Program Complot
(Version 2018-1)
by
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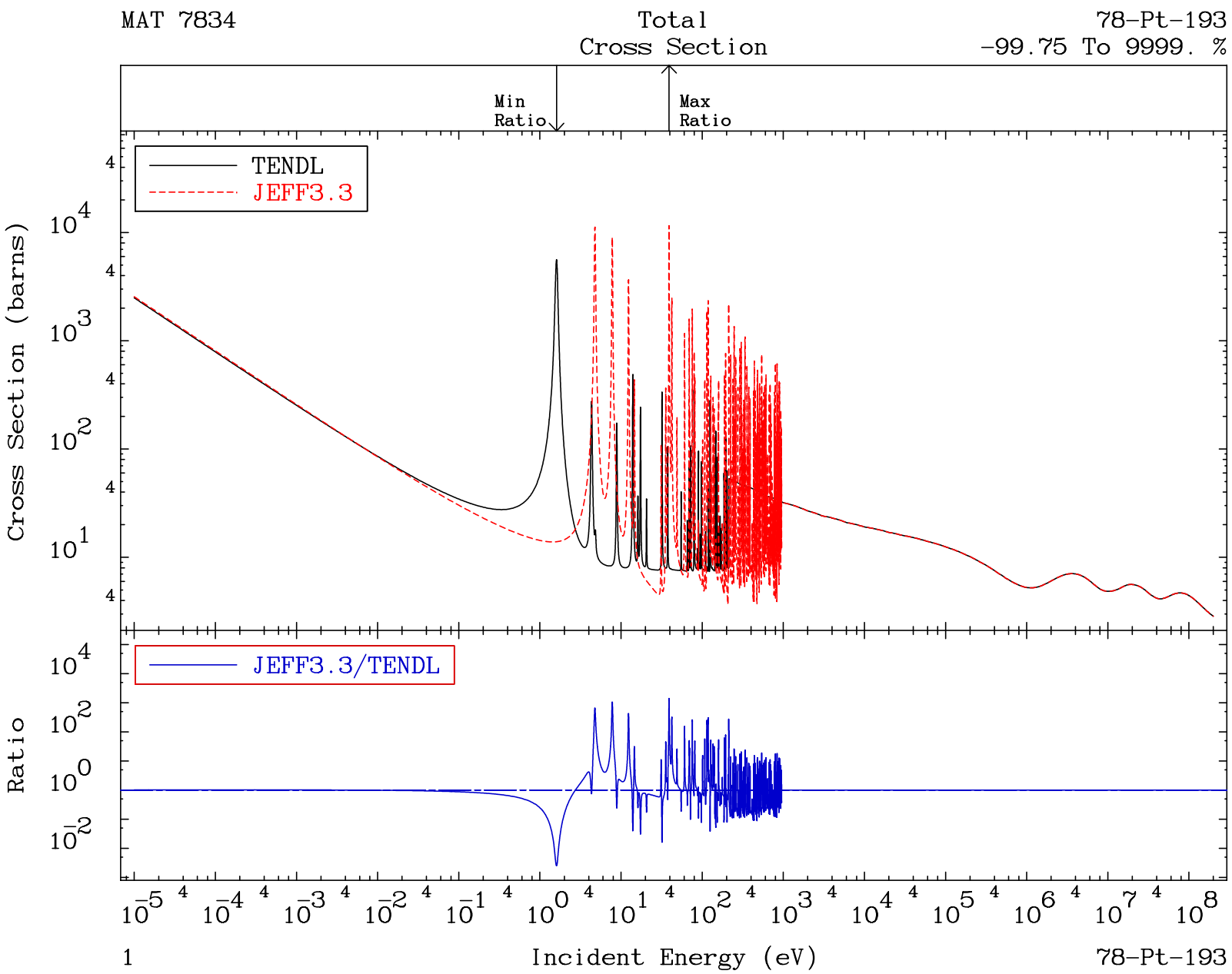
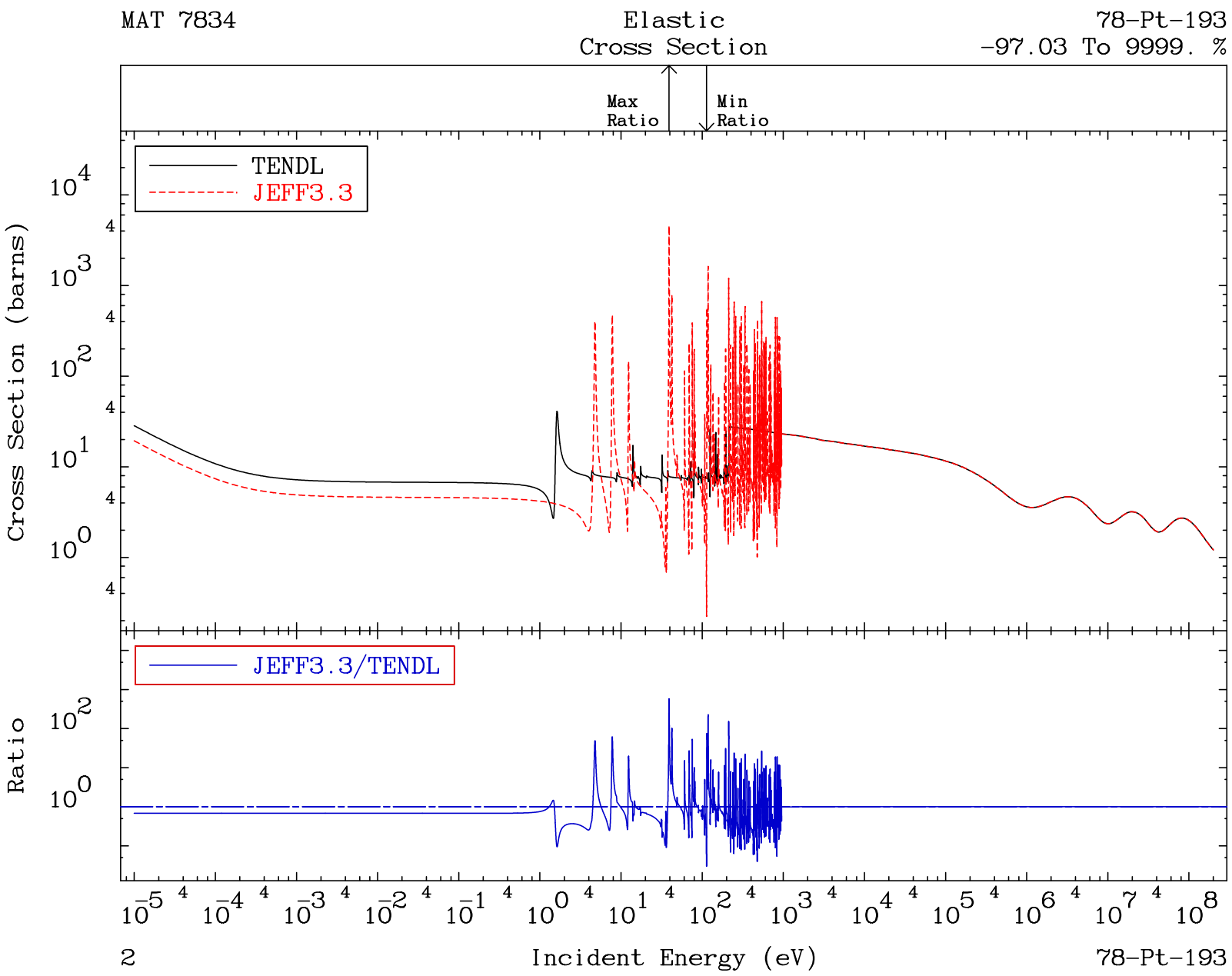
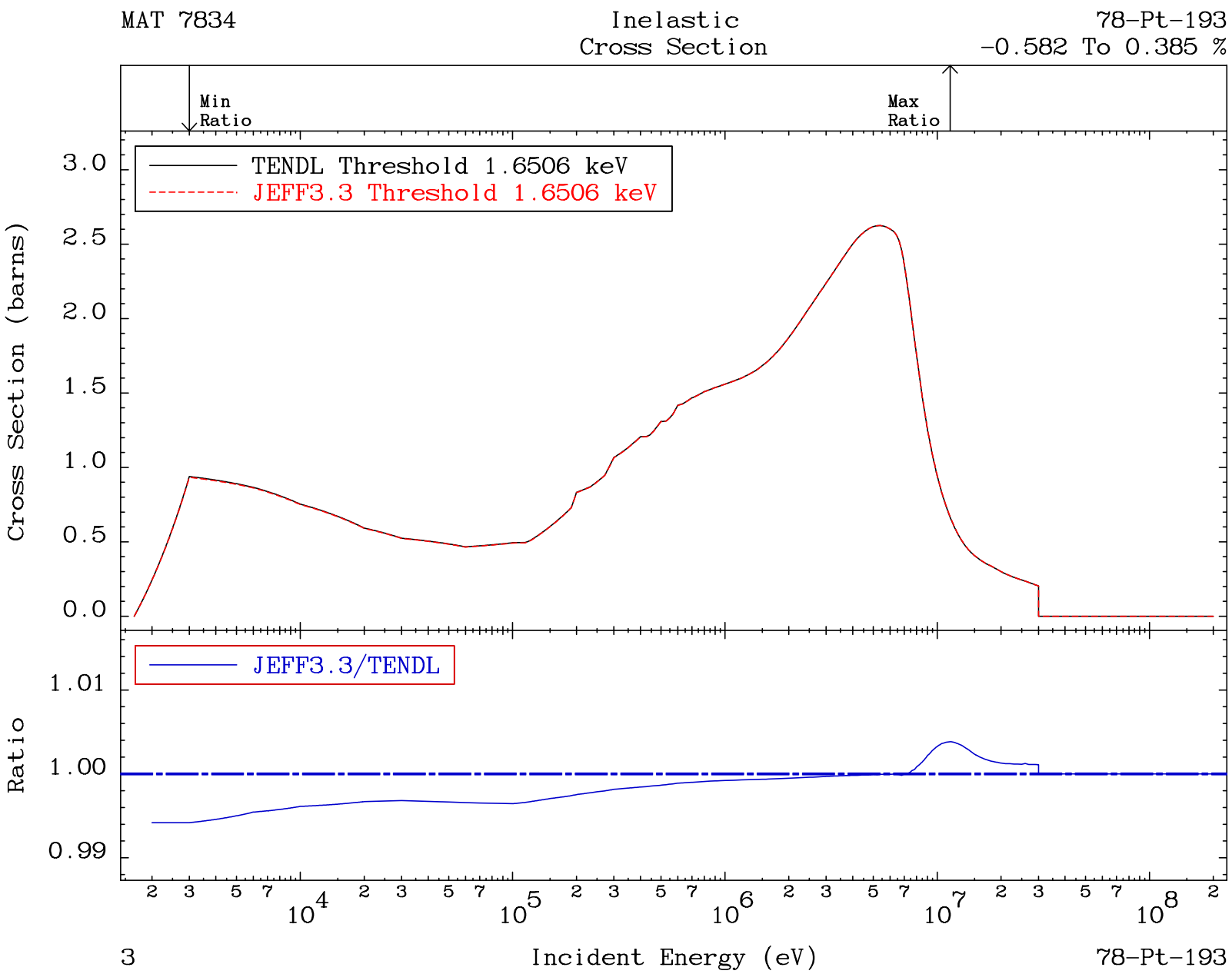
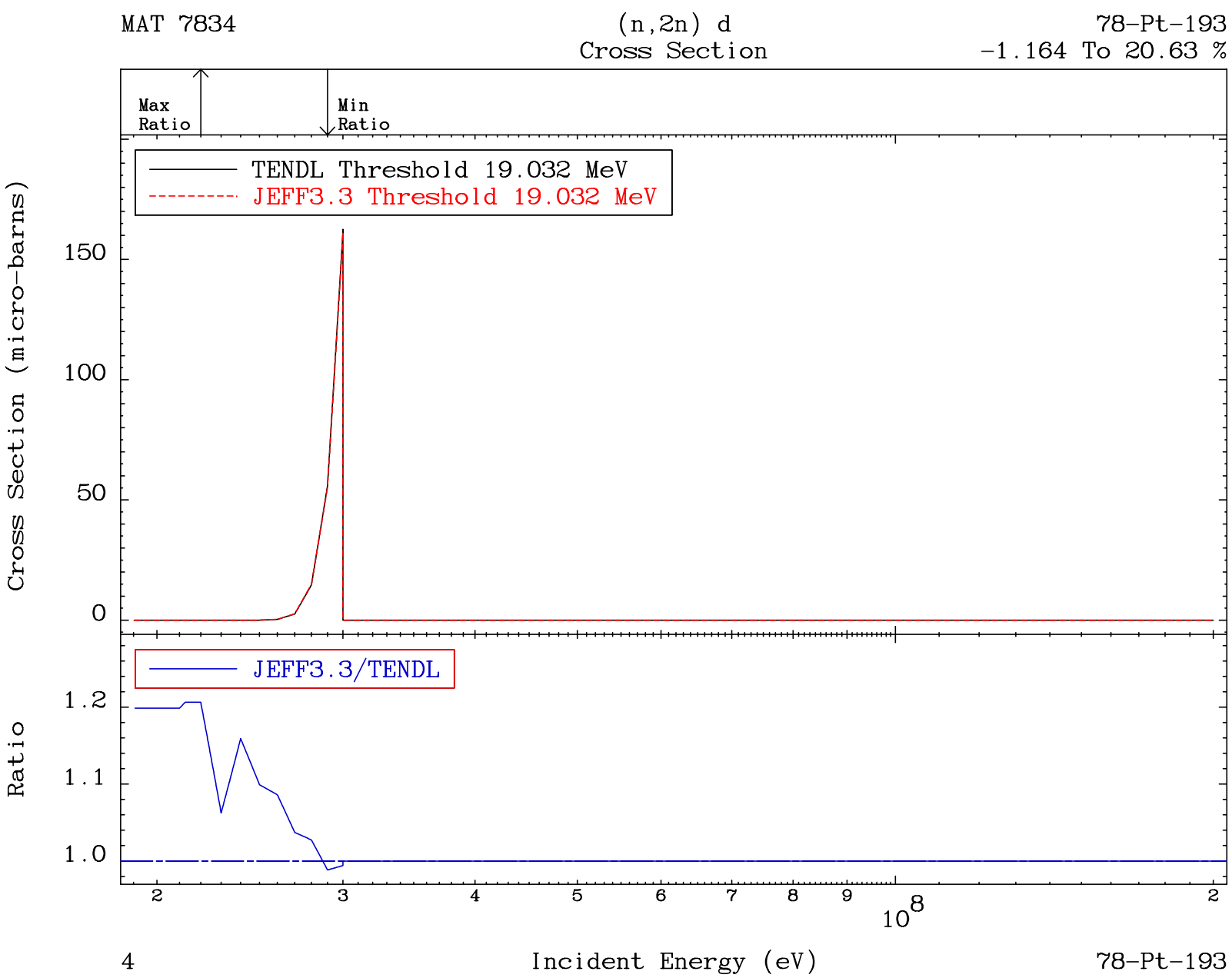
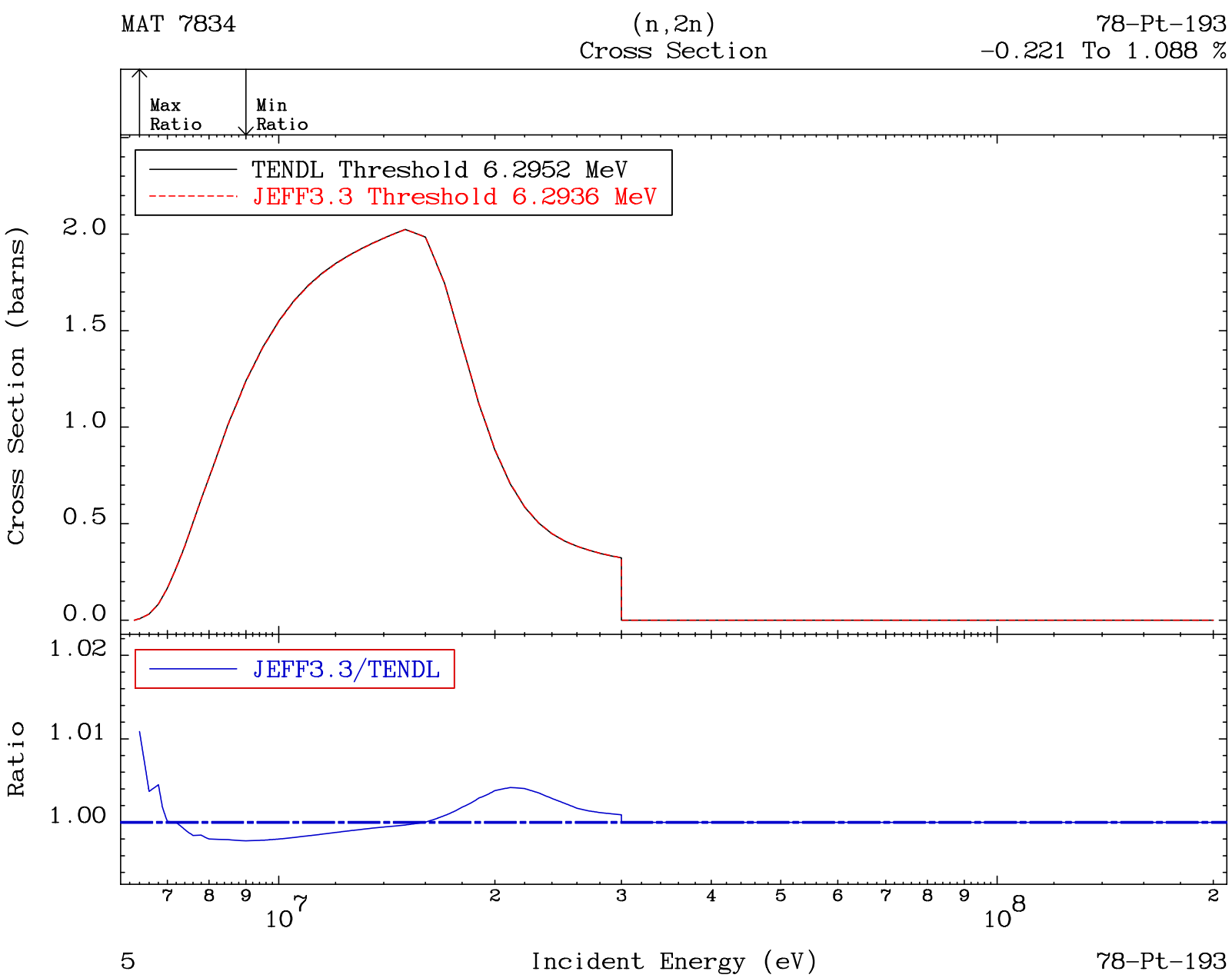
Press Mouse Button to Start

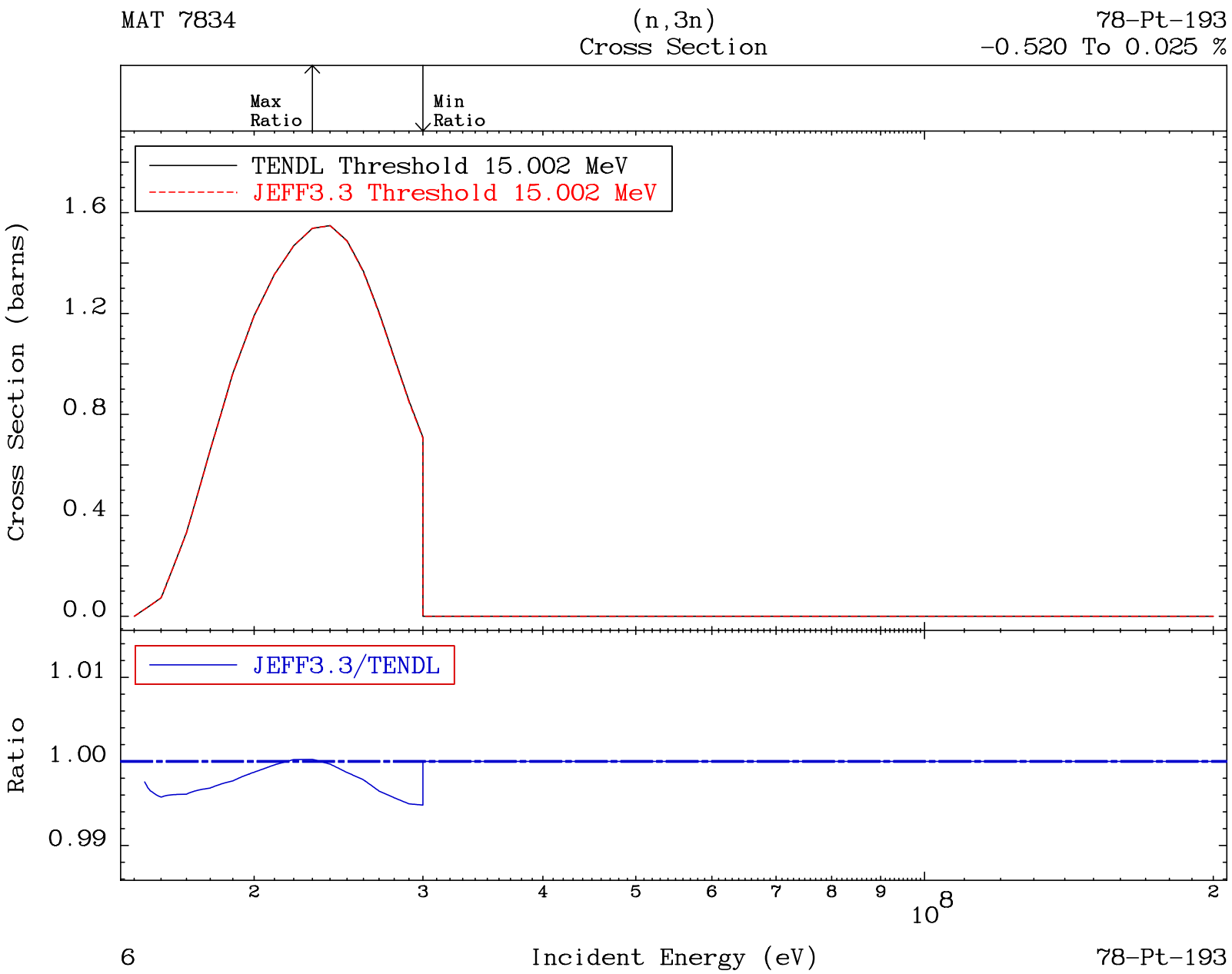

MAT 7834
Total
Cross Section
78-Pt-193
-99.75 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
78-Pt-193

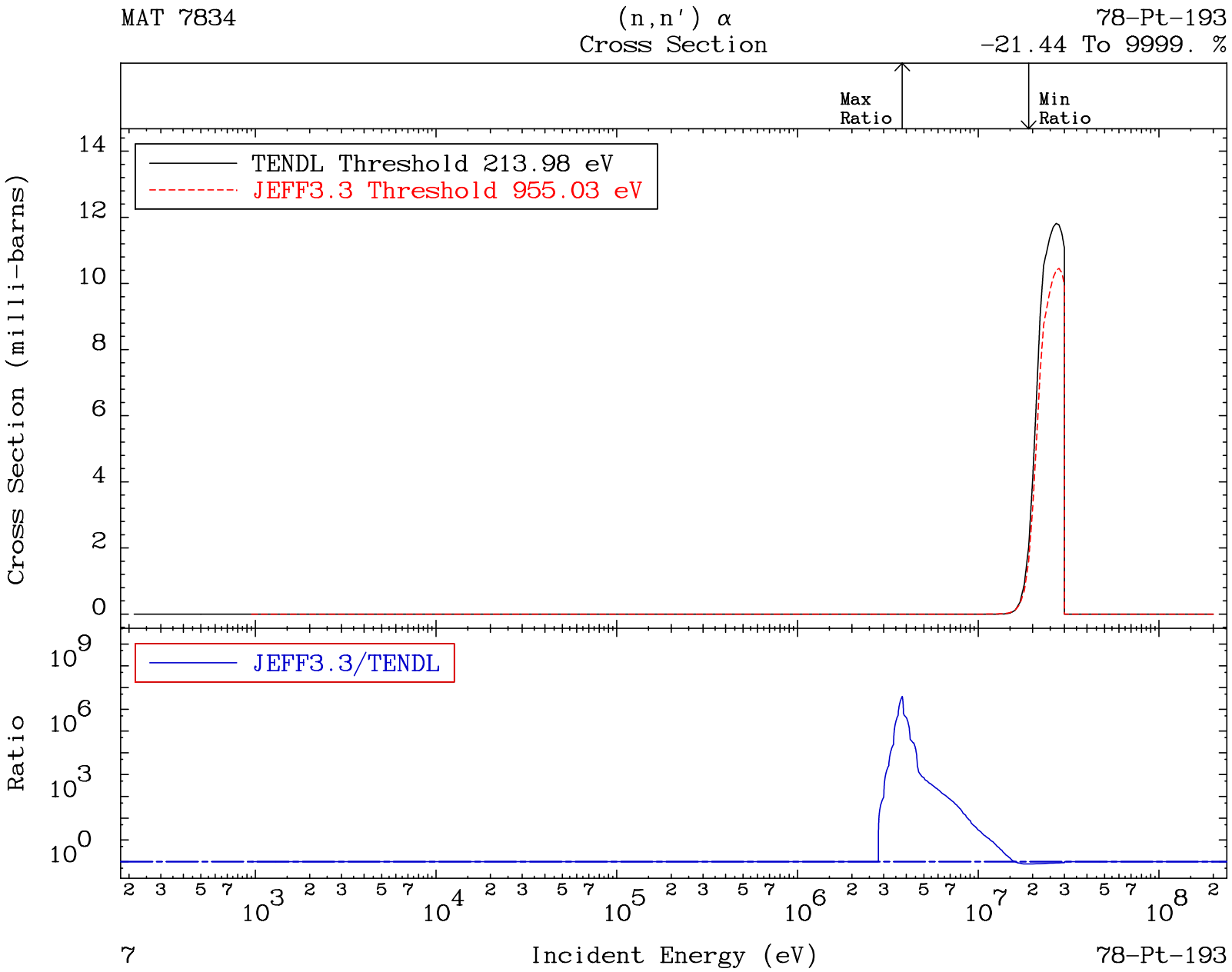

MAT 7834
Elastic
Cross Section
78-Pt-193
-97.03 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
78-Pt-193

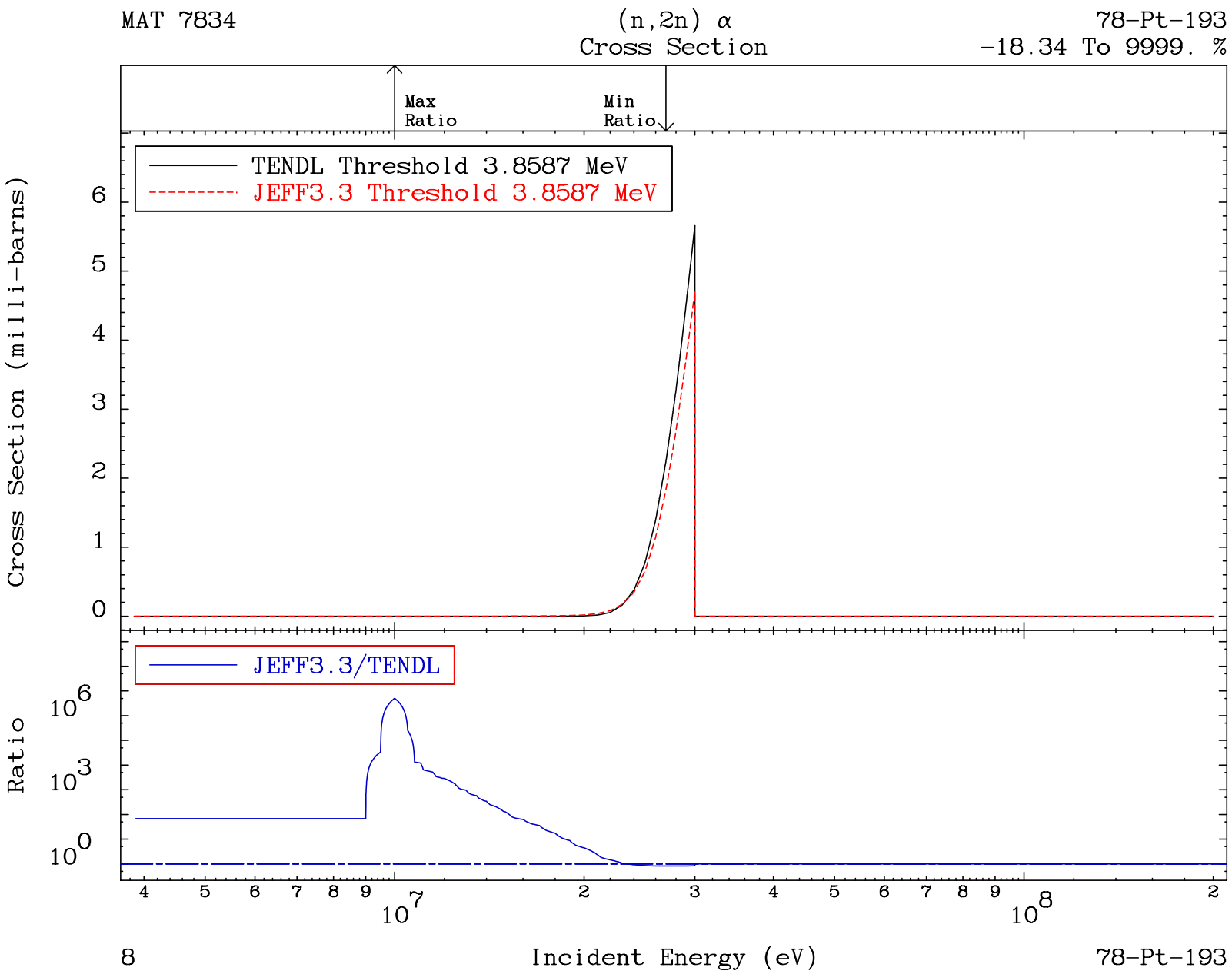

MAT 7834
Inelastic
Cross Section
78-Pt-193
-0.582 To 0.385 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6506 keV
JEFF3.3 Threshold 1.6506 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
3
Incident Energy (eV)
78-Pt-193

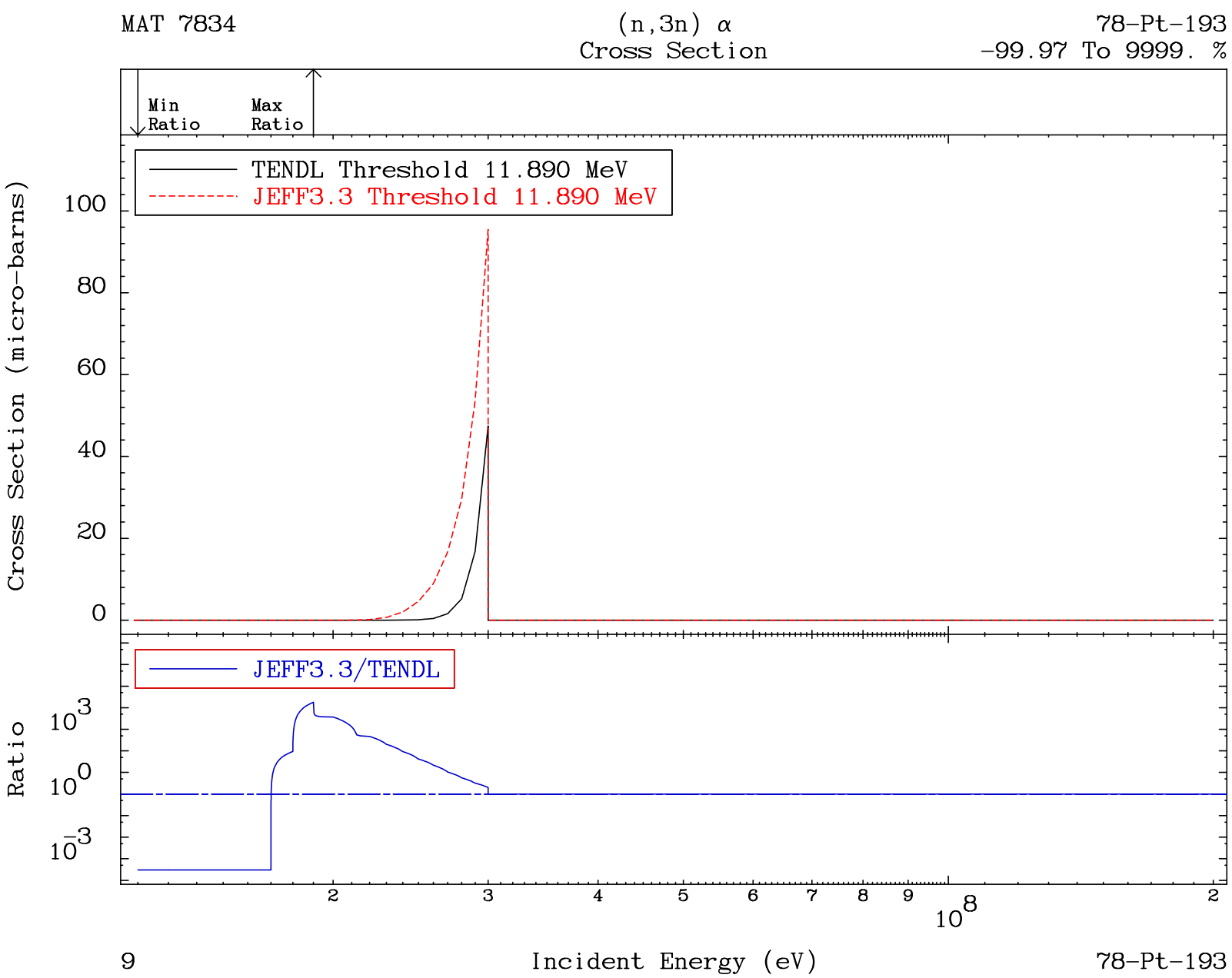

MAT 7834
(n,2n) d
Cross Section
78-Pt-193
-1.164 To 20.63 %
Max Ratio
Min Ratio
TENDL Threshold 19.032 MeV
JEFF3.3 Threshold 19.032 MeV
Cross Section (micro-barns)
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-193

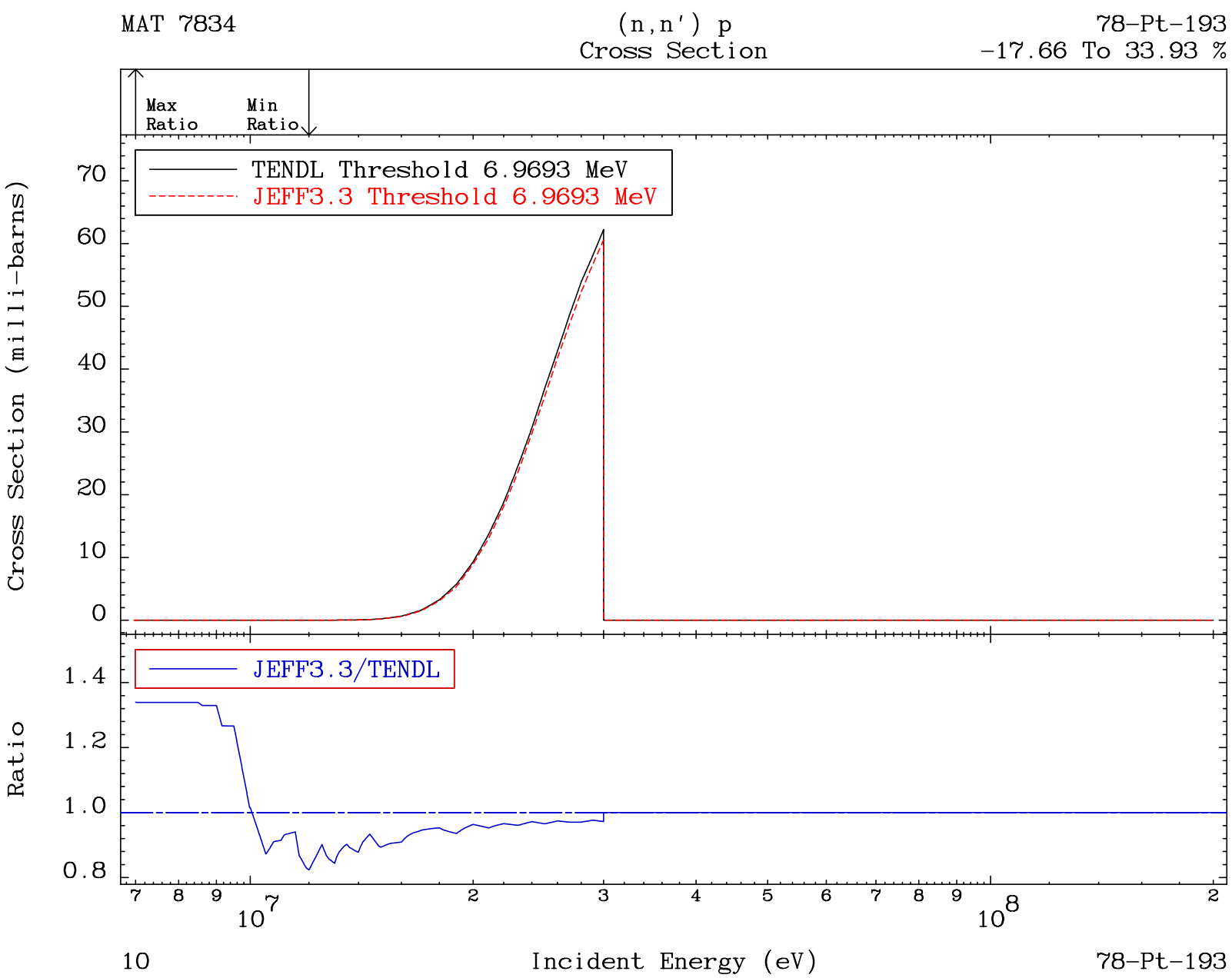

MAT 7834
(n,2n)
Cross Section
78-Pt-193
-0.221 To 1.088 %
Max Ratio
Min Ratio
TENDL Threshold 6.2952 MeV
JEFF3.3 Threshold 6.2936 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
78-Pt-193

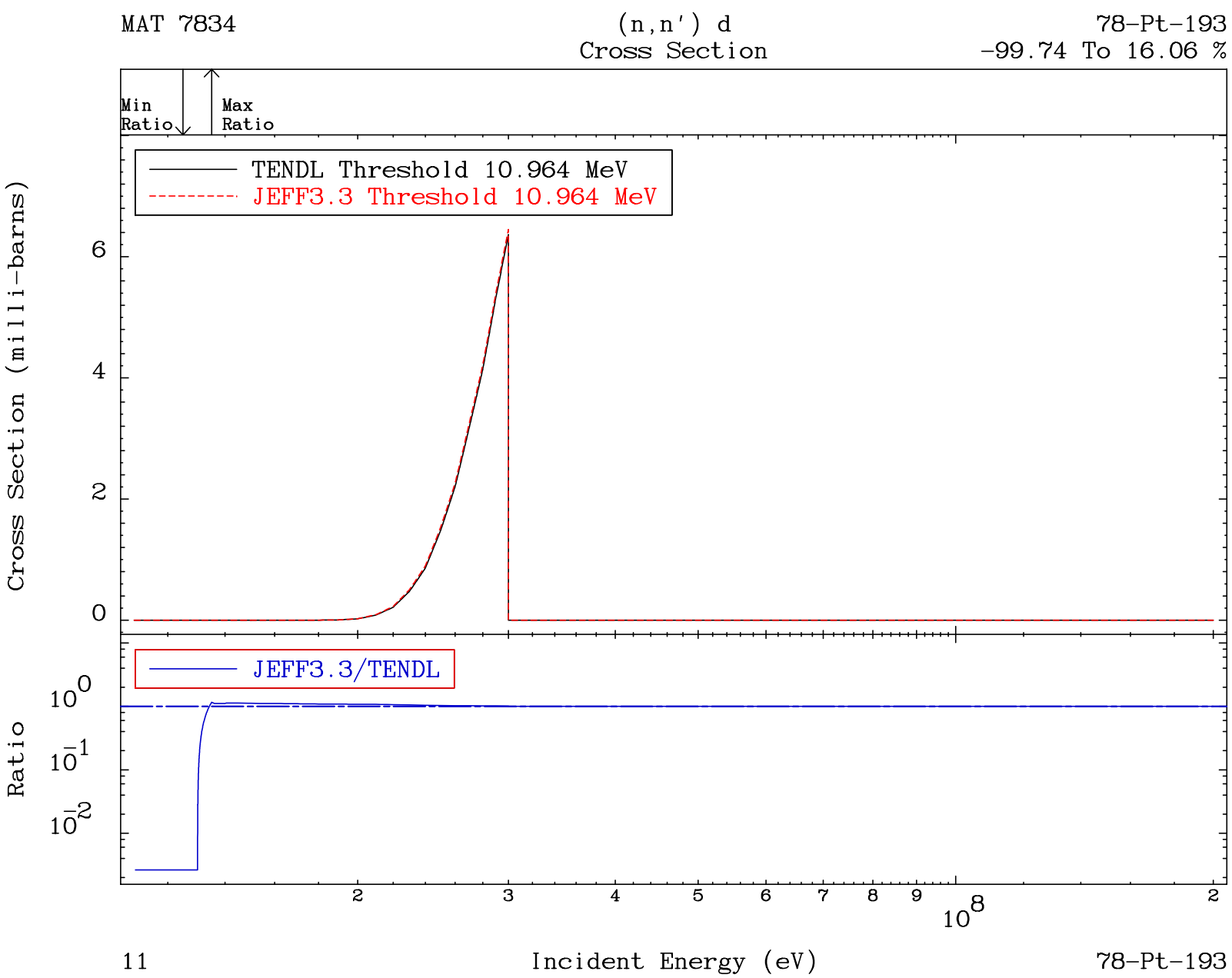

MAT 7834
(n,3n)
Cross Section
78-Pt-193
-0.520 To 0.025 %
Max Ratio
Min Ratio
TENDL Threshold 15.002 MeV
JEFF3.3 Threshold 15.002 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
78-Pt-193

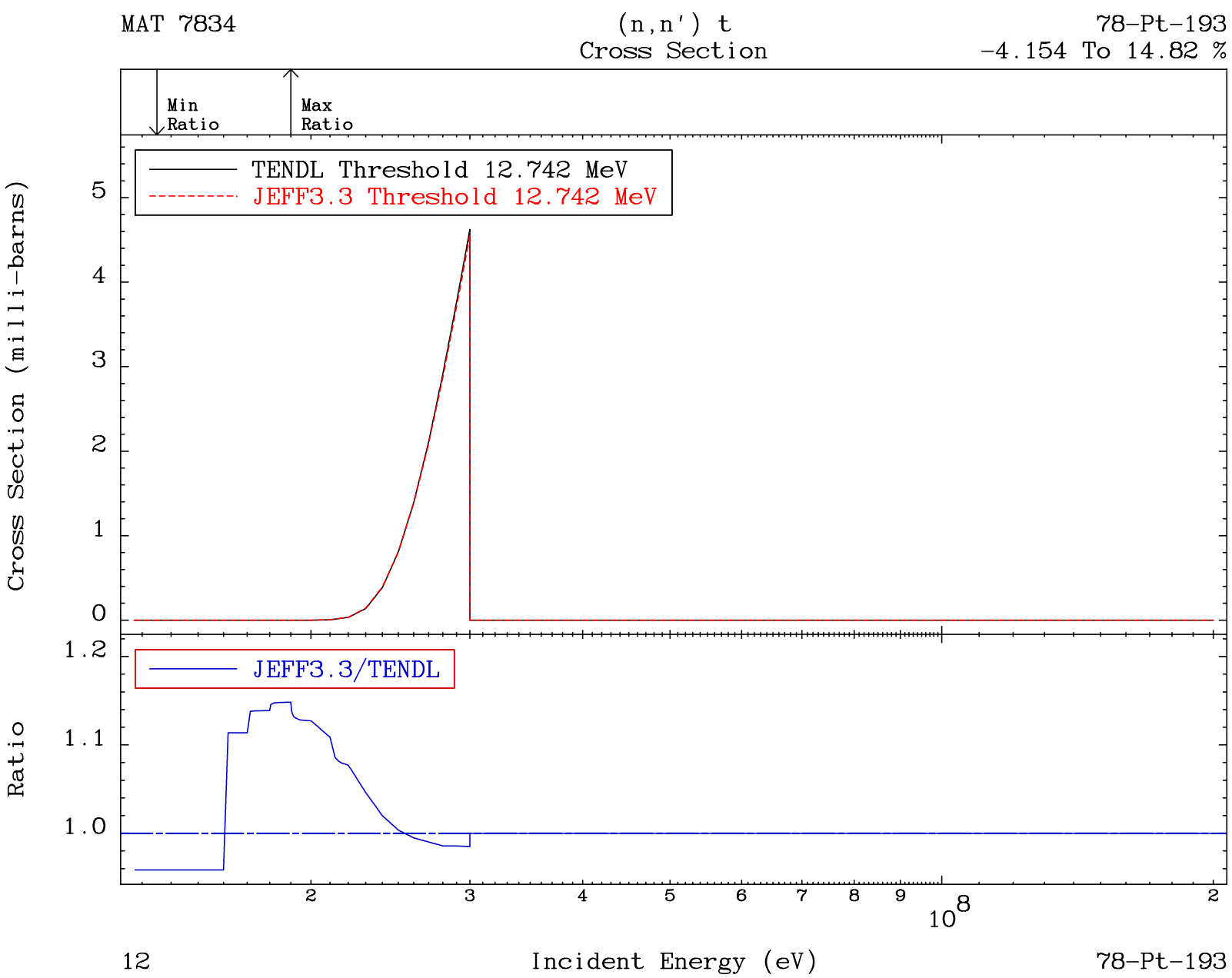

MAT 7834
(n,n') α
Cross Section
78-Pt-193
-21.44 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 213.98 eV
JEFF3.3 Threshold 955.03 eV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
7
78-Pt-193

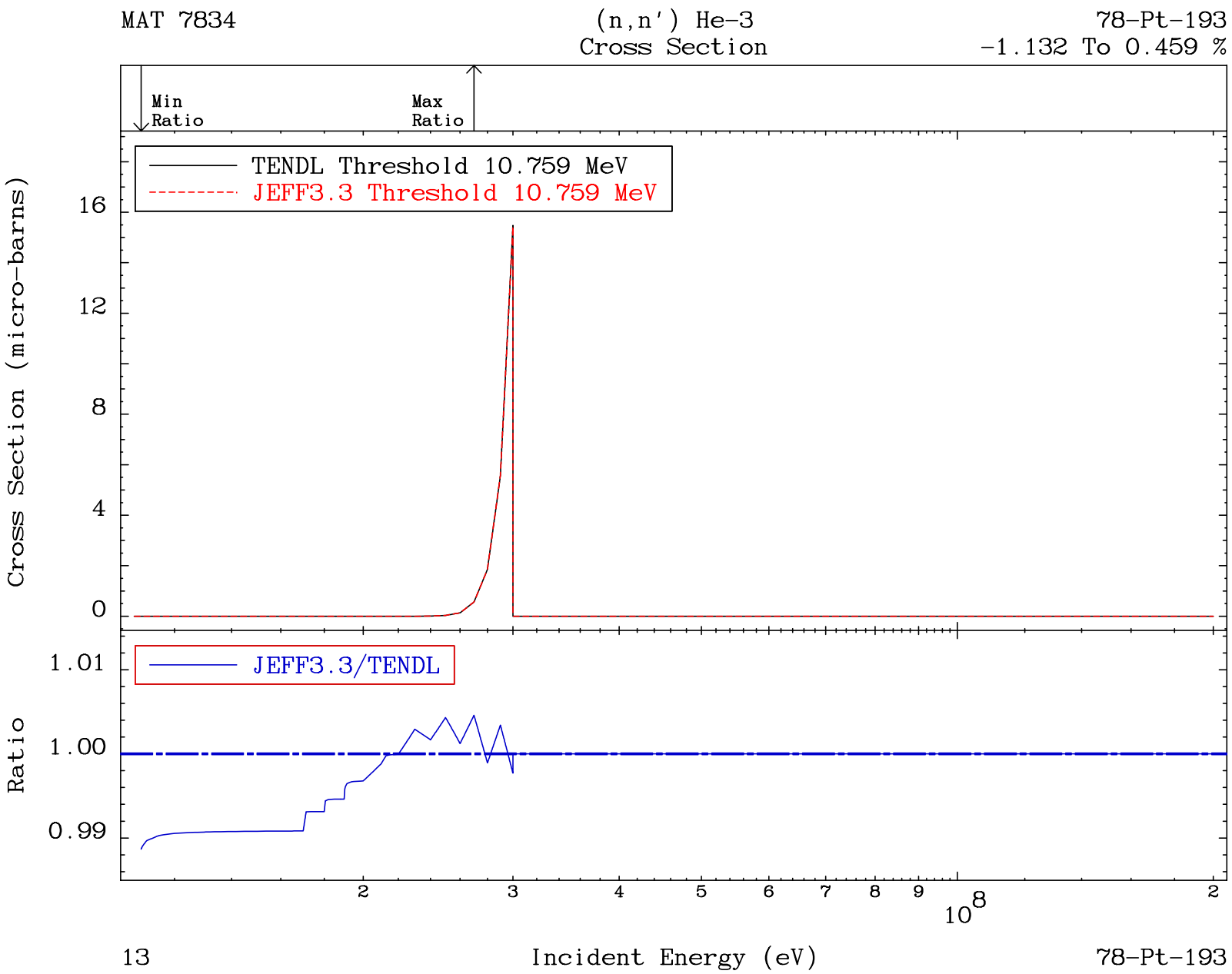

MAT 7834
(n,2n) α
Cross Section
78-Pt-193
-18.34 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.8587 MeV
JEFF3.3 Threshold 3.8587 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
10^6
10^3
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
8
78-Pt-193

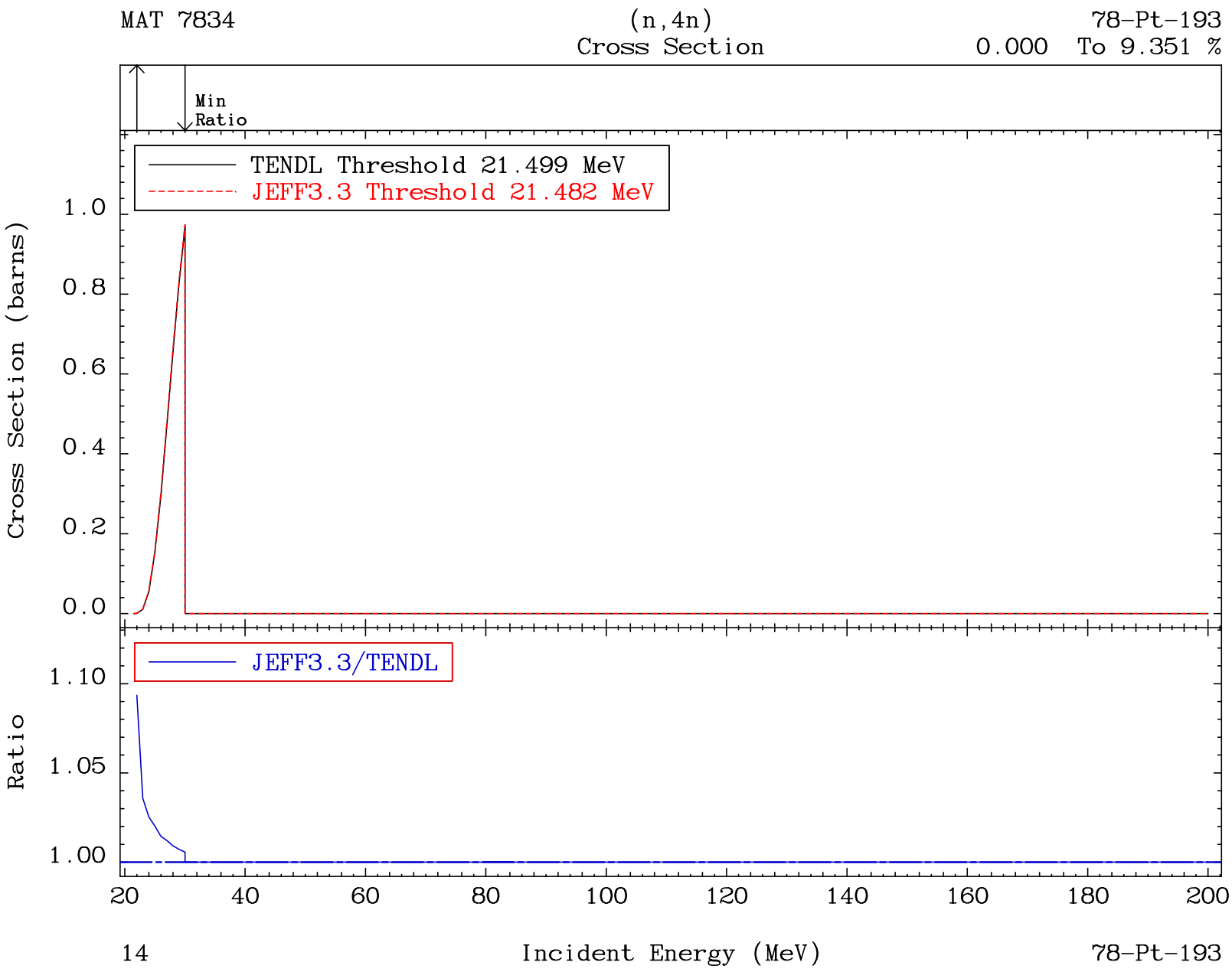

MAT 7834
(n,3n) α
Cross Section
78-Pt-193
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.890 MeV
JEFF3.3 Threshold 11.890 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^3
10^0
10^-3
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-193

