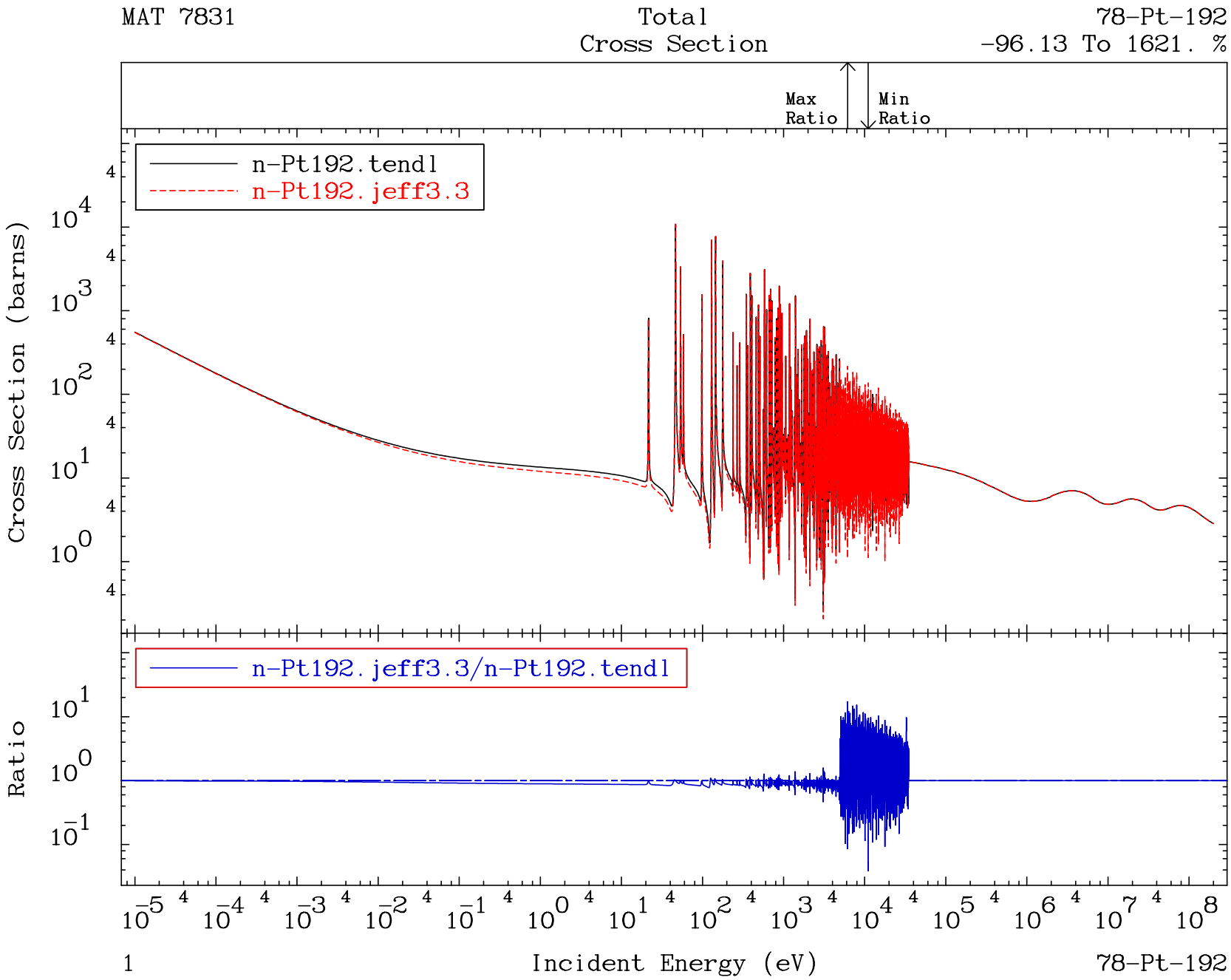
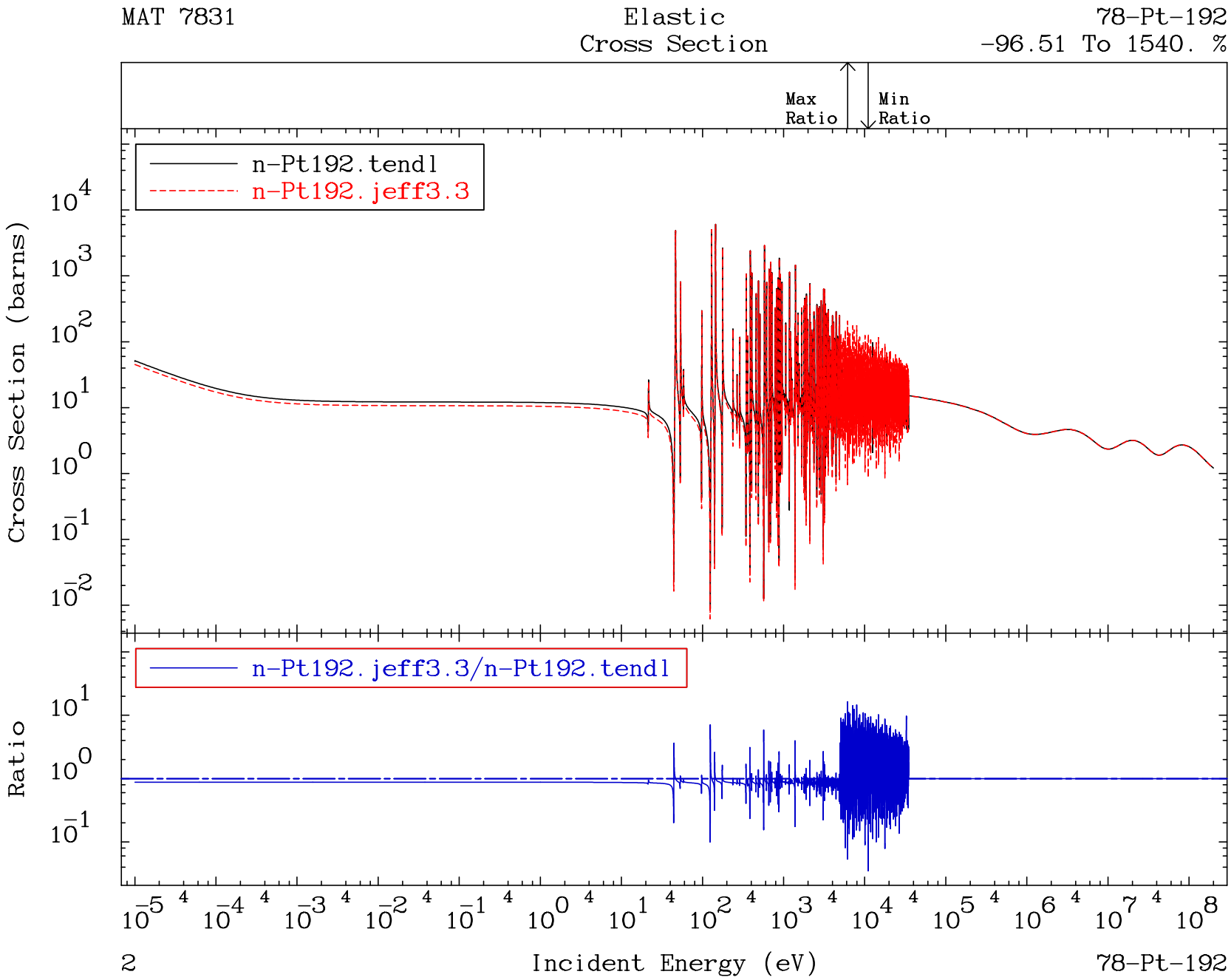
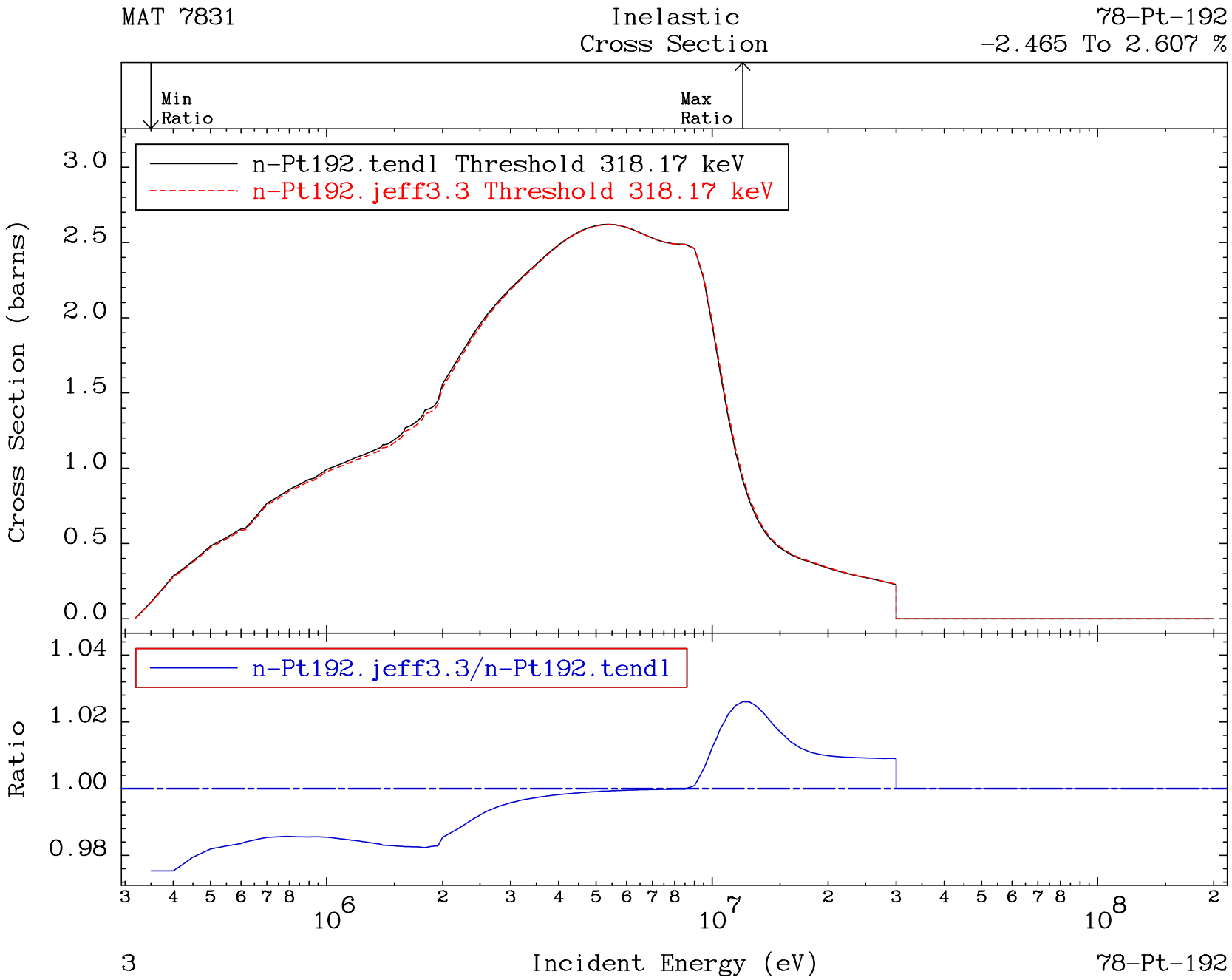
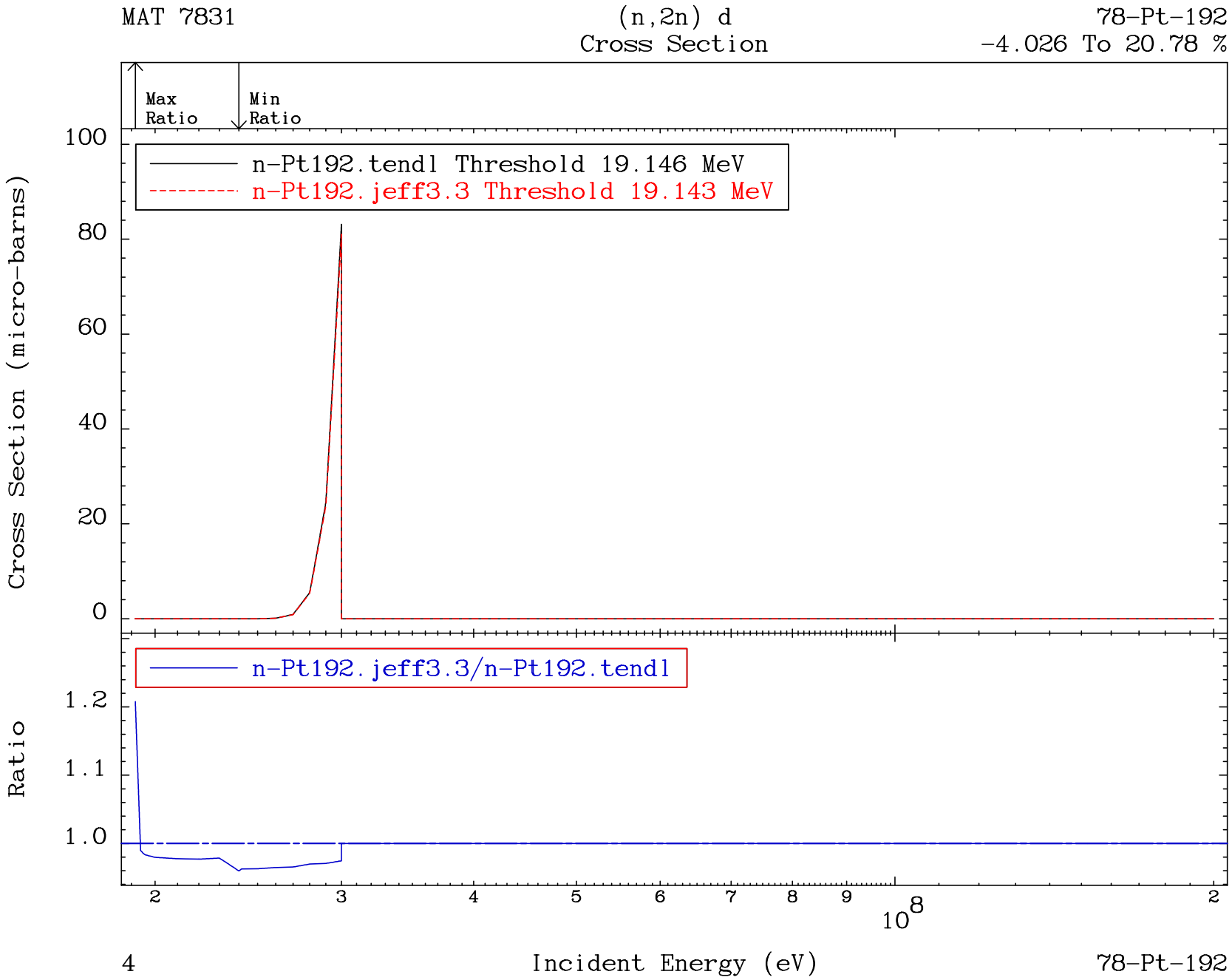
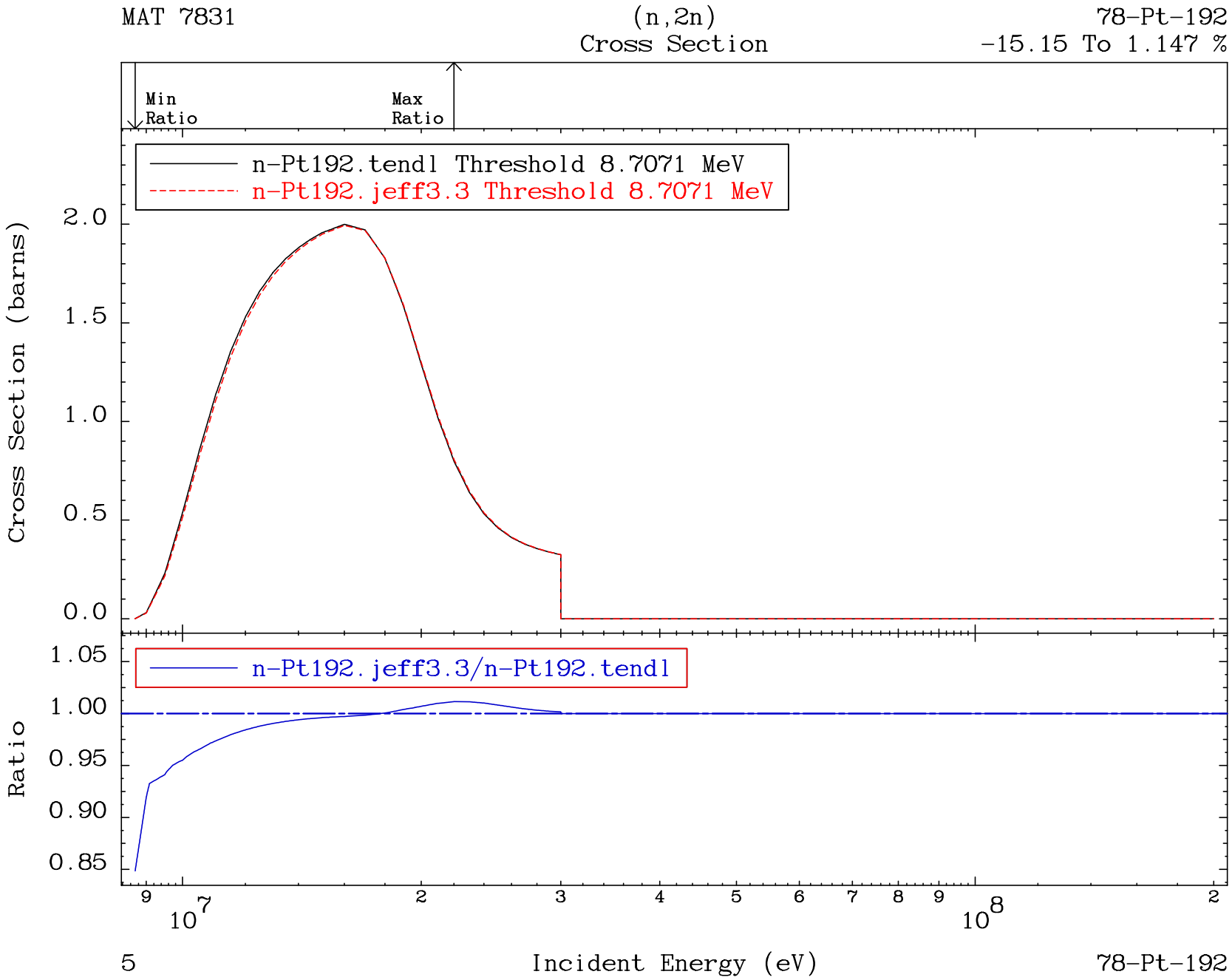
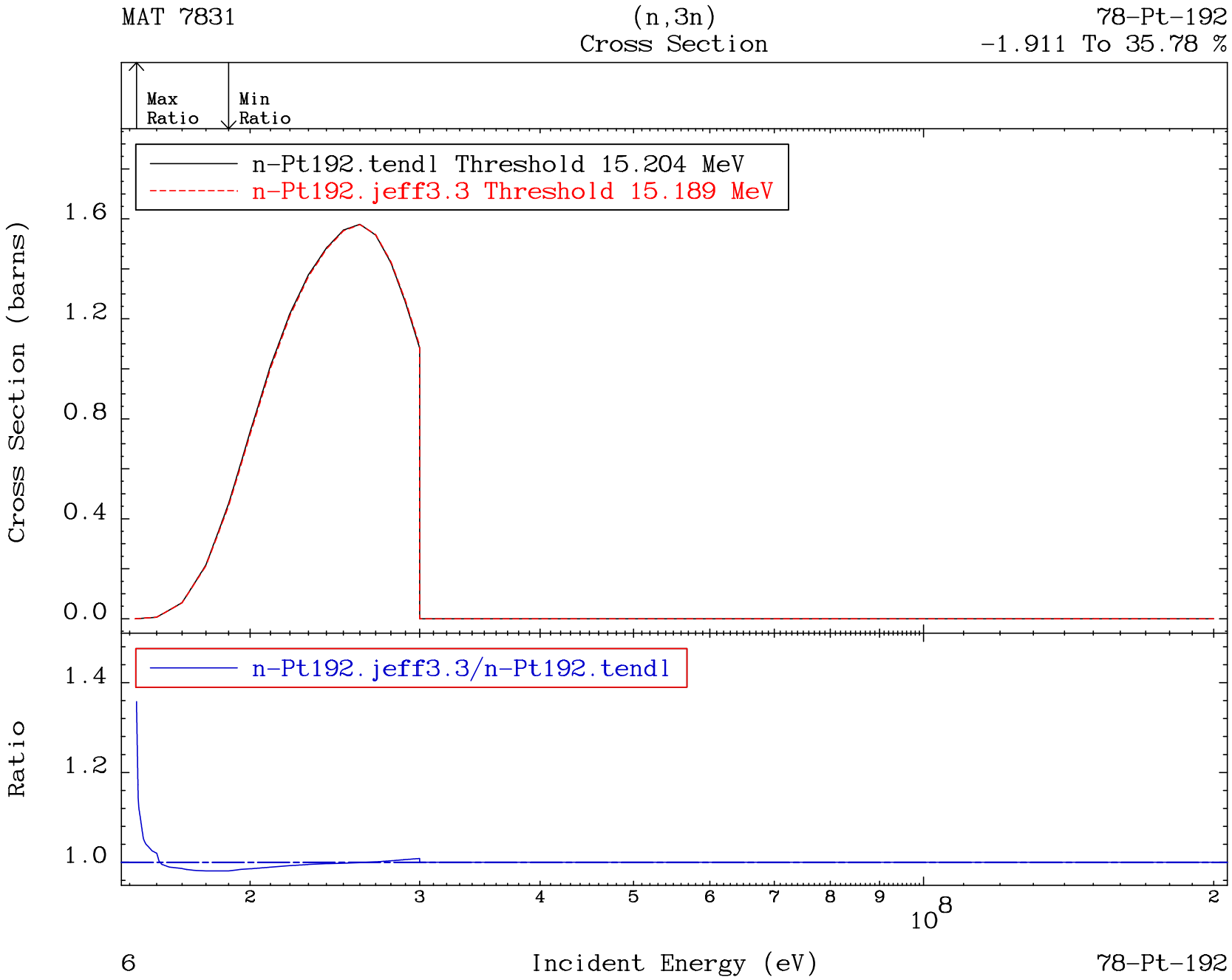

MAT 7831
Total
Cross Section
78-Pt-192
-96.13 To 1621. %
Max
Ratio
Min
Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
1
78-Pt-192

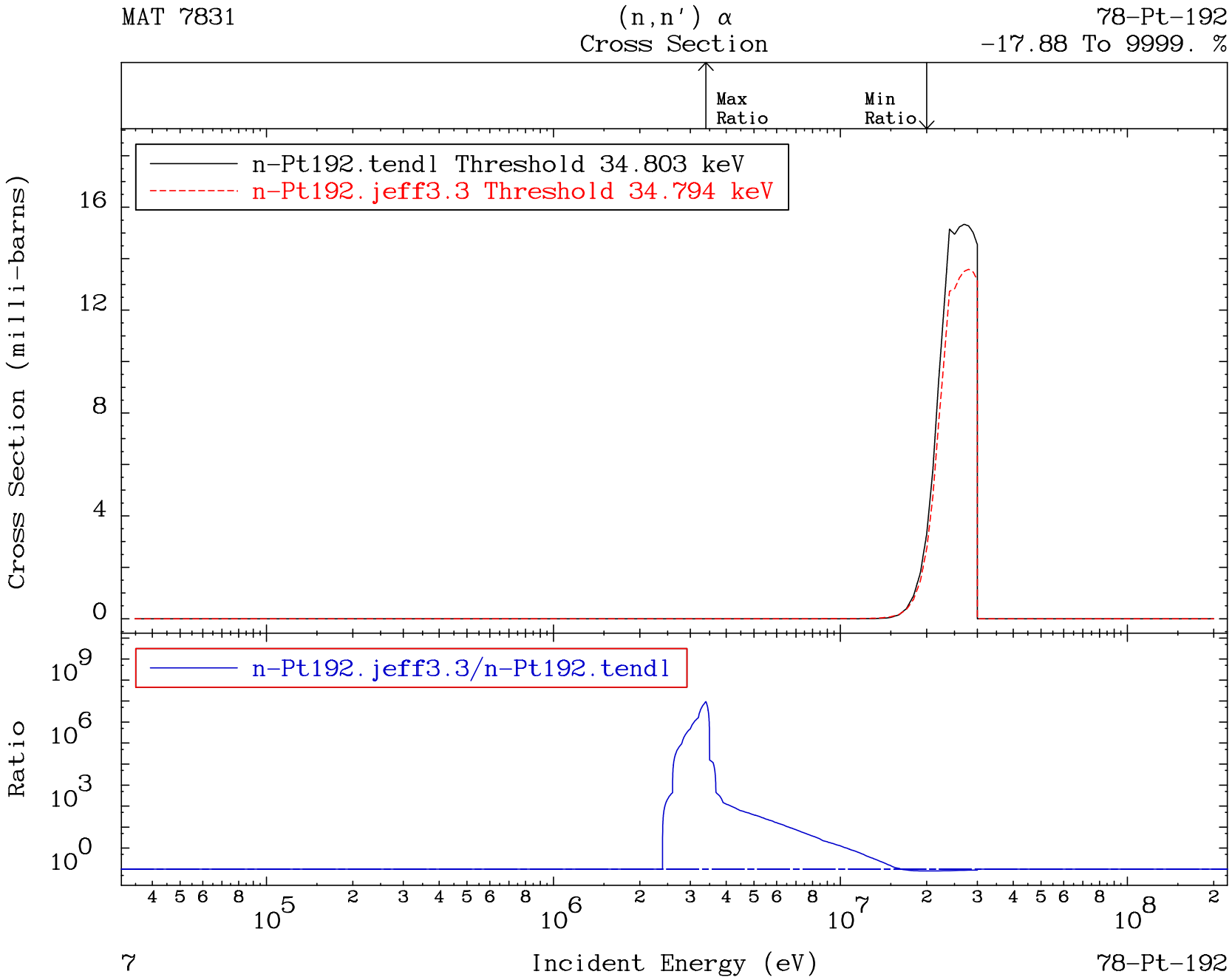

MAT 7831
Elastic
Cross Section
78-Pt-192
-96.51 To 1540. %
Max
Ratio
Min
Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
2
78-Pt-192

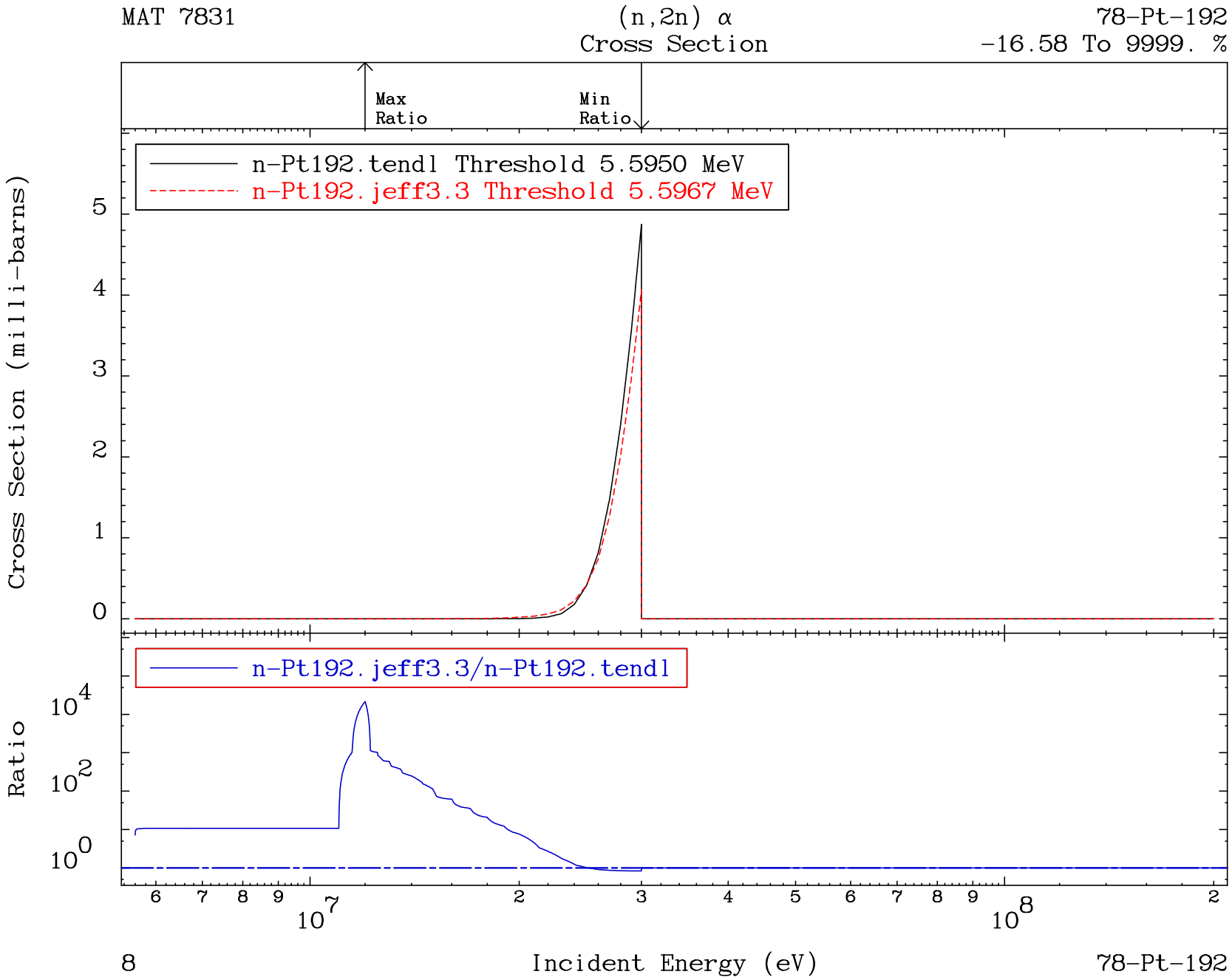

MAT 7831
Inelastic
Cross Section
78-Pt-192
-2.465 To 2.607 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 318.17 keV
n-Pt192.jeff3.3 Threshold 318.17 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.04
1.02
1.00
0.98
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
78-Pt-192

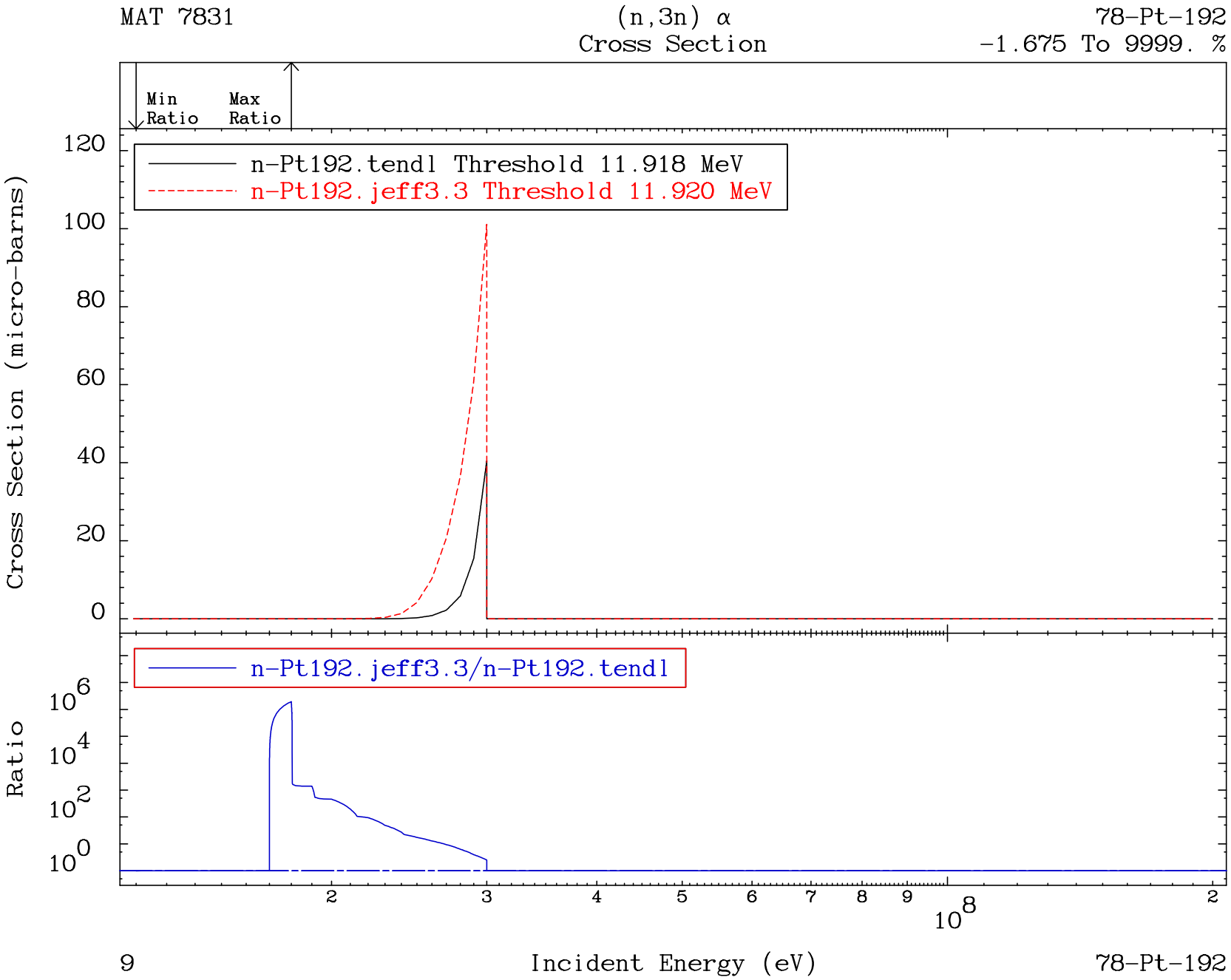

MAT 7831
(n,2n) d
Cross Section
78-Pt-192
-4.026 To 20.78 %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 19.146 MeV
n-Pt192.jeff3.3 Threshold 19.143 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-192

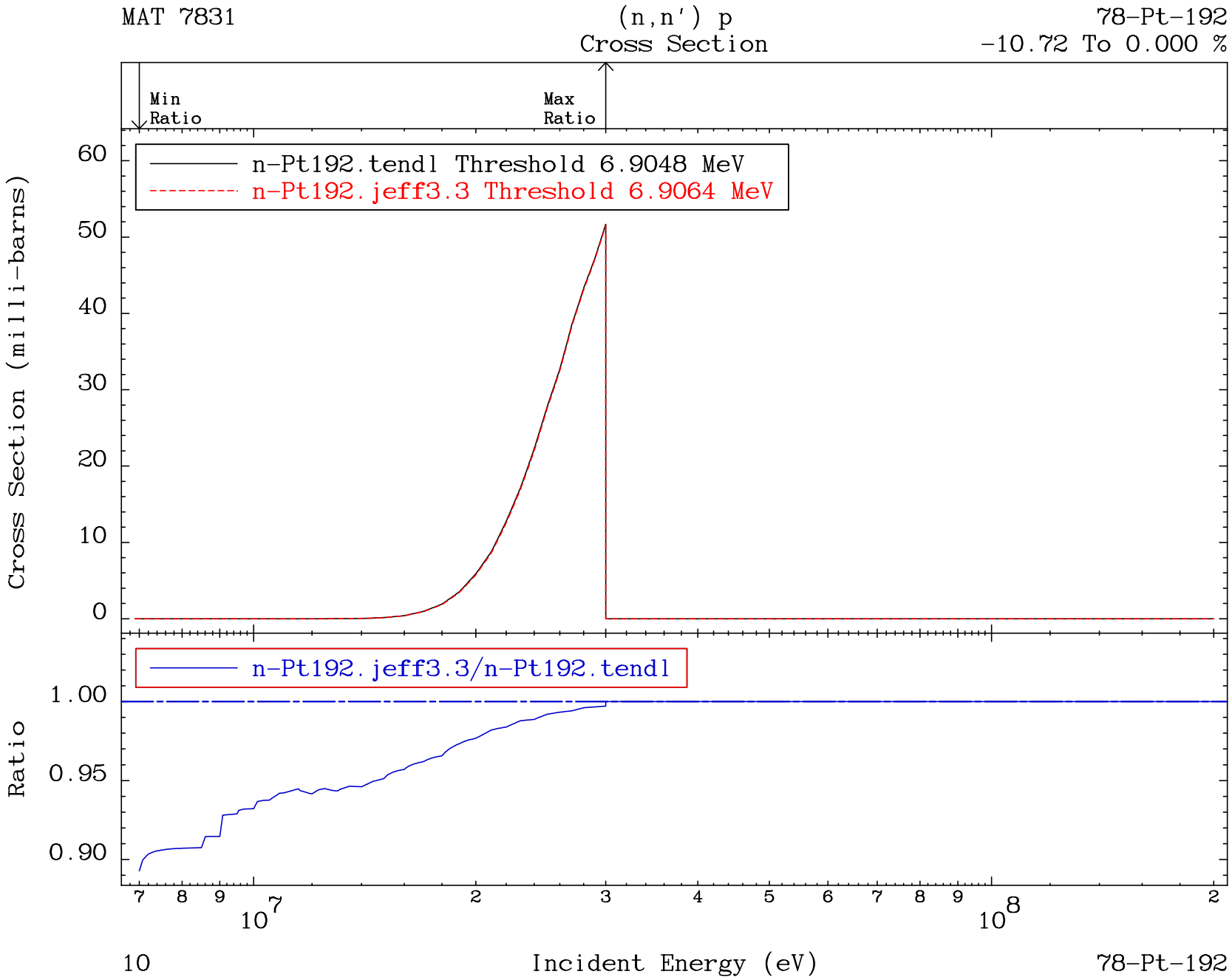

MAT 7831
(n,2n)
Cross Section
78-Pt-192
-15.15 To 1.147 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 8.7071 MeV
n-Pt192.jeff3.3 Threshold 8.7071 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.05
1.00
0.95
0.90
0.85
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
78-Pt-192

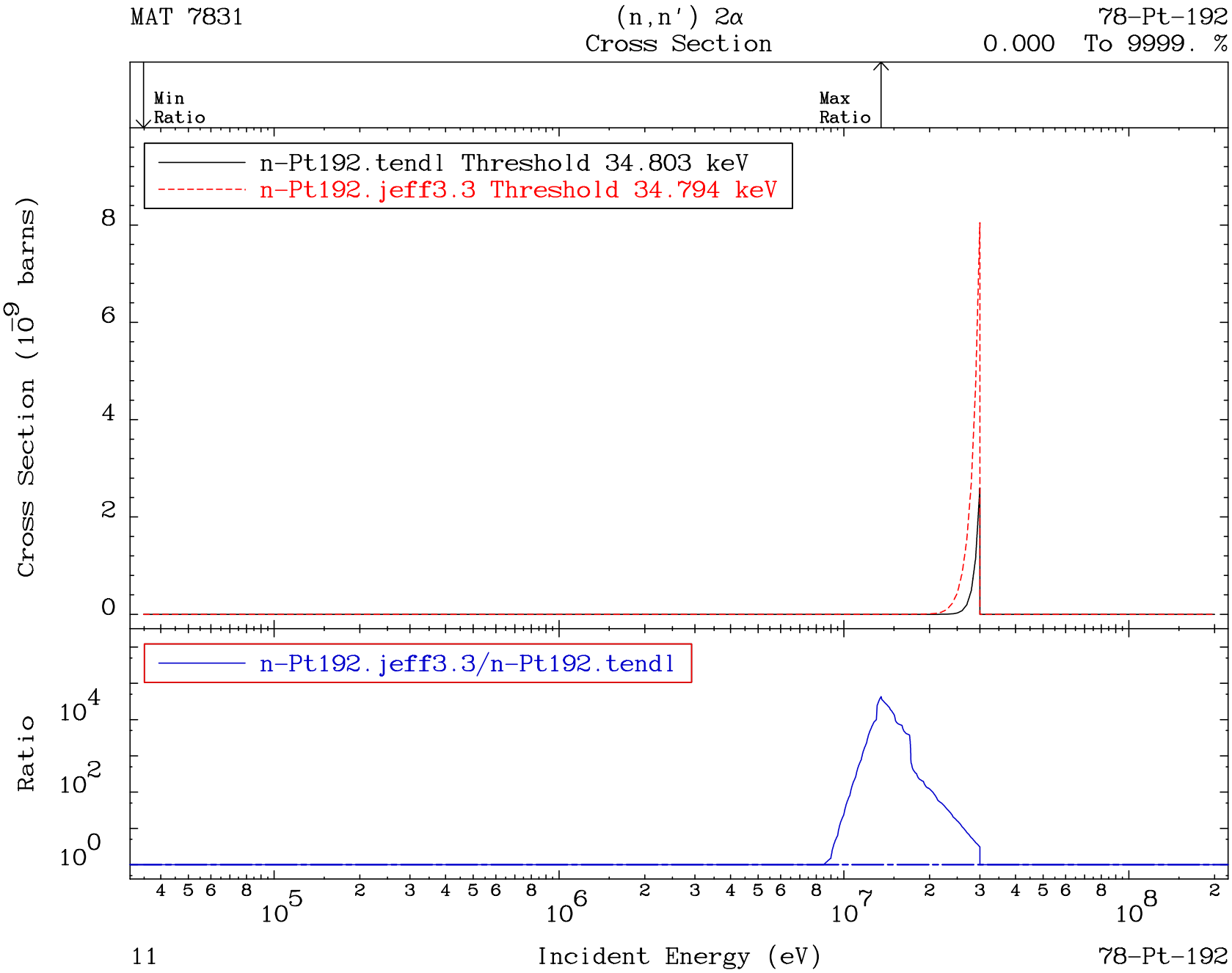

MAT 7831
(n,3n)
Cross Section
78-Pt-192
-1.911 To 35.78 %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 15.204 MeV
n-Pt192.jeff3.3 Threshold 15.189 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
78-Pt-192

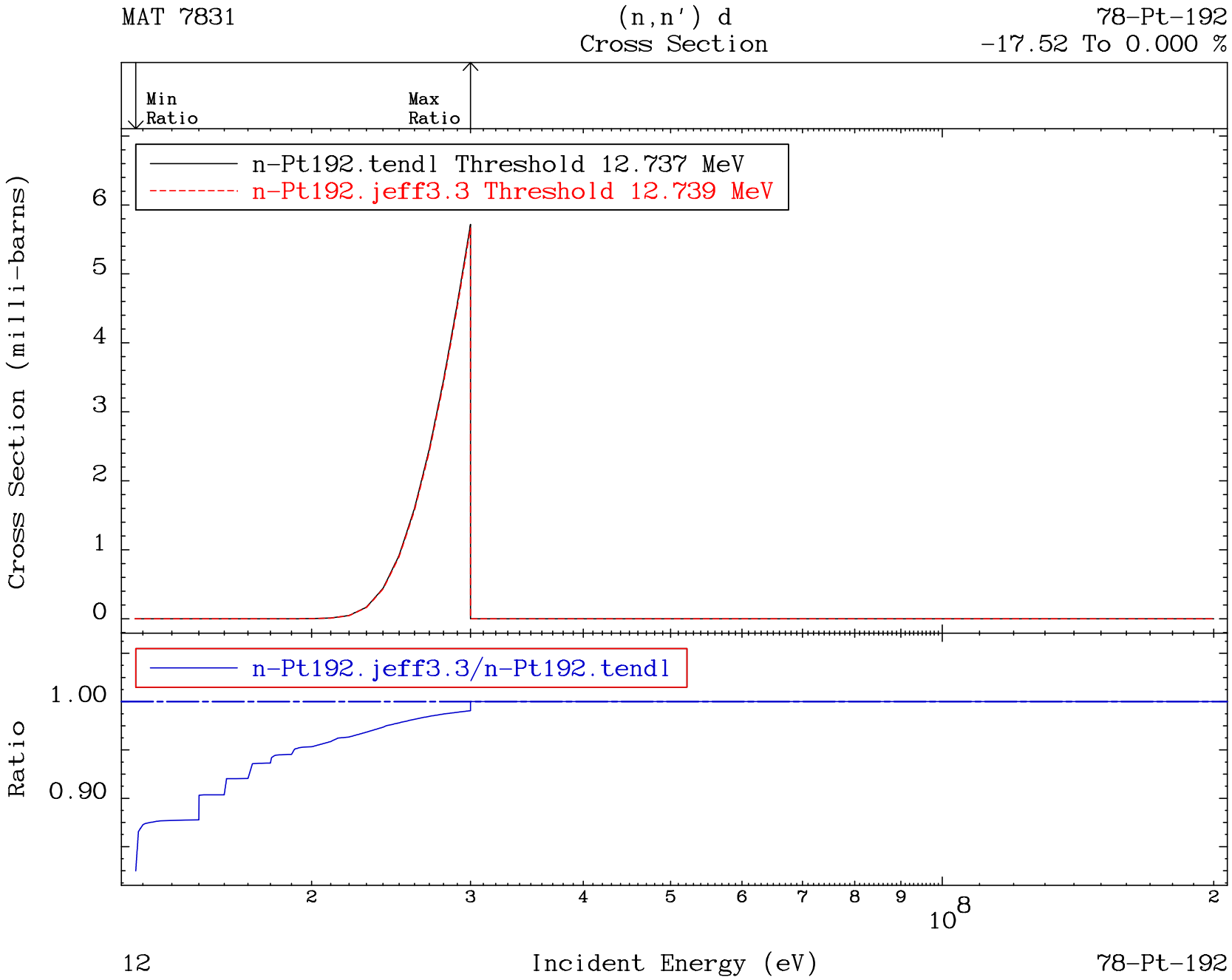

MAT 7831
(n,n') α
Cross Section
78-Pt-192
-17.88 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 34.803 keV
n-Pt192.jeff3.3 Threshold 34.794 keV
Cross Section (milli-barns)
16
12
8
4
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
7
Incident Energy (eV)
78-Pt-192

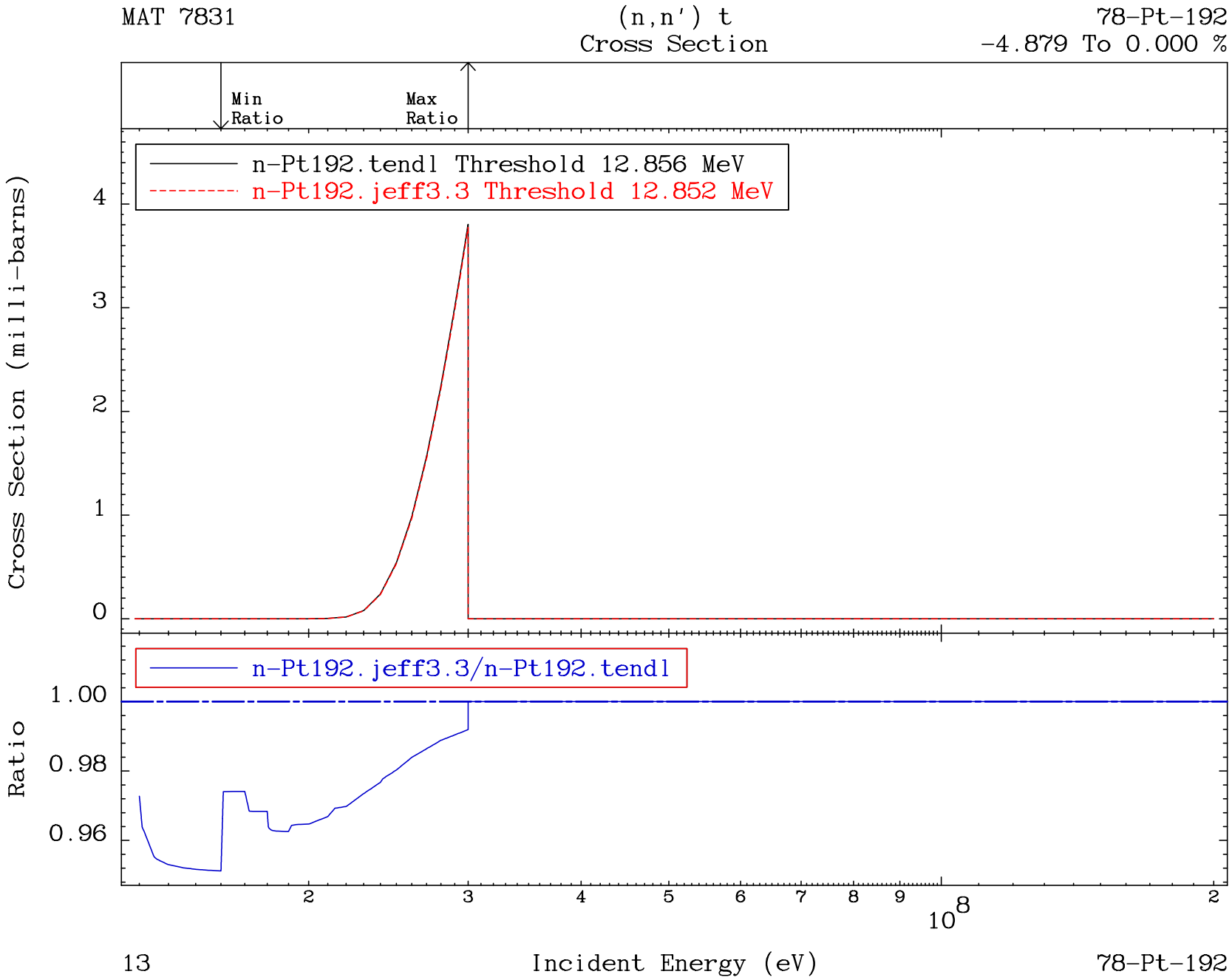

MAT 7831
(n,2n) α
Cross Section
78-Pt-192
-16.58 To 9999. %
Max
Ratio
Min
Ratio
n-Pt192.tendl Threshold 5.5950 MeV
n-Pt192.jeff3.3 Threshold 5.5967 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^0
10^2
10^4
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
8
Incident Energy (eV)
78-Pt-192

