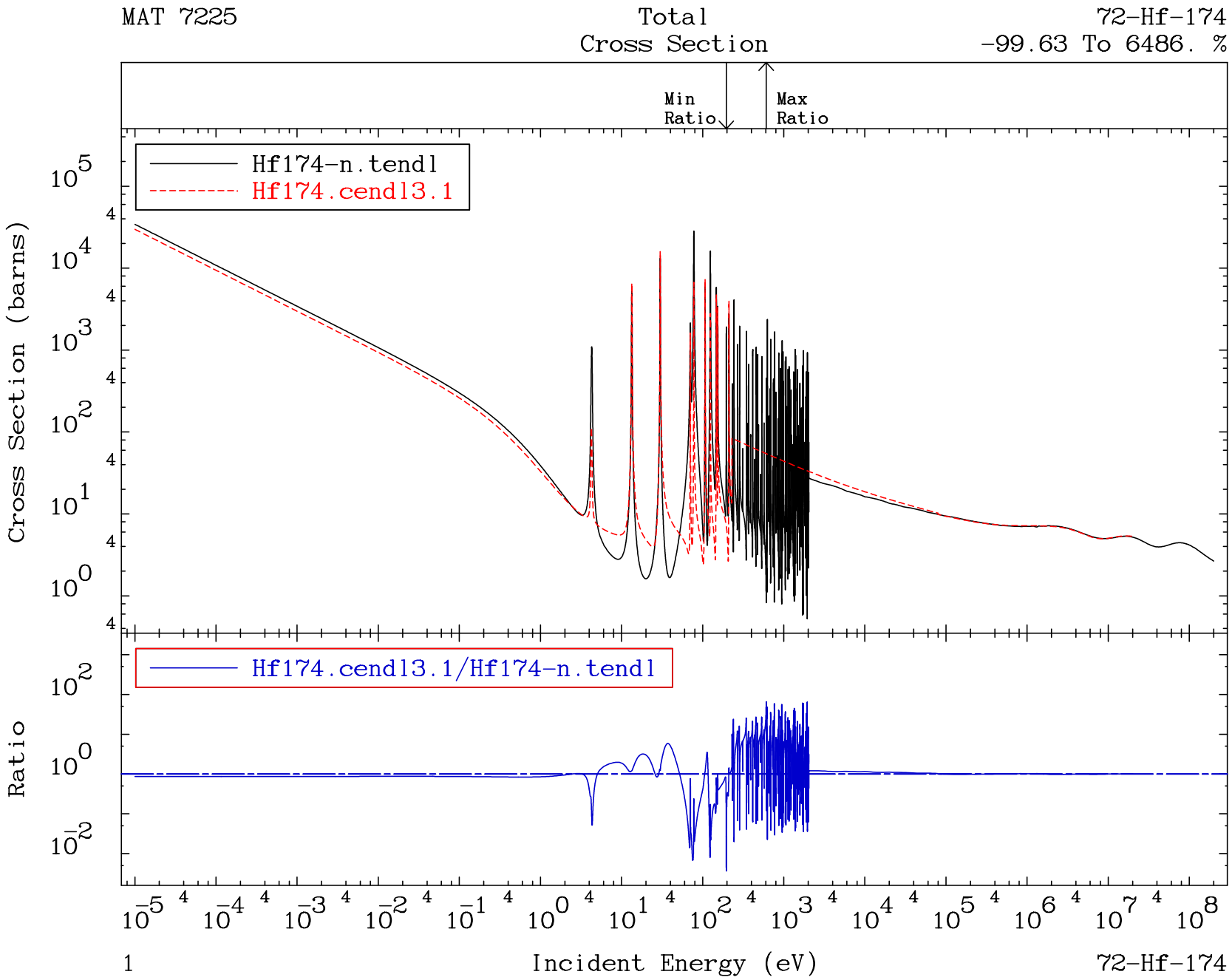
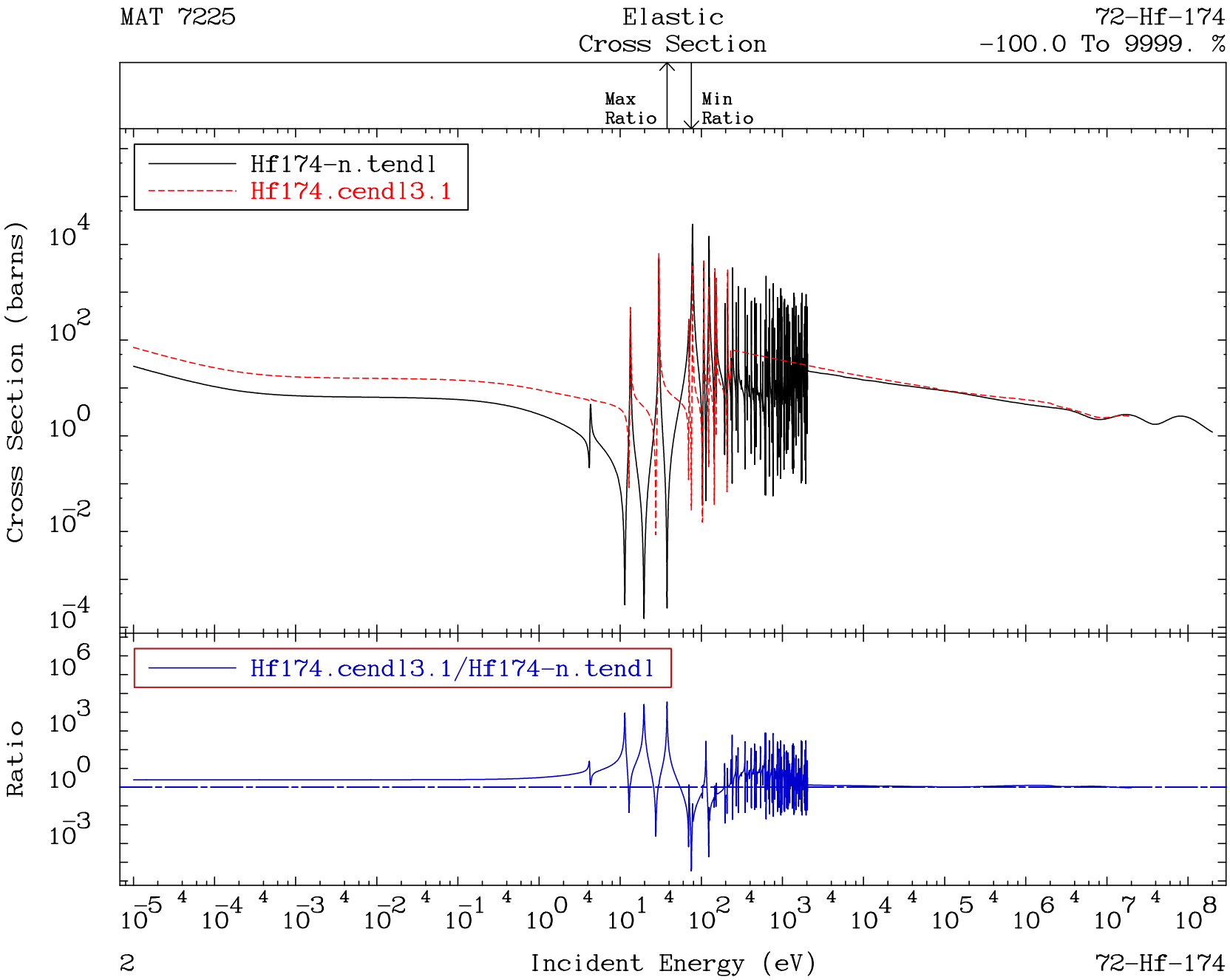
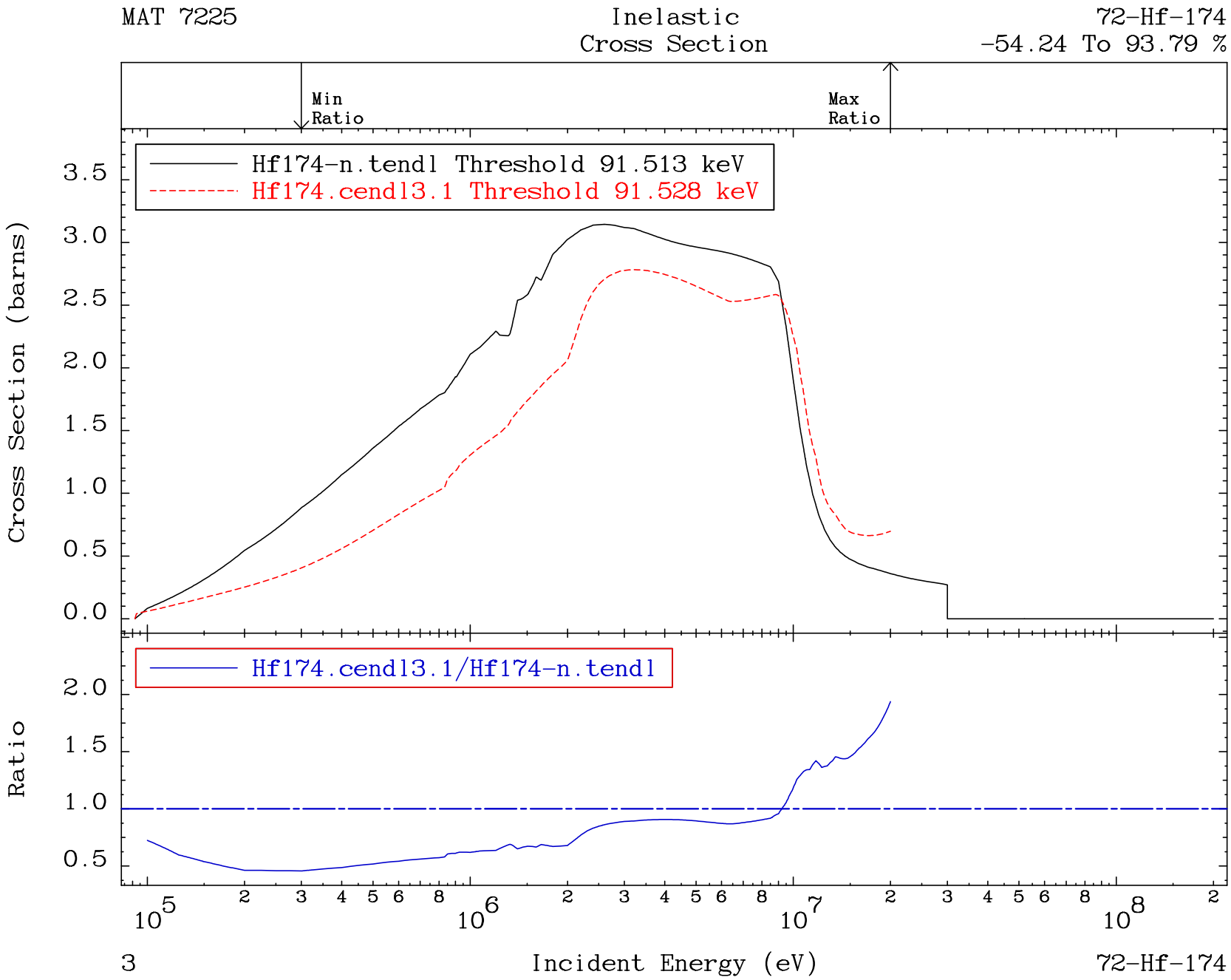
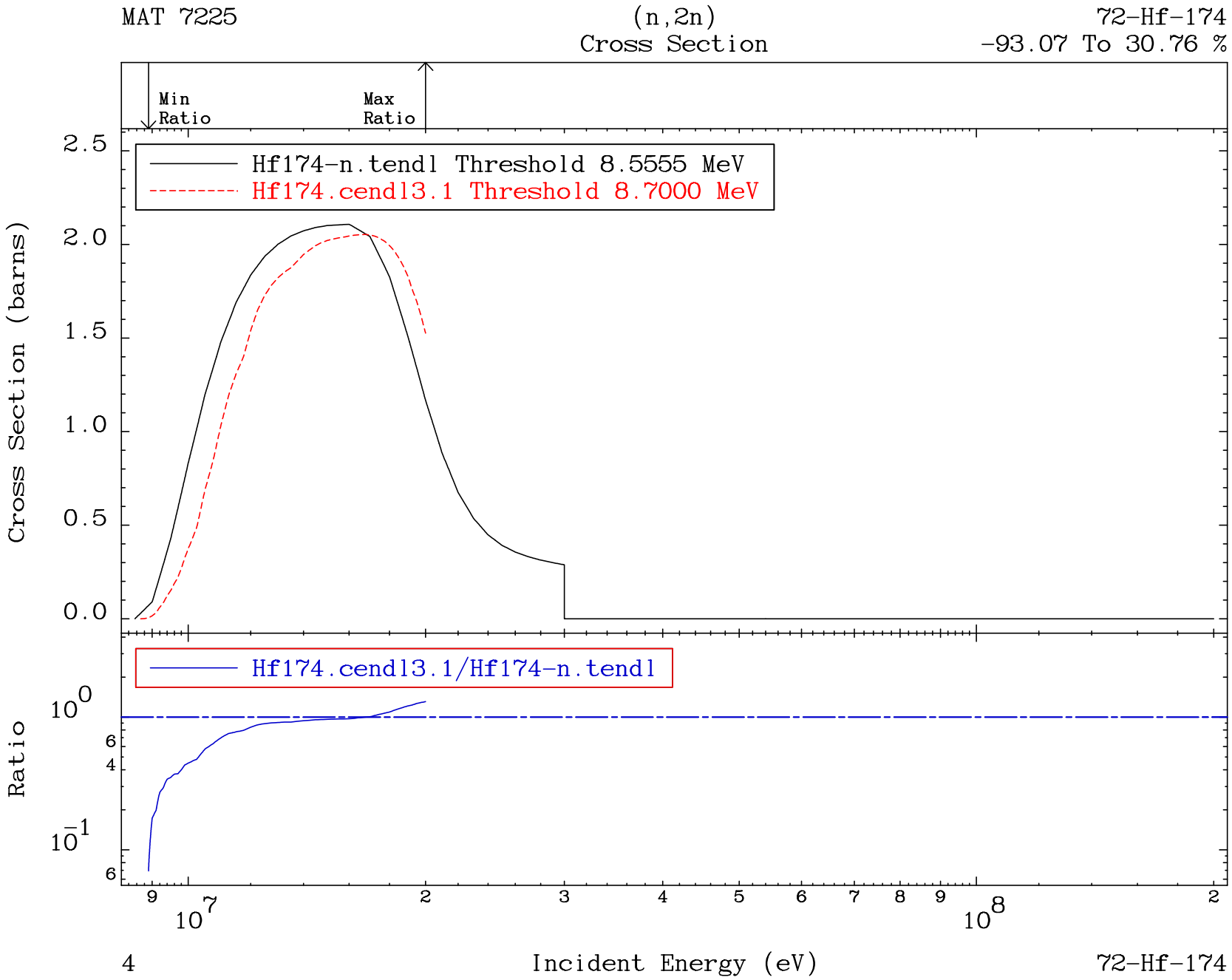
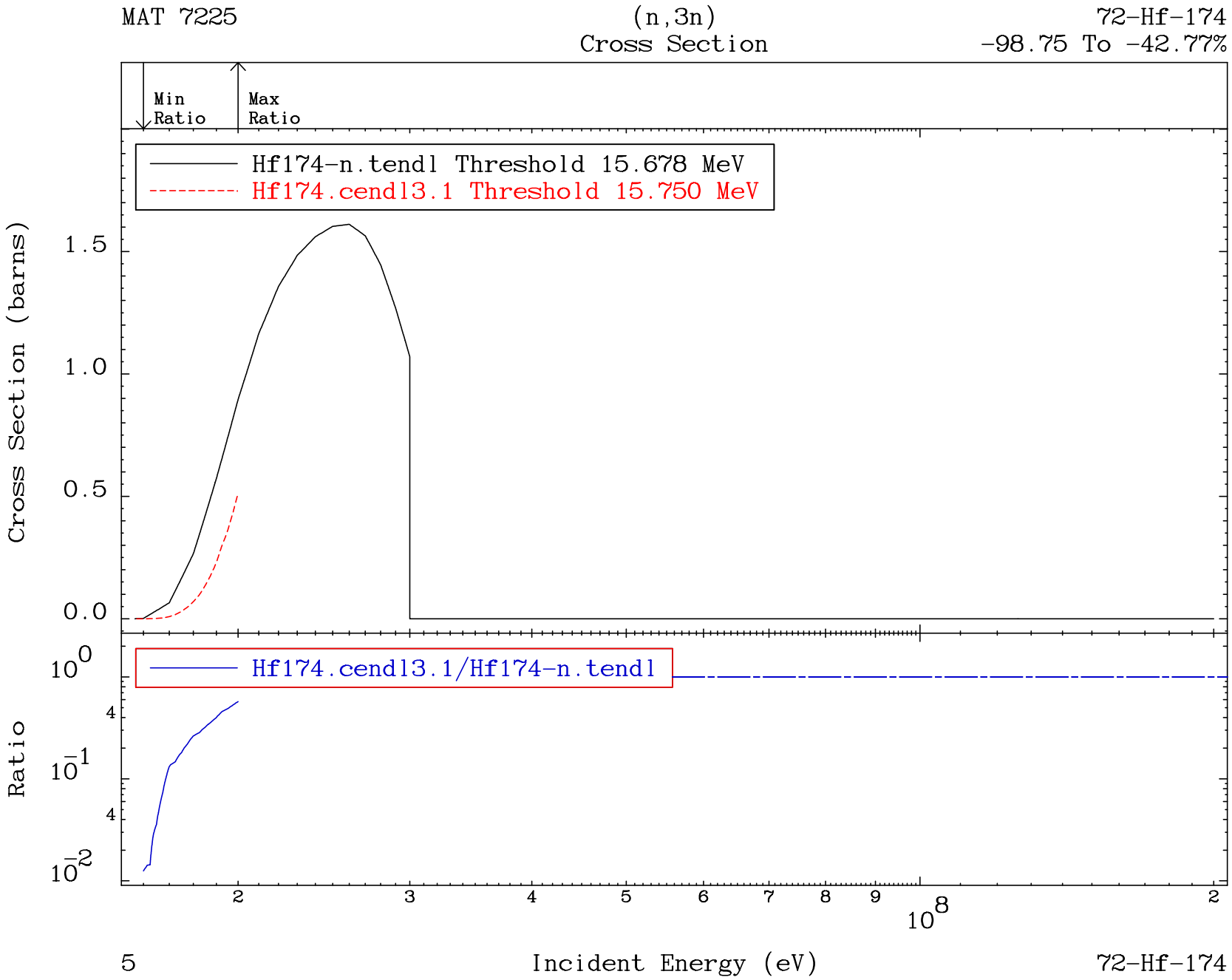
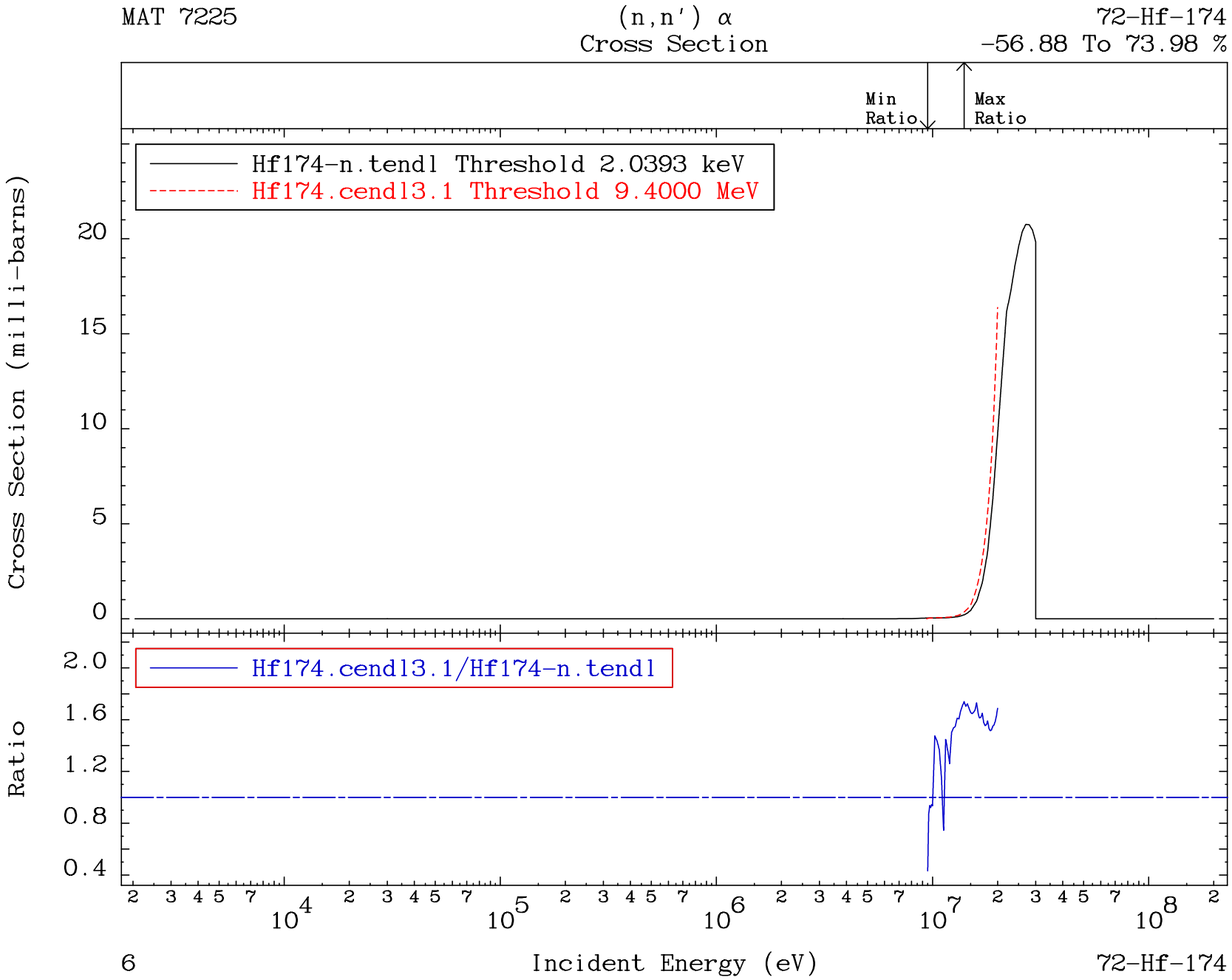

MAT 7225
Total
Cross Section
72-Hf-174
-99.63 To 6486. %
Min
Ratio
Max
Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
1
72-Hf-174

