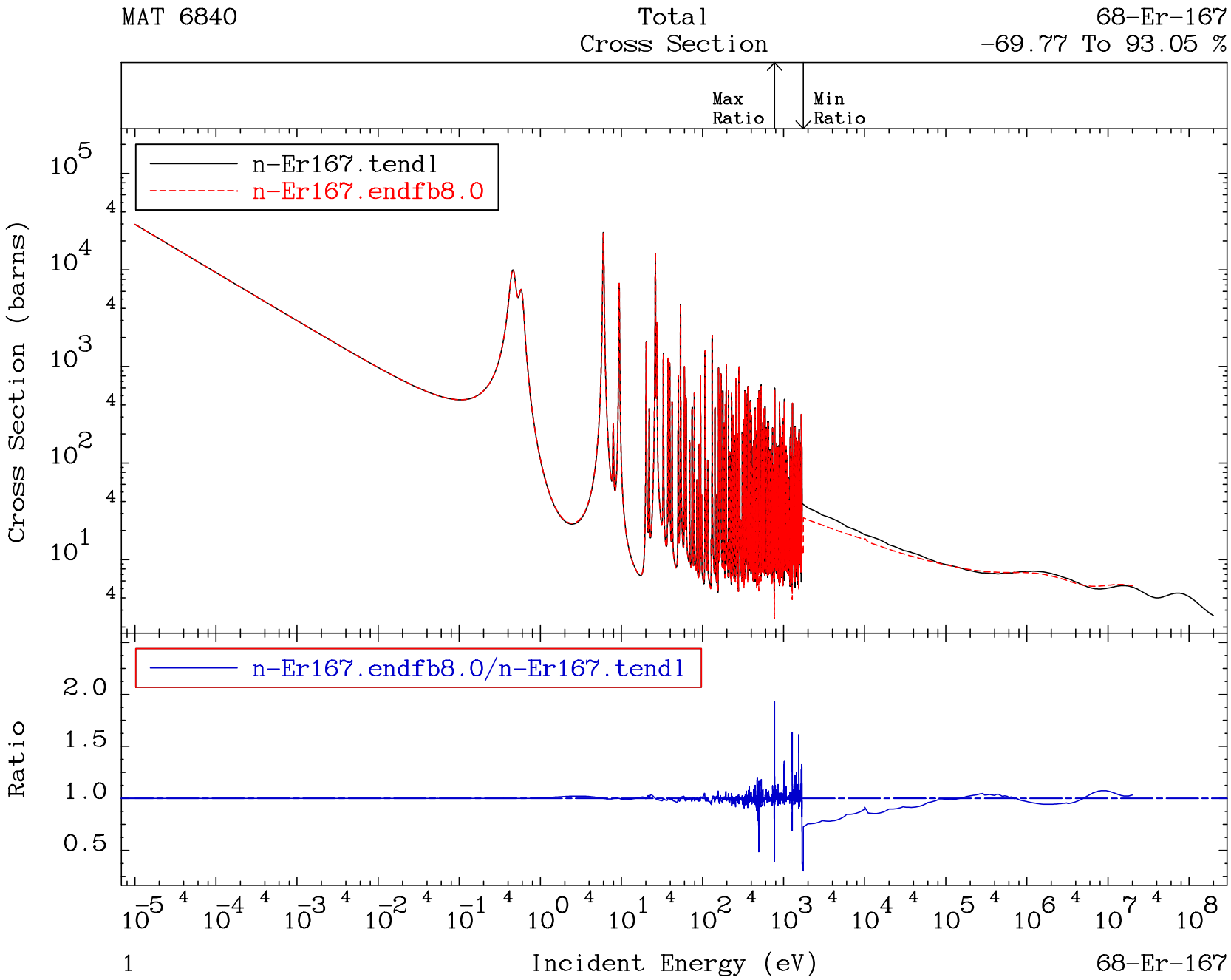
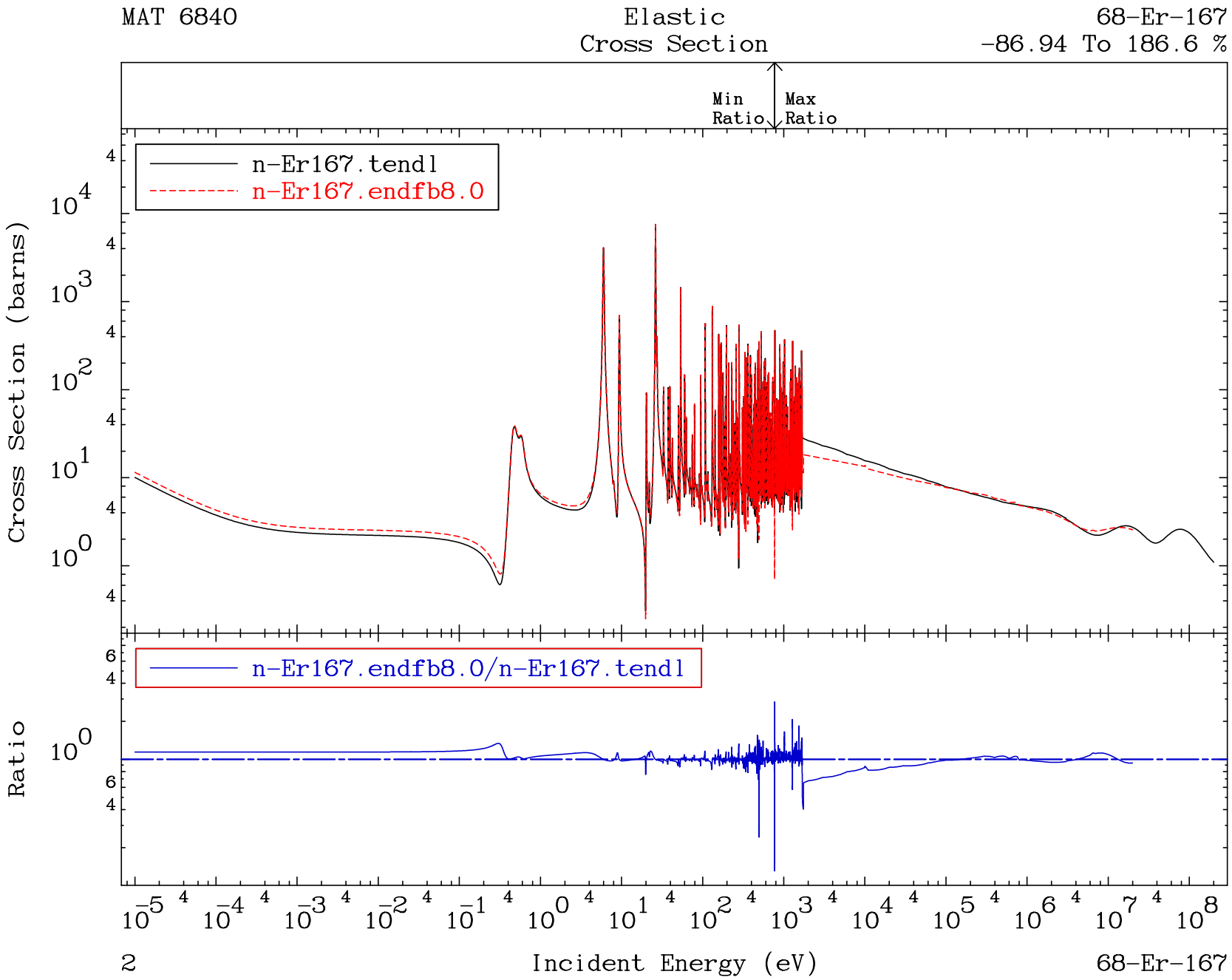
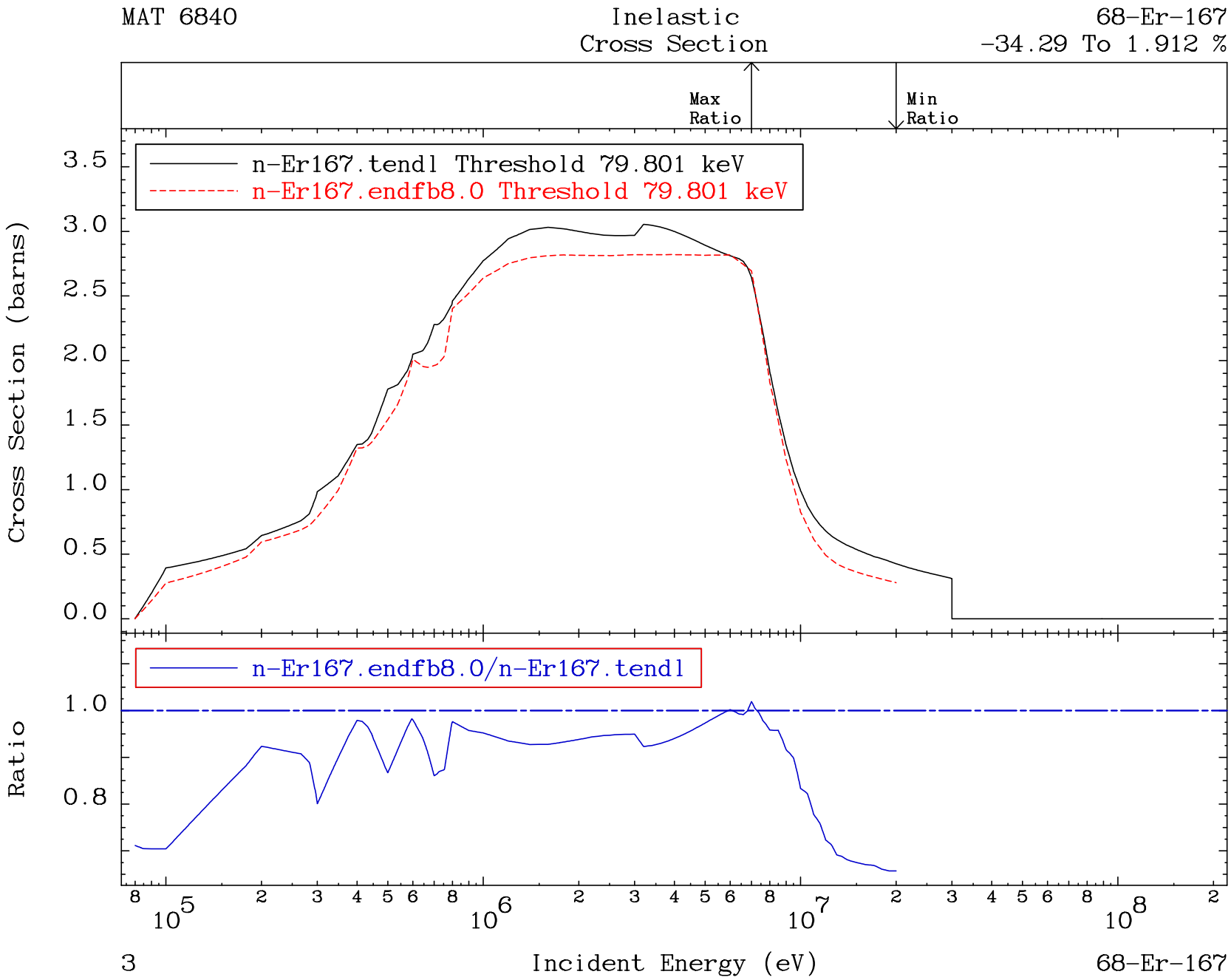
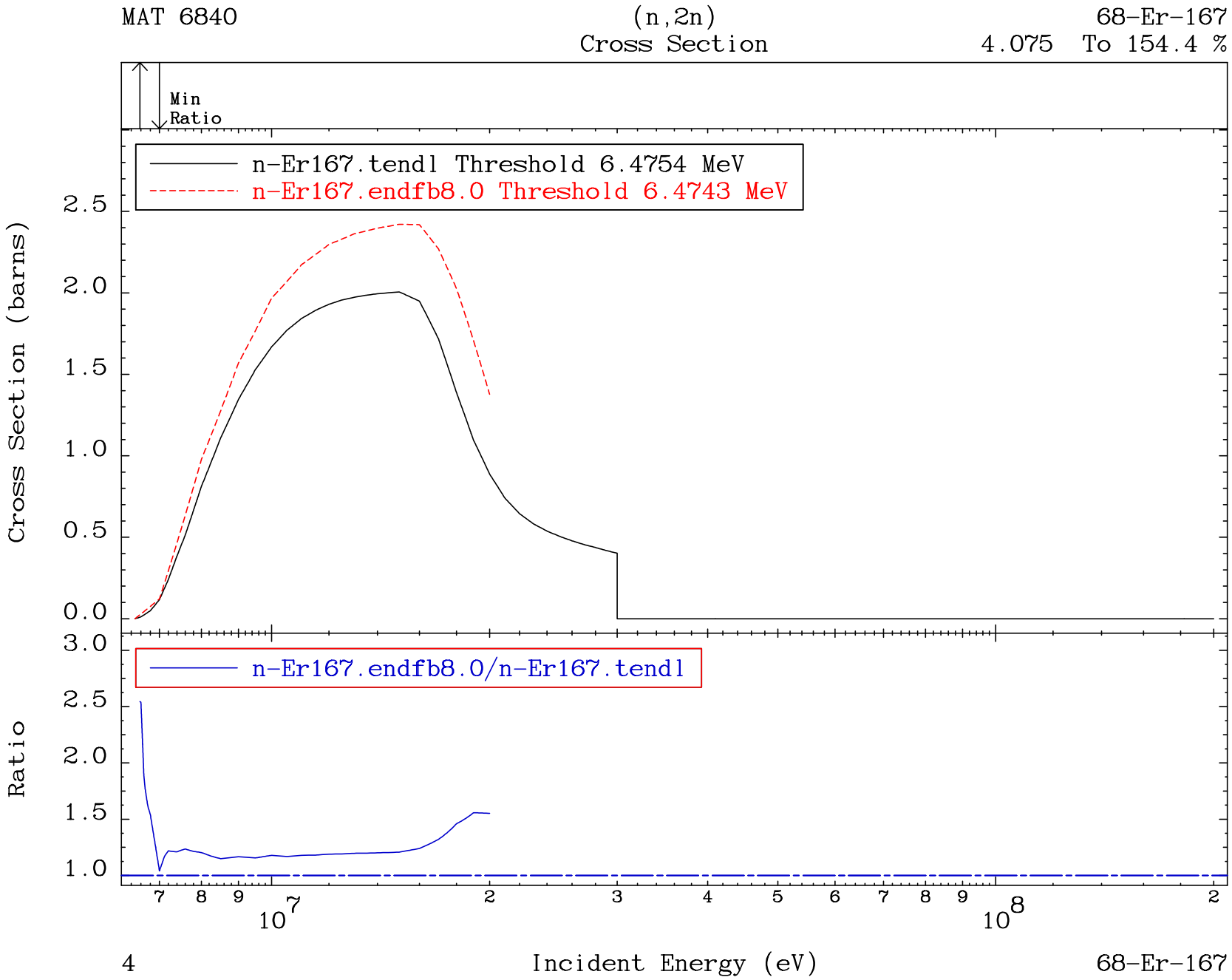
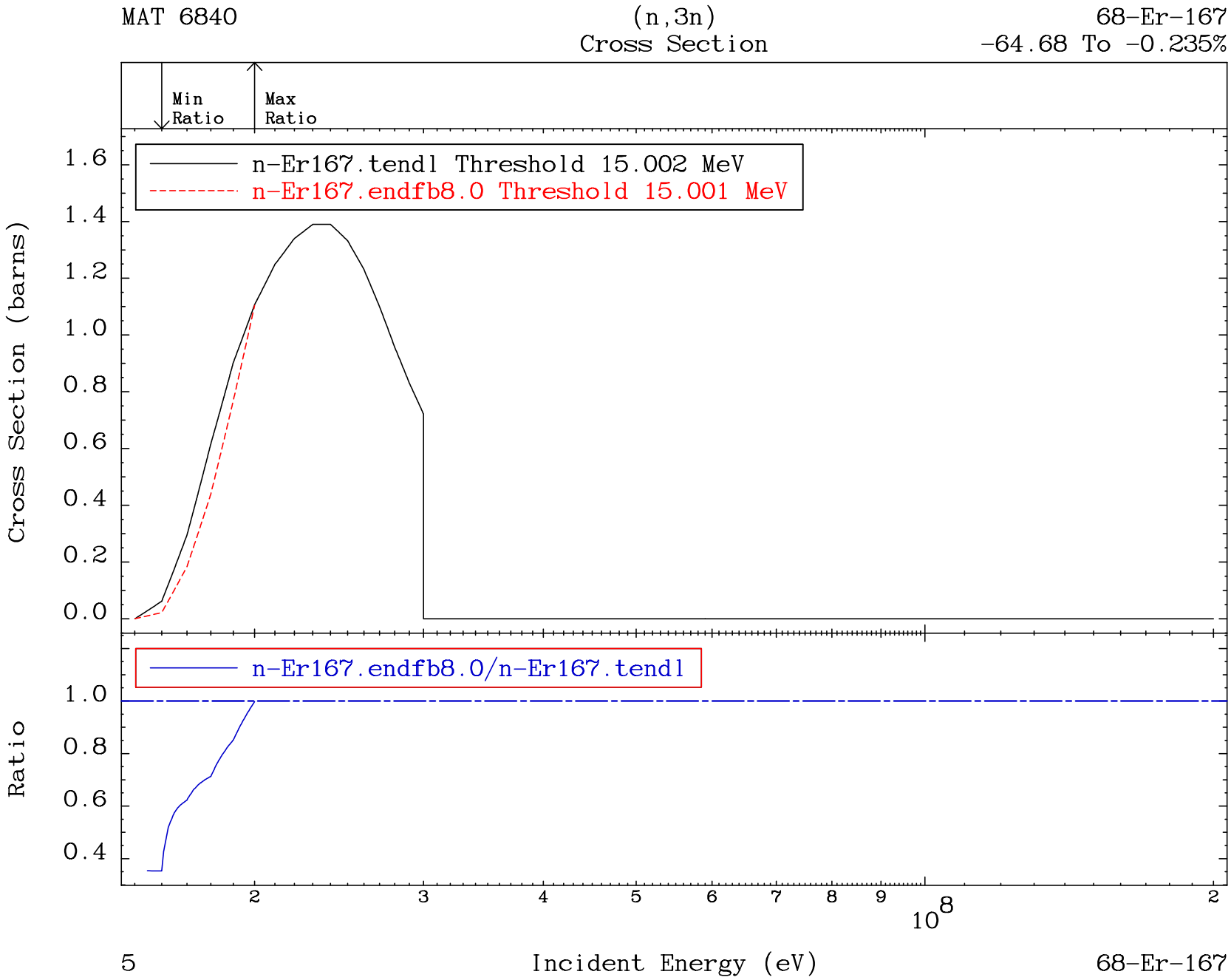
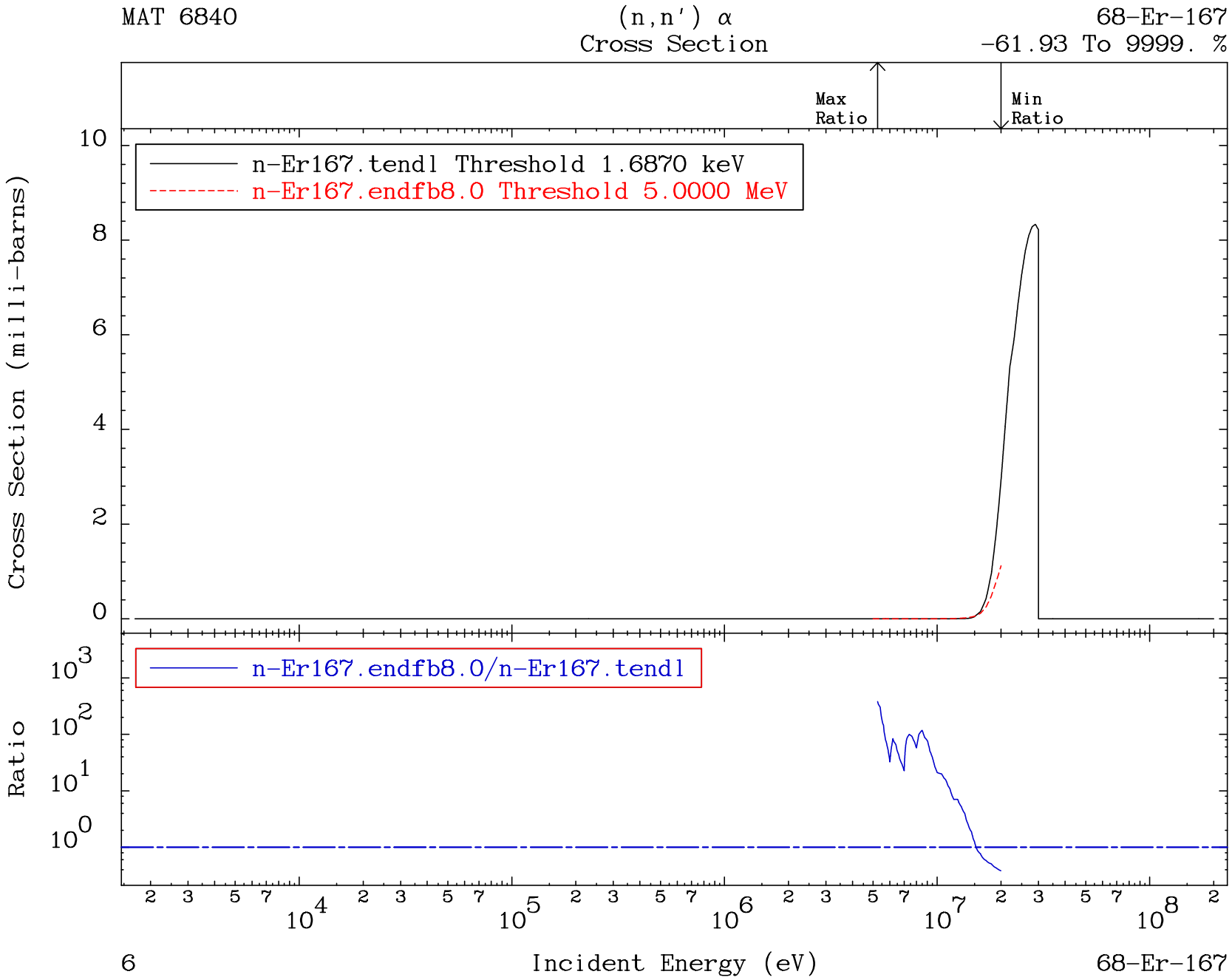

MAT 6840
Total
Cross Section
68-Er-167
-69.77 To 93.05 %
Max
Ratio
Min
Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
1
68-Er-167

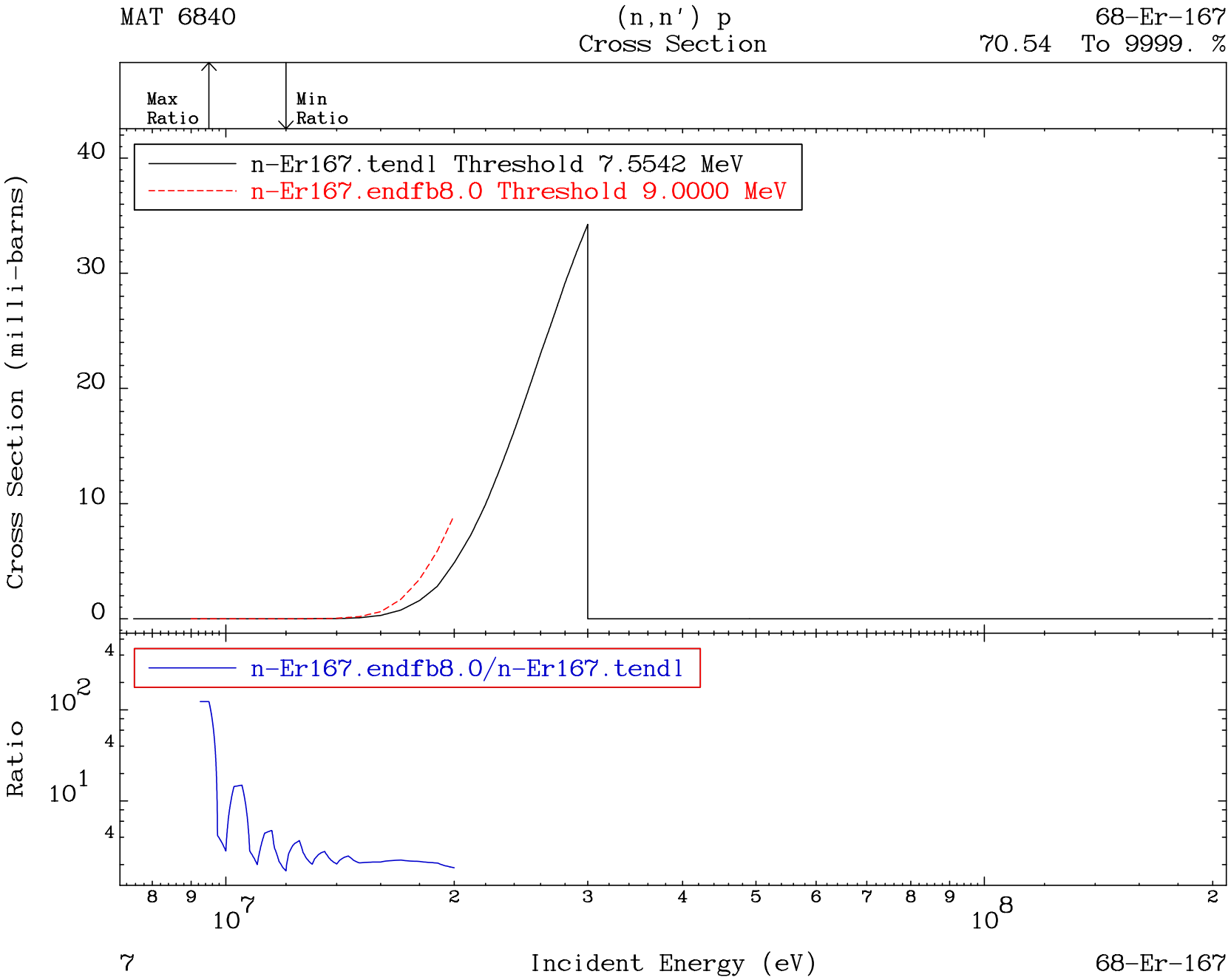

MAT 6840
Elastic
Cross Section
68-Er-167
-86.94 To 186.6 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
2
68-Er-167