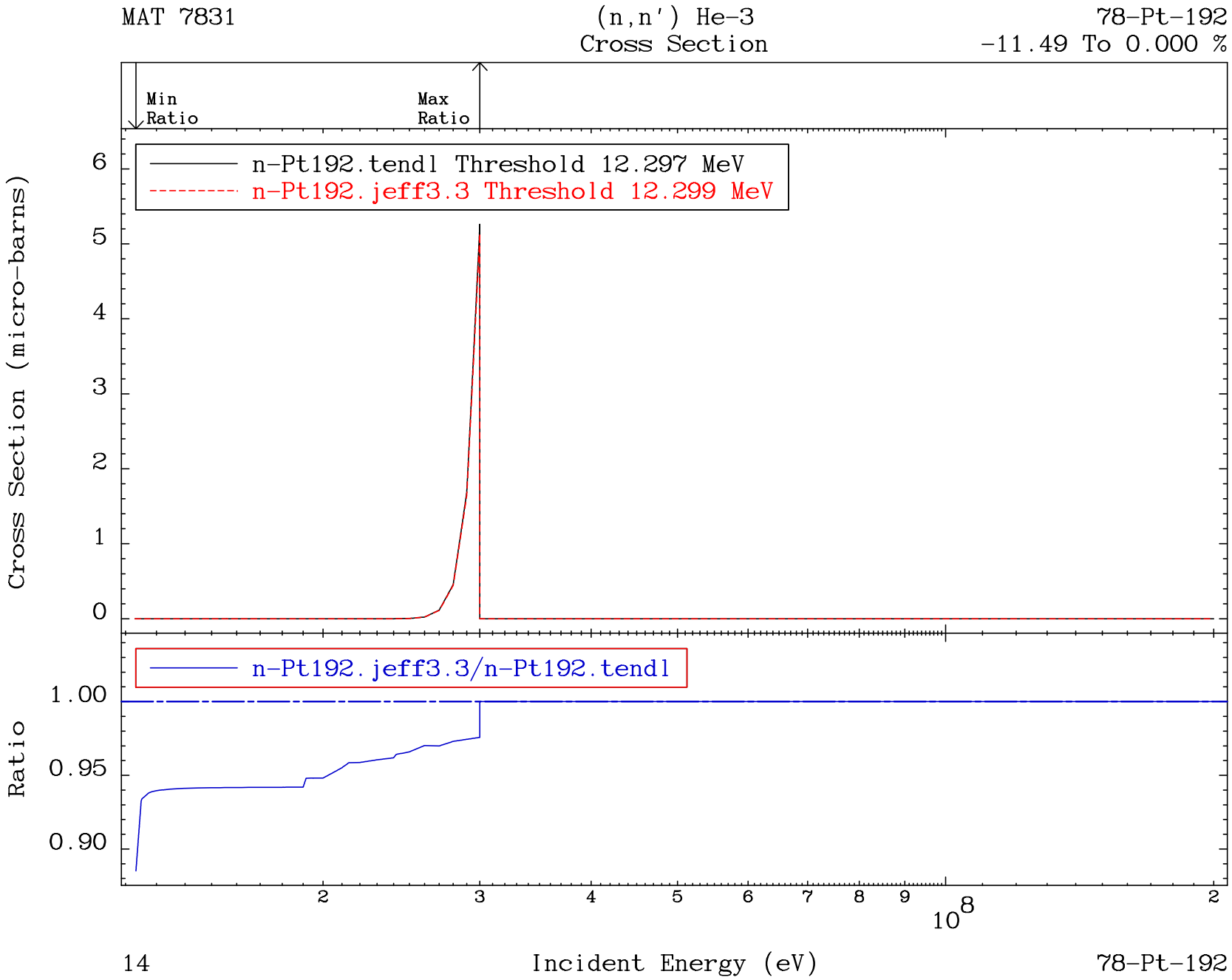

MAT 7831
(n,3n) α
Cross Section
78-Pt-192
-1.675 To 9999. %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 11.918 MeV
n-Pt192.jeff3.3 Threshold 11.920 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^6
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-192

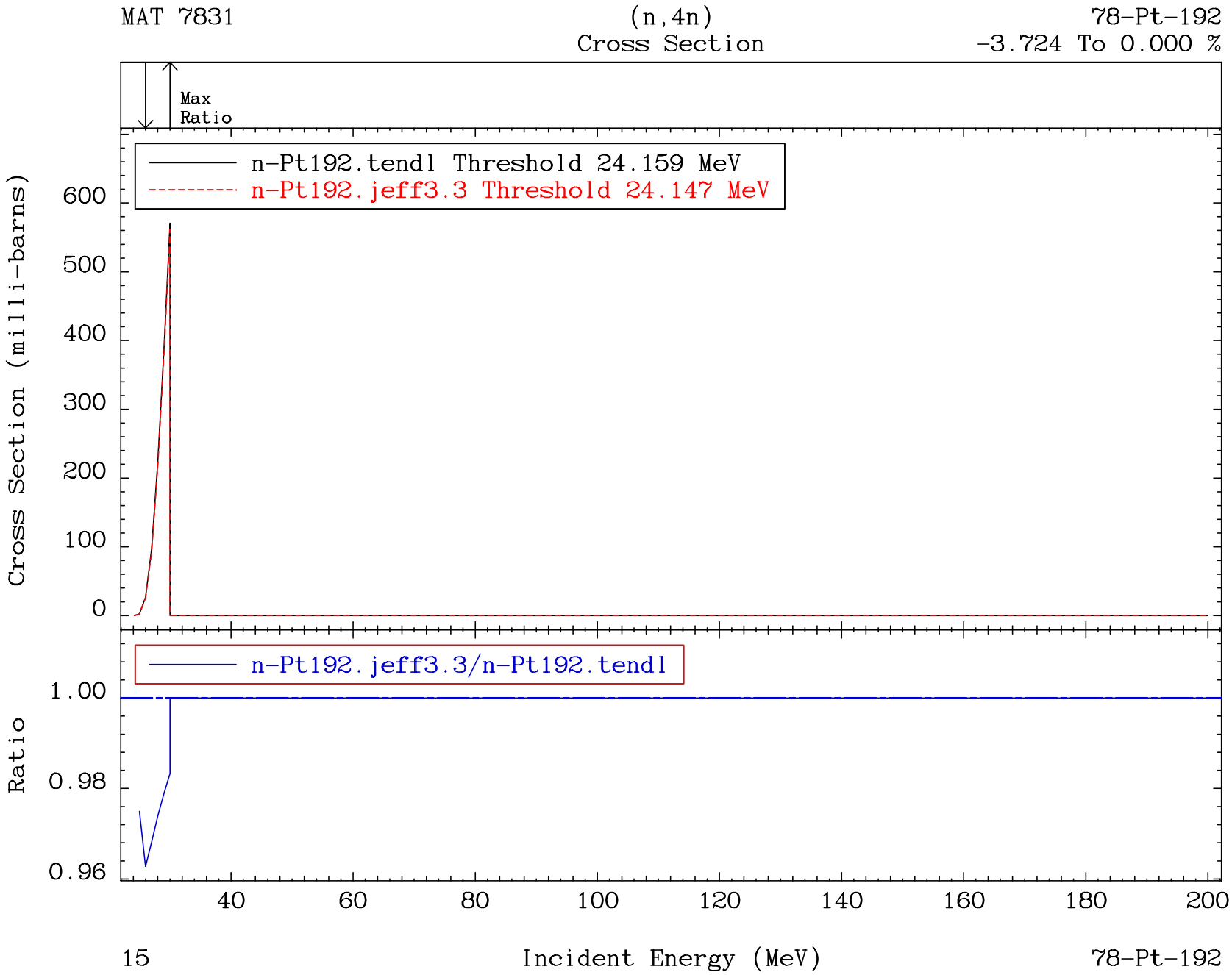

MAT 7831
(n,n') p
Cross Section
78-Pt-192
-10.72 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.9048 MeV
n-Pt192.jeff3.3 Threshold 6.9064 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
78-Pt-192

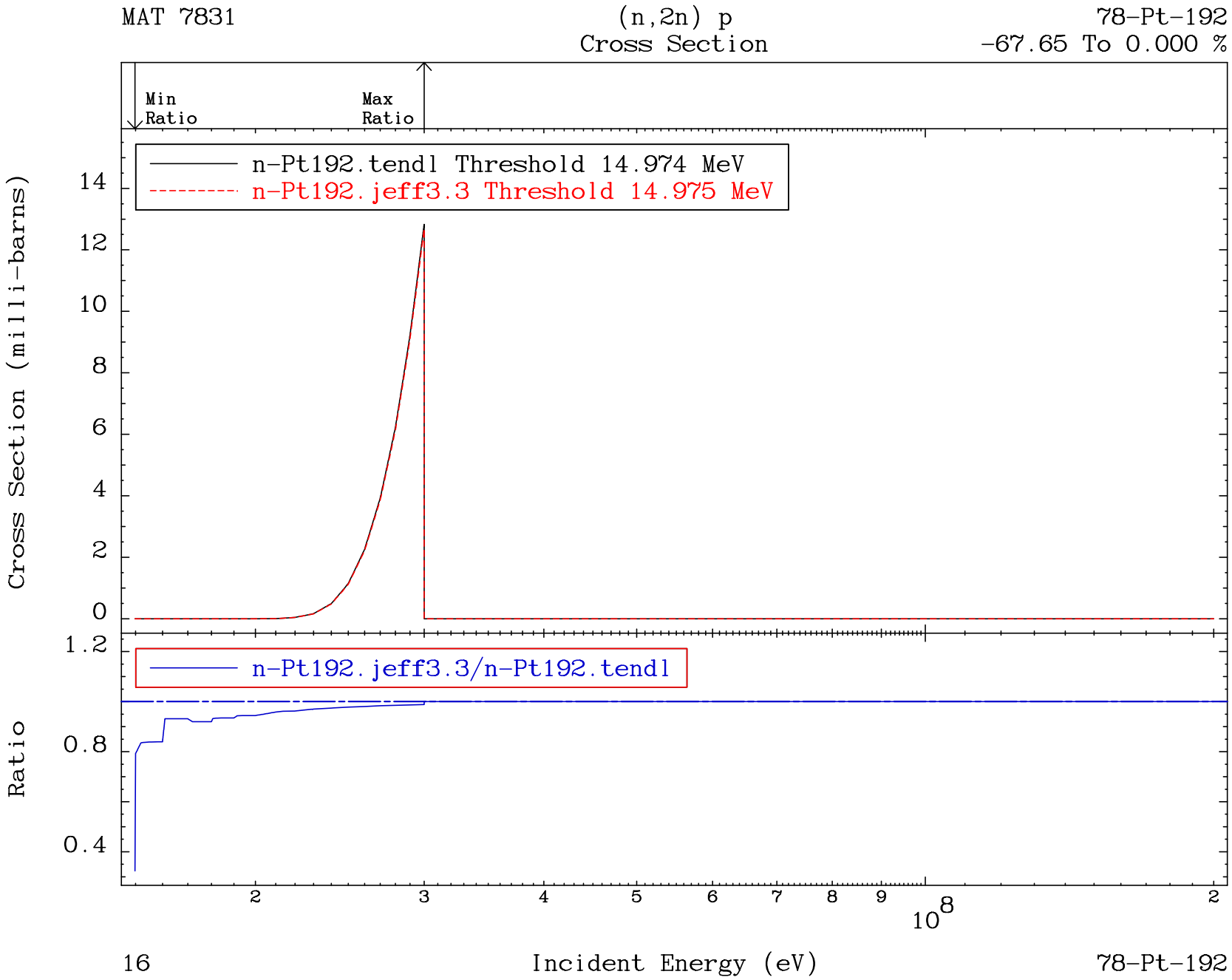

MAT 7831
(n,n') 2α
Cross Section
78-Pt-192
0.000 To 9999. %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 34.803 keV
n-Pt192.jeff3.3 Threshold 34.794 keV
Cross Section (10^-9 barns)
0
2
4
6
8
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^0
10^2
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
11
78-Pt-192

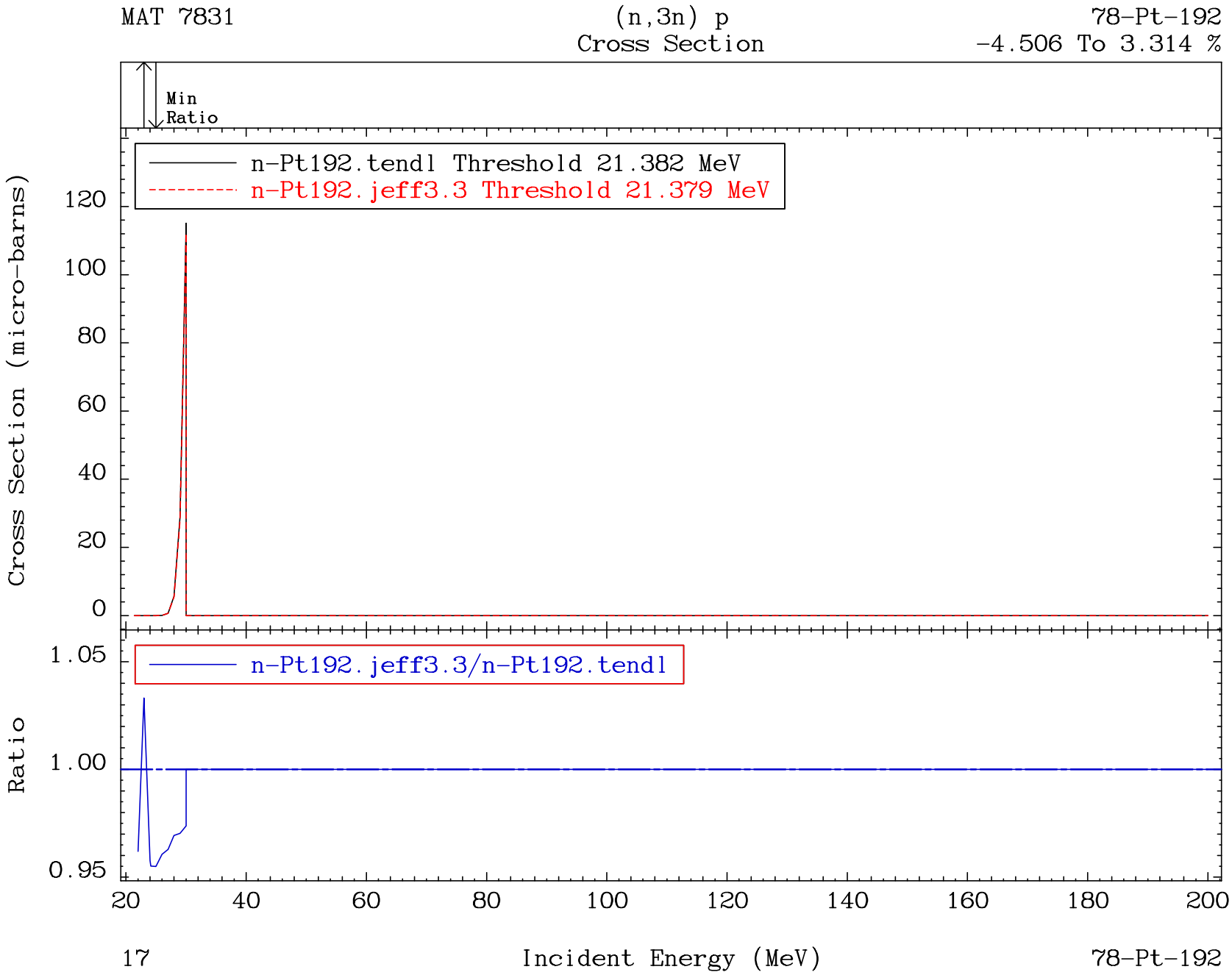

MAT 7831
(n,n') d
Cross Section
78-Pt-192
-17.52 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.737 MeV
n-Pt192.jeff3.3 Threshold 12.739 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
78-Pt-192

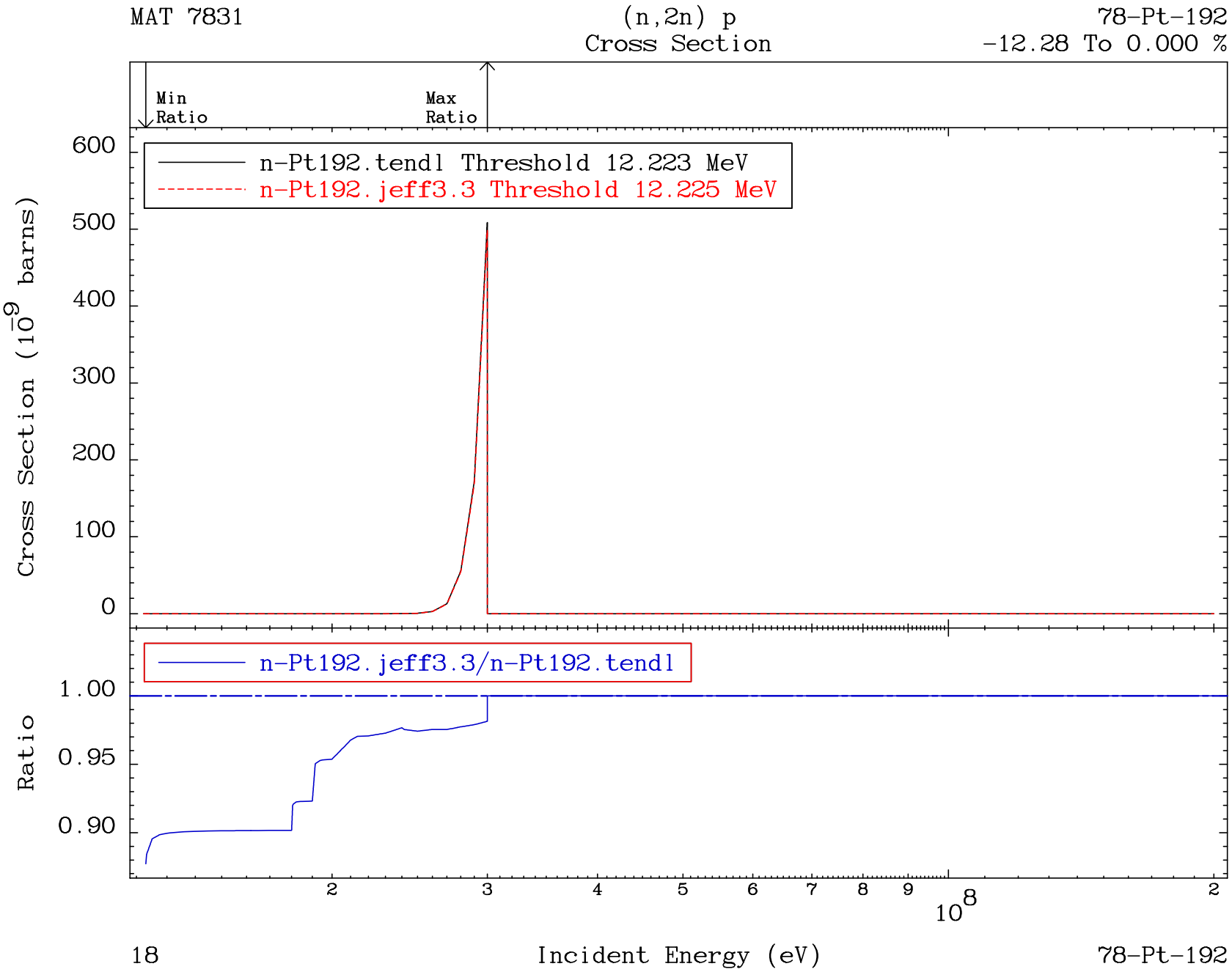

MAT 7831
(n,n') t
Cross Section
78-Pt-192
-4.879 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.856 MeV
n-Pt192.jeff3.3 Threshold 12.852 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
78-Pt-192

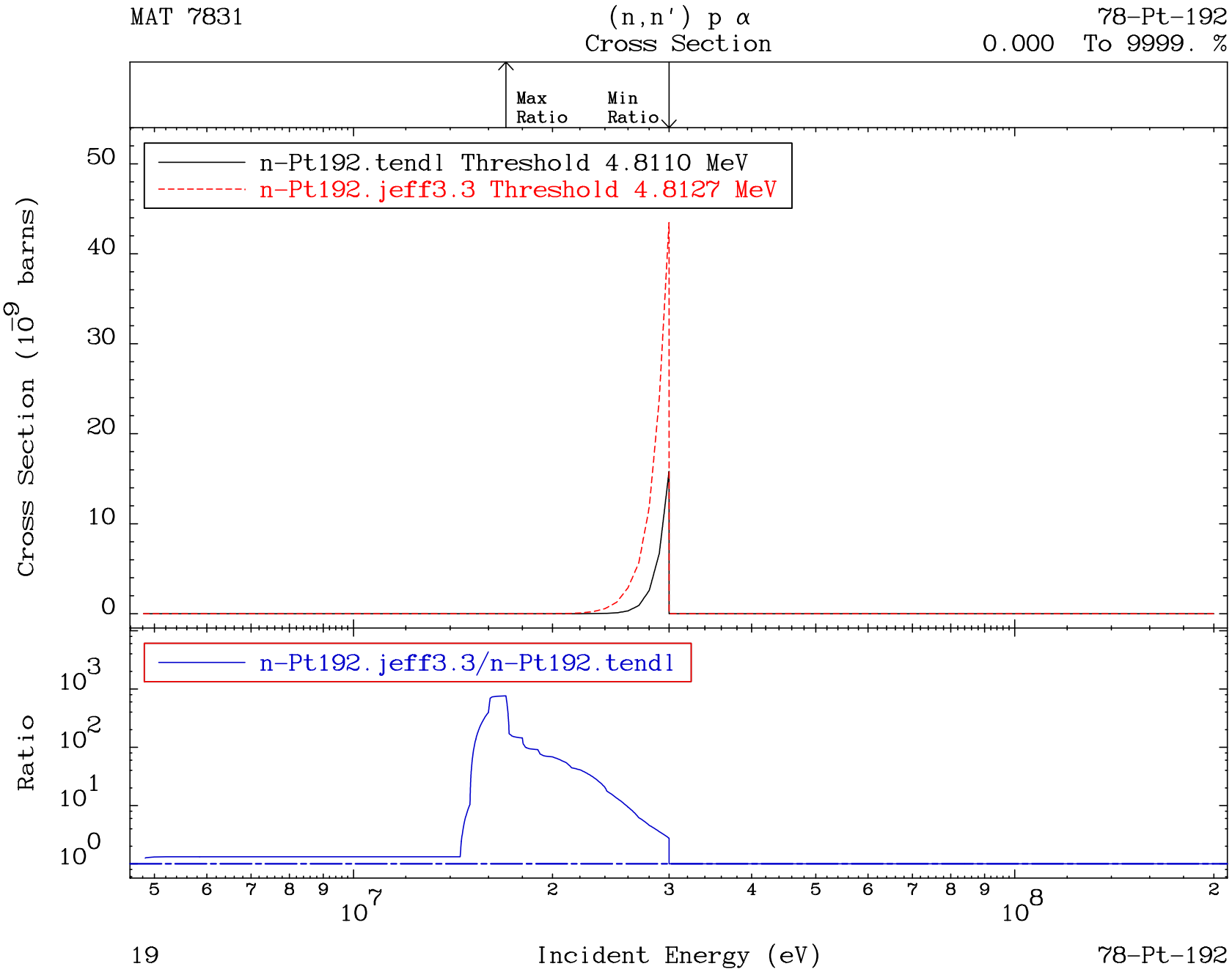

MAT 7831
(n,n') He-3
Cross Section
78-Pt-192
-11.49 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.297 MeV
n-Pt192.jeff3.3 Threshold 12.299 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
78-Pt-192

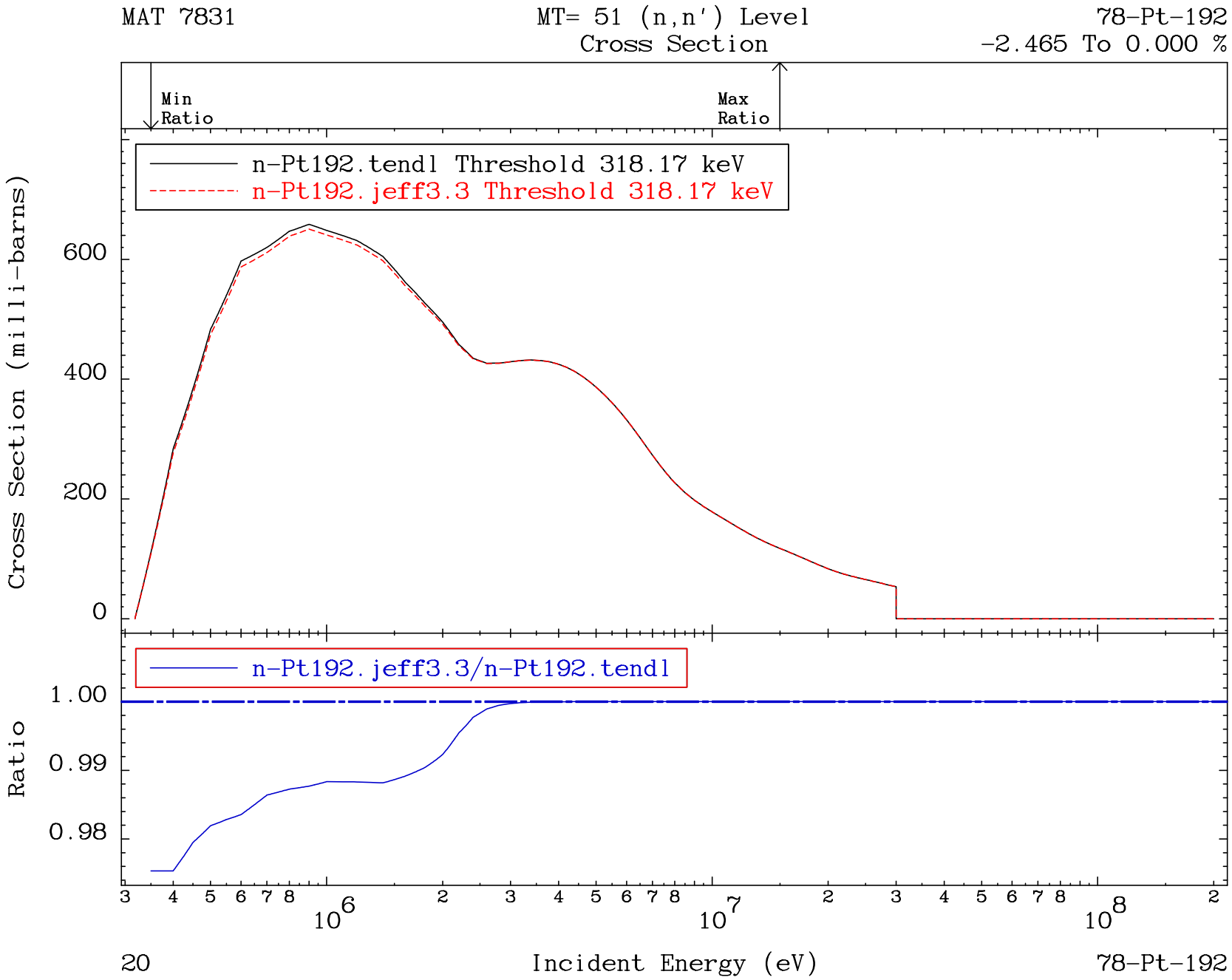

MAT 7831
(n,4n)
Cross Section
78-Pt-192
-3.724 To 0.000 %
Max
Ratio
n-Pt192.tendl Threshold 24.159 MeV
n-Pt192.jeff3.3 Threshold 24.147 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
78-Pt-192

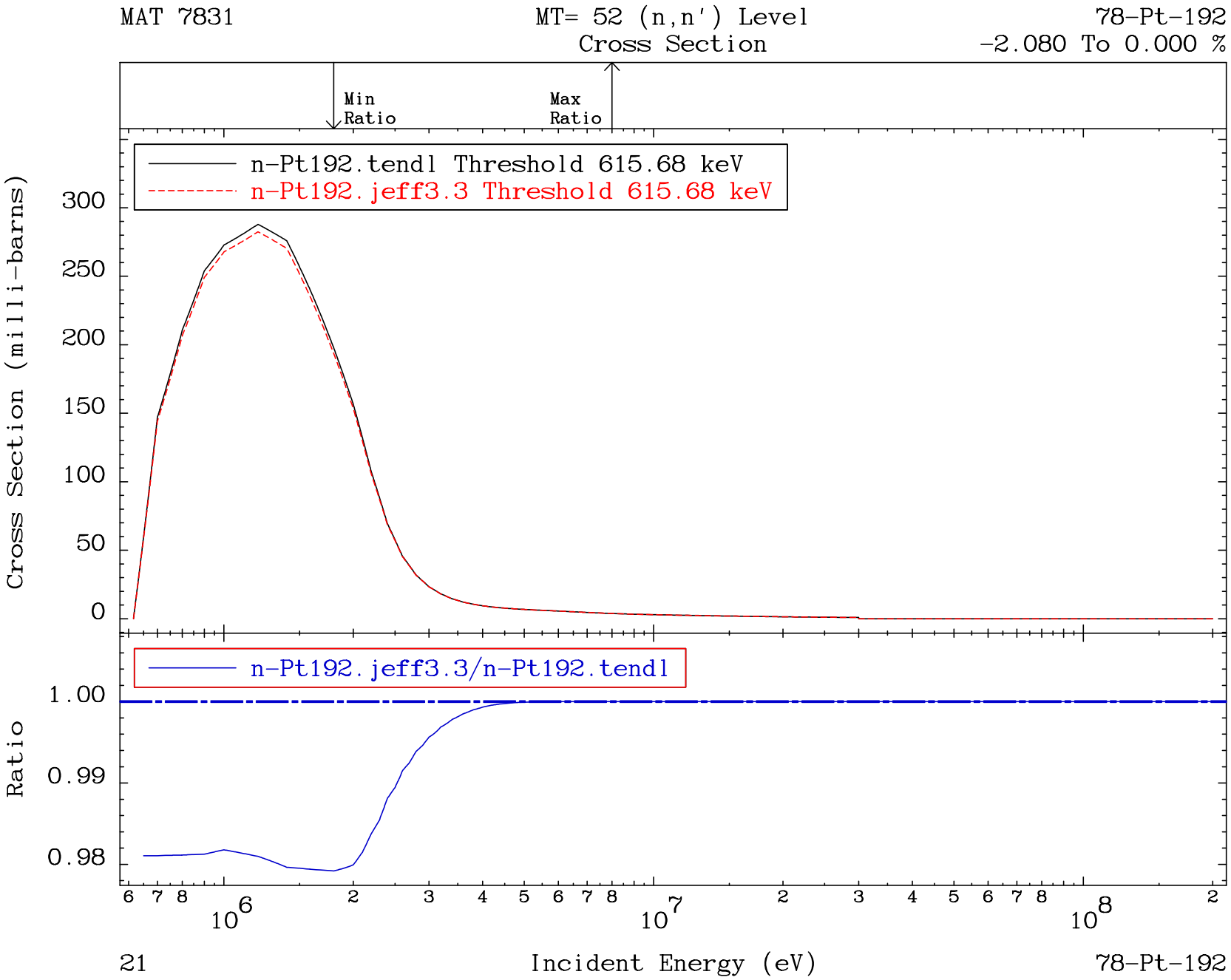

MAT 7831
(n,2n) p
Cross Section
78-Pt-192
-67.65 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 14.974 MeV
n-Pt192.jeff3.3 Threshold 14.975 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
78-Pt-192

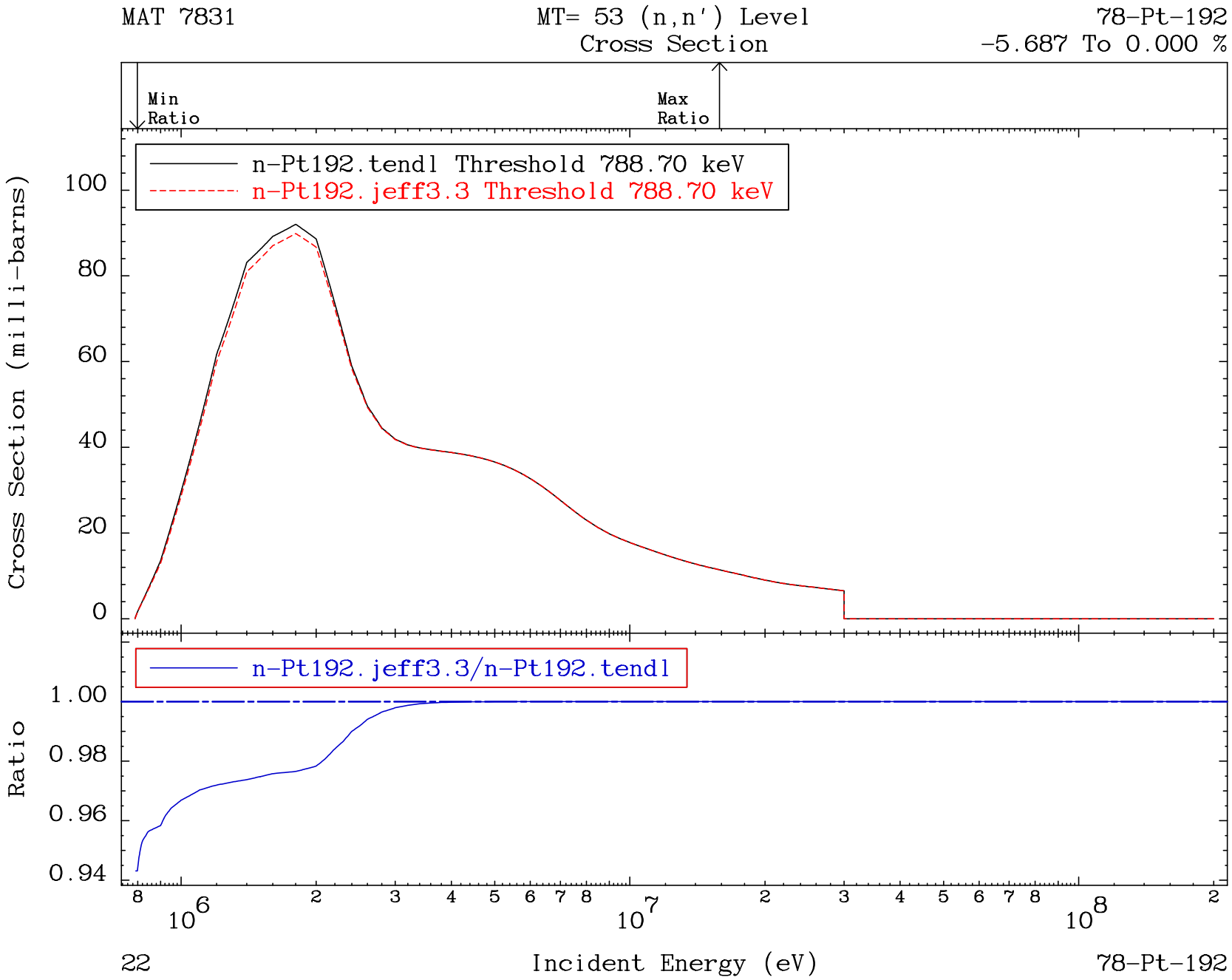

MAT 7831
(n,3n) p
Cross Section
78-Pt-192
-4.506 To 3.314 %
Min
Ratio
n-Pt192.tendl Threshold 21.382 MeV
n-Pt192.jeff3.3 Threshold 21.379 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.05
1.00
0.95
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
78-Pt-192

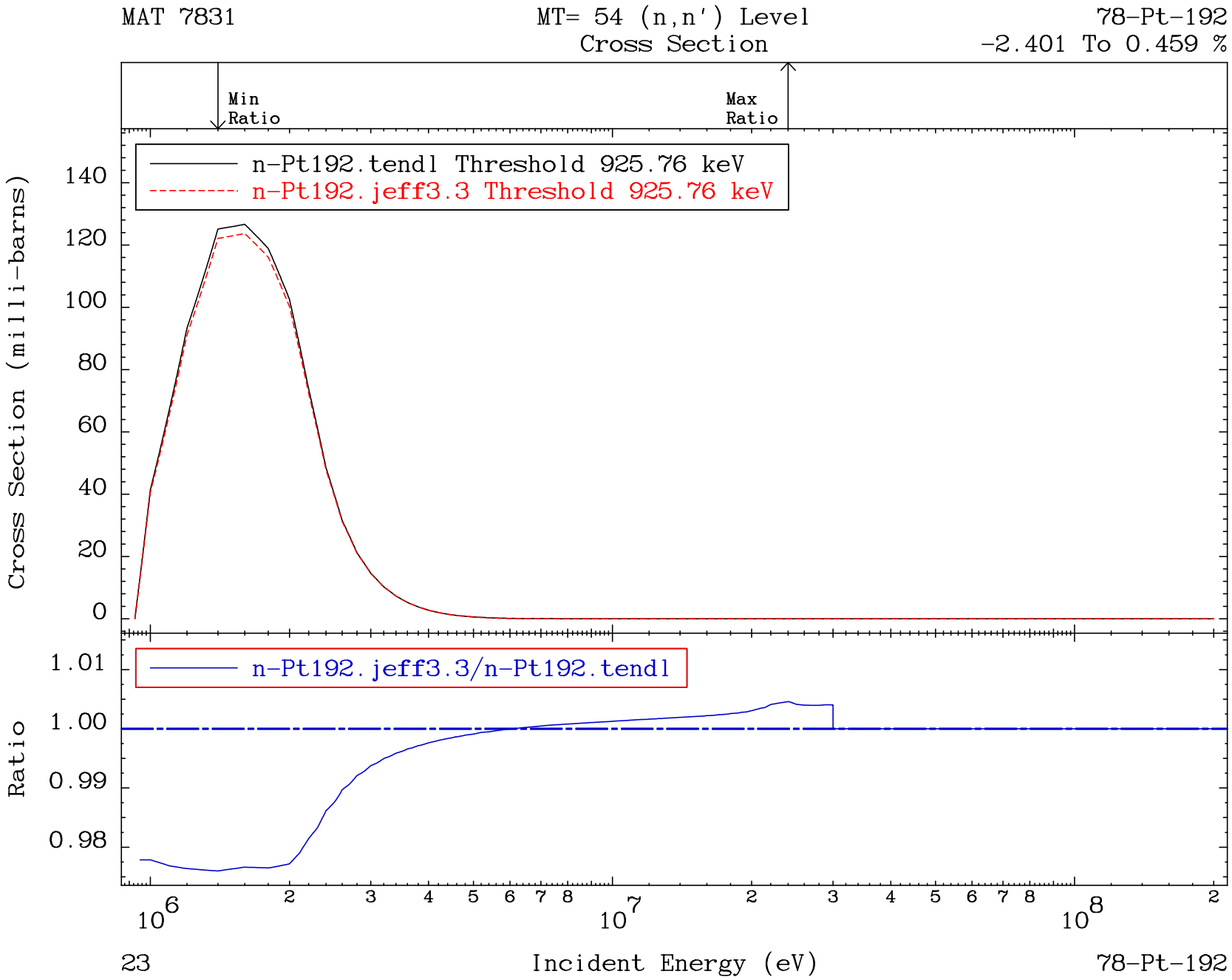

MAT 7831
(n,2n) p
Cross Section
78-Pt-192
-12.28 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.223 MeV
n-Pt192.jeff3.3 Threshold 12.225 MeV
Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^{8}
2
18
Incident Energy (eV)
78-Pt-192

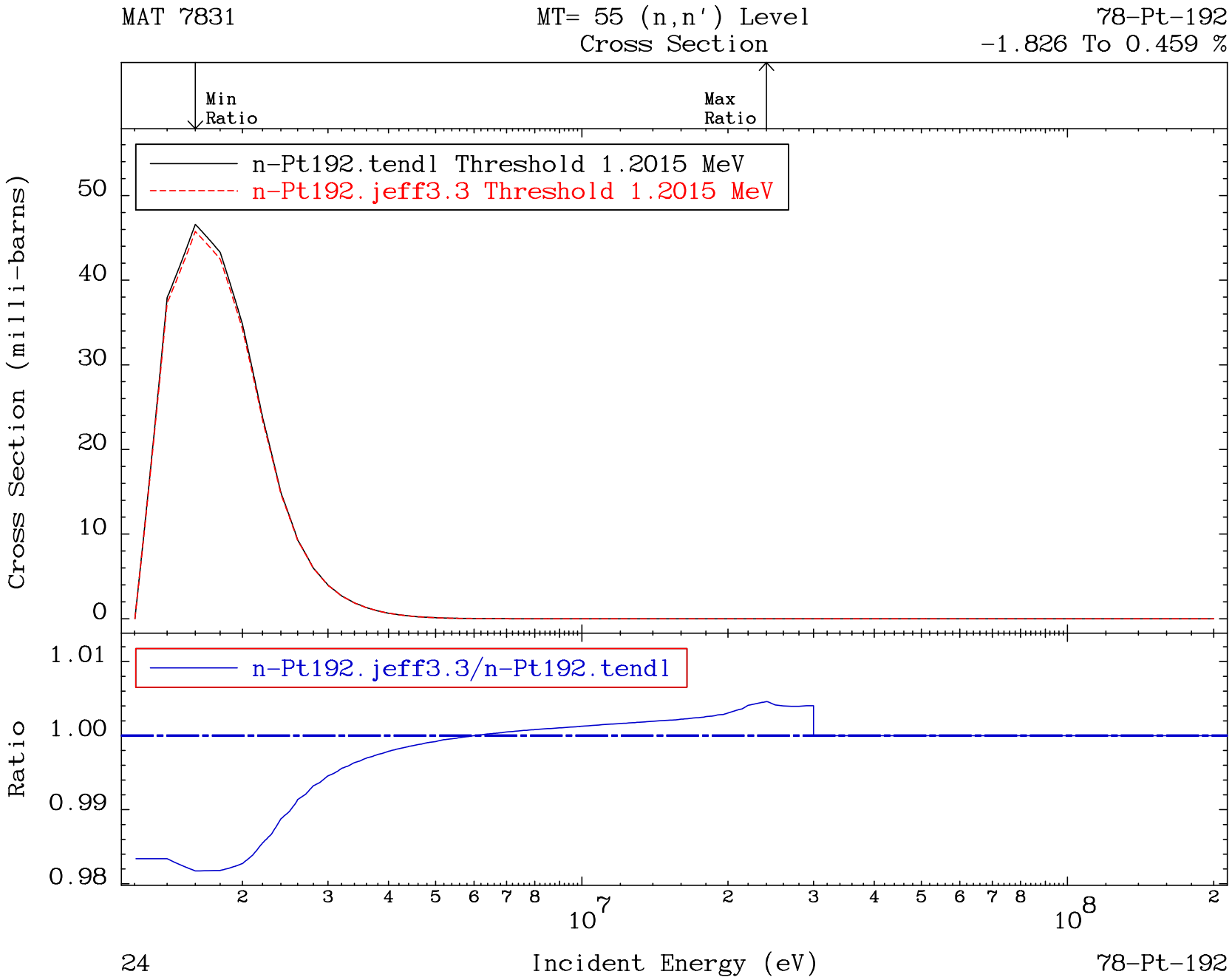

MAT 7831
(n,n') p α
Cross Section
78-Pt-192
0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 4.8110 MeV
n-Pt192.jeff3.3 Threshold 4.8127 MeV
Cross Section (10^-9 barns)
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^3
10^2
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
78-Pt-192

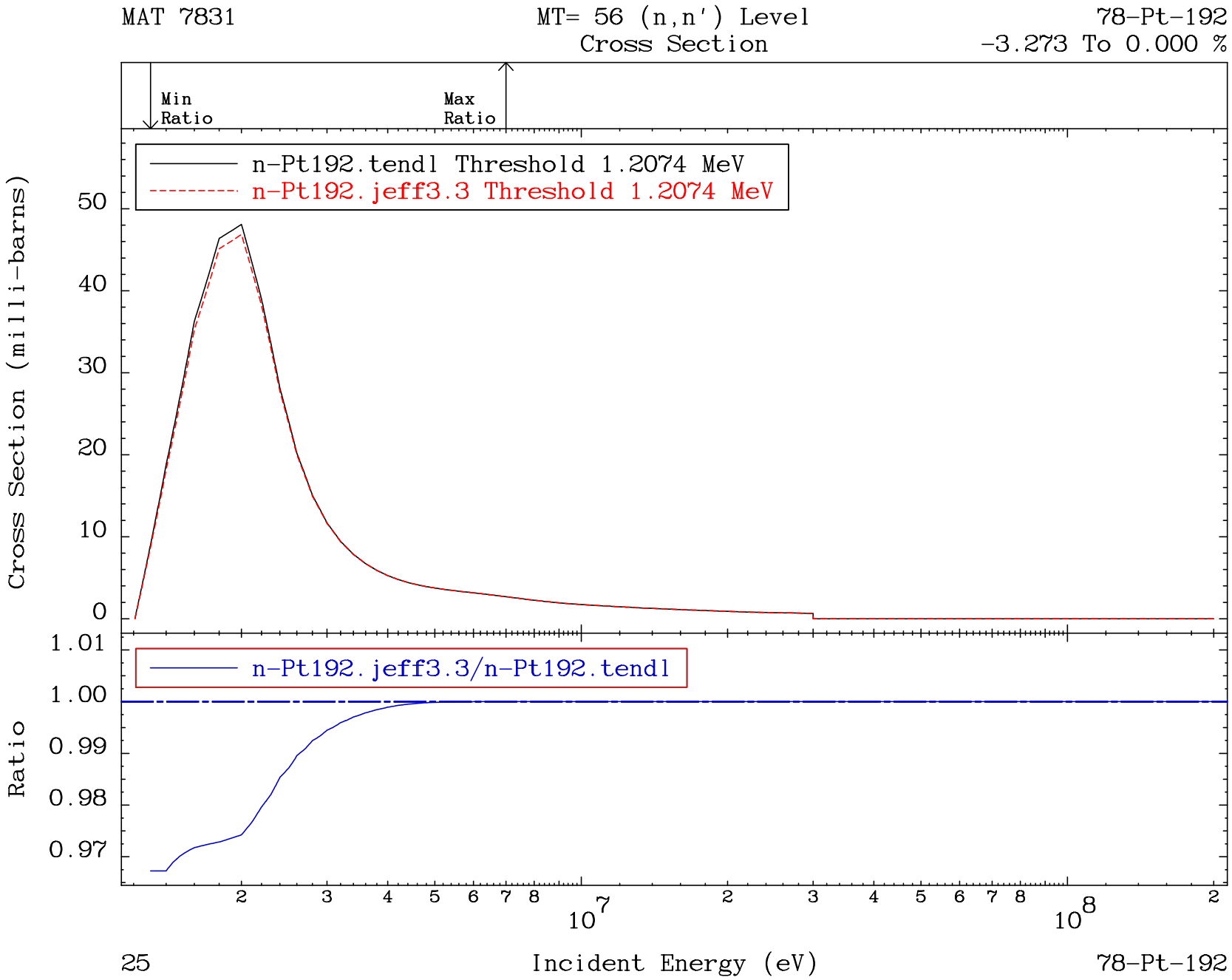

MAT 7831
MT= 51 (n,n') Level
Cross Section
78-Pt-192
-2.465 To 0.000 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 318.17 keV
n-Pt192.jeff3.3 Threshold 318.17 keV
Cross Section (milli-barns)
600
400
200
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
78-Pt-192

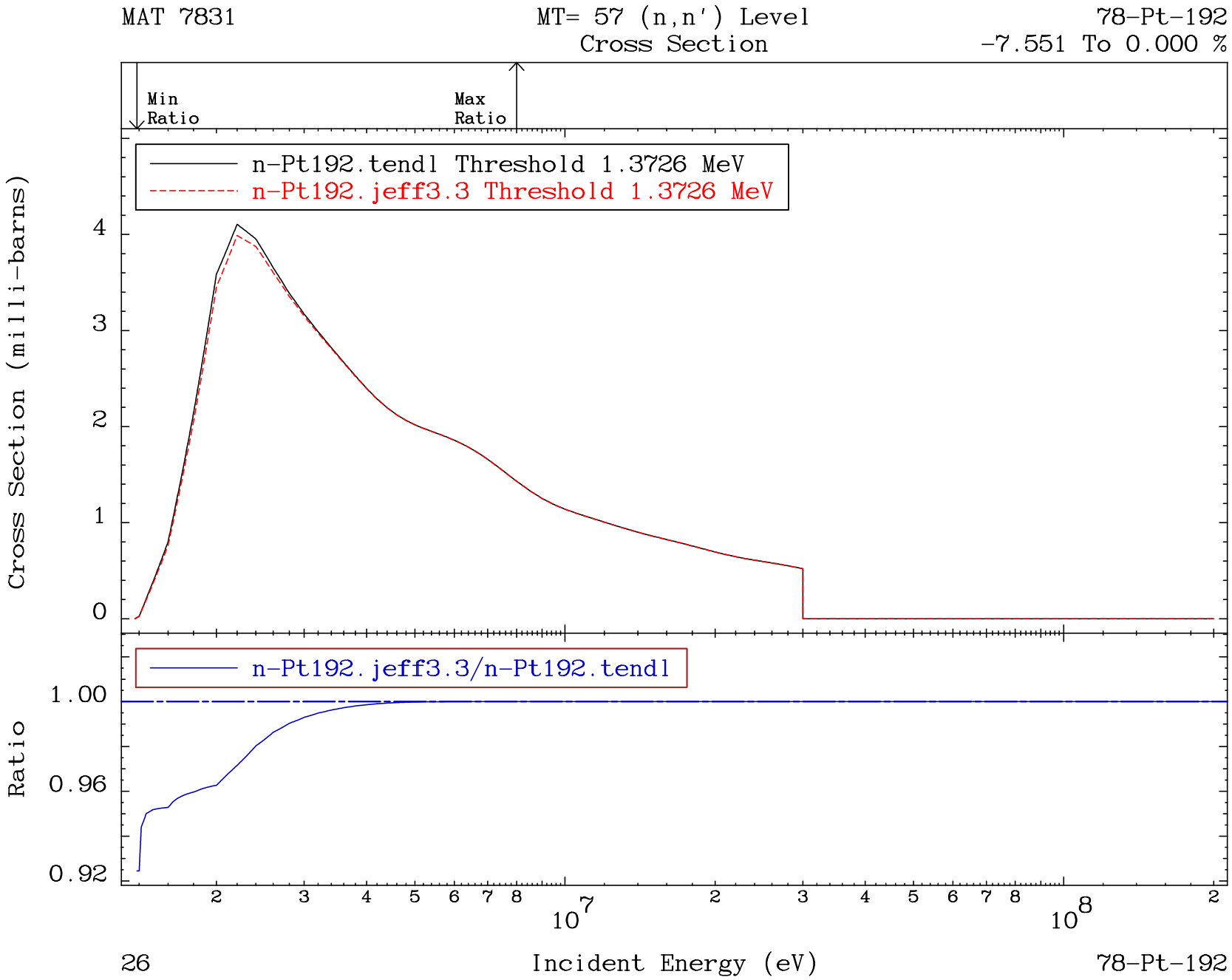

MAT 7831
MT= 52 (n,n') Level
Cross Section
78-Pt-192
-2.080 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 615.68 keV
n-Pt192.jeff3.3 Threshold 615.68 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
78-Pt-192

