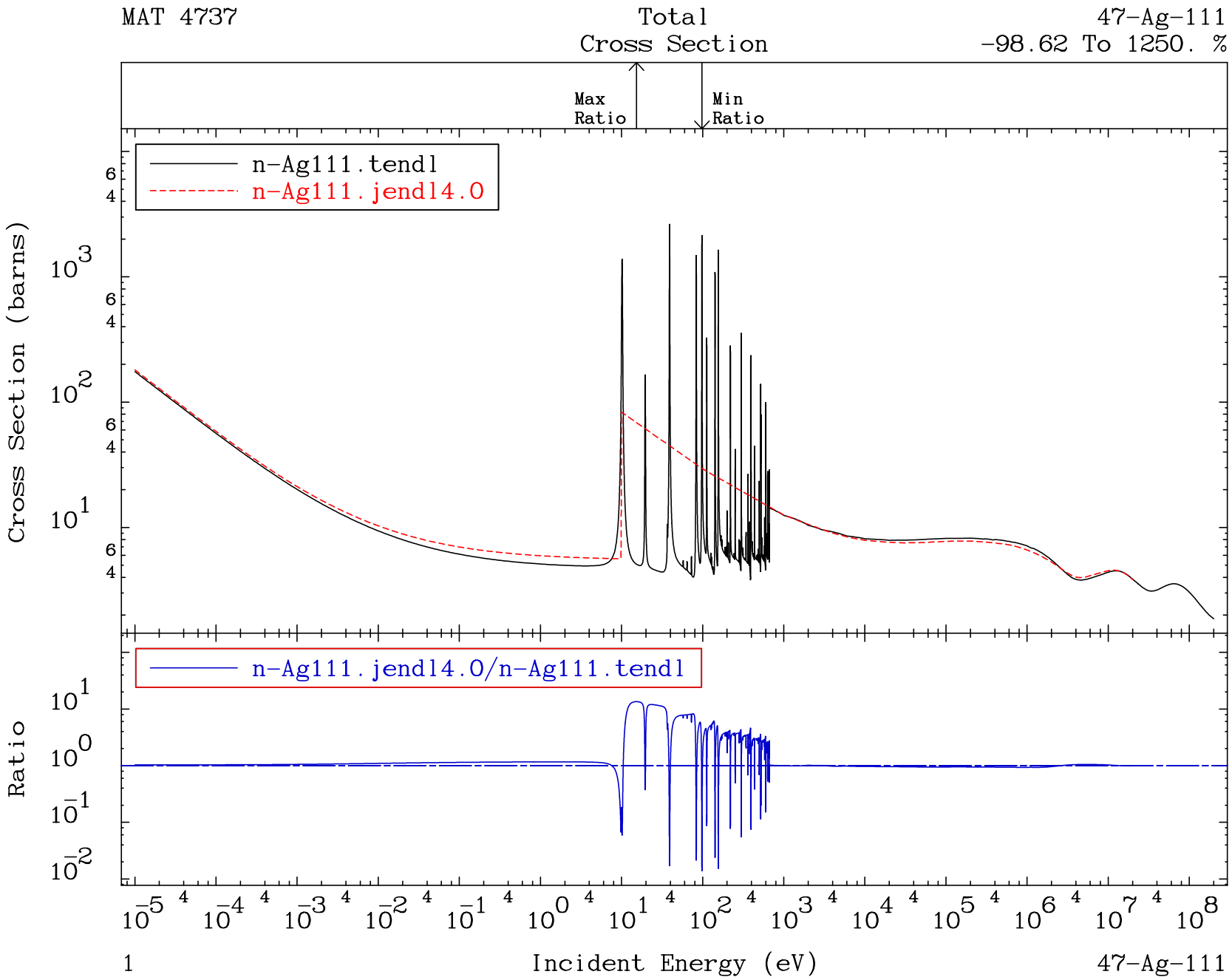
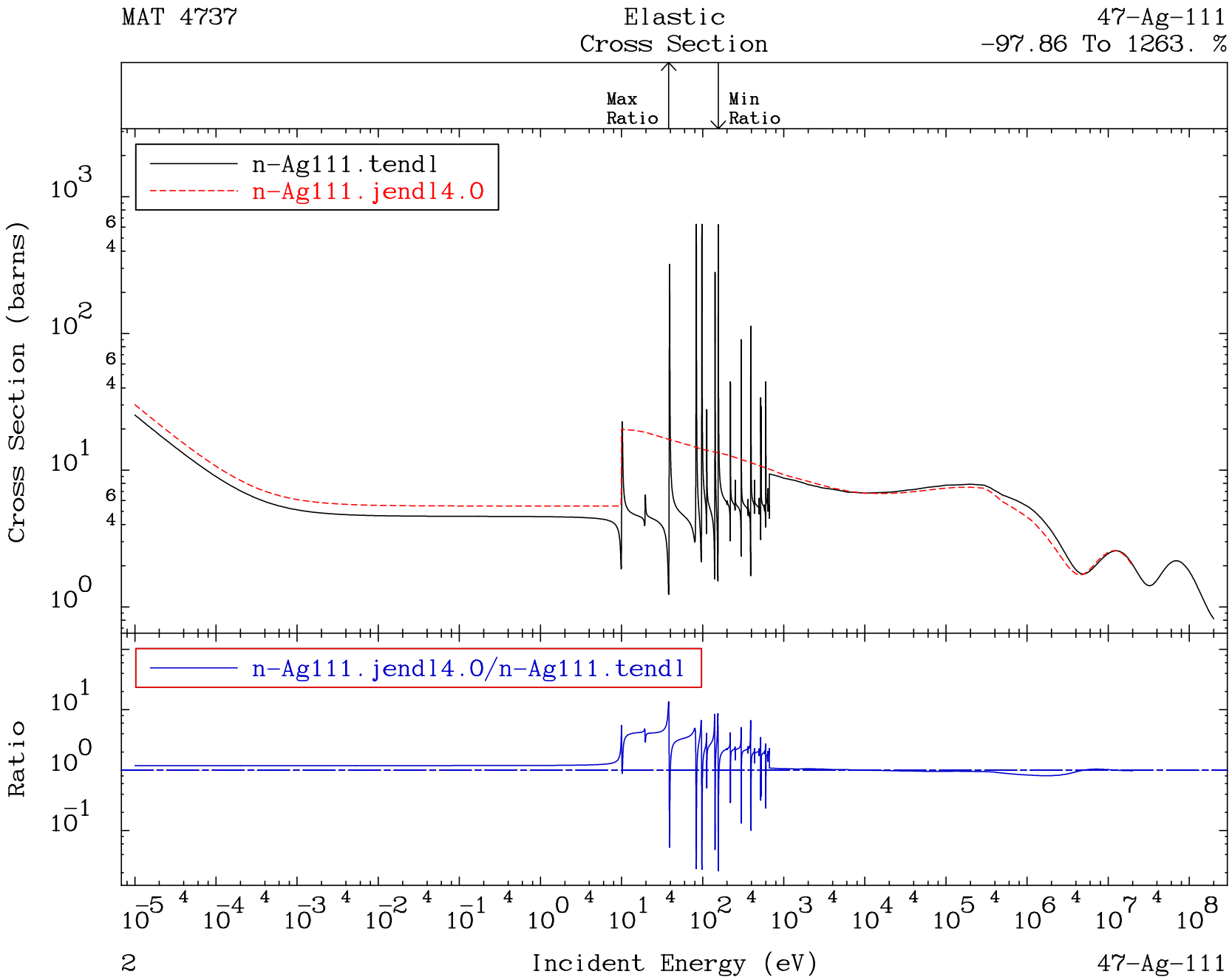
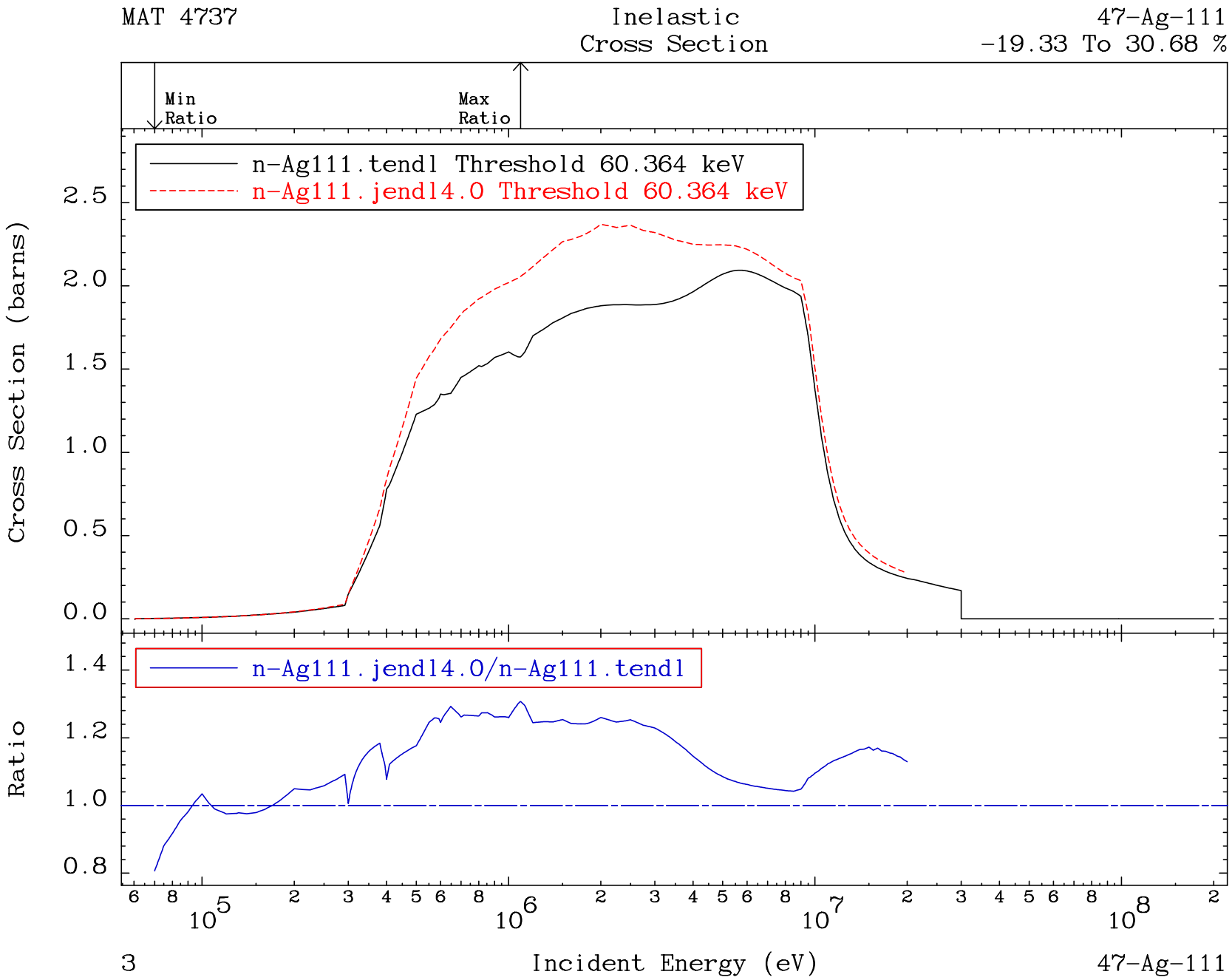
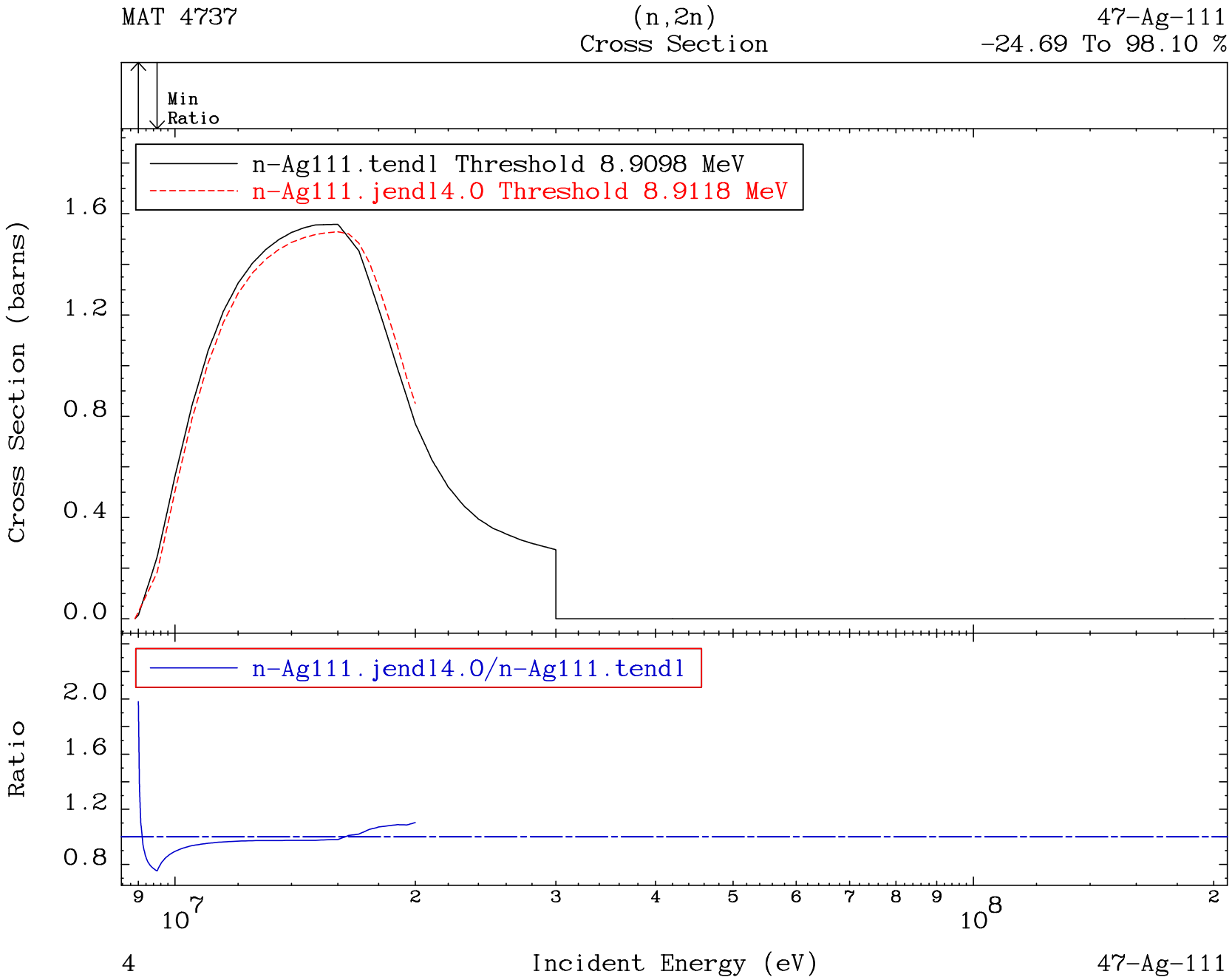
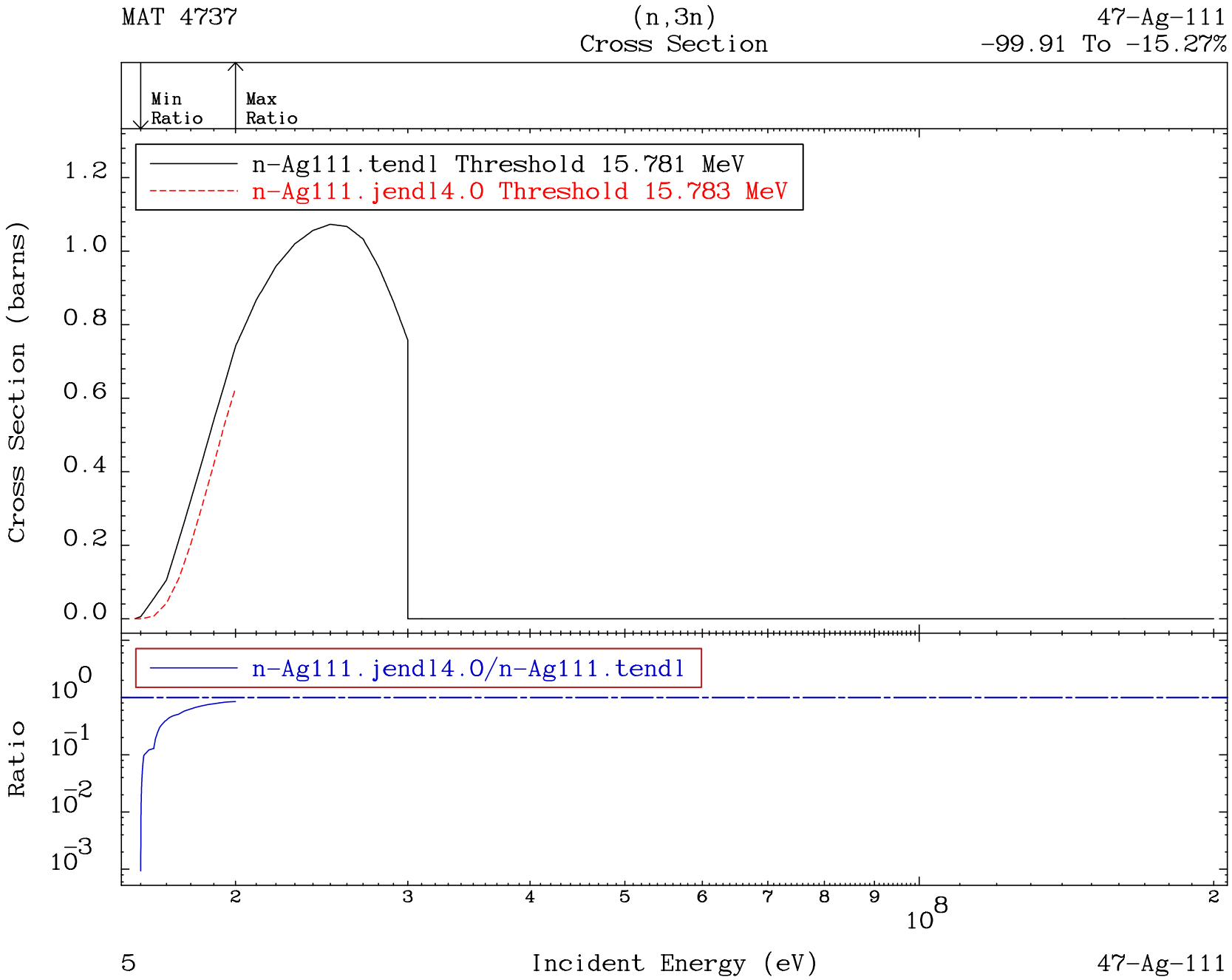
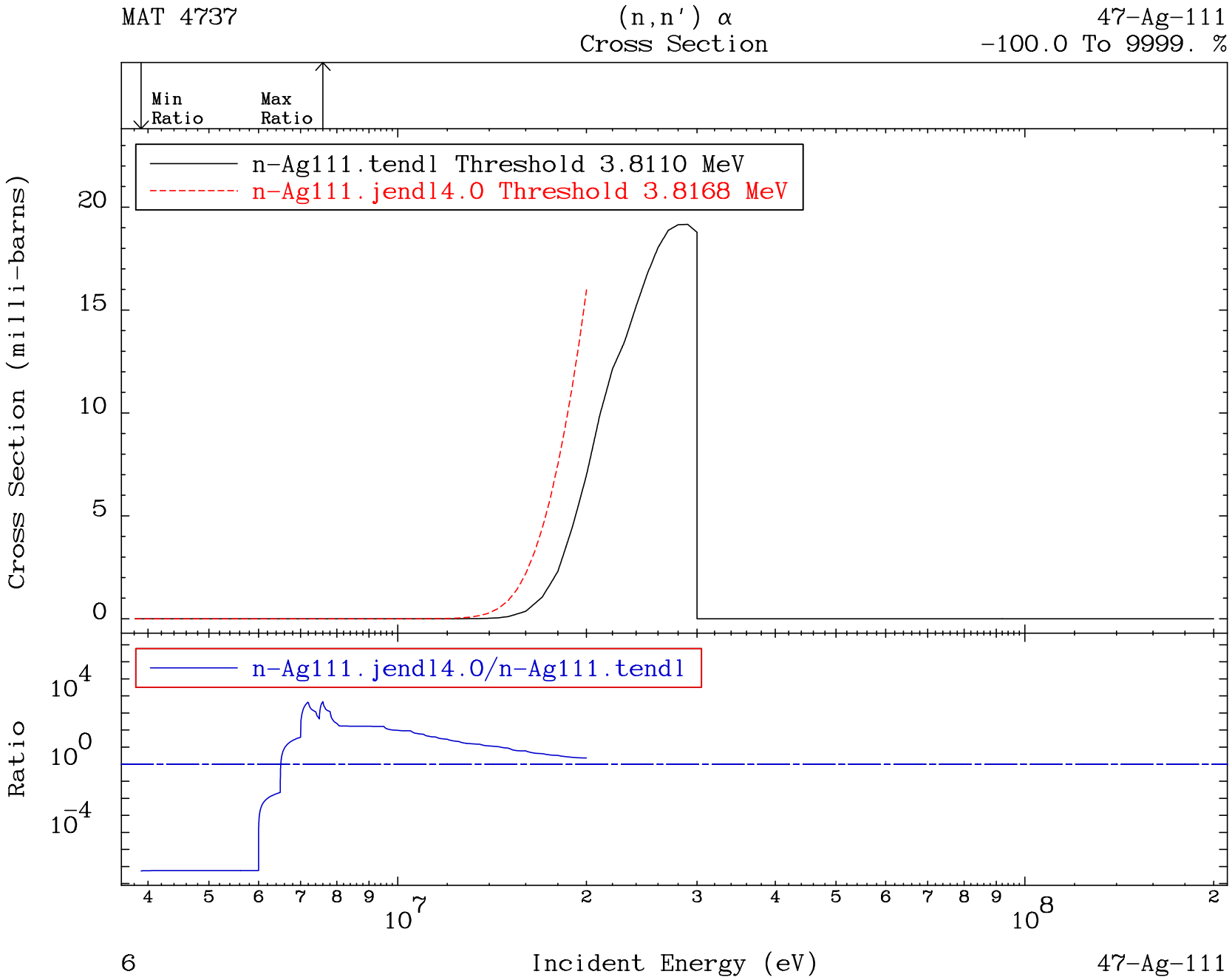

MAT 4737
Total
Cross Section
47-Ag-111
-98.62 To 1250. %
Max
Ratio
Min
Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
1
47-Ag-111

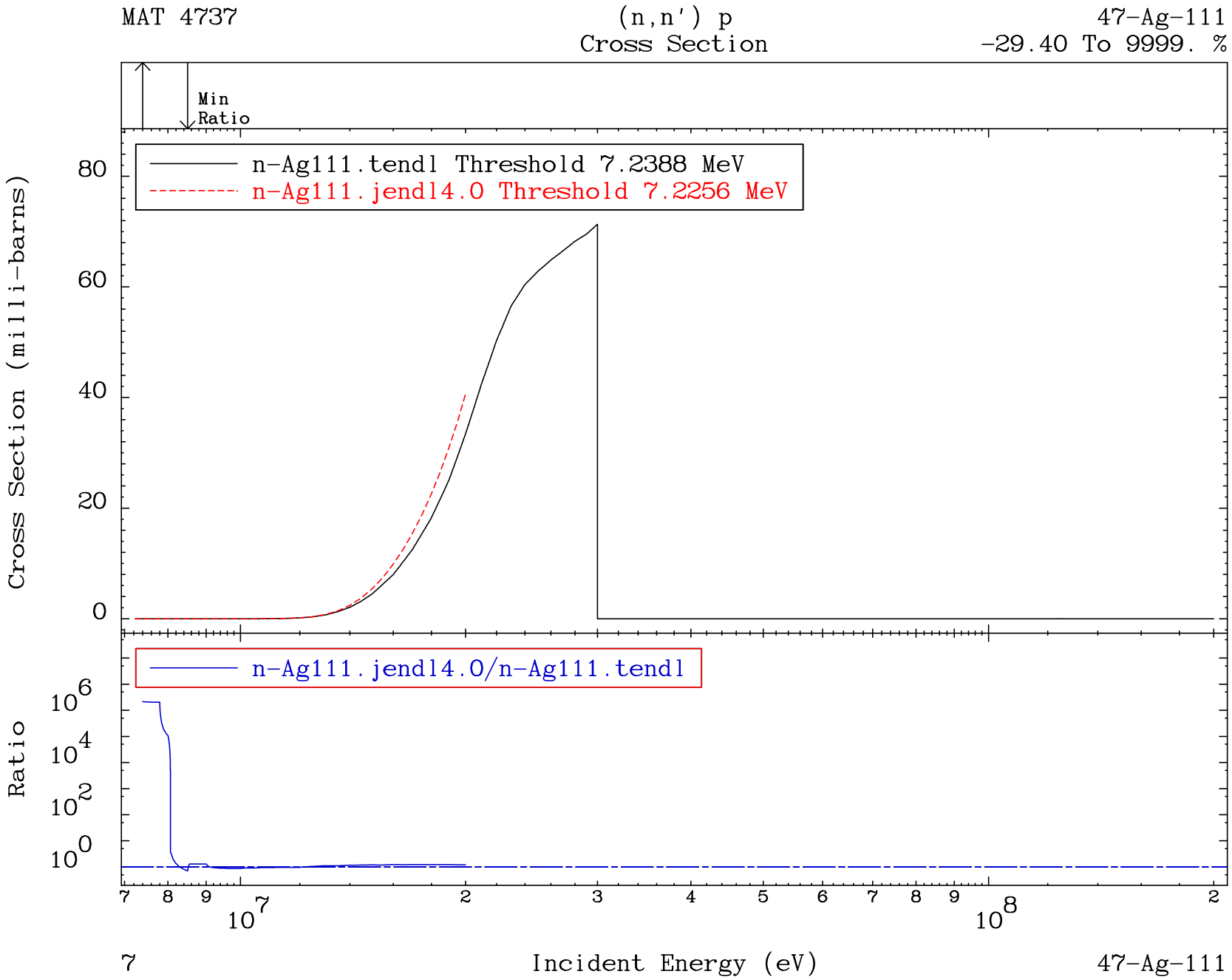

MAT 4737
Elastic
Cross Section
47-Ag-111
-97.86 To 1263. %
Max
Ratio
Min
Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
2
47-Ag-111

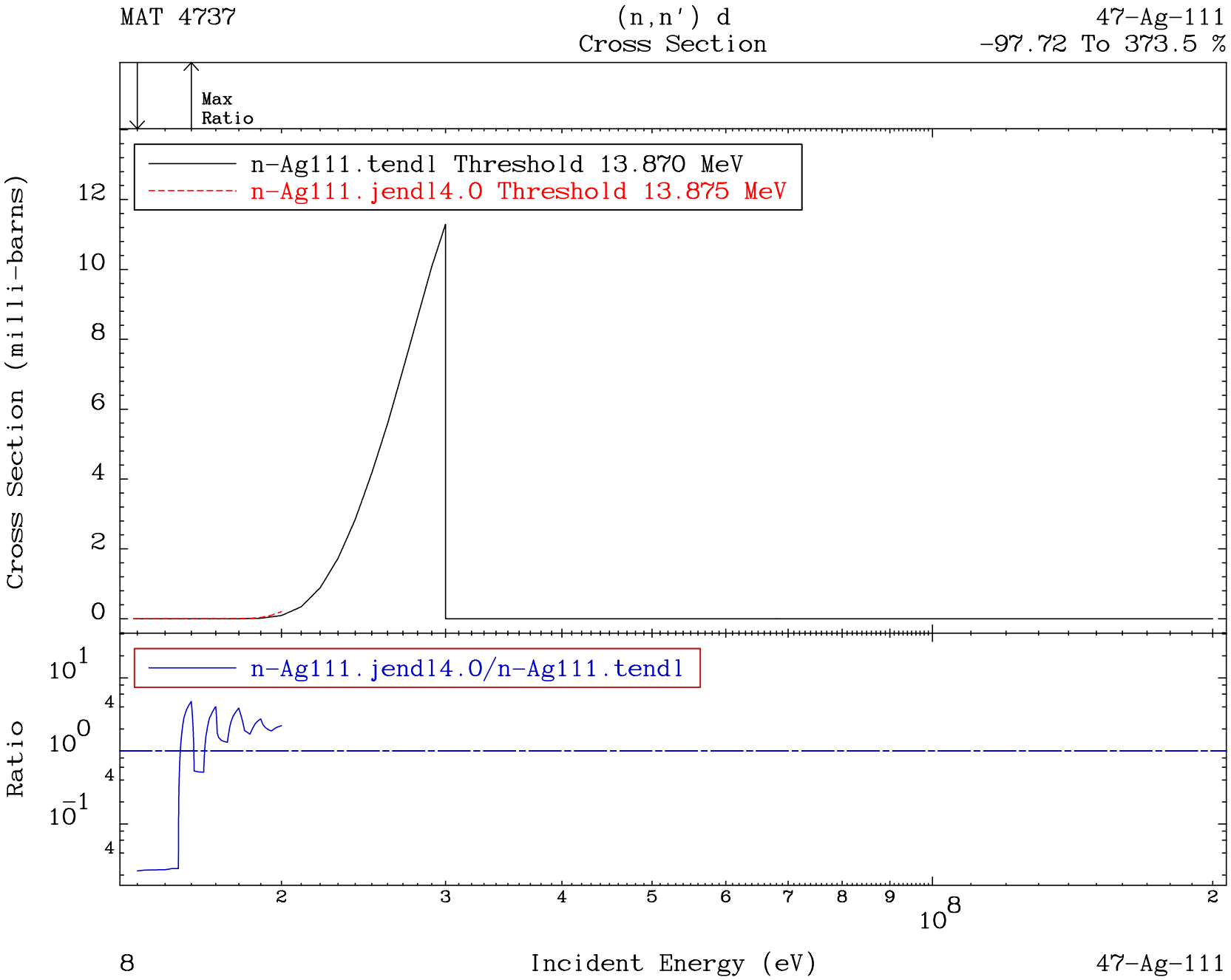

MAT 4737
Inelastic
Cross Section
47-Ag-111
-19.33 To 30.68 %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jendl4.0 Threshold 60.364 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
1.4
1.2
1.0
0.8
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
47-Ag-111

