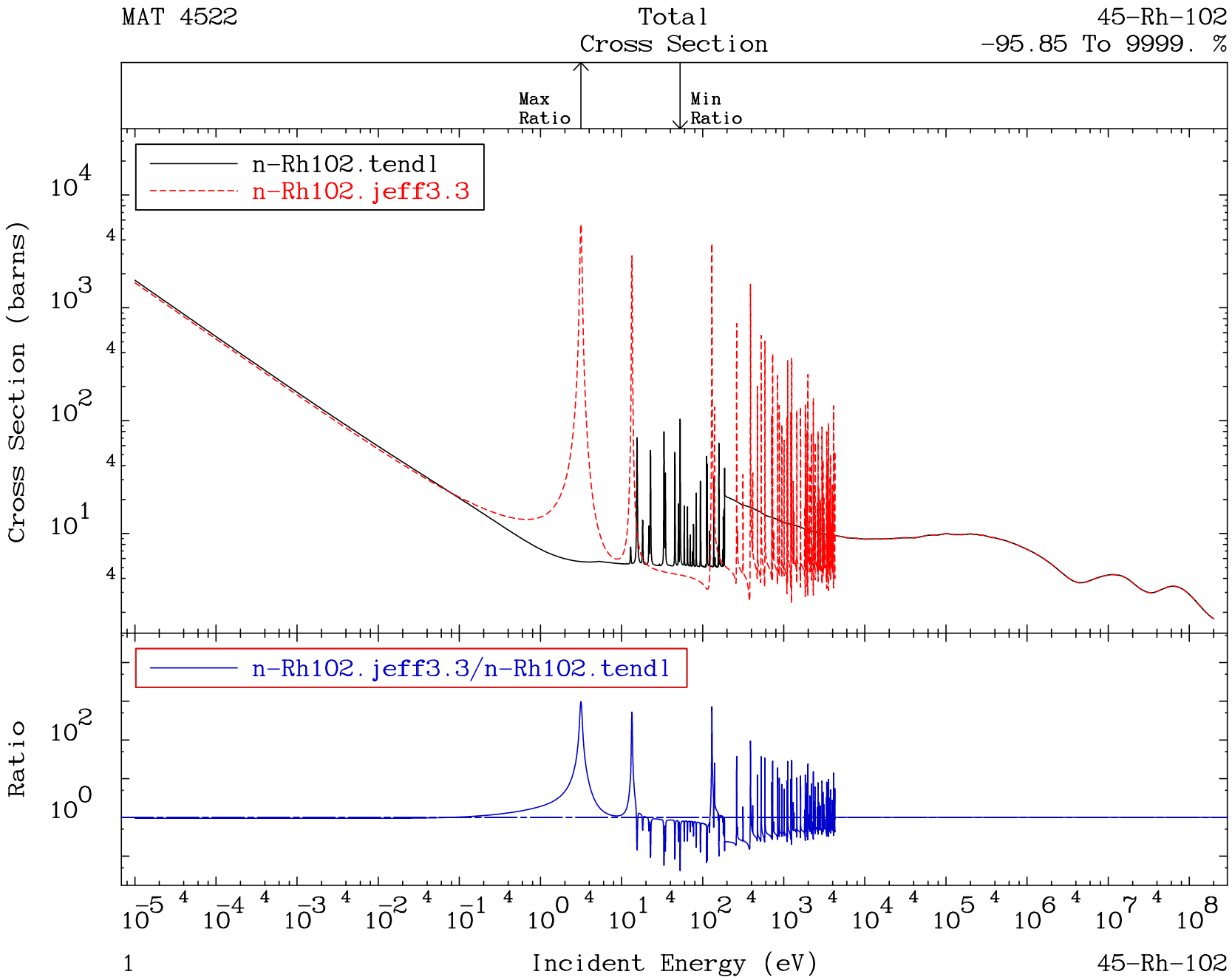
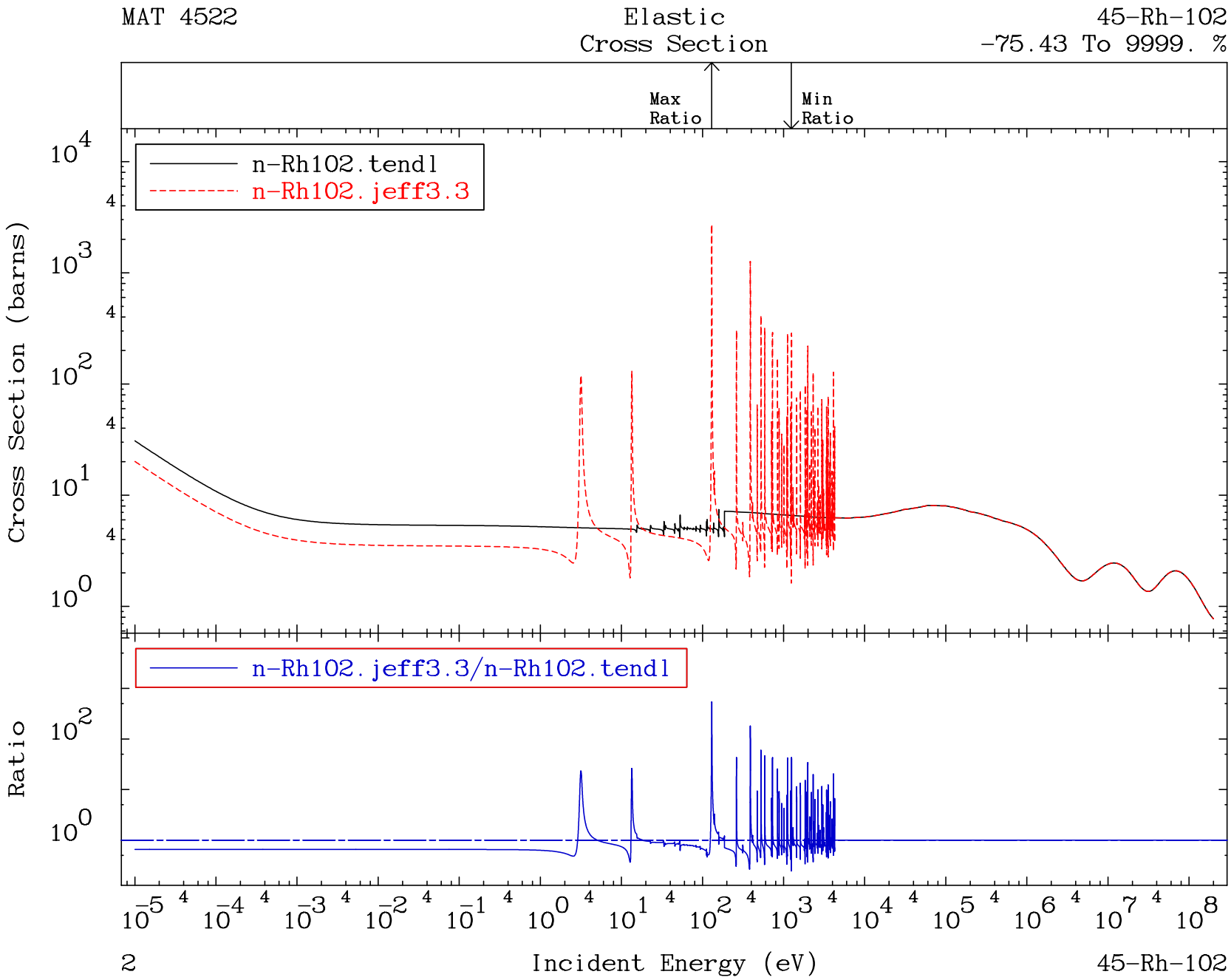
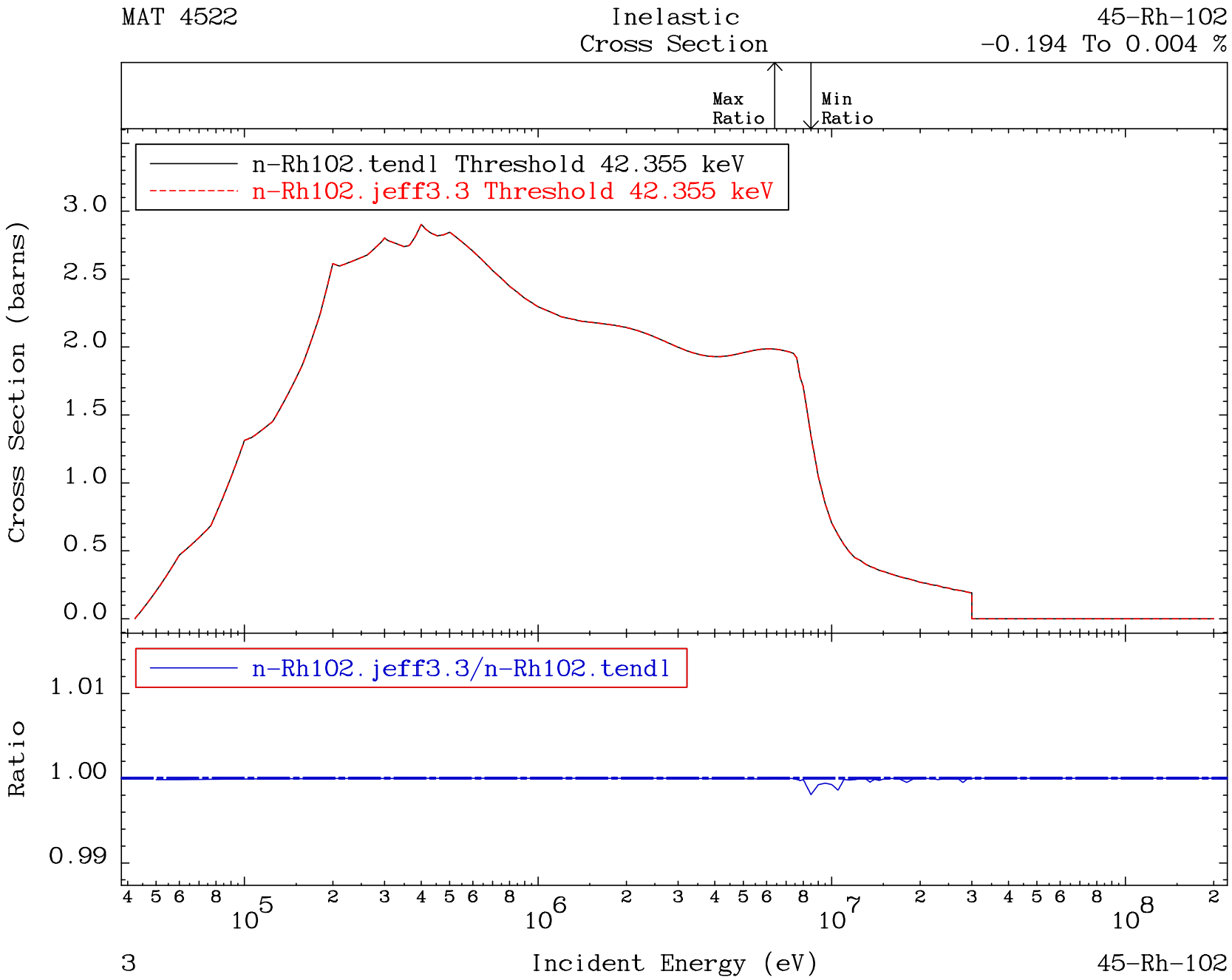
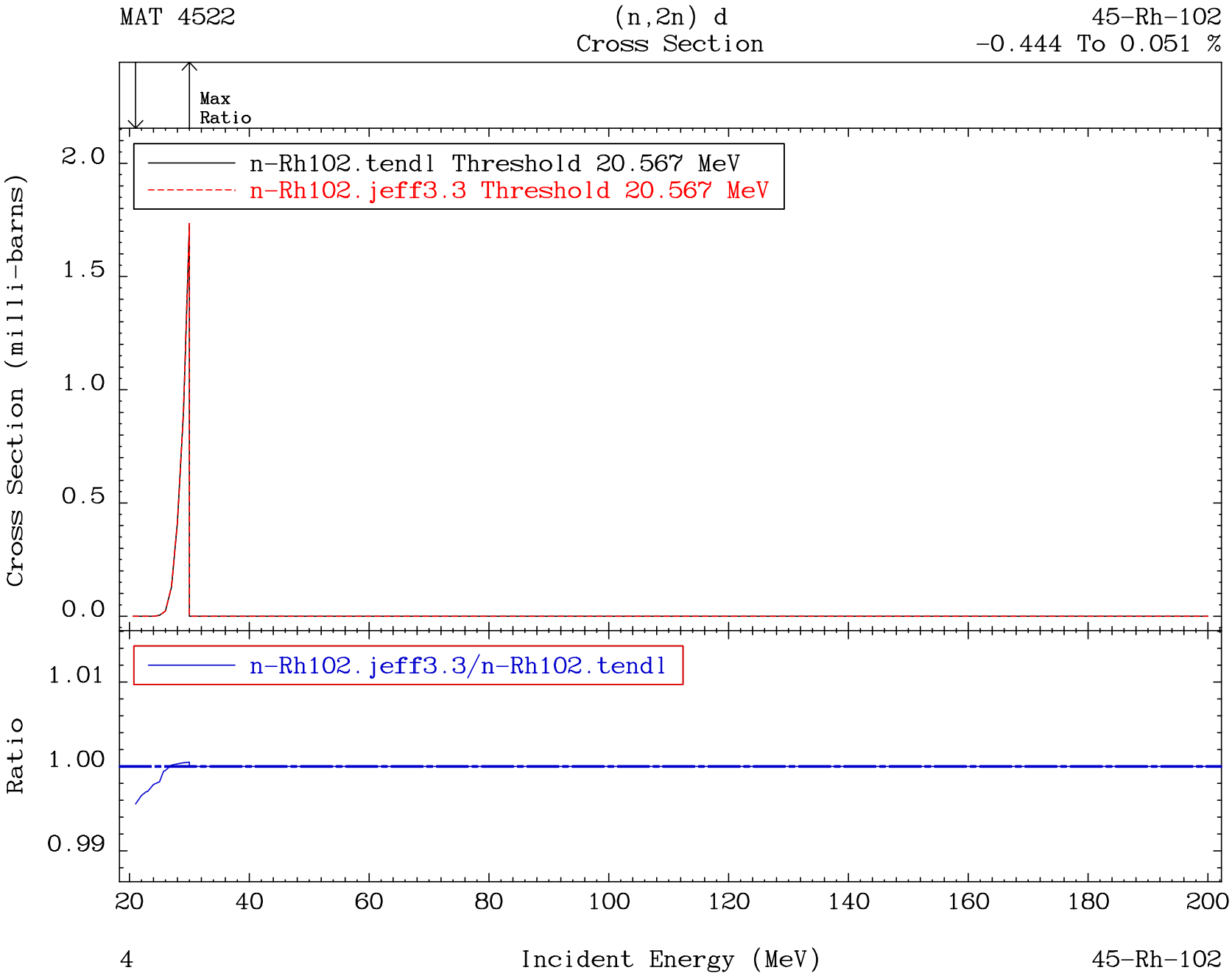
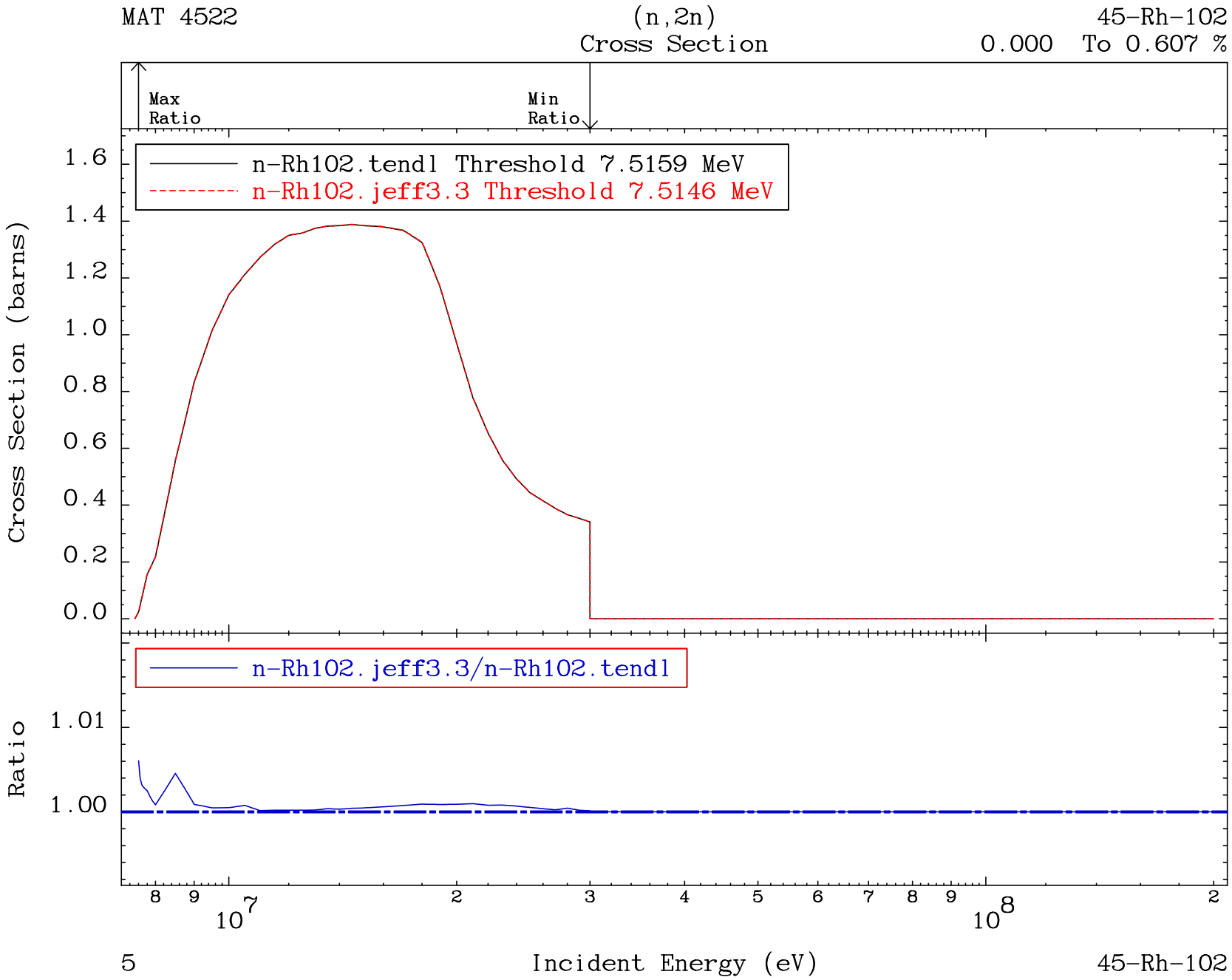
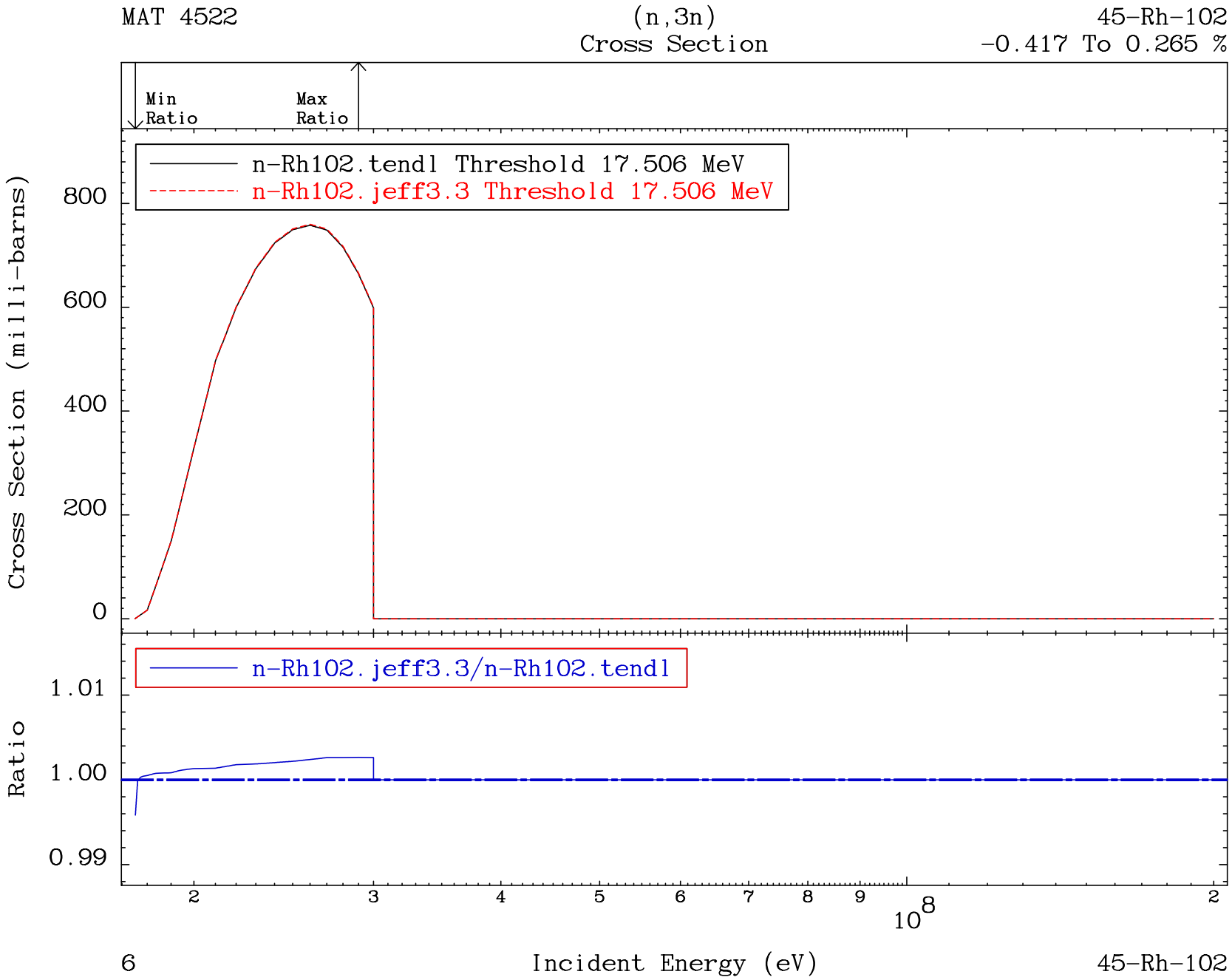

MAT 4522
Total
Cross Section
45-Rh-102
-95.85 To 9999. %
Max
Ratio
Min
Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
1
45-Rh-102

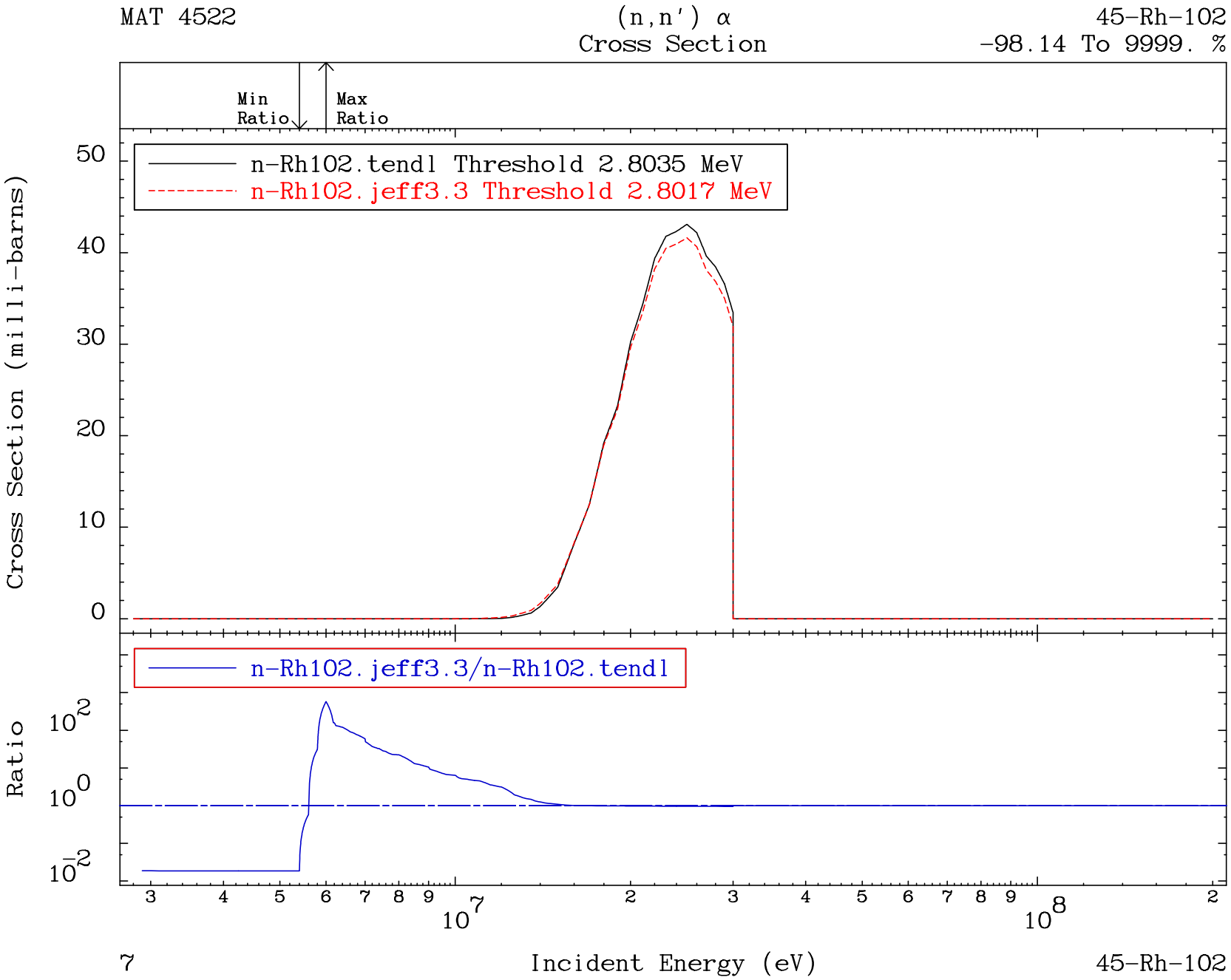

MAT 4522
Elastic
Cross Section
45-Rh-102
-75.43 To 9999. %
Max
Ratio
Min
Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
2
45-Rh-102

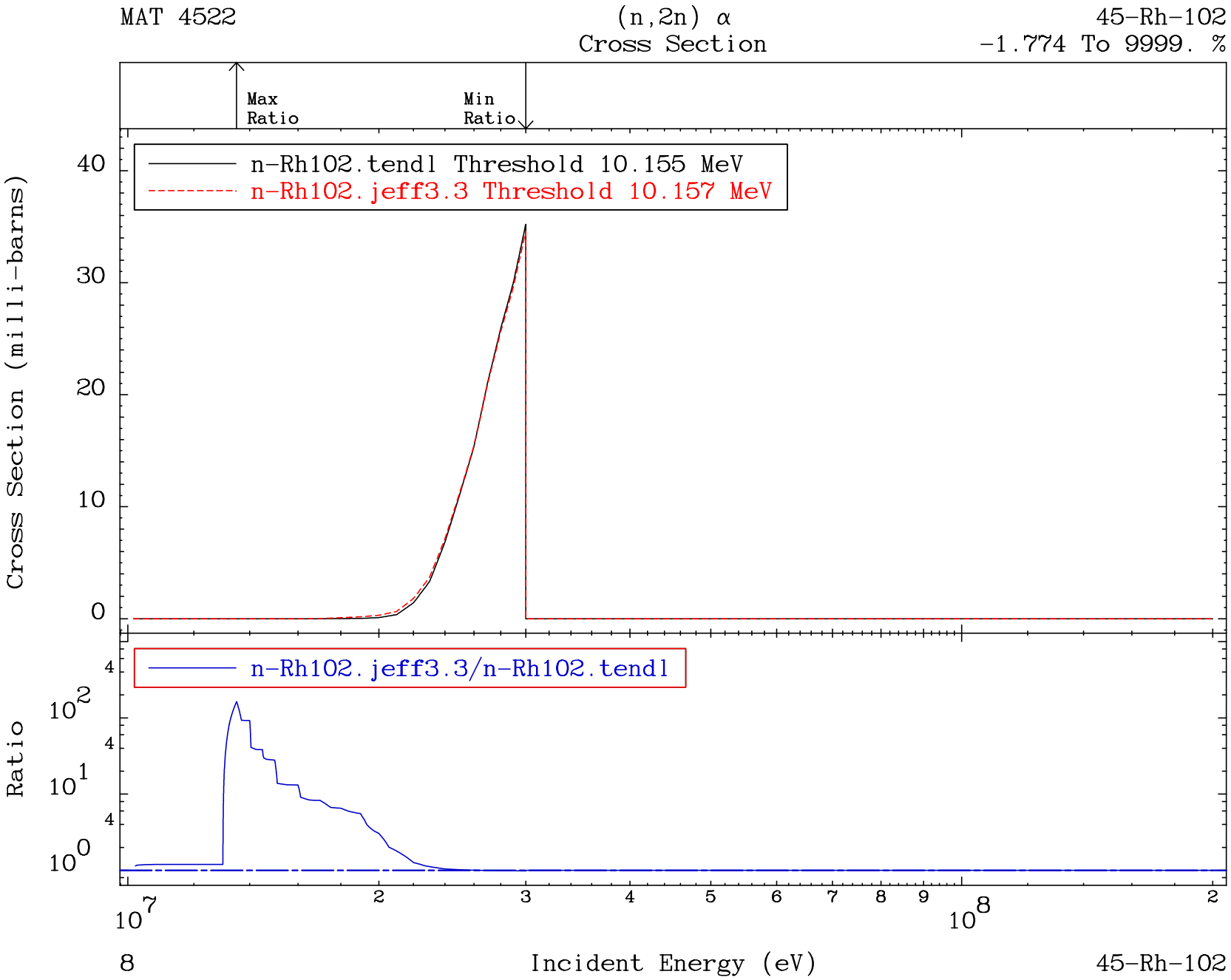

MAT 4522
Inelastic
Cross Section
45-Rh-102
-0.194 To 0.004 %
Max
Ratio
Min
Ratio
n-Rh102.tendl Threshold 42.355 keV
n-Rh102.jeff3.3 Threshold 42.355 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
45-Rh-102

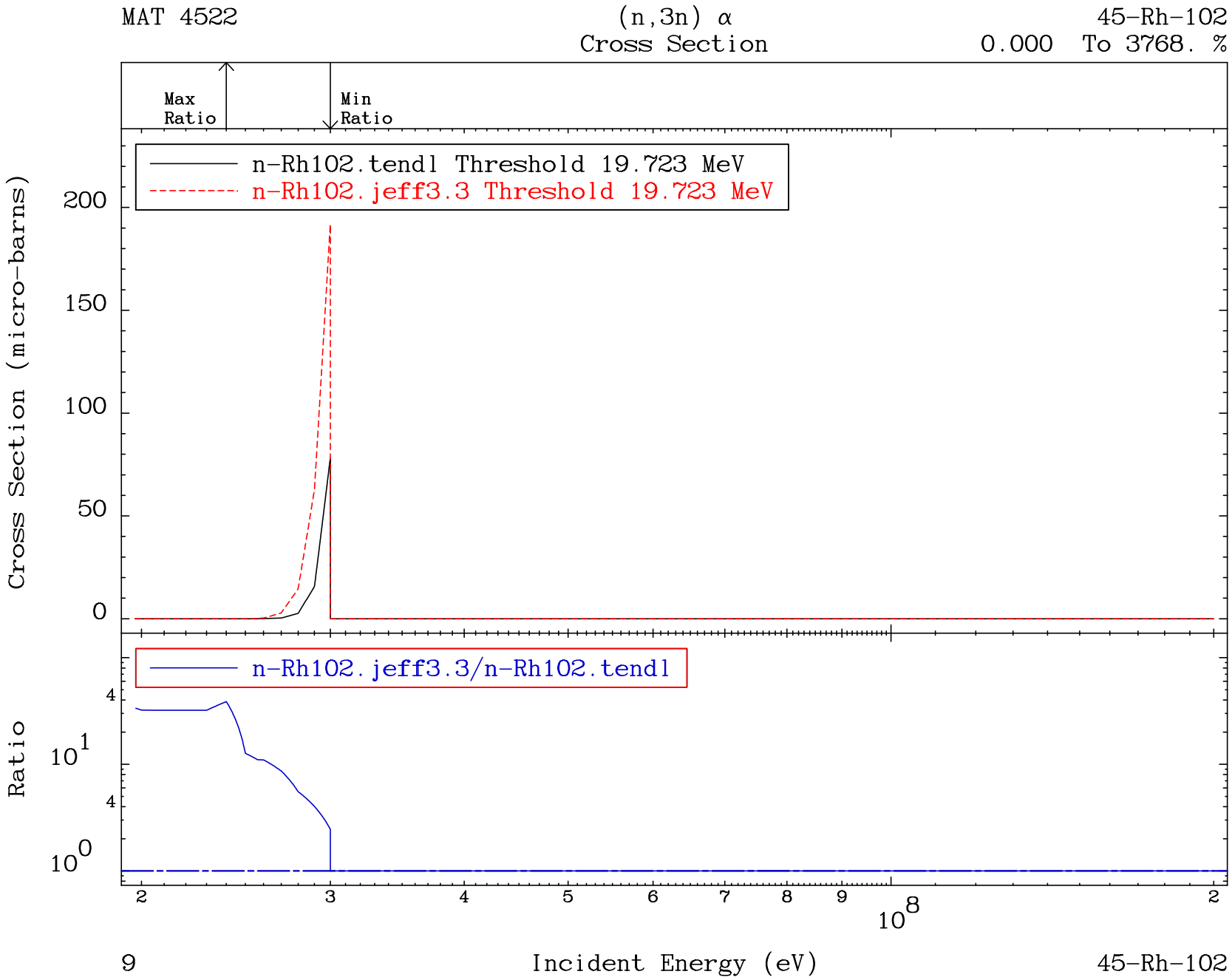

MAT 4522
(n,2n) d
Cross Section
45-Rh-102
-0.444 To 0.051 %
Max
Ratio
n-Rh102.tendl Threshold 20.567 MeV
n-Rh102.jeff3.3 Threshold 20.567 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
45-Rh-102

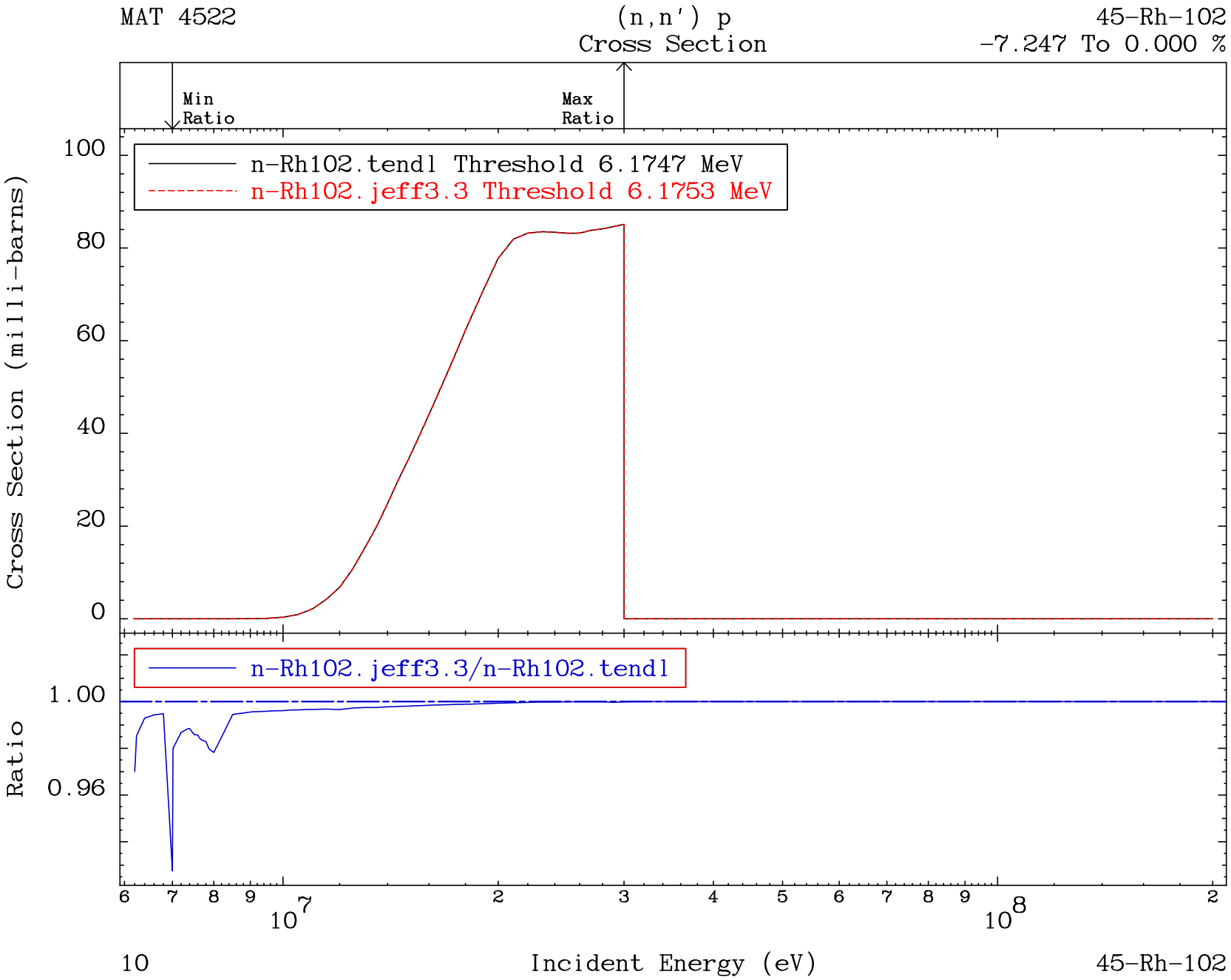

MAT 4522
(n,2n)
Cross Section
45-Rh-102
0.000 To 0.607 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 7.5159 MeV
n-Rh102.jeff3.3 Threshold 7.5146 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
45-Rh-102

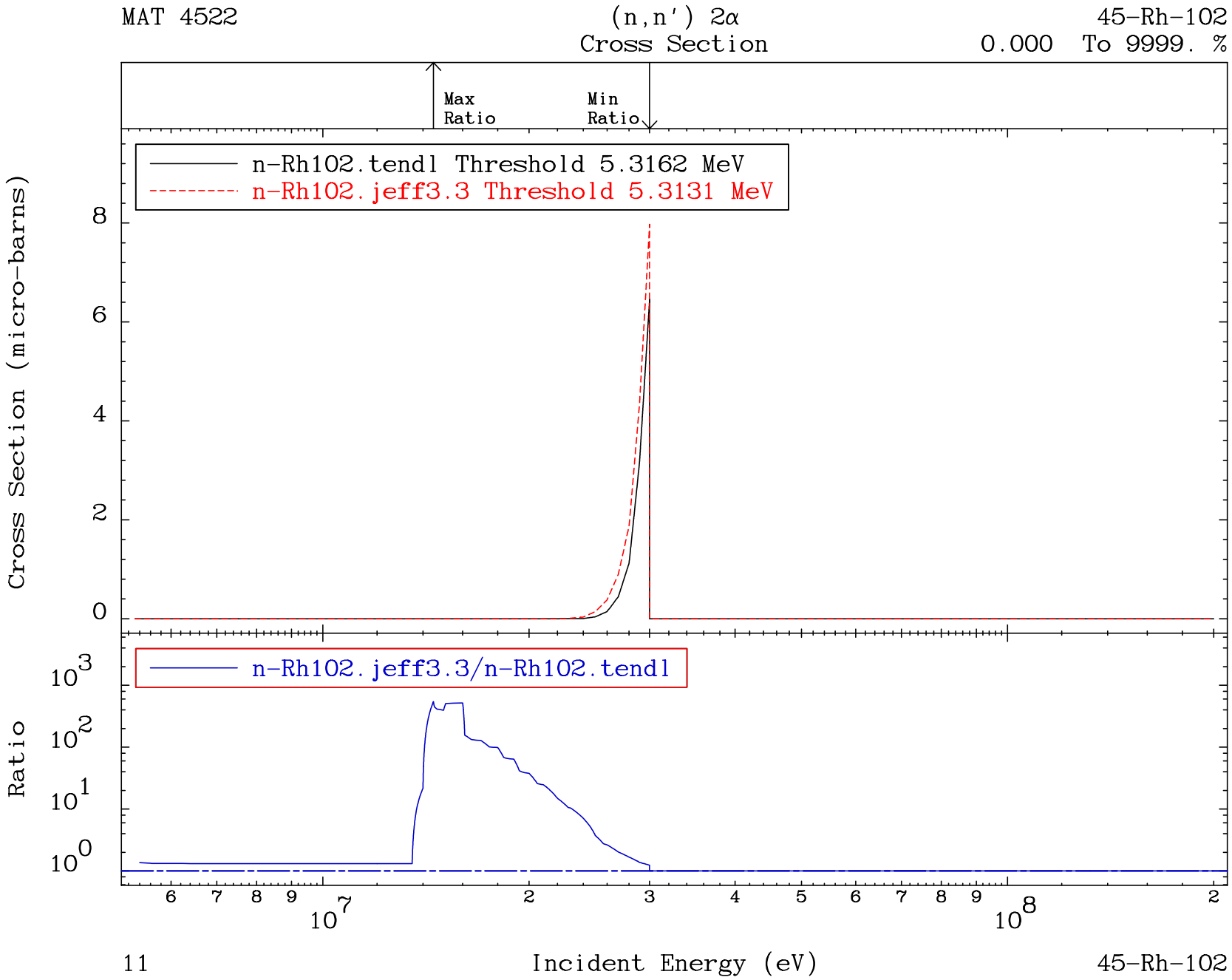

MAT 4522
(n,3n)
Cross Section
45-Rh-102
-0.417 To 0.265 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 17.506 MeV
n-Rh102.jeff3.3 Threshold 17.506 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
45-Rh-102

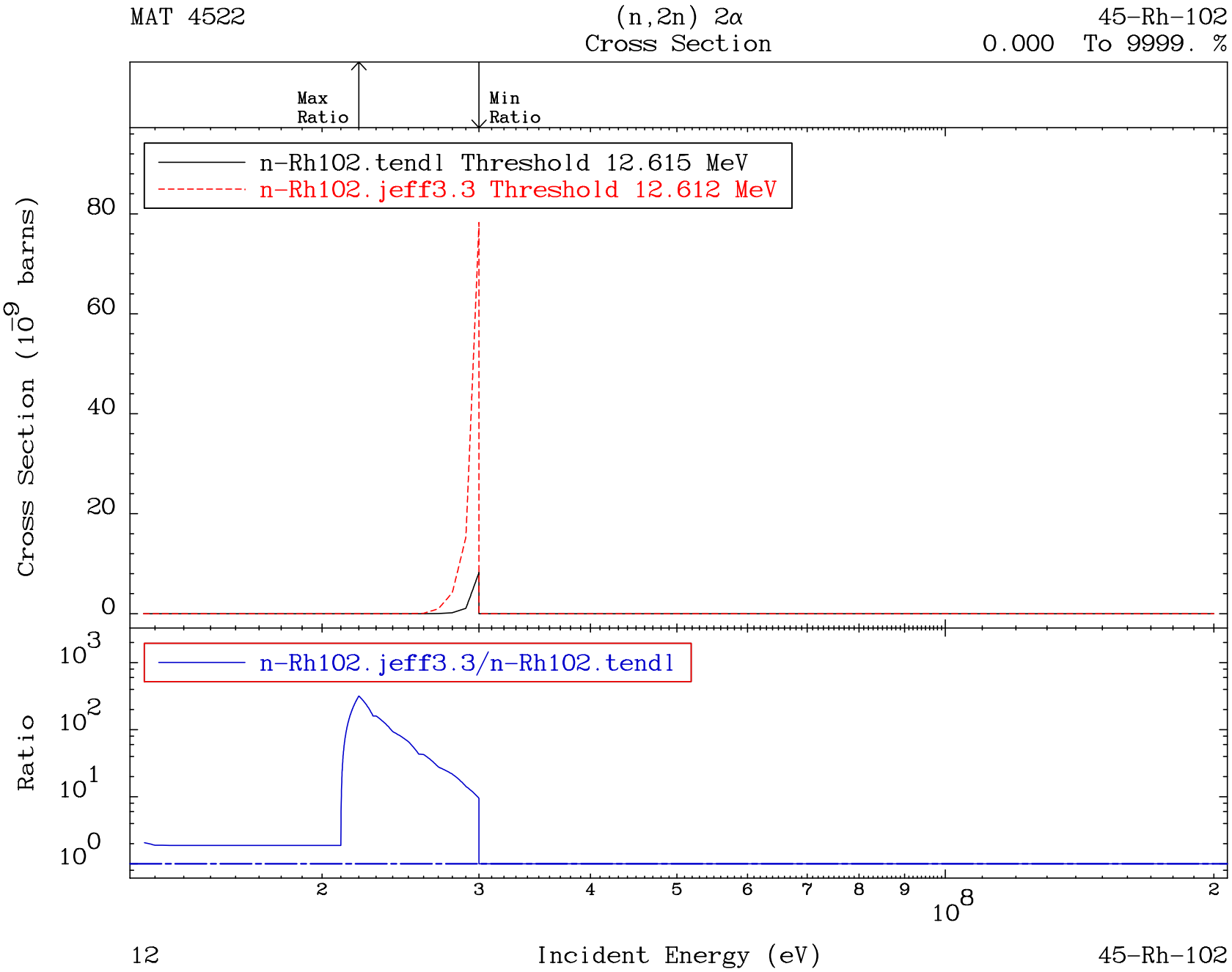

MAT 4522
(n,n') α
Cross Section
45-Rh-102
-98.14 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 2.8035 MeV
n-Rh102.jeff3.3 Threshold 2.8017 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^0
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
45-Rh-102

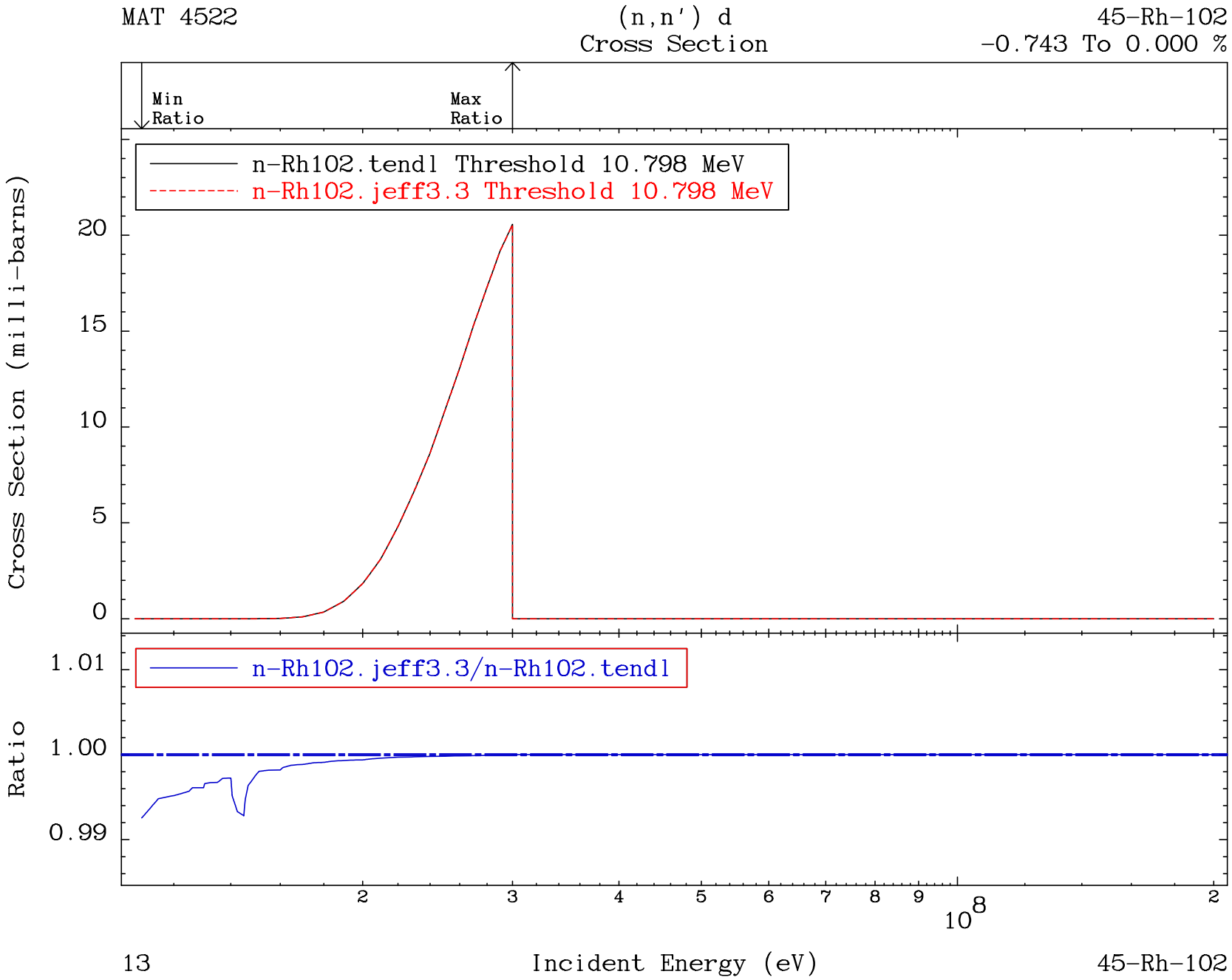

MAT 4522
(n,2n) α
Cross Section
45-Rh-102
-1.774 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 10.155 MeV
n-Rh102.jeff3.3 Threshold 10.157 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^1
10^0
10^7
10^8
Incident Energy (eV)
8
45-Rh-102