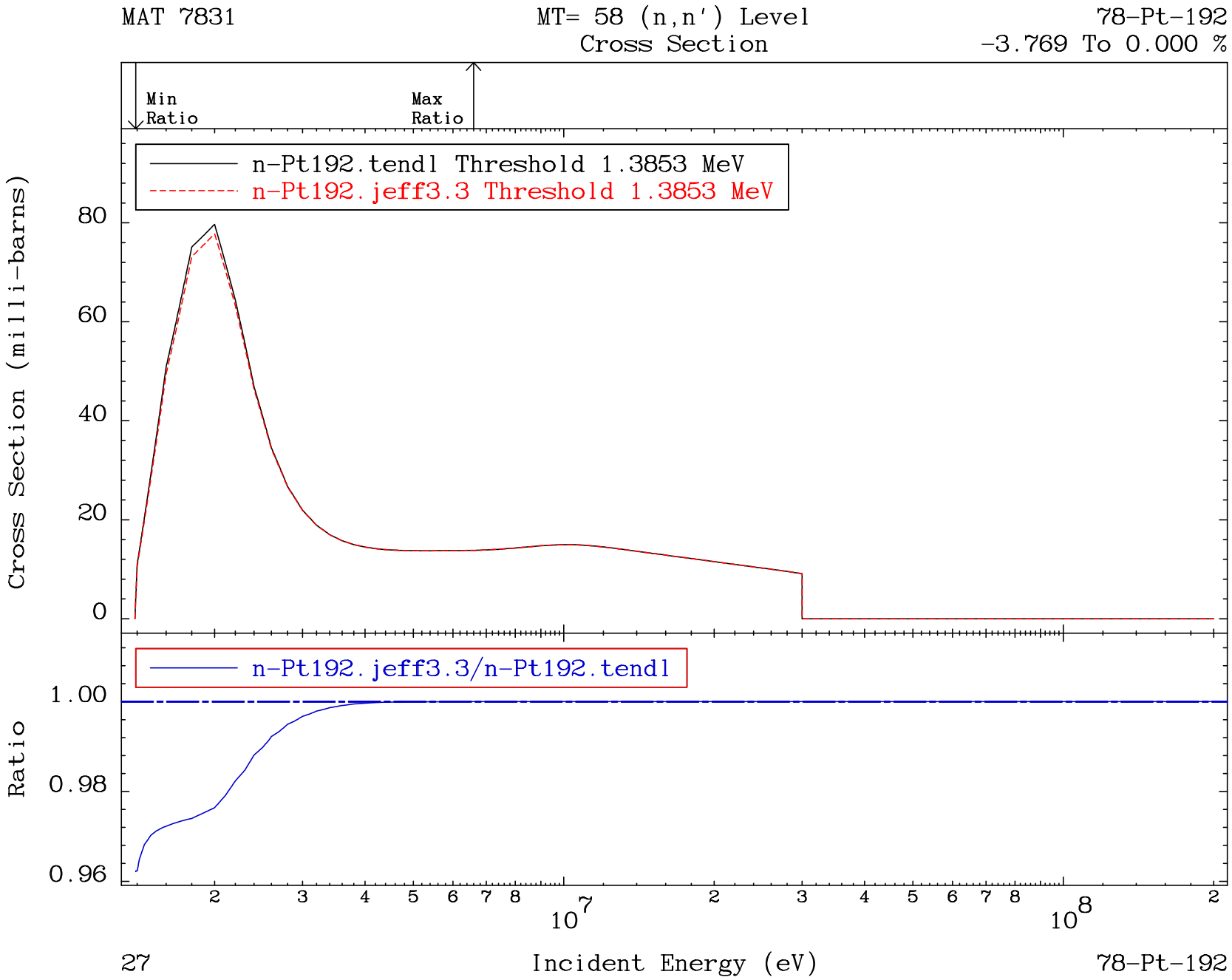

MAT 7831
MT= 53 (n,n') Level
Cross Section
78-Pt-192
-5.687 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 788.70 keV
n-Pt192.jeff3.3 Threshold 788.70 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
0.94
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
78-Pt-192

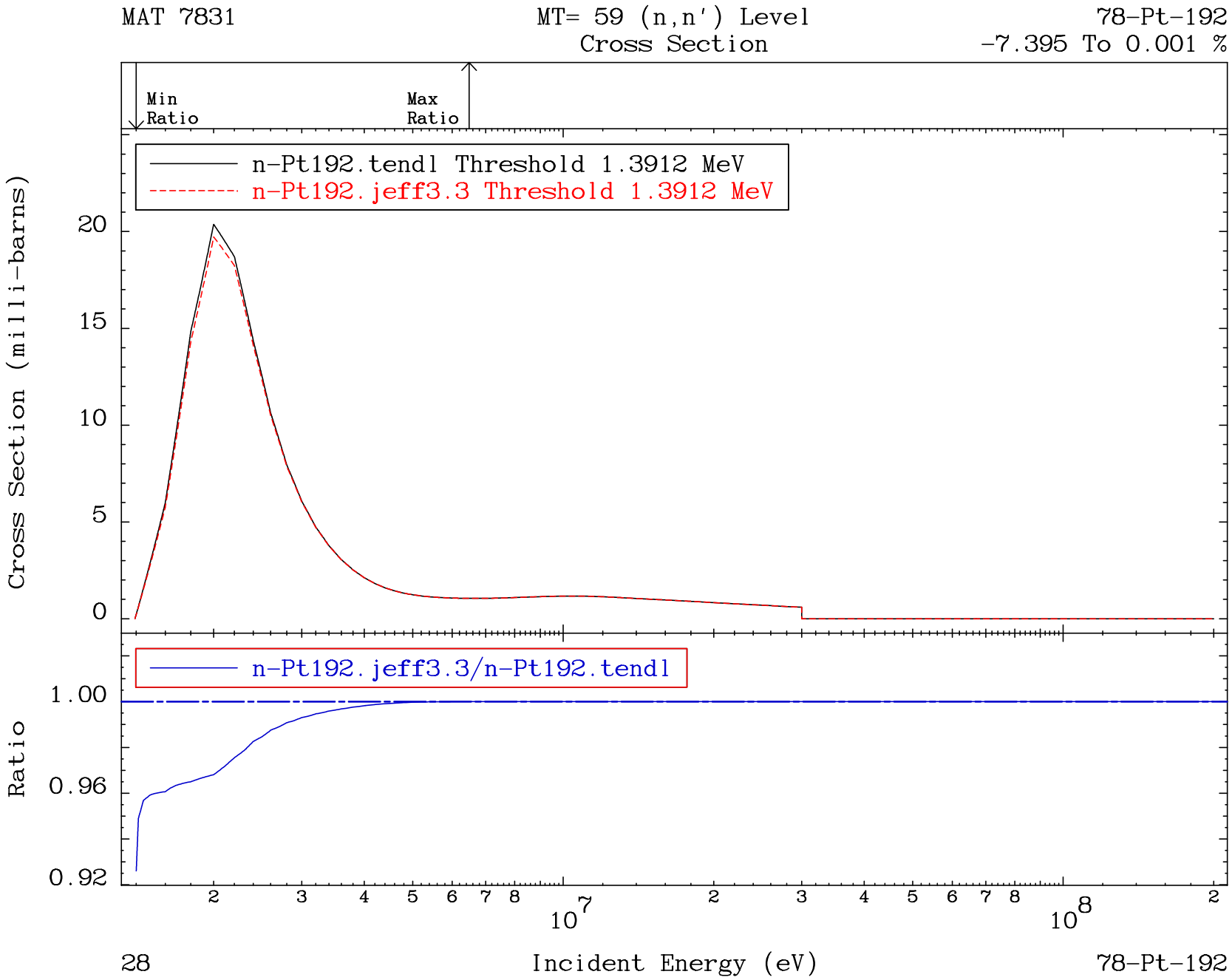

MAT 7831
MT= 54 (n,n') Level
Cross Section
78-Pt-192
-2.401 To 0.459 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 925.76 keV
n-Pt192.jeff3.3 Threshold 925.76 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
10^6
10^7
10^8
23
Incident Energy (eV)
78-Pt-192

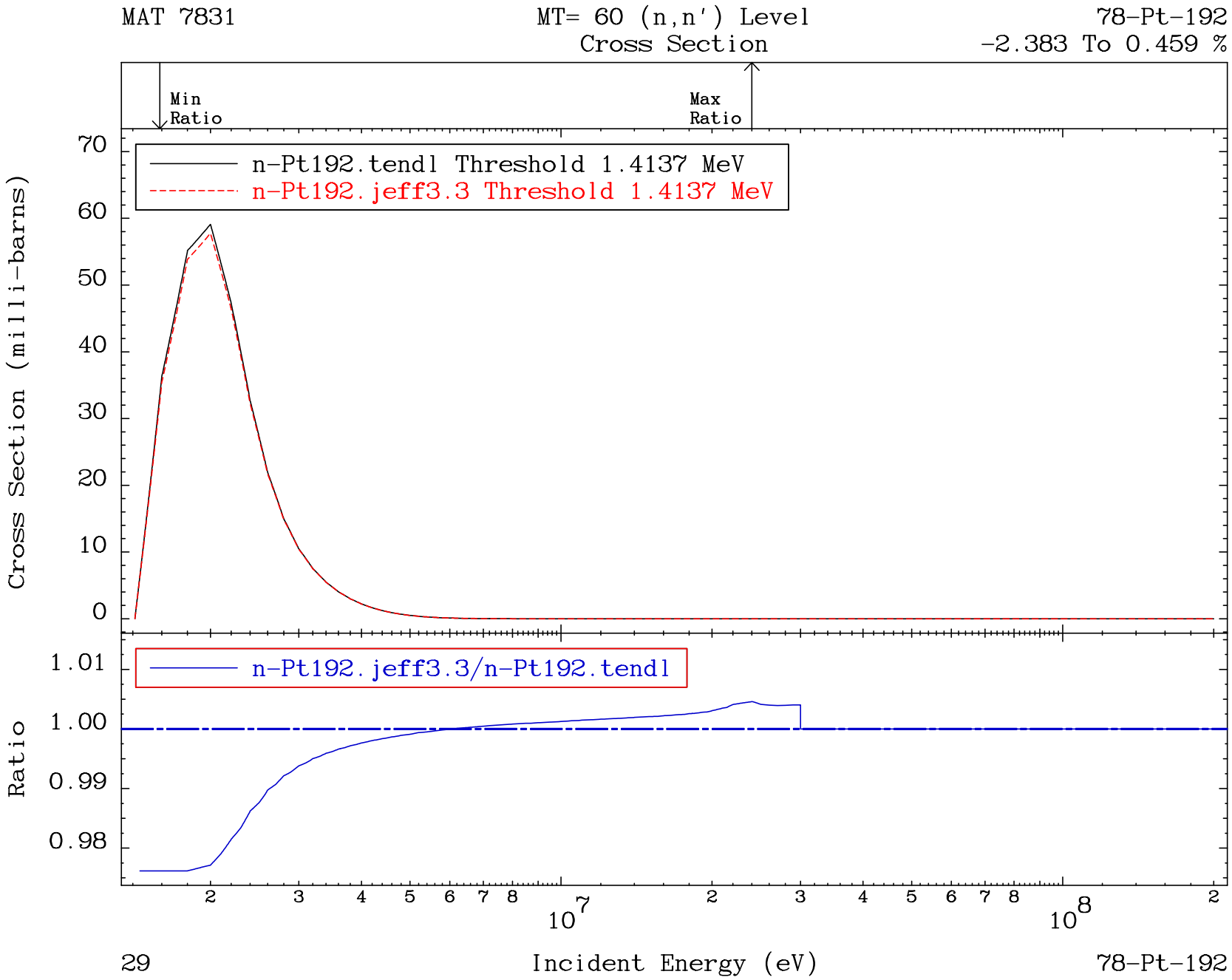

MAT 7831
MT= 55 (n,n') Level
Cross Section
78-Pt-192
-1.826 To 0.459 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.2015 MeV
n-Pt192.jeff3.3 Threshold 1.2015 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
78-Pt-192

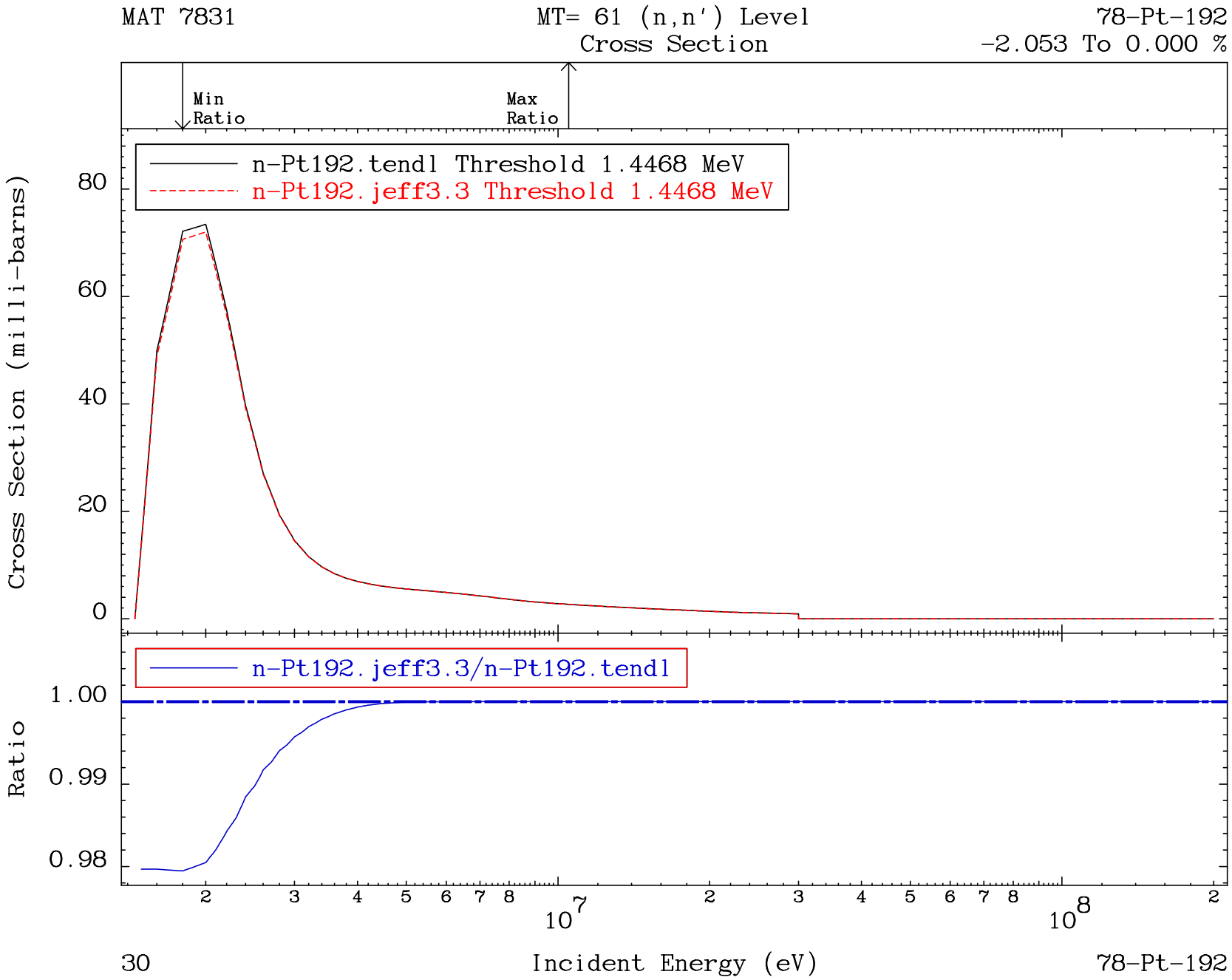

MAT 7831
MT= 56 (n,n') Level
Cross Section
78-Pt-192
-3.273 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.2074 MeV
n-Pt192.jeff3.3 Threshold 1.2074 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
0.97
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
78-Pt-192

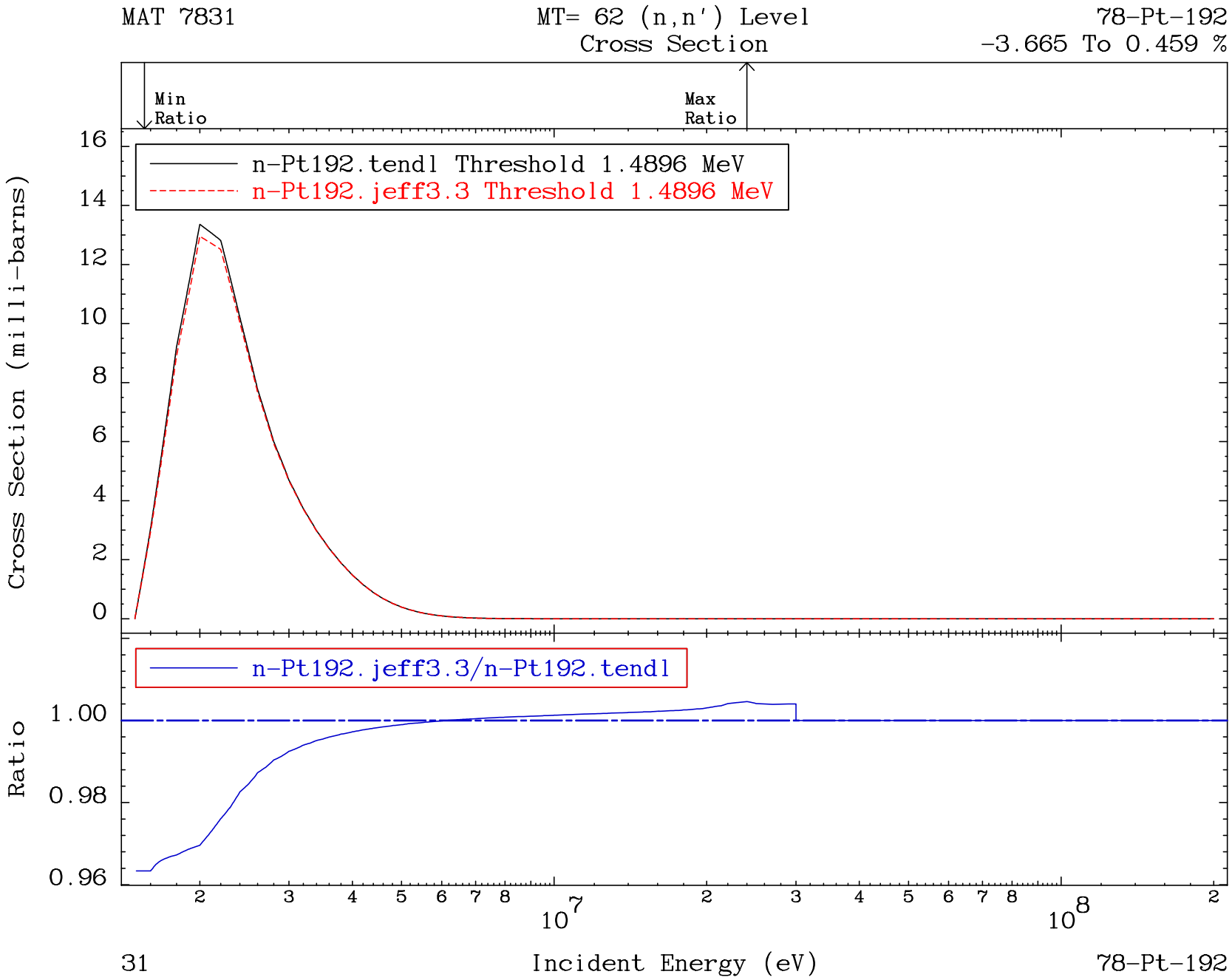

MAT 7831
MT= 57 (n,n') Level
Cross Section
78-Pt-192
-7.551 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.3726 MeV
n-Pt192.jeff3.3 Threshold 1.3726 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
78-Pt-192

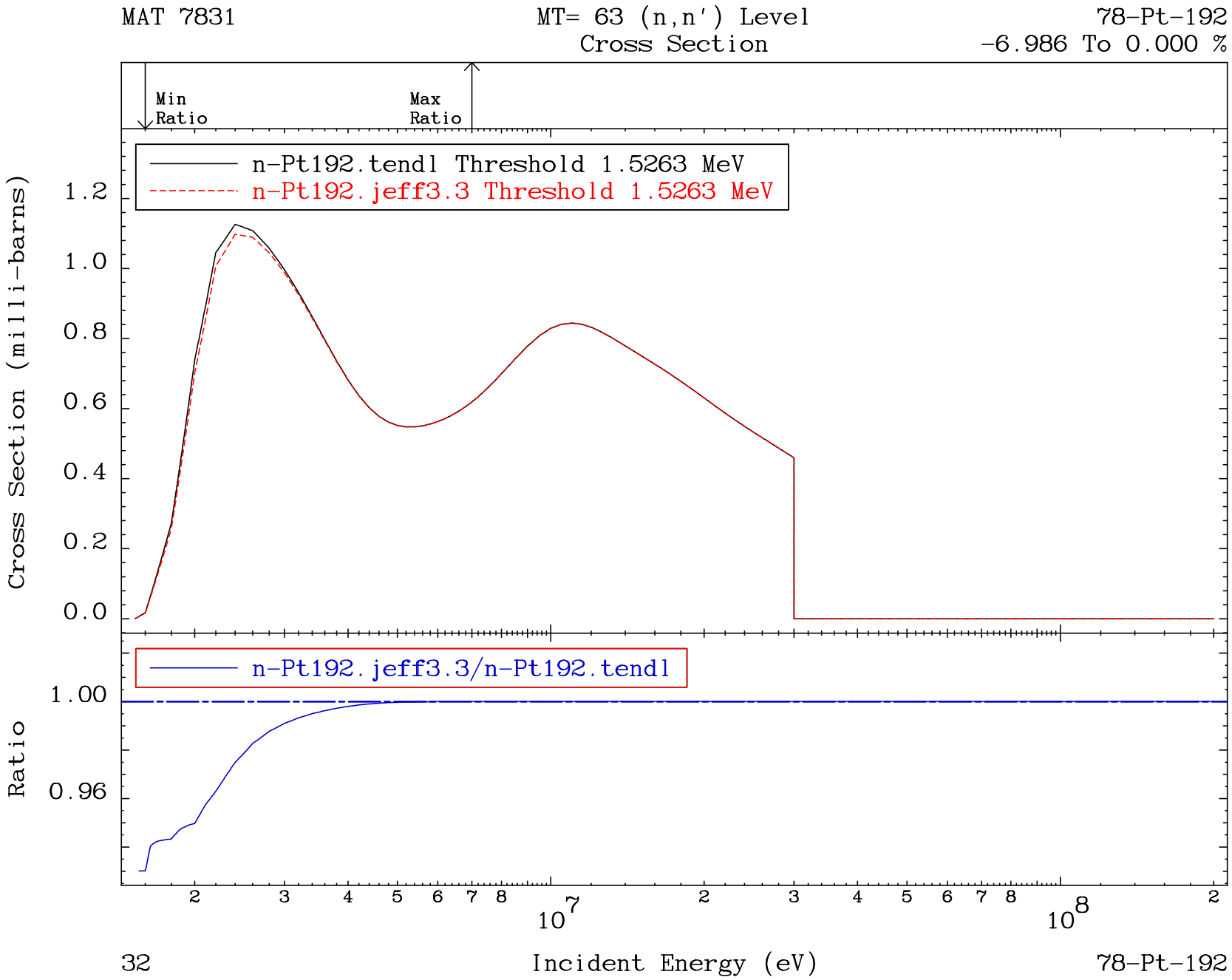

MAT 7831
MT= 58 (n,n') Level
Cross Section
78-Pt-192
-3.769 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.3853 MeV
n-Pt192.jeff3.3 Threshold 1.3853 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
78-Pt-192

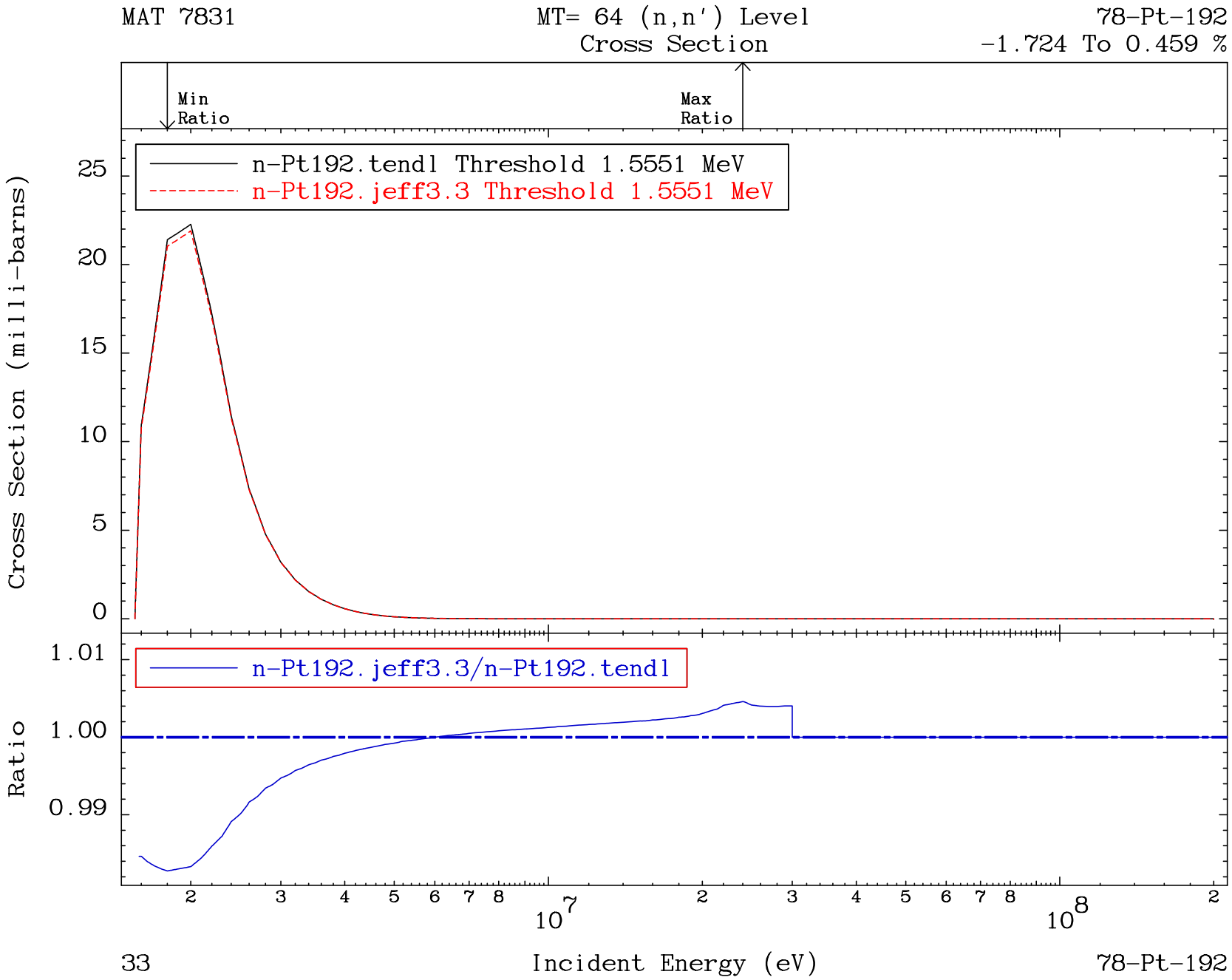

MAT 7831
MT= 59 (n,n') Level
Cross Section
78-Pt-192
-7.395 To 0.001 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.3912 MeV
n-Pt192.jeff3.3 Threshold 1.3912 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
78-Pt-192

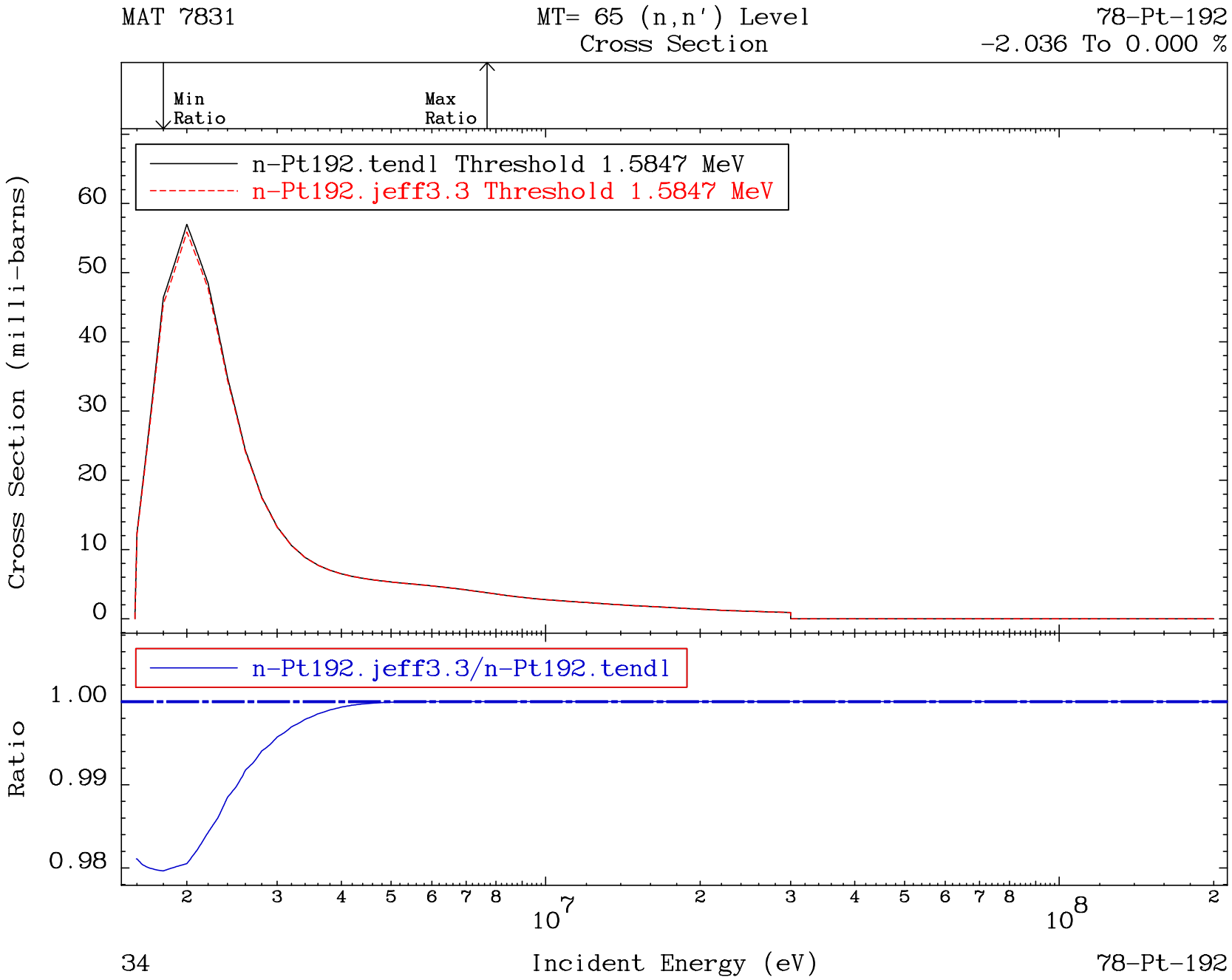

MAT 7831
MT= 60 (n,n') Level
Cross Section
78-Pt-192
-2.383 To 0.459 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.4137 MeV
n-Pt192.jeff3.3 Threshold 1.4137 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
78-Pt-192

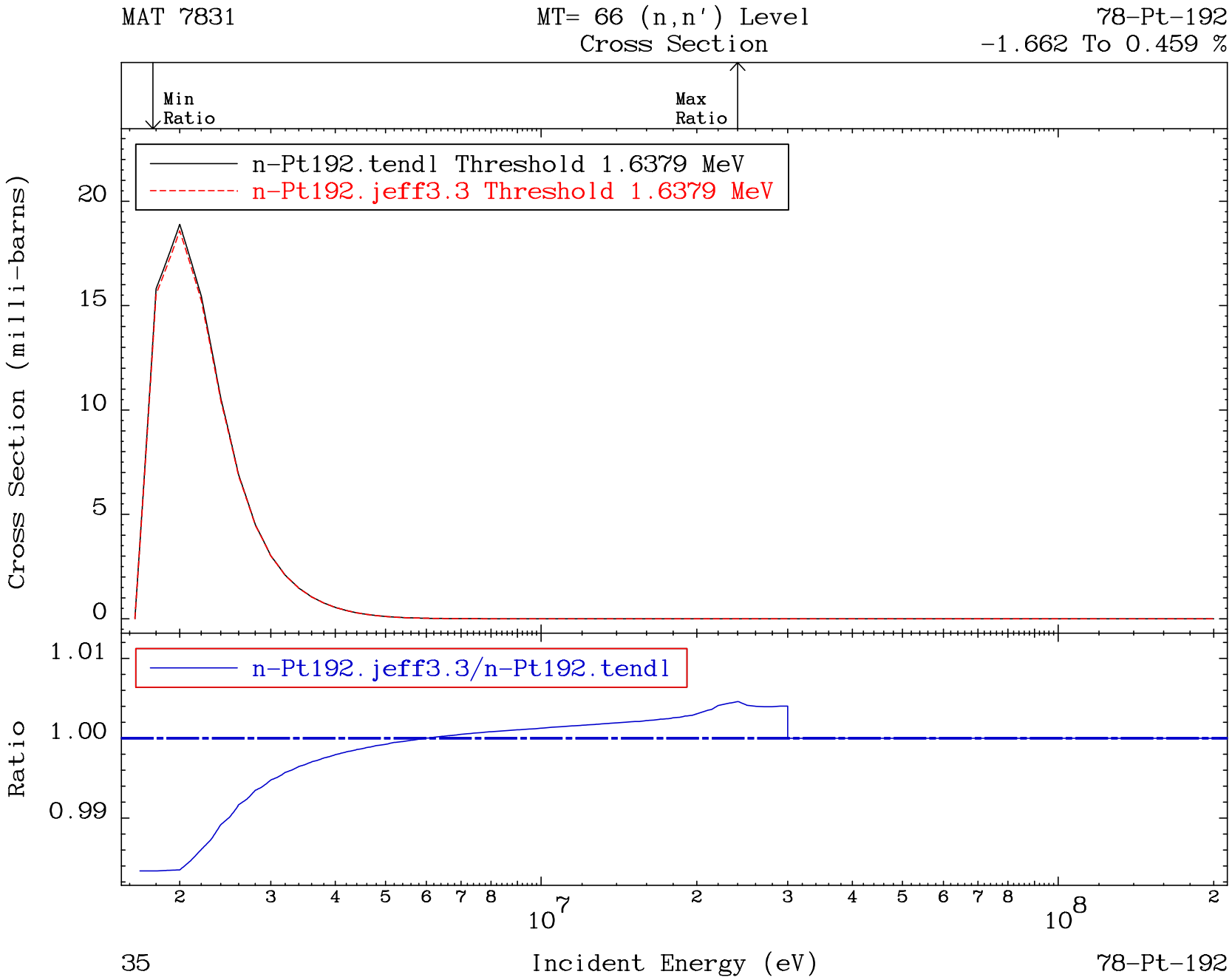

MAT 7831
MT= 61 (n,n') Level
Cross Section
78-Pt-192
-2.053 To 0.000 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.4468 MeV
n-Pt192.jeff3.3 Threshold 1.4468 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
78-Pt-192

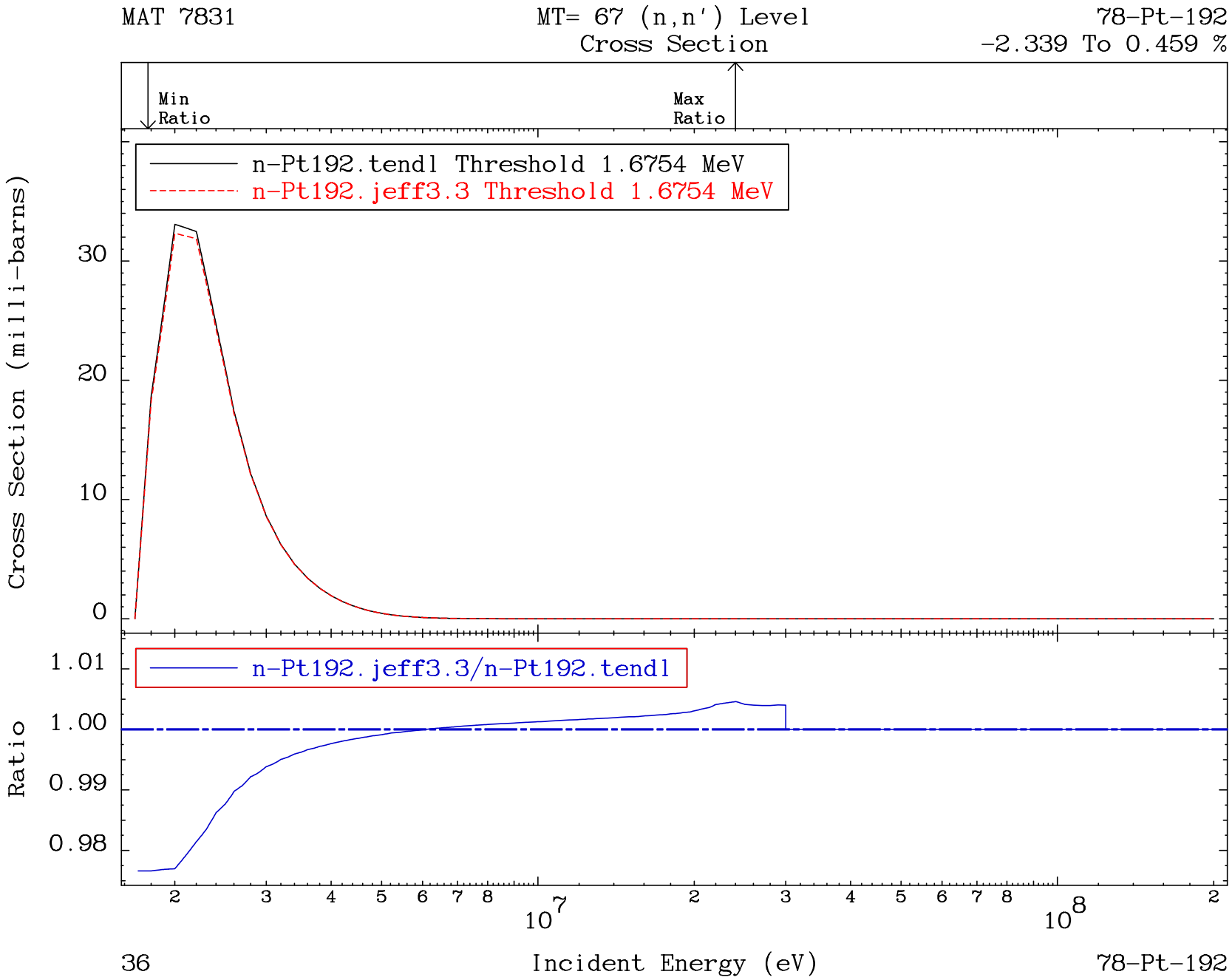

MAT 7831
MT= 62 (n,n') Level
Cross Section
78-Pt-192
-3.665 To 0.459 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.4896 MeV
n-Pt192.jeff3.3 Threshold 1.4896 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
78-Pt-192

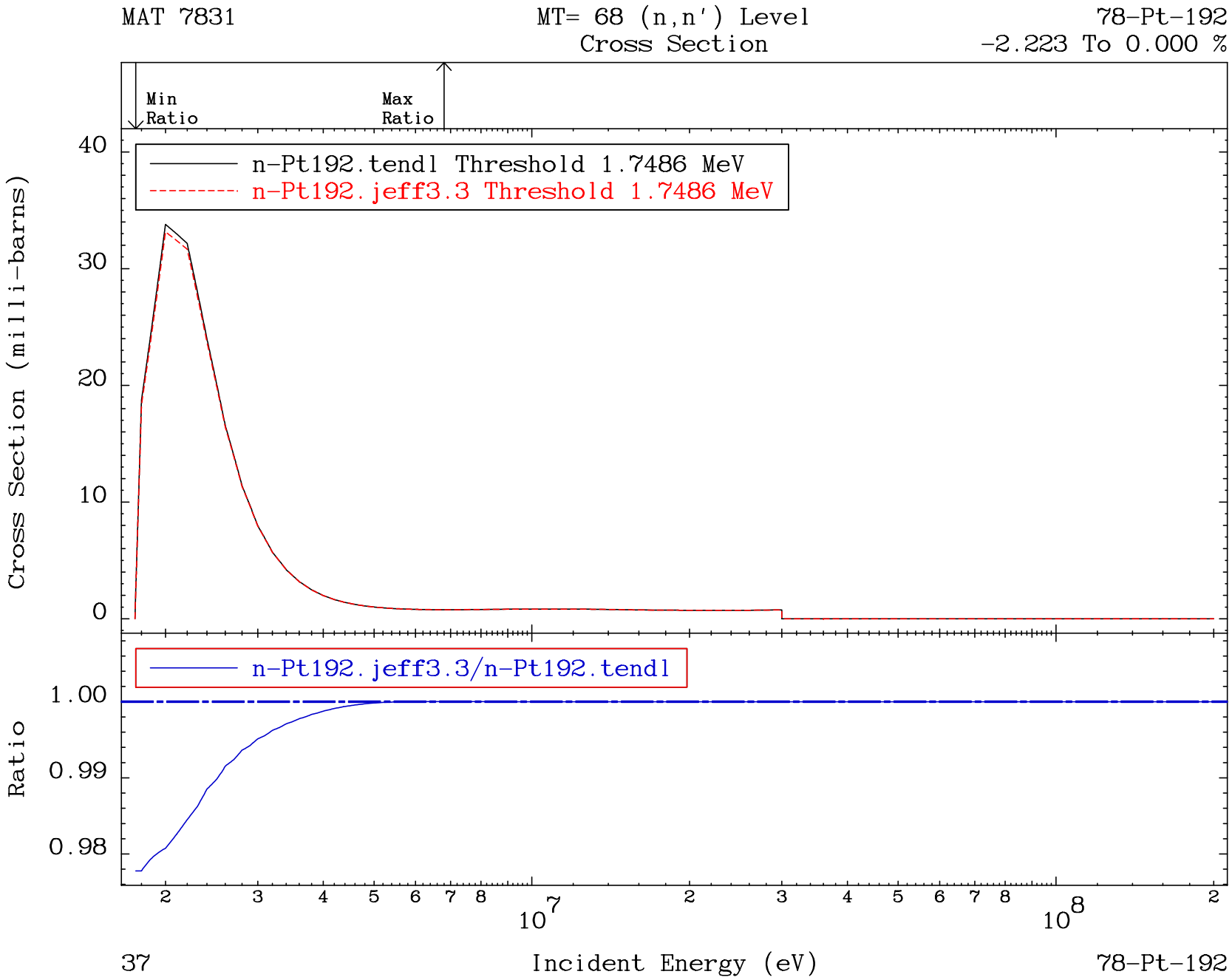

MAT 7831
MT= 63 (n,n') Level
Cross Section
78-Pt-192
-6.986 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.5263 MeV
n-Pt192.jeff3.3 Threshold 1.5263 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
78-Pt-192

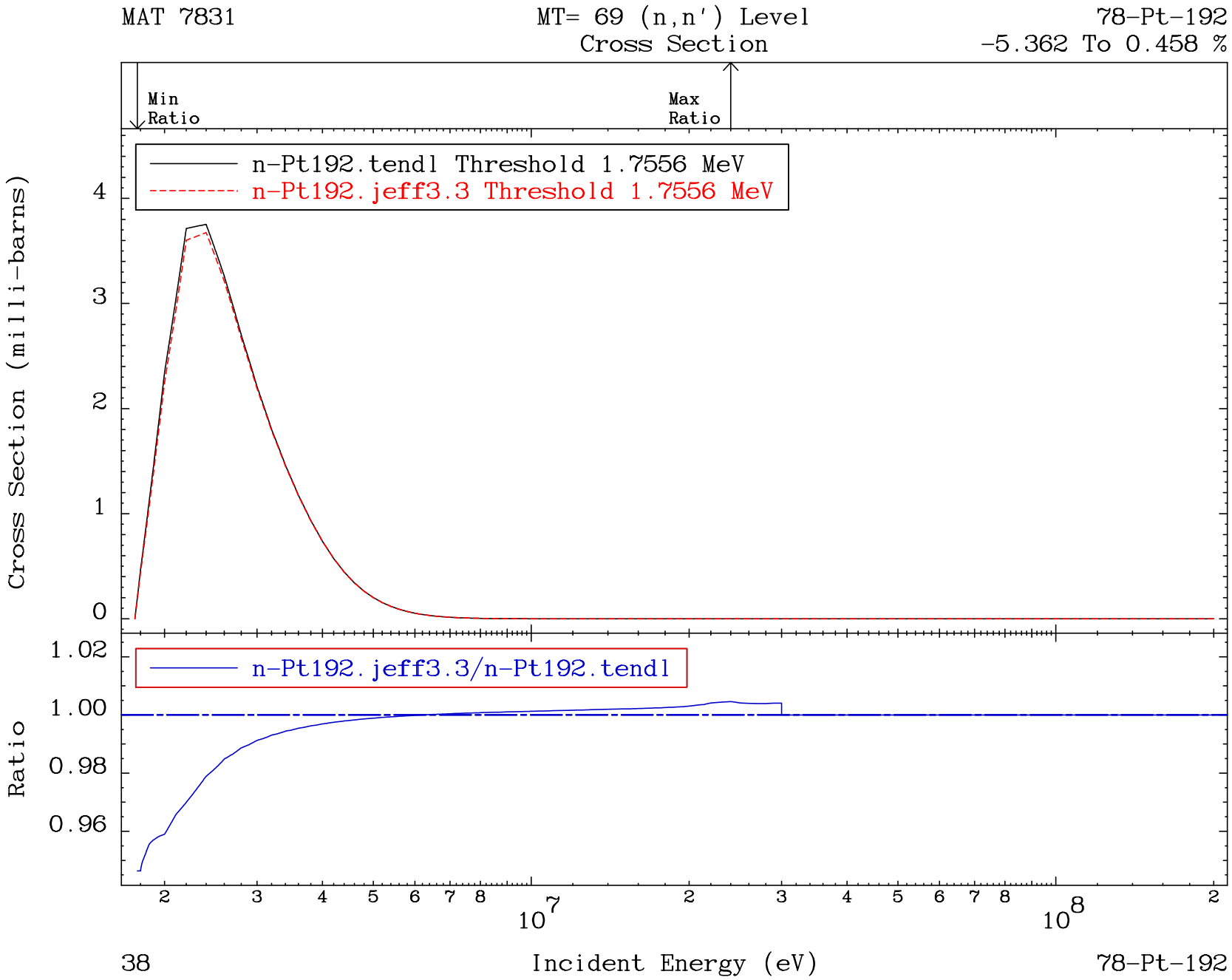

MAT 7831
MT= 64 (n,n') Level
Cross Section
78-Pt-192
-1.724 To 0.459 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.5551 MeV
n-Pt192.jeff3.3 Threshold 1.5551 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
78-Pt-192

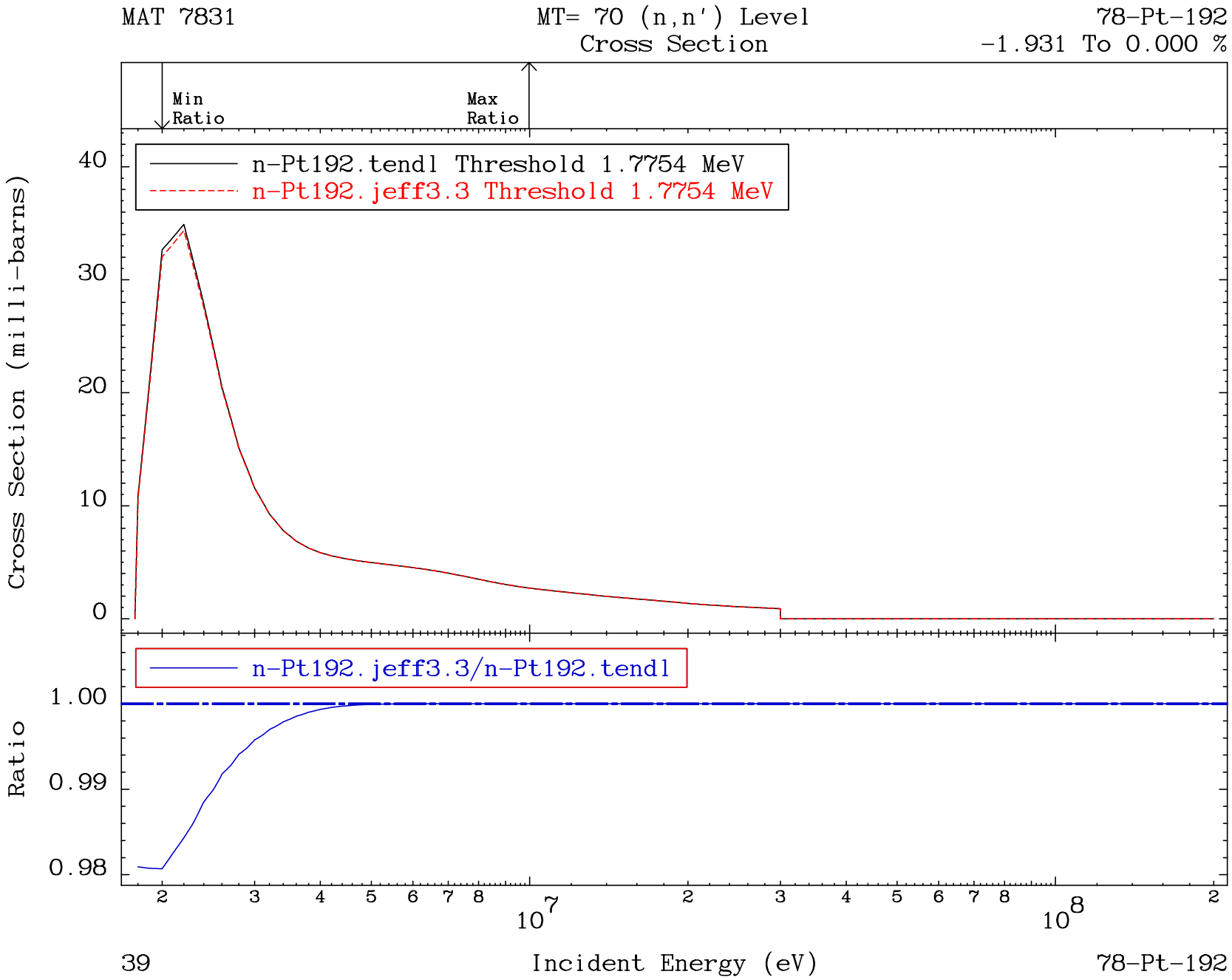

MAT 7831
MT= 65 (n,n') Level
Cross Section
78-Pt-192
-2.036 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.5847 MeV
n-Pt192.jeff3.3 Threshold 1.5847 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
78-Pt-192