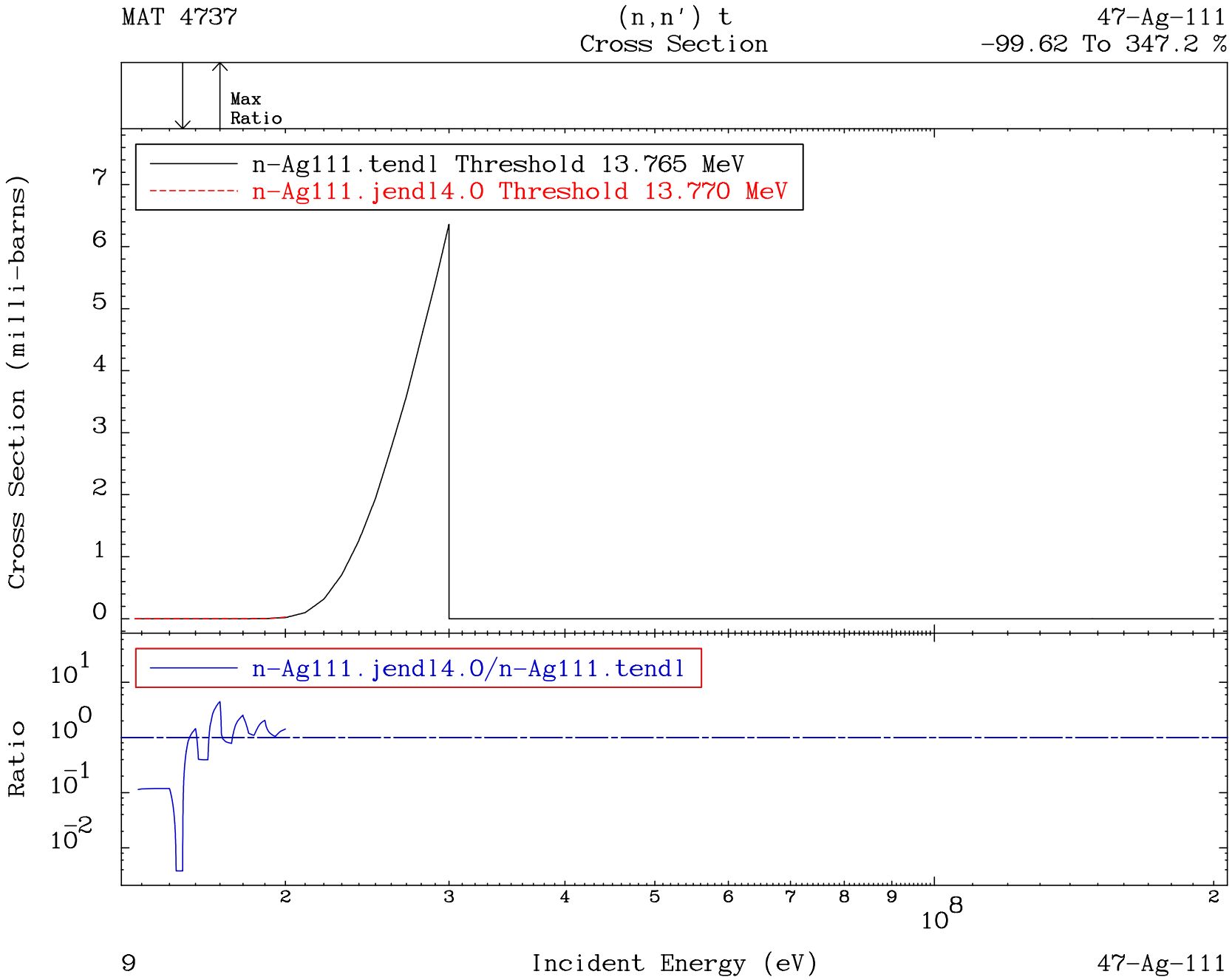

MAT 4737
(n,2n)
Cross Section
47-Ag-111
-24.69 To 98.10 %
Min
Ratio
n-Ag111.tendl Threshold 8.9098 MeV
n-Ag111.jendl4.0 Threshold 8.9118 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
2.0
1.6
1.2
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
47-Ag-111

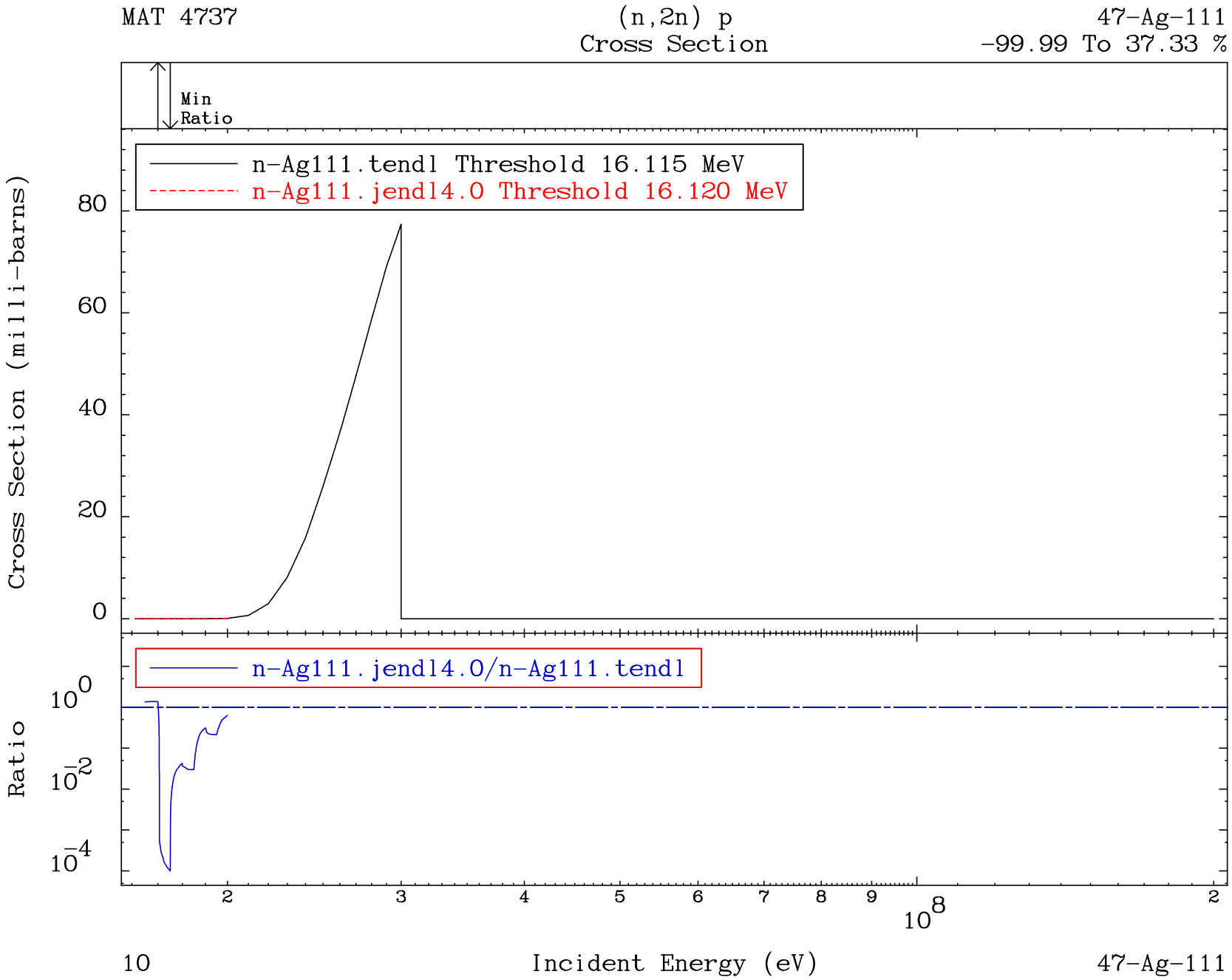

MAT 4737
(n,3n)
Cross Section
47-Ag-111
-99.91 To -15.27%
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.781 MeV
n-Ag111.jendl4.0 Threshold 15.783 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
47-Ag-111

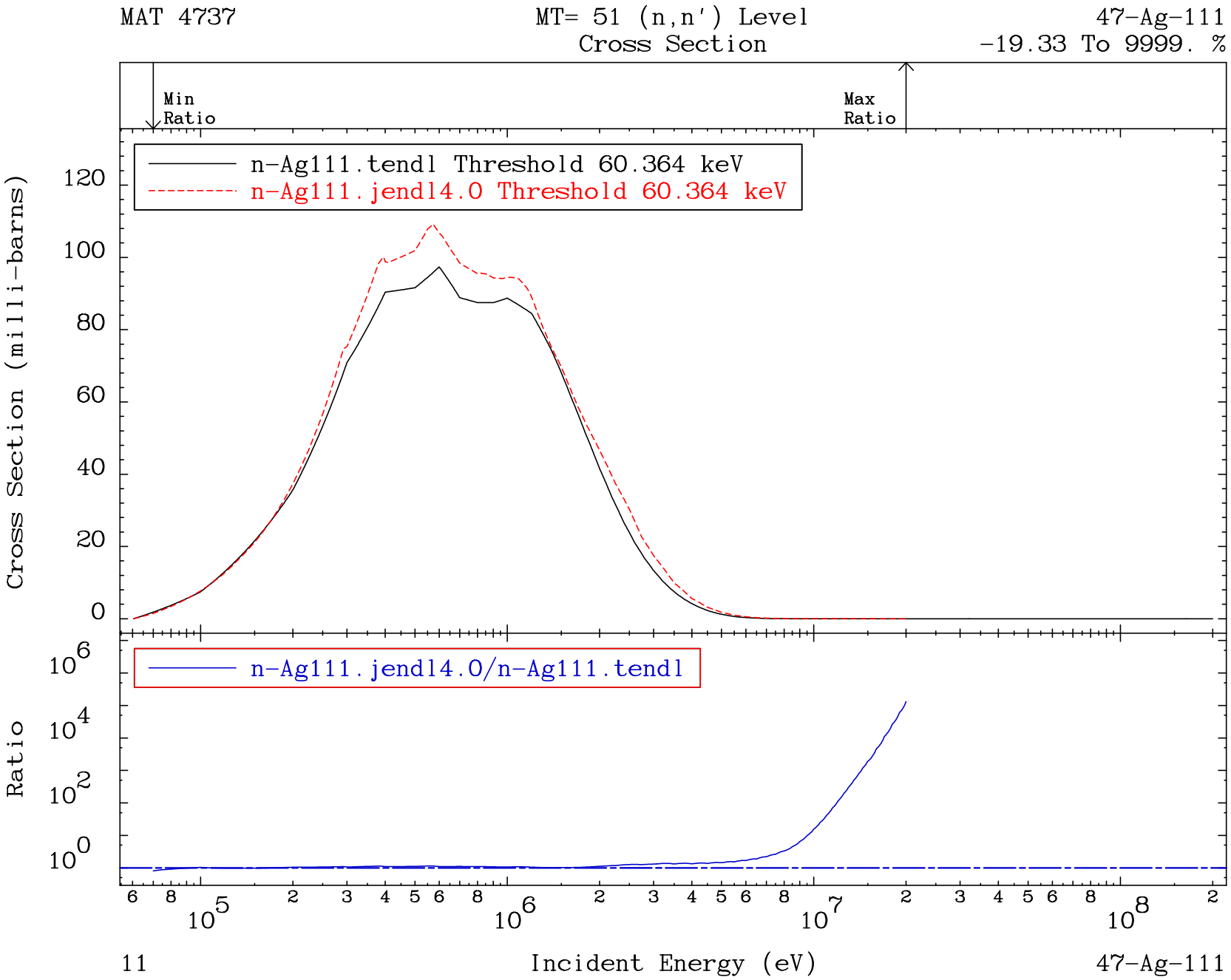

MAT 4737
(n,n') α
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 3.8110 MeV
n-Ag111.jendl4.0 Threshold 3.8168 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^4
10^0
10^-4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
47-Ag-111

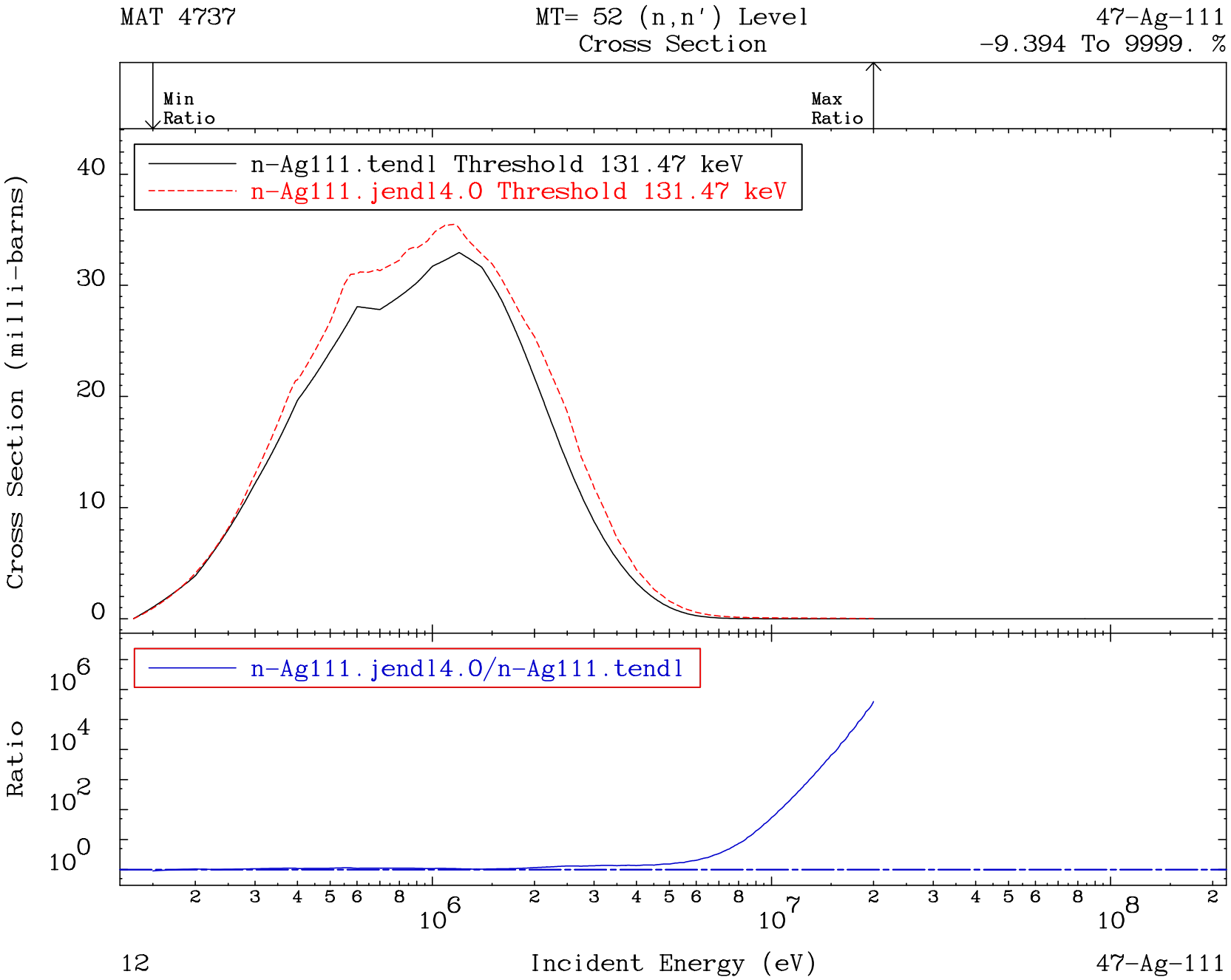

MAT 4737
(n,n') p
Cross Section
47-Ag-111
-29.40 To 9999. %
Min
Ratio
n-Ag111.tendl Threshold 7.2388 MeV
n-Ag111.jendl4.0 Threshold 7.2256 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
47-Ag-111

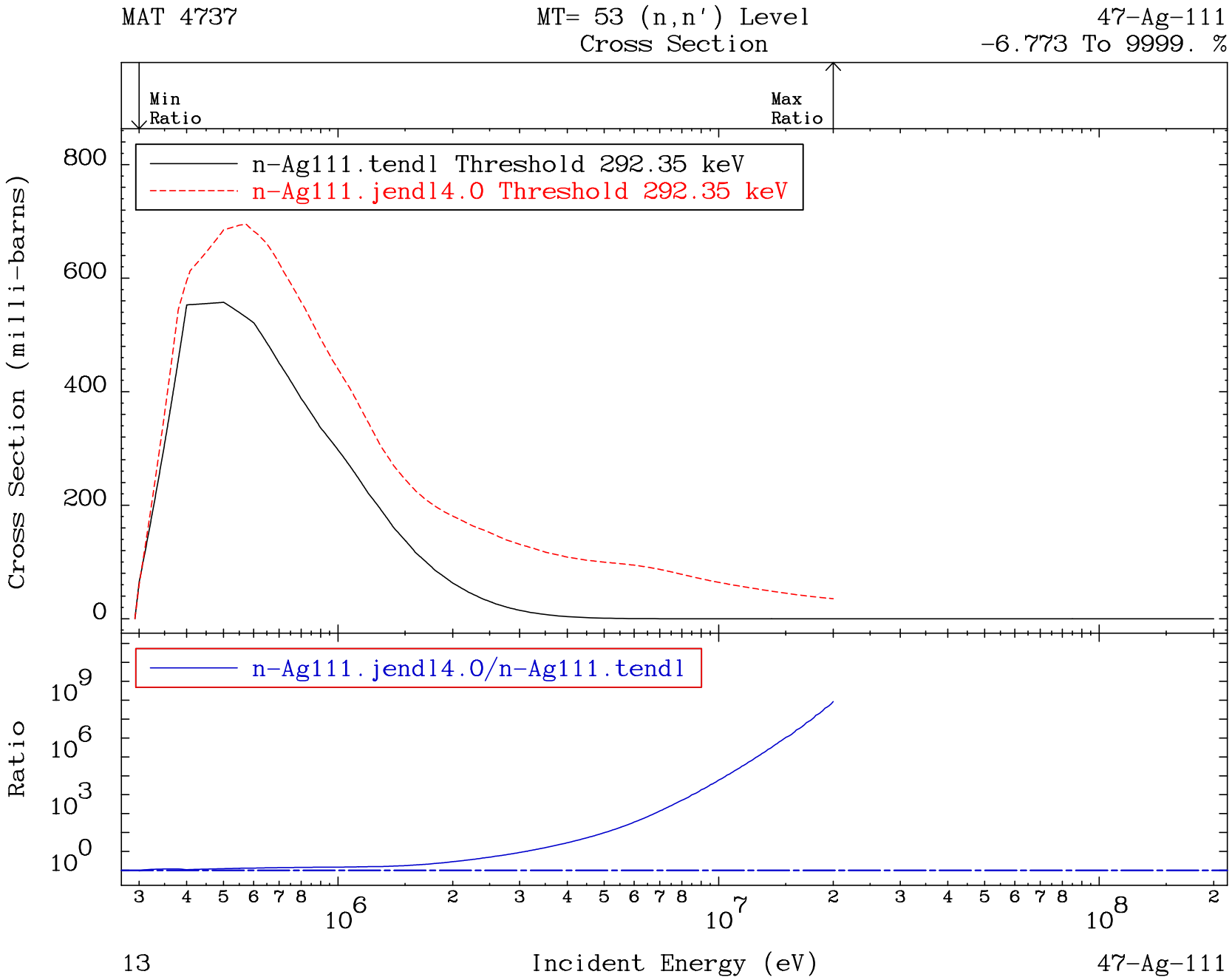

MAT 4737
(n,n') d
Cross Section
47-Ag-111
-97.72 To 373.5 %
Max
Ratio
n-Ag111.tendl Threshold 13.870 MeV
n-Ag111.jendl4.0 Threshold 13.875 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^1
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
47-Ag-111

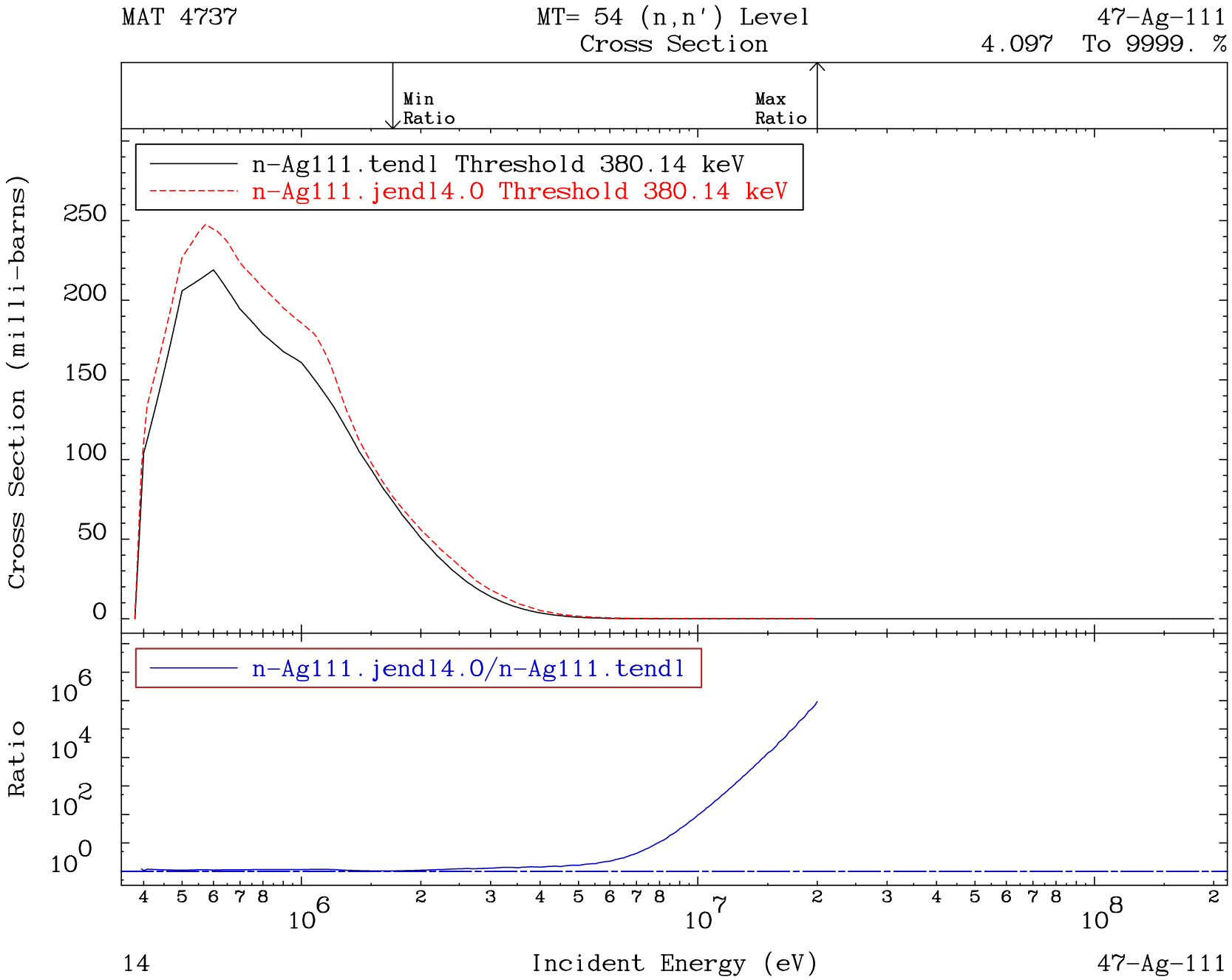

MAT 4737
(n,n') t
Cross Section
47-Ag-111
-99.62 To 347.2 %
Max
Ratio
n-Ag111.tendl Threshold 13.765 MeV
n-Ag111.jendl4.0 Threshold 13.770 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^1
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
47-Ag-111

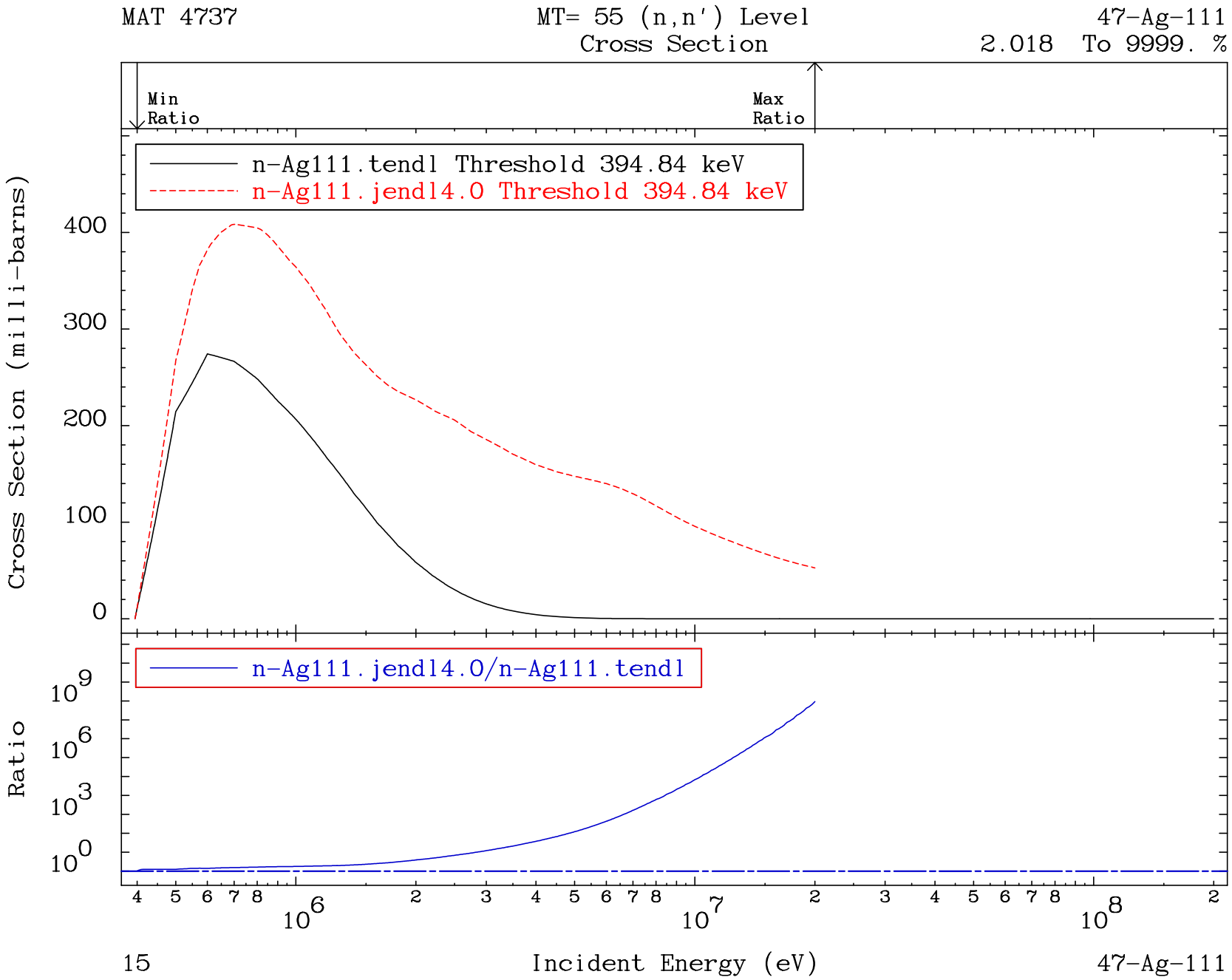

MAT 4737
(n,2n) p
Cross Section
47-Ag-111
-99.99 To 37.33 %
Min
Ratio
n-Ag111.tendl Threshold 16.115 MeV
n-Ag111.jendl4.0 Threshold 16.120 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
47-Ag-111

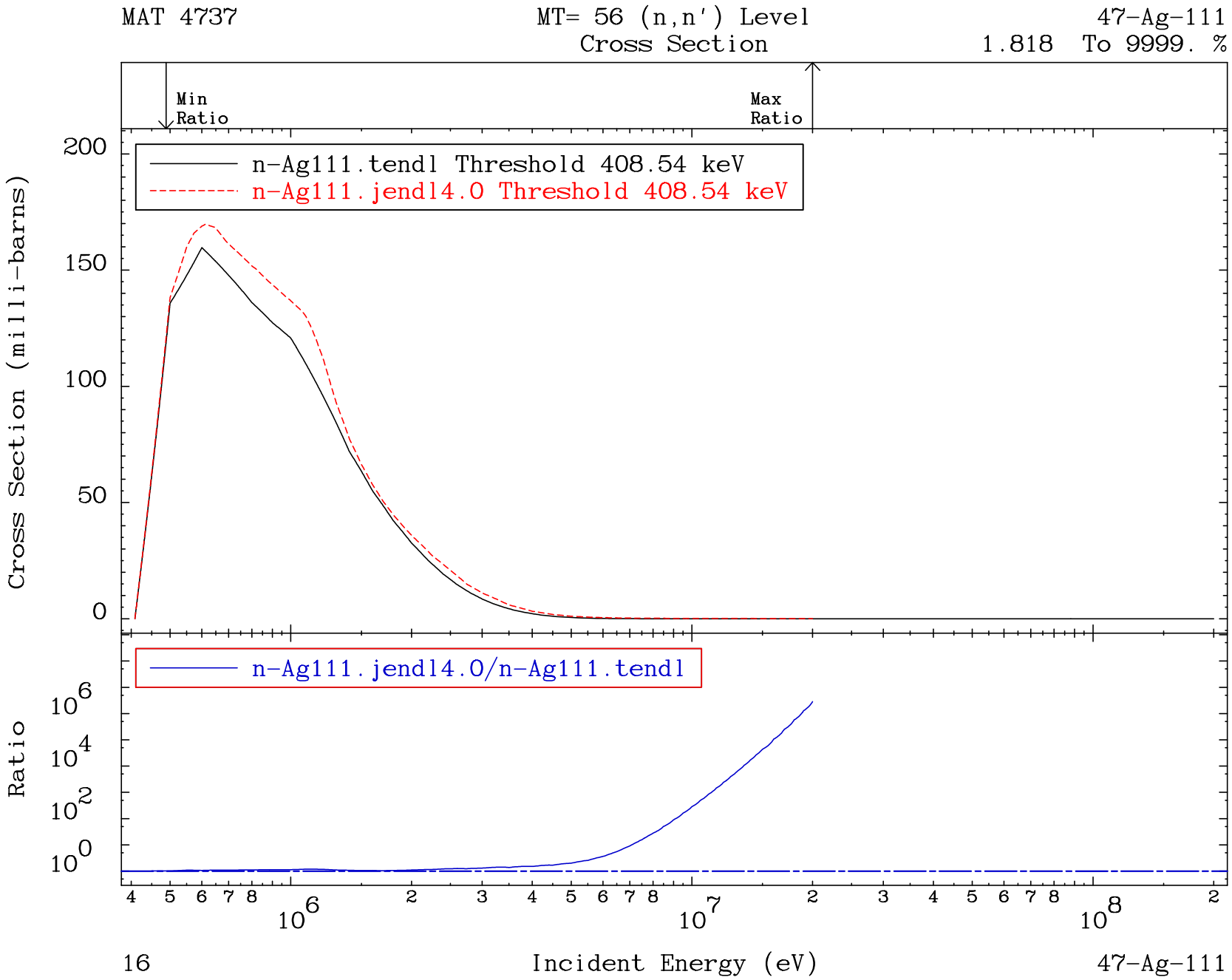

MAT 4737
MT= 51 (n,n') Level
Cross Section
47-Ag-111
-19.33 To 9999. %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jendl4.0 Threshold 60.364 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
47-Ag-111