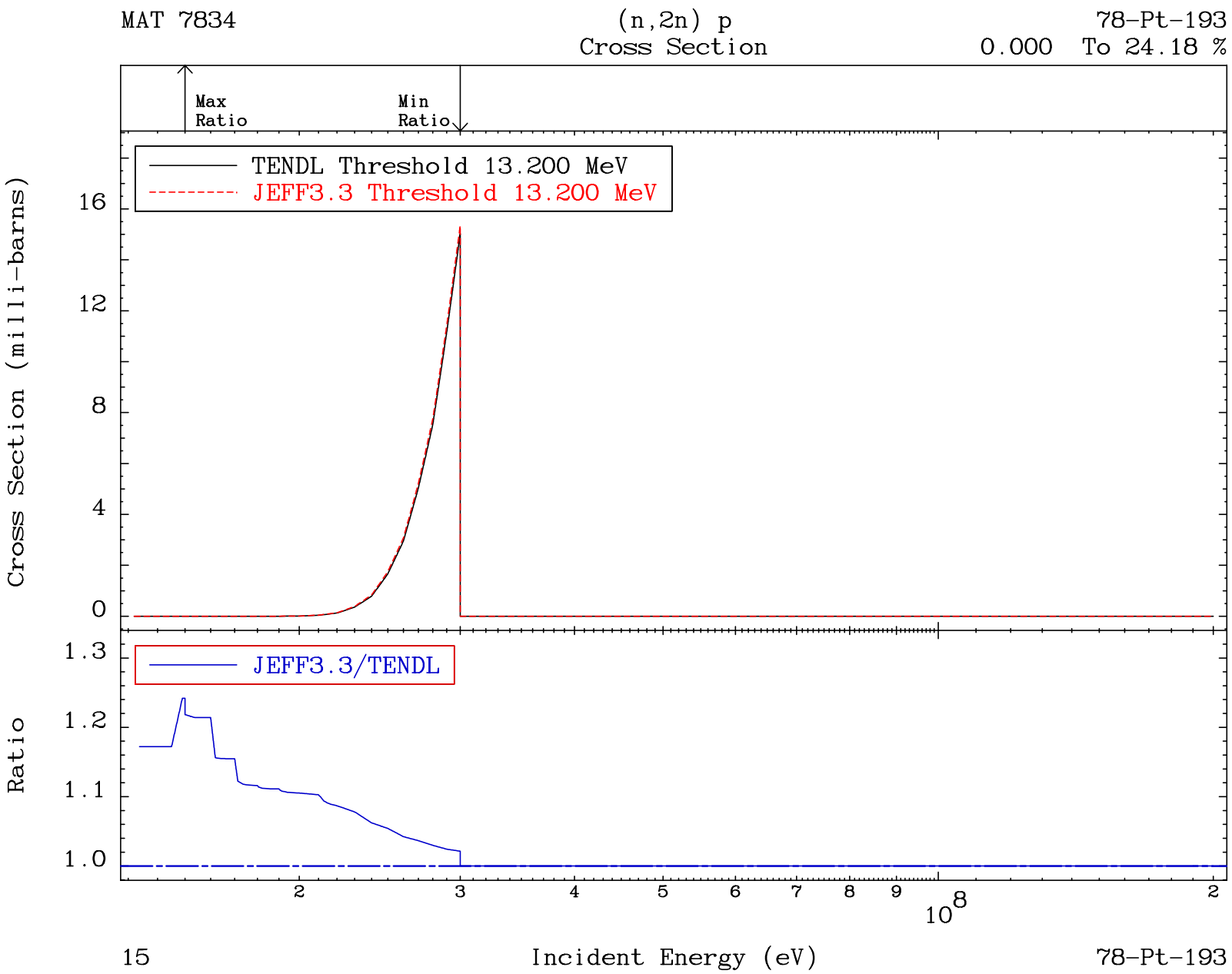

MAT 7834
(n,n') p
Cross Section
78-Pt-193
-17.66 To 33.93 %
Max Ratio
Min Ratio
TENDL Threshold 6.9693 MeV
JEFF3.3 Threshold 6.9693 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
78-Pt-193

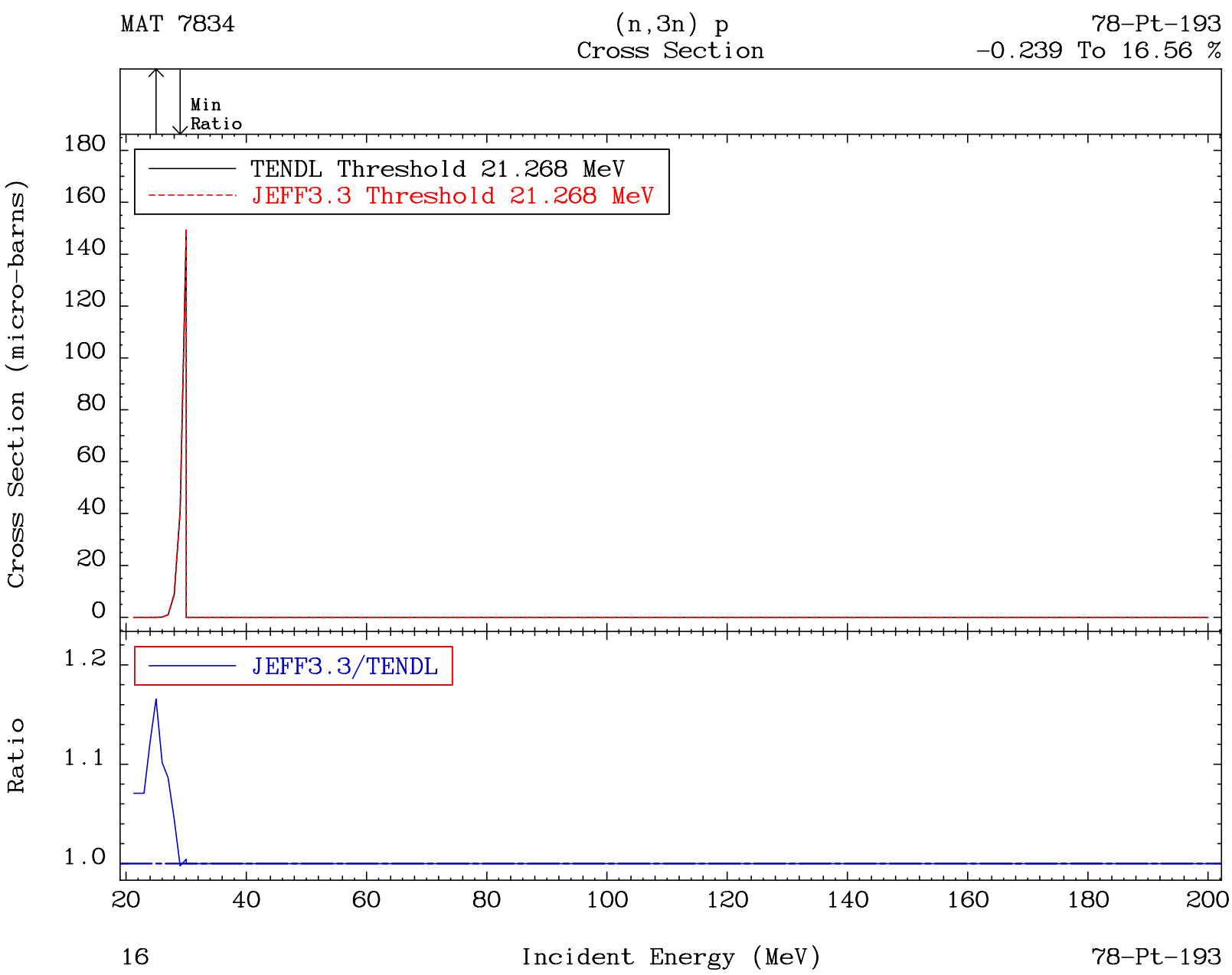

MAT 7834
(n,n') d
Cross Section
78-Pt-193
-99.74 To 16.06 %
Min Ratio
Max Ratio
TENDL Threshold 10.964 MeV
JEFF3.3 Threshold 10.964 MeV
Cross Section (milli-barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
10^{0}
10^{-1}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
11
Incident Energy (eV)
78-Pt-193

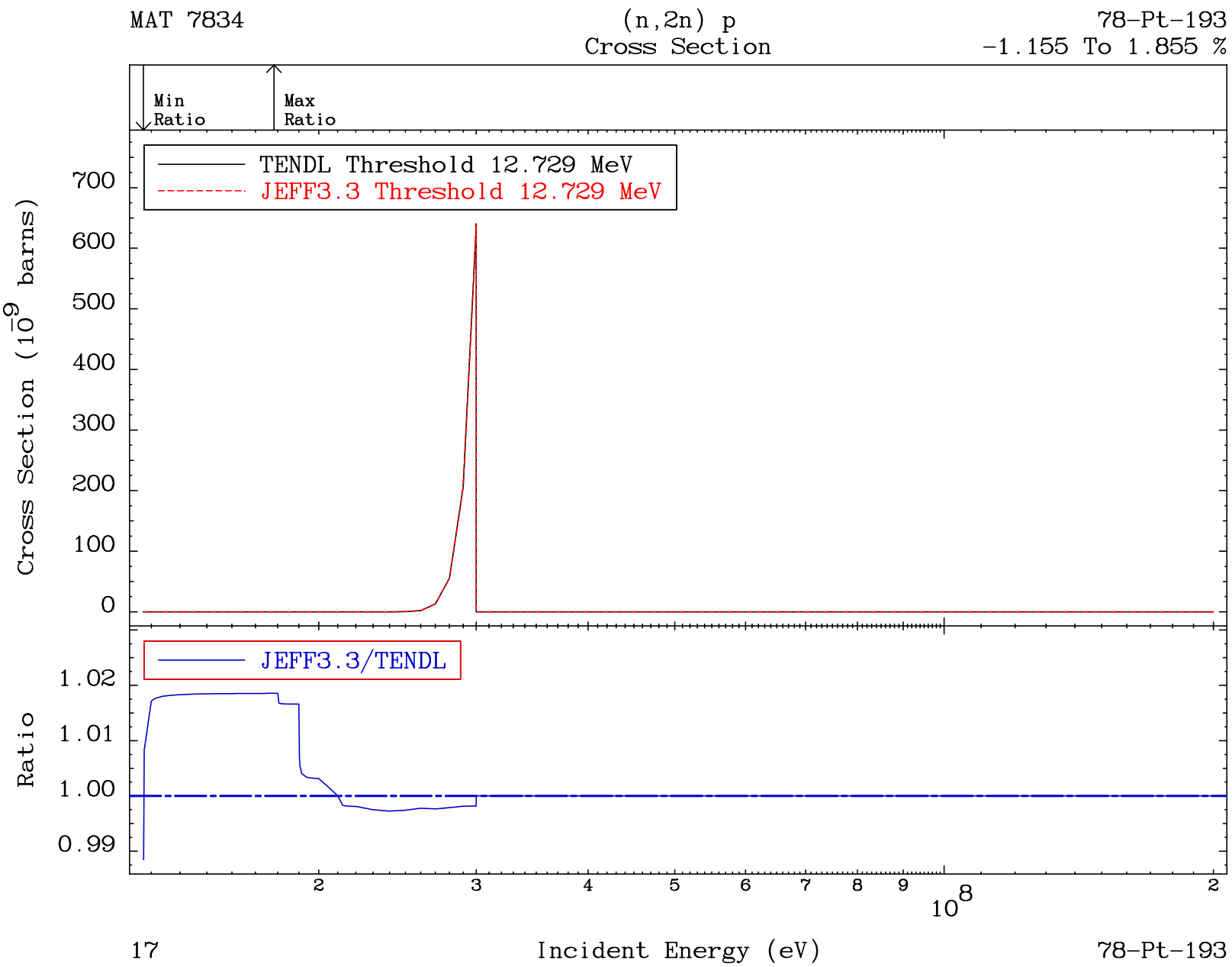

MAT 7834
(n,n') t
Cross Section
78-Pt-193
-4.154 To 14.82 %
Min Ratio
Max Ratio
TENDL Threshold 12.742 MeV
JEFF3.3 Threshold 12.742 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.0
1.1
1.2
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
78-Pt-193

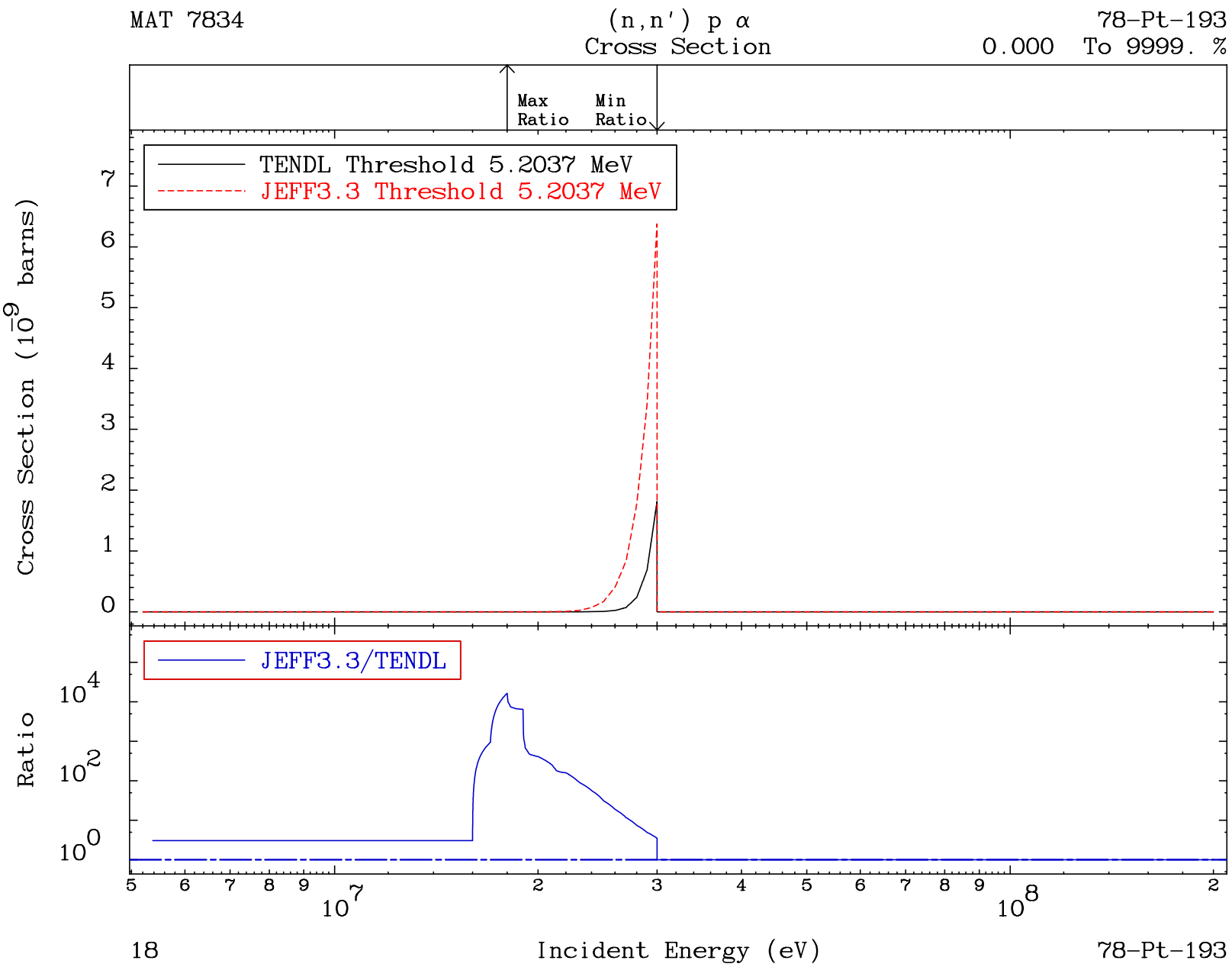

MAT 7834
(n,n') He-3
Cross Section
78-Pt-193
-1.132 To 0.459 %
Min Ratio
Max Ratio
TENDL Threshold 10.759 MeV
JEFF3.3 Threshold 10.759 MeV
Cross Section (micro-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
78-Pt-193

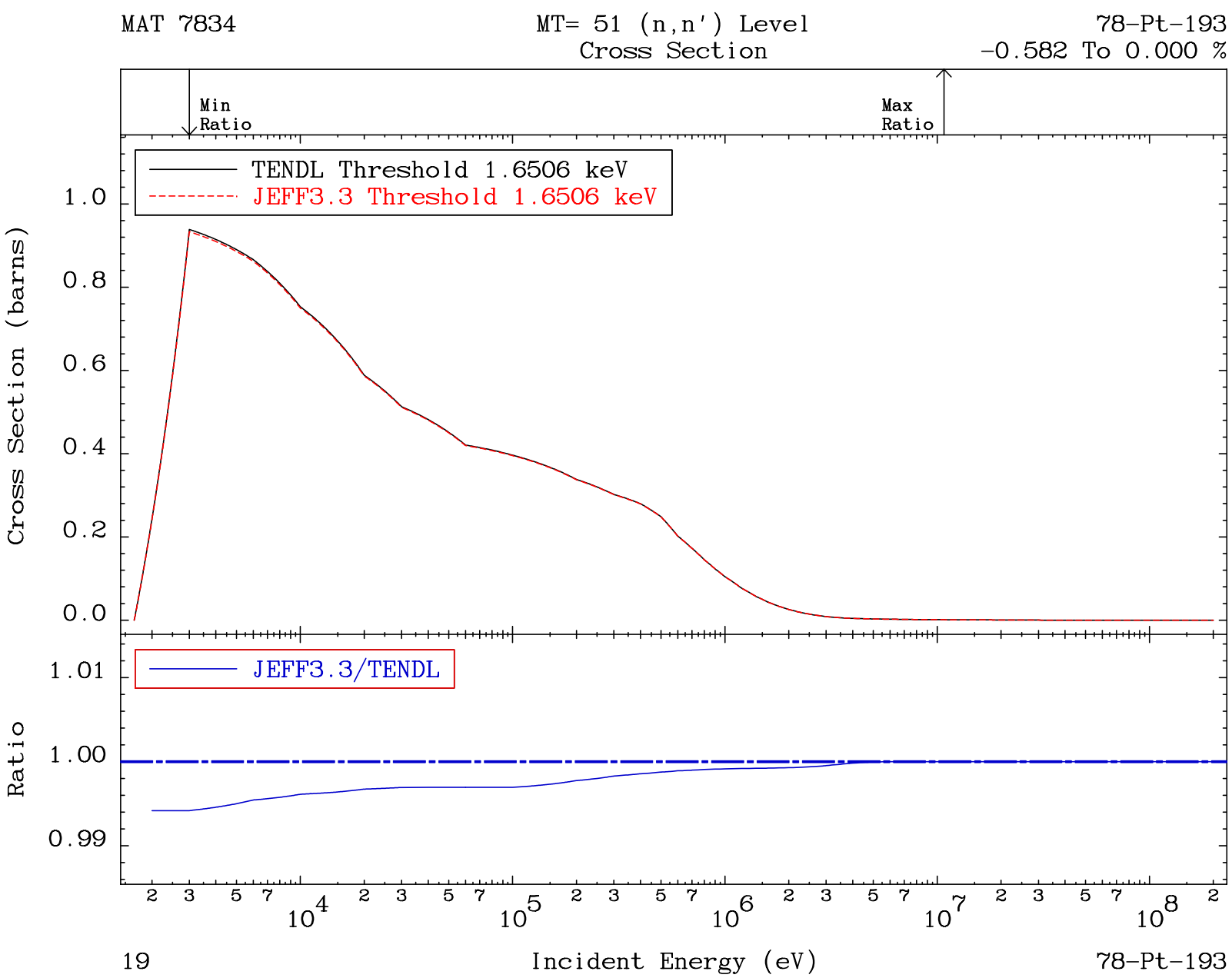

MAT 7834
(n,4n)
Cross Section
78-Pt-193
0.000 To 9.351 %
Min
Ratio
TENDL Threshold 21.499 MeV
JEFF3.3 Threshold 21.482 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
78-Pt-193

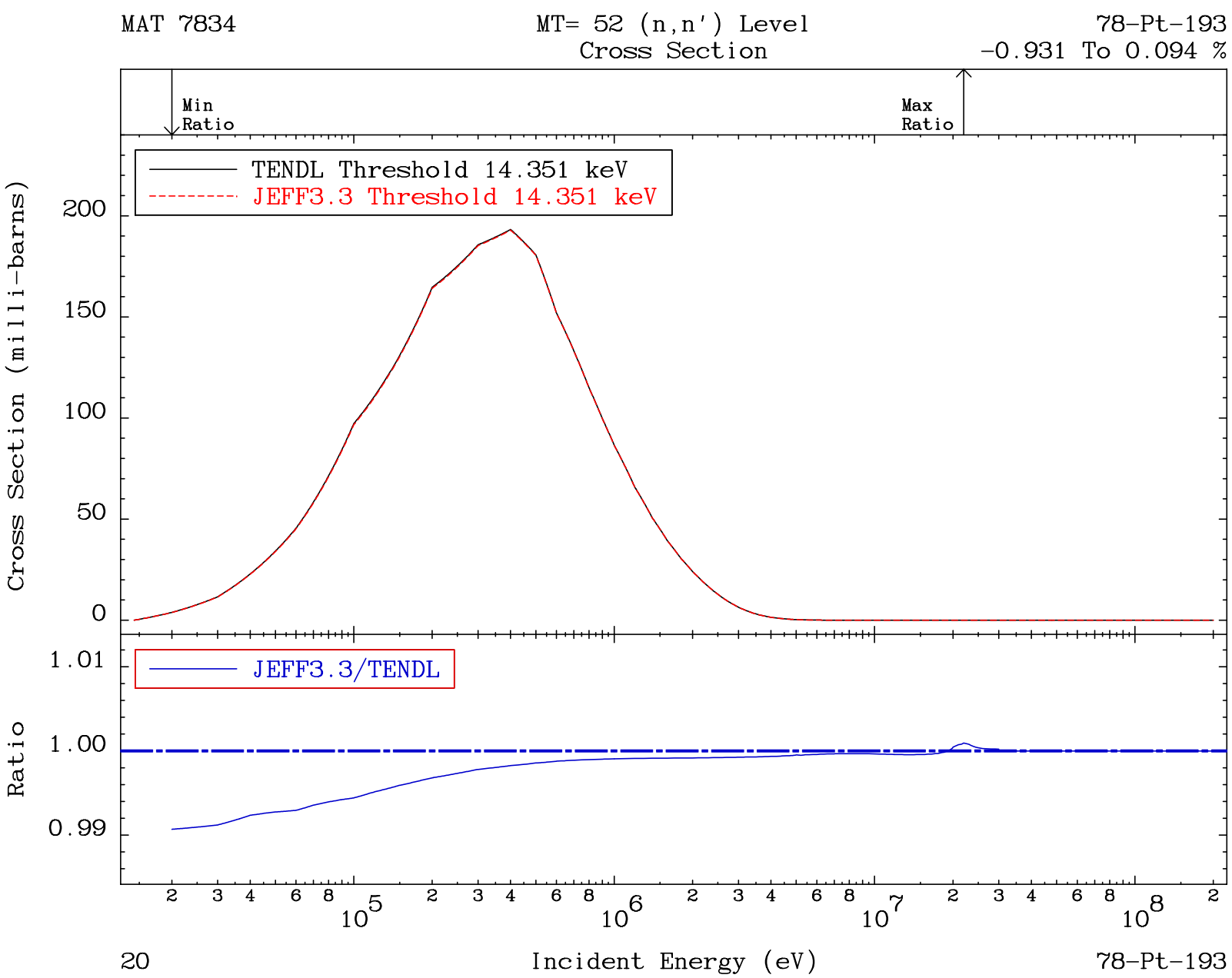

MAT 7834
(n,2n) p
Cross Section
78-Pt-193
0.000 To 24.18 %
Max Ratio
Min Ratio
TENDL Threshold 13.200 MeV
JEFF3.3 Threshold 13.200 MeV
Cross Section (milli-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
78-Pt-193

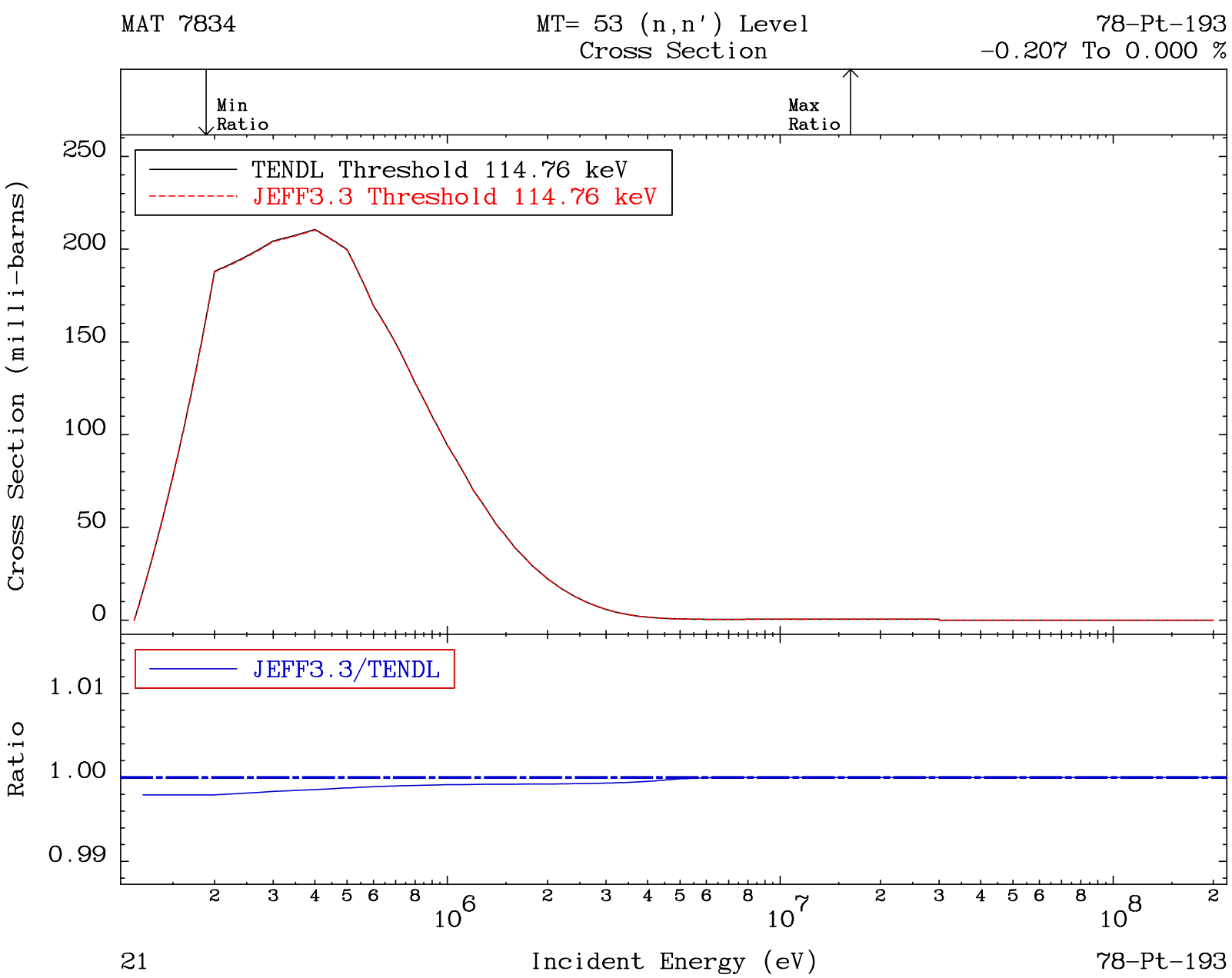

MAT 7834
(n,3n) p
Cross Section
78-Pt-193
-0.239 To 16.56 %
Min
Ratio
TENDL Threshold 21.268 MeV
JEFF3.3 Threshold 21.268 MeV
Cross Section (micro-barns)
180
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
78-Pt-193

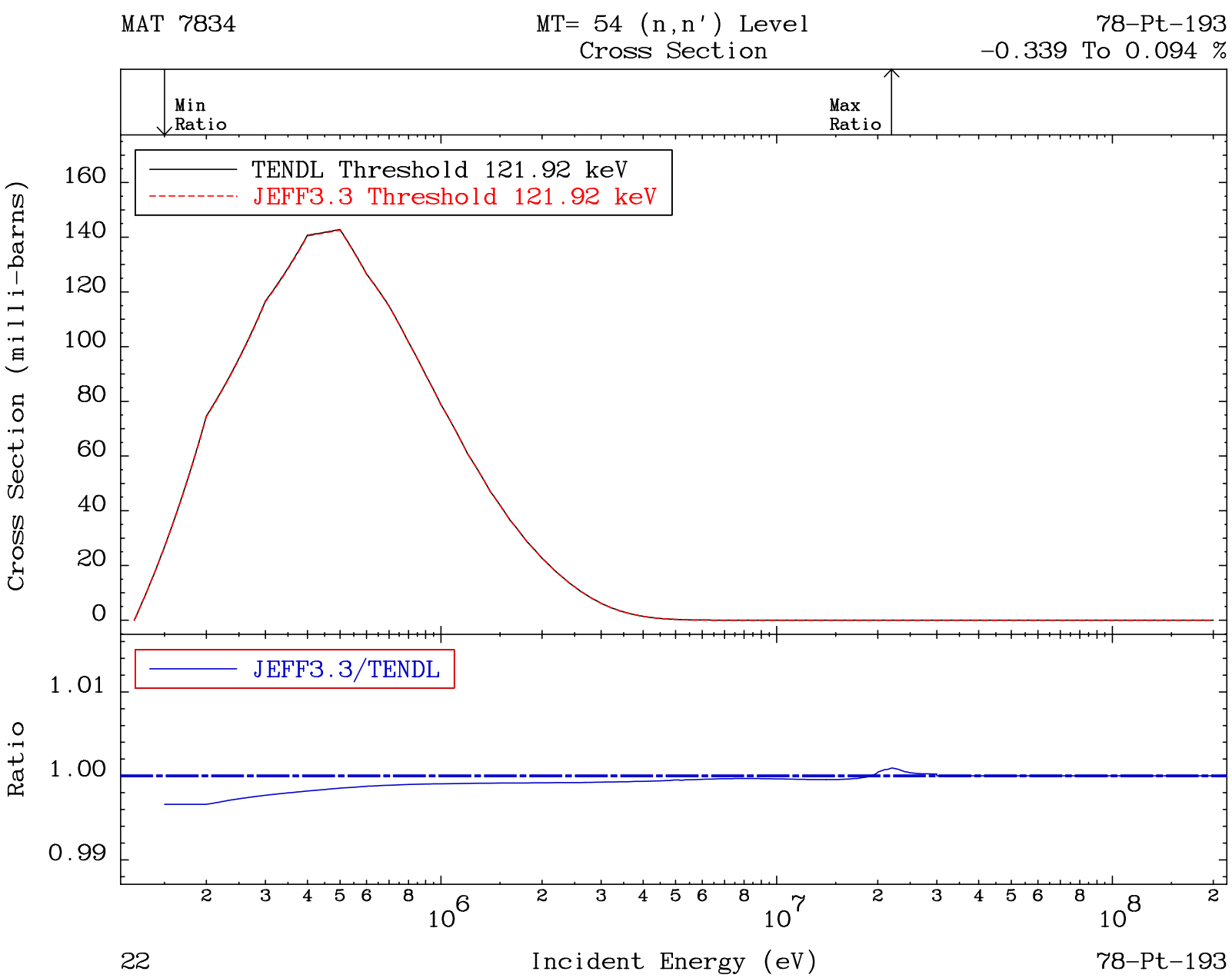

MAT 7834
(n,2n) p
Cross Section
78-Pt-193
-1.155 To 1.855 %
Min Ratio
Max Ratio
TENDL Threshold 12.729 MeV
JEFF3.3 Threshold 12.729 MeV
Cross Section (10^{-9} barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
78-Pt-193

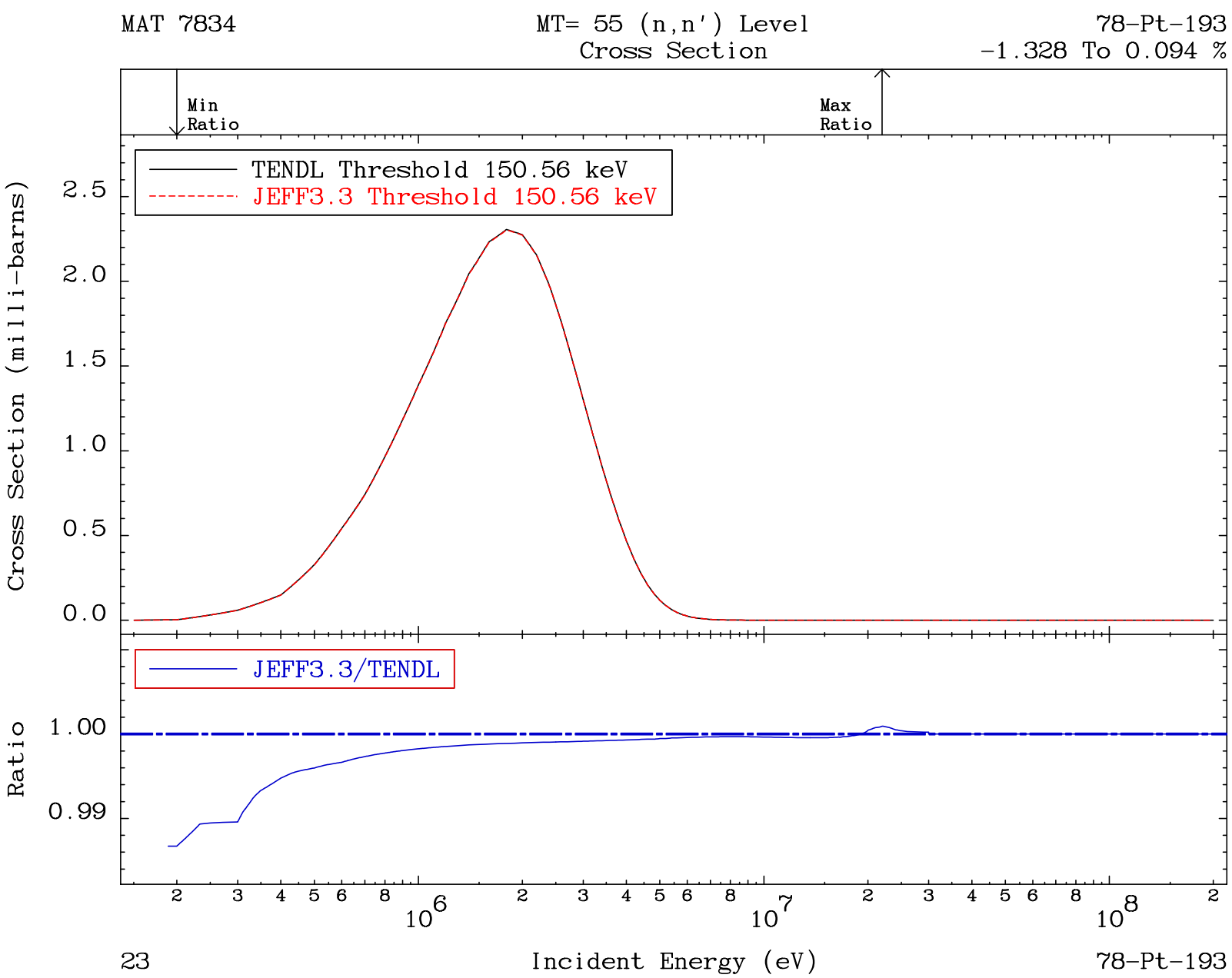

MAT 7834
(n,n') p α
Cross Section
78-Pt-193
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.2037 MeV
JEFF3.3 Threshold 5.2037 MeV
Cross Section (10^{-9} barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
18
78-Pt-193

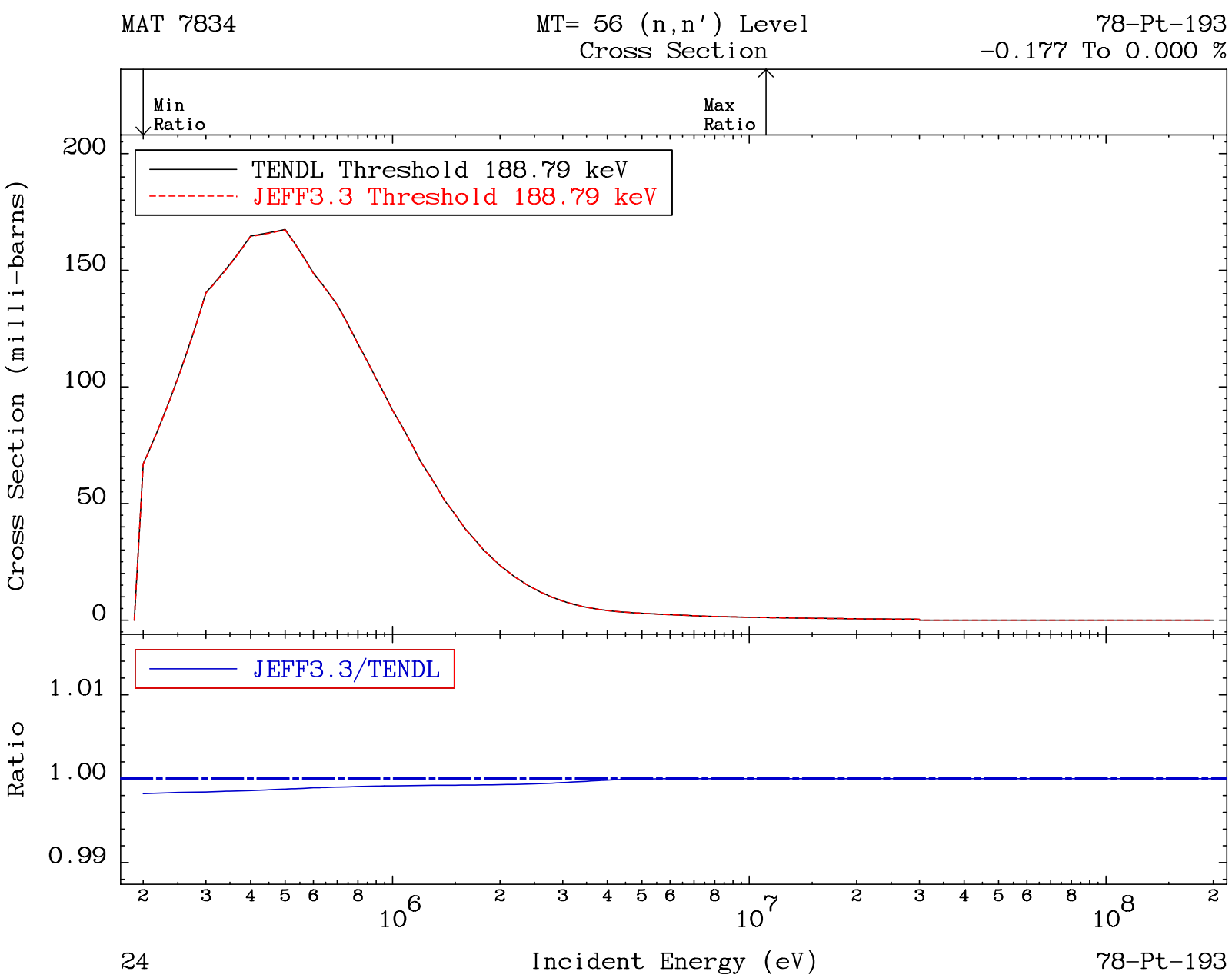

MAT 7834
MT= 51 (n,n') Level
Cross Section
78-Pt-193
-0.582 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6506 keV
JEFF3.3 Threshold 1.6506 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
19
Incident Energy (eV)
78-Pt-193

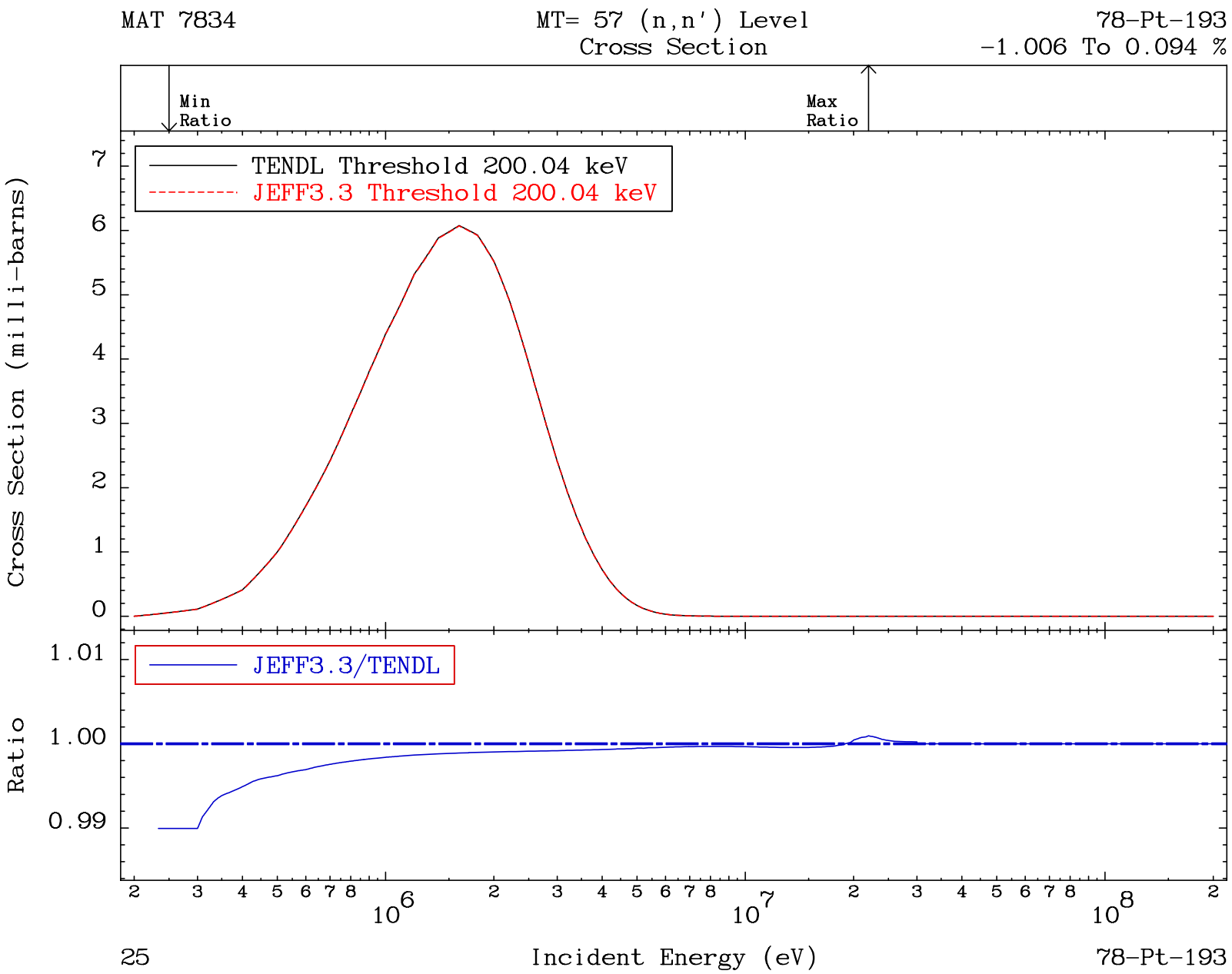

MAT 7834
MT= 52 (n,n') Level
Cross Section
78-Pt-193
-0.931 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 14.351 keV
JEFF3.3 Threshold 14.351 keV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 6 8 10^5 2 3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
20
Incident Energy (eV)
78-Pt-193

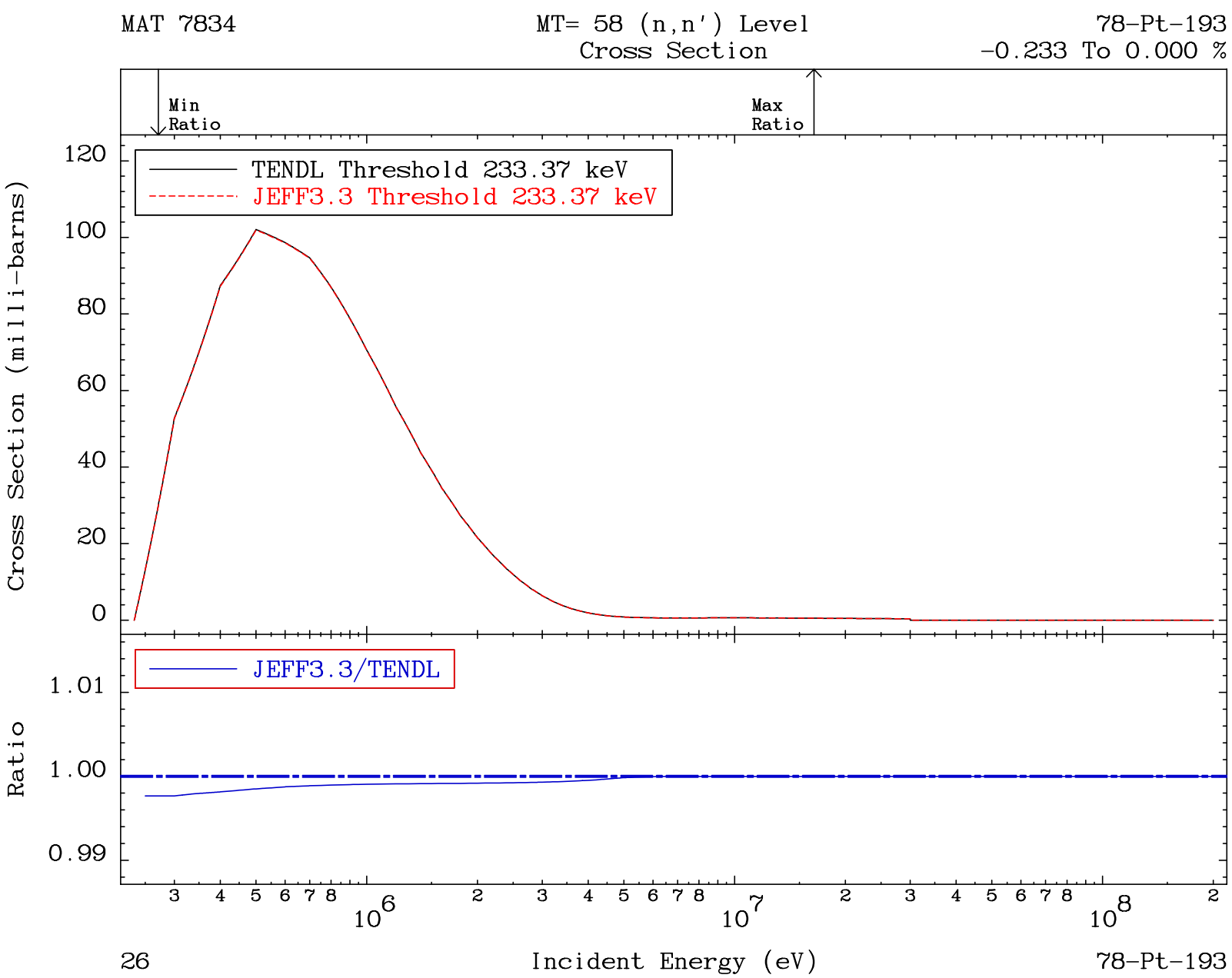

MAT 7834
MT= 53 (n,n') Level
Cross Section
78-Pt-193
-0.207 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 114.76 keV
JEFF3.3 Threshold 114.76 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
78-Pt-193

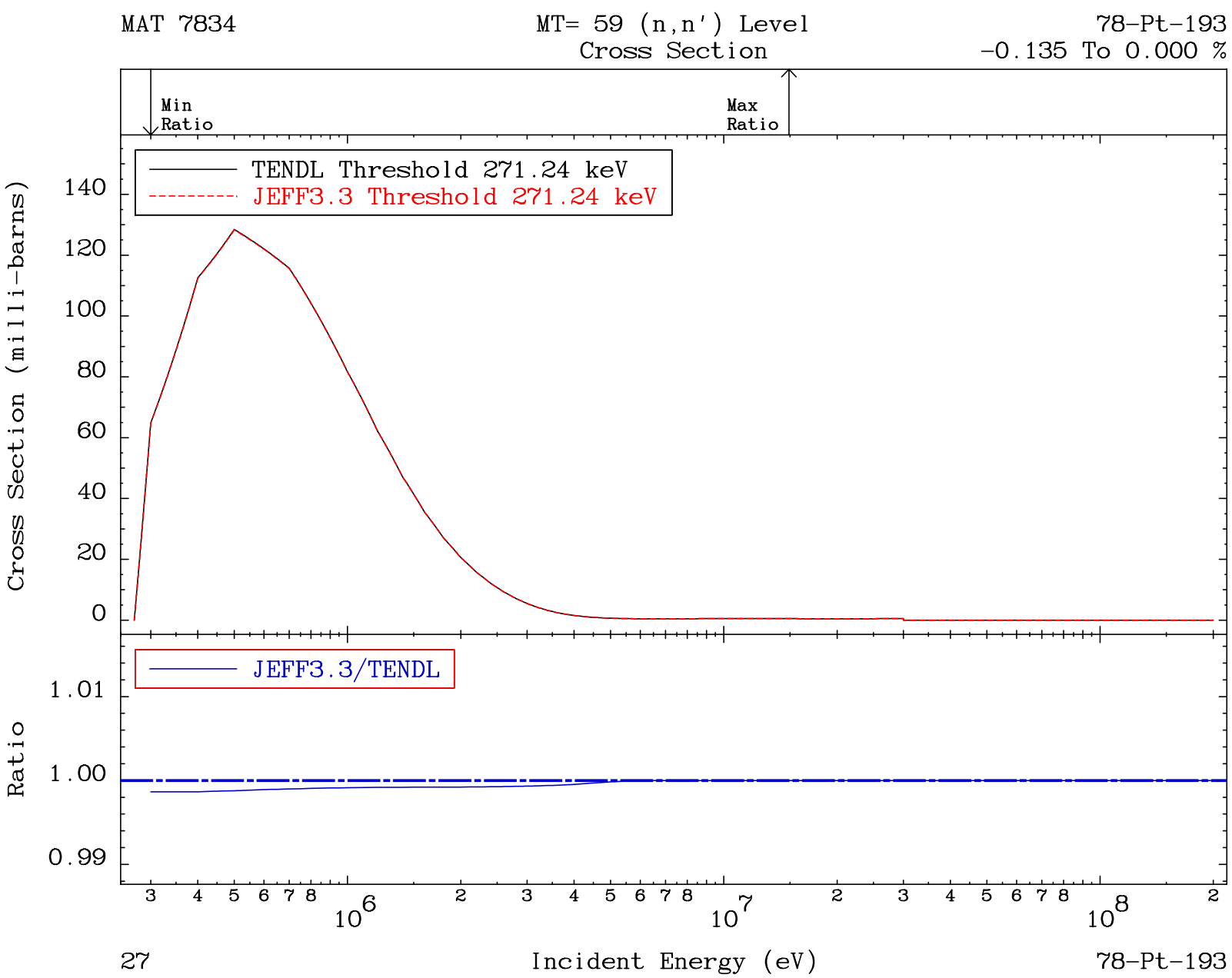

MAT 7834
MT= 54 (n,n') Level
Cross Section
78-Pt-193
-0.339 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 121.92 keV
JEFF3.3 Threshold 121.92 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
22
Incident Energy (eV)
78-Pt-193

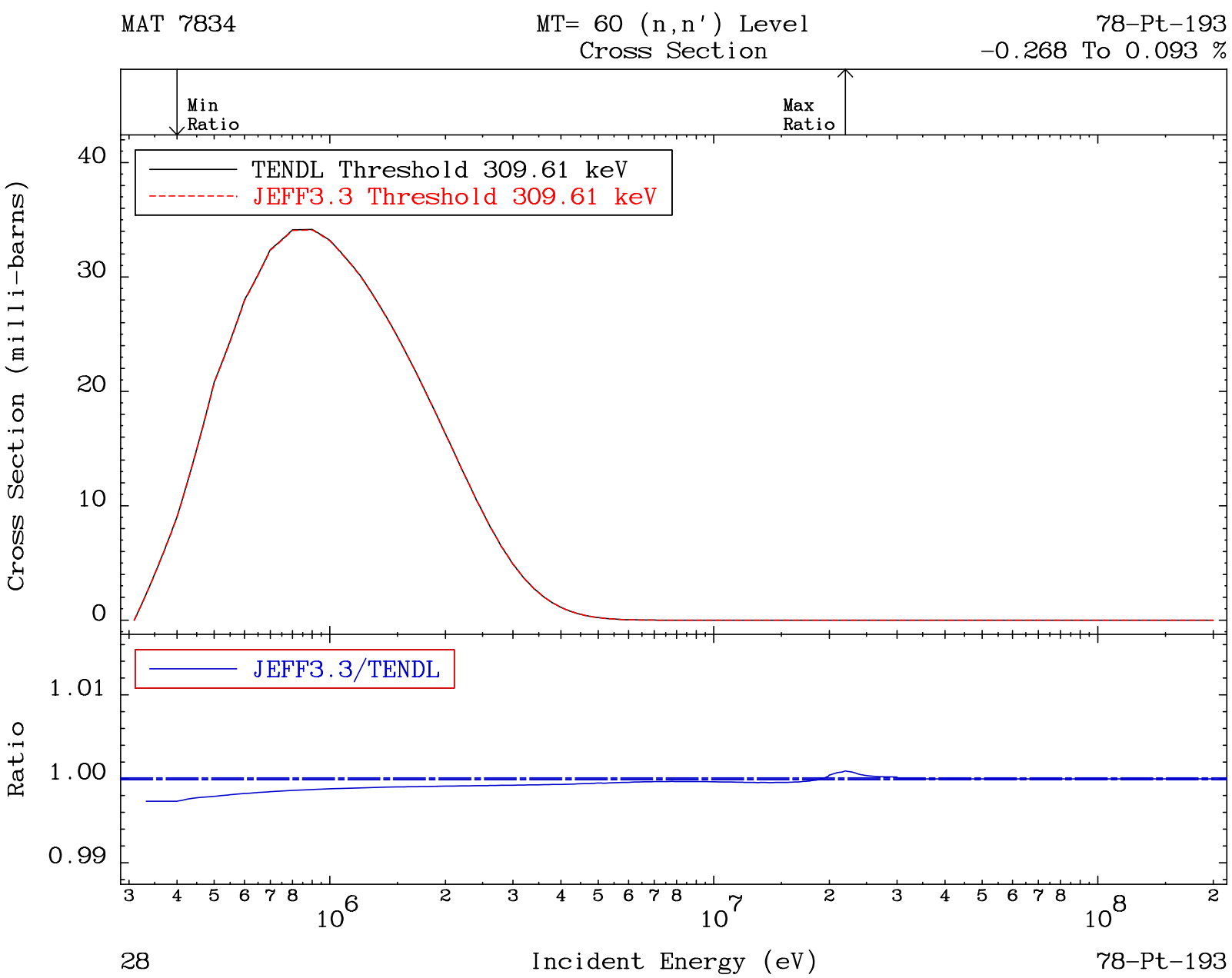

MAT 7834
MT= 55 (n,n') Level
Cross Section
78-Pt-193
-1.328 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 150.56 keV
JEFF3.3 Threshold 150.56 keV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.99
2
3
4
5
6
8
10^6
10^7
10^8
23
Incident Energy (eV)
78-Pt-193

