Program Complot
(Version 2021-1)
by
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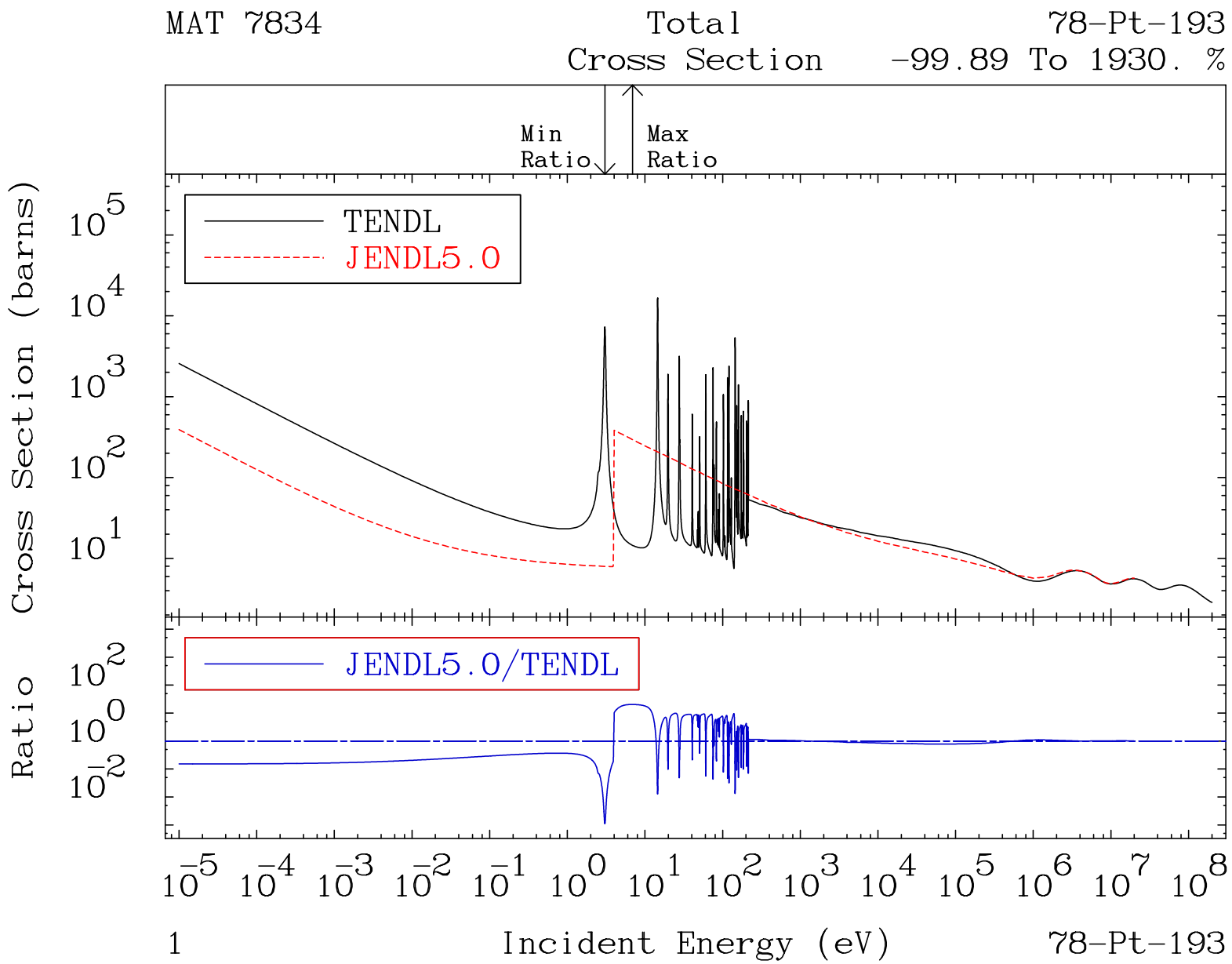
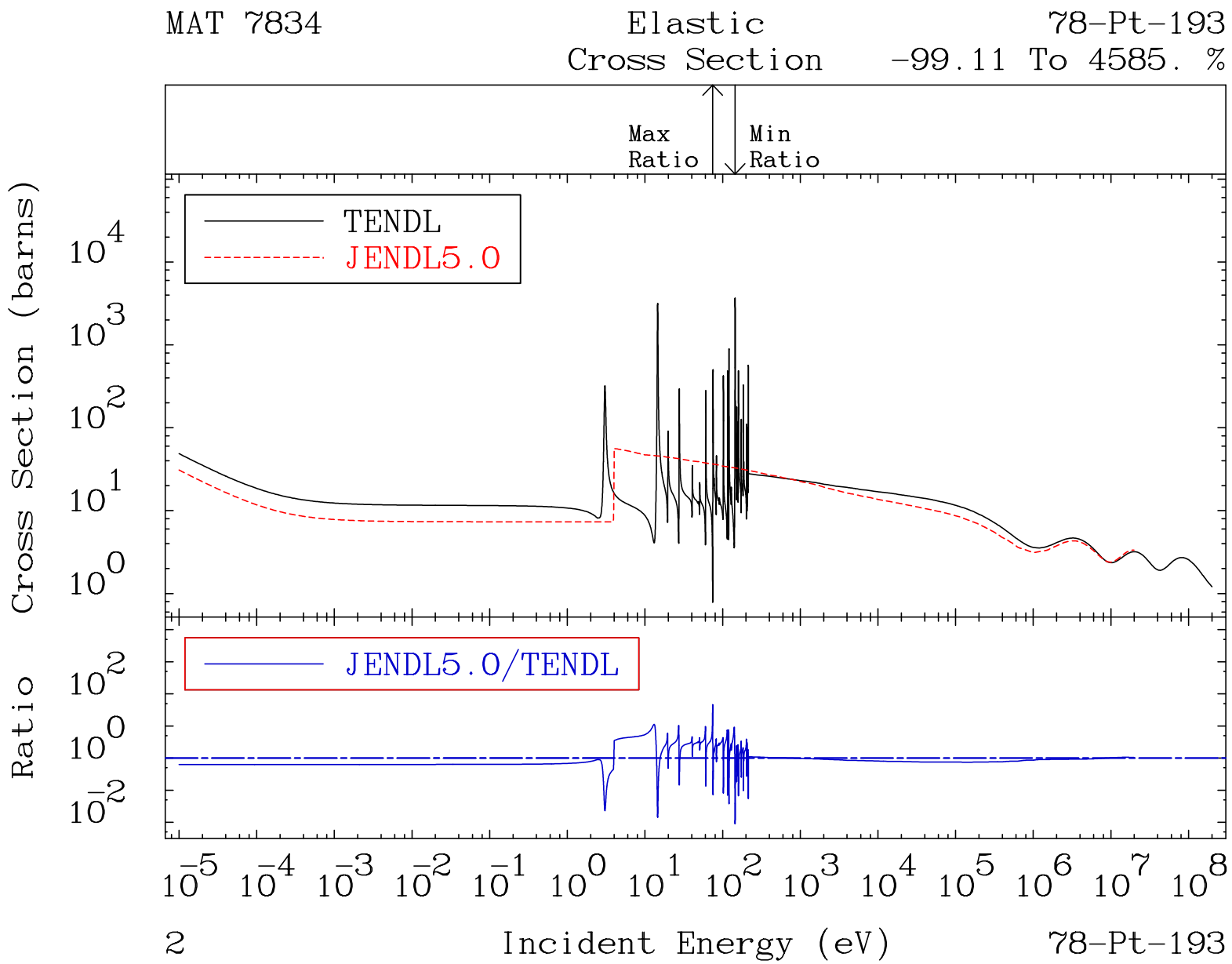
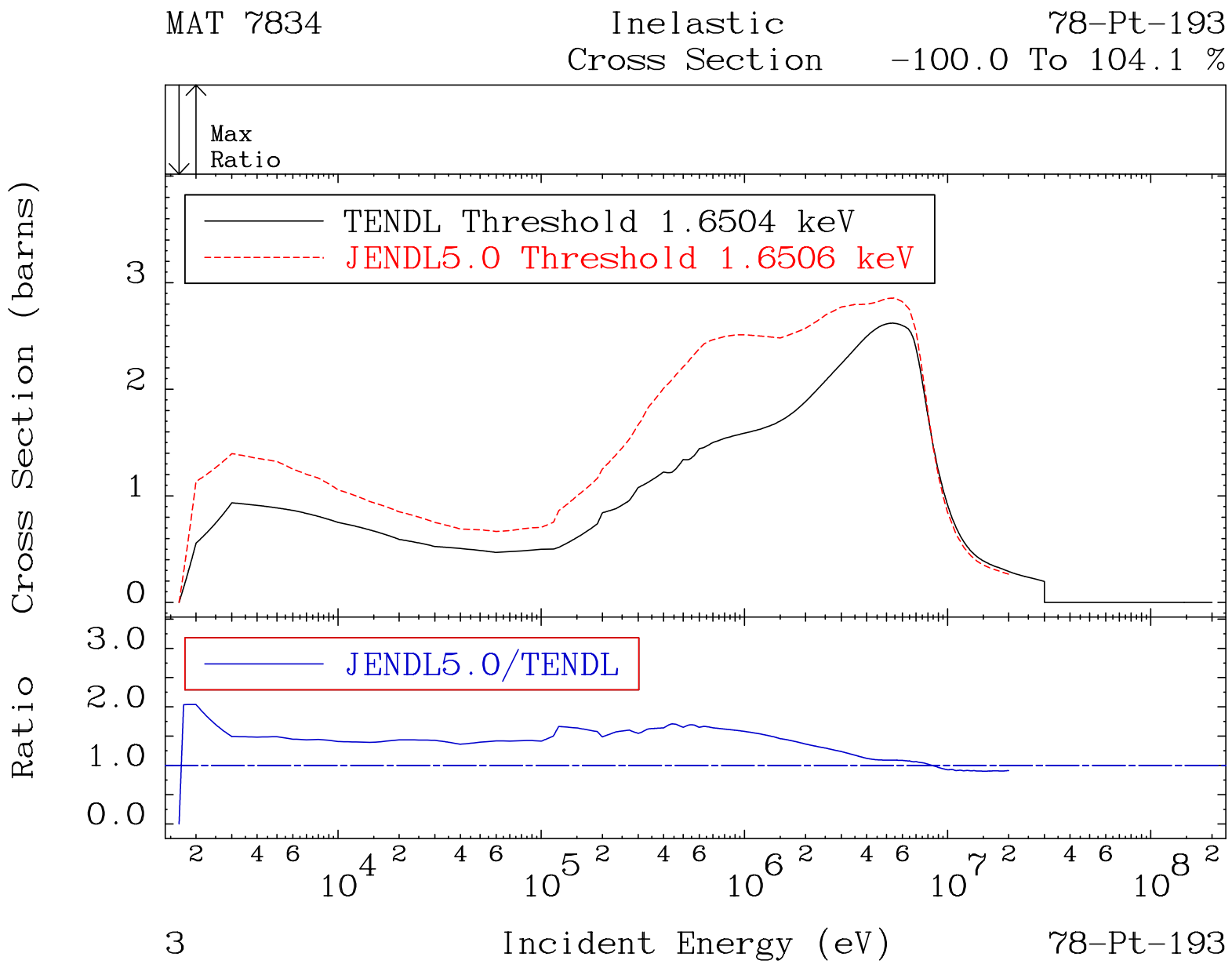
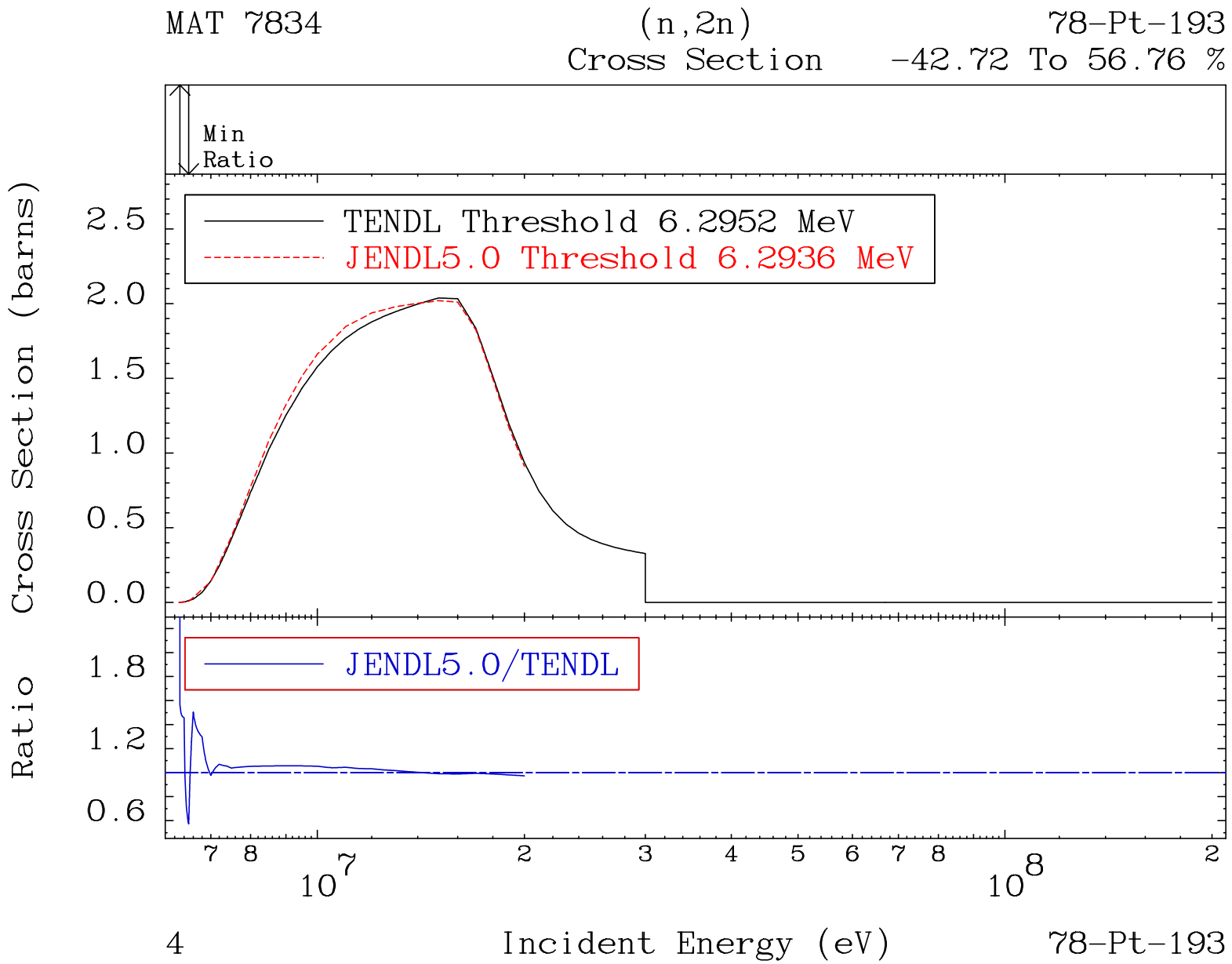
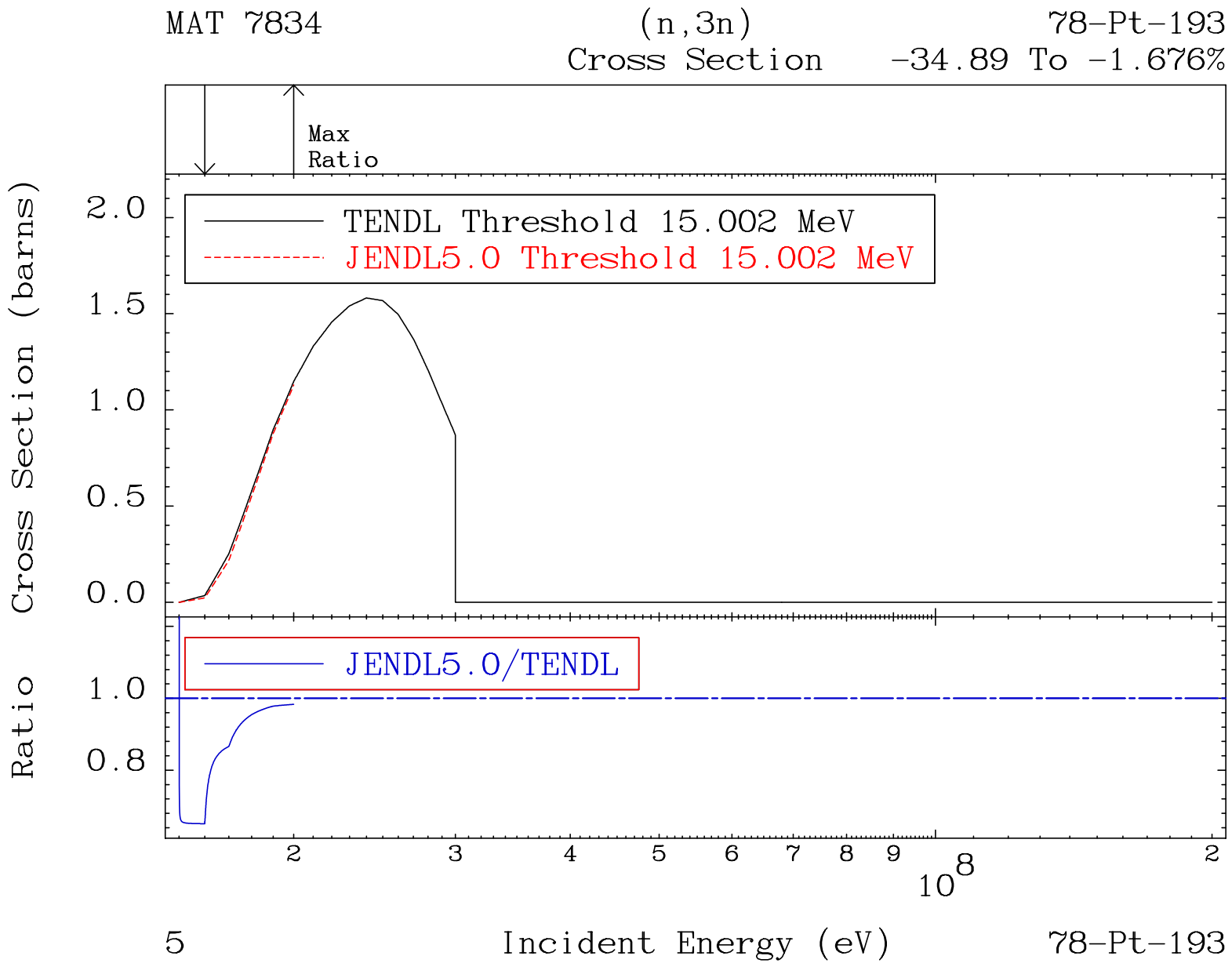
Press Mouse Button to Start