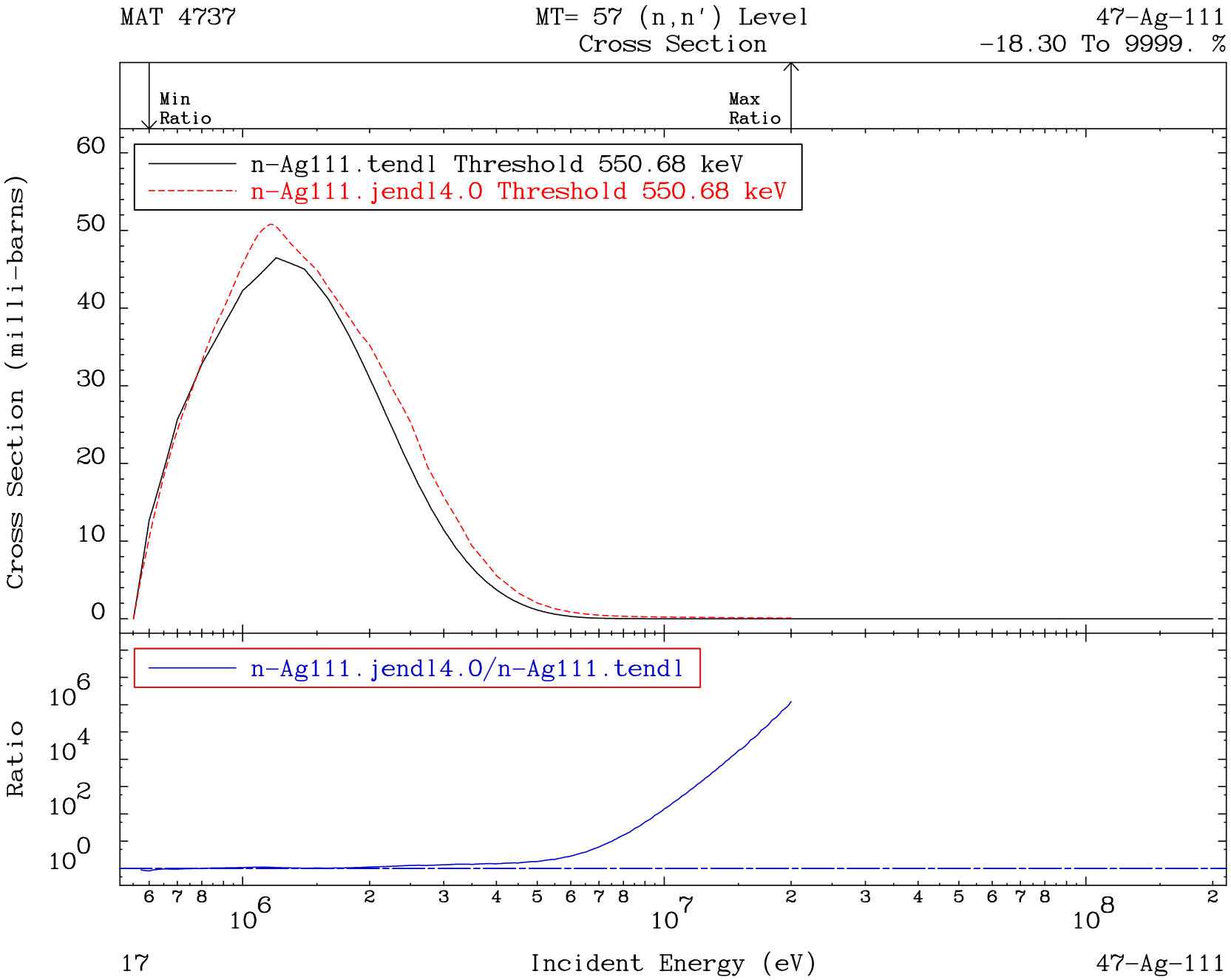

MAT 4737
MT= 52 (n,n') Level
Cross Section
47-Ag-111
-9.394 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 131.47 keV
n-Ag111.jendl4.0 Threshold 131.47 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
47-Ag-111

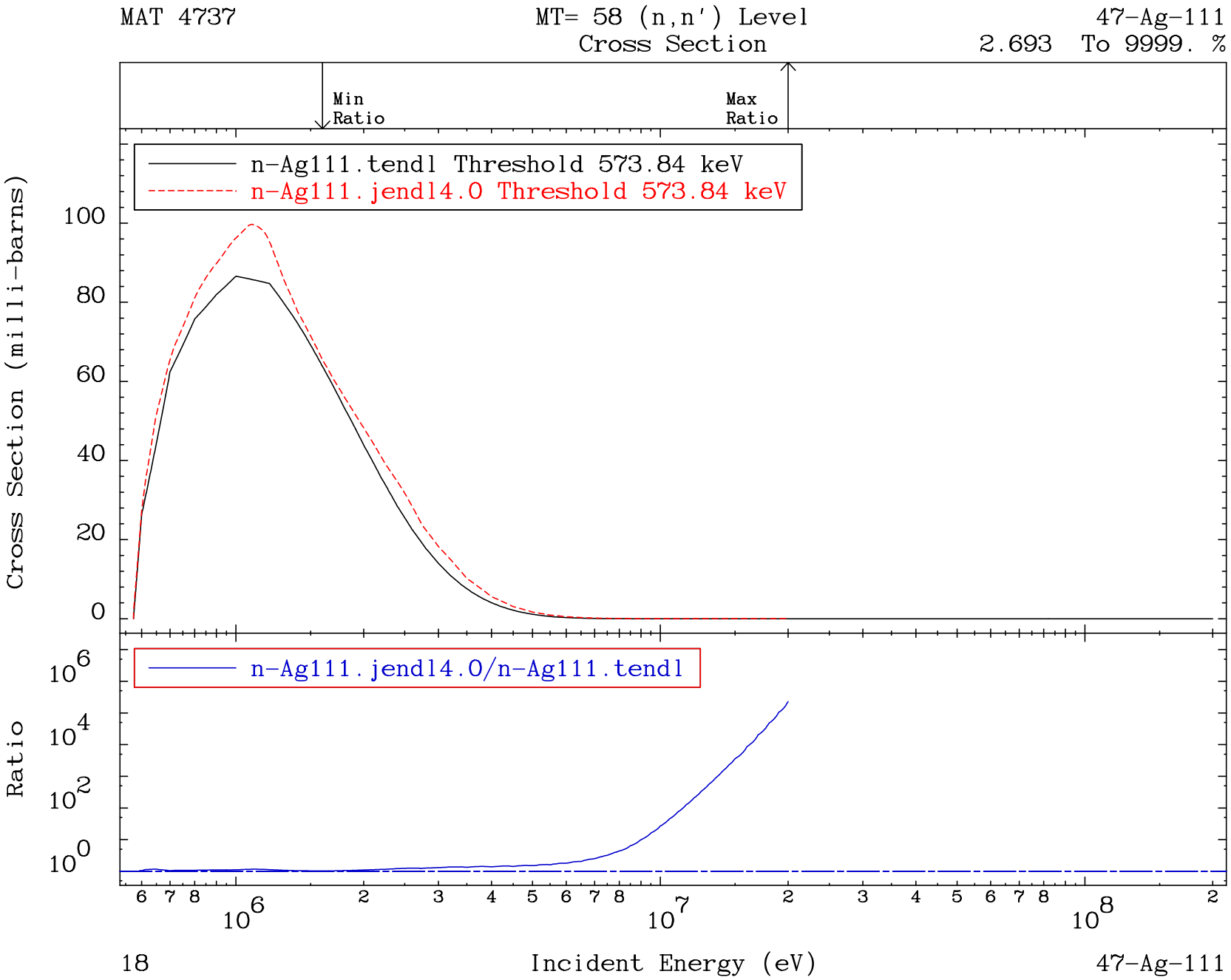

MAT 4737
MT= 53 (n,n') Level
Cross Section
47-Ag-111
-6.773 To 9999. %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 292.35 keV
n-Ag111.jendl4.0 Threshold 292.35 keV
Cross Section (milli-barns)
800
600
400
200
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
47-Ag-111

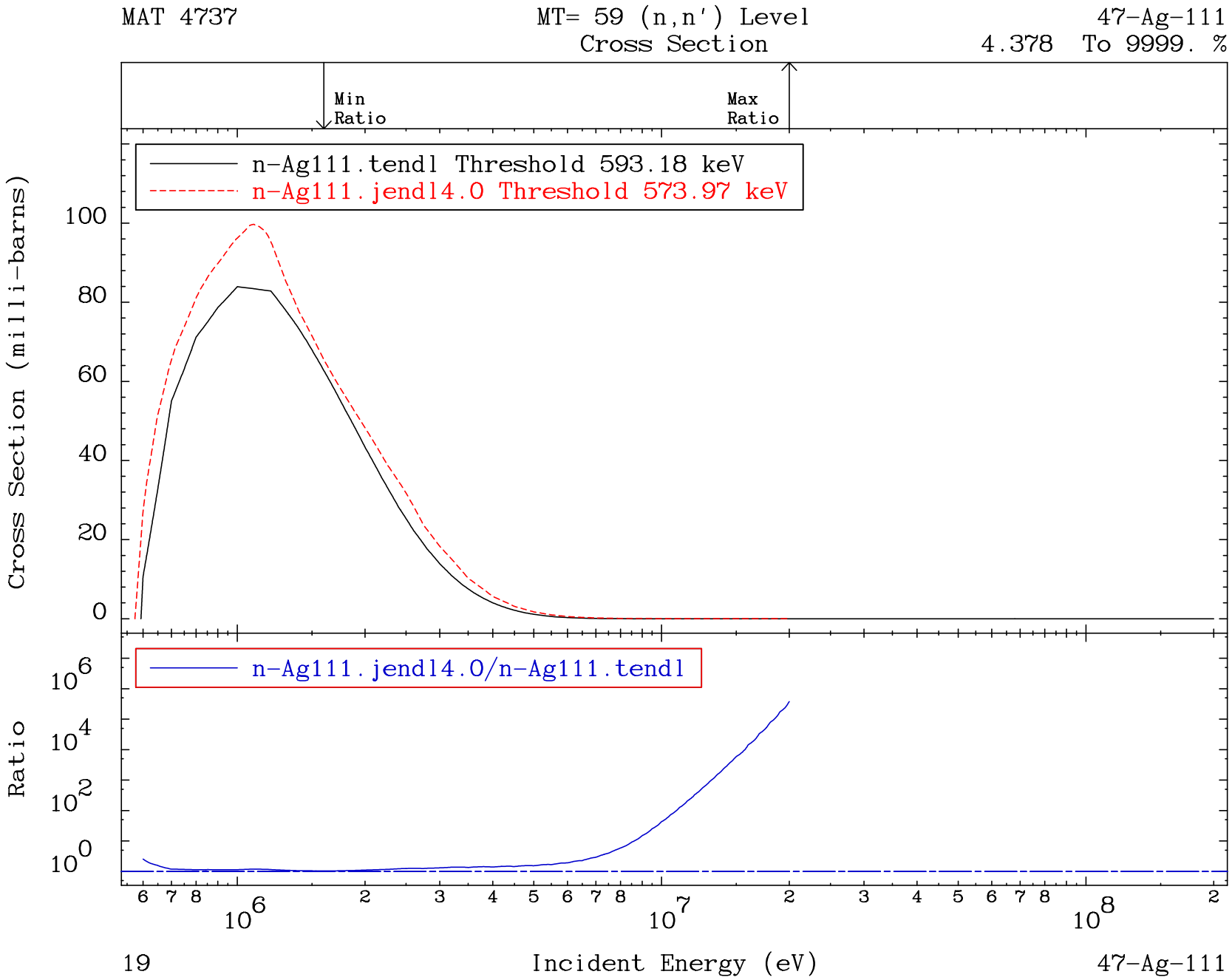

MAT 4737
MT= 54 (n,n') Level
Cross Section
47-Ag-111
4.097 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 380.14 keV
n-Ag111.jendl4.0 Threshold 380.14 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
47-Ag-111

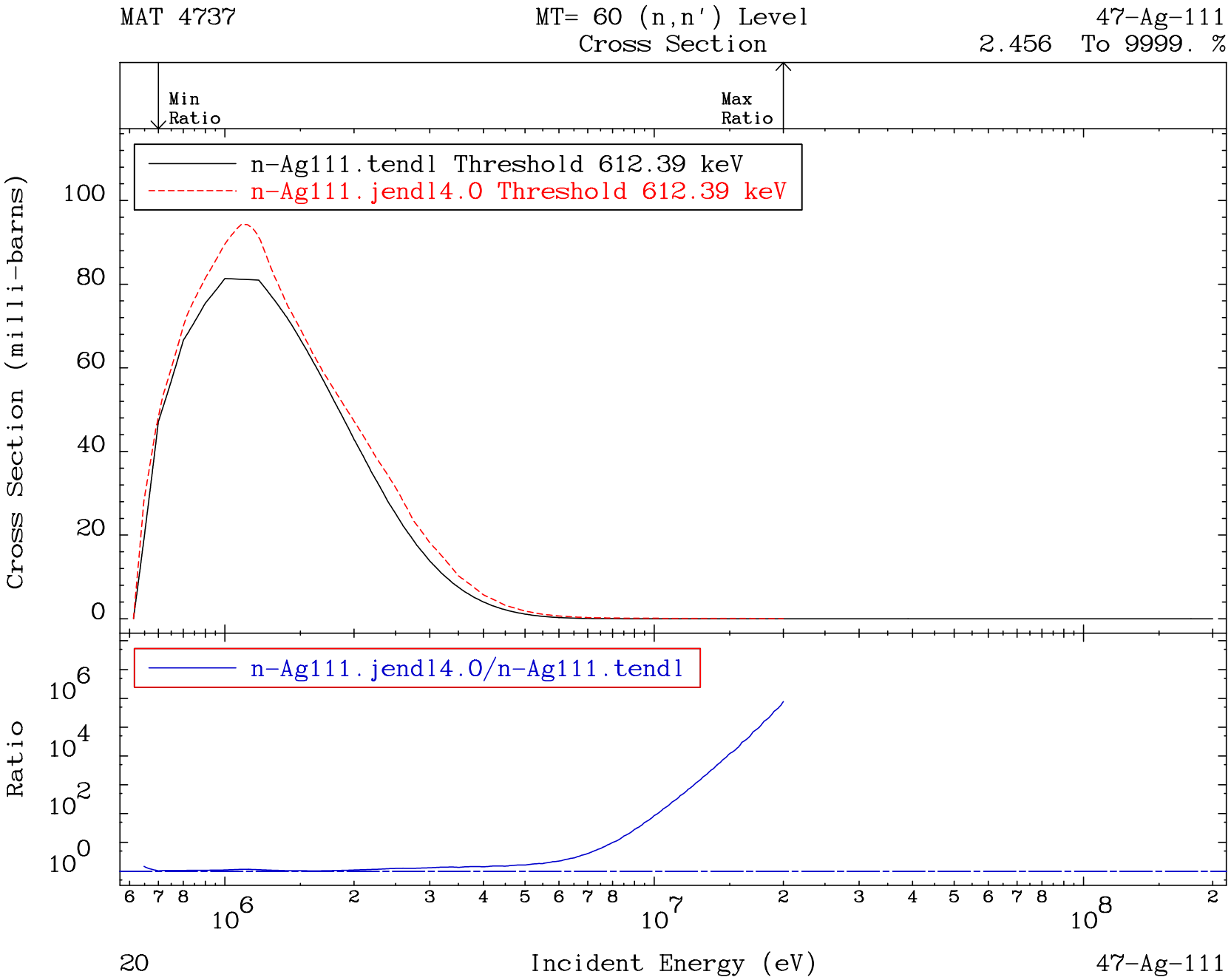

MAT 4737
MT= 55 (n,n') Level
Cross Section
47-Ag-111
2.018 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 394.84 keV
n-Ag111.jendl4.0 Threshold 394.84 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
47-Ag-111

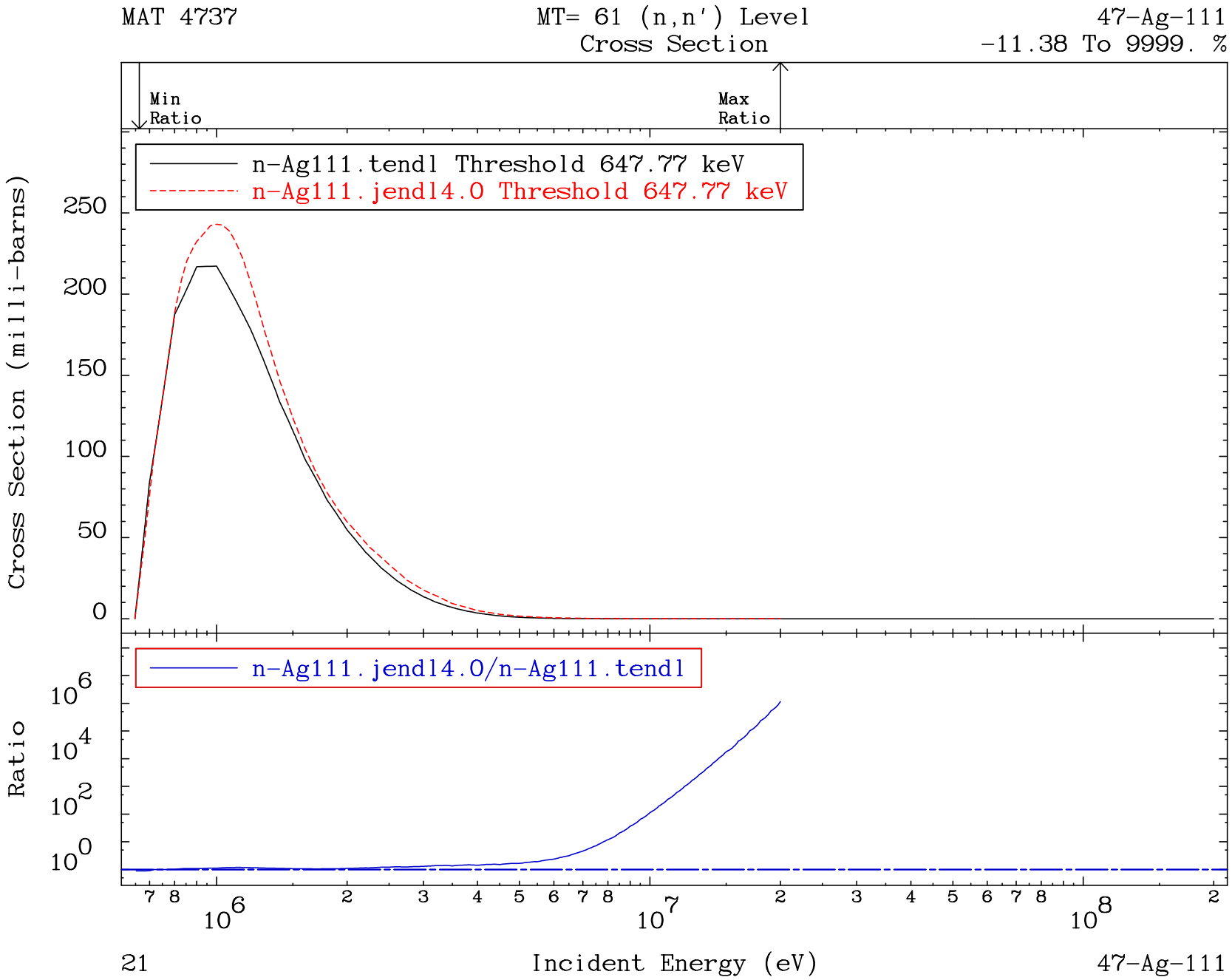

MAT 4737
MT= 56 (n,n') Level
Cross Section
47-Ag-111
1.818 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 408.54 keV
n-Ag111.jendl4.0 Threshold 408.54 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
47-Ag-111

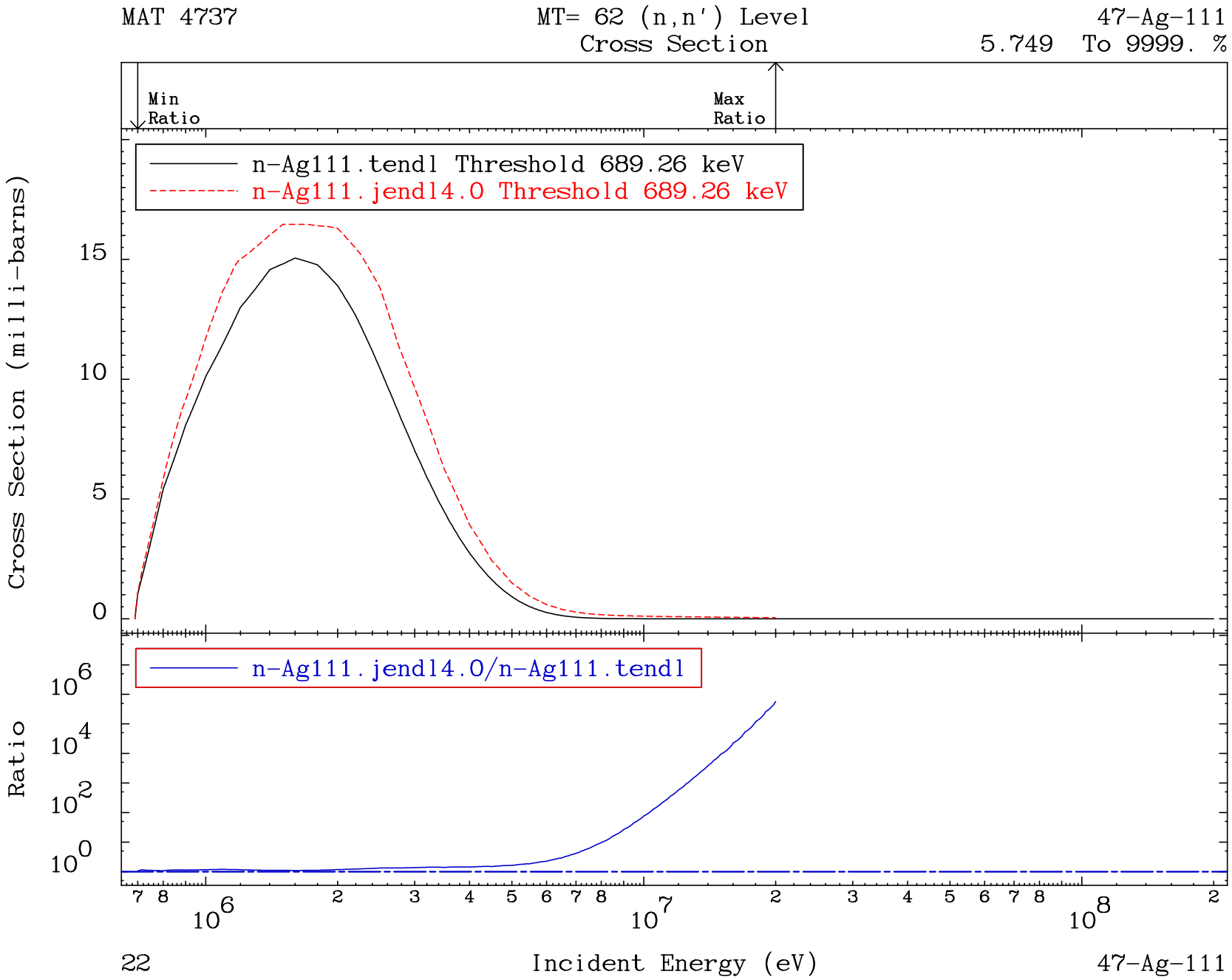

MAT 4737
MT= 57 (n,n') Level
Cross Section
47-Ag-111
-18.30 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 550.68 keV
n-Ag111.jendl4.0 Threshold 550.68 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
47-Ag-111

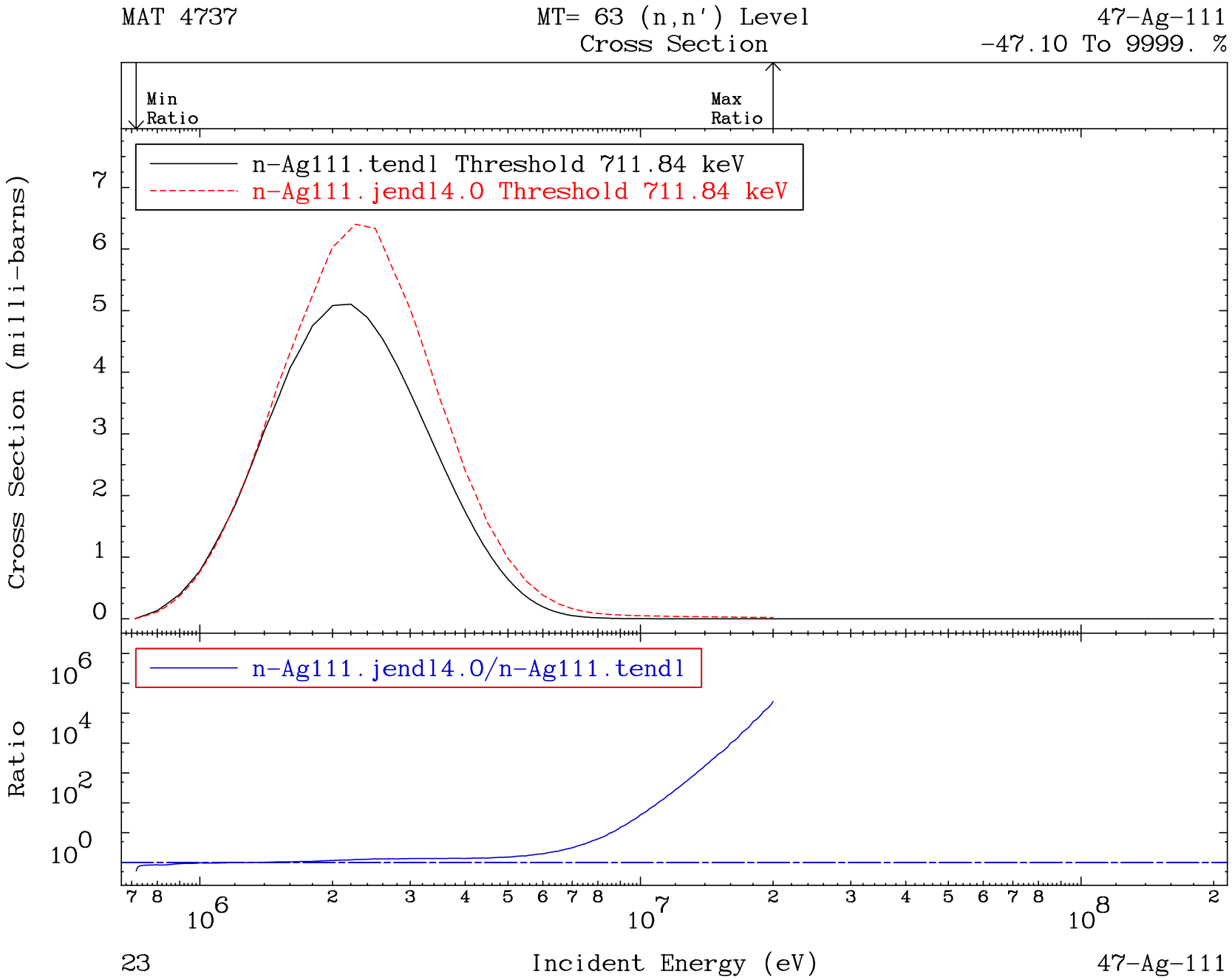

MAT 4737
MT= 58 (n,n') Level
Cross Section
47-Ag-111
2.693 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 573.84 keV
n-Ag111.jendl4.0 Threshold 573.84 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
47-Ag-111