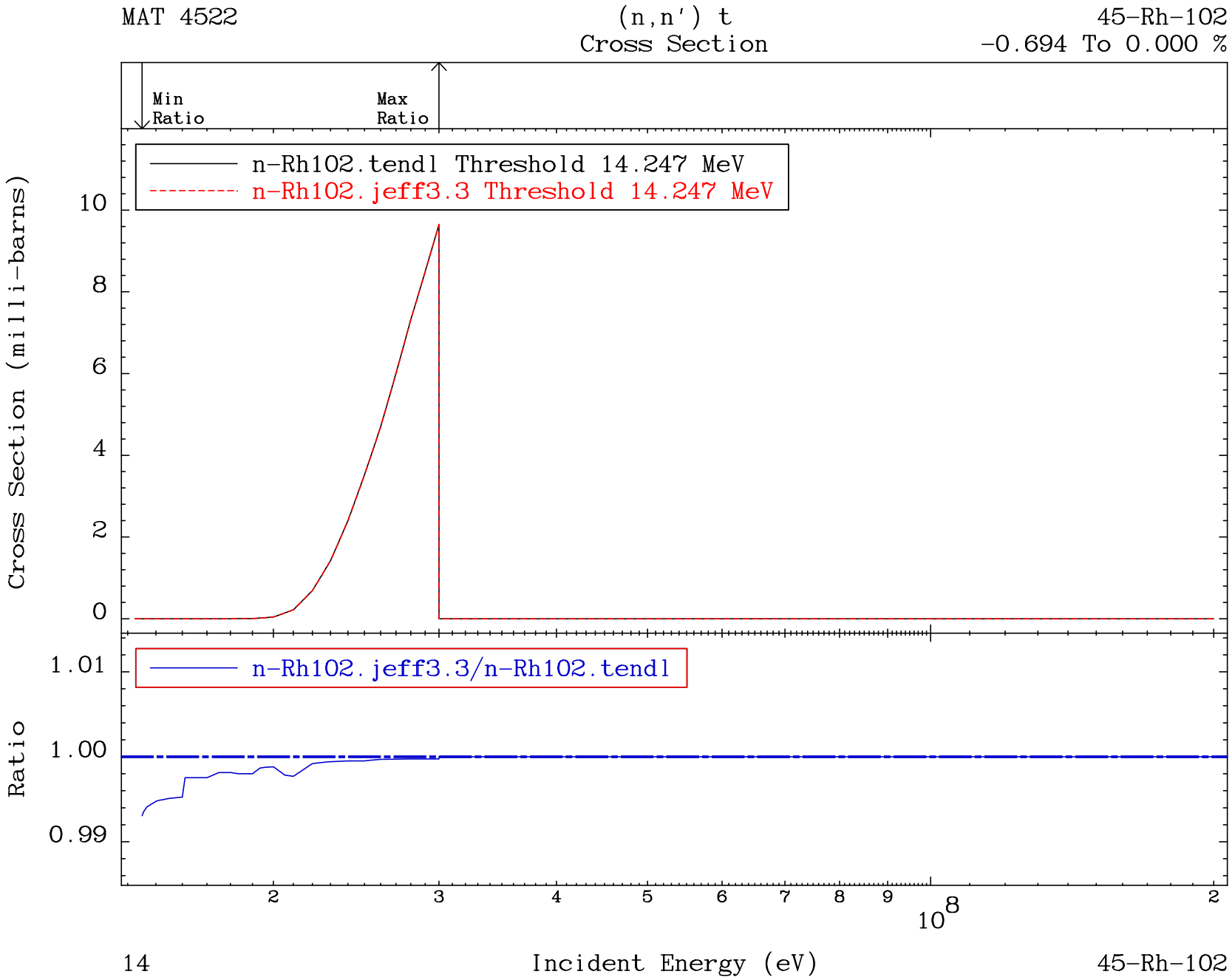

MAT 4522
(n,3n) α
Cross Section
45-Rh-102
0.000 To 3768. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 19.723 MeV
n-Rh102.jeff3.3 Threshold 19.723 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
45-Rh-102

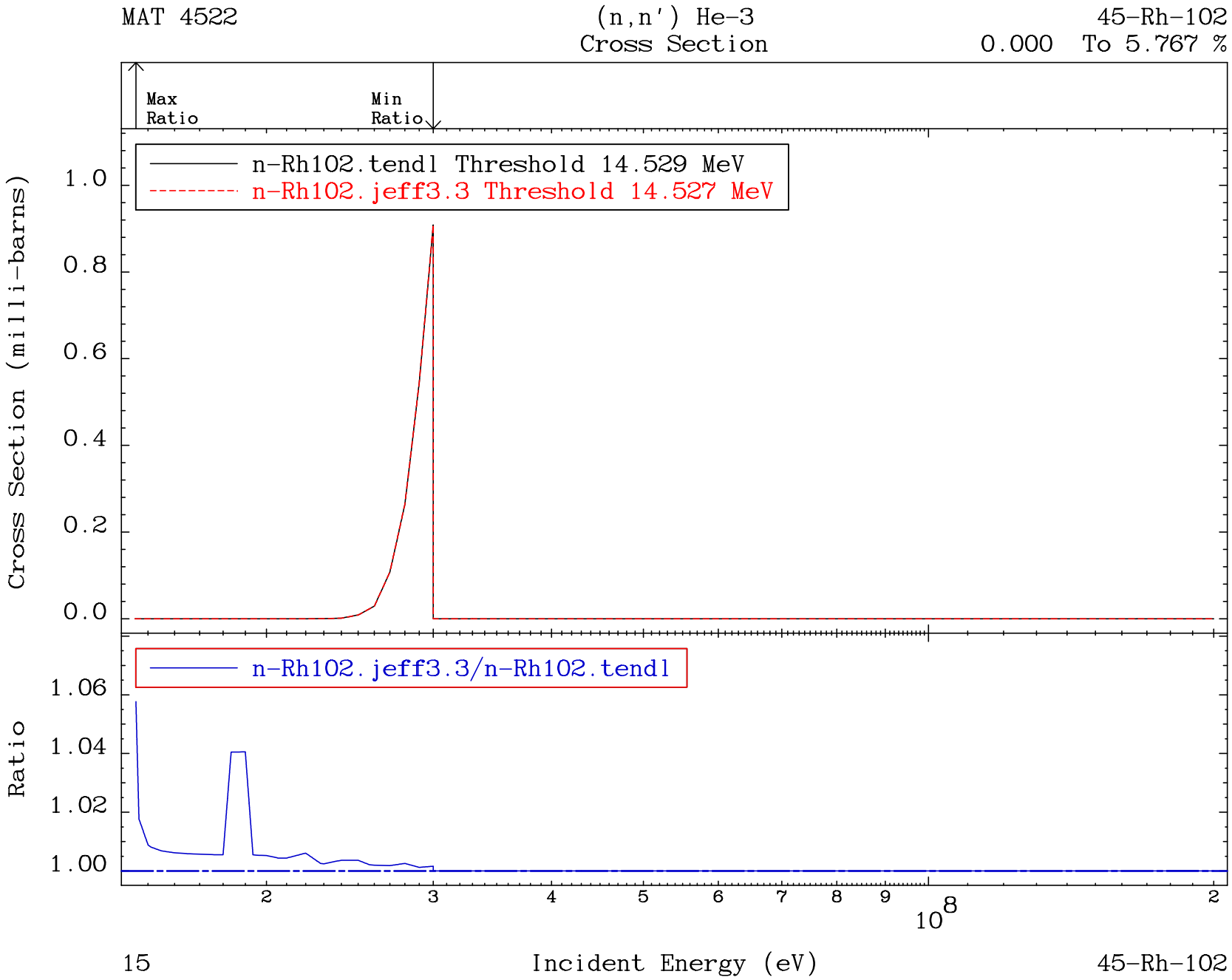

MAT 4522
(n,n') p
Cross Section
45-Rh-102
-7.247 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 6.1747 MeV
n-Rh102.jeff3.3 Threshold 6.1753 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
0.96
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
45-Rh-102

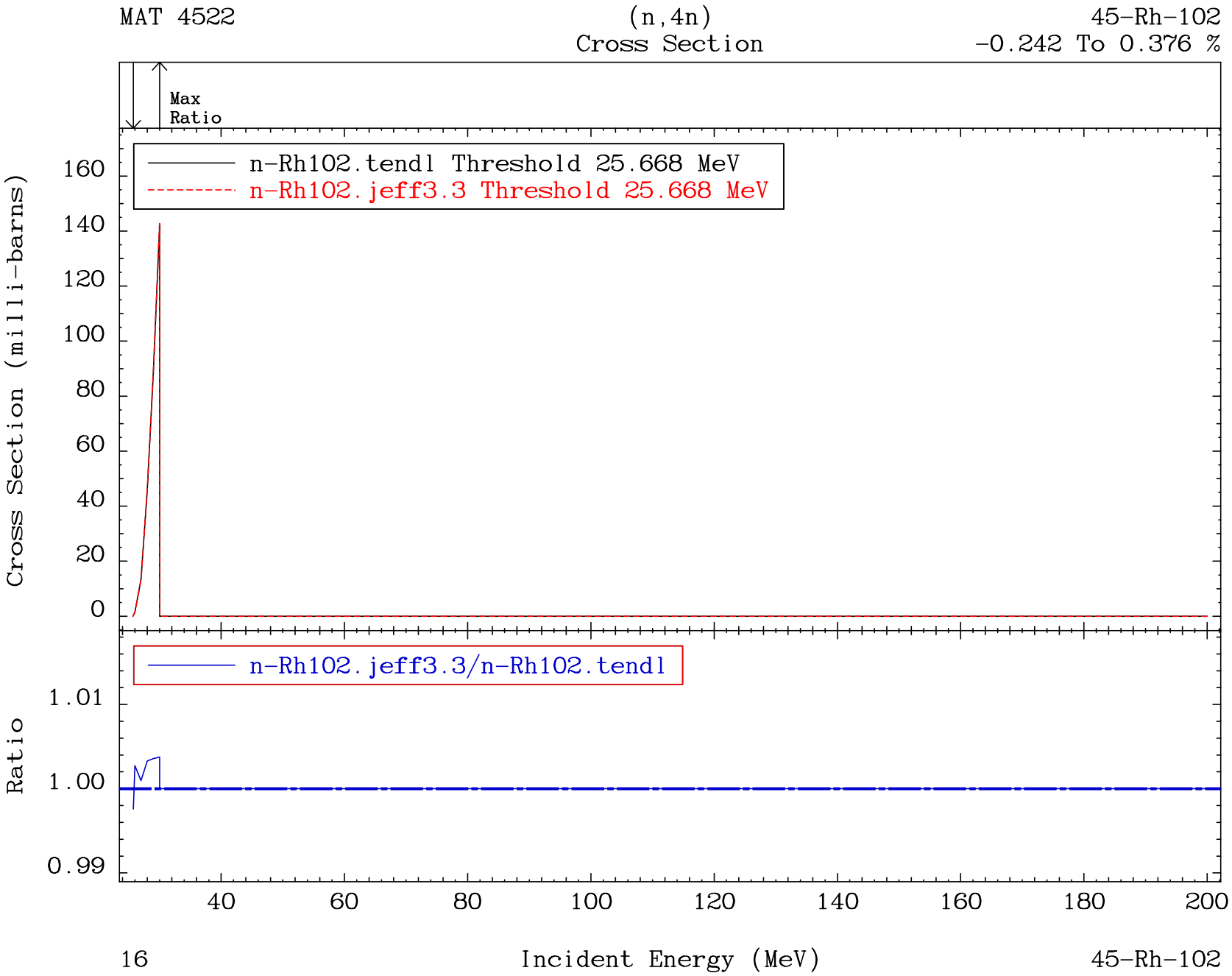

MAT 4522
(n,n') 2α
Cross Section
45-Rh-102
0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 5.3162 MeV
n-Rh102.jeff3.3 Threshold 5.3131 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^0
10^1
10^2
10^3
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
45-Rh-102

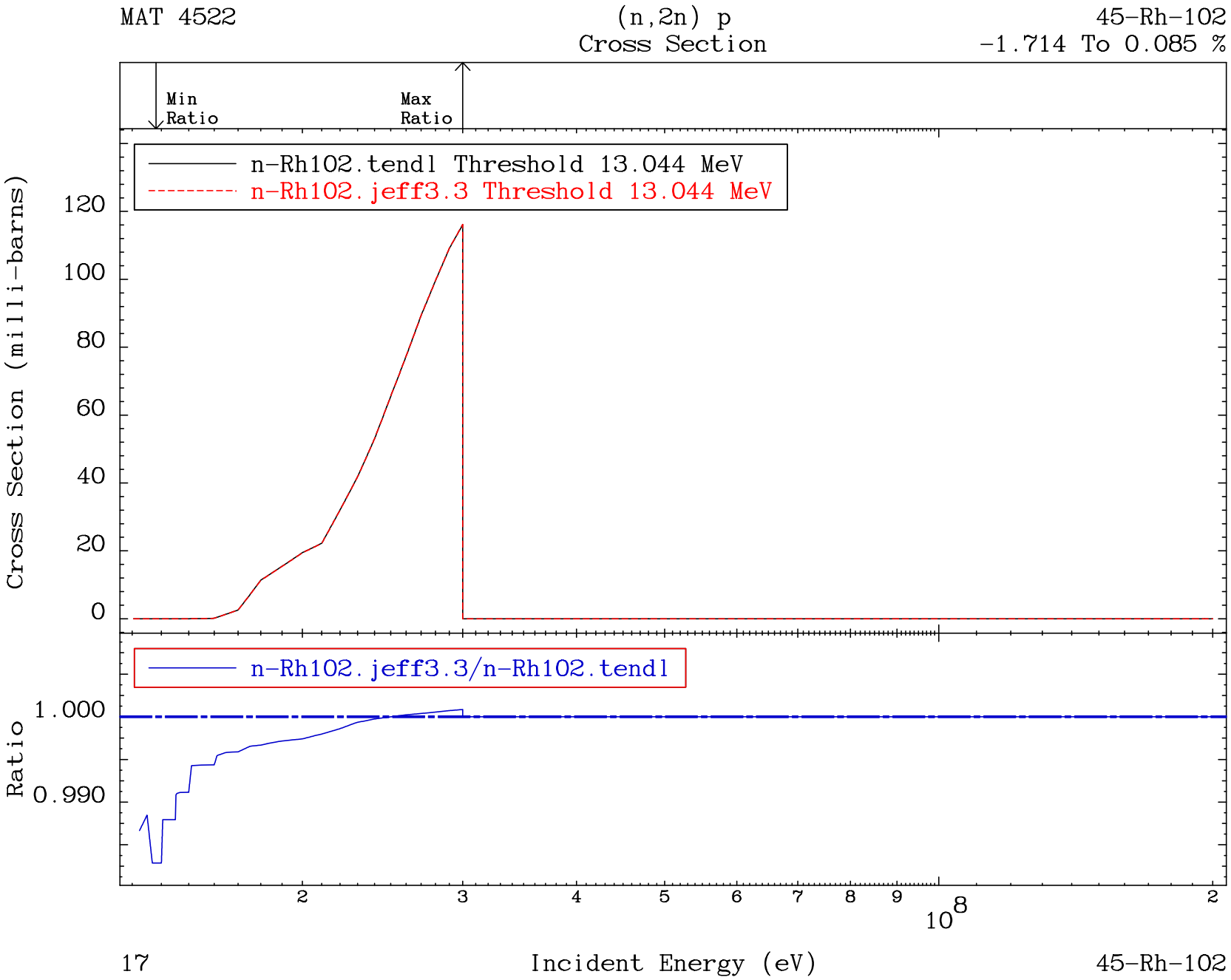

MAT 4522
(n,2n) 2α
Cross Section
45-Rh-102
0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 12.615 MeV
n-Rh102.jeff3.3 Threshold 12.612 MeV
Cross Section (10^-9 barns)
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
45-Rh-102

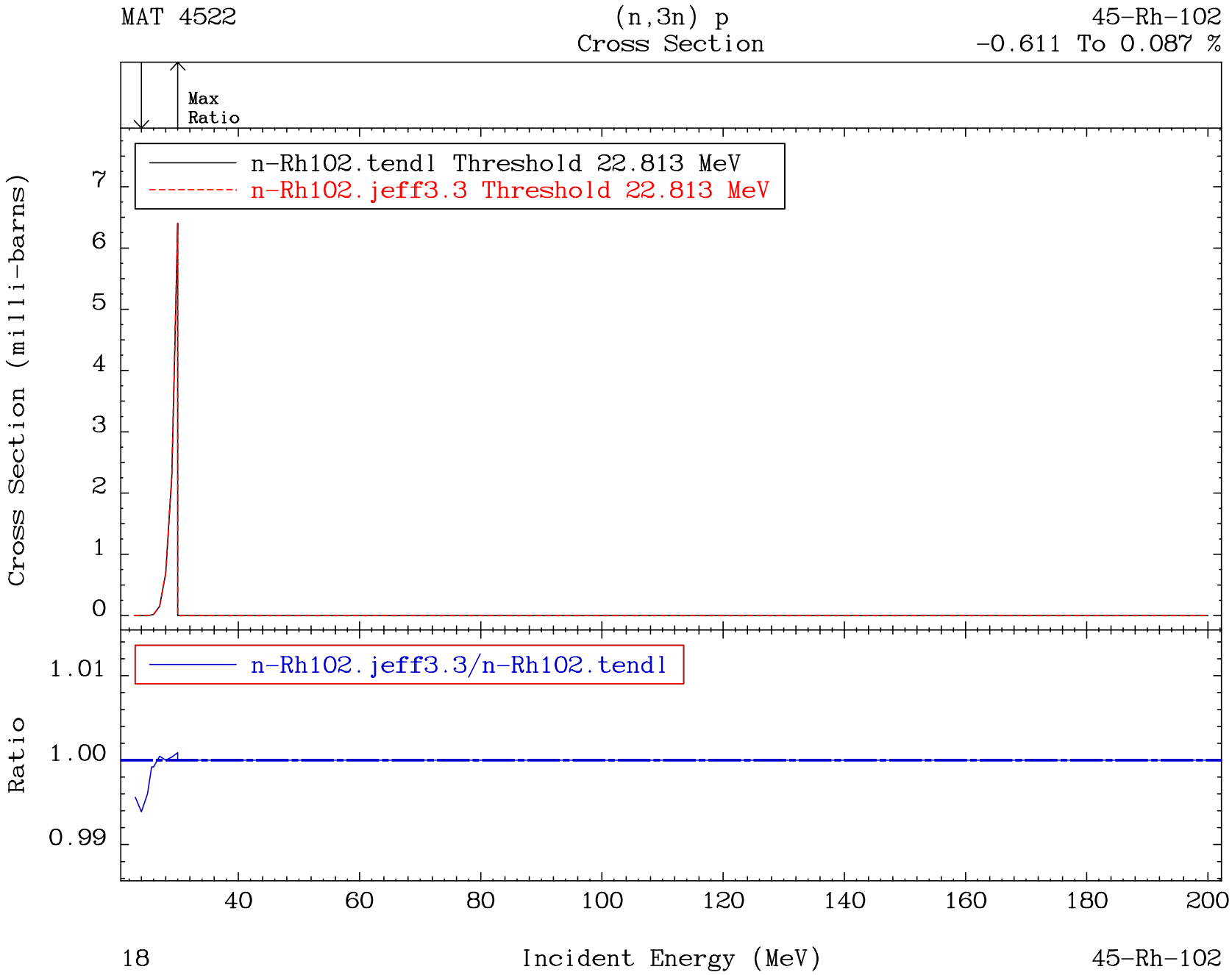

MAT 4522
(n,n') d
Cross Section
45-Rh-102
-0.743 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 10.798 MeV
n-Rh102.jeff3.3 Threshold 10.798 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
45-Rh-102

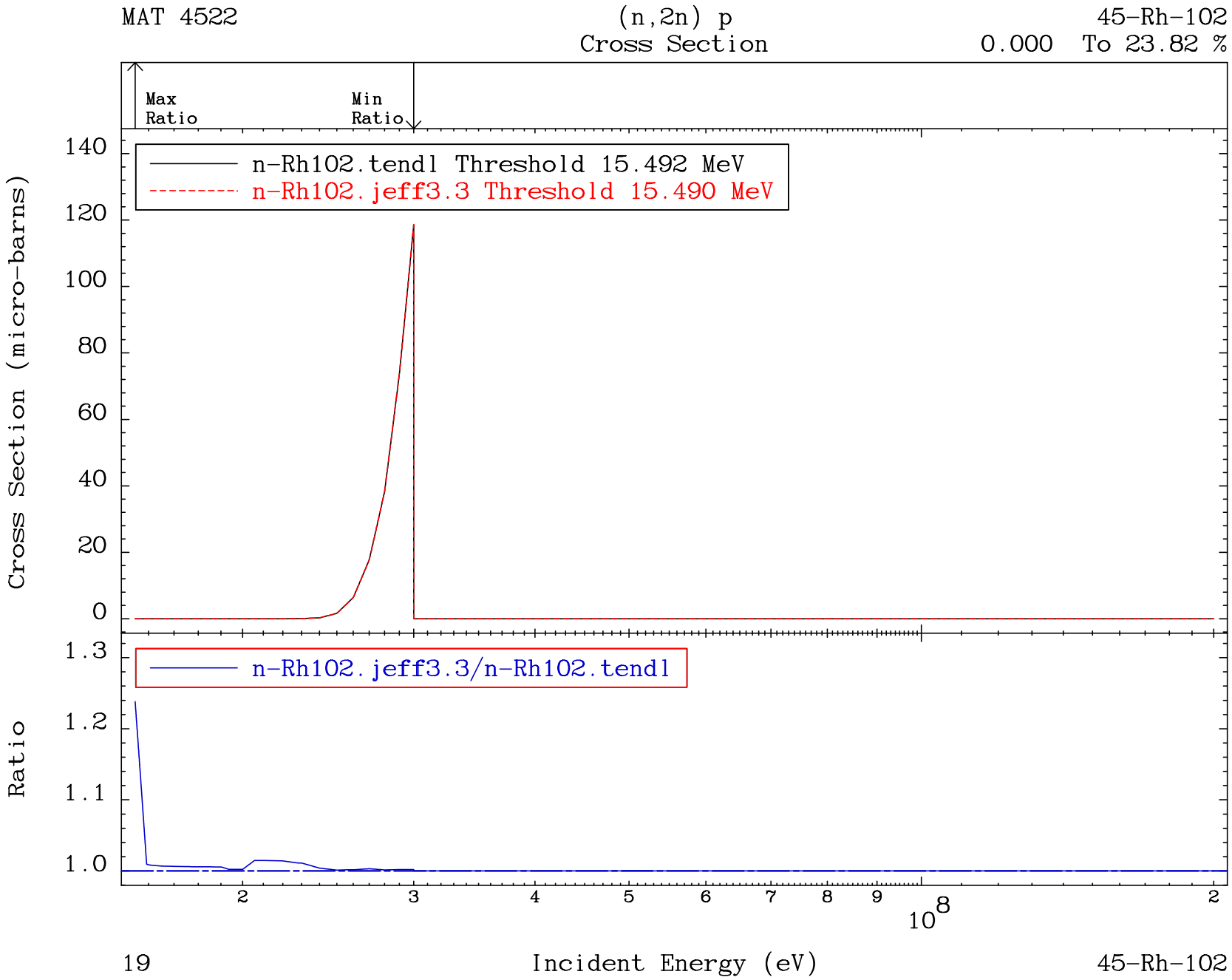

MAT 4522
(n,n') t
Cross Section
45-Rh-102
-0.694 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 14.247 MeV
n-Rh102.jeff3.3 Threshold 14.247 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
45-Rh-102

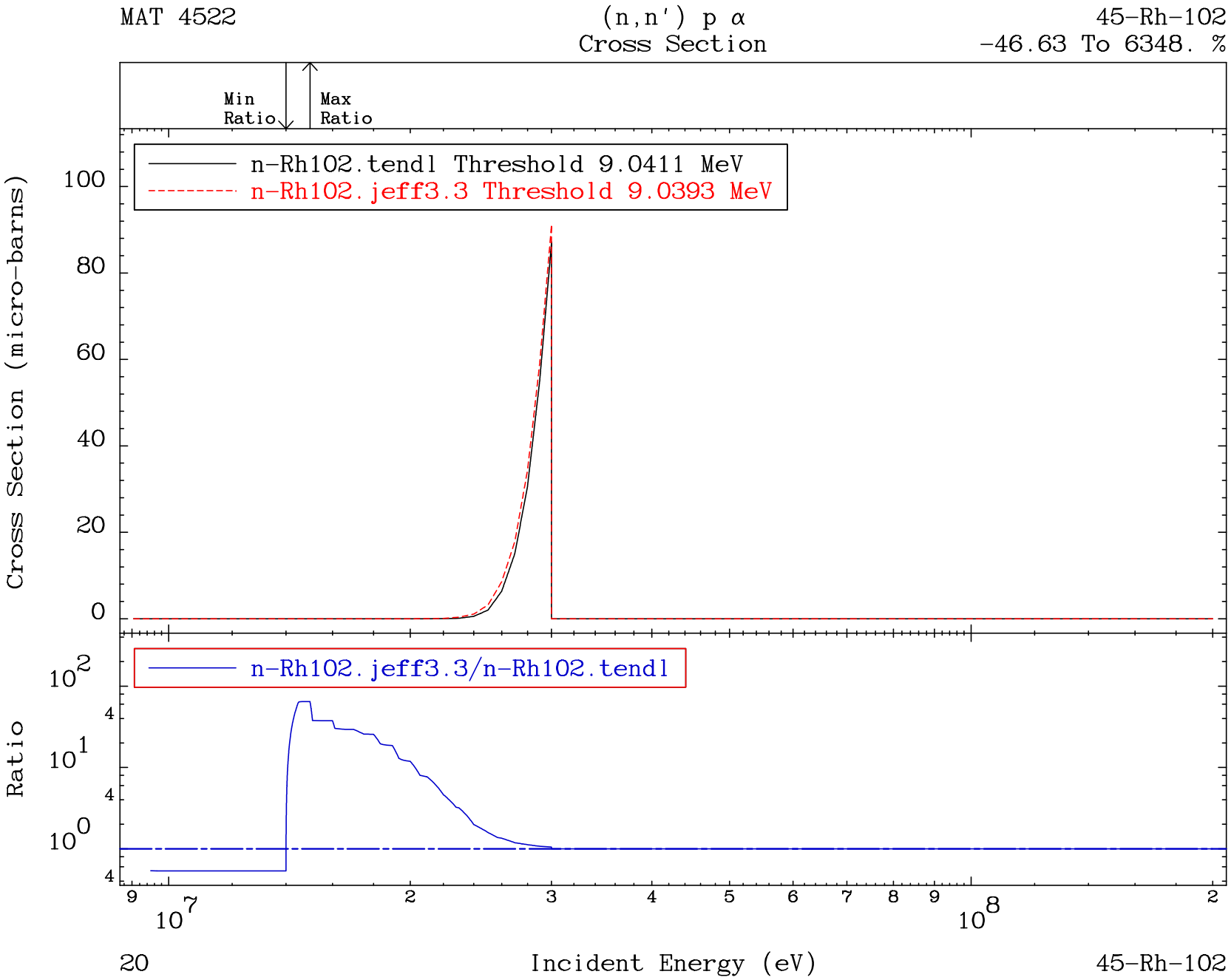

MAT 4522
(n,n') He-3
Cross Section
45-Rh-102
0.000 To 5.767 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 14.529 MeV
n-Rh102.jeff3.3 Threshold 14.527 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
45-Rh-102

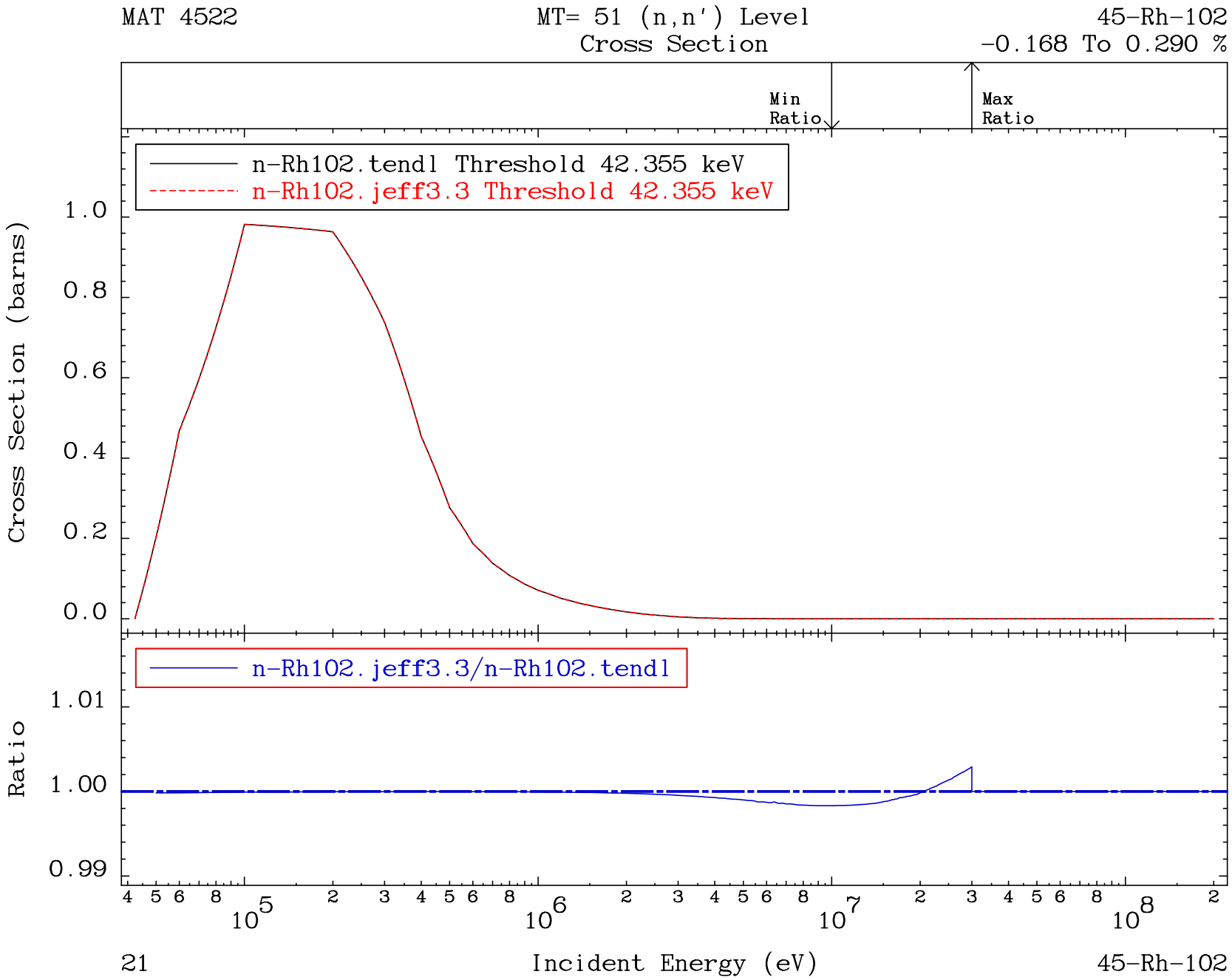

MAT 4522
(n,4n)
Cross Section
45-Rh-102
-0.242 To 0.376 %
Max
Ratio
n-Rh102.tendl Threshold 25.668 MeV
n-Rh102.jeff3.3 Threshold 25.668 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
45-Rh-102

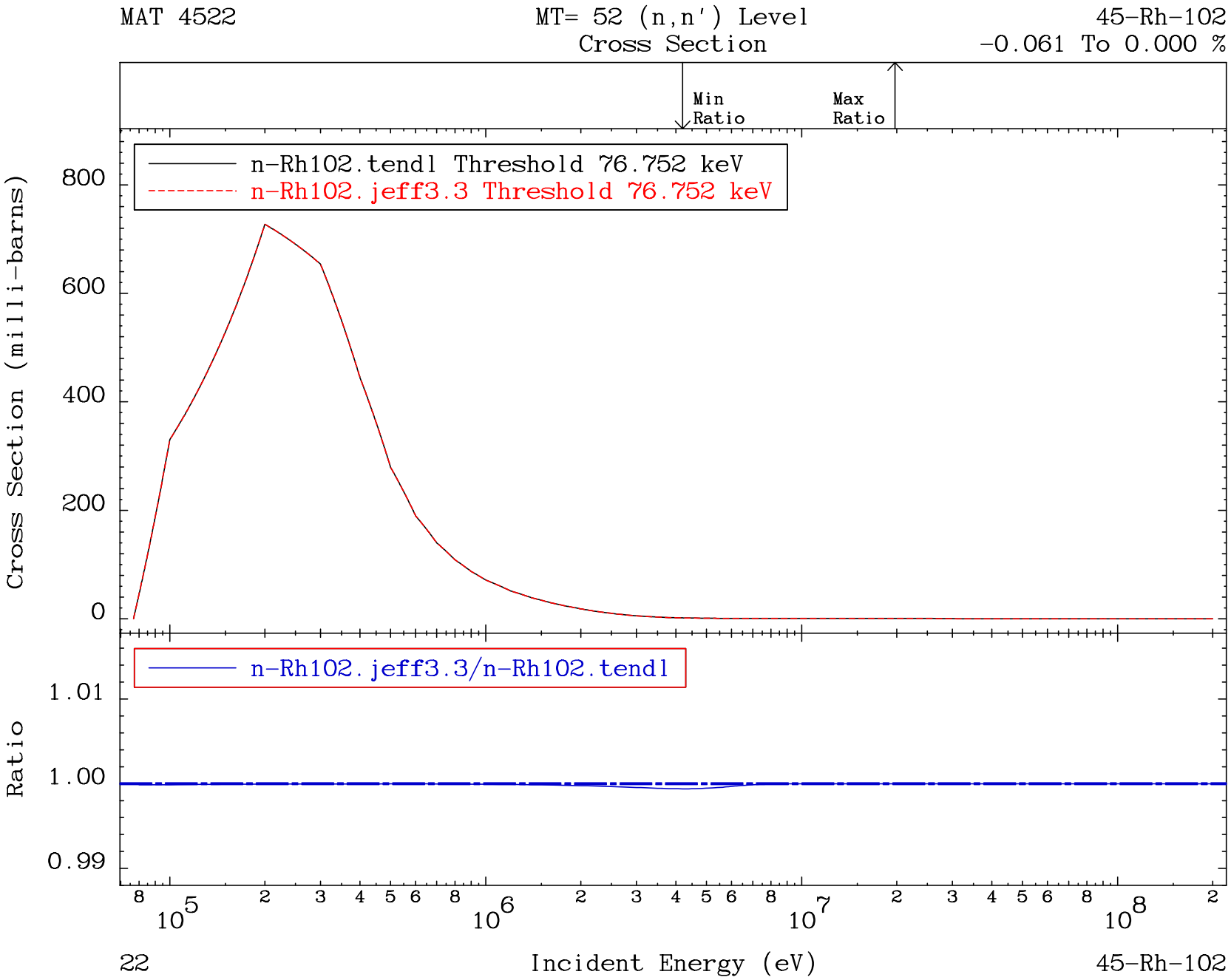

MAT 4522
(n,2n) p
Cross Section
45-Rh-102
-1.714 To 0.085 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 13.044 MeV
n-Rh102.jeff3.3 Threshold 13.044 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.000
0.990
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
45-Rh-102

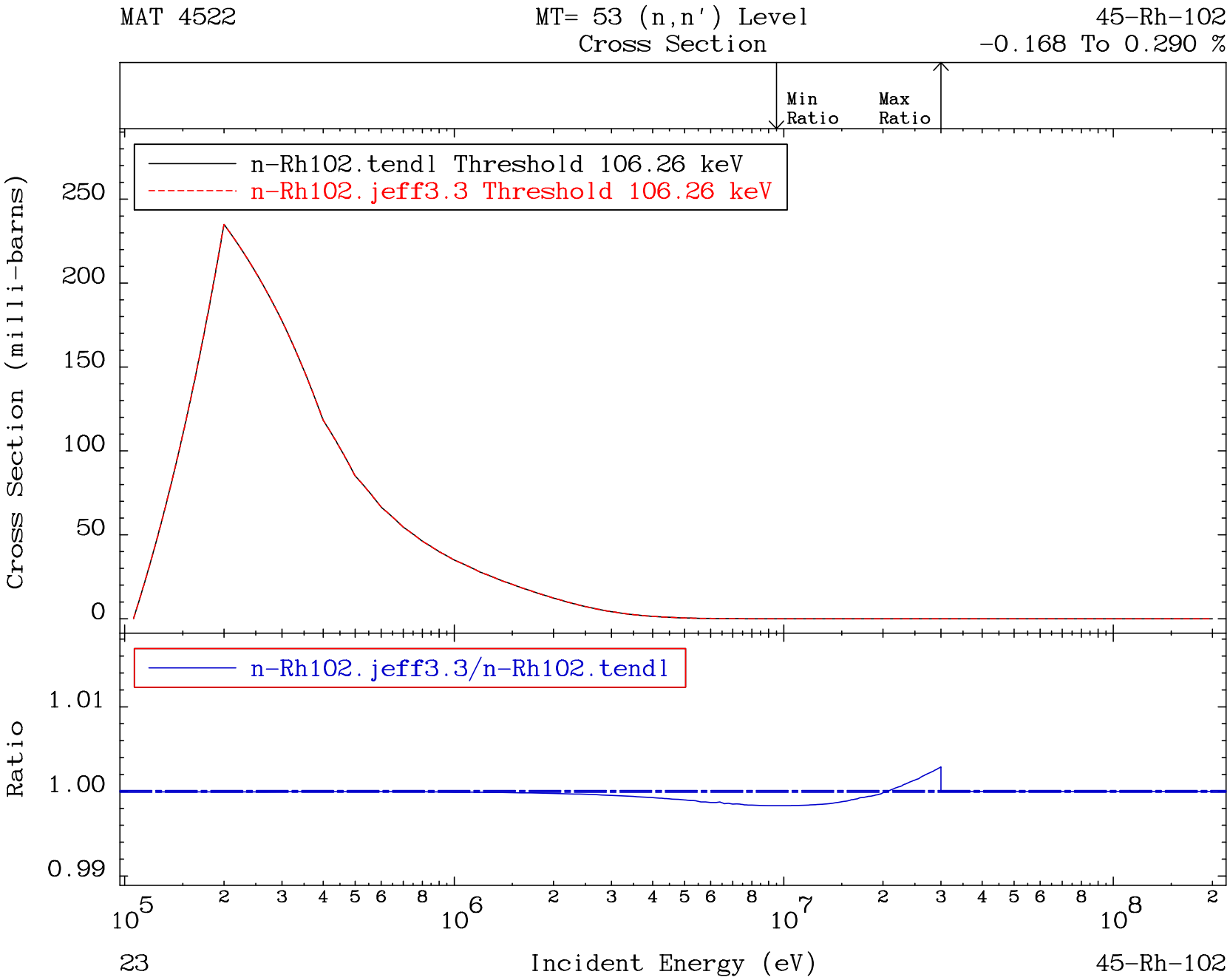

MAT 4522
(n,3n) p
Cross Section
45-Rh-102
-0.611 To 0.087 %
Max
Ratio
n-Rh102.tendl Threshold 22.813 MeV
n-Rh102.jeff3.3 Threshold 22.813 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
0.99
1.00
1.01
40
60
80
100
120
140
160
180
200
18
Incident Energy (MeV)
45-Rh-102

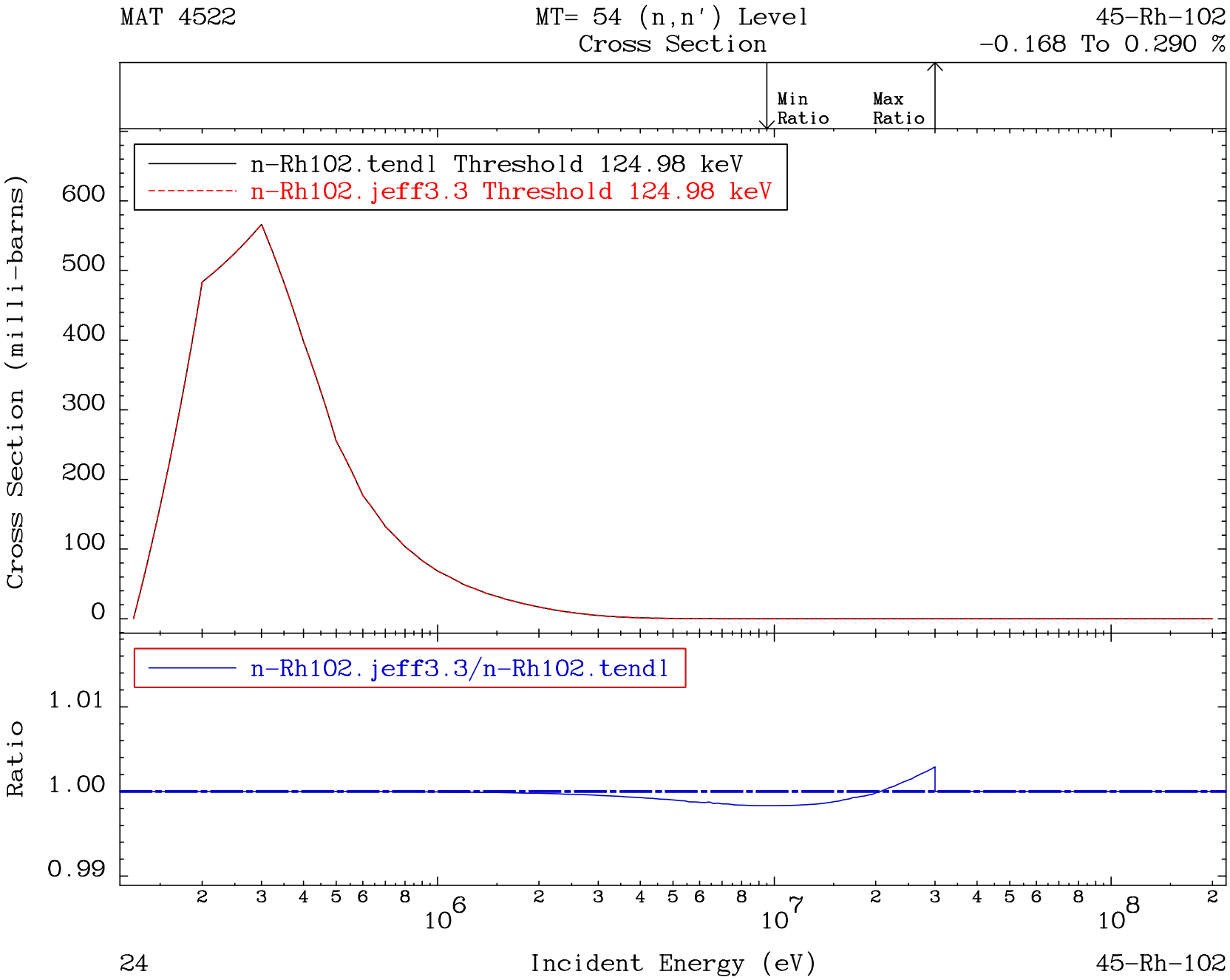

MAT 4522
(n,2n) p
Cross Section
45-Rh-102
0.000 To 23.82 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 15.492 MeV
n-Rh102.jeff3.3 Threshold 15.490 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
45-Rh-102

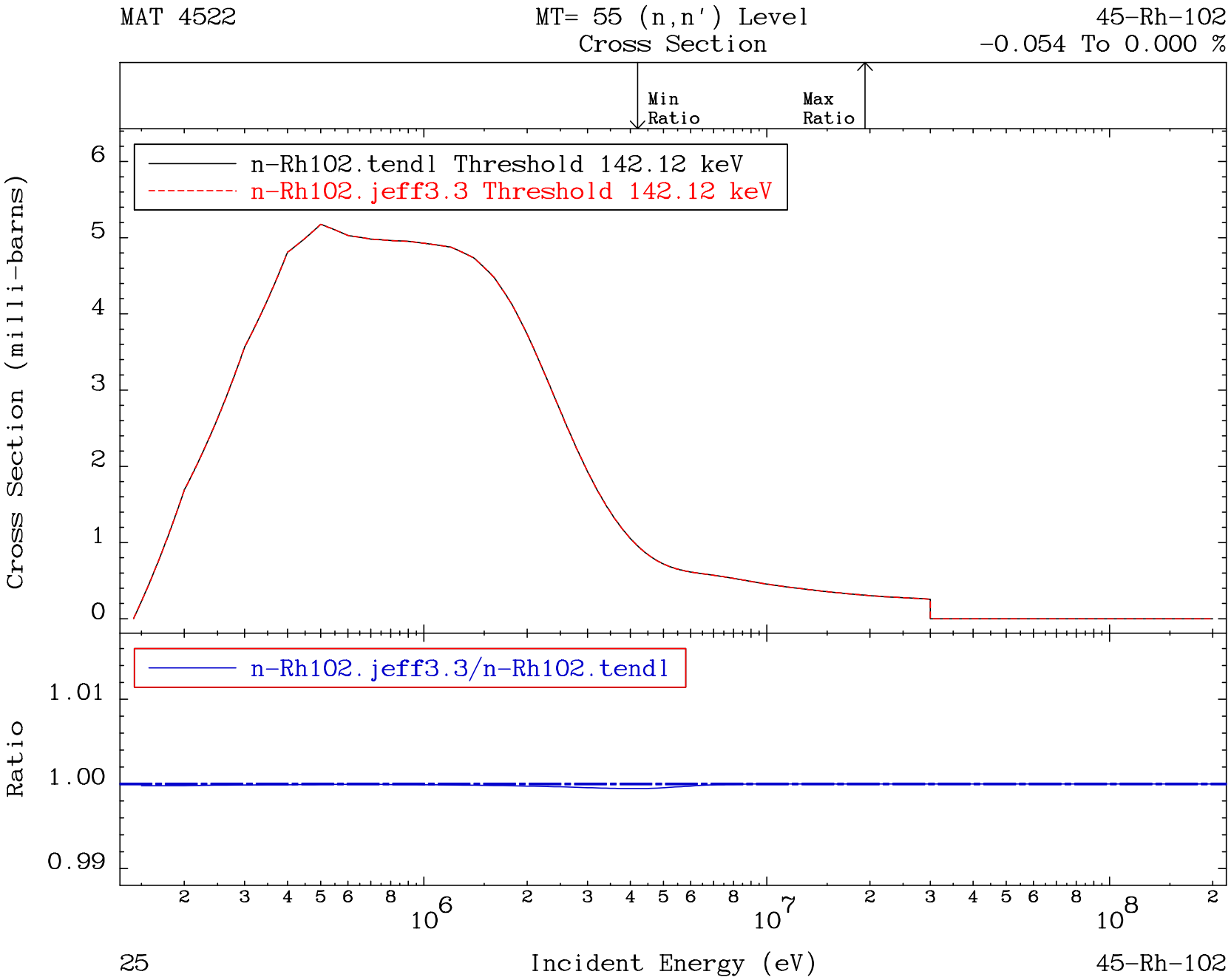

MAT 4522
(n,n') p α
Cross Section
45-Rh-102
-46.63 To 6348. %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 9.0411 MeV
n-Rh102.jeff3.3 Threshold 9.0393 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
20
Incident Energy (eV)
45-Rh-102