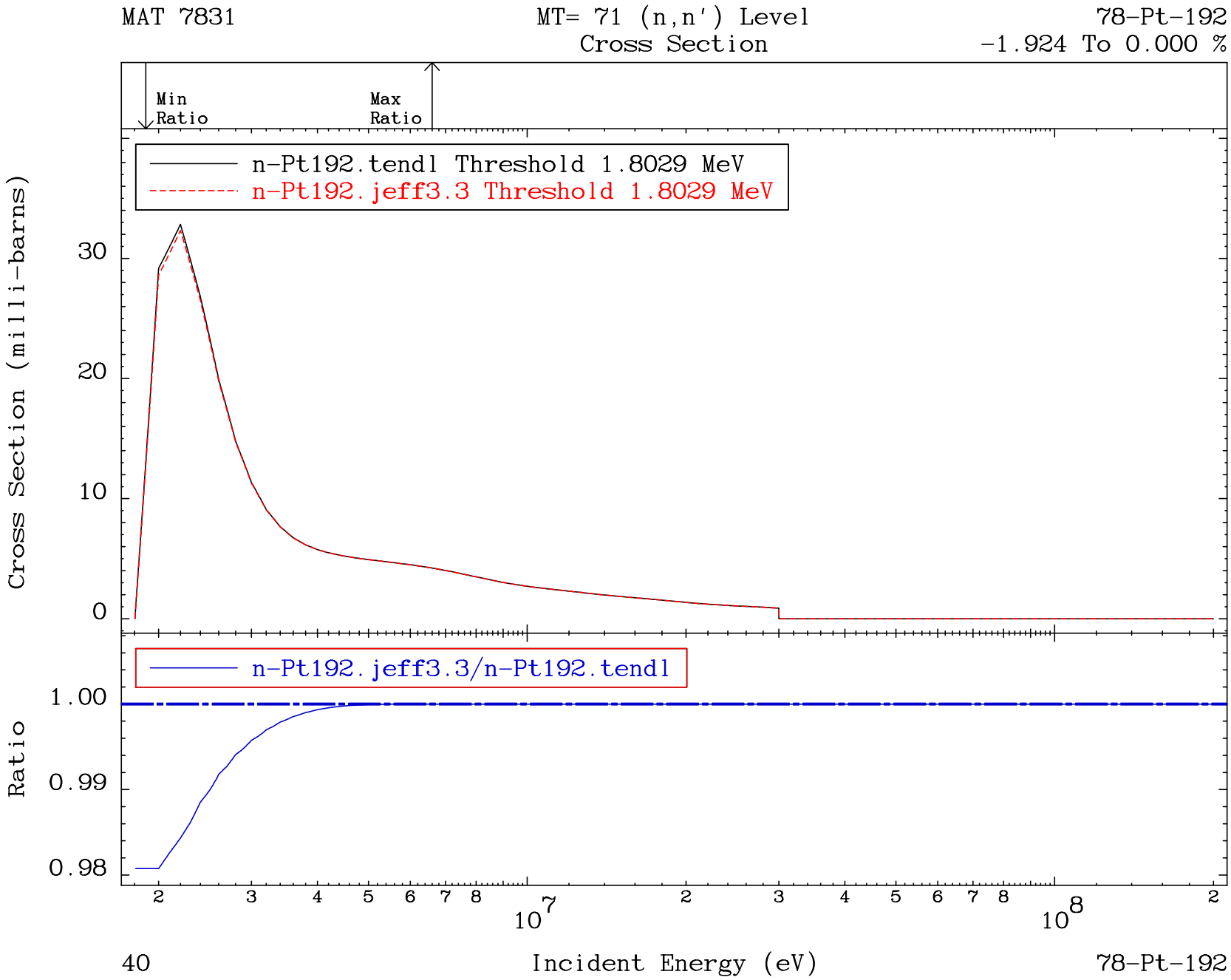

MAT 7831
MT= 66 (n,n') Level
Cross Section
78-Pt-192
-1.662 To 0.459 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.6379 MeV
n-Pt192.jeff3.3 Threshold 1.6379 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
78-Pt-192

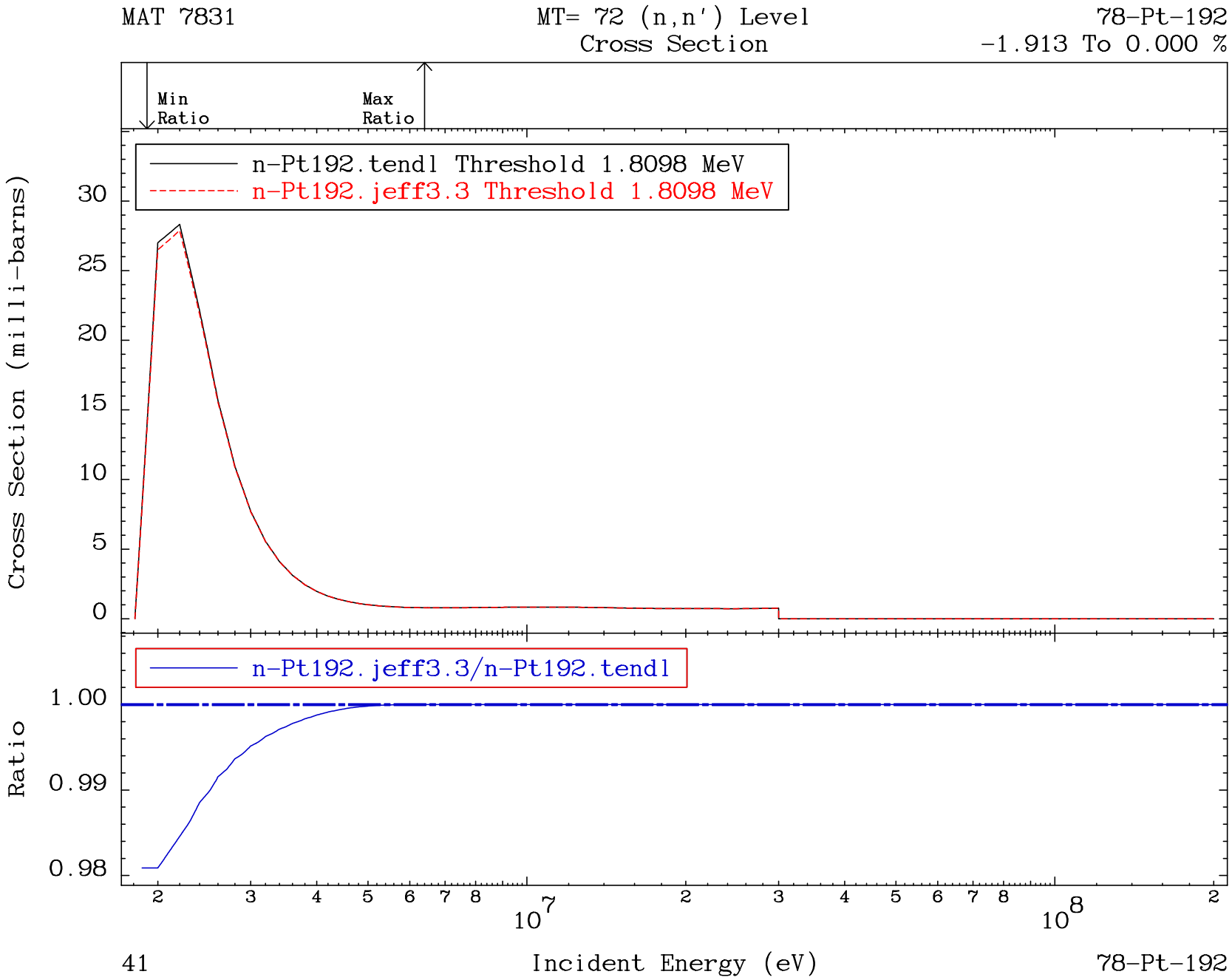

MAT 7831
MT= 67 (n,n') Level
Cross Section
78-Pt-192
-2.339 To 0.459 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.6754 MeV
n-Pt192.jeff3.3 Threshold 1.6754 MeV
Cross Section (milli-barns)
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
36
Incident Energy (eV)
78-Pt-192

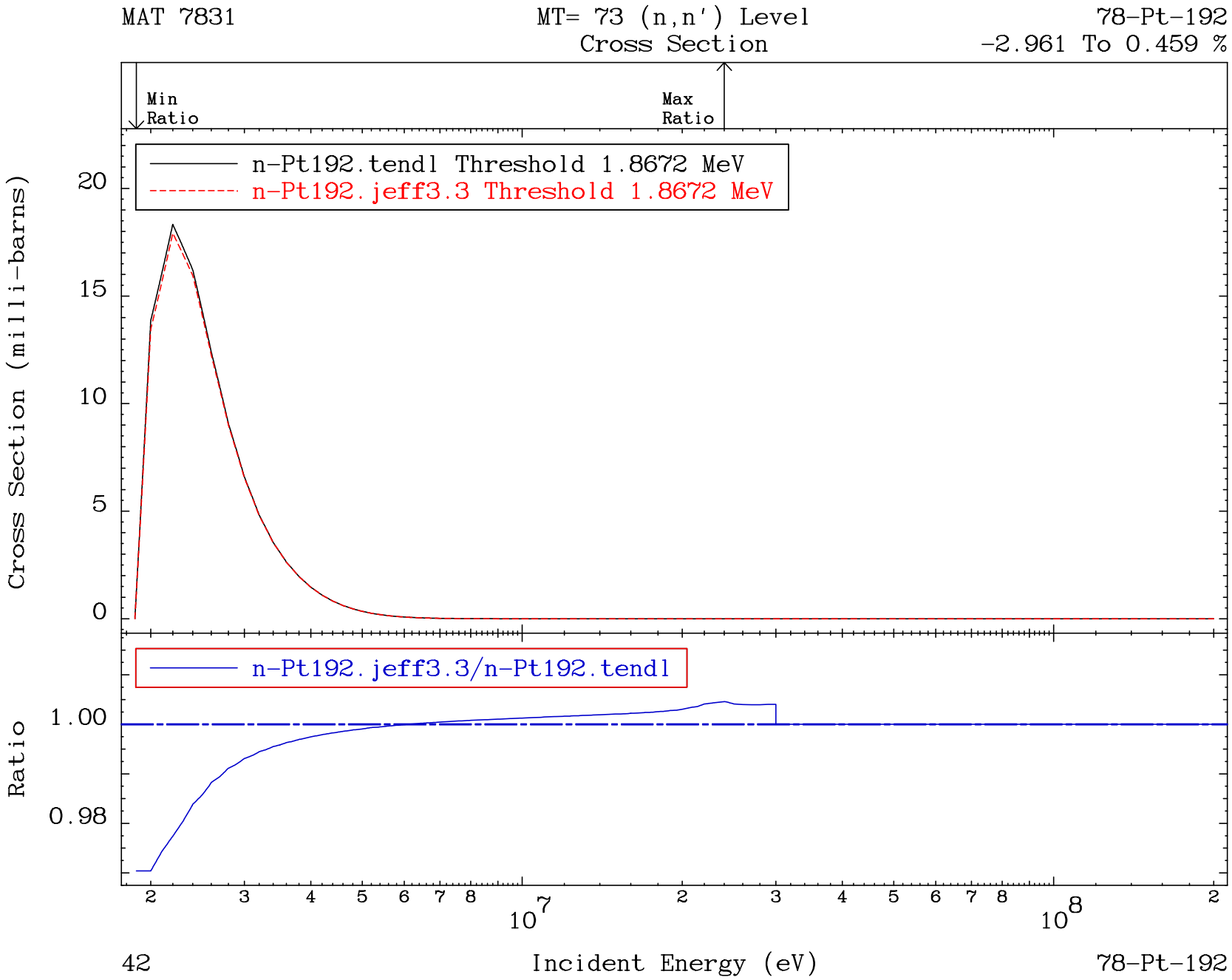

MAT 7831
MT= 68 (n,n') Level
Cross Section
78-Pt-192
-2.223 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.7486 MeV
n-Pt192.jeff3.3 Threshold 1.7486 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
78-Pt-192

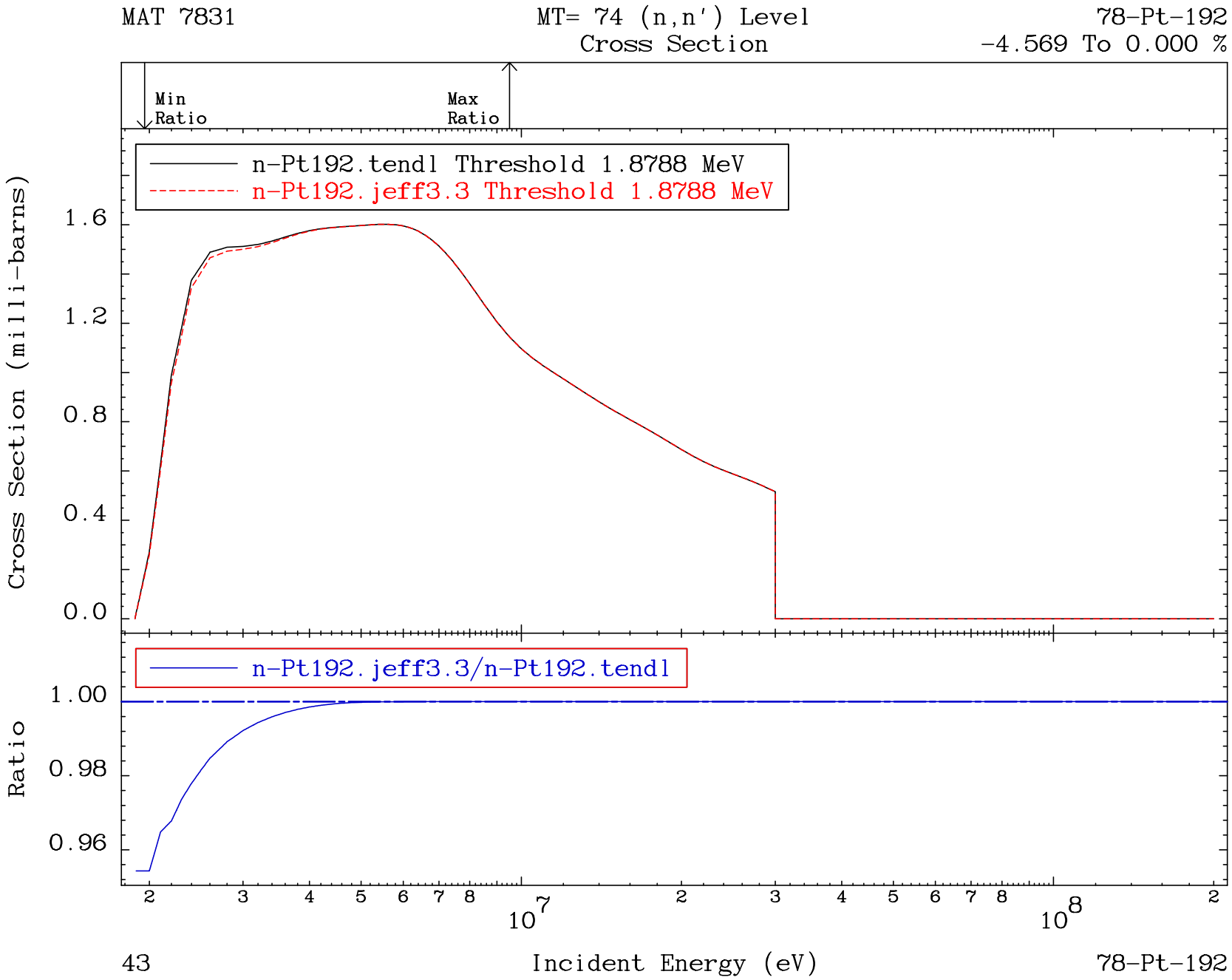

MAT 7831
MT= 69 (n,n') Level
Cross Section
78-Pt-192
-5.362 To 0.458 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.7556 MeV
n-Pt192.jeff3.3 Threshold 1.7556 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.96
0.98
1.00
1.02
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
78-Pt-192

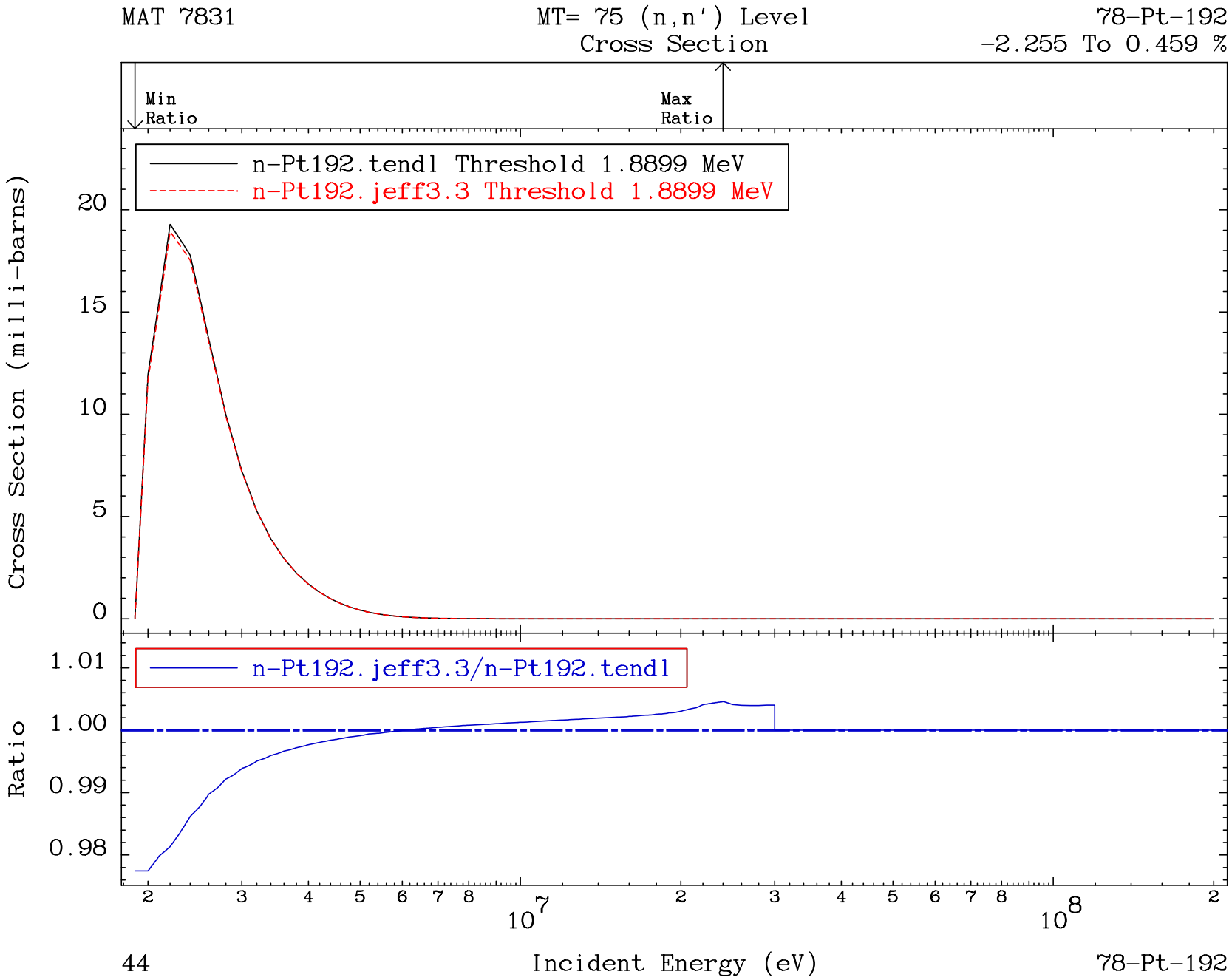

MAT 7831
MT= 70 (n,n') Level
Cross Section
78-Pt-192
-1.931 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.7754 MeV
n-Pt192.jeff3.3 Threshold 1.7754 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
78-Pt-192

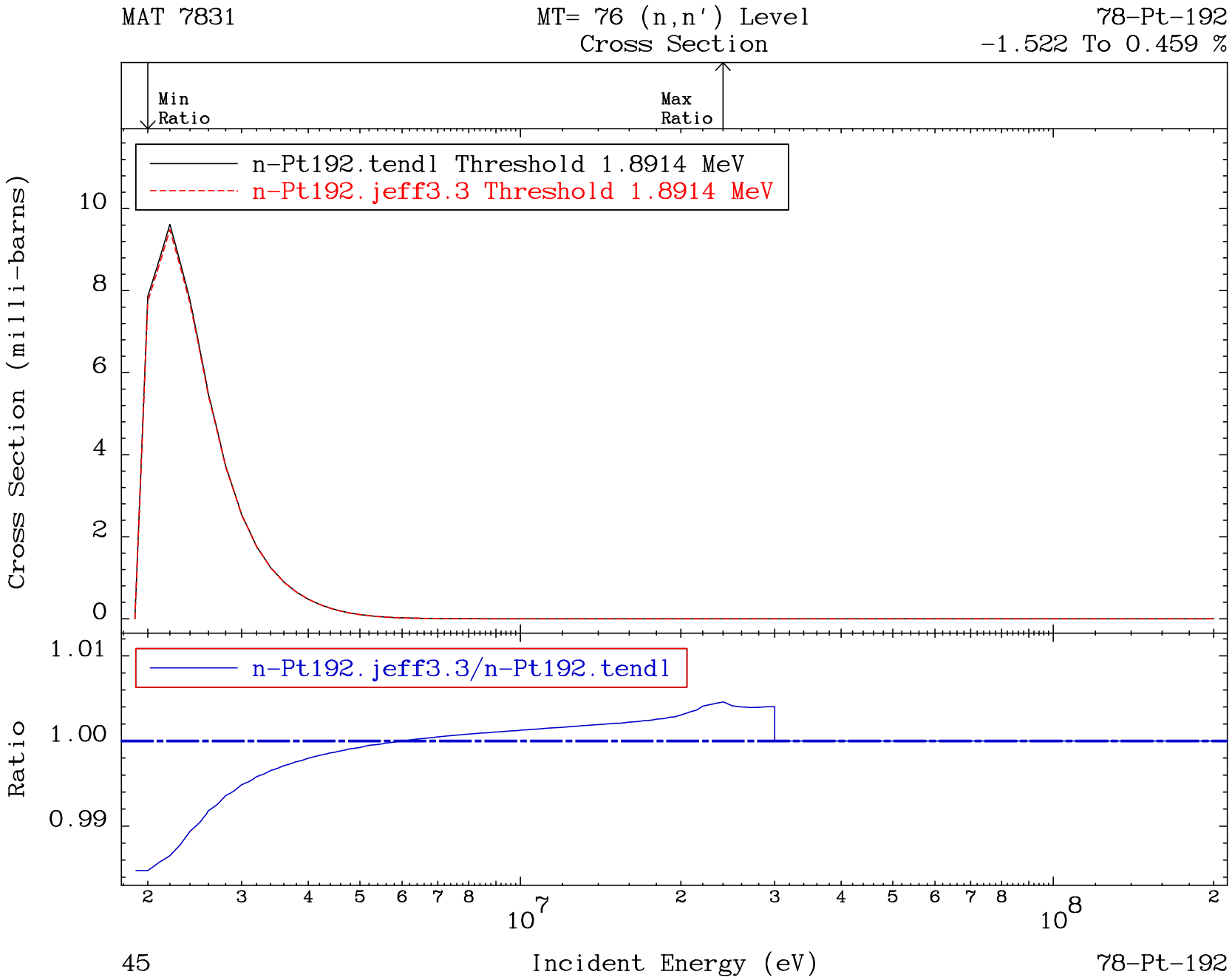

MAT 7831
MT= 71 (n,n') Level
Cross Section
78-Pt-192
-1.924 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.8029 MeV
n-Pt192.jeff3.3 Threshold 1.8029 MeV
Cross Section (milli-barns)
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
78-Pt-192

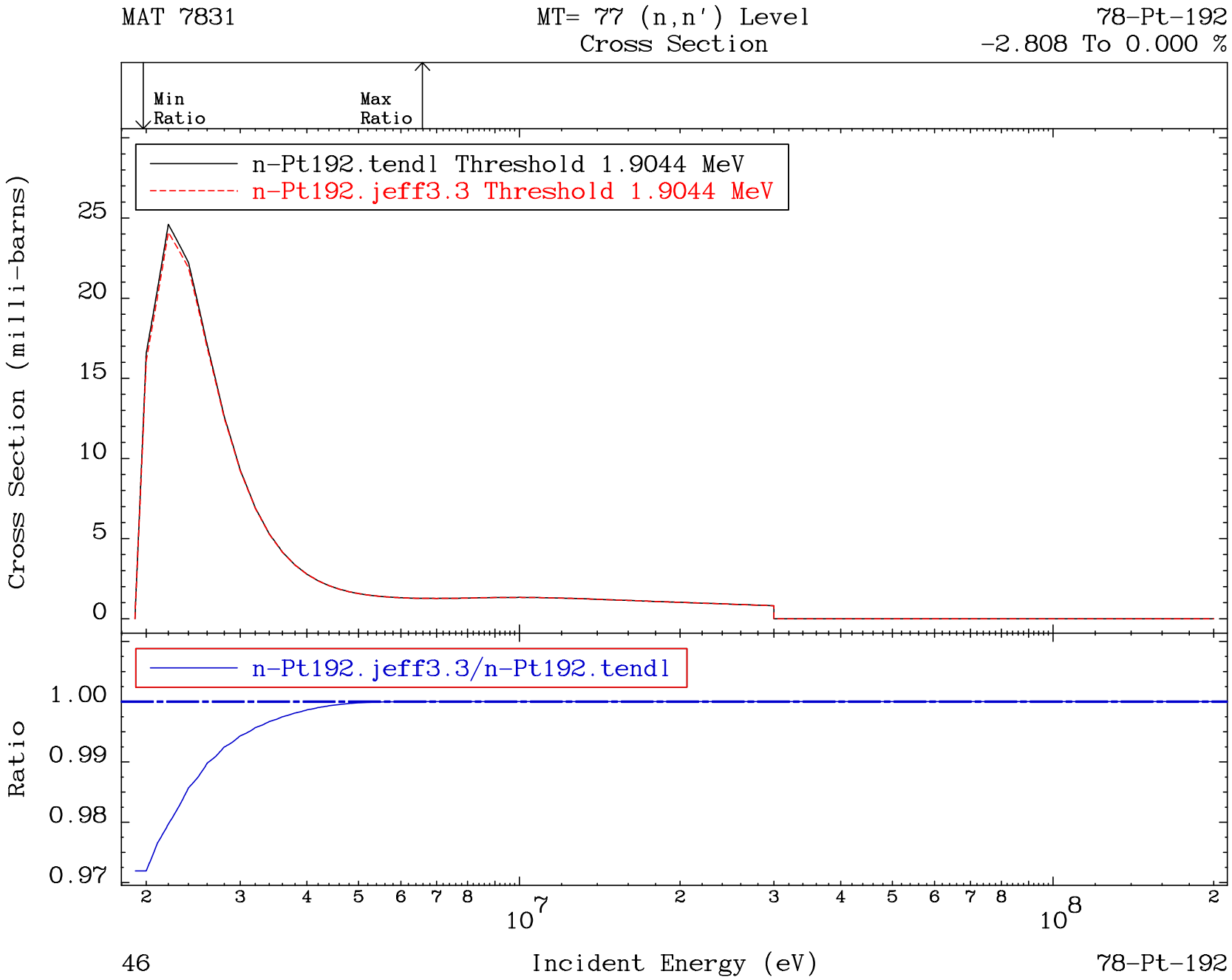

MAT 7831
MT= 72 (n,n') Level
Cross Section
78-Pt-192
-1.913 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.8098 MeV
n-Pt192.jeff3.3 Threshold 1.8098 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
78-Pt-192

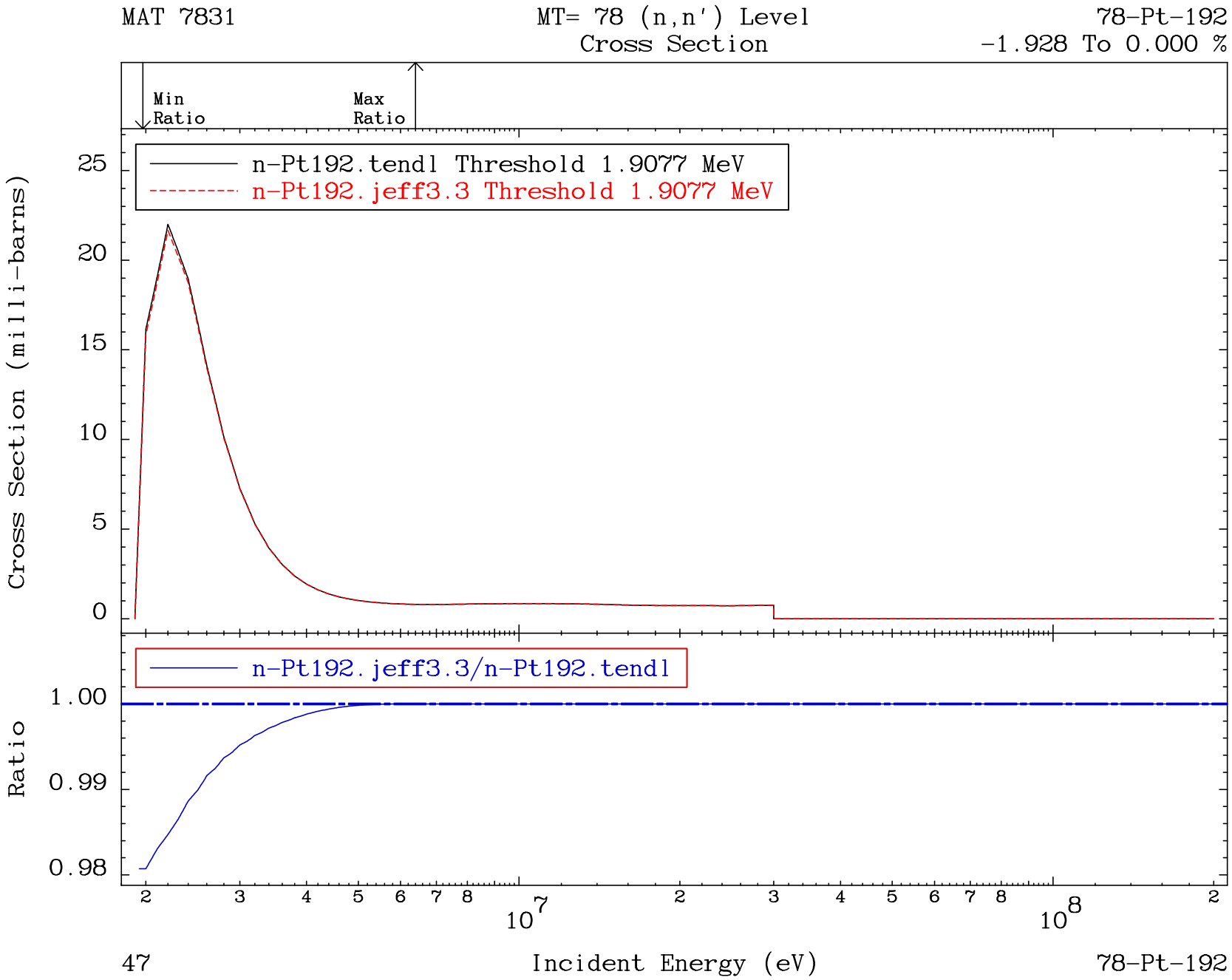

MAT 7831
MT= 73 (n,n') Level
Cross Section
78-Pt-192
-2.961 To 0.459 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.8672 MeV
n-Pt192.jeff3.3 Threshold 1.8672 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
42
Incident Energy (eV)
78-Pt-192

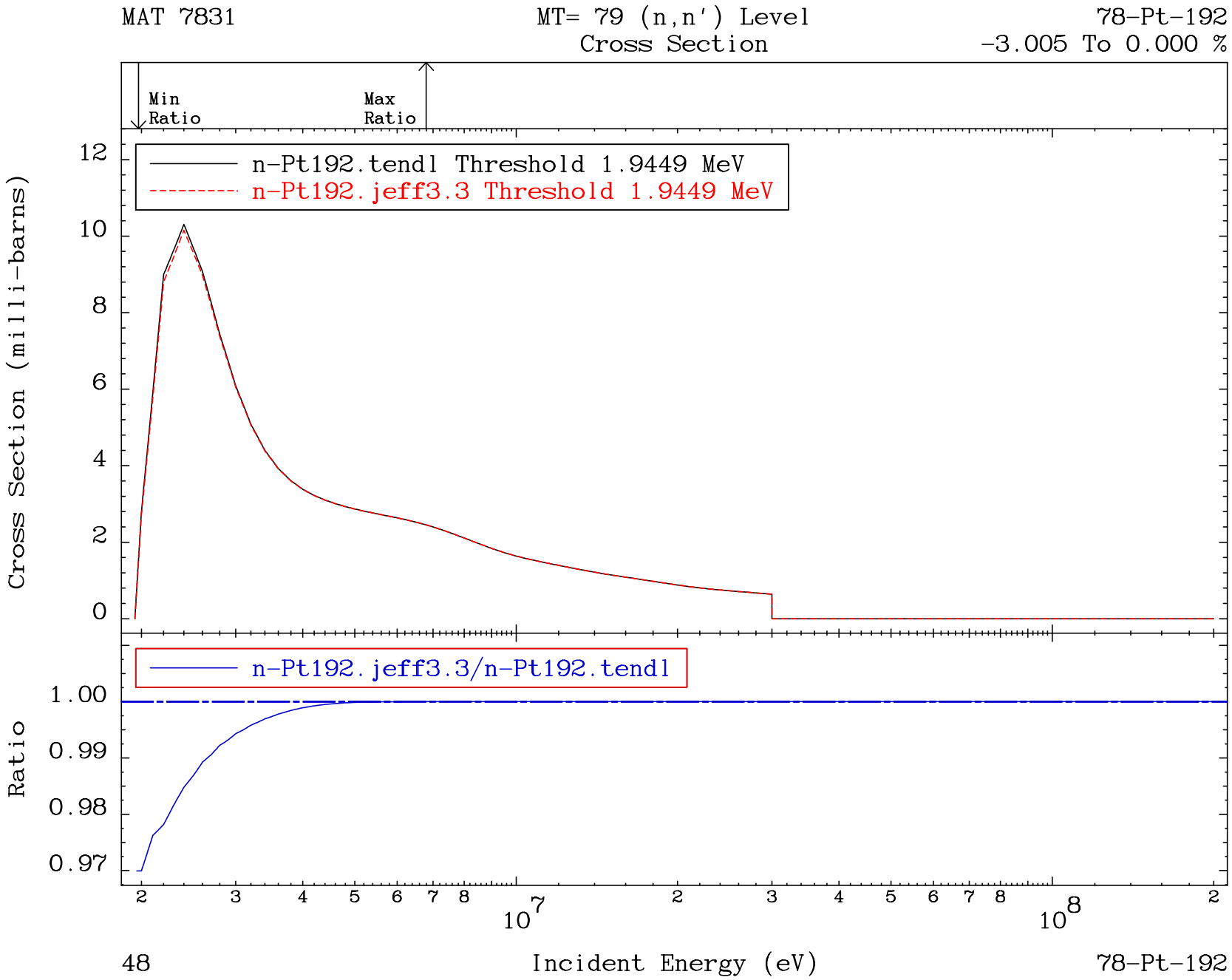

MAT 7831
MT= 74 (n,n') Level
Cross Section
78-Pt-192
-4.569 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.8788 MeV
n-Pt192.jeff3.3 Threshold 1.8788 MeV
Cross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
78-Pt-192

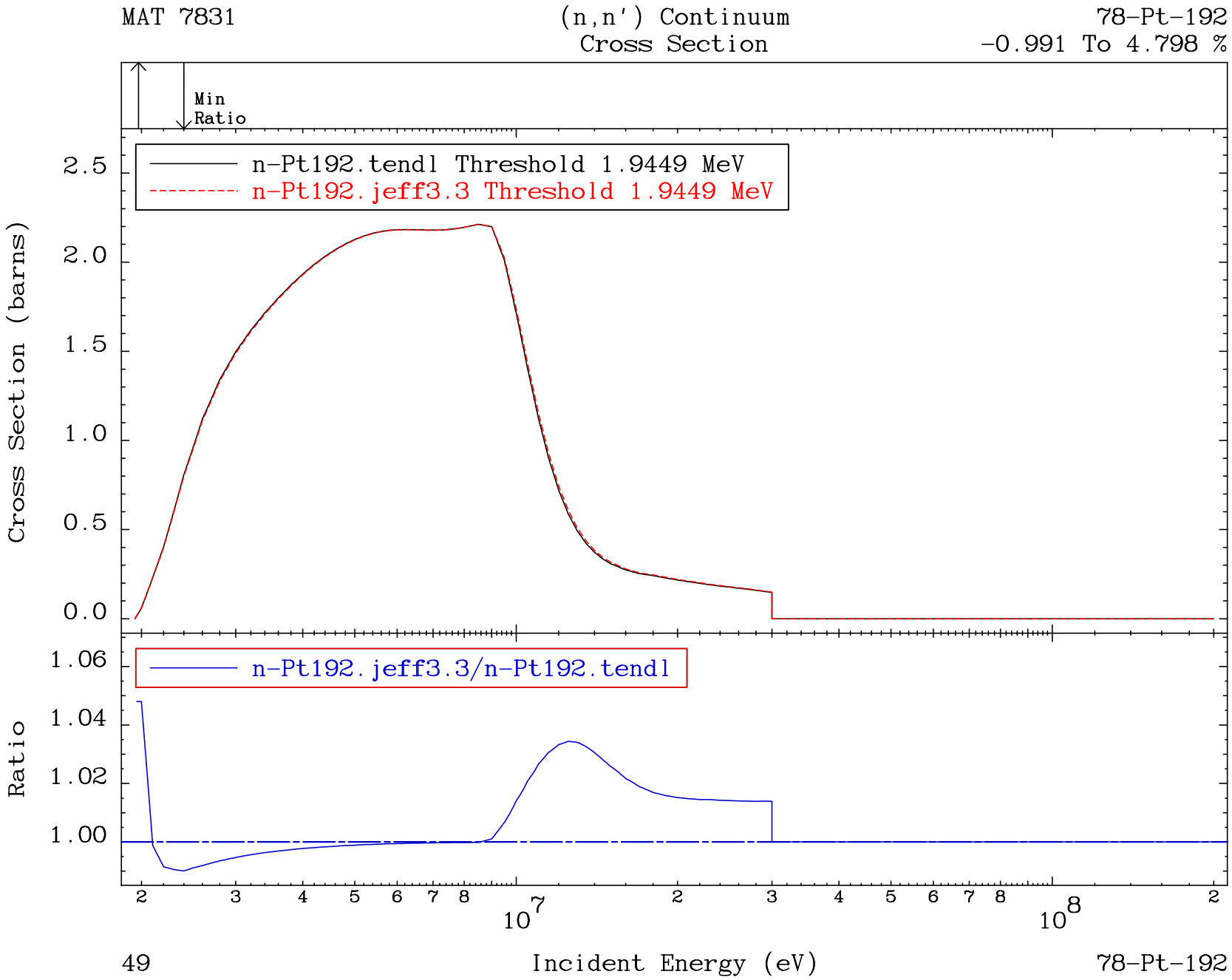

MAT 7831
MT= 75 (n,n') Level
Cross Section
78-Pt-192
-2.255 To 0.459 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.8899 MeV
n-Pt192.jeff3.3 Threshold 1.8899 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
0.98
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
78-Pt-192

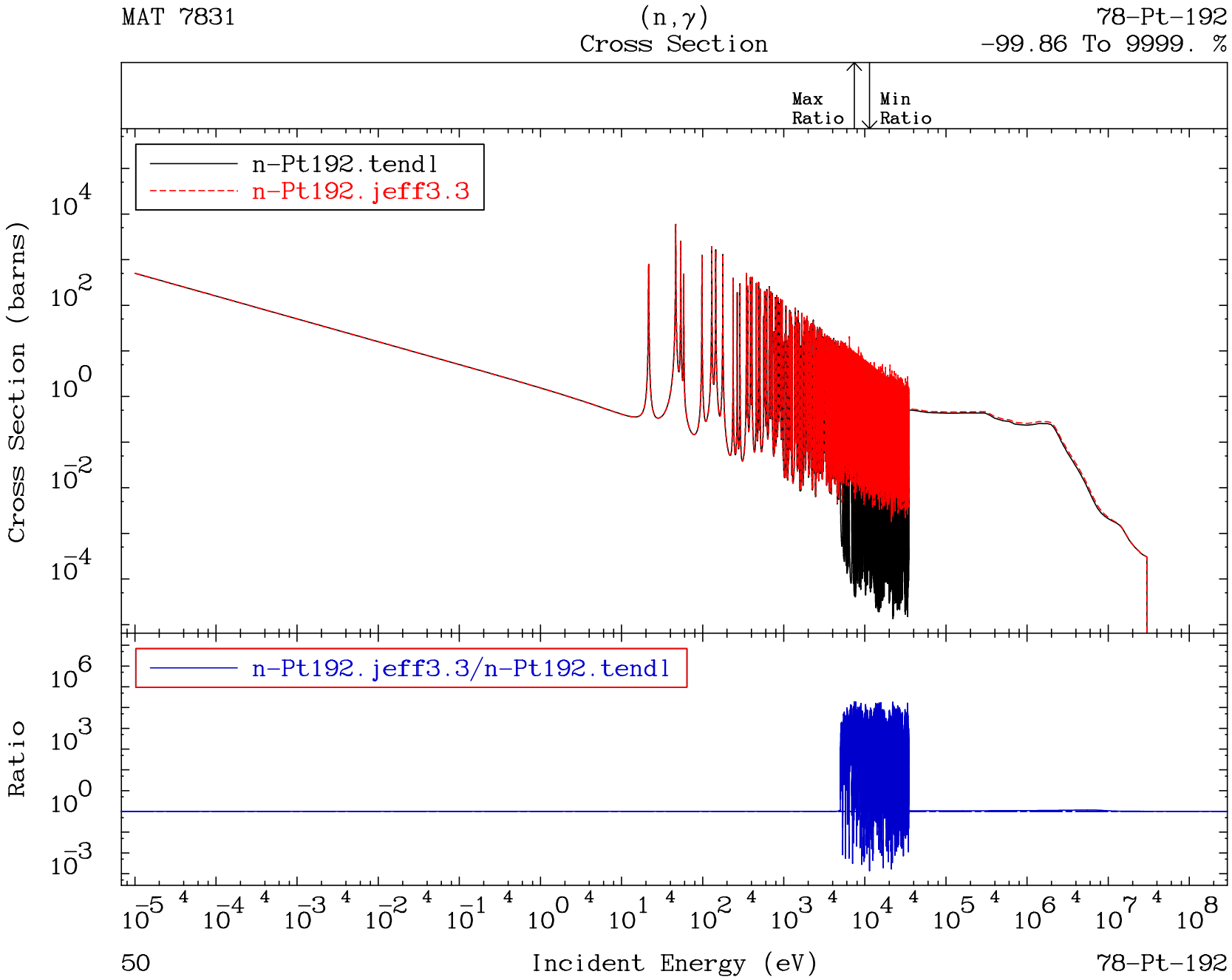

MAT 7831
MT= 76 (n,n') Level
Cross Section
78-Pt-192
-1.522 To 0.459 %
Min
Ratio
Max
Ratio
n-Pt192.tendl Threshold 1.8914 MeV
n-Pt192.jeff3.3 Threshold 1.8914 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
45
Incident Energy (eV)
78-Pt-192

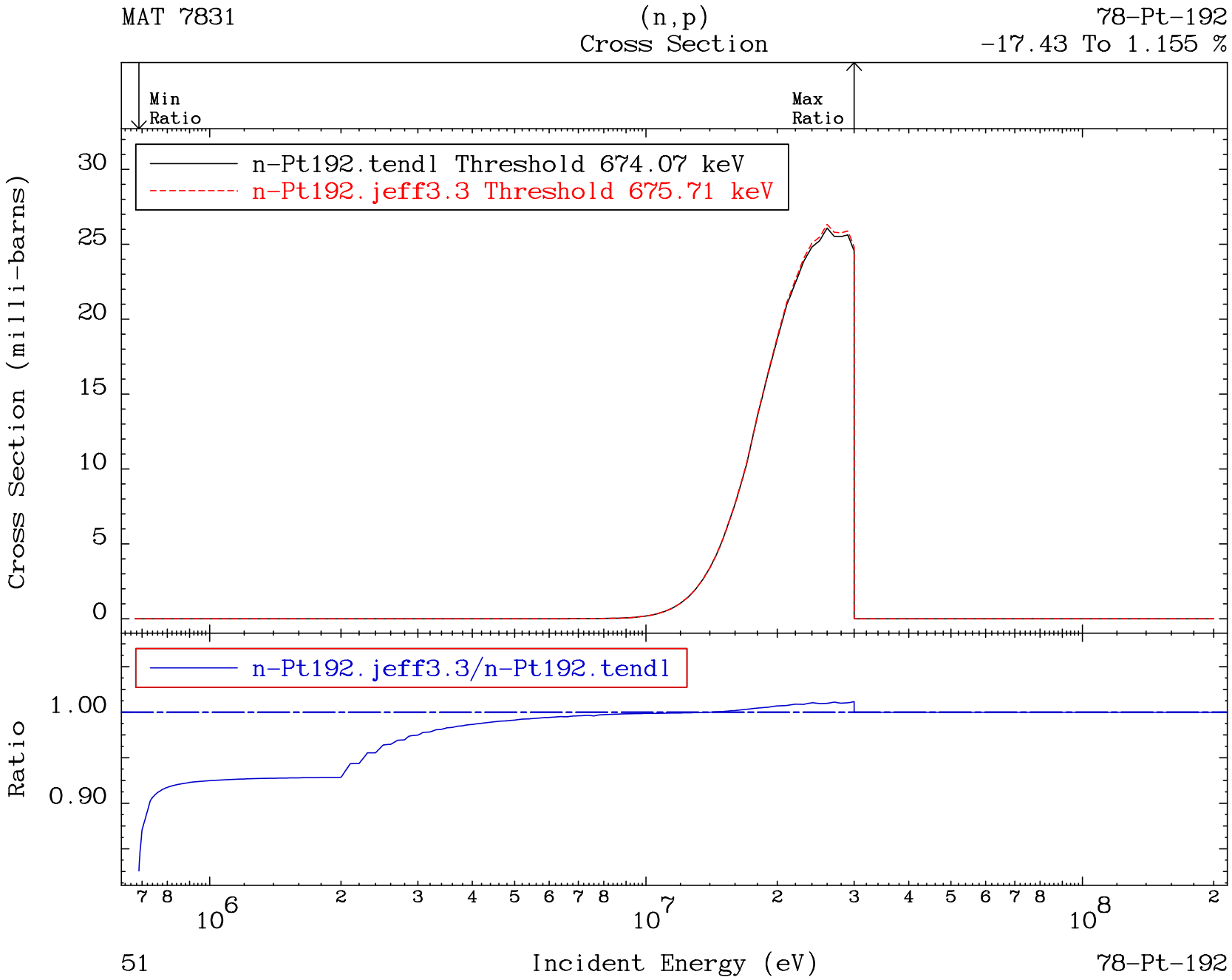

MAT 7831
MT= 77 (n,n') Level
Cross Section
78-Pt-192
-2.808 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.9044 MeV
n-Pt192.jeff3.3 Threshold 1.9044 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
0.97
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
78-Pt-192

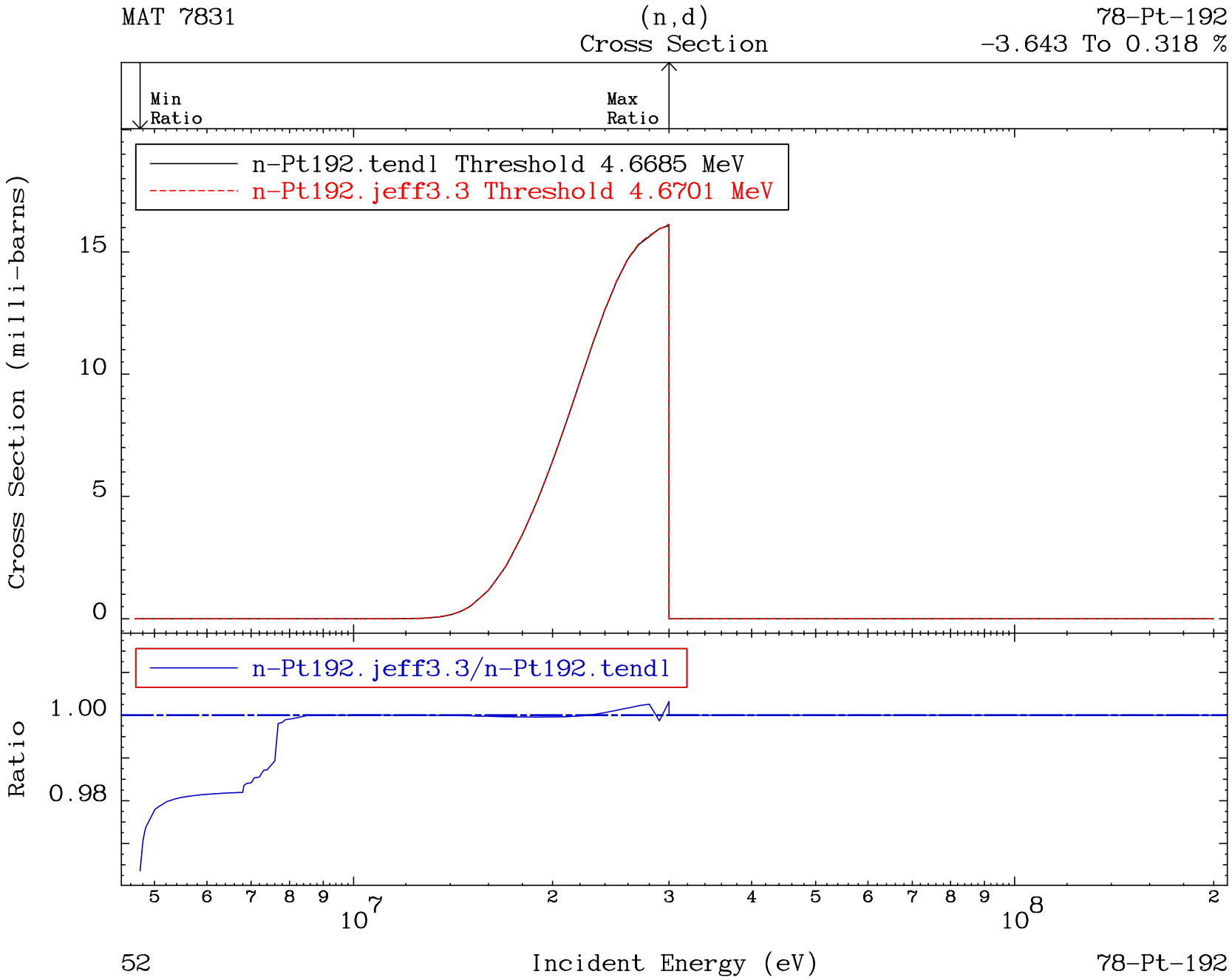

MAT 7831
MT= 78 (n,n') Level
Cross Section
78-Pt-192
-1.928 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.9077 MeV
n-Pt192.jeff3.3 Threshold 1.9077 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
78-Pt-192

