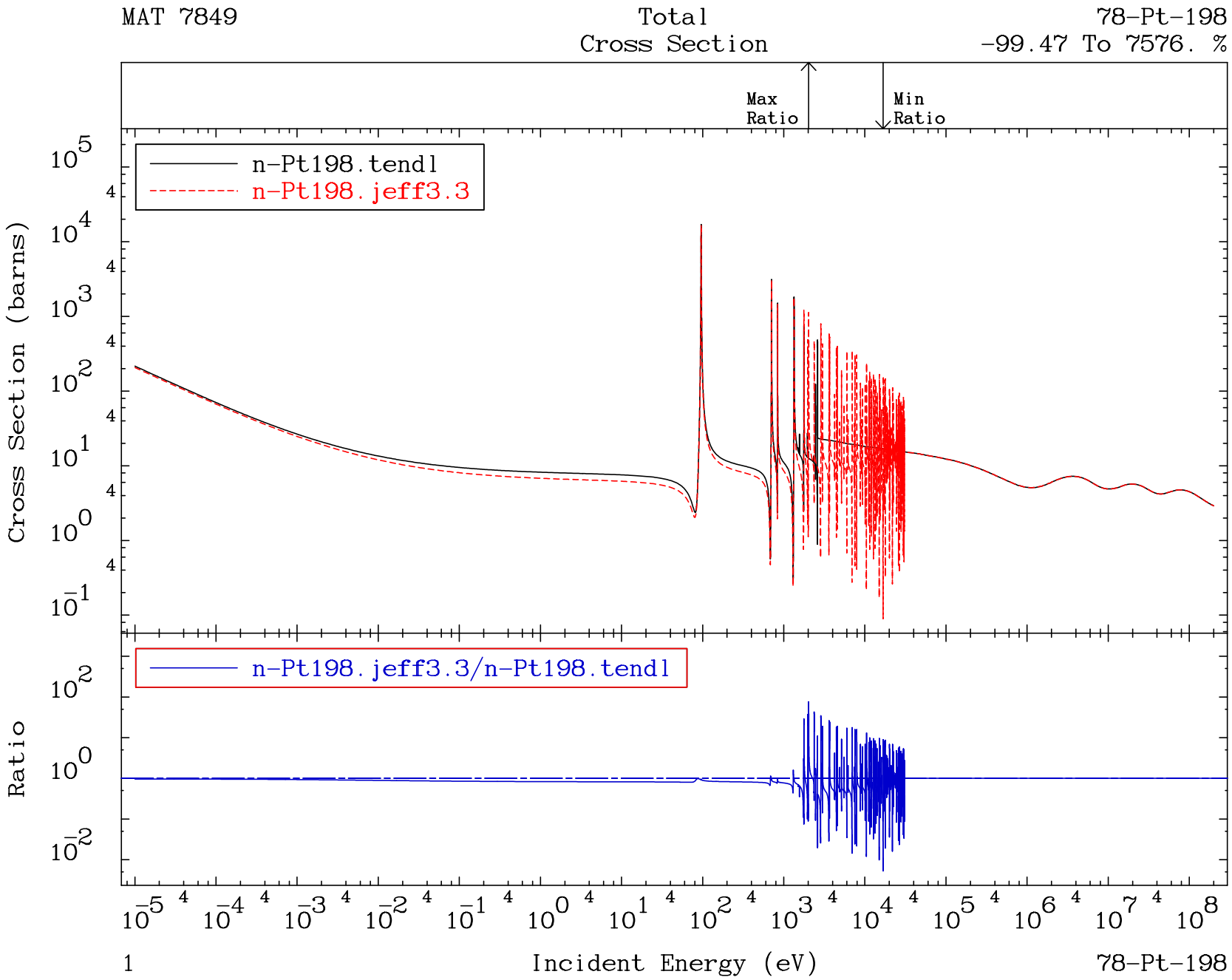
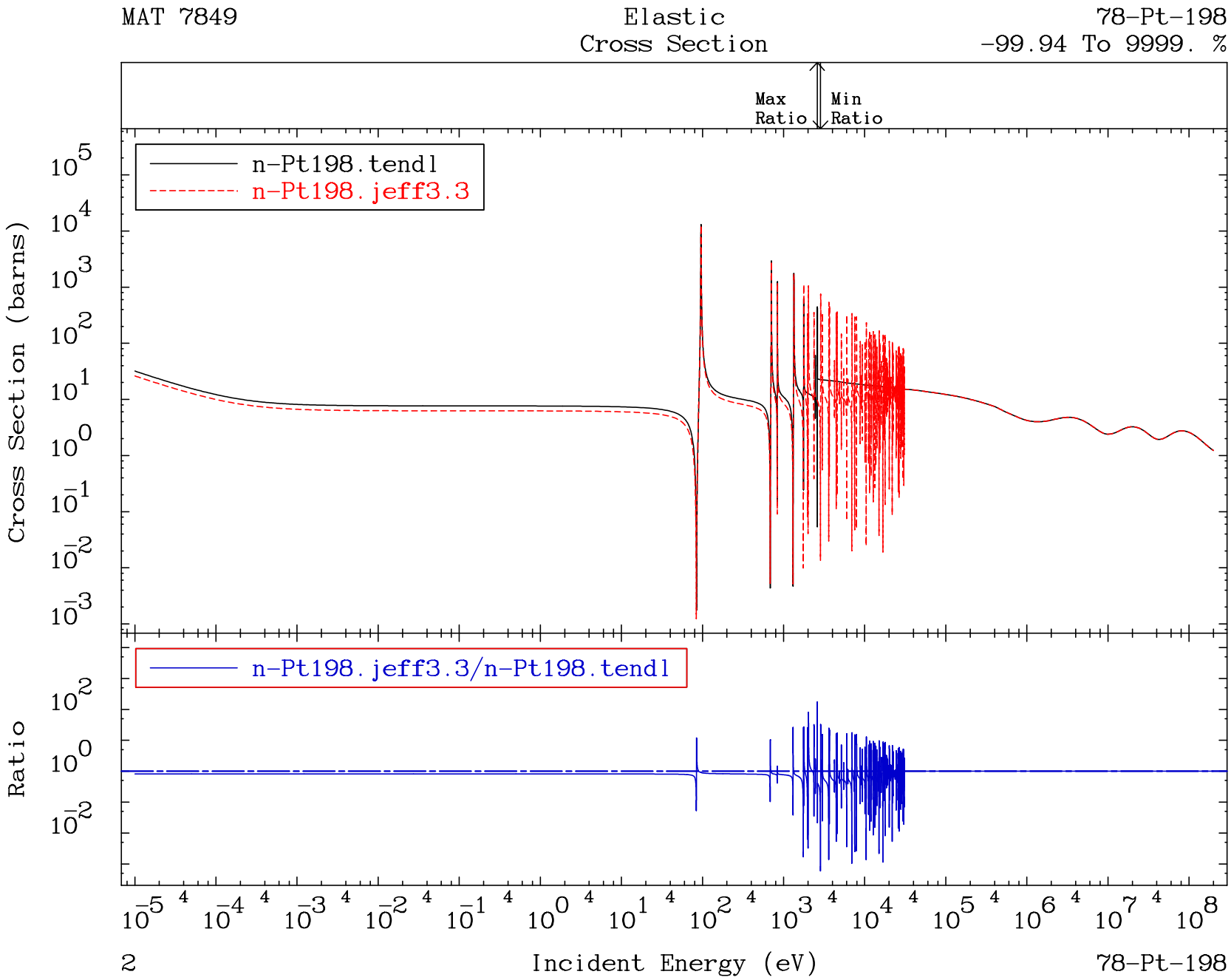
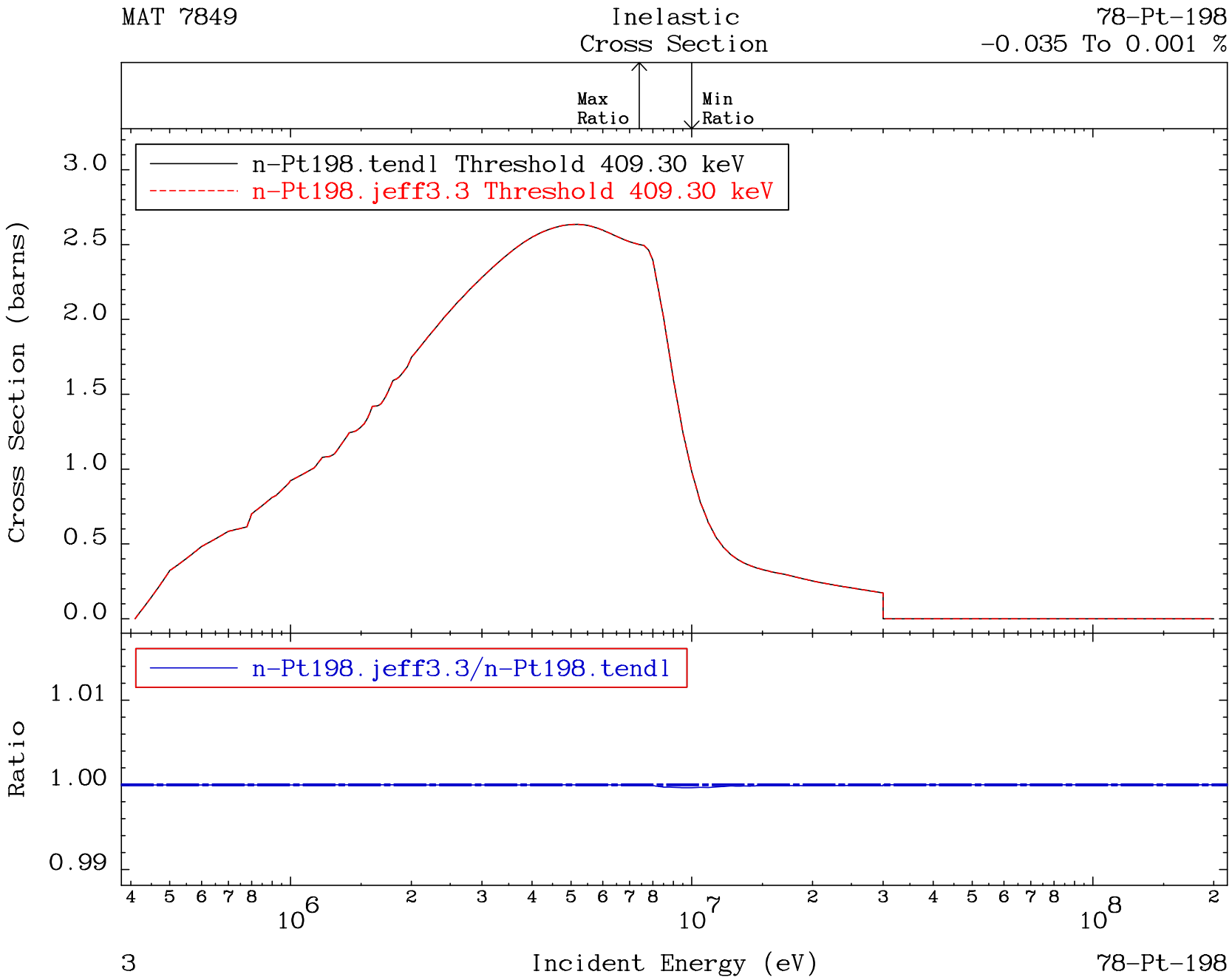
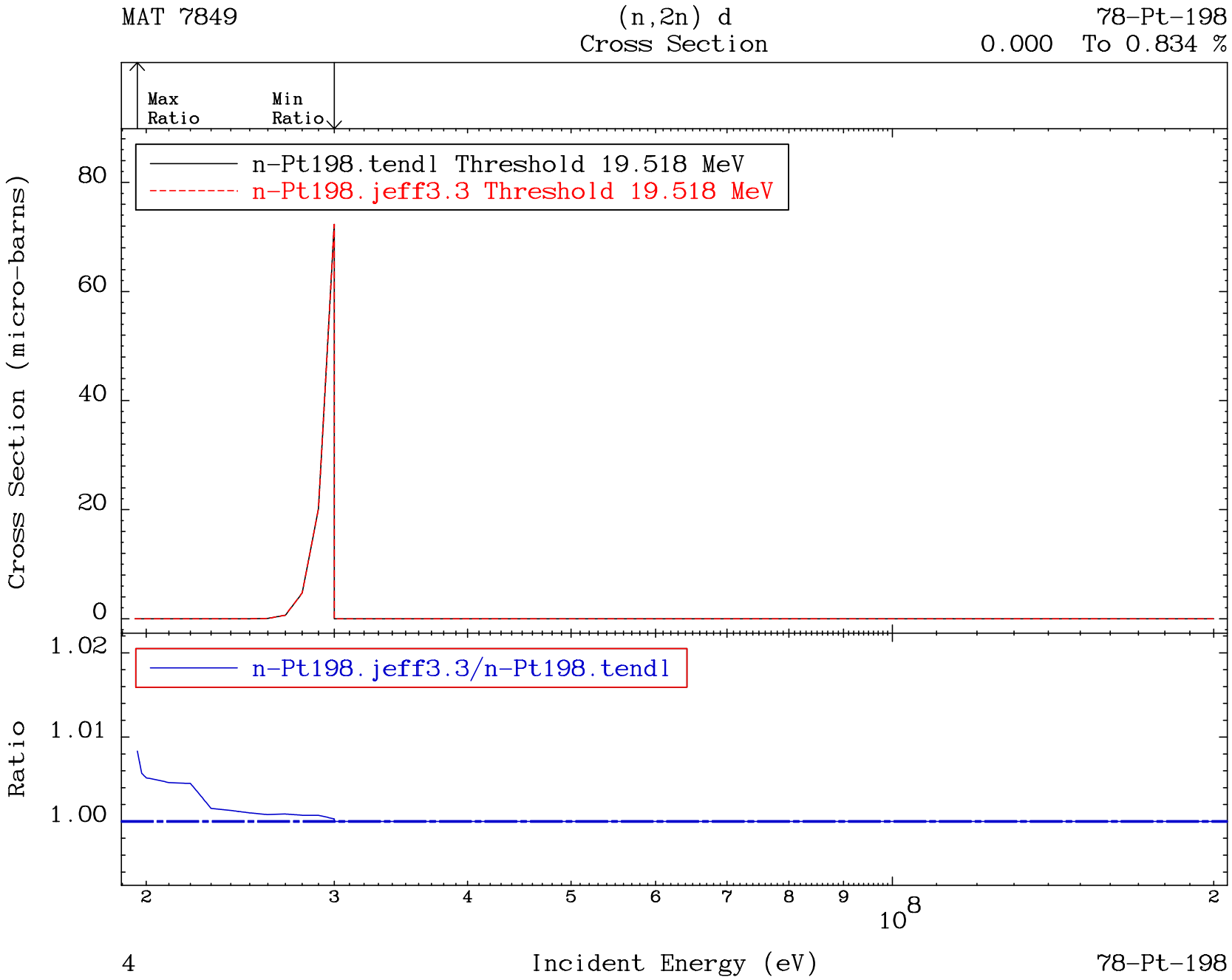
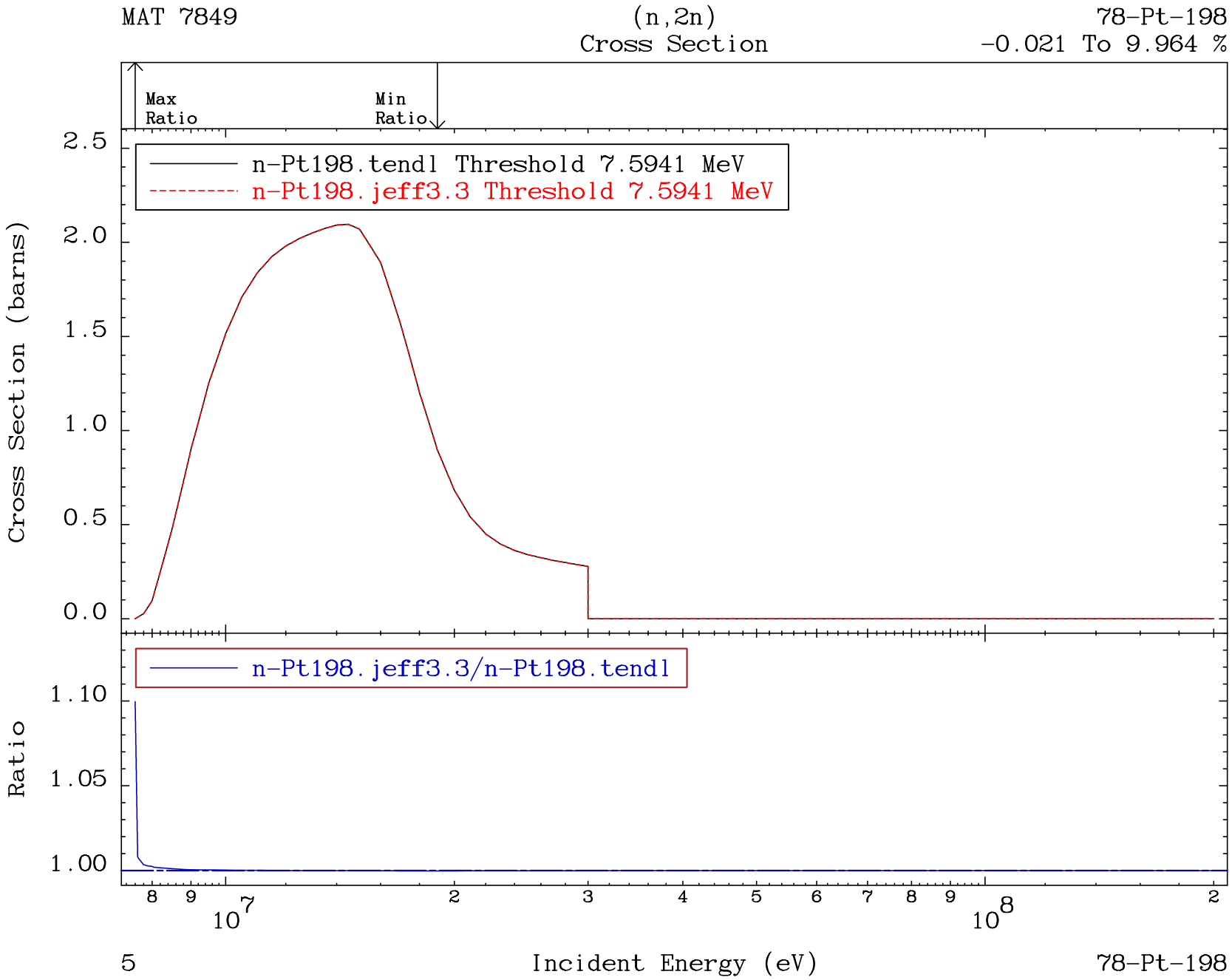
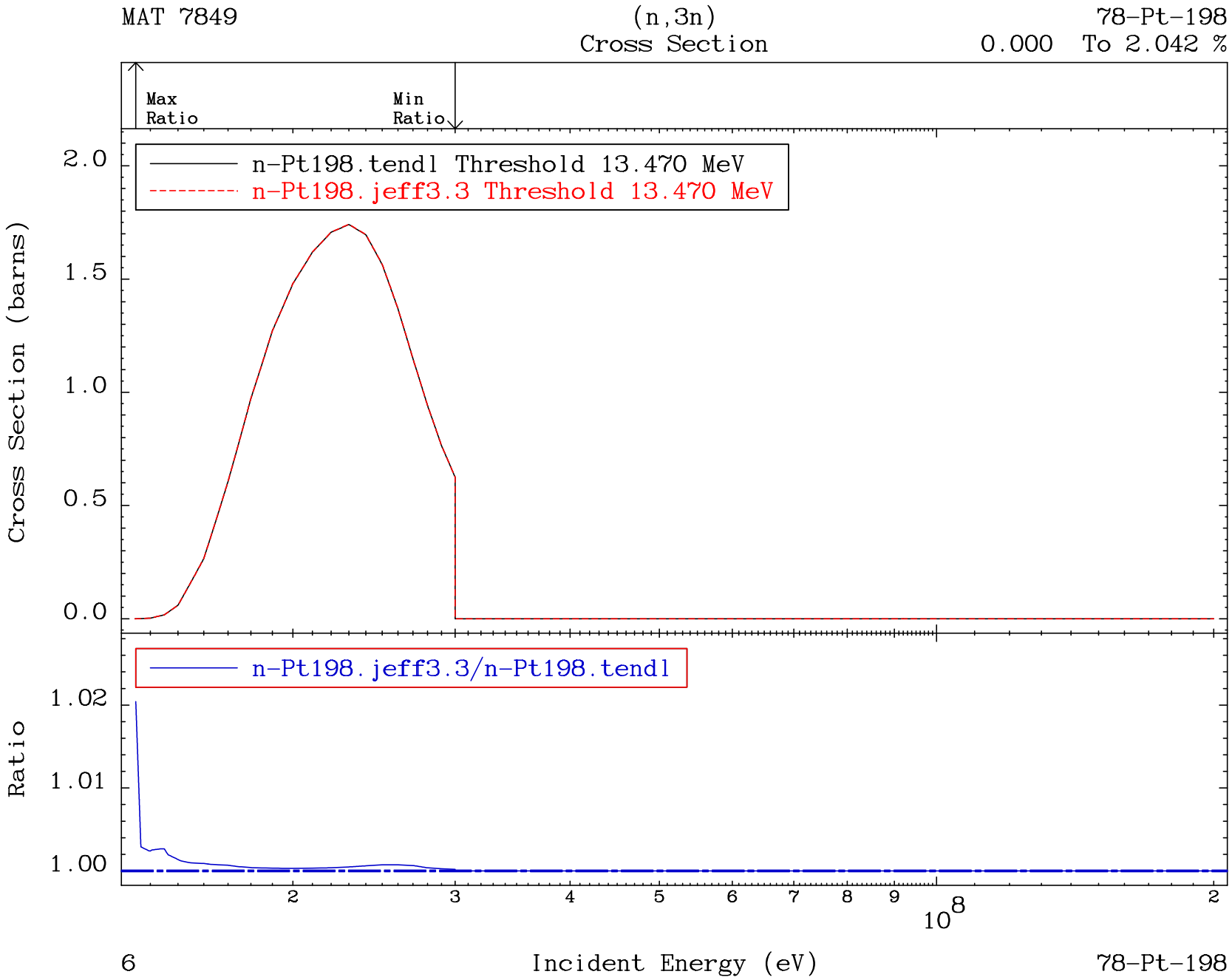

MAT 7849
Total
Cross Section
78-Pt-198
-99.47 To 7576. %
Max
Ratio
Min
Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
1
78-Pt-198

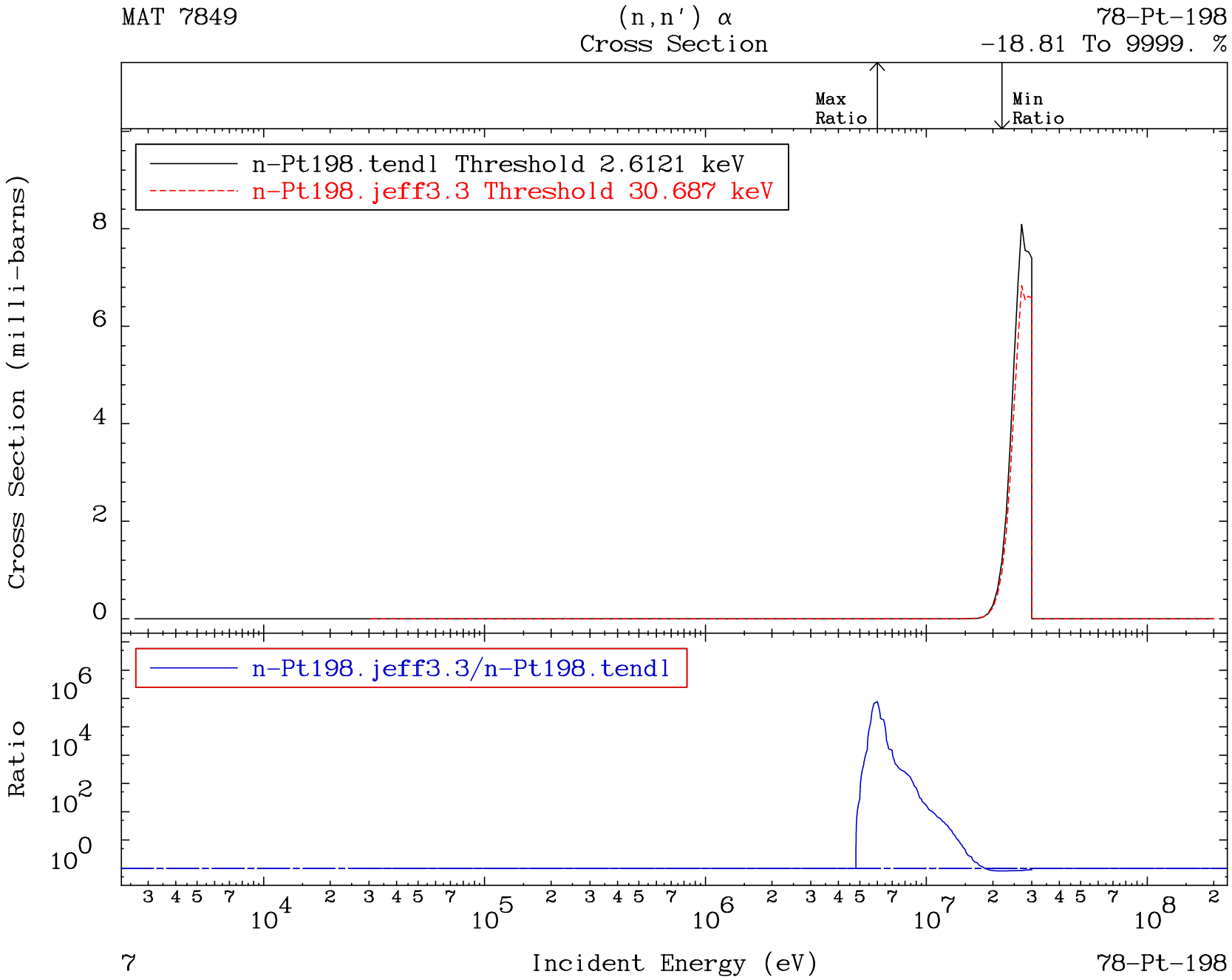

MAT 7849
Elastic
Cross Section
78-Pt-198
-99.94 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
2
78-Pt-198

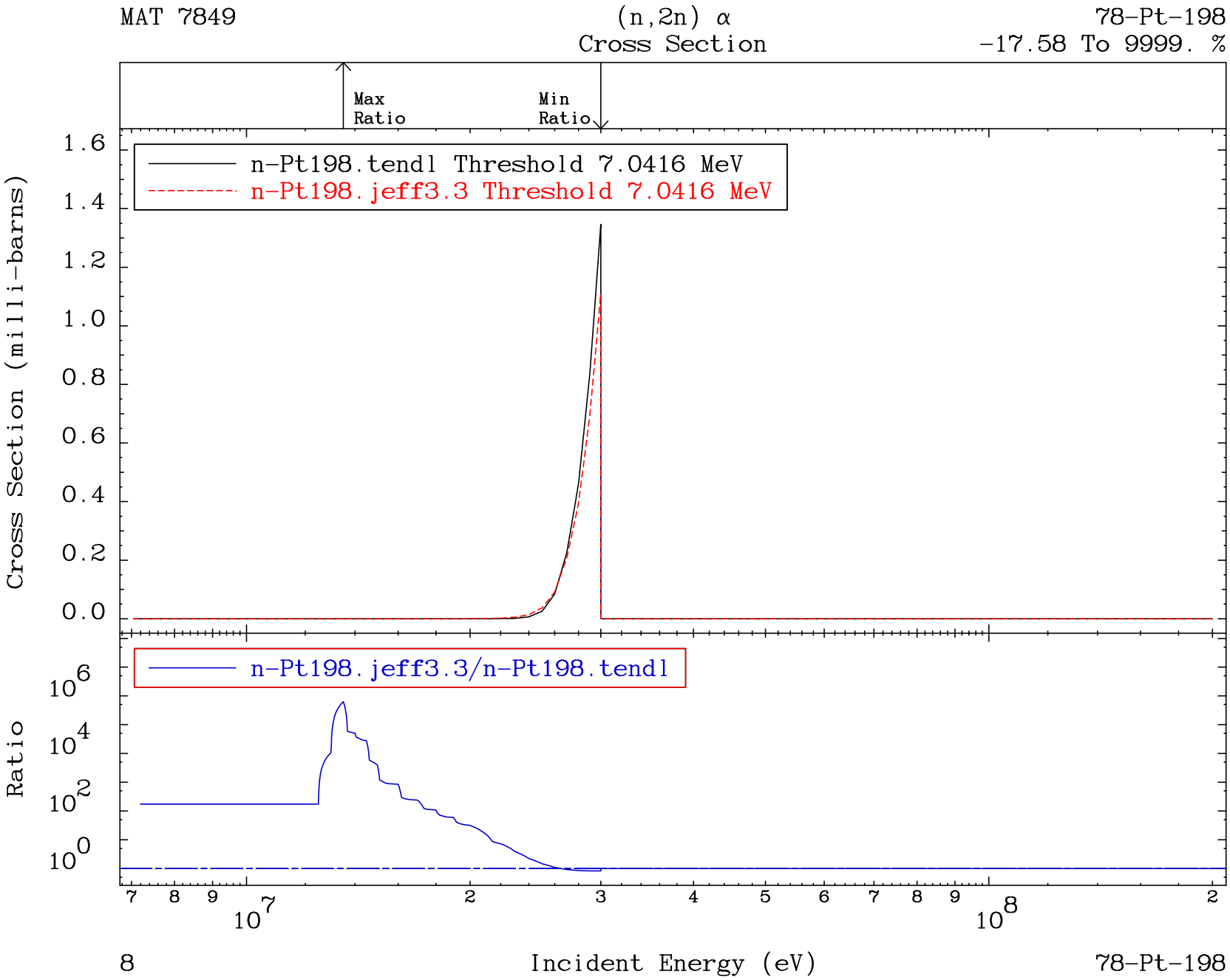

MAT 7849
Inelastic
Cross Section
78-Pt-198
-0.035 To 0.001 %
Max
Ratio
Min
Ratio
n-Pt198.tendl Threshold 409.30 keV
n-Pt198.jeff3.3 Threshold 409.30 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
78-Pt-198

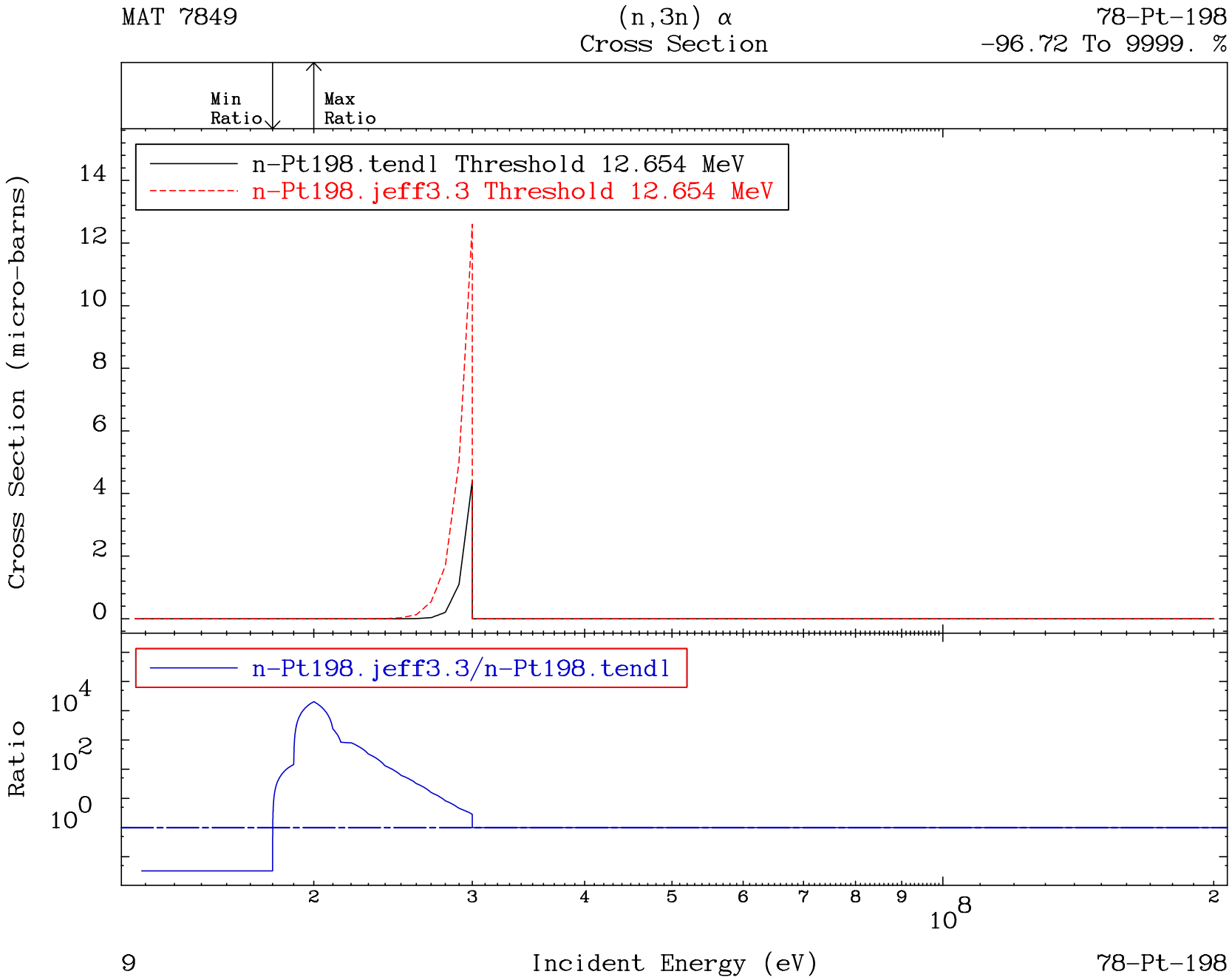

MAT 7849
(n,2n) d
Cross Section
78-Pt-198
0.000 To 0.834 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 19.518 MeV
n-Pt198.jeff3.3 Threshold 19.518 MeV
Cross Section (micro-barns)
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-198

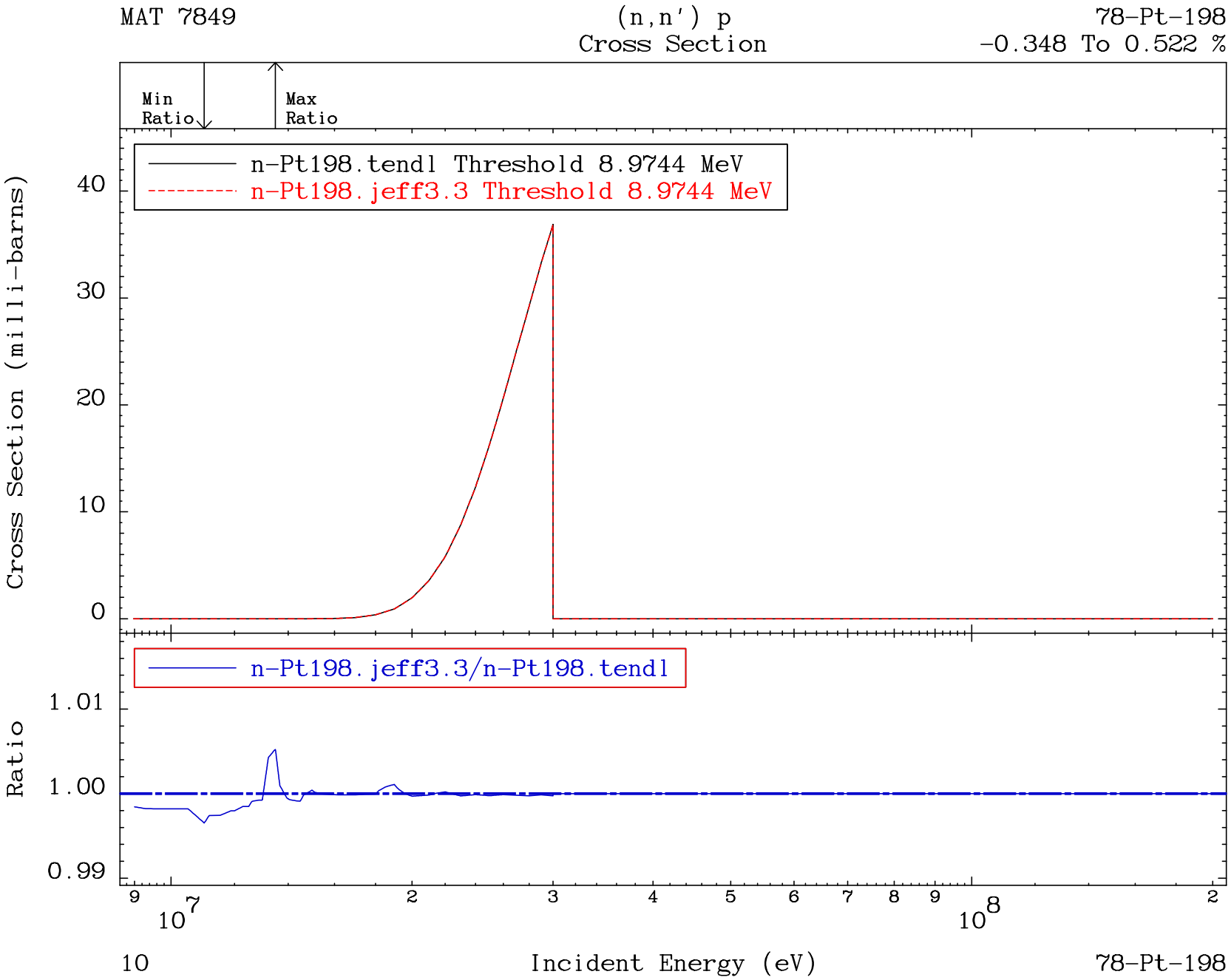

MAT 7849
(n,2n)
Cross Section
78-Pt-198
-0.021 To 9.964 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.5941 MeV
n-Pt198.jeff3.3 Threshold 7.5941 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.10
1.05
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
78-Pt-198

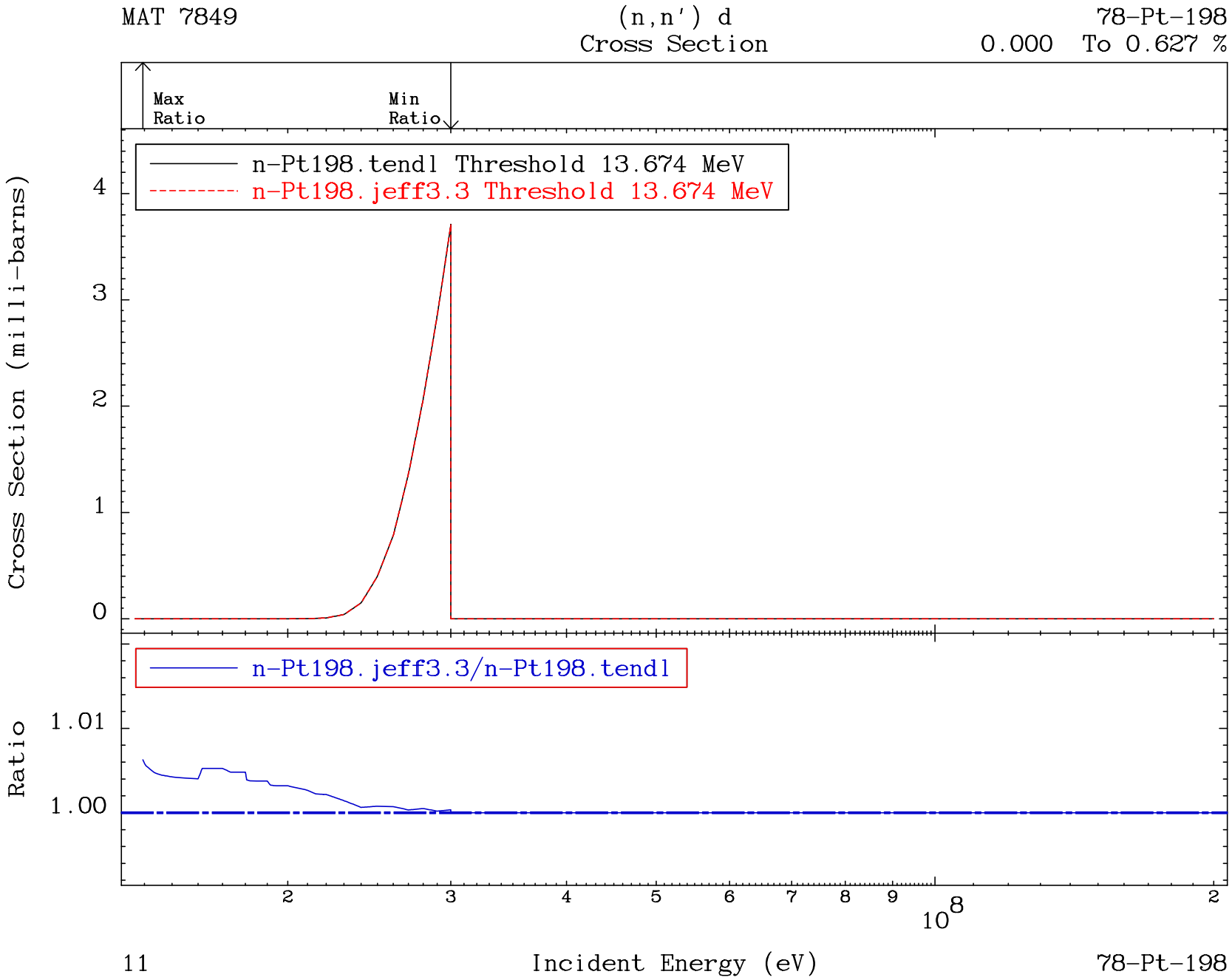

MAT 7849
(n,3n)
Cross Section
78-Pt-198
0.000 To 2.042 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 13.470 MeV
n-Pt198.jeff3.3 Threshold 13.470 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
78-Pt-198

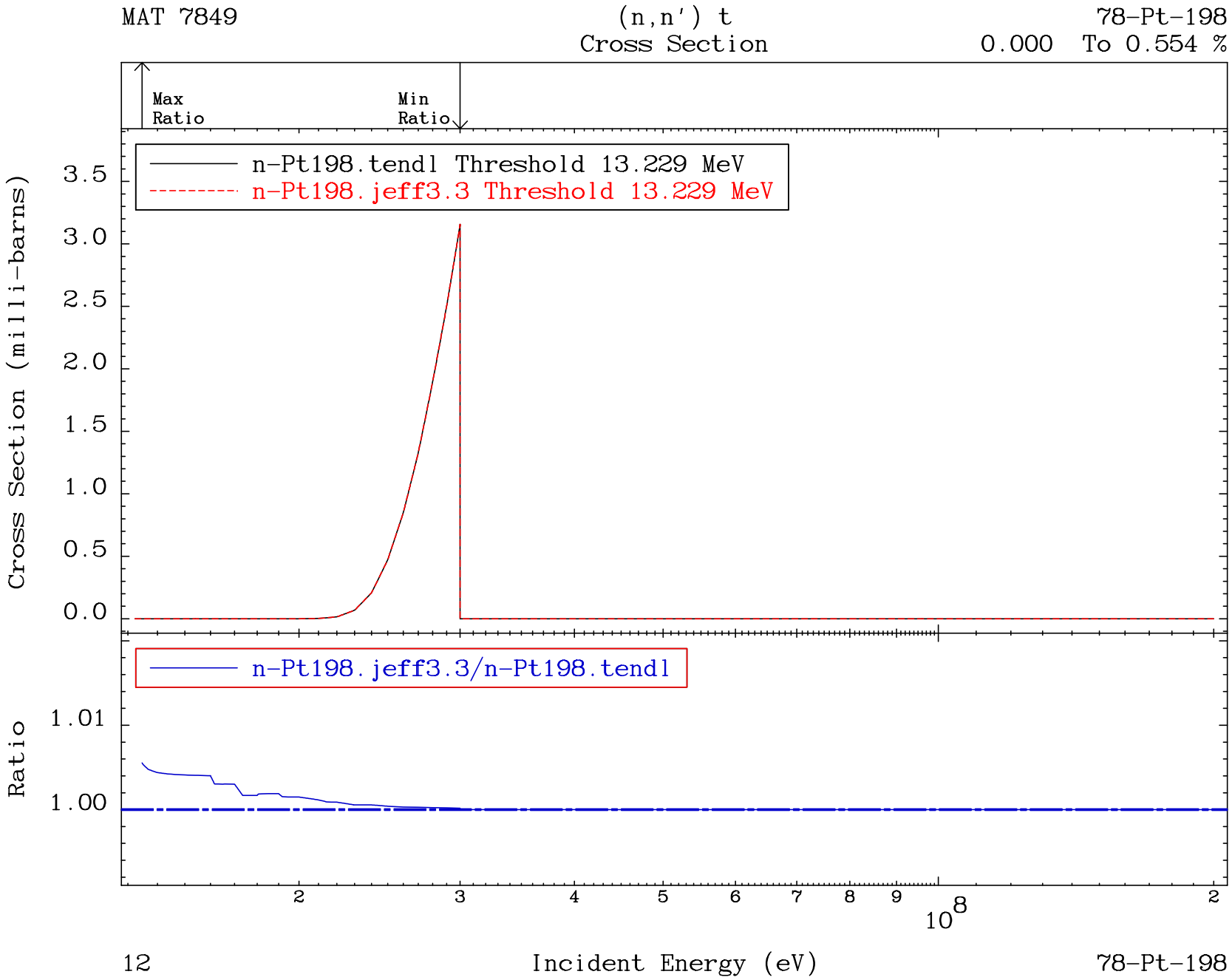

MAT 7849
(n,n') α
Cross Section
78-Pt-198
-18.81 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 2.6121 keV
n-Pt198.jeff3.3 Threshold 30.687 keV
Cross Section (milli-barns)
0
2
4
6
8
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
10^0
10^2
10^4
10^6
3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
7
Incident Energy (eV)
78-Pt-198