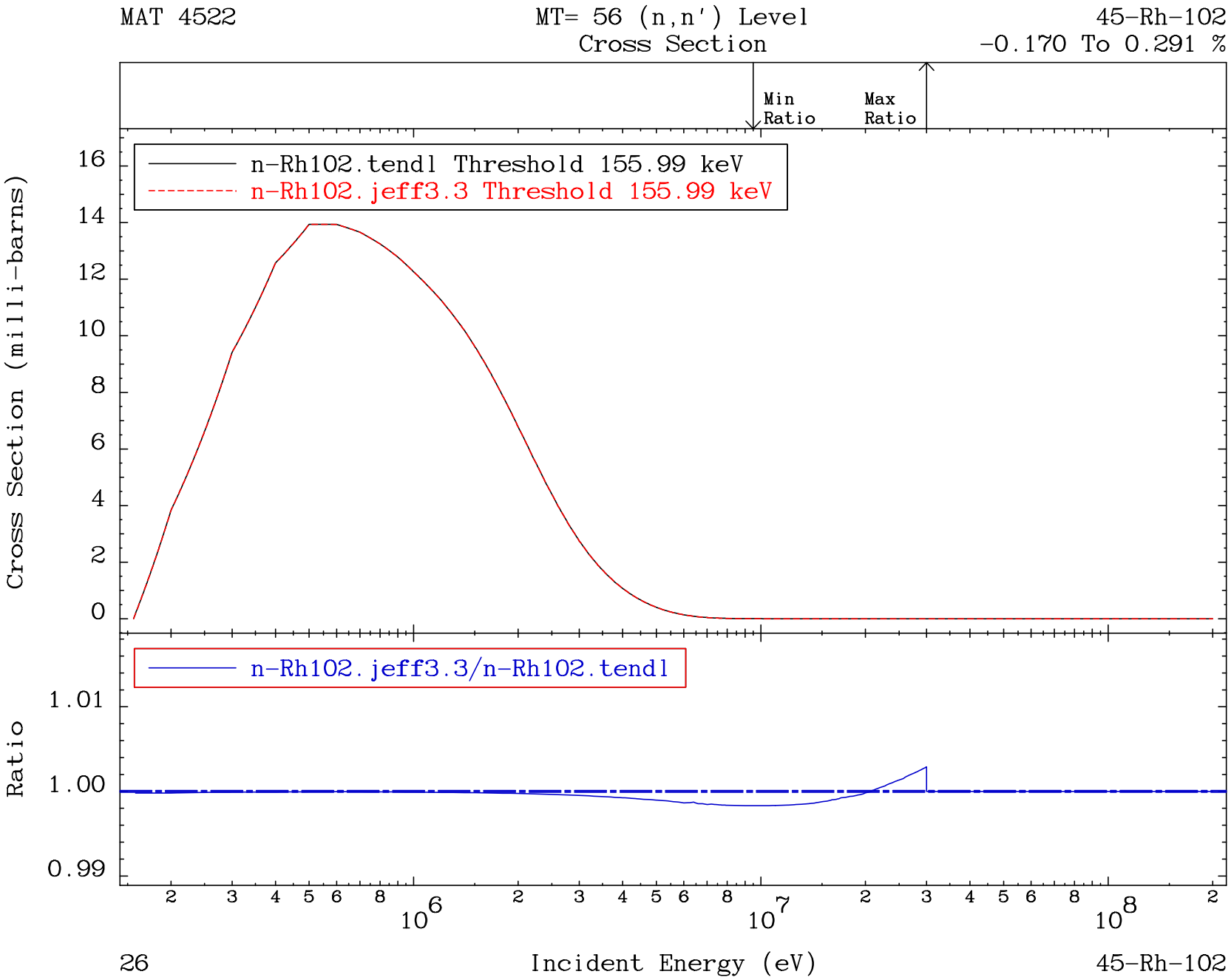

MAT 4522
MT= 51 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 42.355 keV
n-Rh102.jeff3.3 Threshold 42.355 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
45-Rh-102

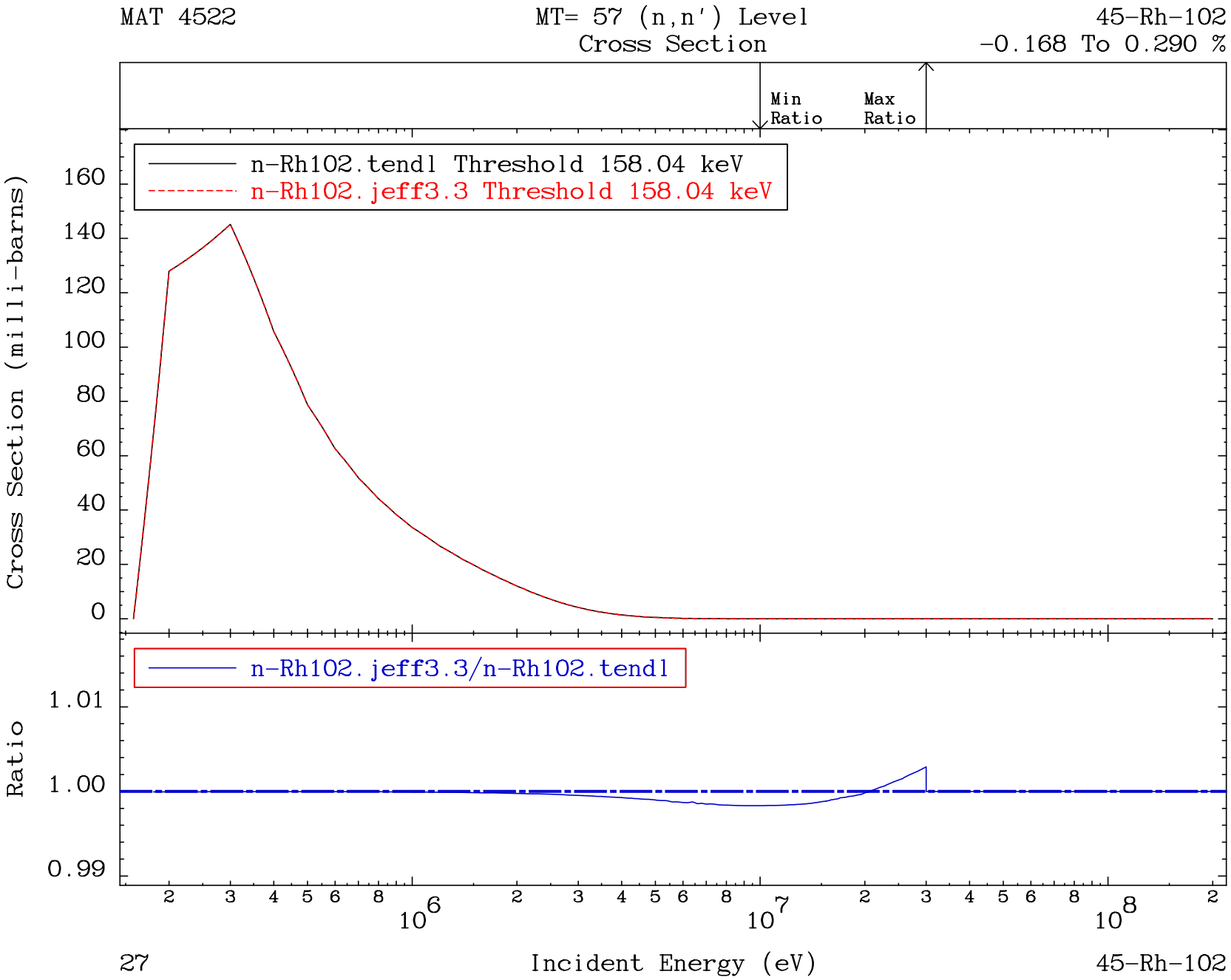

MAT 4522
MT= 52 (n,n') Level
Cross Section
45-Rh-102
-0.061 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 76.752 keV
n-Rh102.jeff3.3 Threshold 76.752 keV
Cross Section (milli-barns)
800
600
400
200
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
10^5
10^6
10^7
10^8
22
Incident Energy (eV)
45-Rh-102

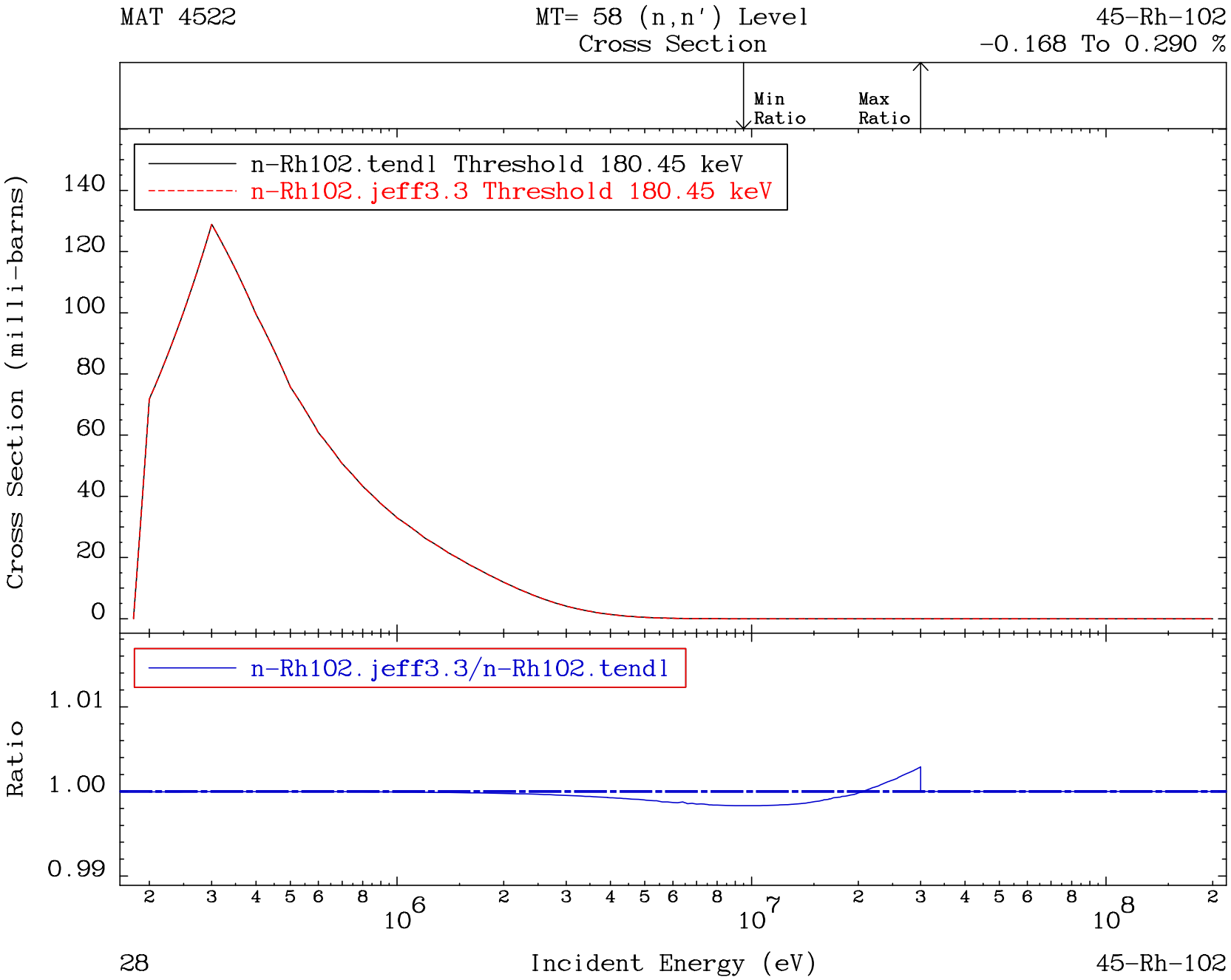

MAT 4522
MT= 53 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 106.26 keV
n-Rh102.jeff3.3 Threshold 106.26 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
10^5
10^6
10^7
10^8
Incident Energy (eV)
23
45-Rh-102

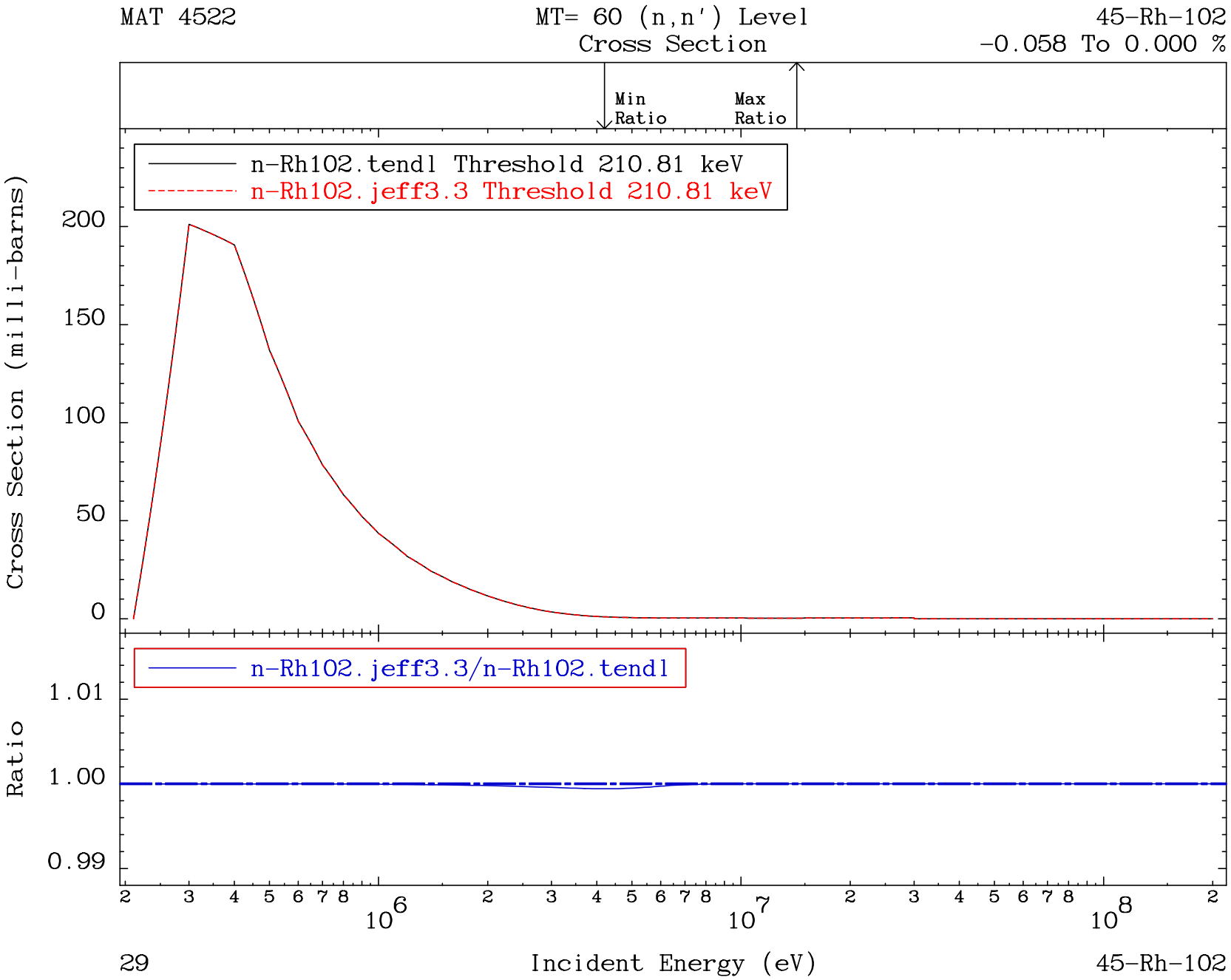

MAT 4522
MT= 54 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 124.98 keV
n-Rh102.jeff3.3 Threshold 124.98 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
45-Rh-102

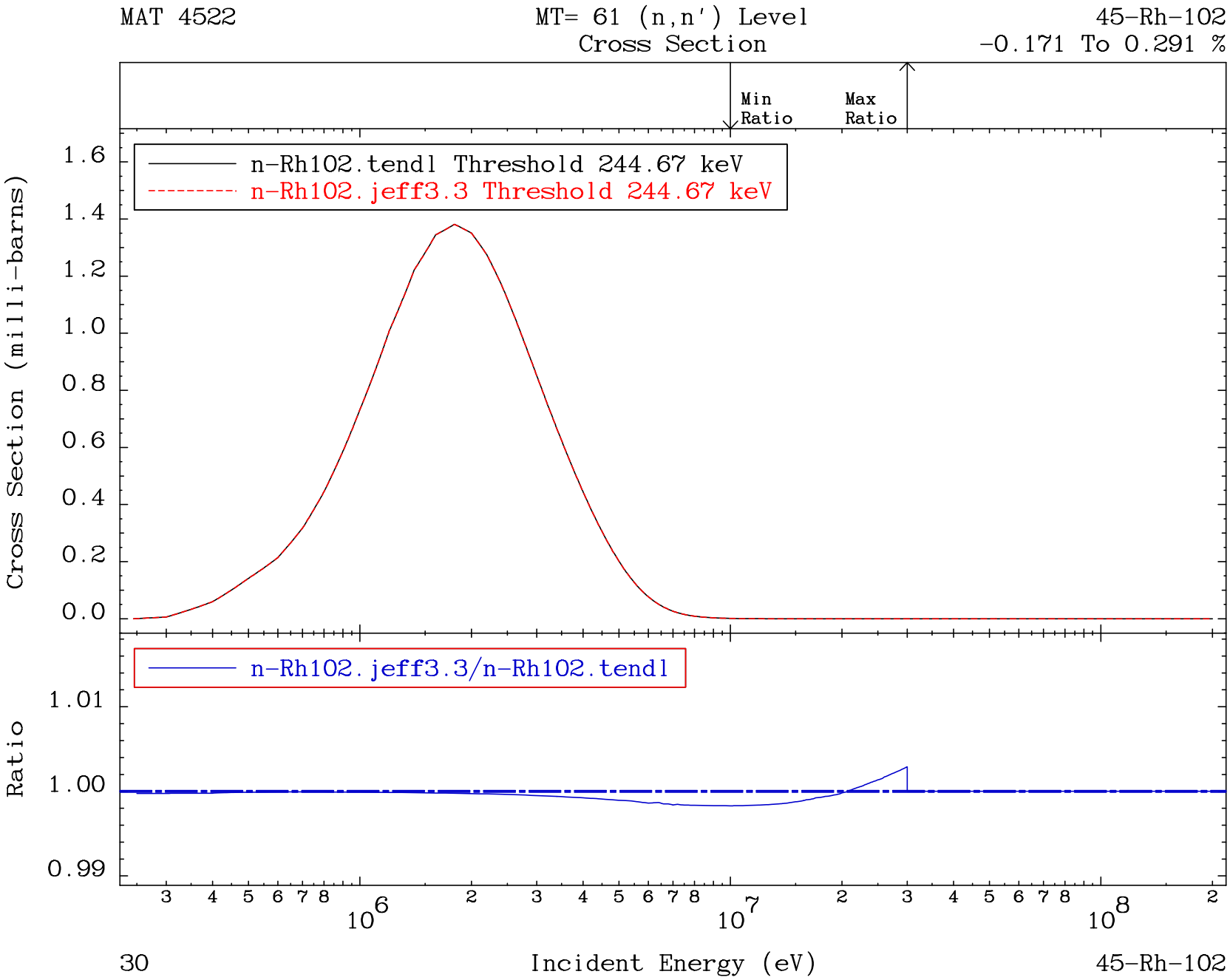

MAT 4522
MT= 55 (n,n') Level
Cross Section
45-Rh-102
-0.054 To 0.000 %
Min
Ratio
Max
Ratio
n-Rh102.tendl Threshold 142.12 keV
n-Rh102.jeff3.3 Threshold 142.12 keV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
0.99
1.00
1.01
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
45-Rh-102

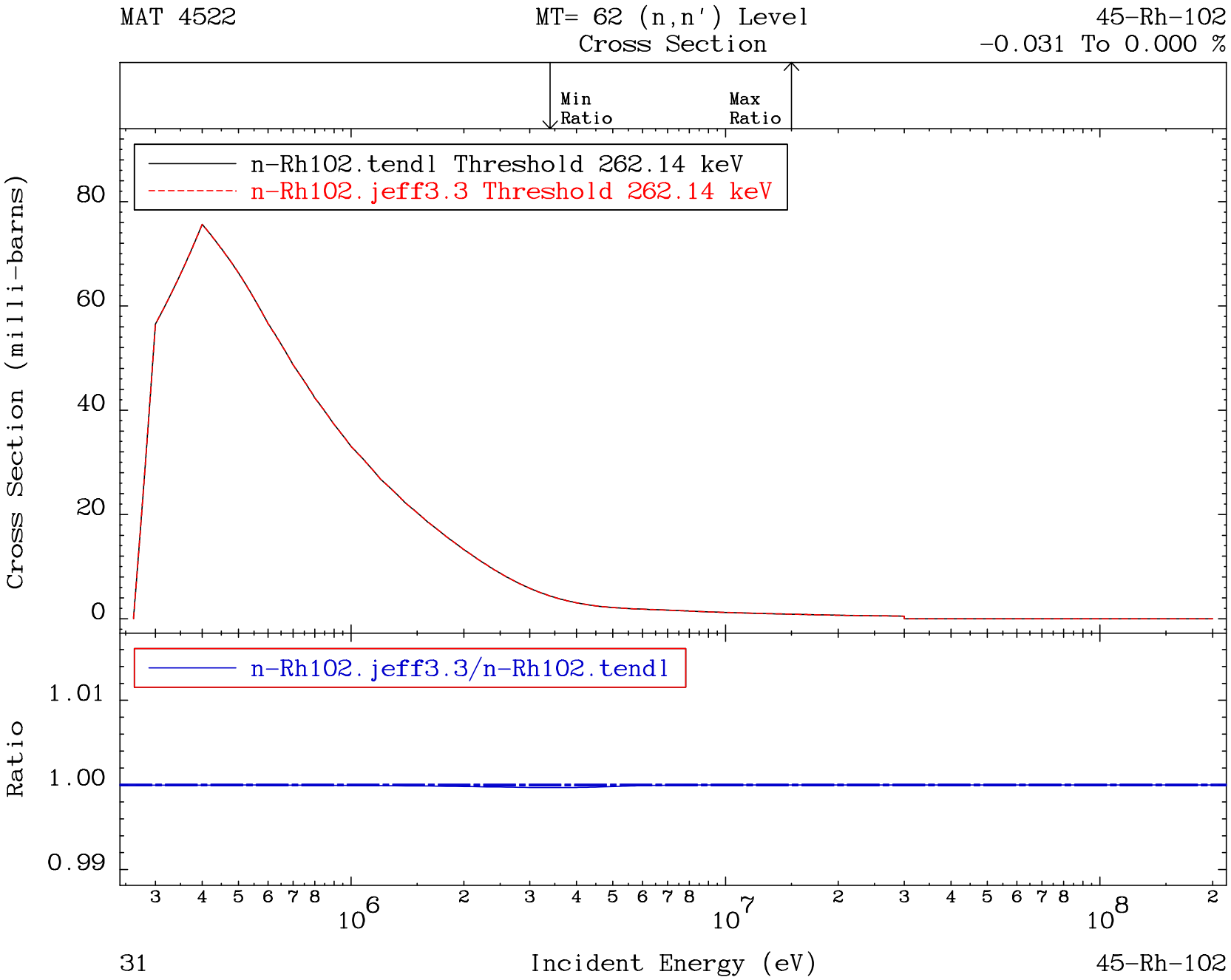

MAT 4522
MT= 56 (n,n') Level
Cross Section
45-Rh-102
-0.170 To 0.291 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 155.99 keV
n-Rh102.jeff3.3 Threshold 155.99 keV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
45-Rh-102

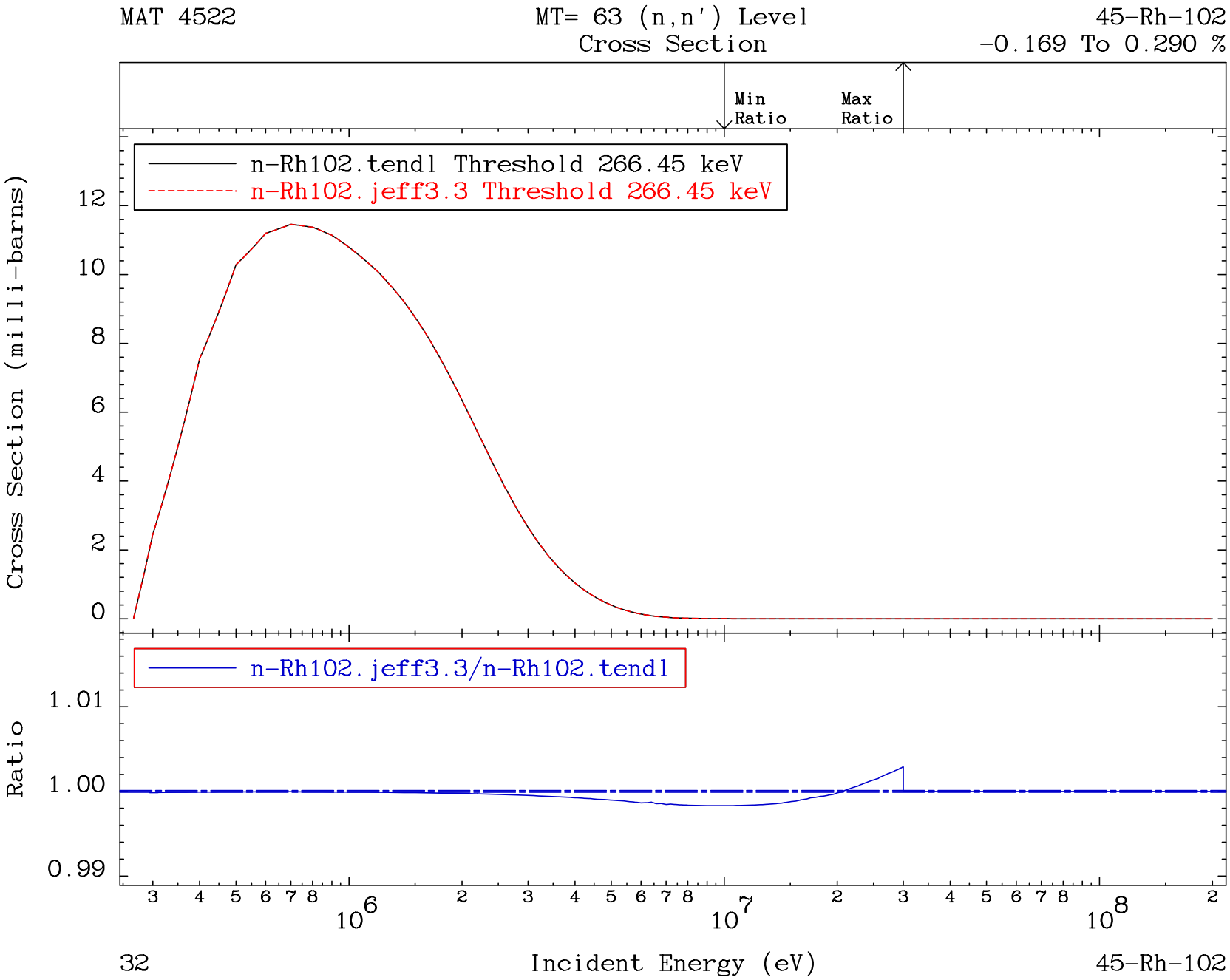

MAT 4522
MT= 57 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 158.04 keV
n-Rh102.jeff3.3 Threshold 158.04 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
45-Rh-102

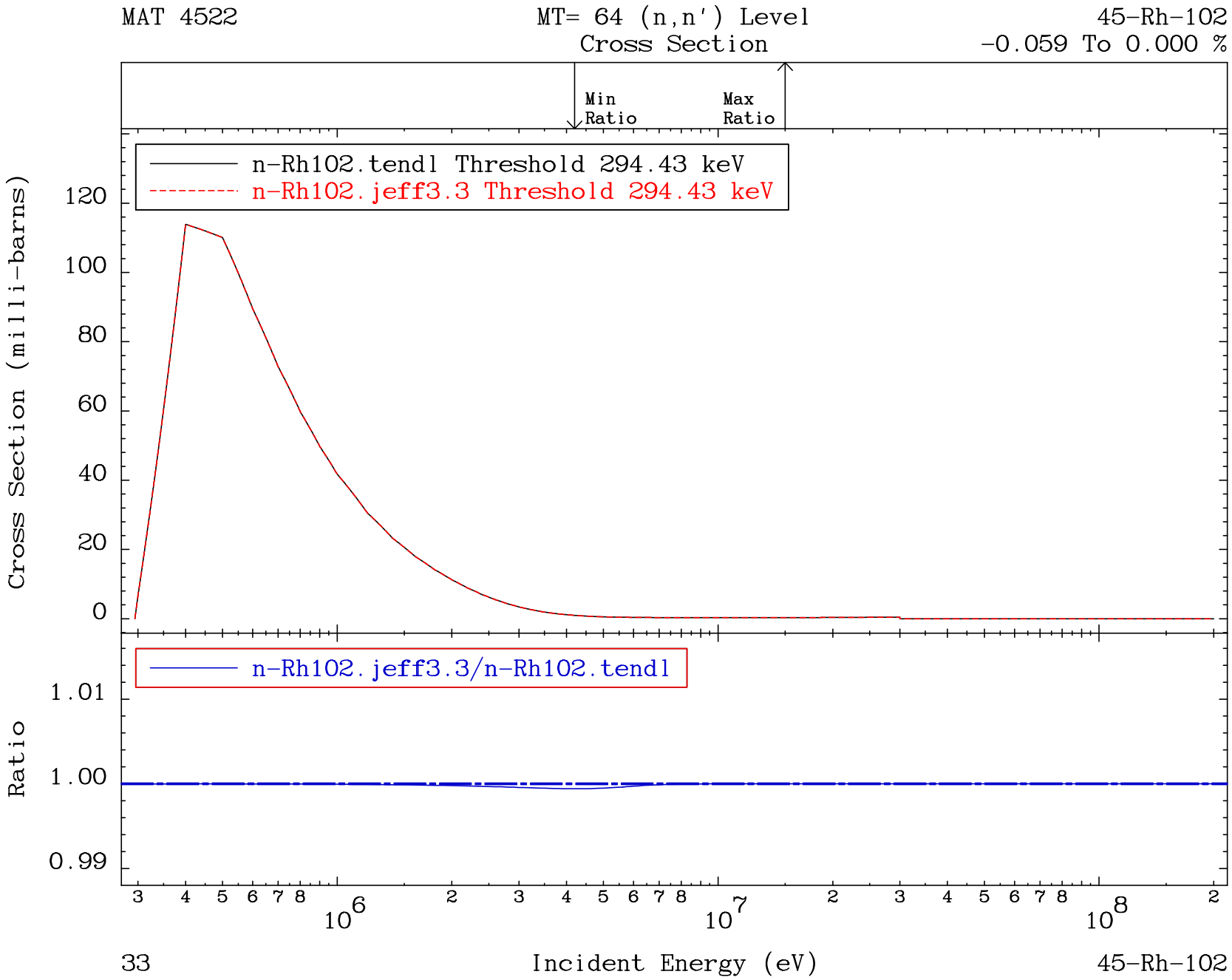

MAT 4522
MT= 58 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 180.45 keV
n-Rh102.jeff3.3 Threshold 180.45 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
45-Rh-102

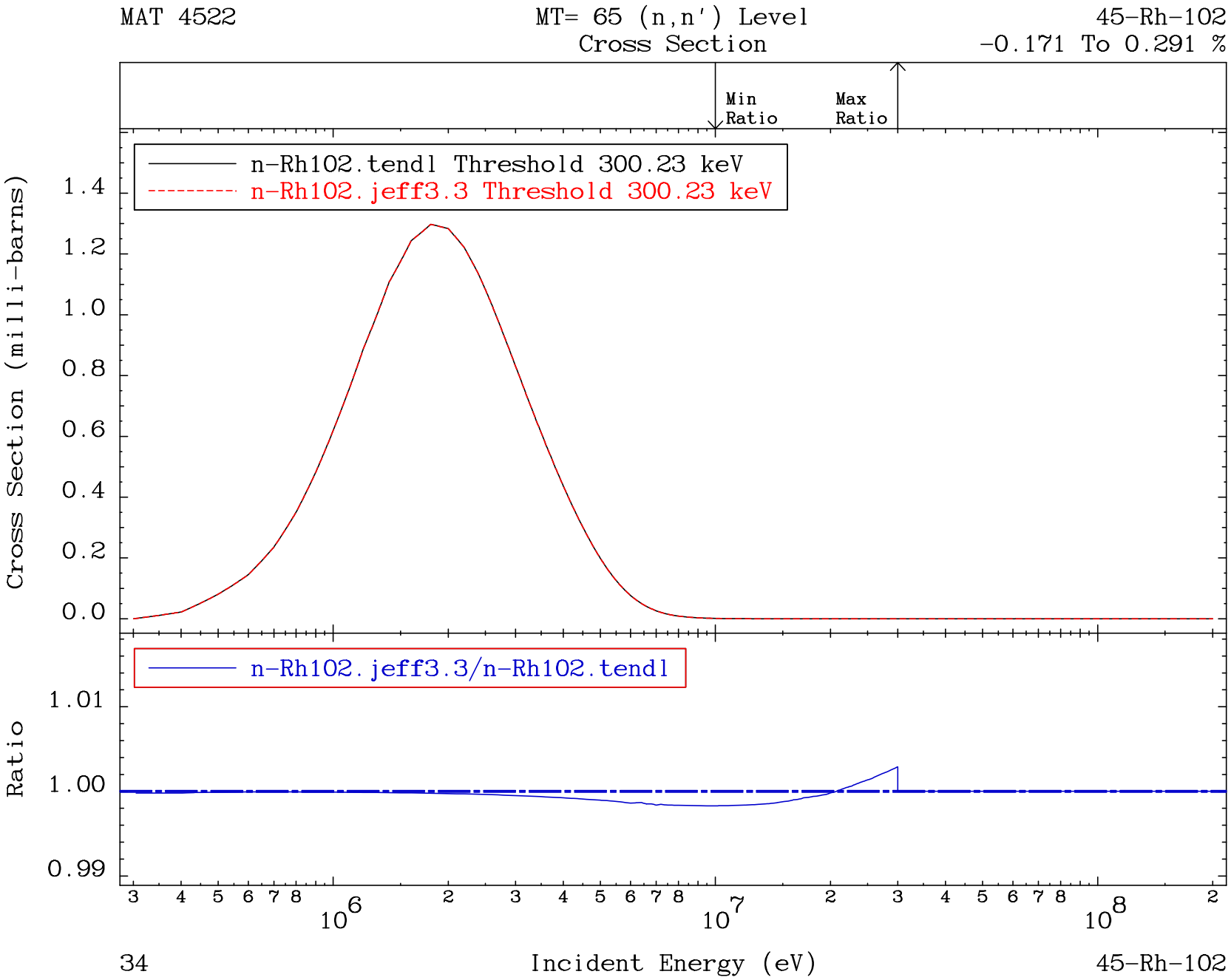

MAT 4522
MT= 60 (n,n') Level
Cross Section
45-Rh-102
-0.058 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 210.81 keV
n-Rh102.jeff3.3 Threshold 210.81 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
45-Rh-102

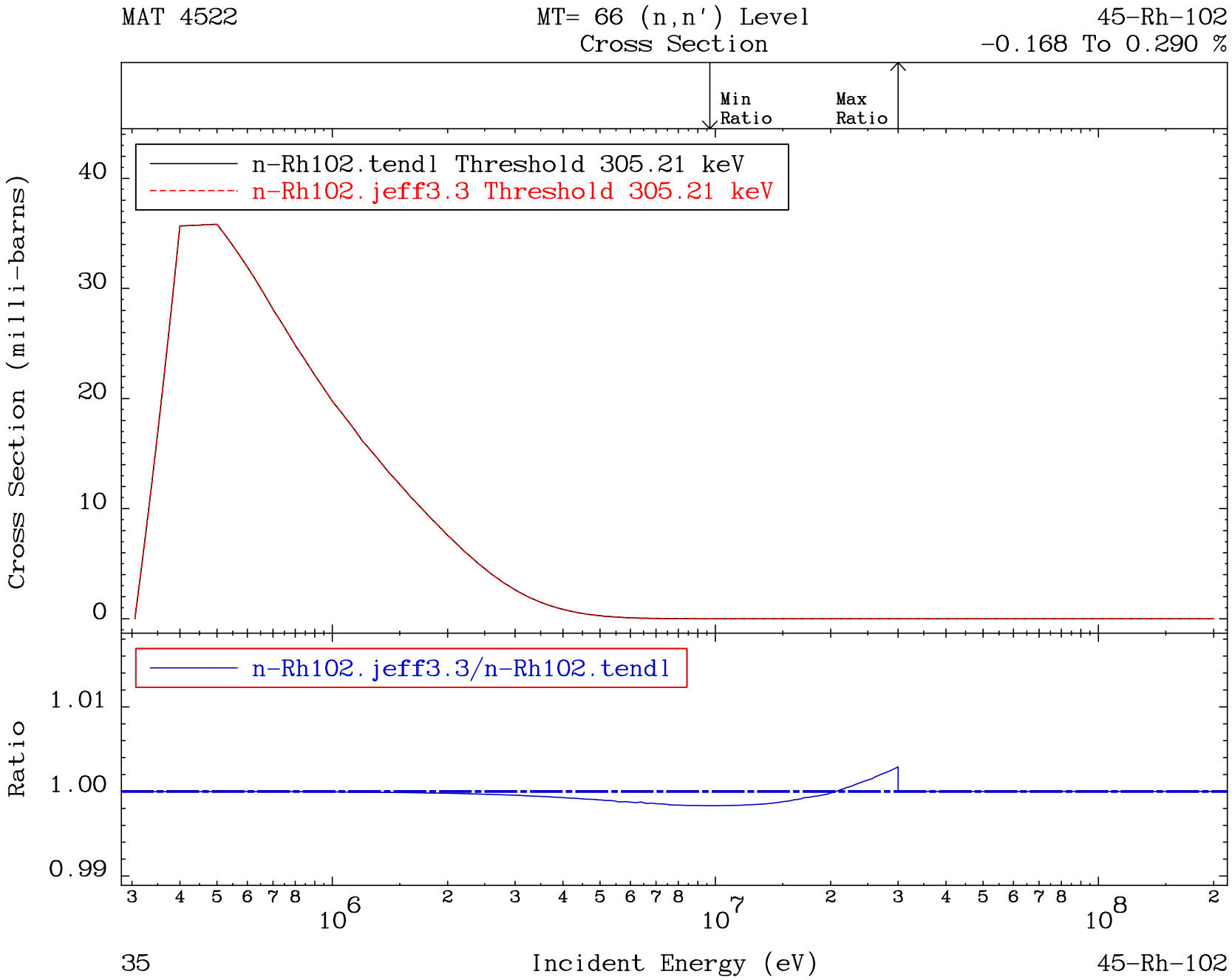

MAT 4522
MT= 61 (n,n') Level
Cross Section
45-Rh-102
-0.171 To 0.291 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 244.67 keV
n-Rh102.jeff3.3 Threshold 244.67 keV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
45-Rh-102

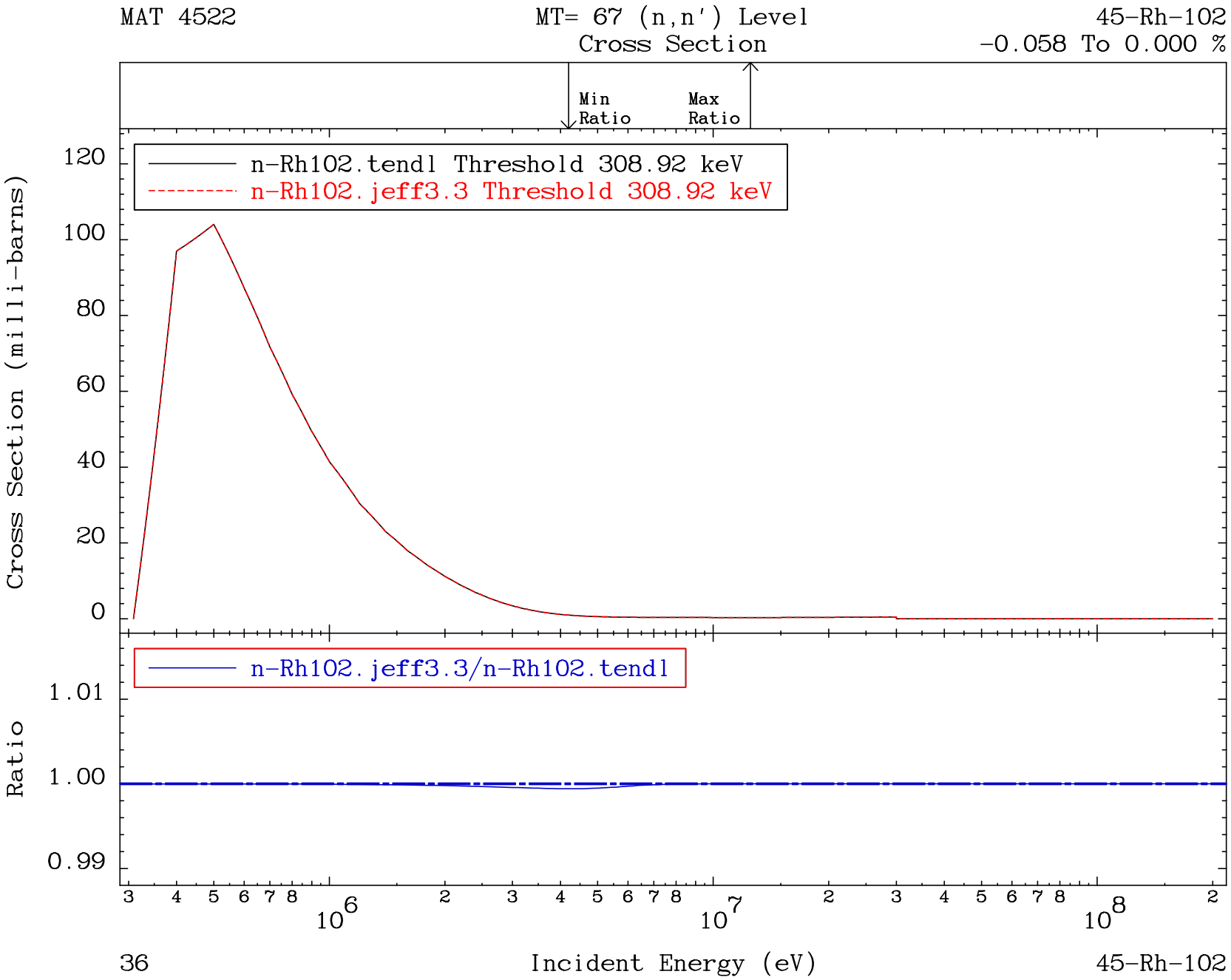

MAT 4522
MT= 62 (n,n') Level
Cross Section
45-Rh-102
-0.031 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 262.14 keV
n-Rh102.jeff3.3 Threshold 262.14 keV
Cross Section (milli-barns)
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
45-Rh-102

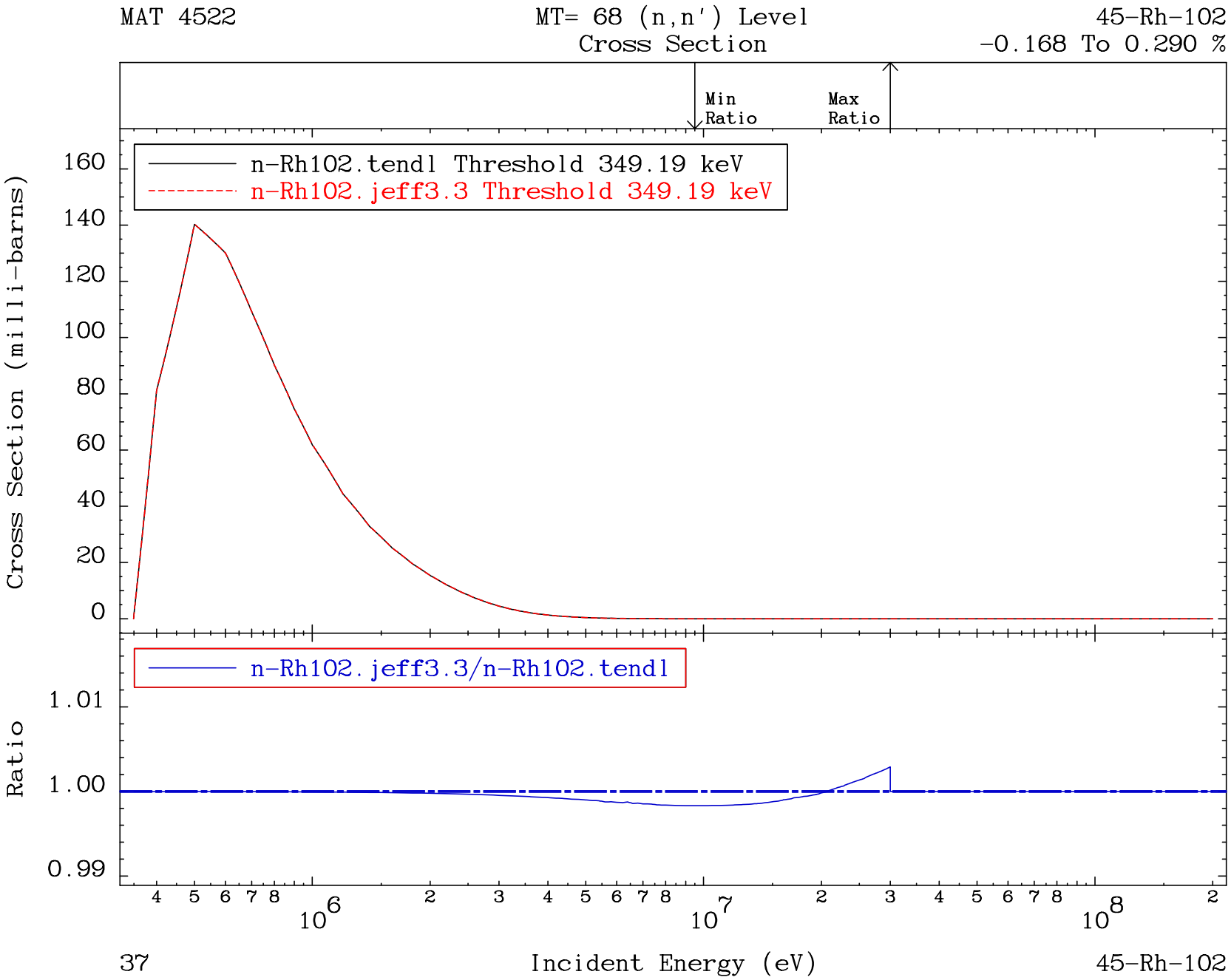

MAT 4522
MT= 63 (n,n') Level
Cross Section
45-Rh-102
-0.169 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 266.45 keV
n-Rh102.jeff3.3 Threshold 266.45 keV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
45-Rh-102