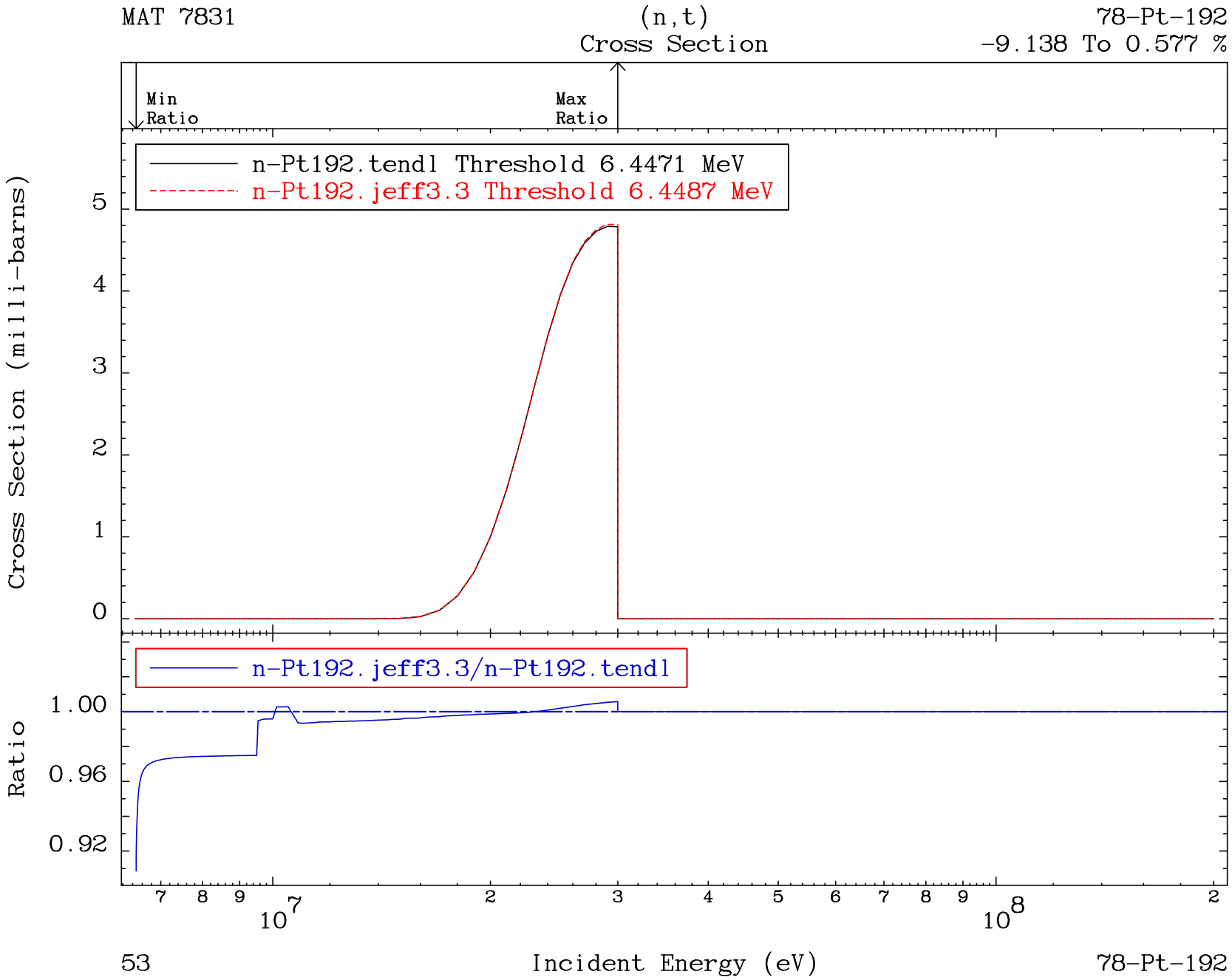

MAT 7831
MT= 79 (n,n') Level
Cross Section
78-Pt-192
-3.005 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 1.9449 MeV
n-Pt192.jeff3.3 Threshold 1.9449 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
0.97
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
78-Pt-192

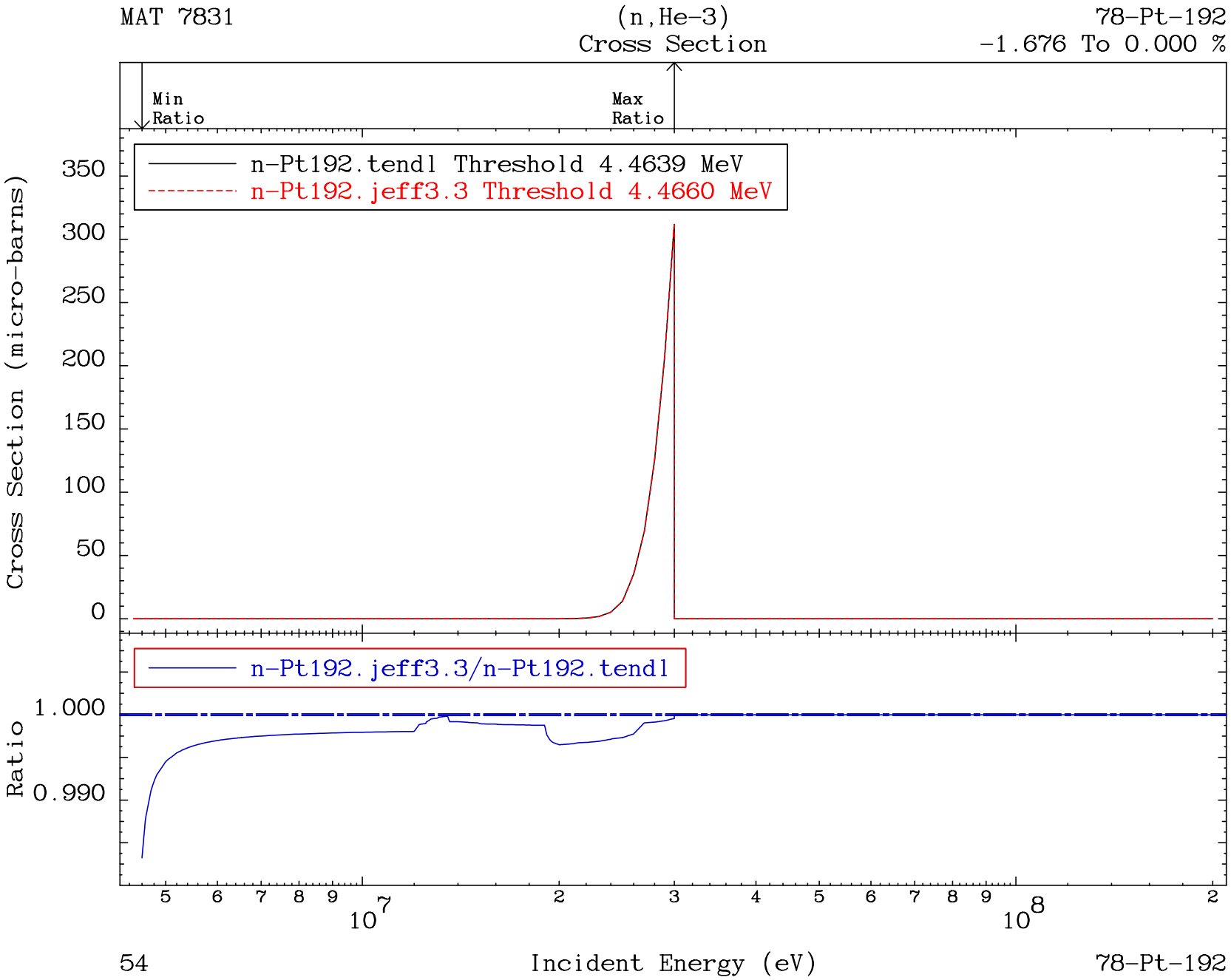

MAT 7831
(n,n') Continuum
Cross Section
78-Pt-192
-0.991 To 4.798 %
Min
Ratio
n-Pt192.tendl Threshold 1.9449 MeV
n-Pt192.jeff3.3 Threshold 1.9449 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
49
Incident Energy (eV)
78-Pt-192

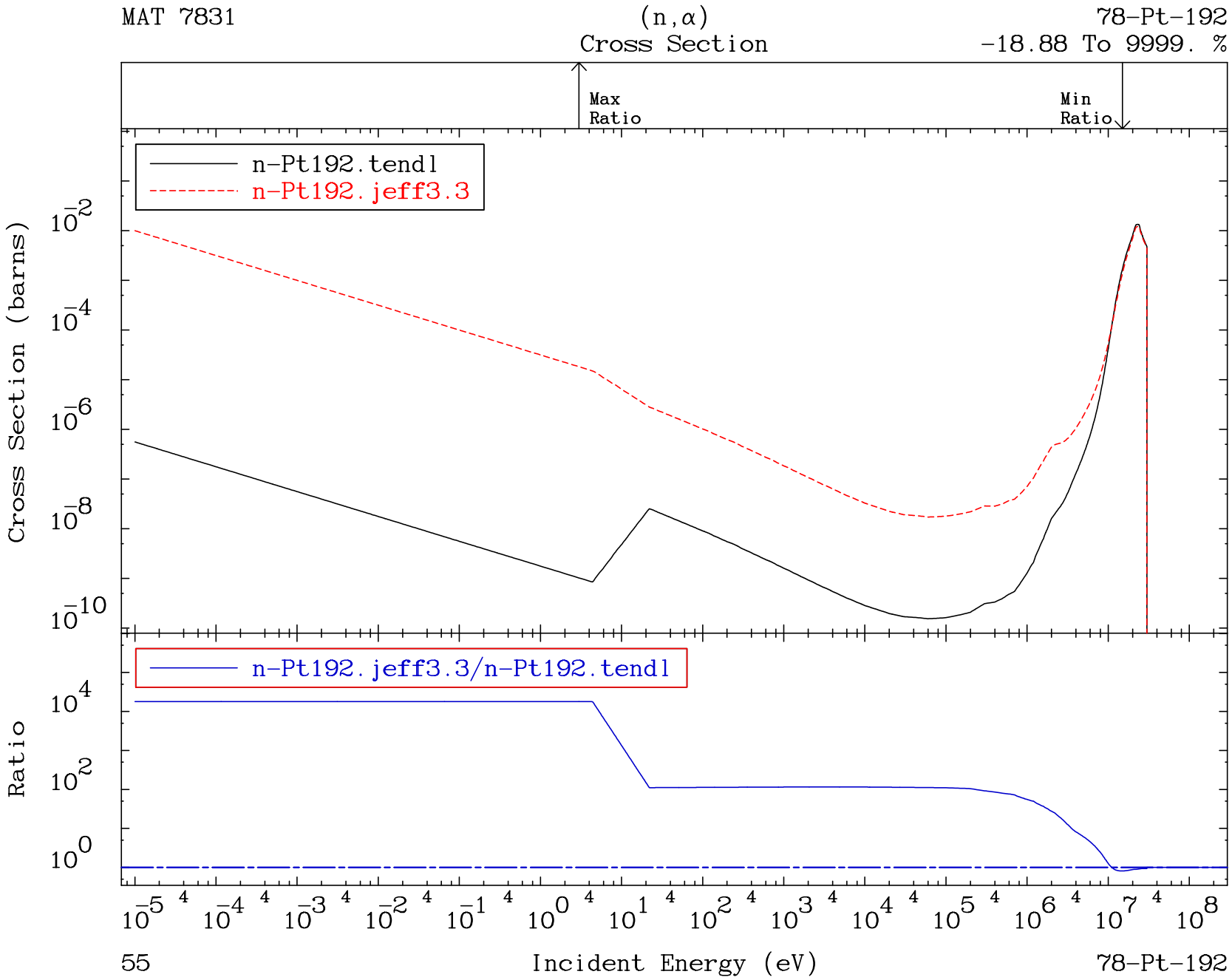

MAT 7831
(n,γ)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
50
78-Pt-192

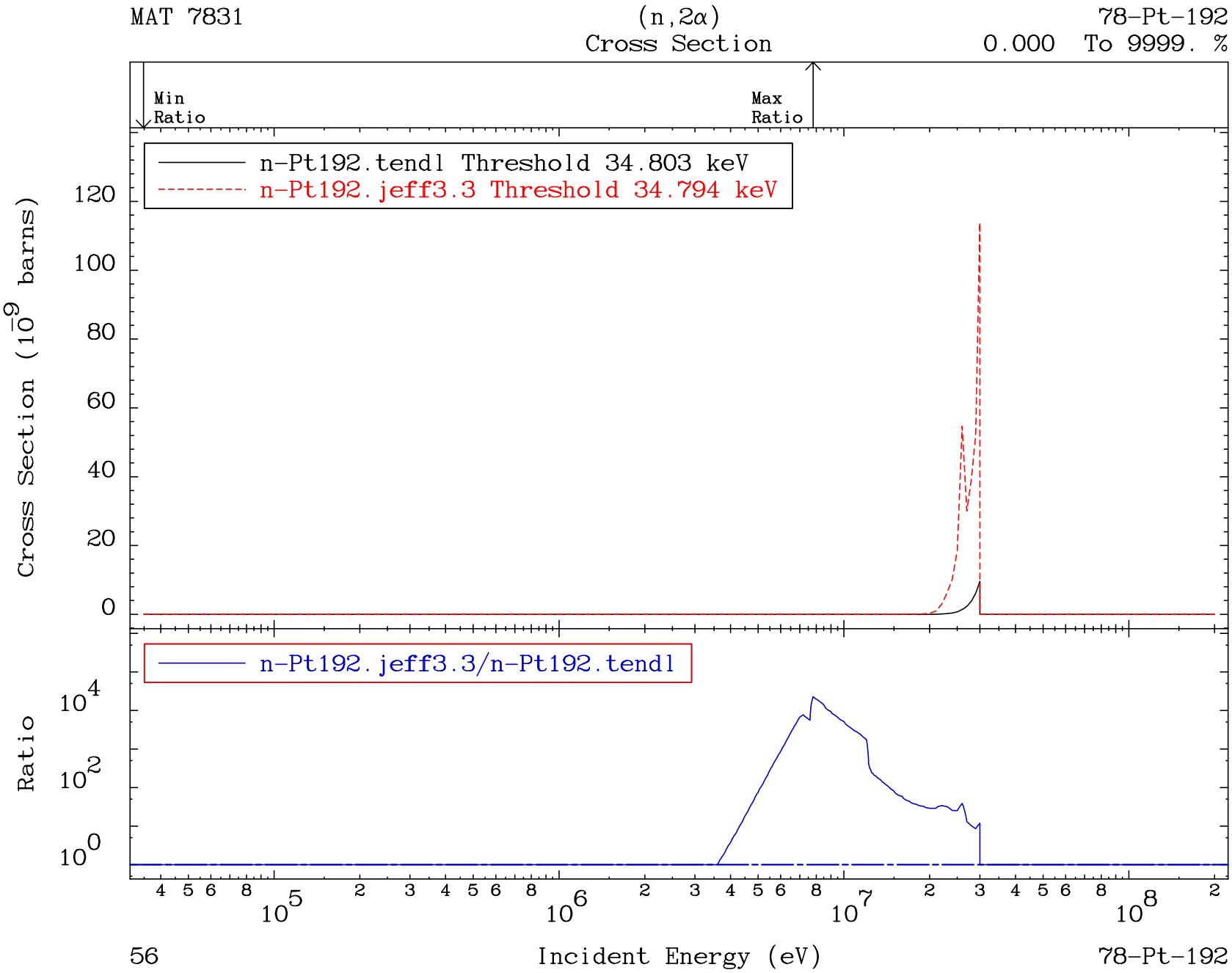

MAT 7831
(n,p)
Cross Section
78-Pt-192
-17.43 To 1.155 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 674.07 keV
n-Pt192.jeff3.3 Threshold 675.71 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
78-Pt-192

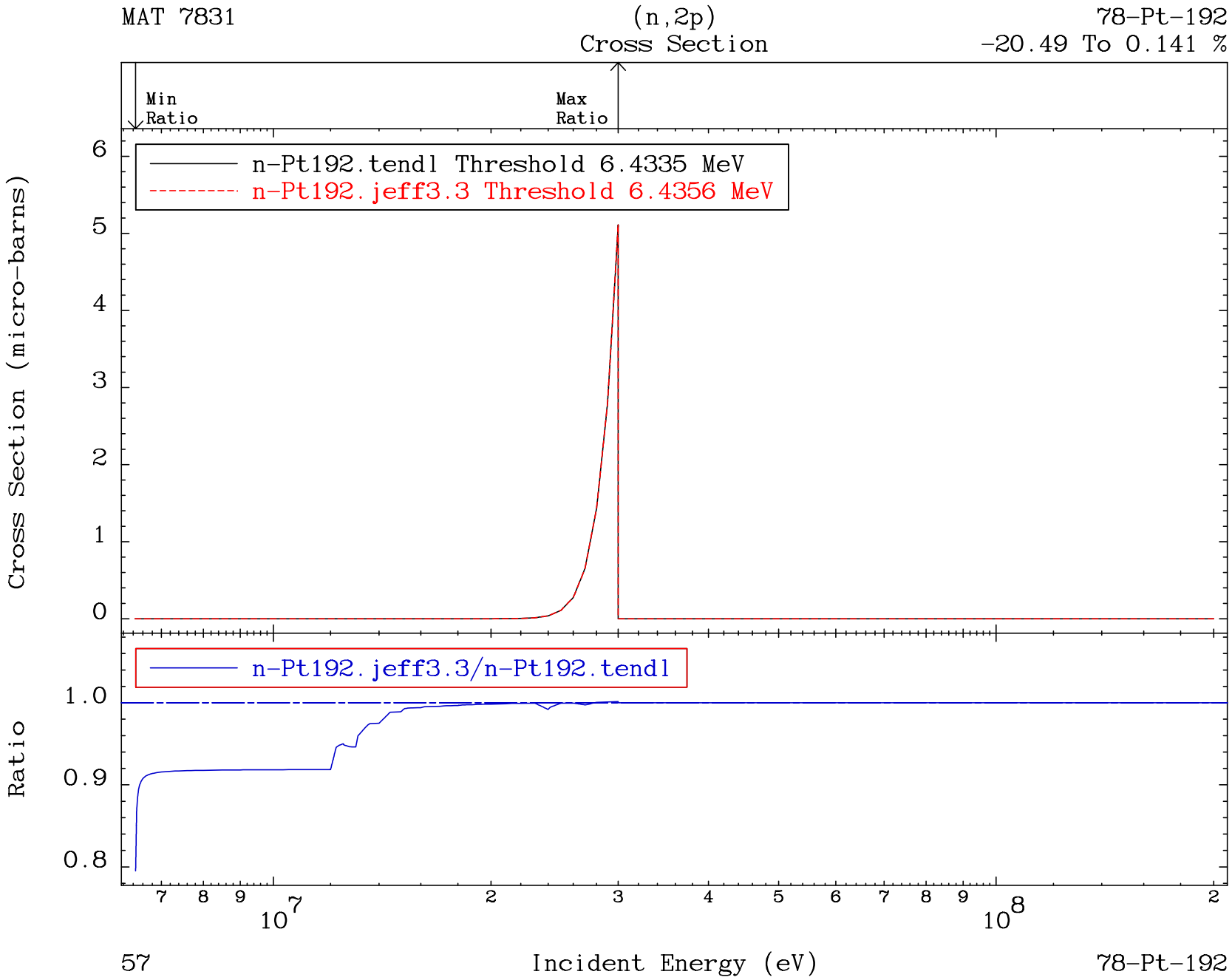

MAT 7831
(n,d)
Cross Section
78-Pt-192
-3.643 To 0.318 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 4.6685 MeV
n-Pt192.jeff3.3 Threshold 4.6701 MeV
Cross Section (milli-barns)
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
78-Pt-192

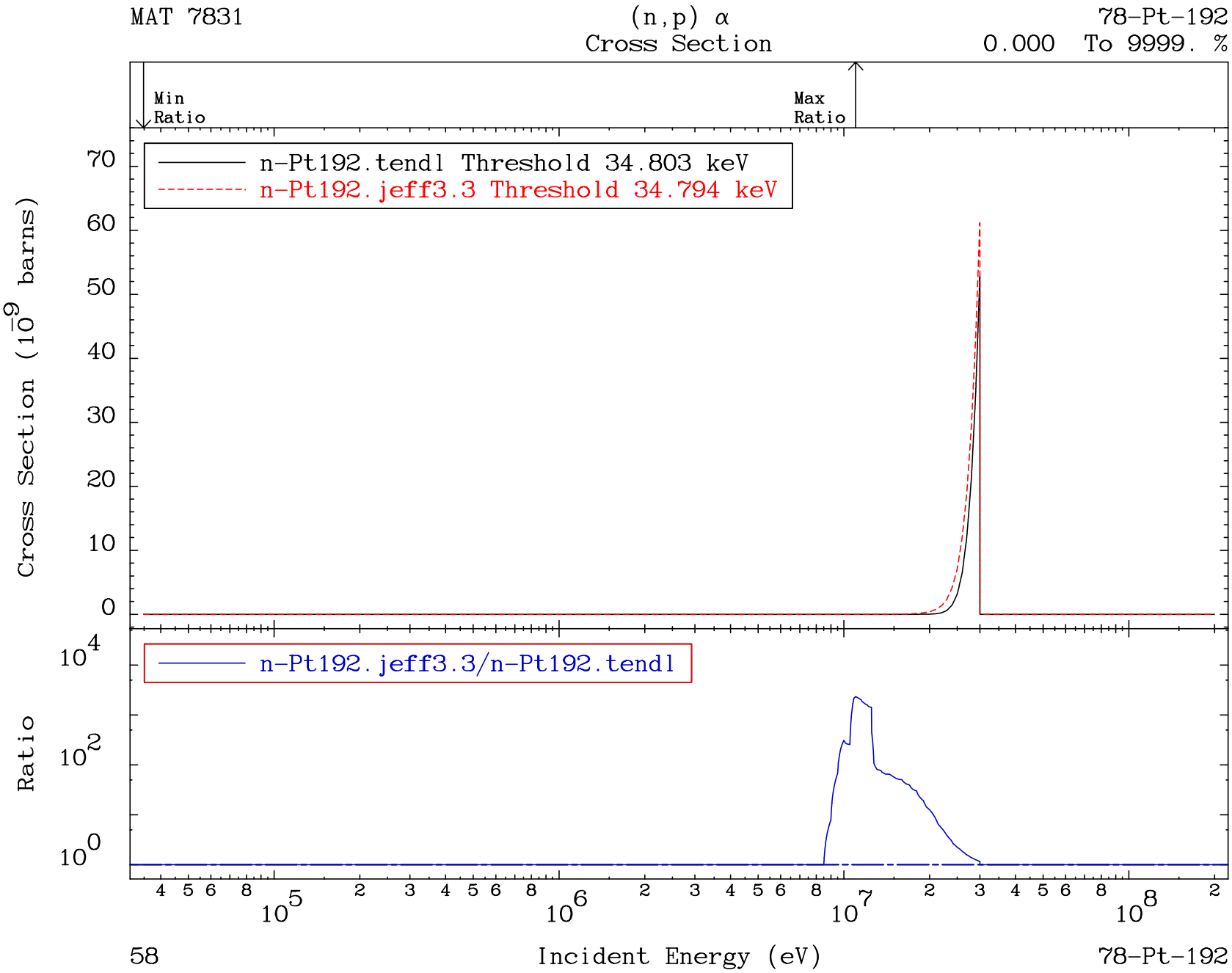

MAT 7831
(n,t)
Cross Section
78-Pt-192
-9.138 To 0.577 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4471 MeV
n-Pt192.jeff3.3 Threshold 6.4487 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
78-Pt-192

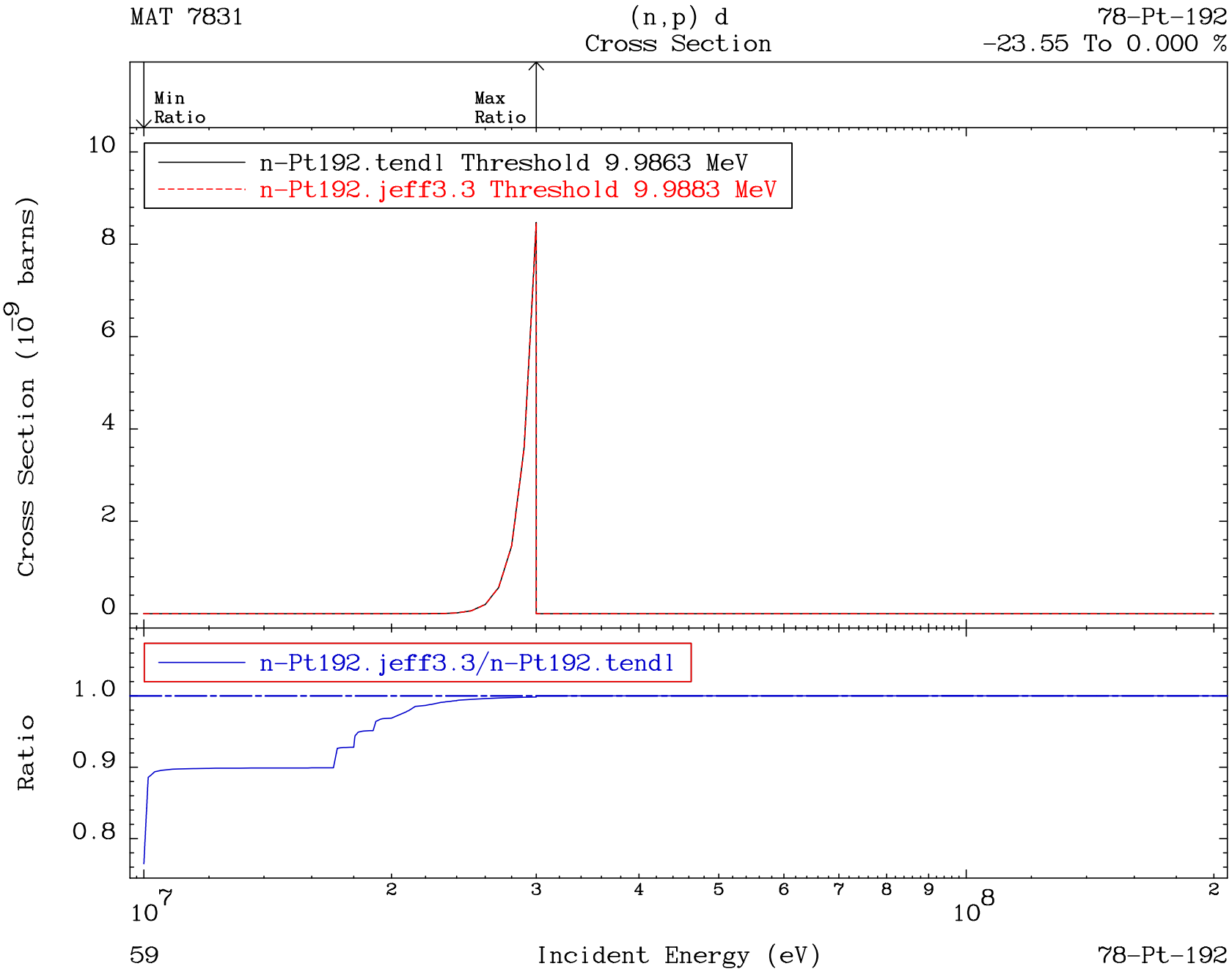

MAT 7831
(n,He-3)
Cross Section
78-Pt-192
-1.676 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 4.4639 MeV
n-Pt192.jeff3.3 Threshold 4.4660 MeV
Cross Section (micro-barns)
350
300
250
200
150
100
50
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.000
0.990
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
78-Pt-192

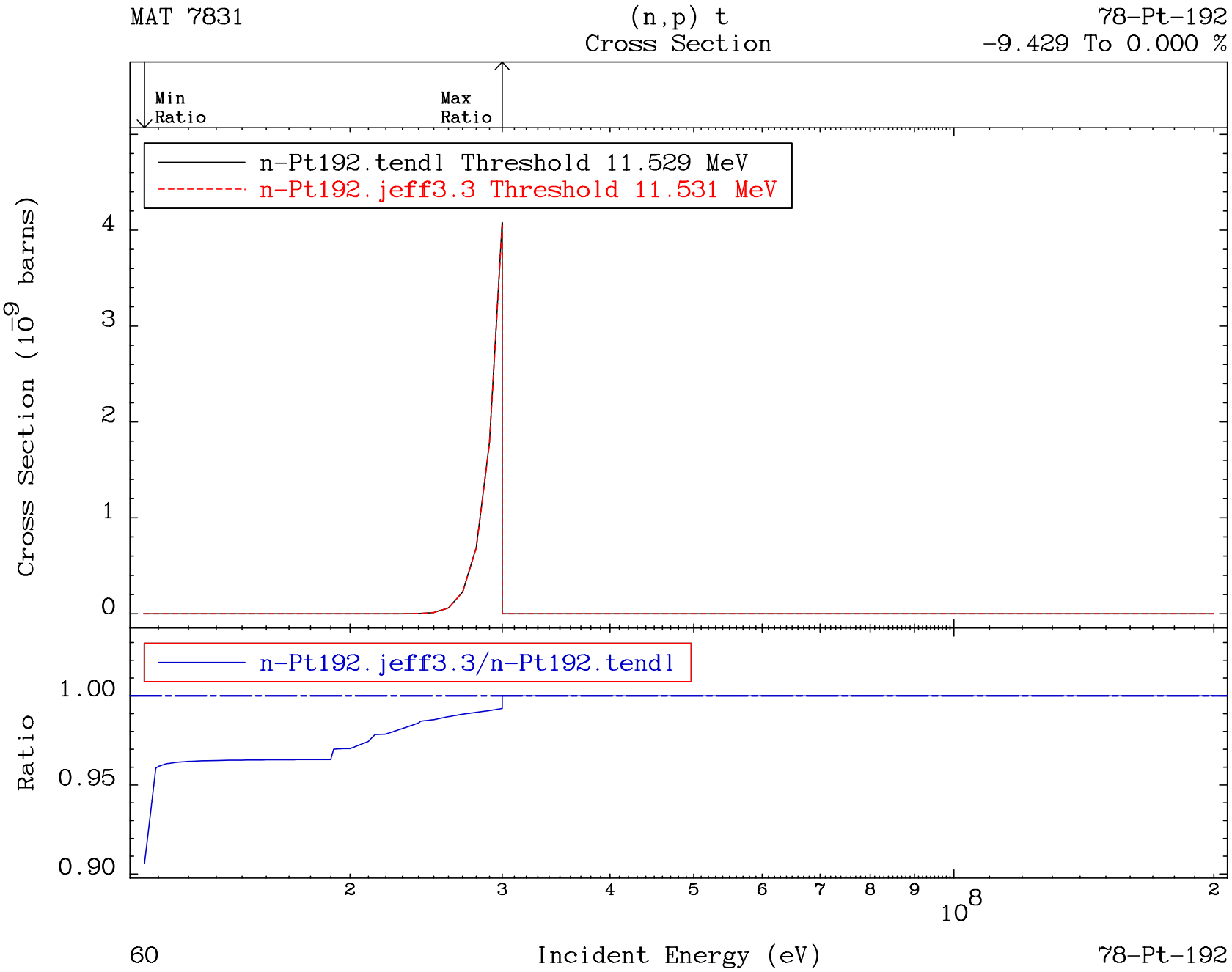

MAT 7831
(n,α)
Cross Section
78-Pt-192
-18.88 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
55
78-Pt-192

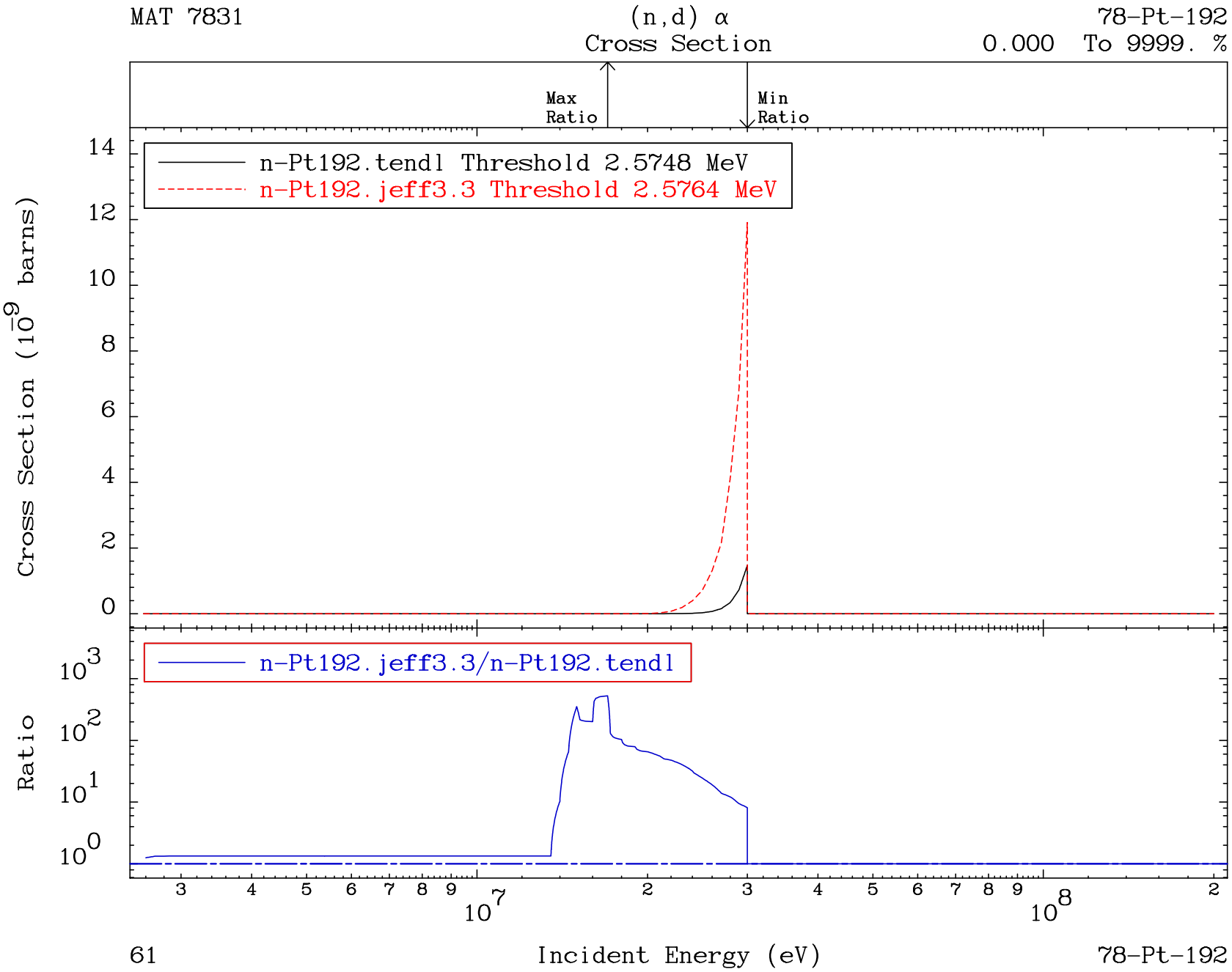

MAT 7831
(n,2α)
Cross Section
78-Pt-192
0.000 To 9999. %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 34.803 keV
n-Pt192.jeff3.3 Threshold 34.794 keV
Cross Section (10^-9 barns)
120
100
80
60
40
20
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^4
10^2
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
56
Incident Energy (eV)
78-Pt-192

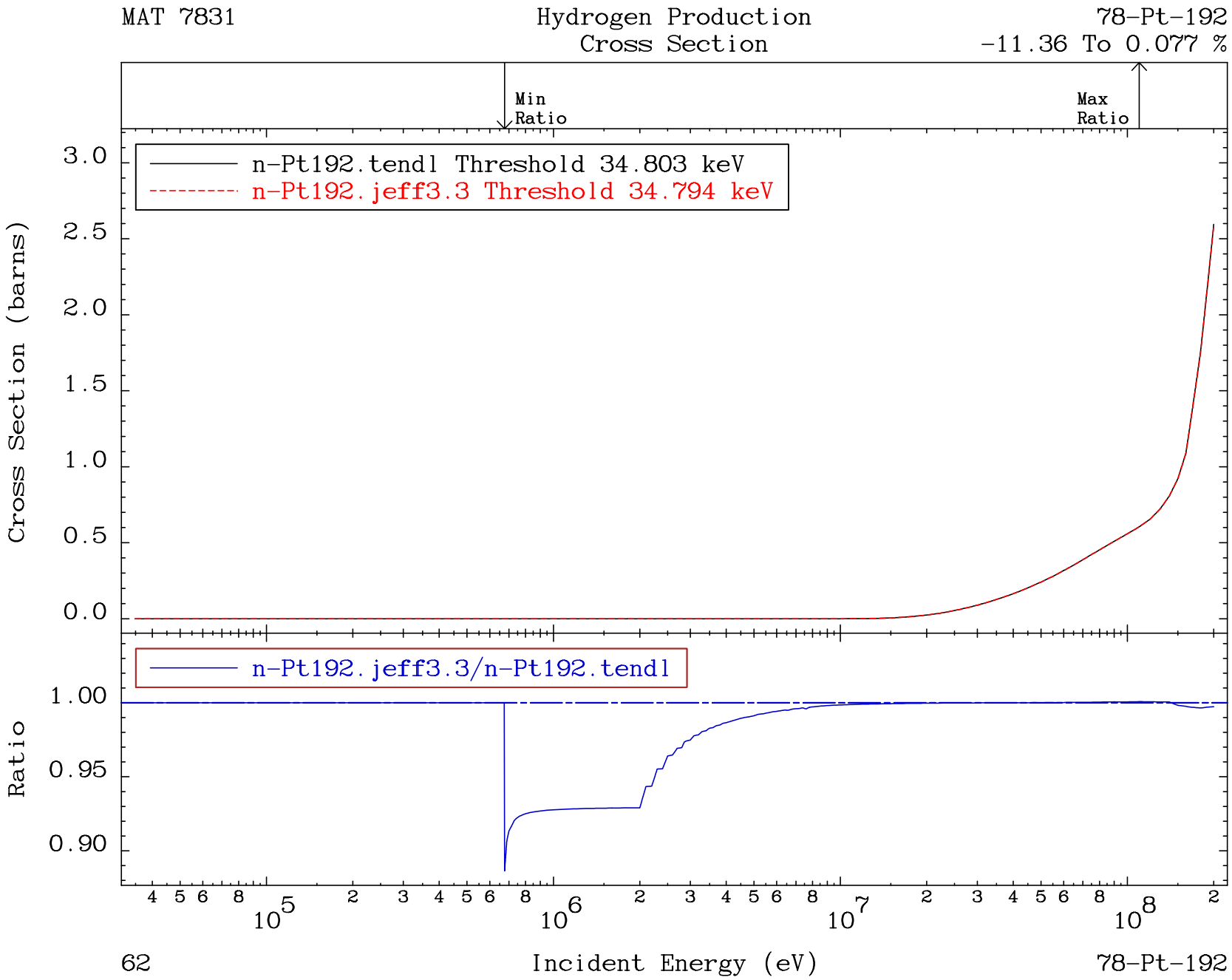

MAT 7831
(n,2p)
Cross Section
78-Pt-192
-20.49 To 0.141 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4335 MeV
n-Pt192.jeff3.3 Threshold 6.4356 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.8
0.9
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
57
Incident Energy (eV)
78-Pt-192

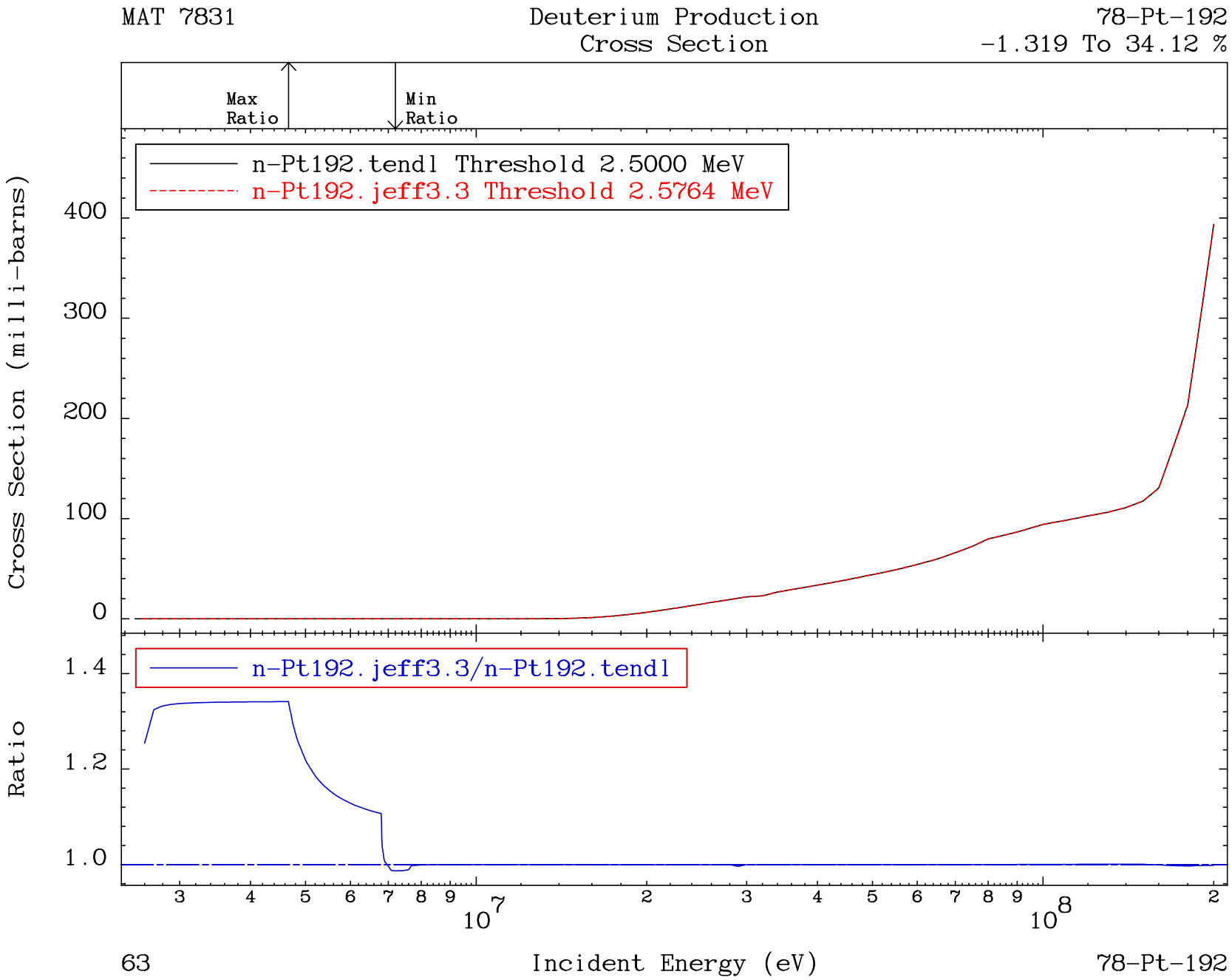

MAT 7831
(n,p) α
Cross Section
78-Pt-192
0.000 To 9999. %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 34.803 keV
n-Pt192.jeff3.3 Threshold 34.794 keV
Cross Section (10^{-9} barns)
70
60
50
40
30
20
10
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
10^4
10^2
10^0
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
58
Incident Energy (eV)
78-Pt-192

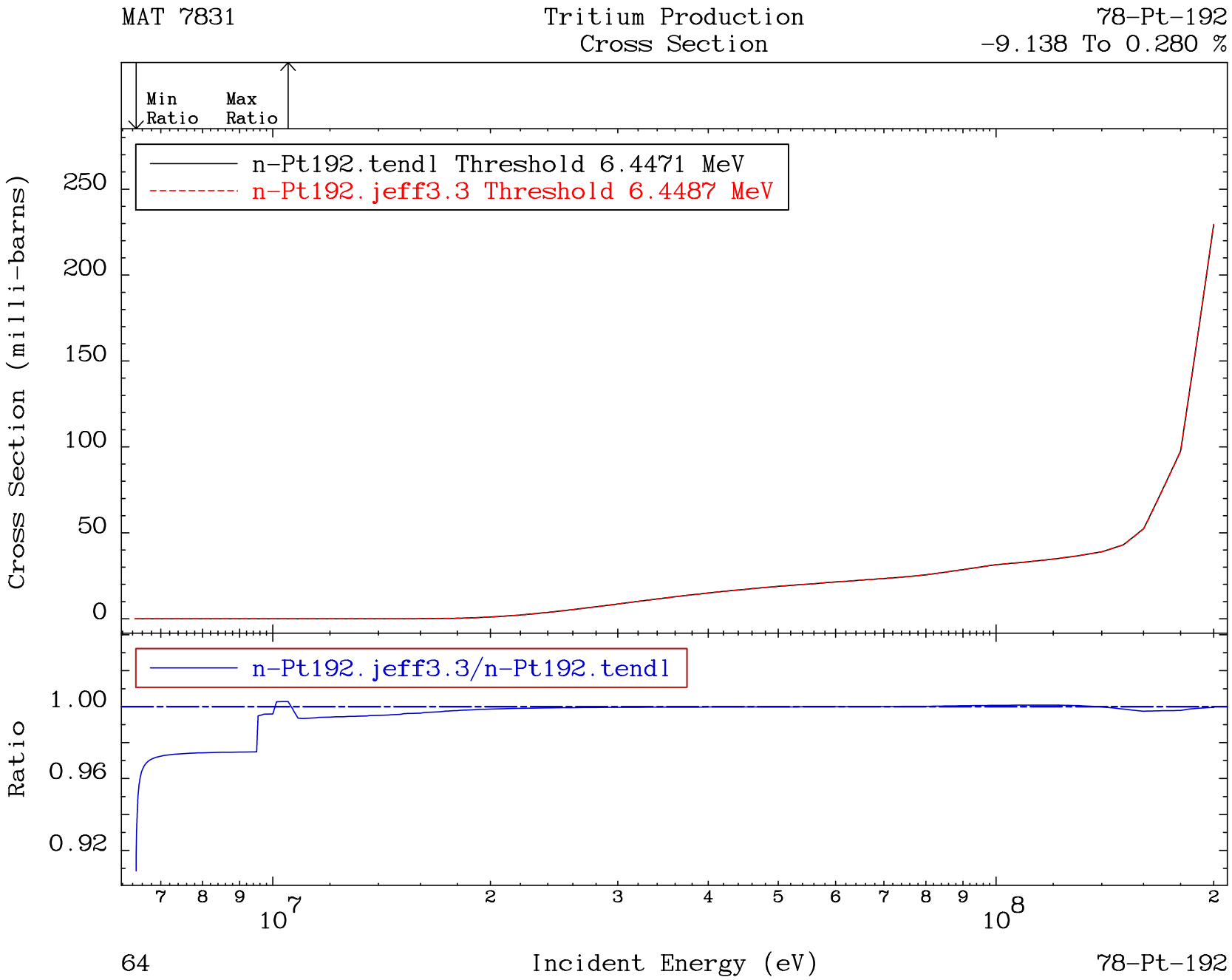

MAT 7831
(n,p) d
Cross Section
78-Pt-192
-23.55 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 9.9863 MeV
n-Pt192.jeff3.3 Threshold 9.9883 MeV
Cross Section (10^{-9} barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
59
78-Pt-192

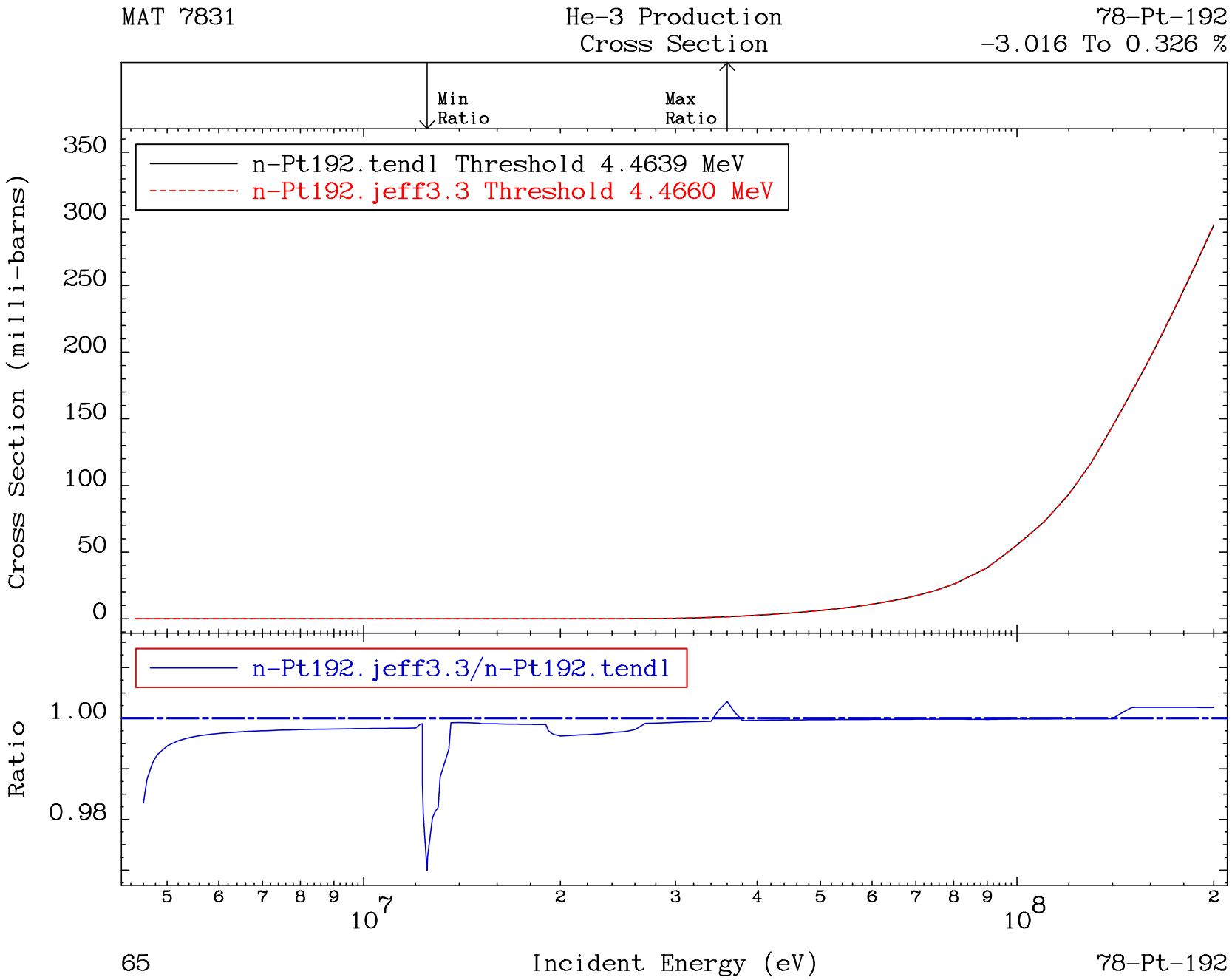

MAT 7831
(n,p) t
Cross Section
78-Pt-192
-9.429 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 11.529 MeV
n-Pt192.jeff3.3 Threshold 11.531 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.90
0.95
1.00
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
78-Pt-192

