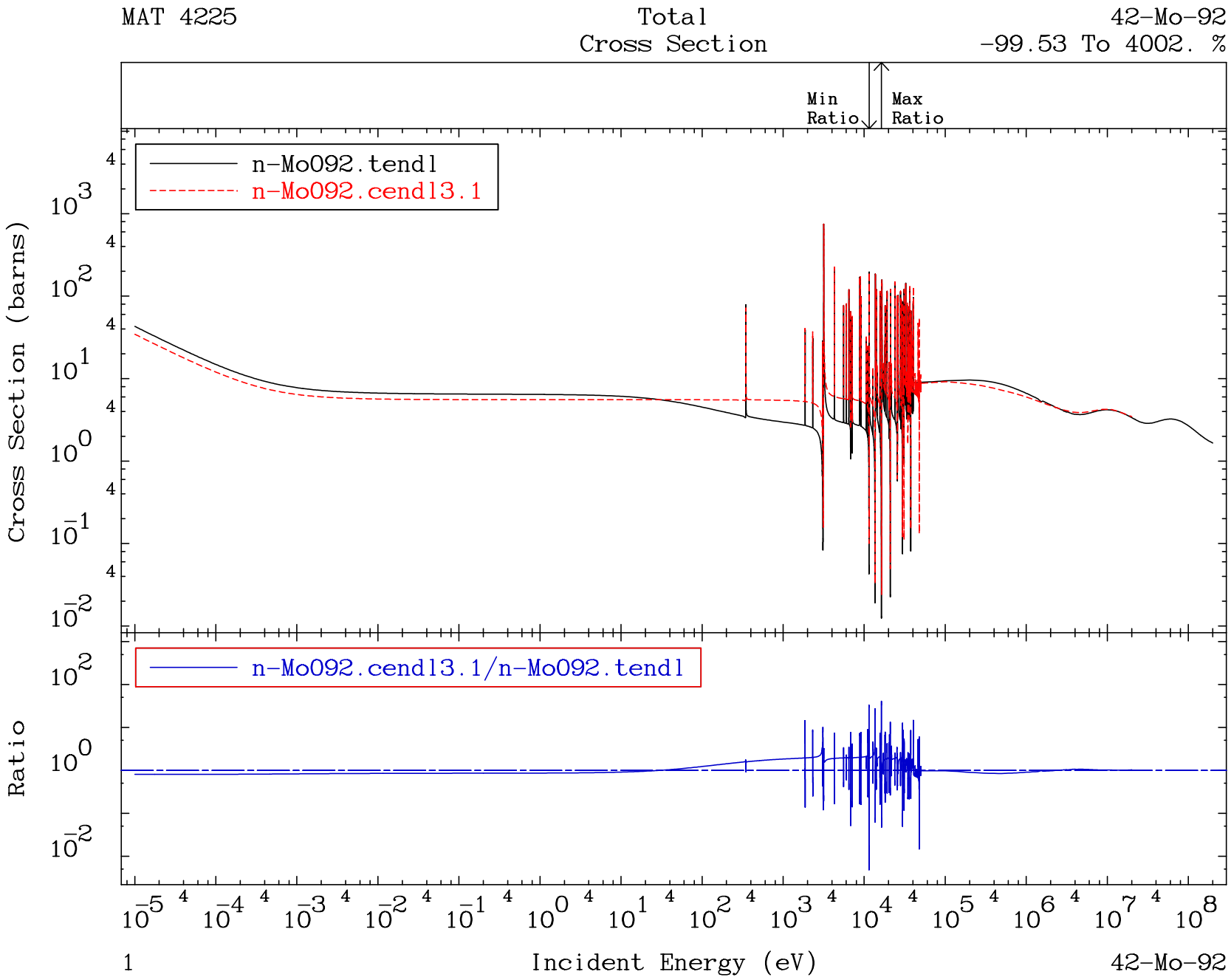
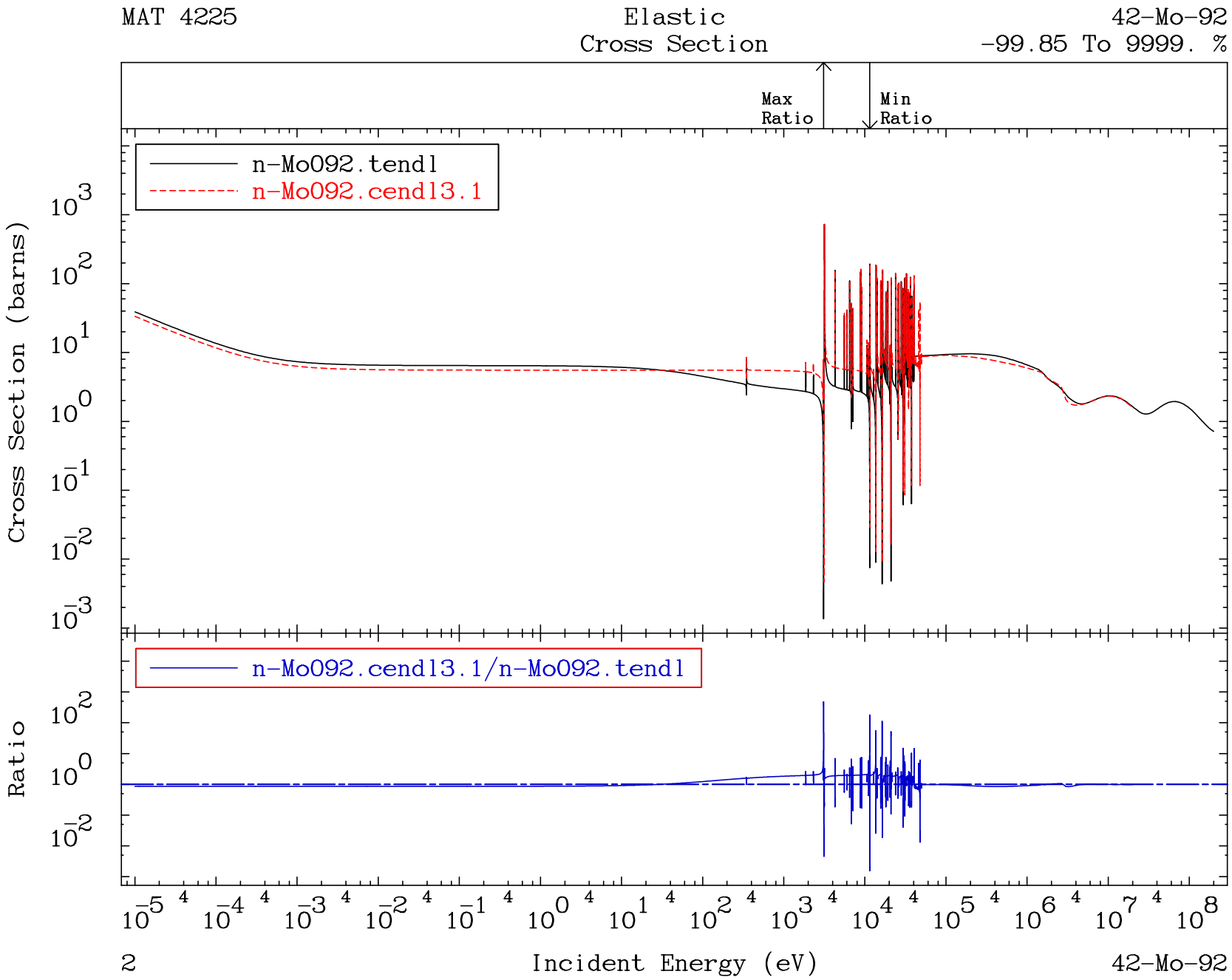
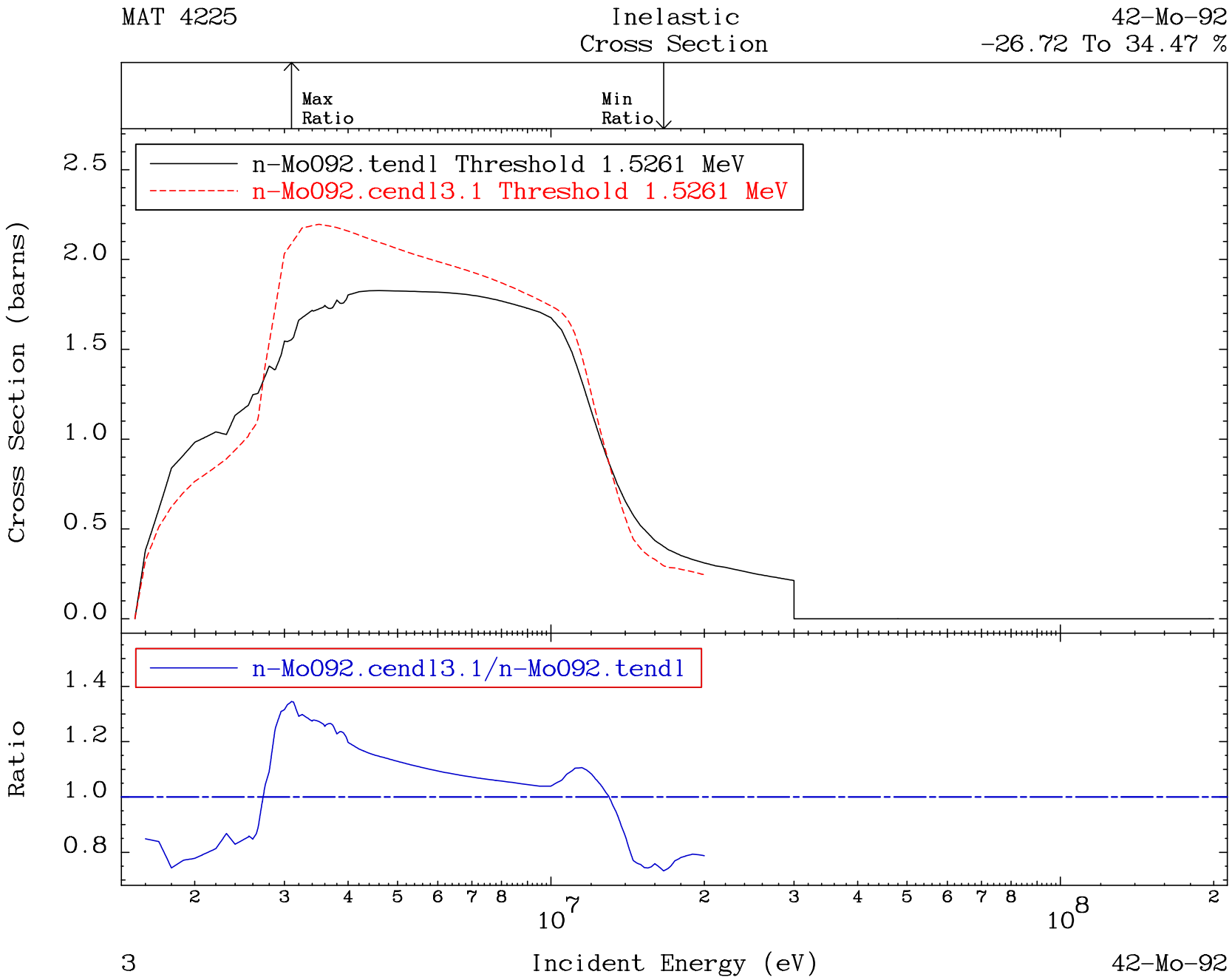
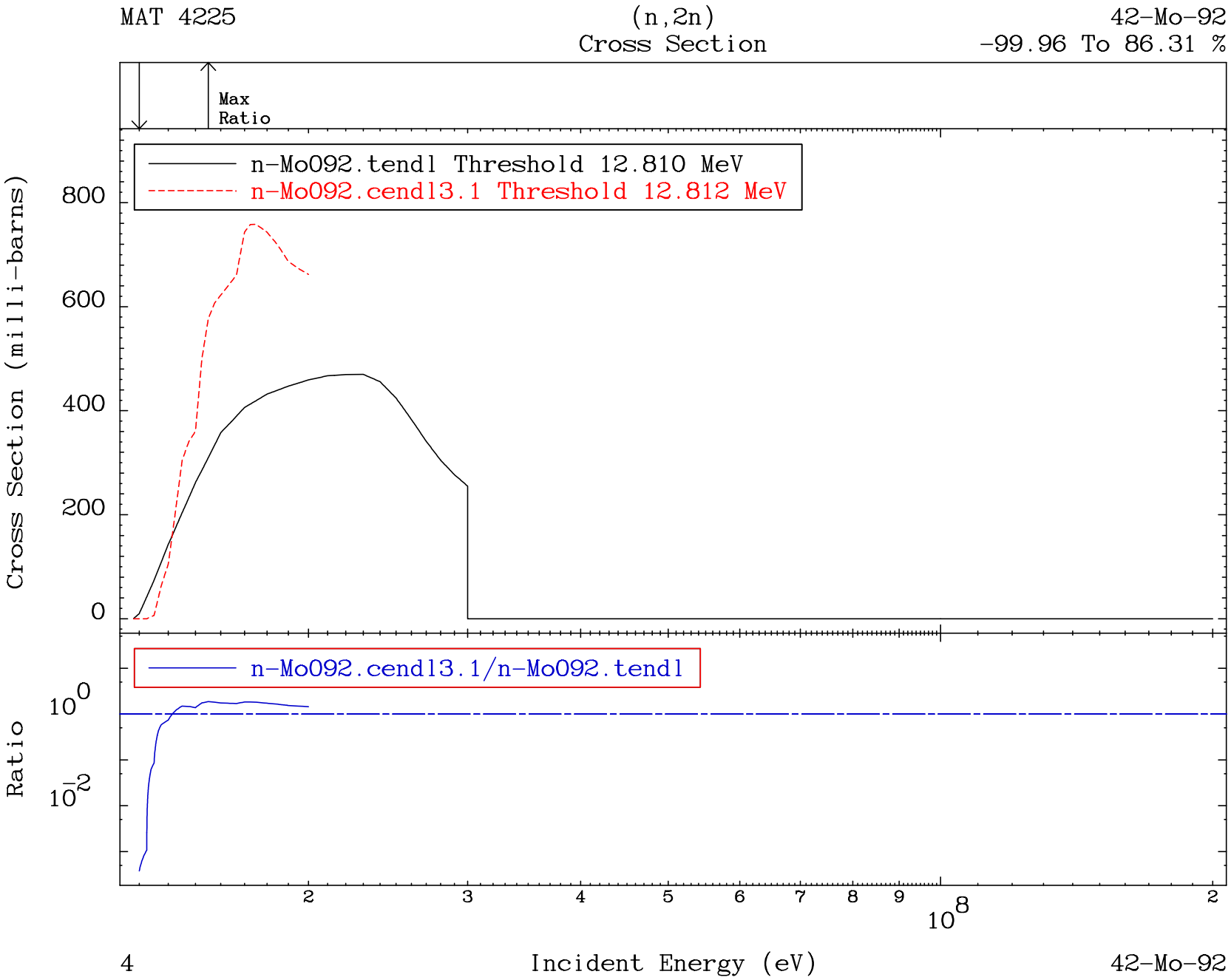
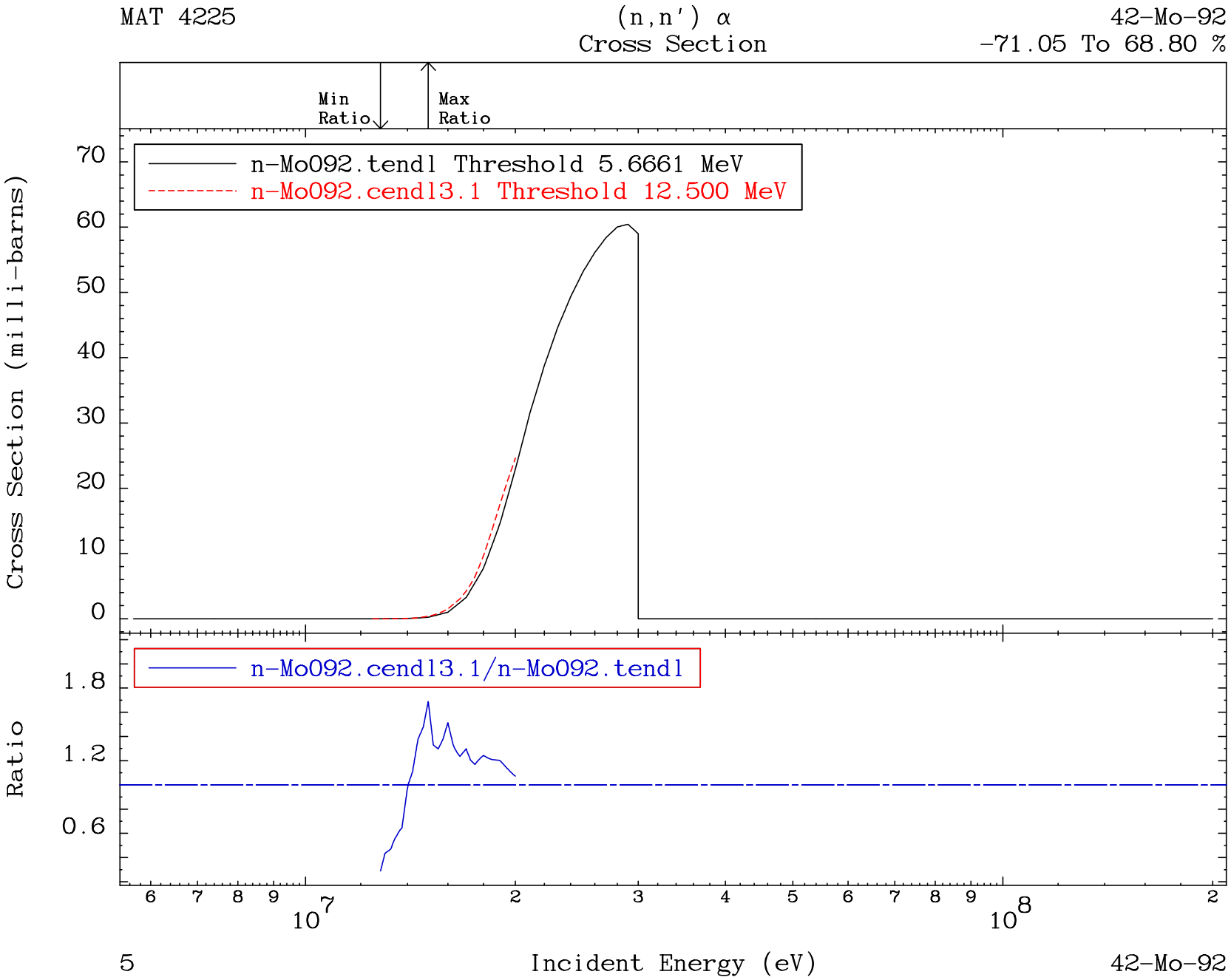
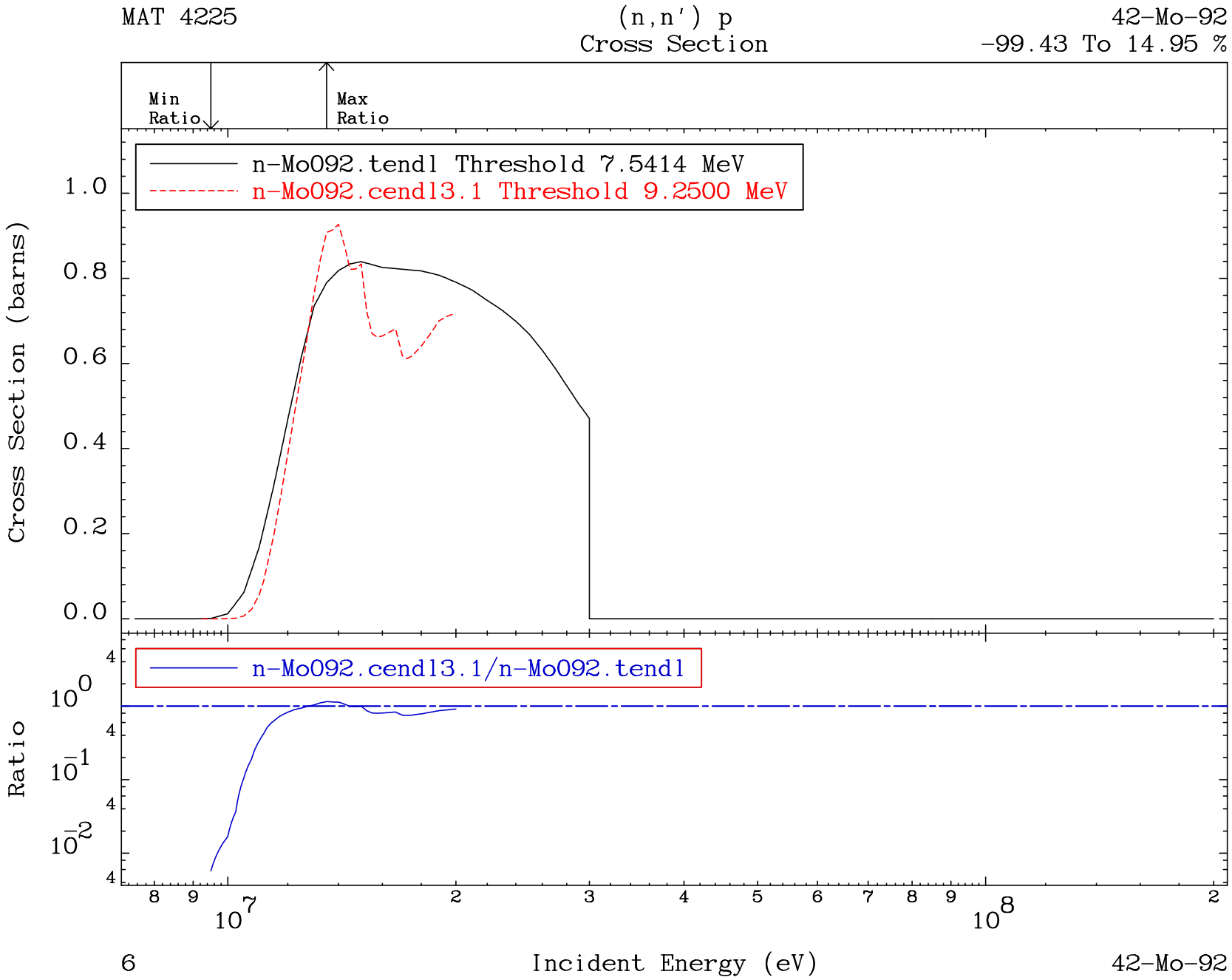