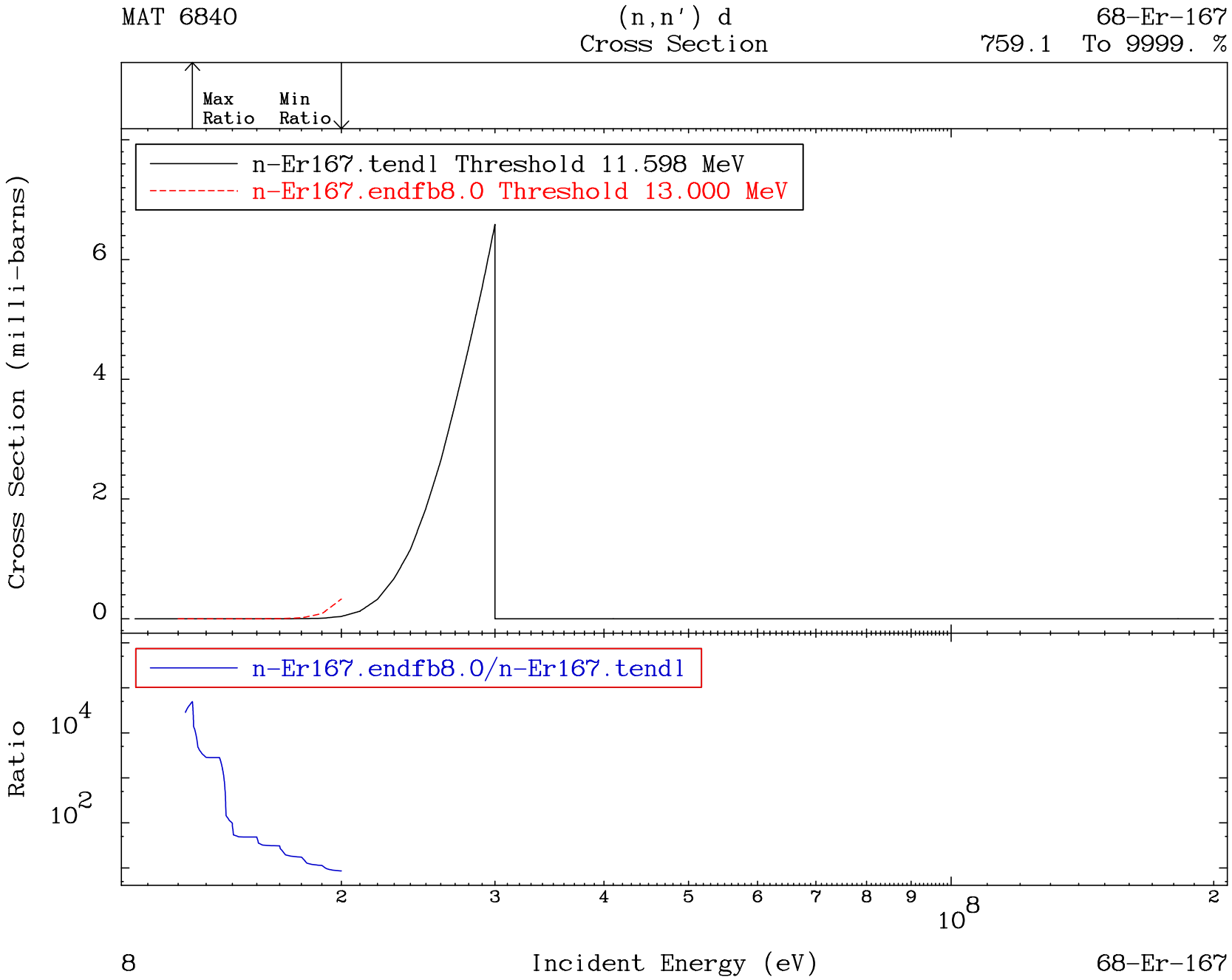

MAT 6840
Inelastic
Cross Section
68-Er-167
-34.29 To 1.912 %
Max
Ratio
Min
Ratio
n-Er167.tendl Threshold 79.801 keV
n-Er167.endfb8.0 Threshold 79.801 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
1.0
0.8
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
68-Er-167

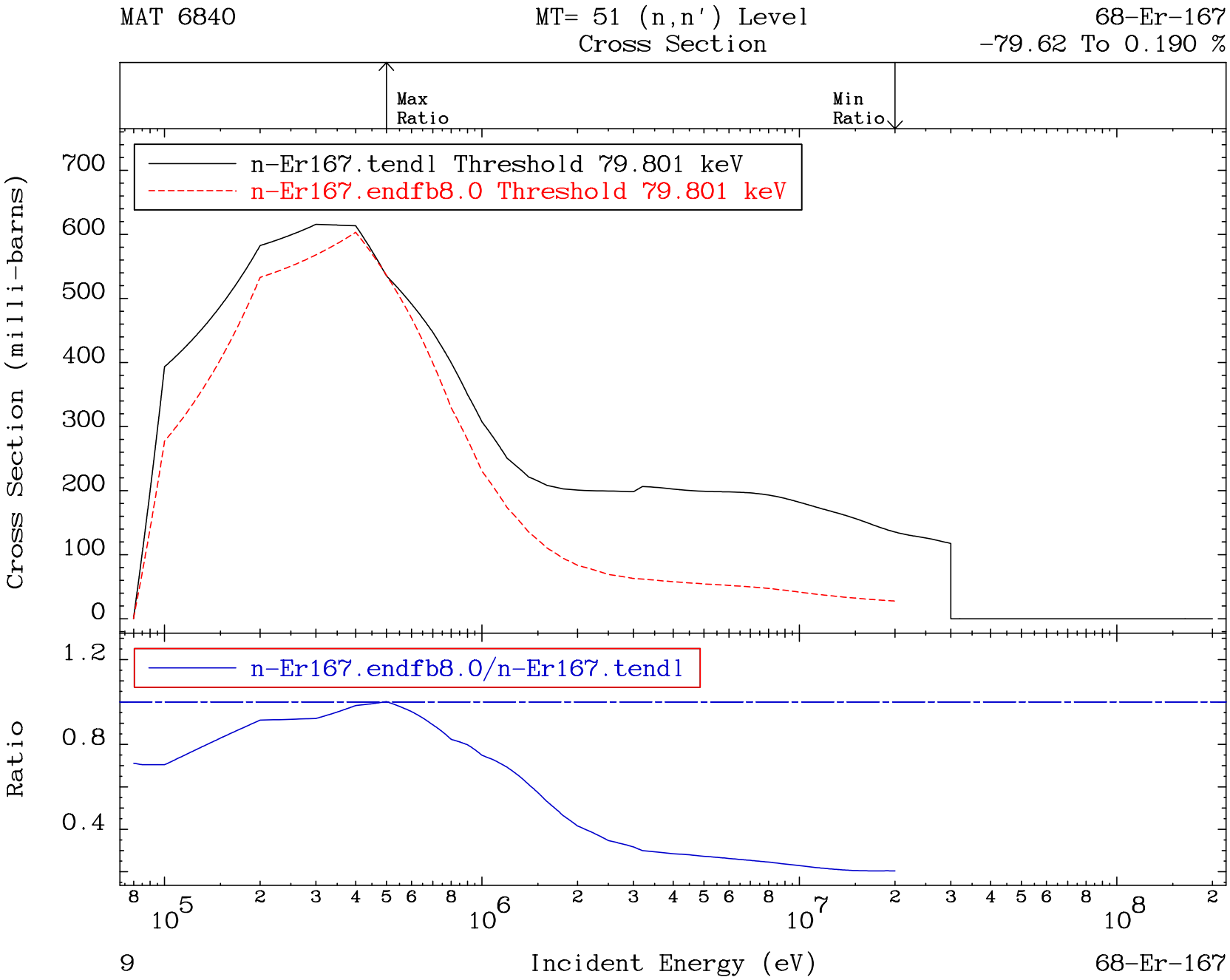

MAT 6840
(n,2n)
Cross Section
68-Er-167
4.075 To 154.4 %
Min
Ratio
n-Er167.tendl Threshold 6.4754 MeV
n-Er167.endfb8.0 Threshold 6.4743 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
3.0
2.5
2.0
1.5
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
68-Er-167

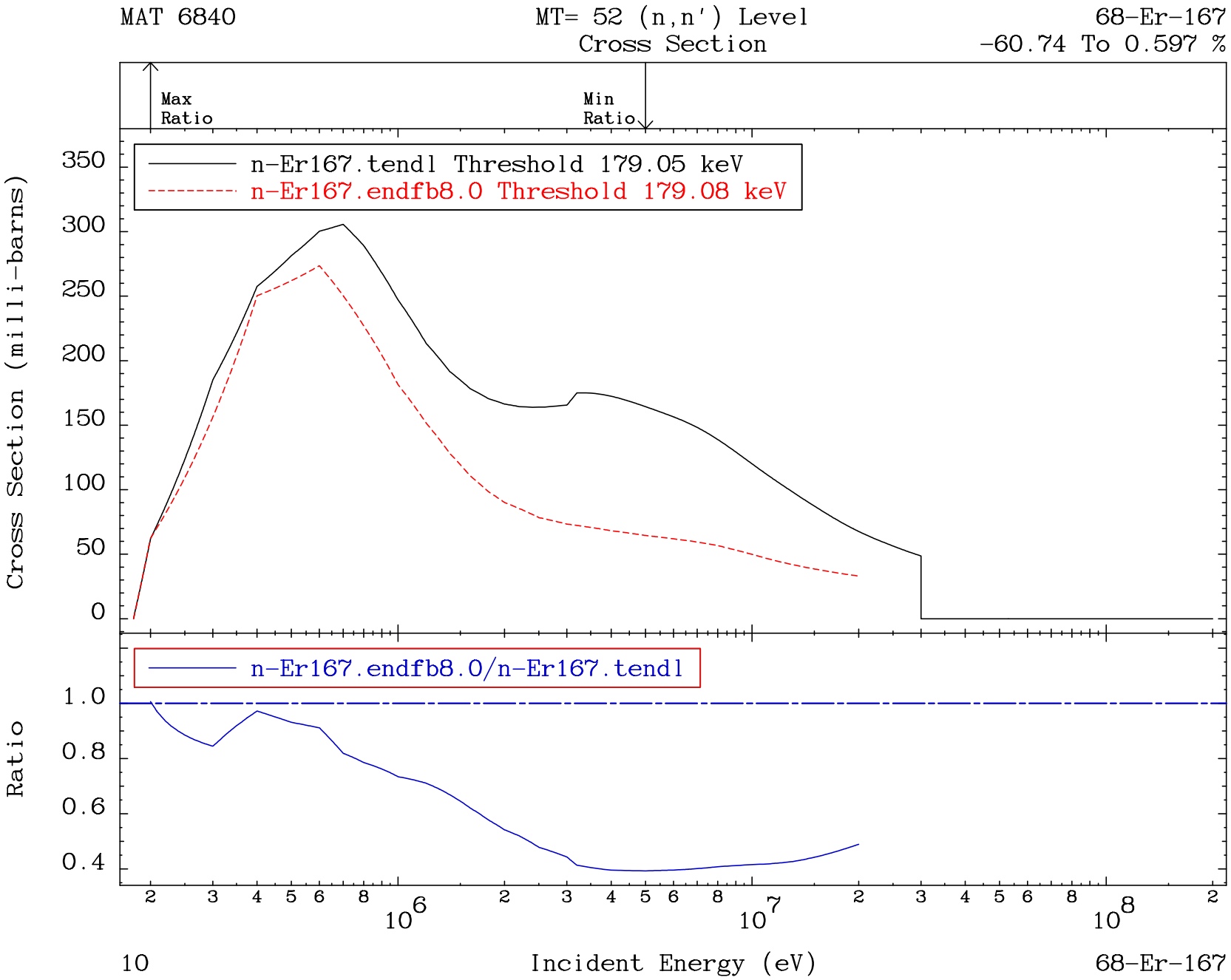

MAT 6840
(n,3n)
Cross Section
68-Er-167
-64.68 To -0.235%
Min Ratio
Max Ratio
n-Er167.tendl Threshold 15.002 MeV
n-Er167.endfb8.0 Threshold 15.001 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
68-Er-167

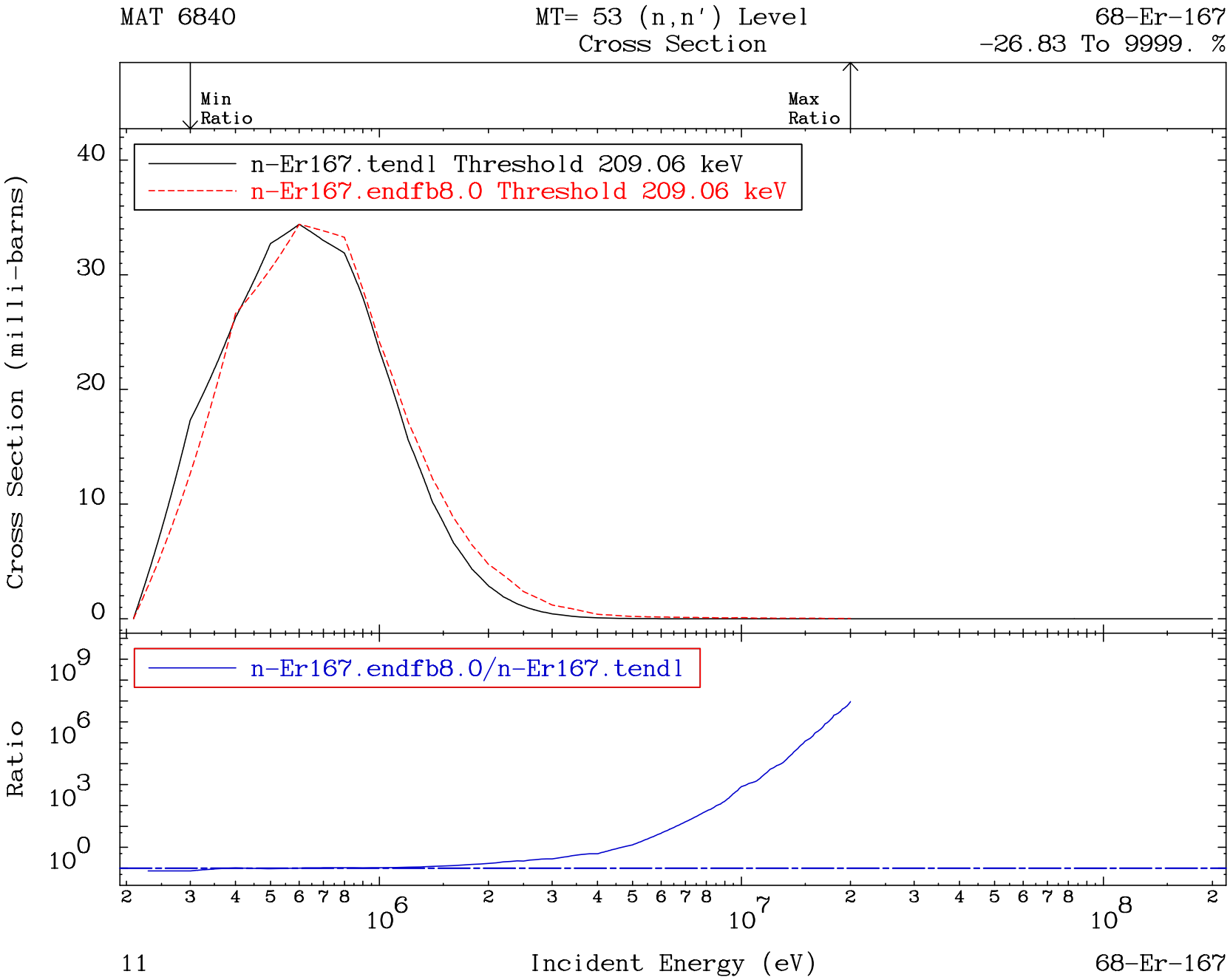

MAT 6840
(n,n') α
Cross Section
68-Er-167
-61.93 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 1.6870 keV
n-Er167.endfb8.0 Threshold 5.0000 MeV
Cross Section (milli-barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
6
68-Er-167

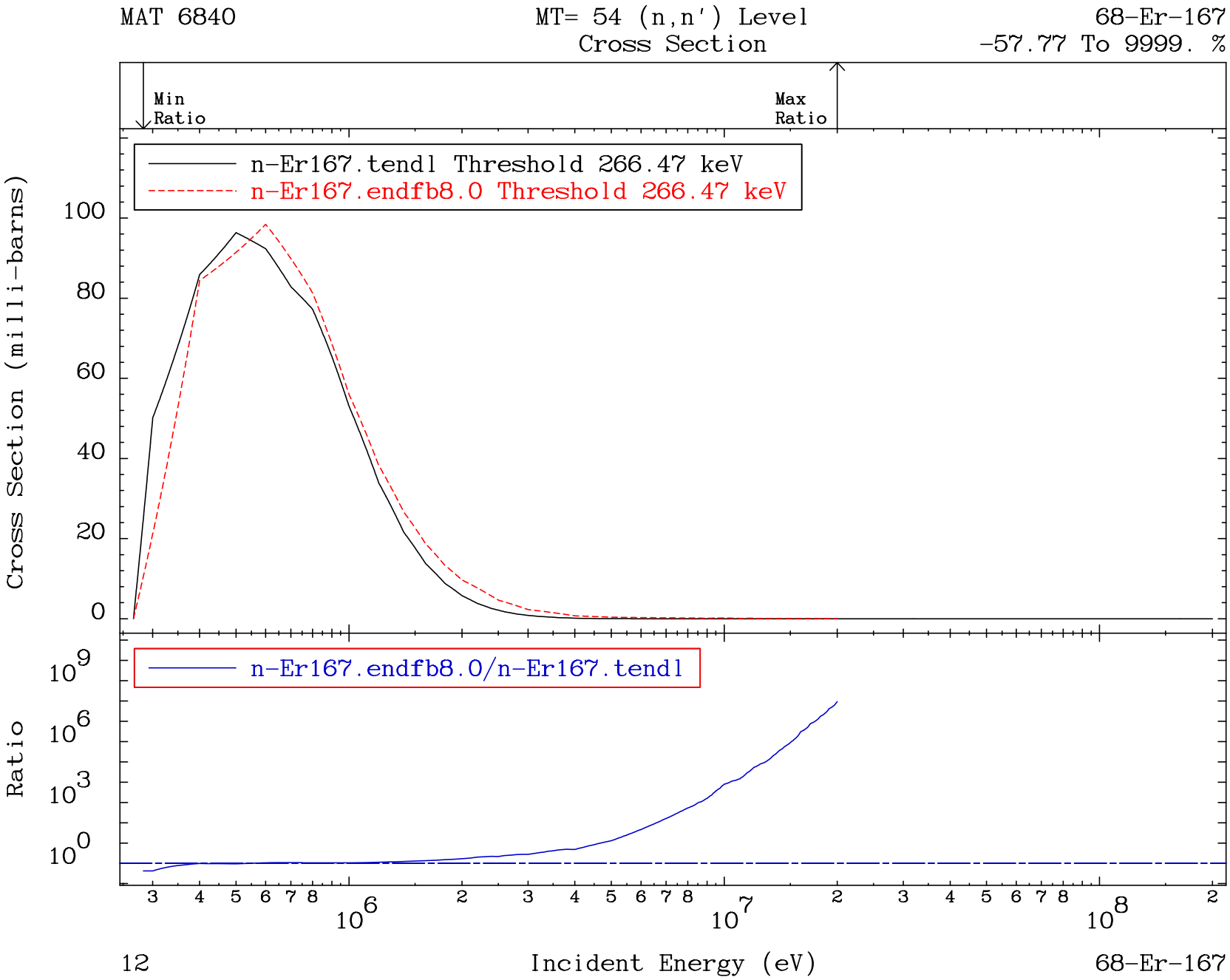

MAT 6840
(n,n') p
Cross Section
68-Er-167
70.54 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 7.5542 MeV
n-Er167.endfb8.0 Threshold 9.0000 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
4
10^2
4
10^1
4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
68-Er-167

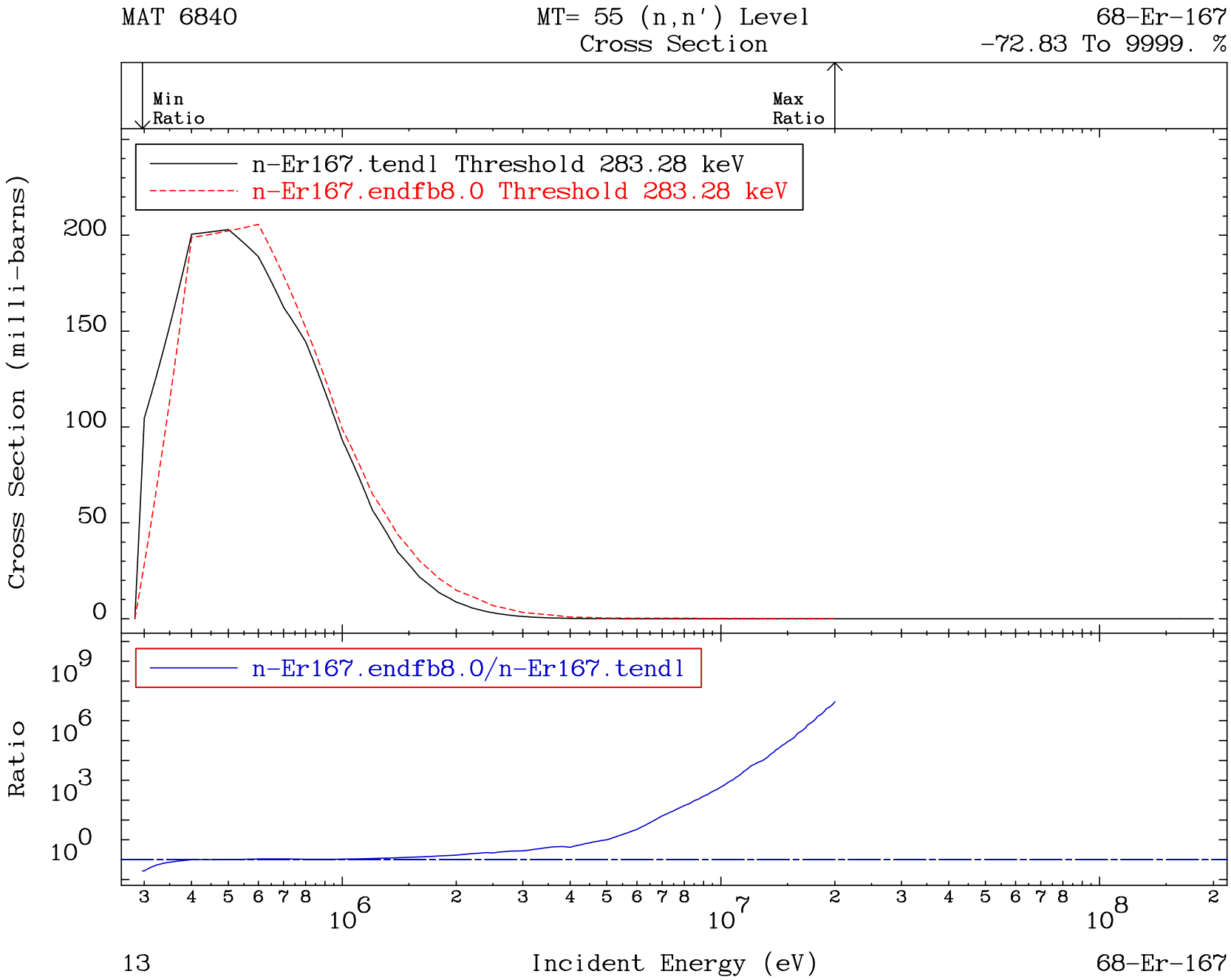

MAT 6840
(n,n') d
Cross Section
68-Er-167
759.1 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 11.598 MeV
n-Er167.endfb8.0 Threshold 13.000 MeV
Cross Section (milli-barns)
0
2
4
6
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^4
10^2
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
68-Er-167

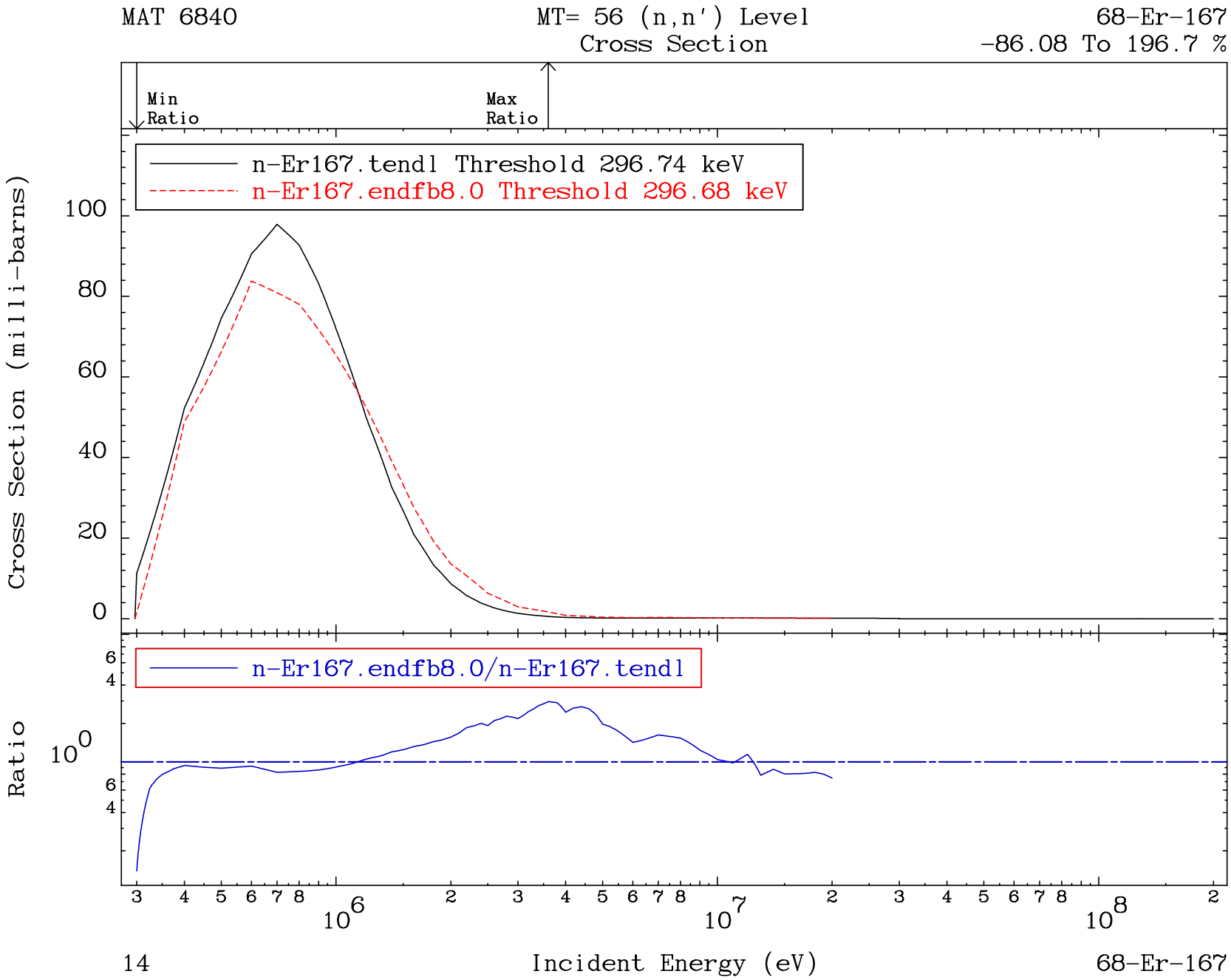

MAT 6840
MT= 51 (n,n') Level
Cross Section
68-Er-167
-79.62 To 0.190 %
Max
Ratio
Min
Ratio
n-Er167.tendl Threshold 79.801 keV
n-Er167.endfb8.0 Threshold 79.801 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
1.2
0.8
0.4
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
9
Incident Energy (eV)
68-Er-167

