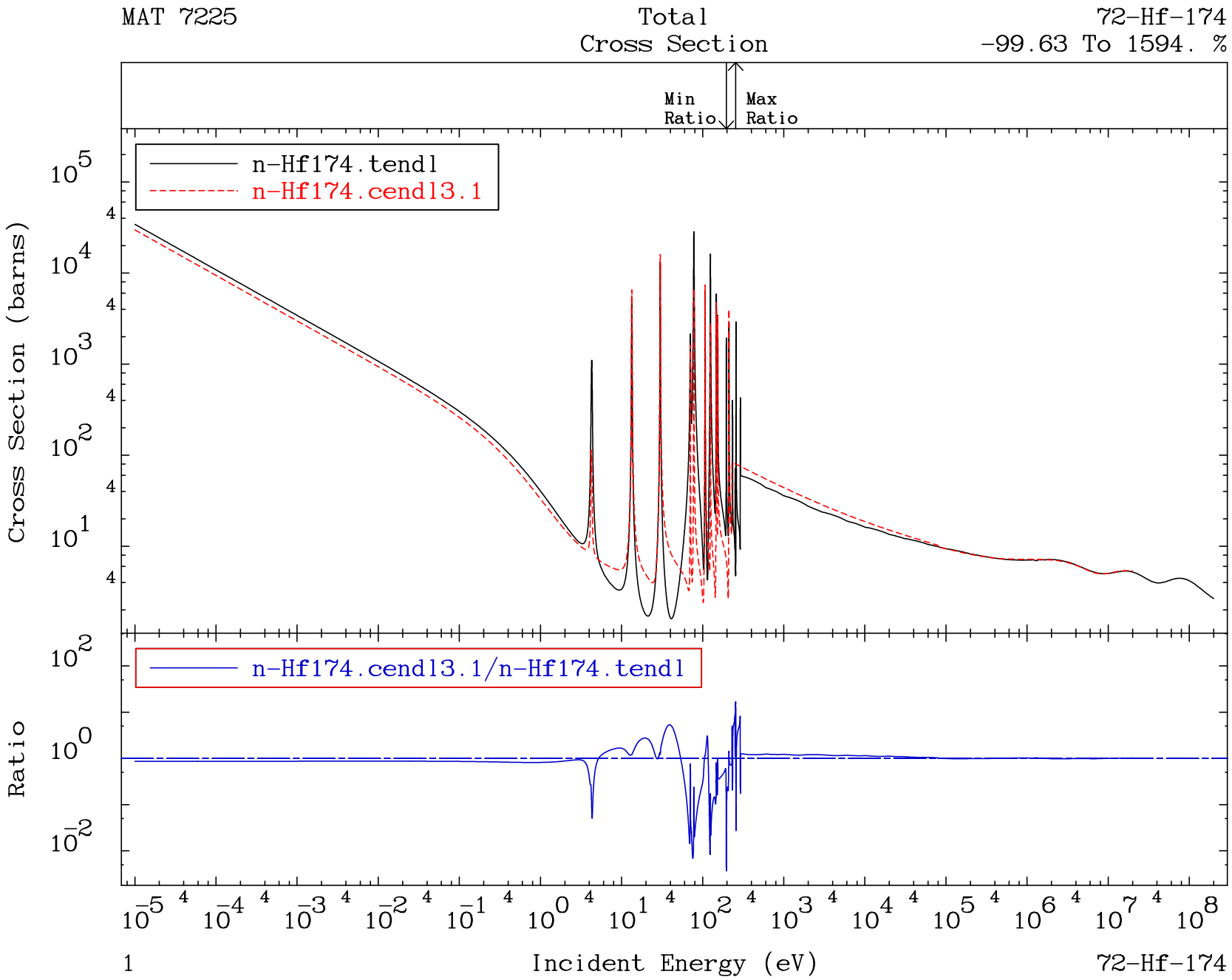
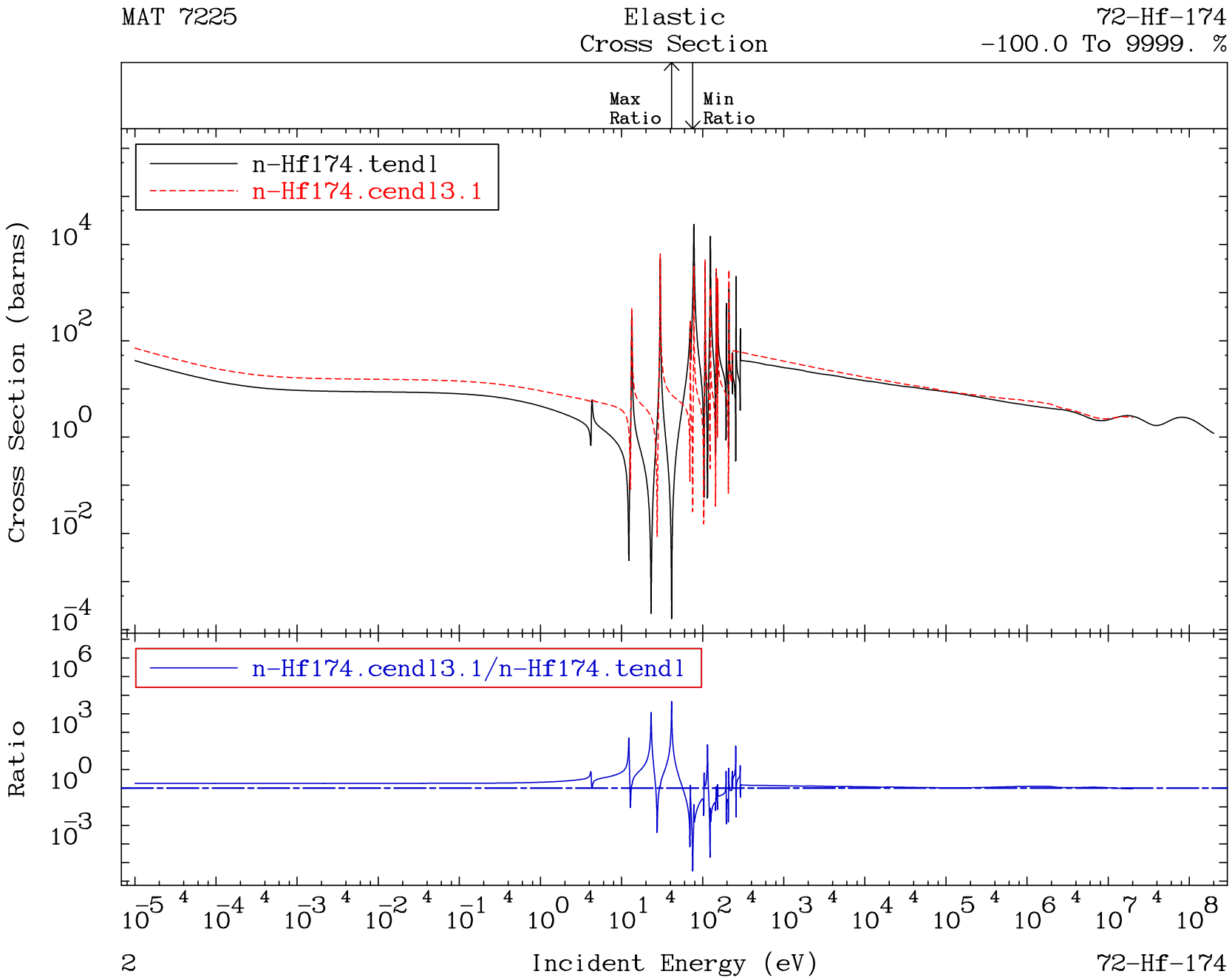
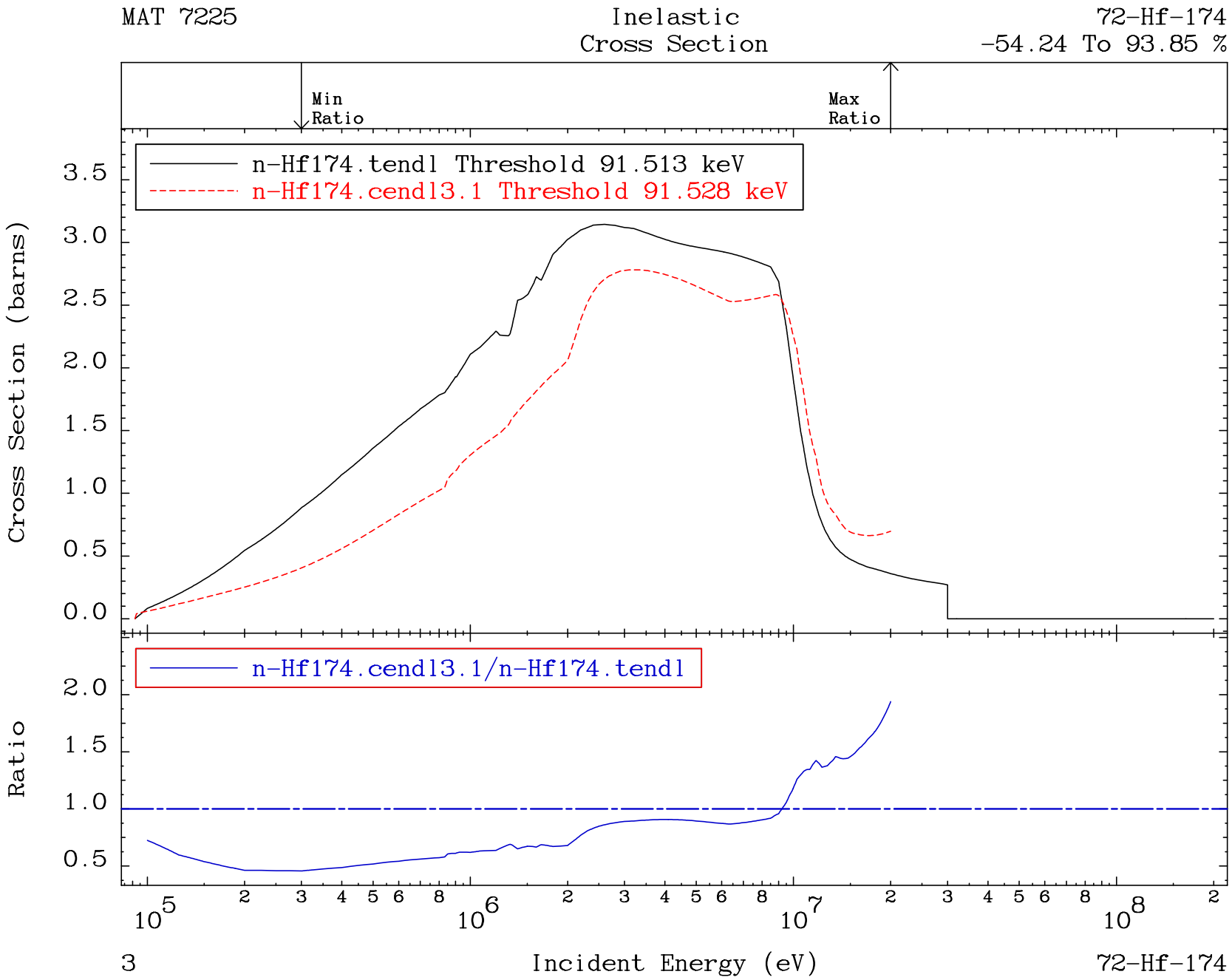
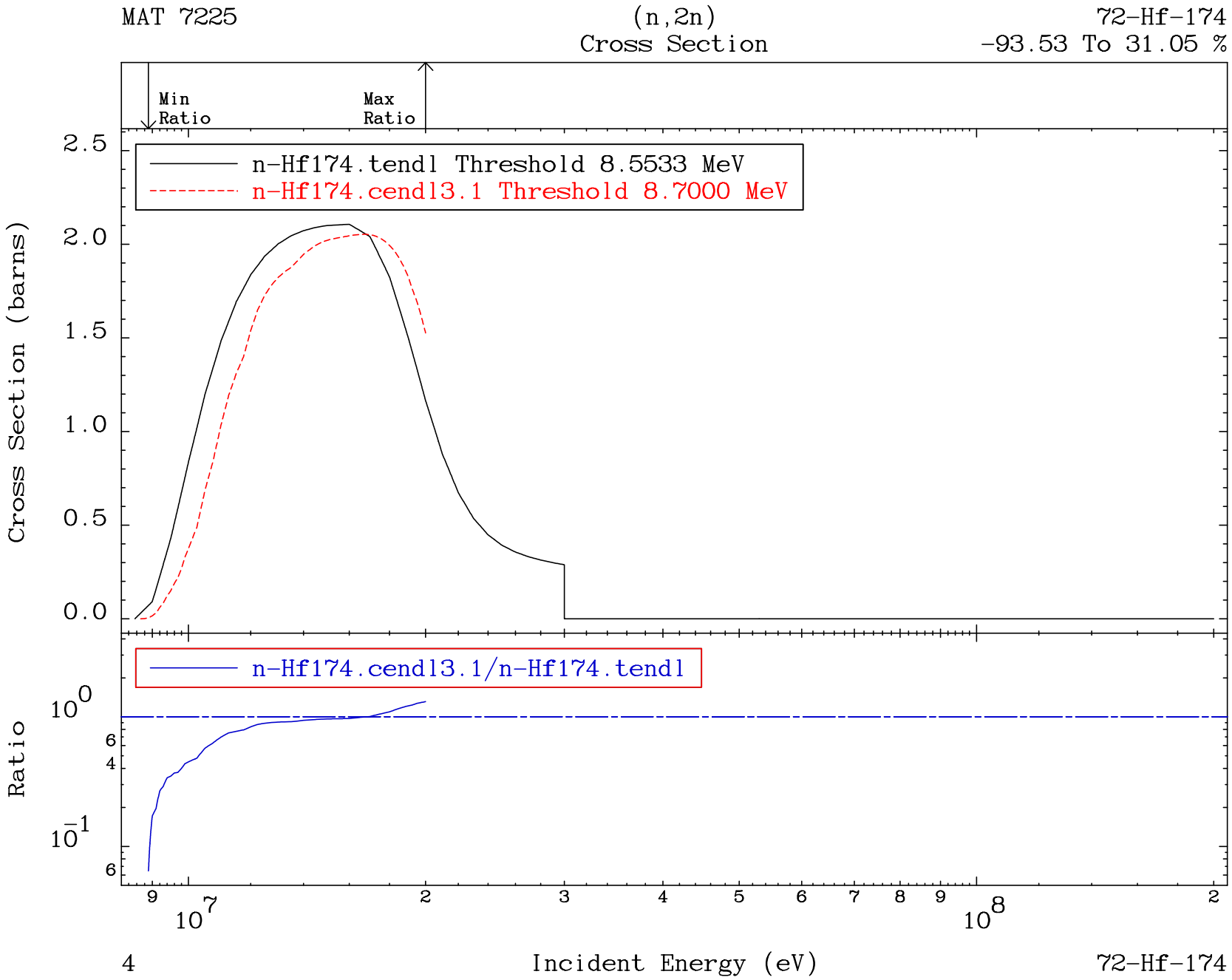
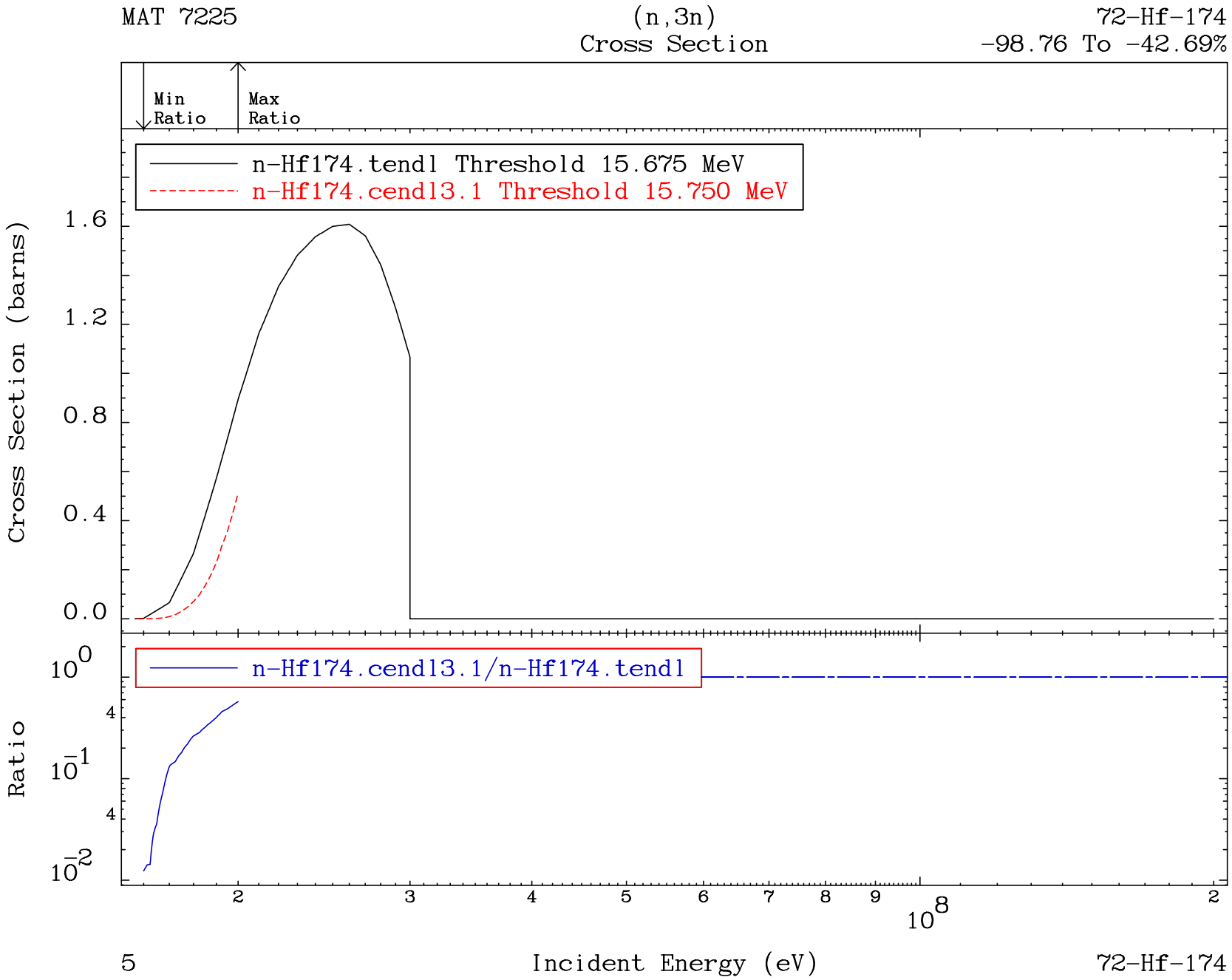
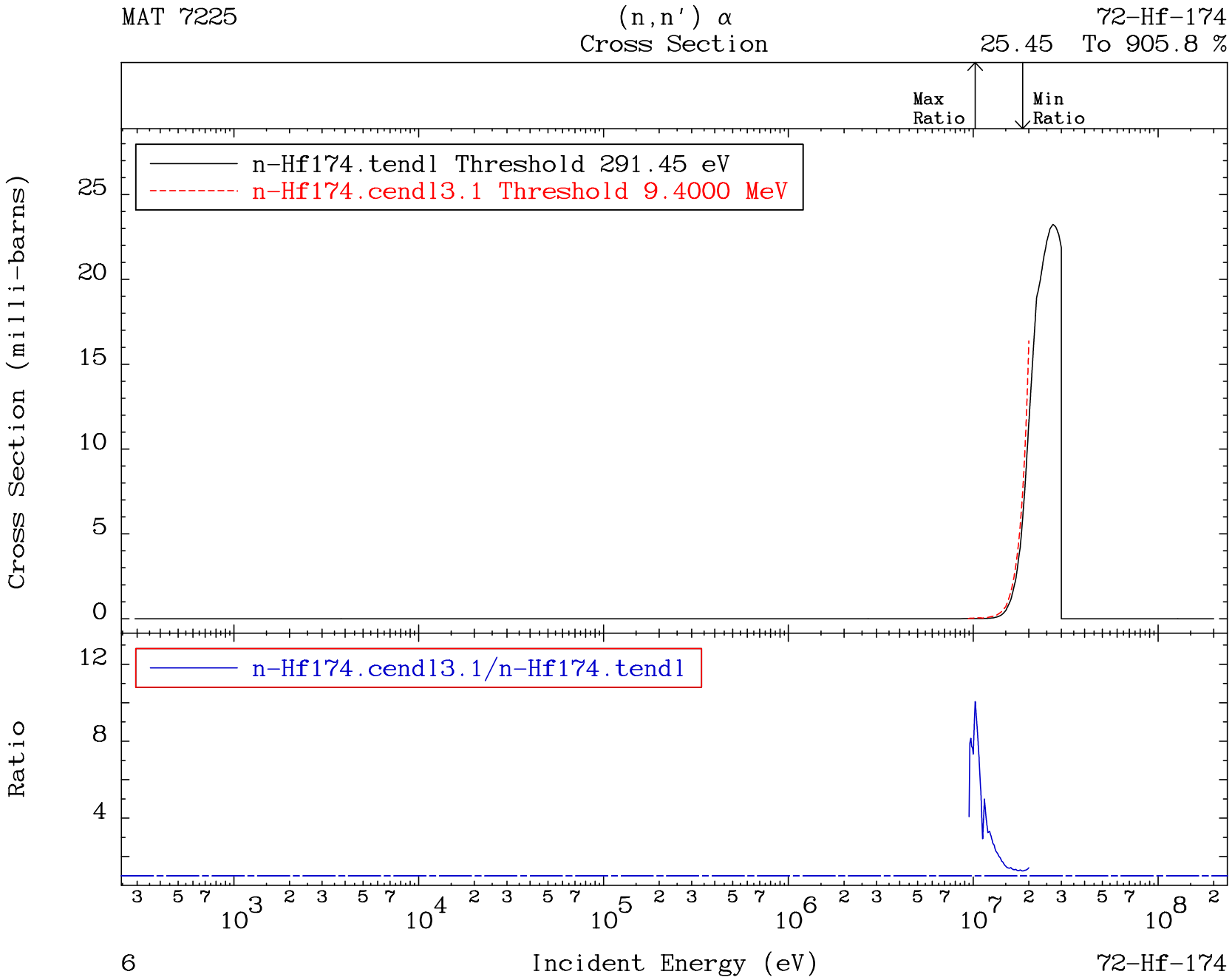

MAT 7225
Total
Cross Section
72-Hf-174
-99.63 To 1594. %
Min
Ratio
Max
Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
1
72-Hf-174