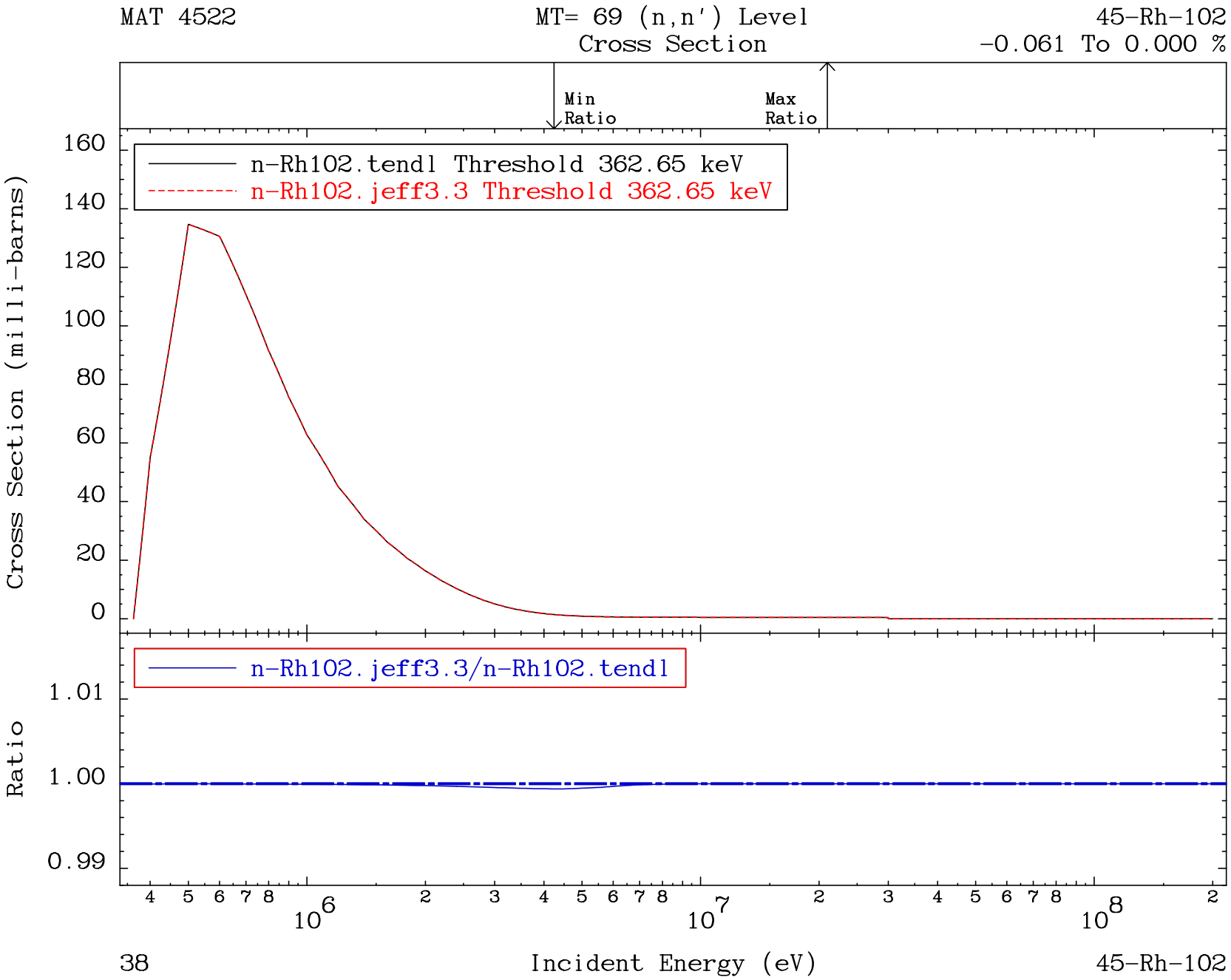

MAT 4522
MT= 64 (n,n') Level
Cross Section
45-Rh-102
-0.059 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 294.43 keV
n-Rh102.jeff3.3 Threshold 294.43 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
45-Rh-102

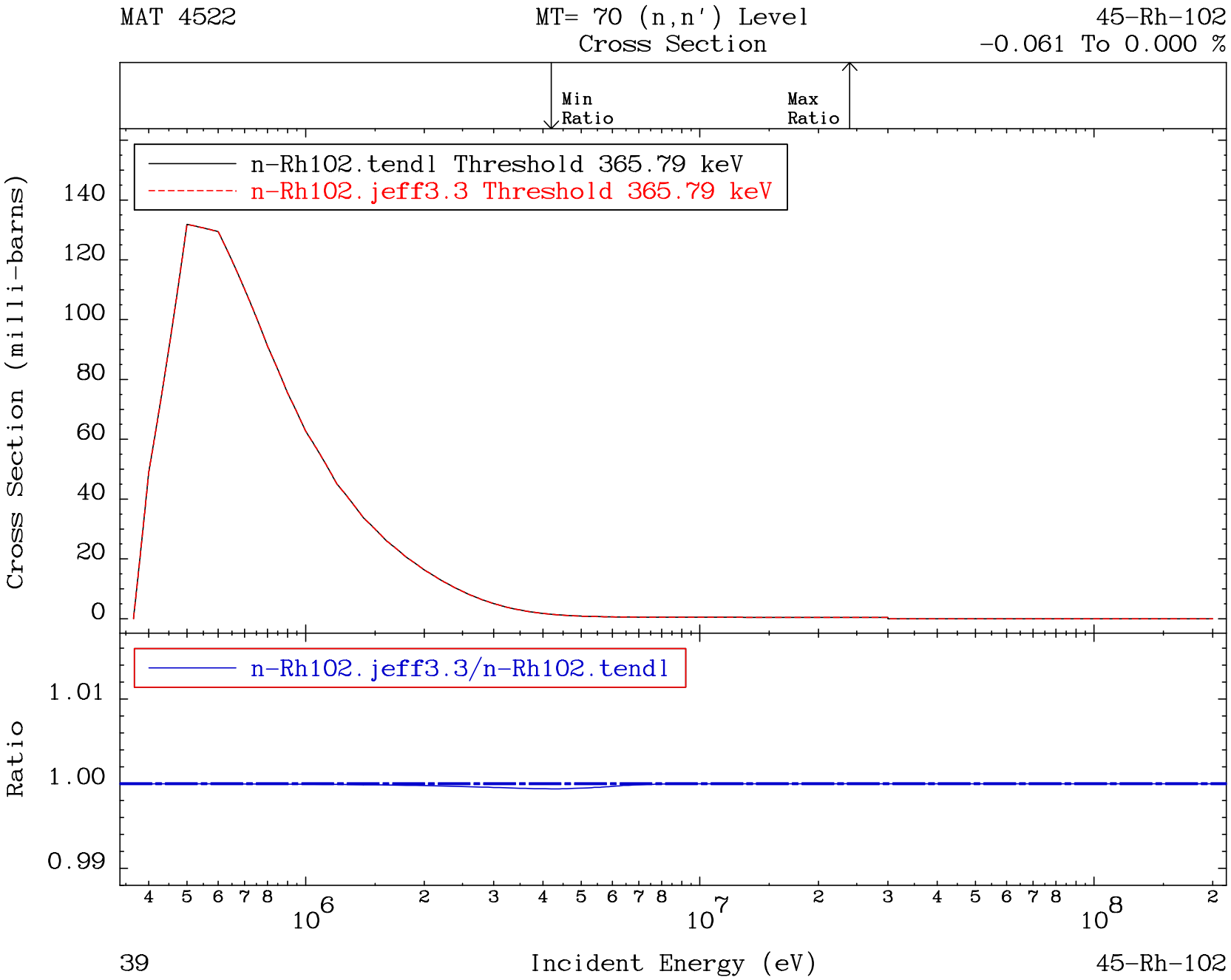

MAT 4522
MT= 65 (n,n') Level
Cross Section
45-Rh-102
-0.171 To 0.291 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 300.23 keV
n-Rh102.jeff3.3 Threshold 300.23 keV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
45-Rh-102

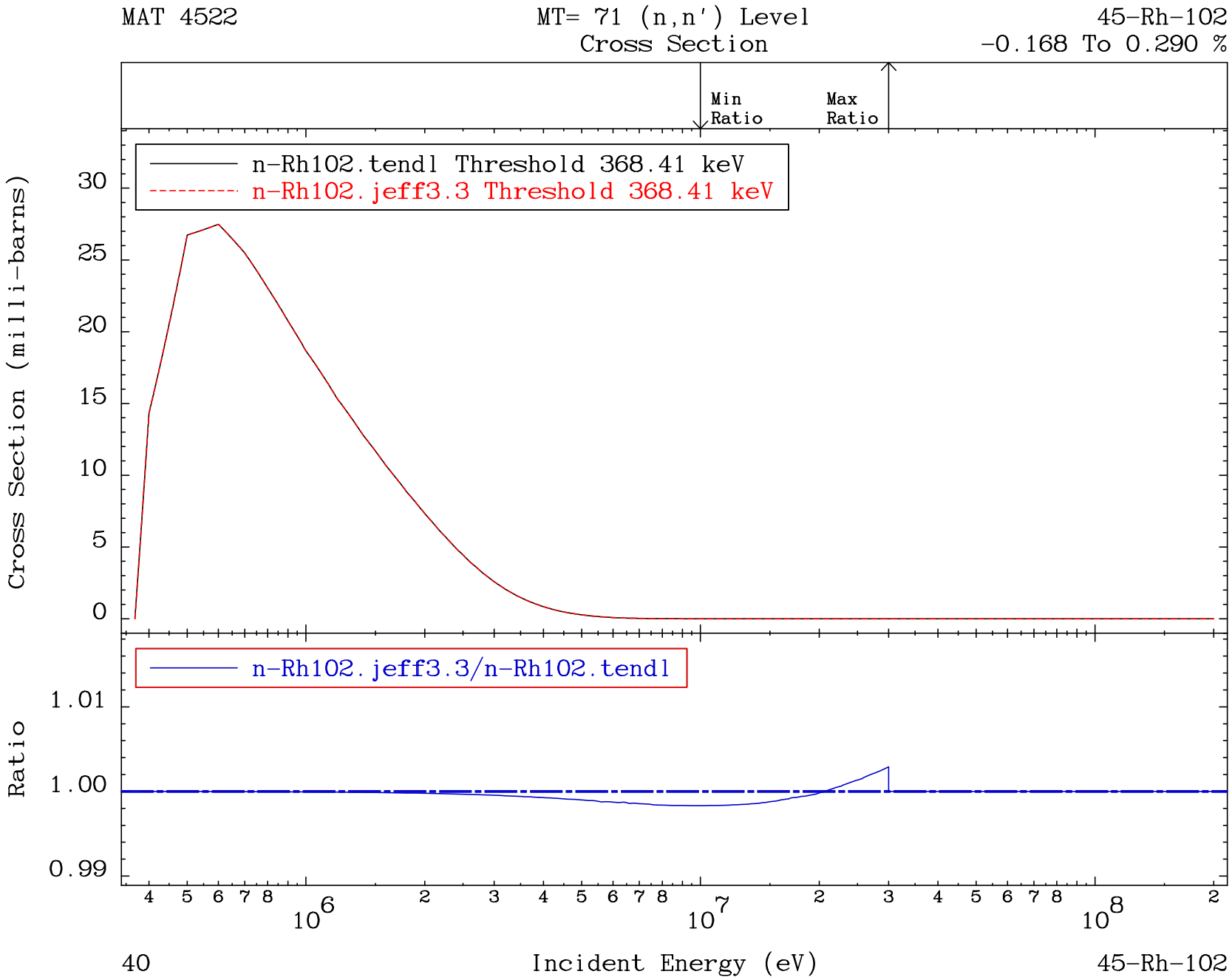

MAT 4522
MT= 66 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 305.21 keV
n-Rh102.jeff3.3 Threshold 305.21 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
45-Rh-102

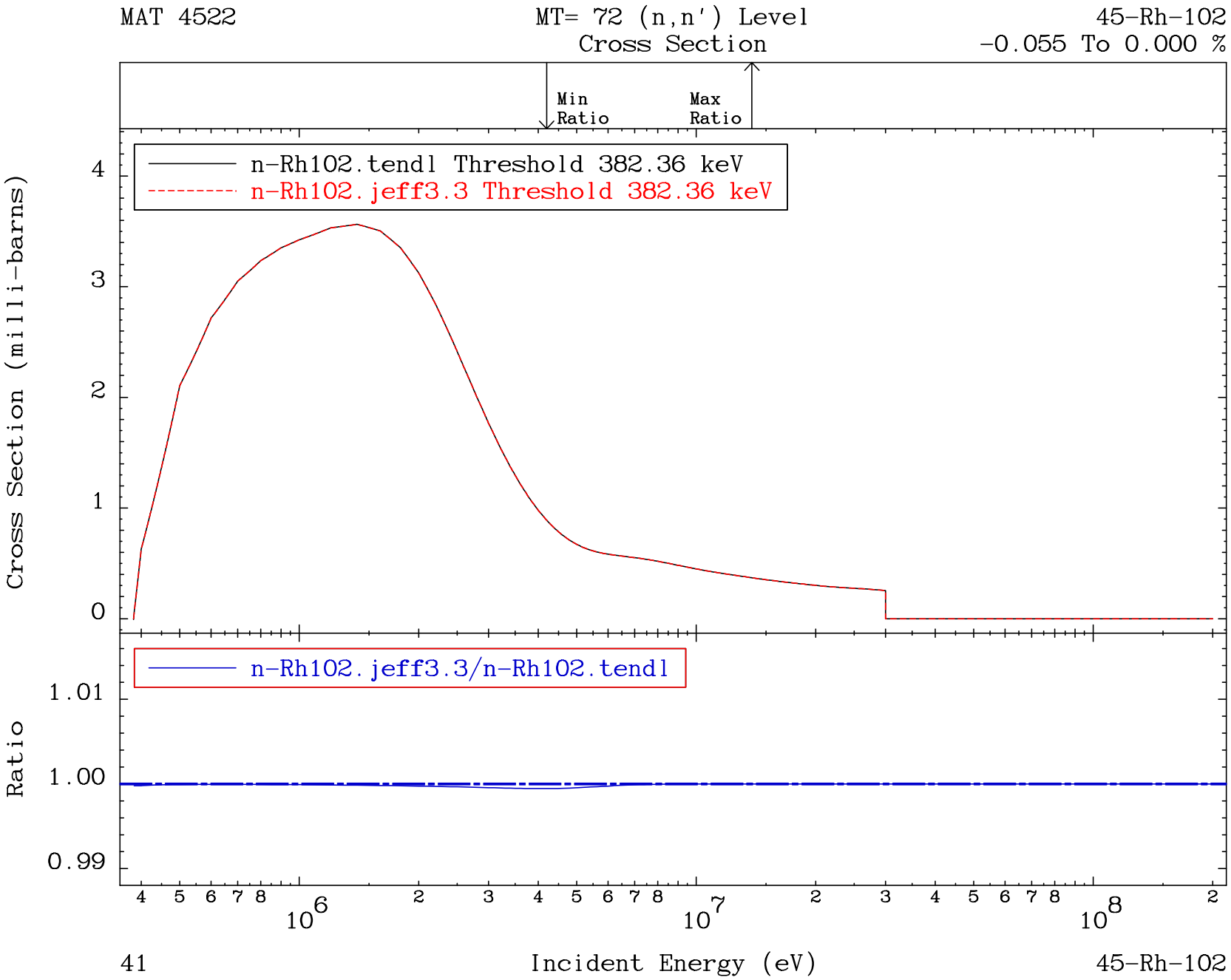

MAT 4522
MT= 67 (n,n') Level
Cross Section
45-Rh-102
-0.058 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 308.92 keV
n-Rh102.jeff3.3 Threshold 308.92 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
45-Rh-102

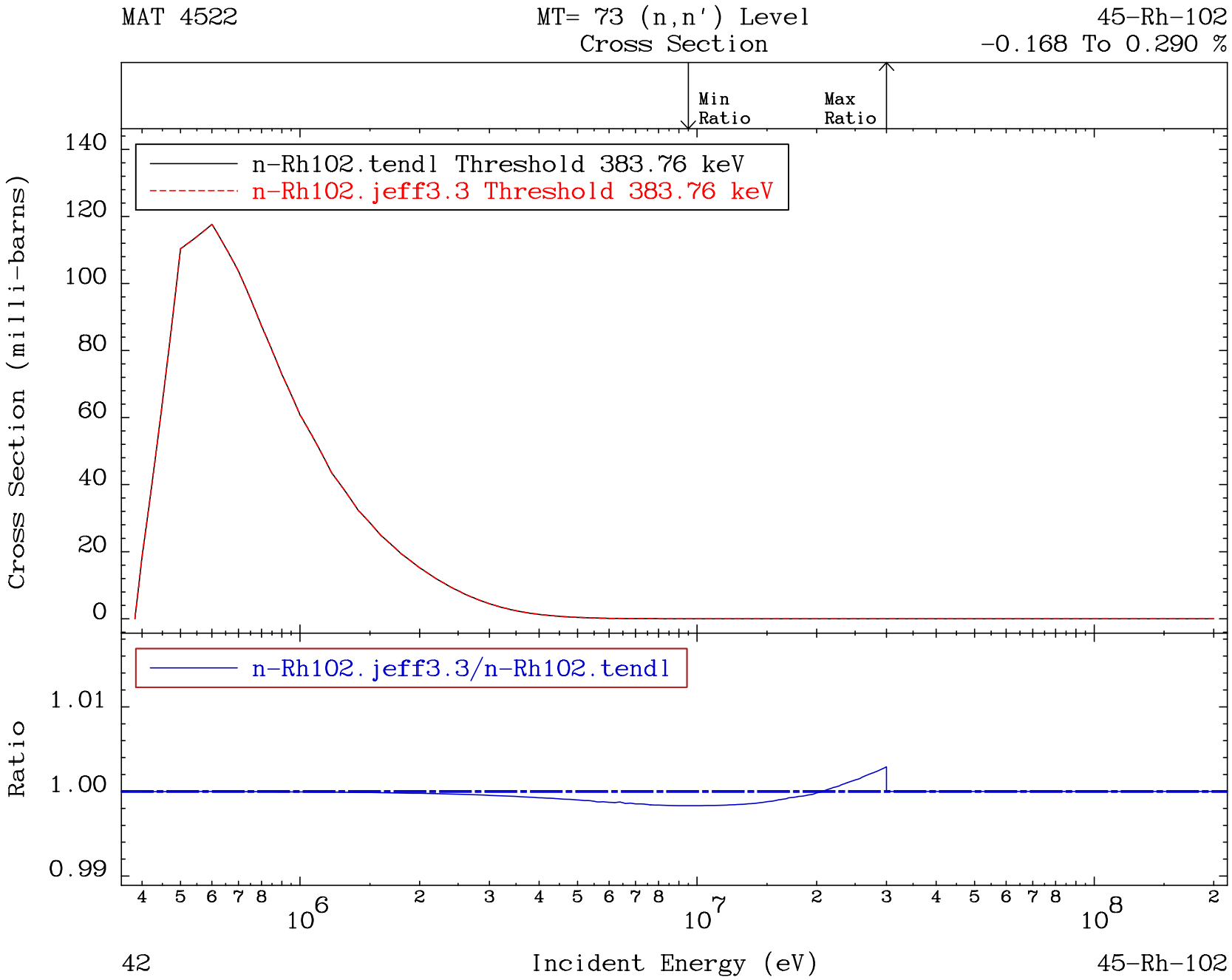

MAT 4522
MT= 68 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 349.19 keV
n-Rh102.jeff3.3 Threshold 349.19 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
45-Rh-102

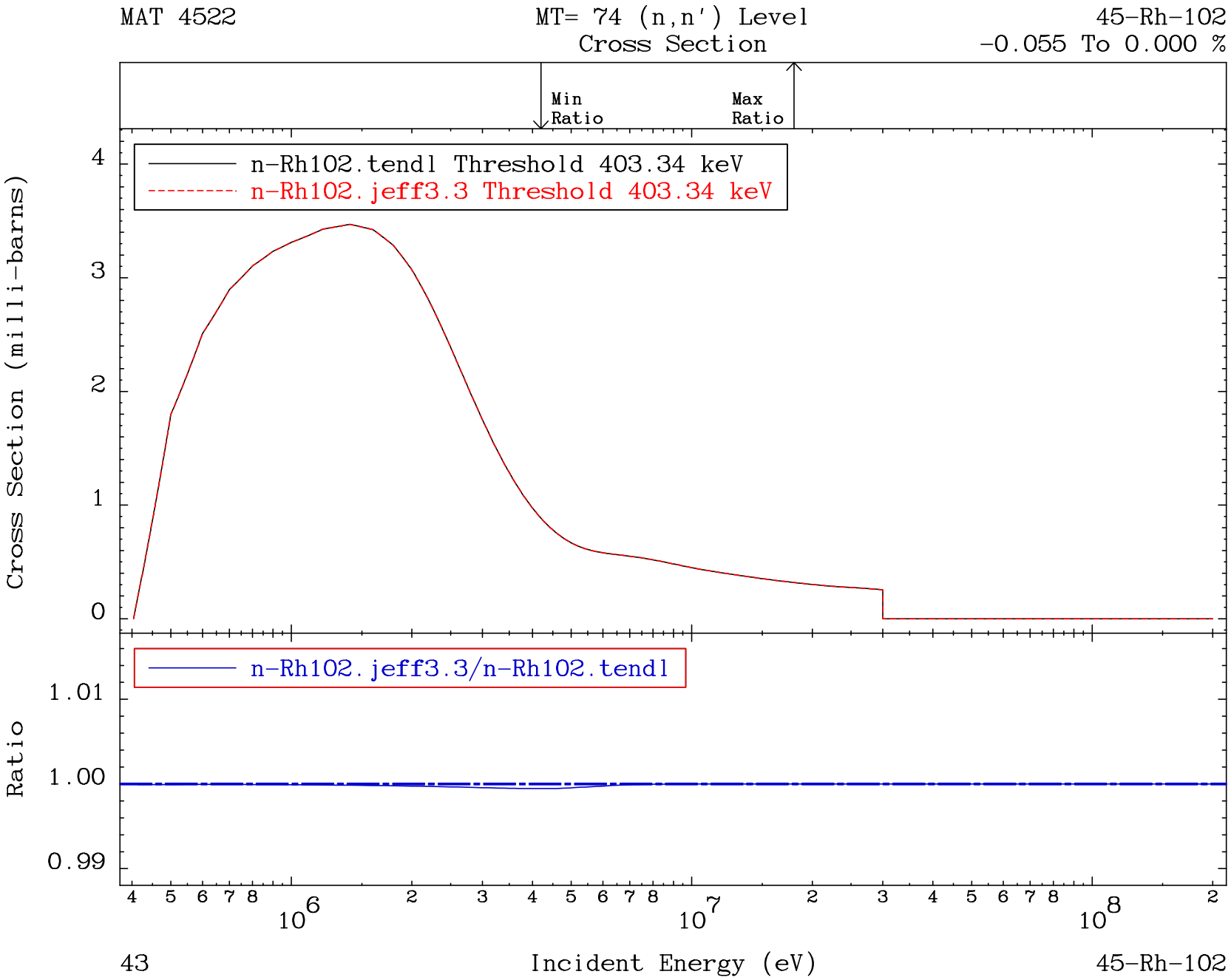

MAT 4522
MT= 69 (n,n') Level
Cross Section
45-Rh-102
-0.061 To 0.000 %
Min
Ratio
Max
Ratio
n-Rh102.tendl Threshold 362.65 keV
n-Rh102.jeff3.3 Threshold 362.65 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
45-Rh-102

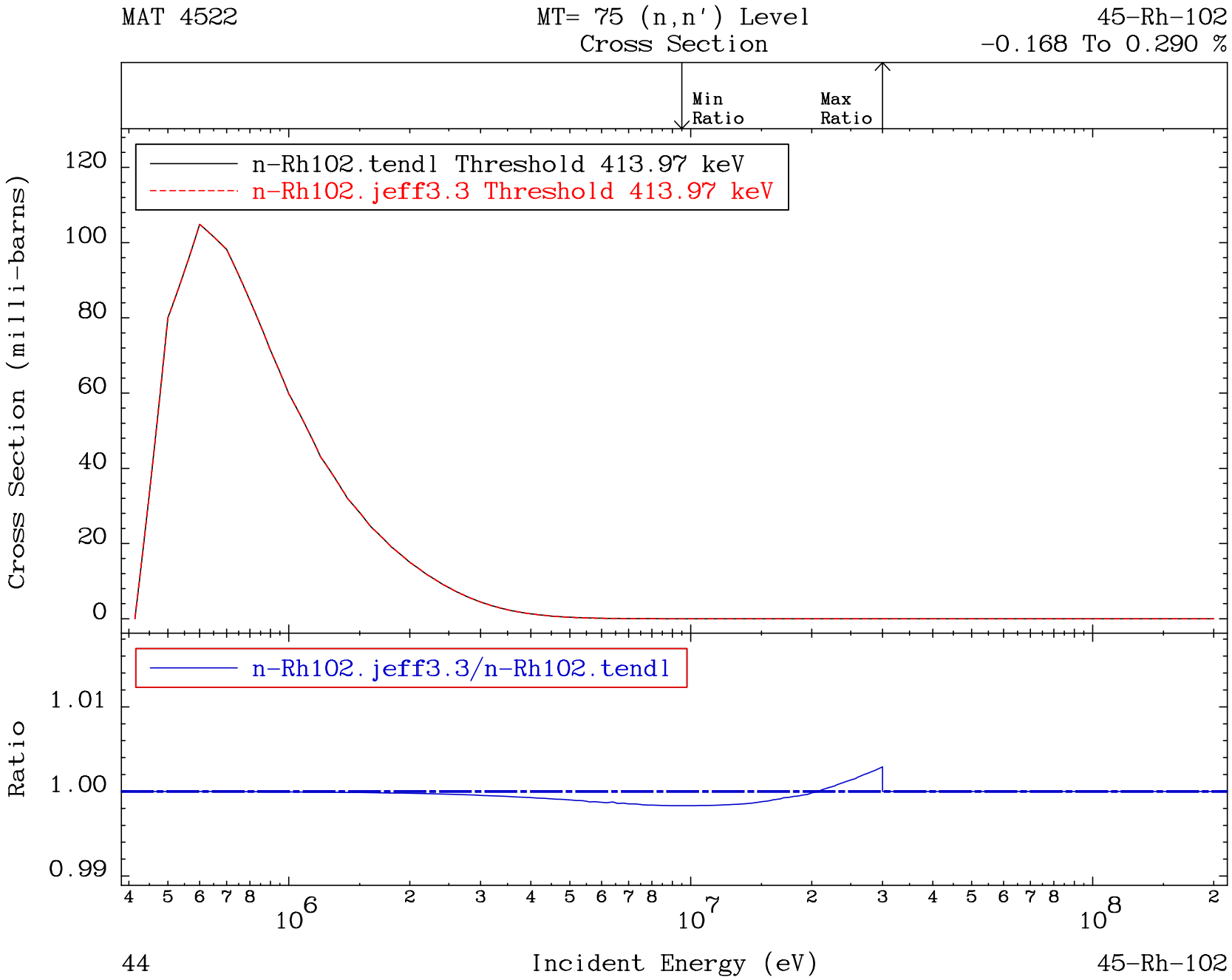

MAT 4522
MT= 70 (n,n') Level
Cross Section
45-Rh-102
-0.061 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 365.79 keV
n-Rh102.jeff3.3 Threshold 365.79 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
45-Rh-102

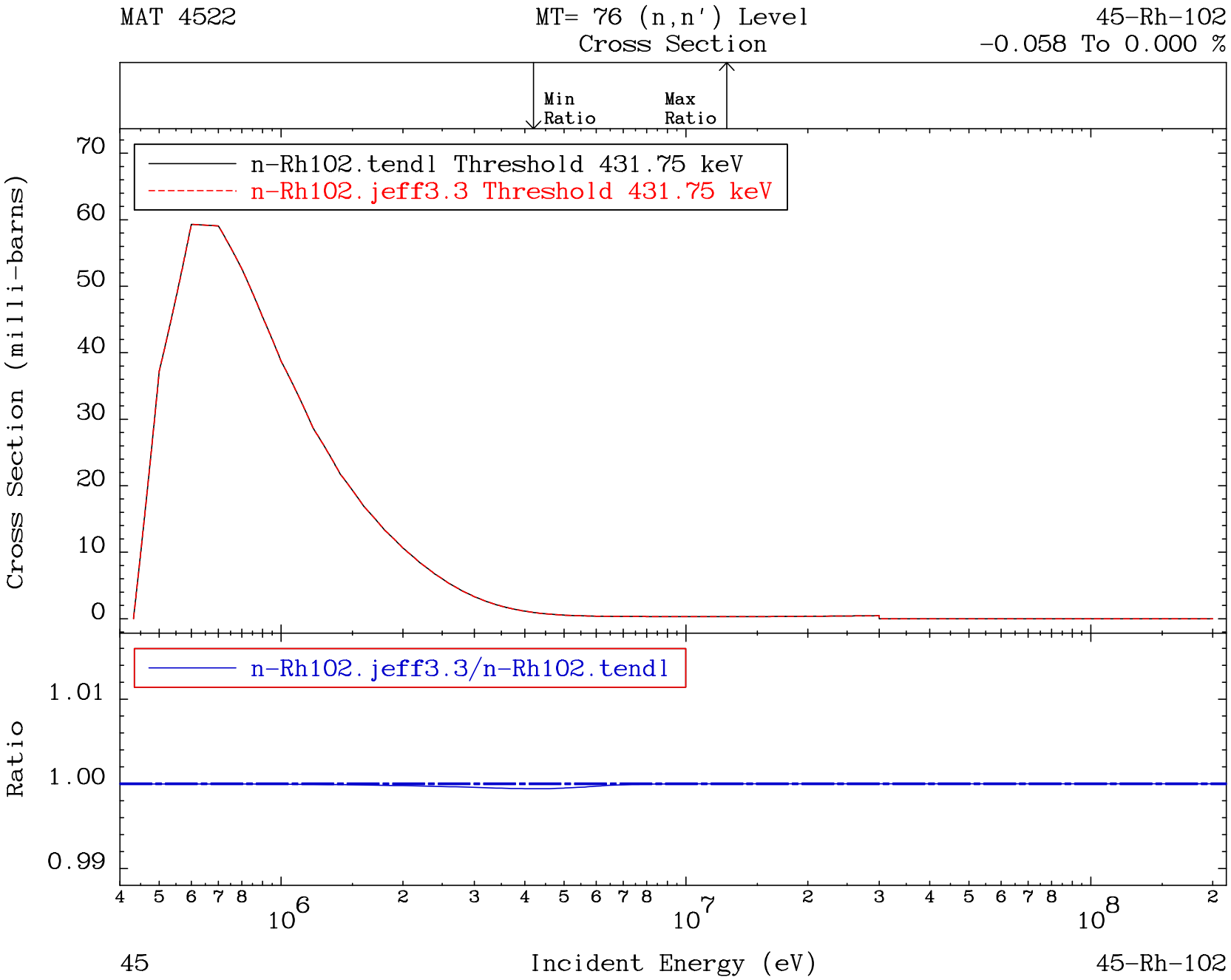

MAT 4522
MT= 71 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 368.41 keV
n-Rh102.jeff3.3 Threshold 368.41 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
45-Rh-102

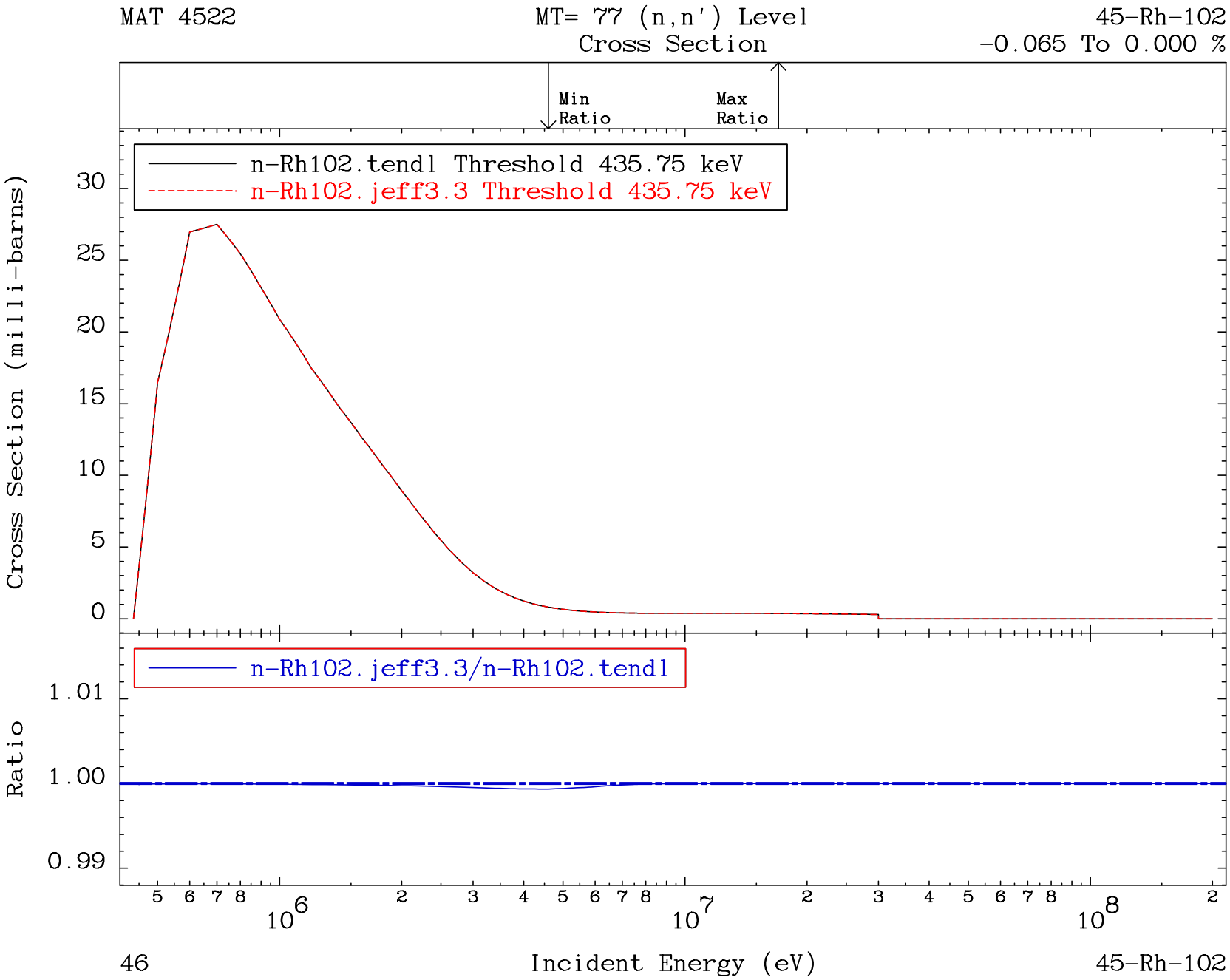

MAT 4522
MT= 72 (n,n') Level
Cross Section
45-Rh-102
-0.055 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 382.36 keV
n-Rh102.jeff3.3 Threshold 382.36 keV
Cross Section (milli-barns)
0
1
2
3
4
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
0.99
1.00
1.01
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
45-Rh-102

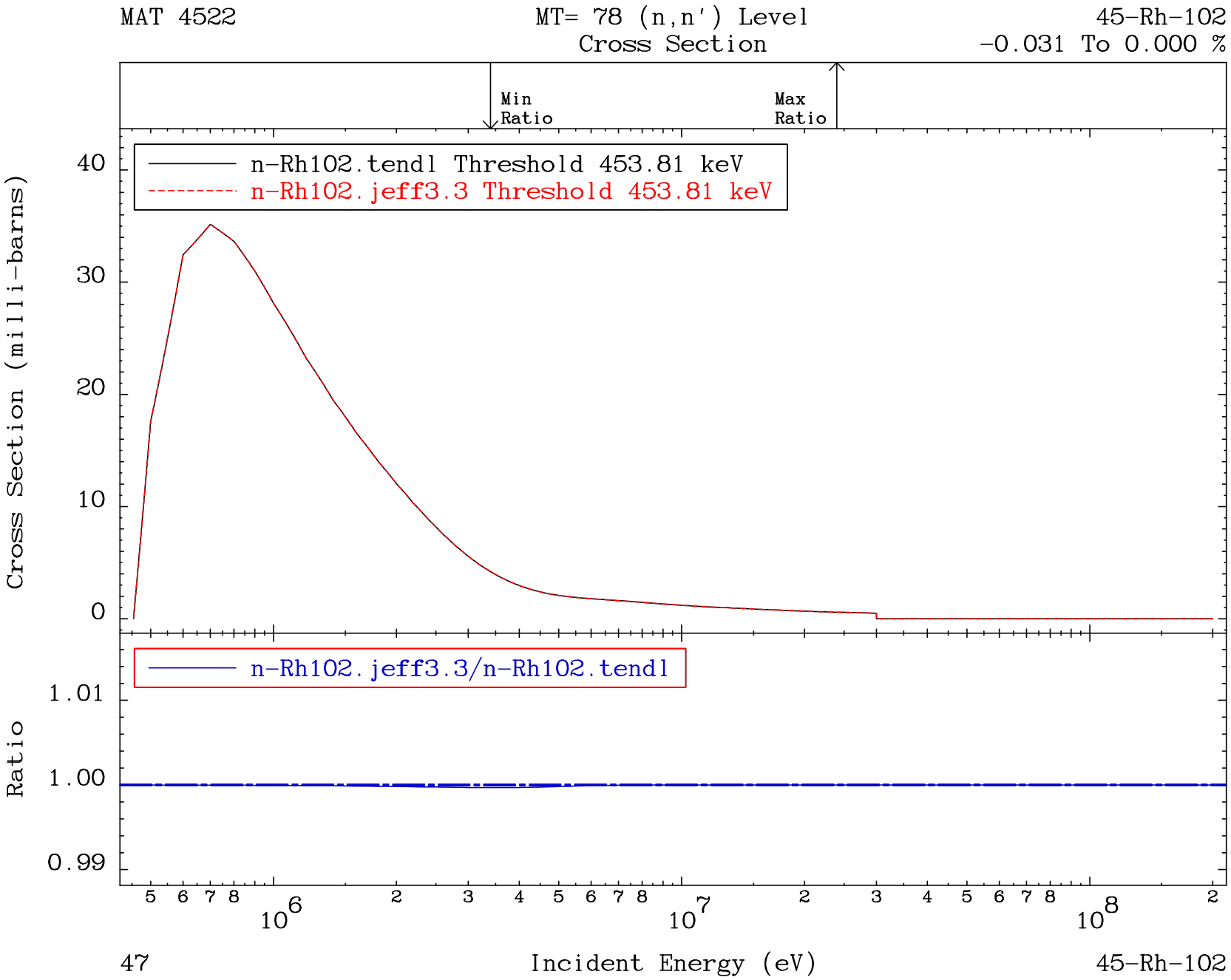

MAT 4522
MT= 73 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 383.76 keV
n-Rh102.jeff3.3 Threshold 383.76 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
45-Rh-102

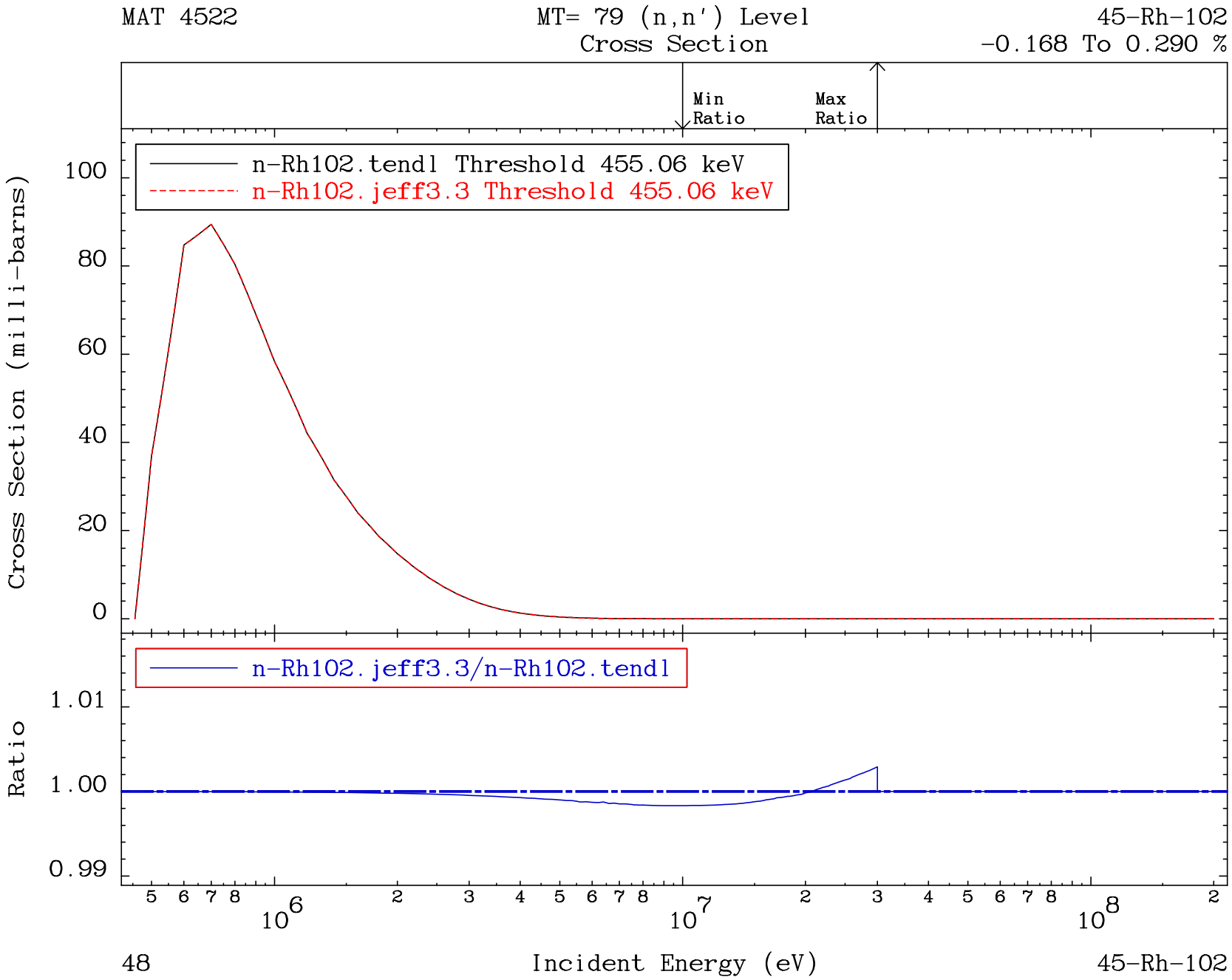

MAT 4522
MT= 74 (n,n') Level
Cross Section
45-Rh-102
-0.055 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 403.34 keV
n-Rh102.jeff3.3 Threshold 403.34 keV
Cross Section (milli-barns)
0
1
2
3
4
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
0.99
1.00
1.01
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
45-Rh-102

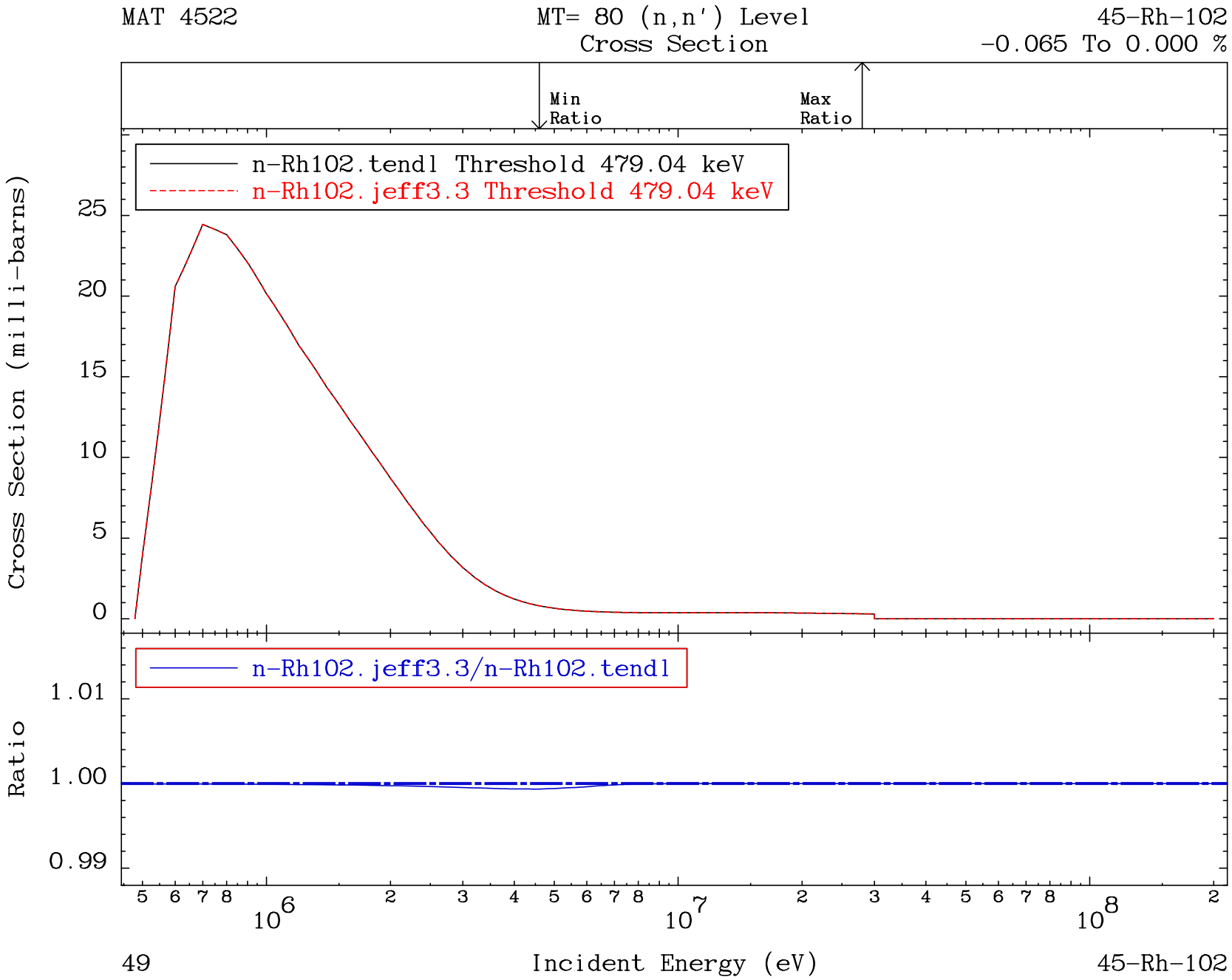

MAT 4522
MT= 75 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 413.97 keV
n-Rh102.jeff3.3 Threshold 413.97 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
45-Rh-102

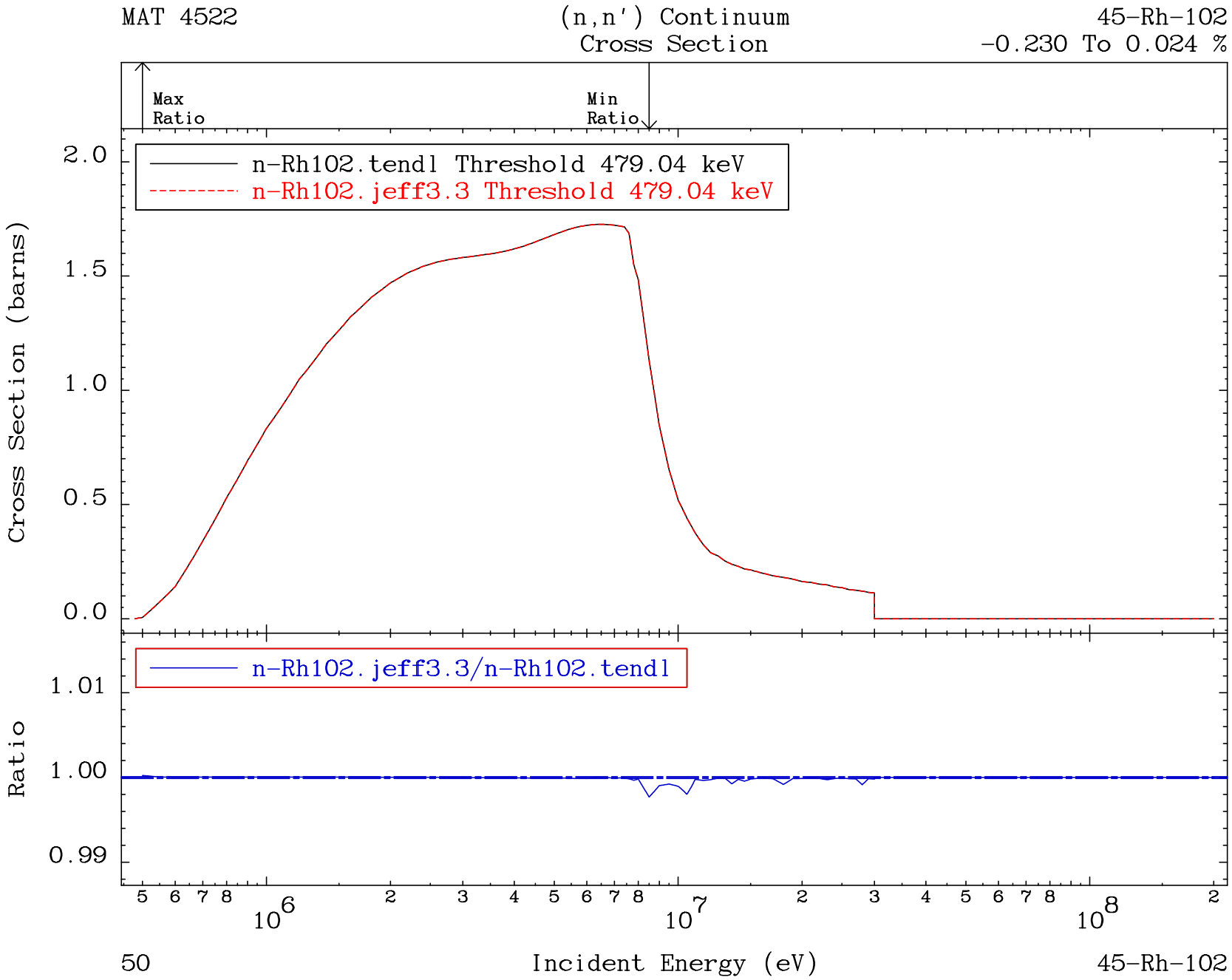

MAT 4522
MT= 76 (n,n') Level
Cross Section
45-Rh-102
-0.058 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 431.75 keV
n-Rh102.jeff3.3 Threshold 431.75 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
45-Rh-102

