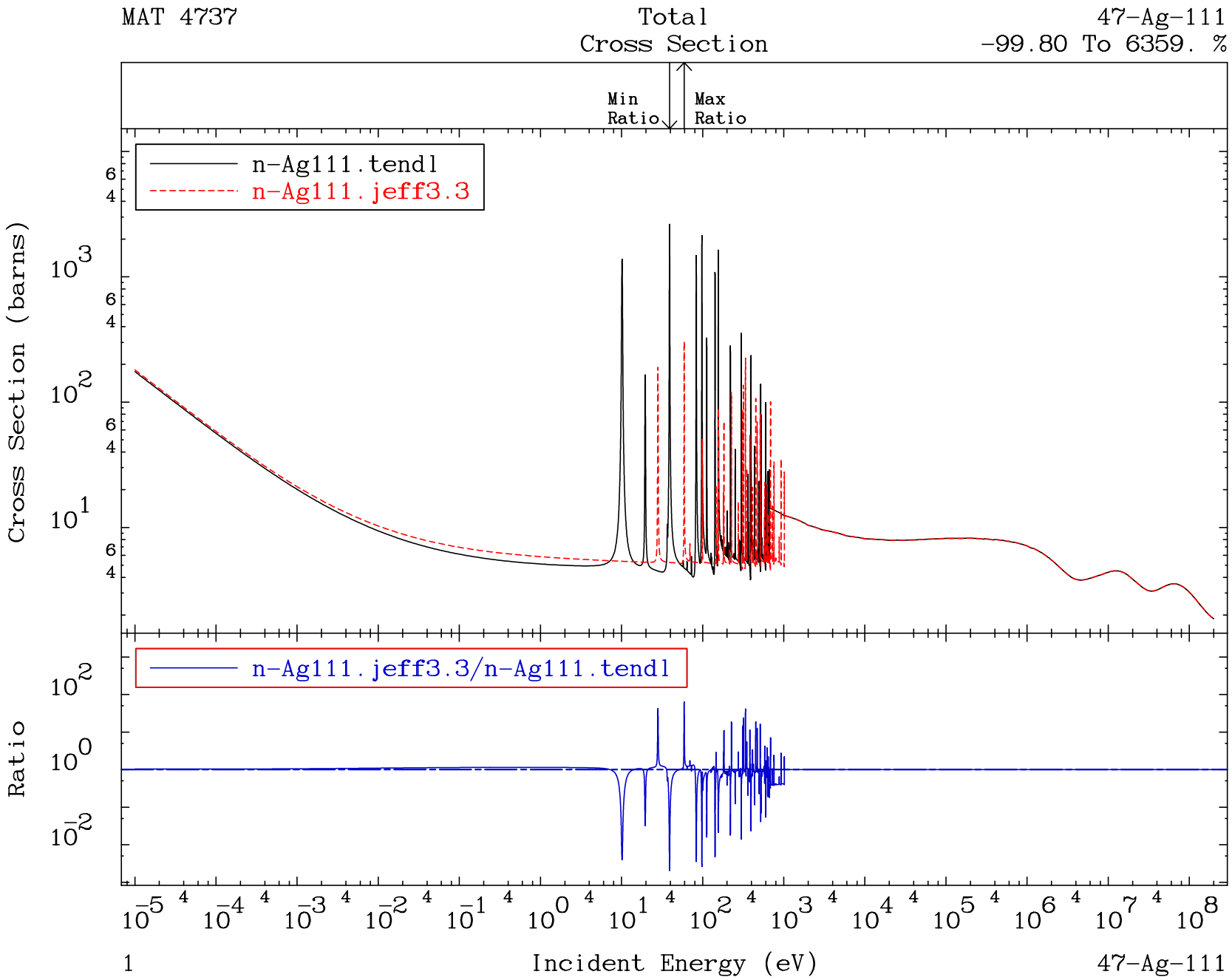
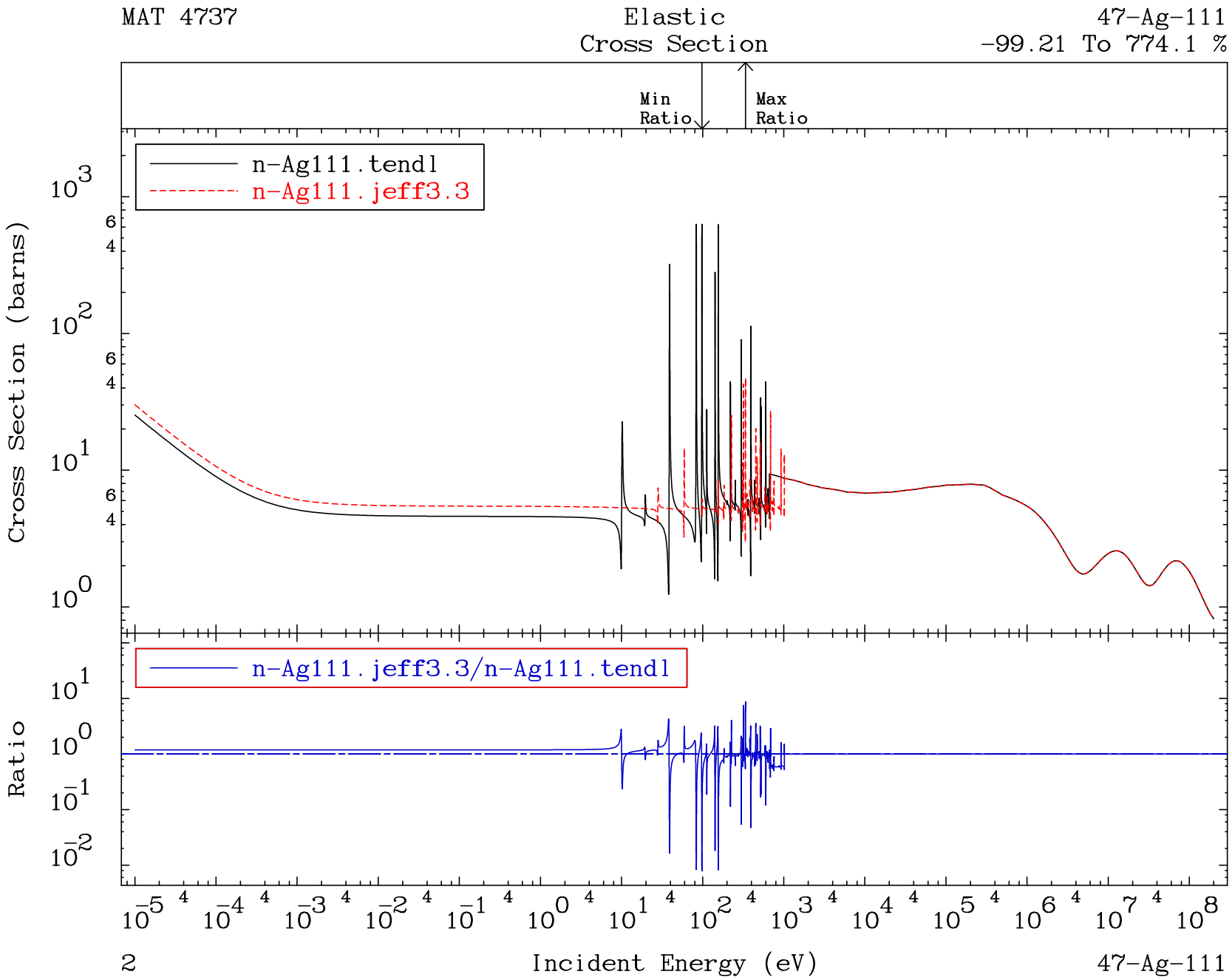
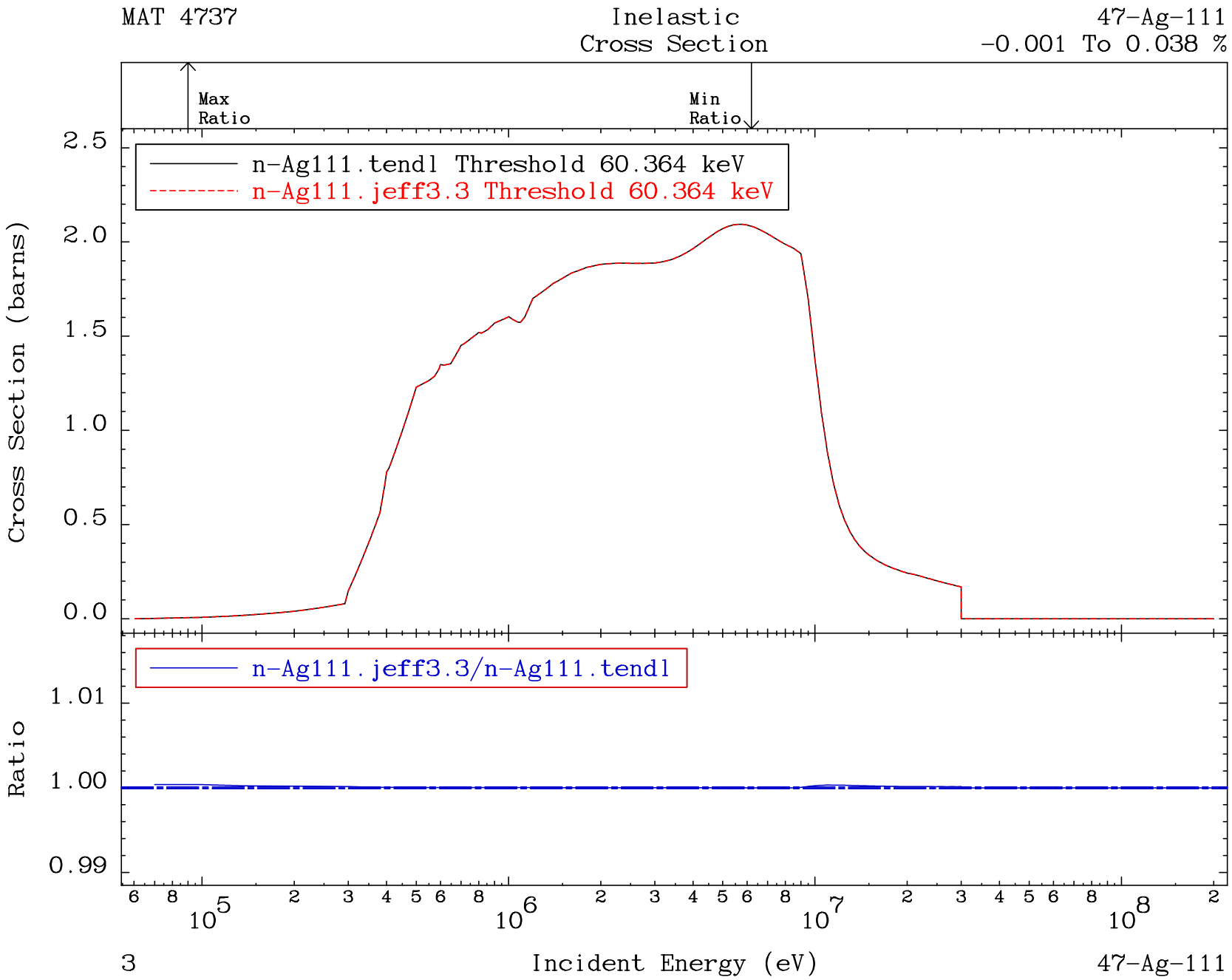
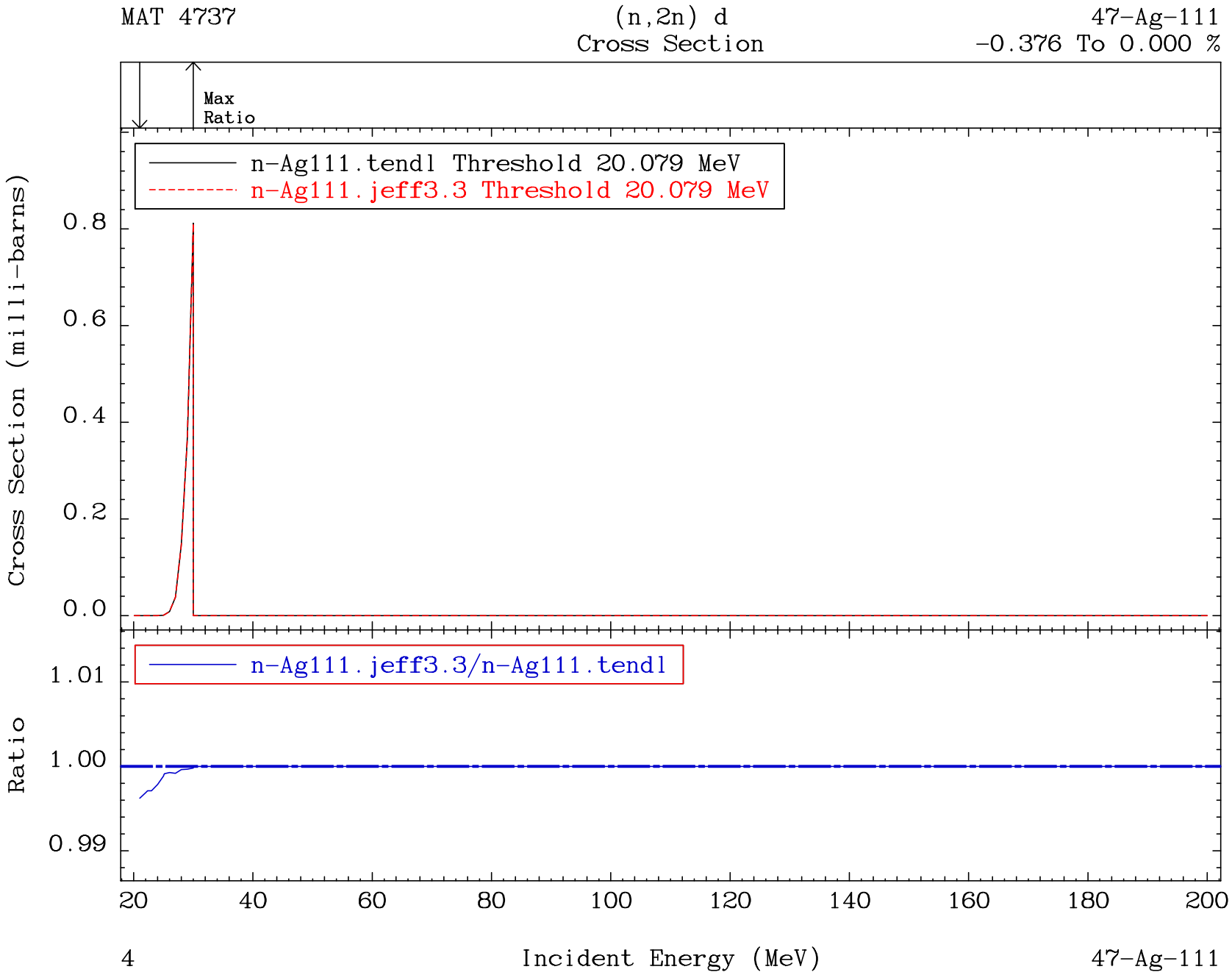
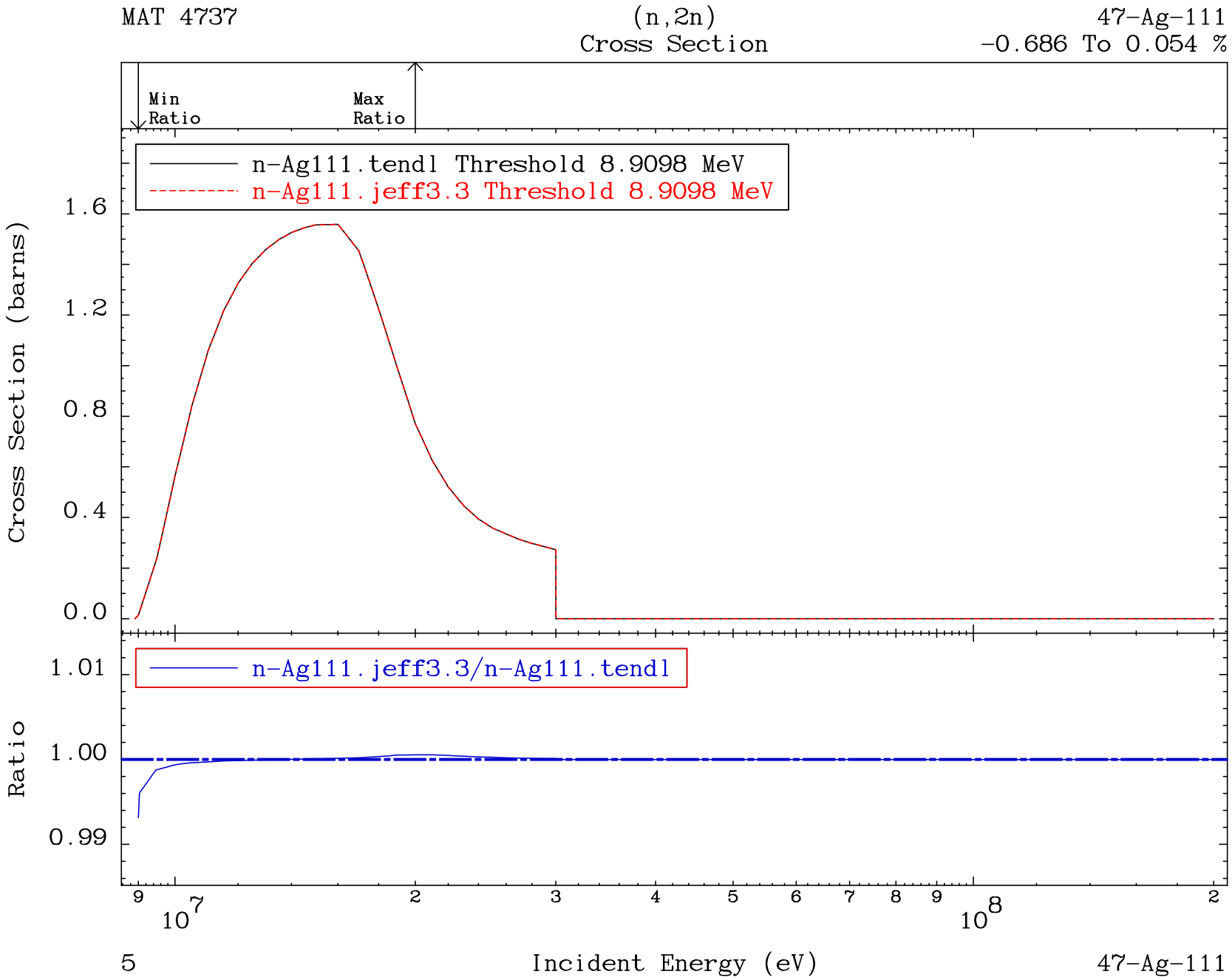
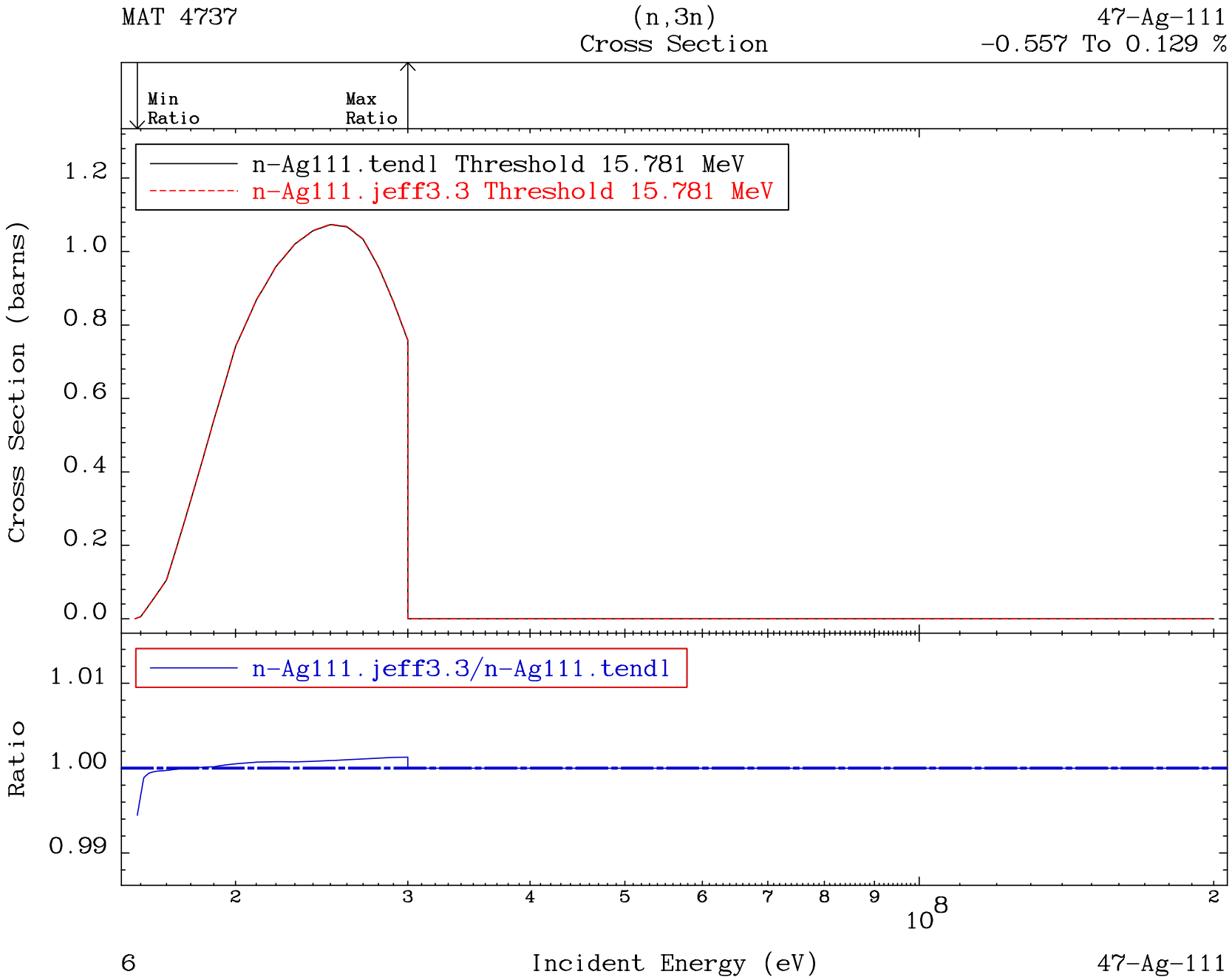

MAT 4737
Total
Cross Section
47-Ag-111
-99.80 To 6359. %
Min
Ratio
Max
Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
1
47-Ag-111

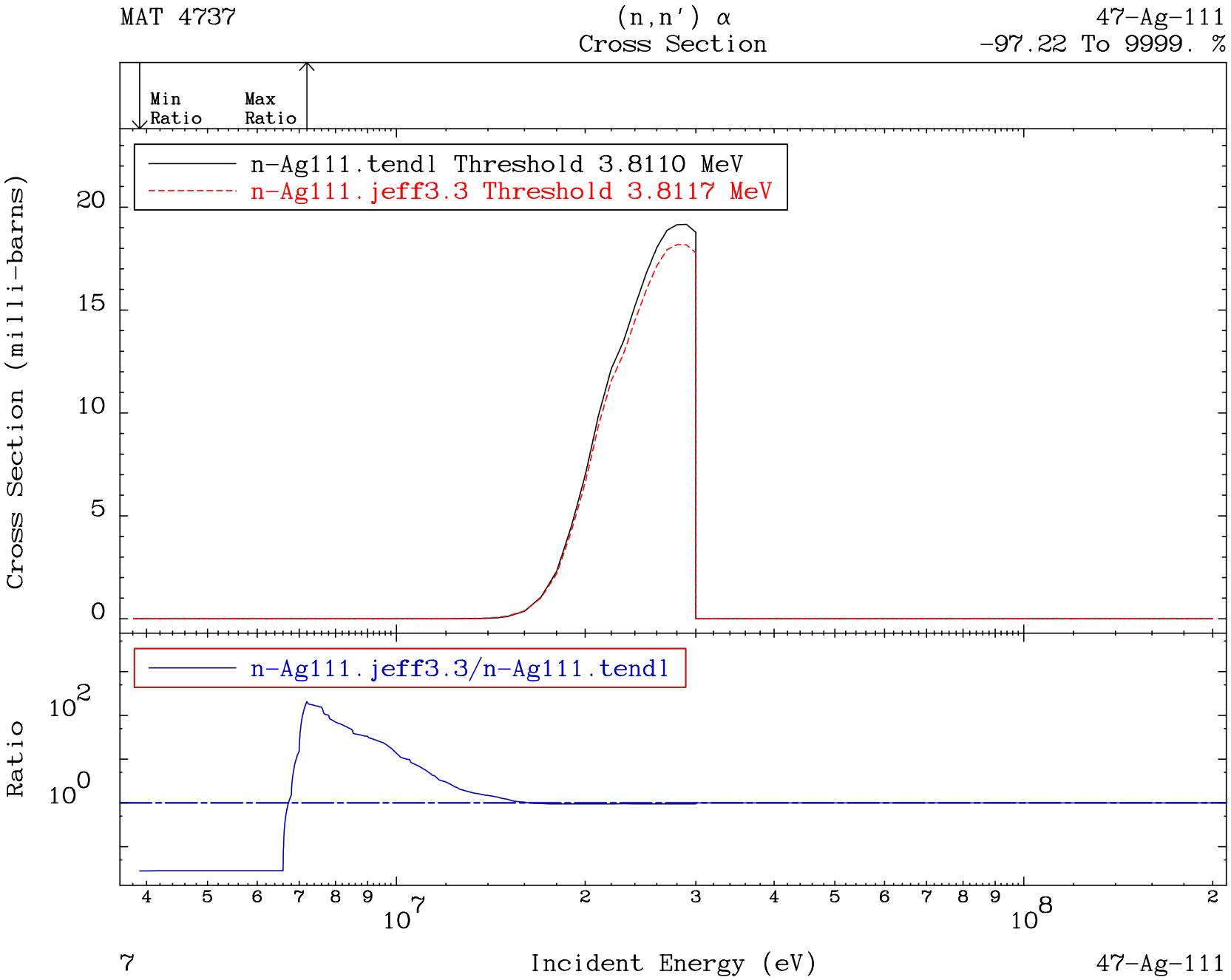

MAT 4737
Elastic
Cross Section
47-Ag-111
-99.21 To 774.1 %
Min
Ratio
Max
Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
2
47-Ag-111

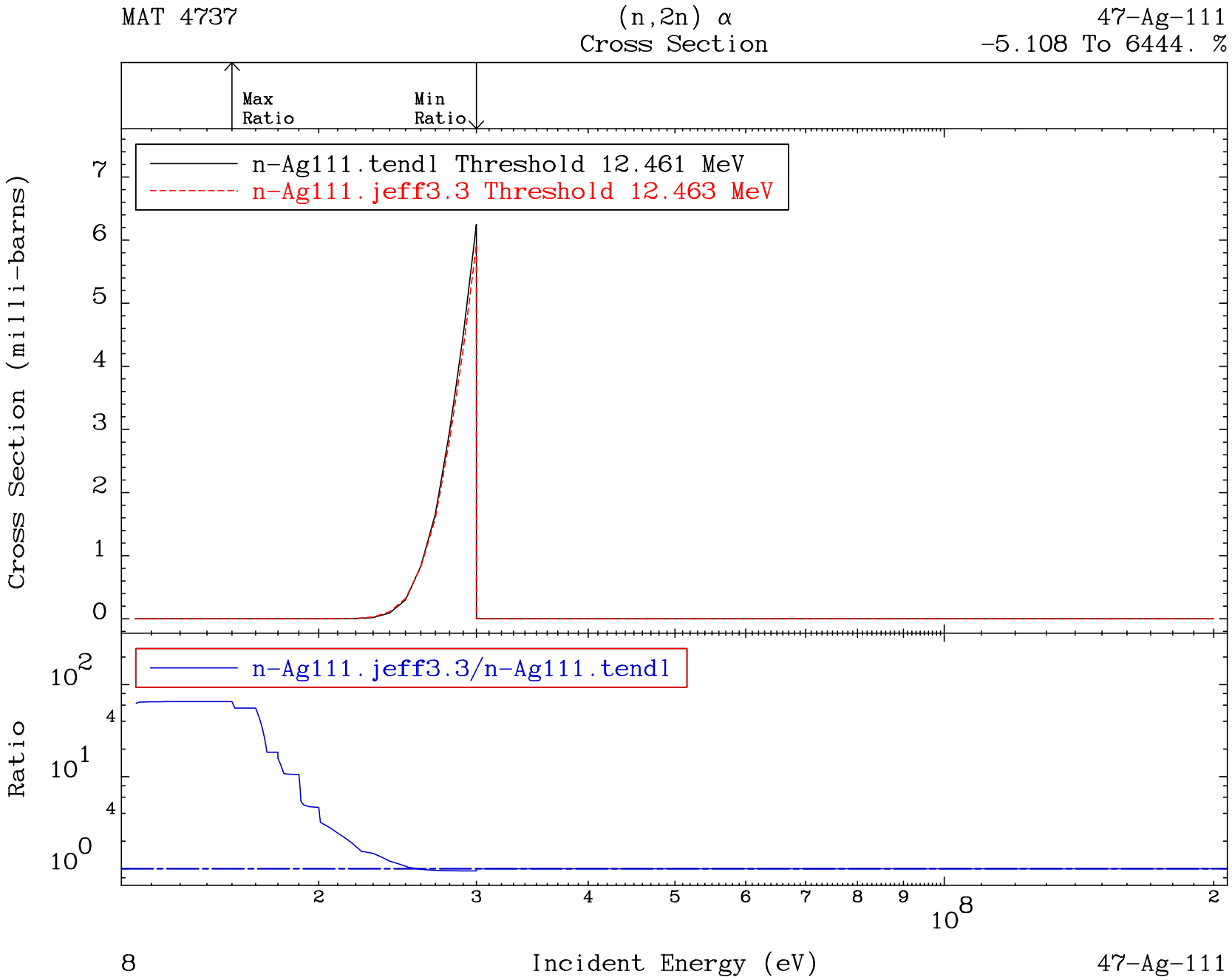

MAT 4737
Inelastic
Cross Section
47-Ag-111
-0.001 To 0.038 %
Max
Ratio
Min
Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jeff3.3 Threshold 60.364 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
47-Ag-111

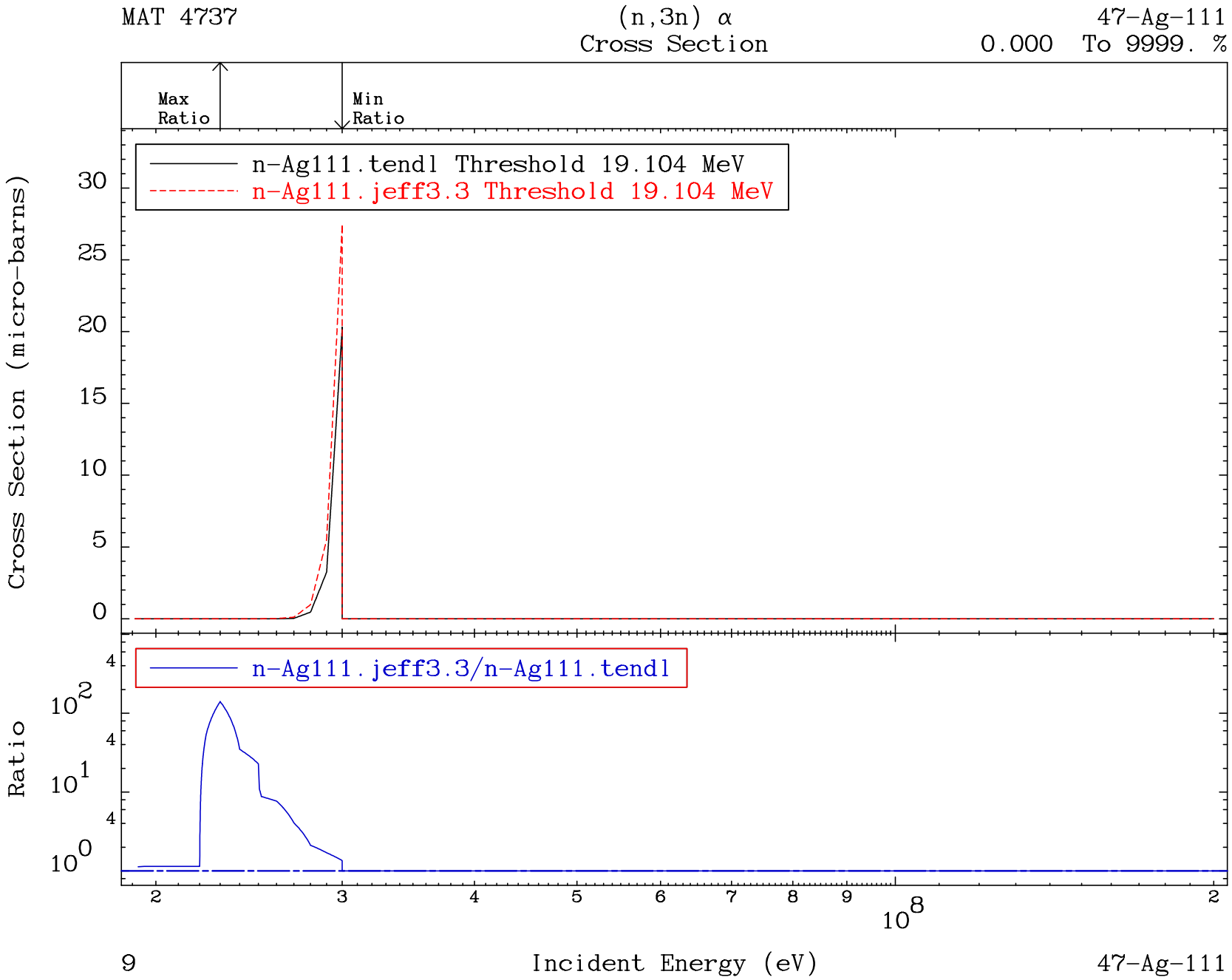

MAT 4737
(n,2n) d
Cross Section
47-Ag-111
-0.376 To 0.000 %
Max
Ratio
n-Ag111.tendl Threshold 20.079 MeV
n-Ag111.jeff3.3 Threshold 20.079 MeV
Cross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
47-Ag-111

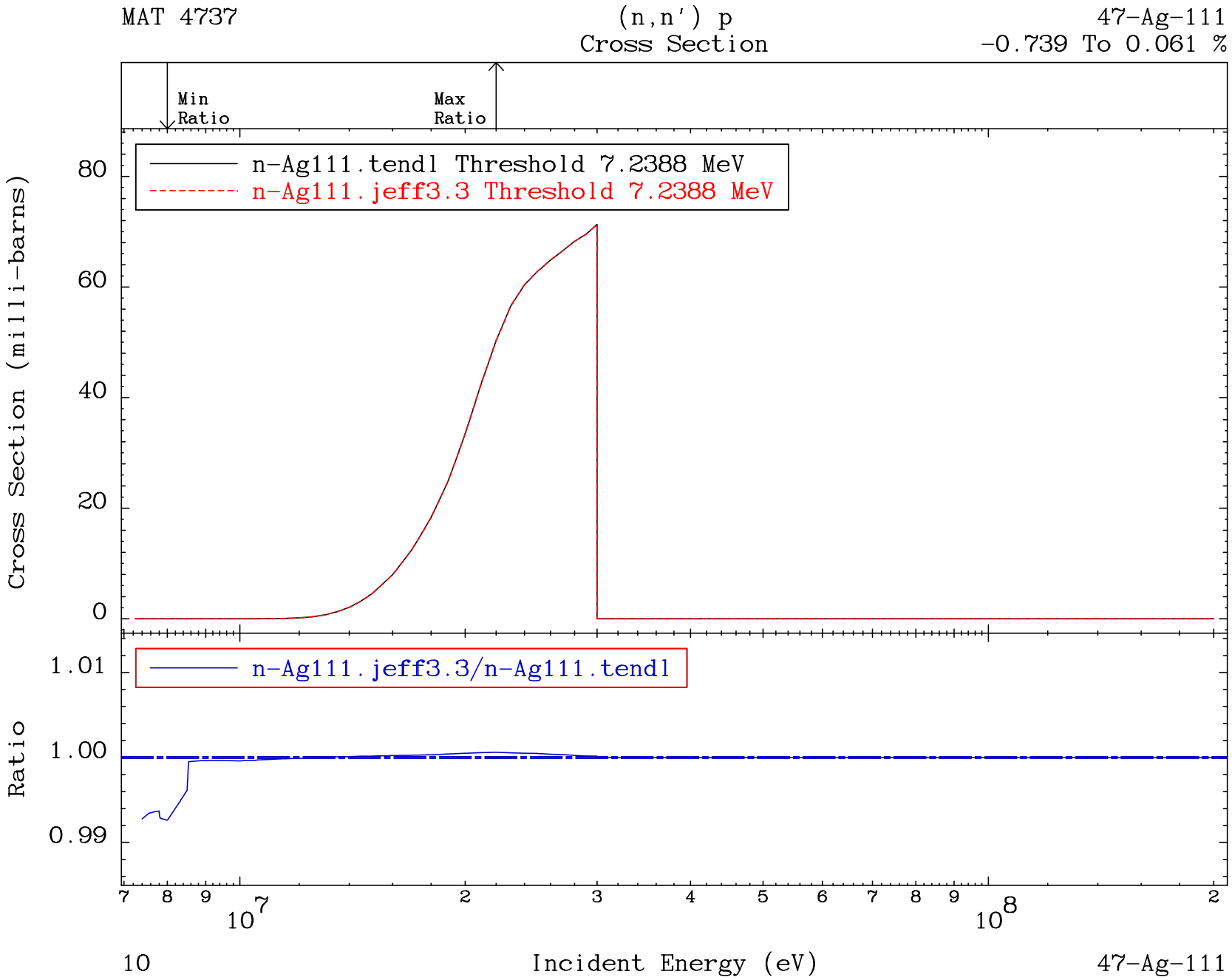

MAT 4737
(n,2n)
Cross Section
47-Ag-111
-0.686 To 0.054 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 8.9098 MeV
n-Ag111.jeff3.3 Threshold 8.9098 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
47-Ag-111

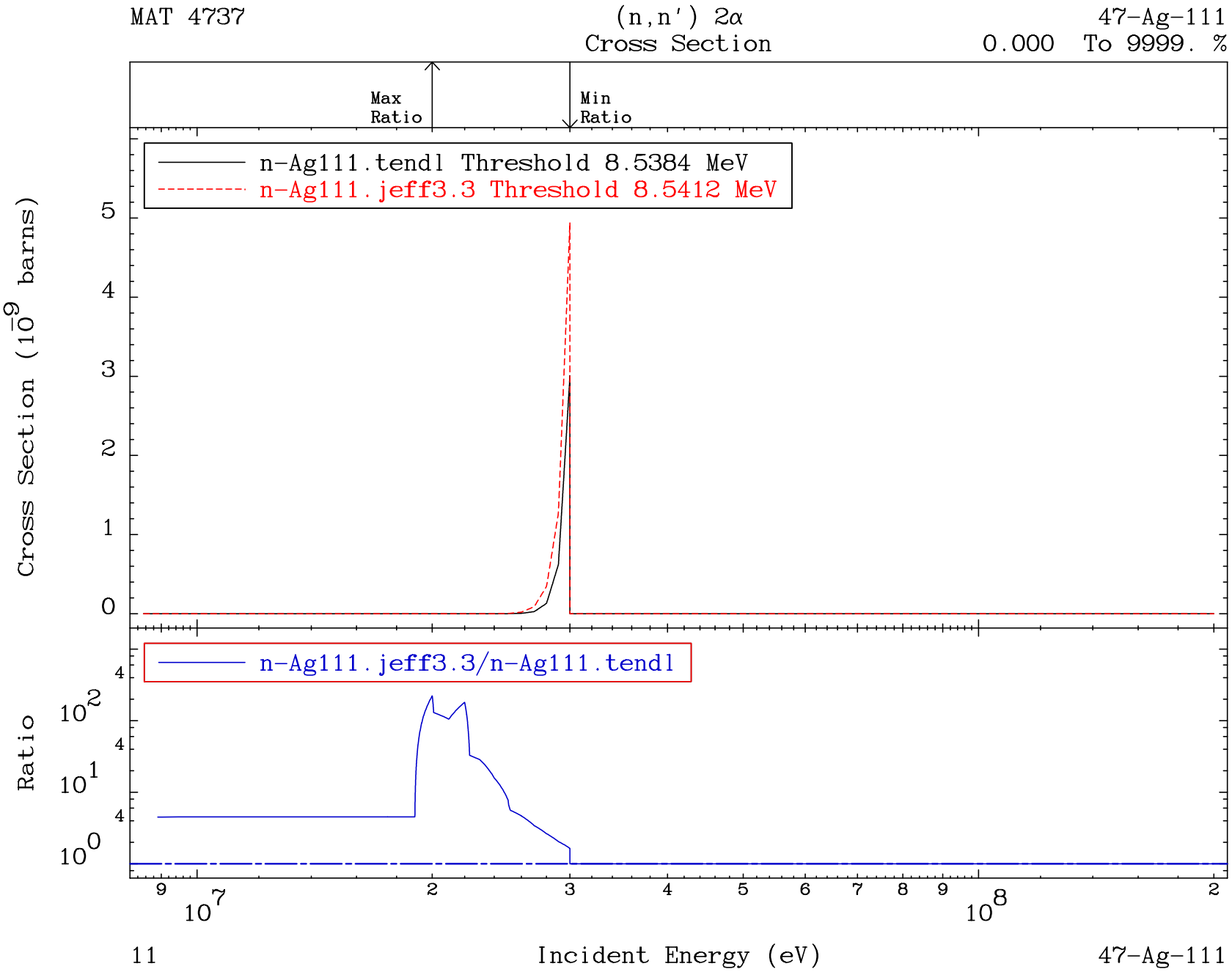

MAT 4737
(n,3n)
Cross Section
47-Ag-111
-0.557 To 0.129 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.781 MeV
n-Ag111.jeff3.3 Threshold 15.781 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
47-Ag-111

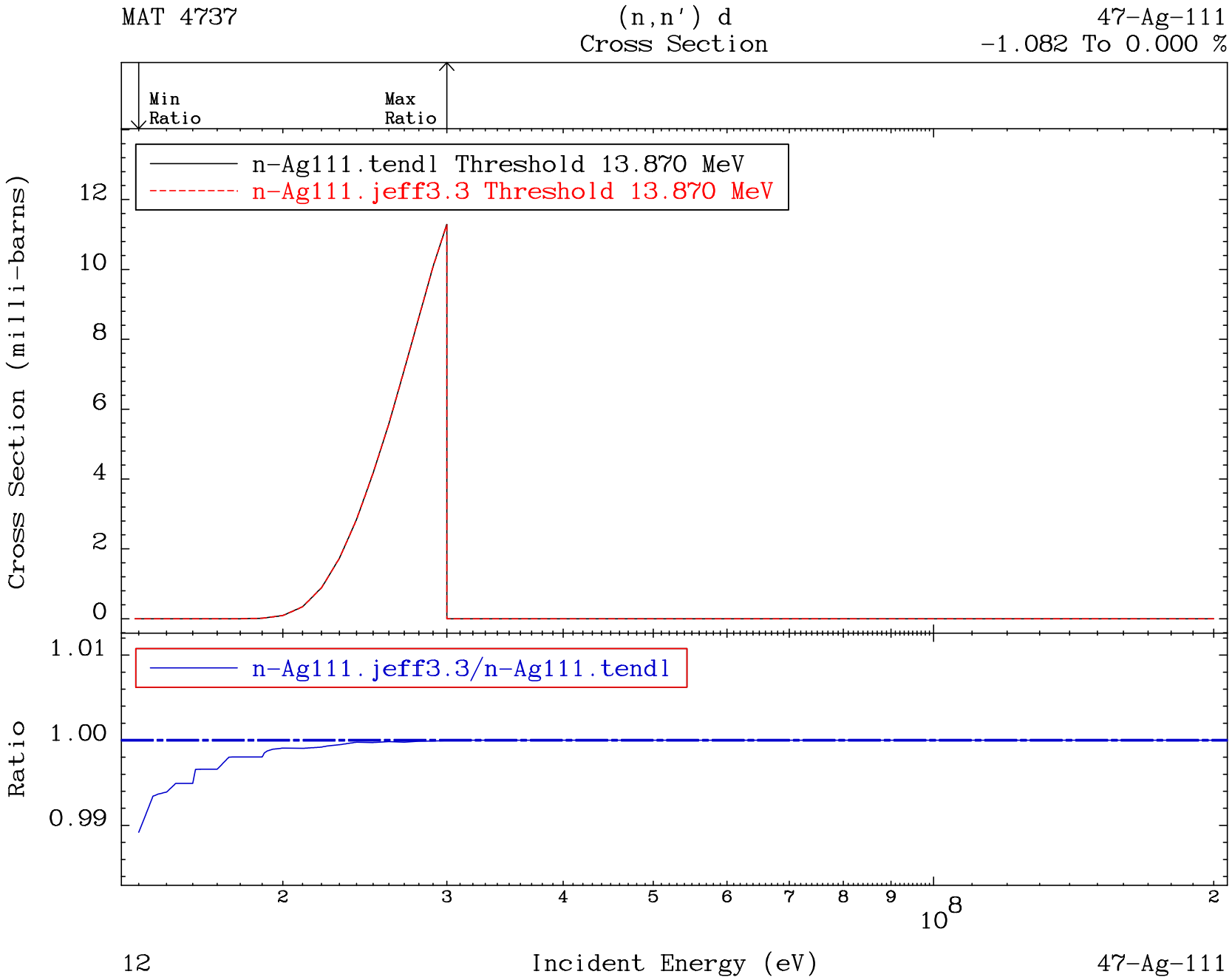

MAT 4737
(n,n') α
Cross Section
47-Ag-111
-97.22 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 3.8110 MeV
n-Ag111.jeff3.3 Threshold 3.8117 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
47-Ag-111

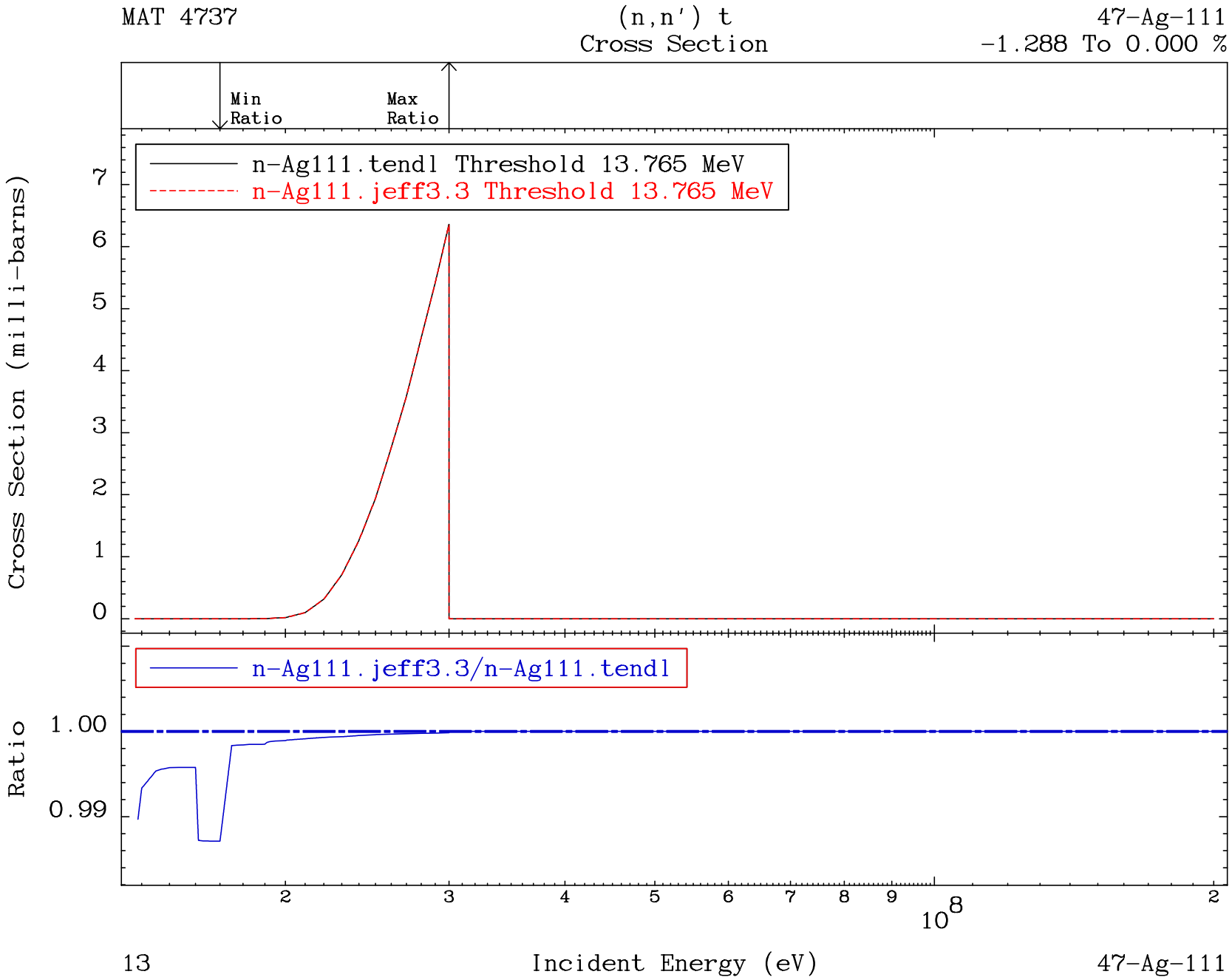

MAT 4737
(n,2n) α
Cross Section
47-Ag-111
-5.108 To 6444. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 12.461 MeV
n-Ag111.jeff3.3 Threshold 12.463 MeV
Cross Section (milli-barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
8
47-Ag-111