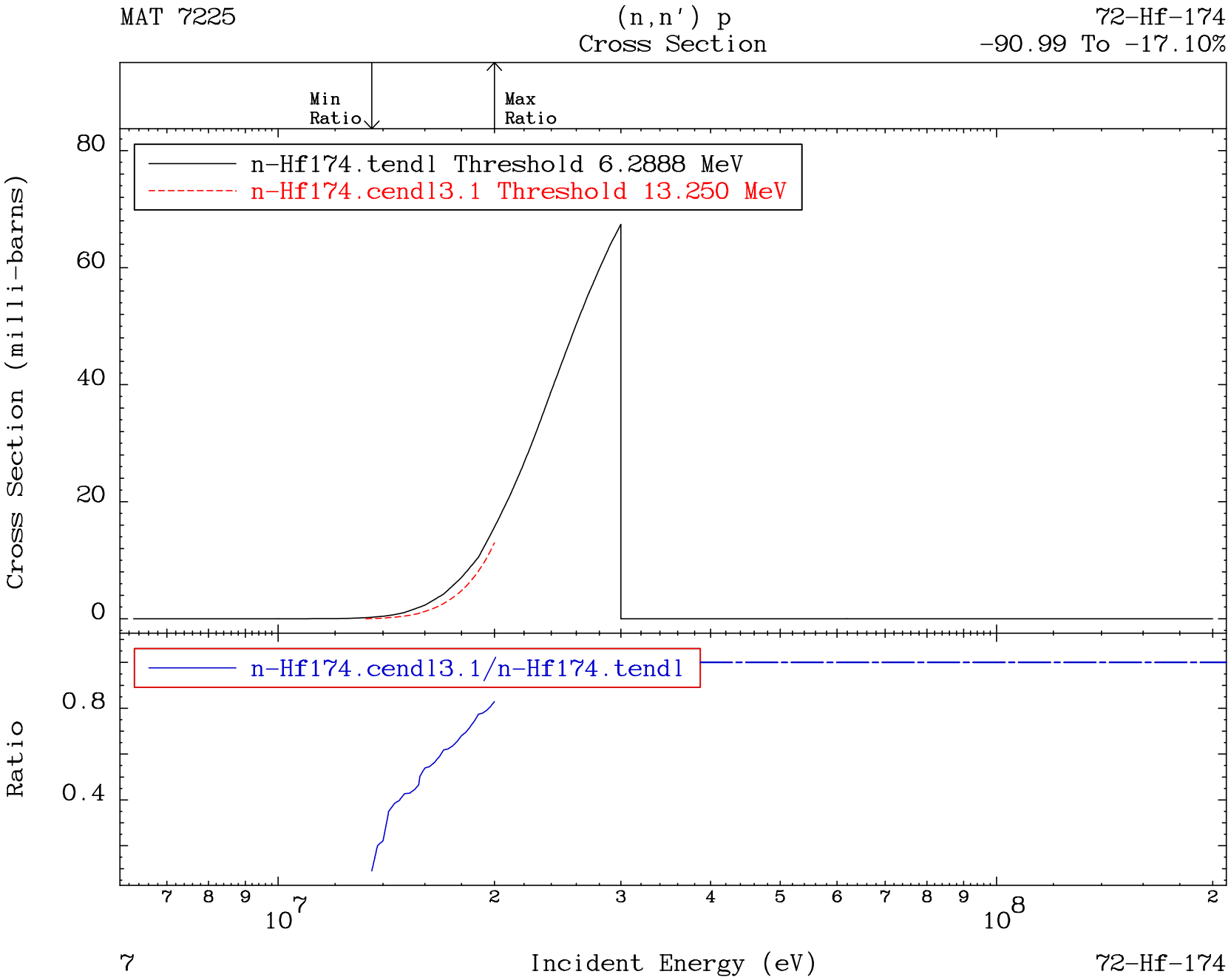

MAT 7225
Elastic
Cross Section
72-Hf-174
-100.0 To 9999. %
Max
Ratio
Min
Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
2
72-Hf-174

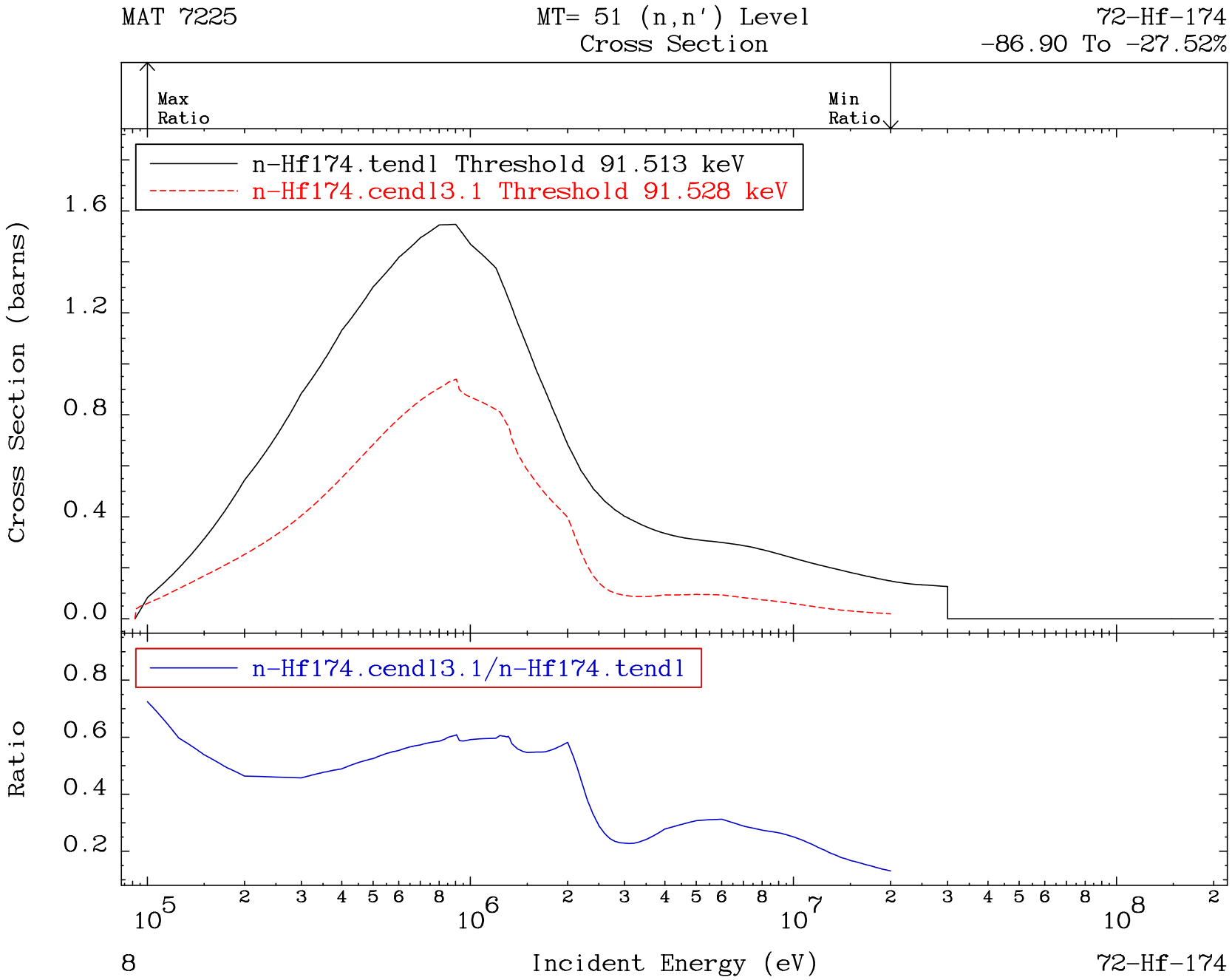

MAT 7225
Inelastic
Cross Section
72-Hf-174
-54.24 To 93.85 %
Min
Ratio
Max
Ratio
n-Hf174.tendl Threshold 91.513 keV
n-Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
2.0
1.5
1.0
0.5
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
72-Hf-174

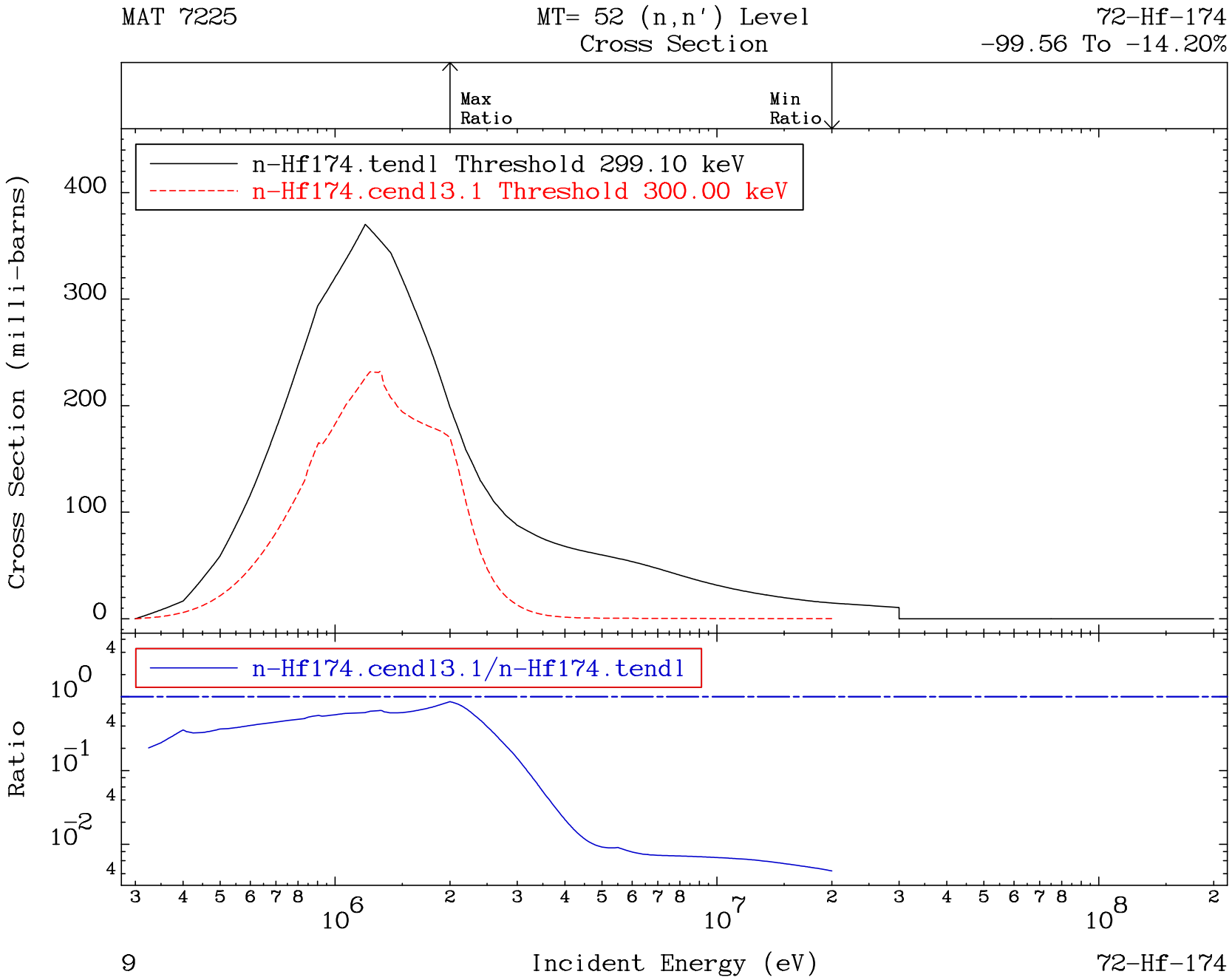

MAT 7225
(n,2n)
Cross Section
72-Hf-174
-93.53 To 31.05 %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 8.5533 MeV
n-Hf174.cendl3.1 Threshold 8.7000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
6
4
10^-1
6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
72-Hf-174

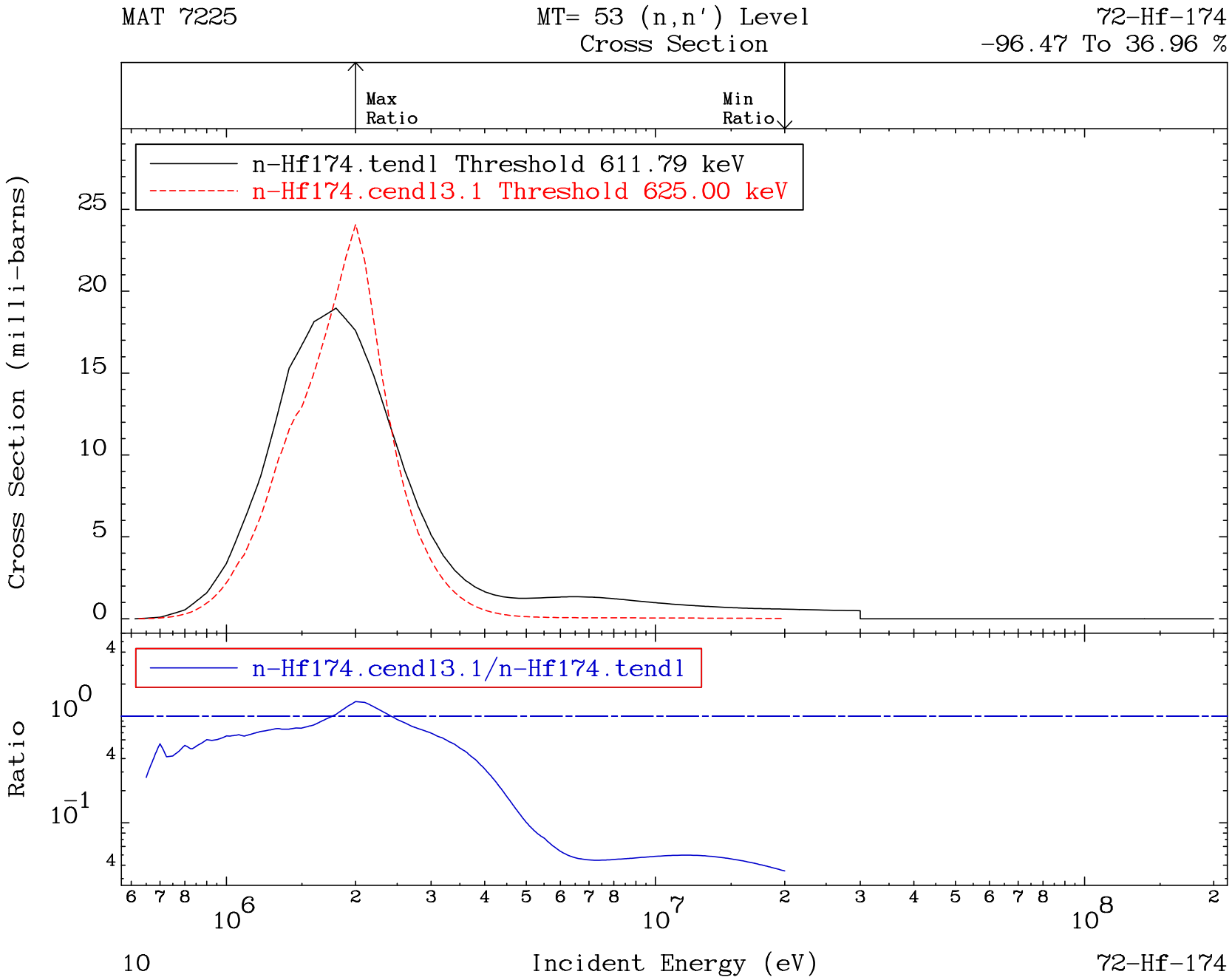

MAT 7225
(n,3n)
Cross Section
72-Hf-174
-98.76 To -42.69%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 15.675 MeV
n-Hf174.cendl3.1 Threshold 15.750 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
72-Hf-174

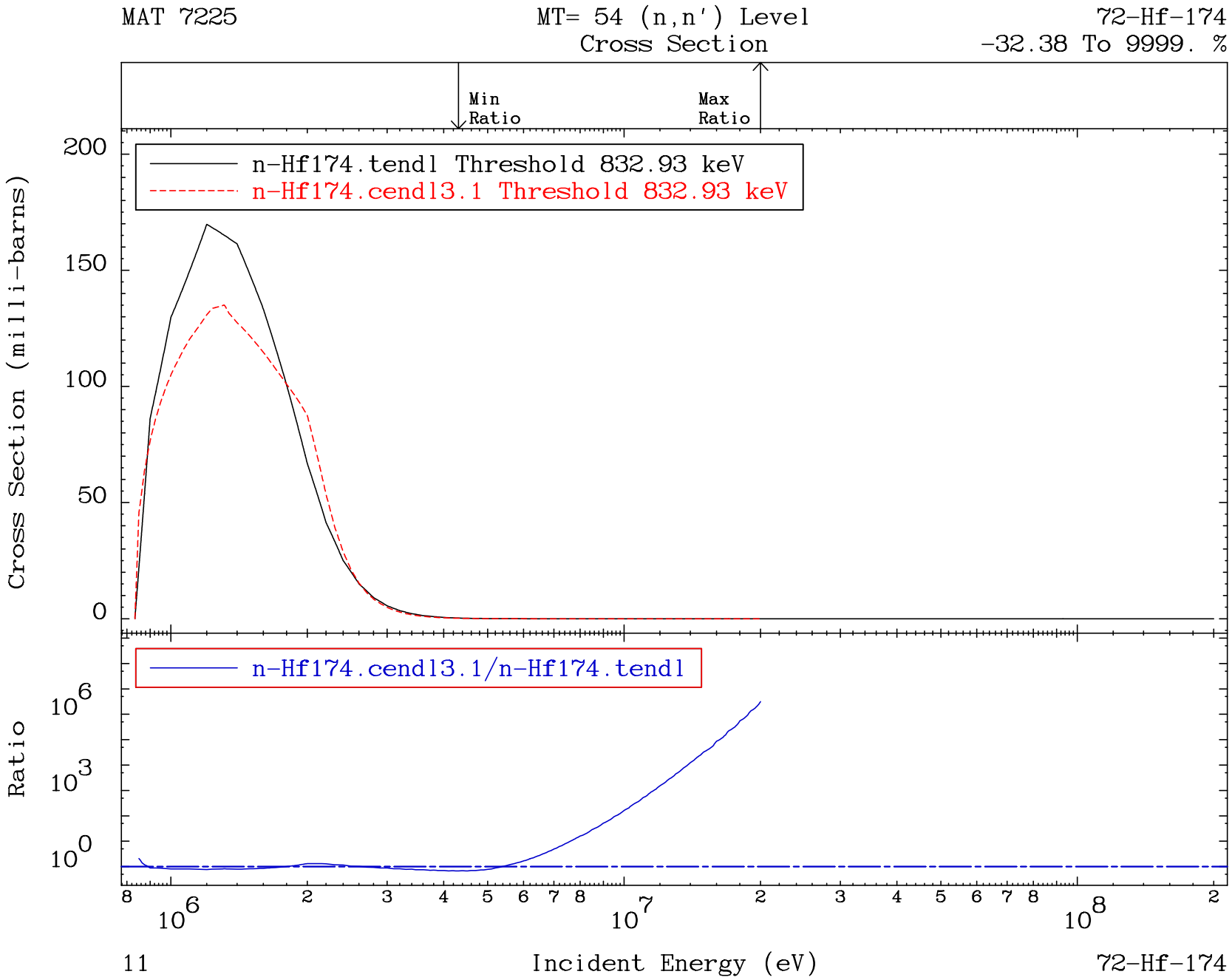

MAT 7225
(n,n') α
Cross Section
72-Hf-174
25.45 To 905.8 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 291.45 eV
n-Hf174.cendl3.1 Threshold 9.4000 MeV
Cross Section (milli-barns)
0
5
10
15
20
25
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
4
8
12
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
6
Incident Energy (eV)
72-Hf-174

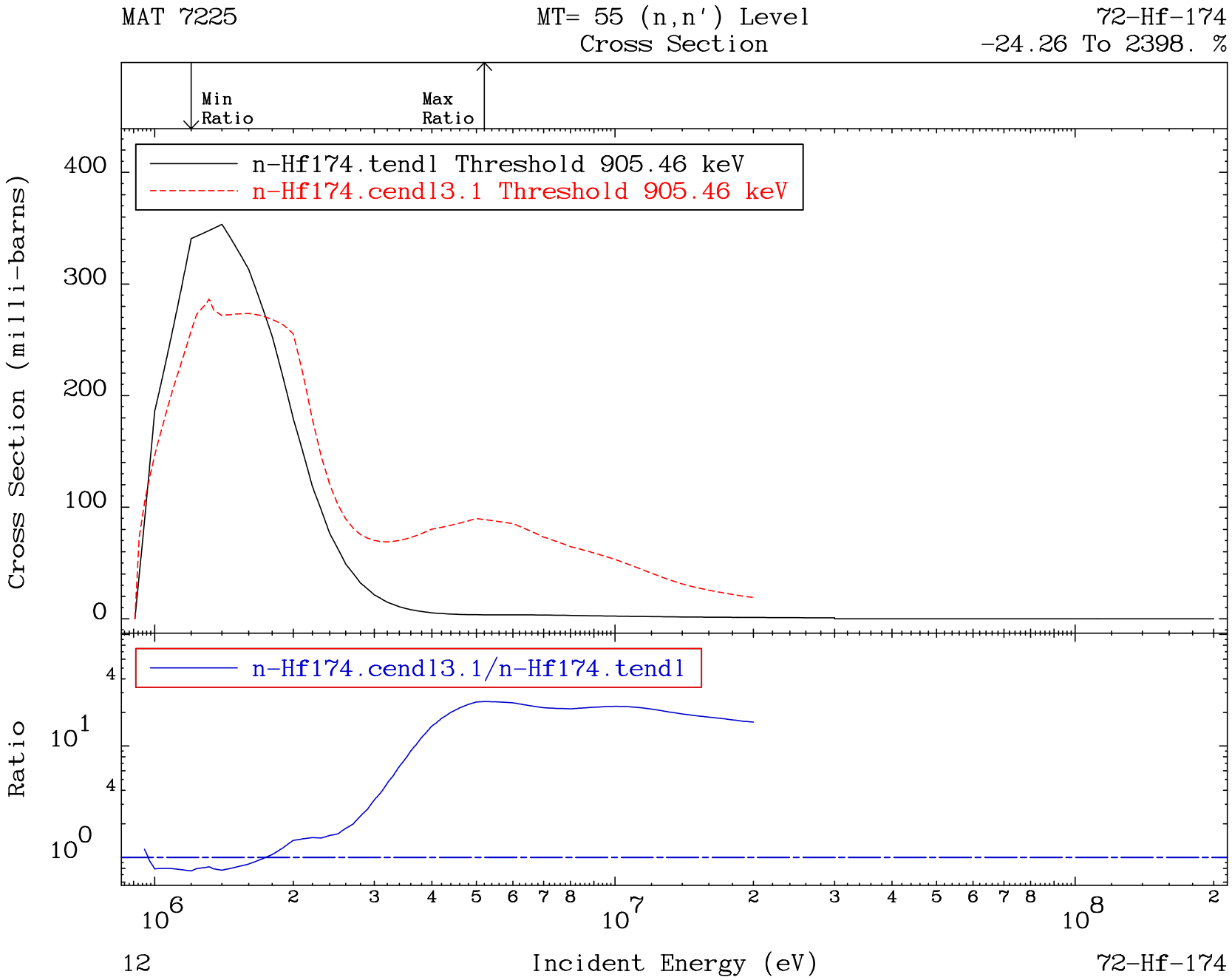

MAT 7225
(n,n') p
Cross Section
72-Hf-174
-90.99 To -17.10%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 6.2888 MeV
n-Hf174.cendl3.1 Threshold 13.250 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
72-Hf-174

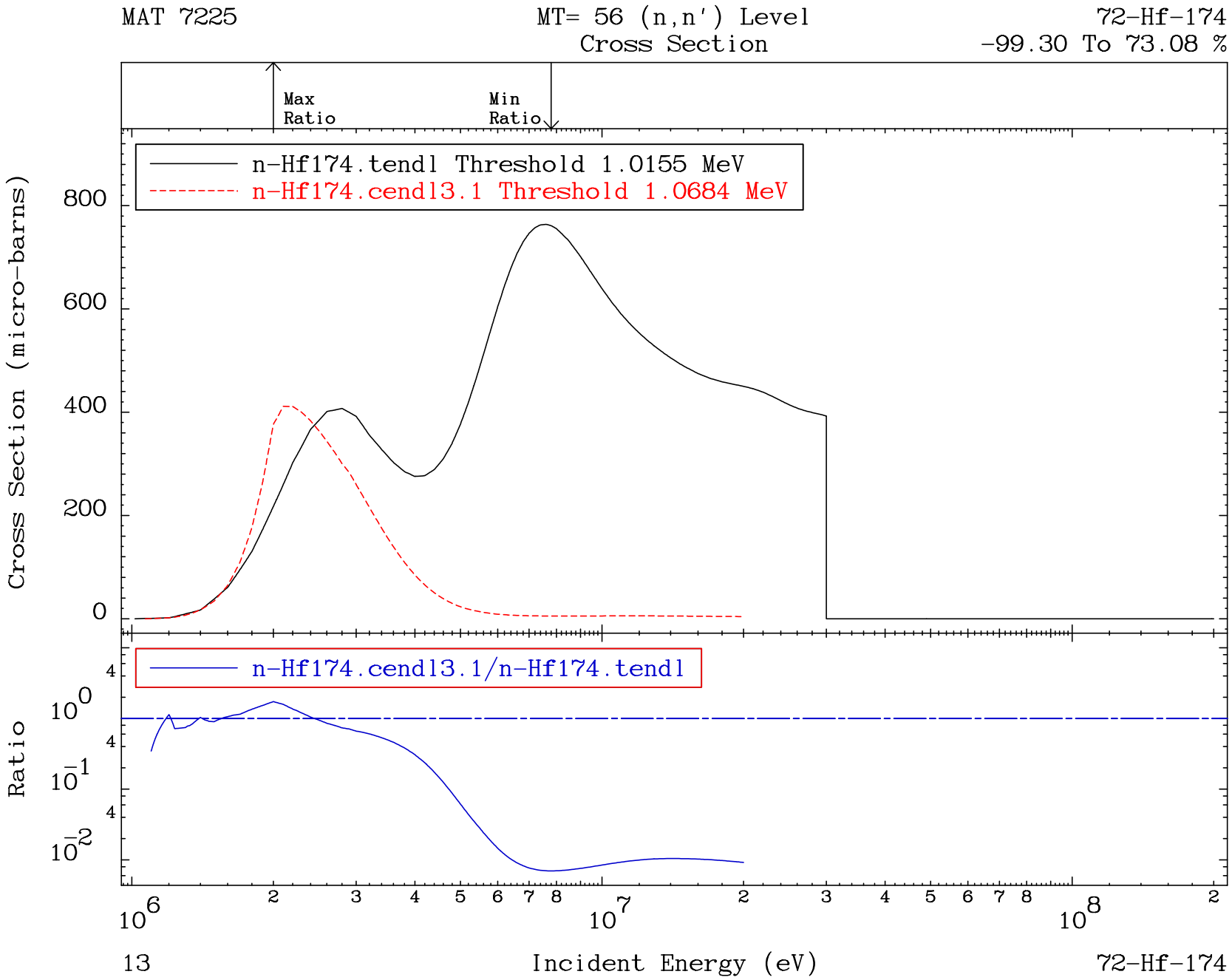

MAT 7225
MT= 51 (n,n') Level
Cross Section
72-Hf-174
-86.90 To -27.52%
Max
Ratio
Min
Ratio
n-Hf174.tendl Threshold 91.513 keV
n-Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
0.8
0.6
0.4
0.2
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
8
Incident Energy (eV)
72-Hf-174