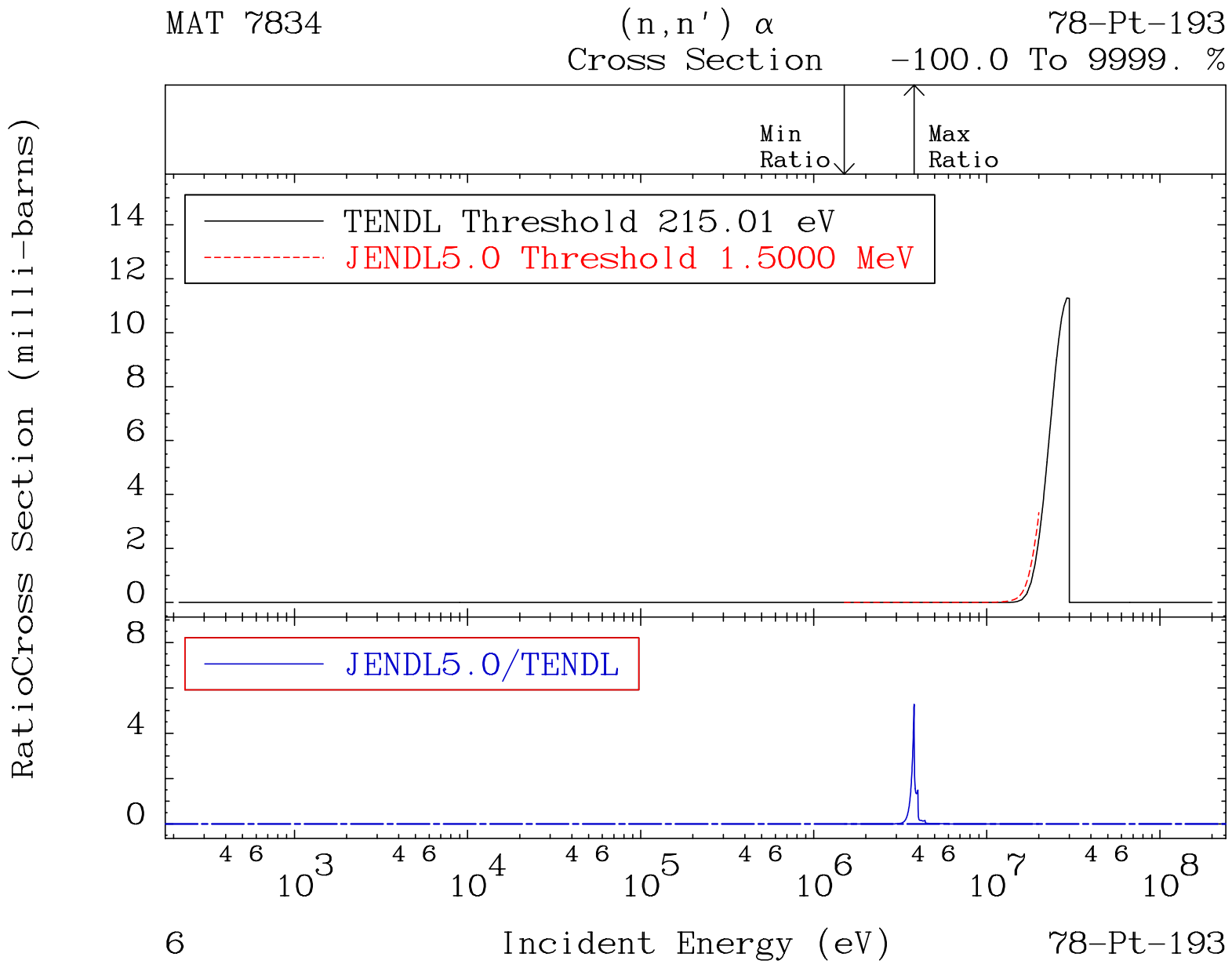

MAT 7834
Total
Cross Section
78-Pt-193
-99.89 To 1930. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
78-Pt-193

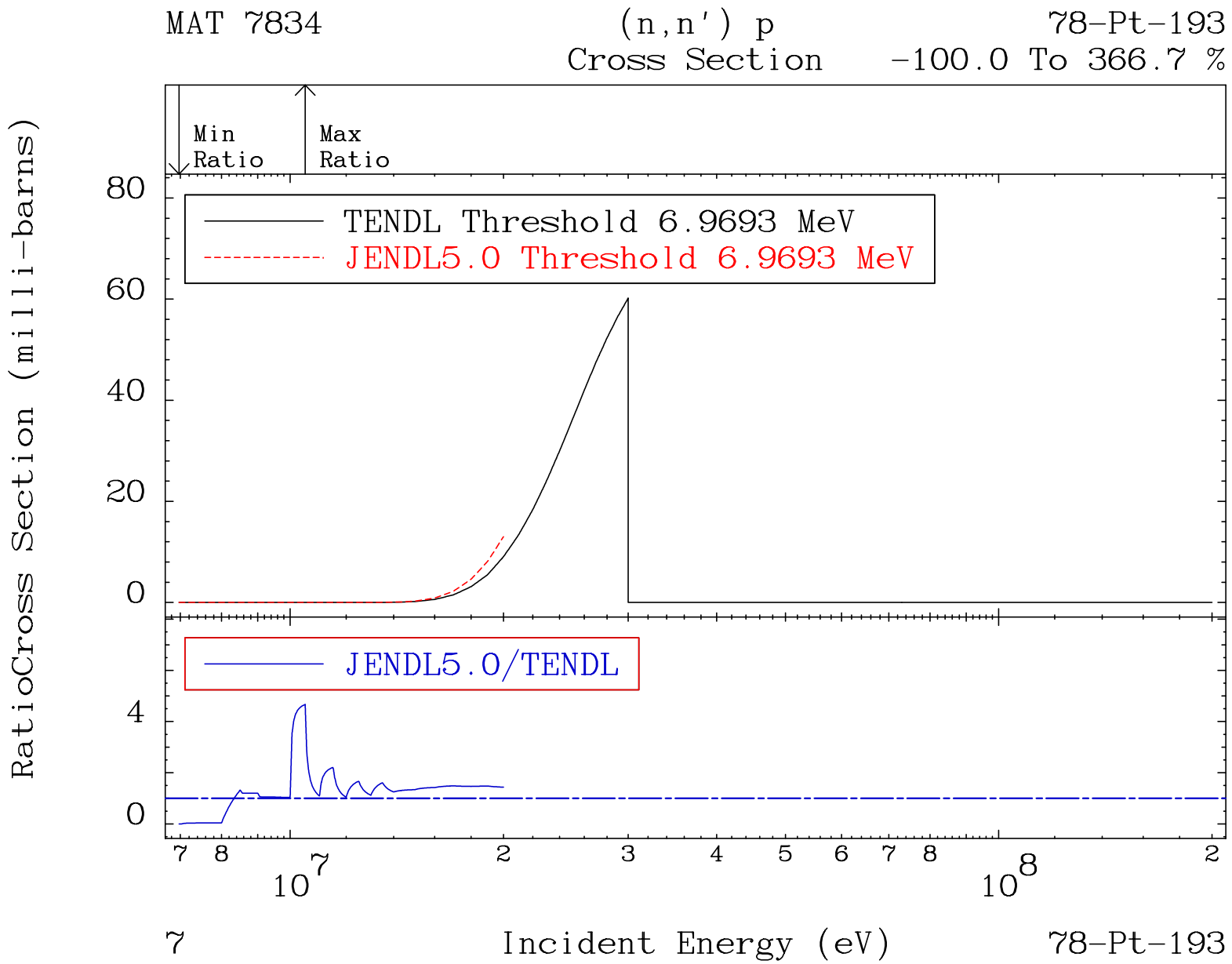

MAT 7834
Elastic
Cross Section
78-Pt-193
-99.11 To 4585. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
78-Pt-193

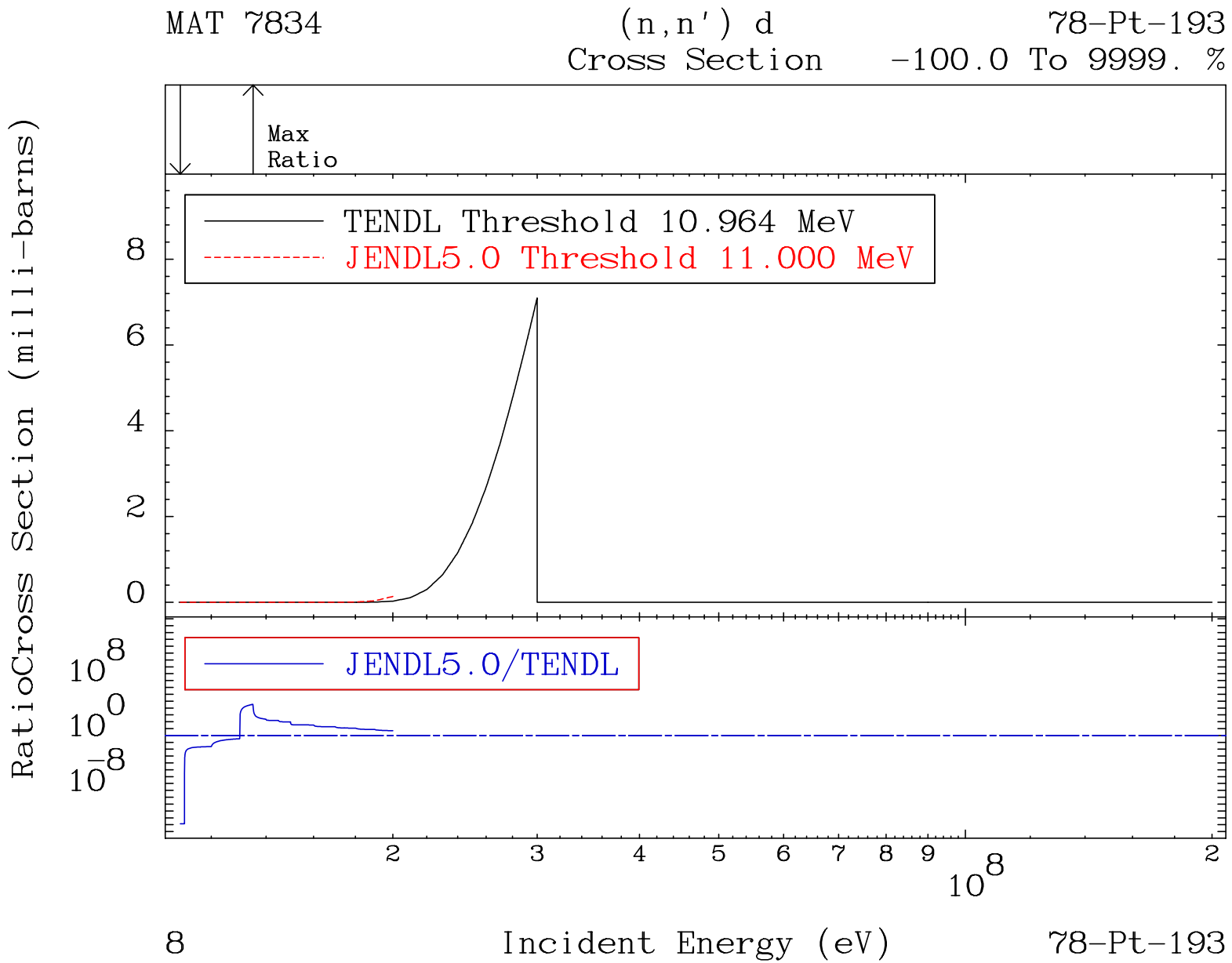

MAT 7834
Inelastic
Cross Section
78-Pt-193
-100.0 To 104.1 %
Max
Ratio
TENDL Threshold 1.6504 keV
JENDL5.0 Threshold 1.6506 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
78-Pt-193