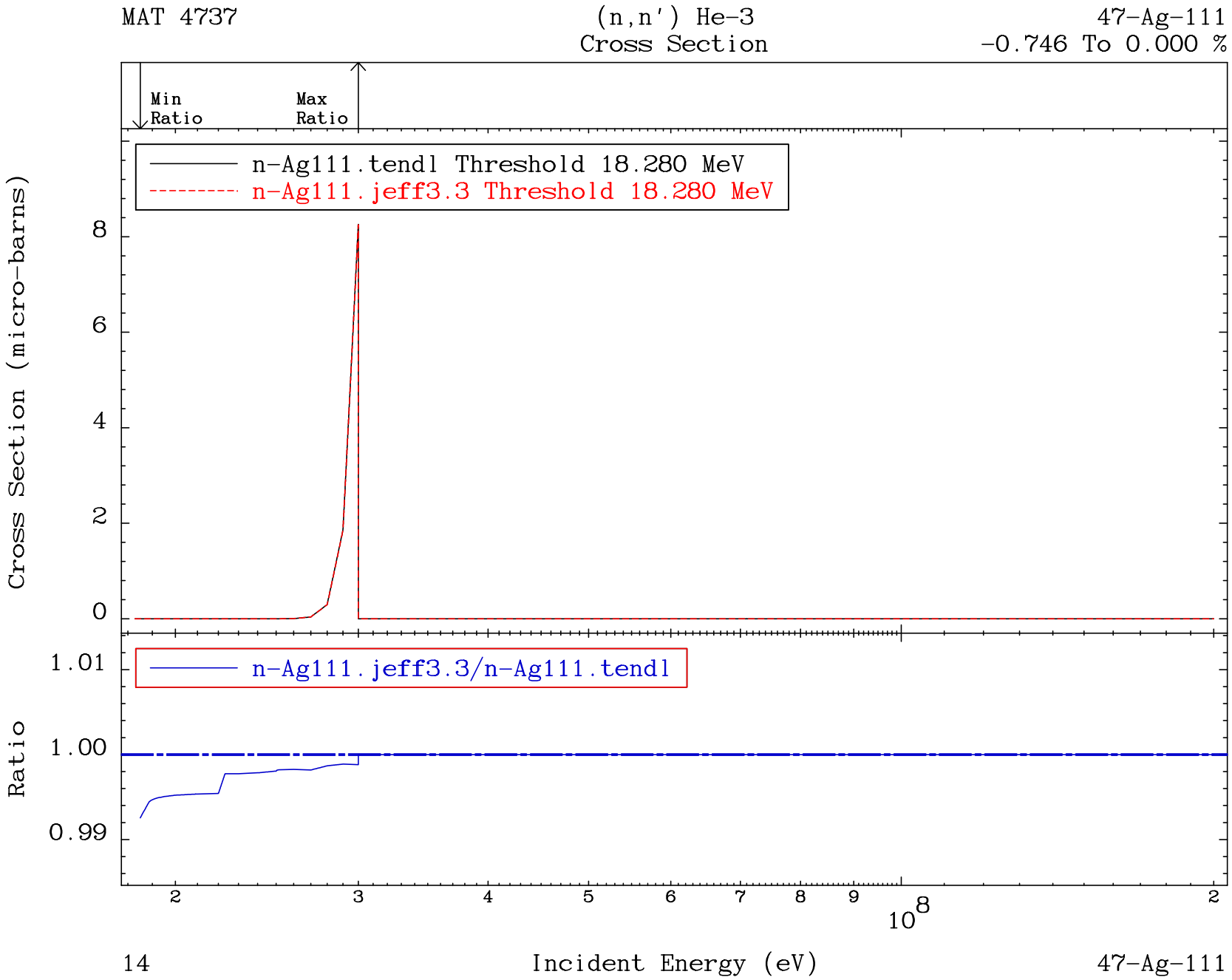

MAT 4737
(n,3n) α
Cross Section
47-Ag-111
0.000 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 19.104 MeV
n-Ag111.jeff3.3 Threshold 19.104 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
47-Ag-111

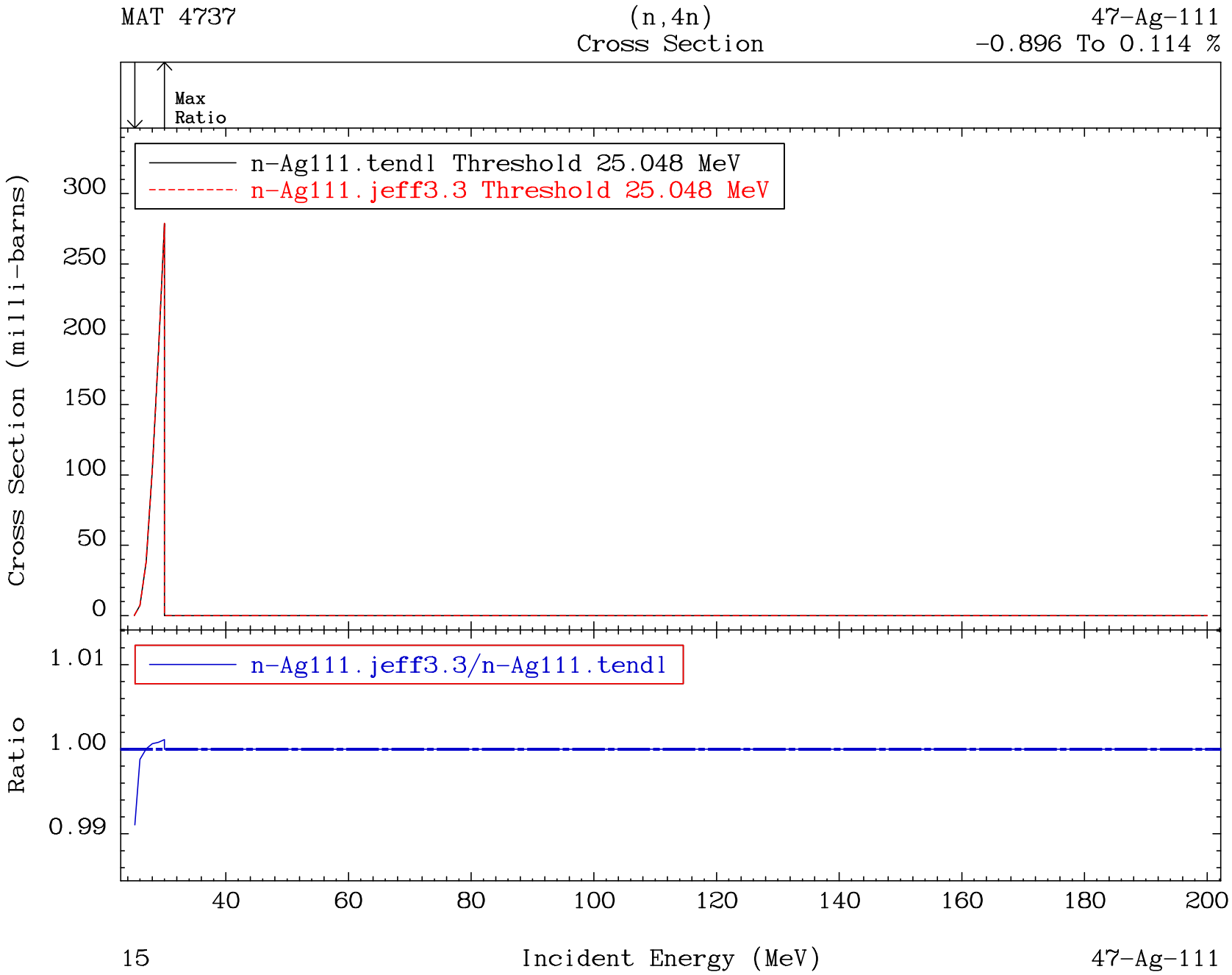

MAT 4737
(n,n') p
Cross Section
47-Ag-111
-0.739 To 0.061 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 7.2388 MeV
n-Ag111.jeff3.3 Threshold 7.2388 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
47-Ag-111

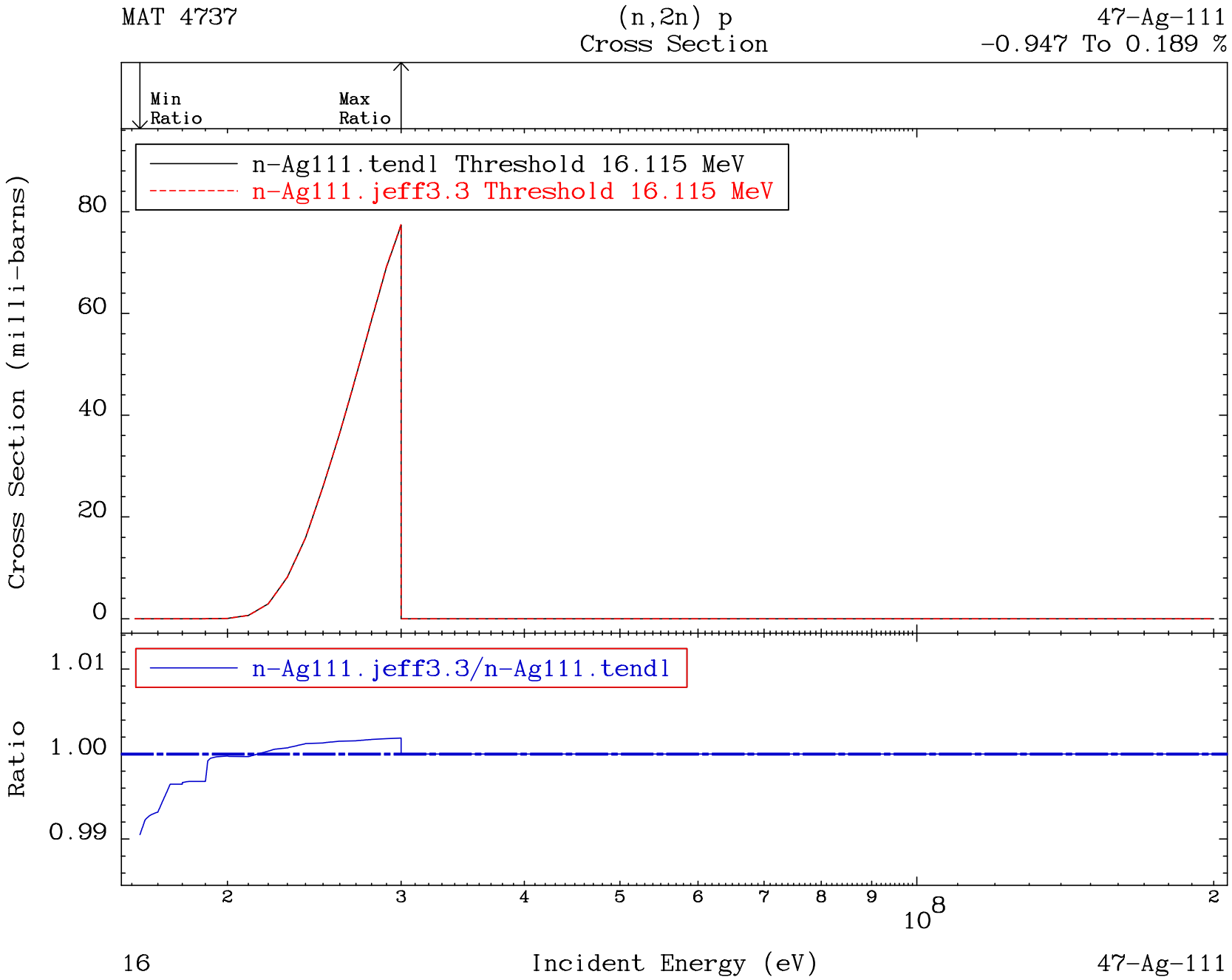

MAT 4737
(n,n') 2α
Cross Section
47-Ag-111
0.000 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 8.5384 MeV
n-Ag111.jeff3.3 Threshold 8.5412 MeV
Cross Section (10^-9 barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
11
47-Ag-111

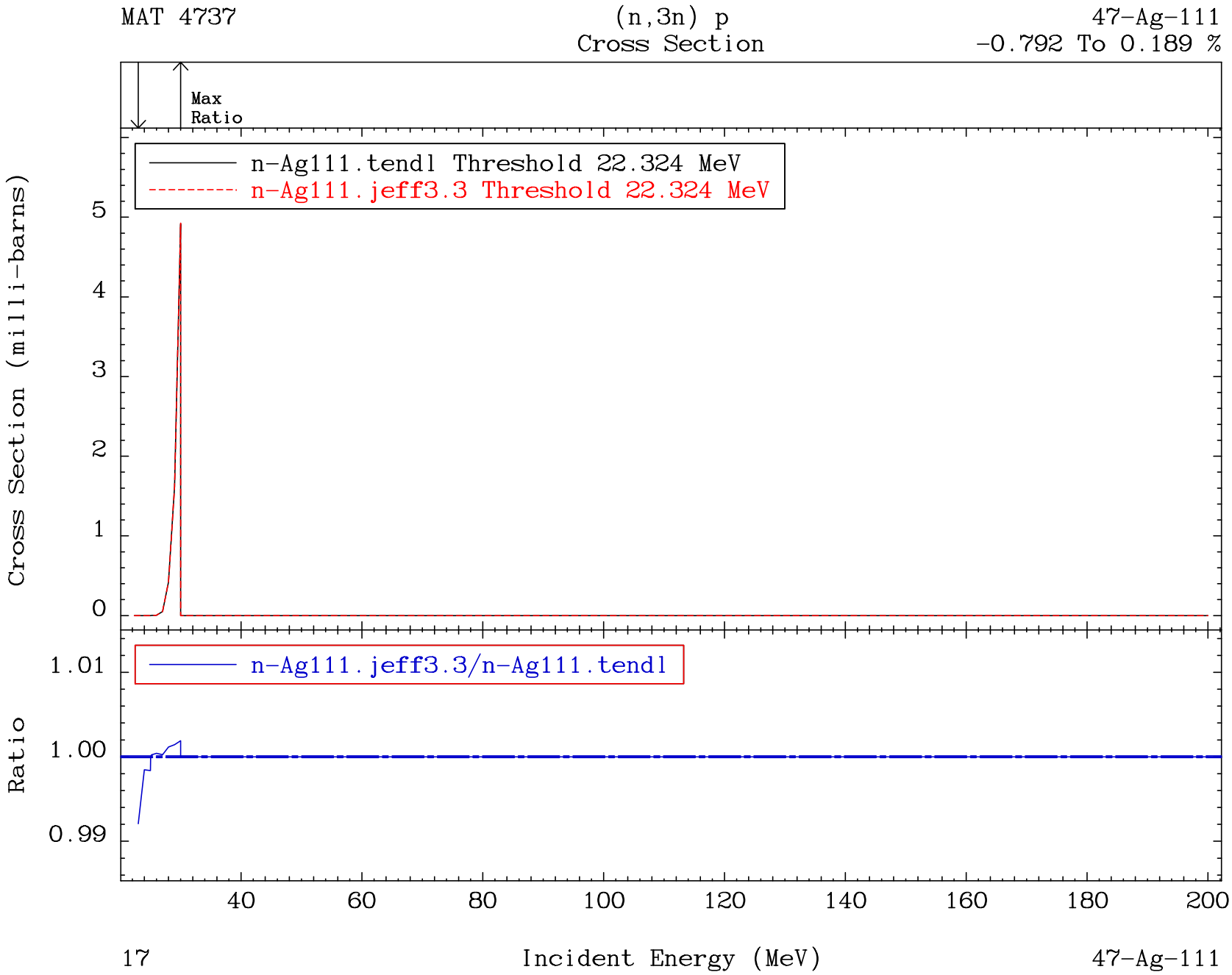

MAT 4737
(n,n') d
Cross Section
47-Ag-111
-1.082 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 13.870 MeV
n-Ag111.jeff3.3 Threshold 13.870 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
47-Ag-111

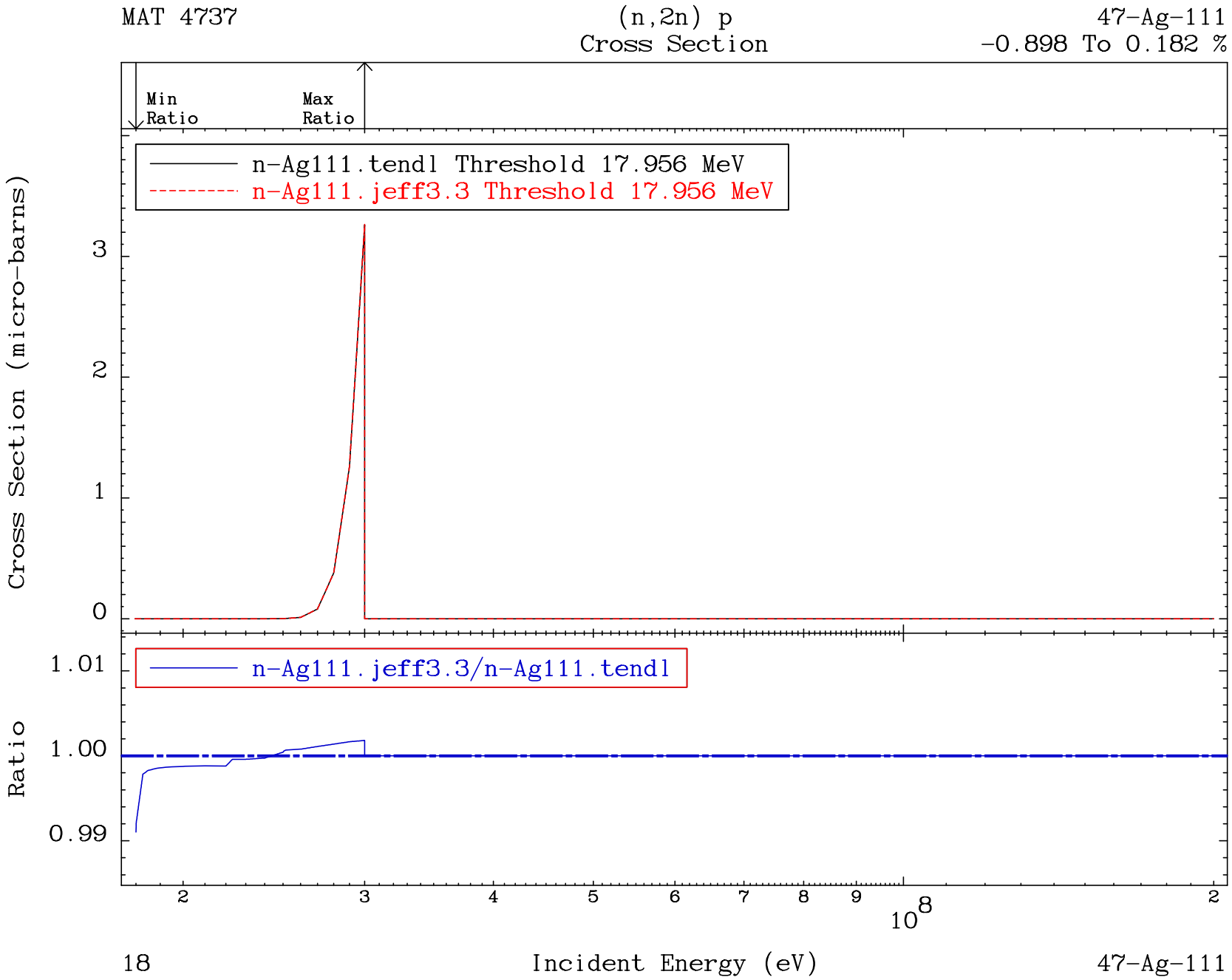

MAT 4737
(n,n') t
Cross Section
47-Ag-111
-1.288 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 13.765 MeV
n-Ag111.jeff3.3 Threshold 13.765 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
47-Ag-111

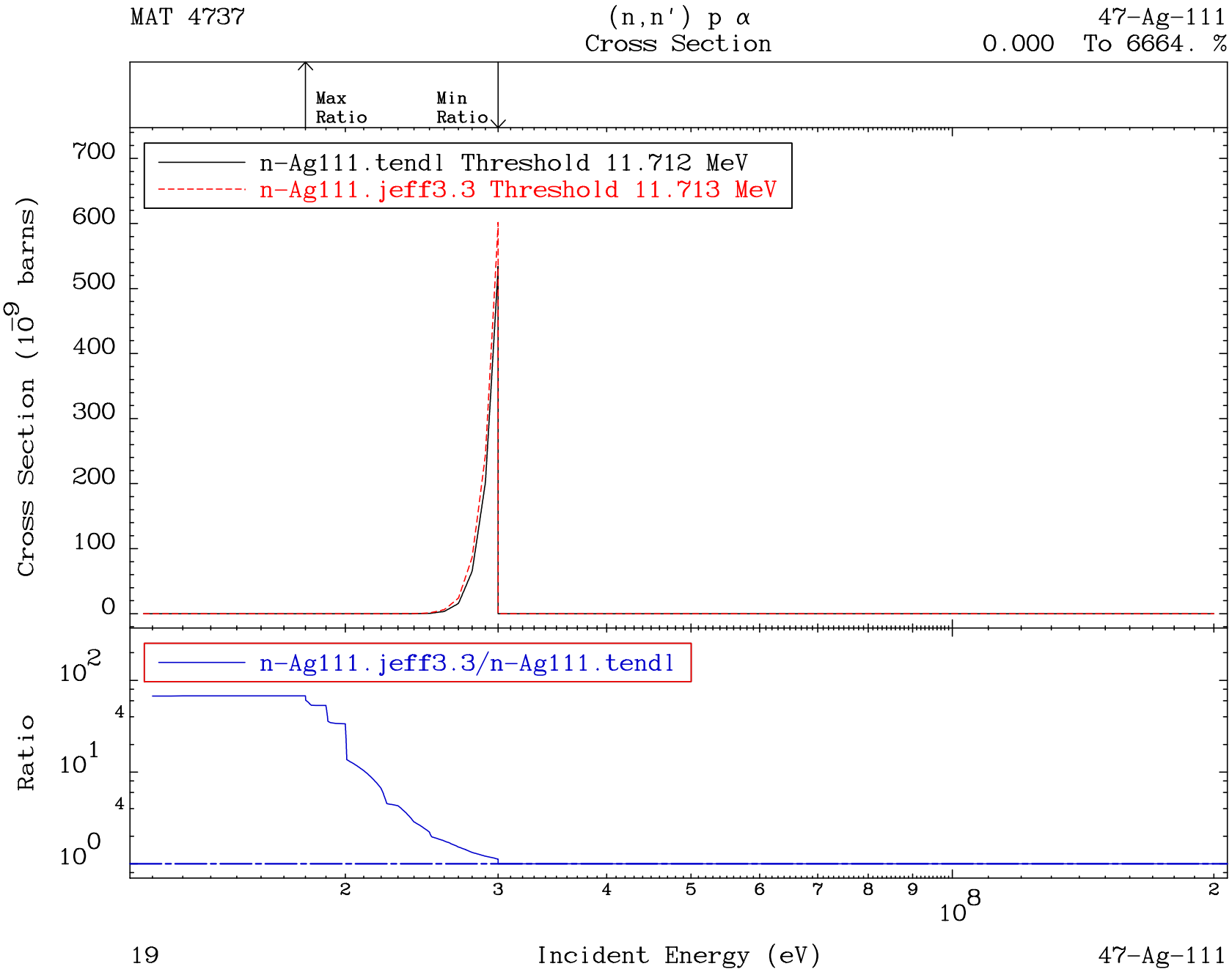

MAT 4737
(n,n') He-3
Cross Section
47-Ag-111
-0.746 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 18.280 MeV
n-Ag111.jeff3.3 Threshold 18.280 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
47-Ag-111

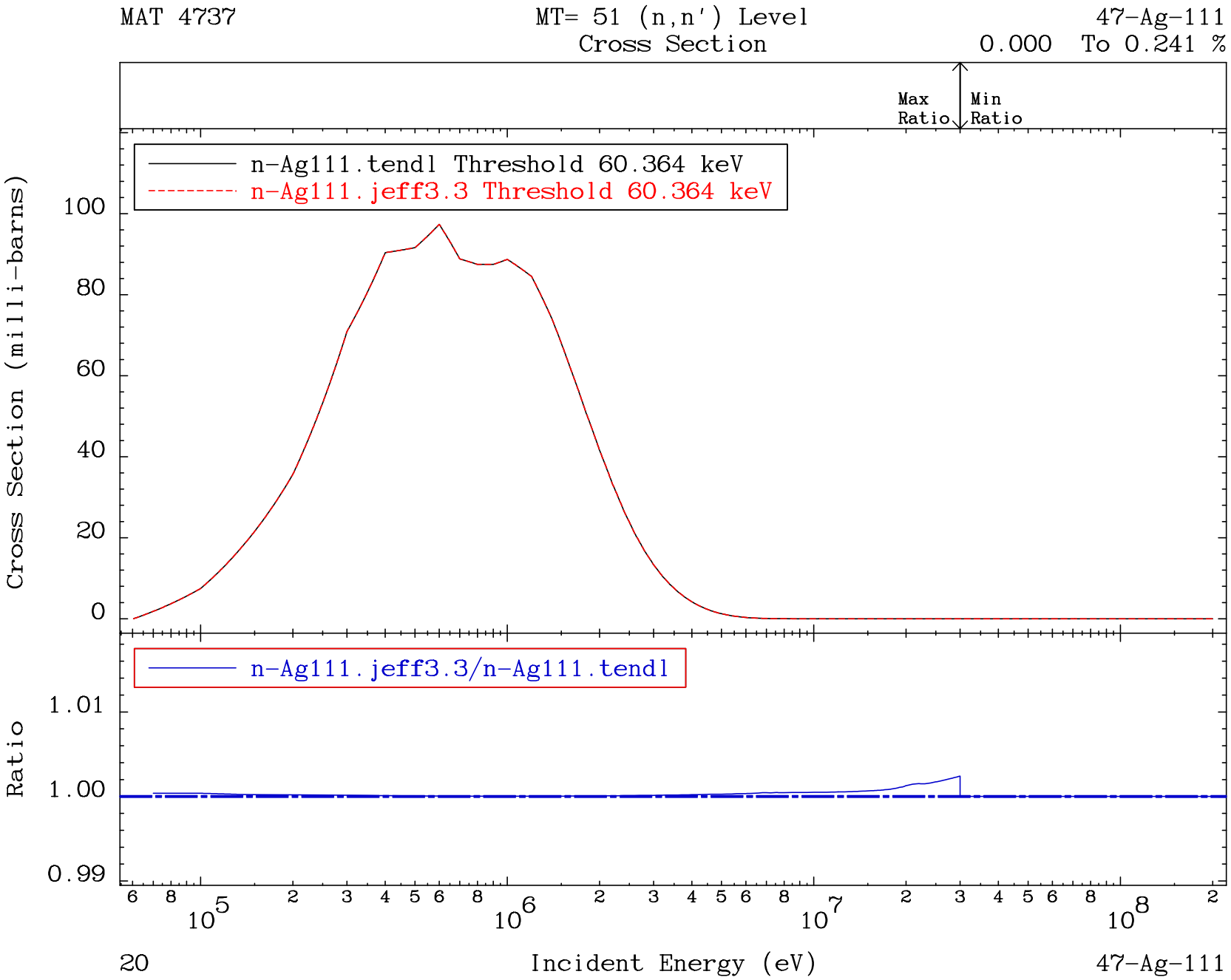

MAT 4737
(n,4n)
Cross Section
47-Ag-111
-0.896 To 0.114 %
Max
Ratio
n-Ag111.tendl Threshold 25.048 MeV
n-Ag111.jeff3.3 Threshold 25.048 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
47-Ag-111

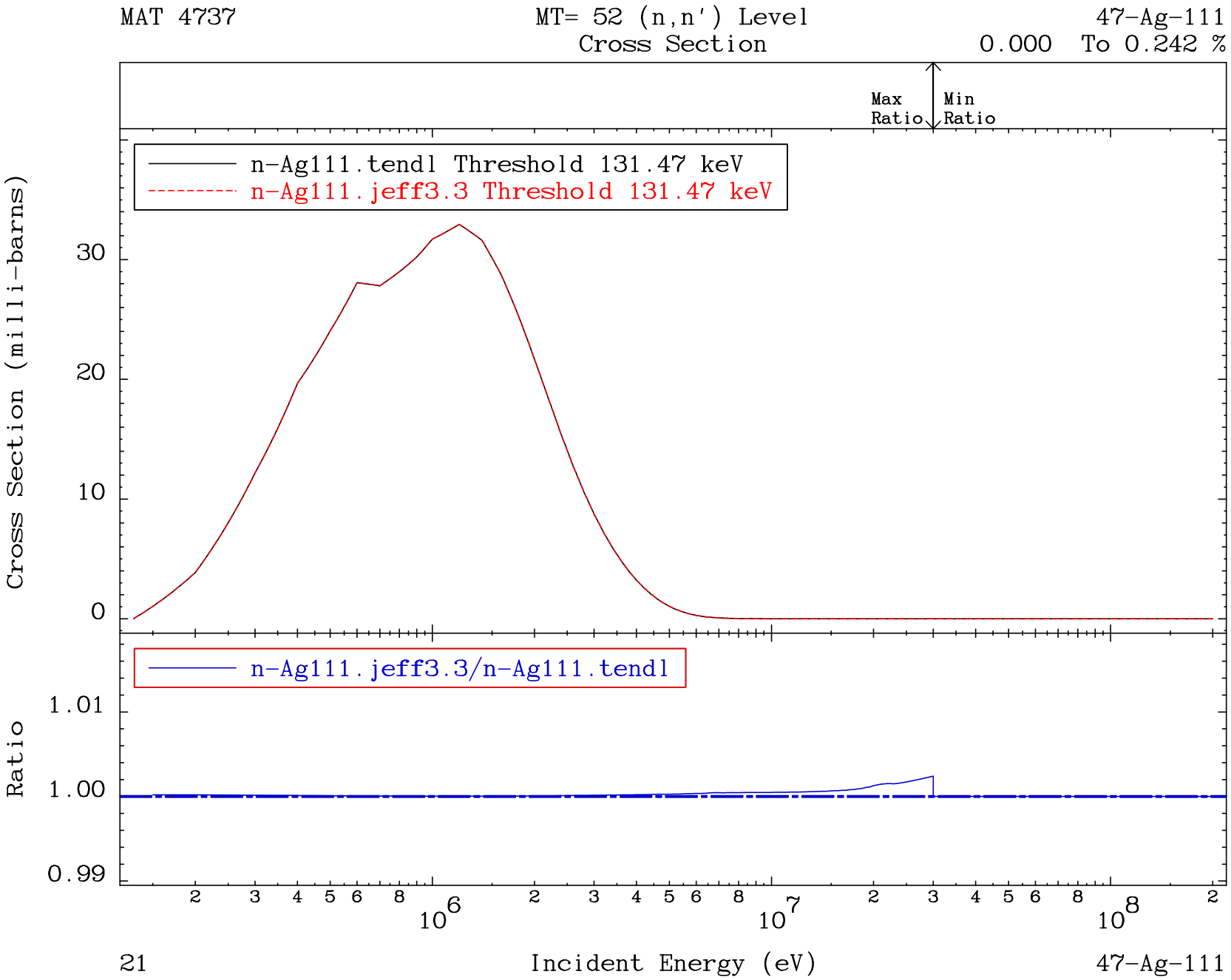

MAT 4737
(n,2n) p
Cross Section
47-Ag-111
-0.947 To 0.189 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 16.115 MeV
n-Ag111.jeff3.3 Threshold 16.115 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
47-Ag-111

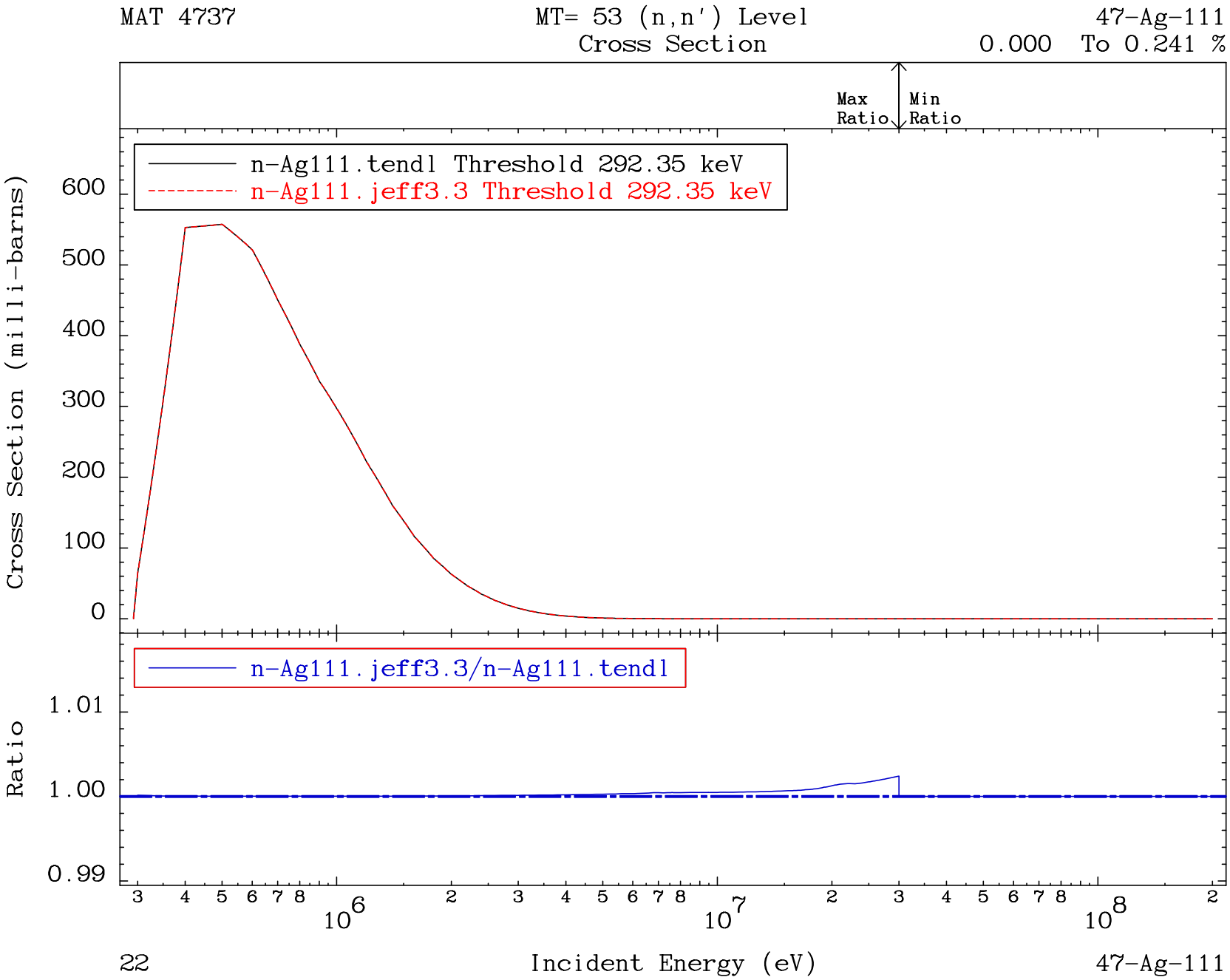

MAT 4737
(n,3n) p
Cross Section
47-Ag-111
-0.792 To 0.189 %
Max
Ratio
n-Ag111.tendl Threshold 22.324 MeV
n-Ag111.jeff3.3 Threshold 22.324 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
47-Ag-111

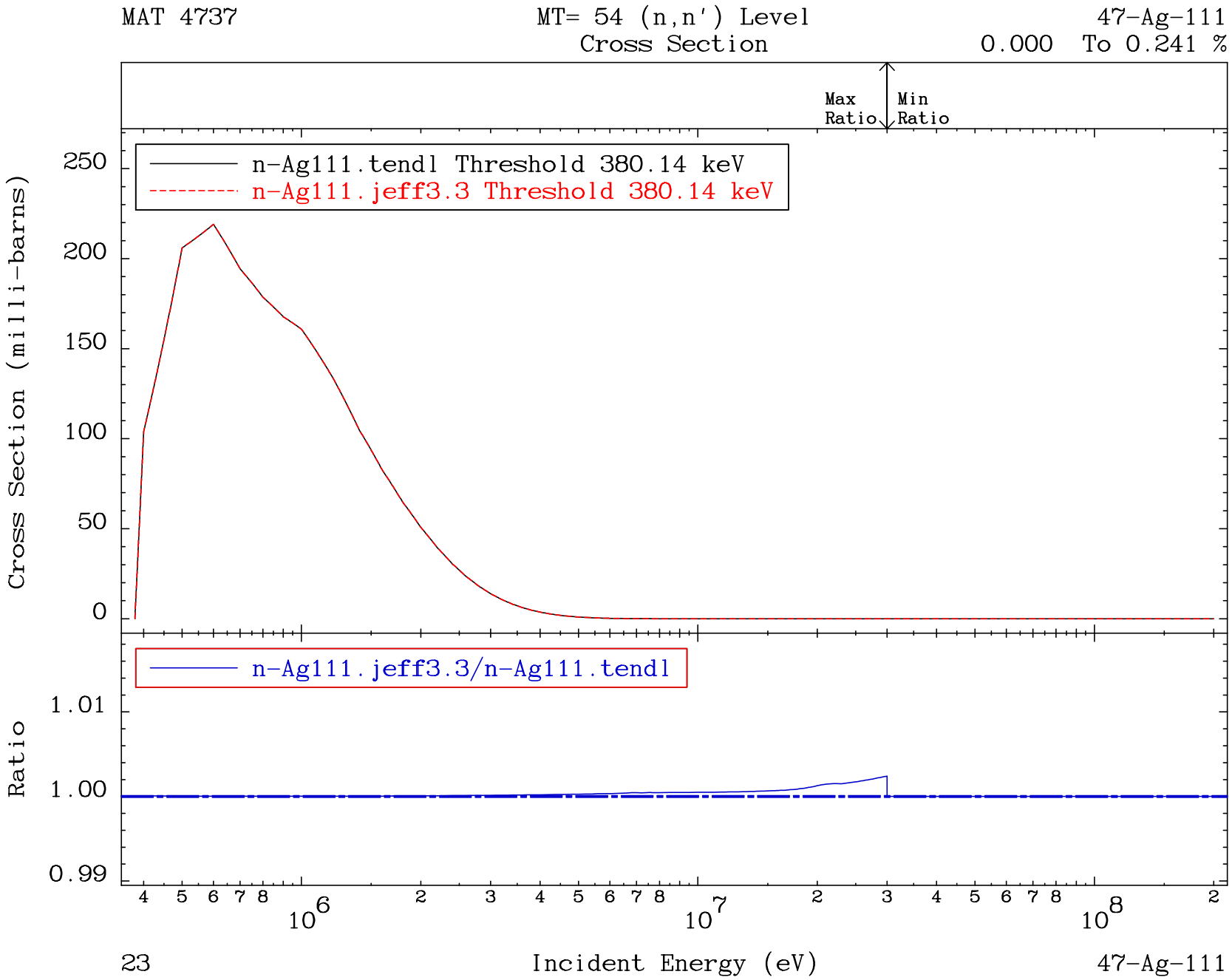

MAT 4737
(n,2n) p
Cross Section
47-Ag-111
-0.898 To 0.182 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 17.956 MeV
n-Ag111.jeff3.3 Threshold 17.956 MeV
Cross Section (micro-barns)
0
1
2
3
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
47-Ag-111

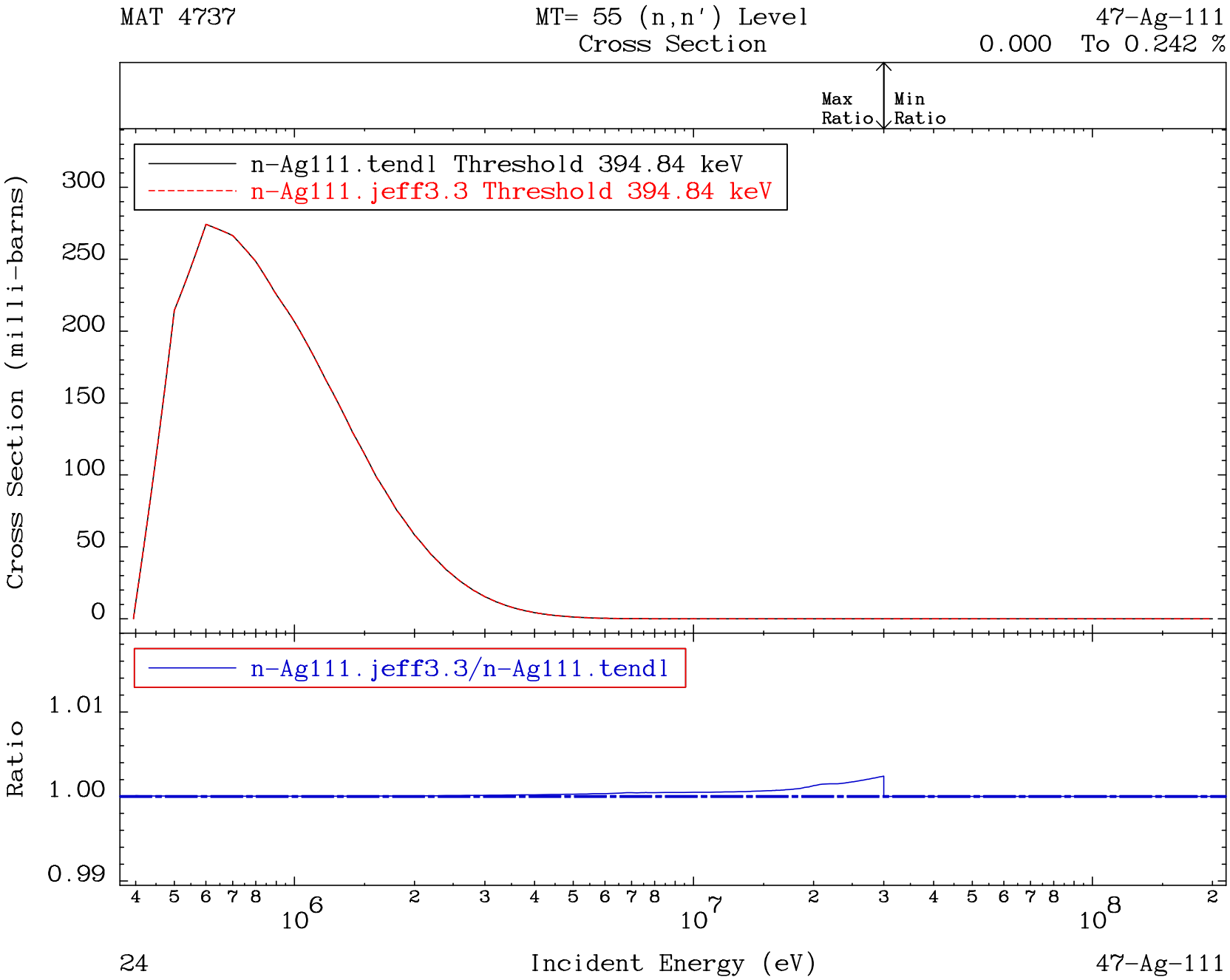

MAT 4737
(n,n') p α
Cross Section
47-Ag-111
0.000 To 6664. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 11.712 MeV
n-Ag111.jeff3.3 Threshold 11.713 MeV
Cross Section (10^-9 barns)
700
600
500
400
300
200
100
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
47-Ag-111

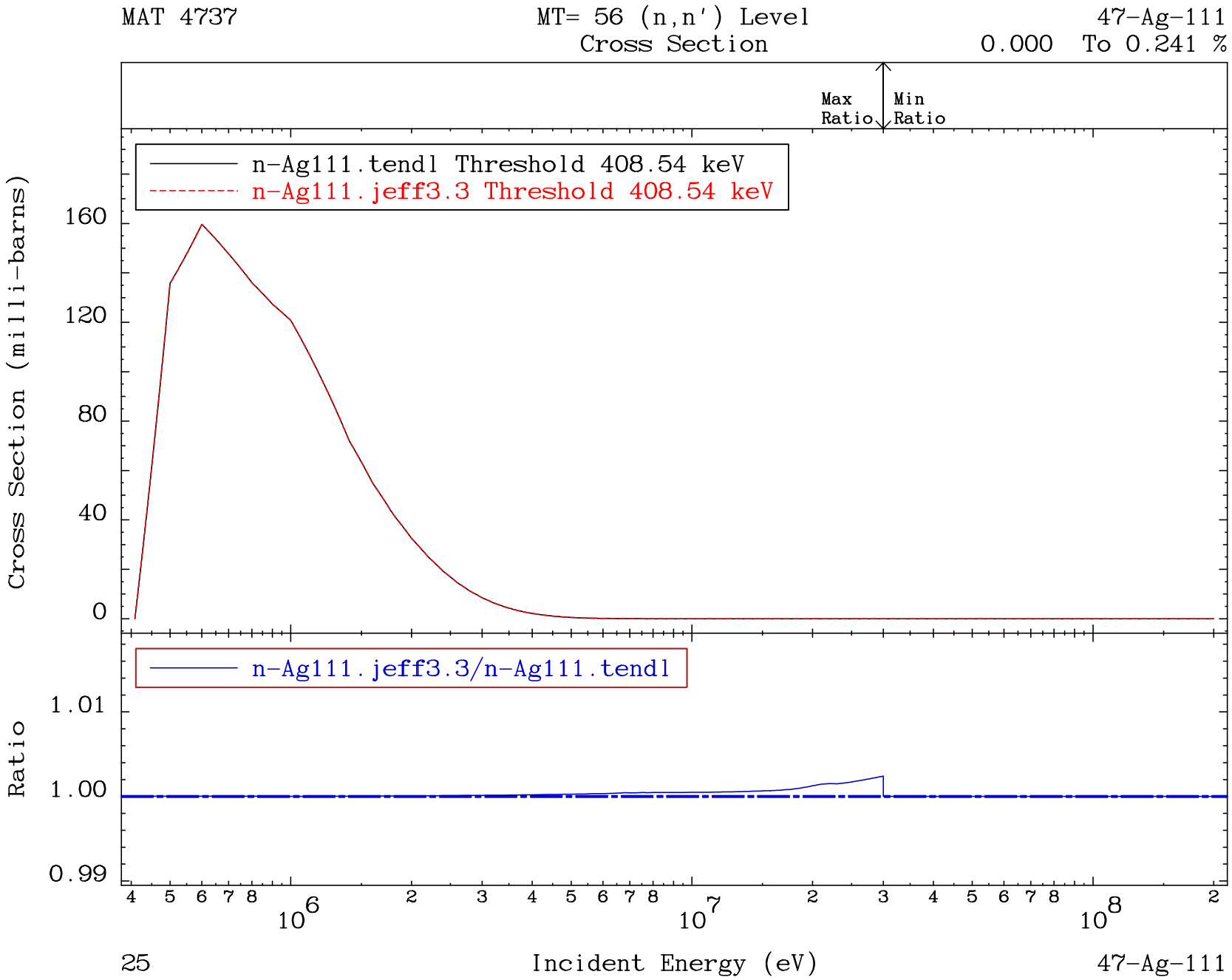

MAT 4737
MT= 51 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jeff3.3 Threshold 60.364 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
47-Ag-111

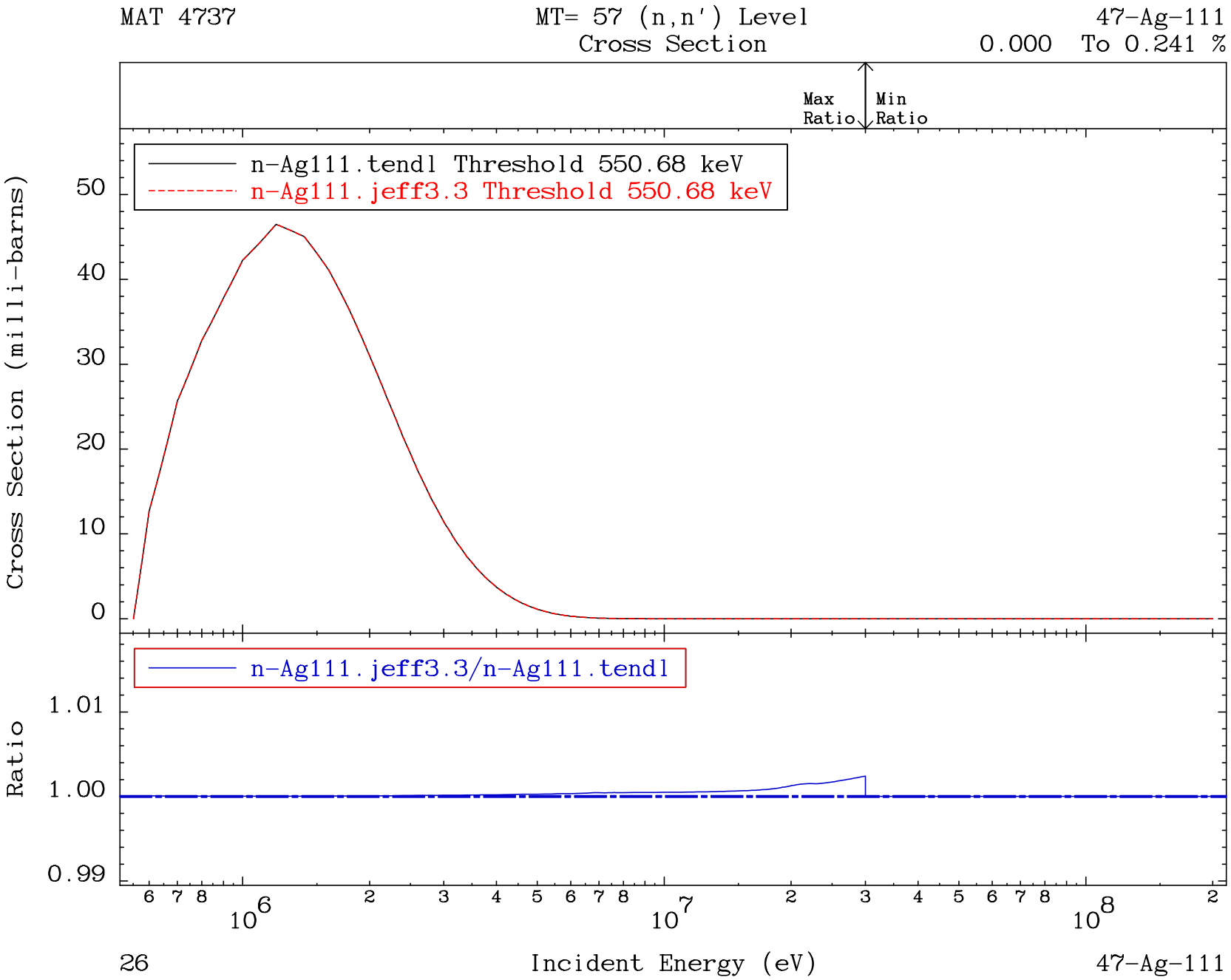

MAT 4737
MT= 52 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 131.47 keV
n-Ag111.jeff3.3 Threshold 131.47 keV
Cross Section (milli-barns)
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
47-Ag-111