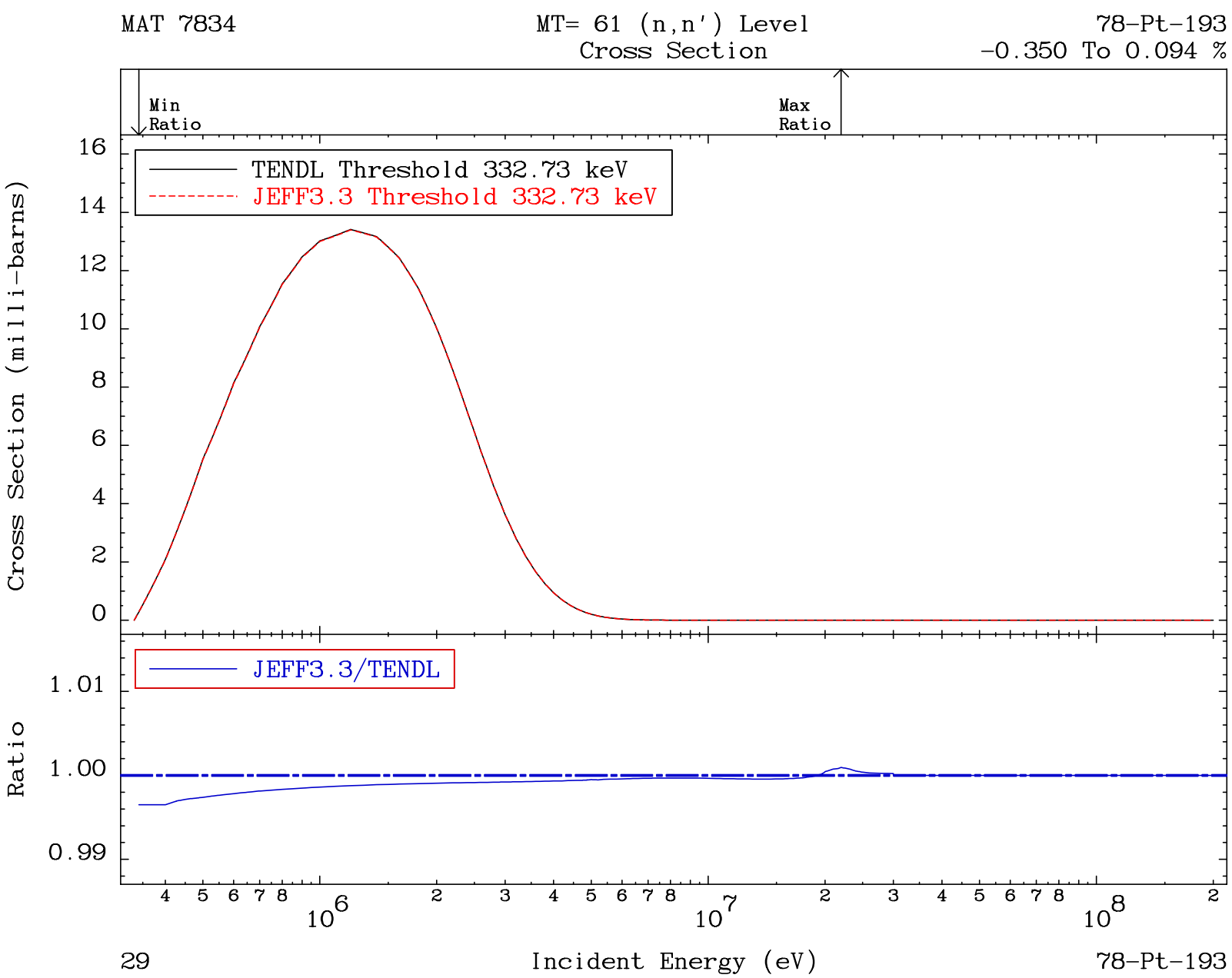

MAT 7834
MT= 56 (n,n') Level
Cross Section
78-Pt-193
-0.177 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 188.79 keV
JEFF3.3 Threshold 188.79 keV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
8
10^6
10^7
10^8
24
Incident Energy (eV)
78-Pt-193

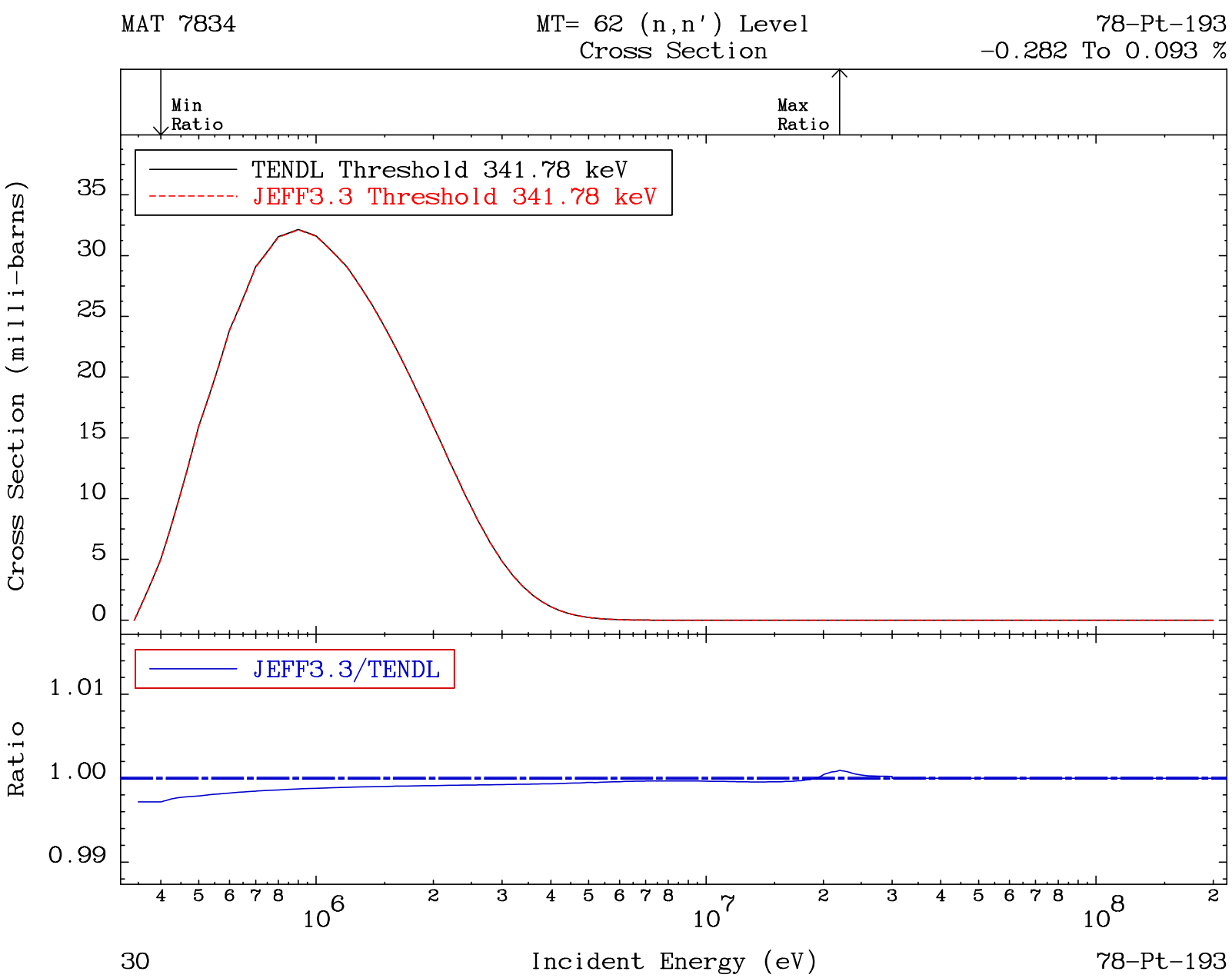

MAT 7834
MT= 57 (n,n') Level
Cross Section
78-Pt-193
-1.006 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 200.04 keV
JEFF3.3 Threshold 200.04 keV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^6
10^7
10^8
25
Incident Energy (eV)
78-Pt-193

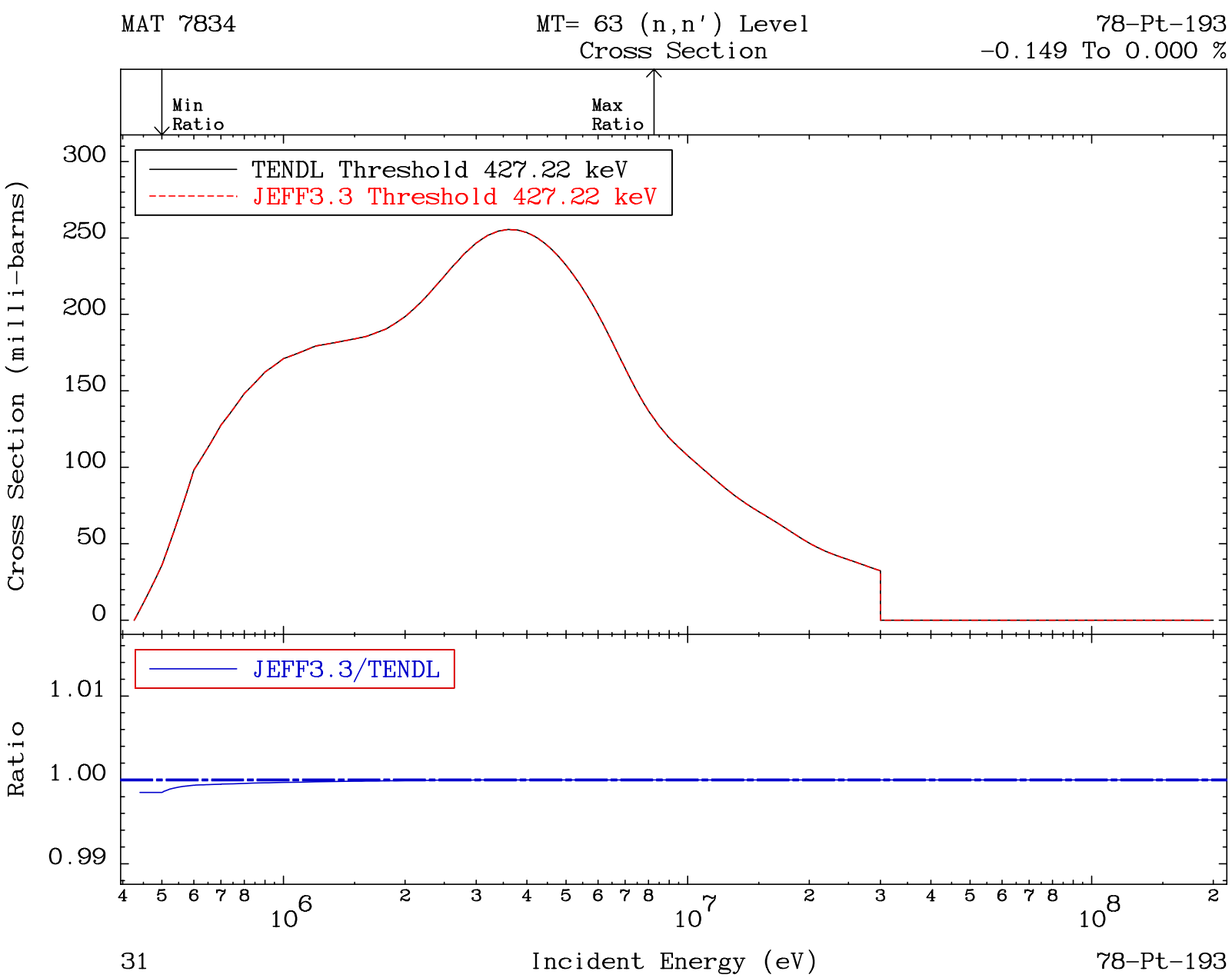

MAT 7834
MT= 58 (n,n') Level
Cross Section
78-Pt-193
-0.233 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 233.37 keV
JEFF3.3 Threshold 233.37 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
78-Pt-193

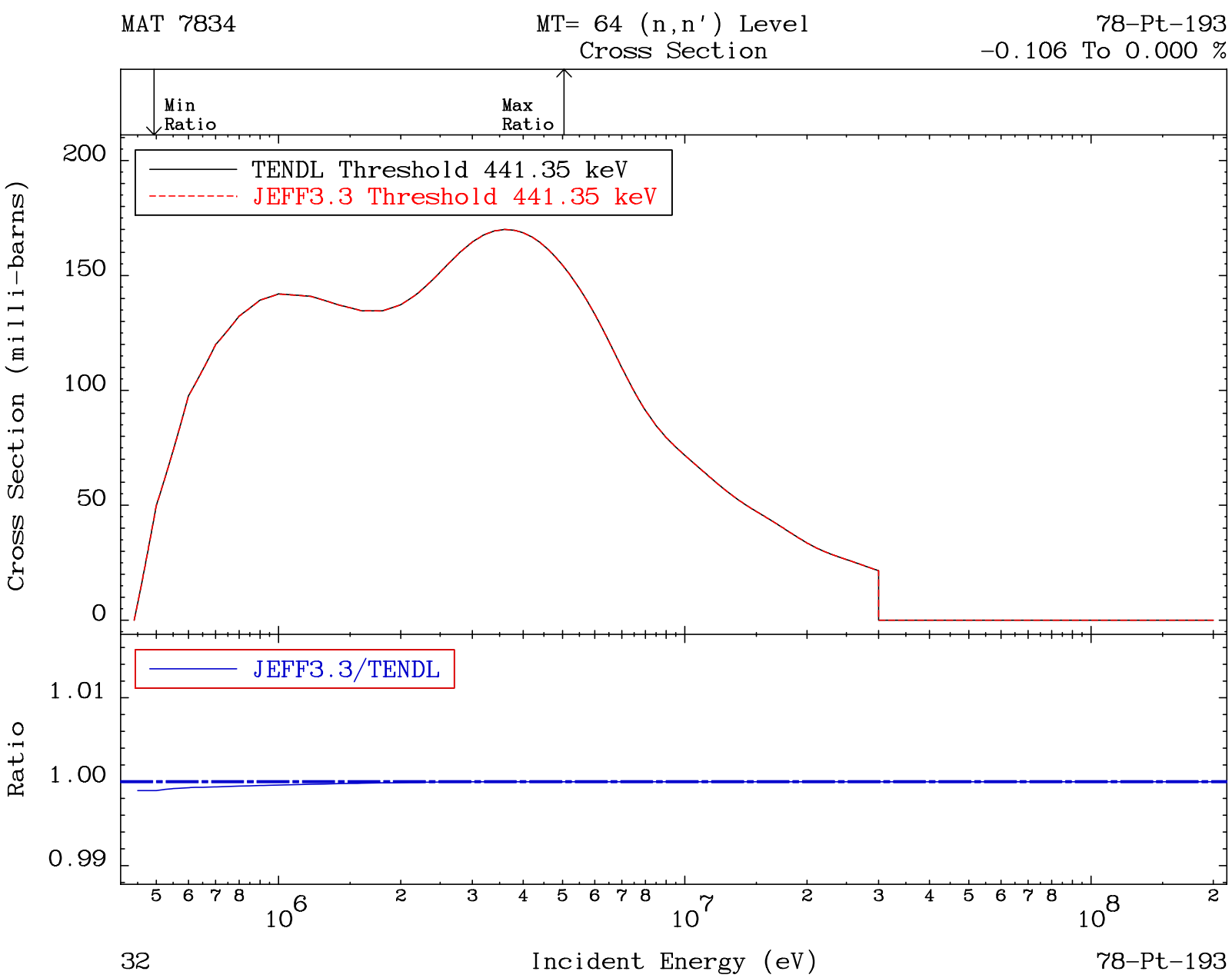

MAT 7834
MT= 59 (n,n') Level
Cross Section
78-Pt-193
-0.135 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 271.24 keV
JEFF3.3 Threshold 271.24 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
78-Pt-193

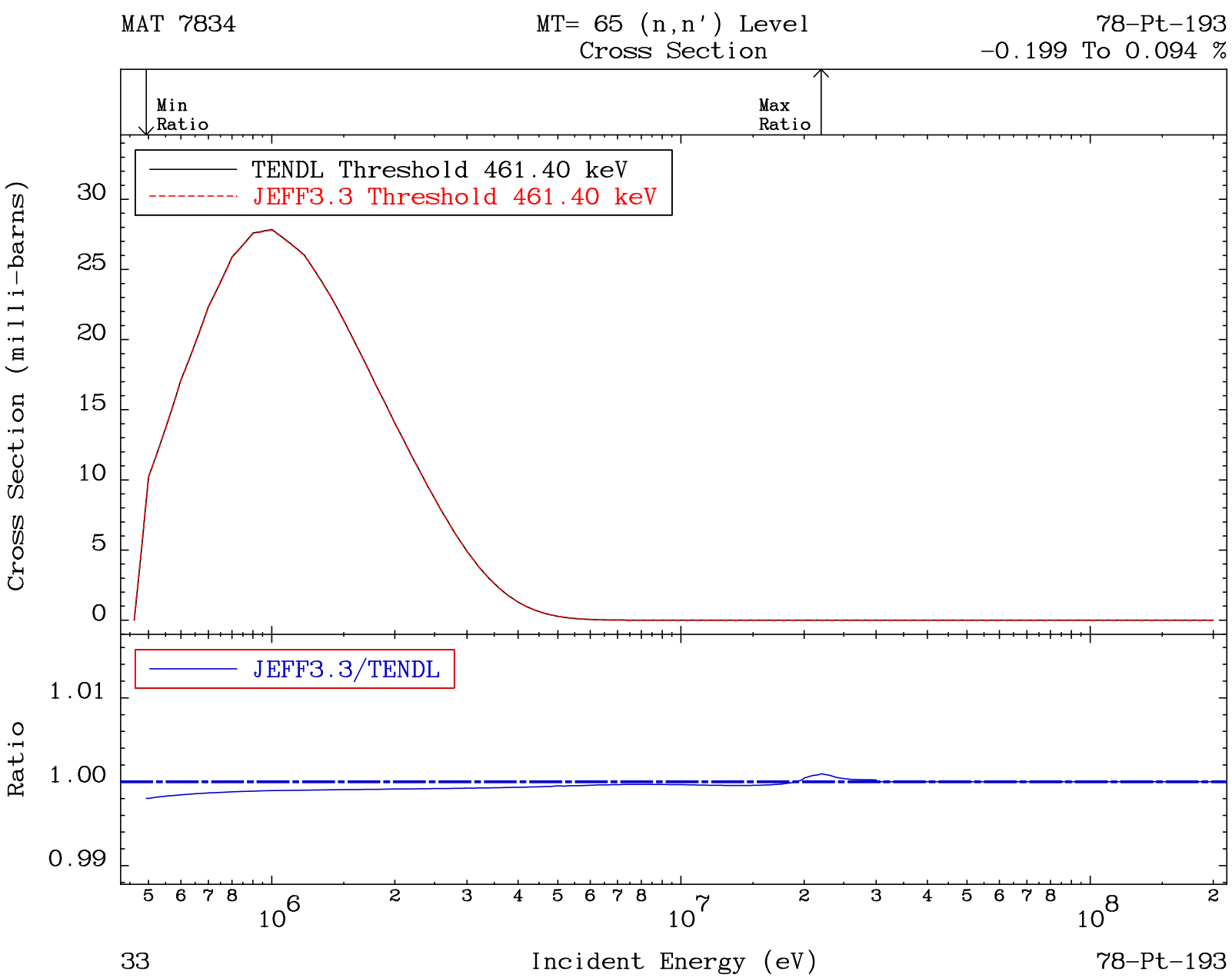

MAT 7834
MT= 60 (n,n') Level
Cross Section
78-Pt-193
-0.268 To 0.093 %
Min
Ratio
Max
Ratio
TENDL Threshold 309.61 keV
JEFF3.3 Threshold 309.61 keV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
78-Pt-193

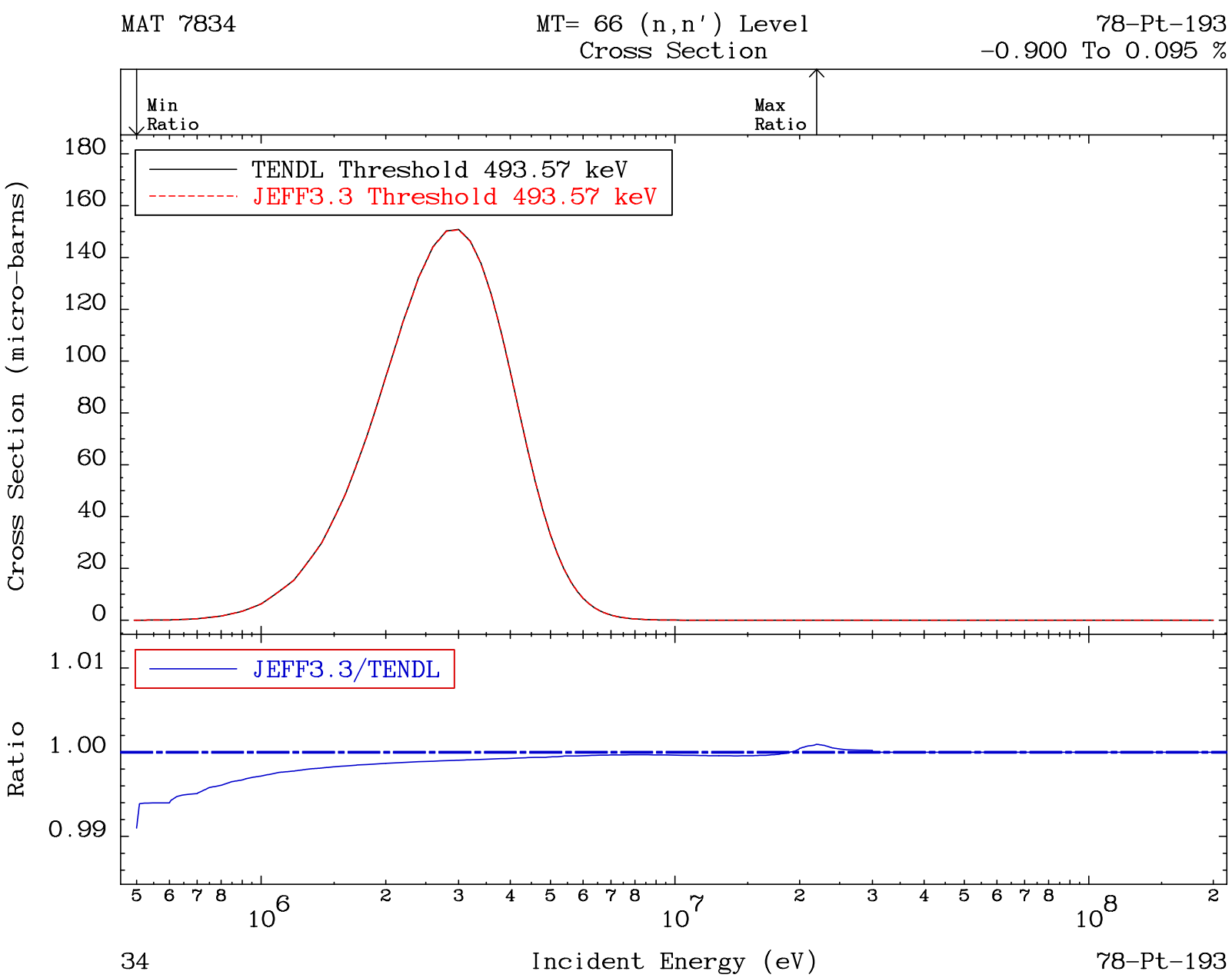

MAT 7834
MT= 61 (n,n') Level
Cross Section
78-Pt-193
-0.350 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 332.73 keV
JEFF3.3 Threshold 332.73 keV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
78-Pt-193

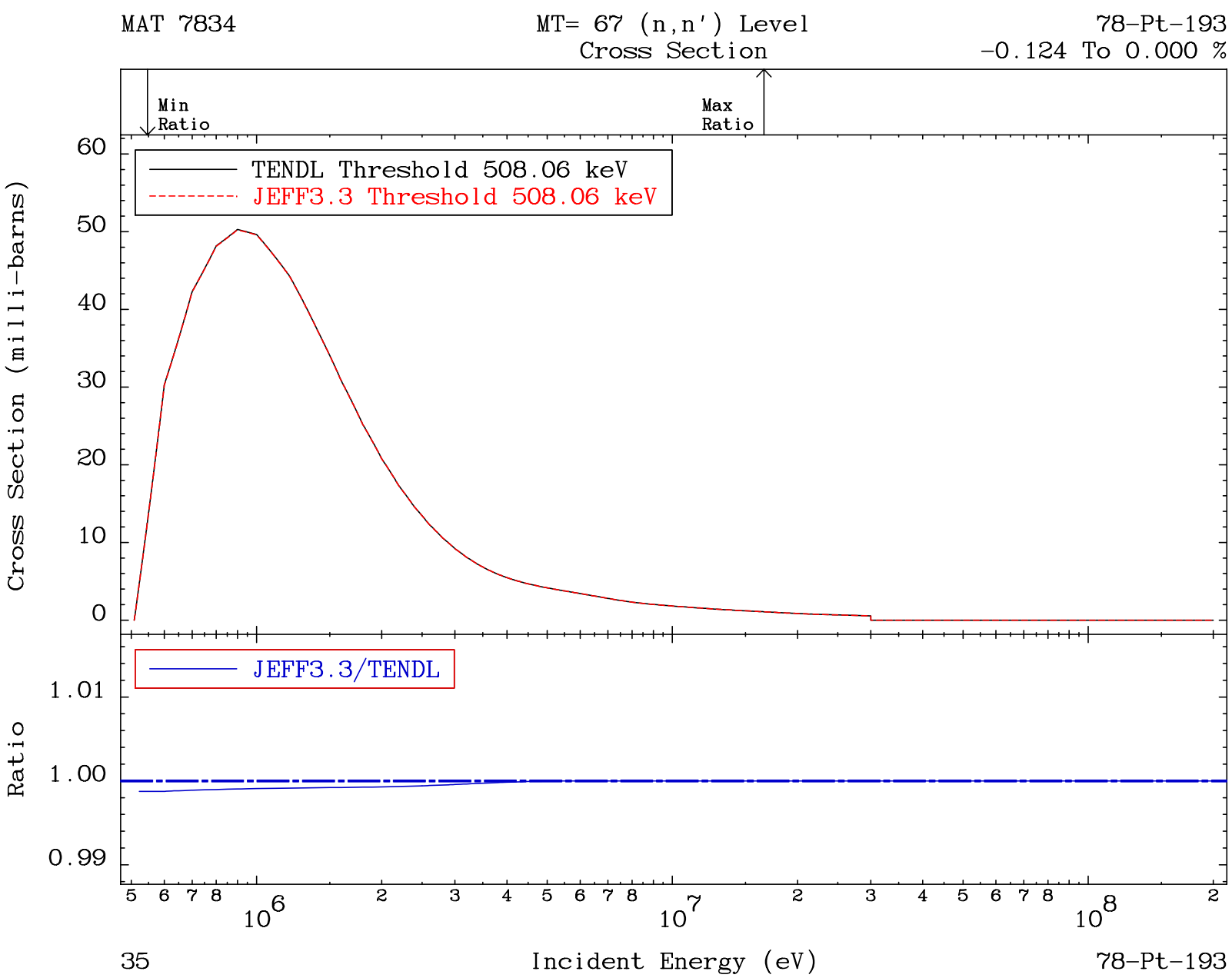

MAT 7834
MT= 62 (n,n') Level
Cross Section
78-Pt-193
-0.282 To 0.093 %
Min
Ratio
Max
Ratio
TENDL Threshold 341.78 keV
JEFF3.3 Threshold 341.78 keV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
78-Pt-193

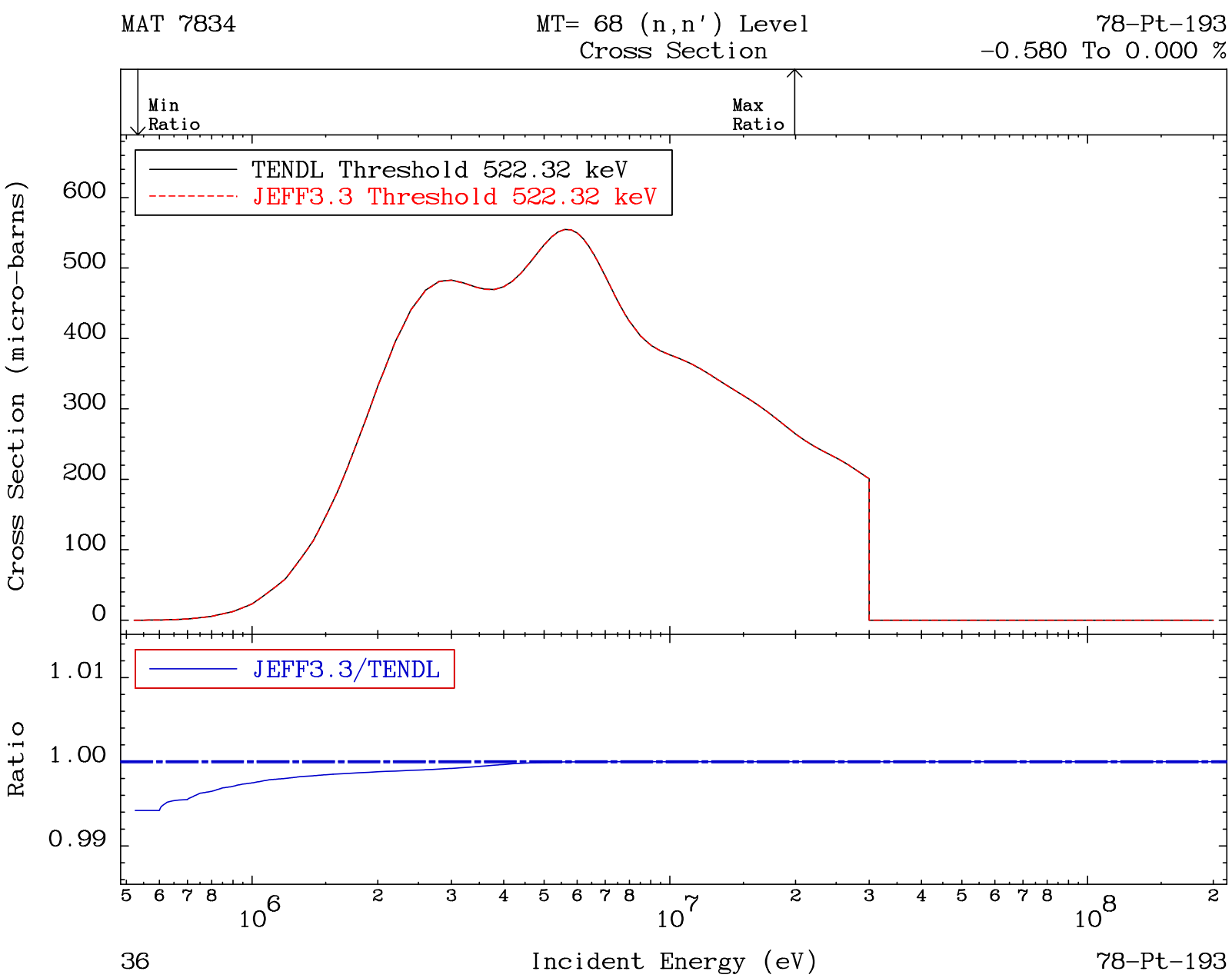

MAT 7834
MT= 63 (n,n') Level
Cross Section
78-Pt-193
-0.149 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 427.22 keV
JEFF3.3 Threshold 427.22 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
78-Pt-193

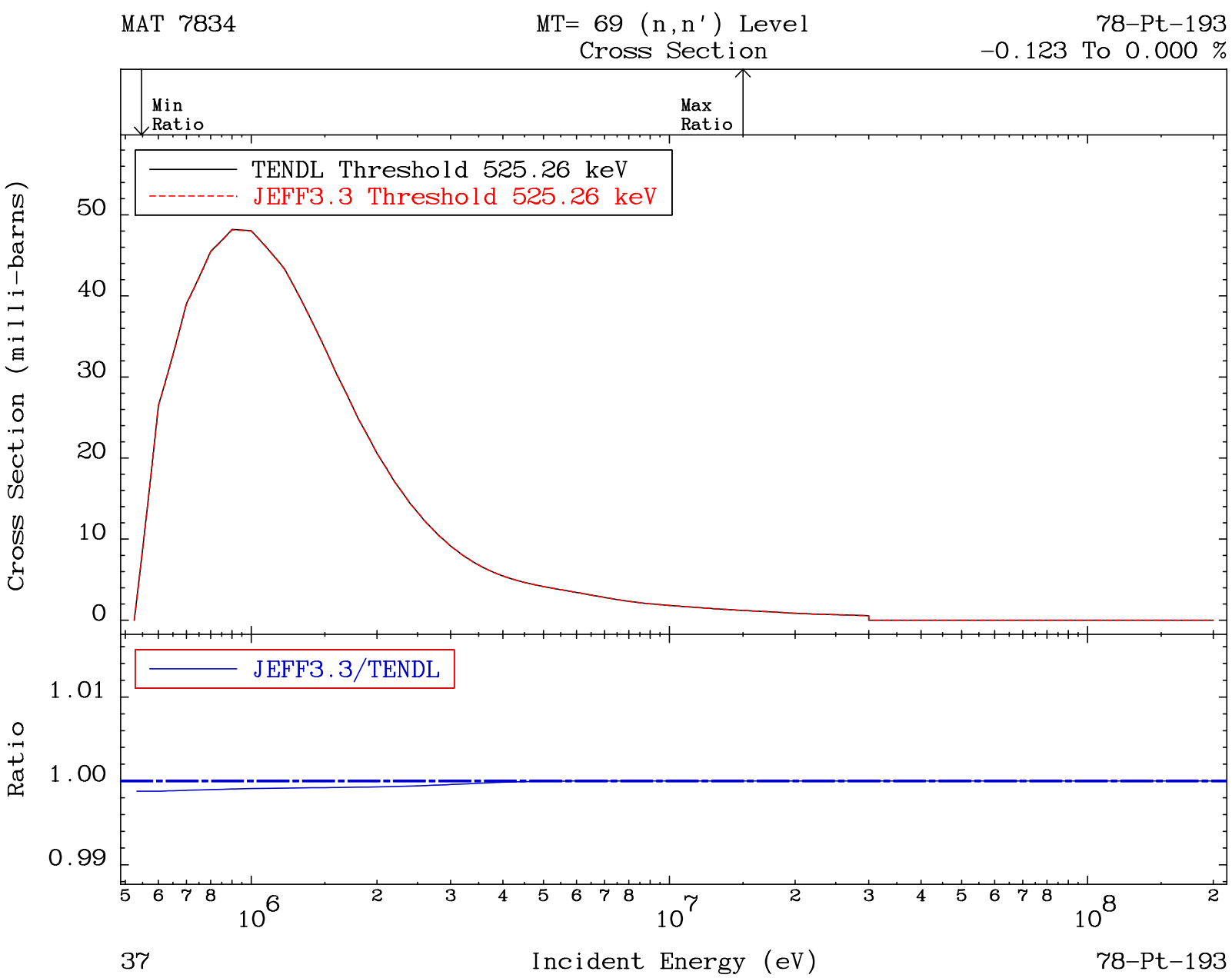

MAT 7834
MT= 64 (n,n') Level
Cross Section
78-Pt-193
-0.106 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 441.35 keV
JEFF3.3 Threshold 441.35 keV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
78-Pt-193

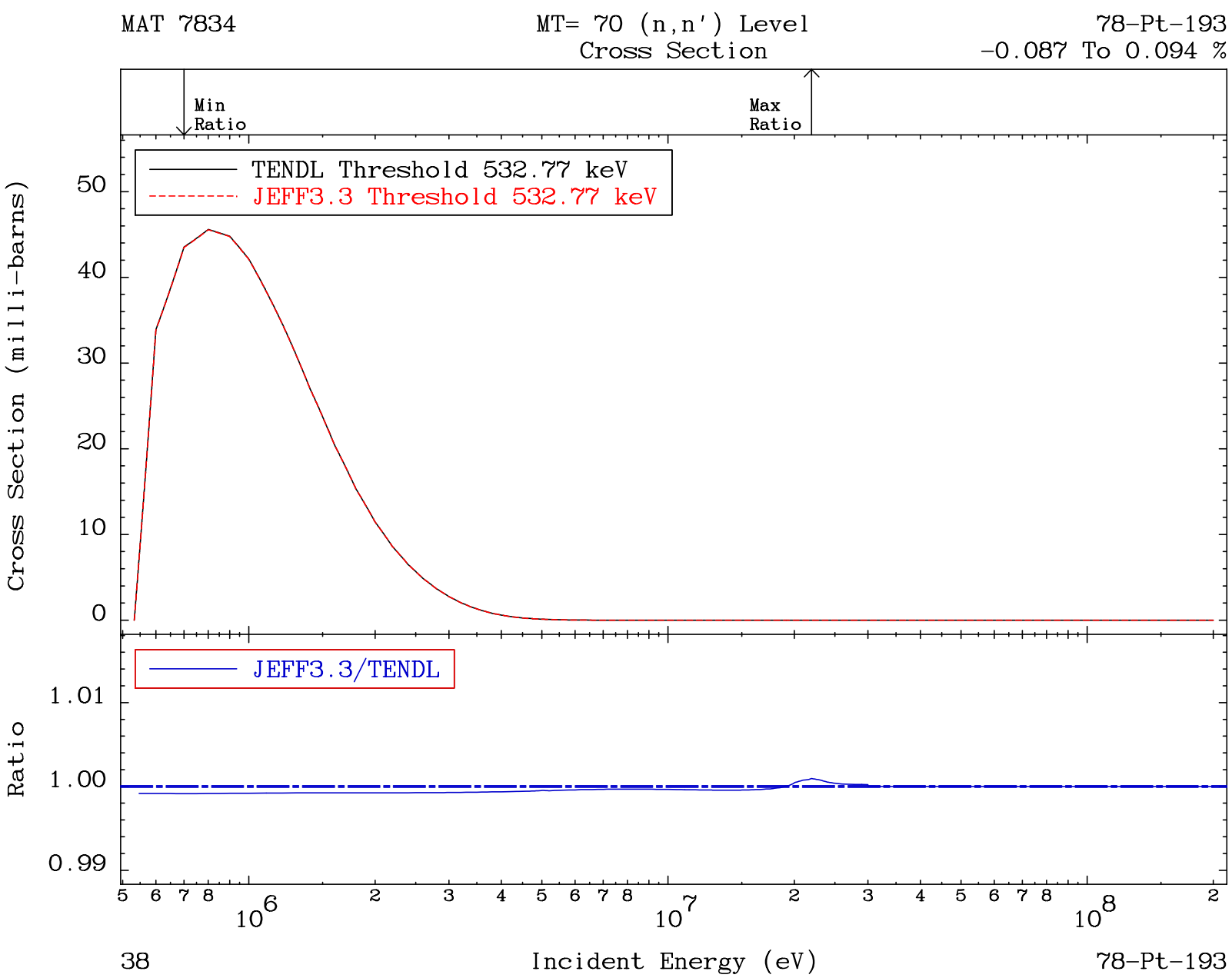

MAT 7834
MT= 65 (n,n') Level
Cross Section
78-Pt-193
-0.199 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 461.40 keV
JEFF3.3 Threshold 461.40 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
78-Pt-193

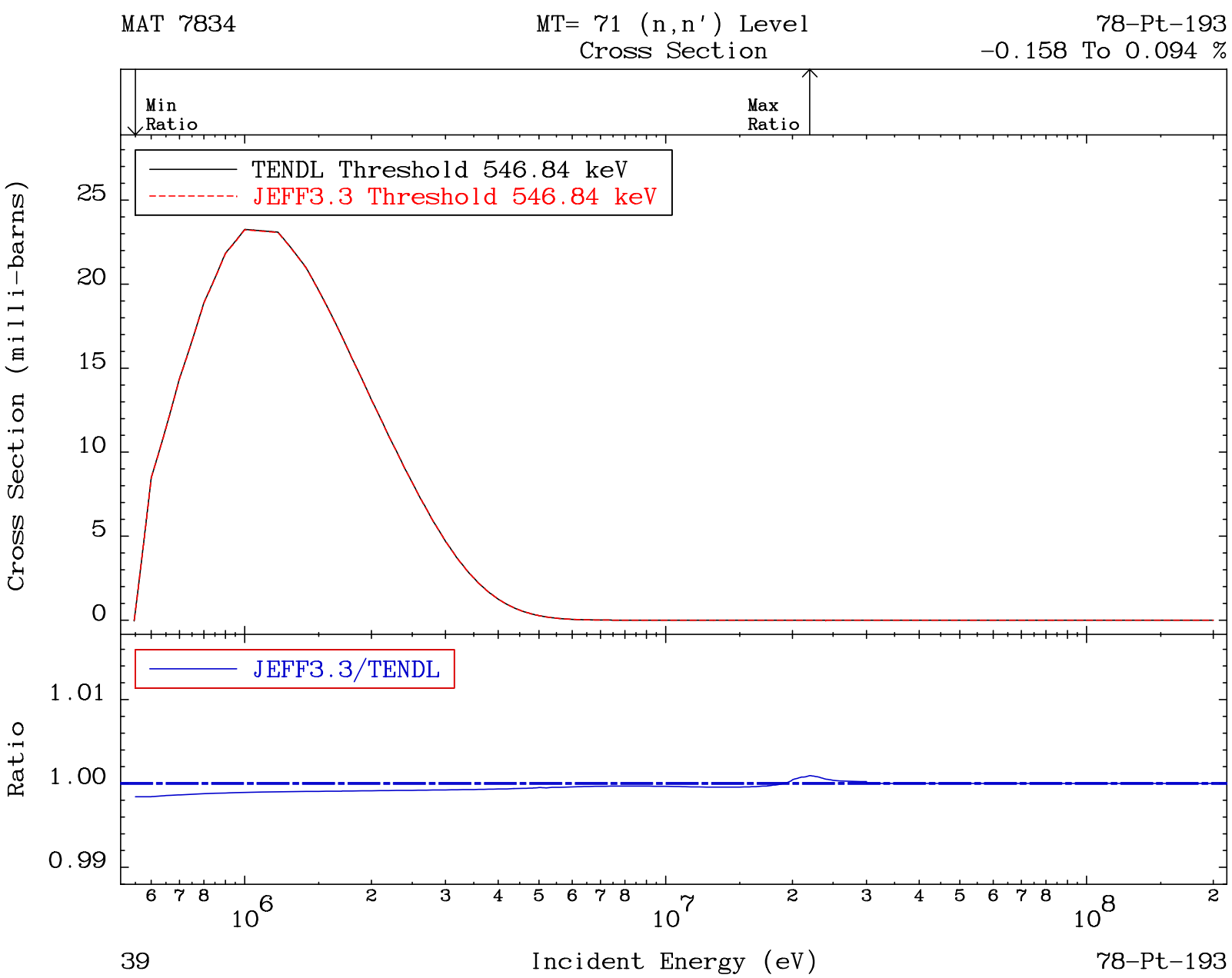

MAT 7834
MT= 66 (n,n') Level
Cross Section
78-Pt-193
-0.900 To 0.095 %
Min
Ratio
Max
Ratio
TENDL Threshold 493.57 keV
JEFF3.3 Threshold 493.57 keV
Cross Section (micro-barns)
180
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
78-Pt-193

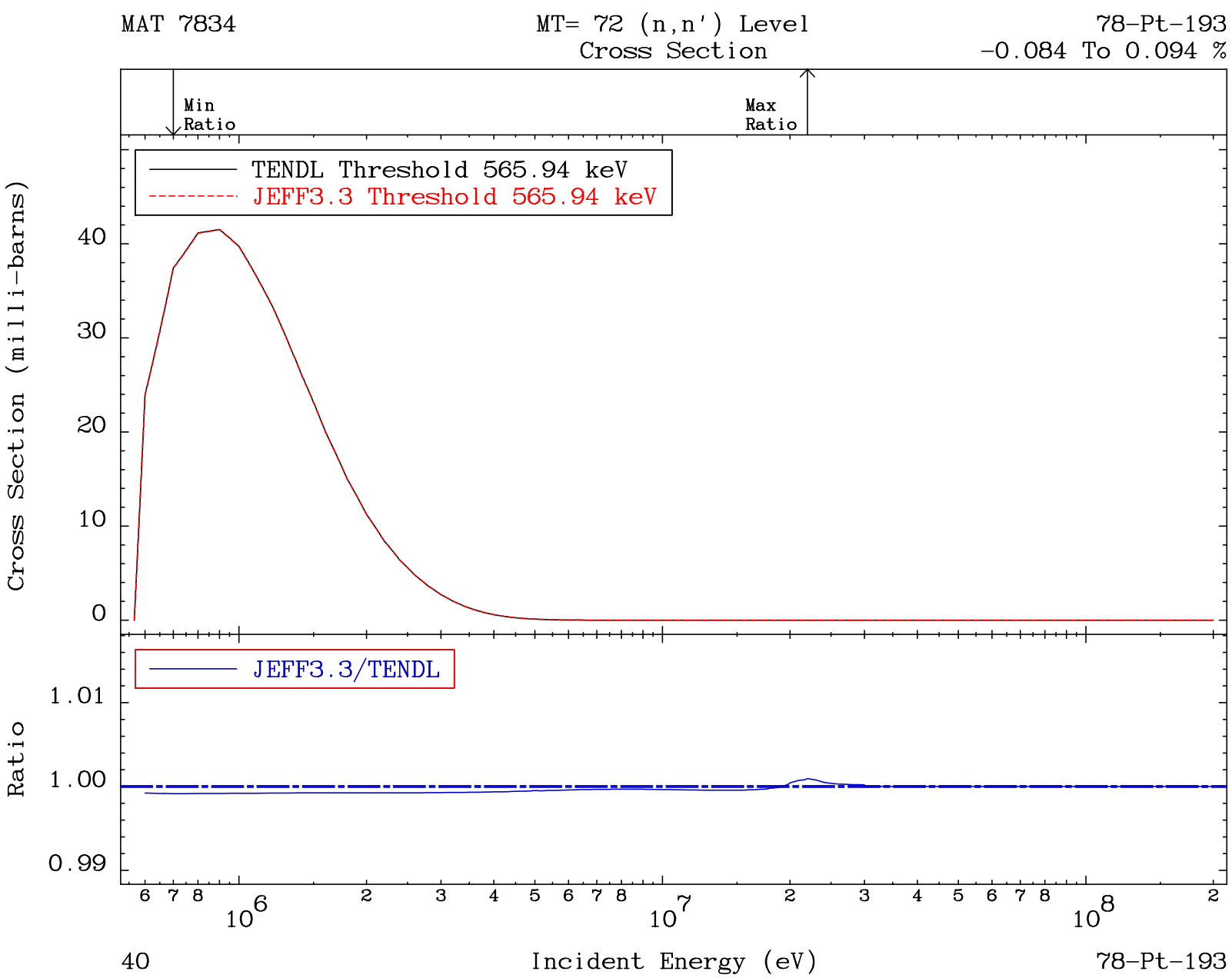

MAT 7834
MT= 67 (n,n') Level
Cross Section
78-Pt-193
-0.124 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 508.06 keV
JEFF3.3 Threshold 508.06 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
78-Pt-193

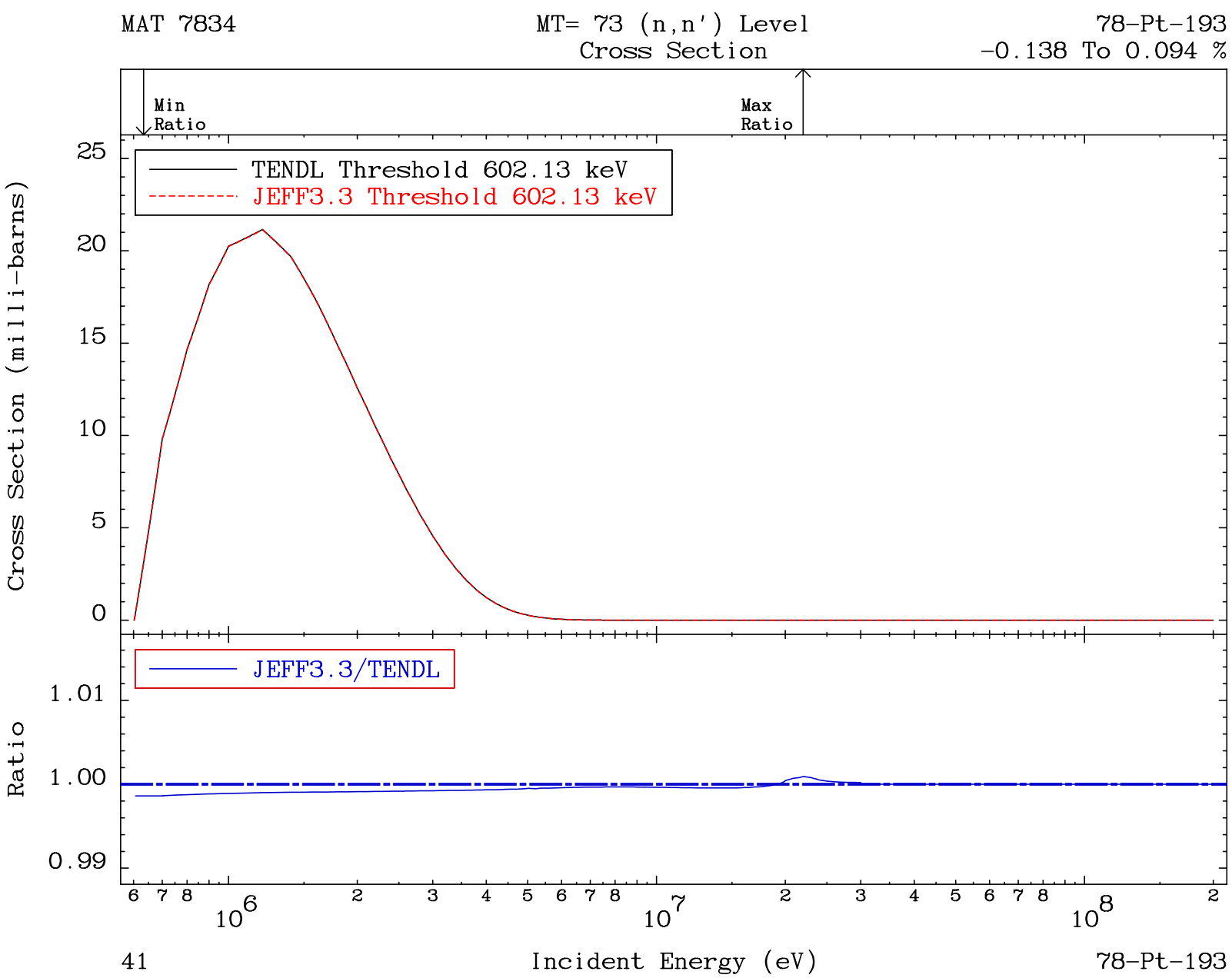

MAT 7834
MT= 68 (n,n') Level
Cross Section
78-Pt-193
-0.580 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 522.32 keV
JEFF3.3 Threshold 522.32 keV
Cross Section (micro-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
78-Pt-193

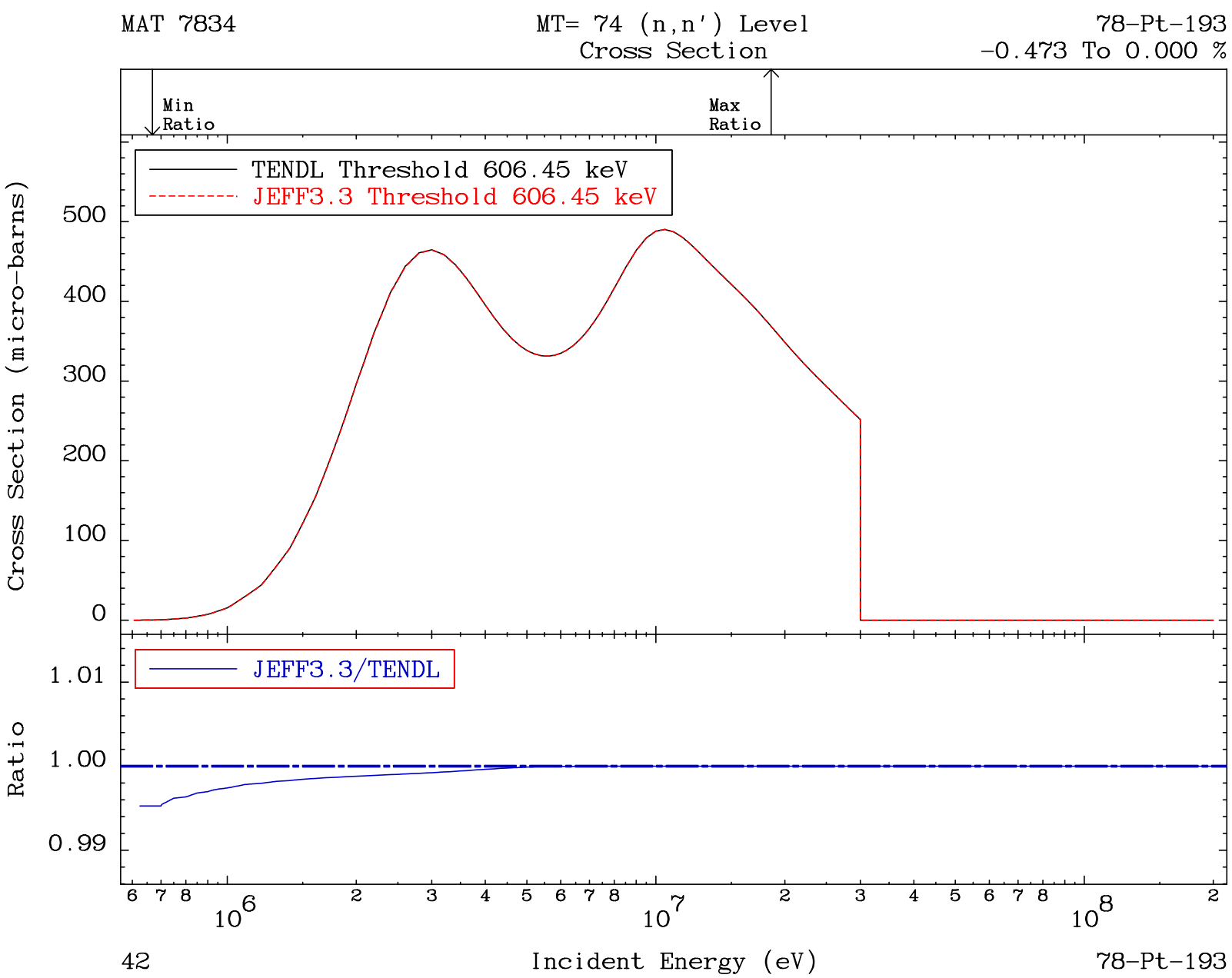

MAT 7834
MT= 69 (n,n') Level
Cross Section
78-Pt-193
-0.123 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 525.26 keV
JEFF3.3 Threshold 525.26 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
78-Pt-193