MAT 4225
Total
Cross Section
42-Mo-92
-99.53 To 4002. %
Min
Ratio
Max
Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
1
42-Mo-92

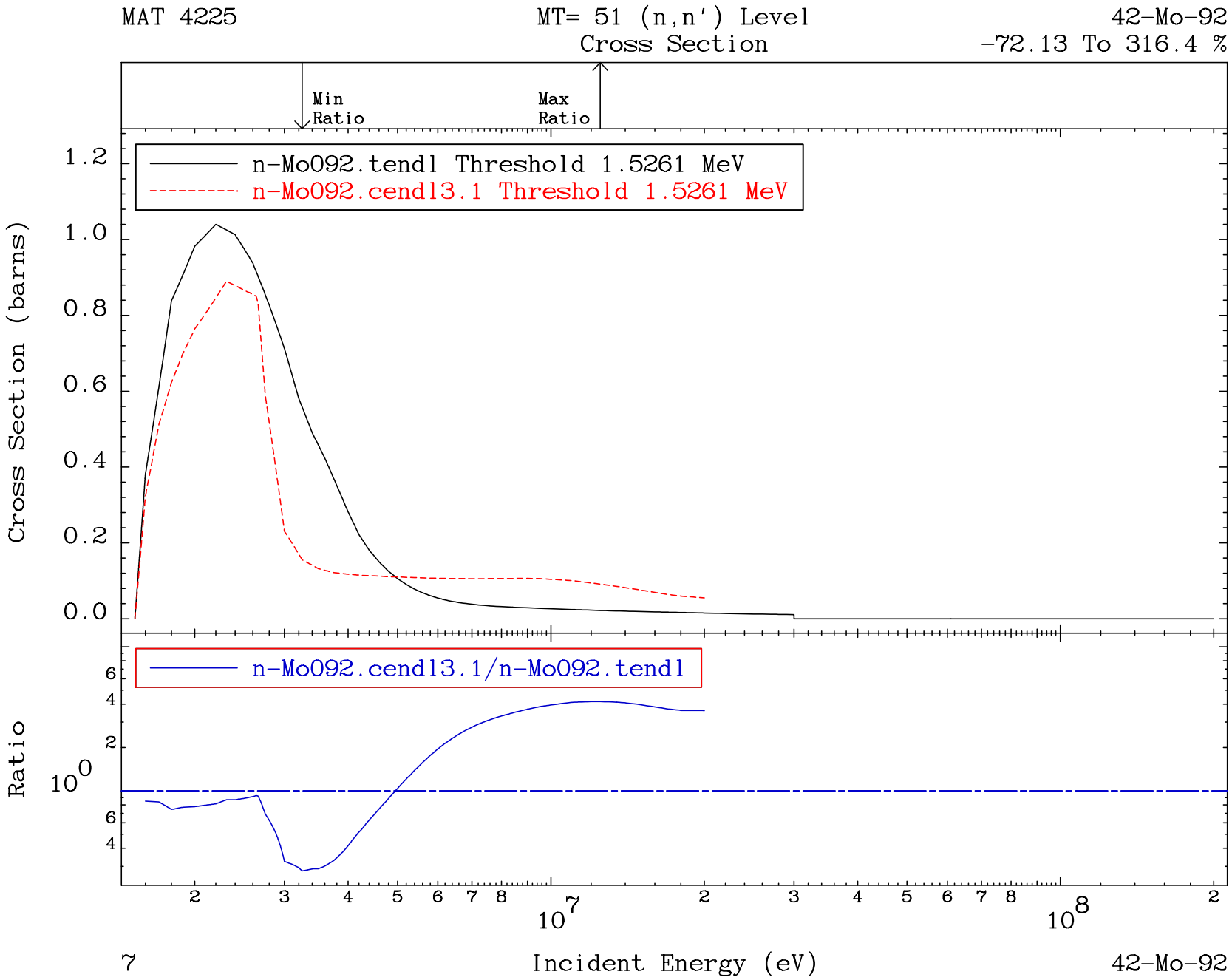

MAT 4225
Elastic
Cross Section
42-Mo-92
-99.85 To 9999. %
Max
Ratio
Min
Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
2
42-Mo-92

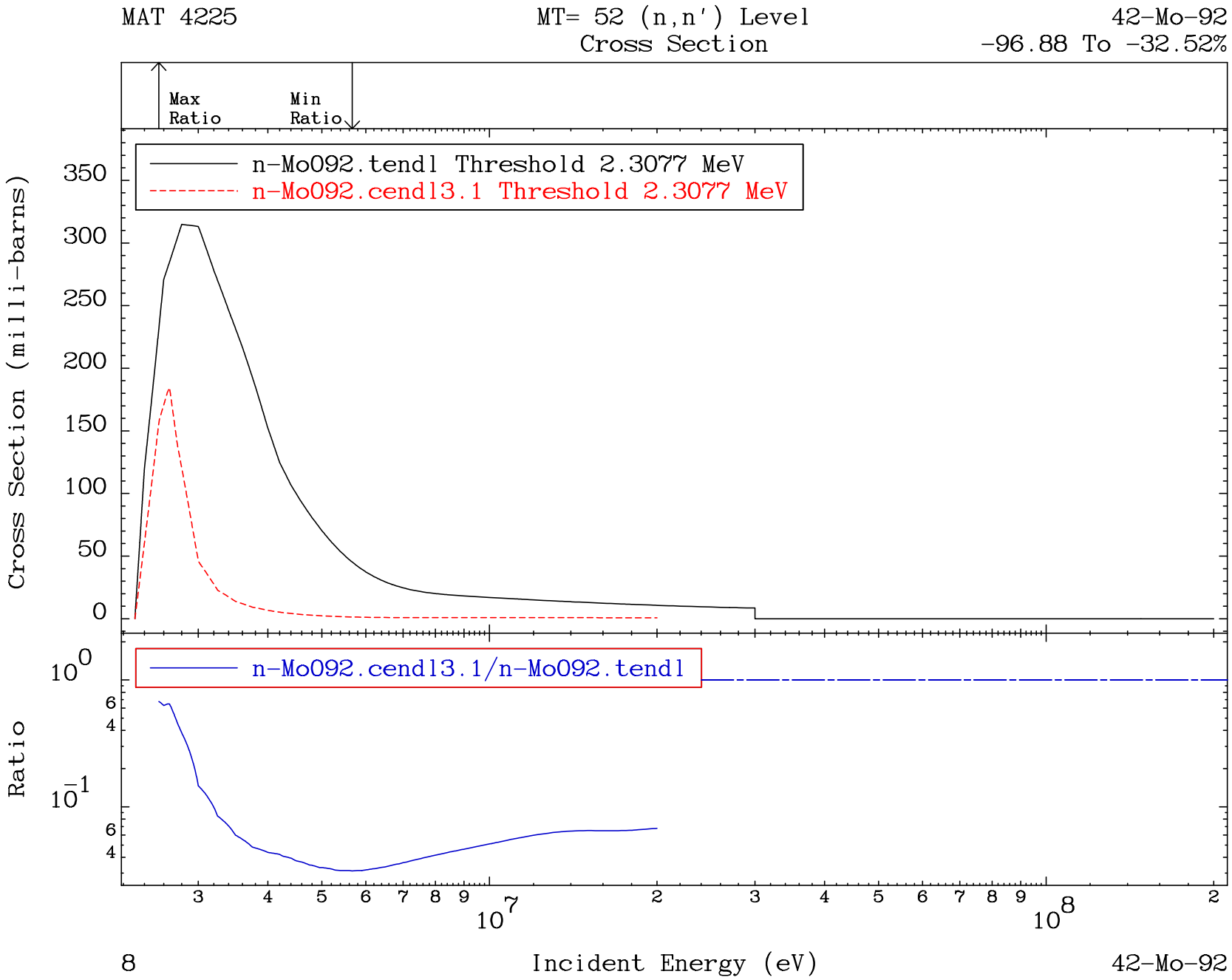

MAT 4225
Inelastic
Cross Section
42-Mo-92
-26.72 To 34.47 %
Max
Ratio
Min
Ratio
n-Mo092.tendl Threshold 1.5261 MeV
n-Mo092.cendl3.1 Threshold 1.5261 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
1.4
1.2
1.0
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
42-Mo-92

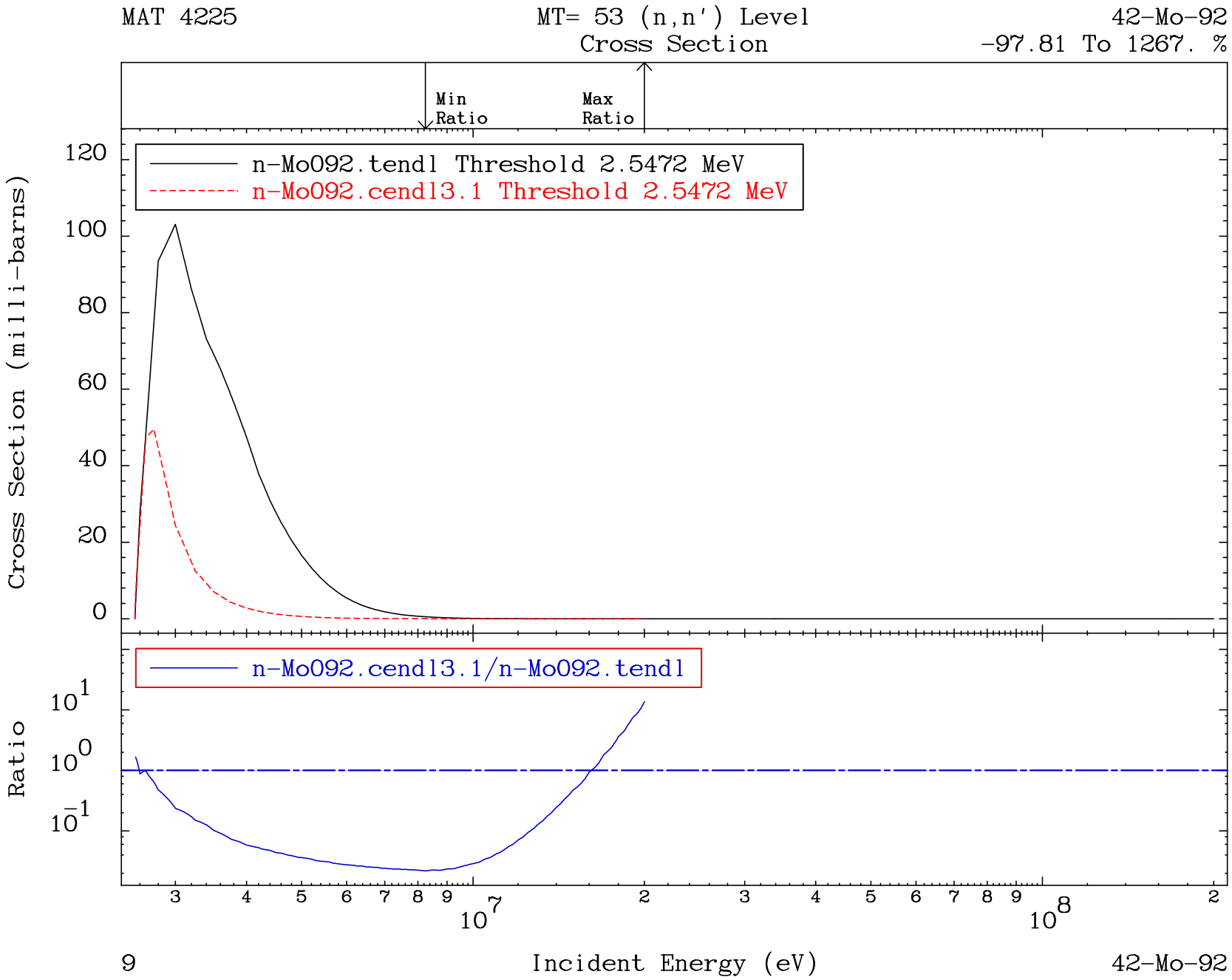

MAT 4225
(n,2n)
Cross Section
42-Mo-92
-99.96 To 86.31 %
Max
Ratio
n-Mo092.tendl Threshold 12.810 MeV
n-Mo092.cendl3.1 Threshold 12.812 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
42-Mo-92