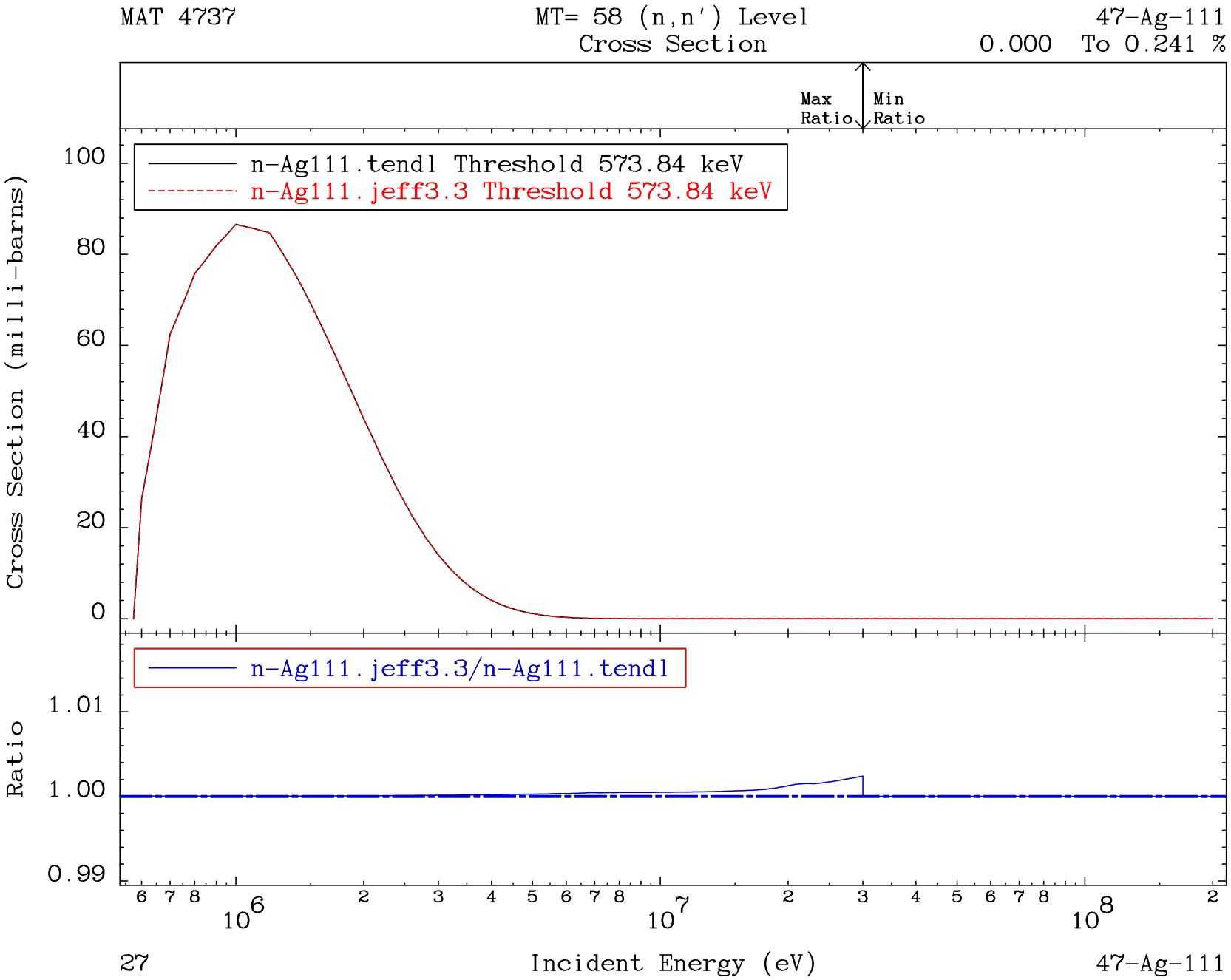

MAT 4737
MT= 53 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 292.35 keV
n-Ag111.jeff3.3 Threshold 292.35 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
47-Ag-111

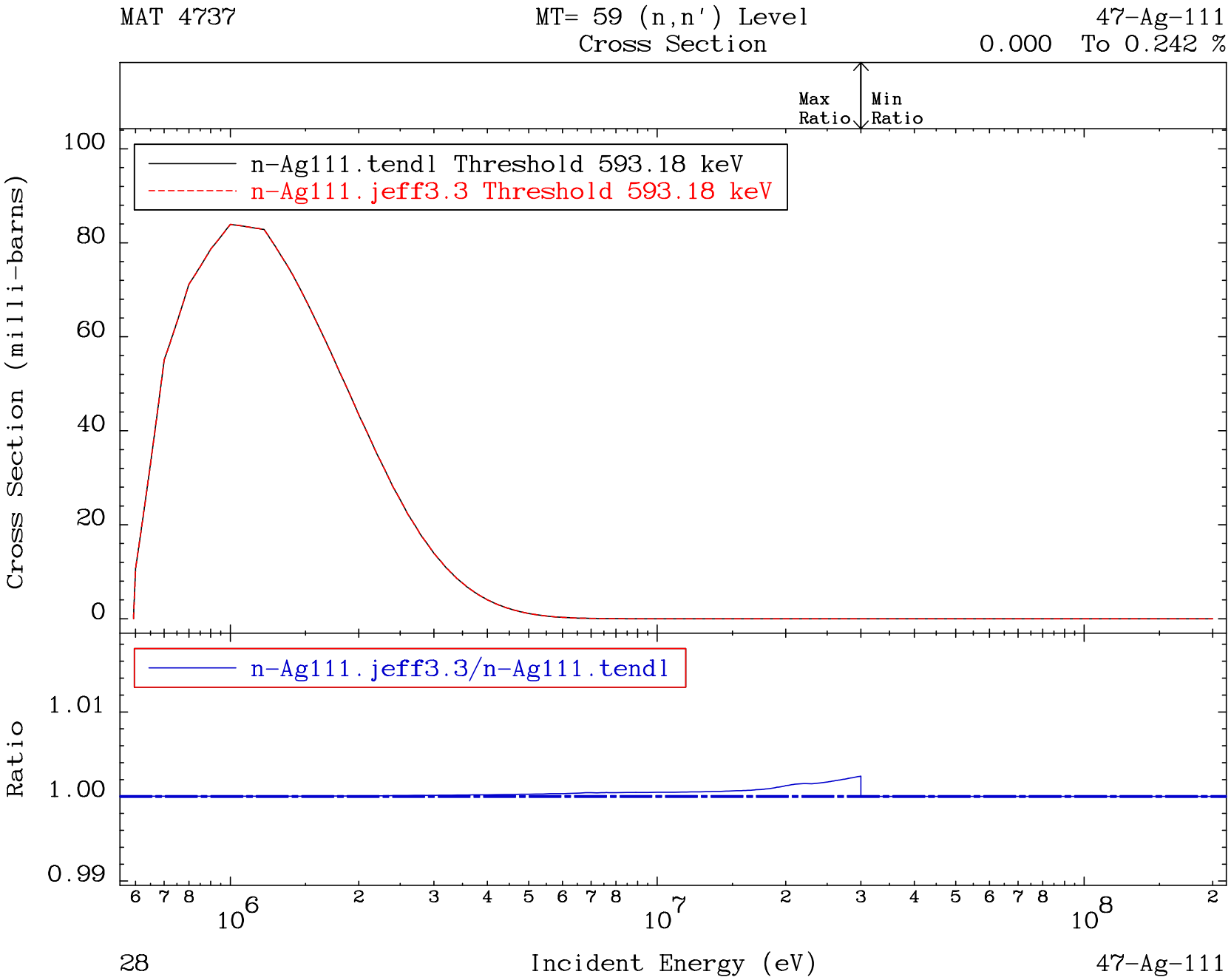

MAT 4737
MT= 54 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 380.14 keV
n-Ag111.jeff3.3 Threshold 380.14 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
47-Ag-111

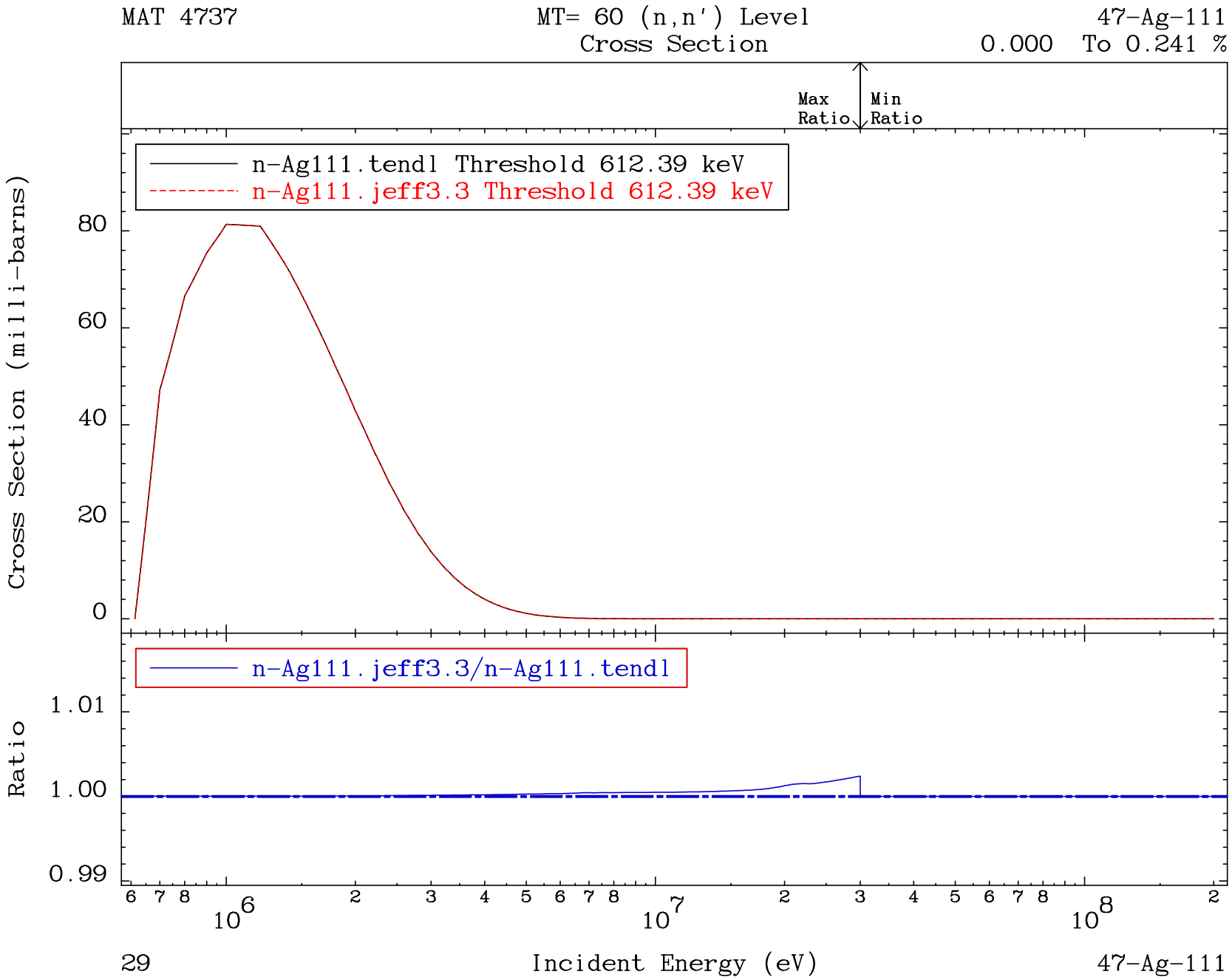

MAT 4737
MT= 55 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 394.84 keV
n-Ag111.jeff3.3 Threshold 394.84 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
47-Ag-111

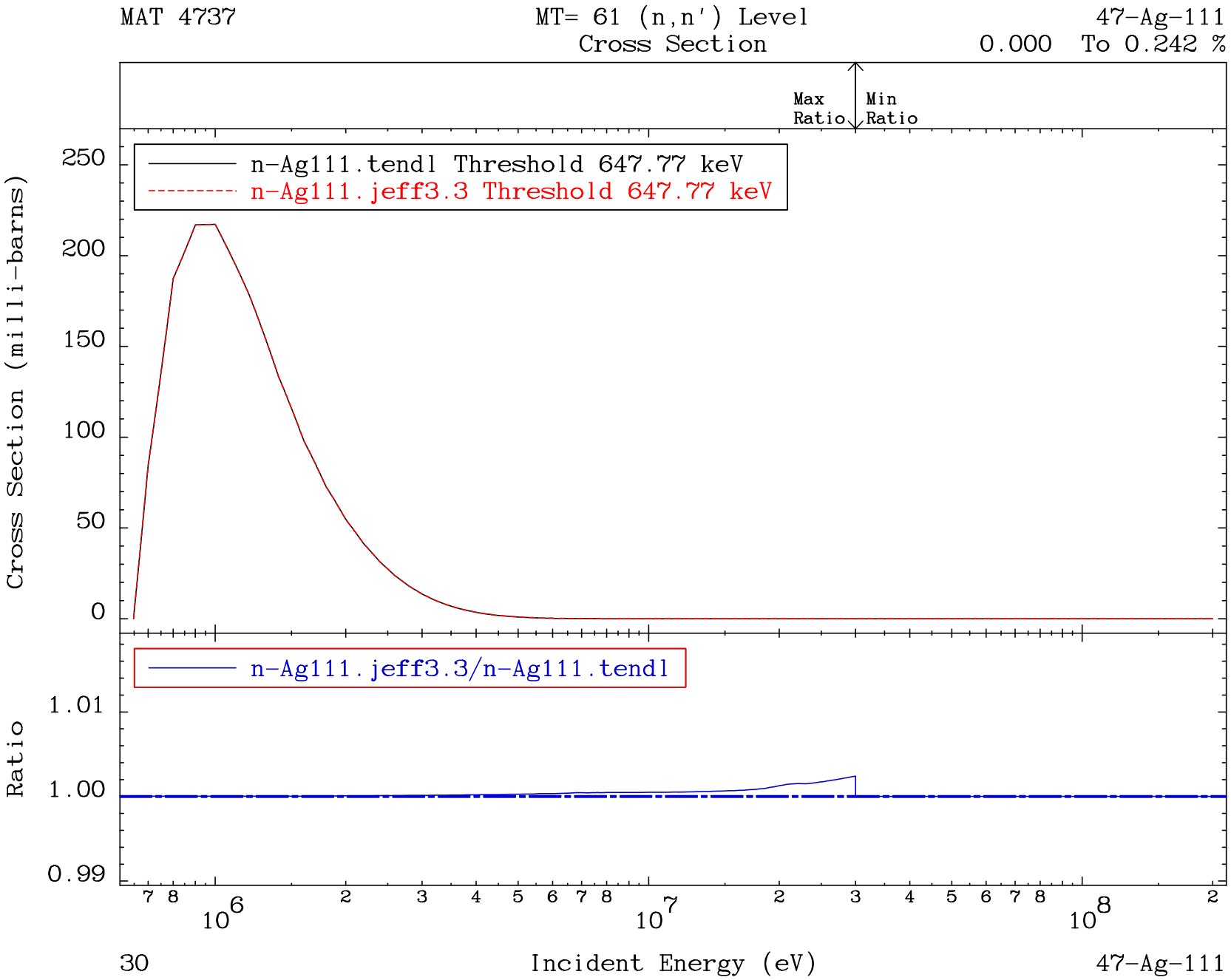

MAT 4737
MT= 56 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 408.54 keV
n-Ag111.jeff3.3 Threshold 408.54 keV
Cross Section (milli-barns)
160
120
80
40
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
47-Ag-111

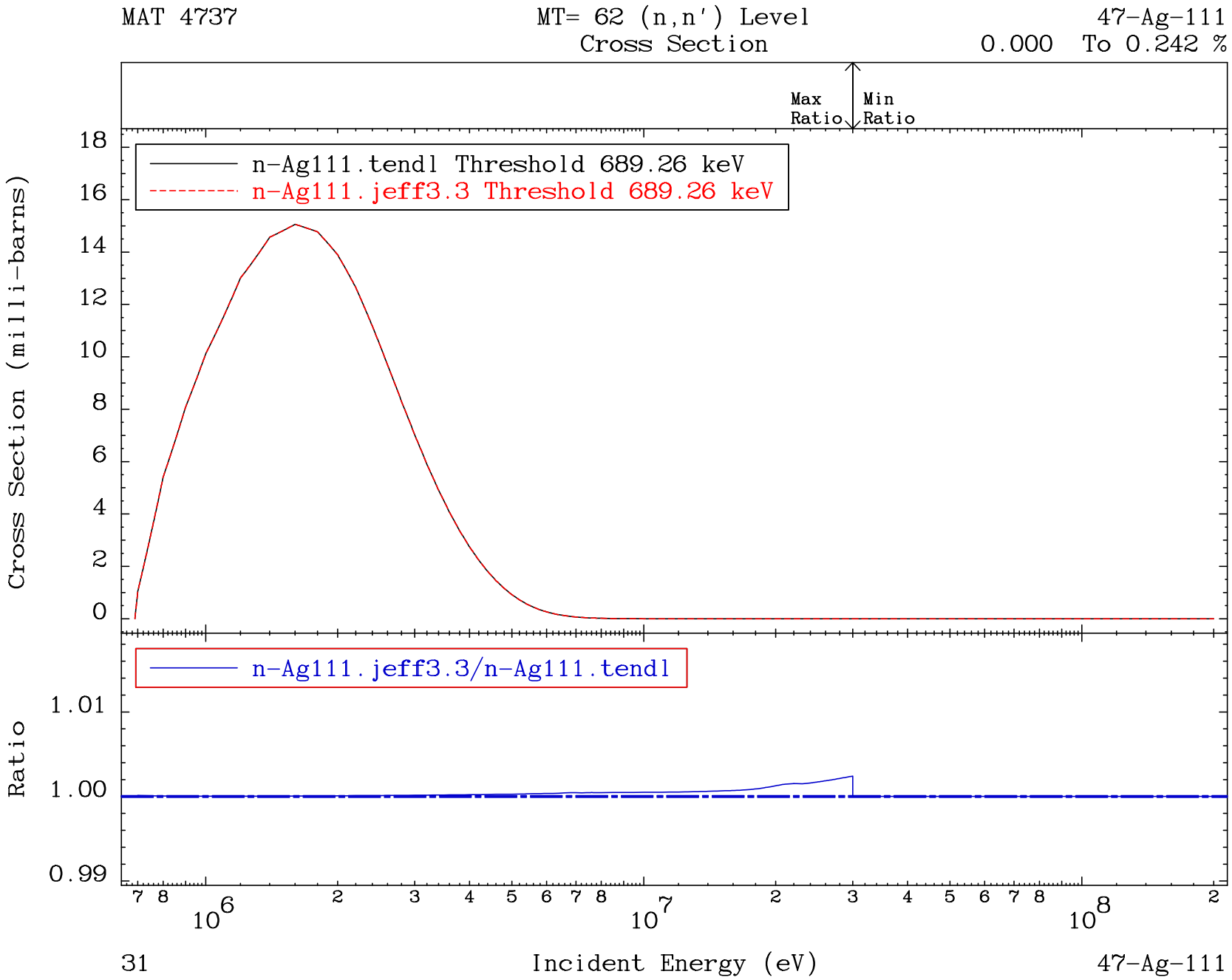

MAT 4737
MT= 57 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 550.68 keV
n-Ag111.jeff3.3 Threshold 550.68 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
47-Ag-111

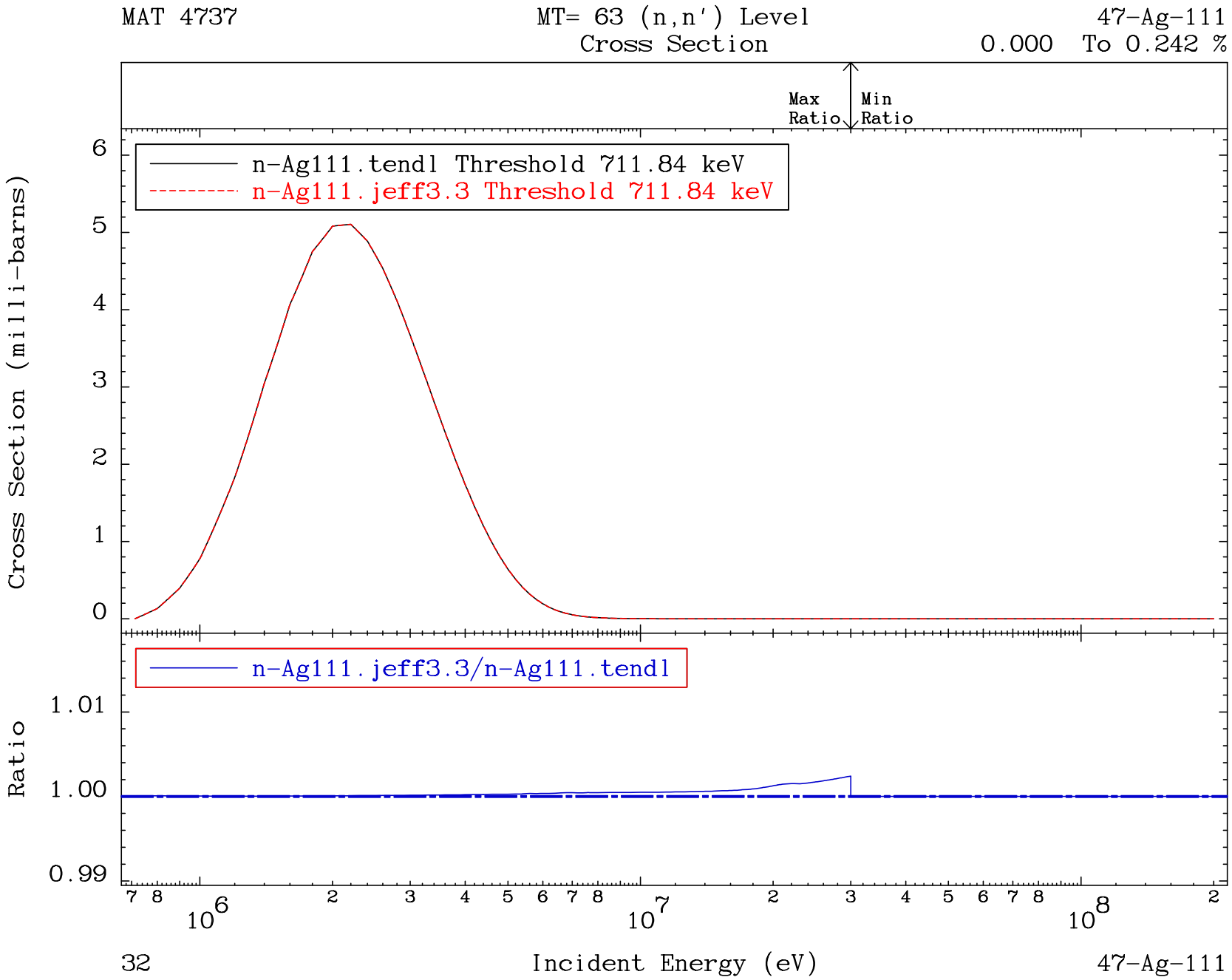

MAT 4737
MT= 58 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 573.84 keV
n-Ag111.jeff3.3 Threshold 573.84 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
47-Ag-111

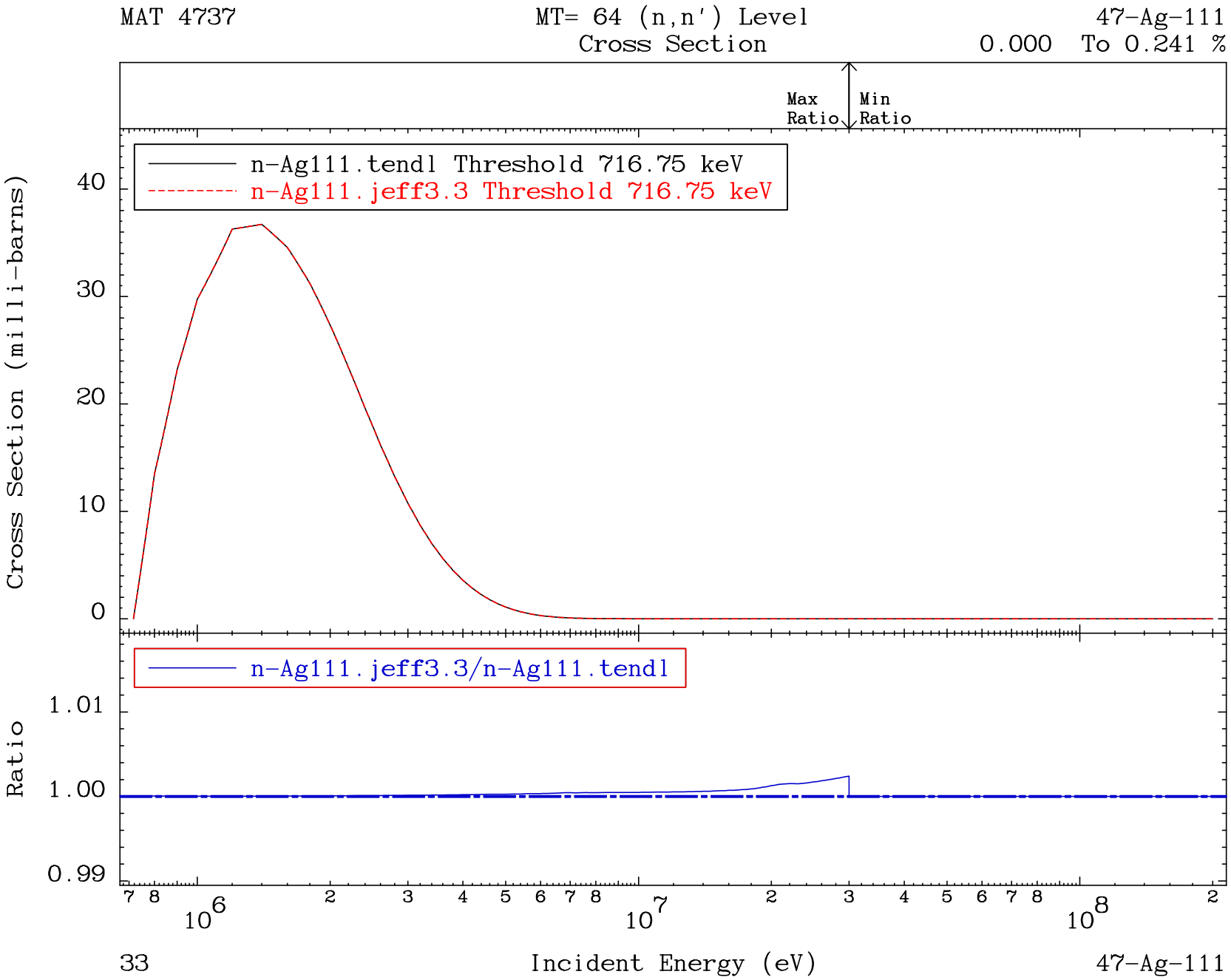

MAT 4737
MT= 59 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 593.18 keV
n-Ag111.jeff3.3 Threshold 593.18 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
47-Ag-111

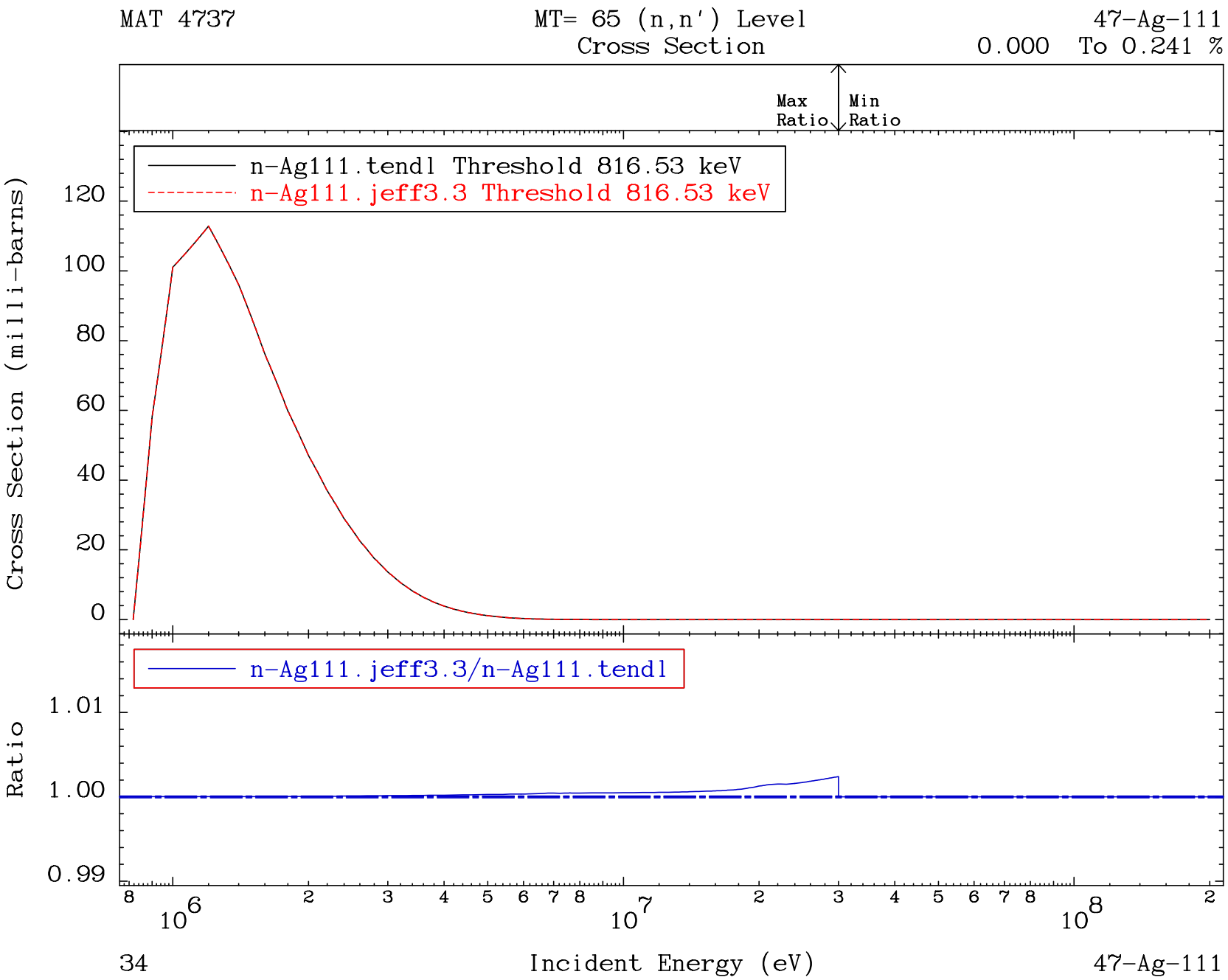

MAT 4737
MT= 60 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 612.39 keV
n-Ag111.jeff3.3 Threshold 612.39 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
47-Ag-111

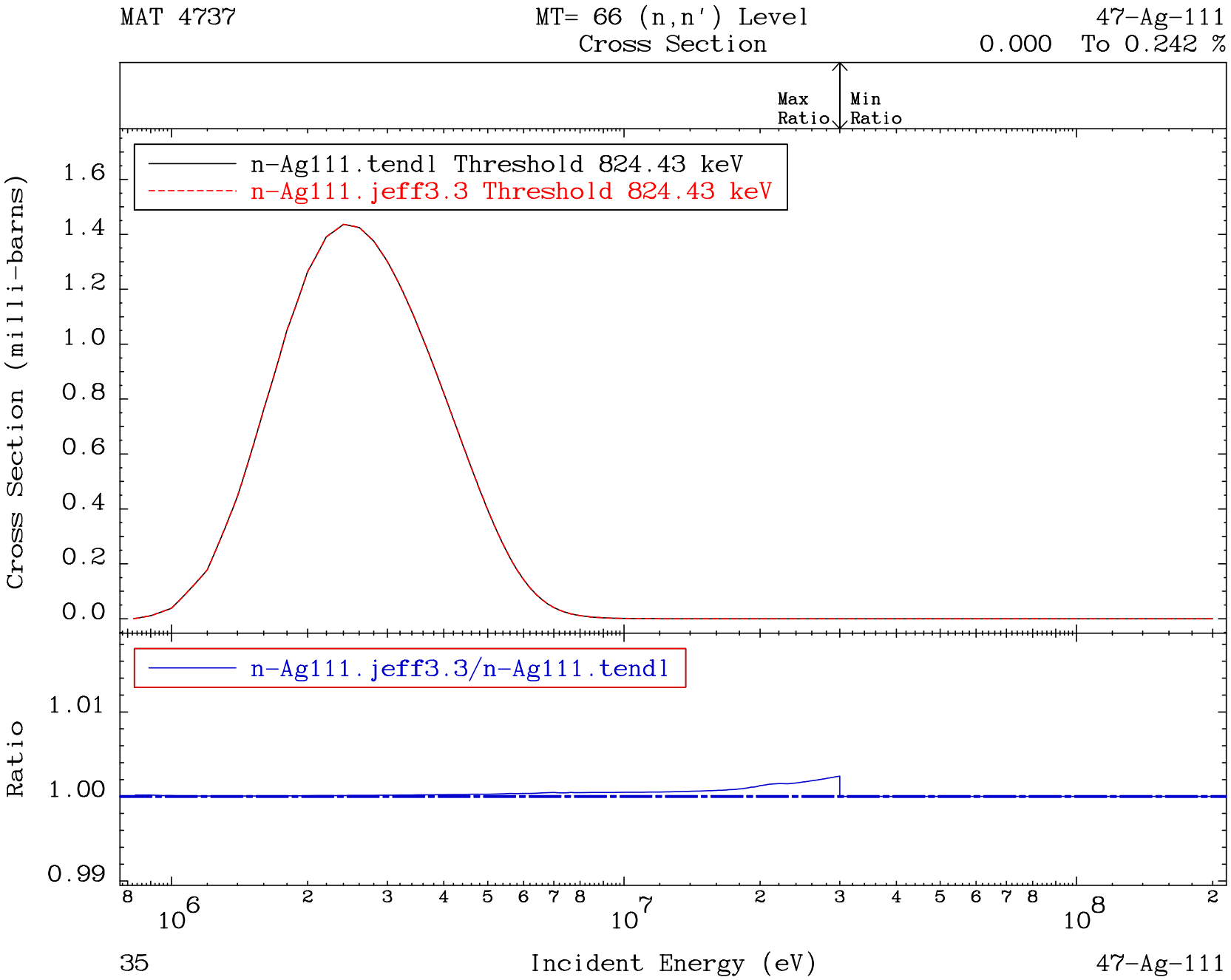

MAT 4737
MT= 61 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 647.77 keV
n-Ag111.jeff3.3 Threshold 647.77 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
47-Ag-111

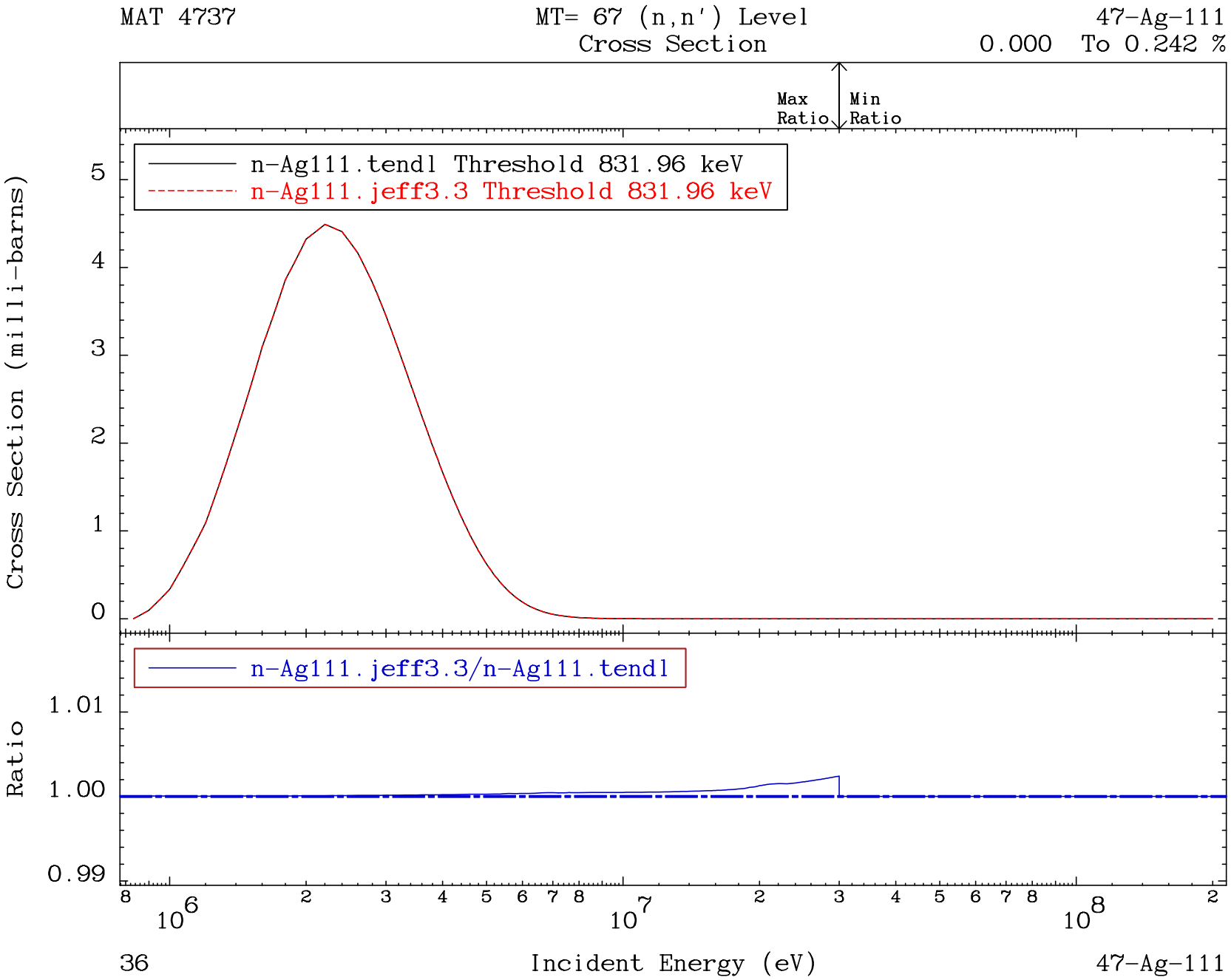

MAT 4737
MT= 62 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 689.26 keV
n-Ag111.jeff3.3 Threshold 689.26 keV
Cross Section (milli-barns)
18
16
14
12
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
47-Ag-111

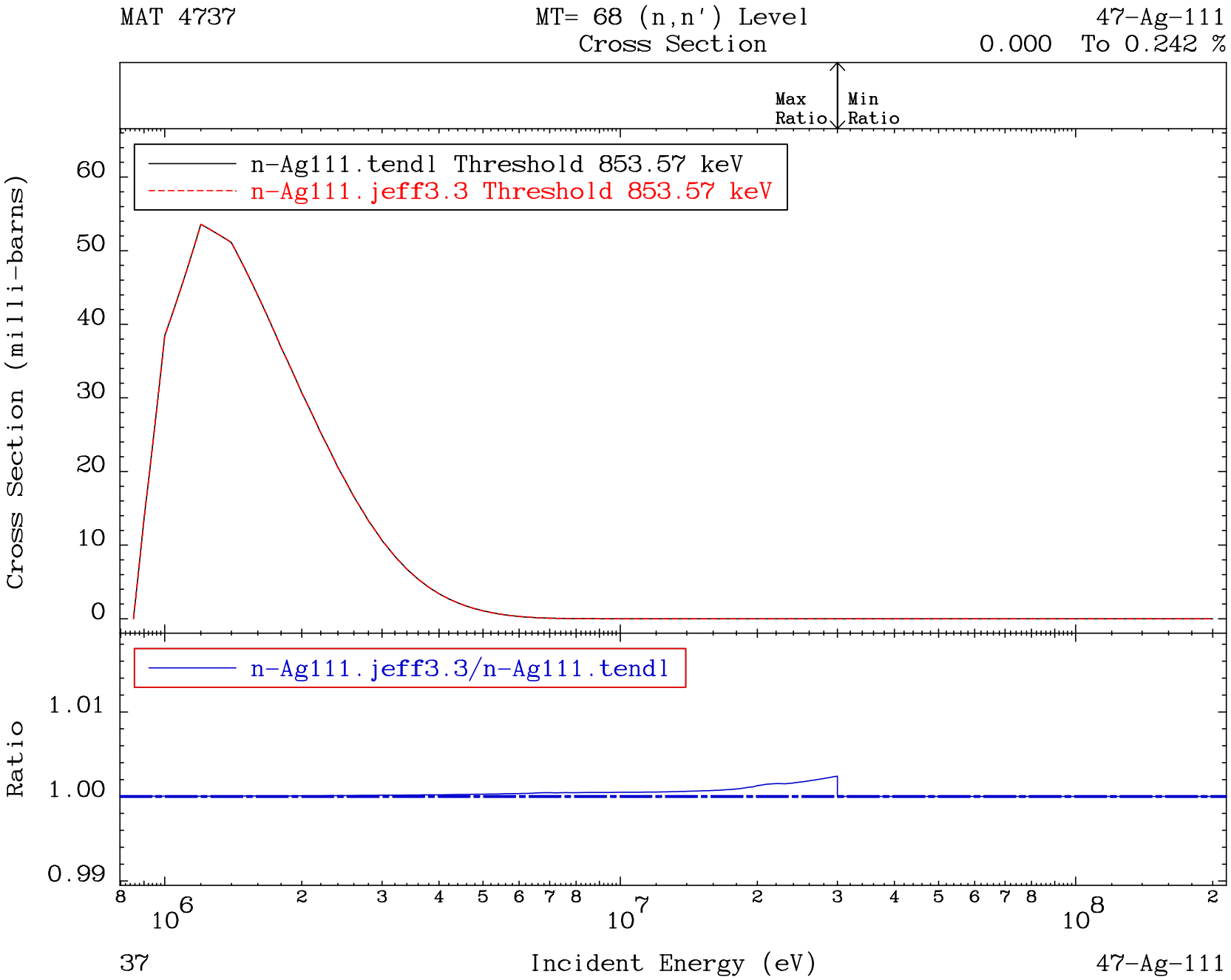

MAT 4737
MT= 63 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 711.84 keV
n-Ag111.jeff3.3 Threshold 711.84 keV
Cross Section (milli-barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
32
47-Ag-111

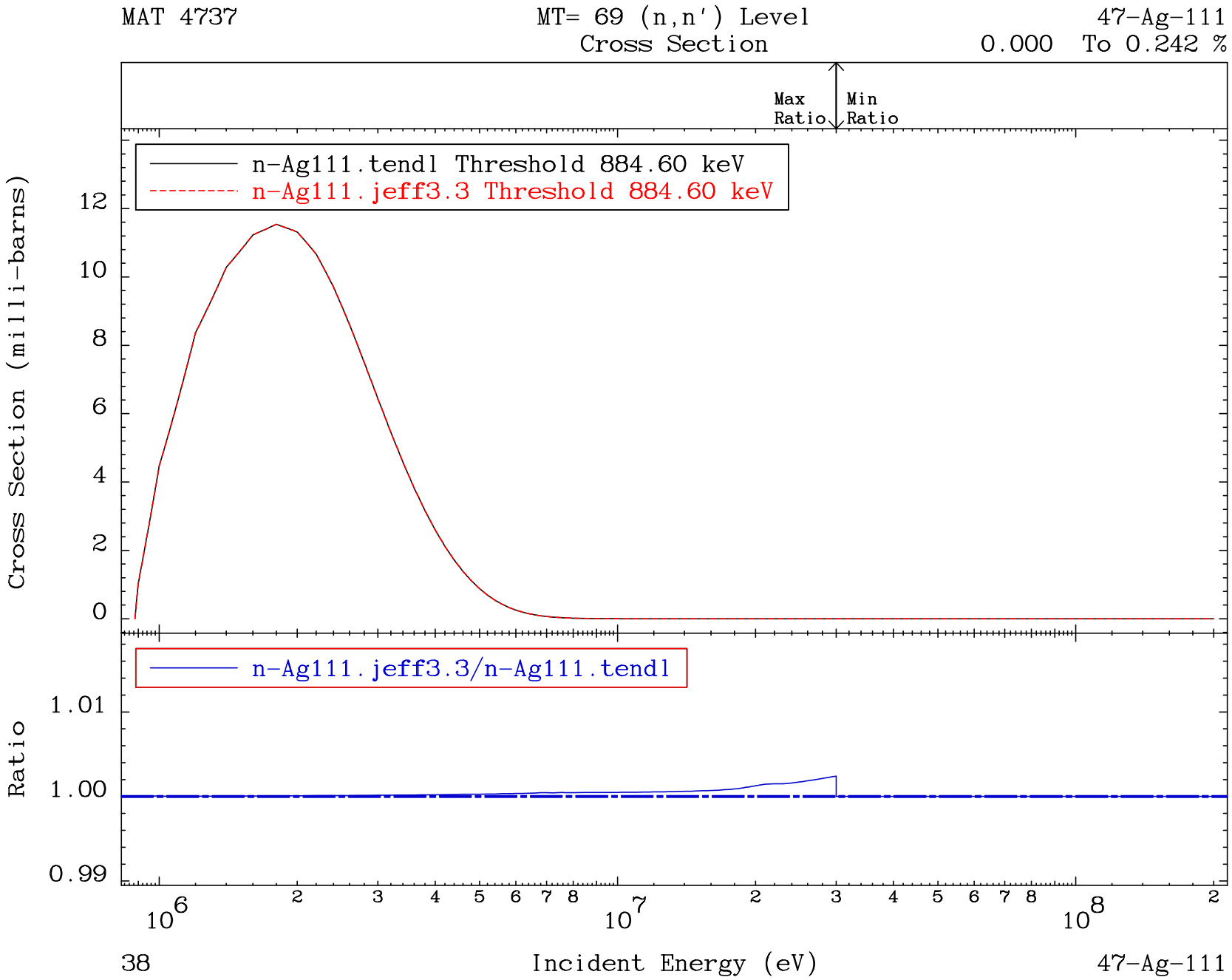

MAT 4737
MT= 64 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 716.75 keV
n-Ag111.jeff3.3 Threshold 716.75 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
47-Ag-111

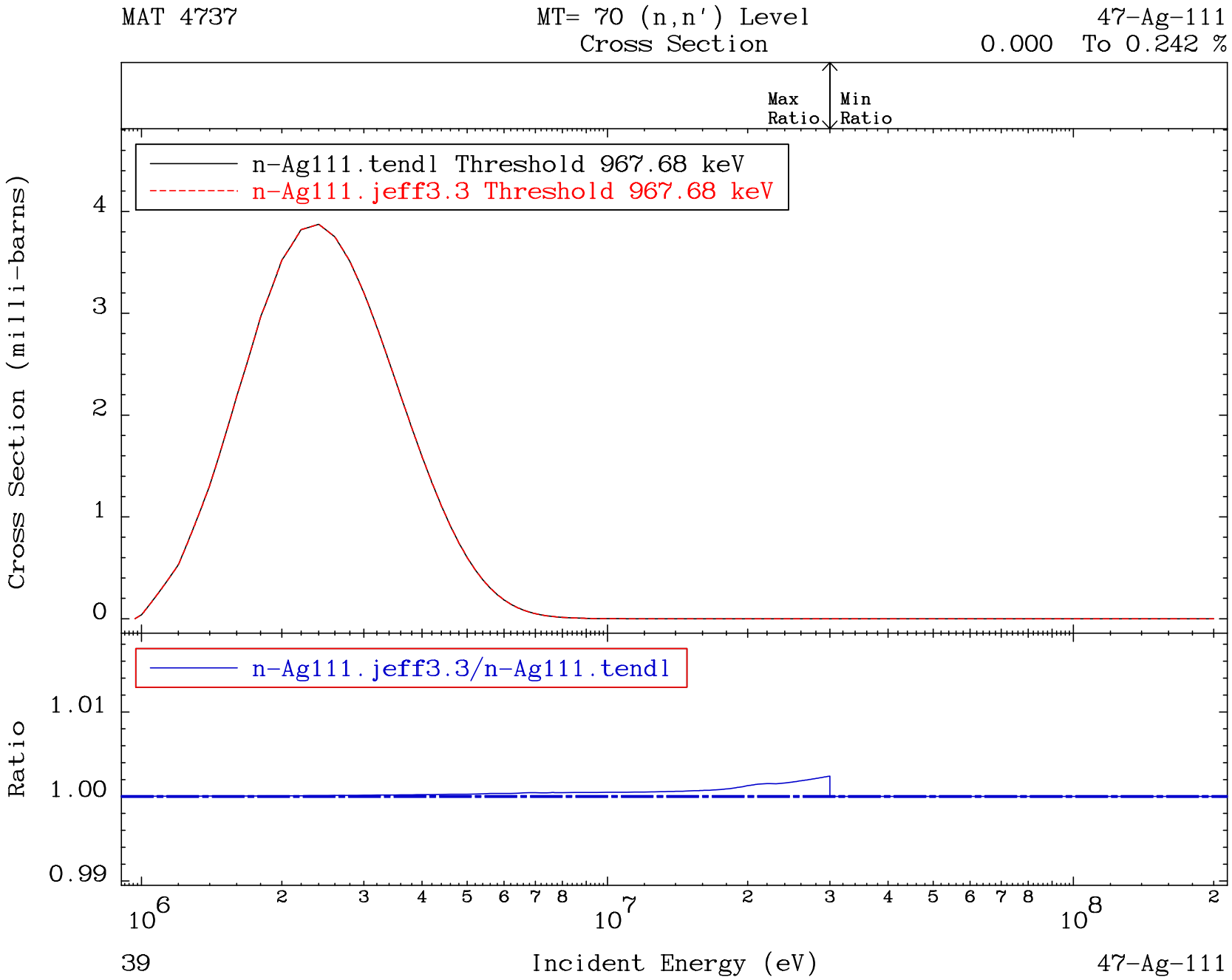

MAT 4737
MT= 65 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 816.53 keV
n-Ag111.jeff3.3 Threshold 816.53 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
47-Ag-111