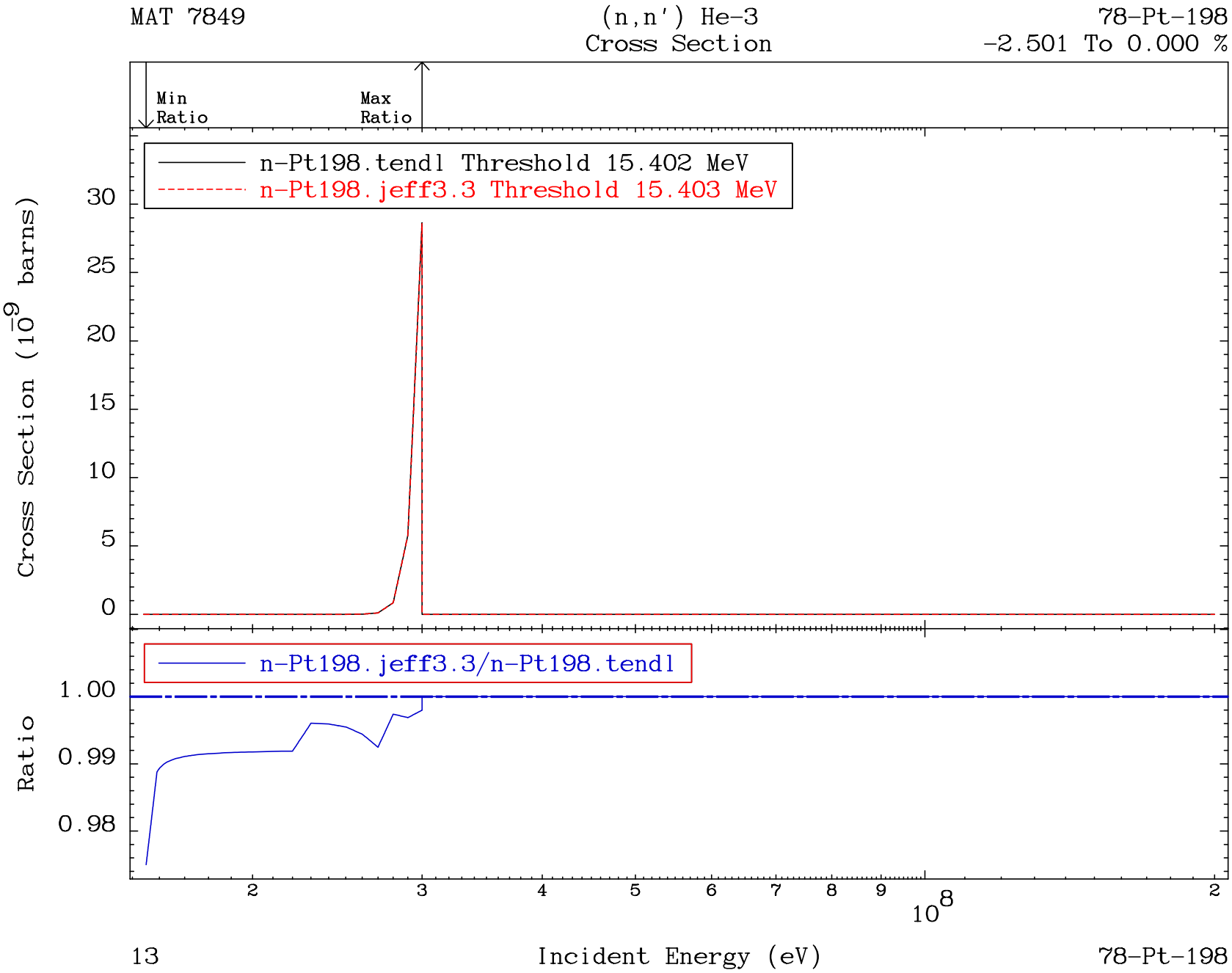

MAT 7849
(n,2n) α
Cross Section
78-Pt-198
-17.58 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.0416 MeV
n-Pt198.jeff3.3 Threshold 7.0416 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
78-Pt-198

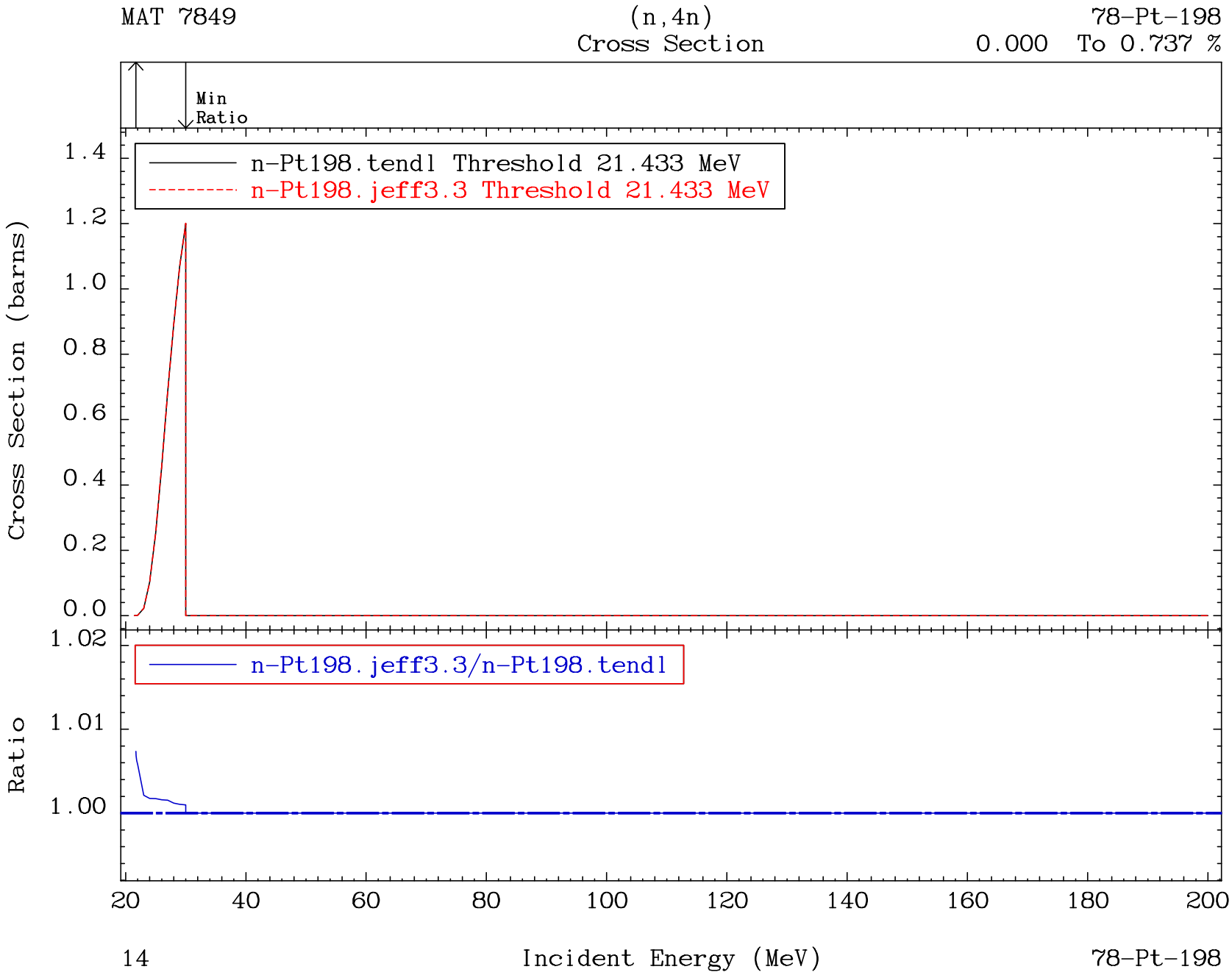

MAT 7849
(n,3n) α
Cross Section
78-Pt-198
-96.72 To 9999. %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 12.654 MeV
n-Pt198.jeff3.3 Threshold 12.654 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
14
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-198

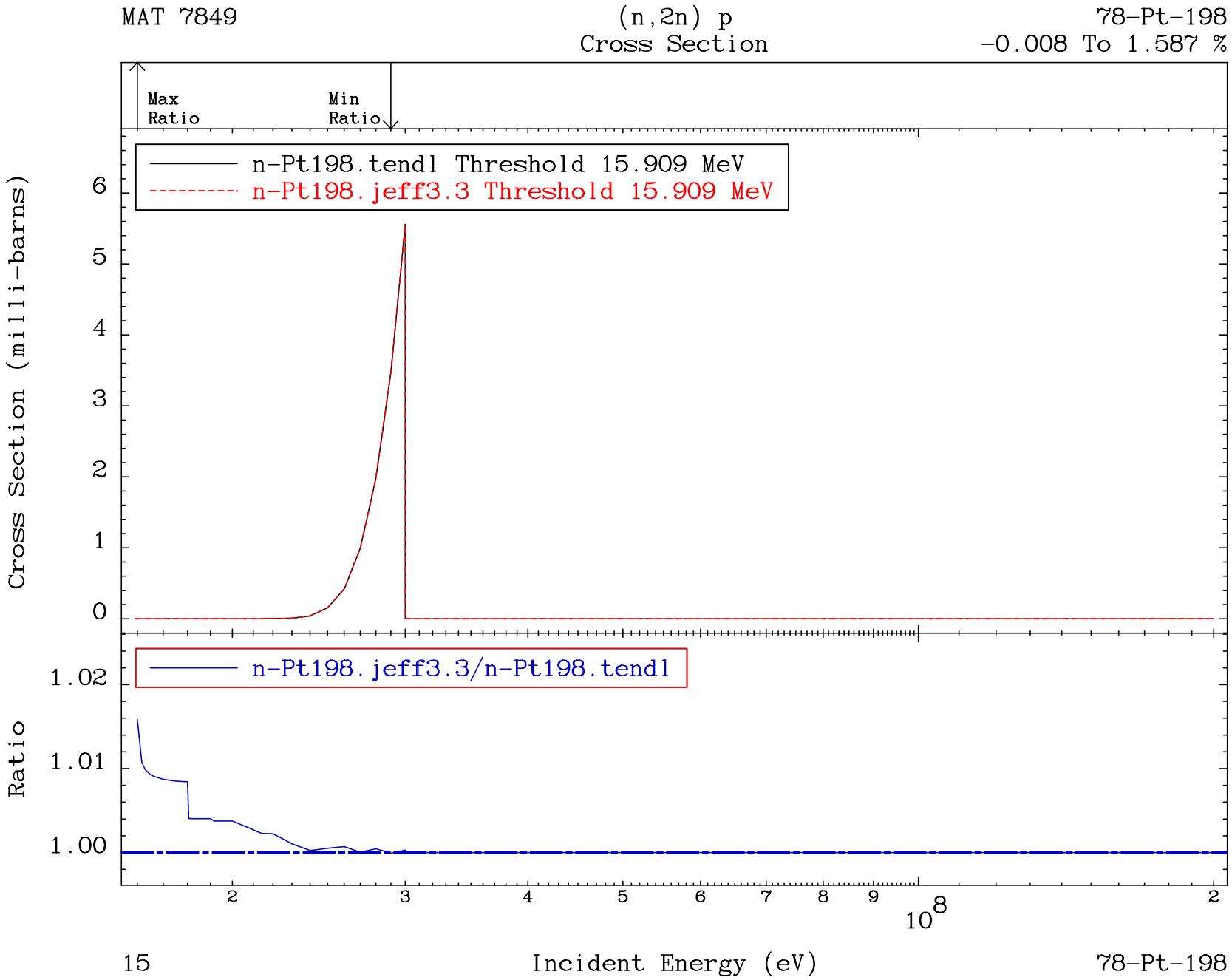

MAT 7849
(n,n') p
Cross Section
78-Pt-198
-0.348 To 0.522 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 8.9744 MeV
n-Pt198.jeff3.3 Threshold 8.9744 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
78-Pt-198

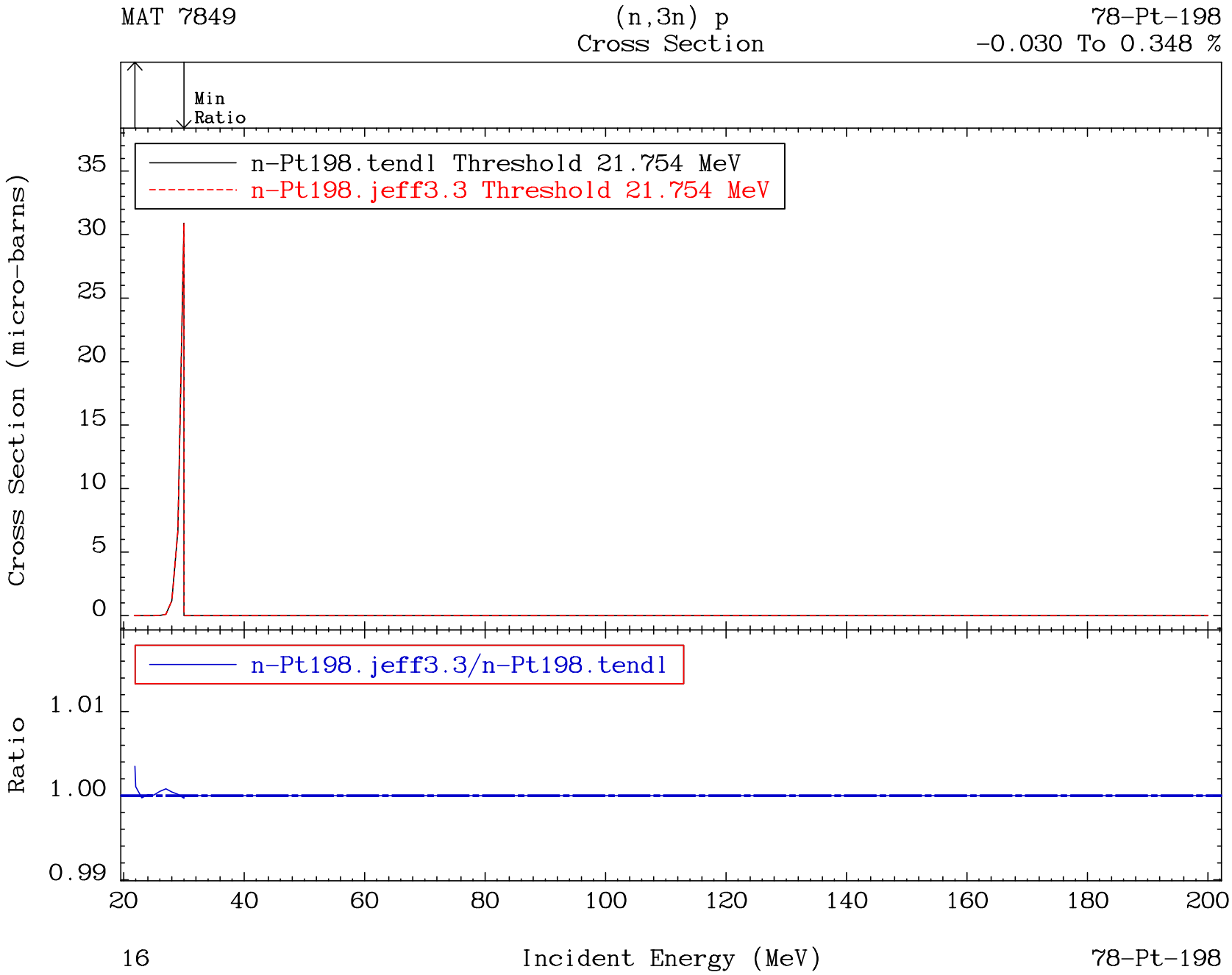

MAT 7849
(n,n') d
Cross Section
78-Pt-198
0.000 To 0.627 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 13.674 MeV
n-Pt198.jeff3.3 Threshold 13.674 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
78-Pt-198

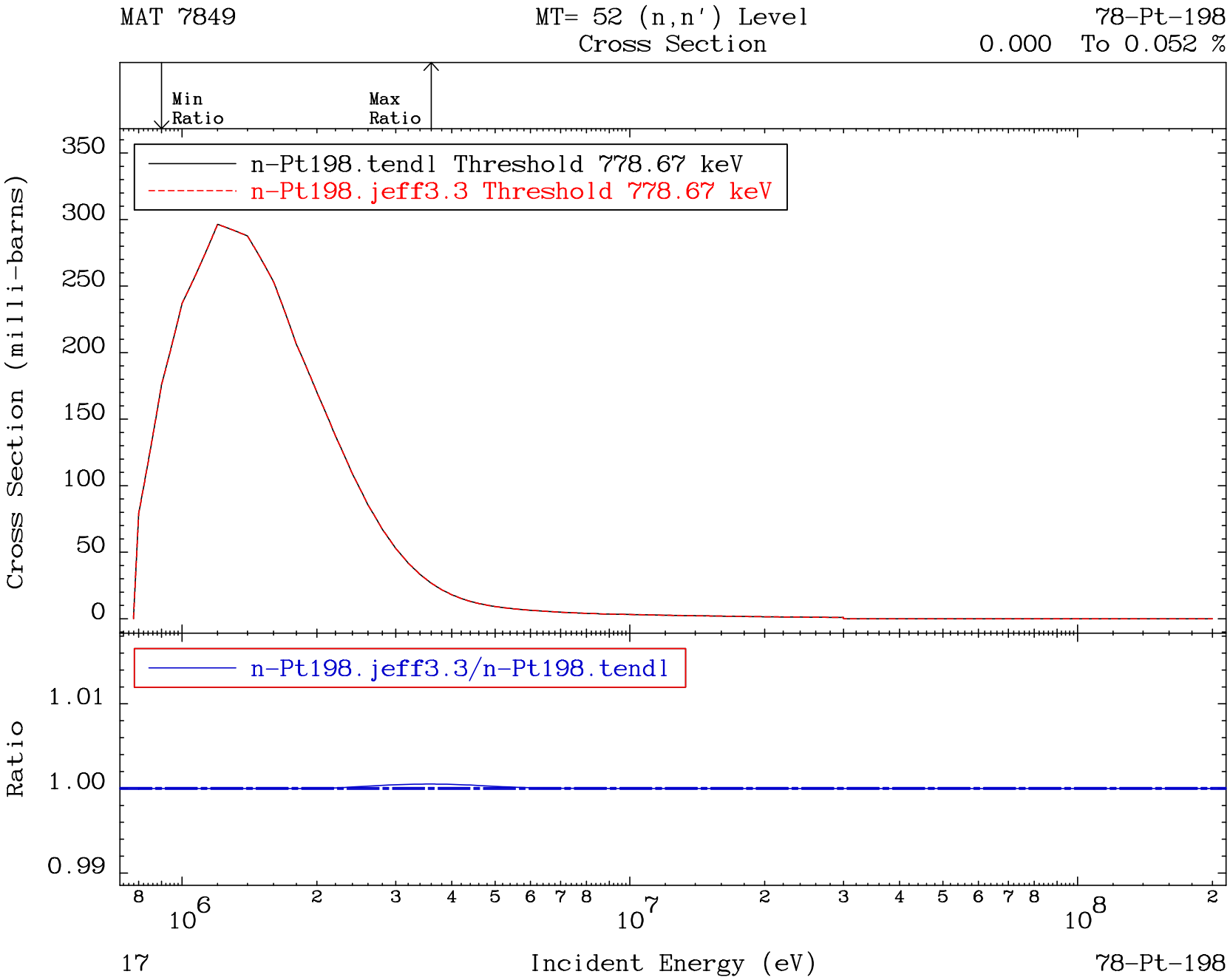

MAT 7849
(n,n') t
Cross Section
78-Pt-198
0.000 To 0.554 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 13.229 MeV
n-Pt198.jeff3.3 Threshold 13.229 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
78-Pt-198

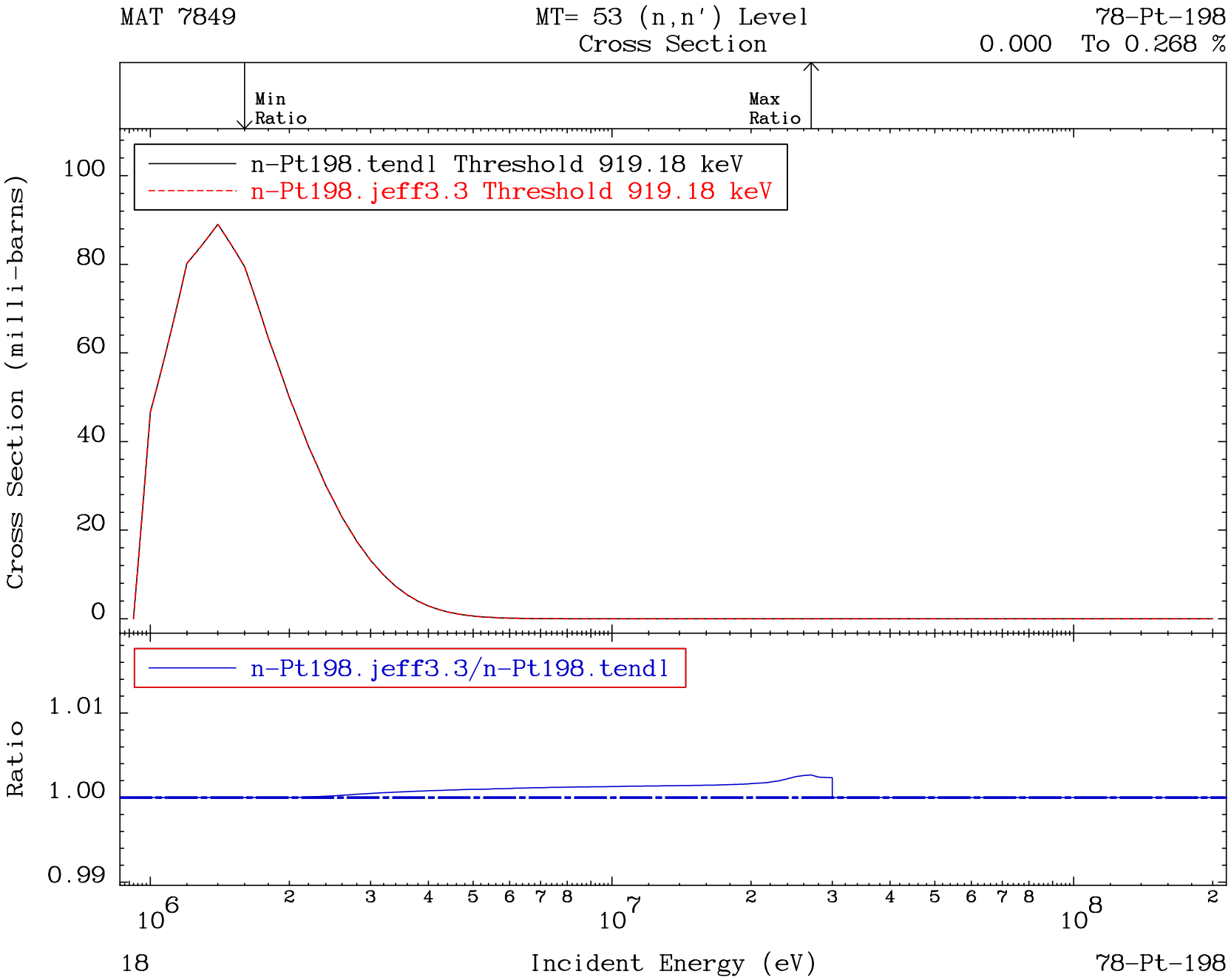

MAT 7849
(n,n') He-3
Cross Section
78-Pt-198
-2.501 To 0.000 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 15.402 MeV
n-Pt198.jeff3.3 Threshold 15.403 MeV
Cross Section (10^-9 barns)
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
78-Pt-198

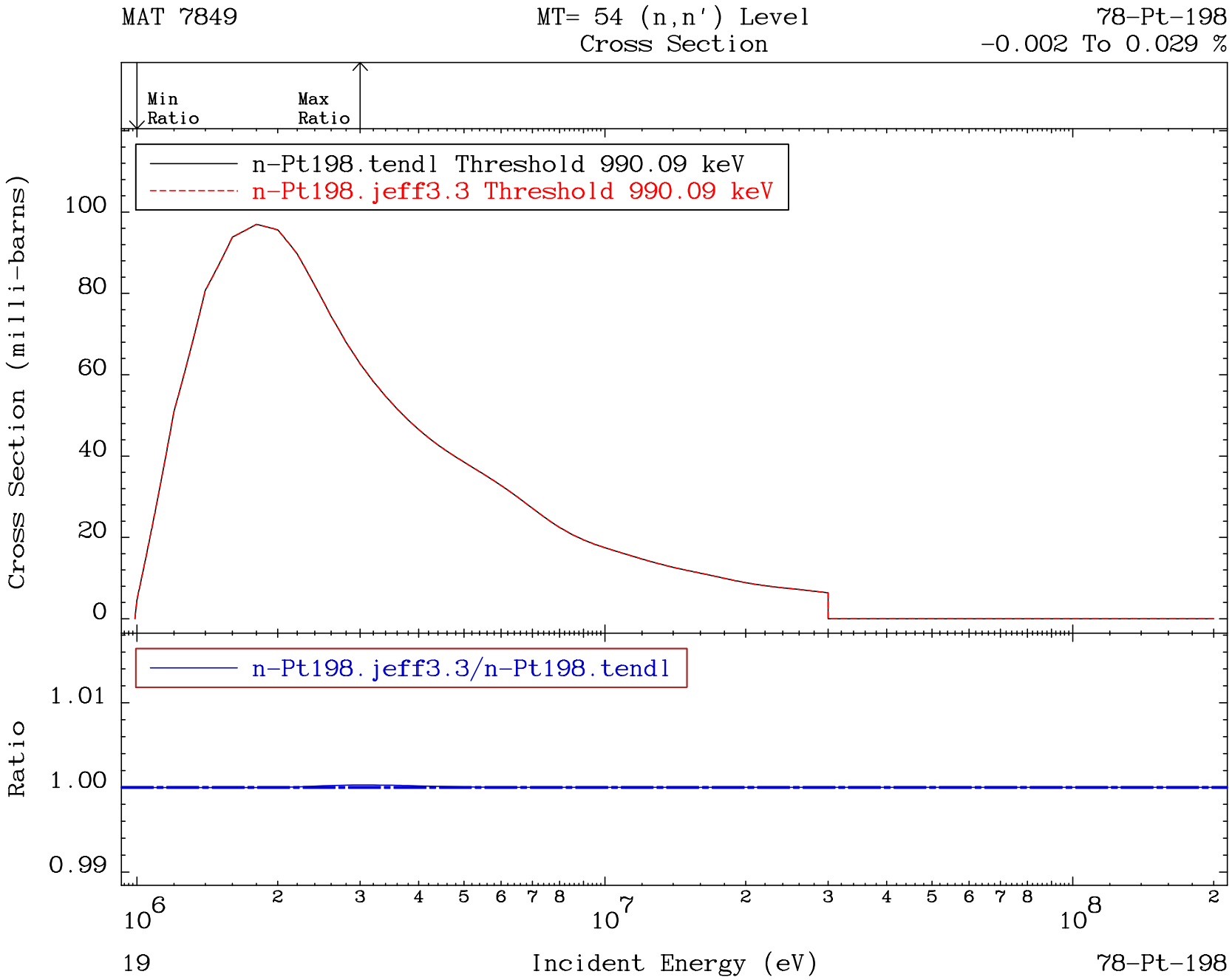

MAT 7849
(n,4n)
Cross Section
78-Pt-198
0.000 To 0.737 %
Min
Ratio
n-Pt198.tendl Threshold 21.433 MeV
n-Pt198.jeff3.3 Threshold 21.433 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
78-Pt-198

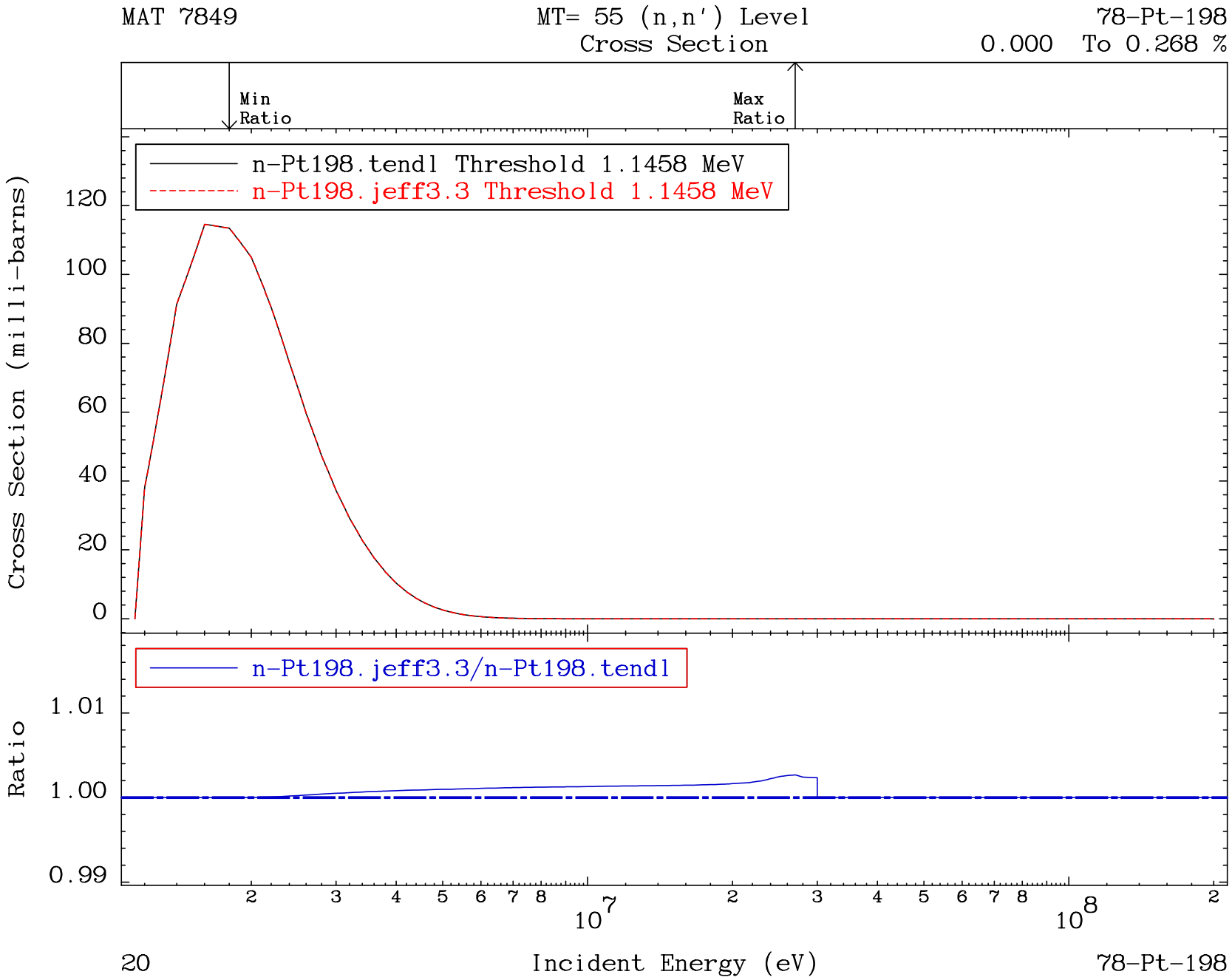

MAT 7849
(n,2n) p
Cross Section
78-Pt-198
-0.008 To 1.587 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 15.909 MeV
n-Pt198.jeff3.3 Threshold 15.909 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
1.01
1.02
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
78-Pt-198

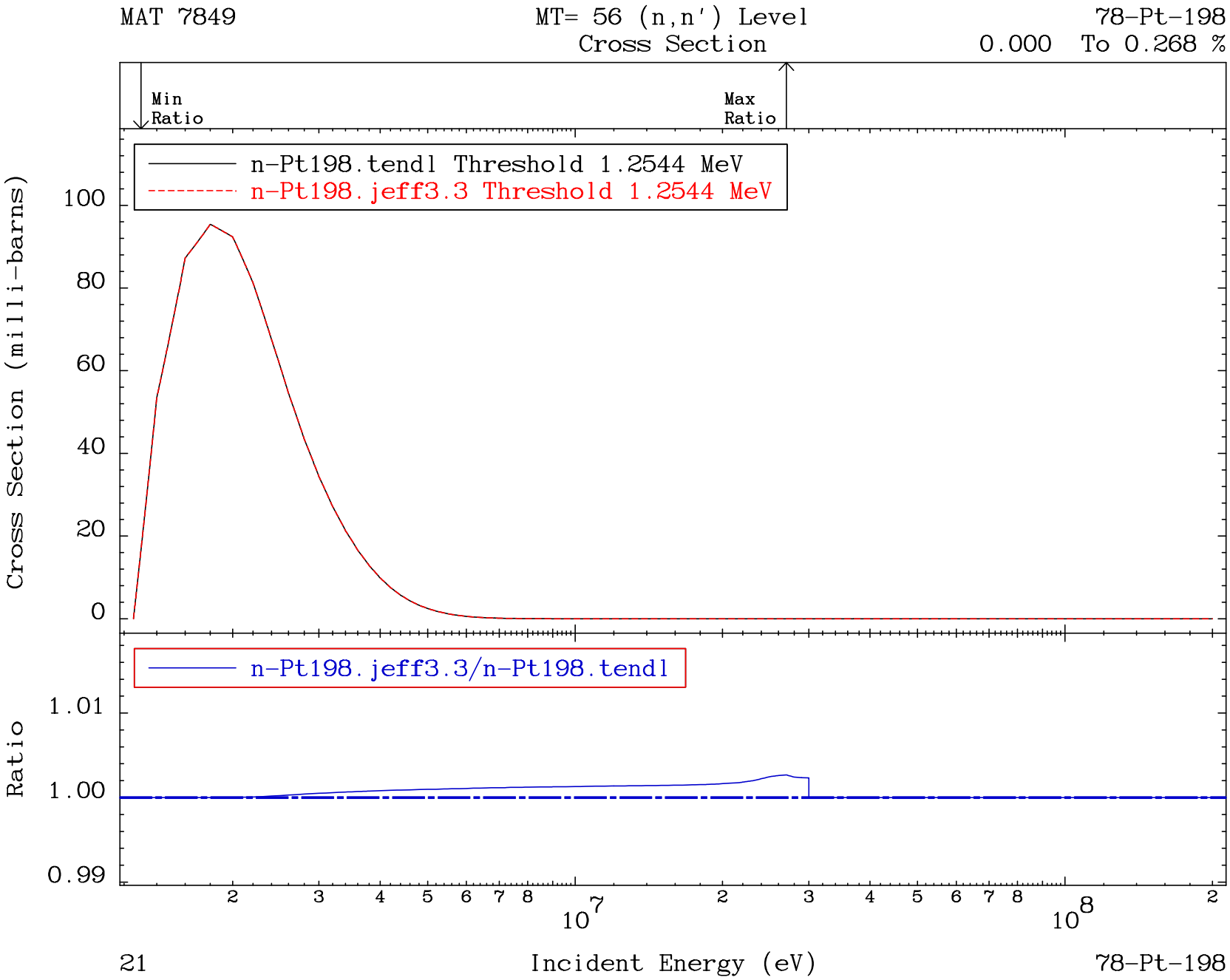

MAT 7849
(n,3n) p
Cross Section
78-Pt-198
-0.030 To 0.348 %
Min
Ratio
n-Pt198.tendl Threshold 21.754 MeV
n-Pt198.jeff3.3 Threshold 21.754 MeV
Cross Section (micro-barns)
35
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
78-Pt-198

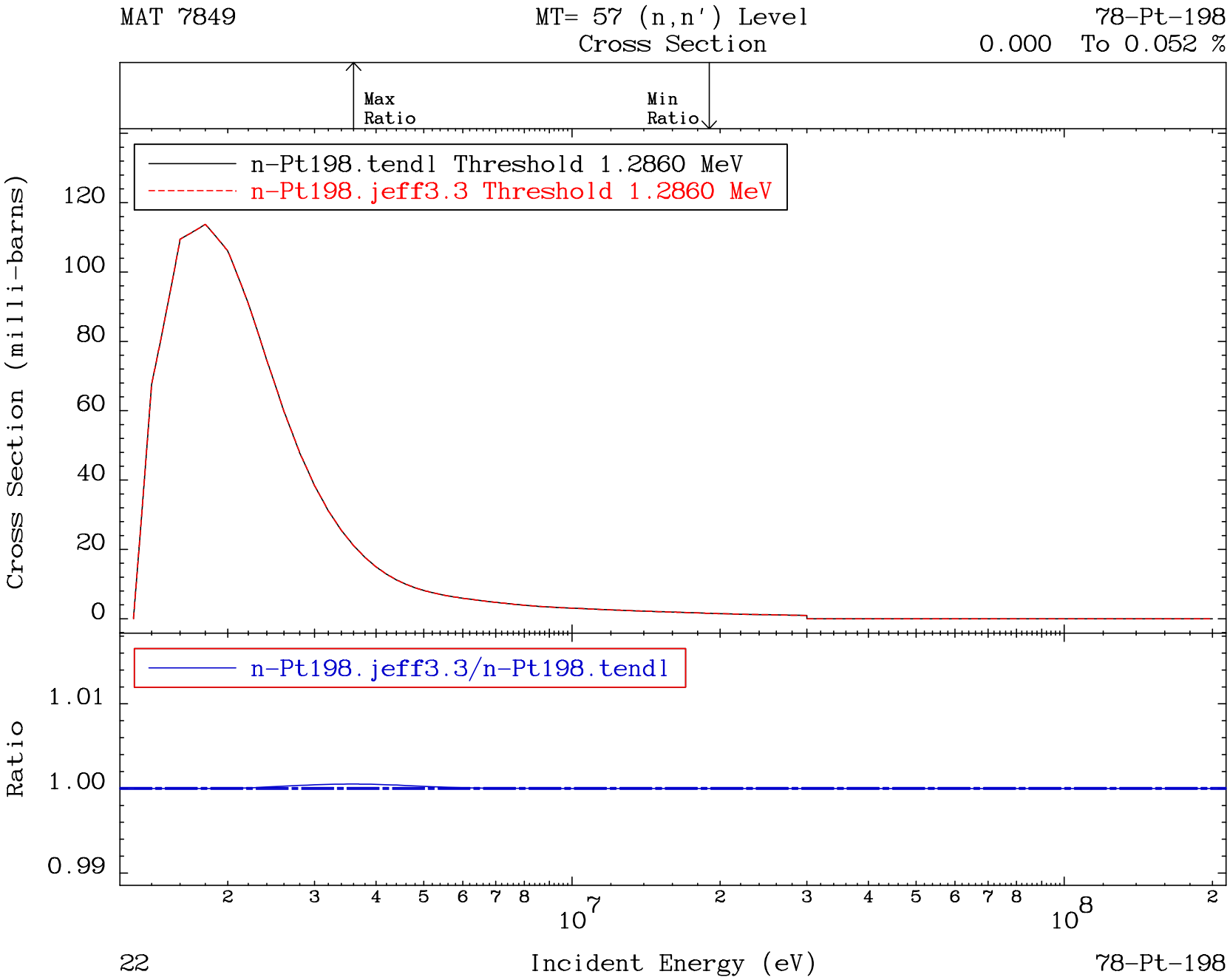

MAT 7849
MT= 52 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 778.67 keV
n-Pt198.jeff3.3 Threshold 778.67 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
8 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2
10^6 10^7 10^8
17
Incident Energy (eV)
78-Pt-198

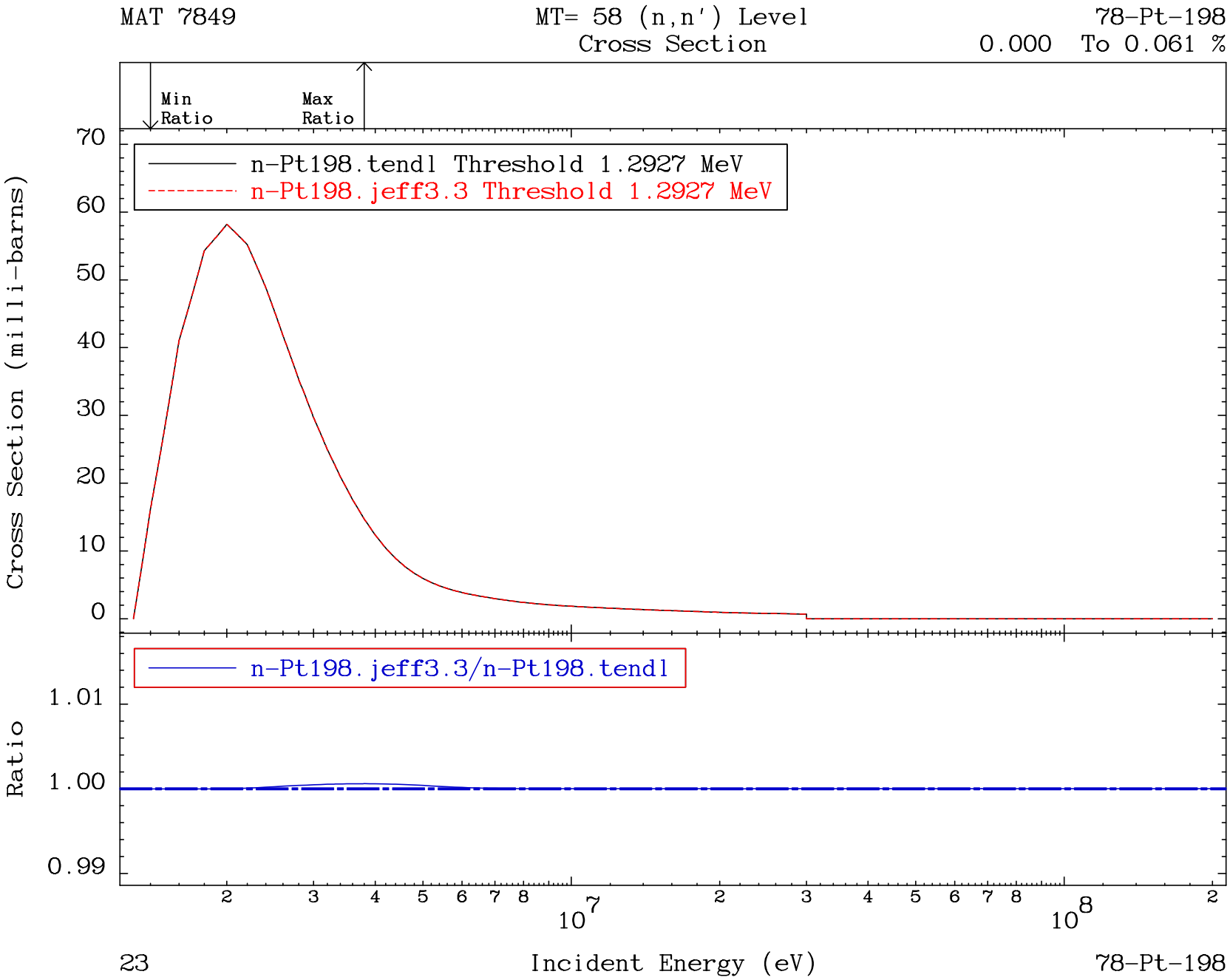

MAT 7849
MT= 53 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 919.18 keV
n-Pt198.jeff3.3 Threshold 919.18 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
10^6
10^7
10^8
18
Incident Energy (eV)
78-Pt-198