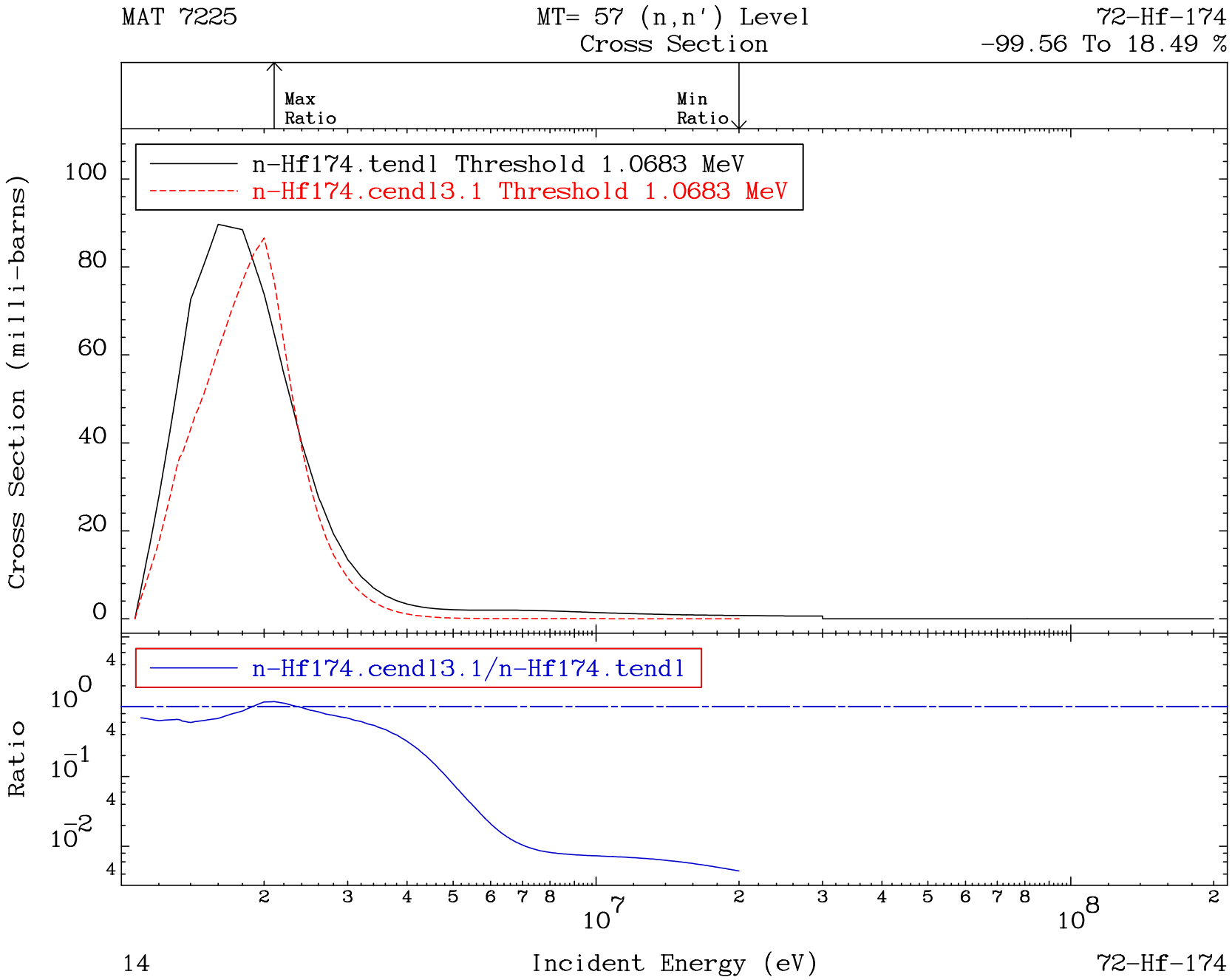

MAT 7225
MT= 52 (n,n') Level
Cross Section
72-Hf-174
-99.56 To -14.20%
Max
Ratio
Min
Ratio
n-Hf174.tendl Threshold 299.10 keV
n-Hf174.cendl3.1 Threshold 300.00 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
72-Hf-174

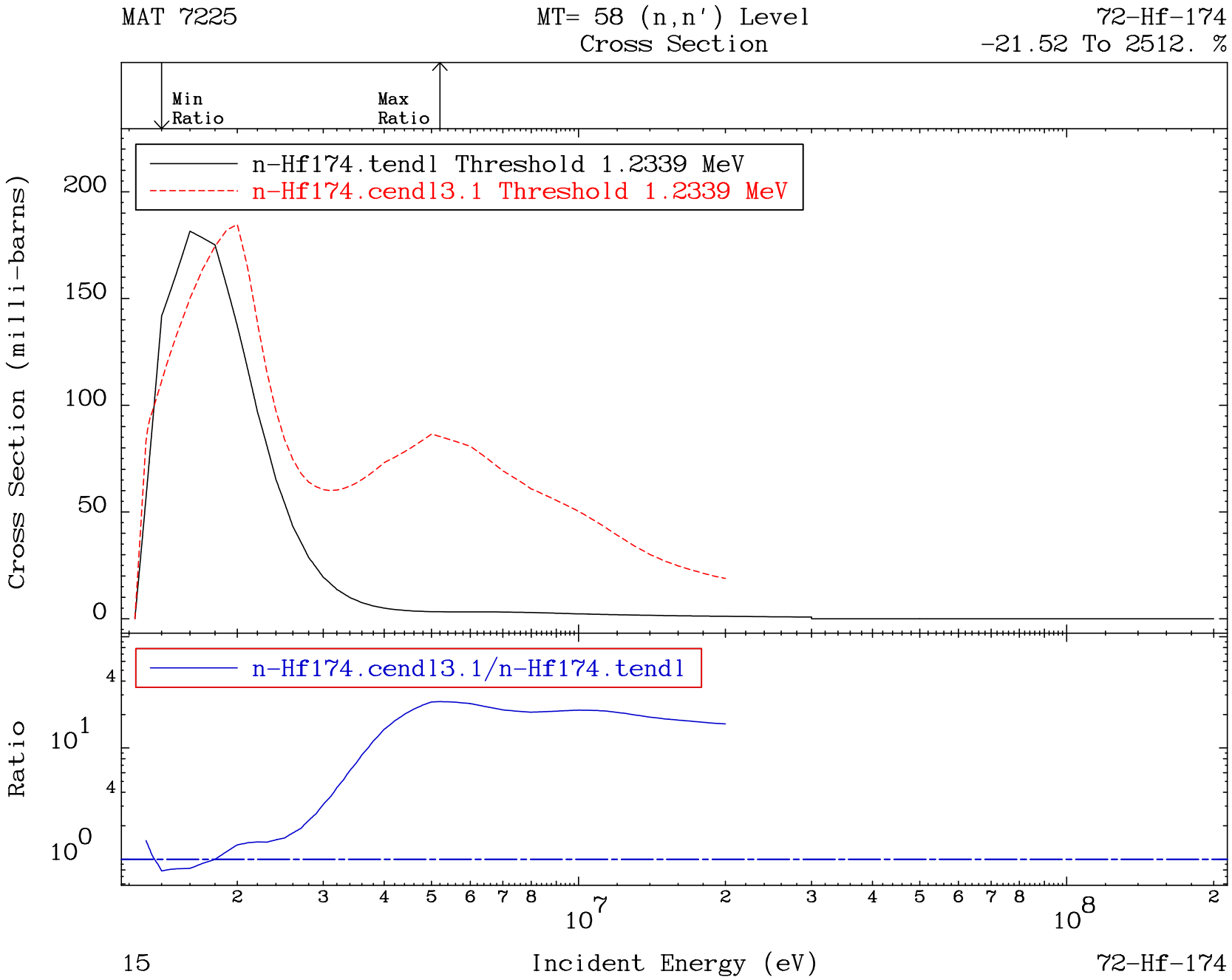

MAT 7225
MT= 53 (n,n') Level
Cross Section
72-Hf-174
-96.47 To 36.96 %
Max
Ratio
Min
Ratio
n-Hf174.tendl Threshold 611.79 keV
n-Hf174.cendl3.1 Threshold 625.00 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
4
4
4
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
72-Hf-174

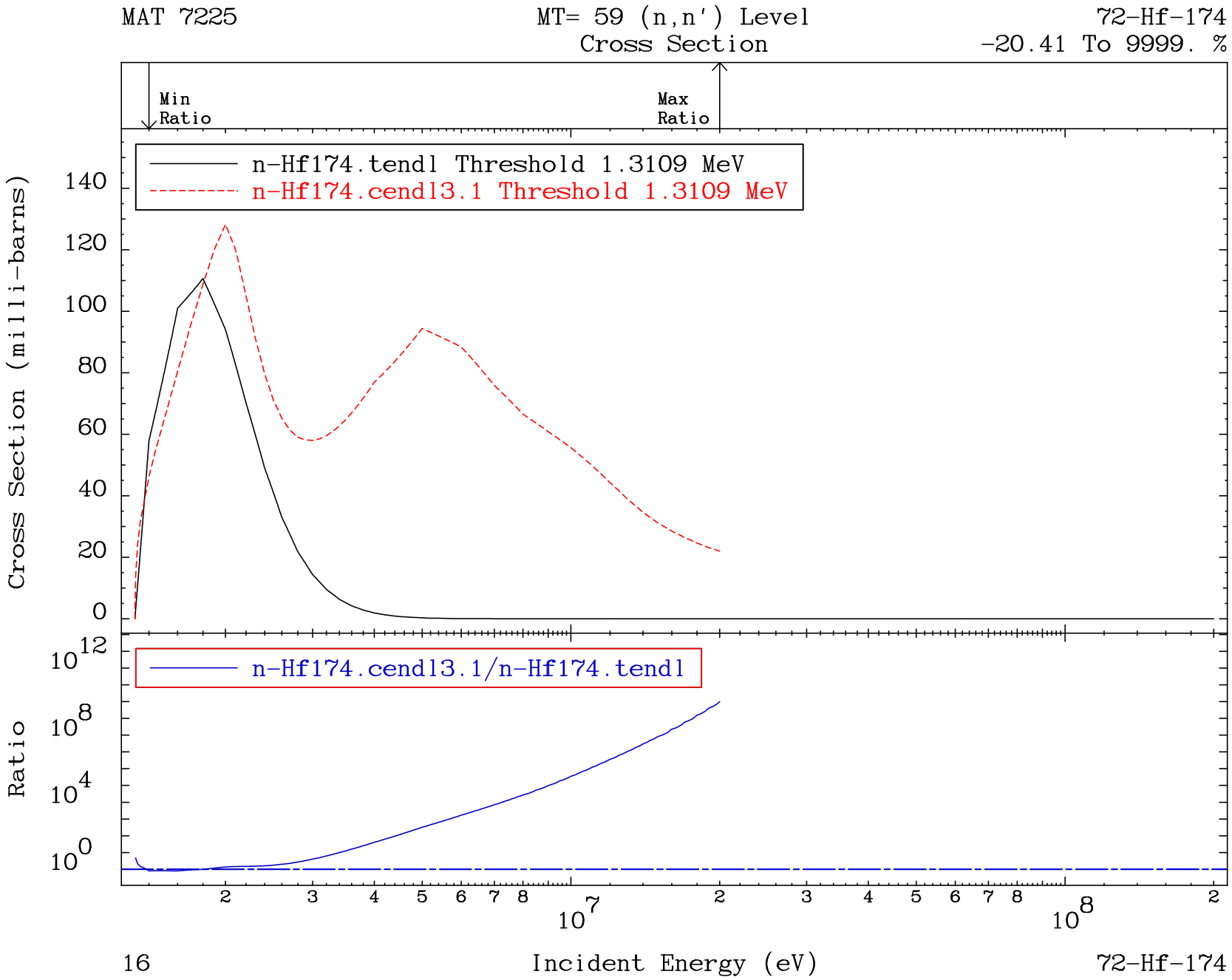

MAT 7225
MT= 54 (n,n') Level
Cross Section
72-Hf-174
-32.38 To 9999. %
Min
Ratio
Max
Ratio
n-Hf174.tendl Threshold 832.93 keV
n-Hf174.cendl3.1 Threshold 832.93 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
72-Hf-174

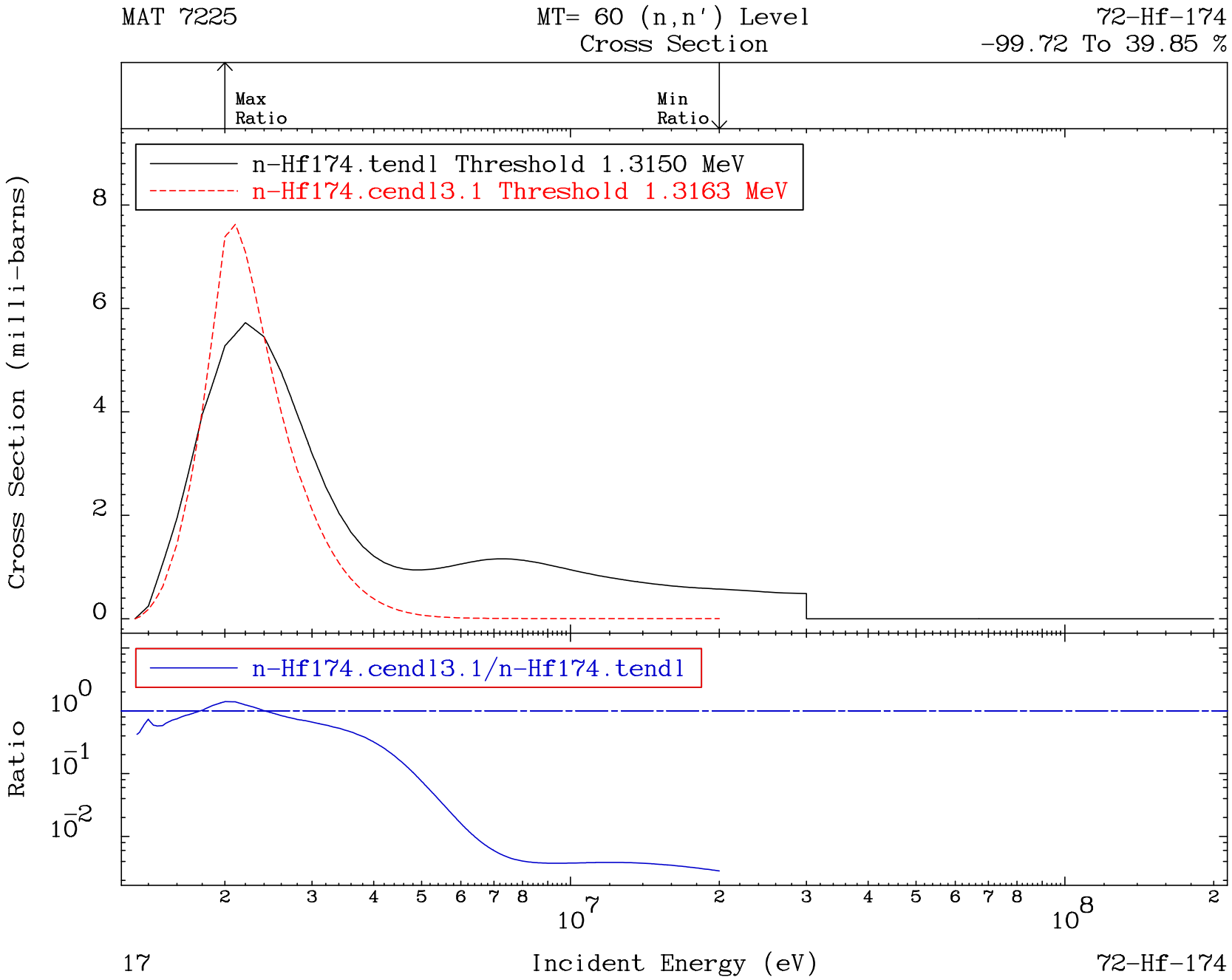

MAT 7225
MT= 55 (n,n') Level
Cross Section
72-Hf-174
-24.26 To 2398. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 905.46 keV
n-Hf174.cendl3.1 Threshold 905.46 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
4
10^1
4
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
72-Hf-174

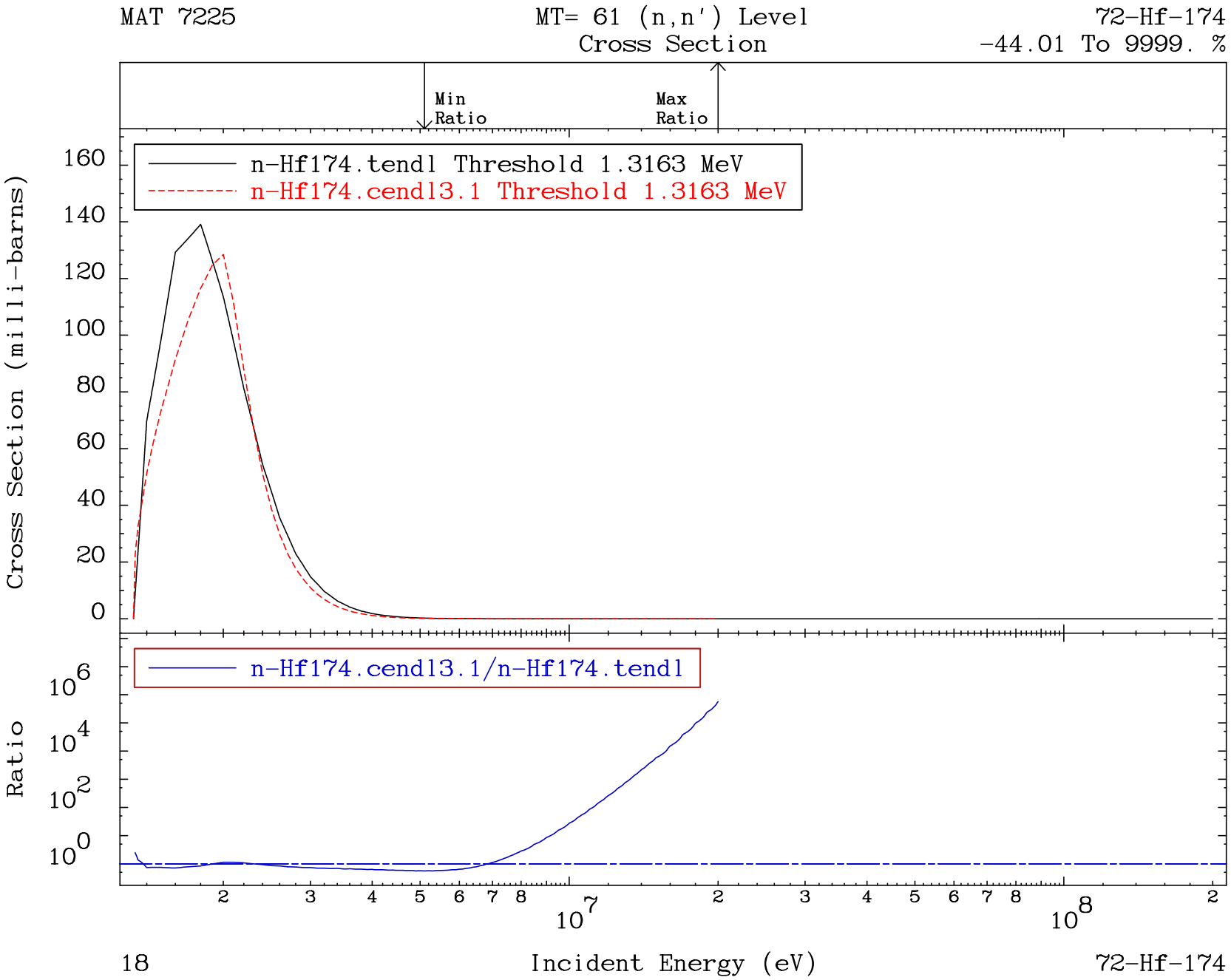

MAT 7225
MT= 56 (n,n') Level
Cross Section
72-Hf-174
-99.30 To 73.08 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.0155 MeV
n-Hf174.cendl3.1 Threshold 1.0684 MeV
Cross Section (micro-barns)
800
600
400
200
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
10^6
10^7
10^8
13
Incident Energy (eV)
72-Hf-174

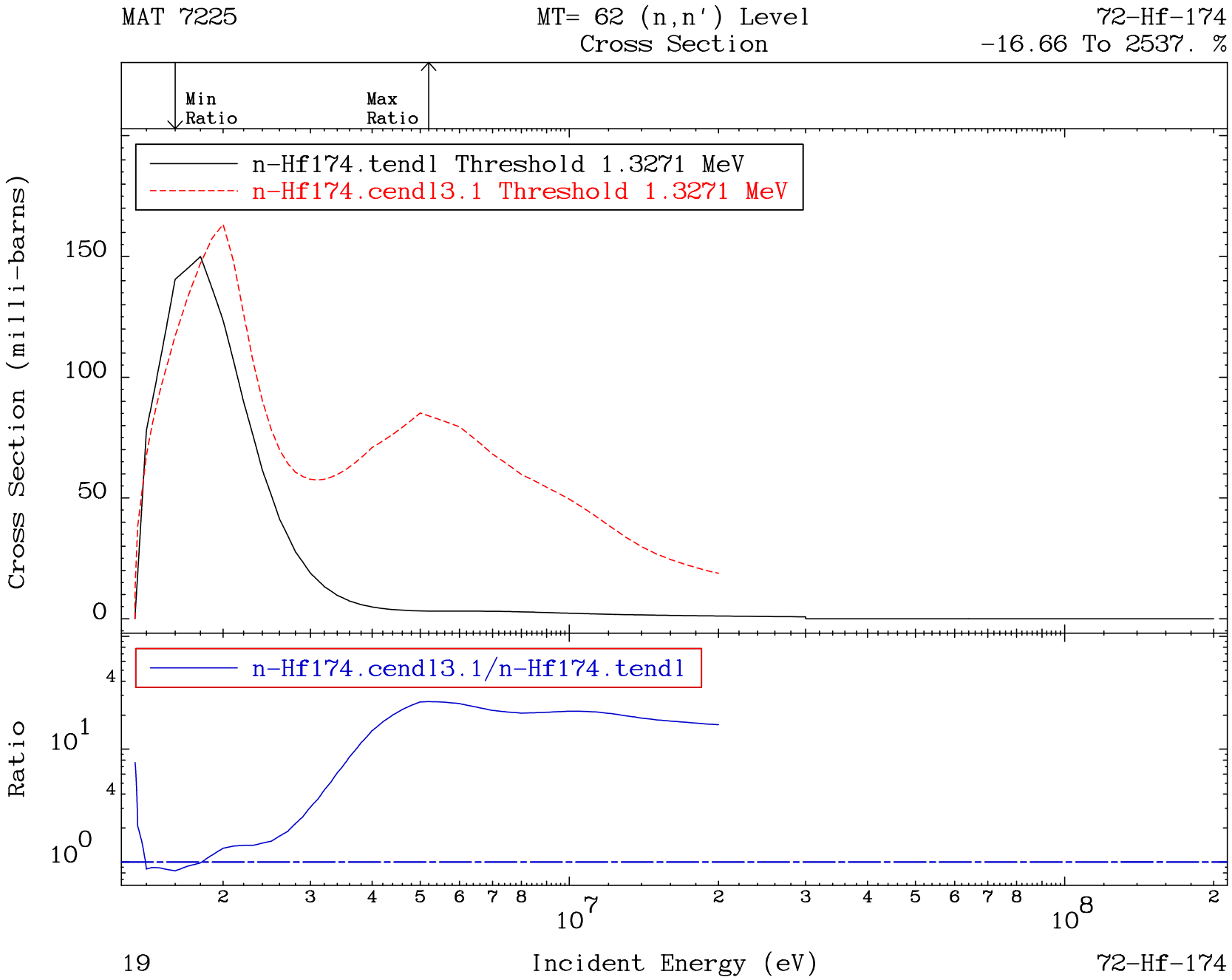

MAT 7225
MT= 57 (n,n') Level
Cross Section
72-Hf-174
-99.56 To 18.49 %
Max
Ratio
Min
Ratio
n-Hf174.tendl Threshold 1.0683 MeV
n-Hf174.cendl3.1 Threshold 1.0683 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
10^8
14
Incident Energy (eV)
72-Hf-174