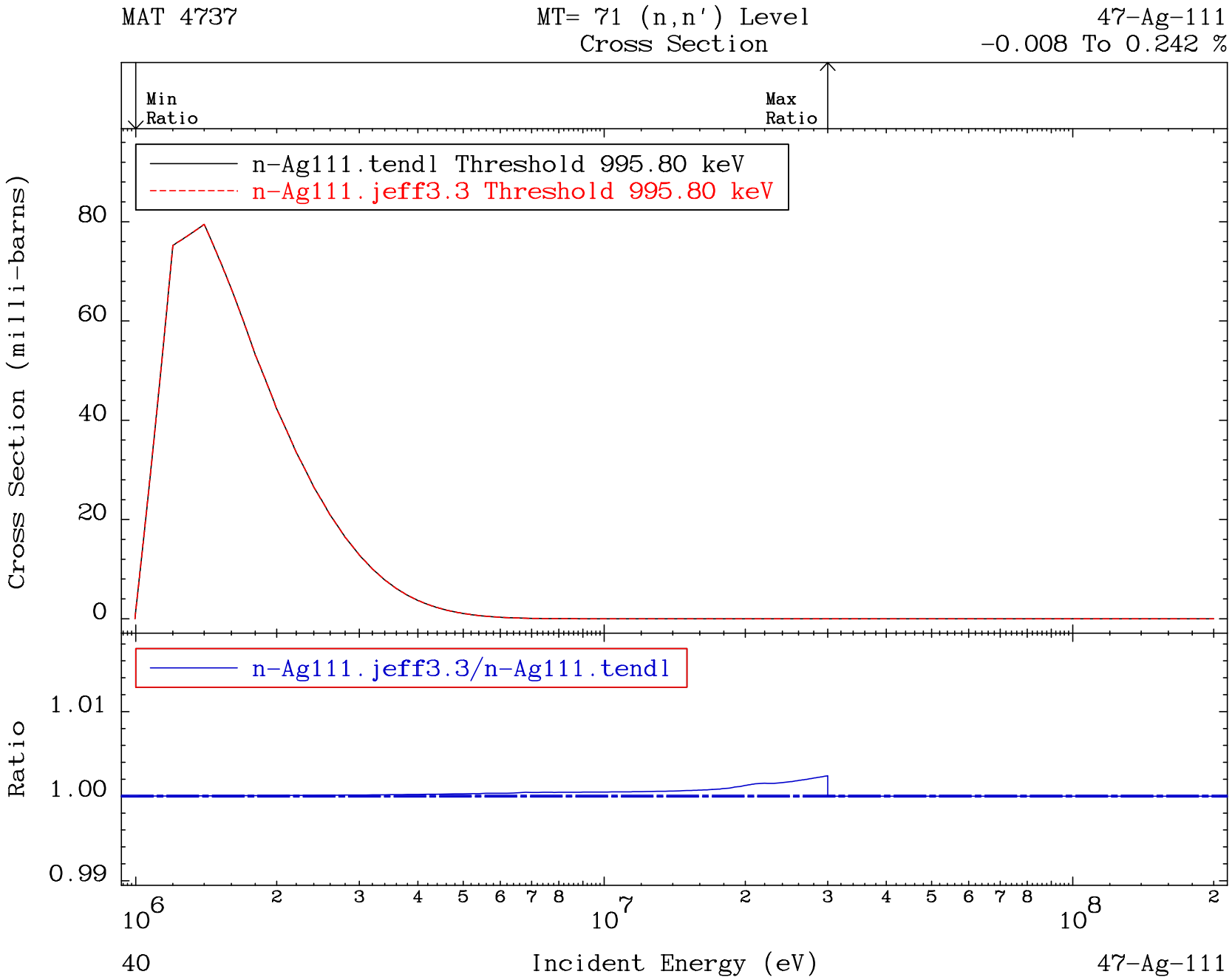

MAT 4737
MT= 66 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 824.43 keV
n-Ag111.jeff3.3 Threshold 824.43 keV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
8 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2
10^6
10^7
10^8
35
Incident Energy (eV)
47-Ag-111

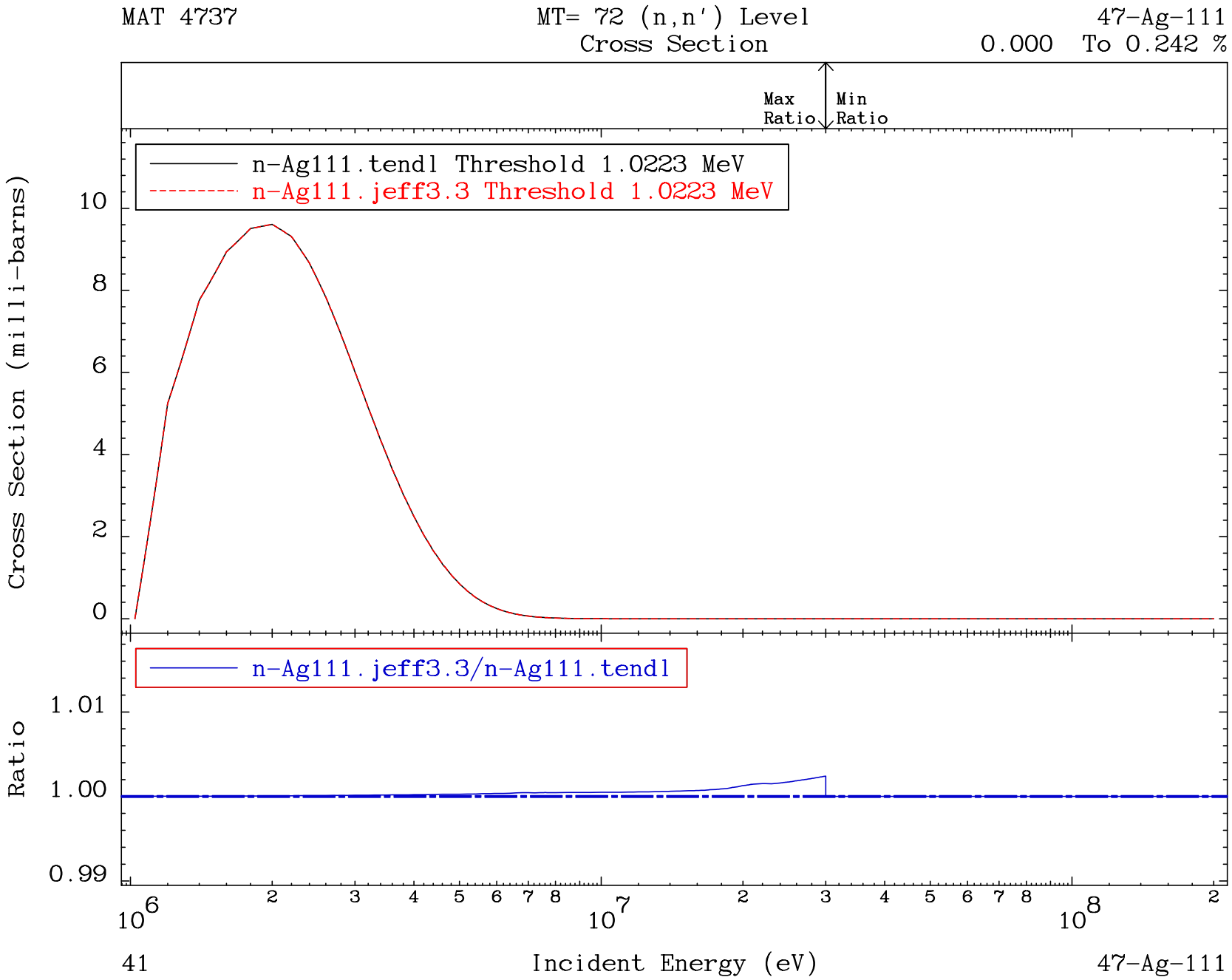

MAT 4737
MT= 67 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 831.96 keV
n-Ag111.jeff3.3 Threshold 831.96 keV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
36
Incident Energy (eV)
47-Ag-111

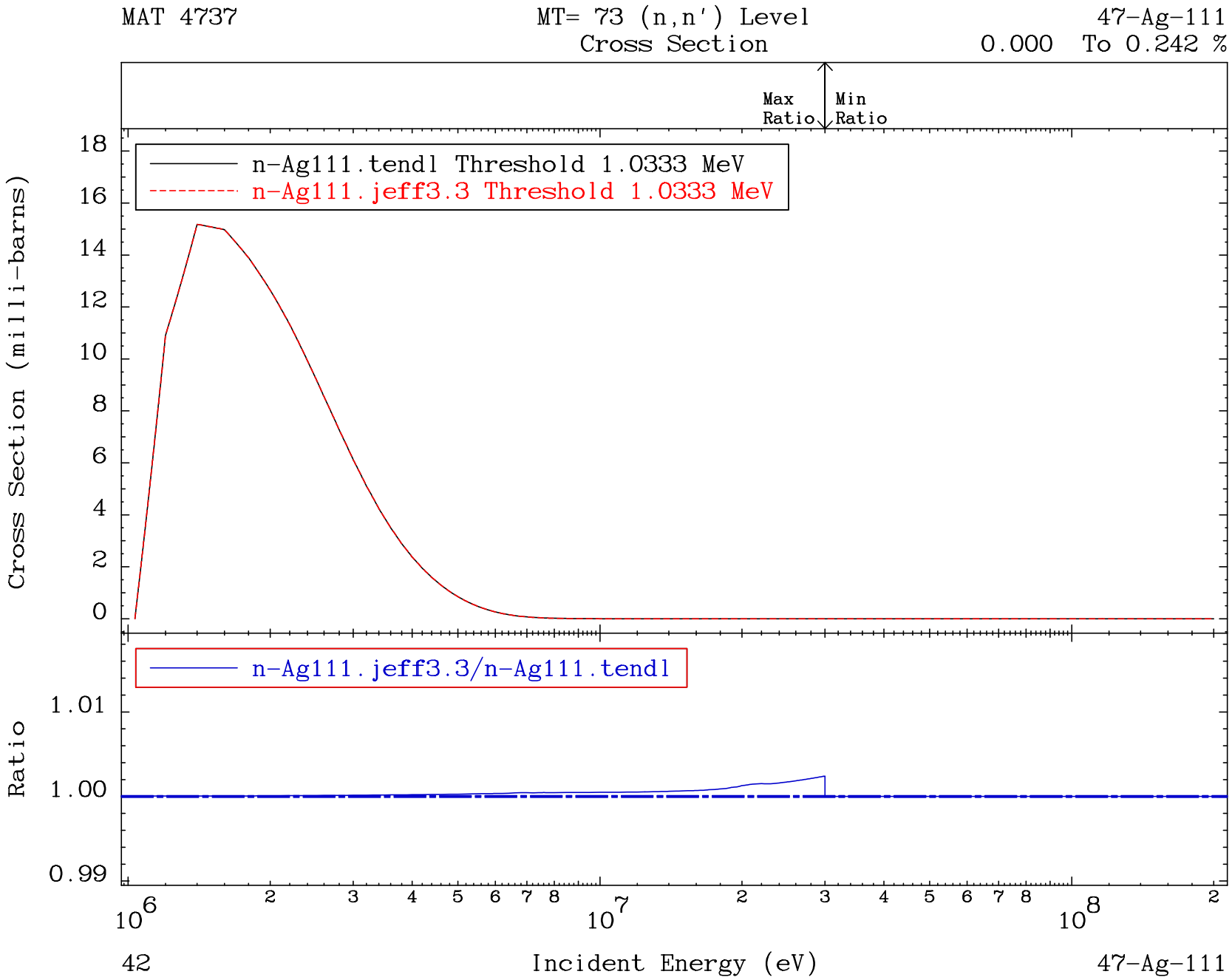

MAT 4737
MT= 68 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 853.57 keV
n-Ag111.jeff3.3 Threshold 853.57 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
47-Ag-111

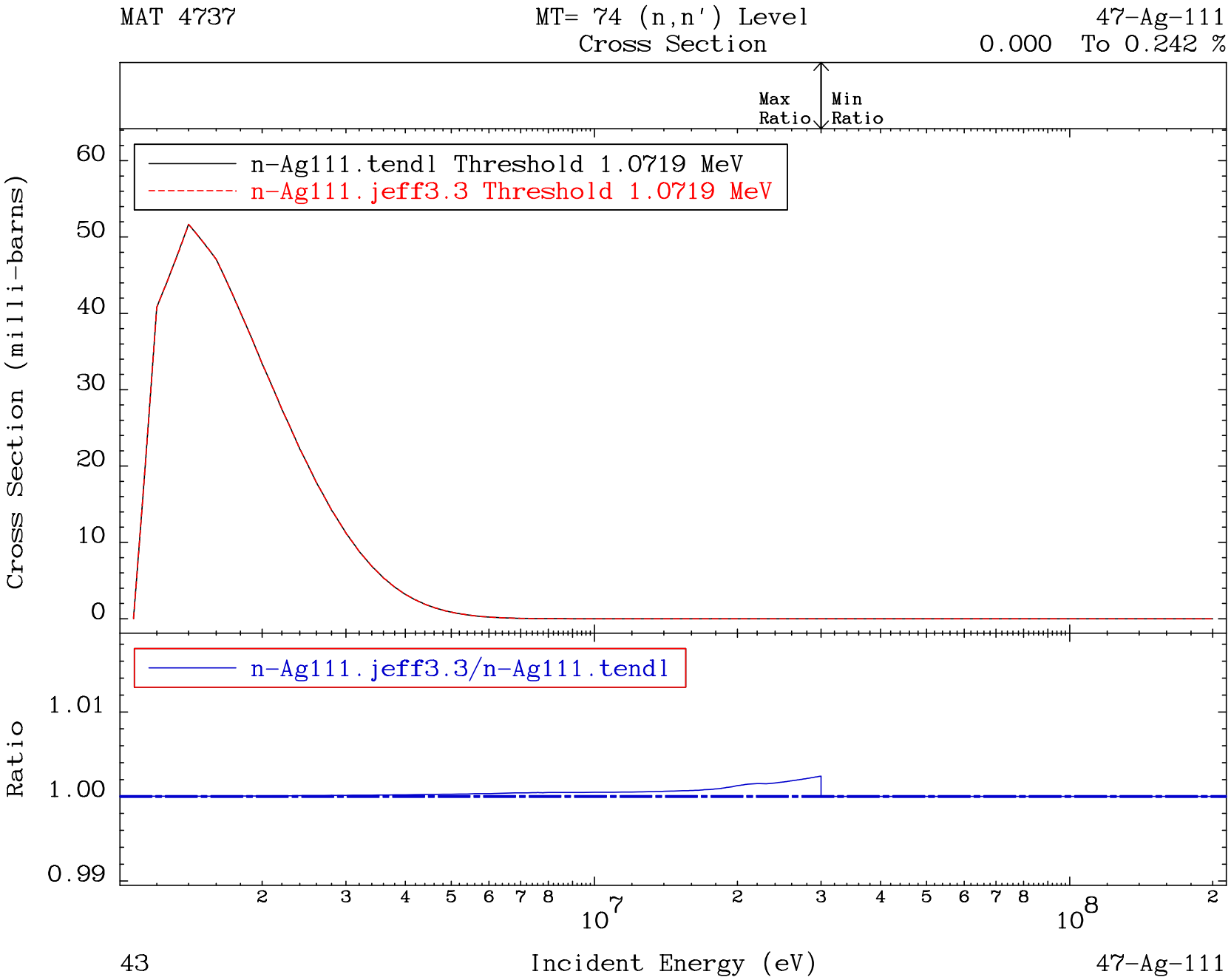

MAT 4737
MT= 69 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 884.60 keV
n-Ag111.jeff3.3 Threshold 884.60 keV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
47-Ag-111

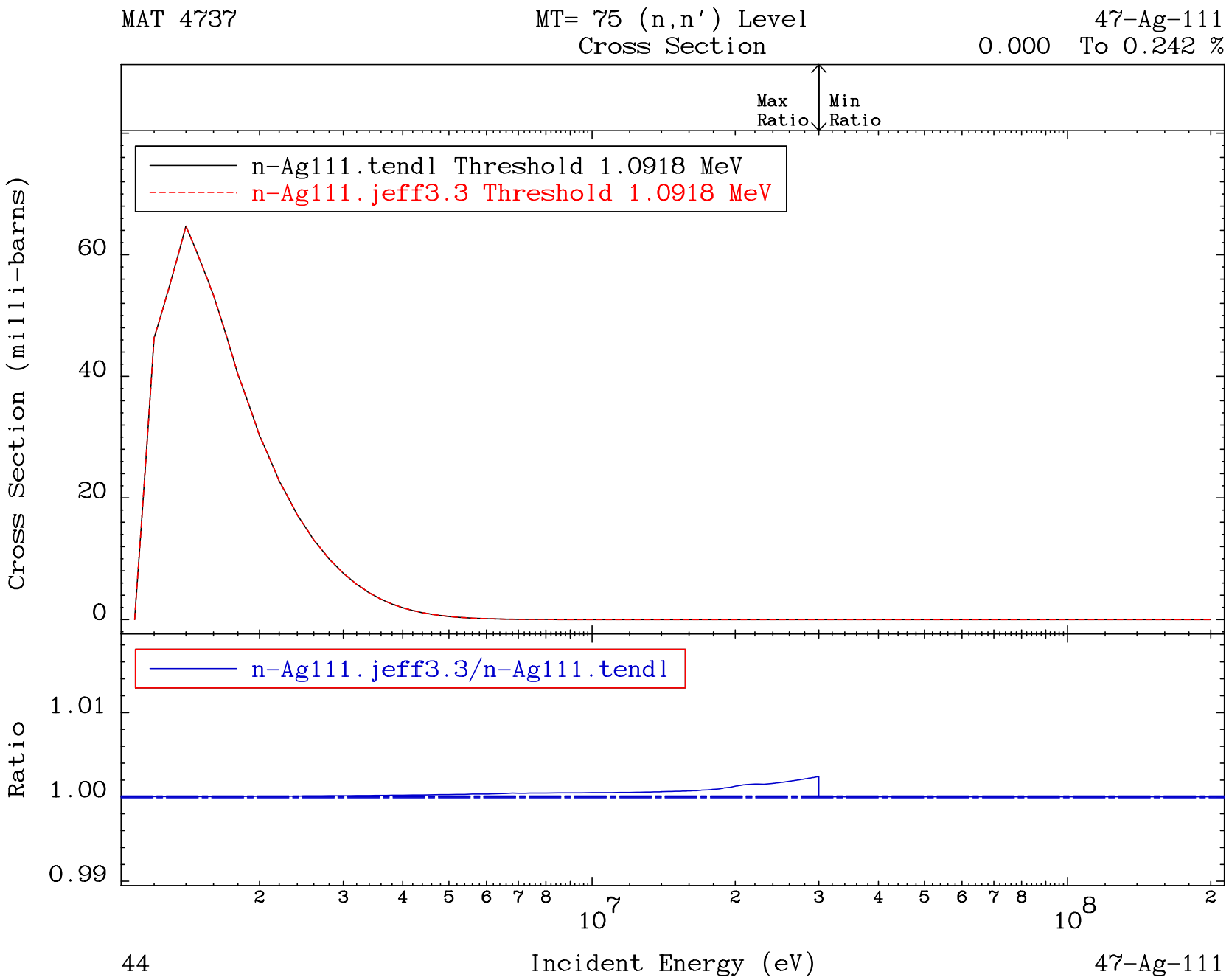

MAT 4737
MT= 70 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 967.68 keV
n-Ag111.jeff3.3 Threshold 967.68 keV
Cross Section (milli-barns)
0
1
2
3
4
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
10^6
10^7
10^8
Incident Energy (eV)
39
47-Ag-111

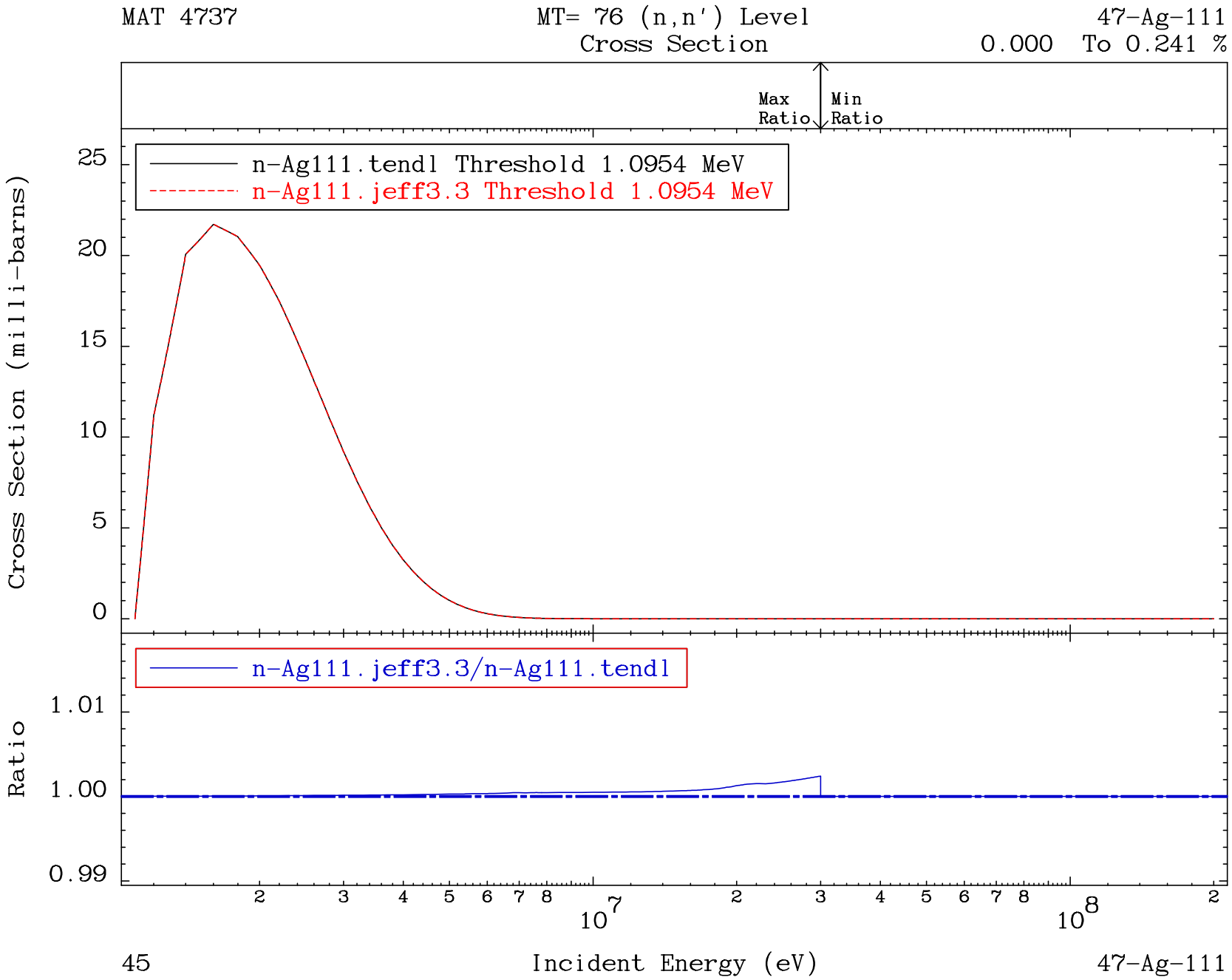

MAT 4737
MT= 71 (n,n') Level
Cross Section
47-Ag-111
-0.008 To 0.242 %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 995.80 keV
n-Ag111.jeff3.3 Threshold 995.80 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^6
10^7
10^8
Incident Energy (eV)
40
47-Ag-111

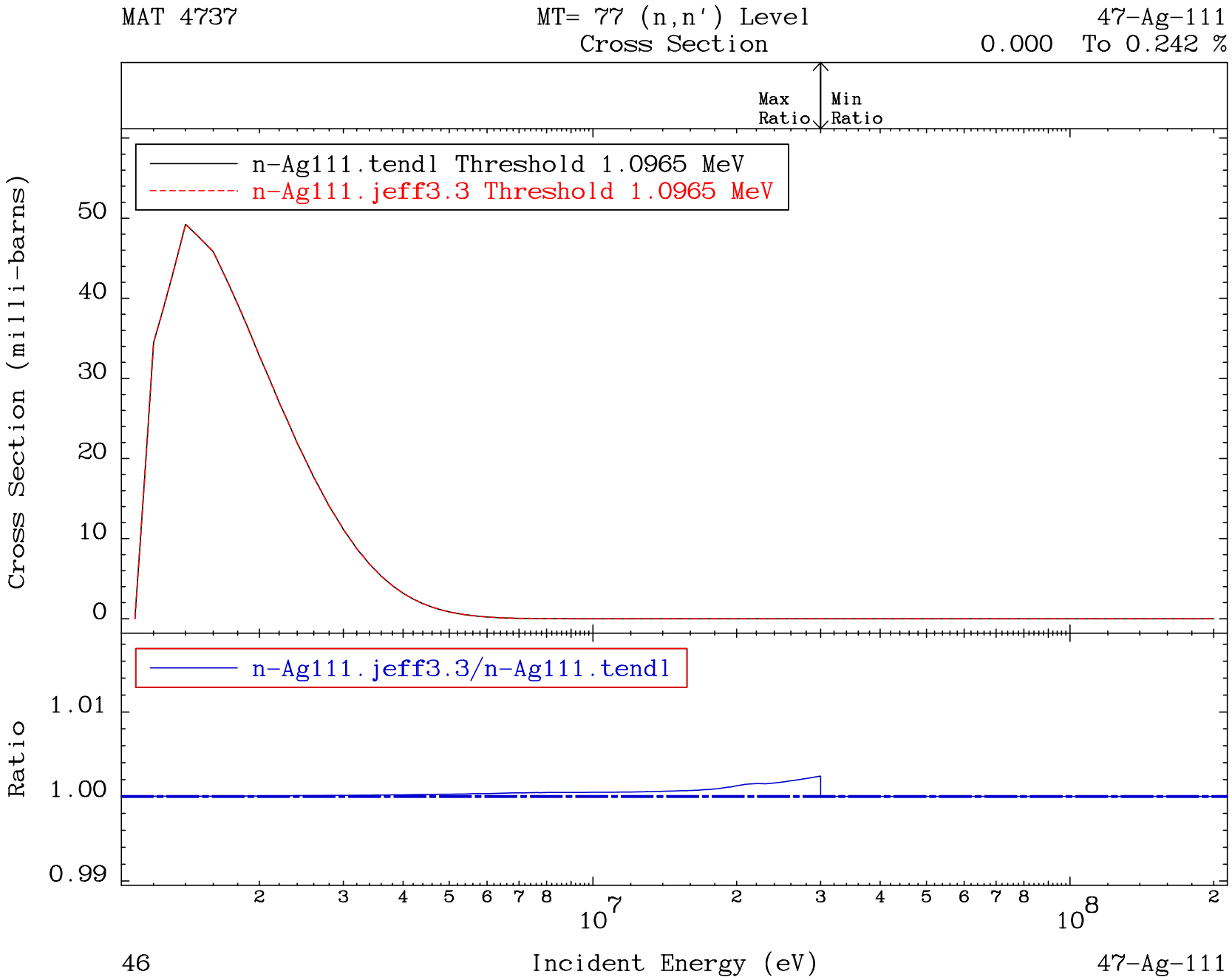

MAT 4737
MT= 72 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0223 MeV
n-Ag111.jeff3.3 Threshold 1.0223 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
47-Ag-111

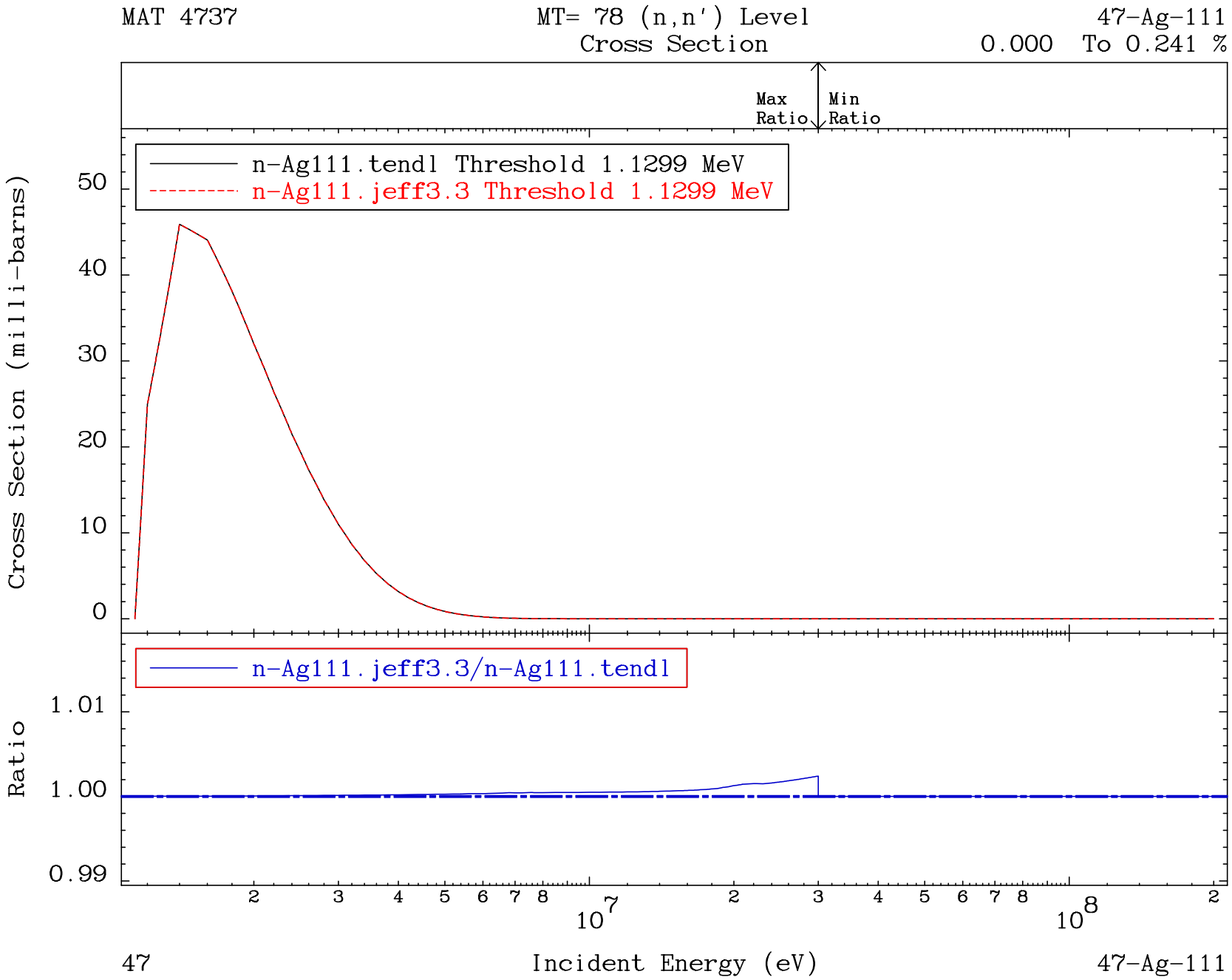

MAT 4737
MT= 73 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0333 MeV
n-Ag111.jeff3.3 Threshold 1.0333 MeV
Cross Section (milli-barns)
18
16
14
12
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
47-Ag-111

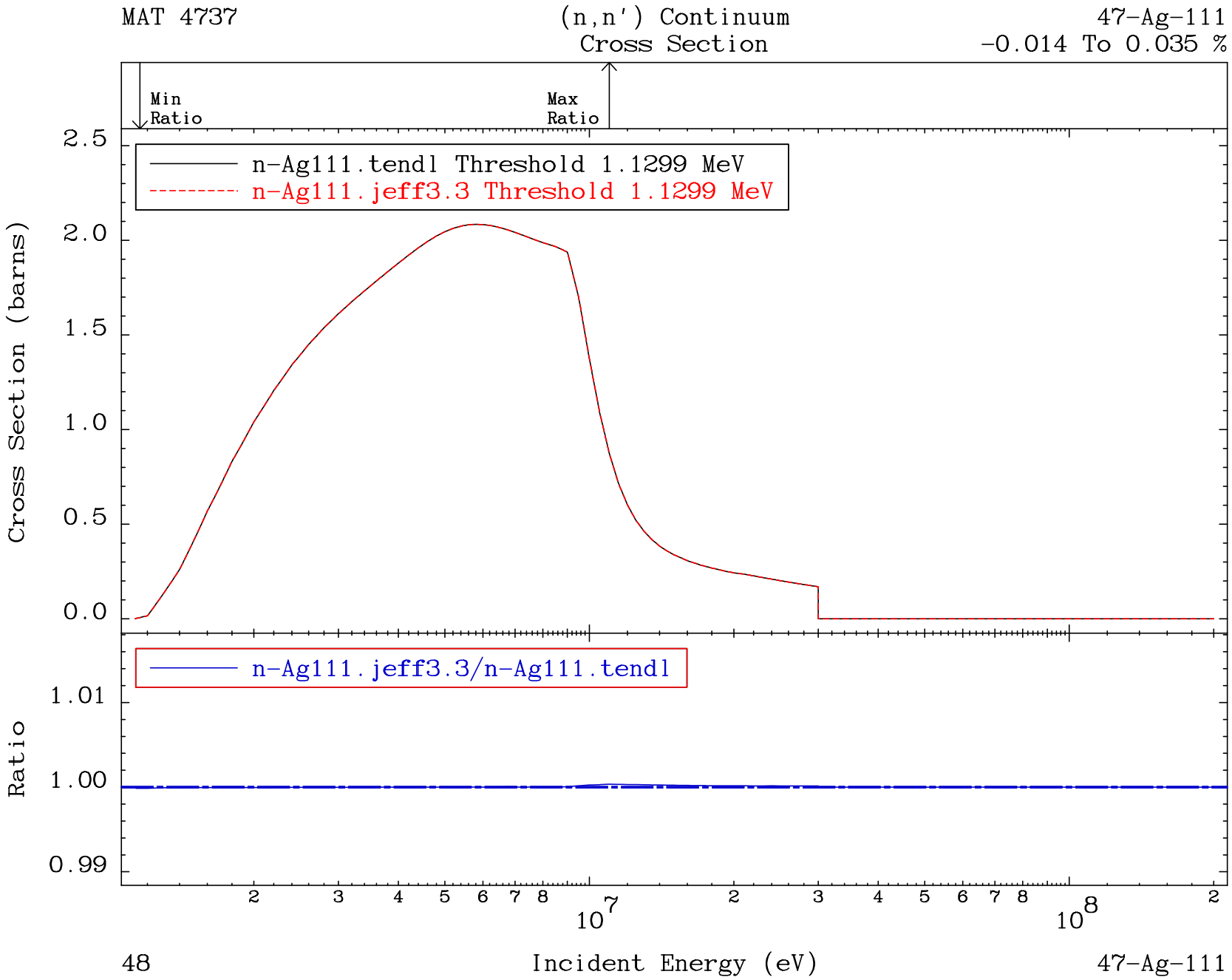

MAT 4737
MT= 74 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0719 MeV
n-Ag111.jeff3.3 Threshold 1.0719 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
47-Ag-111

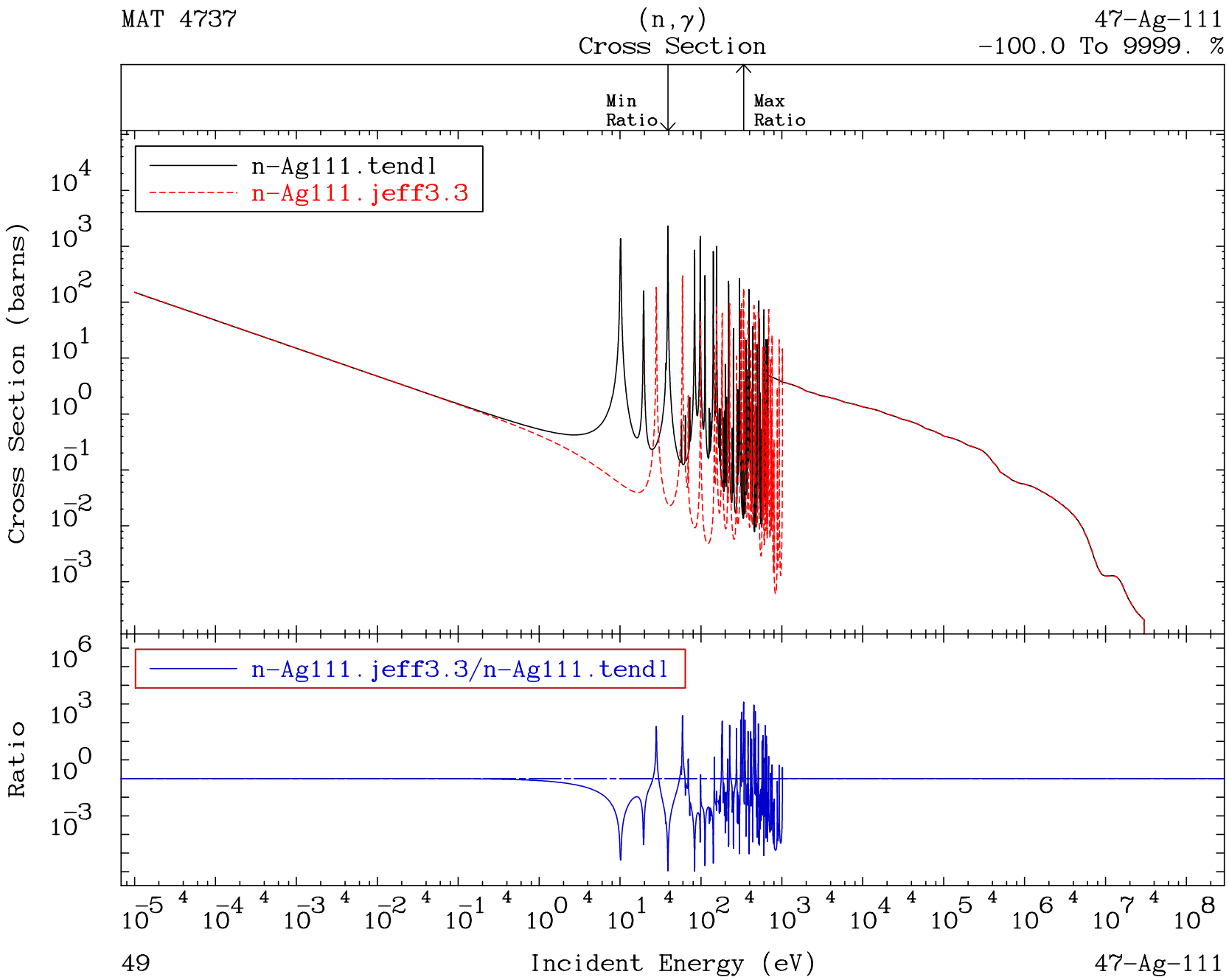

MAT 4737
MT= 75 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0918 MeV
n-Ag111.jeff3.3 Threshold 1.0918 MeV
Cross Section (milli-barns)
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
47-Ag-111

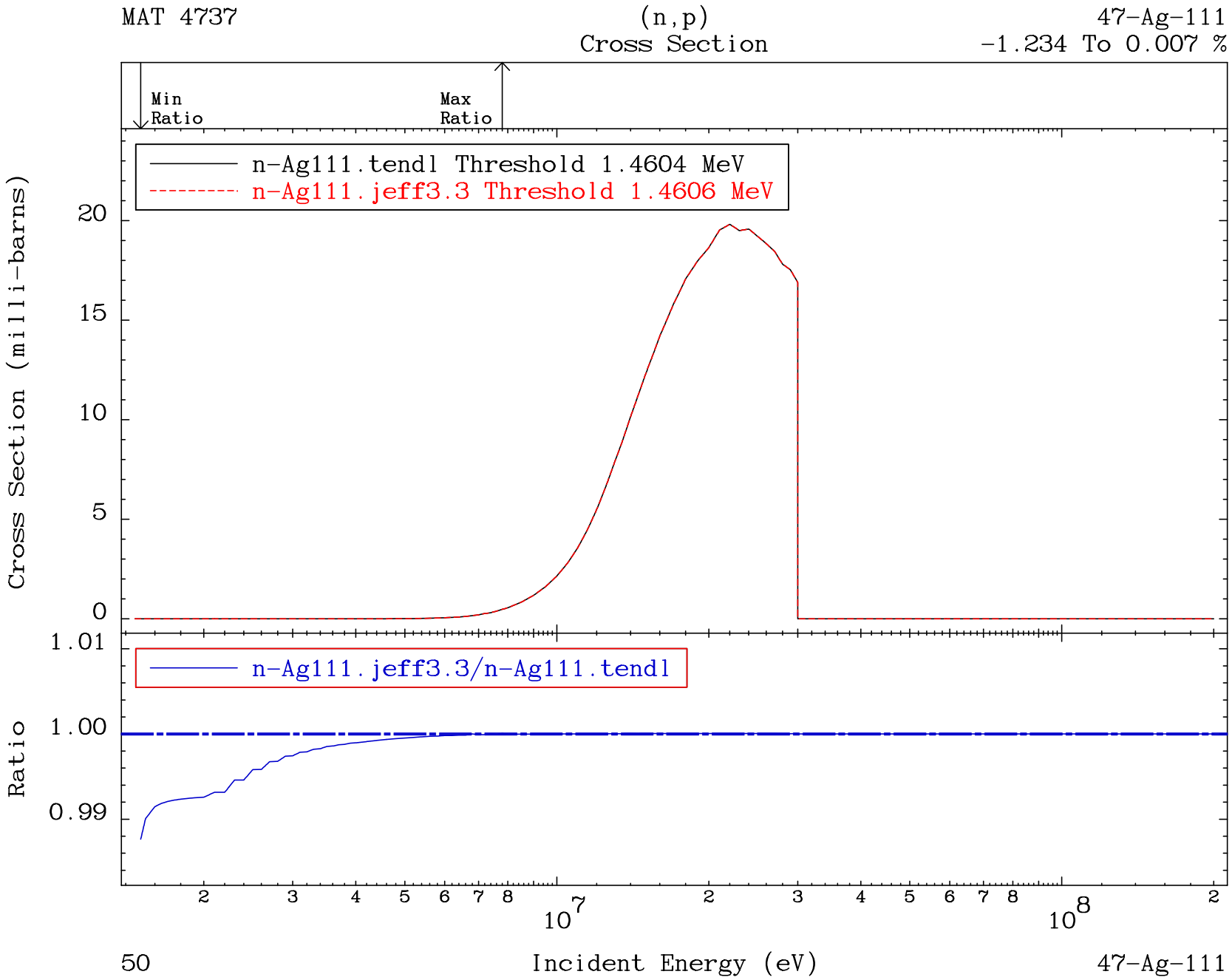

MAT 4737
MT= 76 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0954 MeV
n-Ag111.jeff3.3 Threshold 1.0954 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
47-Ag-111

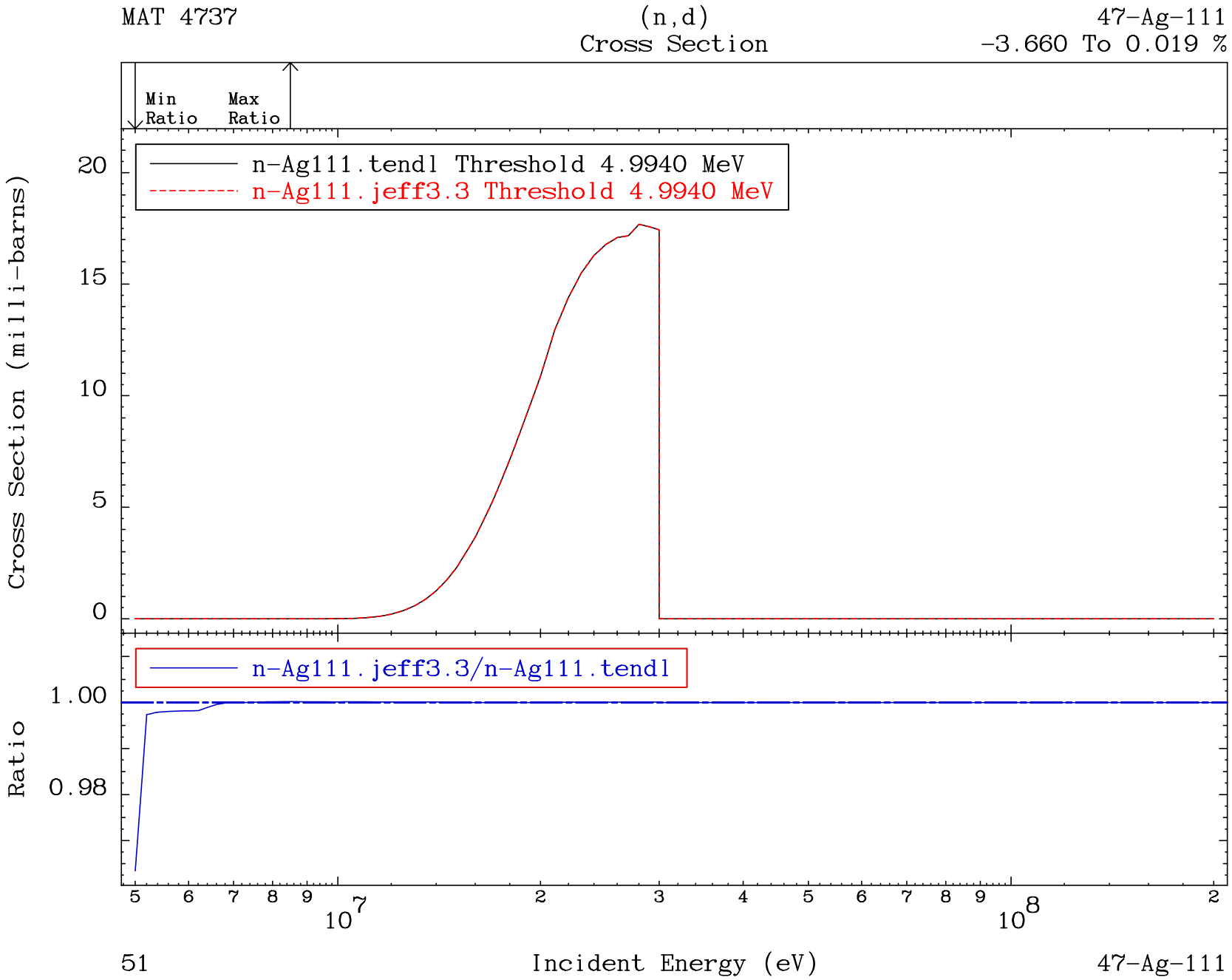

MAT 4737
MT= 77 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.242 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.0965 MeV
n-Ag111.jeff3.3 Threshold 1.0965 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
47-Ag-111

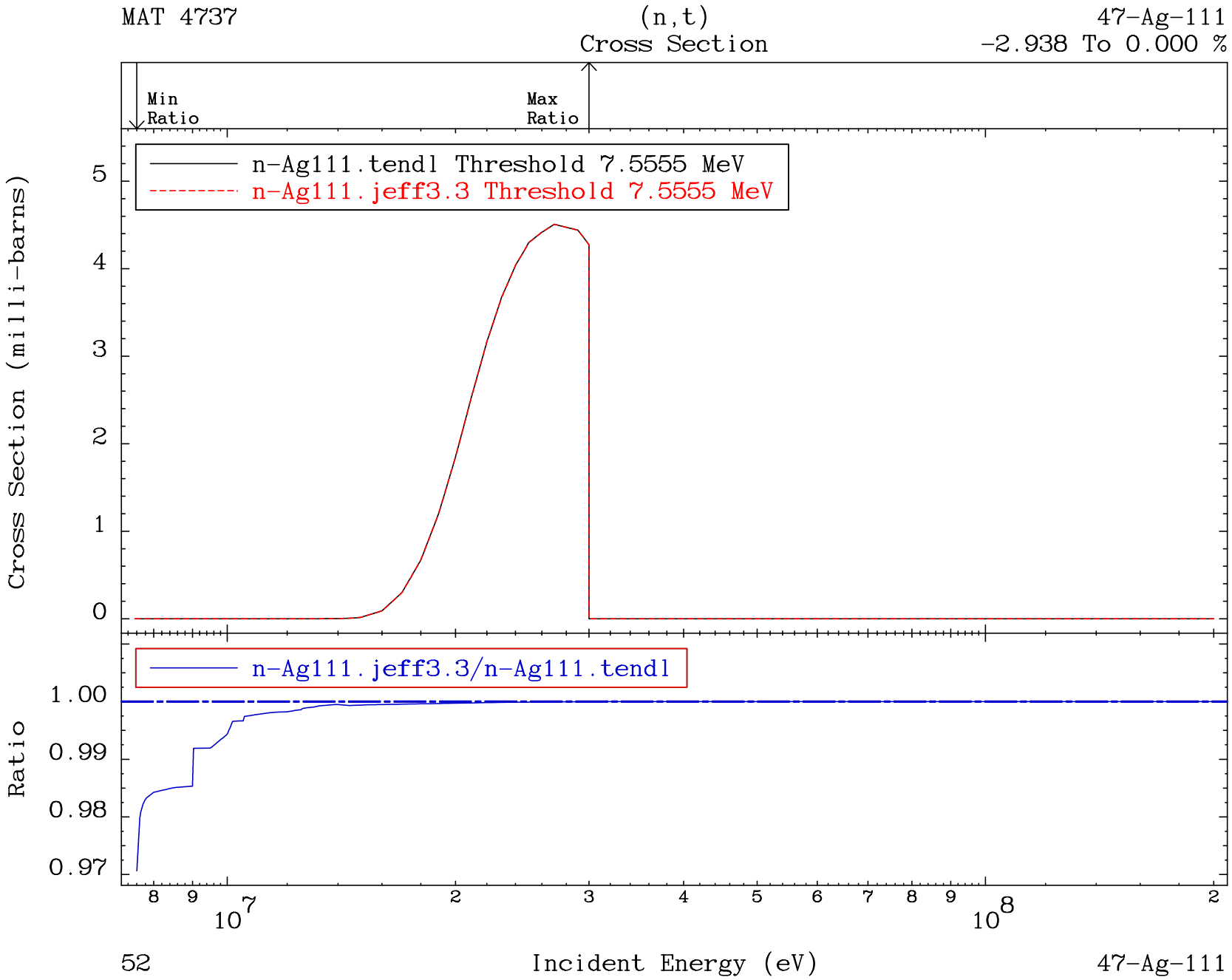

MAT 4737
MT= 78 (n,n') Level
Cross Section
47-Ag-111
0.000 To 0.241 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 1.1299 MeV
n-Ag111.jeff3.3 Threshold 1.1299 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
47-Ag-111