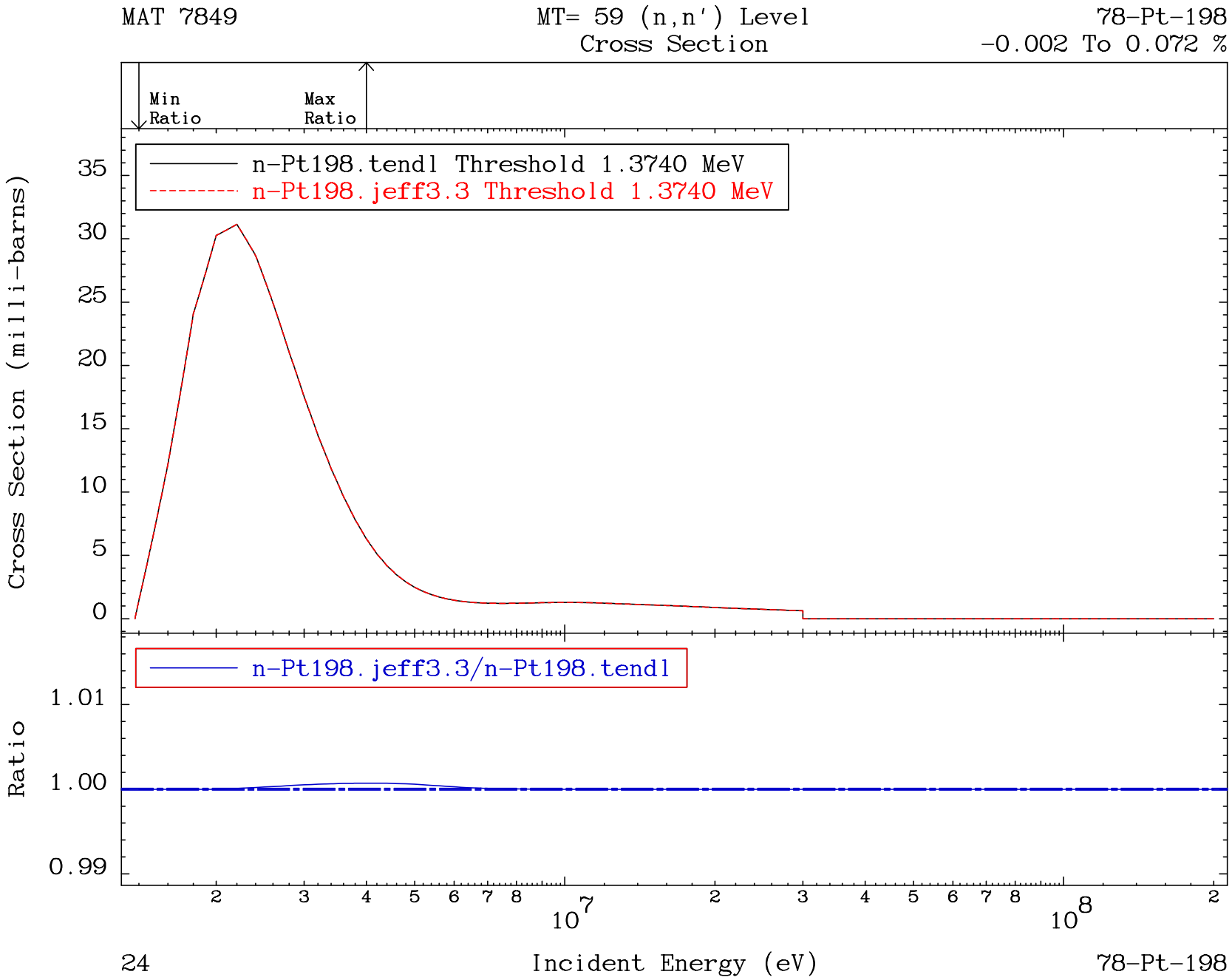

MAT 7849
MT= 54 (n,n') Level
Cross Section
78-Pt-198
-0.002 To 0.029 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 990.09 keV
n-Pt198.jeff3.3 Threshold 990.09 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
78-Pt-198

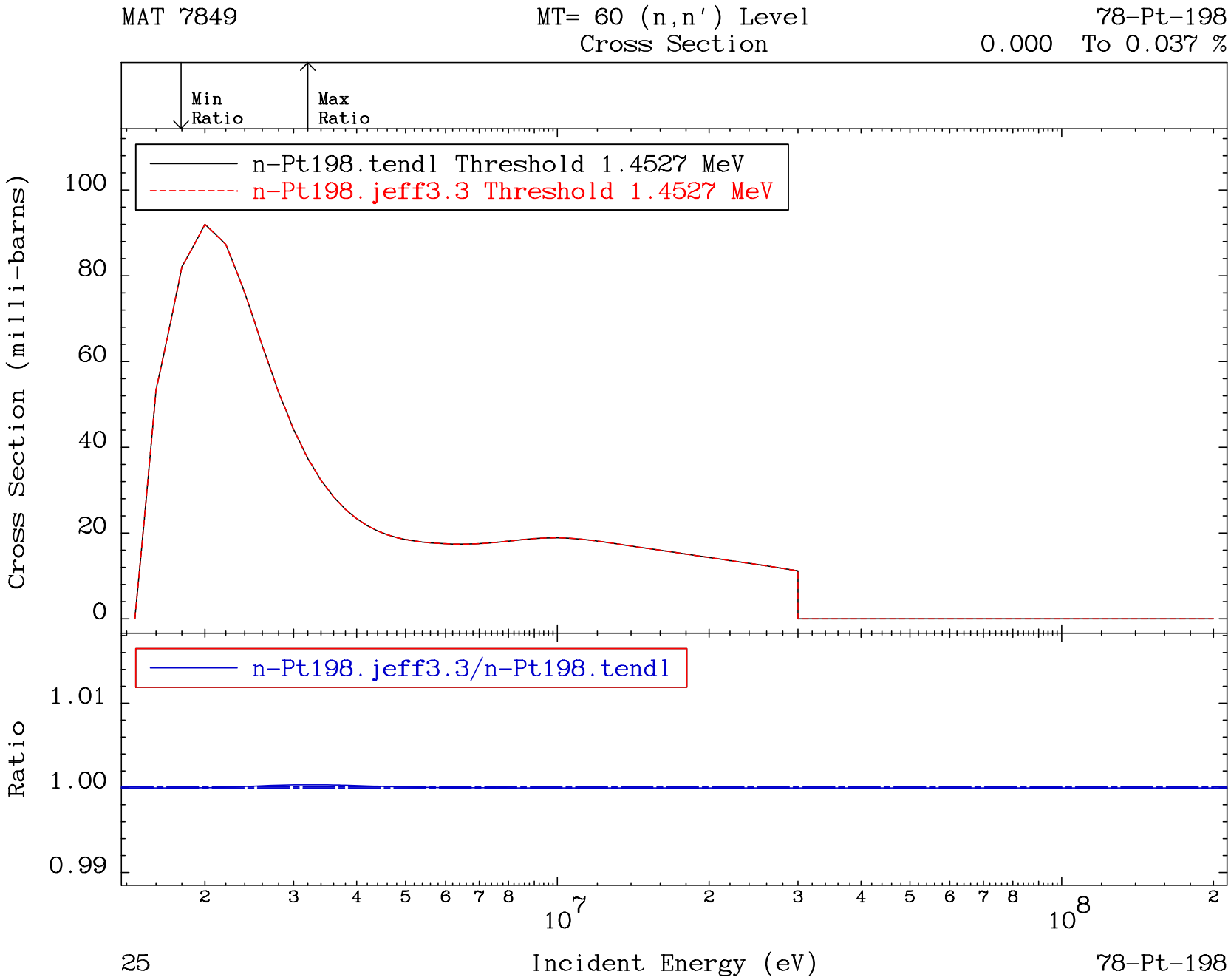

MAT 7849
MT= 55 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.1458 MeV
n-Pt198.jeff3.3 Threshold 1.1458 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
78-Pt-198

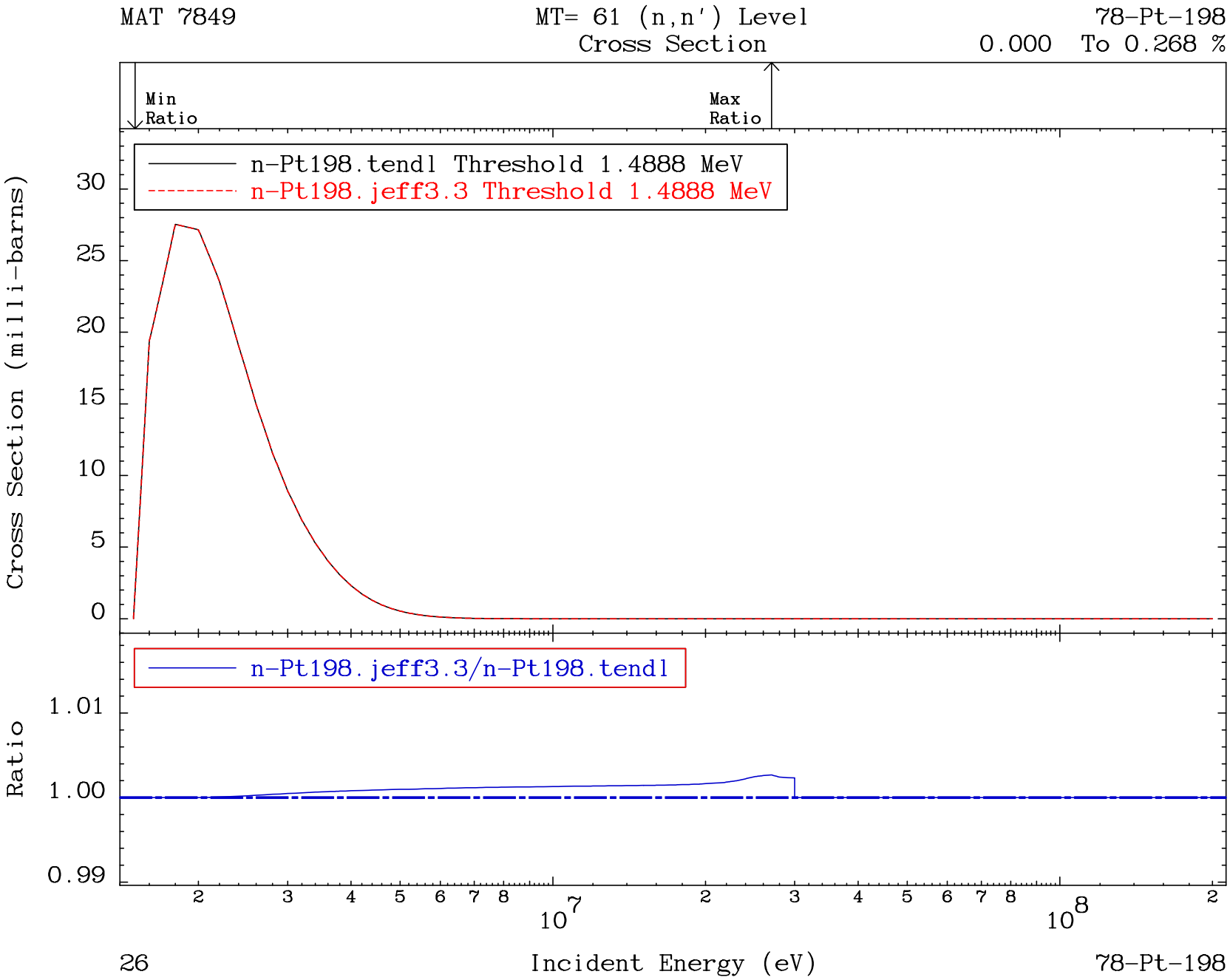

MAT 7849
MT= 56 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.2544 MeV
n-Pt198.jeff3.3 Threshold 1.2544 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
78-Pt-198

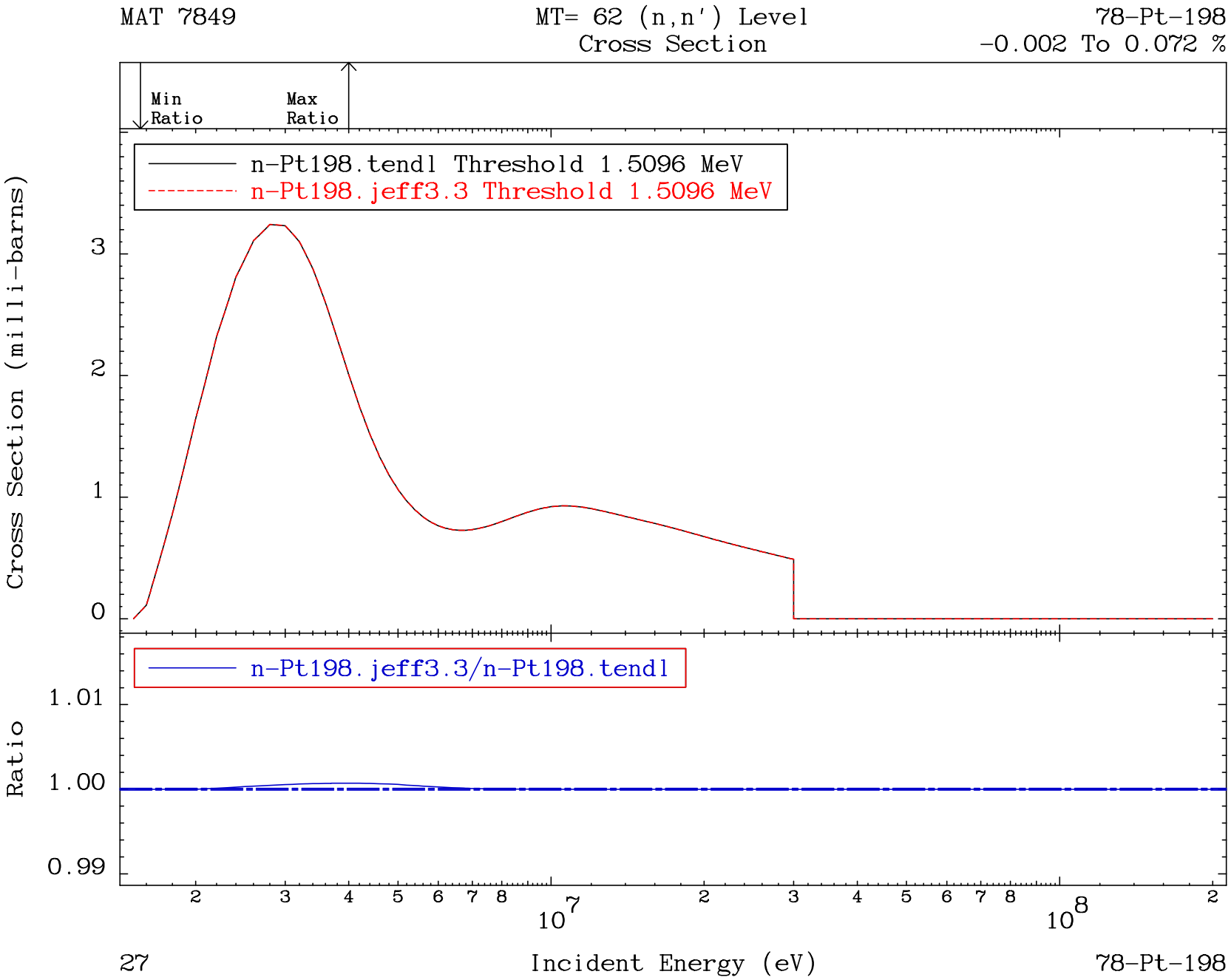

MAT 7849
MT= 57 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.2860 MeV
n-Pt198.jeff3.3 Threshold 1.2860 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
78-Pt-198

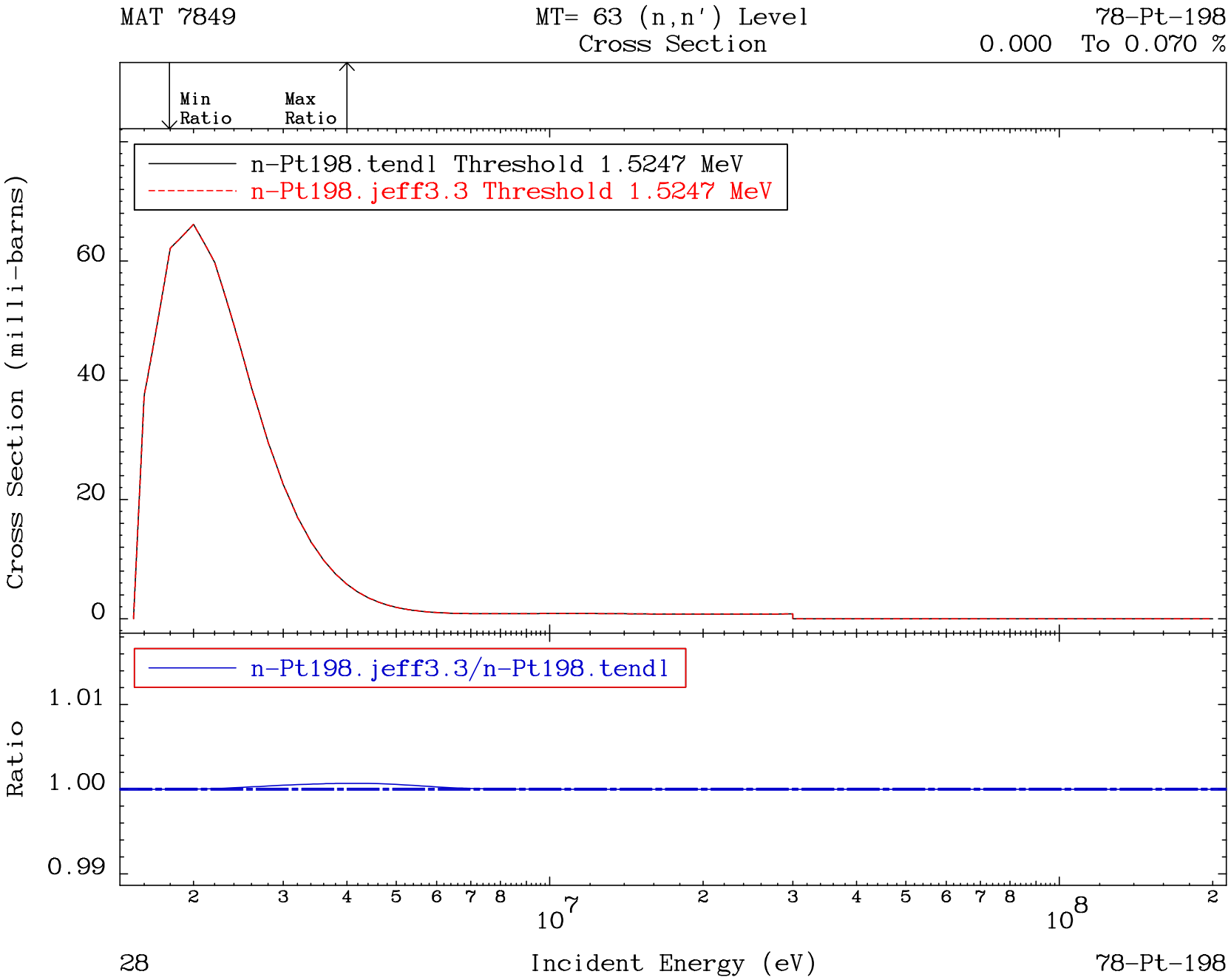

MAT 7849
MT= 58 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.061 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.2927 MeV
n-Pt198.jeff3.3 Threshold 1.2927 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
78-Pt-198

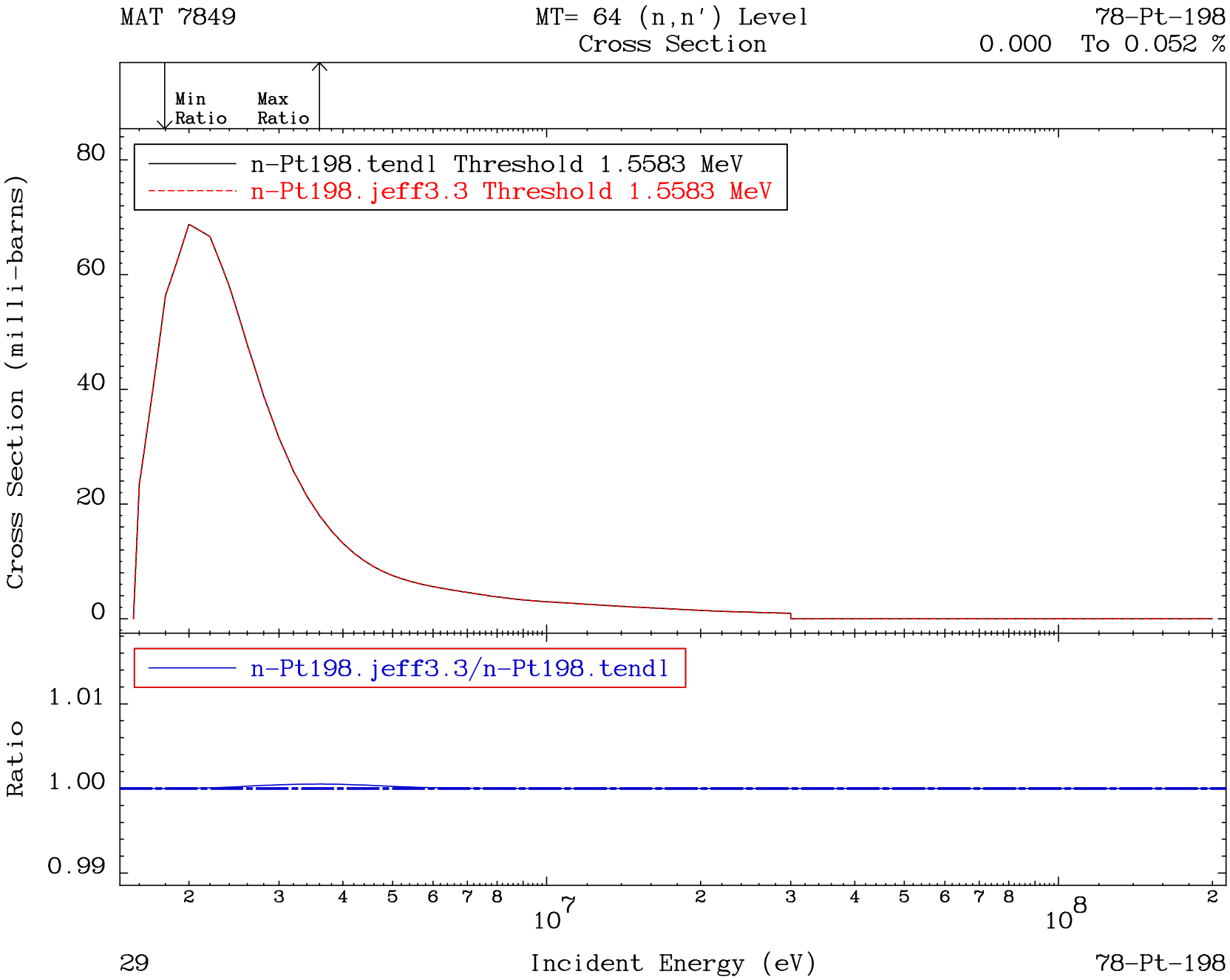

MAT 7849
MT= 59 (n,n') Level
Cross Section
78-Pt-198
-0.002 To 0.072 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.3740 MeV
n-Pt198.jeff3.3 Threshold 1.3740 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
78-Pt-198

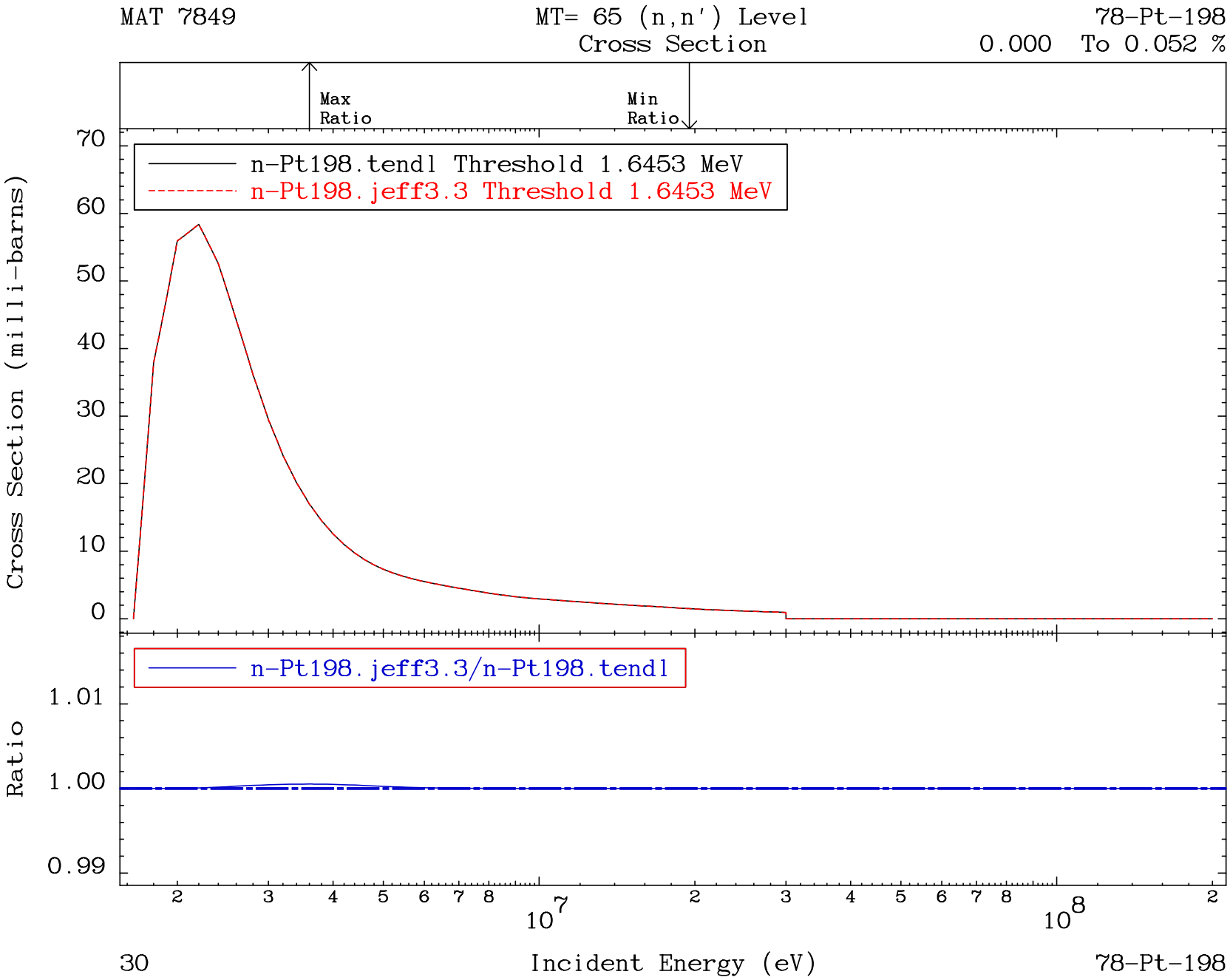

MAT 7849
MT= 60 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.037 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.4527 MeV
n-Pt198.jeff3.3 Threshold 1.4527 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
78-Pt-198

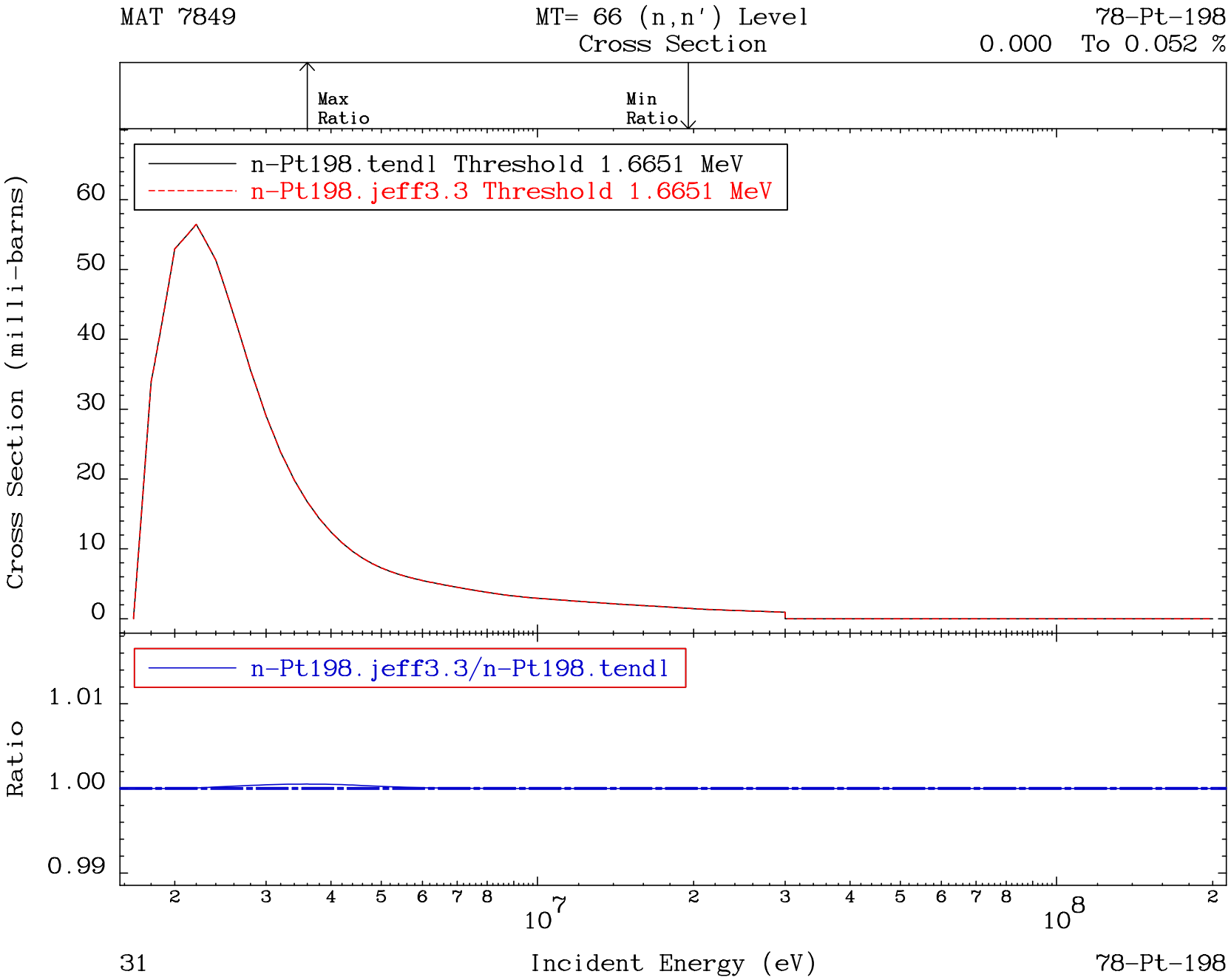

MAT 7849
MT= 61 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.4888 MeV
n-Pt198.jeff3.3 Threshold 1.4888 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
78-Pt-198

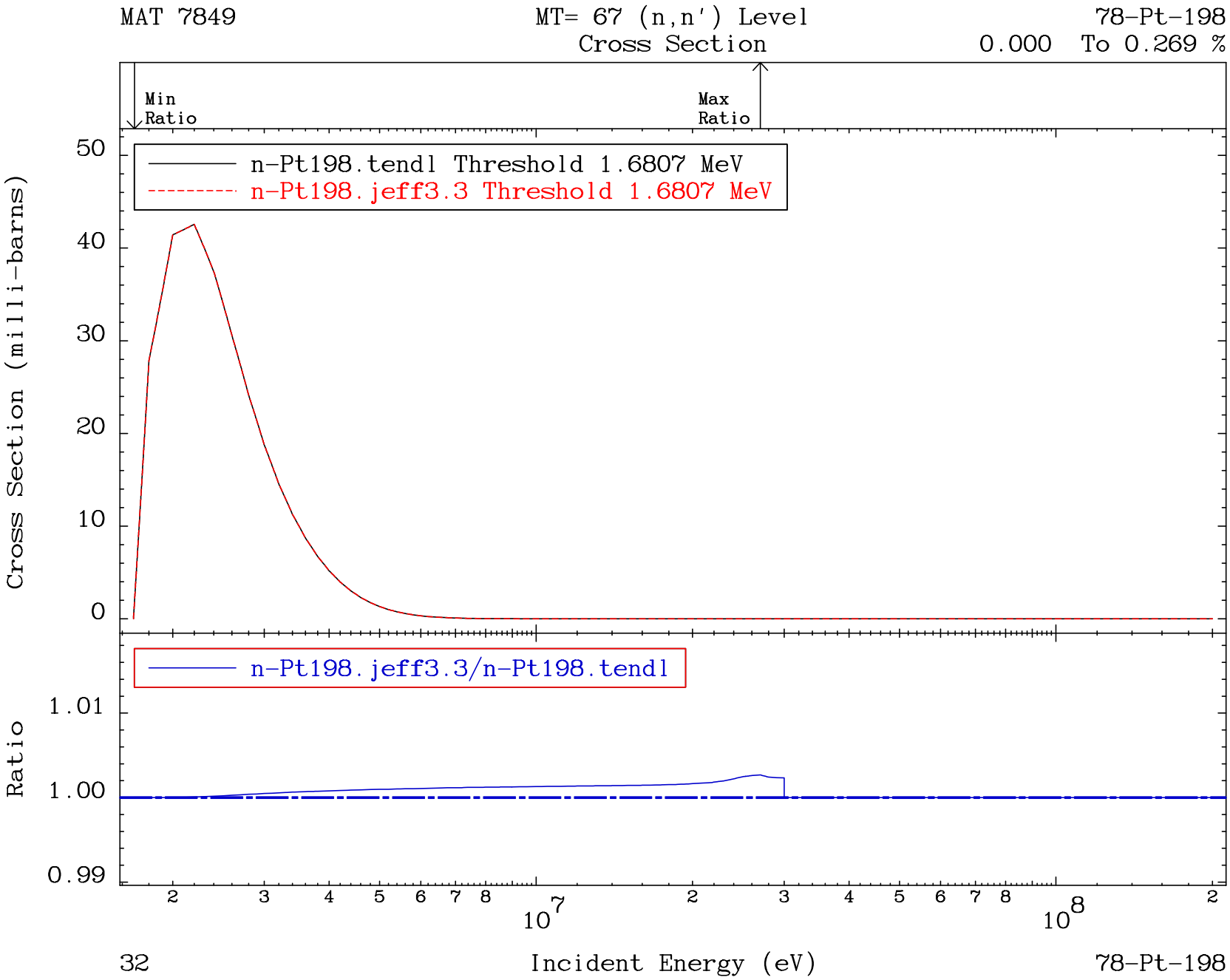

MAT 7849
MT= 62 (n,n') Level
Cross Section
78-Pt-198
-0.002 To 0.072 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.5096 MeV
n-Pt198.jeff3.3 Threshold 1.5096 MeV
Cross Section (milli-barns)
0
1
2
3
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
78-Pt-198

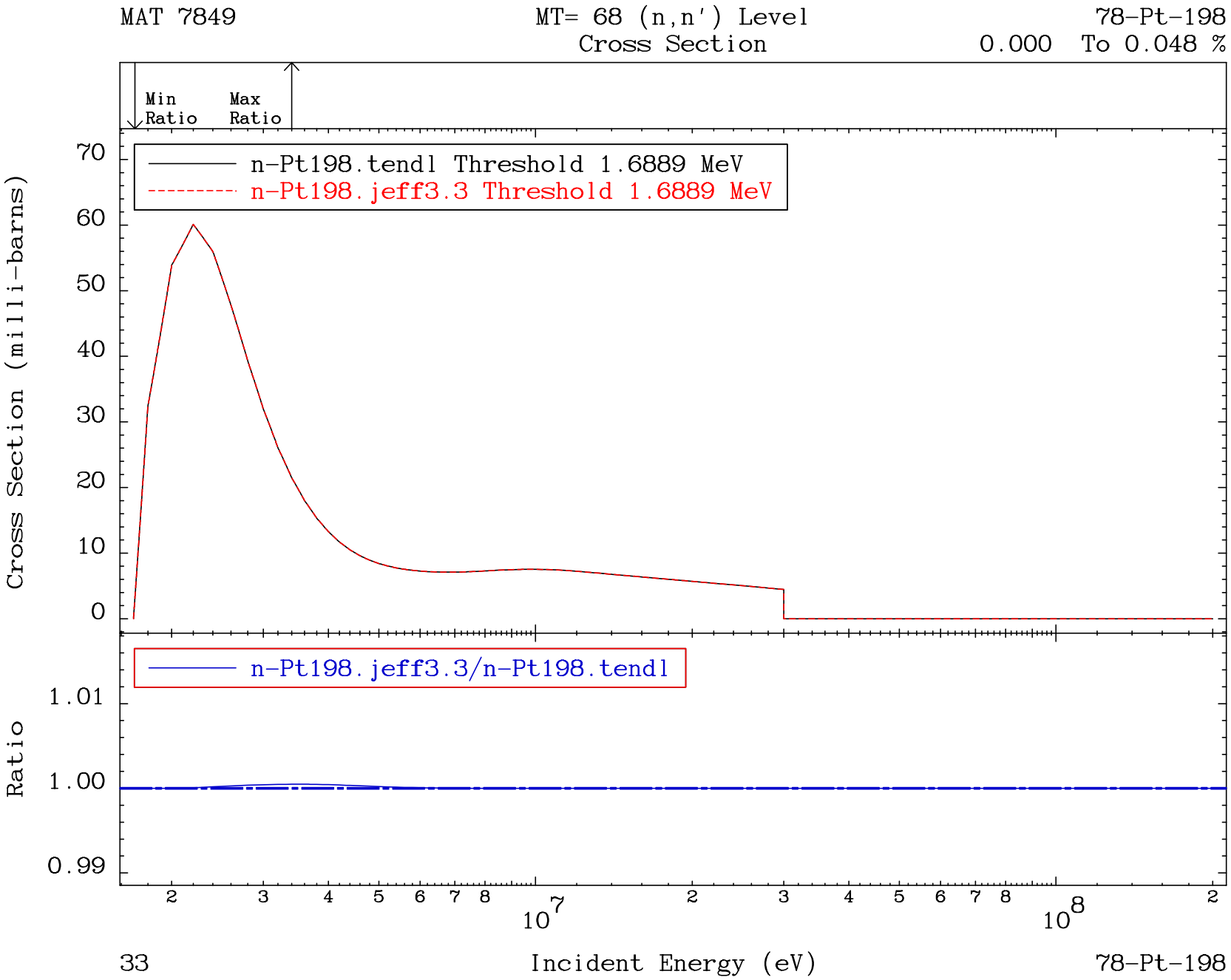

MAT 7849
MT= 63 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.070 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.5247 MeV
n-Pt198.jeff3.3 Threshold 1.5247 MeV
Cross Section (milli-barns)
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
78-Pt-198

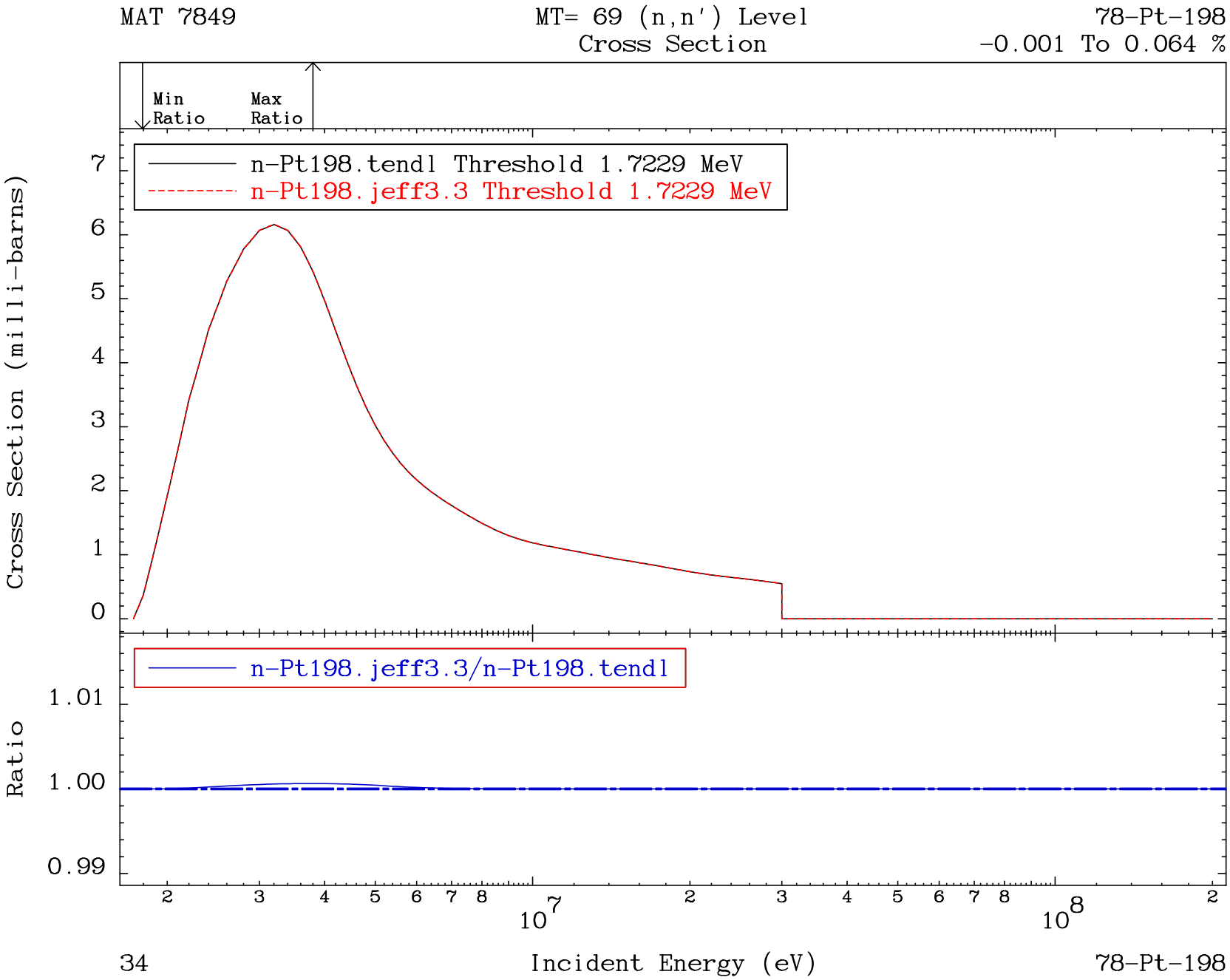

MAT 7849
MT= 64 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.5583 MeV
n-Pt198.jeff3.3 Threshold 1.5583 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
78-Pt-198

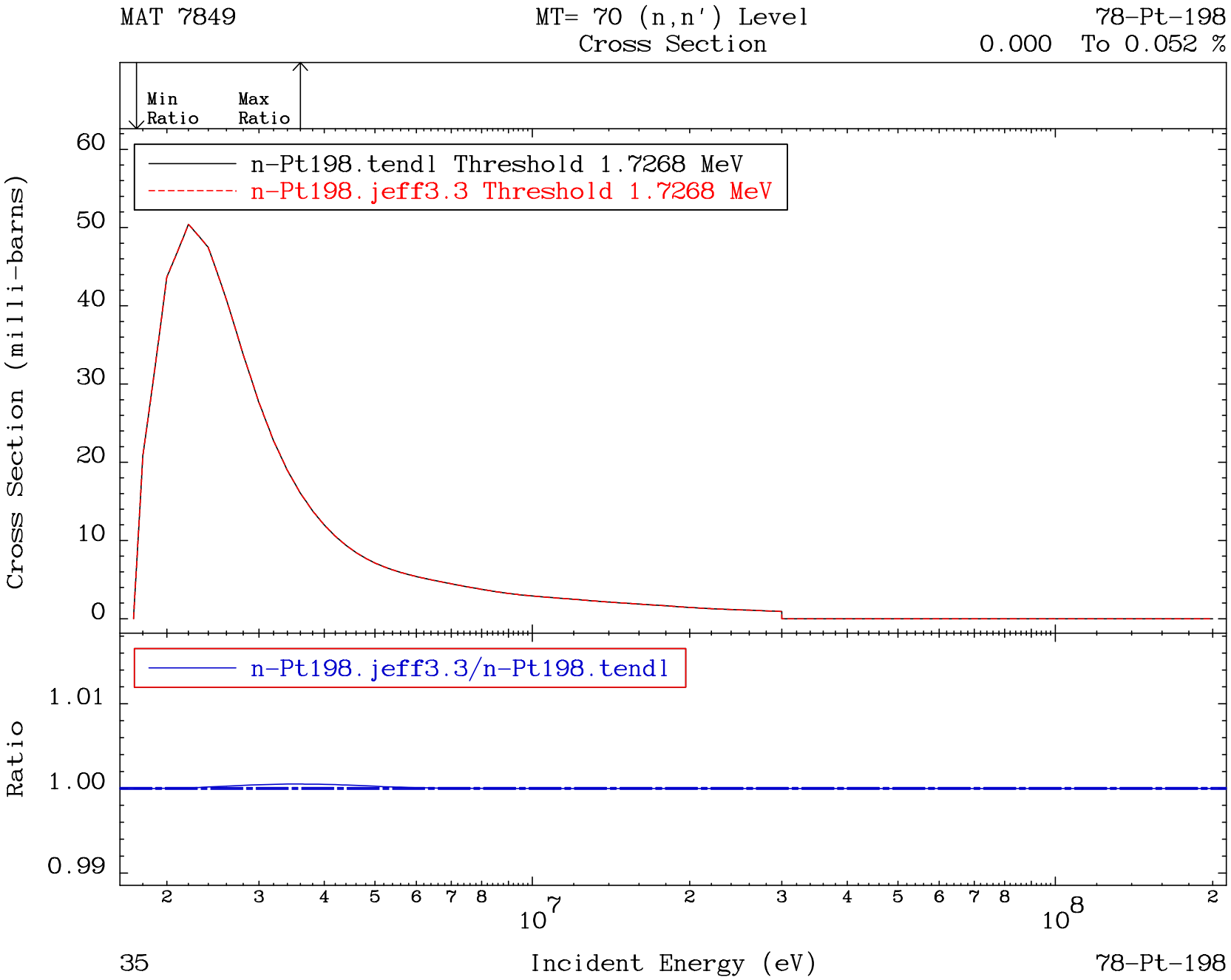

MAT 7849
MT= 65 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.6453 MeV
n-Pt198.jeff3.3 Threshold 1.6453 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
78-Pt-198