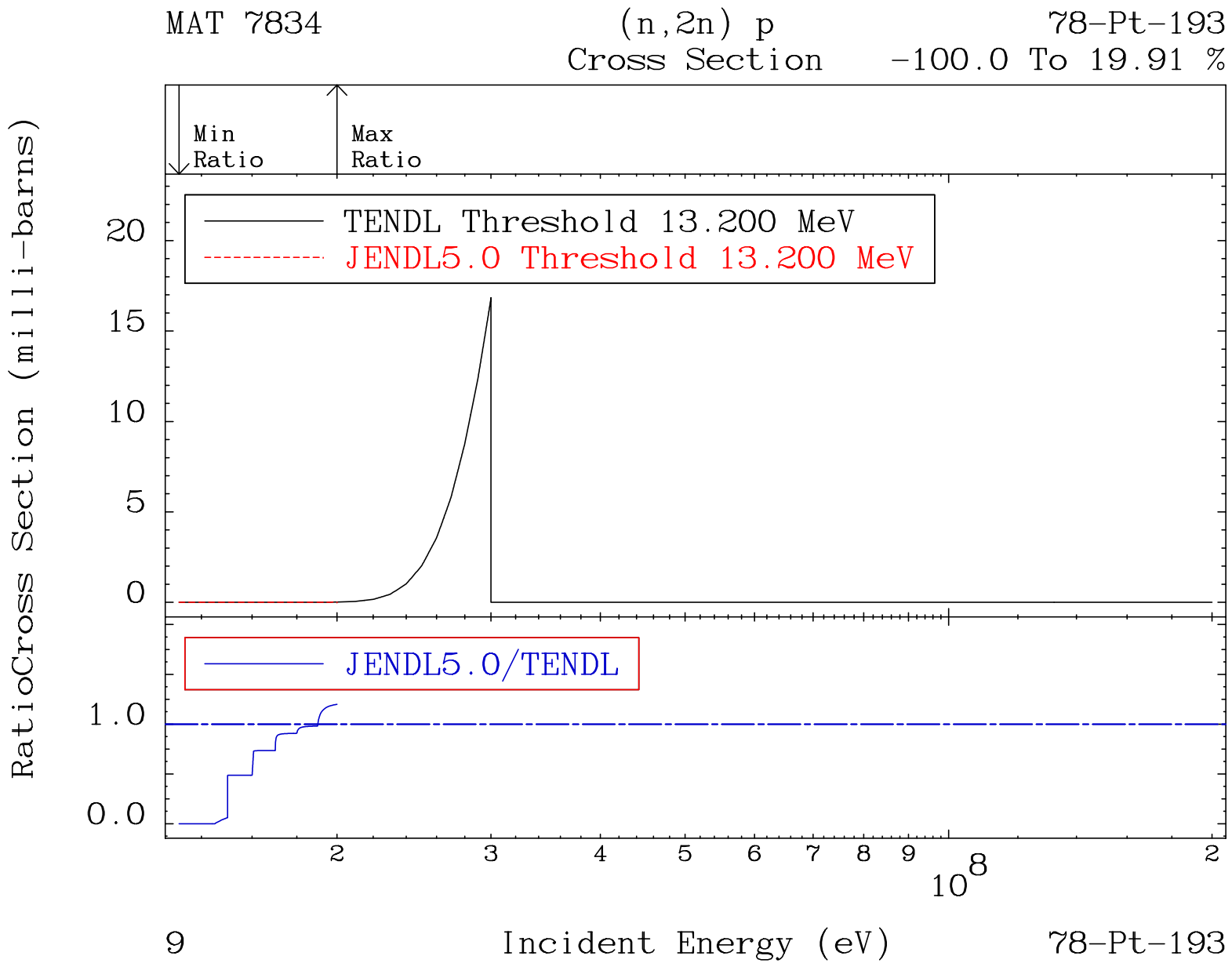

MAT 7834
(n,2n)
Cross Section
78-Pt-193
-42.72 To 56.76 %
Min
Ratio
TENDL Threshold 6.2952 MeV
JENDL5.0 Threshold 6.2936 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.8
1.2
0.6
7 8
10^7
2 3 4 5 6 7 8
10^8
2
4
Incident Energy (eV)
78-Pt-193

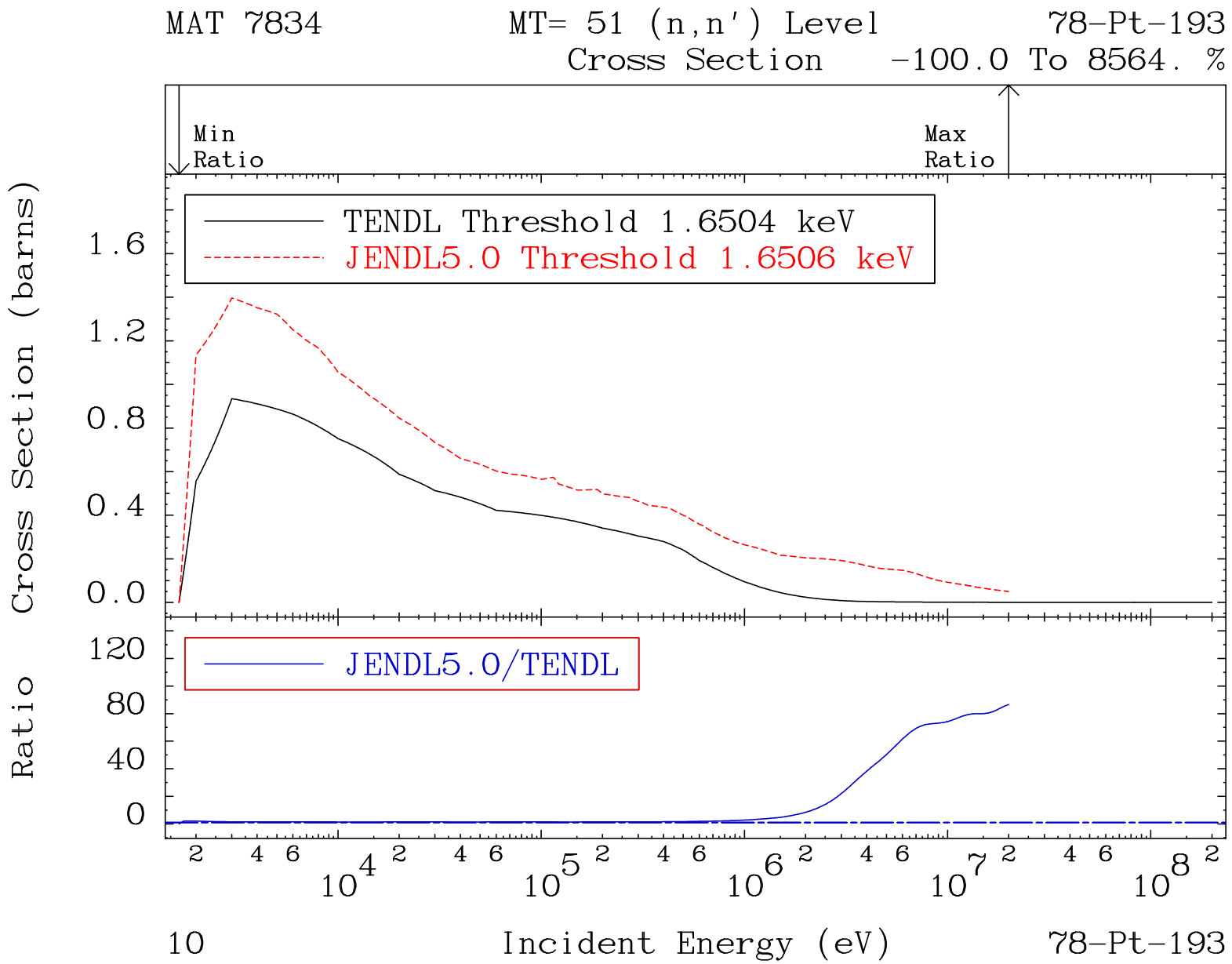

MAT 7834
(n,3n)
Cross Section
78-Pt-193
-34.89 To -1.676%
Max
Ratio
TENDL Threshold 15.002 MeV
JENDL5.0 Threshold 15.002 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.8
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
5
78-Pt-193

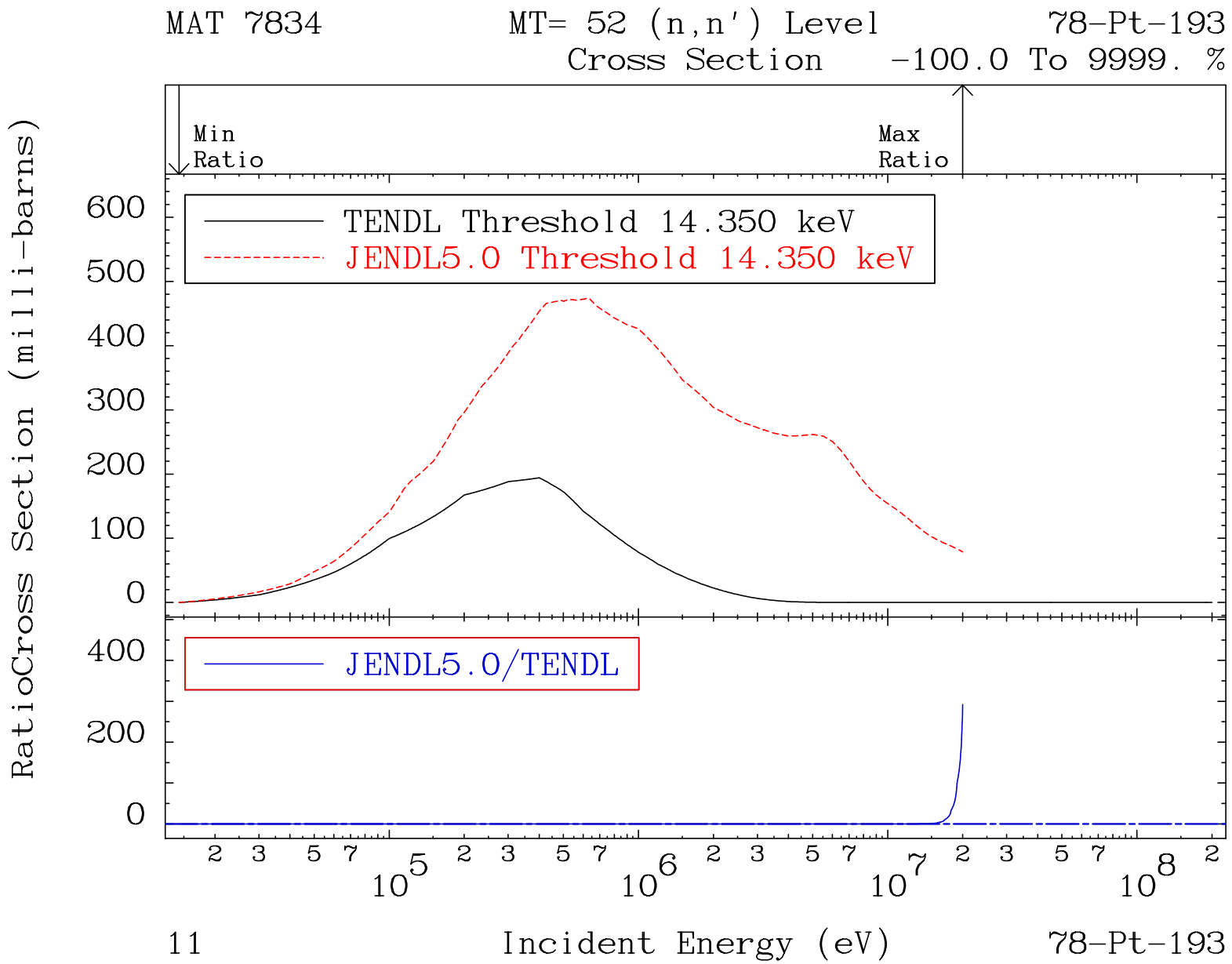

MAT 7834
(n,n') α
Cross Section
78-Pt-193
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 215.01 eV
JENDL5.0 Threshold 1.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
78-Pt-193

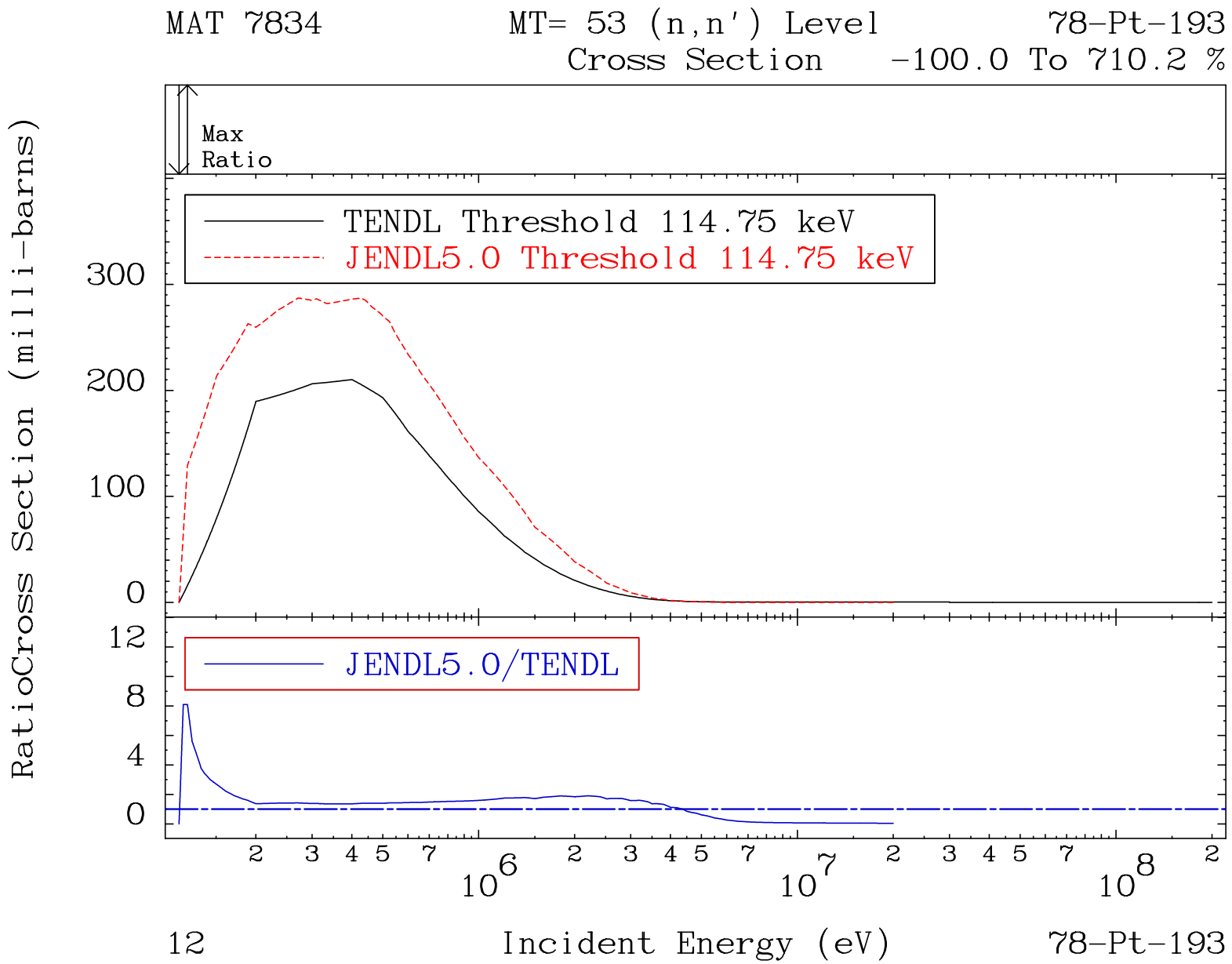

MAT 7834
(n,n') p
Cross Section
78-Pt-193
-100.0 To 366.7 %
Min Ratio
Max Ratio
TENDL Threshold 6.9693 MeV
JENDL5.0 Threshold 6.9693 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
78-Pt-193