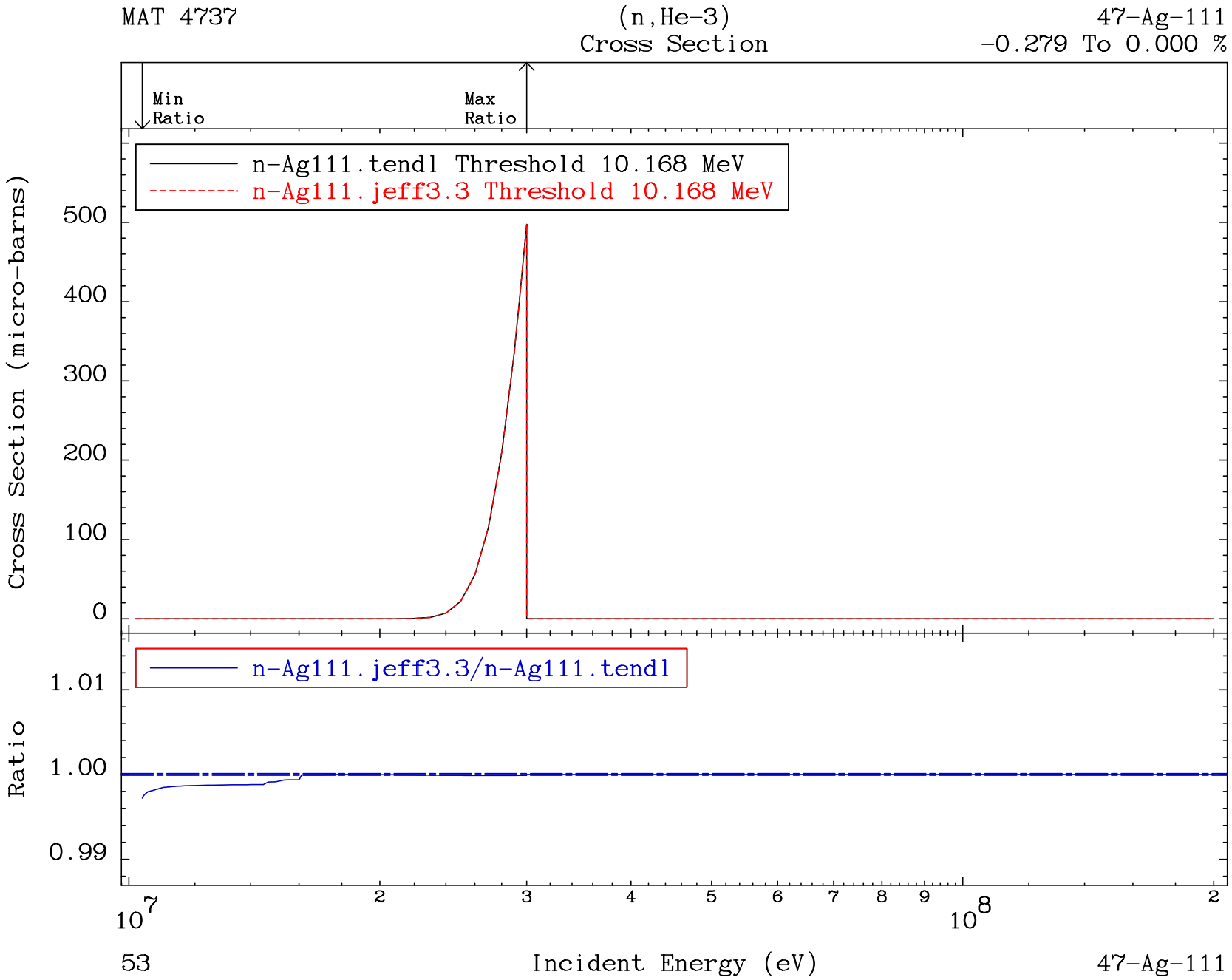

MAT 4737
(n,n') Continuum
Cross Section
47-Ag-111
-0.014 To 0.035 %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 1.1299 MeV
n-Ag111.jeff3.3 Threshold 1.1299 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
47-Ag-111

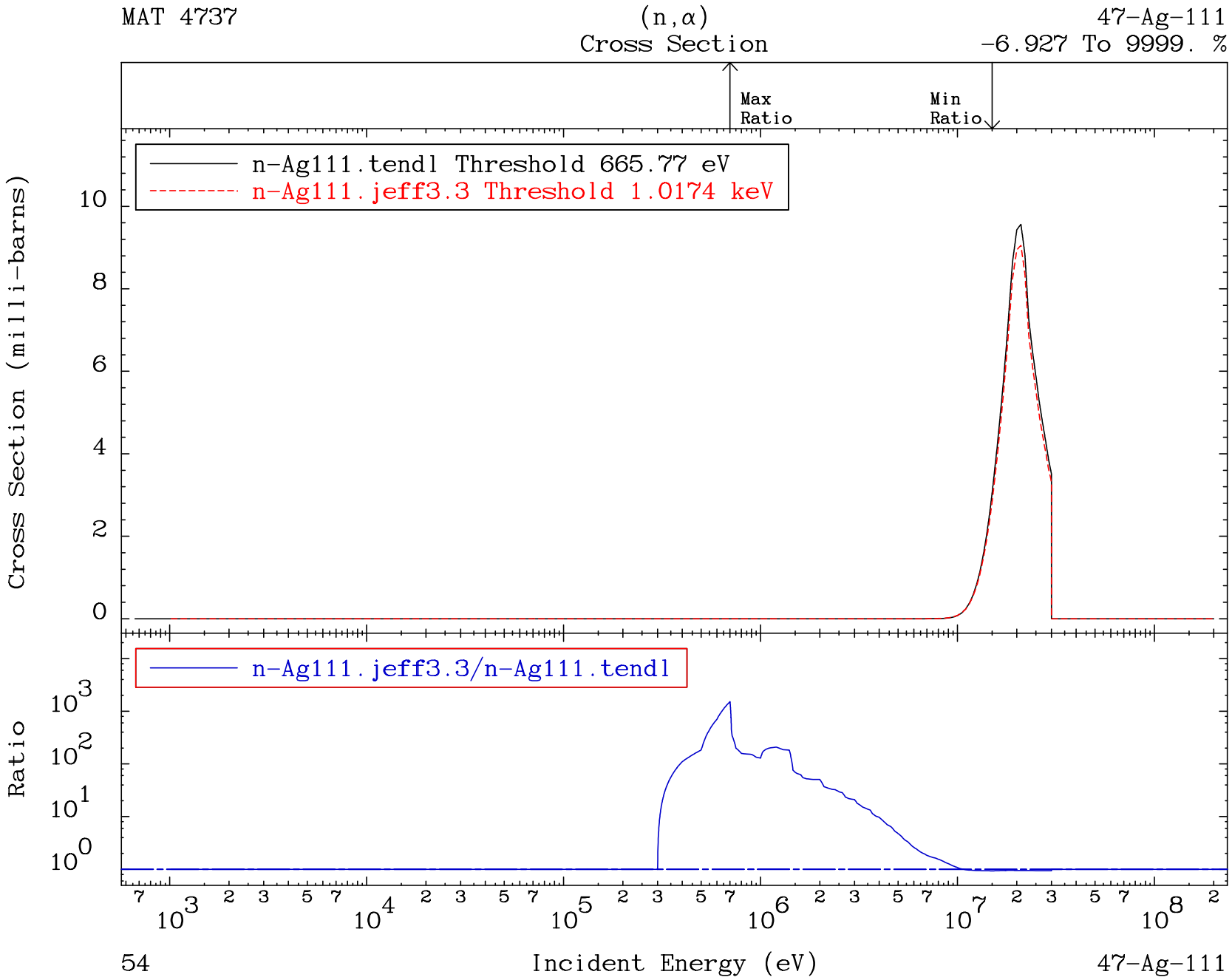

MAT 4737
(n,γ)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
49
47-Ag-111

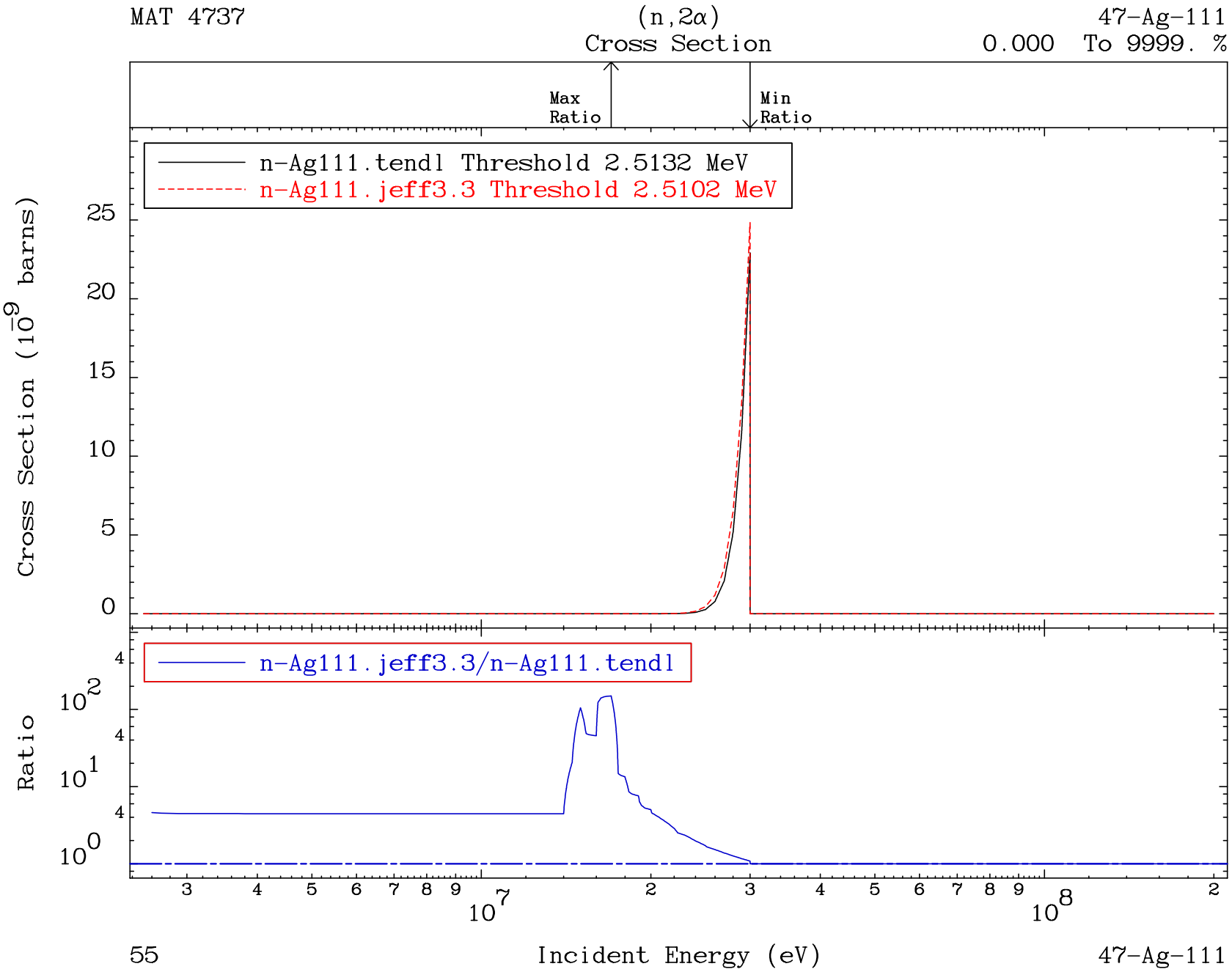

MAT 4737
(n,p)
Cross Section
47-Ag-111
-1.234 To 0.007 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.4604 MeV
n-Ag111.jeff3.3 Threshold 1.4606 MeV
Cross Section (milli-barns)
20
15
10
5
0
1.01
1.00
0.99
Ratio
n-Ag111.jeff3.3/n-Ag111.tendl
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
47-Ag-111

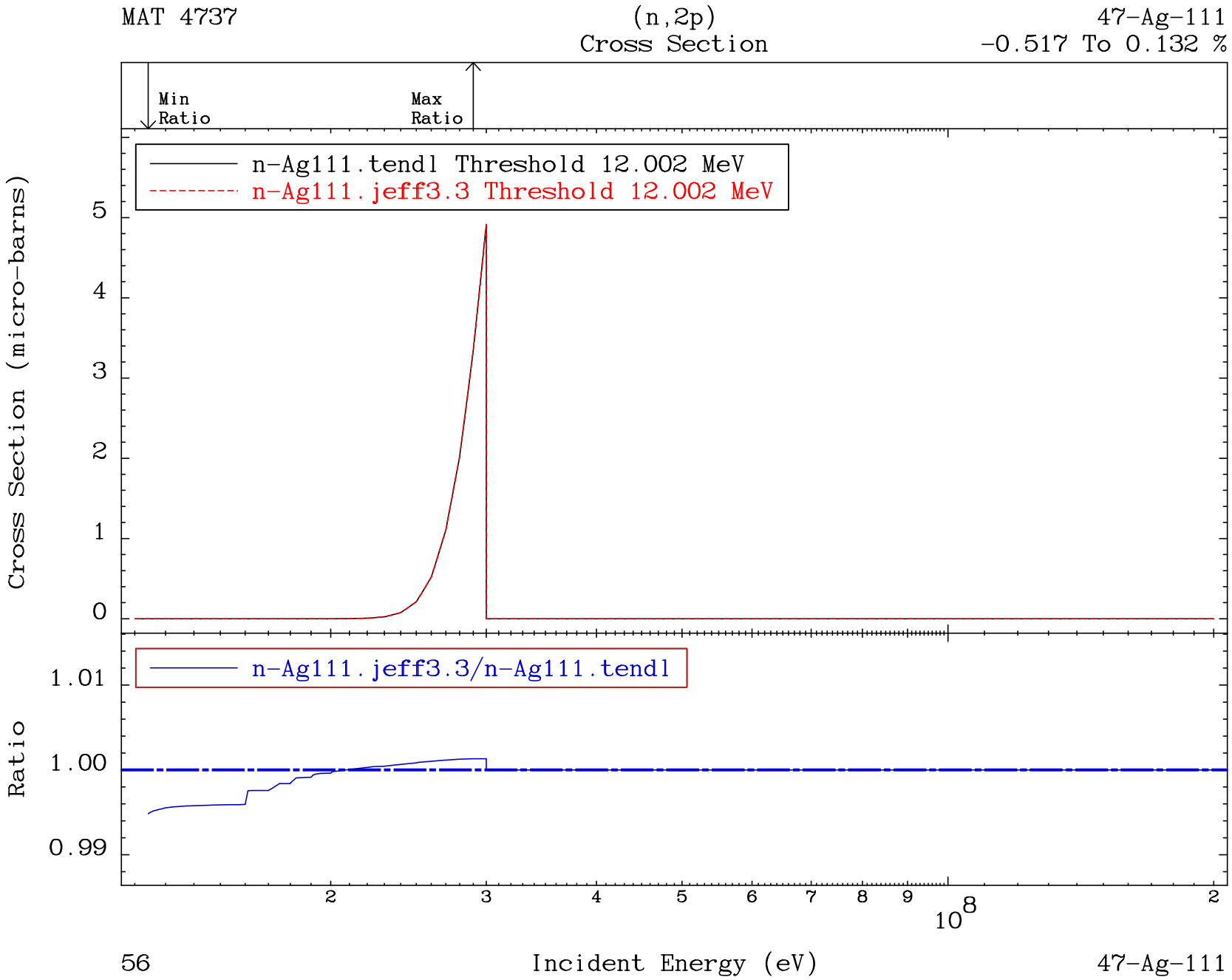

MAT 4737
(n,d)
Cross Section
47-Ag-111
-3.660 To 0.019 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 4.9940 MeV
n-Ag111.jeff3.3 Threshold 4.9940 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.98
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
47-Ag-111

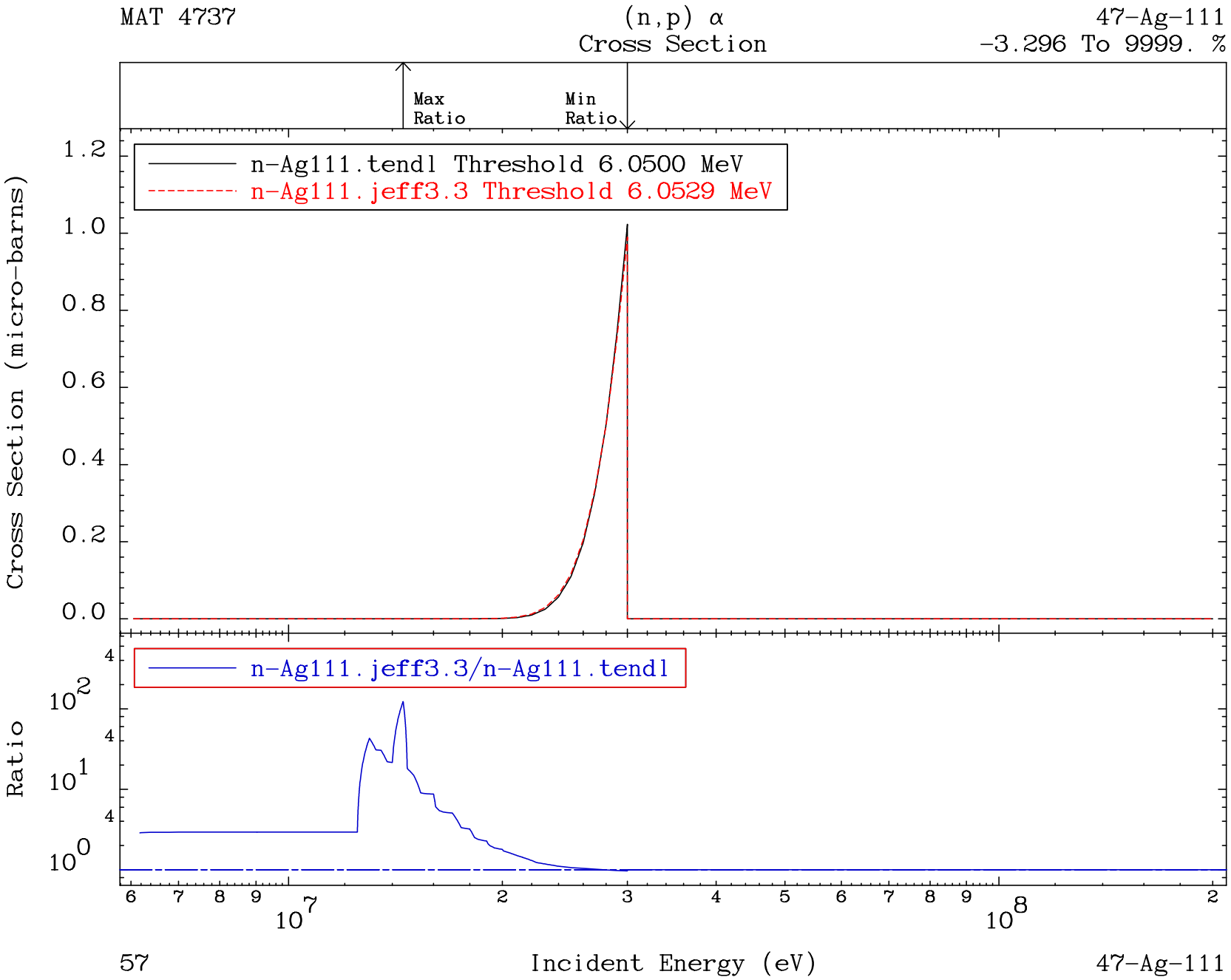

MAT 4737
(n,t)
Cross Section
47-Ag-111
-2.938 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 7.5555 MeV
n-Ag111.jeff3.3 Threshold 7.5555 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.97
0.98
0.99
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
47-Ag-111

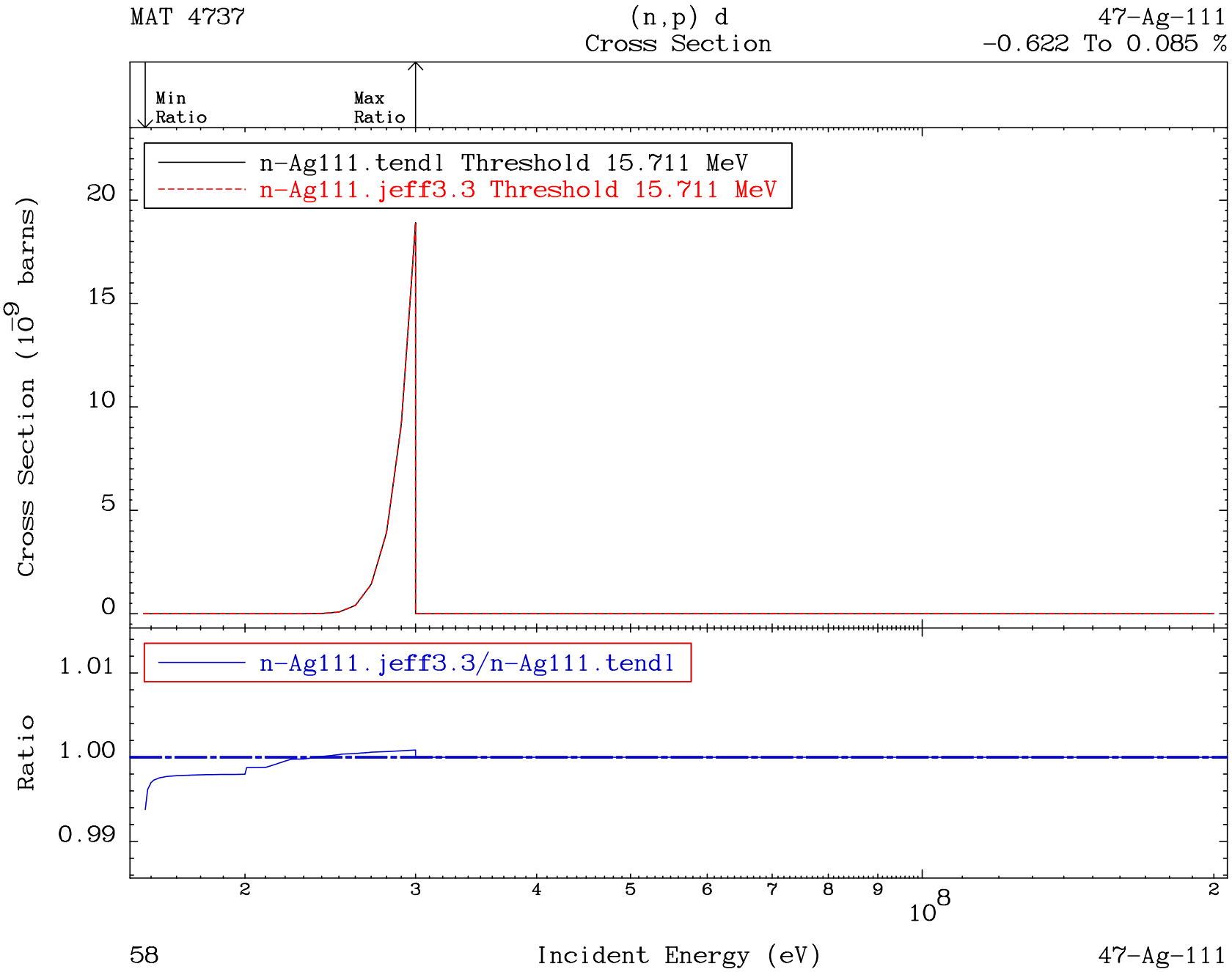

MAT 4737
(n,He-3)
Cross Section
47-Ag-111
-0.279 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 10.168 MeV
n-Ag111.jeff3.3 Threshold 10.168 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
47-Ag-111

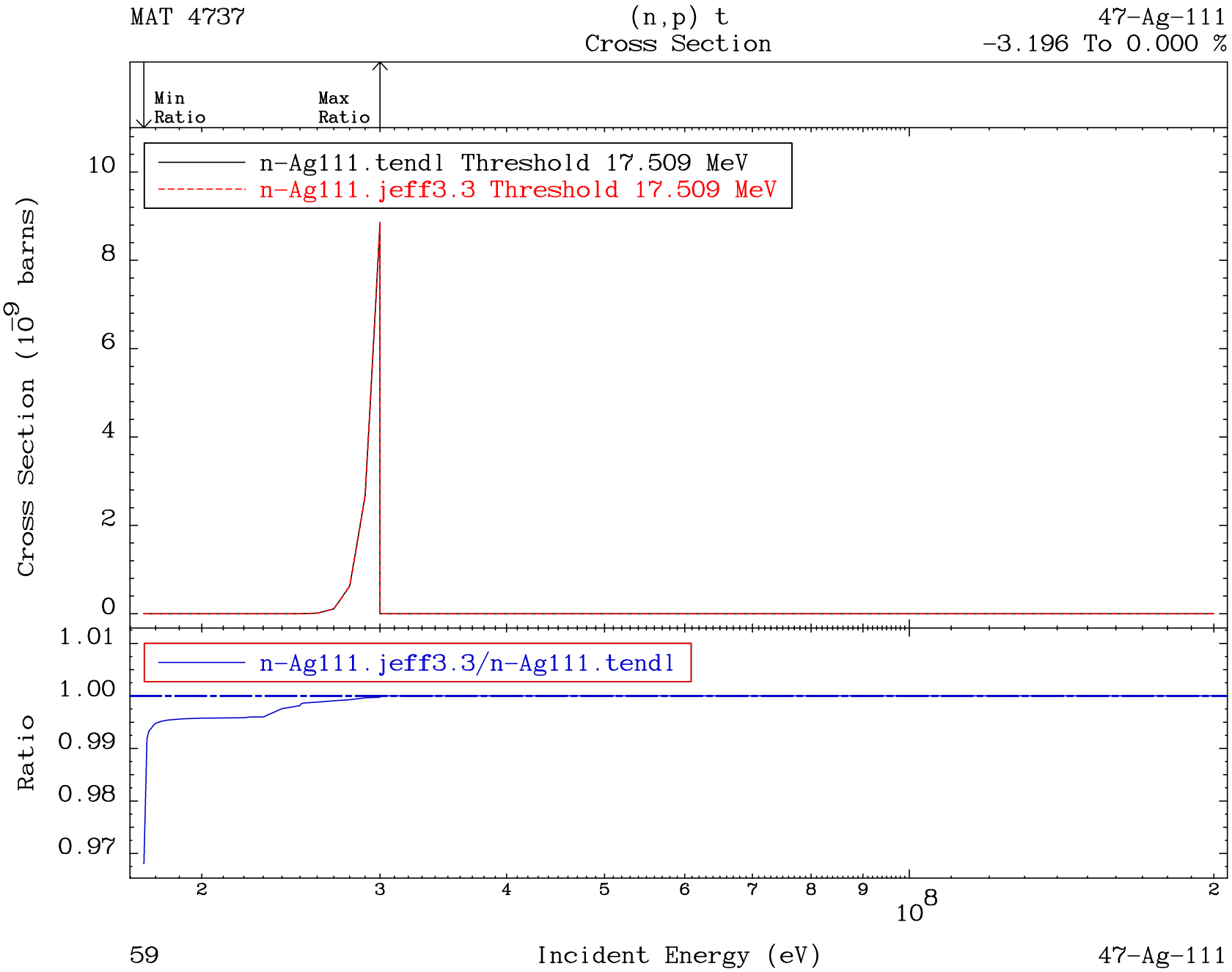

MAT 4737
(n,α)
Cross Section
47-Ag-111
-6.927 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 665.77 eV
n-Ag111.jeff3.3 Threshold 1.0174 keV
Cross Section (milli-barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
54
47-Ag-111

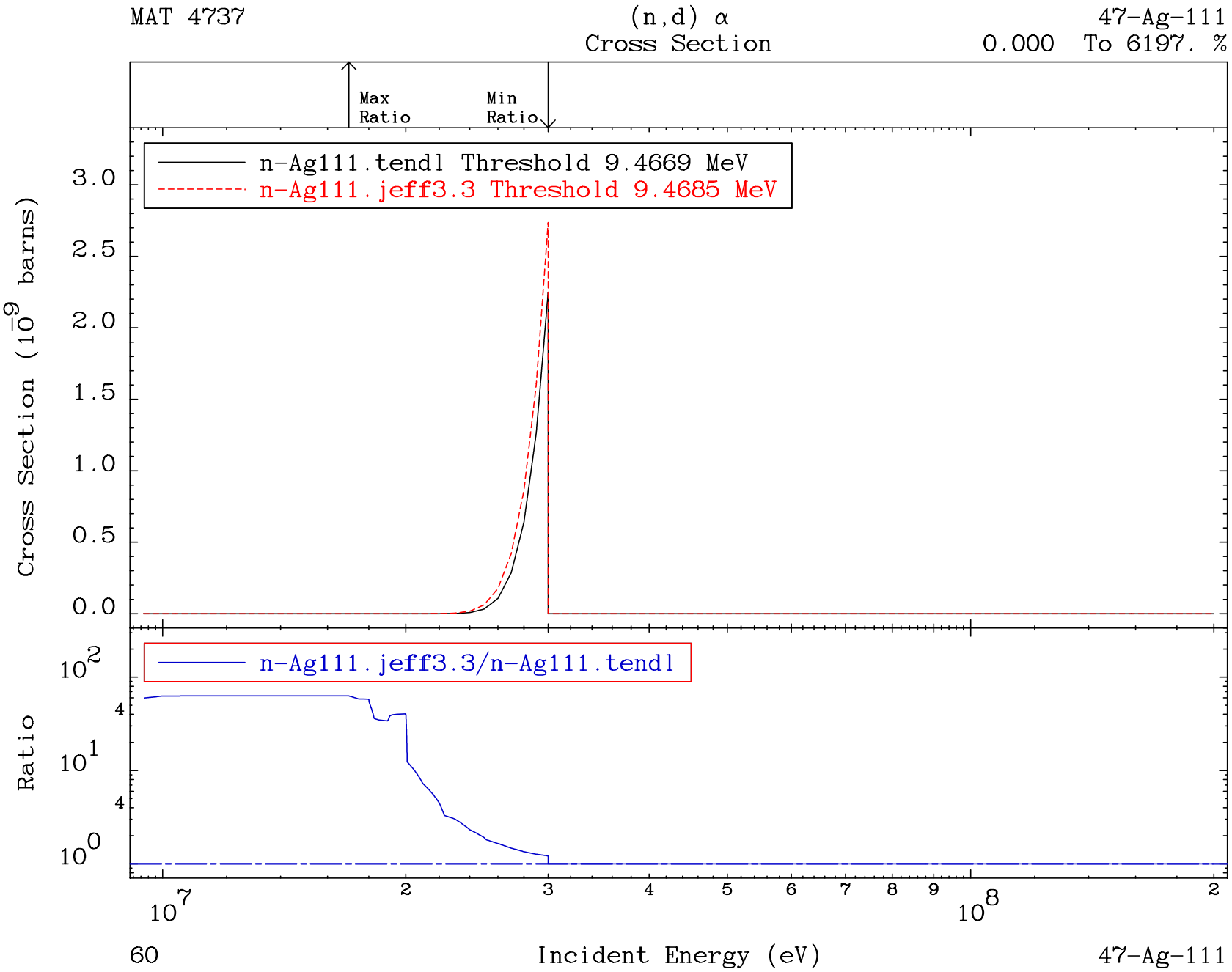

MAT 4737
(n,2α)
Cross Section
47-Ag-111
0.000 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 2.5132 MeV
n-Ag111.jeff3.3 Threshold 2.5102 MeV
Cross Section (10^-9 barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
55
47-Ag-111

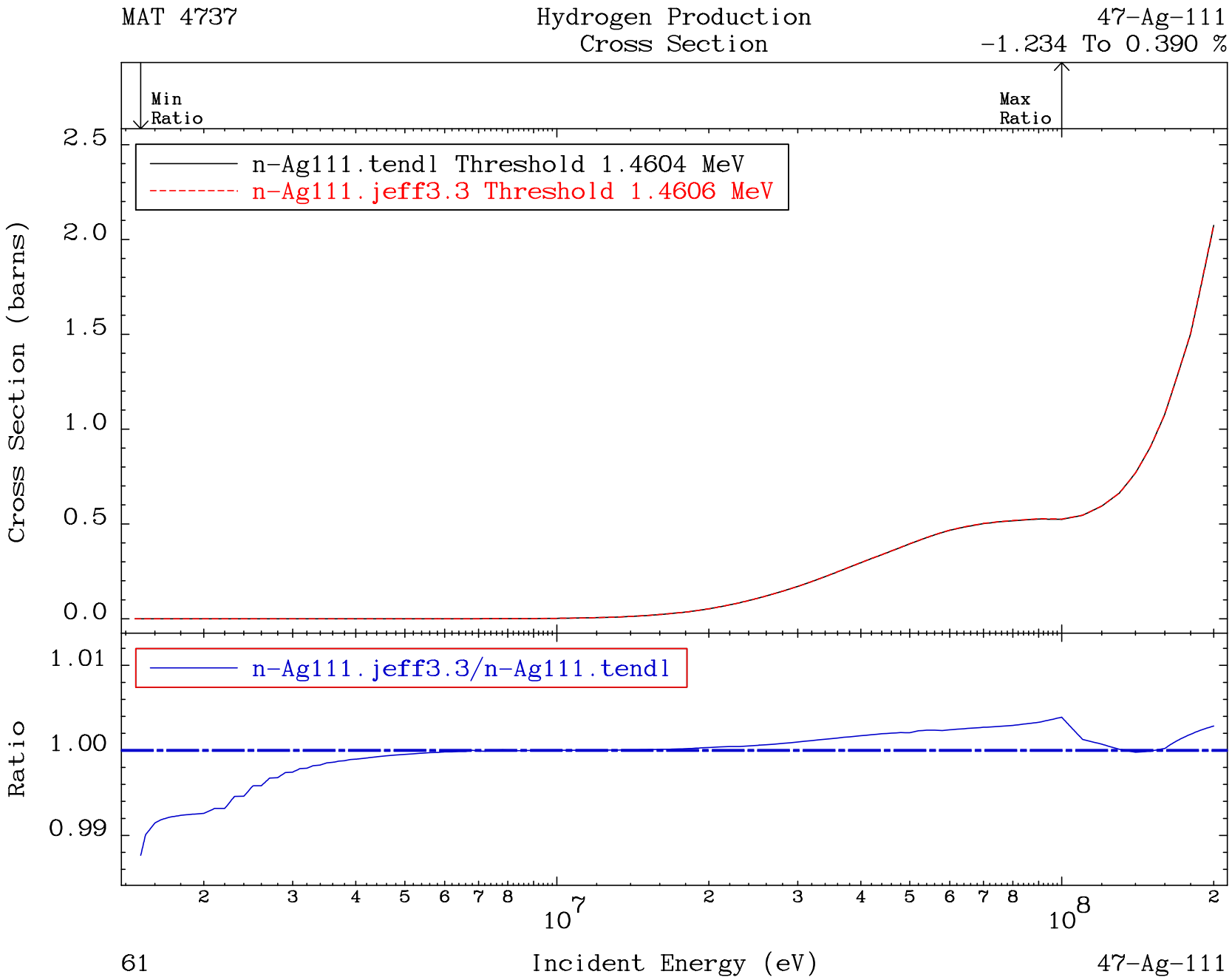

MAT 4737
(n,2p)
Cross Section
47-Ag-111
-0.517 To 0.132 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 12.002 MeV
n-Ag111.jeff3.3 Threshold 12.002 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
47-Ag-111

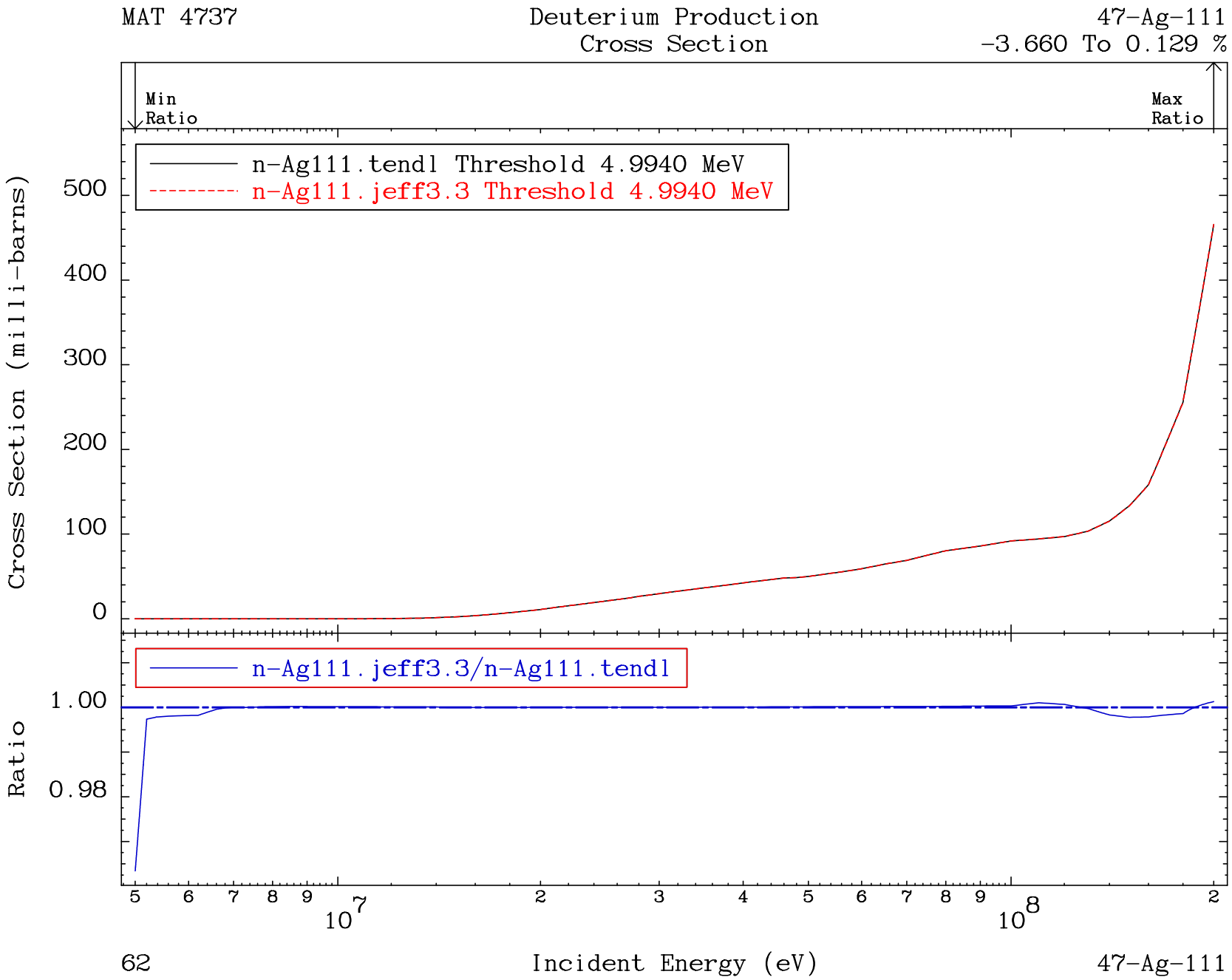

MAT 4737
(n,p) α
Cross Section
47-Ag-111
-3.296 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 6.0500 MeV
n-Ag111.jeff3.3 Threshold 6.0529 MeV
Cross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
10^1
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
47-Ag-111

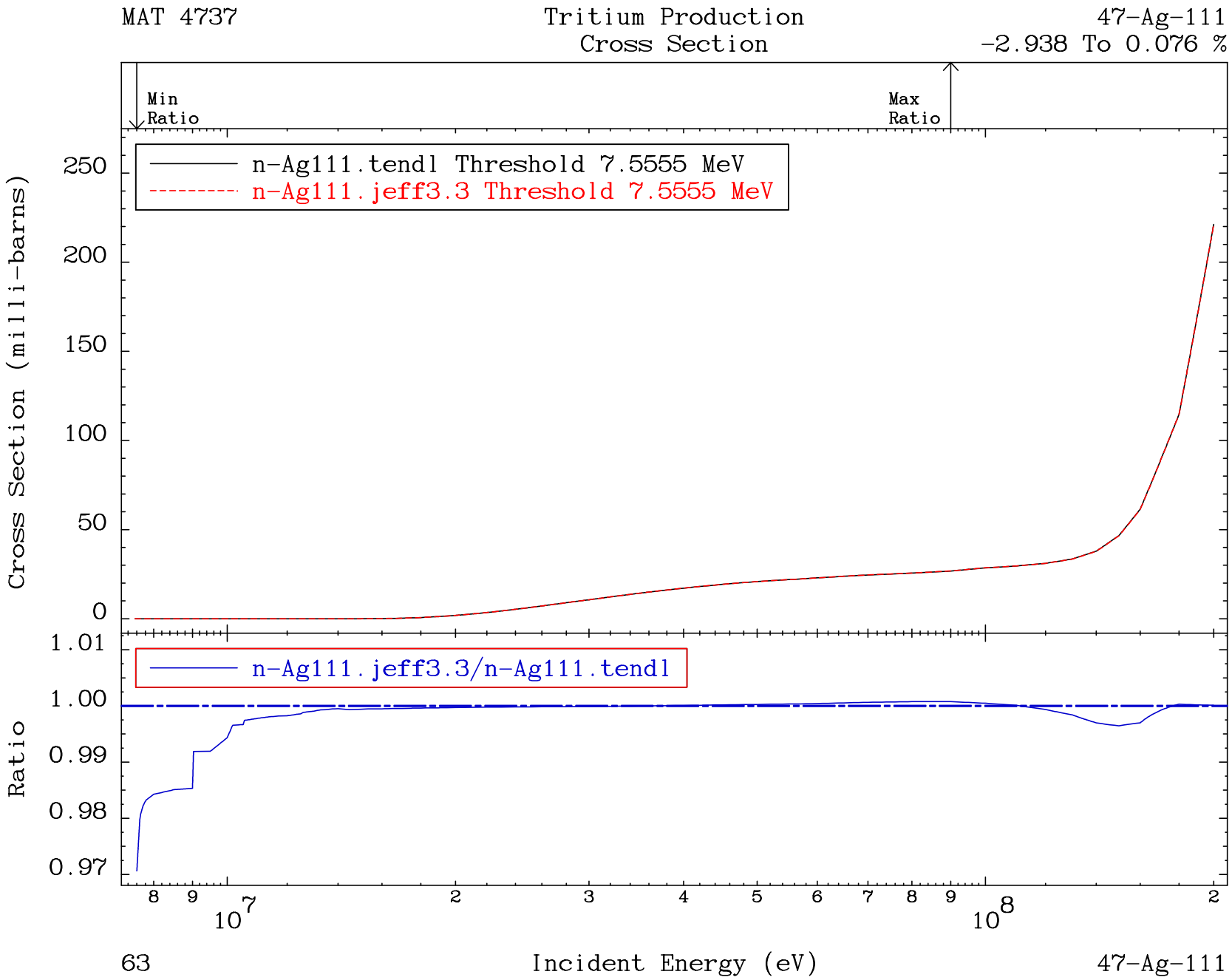

MAT 4737
(n,p) d
Cross Section
47-Ag-111
-0.622 To 0.085 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.711 MeV
n-Ag111.jeff3.3 Threshold 15.711 MeV
Cross Section (10^{-9} barns)
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
47-Ag-111

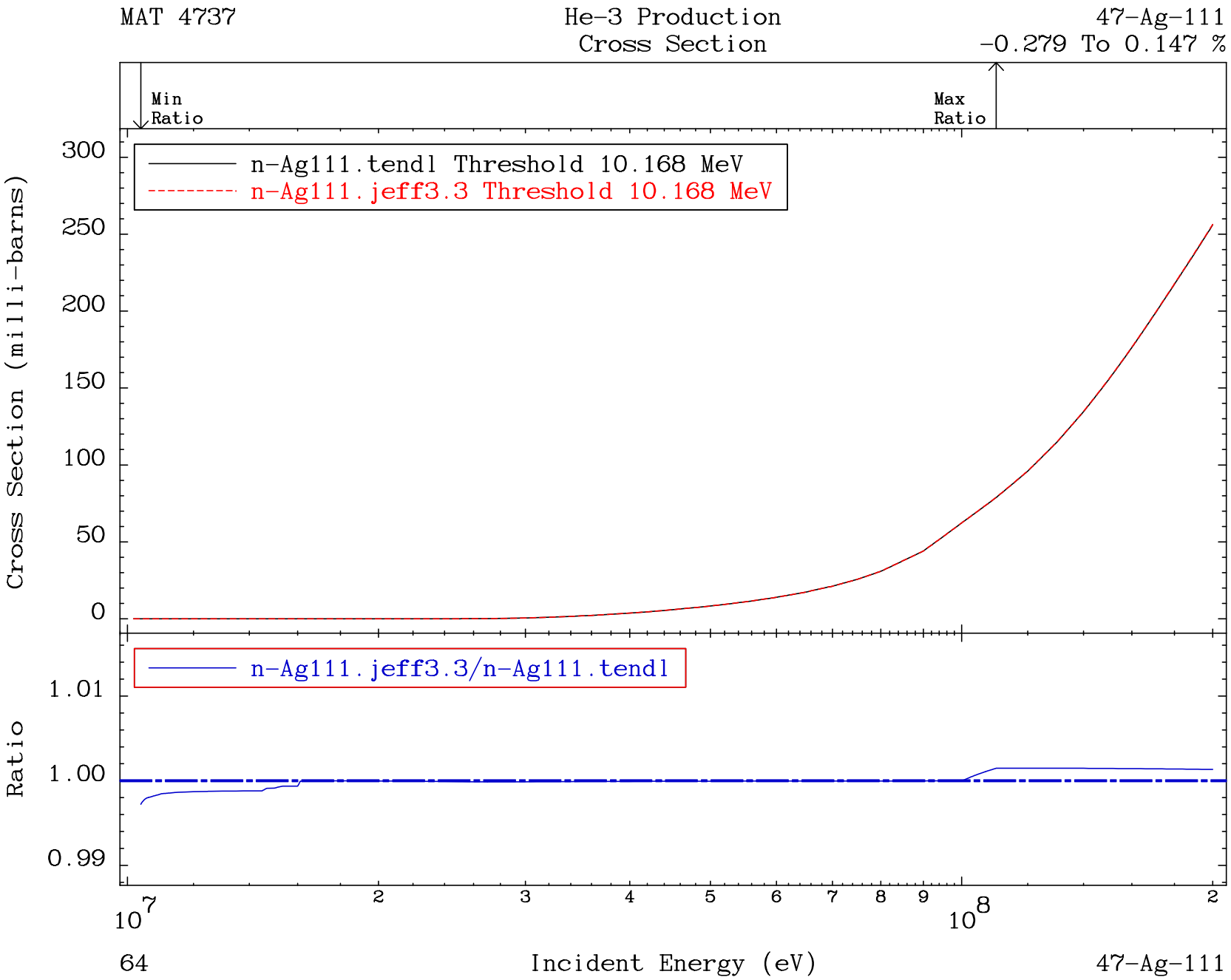

MAT 4737
(n,p) t
Cross Section
47-Ag-111
-3.196 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 17.509 MeV
n-Ag111.jeff3.3 Threshold 17.509 MeV
Cross Section (10^{-9} barns)
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
2
3
4
5
6
7
8
9
10^{8}
2
59
Incident Energy (eV)
47-Ag-111

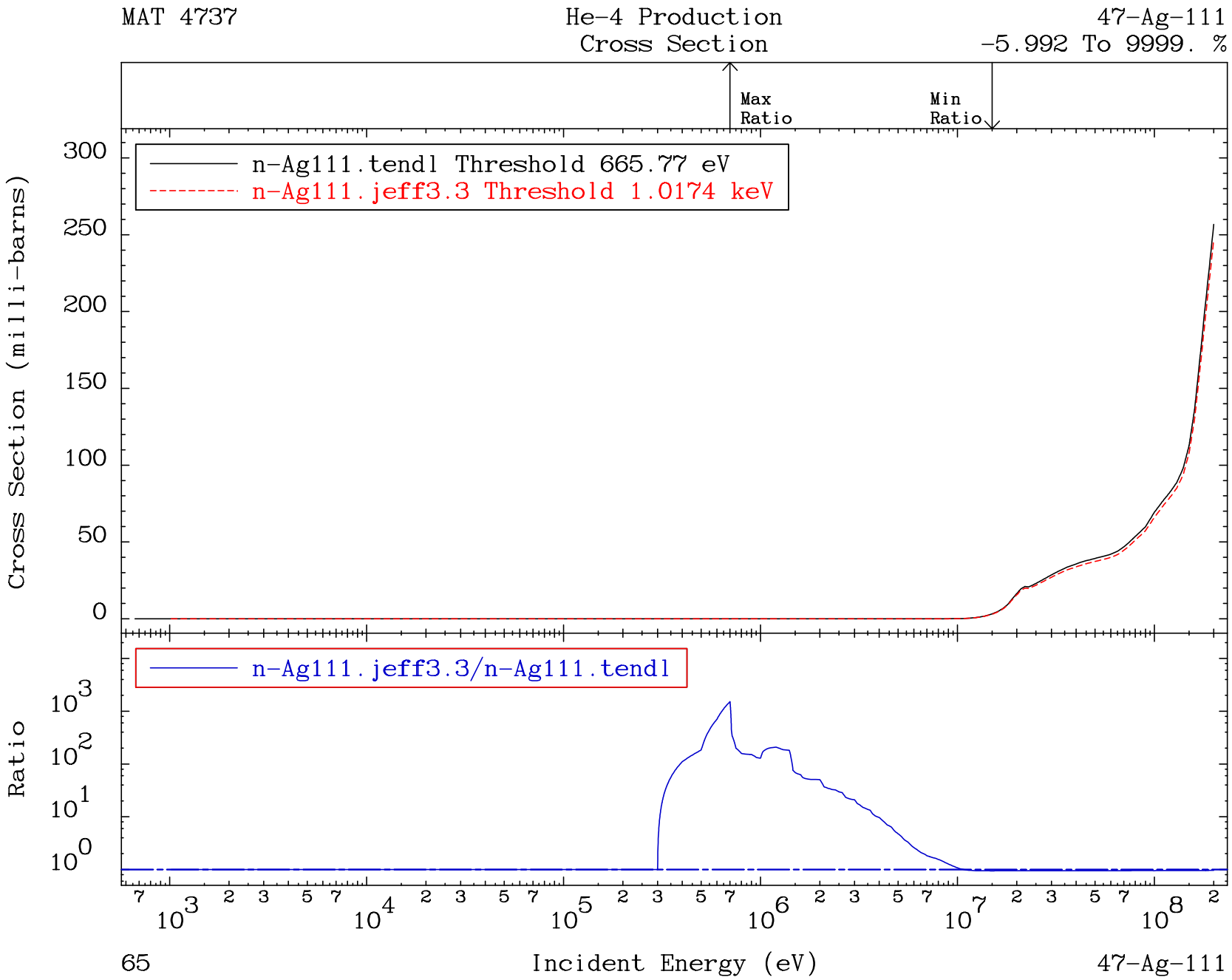

MAT 4737
(n,d) α
Cross Section
47-Ag-111
0.000 To 6197. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 9.4669 MeV
n-Ag111.jeff3.3 Threshold 9.4685 MeV
Cross Section (10^-9 barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
10^1
10^0
10^7
10^8
Incident Energy (eV)
60
47-Ag-111