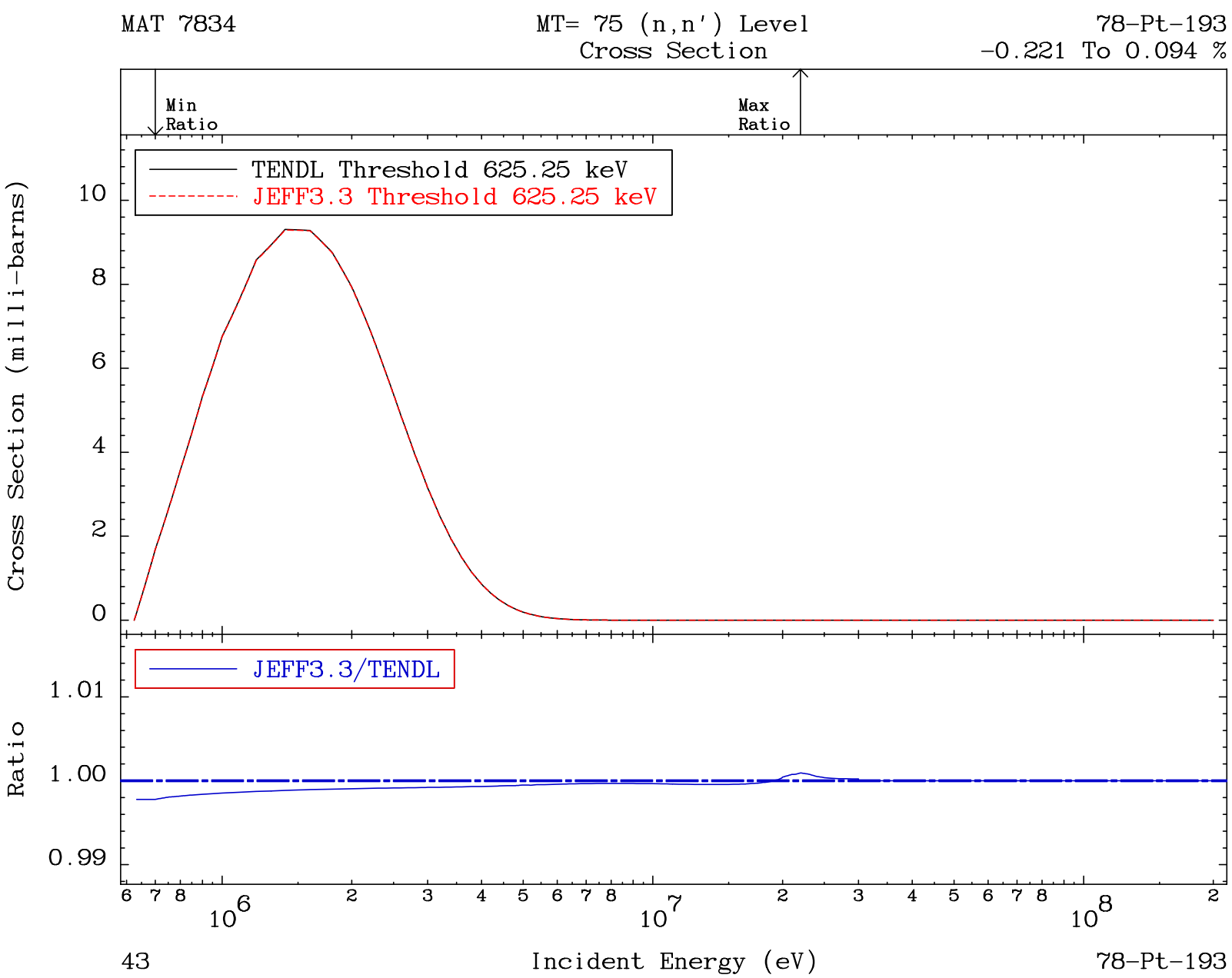

MAT 7834
MT= 70 (n,n') Level
Cross Section
78-Pt-193
-0.087 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 532.77 keV
JEFF3.3 Threshold 532.77 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
78-Pt-193

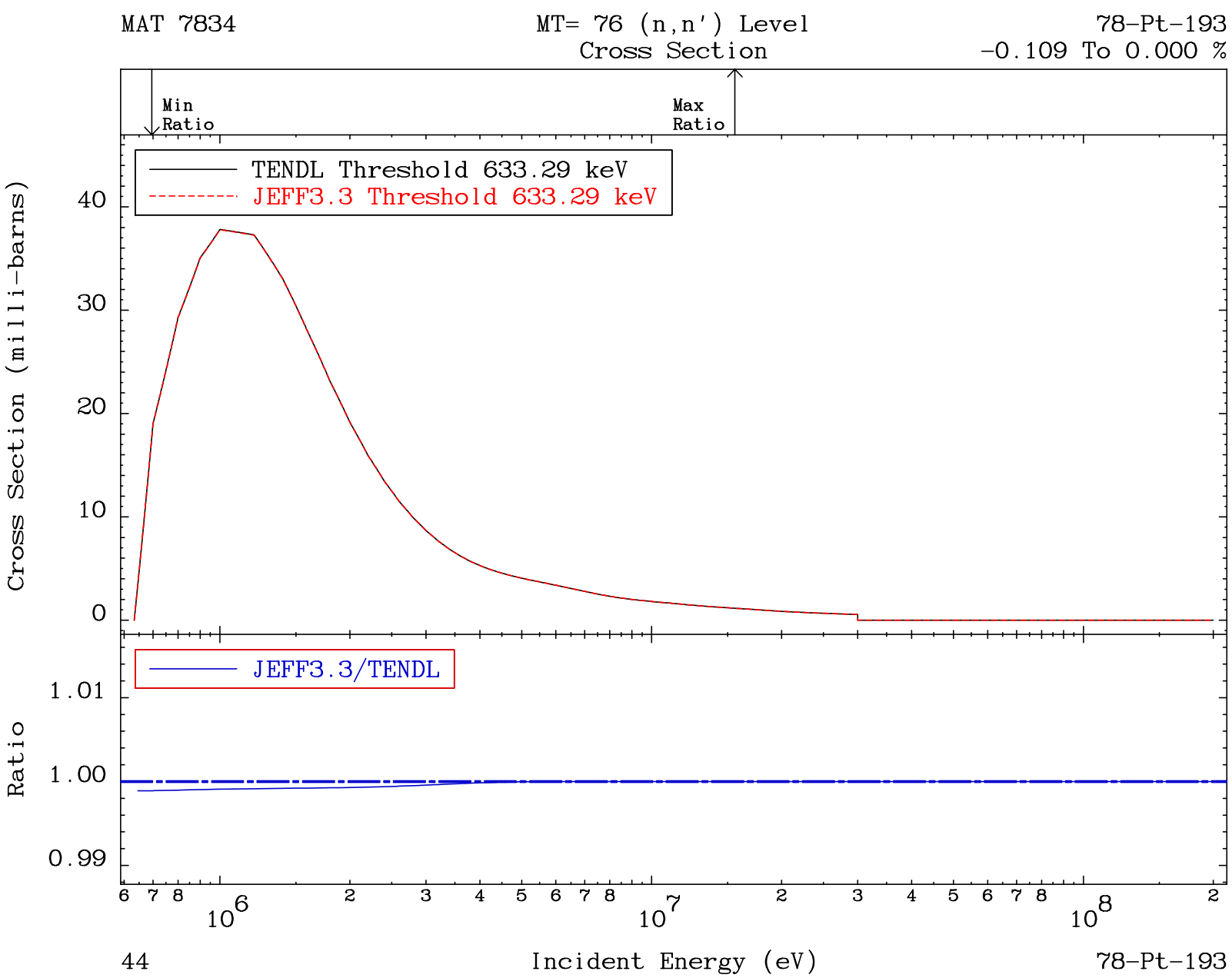

MAT 7834
MT= 71 (n,n') Level
Cross Section
78-Pt-193
-0.158 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 546.84 keV
JEFF3.3 Threshold 546.84 keV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
78-Pt-193

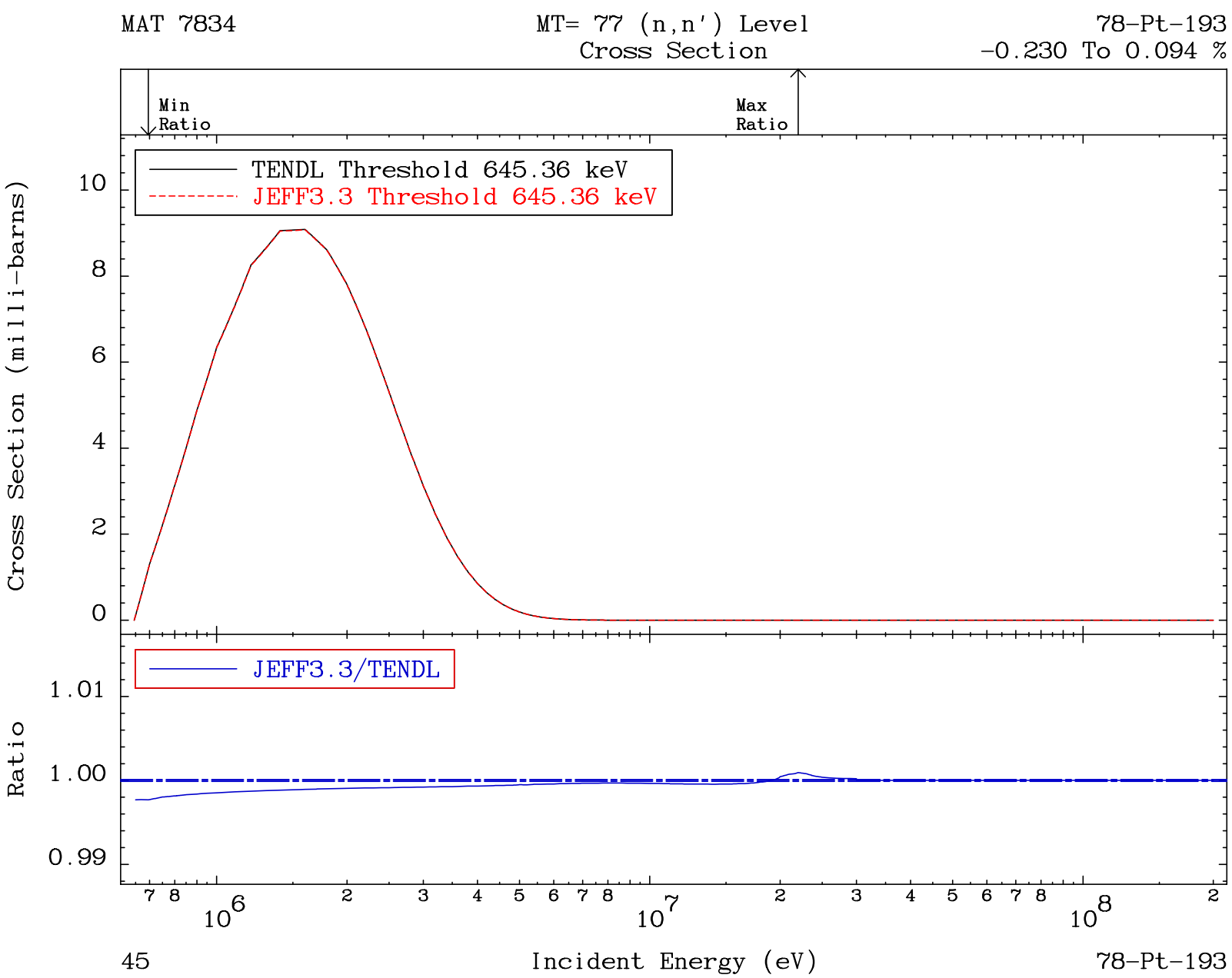

MAT 7834
MT= 72 (n,n') Level
Cross Section
78-Pt-193
-0.084 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 565.94 keV
JEFF3.3 Threshold 565.94 keV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
78-Pt-193

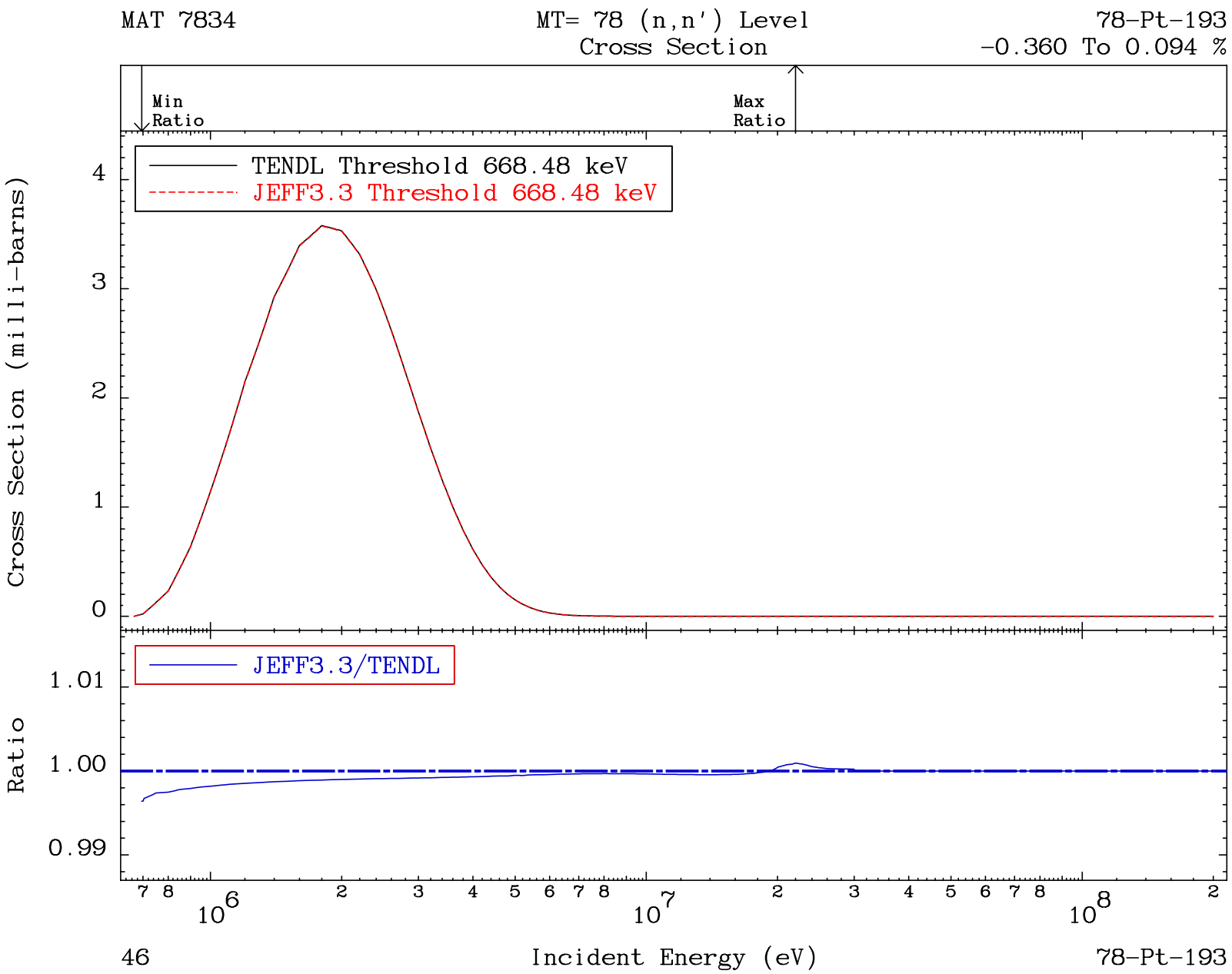

MAT 7834
MT= 73 (n,n') Level
Cross Section
78-Pt-193
-0.138 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 602.13 keV
JEFF3.3 Threshold 602.13 keV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
78-Pt-193

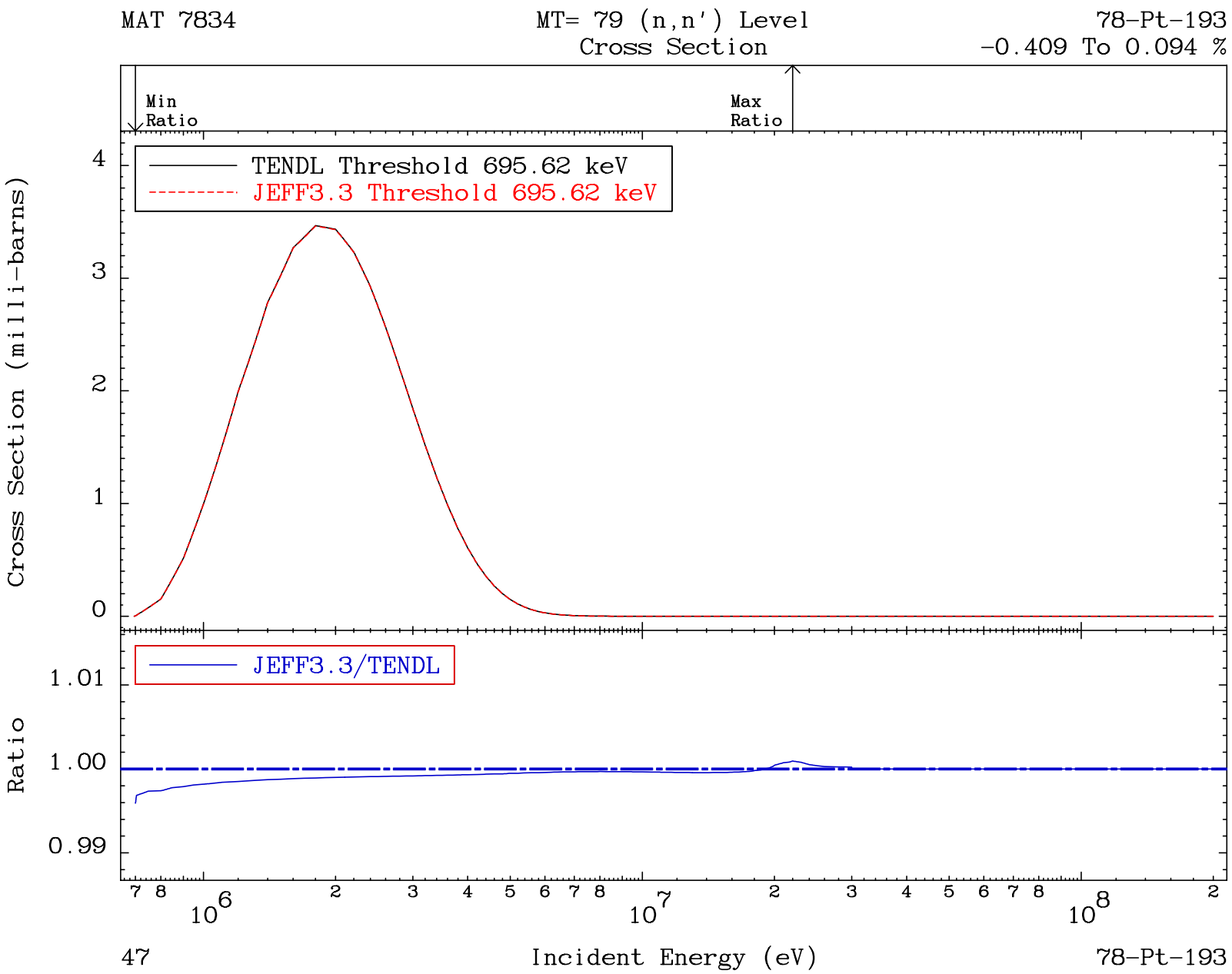

MAT 7834
MT= 74 (n,n') Level
Cross Section
78-Pt-193
-0.473 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 606.45 keV
JEFF3.3 Threshold 606.45 keV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
42
Incident Energy (eV)
78-Pt-193

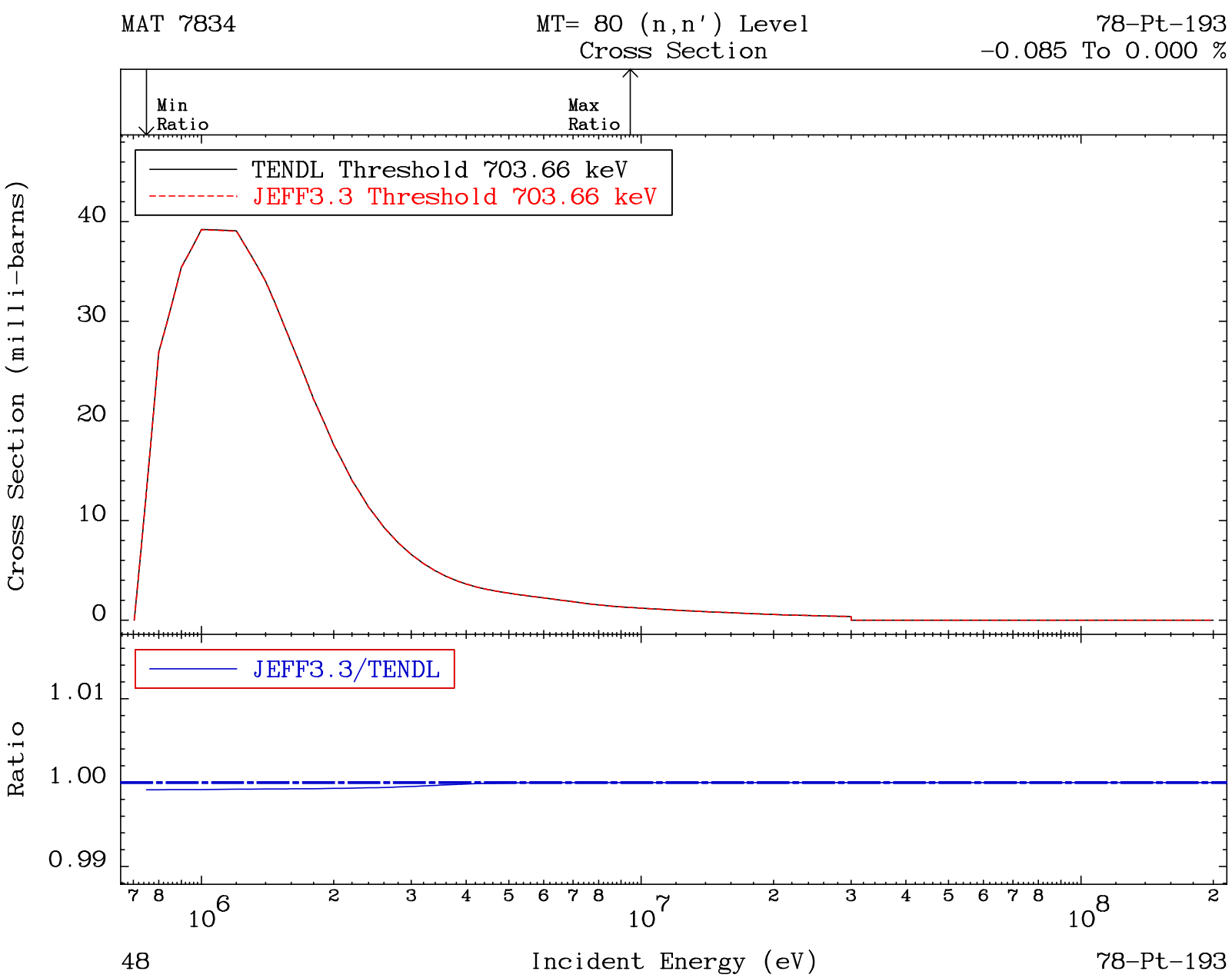

MAT 7834
MT= 75 (n,n') Level
Cross Section
78-Pt-193
-0.221 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 625.25 keV
JEFF3.3 Threshold 625.25 keV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
78-Pt-193

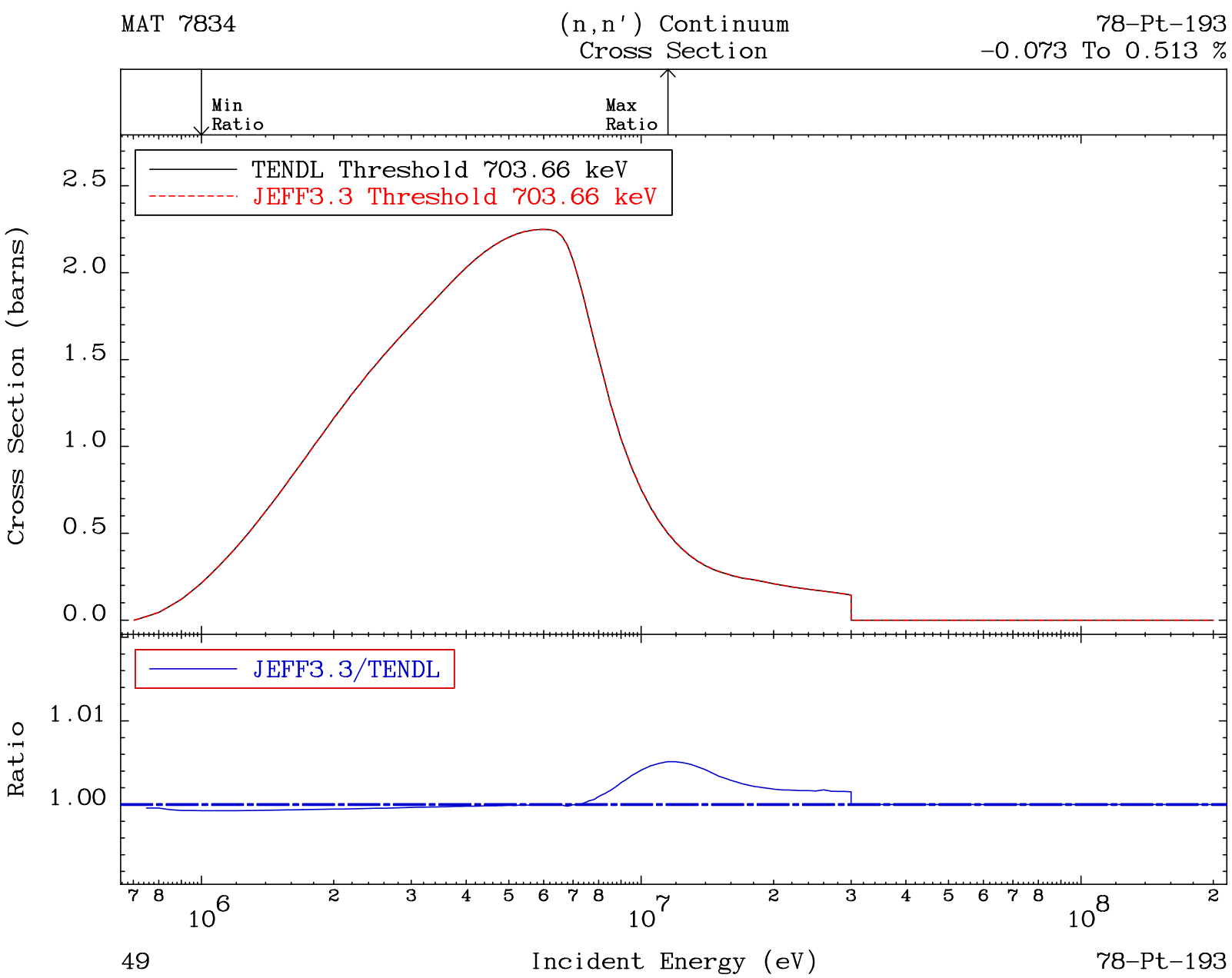

MAT 7834
MT= 76 (n,n') Level
Cross Section
78-Pt-193
-0.109 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 633.29 keV
JEFF3.3 Threshold 633.29 keV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
78-Pt-193

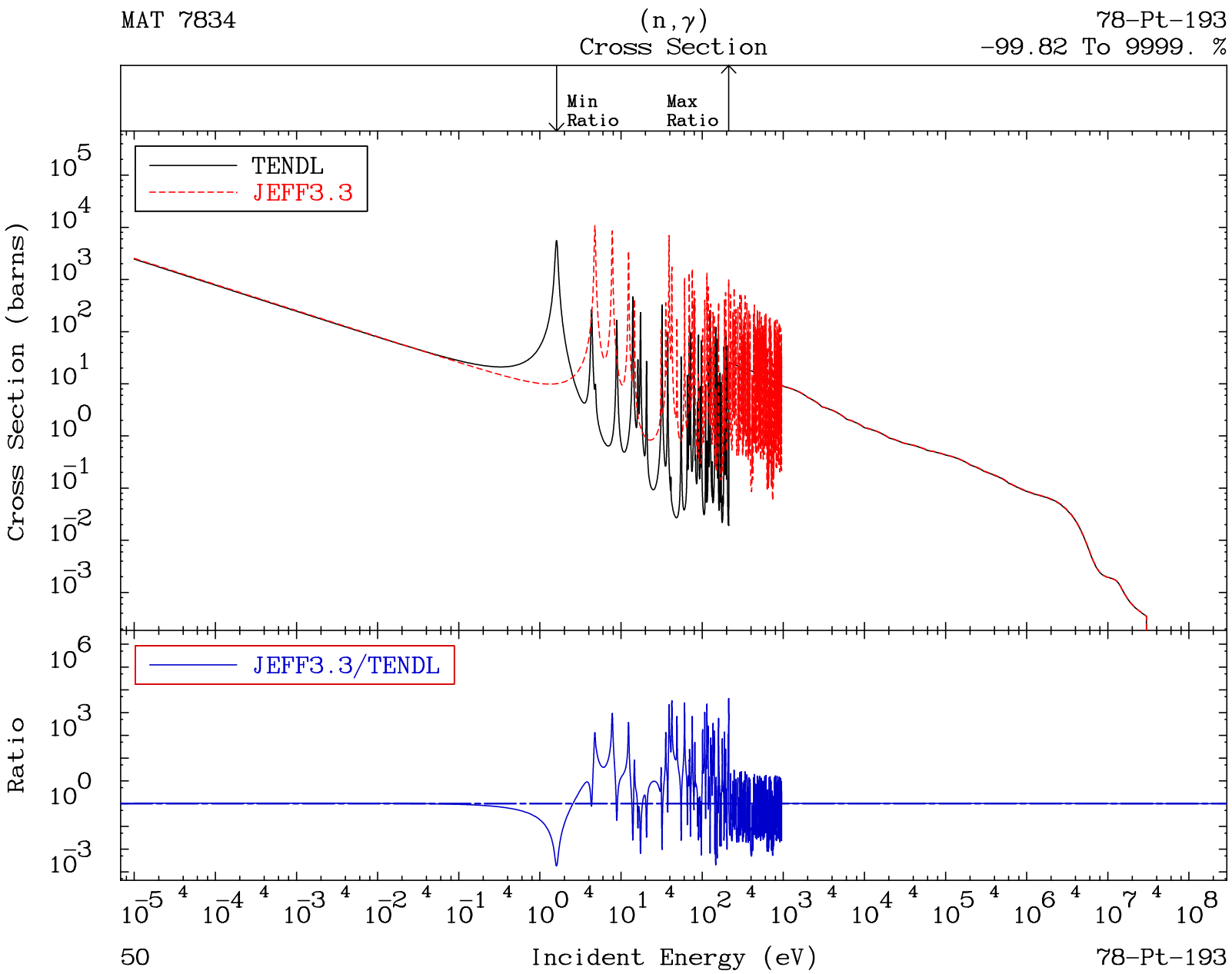

MAT 7834
MT= 77 (n,n') Level
Cross Section
78-Pt-193
-0.230 To 0.094 %
Min Ratio
Max Ratio
TENDL Threshold 645.36 keV
JEFF3.3 Threshold 645.36 keV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
45
78-Pt-193

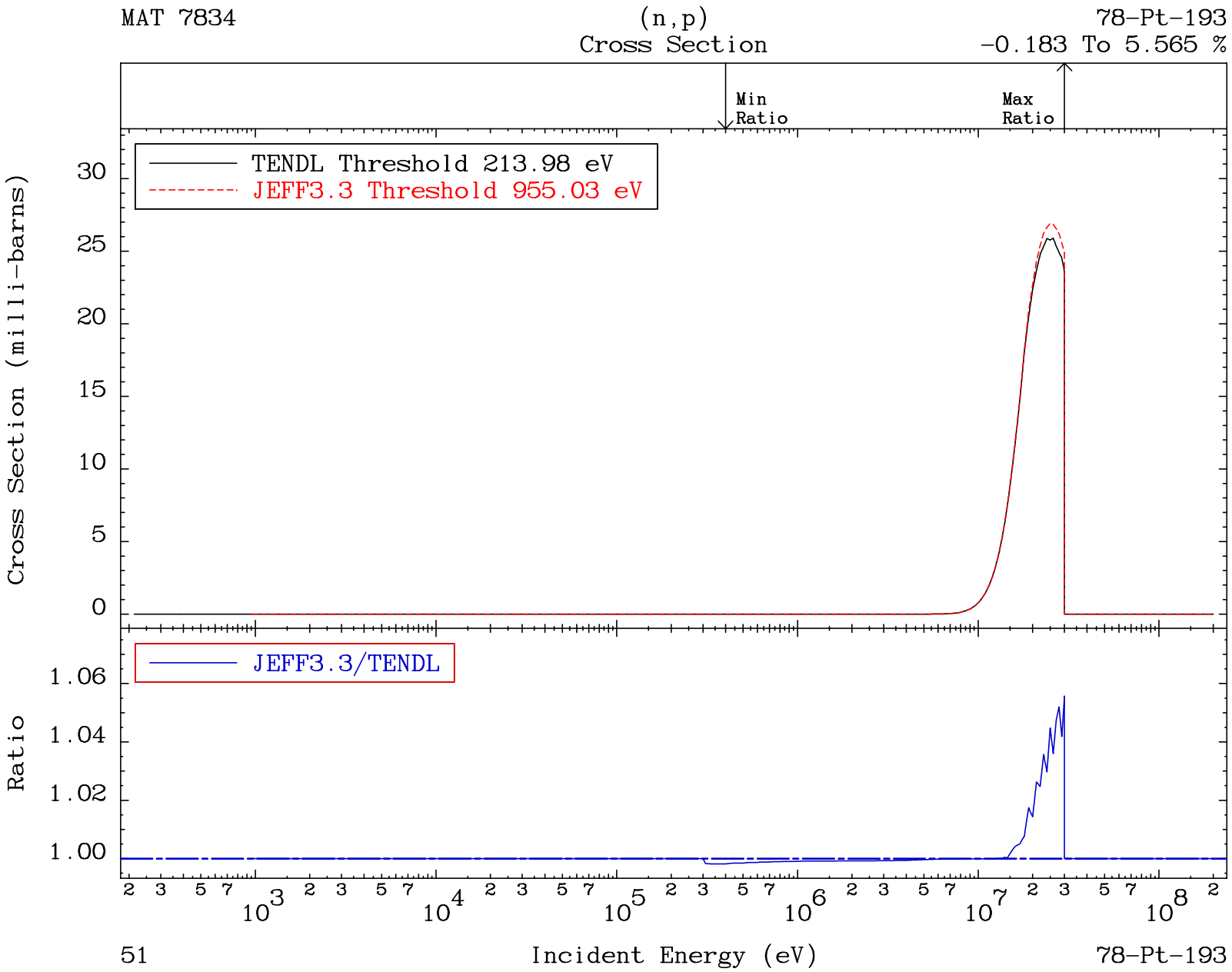

MAT 7834
MT= 78 (n,n') Level
Cross Section
78-Pt-193
-0.360 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 668.48 keV
JEFF3.3 Threshold 668.48 keV
Cross Section (milli-barns)
4
3
2
1
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
46
Incident Energy (eV)
78-Pt-193

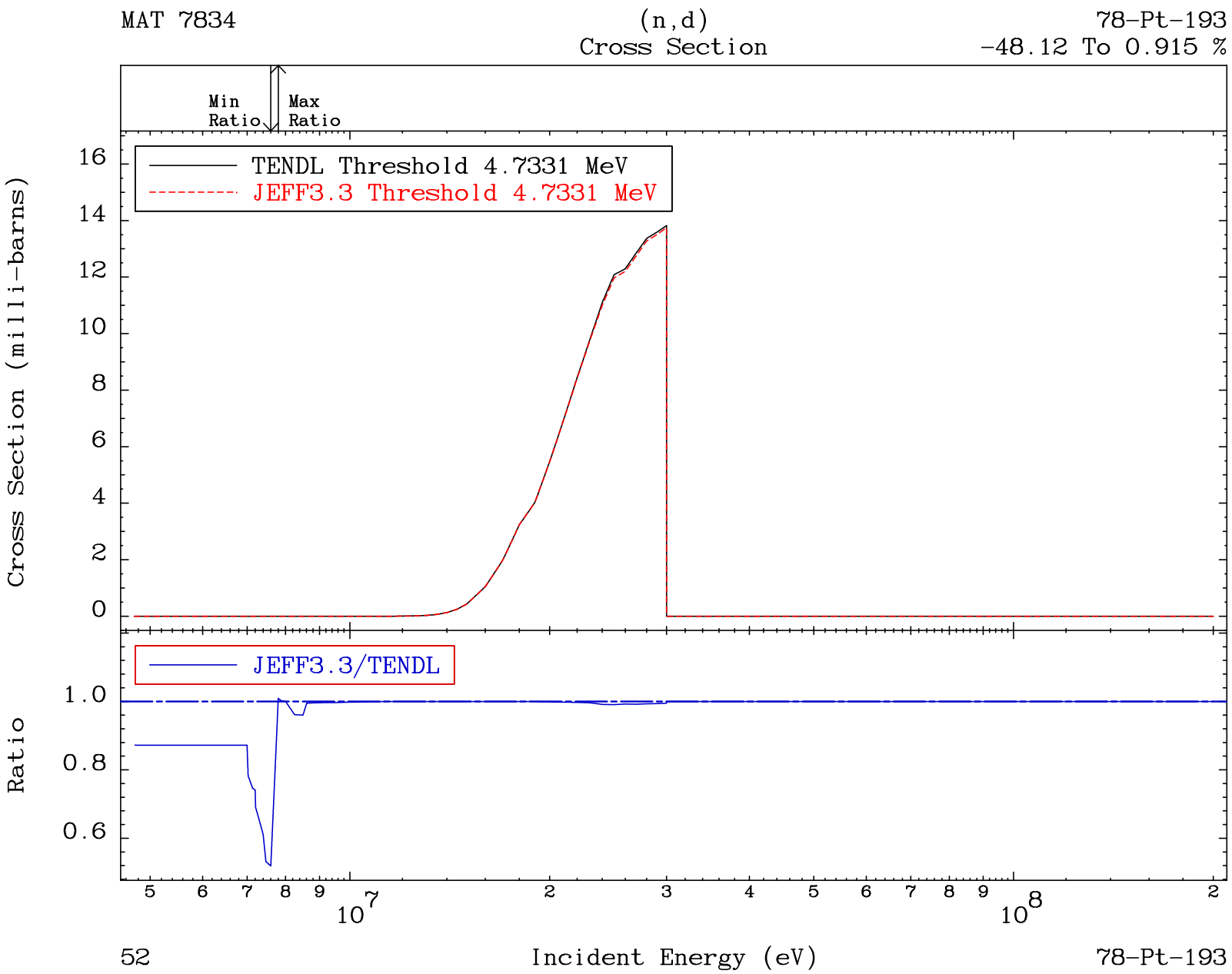

MAT 7834
MT= 79 (n,n') Level
Cross Section
78-Pt-193
-0.409 To 0.094 %
Min
Ratio
Max
Ratio
TENDL Threshold 695.62 keV
JEFF3.3 Threshold 695.62 keV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
47
78-Pt-193

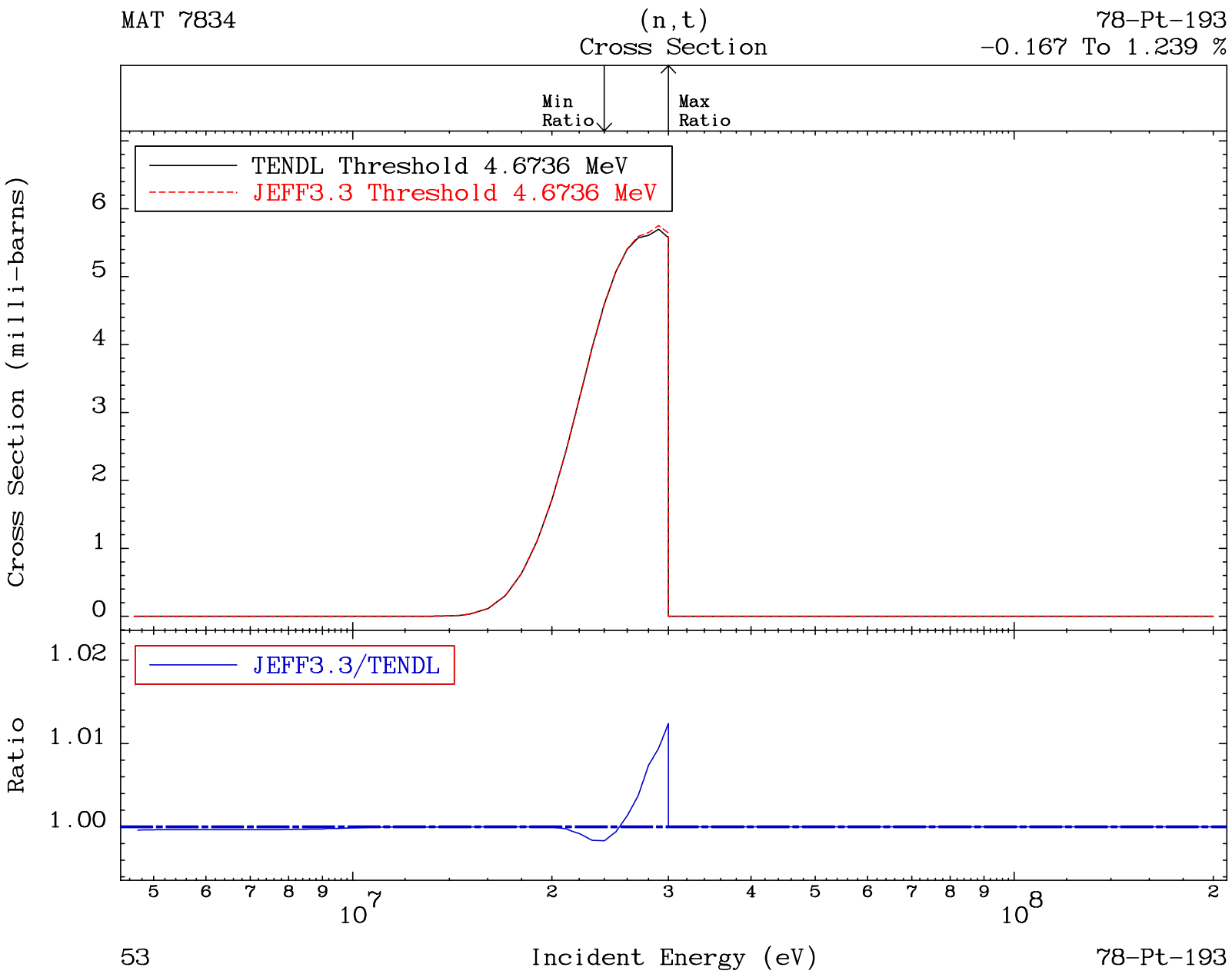

MAT 7834
MT= 80 (n,n') Level
Cross Section
78-Pt-193
-0.085 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 703.66 keV
JEFF3.3 Threshold 703.66 keV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
78-Pt-193

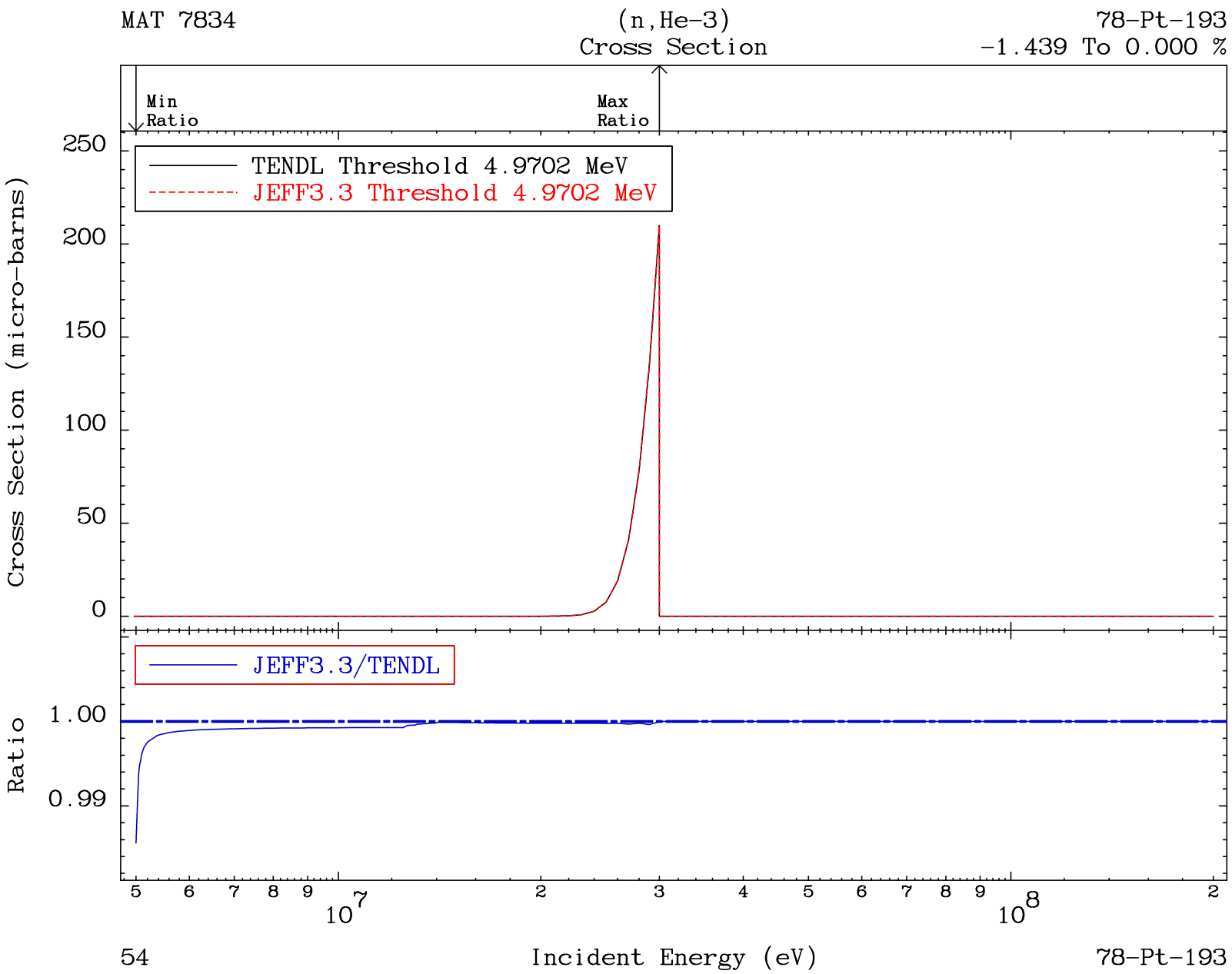

MAT 7834
(n,n') Continuum
Cross Section
78-Pt-193
-0.073 To 0.513 %
Min
Ratio
Max
Ratio
TENDL Threshold 703.66 keV
JEFF3.3 Threshold 703.66 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
78-Pt-193

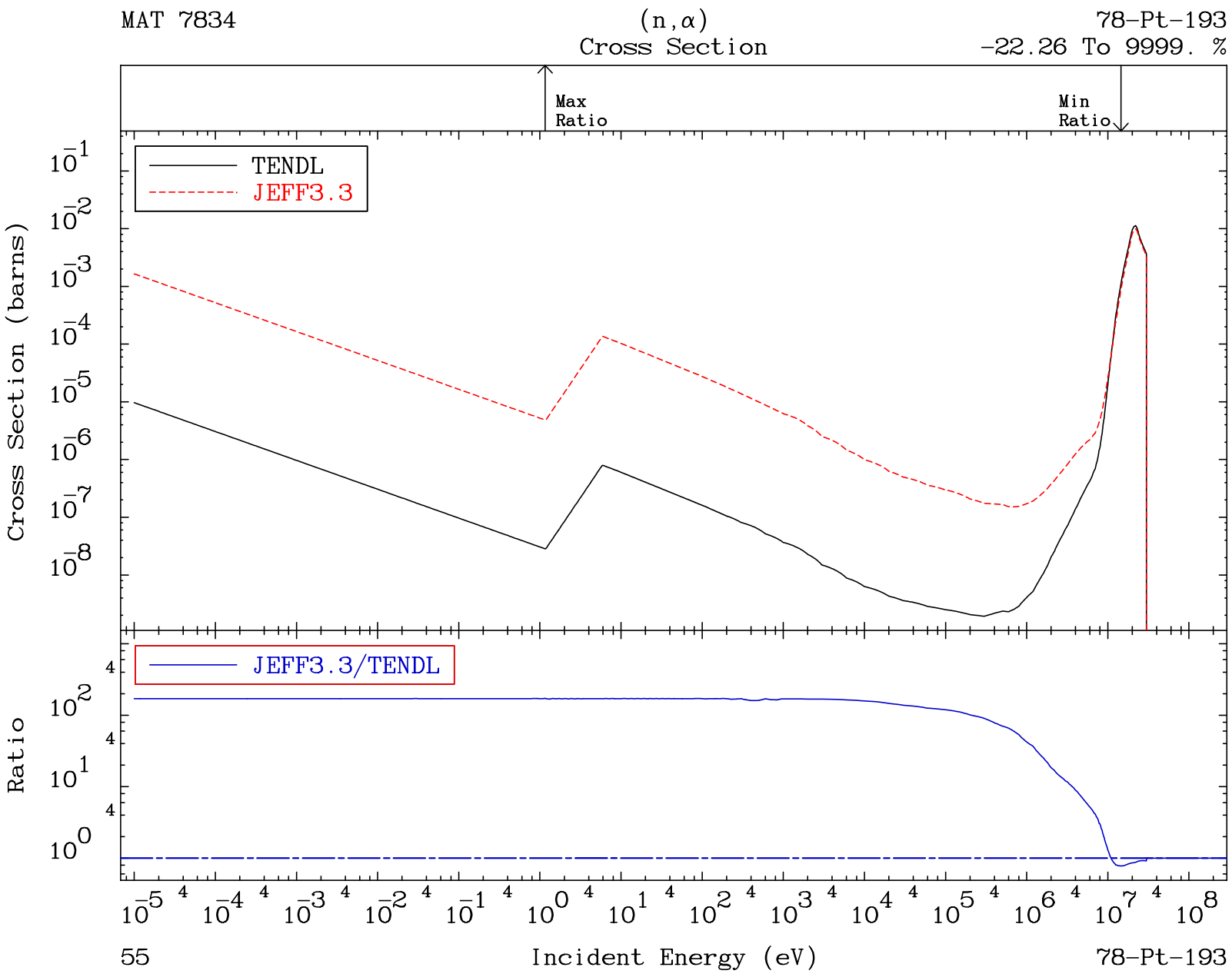

MAT 7834
(n,γ)
Cross Section
78-Pt-193
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
78-Pt-193

