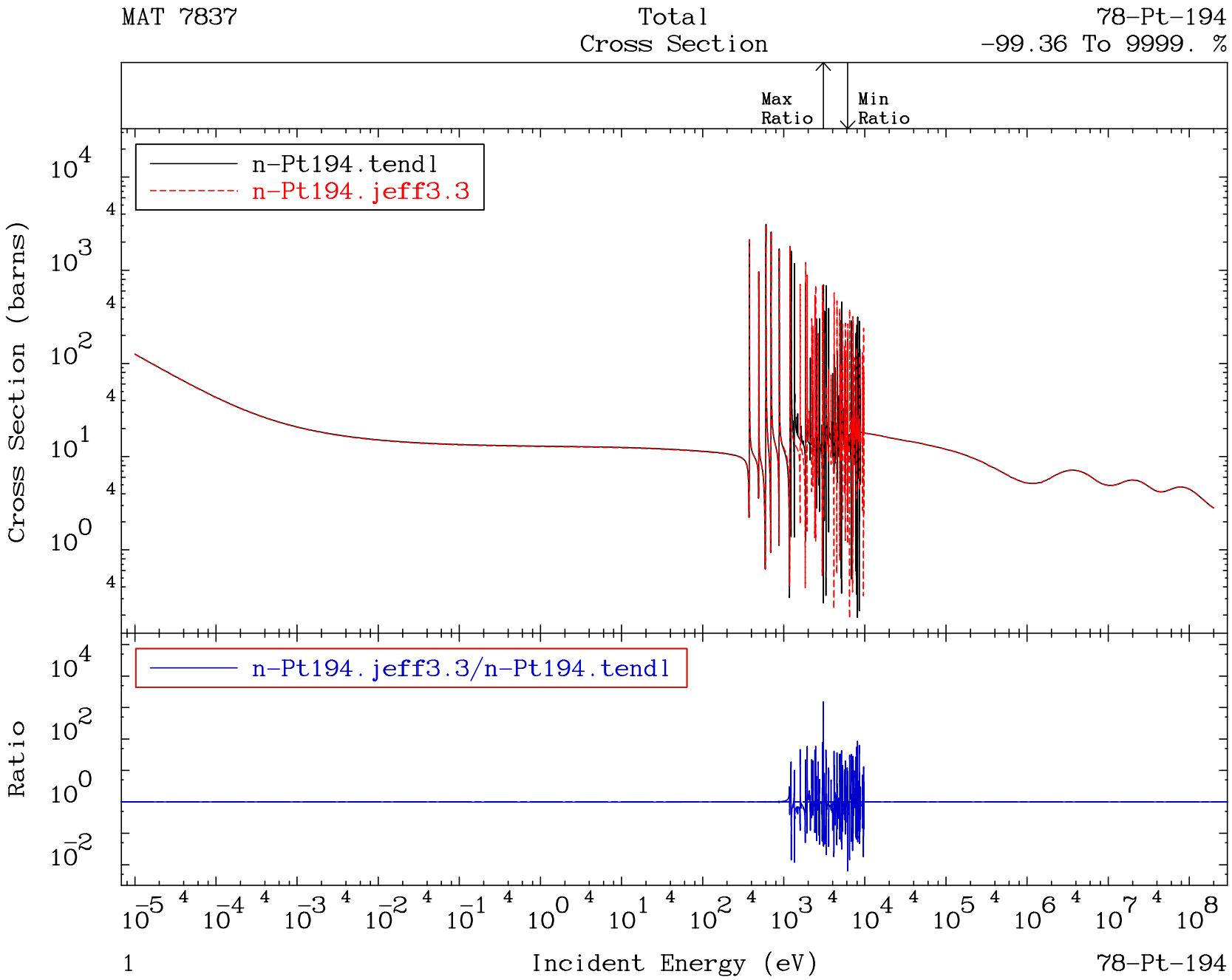
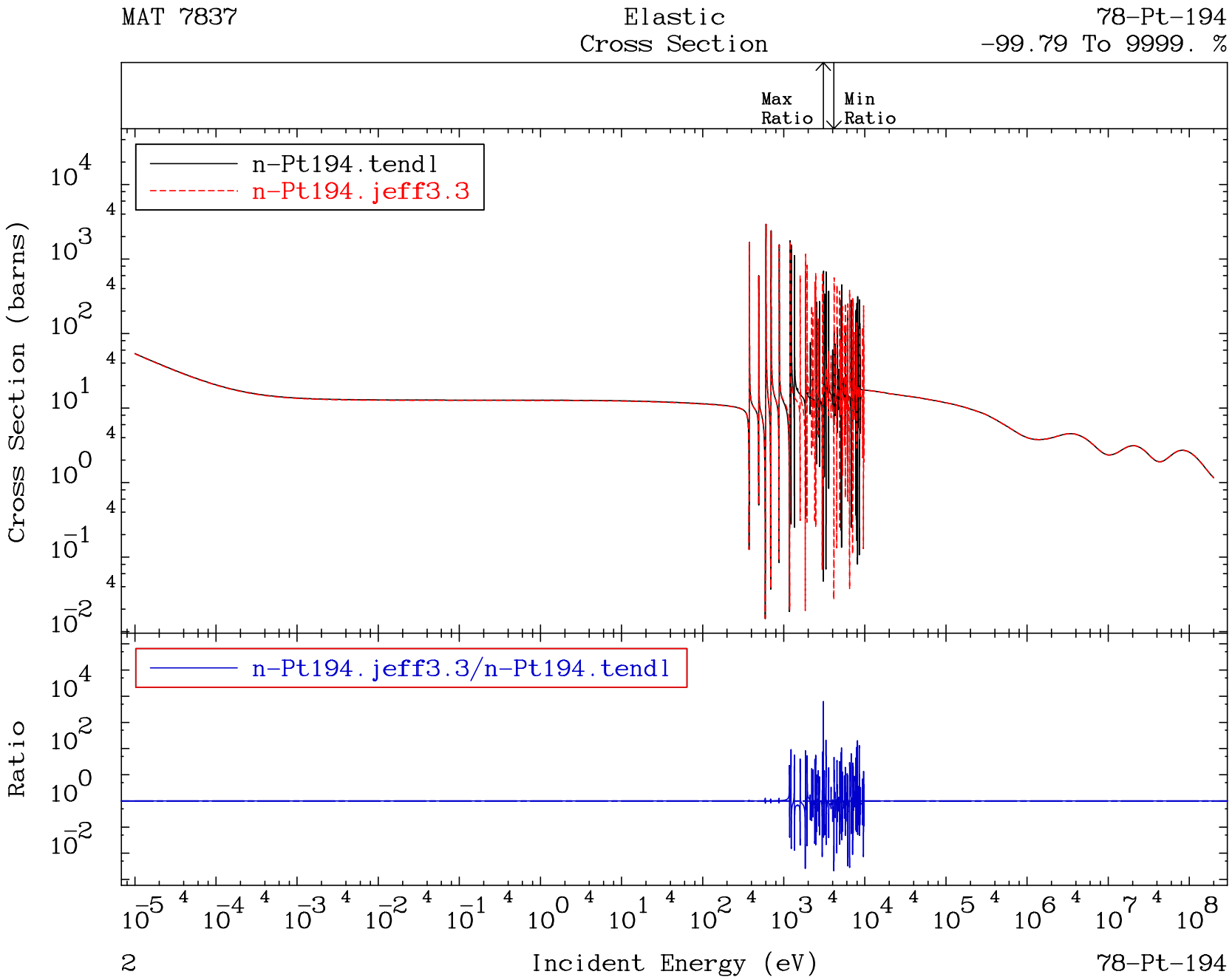
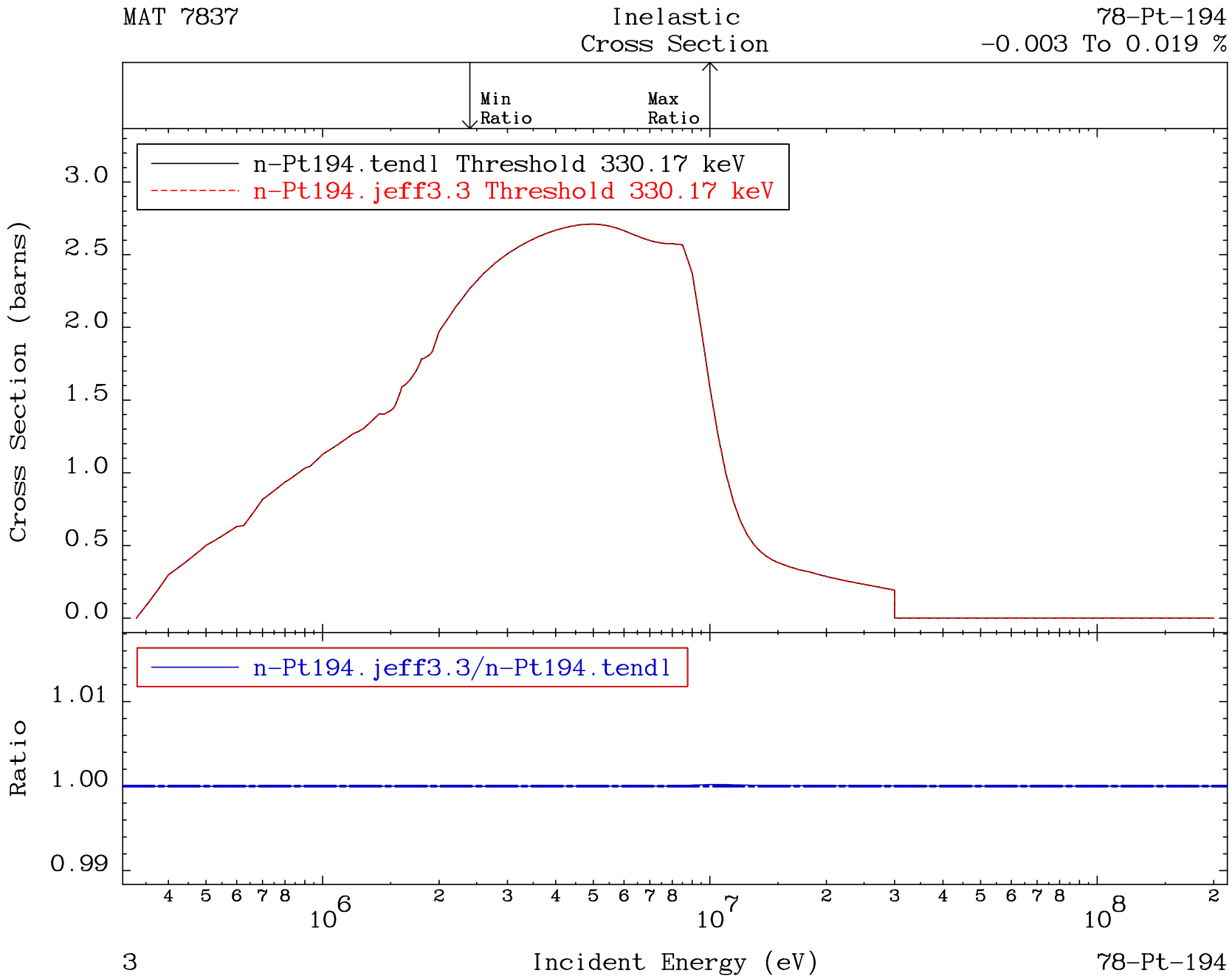
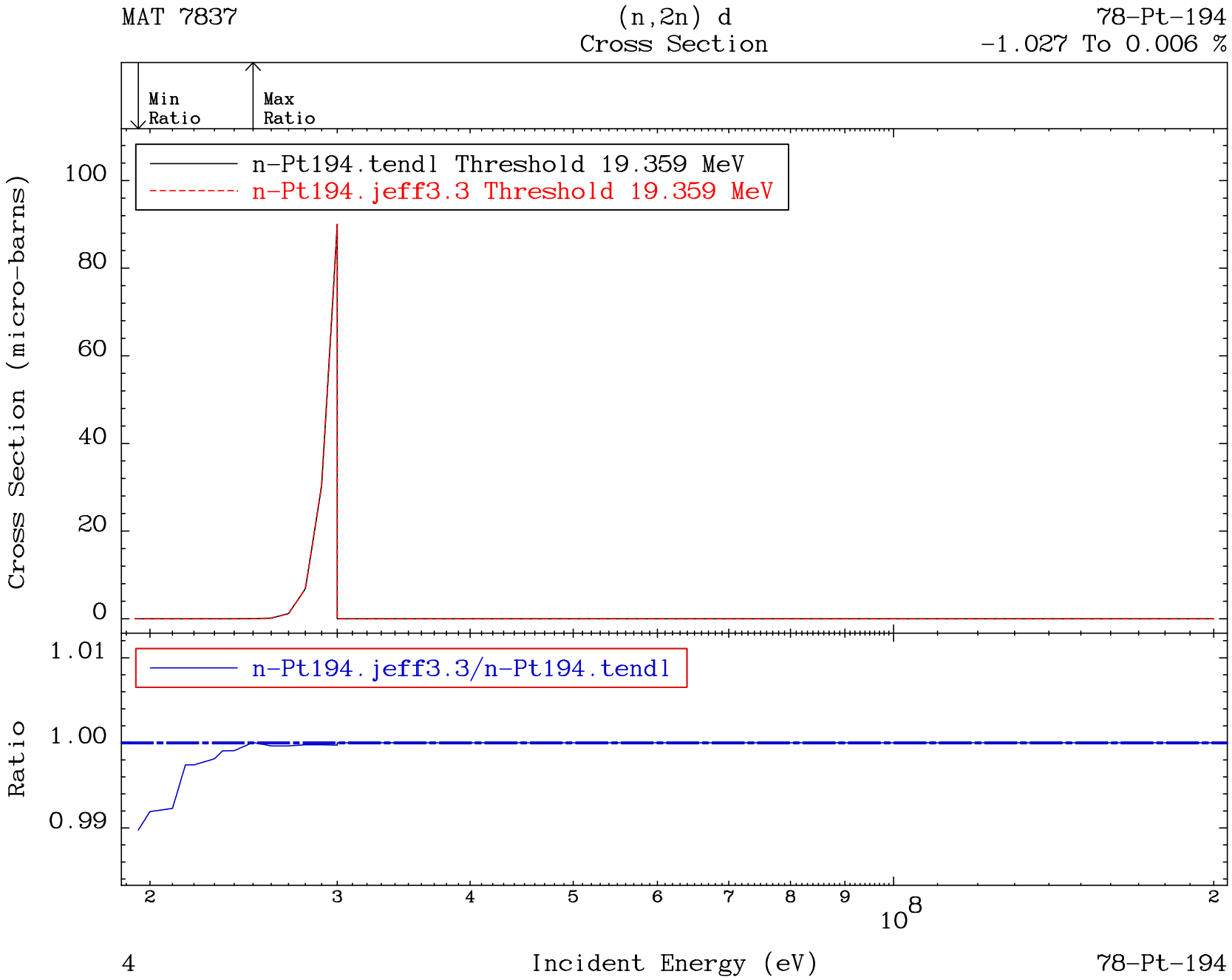
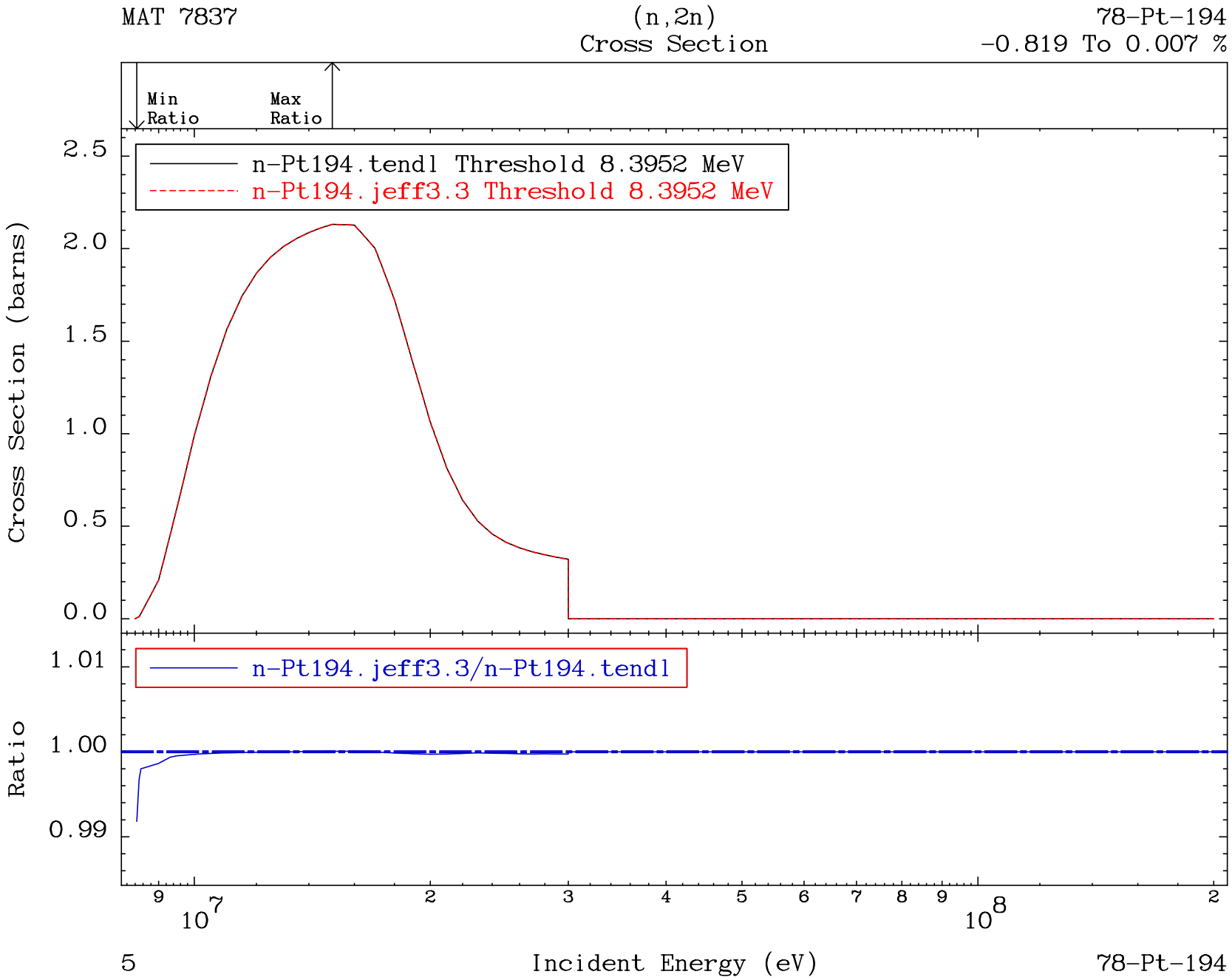
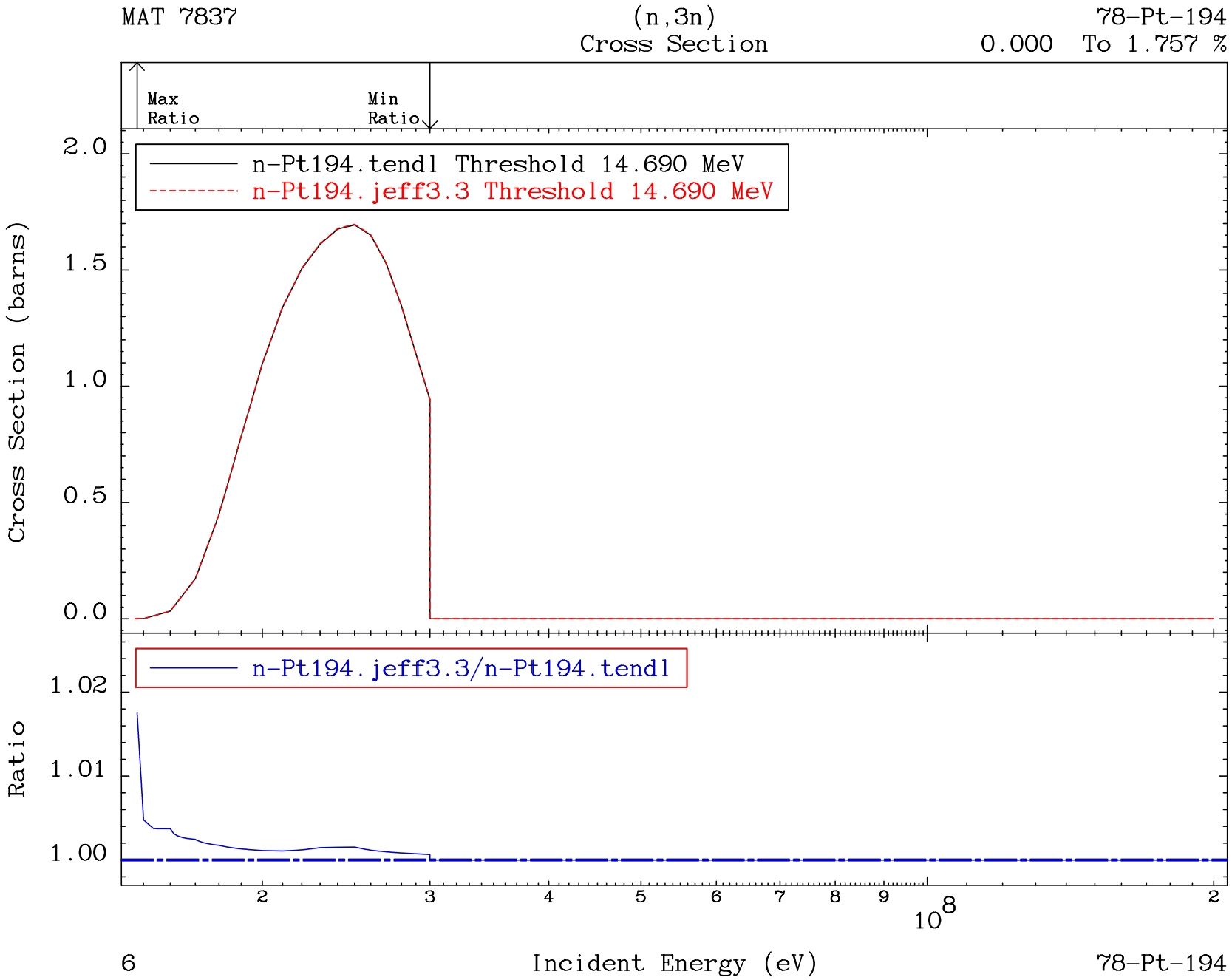

MAT 7837
Total
Cross Section
78-Pt-194
-99.36 To 9999. %
Max
Ratio
Min
Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
1
78-Pt-194

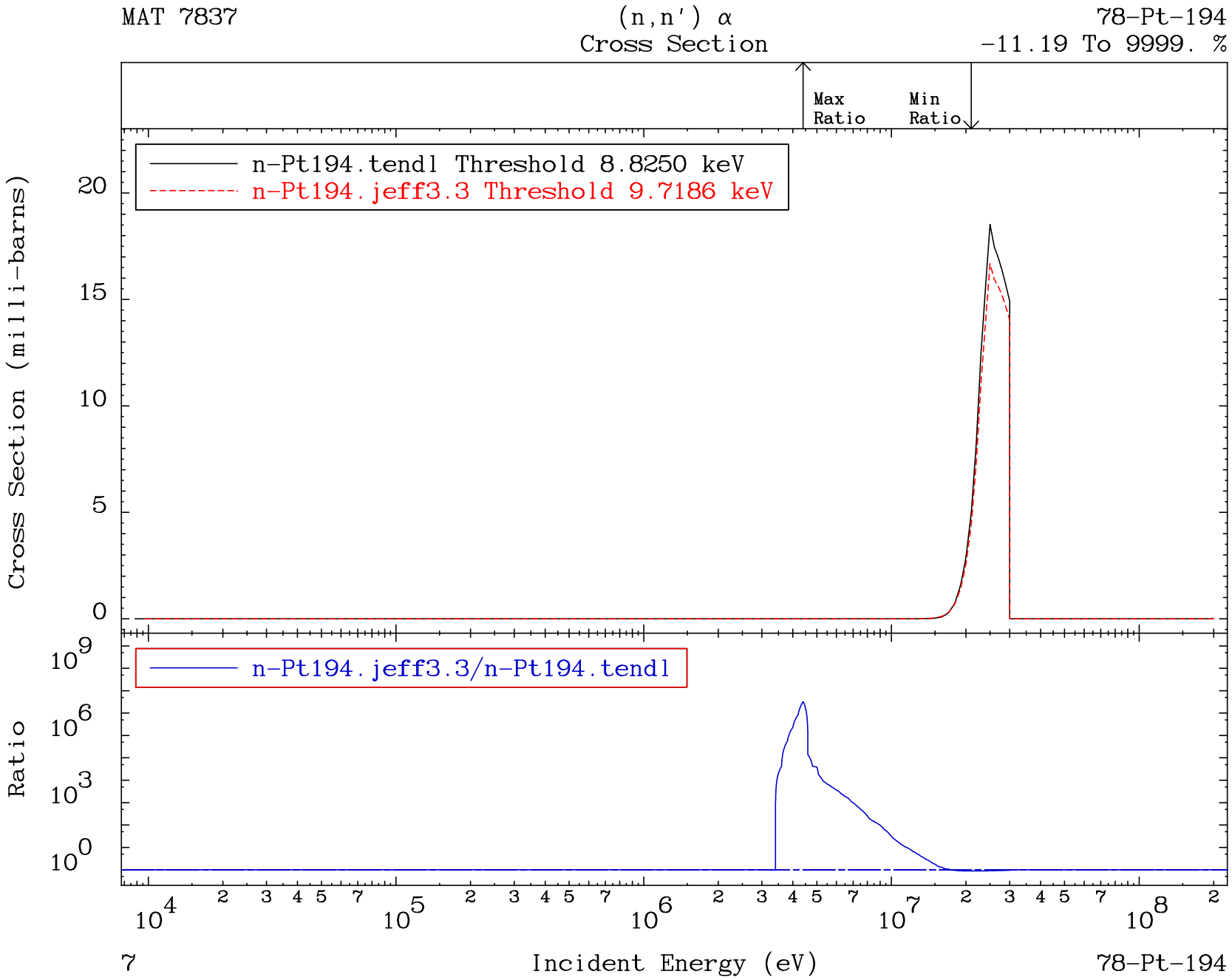

MAT 7837
Elastic
Cross Section
78-Pt-194
-99.79 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
2
78-Pt-194

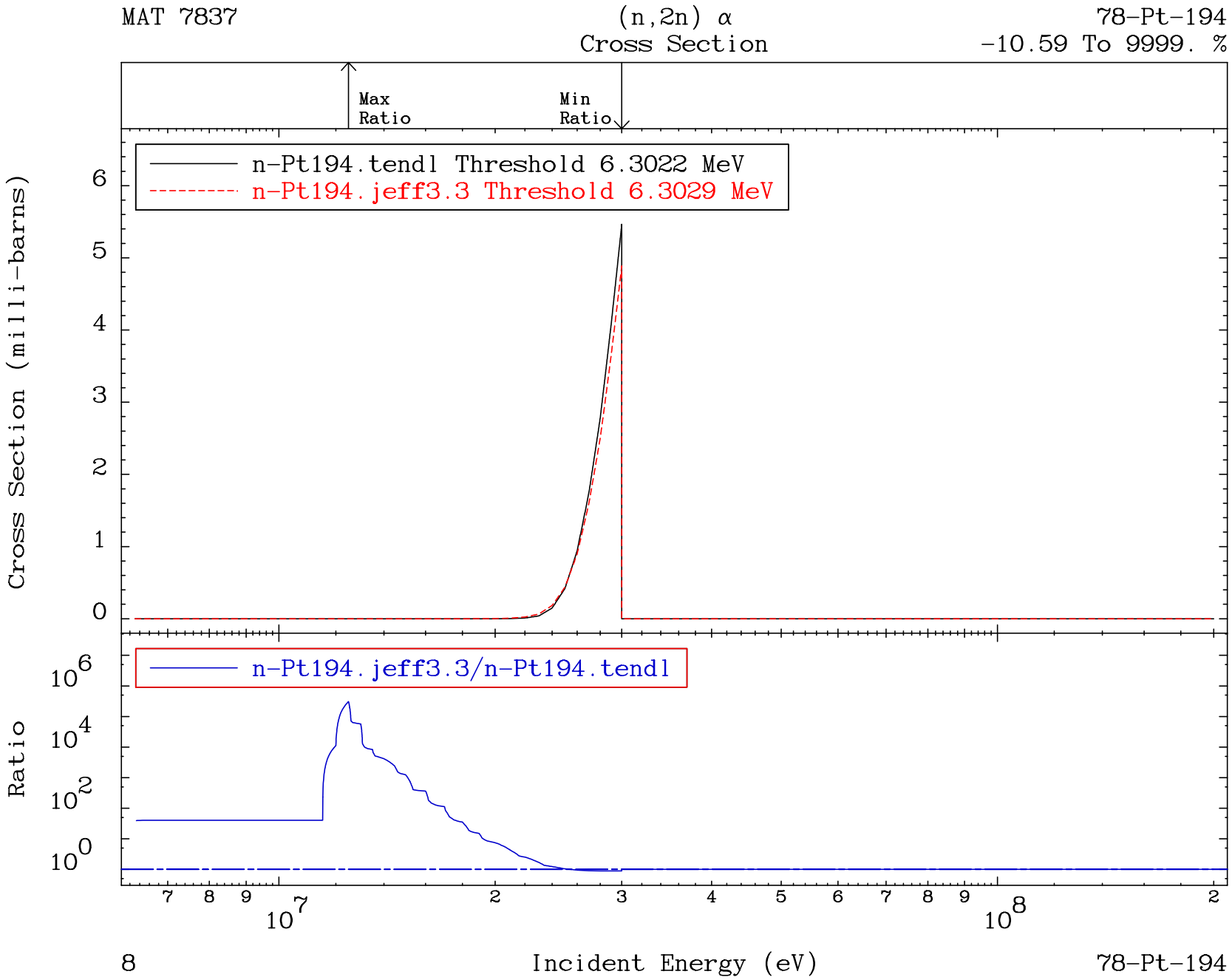

MAT 7837
Inelastic
Cross Section
78-Pt-194
-0.003 To 0.019 %
Min
Ratio
Max
Ratio
n-Pt194.tendl Threshold 330.17 keV
n-Pt194.jeff3.3 Threshold 330.17 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
78-Pt-194

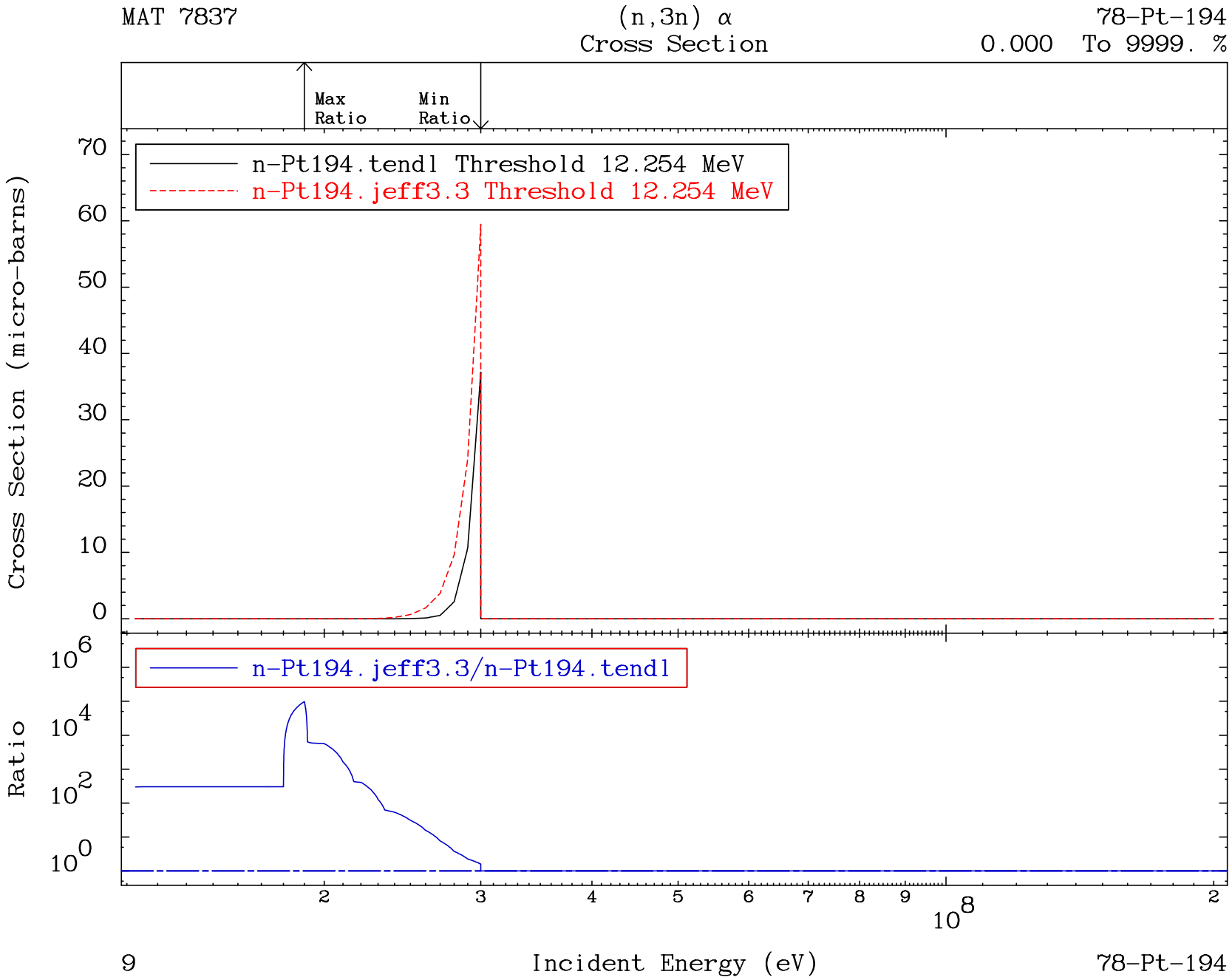

MAT 7837
(n,2n) d
Cross Section
78-Pt-194
-1.027 To 0.006 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 19.359 MeV
n-Pt194.jeff3.3 Threshold 19.359 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-194

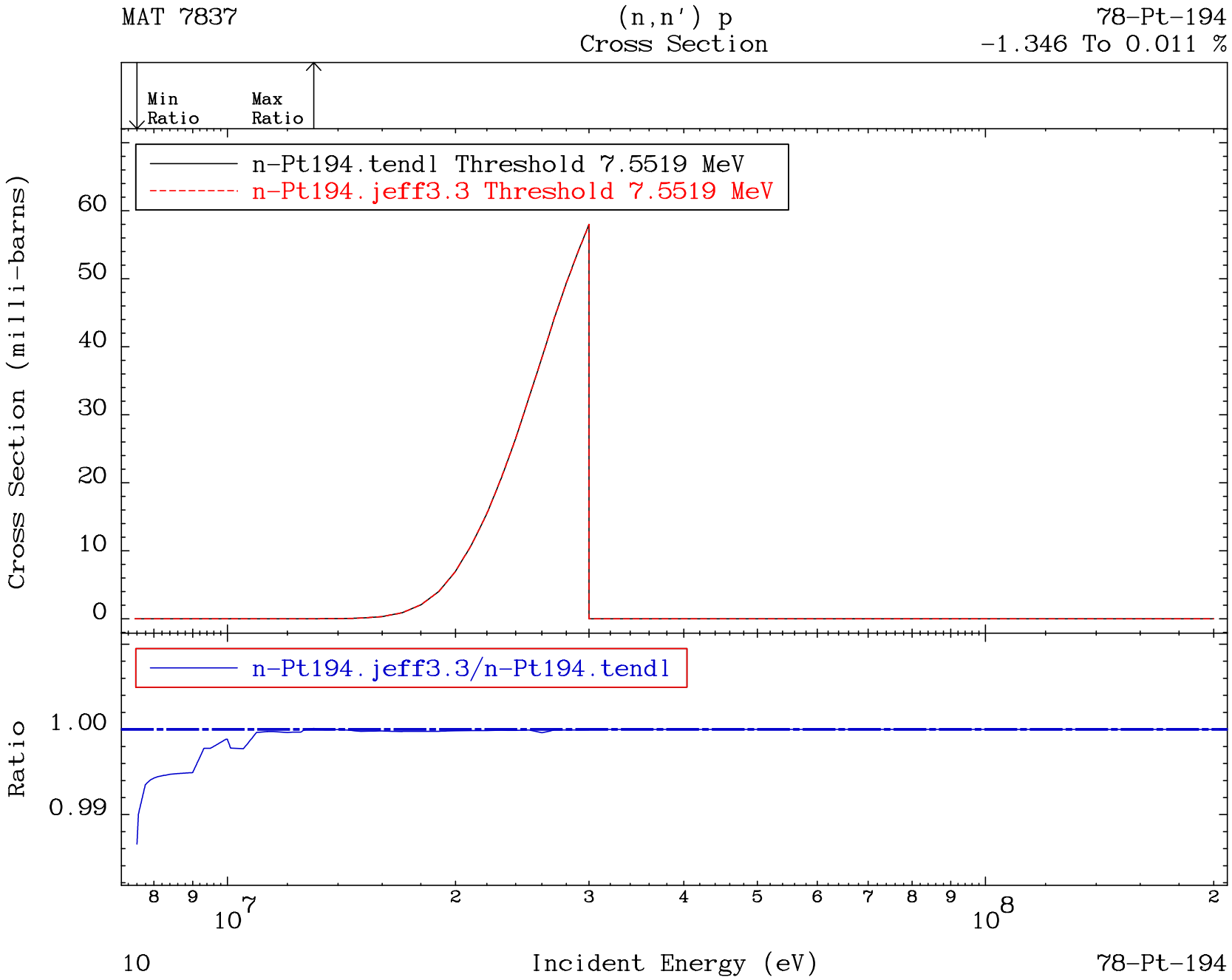

MAT 7837
(n,2n)
Cross Section
78-Pt-194
-0.819 To 0.007 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 8.3952 MeV
n-Pt194.jeff3.3 Threshold 8.3952 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
78-Pt-194

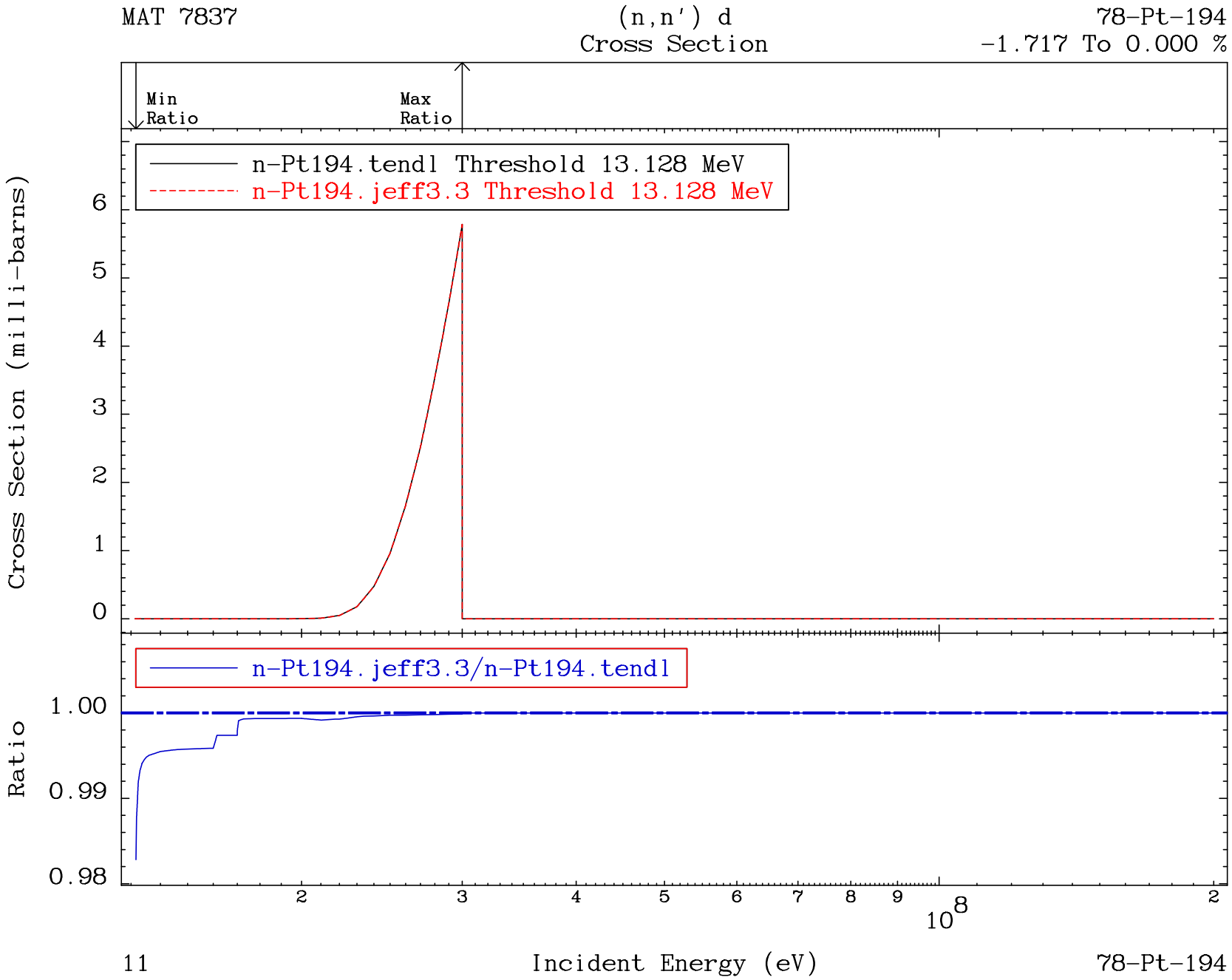

MAT 7837
(n,3n)
Cross Section
78-Pt-194
0.000 To 1.757 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 14.690 MeV
n-Pt194.jeff3.3 Threshold 14.690 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
78-Pt-194

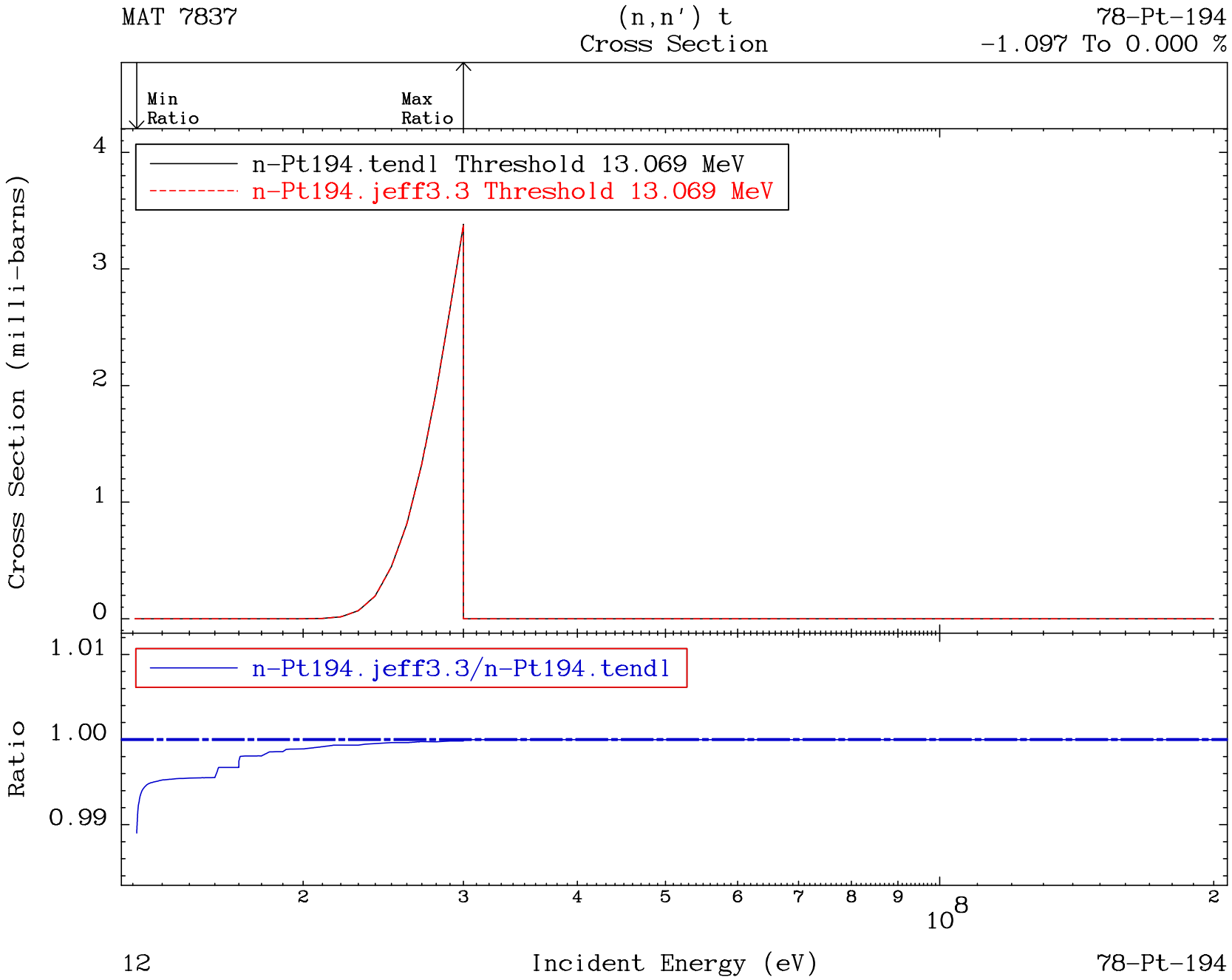

MAT 7837
(n,n') α
Cross Section
78-Pt-194
-11.19 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 8.8250 keV
n-Pt194.jeff3.3 Threshold 9.7186 keV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^9
10^6
10^3
10^0
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
7
78-Pt-194

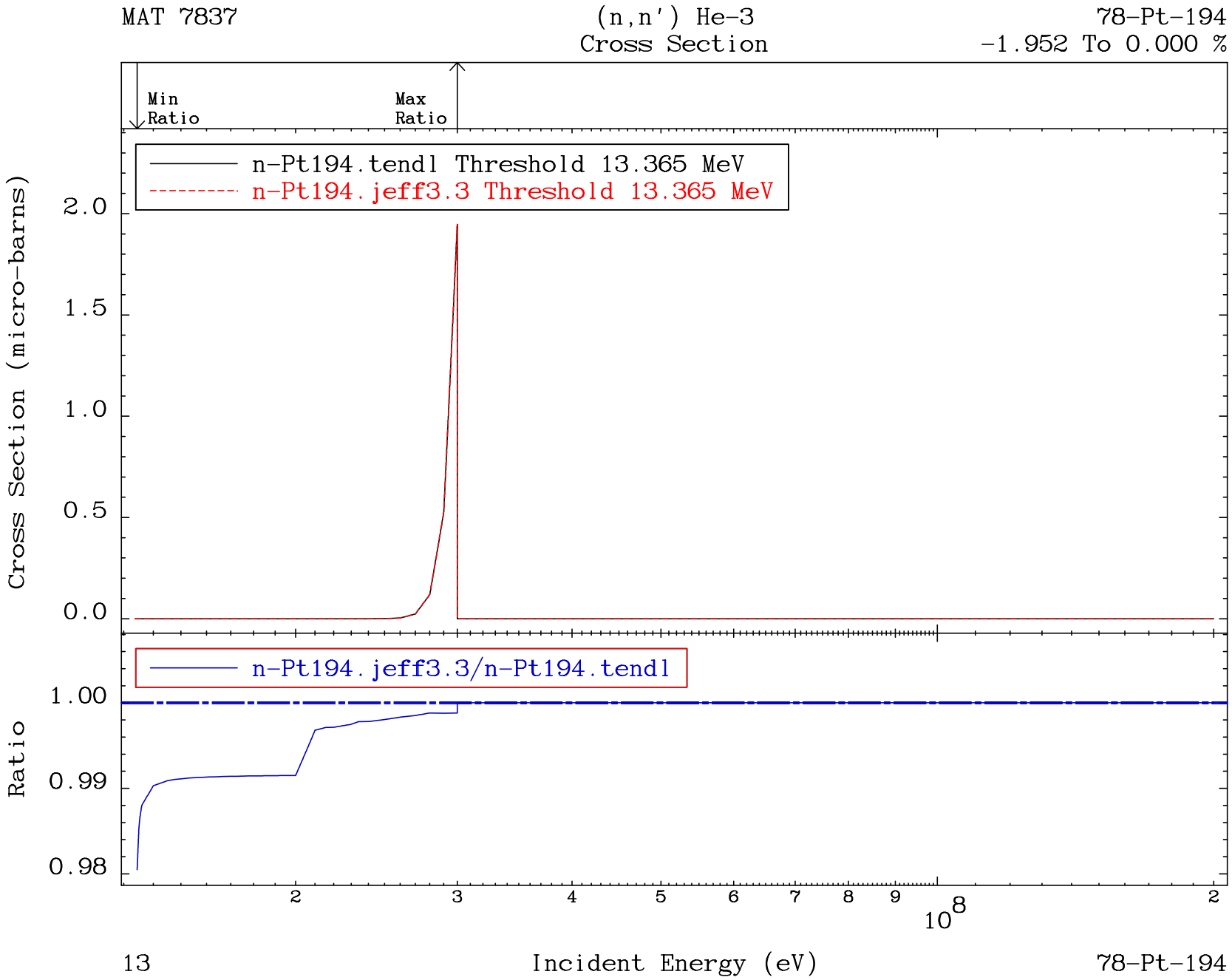

MAT 7837
(n,2n) α
Cross Section
78-Pt-194
-10.59 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 6.3022 MeV
n-Pt194.jeff3.3 Threshold 6.3029 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
8
78-Pt-194

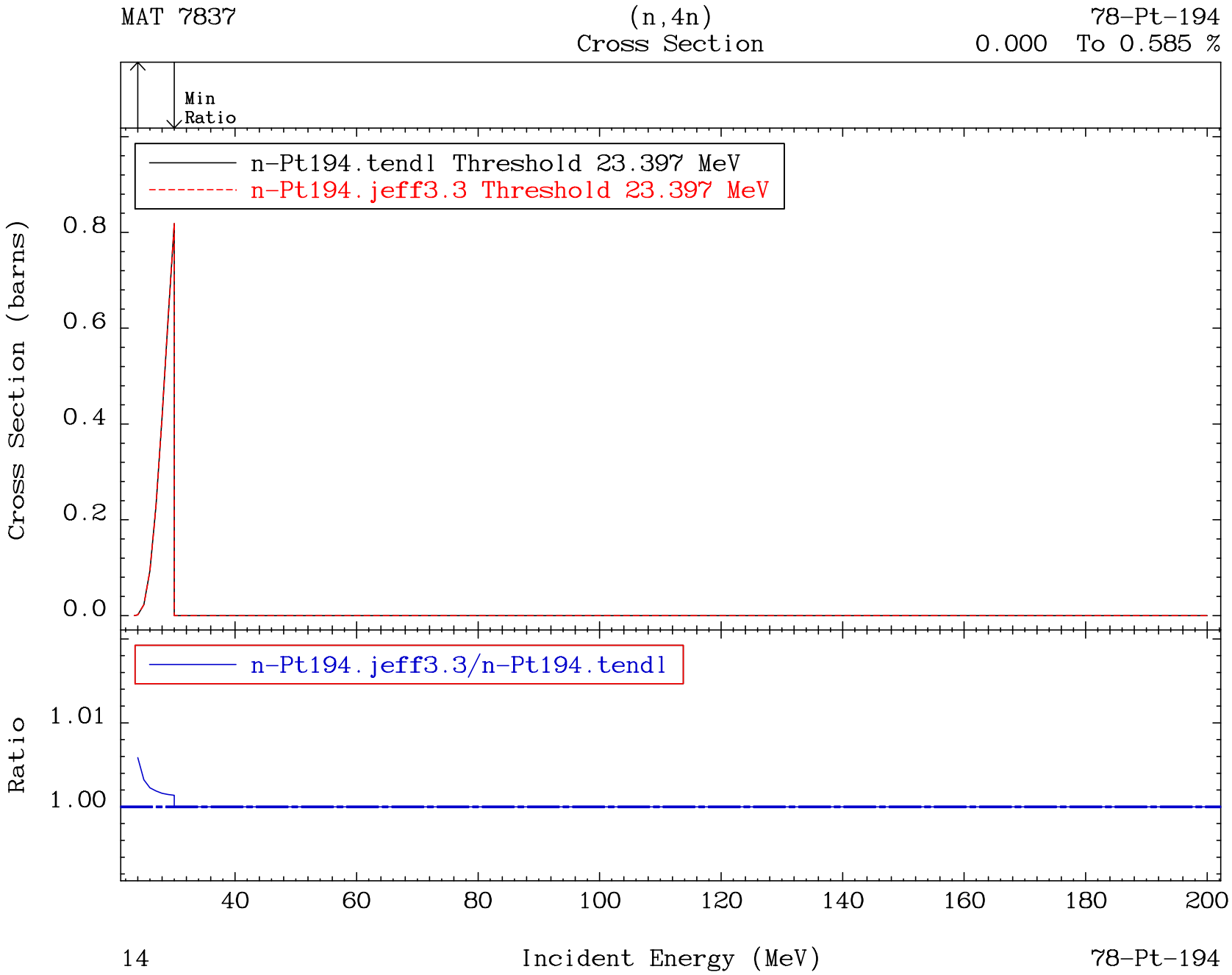

MAT 7837
(n,3n) α
Cross Section
78-Pt-194
0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 12.254 MeV
n-Pt194.jeff3.3 Threshold 12.254 MeV
Cross Section (micro-barns)
70
60
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^6
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-194

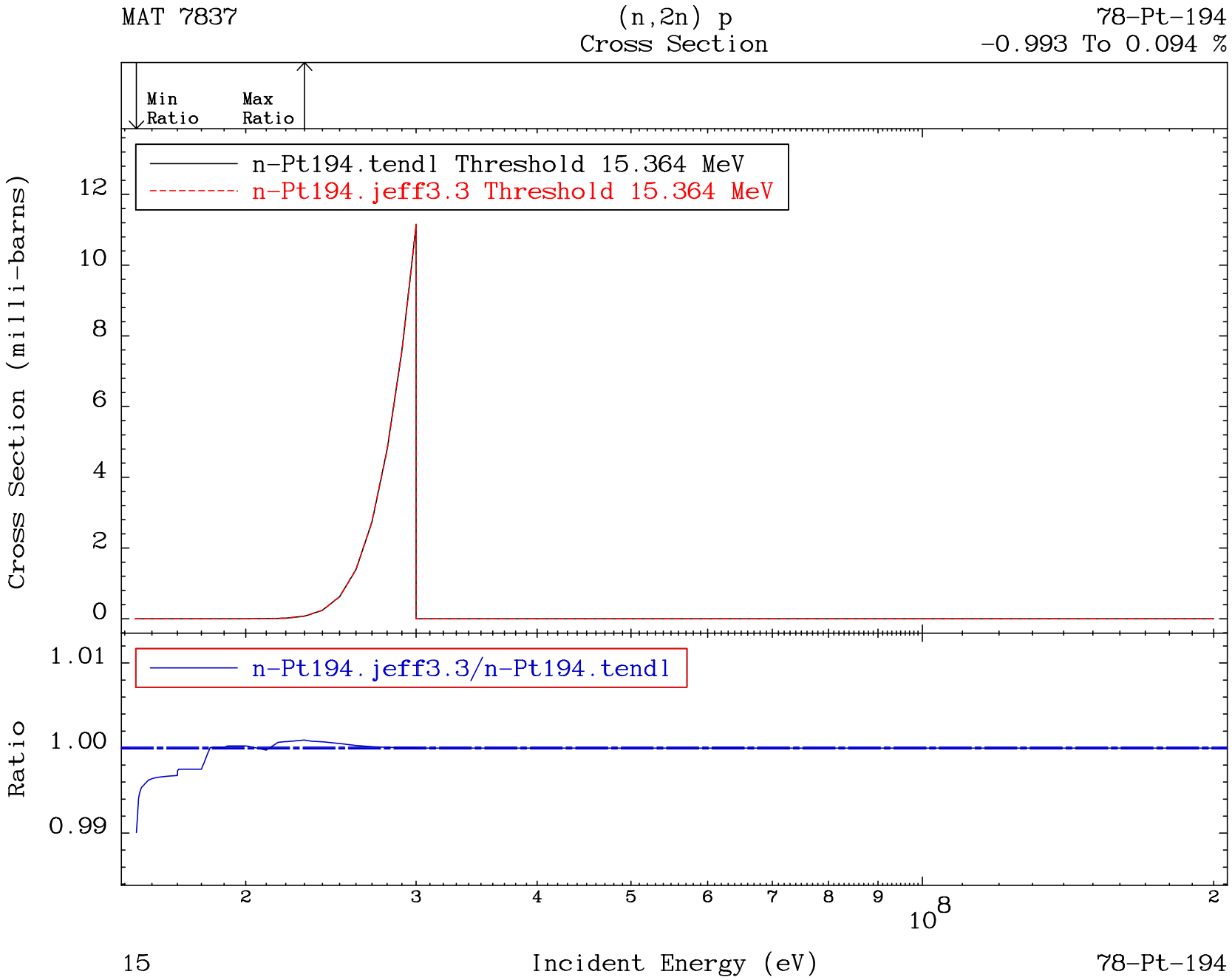

MAT 7837
(n,n') p
Cross Section
78-Pt-194
-1.346 To 0.011 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 7.5519 MeV
n-Pt194.jeff3.3 Threshold 7.5519 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
78-Pt-194