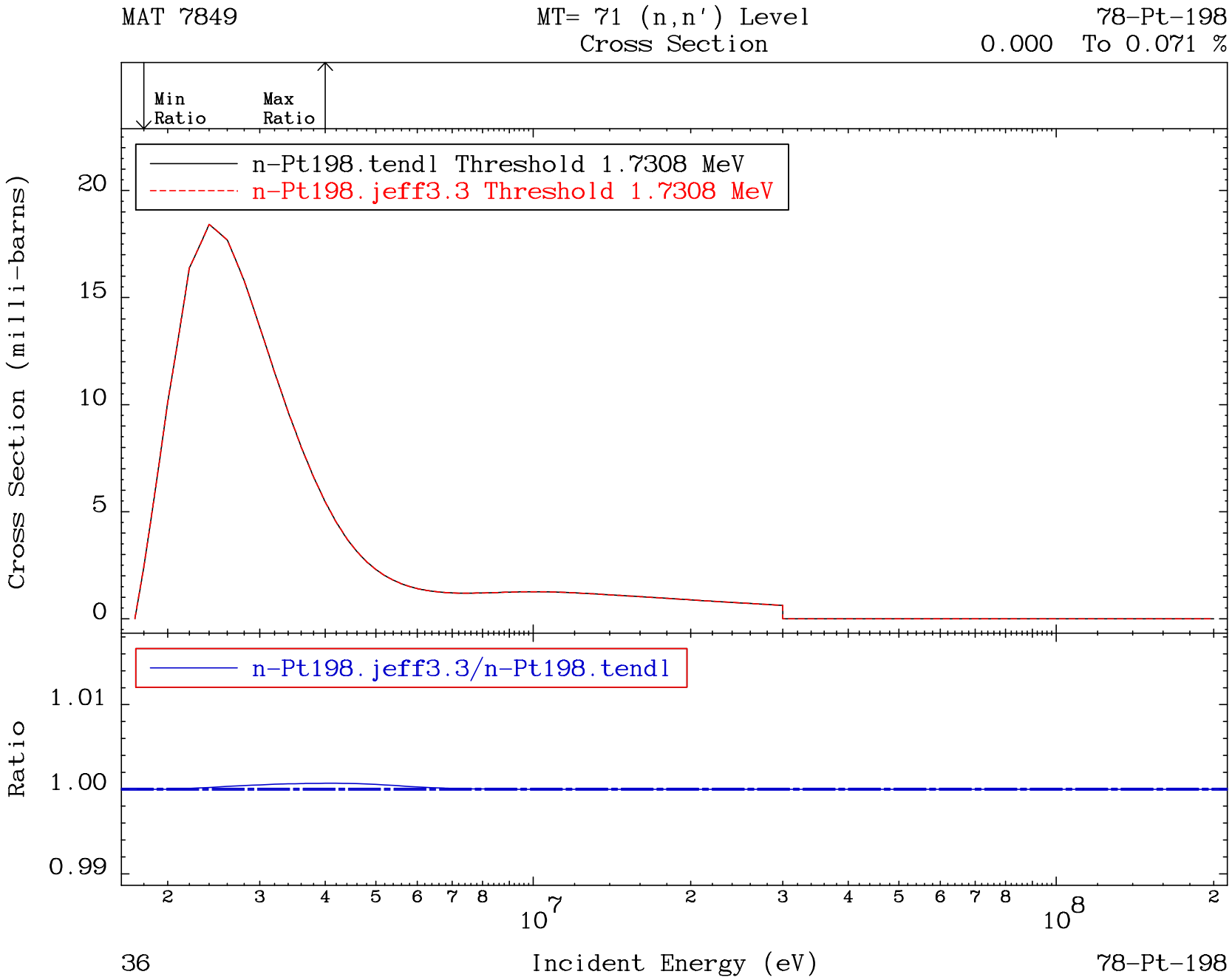

MAT 7849
MT= 66 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.6651 MeV
n-Pt198.jeff3.3 Threshold 1.6651 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
78-Pt-198

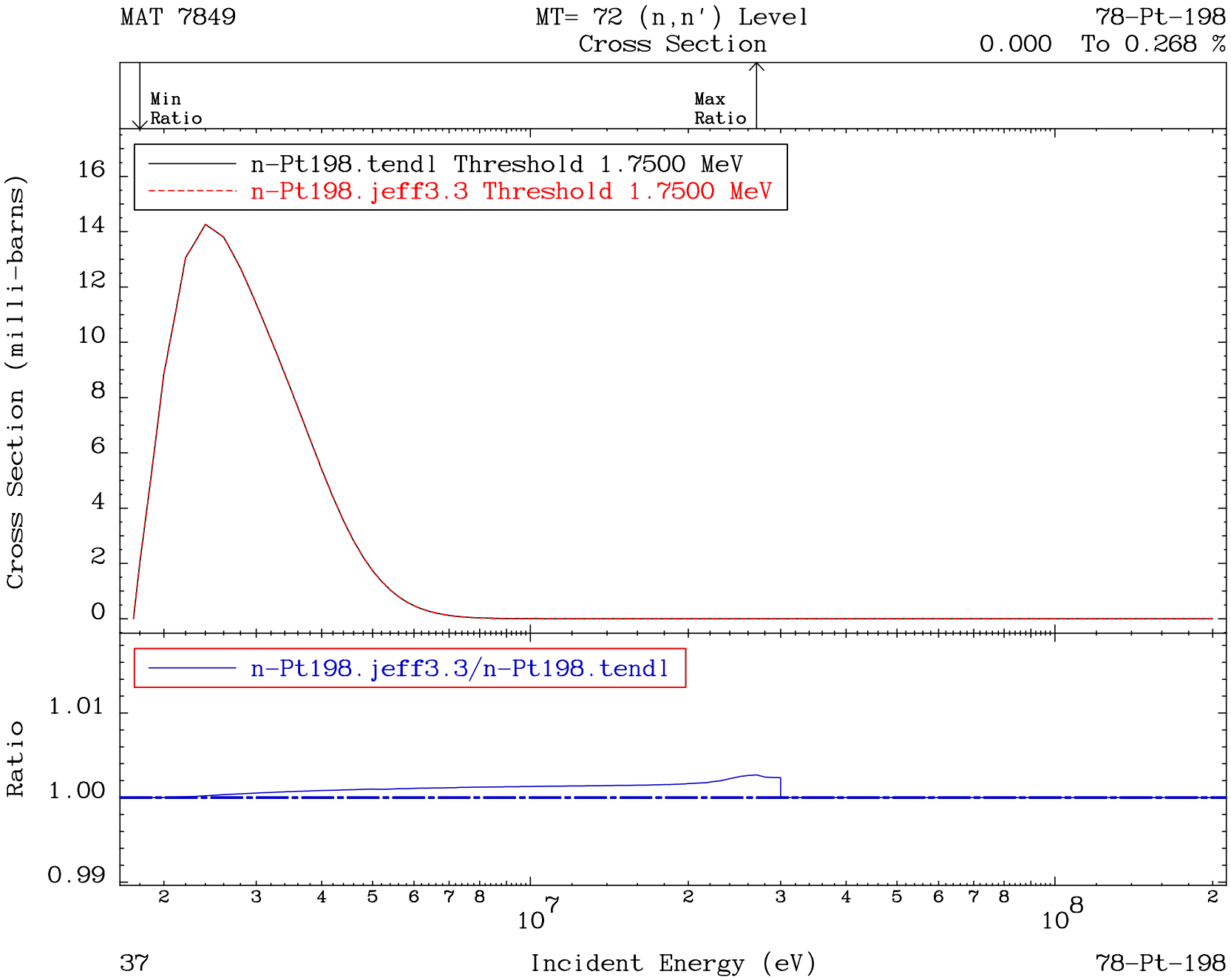

MAT 7849
MT= 67 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.269 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.6807 MeV
n-Pt198.jeff3.3 Threshold 1.6807 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
78-Pt-198

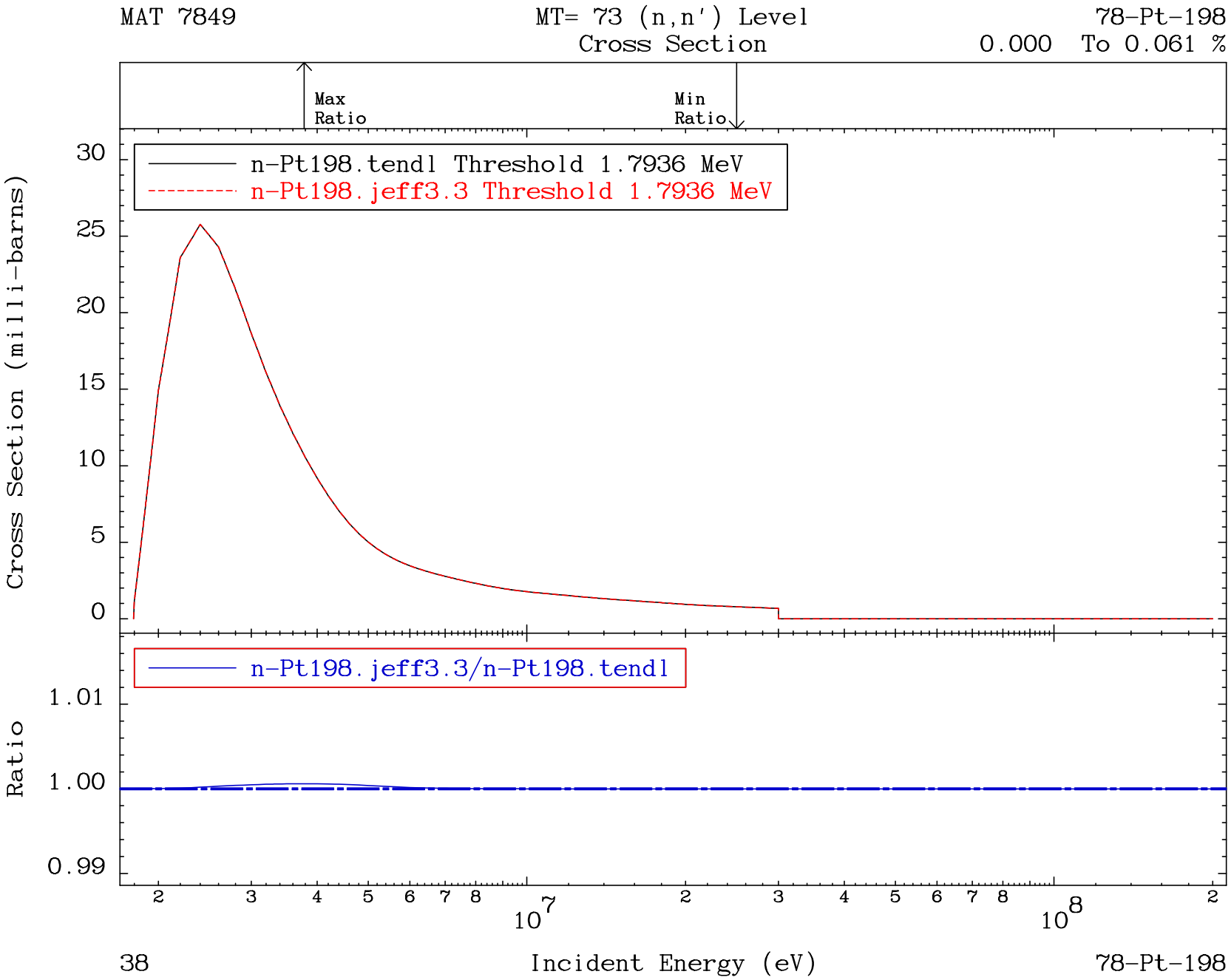

MAT 7849
MT= 68 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.048 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.6889 MeV
n-Pt198.jeff3.3 Threshold 1.6889 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
78-Pt-198

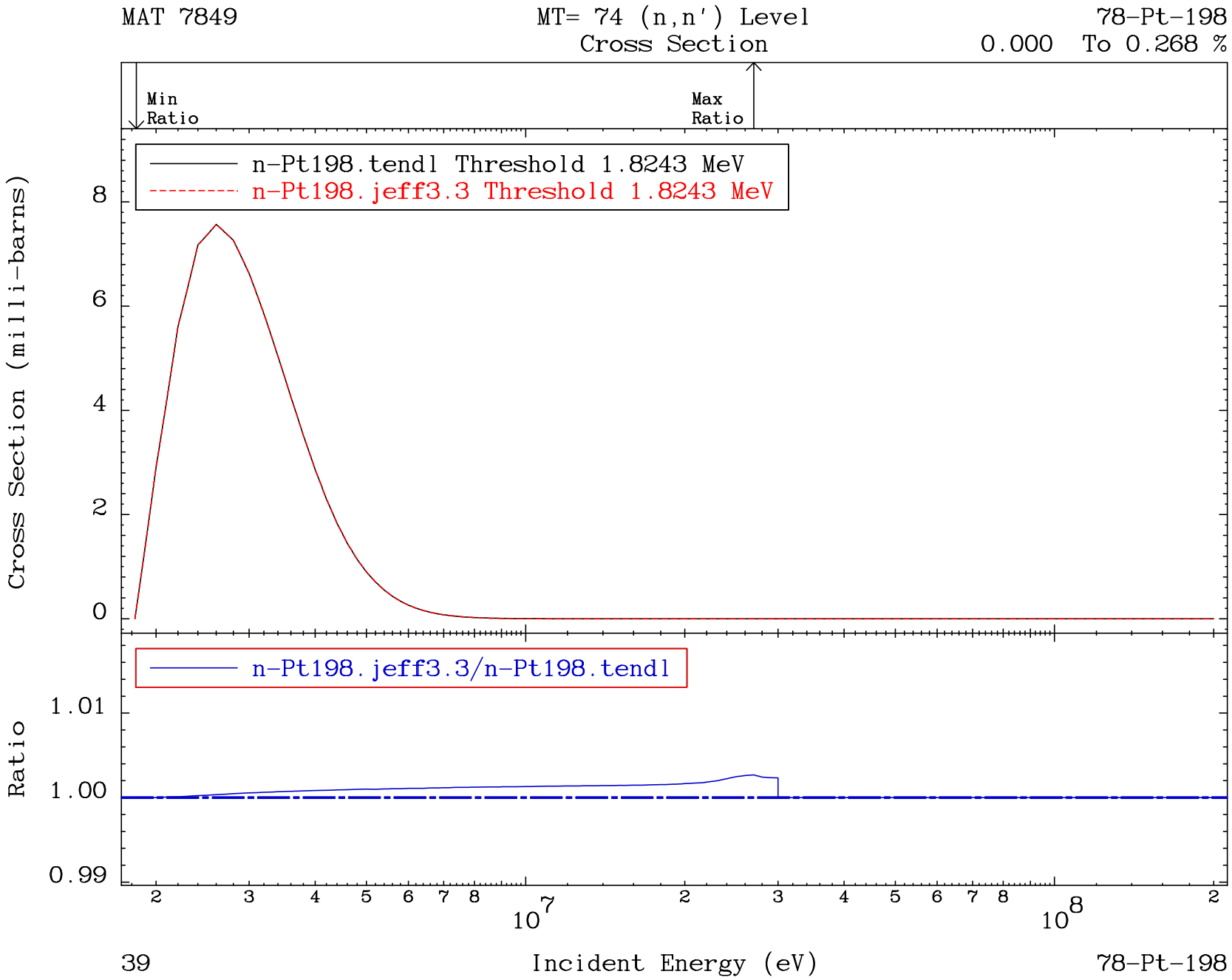

MAT 7849
MT= 69 (n,n') Level
Cross Section
78-Pt-198
-0.001 To 0.064 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.7229 MeV
n-Pt198.jeff3.3 Threshold 1.7229 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
78-Pt-198

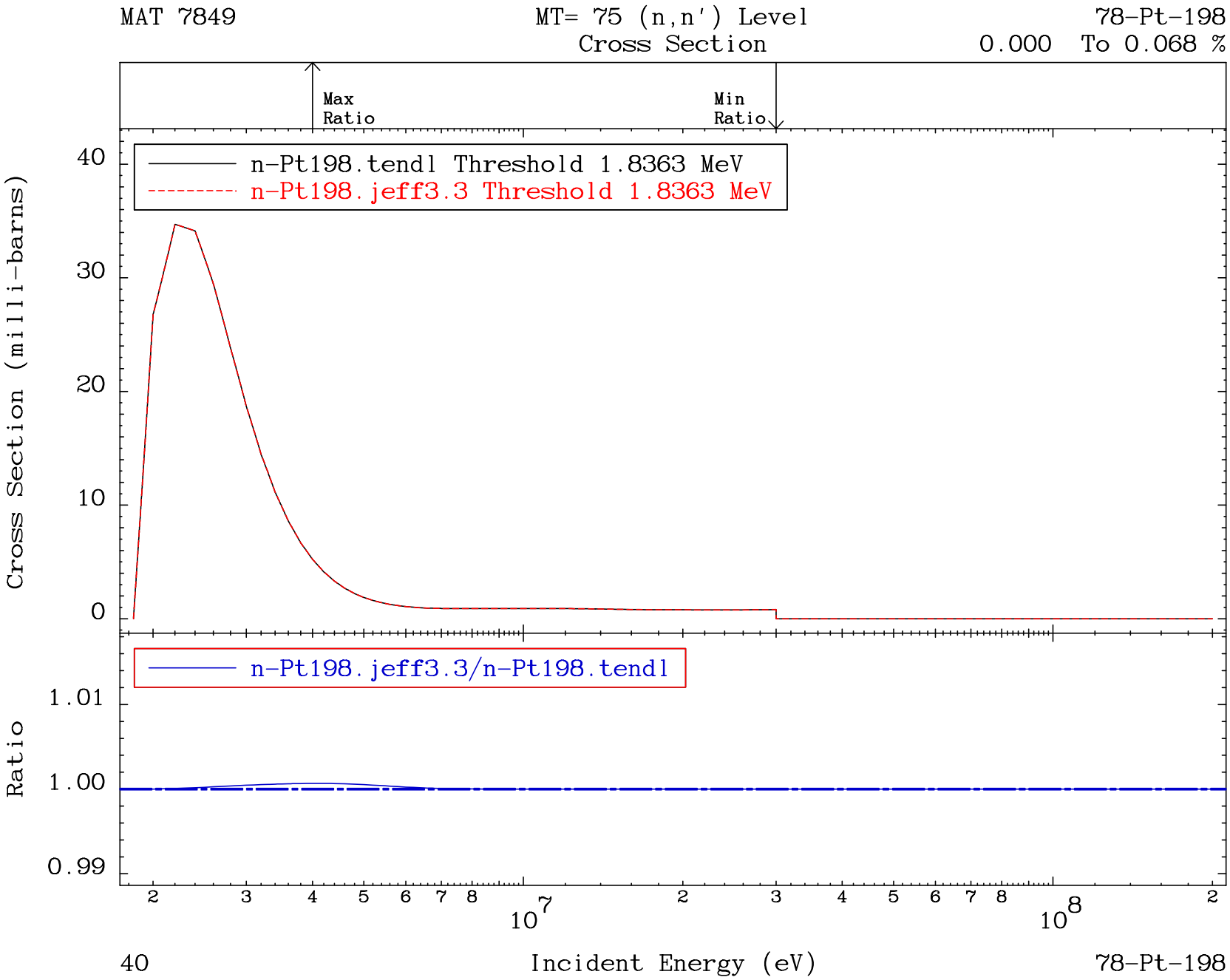

MAT 7849
MT= 70 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.7268 MeV
n-Pt198.jeff3.3 Threshold 1.7268 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
78-Pt-198

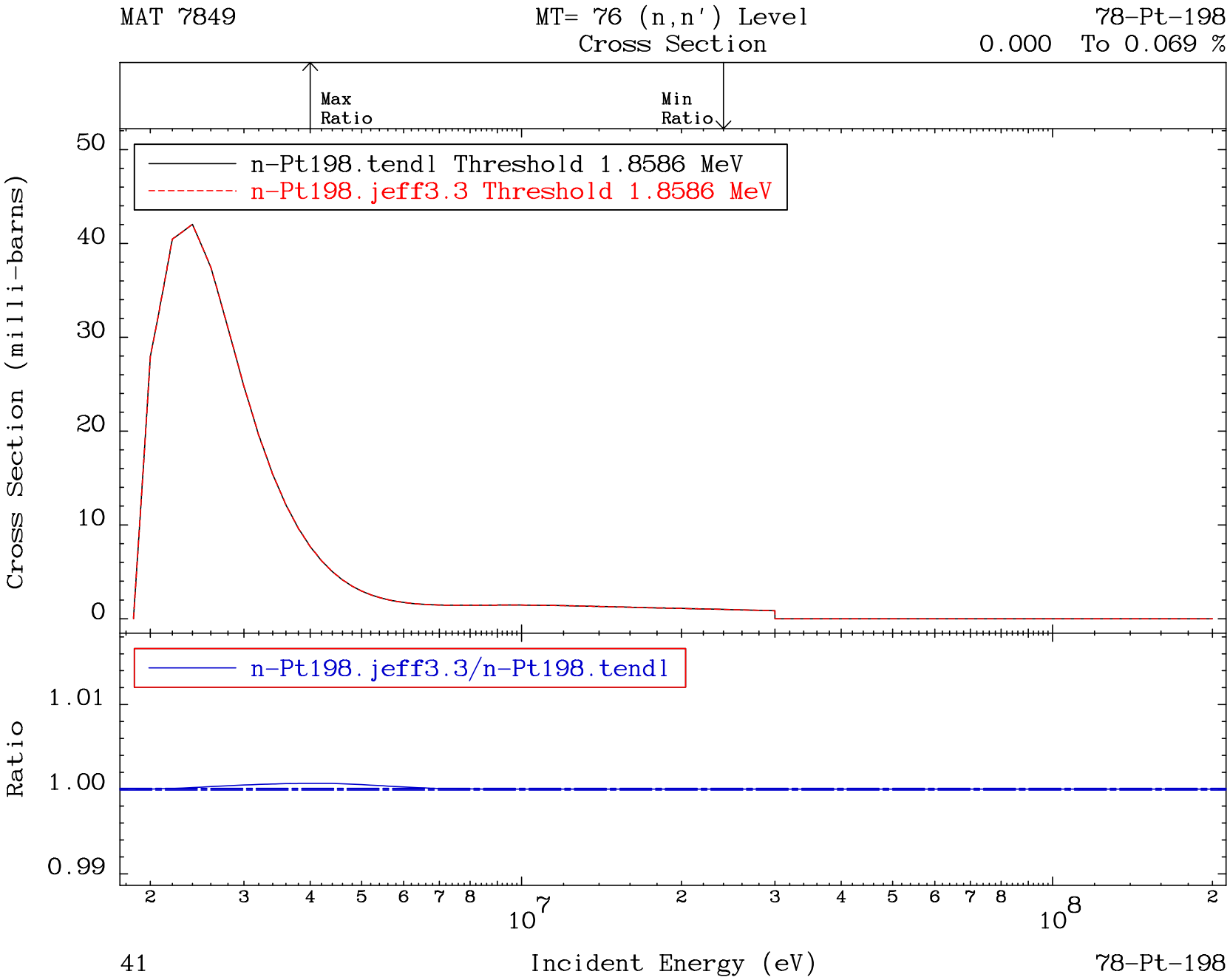

MAT 7849
MT= 71 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.071 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.7308 MeV
n-Pt198.jeff3.3 Threshold 1.7308 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
78-Pt-198

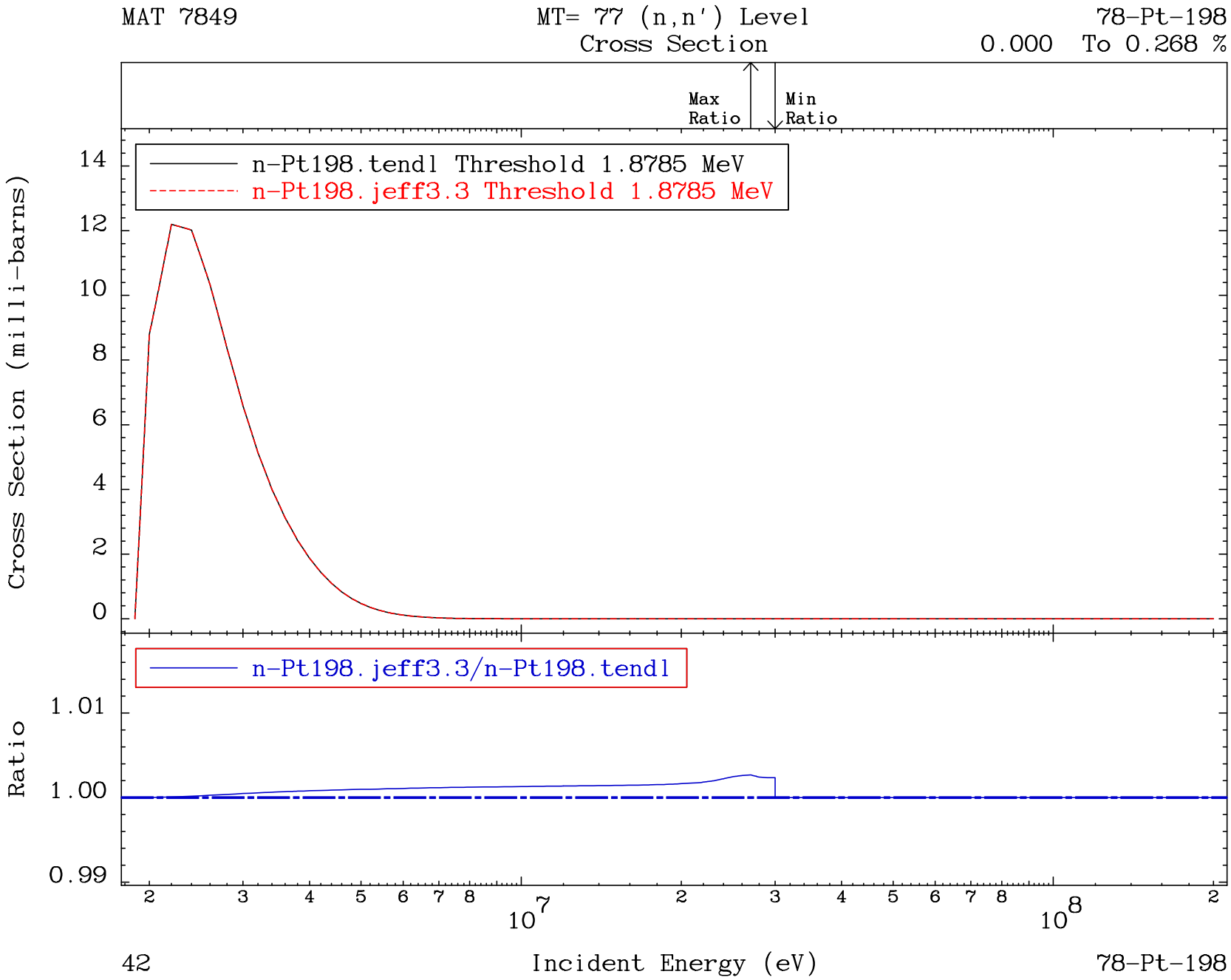

MAT 7849
MT= 72 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.7500 MeV
n-Pt198.jeff3.3 Threshold 1.7500 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
78-Pt-198

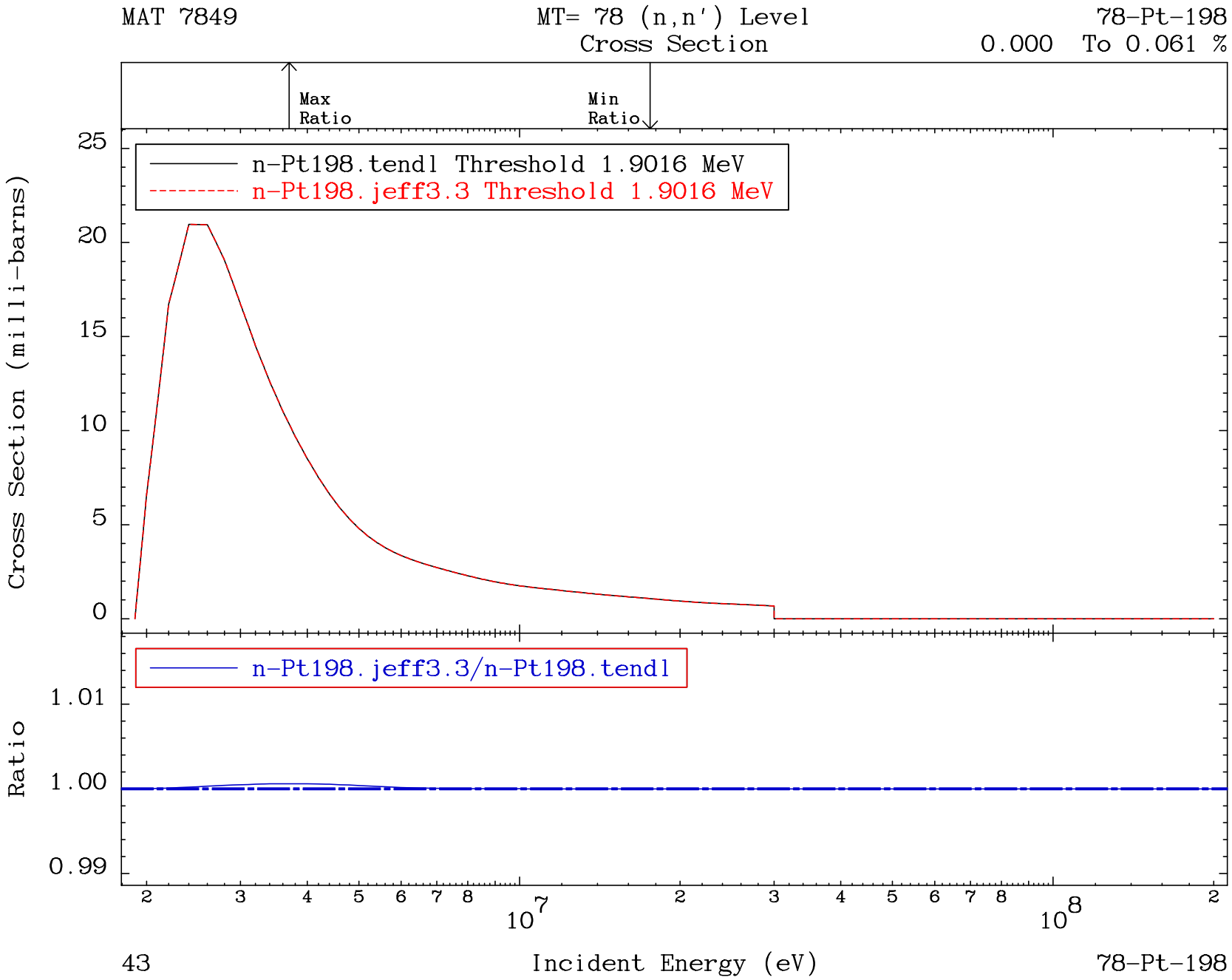

MAT 7849
MT= 73 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.061 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.7936 MeV
n-Pt198.jeff3.3 Threshold 1.7936 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
78-Pt-198

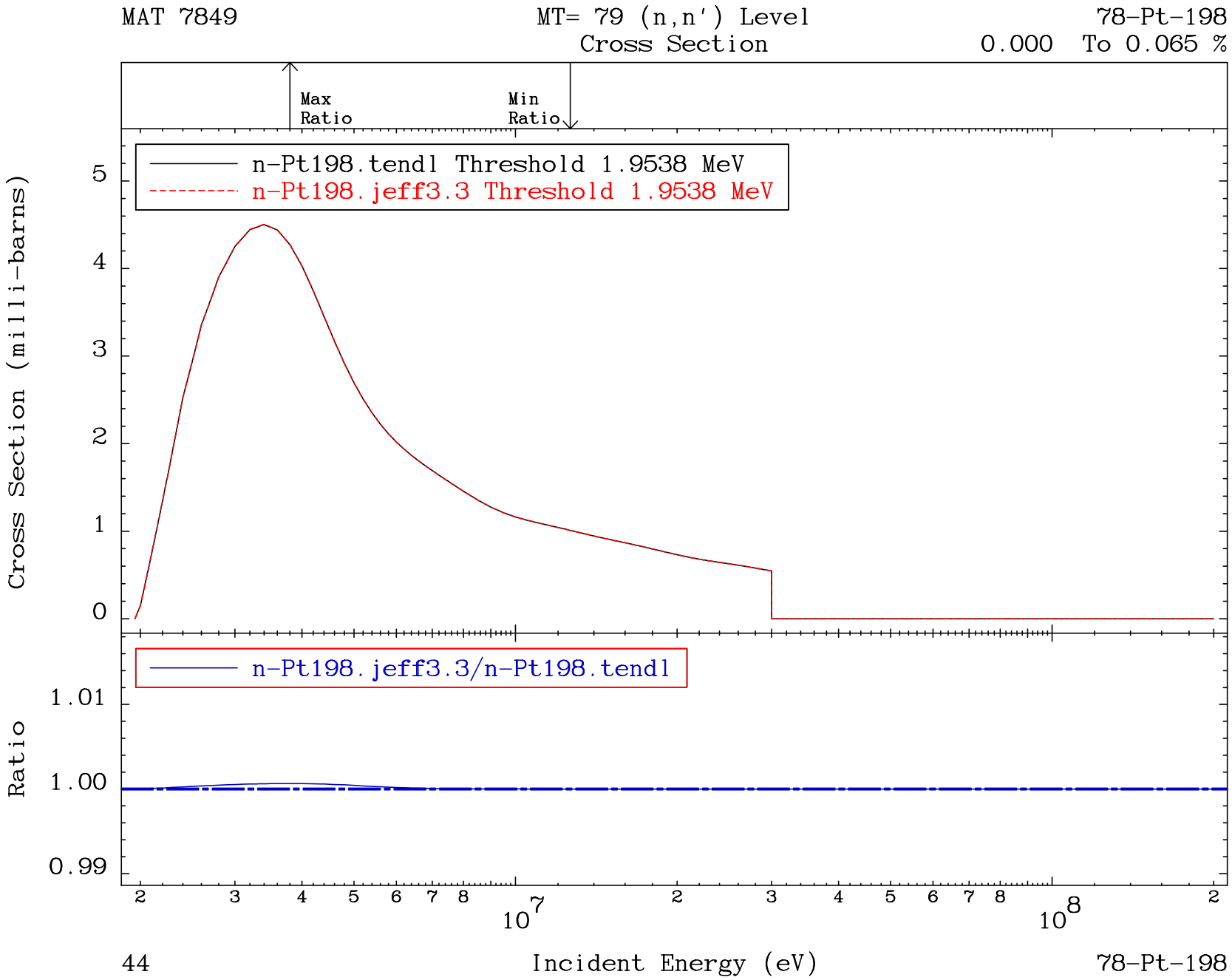

MAT 7849
MT= 74 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.8243 MeV
n-Pt198.jeff3.3 Threshold 1.8243 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
78-Pt-198

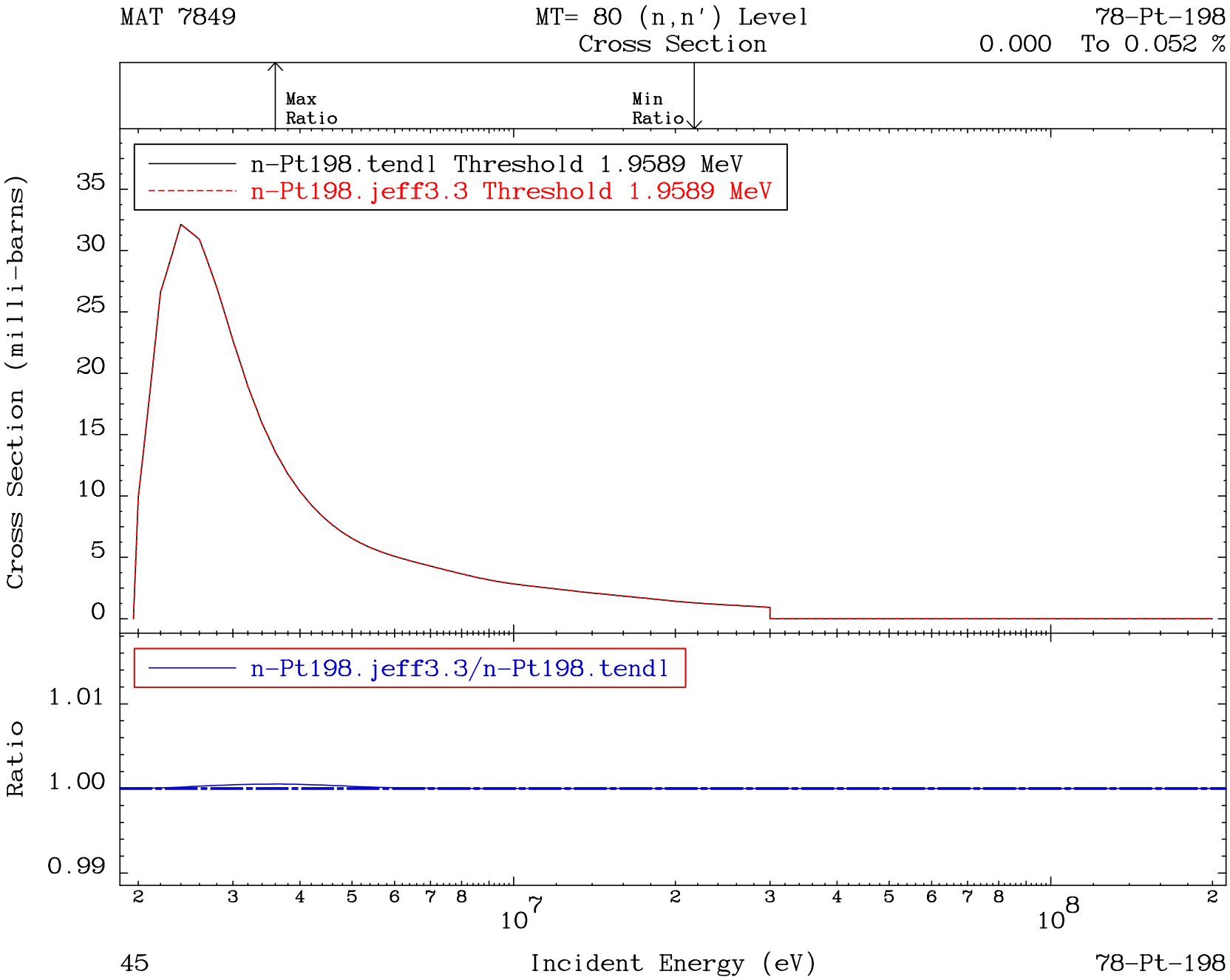

MAT 7849
MT= 75 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.068 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.8363 MeV
n-Pt198.jeff3.3 Threshold 1.8363 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
78-Pt-198

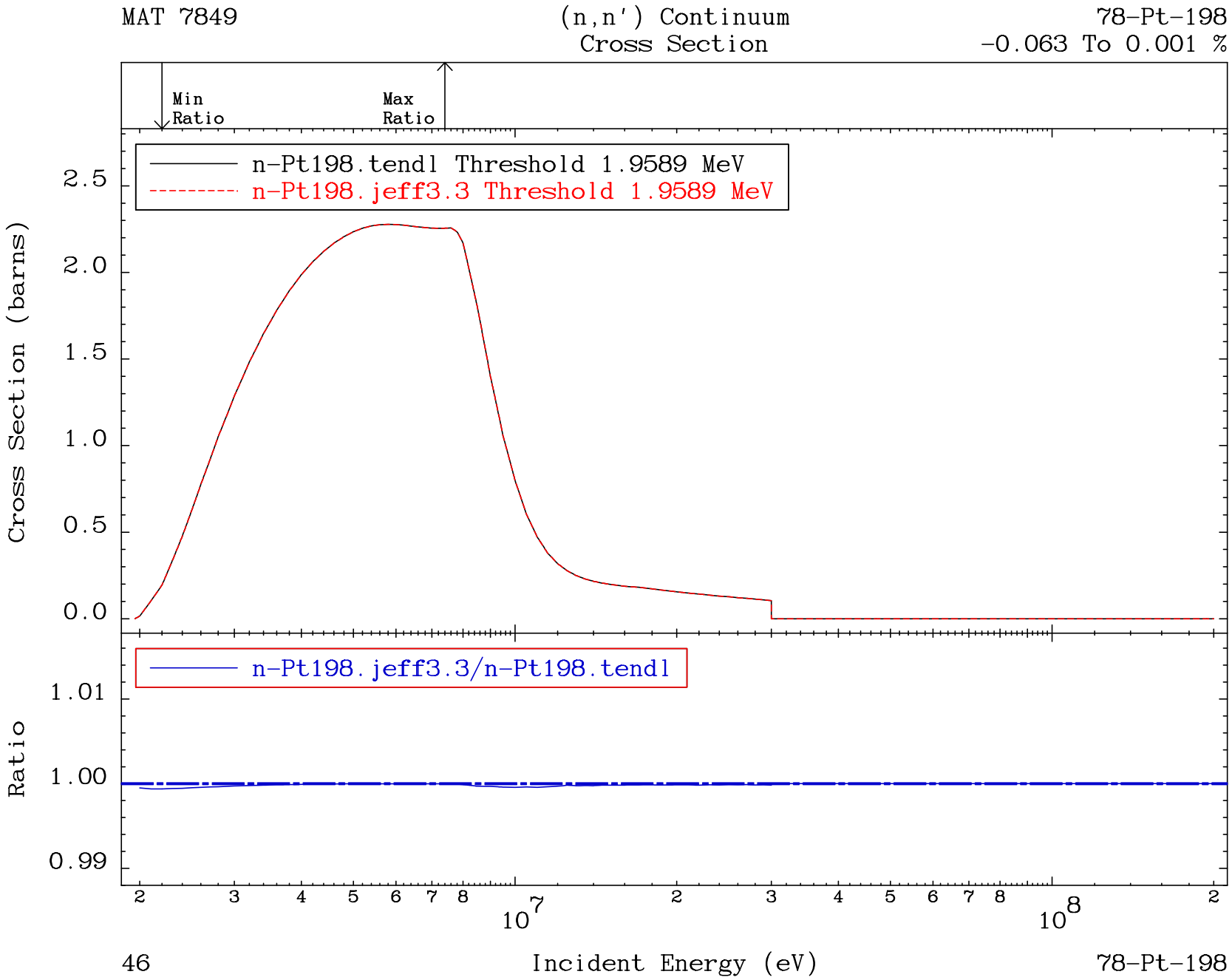

MAT 7849
MT= 76 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.069 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.8586 MeV
n-Pt198.jeff3.3 Threshold 1.8586 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
78-Pt-198

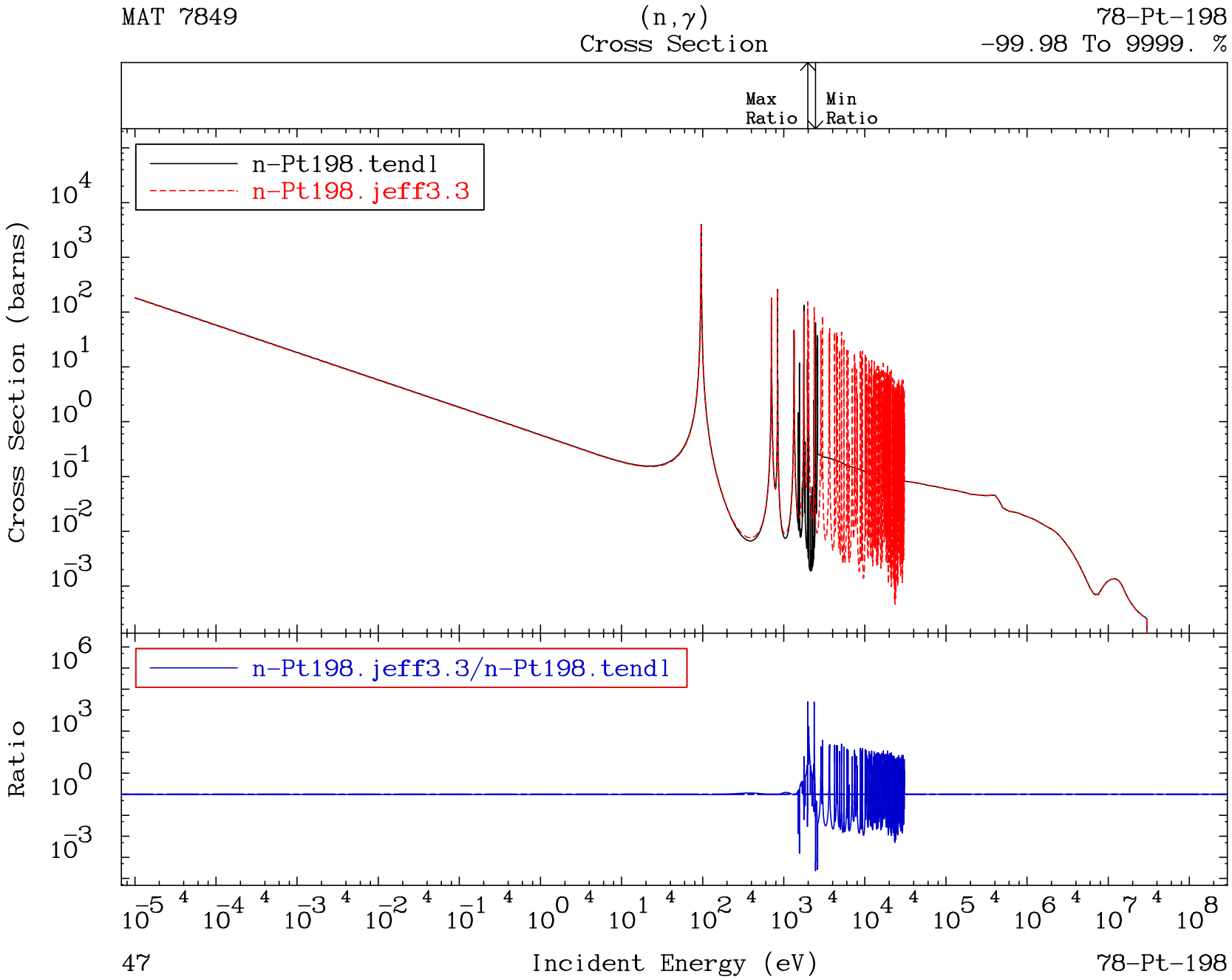

MAT 7849
MT= 77 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.268 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.8785 MeV
n-Pt198.jeff3.3 Threshold 1.8785 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
78-Pt-198