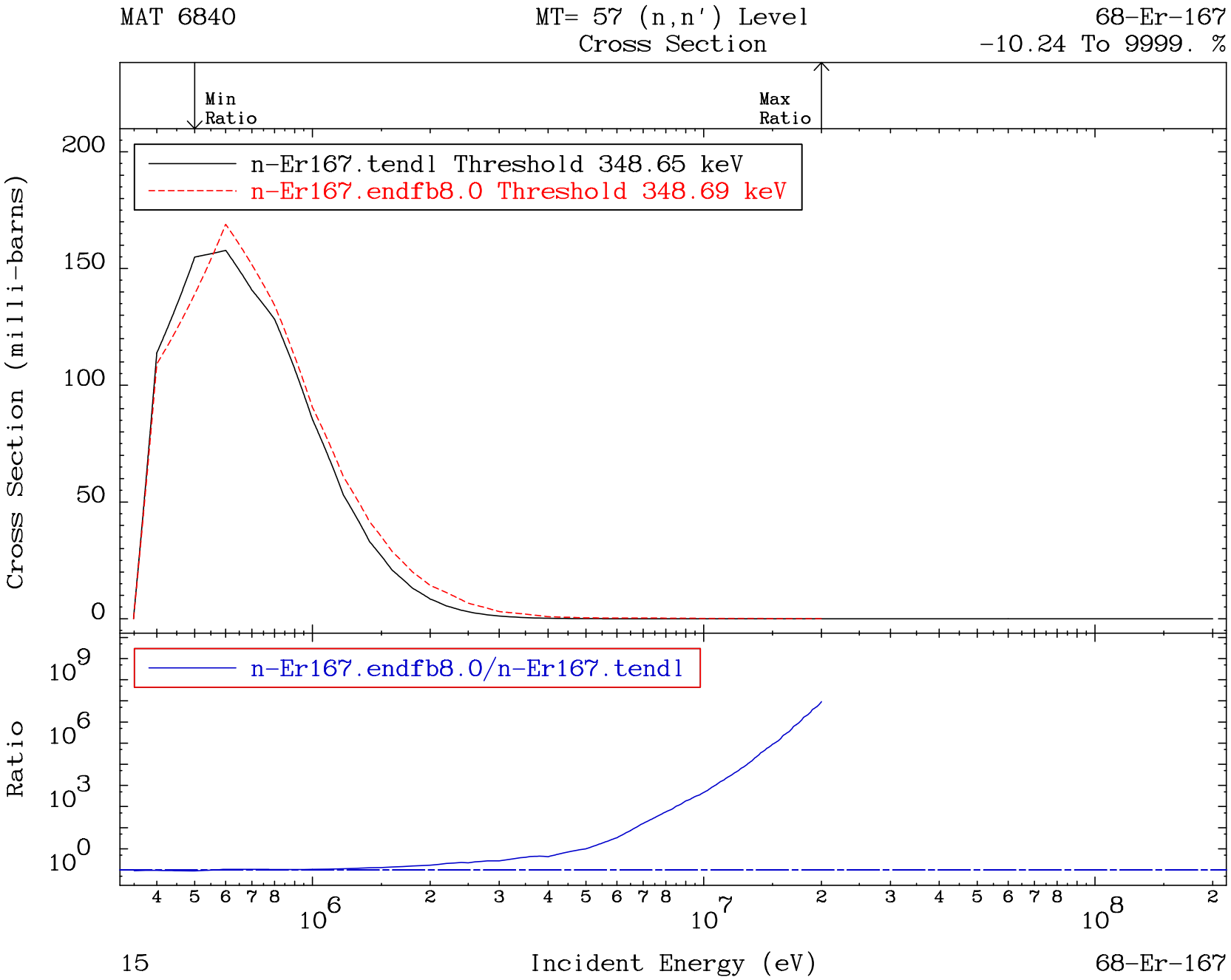

MAT 6840
MT= 52 (n,n') Level
Cross Section
68-Er-167
-60.74 To 0.597 %
Max
Ratio
Min
Ratio
n-Er167.tendl Threshold 179.05 keV
n-Er167.endfb8.0 Threshold 179.08 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
1.0
0.8
0.6
0.4
2
3
4
5
6
8
10^6
10^7
10^8
10
Incident Energy (eV)
68-Er-167

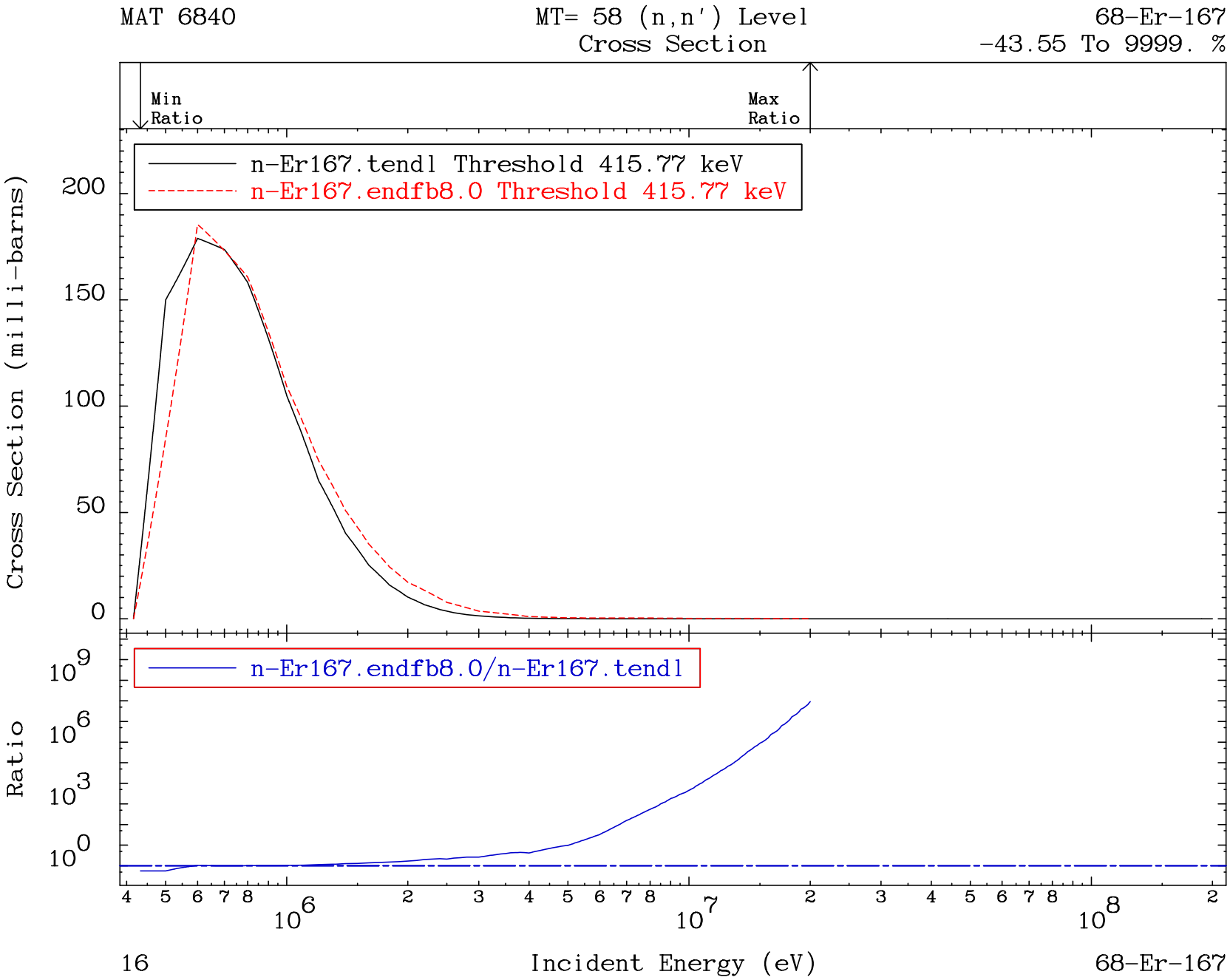

MAT 6840
MT= 53 (n,n') Level
Cross Section
68-Er-167
-26.83 To 9999. %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 209.06 keV
n-Er167.endfb8.0 Threshold 209.06 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^6
10^7
10^8
11
Incident Energy (eV)
68-Er-167

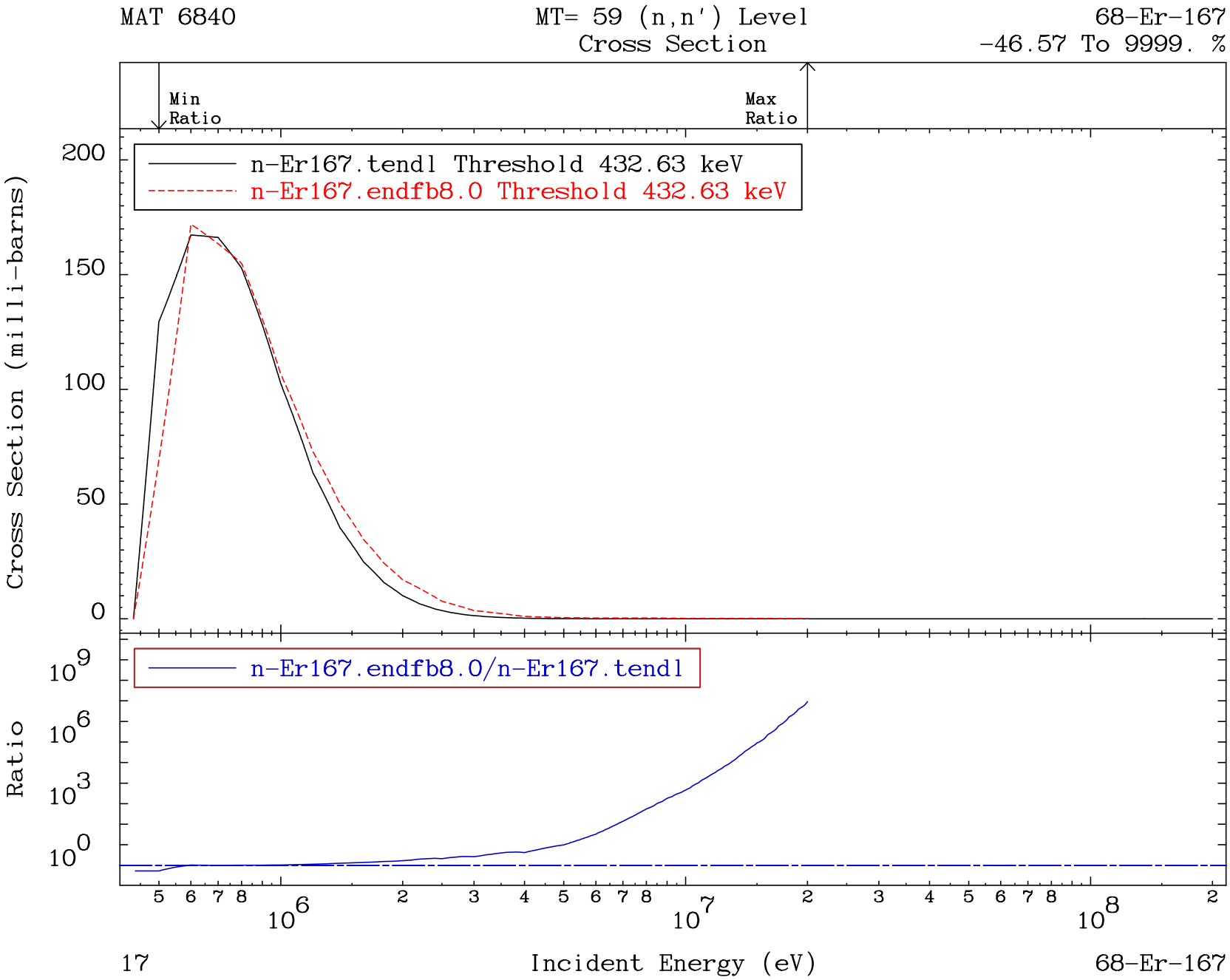

MAT 6840
MT= 54 (n,n') Level
Cross Section
68-Er-167
-57.77 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 266.47 keV
n-Er167.endfb8.0 Threshold 266.47 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
68-Er-167

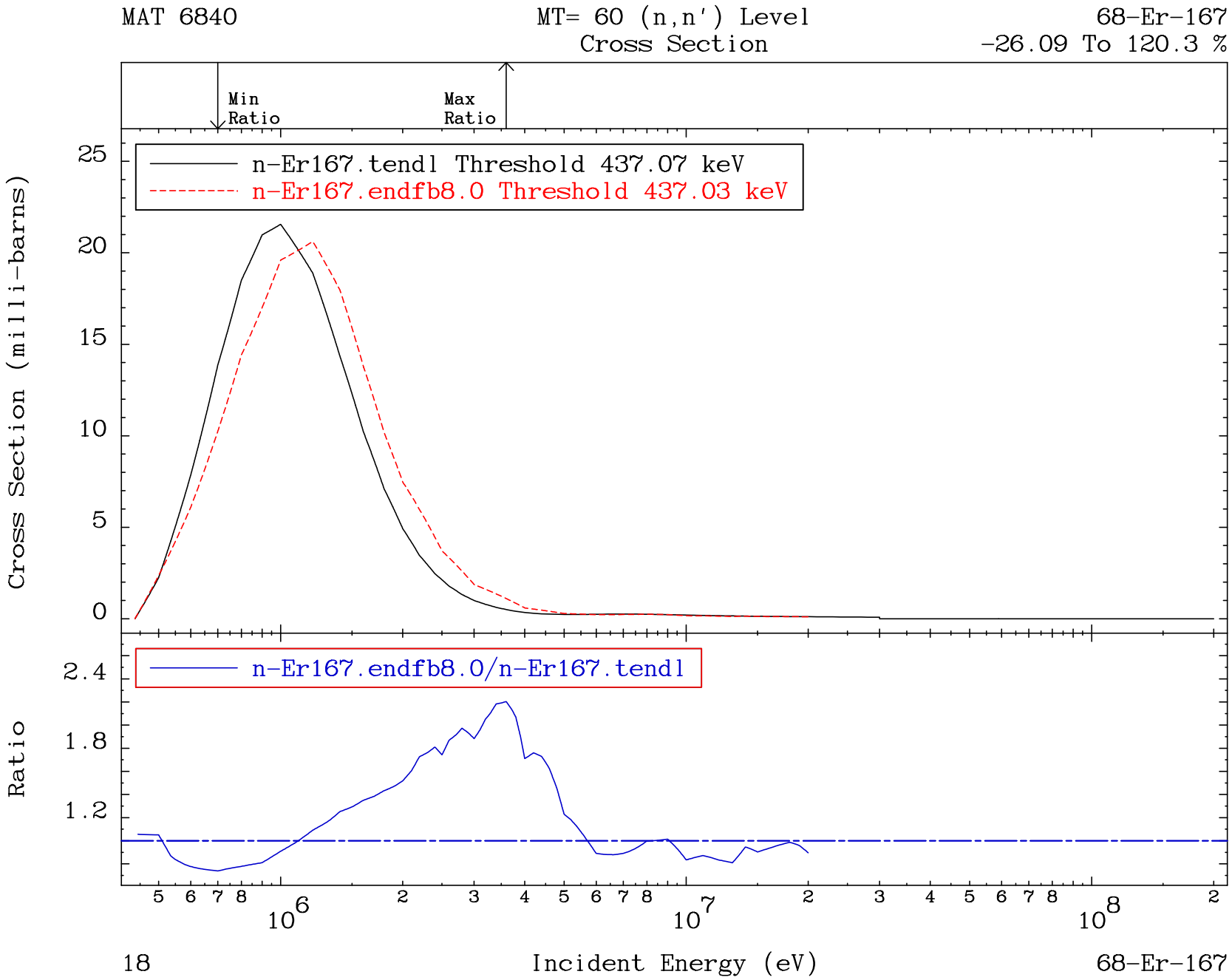

MAT 6840
MT= 55 (n,n') Level
Cross Section
68-Er-167
-72.83 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 283.28 keV
n-Er167.endfb8.0 Threshold 283.28 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
68-Er-167

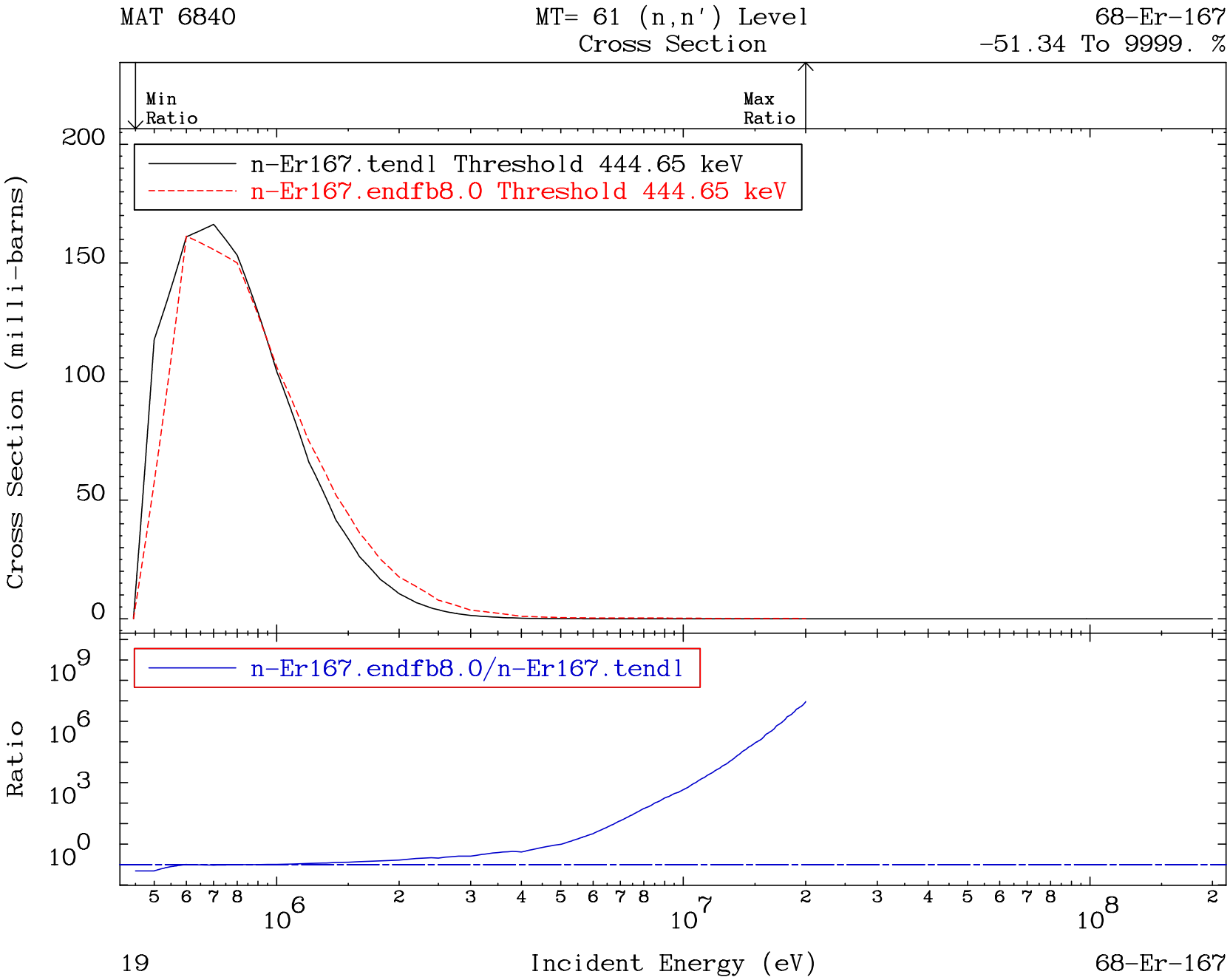

MAT 6840
MT= 56 (n,n') Level
Cross Section
68-Er-167
-86.08 To 196.7 %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 296.74 keV
n-Er167.endfb8.0 Threshold 296.68 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
6
4
10^0
6
4
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
68-Er-167

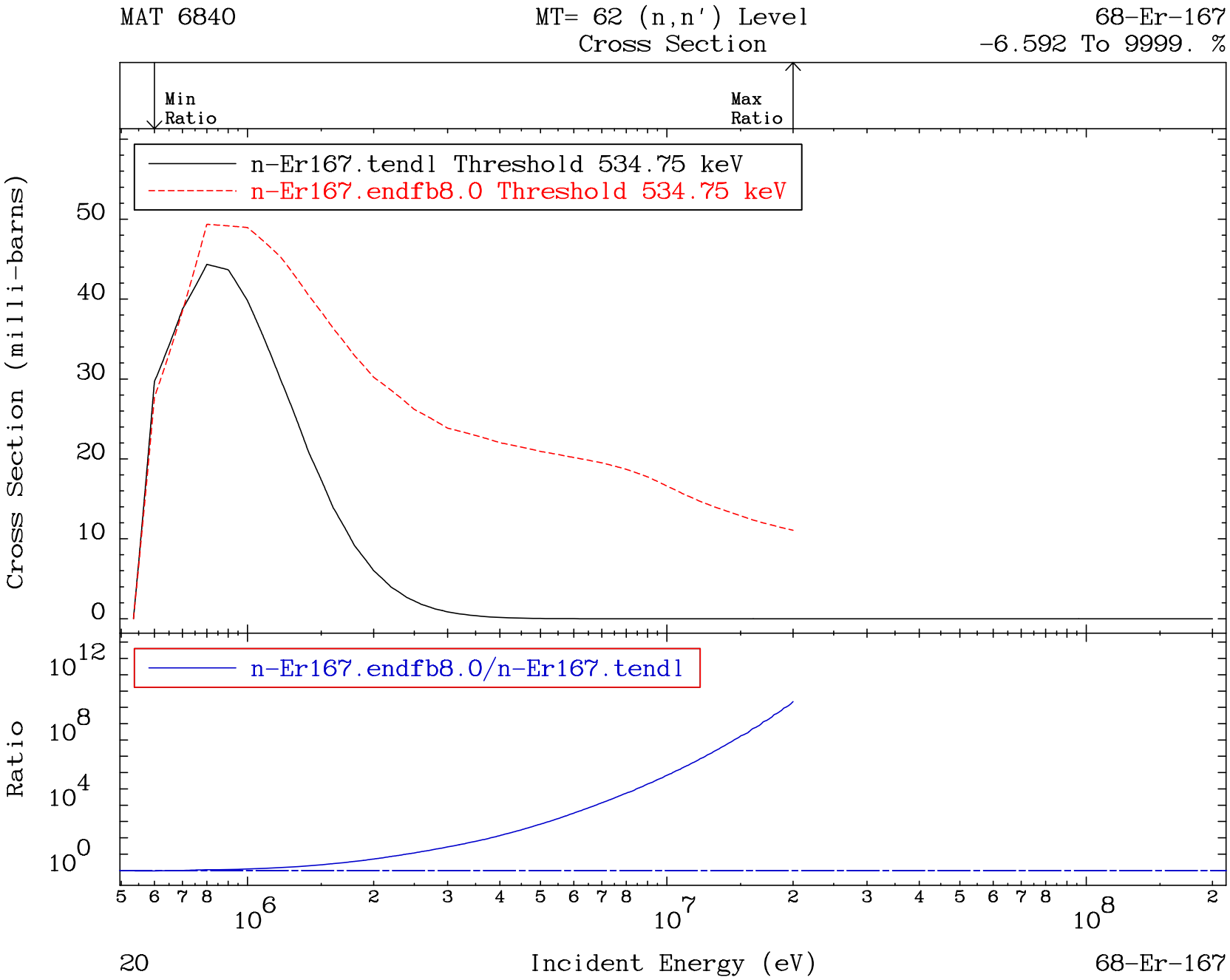

MAT 6840
MT= 57 (n,n') Level
Cross Section
68-Er-167
-10.24 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 348.65 keV
n-Er167.endfb8.0 Threshold 348.69 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
68-Er-167