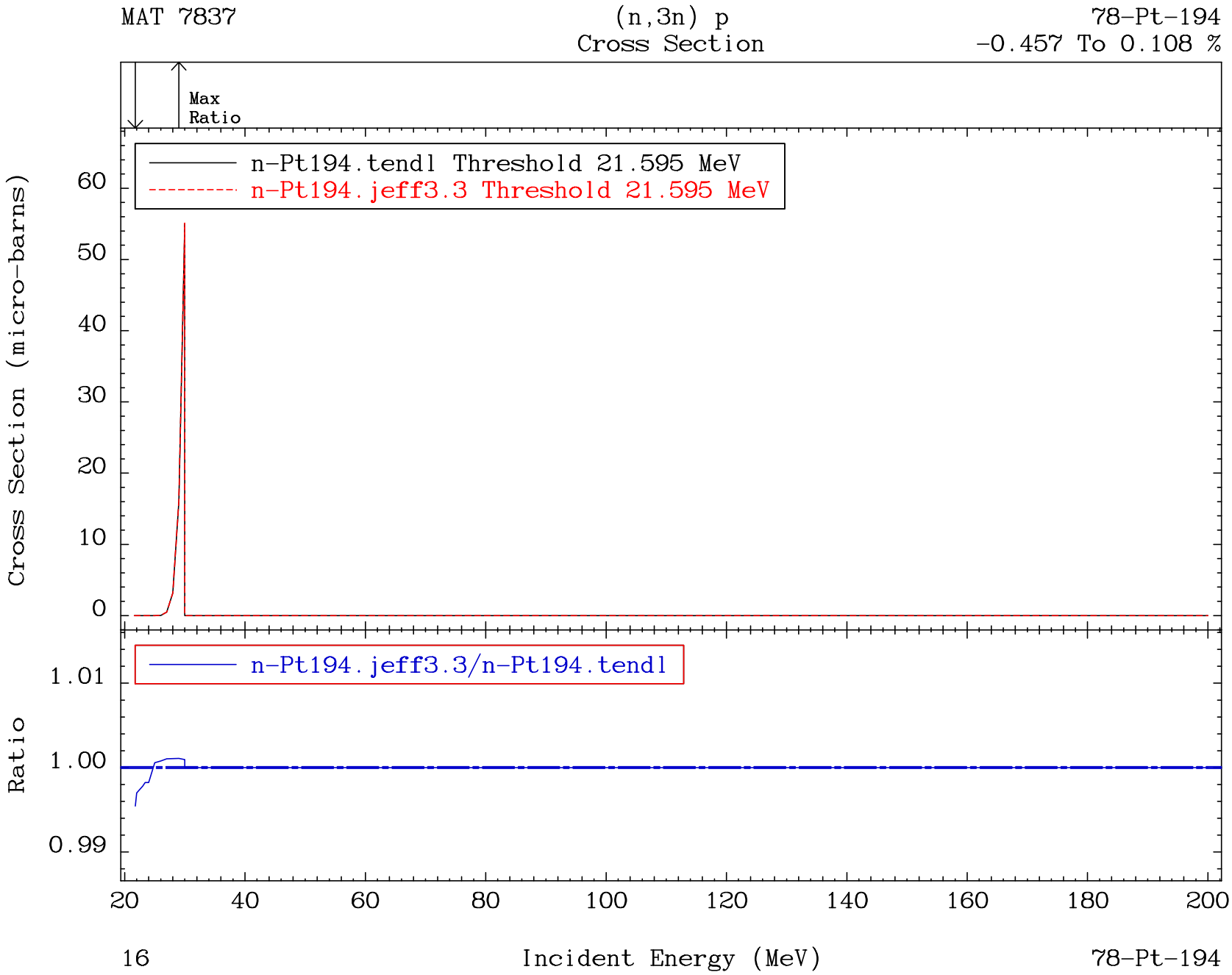

MAT 7837
(n,n') d
Cross Section
78-Pt-194
-1.717 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.128 MeV
n-Pt194.jeff3.3 Threshold 13.128 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
0.98
0.99
1.00
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
78-Pt-194

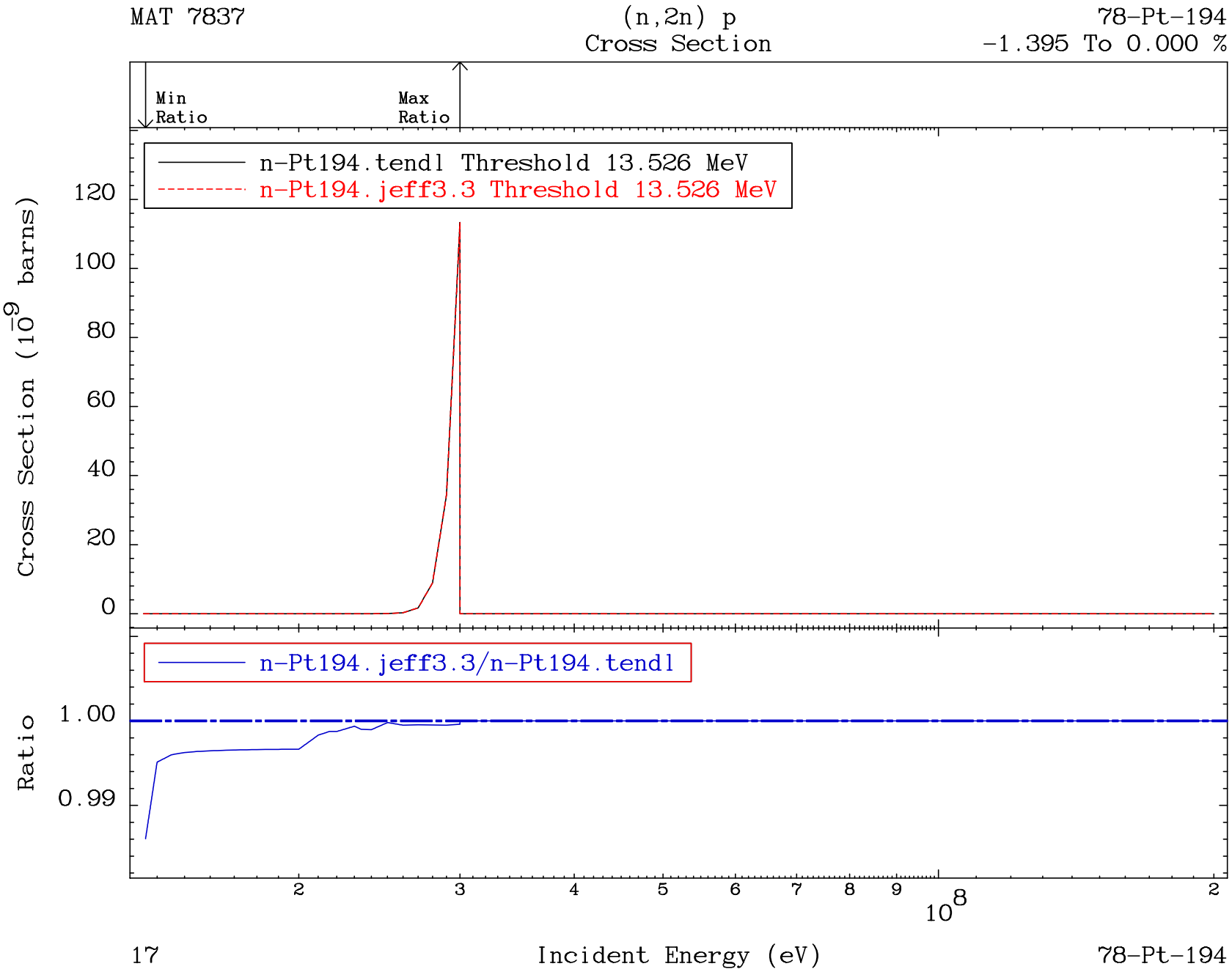

MAT 7837
(n,n') t
Cross Section
78-Pt-194
-1.097 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.069 MeV
n-Pt194.jeff3.3 Threshold 13.069 MeV
Cross Section (milli-barns)
4
3
2
1
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
78-Pt-194

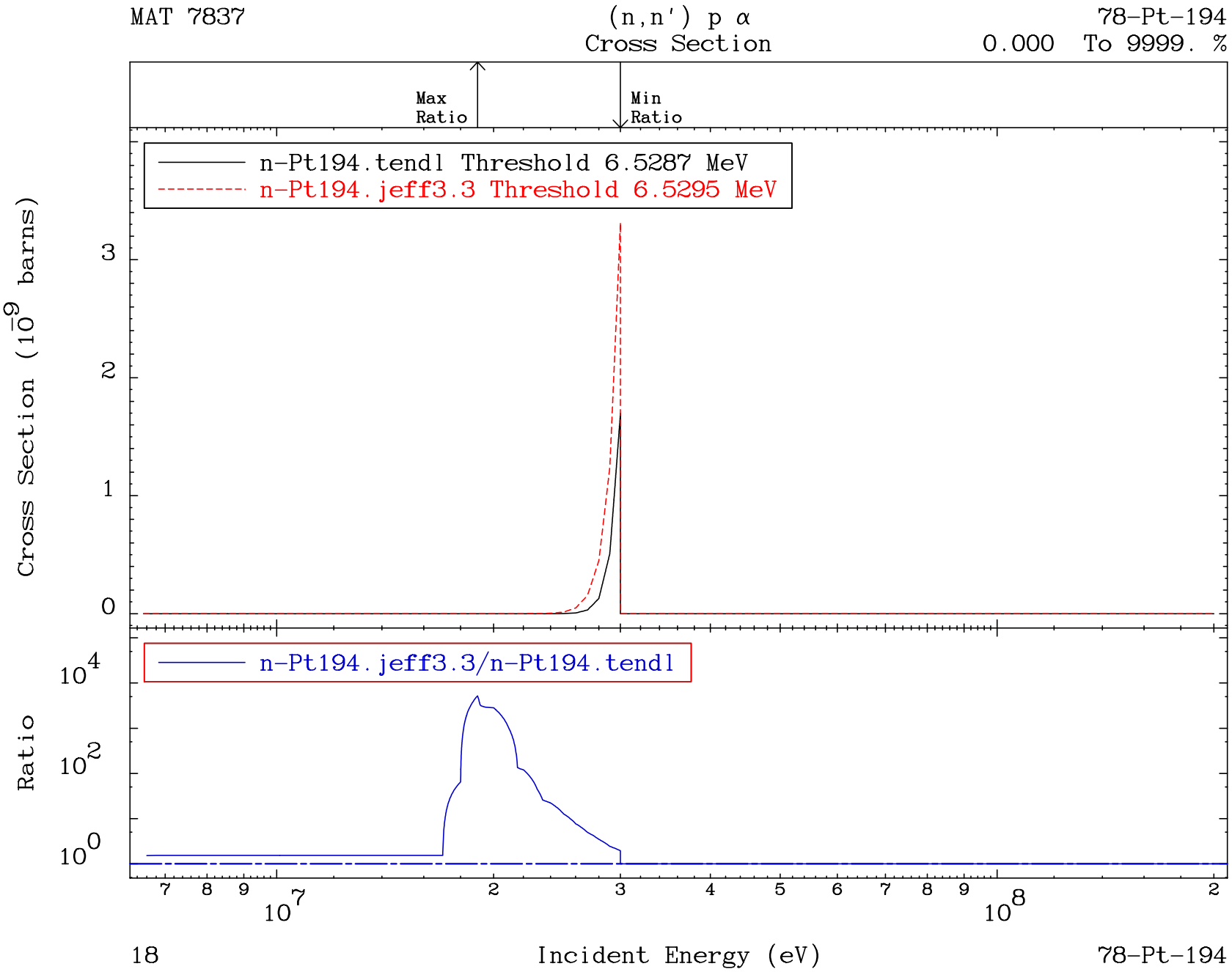

MAT 7837
(n,n') He-3
Cross Section
78-Pt-194
-1.952 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.365 MeV
n-Pt194.jeff3.3 Threshold 13.365 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
78-Pt-194

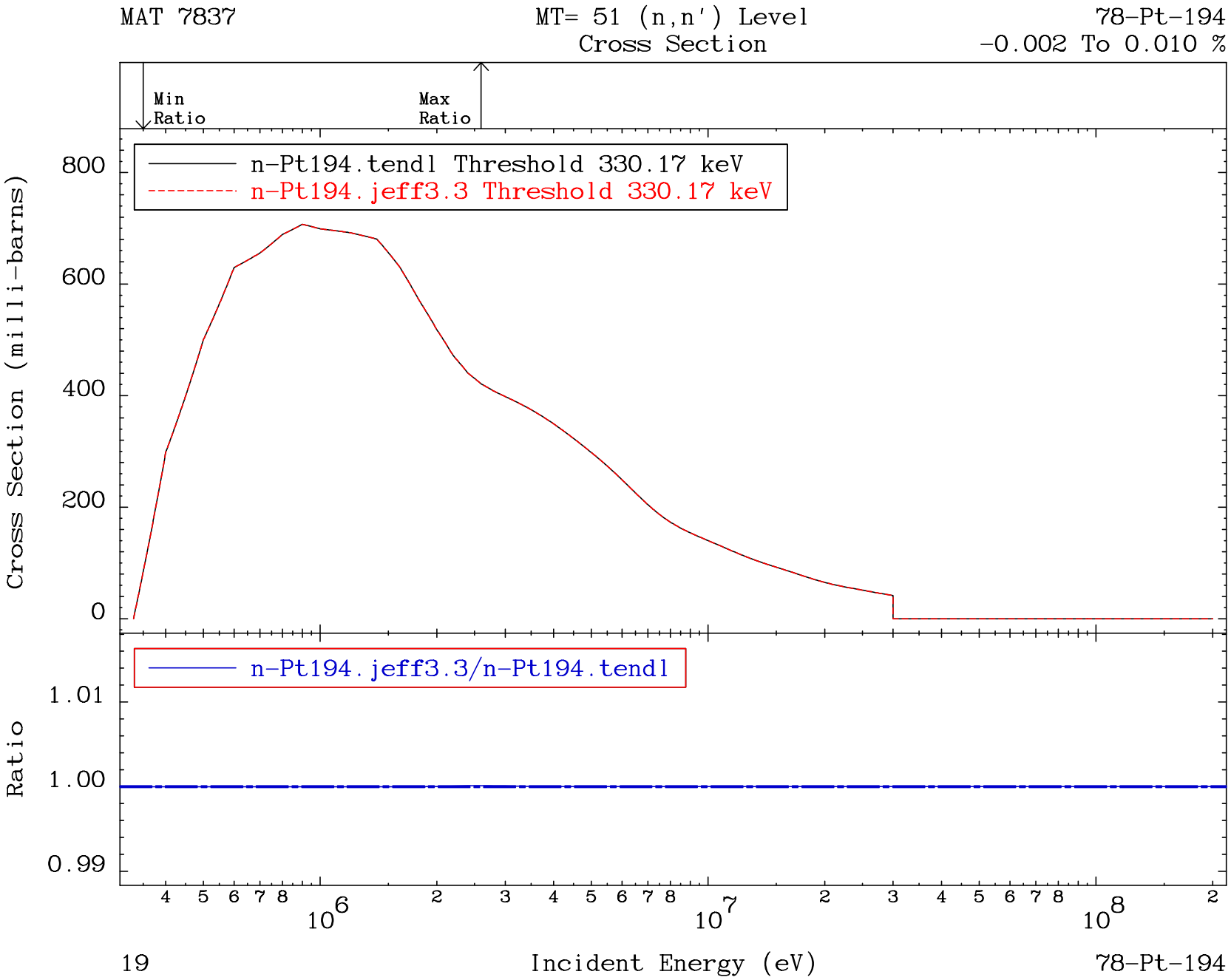

MAT 7837
(n,4n)
Cross Section
78-Pt-194
0.000 To 0.585 %
Min
Ratio
n-Pt194.tendl Threshold 23.397 MeV
n-Pt194.jeff3.3 Threshold 23.397 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
78-Pt-194

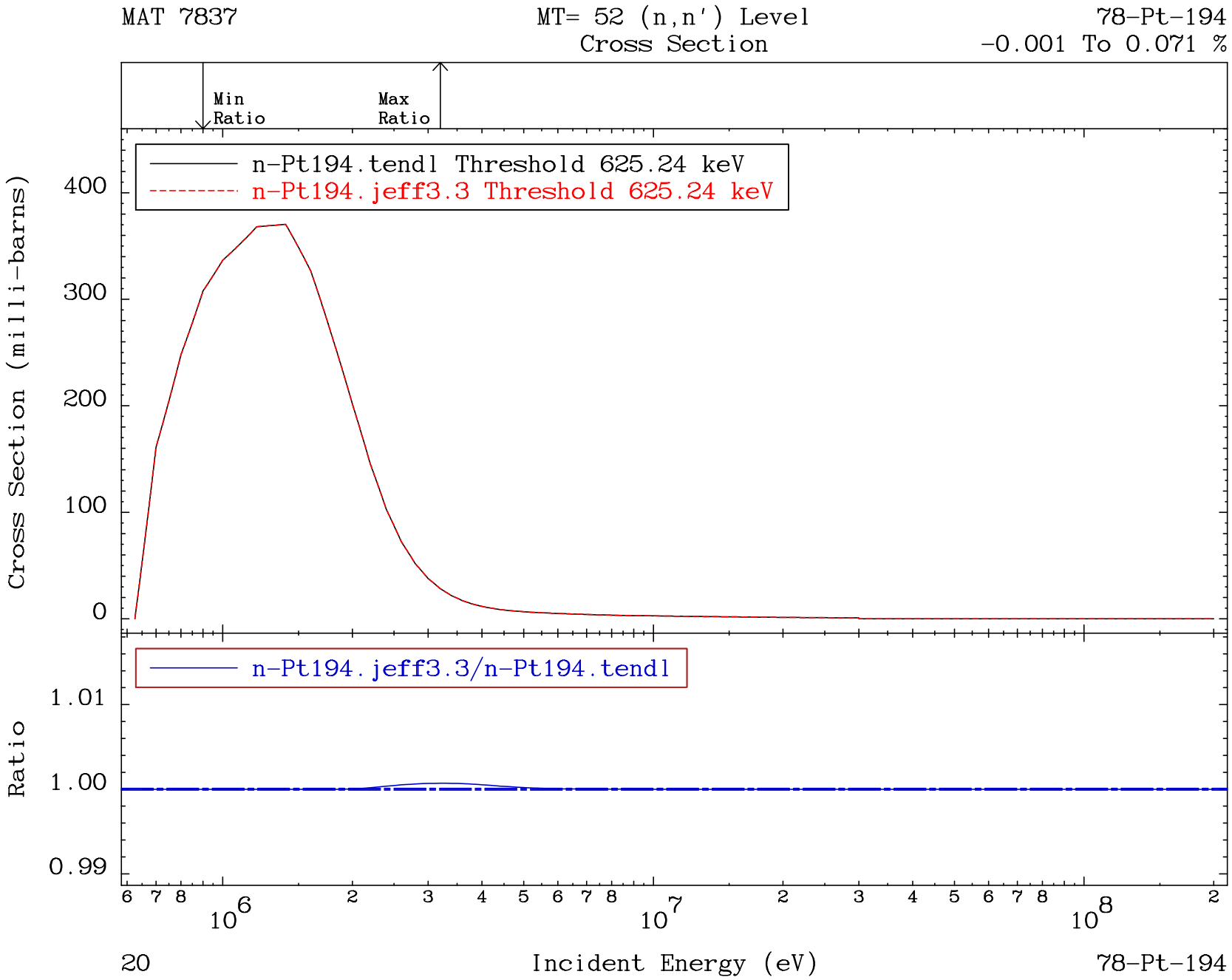

MAT 7837
(n,2n) p
Cross Section
78-Pt-194
-0.993 To 0.094 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 15.364 MeV
n-Pt194.jeff3.3 Threshold 15.364 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
78-Pt-194

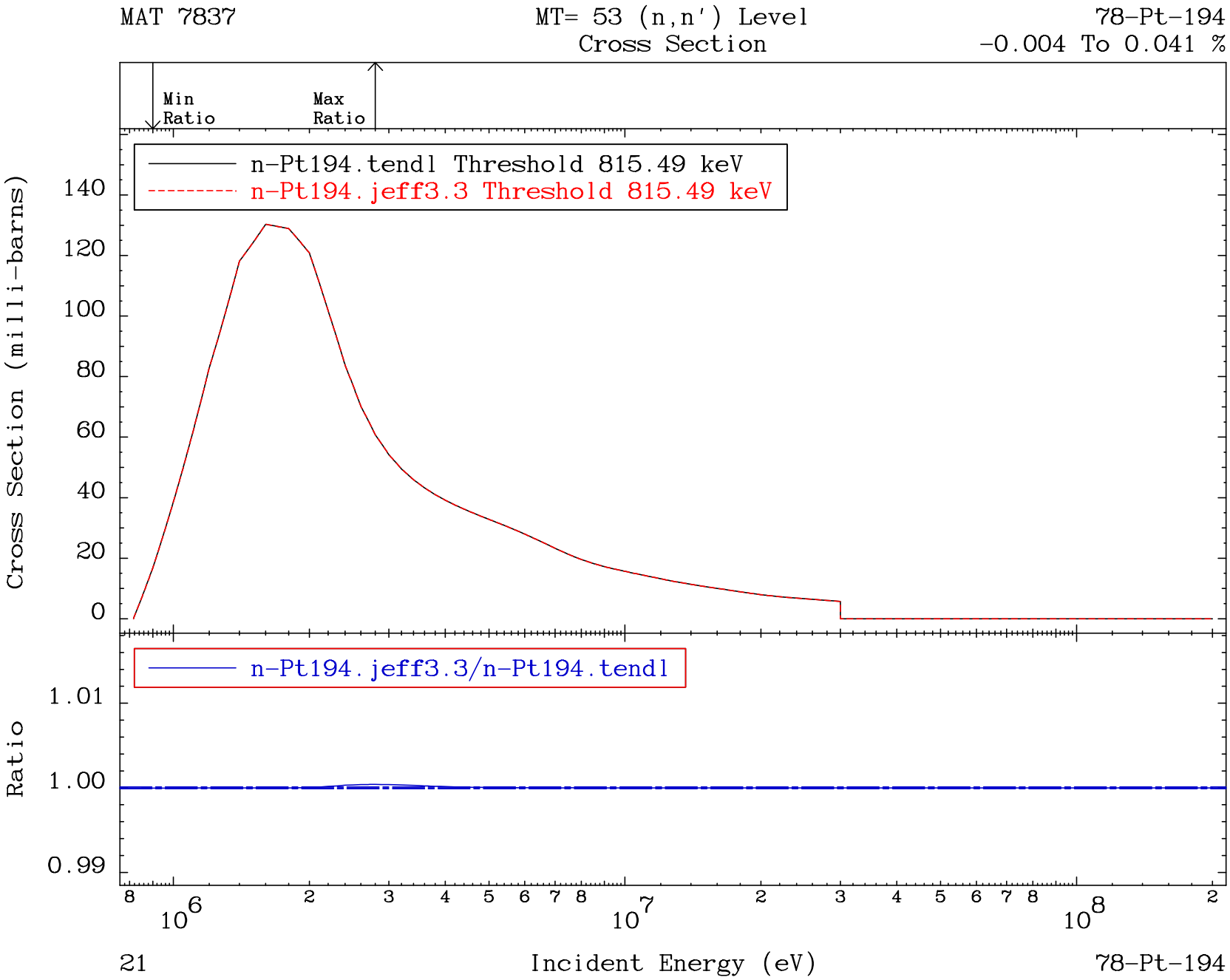

MAT 7837
(n,3n) p
Cross Section
78-Pt-194
-0.457 To 0.108 %
Max
Ratio
n-Pt194.tendl Threshold 21.595 MeV
n-Pt194.jeff3.3 Threshold 21.595 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
78-Pt-194

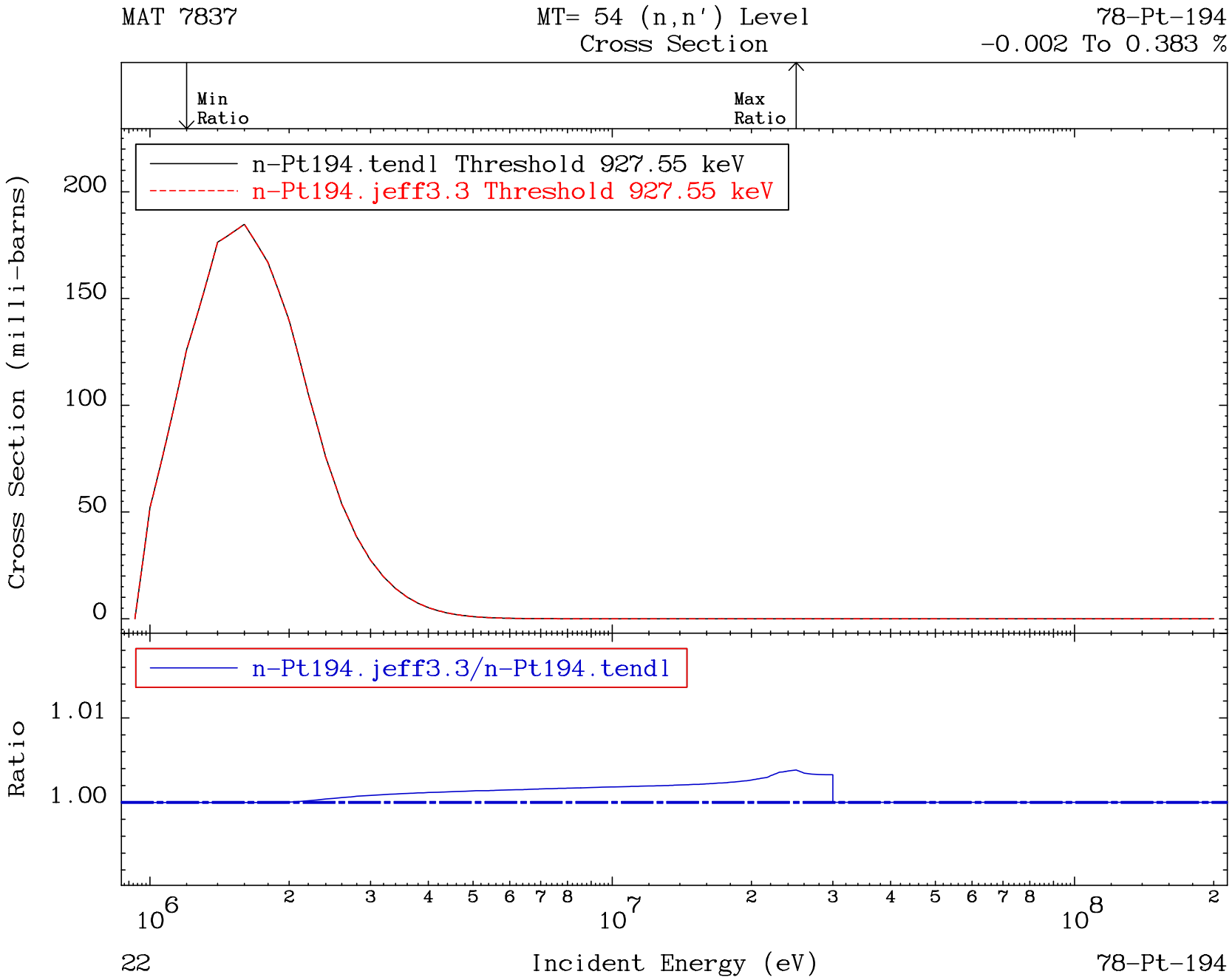

MAT 7837
(n,2n) p
Cross Section
78-Pt-194
-1.395 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.526 MeV
n-Pt194.jeff3.3 Threshold 13.526 MeV
Cross Section (10^{-9} barns)
120
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
78-Pt-194

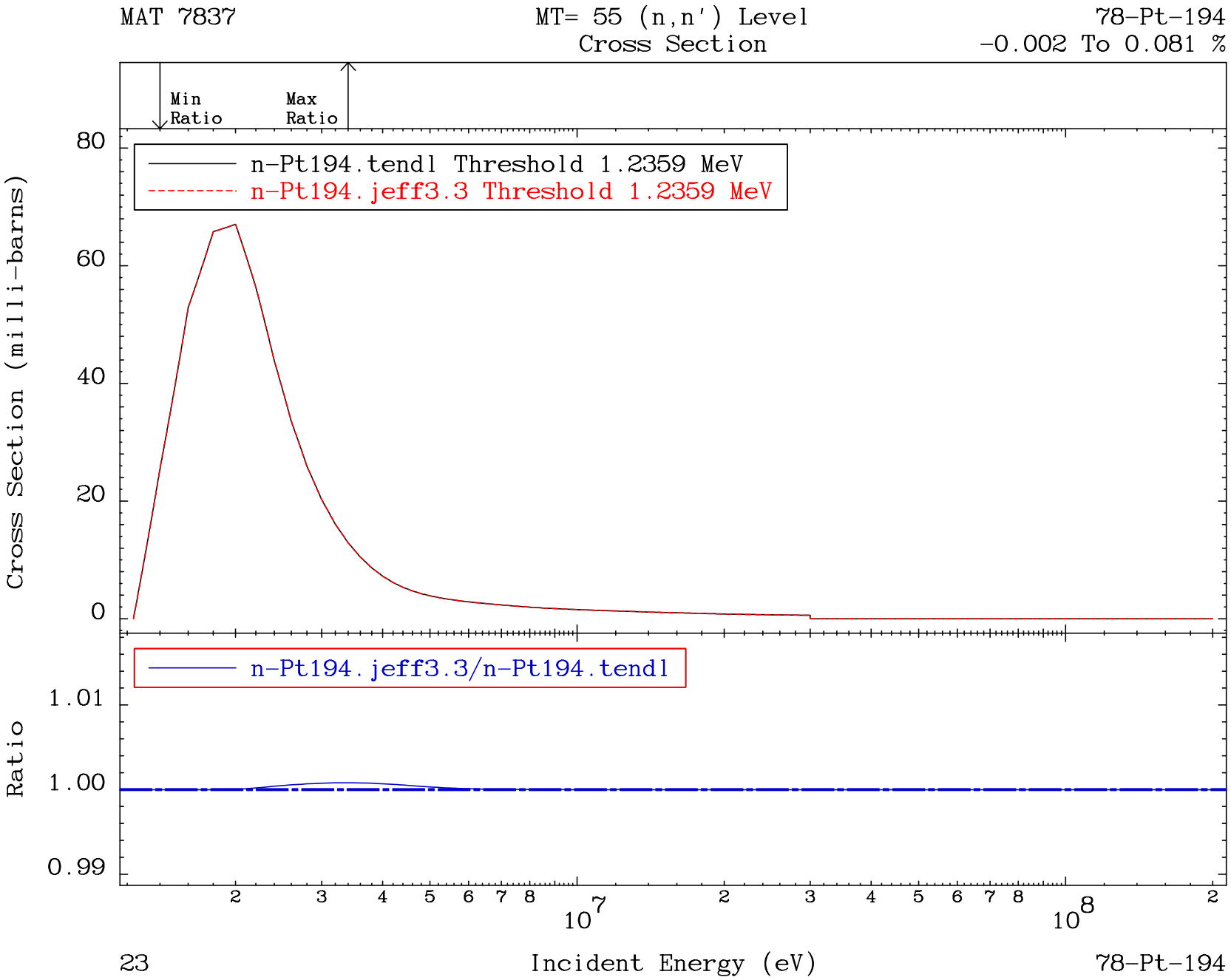

MAT 7837
(n,n') p α
Cross Section
78-Pt-194
0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 6.5287 MeV
n-Pt194.jeff3.3 Threshold 6.5295 MeV
Cross Section (10^-9 barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
18
78-Pt-194

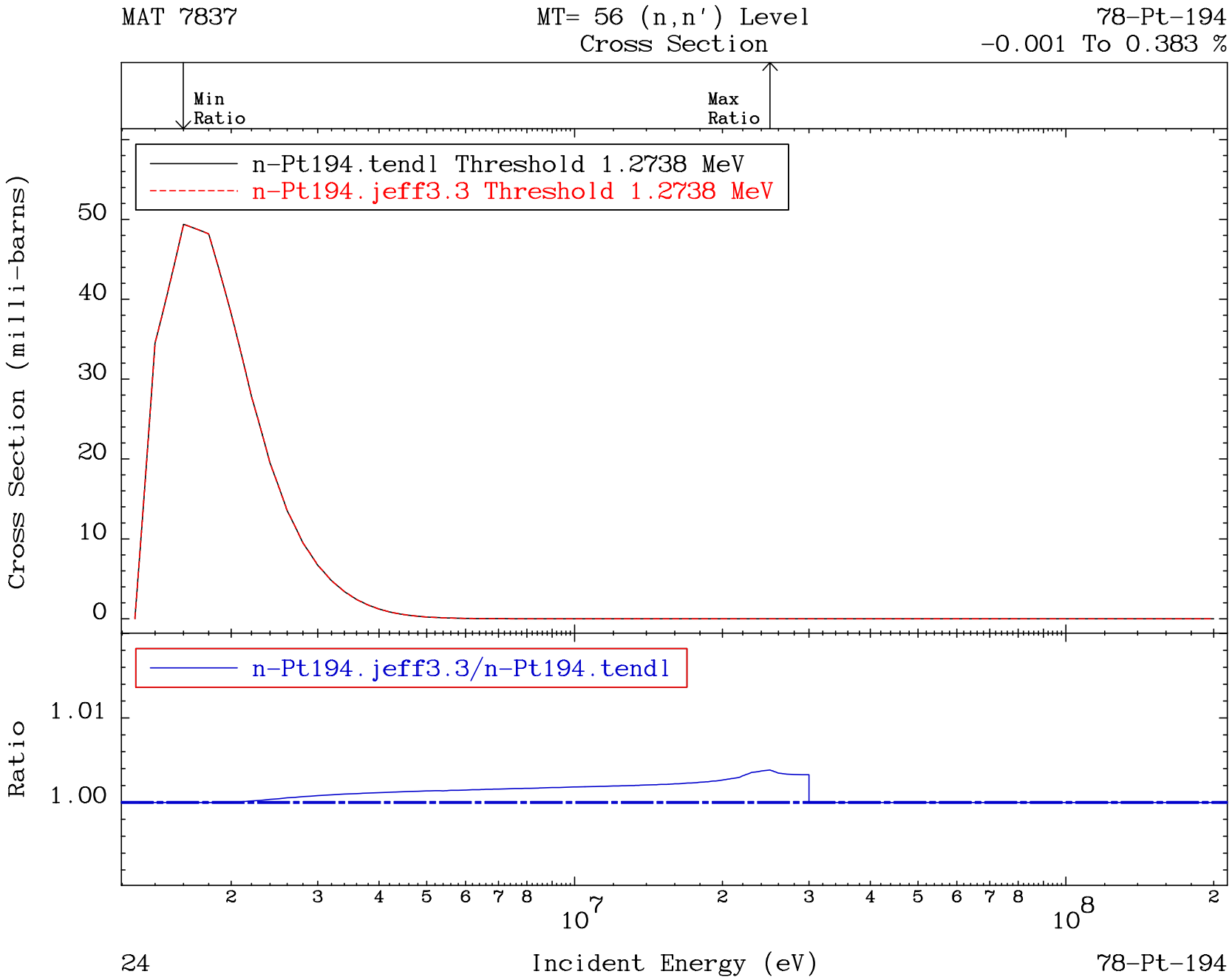

MAT 7837
MT= 51 (n,n') Level
Cross Section
78-Pt-194
-0.002 To 0.010 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 330.17 keV
n-Pt194.jeff3.3 Threshold 330.17 keV
Cross Section (milli-barns)
800
600
400
200
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
78-Pt-194

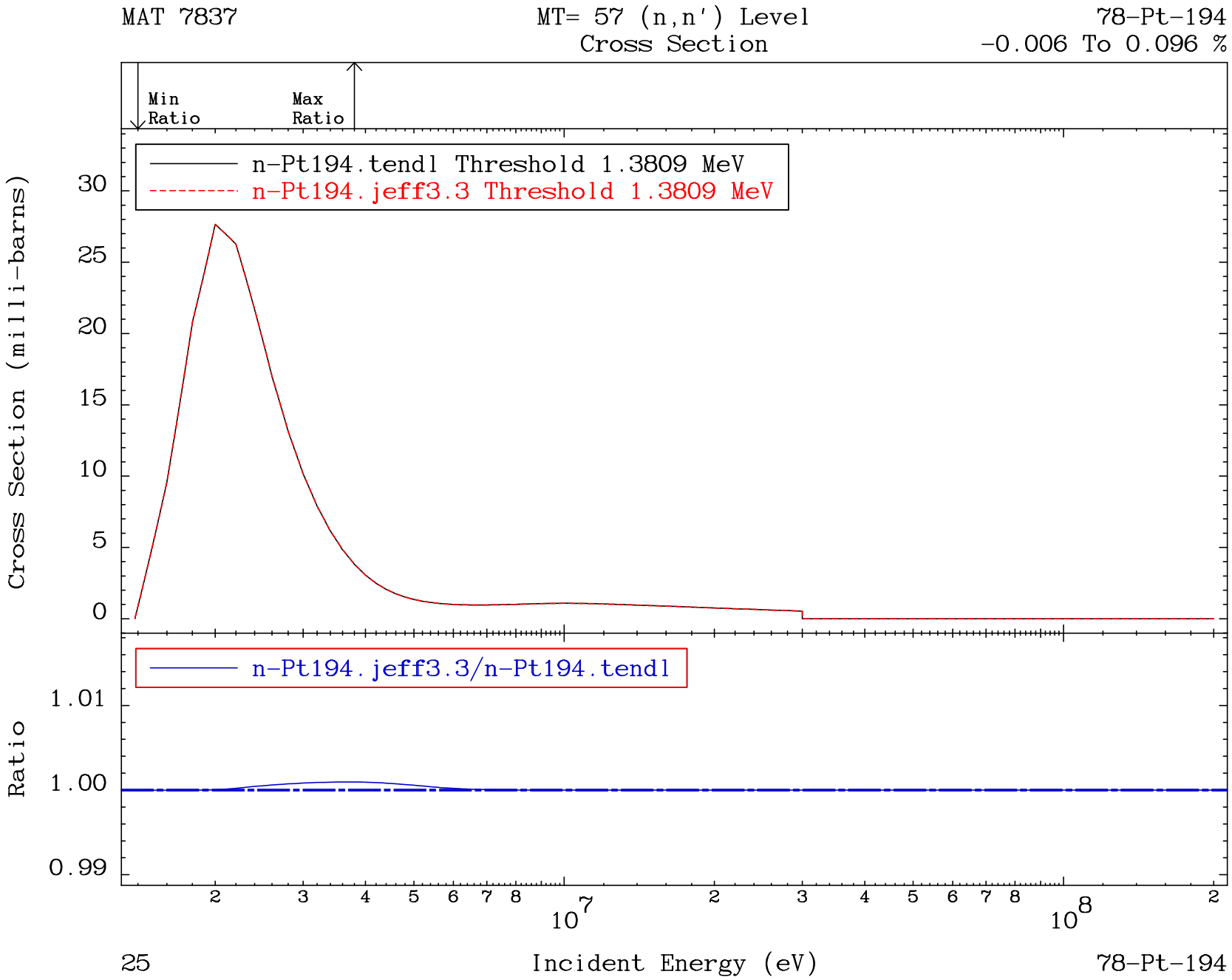

MAT 7837
MT= 52 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.071 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 625.24 keV
n-Pt194.jeff3.3 Threshold 625.24 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
78-Pt-194

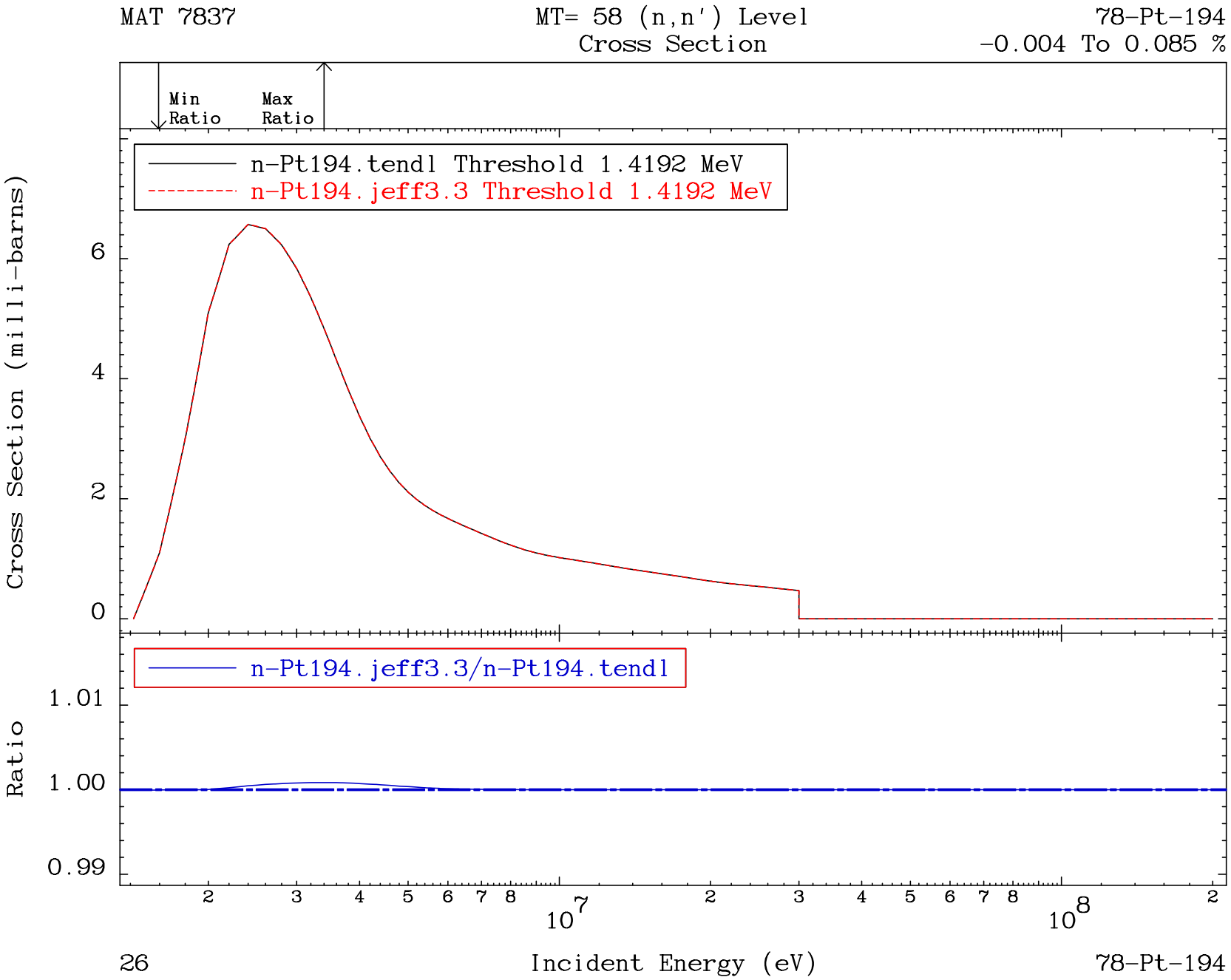

MAT 7837
MT= 53 (n,n') Level
Cross Section
78-Pt-194
-0.004 To 0.041 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 815.49 keV
n-Pt194.jeff3.3 Threshold 815.49 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
78-Pt-194

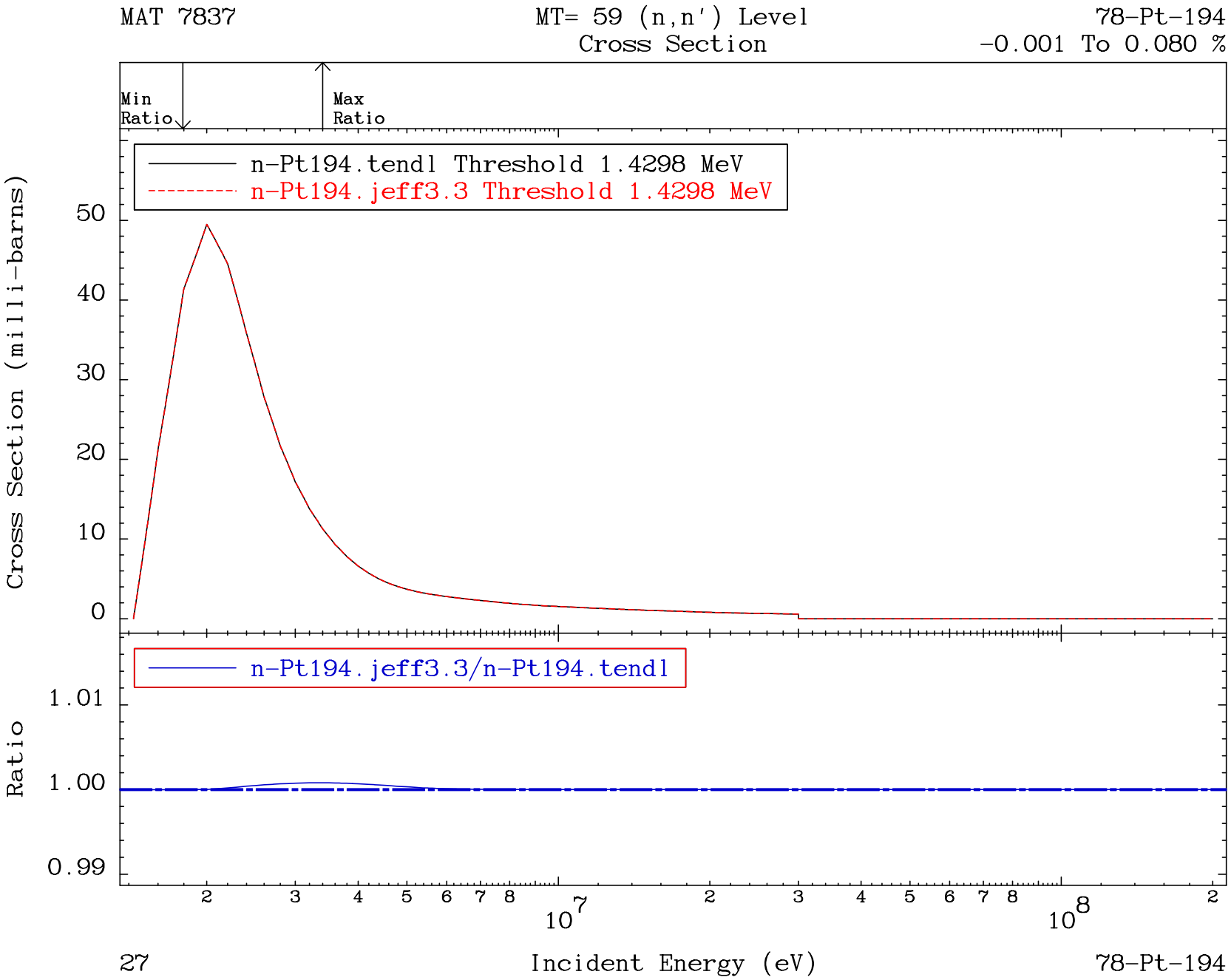

MAT 7837
MT= 54 (n,n') Level
Cross Section
78-Pt-194
-0.002 To 0.383 %
Min
Ratio
Max
Ratio
n-Pt194.tendl Threshold 927.55 keV
n-Pt194.jeff3.3 Threshold 927.55 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
78-Pt-194

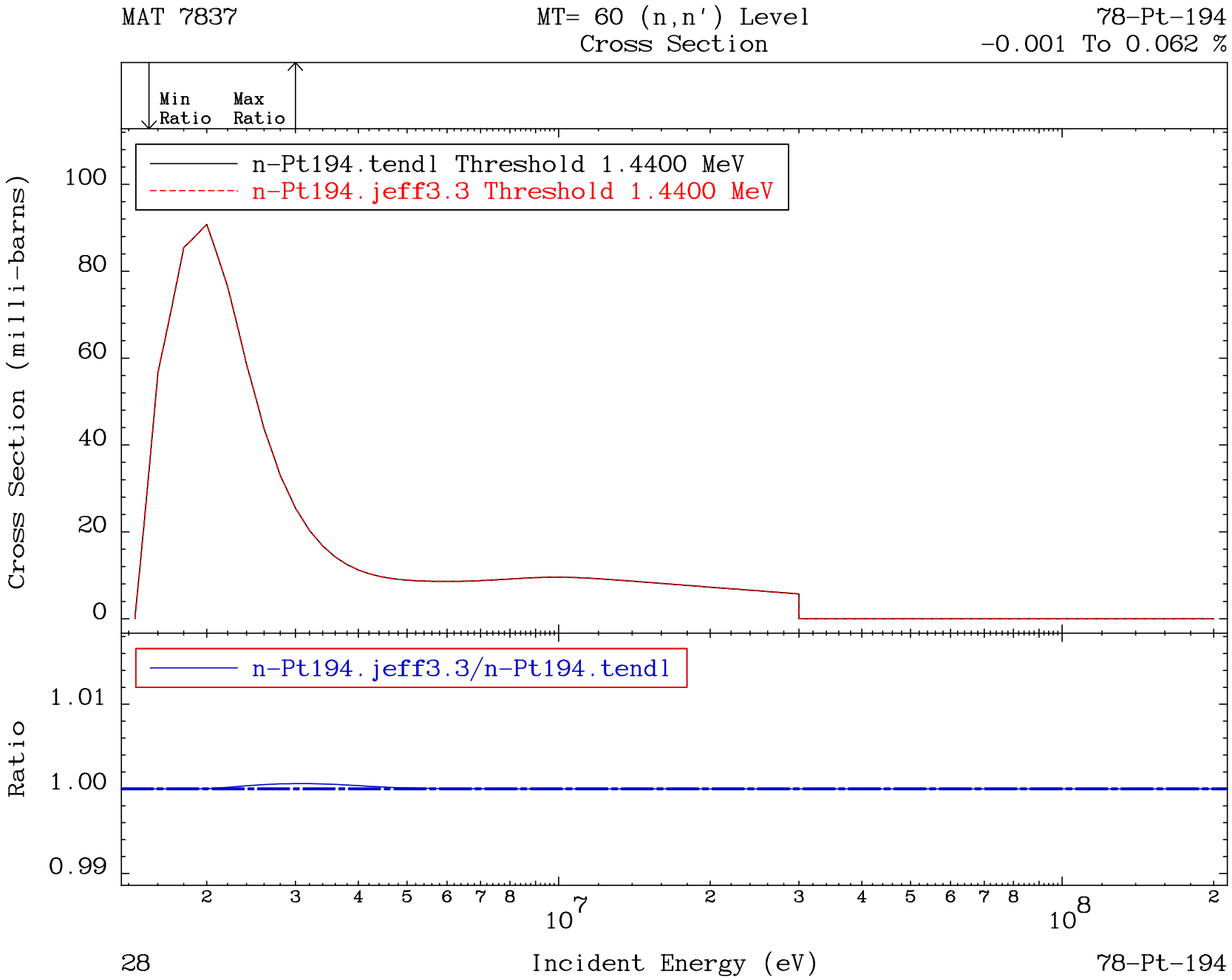

MAT 7837
MT= 55 (n,n') Level
Cross Section
78-Pt-194
-0.002 To 0.081 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.2359 MeV
n-Pt194.jeff3.3 Threshold 1.2359 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
78-Pt-194

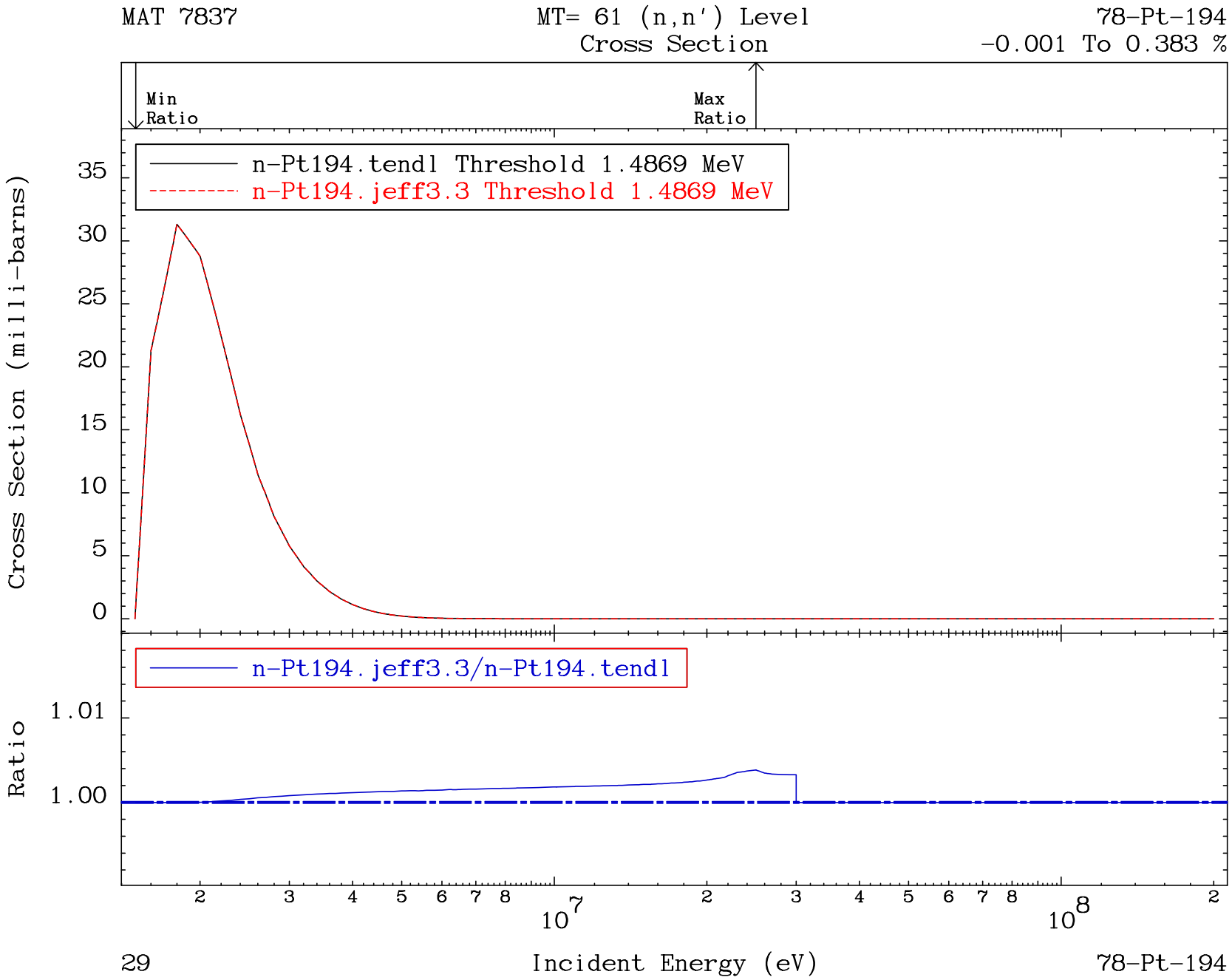

MAT 7837
MT= 56 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.2738 MeV
n-Pt194.jeff3.3 Threshold 1.2738 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
78-Pt-194

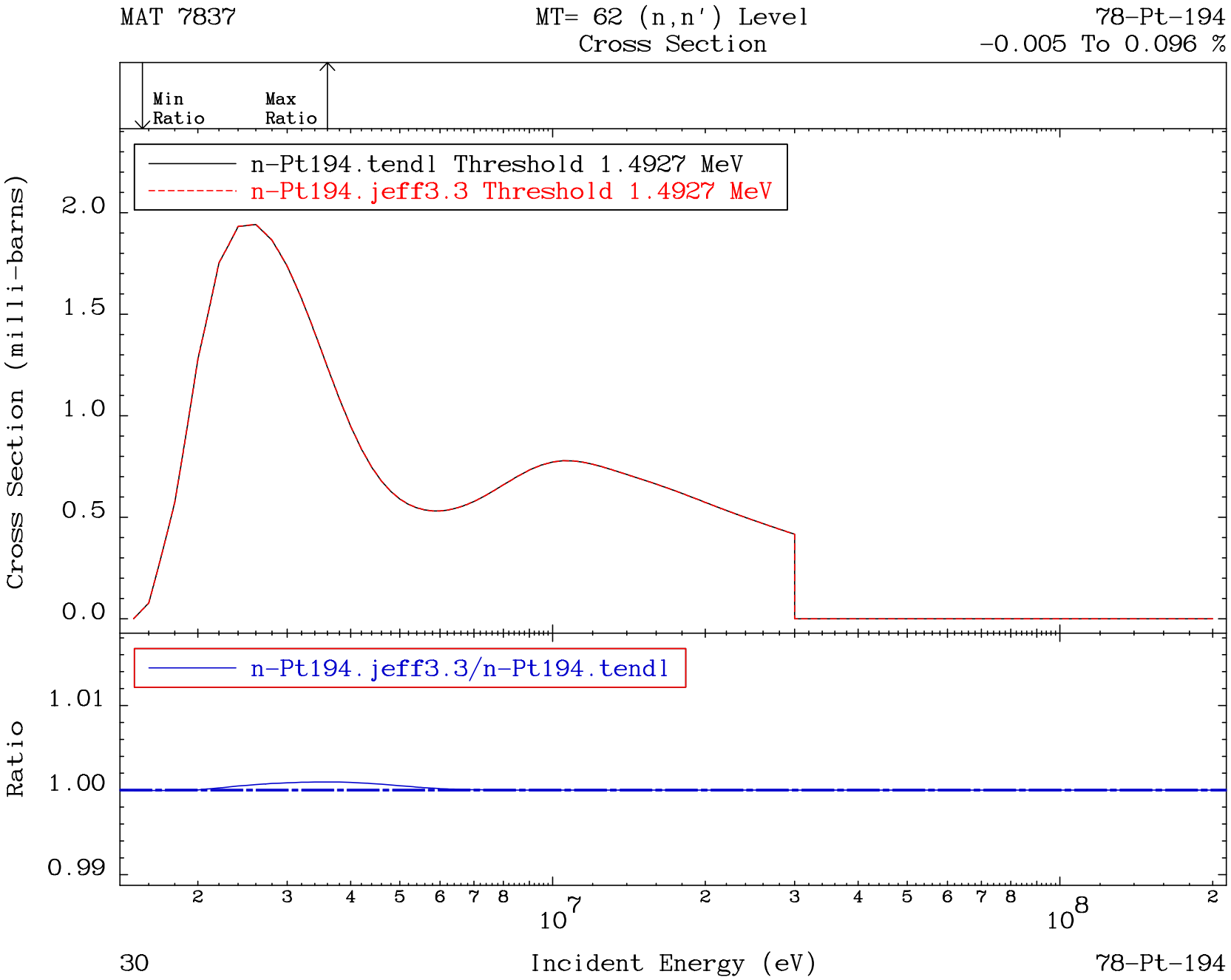

MAT 7837
MT= 57 (n,n') Level
Cross Section
78-Pt-194
-0.006 To 0.096 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.3809 MeV
n-Pt194.jeff3.3 Threshold 1.3809 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
78-Pt-194