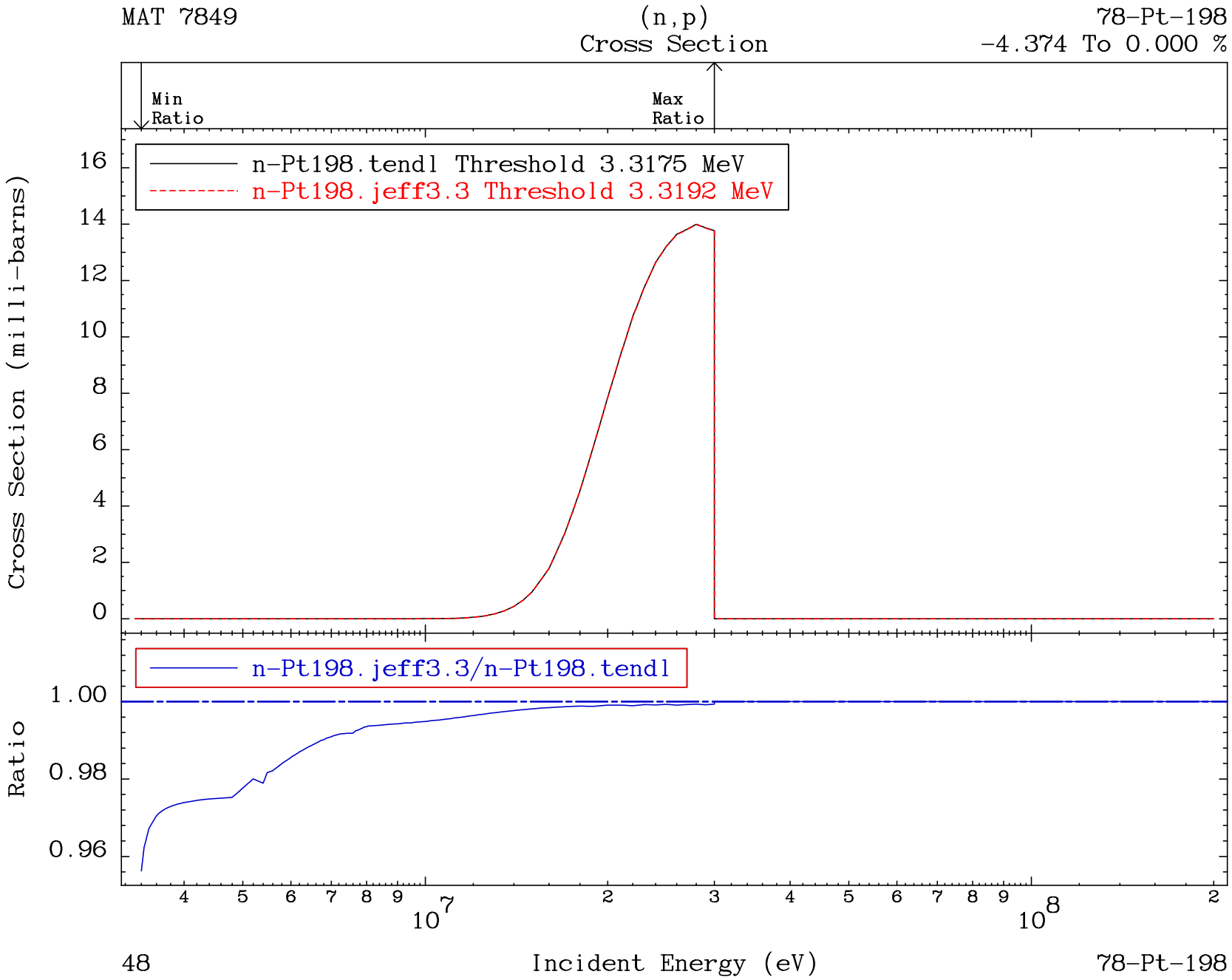

MAT 7849
MT= 78 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.061 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.9016 MeV
n-Pt198.jeff3.3 Threshold 1.9016 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
78-Pt-198

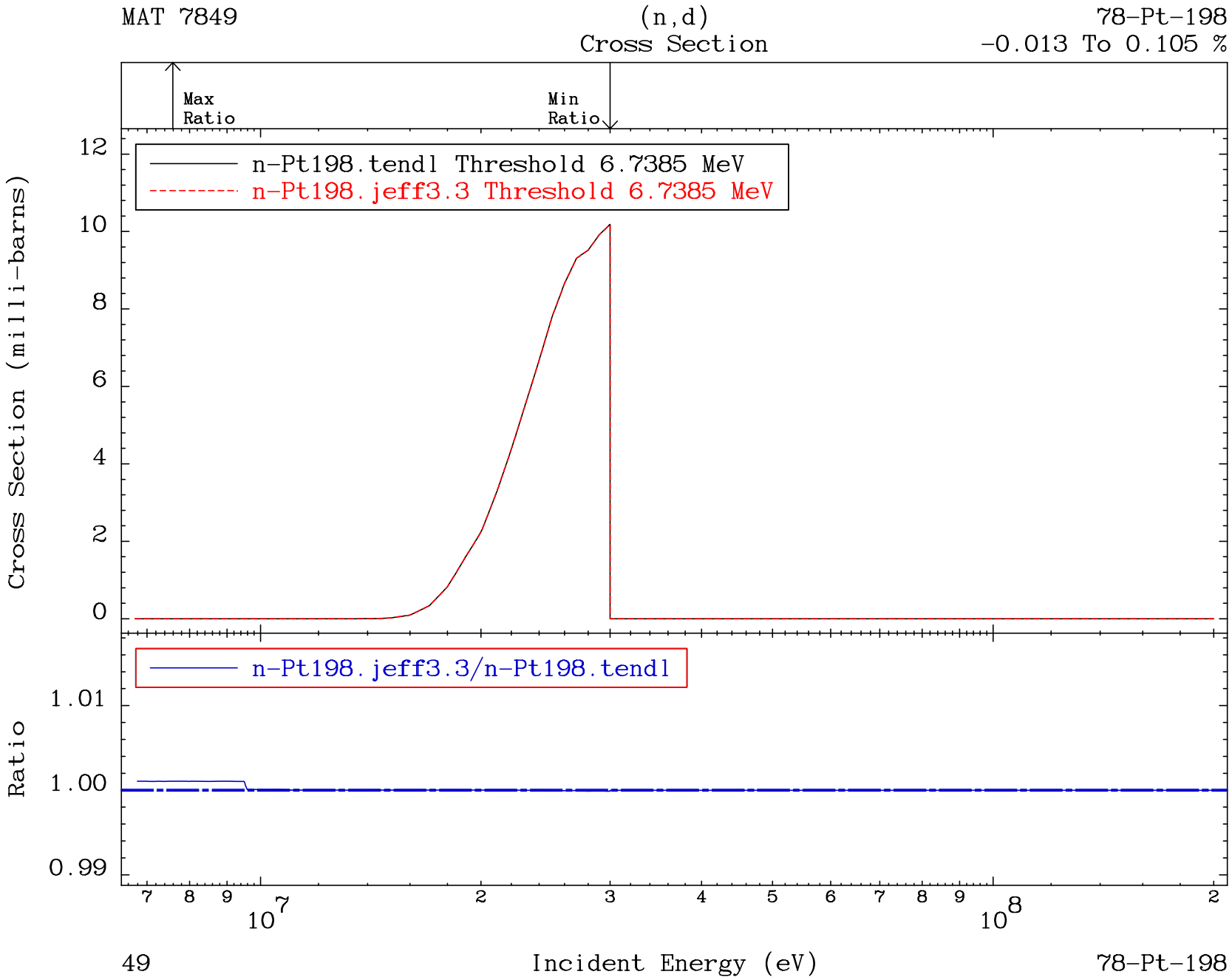

MAT 7849
MT= 79 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.065 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.9538 MeV
n-Pt198.jeff3.3 Threshold 1.9538 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
44
78-Pt-198

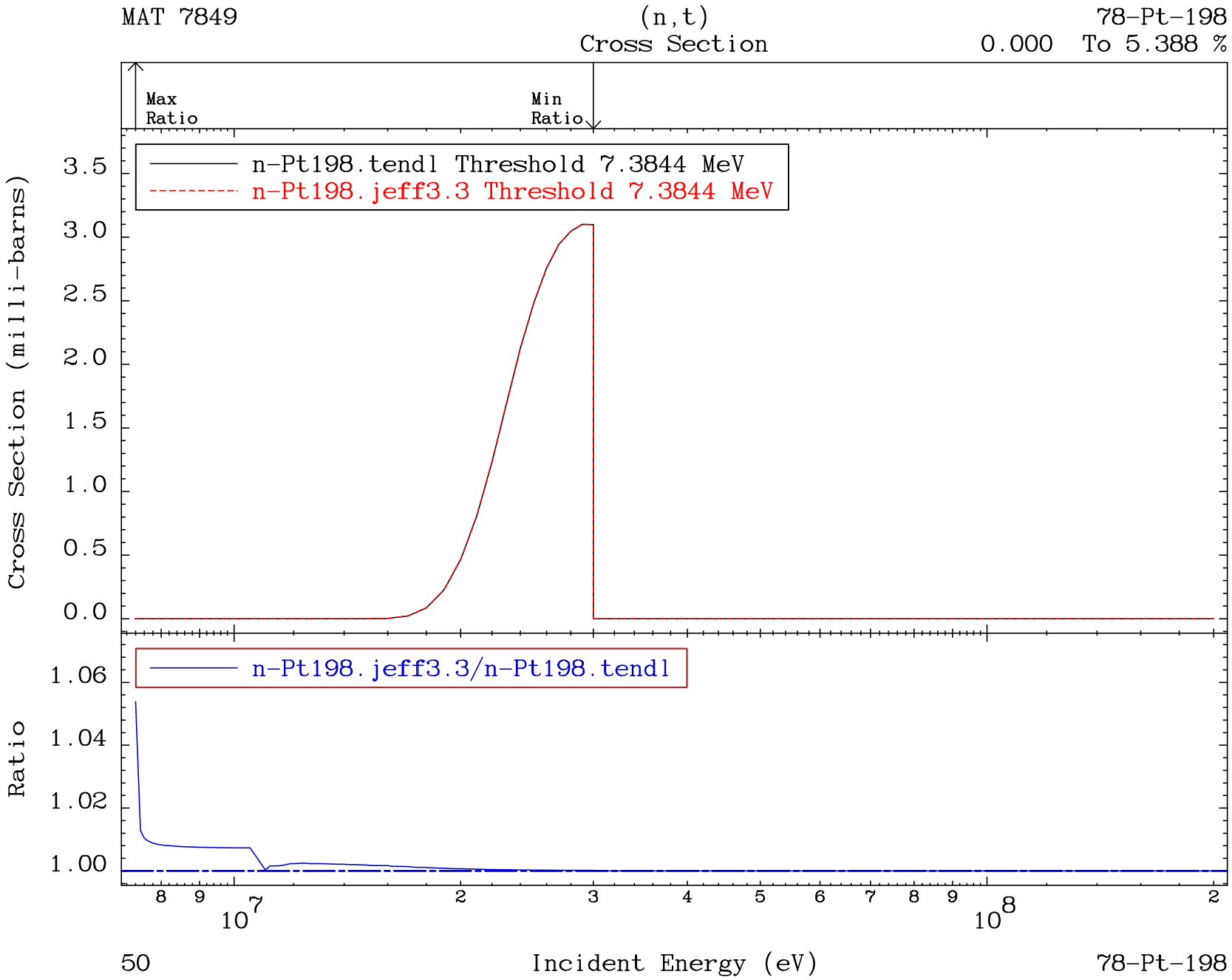

MAT 7849
MT= 80 (n,n') Level
Cross Section
78-Pt-198
0.000 To 0.052 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.9589 MeV
n-Pt198.jeff3.3 Threshold 1.9589 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
78-Pt-198

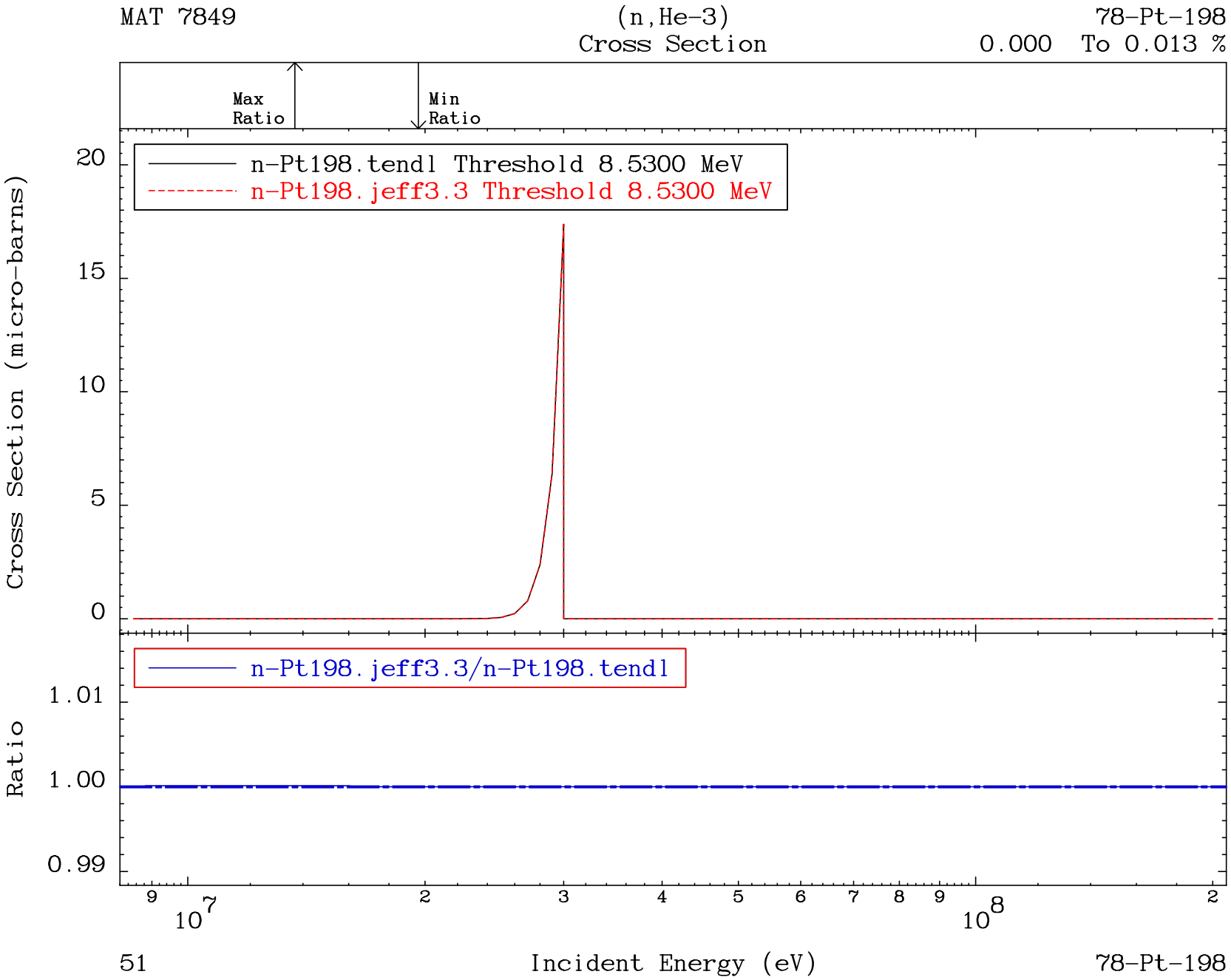

MAT 7849
(n,n') Continuum
Cross Section
78-Pt-198
-0.063 To 0.001 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 1.9589 MeV
n-Pt198.jeff3.3 Threshold 1.9589 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
78-Pt-198

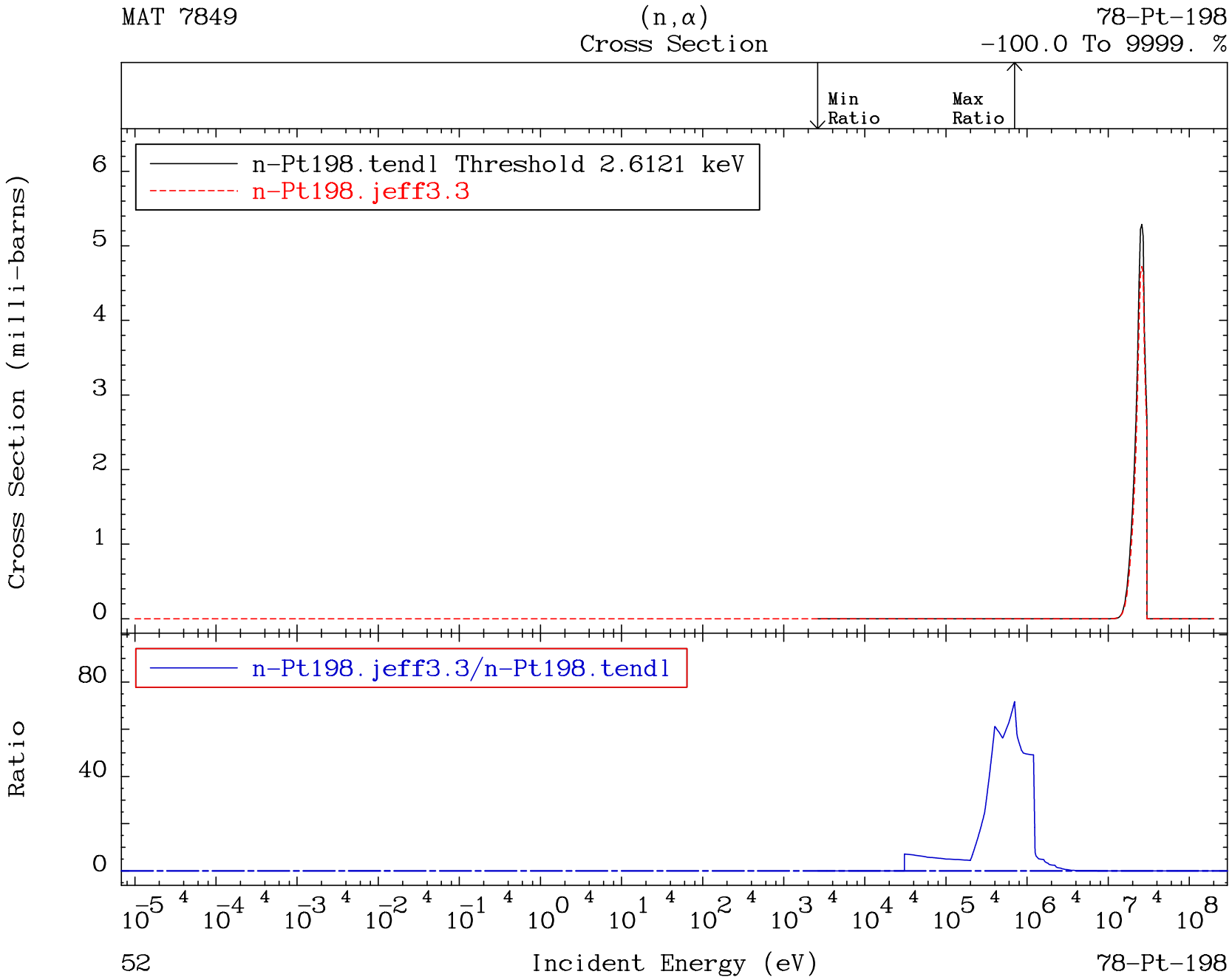

MAT 7849
(n,γ)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
47
78-Pt-198

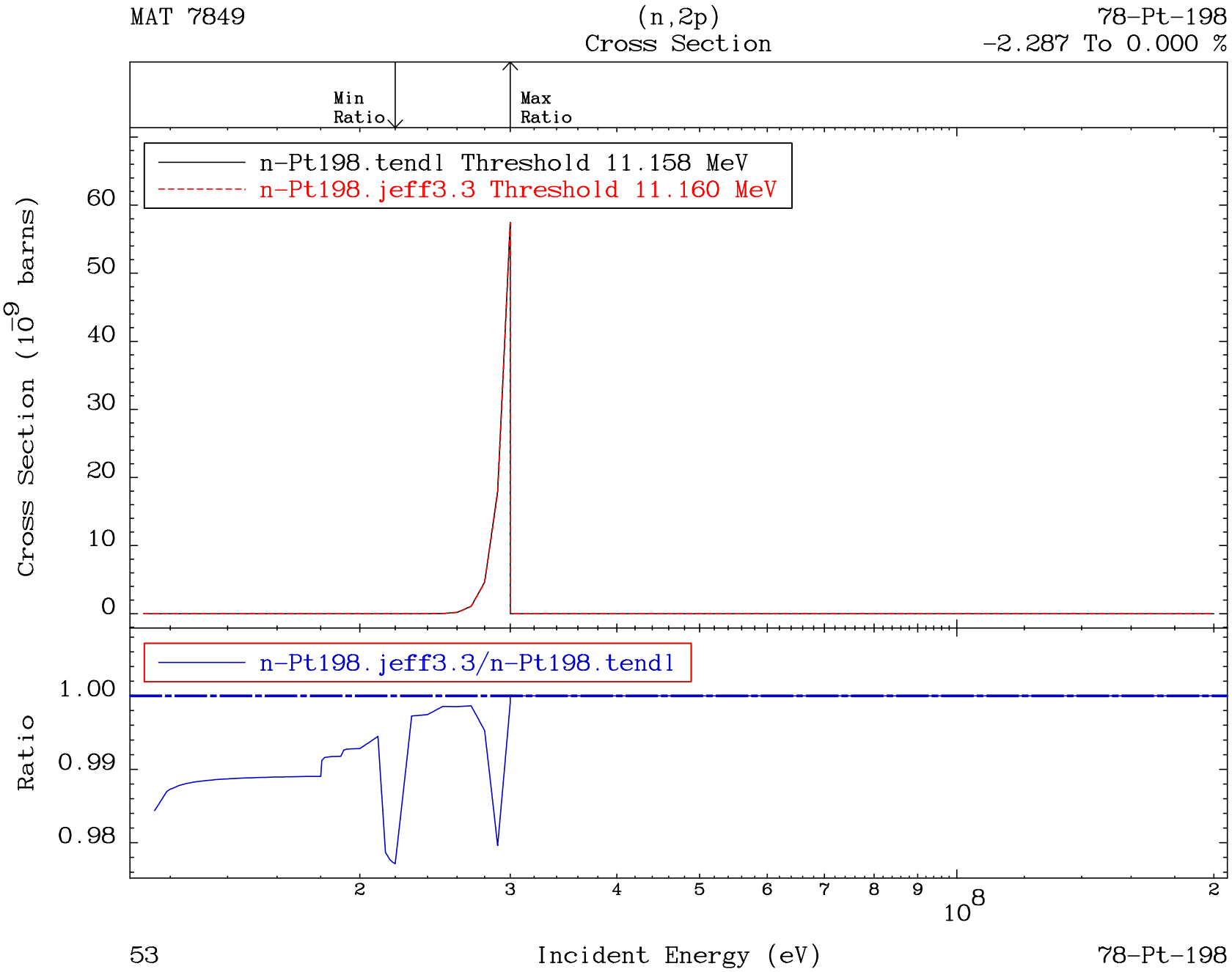

MAT 7849
(n,p)
Cross Section
78-Pt-198
-4.374 To 0.000 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 3.3175 MeV
n-Pt198.jeff3.3 Threshold 3.3192 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
0.98
0.96
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
78-Pt-198

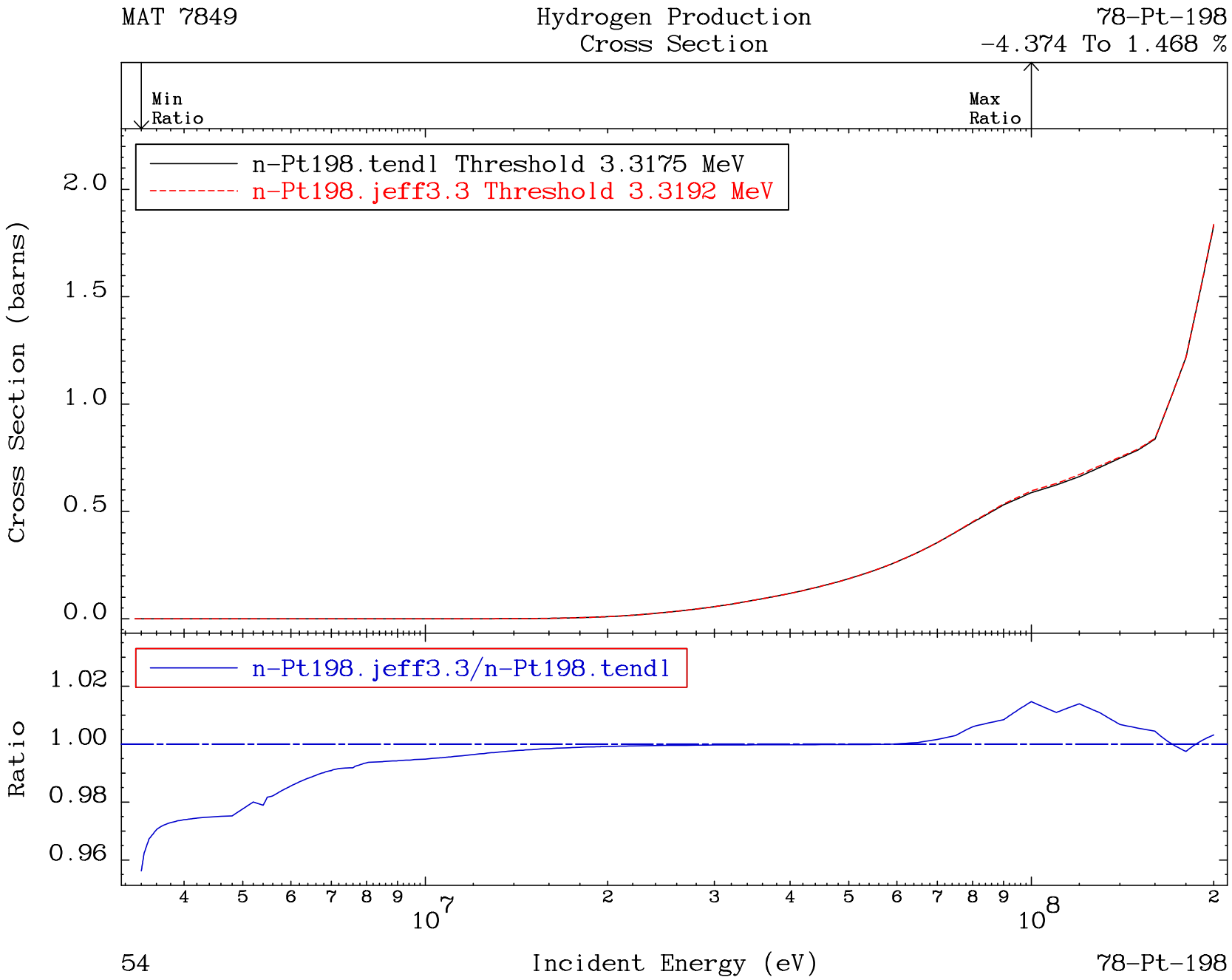

MAT 7849
(n,d)
Cross Section
78-Pt-198
-0.013 To 0.105 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 6.7385 MeV
n-Pt198.jeff3.3 Threshold 6.7385 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
49
Incident Energy (eV)
78-Pt-198

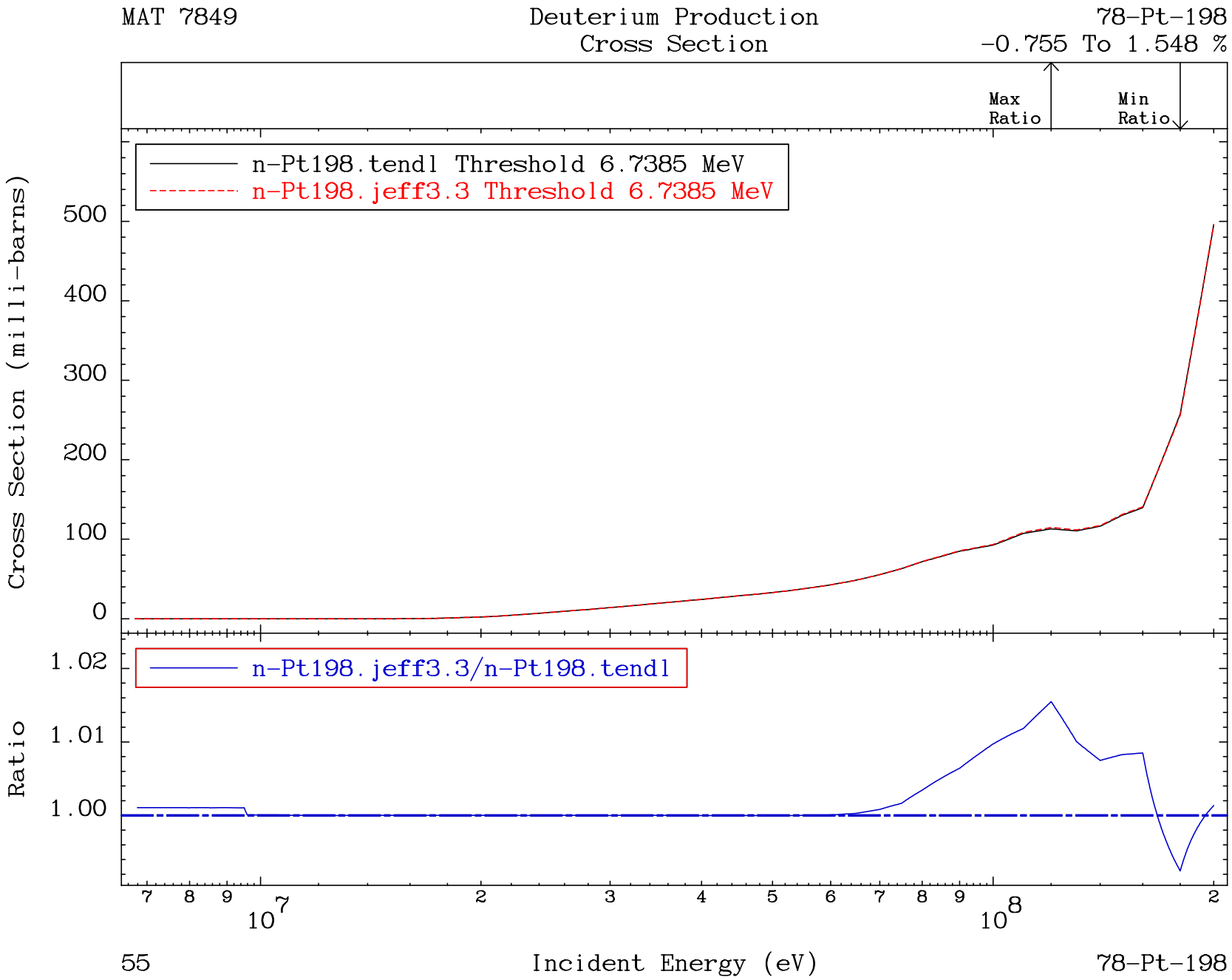

MAT 7849
(n,t)
Cross Section
78-Pt-198
0.000 To 5.388 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.3844 MeV
n-Pt198.jeff3.3 Threshold 7.3844 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.06
1.04
1.02
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
78-Pt-198

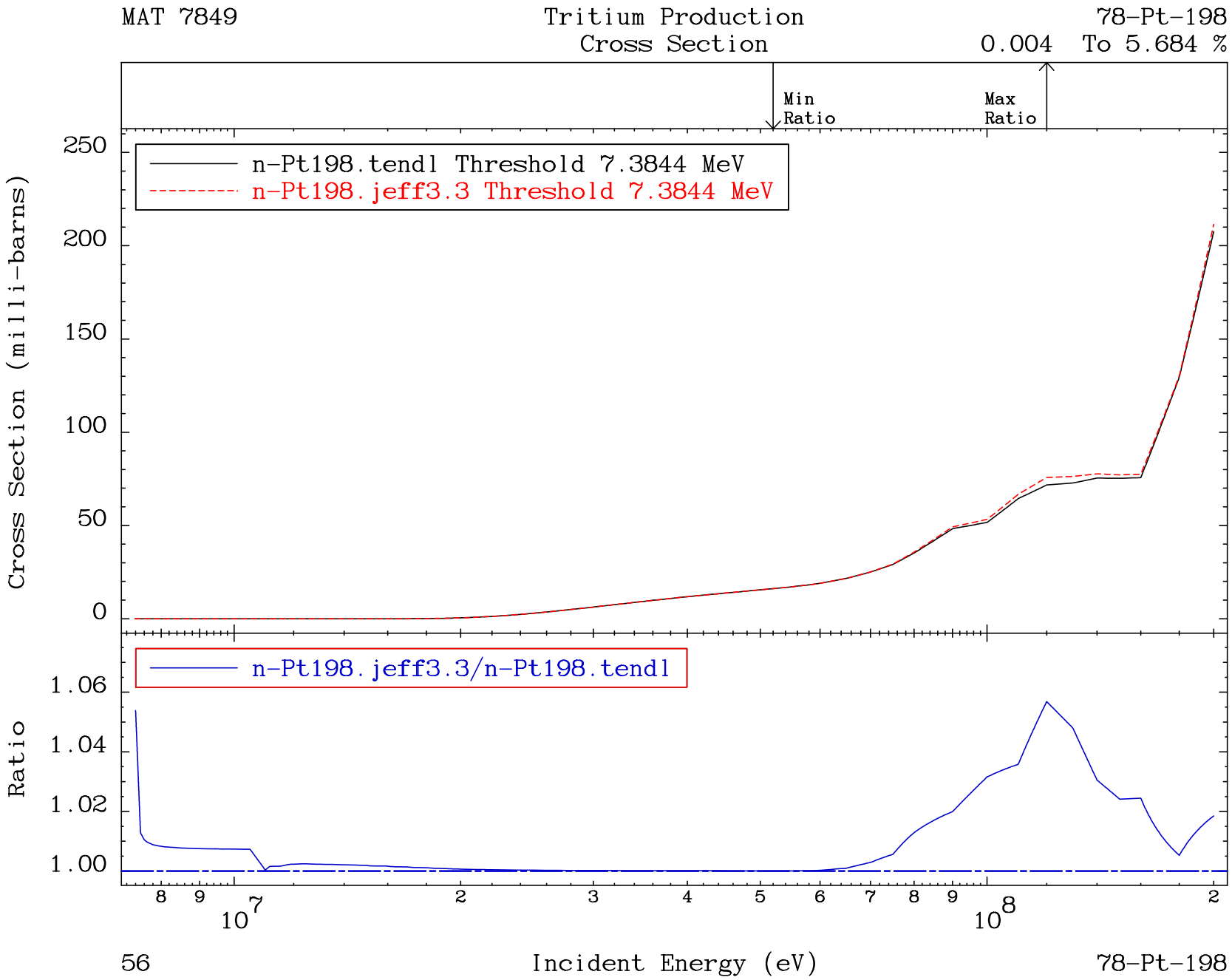

MAT 7849
(n,He-3)
Cross Section
78-Pt-198
0.000 To 0.013 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 8.5300 MeV
n-Pt198.jeff3.3 Threshold 8.5300 MeV
Cross Section (micro-barns)
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
78-Pt-198

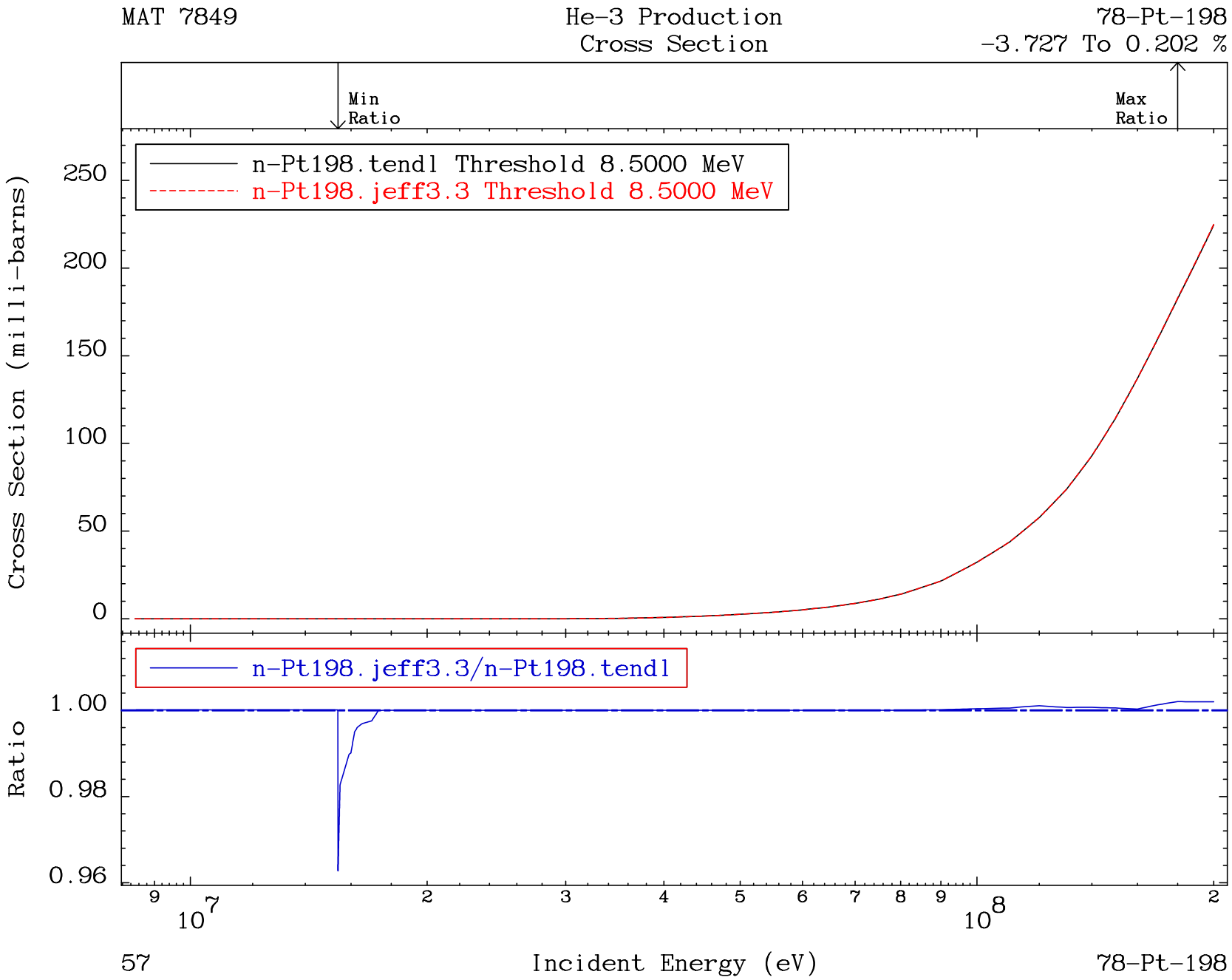

MAT 7849
(n,α)
Cross Section
78-Pt-198
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 2.6121 keV
n-Pt198.jeff3.3
n-Pt198.jeff3.3/n-Pt198.tendl
Cross Section (milli-barns)
Ratio
Incident Energy (eV)
52
78-Pt-198

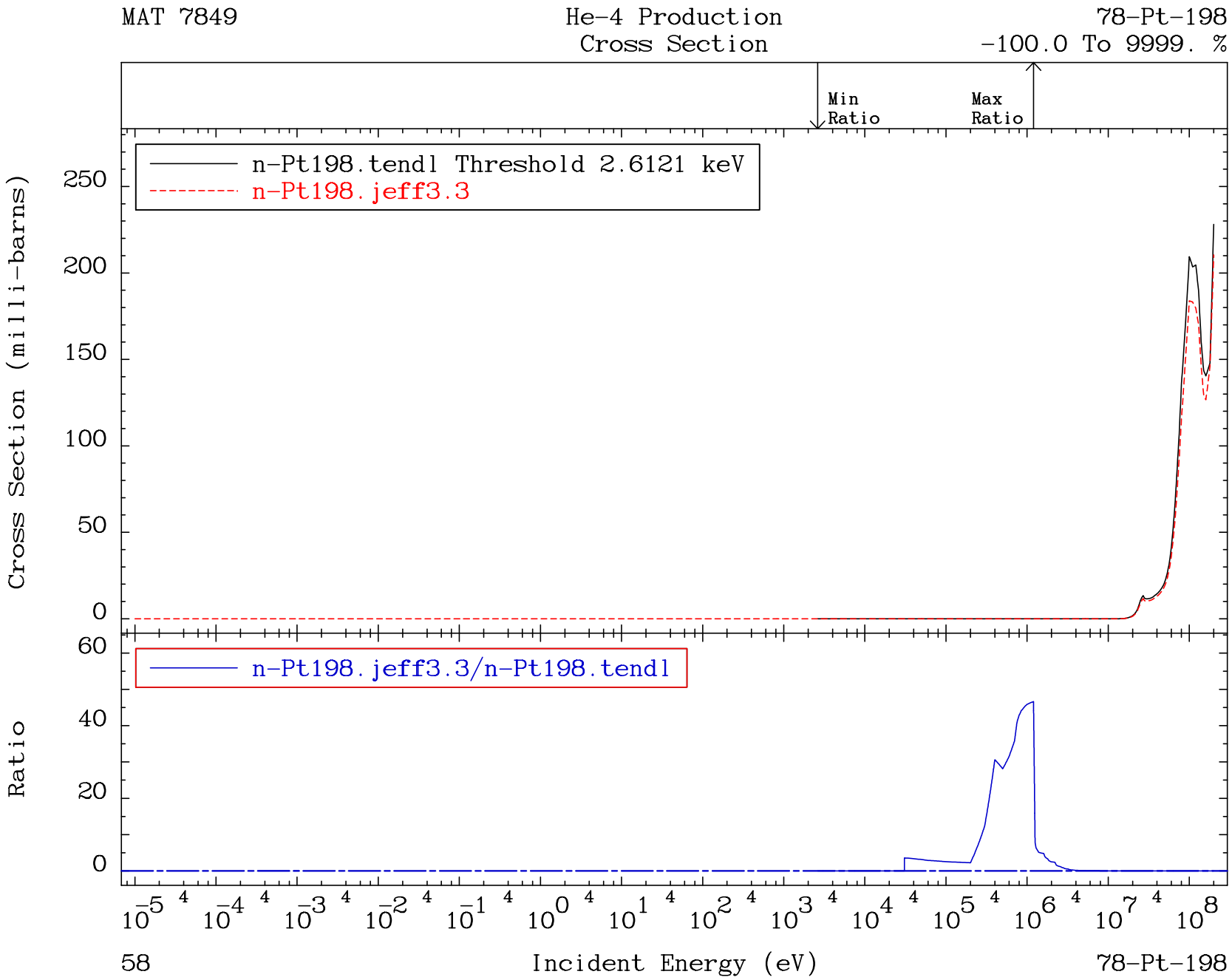

MAT 7849
(n,2p)
Cross Section
78-Pt-198
-2.287 To 0.000 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 11.158 MeV
n-Pt198.jeff3.3 Threshold 11.160 MeV
Cross Section (10^{-9} barns)
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
78-Pt-198

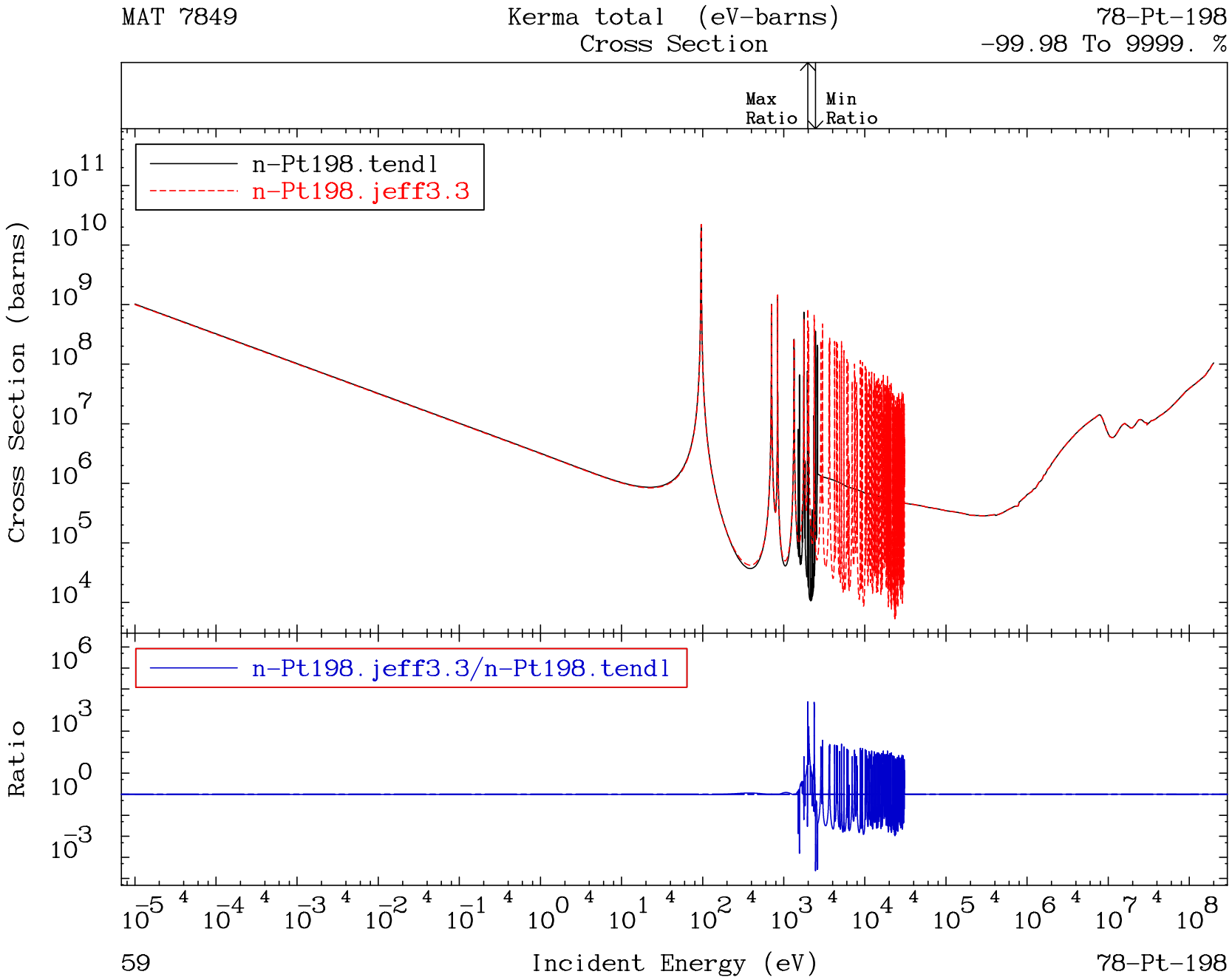

MAT 7849
Hydrogen Production
Cross Section
78-Pt-198
-4.374 To 1.468 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 3.3175 MeV
n-Pt198.jeff3.3 Threshold 3.3192 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.00
0.98
0.96
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
78-Pt-198