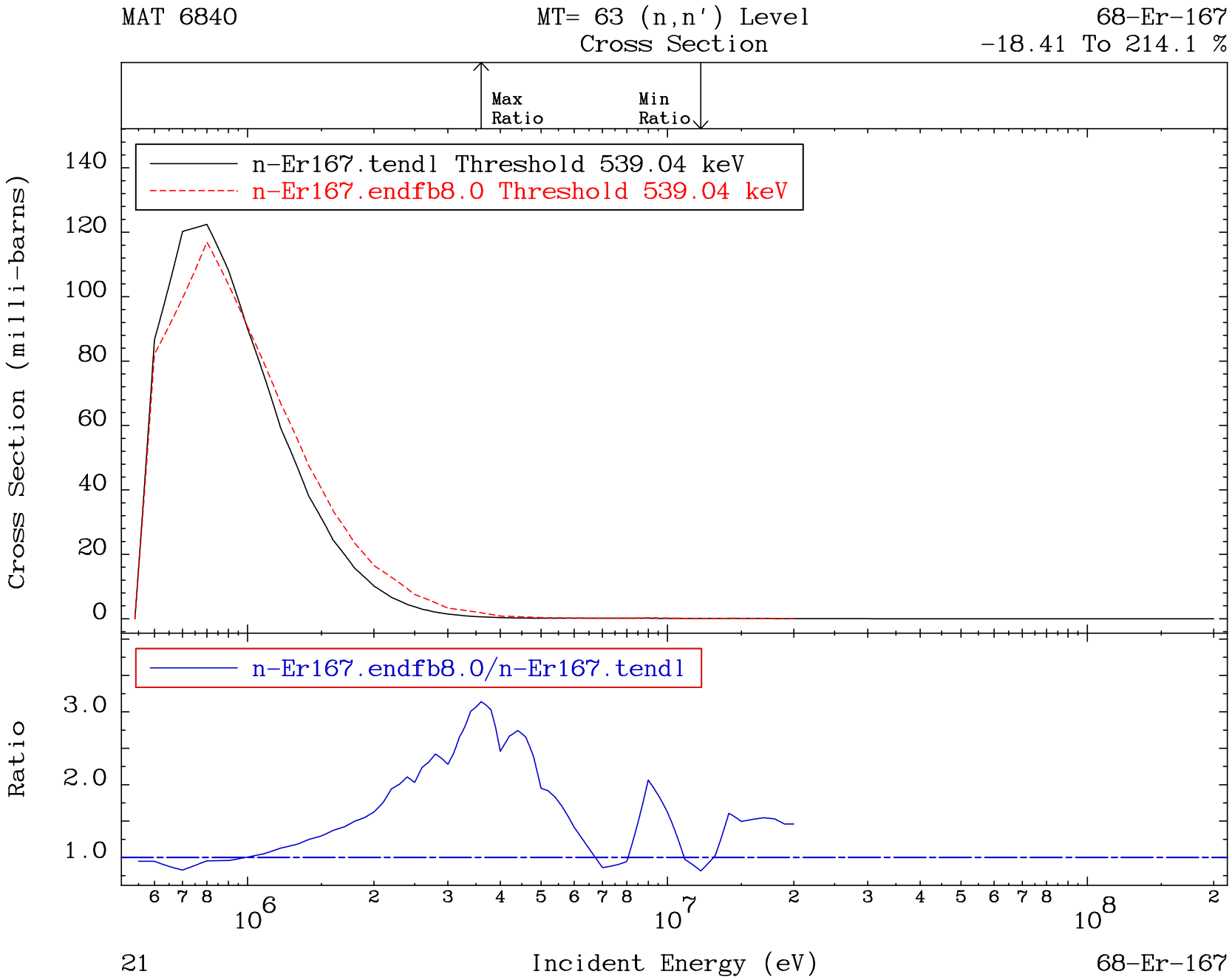

MAT 6840
MT= 58 (n,n') Level
Cross Section
68-Er-167
-43.55 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 415.77 keV
n-Er167.endfb8.0 Threshold 415.77 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
68-Er-167

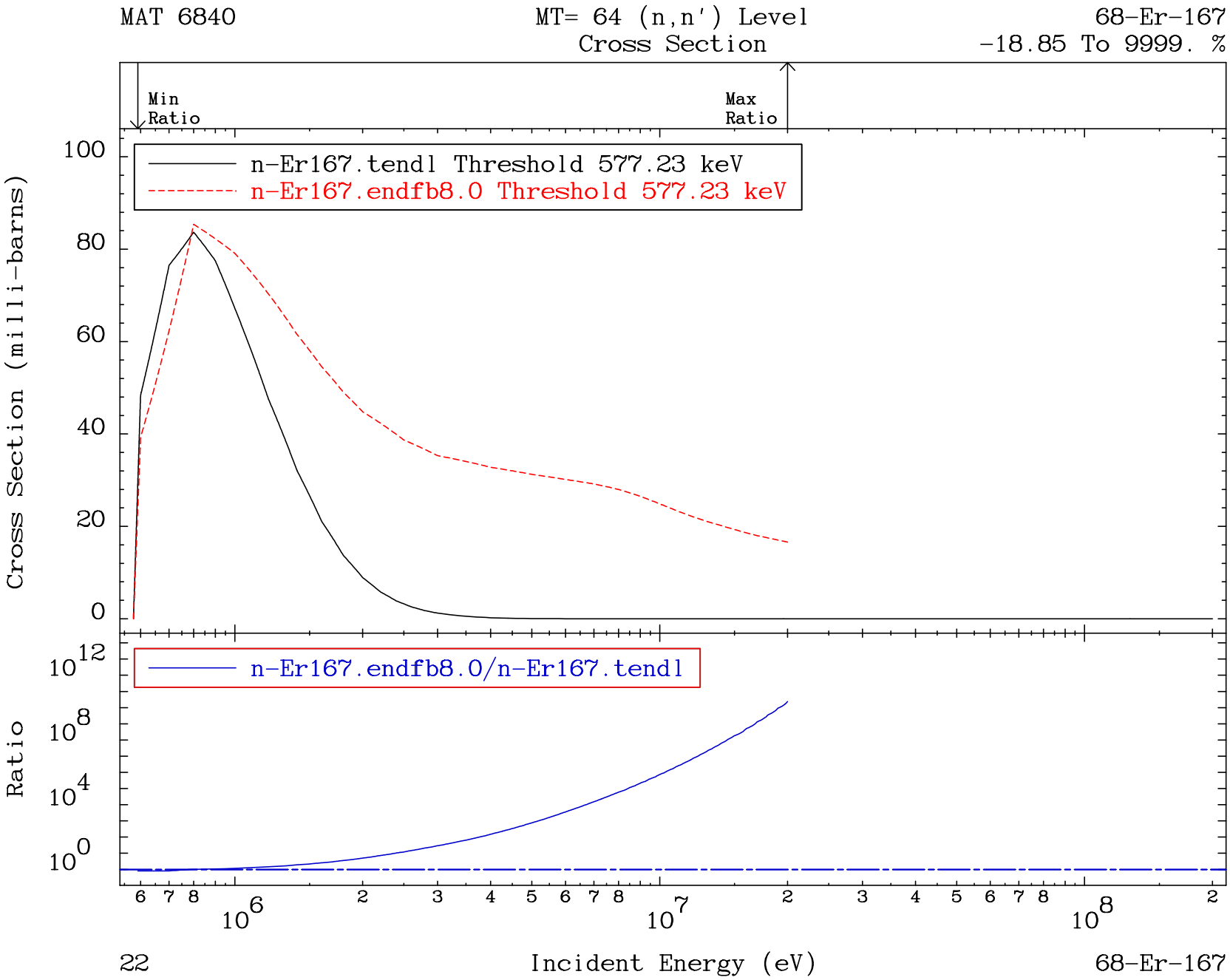

MAT 6840
MT= 59 (n,n') Level
Cross Section
68-Er-167
-46.57 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 432.63 keV
n-Er167.endfb8.0 Threshold 432.63 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
68-Er-167

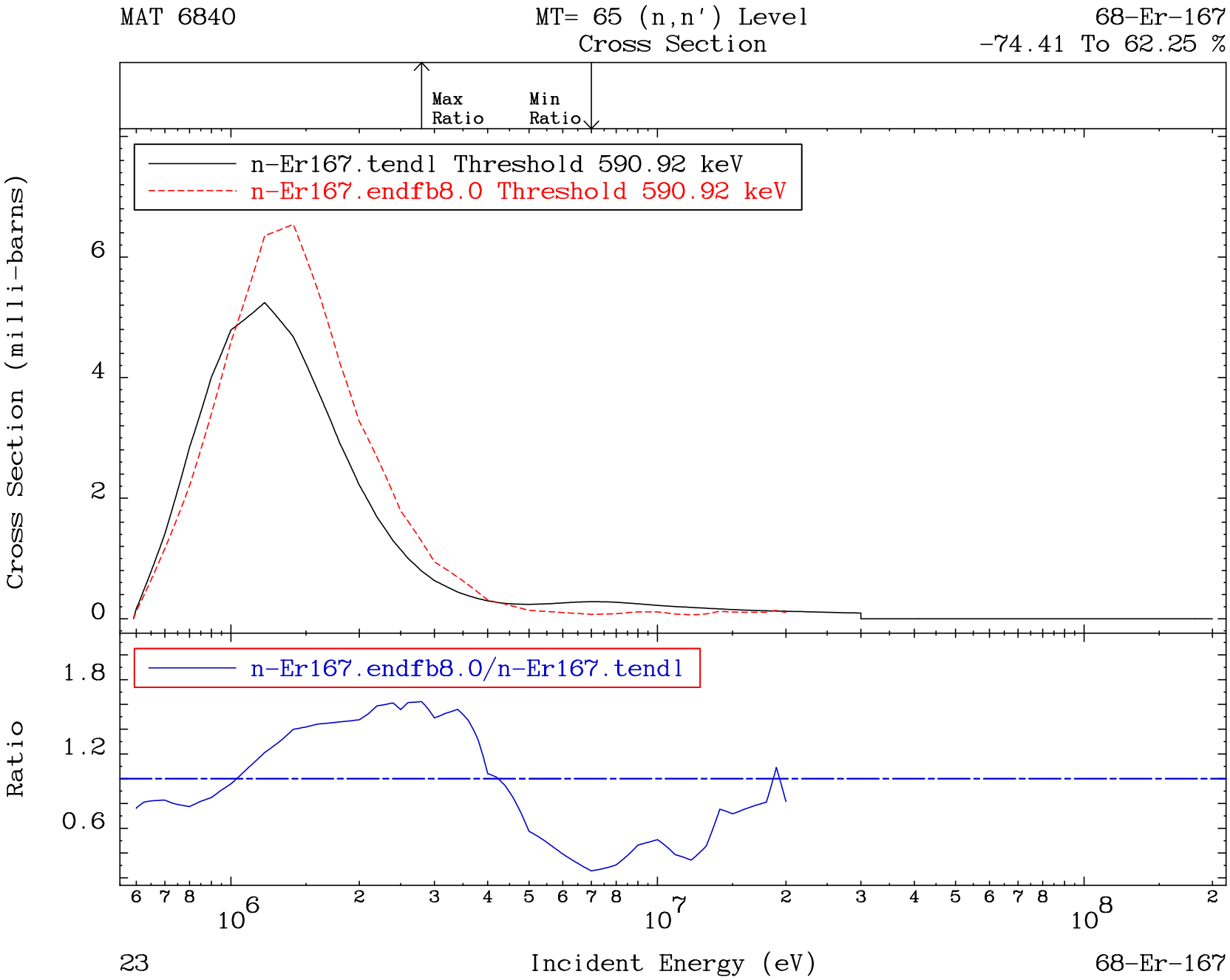

MAT 6840
MT= 60 (n,n') Level
Cross Section
68-Er-167
-26.09 To 120.3 %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 437.07 keV
n-Er167.endfb8.0 Threshold 437.03 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
2.4
1.8
1.2
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
68-Er-167

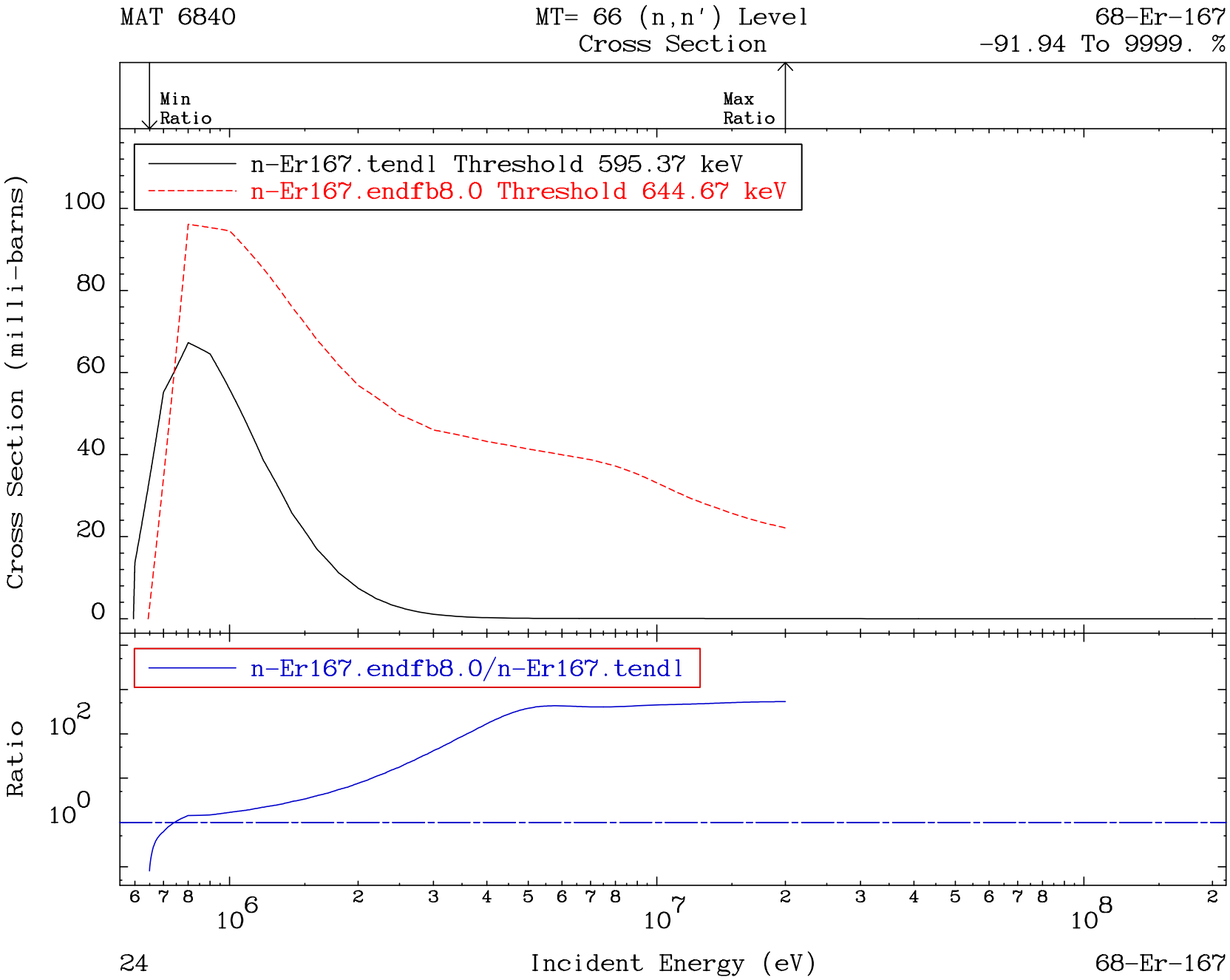

MAT 6840
MT= 61 (n,n') Level
Cross Section
68-Er-167
-51.34 To 9999. %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 444.65 keV
n-Er167.endfb8.0 Threshold 444.65 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
68-Er-167

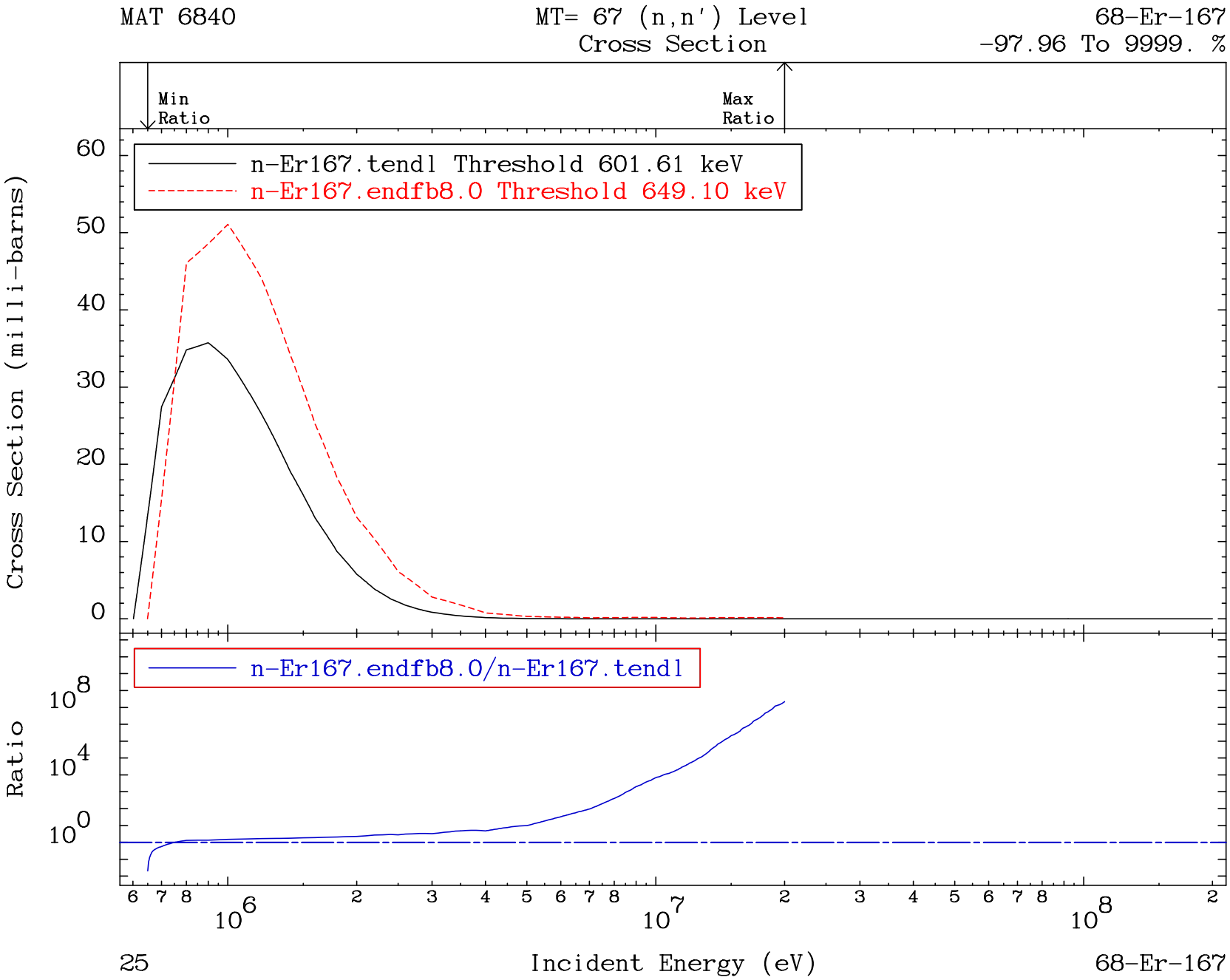

MAT 6840
MT= 62 (n,n') Level
Cross Section
68-Er-167
-6.592 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 534.75 keV
n-Er167.endfb8.0 Threshold 534.75 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^12
10^8
10^4
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
68-Er-167

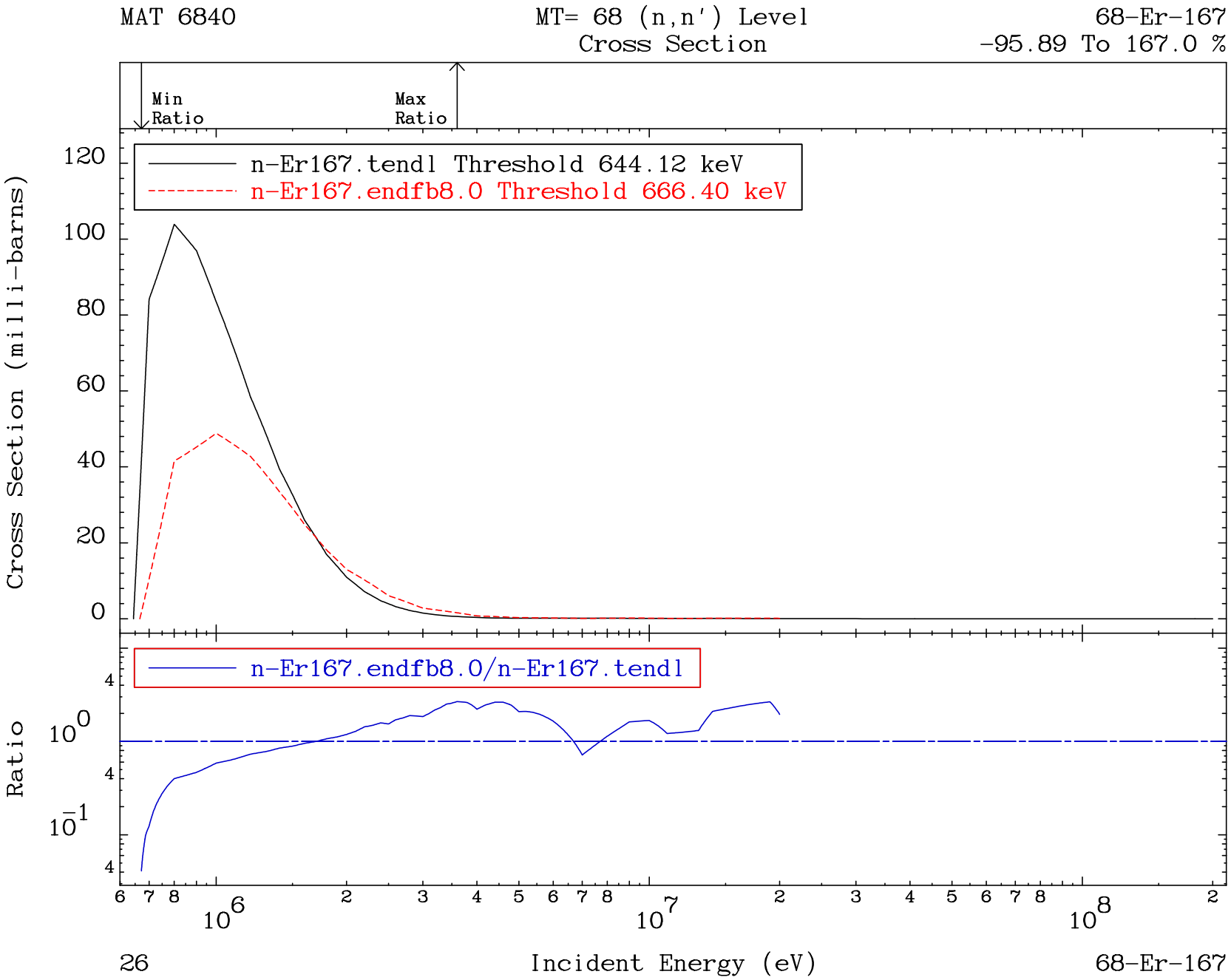

MAT 6840
MT= 63 (n,n') Level
Cross Section
68-Er-167
-18.41 To 214.1 %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 539.04 keV
n-Er167.endfb8.0 Threshold 539.04 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
3.0
2.0
1.0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
68-Er-167

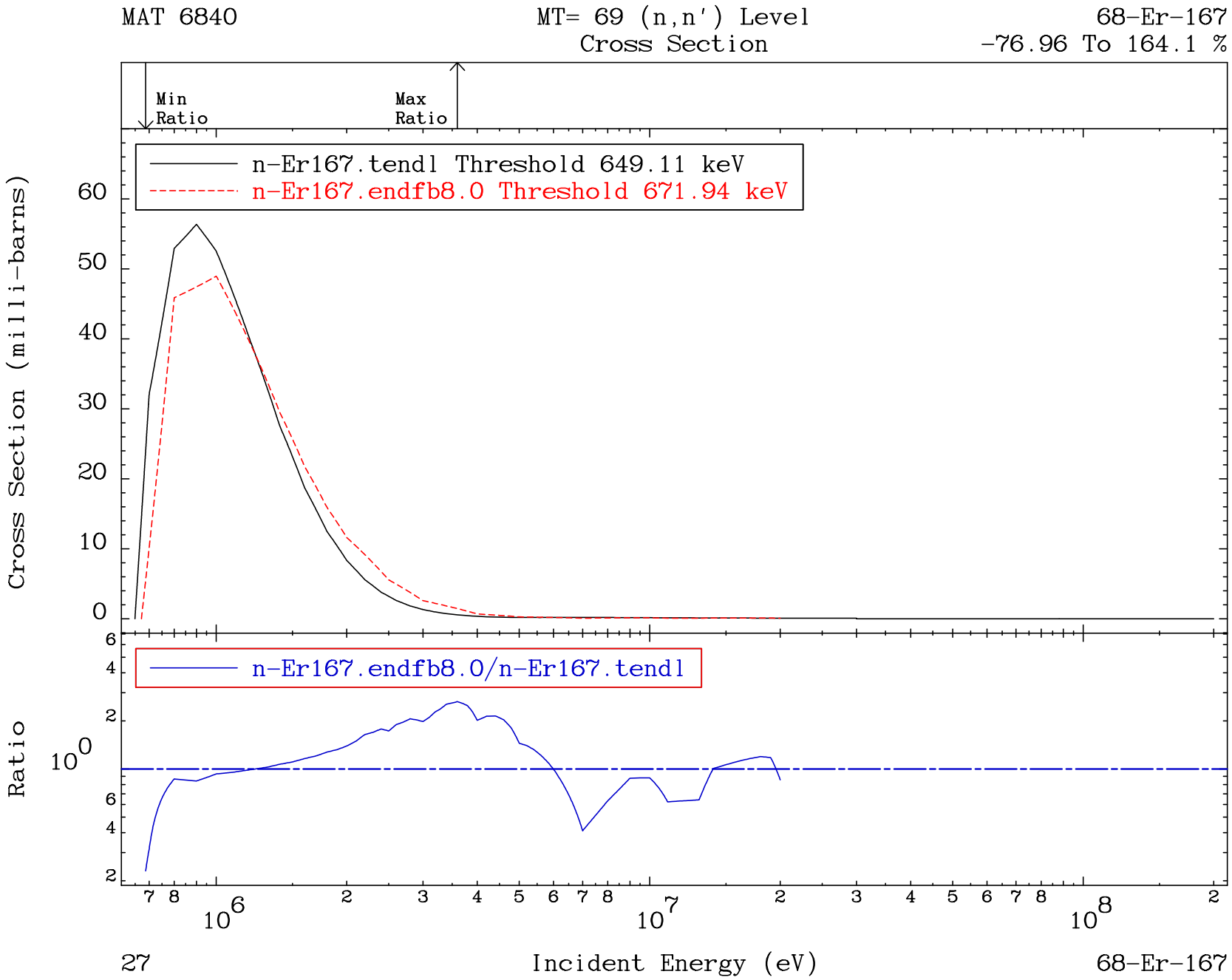

MAT 6840
MT= 64 (n,n') Level
Cross Section
68-Er-167
-18.85 To 9999. %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 577.23 keV
n-Er167.endfb8.0 Threshold 577.23 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^12
10^8
10^4
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
68-Er-167