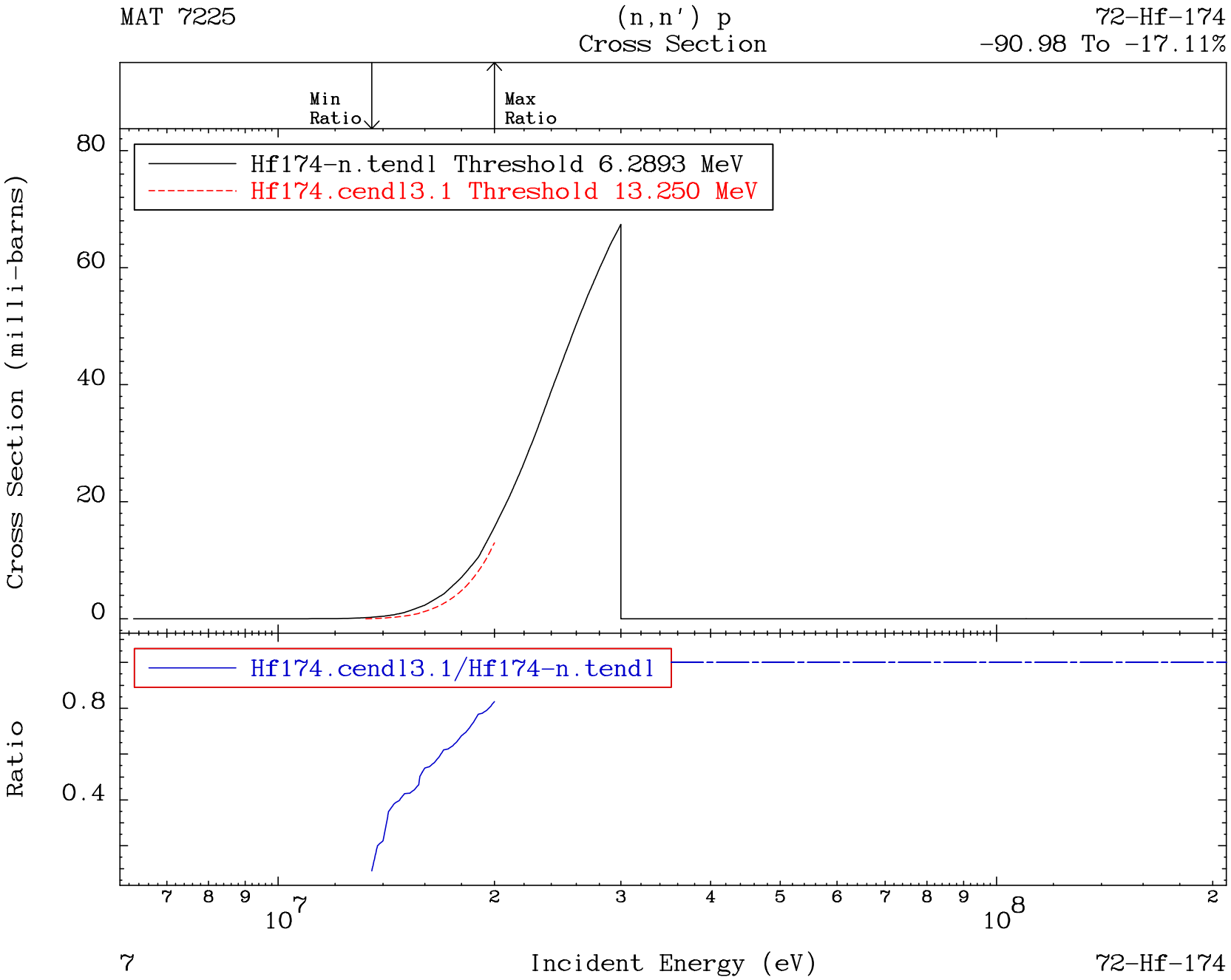

MAT 7225
Elastic
Cross Section
72-Hf-174
-100.0 To 9999. %
Max
Ratio
Min
Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
2
72-Hf-174

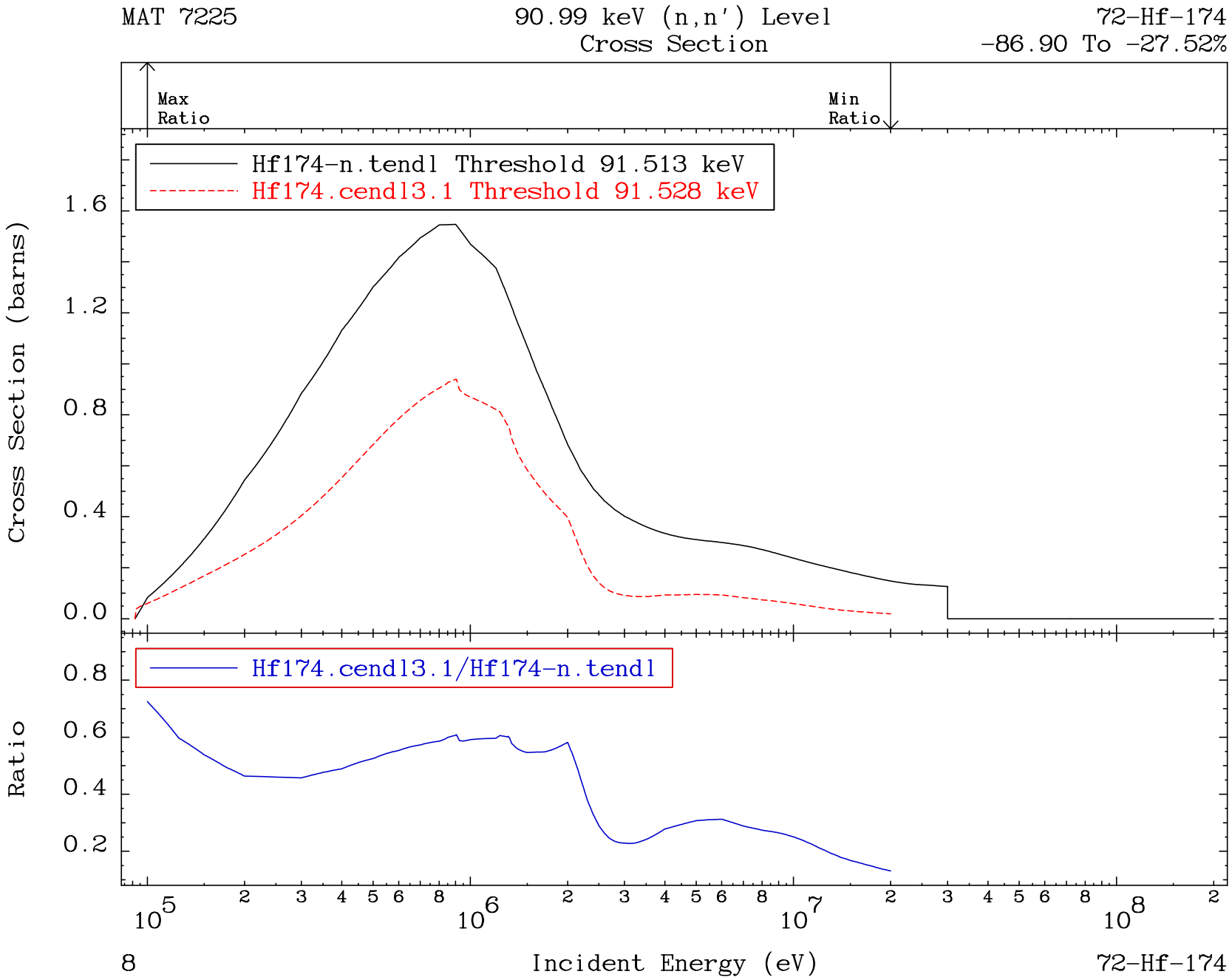

MAT 7225
Inelastic
Cross Section
72-Hf-174
-54.24 To 93.79 %
Min
Ratio
Max
Ratio
Hf174-n.tendl Threshold 91.513 keV
Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
2.0
1.5
1.0
0.5
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
72-Hf-174

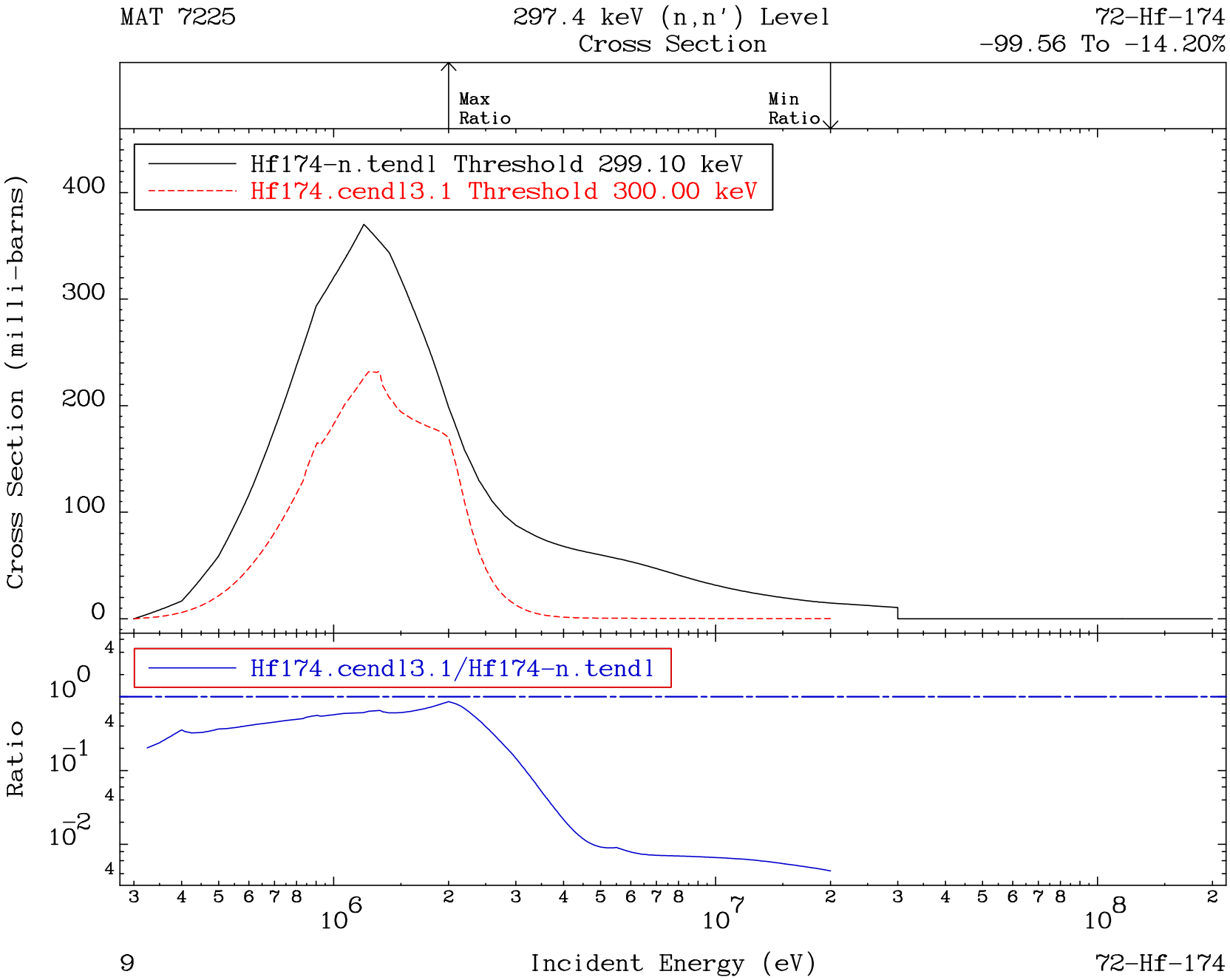

MAT 7225
(n,2n)
Cross Section
72-Hf-174
-93.07 To 30.76 %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 8.5555 MeV
Hf174.cendl3.1 Threshold 8.7000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
6
4
10^-1
6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
72-Hf-174

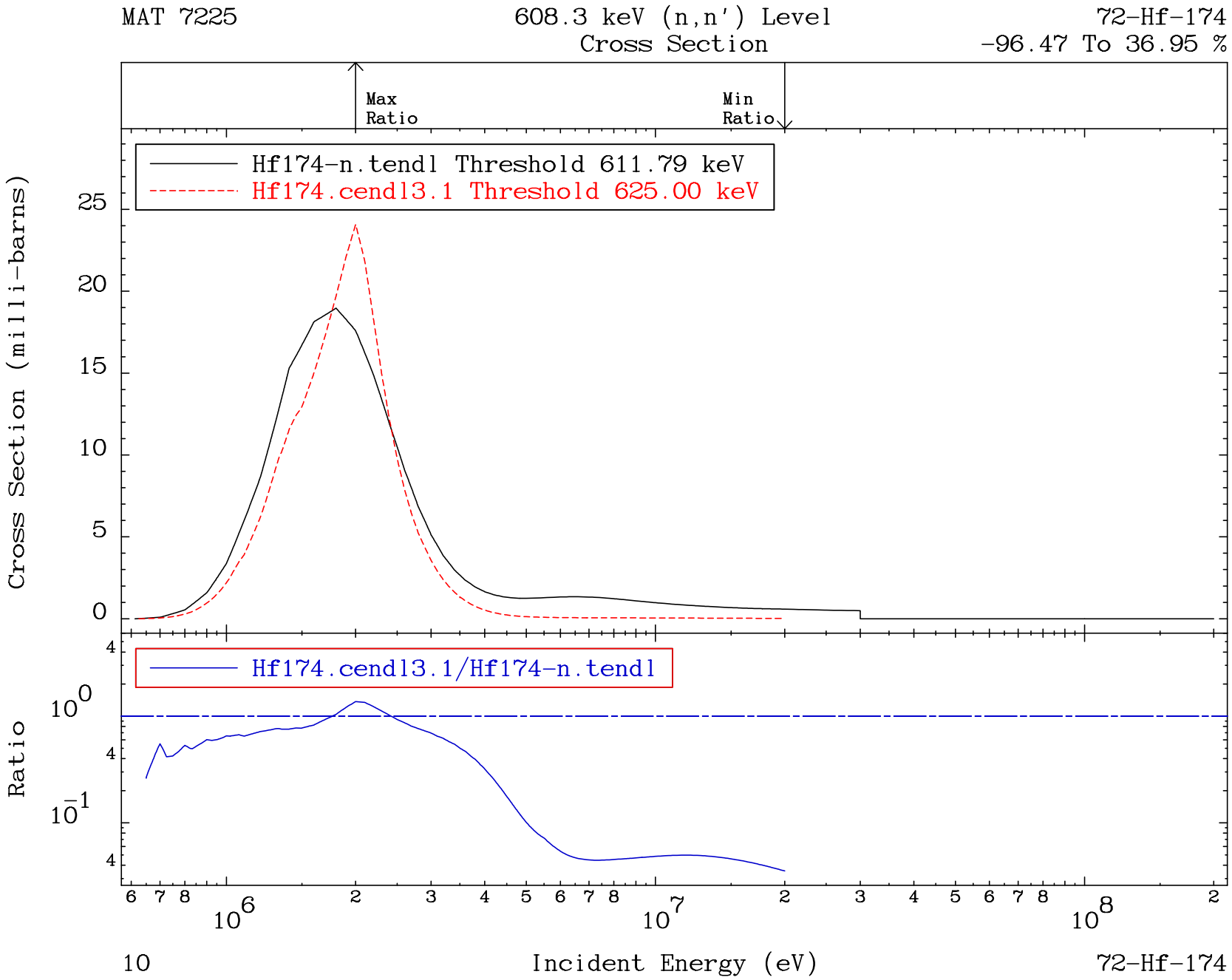

MAT 7225
(n,3n)
Cross Section
72-Hf-174
-98.75 To -42.77%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 15.678 MeV
Hf174.cendl3.1 Threshold 15.750 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
72-Hf-174

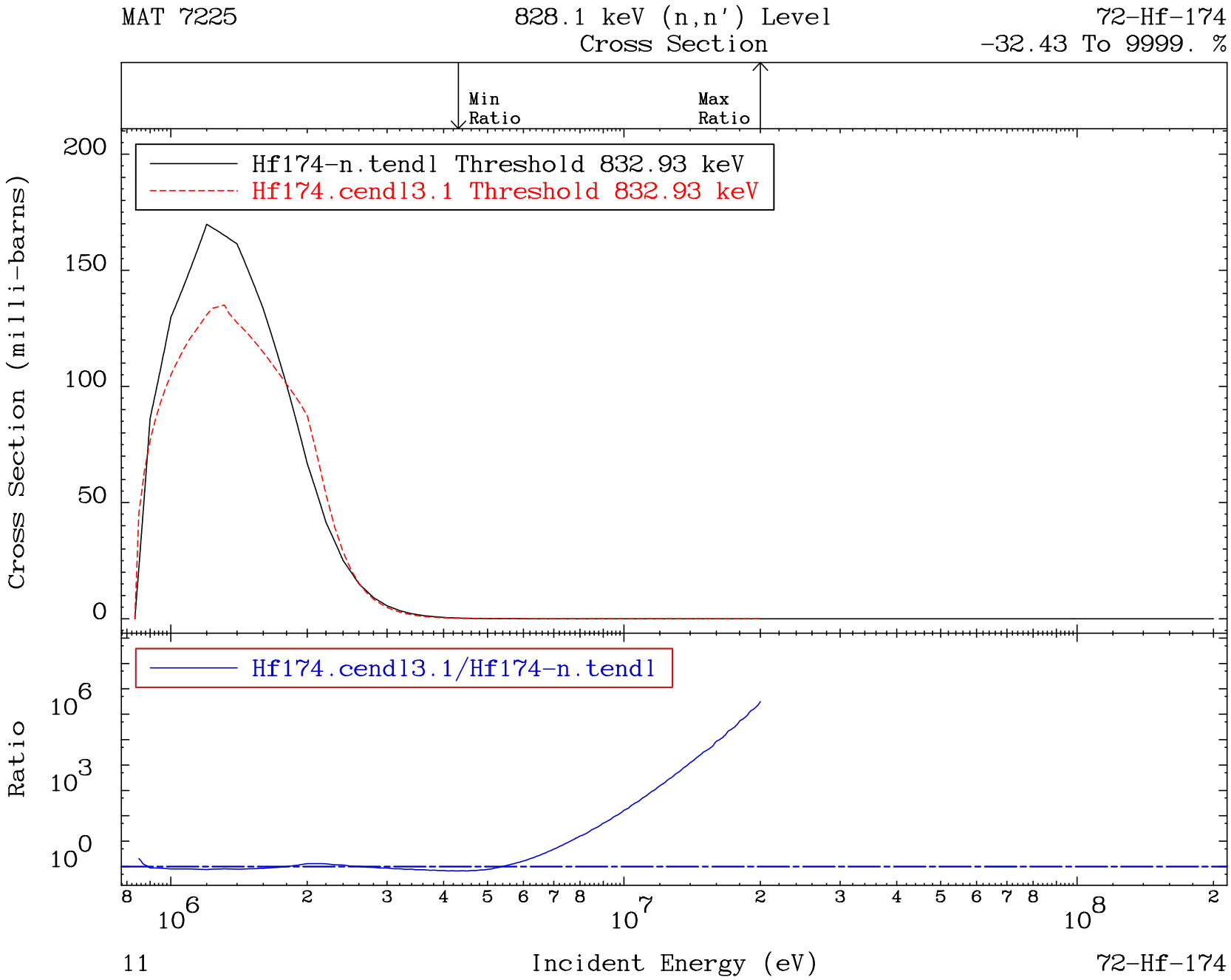

MAT 7225
(n,n') α
Cross Section
72-Hf-174
-56.88 To 73.98 %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 2.0393 keV
Hf174.cendl3.1 Threshold 9.4000 MeV
Cross Section (milli-barns)
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
2.0
1.6
1.2
0.8
0.4
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
6
Incident Energy (eV)
72-Hf-174

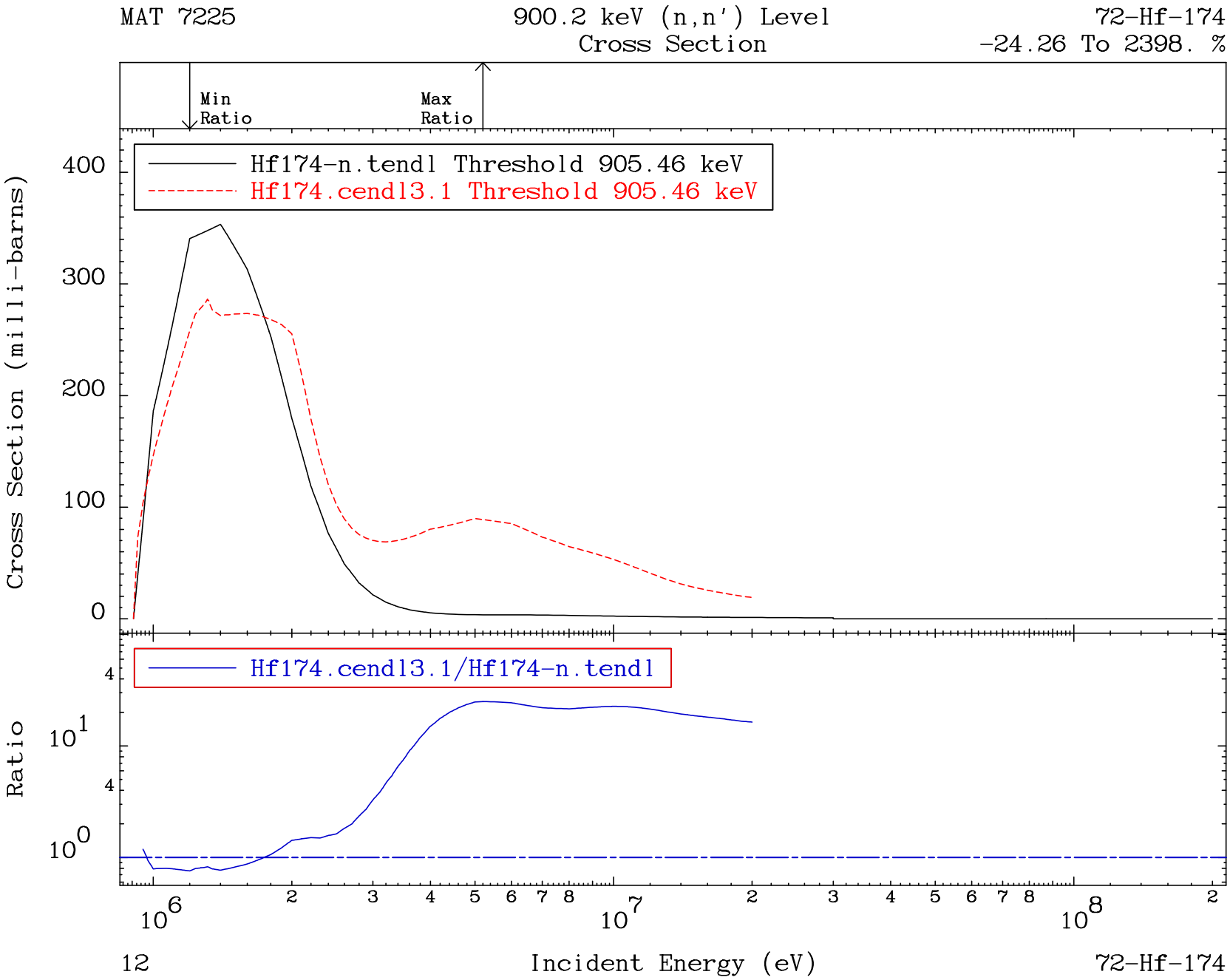

MAT 7225
(n,n') p
Cross Section
72-Hf-174
-90.98 To -17.11%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 6.2893 MeV
Hf174.cendl3.1 Threshold 13.250 MeV
Cross Section (milli-barns)
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
72-Hf-174

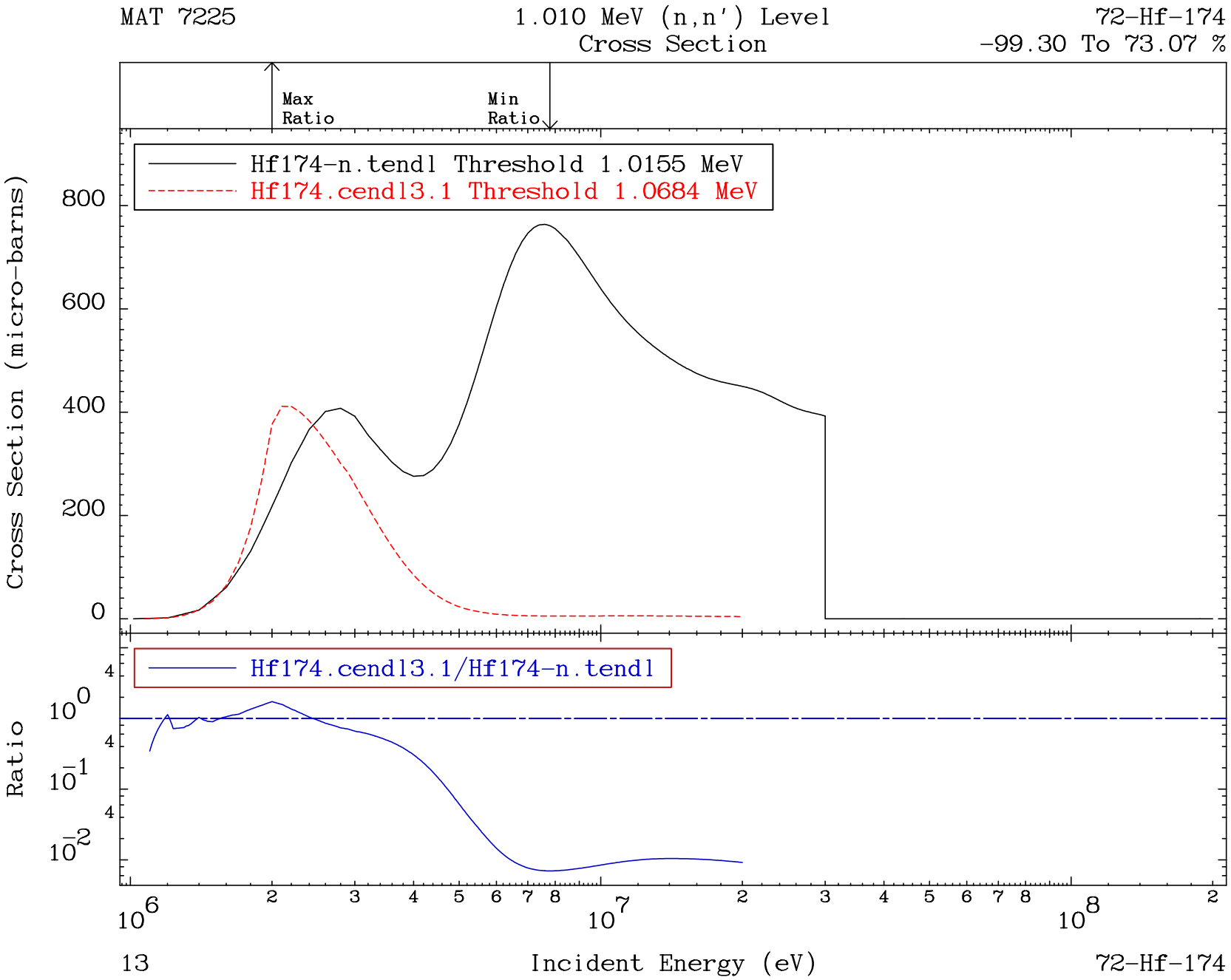

MAT 7225
90.99 keV (n,n') Level
Cross Section
72-Hf-174
-86.90 To -27.52%
Max
Ratio
Min
Ratio
Hf174-n.tendl Threshold 91.513 keV
Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
0.8
0.6
0.4
0.2
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3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