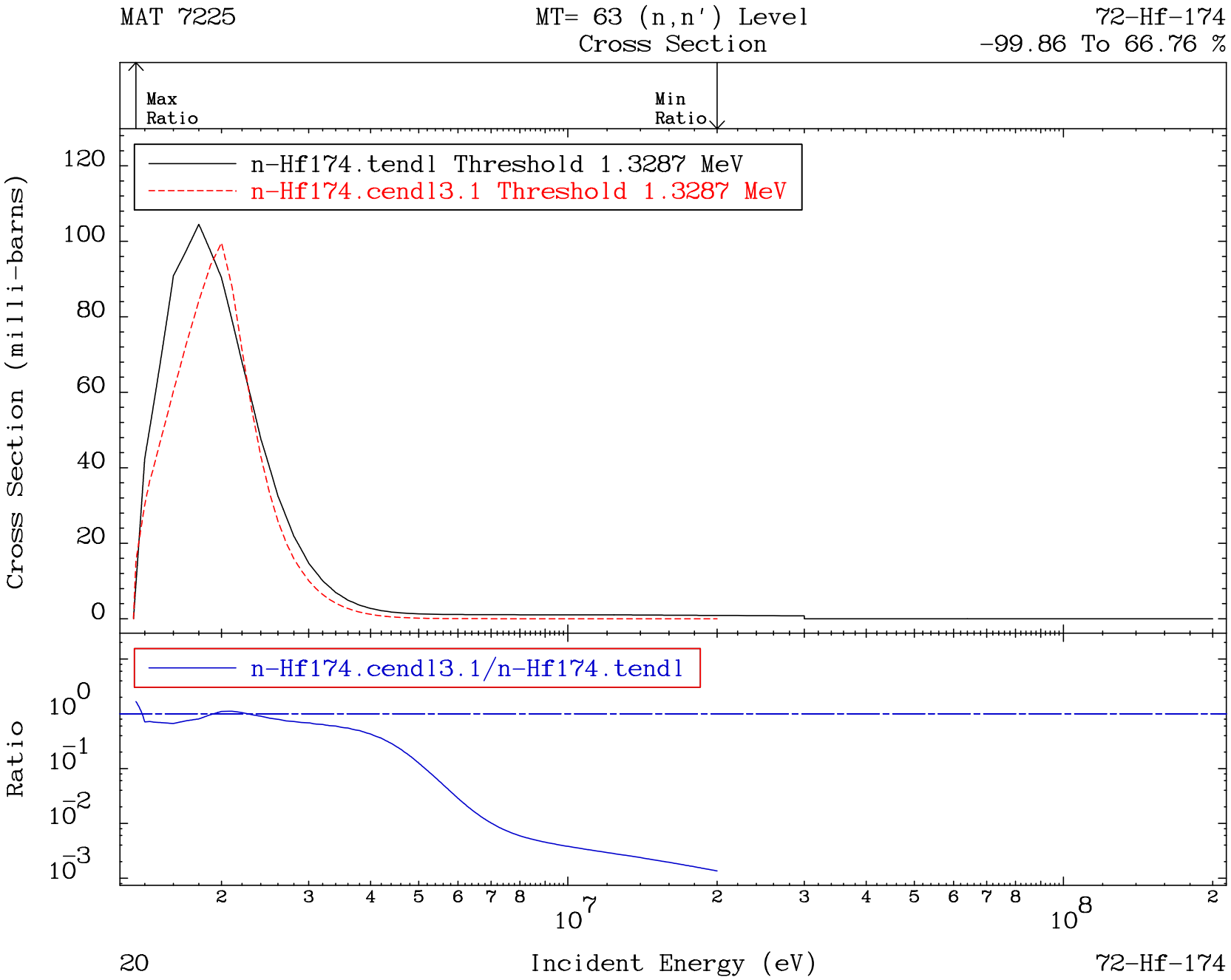

MAT 7225
MT= 58 (n,n') Level
Cross Section
72-Hf-174
-21.52 To 2512. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 1.2339 MeV
n-Hf174.cendl3.1 Threshold 1.2339 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
4
10^1
4
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
72-Hf-174

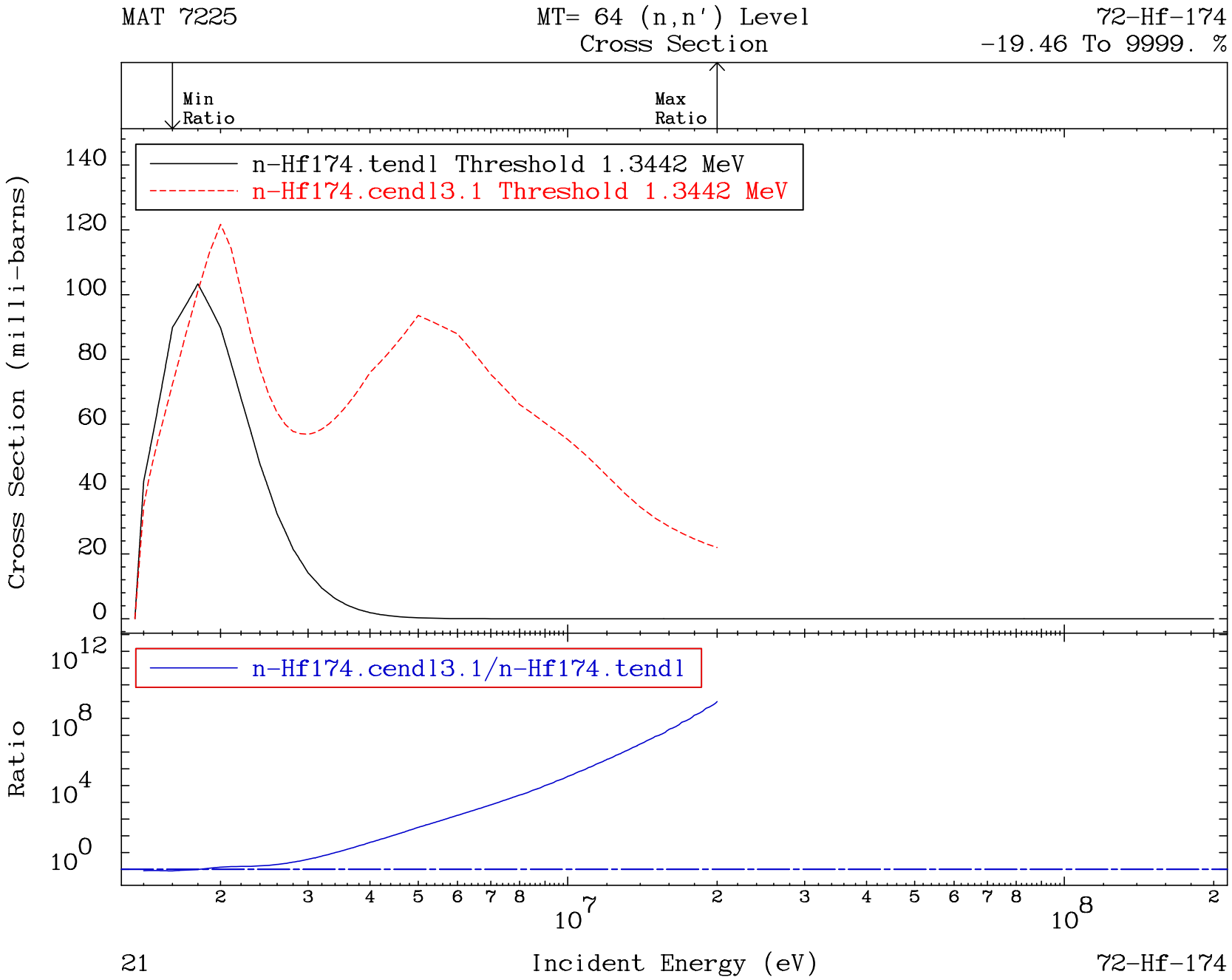

MAT 7225
MT= 59 (n,n') Level
Cross Section
72-Hf-174
-20.41 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 1.3109 MeV
n-Hf174.cendl3.1 Threshold 1.3109 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
72-Hf-174

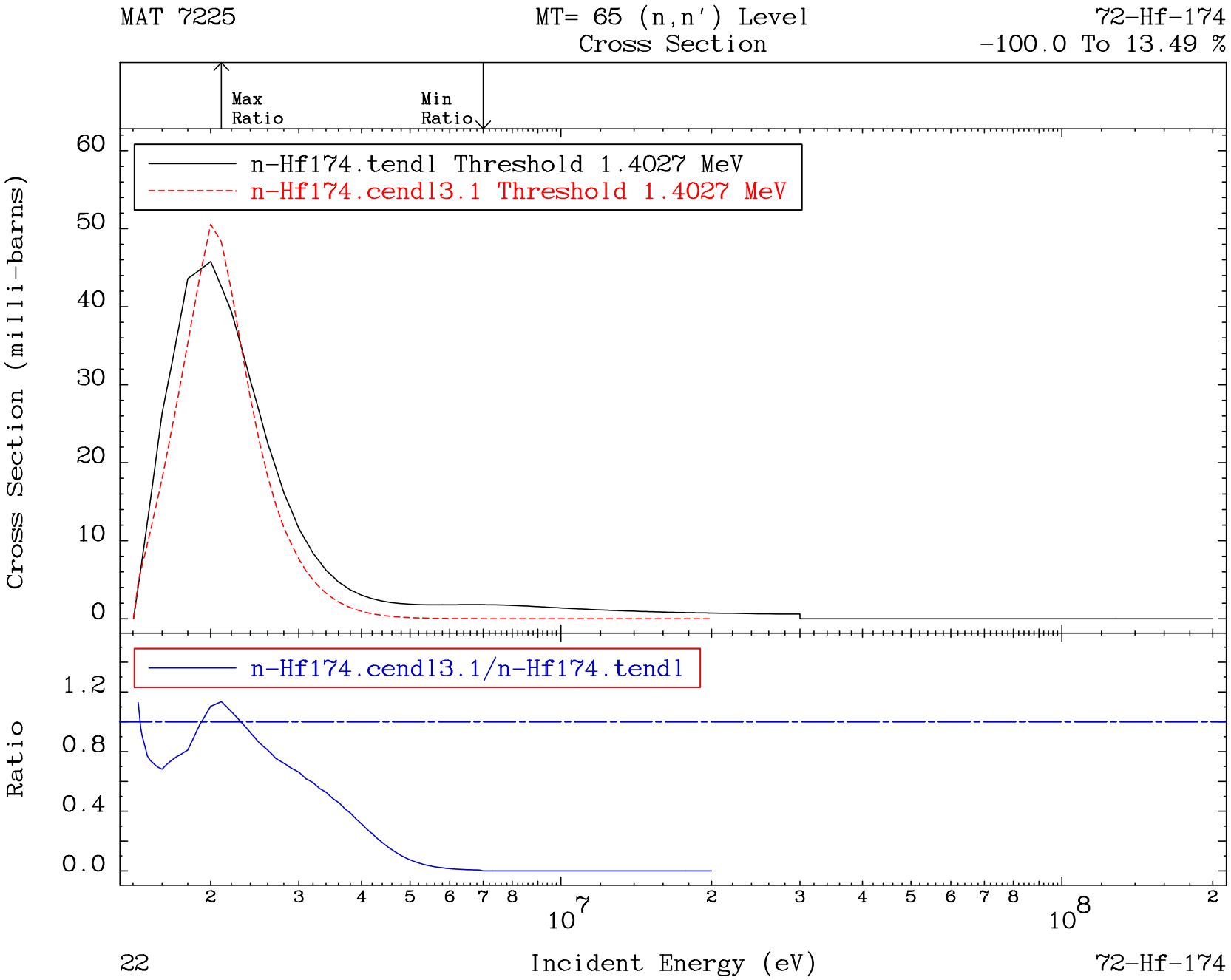

MAT 7225
MT= 60 (n,n') Level
Cross Section
72-Hf-174
-99.72 To 39.85 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.3150 MeV
n-Hf174.cendl3.1 Threshold 1.3163 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
72-Hf-174

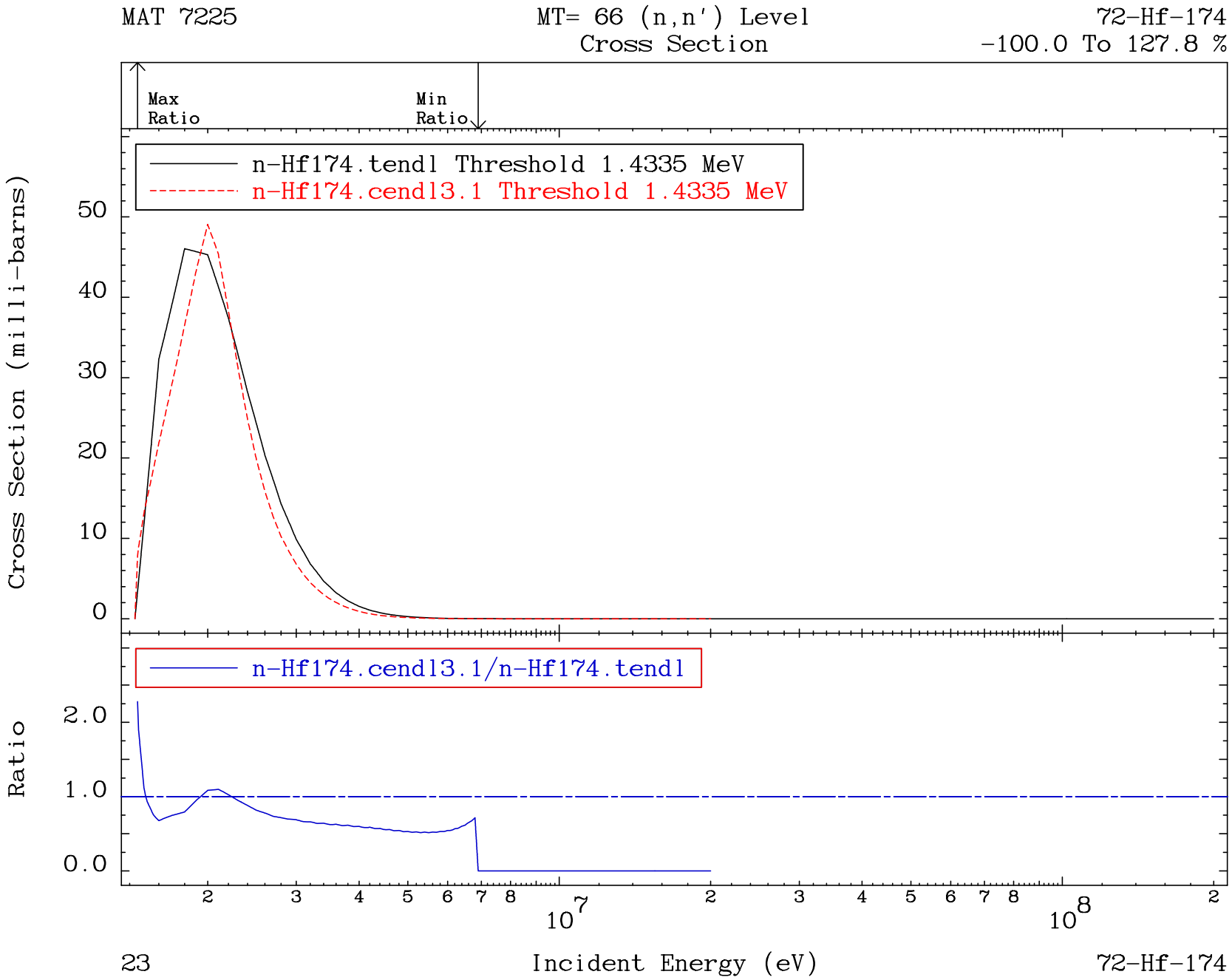

MAT 7225
MT= 61 (n,n') Level
Cross Section
72-Hf-174
-44.01 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 1.3163 MeV
n-Hf174.cendl3.1 Threshold 1.3163 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
72-Hf-174

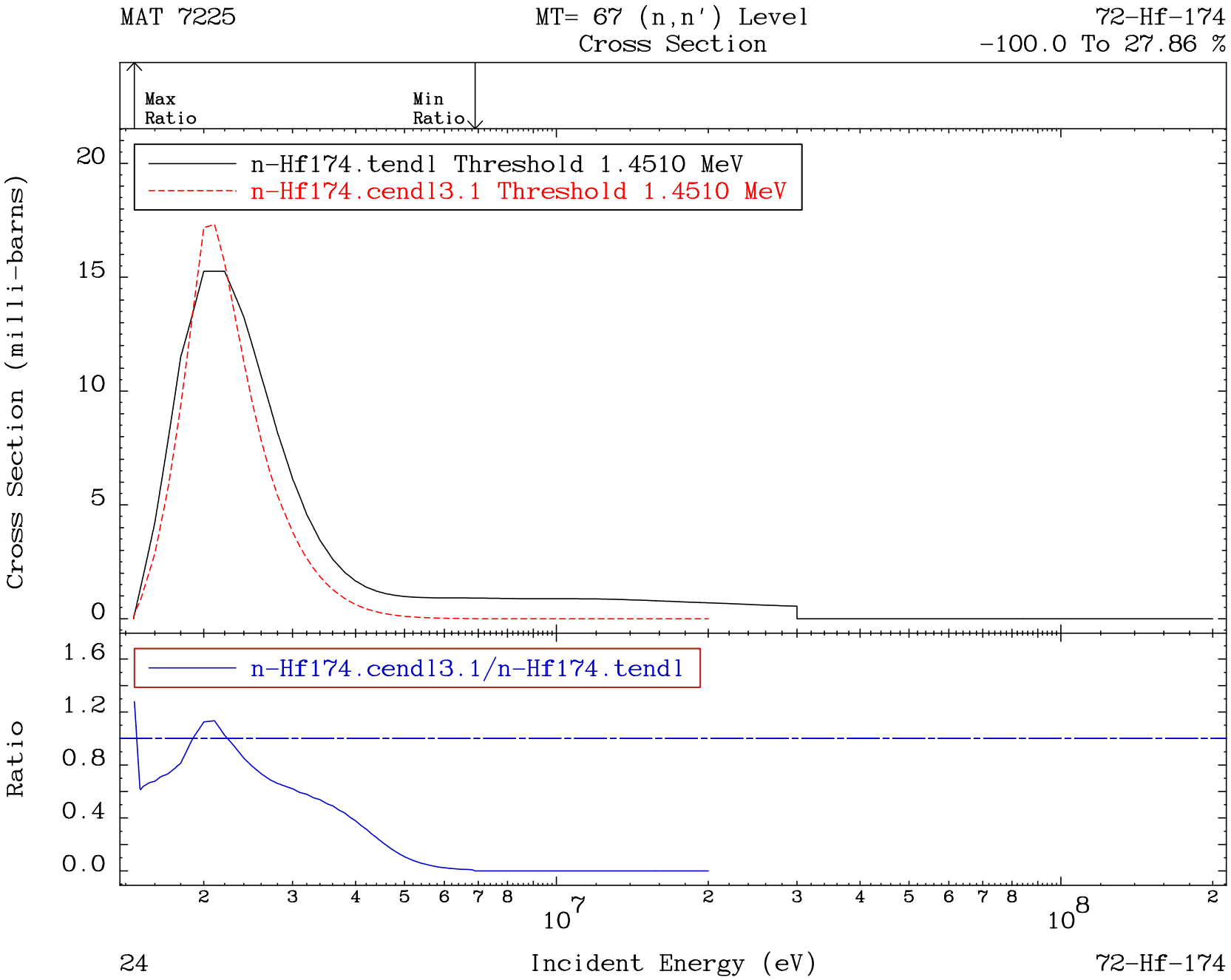

MAT 7225
MT= 62 (n,n') Level
Cross Section
72-Hf-174
-16.66 To 2537. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 1.3271 MeV
n-Hf174.cendl3.1 Threshold 1.3271 MeV
Cross Section (milli-barns)
150
100
50
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
4
10^1
4
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
72-Hf-174

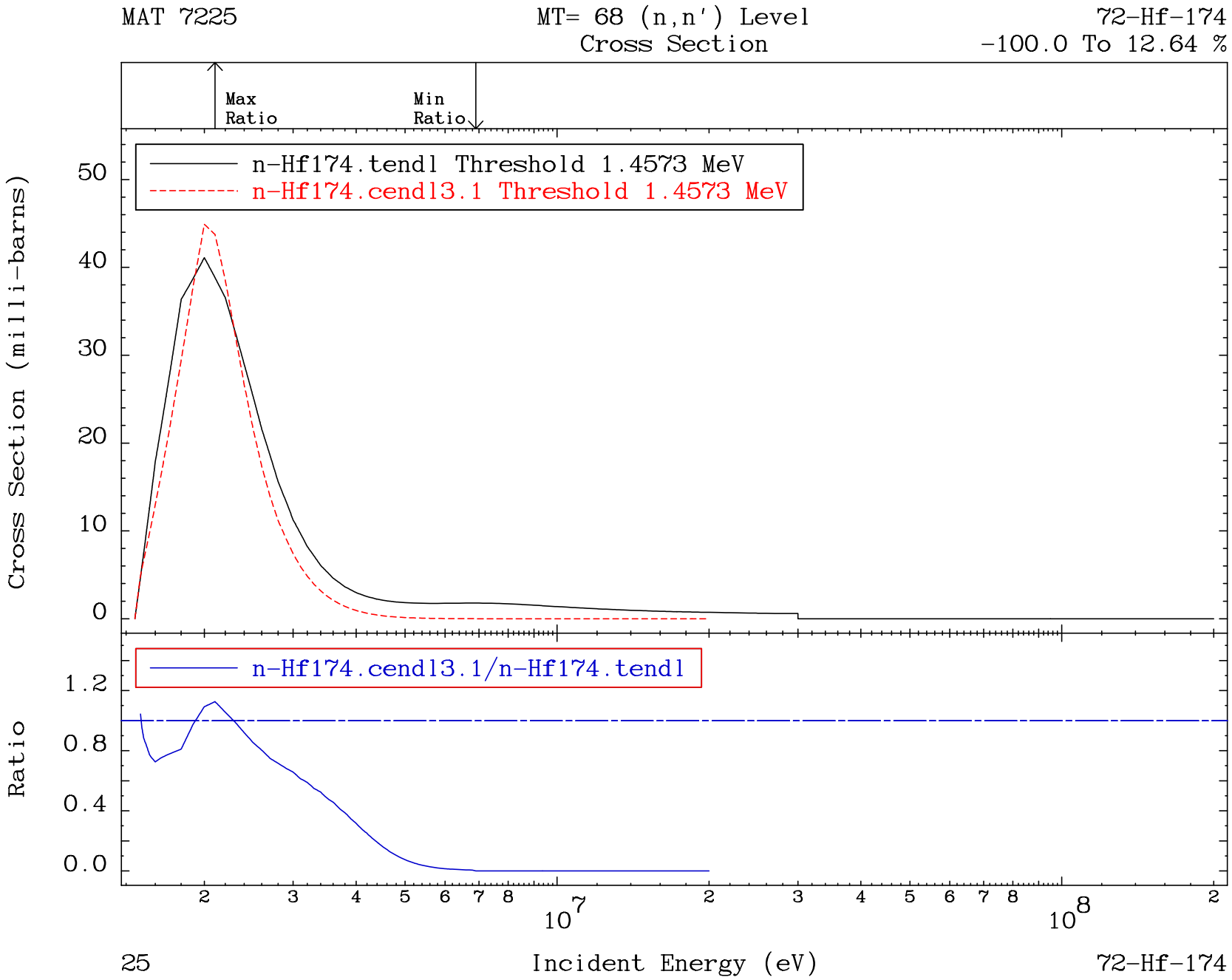

MAT 7225
MT= 63 (n,n') Level
Cross Section
72-Hf-174
-99.86 To 66.76 %
Max
Ratio
Min
Ratio
n-Hf174.tendl Threshold 1.3287 MeV
n-Hf174.cendl3.1 Threshold 1.3287 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
10^8
20
Incident Energy (eV)
72-Hf-174