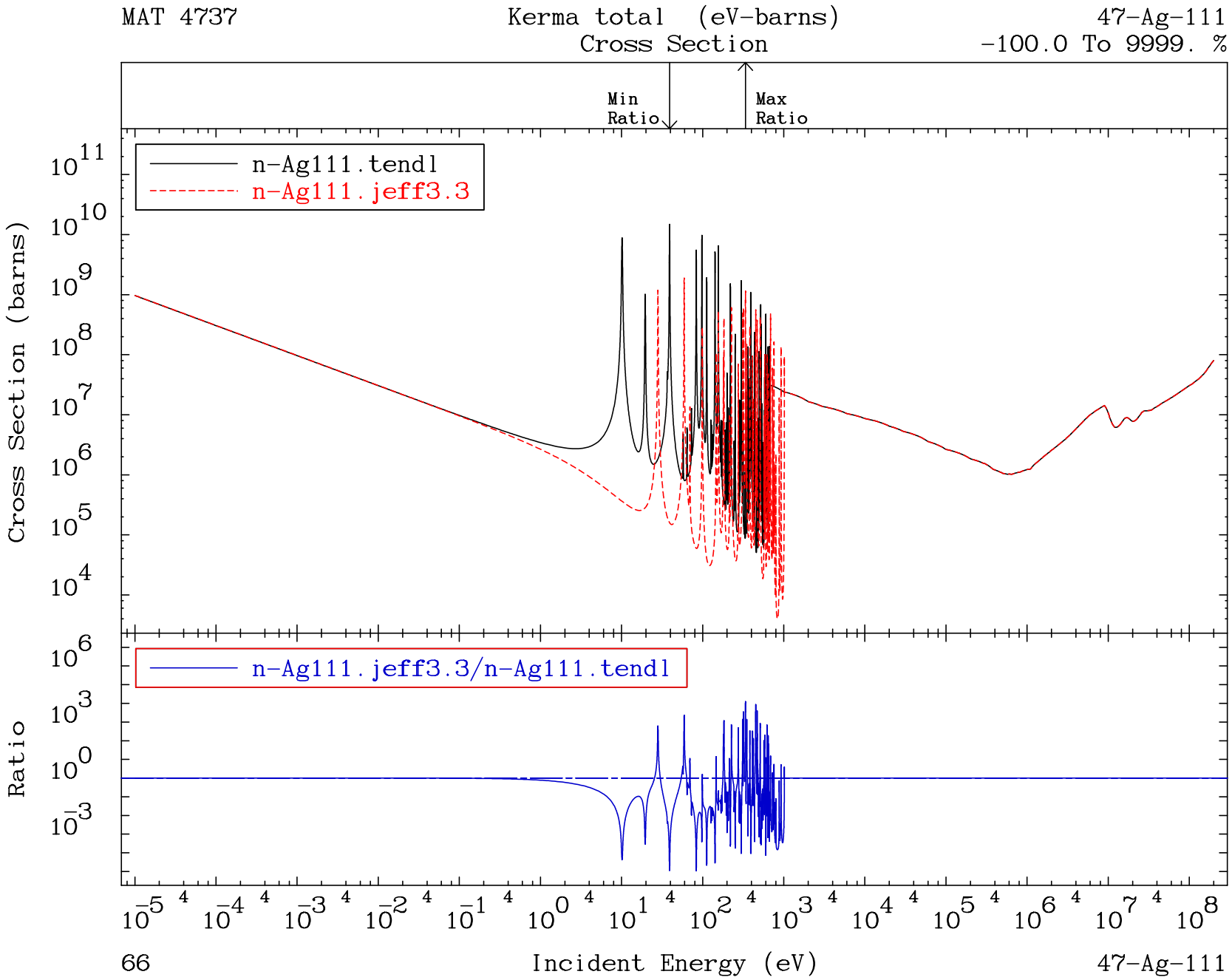

MAT 4737
Hydrogen Production
Cross Section
47-Ag-111
-1.234 To 0.390 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.4604 MeV
n-Ag111.jeff3.3 Threshold 1.4606 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
61
Incident Energy (eV)
47-Ag-111

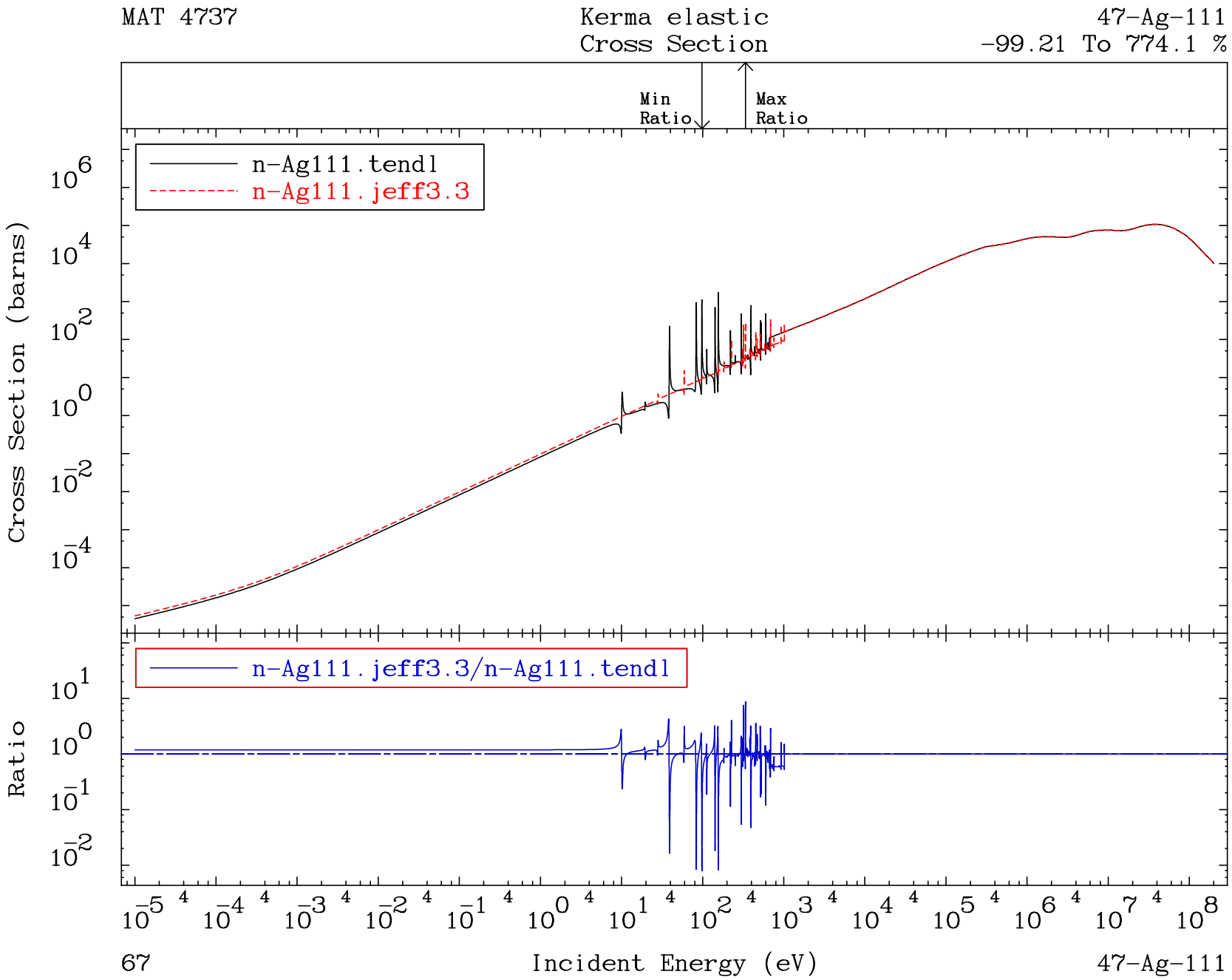

MAT 4737
Deuterium Production
Cross Section
47-Ag-111
-3.660 To 0.129 %
Min
Ratio
Max
Ratio
n-Ag111.tendl Threshold 4.9940 MeV
n-Ag111.jeff3.3 Threshold 4.9940 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.98
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
62
Incident Energy (eV)
47-Ag-111

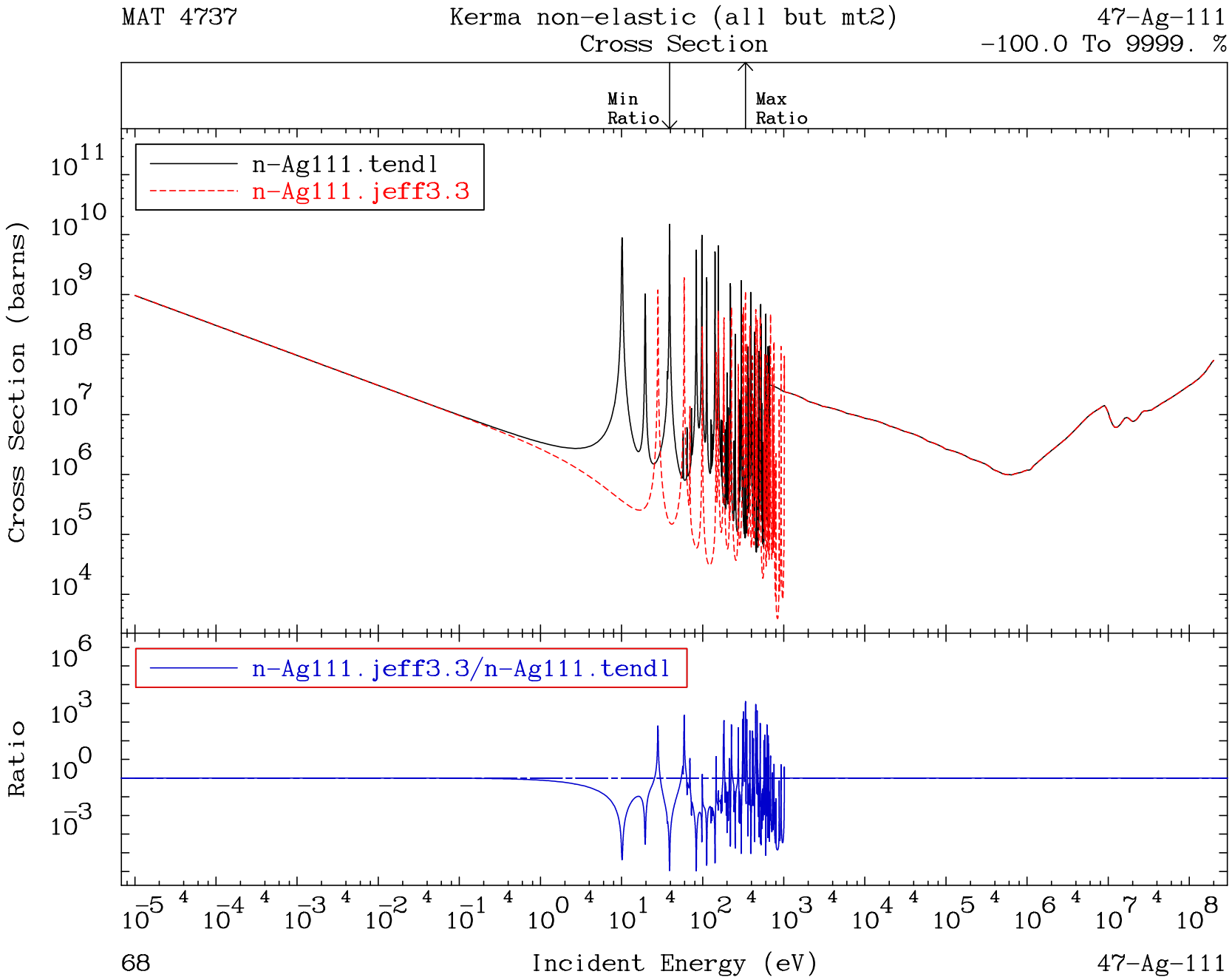

MAT 4737
Tritium Production
Cross Section
47-Ag-111
-2.938 To 0.076 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 7.5555 MeV
n-Ag111.jeff3.3 Threshold 7.5555 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
47-Ag-111

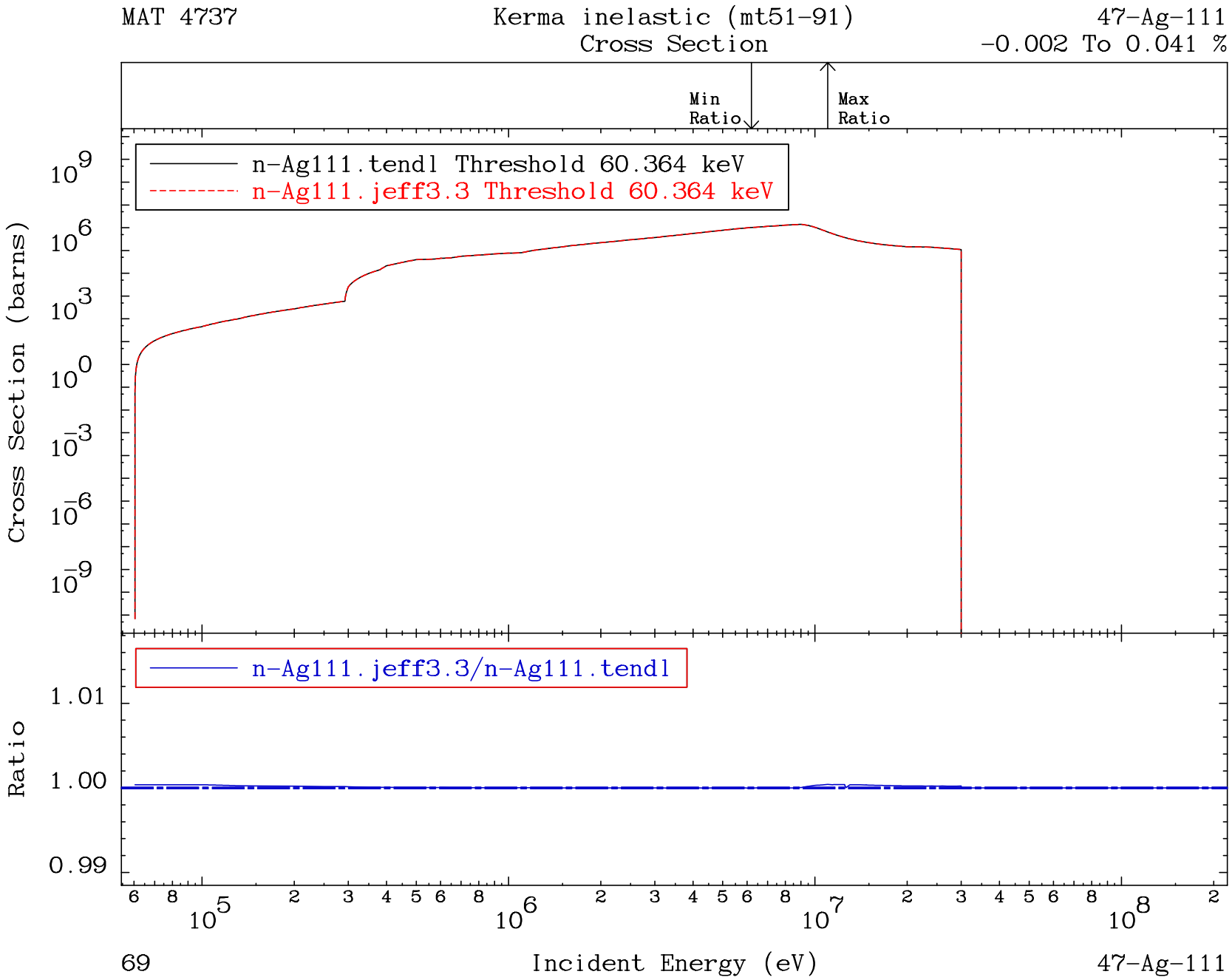

MAT 4737
He-3 Production
Cross Section
47-Ag-111
-0.279 To 0.147 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 10.168 MeV
n-Ag111.jeff3.3 Threshold 10.168 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
47-Ag-111

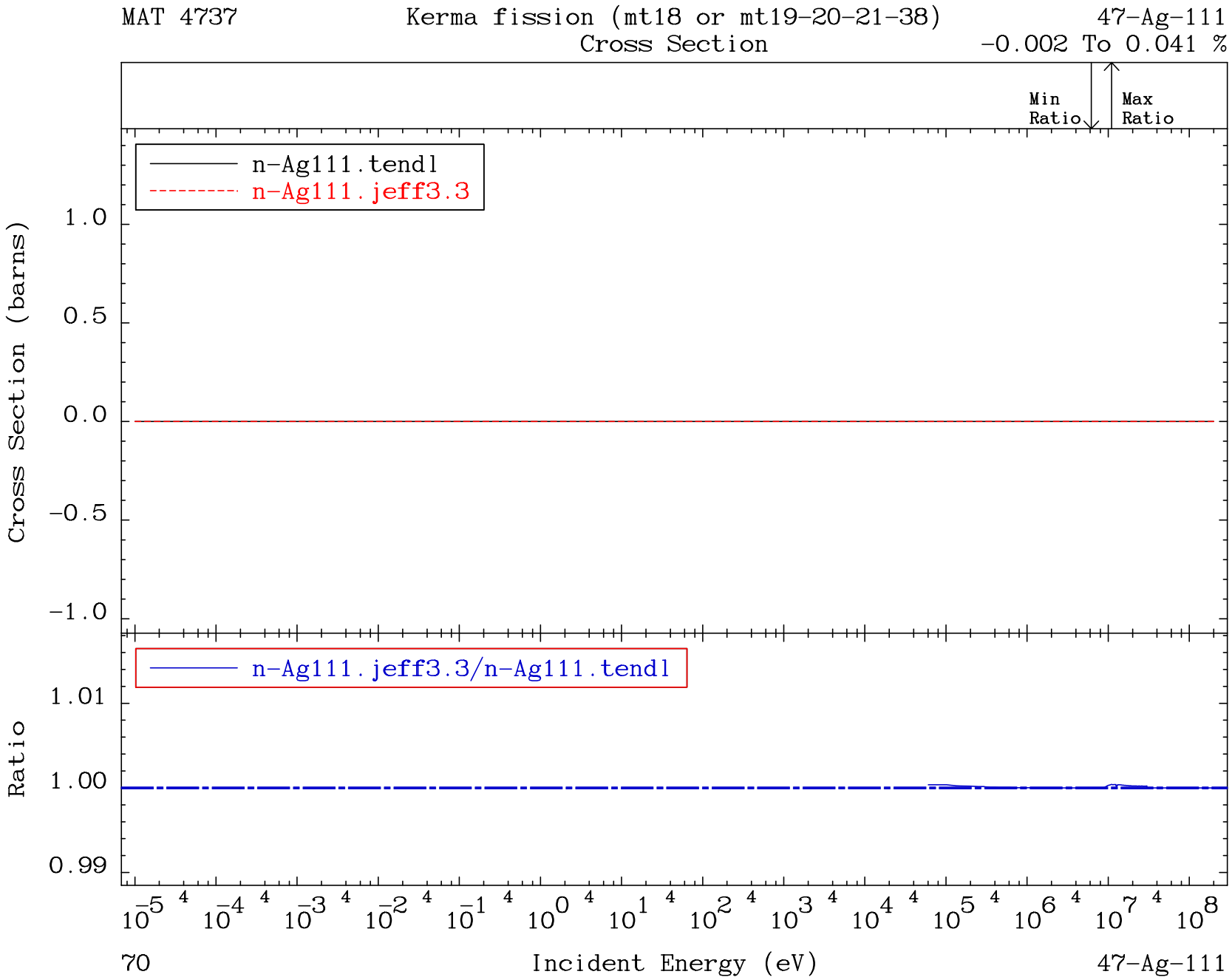

MAT 4737
He-4 Production
Cross Section
47-Ag-111
-5.992 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 665.77 eV
n-Ag111.jeff3.3 Threshold 1.0174 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^3
10^2
10^1
10^0
7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
65
Incident Energy (eV)
47-Ag-111

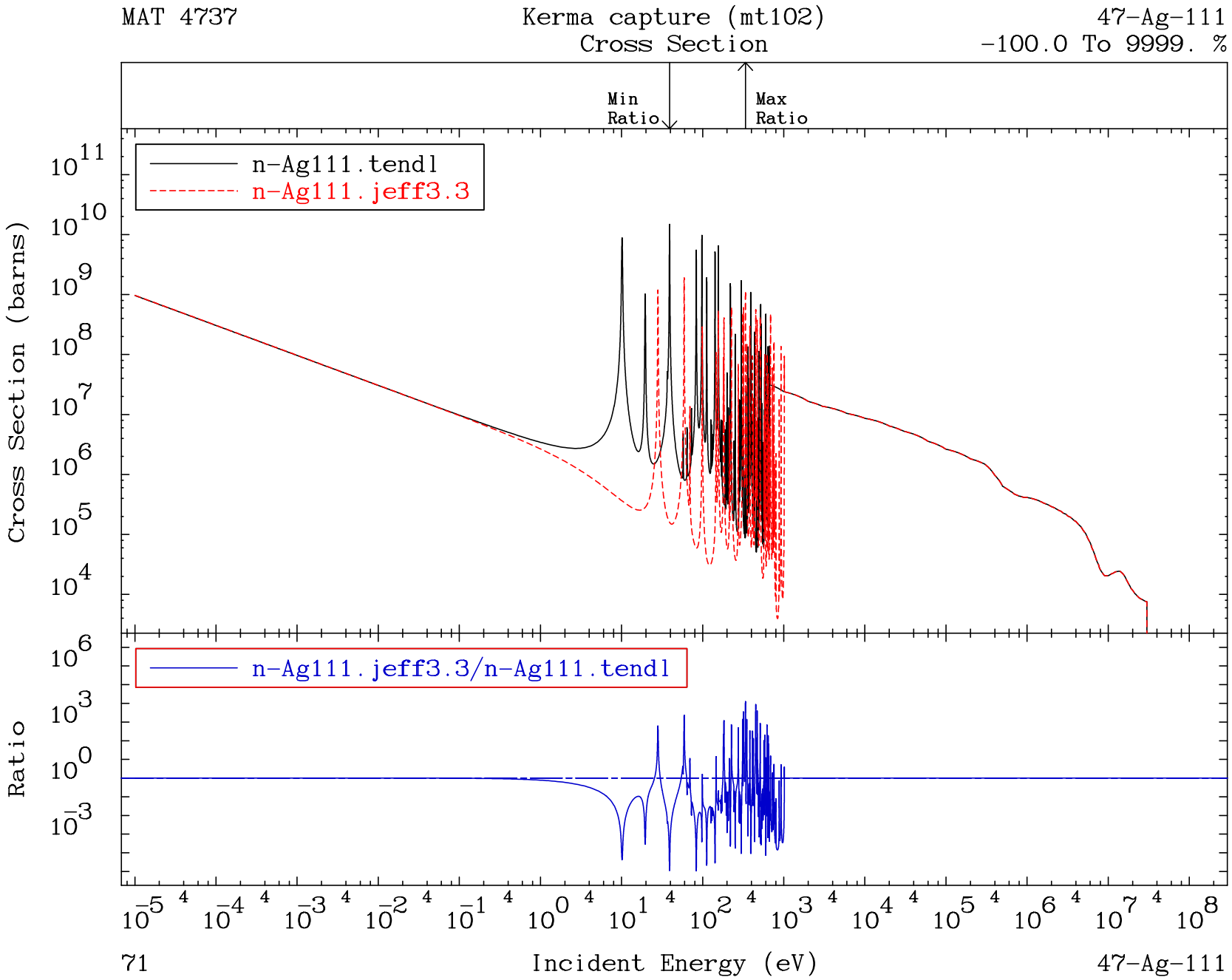

MAT 4737
Kerma total (eV-barns)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
66
47-Ag-111

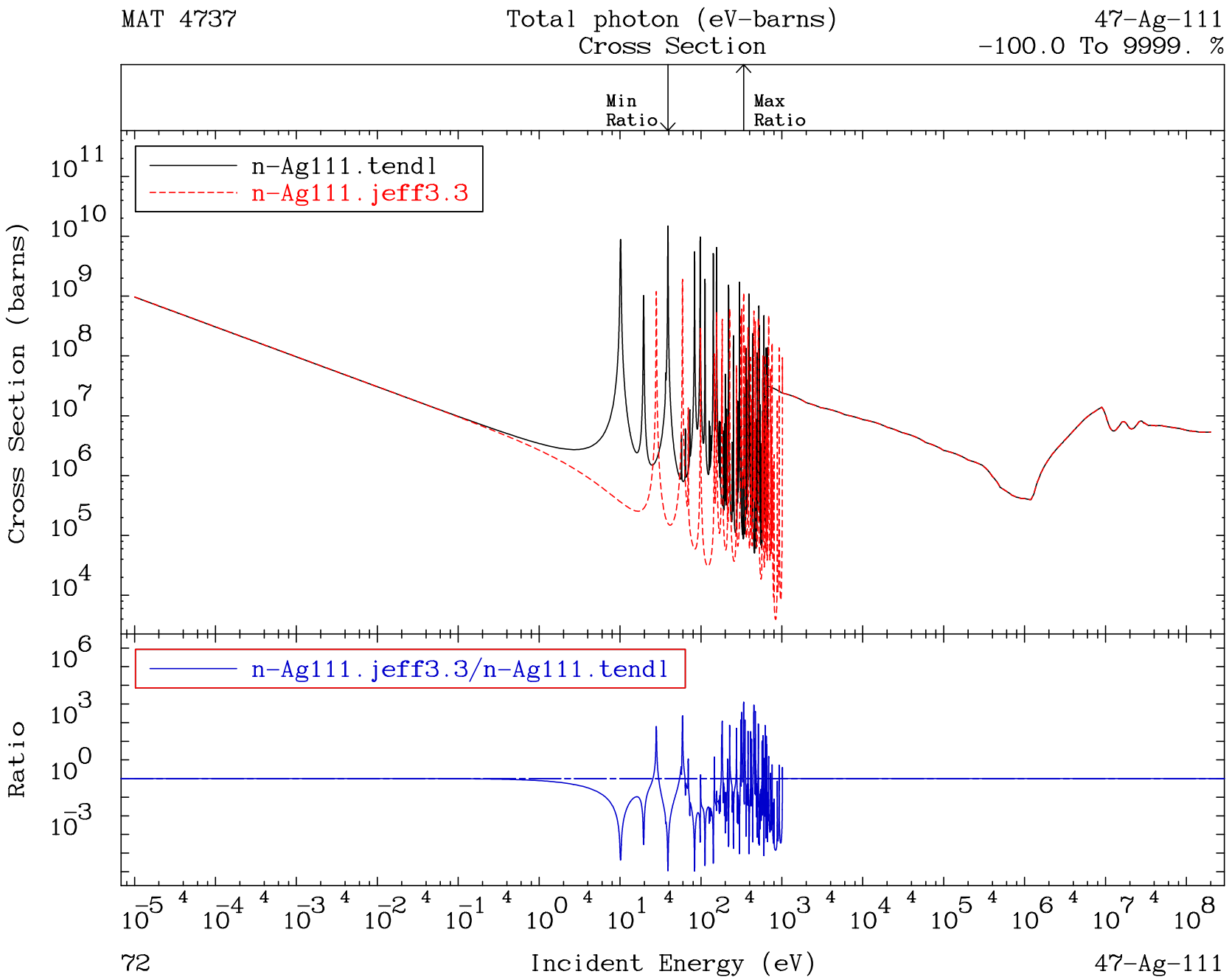

MAT 4737
Kerma elastic
Cross Section
47-Ag-111
-99.21 To 774.1 %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
67
47-Ag-111

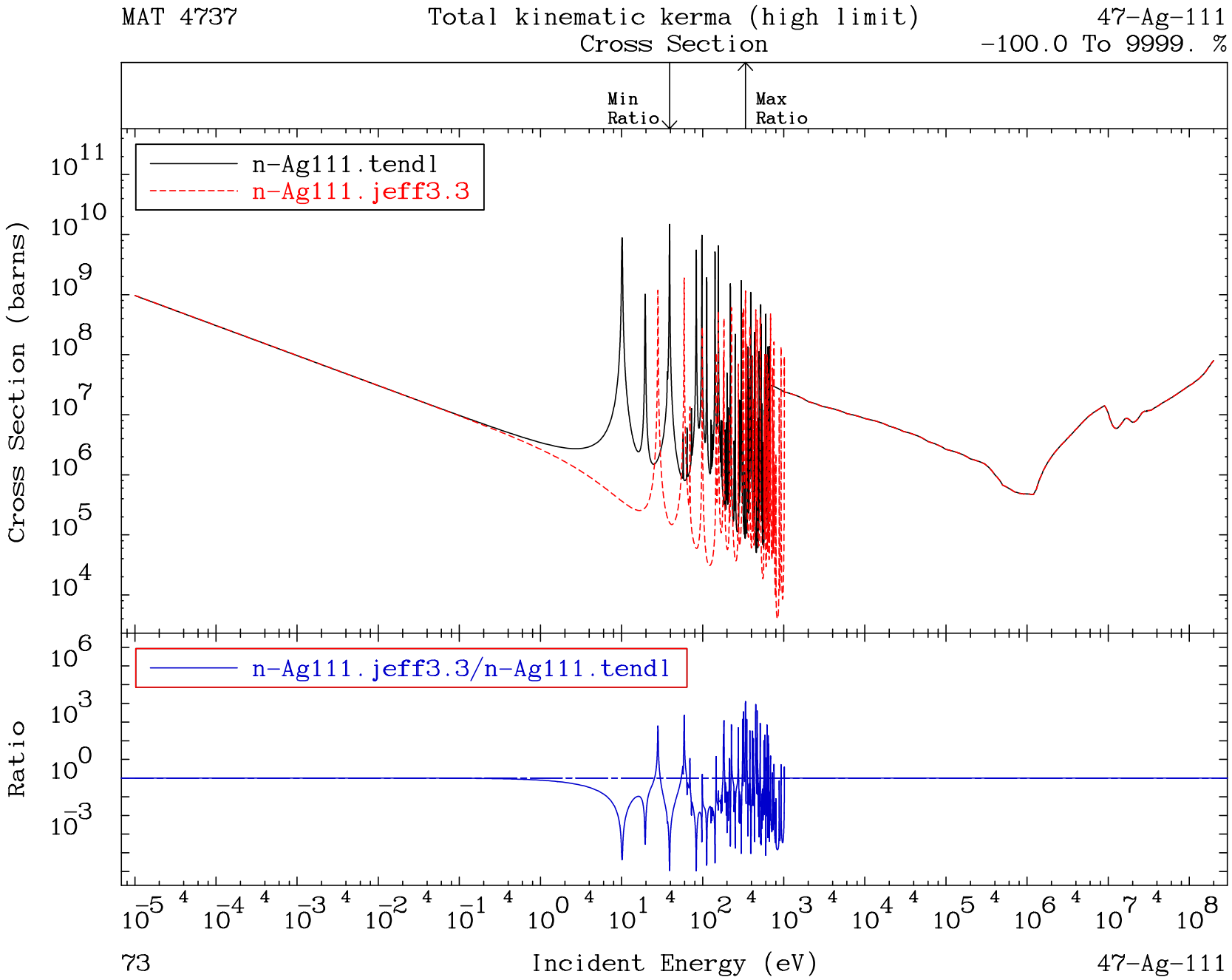

MAT 4737
Kerma non-elastic (all but mt2)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
68
47-Ag-111

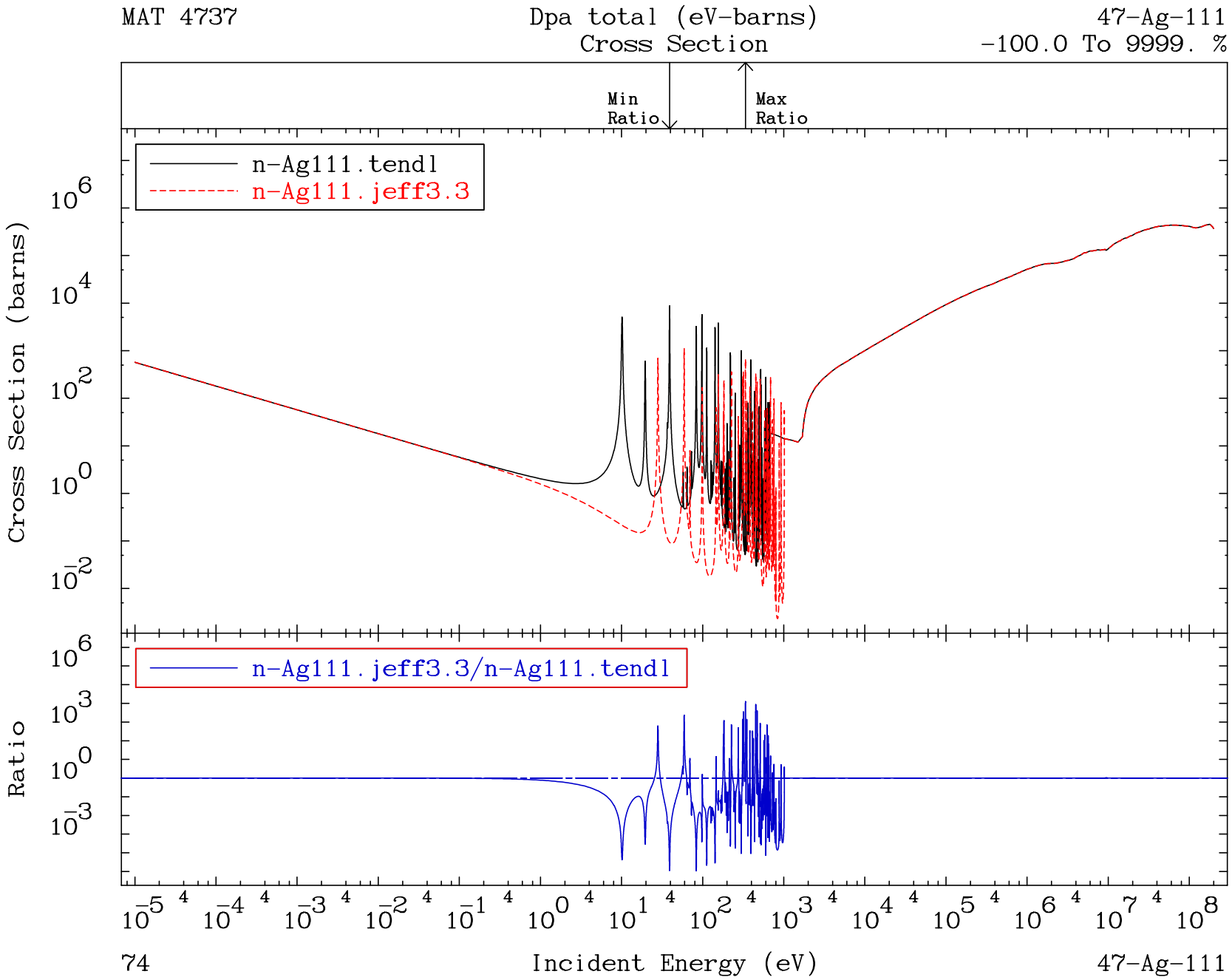

MAT 4737
Kerma inelastic (mt51-91)
Cross Section
47-Ag-111
-0.002 To 0.041 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jeff3.3 Threshold 60.364 keV
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
69
47-Ag-111

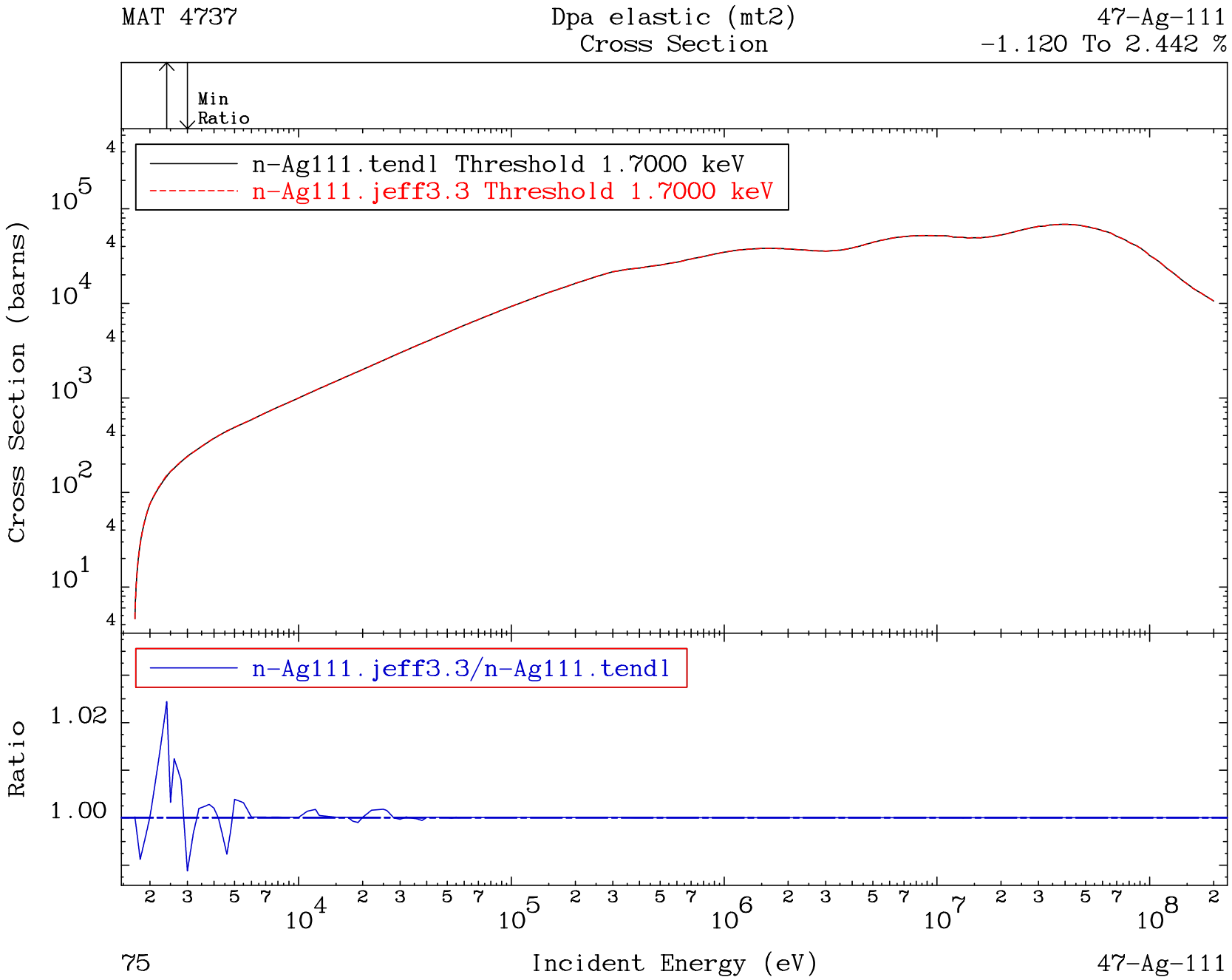

MAT 4737
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
47-Ag-111
-0.002 To 0.041 %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
70
Incident Energy (eV)
47-Ag-111

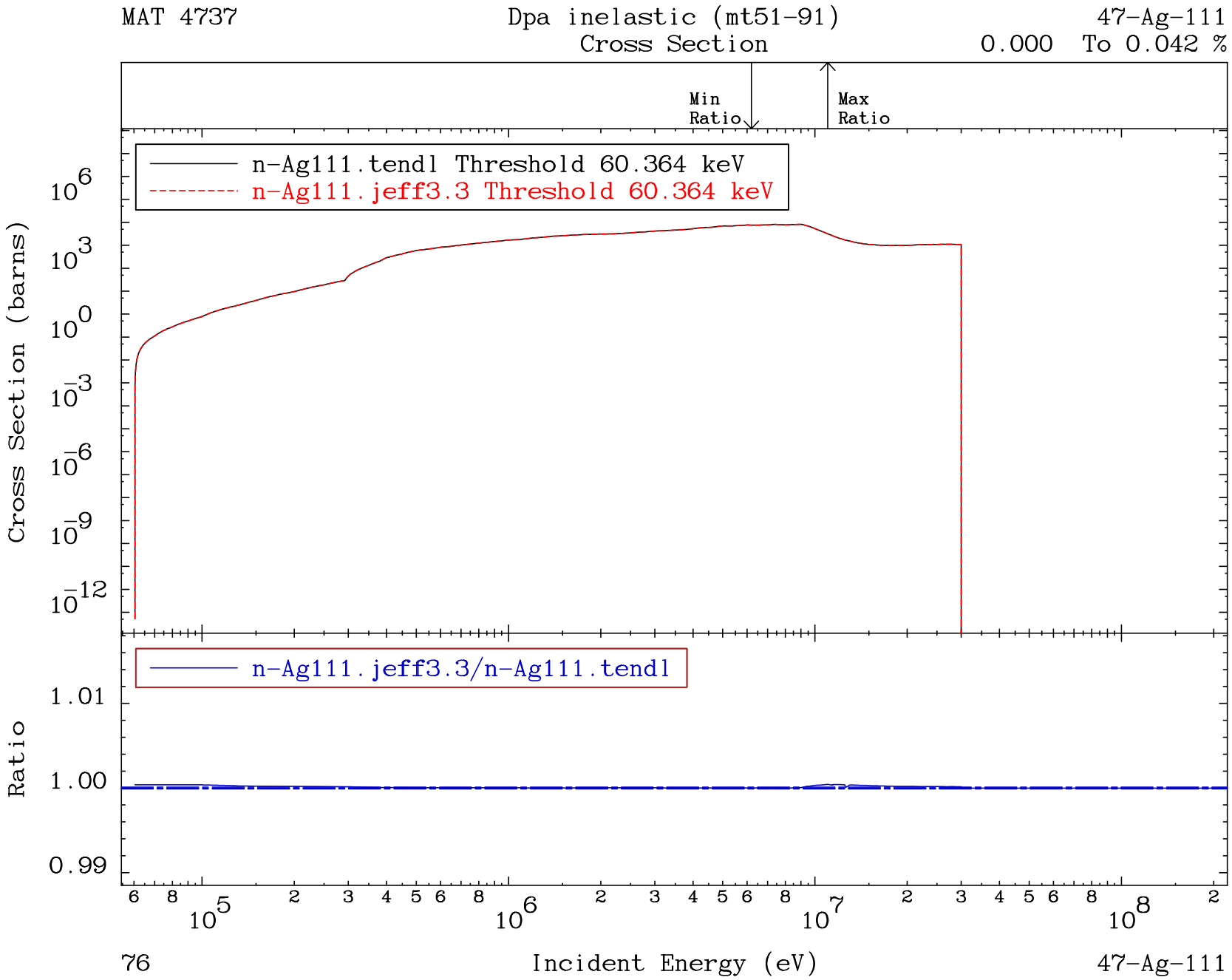

MAT 4737
Kerma capture (mt102)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
71
47-Ag-111

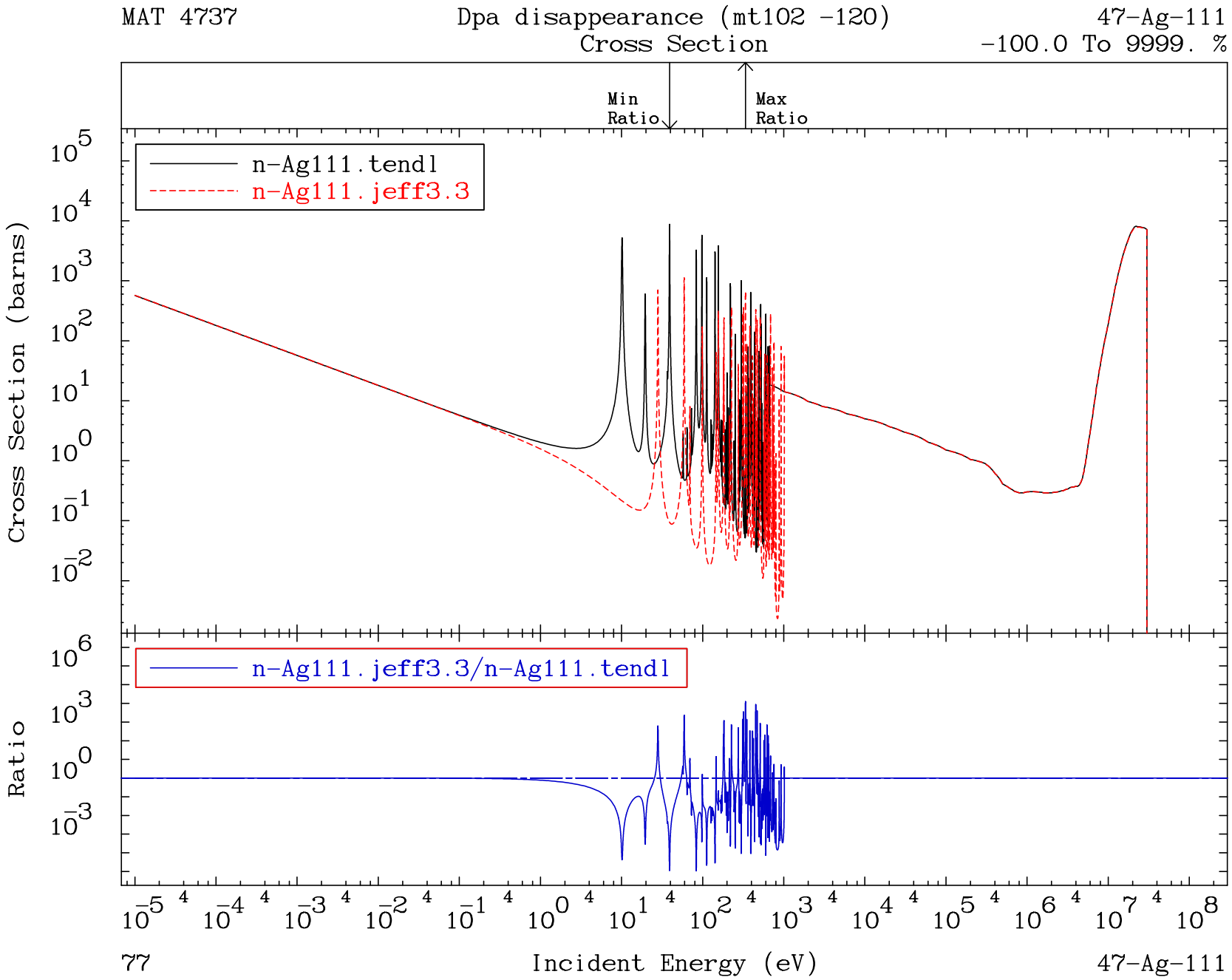

MAT 4737
Total photon (eV-barns)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
72
47-Ag-111

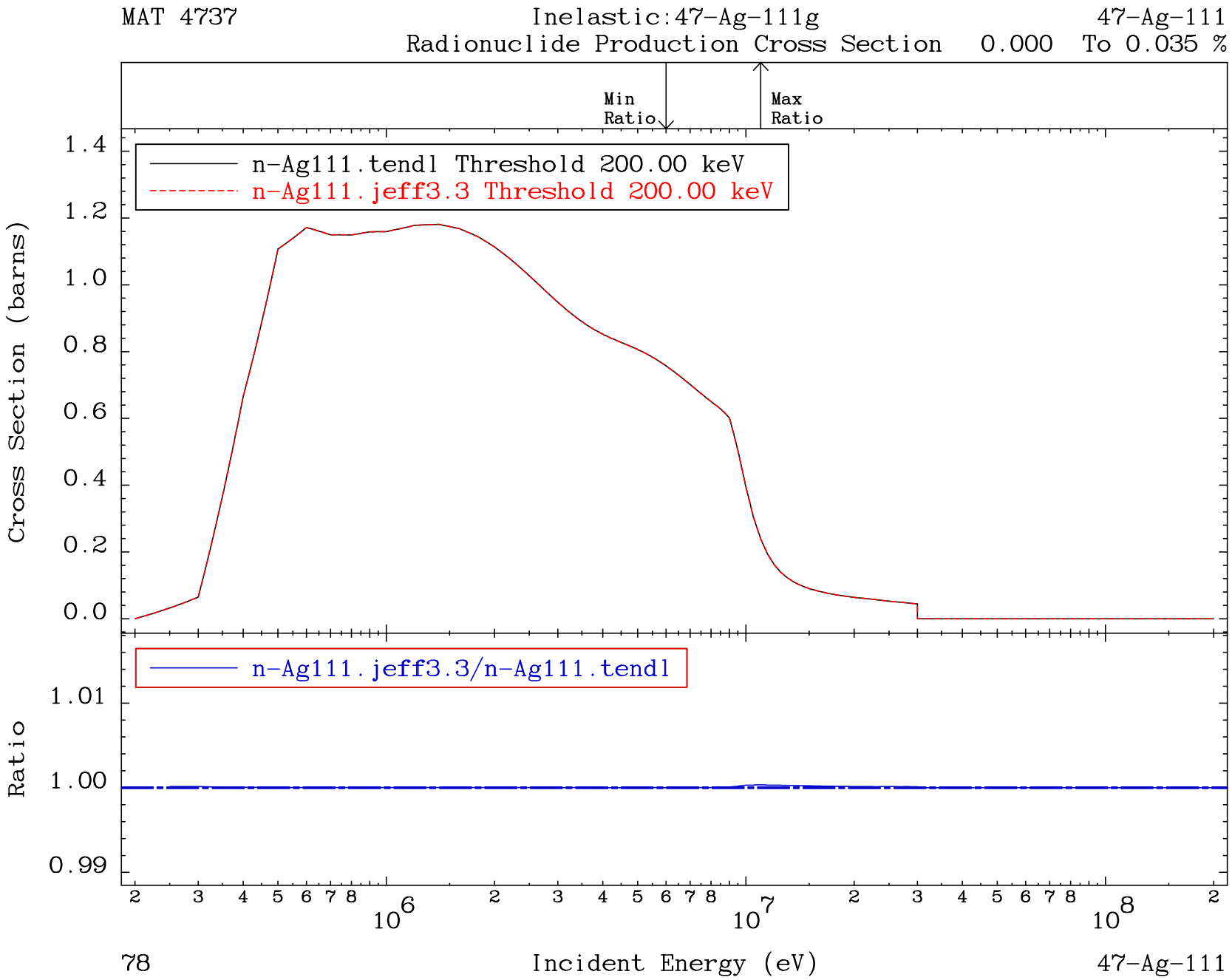

MAT 4737
Total kinematic kerma (high limit)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
73
47-Ag-111