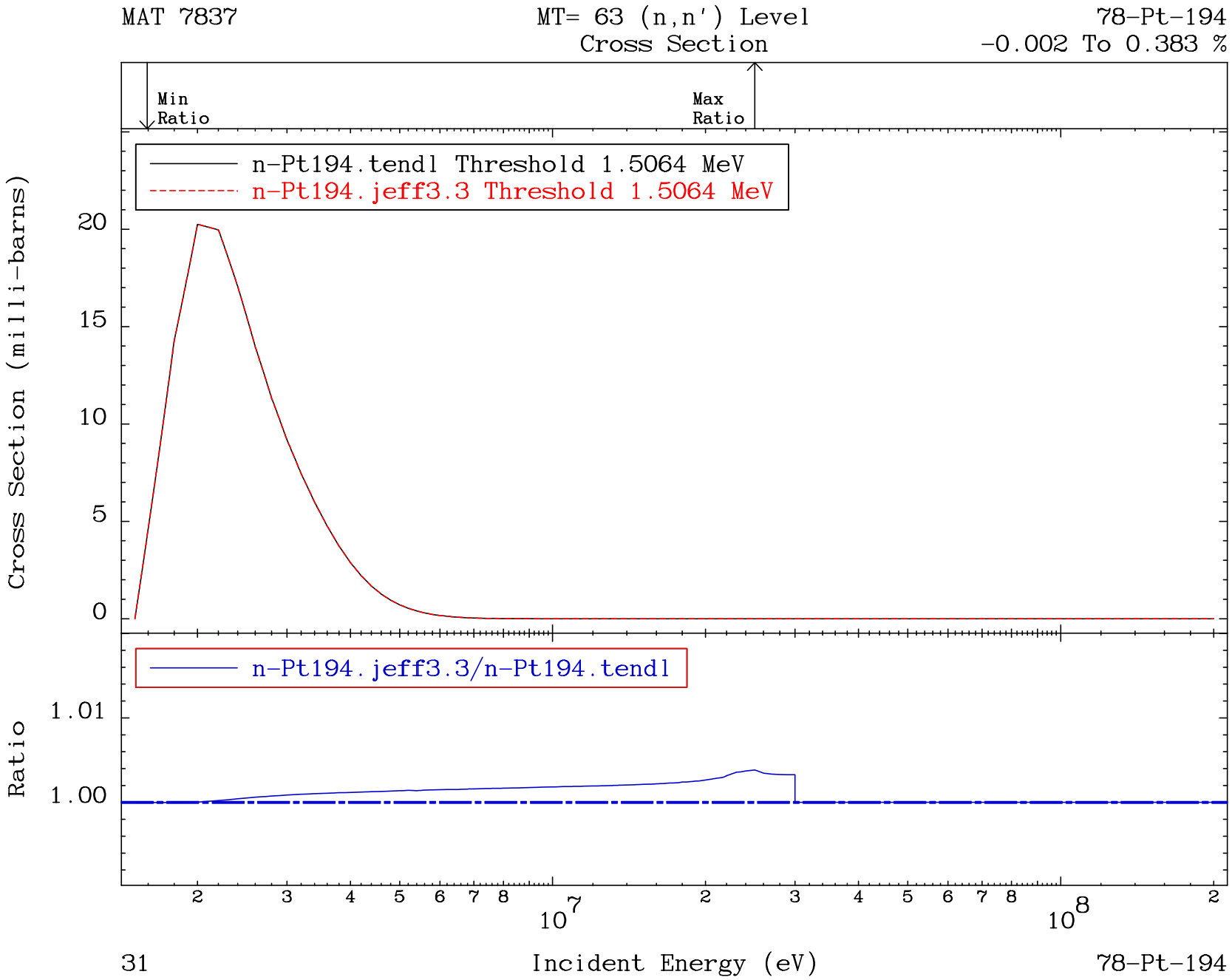

MAT 7837
MT= 58 (n,n') Level
Cross Section
78-Pt-194
-0.004 To 0.085 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4192 MeV
n-Pt194.jeff3.3 Threshold 1.4192 MeV
Cross Section (milli-barns)
0
2
4
6
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
0.99
1.00
1.01
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
78-Pt-194

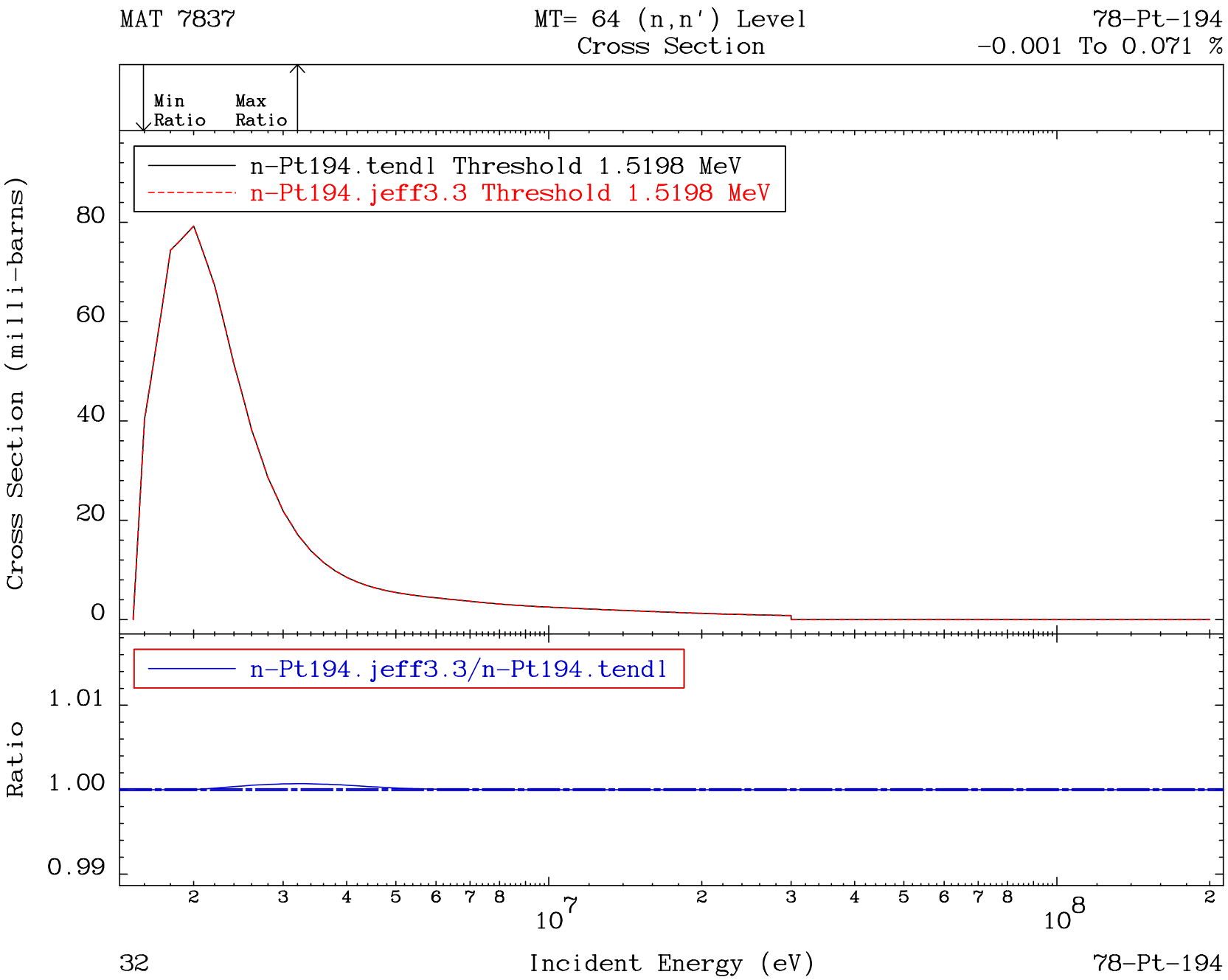

MAT 7837
MT= 59 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.080 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4298 MeV
n-Pt194.jeff3.3 Threshold 1.4298 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
78-Pt-194

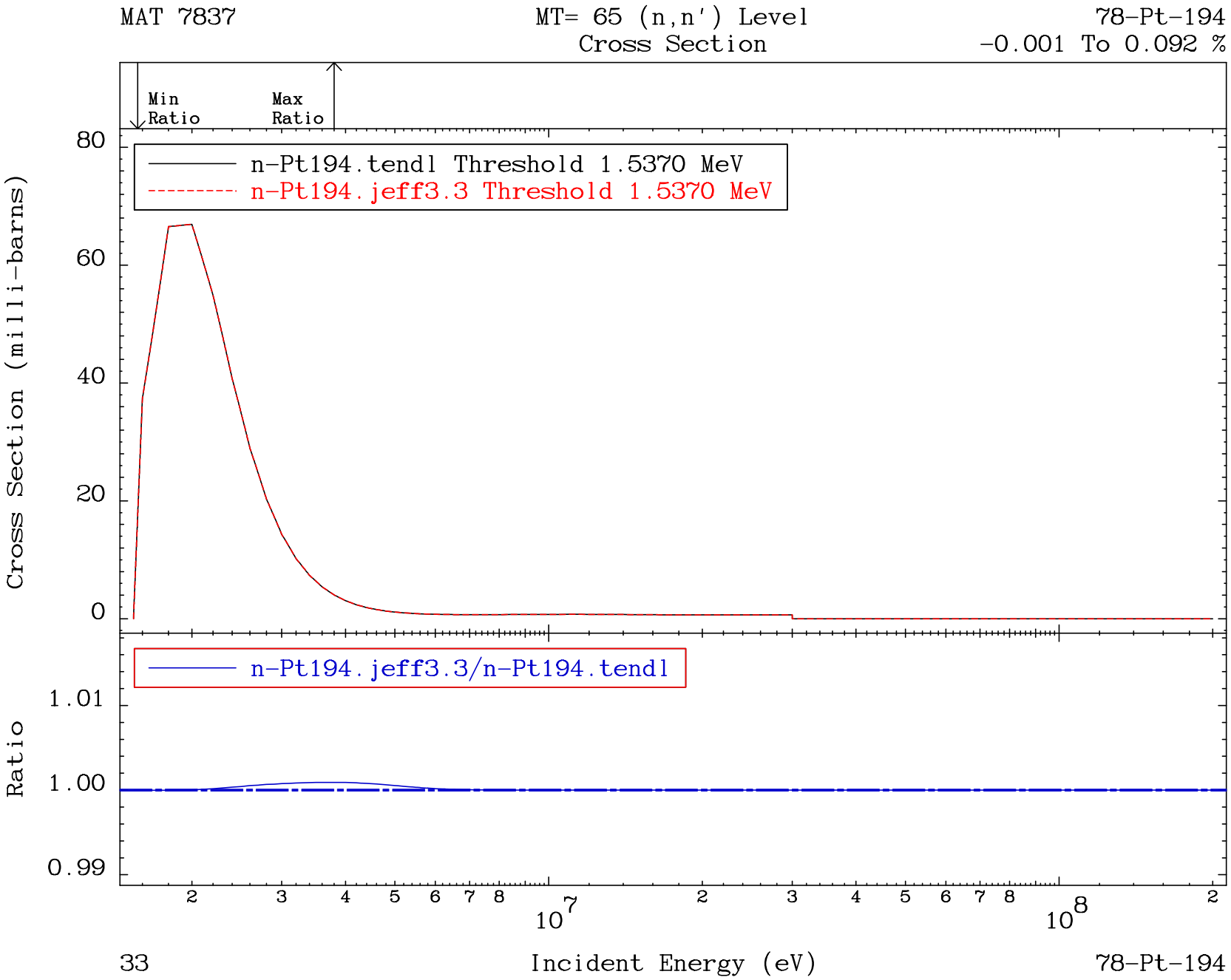

MAT 7837
MT= 60 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.062 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4400 MeV
n-Pt194.jeff3.3 Threshold 1.4400 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
78-Pt-194

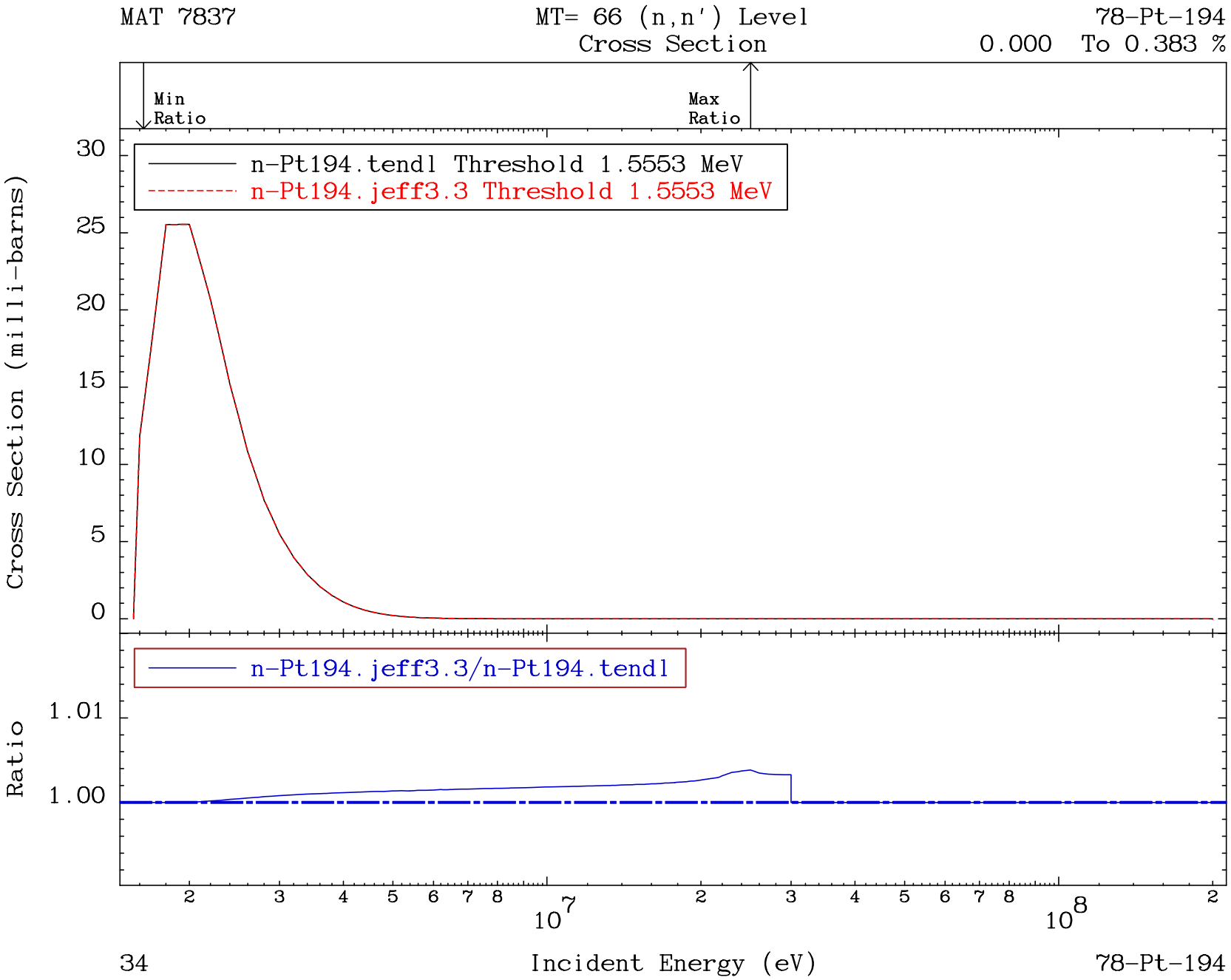

MAT 7837
MT= 61 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4869 MeV
n-Pt194.jeff3.3 Threshold 1.4869 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
78-Pt-194

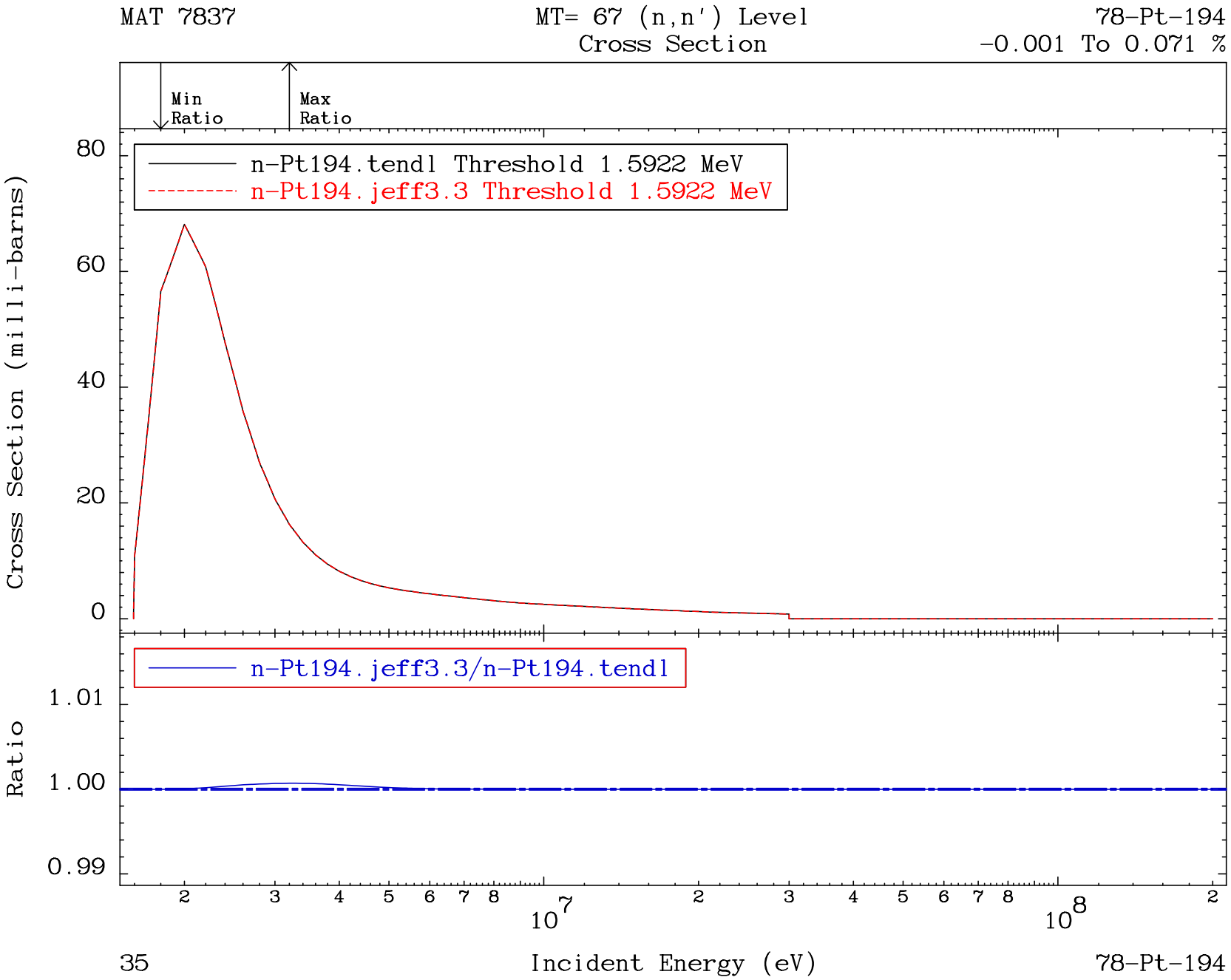

MAT 7837
MT= 62 (n,n') Level
Cross Section
78-Pt-194
-0.005 To 0.096 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4927 MeV
n-Pt194.jeff3.3 Threshold 1.4927 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
78-Pt-194

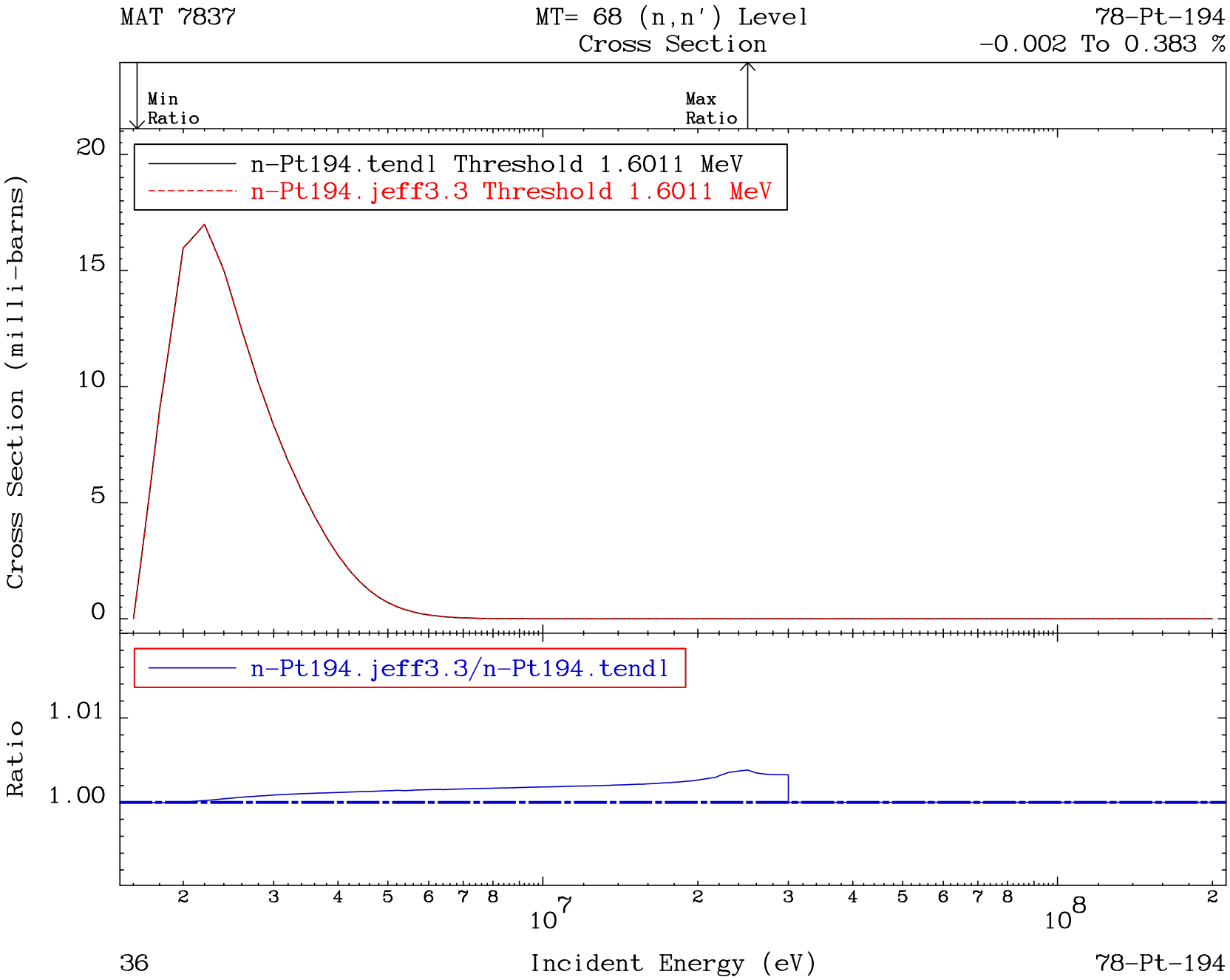

MAT 7837
MT= 63 (n,n') Level
Cross Section
78-Pt-194
-0.002 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.5064 MeV
n-Pt194.jeff3.3 Threshold 1.5064 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
78-Pt-194

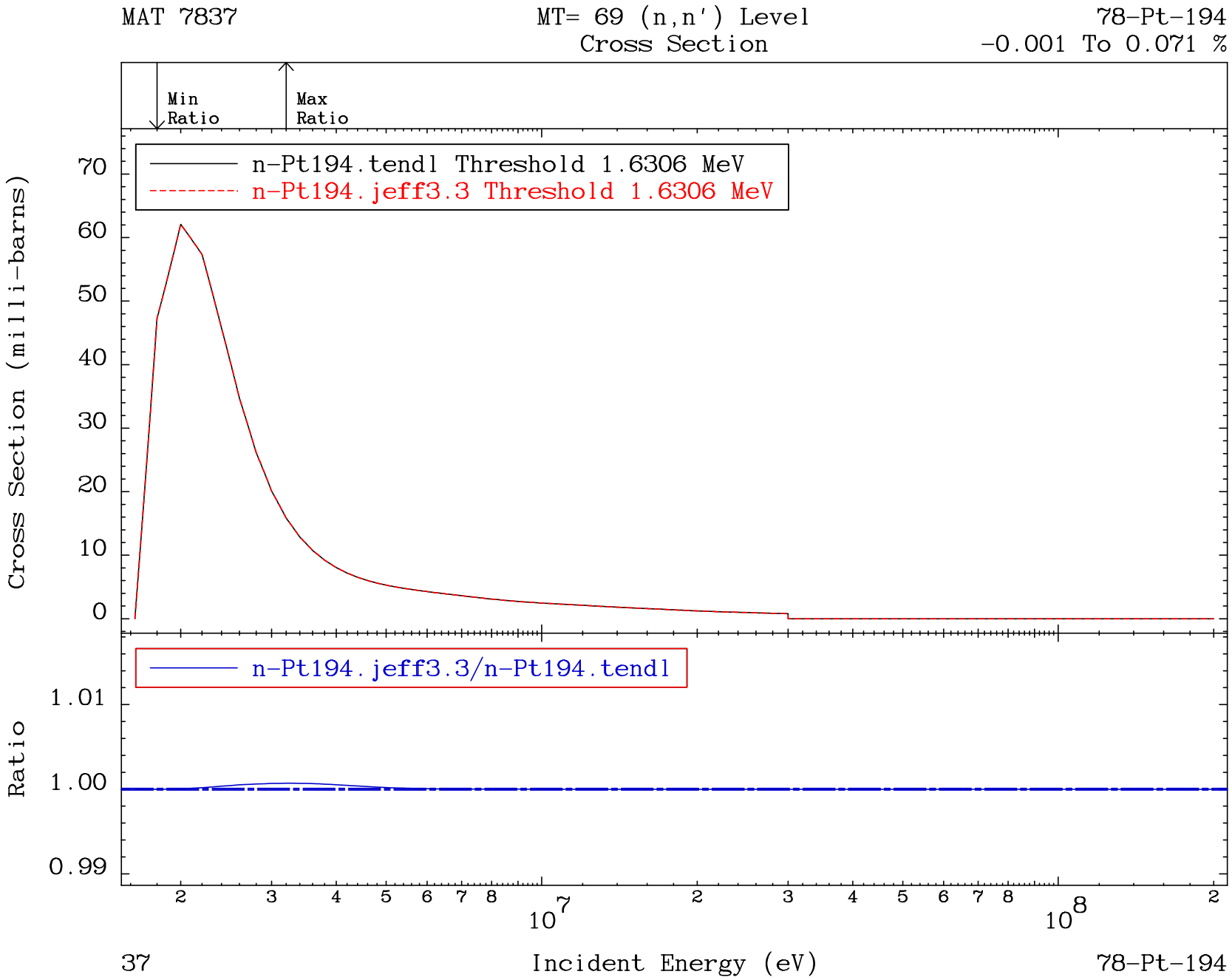

MAT 7837
MT= 64 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.071 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.5198 MeV
n-Pt194.jeff3.3 Threshold 1.5198 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
78-Pt-194

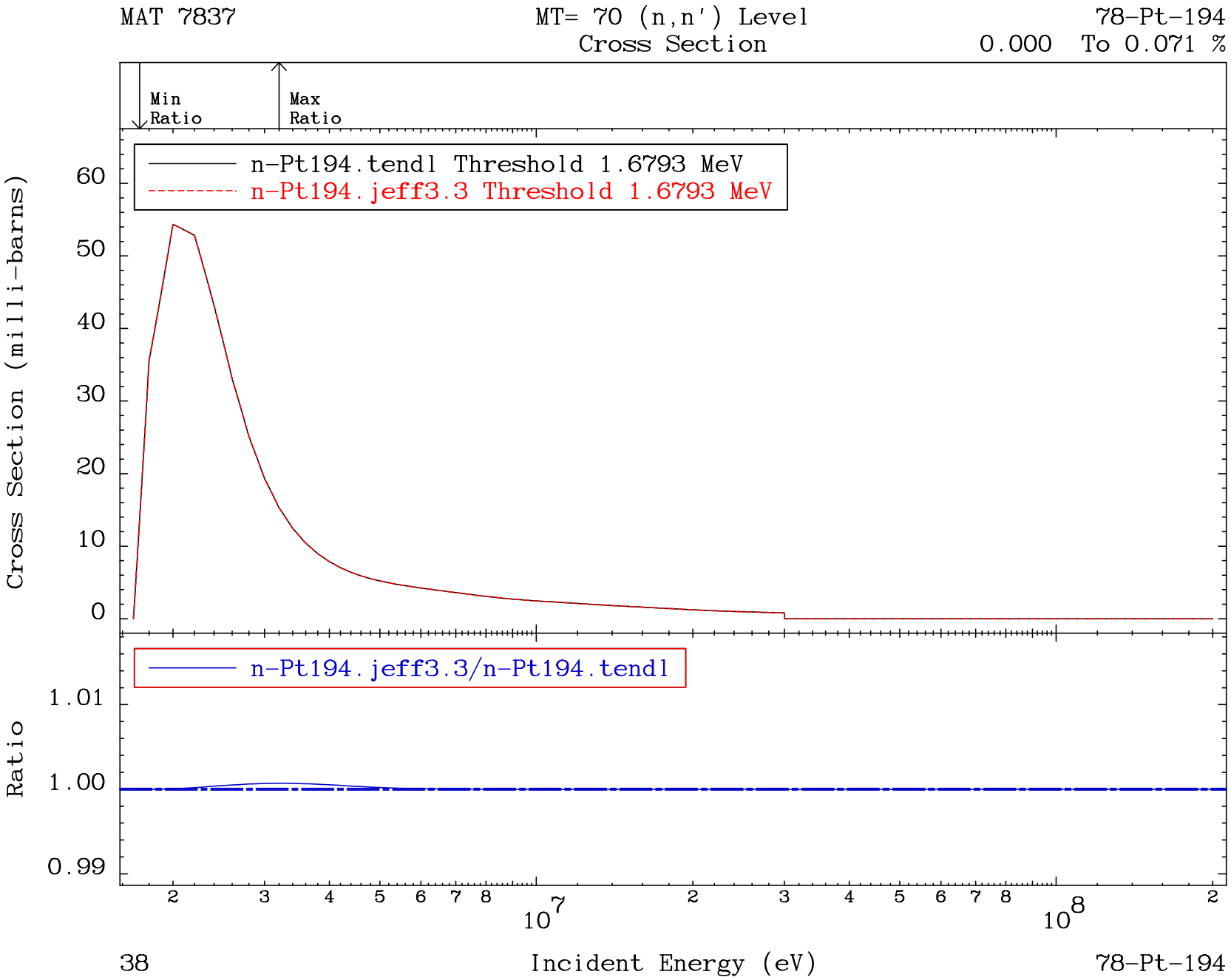

MAT 7837
MT= 65 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.092 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.5370 MeV
n-Pt194.jeff3.3 Threshold 1.5370 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
78-Pt-194

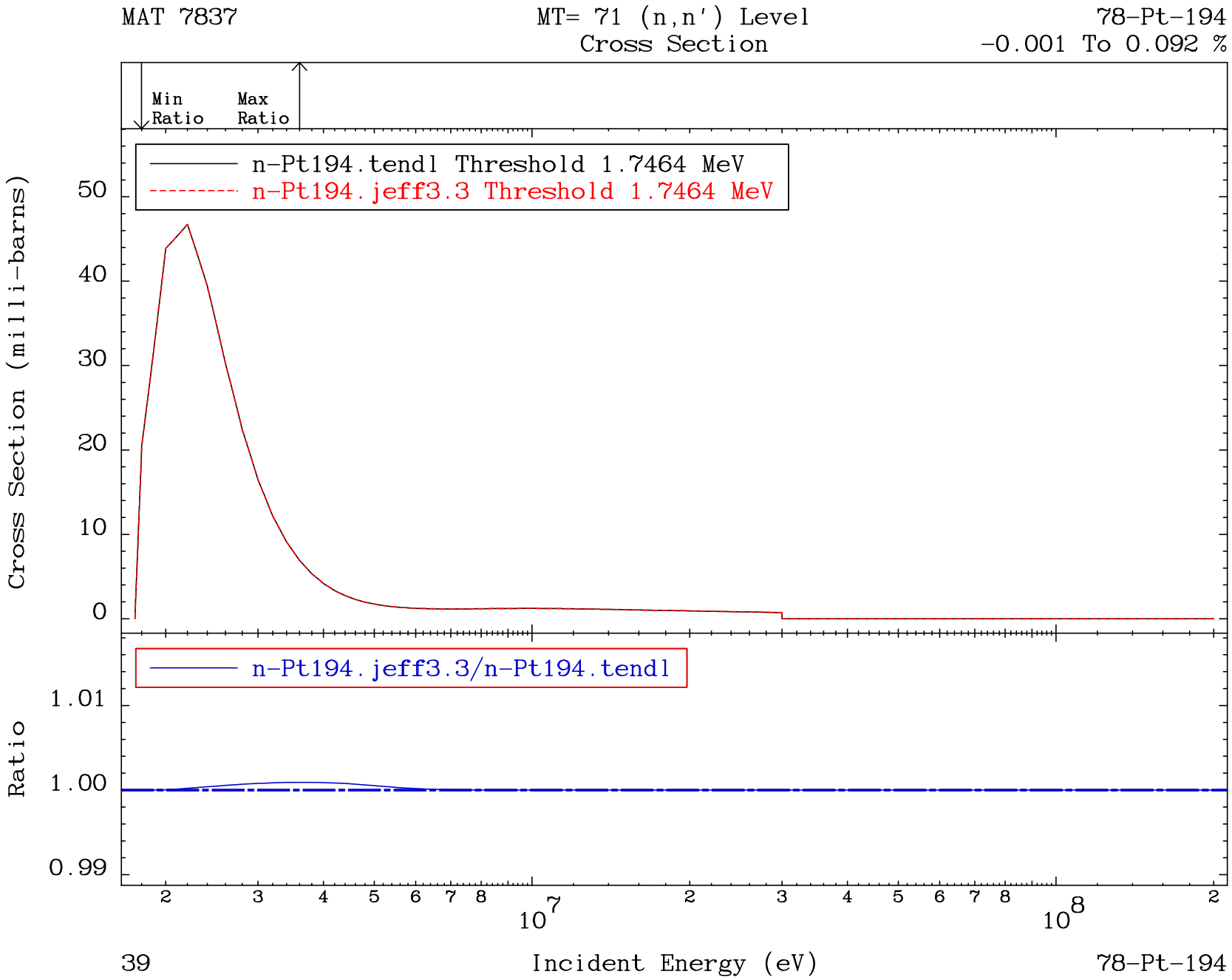

MAT 7837
MT= 66 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.5553 MeV
n-Pt194.jeff3.3 Threshold 1.5553 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
78-Pt-194

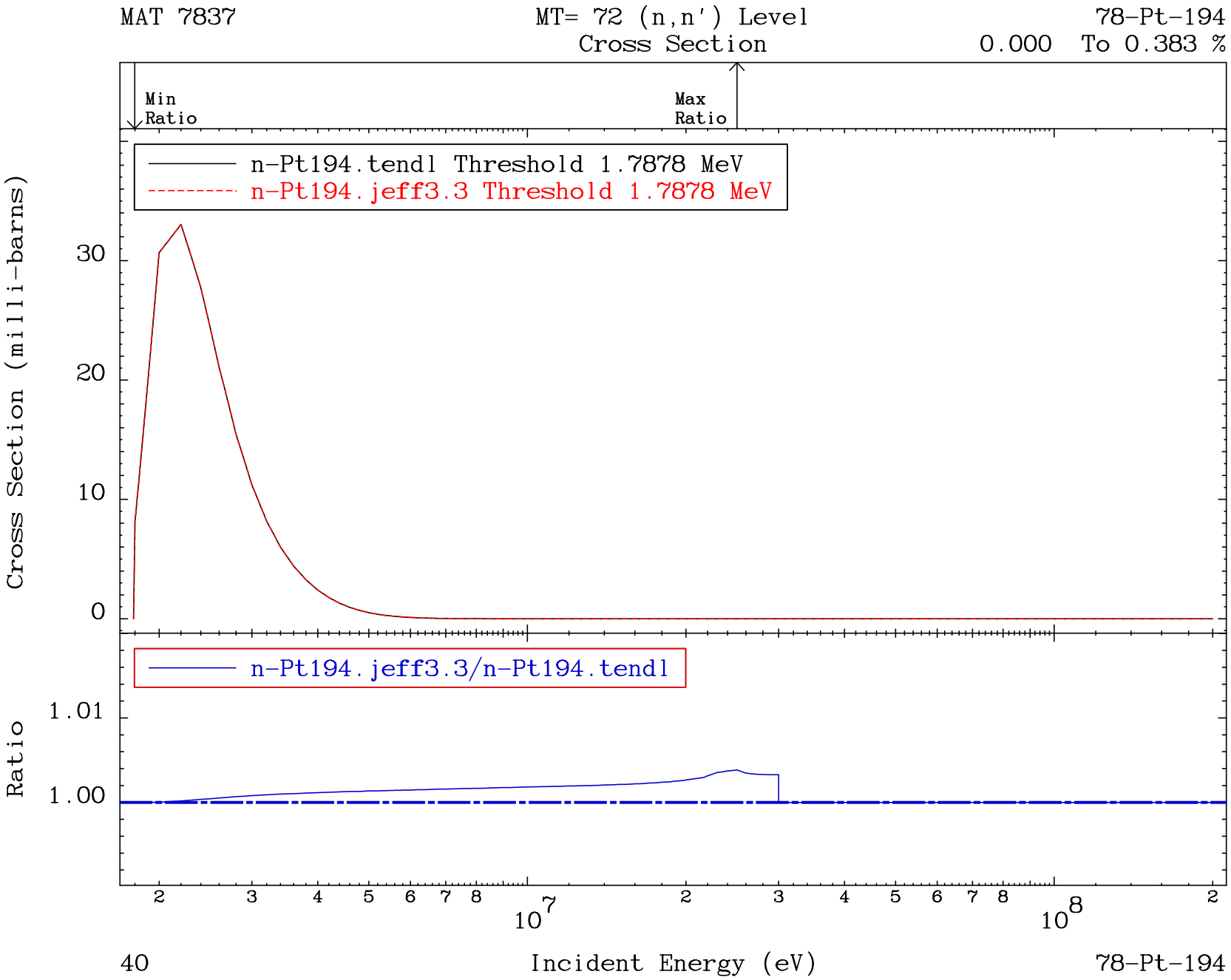

MAT 7837
MT= 67 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.071 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.5922 MeV
n-Pt194.jeff3.3 Threshold 1.5922 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
78-Pt-194

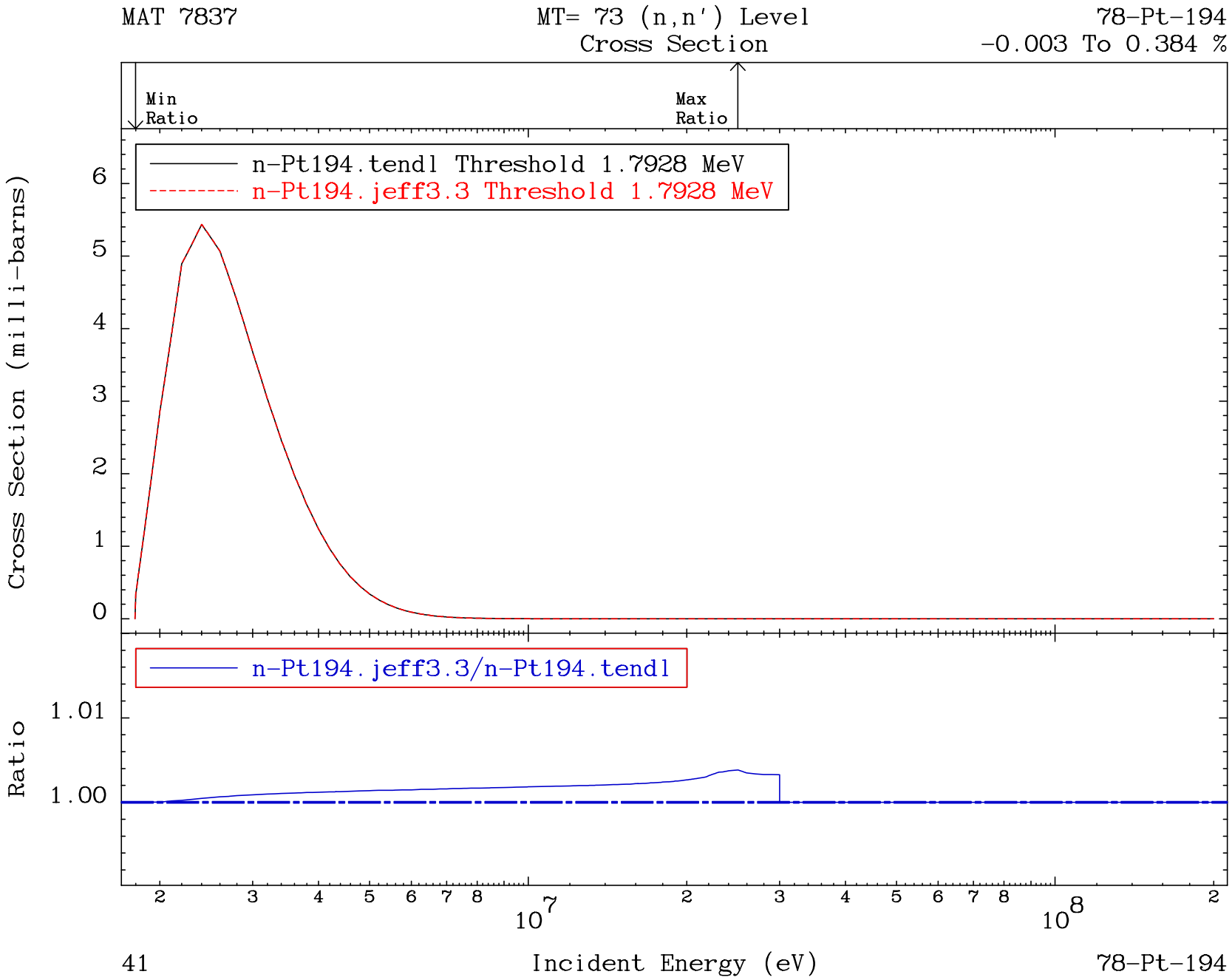

MAT 7837
MT= 68 (n,n') Level
Cross Section
78-Pt-194
-0.002 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.6011 MeV
n-Pt194.jeff3.3 Threshold 1.6011 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
78-Pt-194

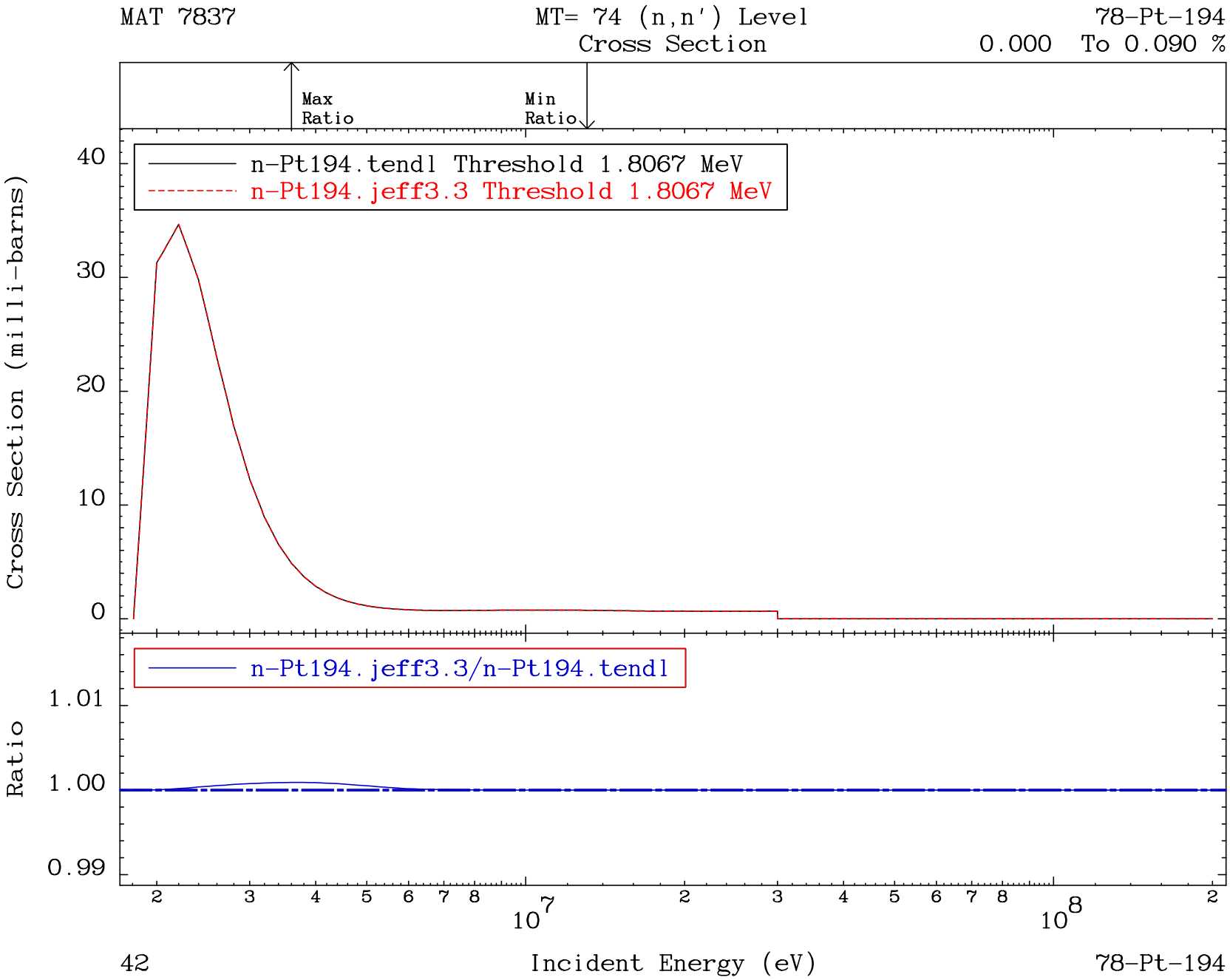

MAT 7837
MT= 69 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.071 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.6306 MeV
n-Pt194.jeff3.3 Threshold 1.6306 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
78-Pt-194

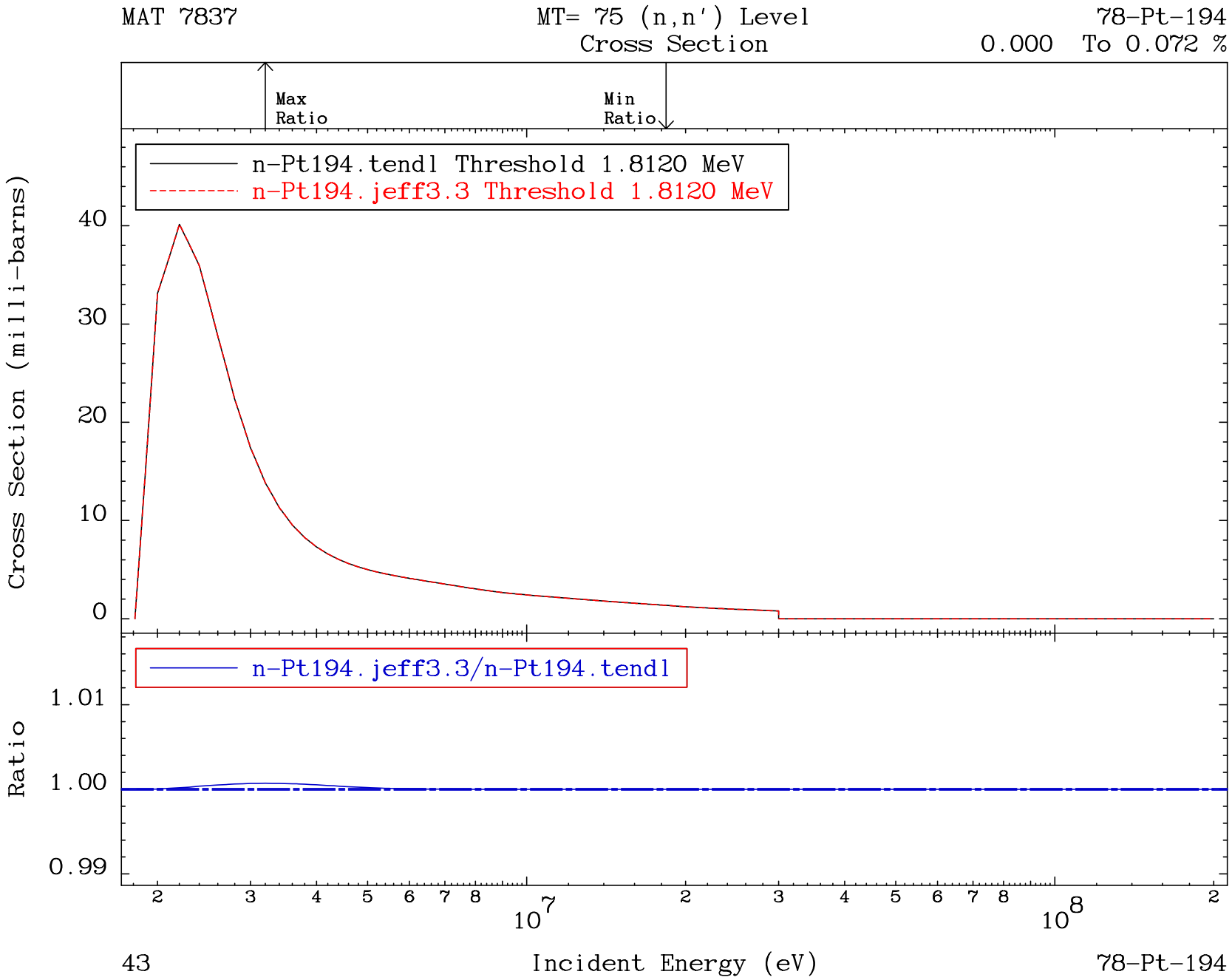

MAT 7837
MT= 70 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.071 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.6793 MeV
n-Pt194.jeff3.3 Threshold 1.6793 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
78-Pt-194

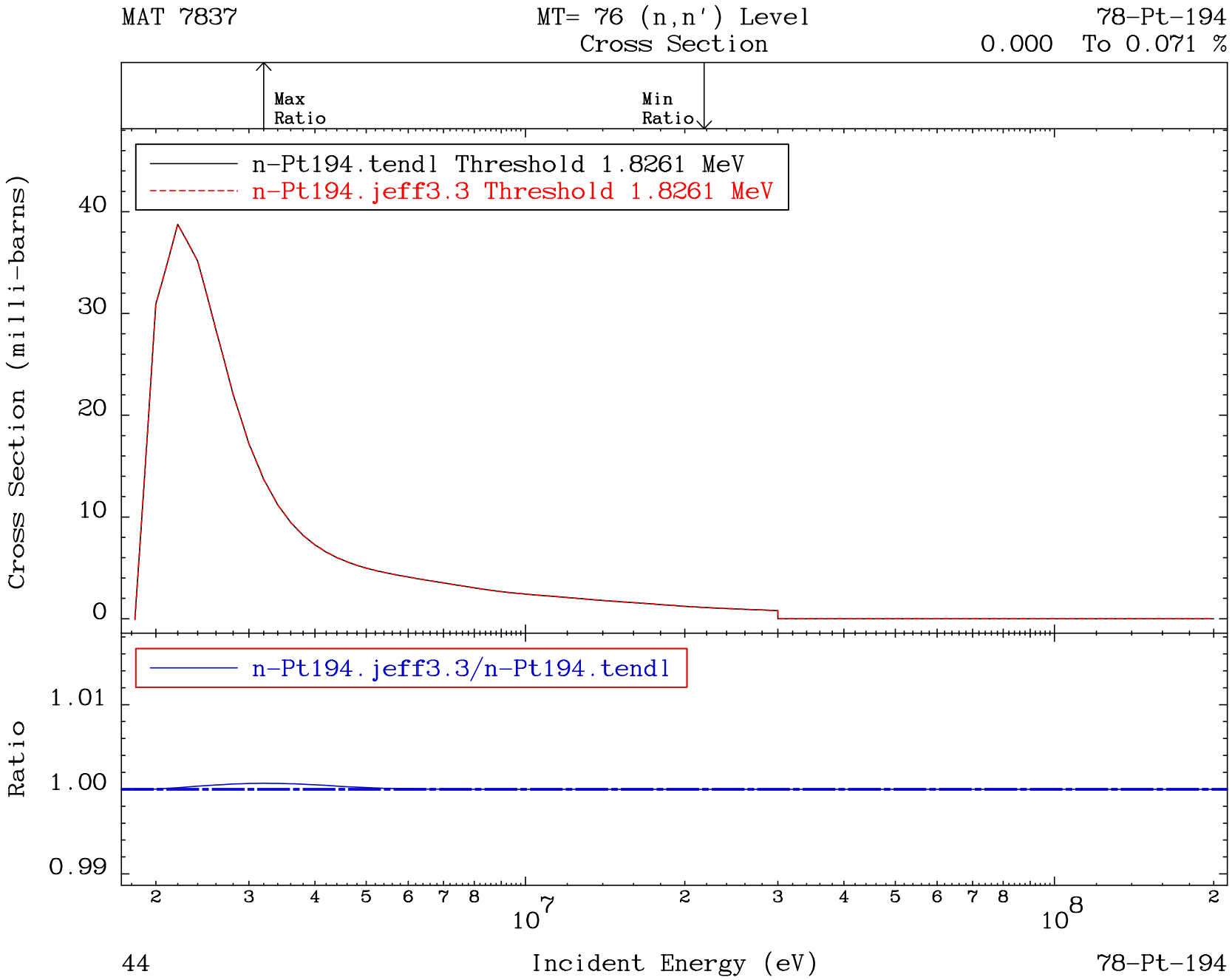

MAT 7837
MT= 71 (n,n') Level
Cross Section
78-Pt-194
-0.001 To 0.092 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.7464 MeV
n-Pt194.jeff3.3 Threshold 1.7464 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
78-Pt-194