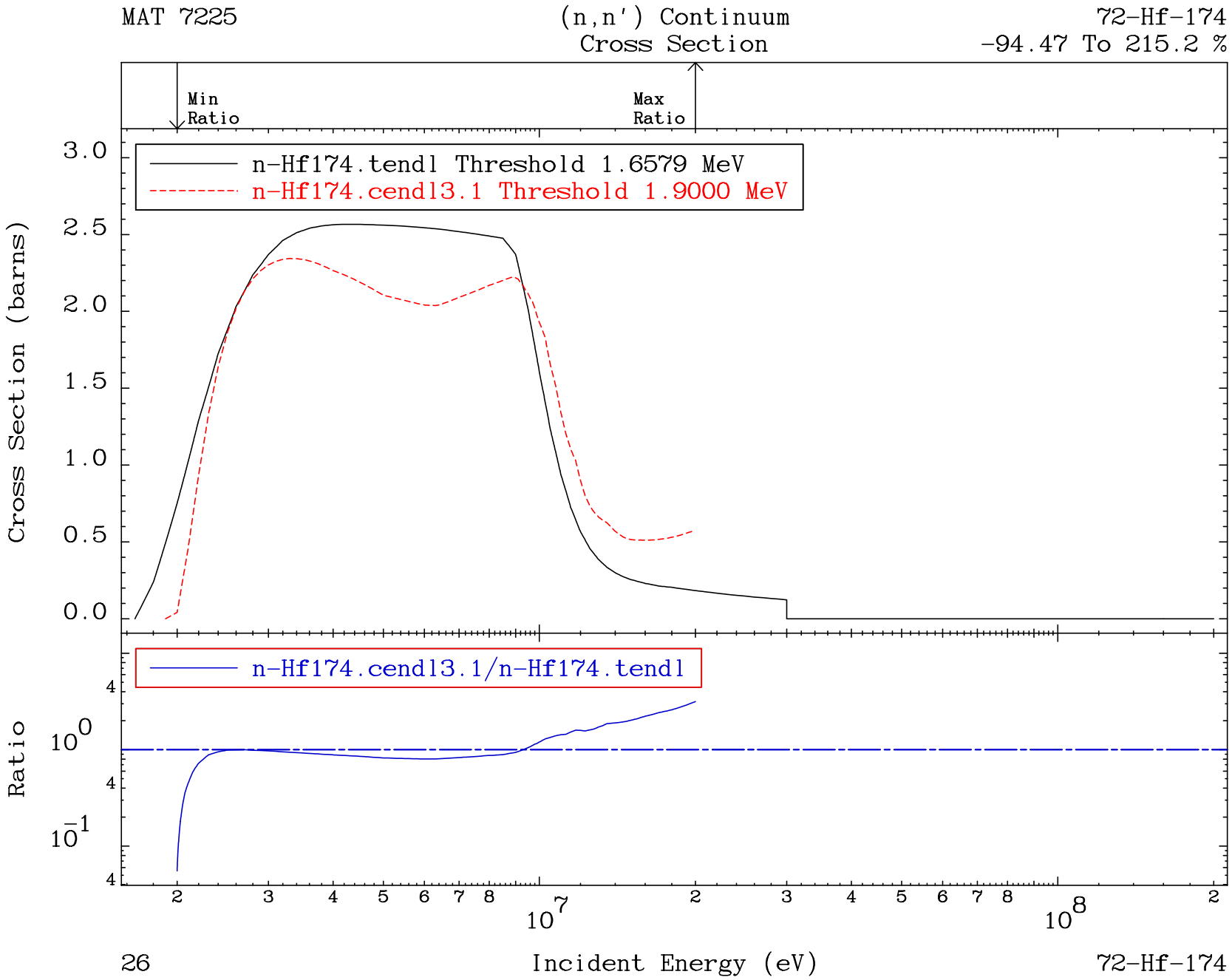

MAT 7225
MT= 64 (n,n') Level
Cross Section
72-Hf-174
-19.46 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 1.3442 MeV
n-Hf174.cendl3.1 Threshold 1.3442 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
72-Hf-174

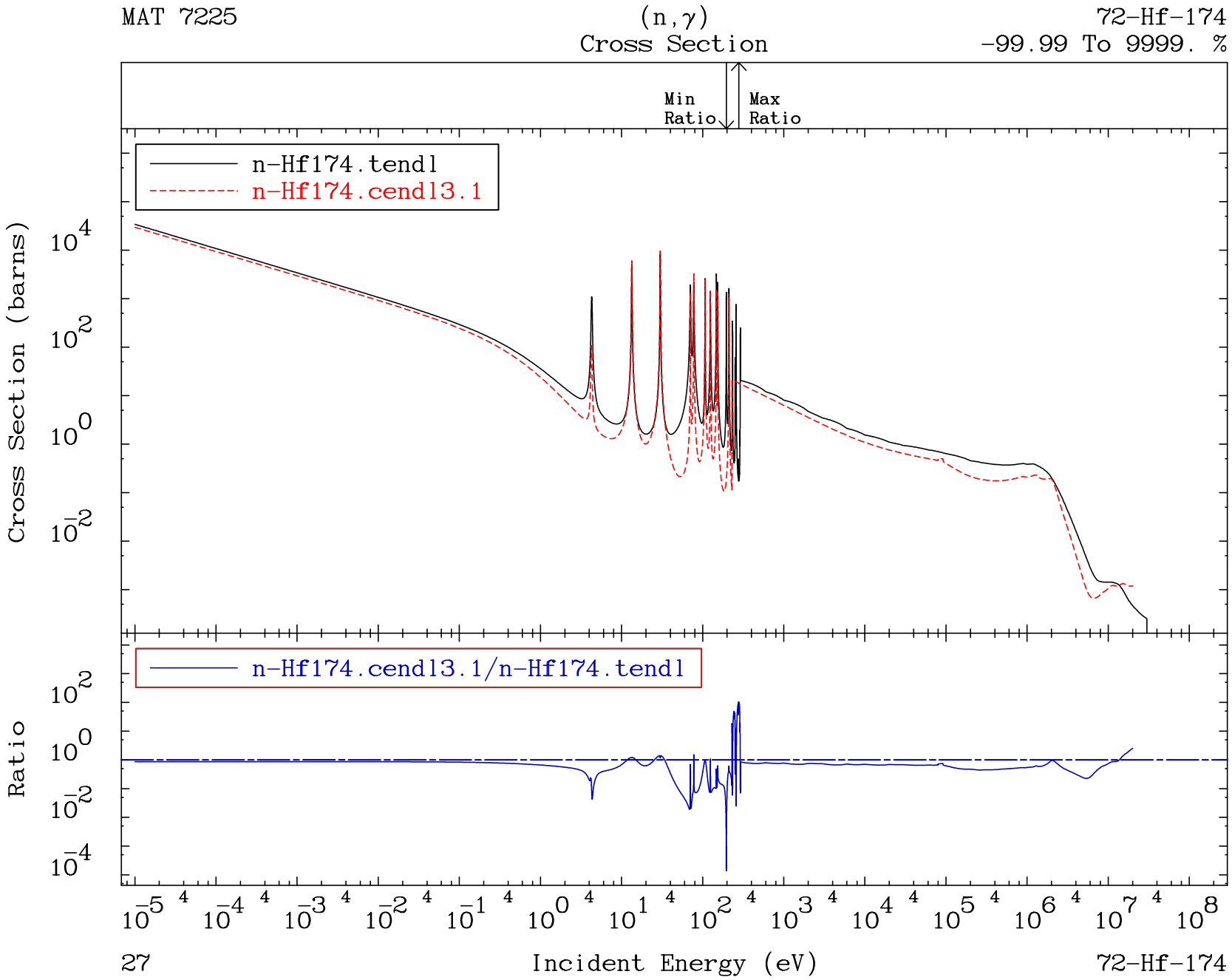

MAT 7225
MT= 65 (n,n') Level
Cross Section
72-Hf-174
-100.0 To 13.49 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.4027 MeV
n-Hf174.cendl3.1 Threshold 1.4027 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
72-Hf-174

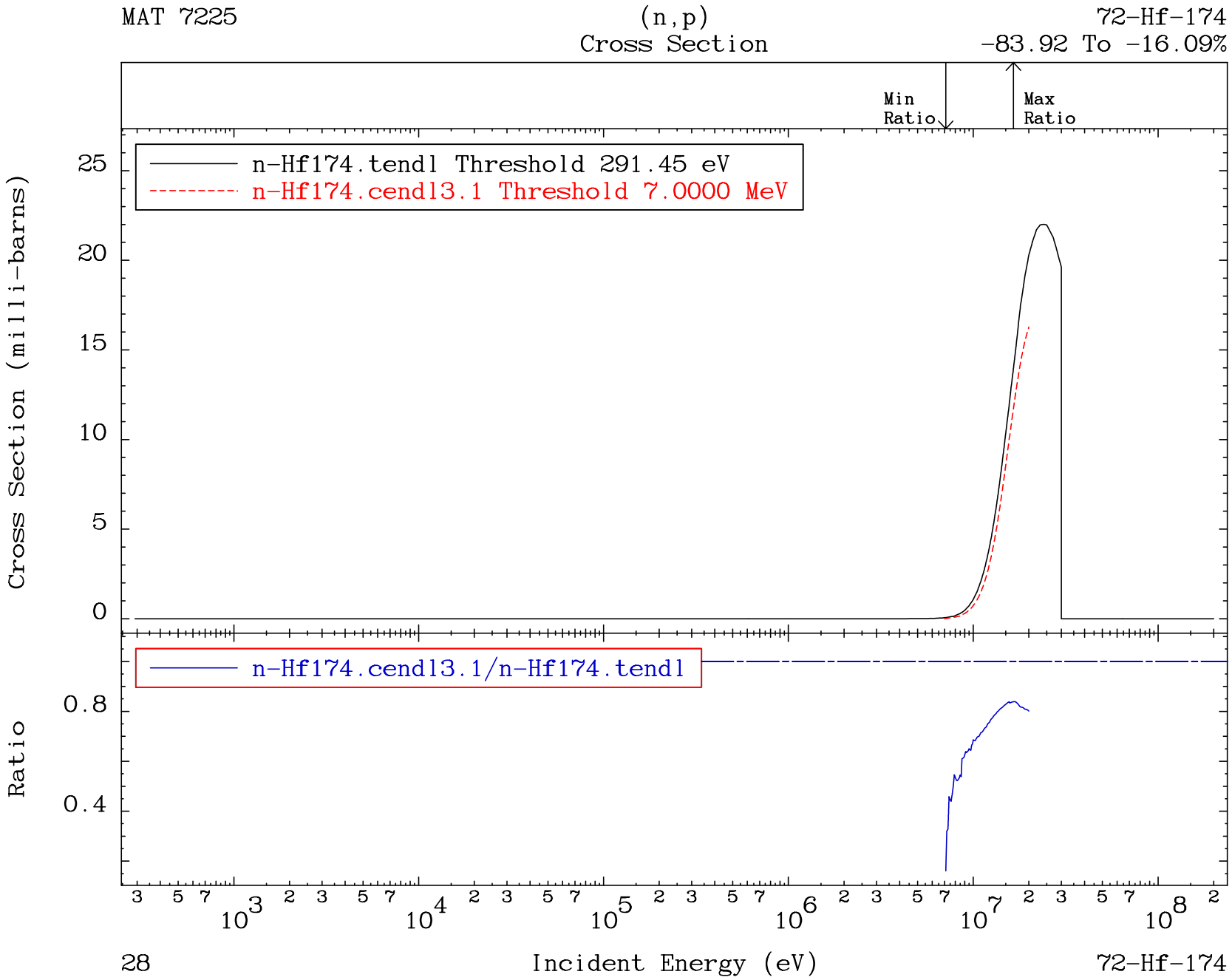

MAT 7225
MT= 66 (n,n') Level
Cross Section
72-Hf-174
-100.0 To 127.8 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.4335 MeV
n-Hf174.cendl3.1 Threshold 1.4335 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
72-Hf-174

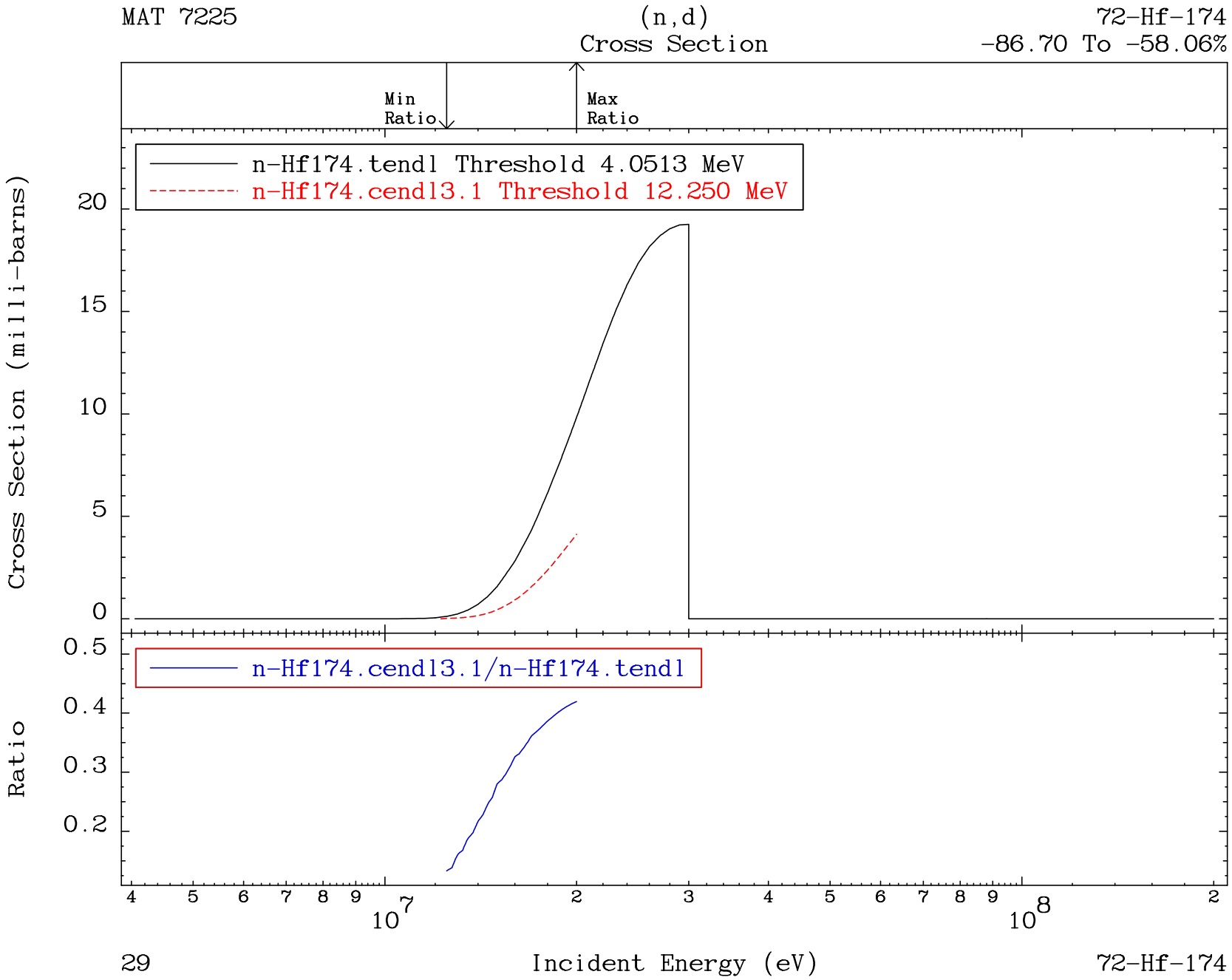

MAT 7225
MT= 67 (n,n') Level
Cross Section
72-Hf-174
-100.0 To 27.86 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.4510 MeV
n-Hf174.cendl3.1 Threshold 1.4510 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.6
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
72-Hf-174

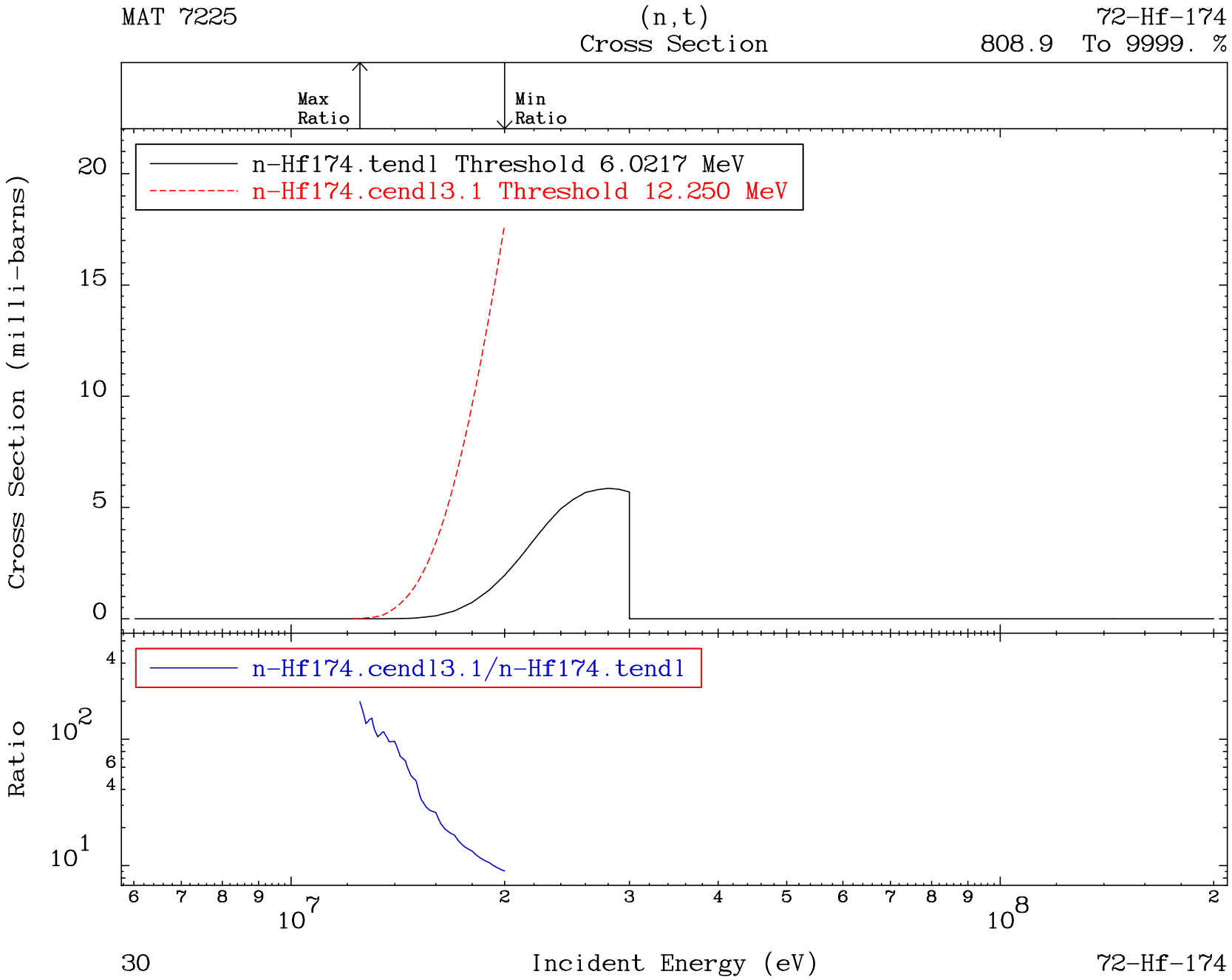

MAT 7225
MT= 68 (n,n') Level
Cross Section
72-Hf-174
-100.0 To 12.64 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.4573 MeV
n-Hf174.cendl3.1 Threshold 1.4573 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
72-Hf-174

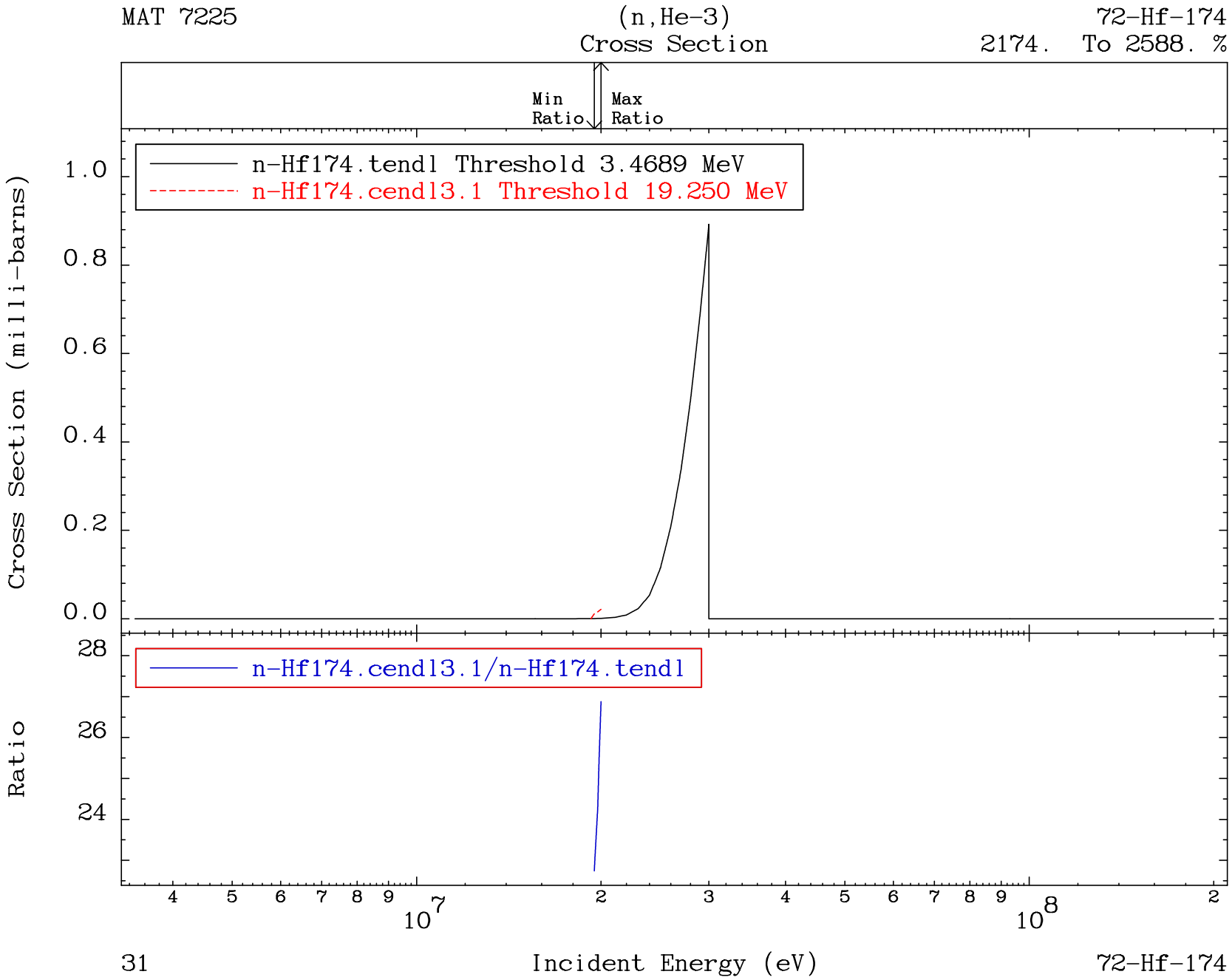

MAT 7225
(n,n') Continuum
Cross Section
72-Hf-174
-94.47 To 215.2 %
Min
Ratio
Max
Ratio
n-Hf174.tendl Threshold 1.6579 MeV
n-Hf174.cendl3.1 Threshold 1.9000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
72-Hf-174