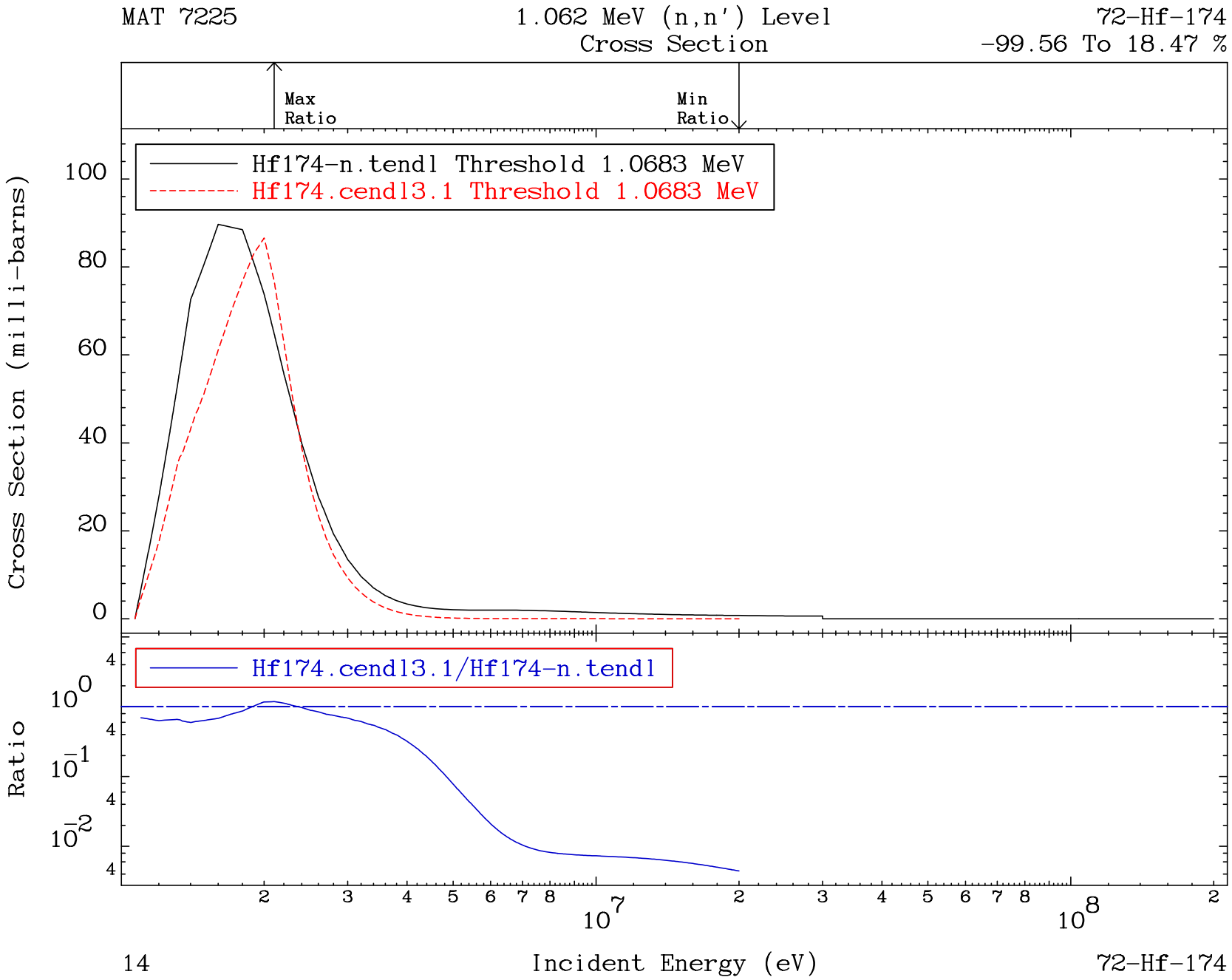

MAT 7225
297.4 keV (n,n') Level
Cross Section
72-Hf-174
-99.56 To -14.20%
Max
Ratio
Min
Ratio
Hf174-n.tendl Threshold 299.10 keV
Hf174.cendl3.1 Threshold 300.00 keV
Cross Section (milli-barns)
400
300
200
100
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2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

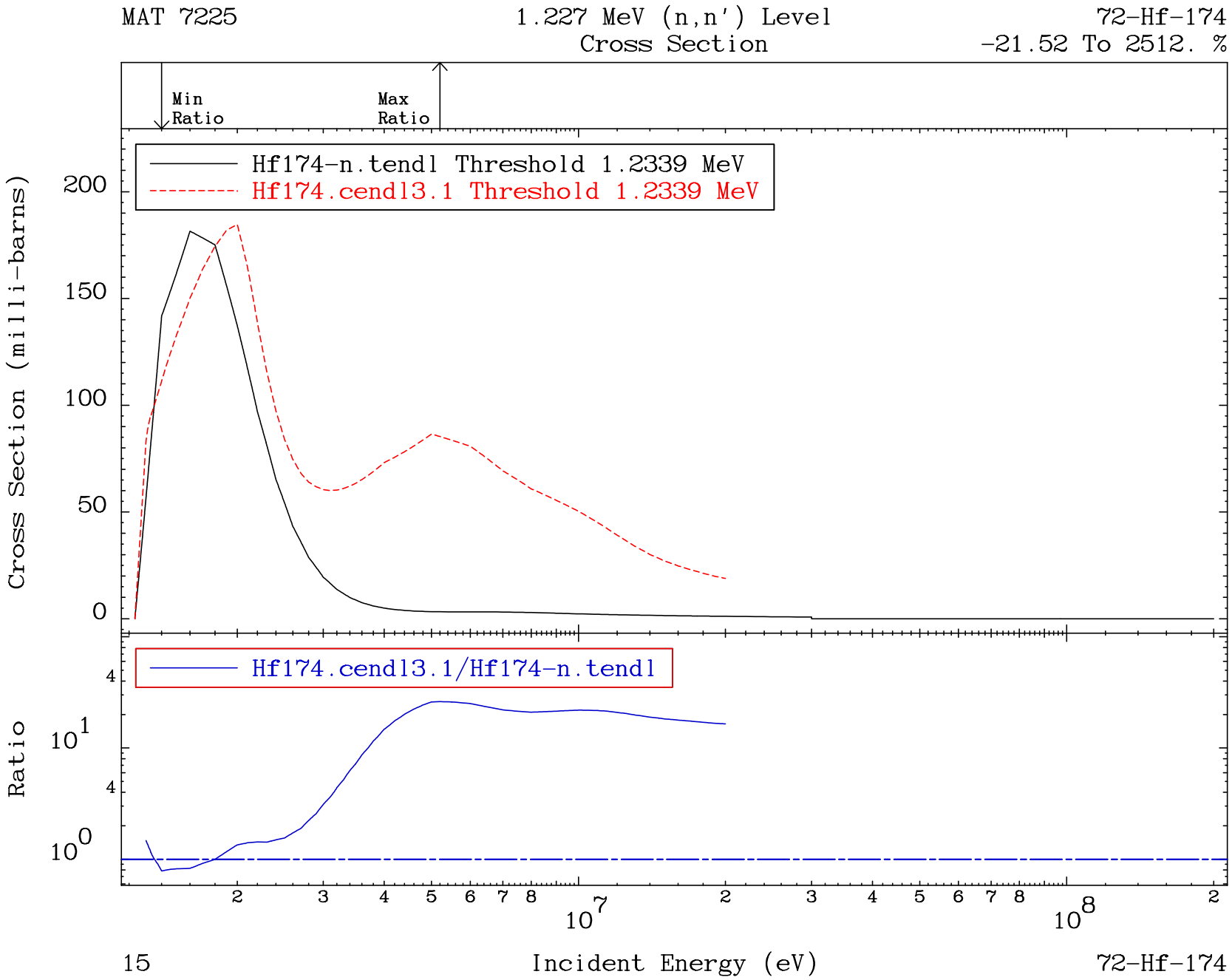

MAT 7225
608.3 keV (n,n') Level
Cross Section
72-Hf-174
-96.47 To 36.95 %
Max
Ratio
Min
Ratio
Hf174-n.tendl Threshold 611.79 keV
Hf174.cendl3.1 Threshold 625.00 keV
Cross Section (milli-barns)
25
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
4
4
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
72-Hf-174

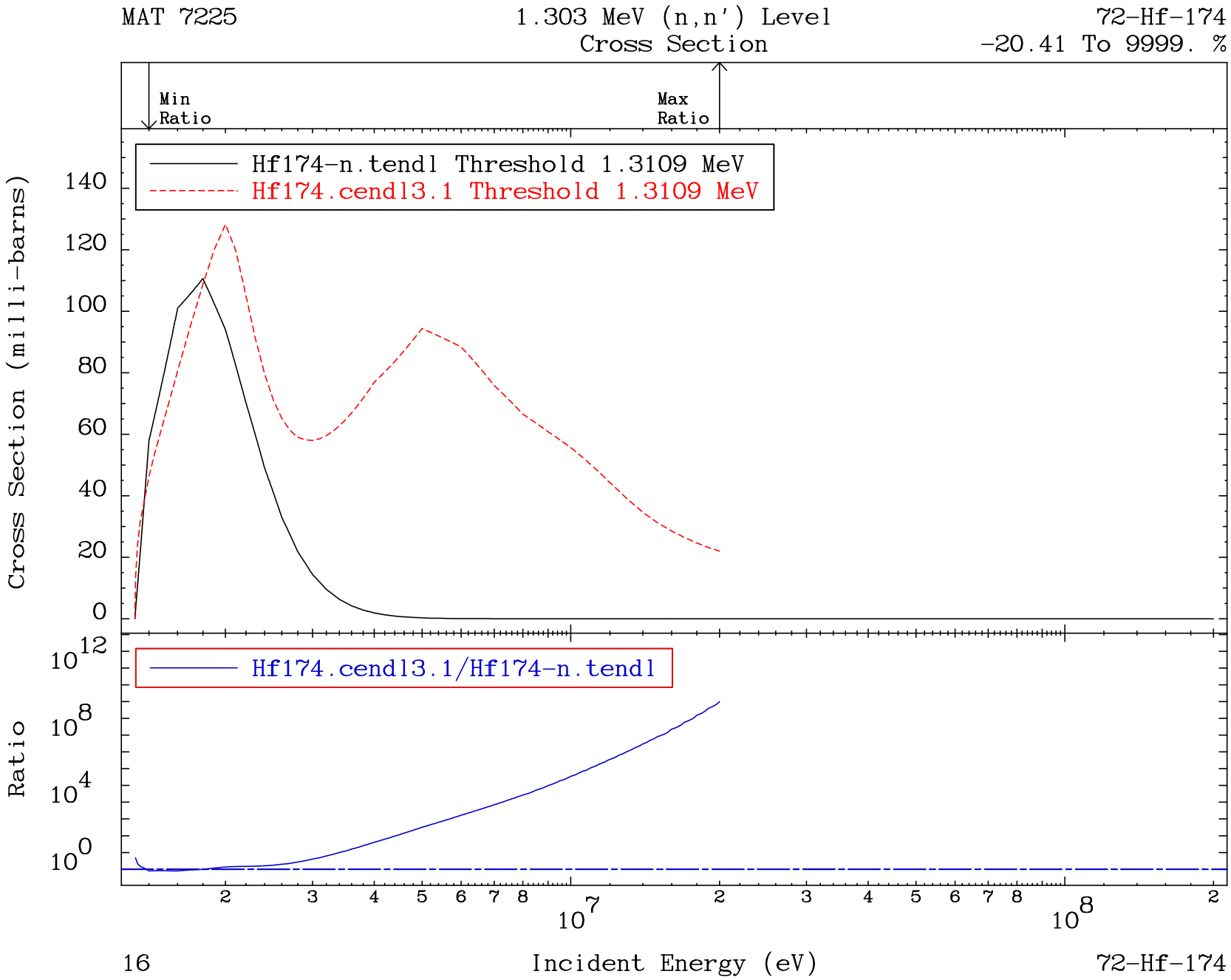

MAT 7225
828.1 keV (n,n') Level
Cross Section
72-Hf-174
-32.43 To 9999. %
Min
Ratio
Max
Ratio
Hf174-n.tendl Threshold 832.93 keV
Hf174.cendl3.1 Threshold 832.93 keV
Cross Section (milli-barns)
200
150
100
50
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
72-Hf-174

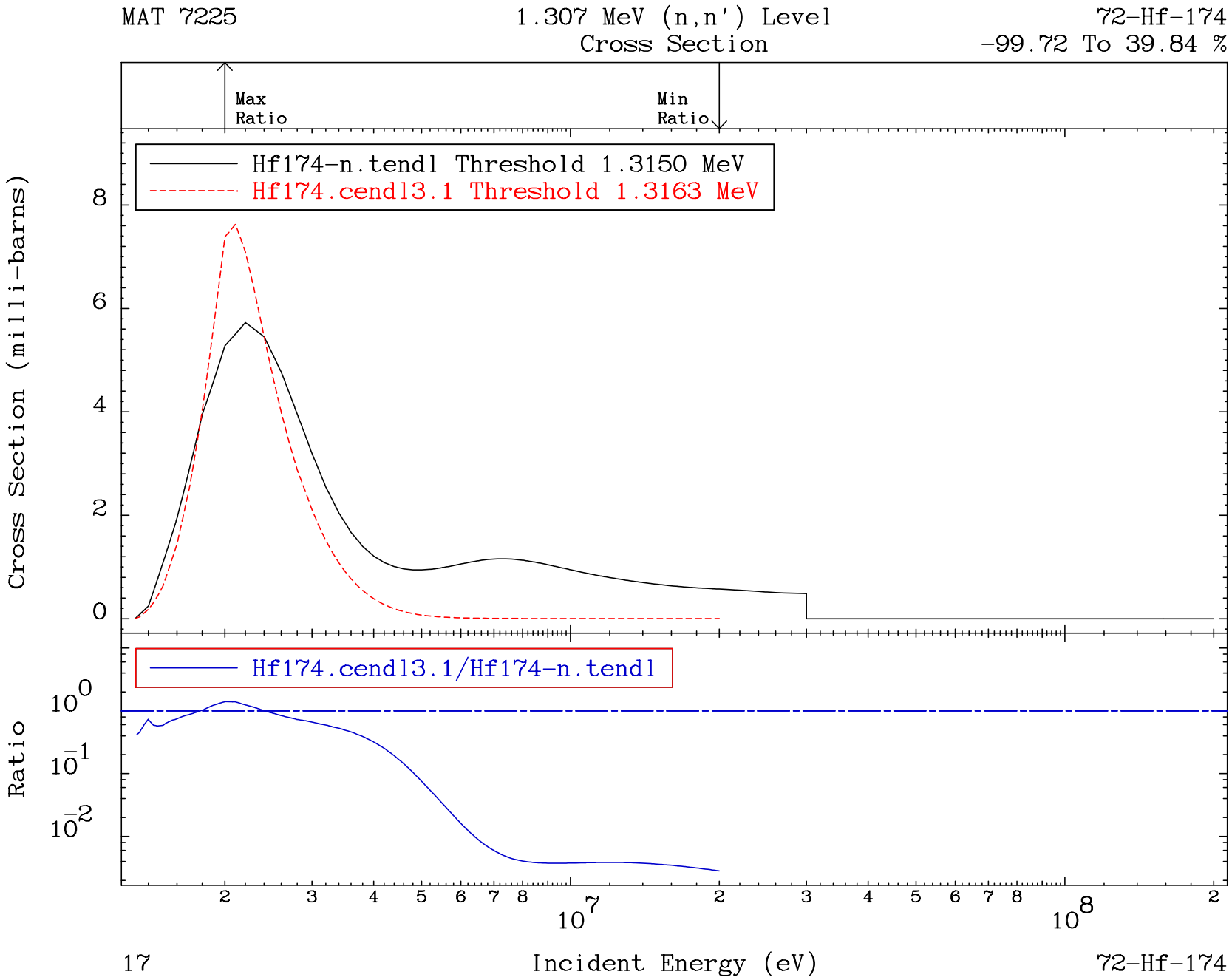

MAT 7225
900.2 keV (n,n') Level
Cross Section
72-Hf-174
-24.26 To 2398. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 905.46 keV
Hf174.cendl3.1 Threshold 905.46 keV
Cross Section (milli-barns)
400
300
200
100
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^1
4
10^0
4
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8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

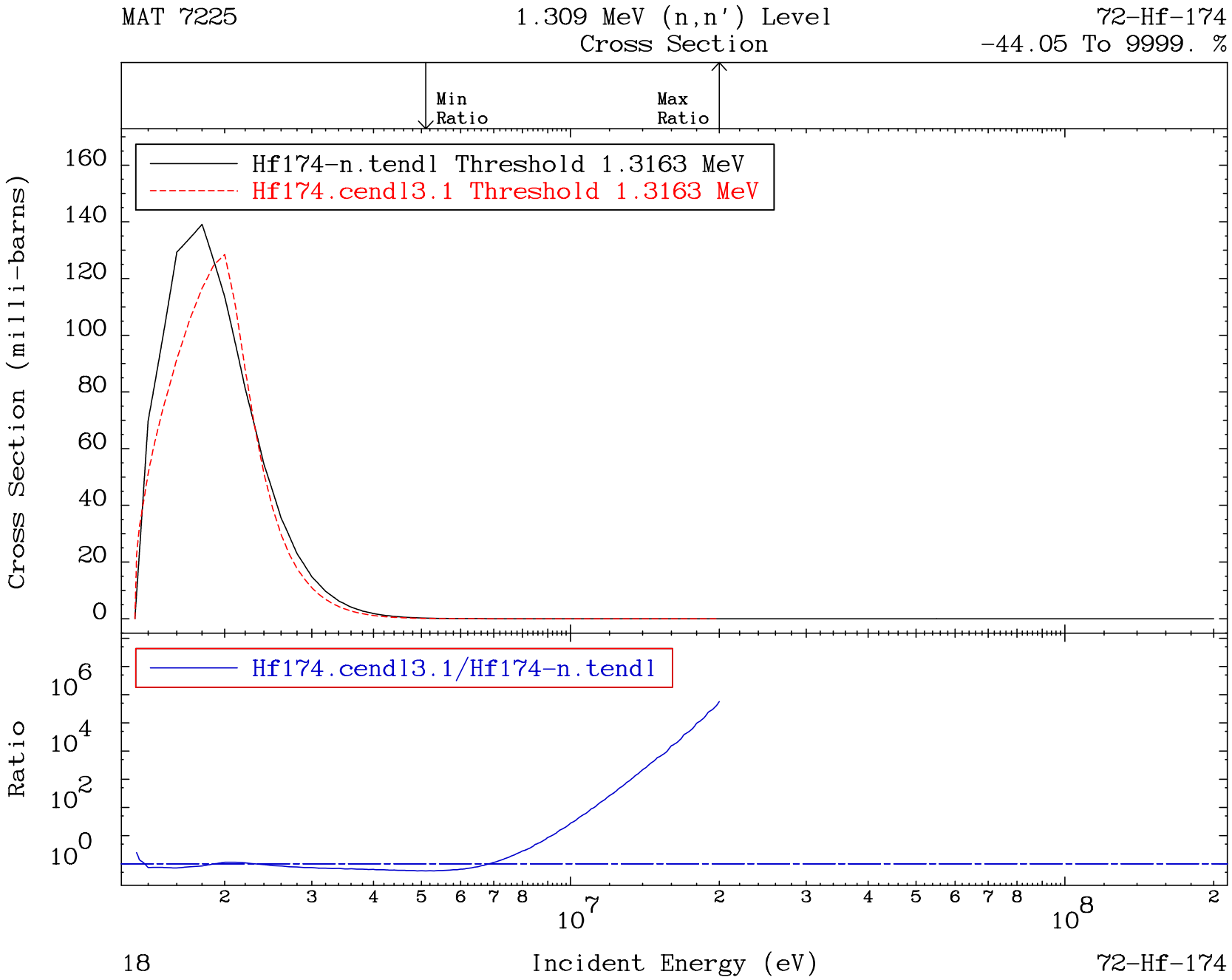

MAT 7225
1.010 MeV (n,n') Level
Cross Section
72-Hf-174
-99.30 To 73.07 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.0155 MeV
Hf174.cendl3.1 Threshold 1.0684 MeV
Cross Section (micro-barns)
800
600
400
200
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^{0}
10^{-1}
10^{-2}
10^{6}
10^{7}
10^{8}
13
Incident Energy (eV)
72-Hf-174

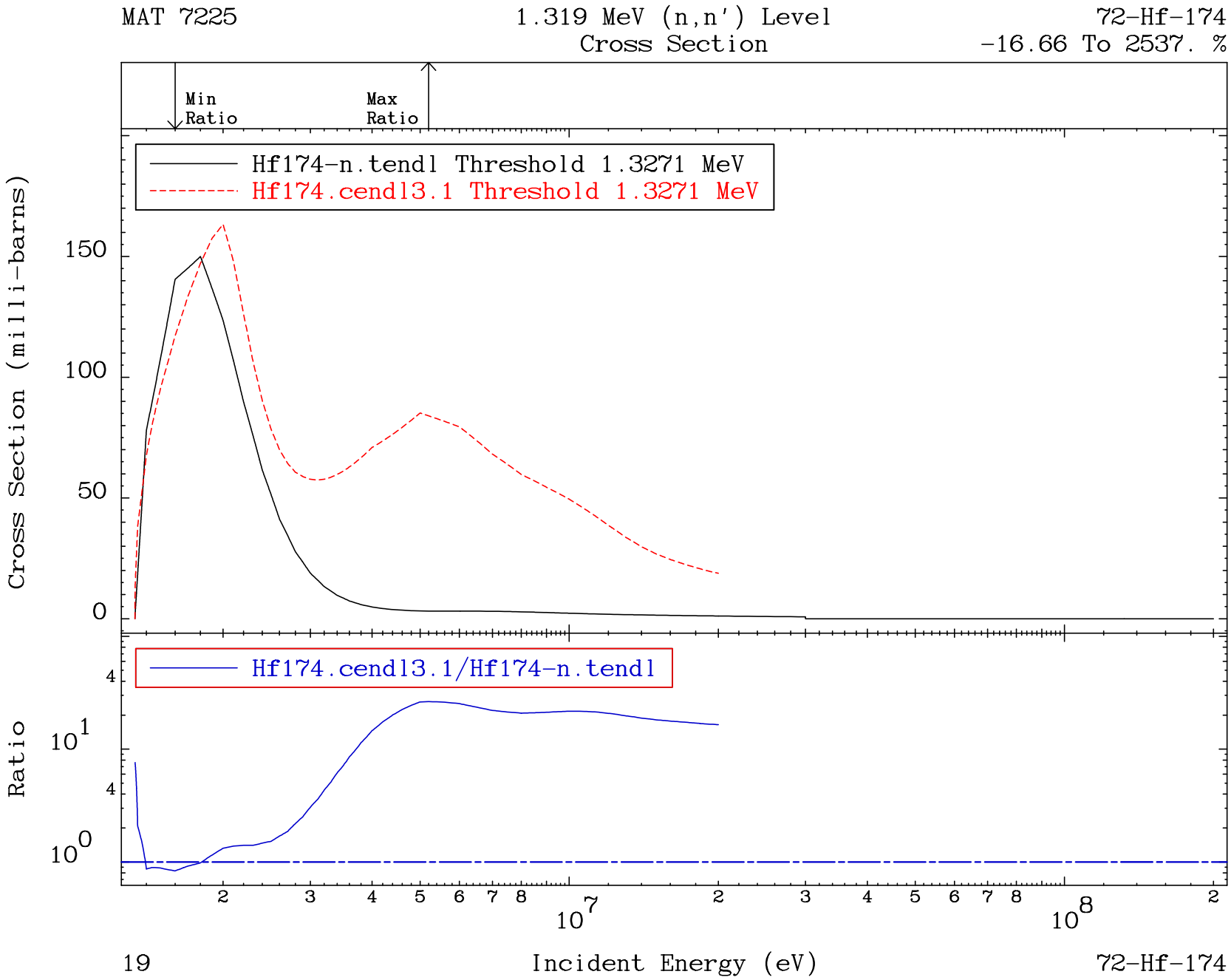

MAT 7225
1.062 MeV (n,n') Level
Cross Section
72-Hf-174
-99.56 To 18.47 %
Max
Ratio
Min
Ratio
Hf174-n.tendl Threshold 1.0683 MeV
Hf174.cendl3.1 Threshold 1.0683 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
72-Hf-174