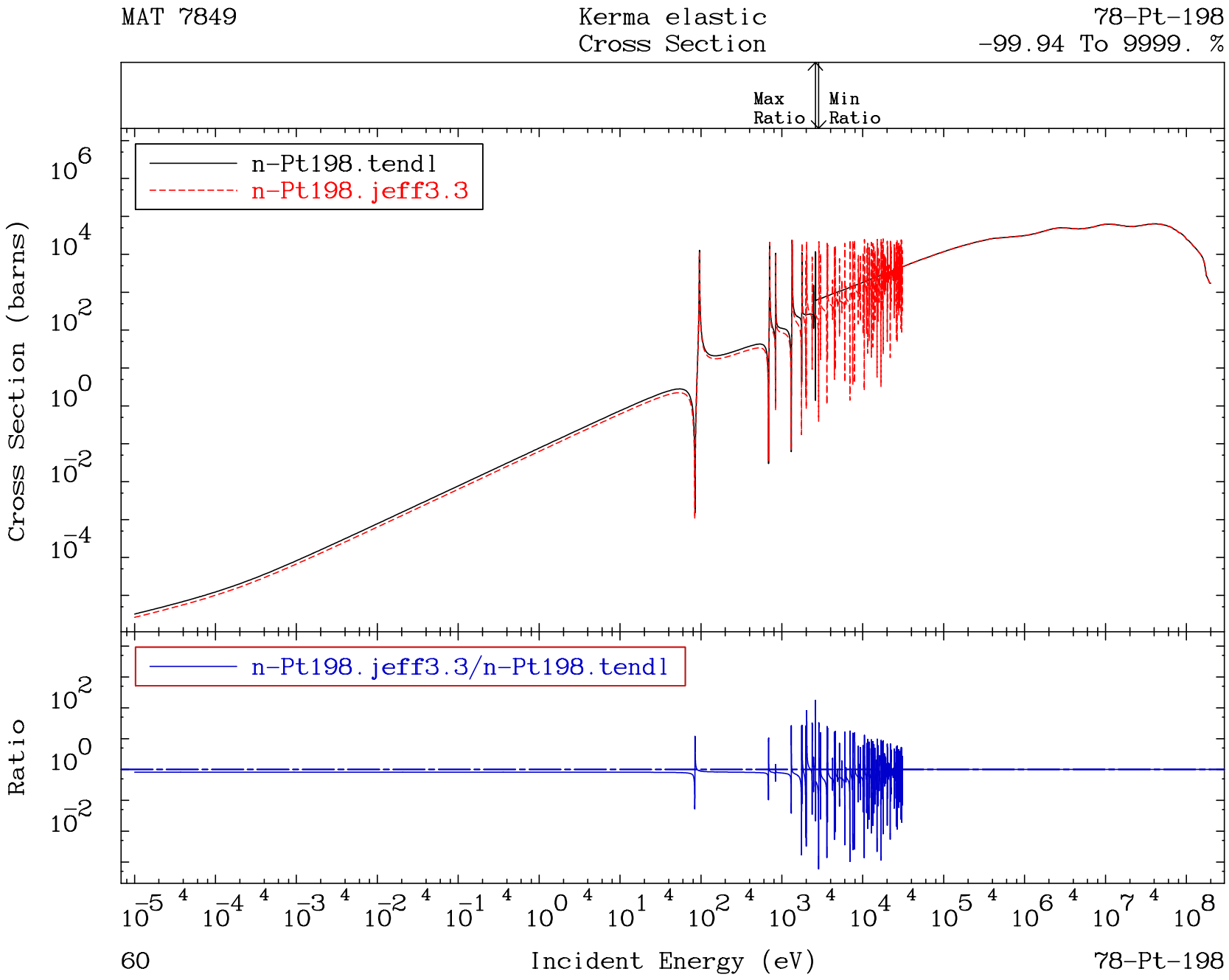

MAT 7849
Deuterium Production
Cross Section
78-Pt-198
-0.755 To 1.548 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 6.7385 MeV
n-Pt198.jeff3.3 Threshold 6.7385 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
78-Pt-198

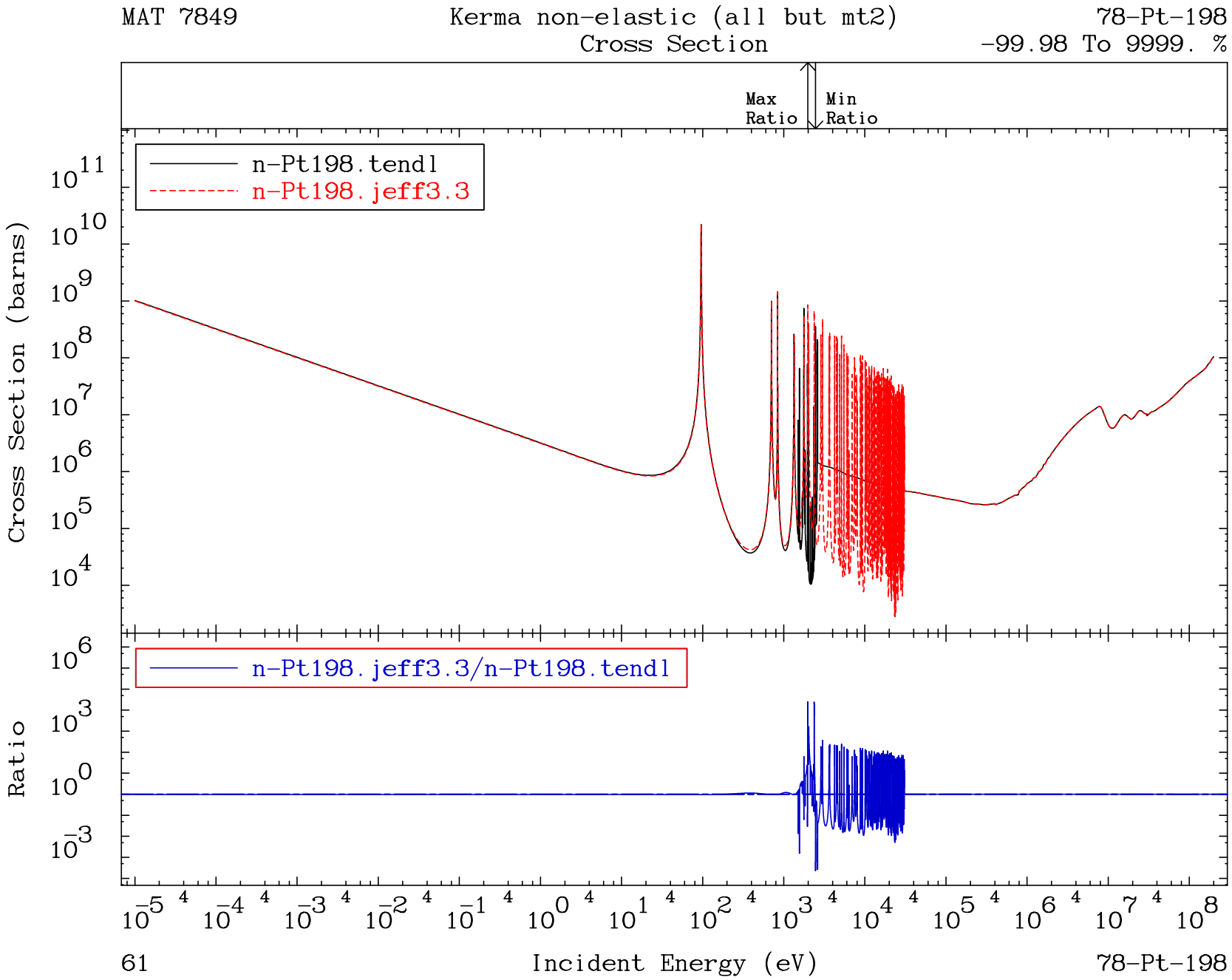

MAT 7849
Tritium Production
Cross Section
78-Pt-198
0.004 To 5.684 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 7.3844 MeV
n-Pt198.jeff3.3 Threshold 7.3844 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.06
1.04
1.02
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
56
Incident Energy (eV)
78-Pt-198

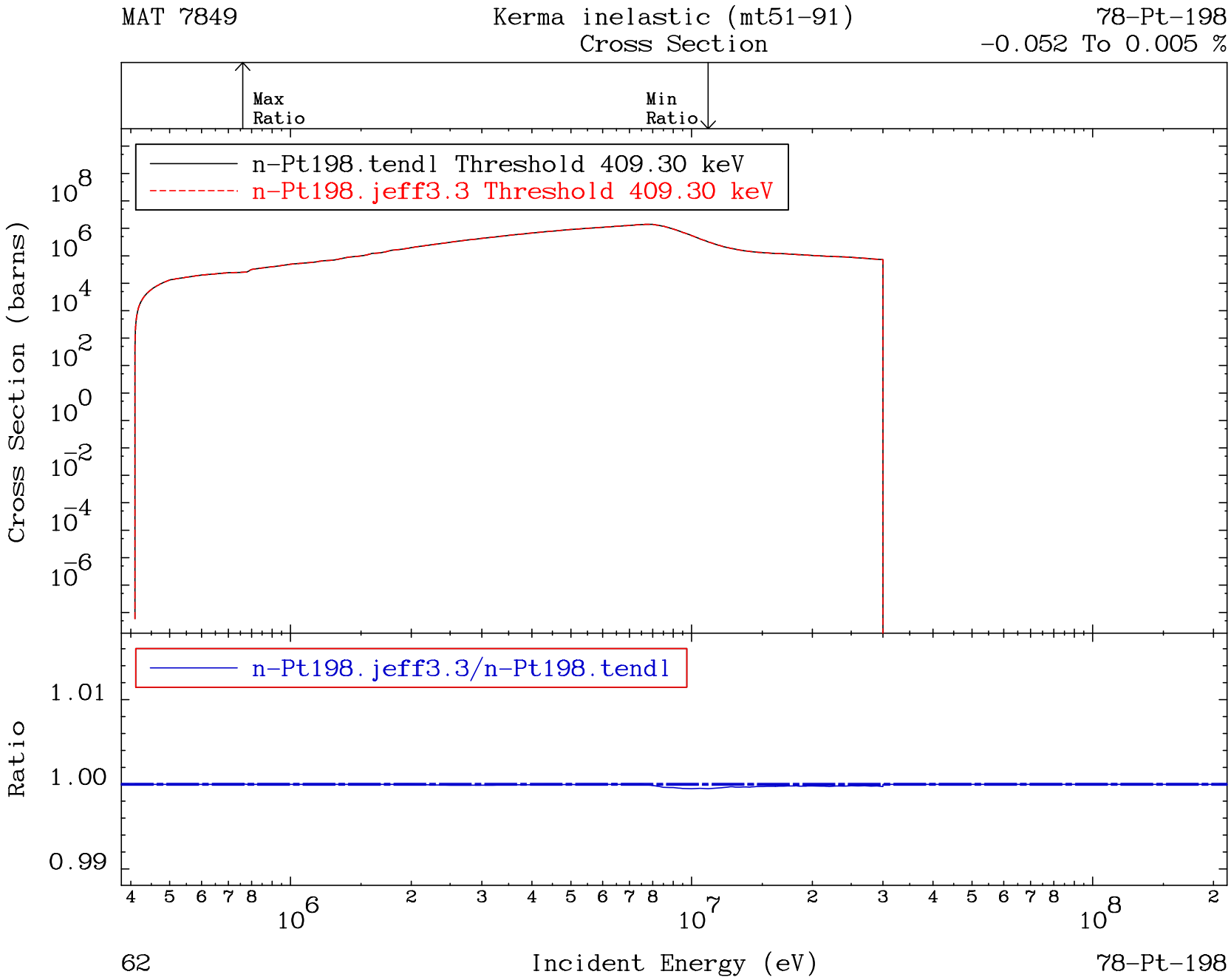

MAT 7849
He-3 Production
Cross Section
78-Pt-198
-3.727 To 0.202 %
Min
Ratio
Max
Ratio
n-Pt198.tendl Threshold 8.5000 MeV
n-Pt198.jeff3.3 Threshold 8.5000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
0.98
0.96
9
10^7
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
78-Pt-198

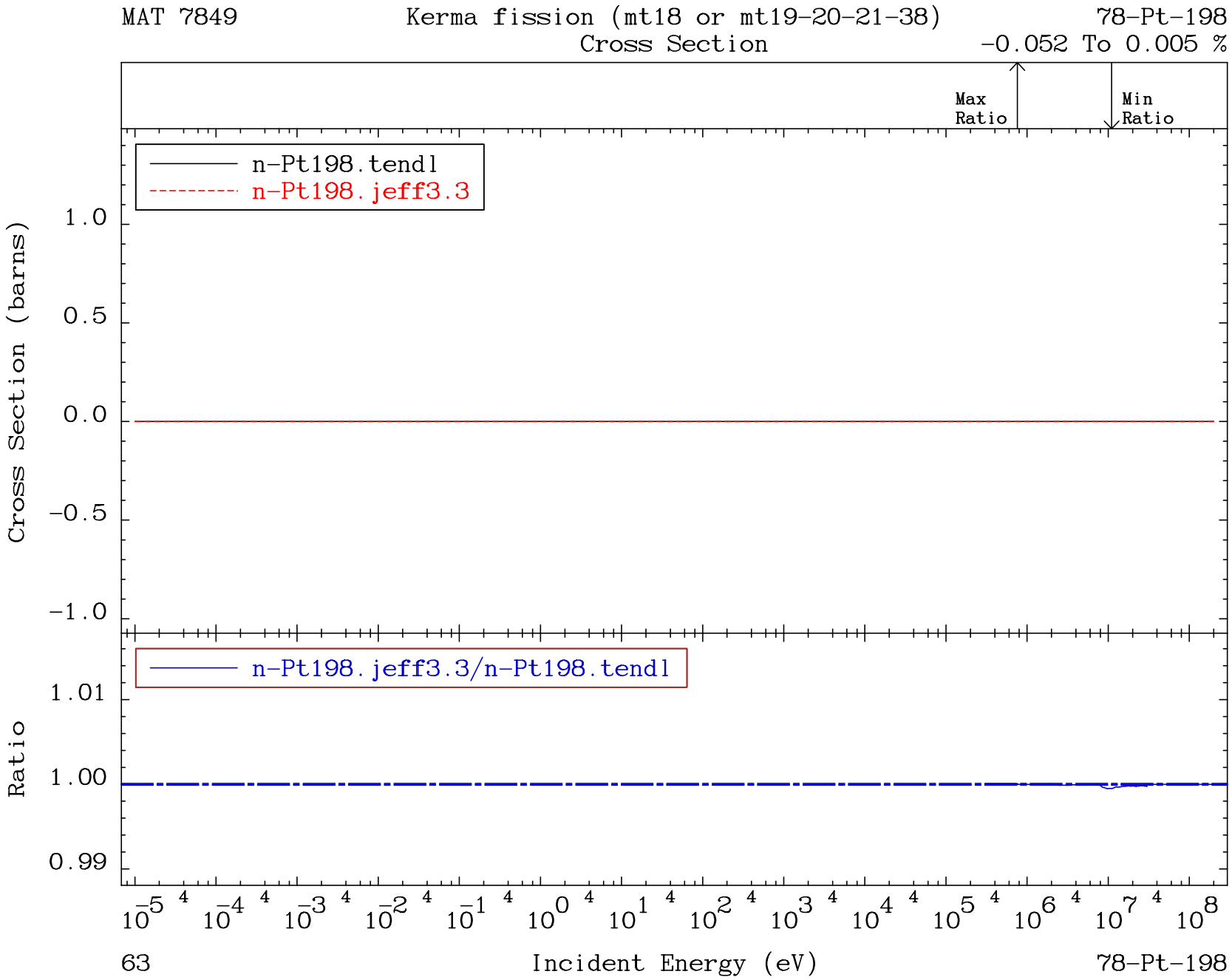

MAT 7849
He-4 Production
Cross Section
78-Pt-198
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 2.6121 keV
n-Pt198.jeff3.3
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
60
40
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
58
Incident Energy (eV)
78-Pt-198

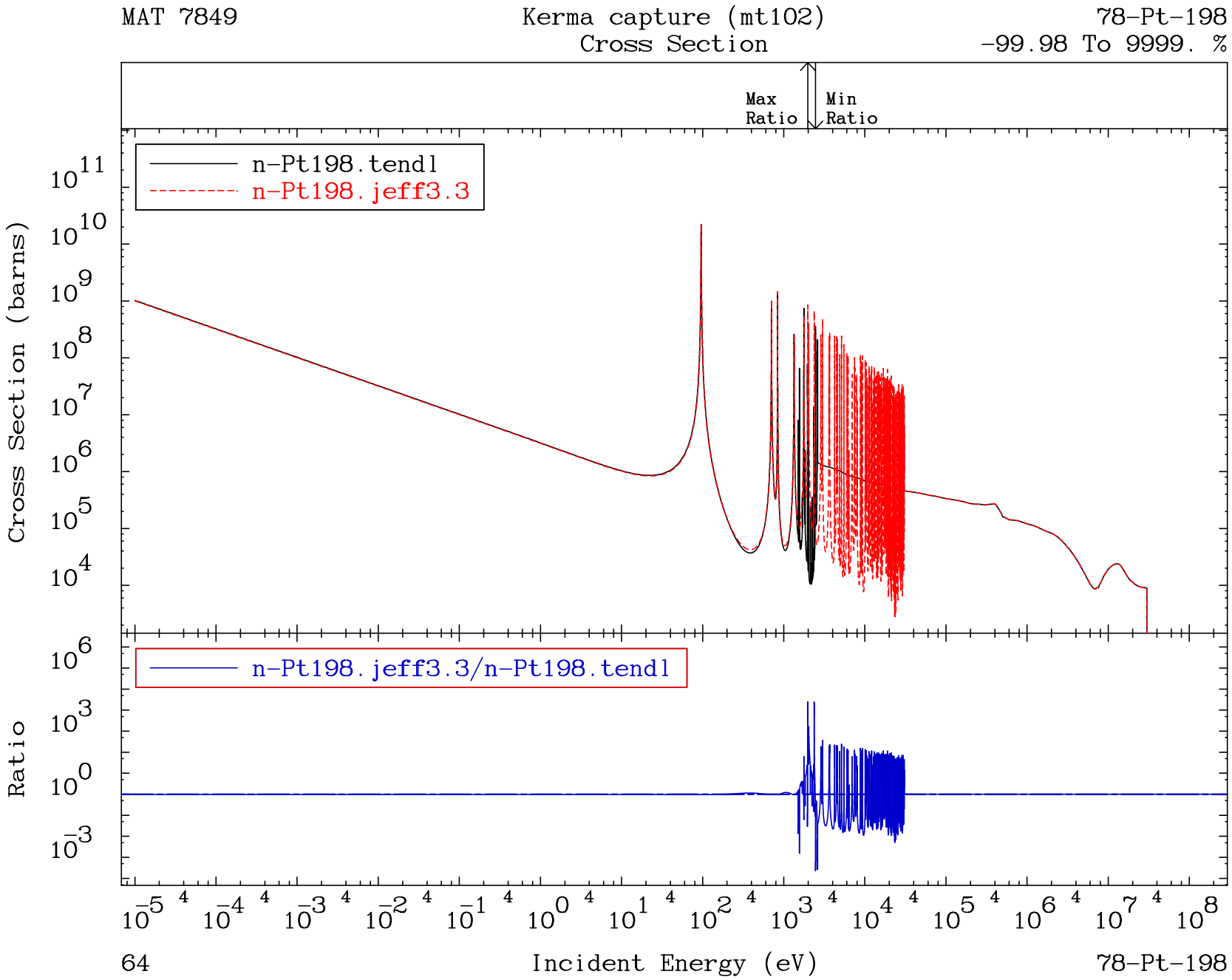

MAT 7849
Kerma total (eV-barns)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
59
Incident Energy (eV)
78-Pt-198

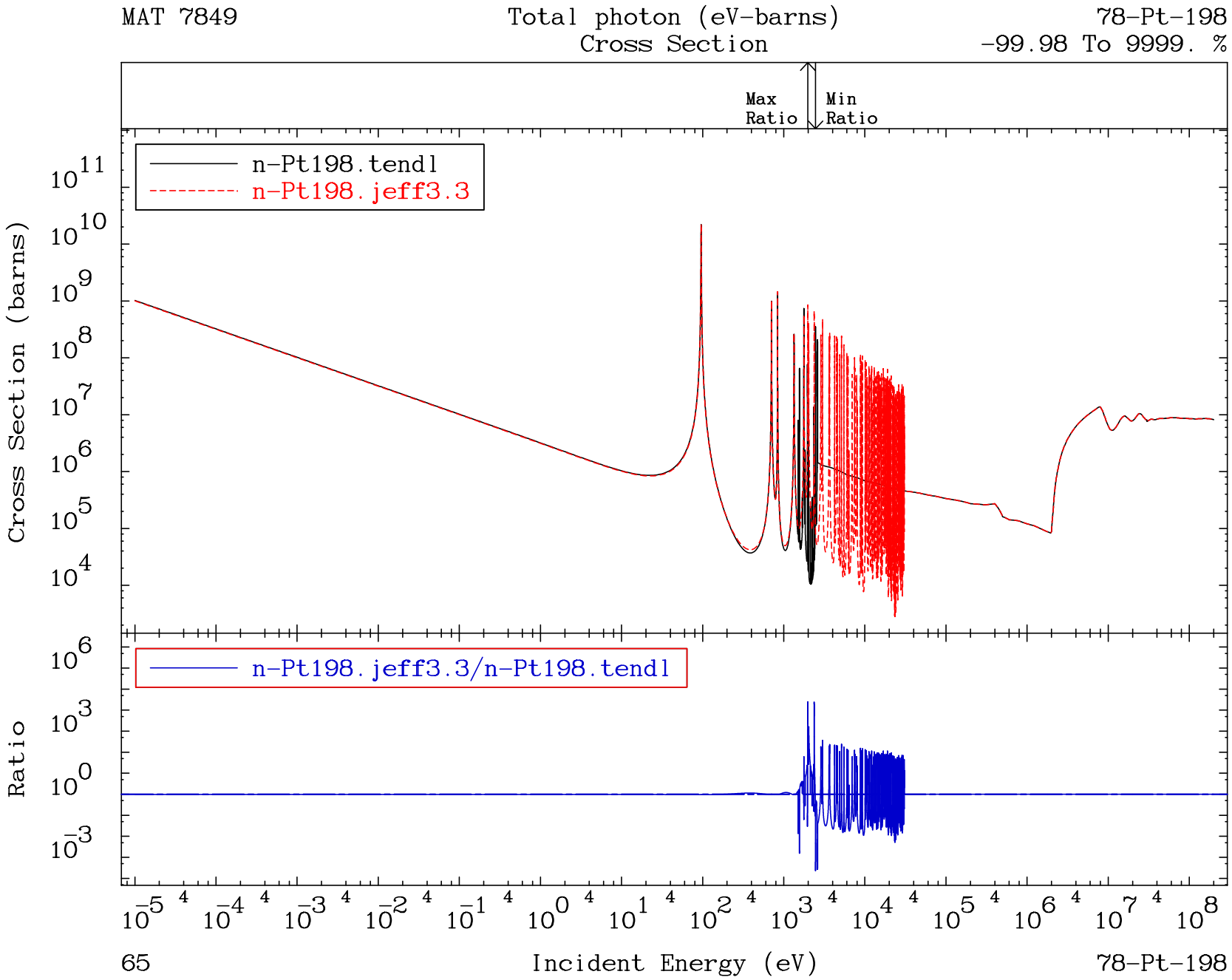

MAT 7849
Kerma elastic
Cross Section
78-Pt-198
-99.94 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
60
78-Pt-198

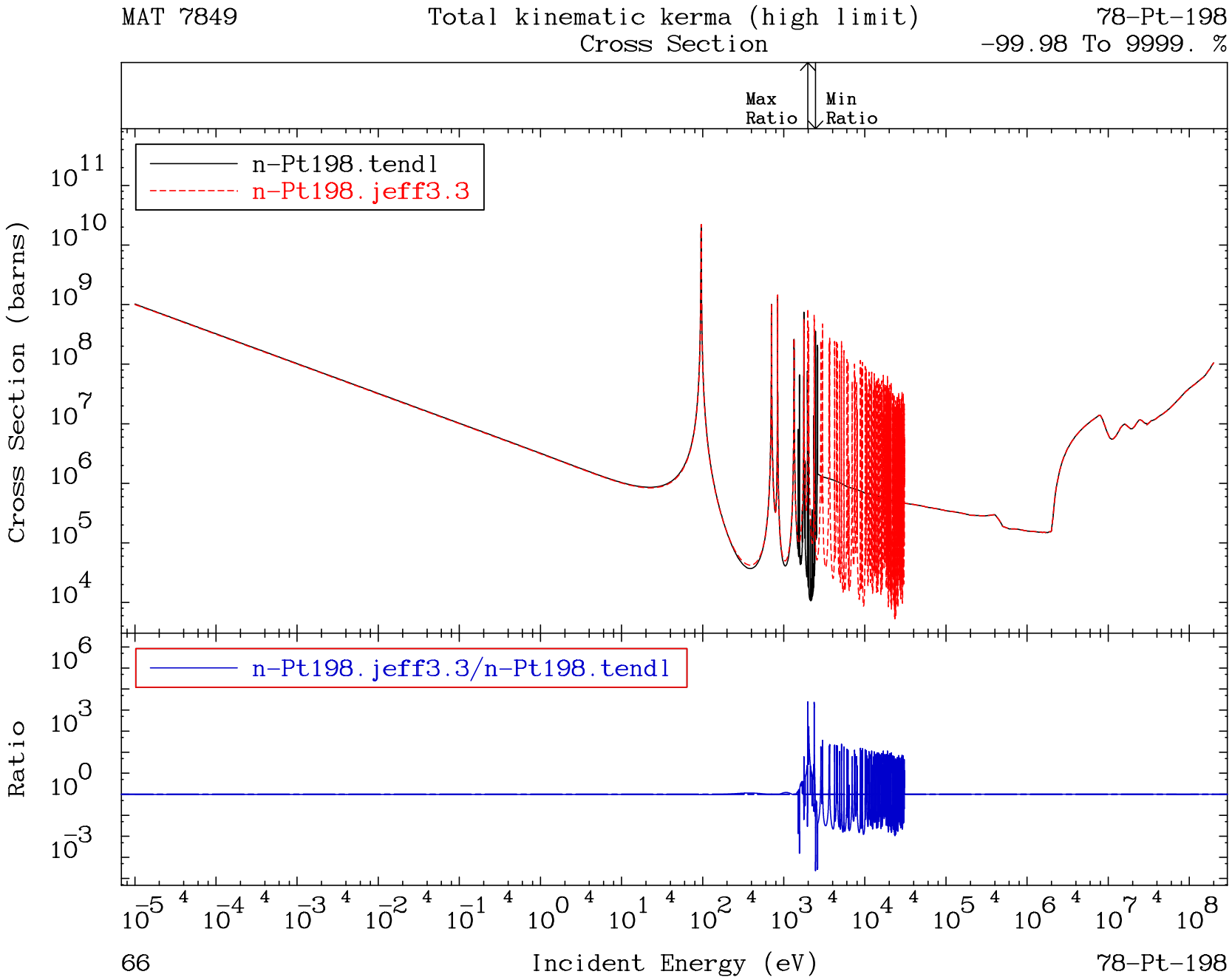

MAT 7849
Kerma non-elastic (all but mt2)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
61
78-Pt-198

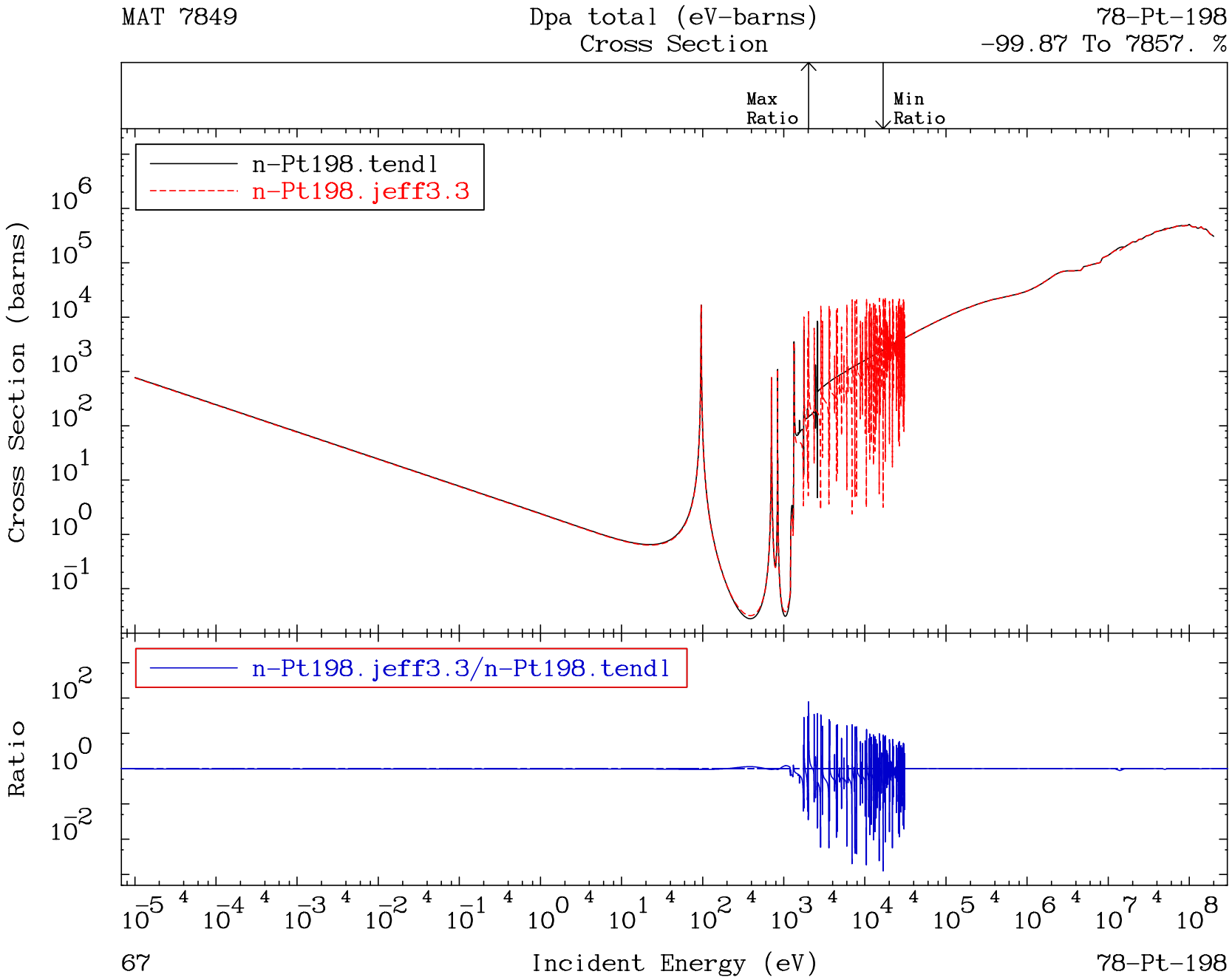

MAT 7849
Kerma inelastic (mt51-91)
Cross Section
78-Pt-198
-0.052 To 0.005 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 409.30 keV
n-Pt198.jeff3.3 Threshold 409.30 keV
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
62
78-Pt-198

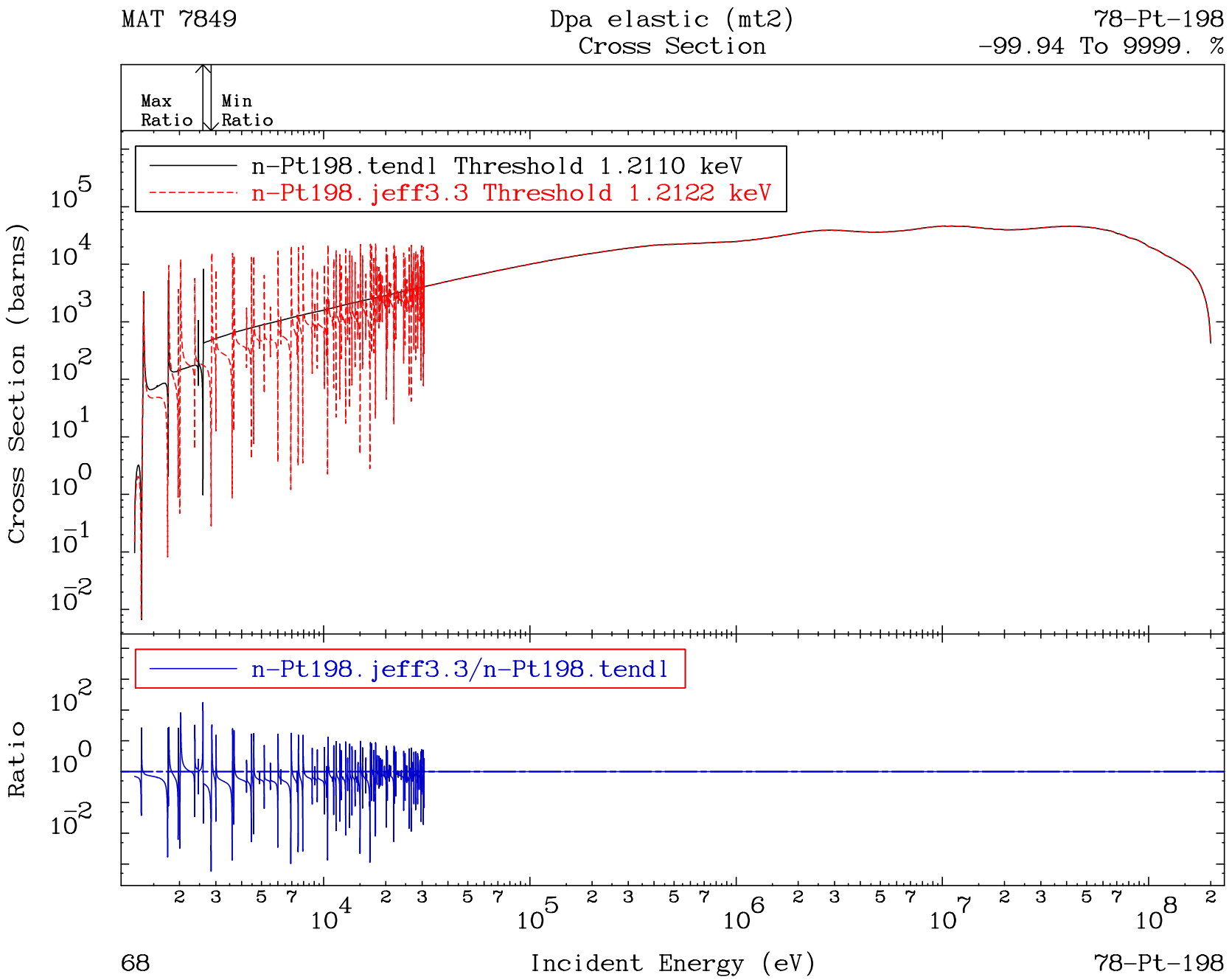

MAT 7849
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
78-Pt-198
-0.052 To 0.005 %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
63
Incident Energy (eV)
78-Pt-198

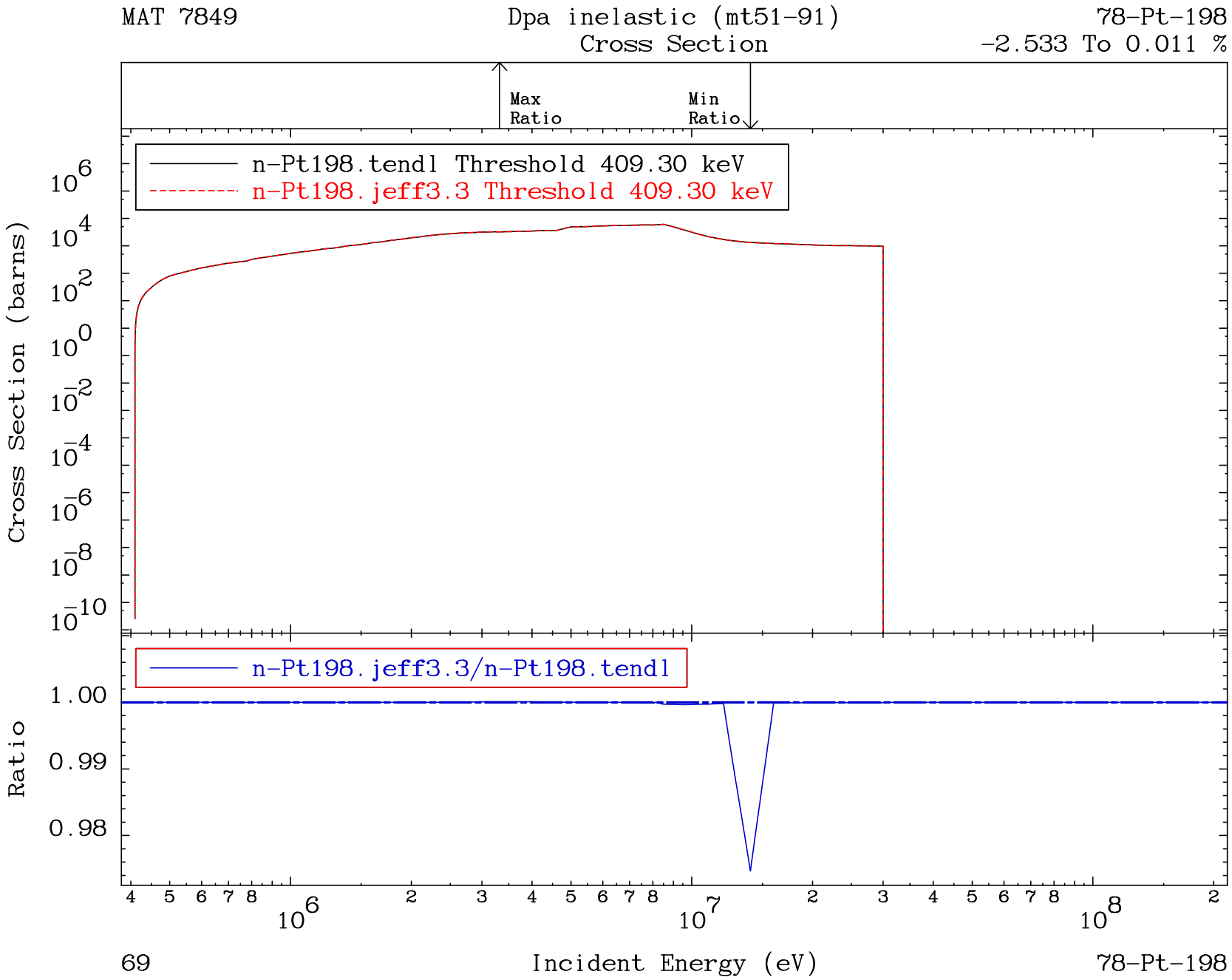

MAT 7849
Kerma capture (mt102)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
64
78-Pt-198

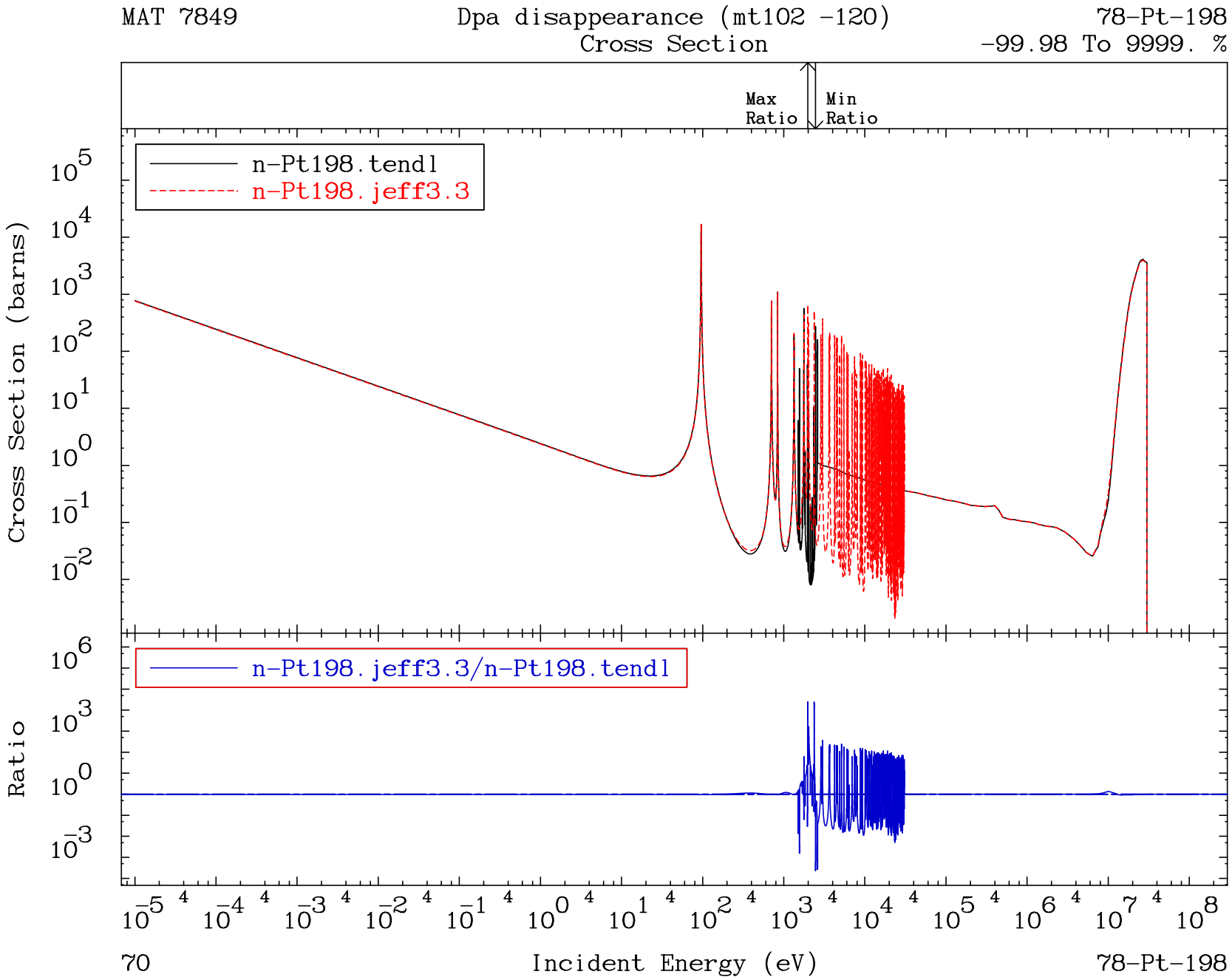

MAT 7849
Total photon (eV-barns)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
65
78-Pt-198