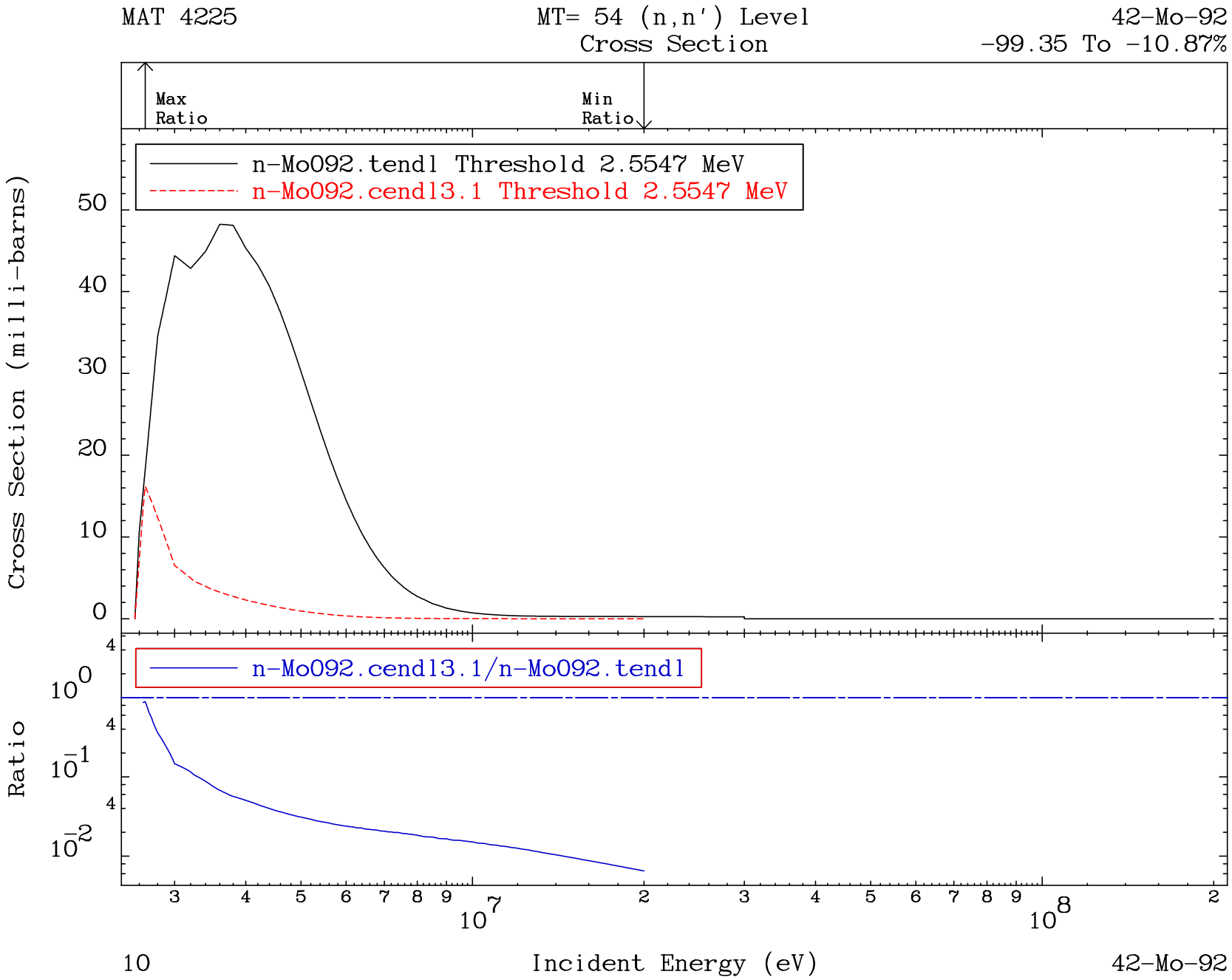

MAT 4225
(n,n') α
Cross Section
42-Mo-92
-71.05 To 68.80 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 5.6661 MeV
n-Mo092.cendl3.1 Threshold 12.500 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
1.8
1.2
0.6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
42-Mo-92

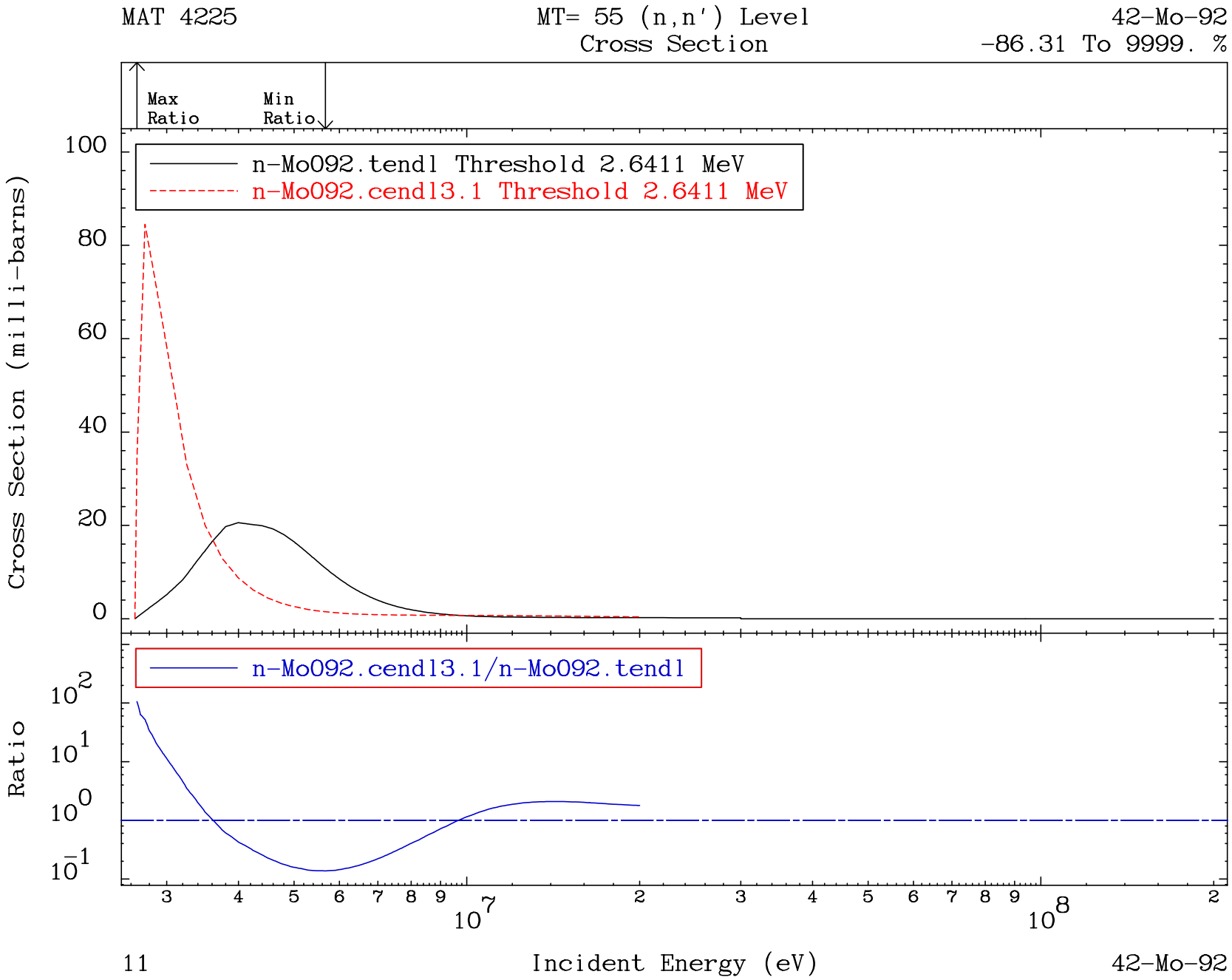

MAT 4225
(n,n') p
Cross Section
42-Mo-92
-99.43 To 14.95 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 7.5414 MeV
n-Mo092.cendl3.1 Threshold 9.2500 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-1
10^-2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
42-Mo-92

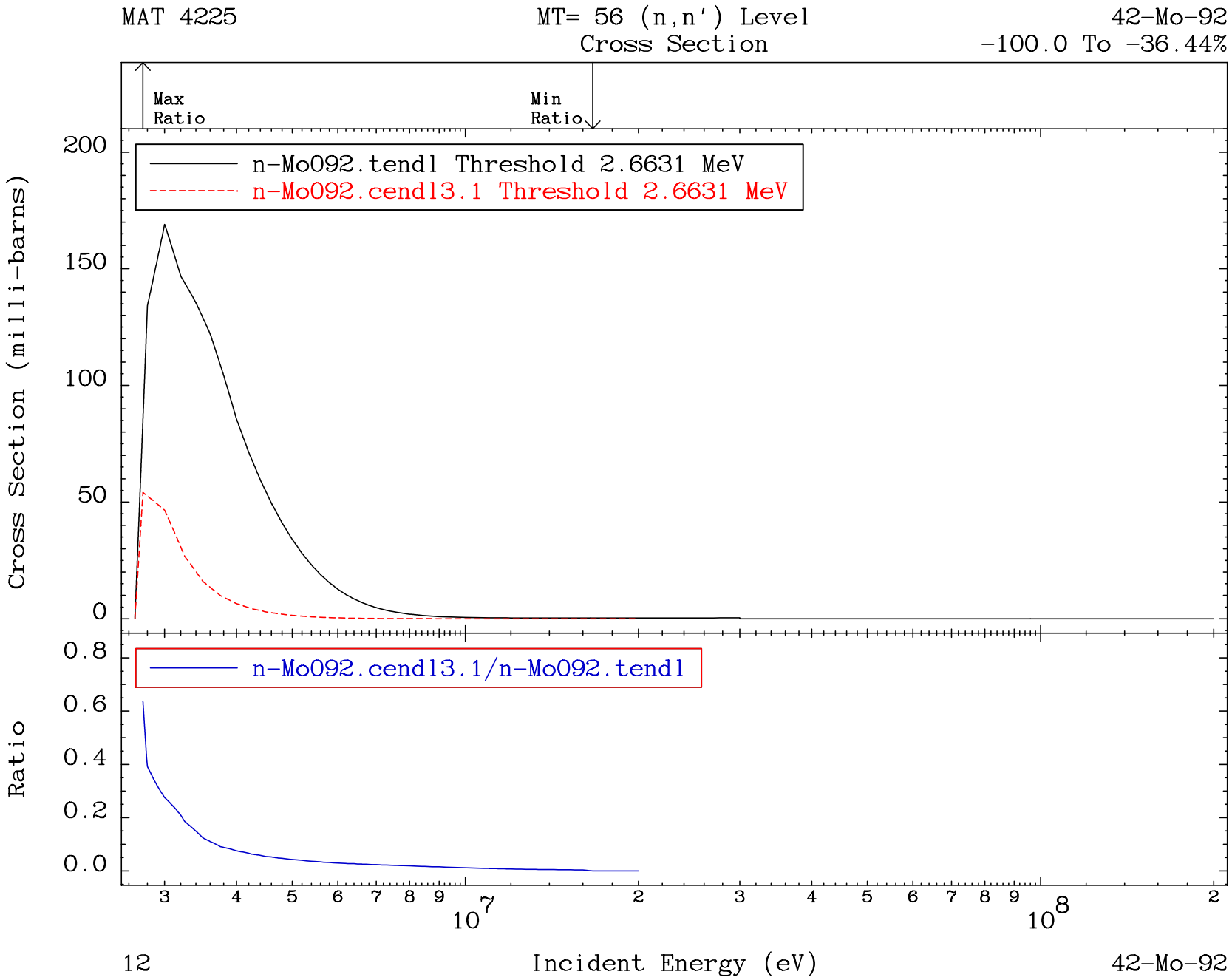

MAT 4225
MT= 51 (n,n') Level
Cross Section
42-Mo-92
-72.13 To 316.4 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 1.5261 MeV
n-Mo092.cendl3.1 Threshold 1.5261 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
6
4
2
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
7
Incident Energy (eV)
42-Mo-92

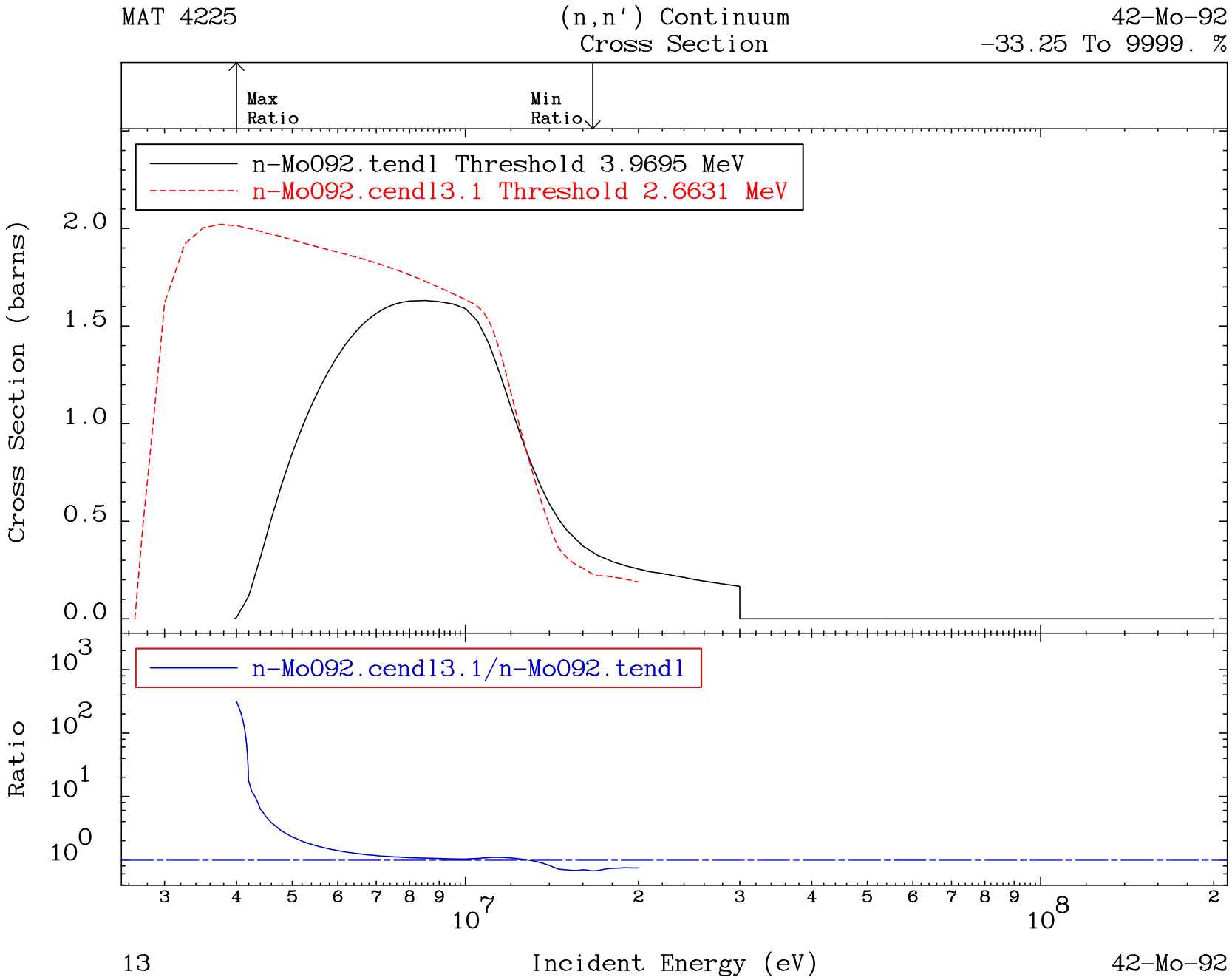

MAT 4225
MT= 52 (n,n') Level
Cross Section
42-Mo-92
-96.88 To -32.52%
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 2.3077 MeV
n-Mo092.cendl3.1 Threshold 2.3077 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-1
6
4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
42-Mo-92

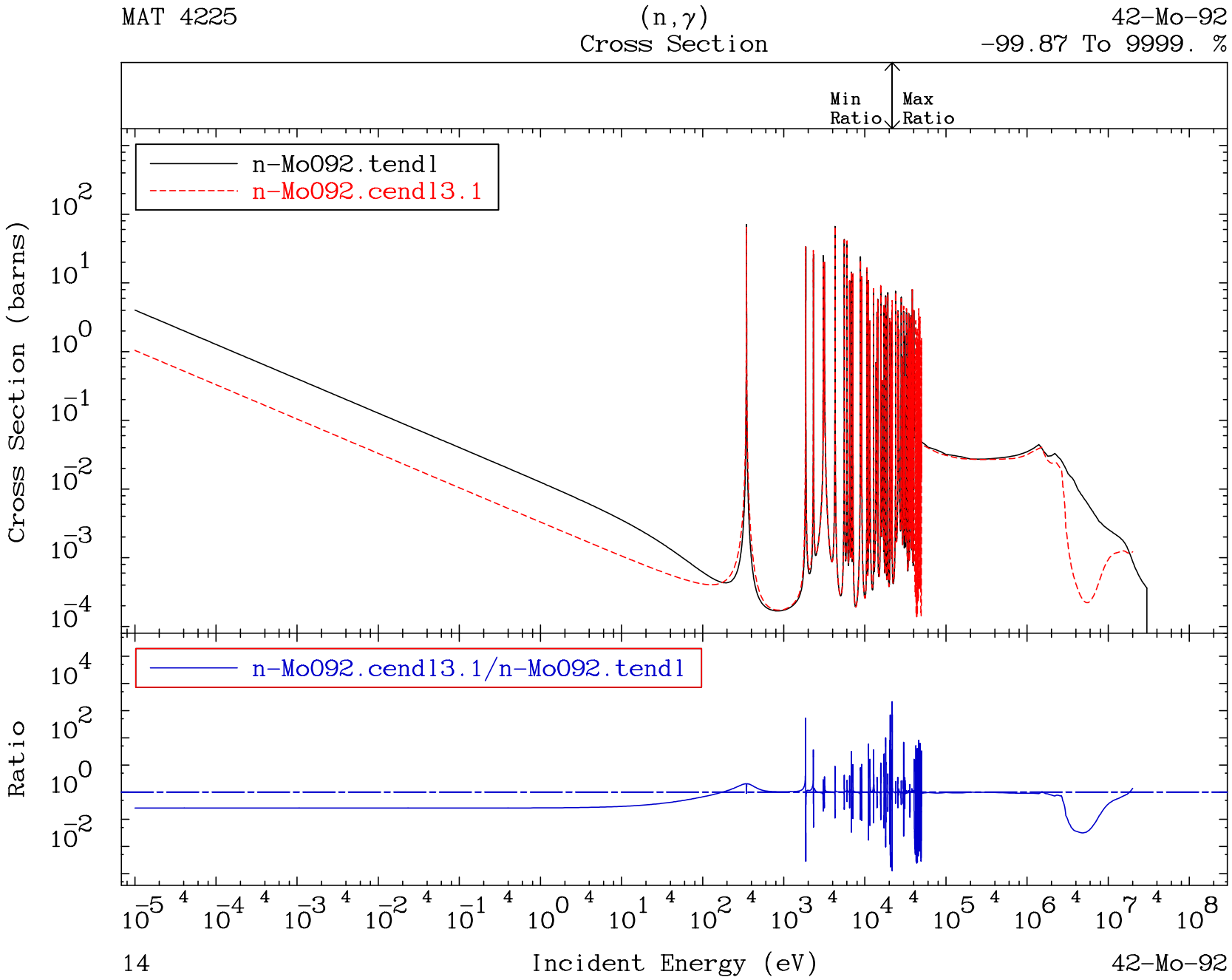

MAT 4225
MT= 53 (n,n') Level
Cross Section
42-Mo-92
-97.81 To 1267. %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 2.5472 MeV
n-Mo092.cendl3.1 Threshold 2.5472 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^1
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
42-Mo-92