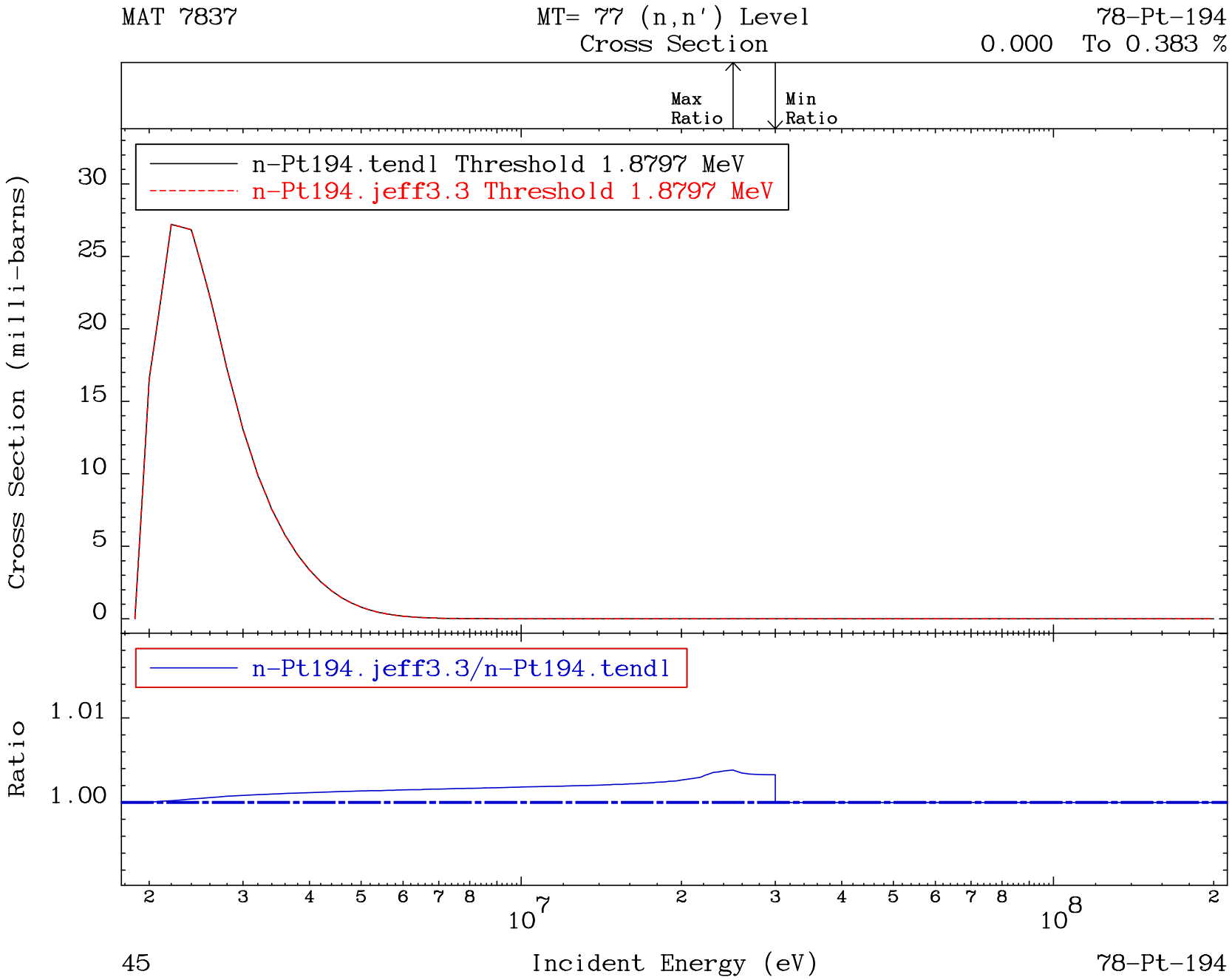

MAT 7837
MT= 72 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.383 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.7878 MeV
n-Pt194.jeff3.3 Threshold 1.7878 MeV
Cross Section (milli-barns)
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
78-Pt-194

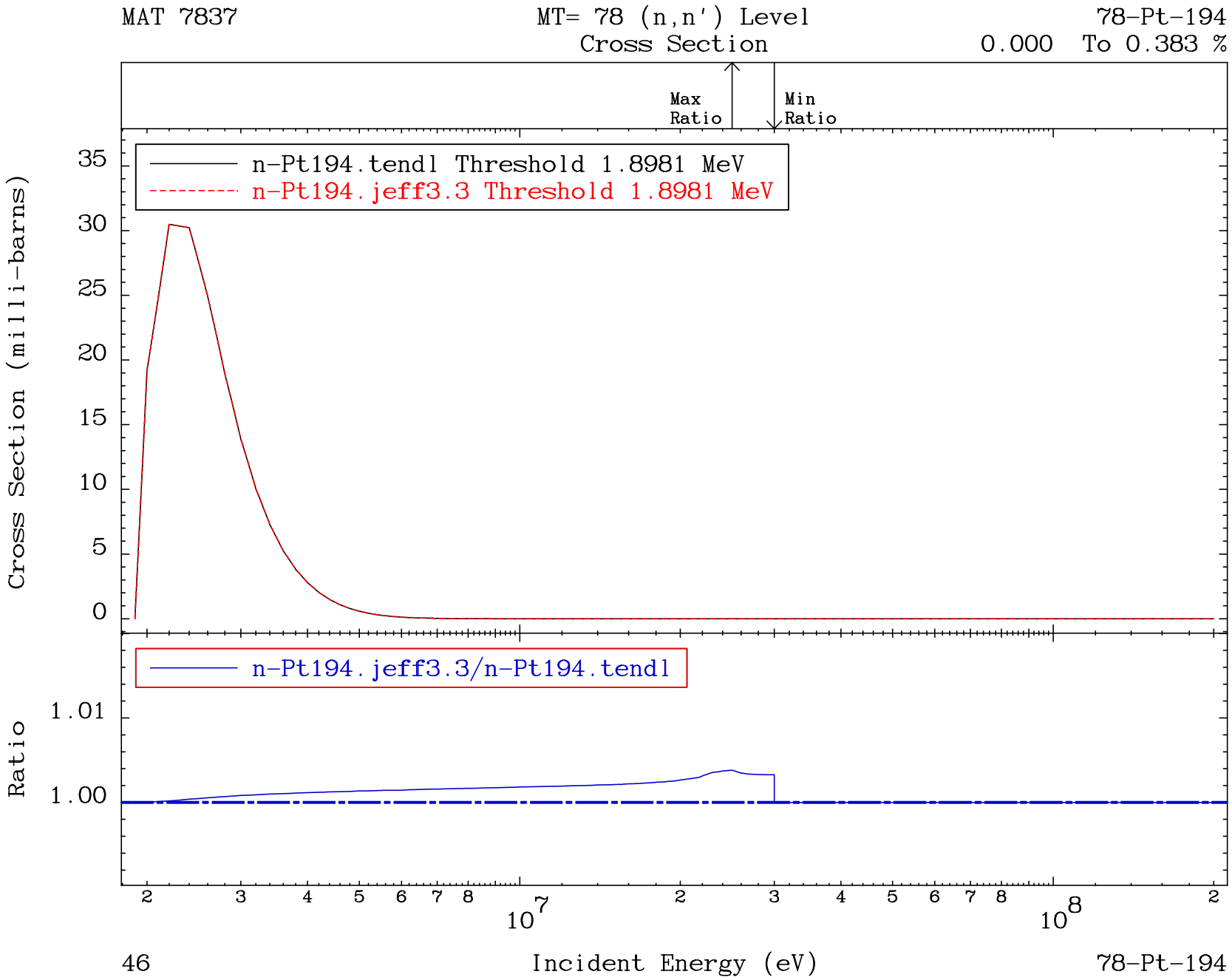

MAT 7837
MT= 73 (n,n') Level
Cross Section
78-Pt-194
-0.003 To 0.384 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.7928 MeV
n-Pt194.jeff3.3 Threshold 1.7928 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
1.01
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
41
Incident Energy (eV)
78-Pt-194

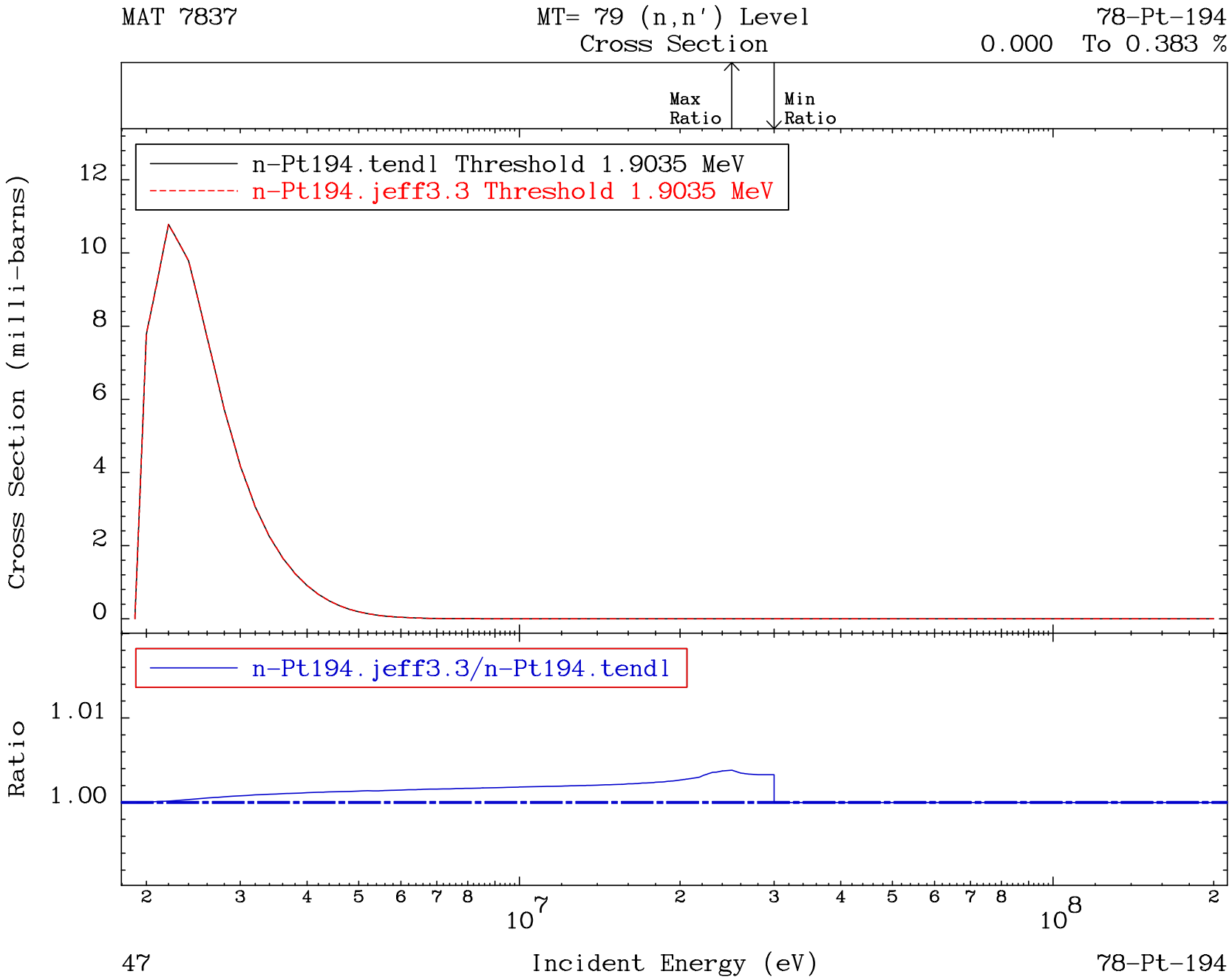

MAT 7837
MT= 74 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.090 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.8067 MeV
n-Pt194.jeff3.3 Threshold 1.8067 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
78-Pt-194

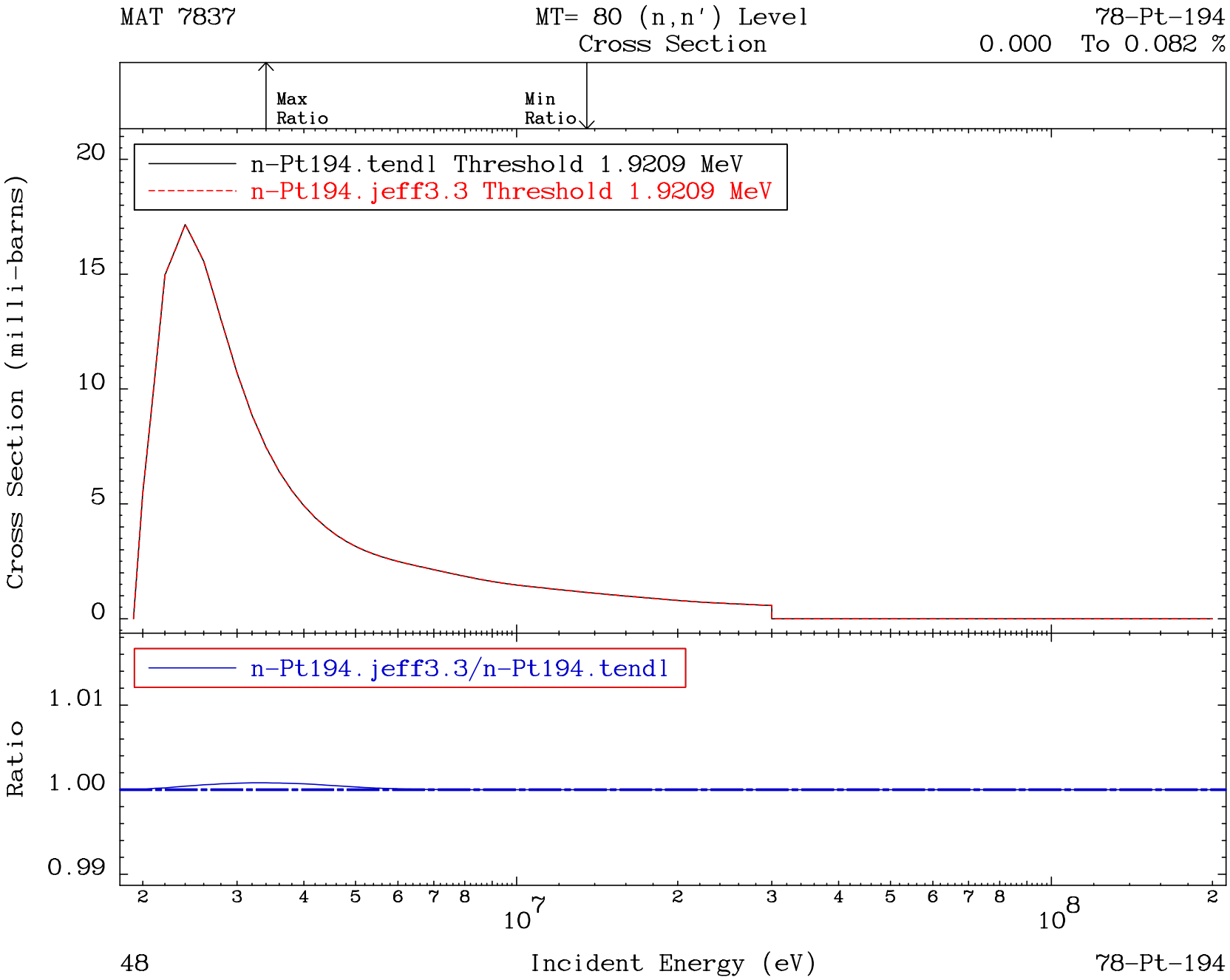

MAT 7837
MT= 75 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.072 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.8120 MeV
n-Pt194.jeff3.3 Threshold 1.8120 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
78-Pt-194

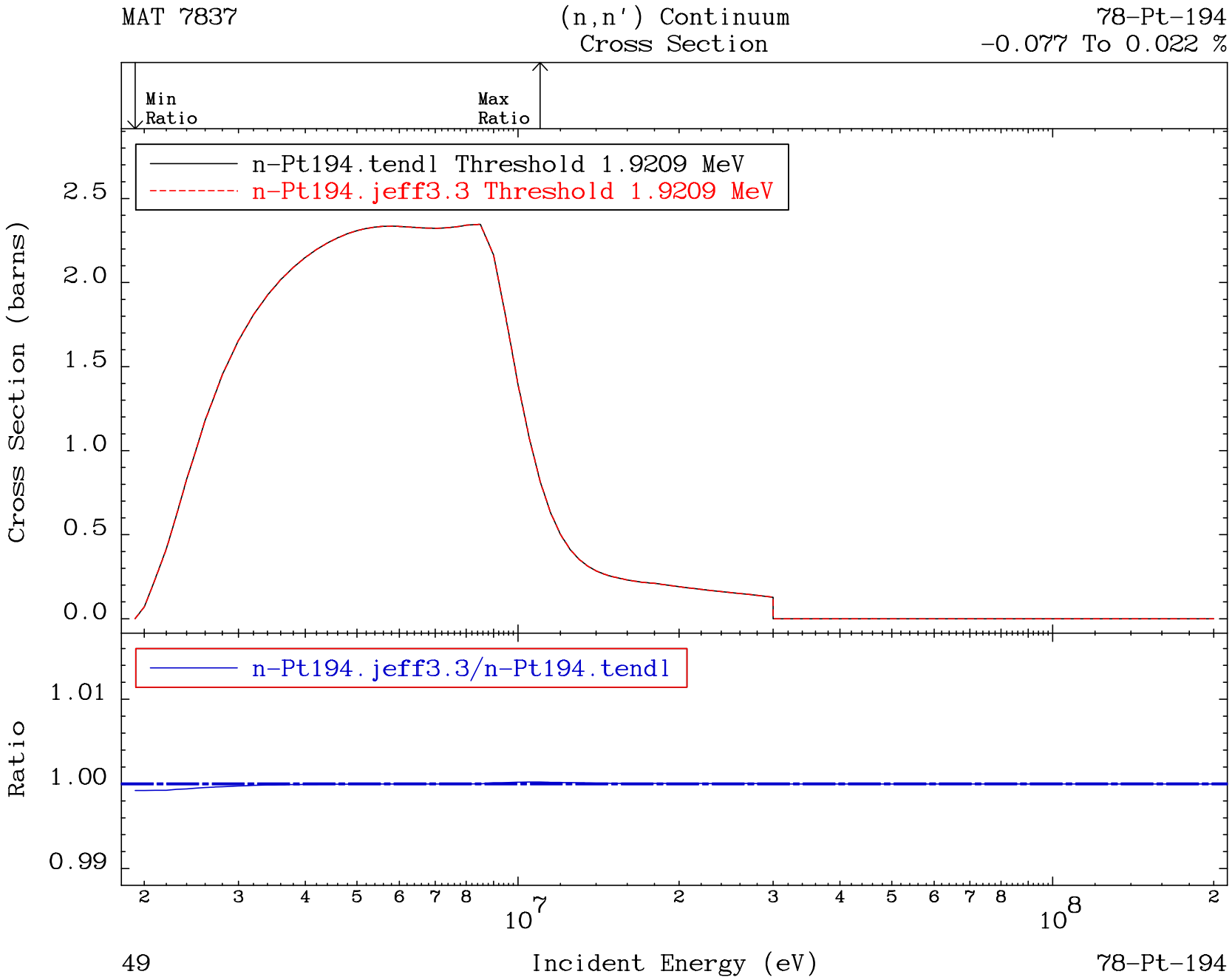

MAT 7837
MT= 76 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.071 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.8261 MeV
n-Pt194.jeff3.3 Threshold 1.8261 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
78-Pt-194

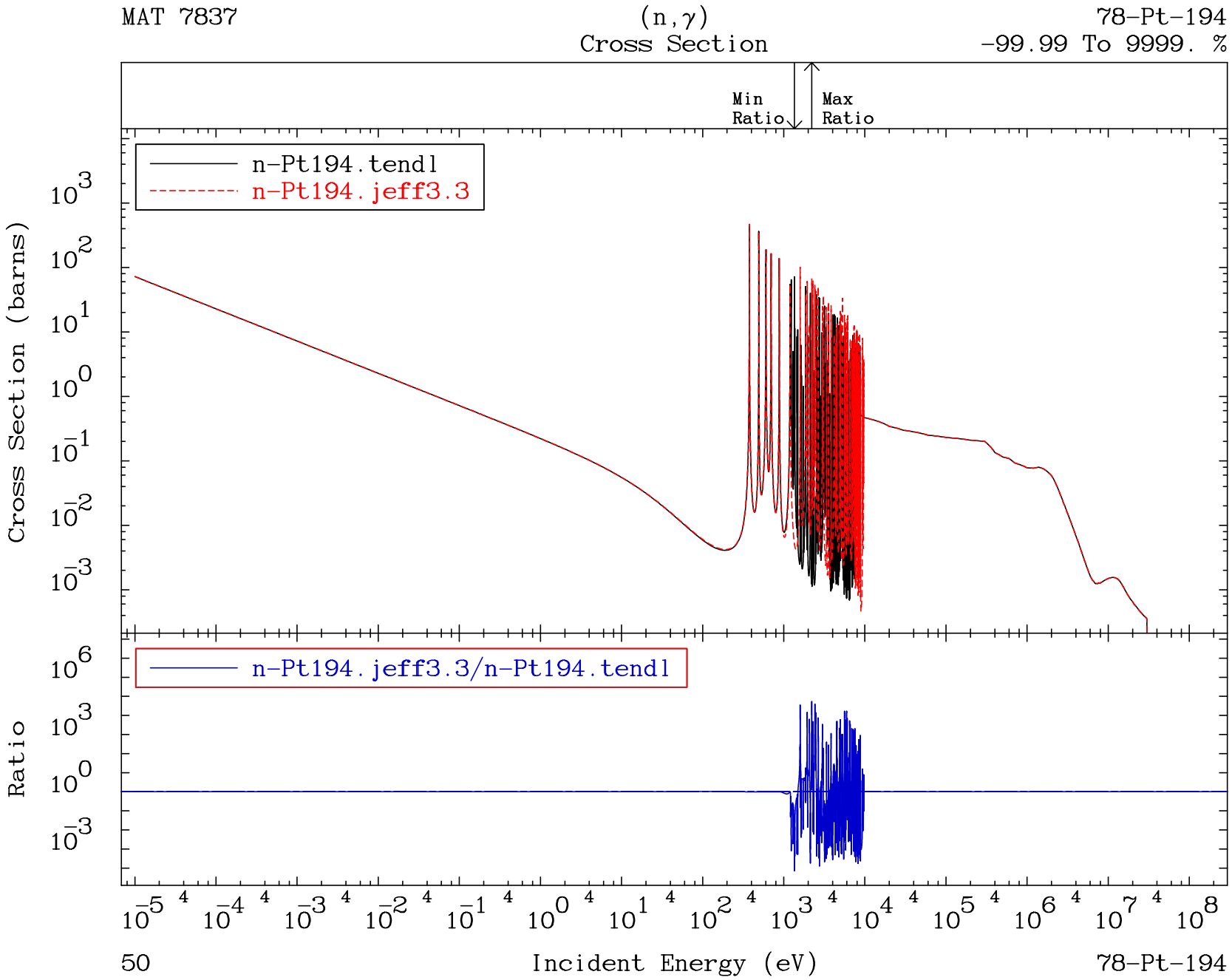

MAT 7837
MT= 77 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.383 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.8797 MeV
n-Pt194.jeff3.3 Threshold 1.8797 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
78-Pt-194

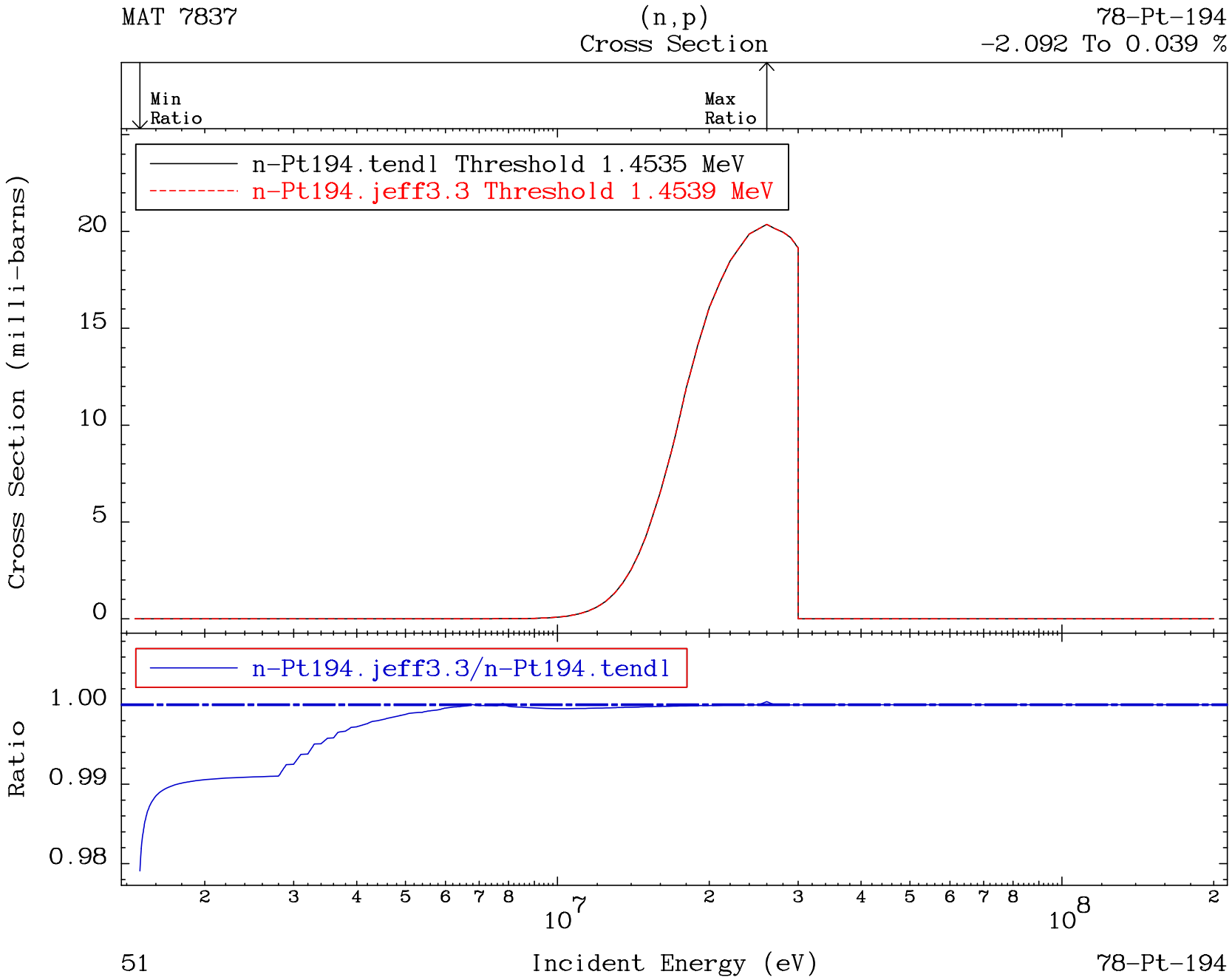

MAT 7837
MT= 78 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.383 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.8981 MeV
n-Pt194.jeff3.3 Threshold 1.8981 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
78-Pt-194

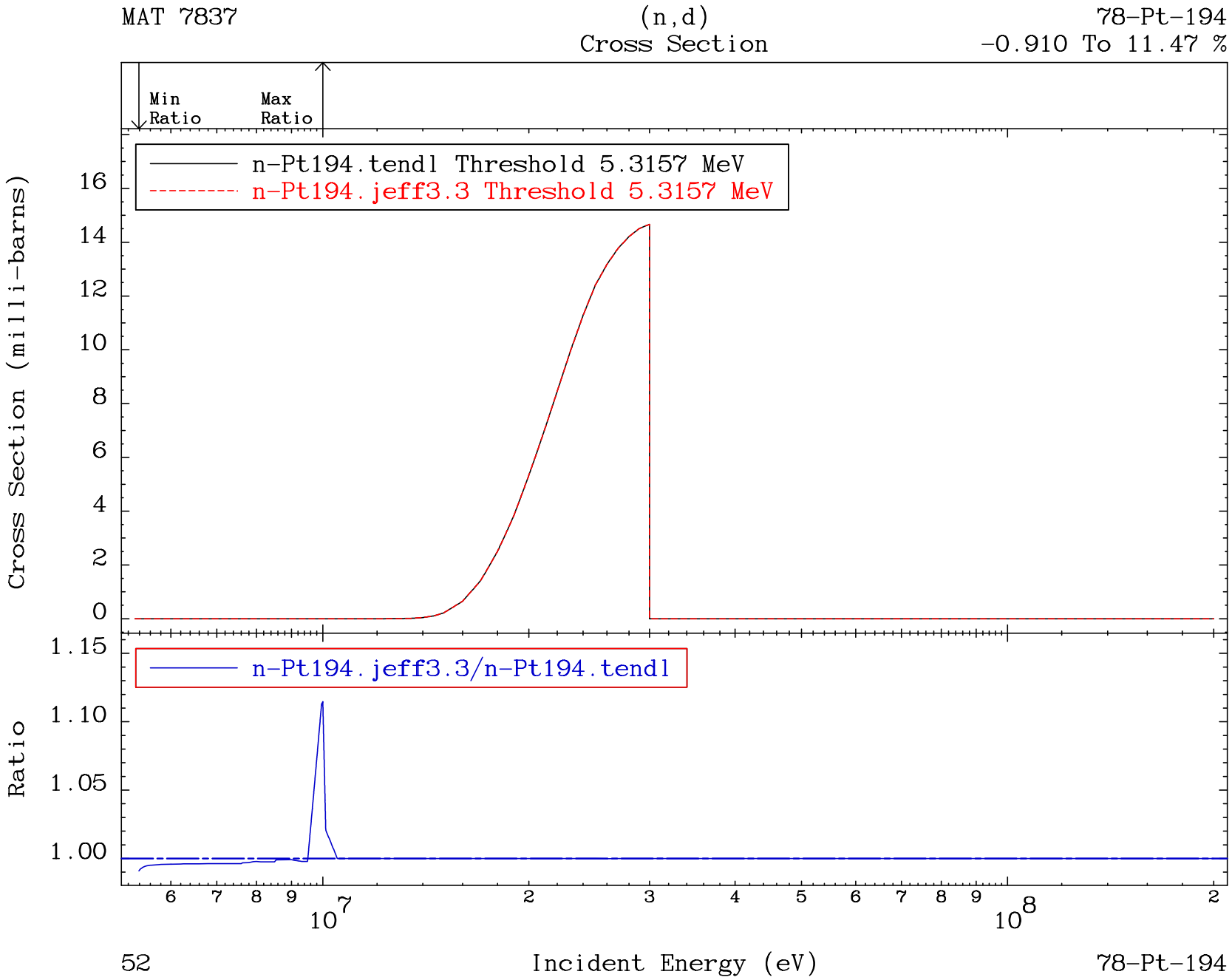

MAT 7837
MT= 79 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.383 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.9035 MeV
n-Pt194.jeff3.3 Threshold 1.9035 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
78-Pt-194

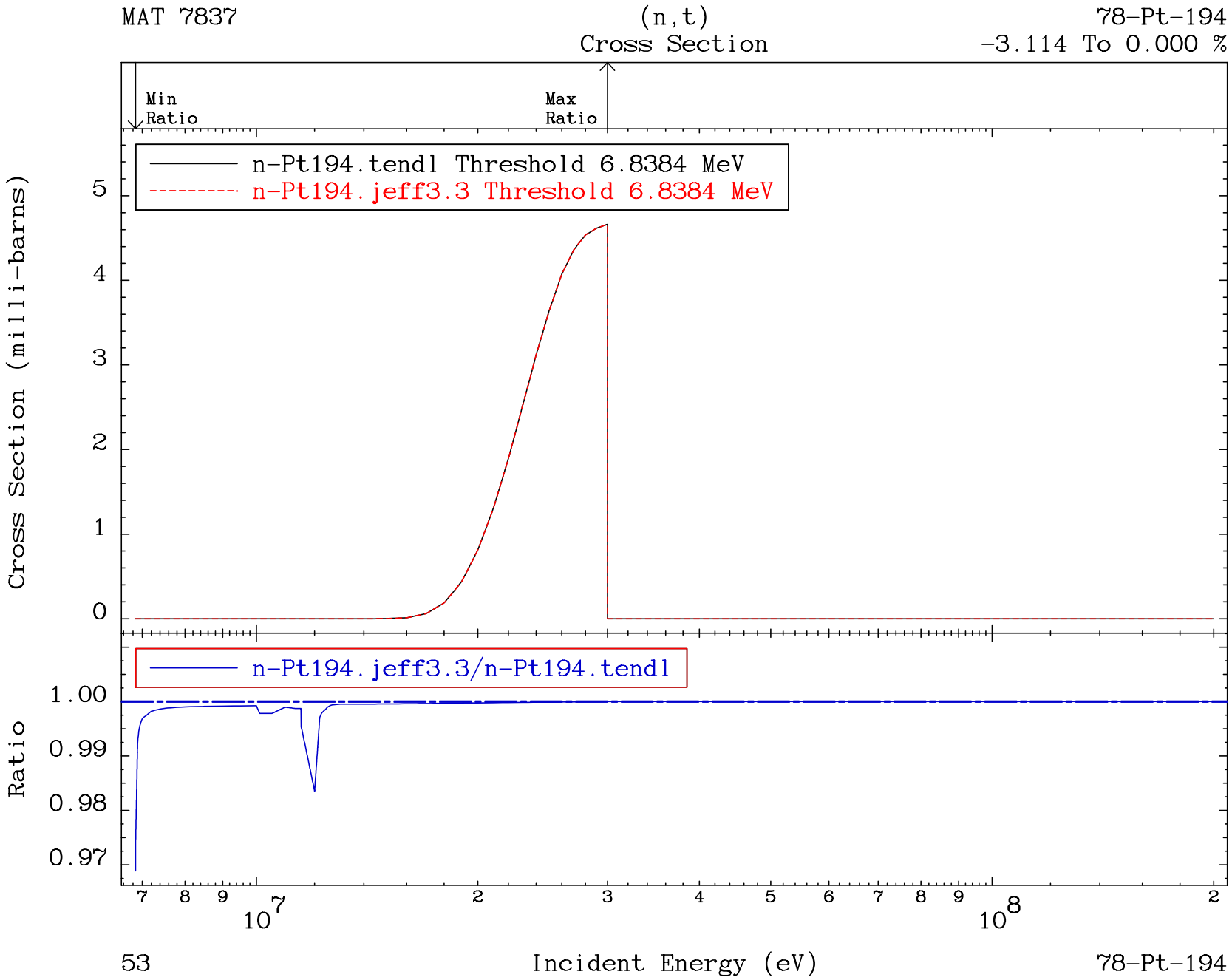

MAT 7837
MT= 80 (n,n') Level
Cross Section
78-Pt-194
0.000 To 0.082 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.9209 MeV
n-Pt194.jeff3.3 Threshold 1.9209 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
78-Pt-194

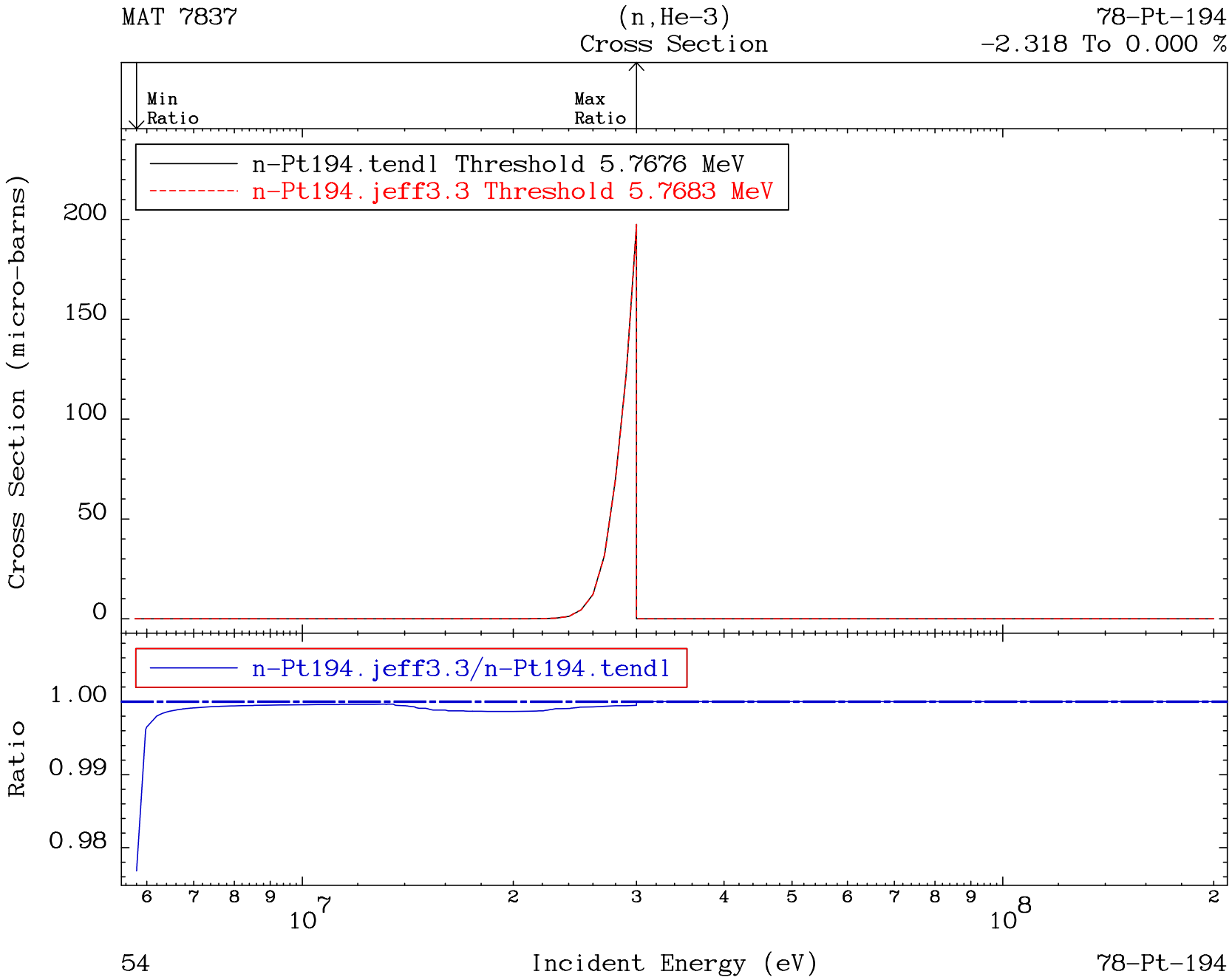

MAT 7837
(n,n') Continuum
Cross Section
78-Pt-194
-0.077 To 0.022 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.9209 MeV
n-Pt194.jeff3.3 Threshold 1.9209 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
78-Pt-194

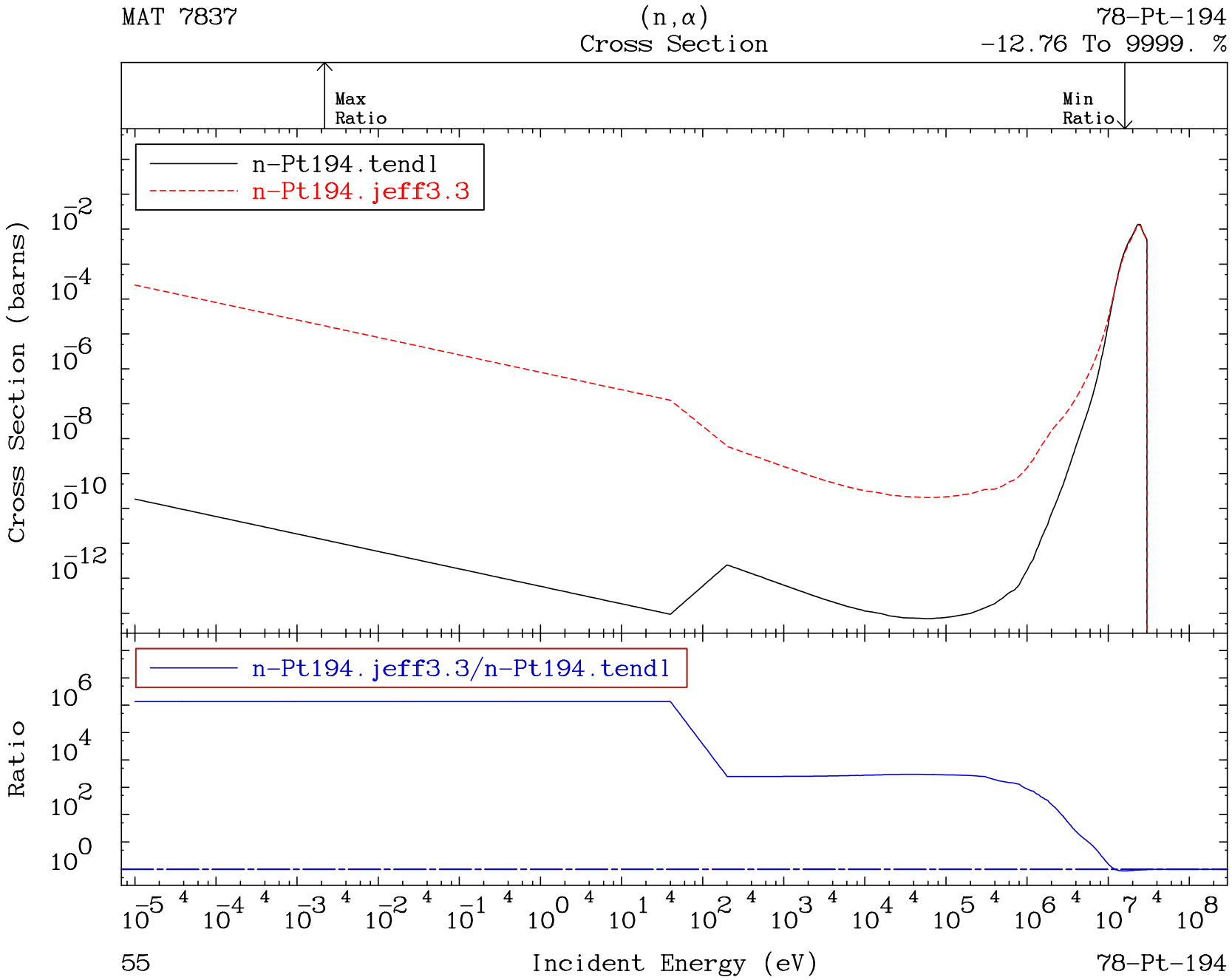

MAT 7837
(n,γ)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
50
78-Pt-194

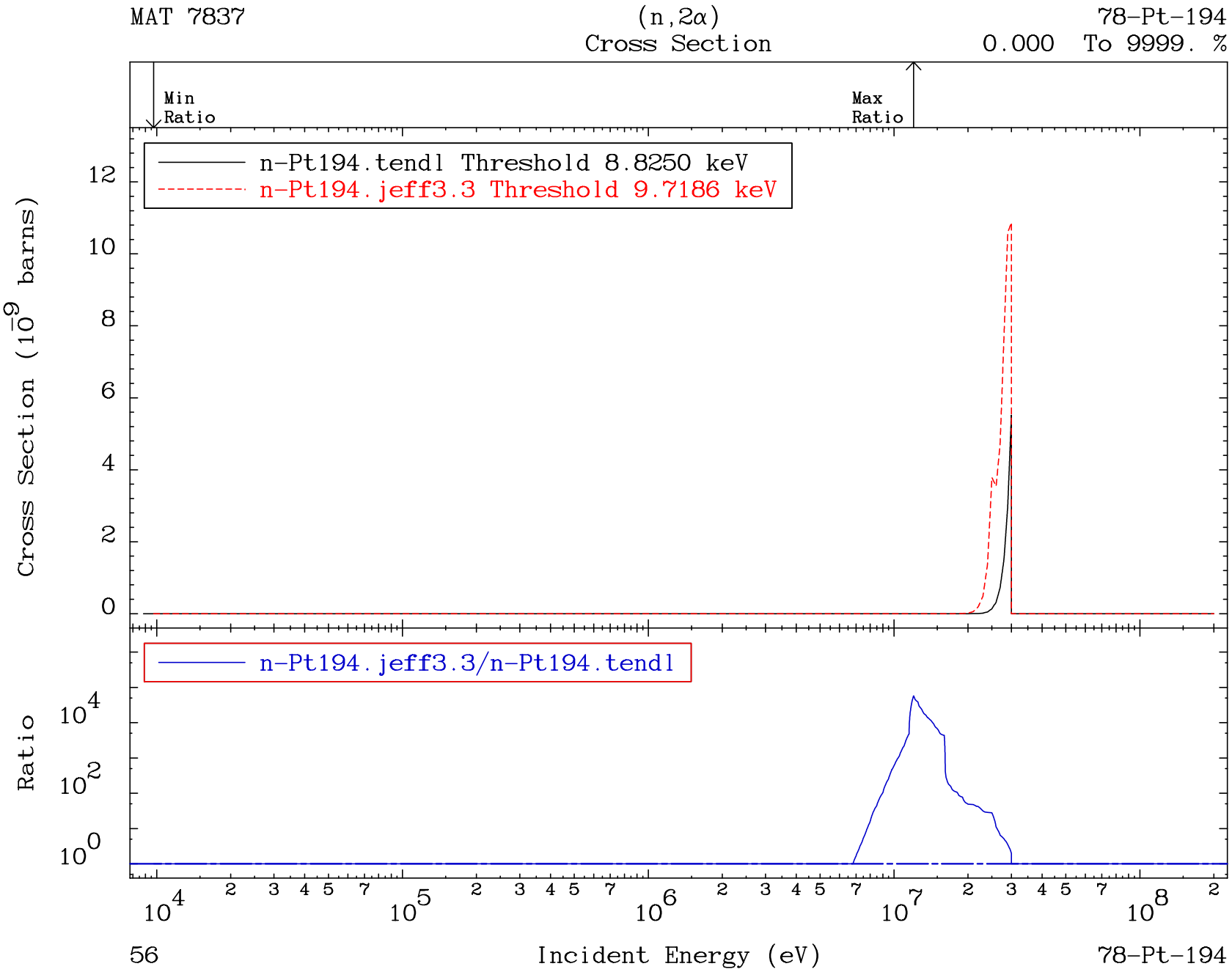

MAT 7837
(n,p)
Cross Section
78-Pt-194
-2.092 To 0.039 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4535 MeV
n-Pt194.jeff3.3 Threshold 1.4539 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
78-Pt-194

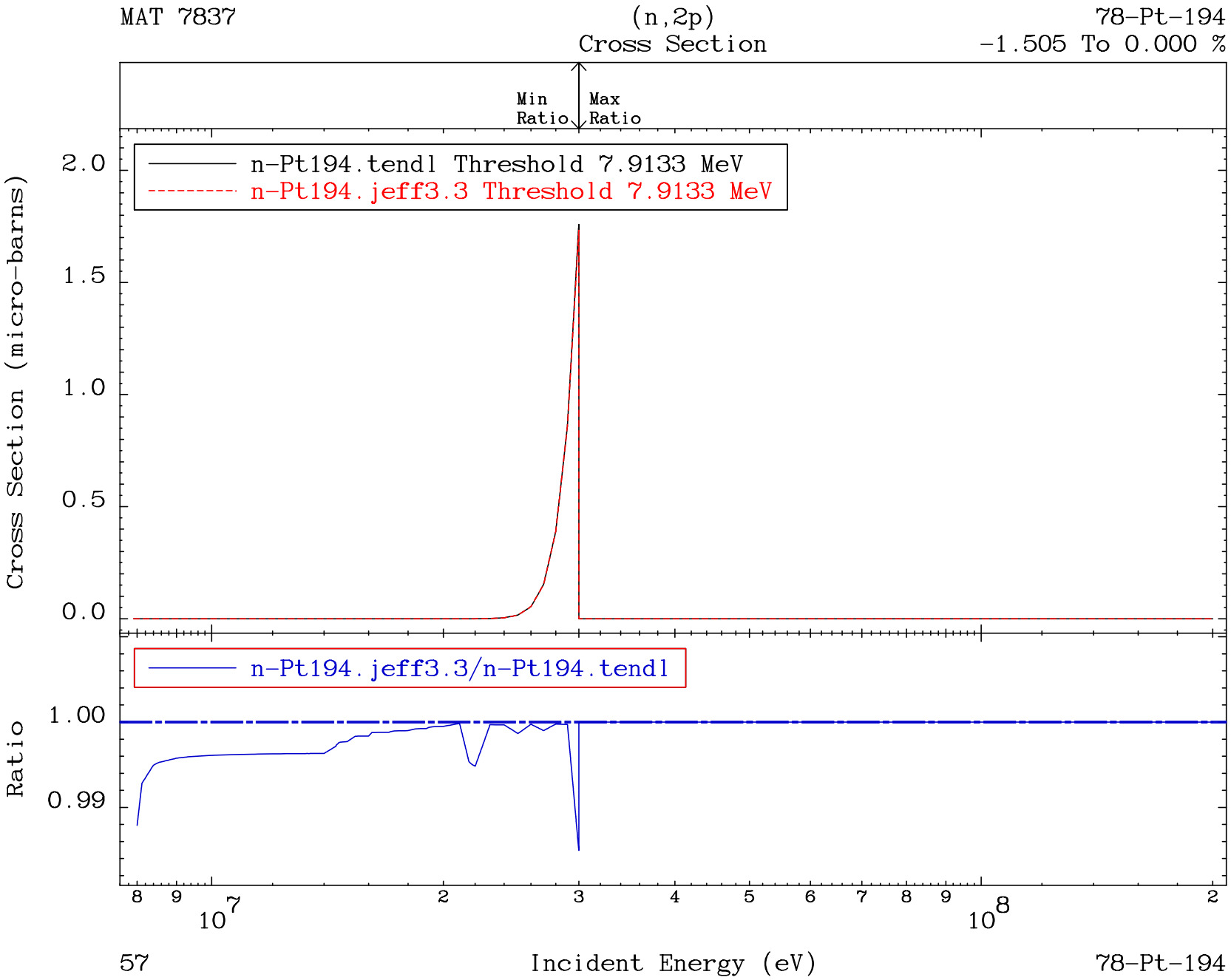

MAT 7837
(n,d)
Cross Section
78-Pt-194
-0.910 To 11.47 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.3157 MeV
n-Pt194.jeff3.3 Threshold 5.3157 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
1.05
1.10
1.15
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
78-Pt-194

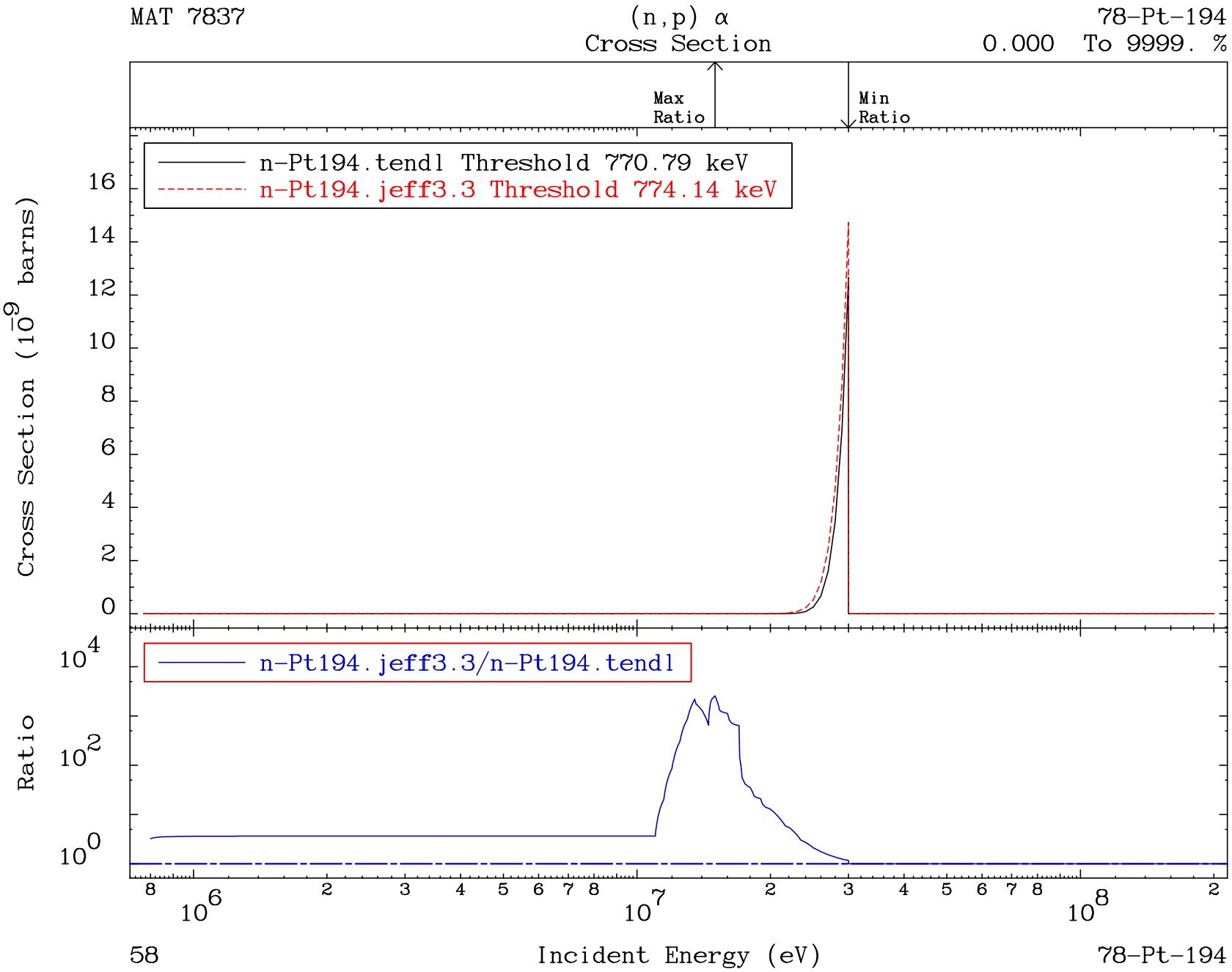

MAT 7837
(n,t)
Cross Section
78-Pt-194
-3.114 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 6.8384 MeV
n-Pt194.jeff3.3 Threshold 6.8384 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
0.97
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
78-Pt-194

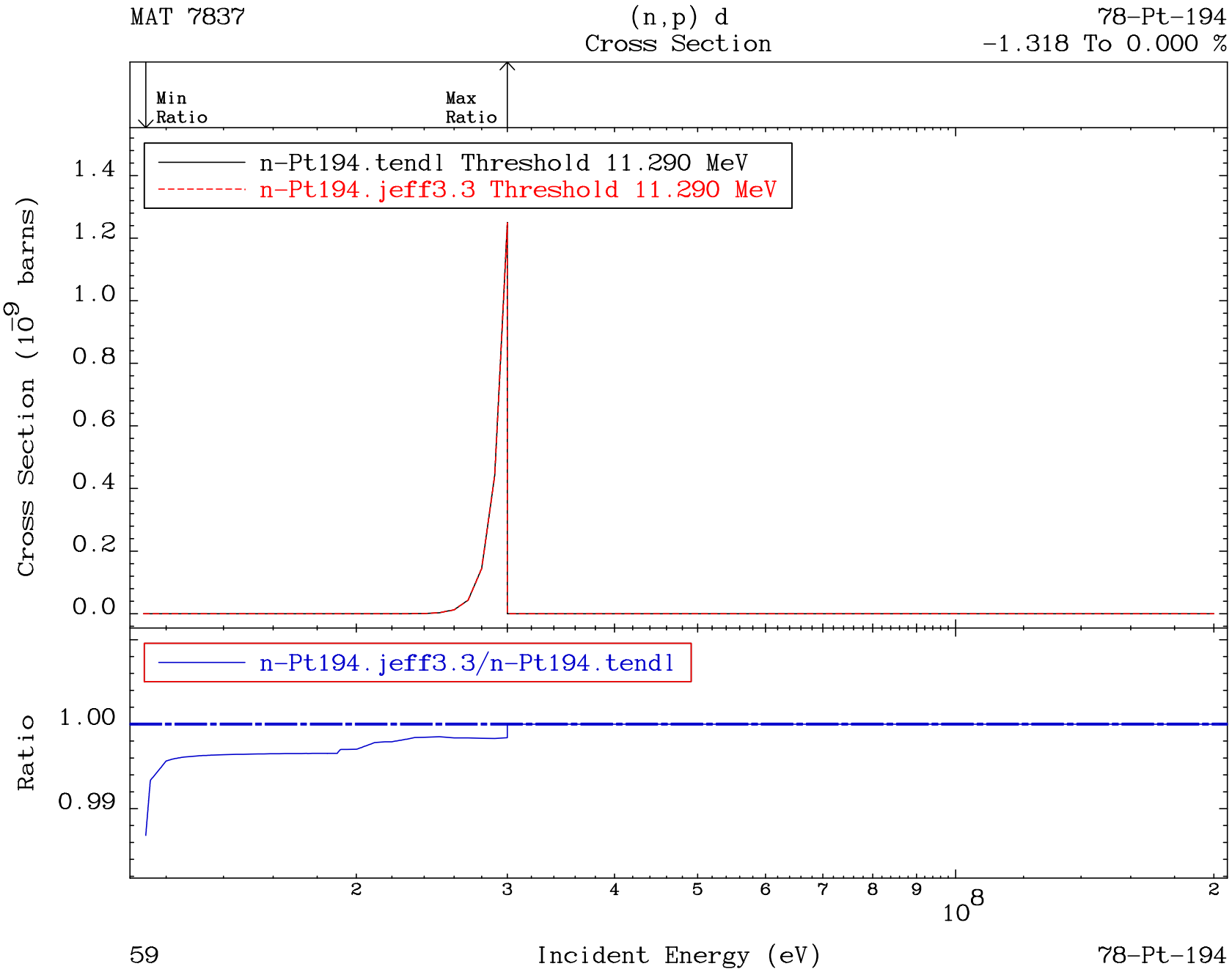

MAT 7837
(n,He-3)
Cross Section
78-Pt-194
-2.318 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.7676 MeV
n-Pt194.jeff3.3 Threshold 5.7683 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
78-Pt-194