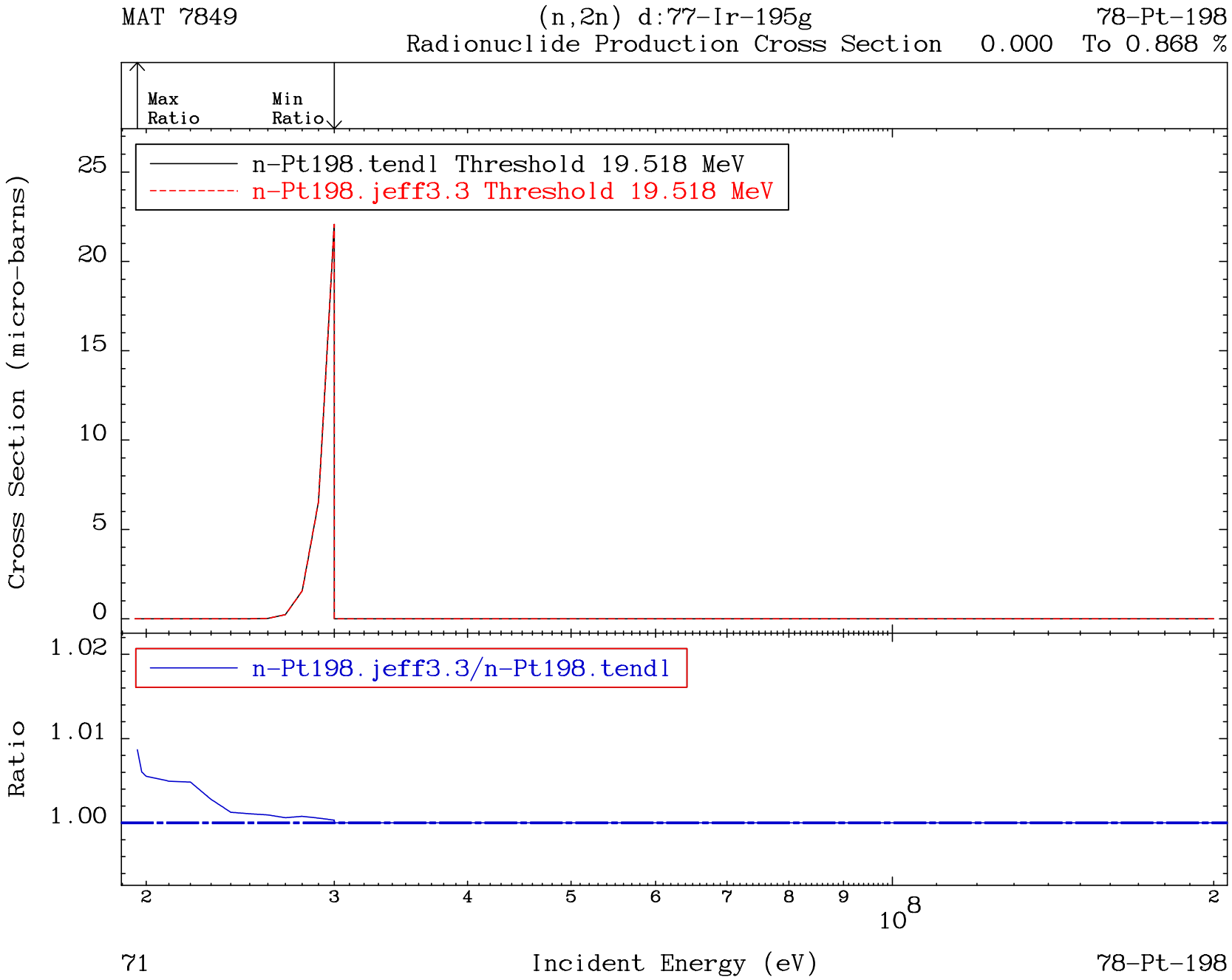

MAT 7849
Total kinematic kerma (high limit)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
66
78-Pt-198

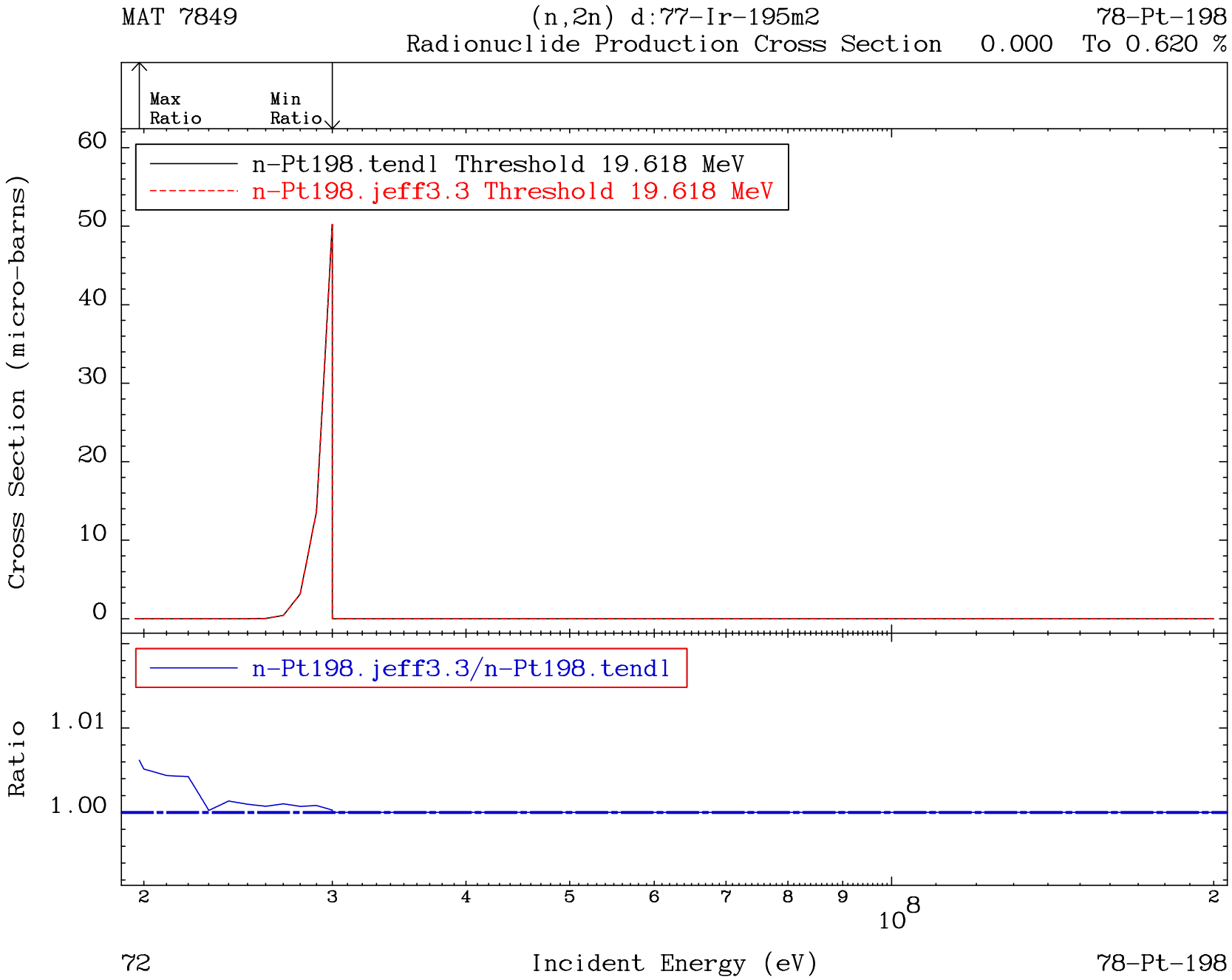

MAT 7849
Dpa total (eV-barns)
Cross Section
78-Pt-198
-99.87 To 7857. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
67
78-Pt-198

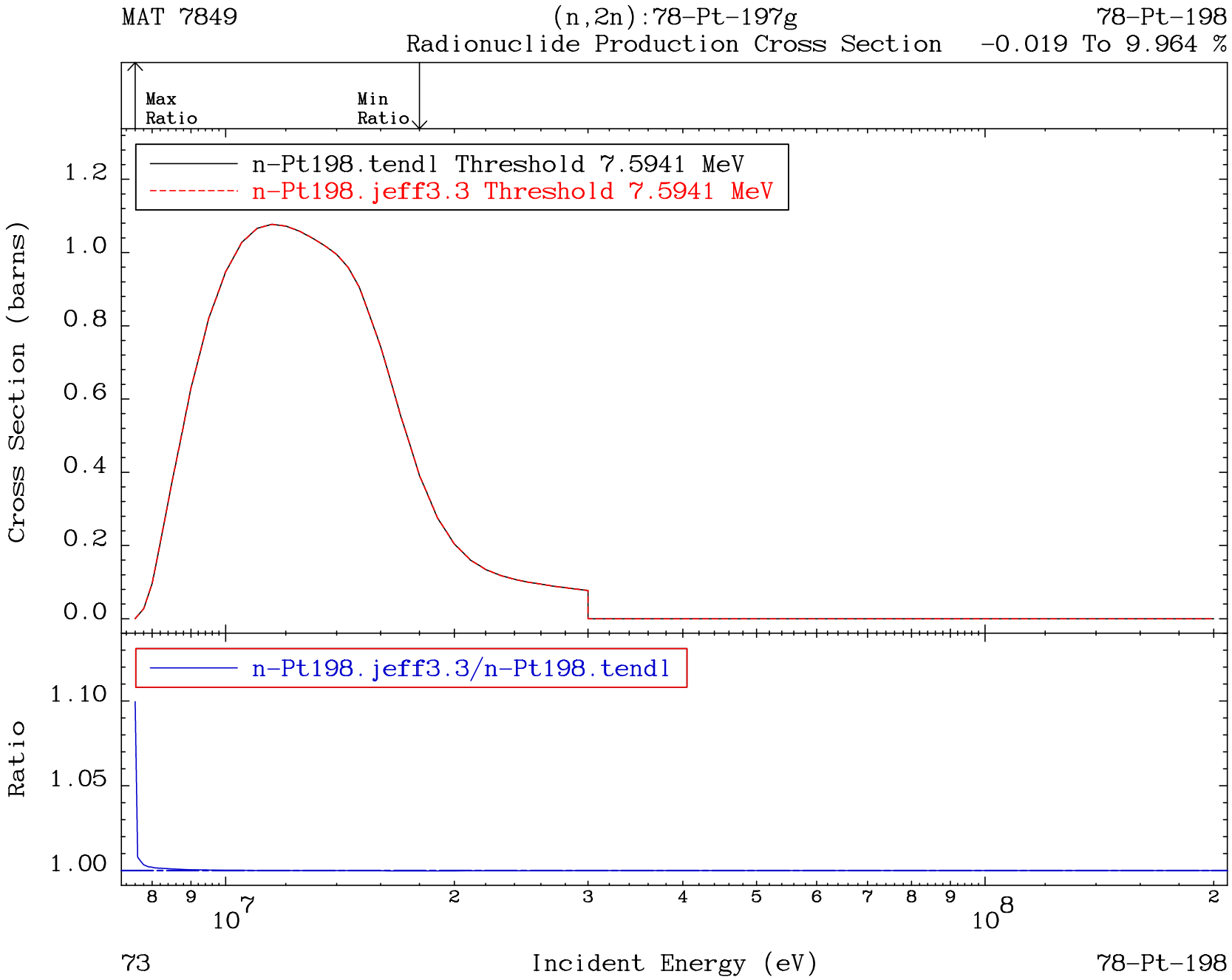

MAT 7849
Dpa elastic (mt2)
Cross Section
78-Pt-198
-99.94 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 1.2110 keV
n-Pt198.jeff3.3 Threshold 1.2122 keV
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
68
78-Pt-198

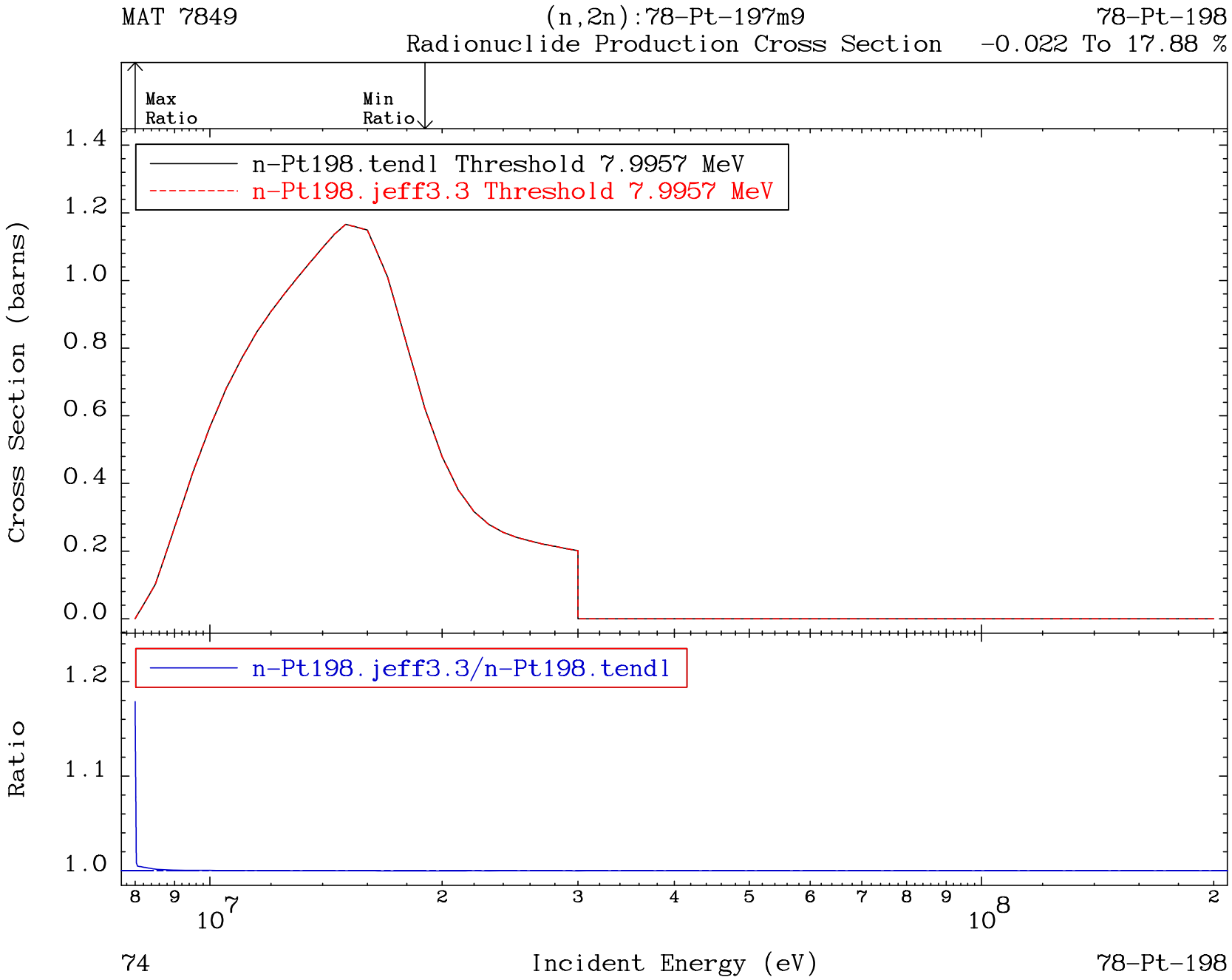

MAT 7849
Dpa inelastic (mt51-91)
Cross Section
78-Pt-198
-2.533 To 0.011 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 409.30 keV
n-Pt198.jeff3.3 Threshold 409.30 keV
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
69
78-Pt-198

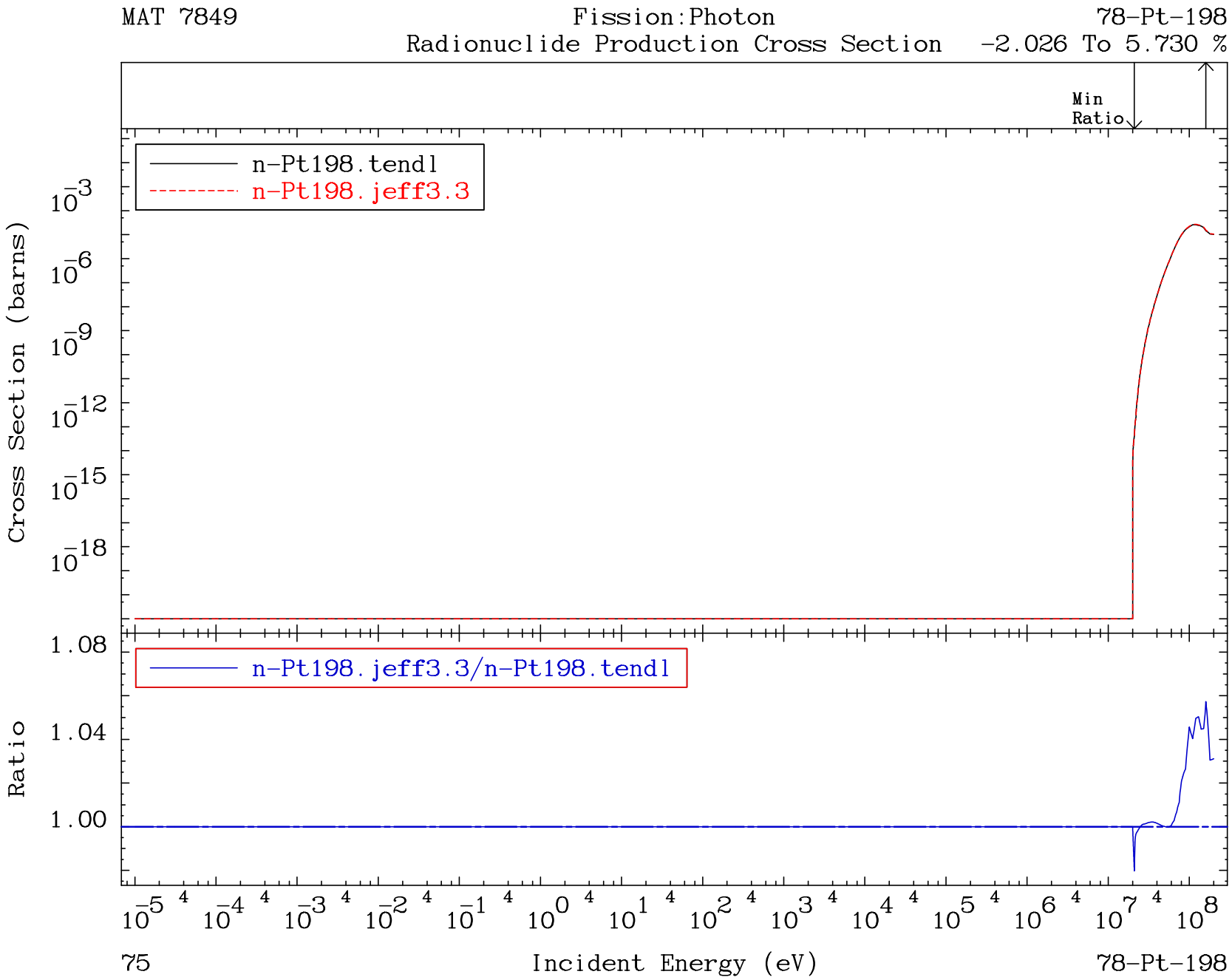

MAT 7849
Dpa disappearance (mt102 -120)
Cross Section
78-Pt-198
-99.98 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
Incident Energy (eV)
70
78-Pt-198

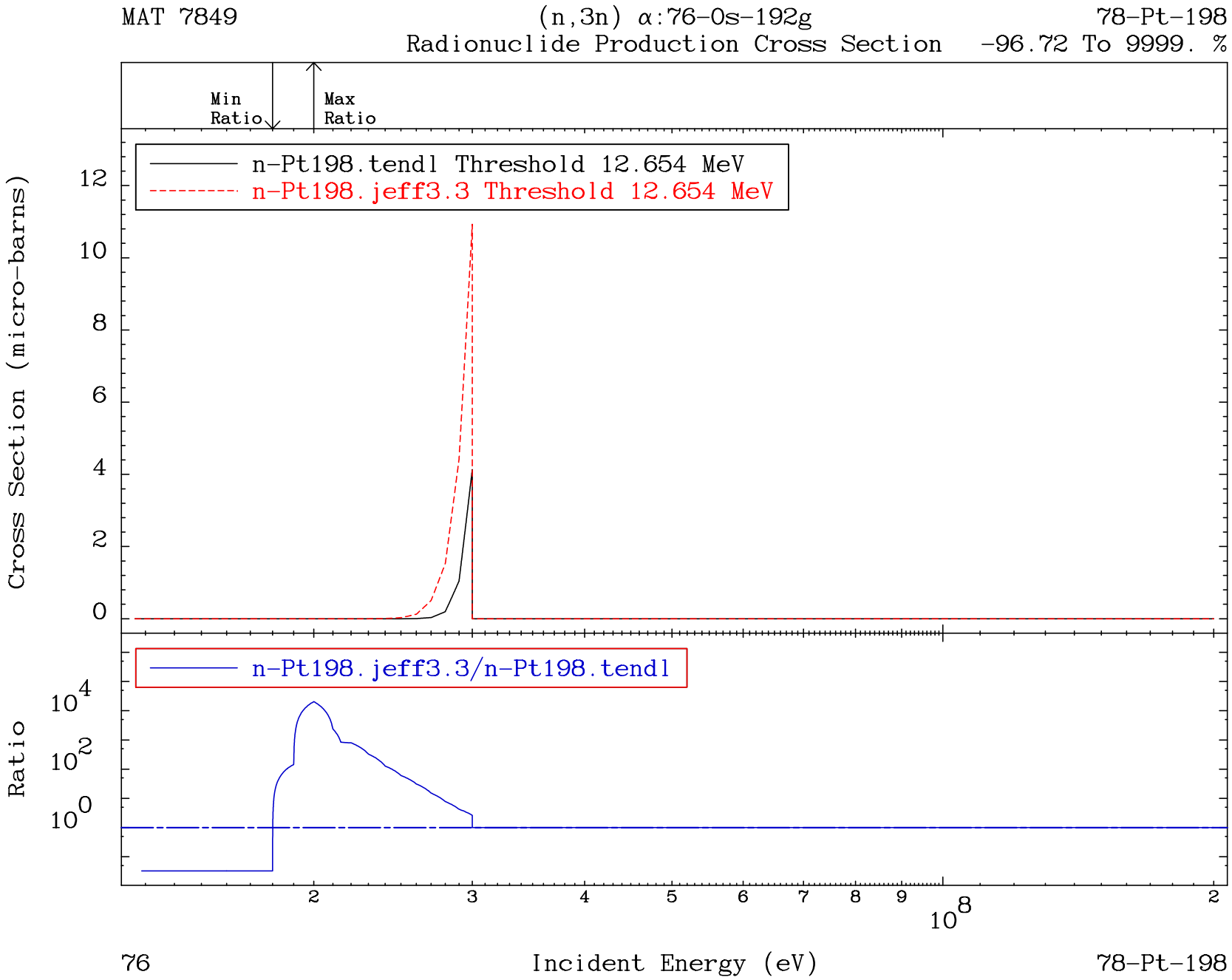

MAT 7849
(n,2n) d:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.868 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 19.518 MeV
n-Pt198.jeff3.3 Threshold 19.518 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
78-Pt-198

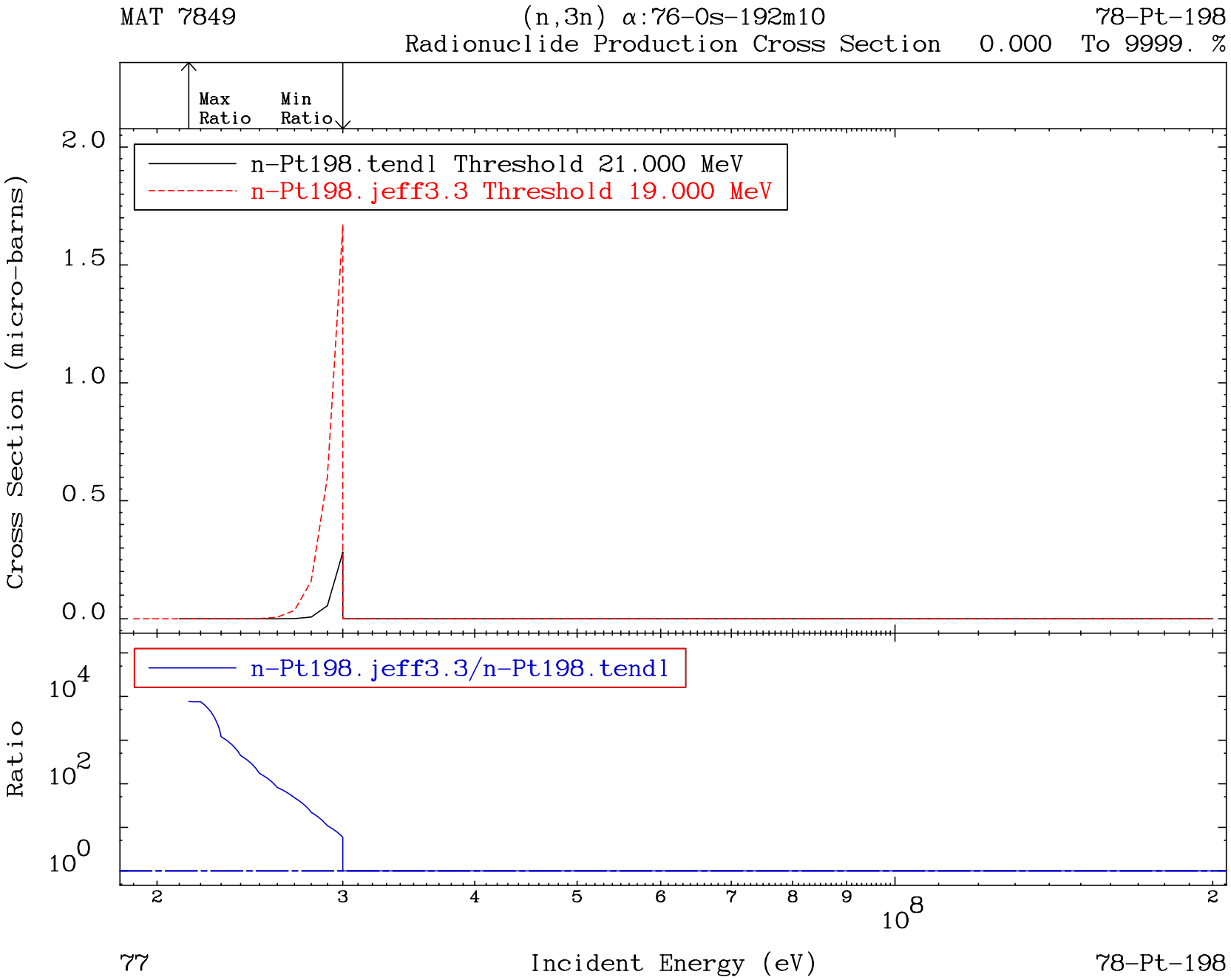

MAT 7849
(n,2n) d:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.620 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 19.618 MeV
n-Pt198.jeff3.3 Threshold 19.618 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
78-Pt-198

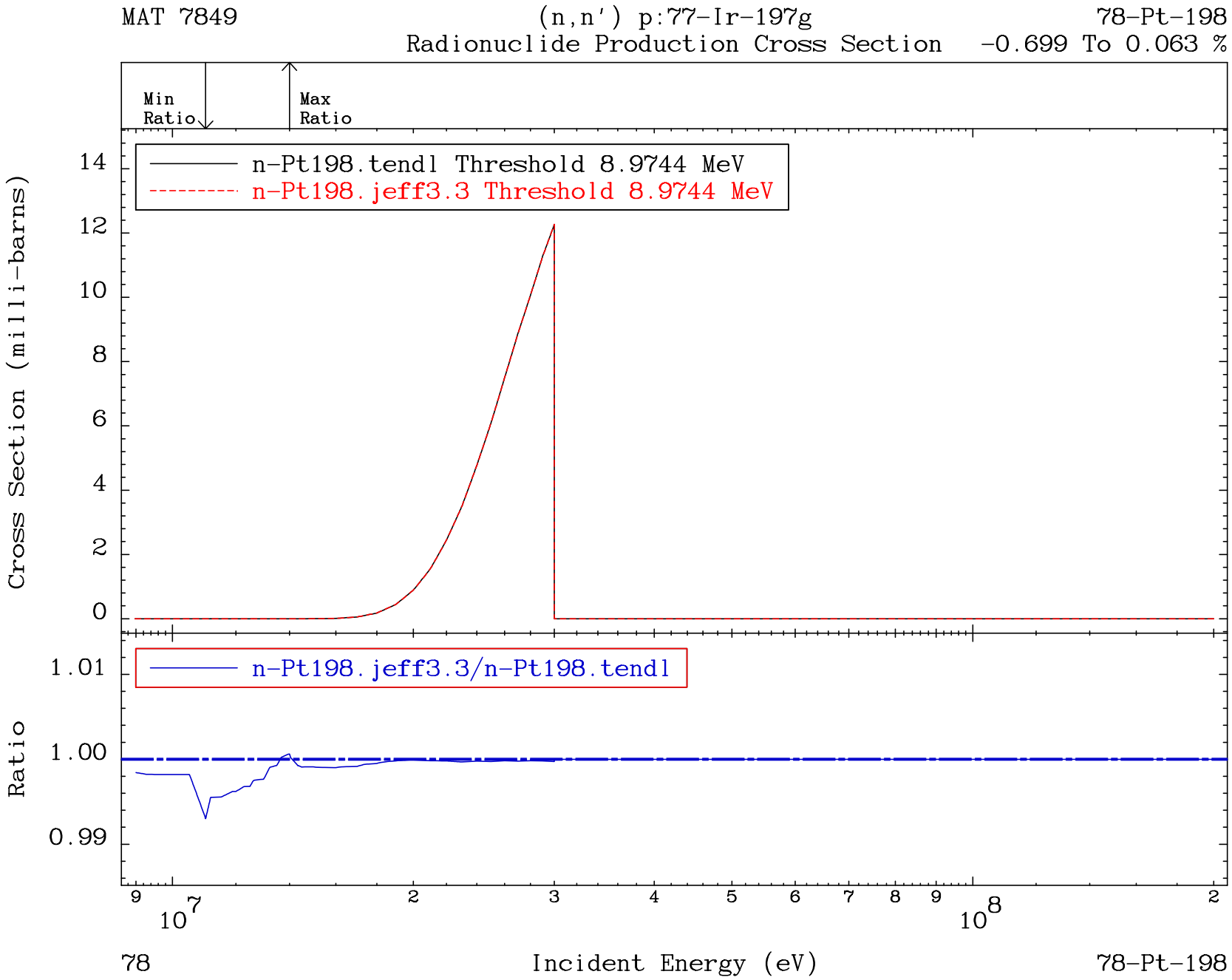

MAT 7849
(n,2n):78-Pt-197g
78-Pt-198
Radionuclide Production Cross Section
-0.019 To 9.964 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.5941 MeV
n-Pt198.jeff3.3 Threshold 7.5941 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.10
1.05
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
73
Incident Energy (eV)
78-Pt-198

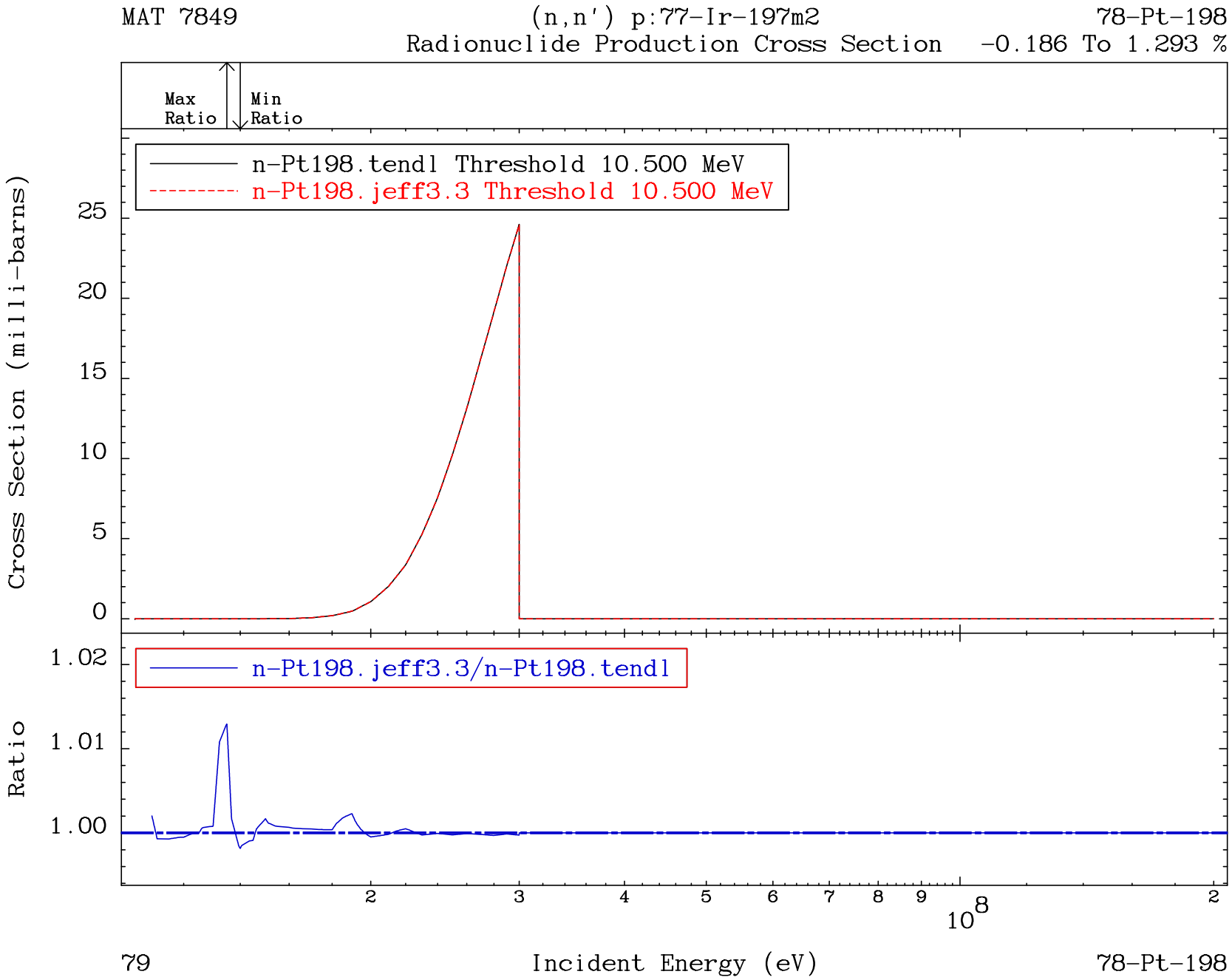

MAT 7849
(n,2n):78-Pt-197m9
78-Pt-198
Radionuclide Production Cross Section -0.022 To 17.88 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.9957 MeV
n-Pt198.jeff3.3 Threshold 7.9957 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.2
1.1
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
74
Incident Energy (eV)
78-Pt-198

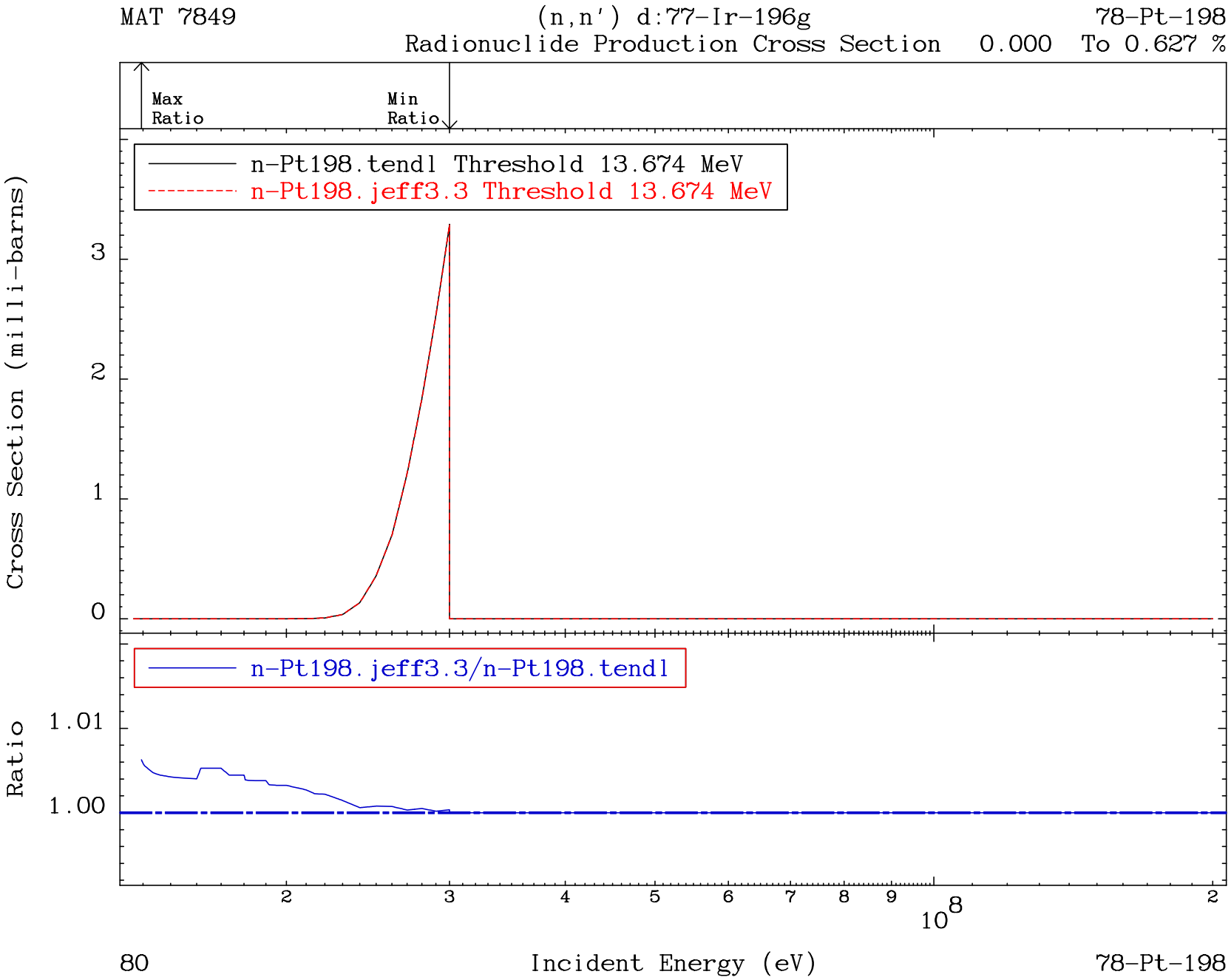

MAT 7849
Fission:Photon
78-Pt-198
Radionuclide Production Cross Section
-2.026 To 5.730 %
Min
Ratio
n-Pt198.tendl
n-Pt198.jeff3.3
Cross Section (barns)
10-3
10-6
10-9
10-12
10-15
10-18
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.08
1.04
1.00
10-5
10-4
10-3
10-2
10-1
100
101
102
103
104
105
106
107
108
75
Incident Energy (eV)
78-Pt-198

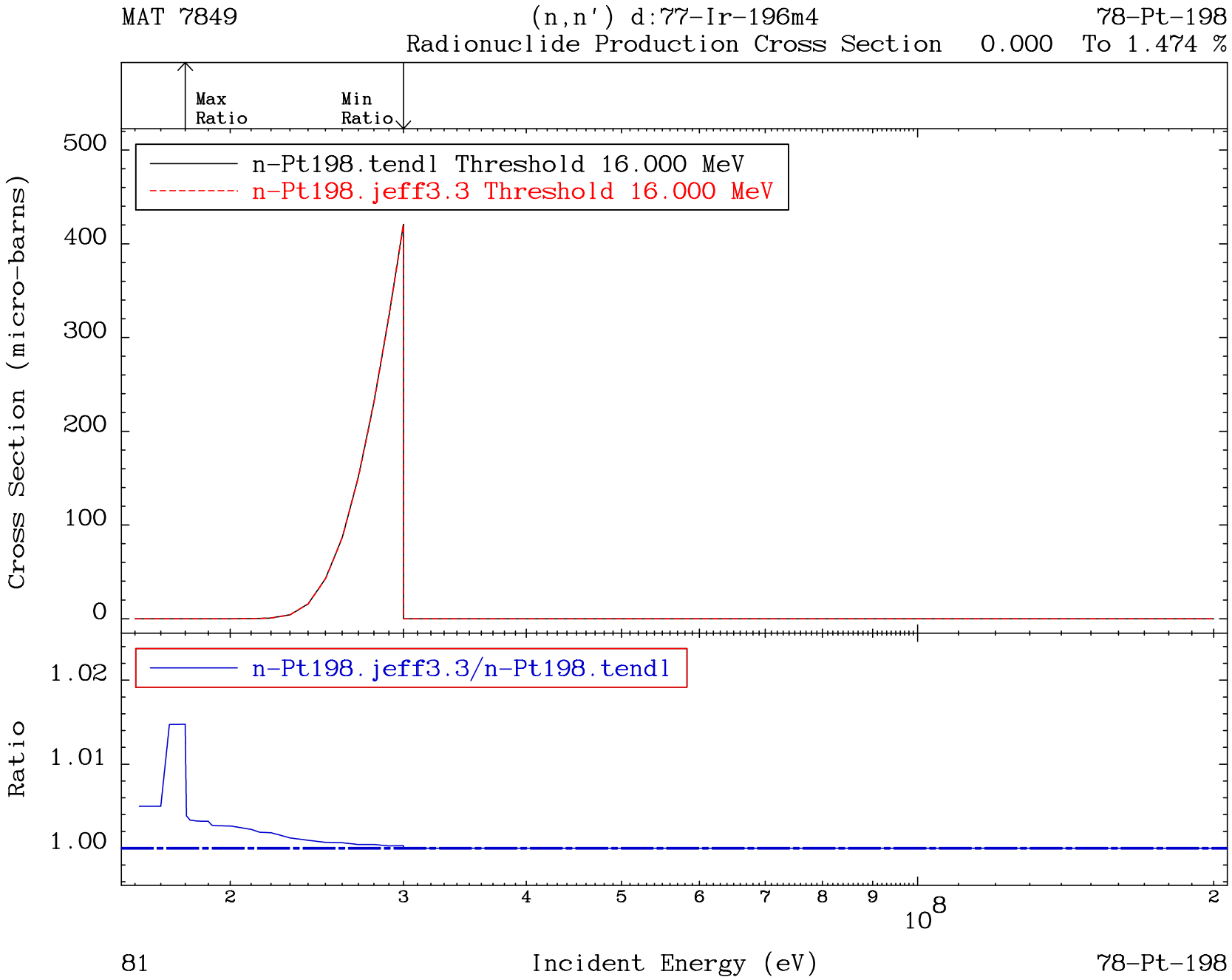

MAT 7849
(n,3n) α:76-0s-192g
78-Pt-198
Radionuclide Production Cross Section -96.72 To 9999. %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 12.654 MeV
n-Pt198.jeff3.3 Threshold 12.654 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
78-Pt-198

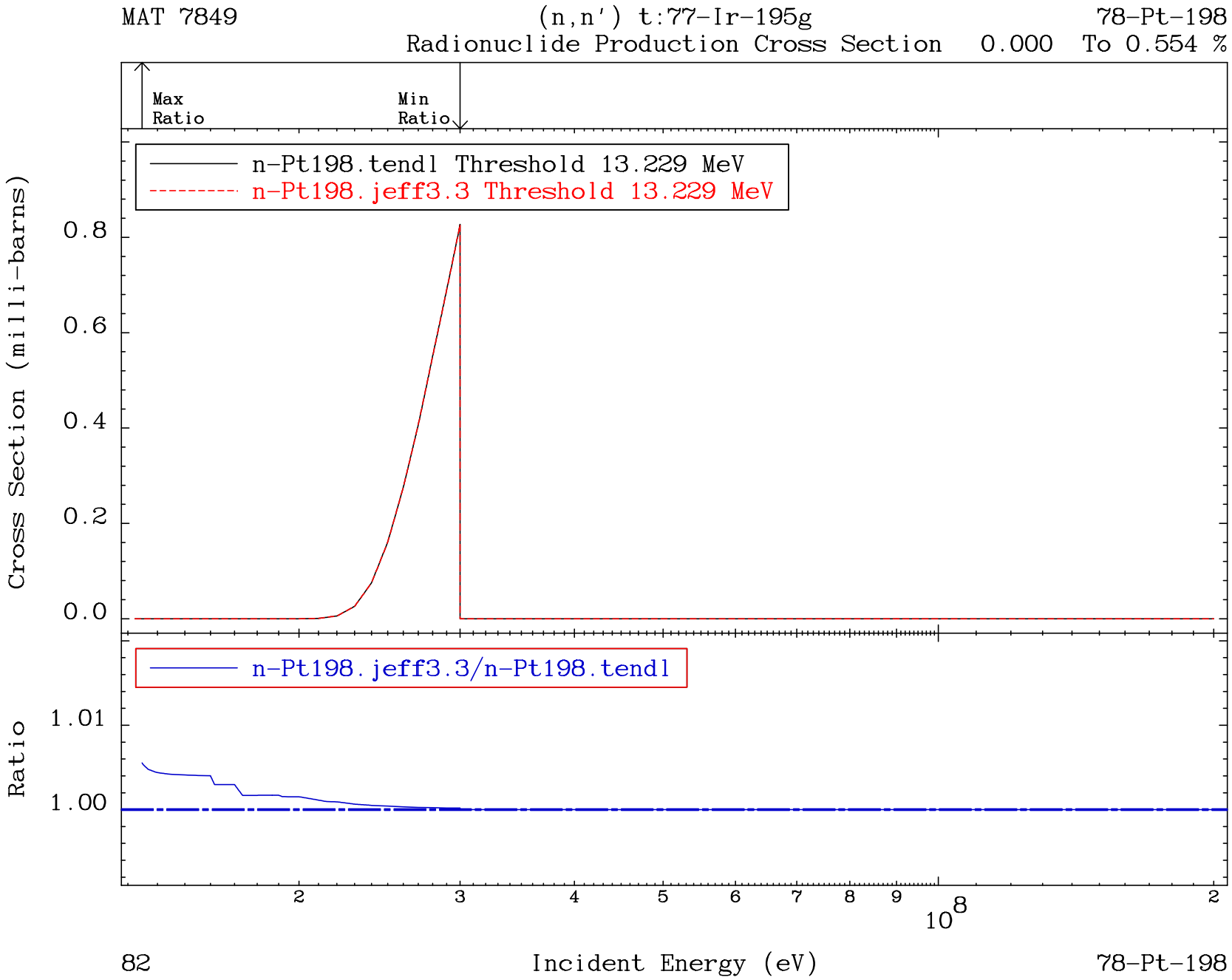

MAT 7849
(n,3n) α:76-0s-192m10
78-Pt-198
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 21.000 MeV
n-Pt198.jeff3.3 Threshold 19.000 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
78-Pt-198