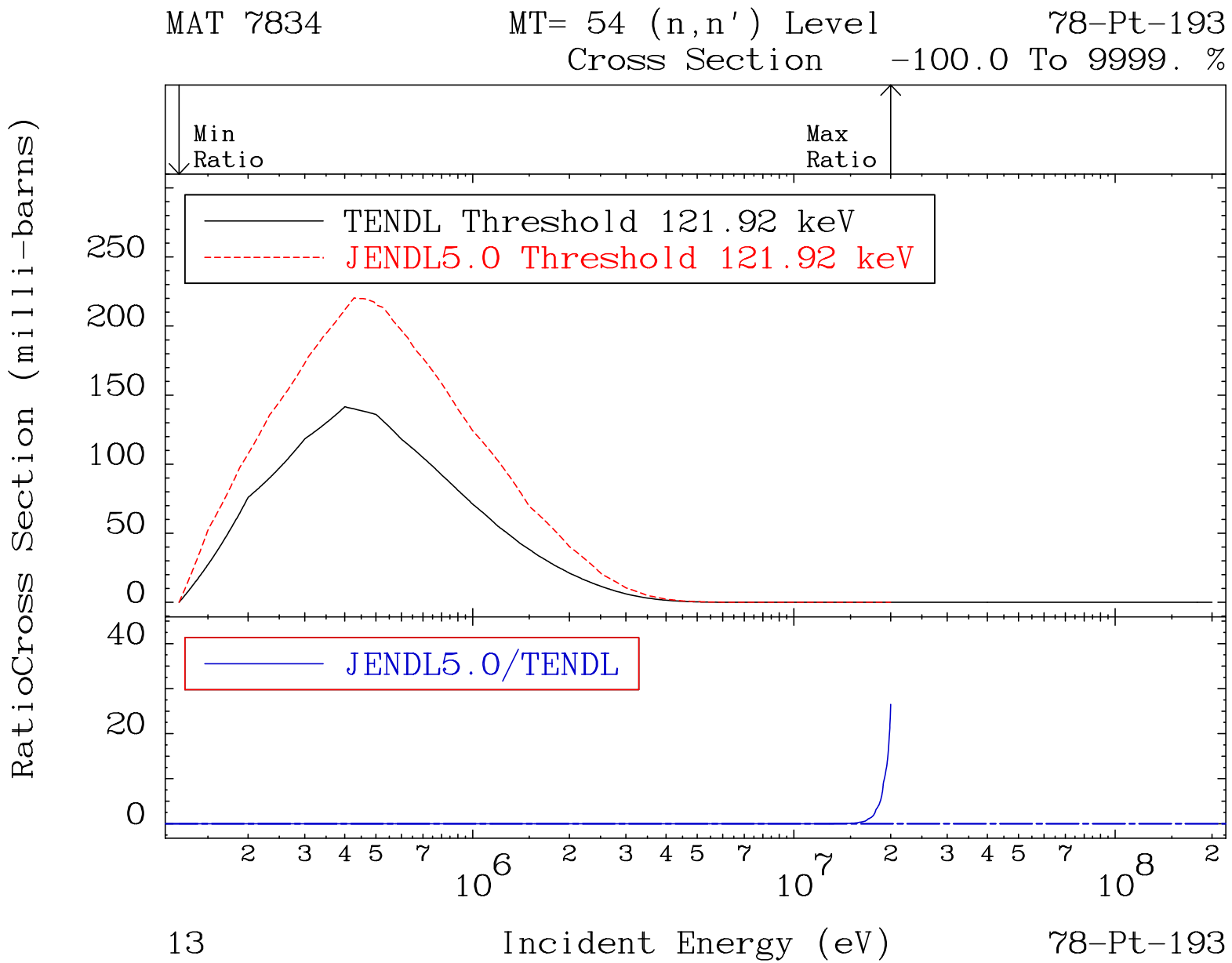

MAT 7834
(n,n') d
Cross Section
78-Pt-193
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.964 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78-Pt-193
8

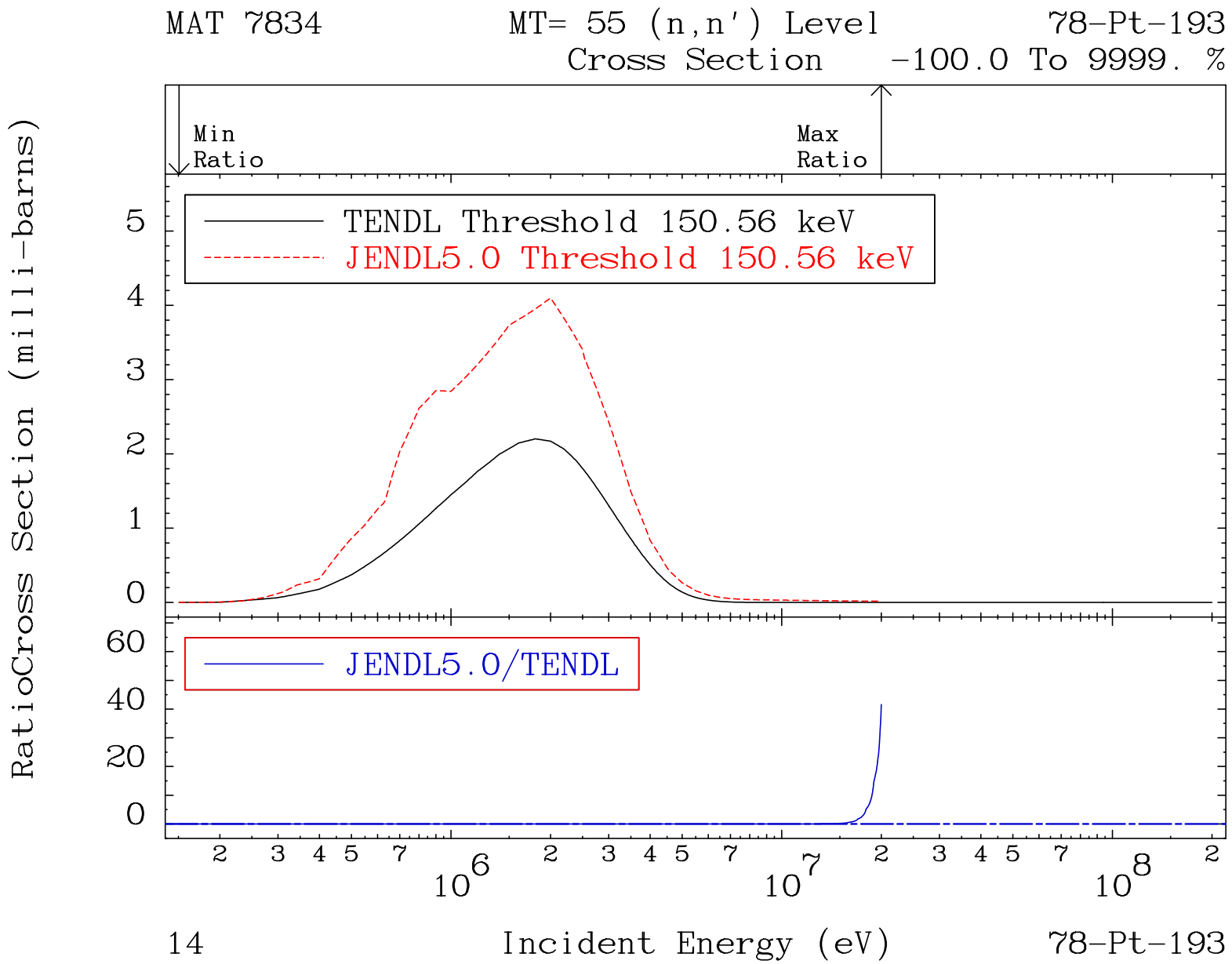

MAT 7834
(n,2n) p
78-Pt-193
Cross Section
-100.0 To 19.91 %
Min Ratio
Max Ratio
TENDL Threshold 13.200 MeV
JENDL5.0 Threshold 13.200 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-193

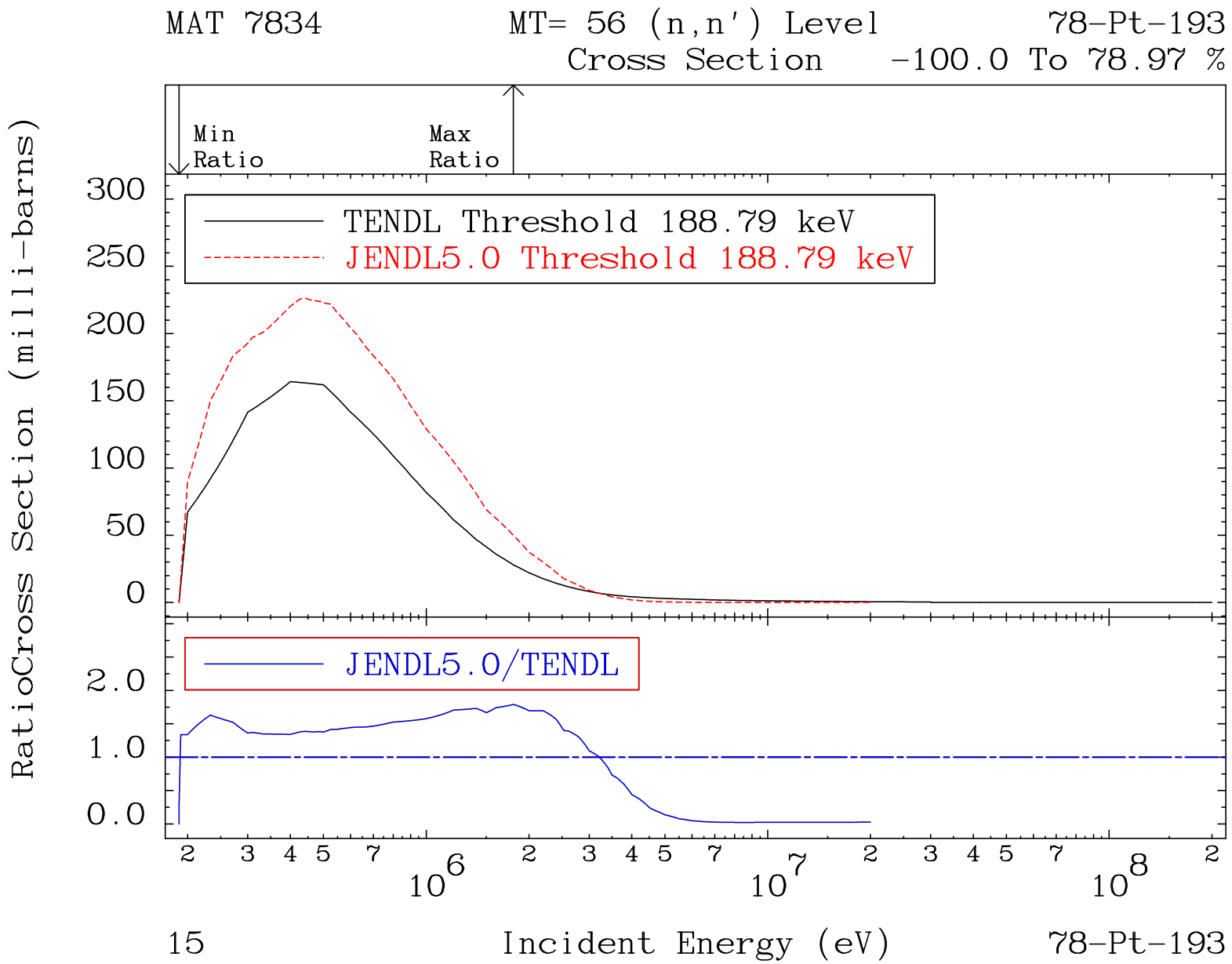

MAT 7834
MT= 51 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 8564. %
Min Ratio
Max Ratio
TENDL Threshold 1.6504 keV
JENDL5.0 Threshold 1.6506 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
10
78-Pt-193

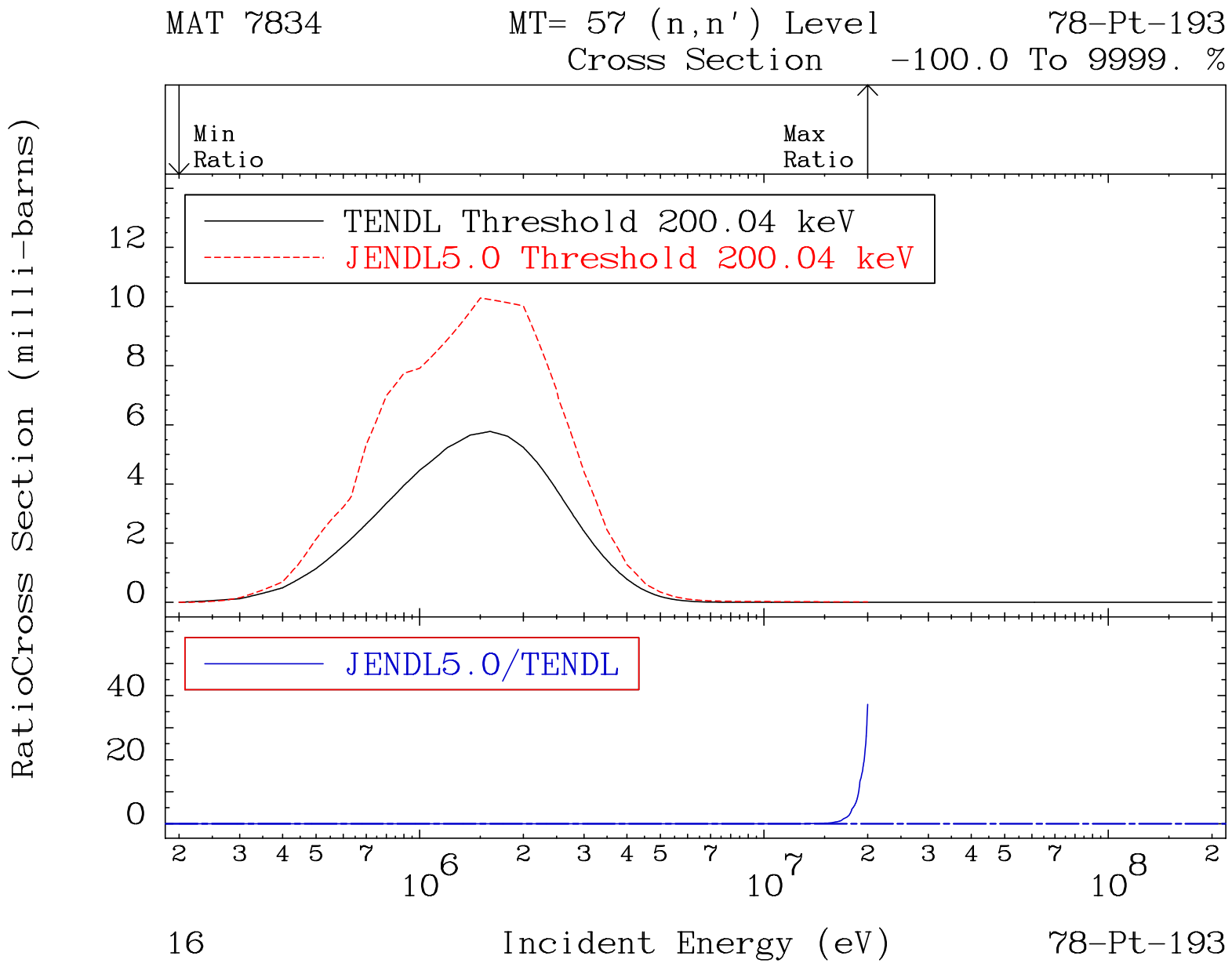

MAT 7834
MT= 52 (n,n') Level
Cross Section
78-Pt-193
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.350 keV
JENDL5.0 Threshold 14.350 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
400
200
0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
11
Incident Energy (eV)
78-Pt-193

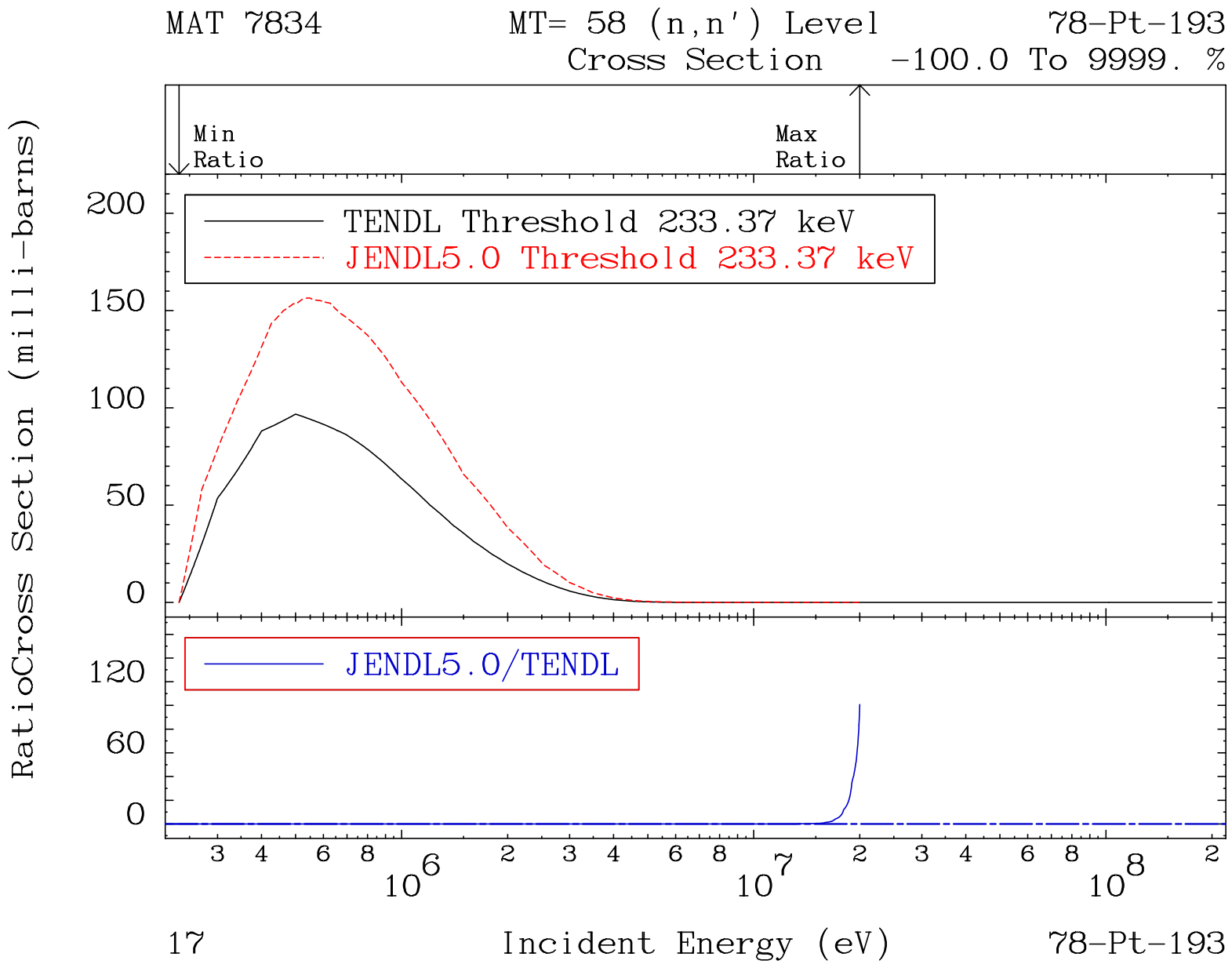

MAT 7834
MT= 53 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 710.2 %
Max
Ratio
TENDL Threshold 114.75 keV
JENDL5.0 Threshold 114.75 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
12
8
4
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
12
Incident Energy (eV)
78-Pt-193