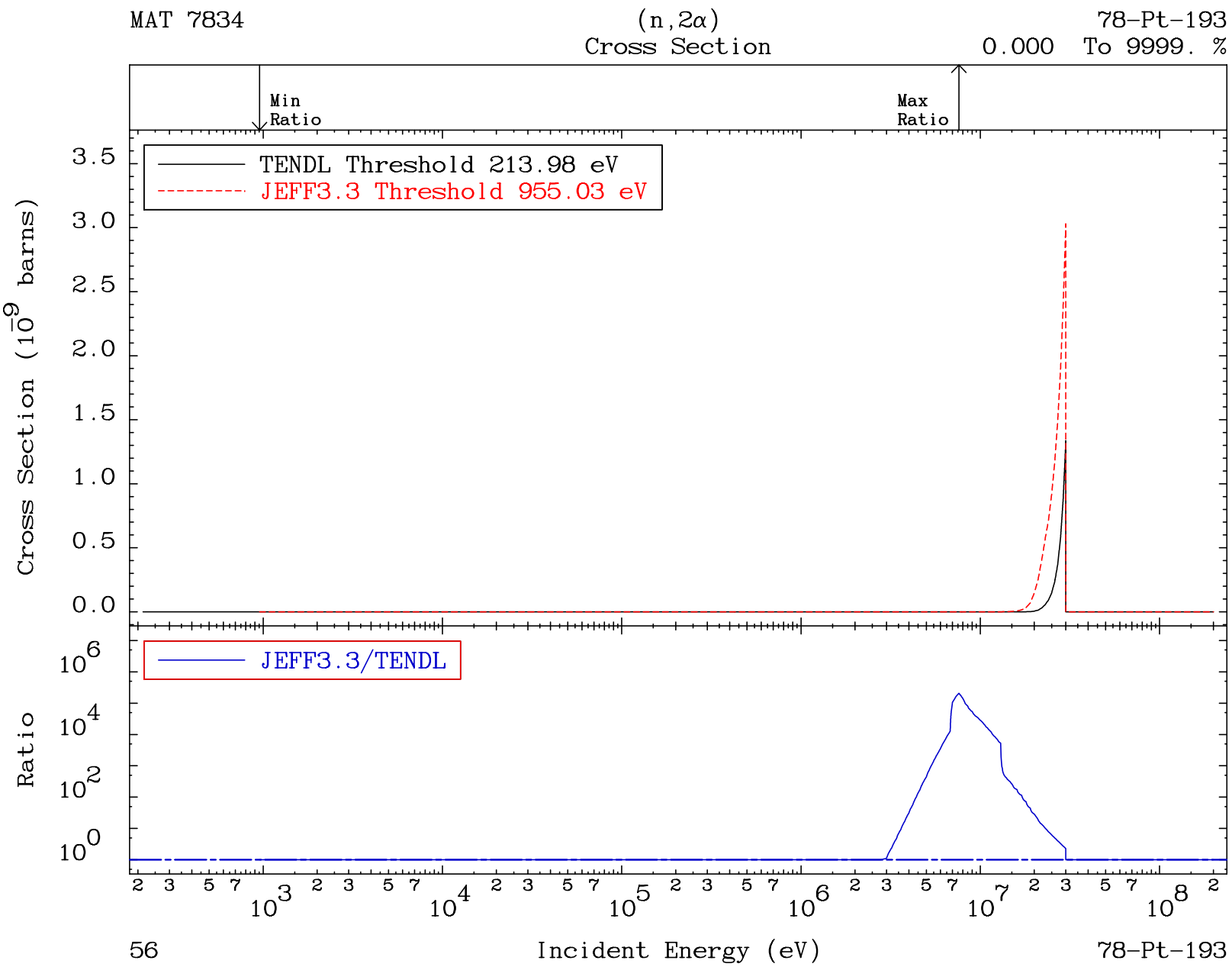

MAT 7834
(n,p)
Cross Section
78-Pt-193
-0.183 To 5.565 %
Min Ratio
Max Ratio
TENDL Threshold 213.98 eV
JEFF3.3 Threshold 955.03 eV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
2 3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
51
Incident Energy (eV)
78-Pt-193

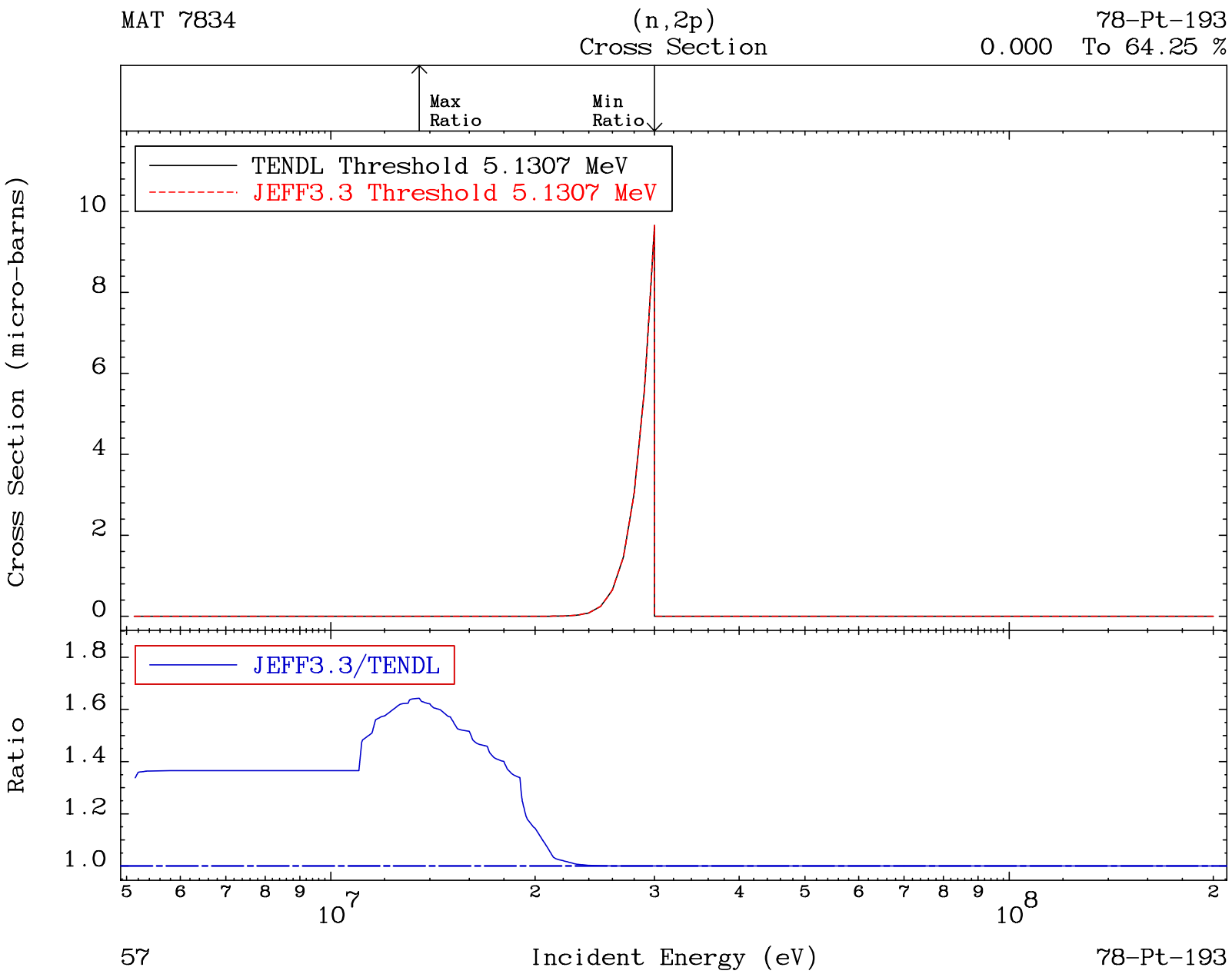

MAT 7834
(n,d)
Cross Section
78-Pt-193
-48.12 To 0.915 %
Min Ratio
Max Ratio
TENDL Threshold 4.7331 MeV
JEFF3.3 Threshold 4.7331 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
78-Pt-193

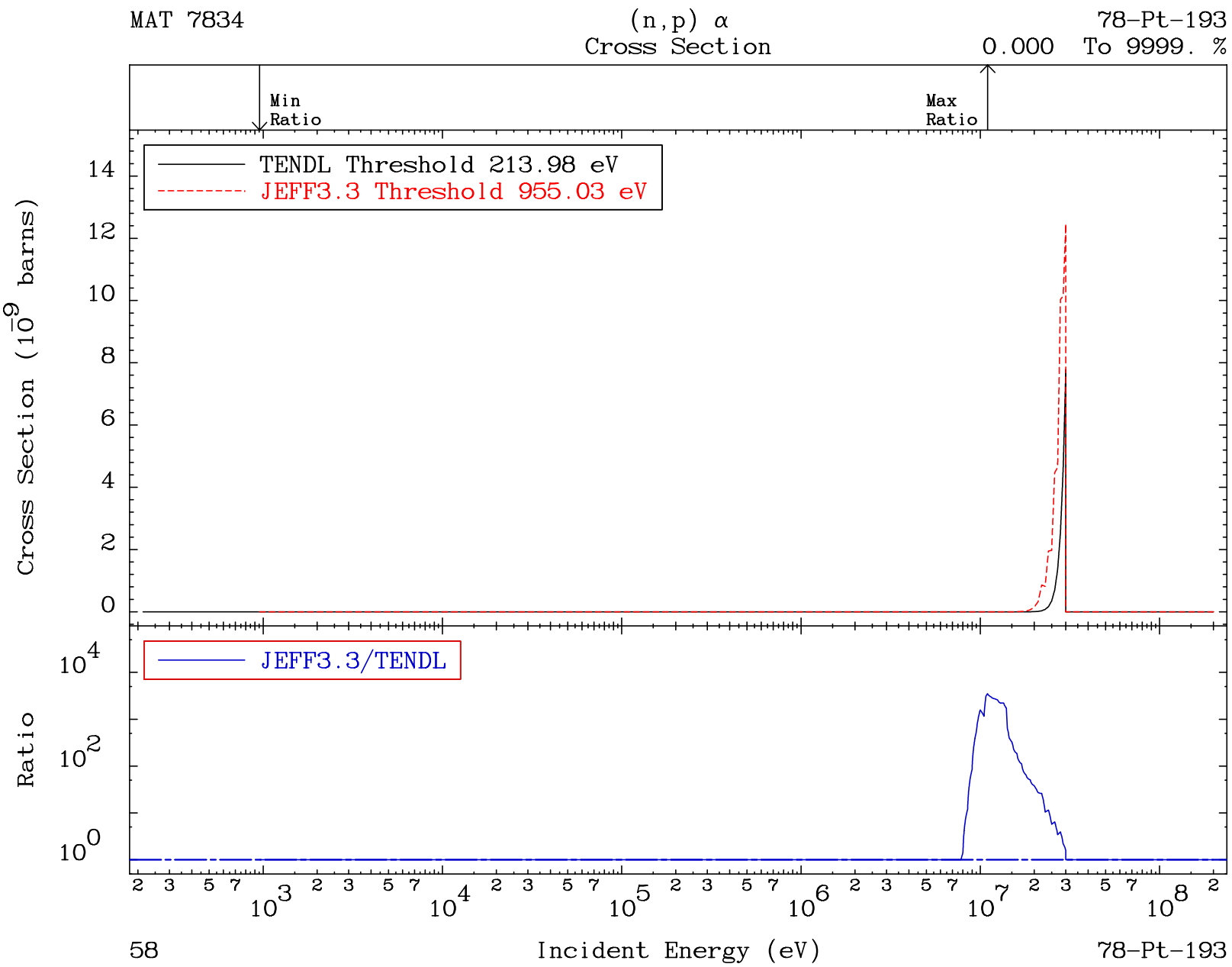

MAT 7834
(n,t)
Cross Section
78-Pt-193
-0.167 To 1.239 %
Min Ratio
Max Ratio
TENDL Threshold 4.6736 MeV
JEFF3.3 Threshold 4.6736 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
78-Pt-193

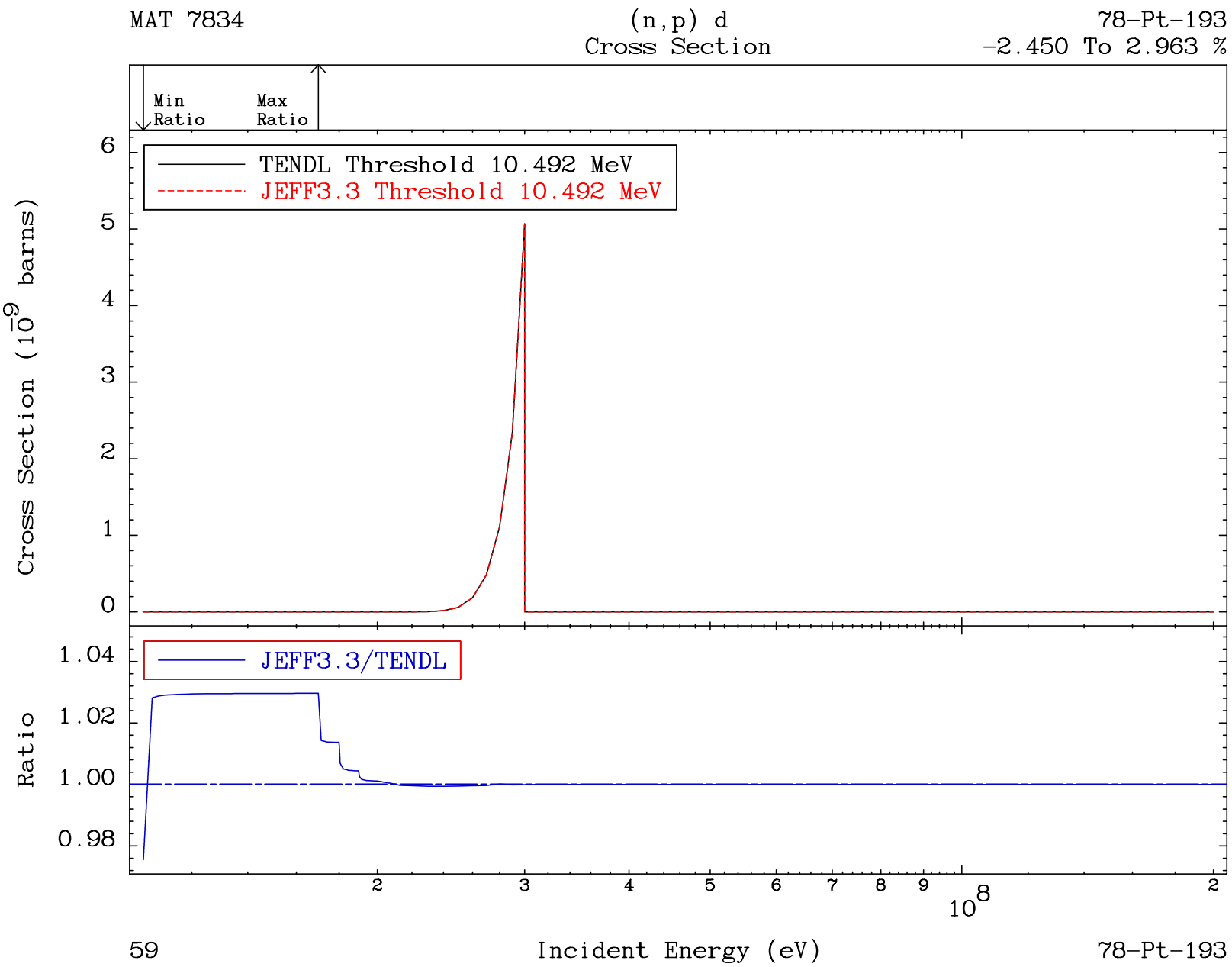

MAT 7834
(n,He-3)
Cross Section
78-Pt-193
-1.439 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JEFF3.3 Threshold 4.9702 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
78-Pt-193

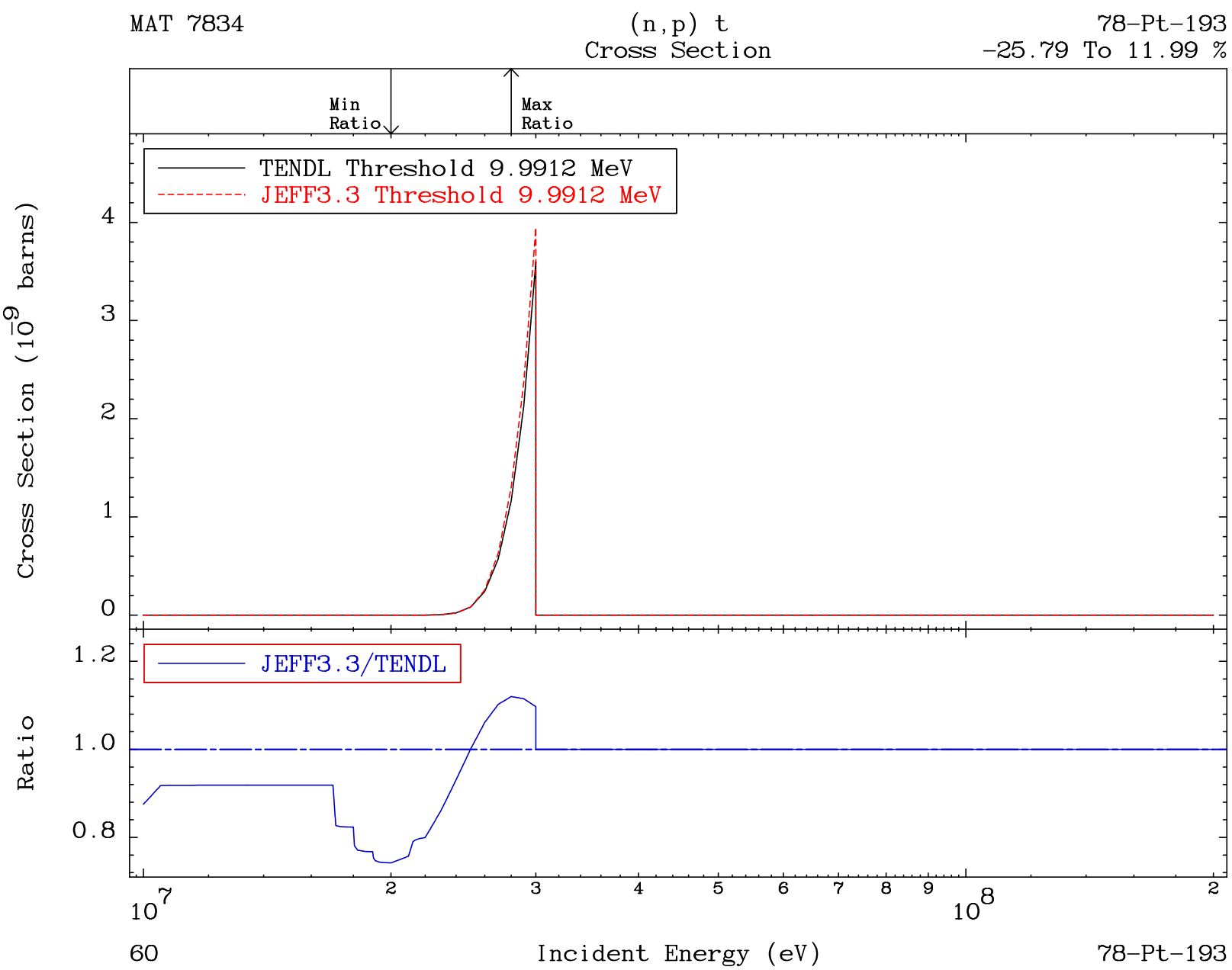

MAT 7834
(n,α)
Cross Section
78-Pt-193
-22.26 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
78-Pt-193

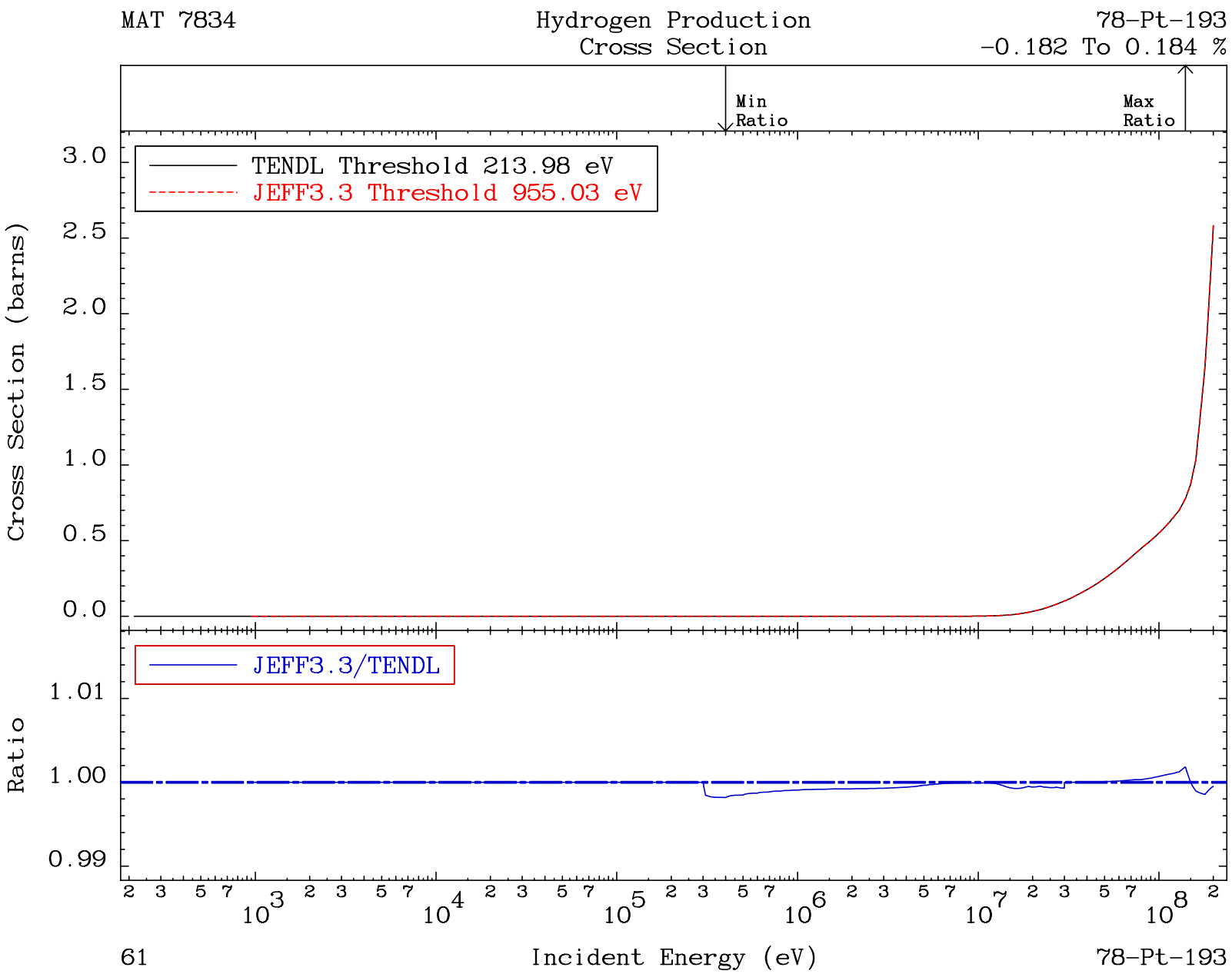

MAT 7834
(n,2α)
Cross Section
78-Pt-193
0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 213.98 eV
JEFF3.3 Threshold 955.03 eV
Cross Section (10^-9 barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
56
Incident Energy (eV)
78-Pt-193

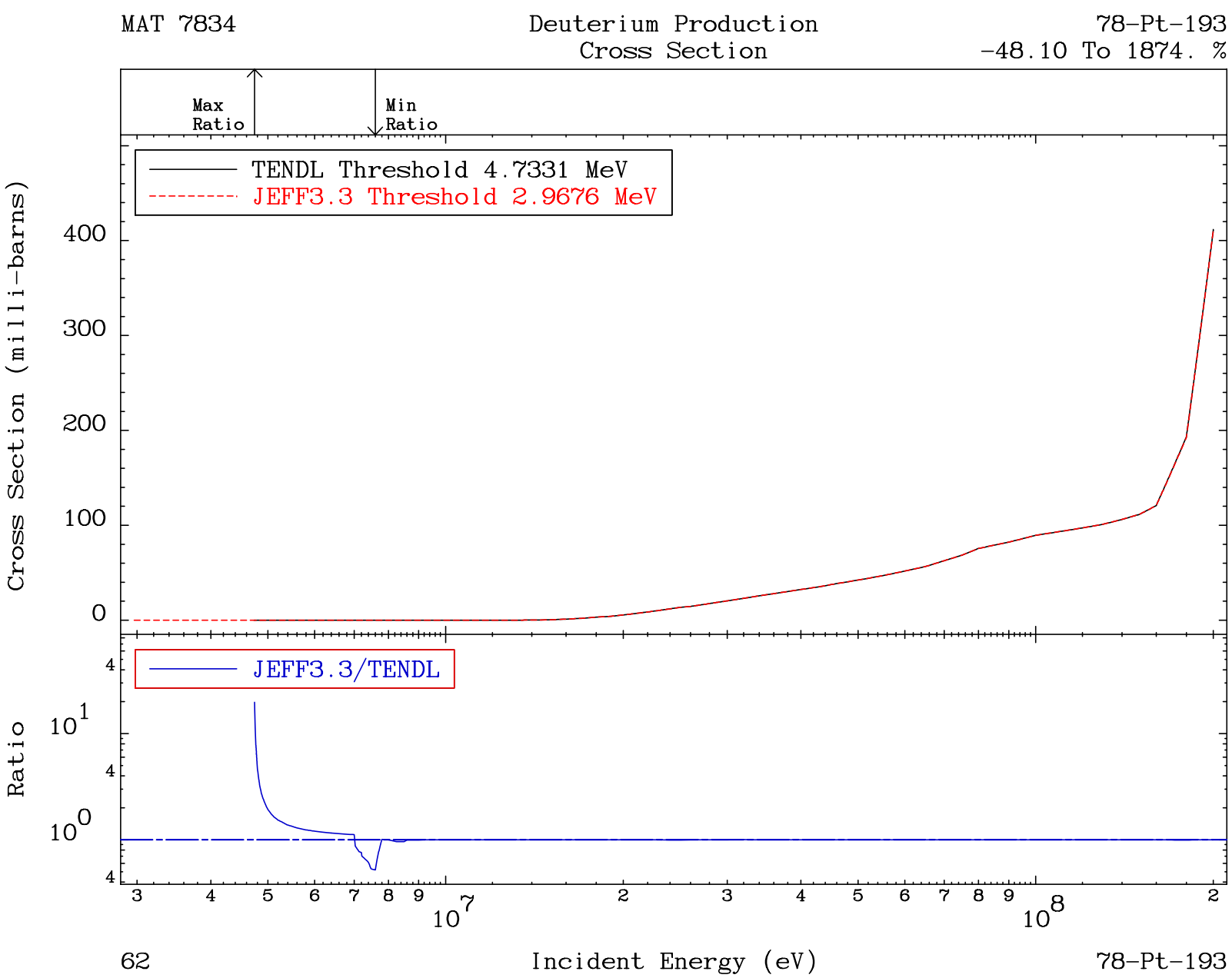

MAT 7834
(n,2p)
Cross Section
78-Pt-193
0.000 To 64.25 %
Max Ratio
Min Ratio
TENDL Threshold 5.1307 MeV
JEFF3.3 Threshold 5.1307 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
78-Pt-193

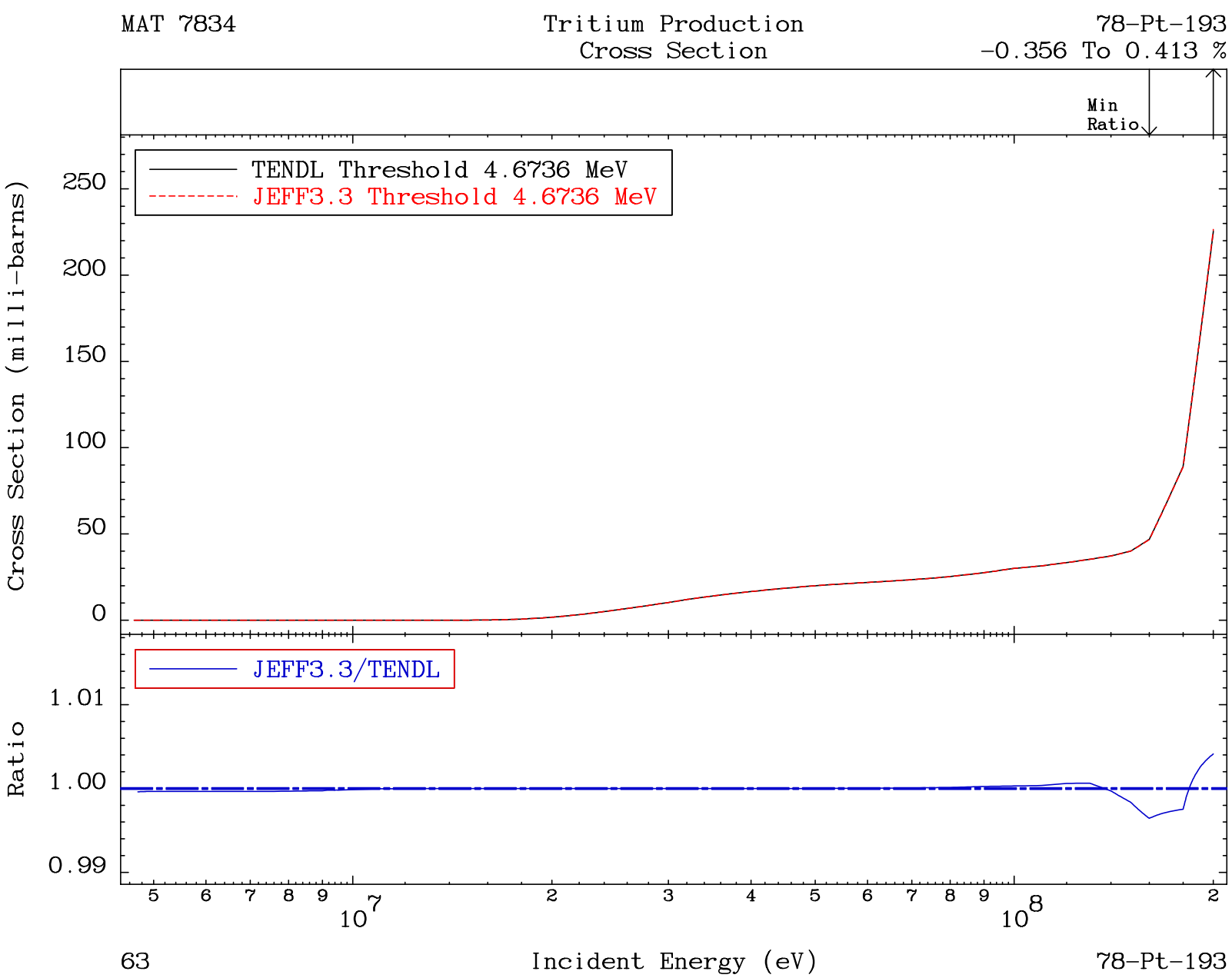

MAT 7834
(n,p) α
Cross Section
78-Pt-193
0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 213.98 eV
JEFF3.3 Threshold 955.03 eV
Cross Section (10^{-9} barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
78-Pt-193

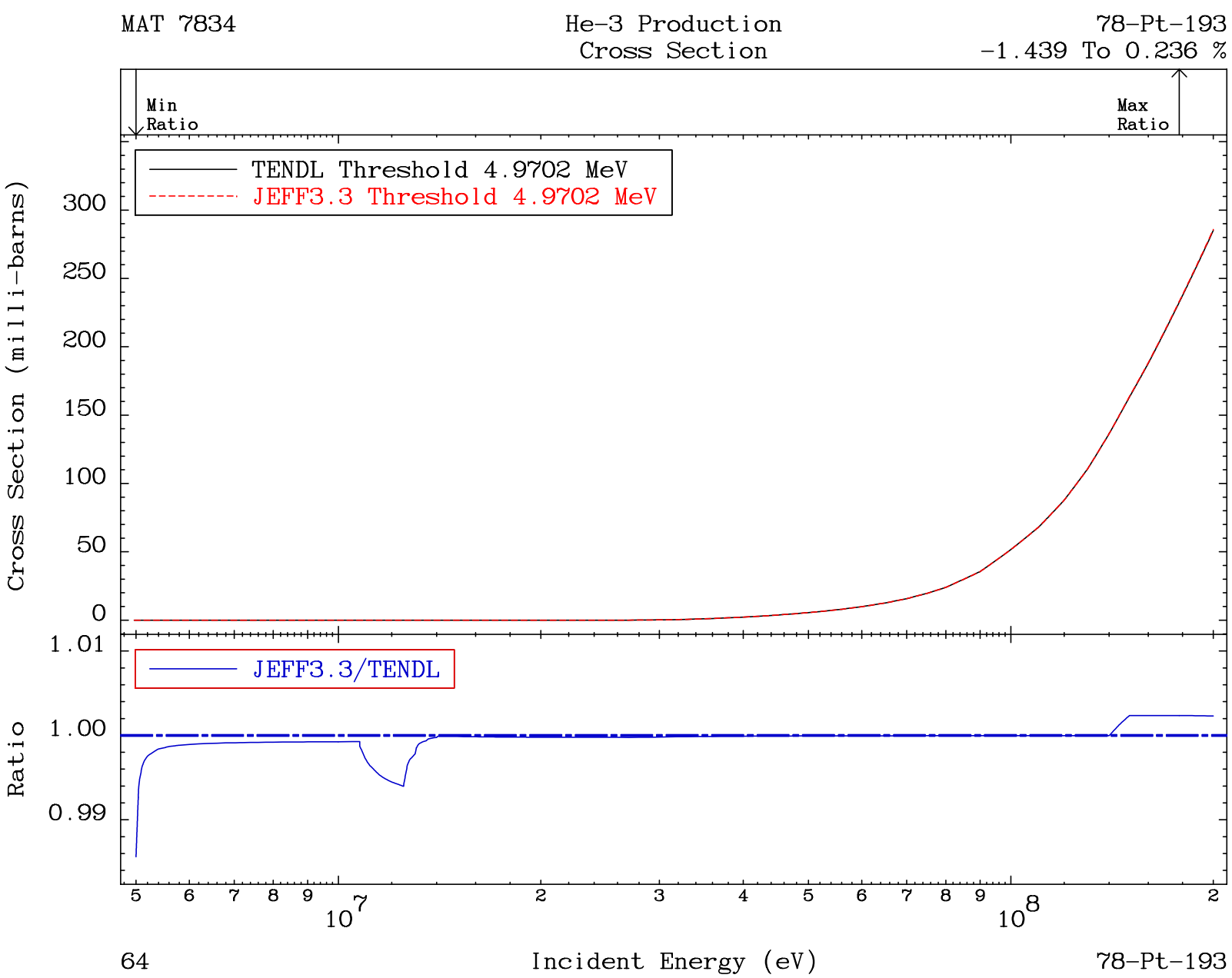

MAT 7834
(n,p) d
Cross Section
78-Pt-193
-2.450 To 2.963 %
Min Ratio
Max Ratio
TENDL Threshold 10.492 MeV
JEFF3.3 Threshold 10.492 MeV
Cross Section (10^{-9} barns)
JEFF3.3/TENDL
Ratio
10^{8}
59
Incident Energy (eV)
78-Pt-193

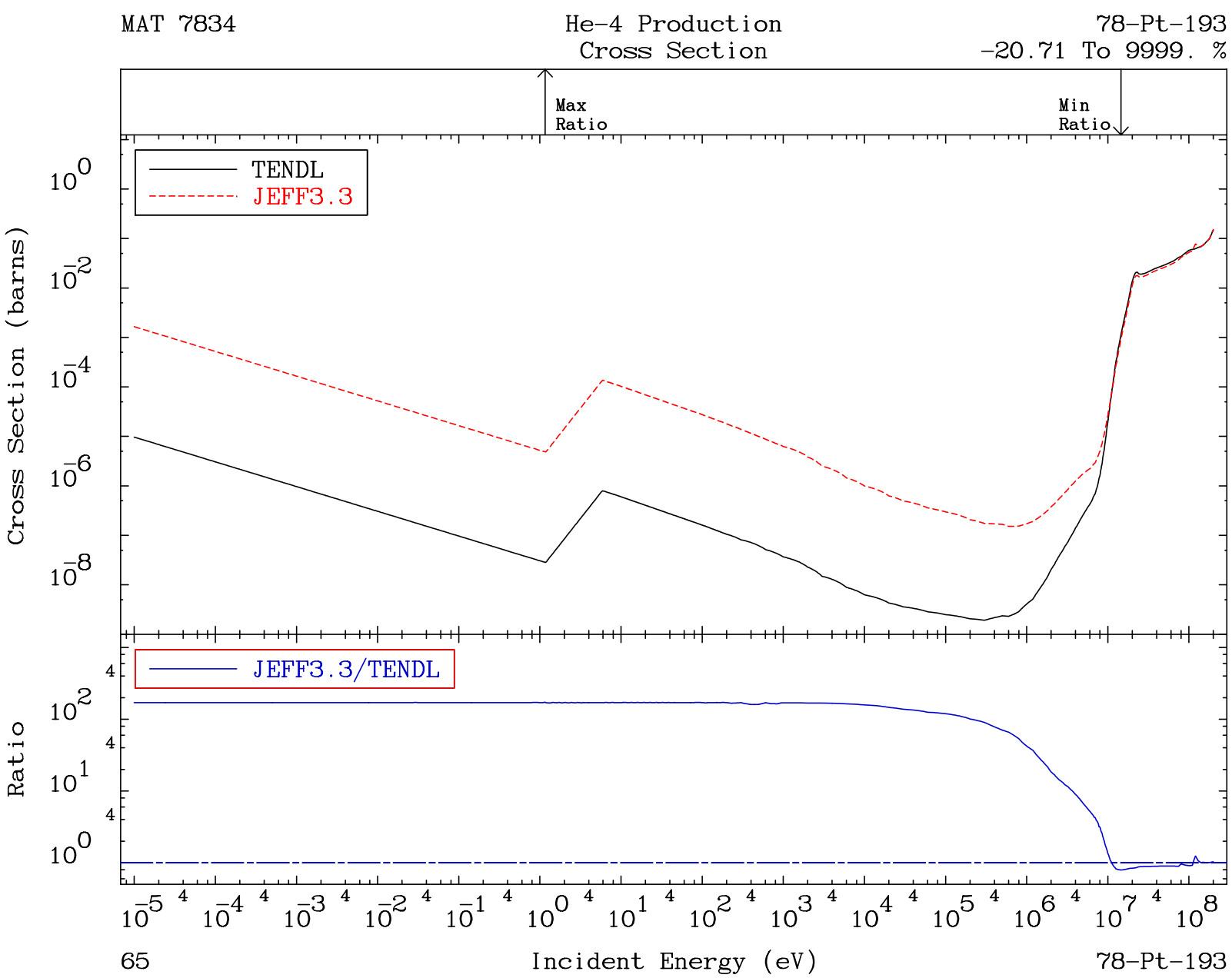

MAT 7834
(n,p) t
Cross Section
78-Pt-193
-25.79 To 11.99 %
Min Ratio
Max Ratio
TENDL Threshold 9.9912 MeV
JEFF3.3 Threshold 9.9912 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.8
1.0
1.2
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
60
Incident Energy (eV)
78-Pt-193

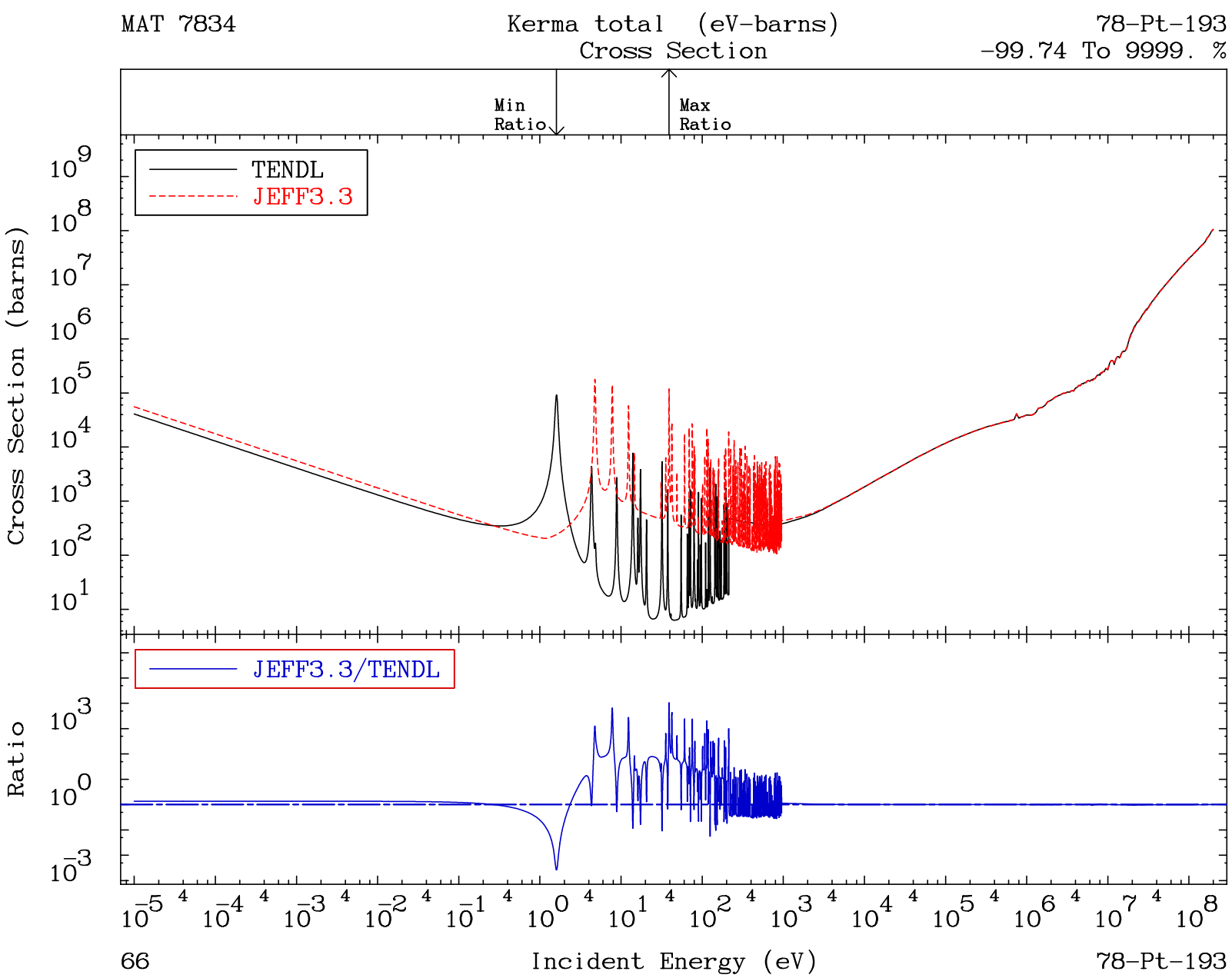

MAT 7834
Hydrogen Production
Cross Section
78-Pt-193
-0.182 To 0.184 %
Min Ratio
Max Ratio
TENDL Threshold 213.98 eV
JEFF3.3 Threshold 955.03 eV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 5 7 10^3 2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
61
Incident Energy (eV)
78-Pt-193

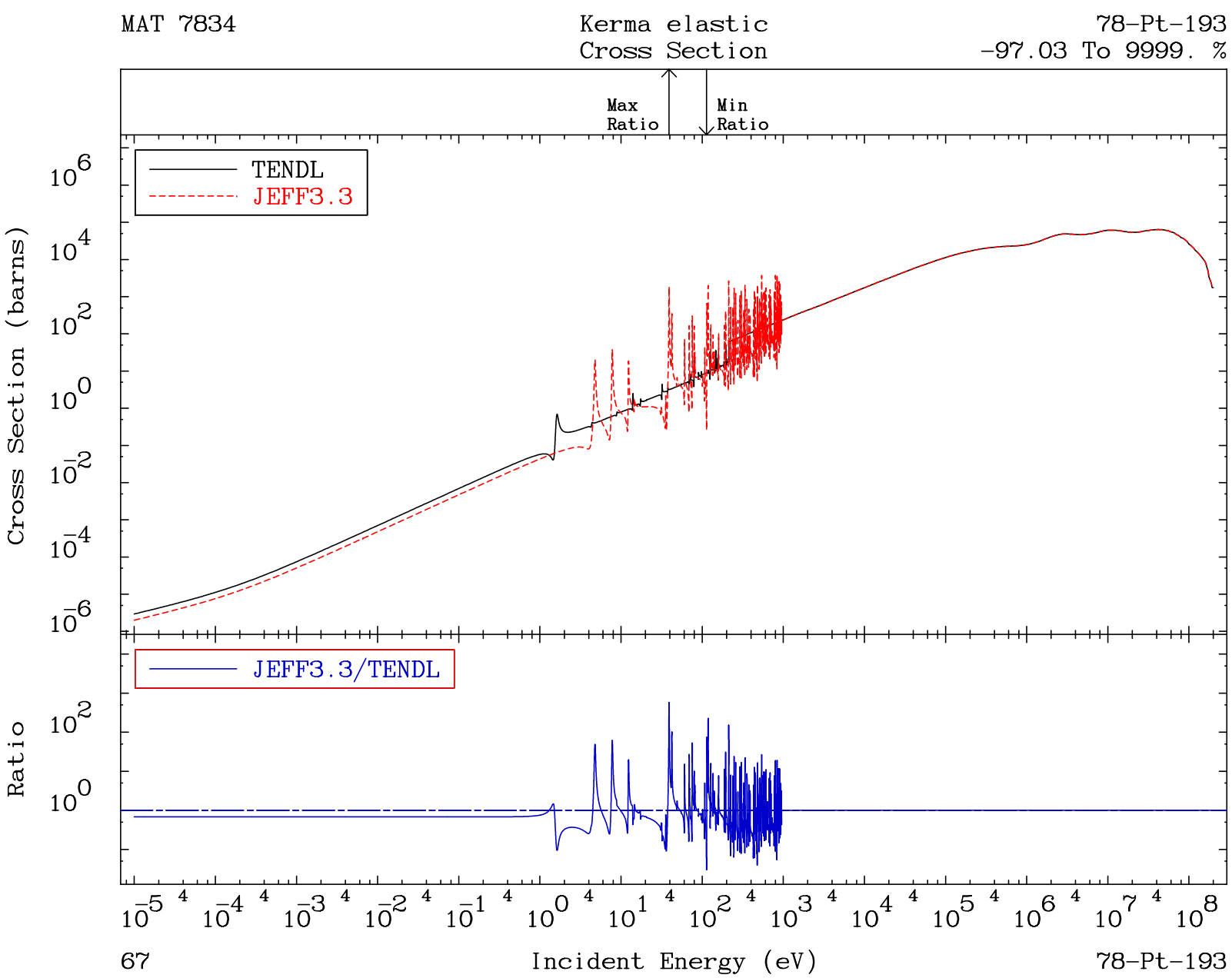

MAT 7834
Deuterium Production
Cross Section
78-Pt-193
-48.10 To 1874. %
Max Ratio
Min Ratio
TENDL Threshold 4.7331 MeV
JEFF3.3 Threshold 2.9676 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
10^1
10^0
4
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
62
Incident Energy (eV)
78-Pt-193

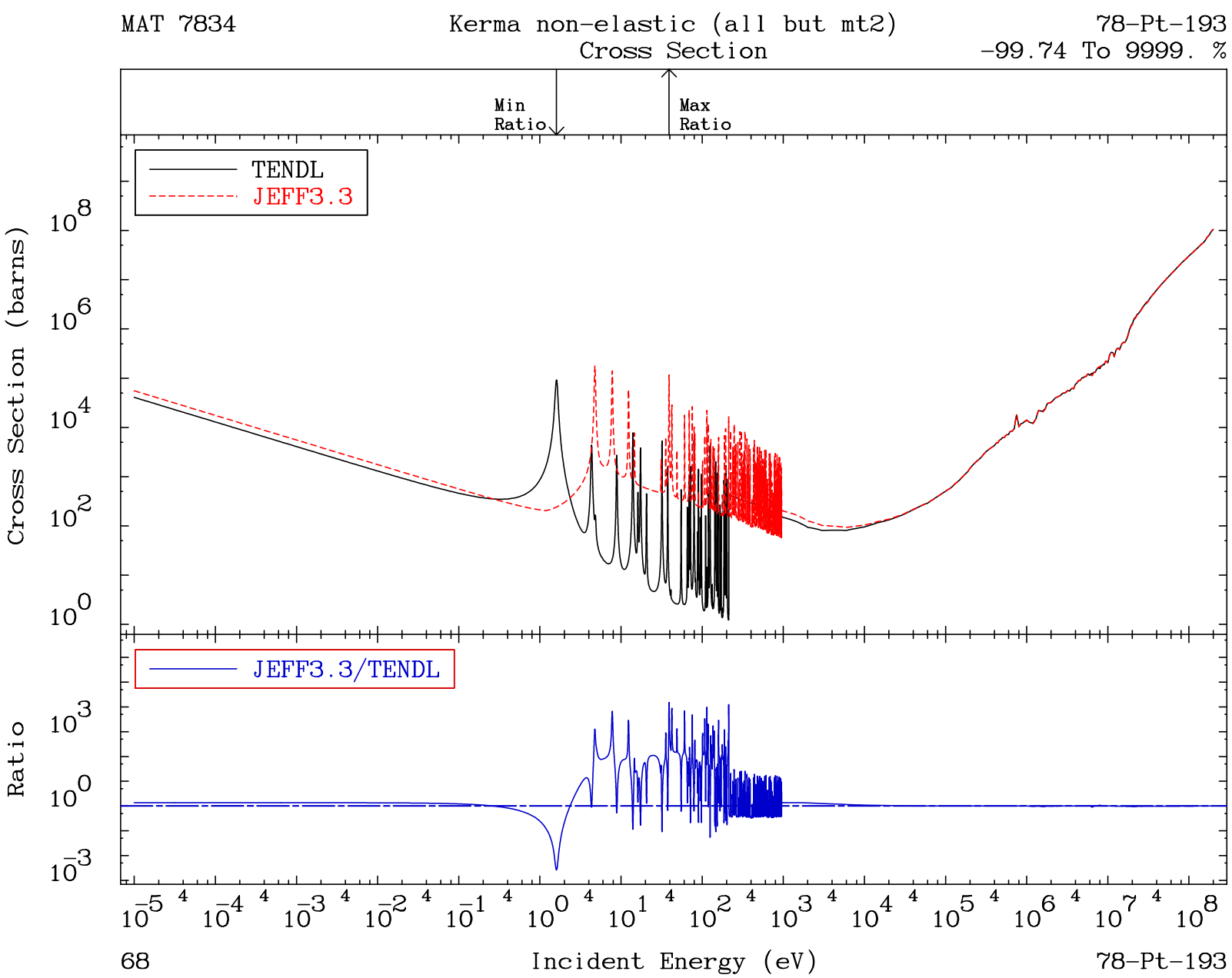

MAT 7834
Tritium Production
Cross Section
78-Pt-193
-0.356 To 0.413 %
Min
Ratio
TENDL Threshold 4.6736 MeV
JEFF3.3 Threshold 4.6736 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
63
Incident Energy (eV)
78-Pt-193

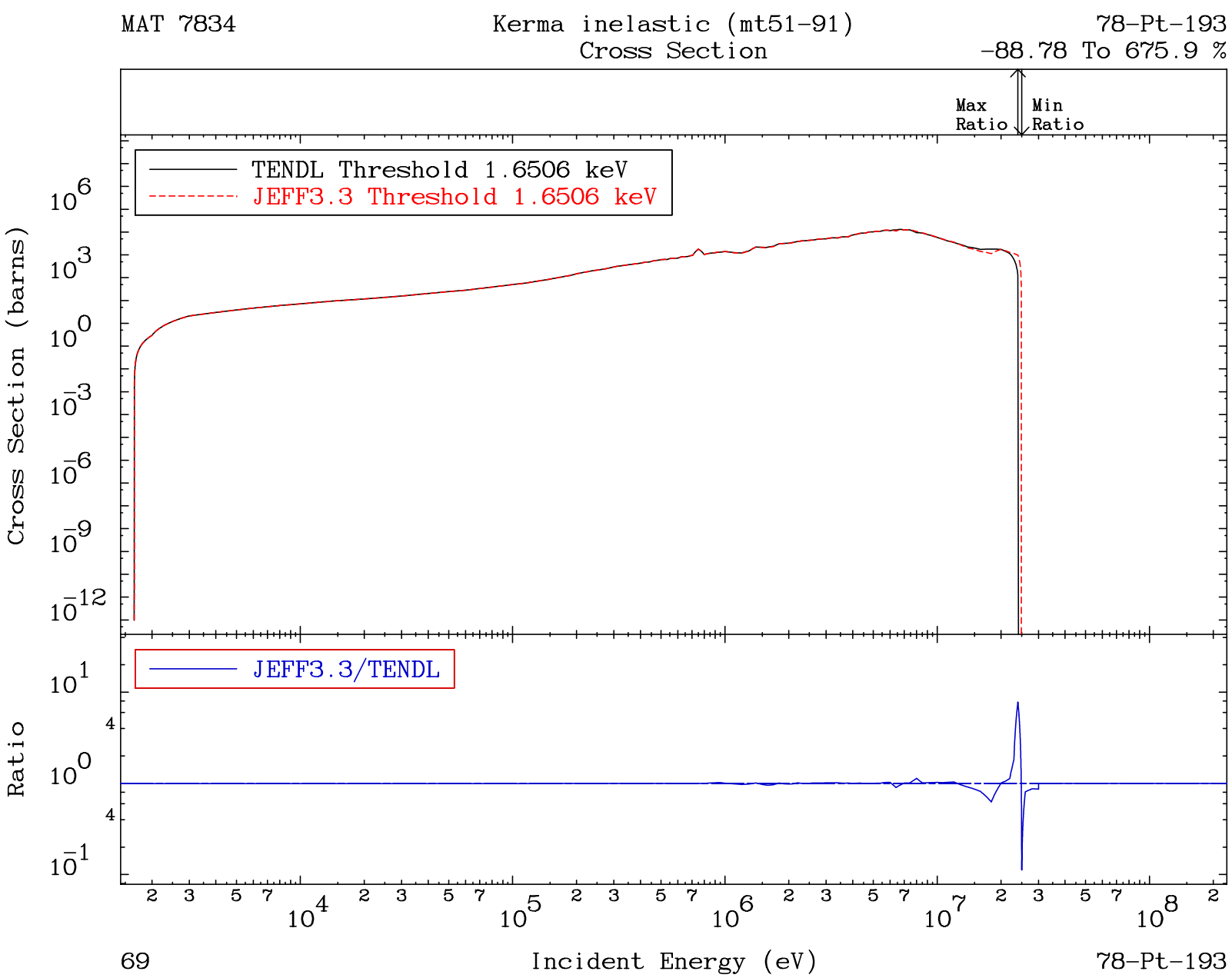

MAT 7834
He-3 Production
Cross Section
78-Pt-193
-1.439 To 0.236 %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JEFF3.3 Threshold 4.9702 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
78-Pt-193