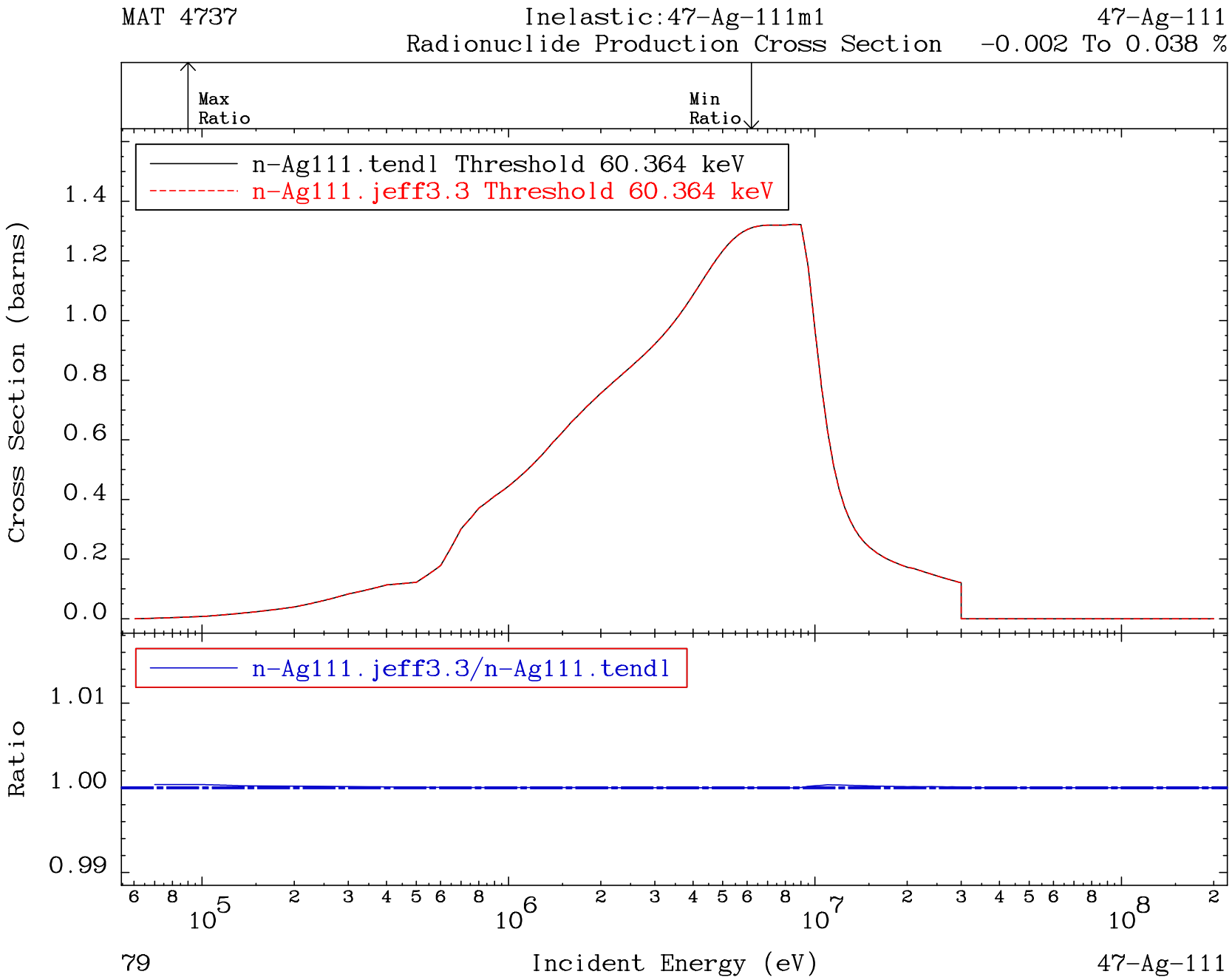

MAT 4737
Dpa total (eV-barns)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
74
Incident Energy (eV)
47-Ag-111

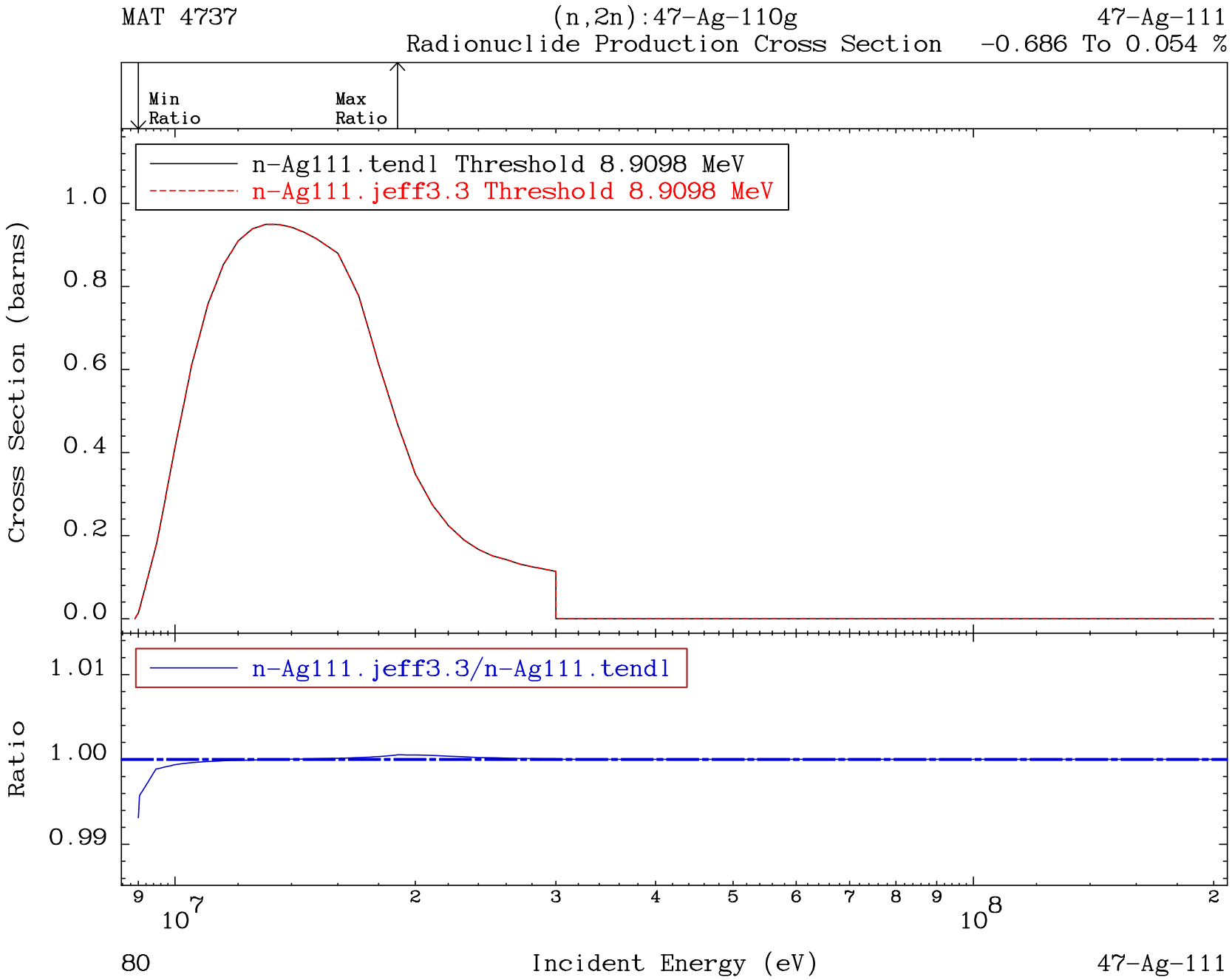

MAT 4737
Dpa elastic (mt2)
Cross Section
47-Ag-111
-1.120 To 2.442 %
Min
Ratio
n-Ag111.tendl Threshold 1.7000 keV
n-Ag111.jeff3.3 Threshold 1.7000 keV
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
75
47-Ag-111

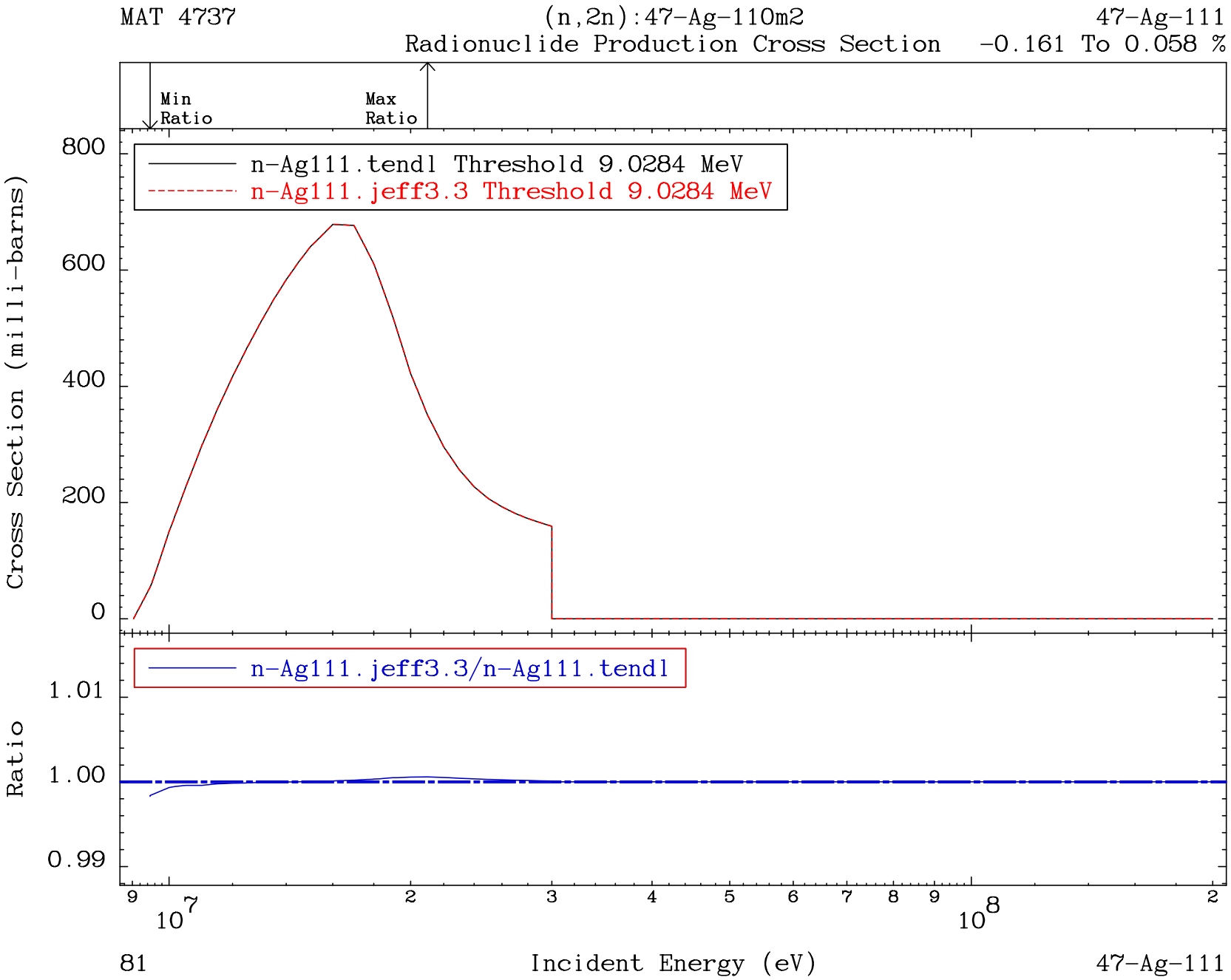

MAT 4737
Dpa inelastic (mt51-91)
Cross Section
47-Ag-111
0.000 To 0.042 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jeff3.3 Threshold 60.364 keV
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
76
47-Ag-111

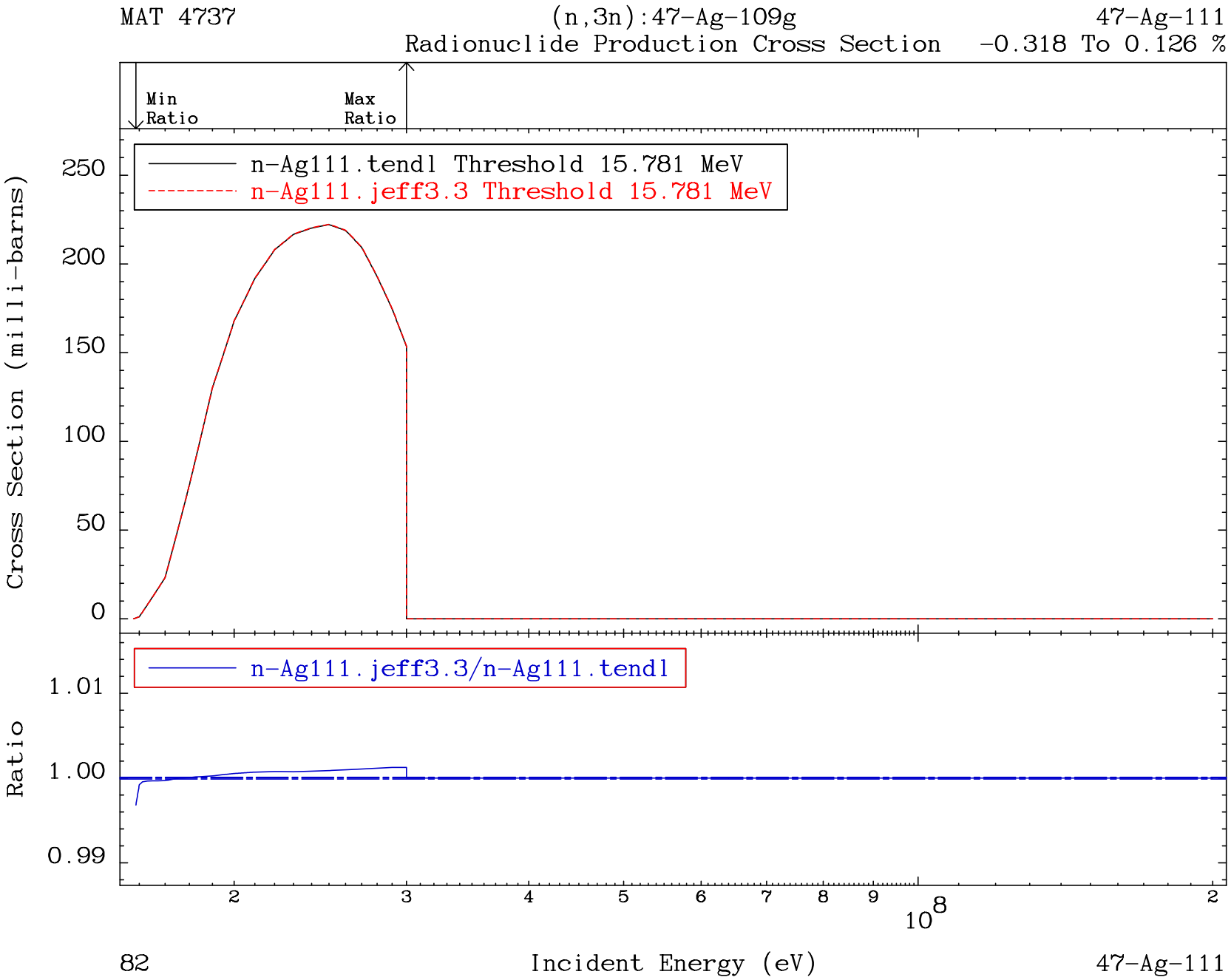

MAT 4737
Dpa disappearance (mt102 -120)
Cross Section
47-Ag-111
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ag111.tendl
n-Ag111.jeff3.3
Cross Section (barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
77
47-Ag-111

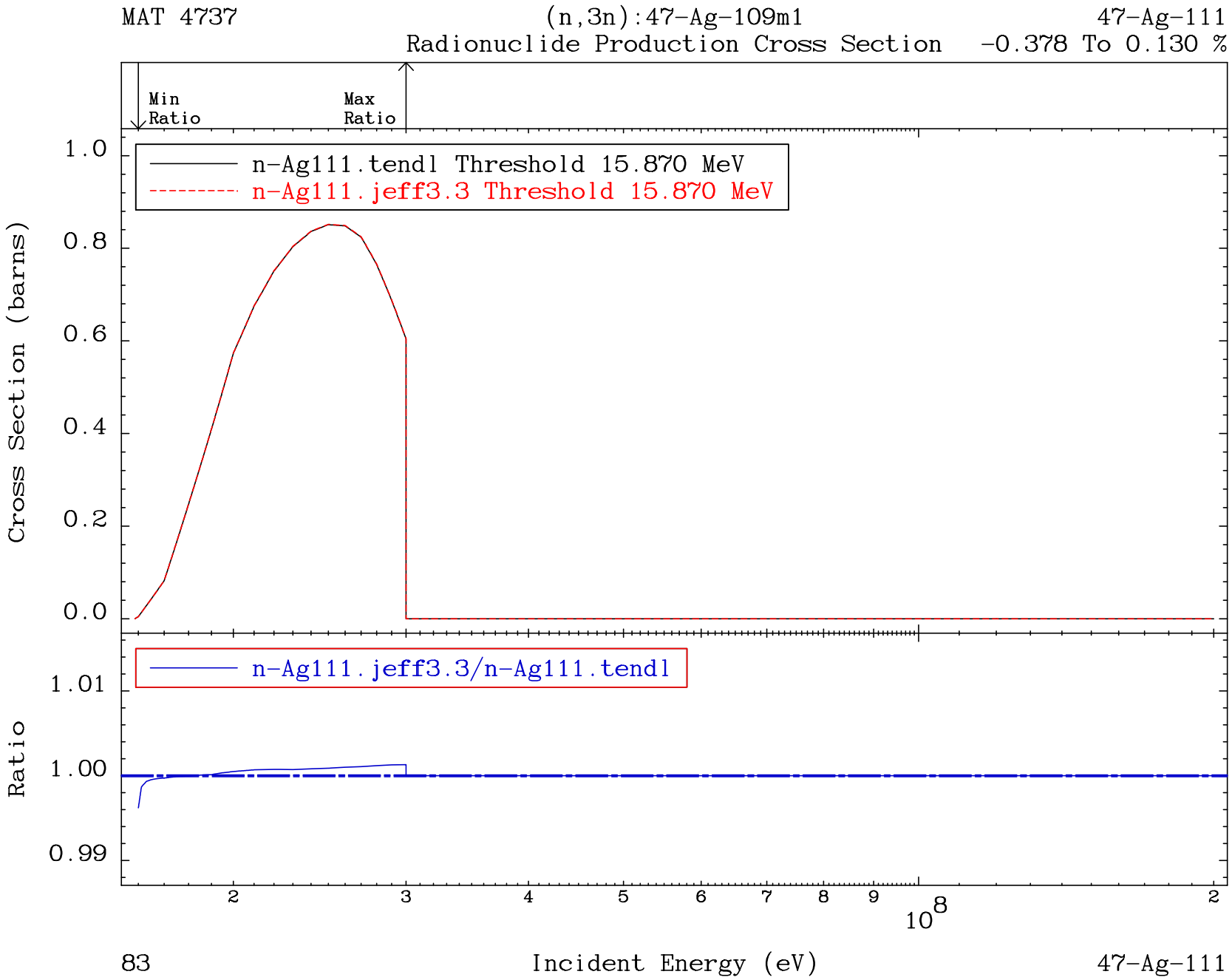

MAT 4737
Inelastic:47-Ag-111g
47-Ag-111
Radionuclide Production Cross Section 0.000 To 0.035 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 200.00 keV
n-Ag111.jeff3.3 Threshold 200.00 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
78
Incident Energy (eV)
47-Ag-111

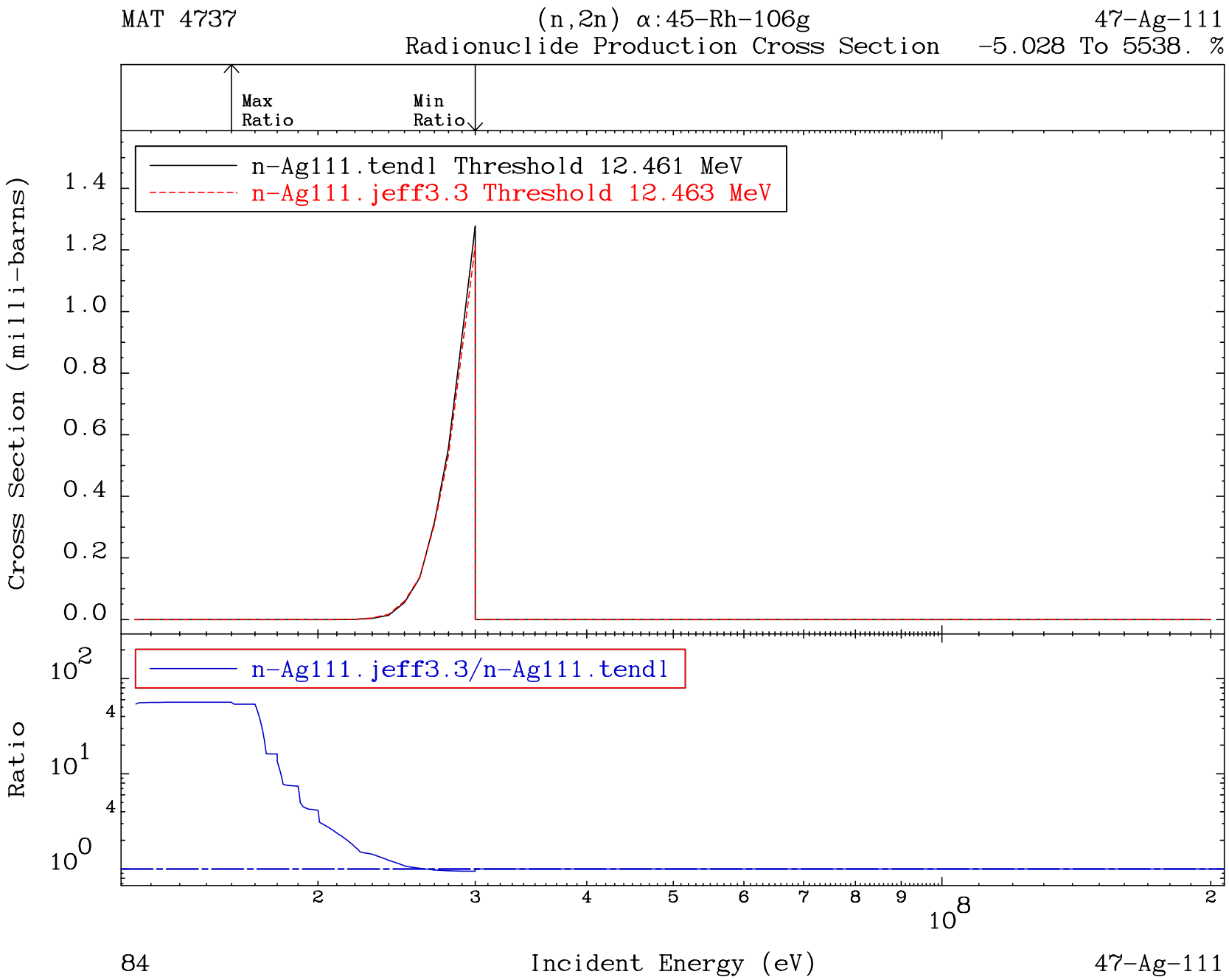

MAT 4737
Inelastic:47-Ag-111m1
47-Ag-111
Radionuclide Production Cross Section
-0.002 To 0.038 %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 60.364 keV
n-Ag111.jeff3.3 Threshold 60.364 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
6 8 10^5 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
79
Incident Energy (eV)
47-Ag-111

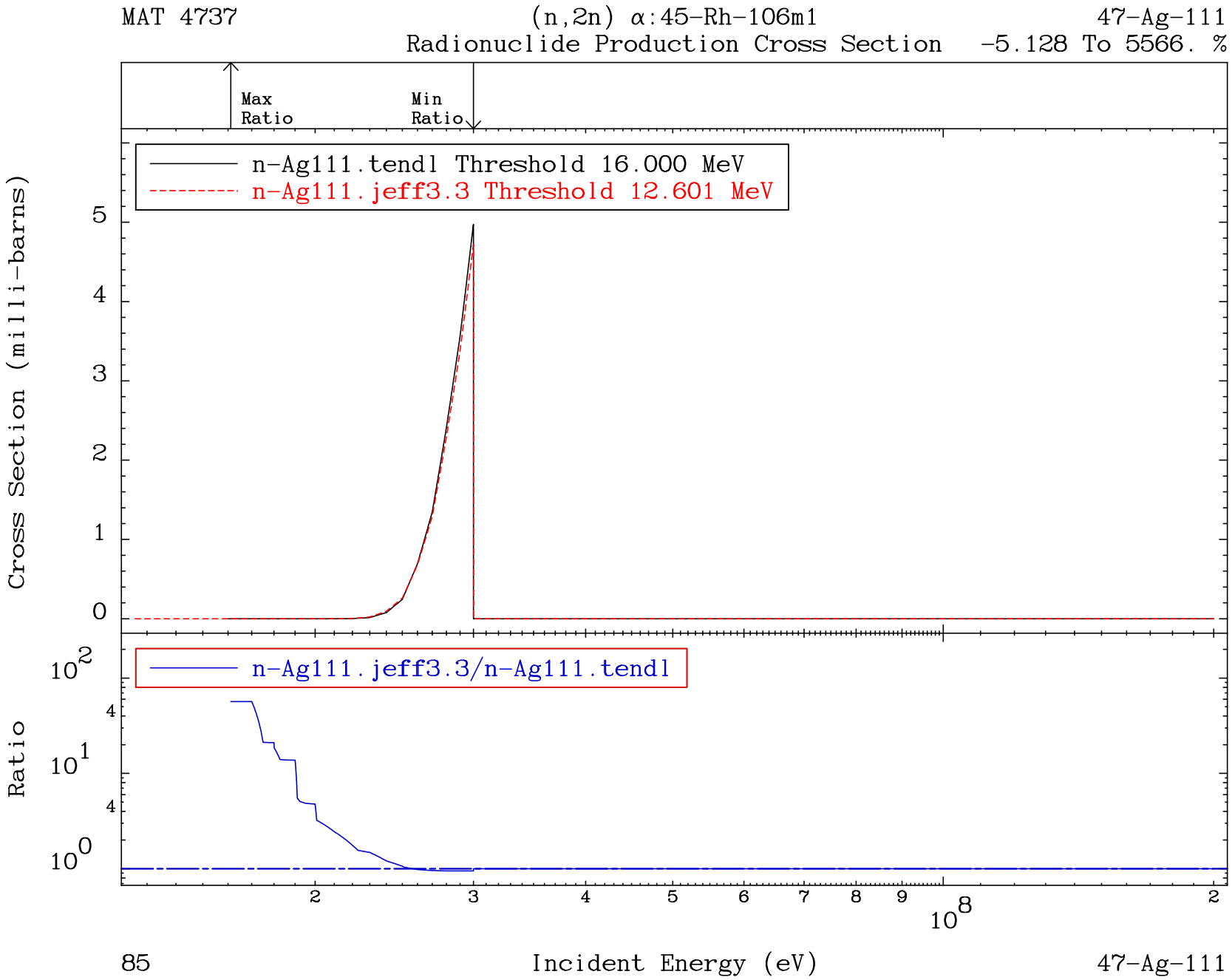

MAT 4737
(n,2n):47-Ag-110g
47-Ag-111
Radionuclide Production Cross Section
-0.686 To 0.054 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 8.9098 MeV
n-Ag111.jeff3.3 Threshold 8.9098 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
47-Ag-111

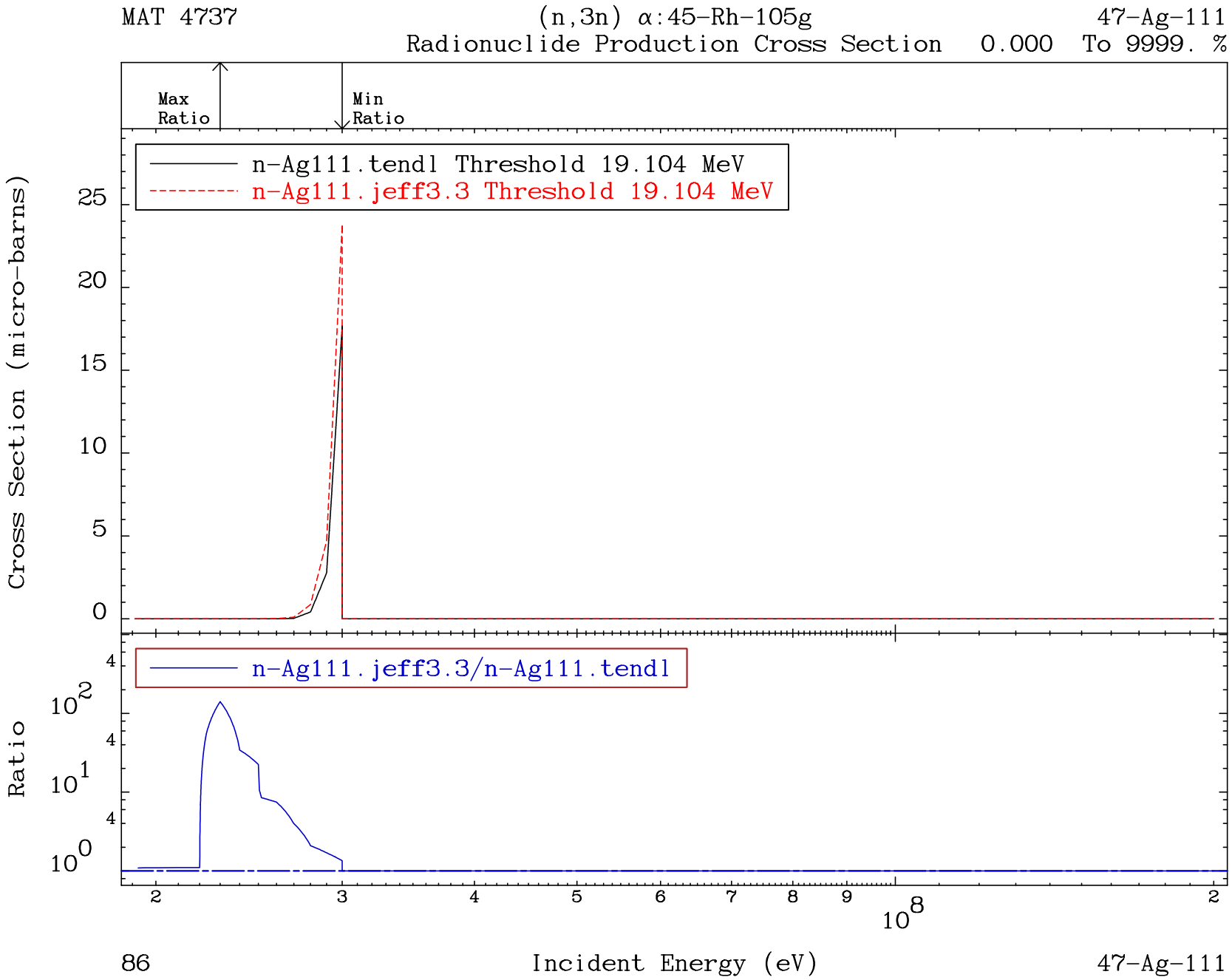

MAT 4737
(n,2n):47-Ag-110m2
47-Ag-111
Radionuclide Production Cross Section -0.161 To 0.058 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 9.0284 MeV
n-Ag111.jeff3.3 Threshold 9.0284 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
47-Ag-111

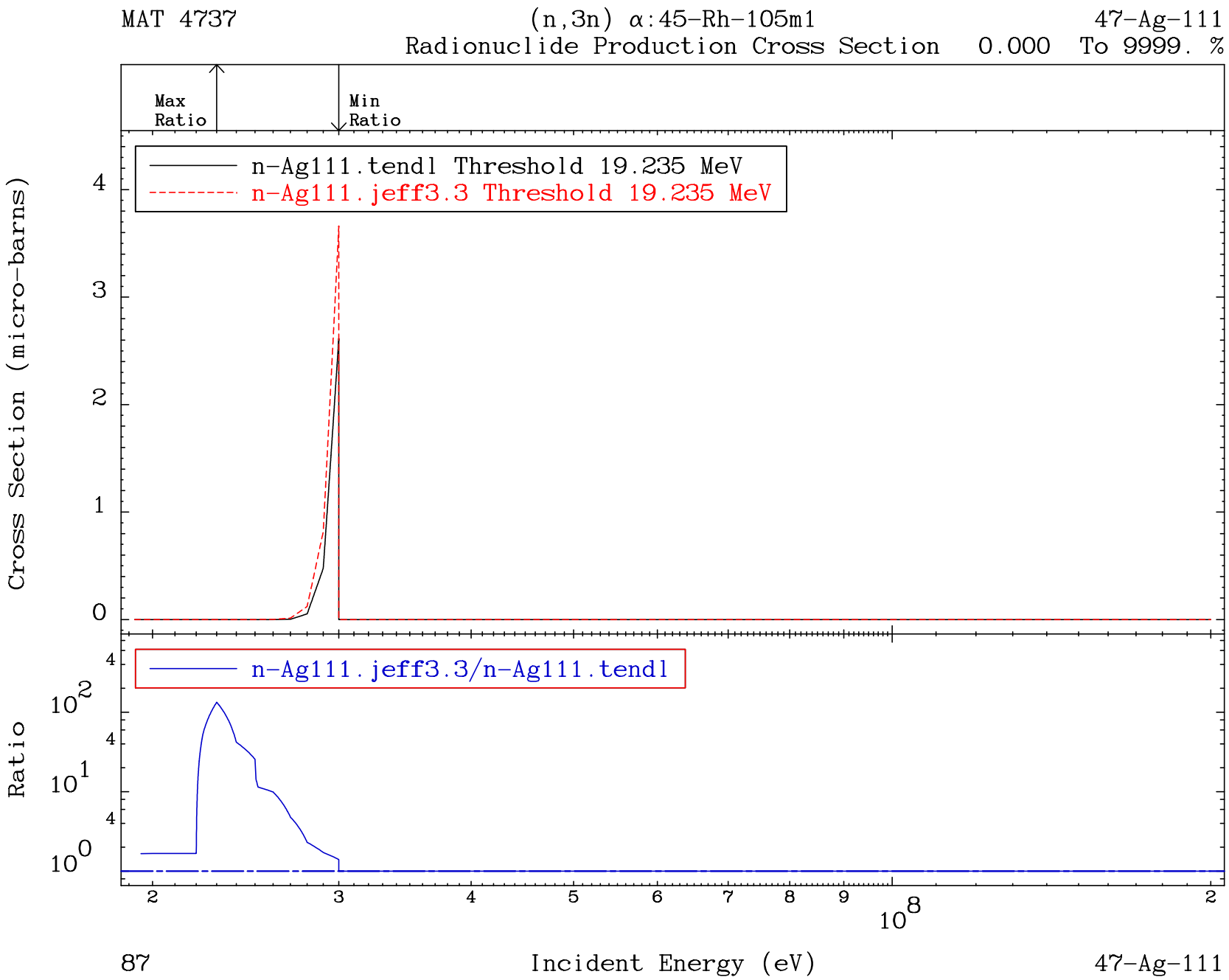

MAT 4737
(n,3n):47-Ag-109g
47-Ag-111
Radionuclide Production Cross Section
-0.318 To 0.126 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.781 MeV
n-Ag111.jeff3.3 Threshold 15.781 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
47-Ag-111

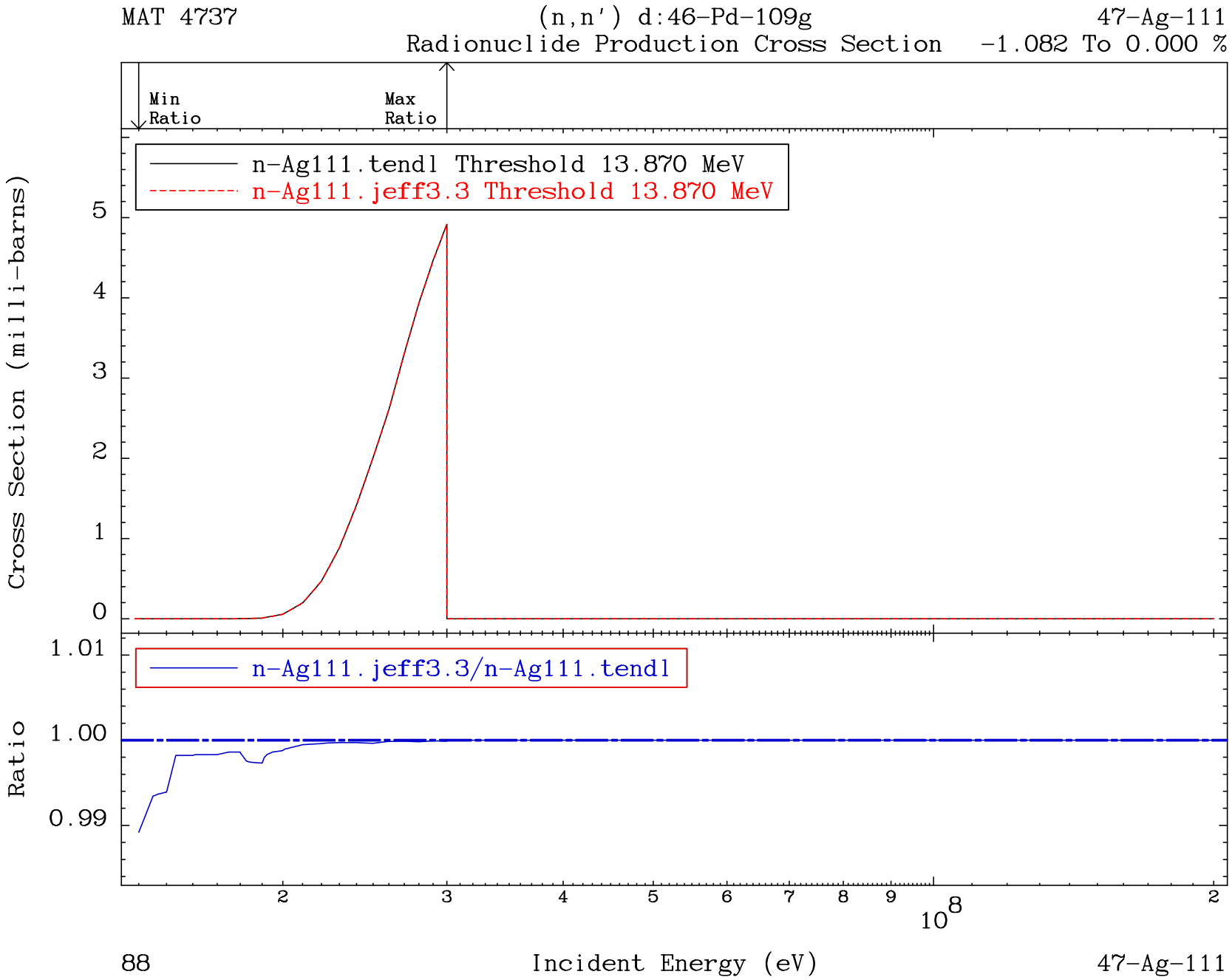

MAT 4737
(n,3n):47-Ag-109m1
47-Ag-111
Radionuclide Production Cross Section
-0.378 To 0.130 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.870 MeV
n-Ag111.jeff3.3 Threshold 15.870 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
47-Ag-111

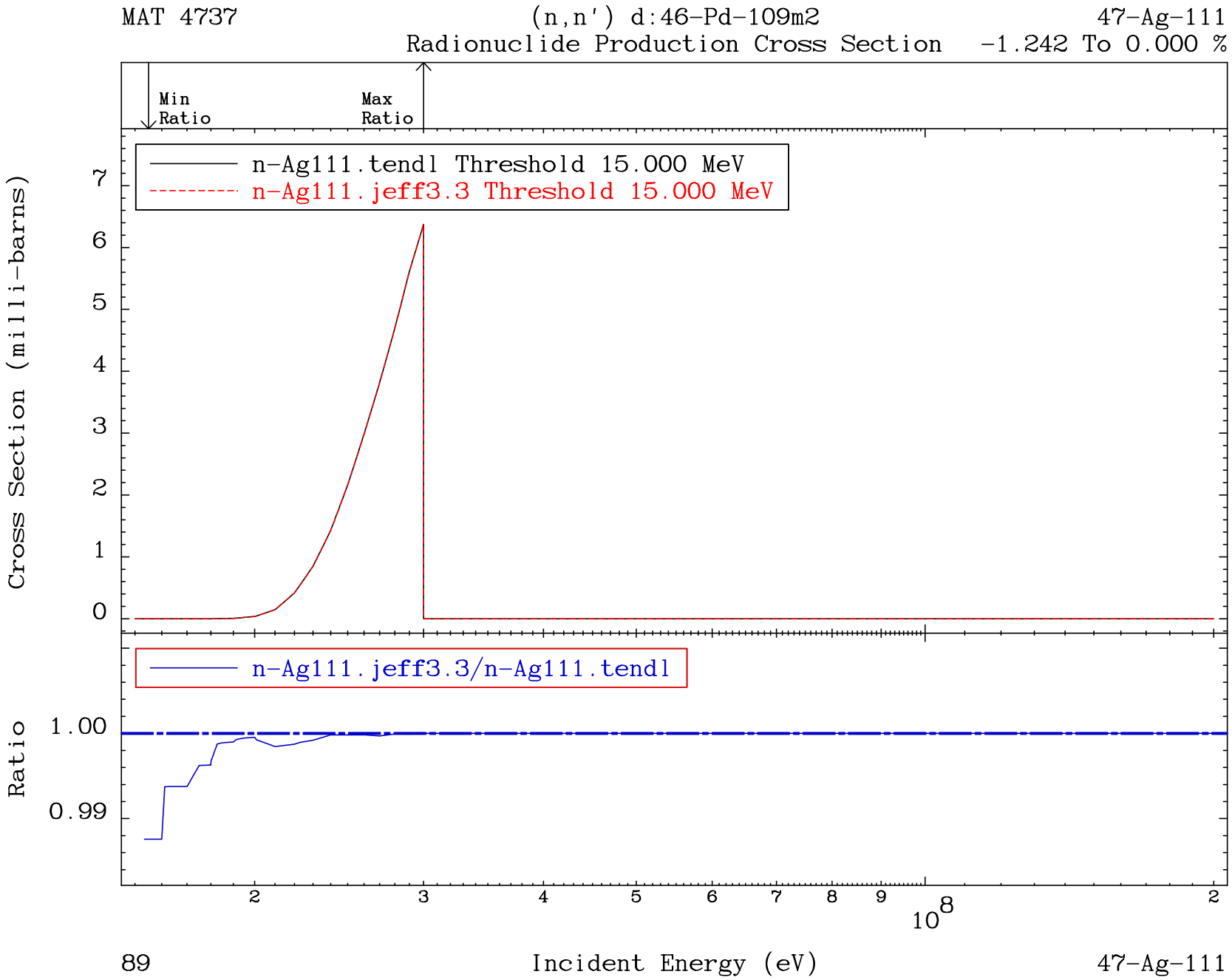

MAT 4737
(n,2n) α:45-Rh-106g
47-Ag-111
Radionuclide Production Cross Section -5.028 To 5538. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 12.461 MeV
n-Ag111.jeff3.3 Threshold 12.463 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
47-Ag-111

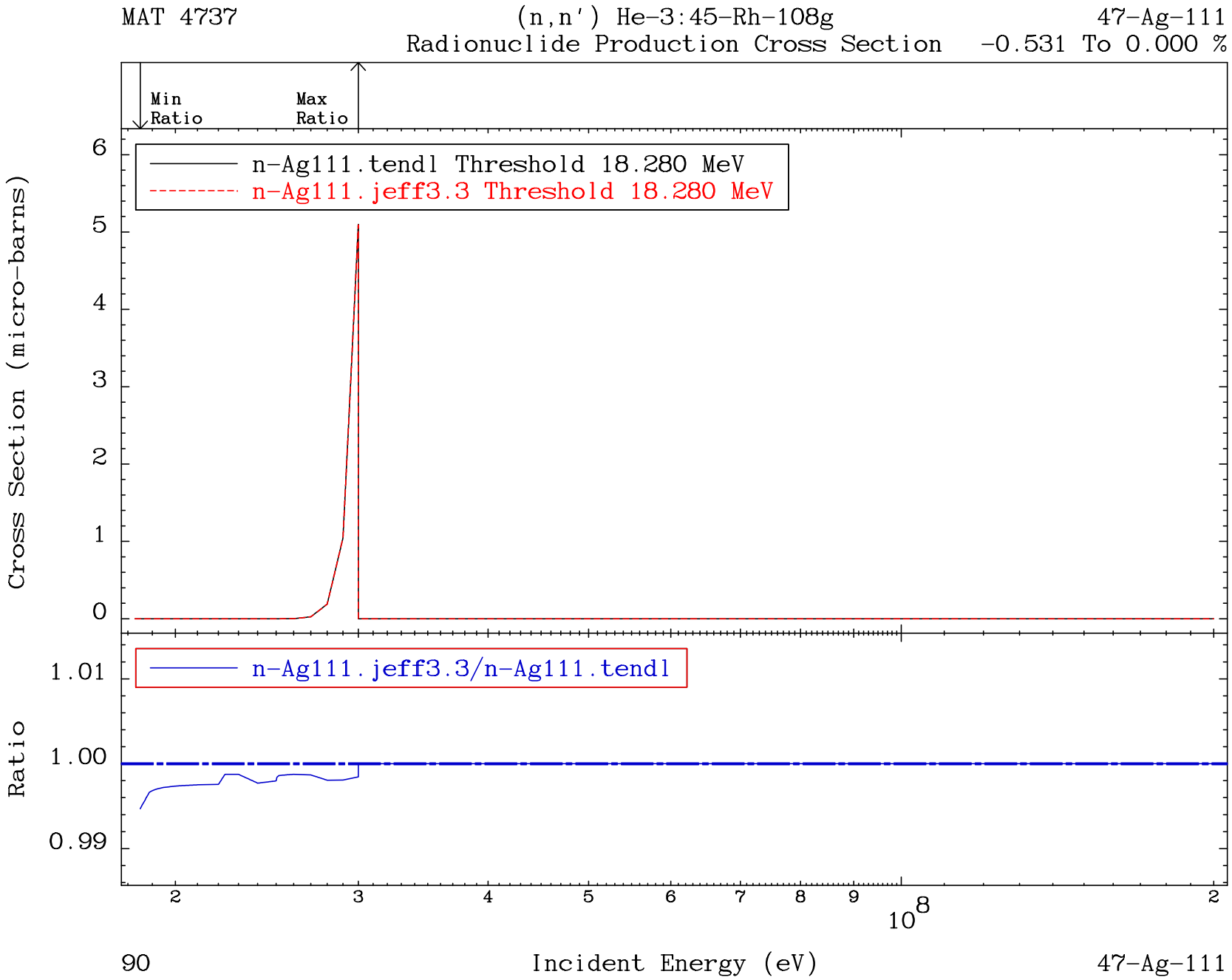

MAT 4737
(n,2n) α:45-Rh-106m1
47-Ag-111
Radionuclide Production Cross Section -5.128 To 5566. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 16.000 MeV
n-Ag111.jeff3.3 Threshold 12.601 MeV
Cross Section (milli-barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
85
47-Ag-111

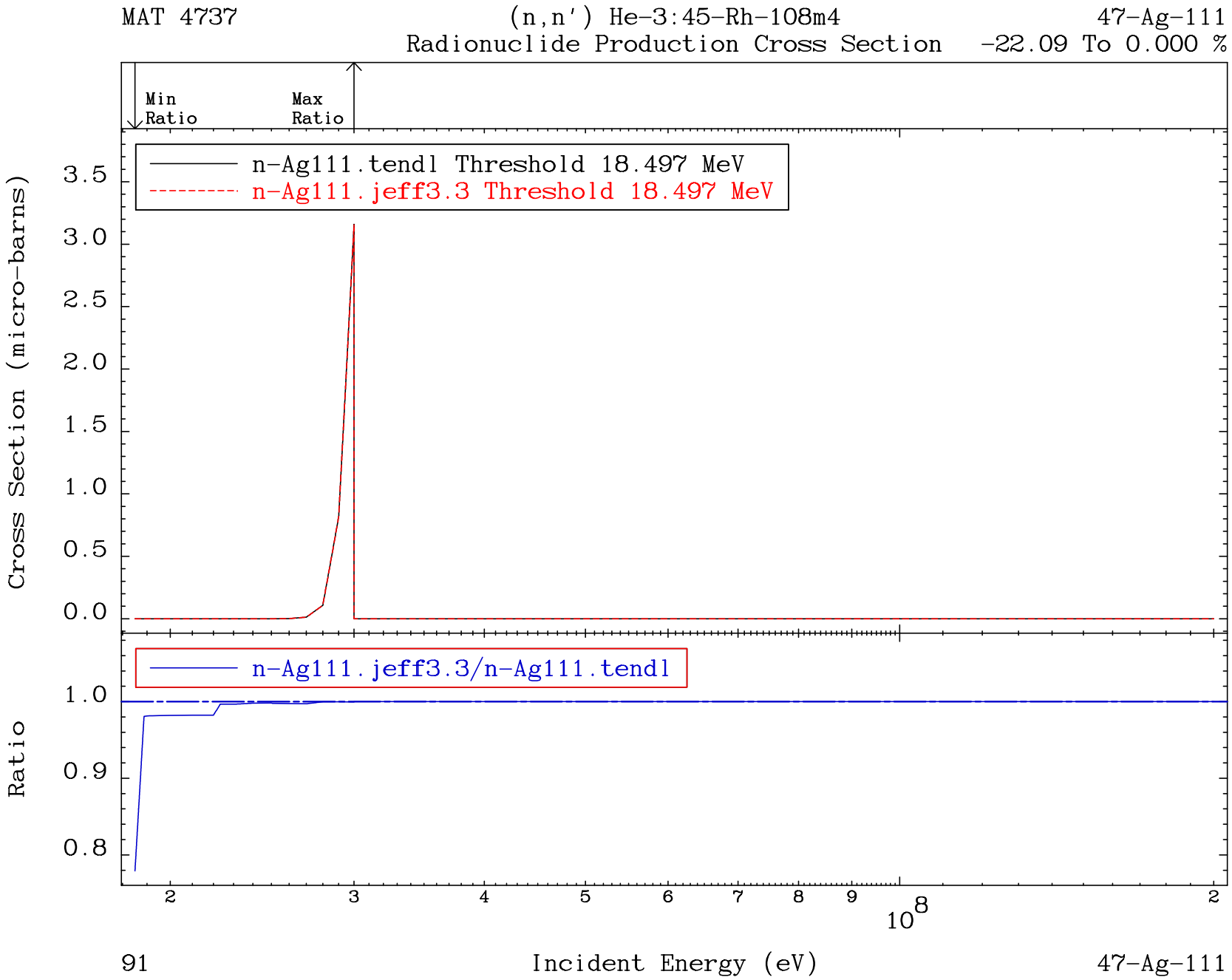

MAT 4737
(n,3n) α:45-Rh-105g
47-Ag-111
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 19.104 MeV
n-Ag111.jeff3.3 Threshold 19.104 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
47-Ag-111