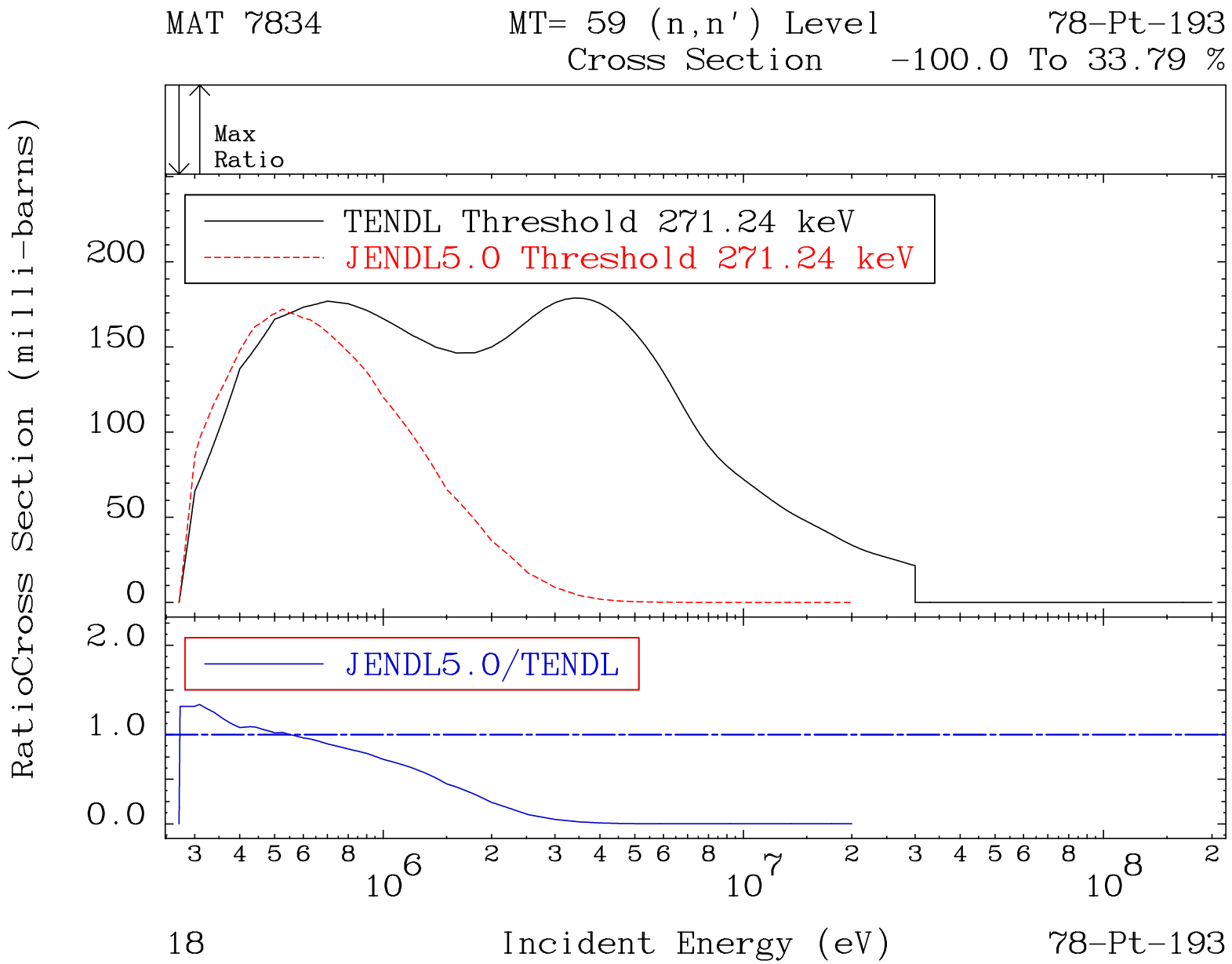

MAT 7834
MT= 54 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 121.92 keV
JENDL5.0 Threshold 121.92 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
40
20
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
13
Incident Energy (eV)
78-Pt-193

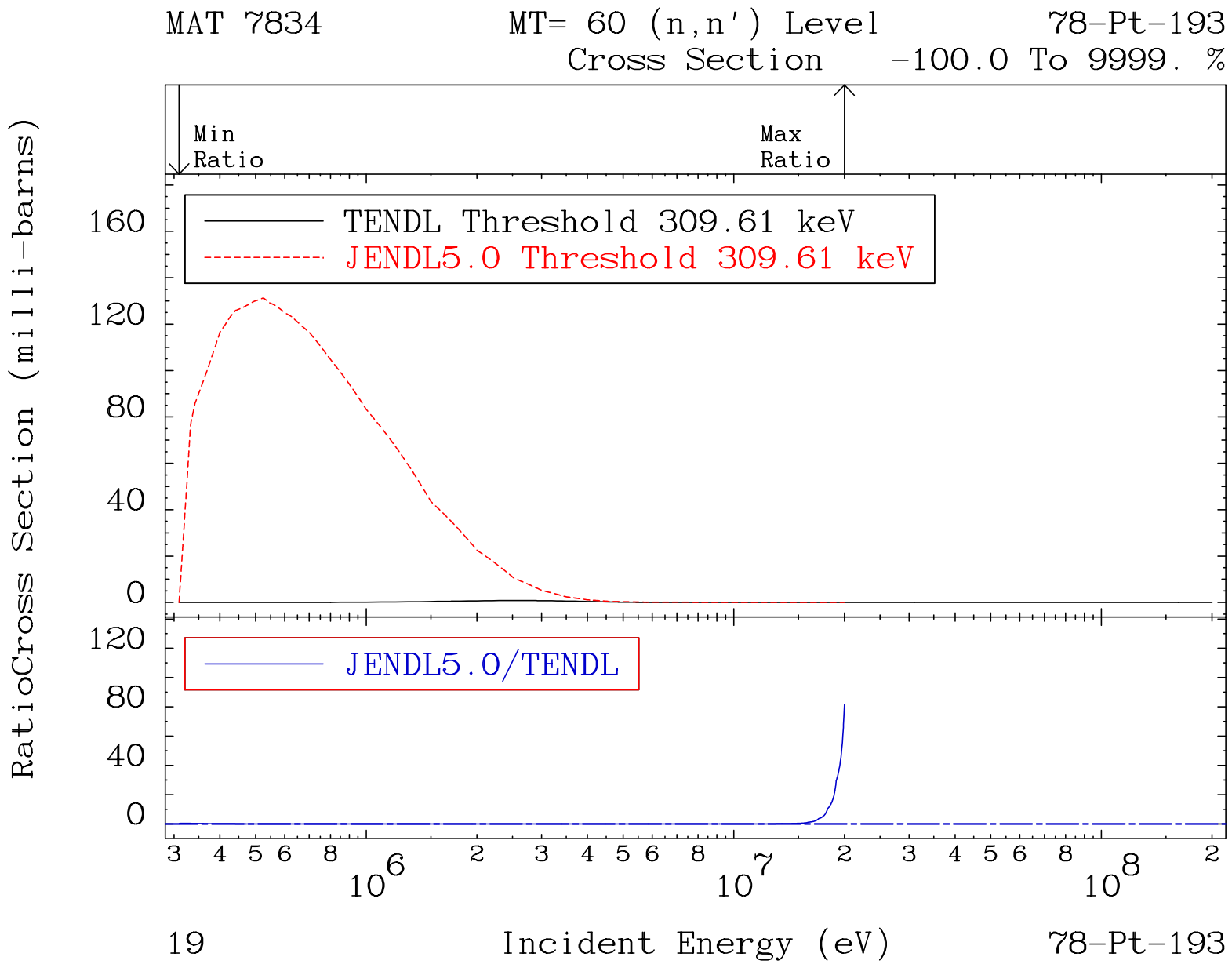

MAT 7834
MT= 55 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 150.56 keV
JENDL5.0 Threshold 150.56 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
78-Pt-193

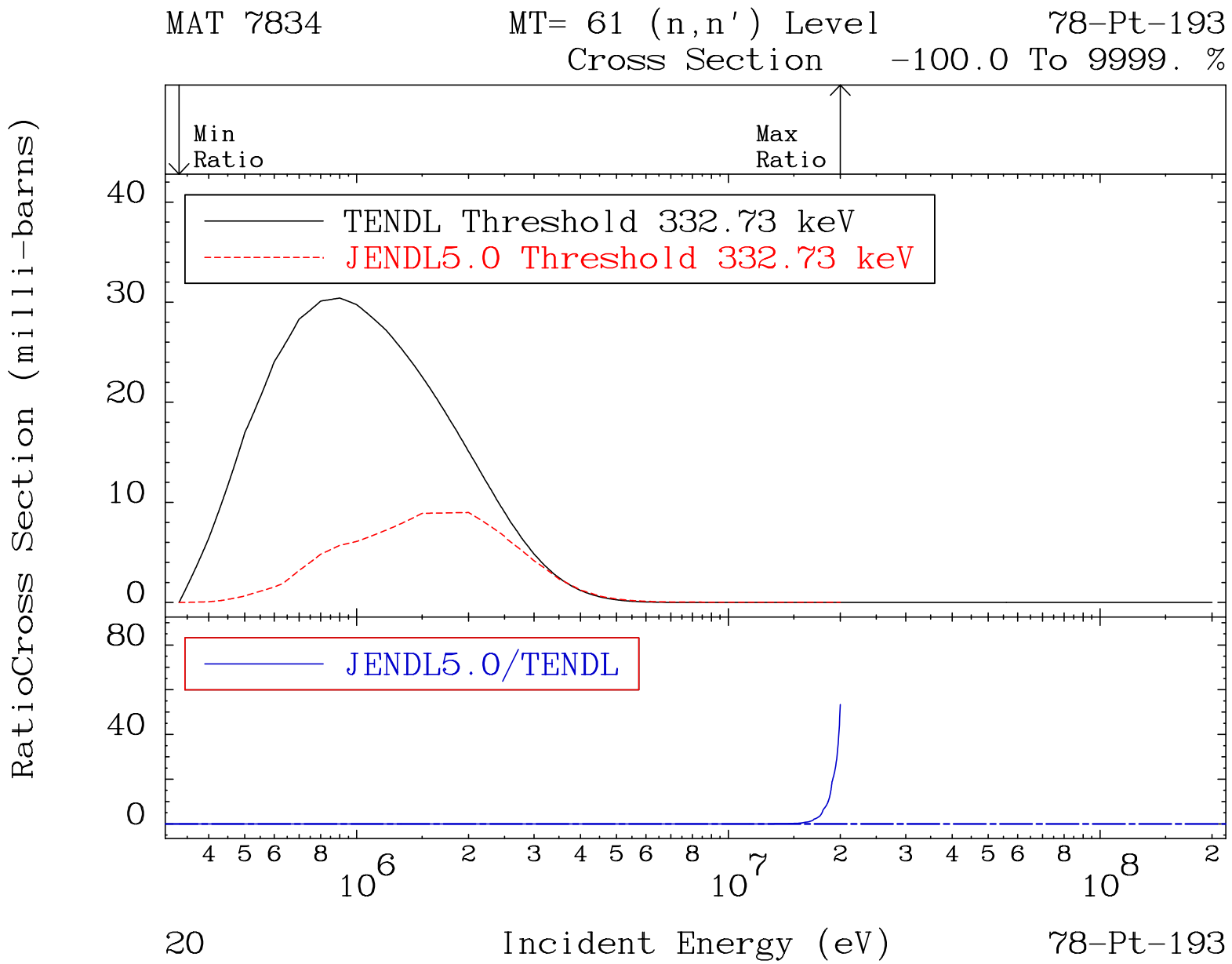

MAT 7834
MT= 56 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 78.97 %
Min Ratio
Max Ratio
TENDL Threshold 188.79 keV
JENDL5.0 Threshold 188.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
15
Incident Energy (eV)
78-Pt-193

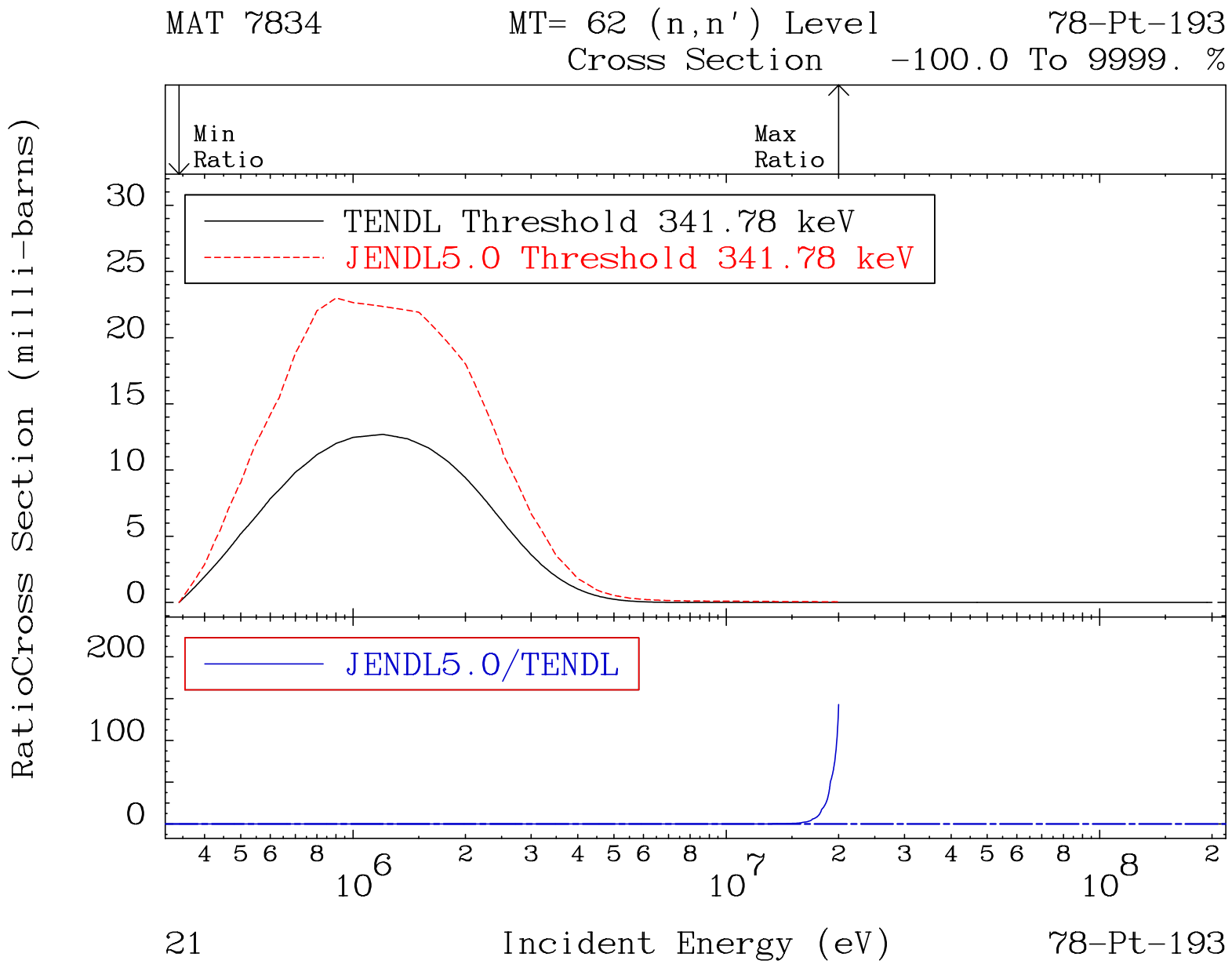

MAT 7834
MT= 57 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 200.04 keV
JENDL5.0 Threshold 200.04 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
78-Pt-193