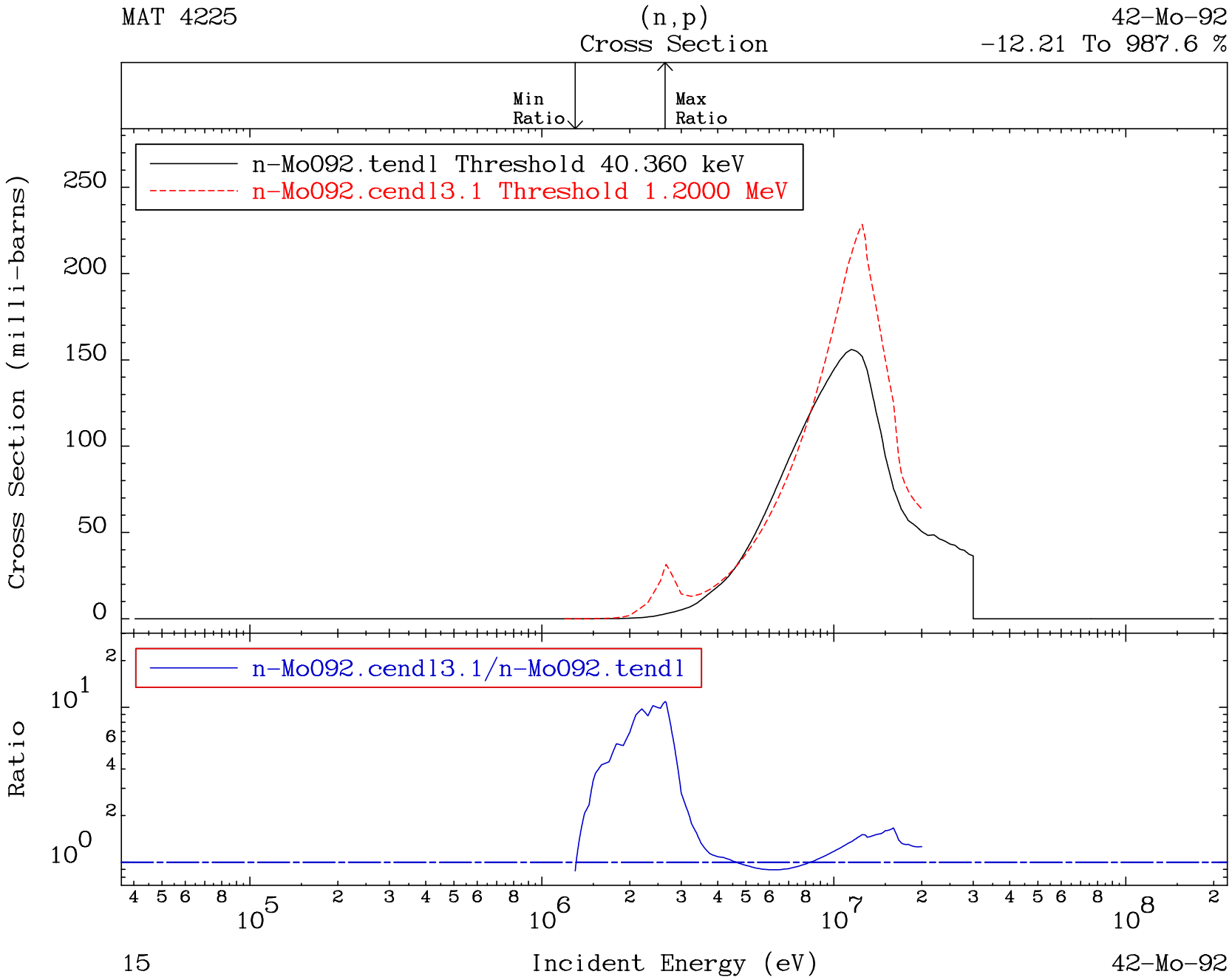

MAT 4225
MT= 54 (n,n') Level
Cross Section
42-Mo-92
-99.35 To -10.87%
Max
Ratio
Min
Ratio
n-Mo092.tendl Threshold 2.5547 MeV
n-Mo092.cendl3.1 Threshold 2.5547 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
42-Mo-92

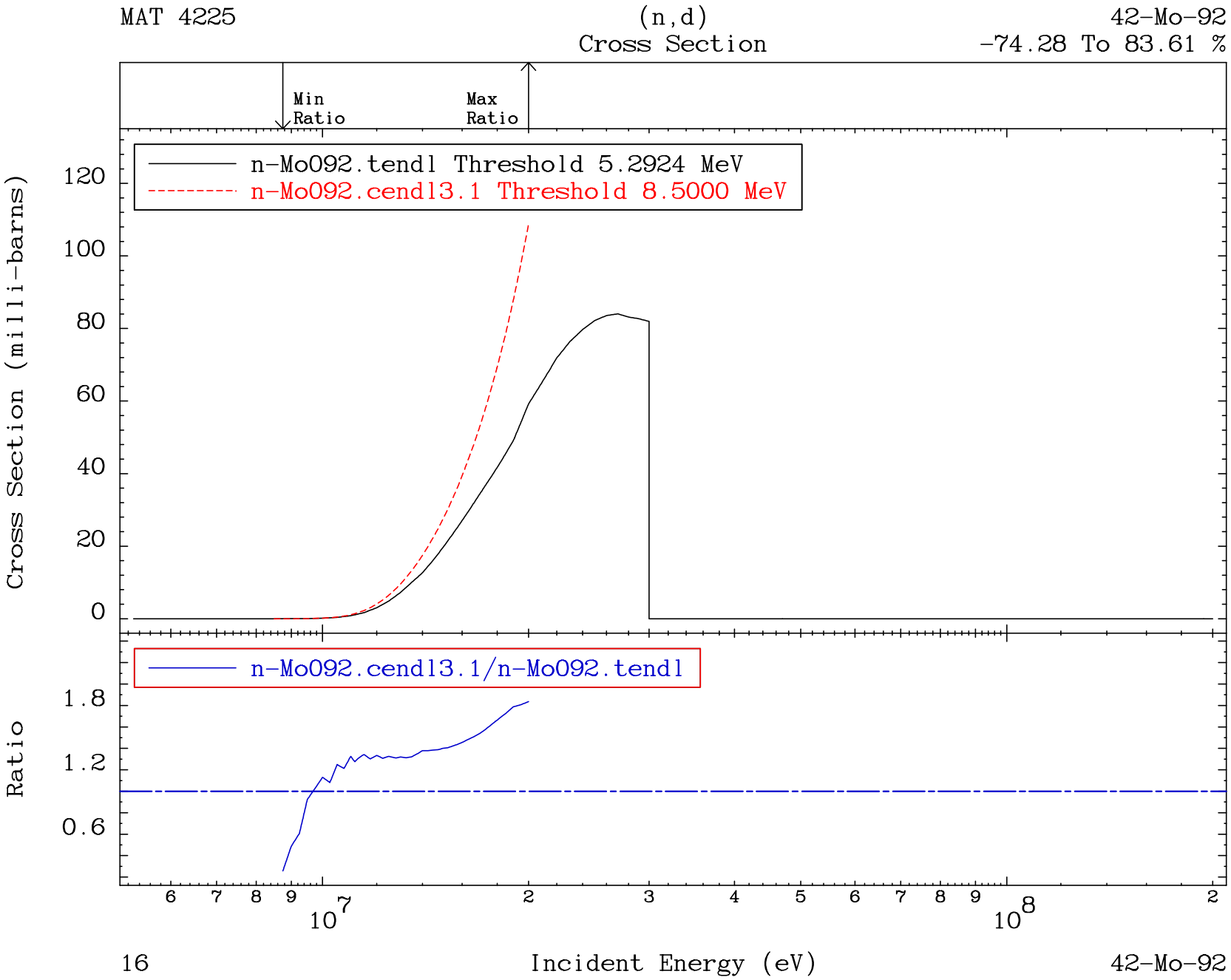

MAT 4225
MT= 55 (n,n') Level
Cross Section
42-Mo-92
-86.31 To 9999. %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 2.6411 MeV
n-Mo092.cendl3.1 Threshold 2.6411 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^2
10^1
10^0
10^-1
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
42-Mo-92

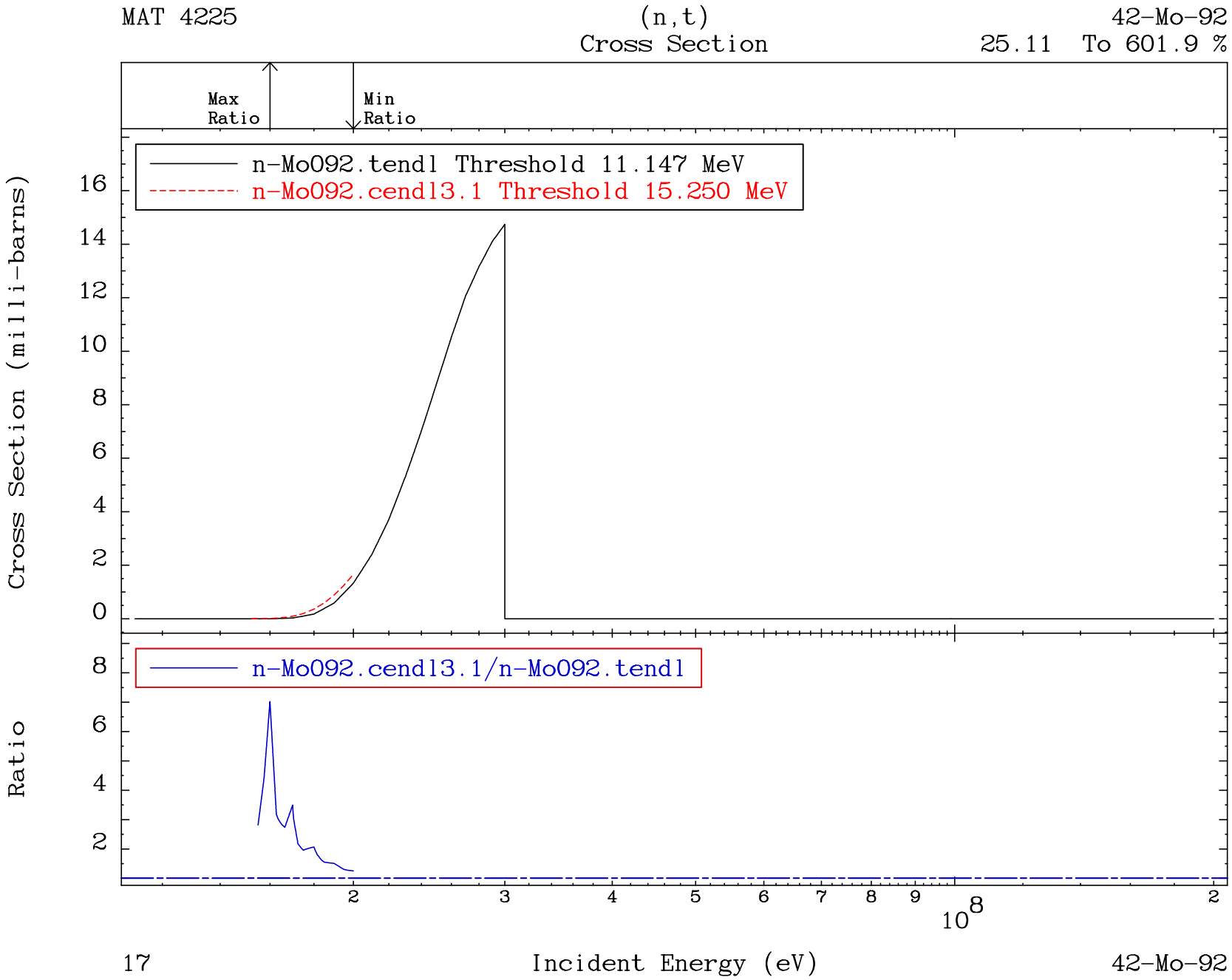

MAT 4225
MT= 56 (n,n') Level
Cross Section
42-Mo-92
-100.0 To -36.44%
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 2.6631 MeV
n-Mo092.cendl3.1 Threshold 2.6631 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
0.8
0.6
0.4
0.2
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
12
Incident Energy (eV)
42-Mo-92

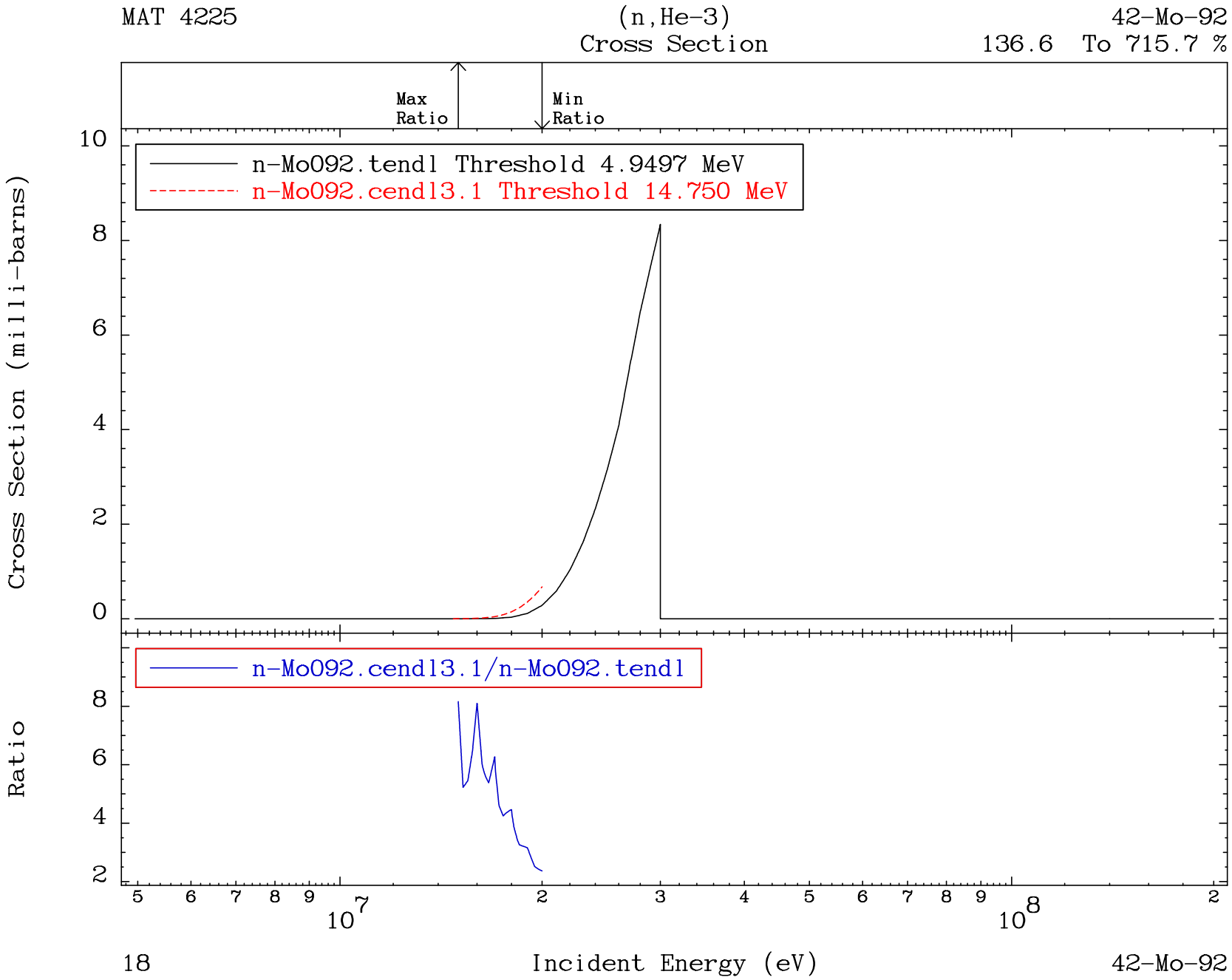

MAT 4225
(n,n') Continuum
Cross Section
42-Mo-92
-33.25 To 9999. %
Max
Ratio
Min
Ratio
n-Mo092.tendl Threshold 3.9695 MeV
n-Mo092.cendl3.1 Threshold 2.6631 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^3
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
42-Mo-92