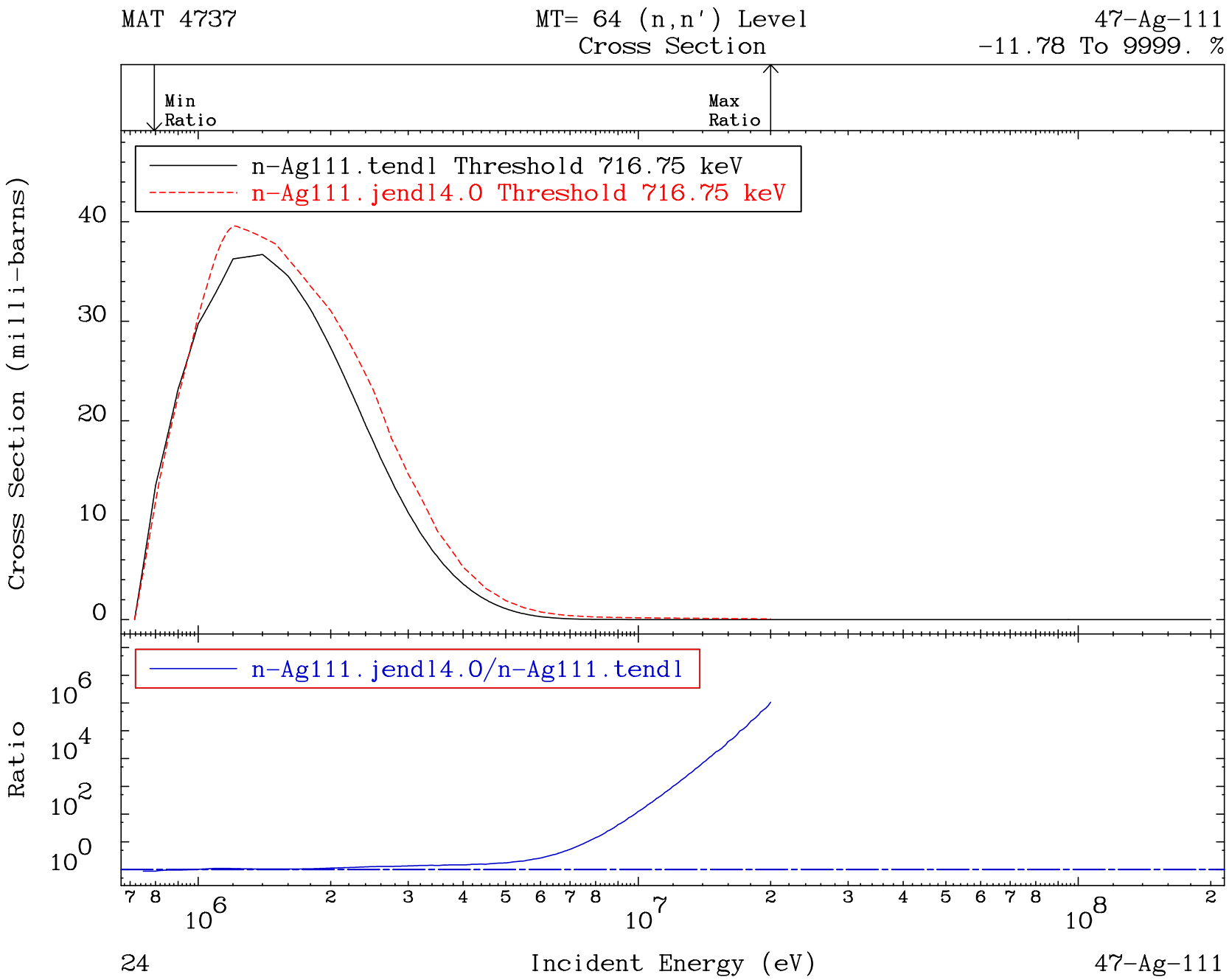

MAT 4737
MT= 59 (n,n') Level
Cross Section
47-Ag-111
4.378 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 593.18 keV
n-Ag111.jendl4.0 Threshold 573.97 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
47-Ag-111

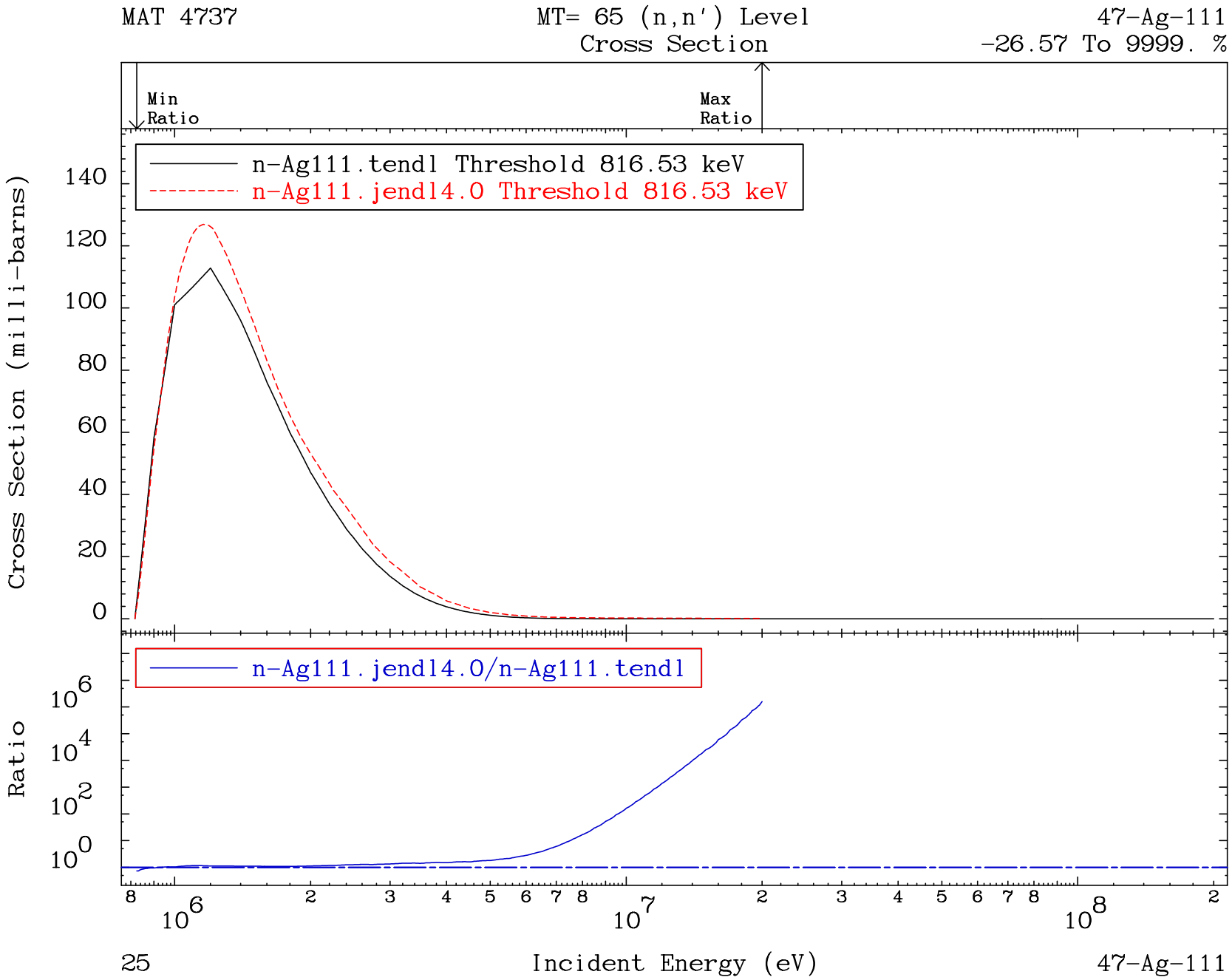

MAT 4737
MT= 60 (n,n') Level
Cross Section
47-Ag-111
2.456 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 612.39 keV
n-Ag111.jendl4.0 Threshold 612.39 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
47-Ag-111

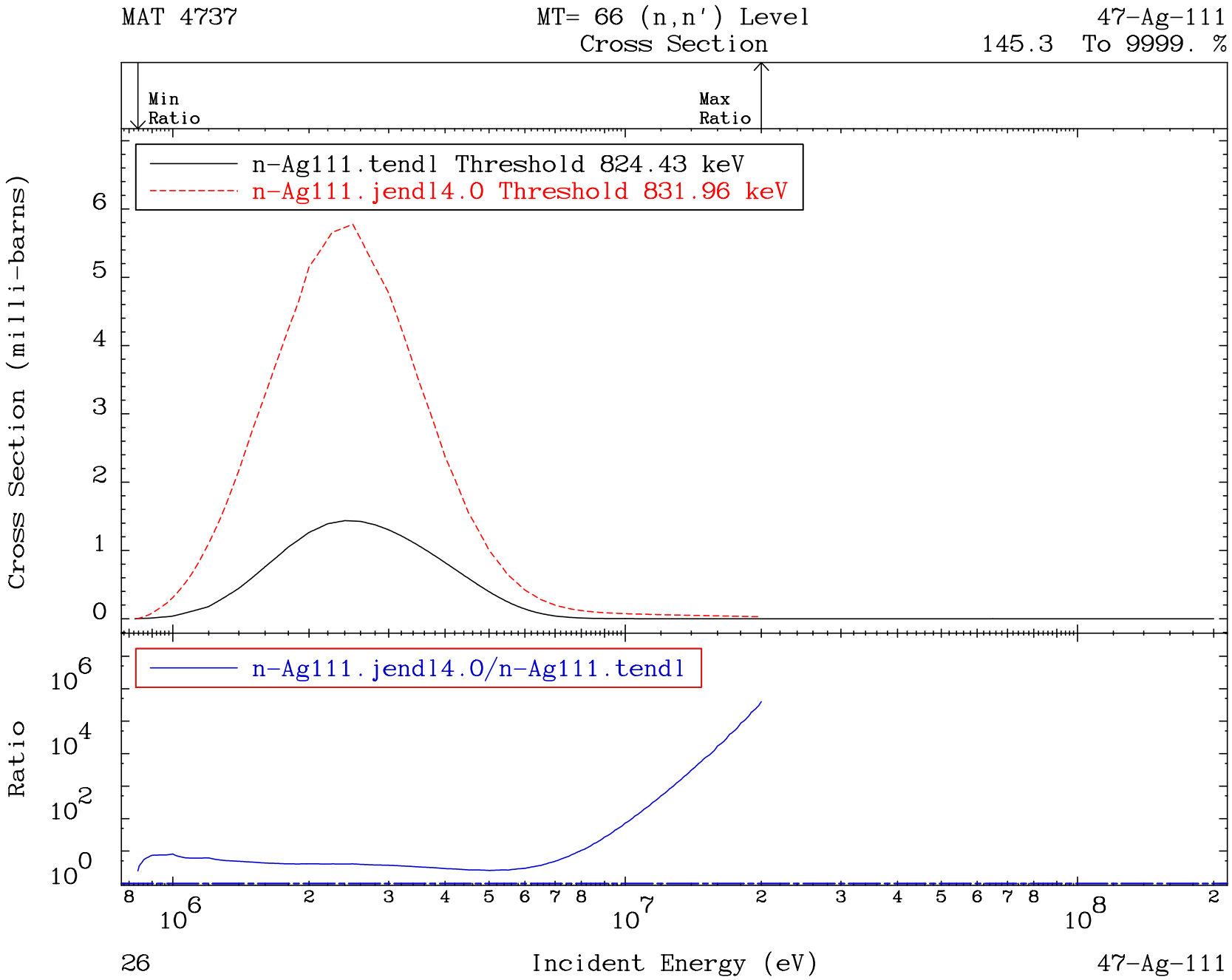

MAT 4737
MT= 61 (n,n') Level
Cross Section
47-Ag-111
-11.38 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 647.77 keV
n-Ag111.jendl4.0 Threshold 647.77 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
47-Ag-111

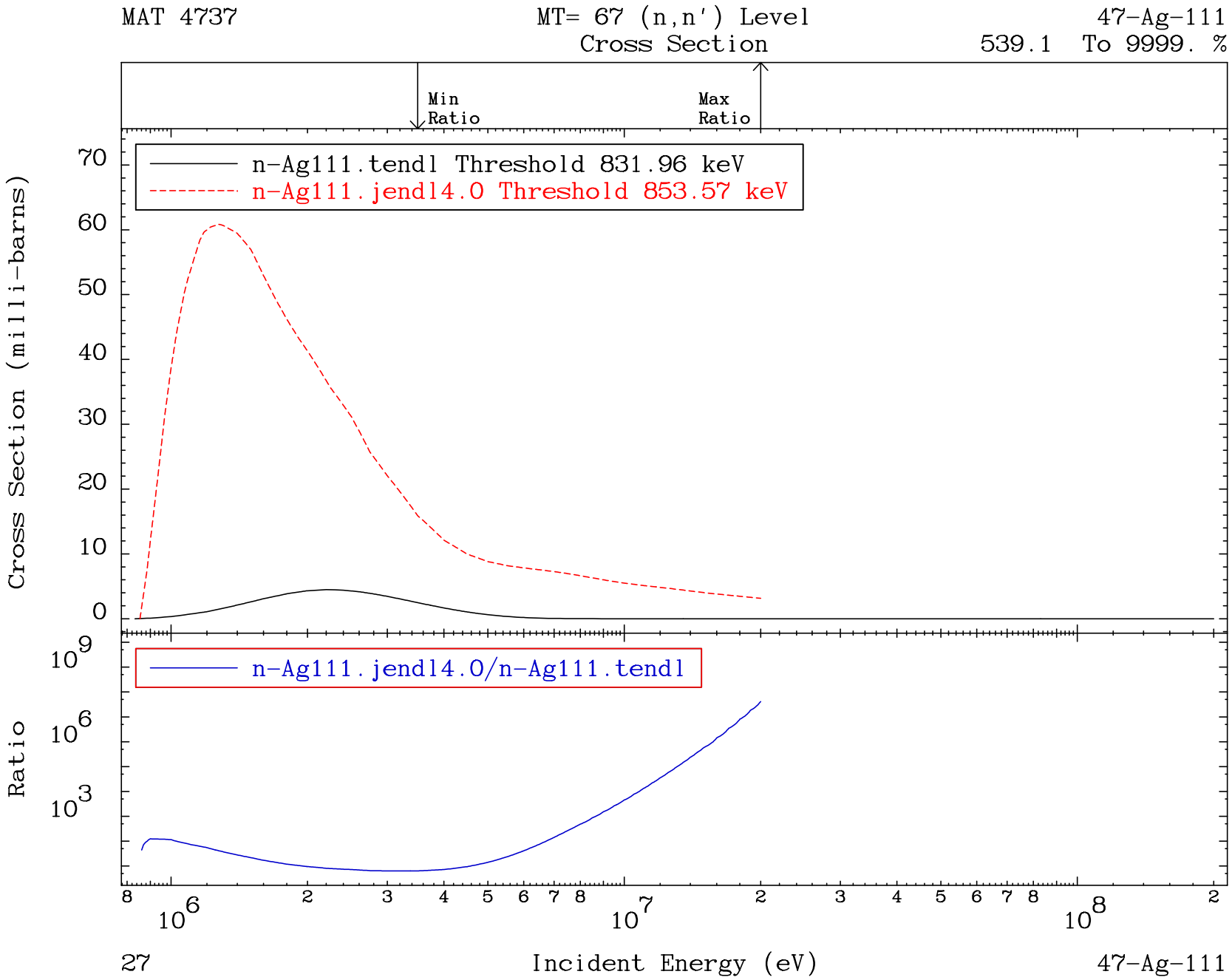

MAT 4737
MT= 62 (n,n') Level
Cross Section
47-Ag-111
5.749 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 689.26 keV
n-Ag111.jendl4.0 Threshold 689.26 keV
Cross Section (milli-barns)
15
10
5
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
47-Ag-111

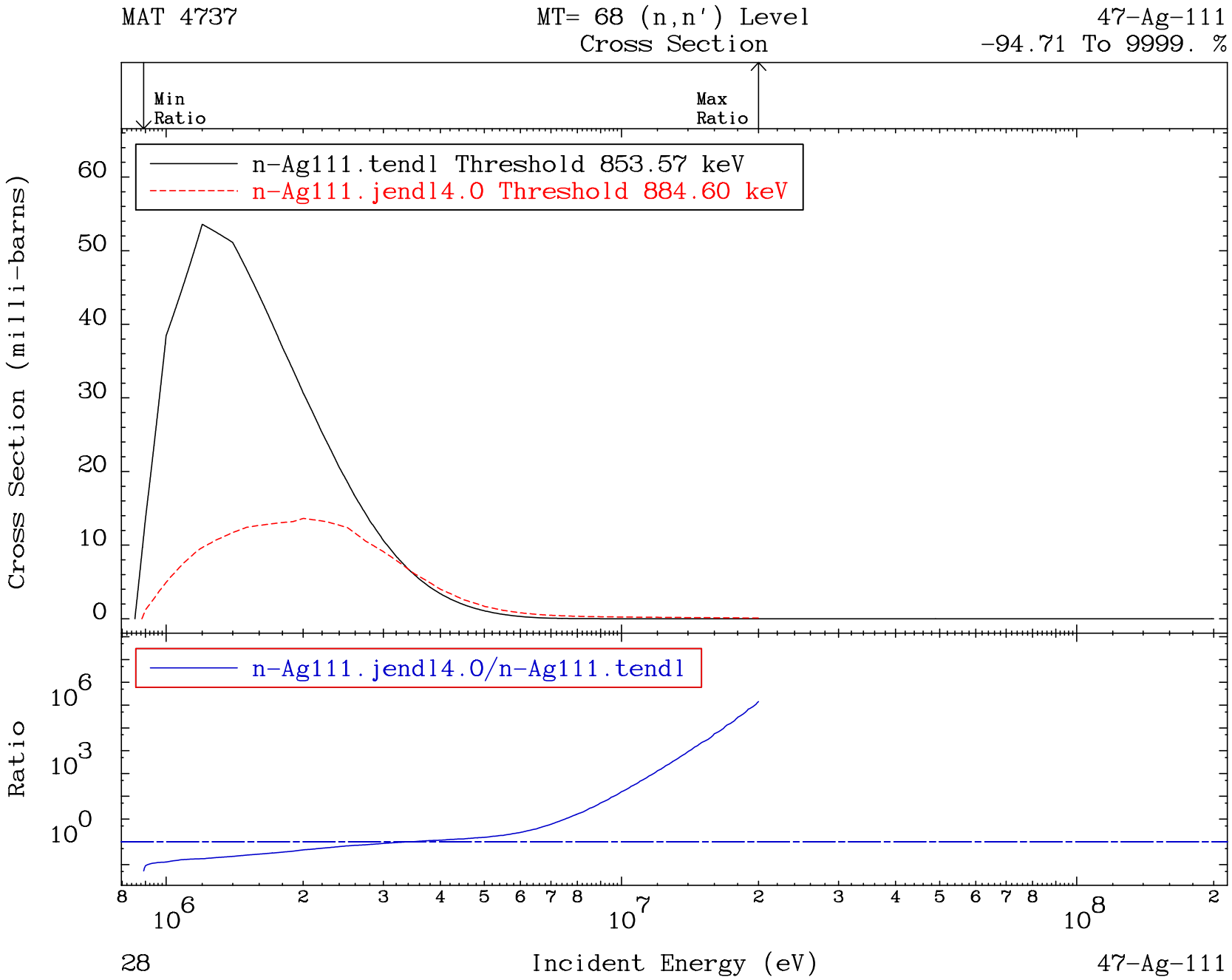

MAT 4737
MT= 63 (n,n') Level
Cross Section
47-Ag-111
-47.10 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 711.84 keV
n-Ag111.jendl4.0 Threshold 711.84 keV
Cross Section (milli-barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
23
47-Ag-111

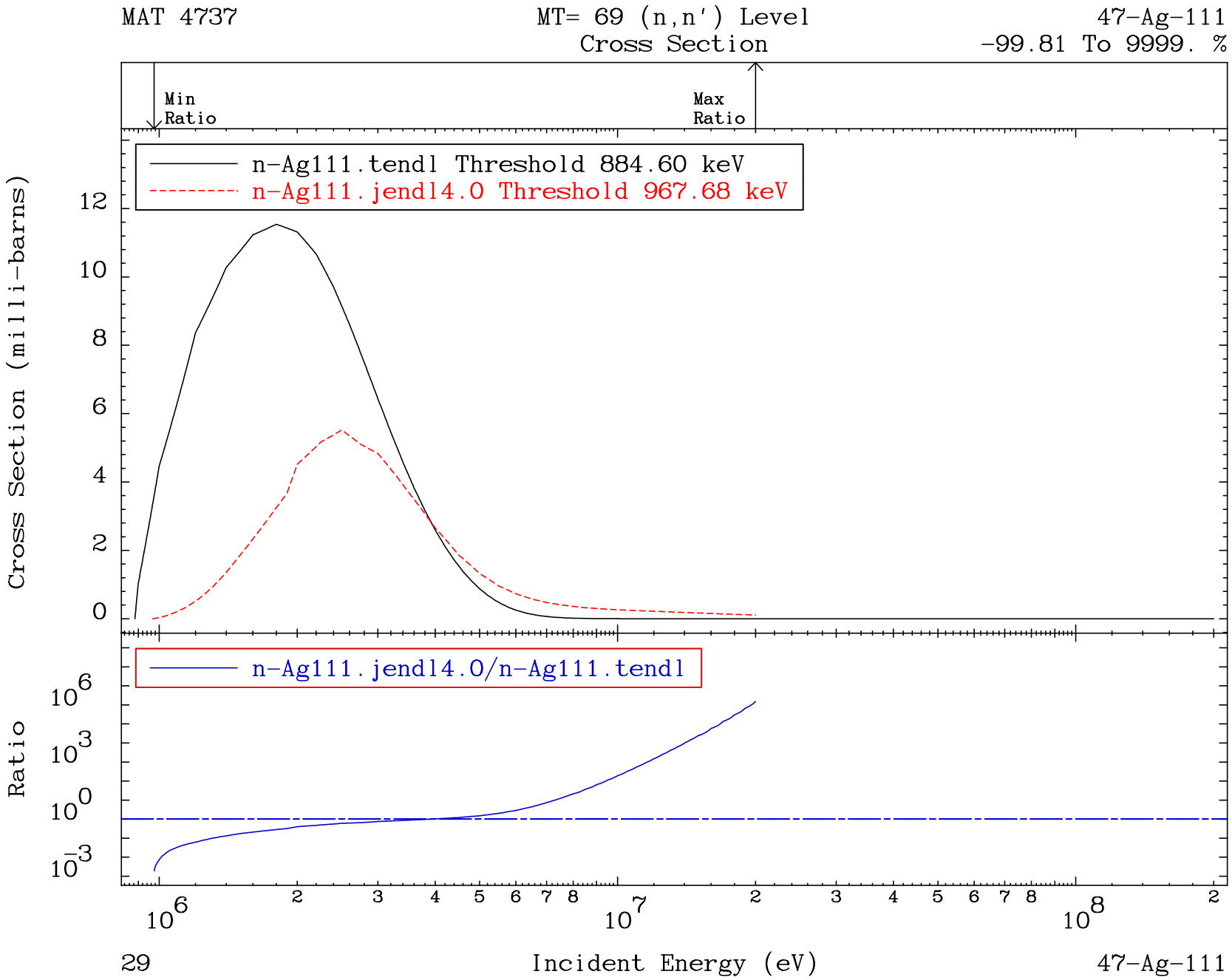

MAT 4737
MT= 64 (n,n') Level
Cross Section
47-Ag-111
-11.78 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 716.75 keV
n-Ag111.jendl4.0 Threshold 716.75 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
47-Ag-111

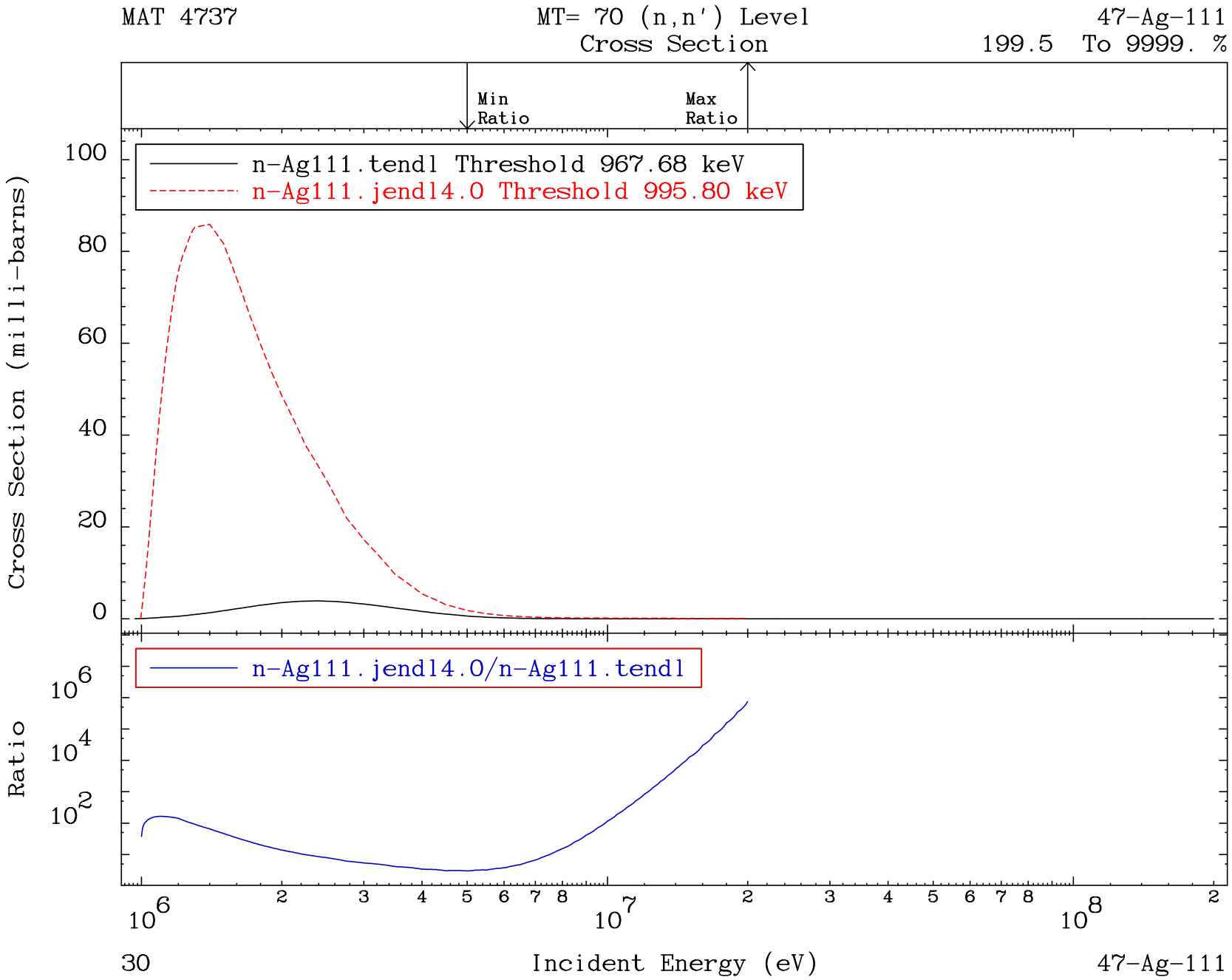

MAT 4737
MT= 65 (n,n') Level
Cross Section
47-Ag-111
-26.57 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 816.53 keV
n-Ag111.jendl4.0 Threshold 816.53 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
47-Ag-111

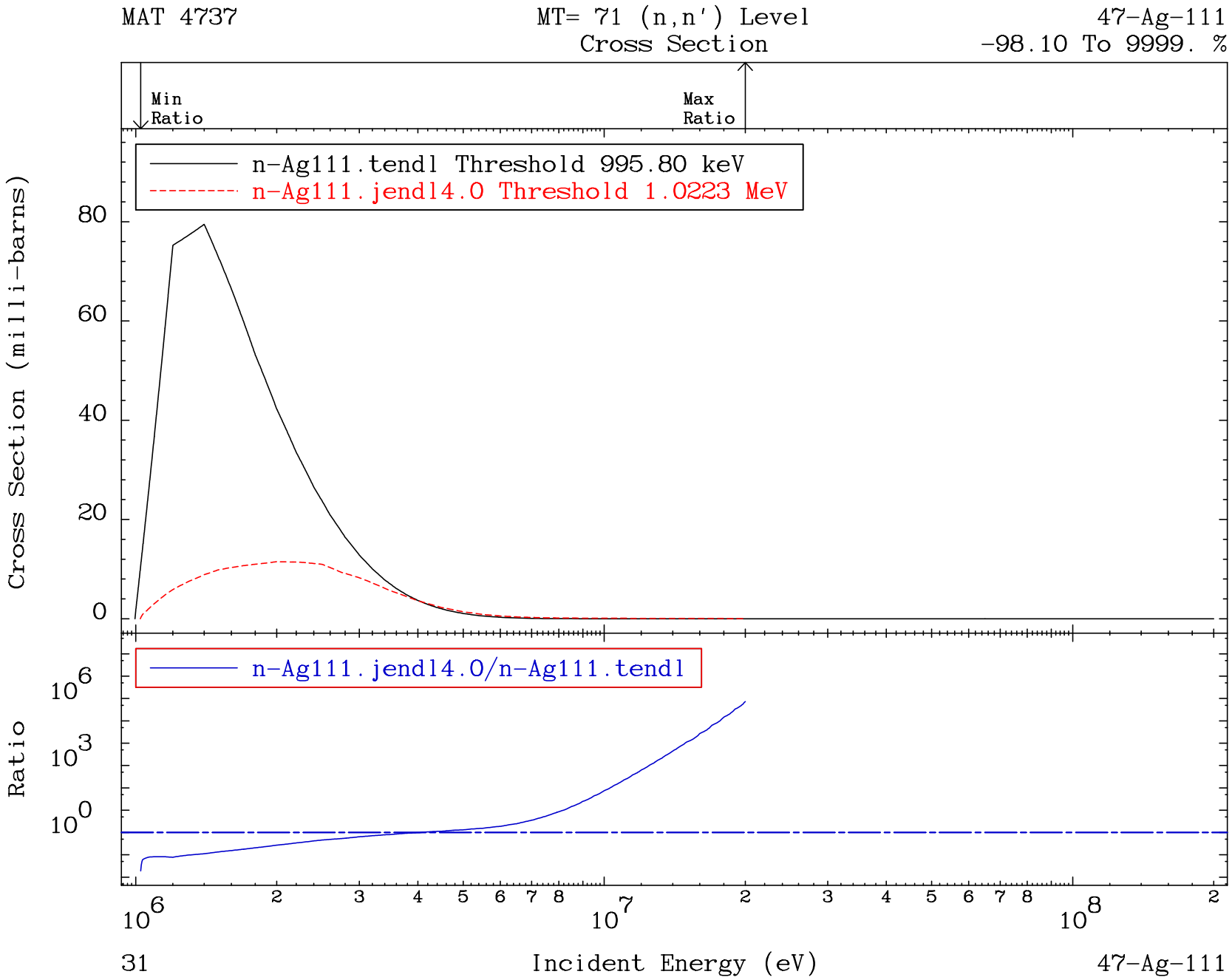

MAT 4737
MT= 66 (n,n') Level
Cross Section
47-Ag-111
145.3 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 824.43 keV
n-Ag111.jendl4.0 Threshold 831.96 keV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^0
10^2
10^4
10^6
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
47-Ag-111