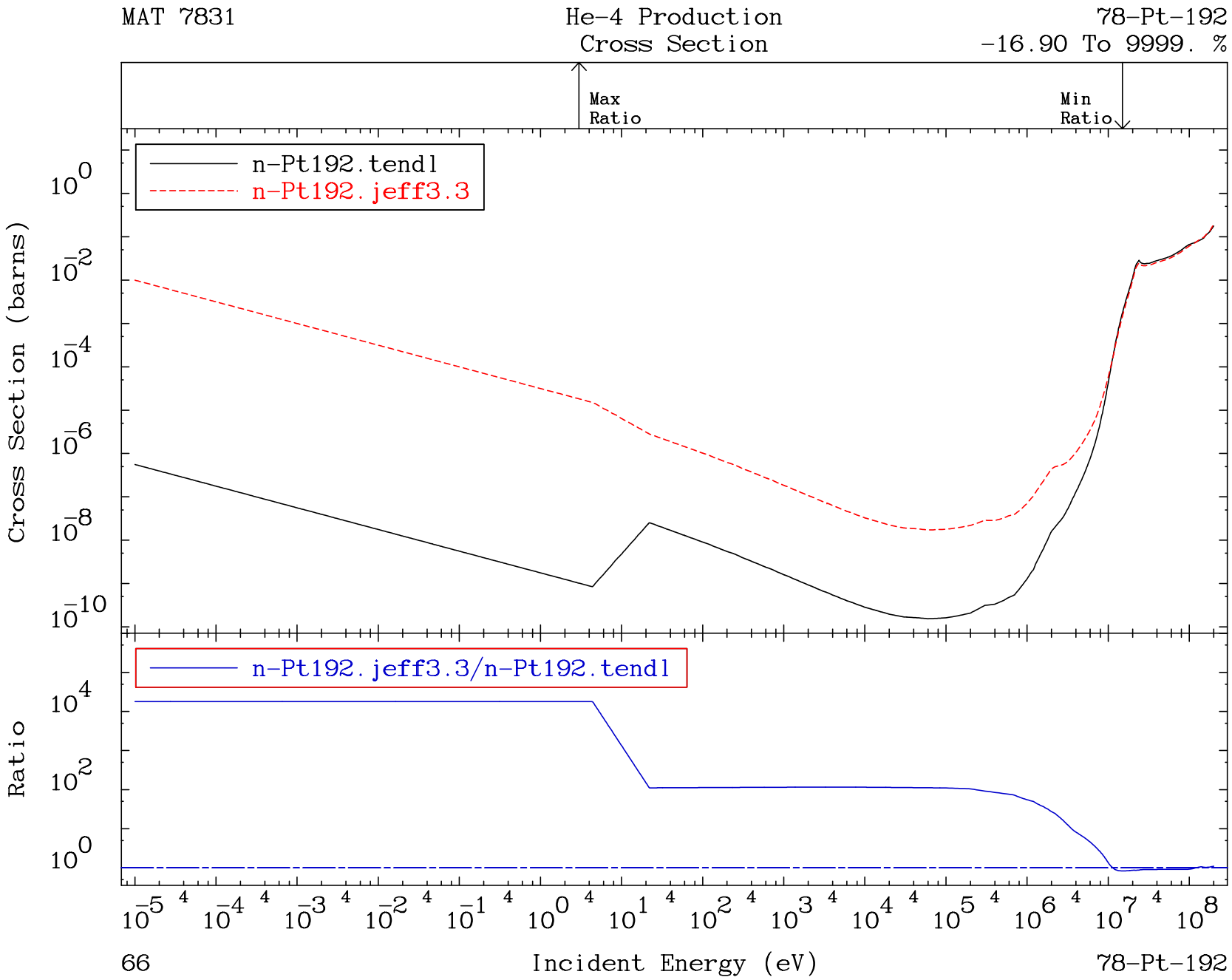

MAT 7831
(n,d) α
Cross Section
78-Pt-192
0.000 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 2.5748 MeV
n-Pt192.jeff3.3 Threshold 2.5764 MeV
Cross Section (10^-9 barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
61
78-Pt-192

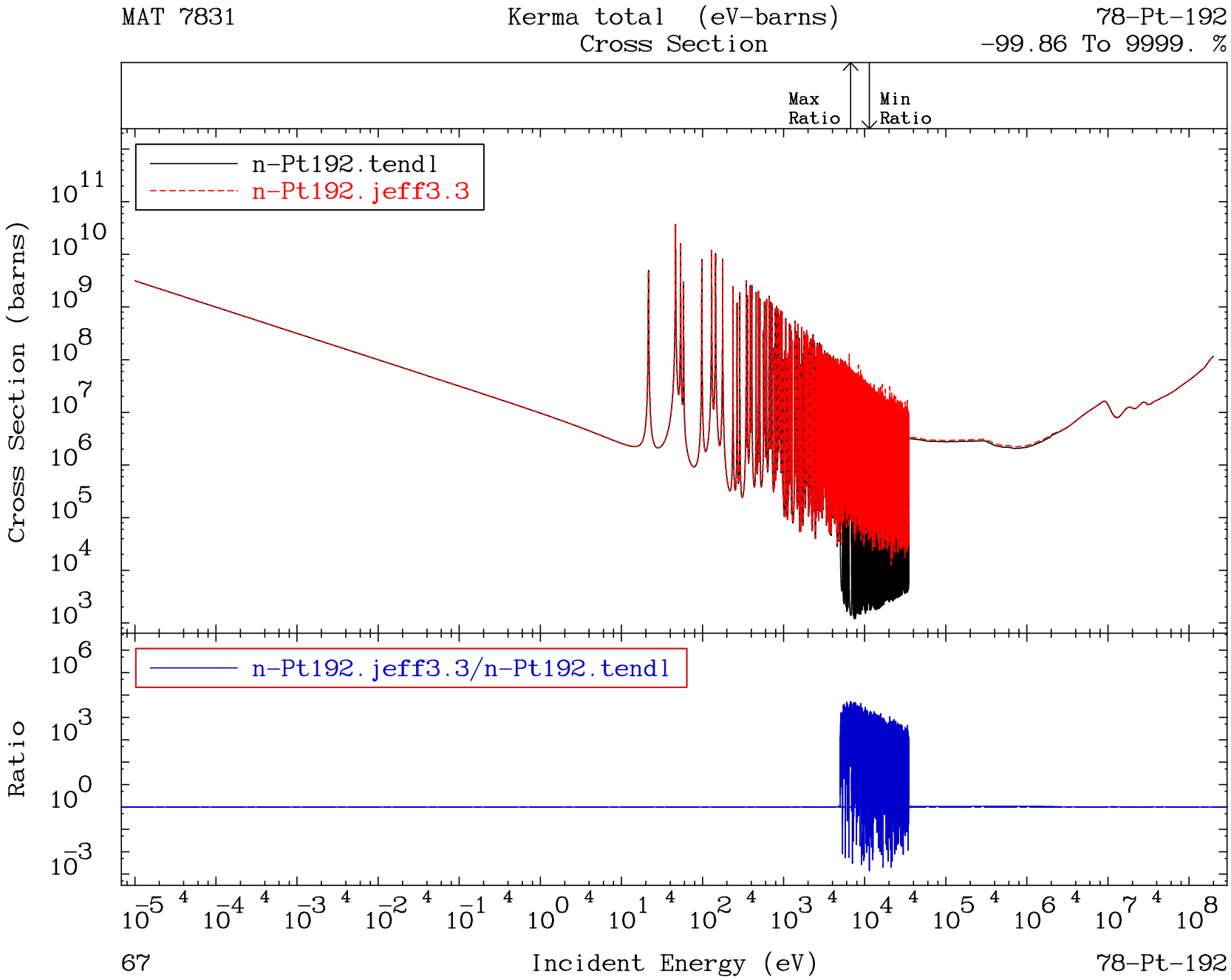

MAT 7831
Hydrogen Production
Cross Section
78-Pt-192
-11.36 To 0.077 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 34.803 keV
n-Pt192.jeff3.3 Threshold 34.794 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
4 5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
62
Incident Energy (eV)
78-Pt-192

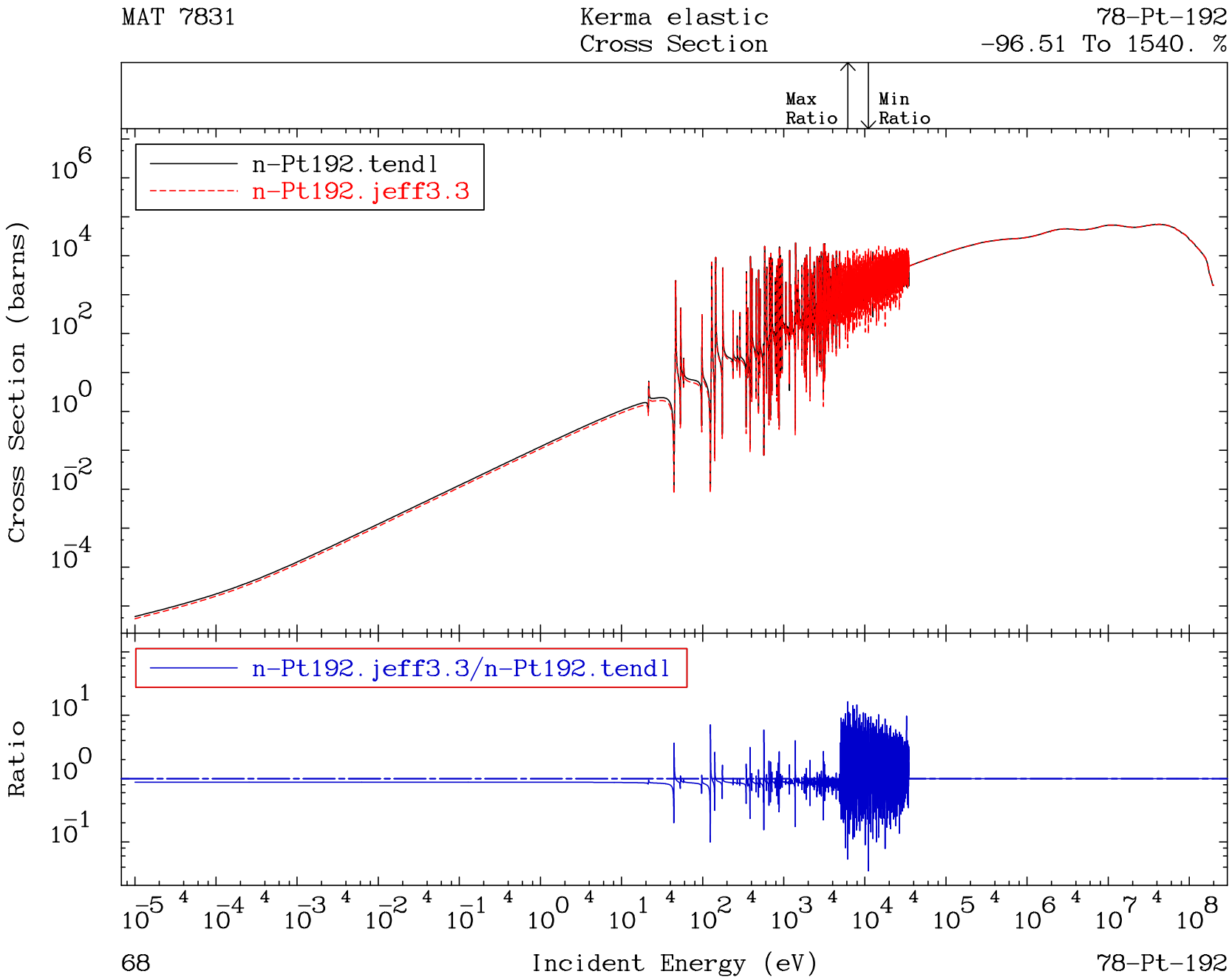

MAT 7831
Deuterium Production
Cross Section
78-Pt-192
-1.319 To 34.12 %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 2.5000 MeV
n-Pt192.jeff3.3 Threshold 2.5764 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.4
1.2
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
63
Incident Energy (eV)
78-Pt-192

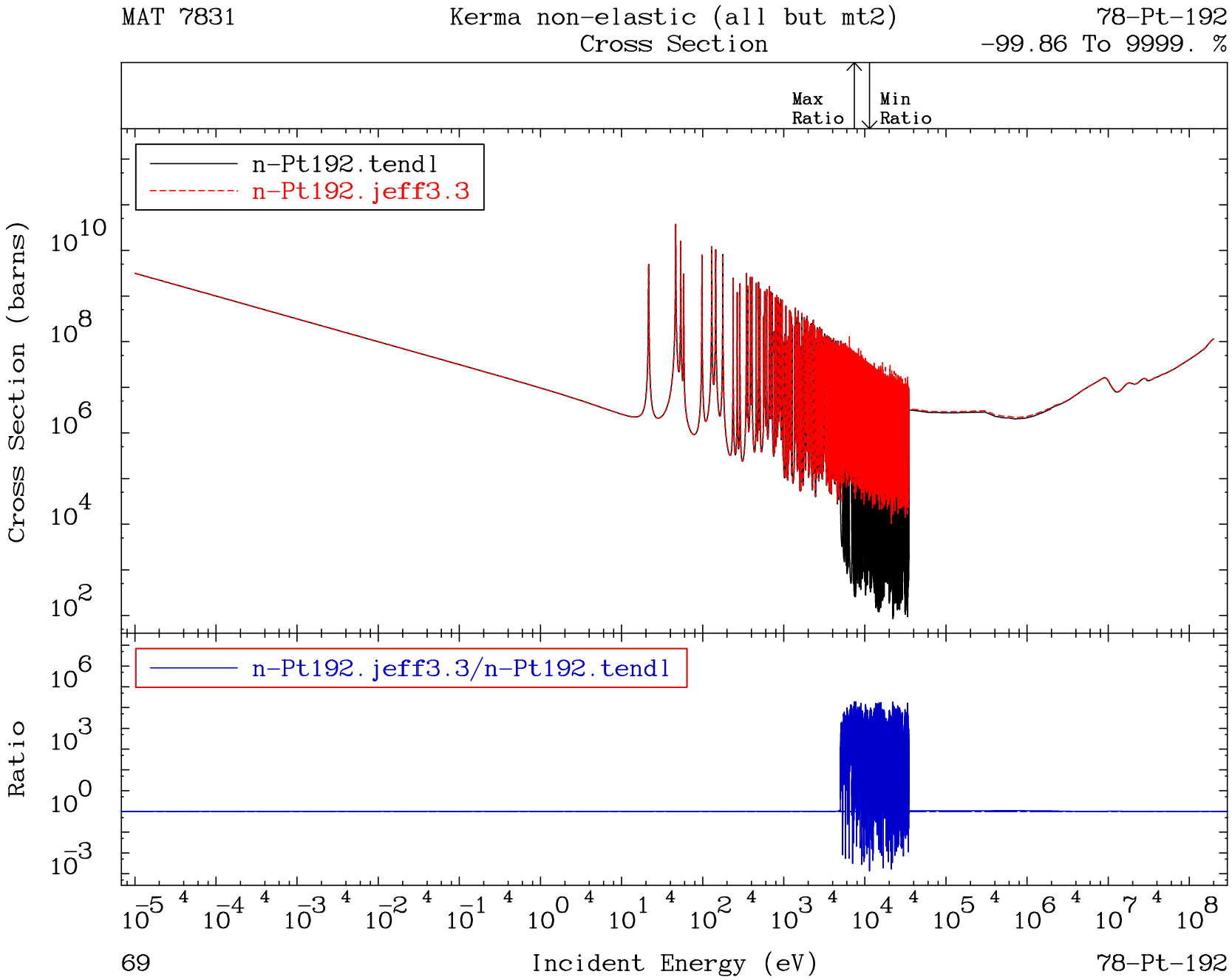

MAT 7831
Tritium Production
Cross Section
78-Pt-192
-9.138 To 0.280 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4471 MeV
n-Pt192.jeff3.3 Threshold 6.4487 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
78-Pt-192

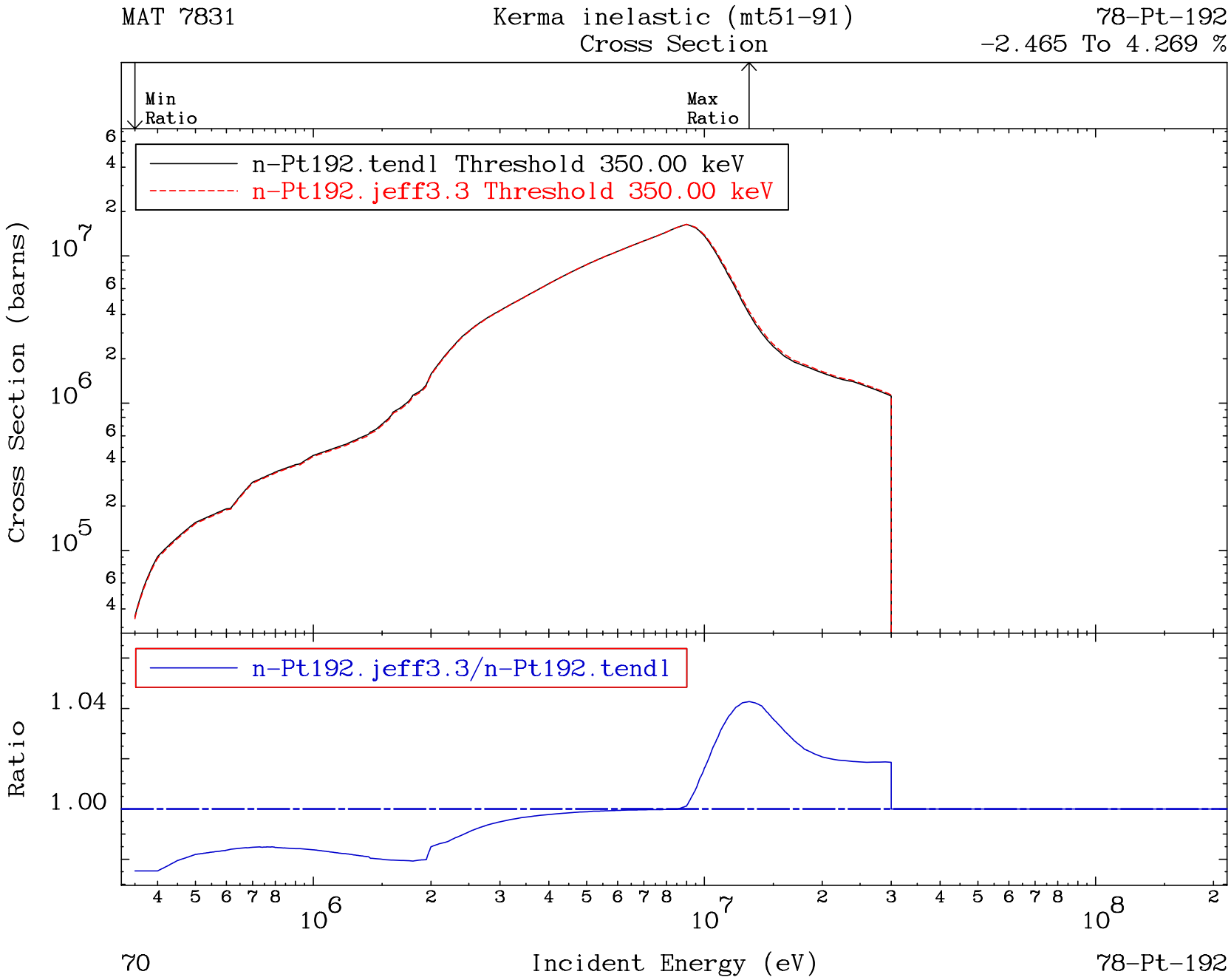

MAT 7831
He-3 Production
Cross Section
78-Pt-192
-3.016 To 0.326 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 4.4639 MeV
n-Pt192.jeff3.3 Threshold 4.4660 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
78-Pt-192

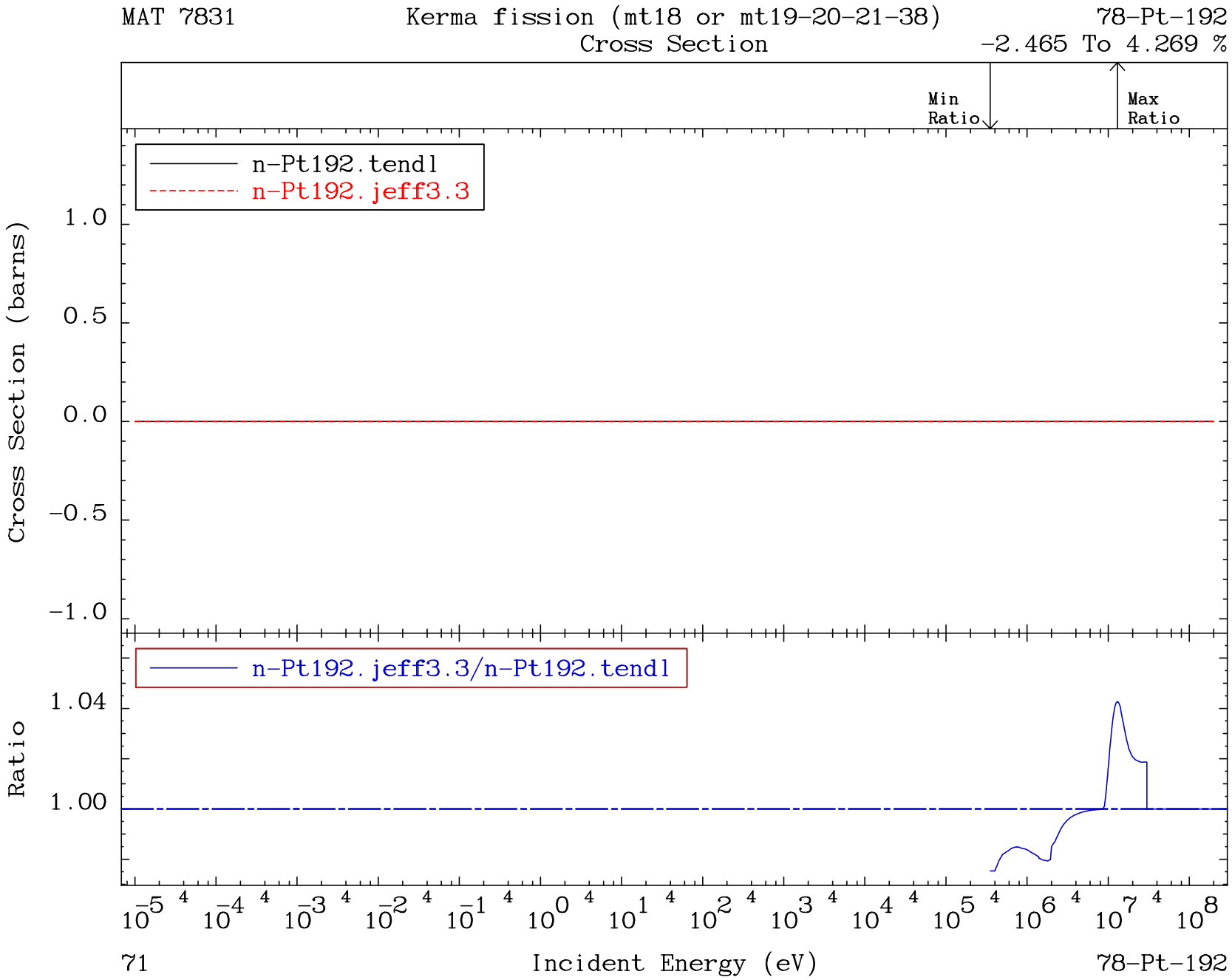

MAT 7831
He-4 Production
Cross Section
78-Pt-192
-16.90 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
66
78-Pt-192

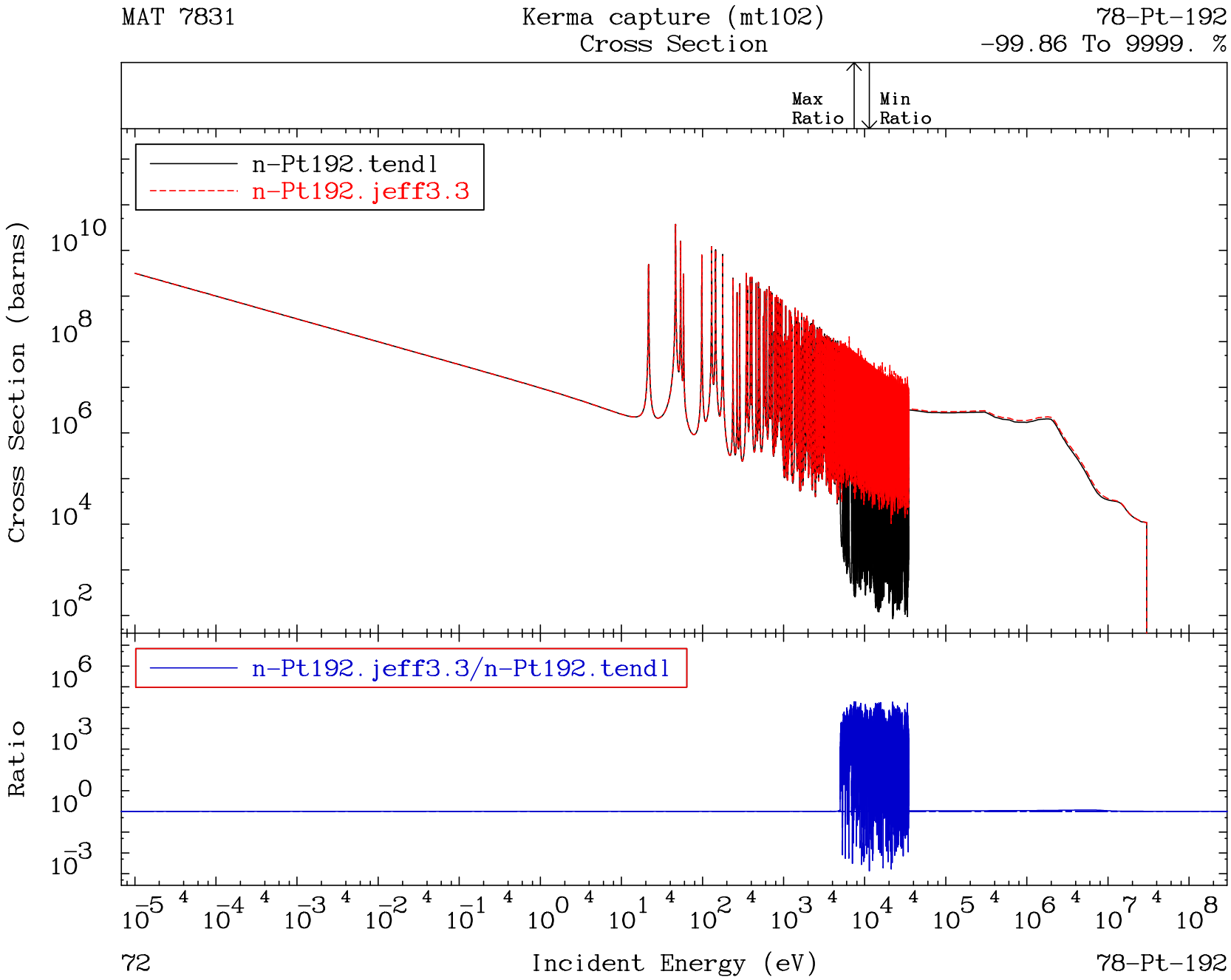

MAT 7831
Kerma total (eV-barns)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
67
78-Pt-192

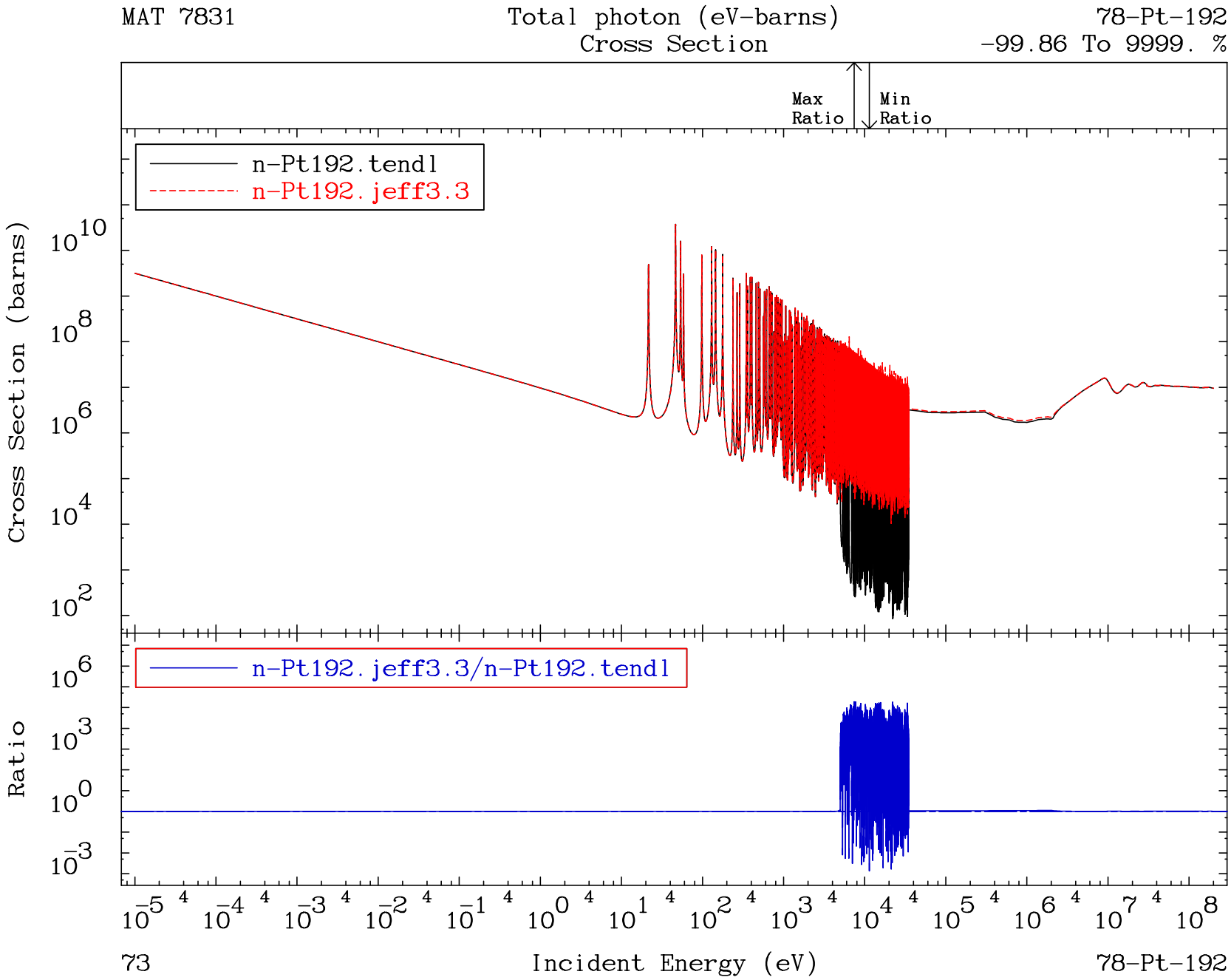

MAT 7831
Kerma elastic
Cross Section
78-Pt-192
-96.51 To 1540. %
Max
Ratio
Min
Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
68
Incident Energy (eV)
78-Pt-192

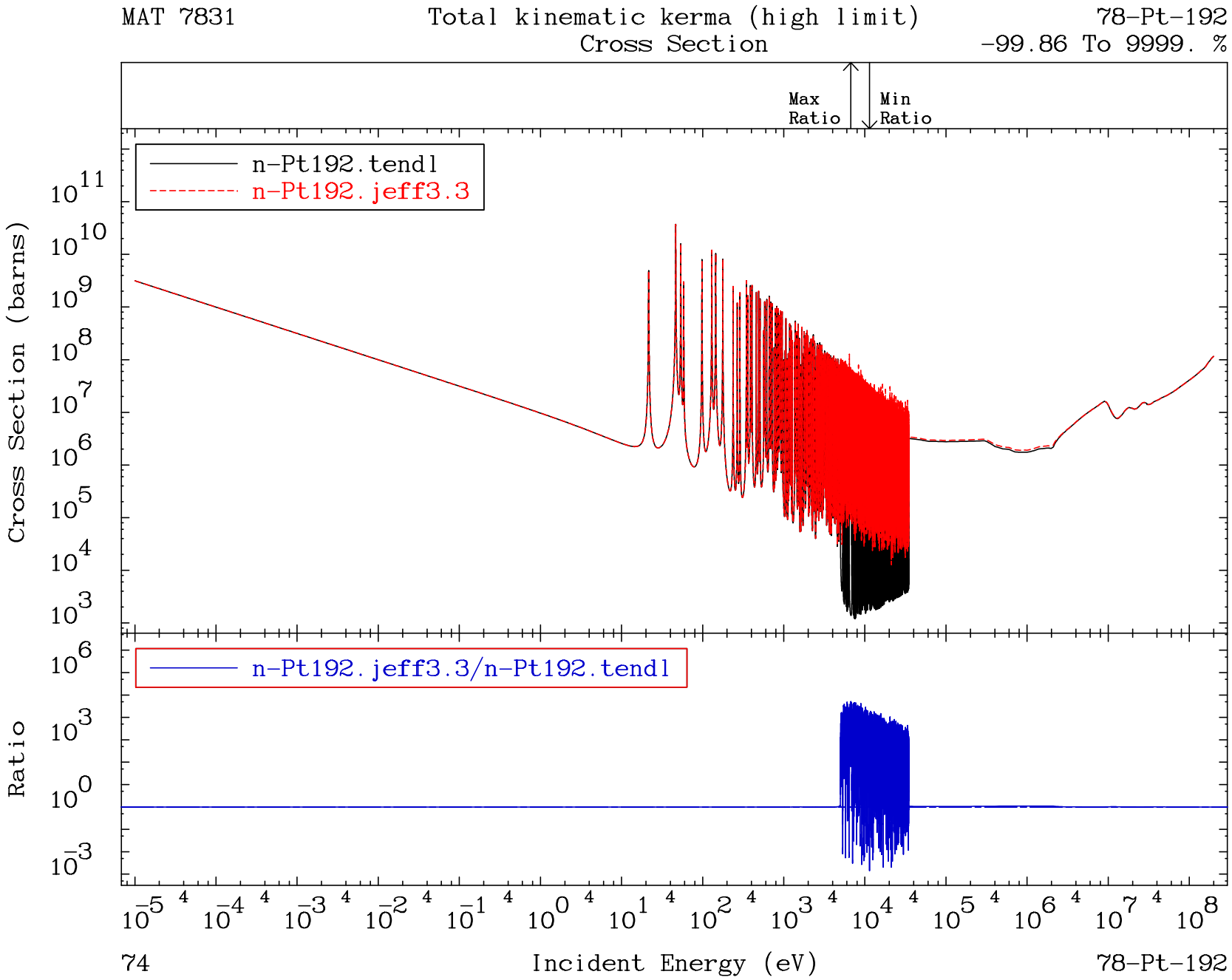

MAT 7831
Kerma non-elastic (all but mt2)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
69
78-Pt-192

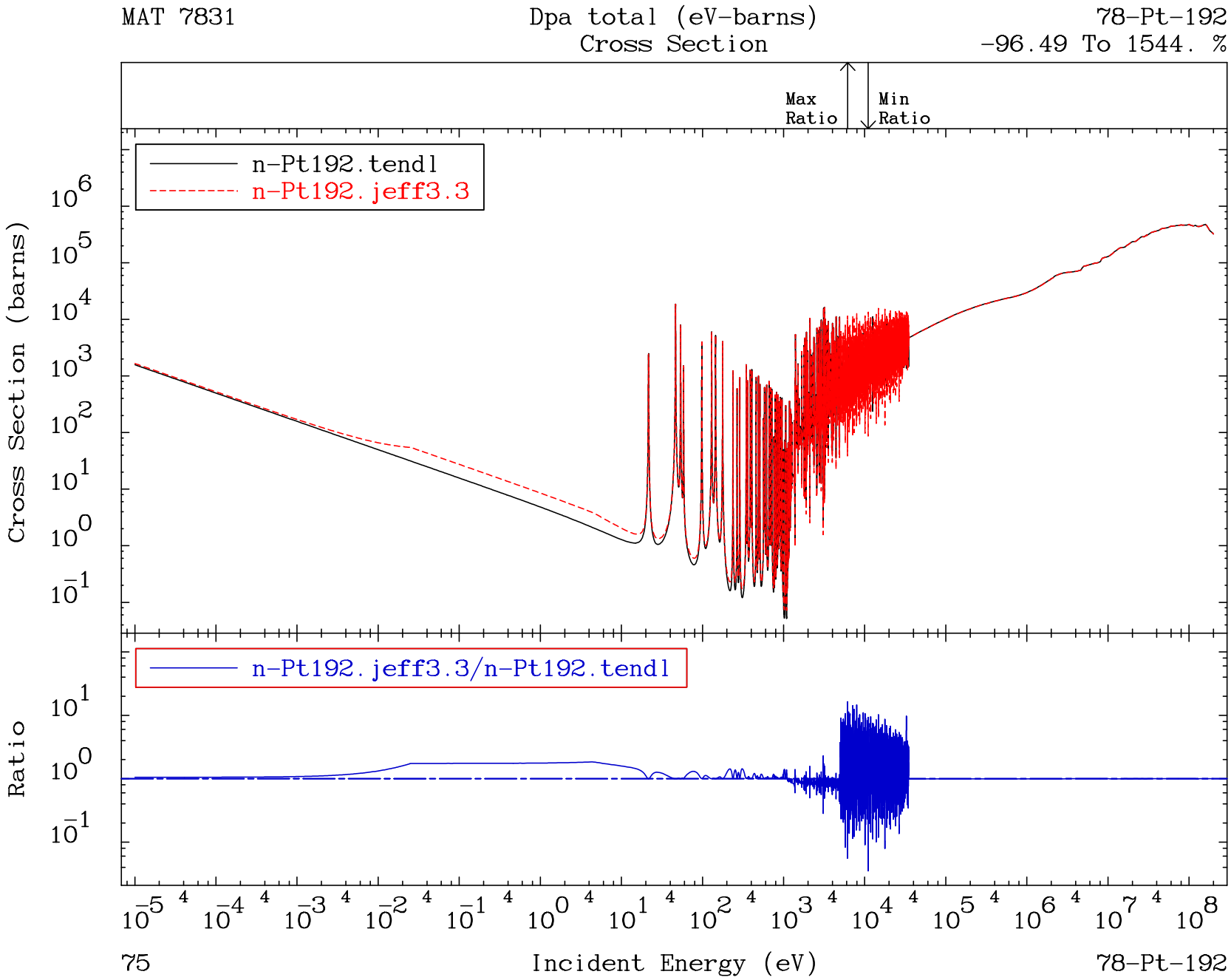

MAT 7831
Kerma inelastic (mt51-91)
Cross Section
78-Pt-192
-2.465 To 4.269 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 350.00 keV
n-Pt192.jeff3.3 Threshold 350.00 keV
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.04
1.00
Incident Energy (eV)
70
78-Pt-192

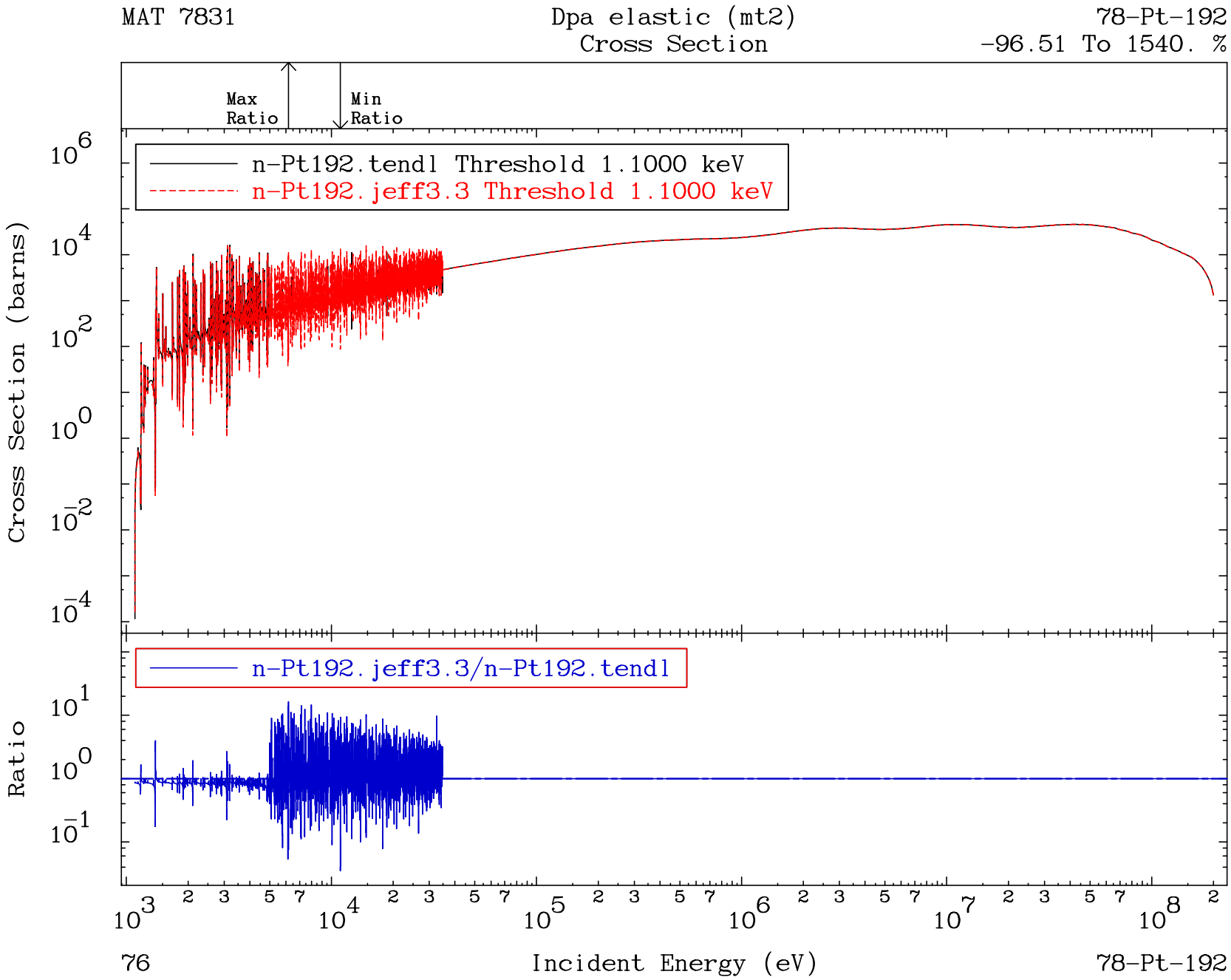

MAT 7831
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
78-Pt-192
-2.465 To 4.269 %
Min Ratio
Max Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.04
1.00
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
71
Incident Energy (eV)
78-Pt-192

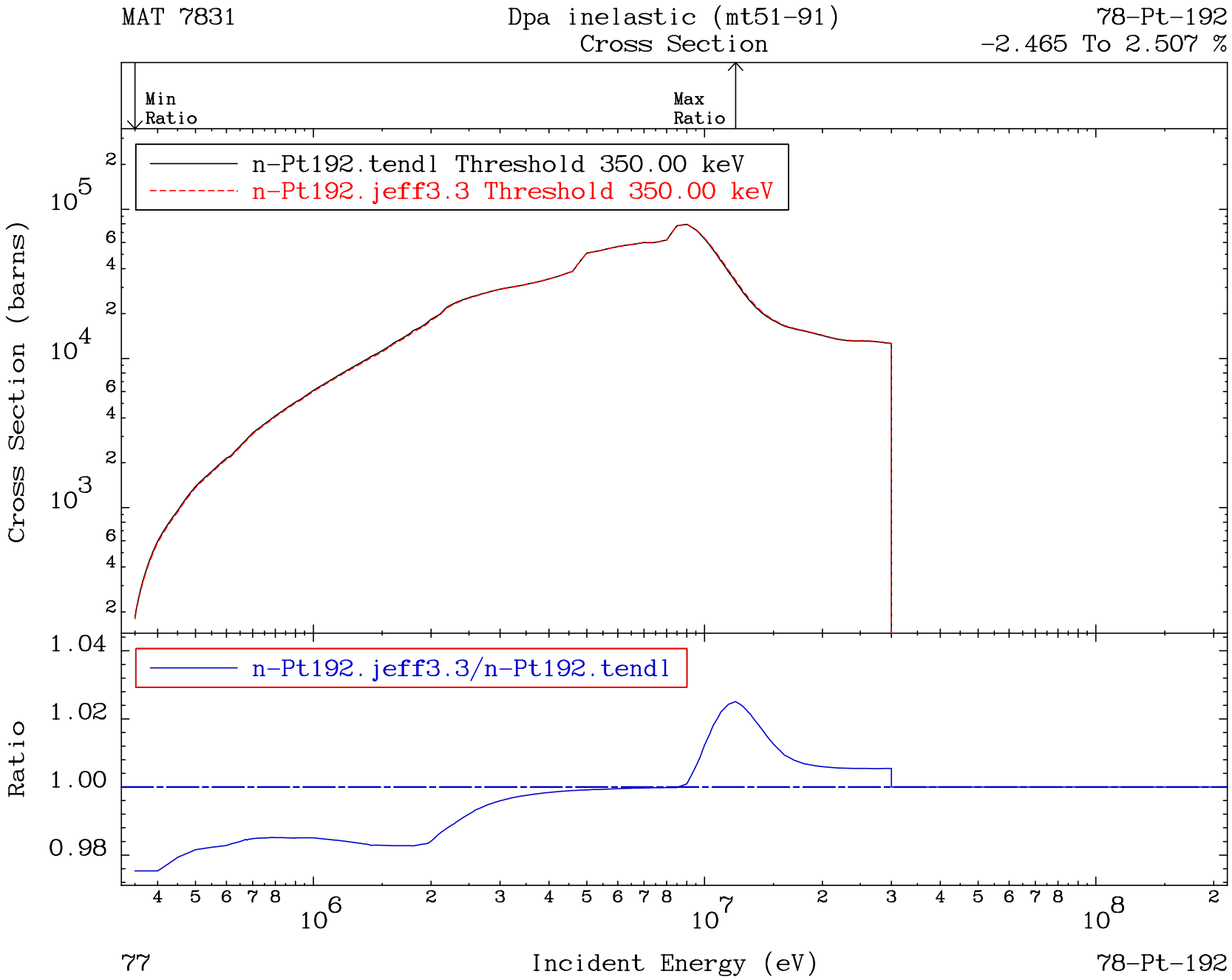

MAT 7831
Kerma capture (mt102)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
72
78-Pt-192

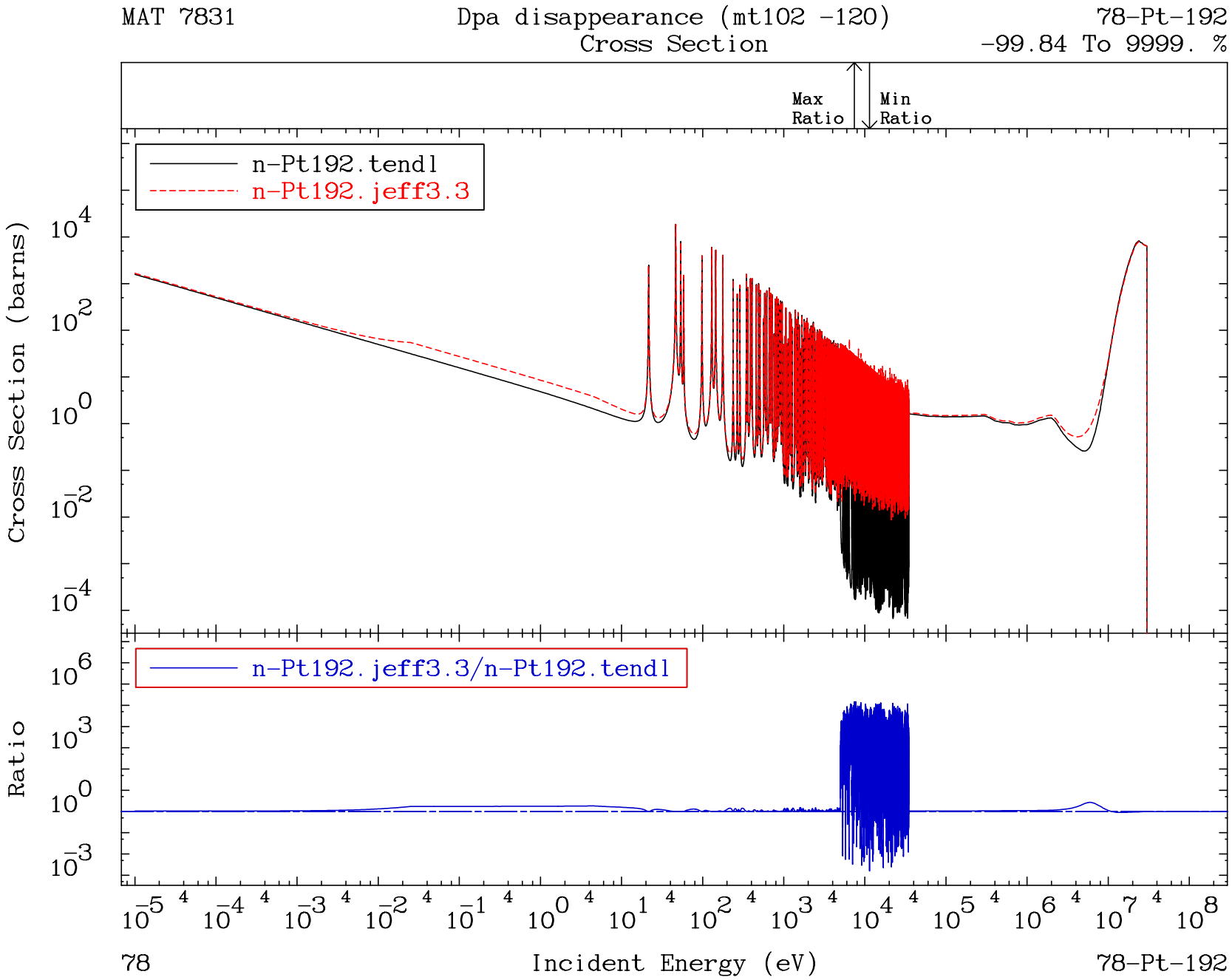

MAT 7831
Total photon (eV-barns)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
73
78-Pt-192