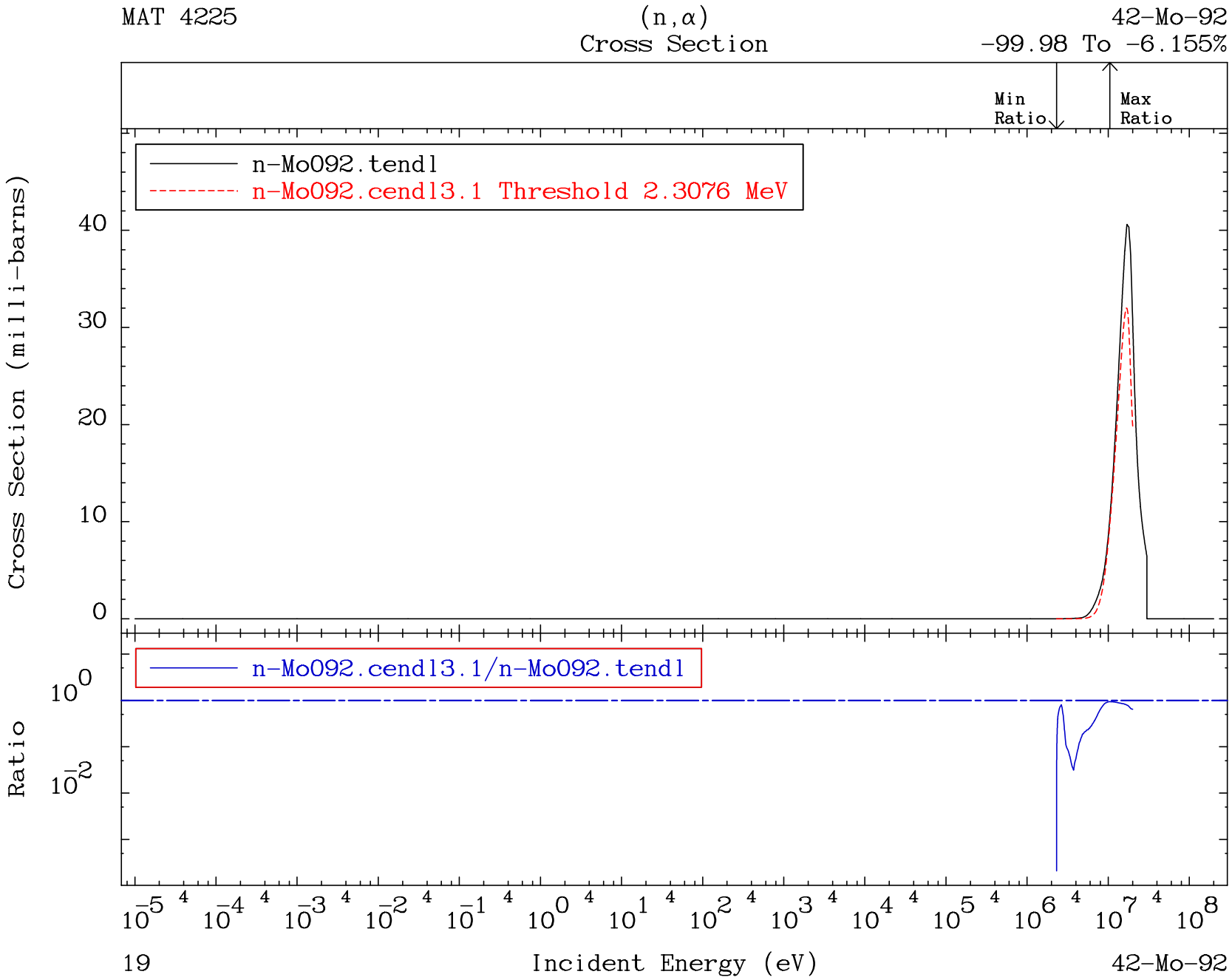

MAT 4225
(n,γ)
Cross Section
42-Mo-92
-99.87 To 9999. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
14
42-Mo-92

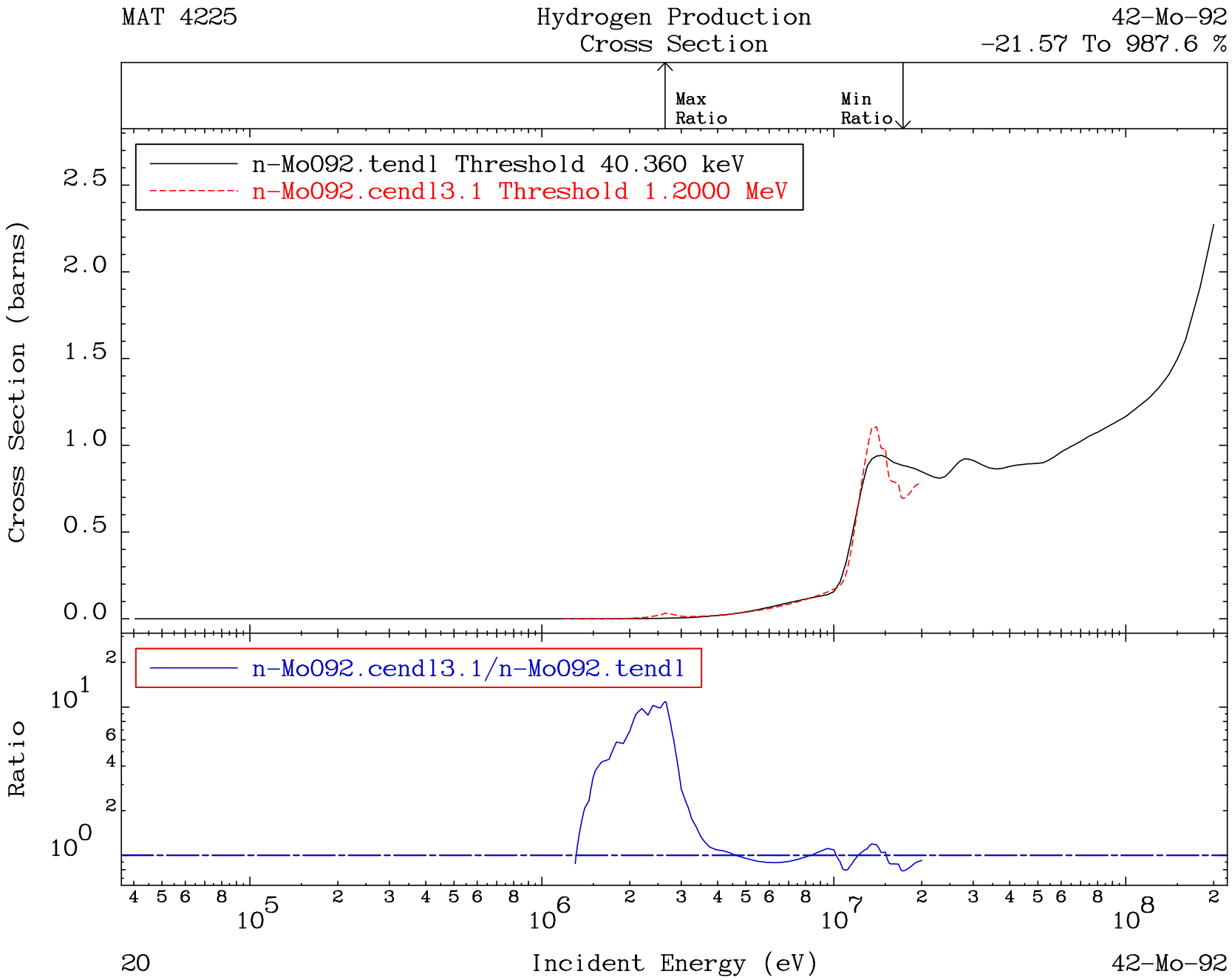

MAT 4225
(n,p)
Cross Section
42-Mo-92
-12.21 To 987.6 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 40.360 keV
n-Mo092.cendl3.1 Threshold 1.2000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^1
10^0
2
6
4
2
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
42-Mo-92

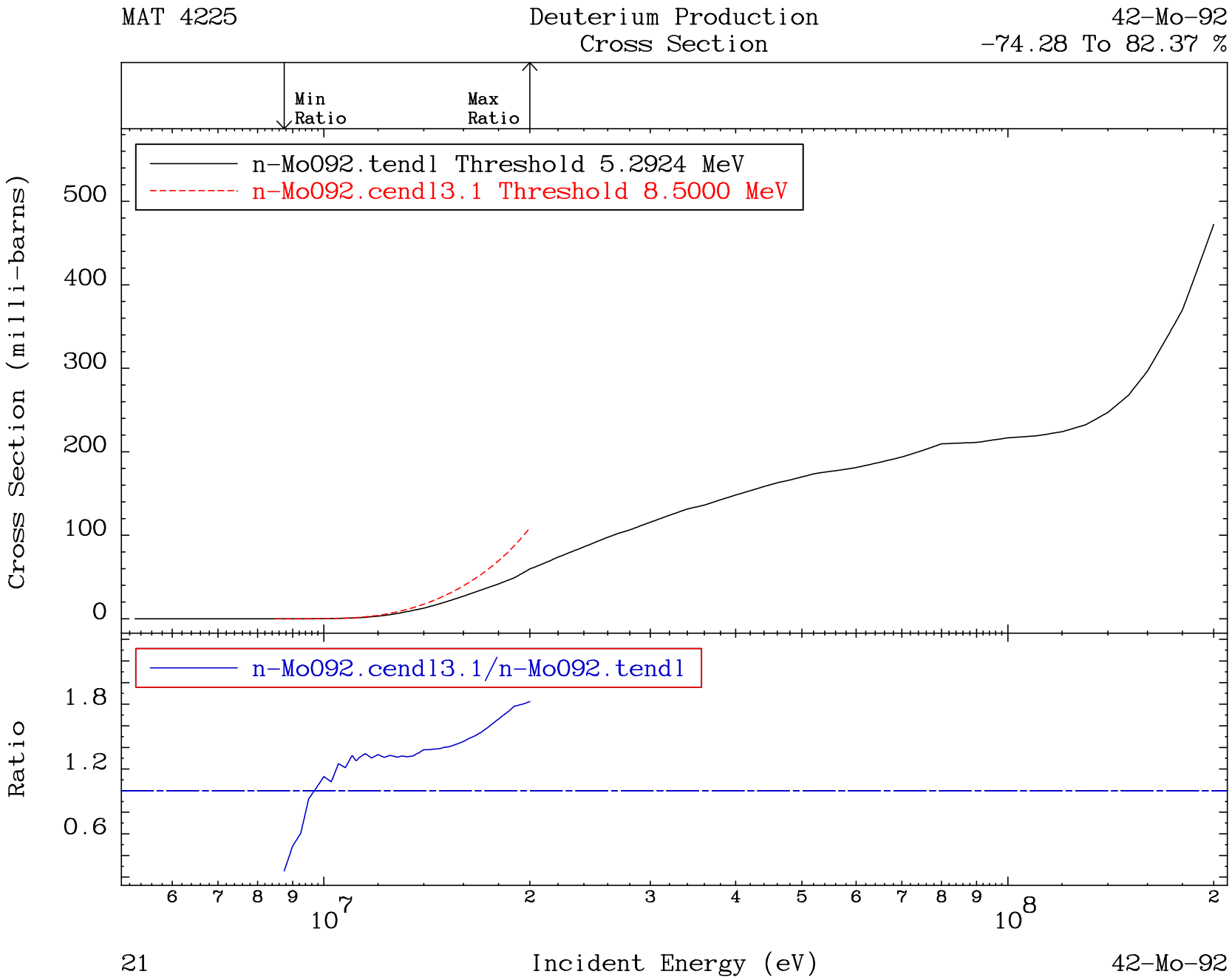

MAT 4225
(n,d)
Cross Section
42-Mo-92
-74.28 To 83.61 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 5.2924 MeV
n-Mo092.cendl3.1 Threshold 8.5000 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
1.8
1.2
0.6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
42-Mo-92

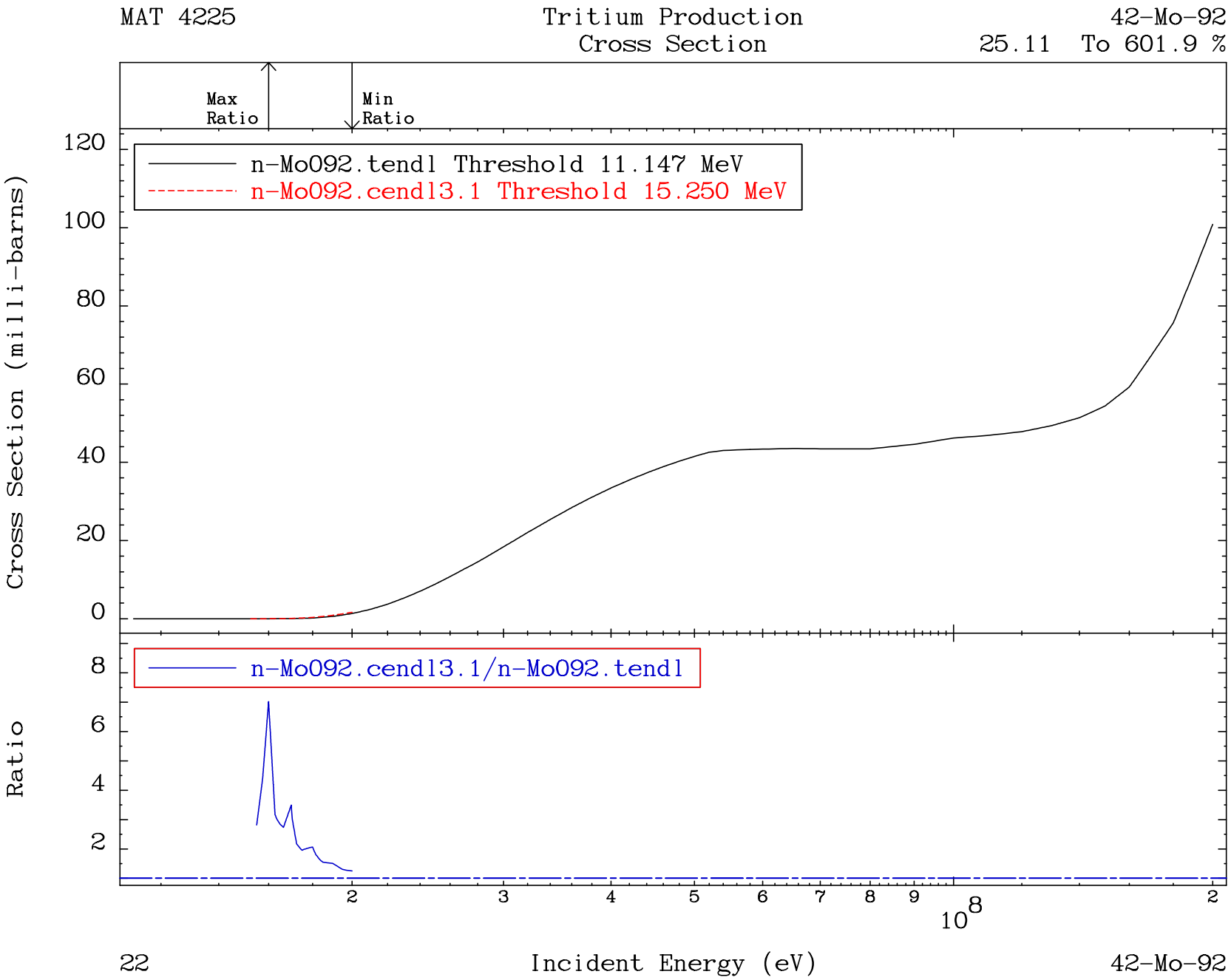

MAT 4225
(n,t)
Cross Section
42-Mo-92
25.11 To 601.9 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 11.147 MeV
n-Mo092.cendl3.1 Threshold 15.250 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
8
6
4
2
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
42-Mo-92

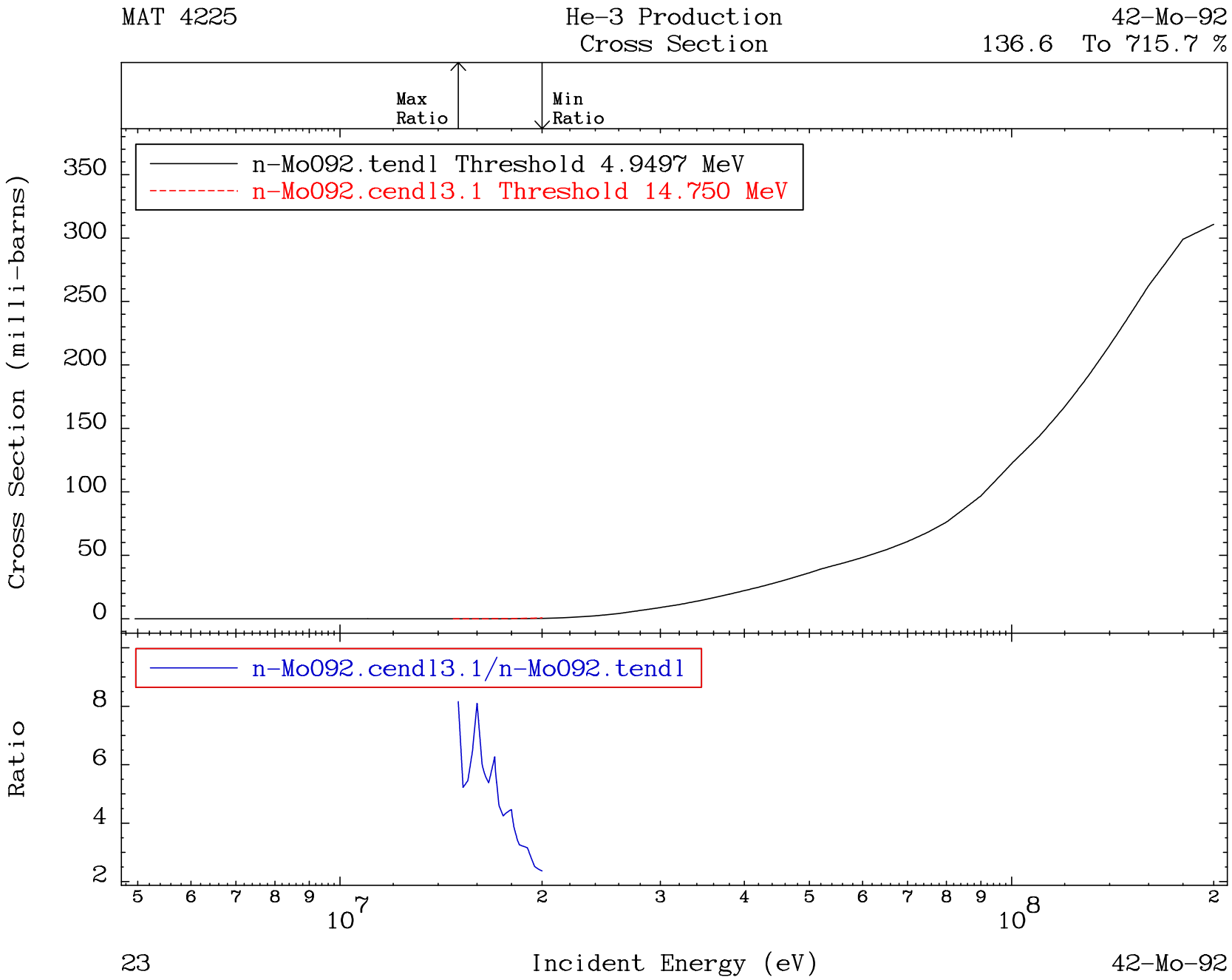

MAT 4225
(n,He-3)
Cross Section
42-Mo-92
136.6 To 715.7 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 4.9497 MeV
n-Mo092.cendl3.1 Threshold 14.750 MeV
Cross Section (milli-barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
18
42-Mo-92