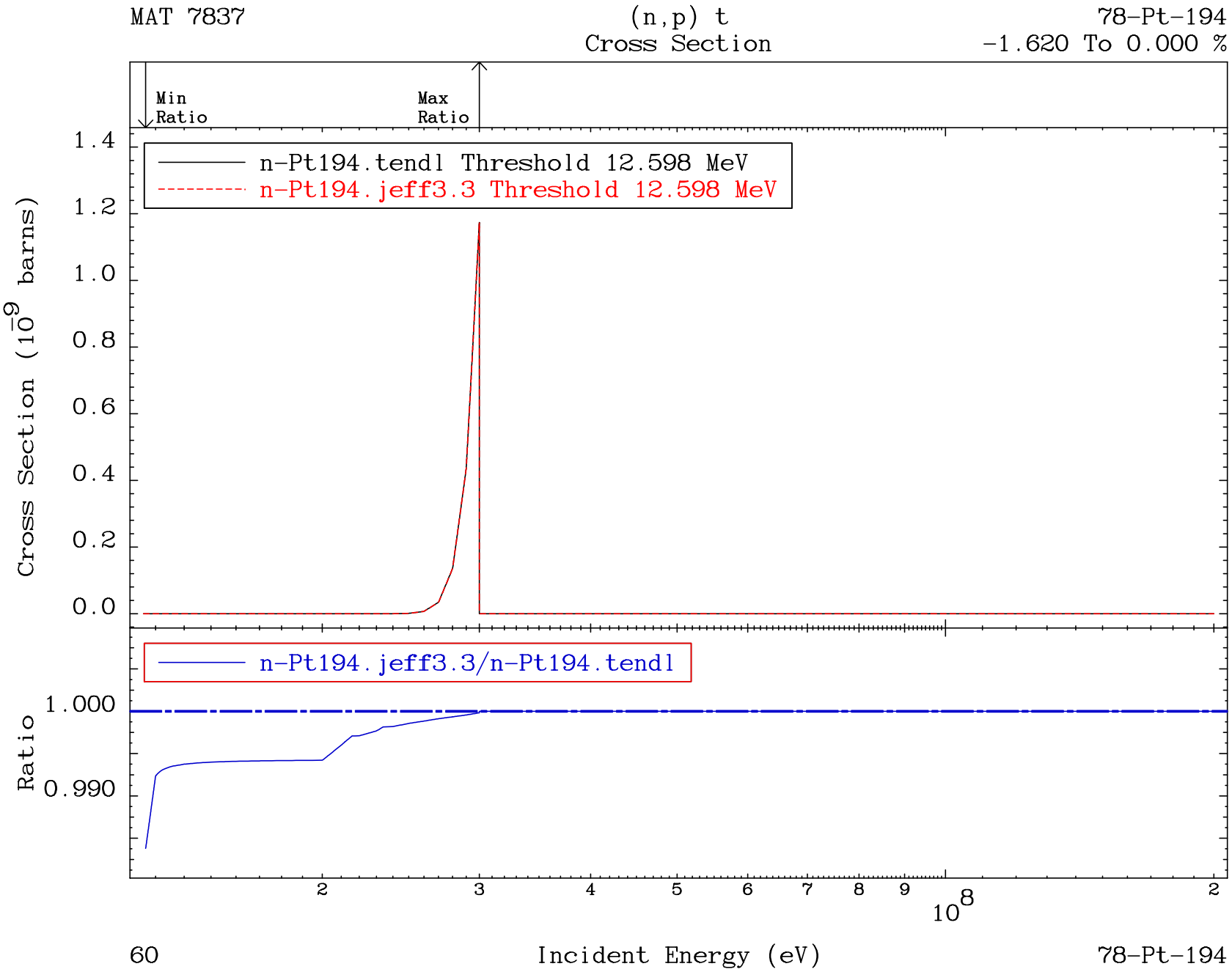

MAT 7837
(n,α)
Cross Section
78-Pt-194
-12.76 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
55
78-Pt-194

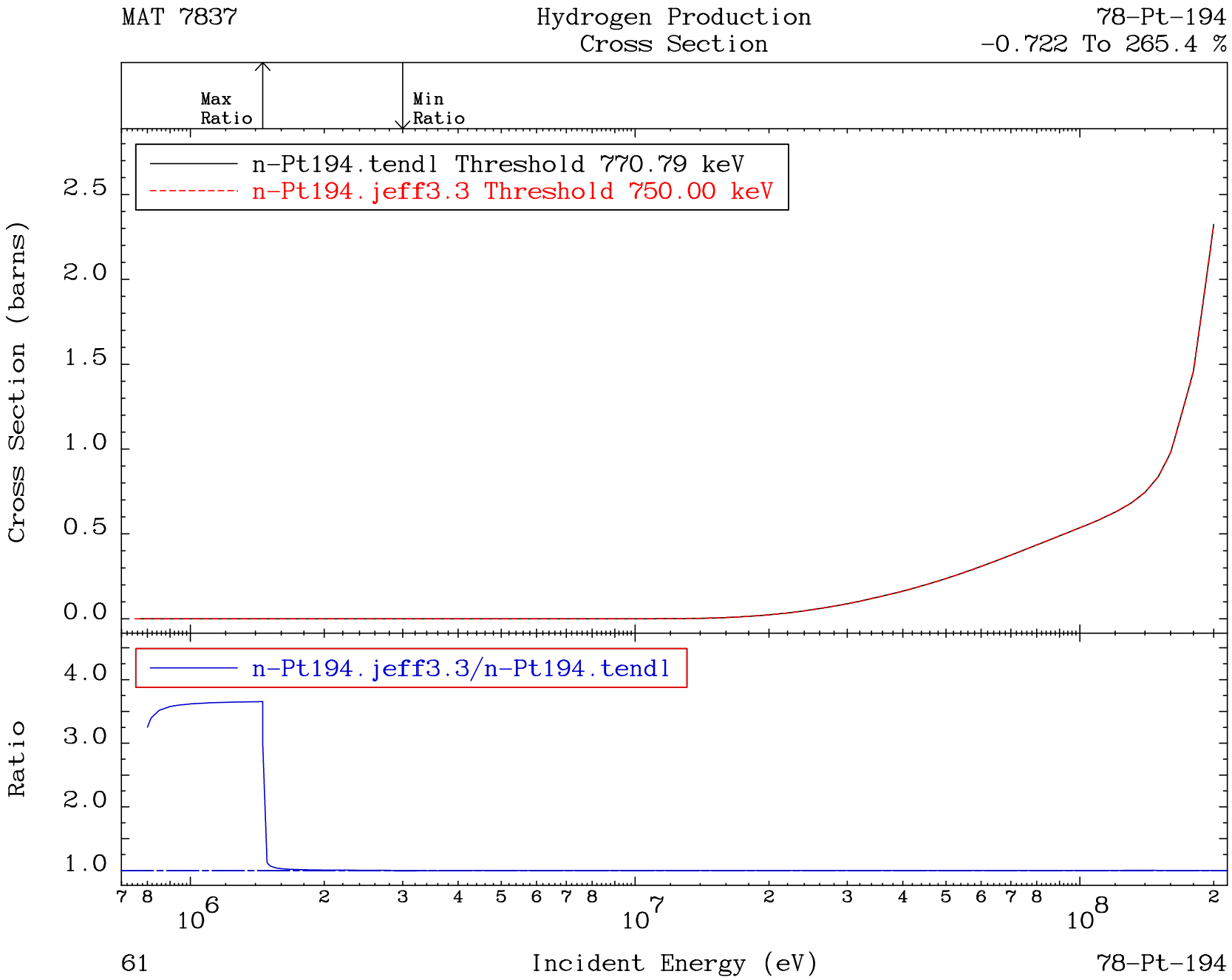

MAT 7837
(n,2α)
Cross Section
78-Pt-194
0.000 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 8.8250 keV
n-Pt194.jeff3.3 Threshold 9.7186 keV
Cross Section (10^{-9} barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
56
78-Pt-194

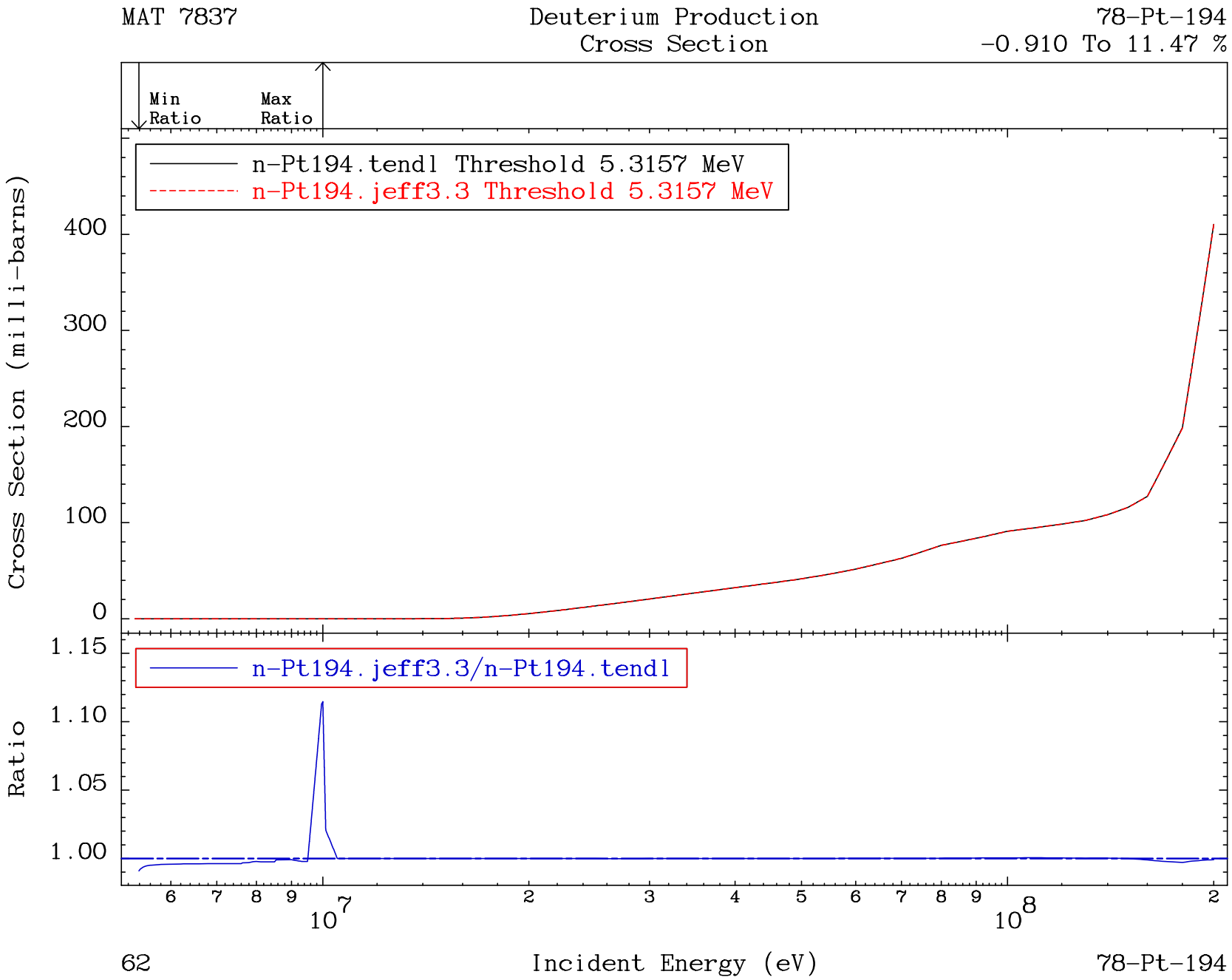

MAT 7837
(n,2p)
Cross Section
78-Pt-194
-1.505 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 7.9133 MeV
n-Pt194.jeff3.3 Threshold 7.9133 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
78-Pt-194

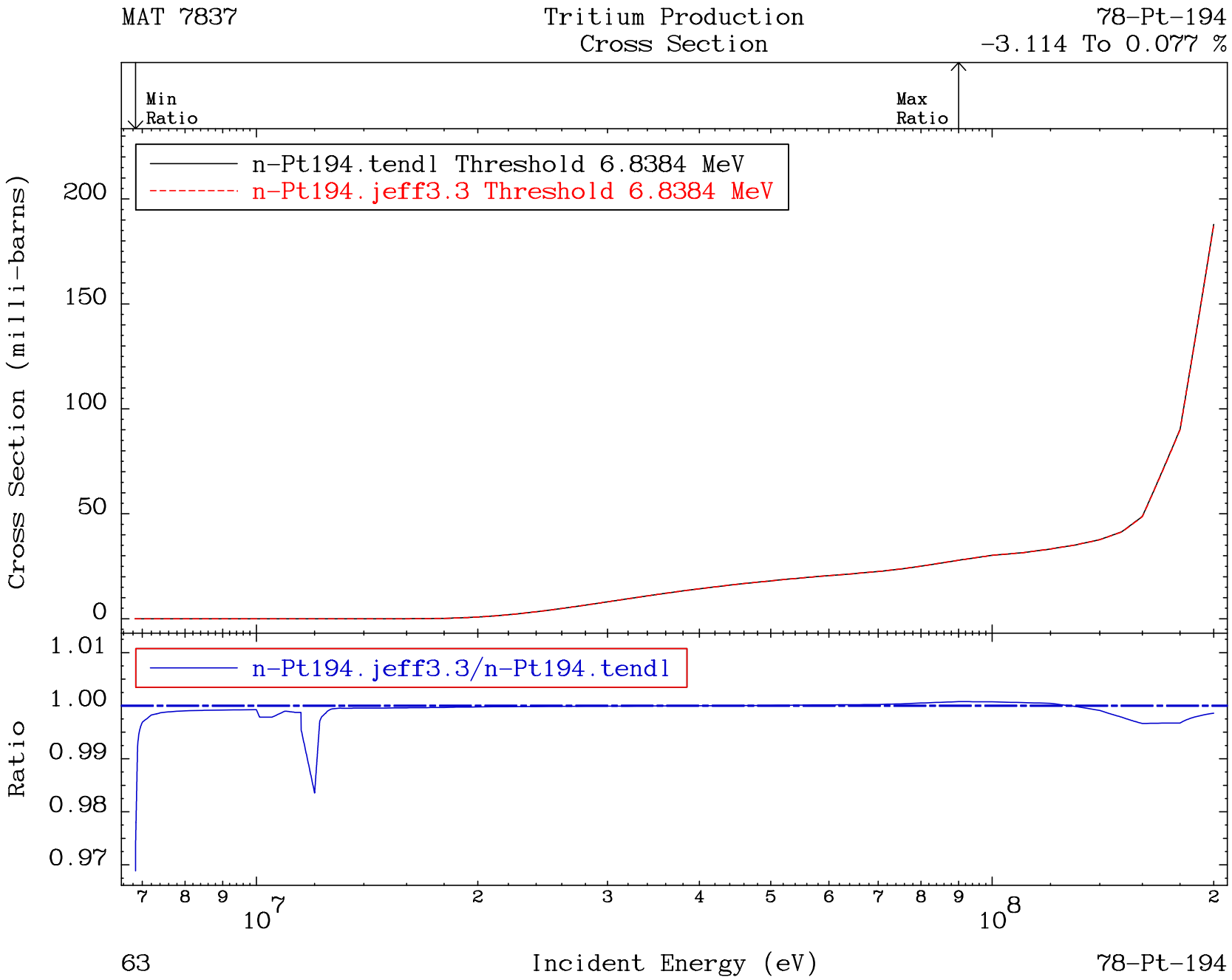

MAT 7837
(n,p) α
Cross Section
78-Pt-194
0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 770.79 keV
n-Pt194.jeff3.3 Threshold 774.14 keV
Cross Section (10^{-9} barns)
16
14
12
10
8
6
4
2
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^4
10^2
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
58
Incident Energy (eV)
78-Pt-194

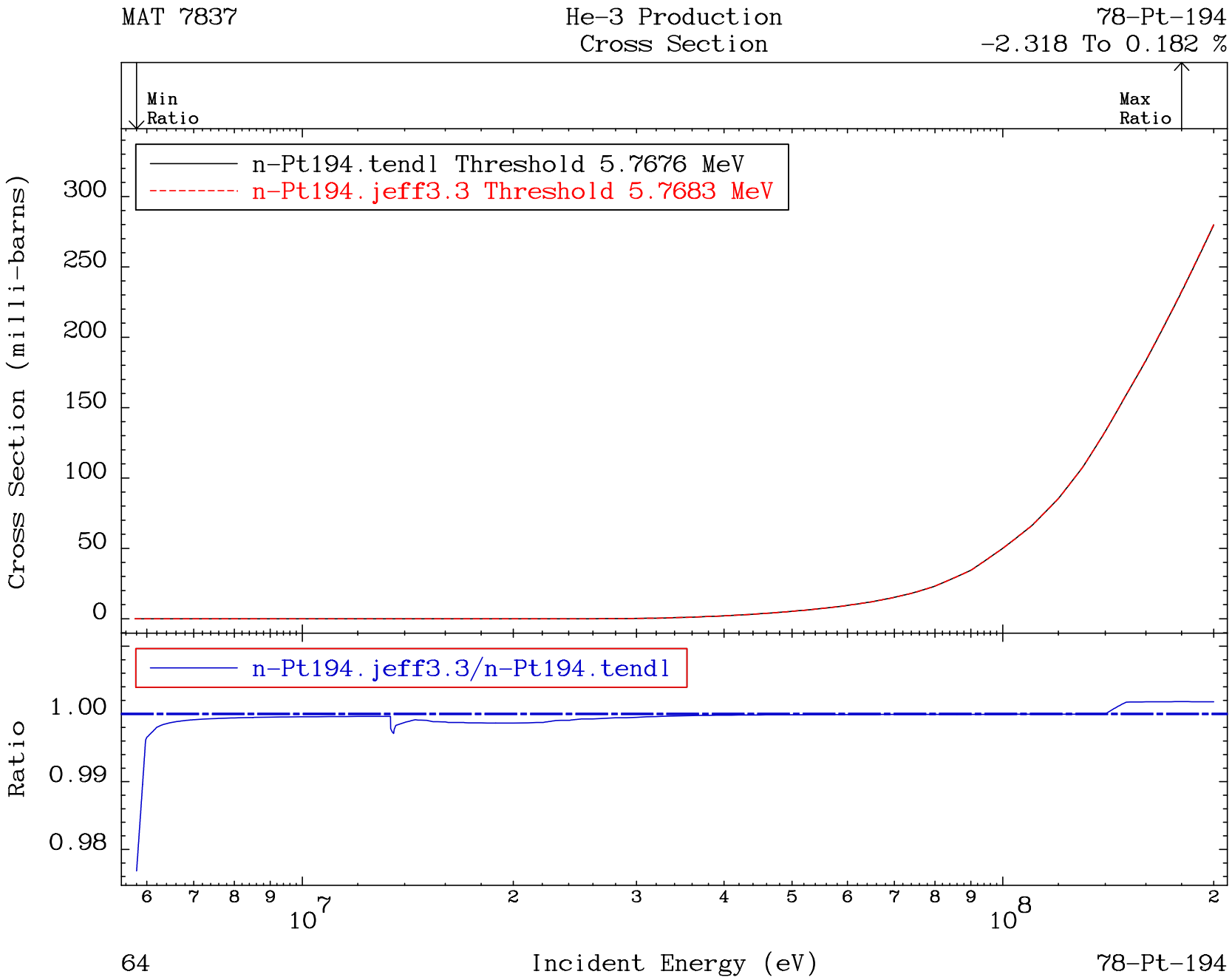

MAT 7837
(n,p) d
Cross Section
78-Pt-194
-1.318 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 11.290 MeV
n-Pt194.jeff3.3 Threshold 11.290 MeV
Cross Section (10^{-9} barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
78-Pt-194

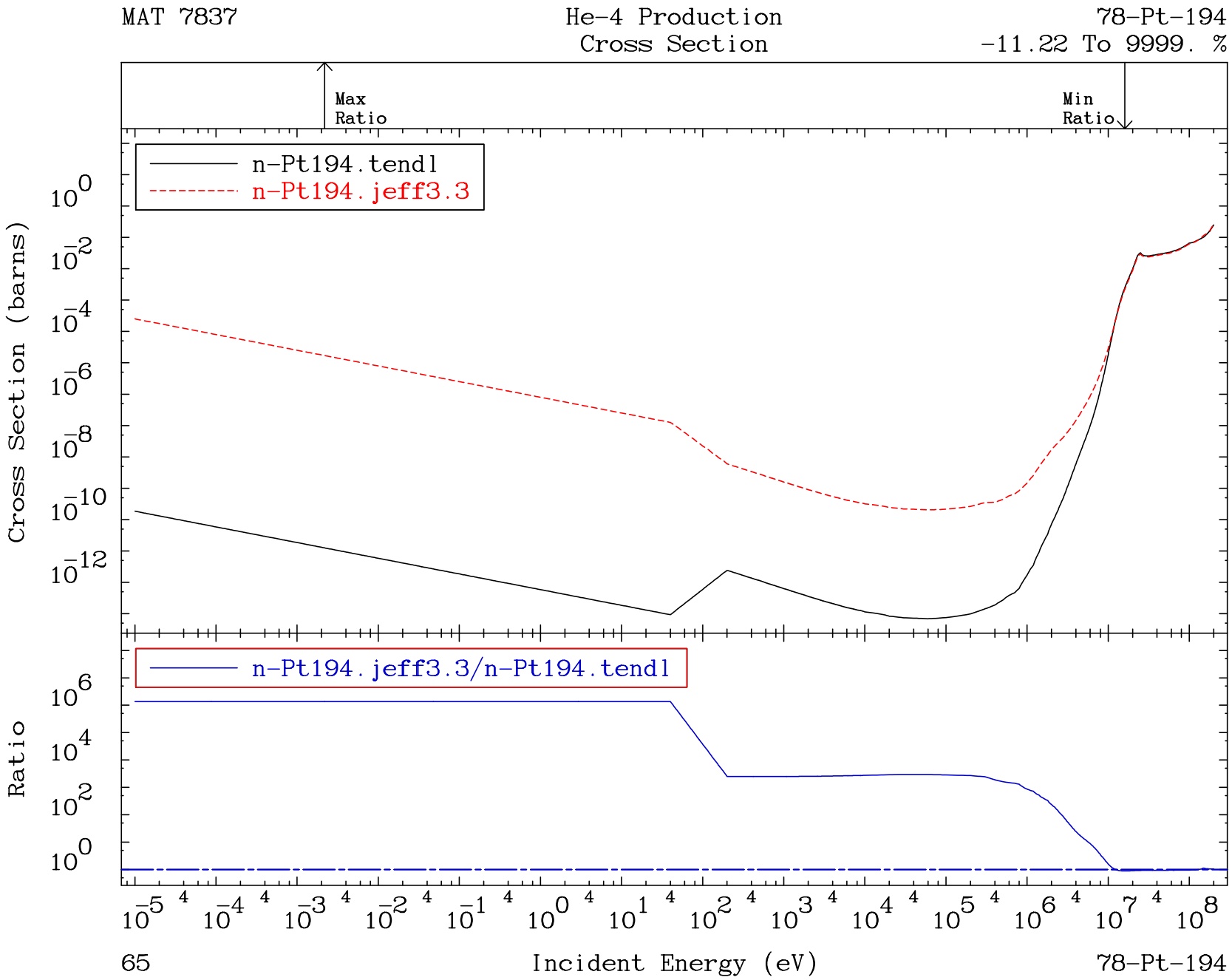

MAT 7837
(n,p) t
Cross Section
78-Pt-194
-1.620 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 12.598 MeV
n-Pt194.jeff3.3 Threshold 12.598 MeV
Cross Section (10^-9 barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.000
0.990
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
78-Pt-194

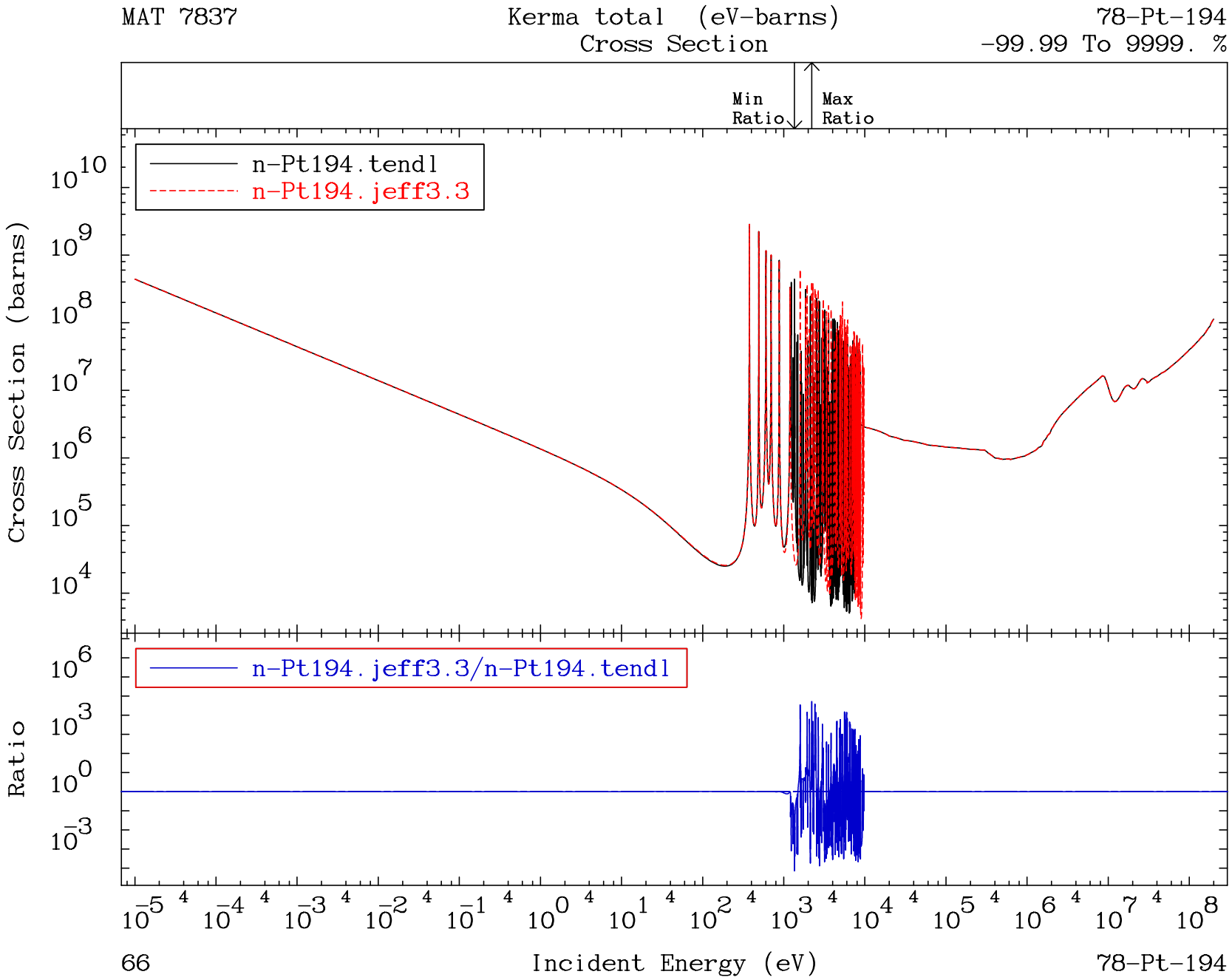

MAT 7837
Hydrogen Production
Cross Section
78-Pt-194
-0.722 To 265.4 %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 770.79 keV
n-Pt194.jeff3.3 Threshold 750.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
4.0
3.0
2.0
1.0
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
61
Incident Energy (eV)
78-Pt-194

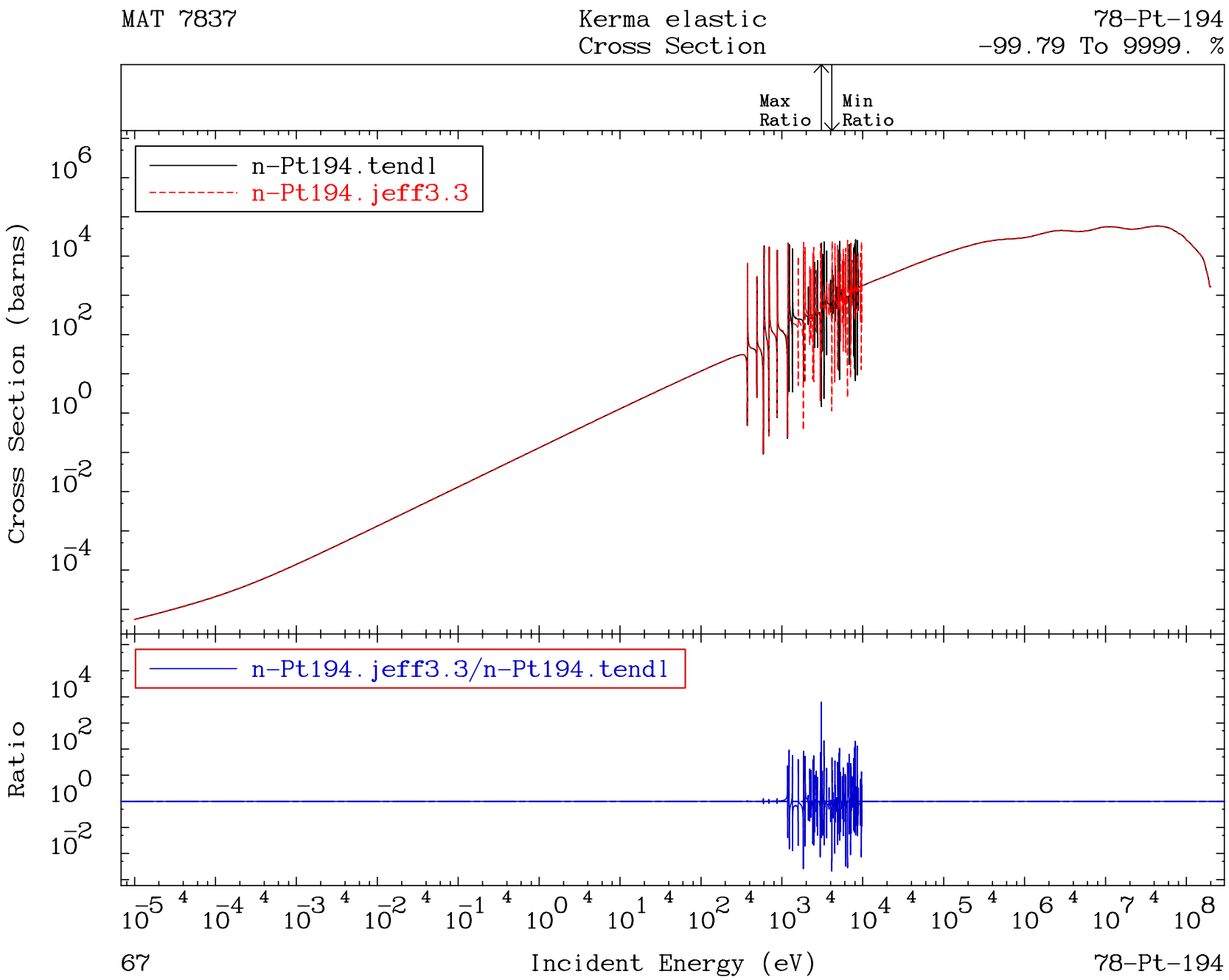

MAT 7837
Deuterium Production
Cross Section
78-Pt-194
-0.910 To 11.47 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.3157 MeV
n-Pt194.jeff3.3 Threshold 5.3157 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.15
1.10
1.05
1.00
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
62
Incident Energy (eV)
78-Pt-194

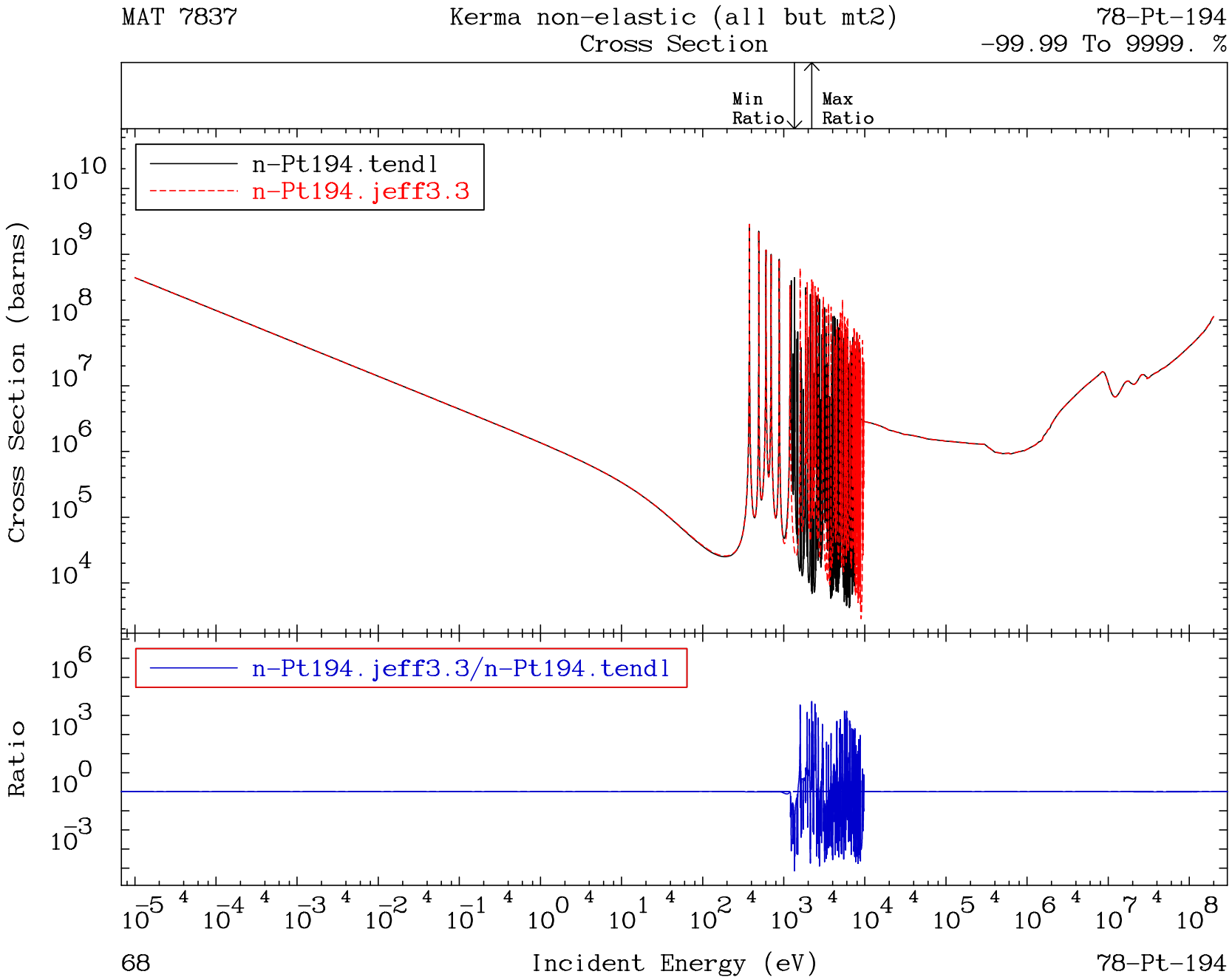

MAT 7837
Tritium Production
Cross Section
78-Pt-194
-3.114 To 0.077 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 6.8384 MeV
n-Pt194.jeff3.3 Threshold 6.8384 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
63
Incident Energy (eV)
78-Pt-194

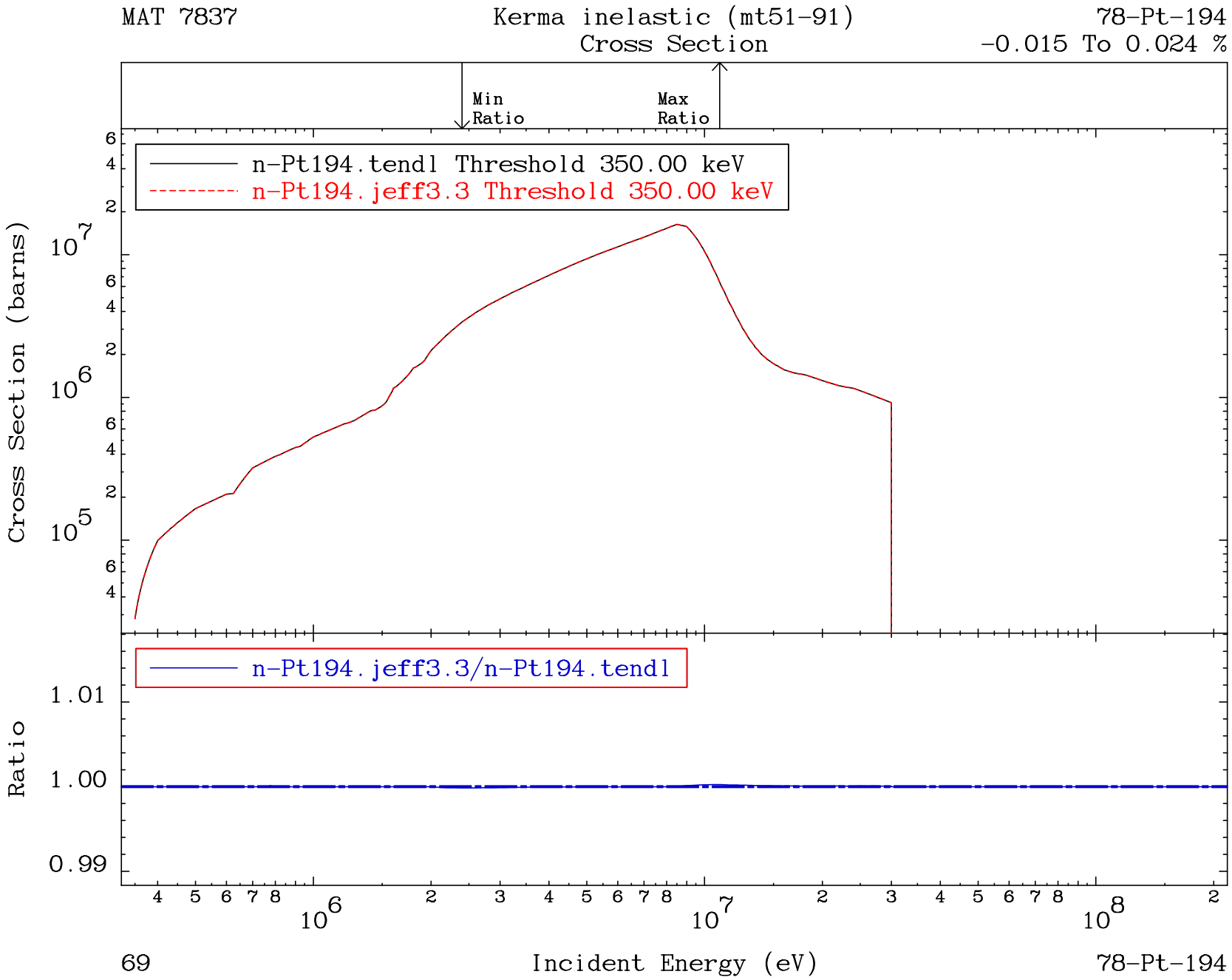

MAT 7837
He-3 Production
Cross Section
78-Pt-194
-2.318 To 0.182 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.7676 MeV
n-Pt194.jeff3.3 Threshold 5.7683 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
78-Pt-194

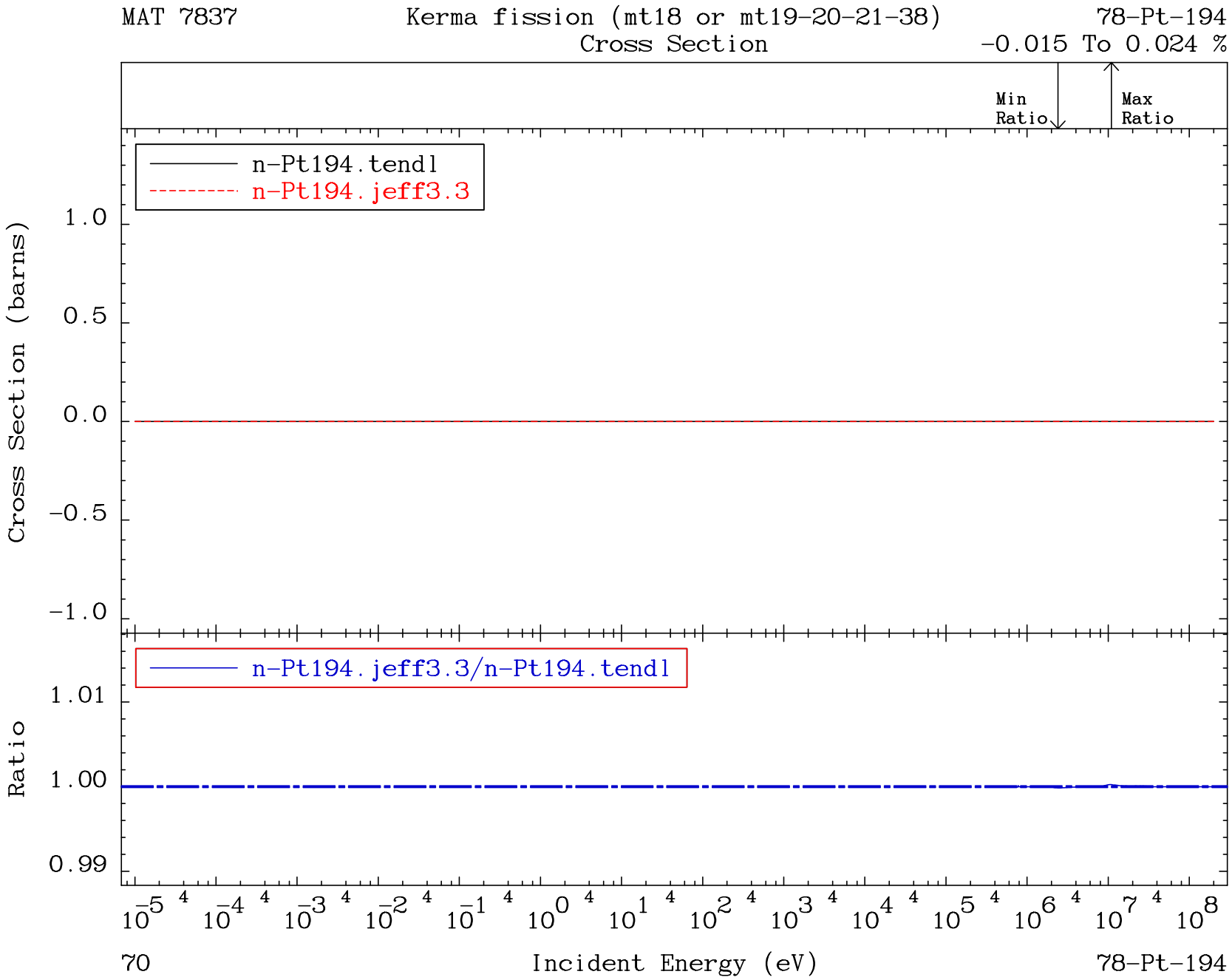

MAT 7837
He-4 Production
Cross Section
78-Pt-194
-11.22 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
65
78-Pt-194

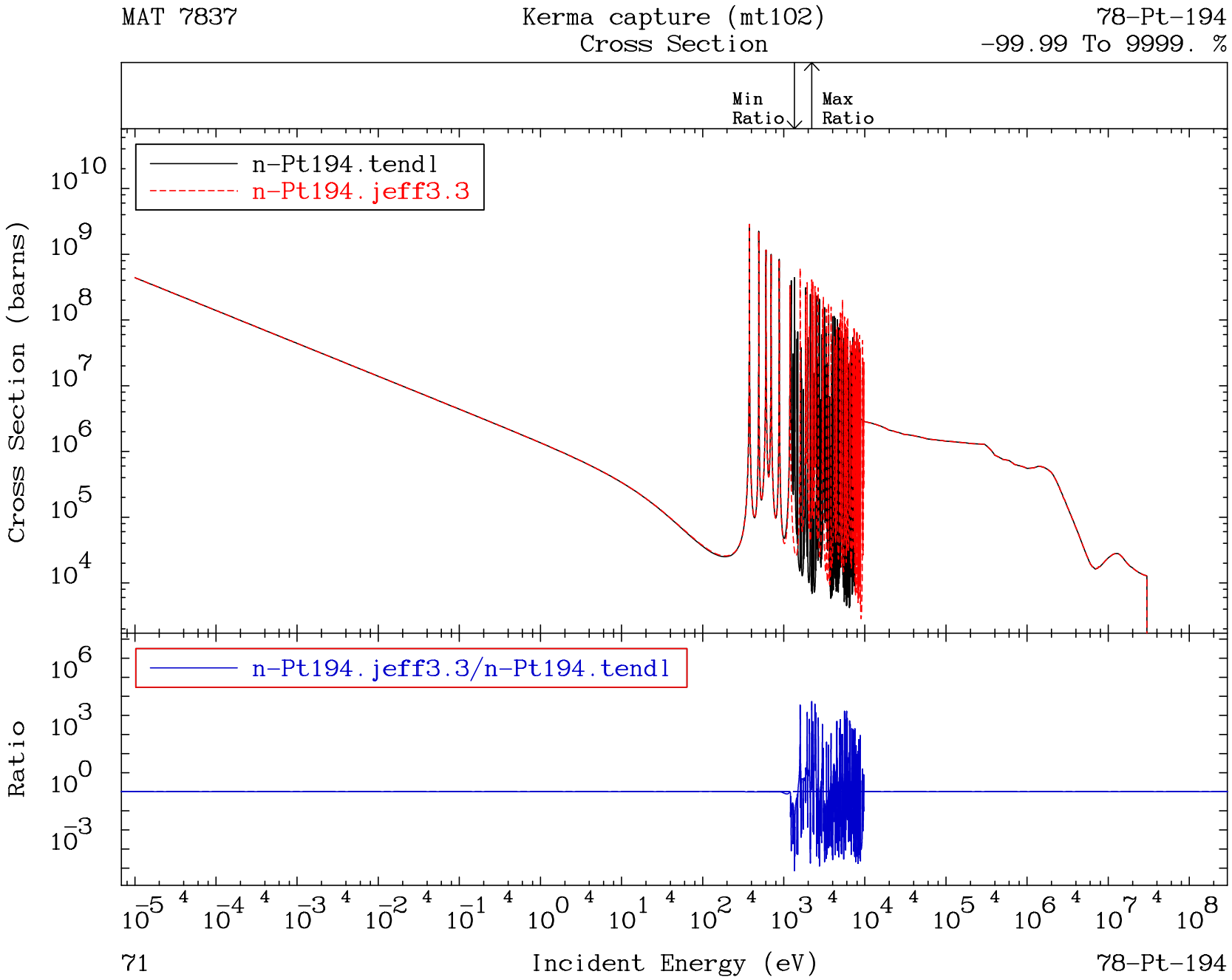

MAT 7837
Kerma total (eV-barns)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
66
Incident Energy (eV)
78-Pt-194

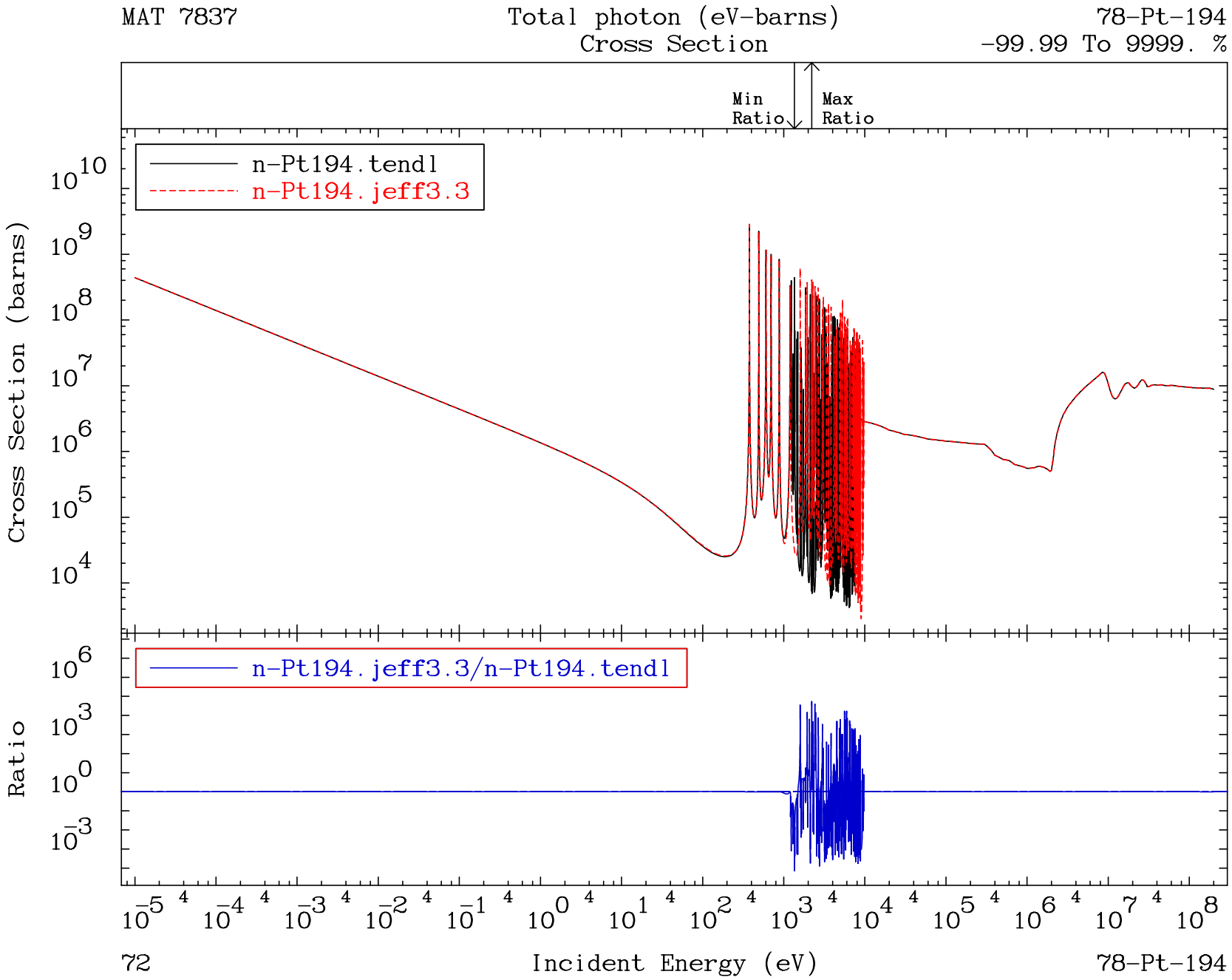

MAT 7837
Kerma elastic
Cross Section
78-Pt-194
-99.79 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
67
78-Pt-194

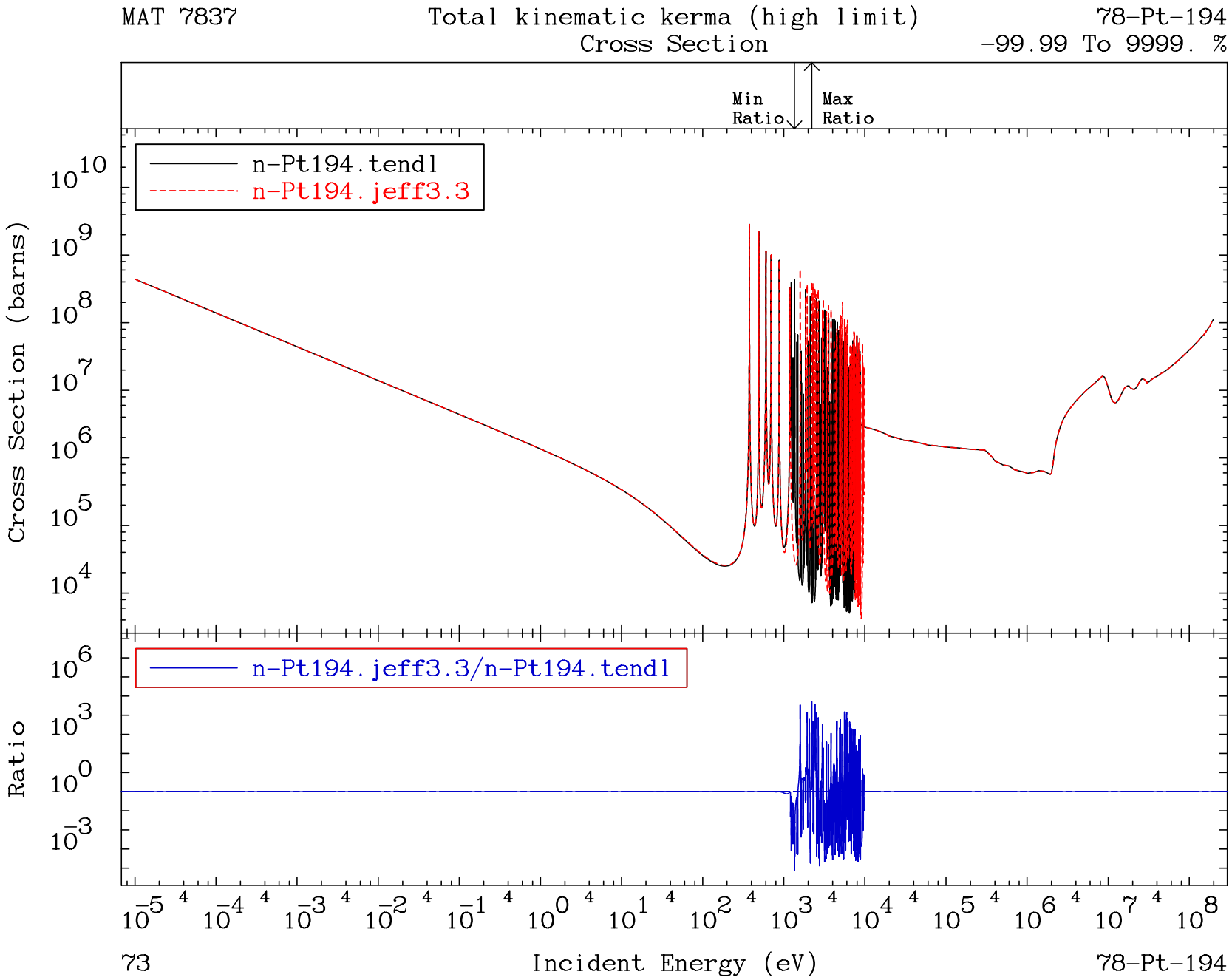

MAT 7837
Kerma non-elastic (all but mt2)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
68
78-Pt-194

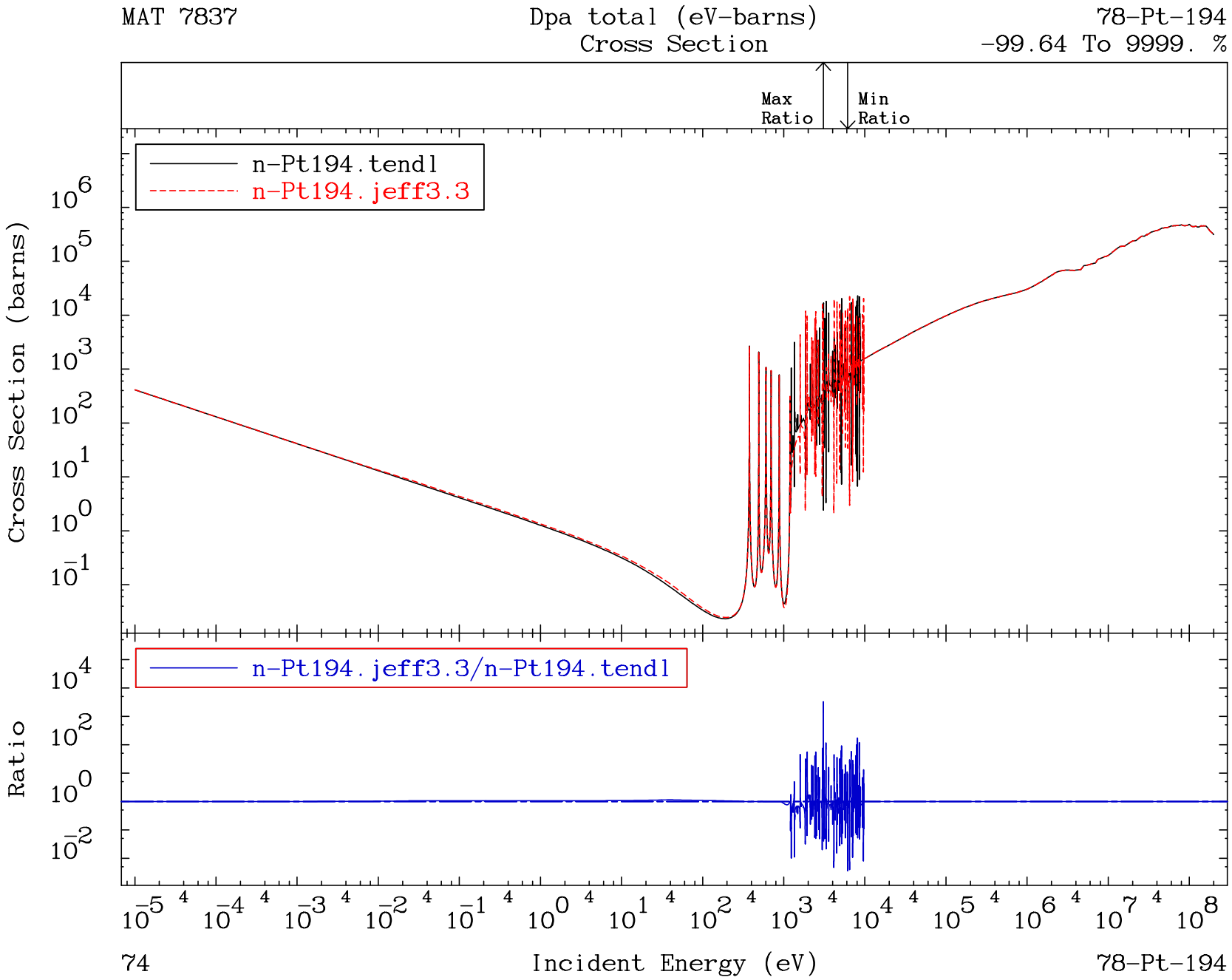

MAT 7837
Kerma inelastic (mt51-91)
Cross Section
78-Pt-194
-0.015 To 0.024 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 350.00 keV
n-Pt194.jeff3.3 Threshold 350.00 keV
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
69
78-Pt-194