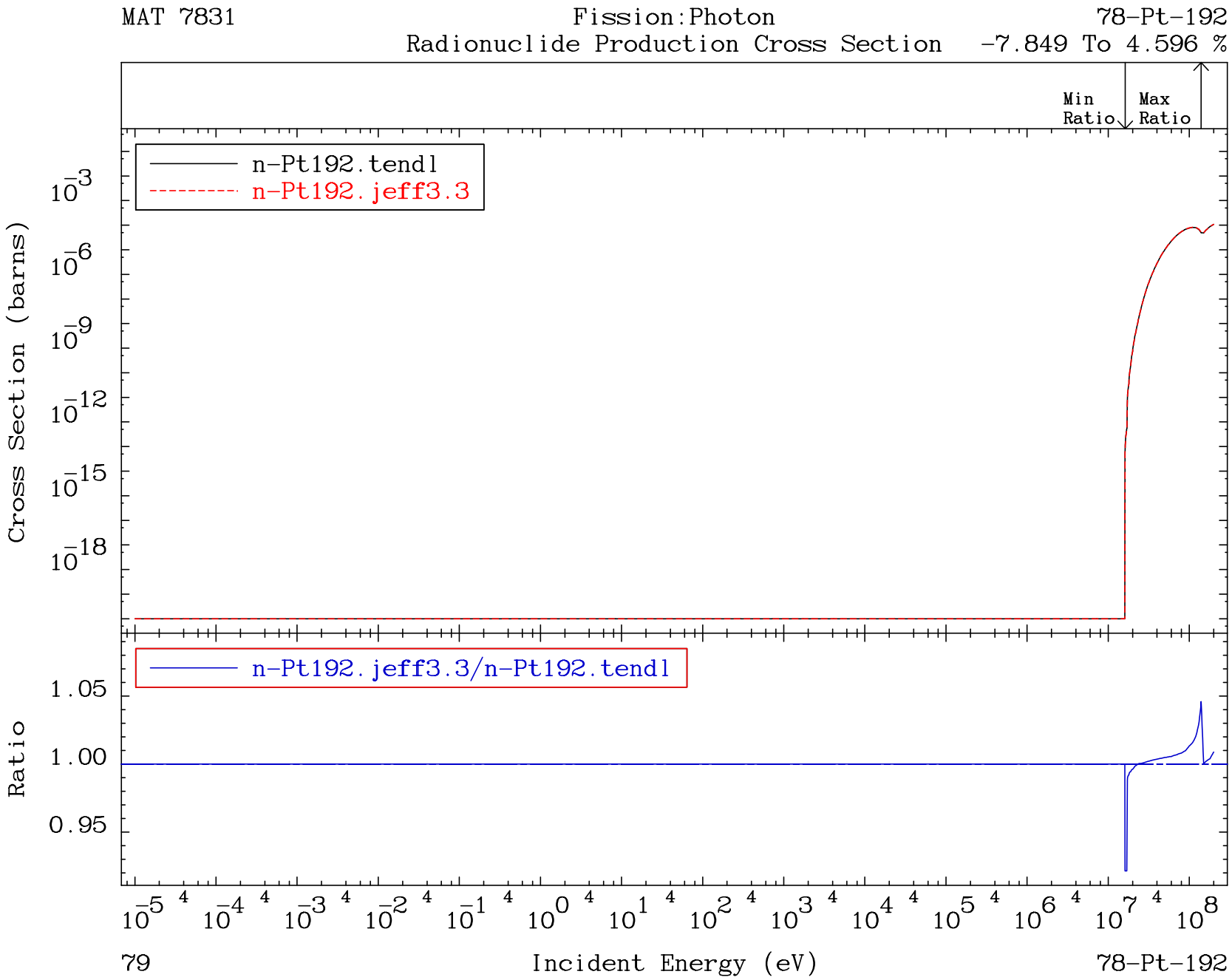

MAT 7831
Total kinematic kerma (high limit)
Cross Section
78-Pt-192
-99.86 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
74
78-Pt-192

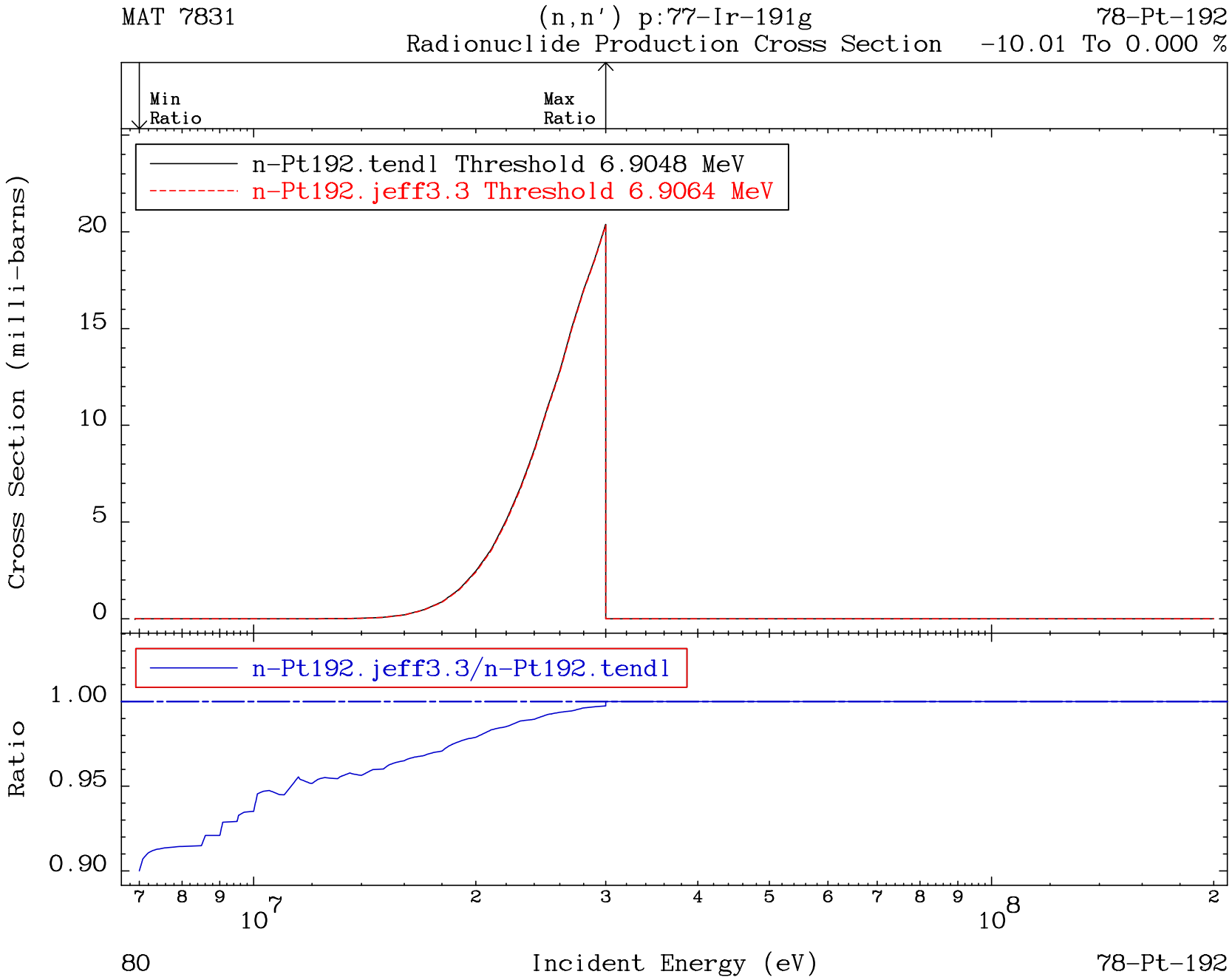

MAT 7831
Dpa total (eV-barns)
Cross Section
78-Pt-192
-96.49 To 1544. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
75
78-Pt-192

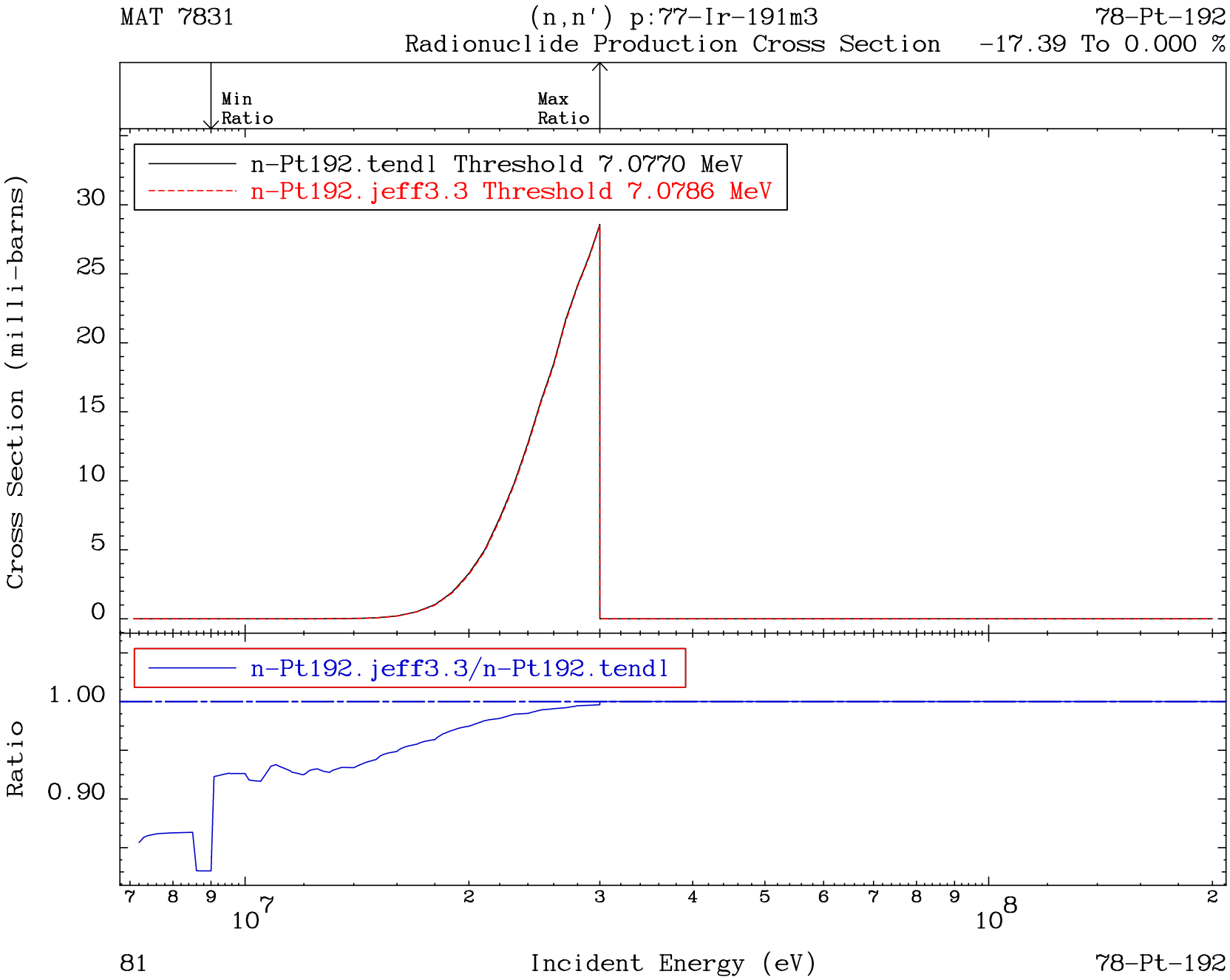

MAT 7831
Dpa elastic (mt2)
Cross Section
78-Pt-192
-96.51 To 1540. %
Max Ratio
Min Ratio
n-Pt192.tendl Threshold 1.1000 keV
n-Pt192.jeff3.3 Threshold 1.1000 keV
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
76
78-Pt-192

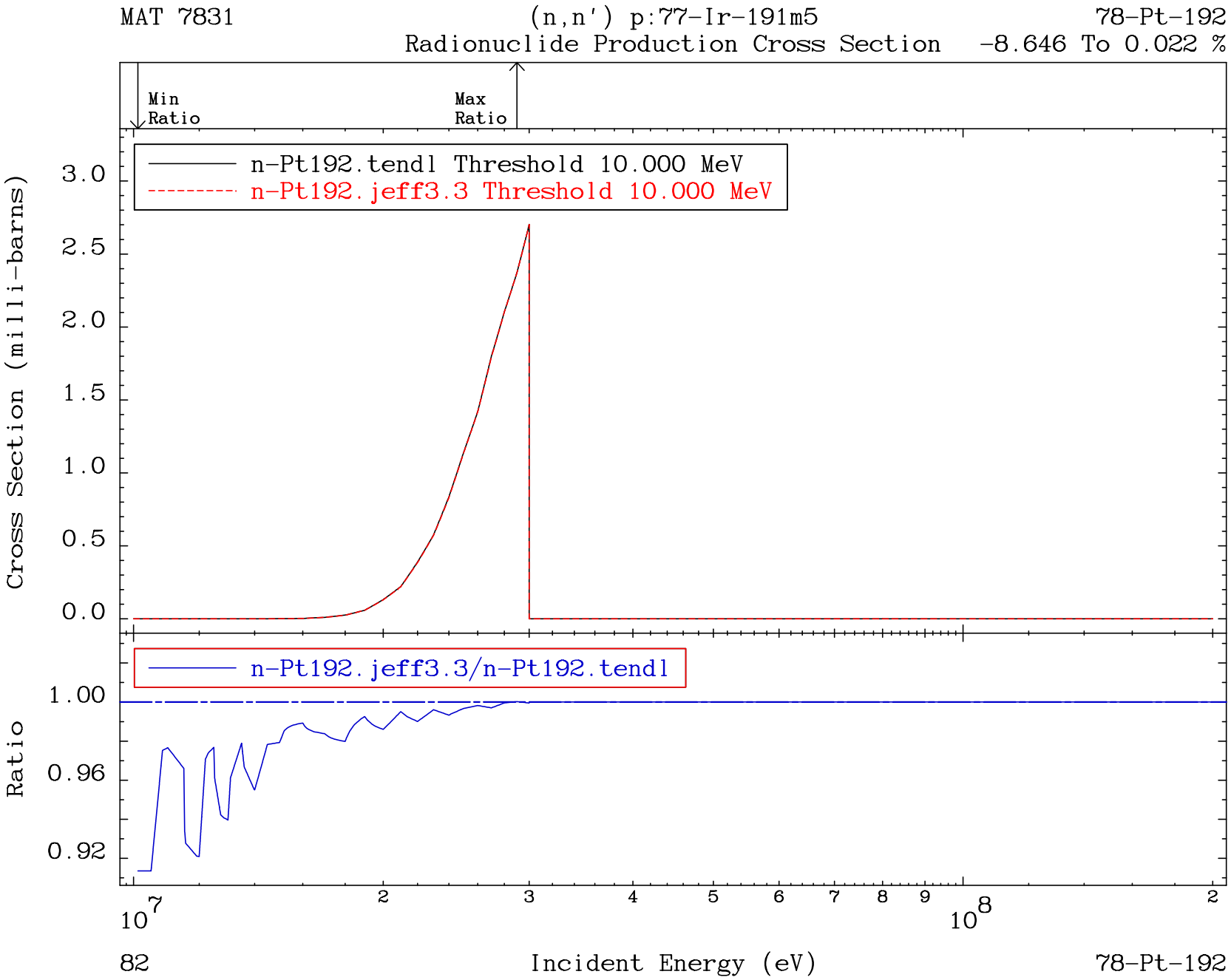

MAT 7831
Dpa inelastic (mt51-91)
Cross Section
78-Pt-192
-2.465 To 2.507 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 350.00 keV
n-Pt192.jeff3.3 Threshold 350.00 keV
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
77
78-Pt-192

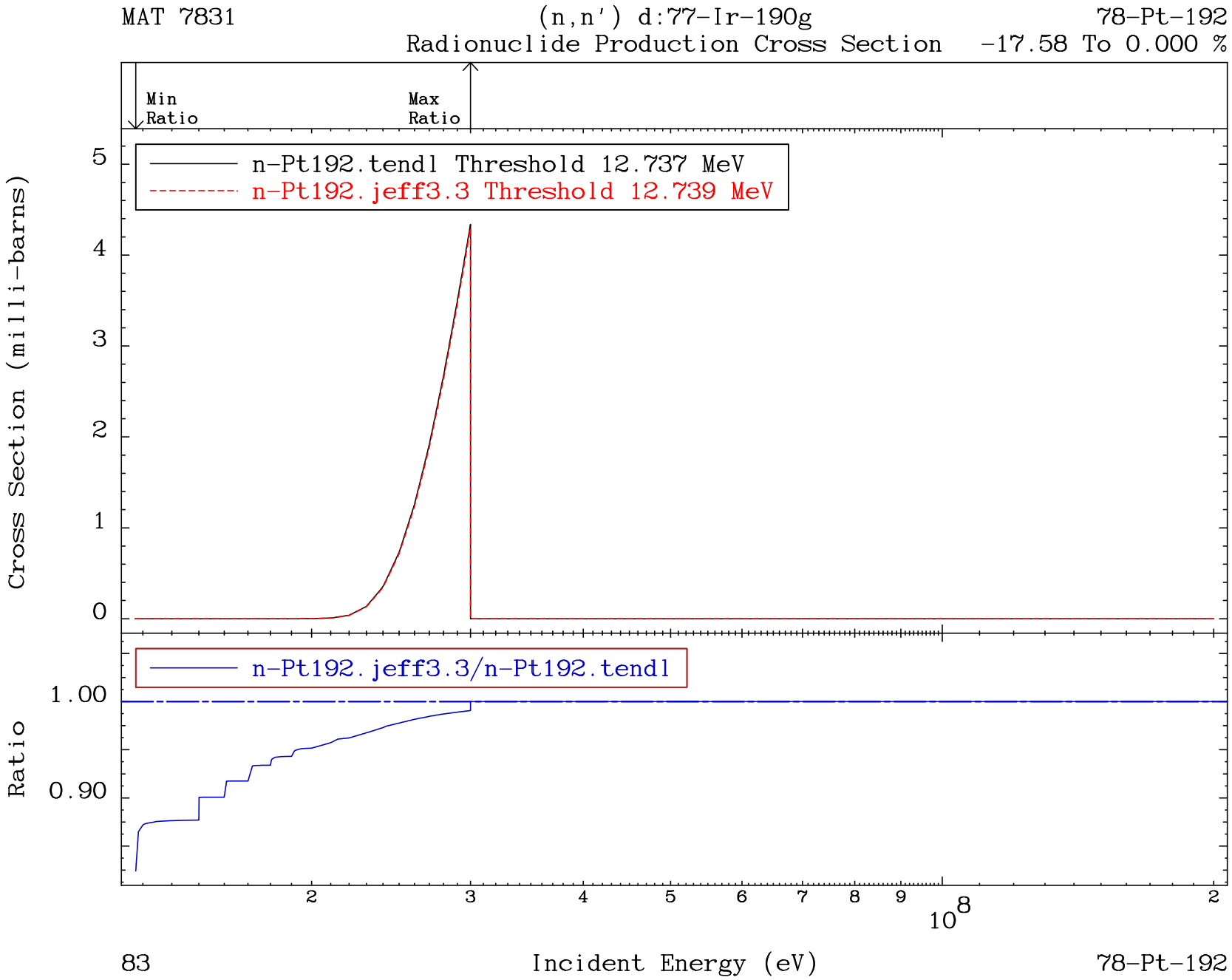

MAT 7831
Dpa disappearance (mt102 -120)
Cross Section
78-Pt-192
-99.84 To 9999. %
Max Ratio
Min Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
Incident Energy (eV)
78
78-Pt-192

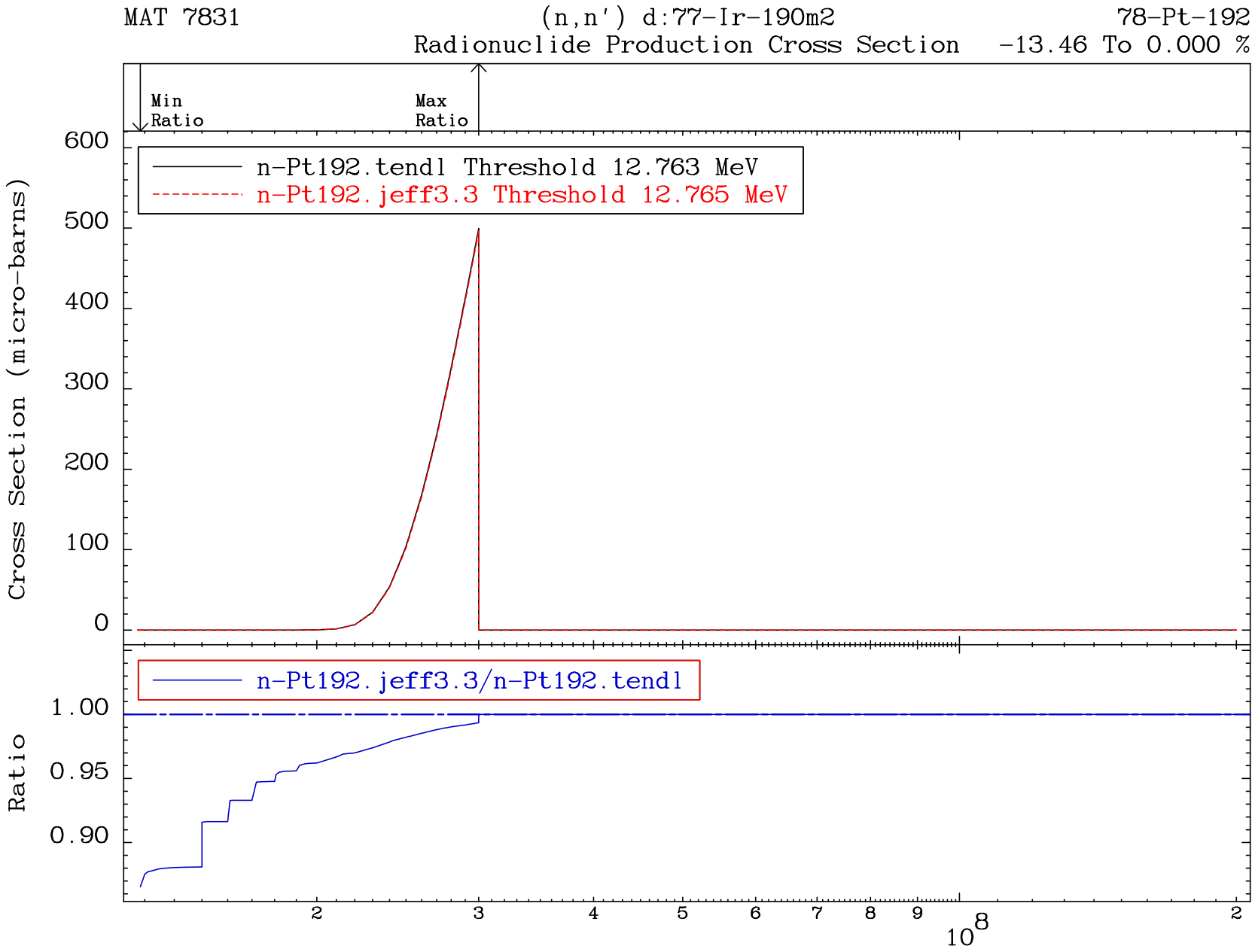

MAT 7831
Fission:Photon
78-Pt-192
Radionuclide Production Cross Section
-7.849 To 4.596 %
Min Ratio
Max Ratio
n-Pt192.tendl
n-Pt192.jeff3.3
Cross Section (barns)
10-3
10-6
10-9
10-12
10-15
10-18
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.05
1.00
0.95
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
79
Incident Energy (eV)
78-Pt-192

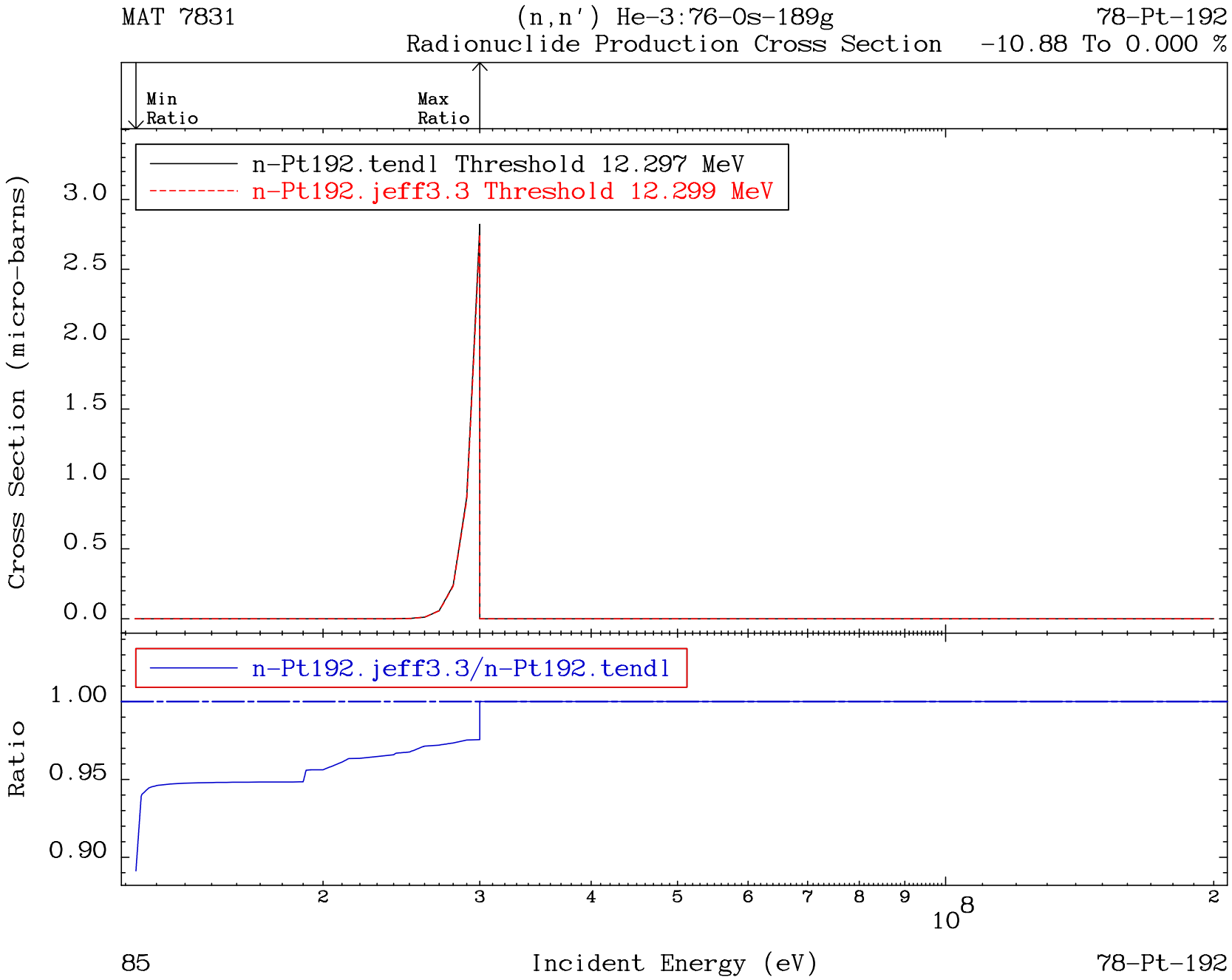

MAT 7831
(n,n') p:77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section -10.01 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.9048 MeV
n-Pt192.jeff3.3 Threshold 6.9064 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
80
Incident Energy (eV)
78-Pt-192

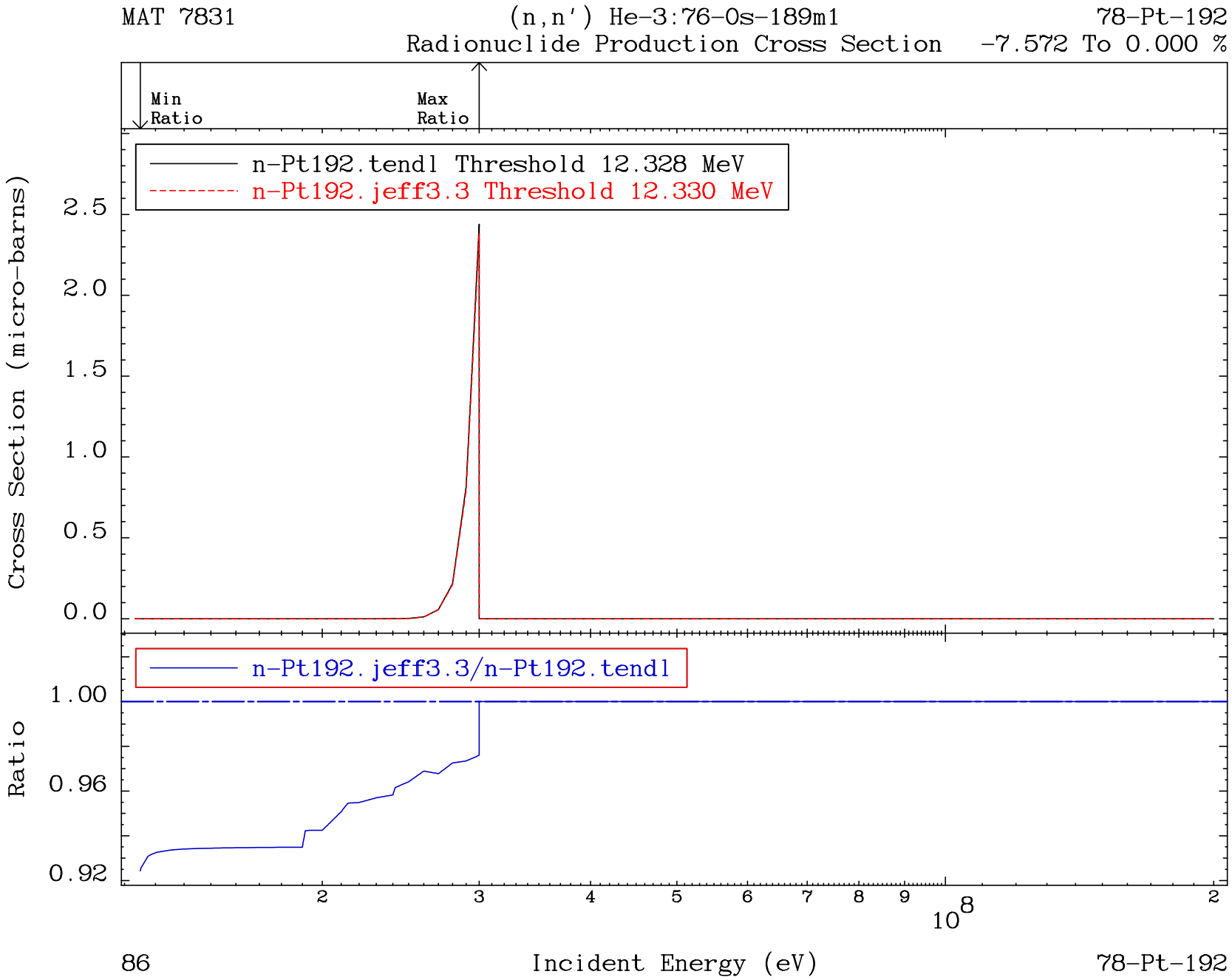

MAT 7831
(n,n') p:77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section -17.39 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 7.0770 MeV
n-Pt192.jeff3.3 Threshold 7.0786 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
81
Incident Energy (eV)
78-Pt-192

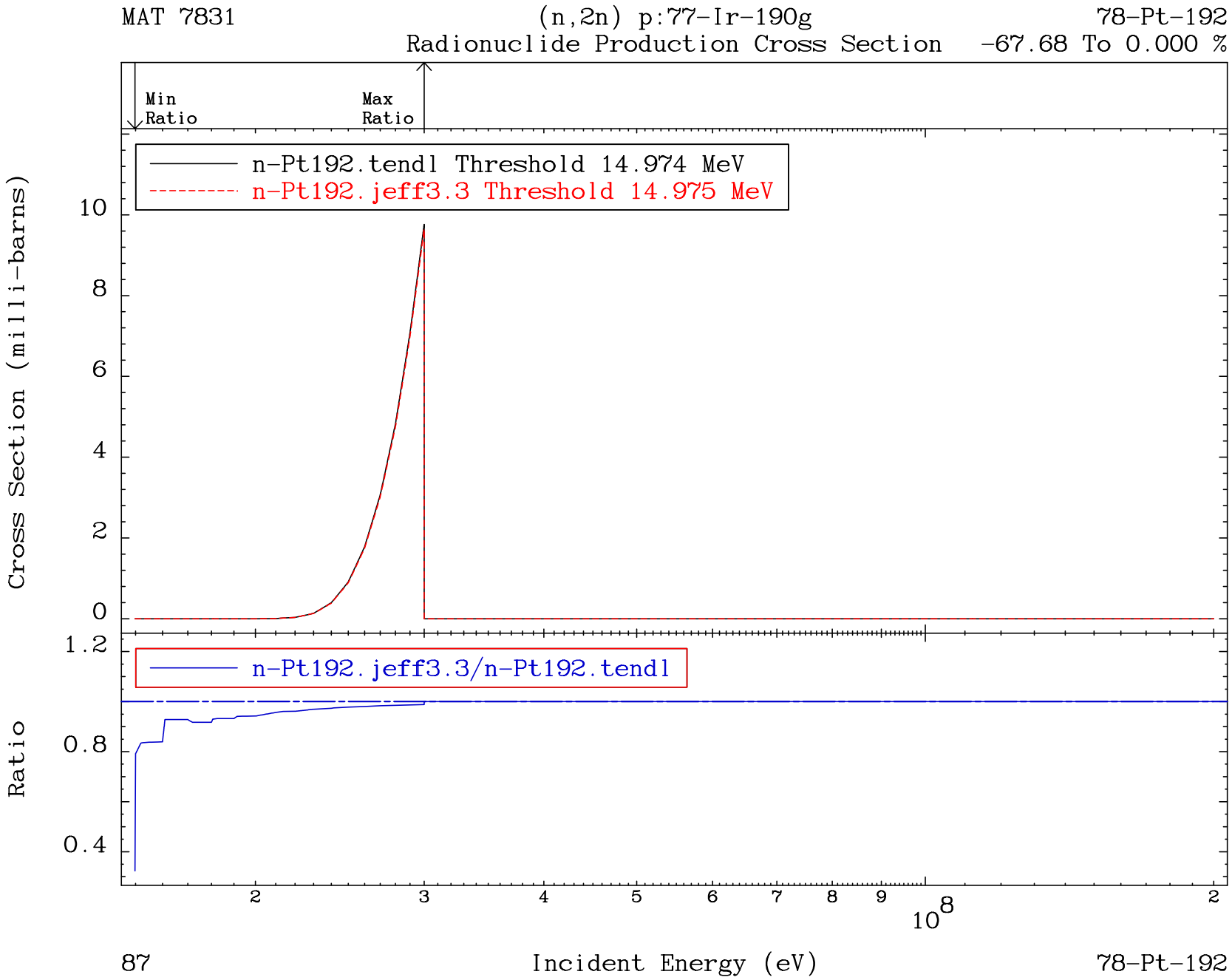

MAT 7831
(n,n') p:77-Ir-191m5
78-Pt-192
Radionuclide Production Cross Section
-8.646 To 0.022 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 10.000 MeV
n-Pt192.jeff3.3 Threshold 10.000 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
10^7
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
78-Pt-192

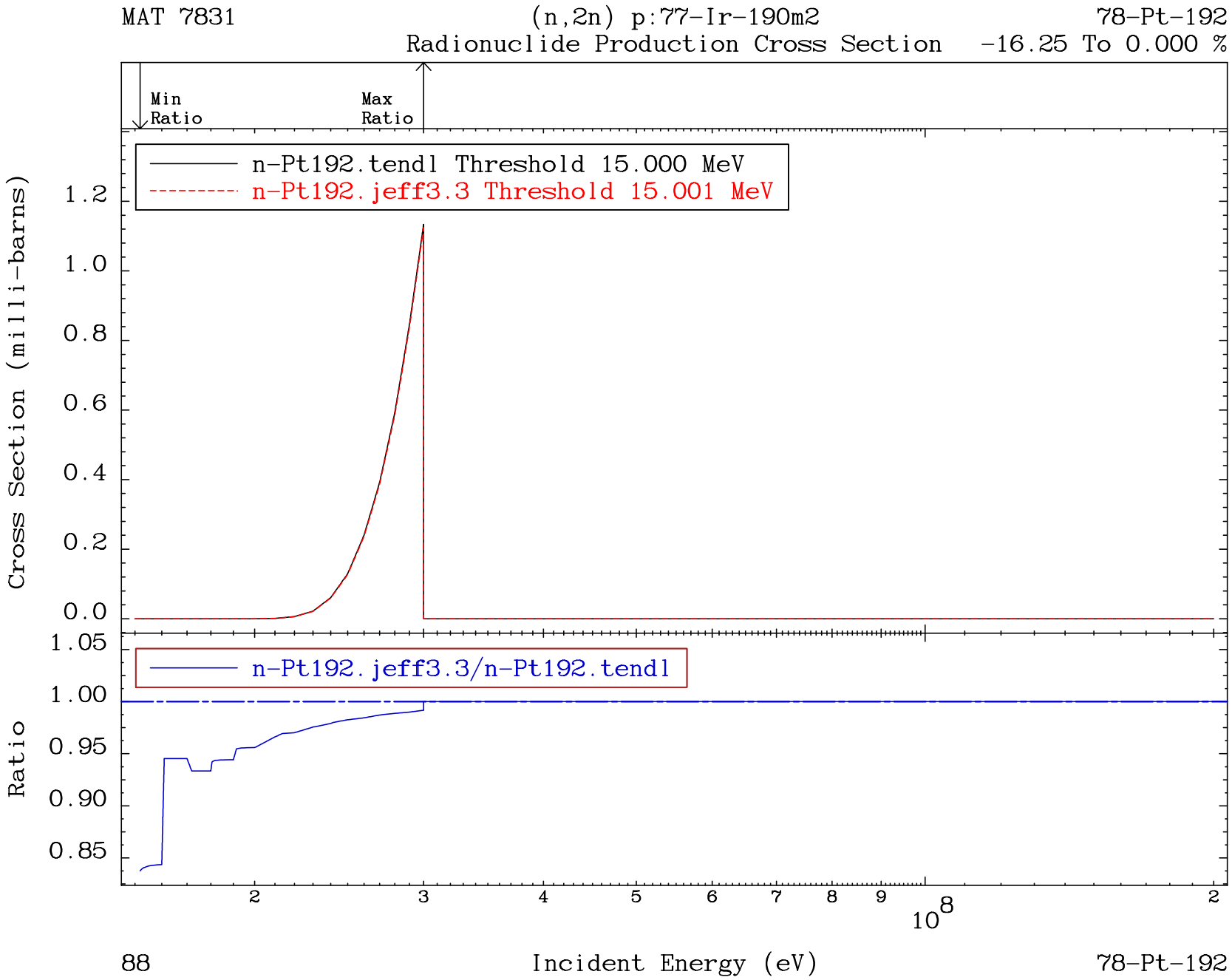

MAT 7831
(n,n') d:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section -17.58 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.737 MeV
n-Pt192.jeff3.3 Threshold 12.739 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
78-Pt-192

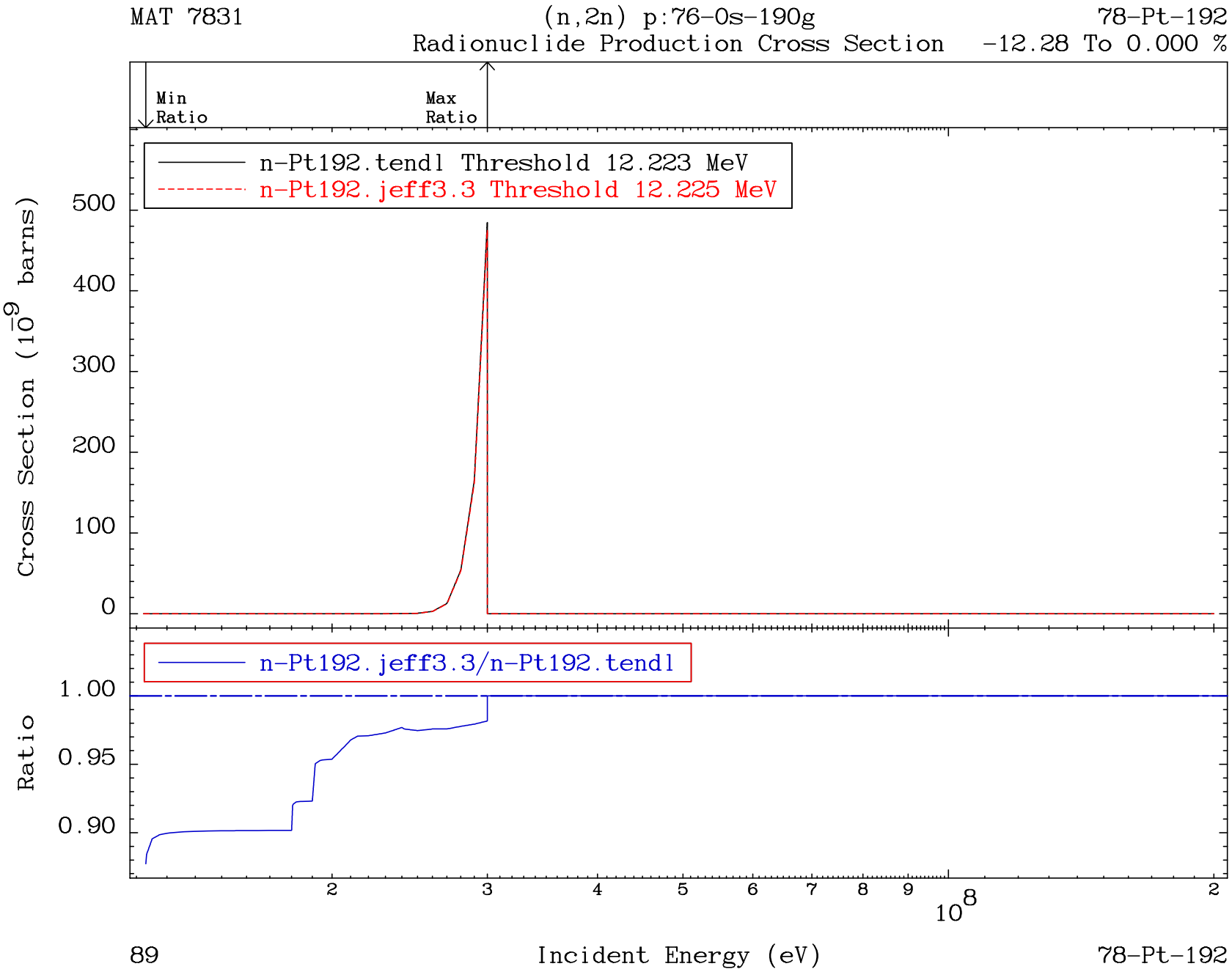

MAT 7831
(n,n') d:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section -13.46 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.763 MeV
n-Pt192.jeff3.3 Threshold 12.765 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
78-Pt-192

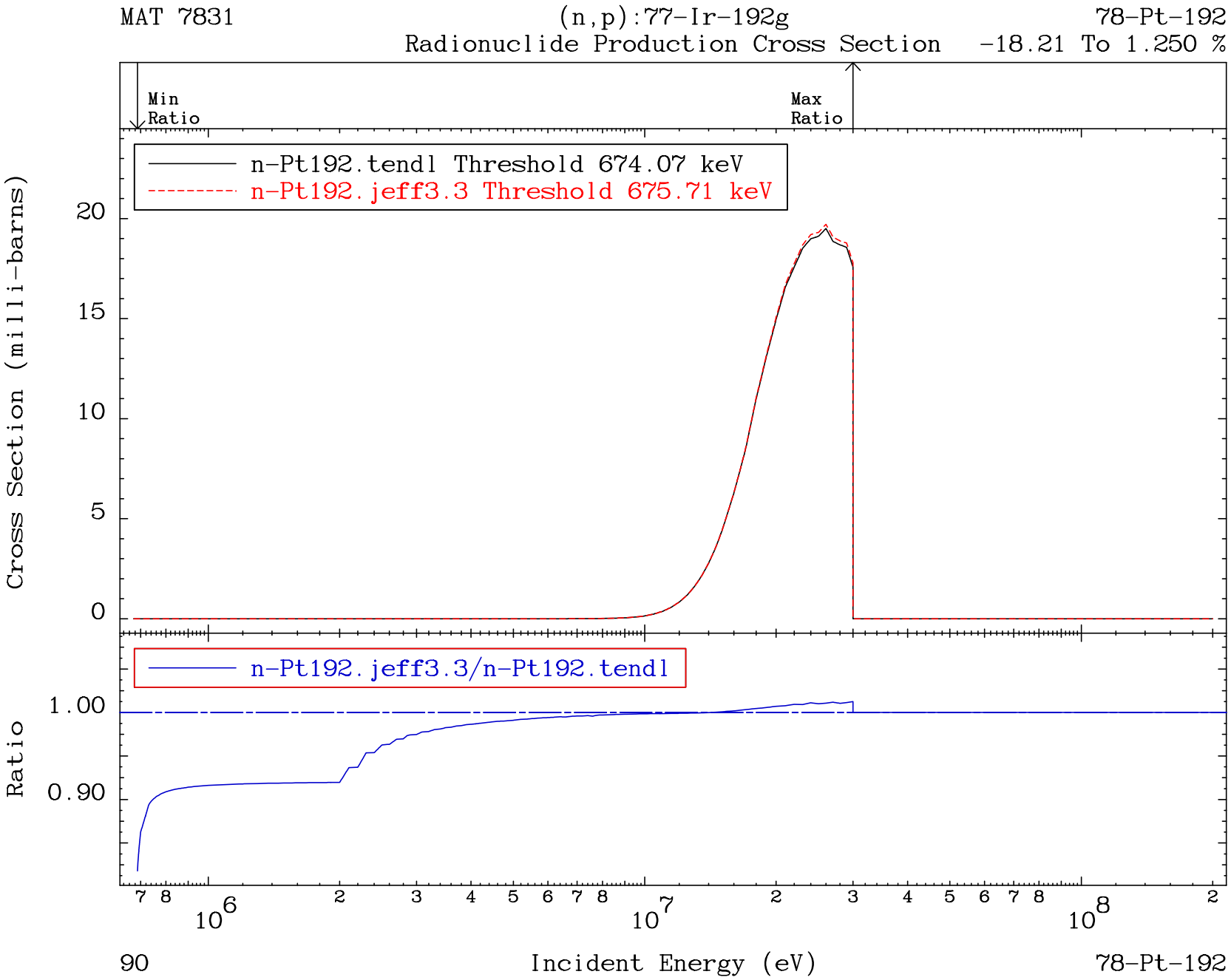

MAT 7831
(n,n') He-3:76-0s-189g
78-Pt-192
Radionuclide Production Cross Section -10.88 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.297 MeV
n-Pt192.jeff3.3 Threshold 12.299 MeV
Cross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
78-Pt-192

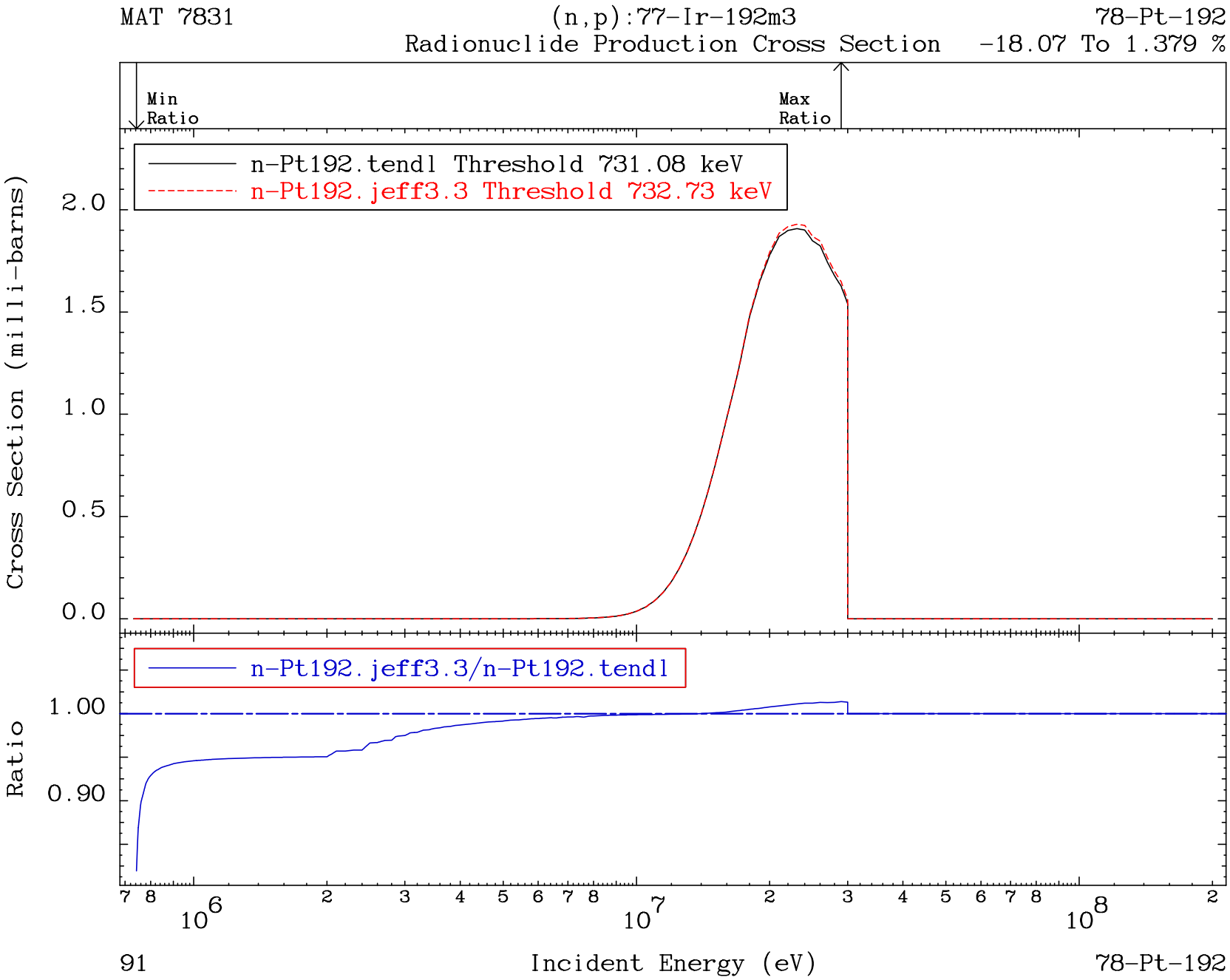

MAT 7831
(n,n') He-3:76-0s-189m1
78-Pt-192
Radionuclide Production Cross Section
-7.572 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.328 MeV
n-Pt192.jeff3.3 Threshold 12.330 MeV
Cross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
78-Pt-192