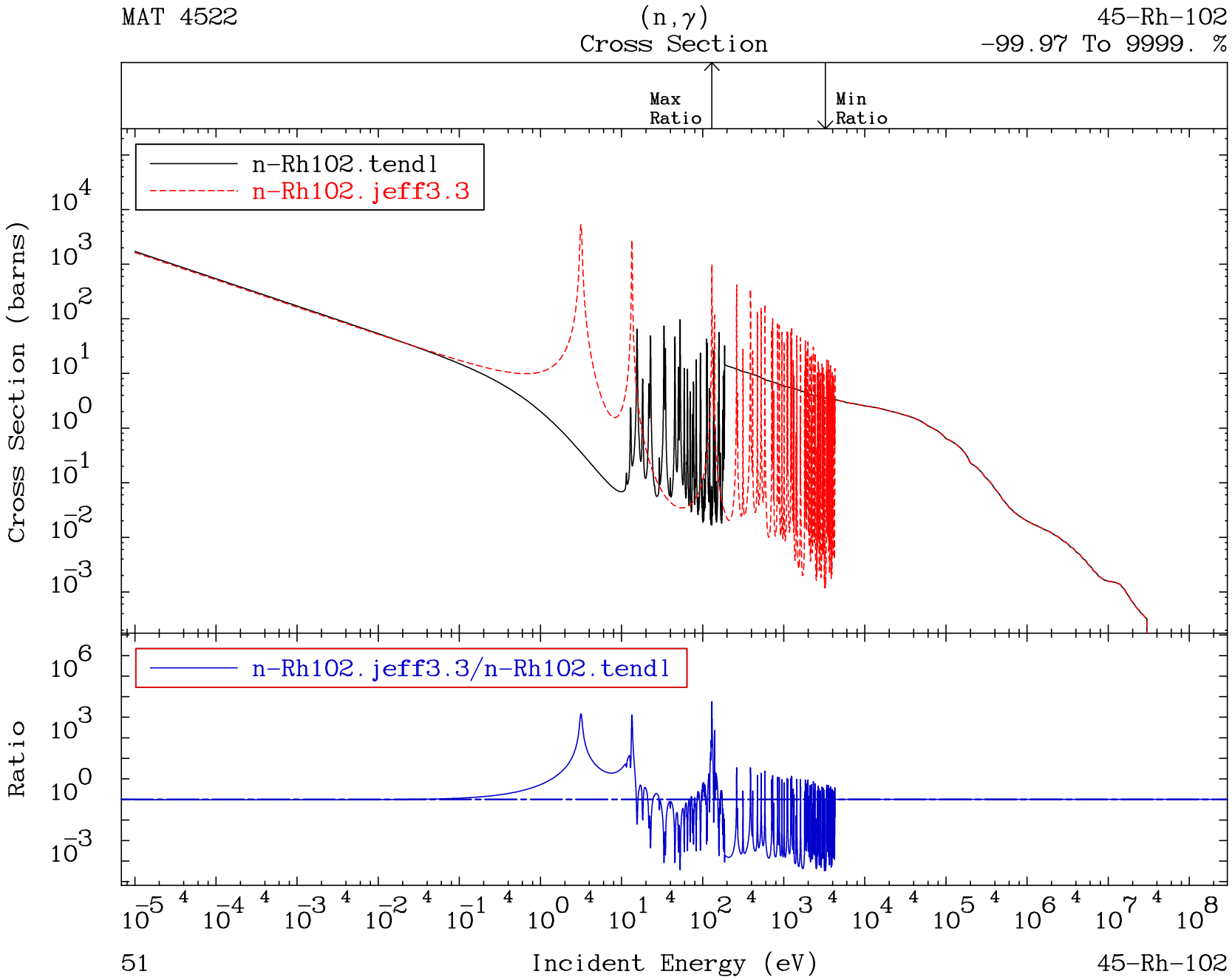

MAT 4522
MT= 77 (n,n') Level
Cross Section
45-Rh-102
-0.065 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 435.75 keV
n-Rh102.jeff3.3 Threshold 435.75 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
45-Rh-102

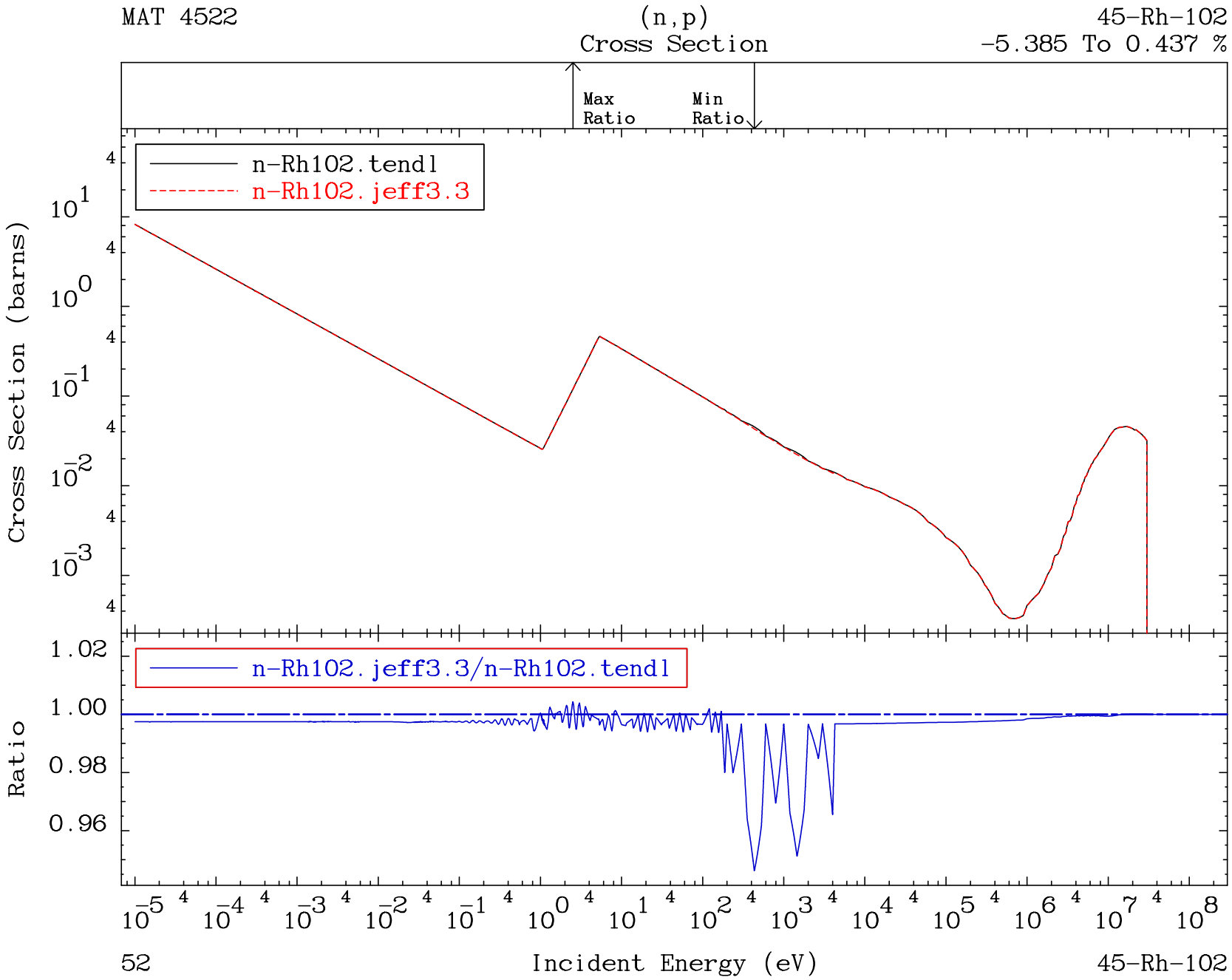

MAT 4522
MT= 78 (n,n') Level
Cross Section
45-Rh-102
-0.031 To 0.000 %
Min
Ratio
Max
Ratio
n-Rh102.tendl Threshold 453.81 keV
n-Rh102.jeff3.3 Threshold 453.81 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
45-Rh-102

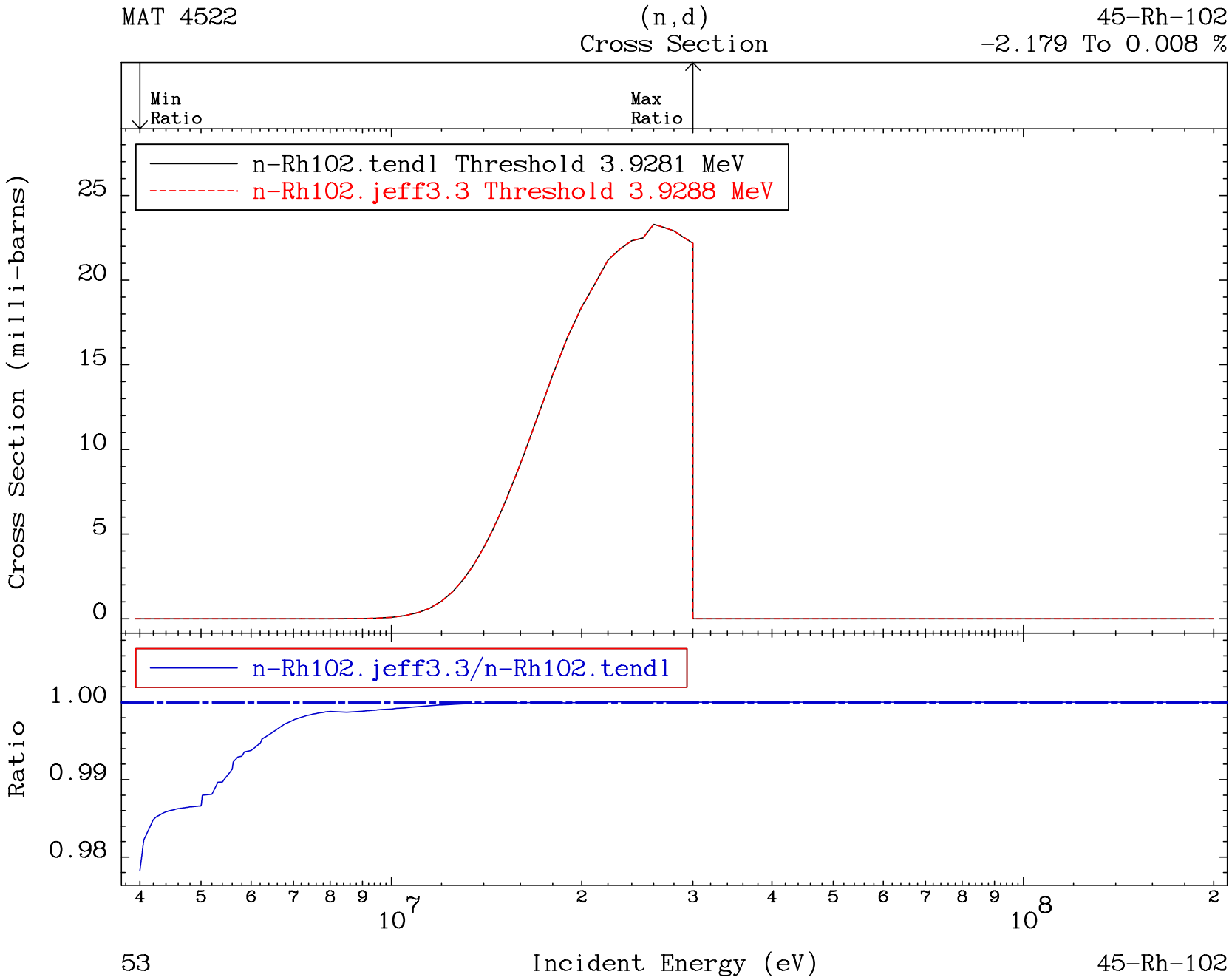

MAT 4522
MT= 79 (n,n') Level
Cross Section
45-Rh-102
-0.168 To 0.290 %
Min
Ratio
Max
Ratio
n-Rh102.tendl Threshold 455.06 keV
n-Rh102.jeff3.3 Threshold 455.06 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
45-Rh-102

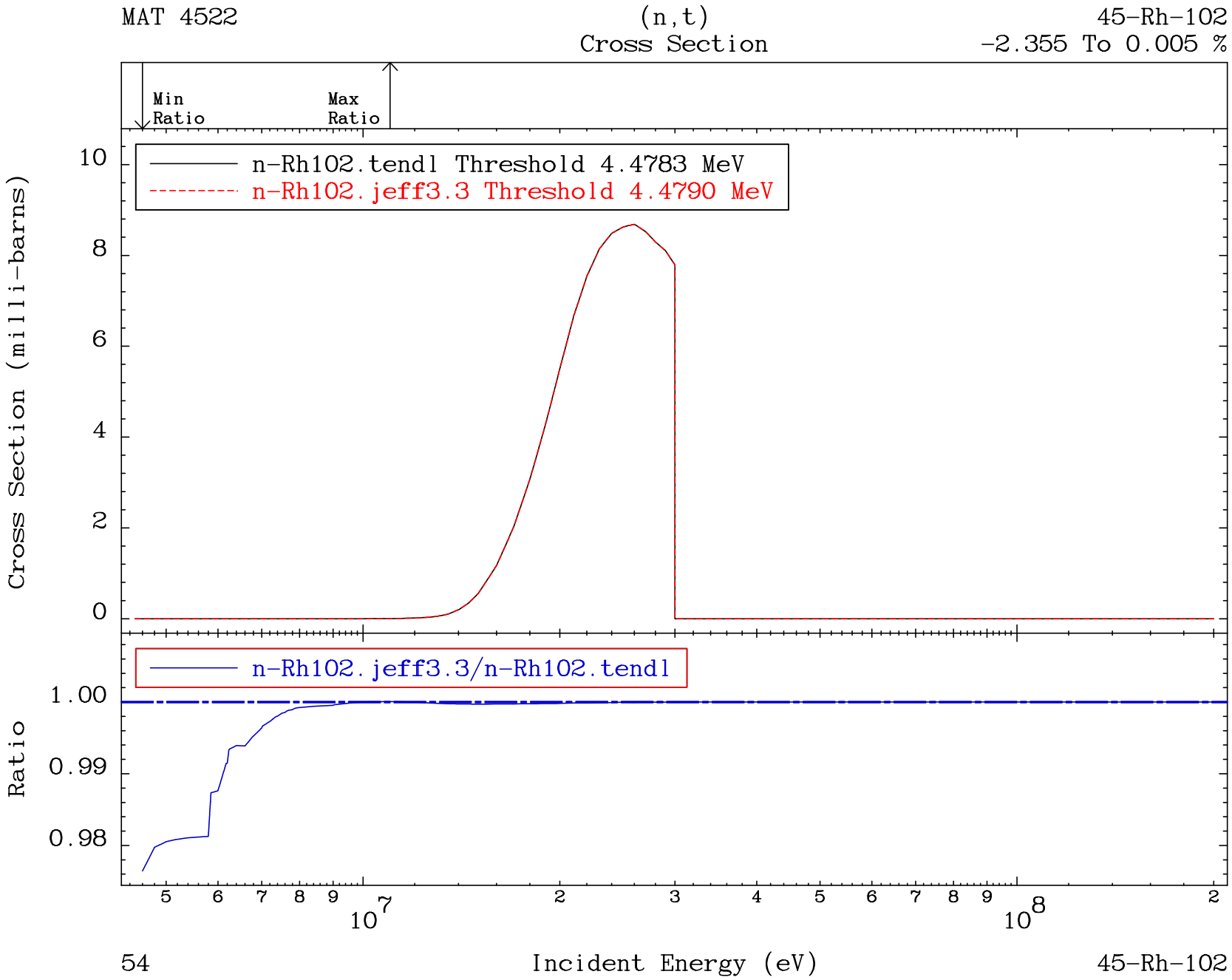

MAT 4522
MT= 80 (n,n') Level
Cross Section
45-Rh-102
-0.065 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 479.04 keV
n-Rh102.jeff3.3 Threshold 479.04 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
45-Rh-102

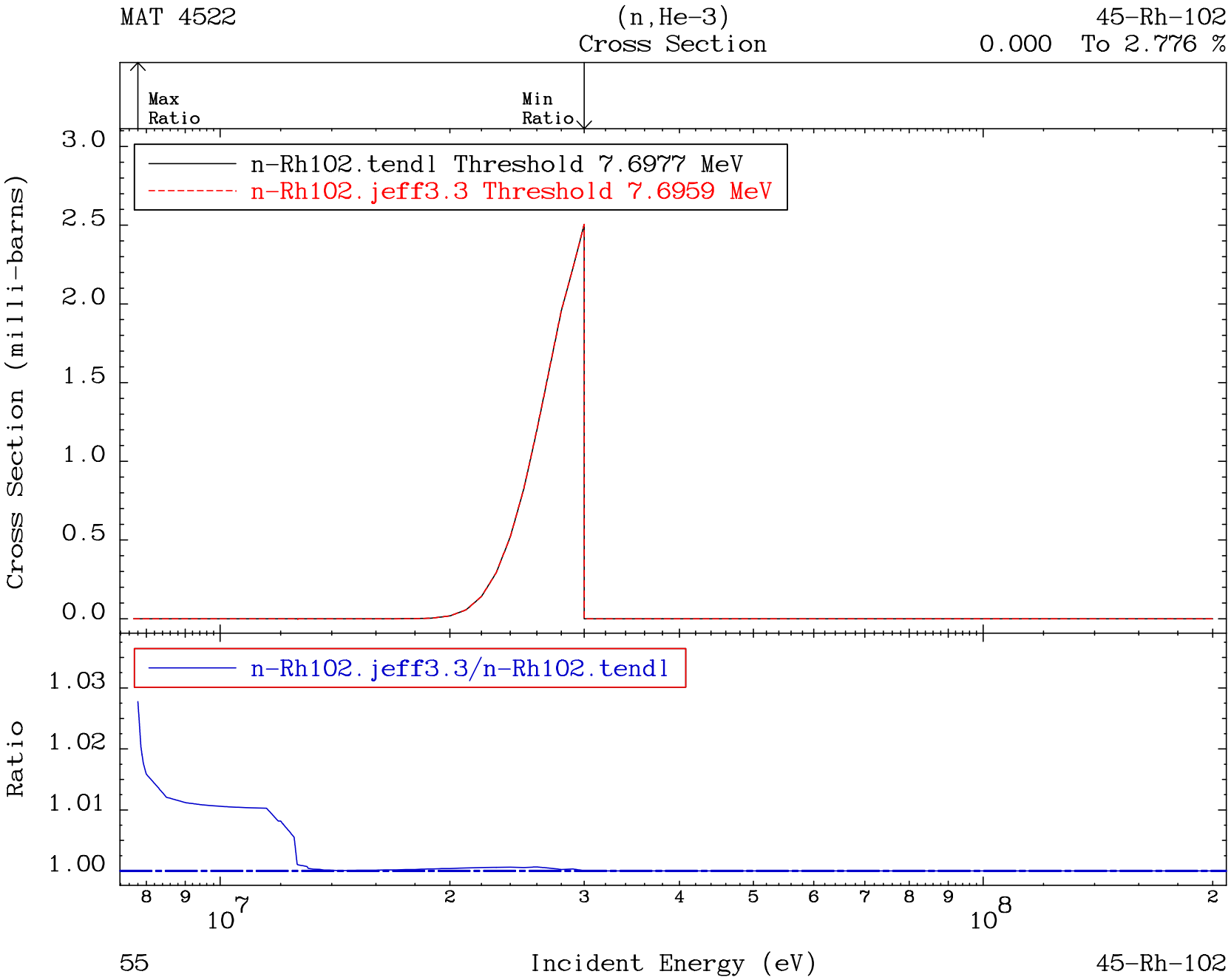

MAT 4522
(n,n') Continuum
Cross Section
45-Rh-102
-0.230 To 0.024 %
Max
Ratio
Min
Ratio
n-Rh102.tendl Threshold 479.04 keV
n-Rh102.jeff3.3 Threshold 479.04 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
45-Rh-102

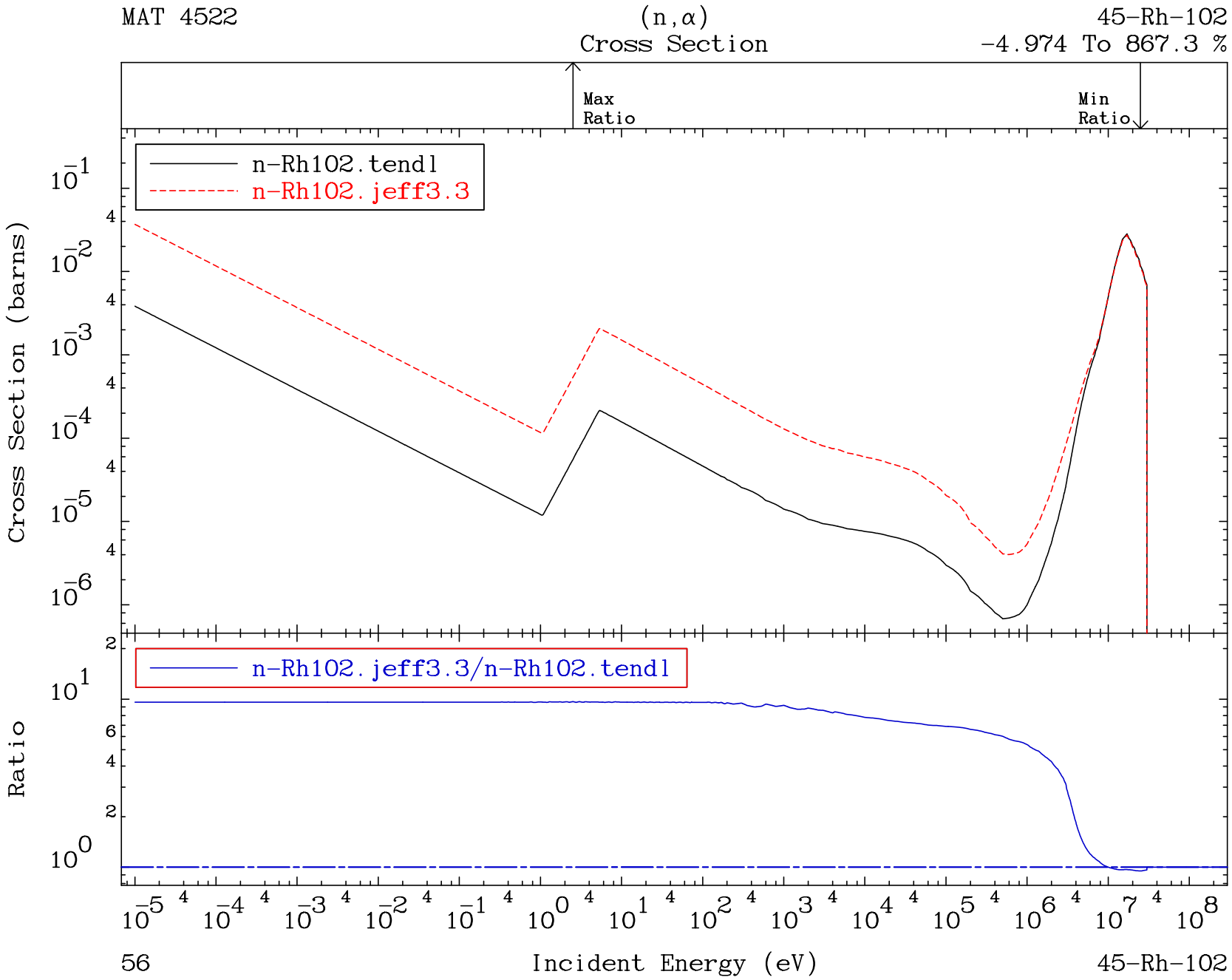

MAT 4522
(n,γ)
Cross Section
45-Rh-102
-99.97 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
51
45-Rh-102

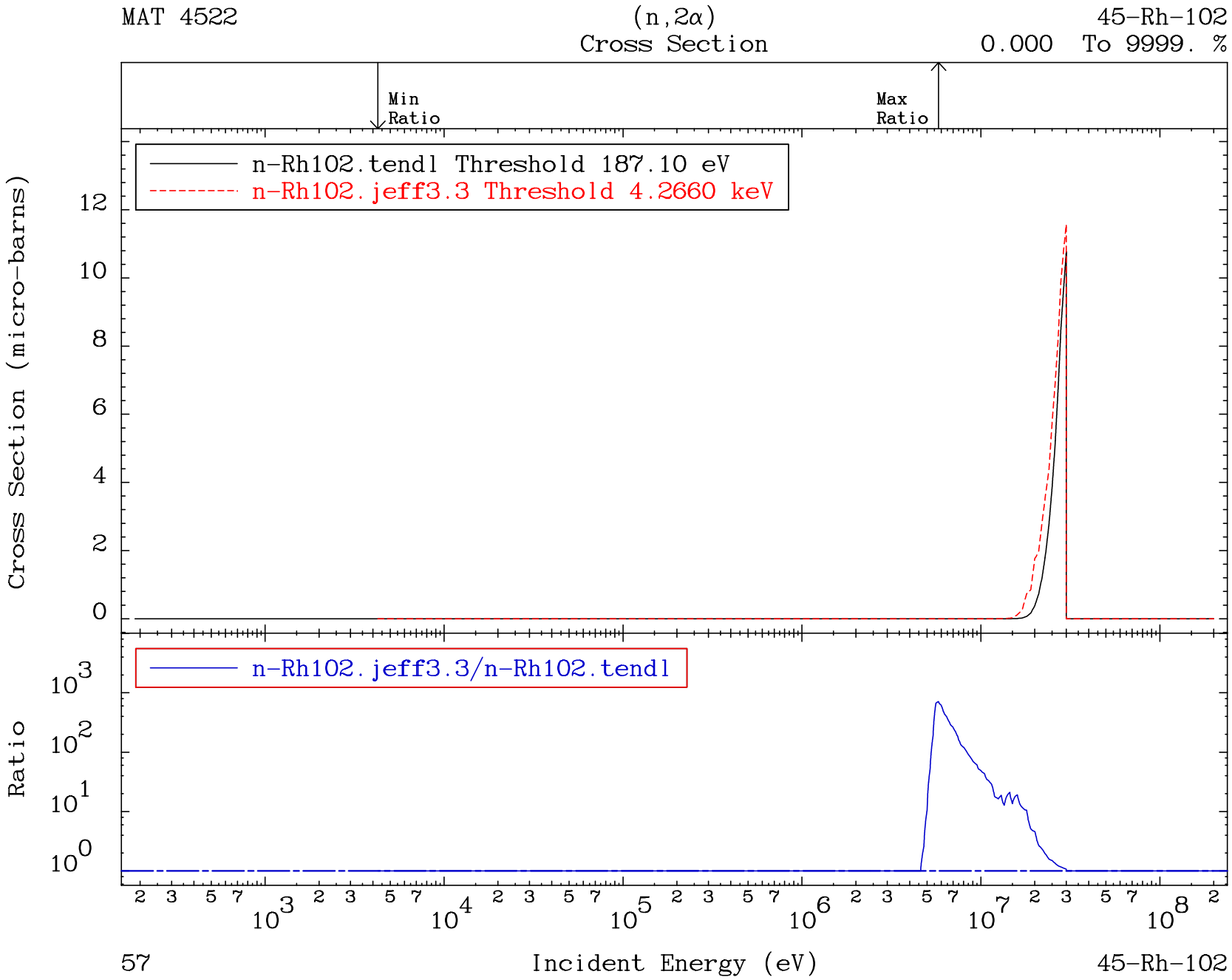

MAT 4522
(n,p)
Cross Section
45-Rh-102
-5.385 To 0.437 %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
52
45-Rh-102

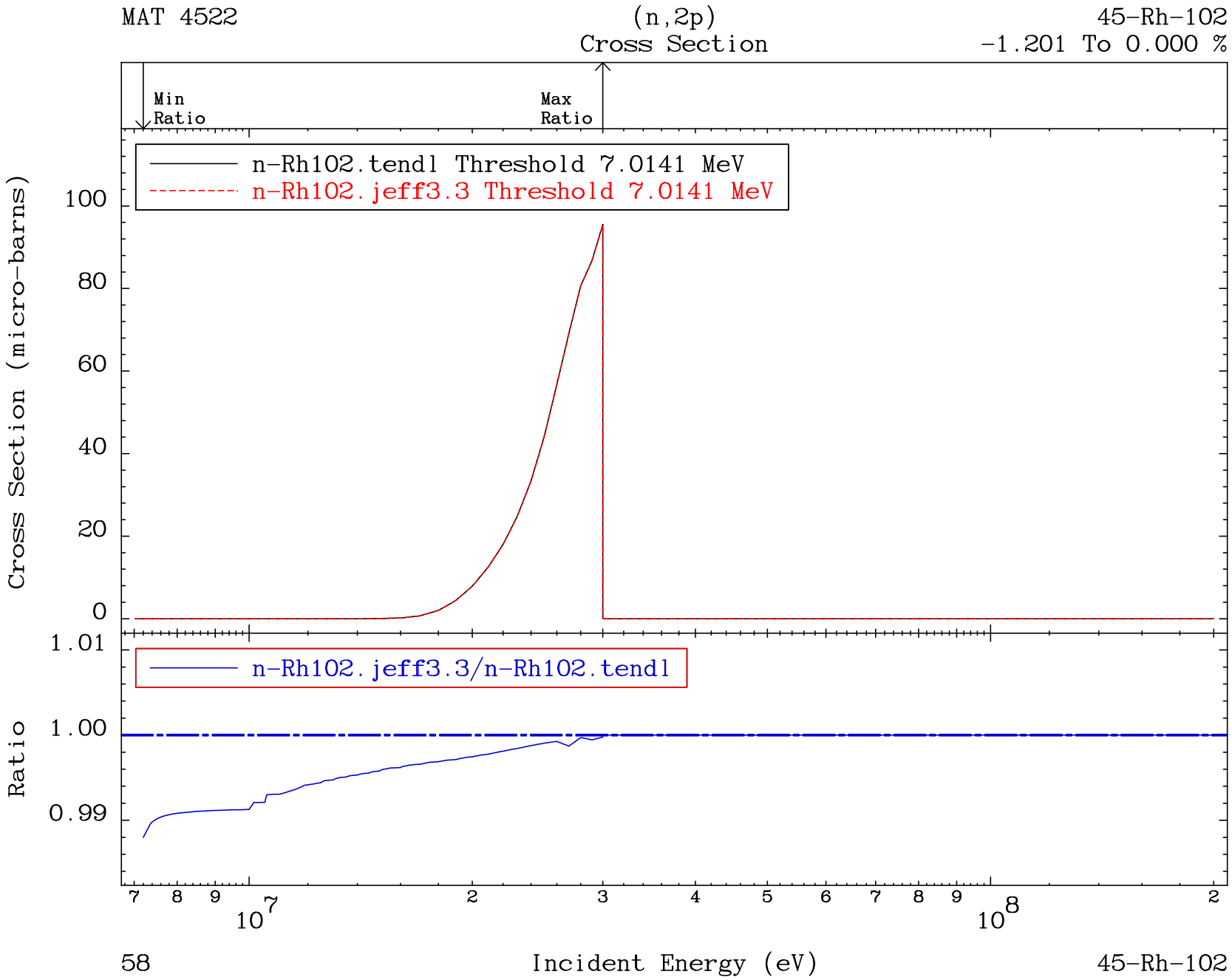

MAT 4522
(n,d)
Cross Section
45-Rh-102
-2.179 To 0.008 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 3.9281 MeV
n-Rh102.jeff3.3 Threshold 3.9288 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
0.99
0.98
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
45-Rh-102

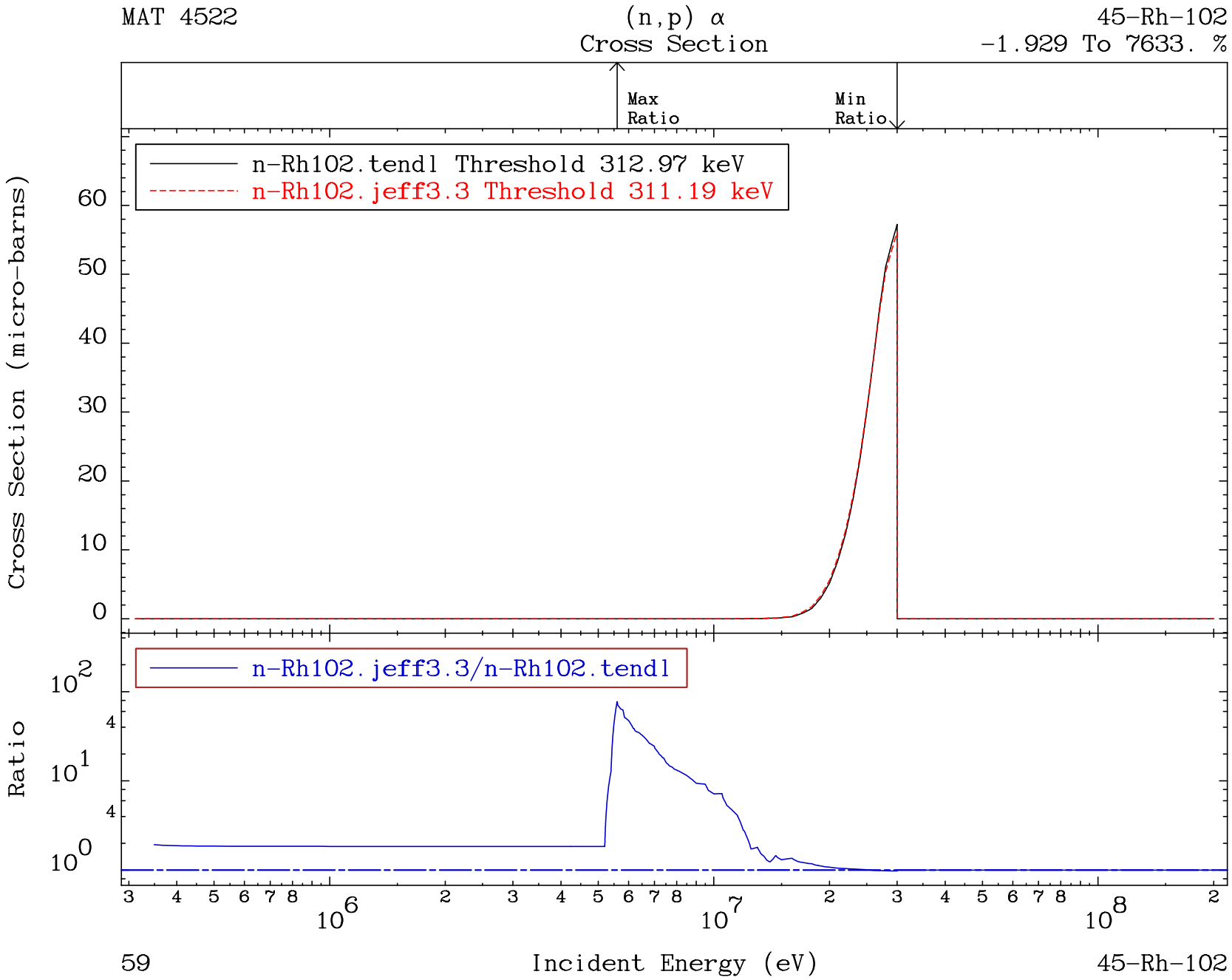

MAT 4522
(n,t)
Cross Section
45-Rh-102
-2.355 To 0.005 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 4.4783 MeV
n-Rh102.jeff3.3 Threshold 4.4790 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
0.99
0.98
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
45-Rh-102

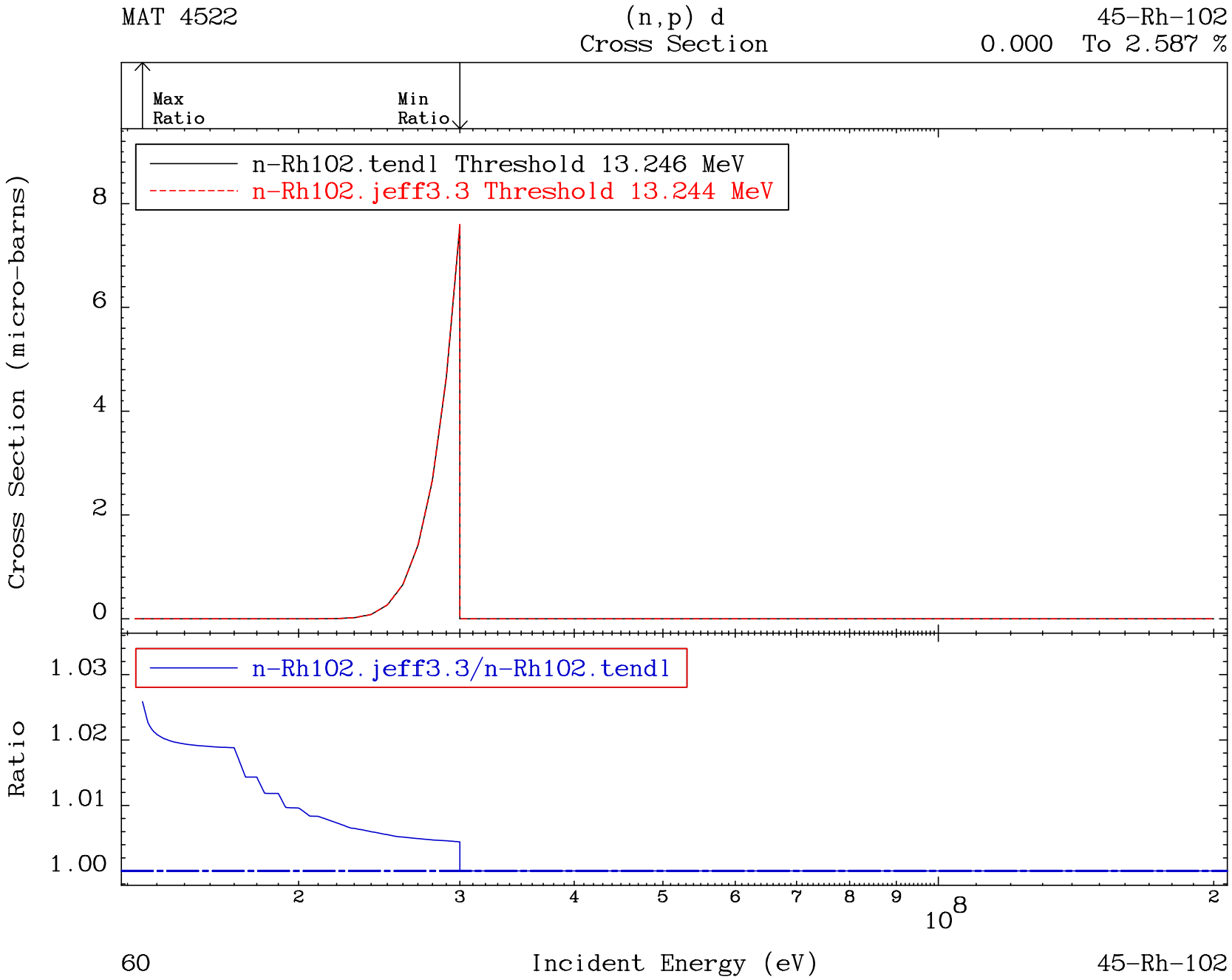

MAT 4522
(n,He-3)
Cross Section
45-Rh-102
0.000 To 2.776 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 7.6977 MeV
n-Rh102.jeff3.3 Threshold 7.6959 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.03
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
45-Rh-102

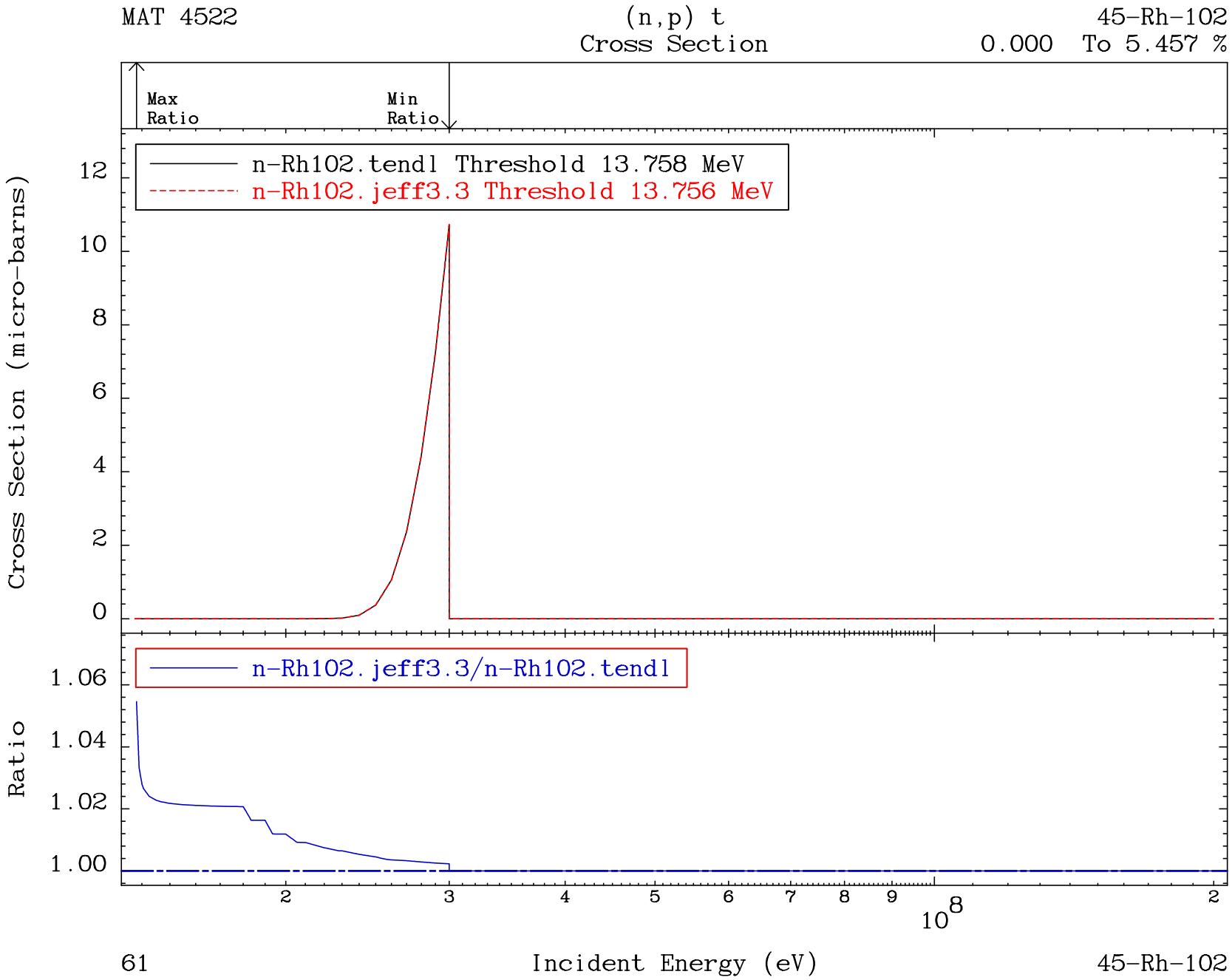

MAT 4522
(n,α)
Cross Section
45-Rh-102
-4.974 To 867.3 %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
56
45-Rh-102

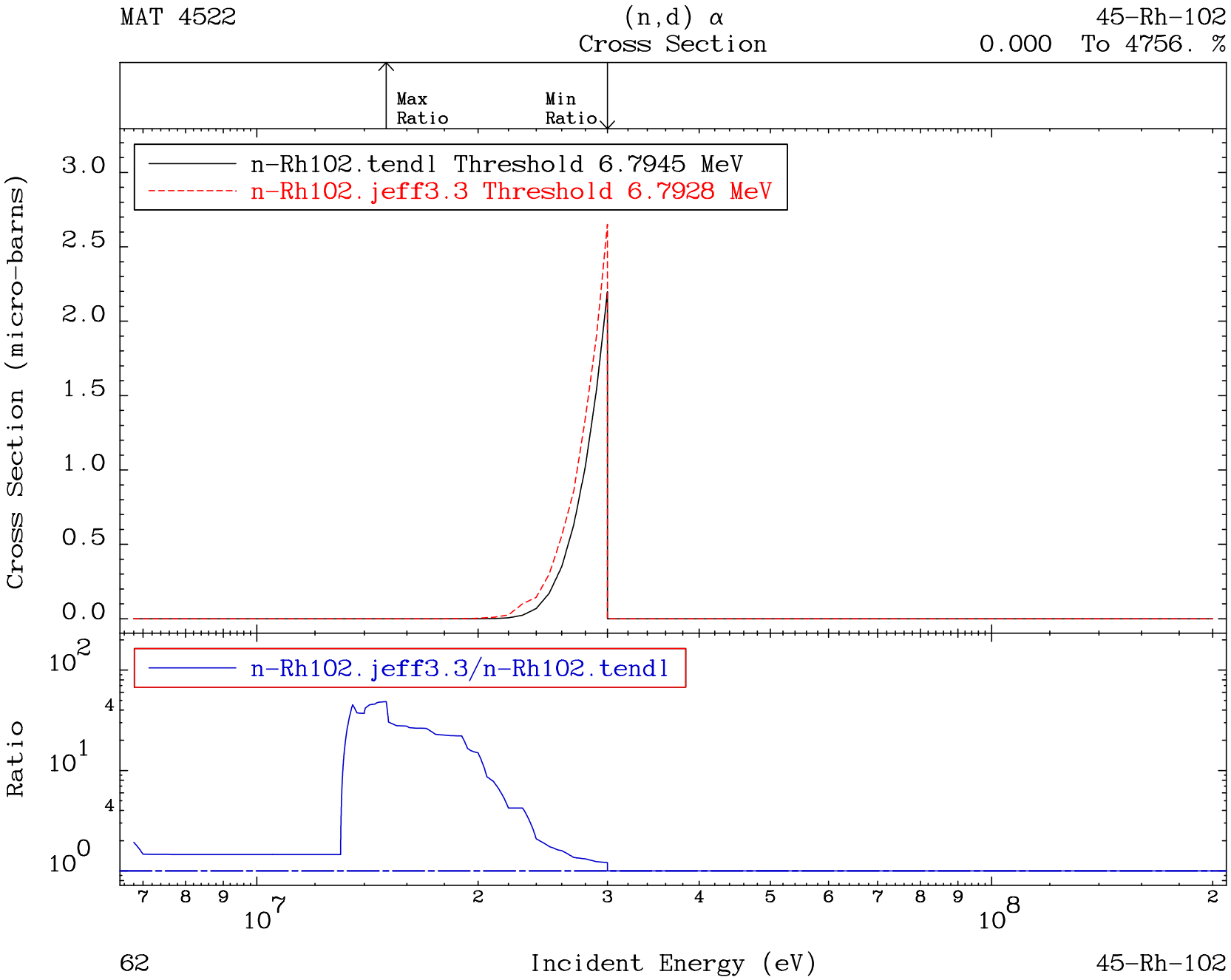

MAT 4522
(n,2α)
Cross Section
45-Rh-102
0.000 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 187.10 eV
n-Rh102.jeff3.3 Threshold 4.2660 keV
Cross Section (micro-barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
57
45-Rh-102