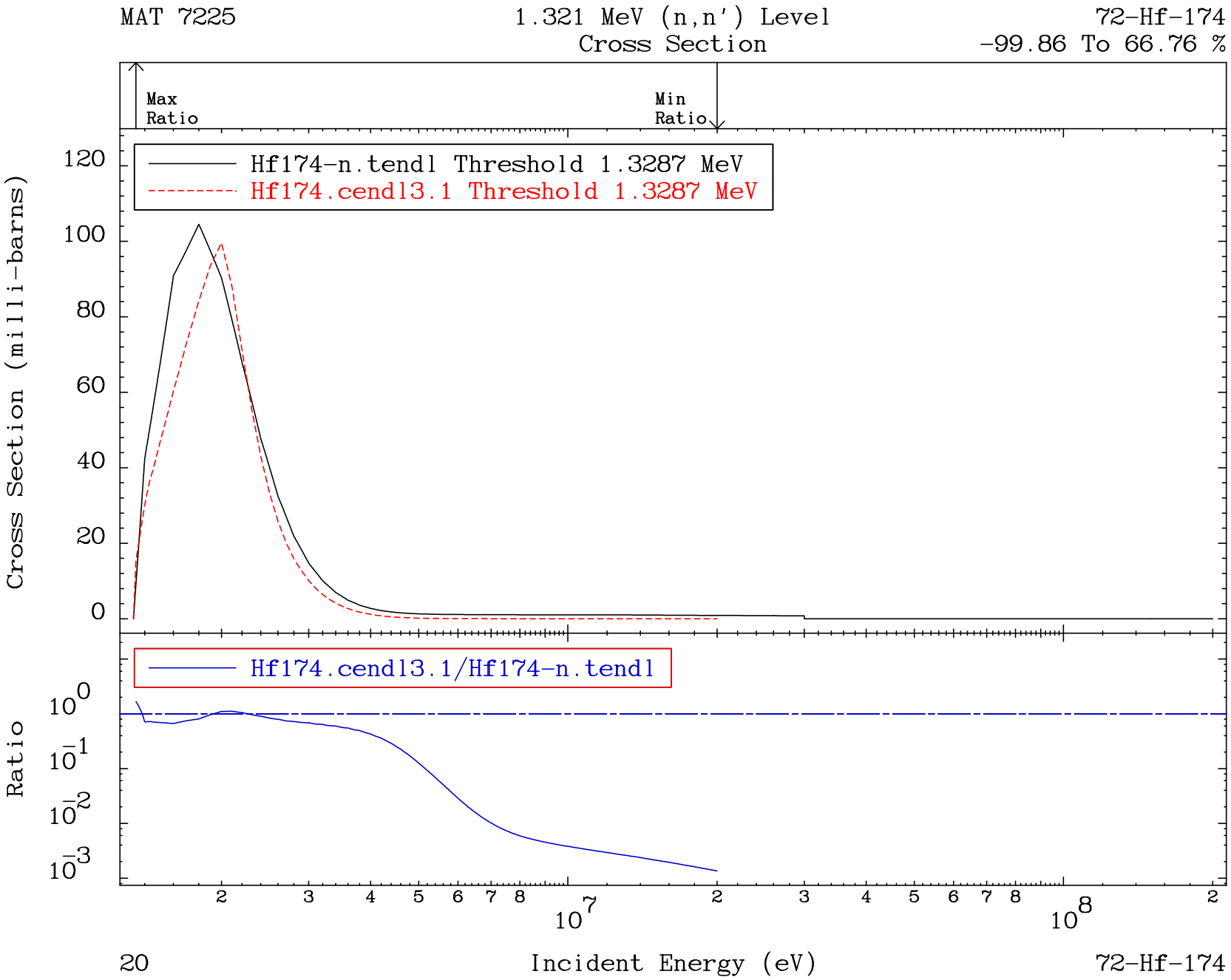

MAT 7225
1.227 MeV (n,n') Level
Cross Section
72-Hf-174
-21.52 To 2512. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 1.2339 MeV
Hf174.cendl3.1 Threshold 1.2339 MeV
Cross Section (milli-barns)
200
150
100
50
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
4
10^1
4
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15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

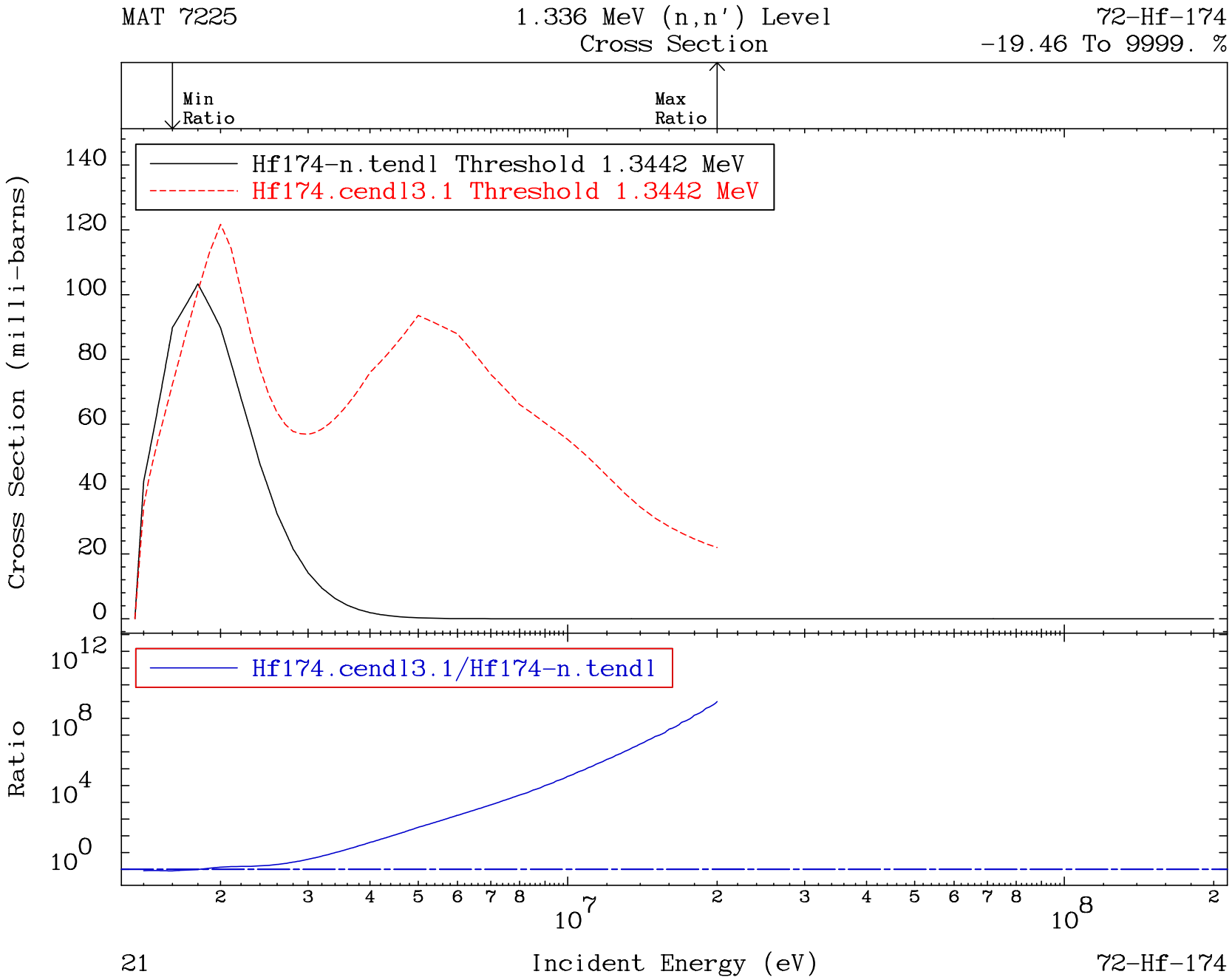

MAT 7225
1.303 MeV (n,n') Level
Cross Section
72-Hf-174
-20.41 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 1.3109 MeV
Hf174.cendl3.1 Threshold 1.3109 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5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

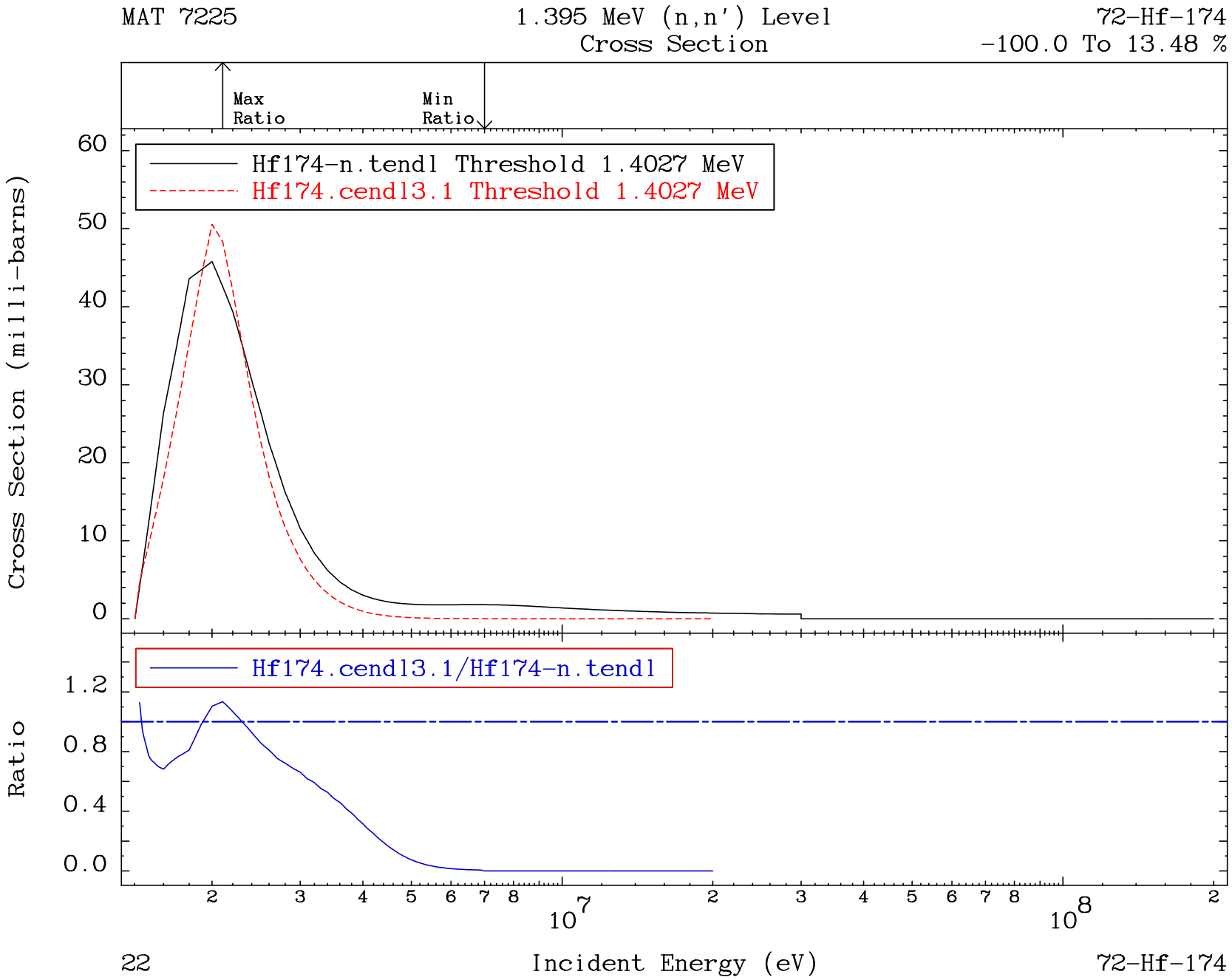

MAT 7225
1.307 MeV (n,n') Level
Cross Section
72-Hf-174
-99.72 To 39.84 %
Max
Ratio
Min
Ratio
Hf174-n.tendl Threshold 1.3150 MeV
Hf174.cendl3.1 Threshold 1.3163 MeV
Cross Section (milli-barns)
0
2
4
6
8
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
10^7
10^8
17
Incident Energy (eV)
72-Hf-174

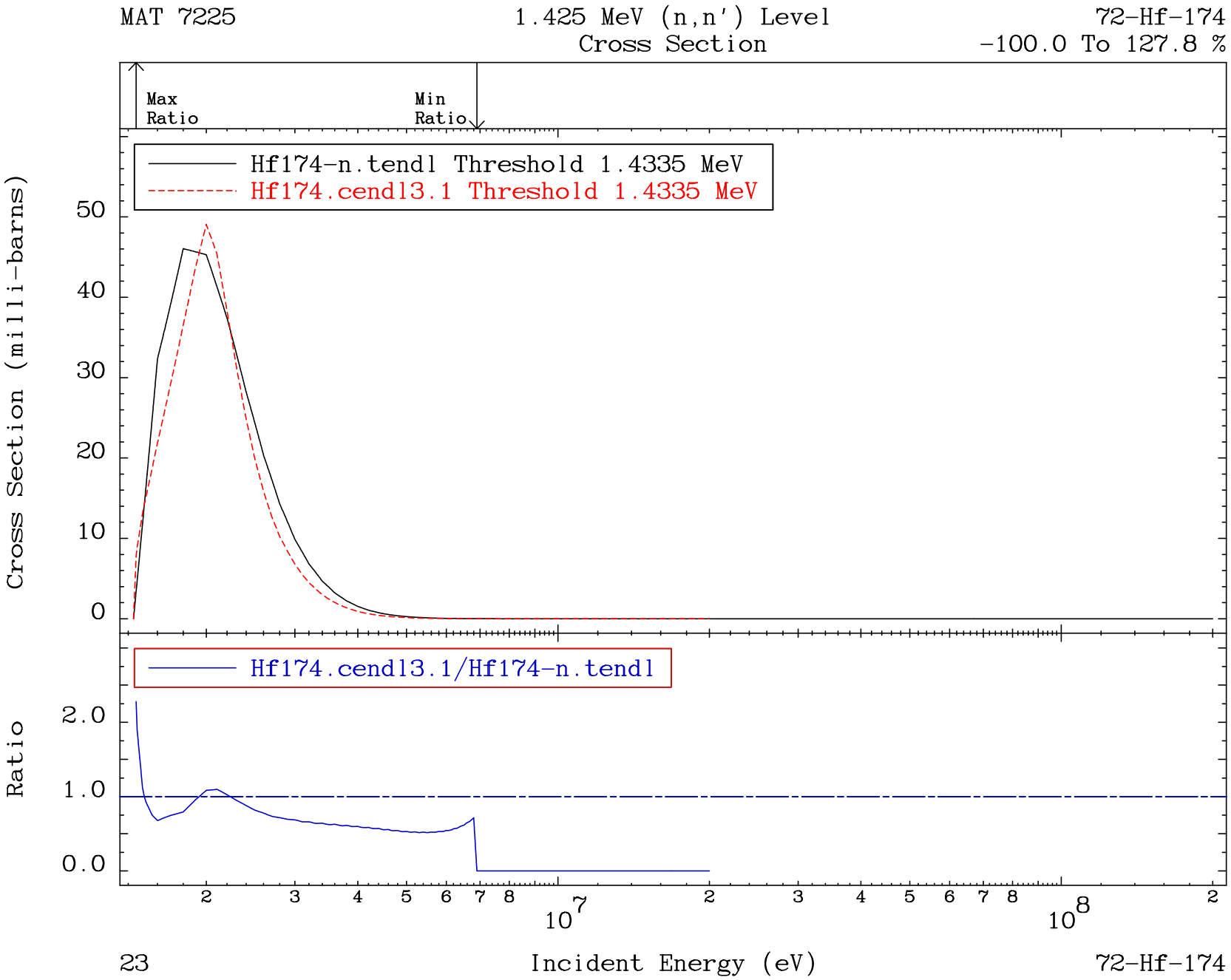

MAT 7225
1.309 MeV (n,n') Level
Cross Section
72-Hf-174
-44.05 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 1.3163 MeV
Hf174.cendl3.1 Threshold 1.3163 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
72-Hf-174

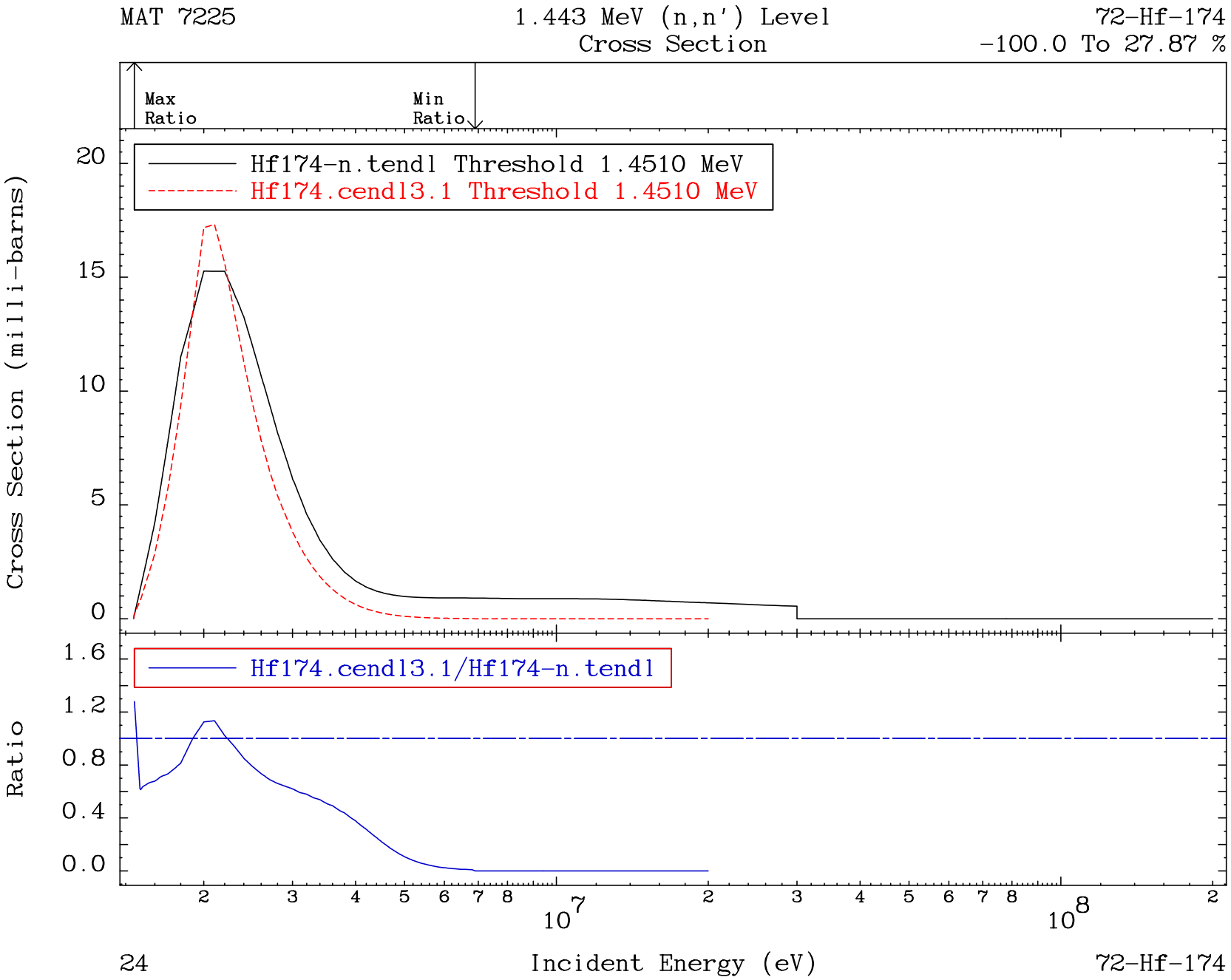

MAT 7225
1.319 MeV (n,n') Level
Cross Section
72-Hf-174
-16.66 To 2537. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 1.3271 MeV
Hf174.cendl3.1 Threshold 1.3271 MeV
Cross Section (milli-barns)
150
100
50
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
4
10^1
4
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident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

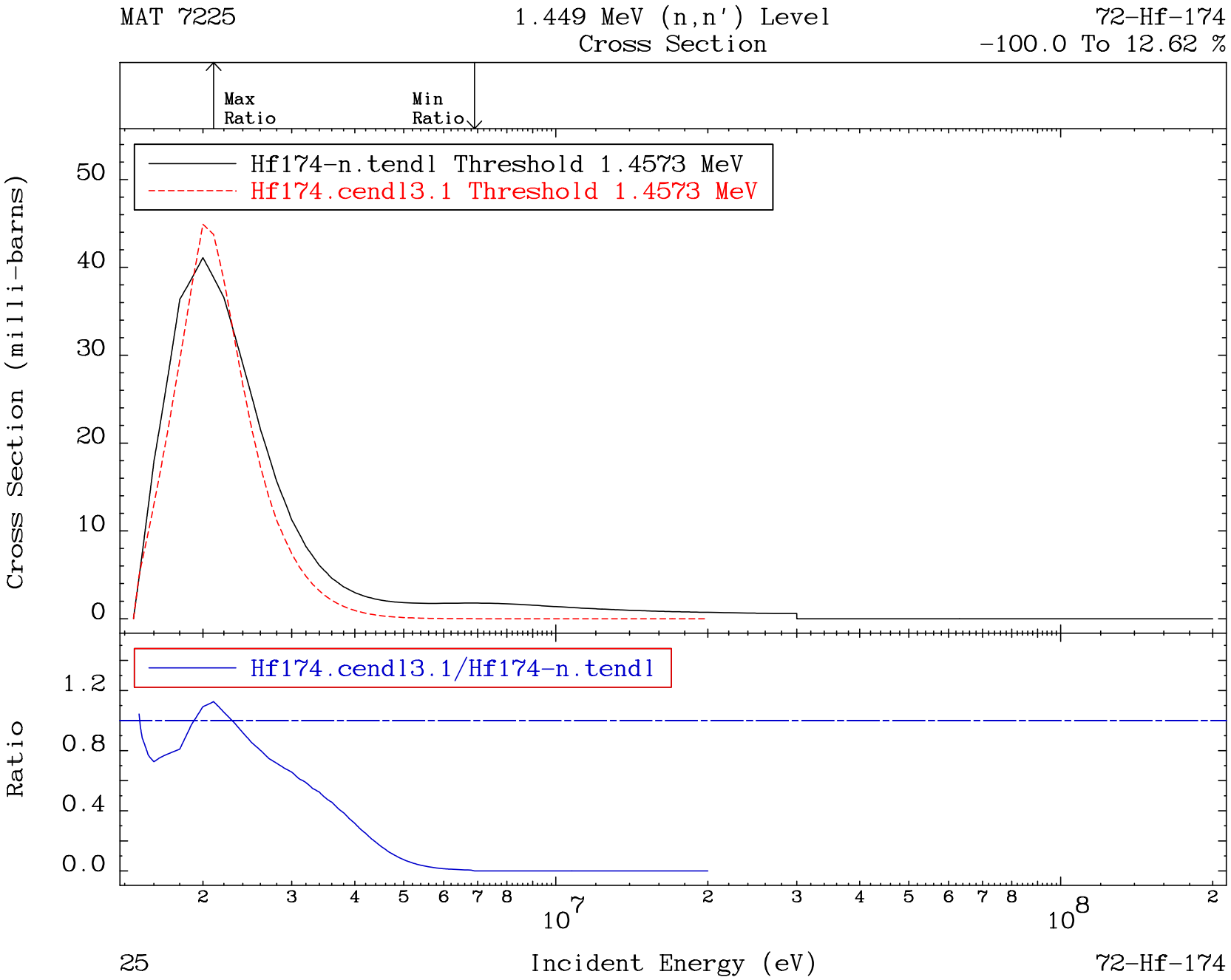

MAT 7225
1.321 MeV (n,n') Level
Cross Section
72-Hf-174
-99.86 To 66.76 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.3287 MeV
Hf174.cendl3.1 Threshold 1.3287 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2 3 4 5 6 7 8
10^7
2 3 4 5 6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