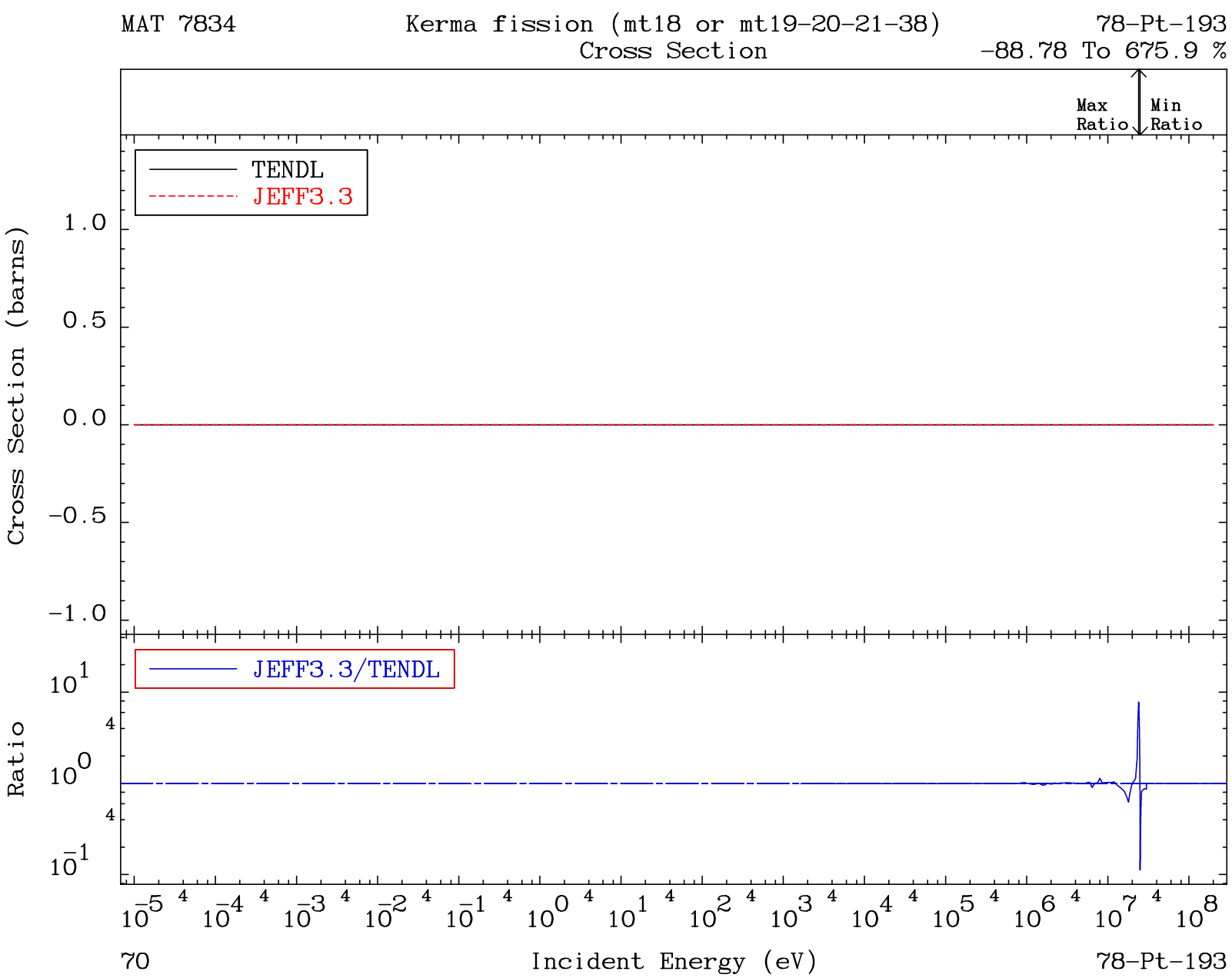

MAT 7834
He-4 Production
Cross Section
78-Pt-193
-20.71 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
78-Pt-193

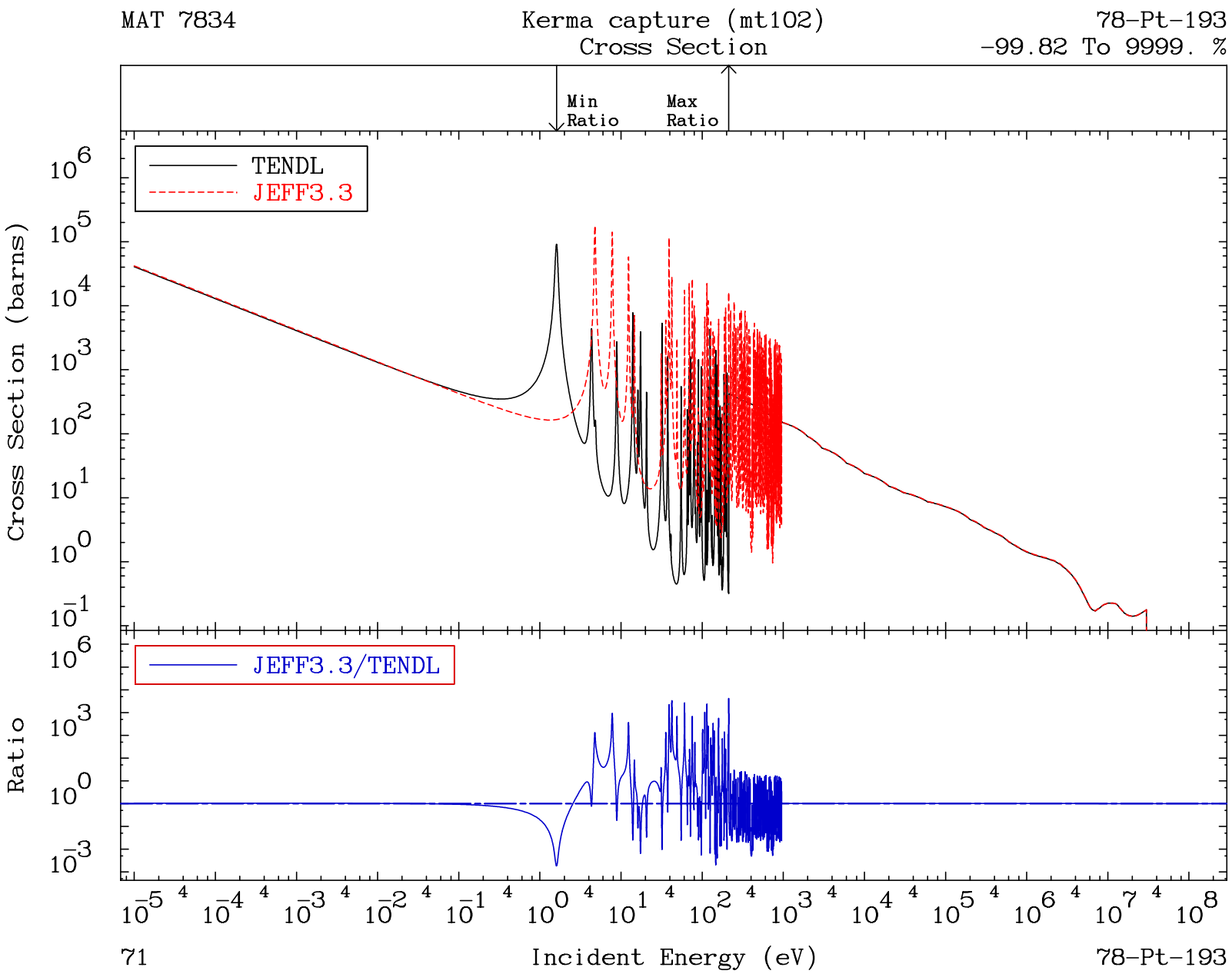

MAT 7834
Kerma total (eV-barns)
Cross Section
78-Pt-193
-99.74 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
78-Pt-193

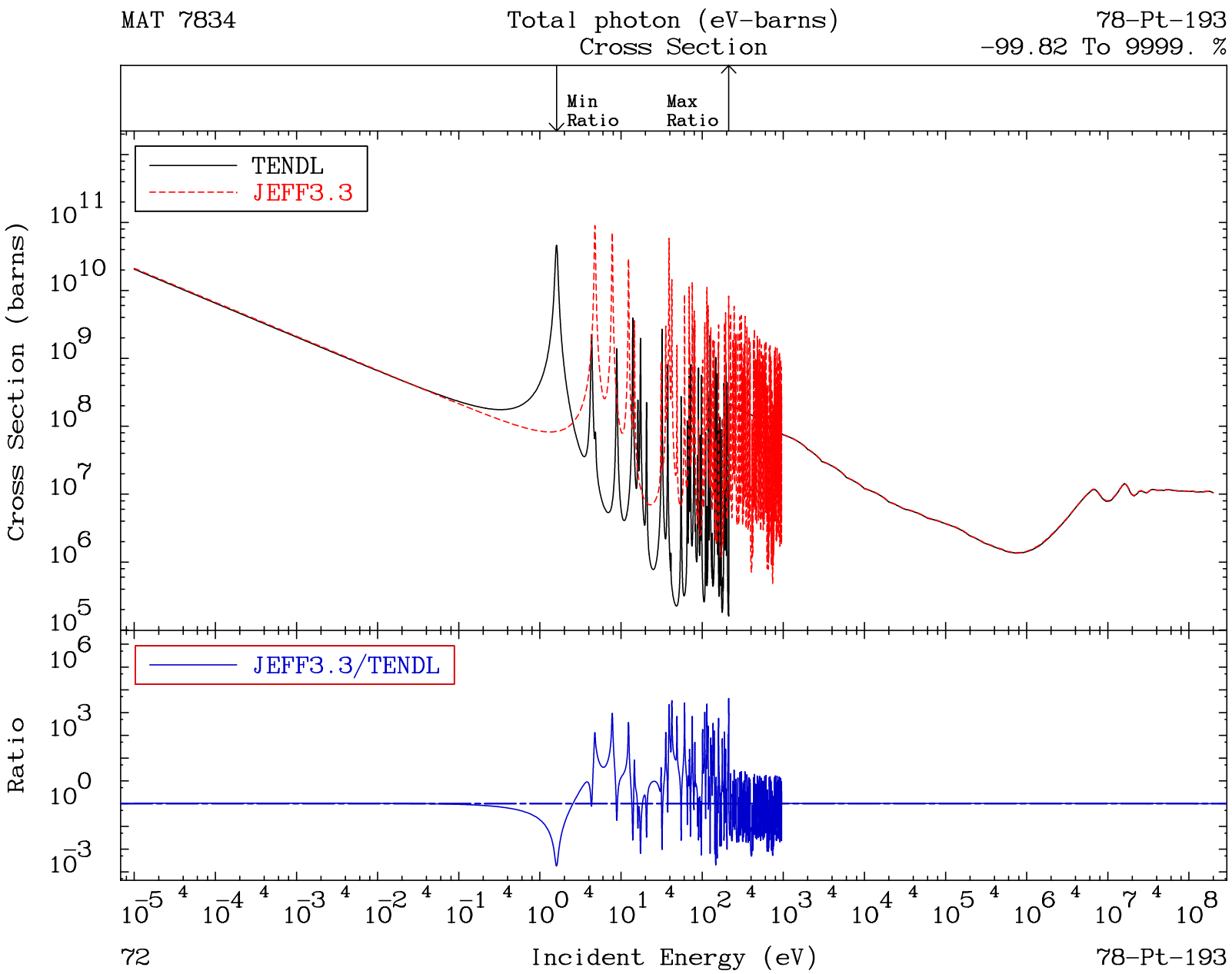

MAT 7834
Kerma elastic
Cross Section
78-Pt-193
-97.03 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
78-Pt-193

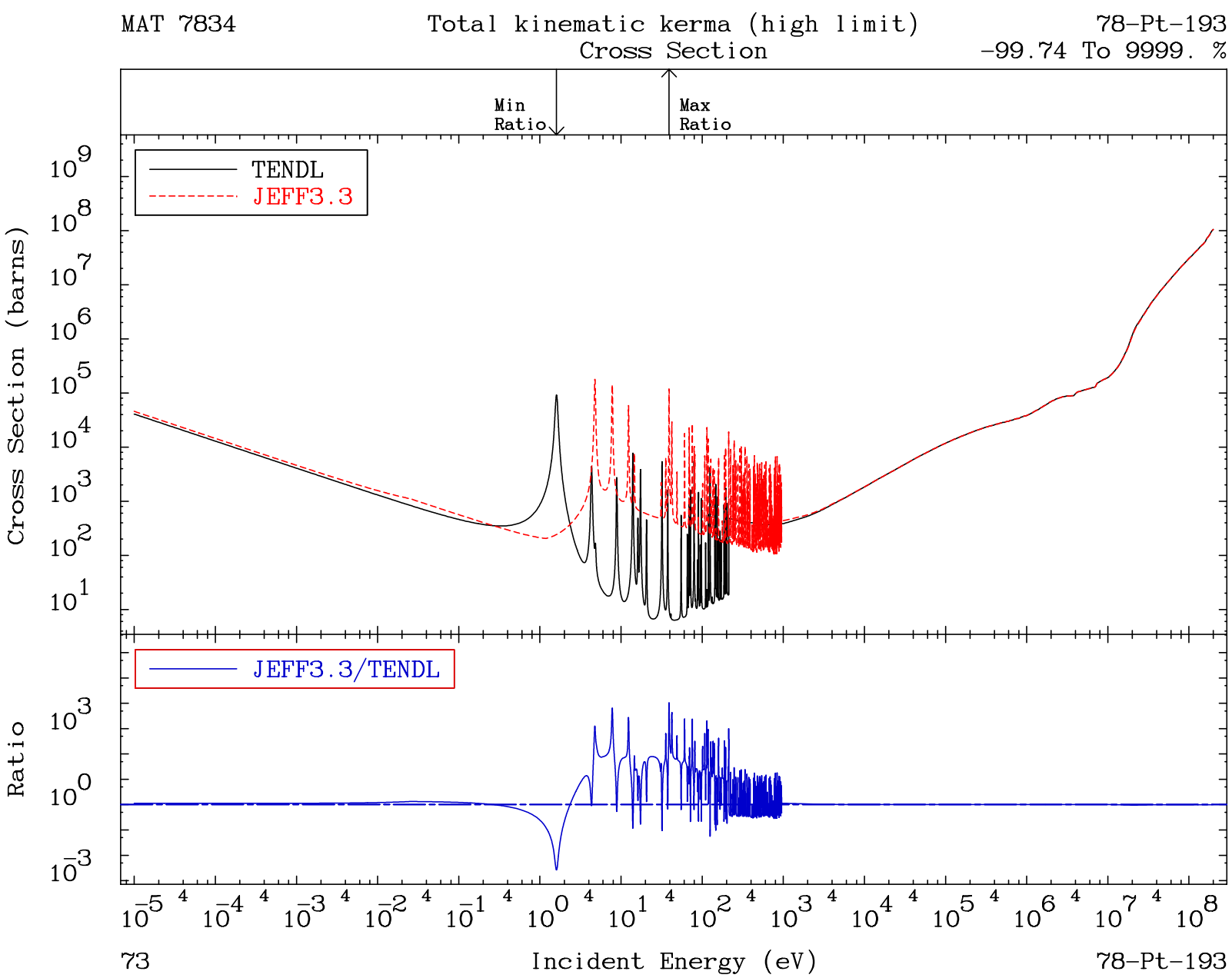

MAT 7834
Kerma non-elastic (all but mt2)
Cross Section
78-Pt-193
-99.74 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
78-Pt-193

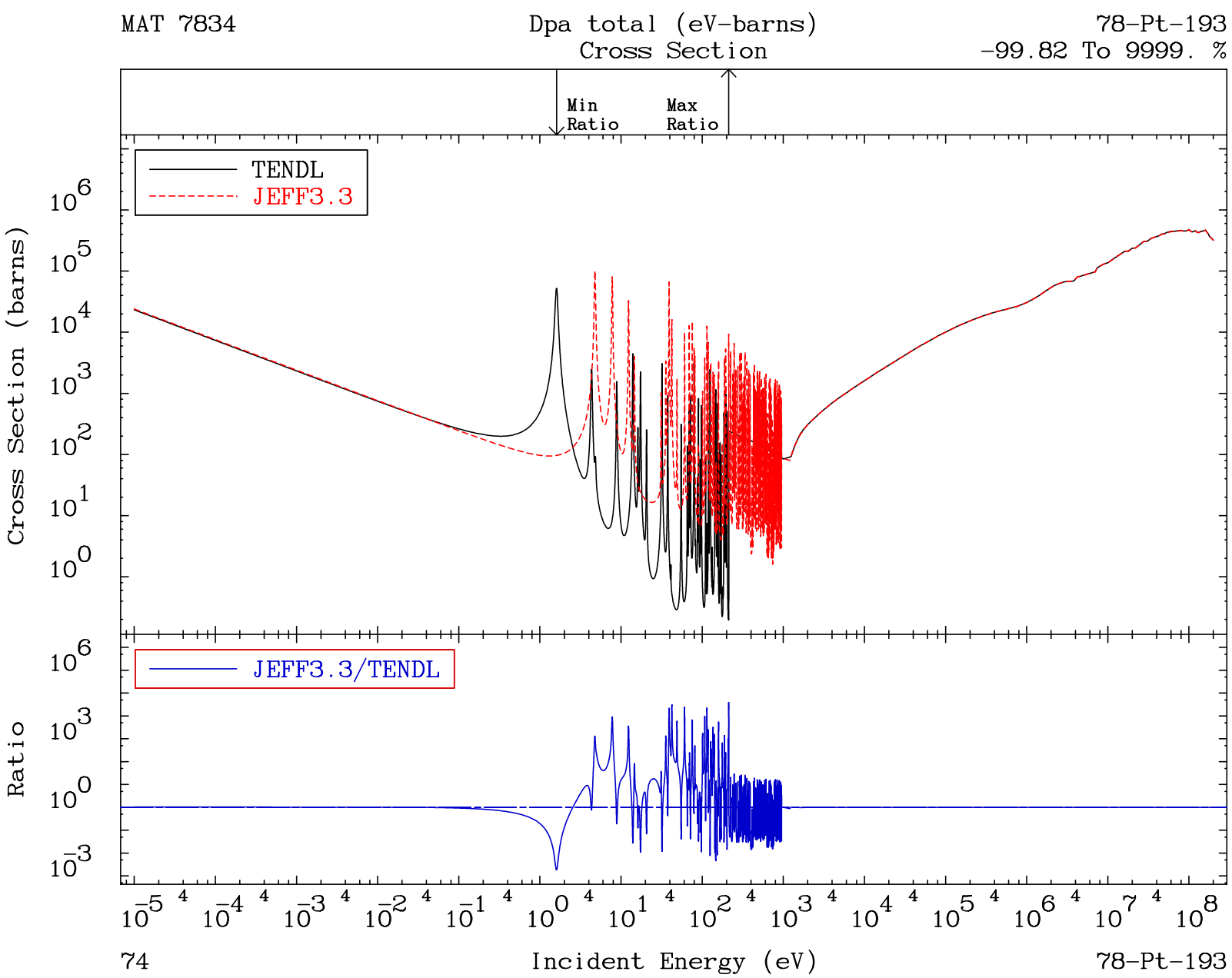

MAT 7834
Kerma inelastic (mt51-91)
Cross Section
78-Pt-193
-88.78 To 675.9 %
Max Ratio
Min Ratio
TENDL Threshold 1.6506 keV
JEFF3.3 Threshold 1.6506 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
78-Pt-193

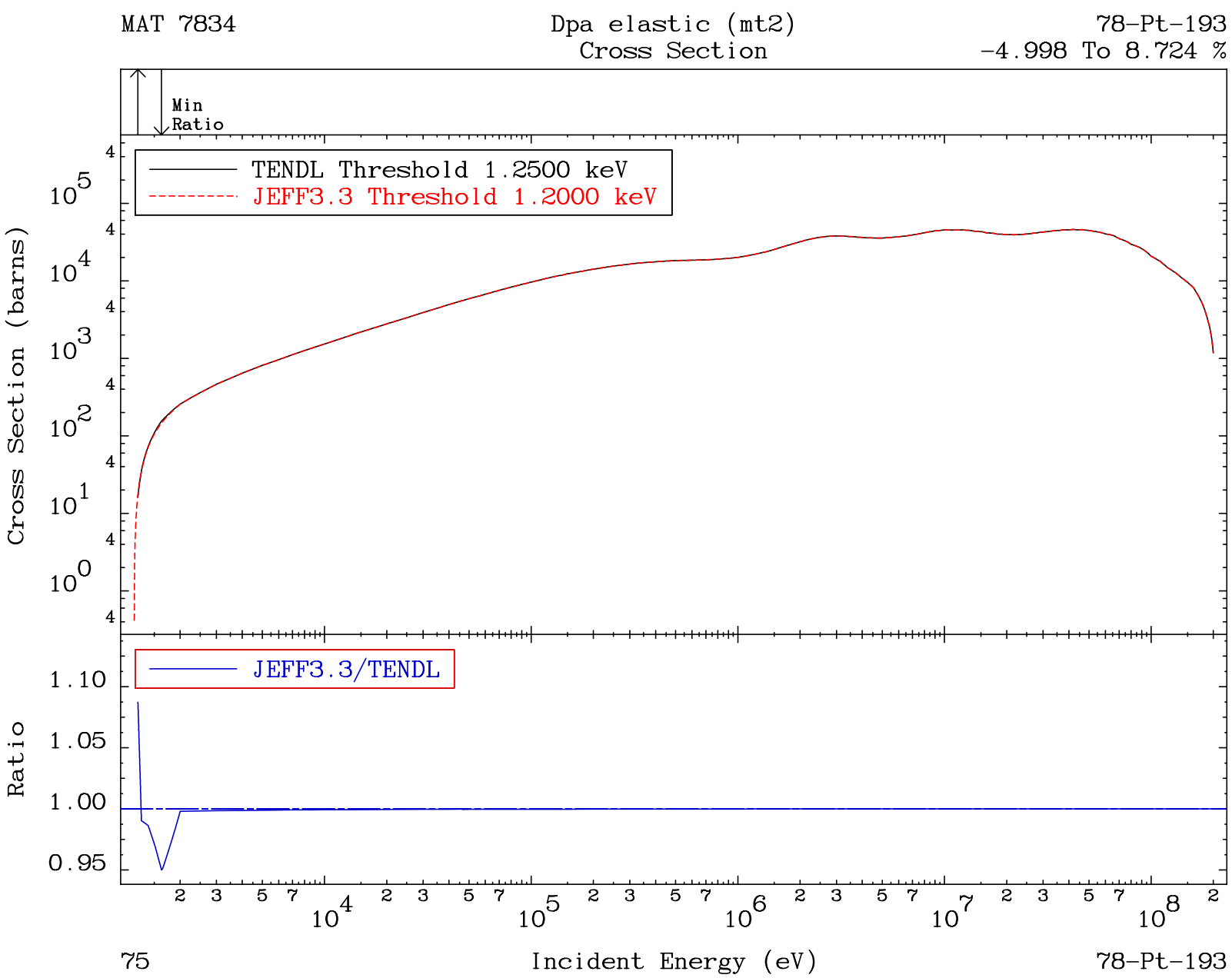

MAT 7834
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
78-Pt-193
-88.78 To 675.9 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
78-Pt-193

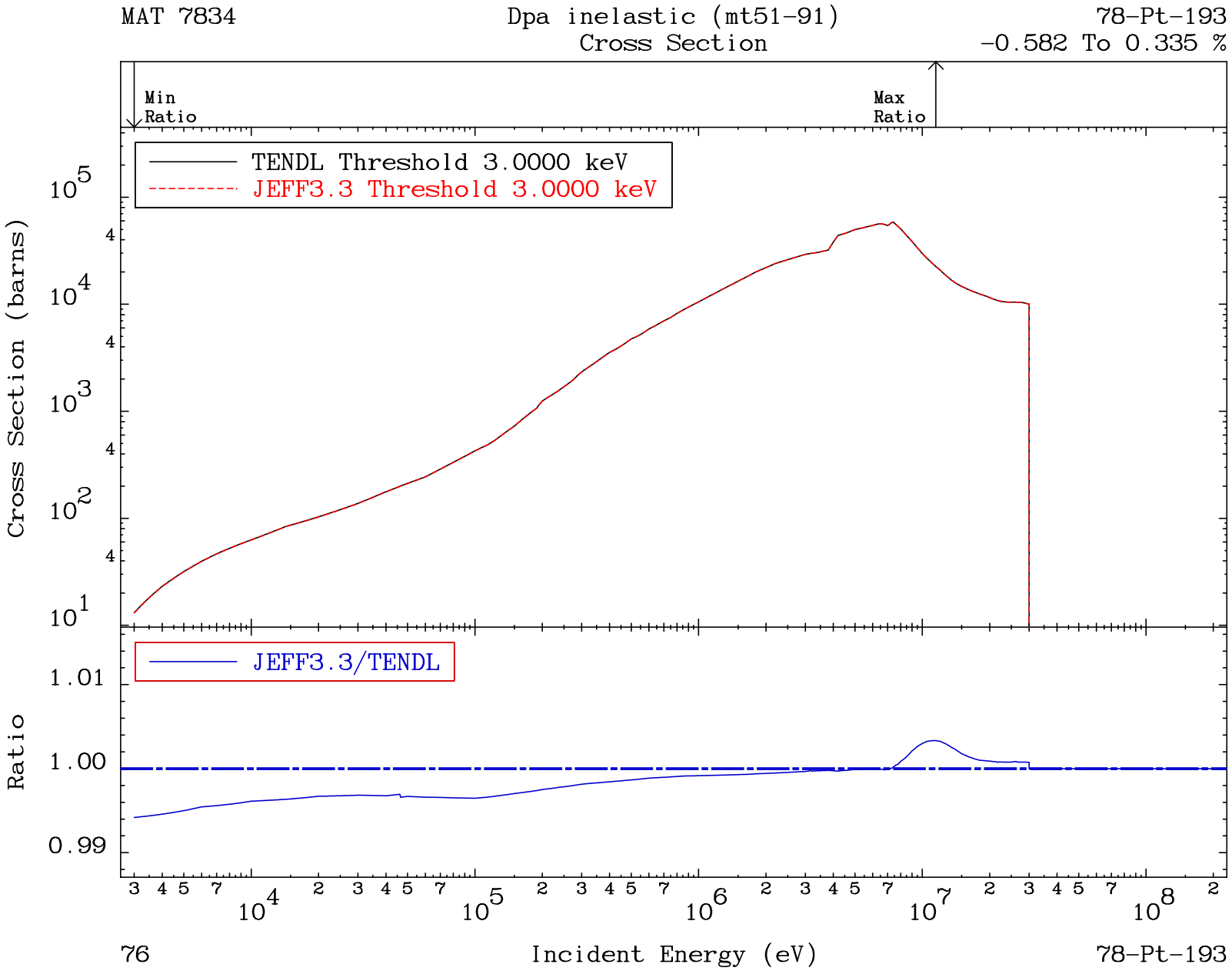

MAT 7834
Kerma capture (mt102)
Cross Section
78-Pt-193
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
78-Pt-193

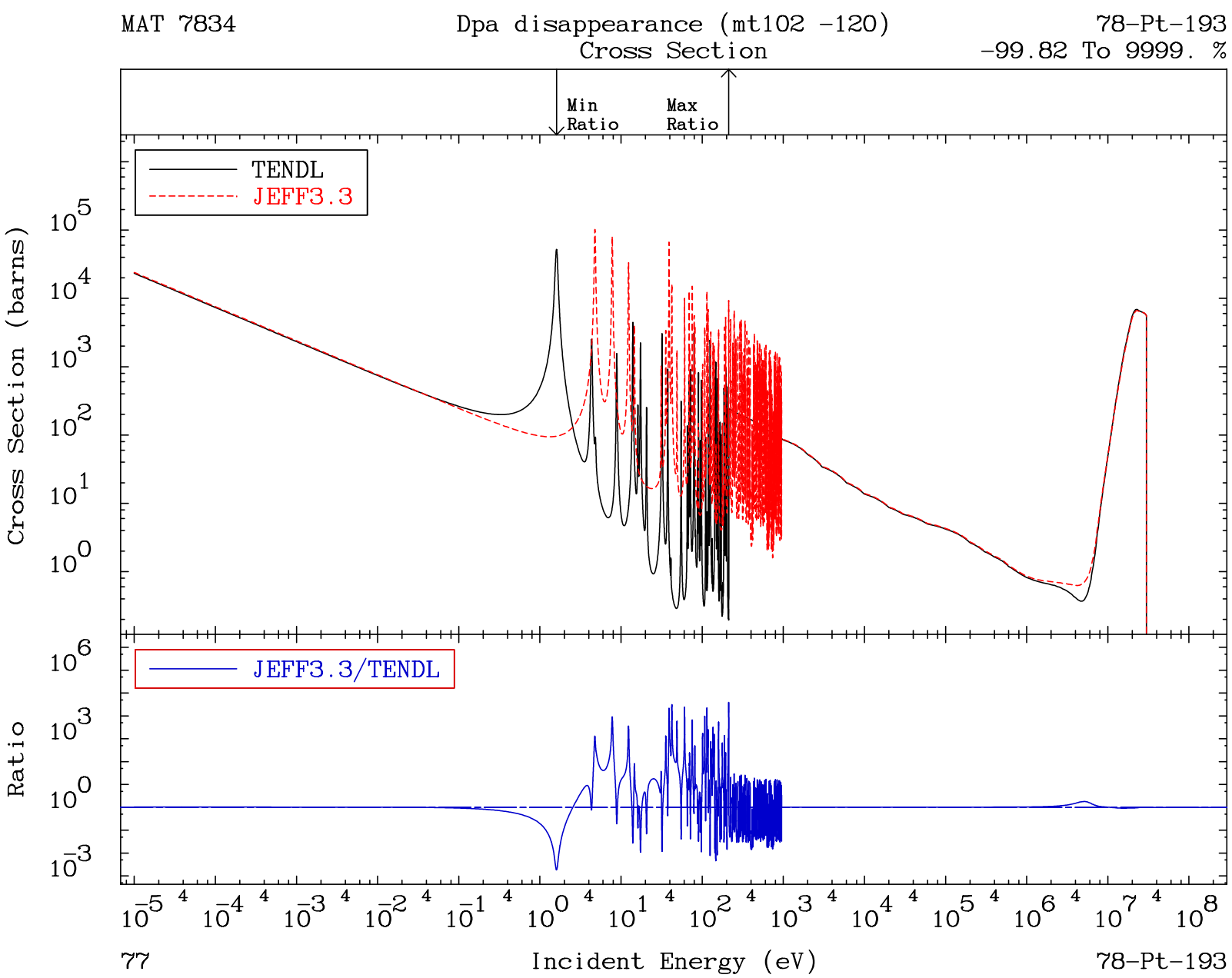

MAT 7834
Total photon (eV-barns)
Cross Section
78-Pt-193
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
78-Pt-193

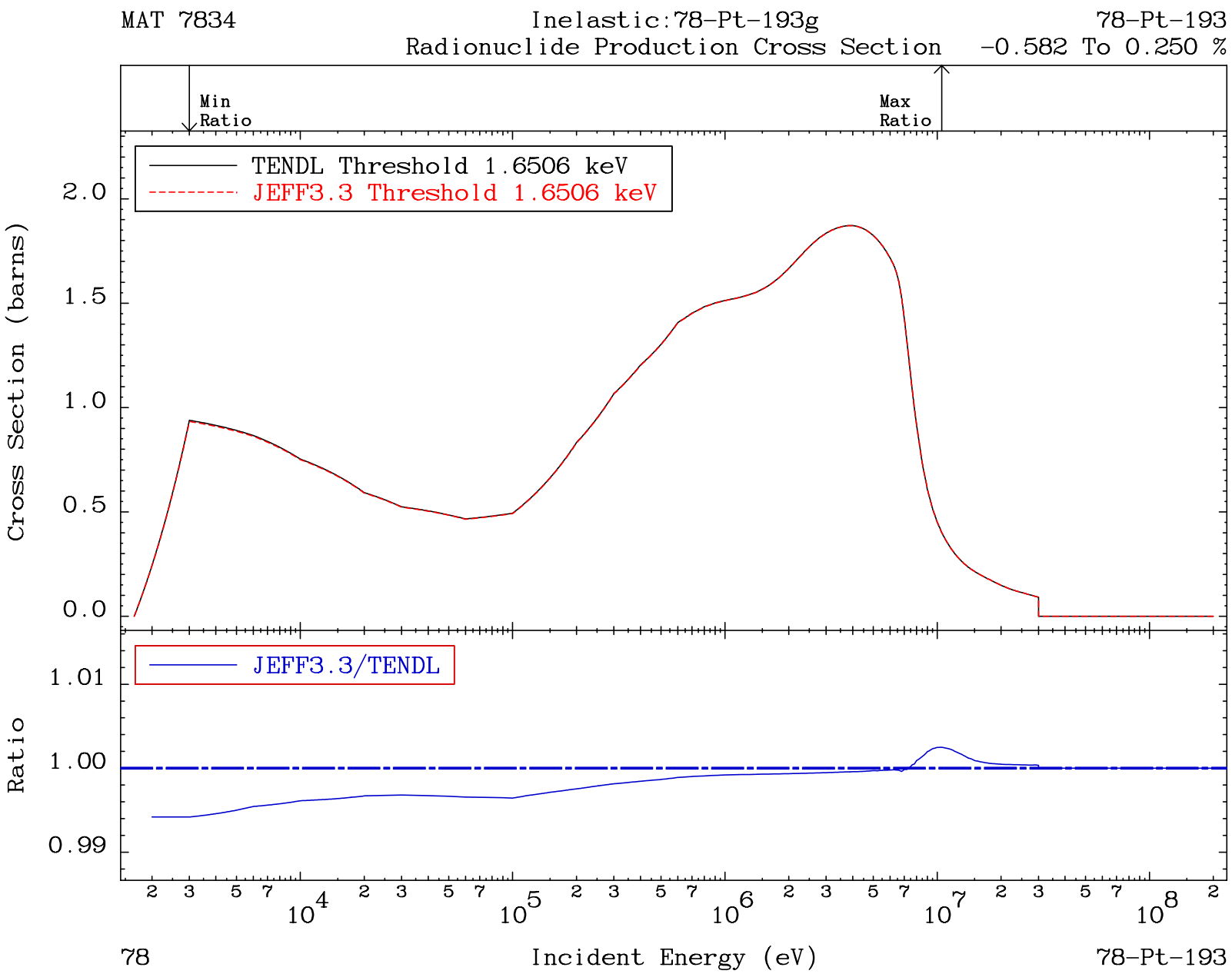

MAT 7834
Total kinematic kerma (high limit)
Cross Section
78-Pt-193
-99.74 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
78-Pt-193

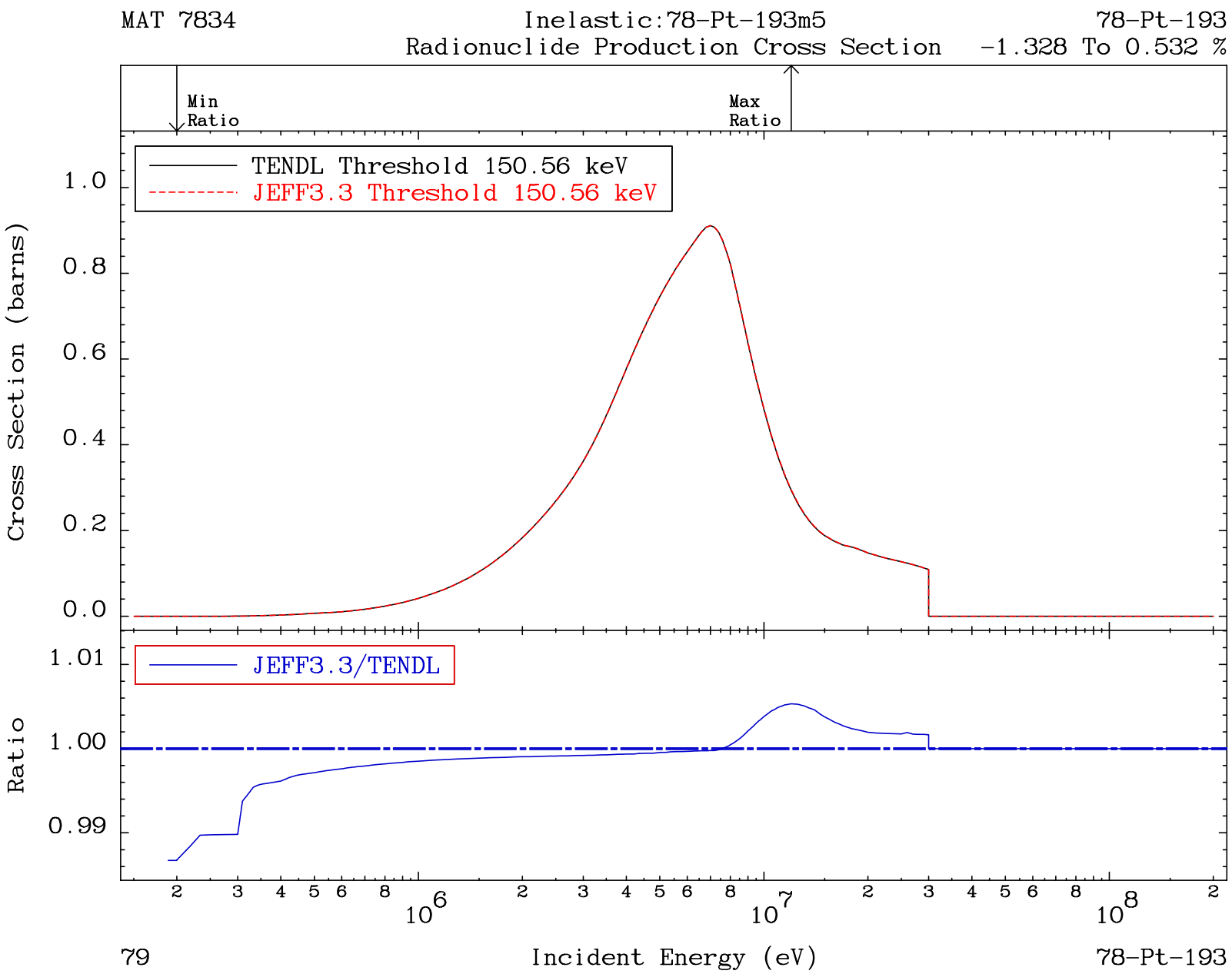

MAT 7834
Dpa total (eV-barns)
Cross Section
78-Pt-193
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
78-Pt-193

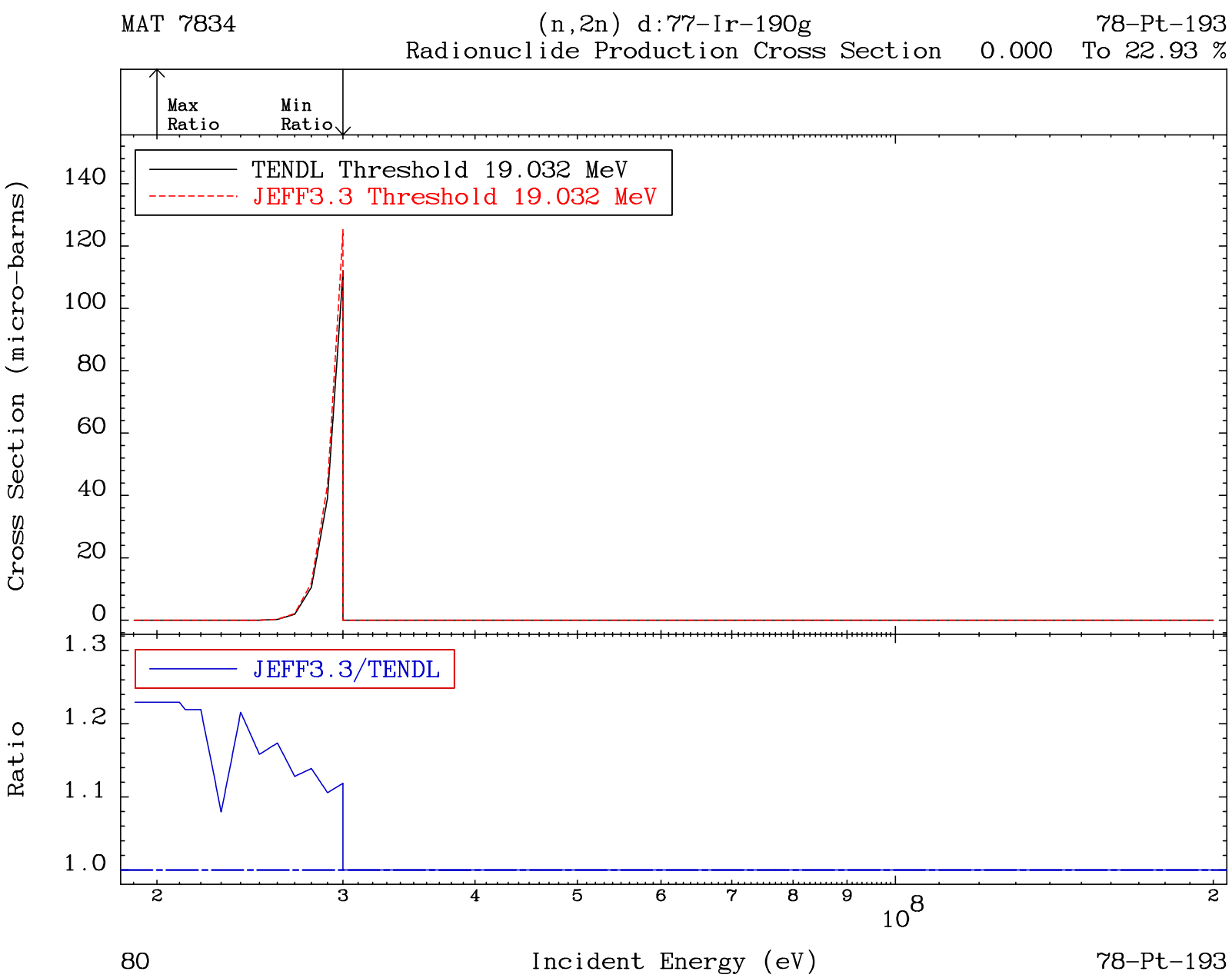

MAT 7834
Dpa elastic (mt2)
Cross Section
78-Pt-193
-4.998 To 8.724 %
Min
Ratio
TENDL Threshold 1.2500 keV
JEFF3.3 Threshold 1.2000 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
78-Pt-193

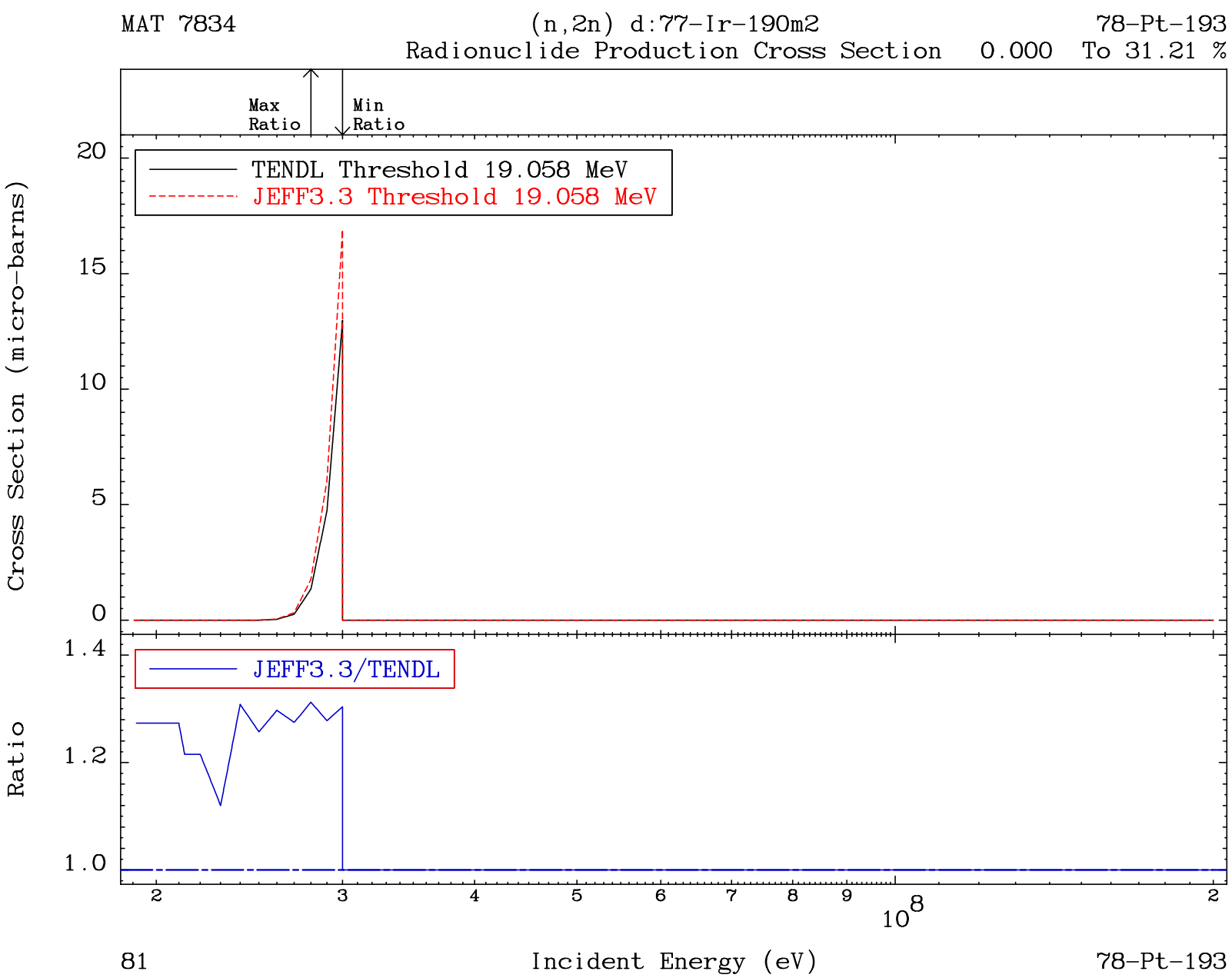

MAT 7834
Dpa inelastic (mt51-91)
Cross Section
78-Pt-193
-0.582 To 0.335 %
Min Ratio
Max Ratio
TENDL Threshold 3.0000 keV
JEFF3.3 Threshold 3.0000 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
78-Pt-193

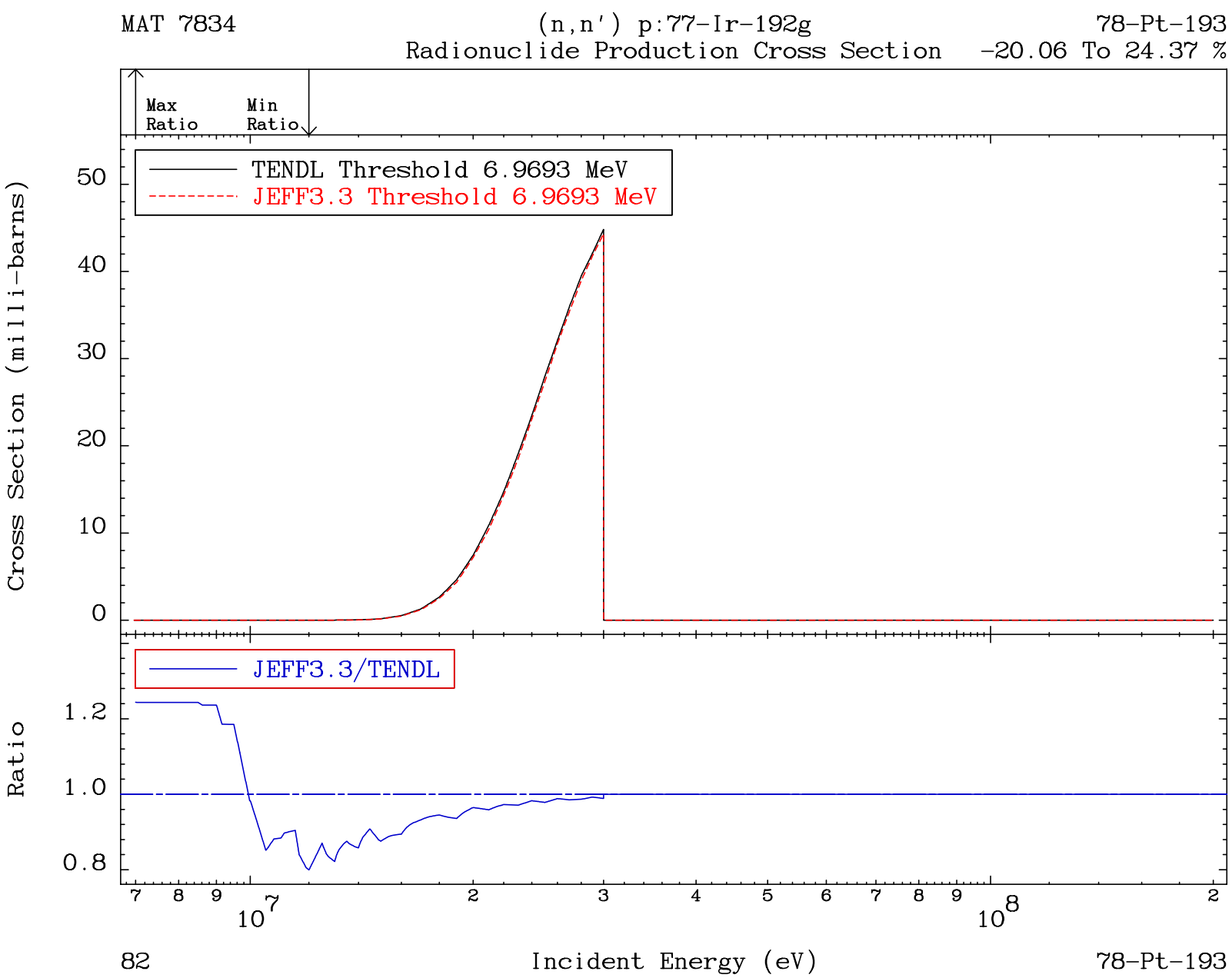

MAT 7834
Dpa disappearance (mt102 -120)
Cross Section
78-Pt-193
-99.82 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
78-Pt-193

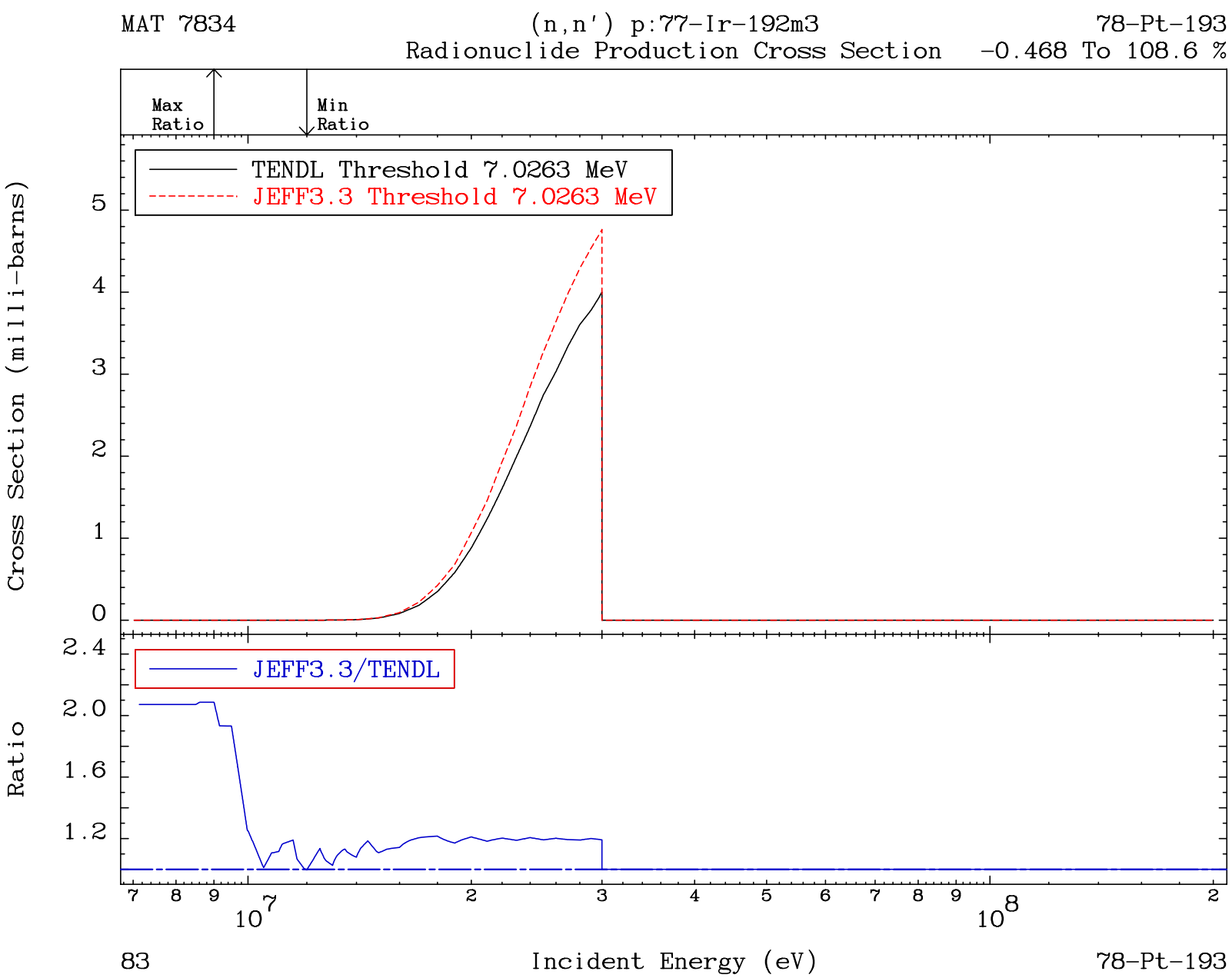

MAT 7834
Inelastic:78-Pt-193g
78-Pt-193
Radionuclide Production Cross Section
-0.582 To 0.250 %
Min Ratio
Max Ratio
TENDL Threshold 1.6506 keV
JEFF3.3 Threshold 1.6506 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 5 7 10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
78
Incident Energy (eV)
78-Pt-193