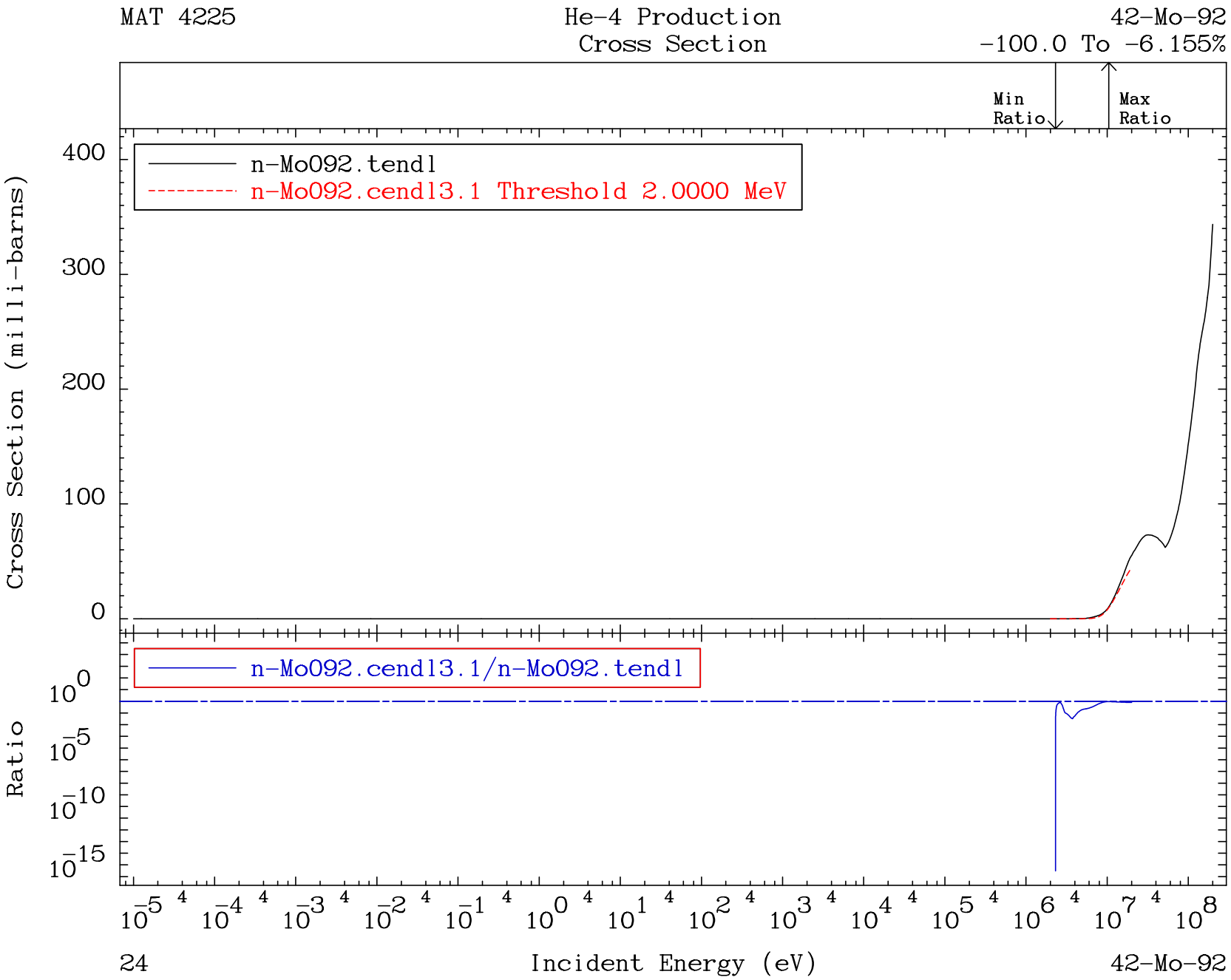

MAT 4225
(n,α)
Cross Section
42-Mo-92
-99.98 To -6.155%
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1 Threshold 2.3076 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
19
Incident Energy (eV)
42-Mo-92

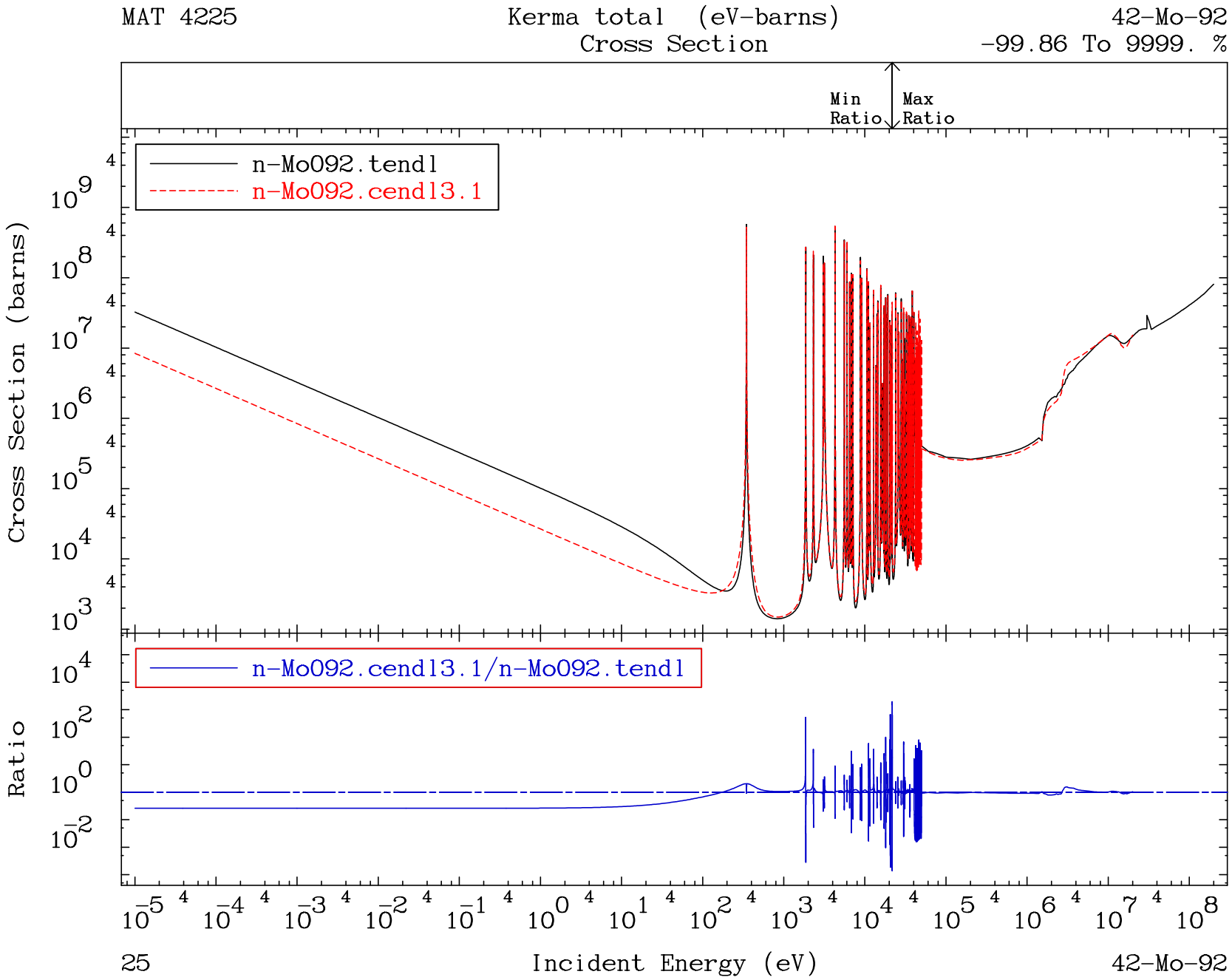

MAT 4225
Hydrogen Production
Cross Section
42-Mo-92
-21.57 To 987.6 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 40.360 keV
n-Mo092.cendl3.1 Threshold 1.2000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^1
10^0
2
6
4
2
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
42-Mo-92

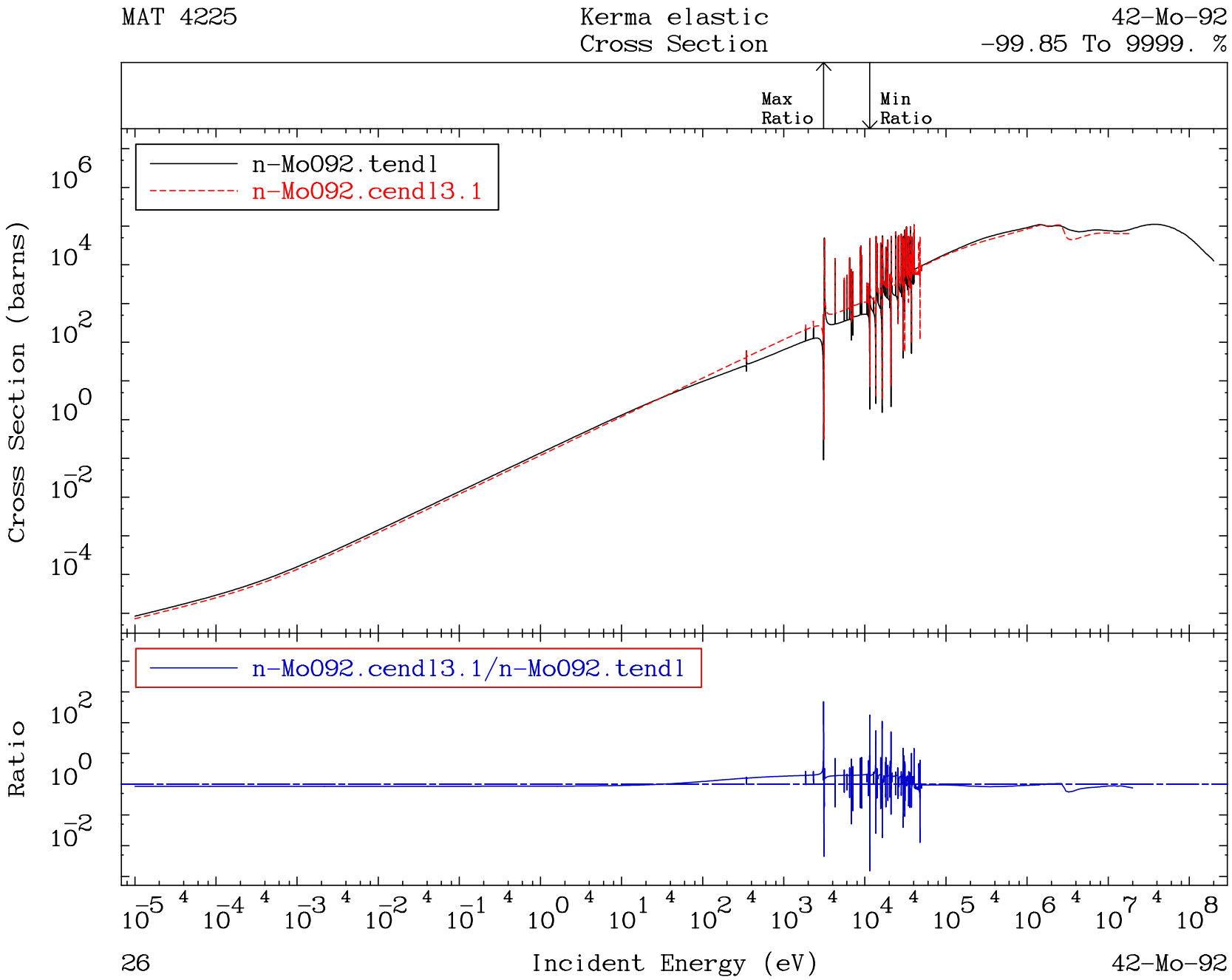

MAT 4225
Deuterium Production
Cross Section
42-Mo-92
-74.28 To 82.37 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 5.2924 MeV
n-Mo092.cendl3.1 Threshold 8.5000 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
1.8
1.2
0.6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
42-Mo-92

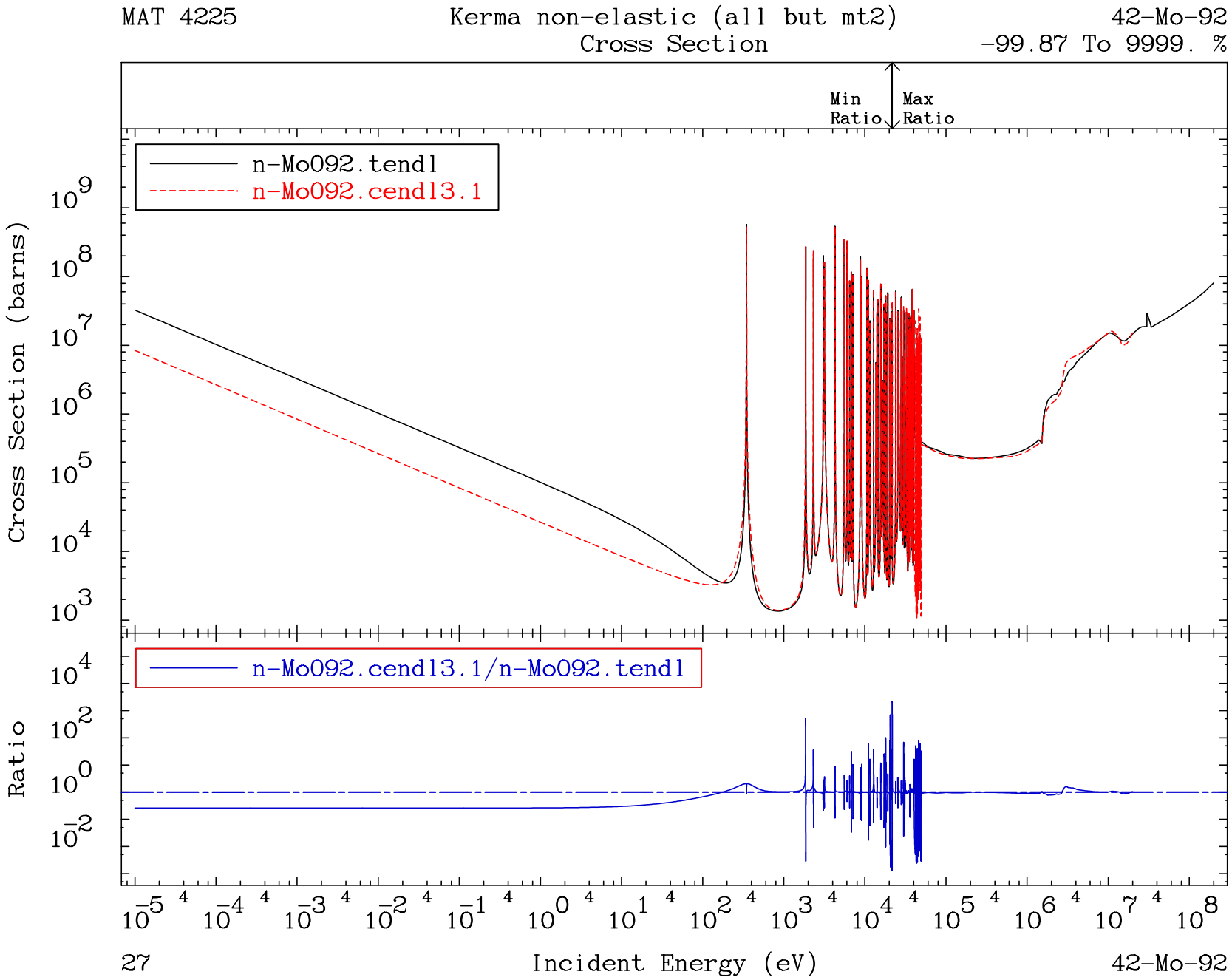

MAT 4225
Tritium Production
Cross Section
42-Mo-92
25.11 To 601.9 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 11.147 MeV
n-Mo092.cendl3.1 Threshold 15.250 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
8
6
4
2
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
42-Mo-92