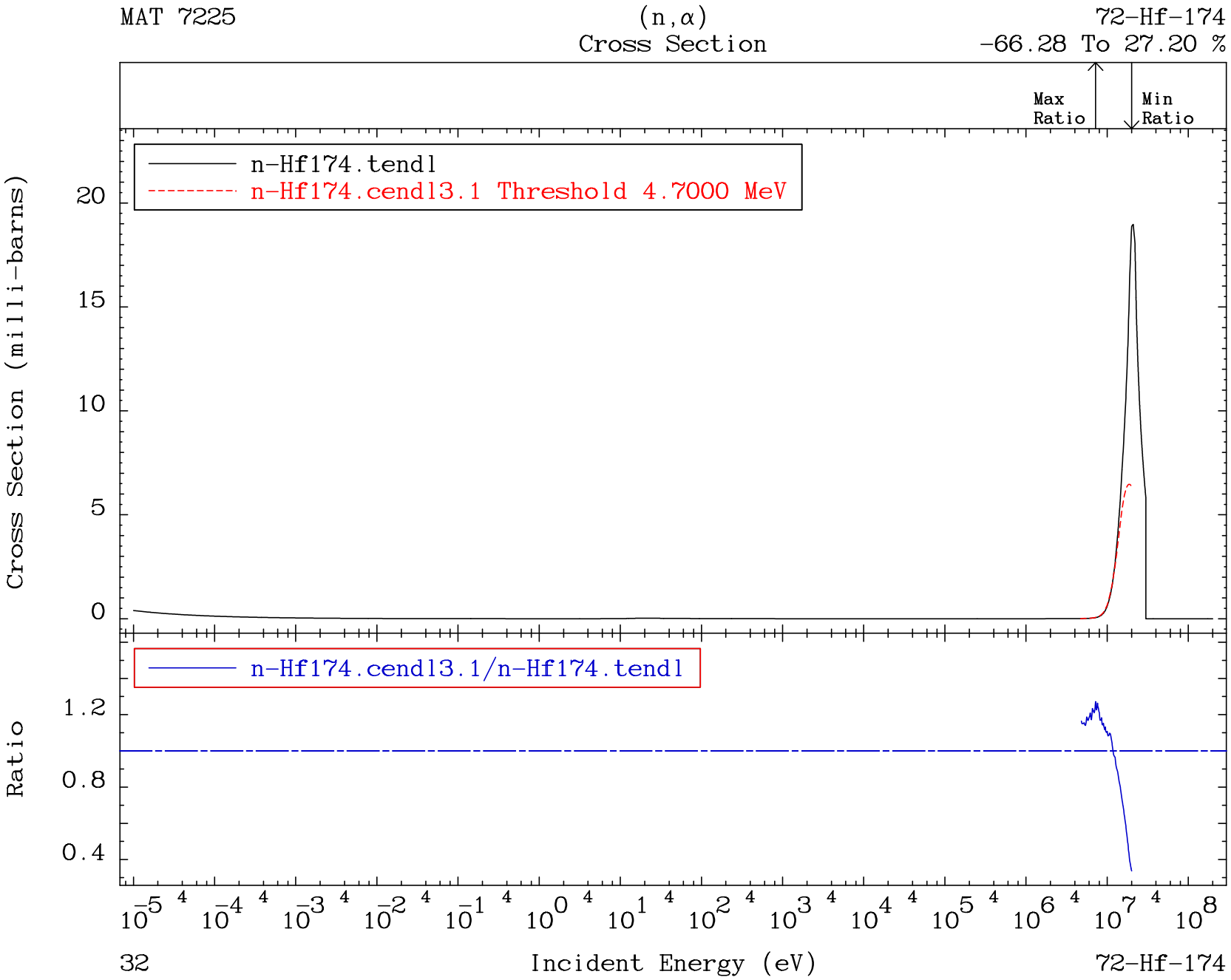

MAT 7225
(n,γ)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
27
72-Hf-174

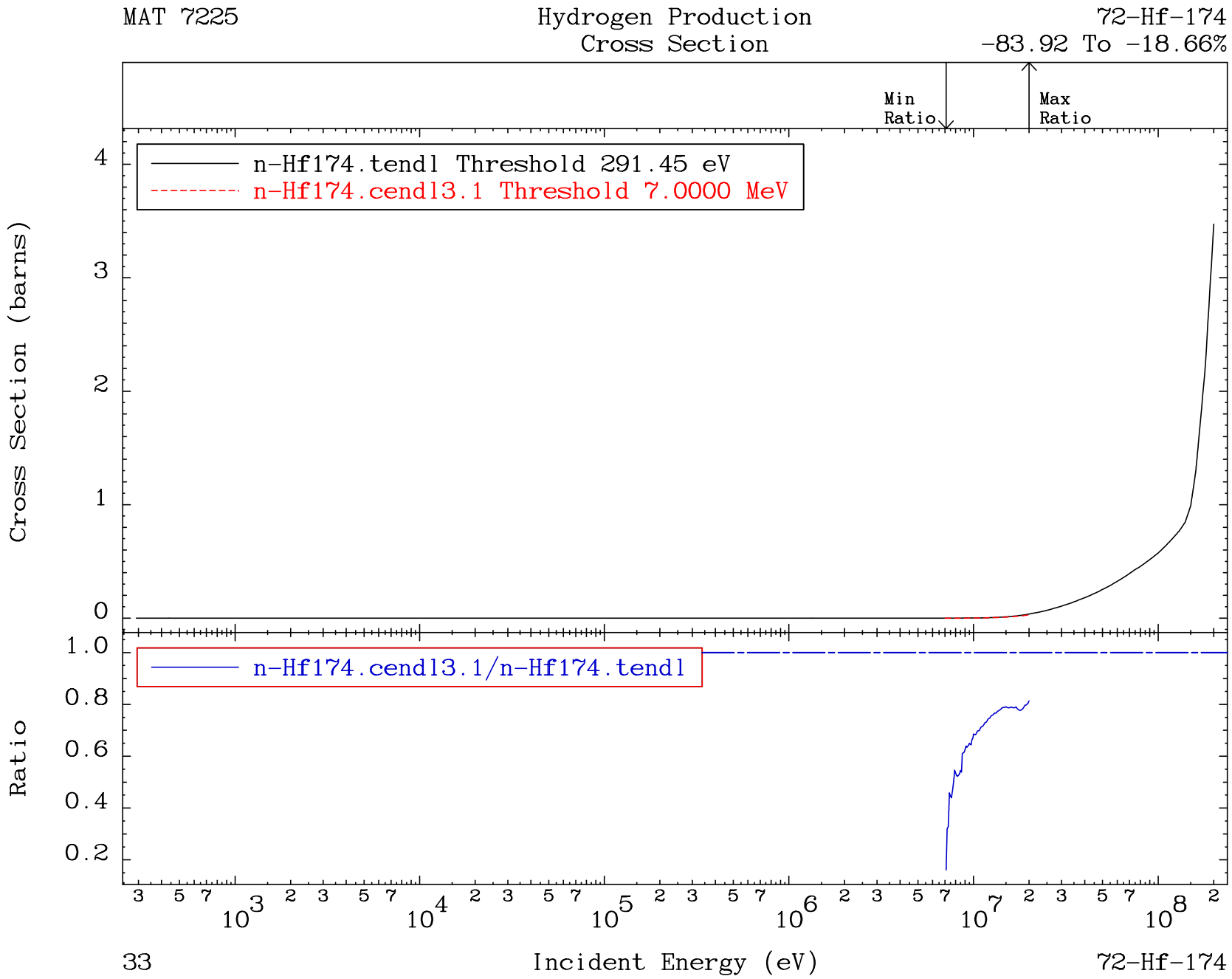

MAT 7225
(n,p)
Cross Section
72-Hf-174
-83.92 To -16.09%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 291.45 eV
n-Hf174.cendl3.1 Threshold 7.0000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
0.8
0.4
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
28
Incident Energy (eV)
72-Hf-174

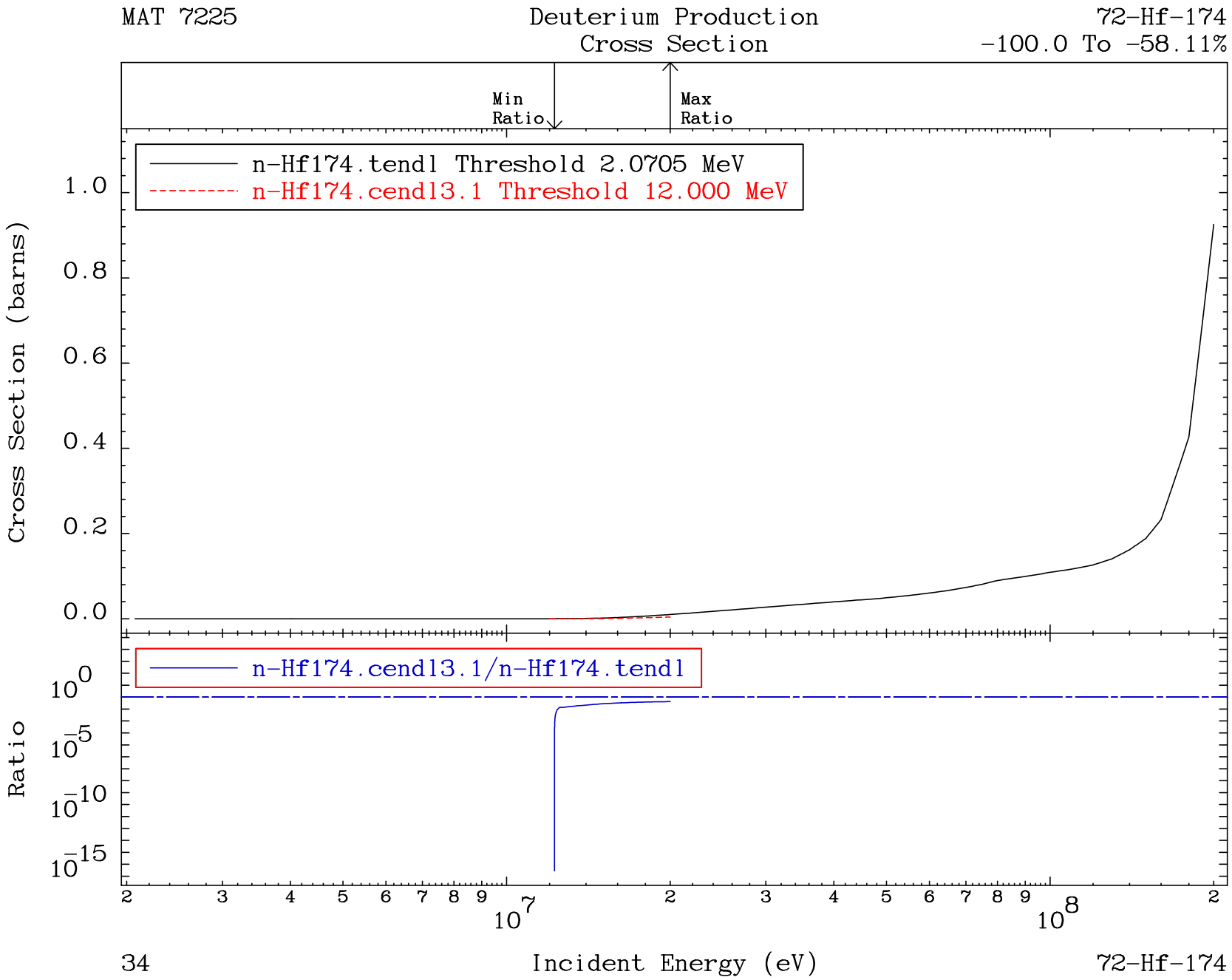

MAT 7225
(n,d)
Cross Section
72-Hf-174
-86.70 To -58.06%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 4.0513 MeV
n-Hf174.cendl3.1 Threshold 12.250 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
0.5
0.4
0.3
0.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
72-Hf-174

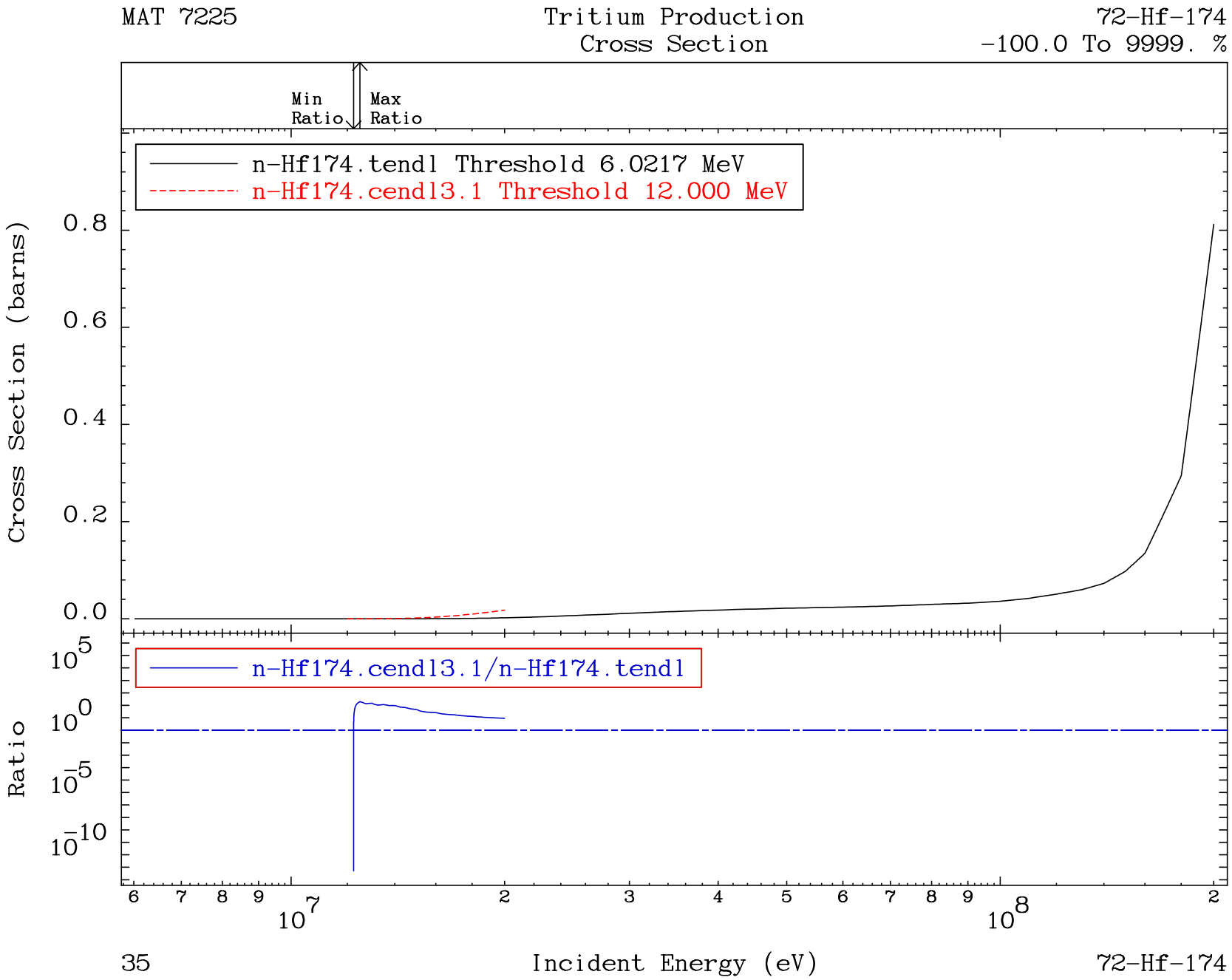

MAT 7225
(n,t)
Cross Section
72-Hf-174
808.9 To 9999. %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 6.0217 MeV
n-Hf174.cendl3.1 Threshold 12.250 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
4
10^2
6
4
10^1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
72-Hf-174

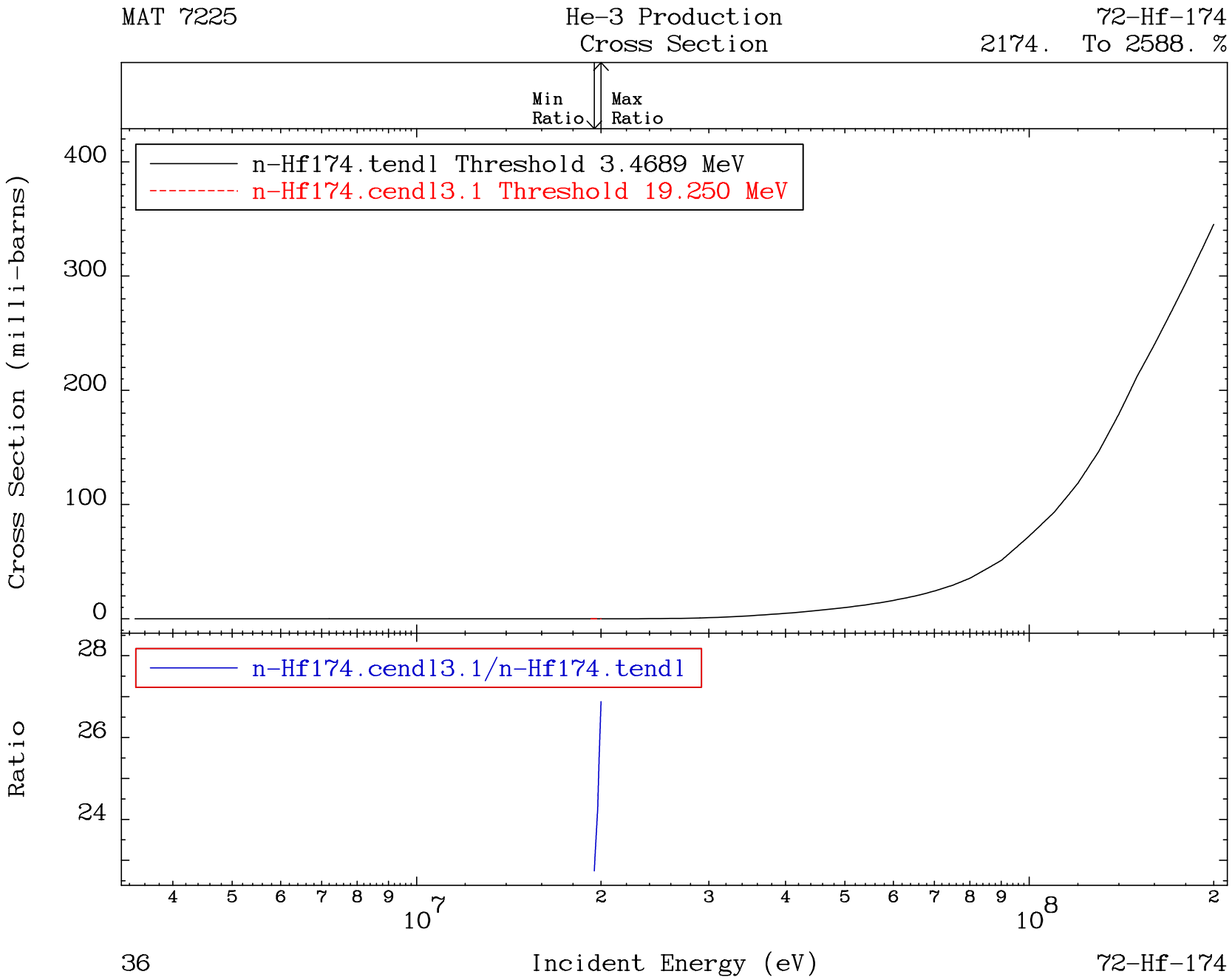

MAT 7225
(n,He-3)
Cross Section
72-Hf-174
2174. To 2588. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 3.4689 MeV
n-Hf174.cendl3.1 Threshold 19.250 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
28
26
24
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
72-Hf-174

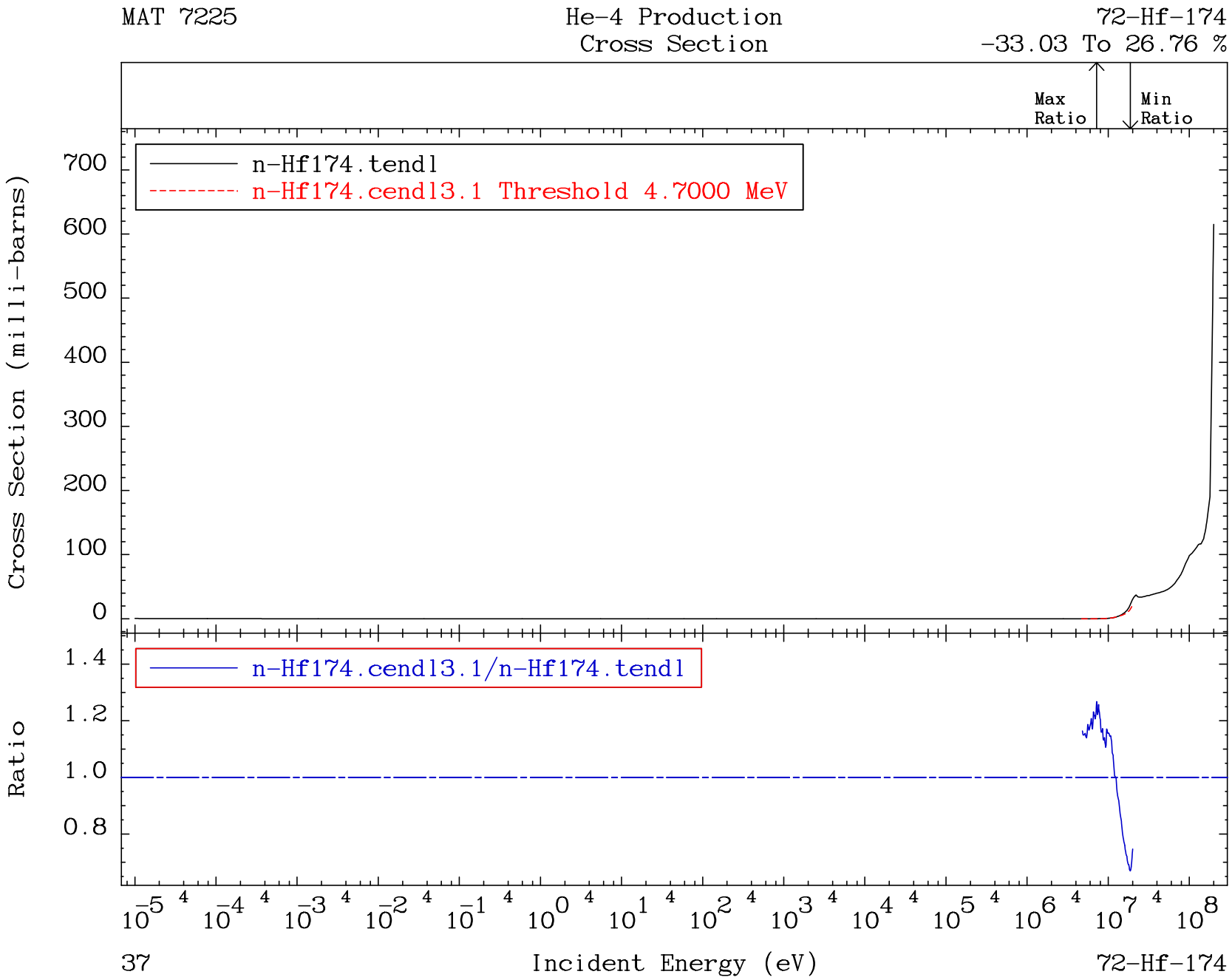

MAT 7225
(n,α)
Cross Section
72-Hf-174
-66.28 To 27.20 %
Max Ratio
Min Ratio
n-Hf174.tendl
n-Hf174.cendl3.1 Threshold 4.7000 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
32
Incident Energy (eV)
72-Hf-174