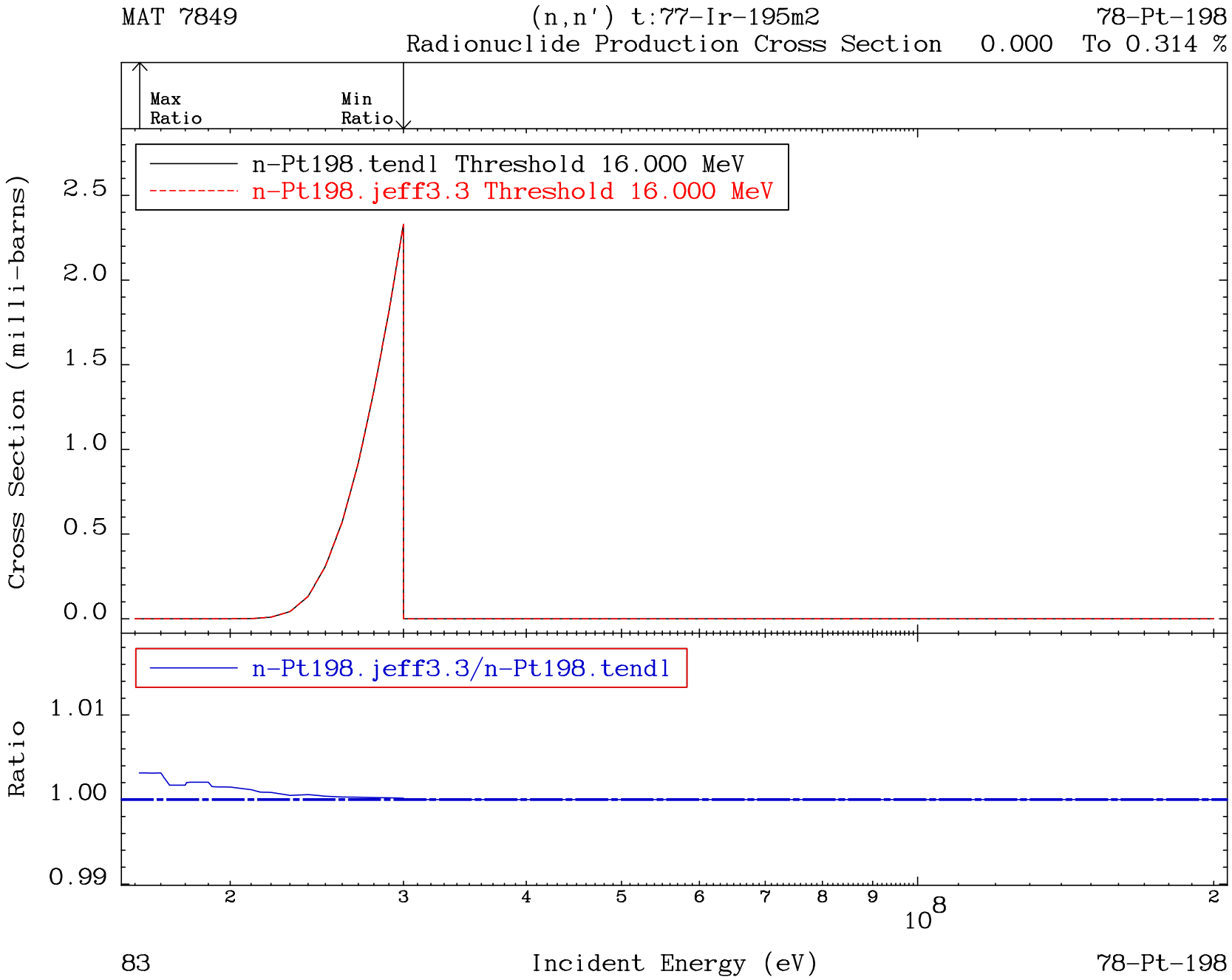

MAT 7849
(n,n') p:77-Ir-197g
78-Pt-198
Radionuclide Production Cross Section -0.699 To 0.063 %
Min Ratio
Max Ratio
n-Pt198.tendl Threshold 8.9744 MeV
n-Pt198.jeff3.3 Threshold 8.9744 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
78-Pt-198

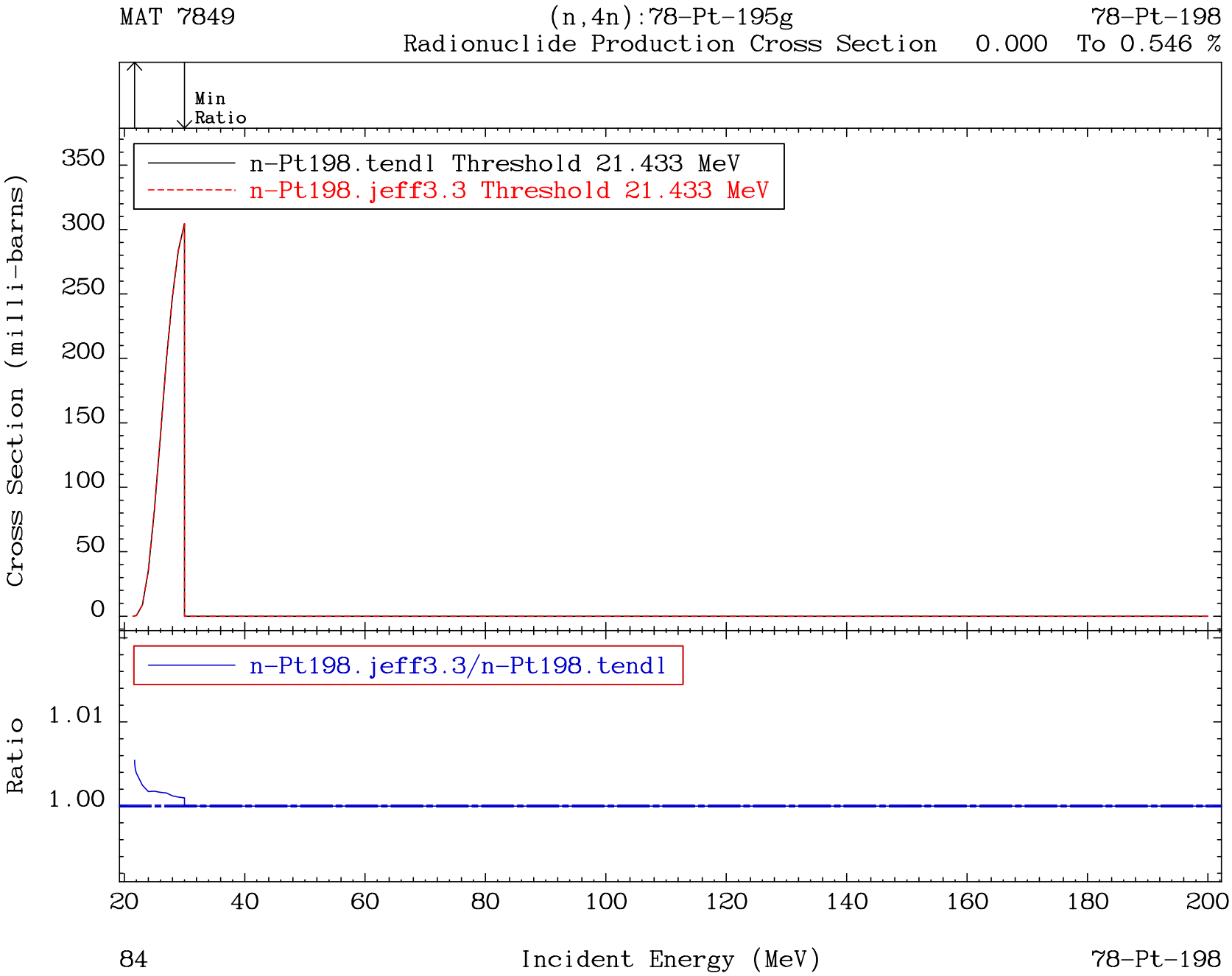

MAT 7849
(n,n') p:77-Ir-197m2
78-Pt-198
Radionuclide Production Cross Section -0.186 To 1.293 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 10.500 MeV
n-Pt198.jeff3.3 Threshold 10.500 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
78-Pt-198

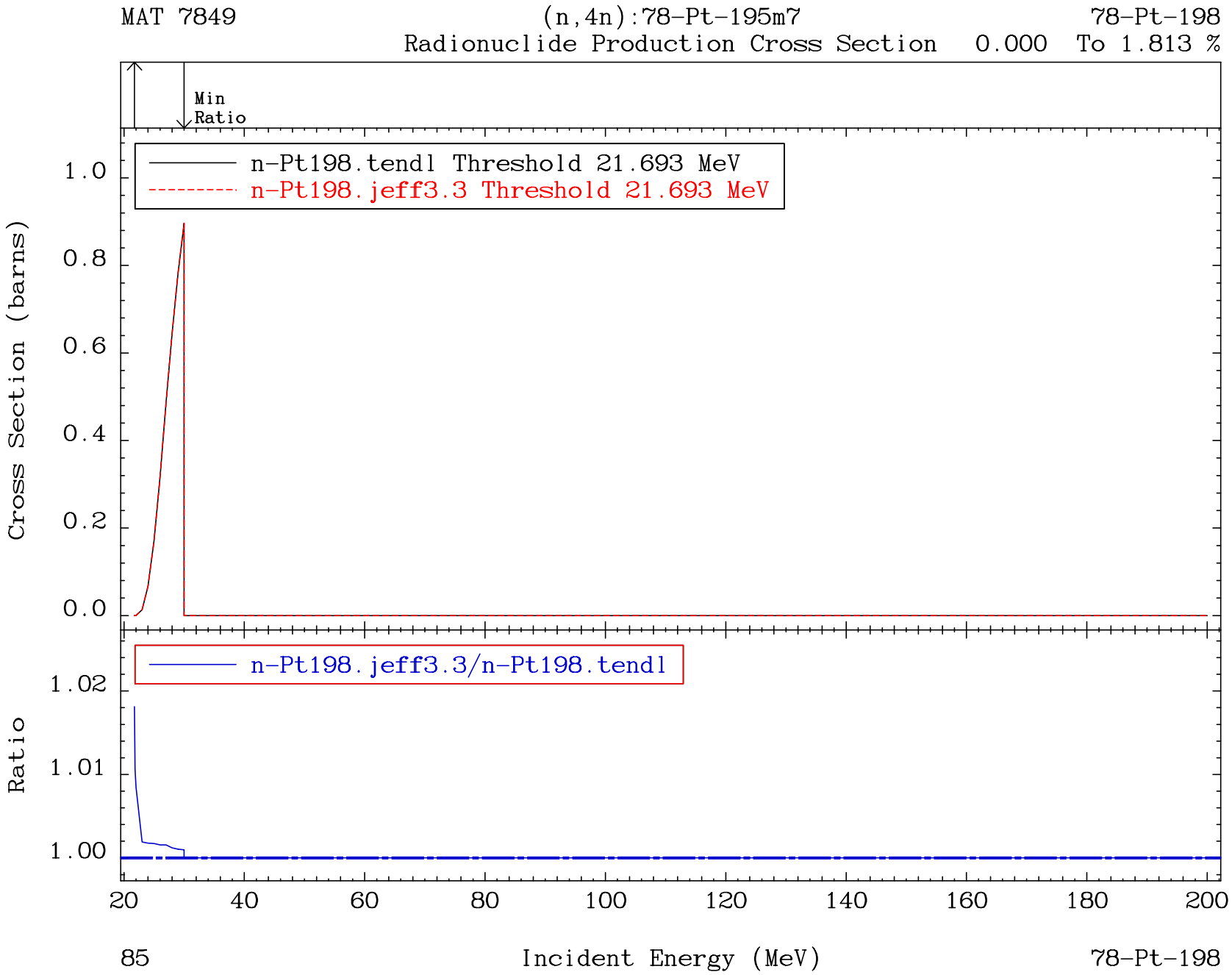

MAT 7849
(n,n') d:77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.627 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 13.674 MeV
n-Pt198.jeff3.3 Threshold 13.674 MeV
Cross Section (milli-barns)
0
1
2
3
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
78-Pt-198

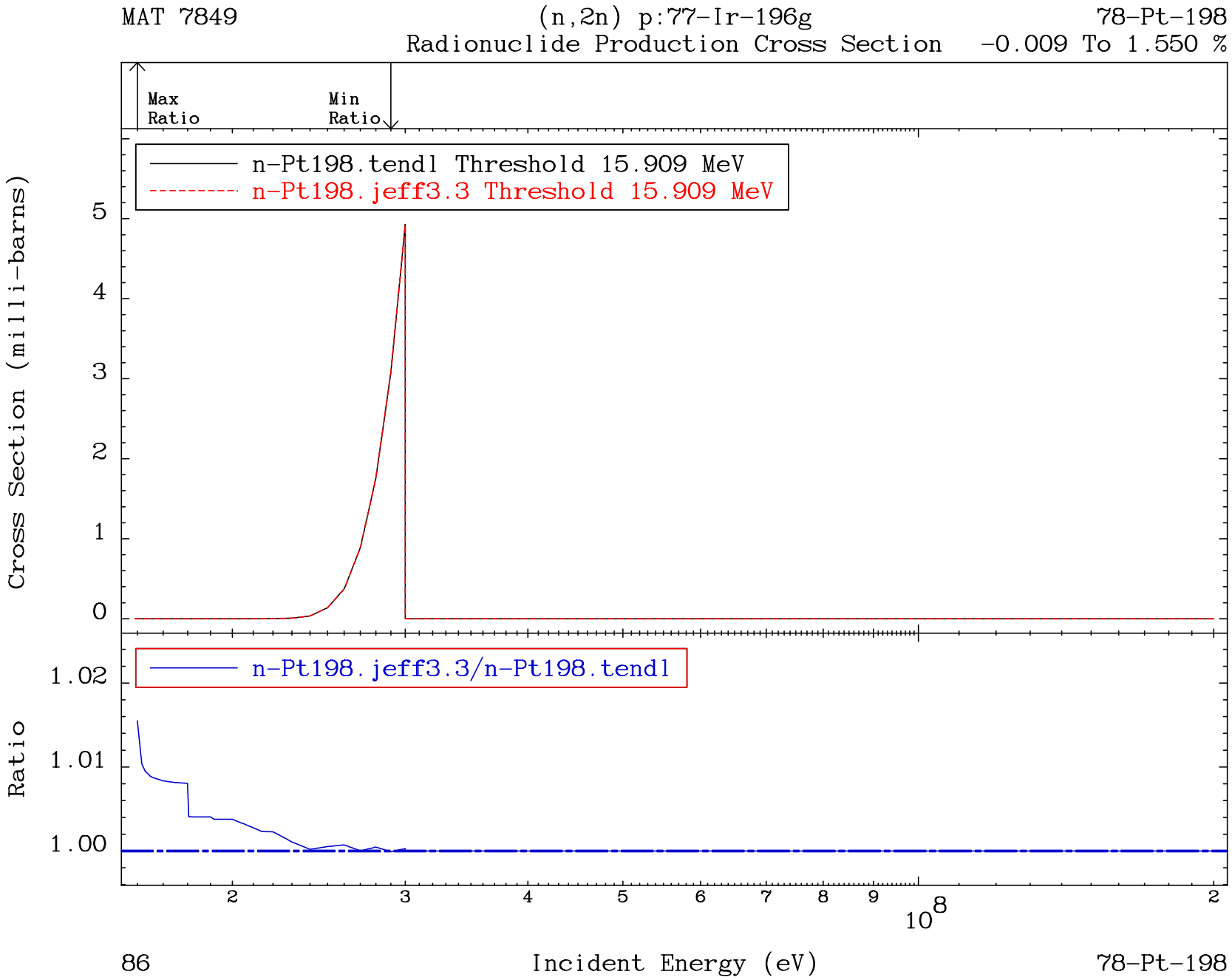

MAT 7849
(n,n') d:77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section 0.000 To 1.474 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 16.000 MeV
n-Pt198.jeff3.3 Threshold 16.000 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
78-Pt-198

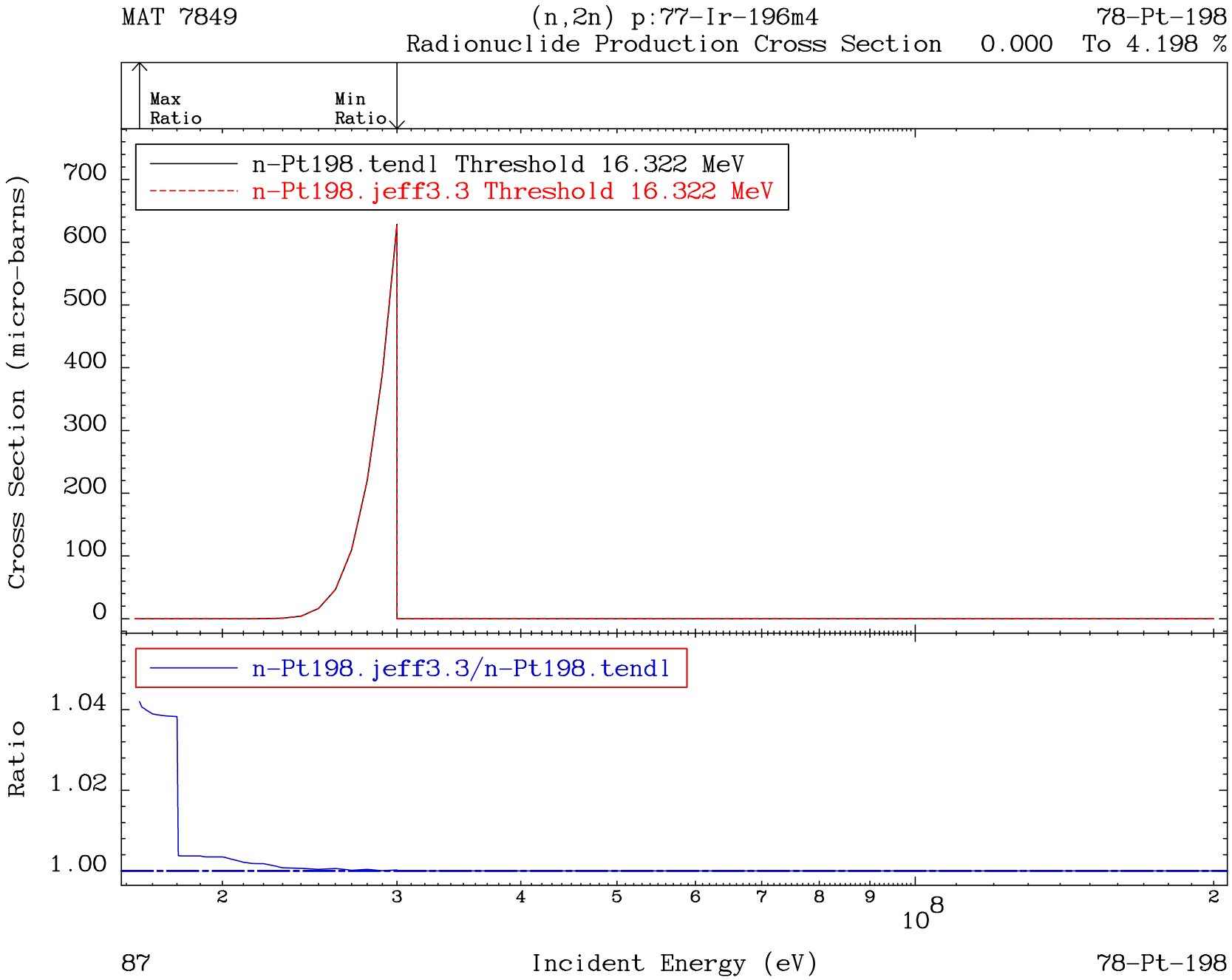

MAT 7849
(n,n') t:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.554 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 13.229 MeV
n-Pt198.jeff3.3 Threshold 13.229 MeV
Cross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
78-Pt-198

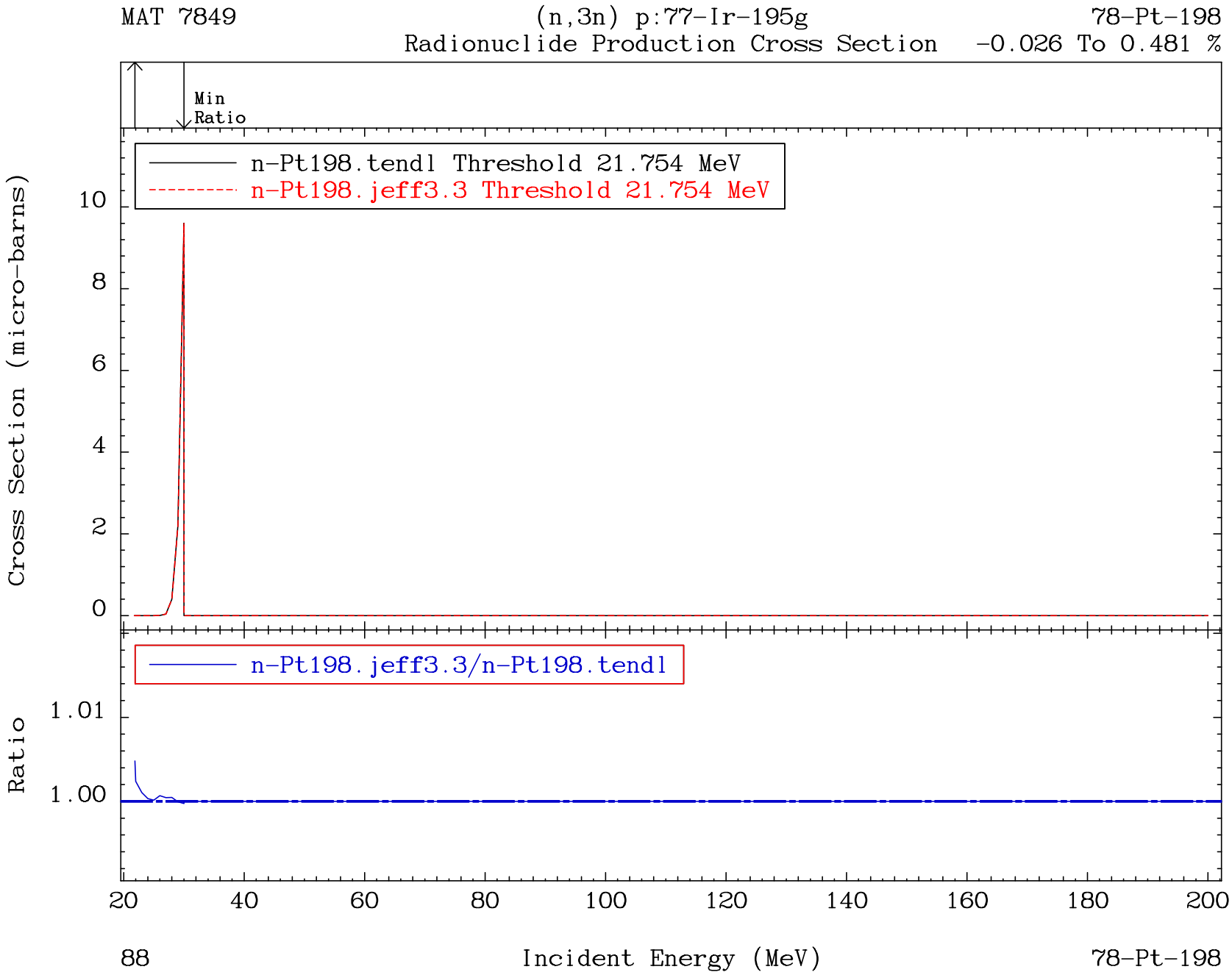

MAT 7849
(n,n') t:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.314 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 16.000 MeV
n-Pt198.jeff3.3 Threshold 16.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
78-Pt-198

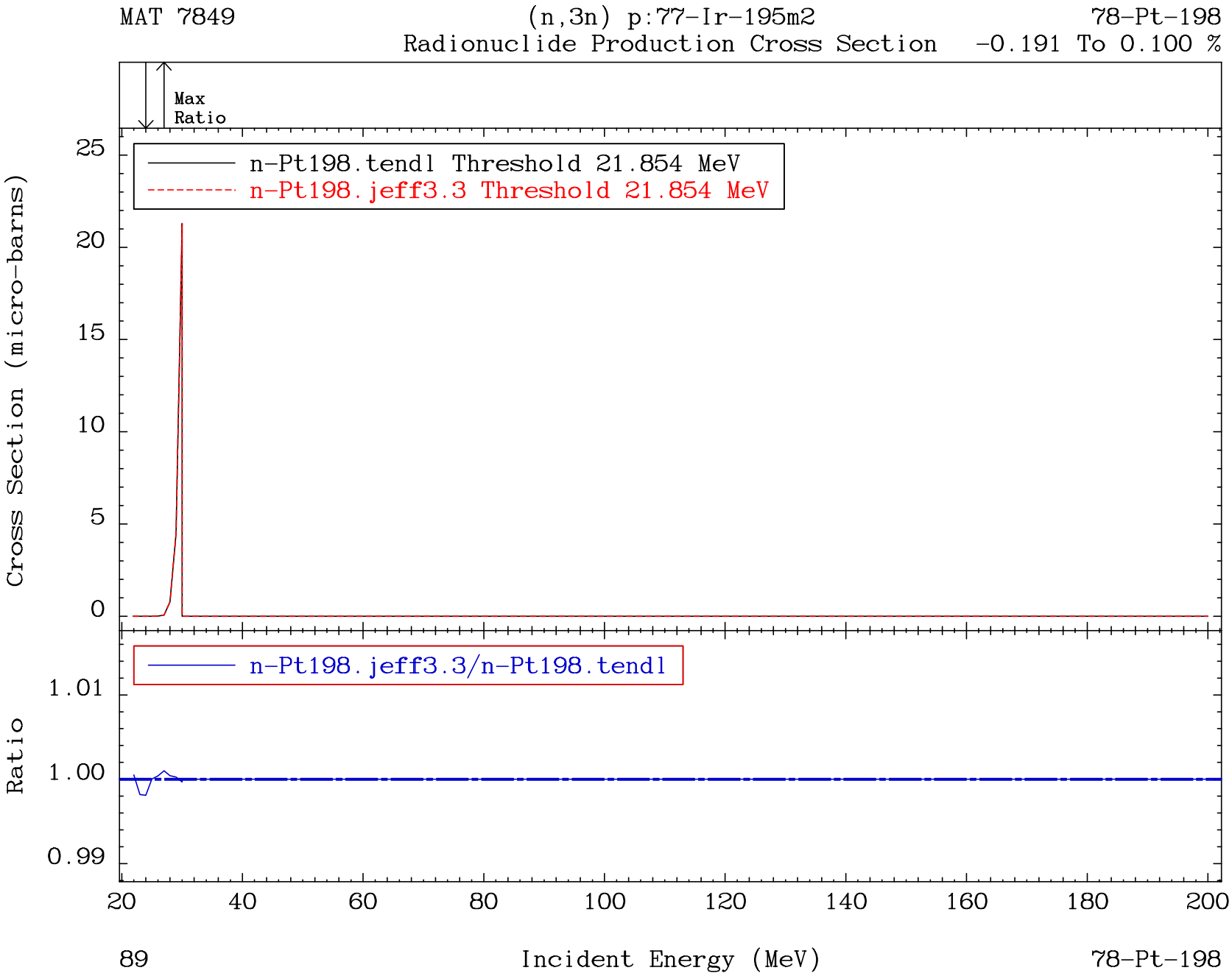

MAT 7849
(n,4n):78-Pt-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 0.546 %
Min
Ratio
n-Pt198.tendl Threshold 21.433 MeV
n-Pt198.jeff3.3 Threshold 21.433 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
78-Pt-198

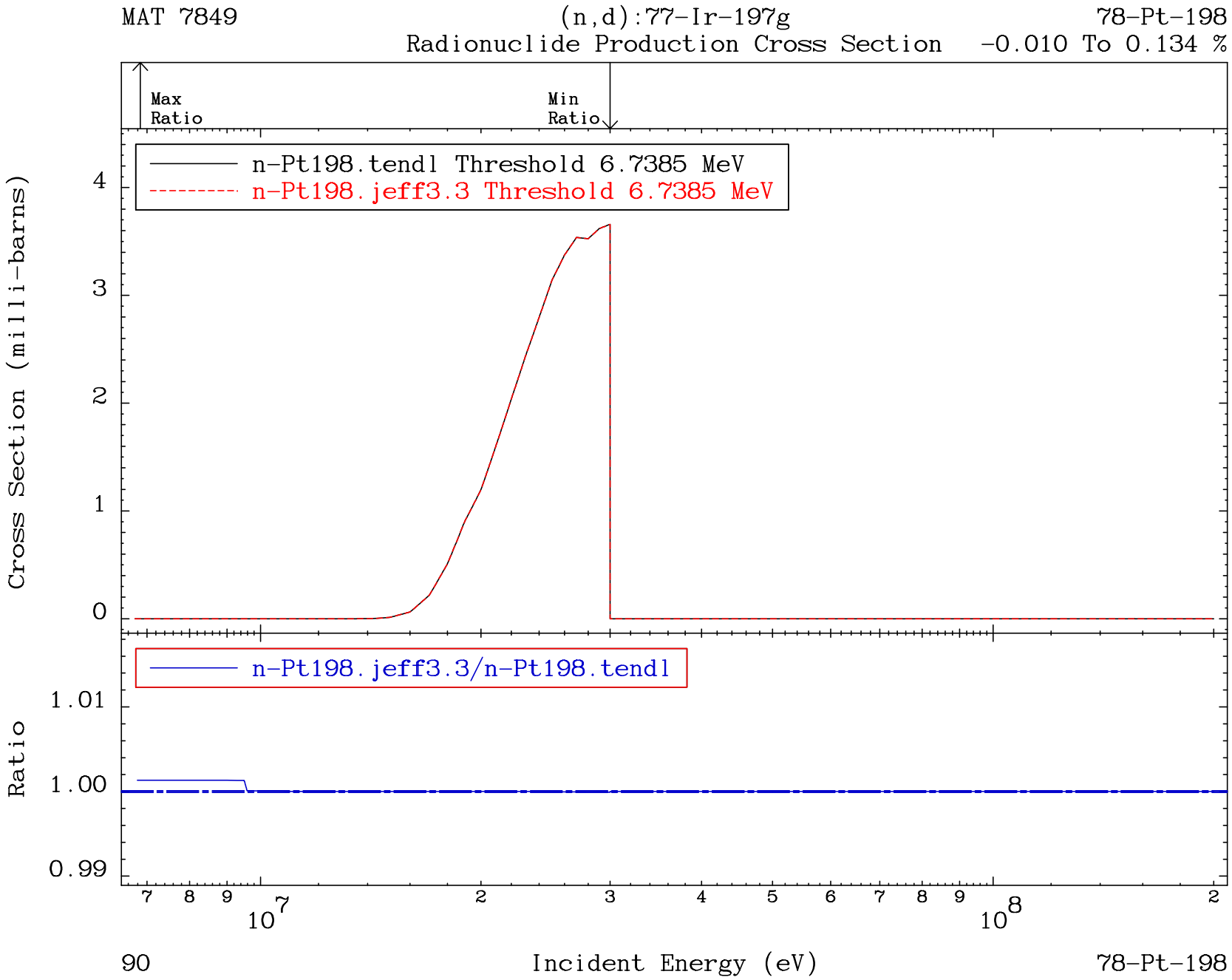

MAT 7849
(n,4n):78-Pt-195m7
78-Pt-198
Radionuclide Production Cross Section 0.000 To 1.813 %
Min
Ratio
n-Pt198.tendl Threshold 21.693 MeV
n-Pt198.jeff3.3 Threshold 21.693 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.02
1.01
1.00
20
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
78-Pt-198

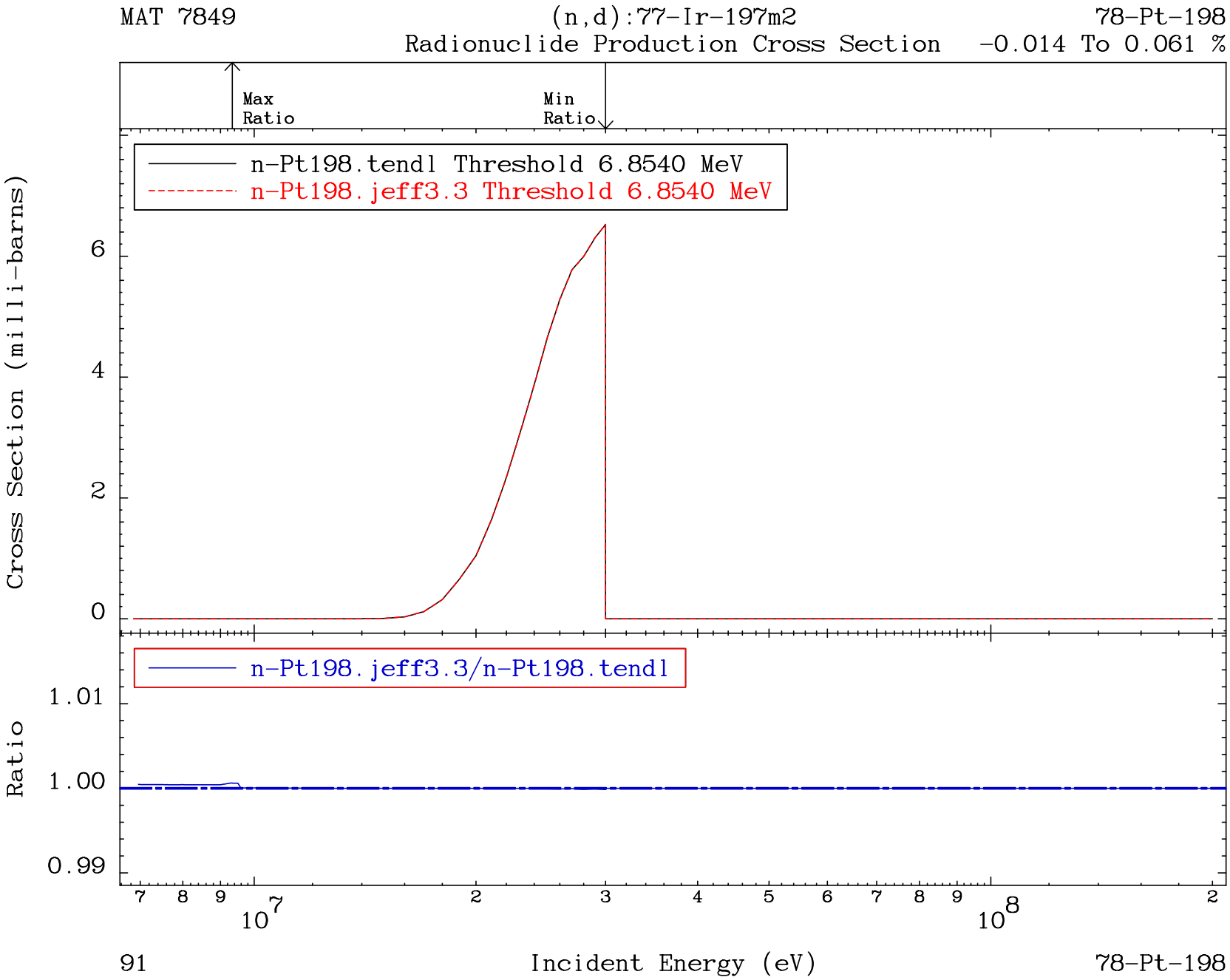

MAT 7849
(n,2n) p:77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section
-0.009 To 1.550 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 15.909 MeV
n-Pt198.jeff3.3 Threshold 15.909 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
1.01
1.02
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
78-Pt-198

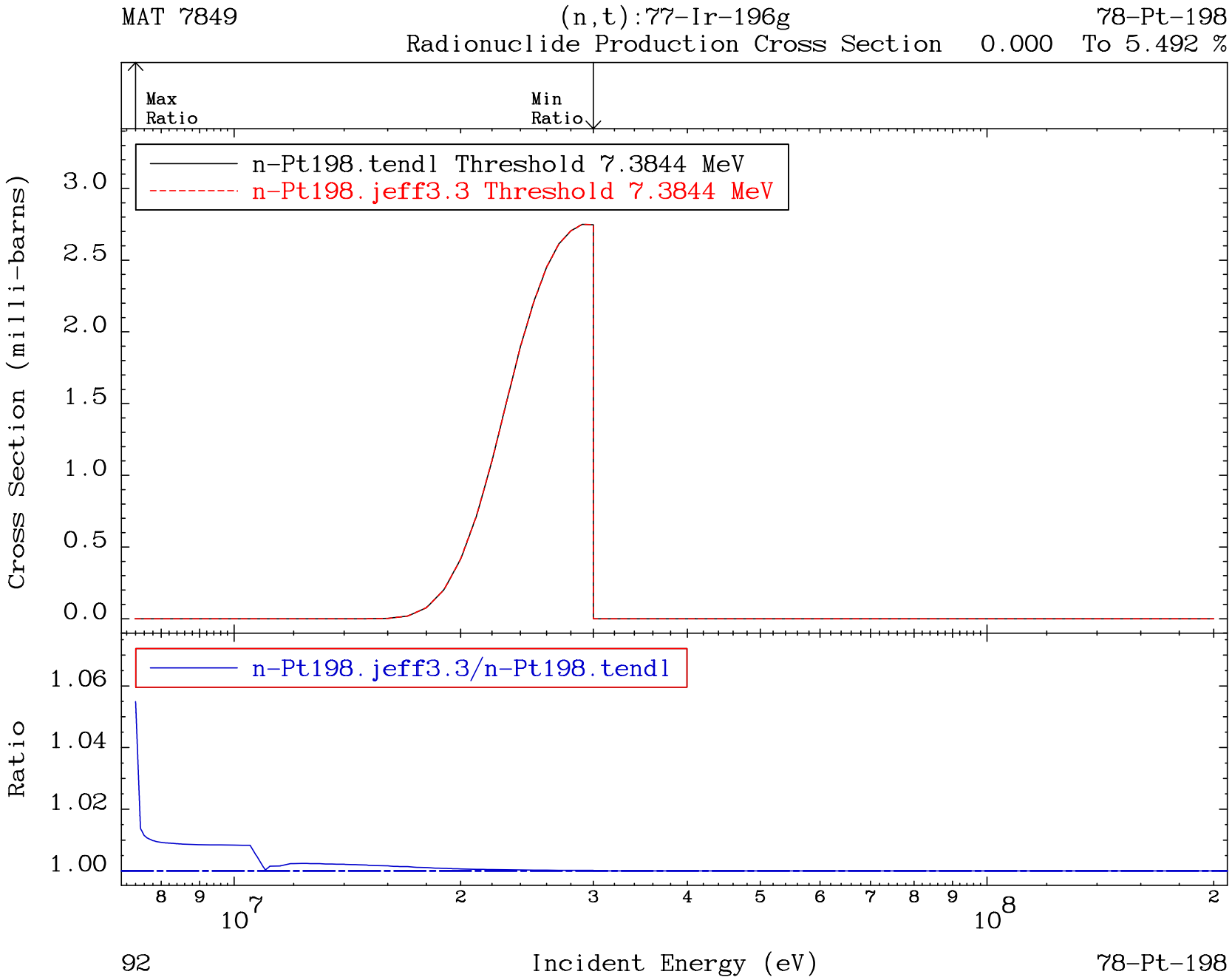

MAT 7849
(n,2n) p:77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section 0.000 To 4.198 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 16.322 MeV
n-Pt198.jeff3.3 Threshold 16.322 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
78-Pt-198

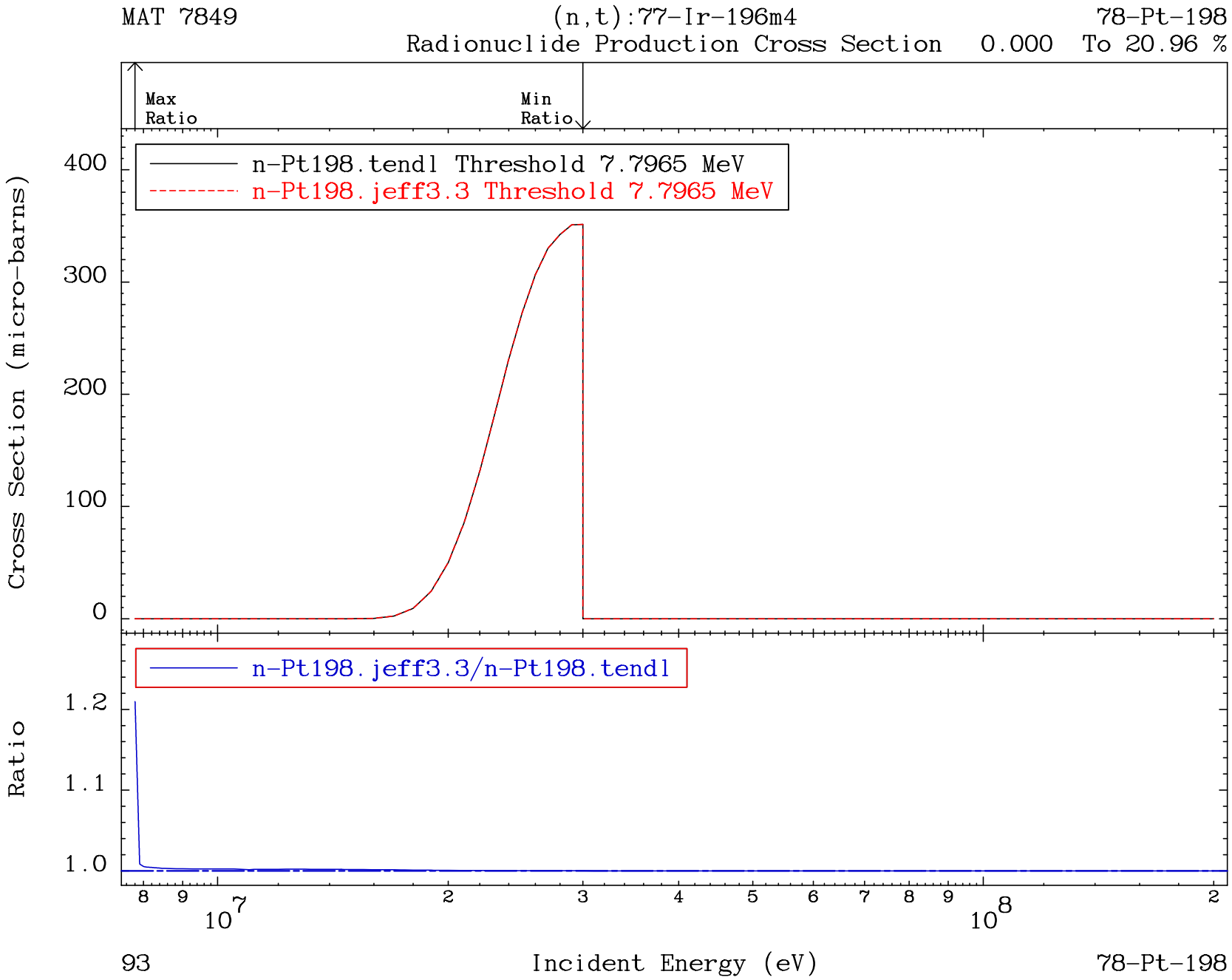

MAT 7849
(n,3n) p:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section
-0.026 To 0.481 %
Min
Ratio
n-Pt198.tendl Threshold 21.754 MeV
n-Pt198.jeff3.3 Threshold 21.754 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.00
1.01
20
40
60
80
100
120
140
160
180
200
88
Incident Energy (MeV)
78-Pt-198


MAT 7849
(n,3n) p:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section
-0.191 To 0.100 %
Max
Ratio
n-Pt198.tendl Threshold 21.854 MeV
n-Pt198.jeff3.3 Threshold 21.854 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
89
Incident Energy (MeV)
78-Pt-198


MAT 7849
(n,d):77-Ir-197g
78-Pt-198
Radionuclide Production Cross Section -0.010 To 0.134 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 6.7385 MeV
n-Pt198.jeff3.3 Threshold 6.7385 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
90
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,d):77-Ir-197m2
78-Pt-198
Radionuclide Production Cross Section -0.014 To 0.061 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 6.8540 MeV
n-Pt198.jeff3.3 Threshold 6.8540 MeV
Cross Section (milli-barns)
0
2
4
6
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
0.99
1.00
1.01
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,t):77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 5.492 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.3844 MeV
n-Pt198.jeff3.3 Threshold 7.3844 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt198.jeff3.3/n-Pt198.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
92
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,t):77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section 0.000 To 20.96 %
Max Ratio
Min Ratio
n-Pt198.tendl Threshold 7.7965 MeV
n-Pt198.jeff3.3 Threshold 7.7965 MeV
Cross Section (micro-barns)
400
300
200
100
0
n-Pt198.jeff3.3/n-Pt198.tendl
Ratio
1.2
1.1
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
78-Pt-198