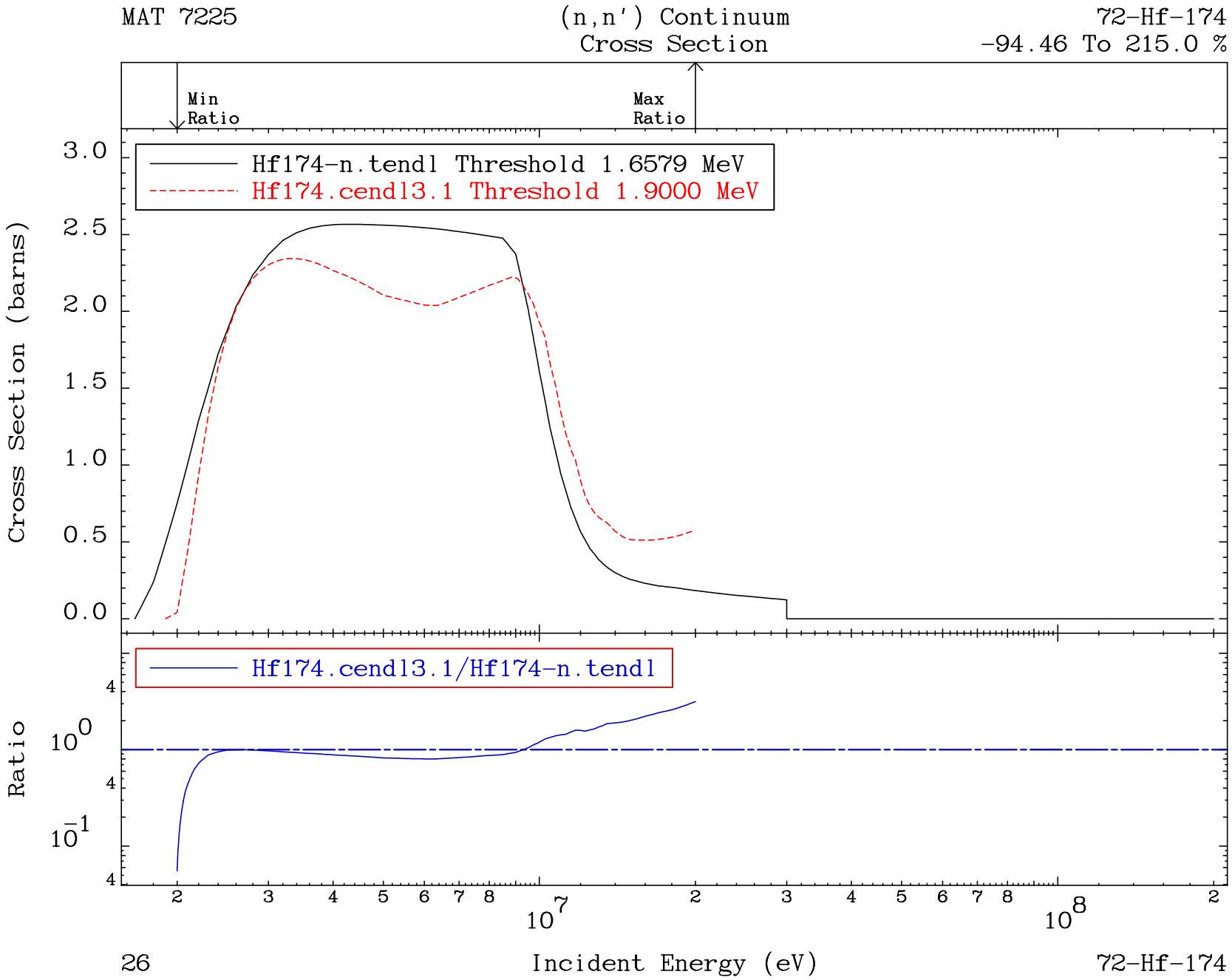

MAT 7225
1.336 MeV (n,n') Level
Cross Section
72-Hf-174
-19.46 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 1.3442 MeV
Hf174.cendl3.1 Threshold 1.3442 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5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

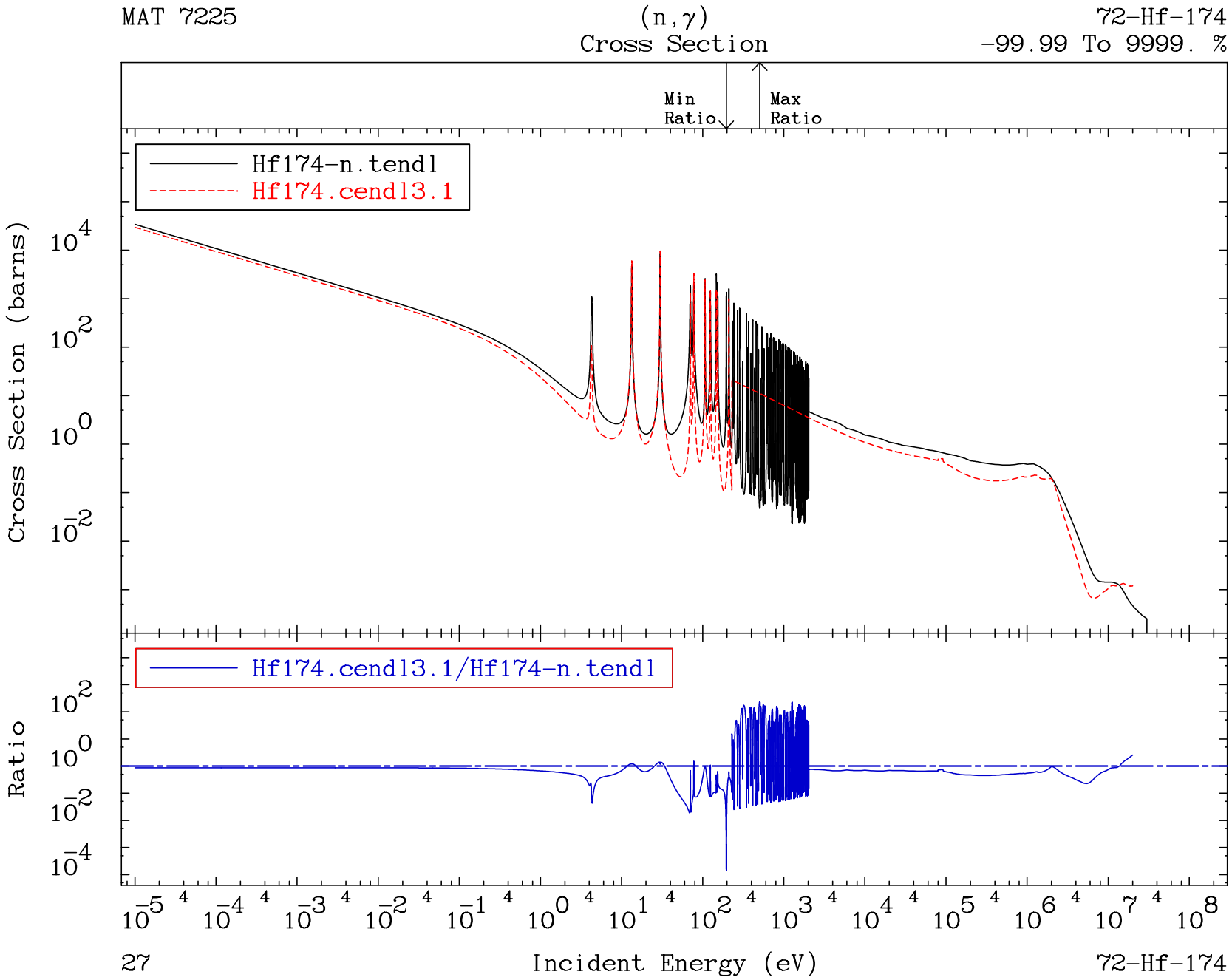

MAT 7225
1.395 MeV (n,n') Level
Cross Section
72-Hf-174
-100.0 To 13.48 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.4027 MeV
Hf174.cendl3.1 Threshold 1.4027 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
72-Hf-174

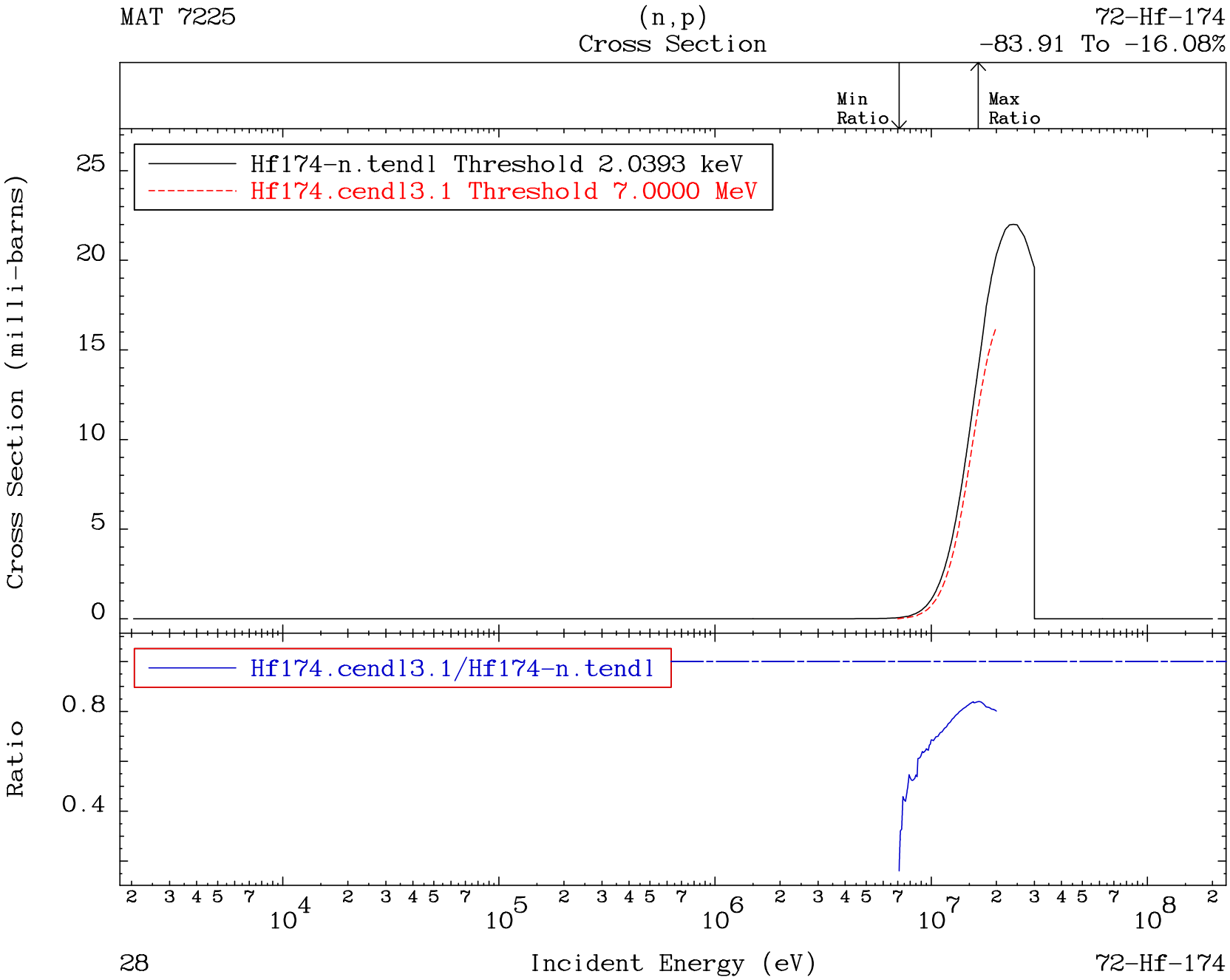

MAT 7225
1.425 MeV (n,n') Level
Cross Section
72-Hf-174
-100.0 To 127.8 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.4335 MeV
Hf174.cendl3.1 Threshold 1.4335 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
2.0
1.0
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident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

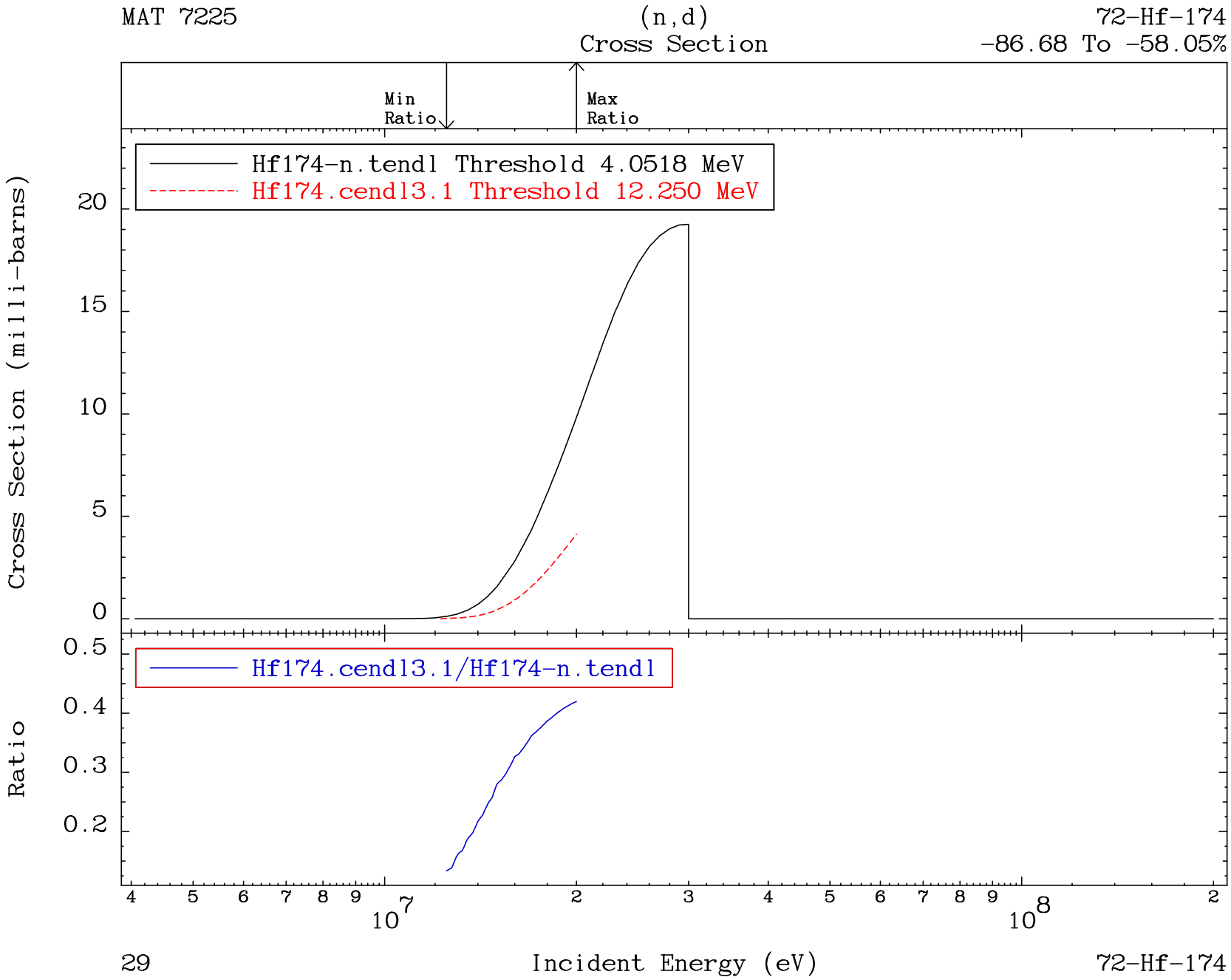

MAT 7225
1.443 MeV (n,n') Level
Cross Section
72-Hf-174
-100.0 To 27.87 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.4510 MeV
Hf174.cendl3.1 Threshold 1.4510 MeV
Cross Section (milli-barns)
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
1.6
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
72-Hf-174

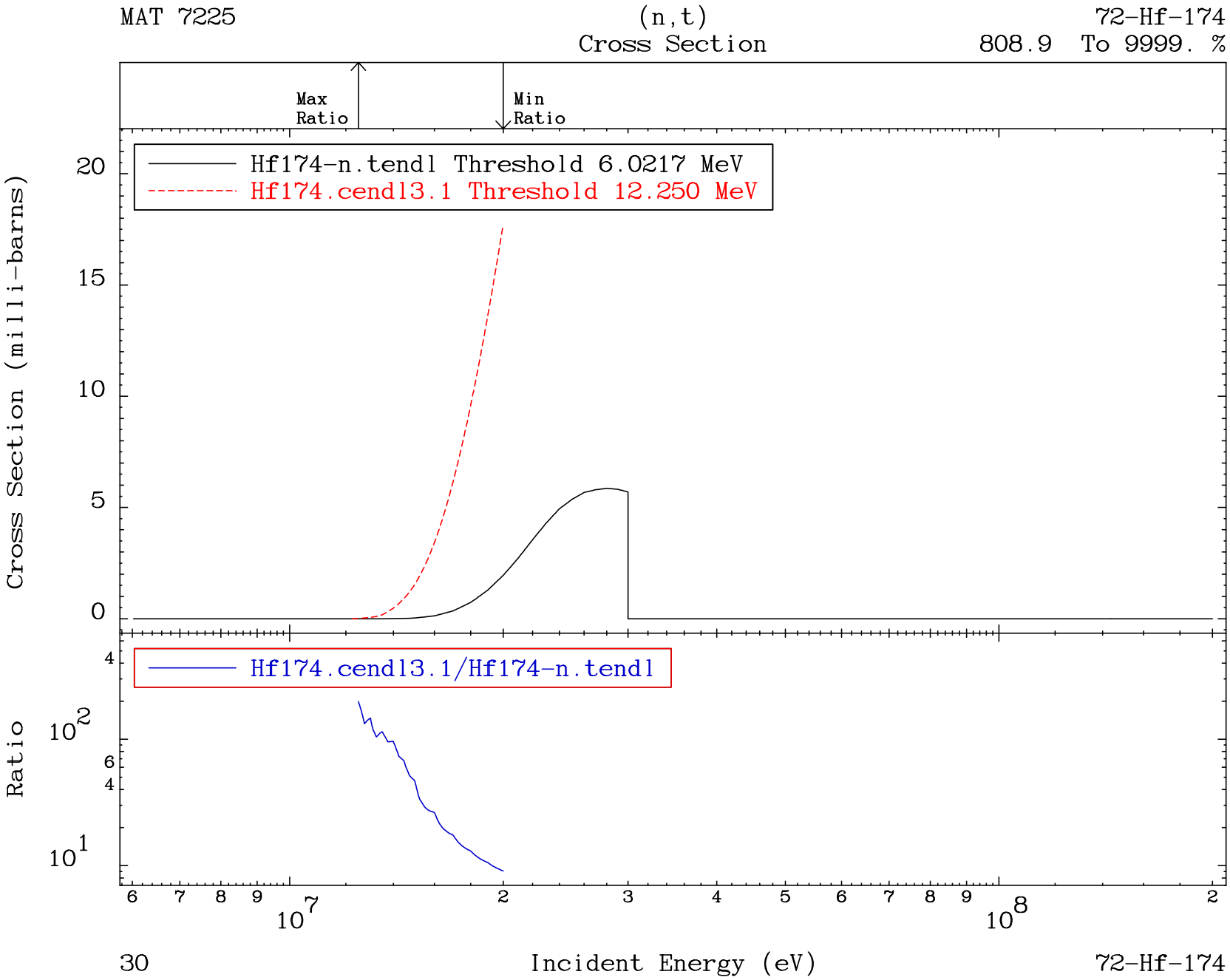

MAT 7225
1.449 MeV (n,n') Level
Cross Section
72-Hf-174
-100.0 To 12.62 %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 1.4573 MeV
Hf174.cendl3.1 Threshold 1.4573 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
72-Hf-174

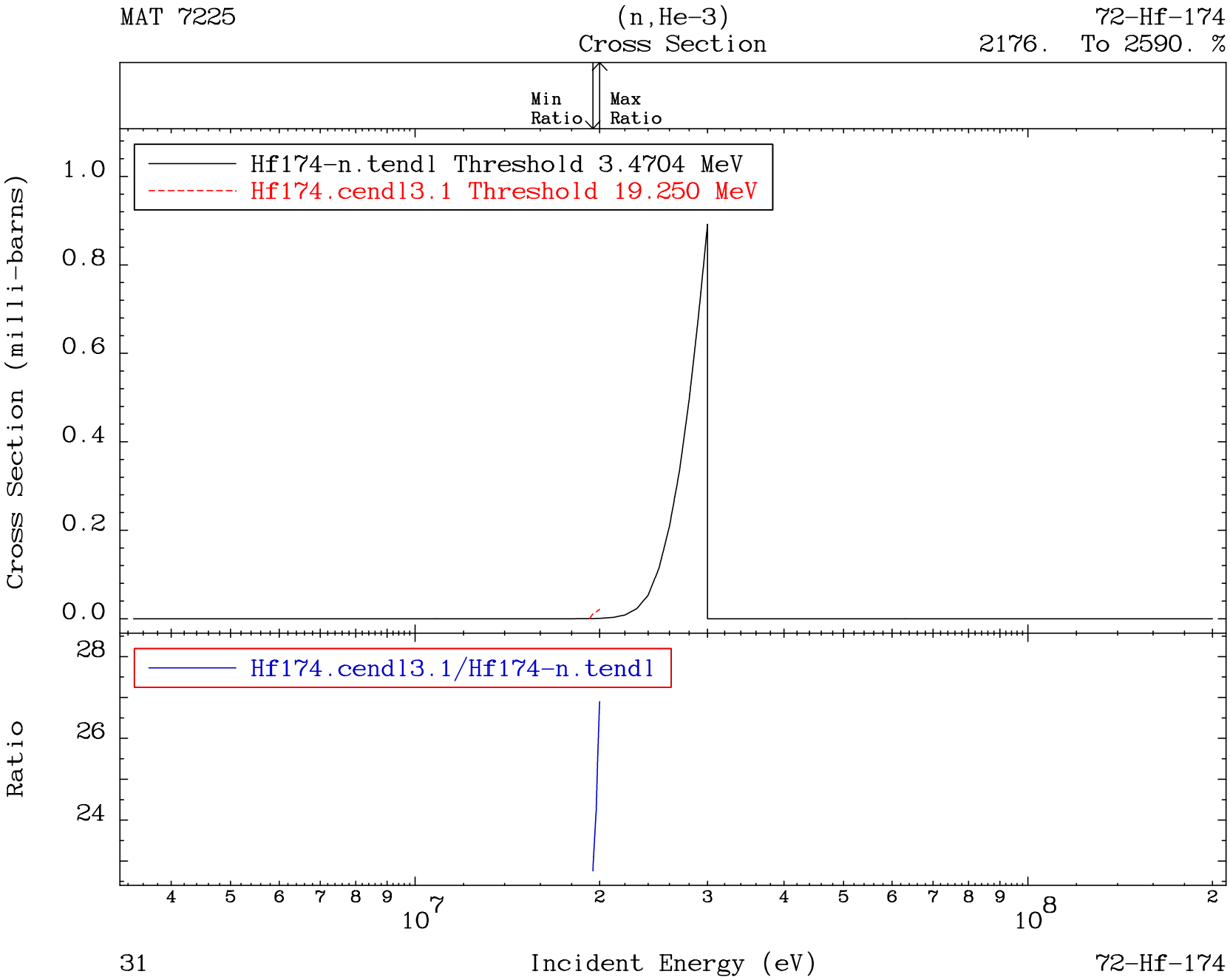

MAT 7225
(n,n') Continuum
Cross Section
72-Hf-174
-94.46 To 215.0 %
Min
Ratio
Max
Ratio
Hf174-n.tendl Threshold 1.6579 MeV
Hf174.cendl3.1 Threshold 1.9000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-1
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
72-Hf-174