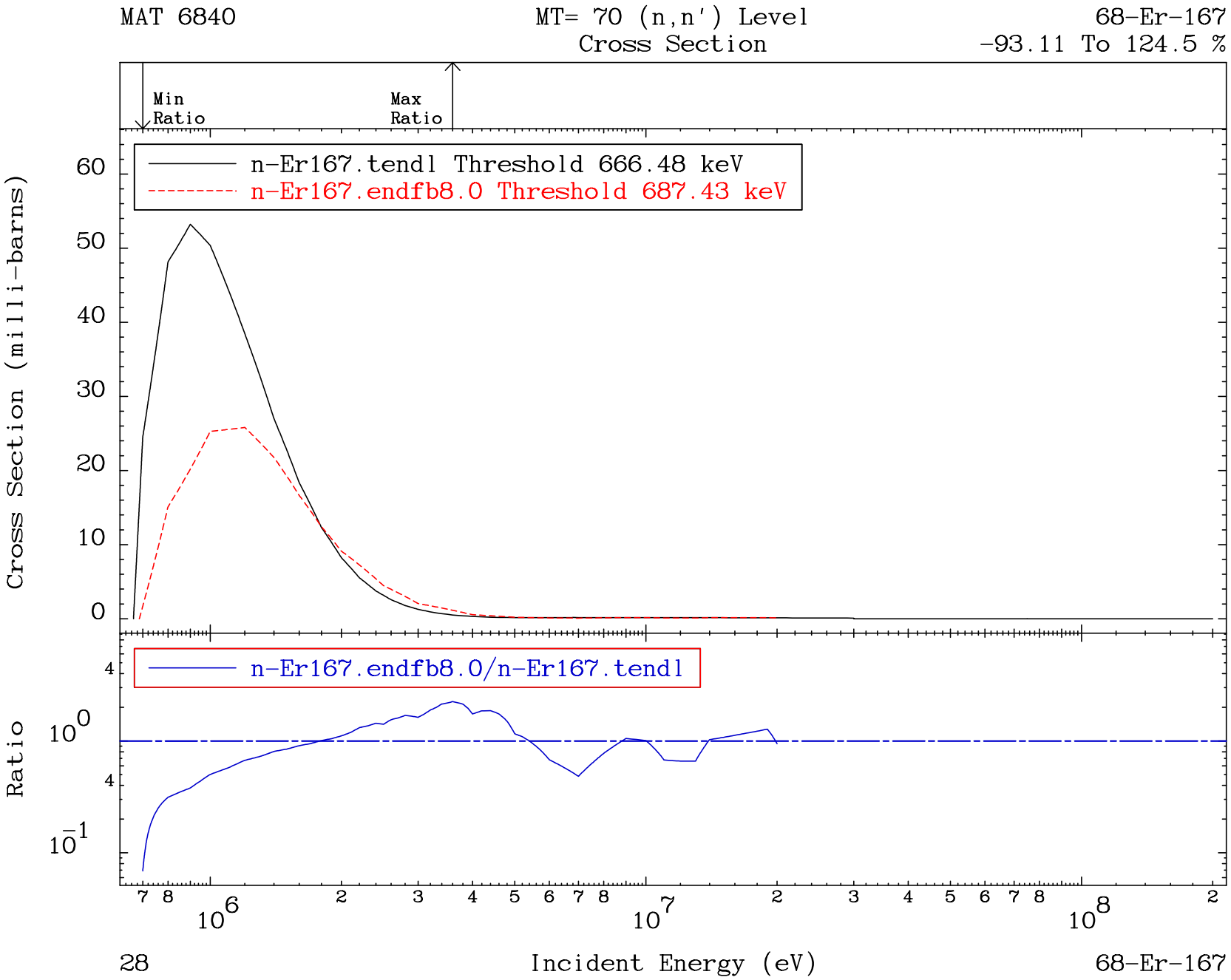

MAT 6840
MT= 65 (n,n') Level
Cross Section
68-Er-167
-74.41 To 62.25 %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 590.92 keV
n-Er167.endfb8.0 Threshold 590.92 keV
Cross Section (milli-barns)
0
2
4
6
n-Er167.endfb8.0/n-Er167.tendl
Ratio
0.6
1.2
1.8
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
68-Er-167

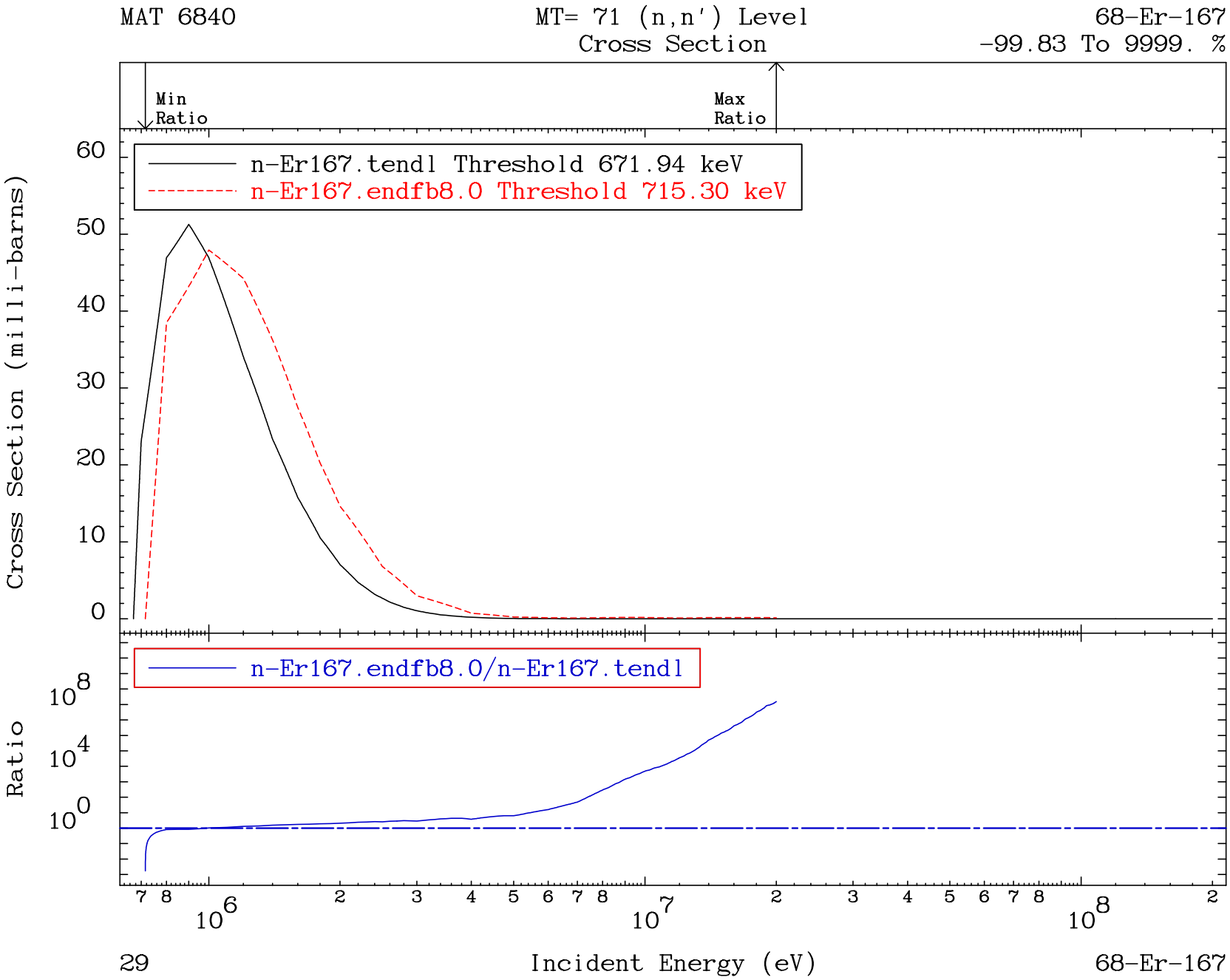

MAT 6840
MT= 66 (n,n') Level
Cross Section
68-Er-167
-91.94 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 595.37 keV
n-Er167.endfb8.0 Threshold 644.67 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^2
10^0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
68-Er-167

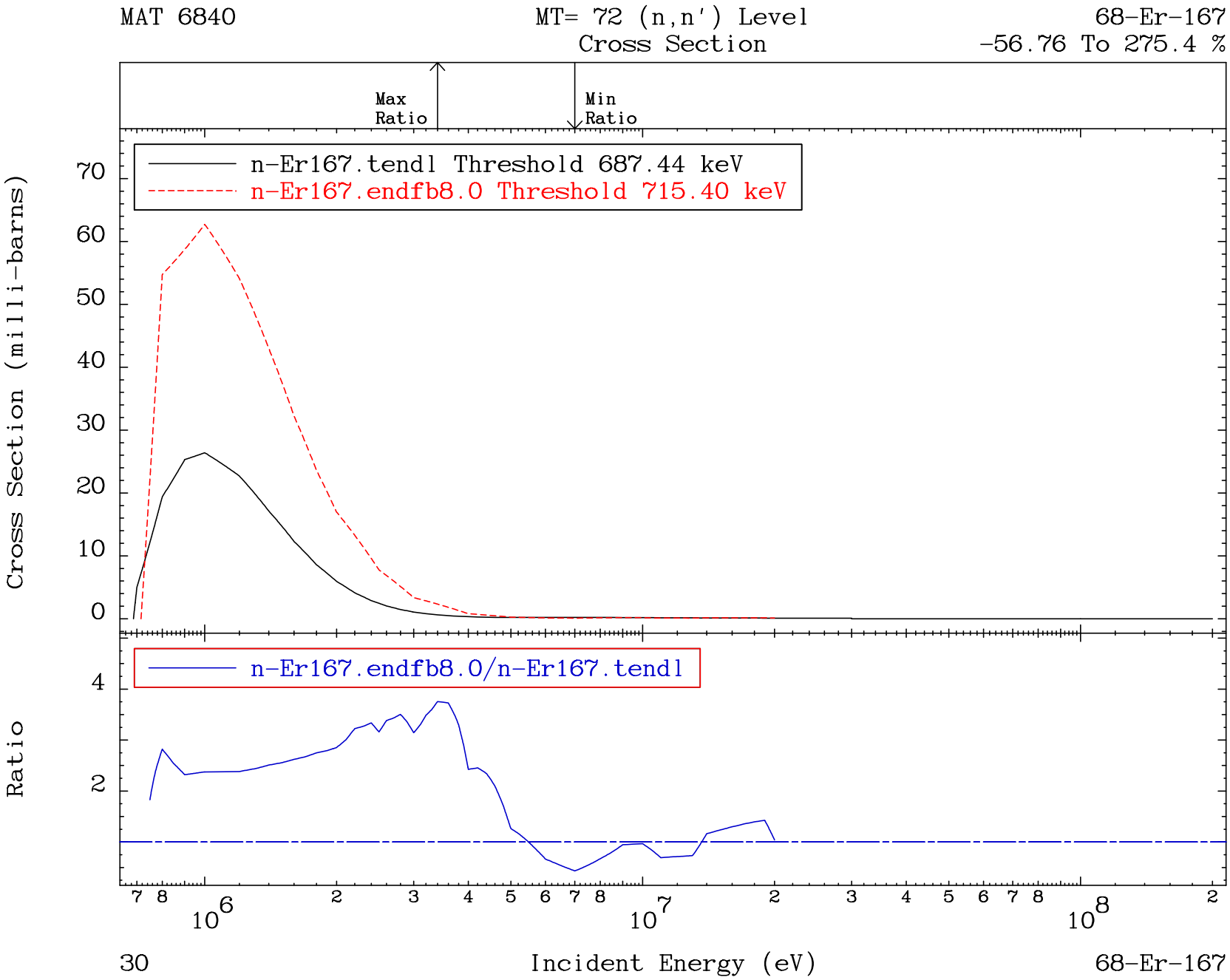

MAT 6840
MT= 67 (n,n') Level
Cross Section
68-Er-167
-97.96 To 9999. %
Min
Ratio
Max
Ratio
n-Er167.tendl Threshold 601.61 keV
n-Er167.endfb8.0 Threshold 649.10 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^8
10^4
10^0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
68-Er-167

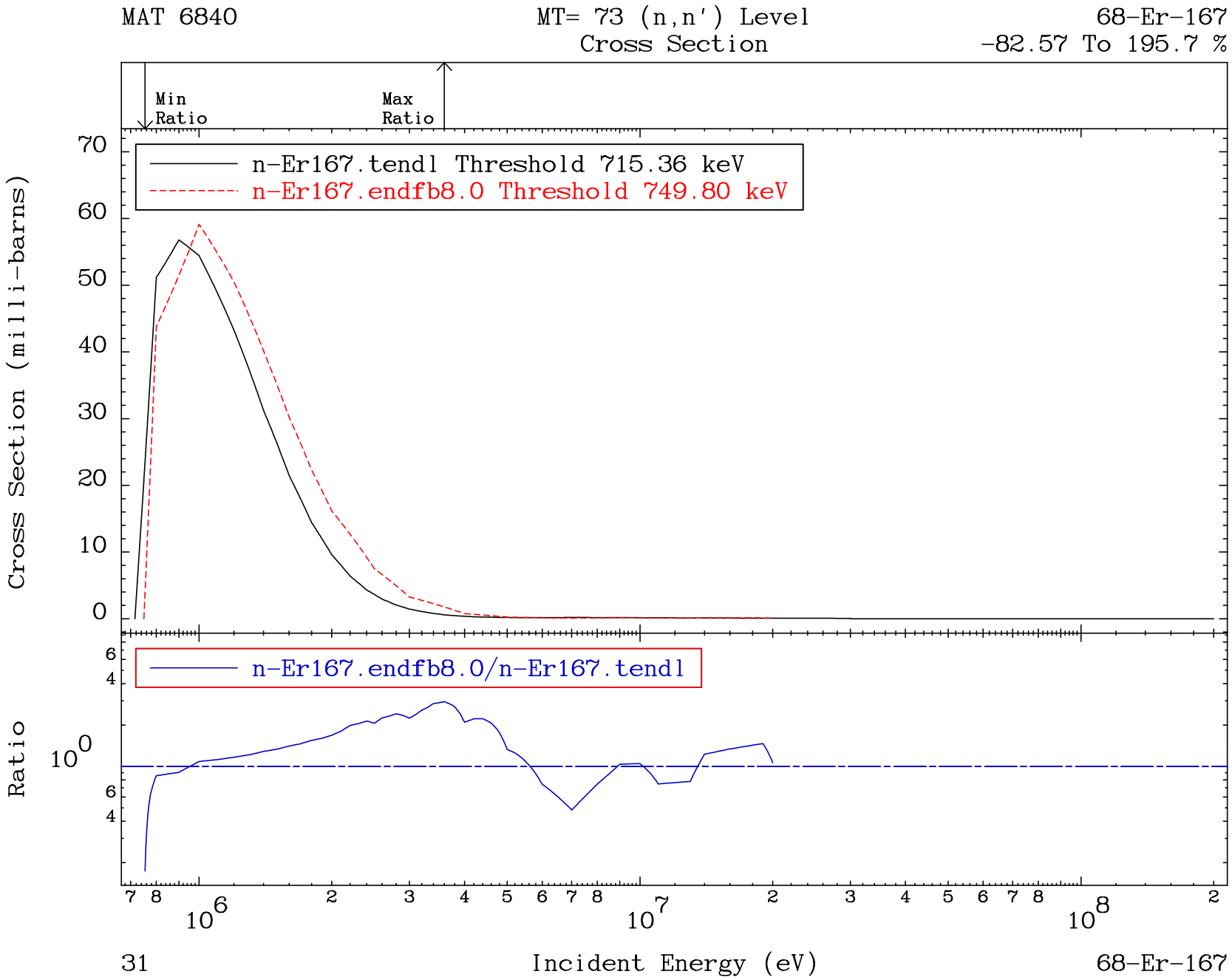

MAT 6840
MT= 68 (n,n') Level
Cross Section
68-Er-167
-95.89 To 167.0 %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 644.12 keV
n-Er167.endfb8.0 Threshold 666.40 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
4
$10^{0}$
4
$10^{-1}$
4
6 7 8
$10^{6}$
2 3 4 5 6 7 8
$10^{7}$
2 3 4 5 6 7 8
$10^{8}$
2
26
Incident Energy (eV)
68-Er-167

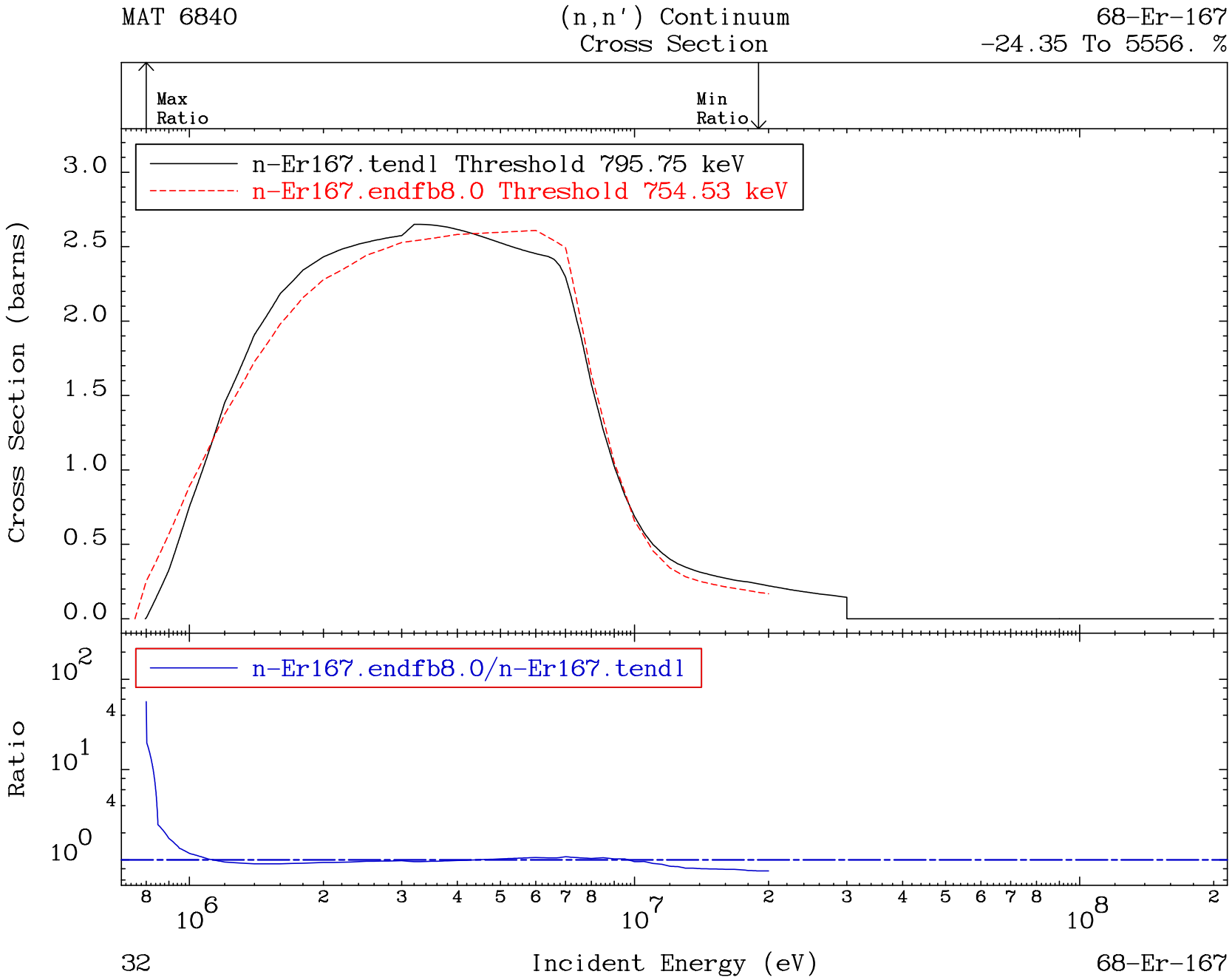

MAT 6840
MT= 69 (n,n') Level
Cross Section
68-Er-167
-76.96 To 164.1 %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 649.11 keV
n-Er167.endfb8.0 Threshold 671.94 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
6
4
2
10^0
6
4
2
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
68-Er-167

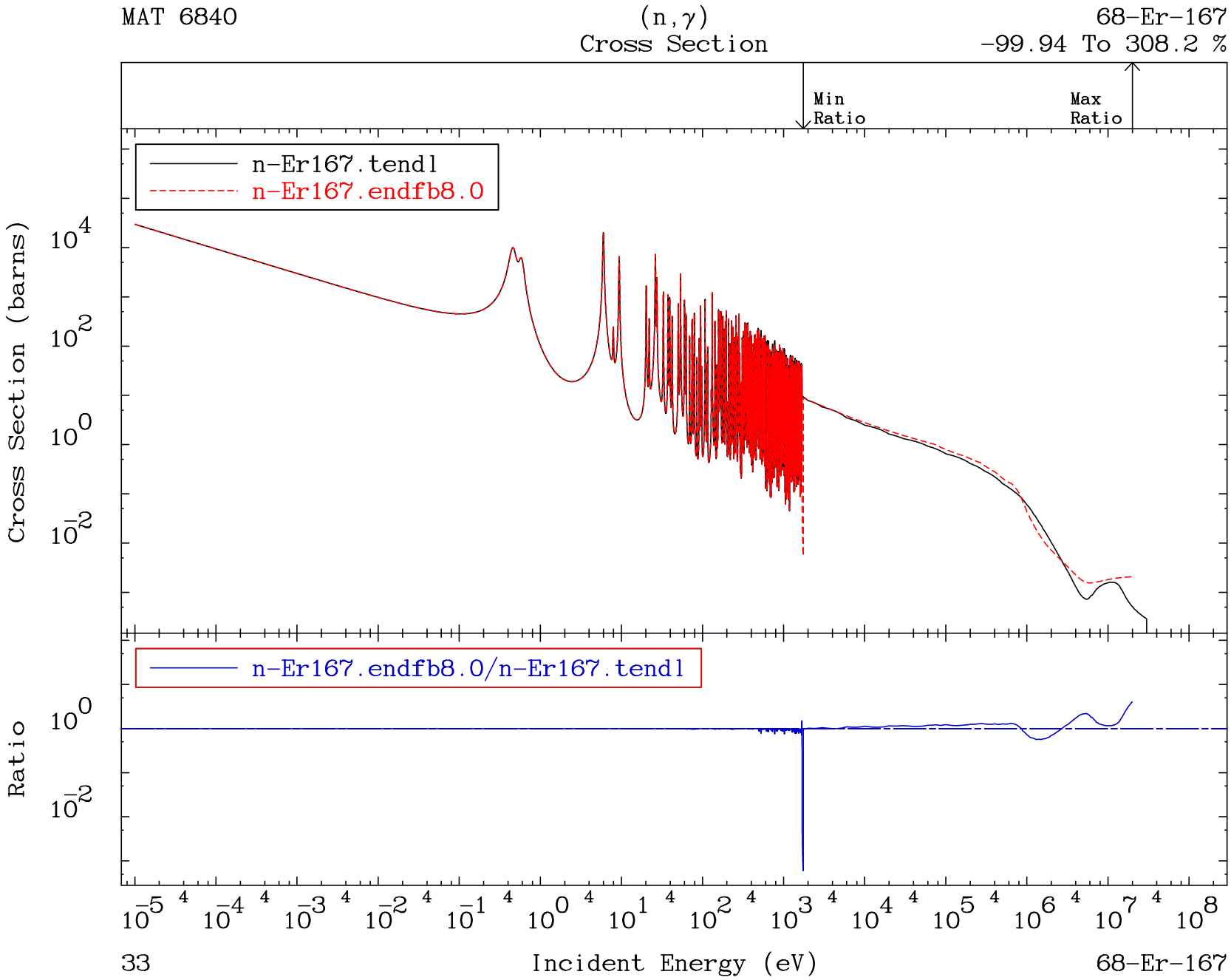

MAT 6840
MT= 70 (n,n') Level
Cross Section
68-Er-167
-93.11 To 124.5 %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 666.48 keV
n-Er167.endfb8.0 Threshold 687.43 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
4
$10^0$
4
$10^{-1}$
7 8 $10^6$ 2 3 4 5 6 7 8 $10^7$ 2 3 4 5 6 7 8 $10^8$ 2
28
Incident Energy (eV)
68-Er-167