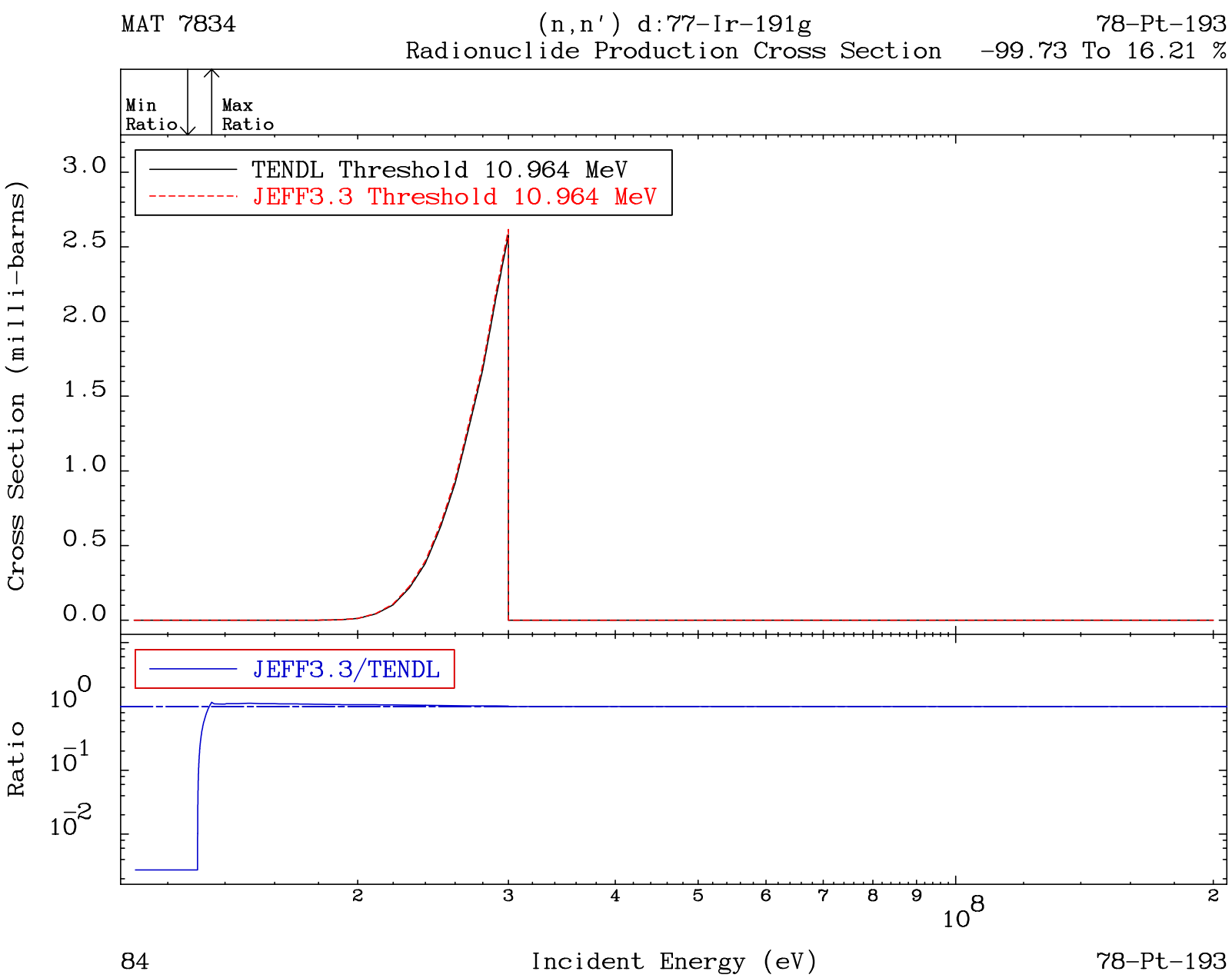

MAT 7834
Inelastic:78-Pt-193m5
78-Pt-193
Radionuclide Production Cross Section -1.328 To 0.532 %
Min Ratio
Max Ratio
TENDL Threshold 150.56 keV
JEFF3.3 Threshold 150.56 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
79
Incident Energy (eV)
78-Pt-193

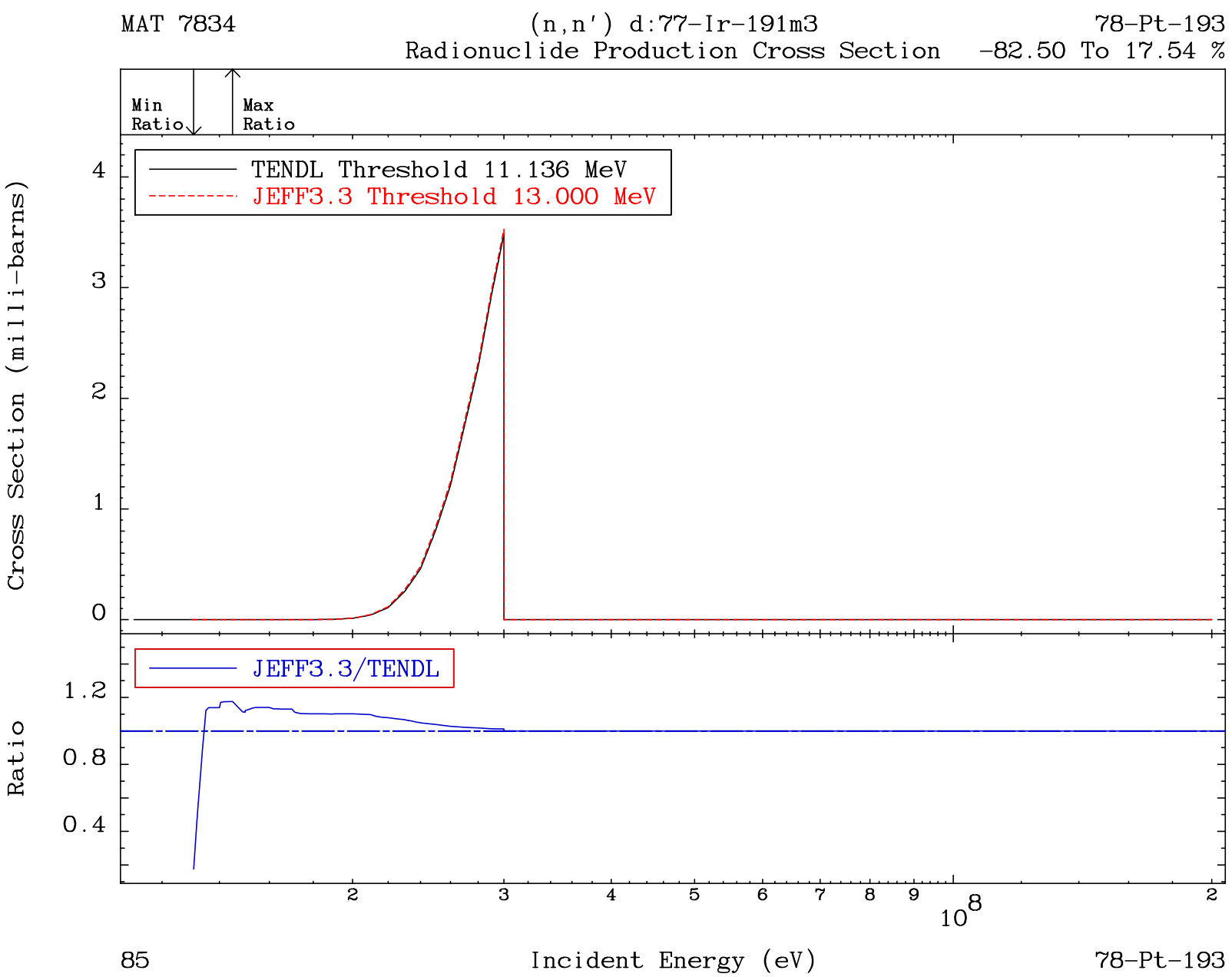

MAT 7834
(n,2n) d:77-Ir-190g
78-Pt-193
Radionuclide Production Cross Section 0.000 To 22.93 %
Max Ratio
Min Ratio
TENDL Threshold 19.032 MeV
JEFF3.3 Threshold 19.032 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
78-Pt-193

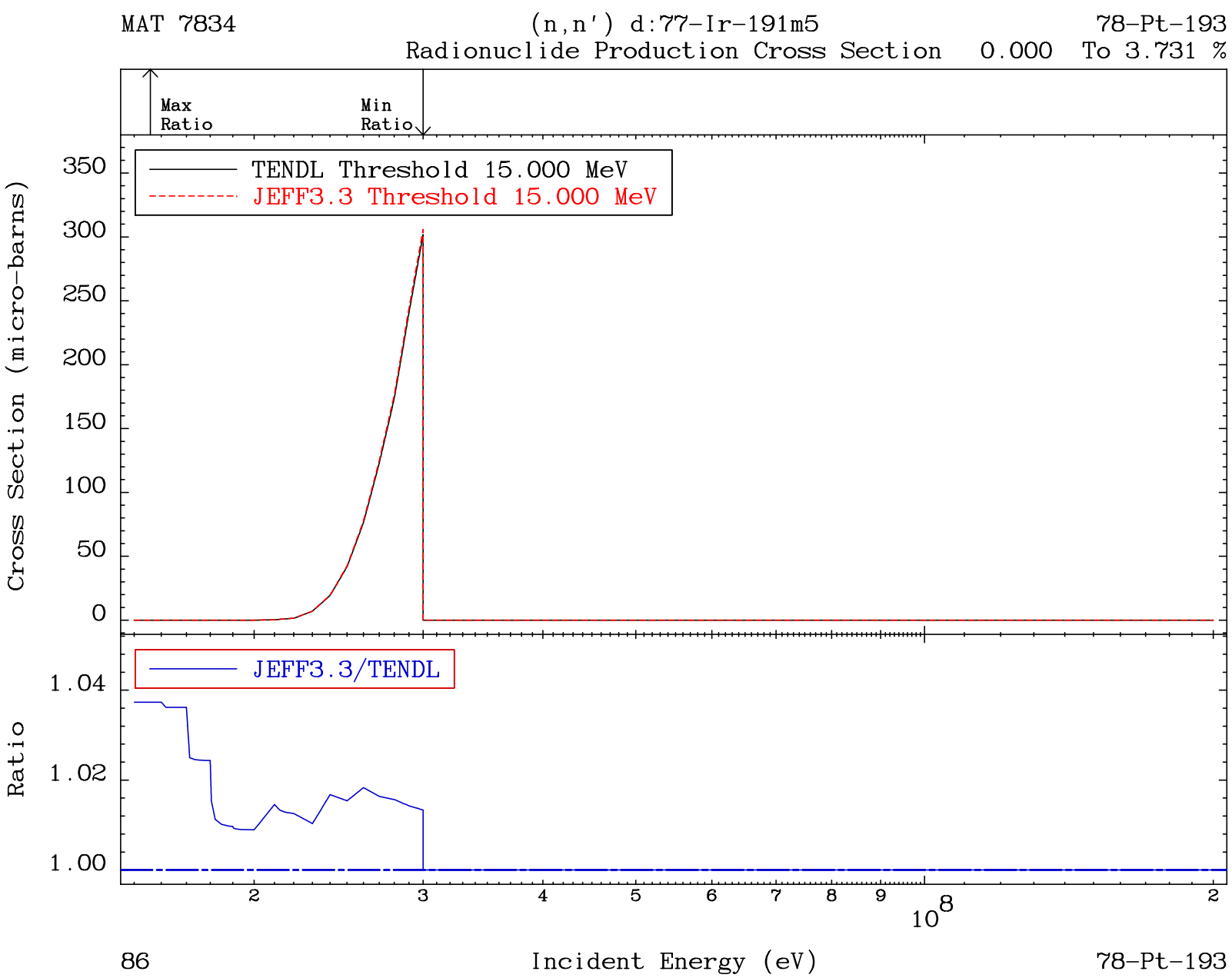

MAT 7834
(n,2n) d:77-Ir-190m2
78-Pt-193
Radionuclide Production Cross Section 0.000 To 31.21 %
Max Ratio
Min Ratio
TENDL Threshold 19.058 MeV
JEFF3.3 Threshold 19.058 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
78-Pt-193

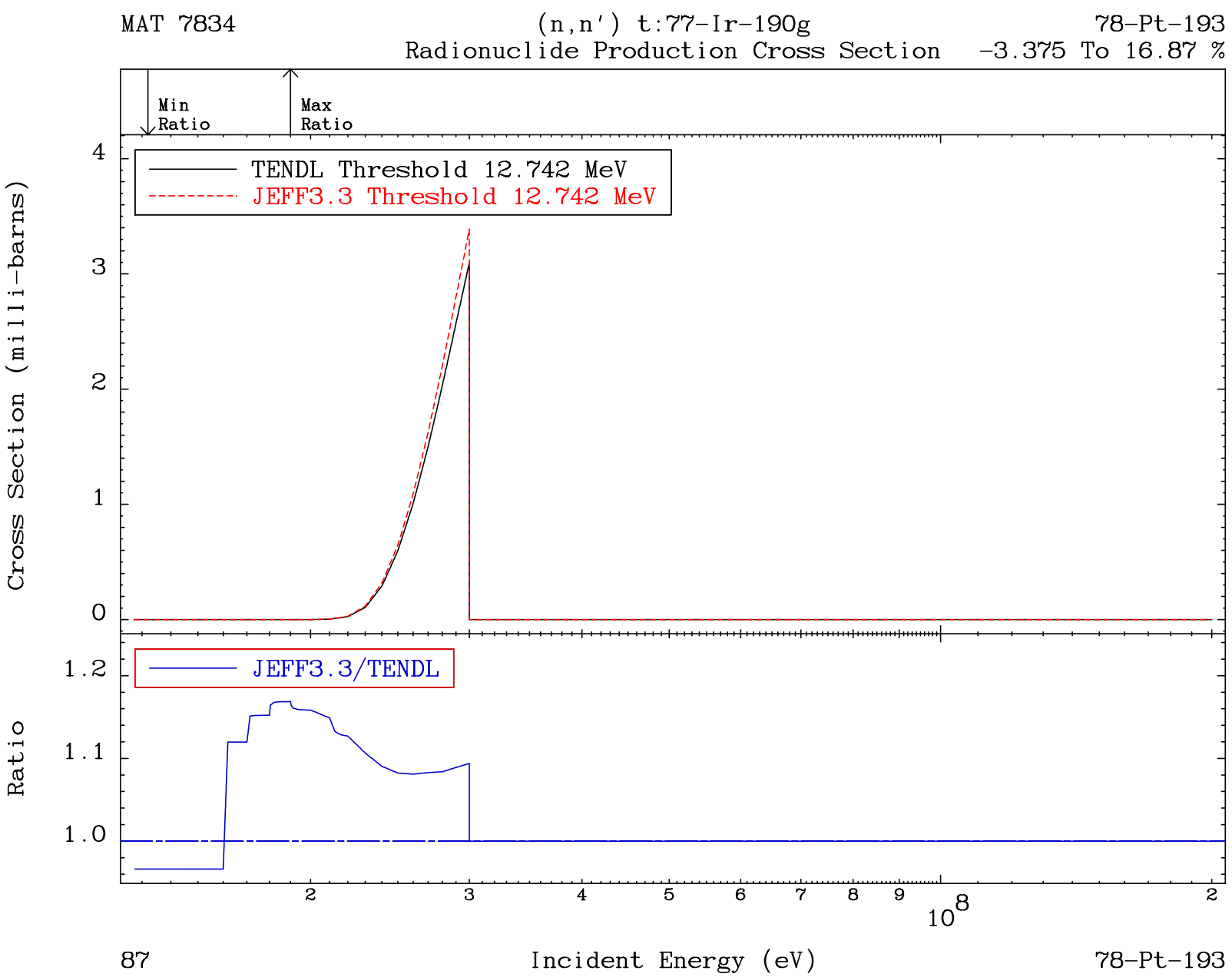

MAT 7834
(n,n') p:77-Ir-192g
78-Pt-193
Radionuclide Production Cross Section
-20.06 To 24.37 %
Max Ratio
Min Ratio
TENDL Threshold 6.9693 MeV
JEFF3.3 Threshold 6.9693 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
82
Incident Energy (eV)
78-Pt-193

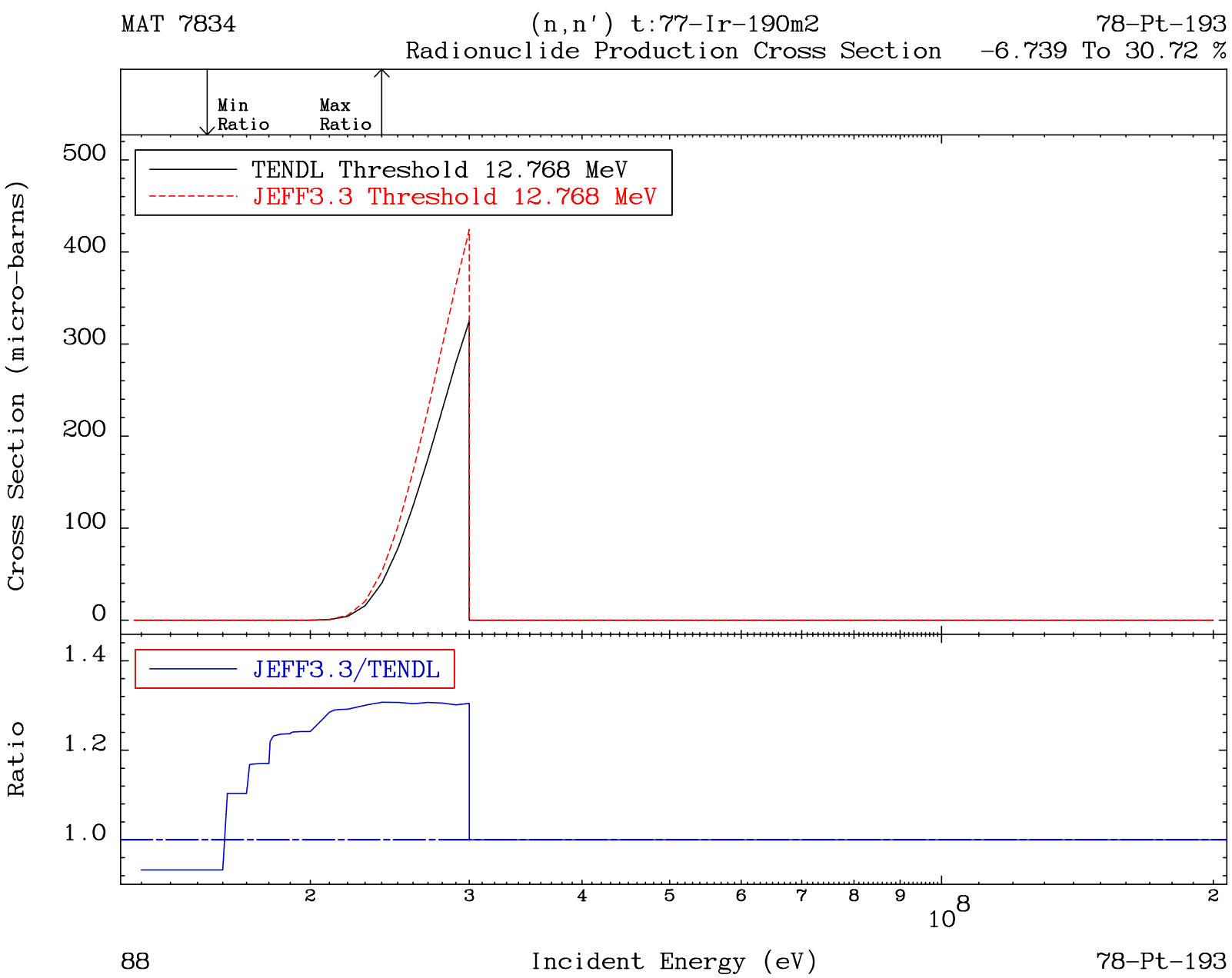

MAT 7834
(n,n') p:77-Ir-192m3
78-Pt-193
Radionuclide Production Cross Section -0.468 To 108.6 %
Max Ratio
Min Ratio
TENDL Threshold 7.0263 MeV
JEFF3.3 Threshold 7.0263 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.2
1.6
2.0
2.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
83
Incident Energy (eV)
78-Pt-193

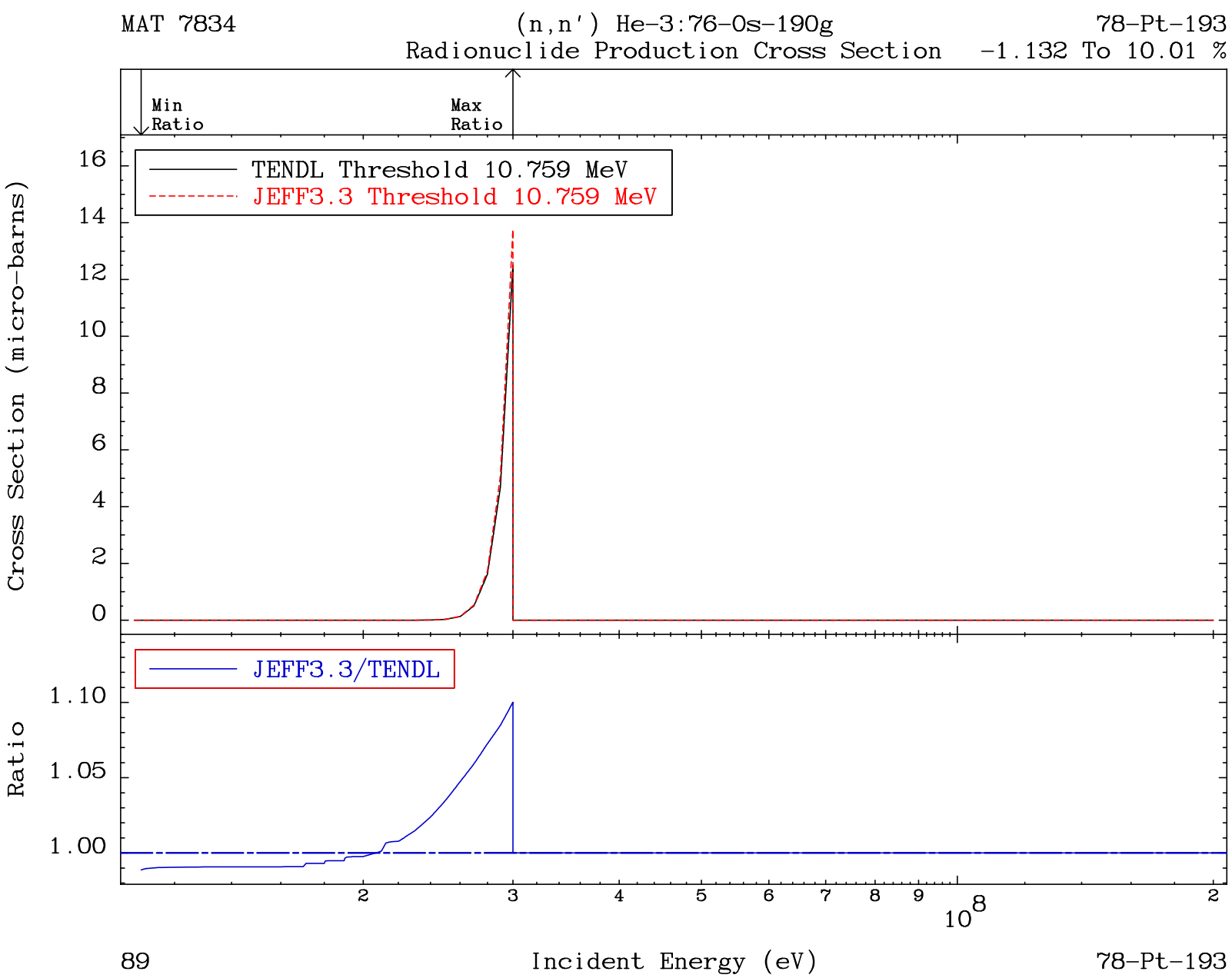

MAT 7834
(n,n') d:77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section -99.73 To 16.21 %
Min Ratio
Max Ratio
TENDL Threshold 10.964 MeV
JEFF3.3 Threshold 10.964 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-1
10^-2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
78-Pt-193

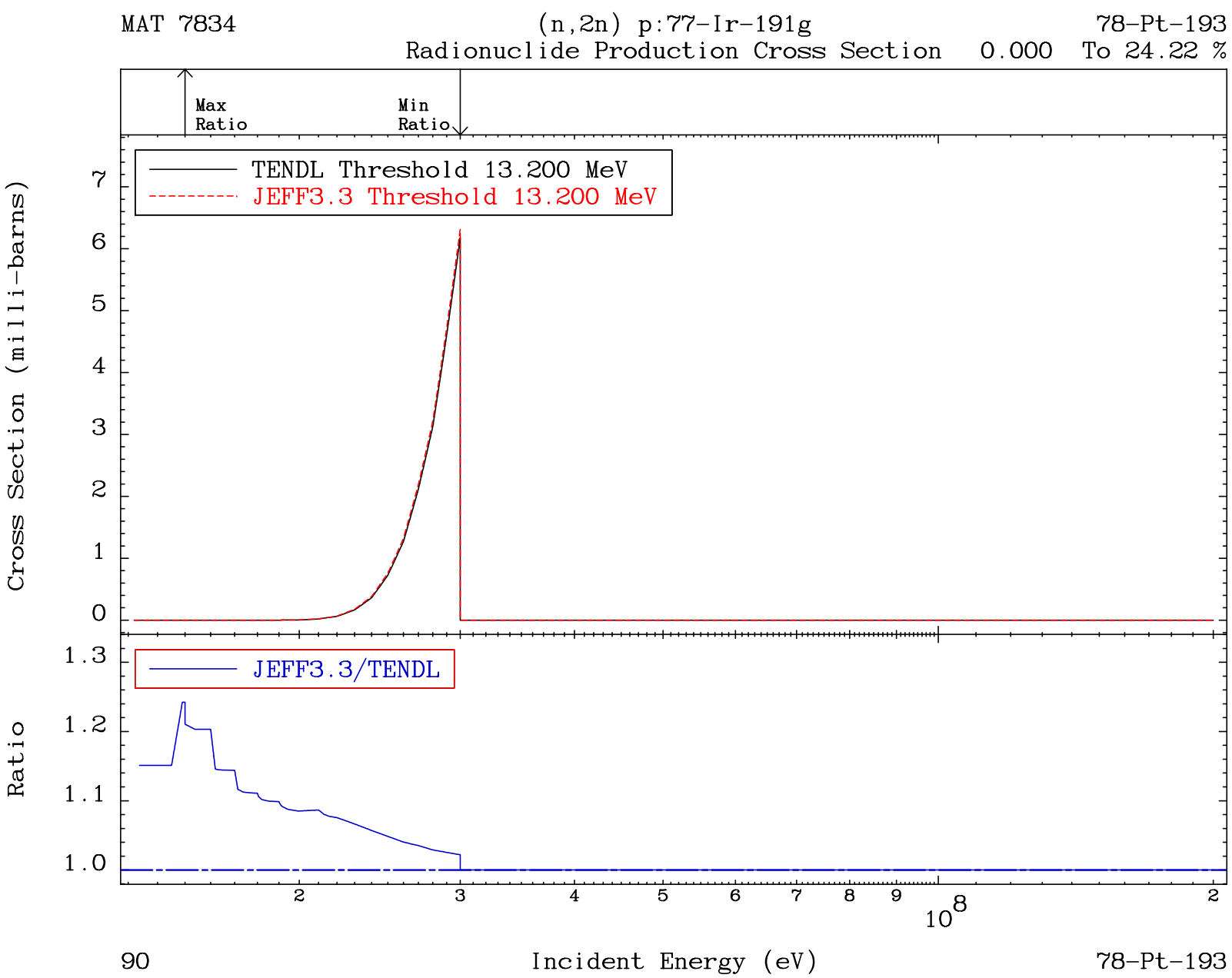

MAT 7834
(n,n') d:77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section -82.50 To 17.54 %
Min Ratio
Max Ratio
TENDL Threshold 11.136 MeV
JEFF3.3 Threshold 13.000 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.4
0.8
1.2
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
78-Pt-193

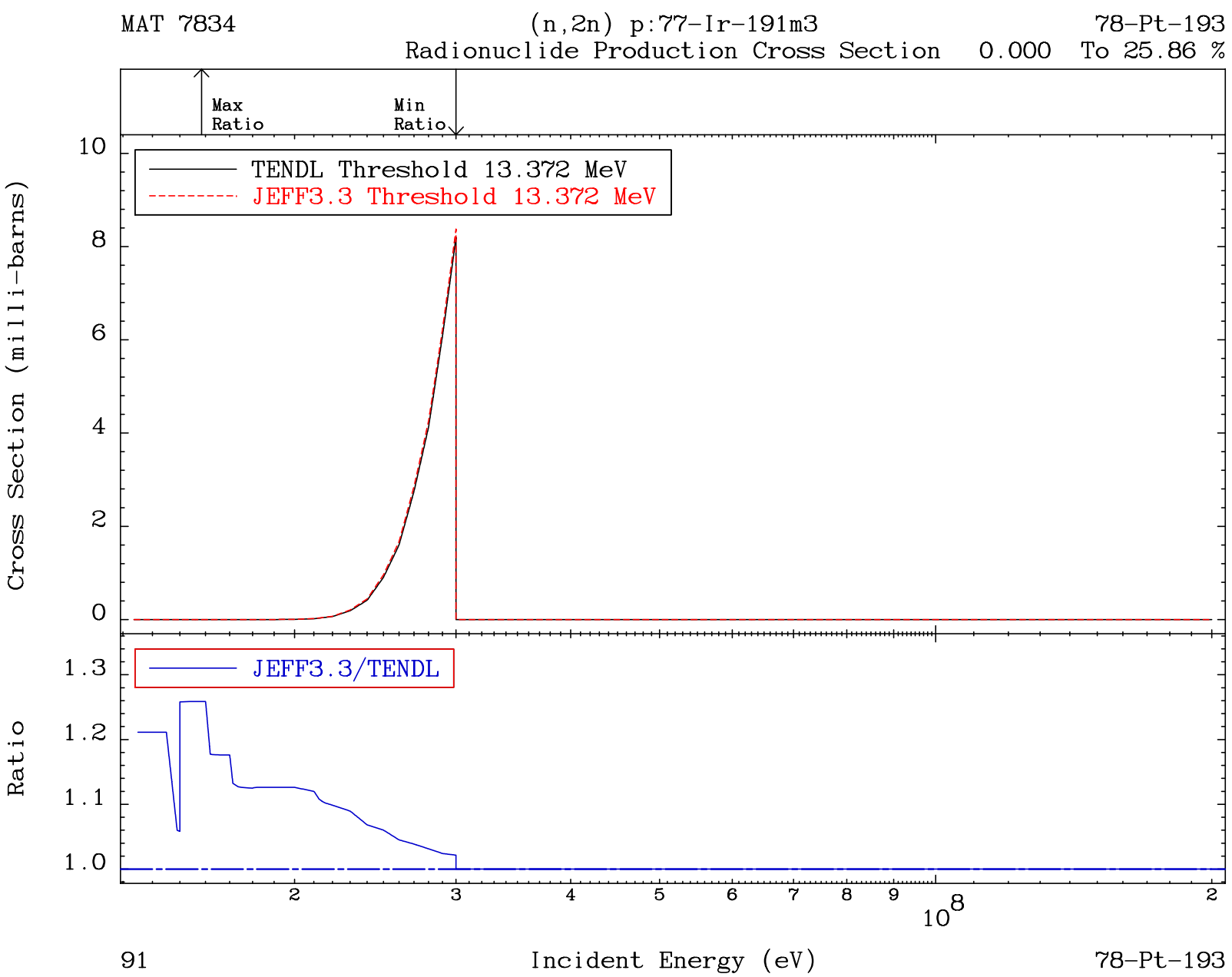

MAT 7834
(n,n') d:77-Ir-191m5
78-Pt-193
Radionuclide Production Cross Section 0.000 To 3.731 %
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JEFF3.3 Threshold 15.000 MeV
Cross Section (micro-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
78-Pt-193

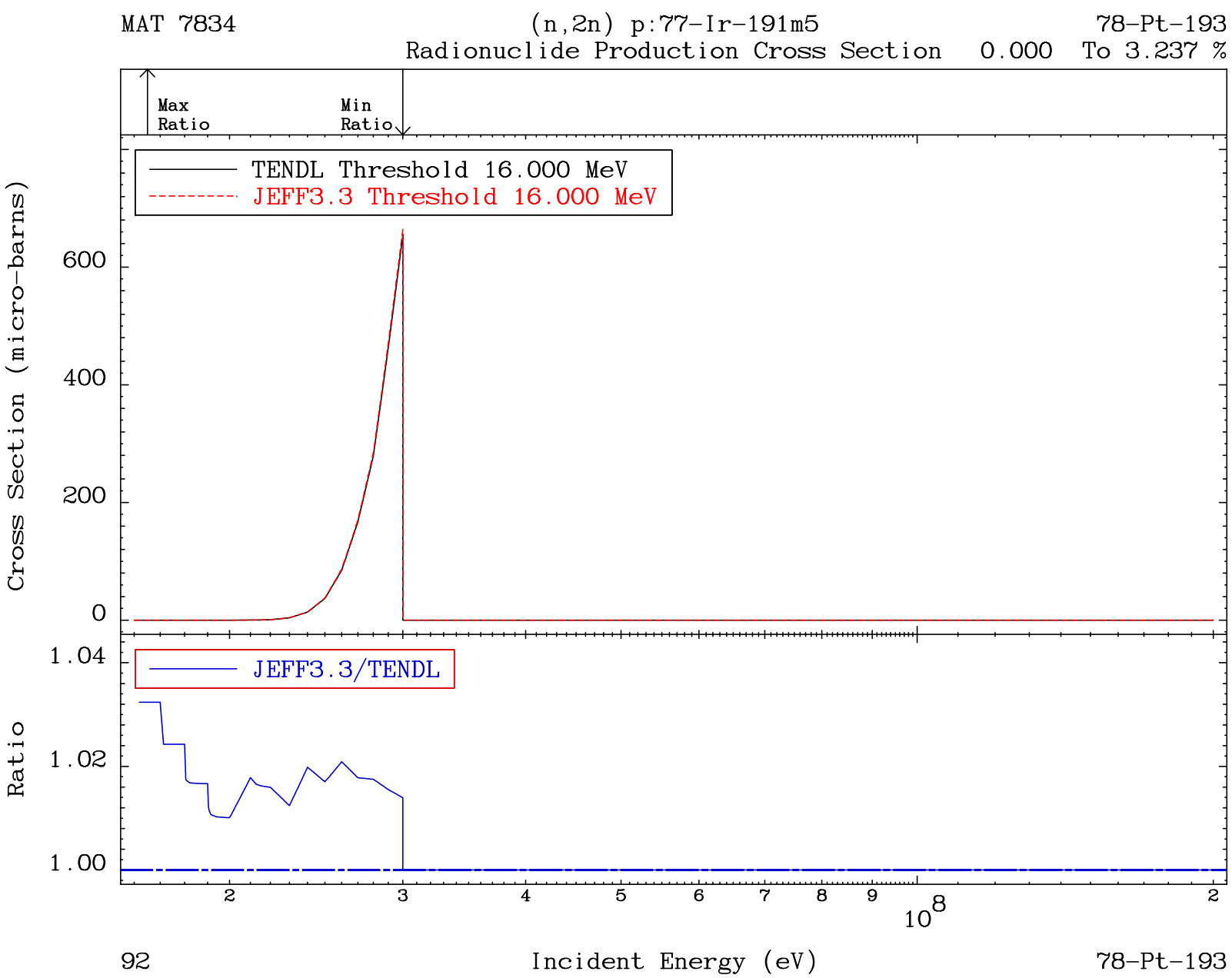

MAT 7834
(n,n') t:77-Ir-190g
78-Pt-193
Radionuclide Production Cross Section
-3.375 To 16.87 %
Min Ratio
Max Ratio
TENDL Threshold 12.742 MeV
JEFF3.3 Threshold 12.742 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
87
78-Pt-193

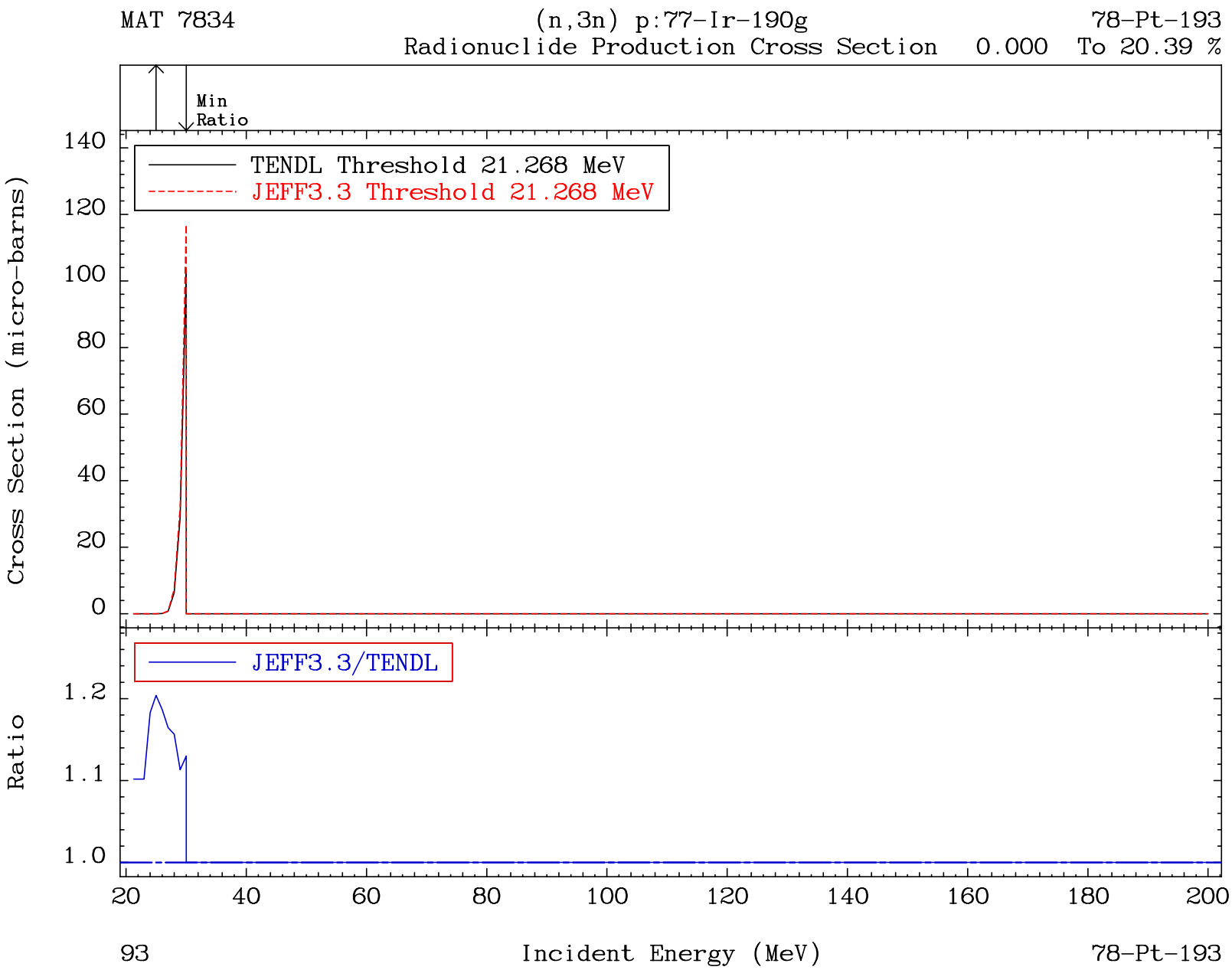

MAT 7834
(n,n') t:77-Ir-190m2
78-Pt-193
Radionuclide Production Cross Section
-6.739 To 30.72 %
Min Ratio
Max Ratio
TENDL Threshold 12.768 MeV
JEFF3.3 Threshold 12.768 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
78-Pt-193

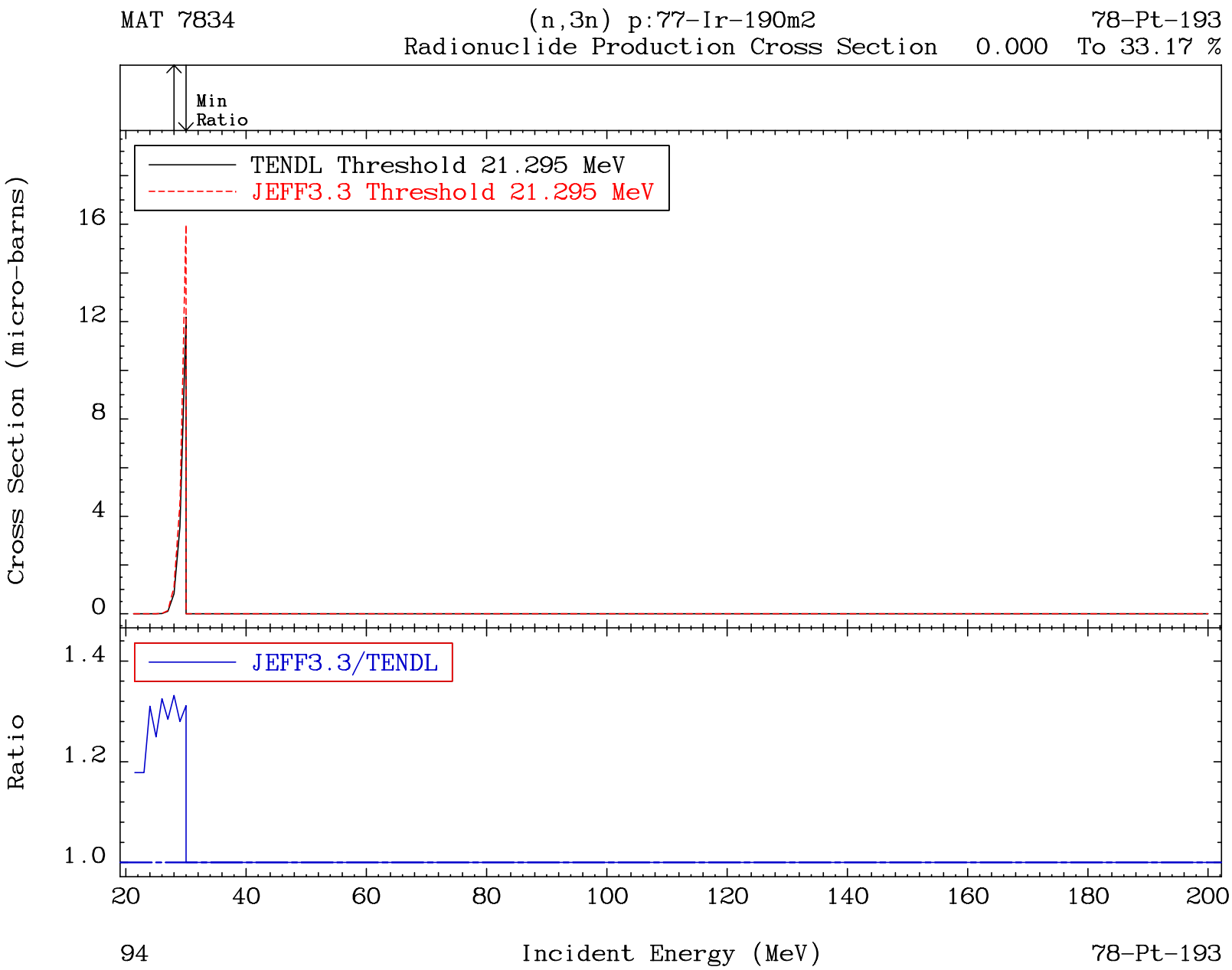

MAT 7834
(n,n') He-3:76-0s-190g
78-Pt-193
Radionuclide Production Cross Section -1.132 To 10.01 %
Min Ratio
Max Ratio
TENDL Threshold 10.759 MeV
JEFF3.3 Threshold 10.759 MeV
Cross Section (micro-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
78-Pt-193

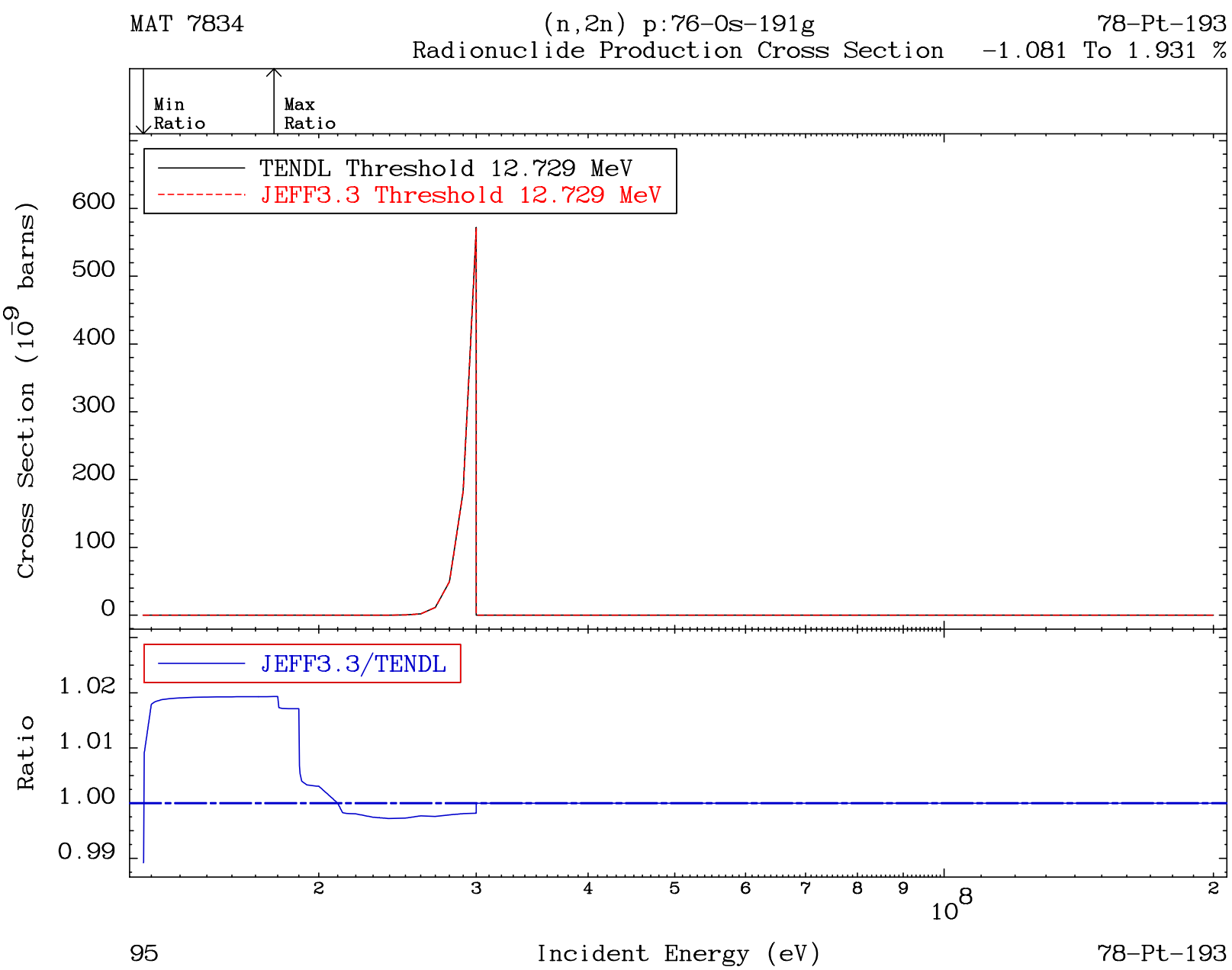

MAT 7834
(n,2n) p:77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section 0.000 To 24.22 %
Max Ratio
Min Ratio
TENDL Threshold 13.200 MeV
JEFF3.3 Threshold 13.200 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.0
1.1
1.2
1.3
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
78-Pt-193

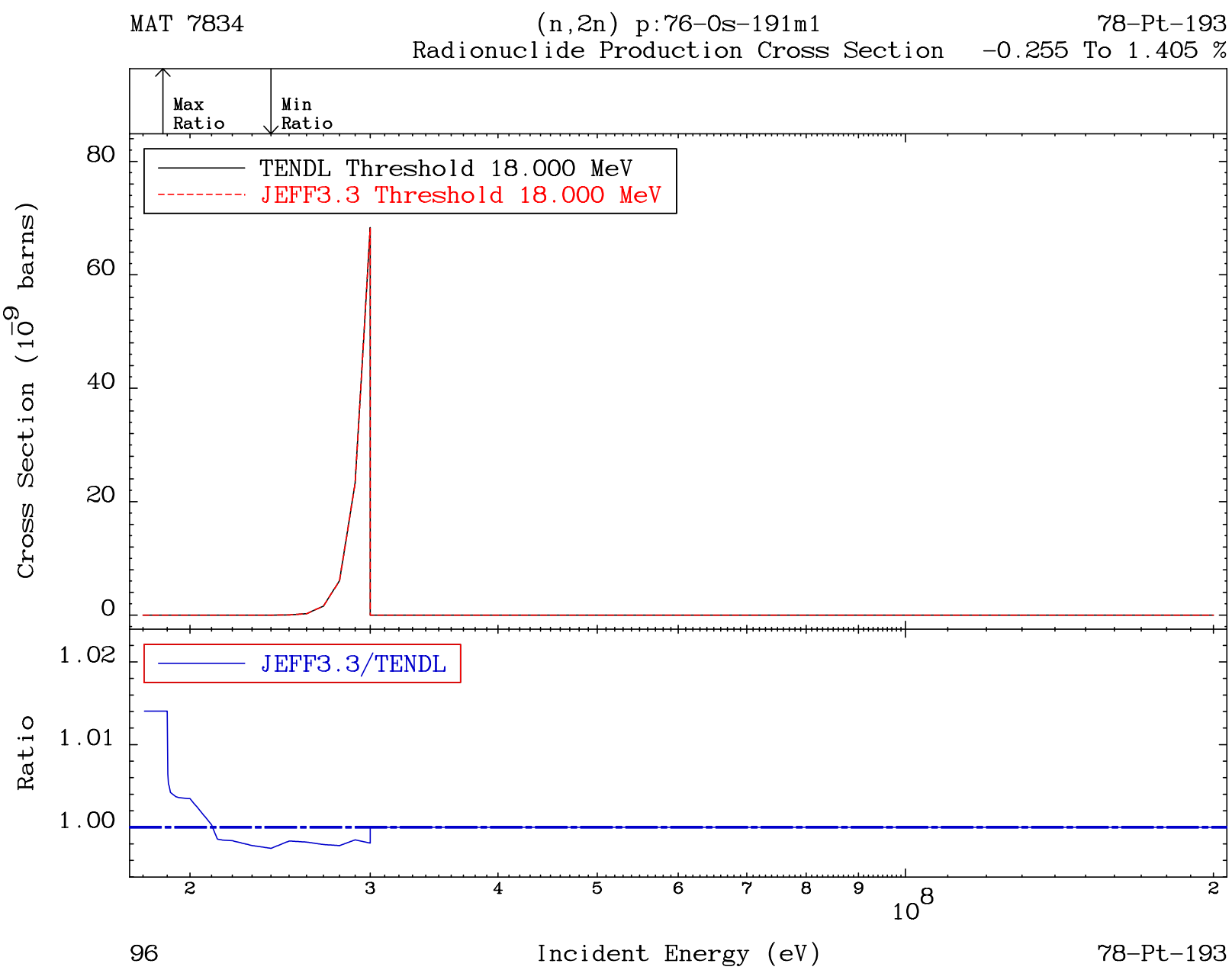

MAT 7834
(n,2n) p:77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section 0.000 To 25.86 %
Max Ratio
Min Ratio
TENDL Threshold 13.372 MeV
JEFF3.3 Threshold 13.372 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
78-Pt-193

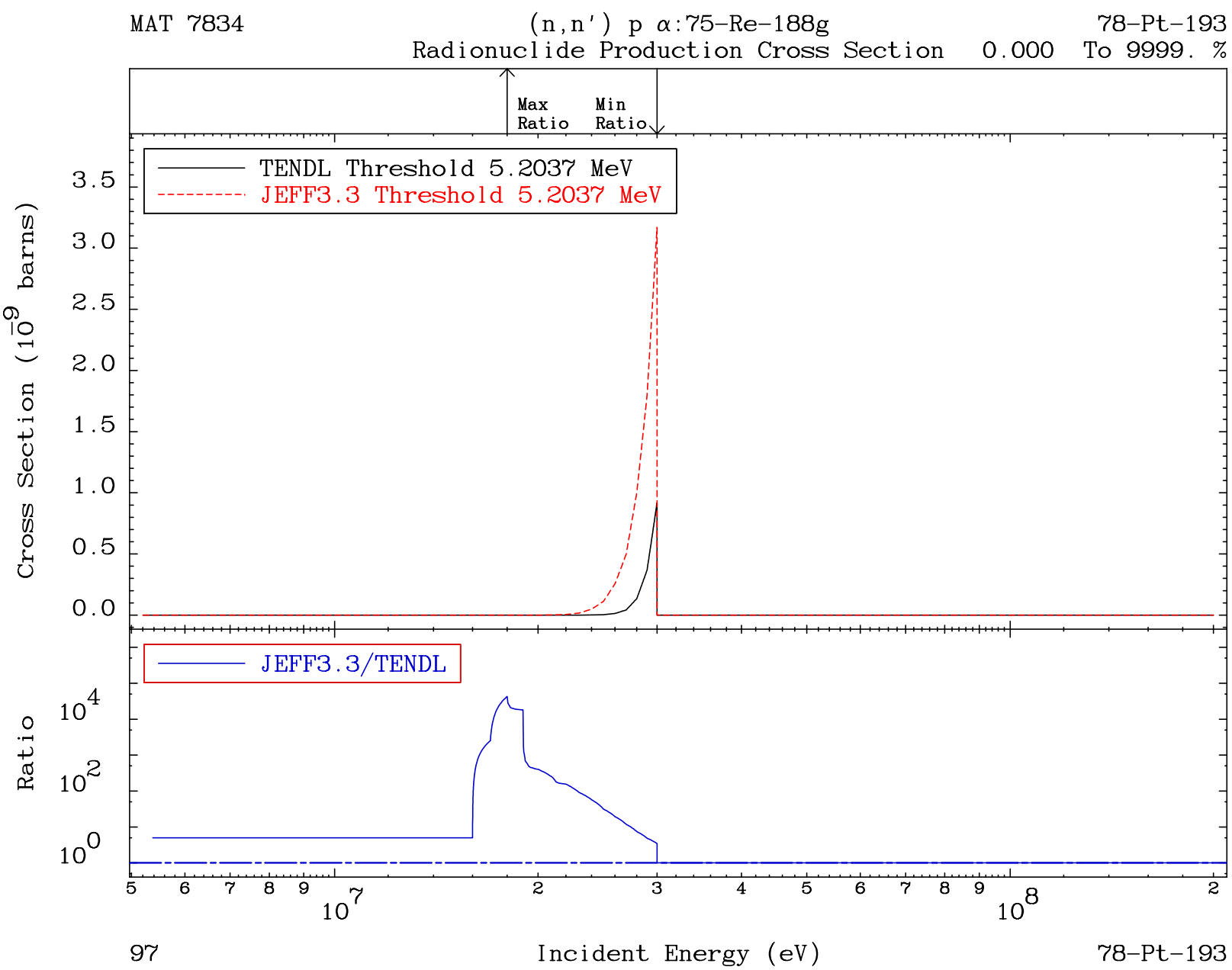

MAT 7834
(n,2n) p:77-Ir-191m5
78-Pt-193
Radionuclide Production Cross Section 0.000 To 3.237 %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
JEFF3.3 Threshold 16.000 MeV
Cross Section (micro-barns)
600
400
200
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
78-Pt-193