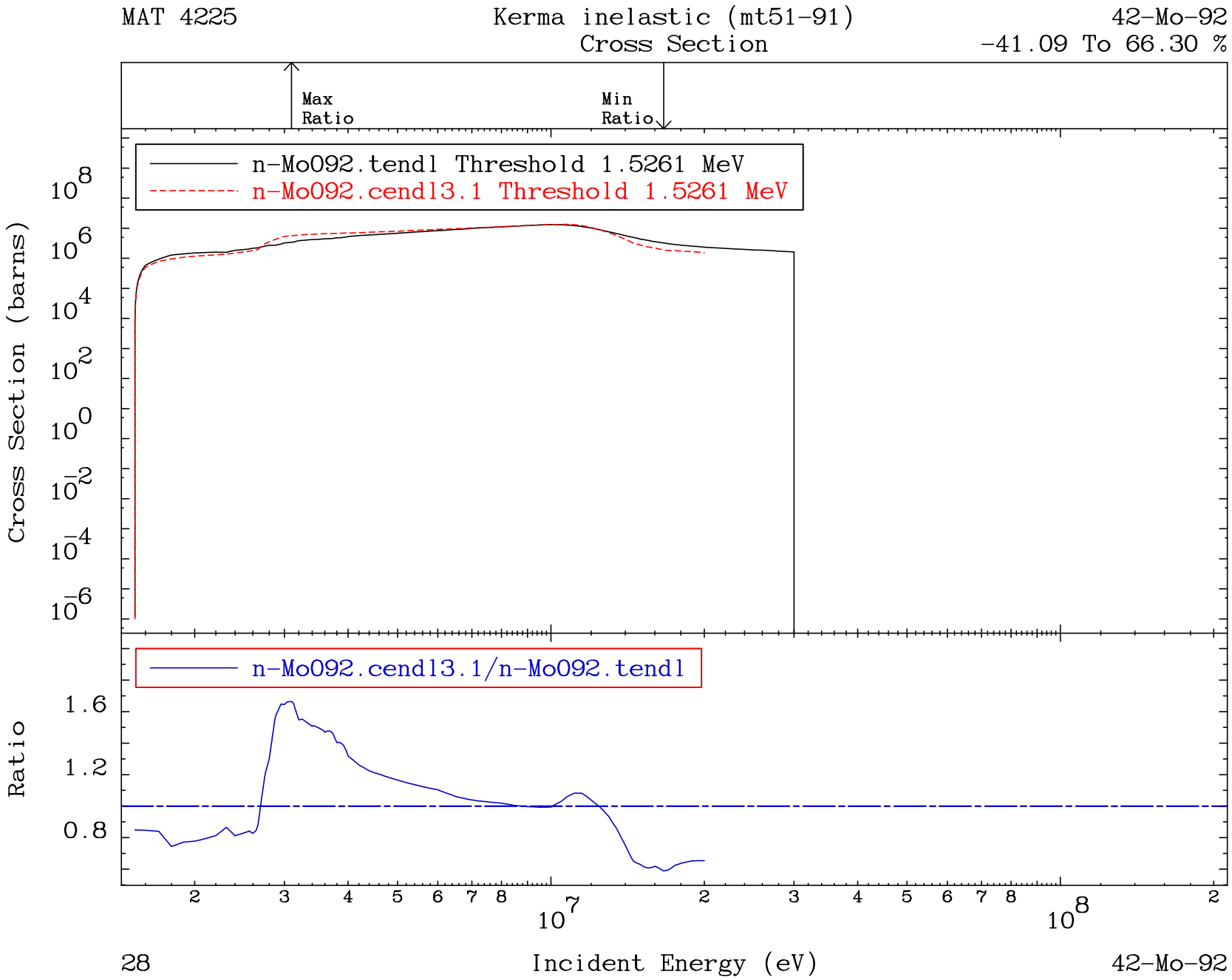

MAT 4225
He-3 Production
Cross Section
42-Mo-92
136.6 To 715.7 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 4.9497 MeV
n-Mo092.cendl3.1 Threshold 14.750 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
8
6
4
2
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
42-Mo-92

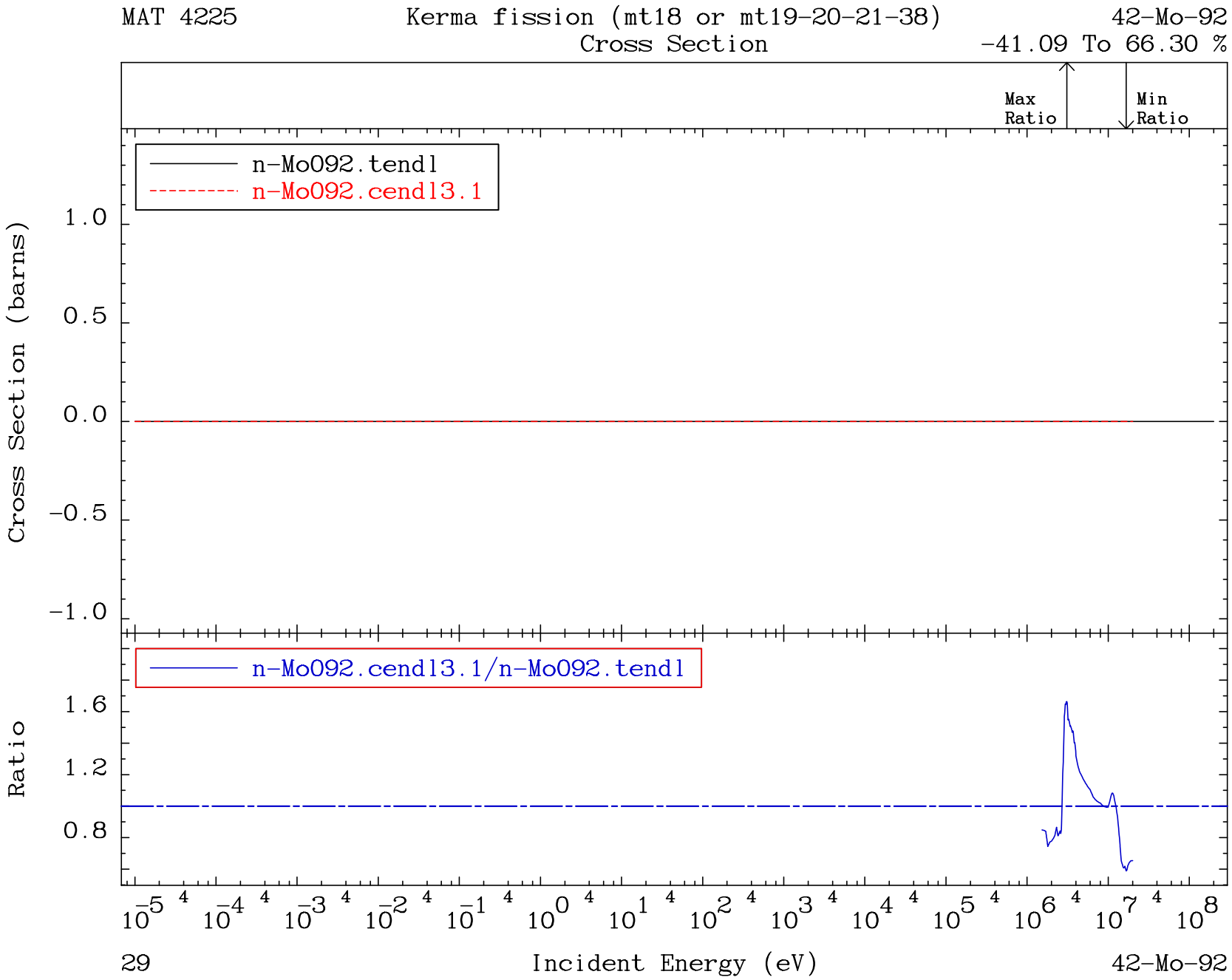

MAT 4225
He-4 Production
Cross Section
42-Mo-92
-100.0 To -6.155%
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1 Threshold 2.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
10^0
10^-5
10^-10
10^-15
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
24
Incident Energy (eV)
42-Mo-92

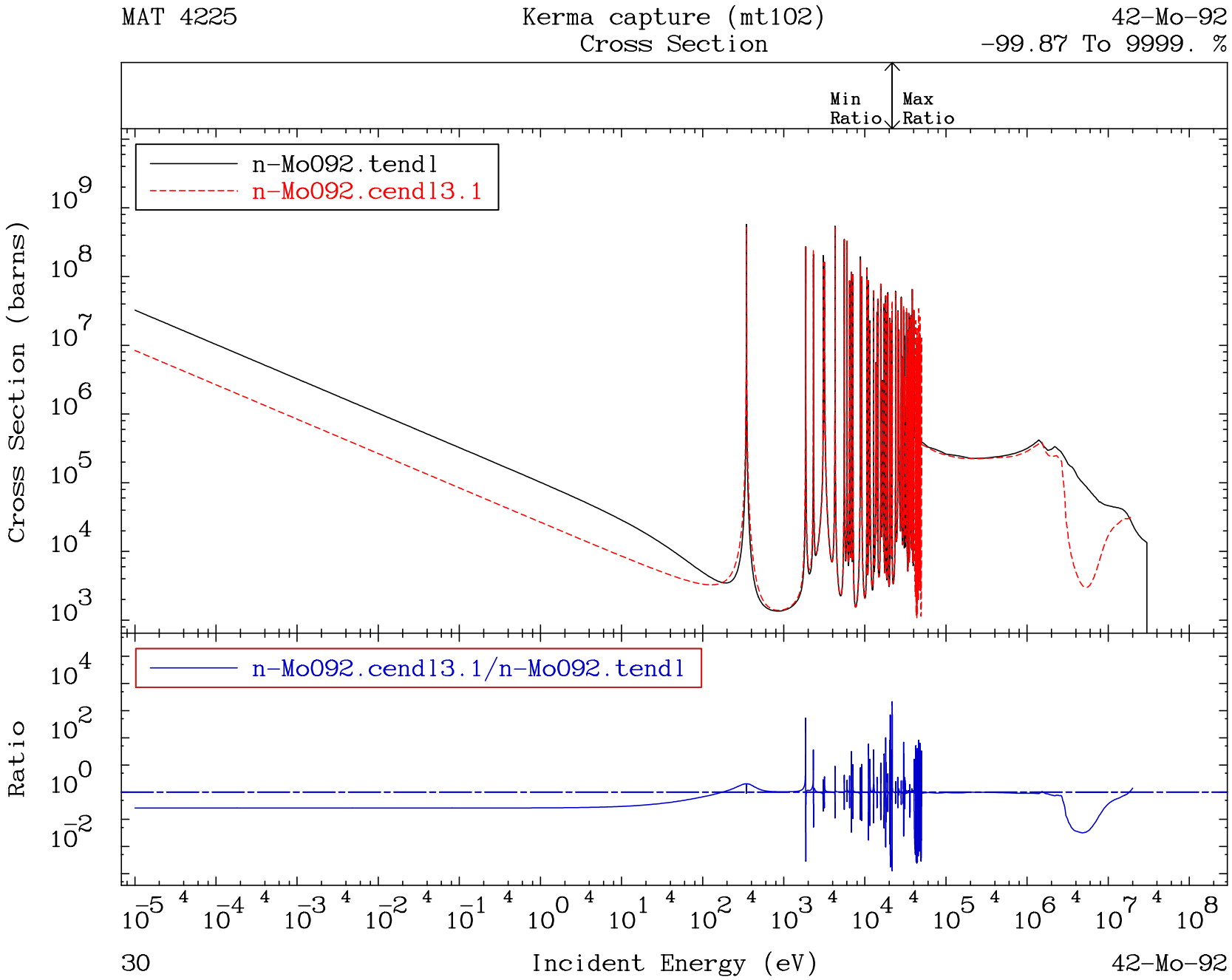

MAT 4225
Kerma total (eV-barns)
Cross Section
42-Mo-92
-99.86 To 9999. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
25
42-Mo-92

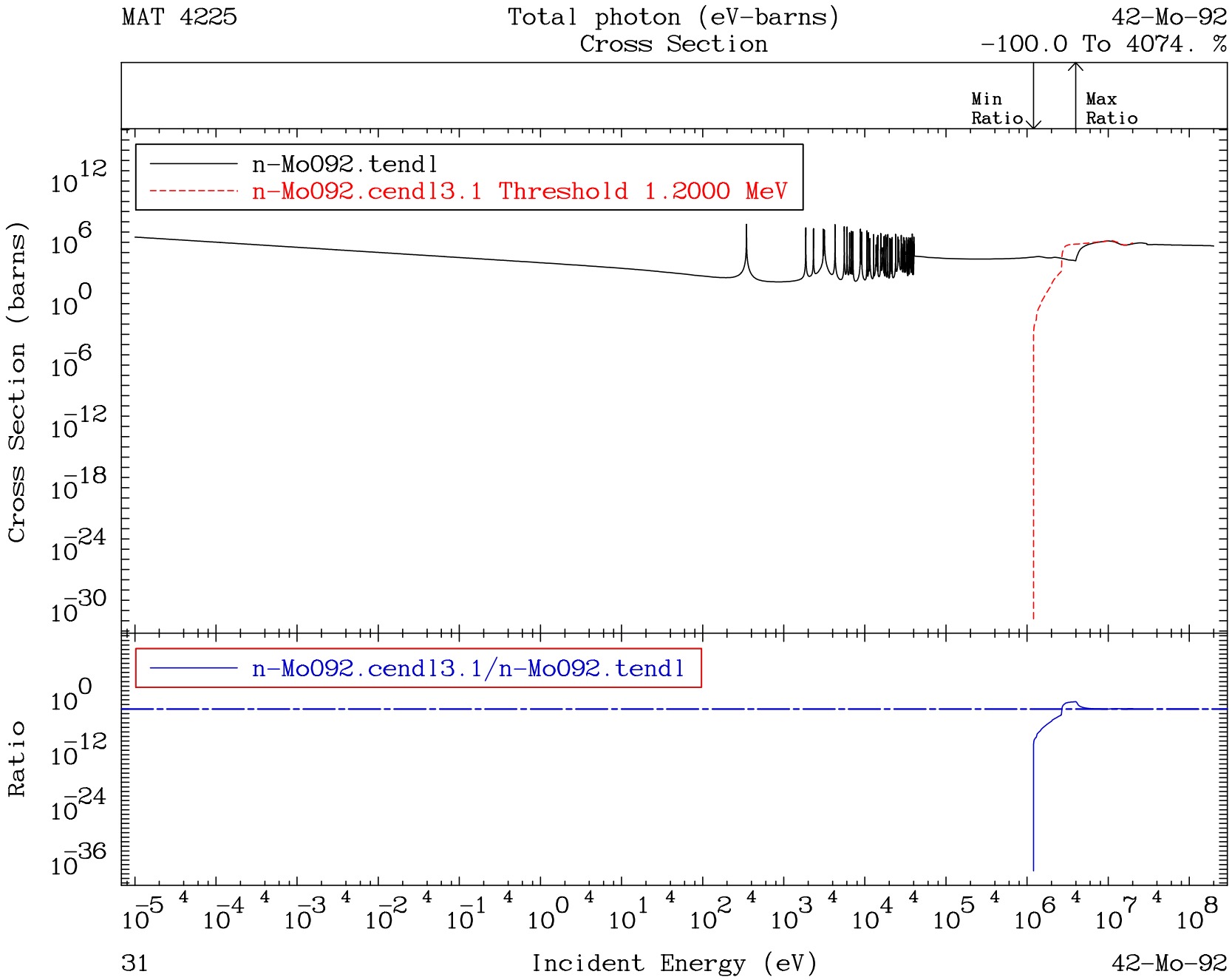

MAT 4225
Kerma elastic
Cross Section
42-Mo-92
-99.85 To 9999. %
Max Ratio
Min Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
26
42-Mo-92

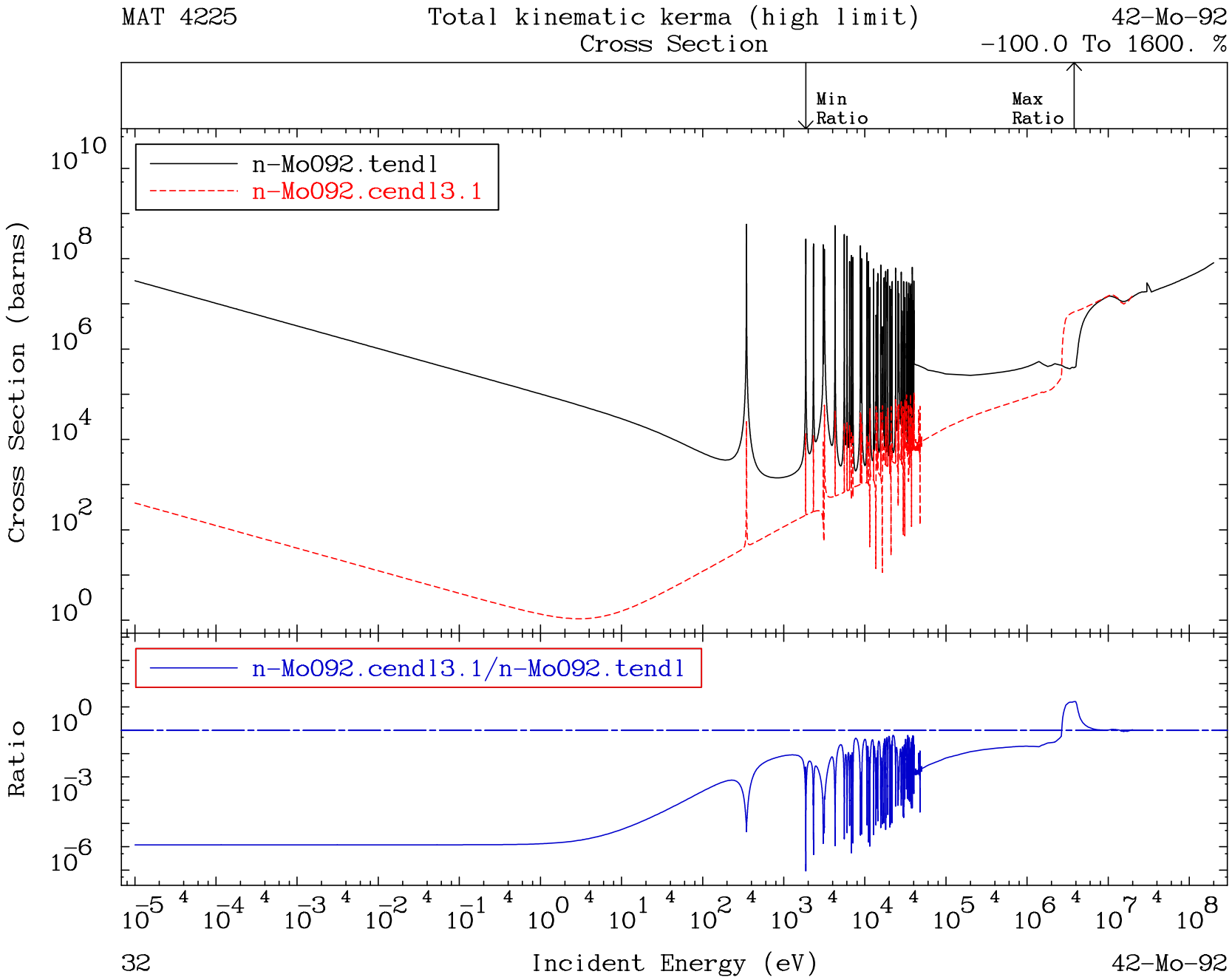

MAT 4225
Kerma non-elastic (all but mt2)
Cross Section
42-Mo-92
-99.87 To 9999. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
27
42-Mo-92