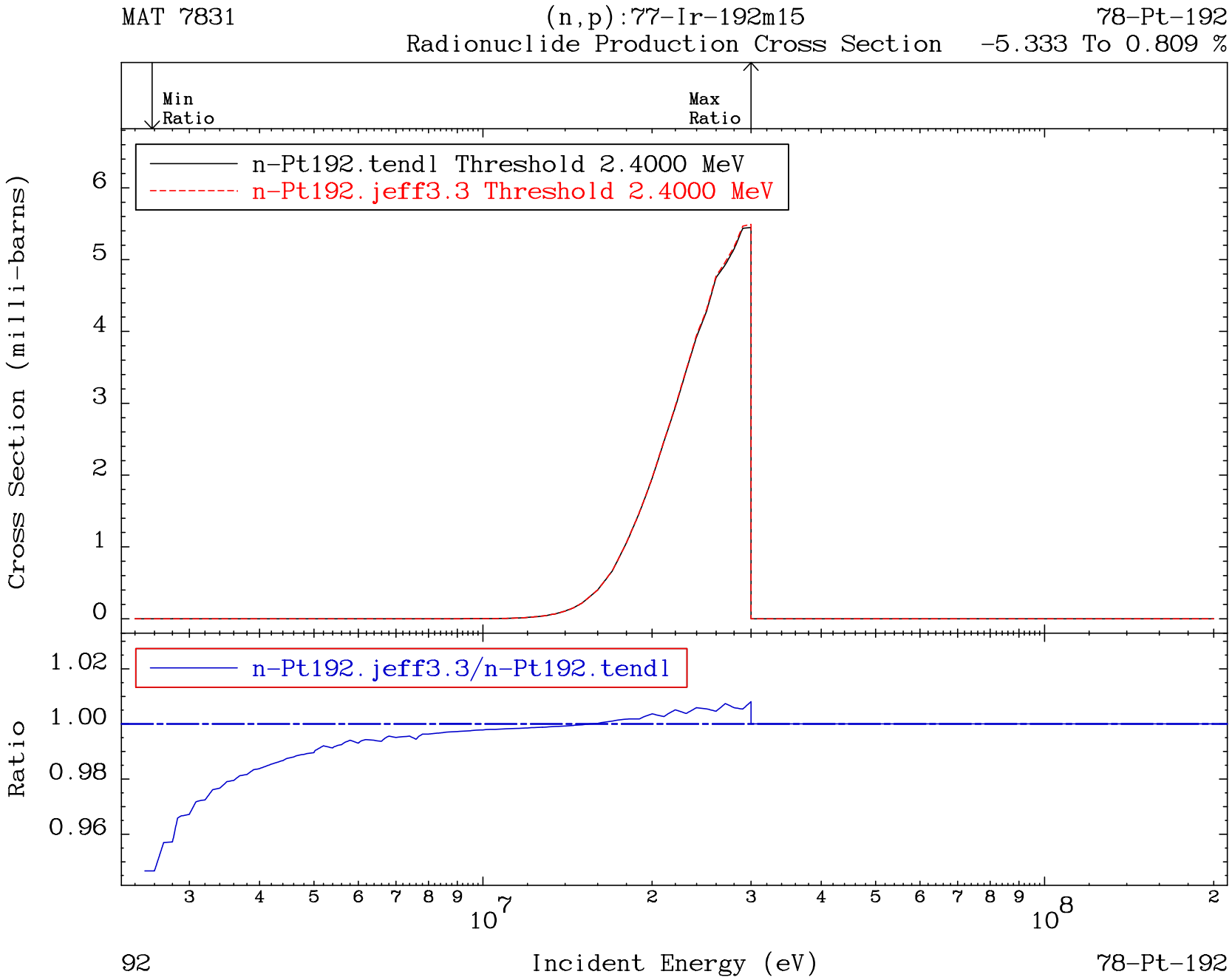

MAT 7831
(n,2n) p:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section
-67.68 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 14.974 MeV
n-Pt192.jeff3.3 Threshold 14.975 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
78-Pt-192

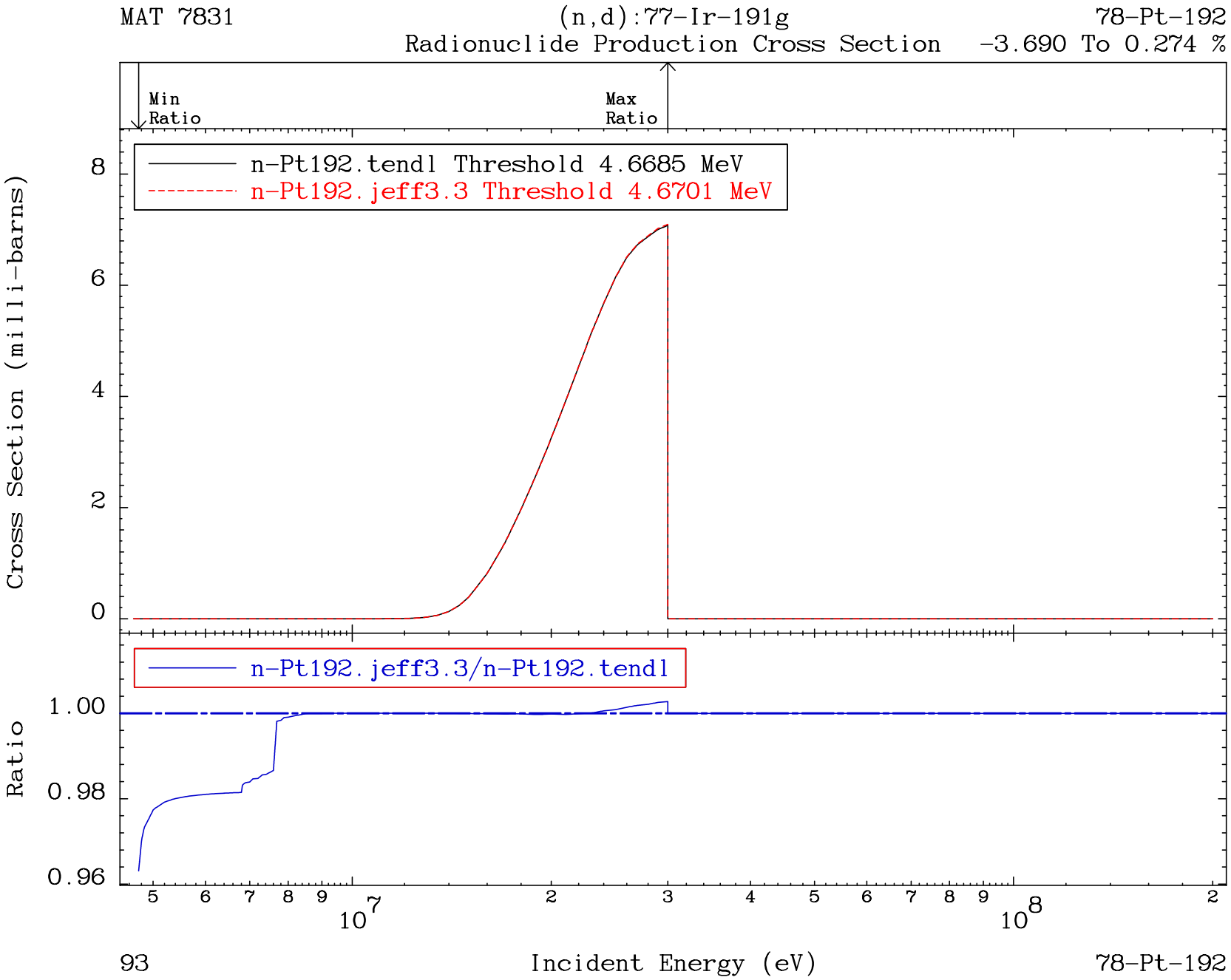

MAT 7831
(n,2n) p:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section -16.25 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 15.000 MeV
n-Pt192.jeff3.3 Threshold 15.001 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.05
1.00
0.95
0.90
0.85
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
78-Pt-192

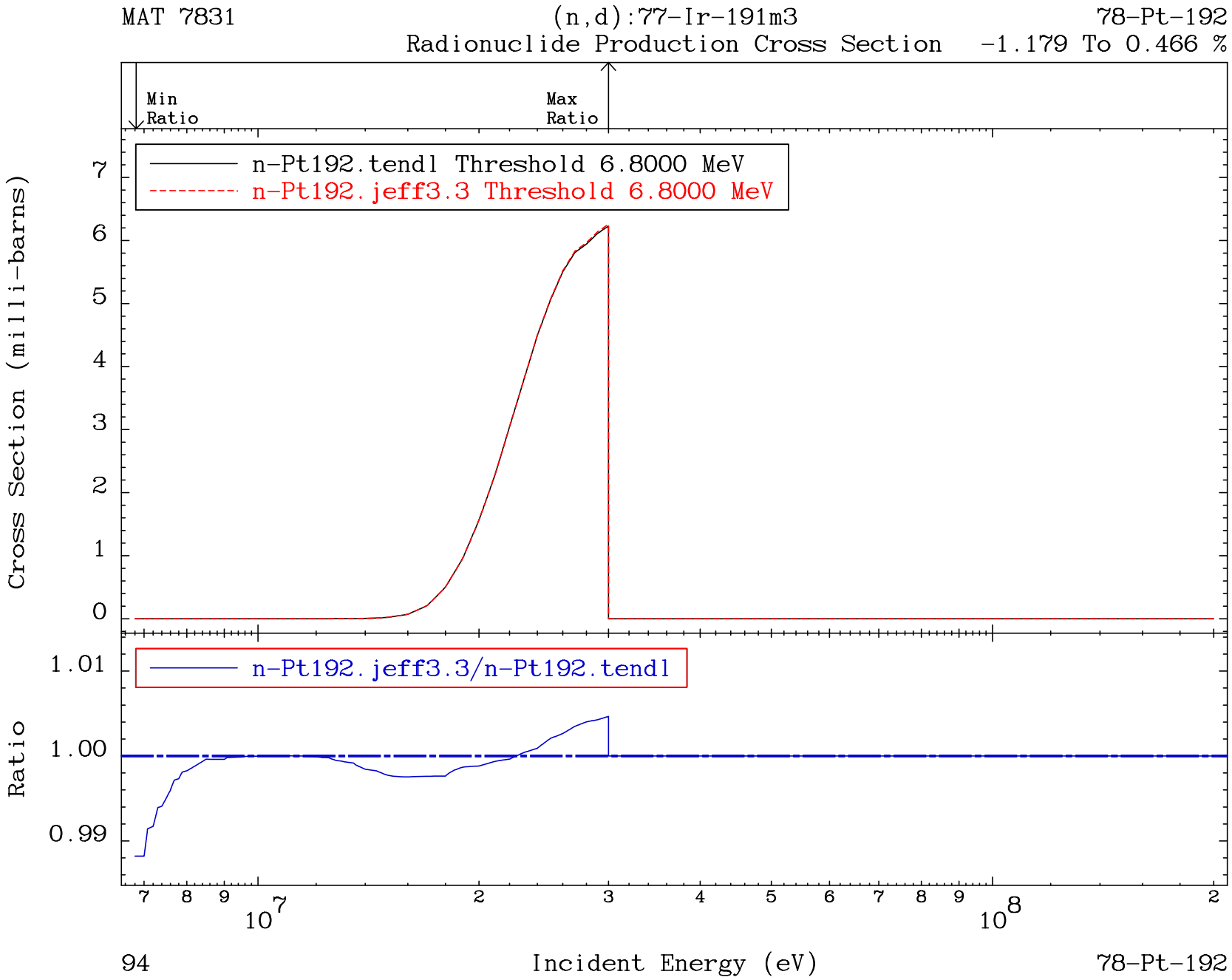

MAT 7831
(n,2n) p:76-0s-190g
78-Pt-192
Radionuclide Production Cross Section -12.28 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 12.223 MeV
n-Pt192.jeff3.3 Threshold 12.225 MeV
Cross Section (10^{-9} barns)
500
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
78-Pt-192

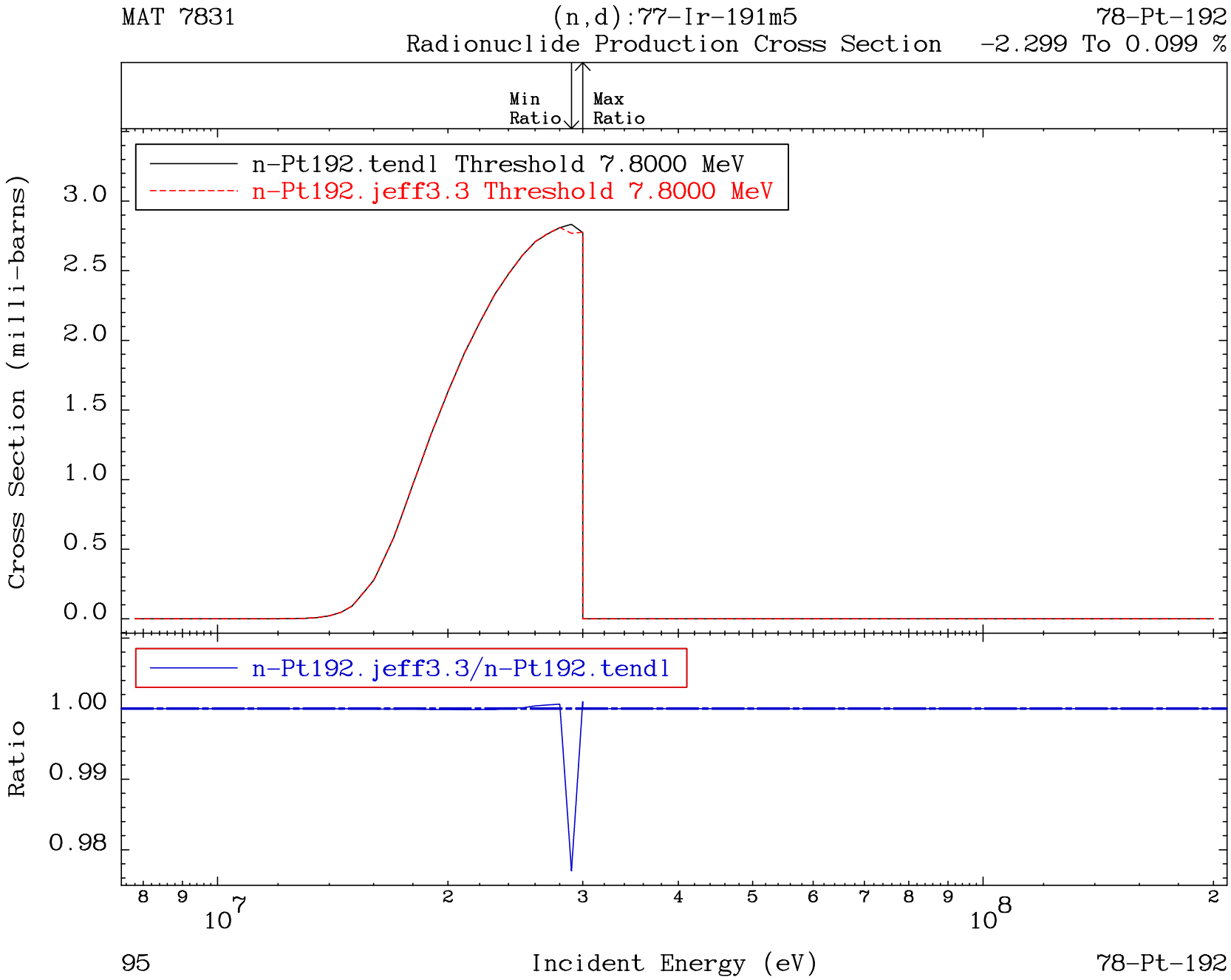

MAT 7831
(n,p):77-Ir-192g
78-Pt-192
Radionuclide Production Cross Section -18.21 To 1.250 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 674.07 keV
n-Pt192.jeff3.3 Threshold 675.71 keV
Cross Section (milli-barns)
20
15
10
5
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
90
Incident Energy (eV)
78-Pt-192

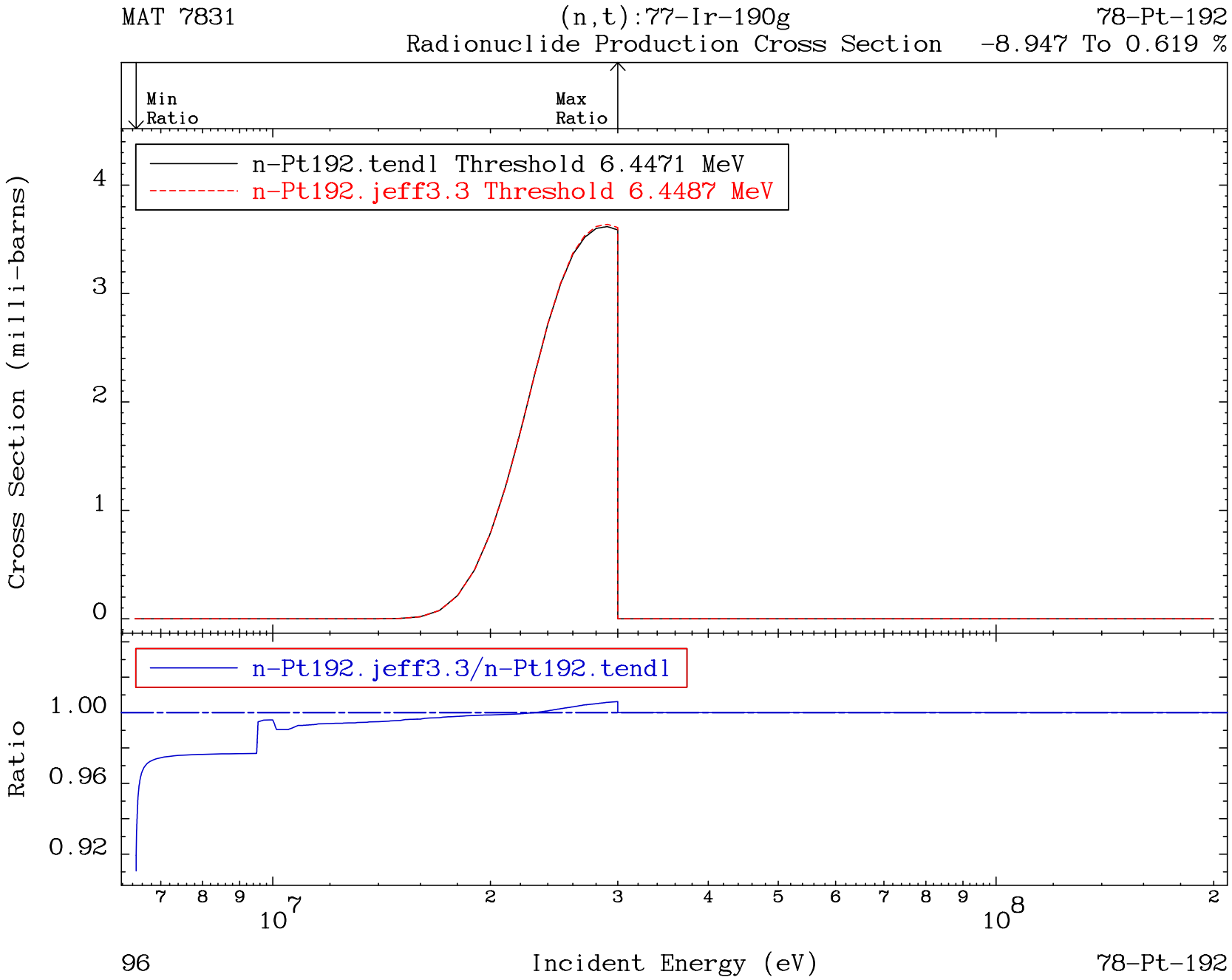

MAT 7831
(n,p):77-Ir-192m3
78-Pt-192
Radionuclide Production Cross Section -18.07 To 1.379 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 731.08 keV
n-Pt192.jeff3.3 Threshold 732.73 keV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
91
Incident Energy (eV)
78-Pt-192

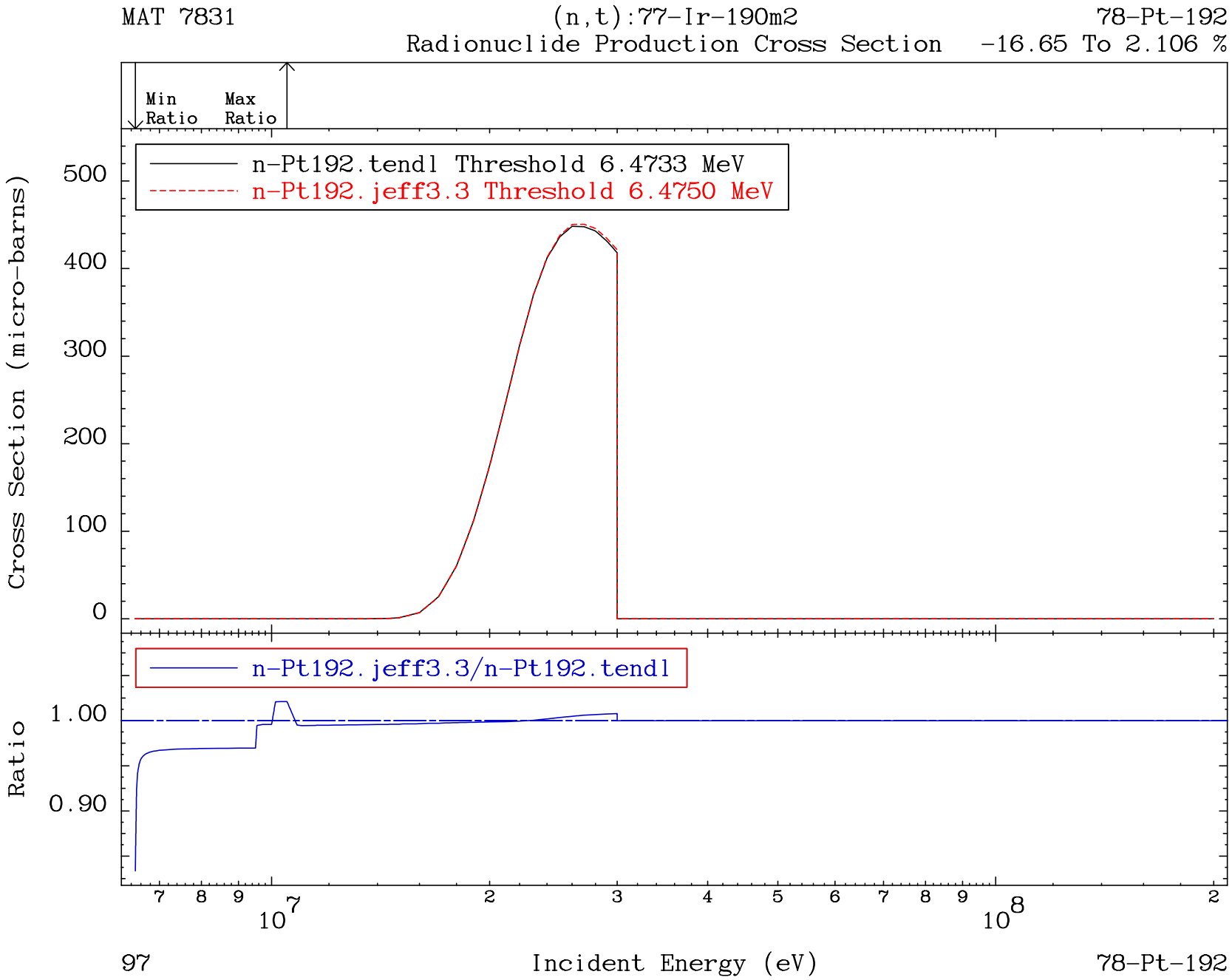

MAT 7831
(n,p):77-Ir-192m15
78-Pt-192
Radionuclide Production Cross Section -5.333 To 0.809 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 2.4000 MeV
n-Pt192.jeff3.3 Threshold 2.4000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.96
0.98
1.00
1.02
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
78-Pt-192

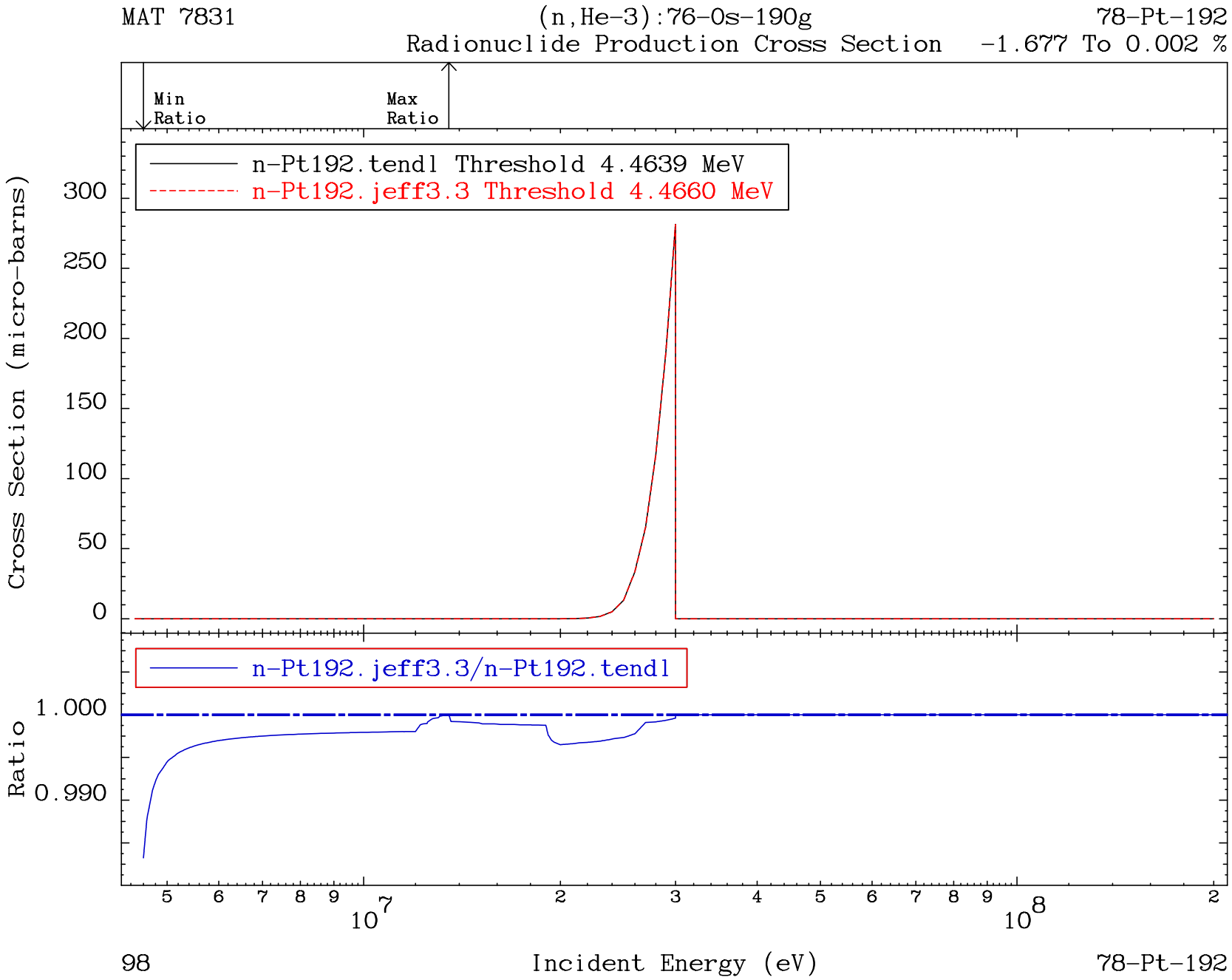

MAT 7831
(n,d):77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section -3.690 To 0.274 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 4.6685 MeV
n-Pt192.jeff3.3 Threshold 4.6701 MeV
Cross Section (milli-barns)
0
2
4
6
8
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.96
0.98
1.00
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
78-Pt-192

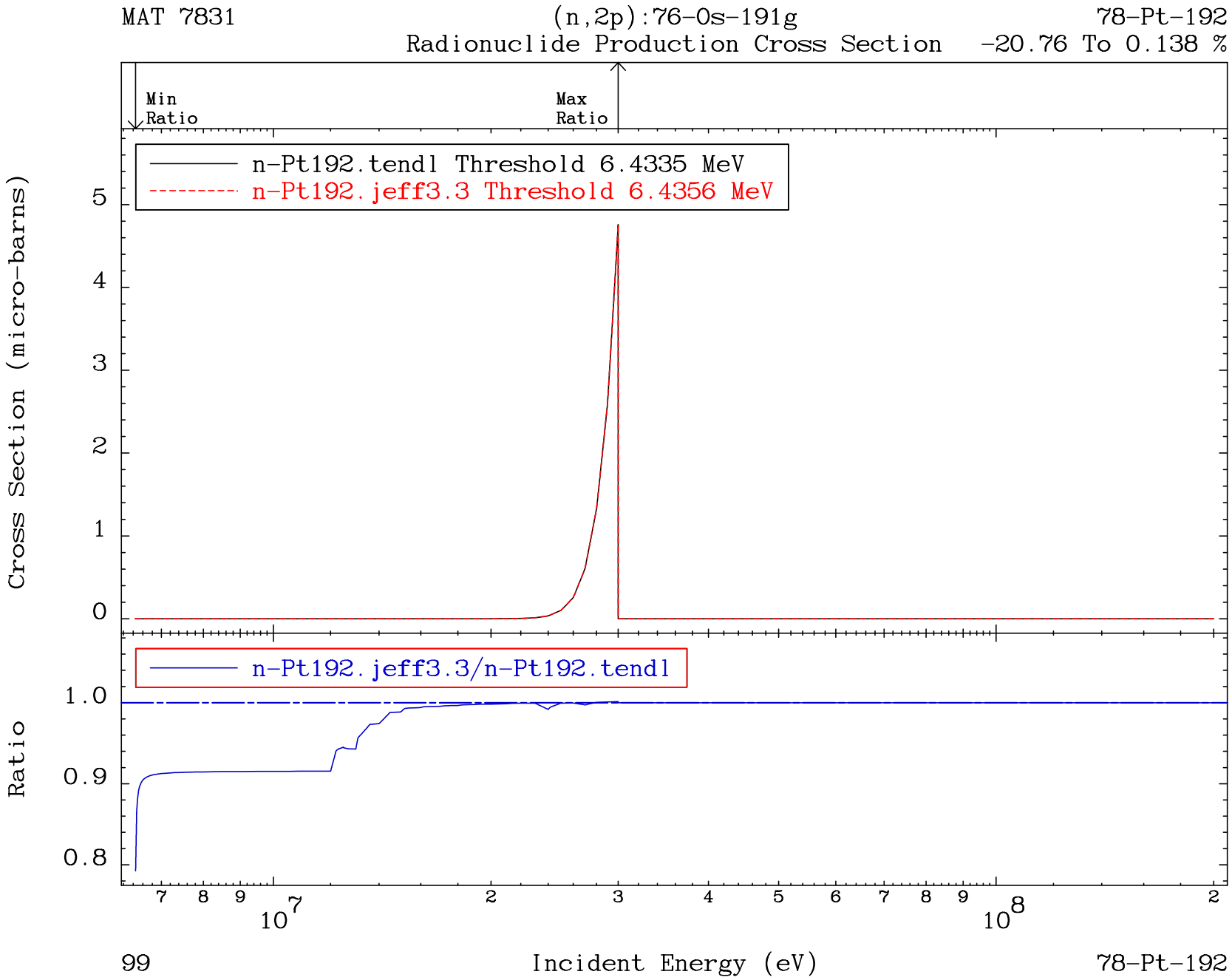

MAT 7831
(n,d):77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section -1.179 To 0.466 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.8000 MeV
n-Pt192.jeff3.3 Threshold 6.8000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.99
1.00
1.01
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
78-Pt-192

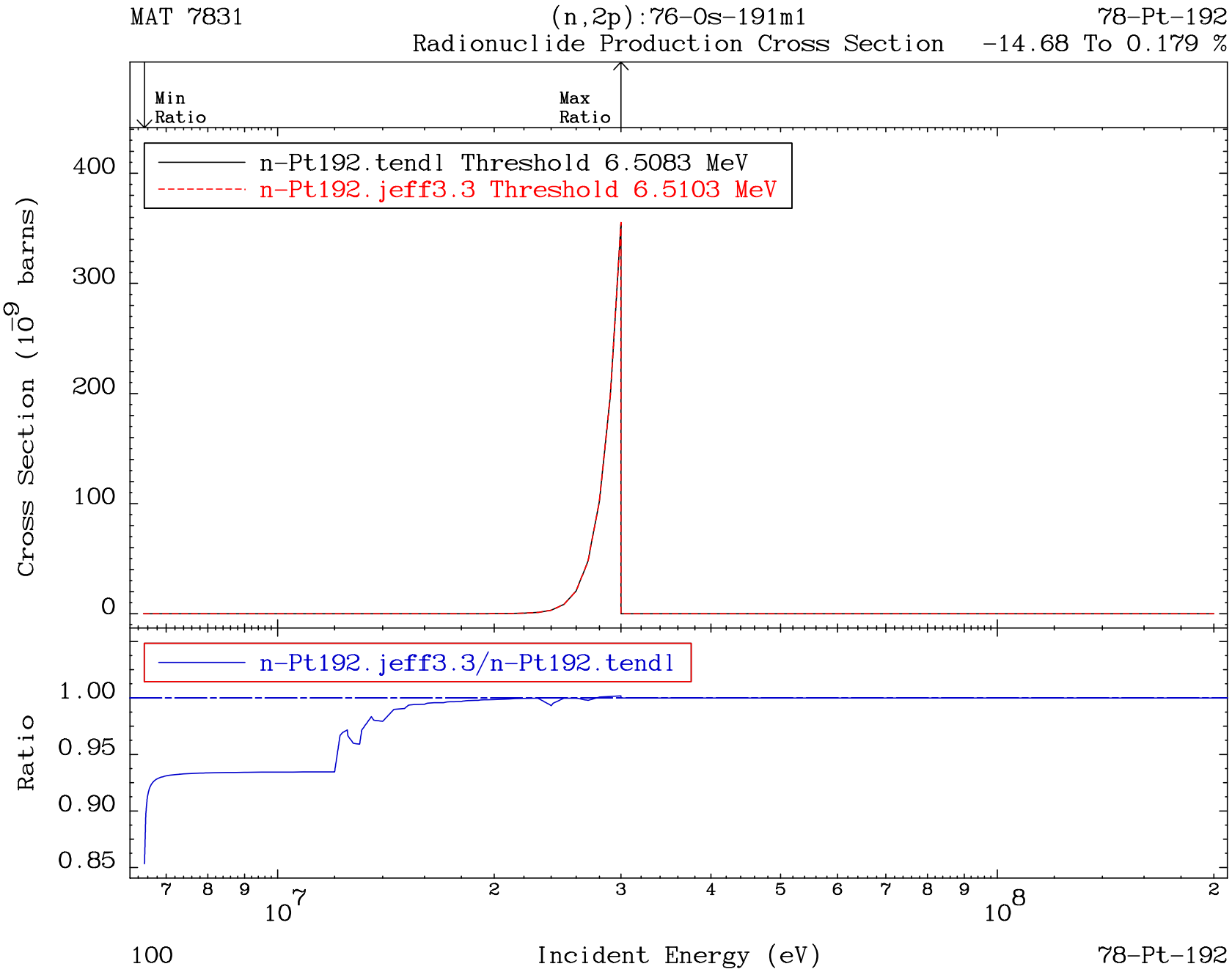

MAT 7831
(n,d):77-Ir-191m5
78-Pt-192
Radionuclide Production Cross Section -2.299 To 0.099 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 7.8000 MeV
n-Pt192.jeff3.3 Threshold 7.8000 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.99
0.98
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
95
Incident Energy (eV)
78-Pt-192

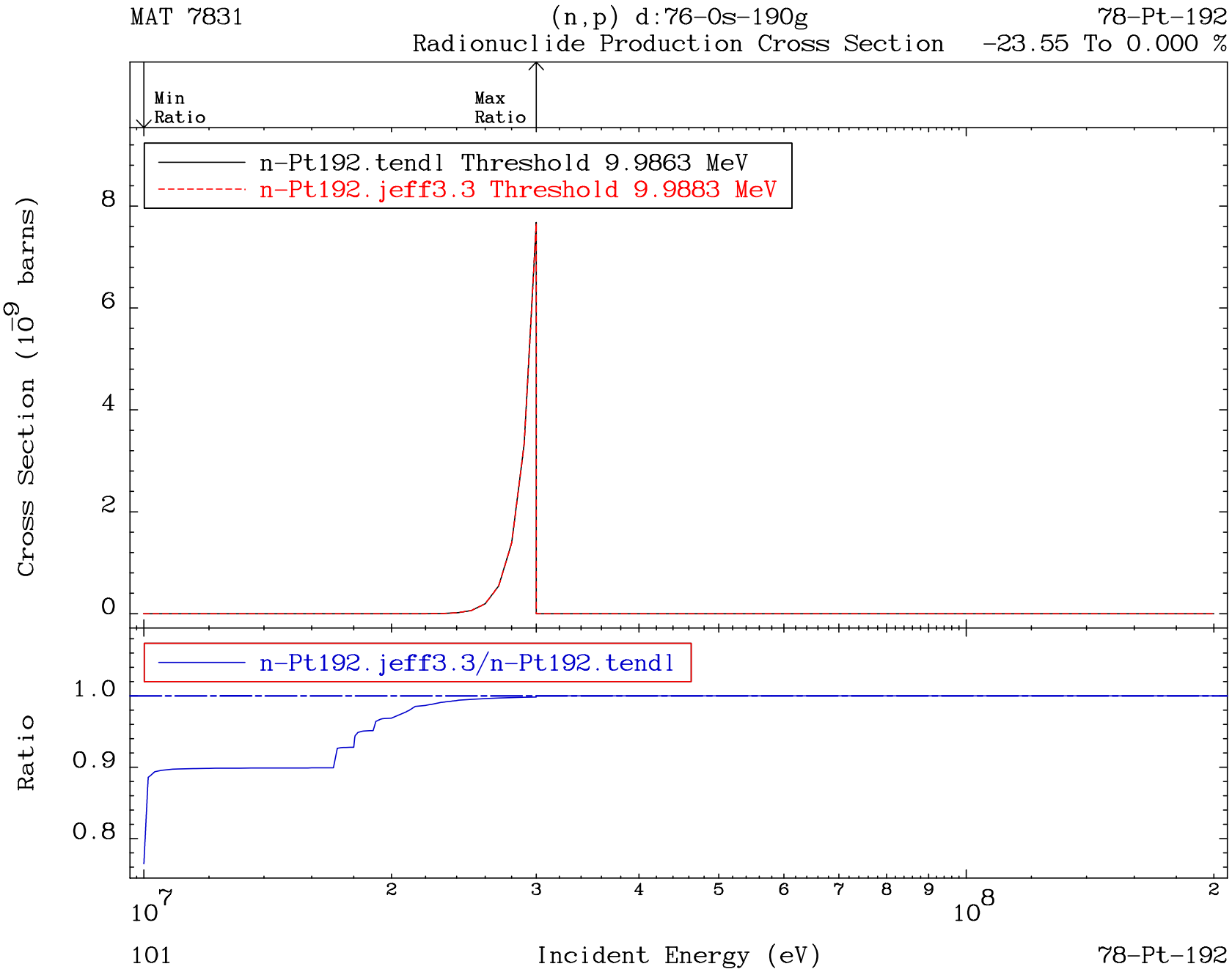

MAT 7831
(n,t):77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section
-8.947 To 0.619 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4471 MeV
n-Pt192.jeff3.3 Threshold 6.4487 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
96
Incident Energy (eV)
78-Pt-192

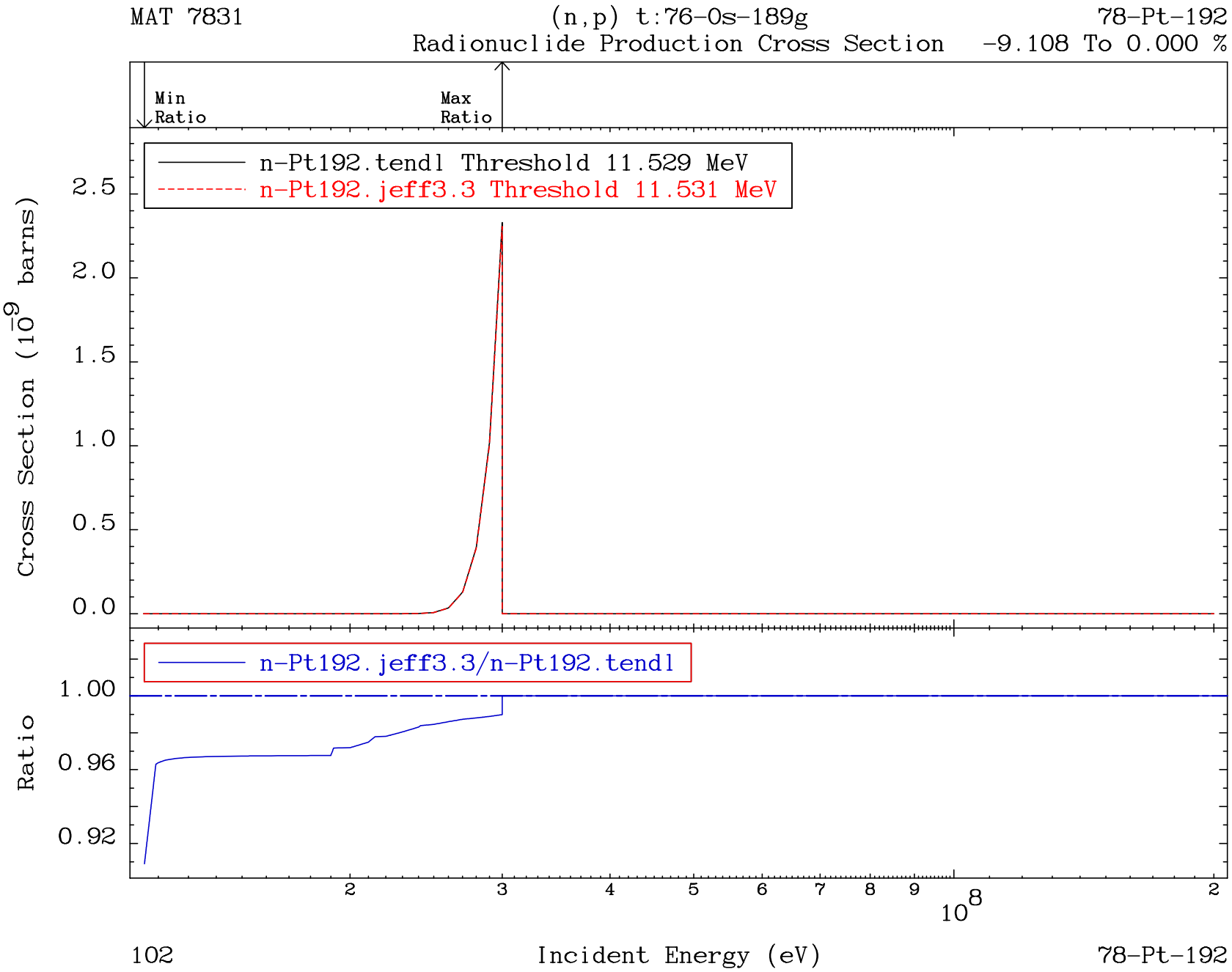

MAT 7831
(n,t):77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section -16.65 To 2.106 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4733 MeV
n-Pt192.jeff3.3 Threshold 6.4750 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.90
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
97
Incident Energy (eV)
78-Pt-192

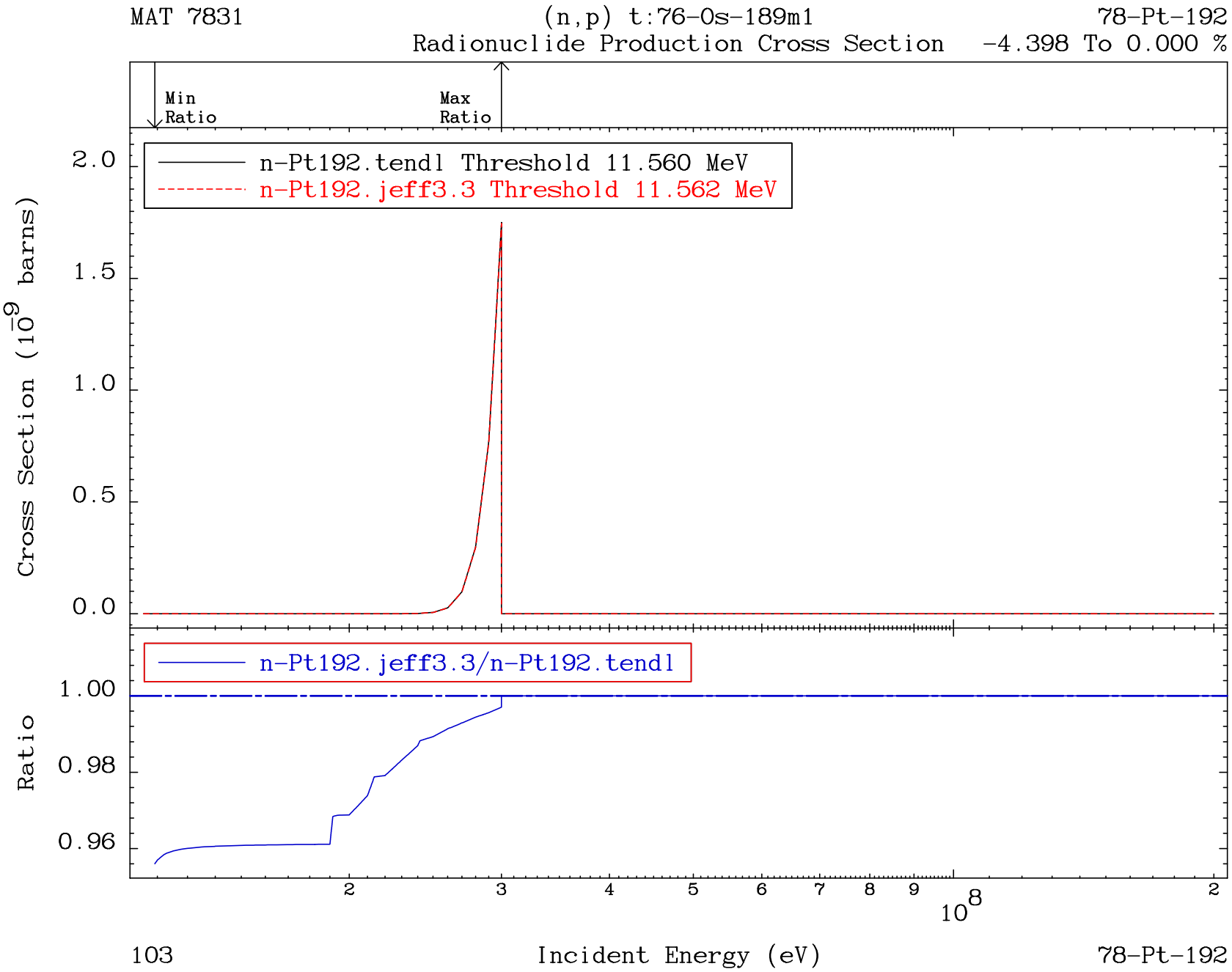

MAT 7831
(n,He-3):76-0s-190g
78-Pt-192
Radionuclide Production Cross Section -1.677 To 0.002 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 4.4639 MeV
n-Pt192.jeff3.3 Threshold 4.4660 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.000
0.990
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
98
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,2p):76-0s-191g
78-Pt-192
Radionuclide Production Cross Section -20.76 To 0.138 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.4335 MeV
n-Pt192.jeff3.3 Threshold 6.4356 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.8
0.9
1.0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
99
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,2p):76-Os-191m1
78-Pt-192
Radionuclide Production Cross Section -14.68 To 0.179 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 6.5083 MeV
n-Pt192.jeff3.3 Threshold 6.5103 MeV
Cross Section (10^{-9} barns)
400
300
200
100
0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.95
0.90
0.85
7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
100
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,p) d:76-0s-190g
78-Pt-192
Radionuclide Production Cross Section -23.55 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 9.9863 MeV
n-Pt192.jeff3.3 Threshold 9.9883 MeV
Cross Section (10^{-9} barns)
0
2
4
6
8
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
0.8
0.9
1.0
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
101
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,p) t:76-0s-189g
78-Pt-192
Radionuclide Production Cross Section
-9.108 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 11.529 MeV
n-Pt192.jeff3.3 Threshold 11.531 MeV
Cross Section (10^{-9} barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,p) t:76-0s-189m1
78-Pt-192
Radionuclide Production Cross Section -4.398 To 0.000 %
Min Ratio
Max Ratio
n-Pt192.tendl Threshold 11.560 MeV
n-Pt192.jeff3.3 Threshold 11.562 MeV
Cross Section (10^{-9} barns)
2.0
1.5
1.0
0.5
0.0
n-Pt192.jeff3.3/n-Pt192.tendl
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
103
Incident Energy (eV)
78-Pt-192