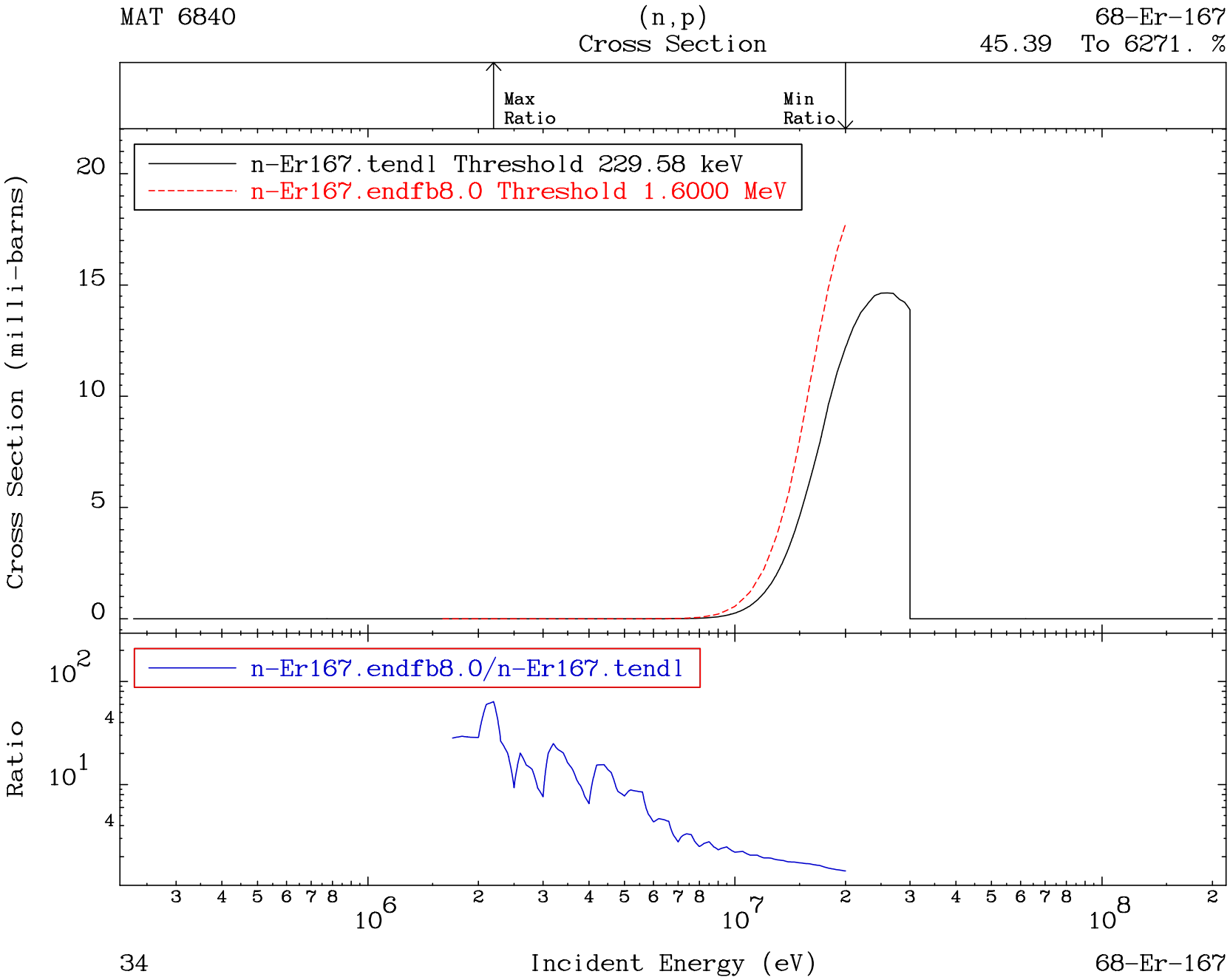

MAT 6840
MT= 71 (n,n') Level
Cross Section
68-Er-167
-99.83 To 9999. %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 671.94 keV
n-Er167.endfb8.0 Threshold 715.30 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^8
10^4
10^0
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
68-Er-167

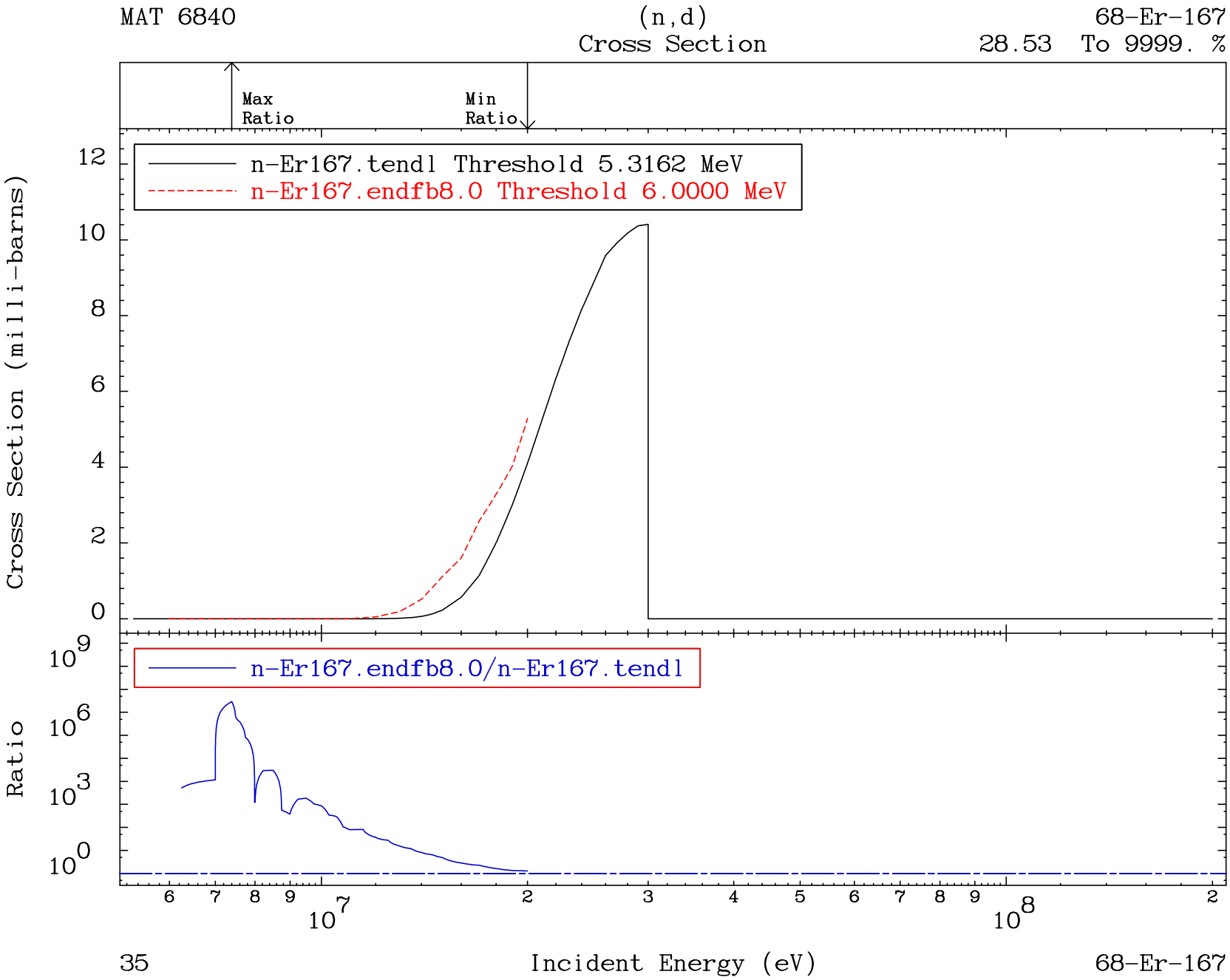

MAT 6840
MT= 72 (n,n') Level
Cross Section
68-Er-167
-56.76 To 275.4 %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 687.44 keV
n-Er167.endfb8.0 Threshold 715.40 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
4
2
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
68-Er-167

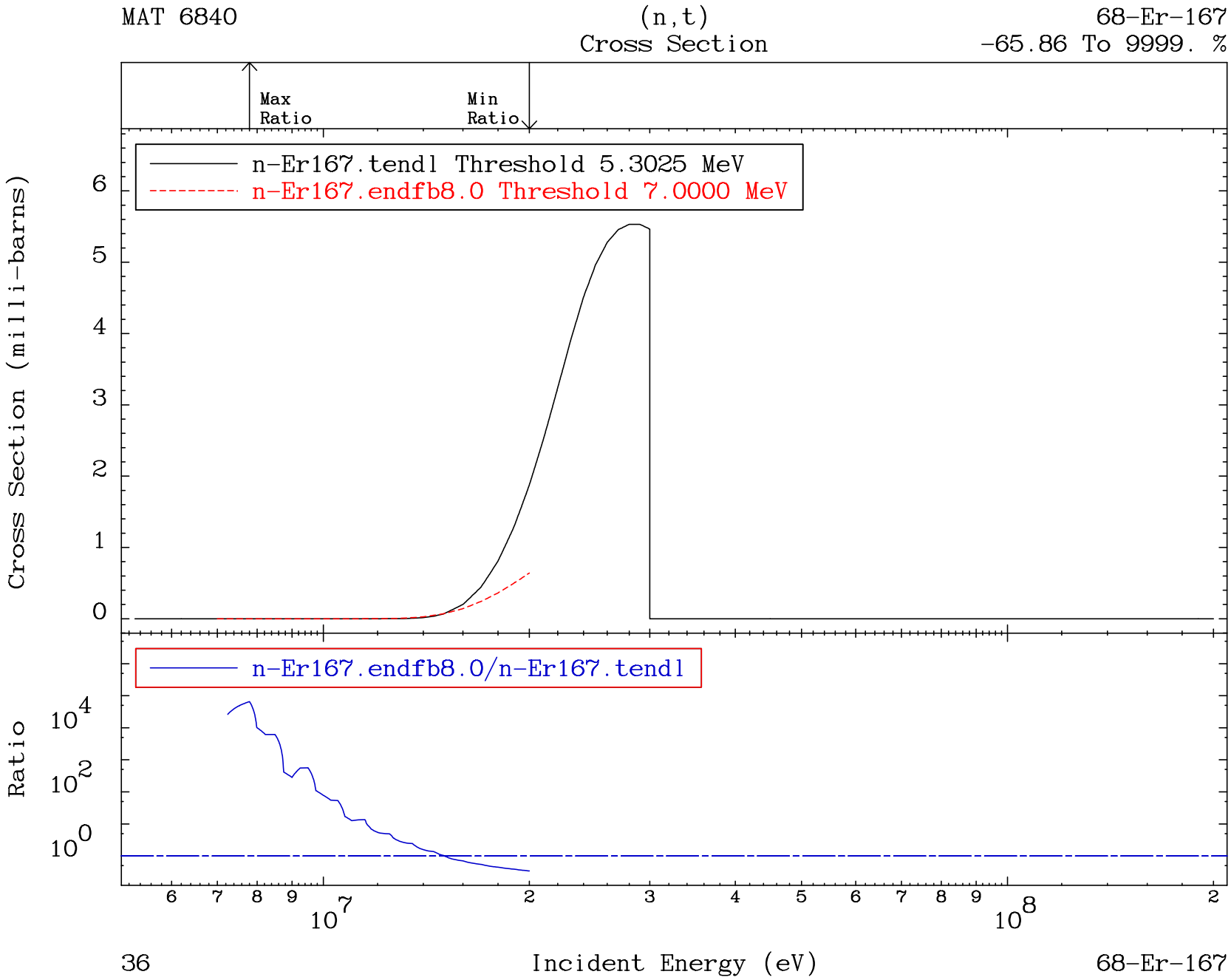

MAT 6840
MT= 73 (n,n') Level
Cross Section
68-Er-167
-82.57 To 195.7 %
Min Ratio
Max Ratio
n-Er167.tendl Threshold 715.36 keV
n-Er167.endfb8.0 Threshold 749.80 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
6
4
10^0
6
4
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
68-Er-167

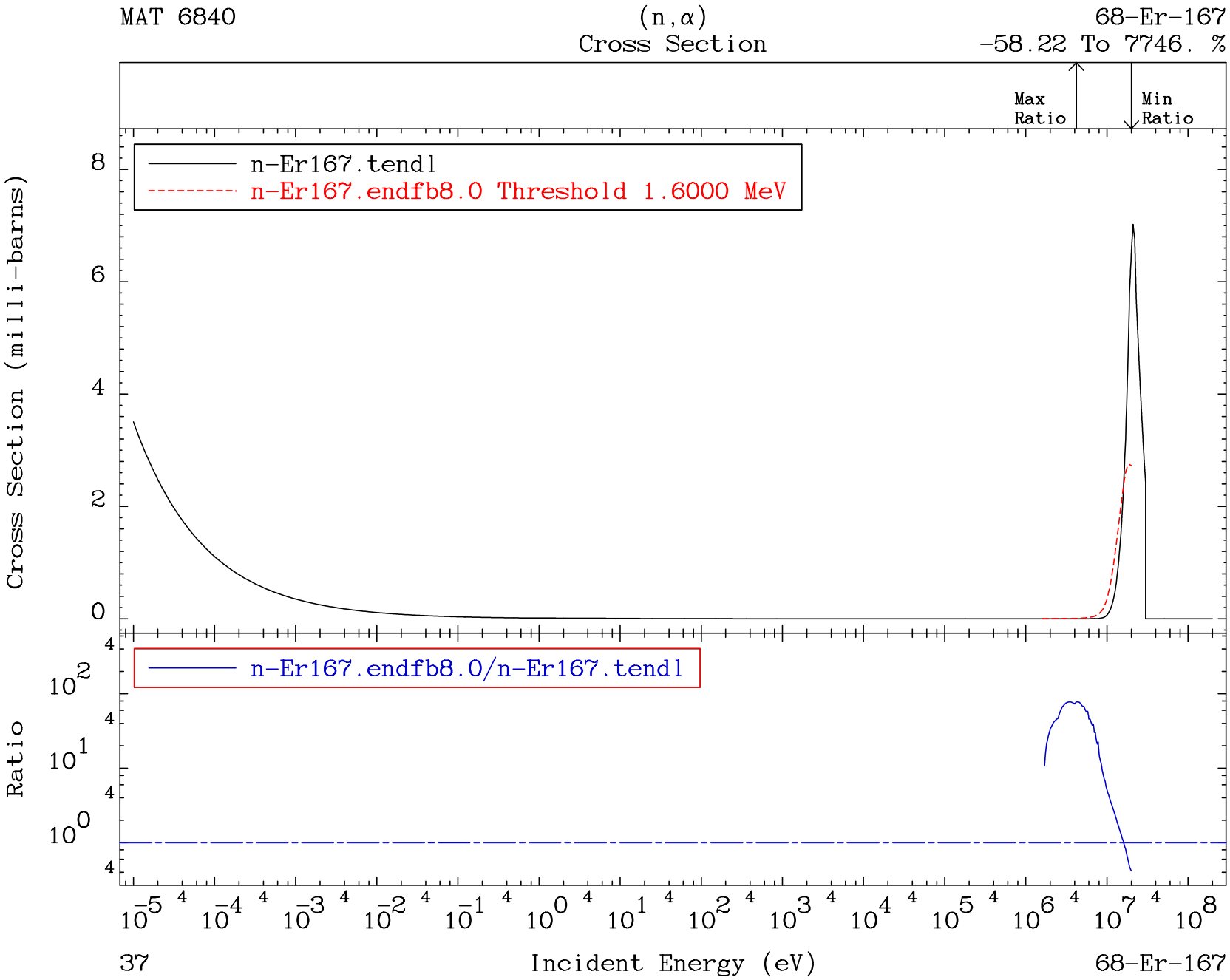

MAT 6840
(n,n') Continuum
Cross Section
68-Er-167
-24.35 To 5556. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 795.75 keV
n-Er167.endfb8.0 Threshold 754.53 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^2
10^1
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
68-Er-167

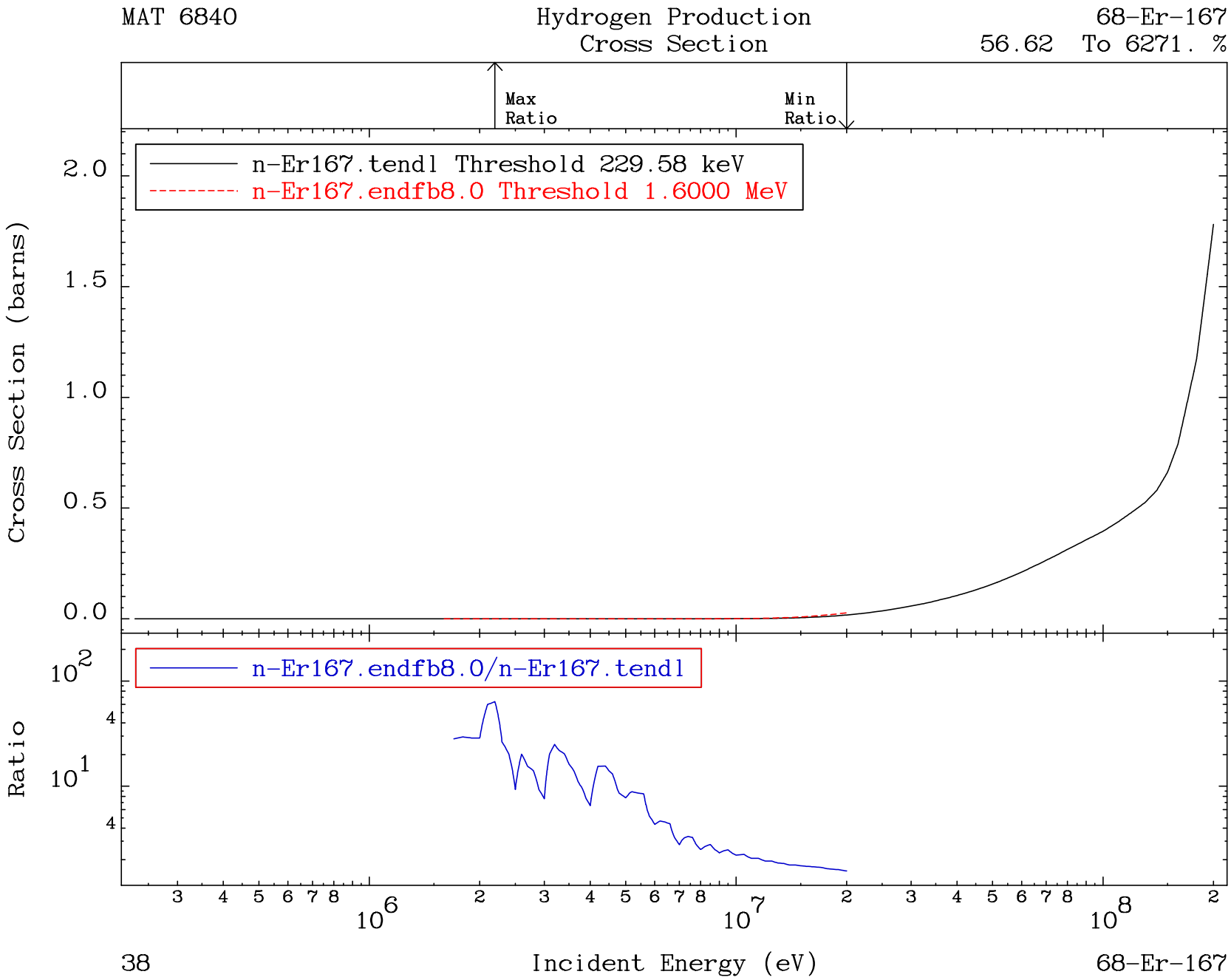

MAT 6840
(n,γ)
Cross Section
68-Er-167
-99.94 To 308.2 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
33
68-Er-167

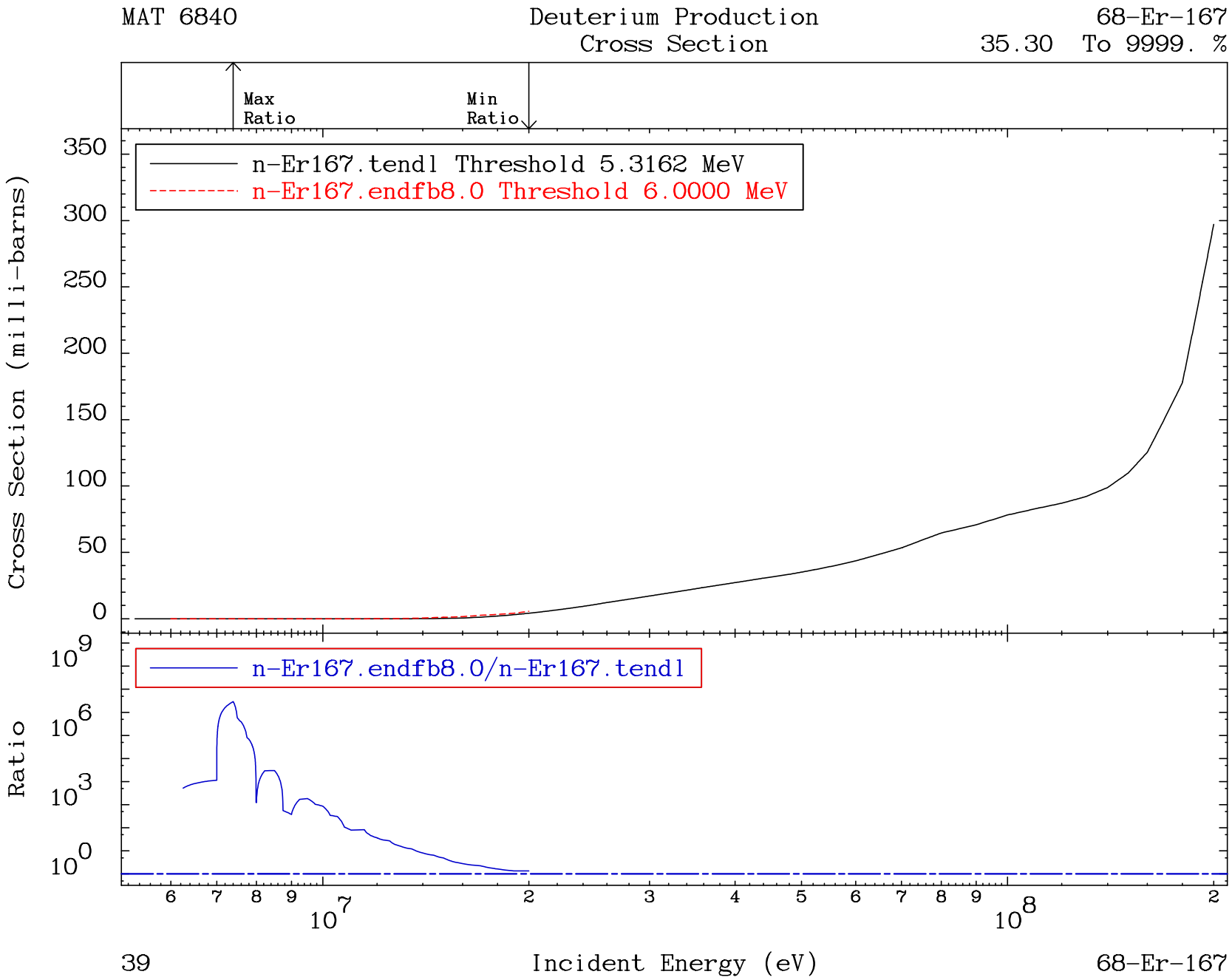

MAT 6840
(n,p)
Cross Section
68-Er-167
45.39 To 6271. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 229.58 keV
n-Er167.endfb8.0 Threshold 1.6000 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^2
10^1
4
4
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
68-Er-167

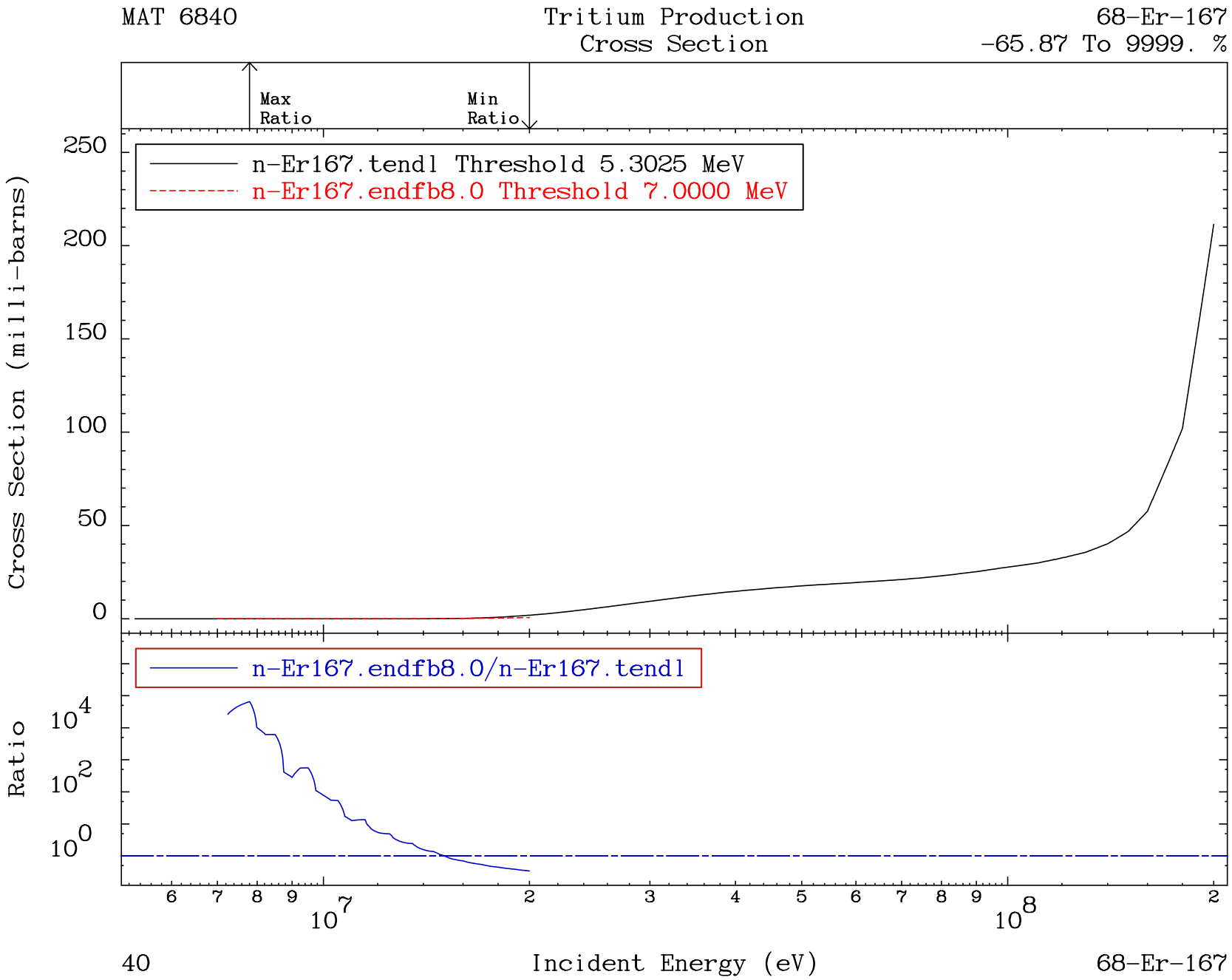

MAT 6840
(n,d)
Cross Section
68-Er-167
28.53 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 5.3162 MeV
n-Er167.endfb8.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
35
68-Er-167