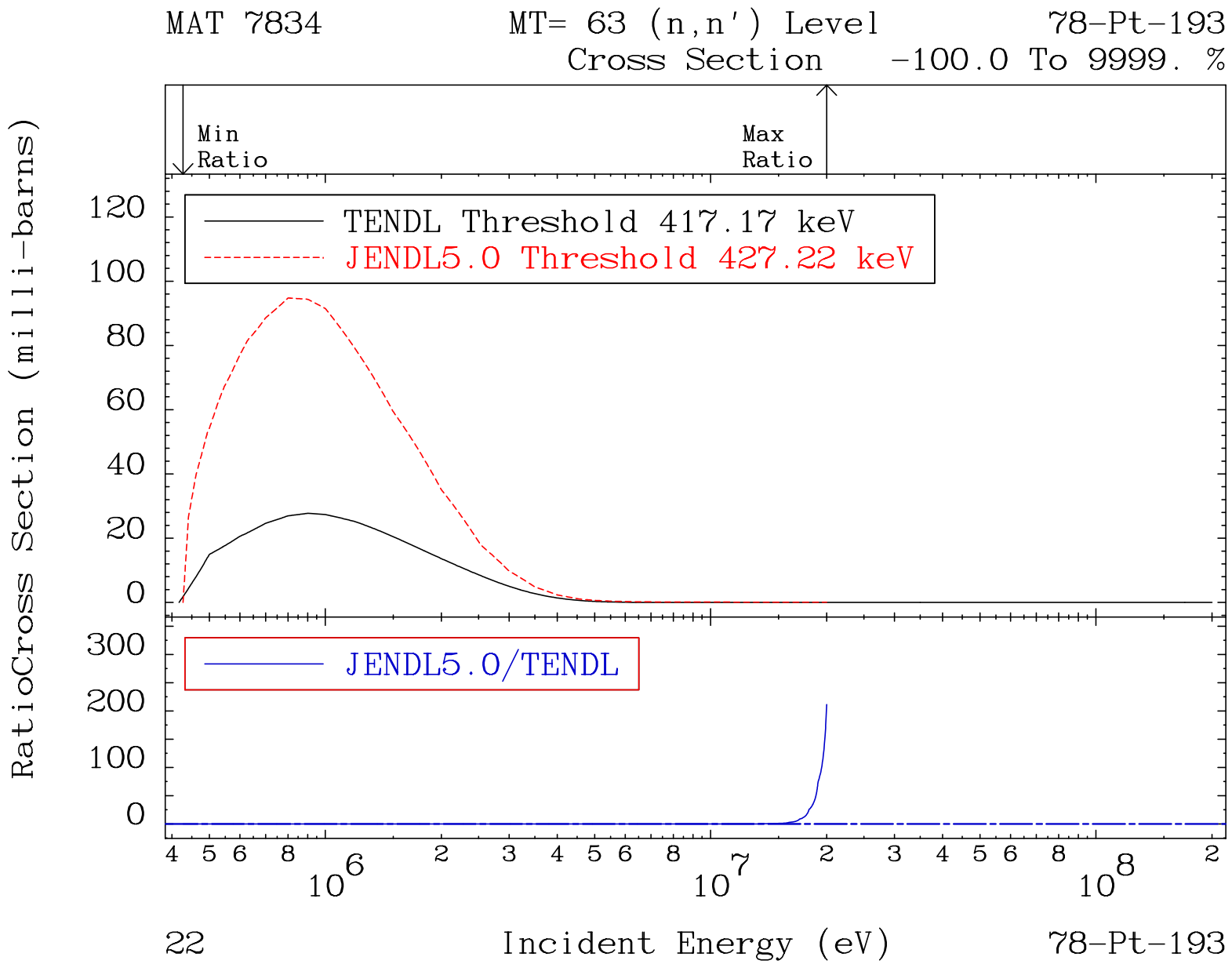

MAT 7834
MT= 58 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 233.37 keV
JENDL5.0 Threshold 233.37 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
60
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
17
Incident Energy (eV)
78-Pt-193

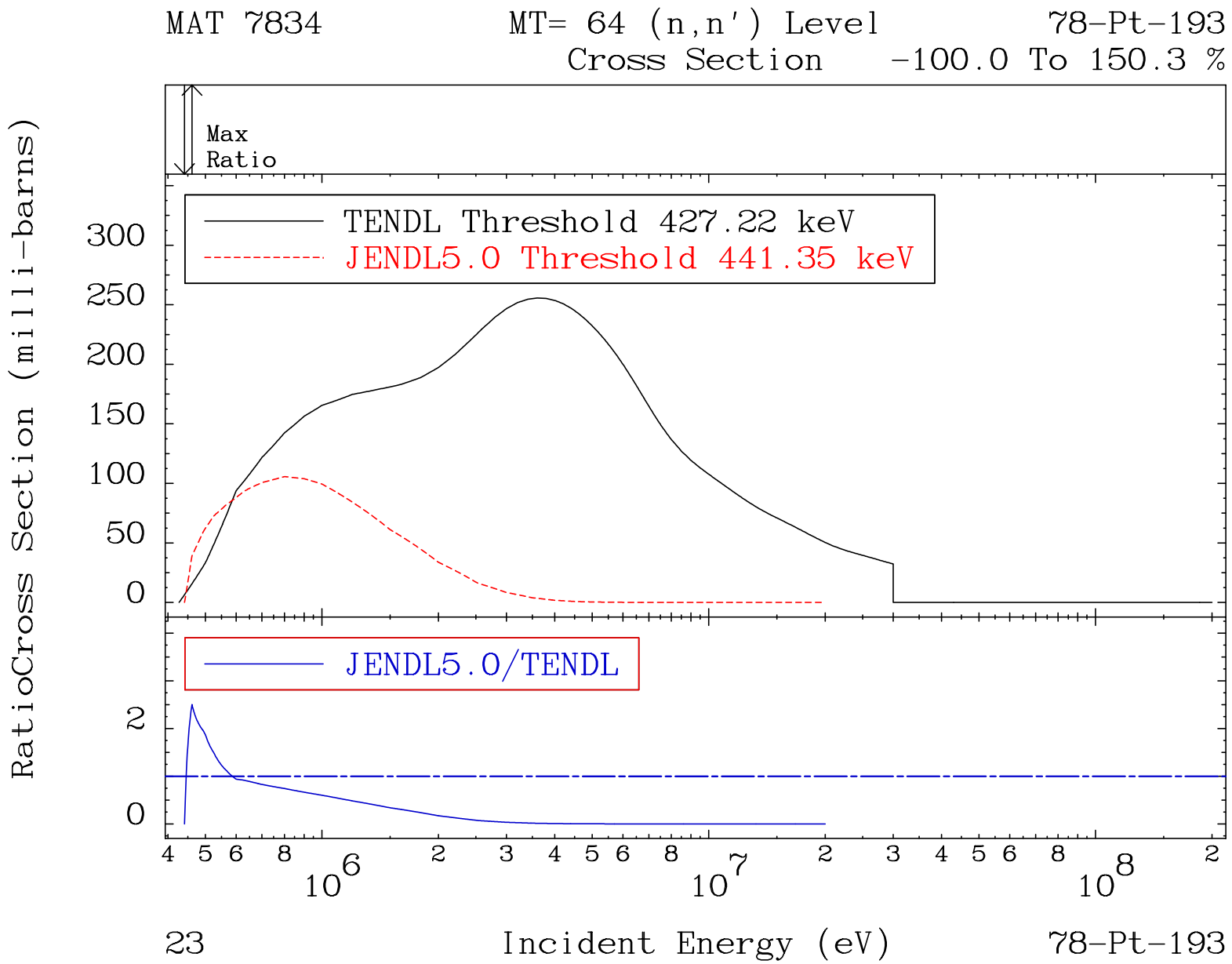

MAT 7834
MT= 59 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 33.79 %
Max
Ratio
TENDL Threshold 271.24 keV
JENDL5.0 Threshold 271.24 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
78-Pt-193

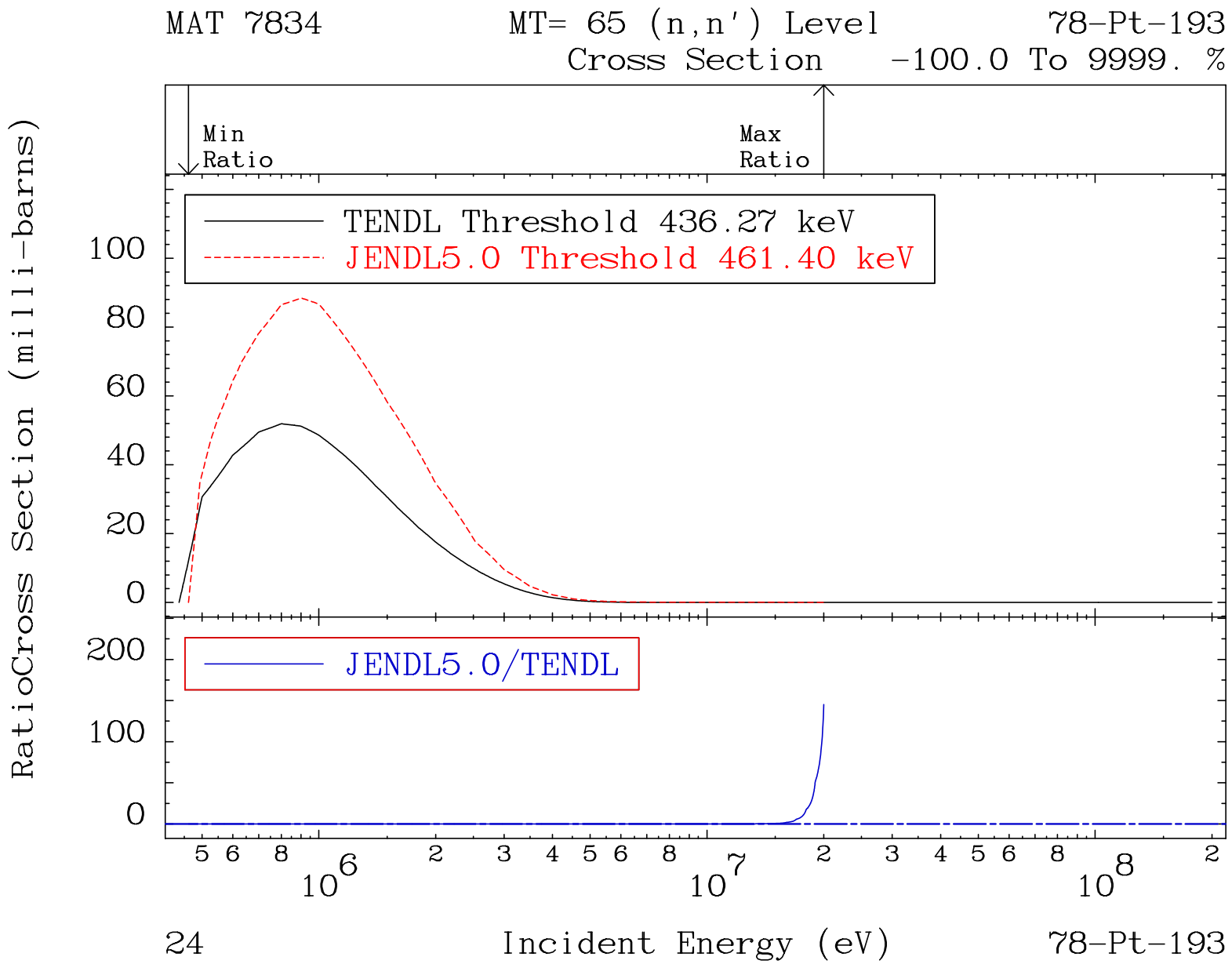

MAT 7834
MT= 60 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 309.61 keV
JENDL5.0 Threshold 309.61 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
80
40
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
78-Pt-193

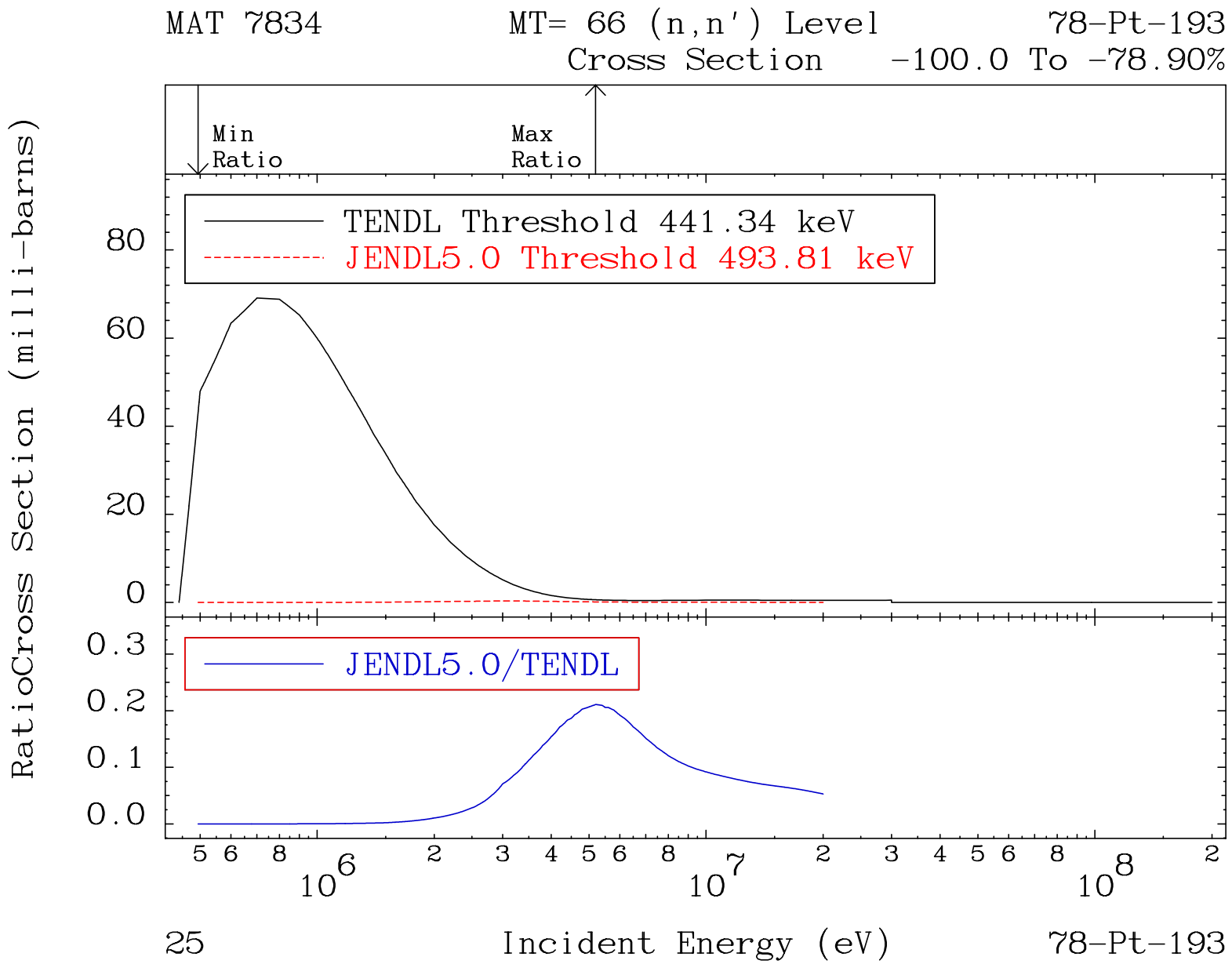

MAT 7834
MT= 61 (n,n') Level
78-Pt-193
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 332.73 keV
JENDL5.0 Threshold 332.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
78-Pt-193