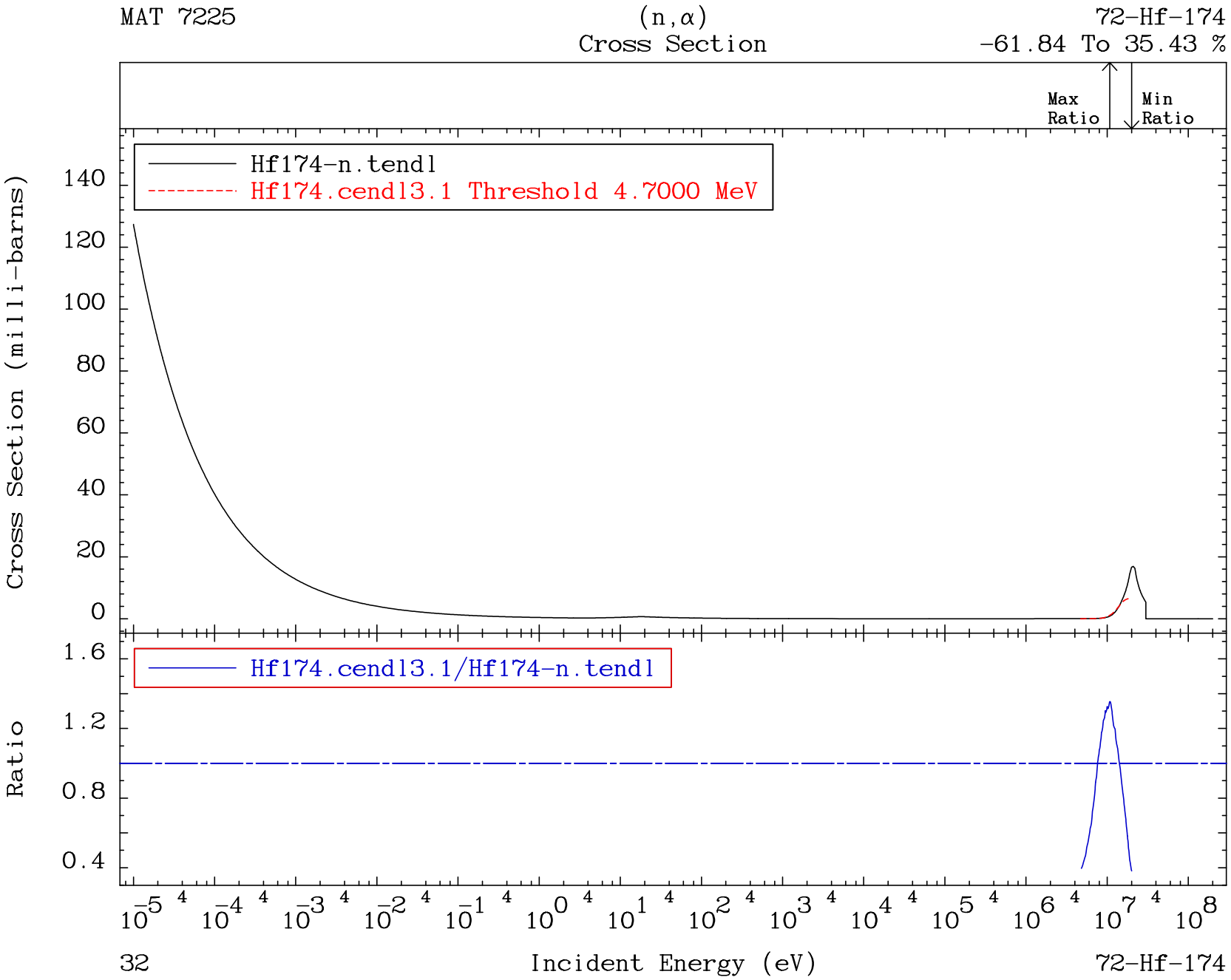

MAT 7225
(n,γ)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
27
72-Hf-174

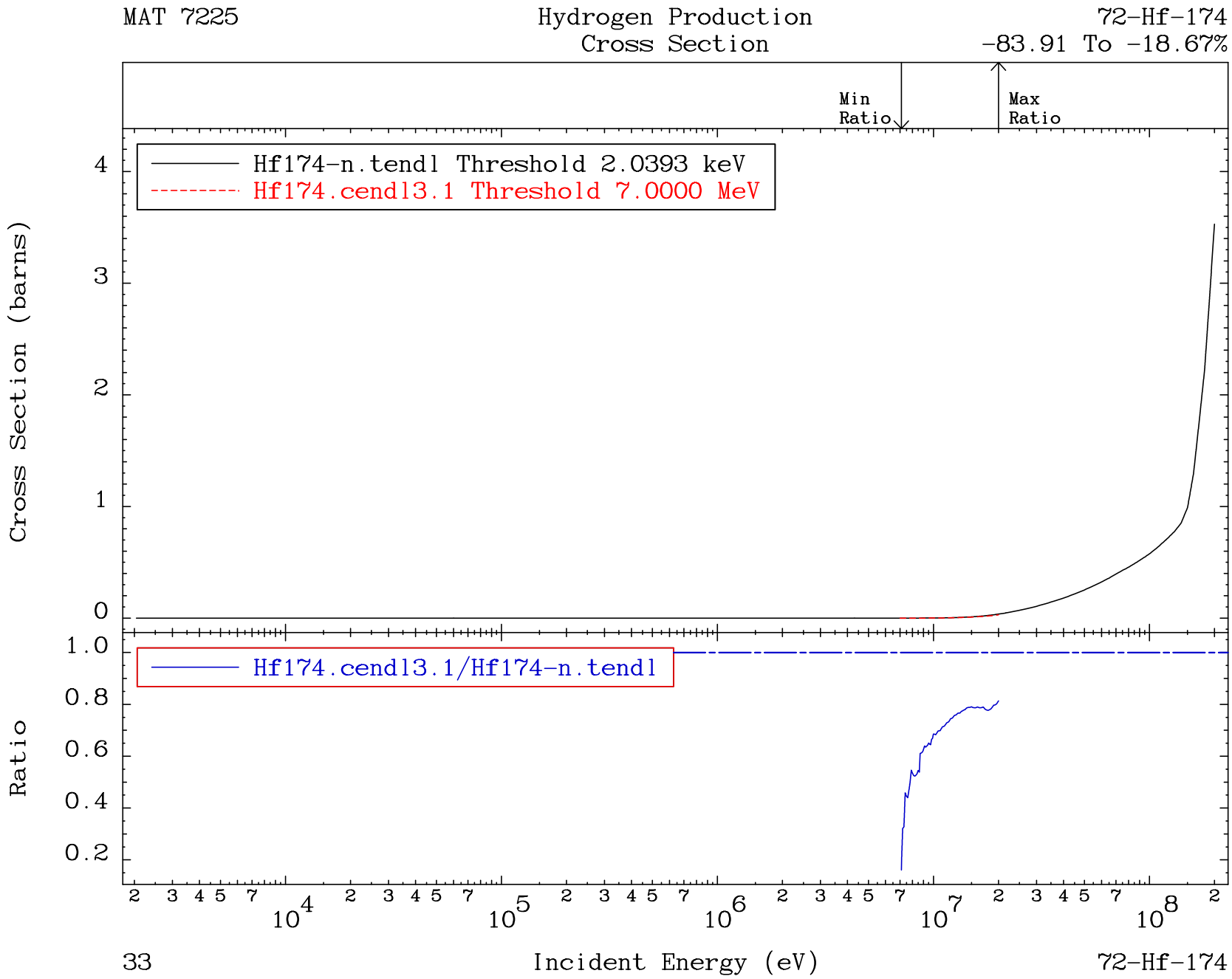

MAT 7225
(n,p)
Cross Section
72-Hf-174
-83.91 To -16.08%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 2.0393 keV
Hf174.cendl3.1 Threshold 7.0000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
0.8
0.4
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
28
Incident Energy (eV)
72-Hf-174

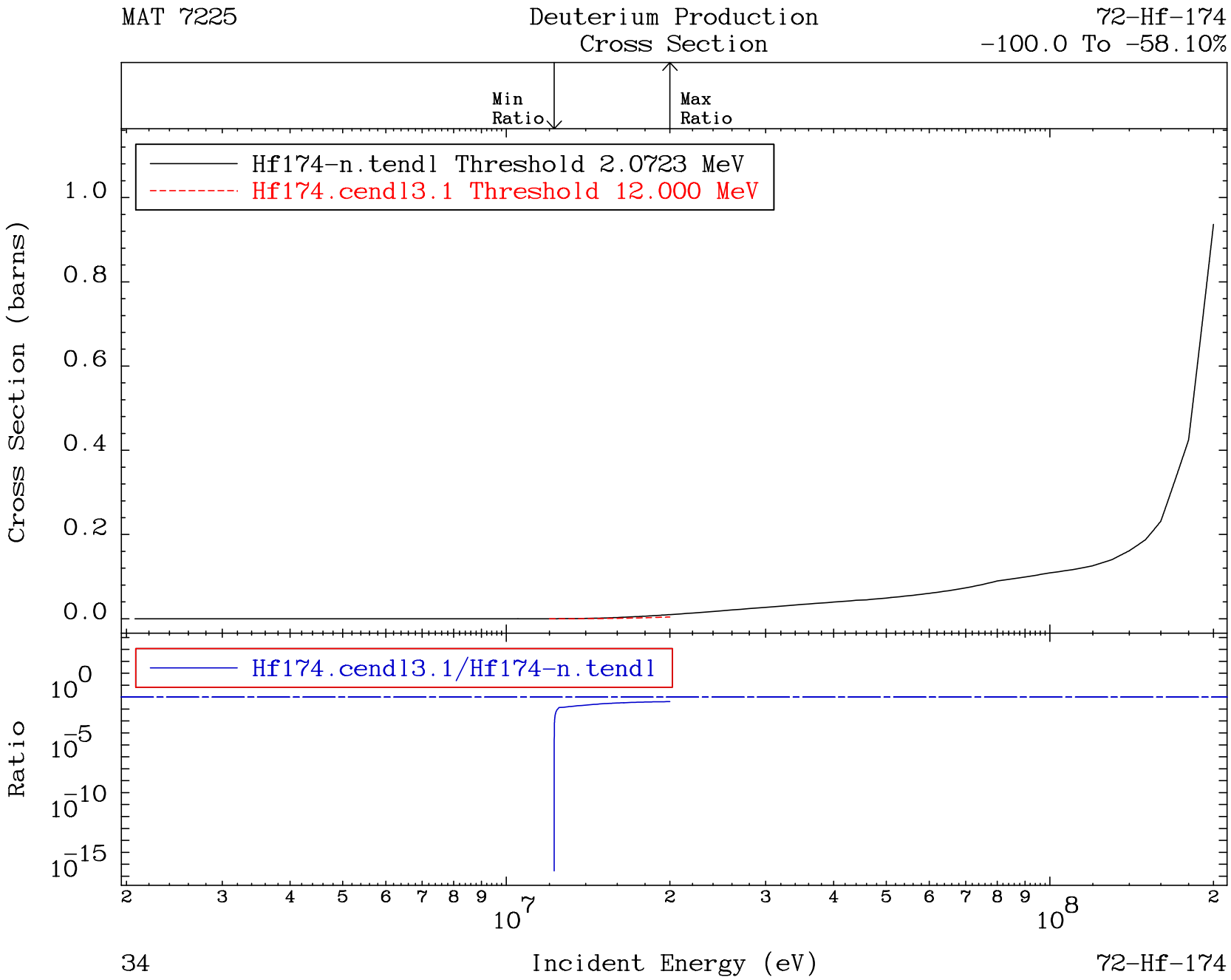

MAT 7225
(n,d)
Cross Section
72-Hf-174
-86.68 To -58.05%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 4.0518 MeV
Hf174.cendl3.1 Threshold 12.250 MeV
Cross Section (milli-barns)
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
0.5
0.4
0.3
0.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
72-Hf-174

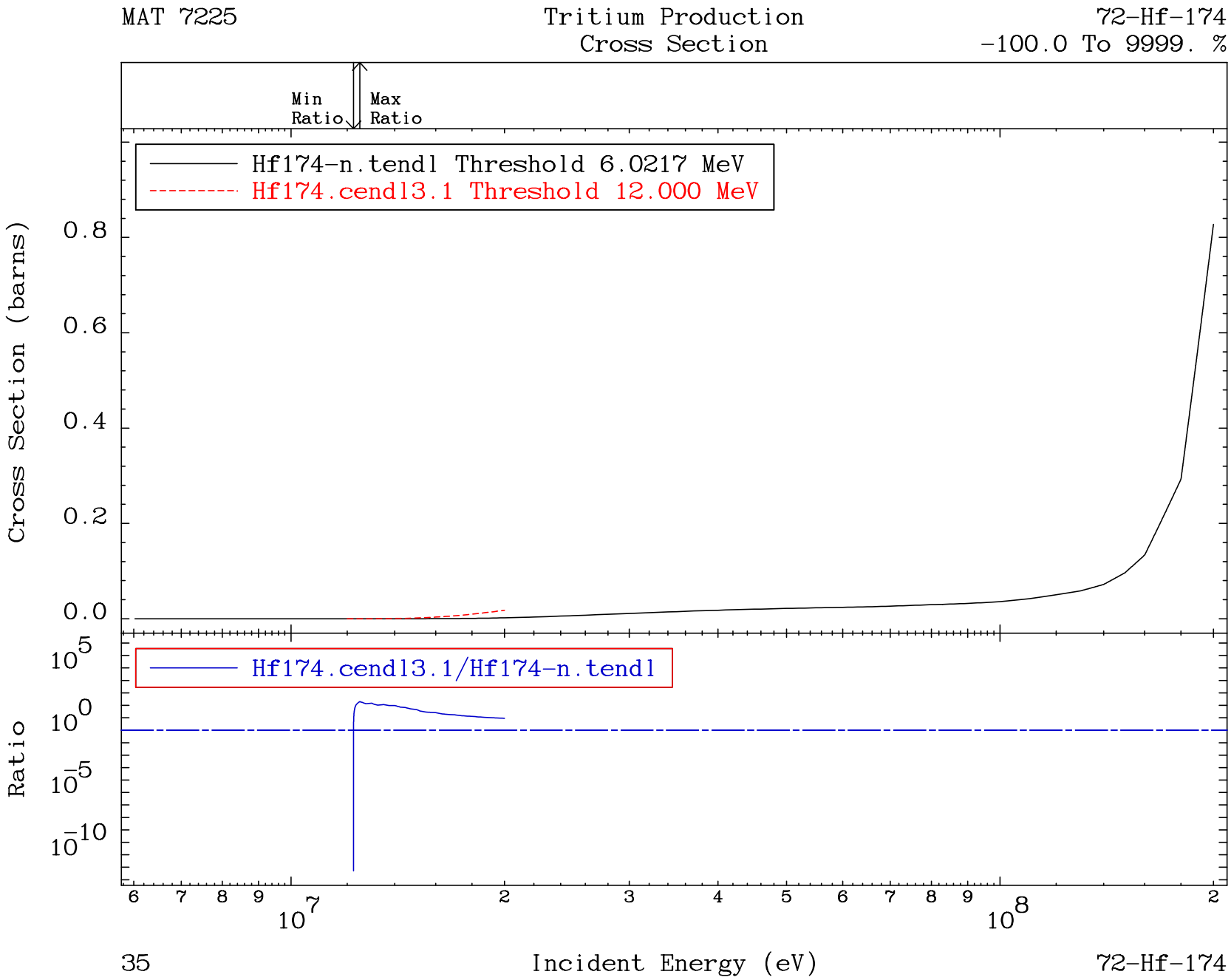

MAT 7225
(n,t)
Cross Section
72-Hf-174
808.9 To 9999. %
Max Ratio
Min Ratio
Hf174-n.tendl Threshold 6.0217 MeV
Hf174.cendl3.1 Threshold 12.250 MeV
Cross Section (milli-barns)
20
15
10
5
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
4
10^2
6
4
10^1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
72-Hf-174

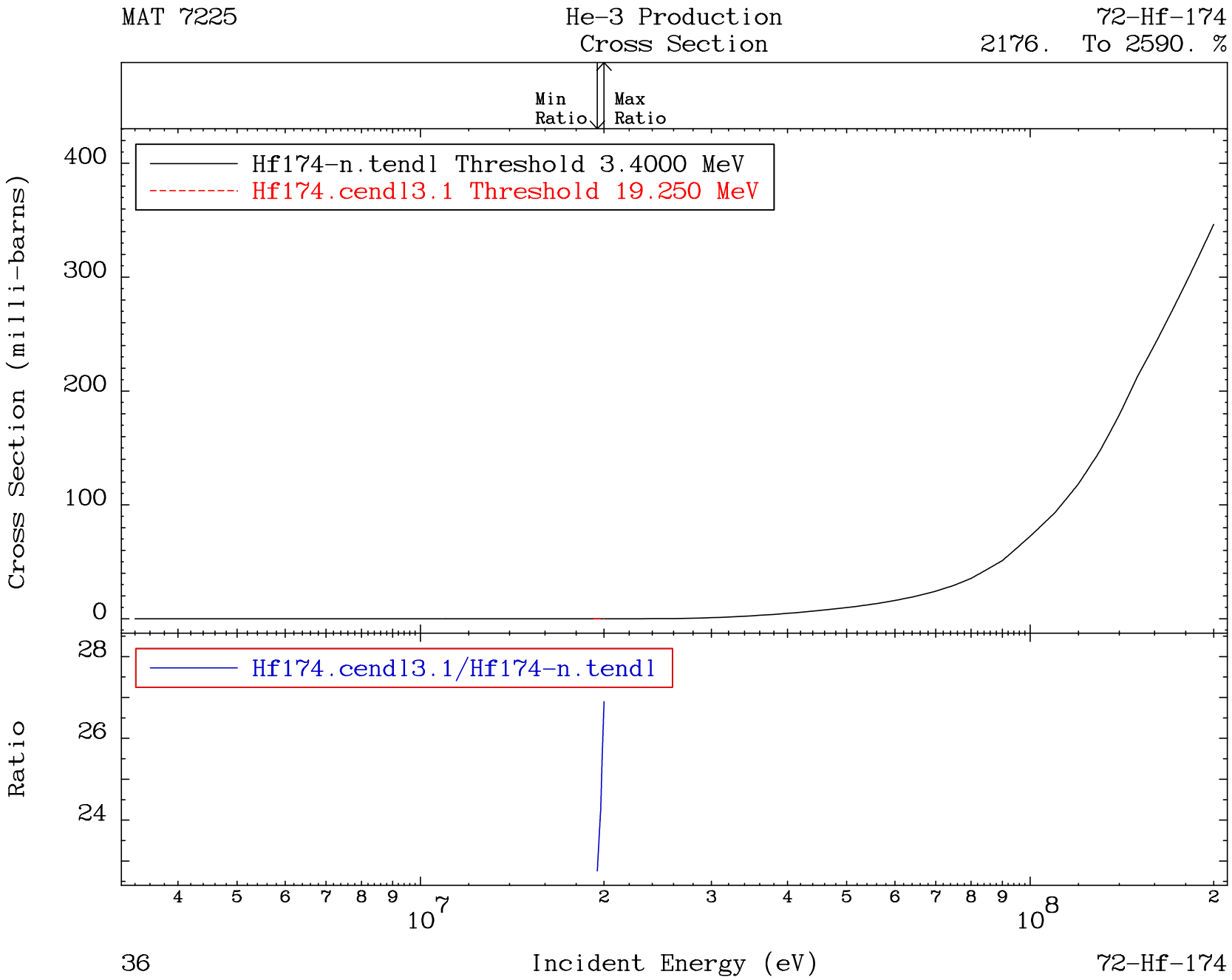

MAT 7225
(n,He-3)
Cross Section
72-Hf-174
2176. To 2590. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 3.4704 MeV
Hf174.cendl3.1 Threshold 19.250 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
28
26
24
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
72-Hf-174

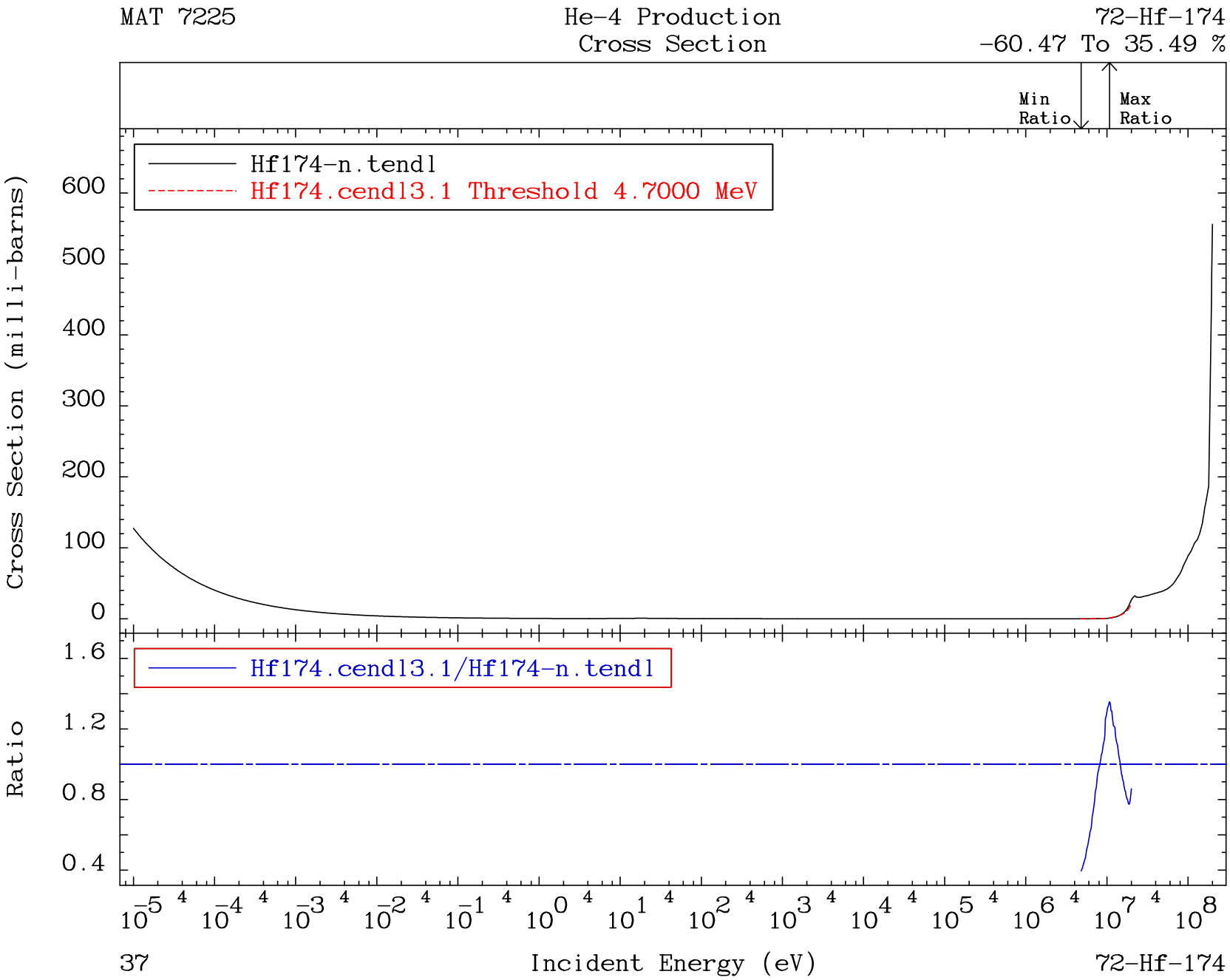

MAT 7225
(n,α)
Cross Section
72-Hf-174
-61.84 To 35.43 %
Max Ratio
Min Ratio
Hf174-n.tendl
Hf174.cendl3.1 Threshold 4.7000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
1.6
1.2
0.8
0.4
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
32
Incident Energy (eV)
72-Hf-174