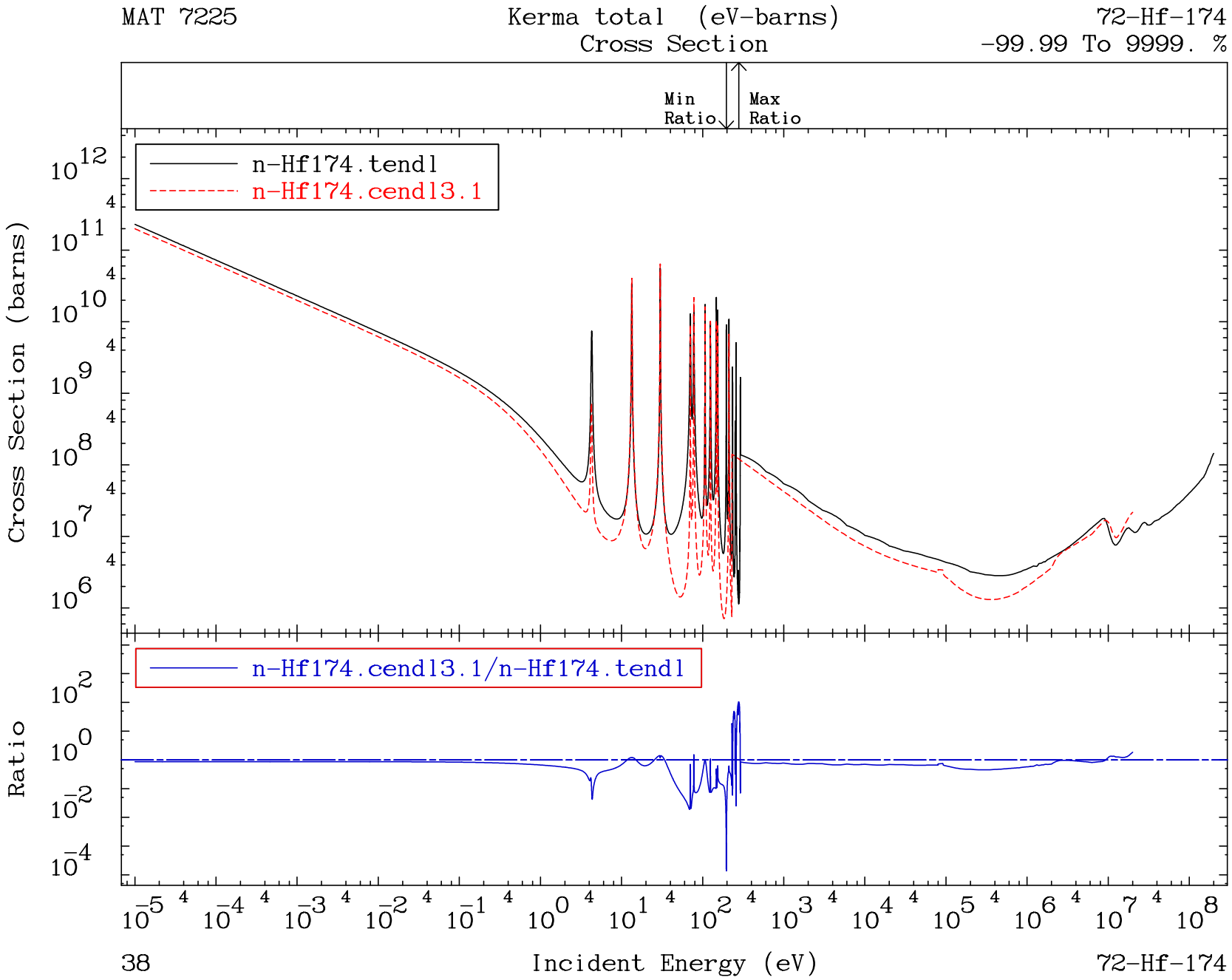

MAT 7225
Hydrogen Production
Cross Section
72-Hf-174
-83.92 To -18.66%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 291.45 eV
n-Hf174.cendl3.1 Threshold 7.0000 MeV
Cross Section (barns)
0
1
2
3
4
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.0
0.8
0.6
0.4
0.2
3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
33
Incident Energy (eV)
72-Hf-174

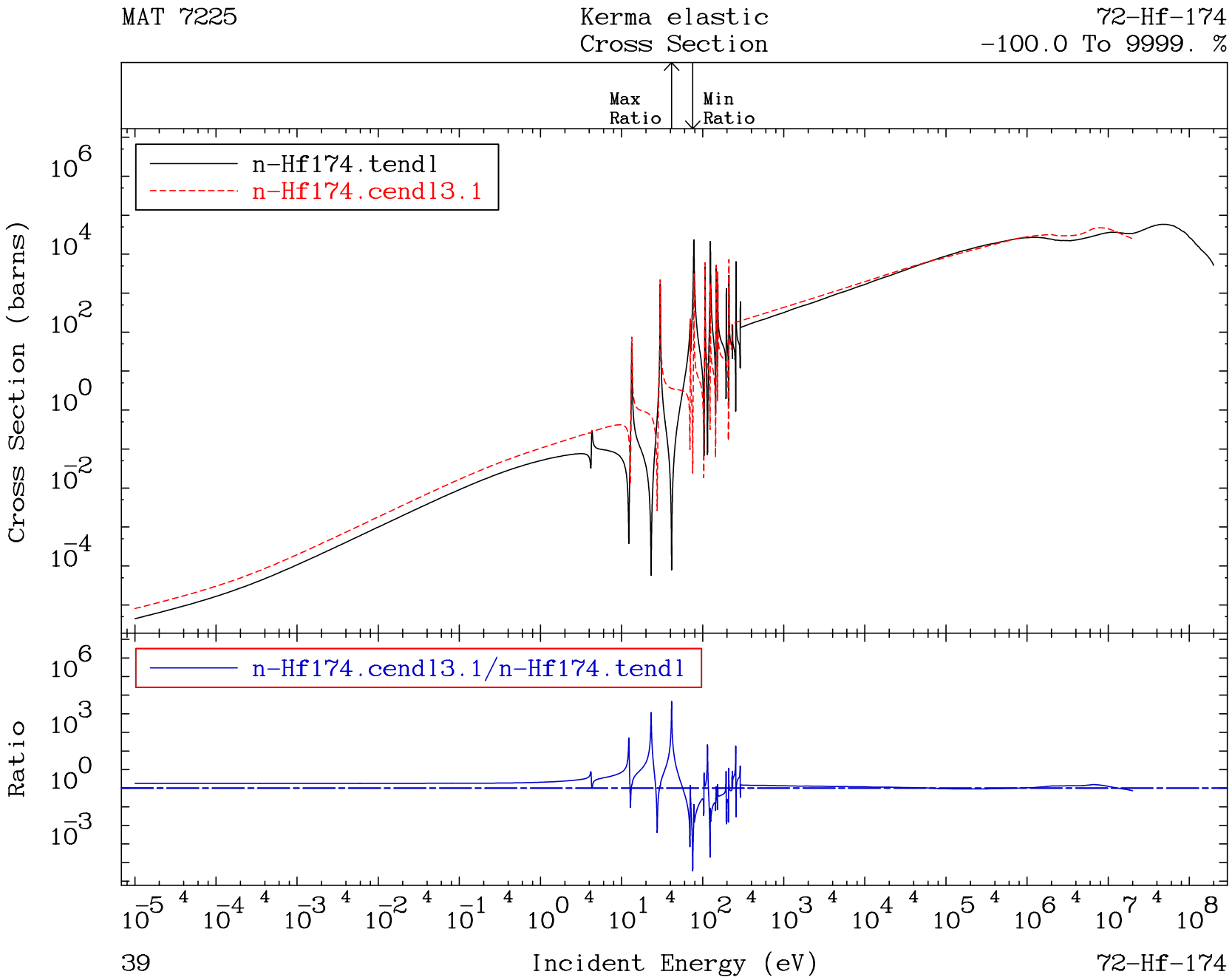

MAT 7225
Deuterium Production
Cross Section
72-Hf-174
-100.0 To -58.11%
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 2.0705 MeV
n-Hf174.cendl3.1 Threshold 12.000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
72-Hf-174

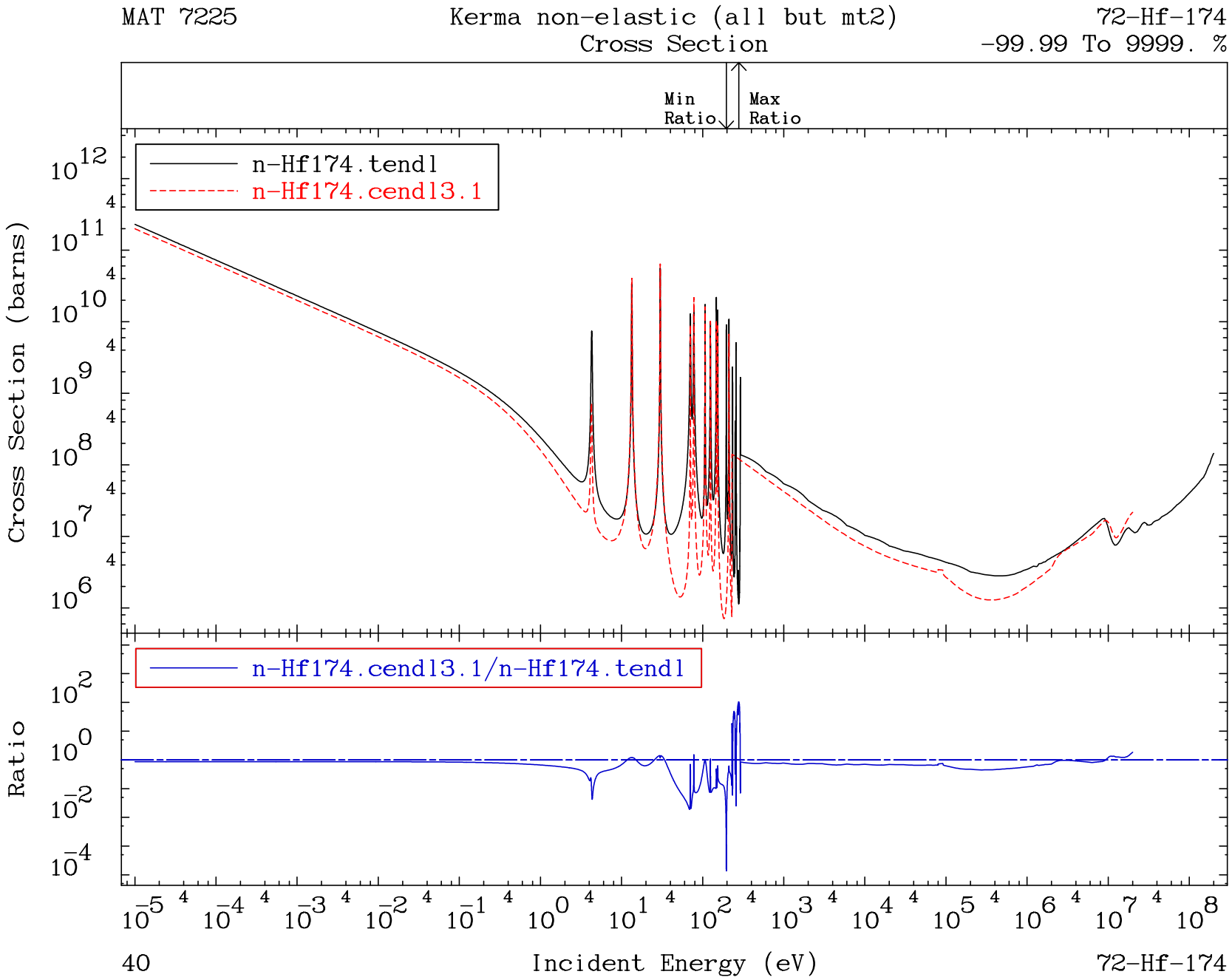

MAT 7225
Tritium Production
Cross Section
72-Hf-174
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 6.0217 MeV
n-Hf174.cendl3.1 Threshold 12.000 MeV
Cross Section (barns)
0.0
0.2
0.4
0.6
0.8
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^5
10^0
10^-5
10^-10
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
72-Hf-174

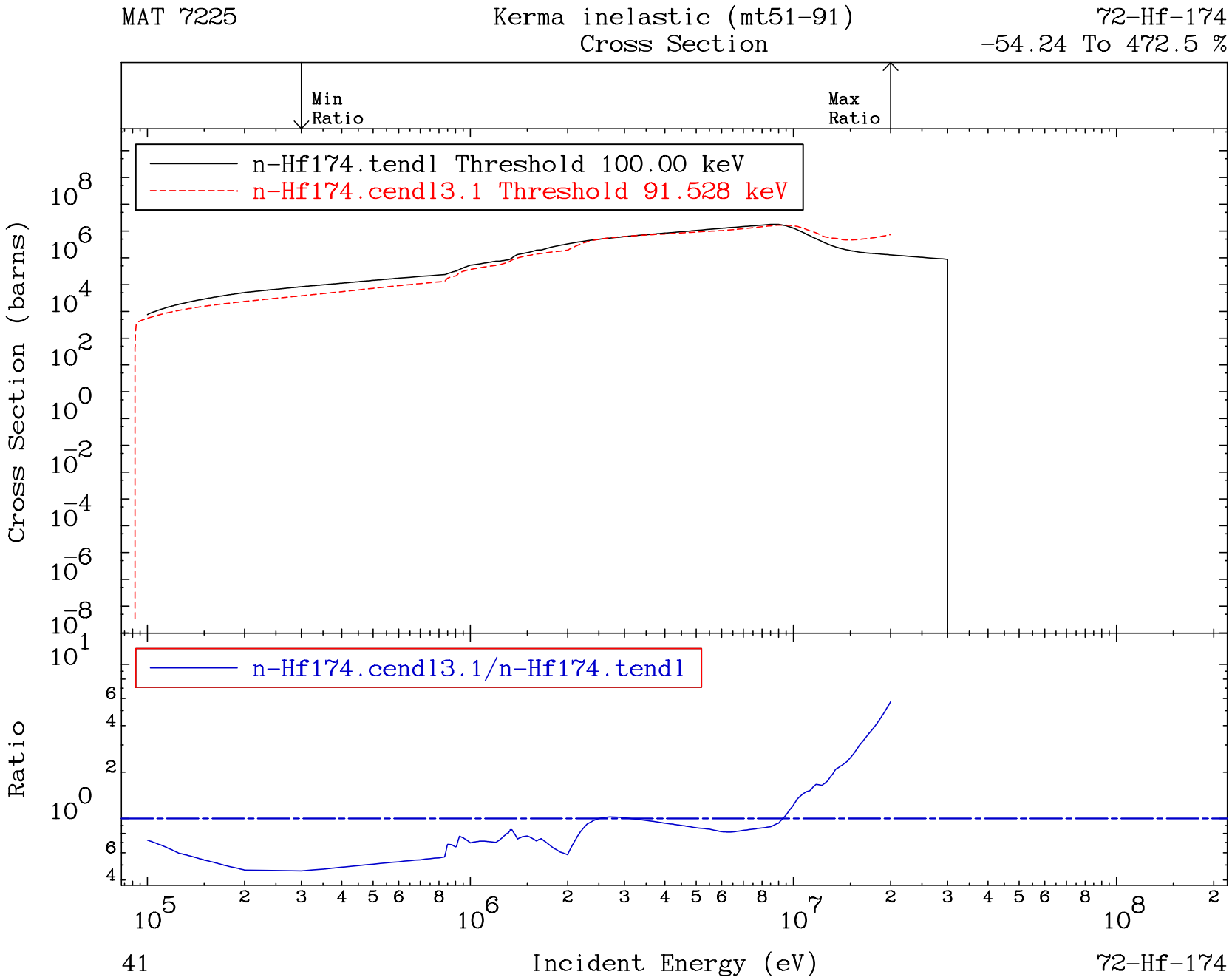

MAT 7225
He-3 Production
Cross Section
72-Hf-174
2174. To 2588. %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 3.4689 MeV
n-Hf174.cendl3.1 Threshold 19.250 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
28
26
24
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
72-Hf-174

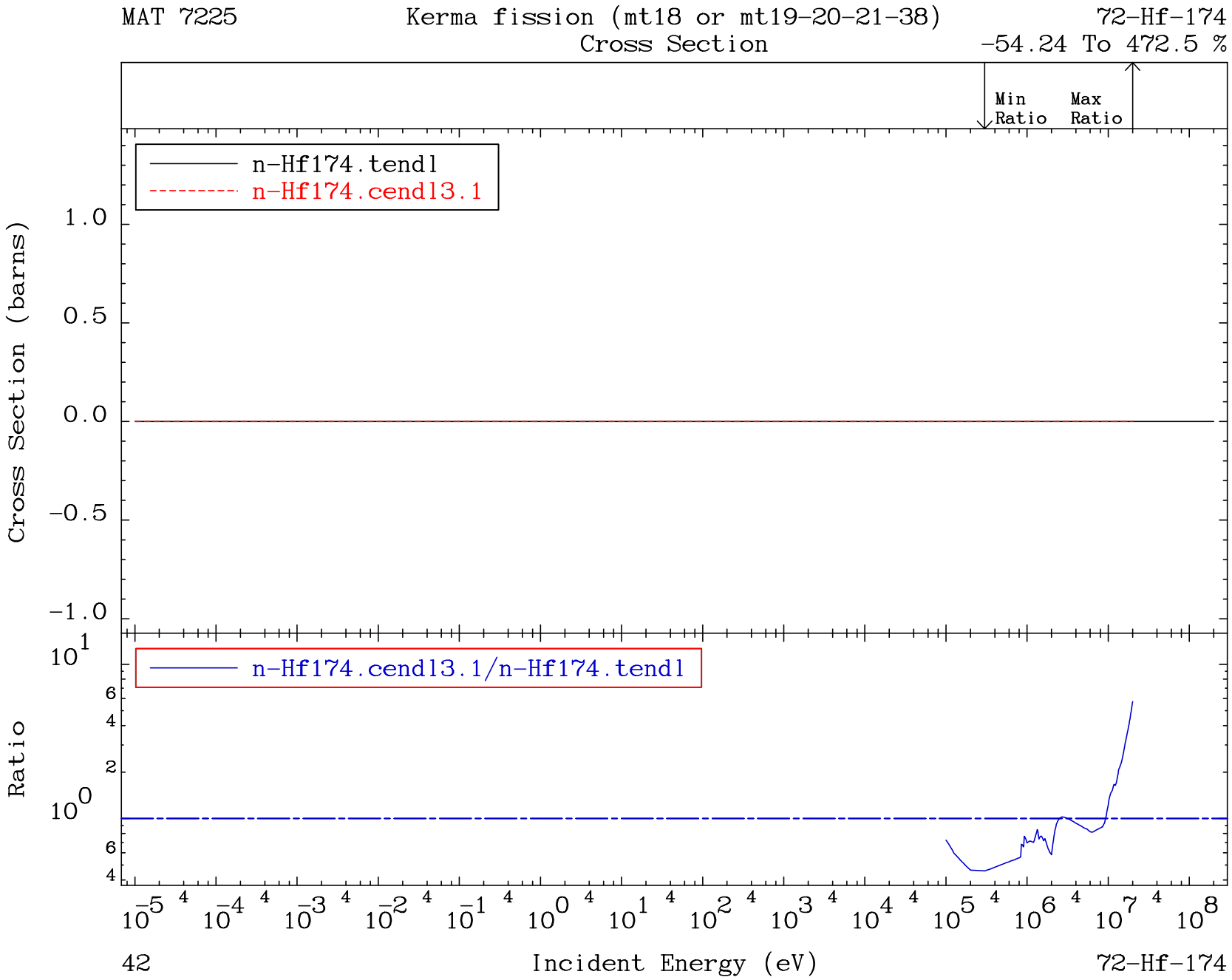

MAT 7225
He-4 Production
Cross Section
72-Hf-174
-33.03 To 26.76 %
Max Ratio
Min Ratio
n-Hf174.tendl
n-Hf174.cendl3.1 Threshold 4.7000 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
1.4
1.2
1.0
0.8
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
37
Incident Energy (eV)
72-Hf-174

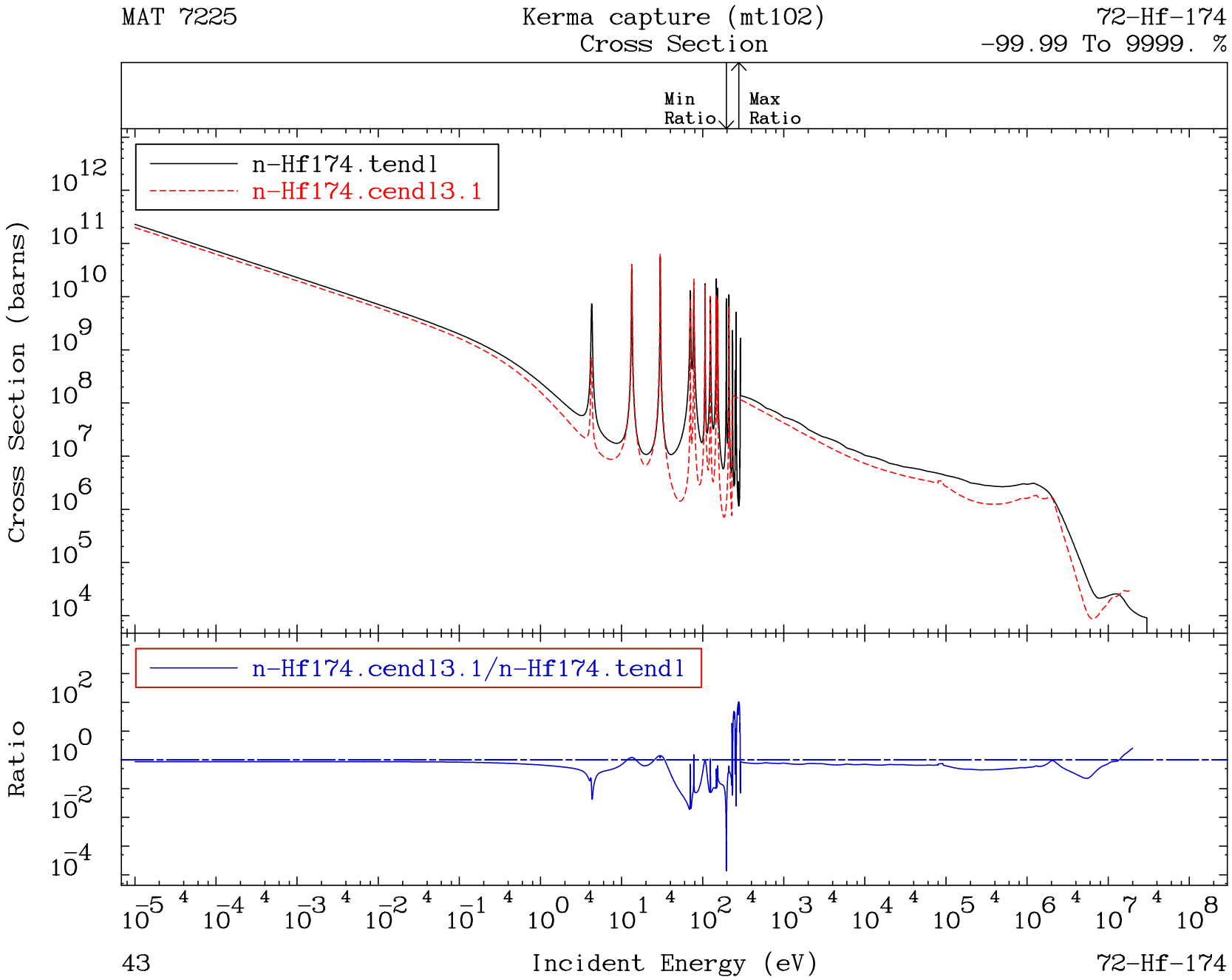

MAT 7225
Kerma total (eV-barns)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
38
72-Hf-174