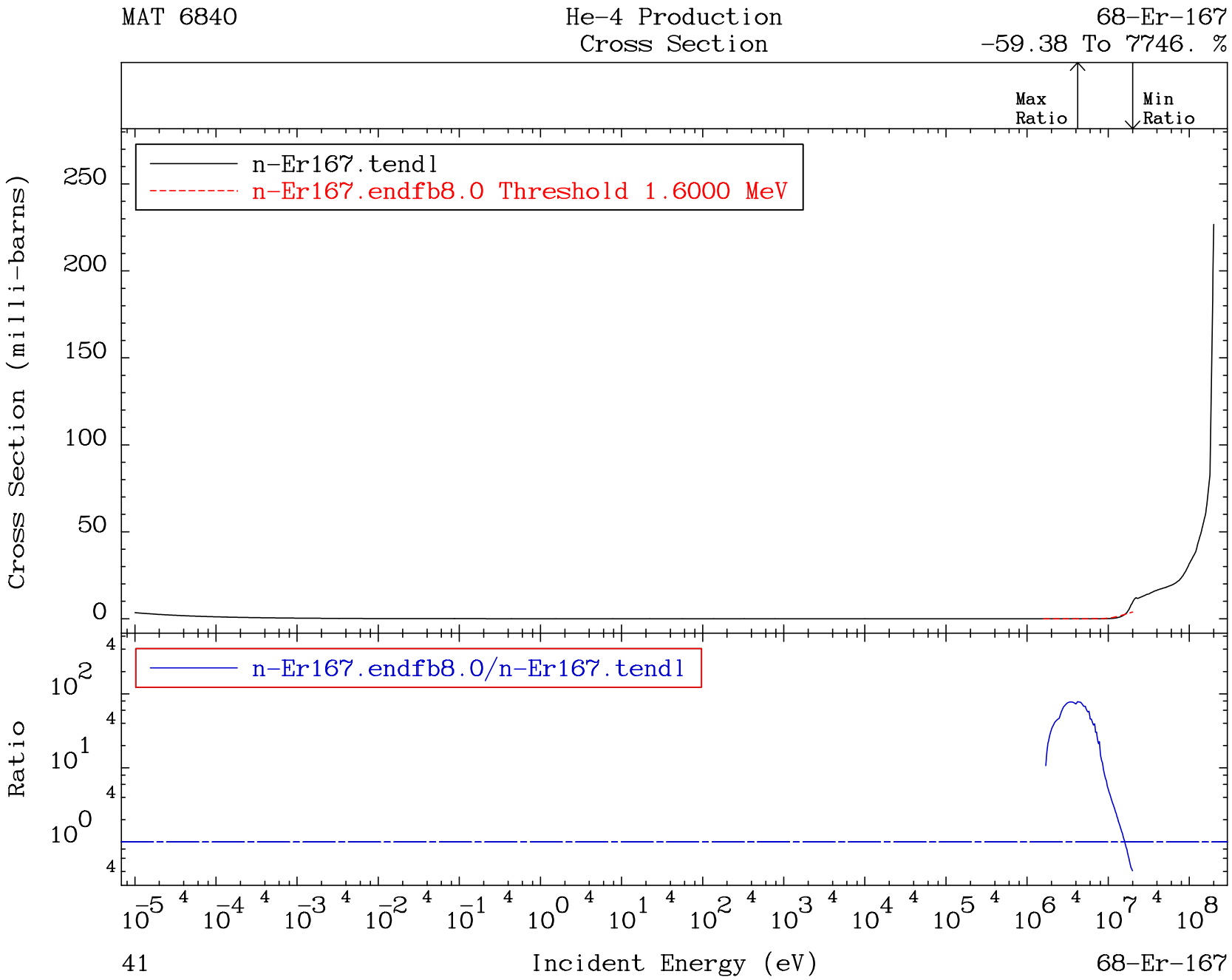

MAT 6840
(n,t)
Cross Section
68-Er-167
-65.86 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 5.3025 MeV
n-Er167.endfb8.0 Threshold 7.0000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^4
10^2
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
68-Er-167

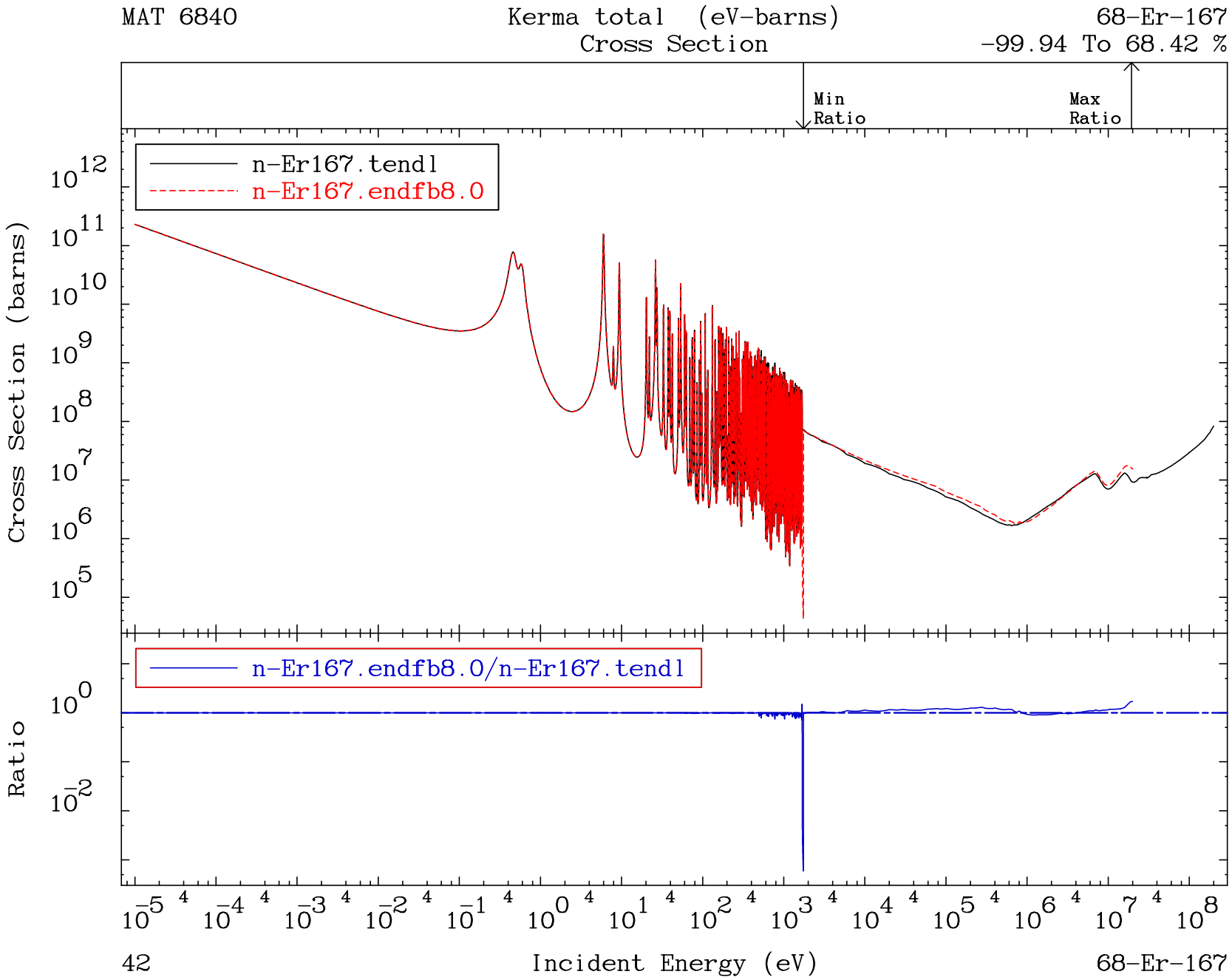

MAT 6840
(n,α)
Cross Section
68-Er-167
-58.22 To 7746. %
Max Ratio
Min Ratio
n-Er167.tendl
n-Er167.endfb8.0 Threshold 1.6000 MeV
Cross Section (milli-barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
37
68-Er-167

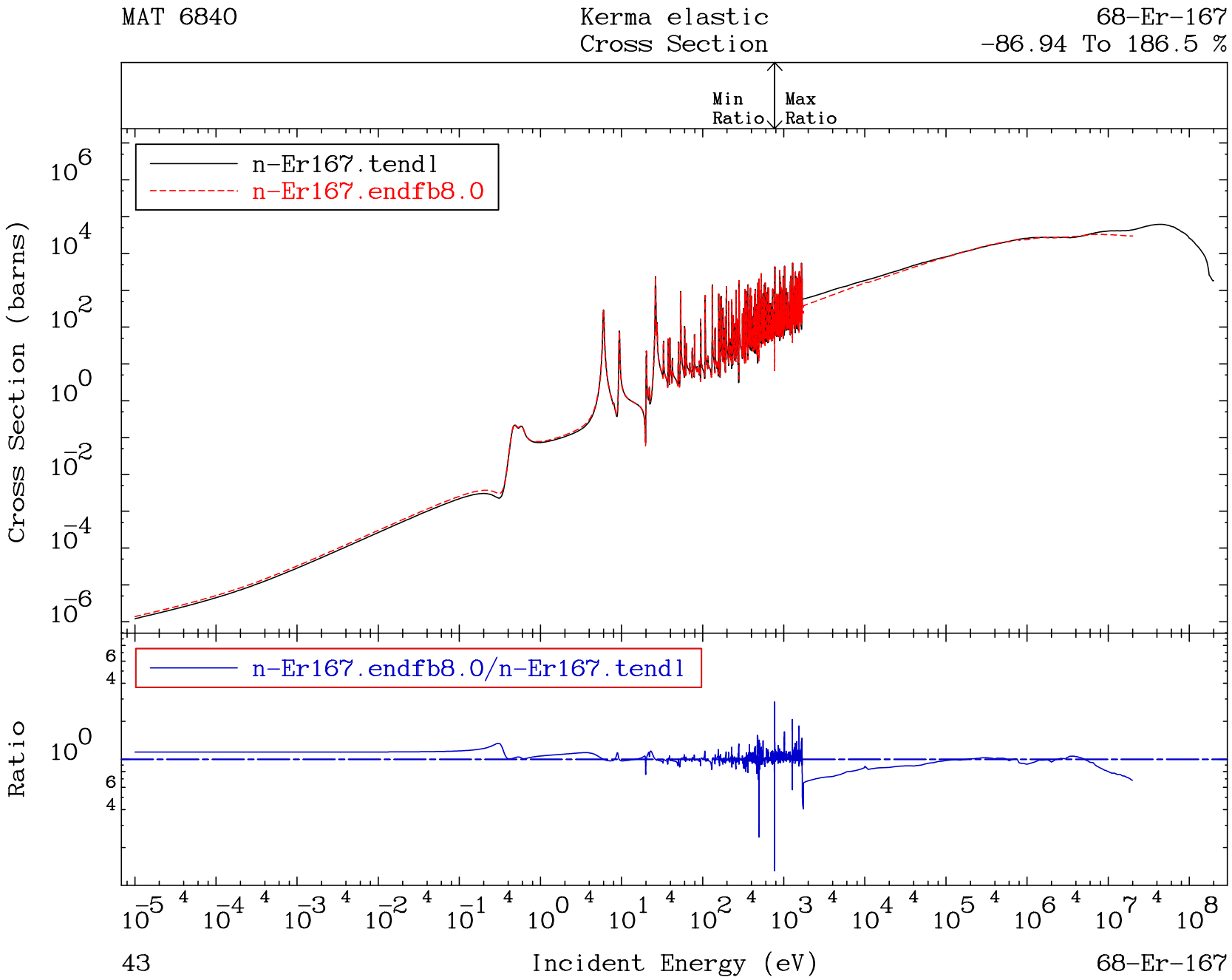

MAT 6840
Hydrogen Production
Cross Section
68-Er-167
56.62 To 6271. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 229.58 keV
n-Er167.endfb8.0 Threshold 1.6000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^2
10^1
4
4
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
68-Er-167

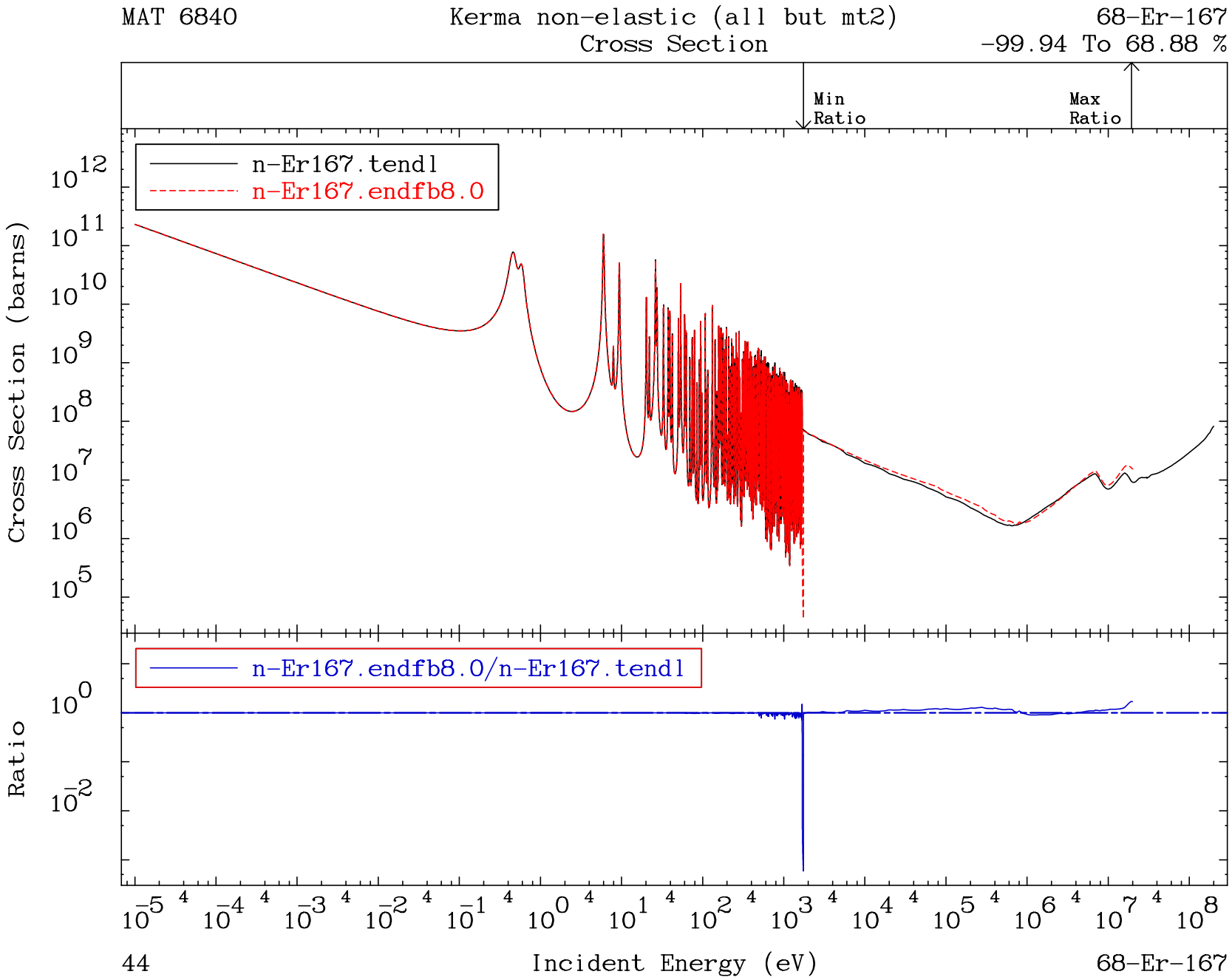

MAT 6840
Deuterium Production
Cross Section
68-Er-167
35.30 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 5.3162 MeV
n-Er167.endfb8.0 Threshold 6.0000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
68-Er-167

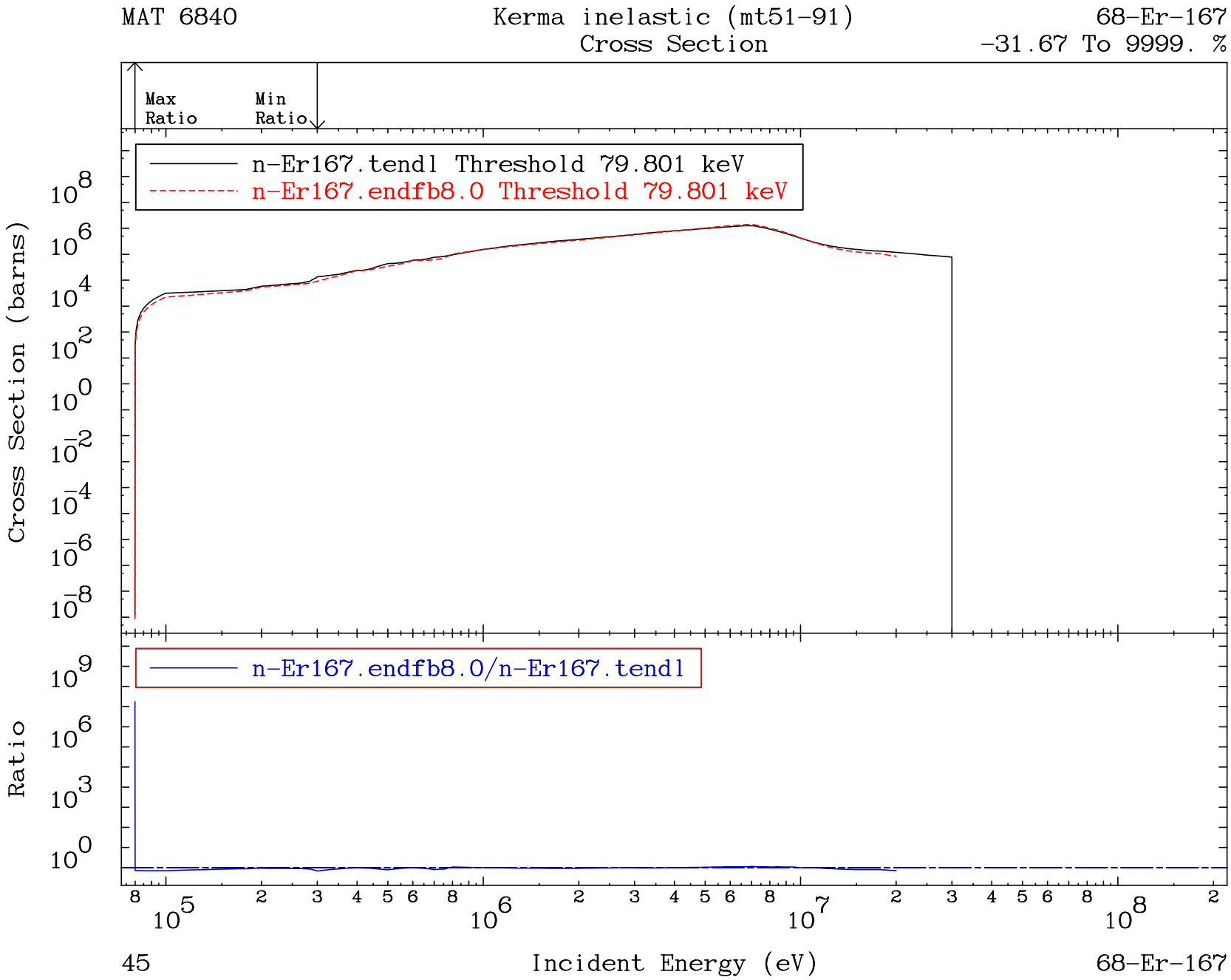

MAT 6840
Tritium Production
Cross Section
68-Er-167
-65.87 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 5.3025 MeV
n-Er167.endfb8.0 Threshold 7.0000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^4
10^2
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
68-Er-167

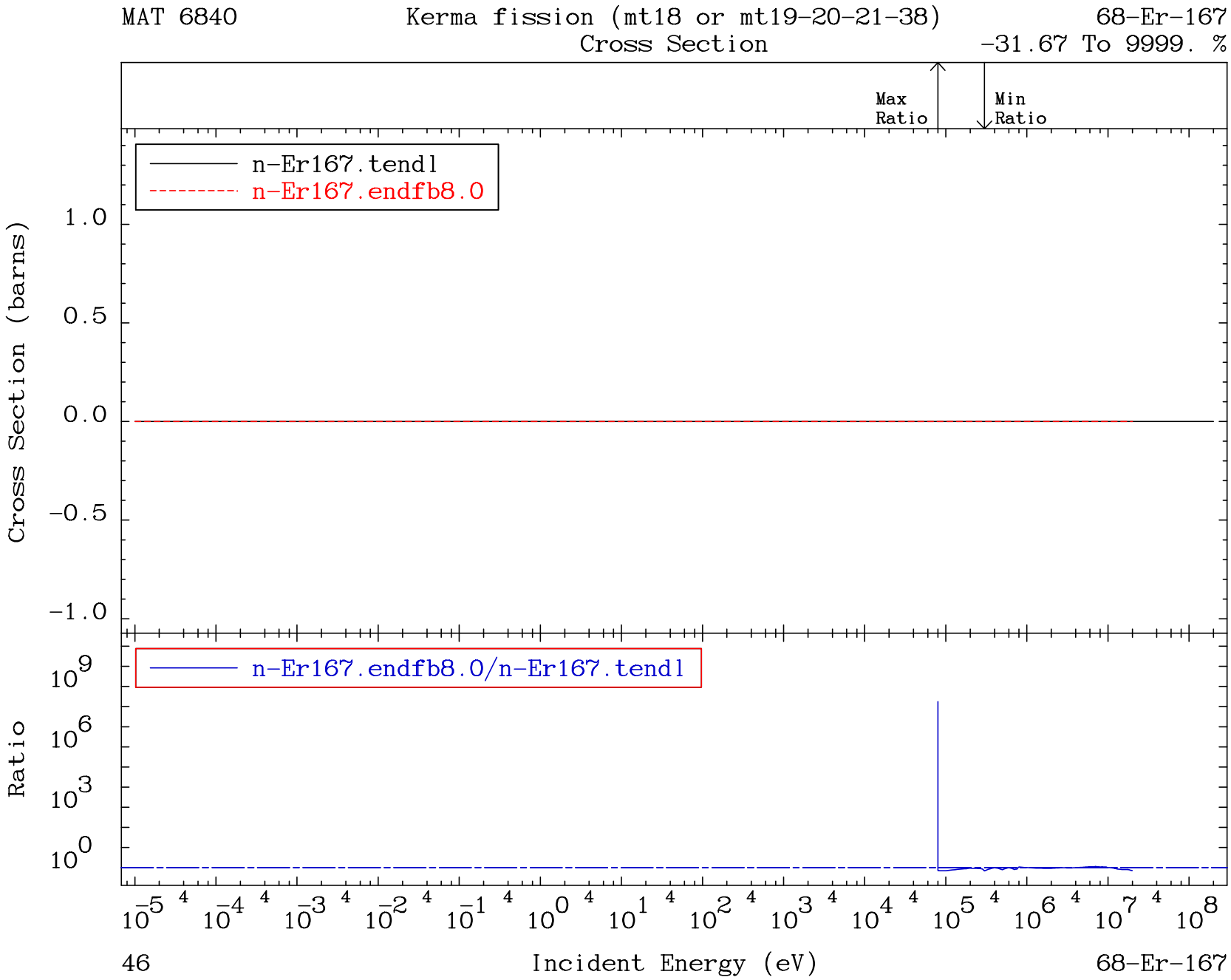

MAT 6840
He-4 Production
Cross Section
68-Er-167
-59.38 To 7746. %
Max Ratio
Min Ratio
n-Er167.tendl
n-Er167.endfb8.0 Threshold 1.6000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
$10^2$
$10^1$
$10^0$
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^0$ $10^1$ $10^2$ $10^3$ $10^4$ $10^5$ $10^6$ $10^7$ $10^8$
41
Incident Energy (eV)
68-Er-167

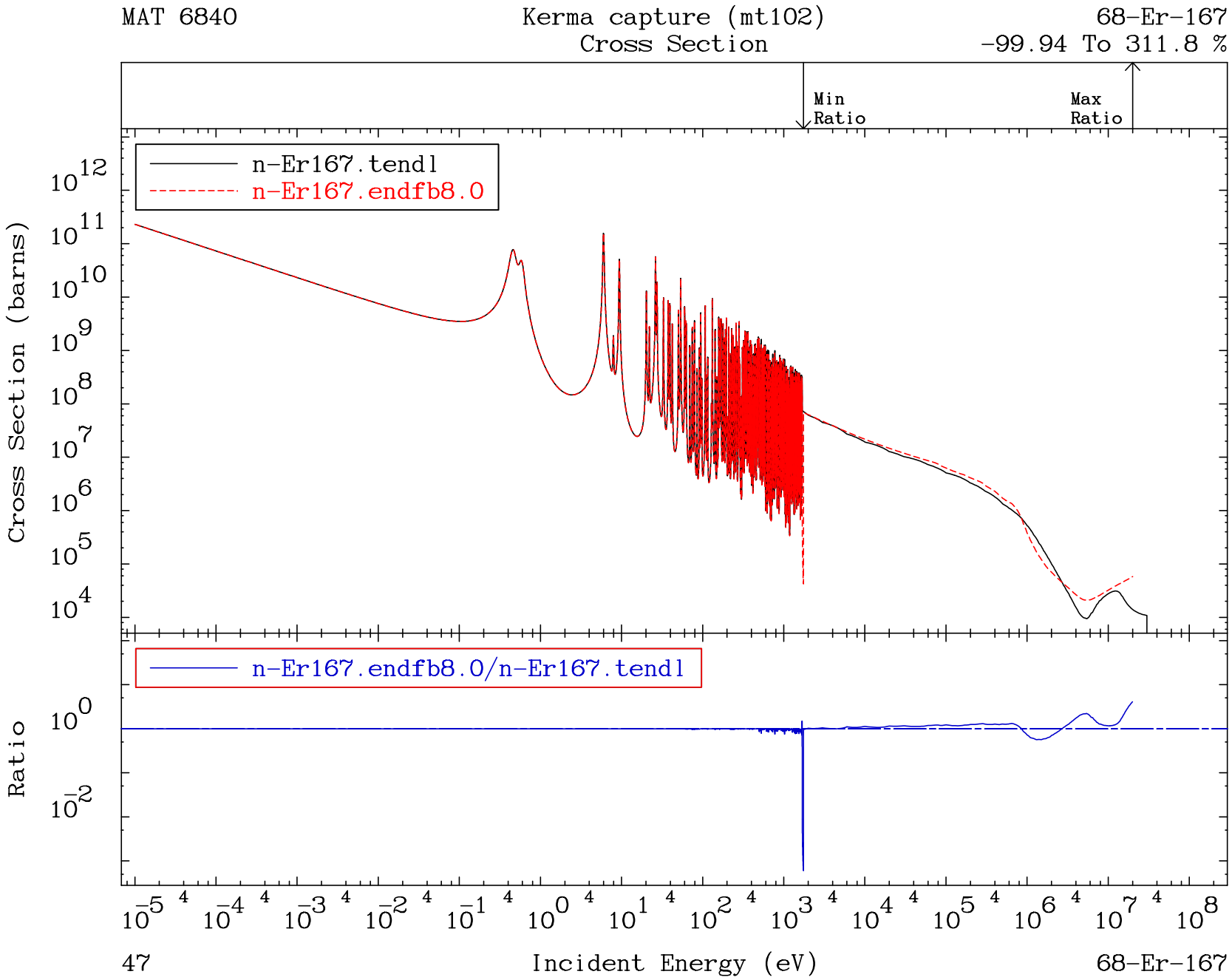

MAT 6840
Kerma total (eV-barns)
Cross Section
68-Er-167
-99.94 To 68.42 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
42
68-Er-167