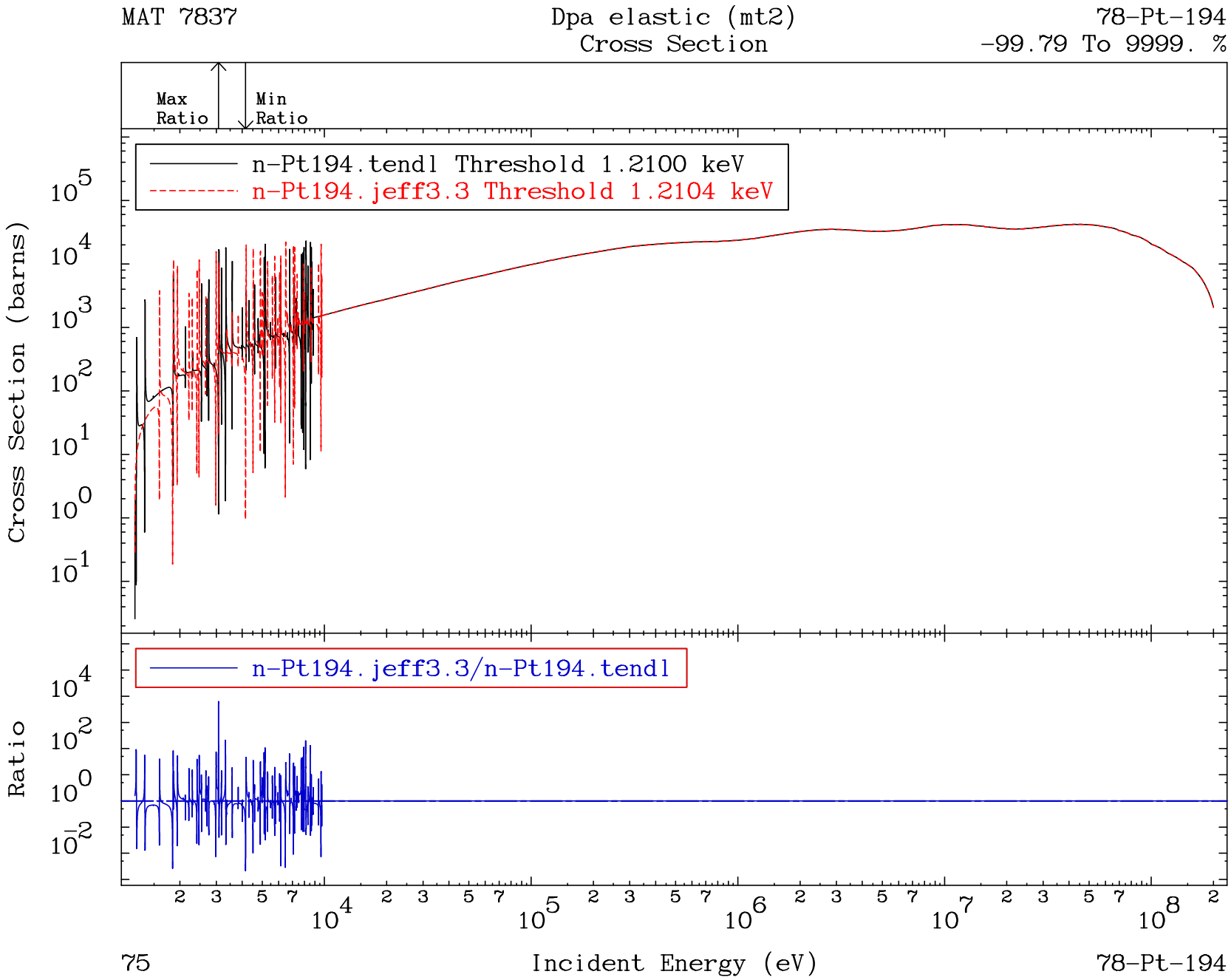

MAT 7837
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
78-Pt-194
-0.015 To 0.024 %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
70
Incident Energy (eV)
78-Pt-194

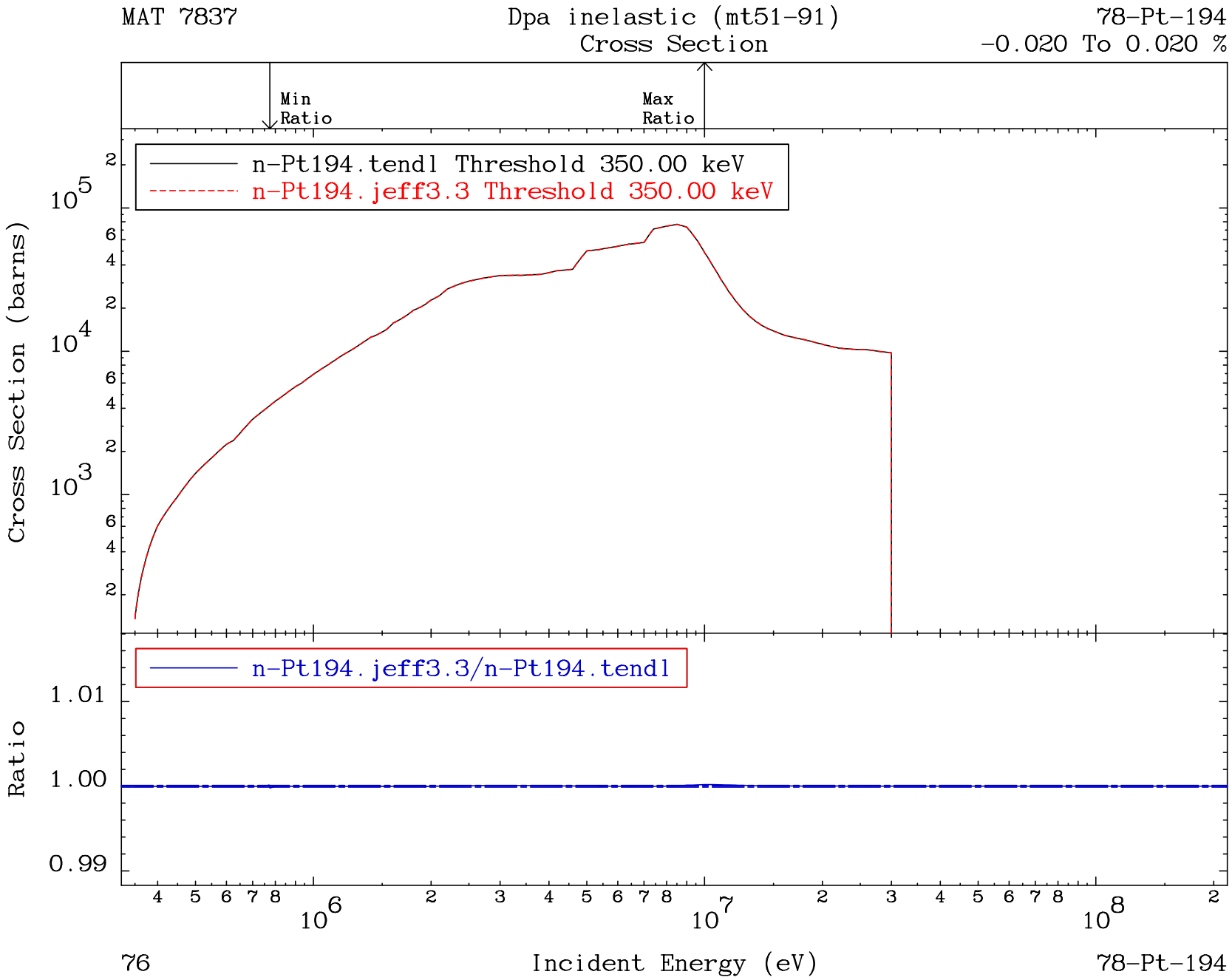

MAT 7837
Kerma capture (mt102)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
71
78-Pt-194

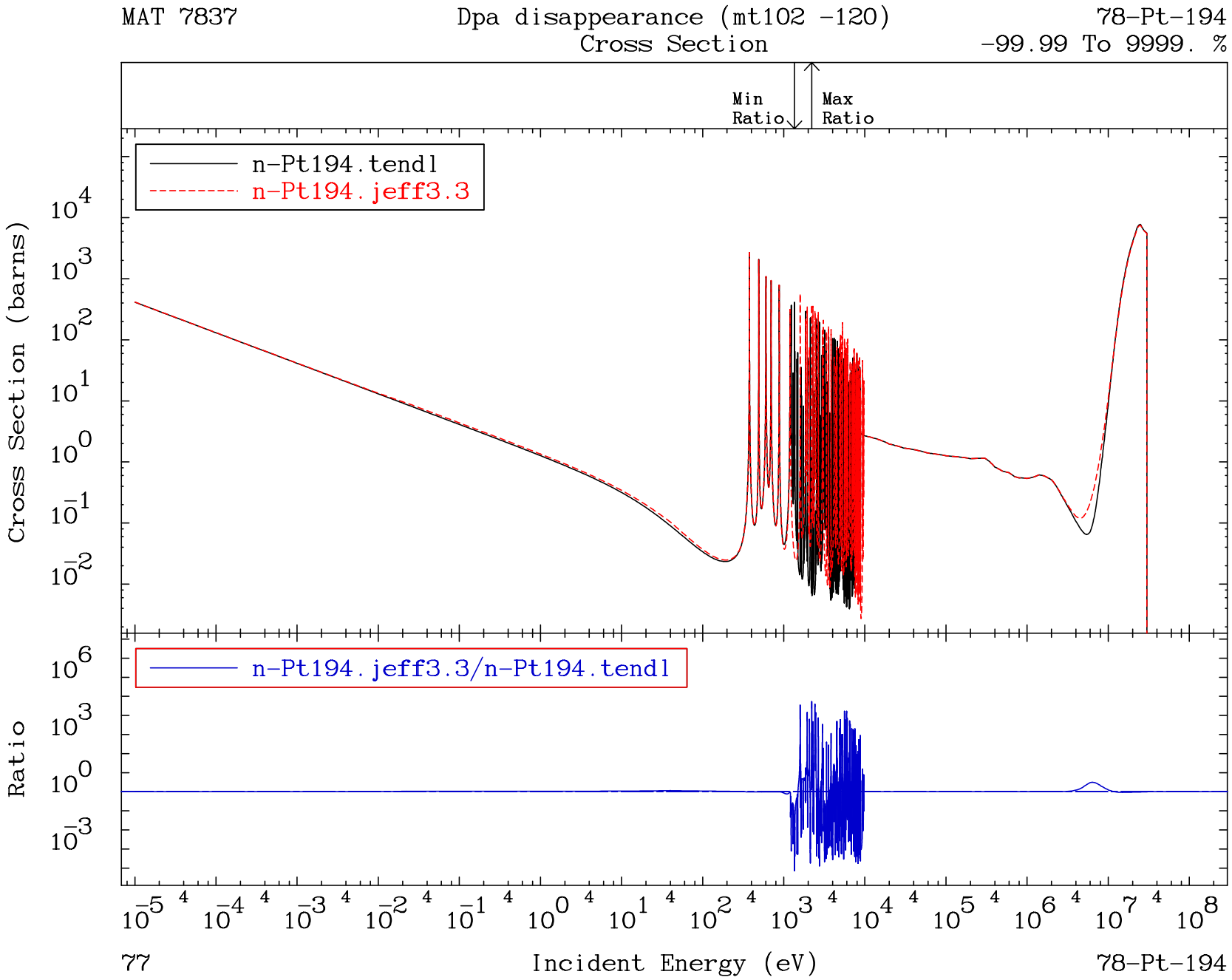

MAT 7837
Total photon (eV-barns)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
72
78-Pt-194

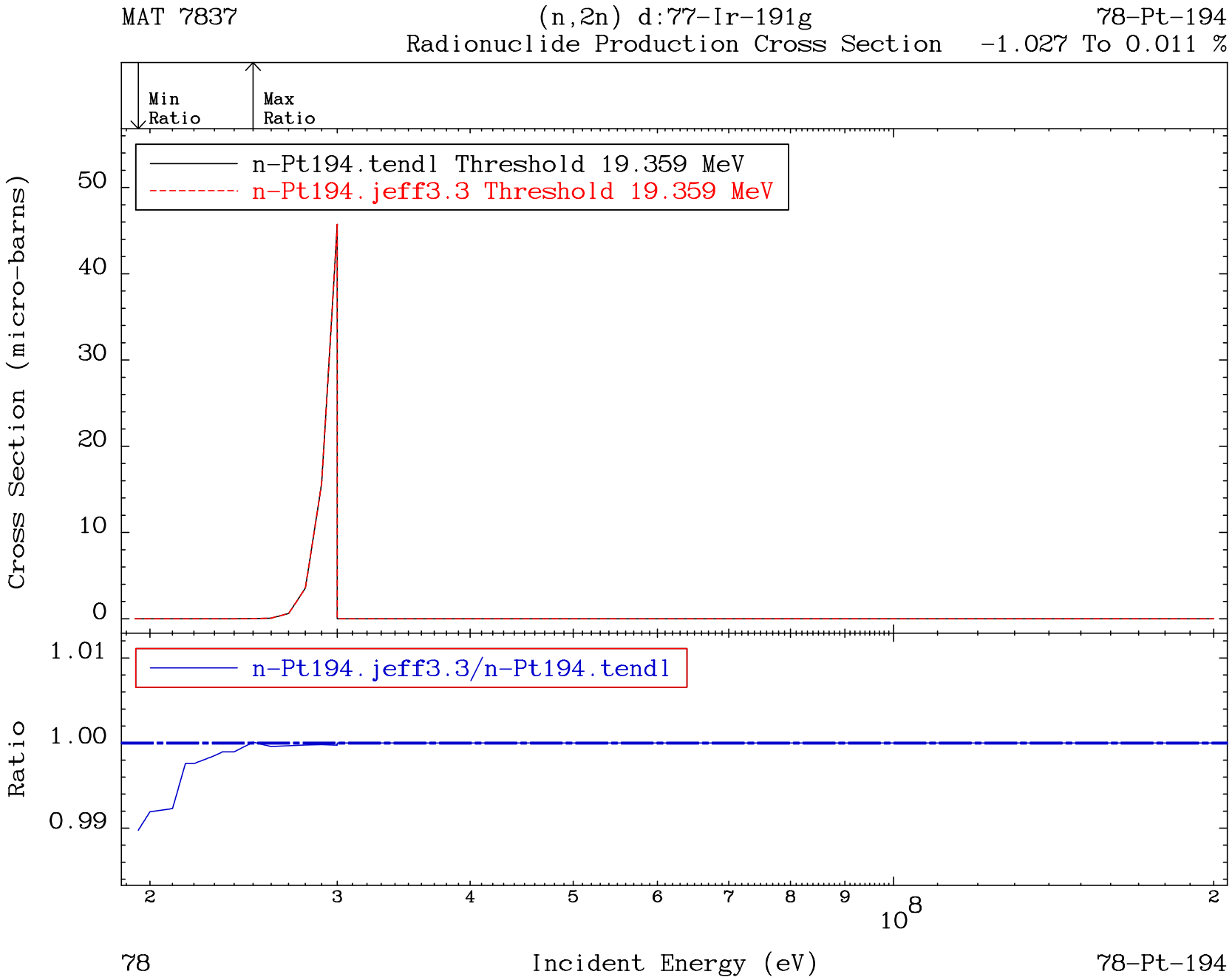

MAT 7837
Total kinematic kerma (high limit)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
73
78-Pt-194

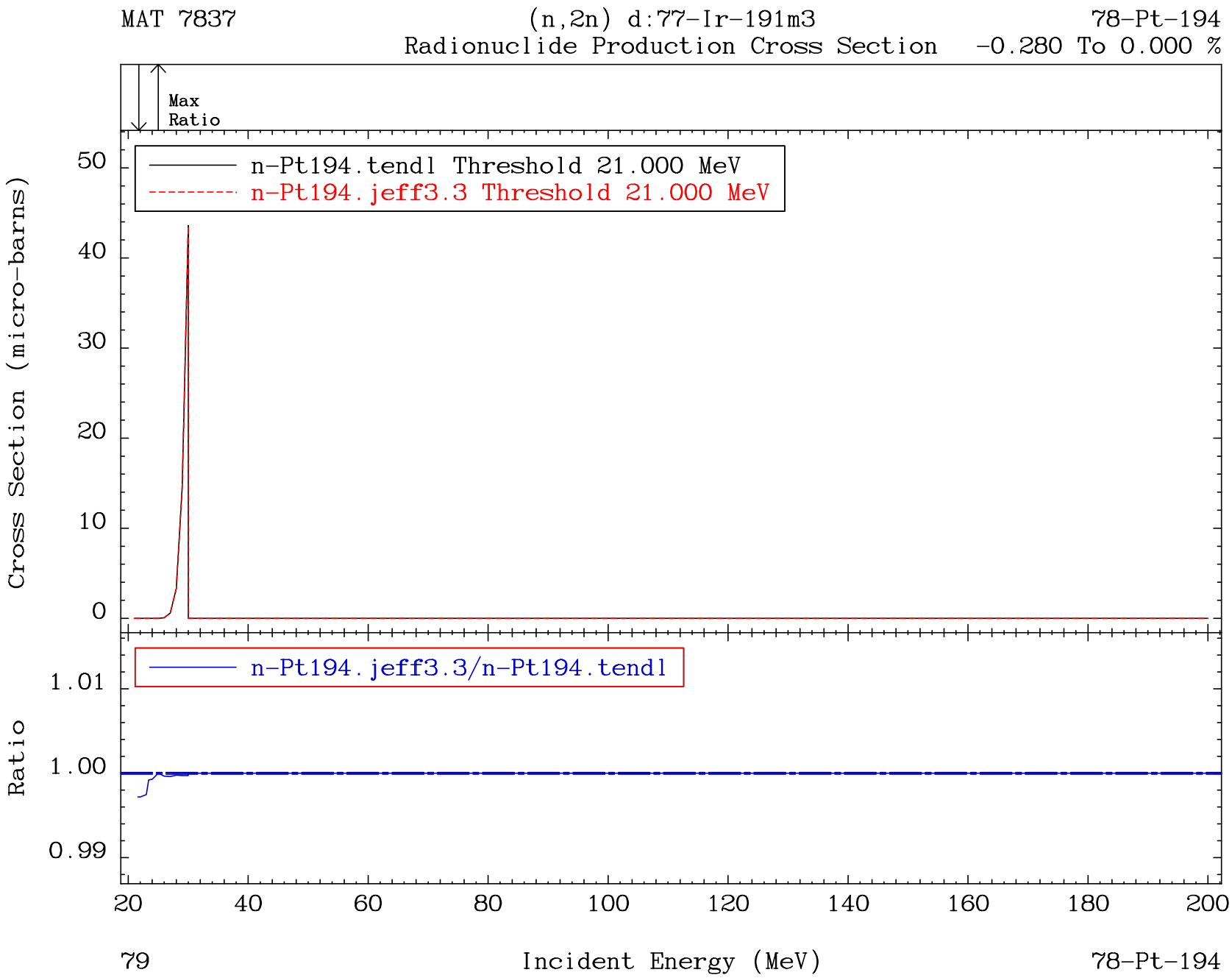

MAT 7837
Dpa total (eV-barns)
Cross Section
78-Pt-194
-99.64 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
74
Incident Energy (eV)
78-Pt-194

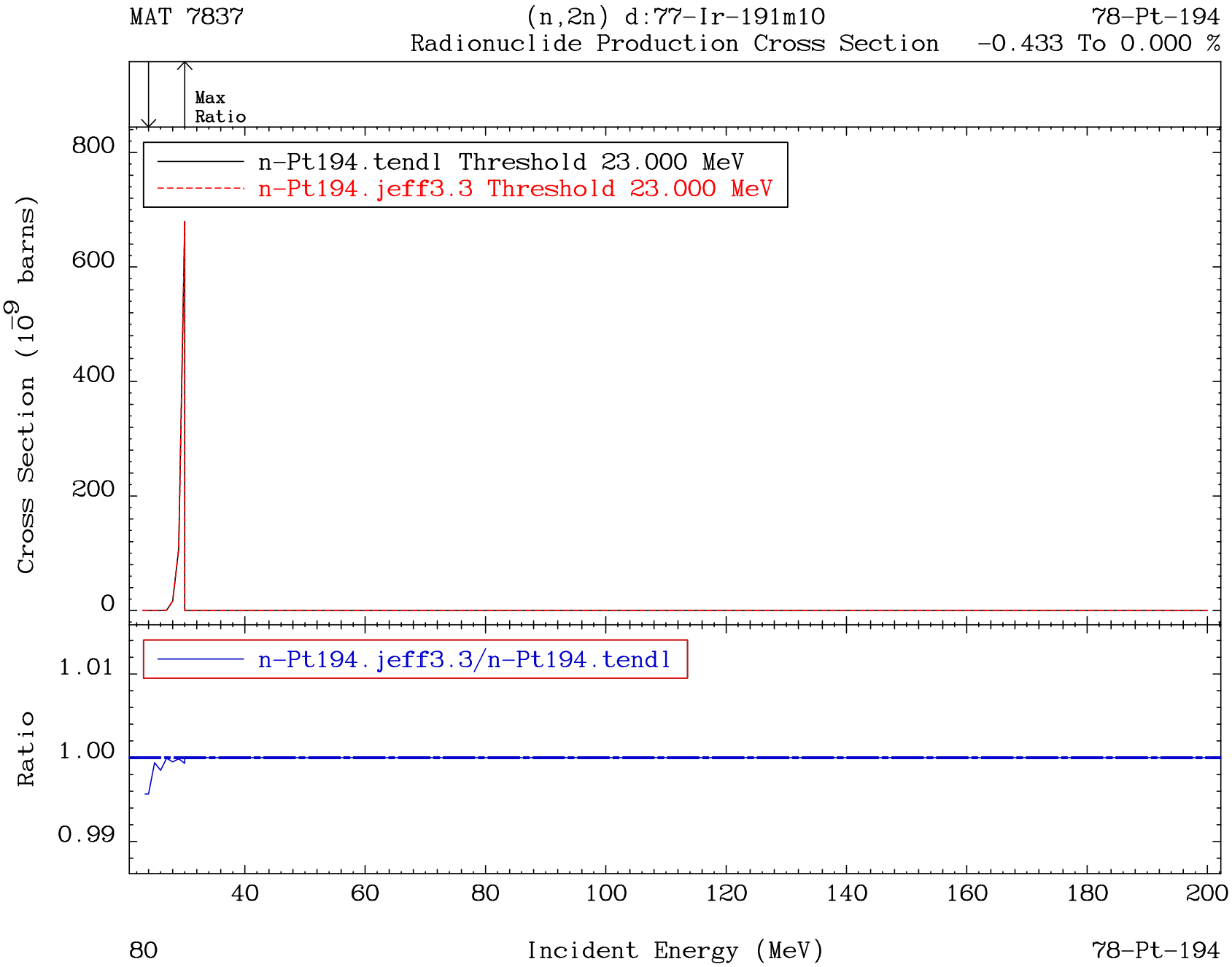

MAT 7837
Dpa elastic (mt2)
Cross Section
78-Pt-194
-99.79 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 1.2100 keV
n-Pt194.jeff3.3 Threshold 1.2104 keV
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
75
78-Pt-194

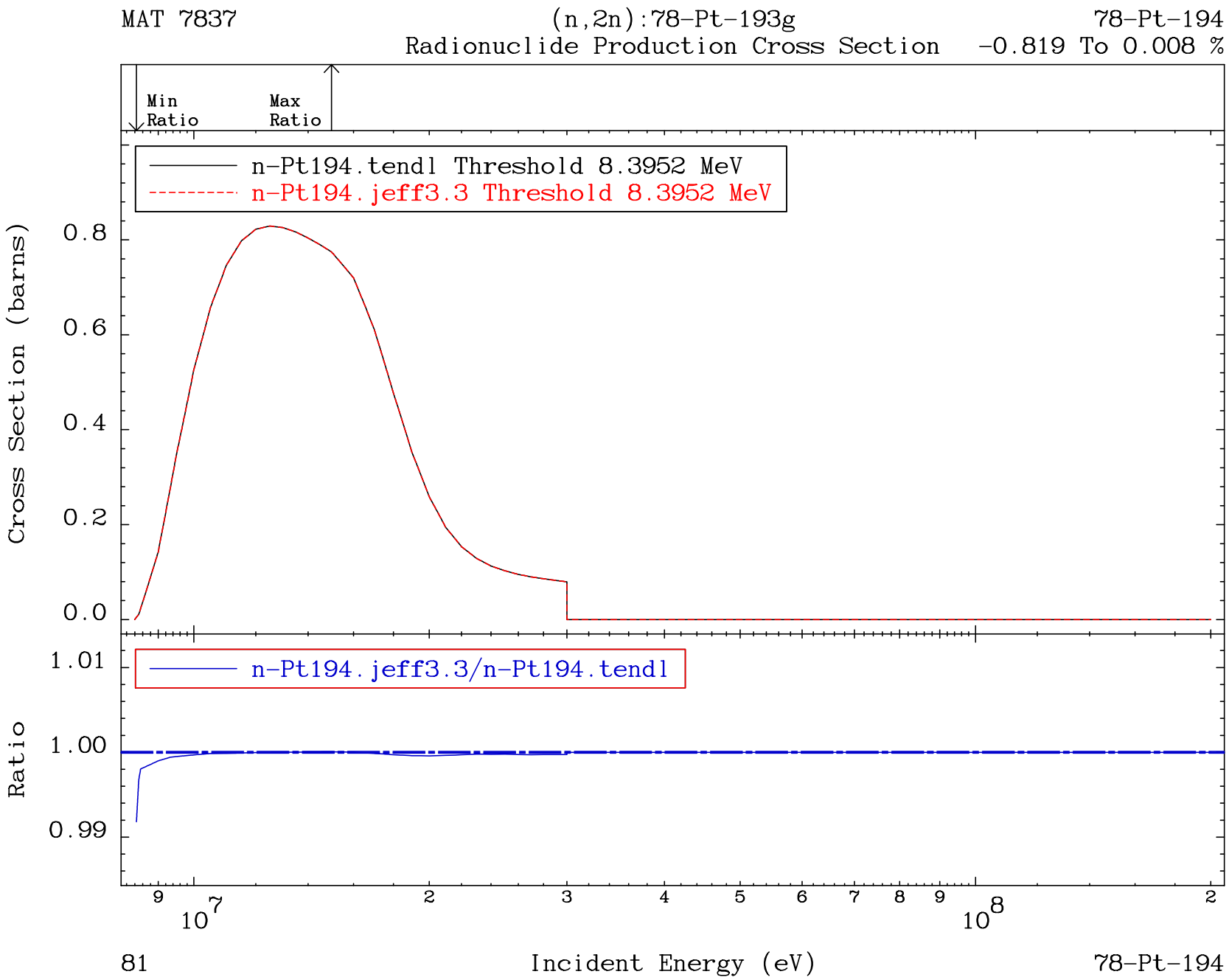

MAT 7837
Dpa inelastic (mt51-91)
Cross Section
78-Pt-194
-0.020 To 0.020 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 350.00 keV
n-Pt194.jeff3.3 Threshold 350.00 keV
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
Incident Energy (eV)
76
78-Pt-194

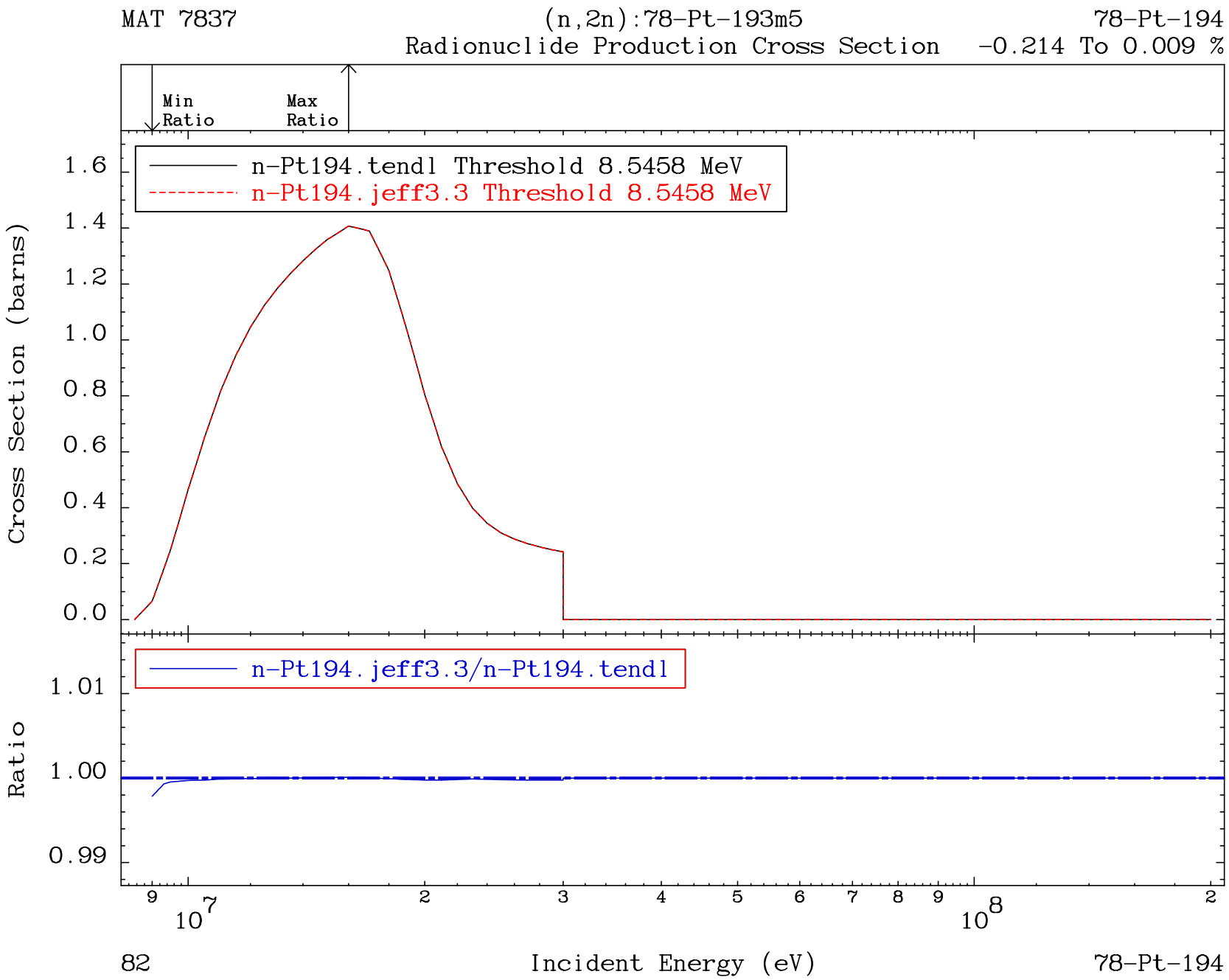

MAT 7837
Dpa disappearance (mt102 -120)
Cross Section
78-Pt-194
-99.99 To 9999. %
Min Ratio
Max Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
77
78-Pt-194

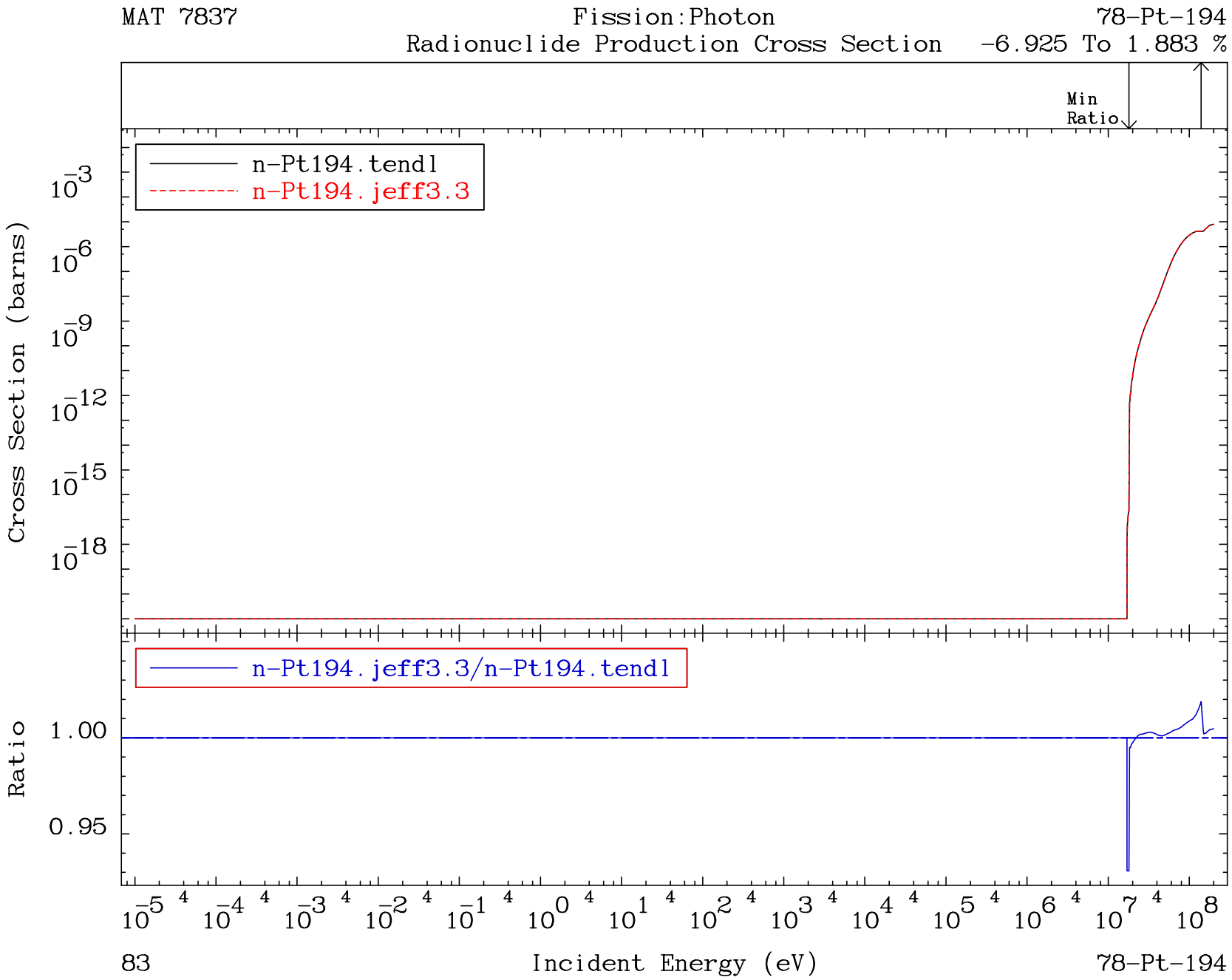

MAT 7837
(n,2n) d:77-Ir-191g
78-Pt-194
Radionuclide Production Cross Section -1.027 To 0.011 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 19.359 MeV
n-Pt194.jeff3.3 Threshold 19.359 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
78-Pt-194

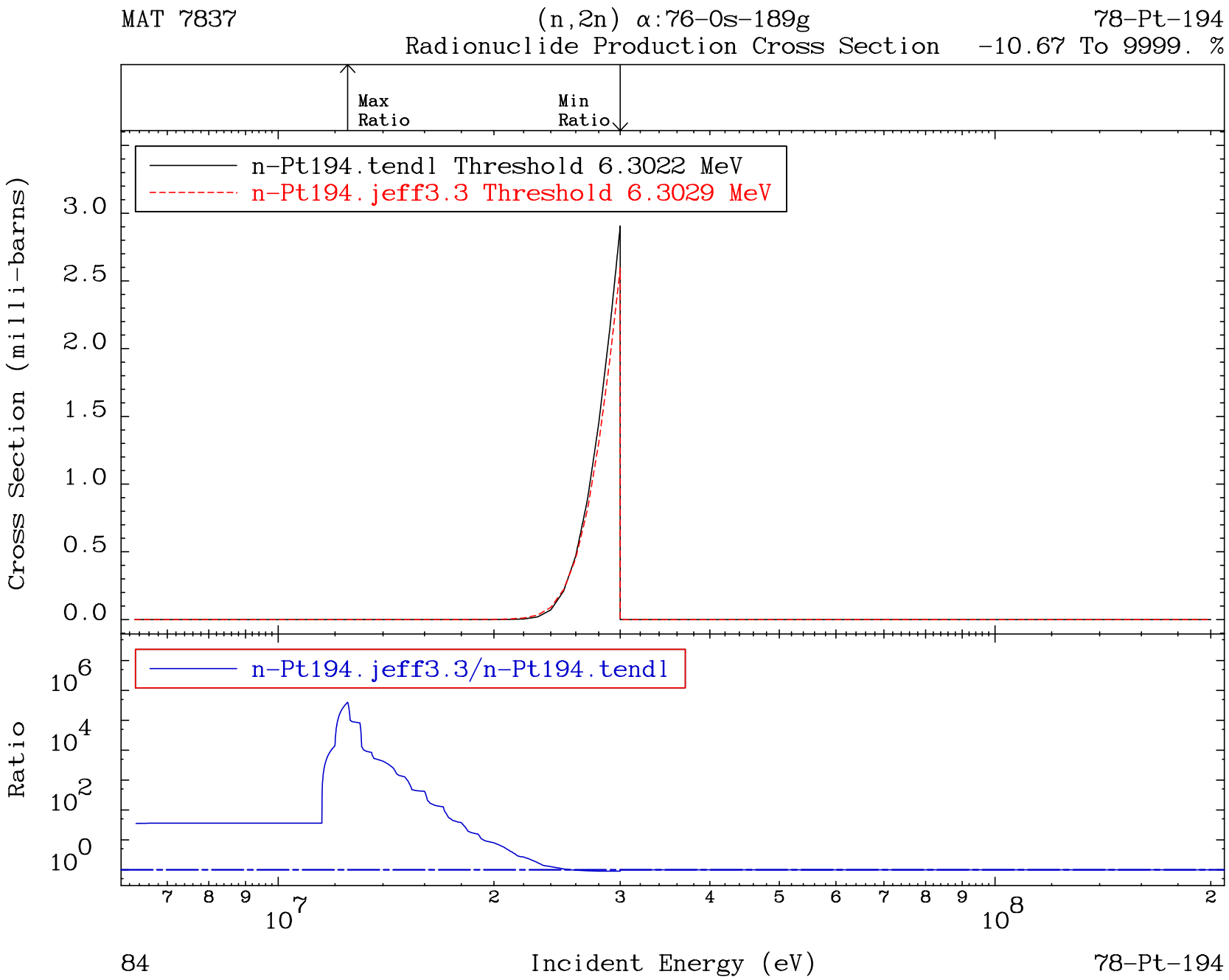

MAT 7837
(n,2n) d:77-Ir-191m3
78-Pt-194
Radionuclide Production Cross Section
-0.280 To 0.000 %
Max
Ratio
n-Pt194.tendl Threshold 21.000 MeV
n-Pt194.jeff3.3 Threshold 21.000 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
78-Pt-194

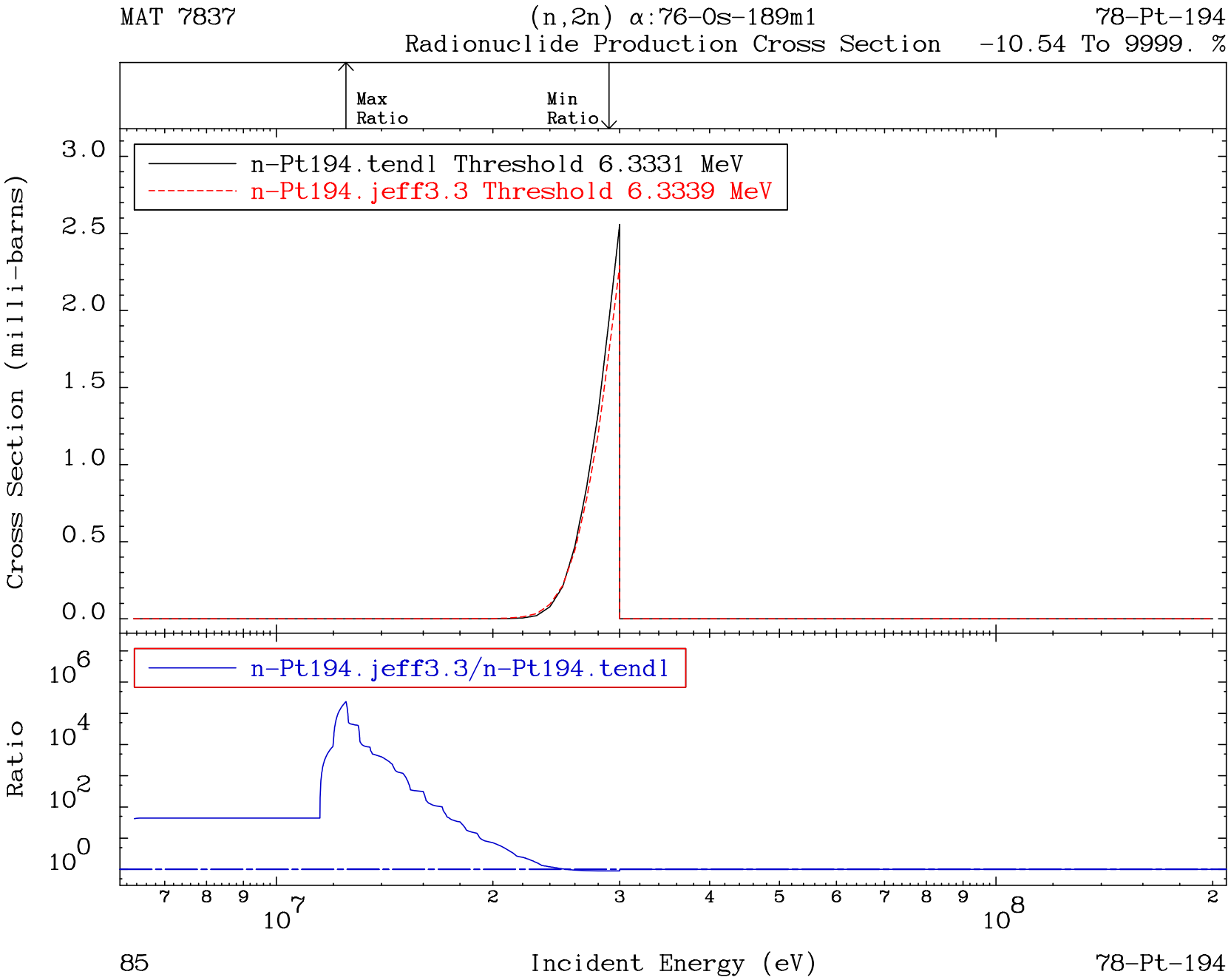

MAT 7837
(n,2n) d:77-Ir-191m10
78-Pt-194
Radionuclide Production Cross Section
-0.433 To 0.000 %
Max
Ratio
n-Pt194.tendl Threshold 23.000 MeV
n-Pt194.jeff3.3 Threshold 23.000 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
78-Pt-194

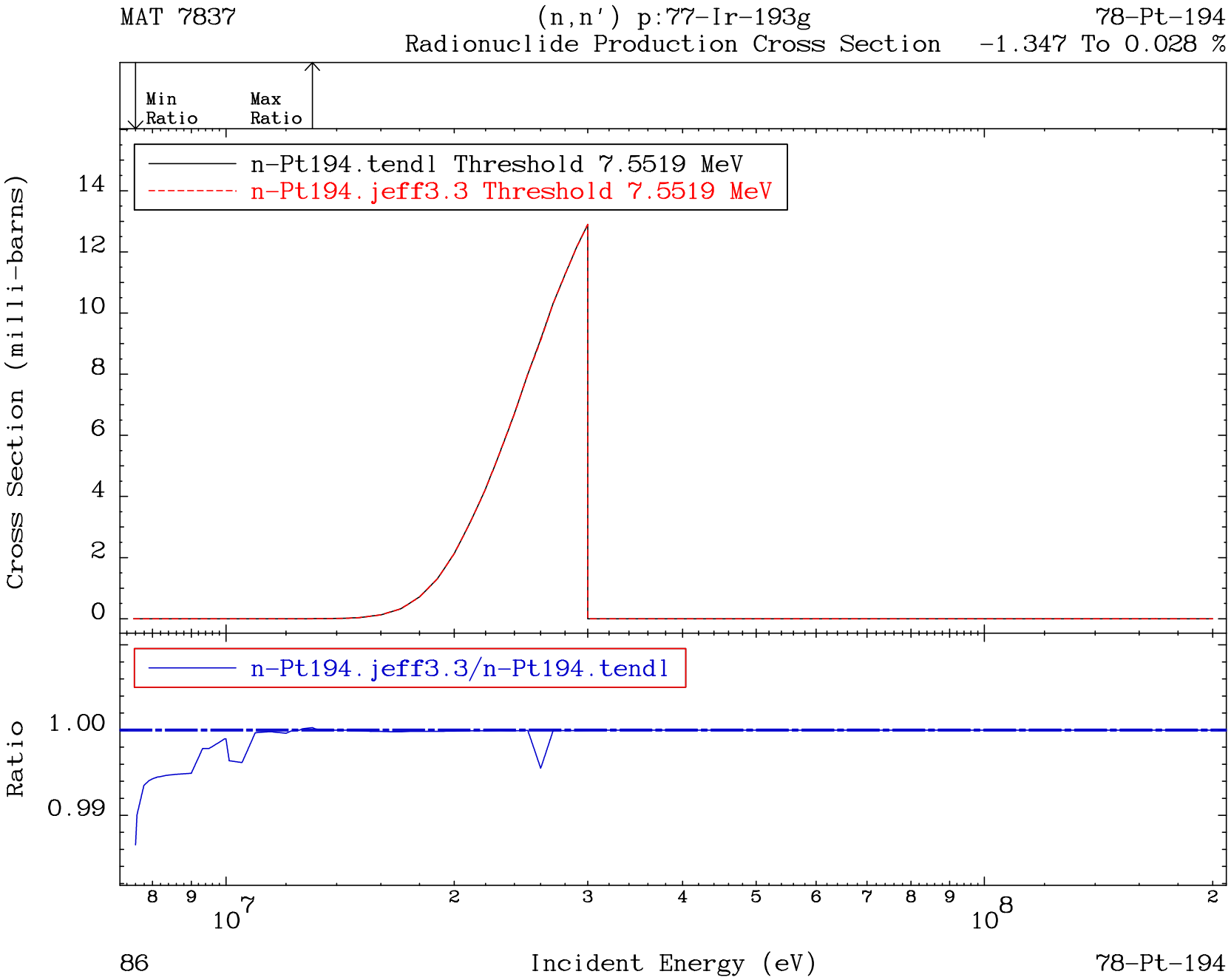

MAT 7837
(n,2n):78-Pt-193g
78-Pt-194
Radionuclide Production Cross Section
-0.819 To 0.008 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 8.3952 MeV
n-Pt194.jeff3.3 Threshold 8.3952 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
78-Pt-194

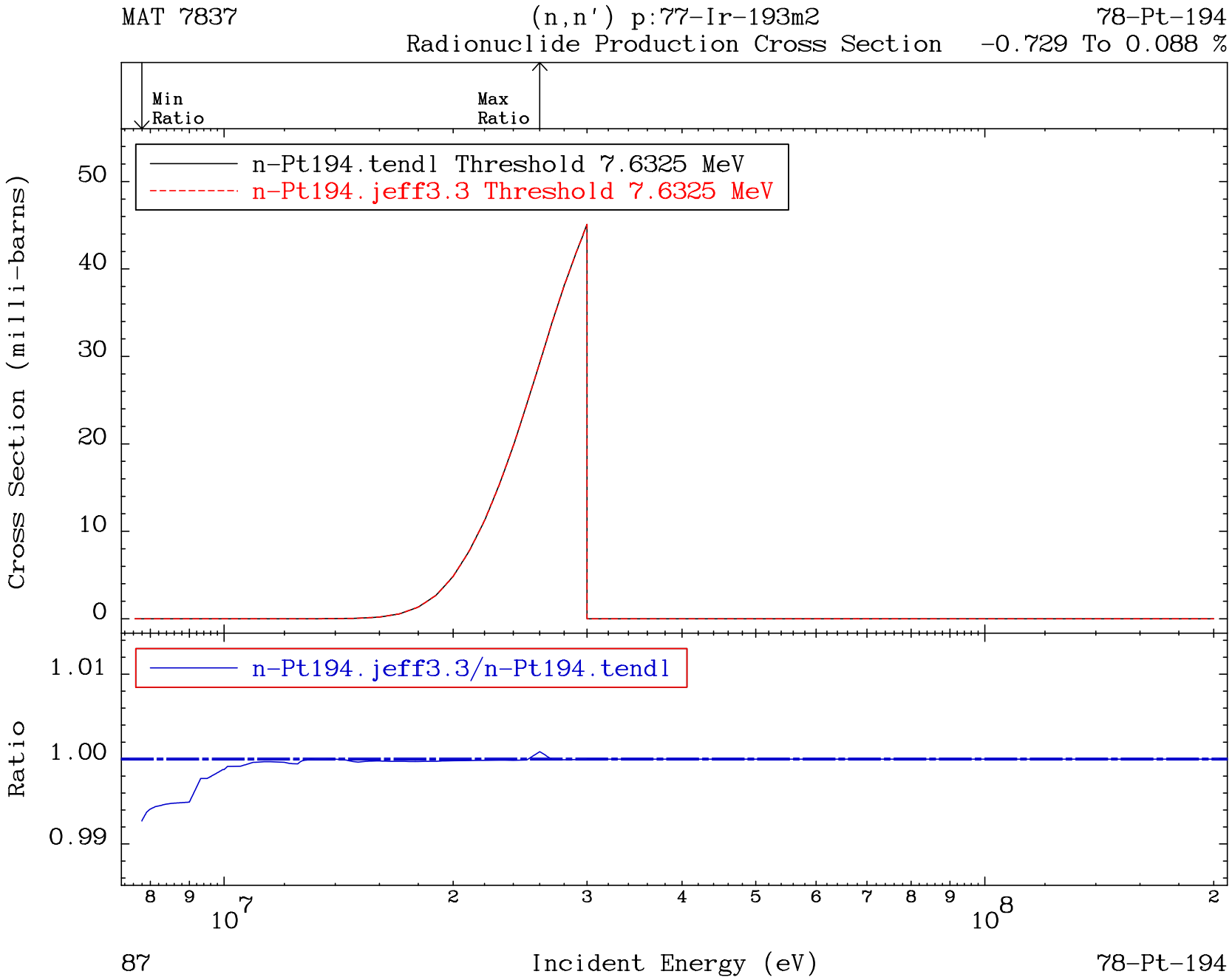

MAT 7837
(n,2n):78-Pt-193m5
78-Pt-194
Radionuclide Production Cross Section
-0.214 To 0.009 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 8.5458 MeV
n-Pt194.jeff3.3 Threshold 8.5458 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
78-Pt-194

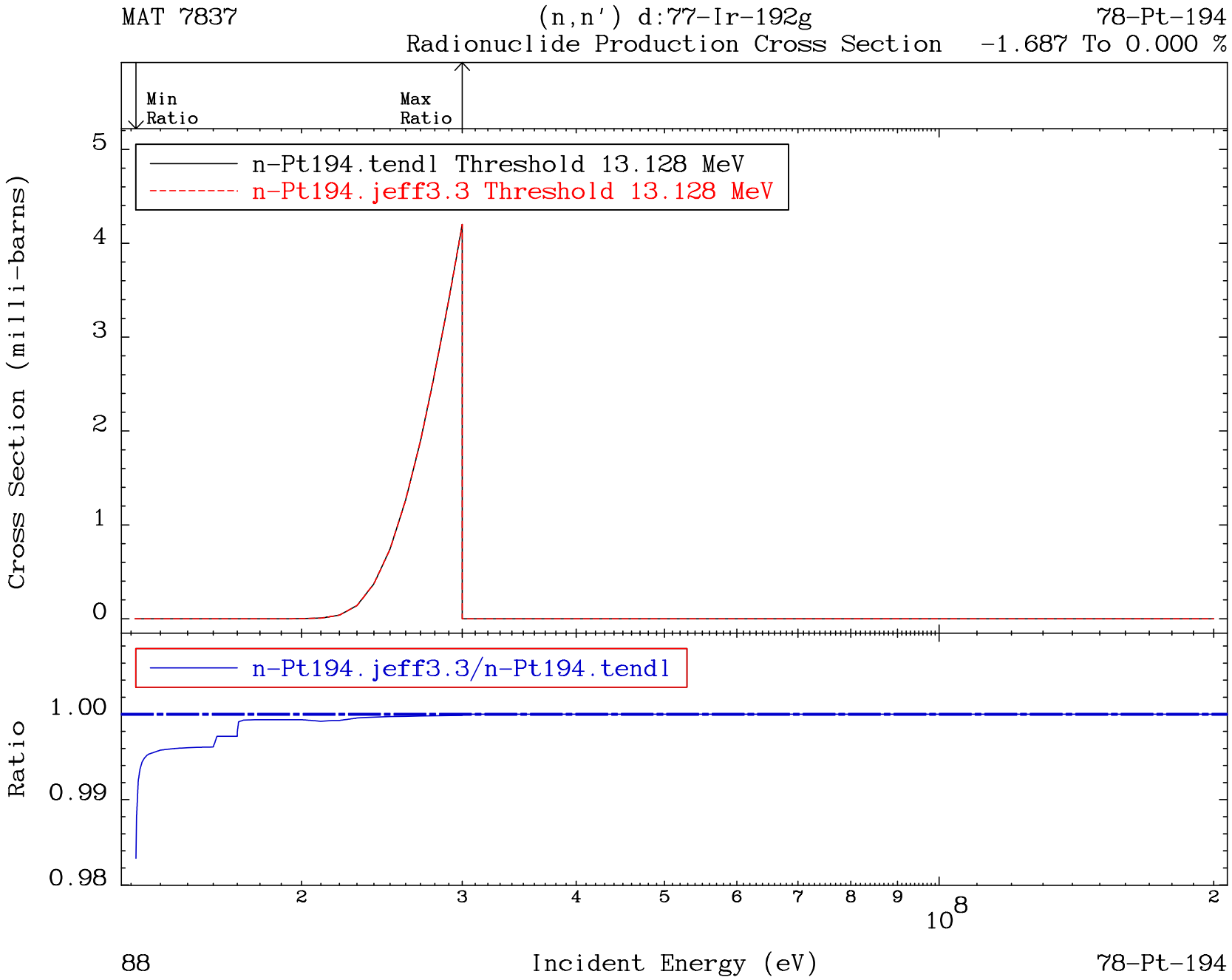

MAT 7837
Fission:Photon
78-Pt-194
Radionuclide Production Cross Section
-6.925 To 1.883 %
Min Ratio
n-Pt194.tendl
n-Pt194.jeff3.3
Cross Section (barns)
10-3
10-6
10-9
10-12
10-15
10-18
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.95
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
83
Incident Energy (eV)
78-Pt-194

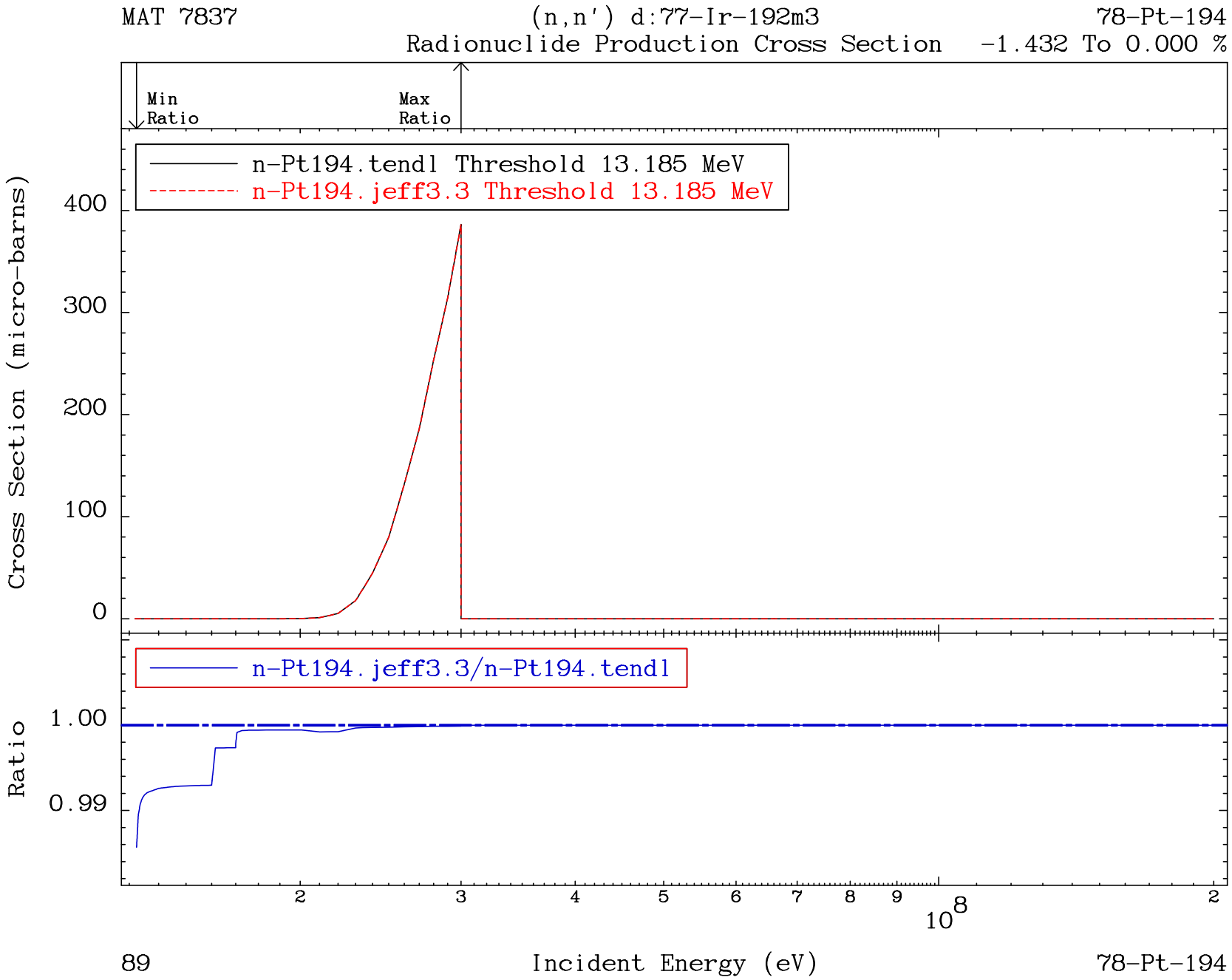

MAT 7837
(n,2n) α:76-0s-189g
78-Pt-194
Radionuclide Production Cross Section -10.67 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 6.3022 MeV
n-Pt194.jeff3.3 Threshold 6.3029 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
84
Incident Energy (eV)
78-Pt-194