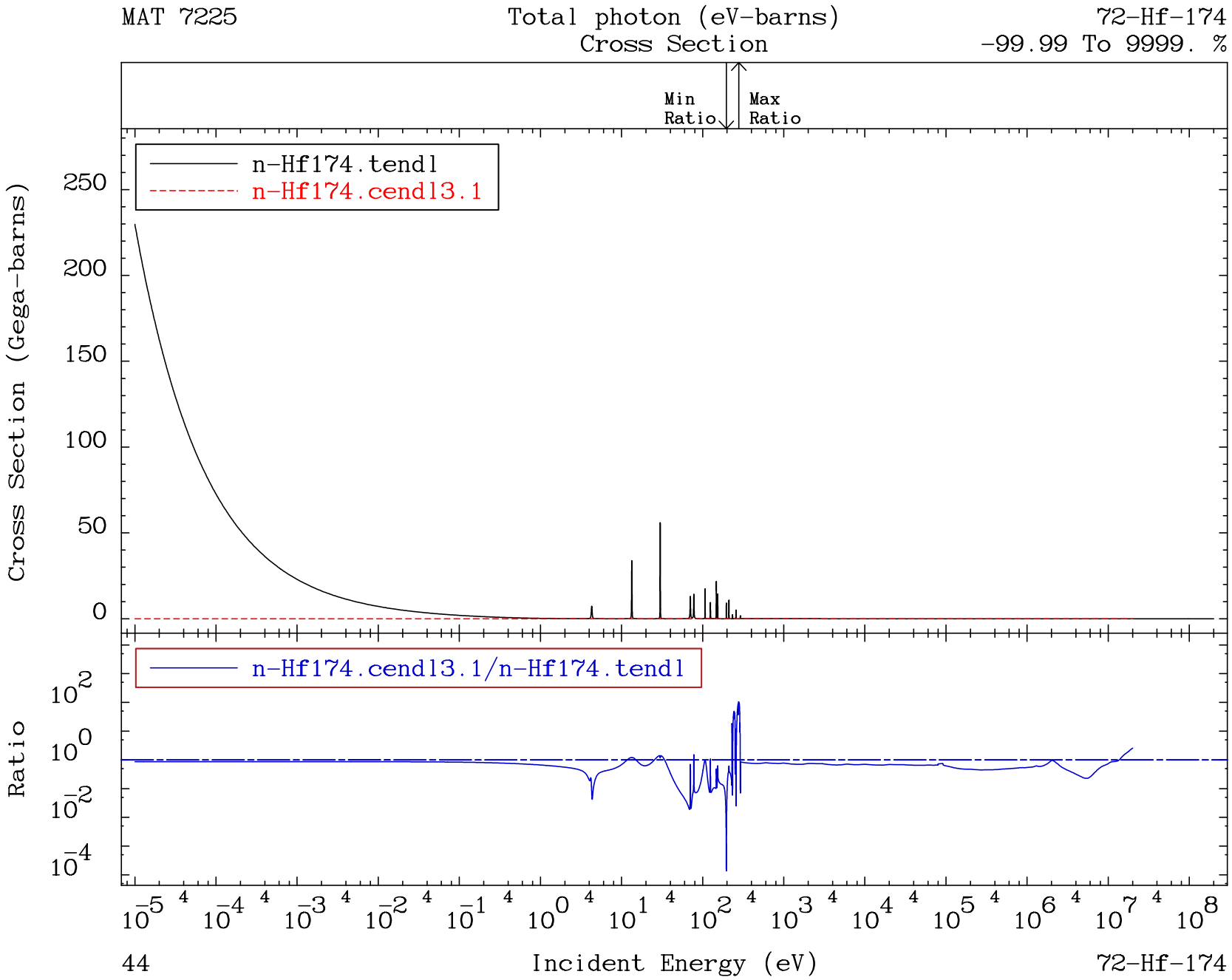

MAT 7225
Kerma elastic
Cross Section
72-Hf-174
-100.0 To 9999. %
Max
Ratio
Min
Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
39
72-Hf-174

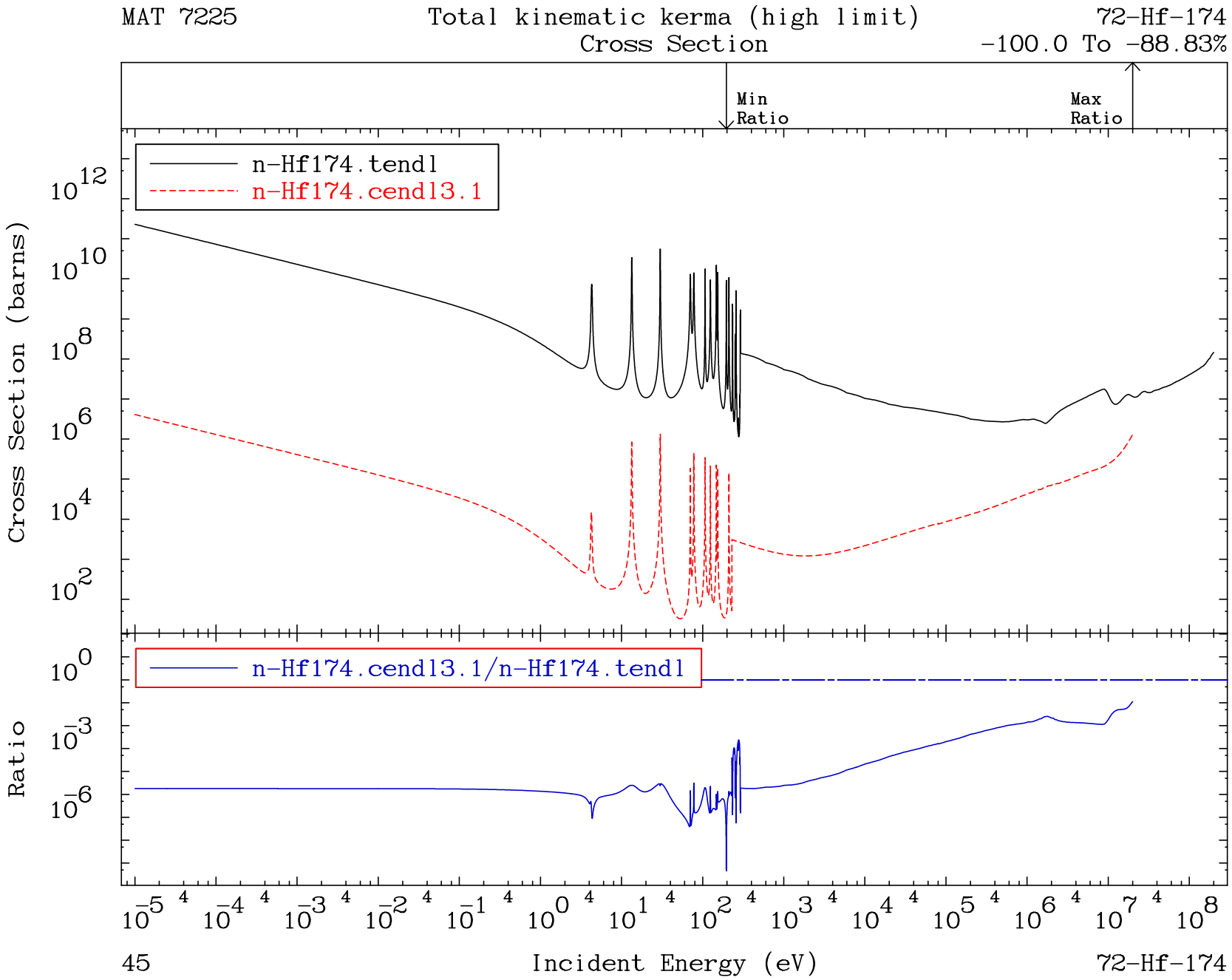

MAT 7225
Kerma non-elastic (all but mt2)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
40
72-Hf-174

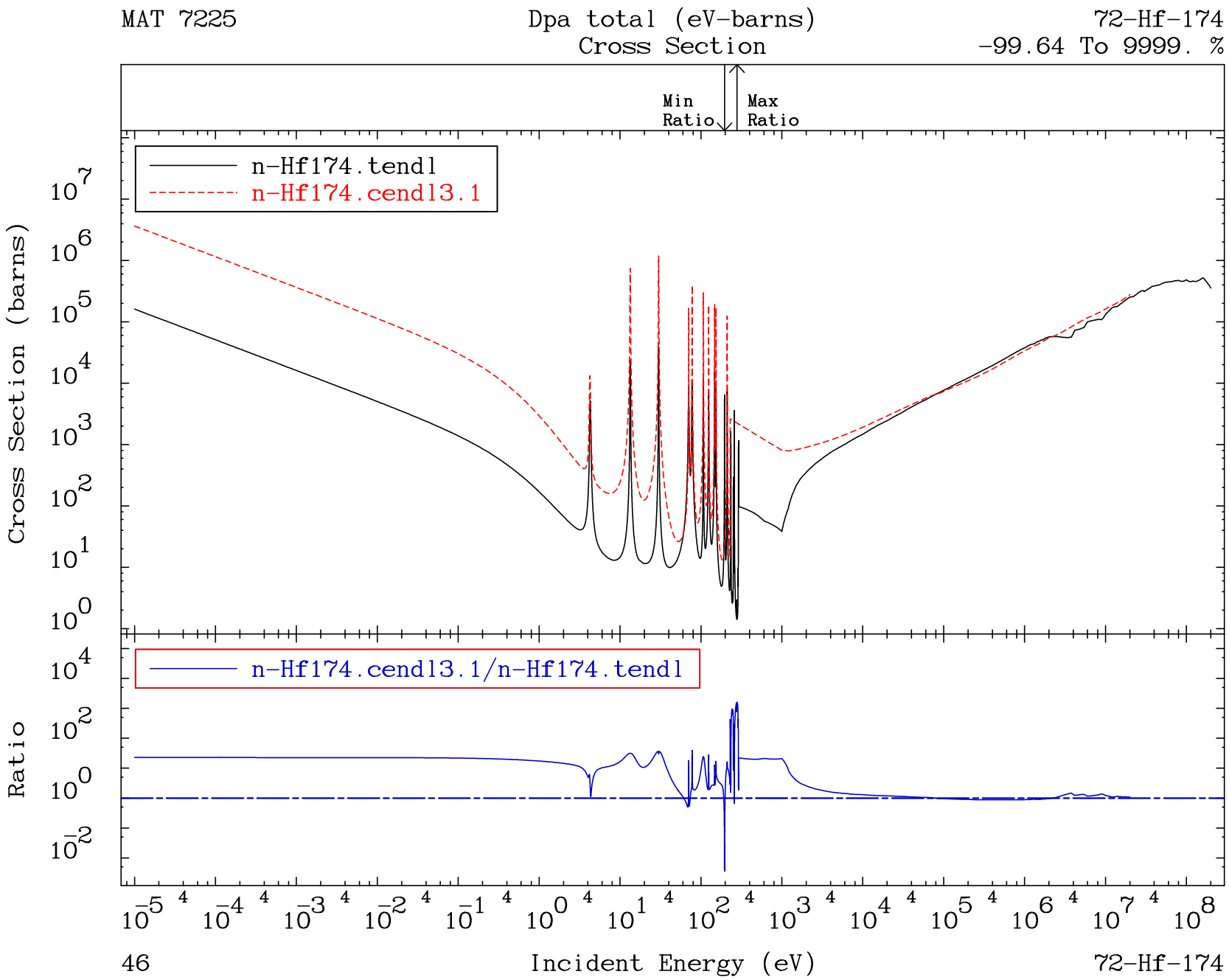

MAT 7225
Kerma inelastic (mt51-91)
Cross Section
72-Hf-174
-54.24 To 472.5 %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 100.00 keV
n-Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
41
72-Hf-174

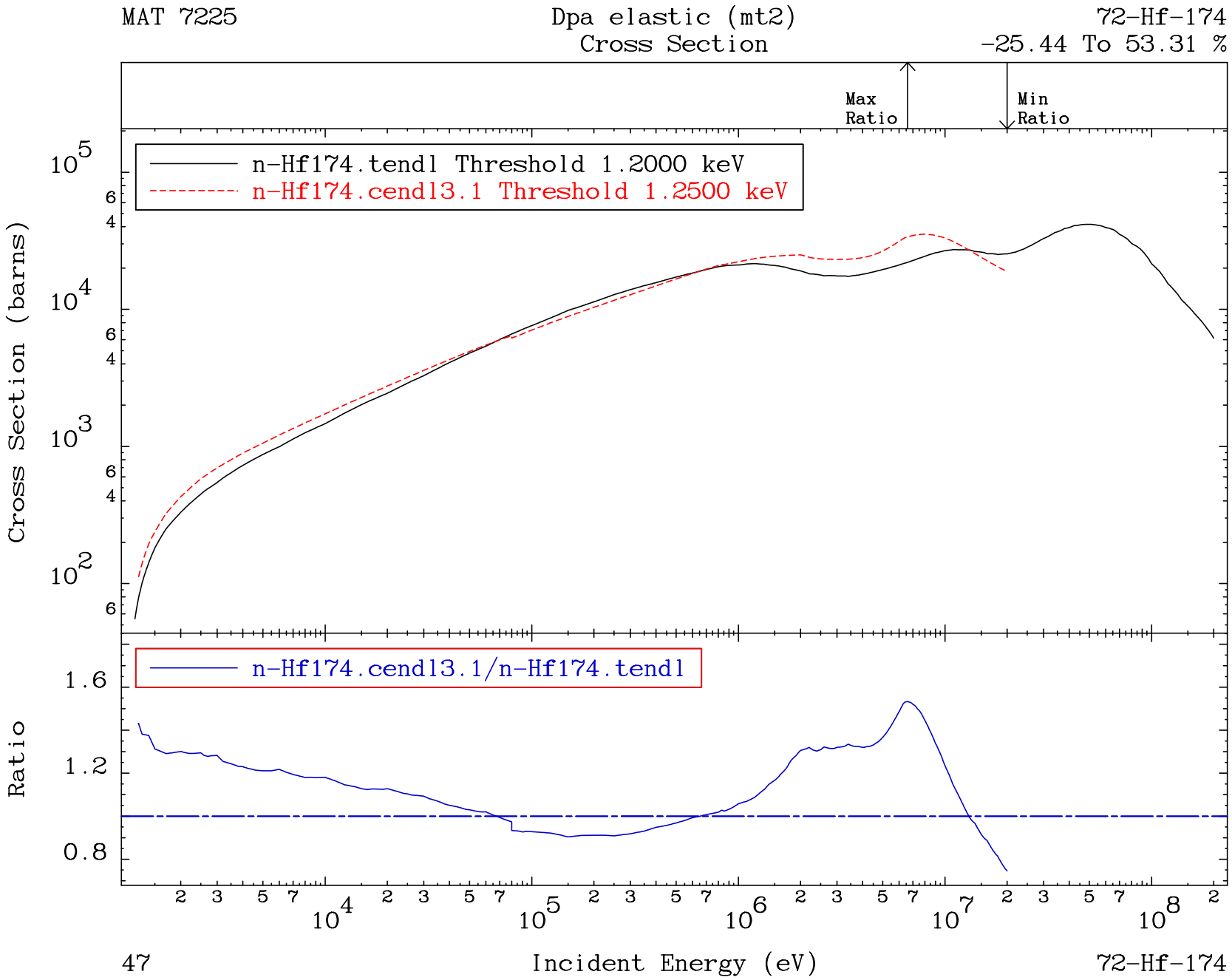

MAT 7225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
72-Hf-174
-54.24 To 472.5 %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^1
10^0
6
4
2
6
4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
72-Hf-174

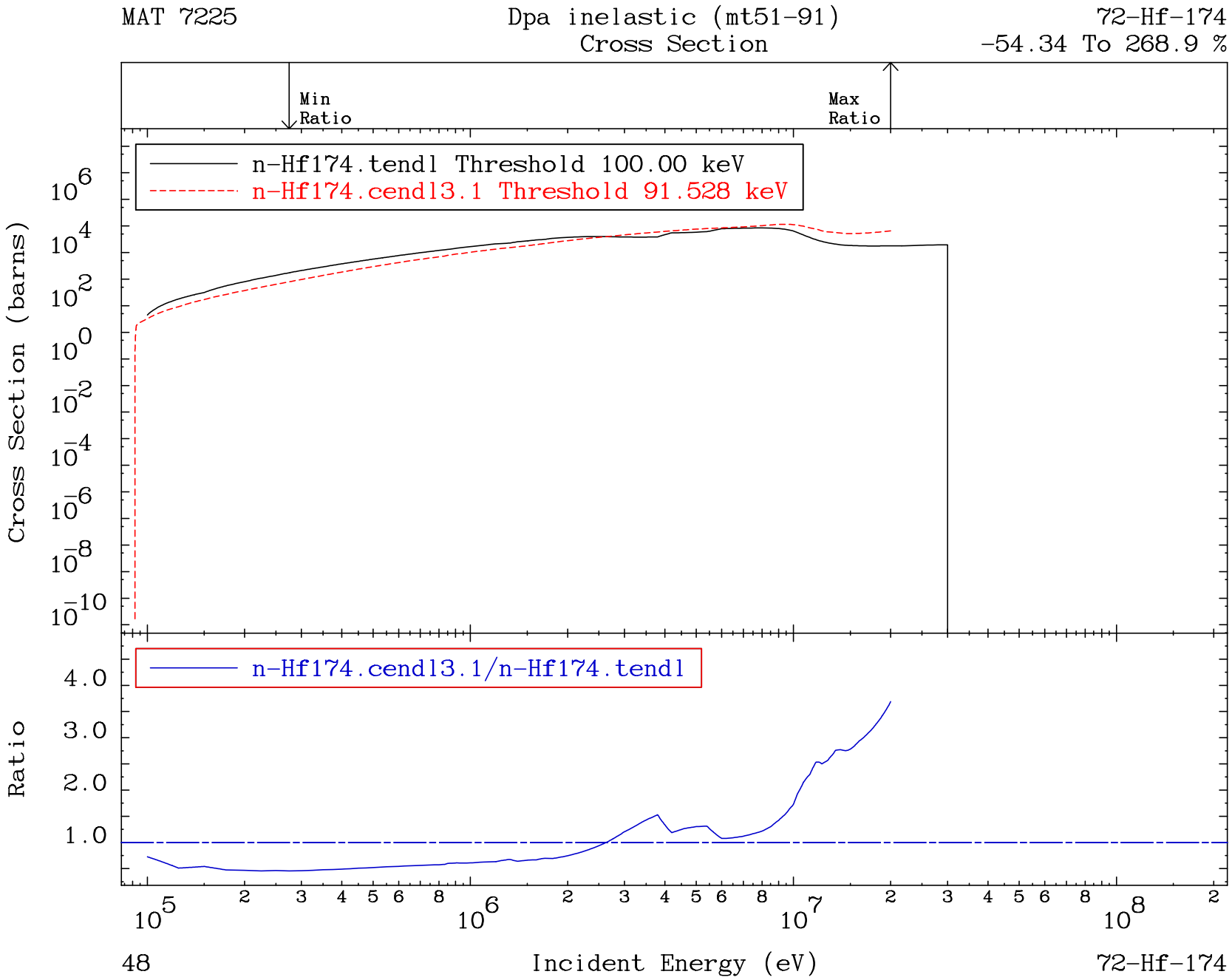

MAT 7225
Kerma capture (mt102)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
43
72-Hf-174

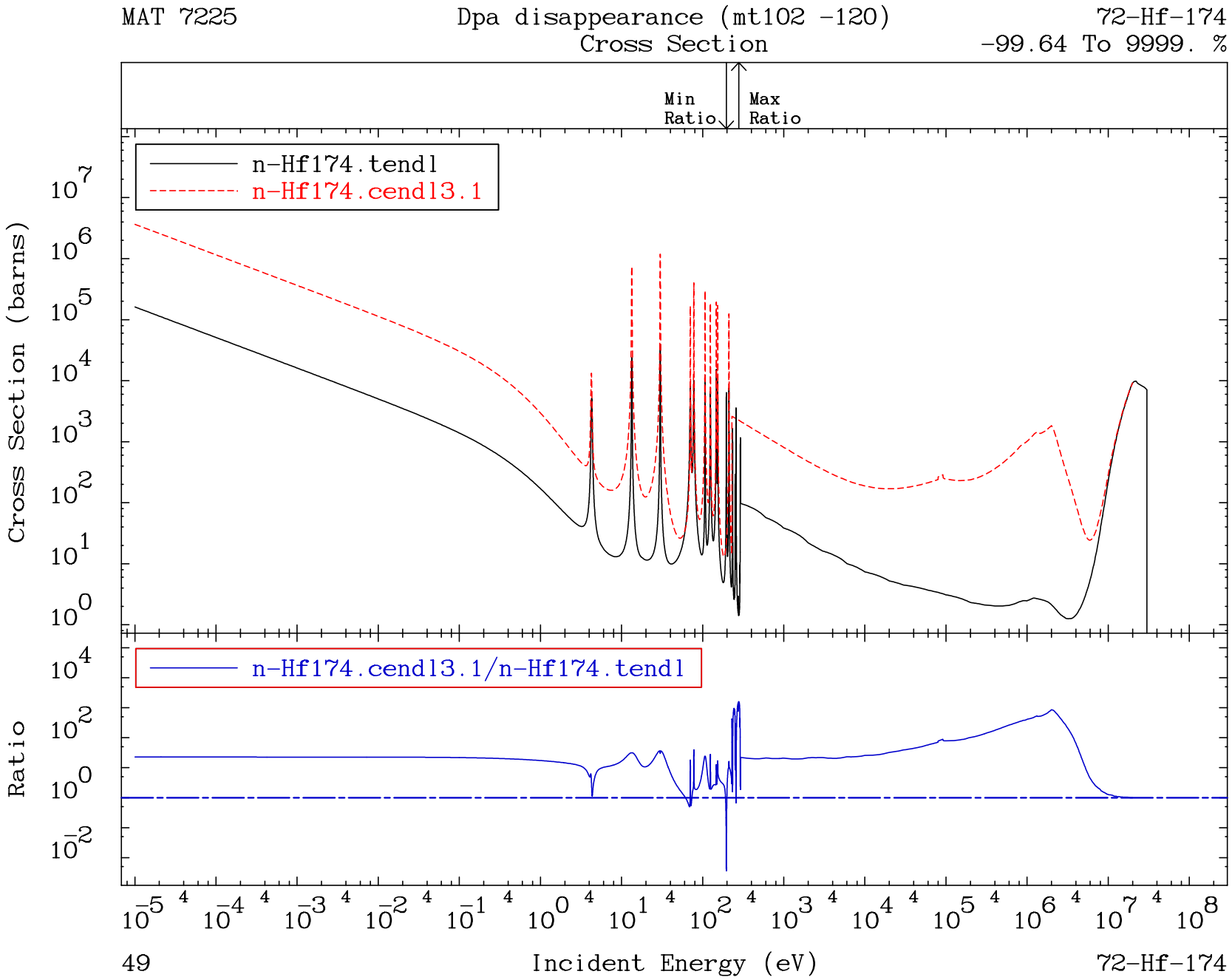

MAT 7225
Total photon (eV-barns)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (Gega-barns)
250
200
150
100
50
0
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
10^{2}
10^{0}
10^{-2}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
44
Incident Energy (eV)
72-Hf-174


MAT 7225
Total kinematic kerma (high limit)
Cross Section
72-Hf-174
-100.0 To -88.83%
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
45
72-Hf-174


MAT 7225
Dpa total (eV-barns)
Cross Section
72-Hf-174
-99.64 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
46
72-Hf-174


MAT 7225
Dpa elastic (mt2)
Cross Section
72-Hf-174
-25.44 To 53.31 %
Max Ratio
Min Ratio
n-Hf174.tendl Threshold 1.2000 keV
n-Hf174.cendl3.1 Threshold 1.2500 keV
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
47
72-Hf-174


MAT 7225
Dpa inelastic (mt51-91)
Cross Section
72-Hf-174
-54.34 To 268.9 %
Min Ratio
Max Ratio
n-Hf174.tendl Threshold 100.00 keV
n-Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
Incident Energy (eV)
48
72-Hf-174


MAT 7225
Dpa disappearance (mt102 -120)
Cross Section
72-Hf-174
-99.64 To 9999. %
Min Ratio
Max Ratio
n-Hf174.tendl
n-Hf174.cendl3.1
Cross Section (barns)
n-Hf174.cendl3.1/n-Hf174.tendl
Ratio
49
Incident Energy (eV)
72-Hf-174