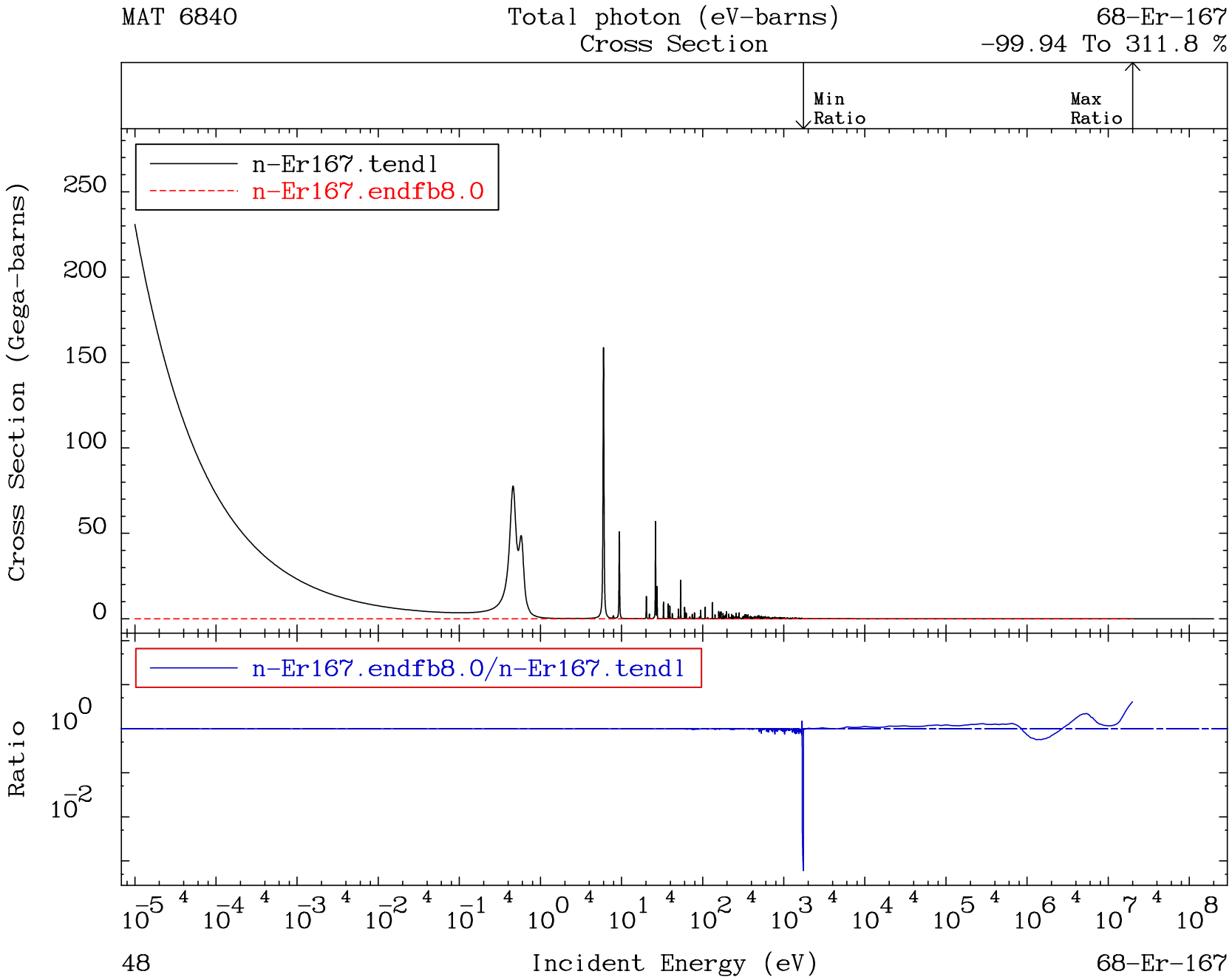

MAT 6840
Kerma elastic
Cross Section
68-Er-167
-86.94 To 186.5 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
43
68-Er-167

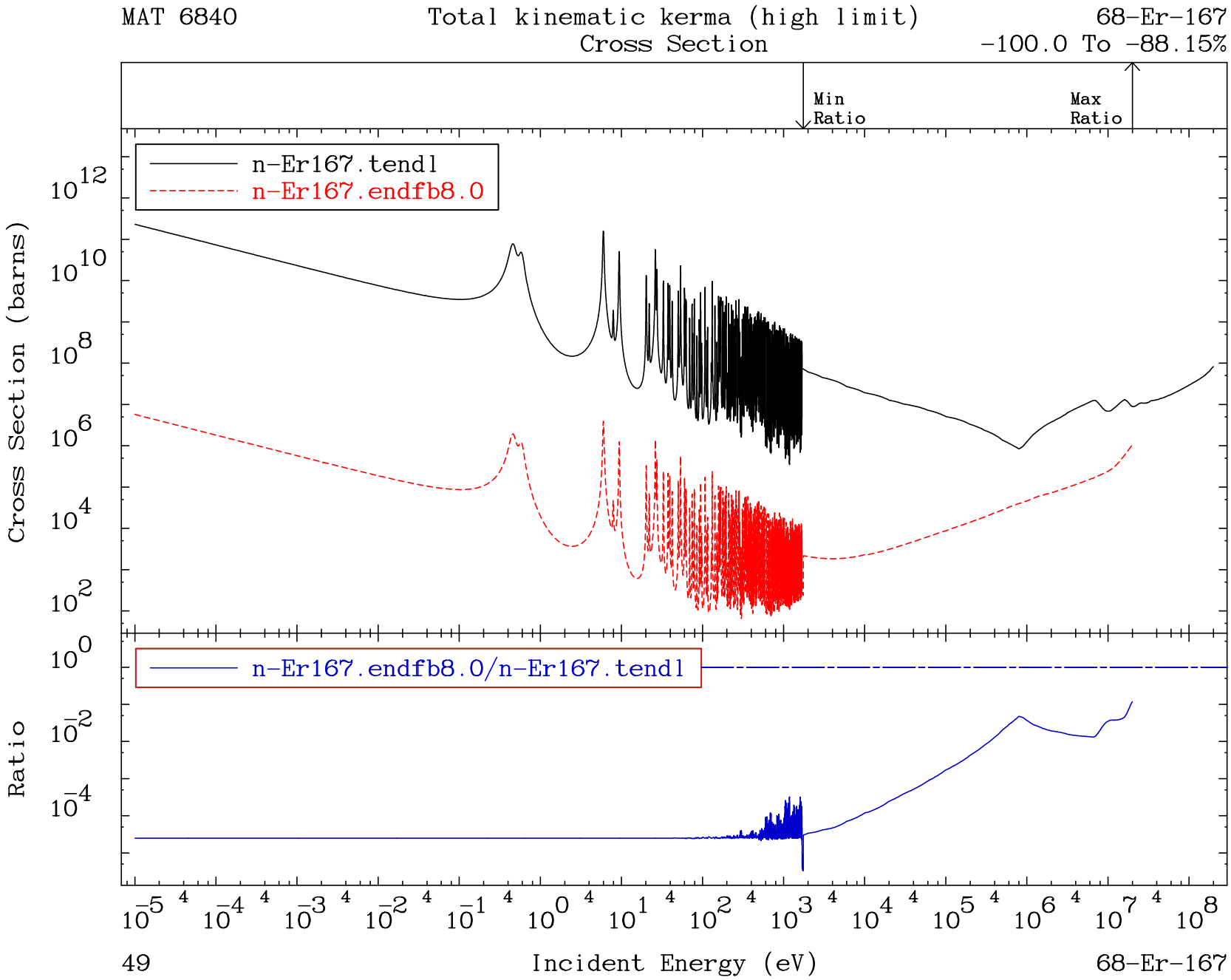

MAT 6840
Kerma non-elastic (all but mt2)
Cross Section
68-Er-167
-99.94 To 68.88 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
44
68-Er-167

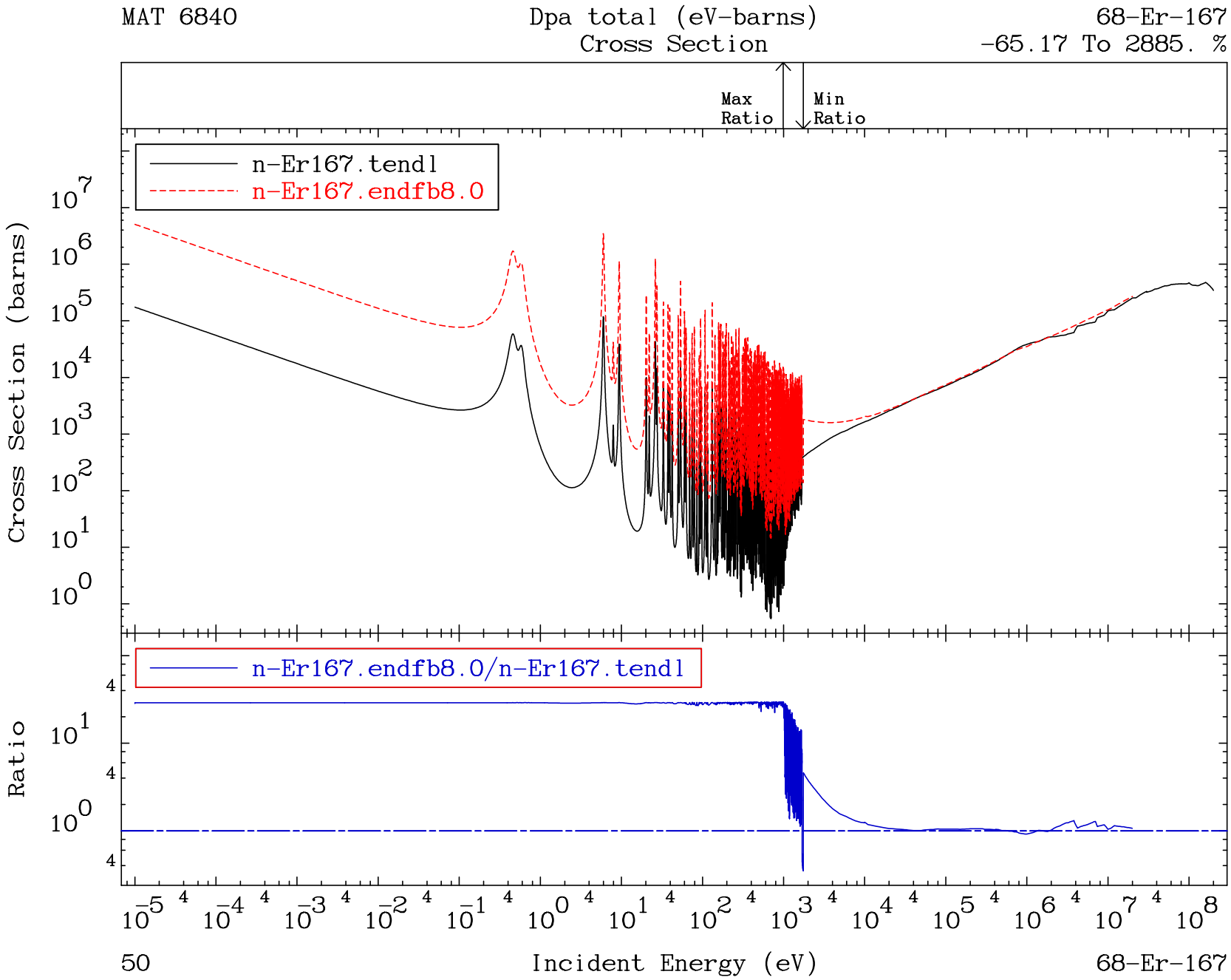

MAT 6840
Kerma inelastic (mt51-91)
Cross Section
68-Er-167
-31.67 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl Threshold 79.801 keV
n-Er167.endfb8.0 Threshold 79.801 keV
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
45
68-Er-167

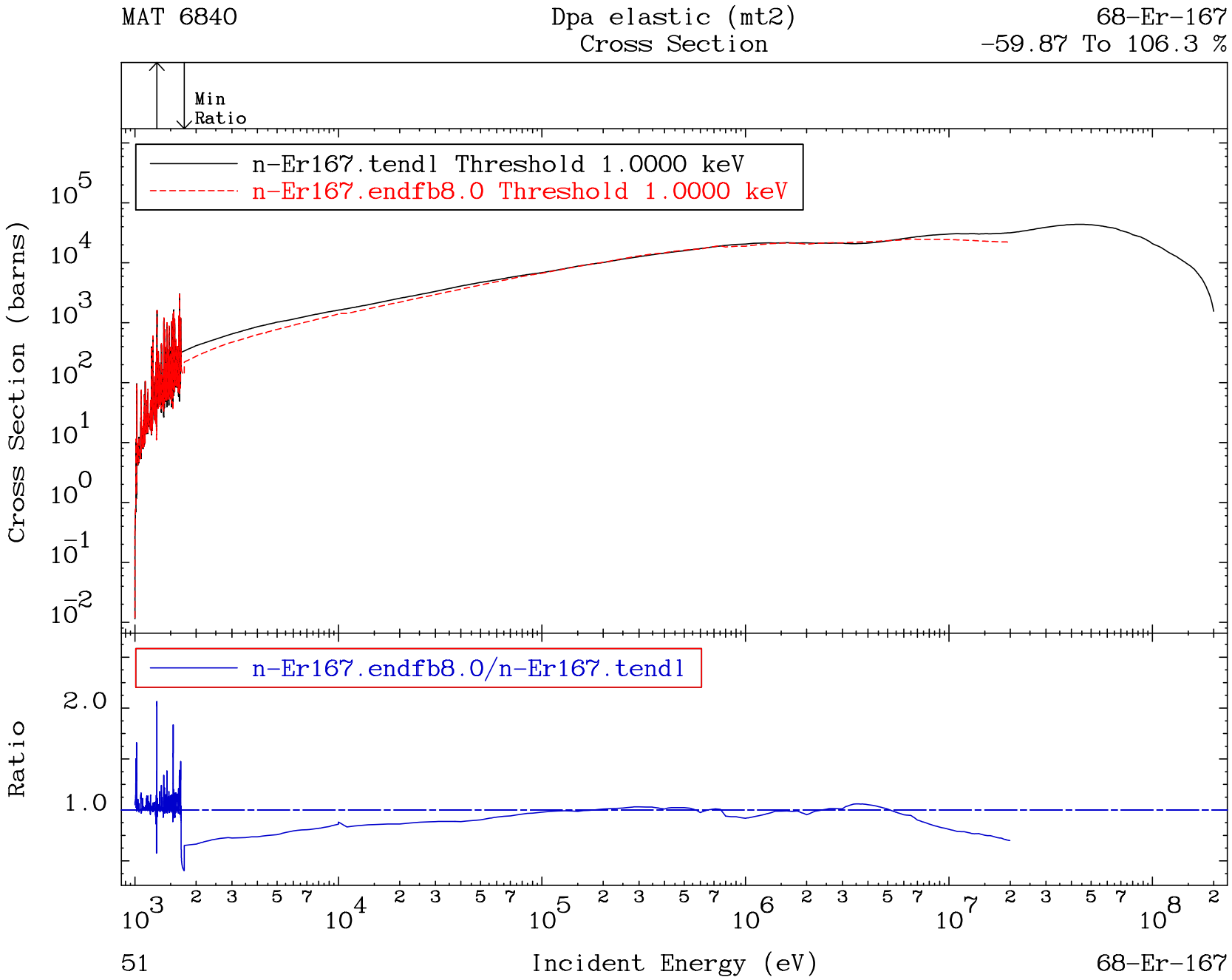

MAT 6840
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
68-Er-167
-31.67 To 9999. %
Max Ratio
Min Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
68-Er-167

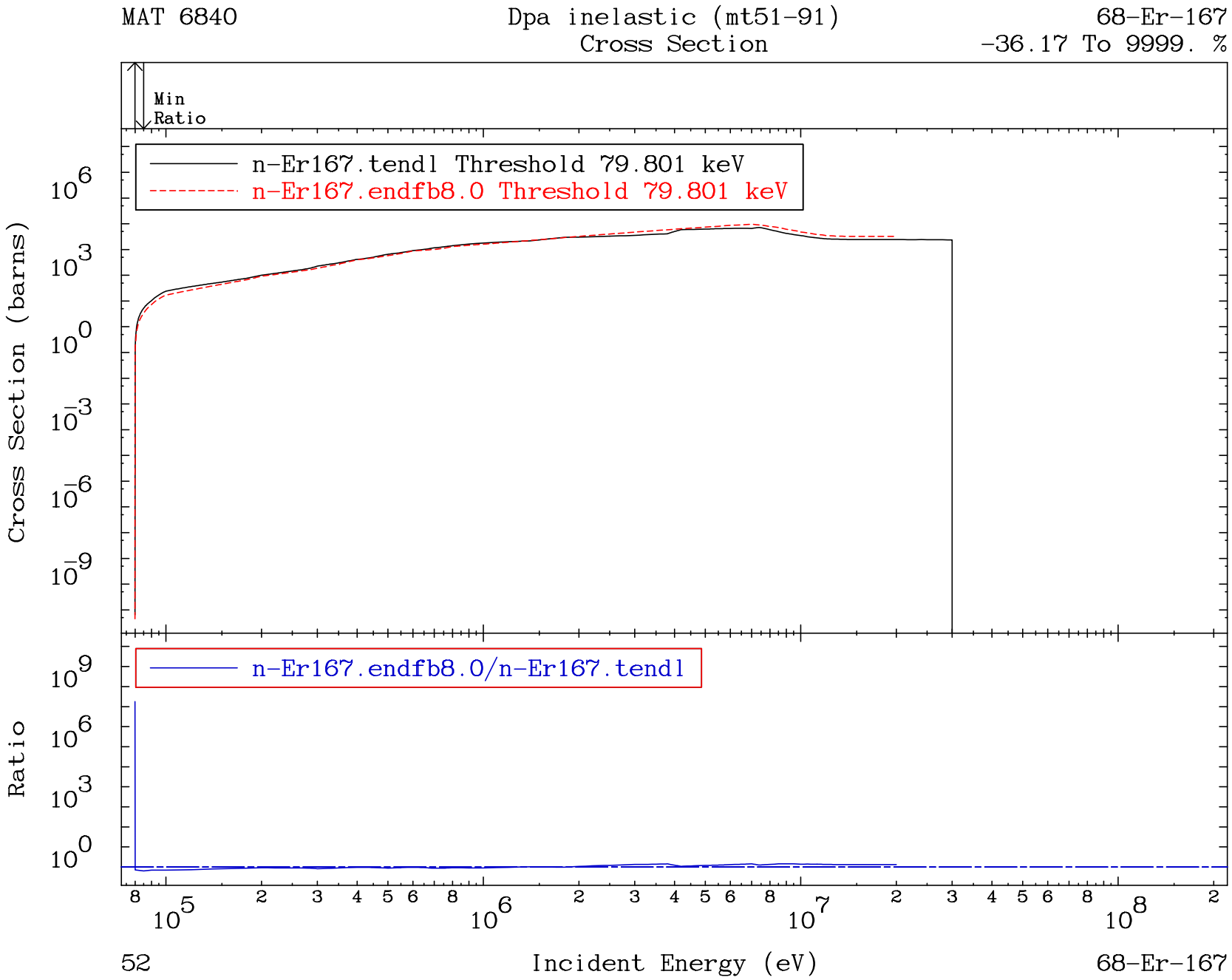

MAT 6840
Kerma capture (mt102)
Cross Section
68-Er-167
-99.94 To 311.8 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
47
68-Er-167

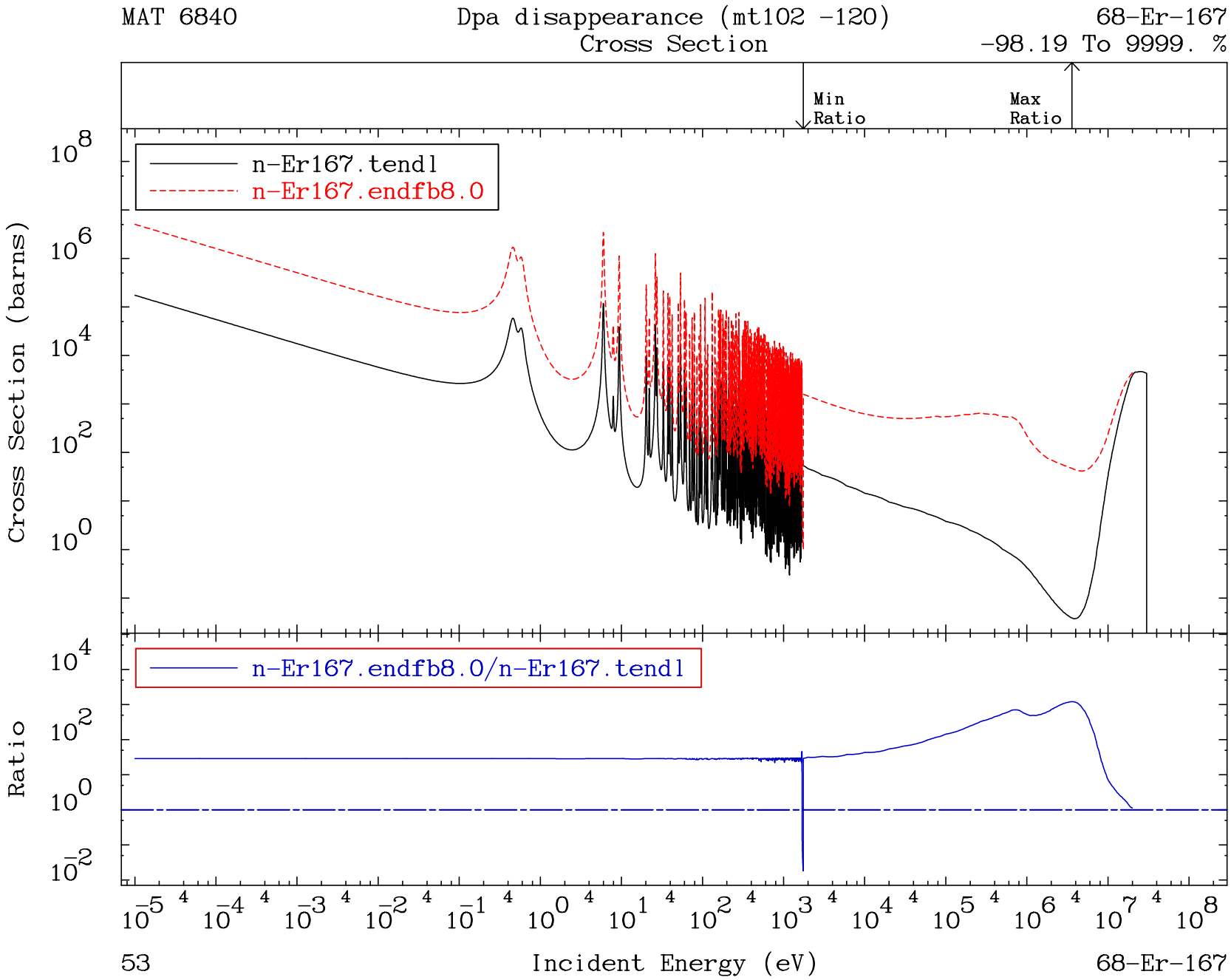

MAT 6840
Total photon (eV-barns)
Cross Section
68-Er-167
-99.94 To 311.8 %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (Gega-barns)
250
200
150
100
50
0
n-Er167.endfb8.0/n-Er167.tendl
Ratio
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
68-Er-167


MAT 6840
Total kinematic kerma (high limit)
Cross Section
68-Er-167
-100.0 To -88.15%
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
49
68-Er-167


MAT 6840
Dpa total (eV-barns)
Cross Section
68-Er-167
-65.17 To 2885. %
Max Ratio
Min Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
50
68-Er-167


MAT 6840
Dpa elastic (mt2)
Cross Section
68-Er-167
-59.87 To 106.3 %
Min
Ratio
n-Er167.tendl Threshold 1.0000 keV
n-Er167.endfb8.0 Threshold 1.0000 keV
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
51
68-Er-167


MAT 6840
Dpa inelastic (mt51-91)
Cross Section
68-Er-167
-36.17 To 9999. %
Min
Ratio
n-Er167.tendl Threshold 79.801 keV
n-Er167.endfb8.0 Threshold 79.801 keV
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
52
68-Er-167


MAT 6840
Dpa disappearance (mt102 -120)
Cross Section
68-Er-167
-98.19 To 9999. %
Min Ratio
Max Ratio
n-Er167.tendl
n-Er167.endfb8.0
Cross Section (barns)
n-Er167.endfb8.0/n-Er167.tendl
Ratio
Incident Energy (eV)
53
68-Er-167