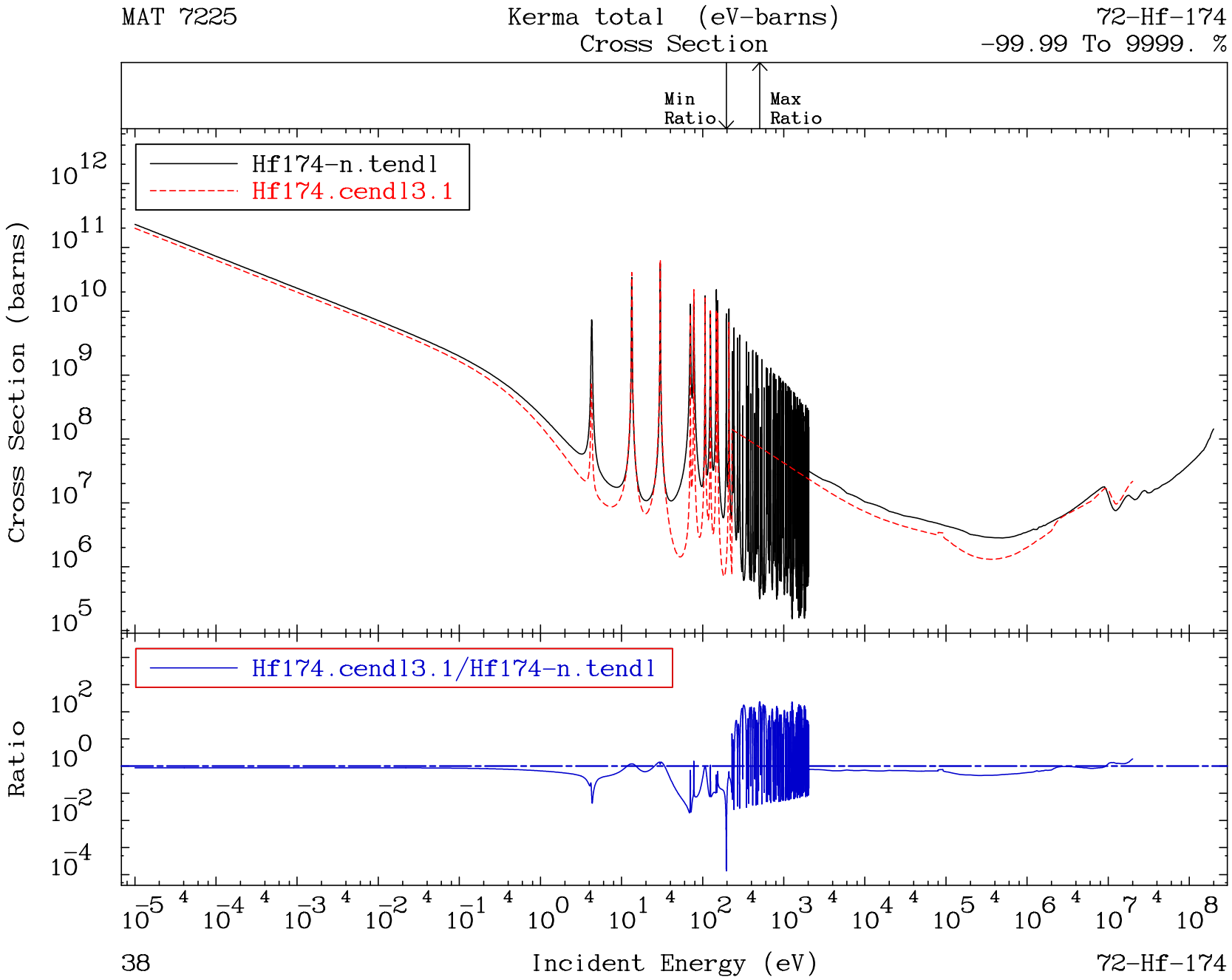

MAT 7225
Hydrogen Production
Cross Section
72-Hf-174
-83.91 To -18.67%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 2.0393 keV
Hf174.cendl3.1 Threshold 7.0000 MeV
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
33
72-Hf-174

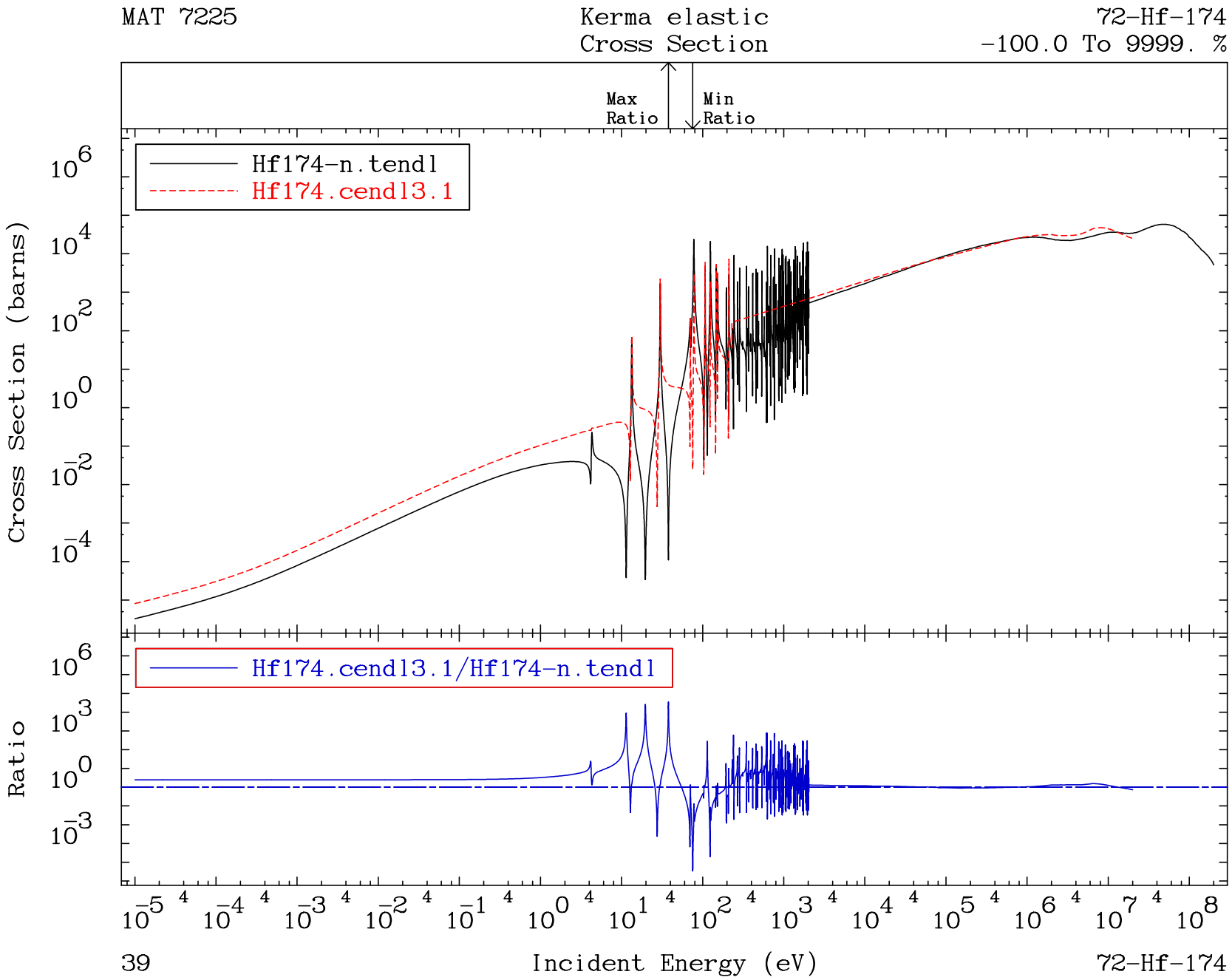

MAT 7225
Deuterium Production
Cross Section
72-Hf-174
-100.0 To -58.10%
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 2.0723 MeV
Hf174.cendl3.1 Threshold 12.000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^0
10^-5
10^-10
10^-15
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
72-Hf-174

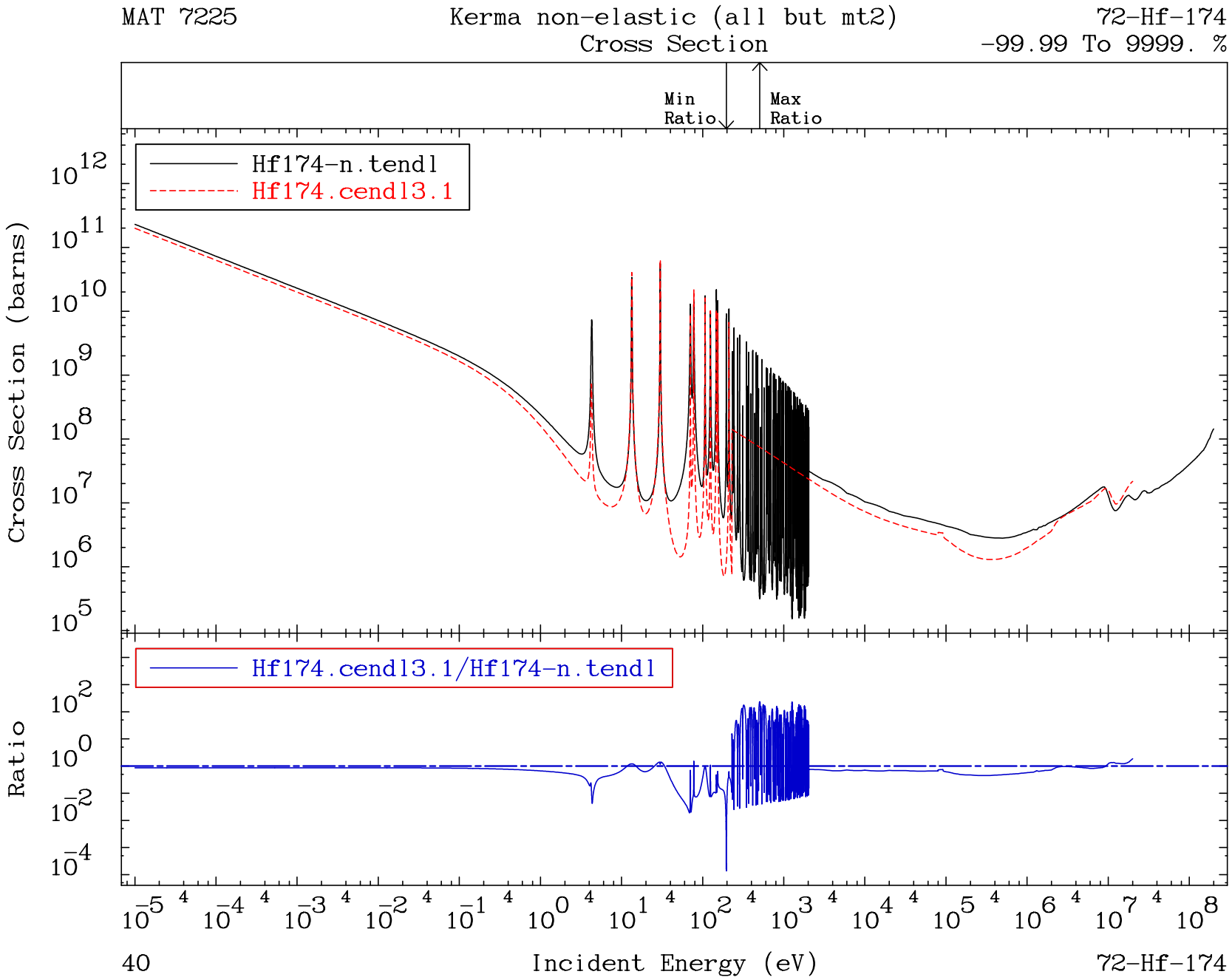

MAT 7225
Tritium Production
Cross Section
72-Hf-174
-100.0 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 6.0217 MeV
Hf174.cendl3.1 Threshold 12.000 MeV
Cross Section (barns)
0.0
0.2
0.4
0.6
0.8
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^5
10^0
10^-5
10^-10
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident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

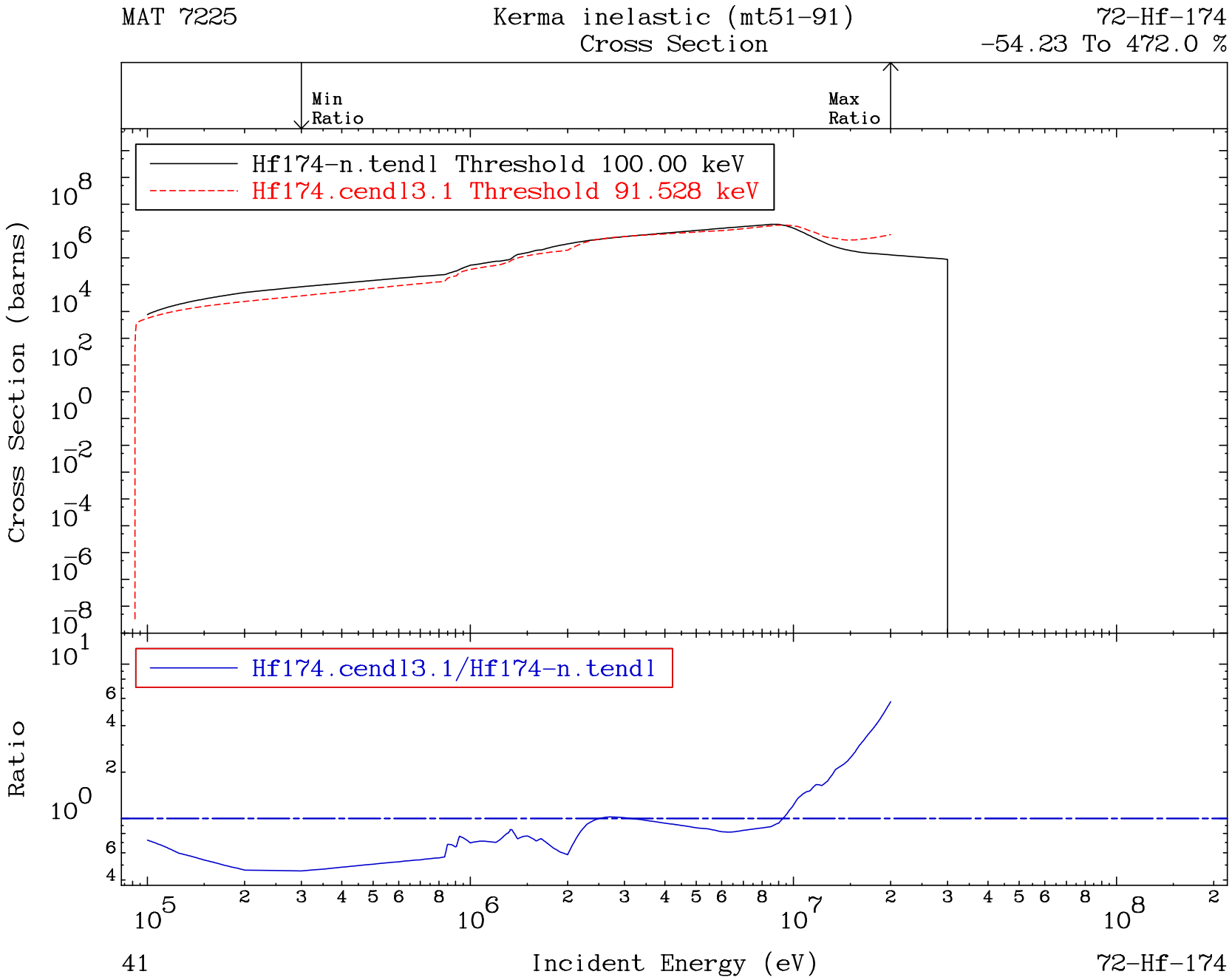

MAT 7225
He-3 Production
Cross Section
72-Hf-174
2176. To 2590. %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 3.4000 MeV
Hf174.cendl3.1 Threshold 19.250 MeV
Cross Section (milli-barns)
400
300
200
100
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
28
26
24
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
72-Hf-174

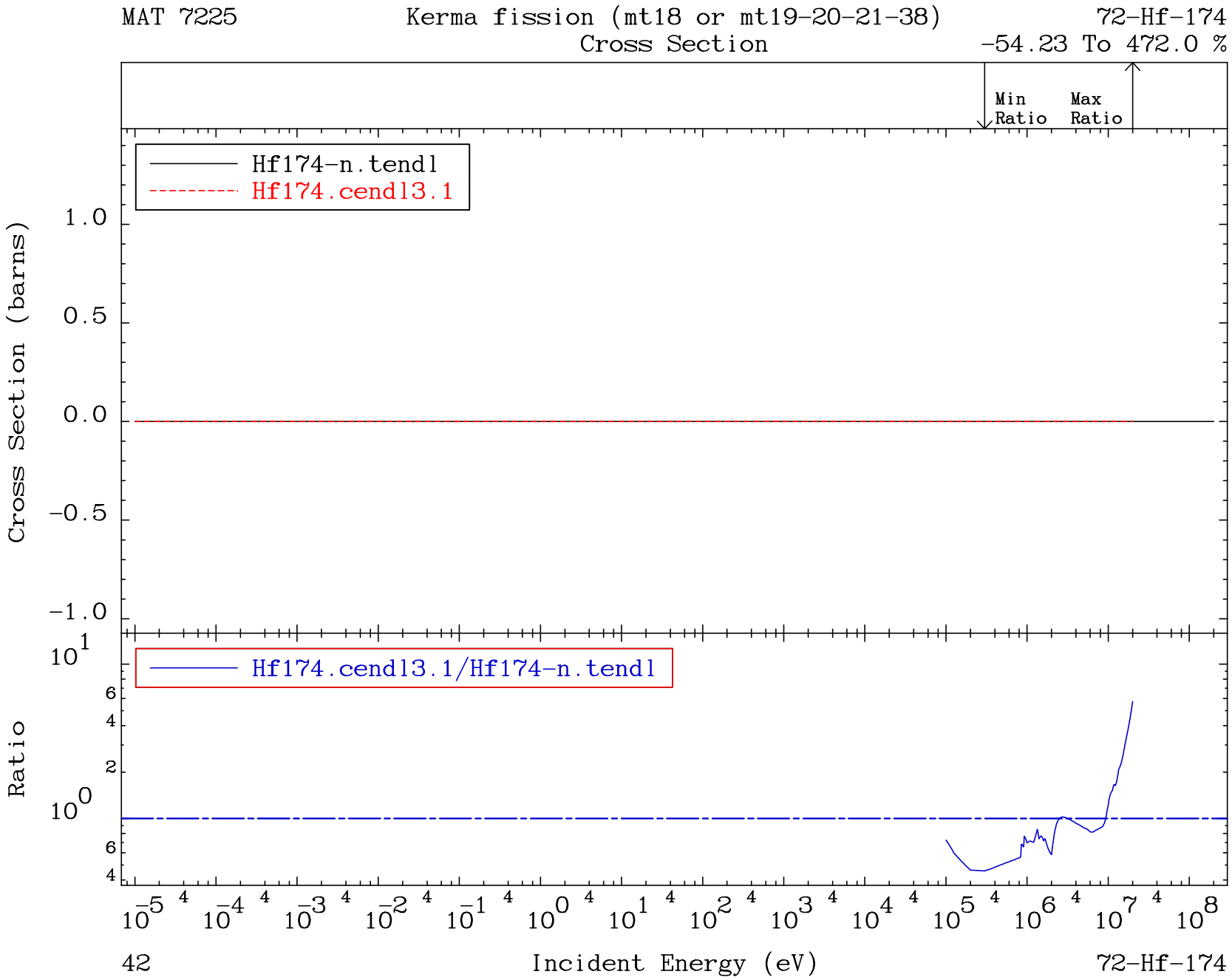

MAT 7225
He-4 Production
Cross Section
72-Hf-174
-60.47 To 35.49 %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1 Threshold 4.7000 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
1.6
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
72-Hf-174

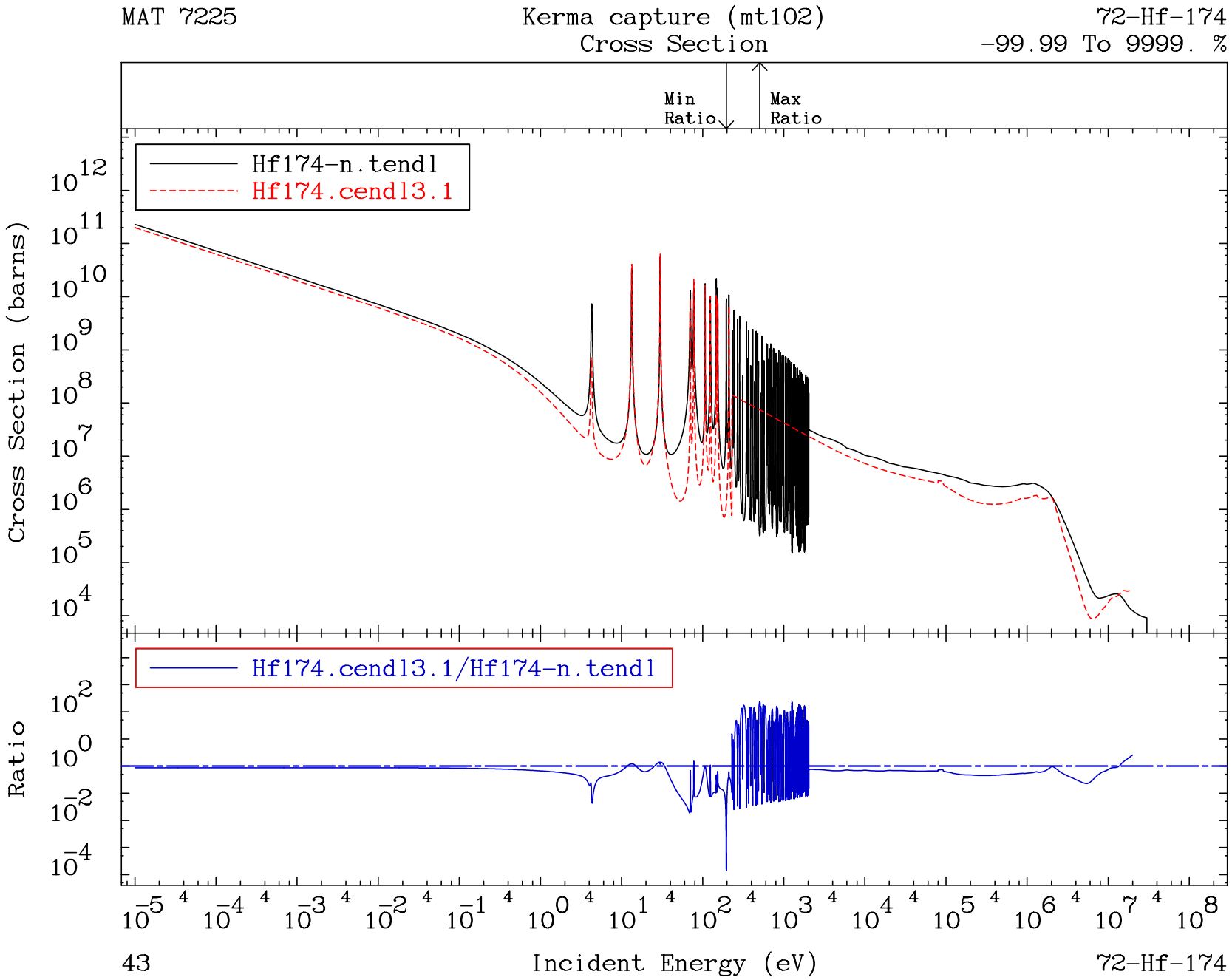

MAT 7225
Kerma total (eV-barns)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
38
Incident Energy (eV)
72-Hf-174