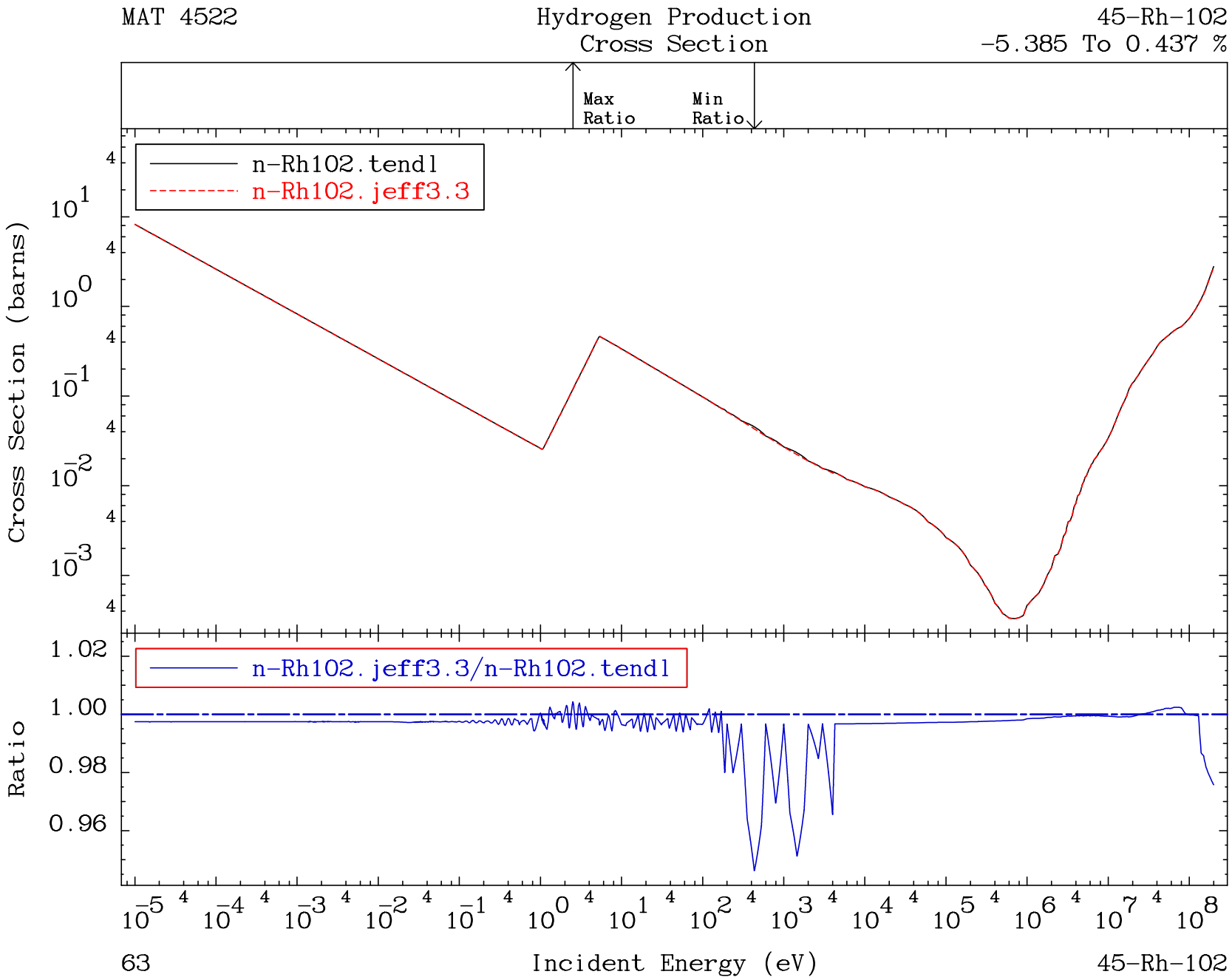

MAT 4522
(n,2p)
Cross Section
45-Rh-102
-1.201 To 0.000 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 7.0141 MeV
n-Rh102.jeff3.3 Threshold 7.0141 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
45-Rh-102

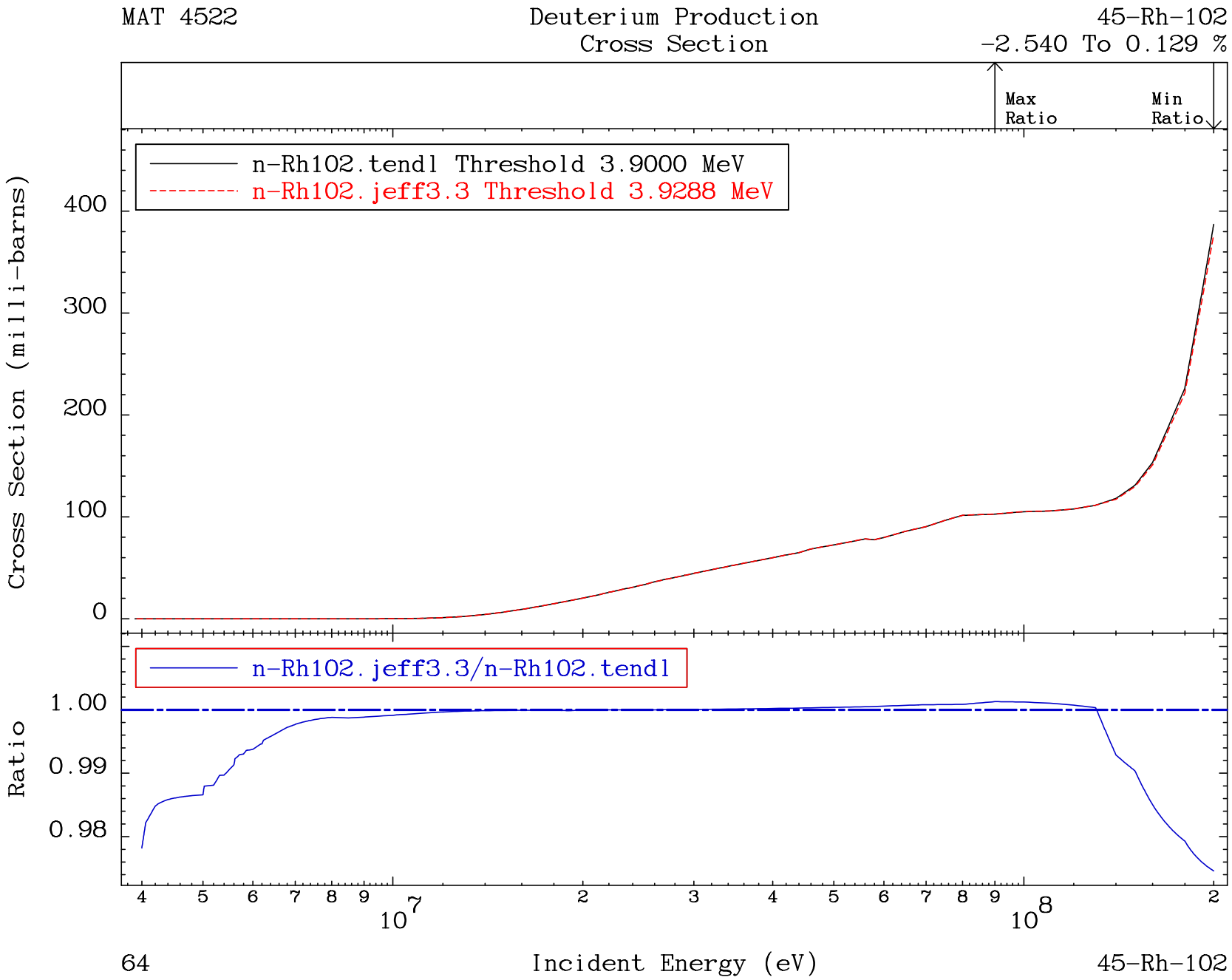

MAT 4522
(n,p) α
Cross Section
45-Rh-102
-1.929 To 7633. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 312.97 keV
n-Rh102.jeff3.3 Threshold 311.19 keV
Cross Section (micro-barns)
60
50
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
59
Incident Energy (eV)
45-Rh-102

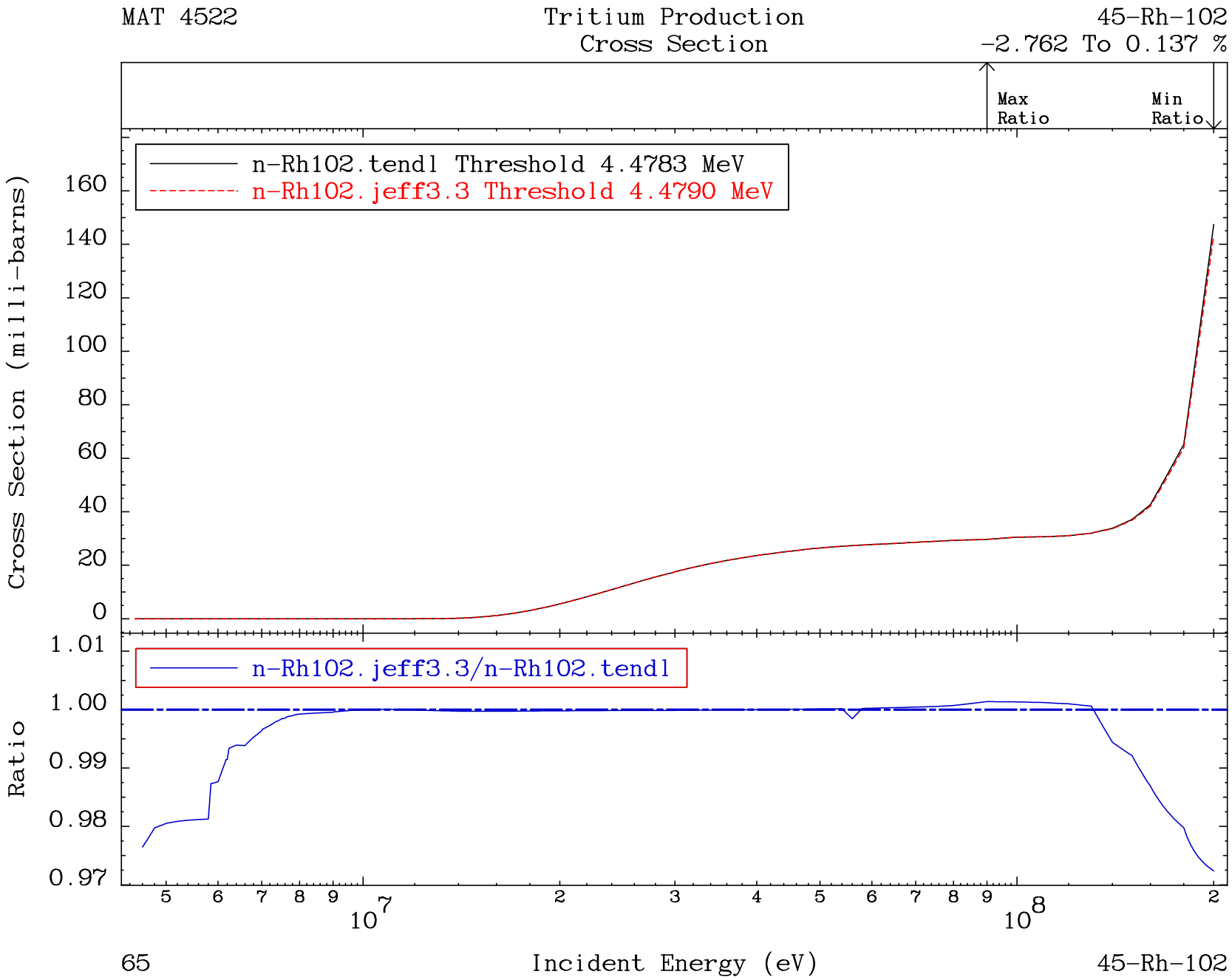

MAT 4522
(n,p) d
Cross Section
45-Rh-102
0.000 To 2.587 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 13.246 MeV
n-Rh102.jeff3.3 Threshold 13.244 MeV
Cross Section (micro-barns)
0
2
4
6
8
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
1.01
1.02
1.03
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
45-Rh-102

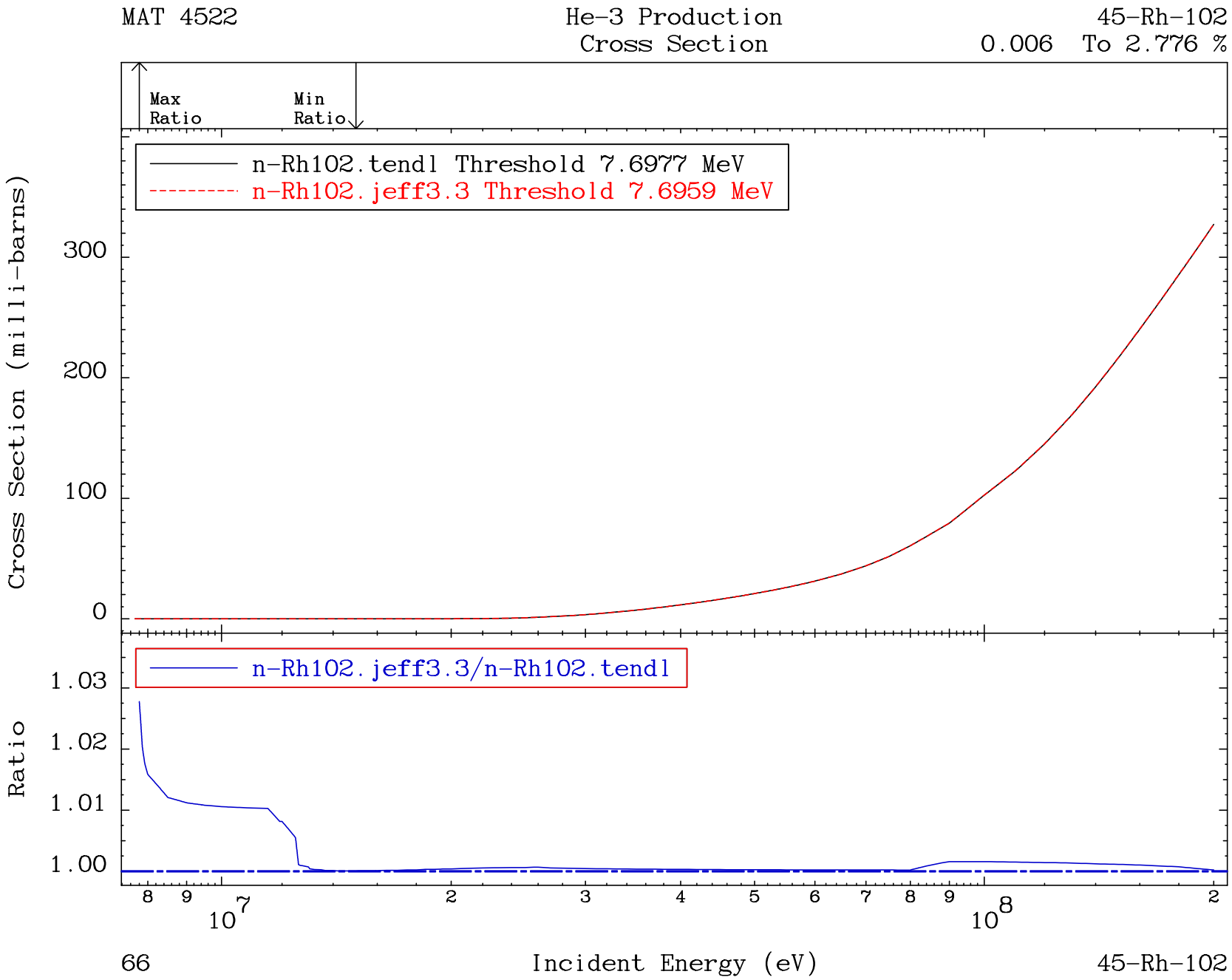

MAT 4522
(n,p) t
Cross Section
45-Rh-102
0.000 To 5.457 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 13.758 MeV
n-Rh102.jeff3.3 Threshold 13.756 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
1.02
1.04
1.06
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
45-Rh-102

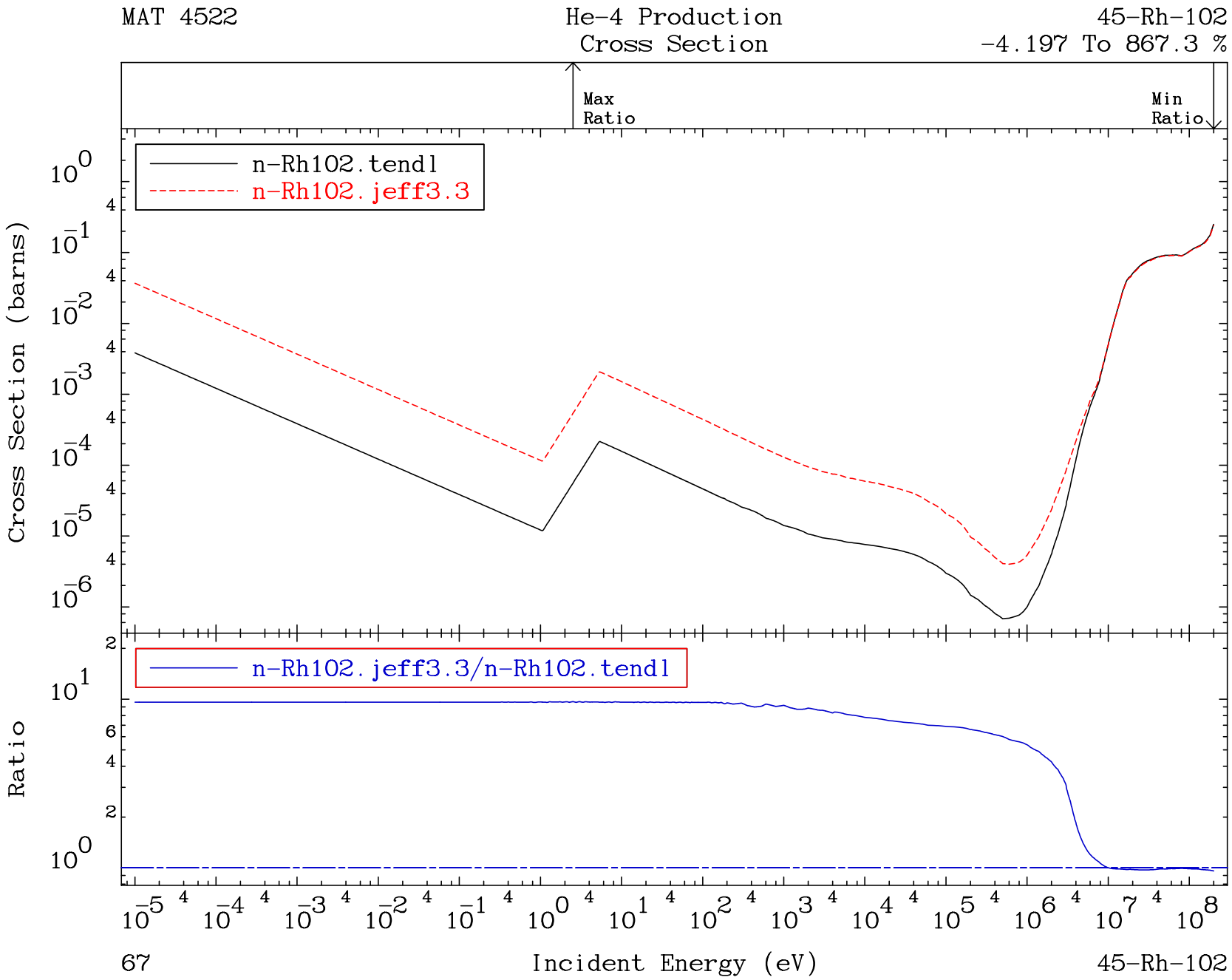

MAT 4522
(n,d) α
Cross Section
45-Rh-102
0.000 To 4756. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 6.7945 MeV
n-Rh102.jeff3.3 Threshold 6.7928 MeV
Cross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
4
10^1
4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
62
Incident Energy (eV)
45-Rh-102

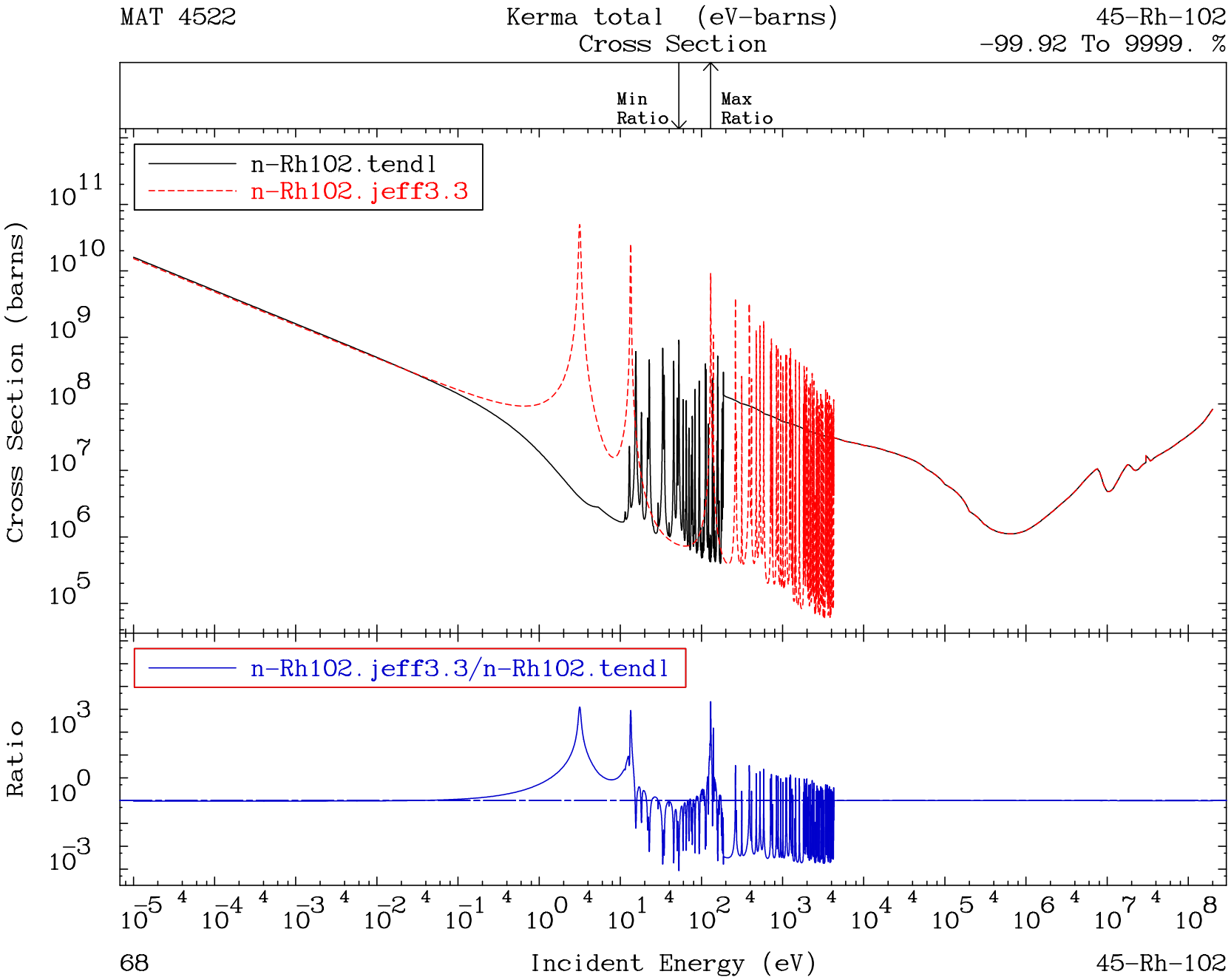

MAT 4522
Hydrogen Production
Cross Section
45-Rh-102
-5.385 To 0.437 %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
63
45-Rh-102

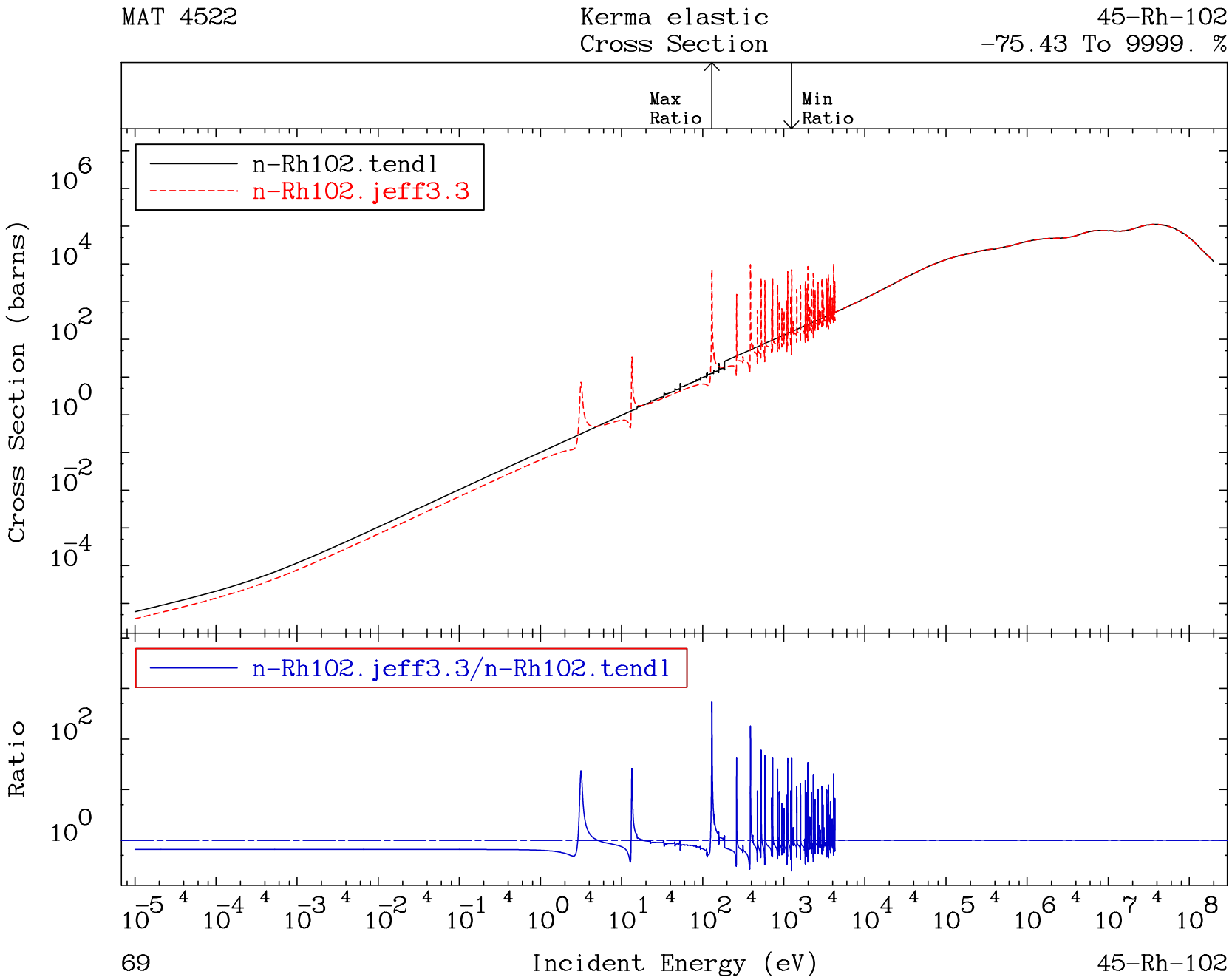

MAT 4522
Deuterium Production
Cross Section
45-Rh-102
-2.540 To 0.129 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 3.9000 MeV
n-Rh102.jeff3.3 Threshold 3.9288 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.00
0.99
0.98
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
45-Rh-102

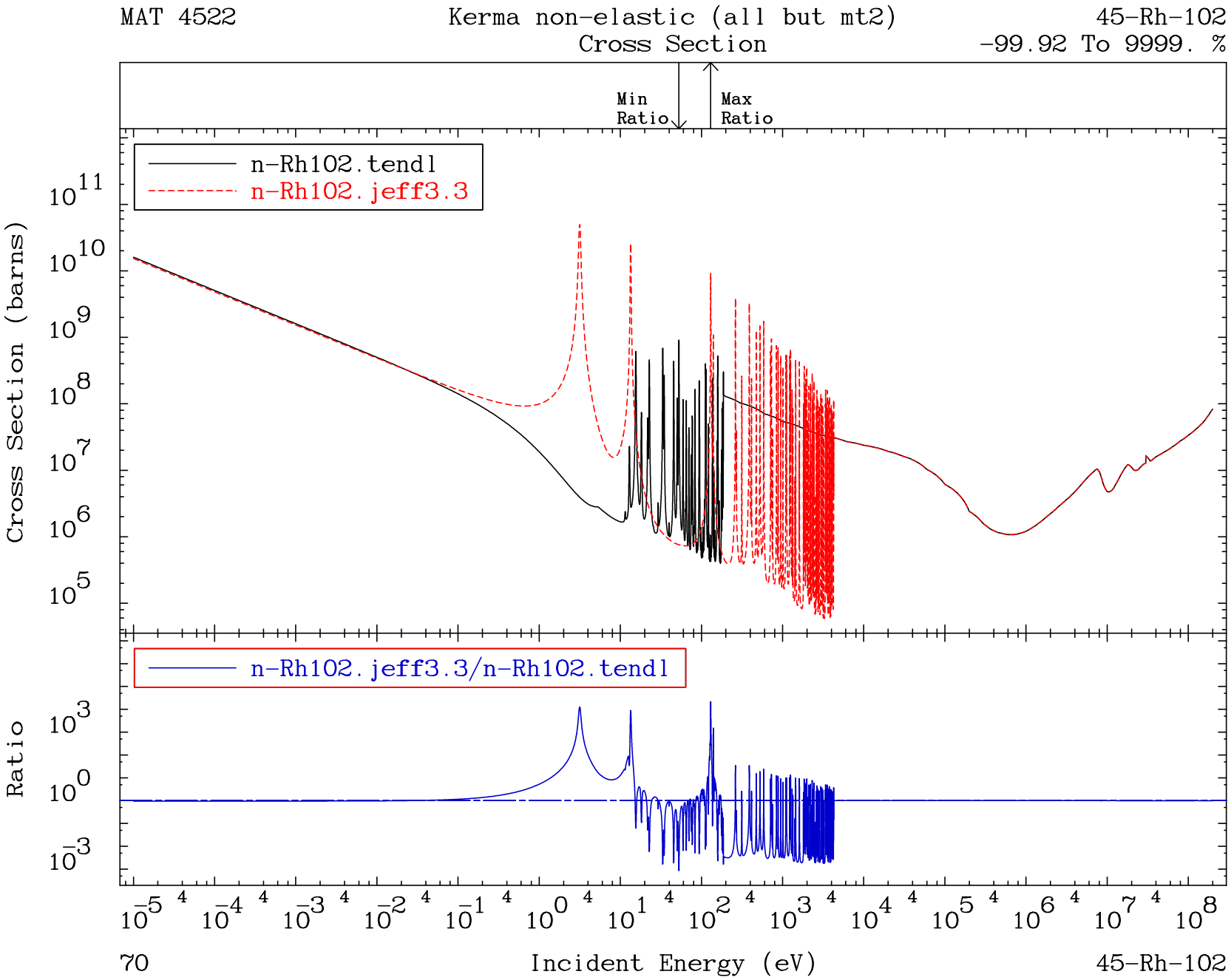

MAT 4522
Tritium Production
Cross Section
45-Rh-102
-2.762 To 0.137 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 4.4783 MeV
n-Rh102.jeff3.3 Threshold 4.4790 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
45-Rh-102

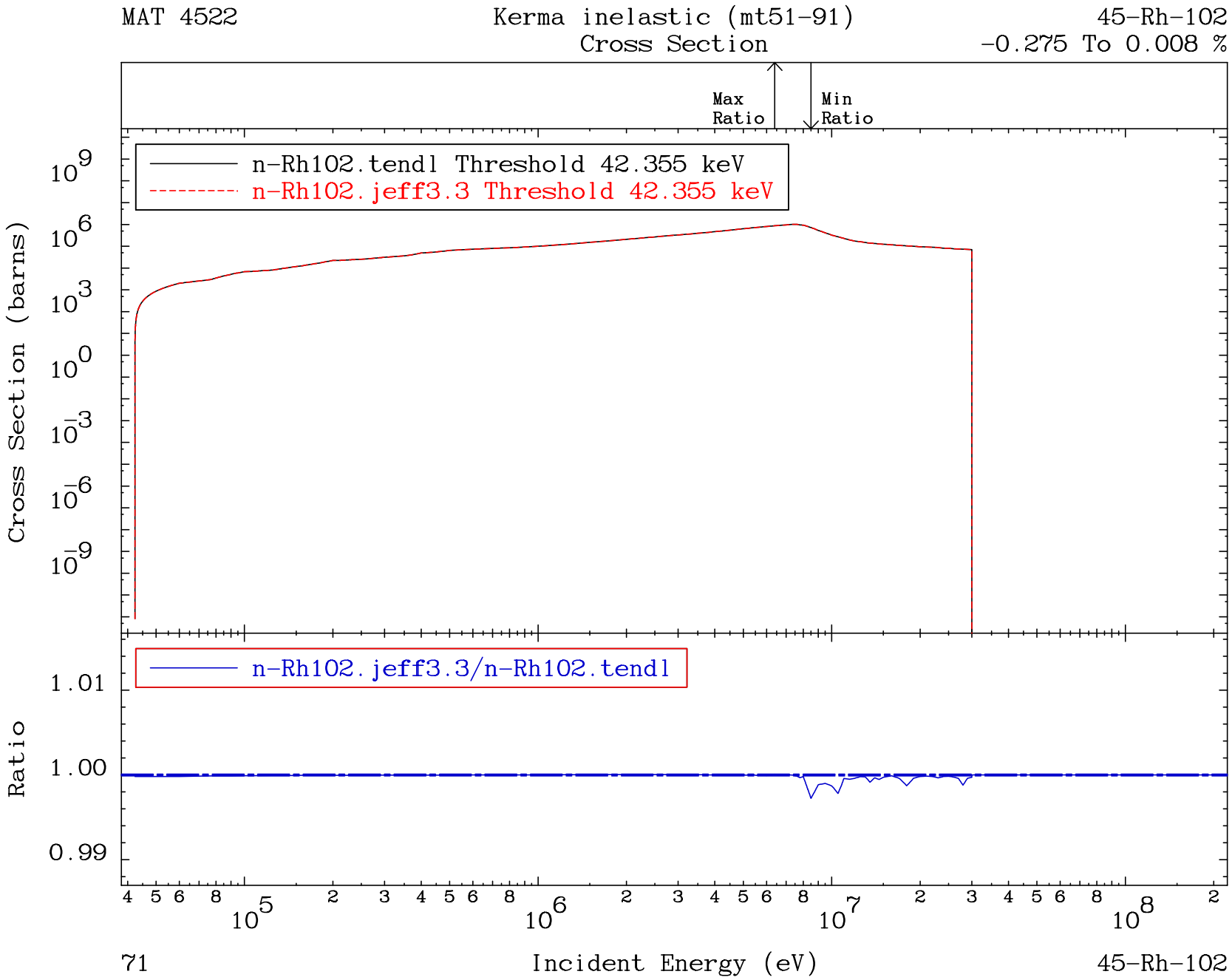

MAT 4522
He-3 Production
Cross Section
45-Rh-102
0.006 To 2.776 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 7.6977 MeV
n-Rh102.jeff3.3 Threshold 7.6959 MeV
Cross Section (milli-barns)
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.03
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
66
Incident Energy (eV)
45-Rh-102

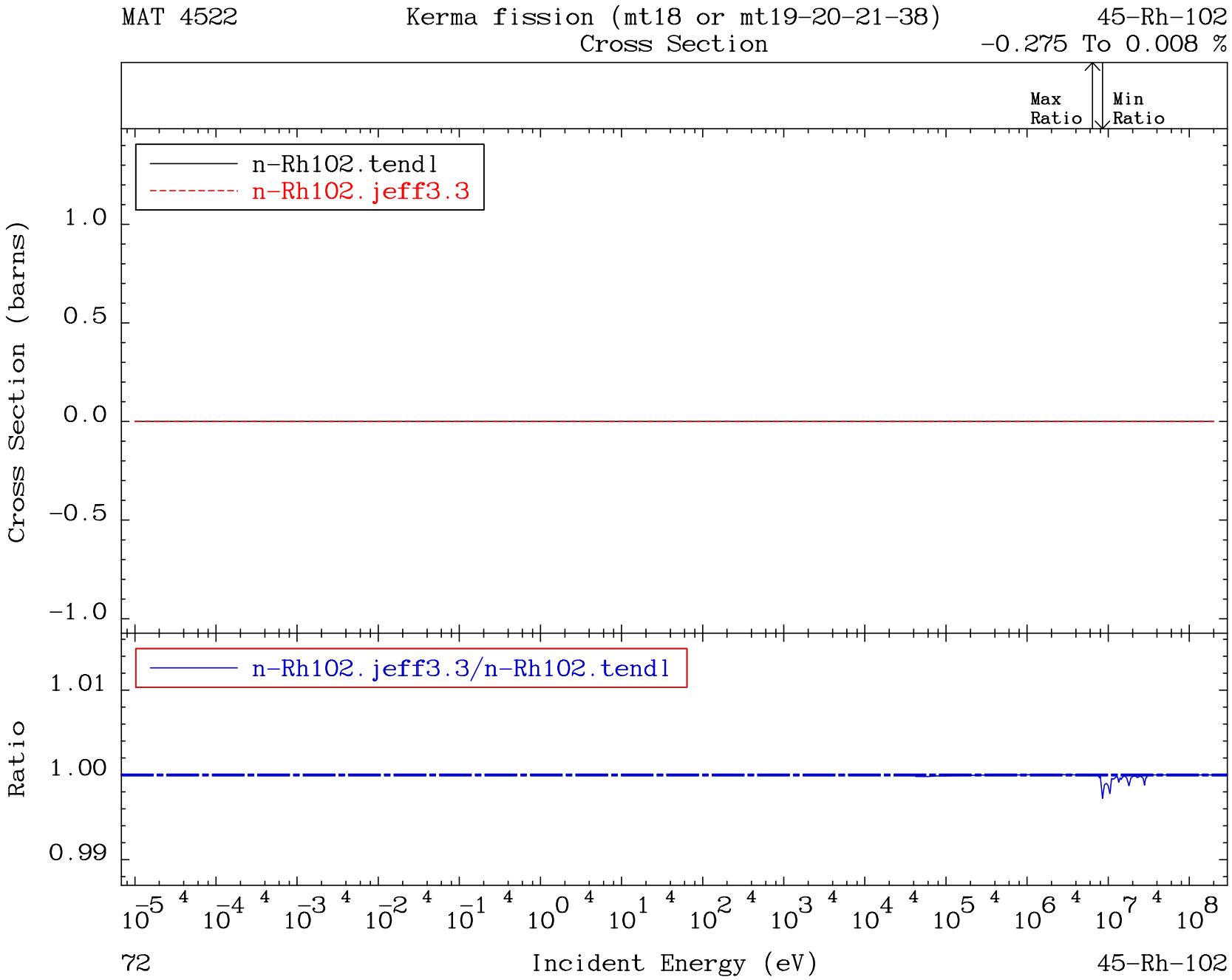

MAT 4522
He-4 Production
Cross Section
45-Rh-102
-4.197 To 867.3 %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
67
45-Rh-102

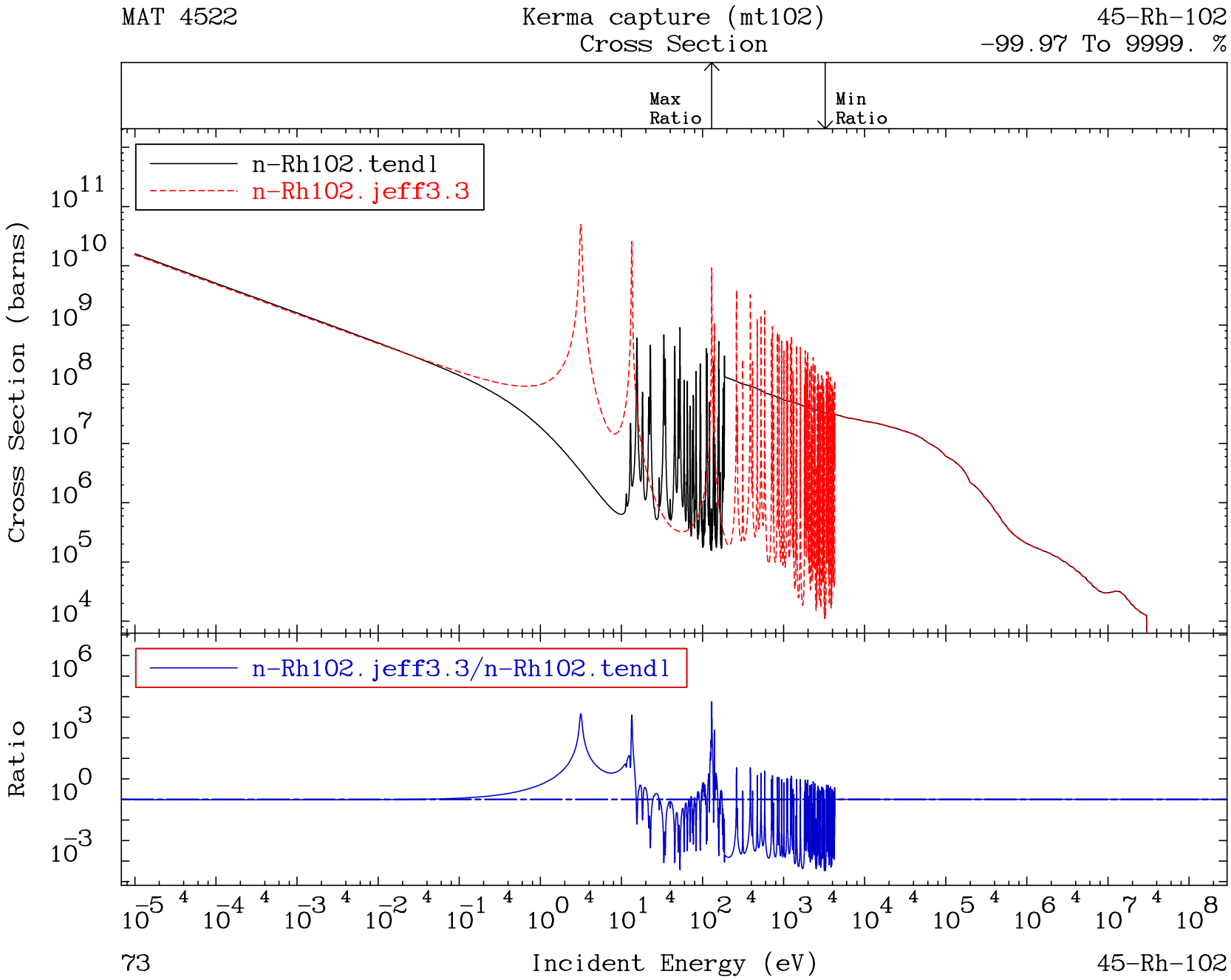

MAT 4522
Kerma total (eV-barns)
Cross Section
45-Rh-102
-99.92 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
68
Incident Energy (eV)
45-Rh-102

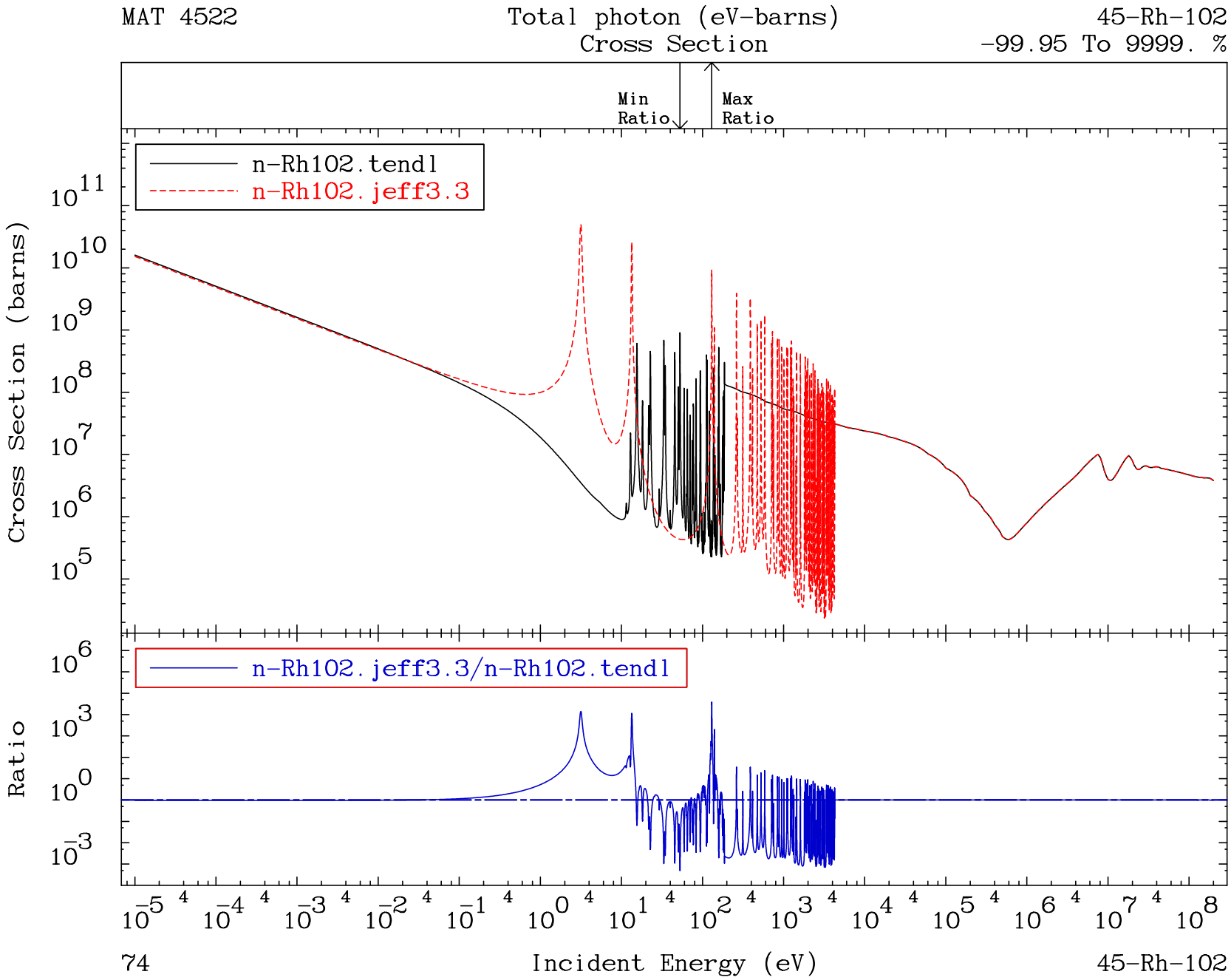

MAT 4522
Kerma elastic
Cross Section
45-Rh-102
-75.43 To 9999. %
Max
Ratio
Min
Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
69
Incident Energy (eV)
45-Rh-102

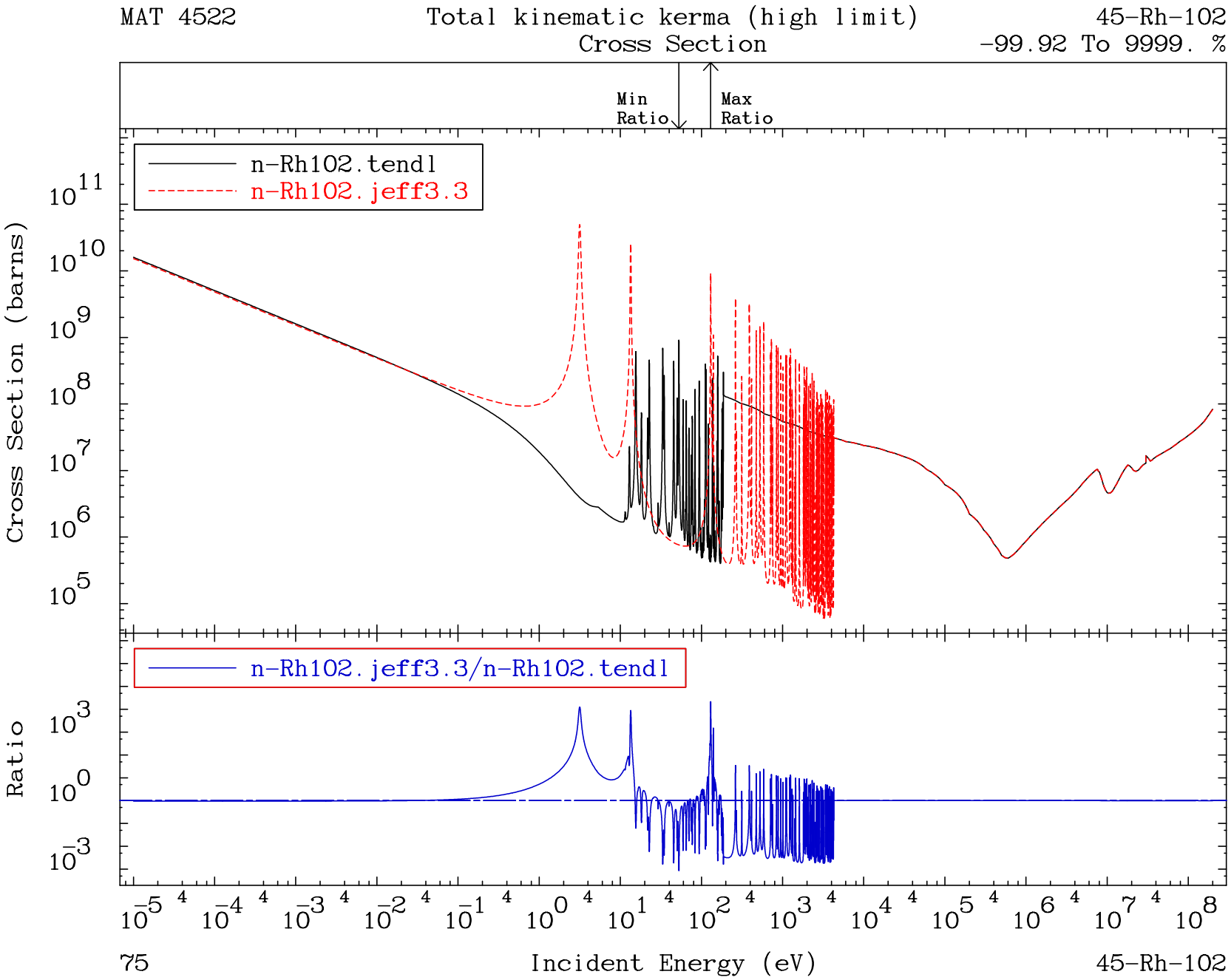

MAT 4522
Kerma non-elastic (all but mt2)
Cross Section
45-Rh-102
-99.92 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
70
45-Rh-102