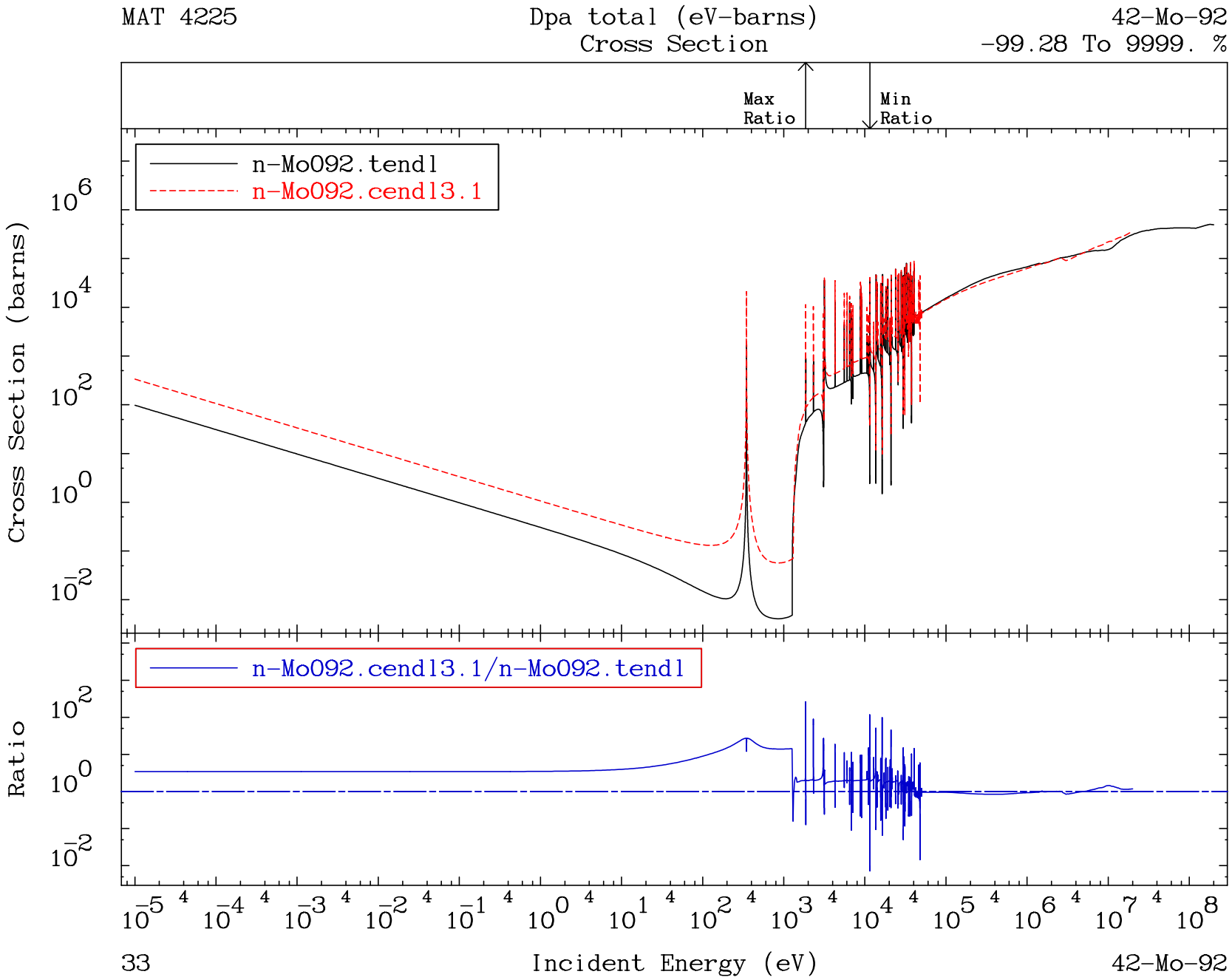

MAT 4225
Kerma inelastic (mt51-91)
Cross Section
42-Mo-92
-41.09 To 66.30 %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 1.5261 MeV
n-Mo092.cendl3.1 Threshold 1.5261 MeV
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
28
42-Mo-92

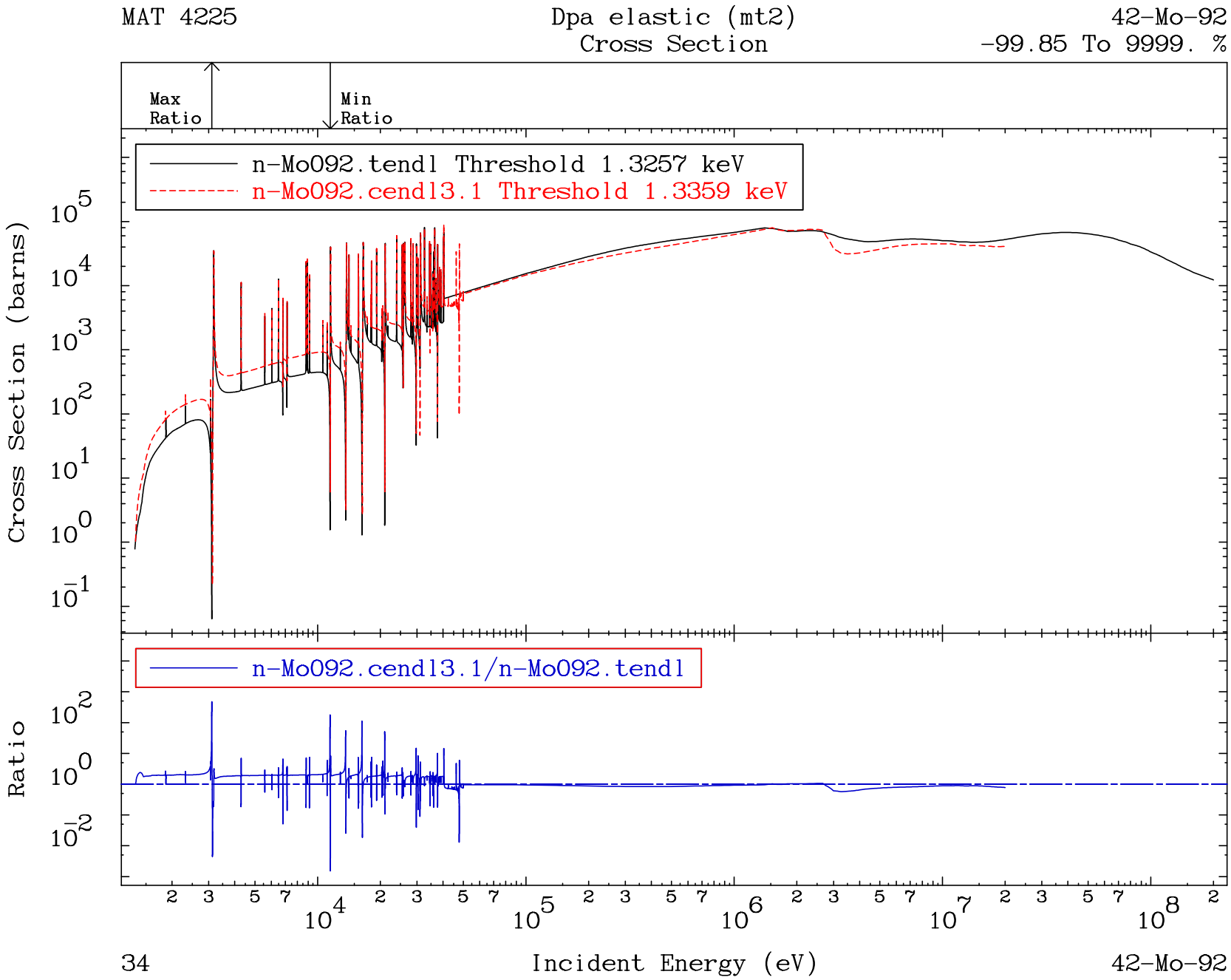

MAT 4225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
42-Mo-92
-41.09 To 66.30 %
Max Ratio
Min Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
1.6
1.2
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
42-Mo-92

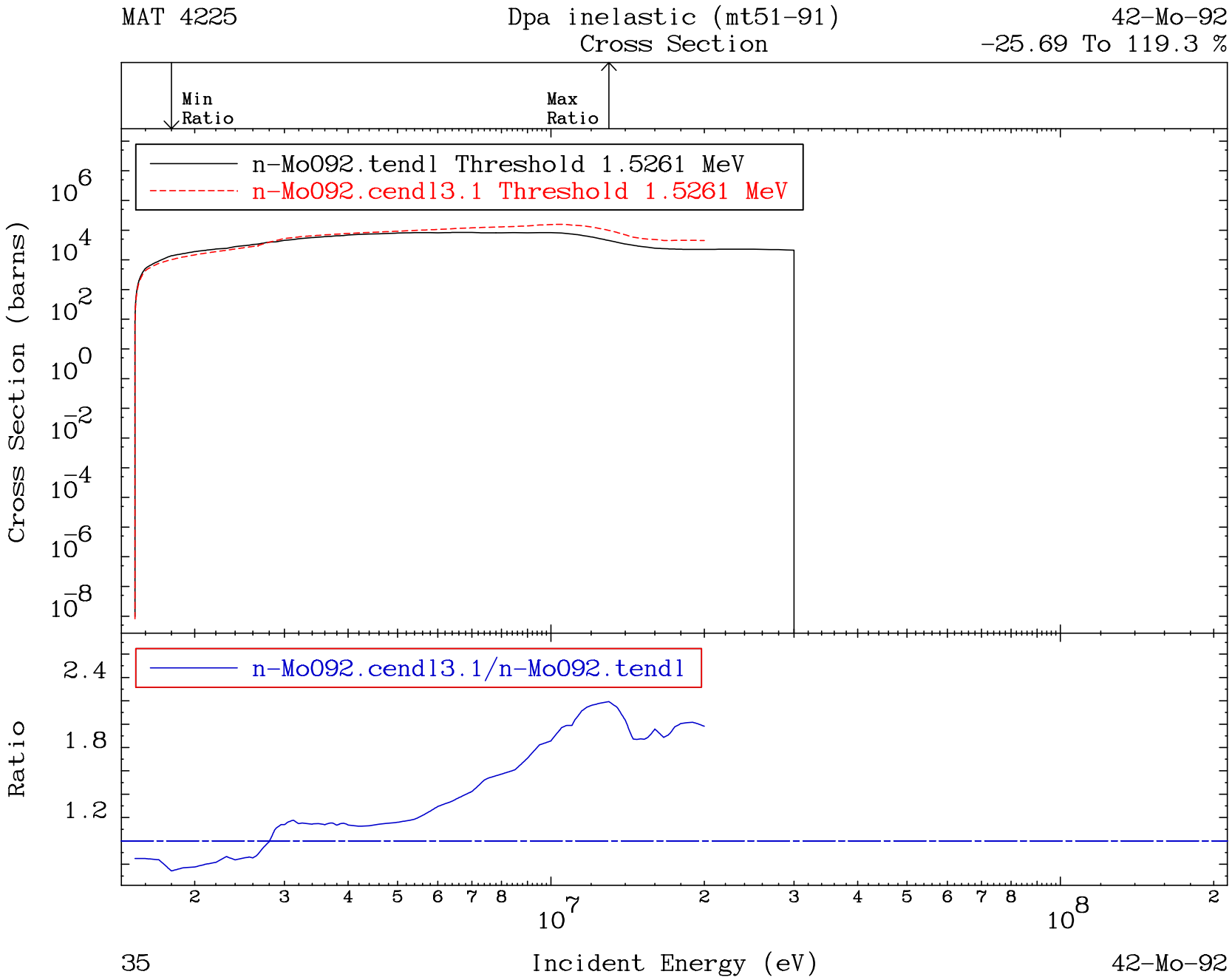

MAT 4225
Kerma capture (mt102)
Cross Section
42-Mo-92
-99.87 To 9999. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
30
42-Mo-92

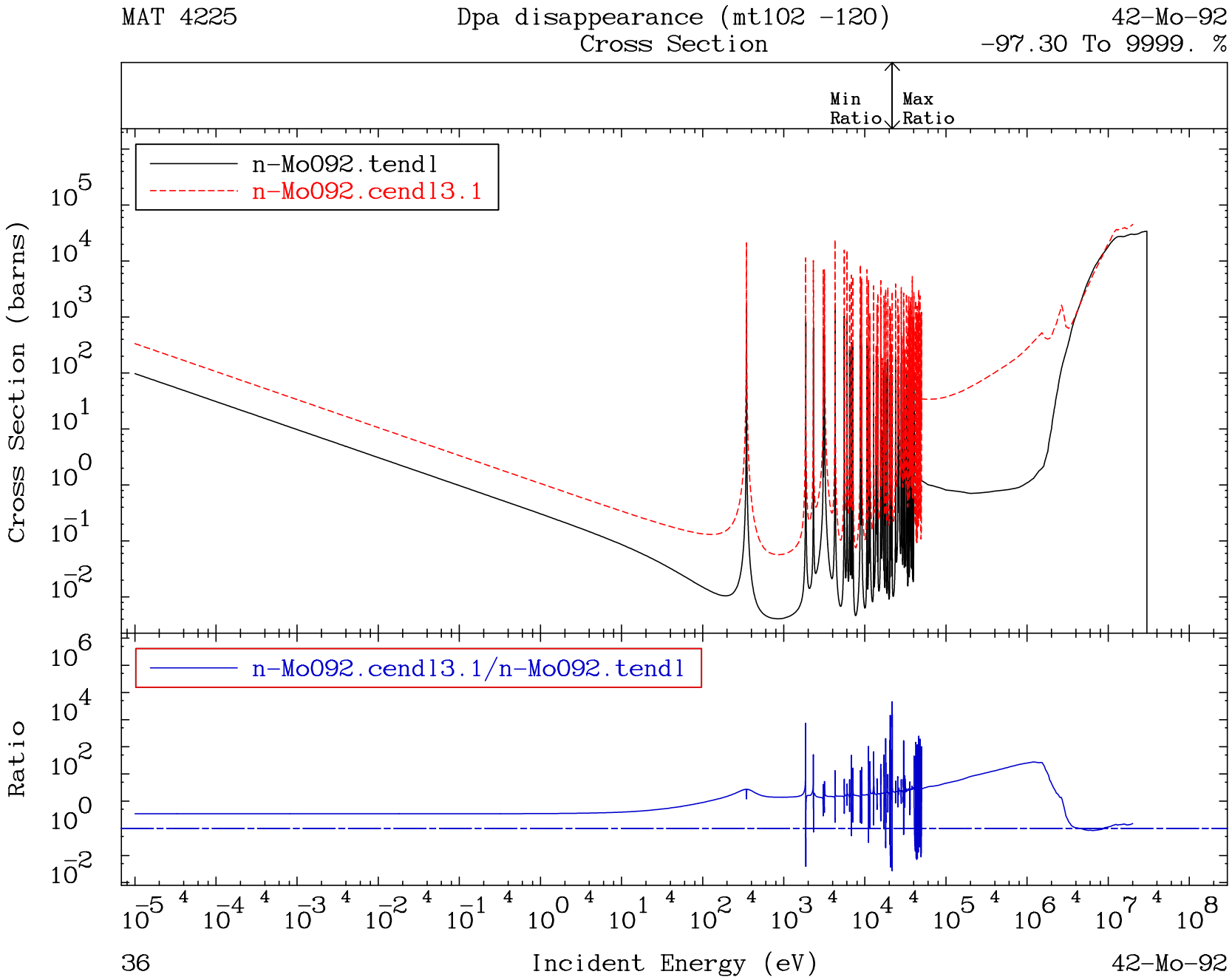

MAT 4225
Total photon (eV-barns)
Cross Section
42-Mo-92
-100.0 To 4074. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1 Threshold 1.2000 MeV
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
31
42-Mo-92


MAT 4225
Total kinematic kerma (high limit)
Cross Section
42-Mo-92
-100.0 To 1600. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
32
42-Mo-92


MAT 4225
Dpa total (eV-barns)
Cross Section
42-Mo-92
-99.28 To 9999. %
Max Ratio
Min Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
33
42-Mo-92


MAT 4225
Dpa elastic (mt2)
Cross Section
42-Mo-92
-99.85 To 9999. %
Max Ratio
Min Ratio
n-Mo092.tendl Threshold 1.3257 keV
n-Mo092.cendl3.1 Threshold 1.3359 keV
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
34
42-Mo-92


MAT 4225
Dpa inelastic (mt51-91)
Cross Section
42-Mo-92
-25.69 To 119.3 %
Min Ratio
Max Ratio
n-Mo092.tendl Threshold 1.5261 MeV
n-Mo092.cendl3.1 Threshold 1.5261 MeV
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
35
42-Mo-92


MAT 4225
Dpa disappearance (mt102 -120)
Cross Section
42-Mo-92
-97.30 To 9999. %
Min Ratio
Max Ratio
n-Mo092.tendl
n-Mo092.cendl3.1
Cross Section (barns)
n-Mo092.cendl3.1/n-Mo092.tendl
Ratio
Incident Energy (eV)
36
42-Mo-92