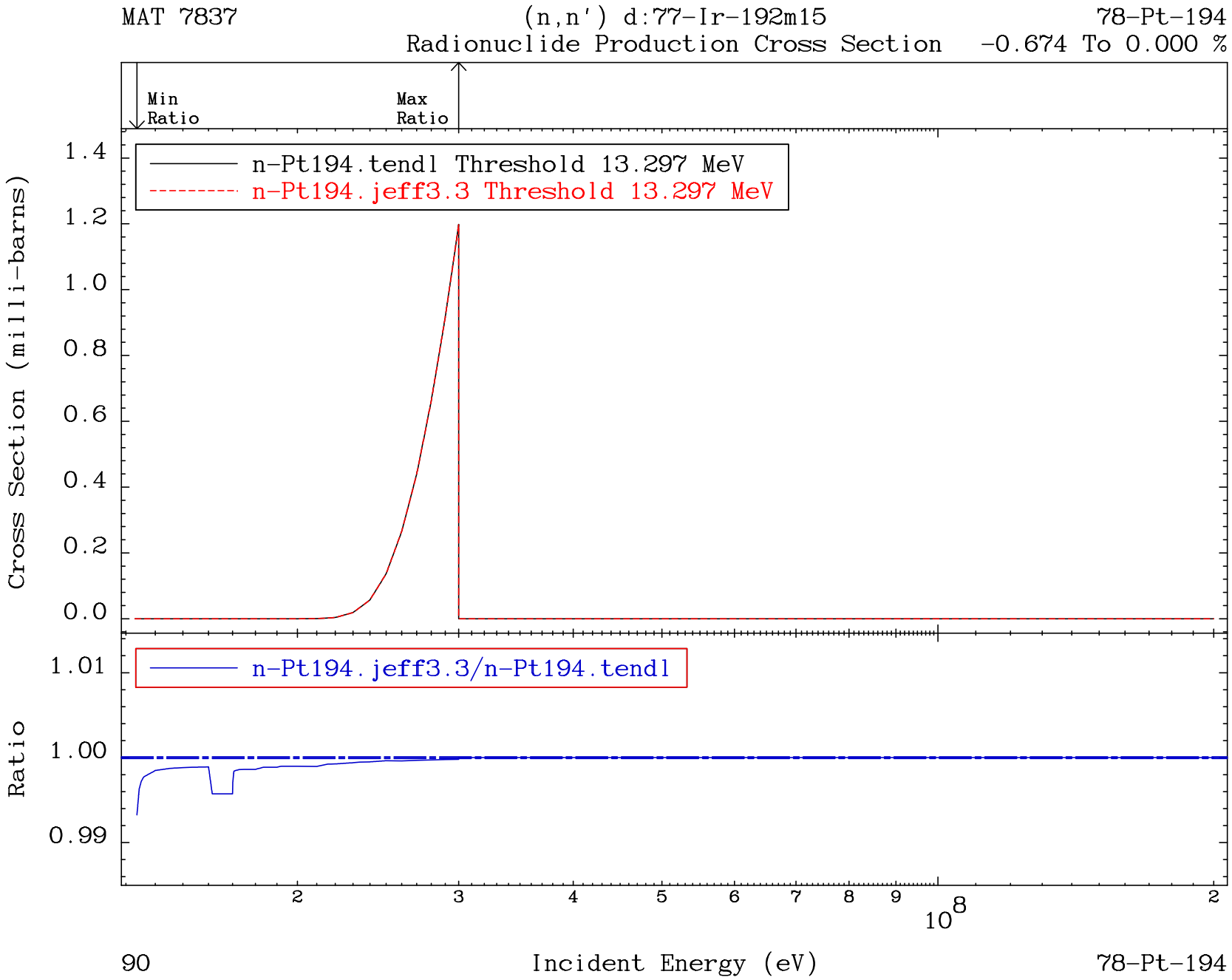

MAT 7837
(n,2n) α:76-Os-189m1
78-Pt-194
Radionuclide Production Cross Section -10.54 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 6.3331 MeV
n-Pt194.jeff3.3 Threshold 6.3339 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
85
Incident Energy (eV)
78-Pt-194

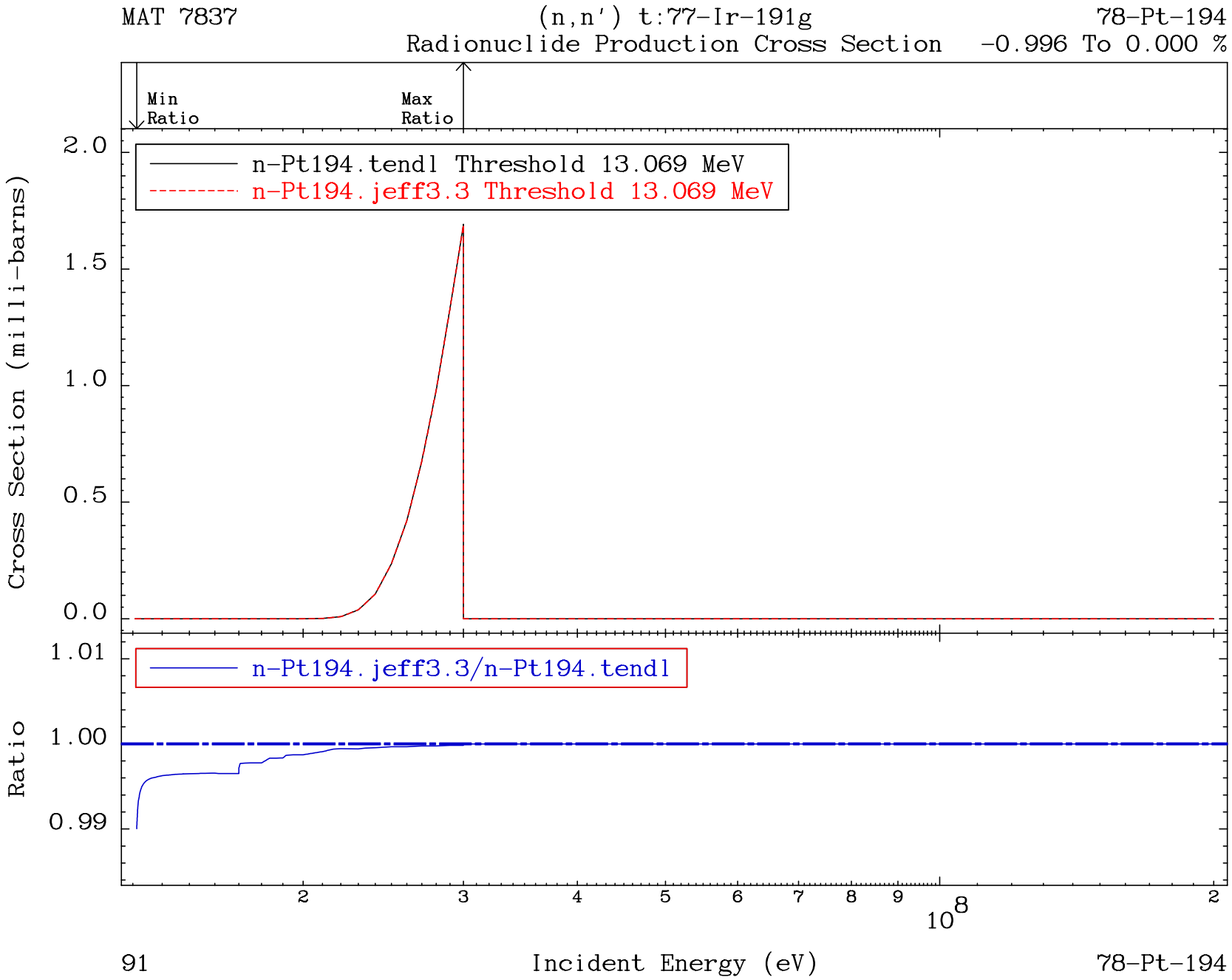

MAT 7837
(n,n') p:77-Ir-193g
78-Pt-194
Radionuclide Production Cross Section -1.347 To 0.028 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 7.5519 MeV
n-Pt194.jeff3.3 Threshold 7.5519 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
86
Incident Energy (eV)
78-Pt-194

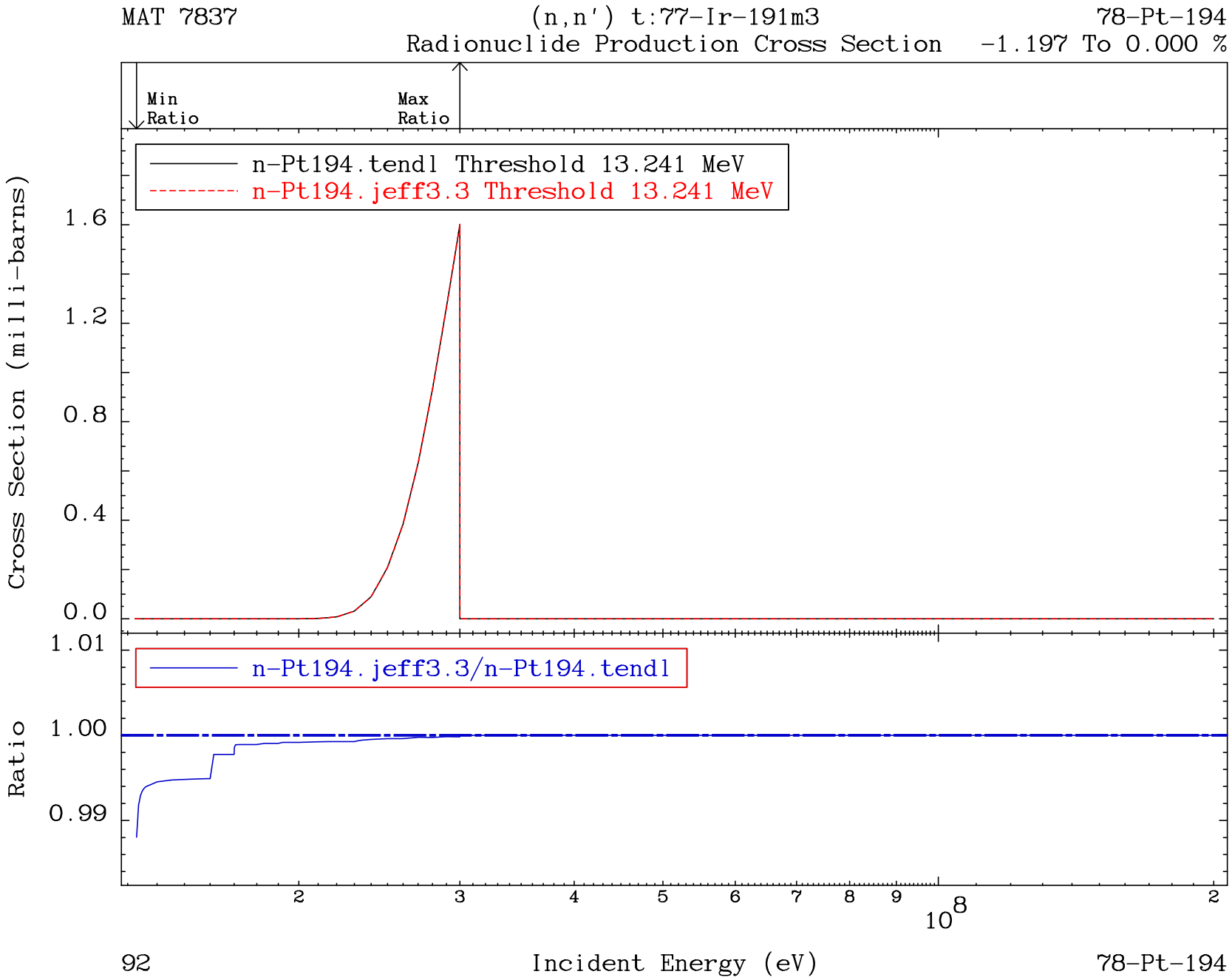

MAT 7837
(n,n') p:77-Ir-193m2
78-Pt-194
Radionuclide Production Cross Section -0.729 To 0.088 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 7.6325 MeV
n-Pt194.jeff3.3 Threshold 7.6325 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
87
Incident Energy (eV)
78-Pt-194

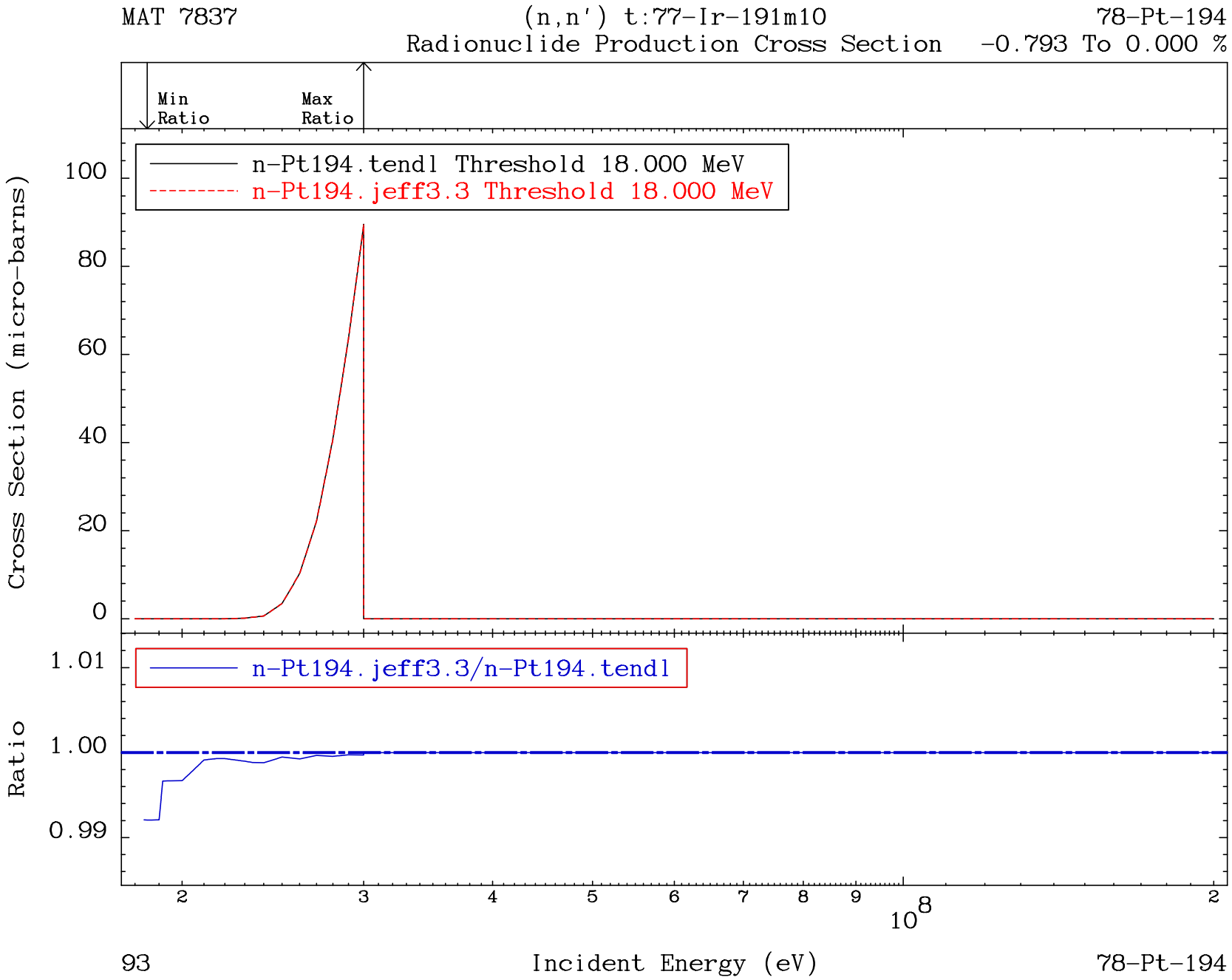

MAT 7837
(n,n') d:77-Ir-192g
78-Pt-194
Radionuclide Production Cross Section -1.687 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.128 MeV
n-Pt194.jeff3.3 Threshold 13.128 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
0.98
0.99
1.00
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
78-Pt-194

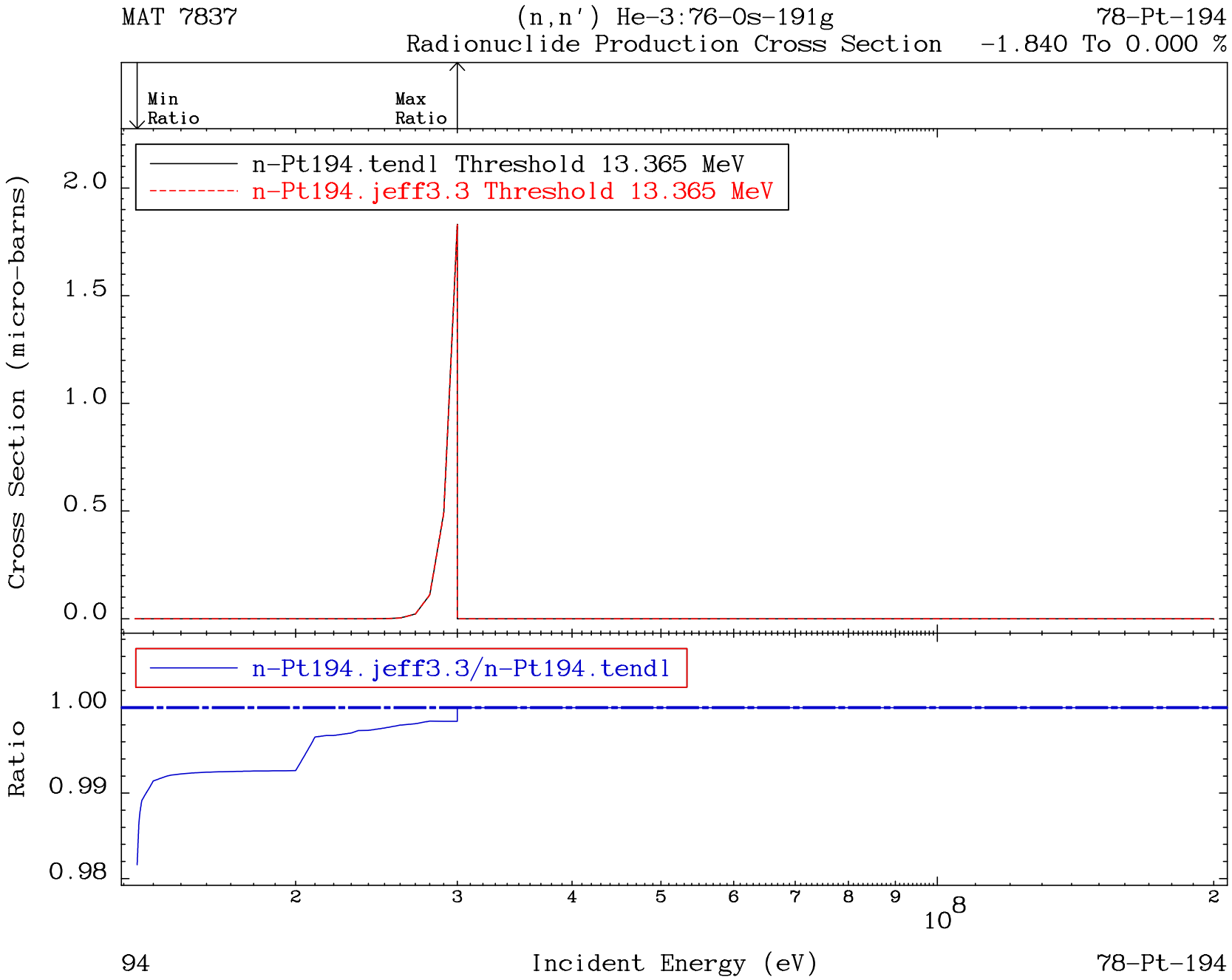

MAT 7837
(n,n') d:77-Ir-192m3
78-Pt-194
Radionuclide Production Cross Section -1.432 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.185 MeV
n-Pt194.jeff3.3 Threshold 13.185 MeV
Cross Section (micro-barns)
400
300
200
100
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
78-Pt-194

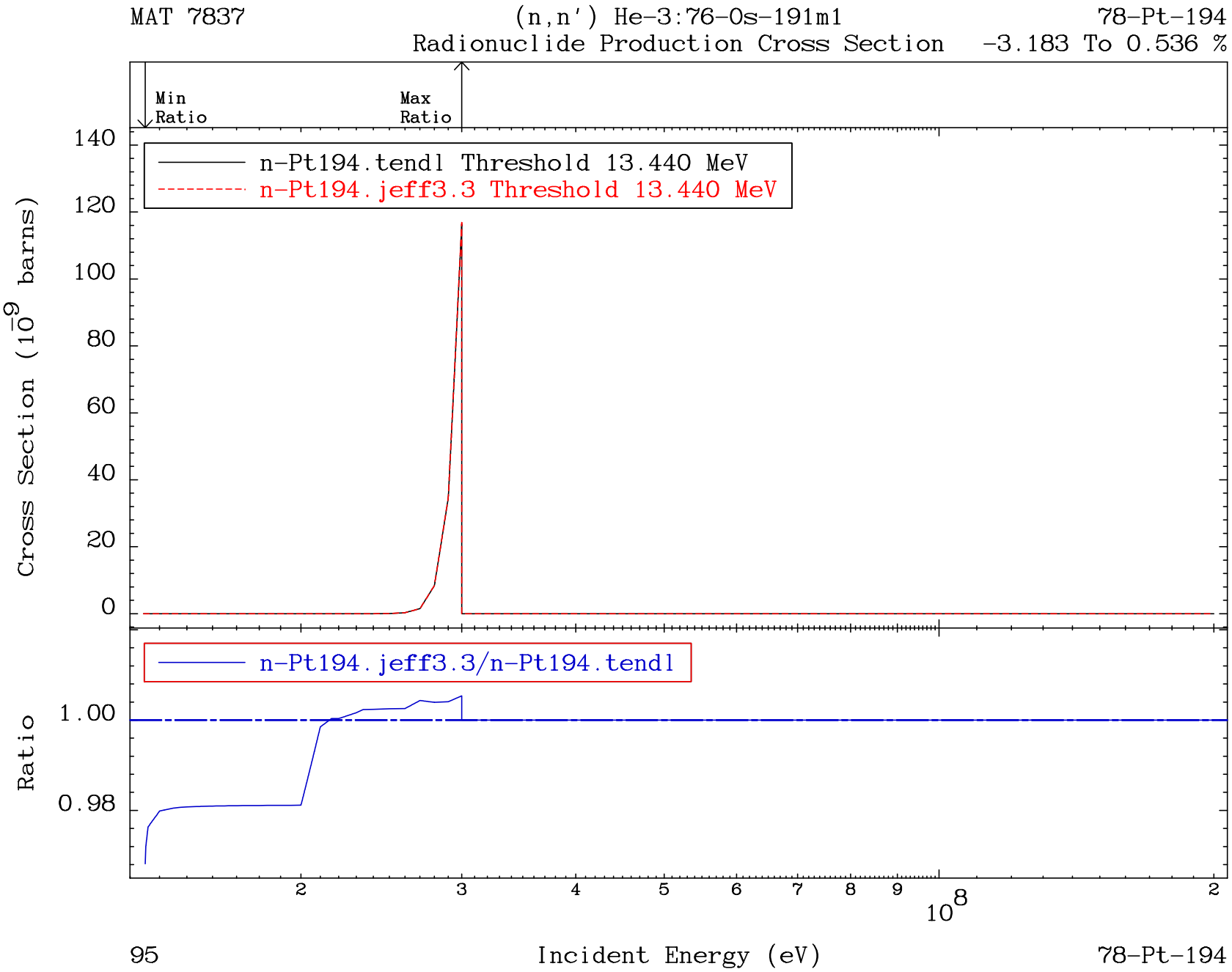

MAT 7837
(n,n') d:77-Ir-192m15
78-Pt-194
Radionuclide Production Cross Section
-0.674 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.297 MeV
n-Pt194.jeff3.3 Threshold 13.297 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
78-Pt-194

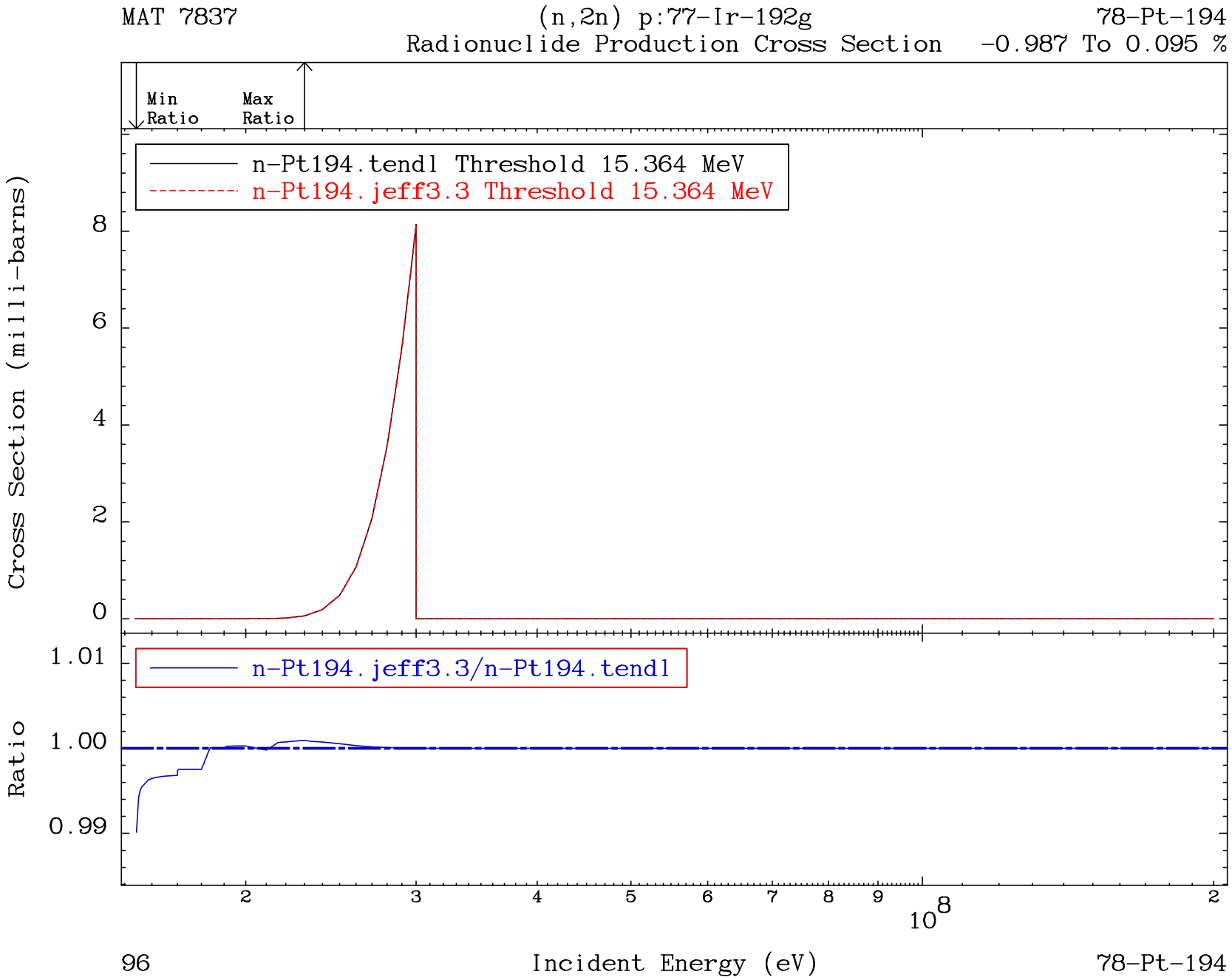

MAT 7837
(n,n') t:77-Ir-191g
78-Pt-194
Radionuclide Production Cross Section
-0.996 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.069 MeV
n-Pt194.jeff3.3 Threshold 13.069 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
78-Pt-194

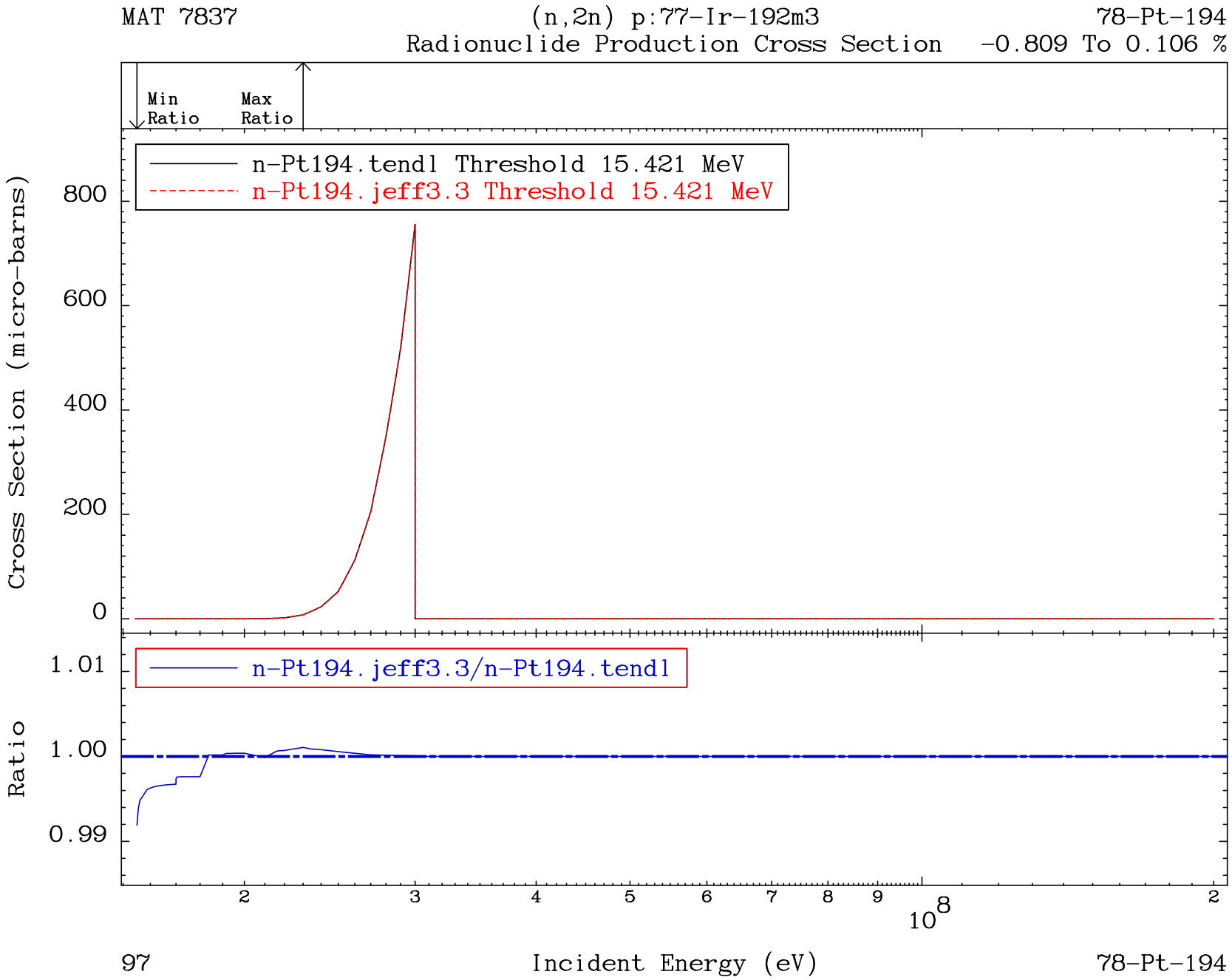

MAT 7837
(n,n') t:77-Ir-191m3
78-Pt-194
Radionuclide Production Cross Section -1.197 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.241 MeV
n-Pt194.jeff3.3 Threshold 13.241 MeV
Cross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
78-Pt-194

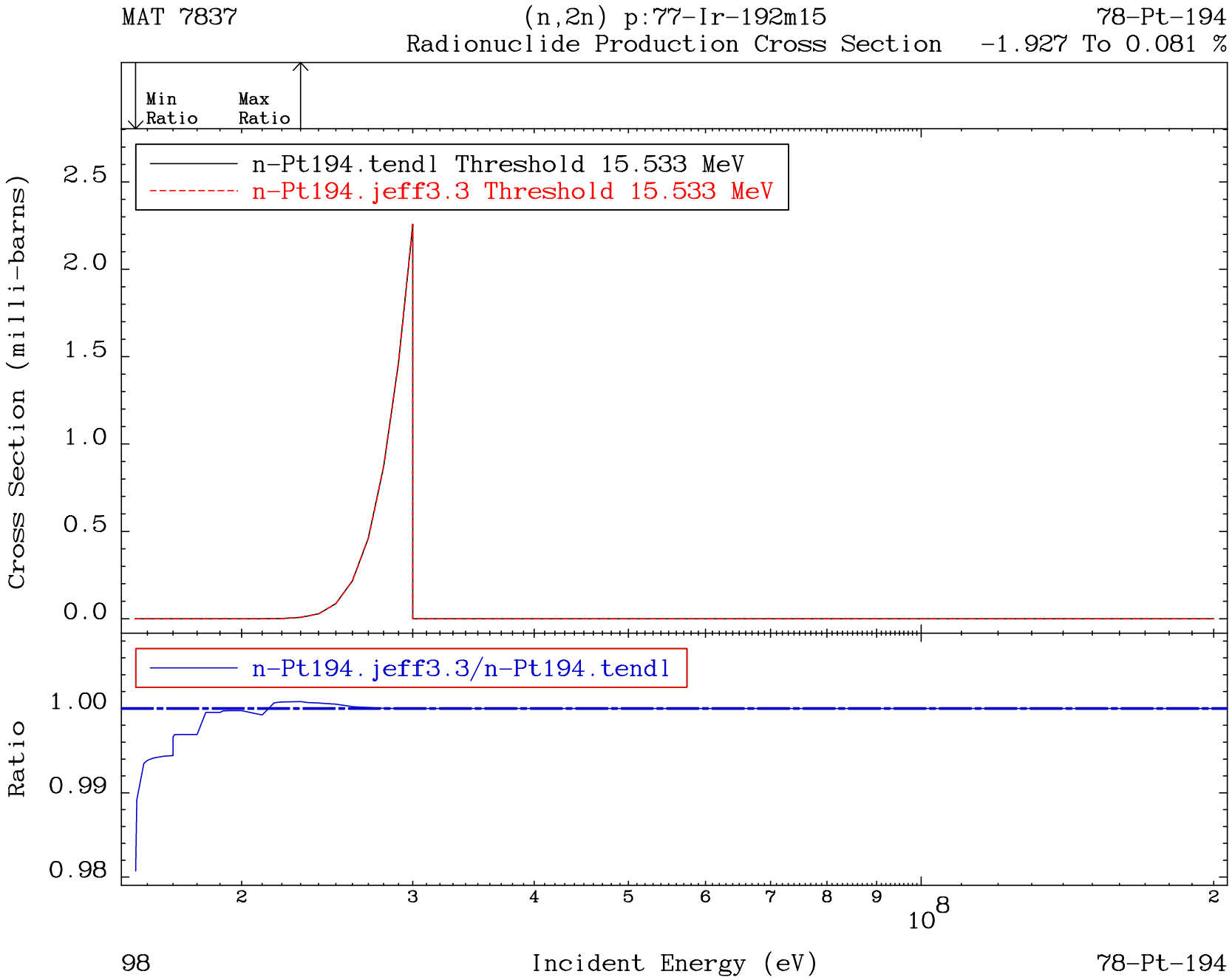

MAT 7837
(n,n') t:77-Ir-191m10
78-Pt-194
Radionuclide Production Cross Section
-0.793 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 18.000 MeV
n-Pt194.jeff3.3 Threshold 18.000 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
78-Pt-194

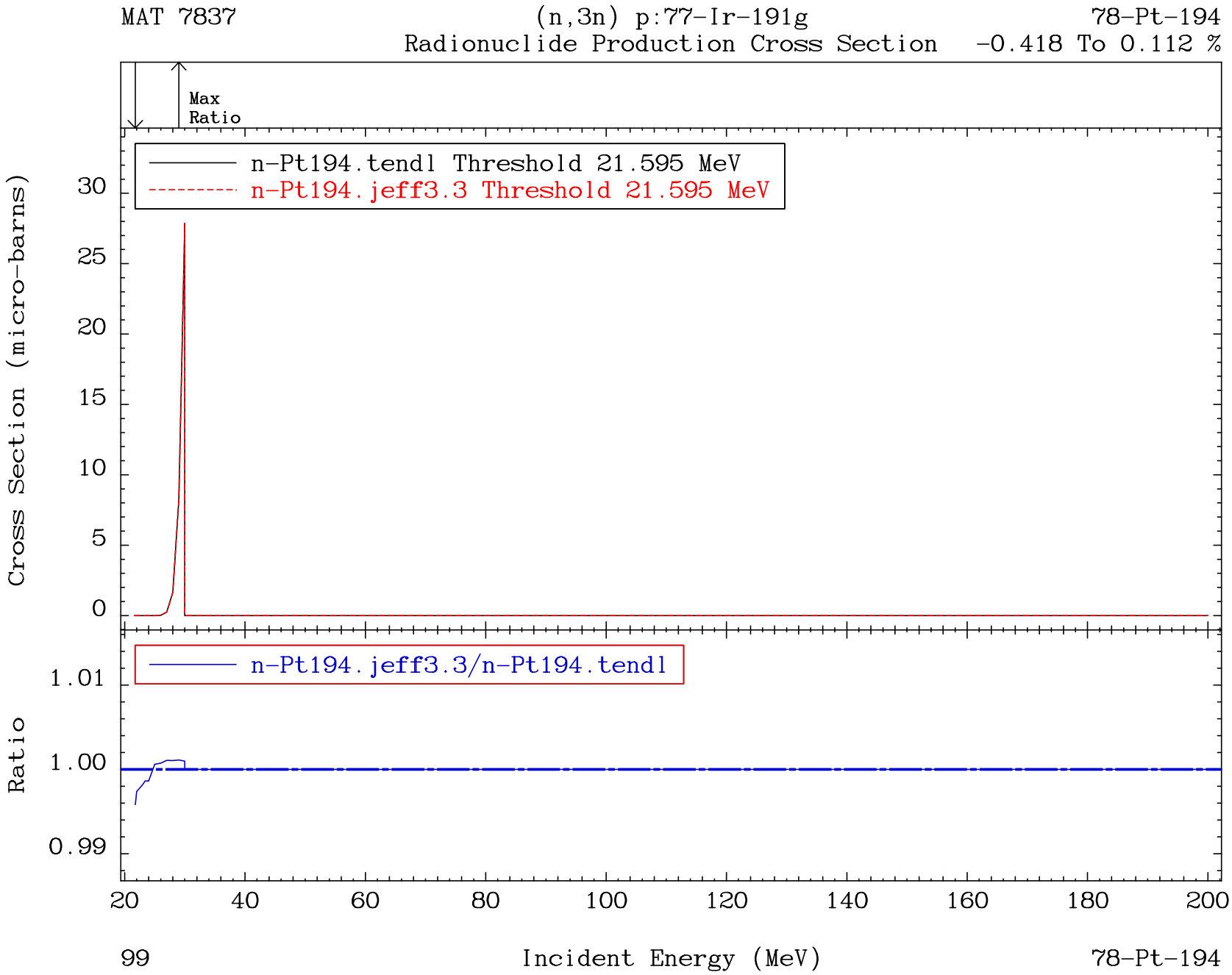

MAT 7837
(n,n') He-3:76-0s-191g
78-Pt-194
Radionuclide Production Cross Section -1.840 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.365 MeV
n-Pt194.jeff3.3 Threshold 13.365 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
78-Pt-194

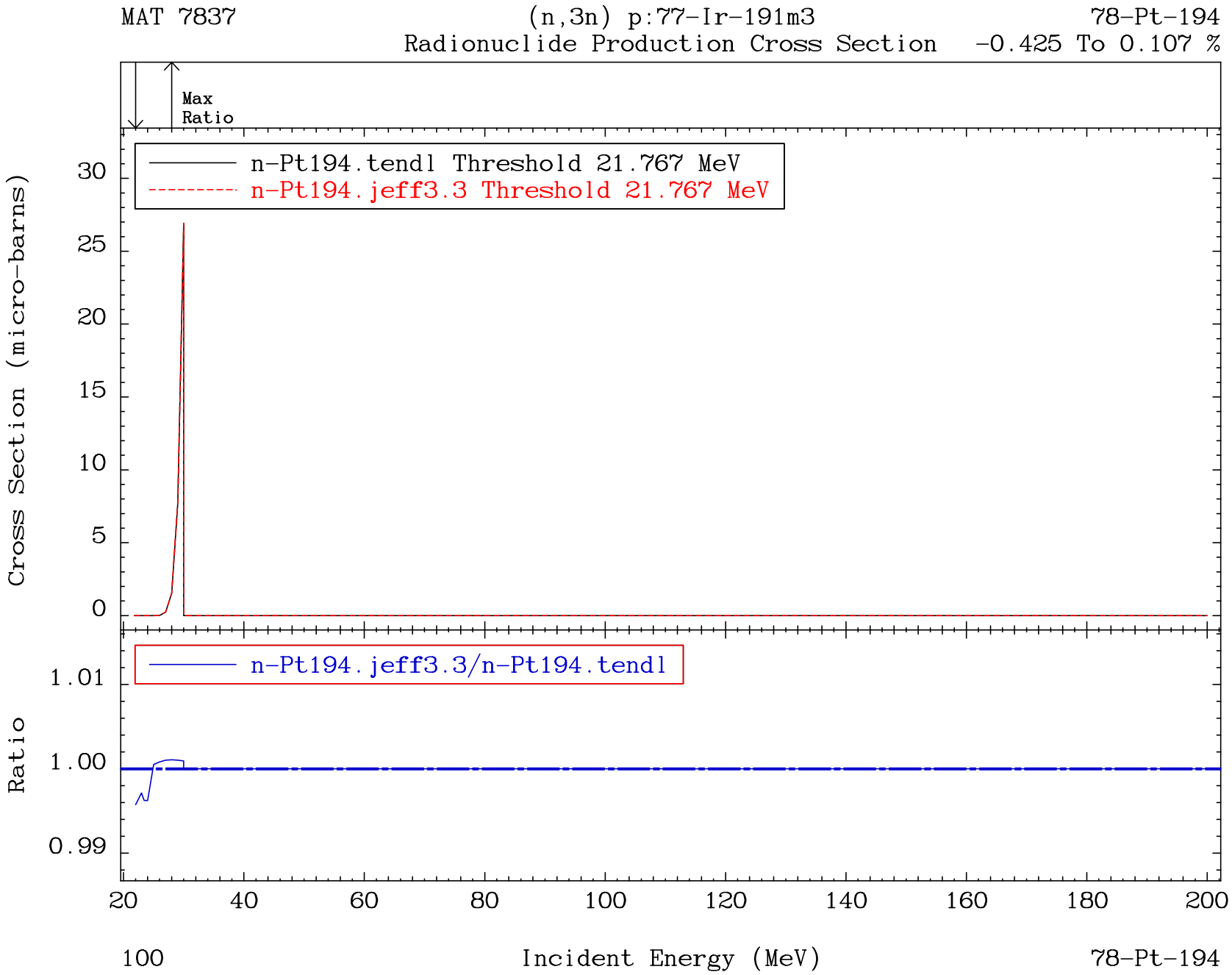

MAT 7837
(n,n') He-3:76-0s-191m1
78-Pt-194
Radionuclide Production Cross Section
-3.183 To 0.536 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.440 MeV
n-Pt194.jeff3.3 Threshold 13.440 MeV
Cross Section (10^{-9} barns)
140
120
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
78-Pt-194

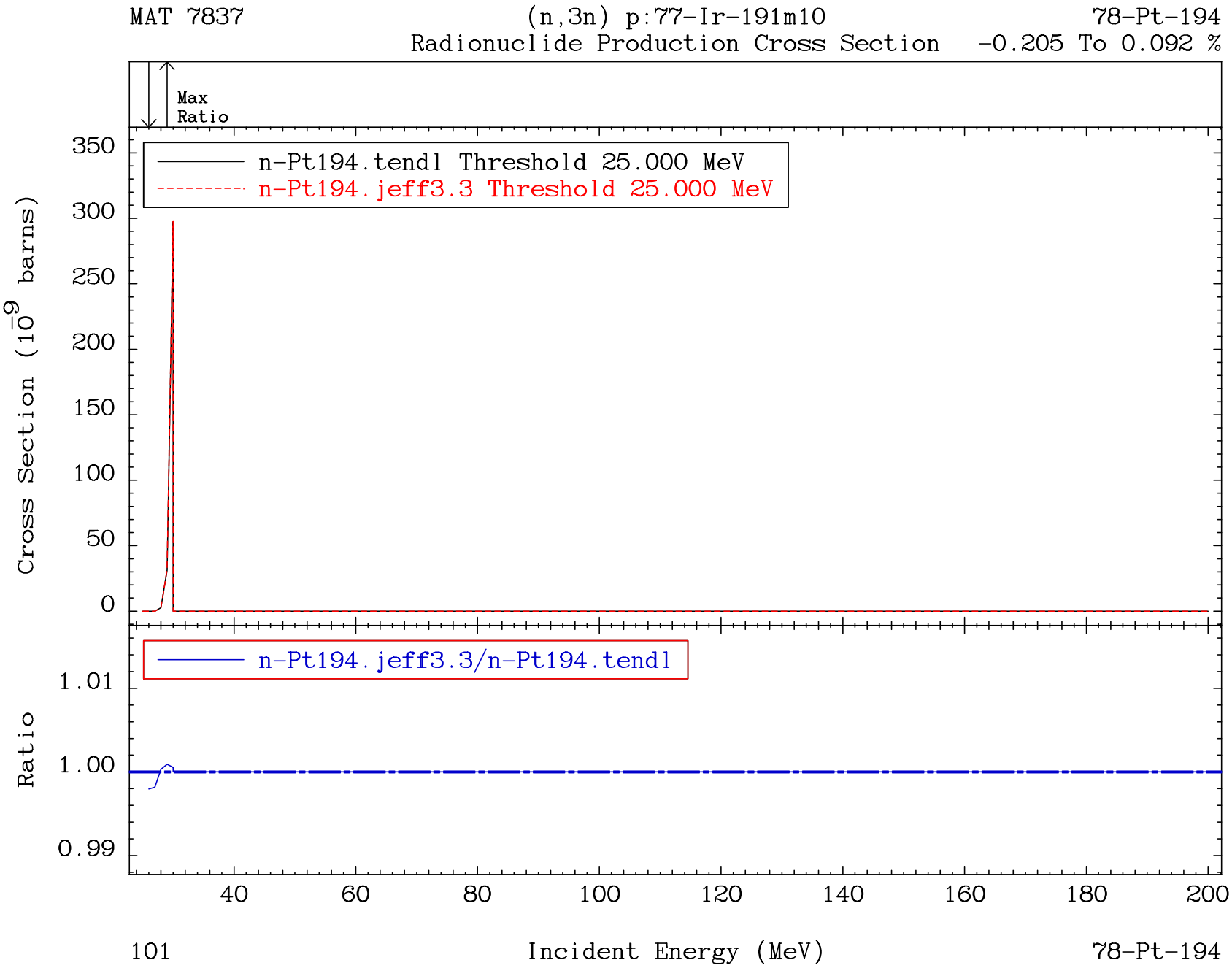

MAT 7837
(n,2n) p:77-Ir-192g
78-Pt-194
Radionuclide Production Cross Section
-0.987 To 0.095 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 15.364 MeV
n-Pt194.jeff3.3 Threshold 15.364 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
78-Pt-194

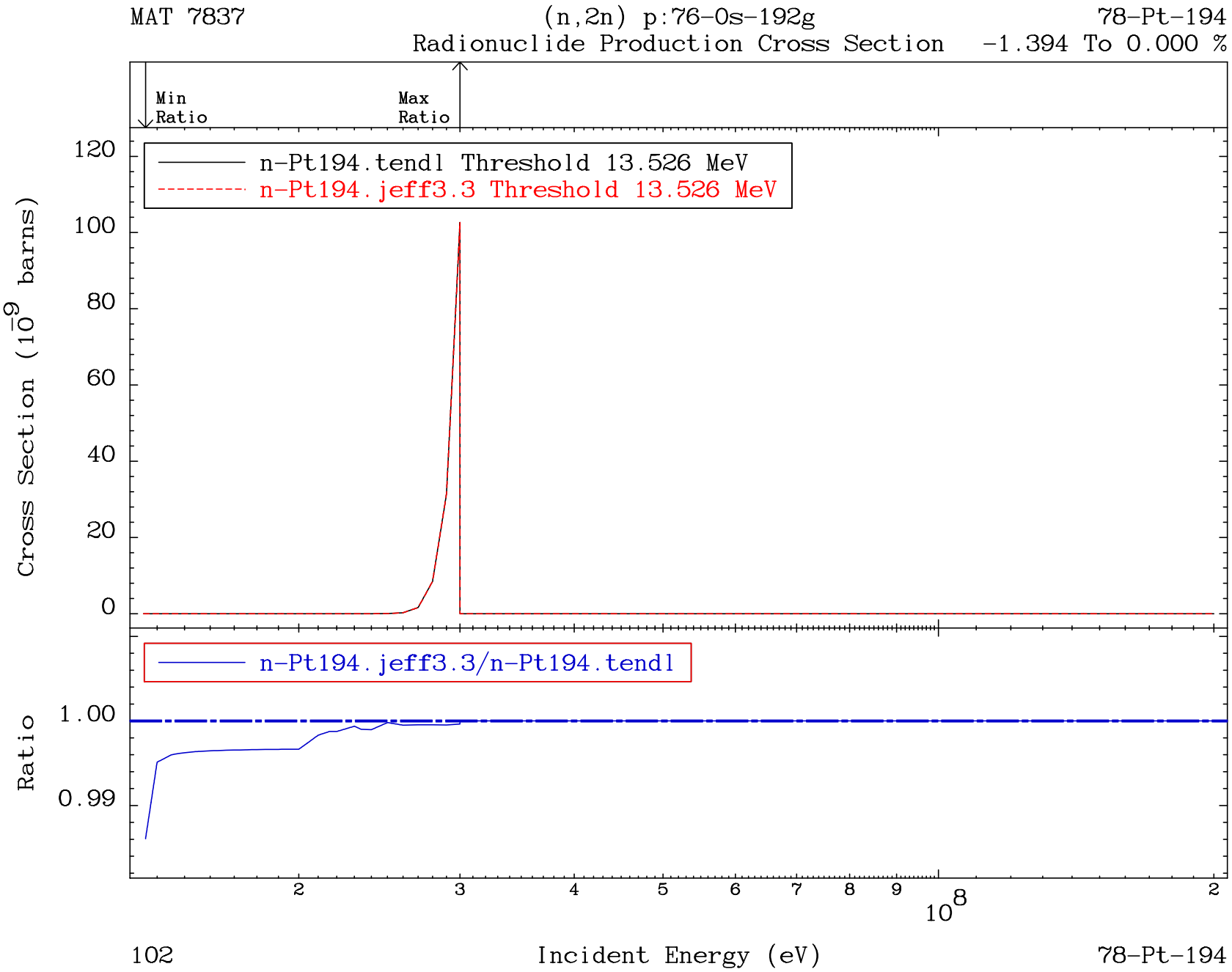

MAT 7837
(n,2n) p:77-Ir-192m3
78-Pt-194
Radionuclide Production Cross Section
-0.809 To 0.106 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 15.421 MeV
n-Pt194.jeff3.3 Threshold 15.421 MeV
Cross Section (micro-barns)
800
600
400
200
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
78-Pt-194

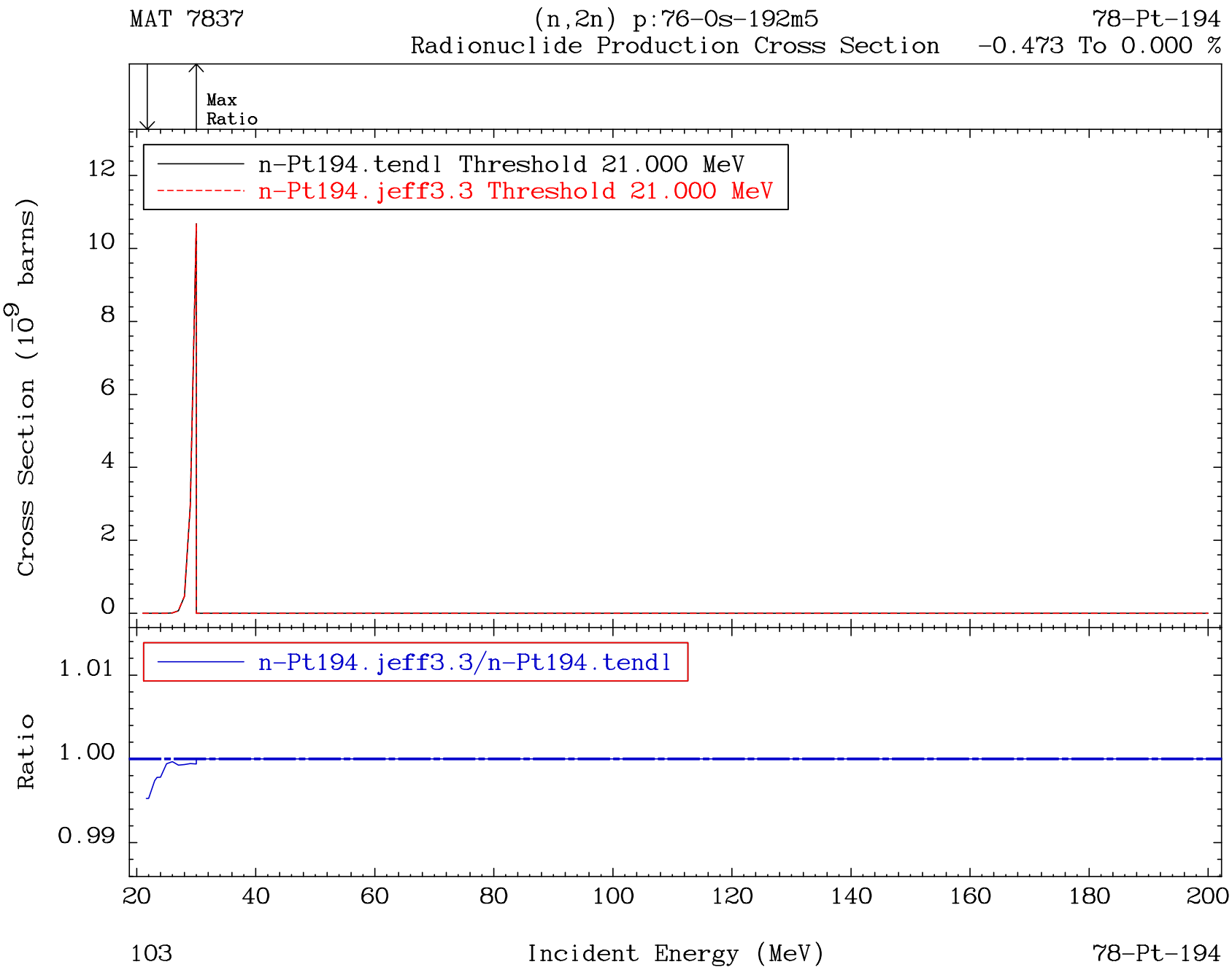

MAT 7837
(n,2n) p:77-Ir-192m15
78-Pt-194
Radionuclide Production Cross Section -1.927 To 0.081 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 15.533 MeV
n-Pt194.jeff3.3 Threshold 15.533 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
2
10^8
98
Incident Energy (eV)
78-Pt-194