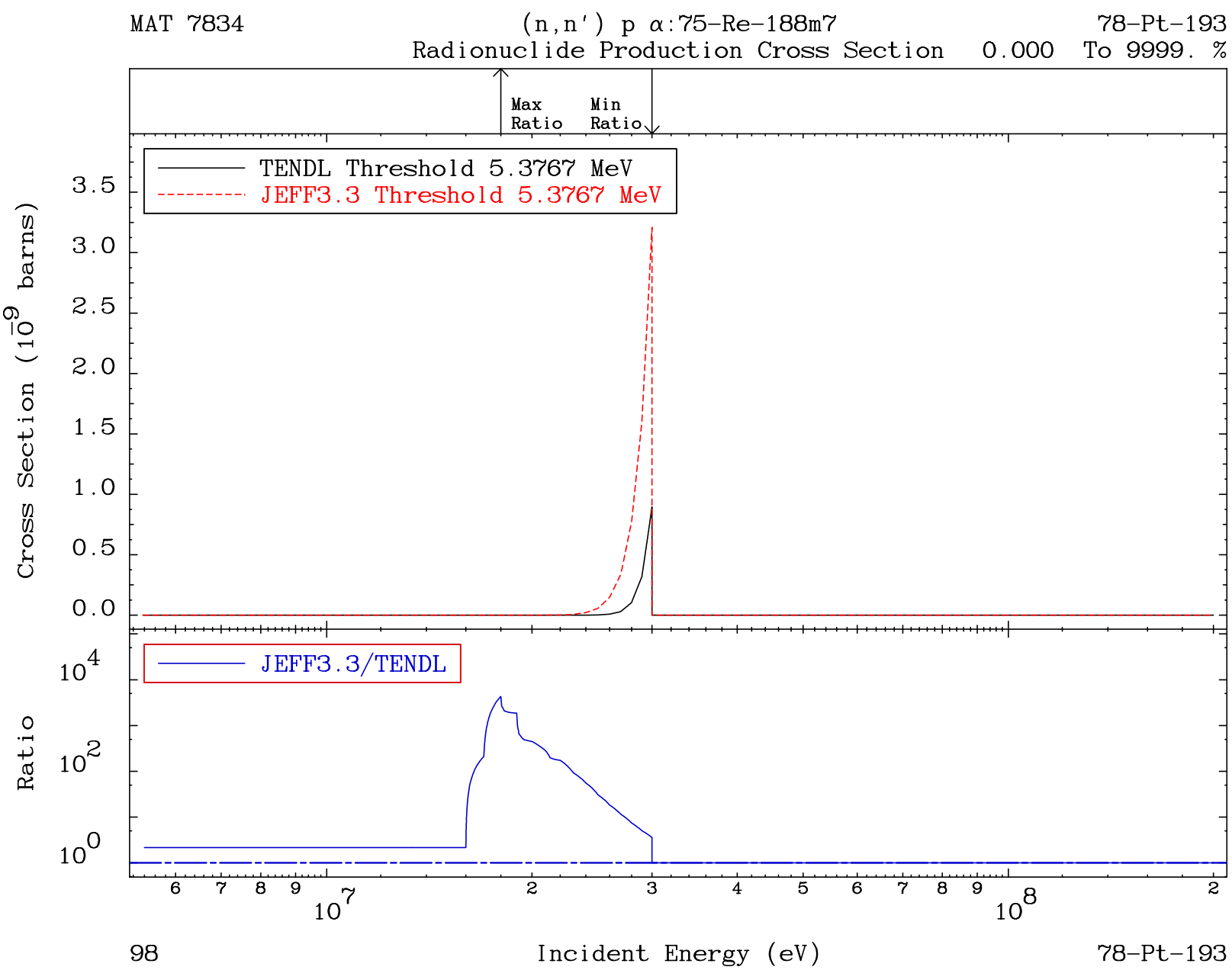

MAT 7834
(n,3n) p:77-Ir-190g
78-Pt-193
Radionuclide Production Cross Section 0.000 To 20.39 %
Min
Ratio
TENDL Threshold 21.268 MeV
JEFF3.3 Threshold 21.268 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
20
40
60
80
100
120
140
160
180
200
93
Incident Energy (MeV)
78-Pt-193

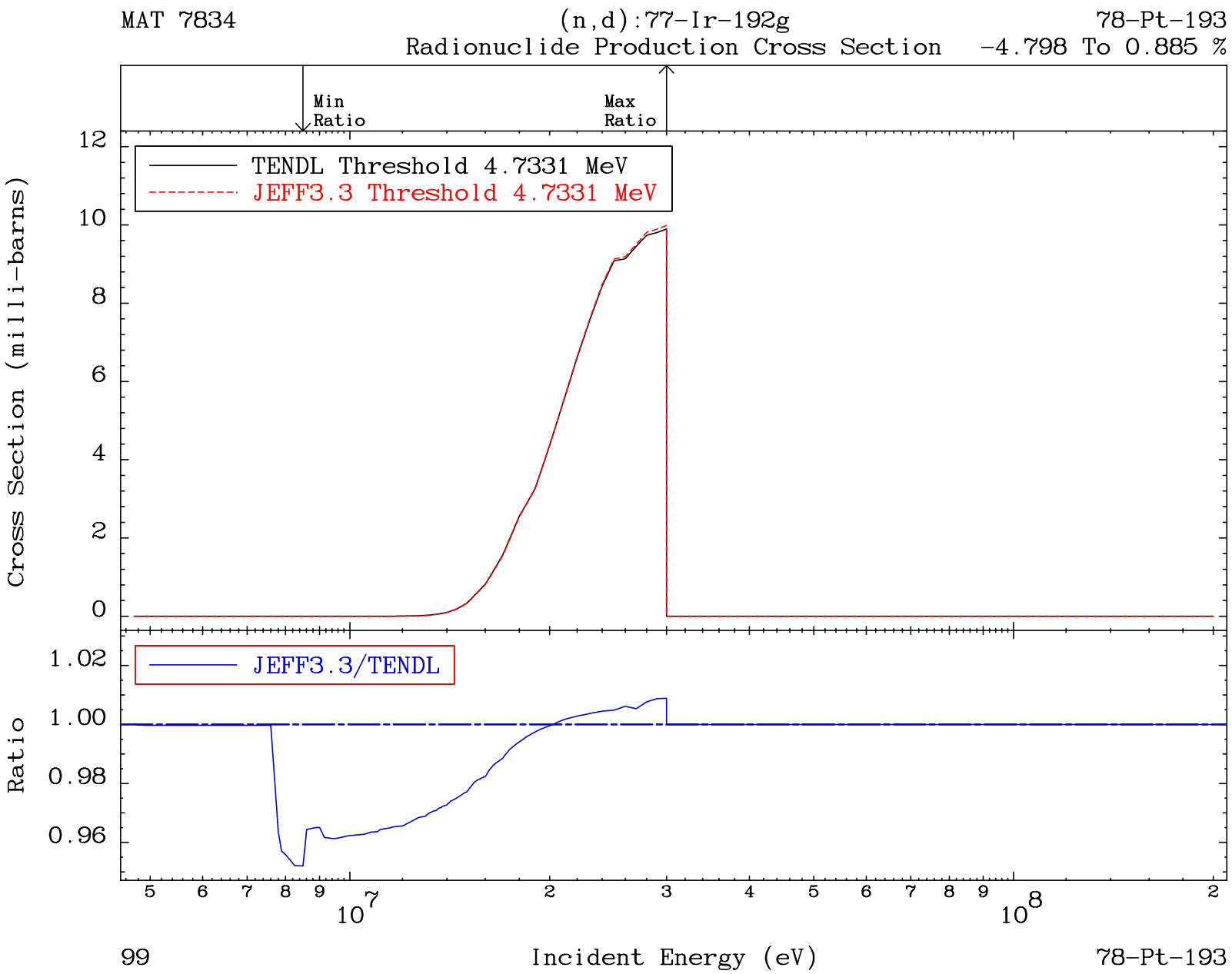

MAT 7834
(n,3n) p:77-Ir-190m2
78-Pt-193
Radionuclide Production Cross Section 0.000 To 33.17 %
Min
Ratio
TENDL Threshold 21.295 MeV
JEFF3.3 Threshold 21.295 MeV
Cross Section (micro-barns)
16
12
8
4
0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
20
40
60
80
100
120
140
160
180
200
94
Incident Energy (MeV)
78-Pt-193

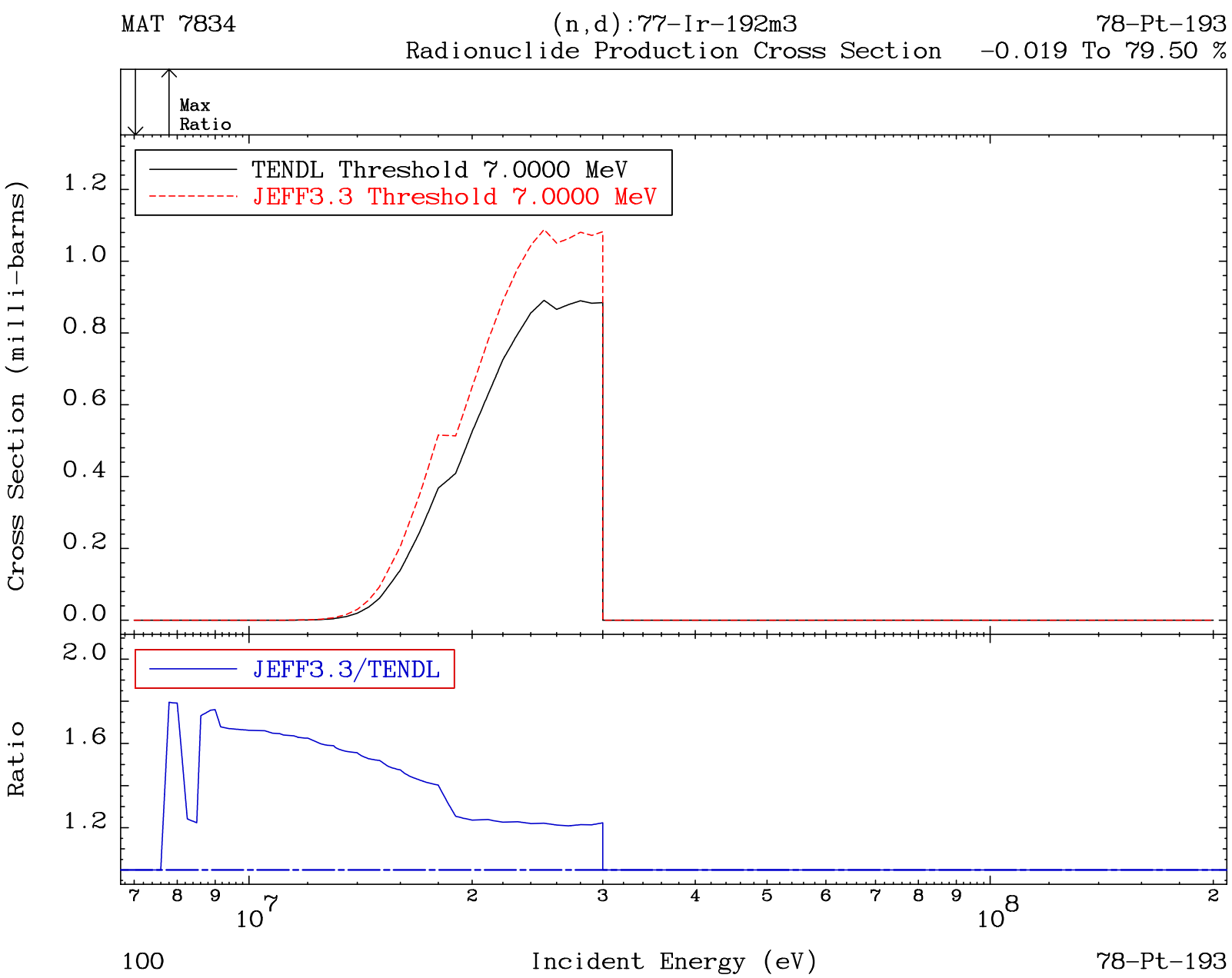

MAT 7834
(n,2n) p:76-Os-191g
78-Pt-193
Radionuclide Production Cross Section -1.081 To 1.931 %
Min Ratio
Max Ratio
TENDL Threshold 12.729 MeV
JEFF3.3 Threshold 12.729 MeV
Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
78-Pt-193

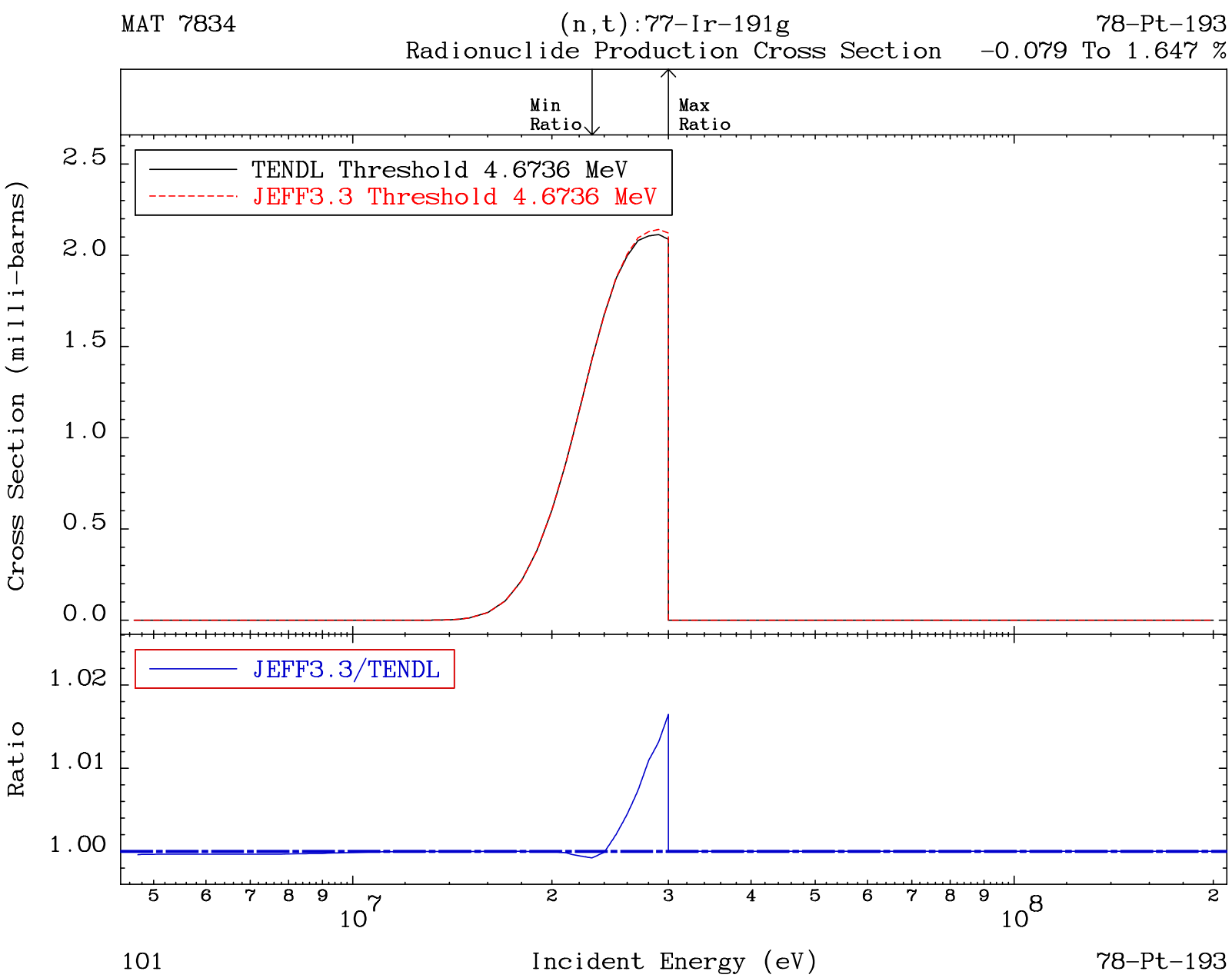

MAT 7834
(n,2n) p:76-Os-191m1
78-Pt-193
Radionuclide Production Cross Section
-0.255 To 1.405 %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 18.000 MeV
Cross Section (10^{-9} barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
78-Pt-193

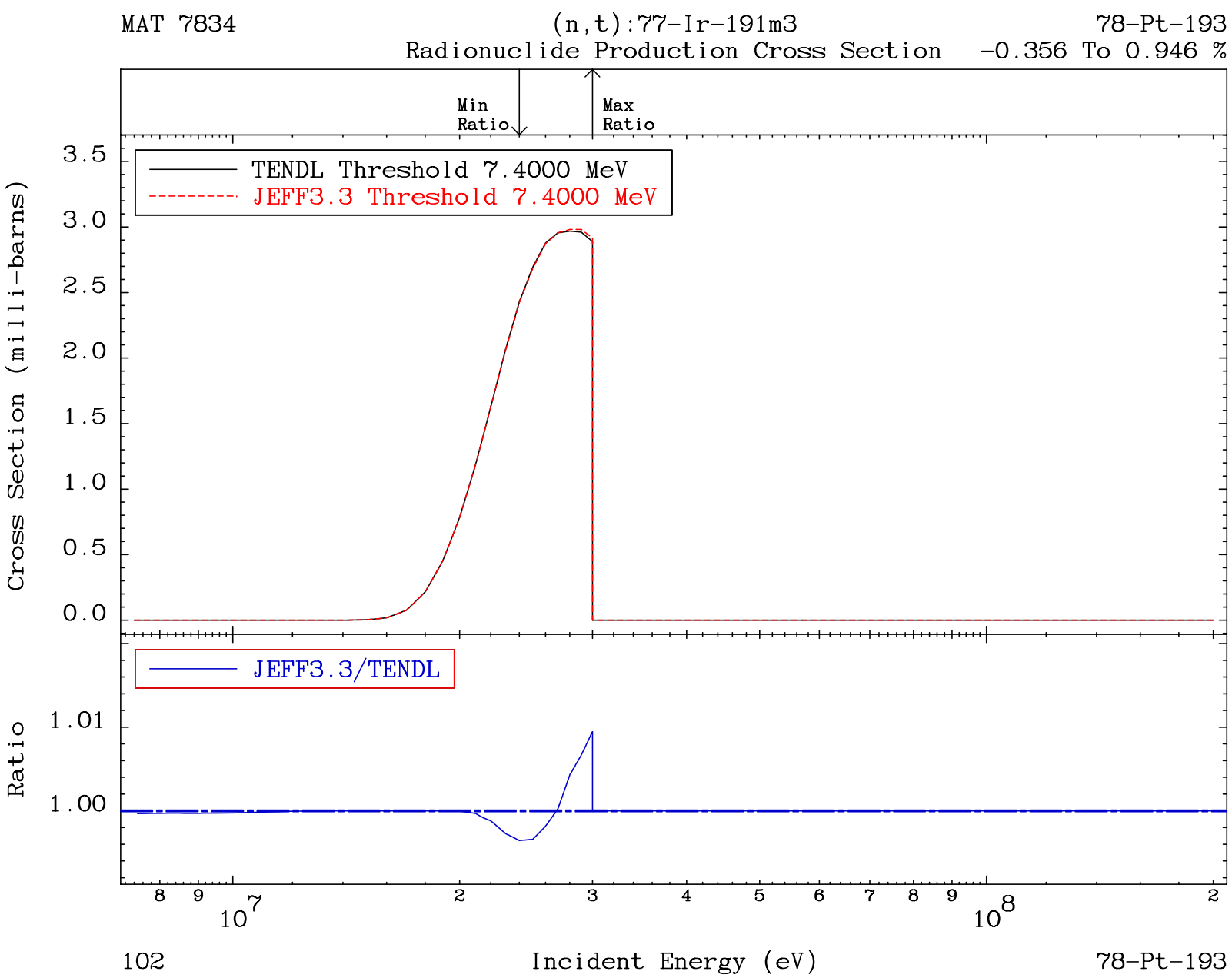

MAT 7834
(n,n') p α:75-Re-188g
78-Pt-193
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.2037 MeV
JEFF3.3 Threshold 5.2037 MeV
Cross Section (10^{-9} barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
97
Incident Energy (eV)
78-Pt-193

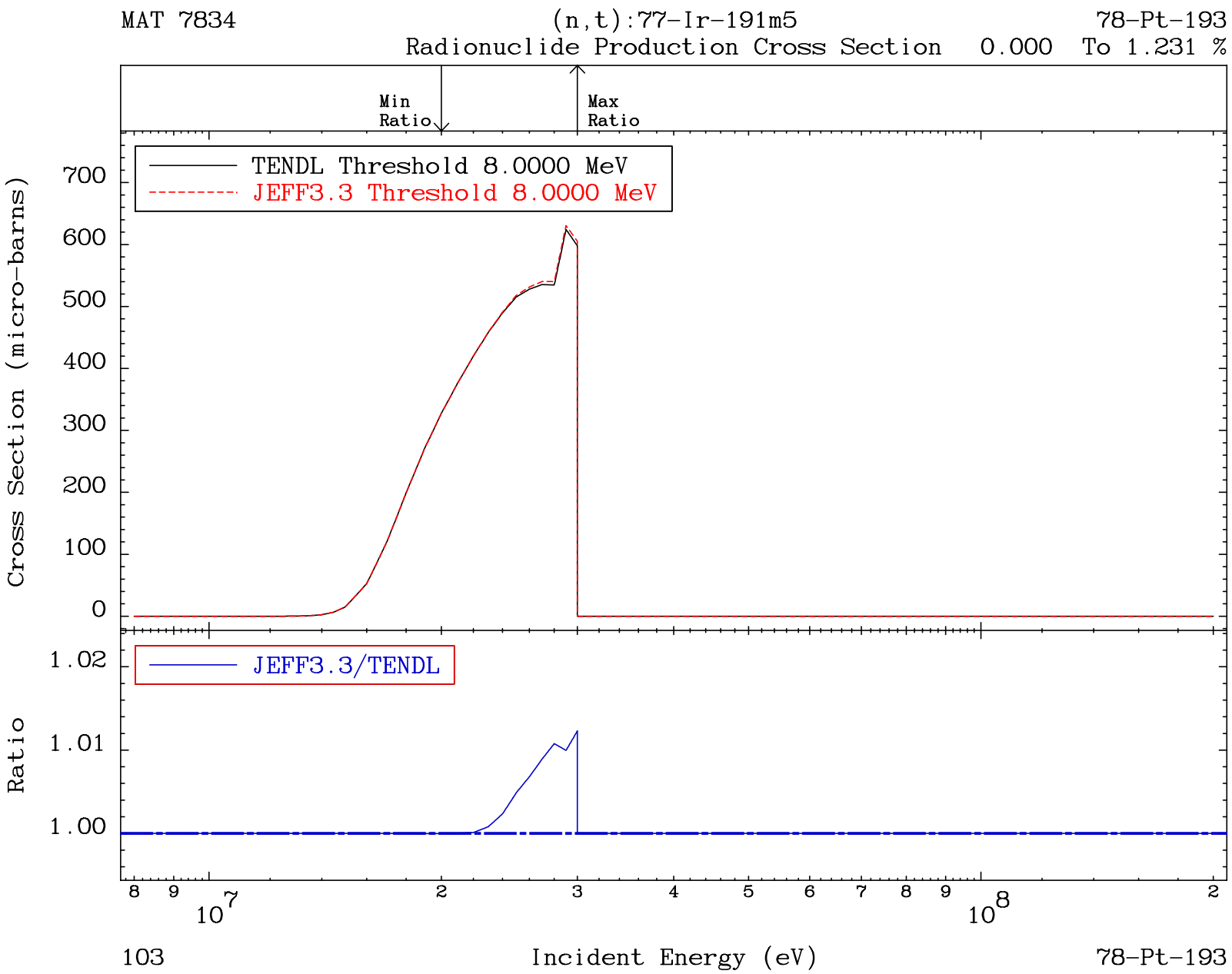

MAT 7834
(n,n') p α:75-Re-188m7
78-Pt-193
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.3767 MeV
JEFF3.3 Threshold 5.3767 MeV
Cross Section (10^{-9} barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
98
Incident Energy (eV)
78-Pt-193

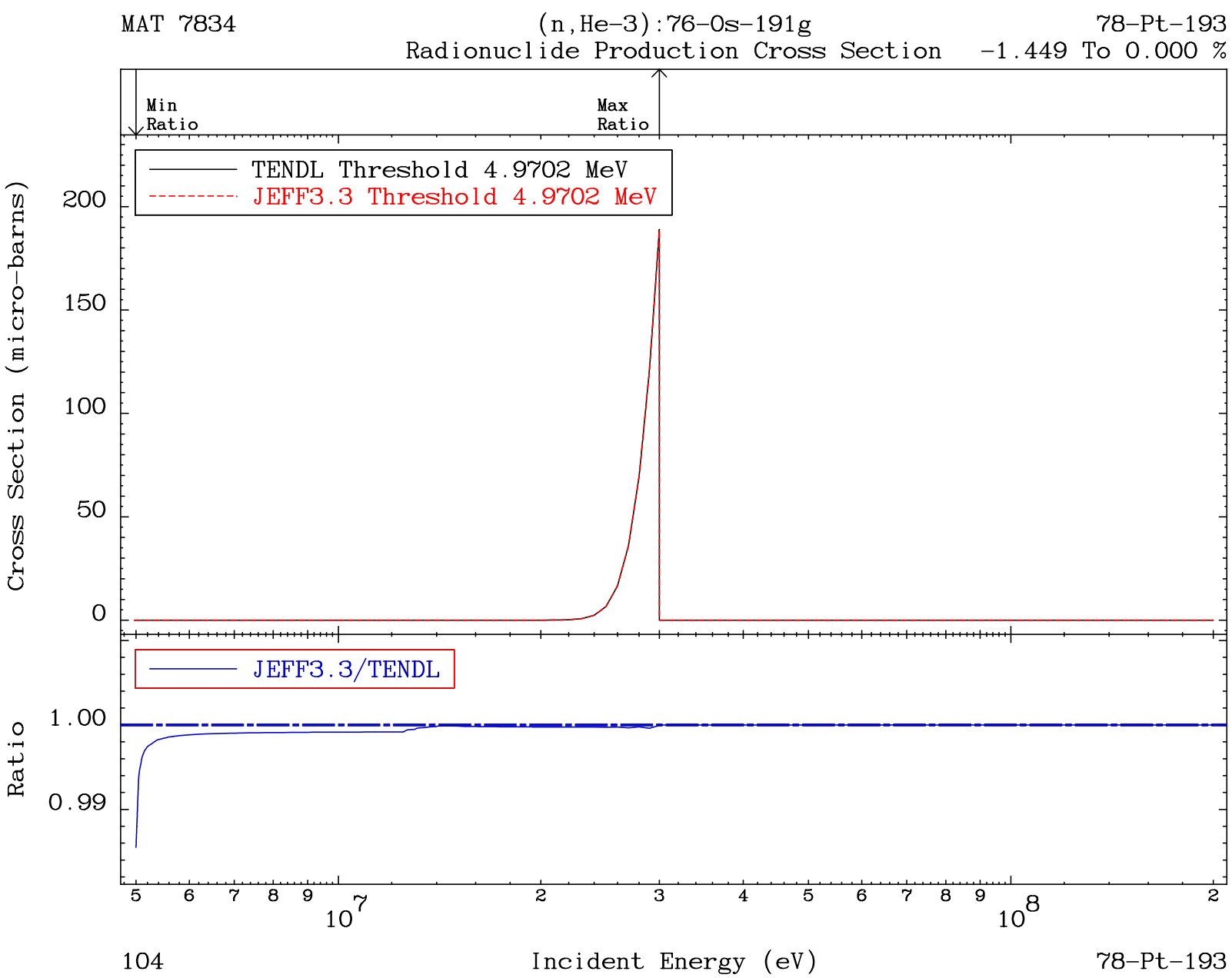

MAT 7834
(n,d):77-Ir-192g
78-Pt-193
Radionuclide Production Cross Section -4.798 To 0.885 %
Min Ratio
Max Ratio
TENDL Threshold 4.7331 MeV
JEFF3.3 Threshold 4.7331 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
99
78-Pt-193

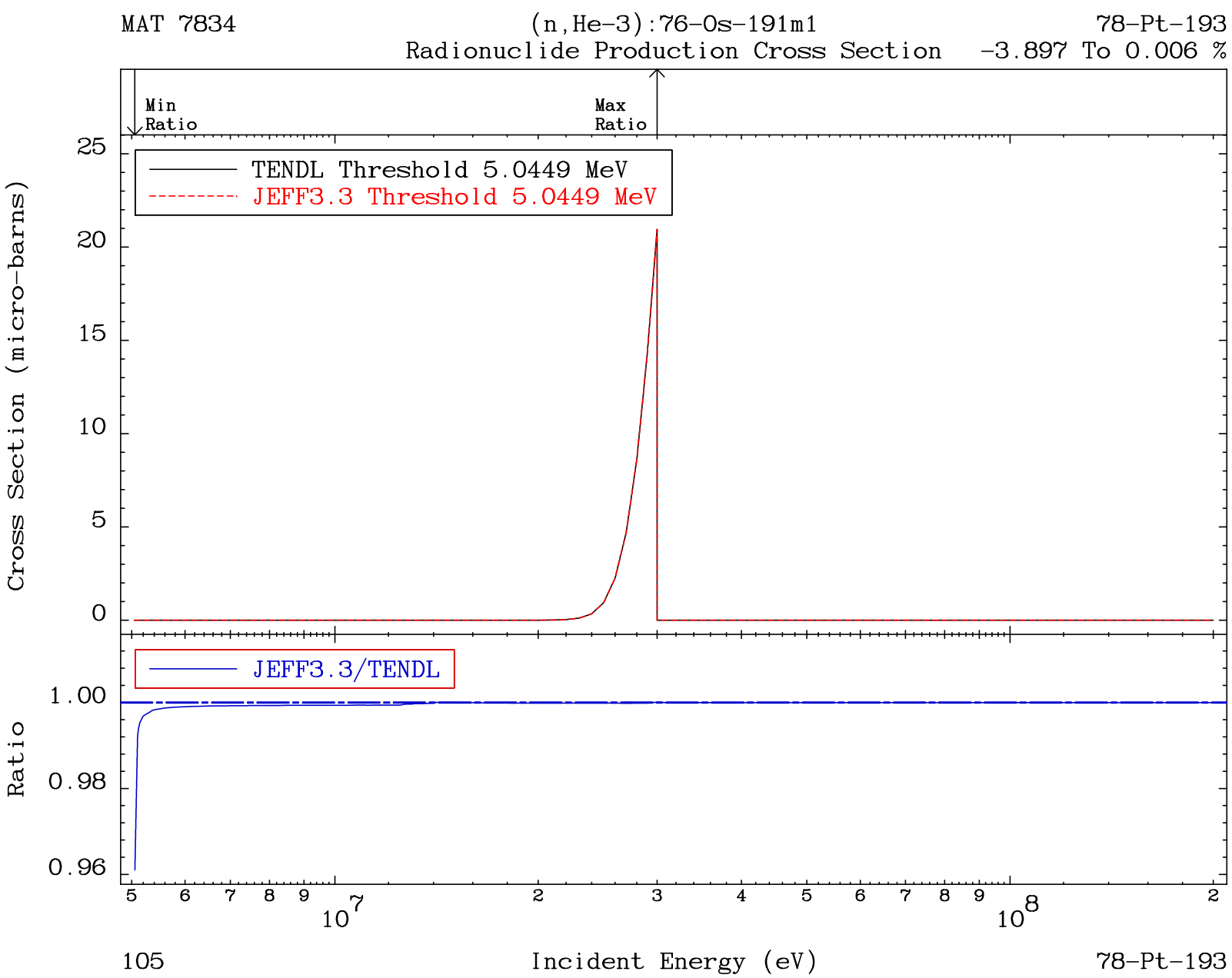

MAT 7834
(n,d):77-Ir-192m3
78-Pt-193
Radionuclide Production Cross Section
-0.019 To 79.50 %
Max Ratio
TENDL Threshold 7.0000 MeV
JEFF3.3 Threshold 7.0000 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
100
Incident Energy (eV)
78-Pt-193

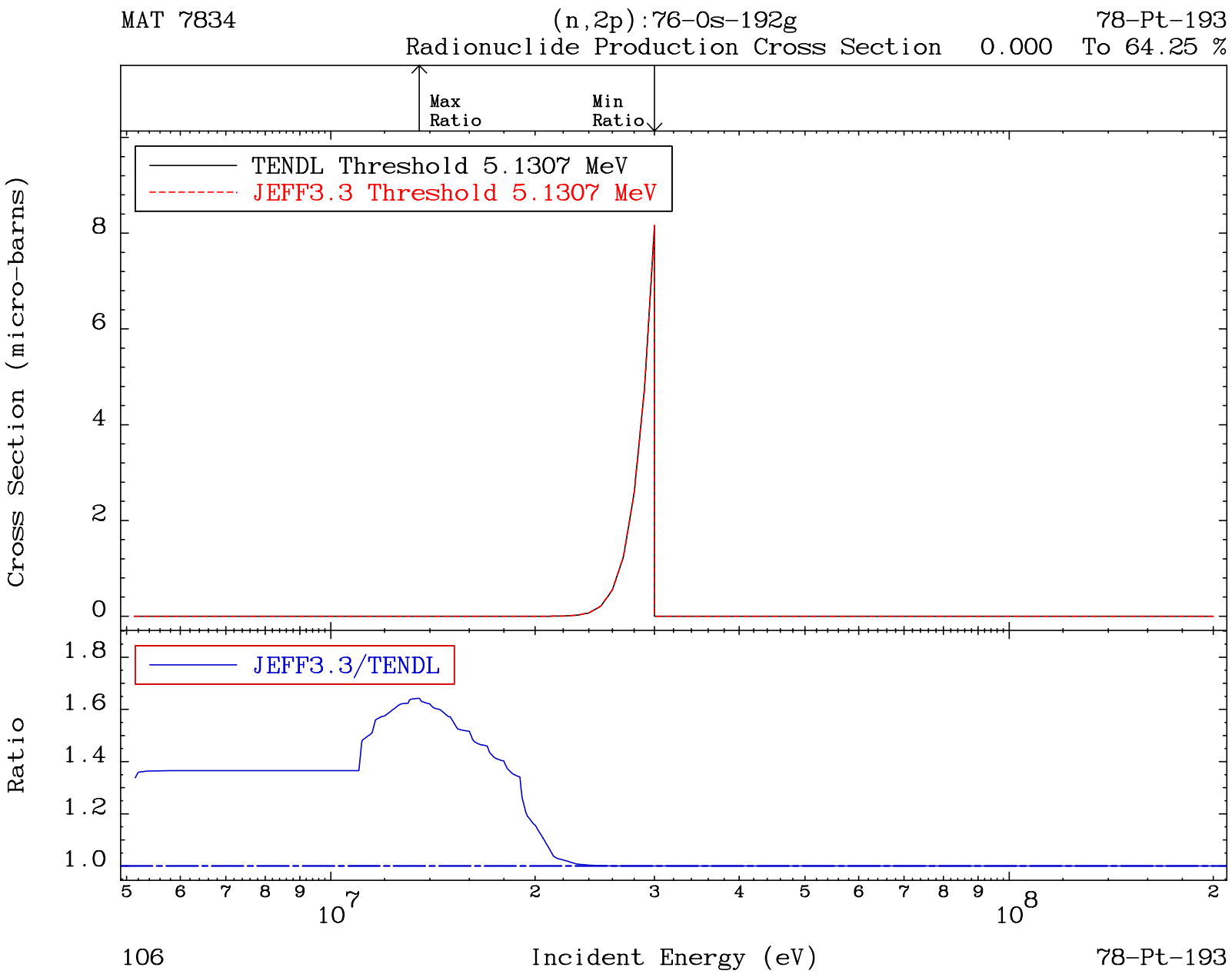

MAT 7834
(n,t):77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section
-0.079 To 1.647 %
Min Ratio
Max Ratio
TENDL Threshold 4.6736 MeV
JEFF3.3 Threshold 4.6736 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
101
Incident Energy (eV)
78-Pt-193

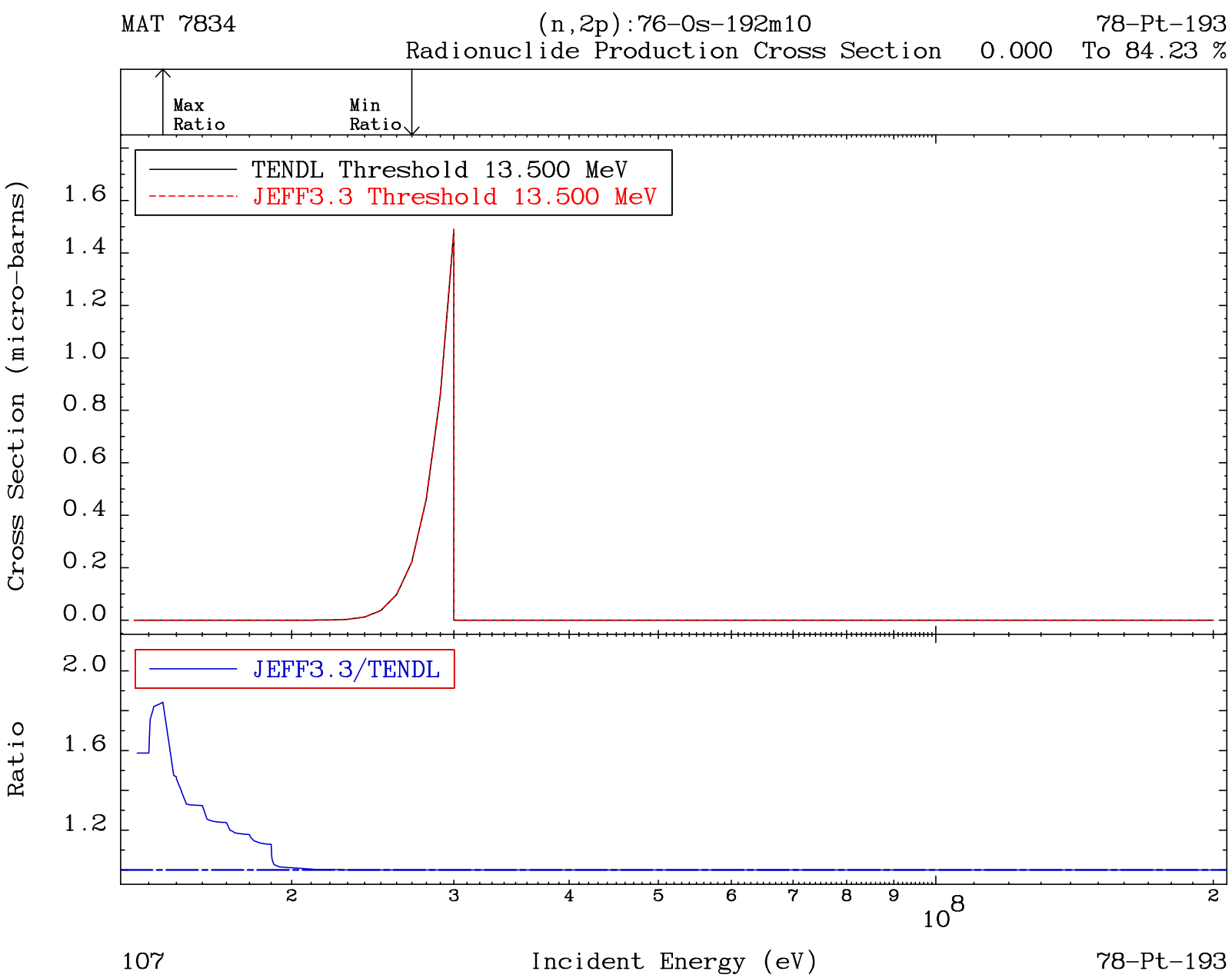

MAT 7834
(n,t):77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section -0.356 To 0.946 %
Min Ratio
Max Ratio
TENDL Threshold 7.4000 MeV
JEFF3.3 Threshold 7.4000 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
102
Incident Energy (eV)
78-Pt-193

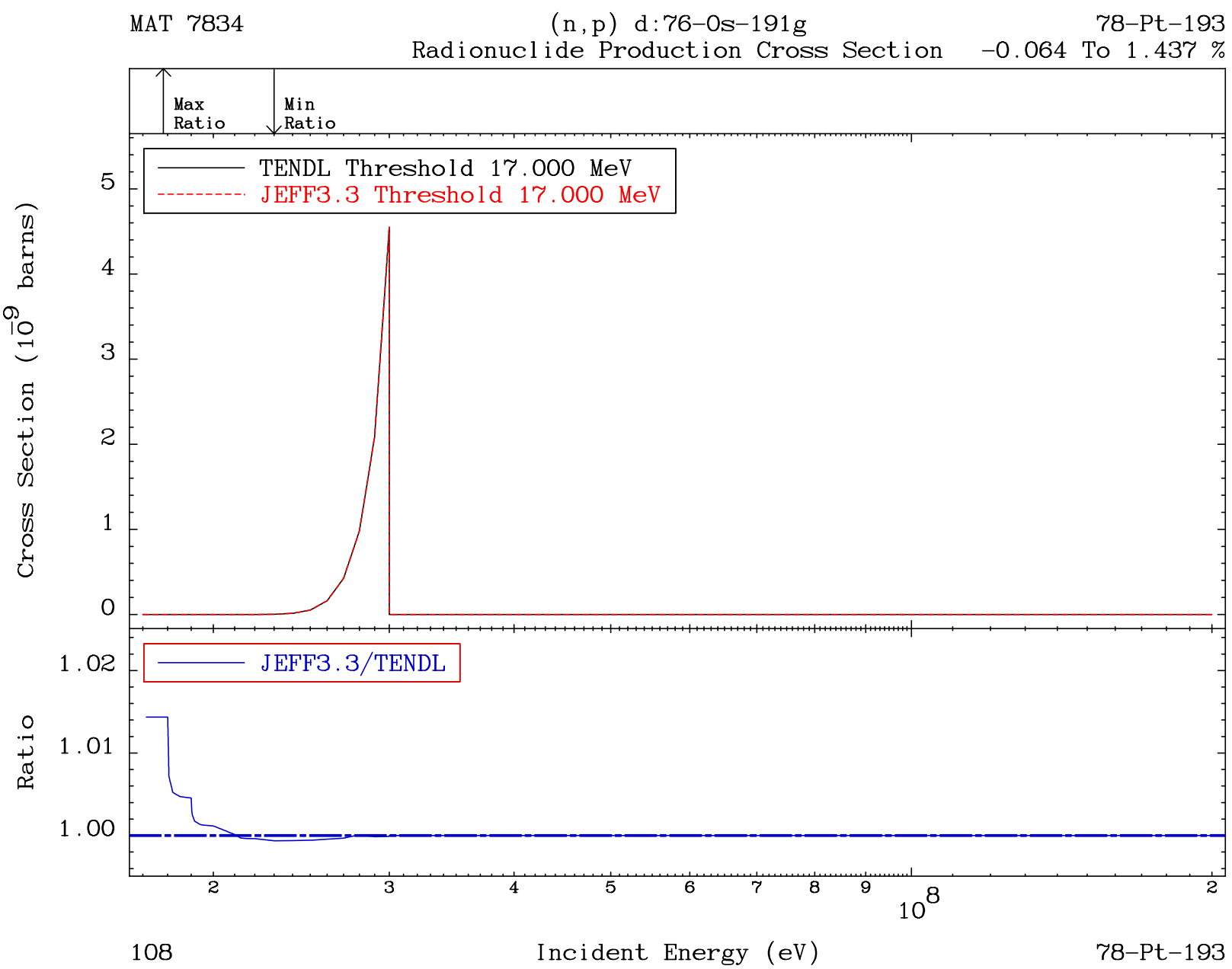

MAT 7834
(n,t):77-Ir-191m5
78-Pt-193
Radionuclide Production Cross Section 0.000 To 1.231 %
Min Ratio
Max Ratio
TENDL Threshold 8.0000 MeV
JEFF3.3 Threshold 8.0000 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
103
Incident Energy (eV)
78-Pt-193

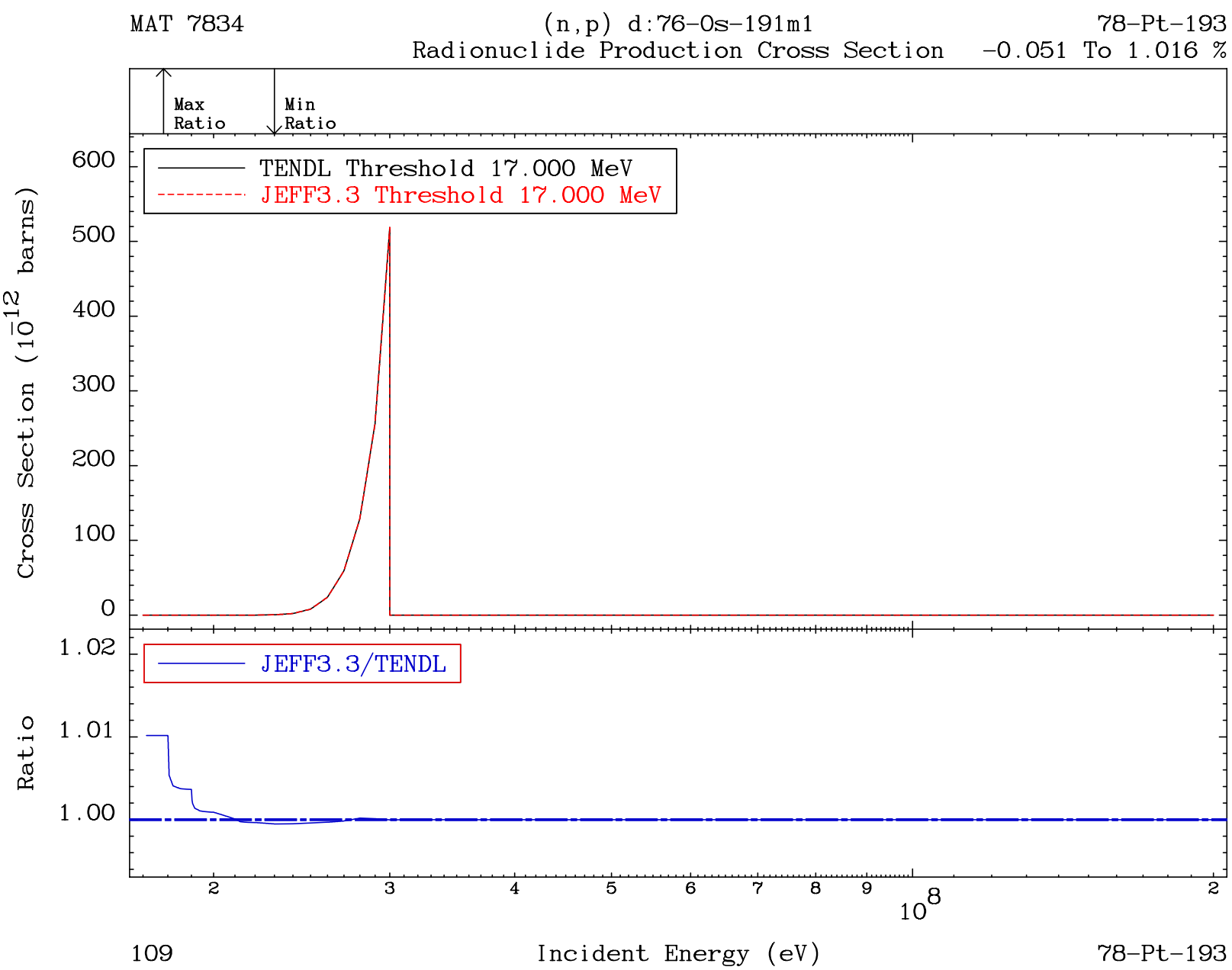

MAT 7834
(n,He-3):76-Os-191g
78-Pt-193
Radionuclide Production Cross Section
-1.449 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JEFF3.3 Threshold 4.9702 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
104
Incident Energy (eV)
78-Pt-193

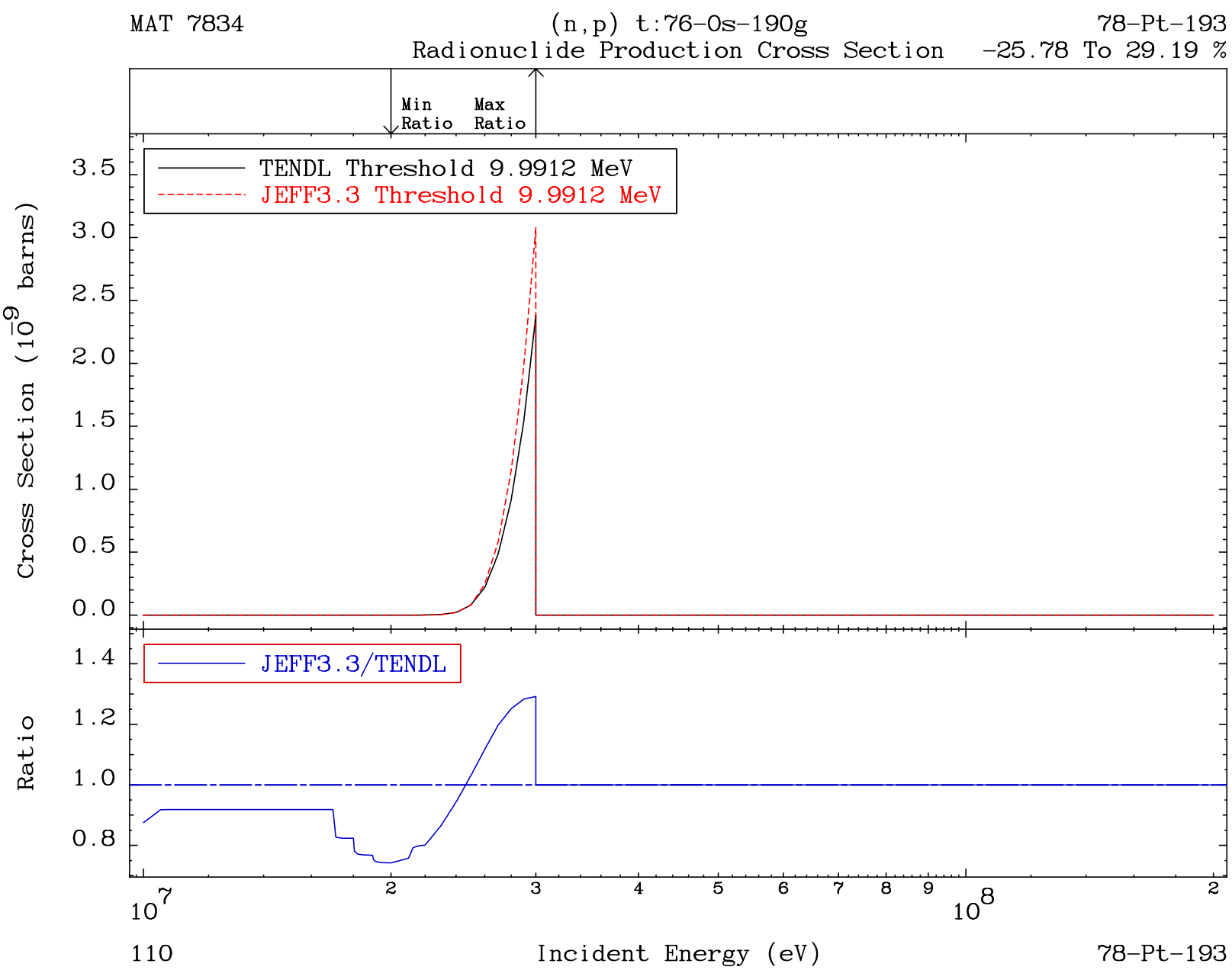

MAT 7834
(n,He-3):76-0s-191m1
78-Pt-193
Radionuclide Production Cross Section
-3.897 To 0.006 %
Min Ratio
Max Ratio
TENDL Threshold 5.0449 MeV
JEFF3.3 Threshold 5.0449 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
105
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,2p):76-0s-192g
78-Pt-193
Radionuclide Production Cross Section 0.000 To 64.25 %
Max Ratio
Min Ratio
TENDL Threshold 5.1307 MeV
JEFF3.3 Threshold 5.1307 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.0
1.2
1.4
1.6
1.8
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
106
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,2p):76-0s-192m10
78-Pt-193
Radionuclide Production Cross Section 0.000 To 84.23 %
Max Ratio
Min Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
Cross Section (micro-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
107
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,p) d:76-0s-191g
78-Pt-193
Radionuclide Production Cross Section
-0.064 To 1.437 %
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 17.000 MeV
Cross Section (10^{-9} barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
2
3
4
5
6
7
8
9
10^8
2
108
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,p) d:76-Os-191m1
78-Pt-193
Radionuclide Production Cross Section -0.051 To 1.016 %
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 17.000 MeV
Cross Section (10^{-12} barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
109
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,p) t:76-0s-190g
78-Pt-193
Radionuclide Production Cross Section
-25.78 To 29.19 %
Min Ratio
Max Ratio
TENDL Threshold 9.9912 MeV
JEFF3.3 Threshold 9.9912 MeV
Cross Section (10^{-9} barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.4
1.2
1.0
0.8
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
110
Incident Energy (eV)
78-Pt-193