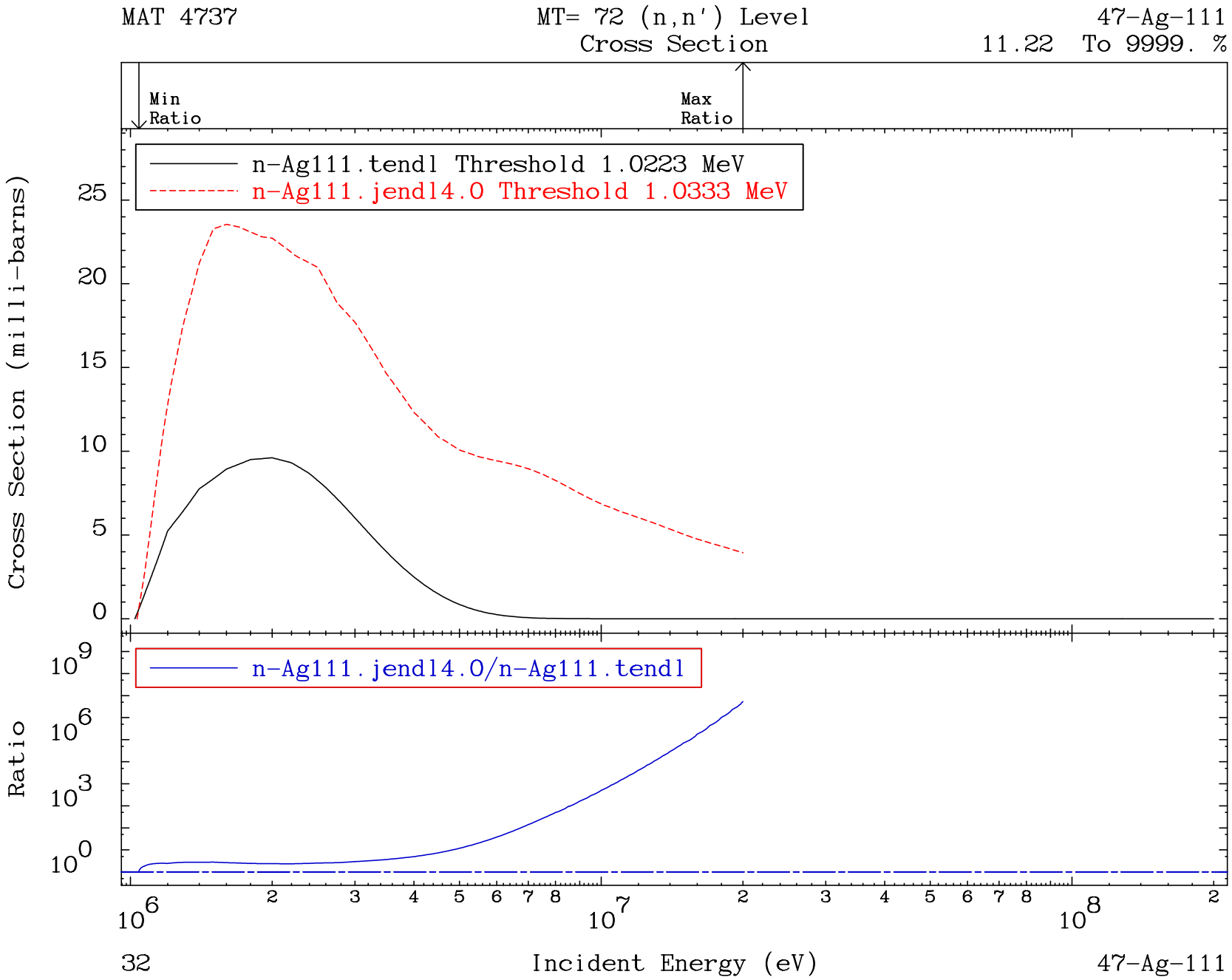

MAT 4737
MT= 67 (n,n') Level
Cross Section
47-Ag-111
539.1 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 831.96 keV
n-Ag111.jendl4.0 Threshold 853.57 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
47-Ag-111

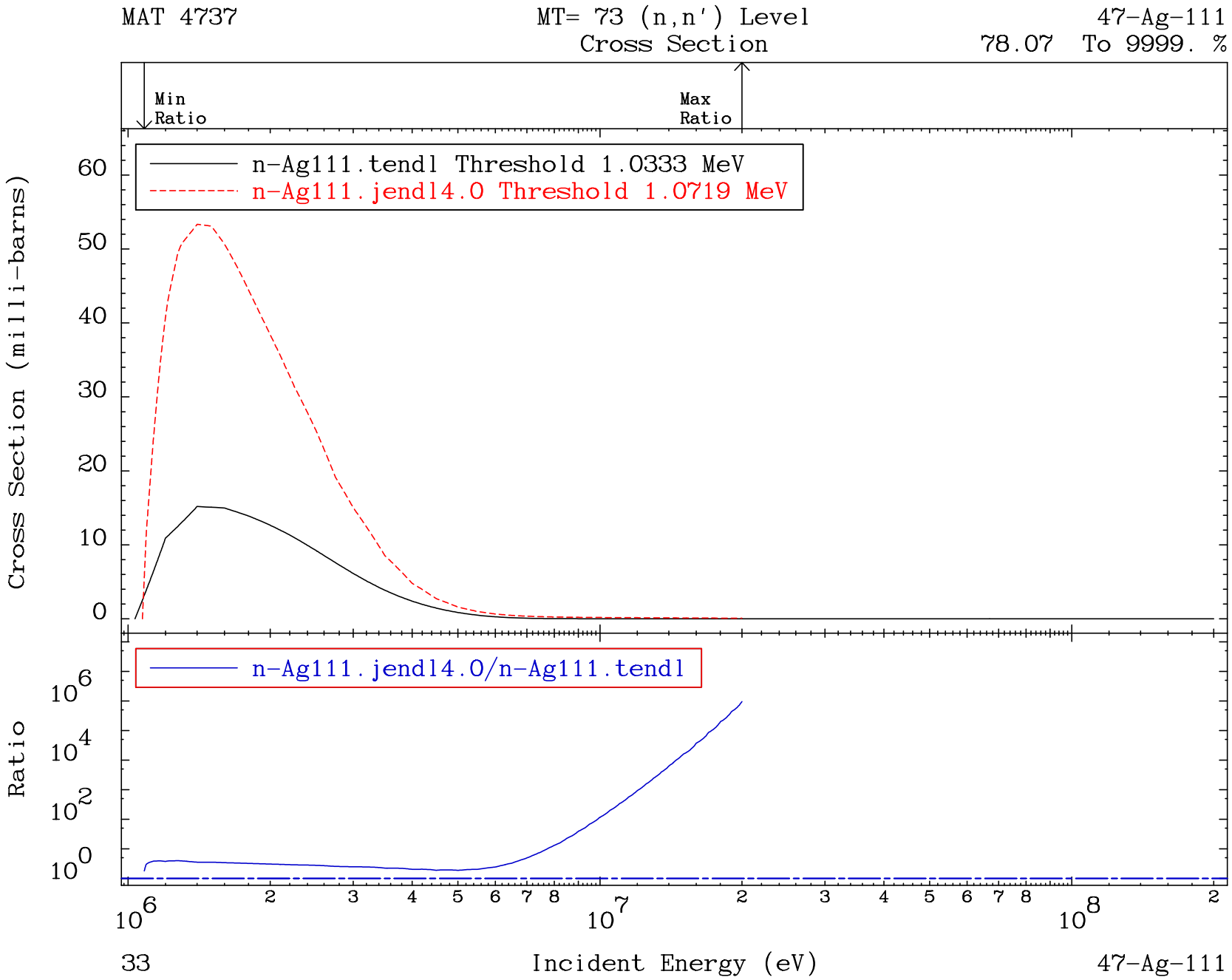

MAT 4737
MT= 68 (n,n') Level
Cross Section
47-Ag-111
-94.71 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 853.57 keV
n-Ag111.jendl4.0 Threshold 884.60 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
47-Ag-111

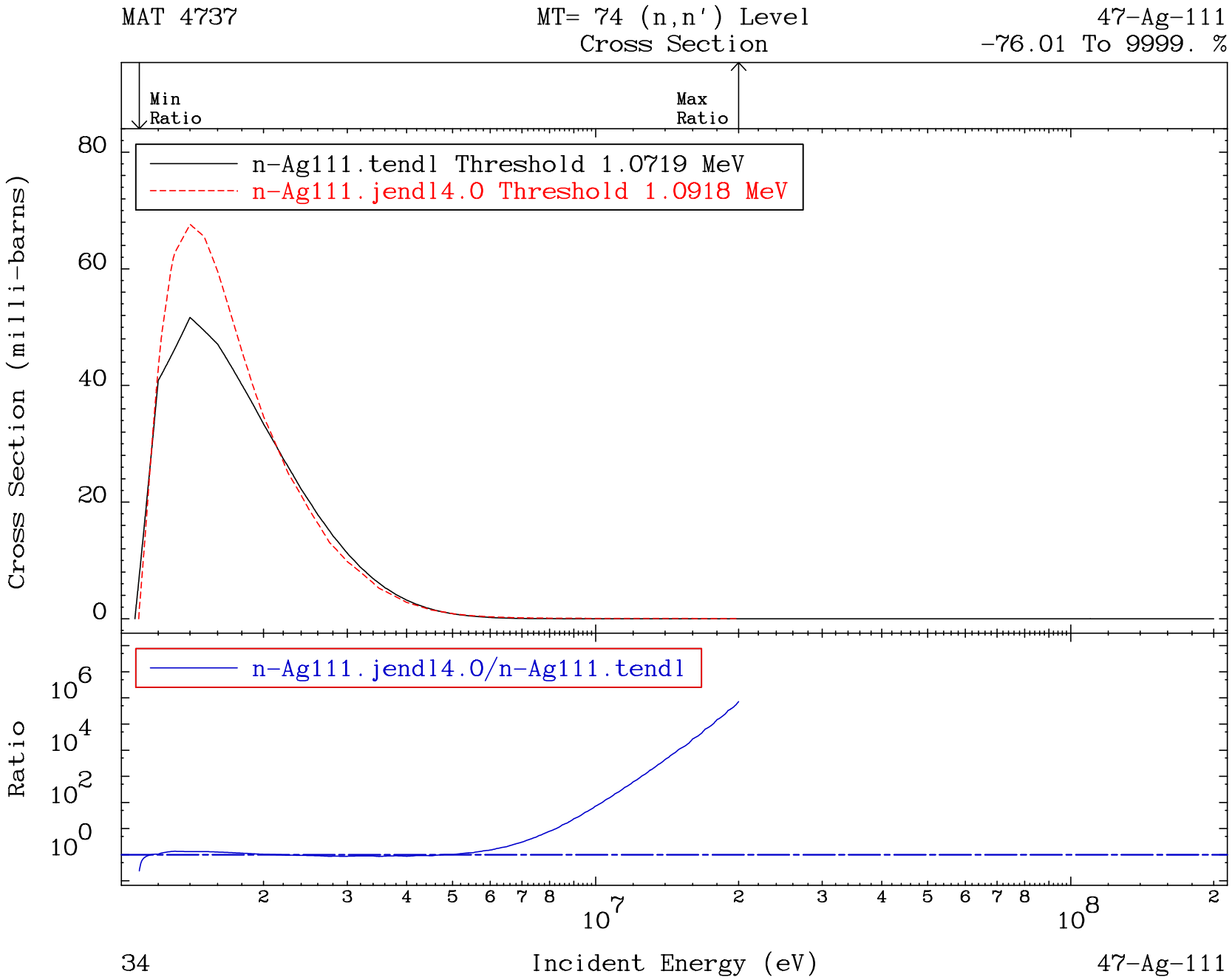

MAT 4737
MT= 69 (n,n') Level
Cross Section
47-Ag-111
-99.81 To 9999. %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 884.60 keV
n-Ag111.jendl4.0 Threshold 967.68 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^3
10^0
10^-3
10^6
10^7
10^8
29
Incident Energy (eV)
47-Ag-111

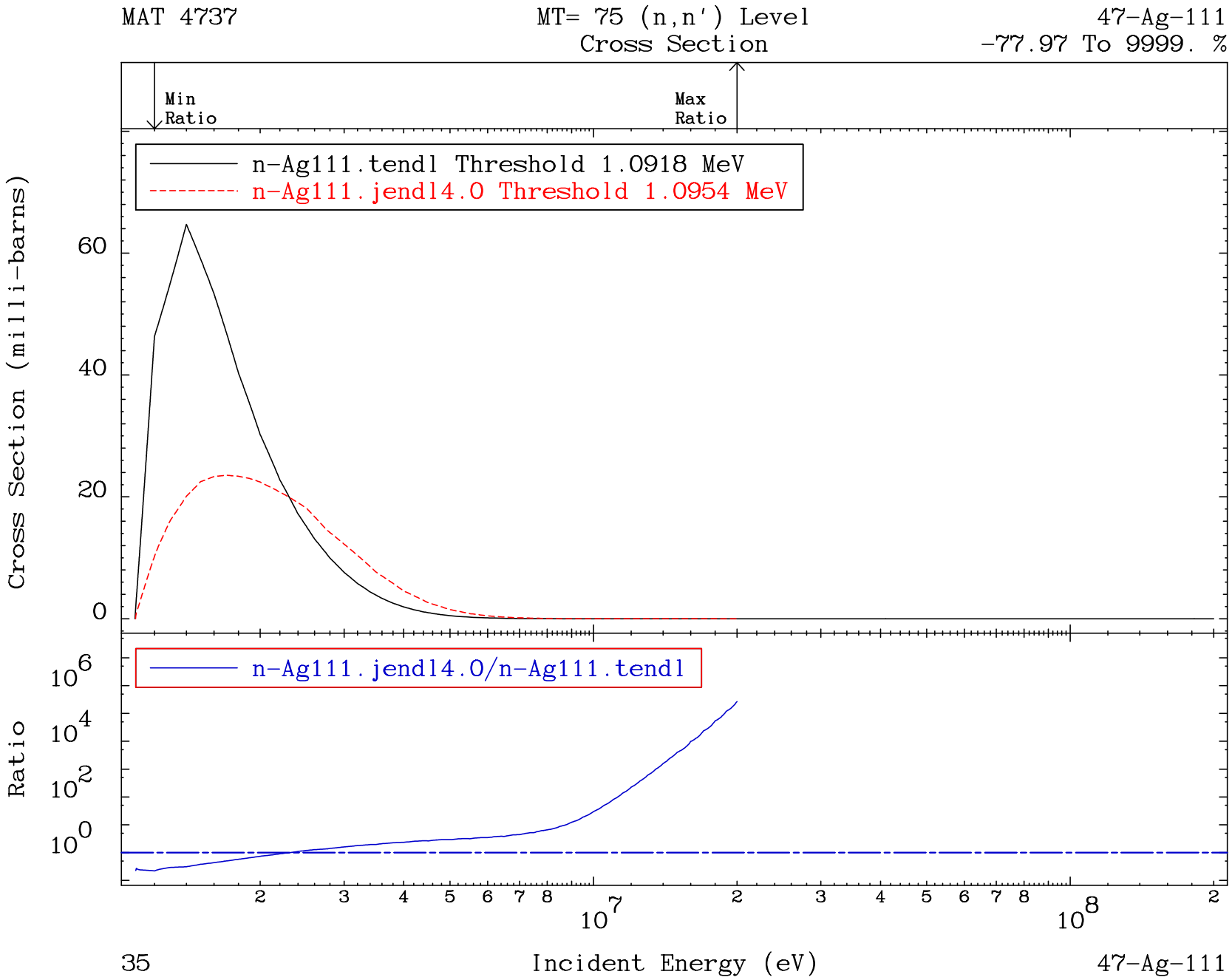

MAT 4737
MT= 70 (n,n') Level
Cross Section
47-Ag-111
199.5 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 967.68 keV
n-Ag111.jendl4.0 Threshold 995.80 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
47-Ag-111

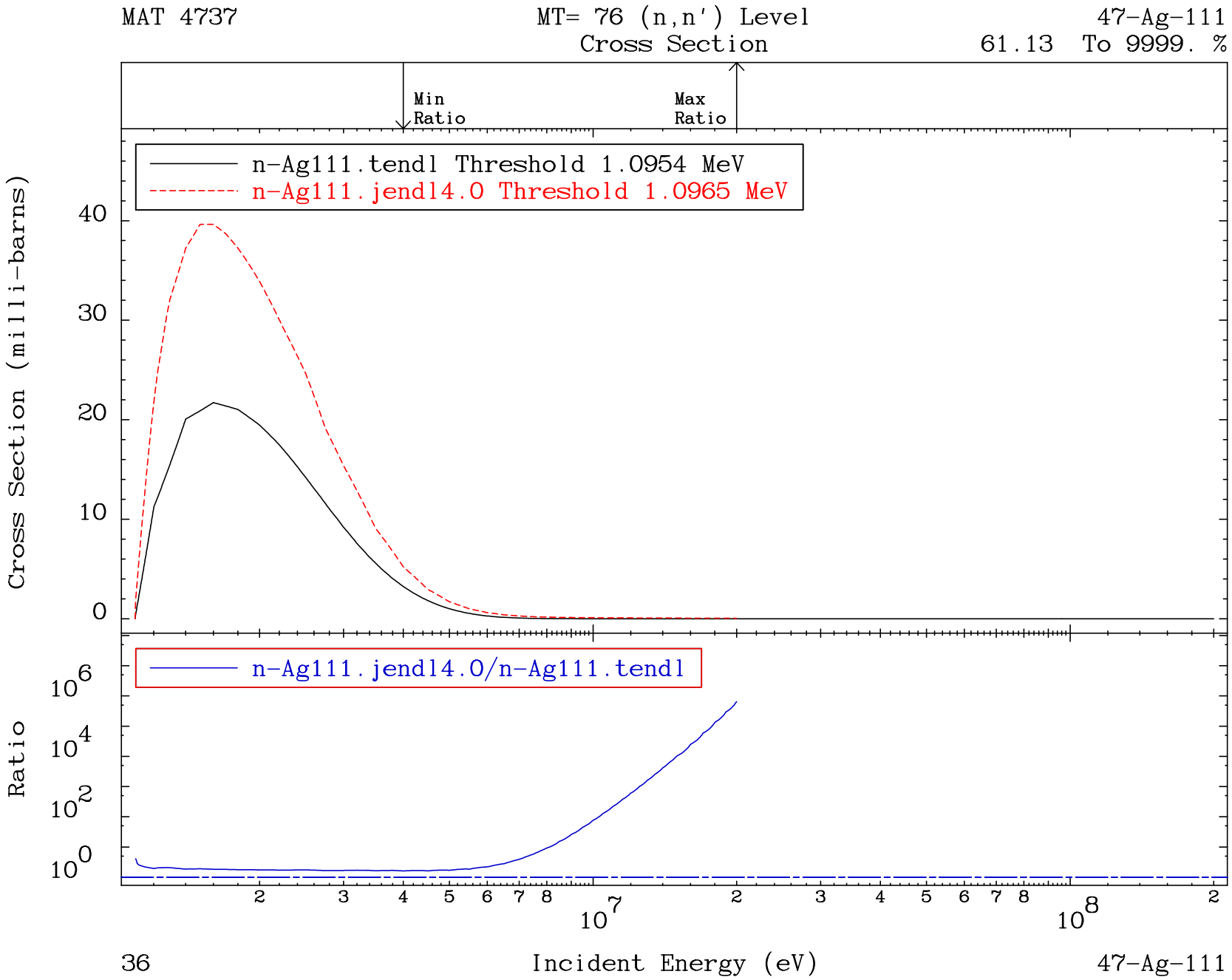

MAT 4737
MT= 71 (n,n') Level
Cross Section
47-Ag-111
-98.10 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 995.80 keV
n-Ag111.jendl4.0 Threshold 1.0223 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^3
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
47-Ag-111

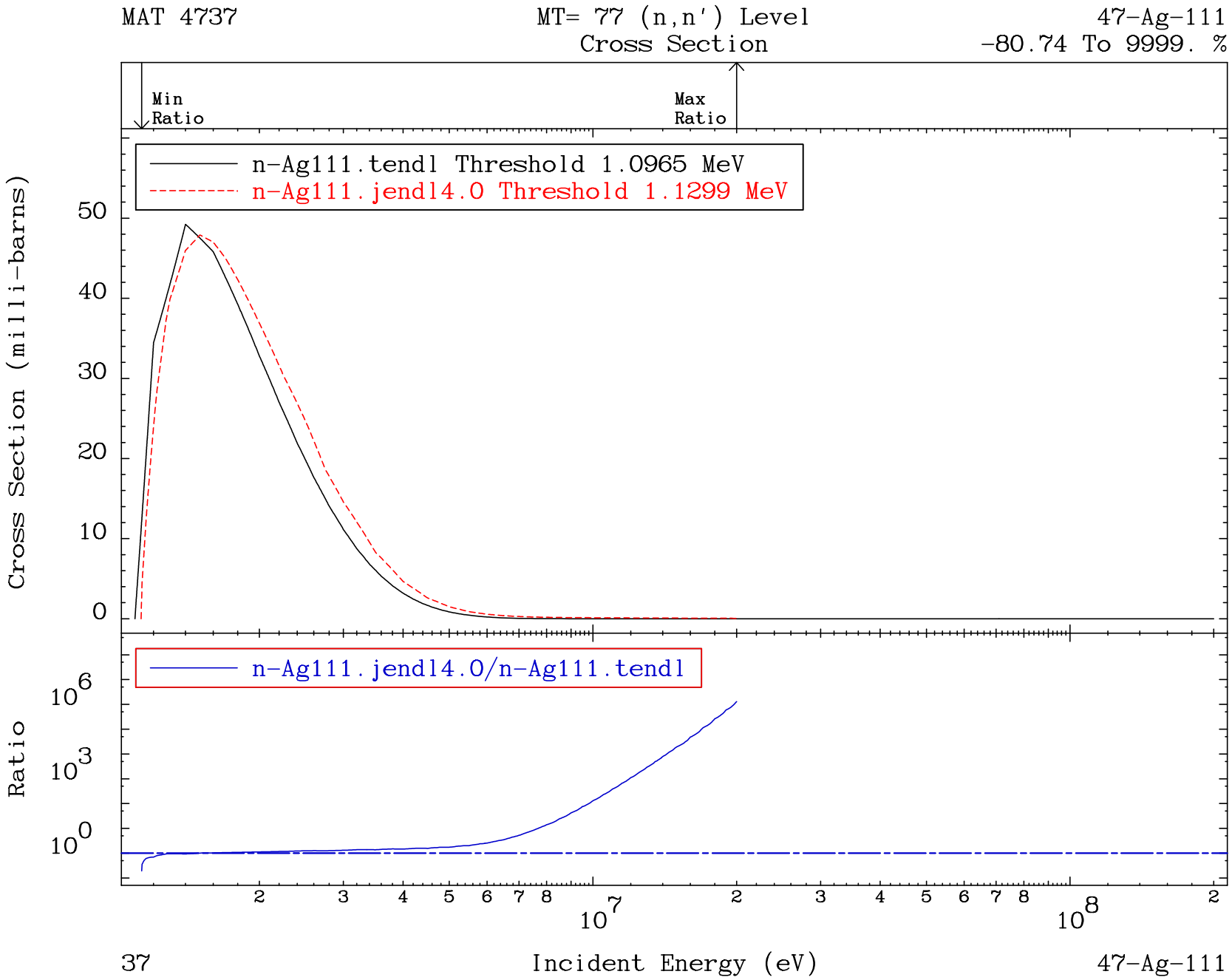

MAT 4737
MT= 72 (n,n') Level
Cross Section
47-Ag-111
11.22 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0223 MeV
n-Ag111.jendl4.0 Threshold 1.0333 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
47-Ag-111

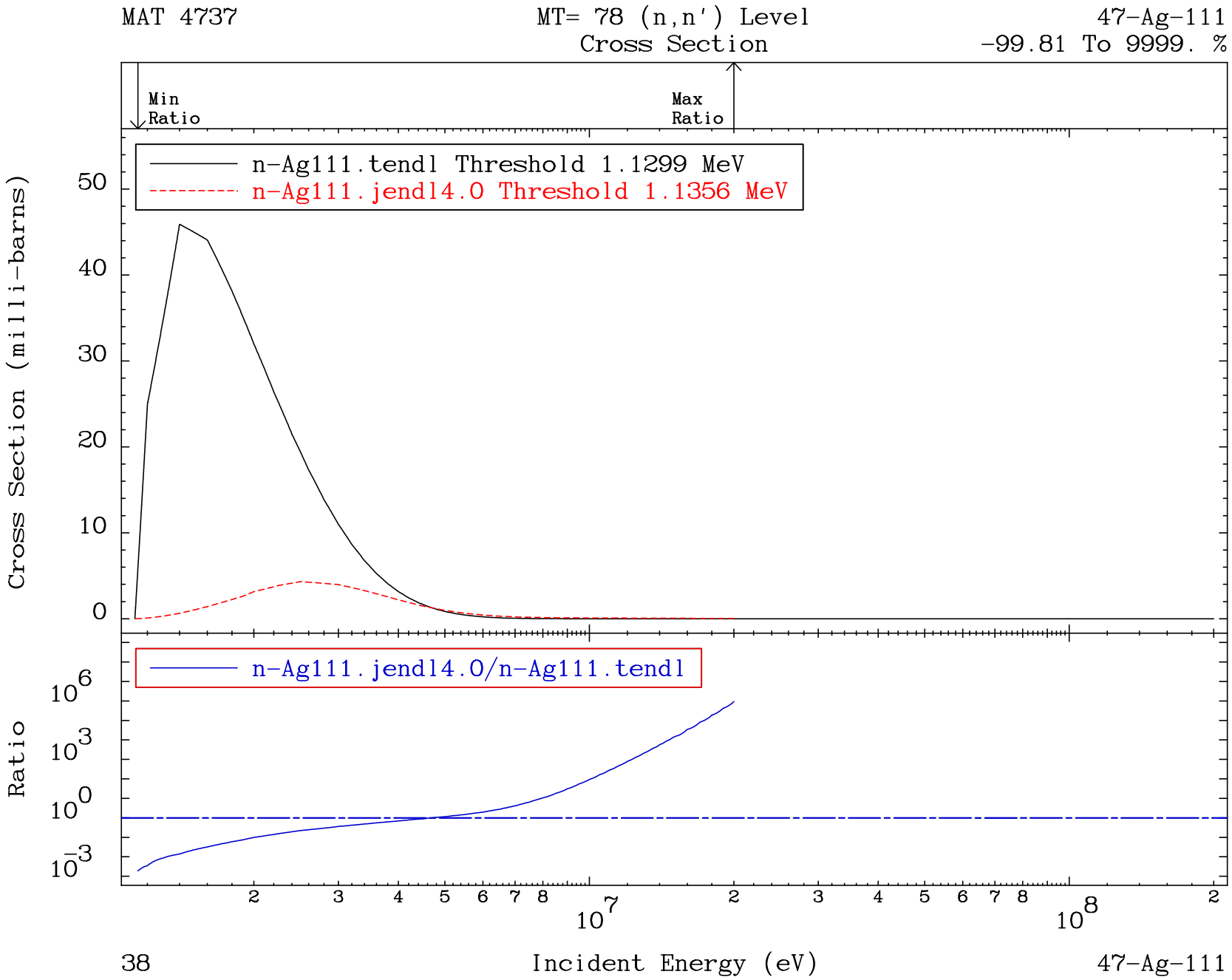

MAT 4737
MT= 73 (n,n') Level
Cross Section
47-Ag-111
78.07 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0333 MeV
n-Ag111.jendl4.0 Threshold 1.0719 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
47-Ag-111

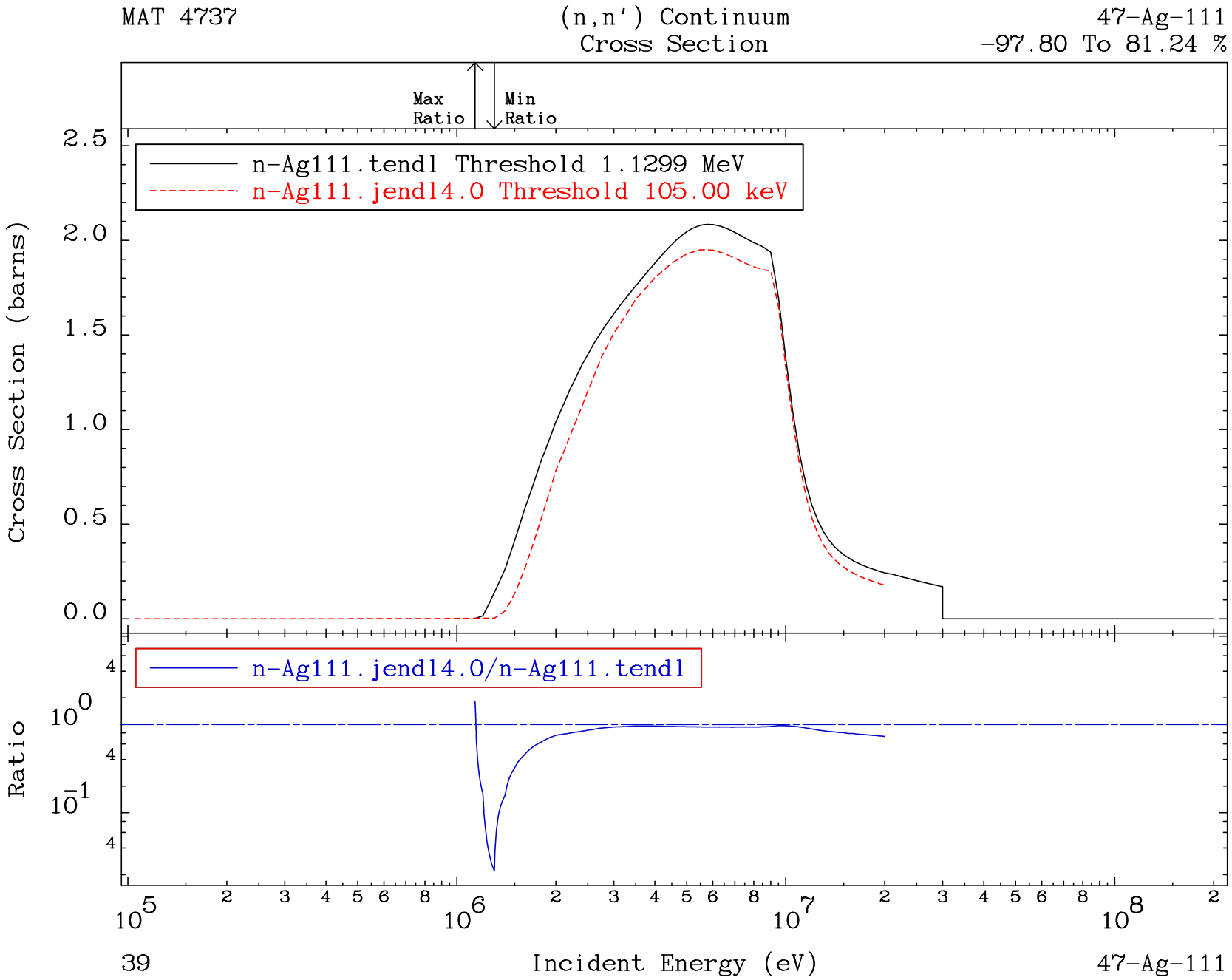

MAT 4737
MT= 74 (n,n') Level
Cross Section
47-Ag-111
-76.01 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0719 MeV
n-Ag111.jendl4.0 Threshold 1.0918 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
47-Ag-111