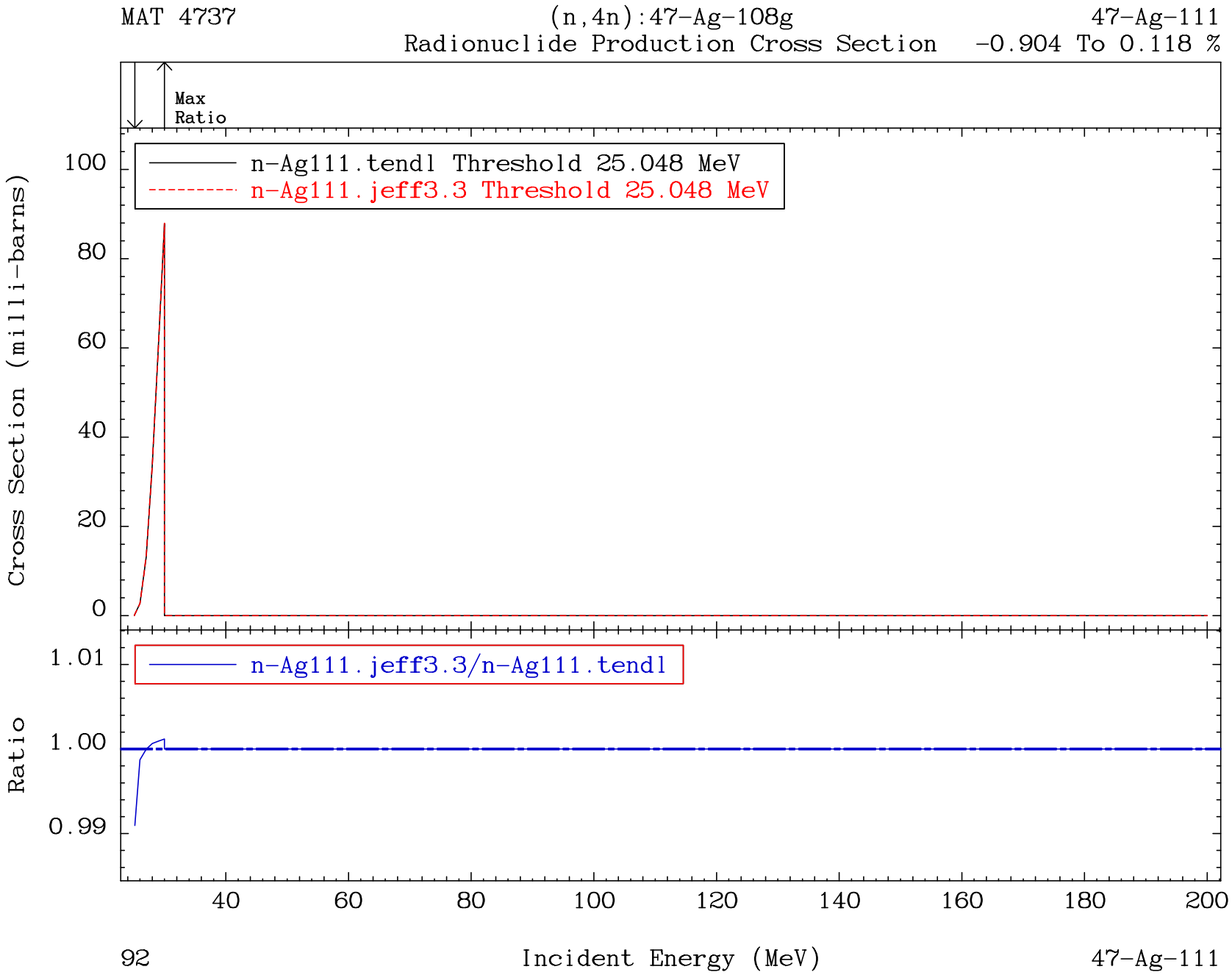

MAT 4737
(n,3n) α:45-Rh-105m1
47-Ag-111
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Ag111.tendl Threshold 19.235 MeV
n-Ag111.jeff3.3 Threshold 19.235 MeV
Cross Section (micro-barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
87
47-Ag-111

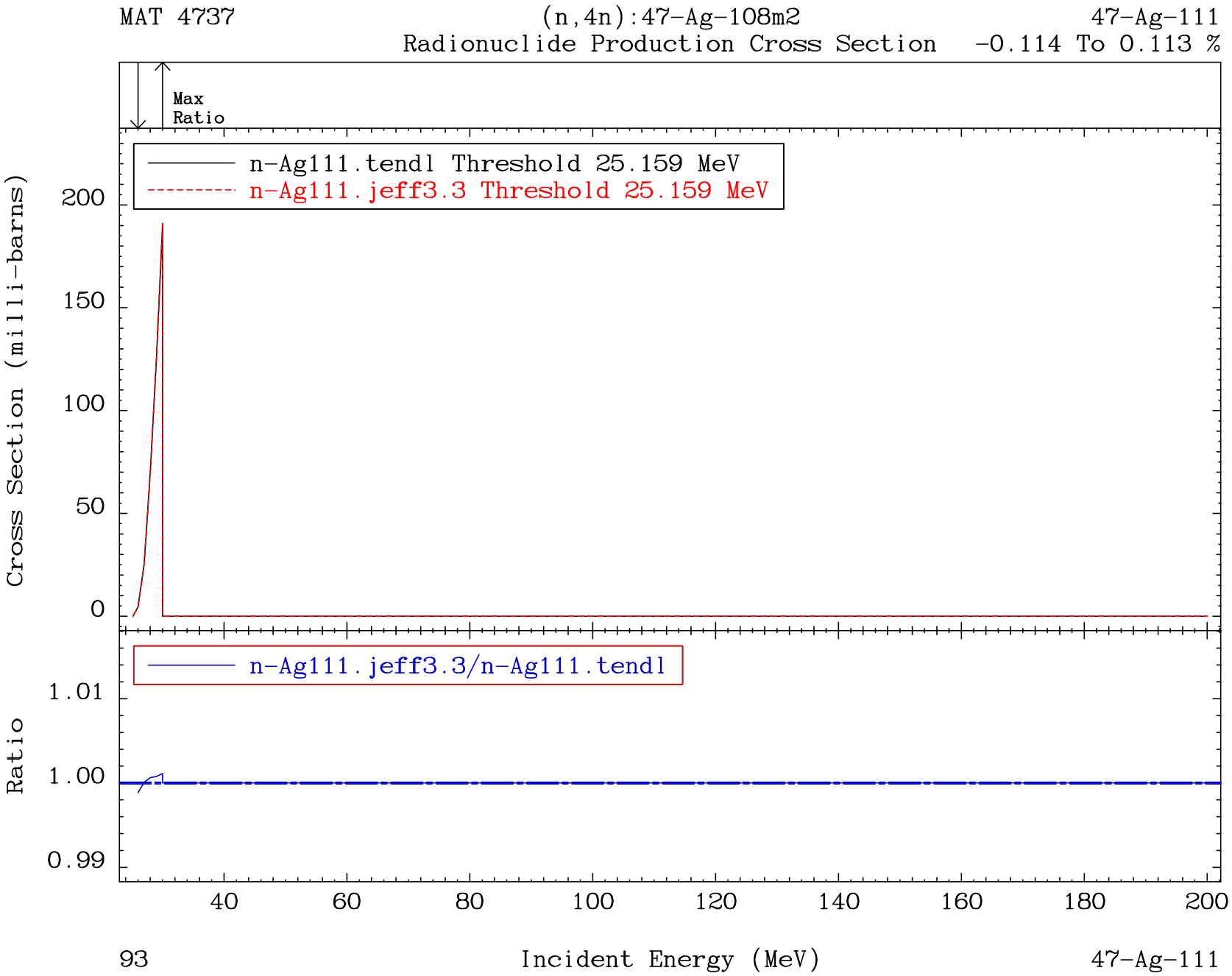

MAT 4737
(n,n') d:46-Pd-109g
47-Ag-111
Radionuclide Production Cross Section -1.082 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 13.870 MeV
n-Ag111.jeff3.3 Threshold 13.870 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
47-Ag-111

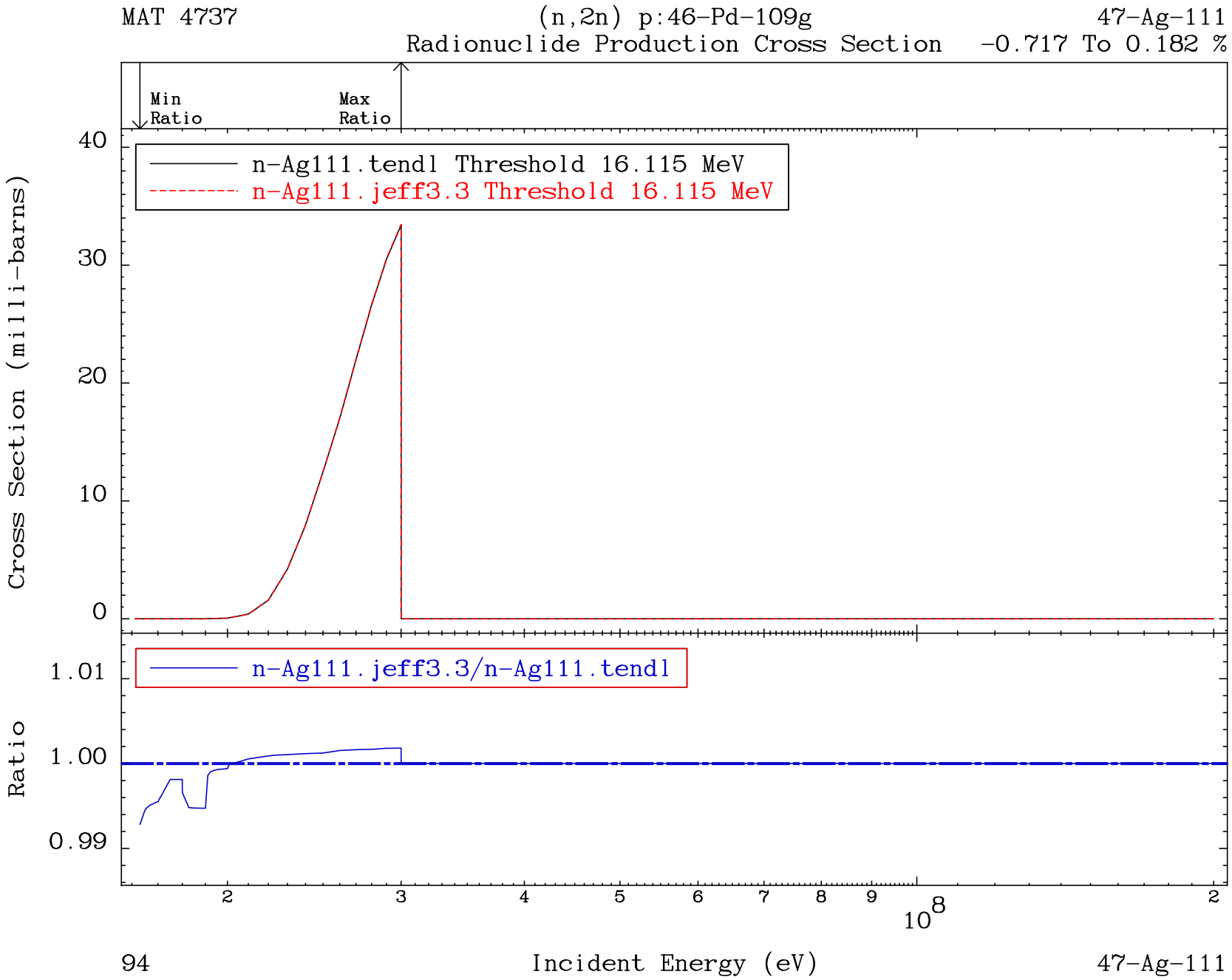

MAT 4737
(n,n') d:46-Pd-109m2
47-Ag-111
Radionuclide Production Cross Section -1.242 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 15.000 MeV
n-Ag111.jeff3.3 Threshold 15.000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
47-Ag-111

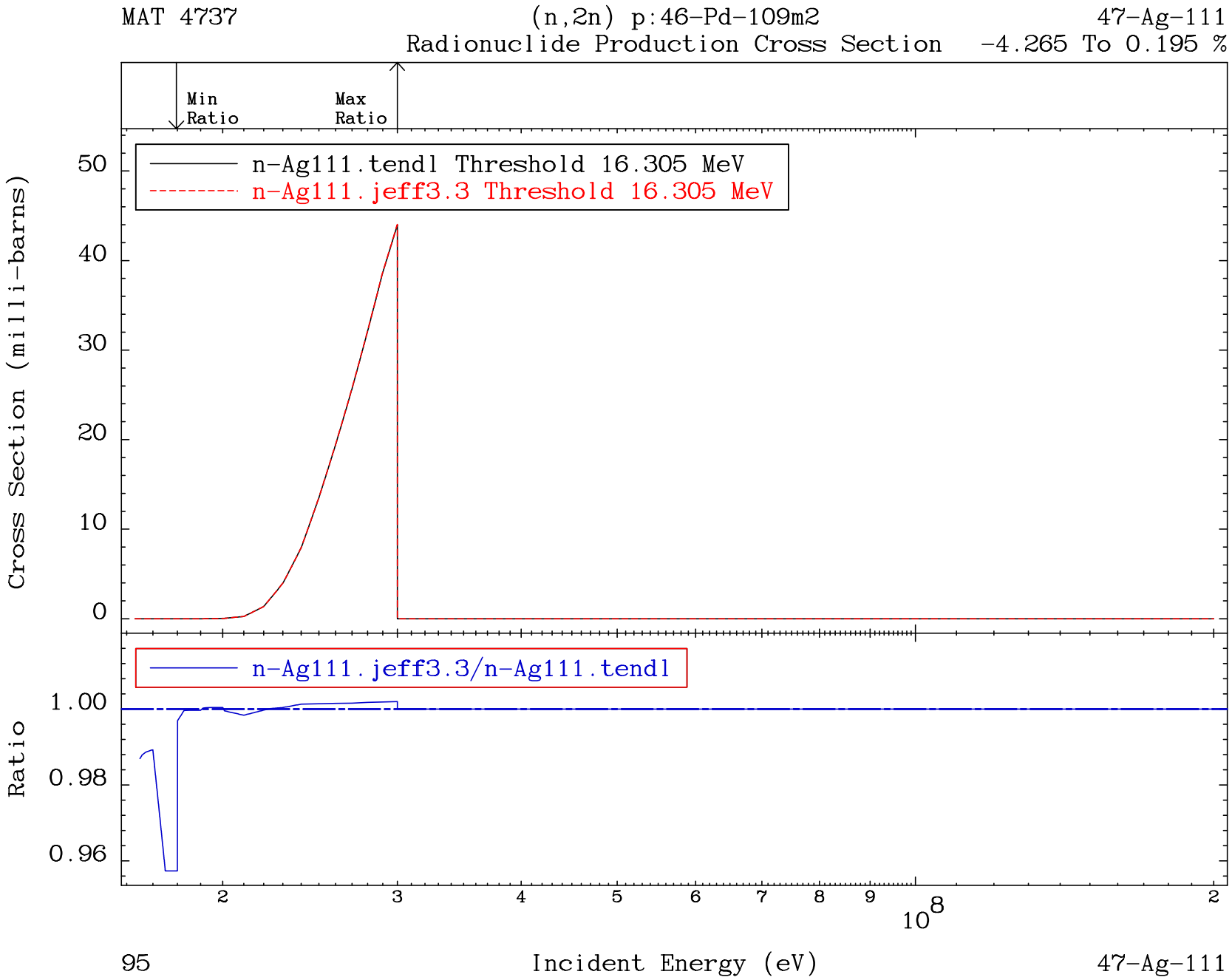

MAT 4737
(n,n') He-3:45-Rh-108g
47-Ag-111
Radionuclide Production Cross Section
-0.531 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 18.280 MeV
n-Ag111.jeff3.3 Threshold 18.280 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
47-Ag-111

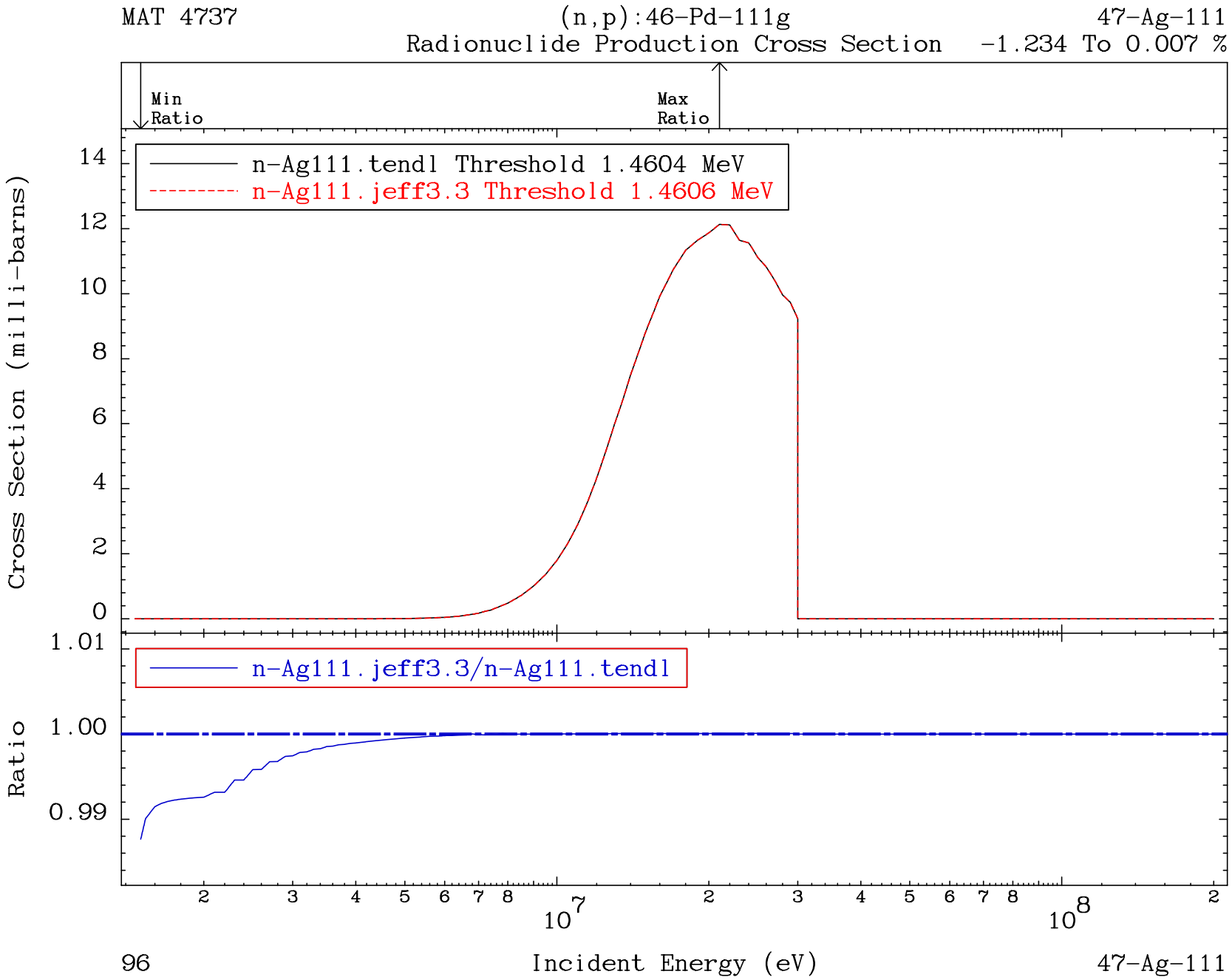

MAT 4737
(n,n') He-3:45-Rh-108m4
47-Ag-111
Radionuclide Production Cross Section
-22.09 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 18.497 MeV
n-Ag111.jeff3.3 Threshold 18.497 MeV
Cross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
47-Ag-111

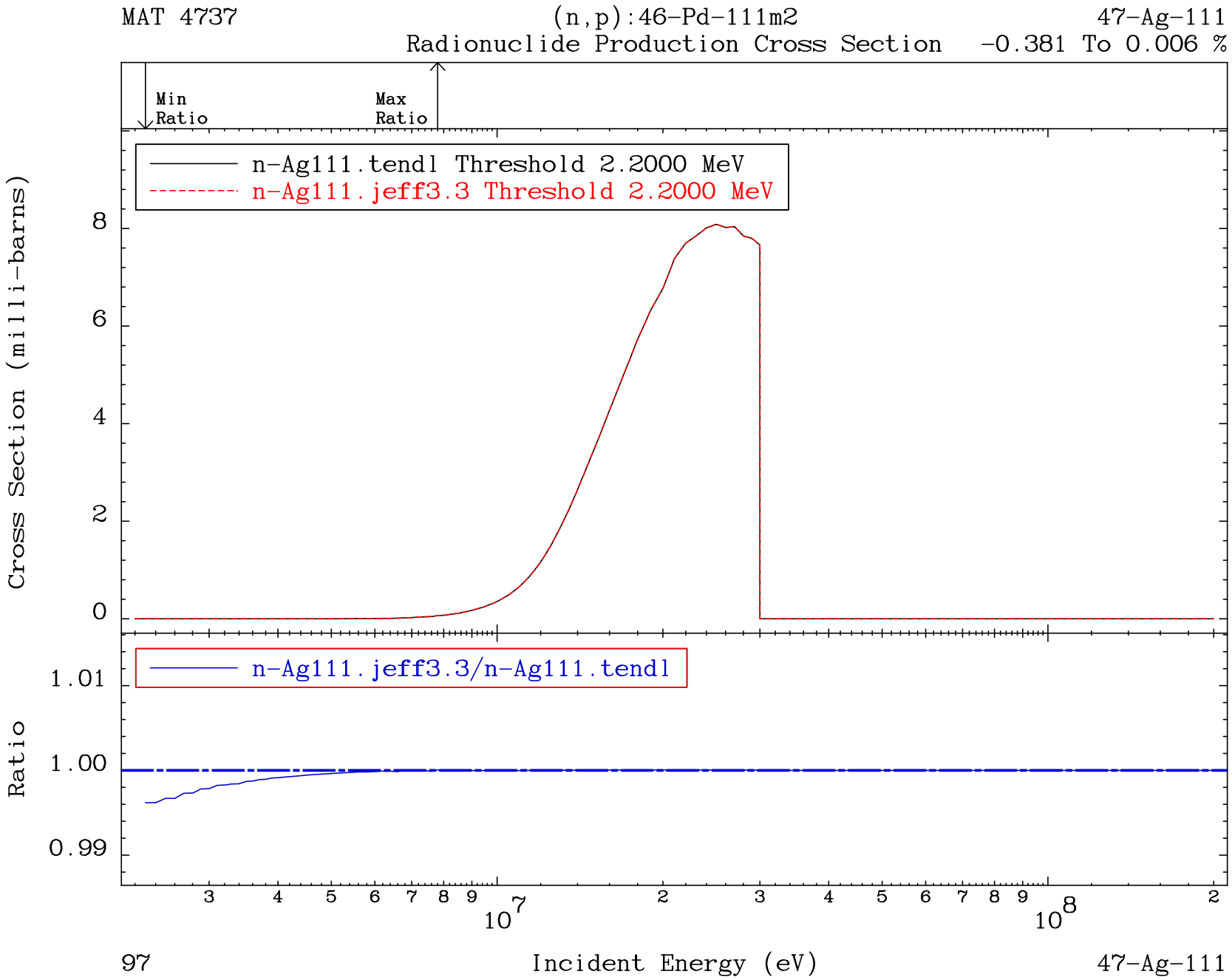

MAT 4737
(n,4n):47-Ag-108g
47-Ag-111
Radionuclide Production Cross Section
-0.904 To 0.118 %
Max
Ratio
n-Ag111.tendl Threshold 25.048 MeV
n-Ag111.jeff3.3 Threshold 25.048 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
92
Incident Energy (MeV)
47-Ag-111

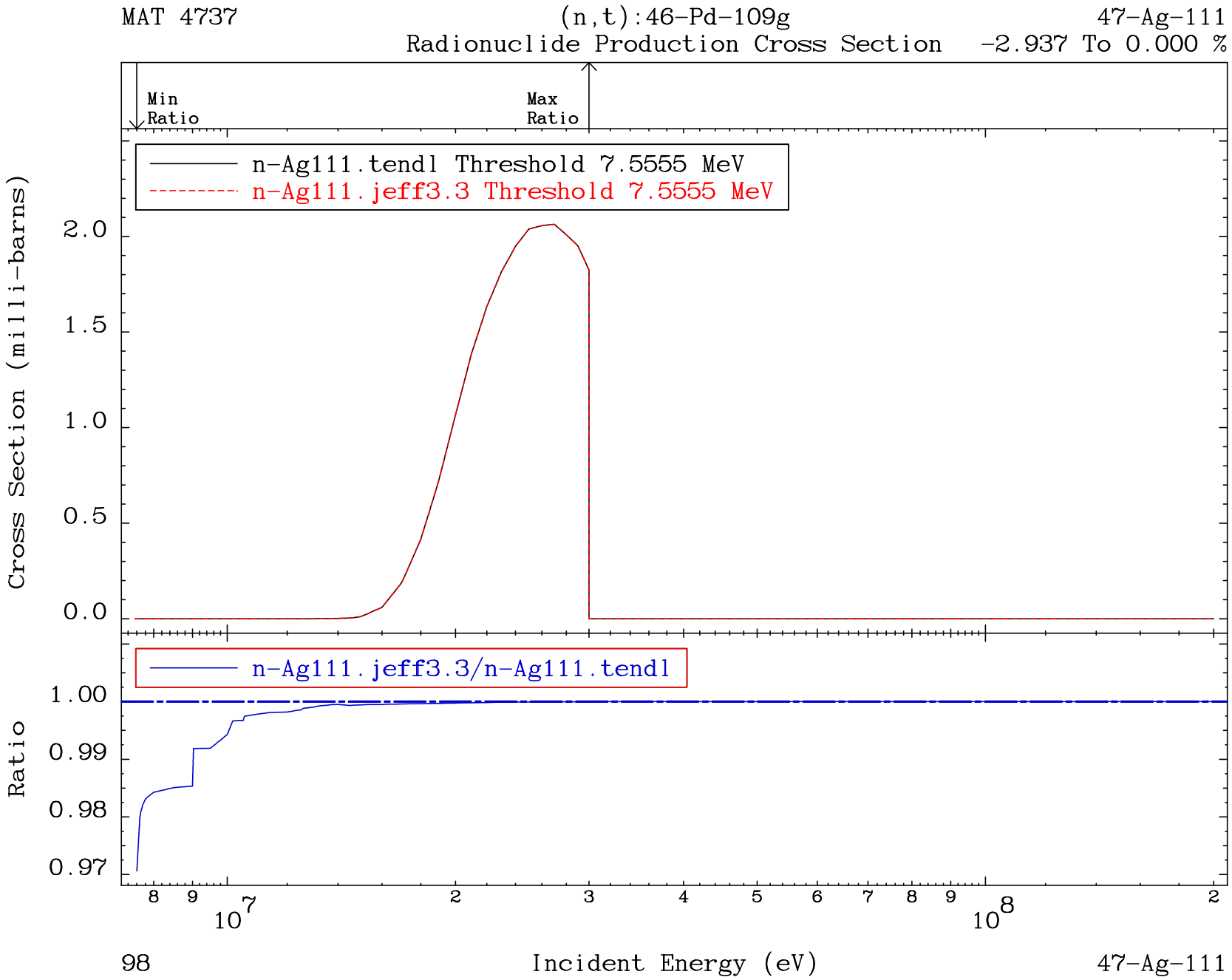

MAT 4737
(n,4n):47-Ag-108m2
47-Ag-111
Radionuclide Production Cross Section -0.114 To 0.113 %
Max
Ratio
n-Ag111.tendl Threshold 25.159 MeV
n-Ag111.jeff3.3 Threshold 25.159 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
93
Incident Energy (MeV)
47-Ag-111

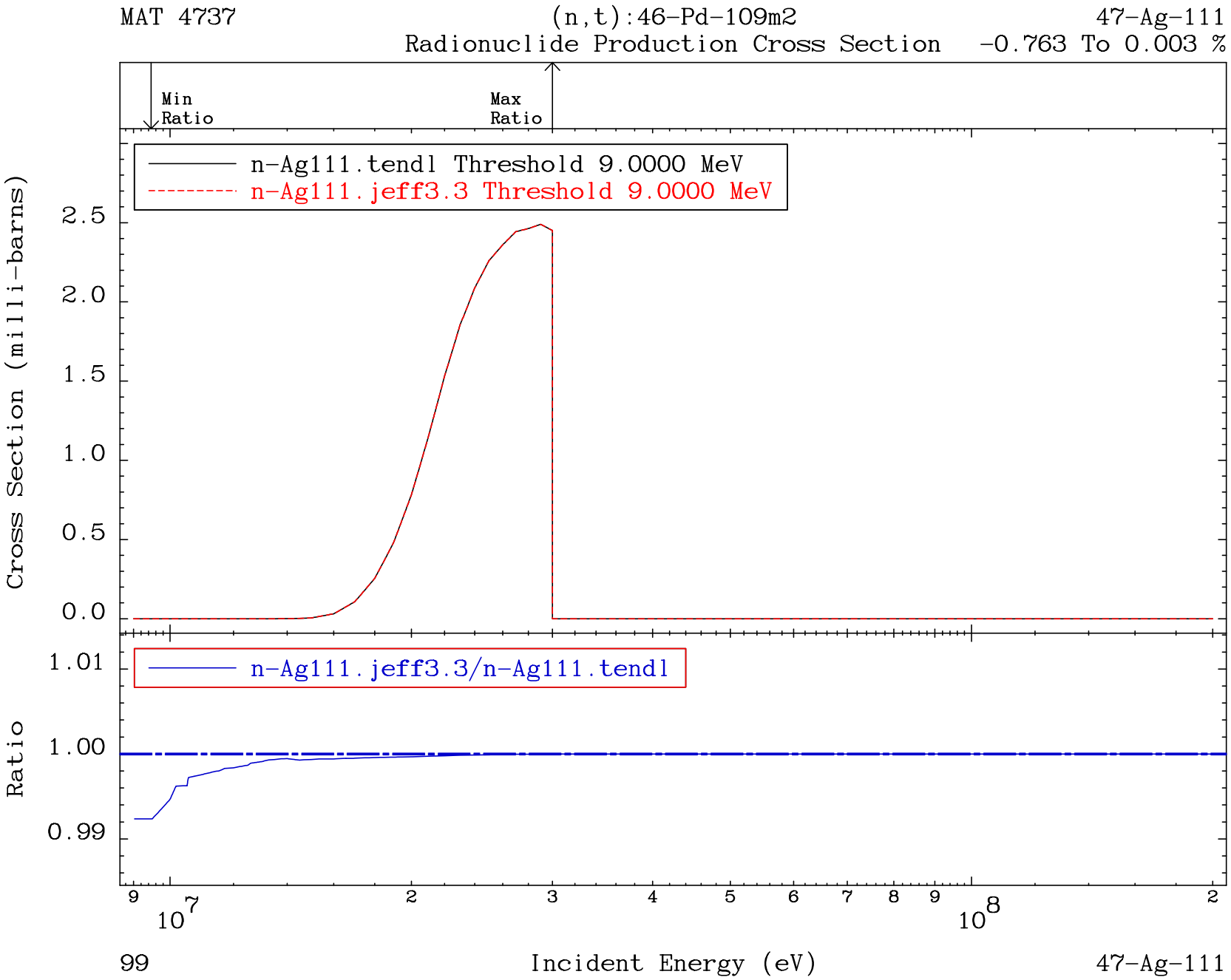

MAT 4737
(n,2n) p:46-Pd-109g
47-Ag-111
Radionuclide Production Cross Section -0.717 To 0.182 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 16.115 MeV
n-Ag111.jeff3.3 Threshold 16.115 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
47-Ag-111

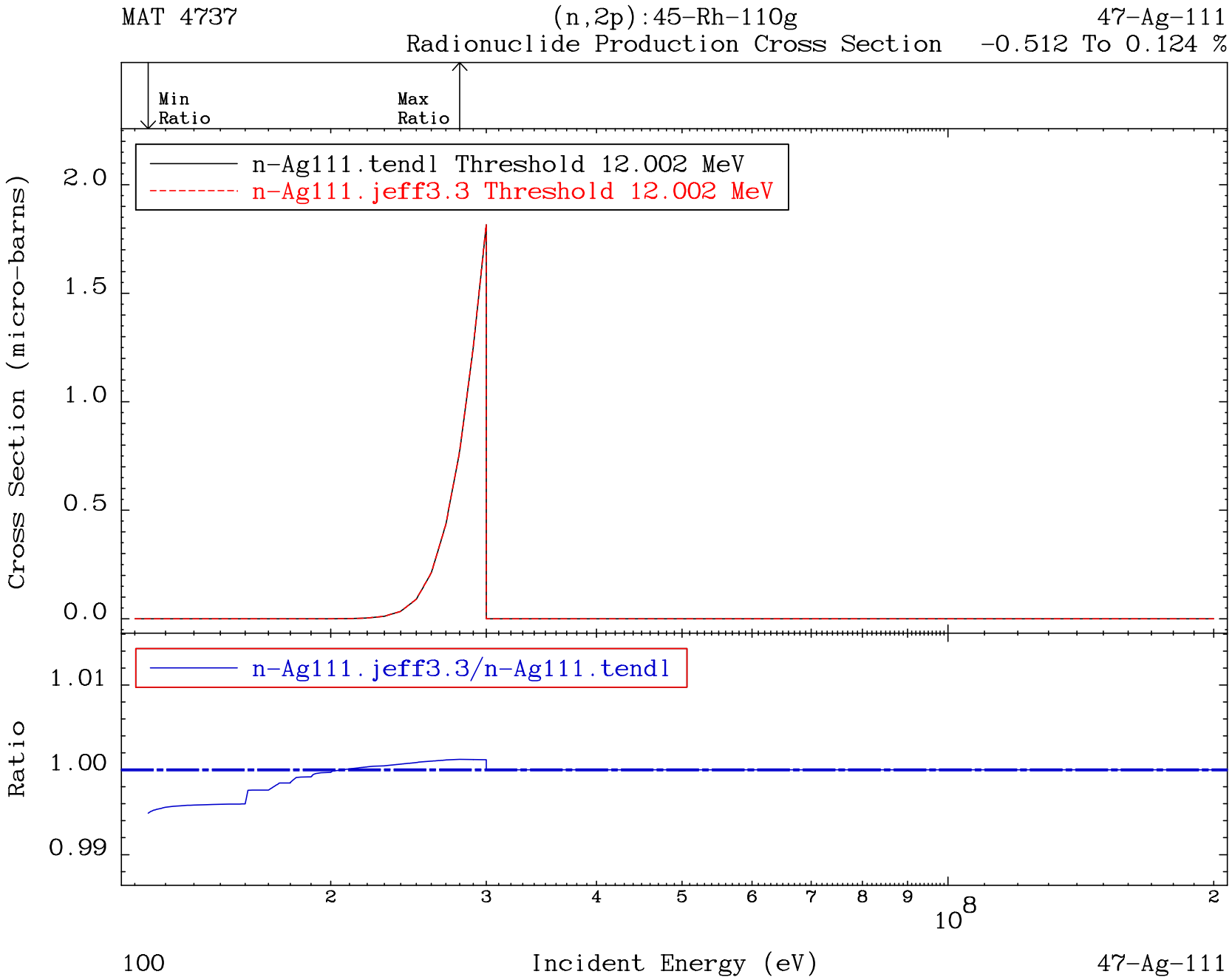

MAT 4737
(n,2n) p:46-Pd-109m2
47-Ag-111
Radionuclide Production Cross Section -4.265 To 0.195 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 16.305 MeV
n-Ag111.jeff3.3 Threshold 16.305 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
47-Ag-111

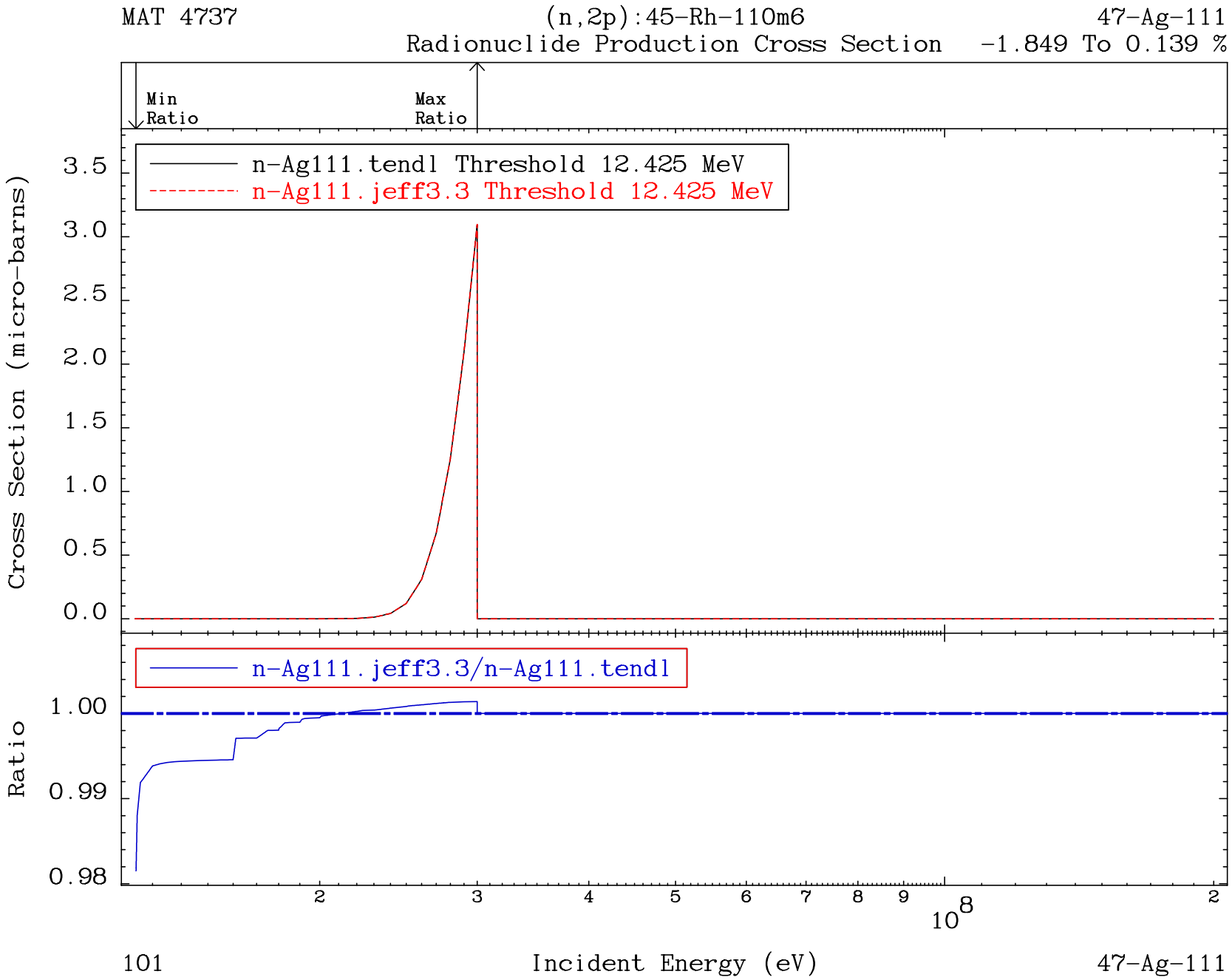

MAT 4737
(n,p):46-Pd-111g
47-Ag-111
Radionuclide Production Cross Section -1.234 To 0.007 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 1.4604 MeV
n-Ag111.jeff3.3 Threshold 1.4606 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
96
Incident Energy (eV)
47-Ag-111

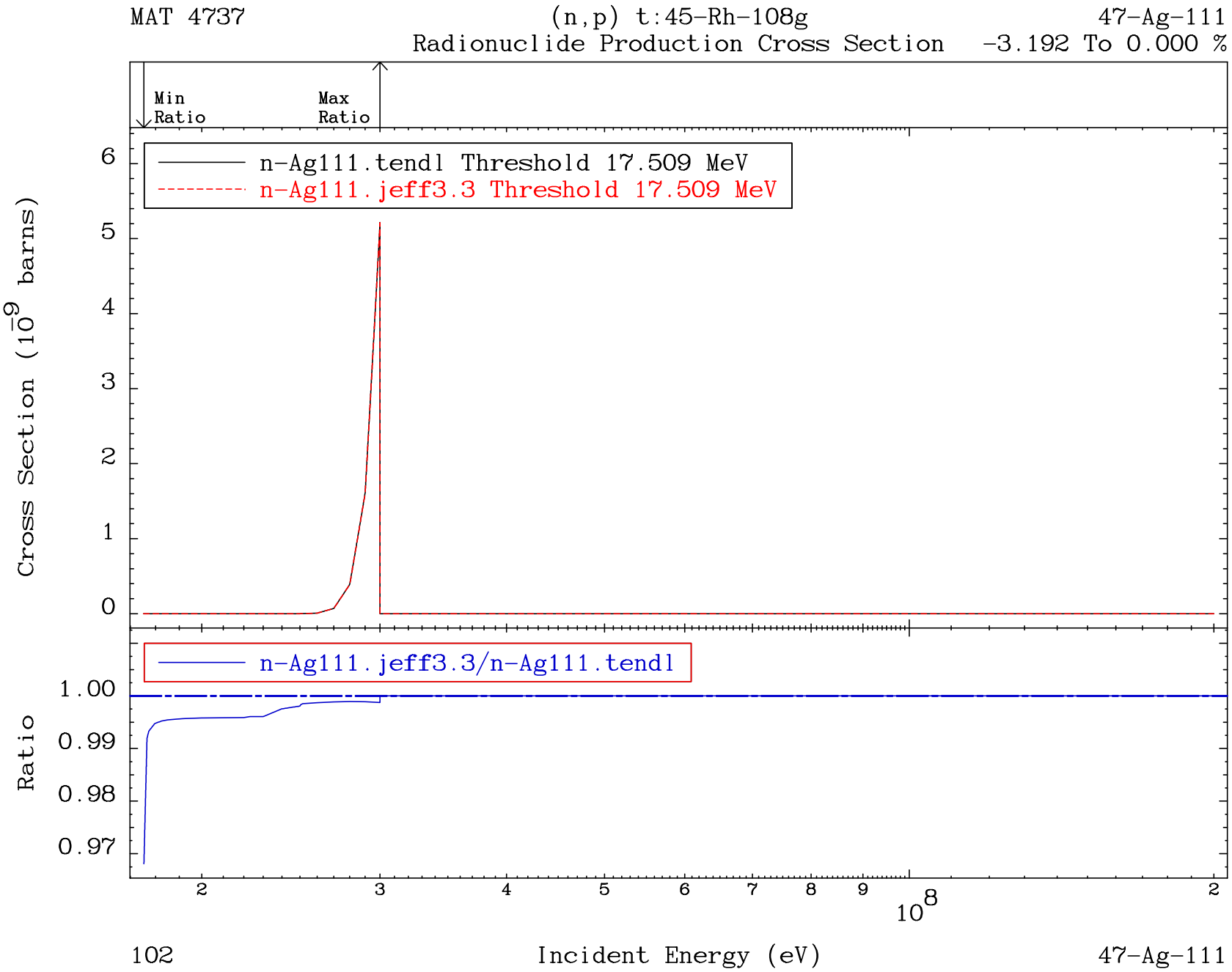

MAT 4737
(n,p):46-Pd-111m2
47-Ag-111
Radionuclide Production Cross Section -0.381 To 0.006 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 2.2000 MeV
n-Ag111.jeff3.3 Threshold 2.2000 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
97
Incident Energy (eV)
47-Ag-111

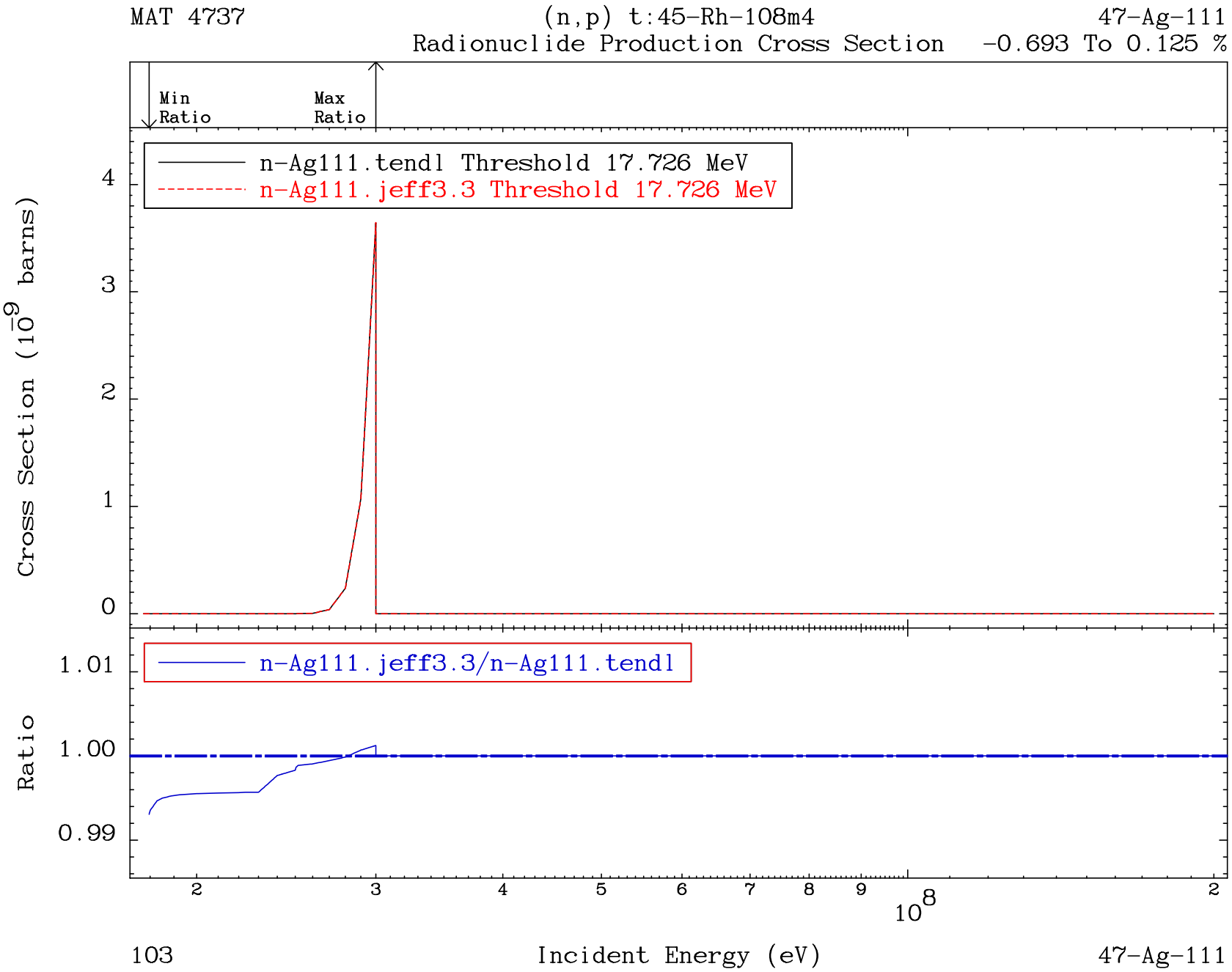

MAT 4737
(n,t):46-Pd-109g
47-Ag-111
Radionuclide Production Cross Section
-2.937 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 7.5555 MeV
n-Ag111.jeff3.3 Threshold 7.5555 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.99
0.98
0.97
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
98
Incident Energy (eV)
47-Ag-111


MAT 4737
(n,t):46-Pd-109m2
47-Ag-111
Radionuclide Production Cross Section -0.763 To 0.003 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 9.0000 MeV
n-Ag111.jeff3.3 Threshold 9.0000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
99
Incident Energy (eV)
47-Ag-111


MAT 4737
(n,2p):45-Rh-110g
47-Ag-111
Radionuclide Production Cross Section -0.512 To 0.124 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 12.002 MeV
n-Ag111.jeff3.3 Threshold 12.002 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
47-Ag-111


MAT 4737
(n,2p):45-Rh-110m6
47-Ag-111
Radionuclide Production Cross Section -1.849 To 0.139 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 12.425 MeV
n-Ag111.jeff3.3 Threshold 12.425 MeV
Cross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
101
Incident Energy (eV)
47-Ag-111


MAT 4737
(n,p) t:45-Rh-108g
47-Ag-111
Radionuclide Production Cross Section
-3.192 To 0.000 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 17.509 MeV
n-Ag111.jeff3.3 Threshold 17.509 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
6
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
1.00
0.99
0.98
0.97
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
47-Ag-111


MAT 4737
(n,p) t:45-Rh-108m4
47-Ag-111
Radionuclide Production Cross Section
-0.693 To 0.125 %
Min Ratio
Max Ratio
n-Ag111.tendl Threshold 17.726 MeV
n-Ag111.jeff3.3 Threshold 17.726 MeV
Cross Section (10^{-9} barns)
n-Ag111.jeff3.3/n-Ag111.tendl
Ratio
Incident Energy (eV)
103
47-Ag-111