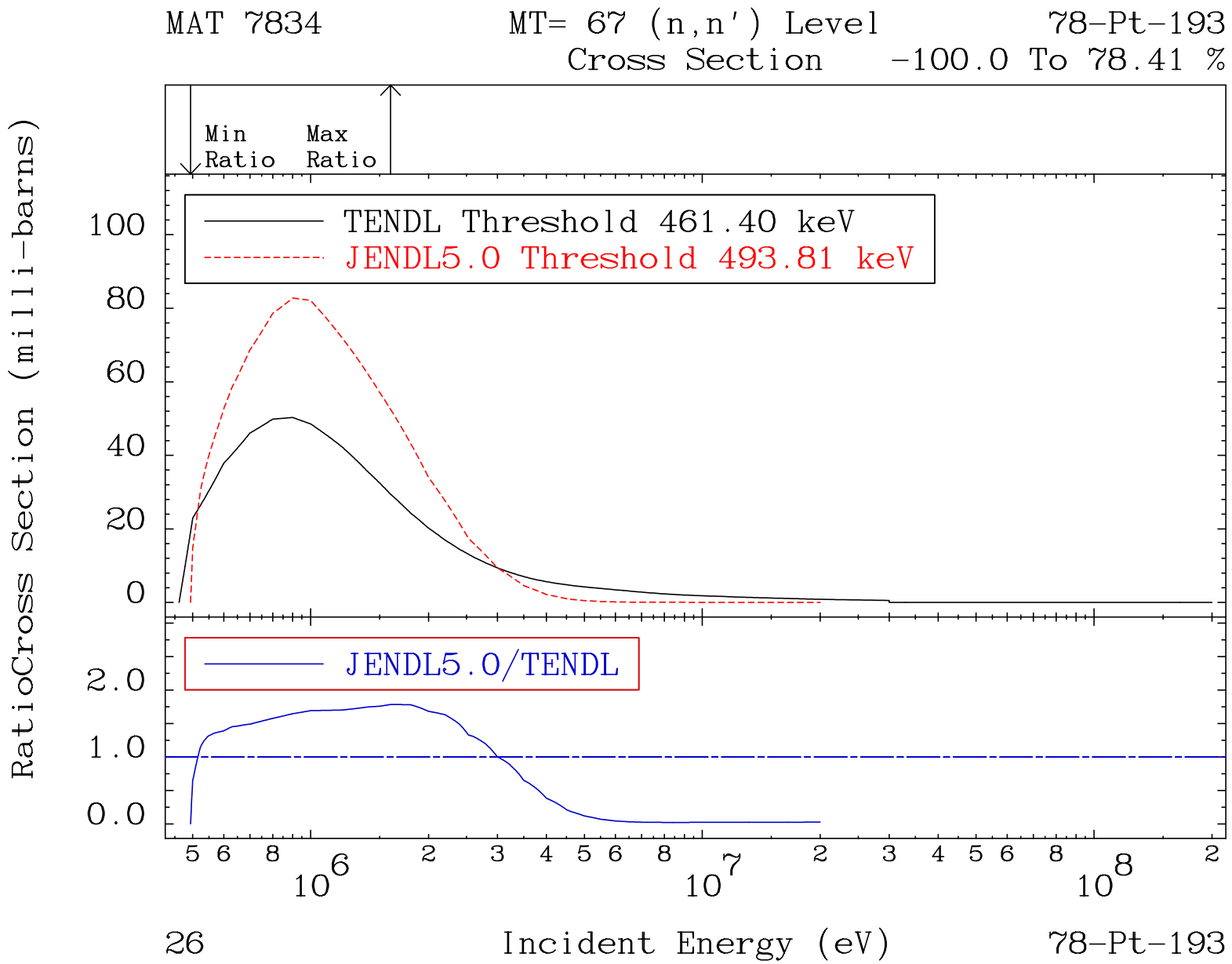

MAT 7834
MT= 62 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 341.78 keV
JENDL5.0 Threshold 341.78 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
200
100
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
78-Pt-193

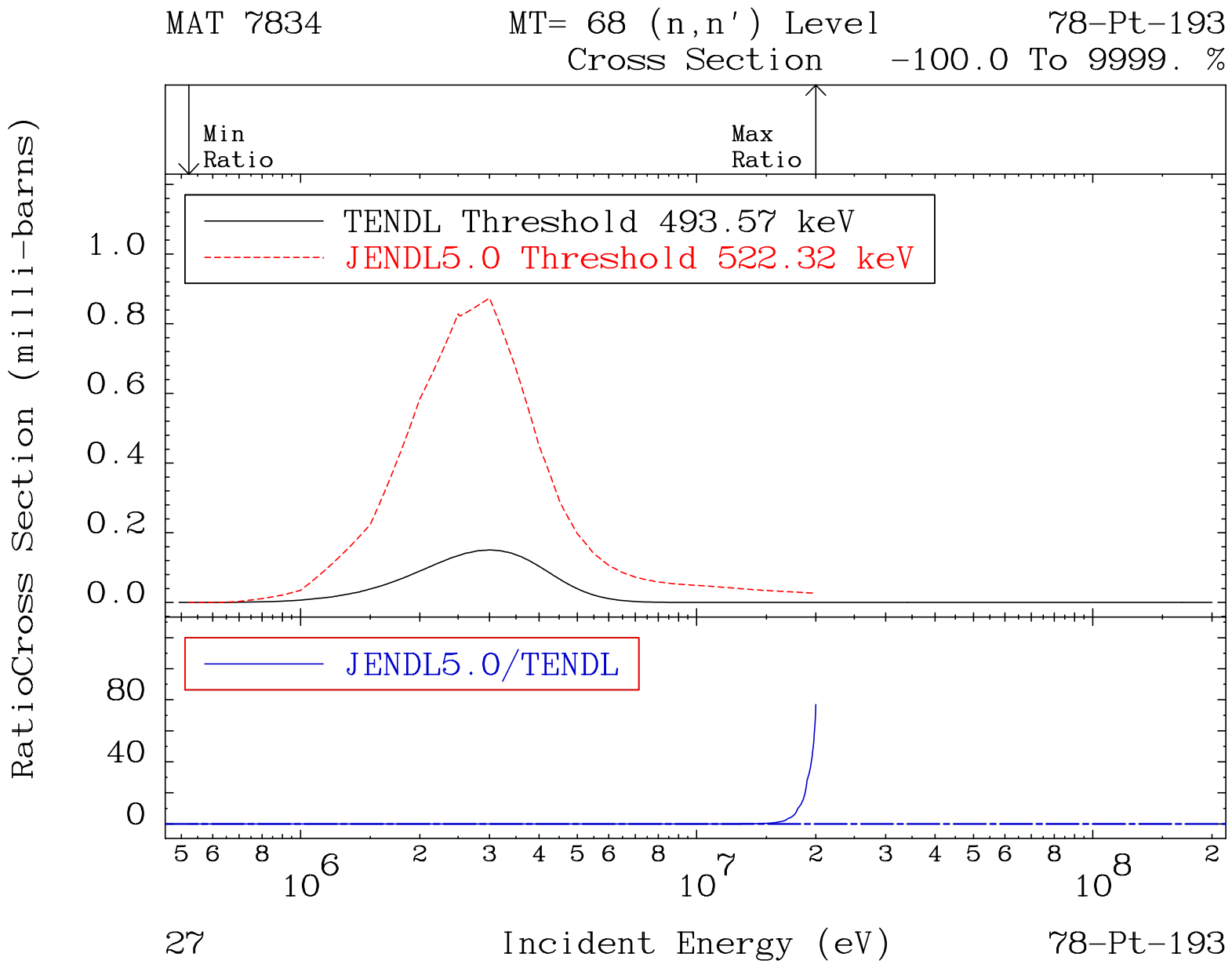

MAT 7834
MT= 63 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 417.17 keV
JENDL5.0 Threshold 427.22 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
300
200
100
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
78-Pt-193

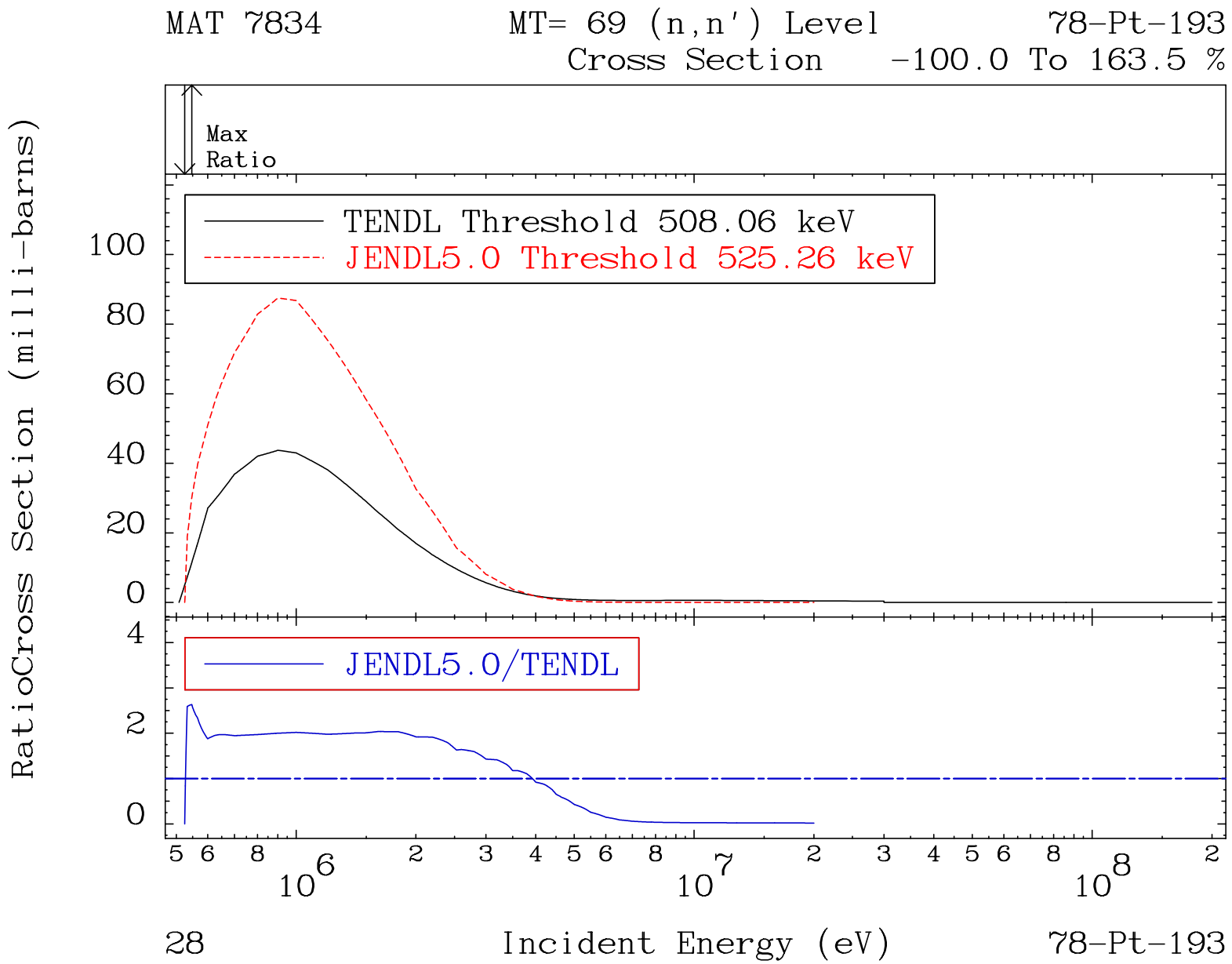

MAT 7834
MT= 64 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 150.3 %
Max
Ratio
TENDL Threshold 427.22 keV
JENDL5.0 Threshold 441.35 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
78-Pt-193

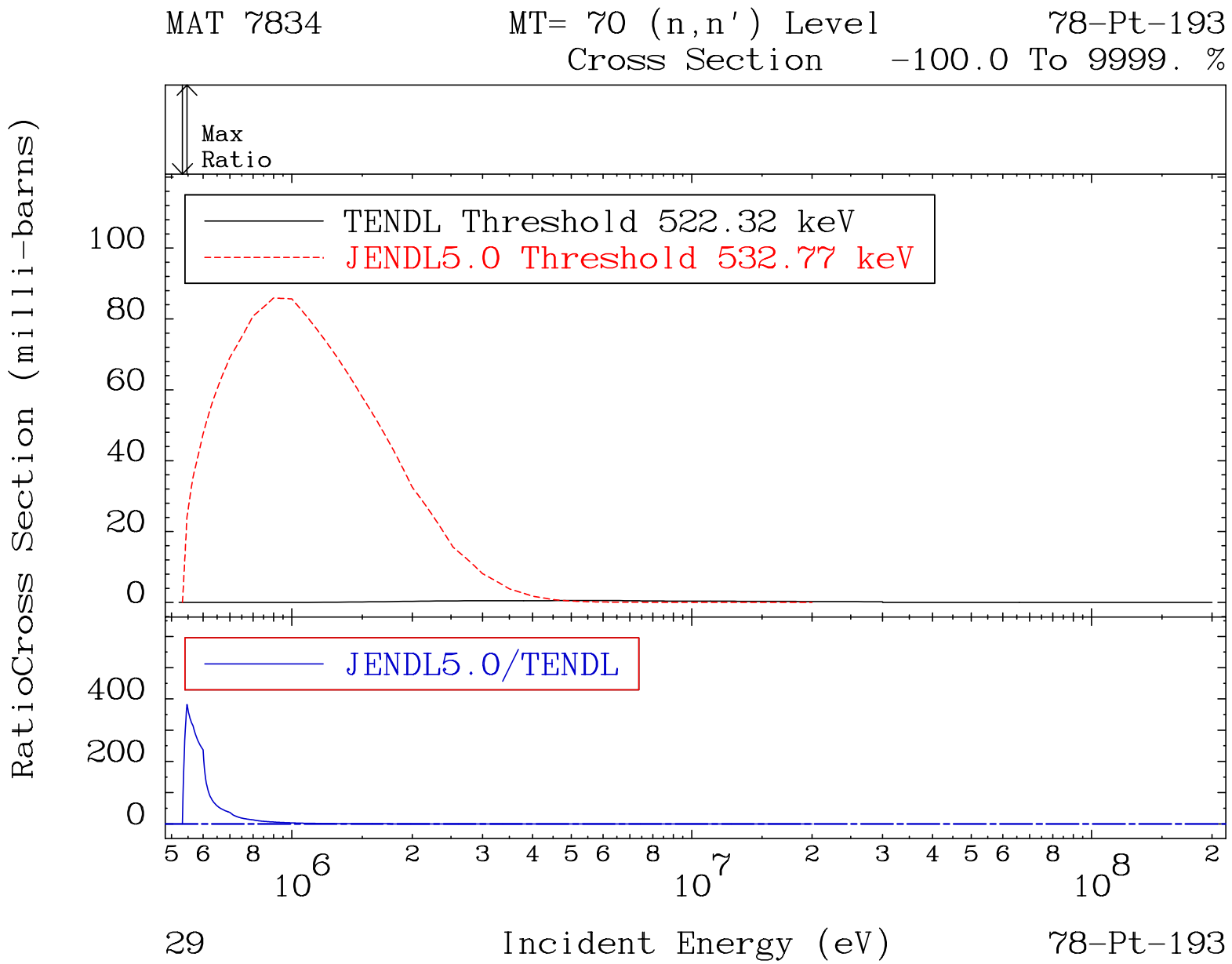

MAT 7834
MT= 65 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 436.27 keV
JENDL5.0 Threshold 461.40 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
78-Pt-193