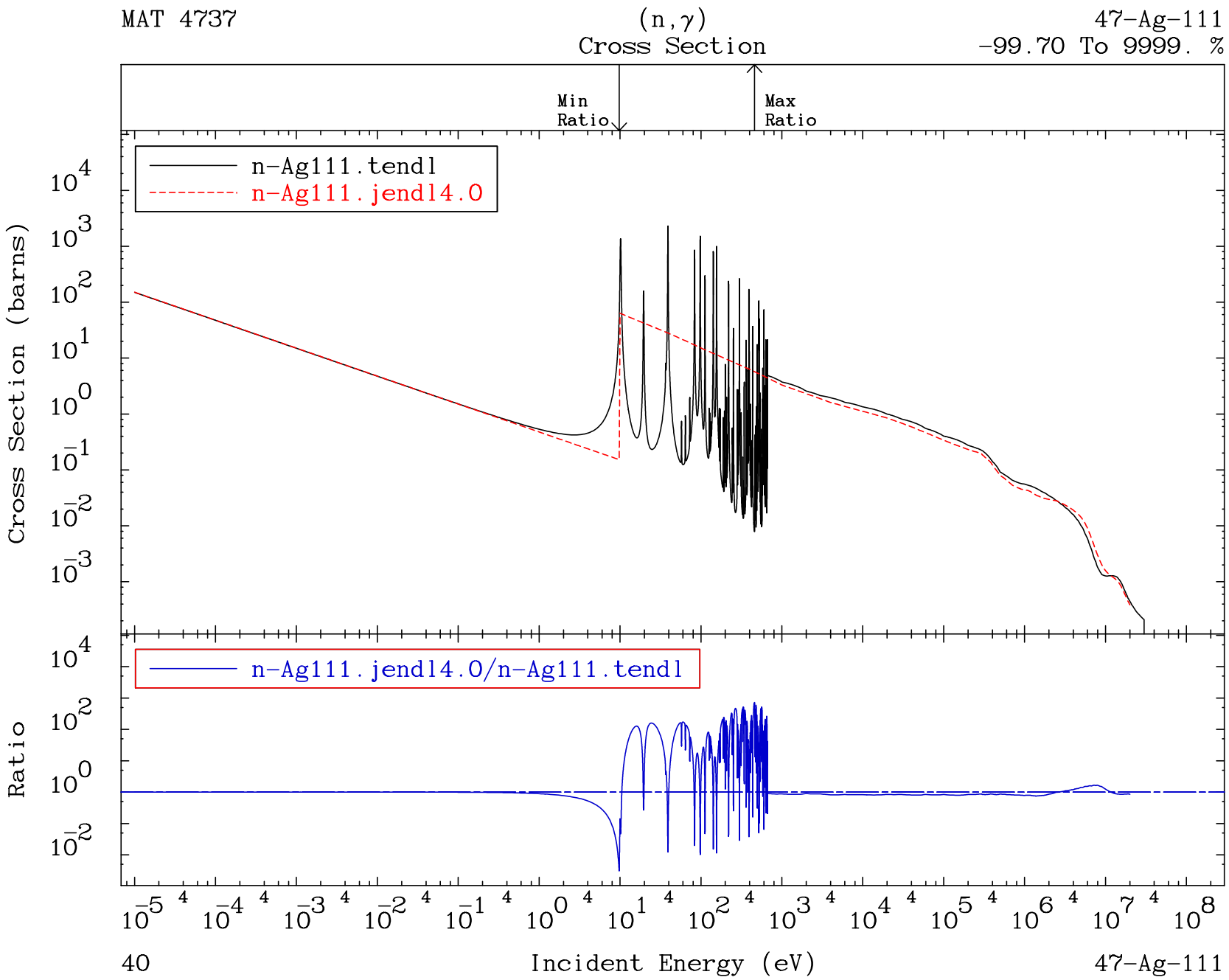

MAT 4737
MT= 75 (n,n') Level
Cross Section
47-Ag-111
-77.97 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0918 MeV
n-Ag111.jendl4.0 Threshold 1.0954 MeV
Cross Section (milli-barns)
60
40
20
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
47-Ag-111

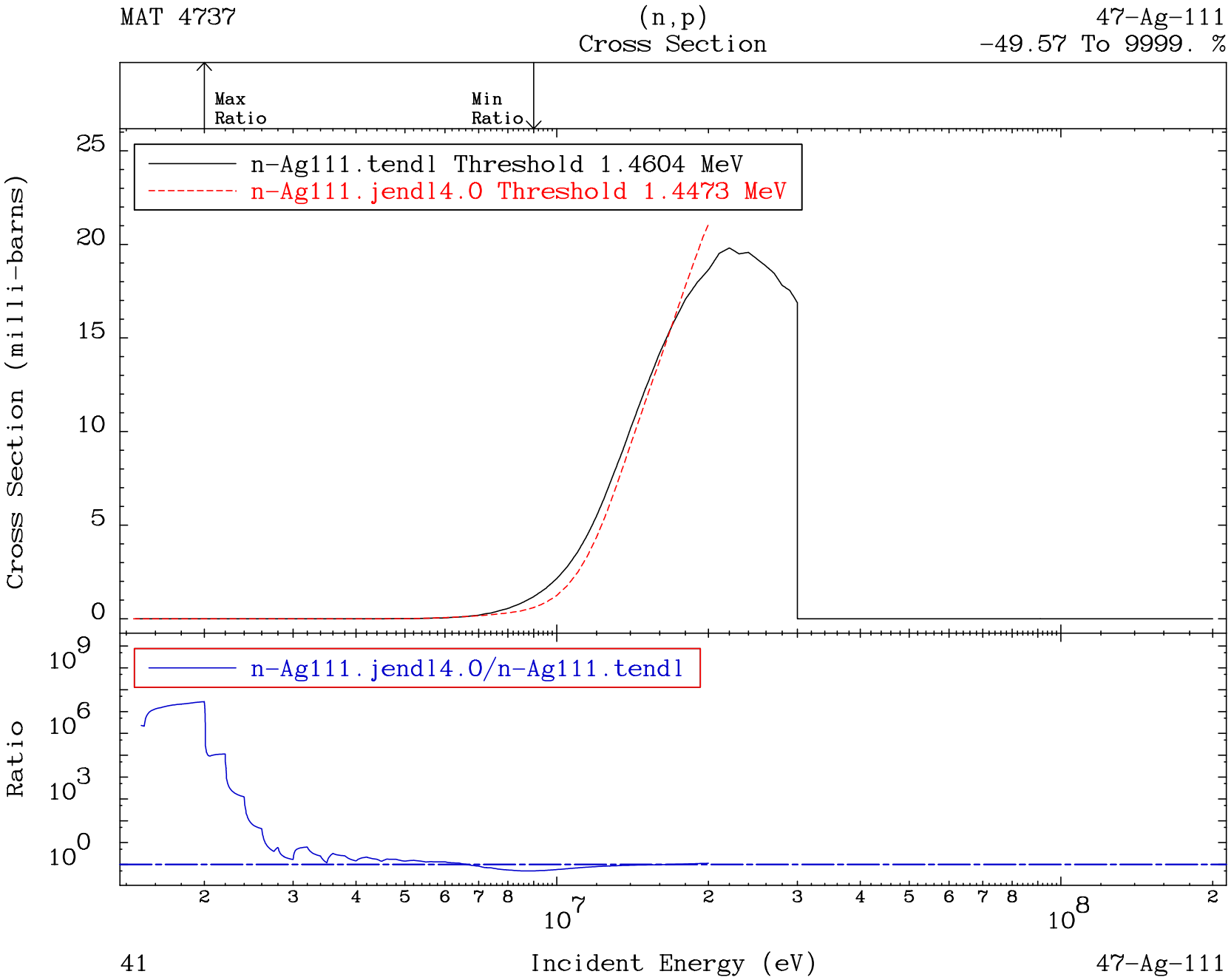

MAT 4737
MT= 76 (n,n') Level
Cross Section
47-Ag-111
61.13 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0954 MeV
n-Ag111.jendl4.0 Threshold 1.0965 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
47-Ag-111

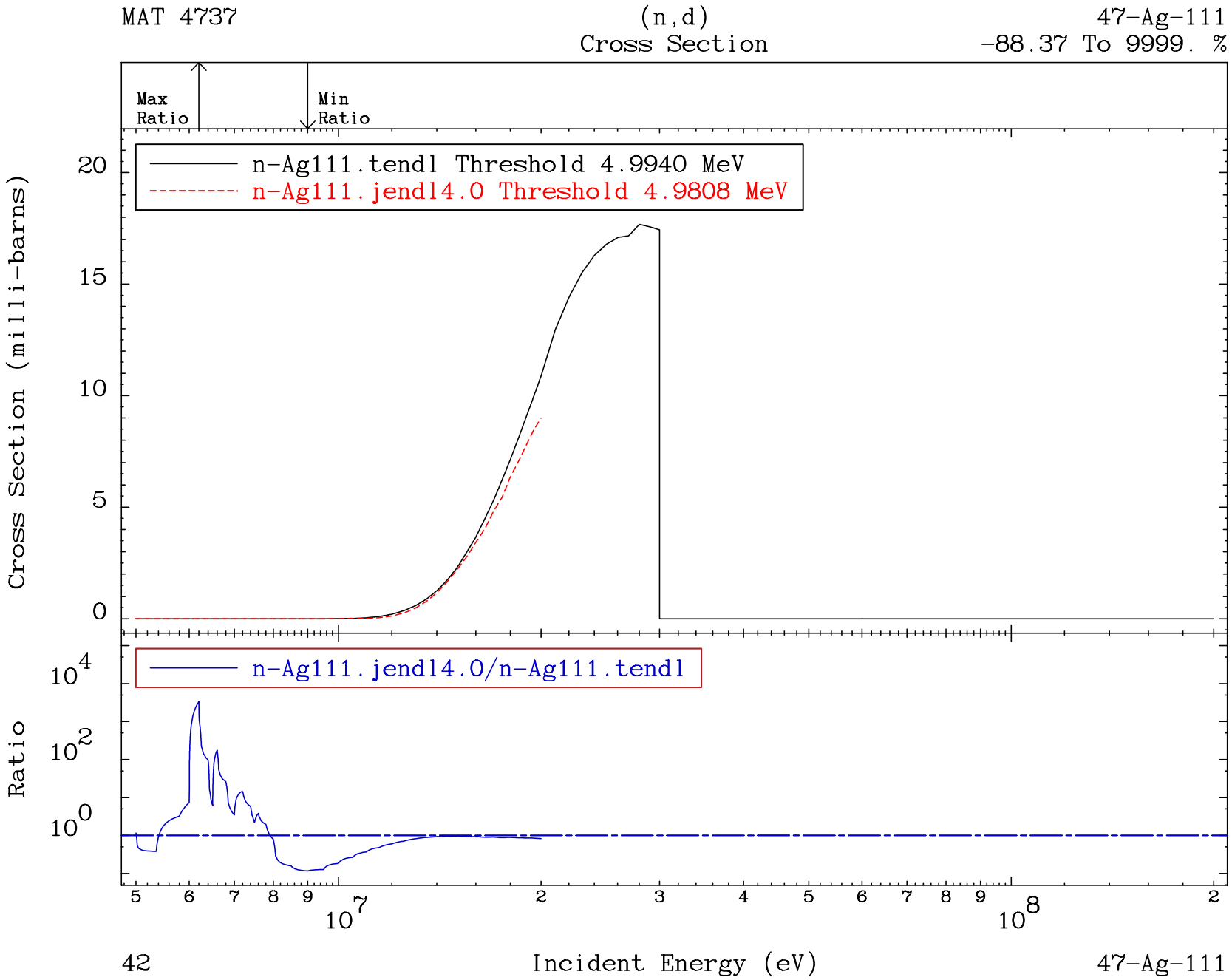

MAT 4737
MT= 77 (n,n') Level
Cross Section
47-Ag-111
-80.74 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.0965 MeV
n-Ag111.jendl4.0 Threshold 1.1299 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
47-Ag-111

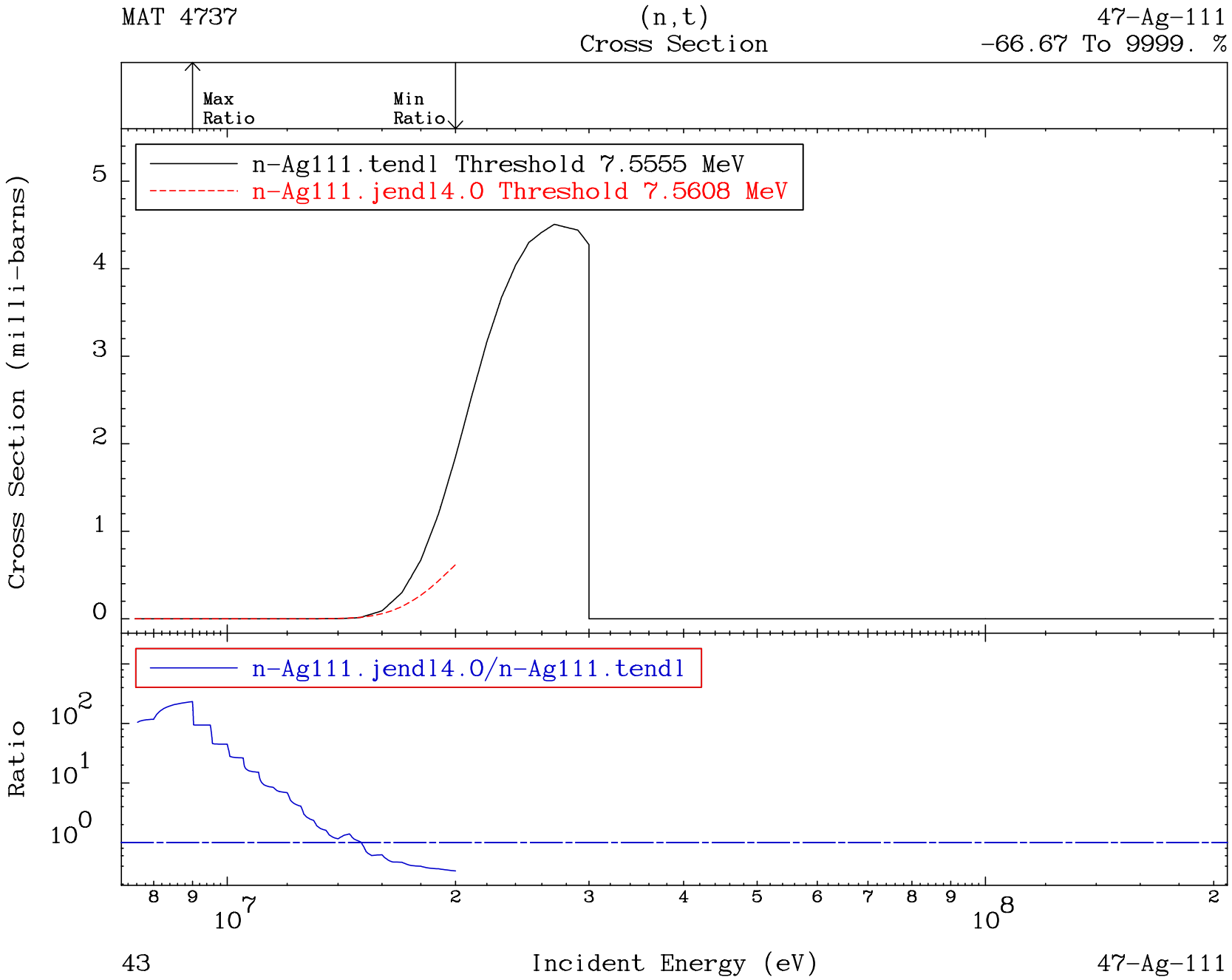

MAT 4737
MT= 78 (n,n') Level
Cross Section
47-Ag-111
-99.81 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.1299 MeV
n-Ag111.jendl4.0 Threshold 1.1356 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^6
10^3
10^0
10^-3
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
47-Ag-111

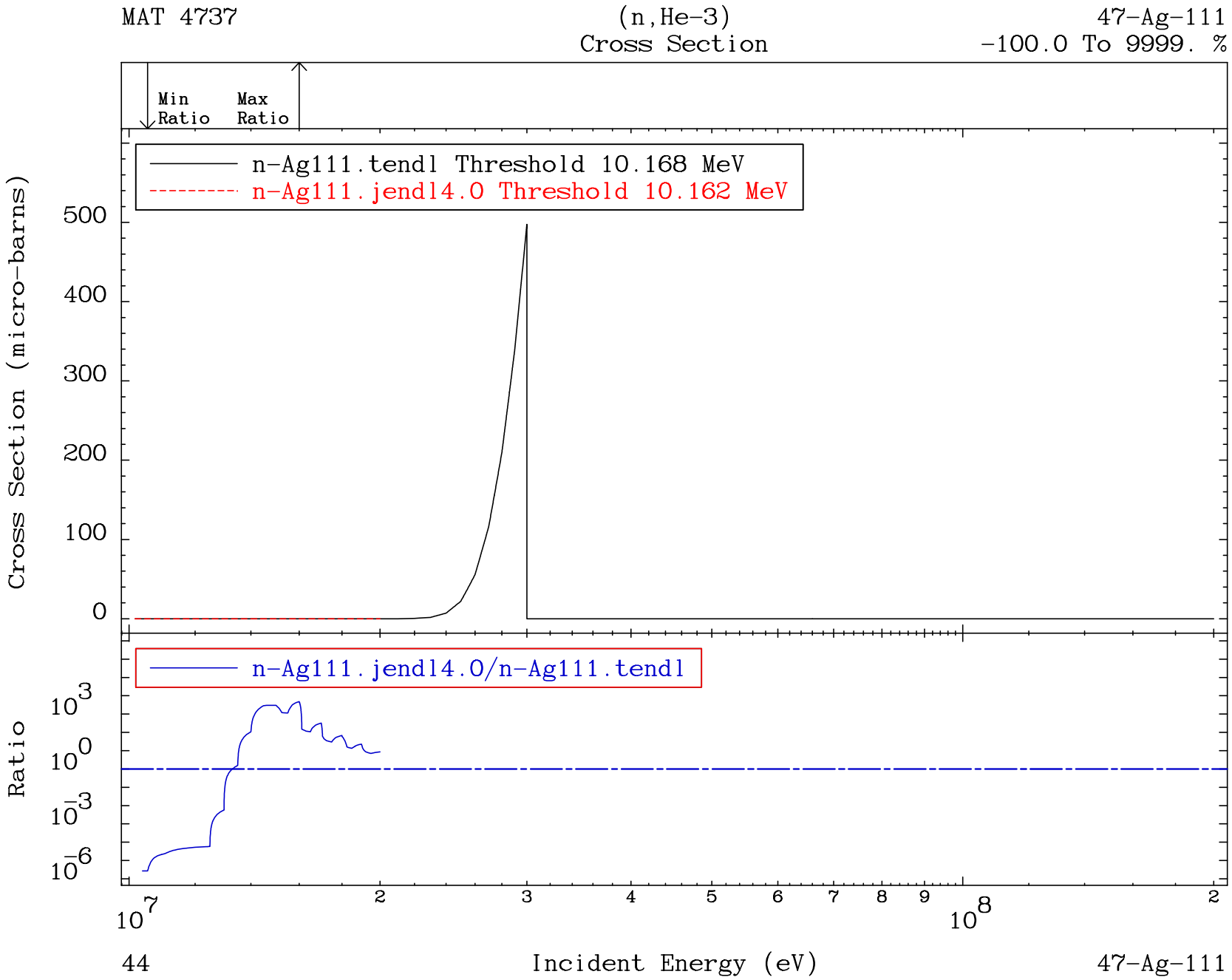

MAT 4737
(n,n') Continuum
Cross Section
47-Ag-111
-97.80 To 81.24 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.1299 MeV
n-Ag111.jendl4.0 Threshold 105.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^0
10^{-1}
10^5
10^6
10^7
10^8
Incident Energy (eV)
39
47-Ag-111

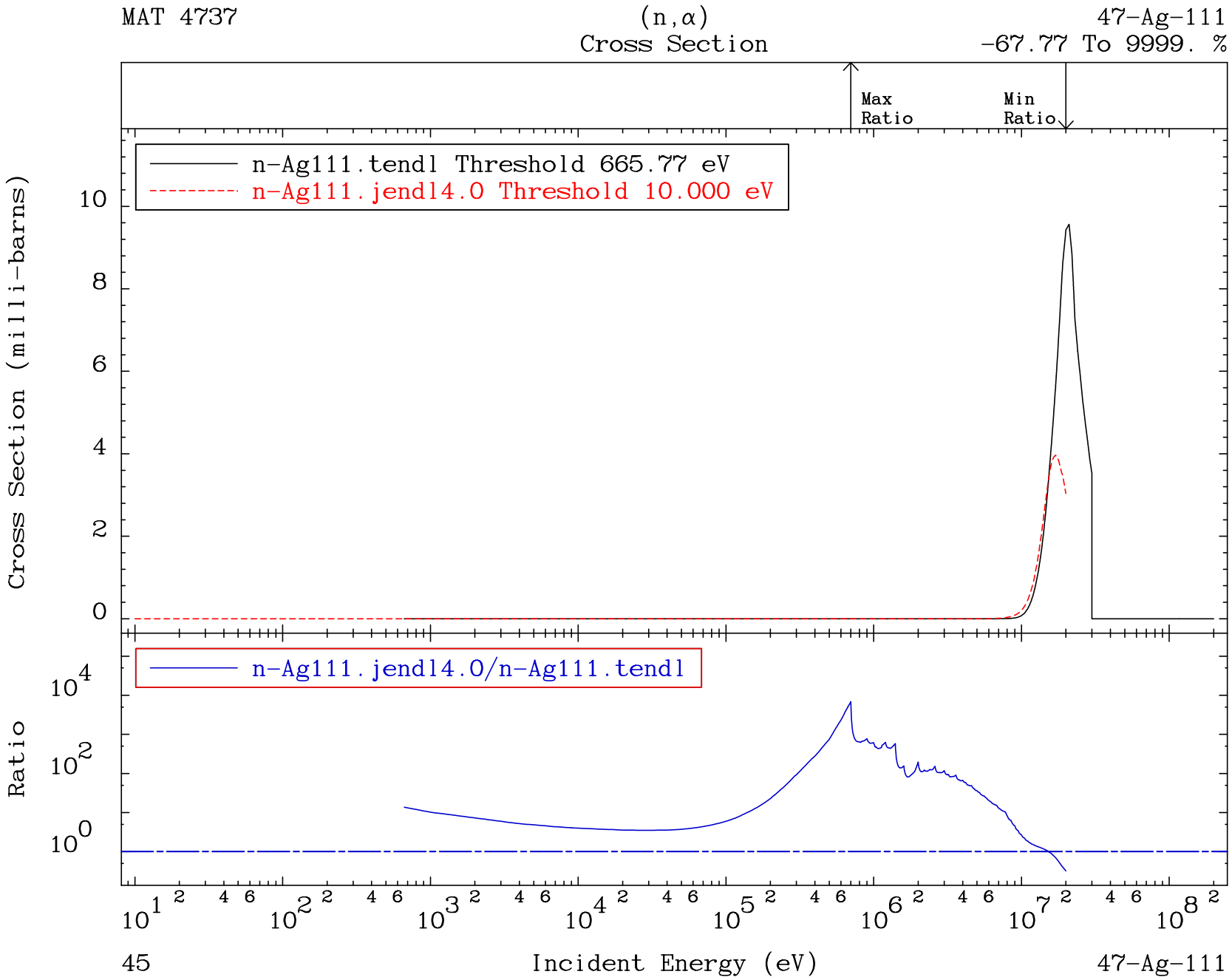

MAT 4737
(n,γ)
Cross Section
47-Ag-111
-99.70 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
40
47-Ag-111

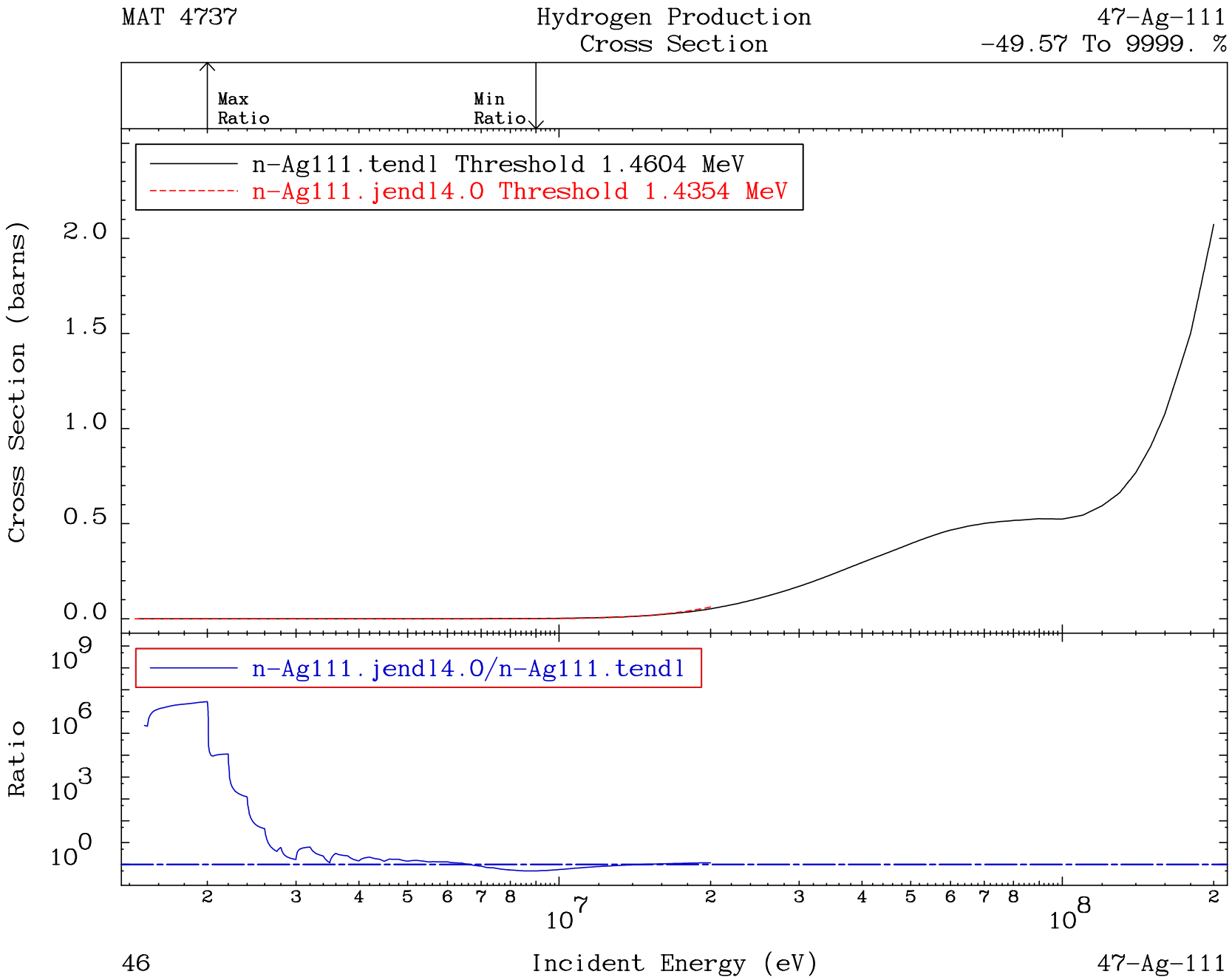

MAT 4737
(n,p)
Cross Section
47-Ag-111
-49.57 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.4604 MeV
n-Ag111.jendl4.0 Threshold 1.4473 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
47-Ag-111

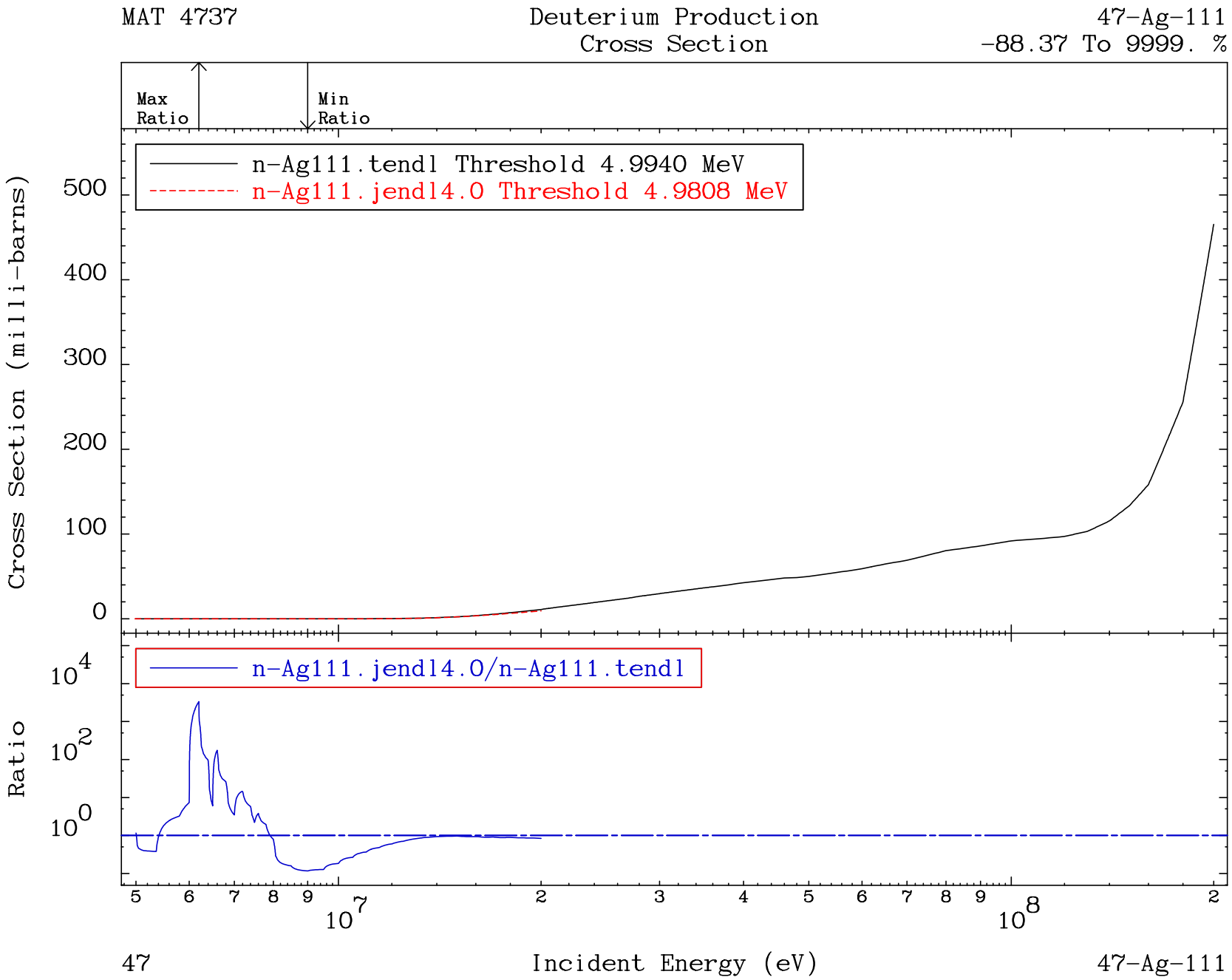

MAT 4737
(n,d)
Cross Section
47-Ag-111
-88.37 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 4.9940 MeV
n-Ag111.jendl4.0 Threshold 4.9808 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
47-Ag-111