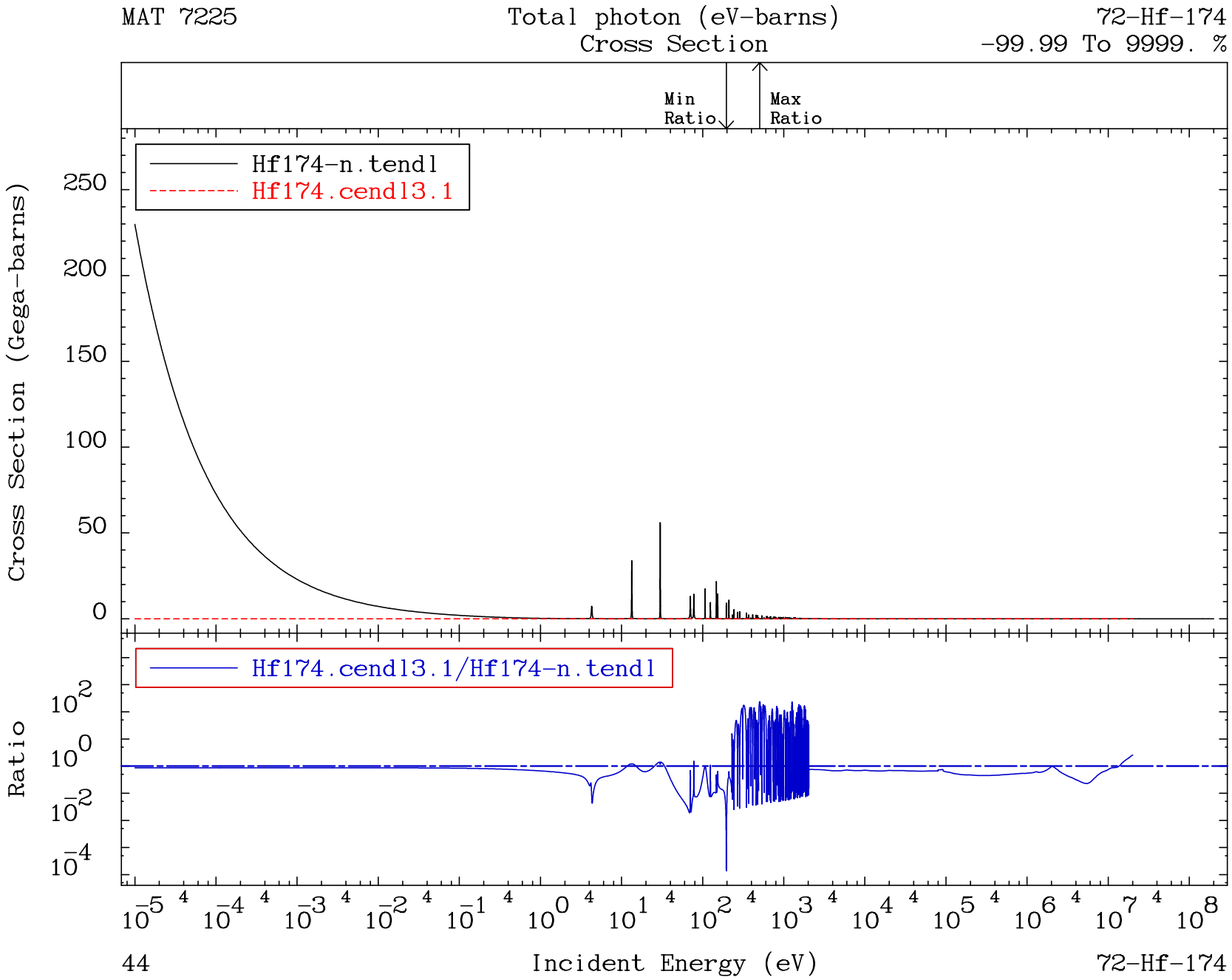

MAT 7225
Kerma elastic
Cross Section
72-Hf-174
-100.0 To 9999. %
Max
Ratio
Min
Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
39
72-Hf-174

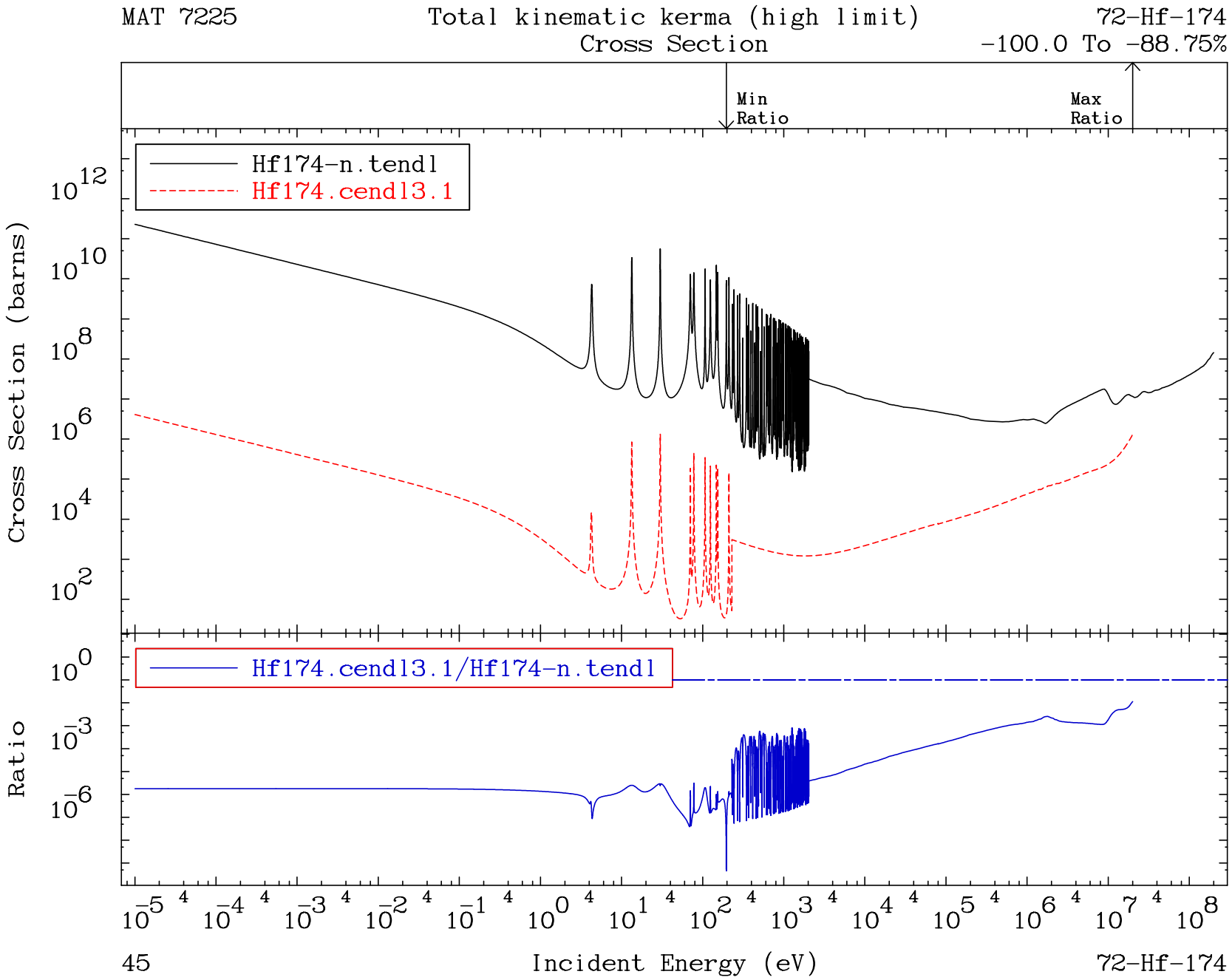

MAT 7225
Kerma non-elastic (all but mt2)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
40
72-Hf-174

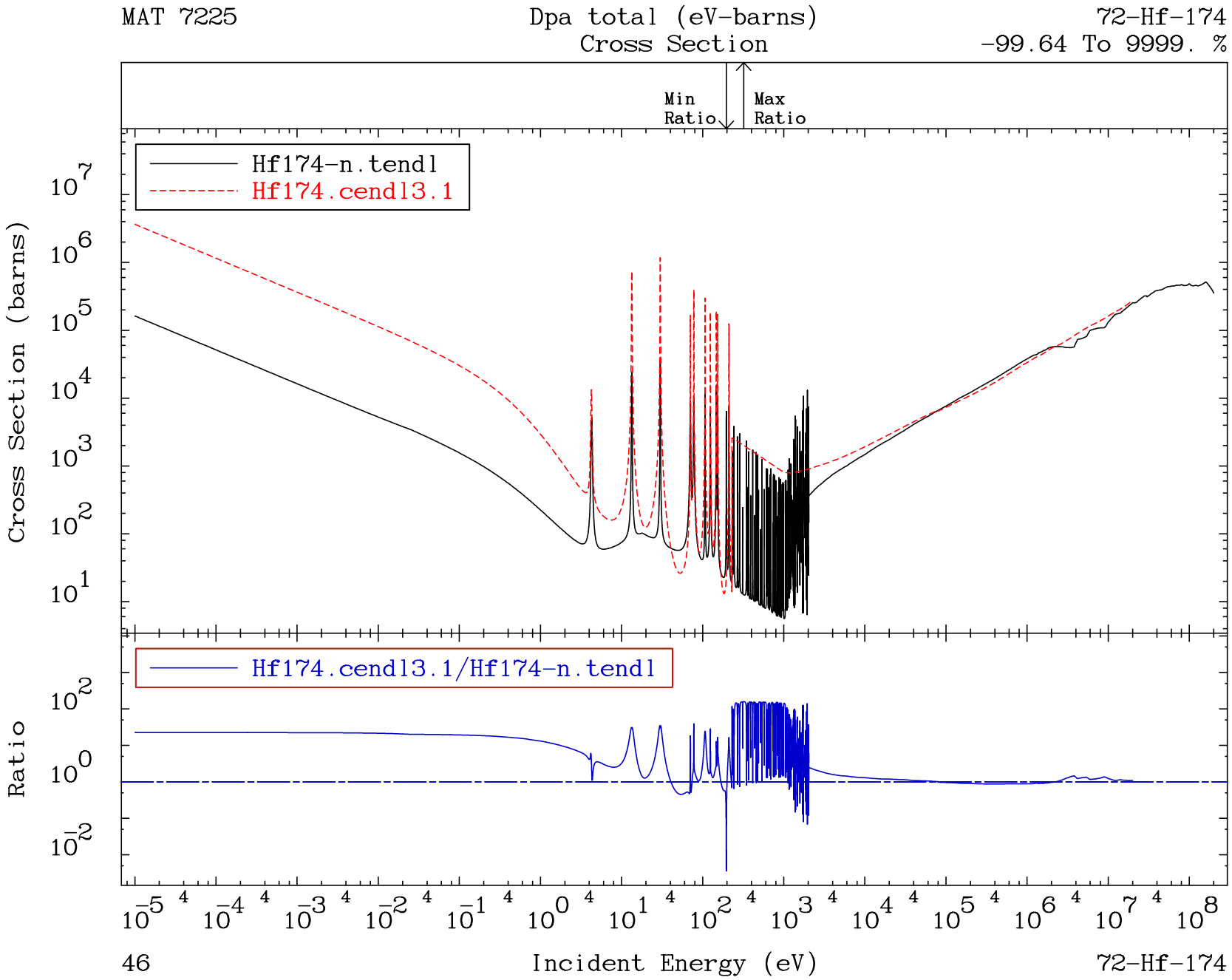

MAT 7225
Kerma inelastic (mt51-91)
Cross Section
72-Hf-174
-54.23 To 472.0 %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 100.00 keV
Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
41
72-Hf-174

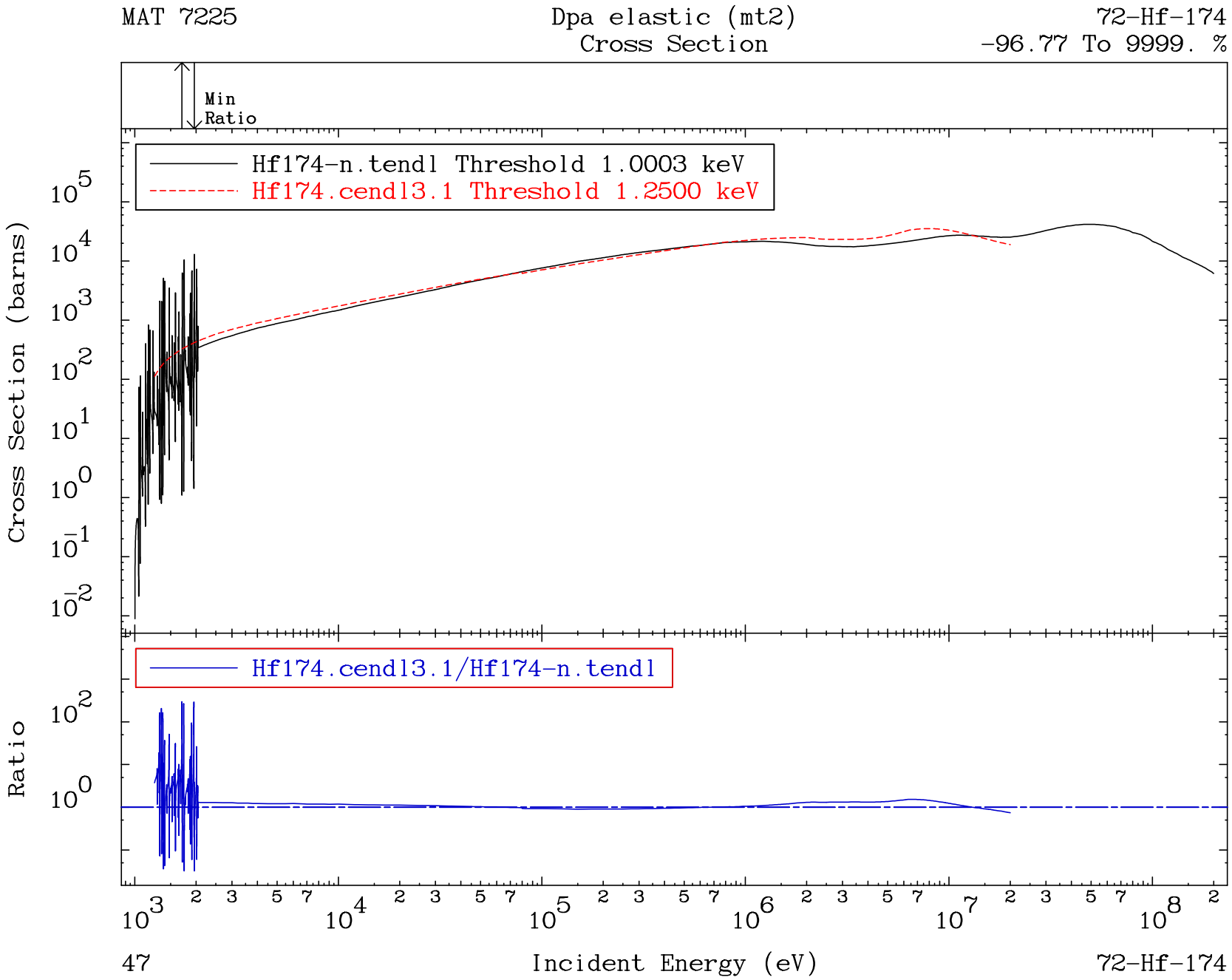

MAT 7225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
72-Hf-174
-54.23 To 472.0 %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^1
10^0
6
4
2
6
4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
72-Hf-174

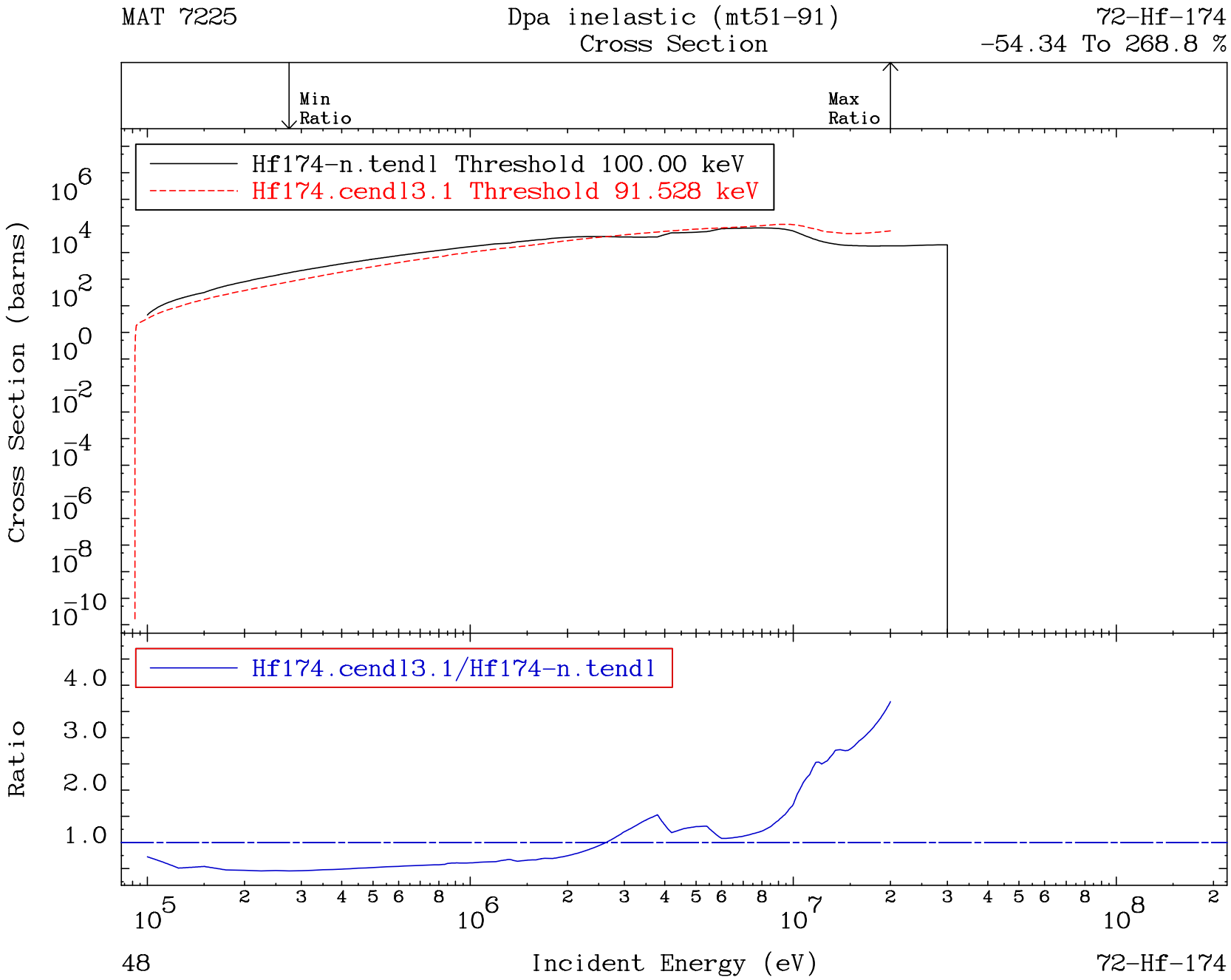

MAT 7225
Kerma capture (mt102)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
43
72-Hf-174

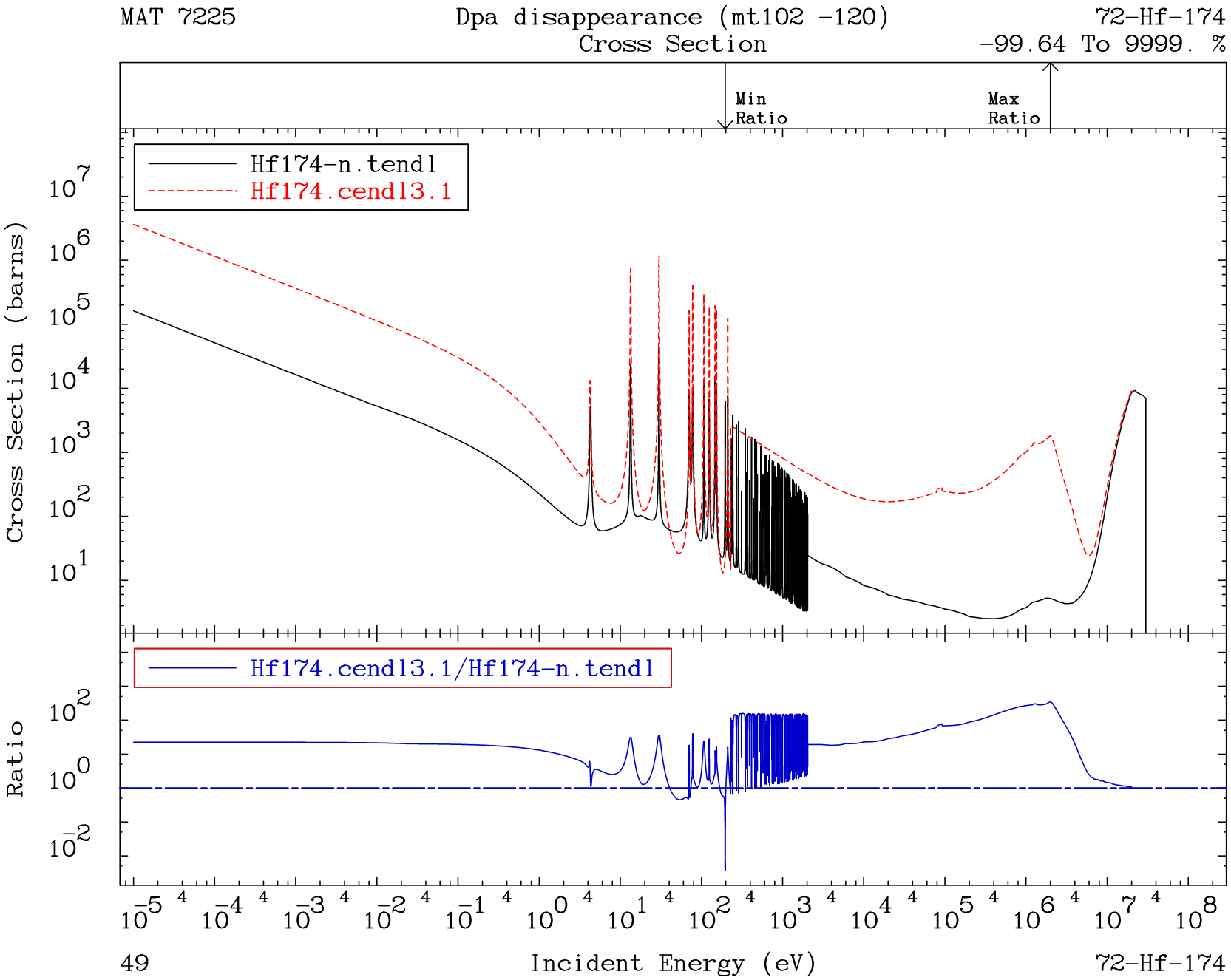

MAT 7225
Total photon (eV-barns)
Cross Section
72-Hf-174
-99.99 To 9999. %
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (Giga-barns)
250
200
150
100
50
0
Hf174.cendl3.1/Hf174-n.tendl
Ratio
10^{2}
10^{0}
10^{-2}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 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 -88.75%
Min Ratio
Max Ratio
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.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
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
46
72-Hf-174


MAT 7225
Dpa elastic (mt2)
Cross Section
72-Hf-174
-96.77 To 9999. %
Min
Ratio
Hf174-n.tendl Threshold 1.0003 keV
Hf174.cendl3.1 Threshold 1.2500 keV
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
47
72-Hf-174


MAT 7225
Dpa inelastic (mt51-91)
Cross Section
72-Hf-174
-54.34 To 268.8 %
Min Ratio
Max Ratio
Hf174-n.tendl Threshold 100.00 keV
Hf174.cendl3.1 Threshold 91.528 keV
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.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
Hf174-n.tendl
Hf174.cendl3.1
Cross Section (barns)
Hf174.cendl3.1/Hf174-n.tendl
Ratio
Incident Energy (eV)
49
72-Hf-174