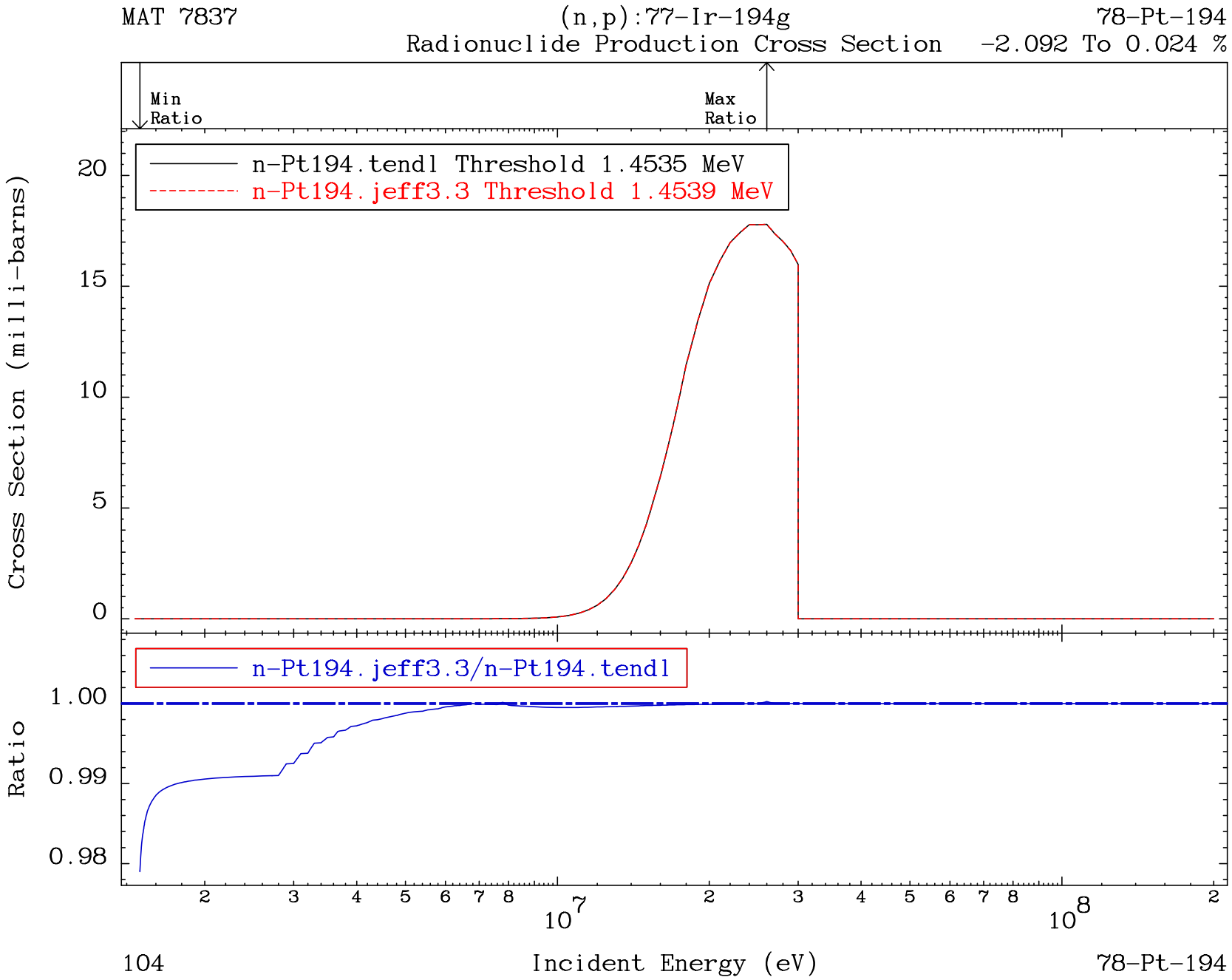

MAT 7837
(n,3n) p:77-Ir-191g
78-Pt-194
Radionuclide Production Cross Section
-0.418 To 0.112 %
Max
Ratio
n-Pt194.tendl Threshold 21.595 MeV
n-Pt194.jeff3.3 Threshold 21.595 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
99
Incident Energy (MeV)
78-Pt-194

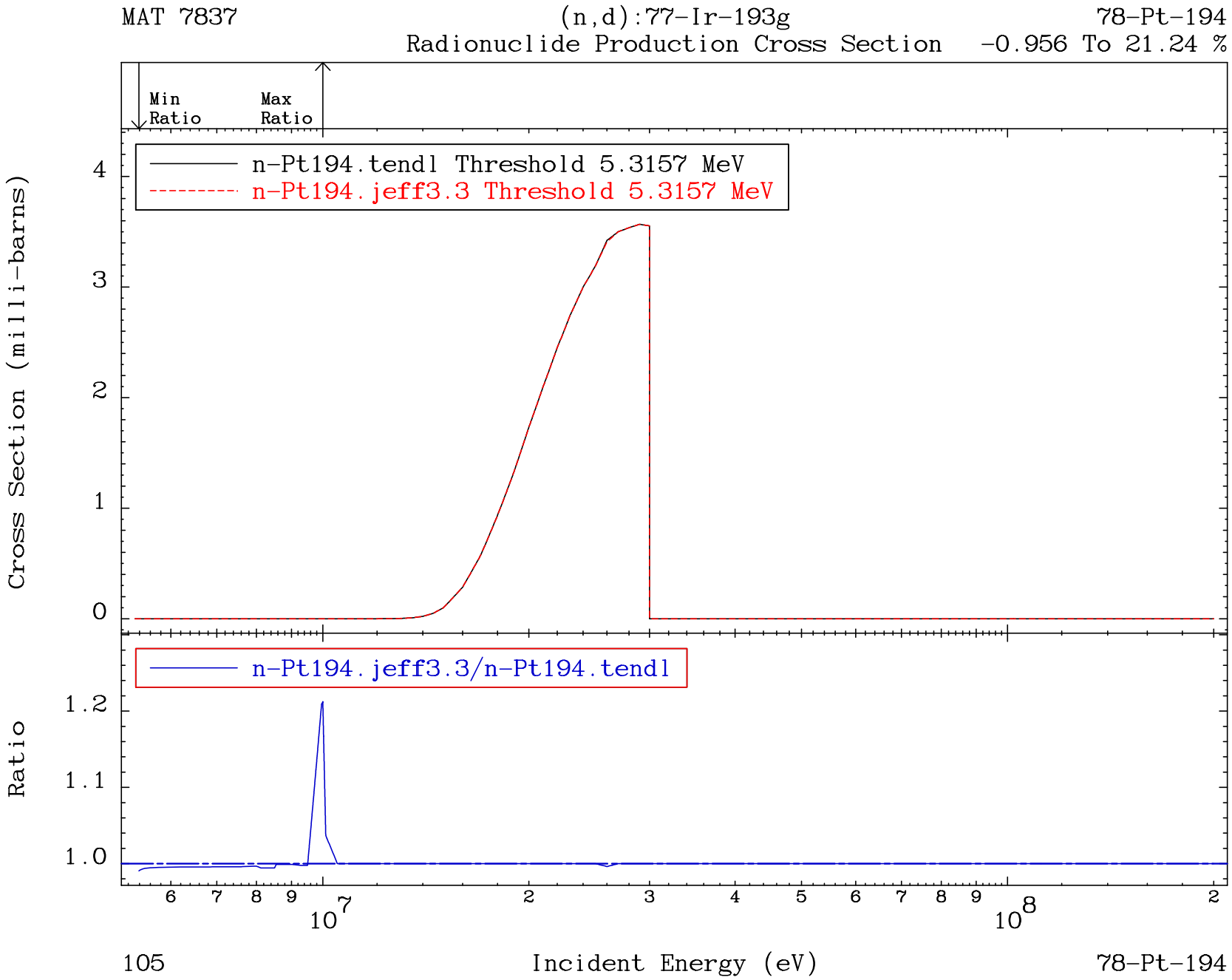

MAT 7837
(n,3n) p:77-Ir-191m3
78-Pt-194
Radionuclide Production Cross Section
-0.425 To 0.107 %
Max
Ratio
n-Pt194.tendl Threshold 21.767 MeV
n-Pt194.jeff3.3 Threshold 21.767 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
100
Incident Energy (MeV)
78-Pt-194

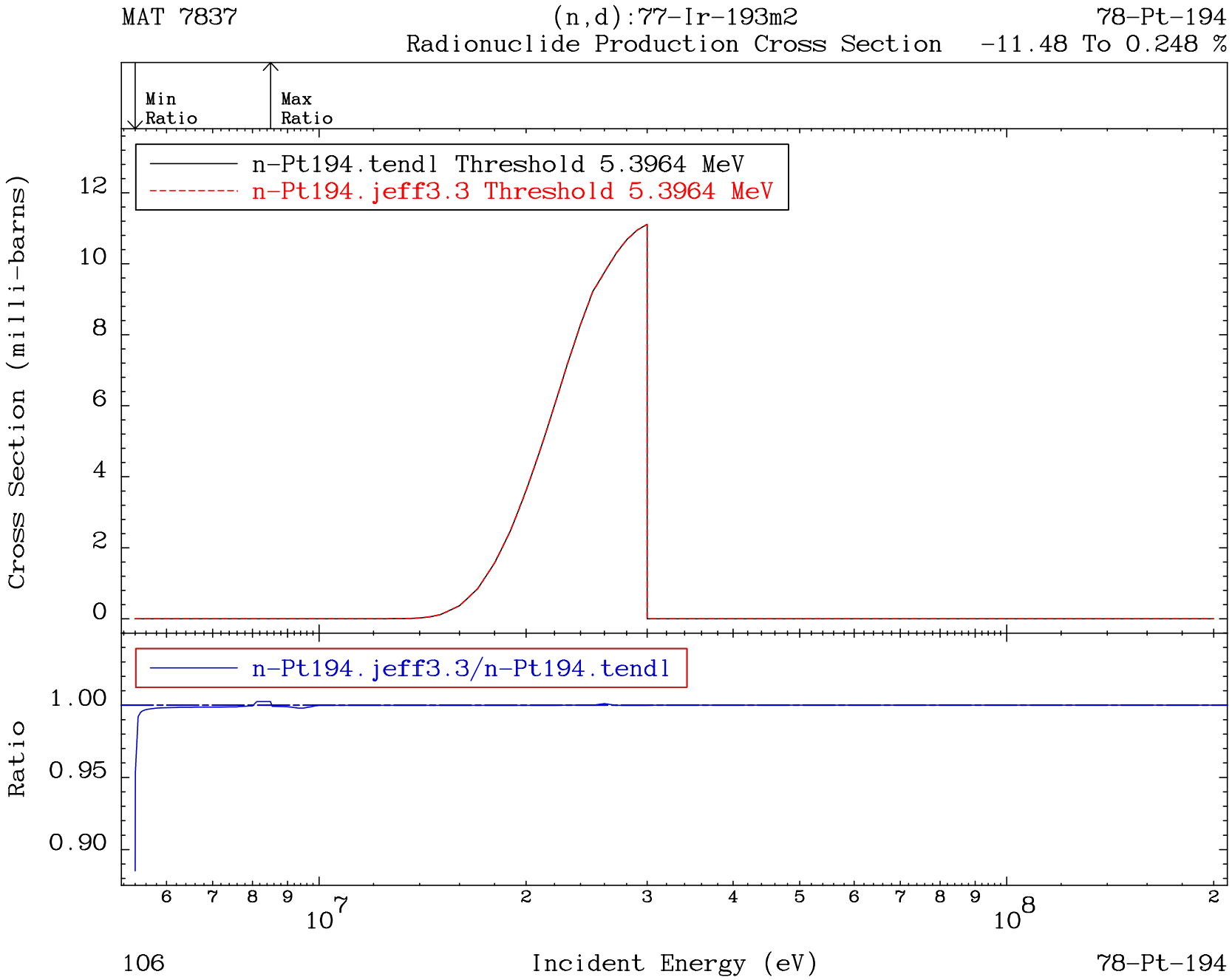

MAT 7837
(n,3n) p:77-Ir-191m10
78-Pt-194
Radionuclide Production Cross Section
-0.205 To 0.092 %
Max
Ratio
n-Pt194.tendl Threshold 25.000 MeV
n-Pt194.jeff3.3 Threshold 25.000 MeV
Cross Section (10^{-9} barns)
350
300
250
200
150
100
50
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
101
Incident Energy (MeV)
78-Pt-194

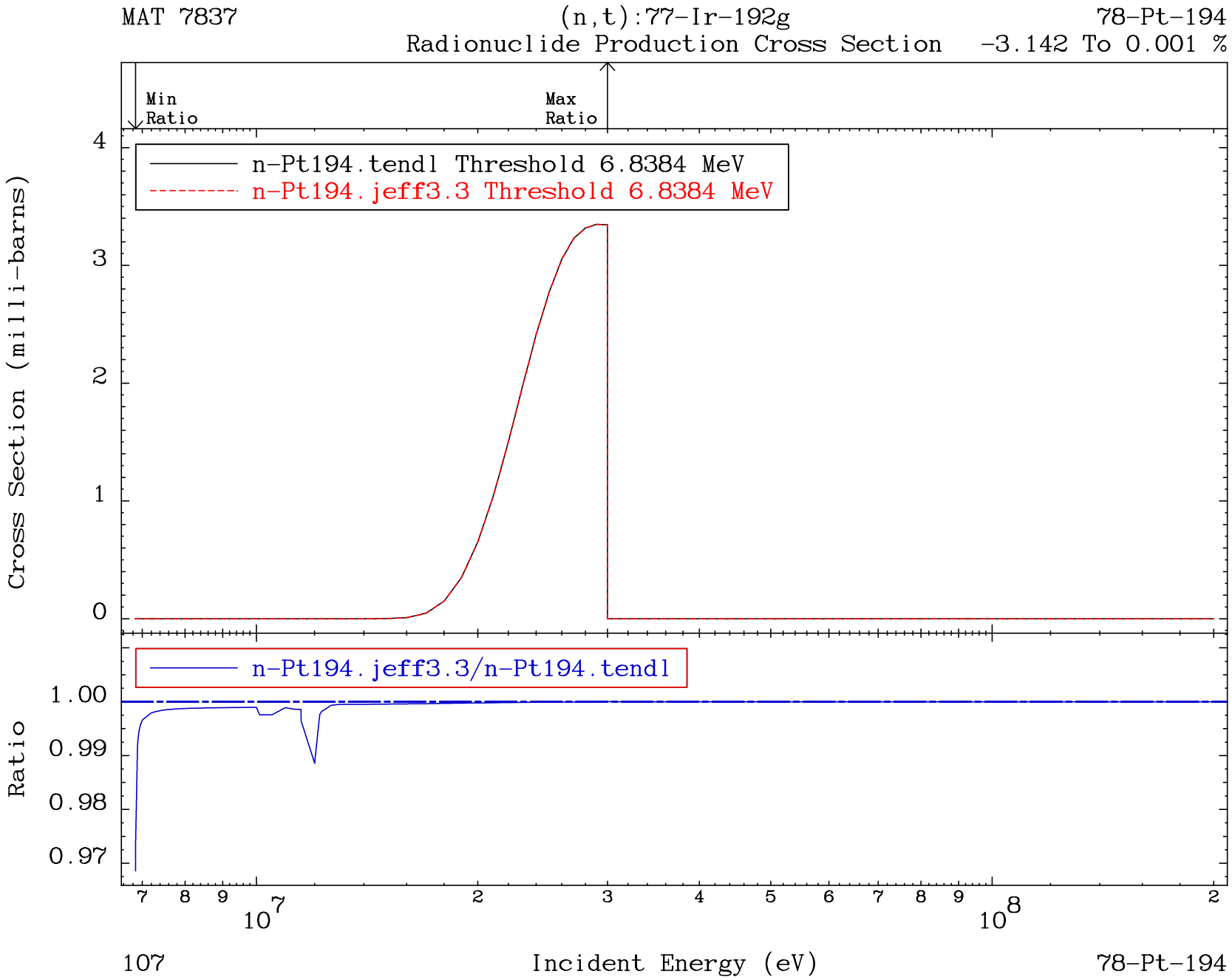

MAT 7837
(n,2n) p:76-0s-192g
78-Pt-194
Radionuclide Production Cross Section -1.394 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.526 MeV
n-Pt194.jeff3.3 Threshold 13.526 MeV
Cross Section (10^{-9} barns)
120
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
78-Pt-194

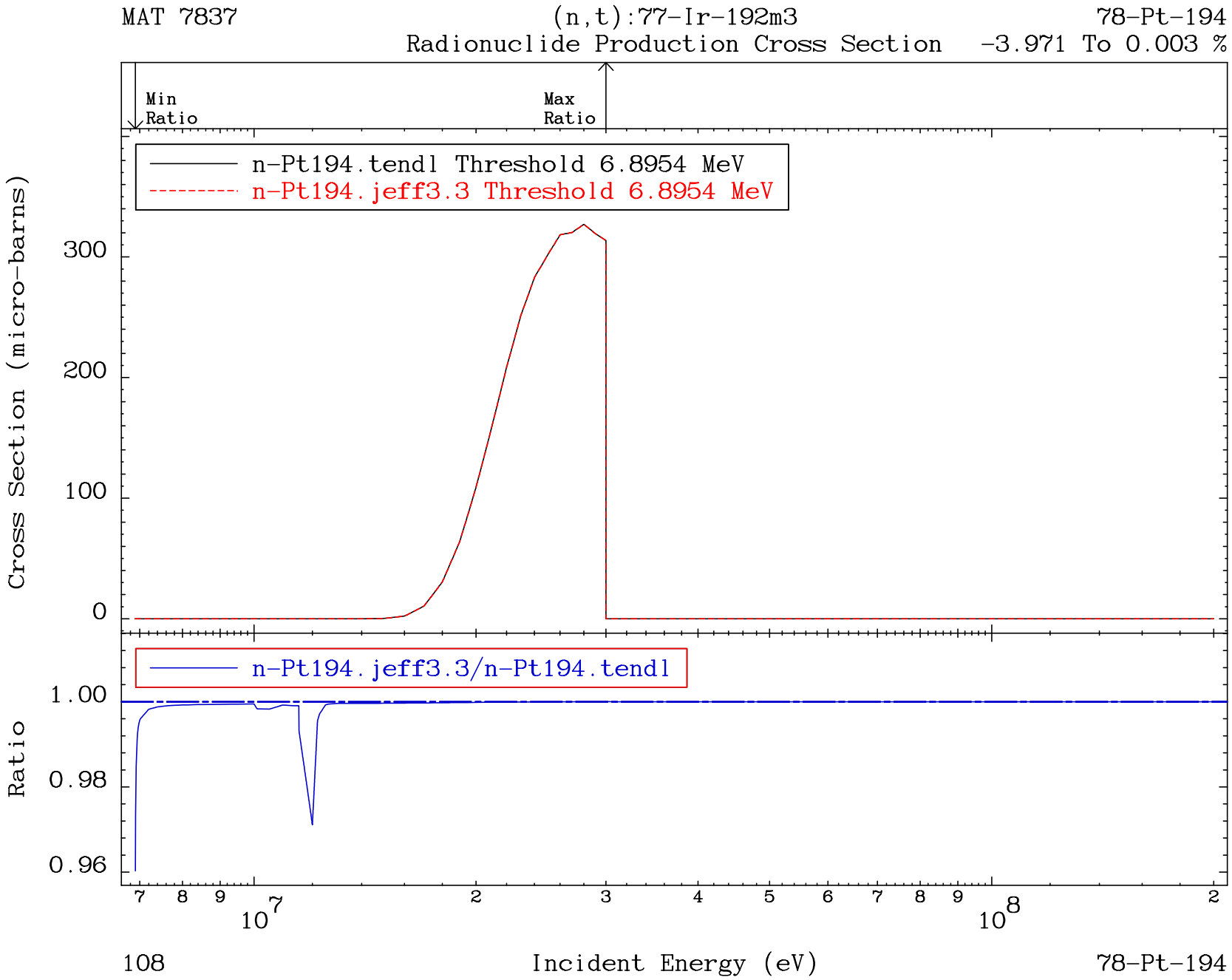

MAT 7837
(n,2n) p:76-Os-192m5
78-Pt-194
Radionuclide Production Cross Section
-0.473 To 0.000 %
Max
Ratio
n-Pt194.tendl Threshold 21.000 MeV
n-Pt194.jeff3.3 Threshold 21.000 MeV
Cross Section (10^{-9} barns)
12
10
8
6
4
2
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
103
Incident Energy (MeV)
78-Pt-194

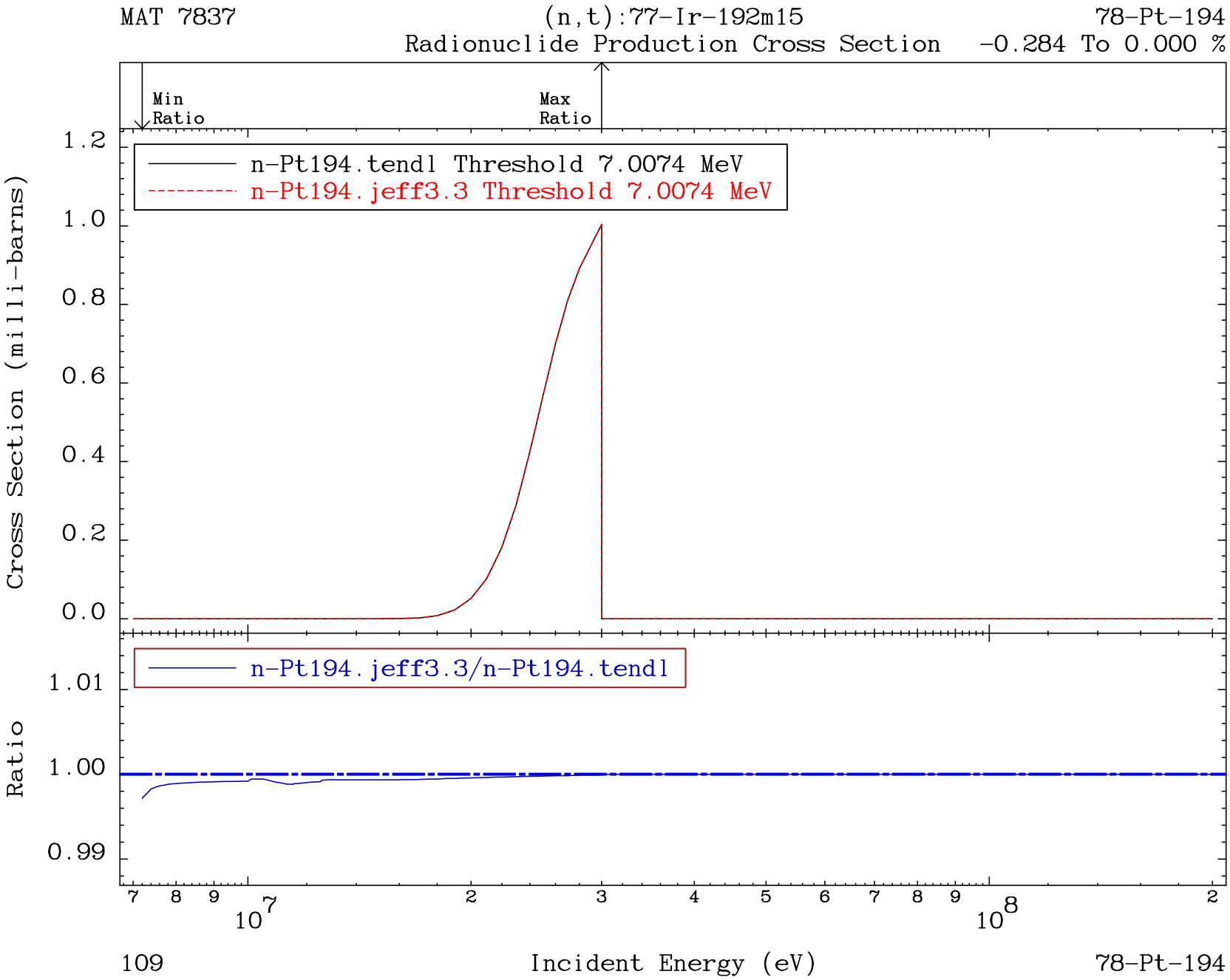

MAT 7837
(n,p):77-Ir-194g
78-Pt-194
Radionuclide Production Cross Section
-2.092 To 0.024 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 1.4535 MeV
n-Pt194.jeff3.3 Threshold 1.4539 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
104
Incident Energy (eV)
78-Pt-194

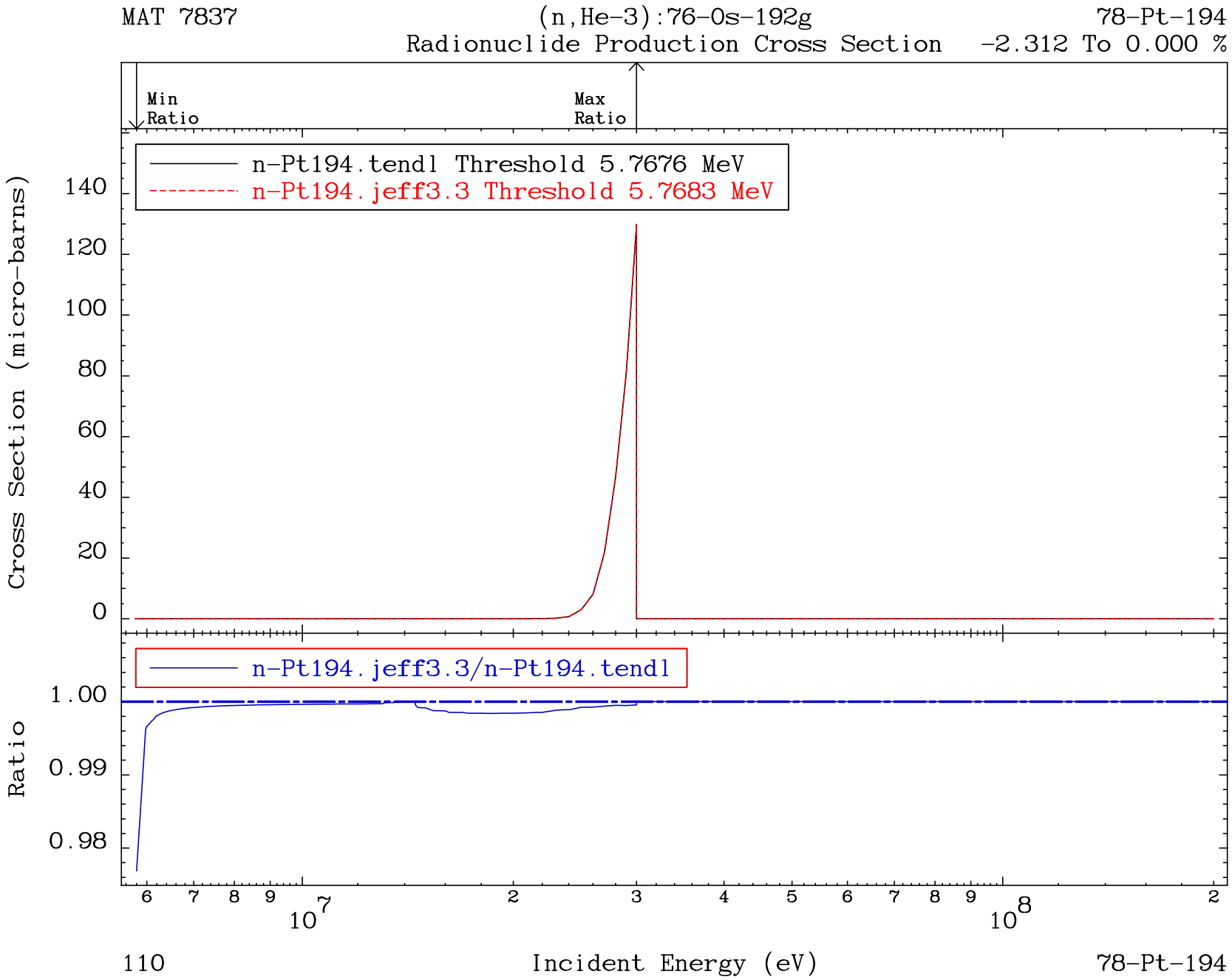

MAT 7837
(n,d):77-Ir-193g
78-Pt-194
Radionuclide Production Cross Section -0.956 To 21.24 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.3157 MeV
n-Pt194.jeff3.3 Threshold 5.3157 MeV
Cross Section (milli-barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
105
78-Pt-194

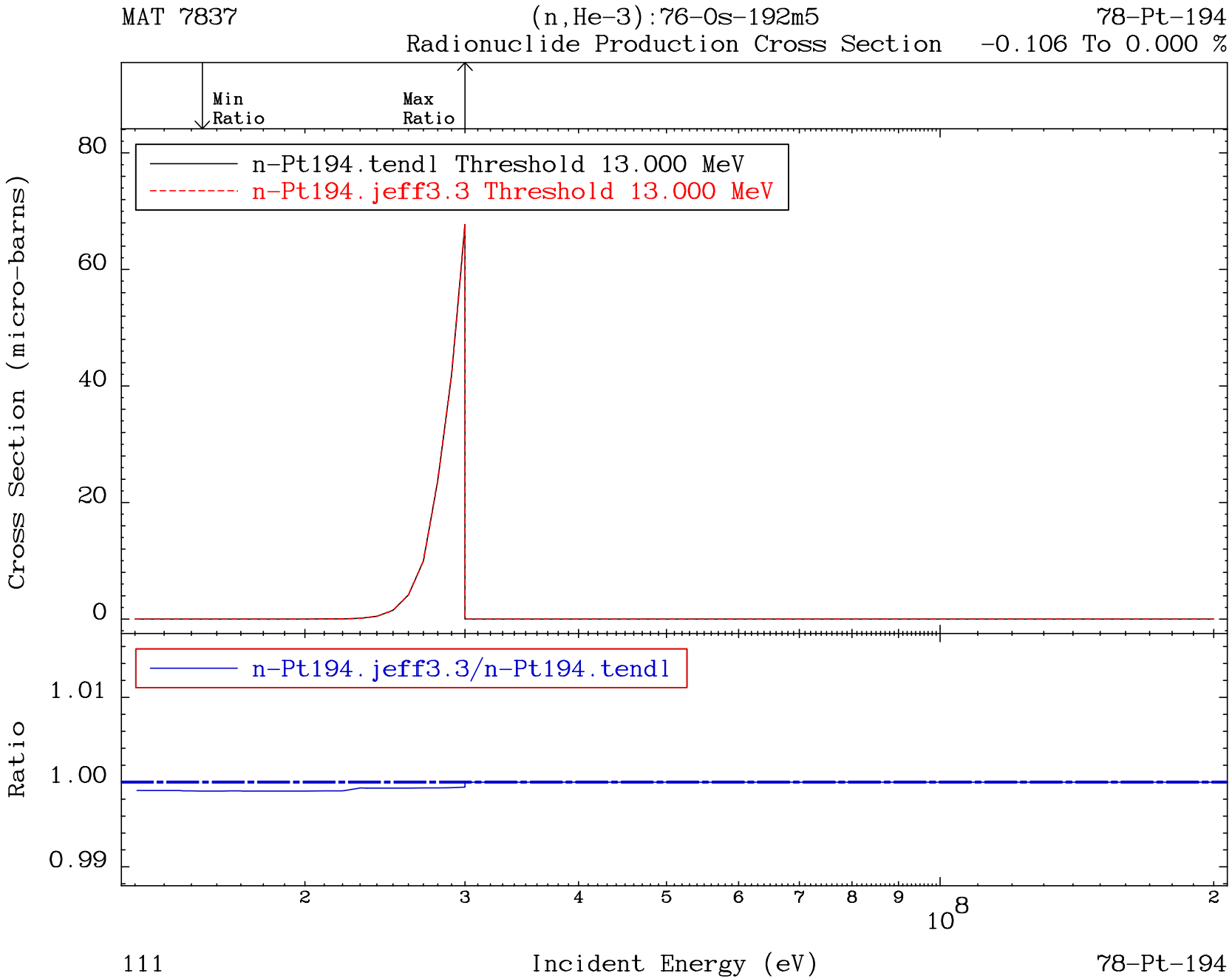

MAT 7837
(n,d):77-Ir-193m2
78-Pt-194
Radionuclide Production Cross Section -11.48 To 0.248 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.3964 MeV
n-Pt194.jeff3.3 Threshold 5.3964 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
0.90
0.95
1.00
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
106
Incident Energy (eV)
78-Pt-194

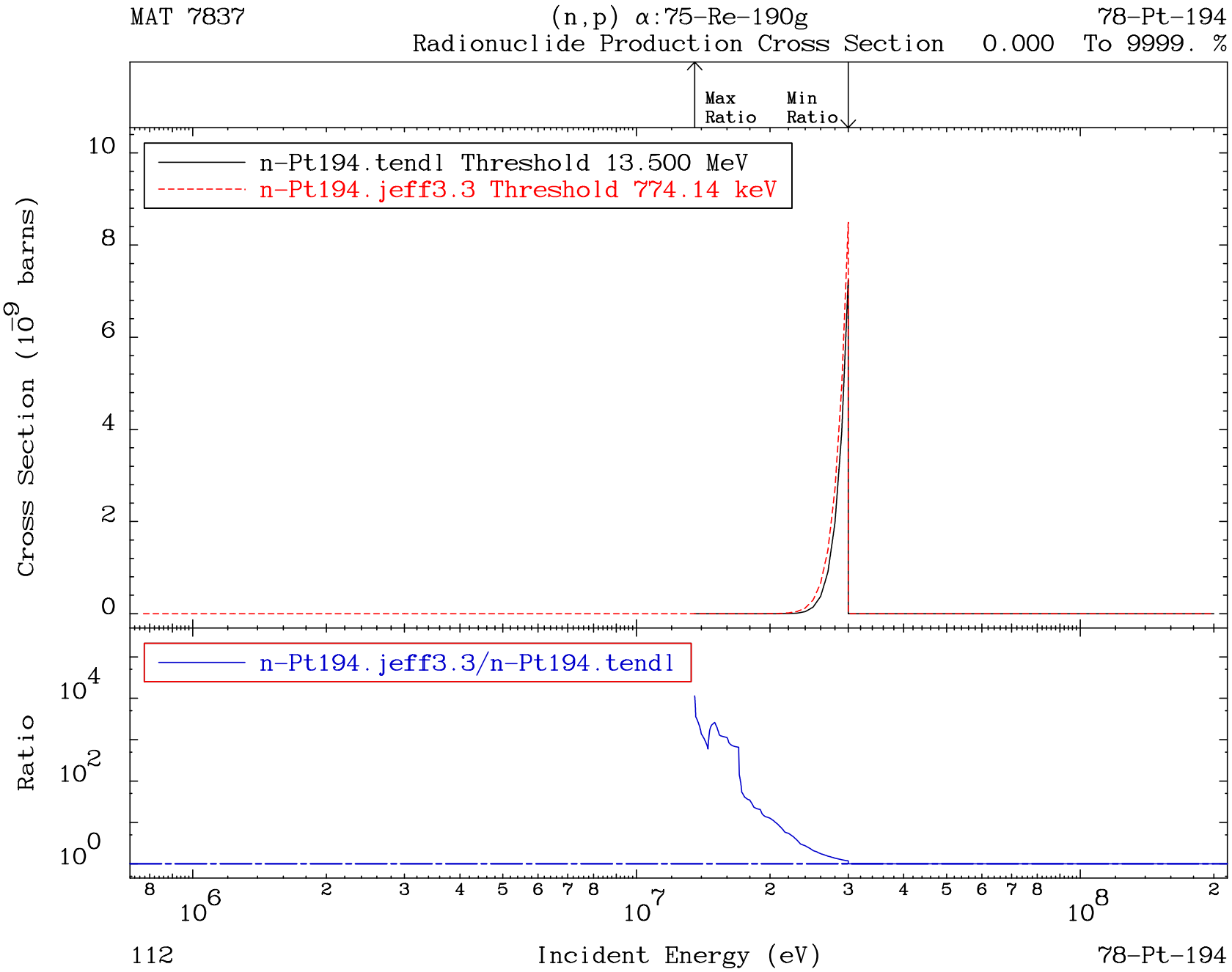

MAT 7837
(n,t):77-Ir-192g
78-Pt-194
Radionuclide Production Cross Section
-3.142 To 0.001 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 6.8384 MeV
n-Pt194.jeff3.3 Threshold 6.8384 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
0.97
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
107
Incident Energy (eV)
78-Pt-194

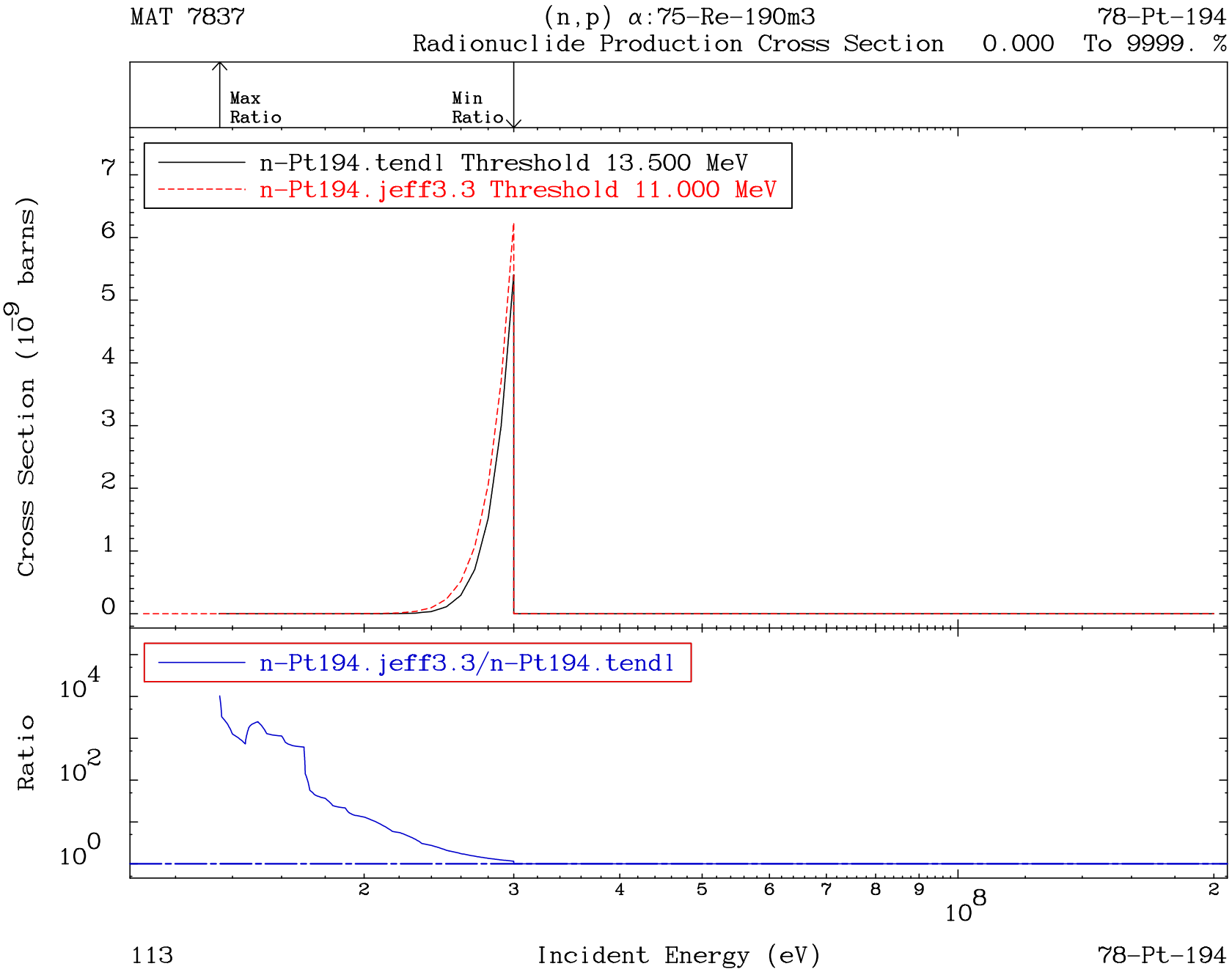

MAT 7837
(n,t):77-Ir-192m3
78-Pt-194
Radionuclide Production Cross Section -3.971 To 0.003 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 6.8954 MeV
n-Pt194.jeff3.3 Threshold 6.8954 MeV
Cross Section (micro-barns)
300
200
100
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.98
0.96
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
108
Incident Energy (eV)
78-Pt-194

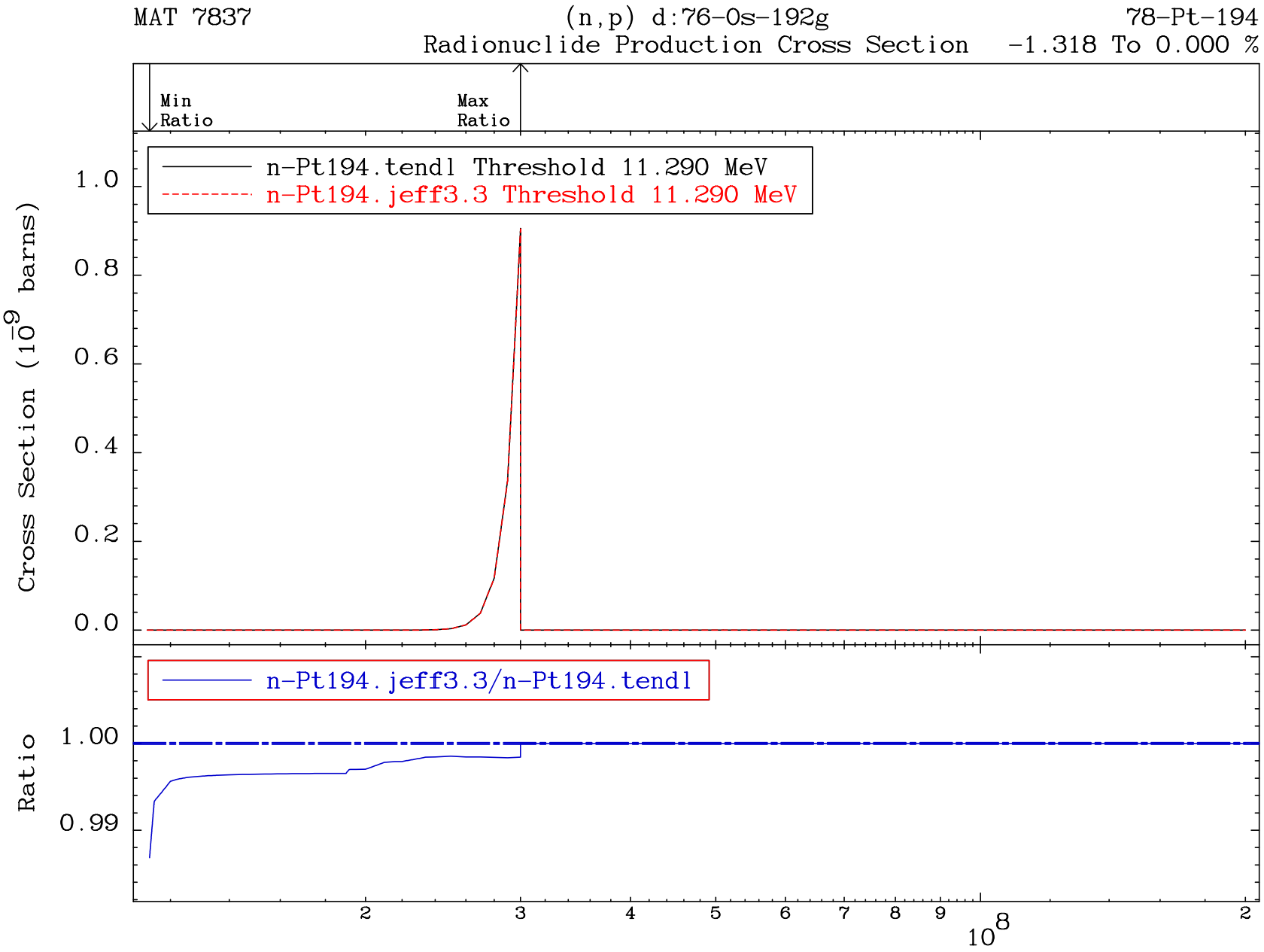

MAT 7837
(n,t):77-Ir-192m15
78-Pt-194
Radionuclide Production Cross Section -0.284 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 7.0074 MeV
n-Pt194.jeff3.3 Threshold 7.0074 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
109
Incident Energy (eV)
78-Pt-194

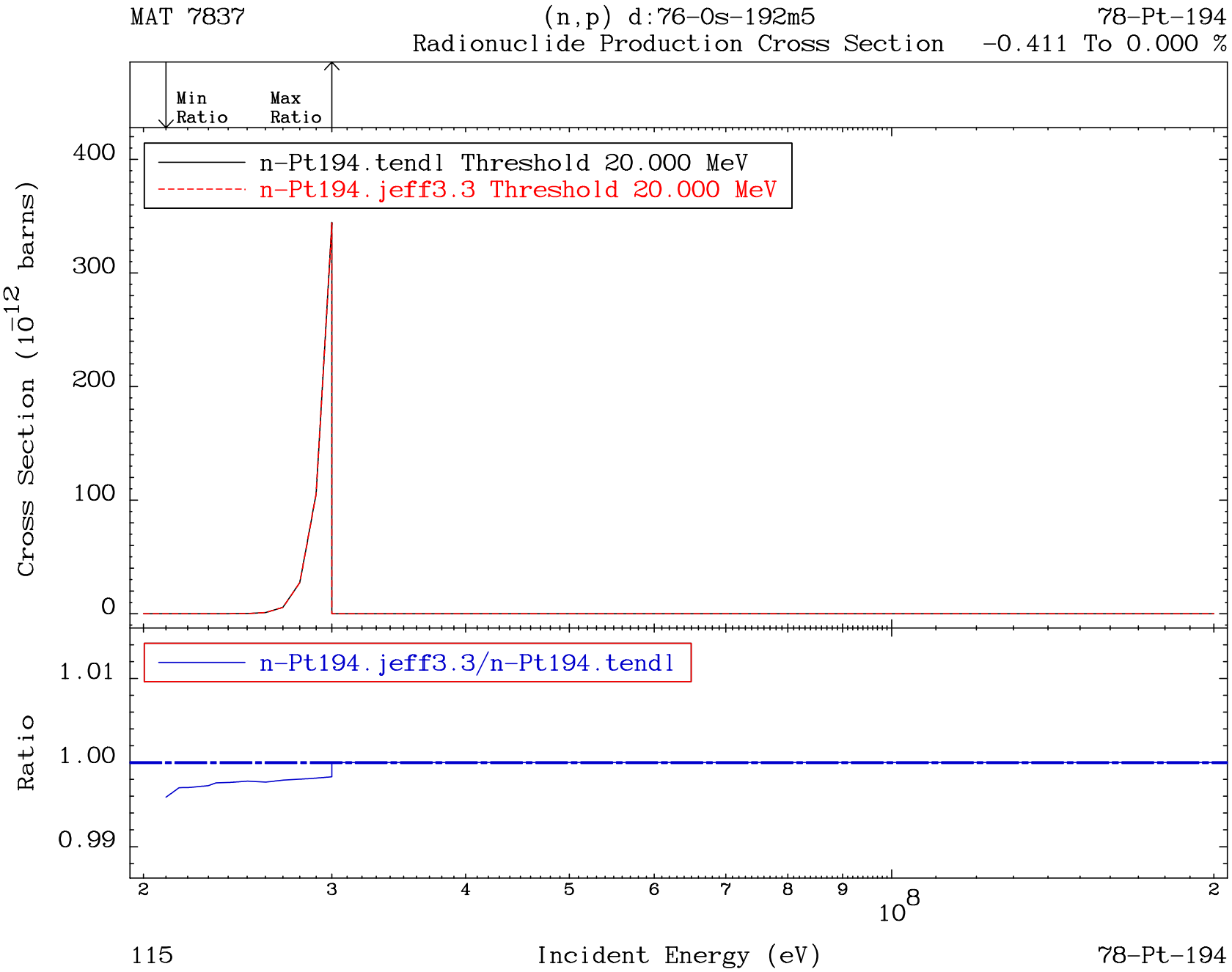

MAT 7837
(n,He-3):76-0s-192g
78-Pt-194
Radionuclide Production Cross Section -2.312 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 5.7676 MeV
n-Pt194.jeff3.3 Threshold 5.7683 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
0.98
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
110
Incident Energy (eV)
78-Pt-194

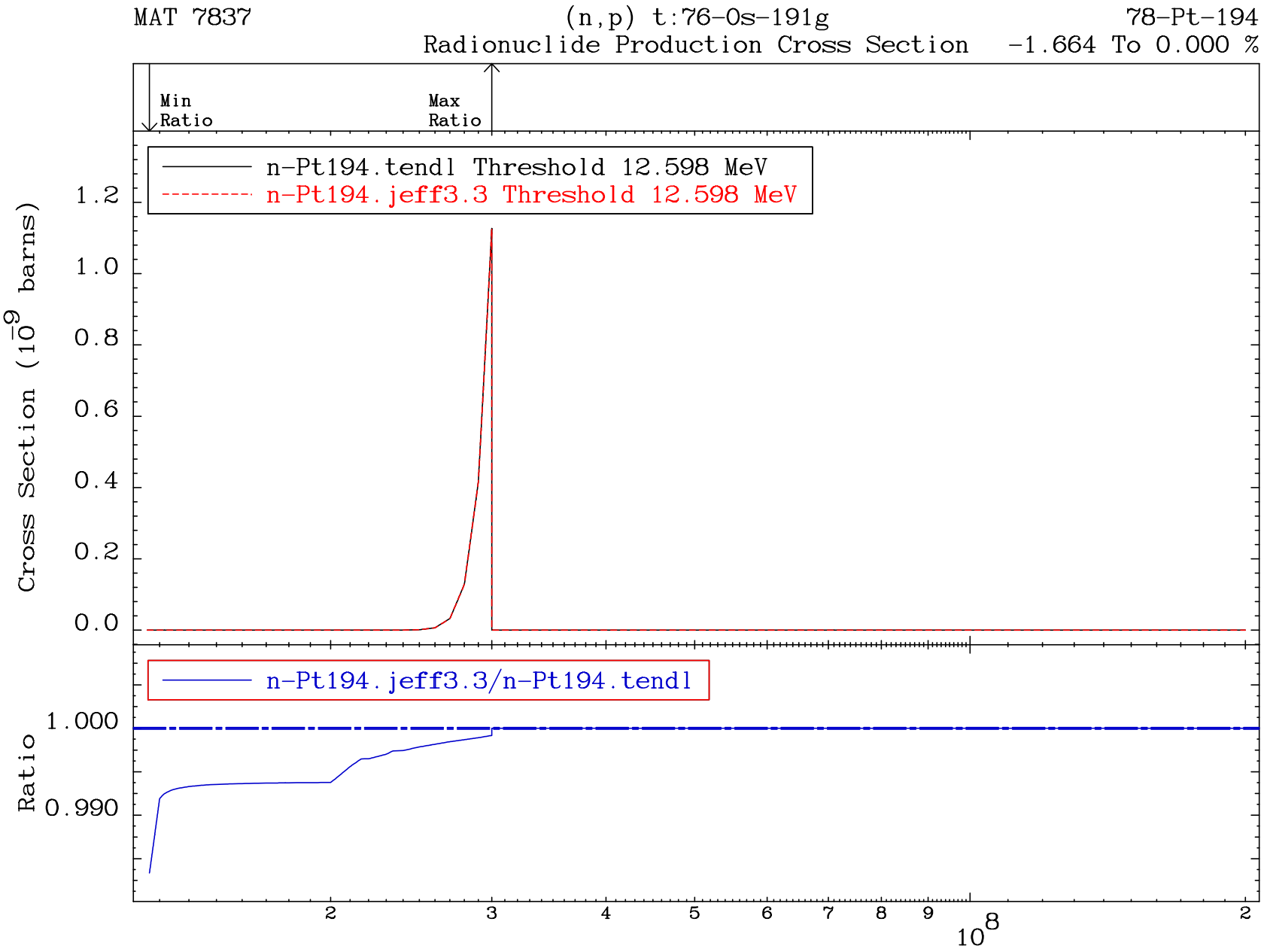

MAT 7837
(n,He-3):76-Os-192m5
78-Pt-194
Radionuclide Production Cross Section -0.106 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 13.000 MeV
n-Pt194.jeff3.3 Threshold 13.000 MeV
Cross Section (micro-barns)
80
60
40
20
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
111
Incident Energy (eV)
78-Pt-194

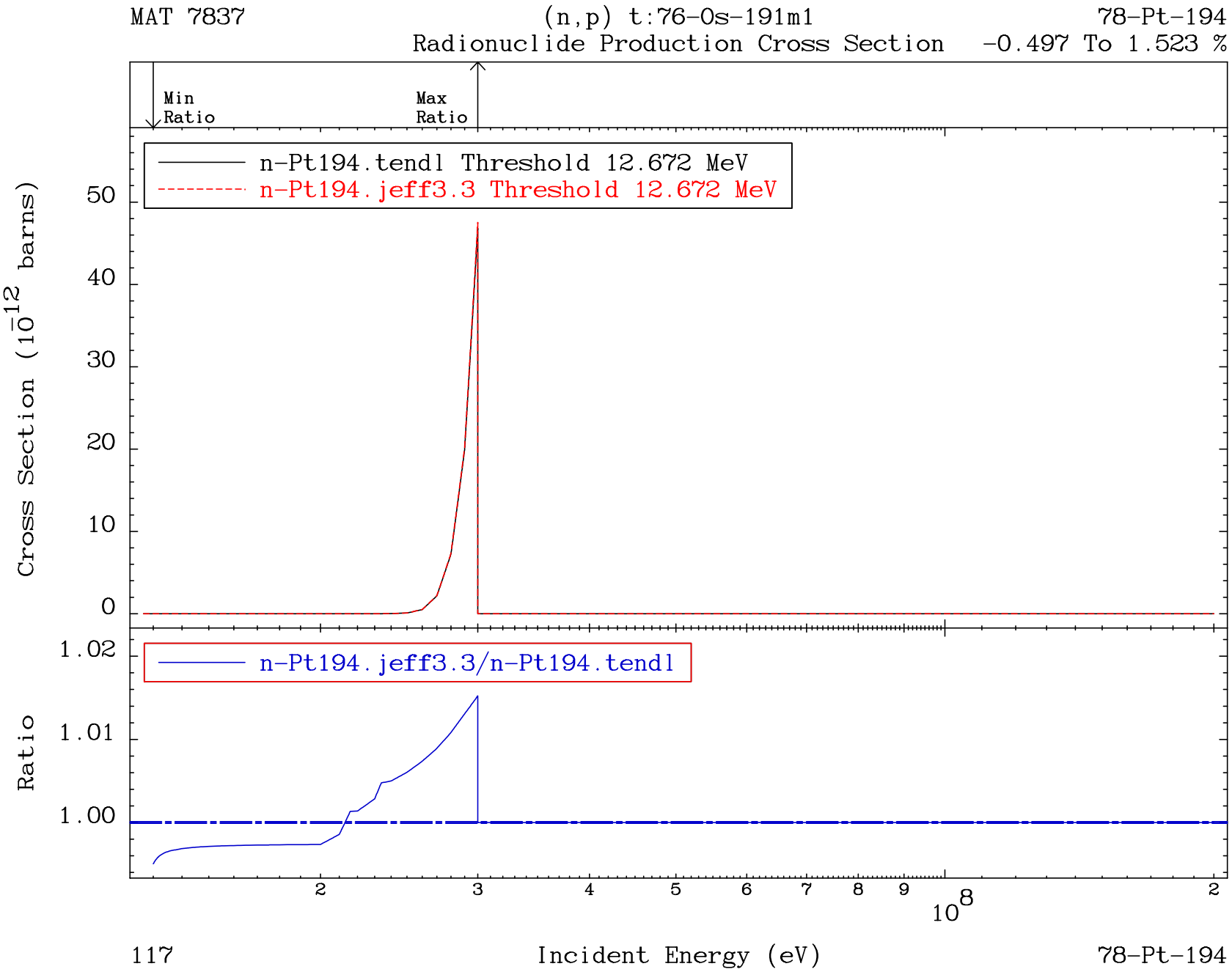

MAT 7837
(n,p) α:75-Re-190g
78-Pt-194
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 13.500 MeV
n-Pt194.jeff3.3 Threshold 774.14 keV
Cross Section (10^{-9} barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
112
78-Pt-194


MAT 7837
(n,p) α:75-Re-190m3
78-Pt-194
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt194.tendl Threshold 13.500 MeV
n-Pt194.jeff3.3 Threshold 11.000 MeV
Cross Section (10^{-9} barns)
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
Incident Energy (eV)
113
78-Pt-194


MAT 7837
(n,p) d:76-0s-192g
78-Pt-194
Radionuclide Production Cross Section -1.318 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 11.290 MeV
n-Pt194.jeff3.3 Threshold 11.290 MeV
Cross Section (10^{-9} barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
114
Incident Energy (eV)
78-Pt-194


MAT 7837
(n,p) d:76-0s-192m5
78-Pt-194
Radionuclide Production Cross Section
-0.411 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 20.000 MeV
n-Pt194.jeff3.3 Threshold 20.000 MeV
Cross Section (10^{-12} barns)
400
300
200
100
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^{8}
2
115
Incident Energy (eV)
78-Pt-194


MAT 7837
(n,p) t:76-0s-191g
78-Pt-194
Radionuclide Production Cross Section
-1.664 To 0.000 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 12.598 MeV
n-Pt194.jeff3.3 Threshold 12.598 MeV
Cross Section (10^{-9} barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.000
0.990
2
3
4
5
6
7
8
9
10^8
2
116
Incident Energy (eV)
78-Pt-194


MAT 7837
(n,p) t:76-0s-191m1
78-Pt-194
Radionuclide Production Cross Section
-0.497 To 1.523 %
Min Ratio
Max Ratio
n-Pt194.tendl Threshold 12.672 MeV
n-Pt194.jeff3.3 Threshold 12.672 MeV
Cross Section (10^-12 barns)
50
40
30
20
10
0
n-Pt194.jeff3.3/n-Pt194.tendl
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
117
Incident Energy (eV)
78-Pt-194