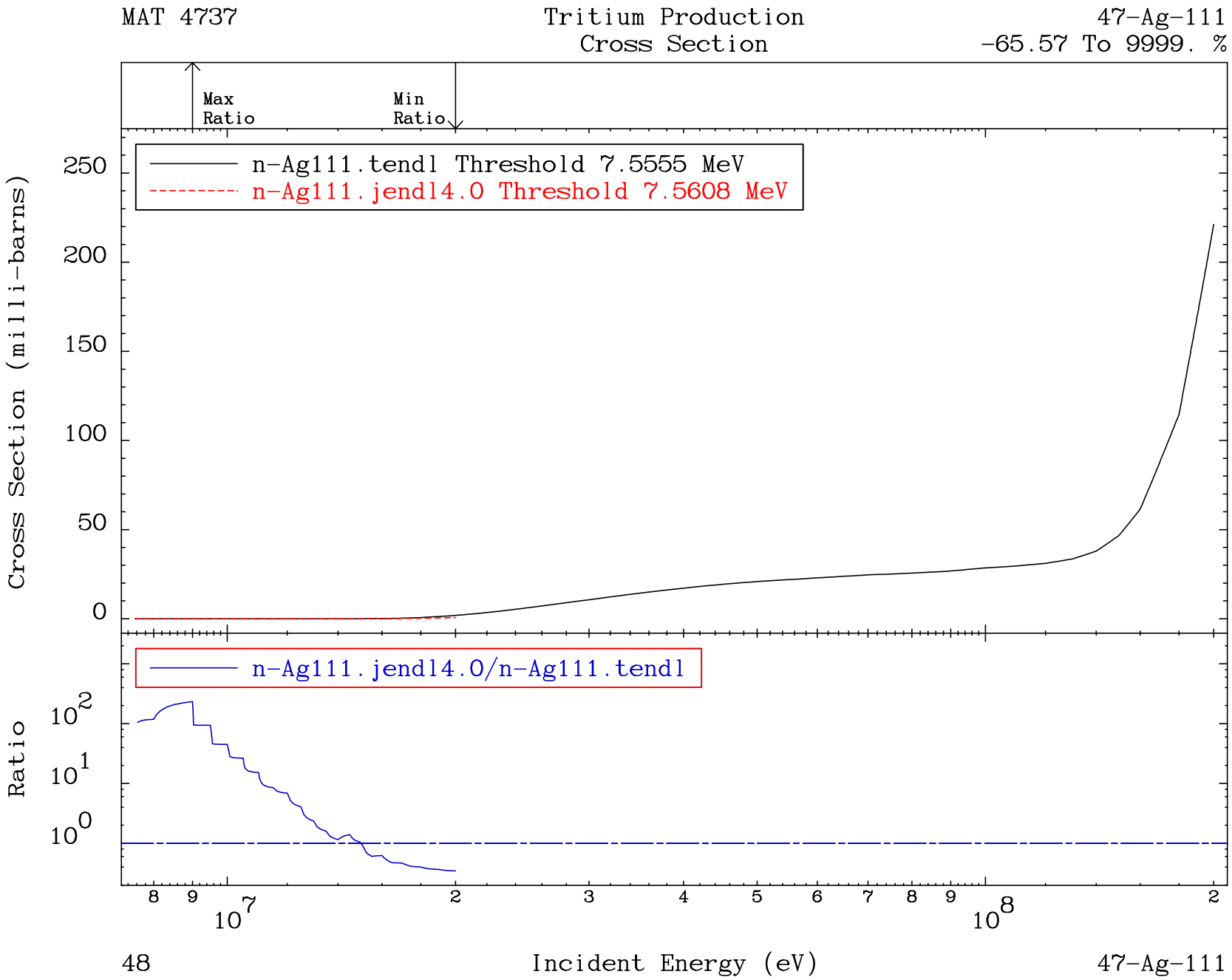

MAT 4737
(n,t)
Cross Section
47-Ag-111
-66.67 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 7.5555 MeV
n-Ag111.jendl4.0 Threshold 7.5608 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^2
10^1
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
47-Ag-111

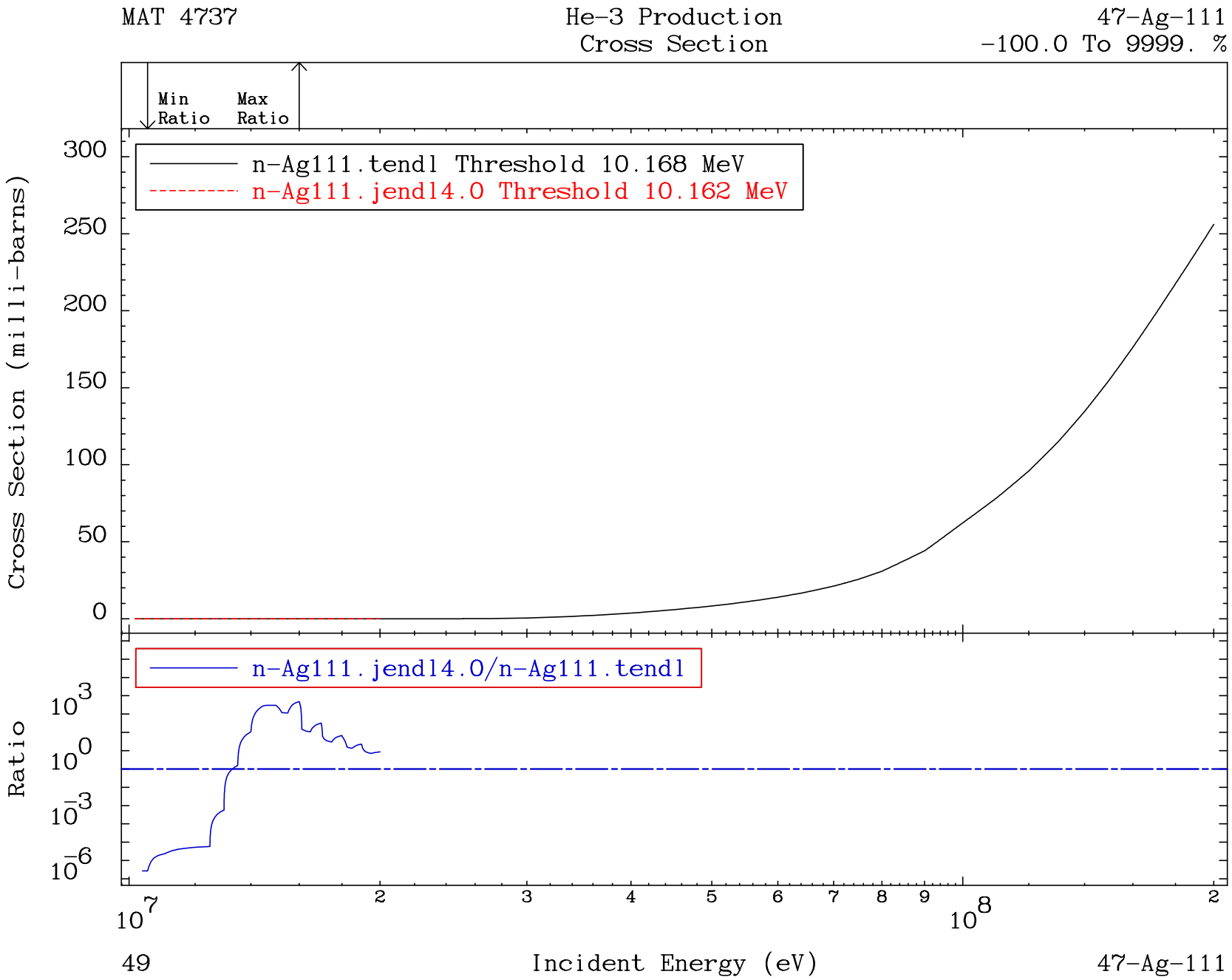

MAT 4737
(n,He-3)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 10.168 MeV
n-Ag111.jendl4.0 Threshold 10.162 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
47-Ag-111

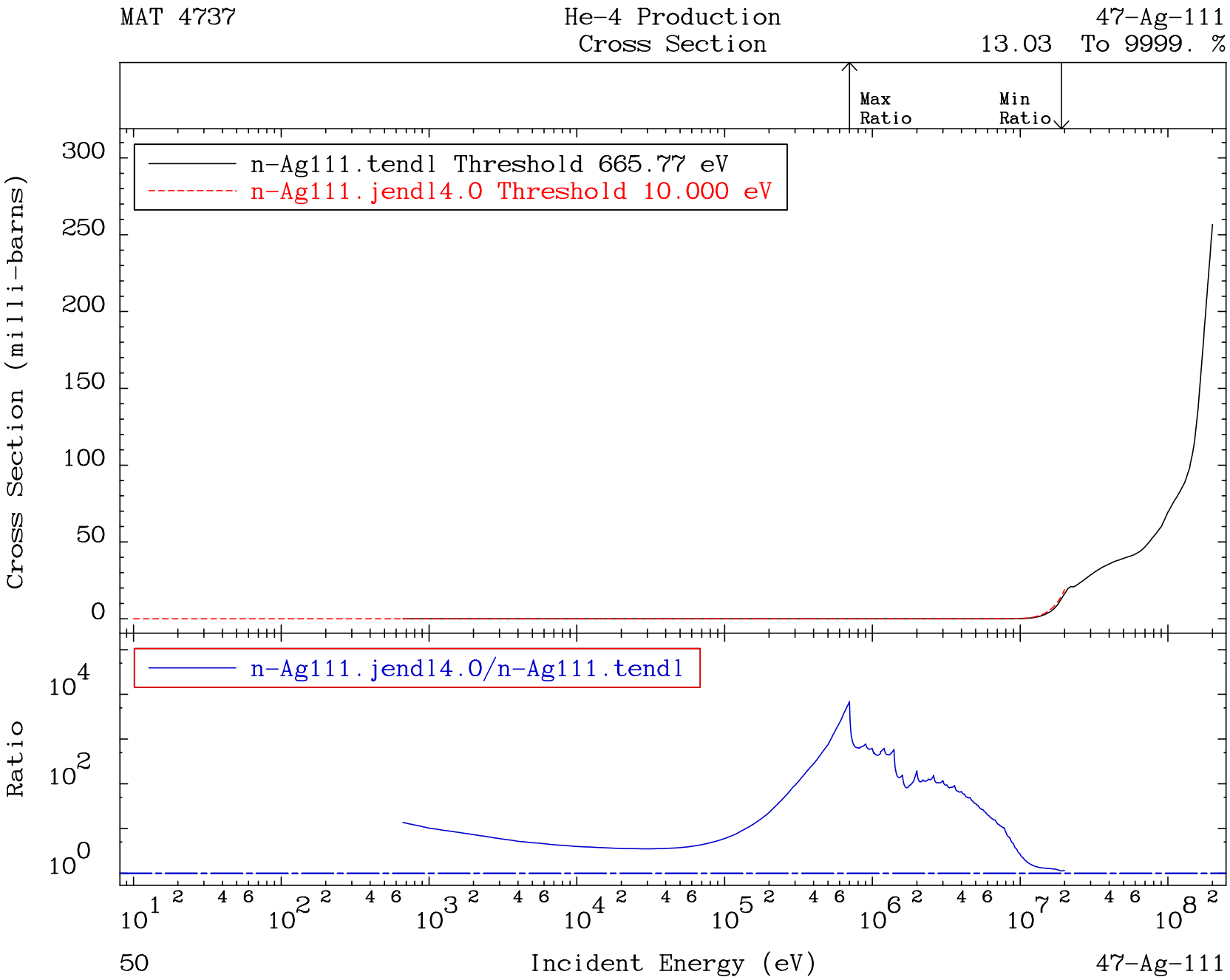

MAT 4737
(n,α)
Cross Section
47-Ag-111
-67.77 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 665.77 eV
n-Ag111.jendl4.0 Threshold 10.000 eV
Cross Section (milli-barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
45
47-Ag-111

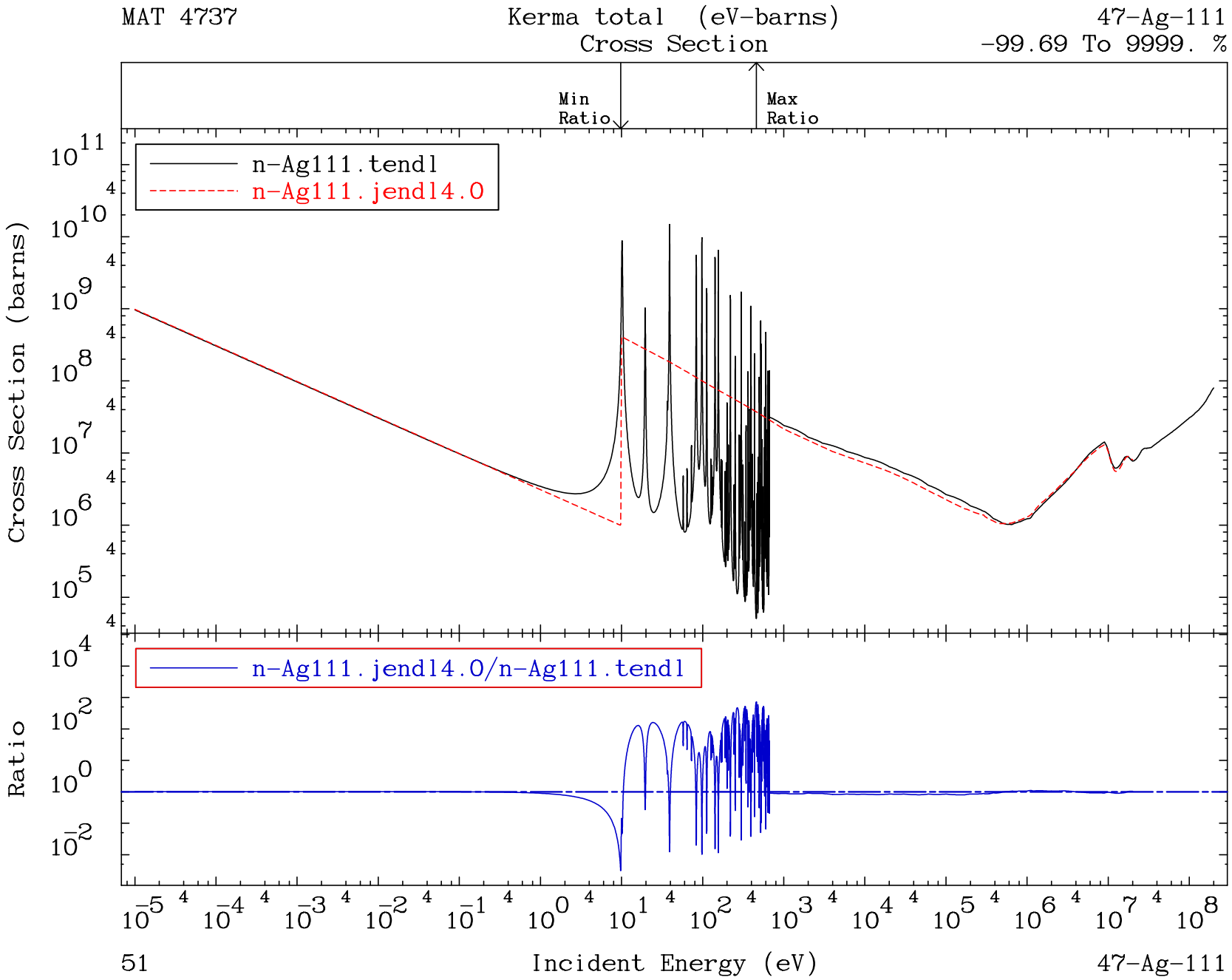

MAT 4737
Hydrogen Production
Cross Section
47-Ag-111
-49.57 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.4604 MeV
n-Ag111.jendl4.0 Threshold 1.4354 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
47-Ag-111

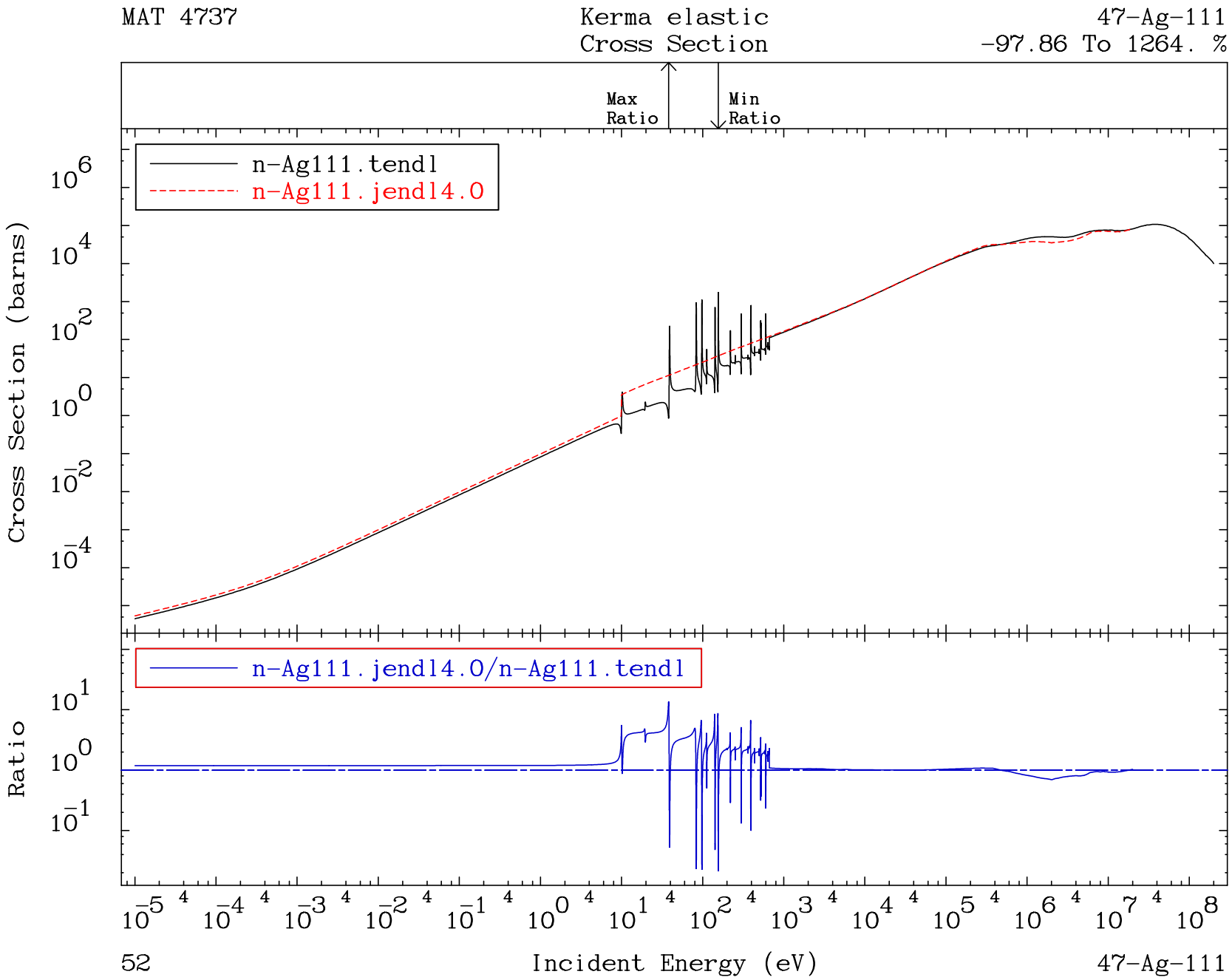

MAT 4737
Deuterium Production
Cross Section
47-Ag-111
-88.37 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 4.9940 MeV
n-Ag111.jendl4.0 Threshold 4.9808 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
47-Ag-111

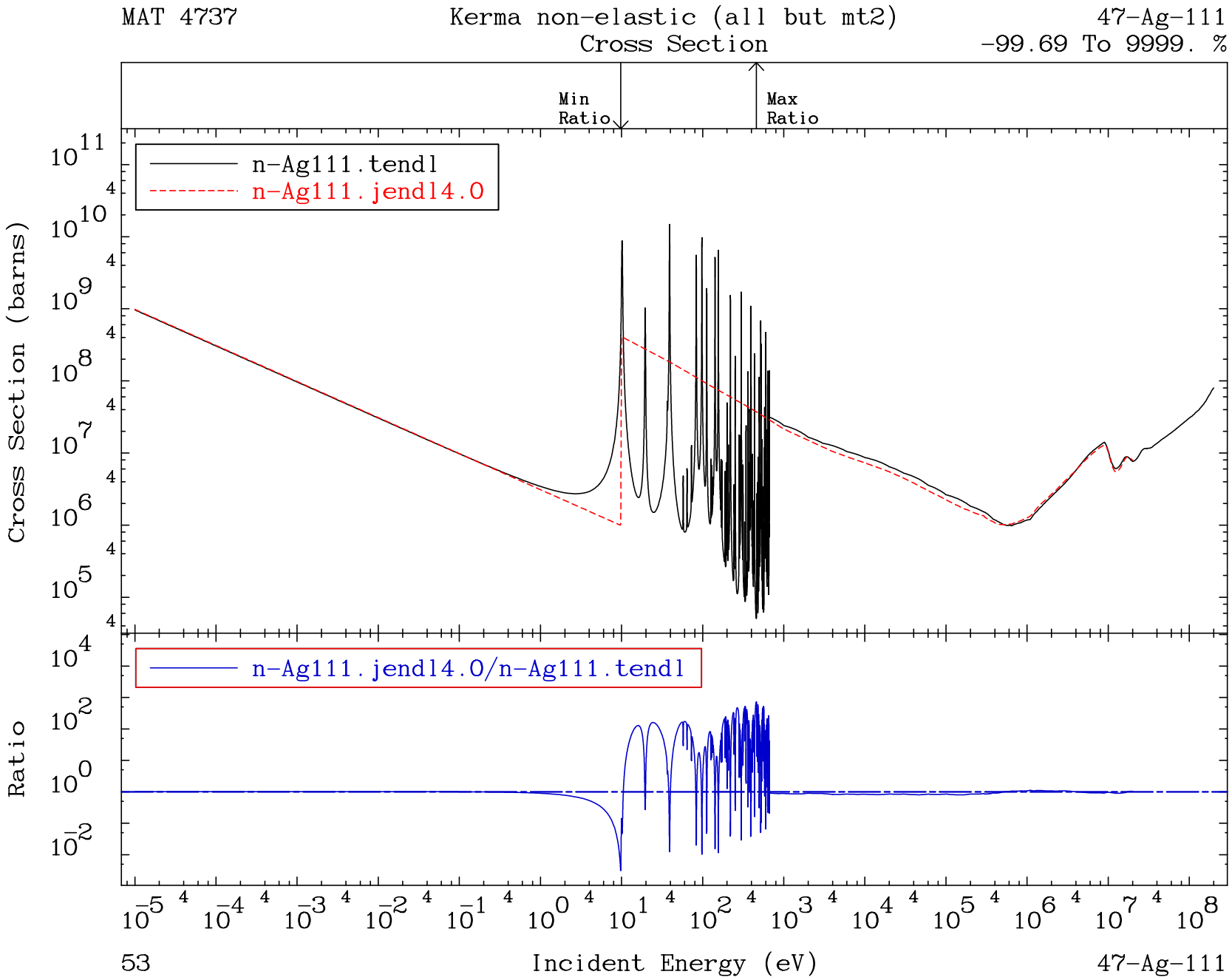

MAT 4737
Tritium Production
Cross Section
47-Ag-111
-65.57 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 7.5555 MeV
n-Ag111.jendl4.0 Threshold 7.5608 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^2
10^1
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
47-Ag-111

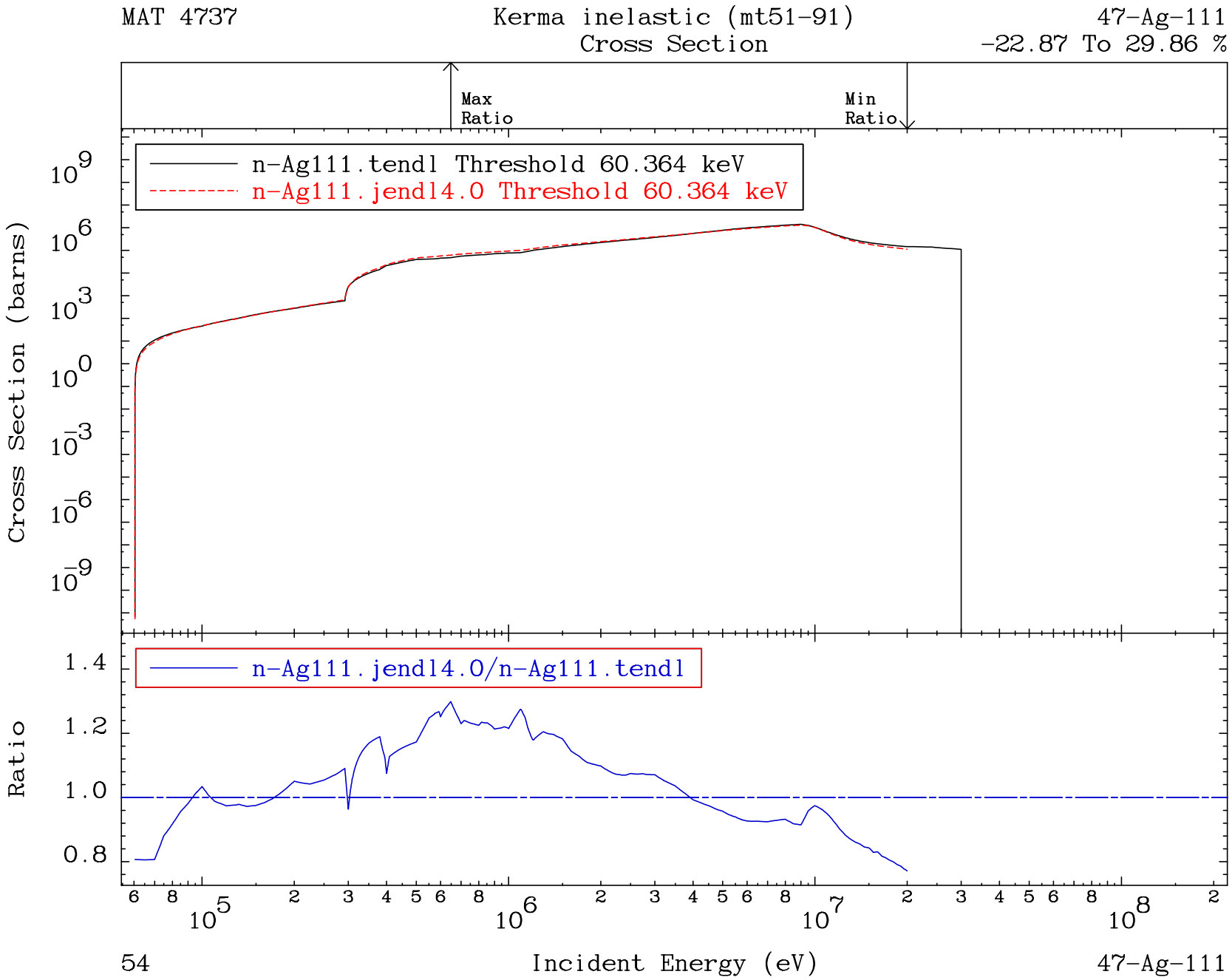

MAT 4737
He-3 Production
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 10.168 MeV
n-Ag111.jendl4.0 Threshold 10.162 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
47-Ag-111