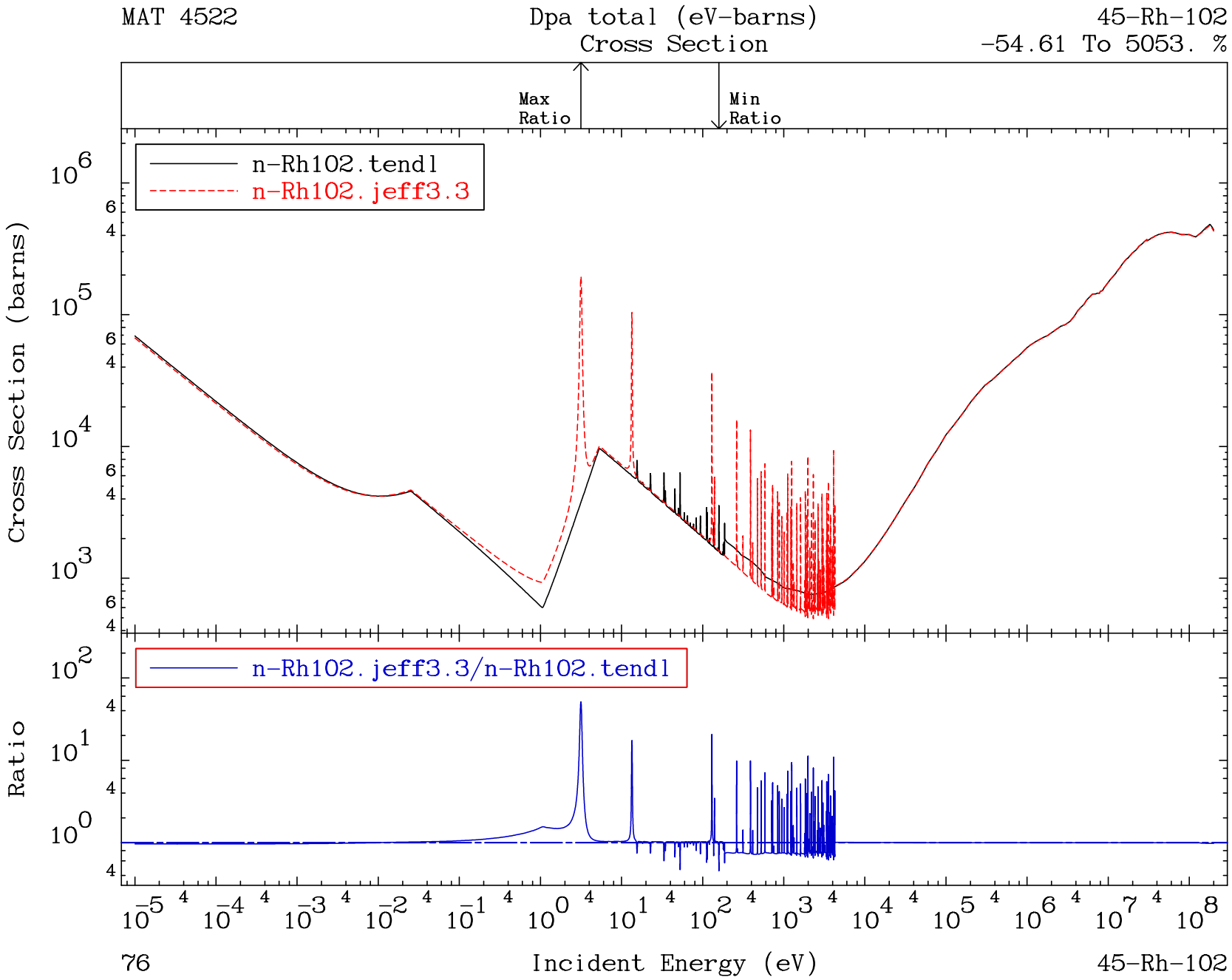

MAT 4522
Kerma inelastic (mt51-91)
Cross Section
45-Rh-102
-0.275 To 0.008 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 42.355 keV
n-Rh102.jeff3.3 Threshold 42.355 keV
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
71
45-Rh-102

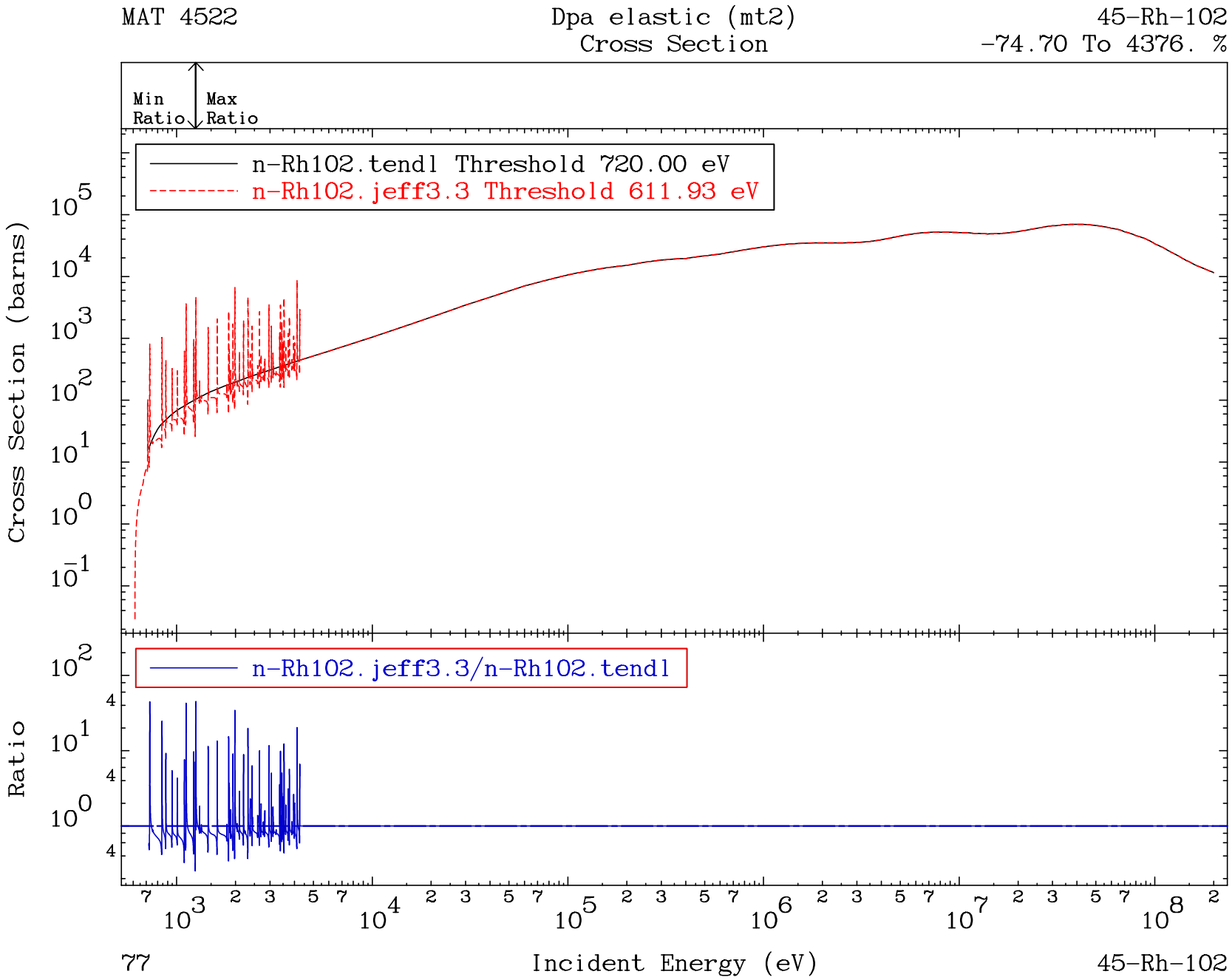

MAT 4522
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
45-Rh-102
-0.275 To 0.008 %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
72
Incident Energy (eV)
45-Rh-102

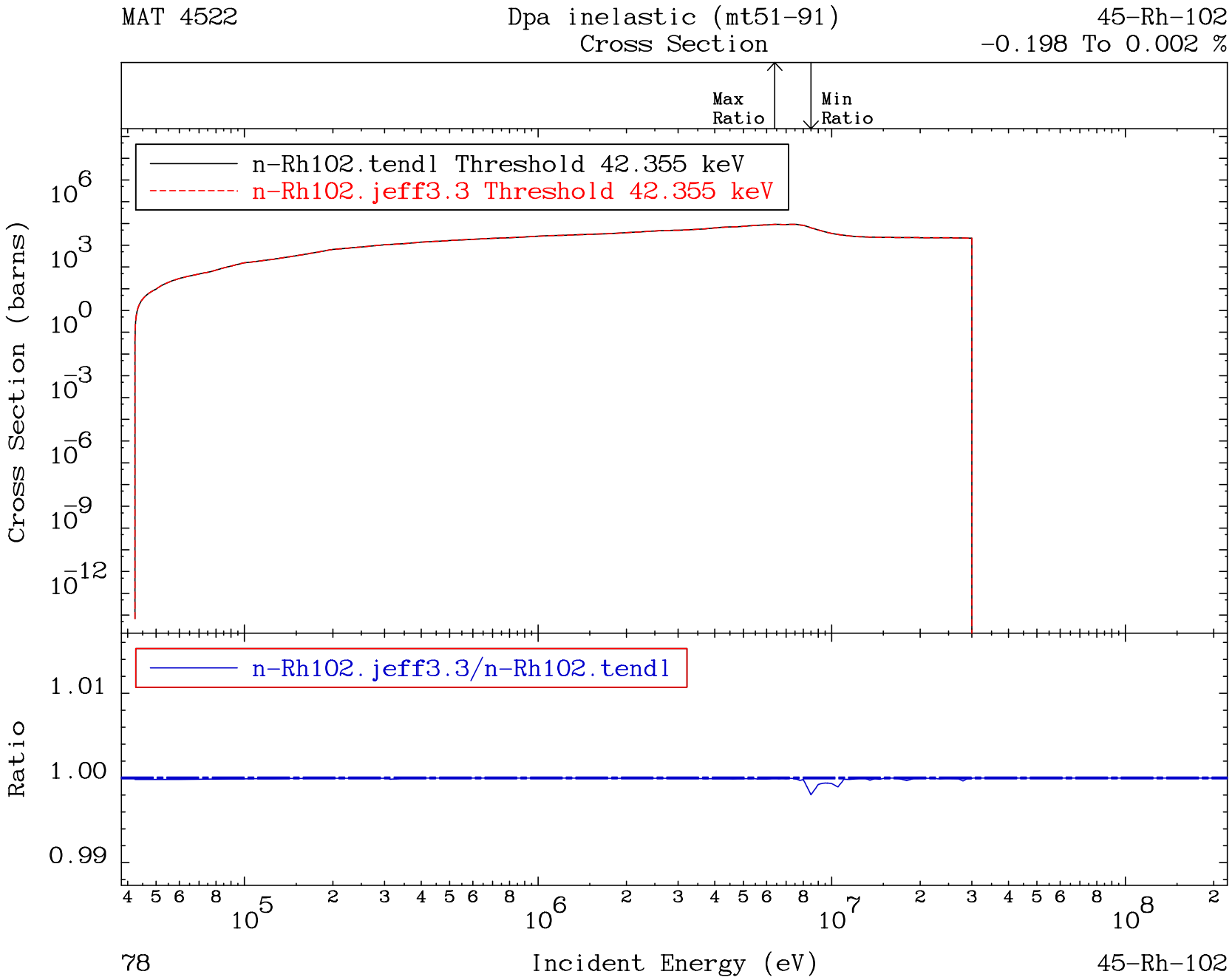

MAT 4522
Kerma capture (mt102)
Cross Section
45-Rh-102
-99.97 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
73
45-Rh-102

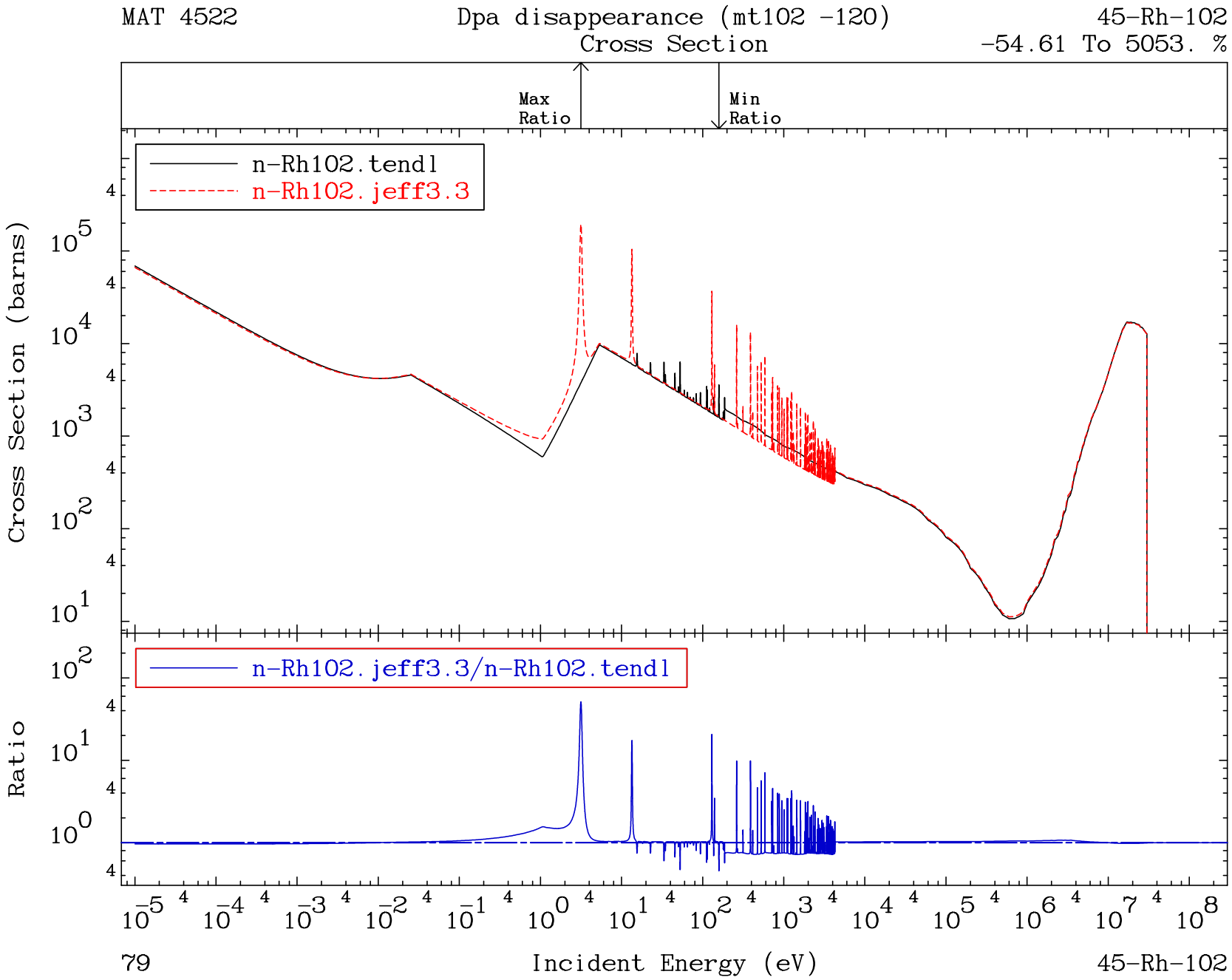

MAT 4522
Total photon (eV-barns)
Cross Section
45-Rh-102
-99.95 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
74
Incident Energy (eV)
45-Rh-102

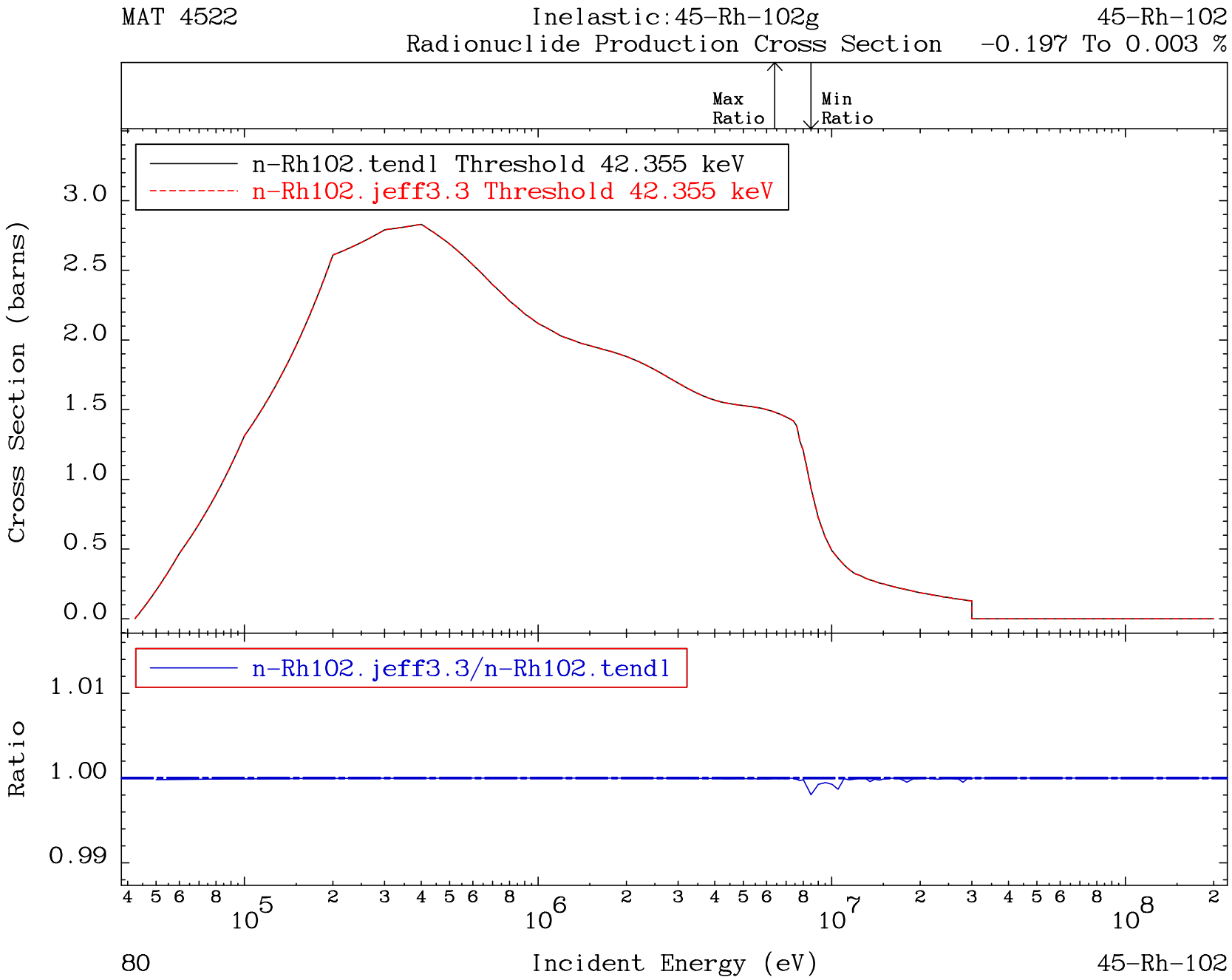

MAT 4522
Total kinematic kerma (high limit)
Cross Section
45-Rh-102
-99.92 To 9999. %
Min Ratio
Max Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
75
45-Rh-102

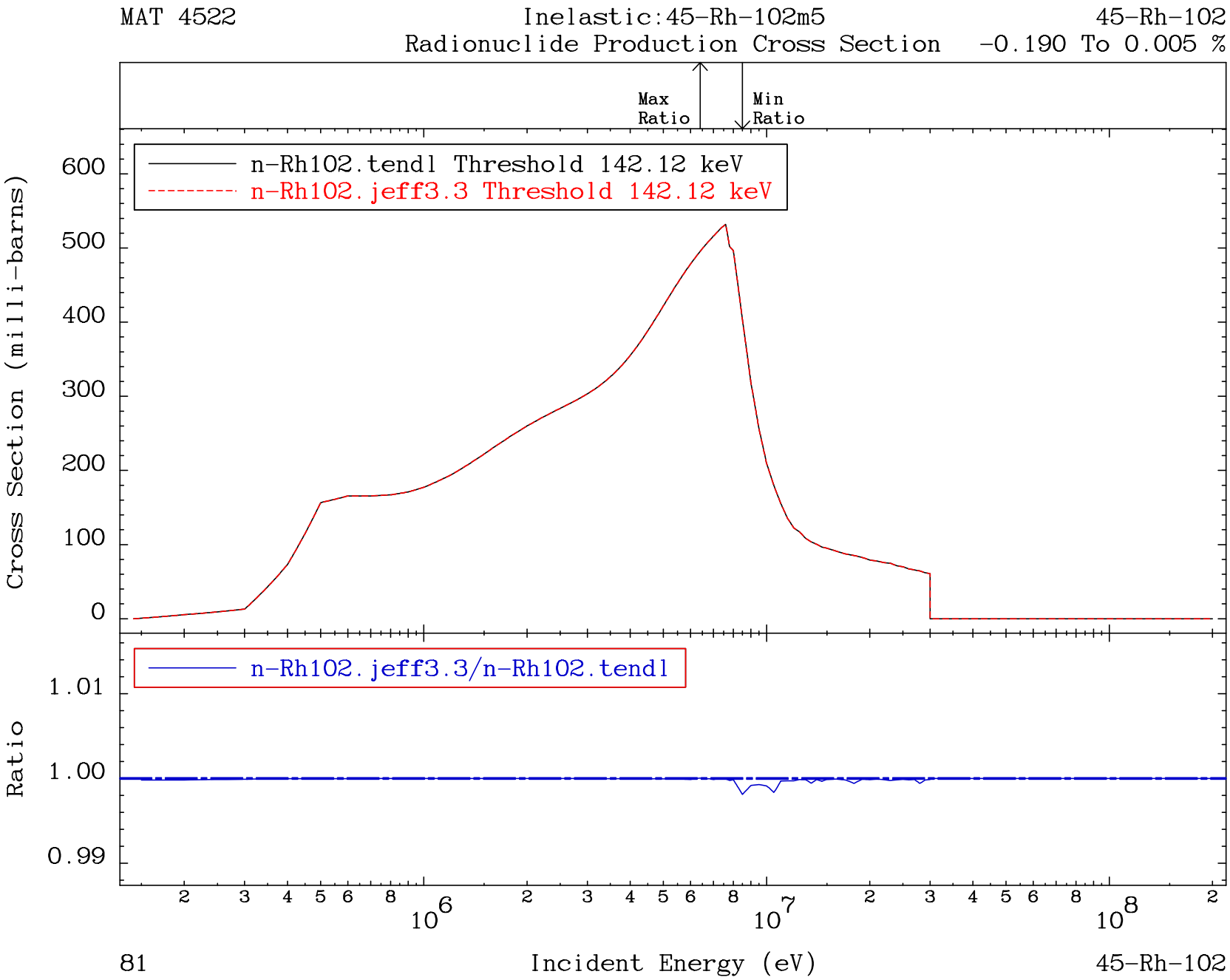

MAT 4522
Dpa total (eV-barns)
Cross Section
45-Rh-102
-54.61 To 5053. %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
76
45-Rh-102

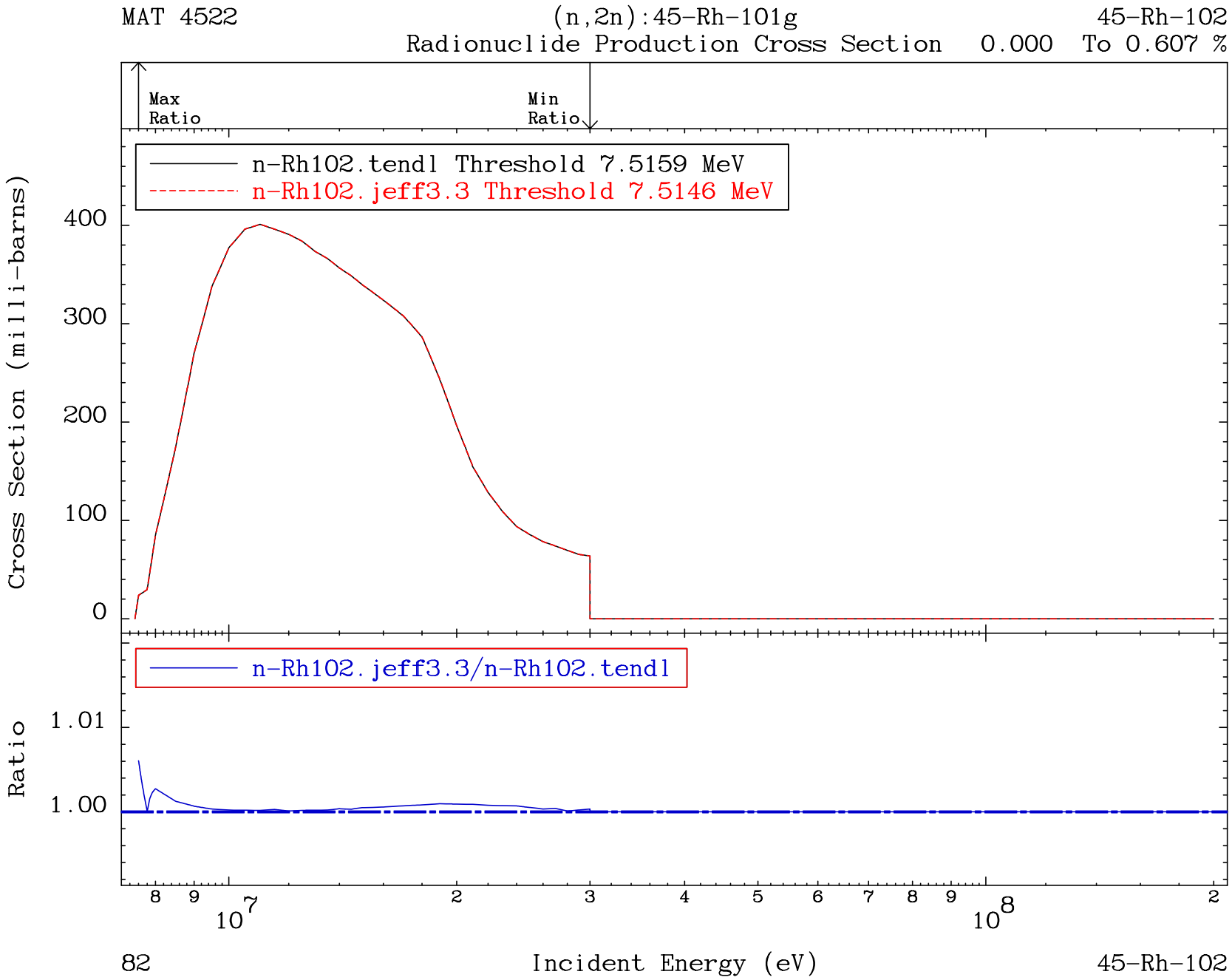

MAT 4522
Dpa elastic (mt2)
Cross Section
45-Rh-102
-74.70 To 4376. %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 720.00 eV
n-Rh102.jeff3.3 Threshold 611.93 eV
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
77
45-Rh-102

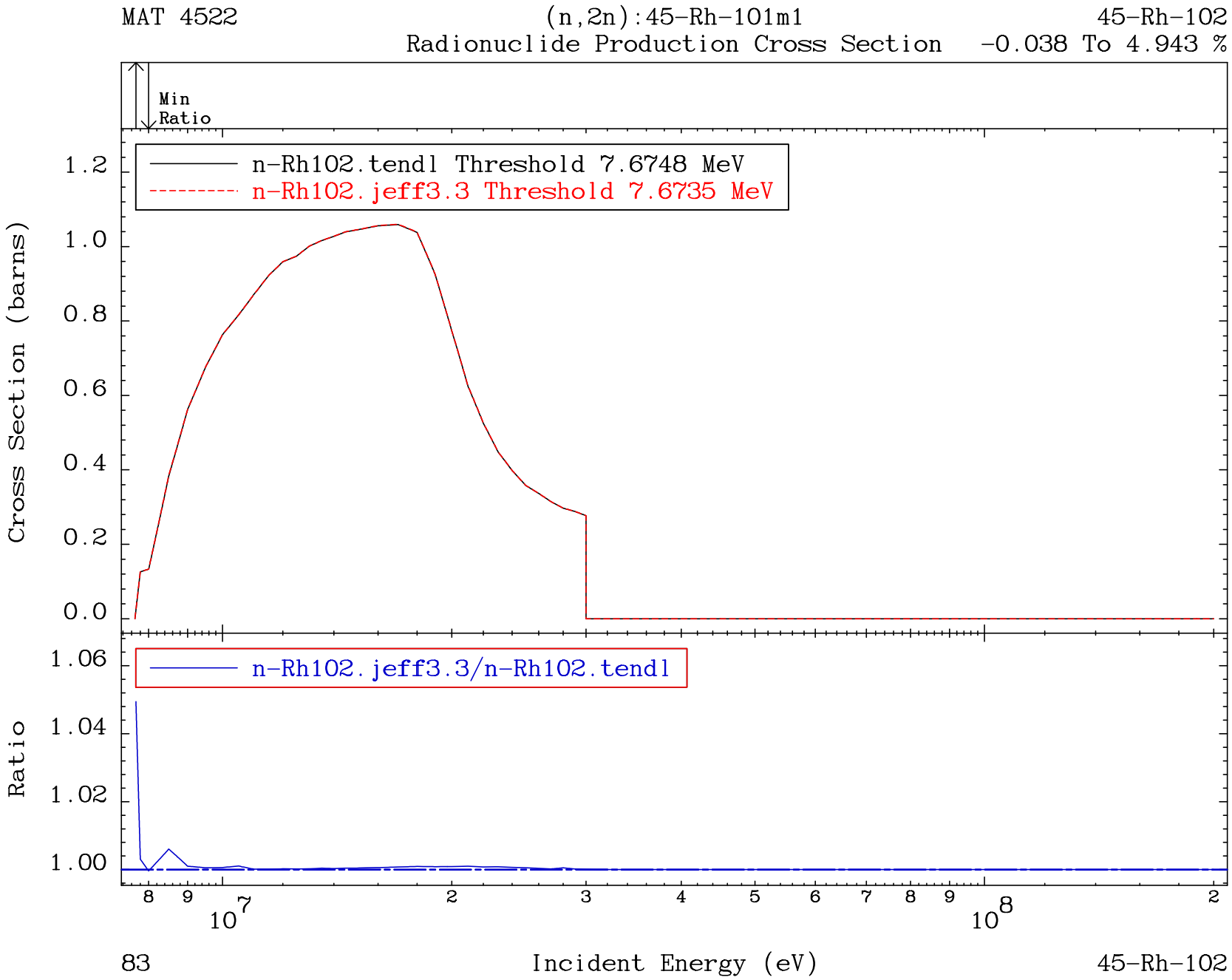

MAT 4522
Dpa inelastic (mt51-91)
Cross Section
45-Rh-102
-0.198 To 0.002 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 42.355 keV
n-Rh102.jeff3.3 Threshold 42.355 keV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
10^-12
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
78
Incident Energy (eV)
45-Rh-102

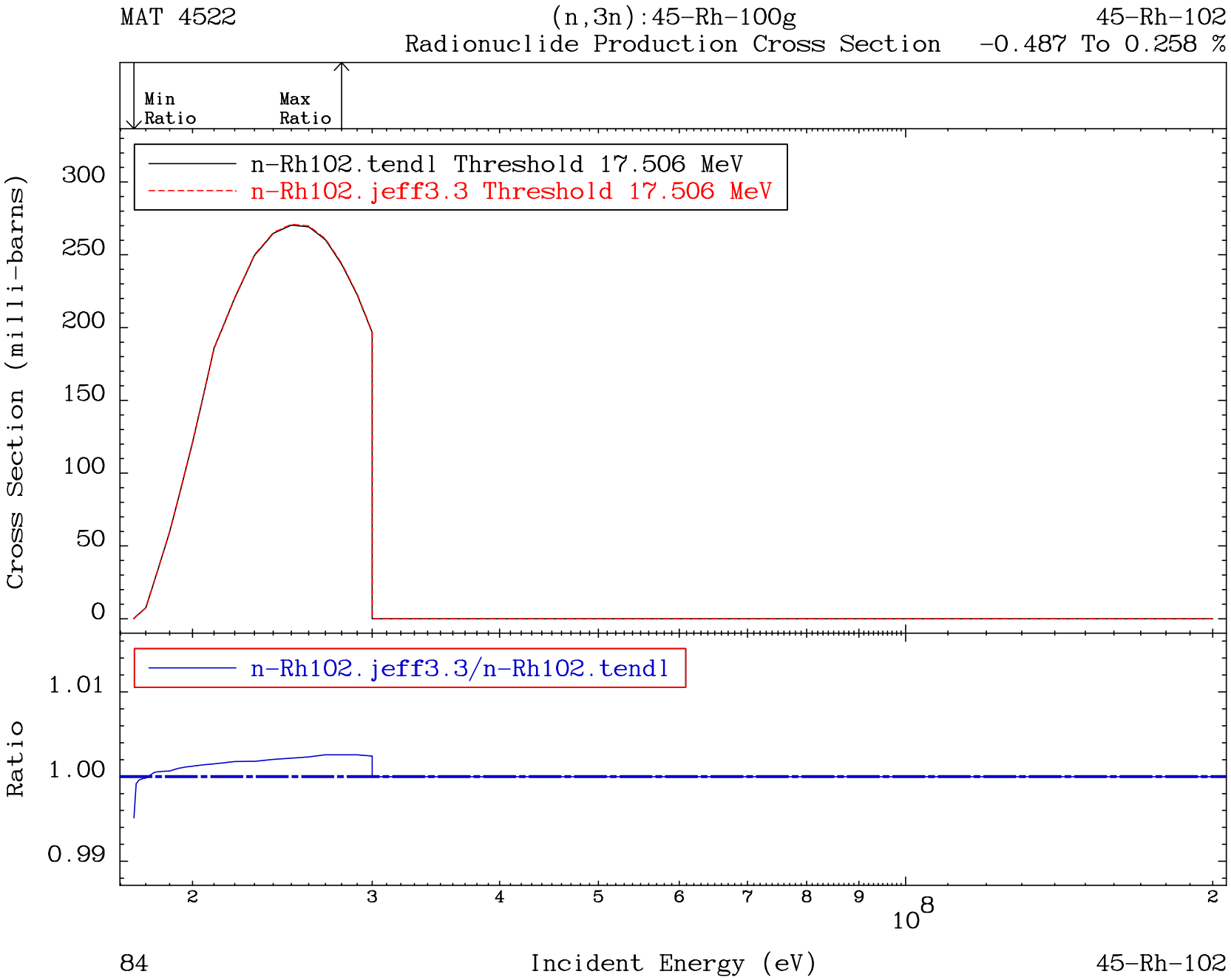

MAT 4522
Dpa disappearance (mt102 -120)
Cross Section
45-Rh-102
-54.61 To 5053. %
Max Ratio
Min Ratio
n-Rh102.tendl
n-Rh102.jeff3.3
Cross Section (barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
79
45-Rh-102

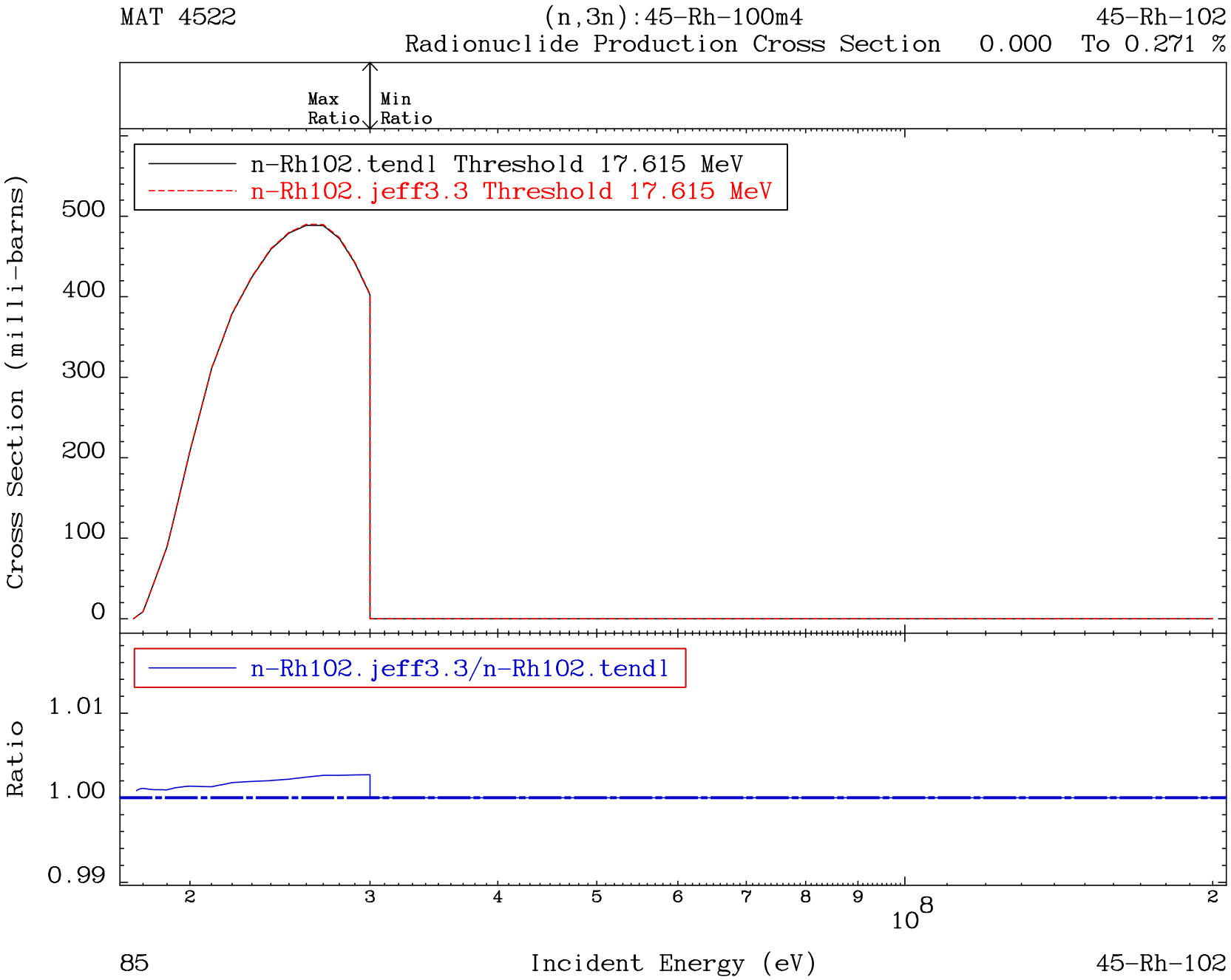

MAT 4522
Inelastic:45-Rh-102g
45-Rh-102
Radionuclide Production Cross Section
-0.197 To 0.003 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 42.355 keV
n-Rh102.jeff3.3 Threshold 42.355 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
80
Incident Energy (eV)
45-Rh-102

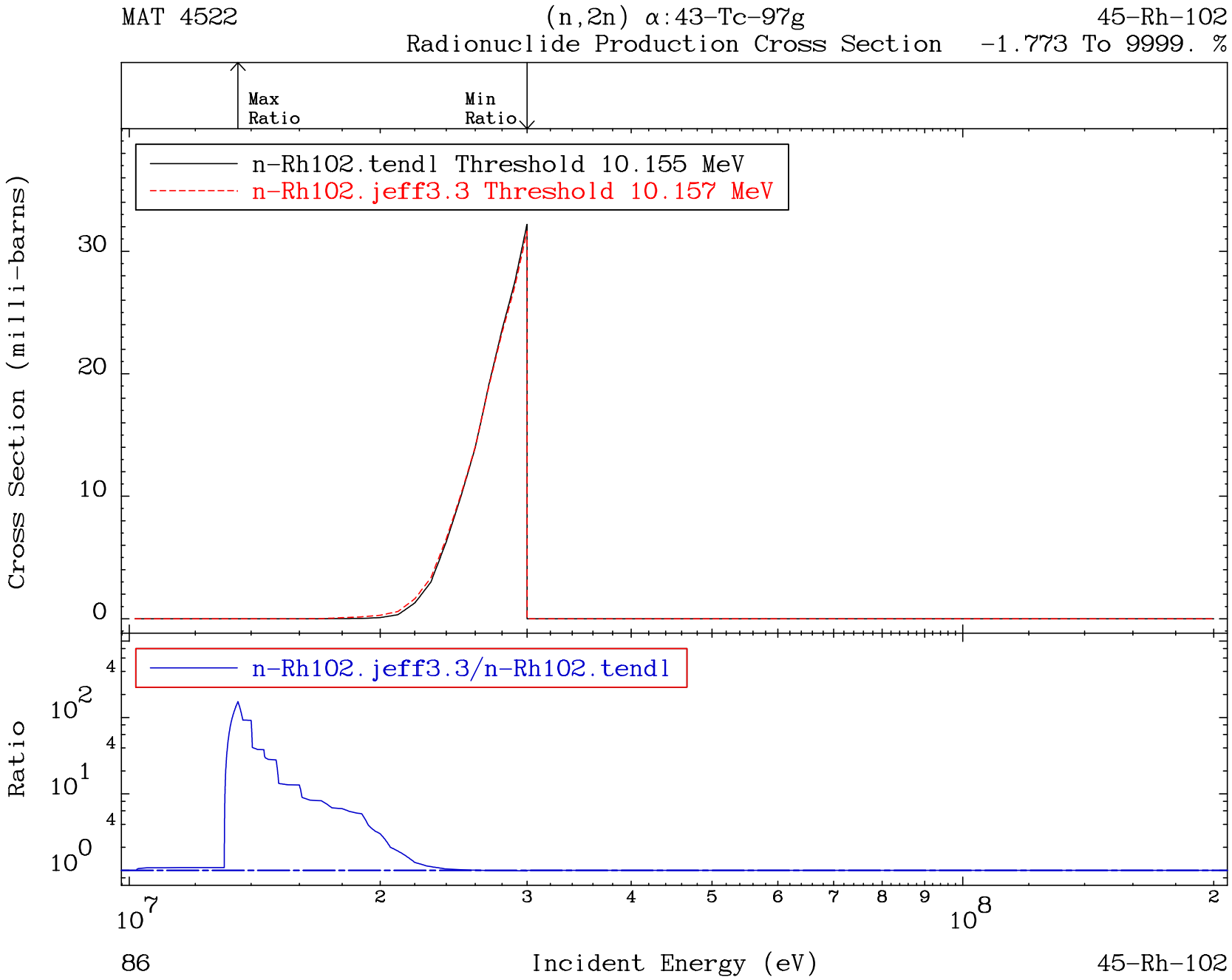

MAT 4522
Inelastic:45-Rh-102m5
45-Rh-102
Radionuclide Production Cross Section
-0.190 To 0.005 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 142.12 keV
n-Rh102.jeff3.3 Threshold 142.12 keV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
81
Incident Energy (eV)
45-Rh-102

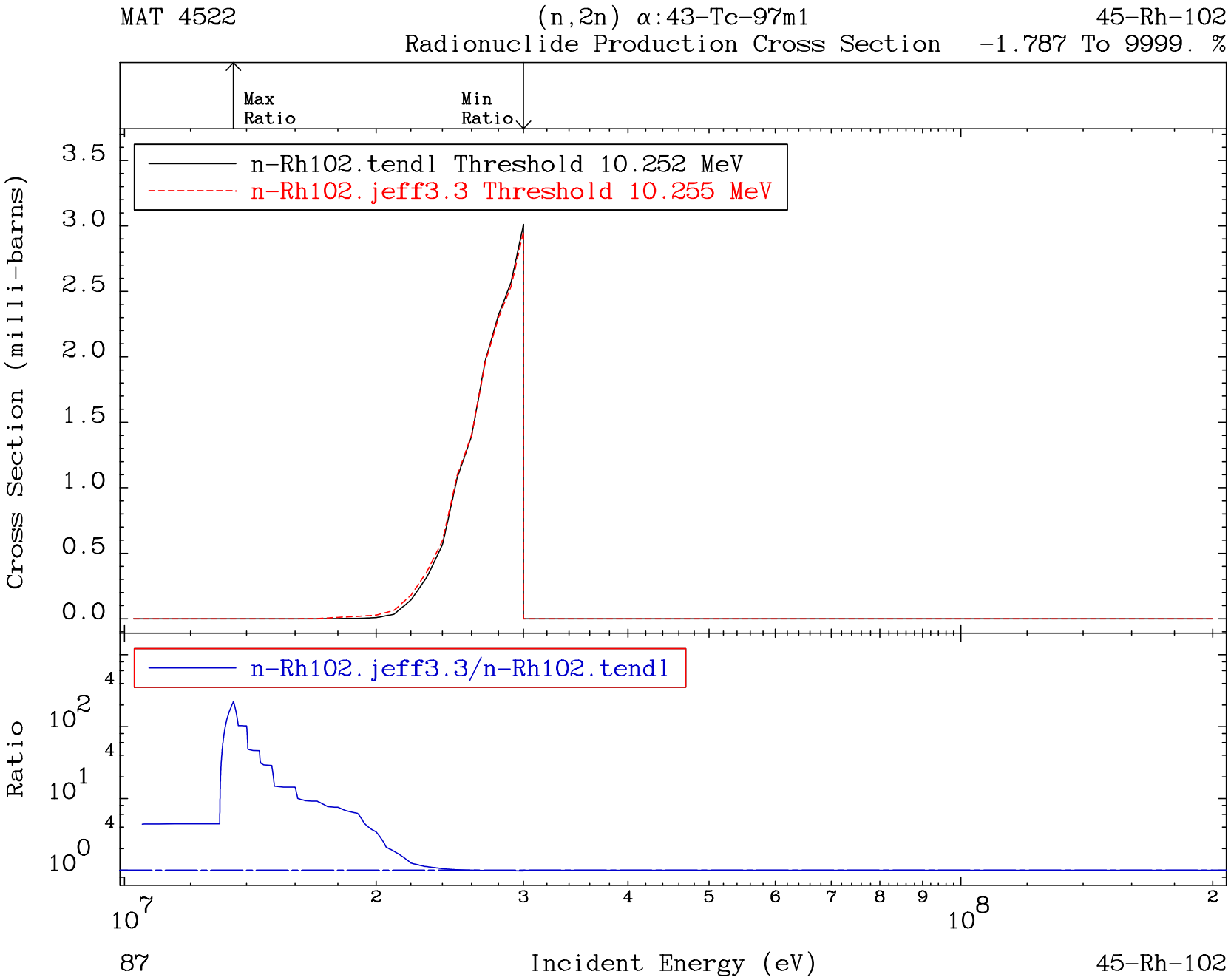

MAT 4522
(n,2n):45-Rh-101g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 0.607 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 7.5159 MeV
n-Rh102.jeff3.3 Threshold 7.5146 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
82
Incident Energy (eV)
45-Rh-102