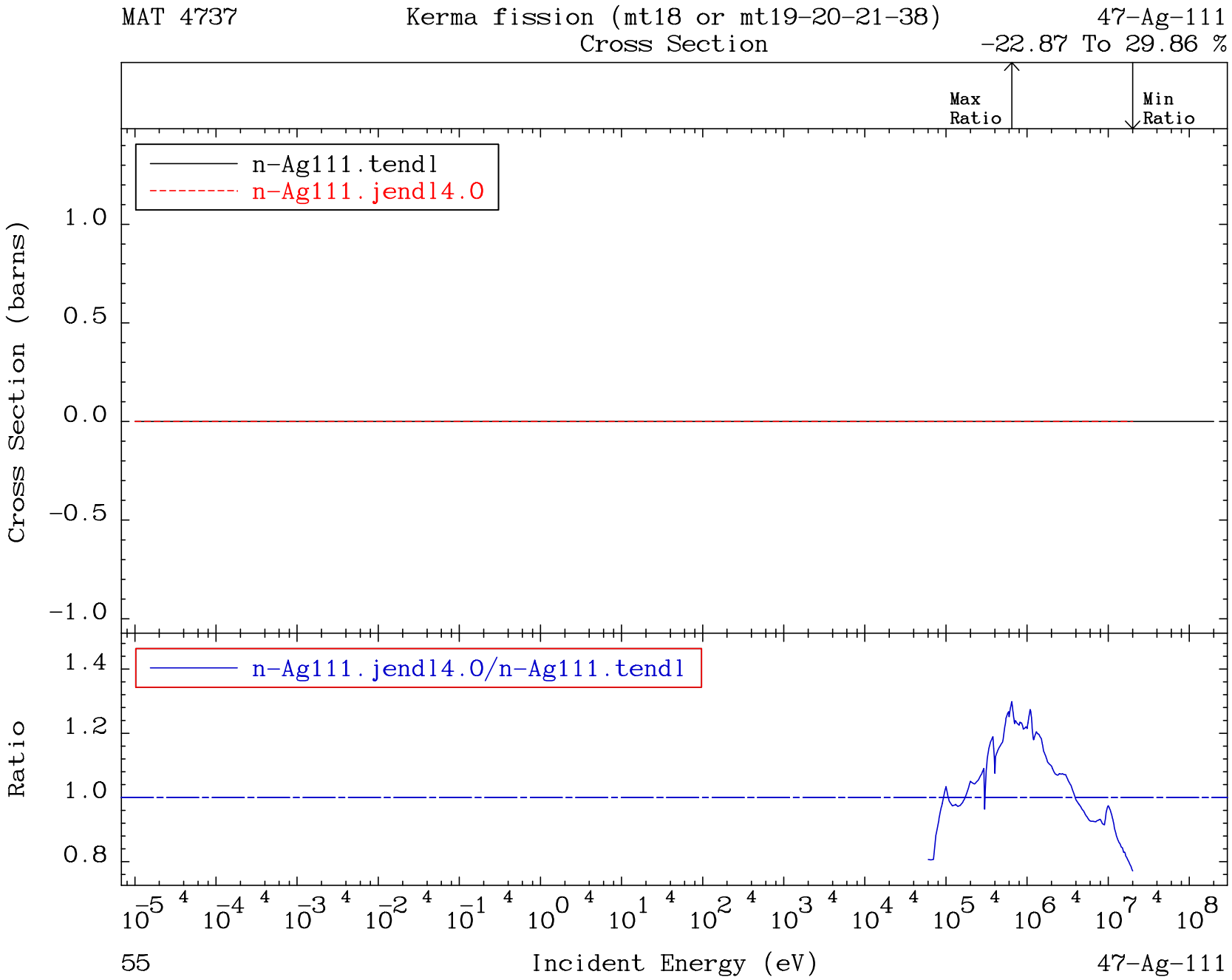

MAT 4737
He-4 Production
Cross Section
47-Ag-111
13.03 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 665.77 eV
n-Ag111.jendl4.0 Threshold 10.000 eV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
10^4
10^2
10^0
10^1 2 4 6 10^2 2 4 6 10^3 2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2 4 6 10^8 2
50
Incident Energy (eV)
47-Ag-111

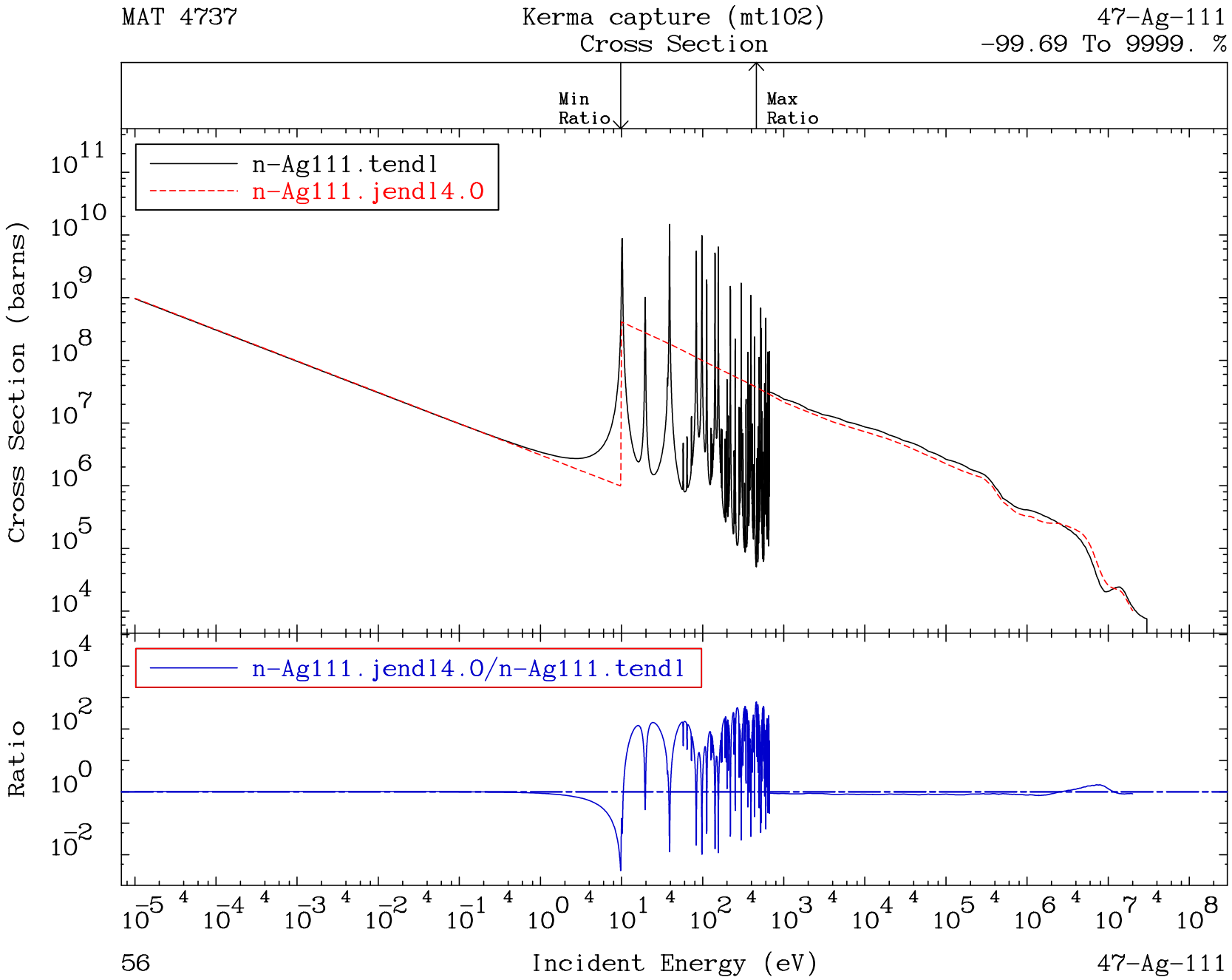

MAT 4737
Kerma total (eV-barns)
Cross Section
47-Ag-111
-99.69 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
51
47-Ag-111

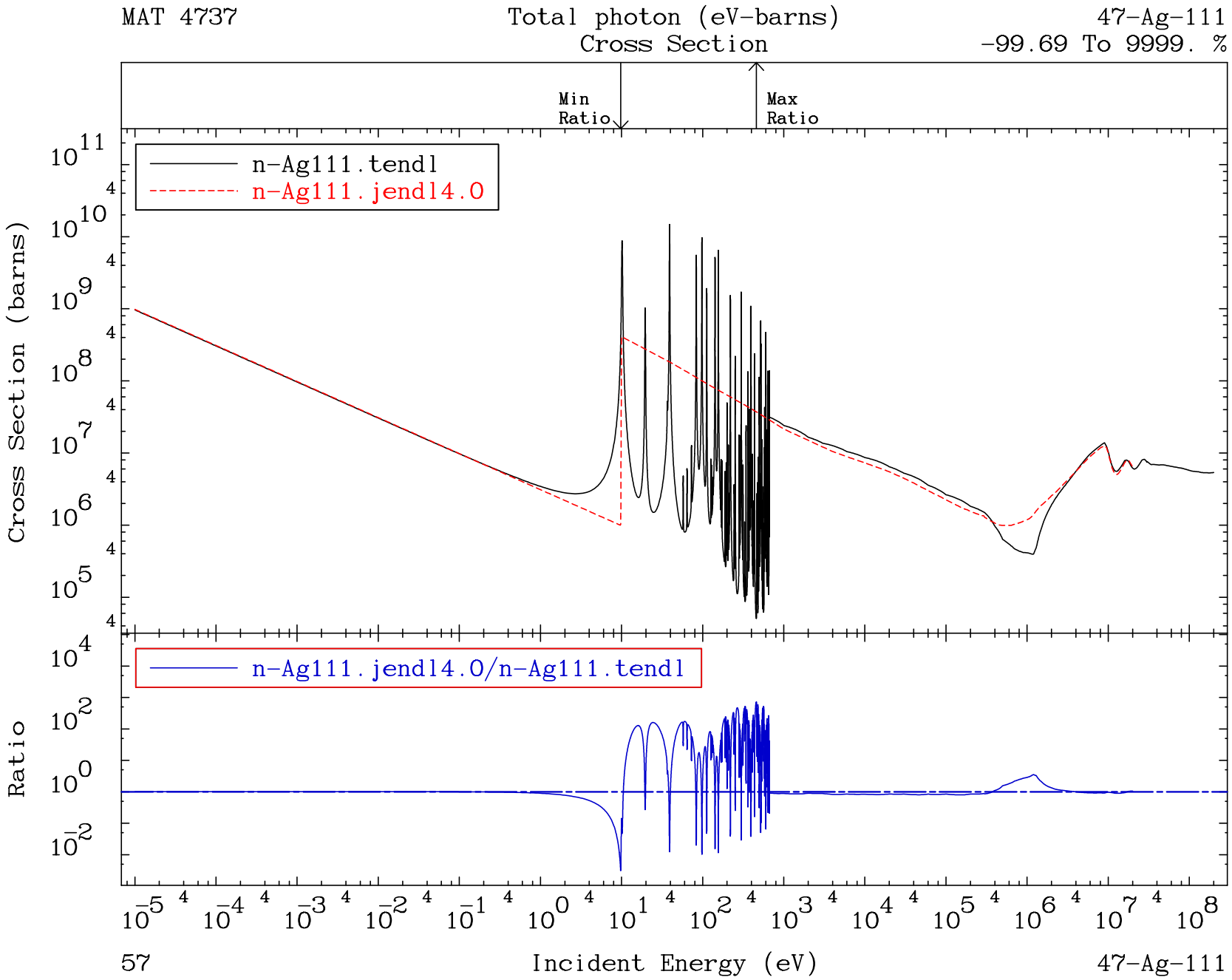

MAT 4737
Kerma elastic
Cross Section
47-Ag-111
-97.86 To 1264. %
Max Ratio
Min Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
52
47-Ag-111

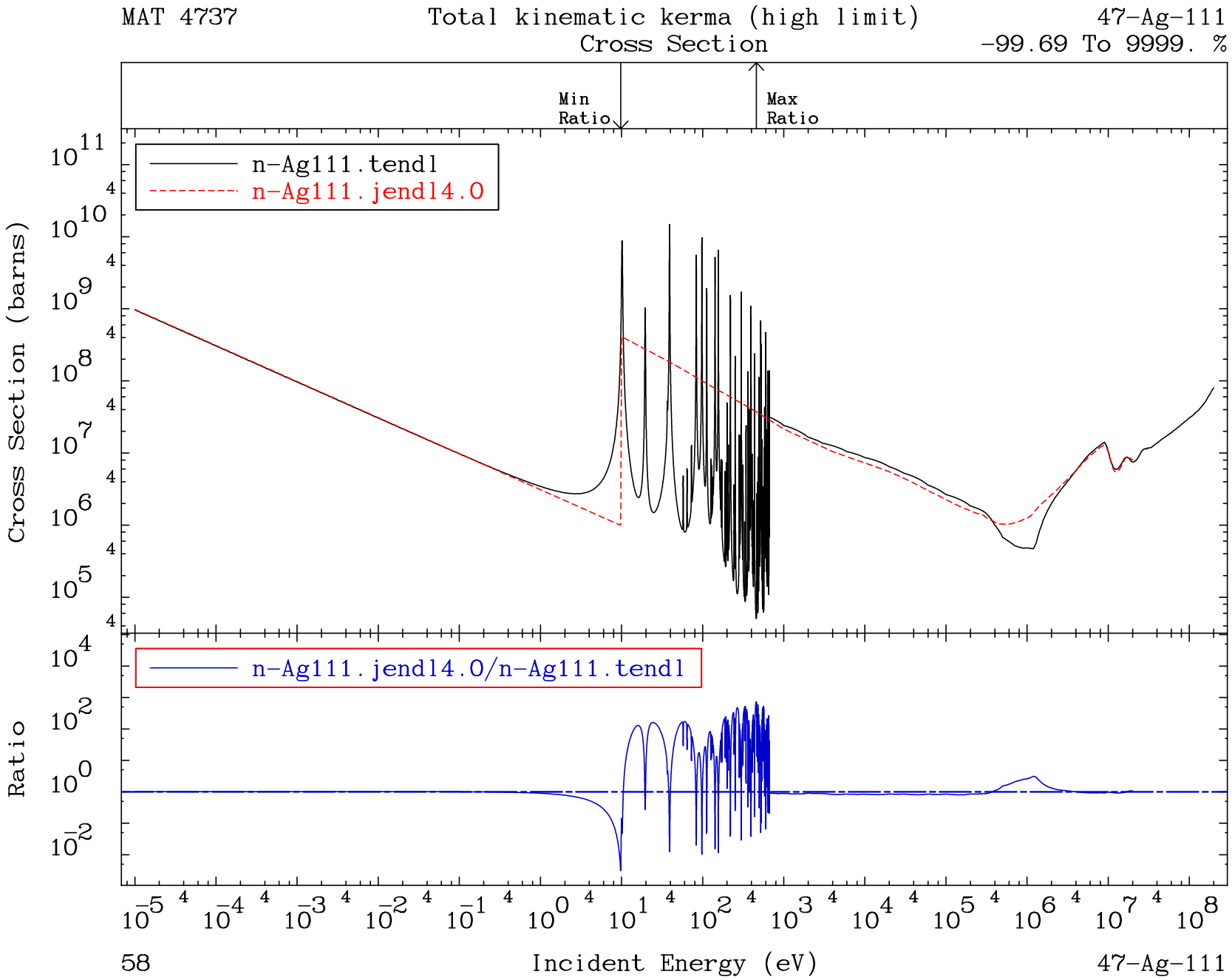

MAT 4737
Kerma non-elastic (all but mt2)
Cross Section
47-Ag-111
-99.69 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
53
Incident Energy (eV)
47-Ag-111

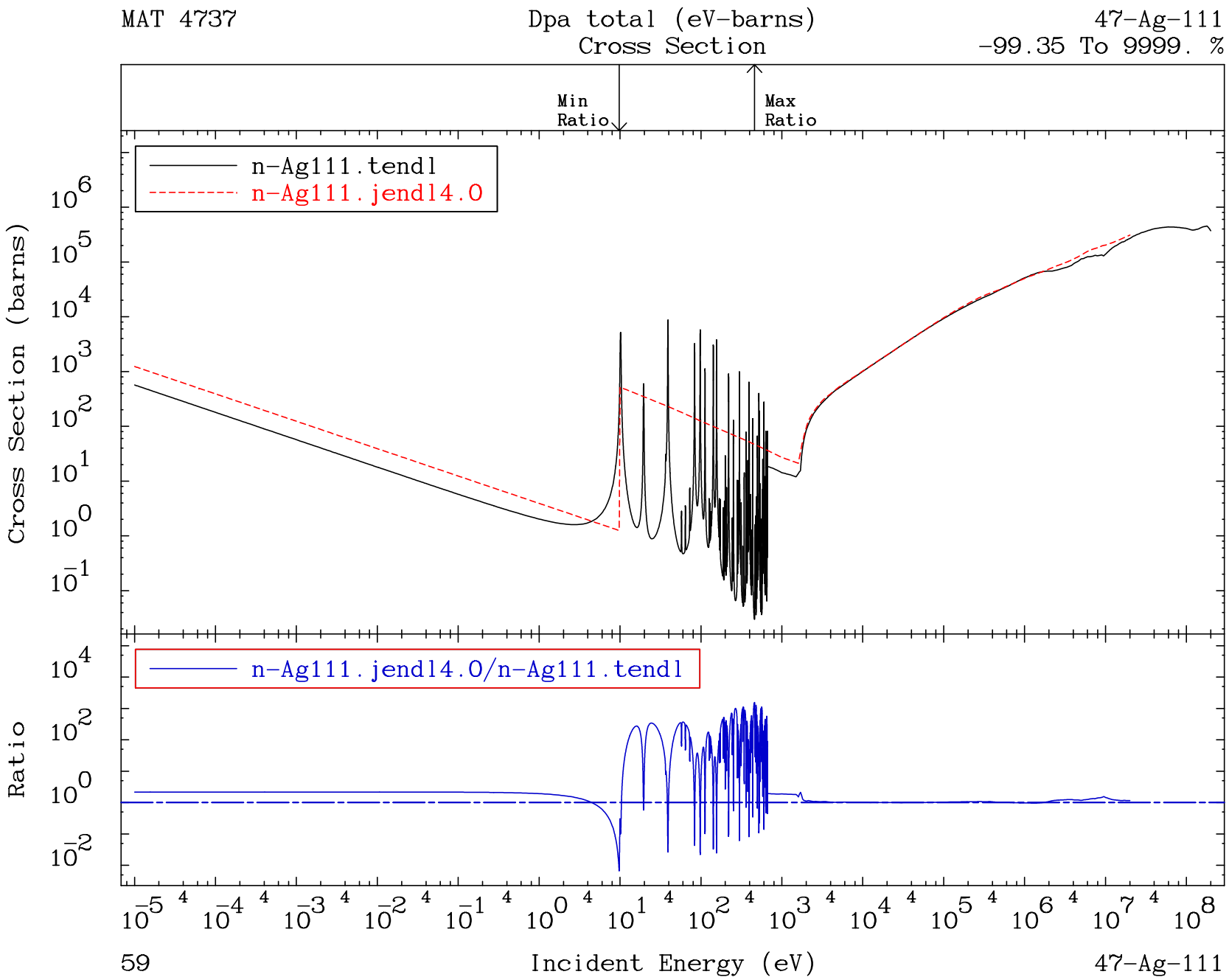

MAT 4737
Kerma inelastic (mt51-91)
Cross Section
47-Ag-111
-22.87 To 29.86 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jendl4.0 Threshold 60.364 keV
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
54
47-Ag-111

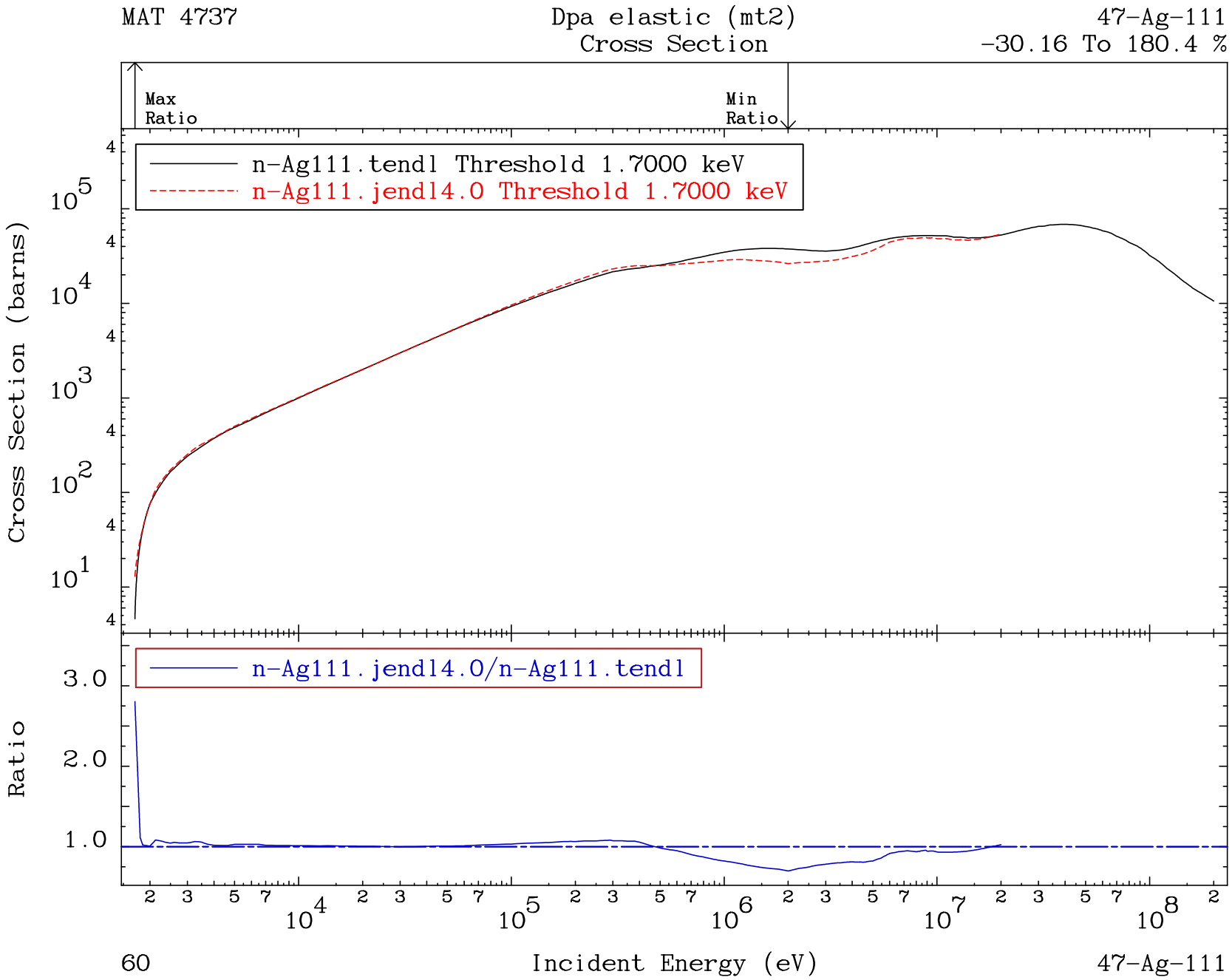

MAT 4737
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
47-Ag-111
-22.87 To 29.86 %
Max Ratio
Min Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
1.4
1.2
1.0
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
47-Ag-111

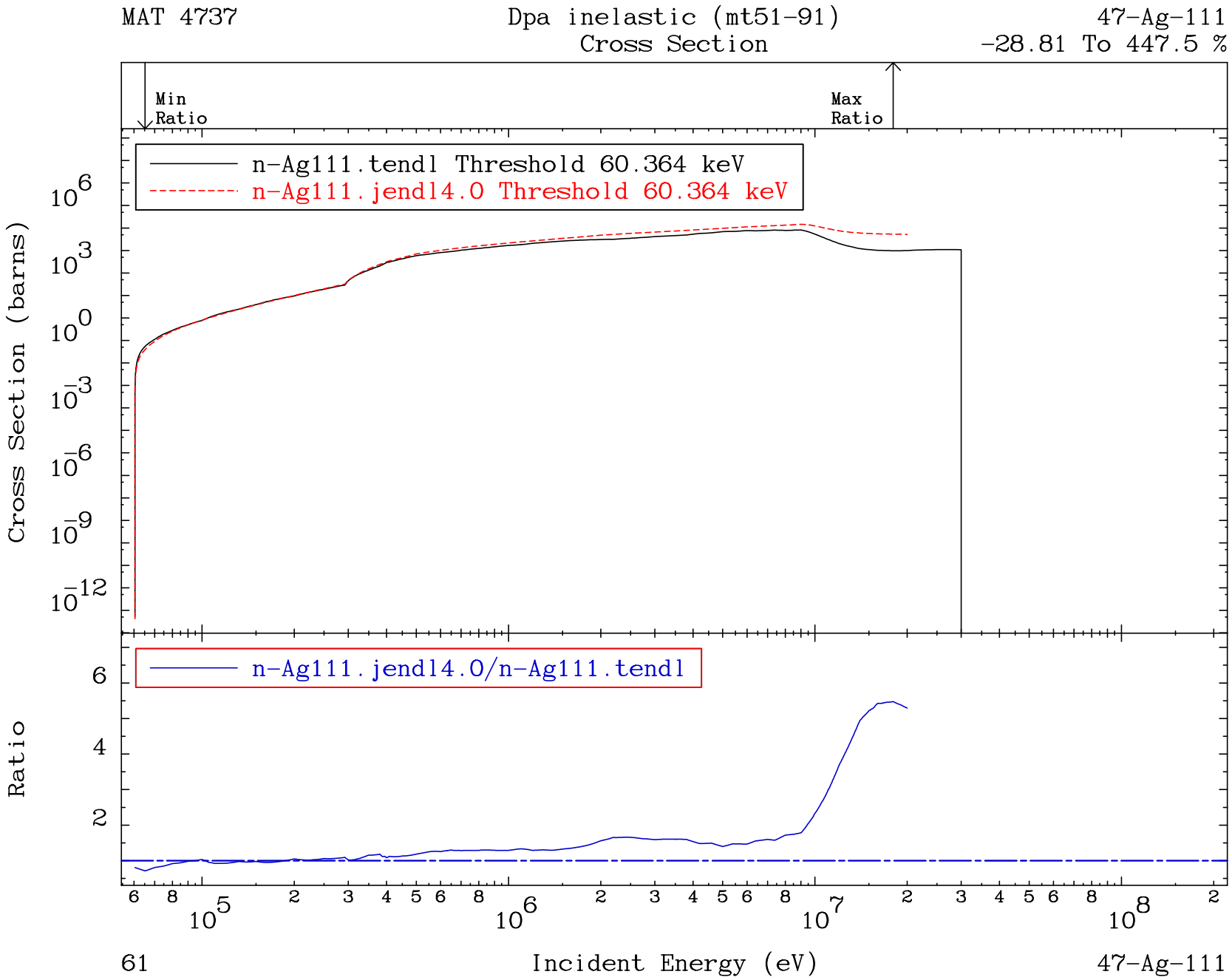

MAT 4737
Kerma capture (mt102)
Cross Section
47-Ag-111
-99.69 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
56
47-Ag-111

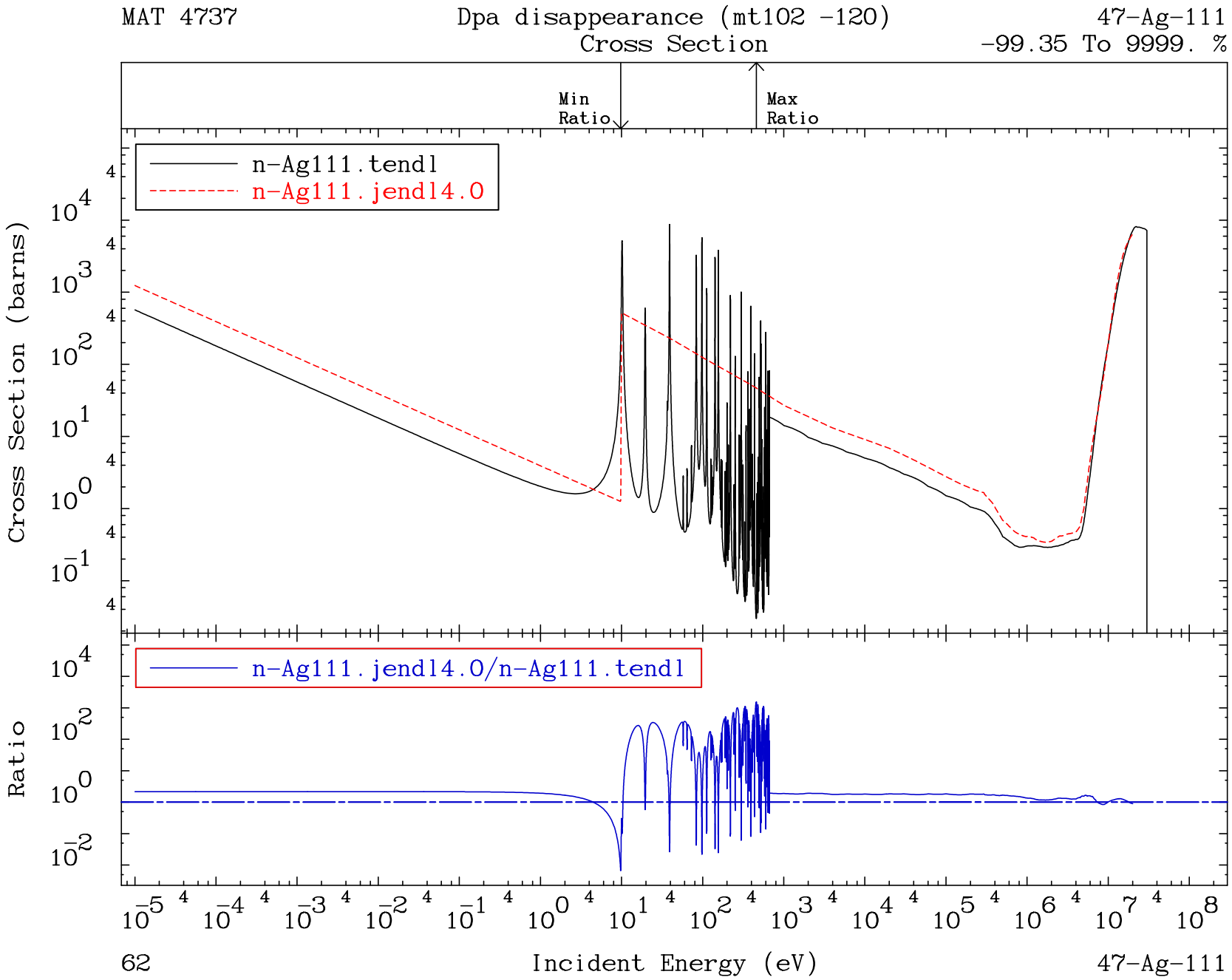

MAT 4737
Total photon (eV-barns)
Cross Section
47-Ag-111
-99.69 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
57
47-Ag-111


MAT 4737
Total kinematic kerma (high limit)
Cross Section
47-Ag-111
-99.69 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
58
Incident Energy (eV)
47-Ag-111


MAT 4737
Dpa total (eV-barns)
Cross Section
47-Ag-111
-99.35 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
59
Incident Energy (eV)
47-Ag-111


MAT 4737
Dpa elastic (mt2)
Cross Section
47-Ag-111
-30.16 To 180.4 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.7000 keV
n-Ag111.jendl4.0 Threshold 1.7000 keV
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
60
47-Ag-111


MAT 4737
Dpa inelastic (mt51-91)
Cross Section
47-Ag-111
-28.81 To 447.5 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jendl4.0 Threshold 60.364 keV
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
61
47-Ag-111


MAT 4737
Dpa disappearance (mt102 -120)
Cross Section
47-Ag-111
-99.35 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jendl4.0
Cross Section (barns)
n-Ag111.jendl4.0/n-Ag111.tendl
Ratio
Incident Energy (eV)
62
47-Ag-111