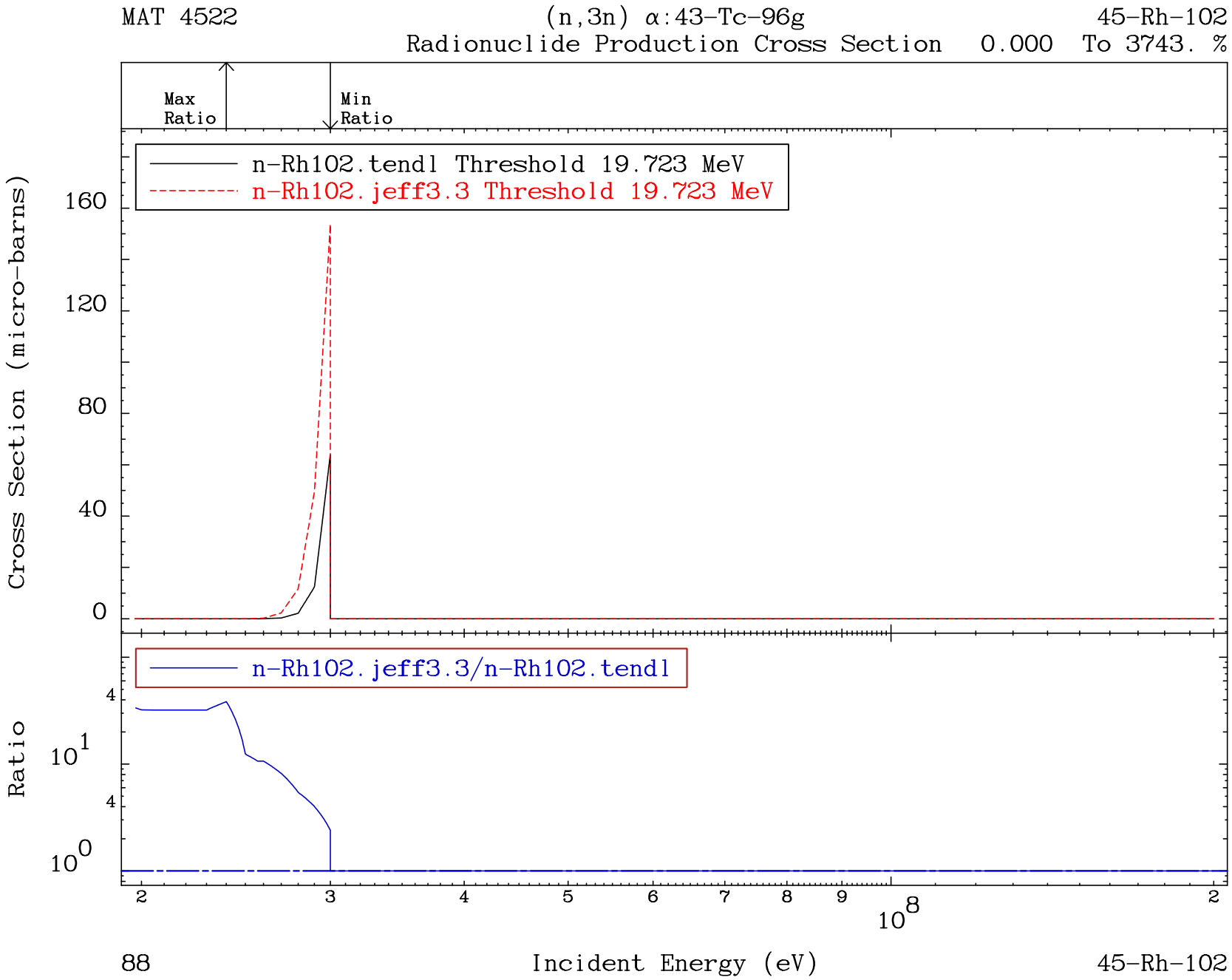

MAT 4522
(n,2n):45-Rh-101m1
45-Rh-102
Radionuclide Production Cross Section
-0.038 To 4.943 %
Min Ratio
n-Rh102.tendl Threshold 7.6748 MeV
n-Rh102.jeff3.3 Threshold 7.6735 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.06
1.04
1.02
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
83
Incident Energy (eV)
45-Rh-102

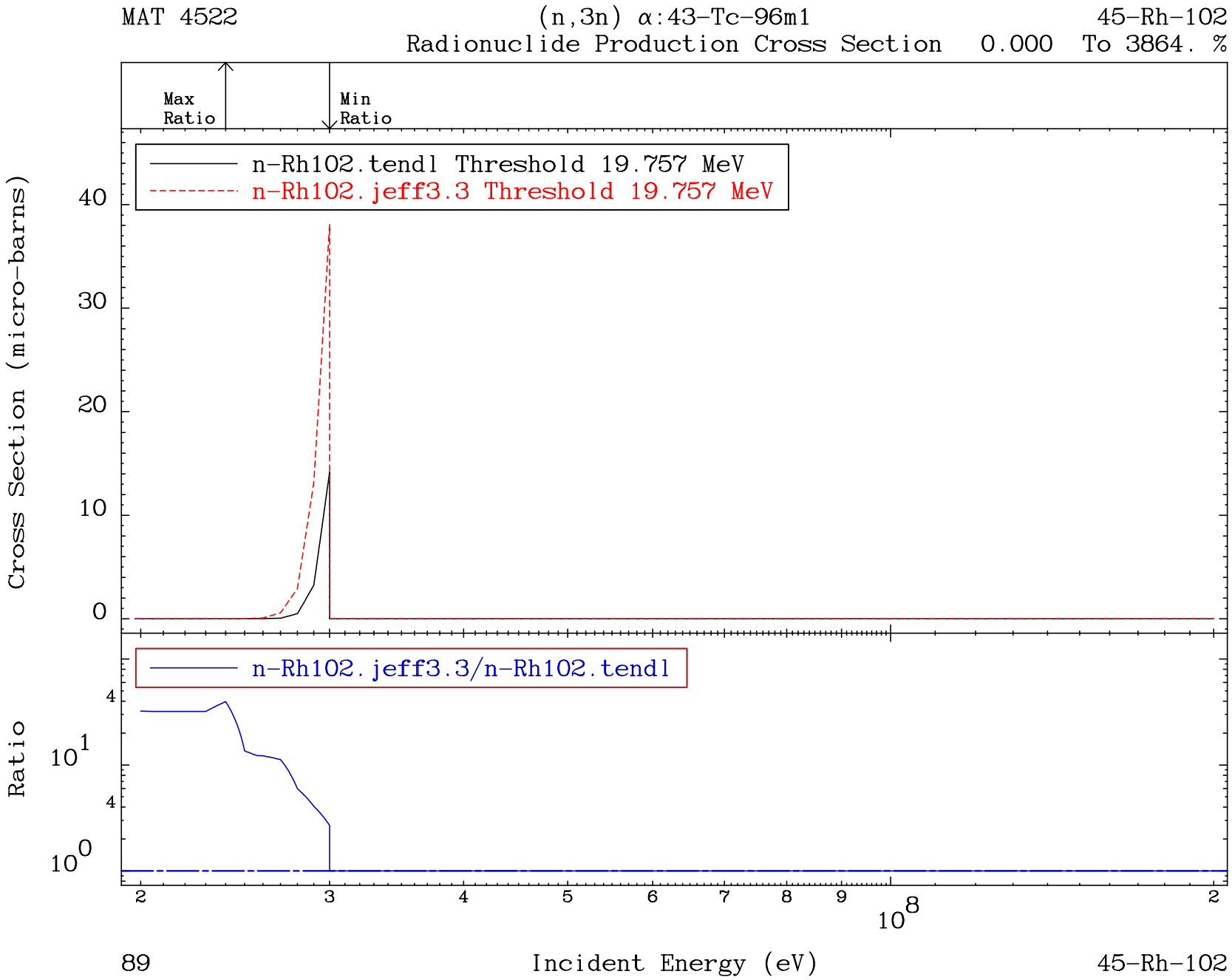

MAT 4522
(n,3n):45-Rh-100g
45-Rh-102
Radionuclide Production Cross Section
-0.487 To 0.258 %
Min Ratio
Max Ratio
n-Rh102.tendl Threshold 17.506 MeV
n-Rh102.jeff3.3 Threshold 17.506 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
45-Rh-102

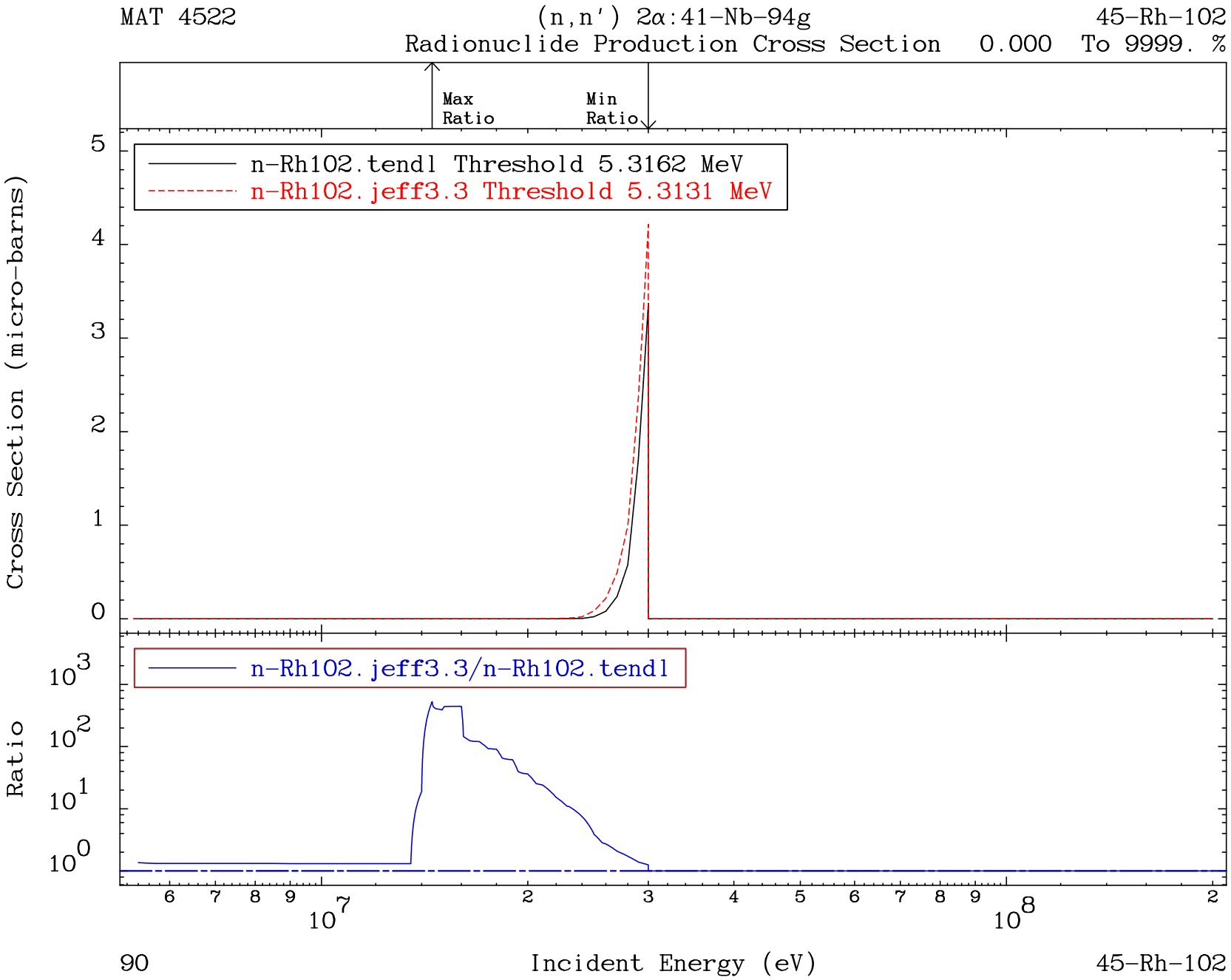

MAT 4522
(n,3n):45-Rh-100m4
45-Rh-102
Radionuclide Production Cross Section 0.000 To 0.271 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 17.615 MeV
n-Rh102.jeff3.3 Threshold 17.615 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
45-Rh-102

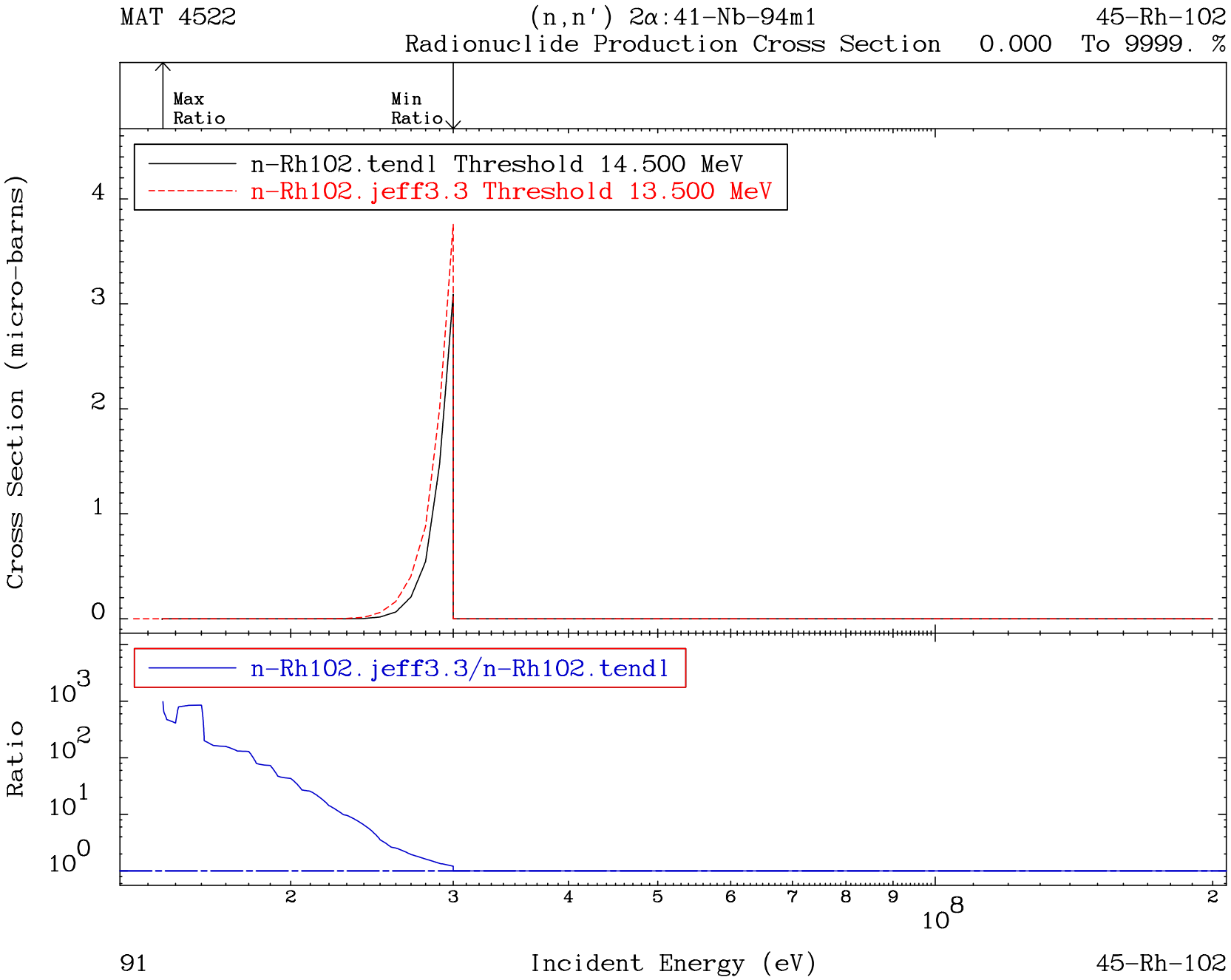

MAT 4522
(n,2n) α:43-Tc-97g
45-Rh-102
Radionuclide Production Cross Section -1.773 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 10.155 MeV
n-Rh102.jeff3.3 Threshold 10.157 MeV
Cross Section (milli-barns)
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^1
10^0
4
4
4
10^7
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
45-Rh-102

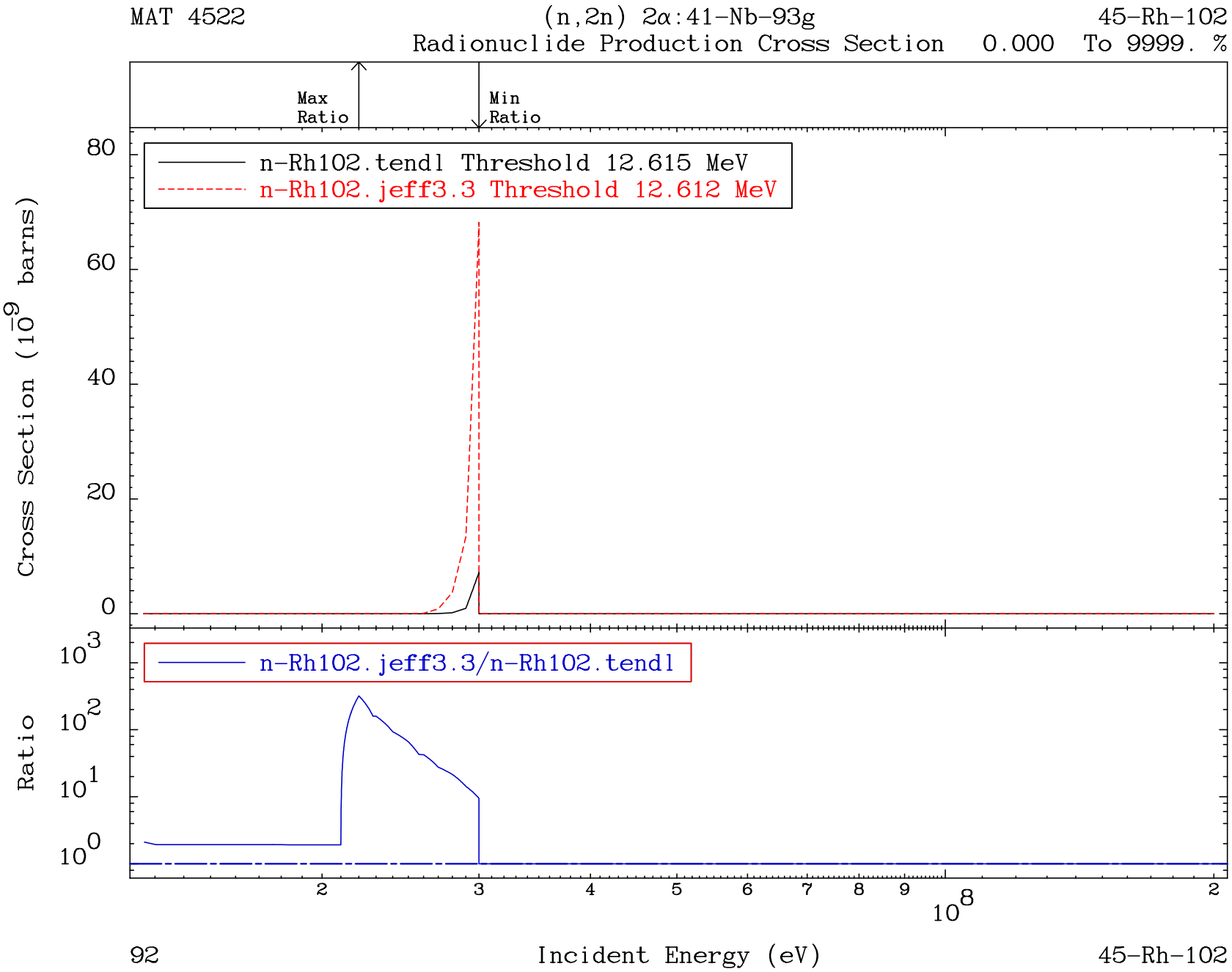

MAT 4522
(n,2n) α:43-Tc-97m1
45-Rh-102
Radionuclide Production Cross Section -1.787 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 10.252 MeV
n-Rh102.jeff3.3 Threshold 10.255 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
45-Rh-102

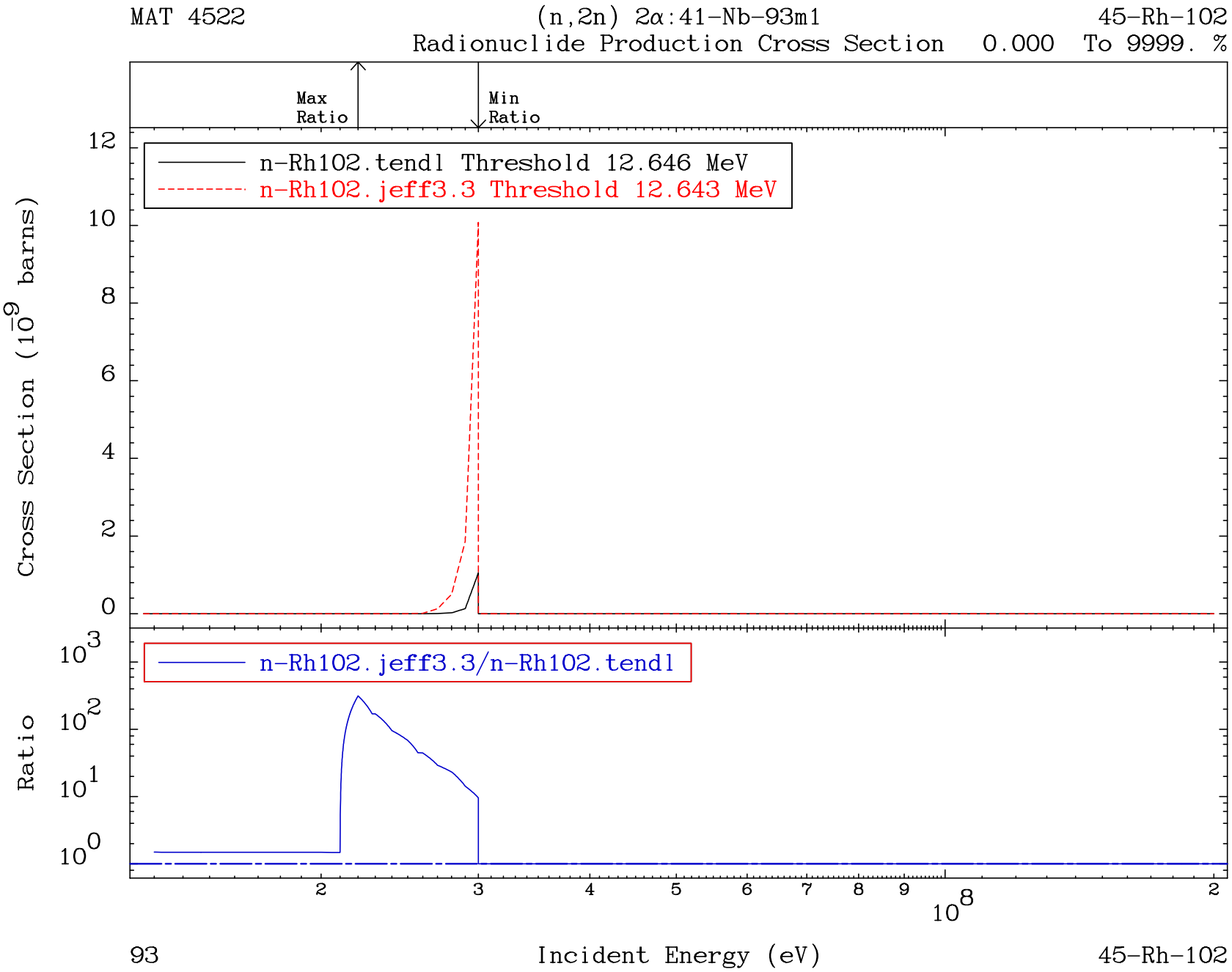

MAT 4522
(n,3n) α:43-Tc-96g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 3743. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 19.723 MeV
n-Rh102.jeff3.3 Threshold 19.723 MeV
Cross Section (micro-barns)
160
120
80
40
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^1
4
4
10^0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
45-Rh-102

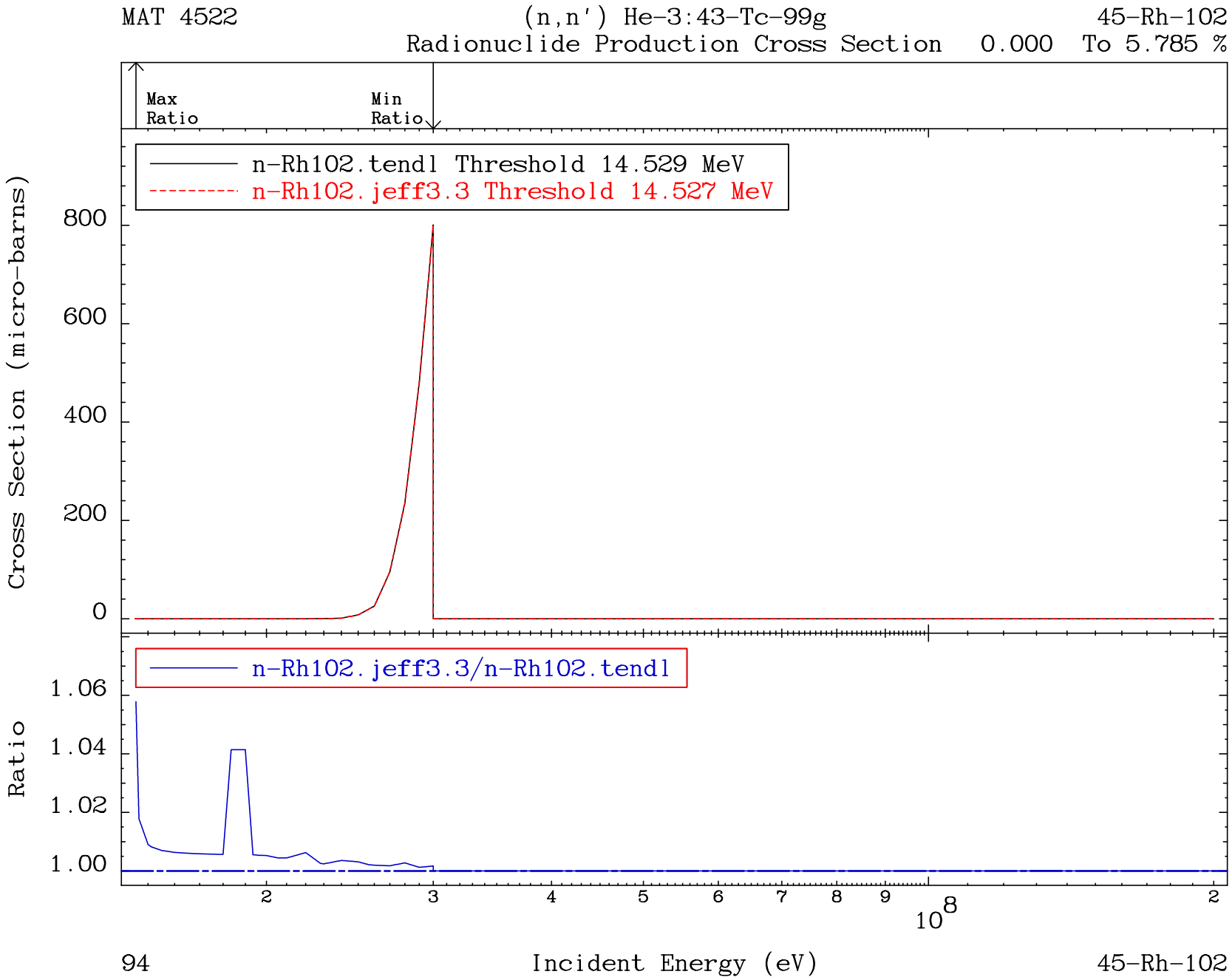

MAT 4522
(n,3n) α:43-Tc-96m1
45-Rh-102
Radionuclide Production Cross Section 0.000 To 3864. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 19.757 MeV
n-Rh102.jeff3.3 Threshold 19.757 MeV
Cross Section (micro-barns)
40
30
20
10
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^1
4
4
10^0
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
45-Rh-102

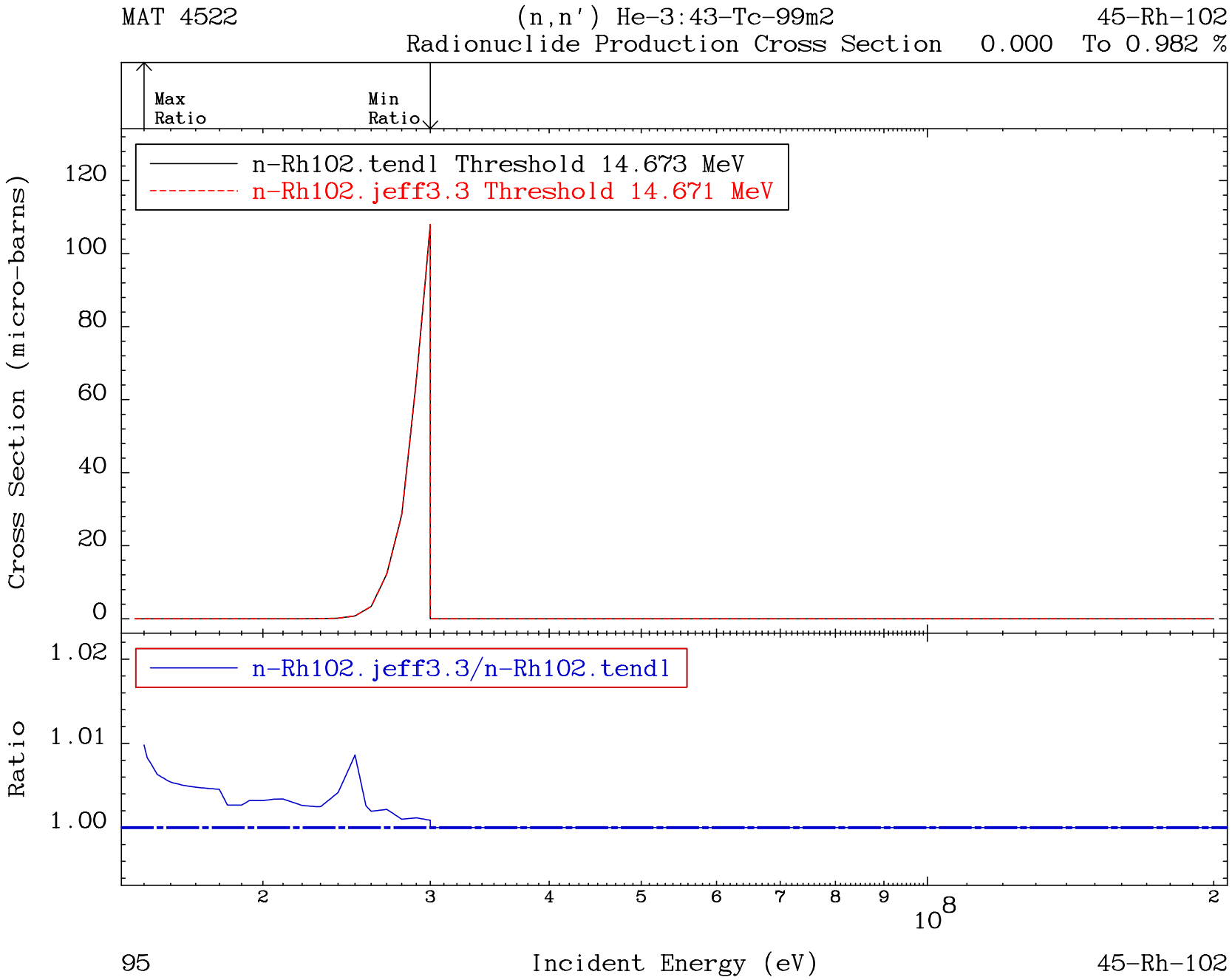

MAT 4522
(n,n') 2α:41-Nb-94g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 5.3162 MeV
n-Rh102.jeff3.3 Threshold 5.3131 MeV
Cross Section (micro-barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
90
45-Rh-102

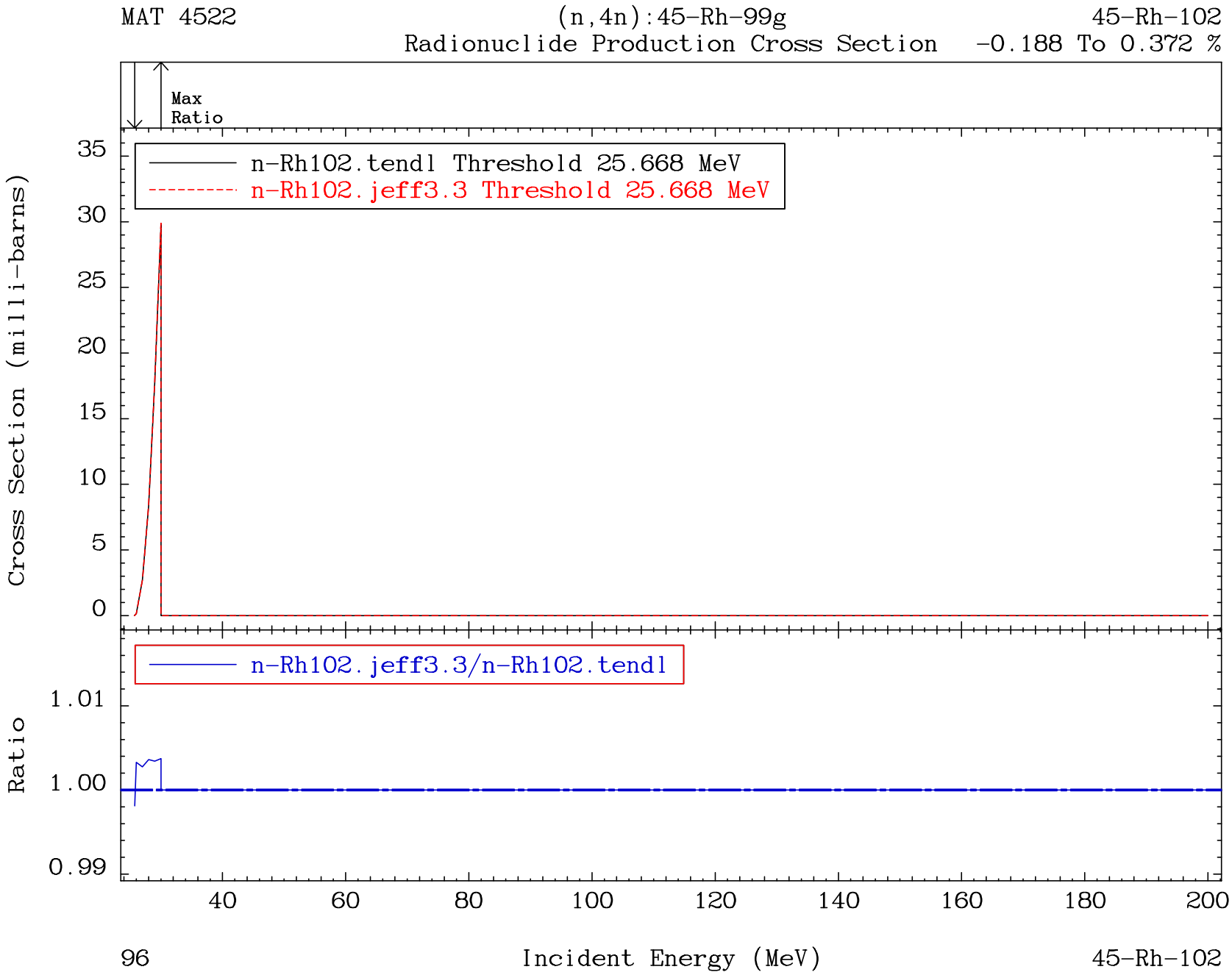

MAT 4522
(n,n') 2α:41-Nb-94m1
45-Rh-102
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 14.500 MeV
n-Rh102.jeff3.3 Threshold 13.500 MeV
Cross Section (micro-barns)
0
1
2
3
4
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^0
10^1
10^2
10^3
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
45-Rh-102

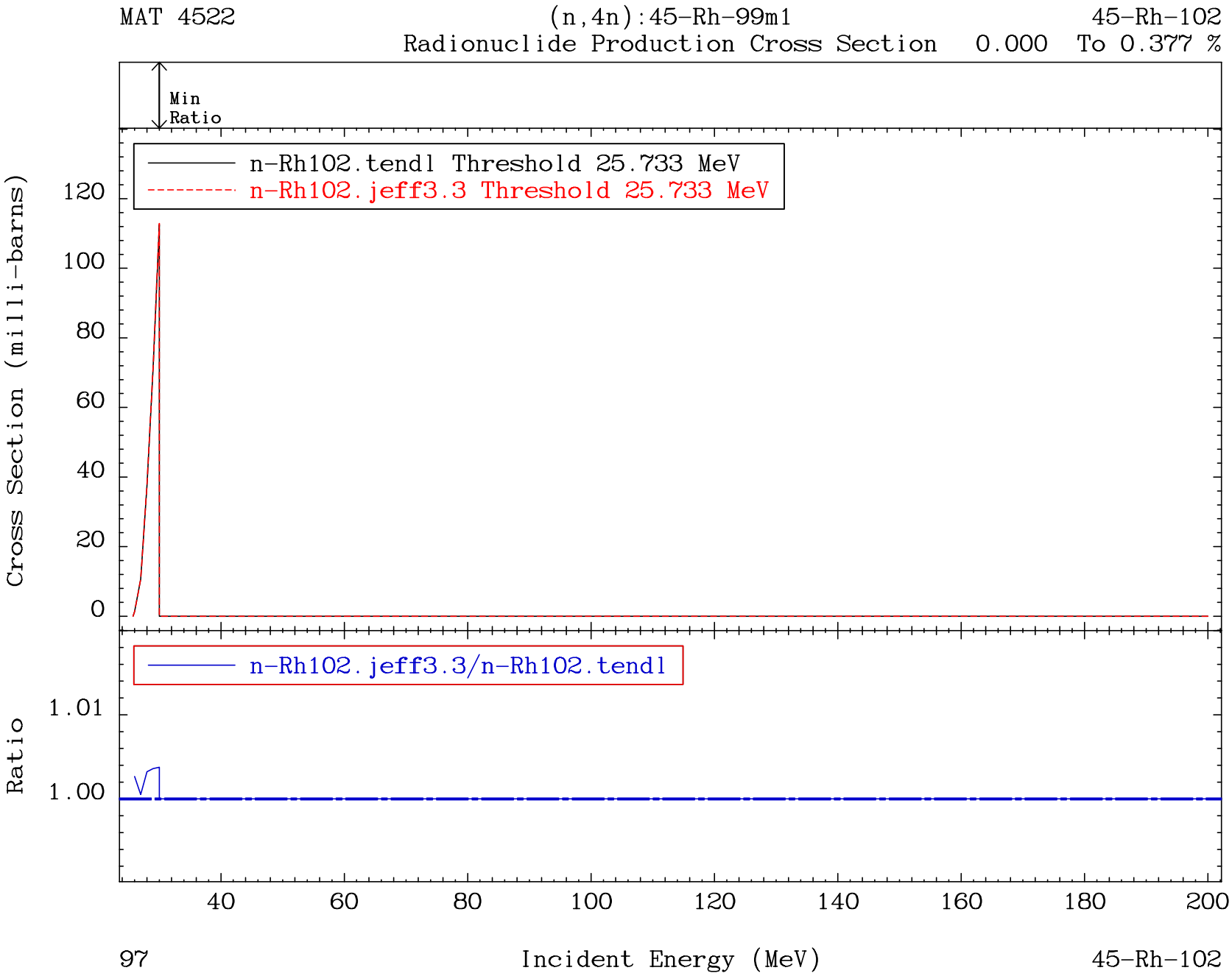

MAT 4522
(n,2n) 2α:41-Nb-93g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 12.615 MeV
n-Rh102.jeff3.3 Threshold 12.612 MeV
Cross Section (10^{-9} barns)
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
10^{3}
10^{2}
10^{1}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
92
Incident Energy (eV)
45-Rh-102

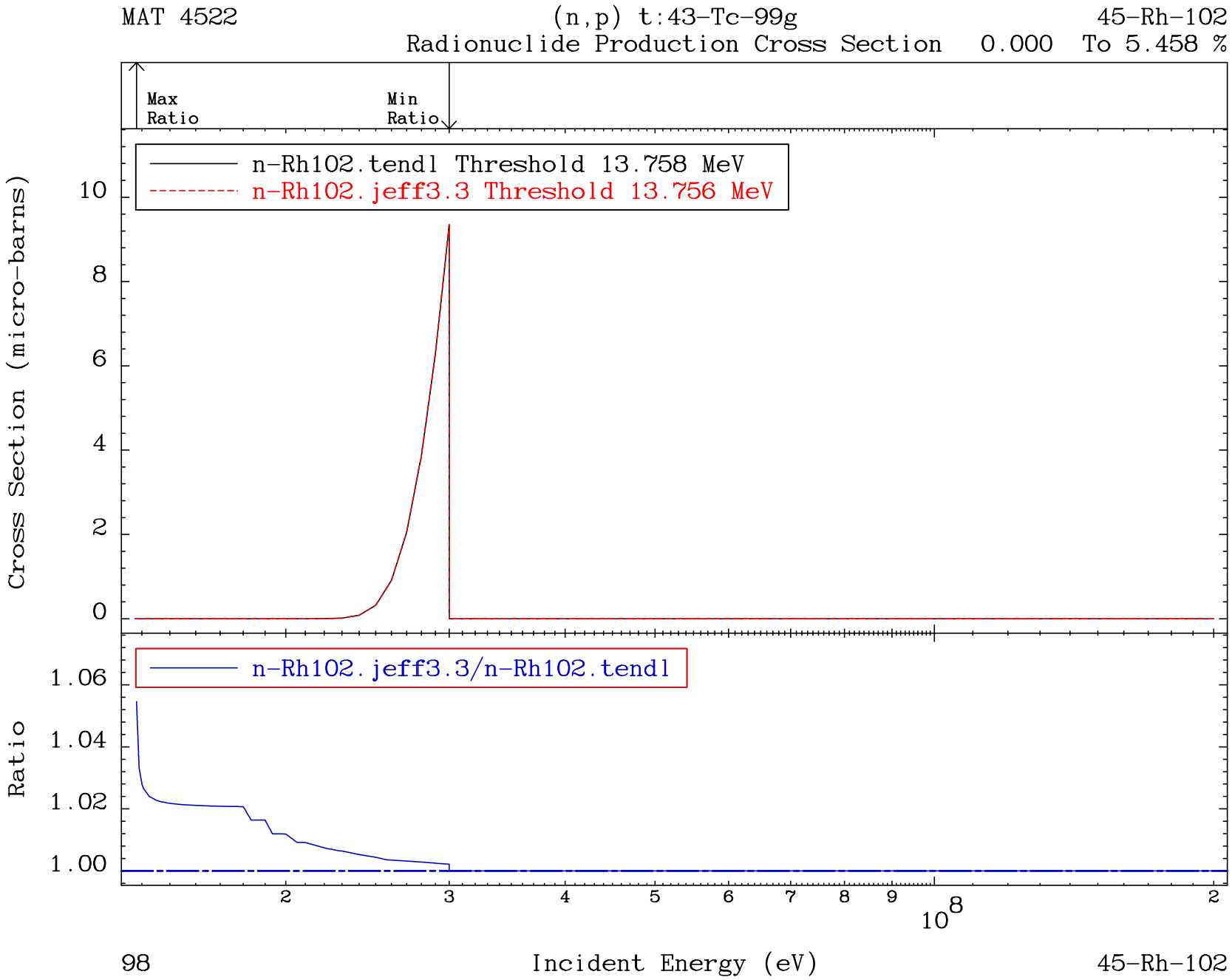

MAT 4522
(n,2n) 2α:41-Nb-93m1
45-Rh-102
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 12.646 MeV
n-Rh102.jeff3.3 Threshold 12.643 MeV
Cross Section (10^{-9} barns)
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
Incident Energy (eV)
93
45-Rh-102

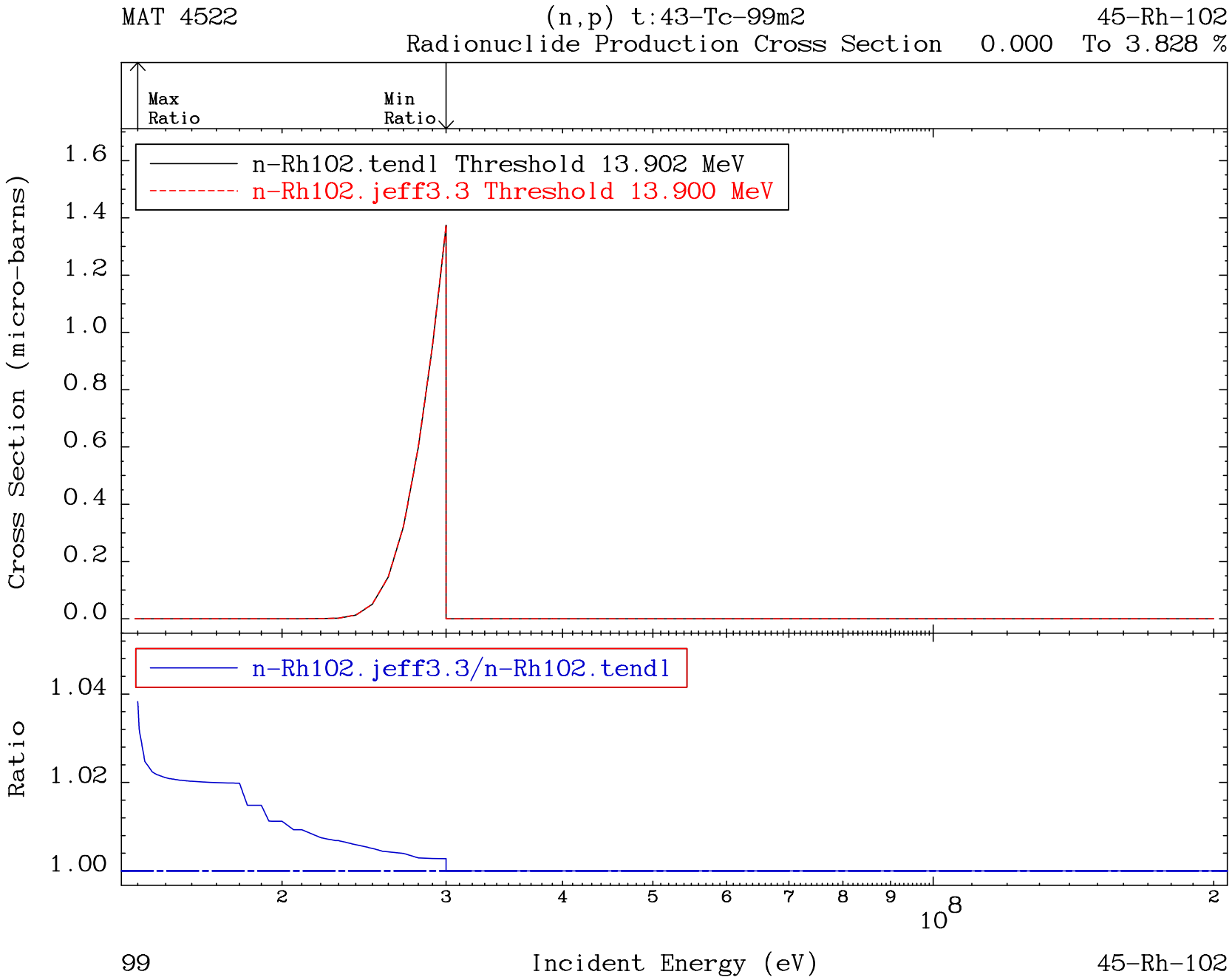

MAT 4522
(n,n') He-3:43-Tc-99g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 5.785 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 14.529 MeV
n-Rh102.jeff3.3 Threshold 14.527 MeV
Cross Section (micro-barns)
800
600
400
200
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
45-Rh-102


MAT 4522
(n,n') He-3:43-Tc-99m2
45-Rh-102
Radionuclide Production Cross Section 0.000 To 0.982 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 14.673 MeV
n-Rh102.jeff3.3 Threshold 14.671 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
45-Rh-102


MAT 4522
(n,4n):45-Rh-99g
45-Rh-102
Radionuclide Production Cross Section
-0.188 To 0.372 %
Max
Ratio
n-Rh102.tendl Threshold 25.668 MeV
n-Rh102.jeff3.3 Threshold 25.668 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
96
Incident Energy (MeV)
45-Rh-102


MAT 4522
(n,4n):45-Rh-99m1
45-Rh-102
Radionuclide Production Cross Section 0.000 To 0.377 %
Min Ratio
n-Rh102.tendl Threshold 25.733 MeV
n-Rh102.jeff3.3 Threshold 25.733 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.01
1.00
40
60
80
100
120
140
160
180
200
97
Incident Energy (MeV)
45-Rh-102


MAT 4522
(n,p) t:43-Tc-99g
45-Rh-102
Radionuclide Production Cross Section 0.000 To 5.458 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 13.758 MeV
n-Rh102.jeff3.3 Threshold 13.756 MeV
Cross Section (micro-barns)
10
8
6
4
2
0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
98
Incident Energy (eV)
45-Rh-102


MAT 4522
(n,p) t:43-Tc-99m2
45-Rh-102
Radionuclide Production Cross Section 0.000 To 3.828 %
Max Ratio
Min Ratio
n-Rh102.tendl Threshold 13.902 MeV
n-Rh102.jeff3.3 Threshold 13.900 MeV
Cross Section (micro-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Rh102.jeff3.3/n-Rh102.tendl
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
99
Incident Energy (eV)
45-Rh-102