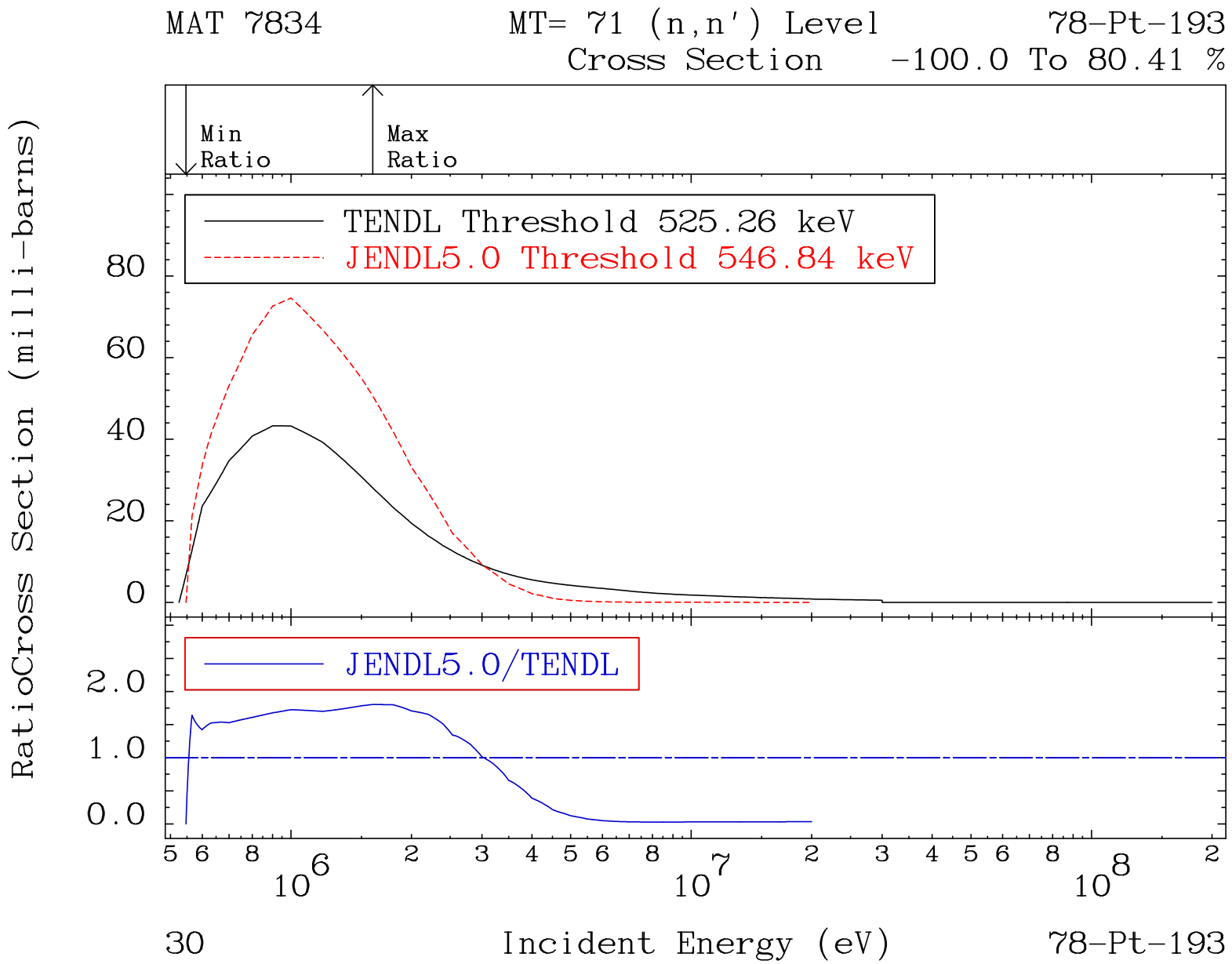

MAT 7834
MT= 66 (n,n') Level
78-Pt-193
Cross Section
-100.0 To -78.90%
Min Ratio
Max Ratio
TENDL Threshold 441.34 keV
JENDL5.0 Threshold 493.81 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.3
0.2
0.1
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
78-Pt-193

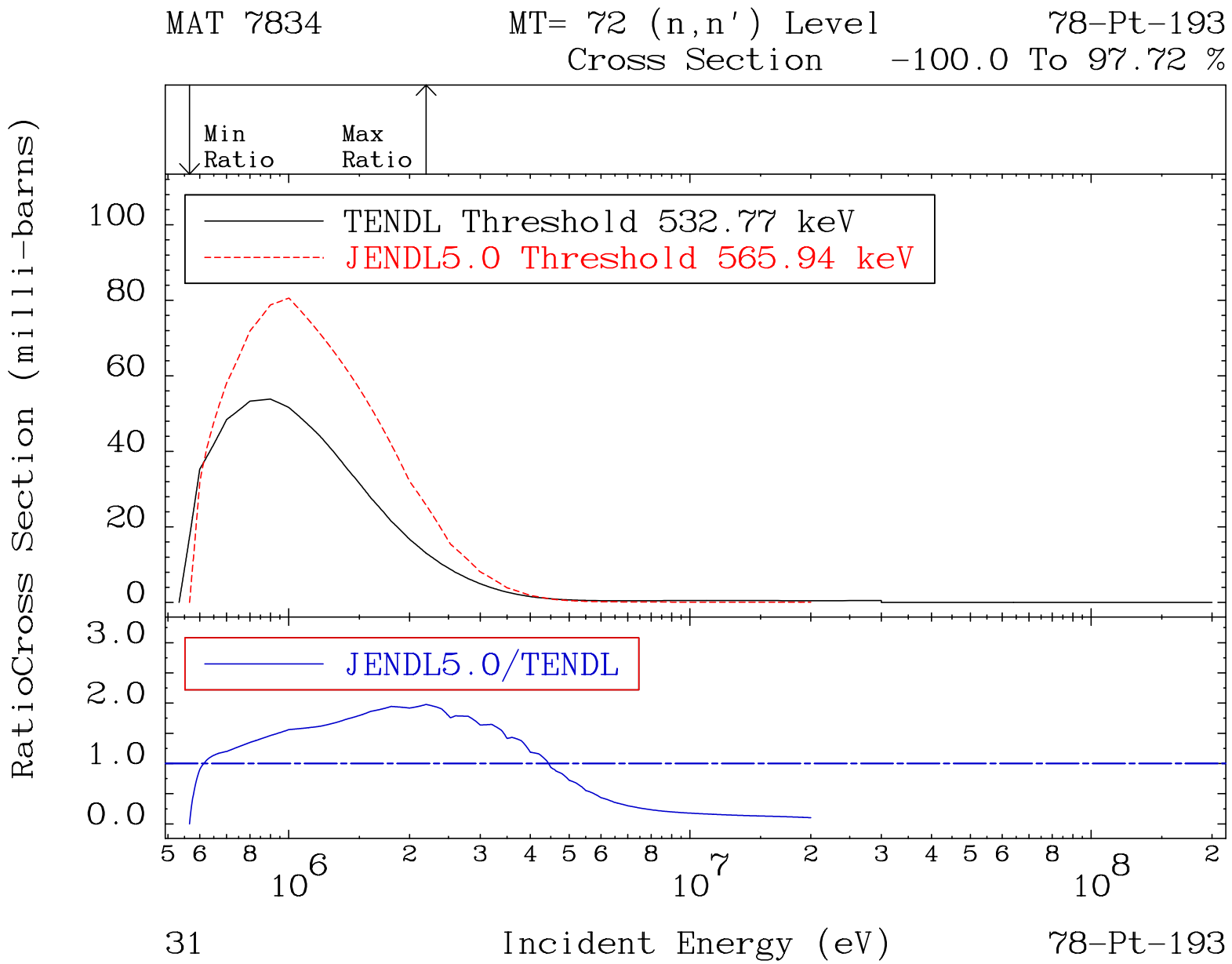

MAT 7834
MT= 67 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 78.41 %
Min Ratio
Max Ratio
TENDL Threshold 461.40 keV
JENDL5.0 Threshold 493.81 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
78-Pt-193

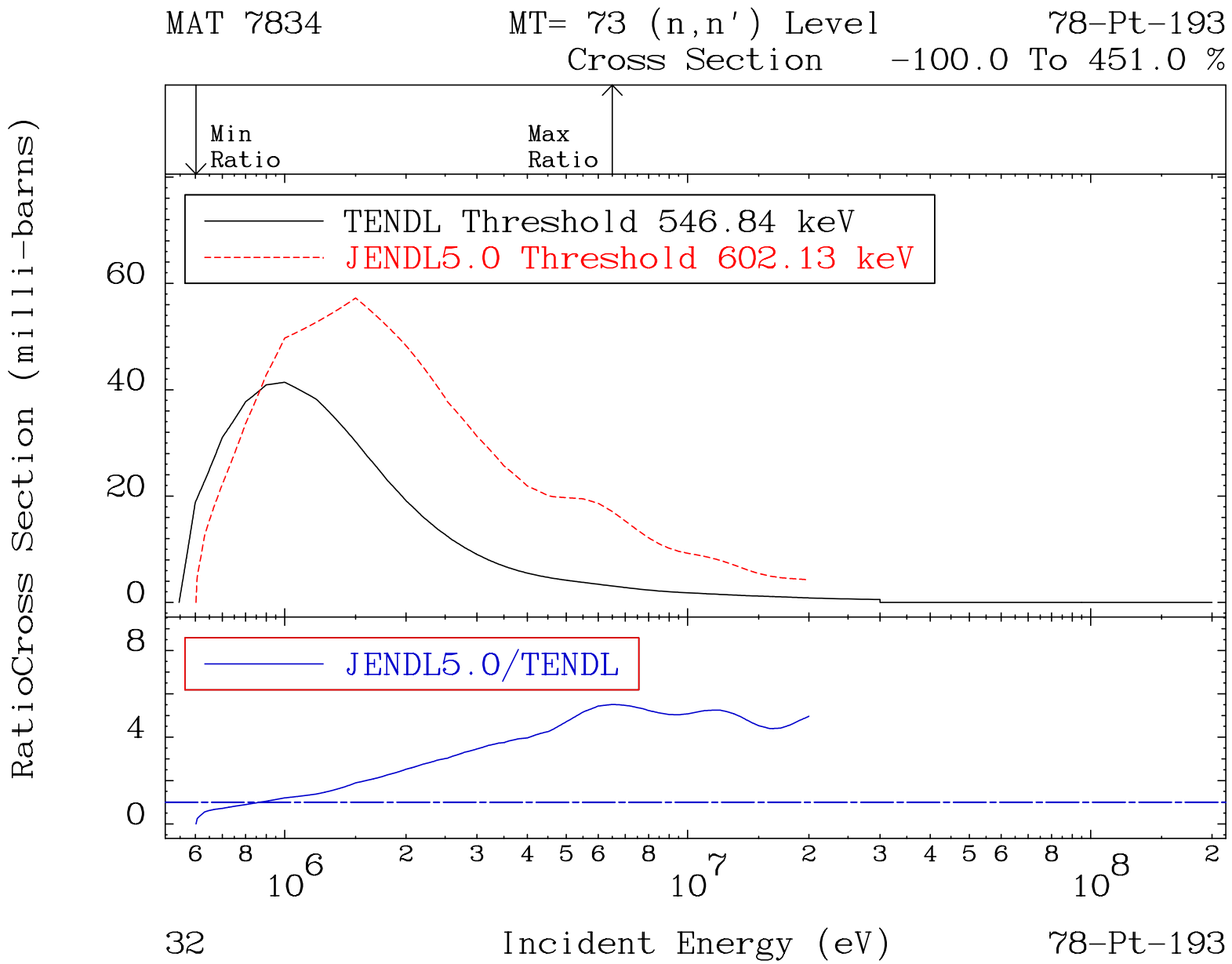

MAT 7834
MT= 68 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 493.57 keV
JENDL5.0 Threshold 522.32 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
80
40
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
78-Pt-193

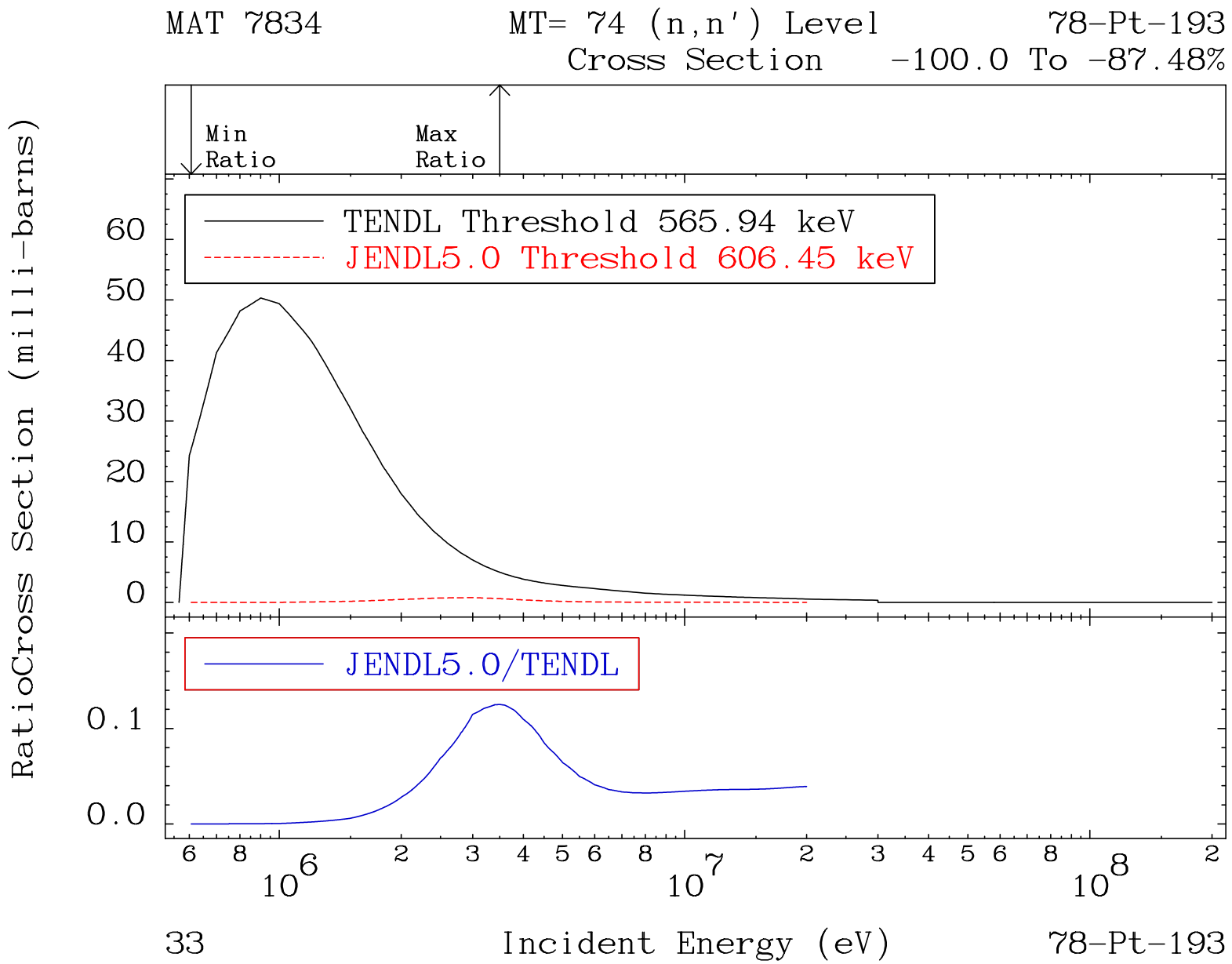

MAT 7834
MT= 69 (n,n') Level
Cross Section
78-Pt-193
-100.0 To 163.5 %
Max
Ratio
TENDL Threshold 508.06 keV
JENDL5.0 Threshold 525.26 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
78-Pt-193

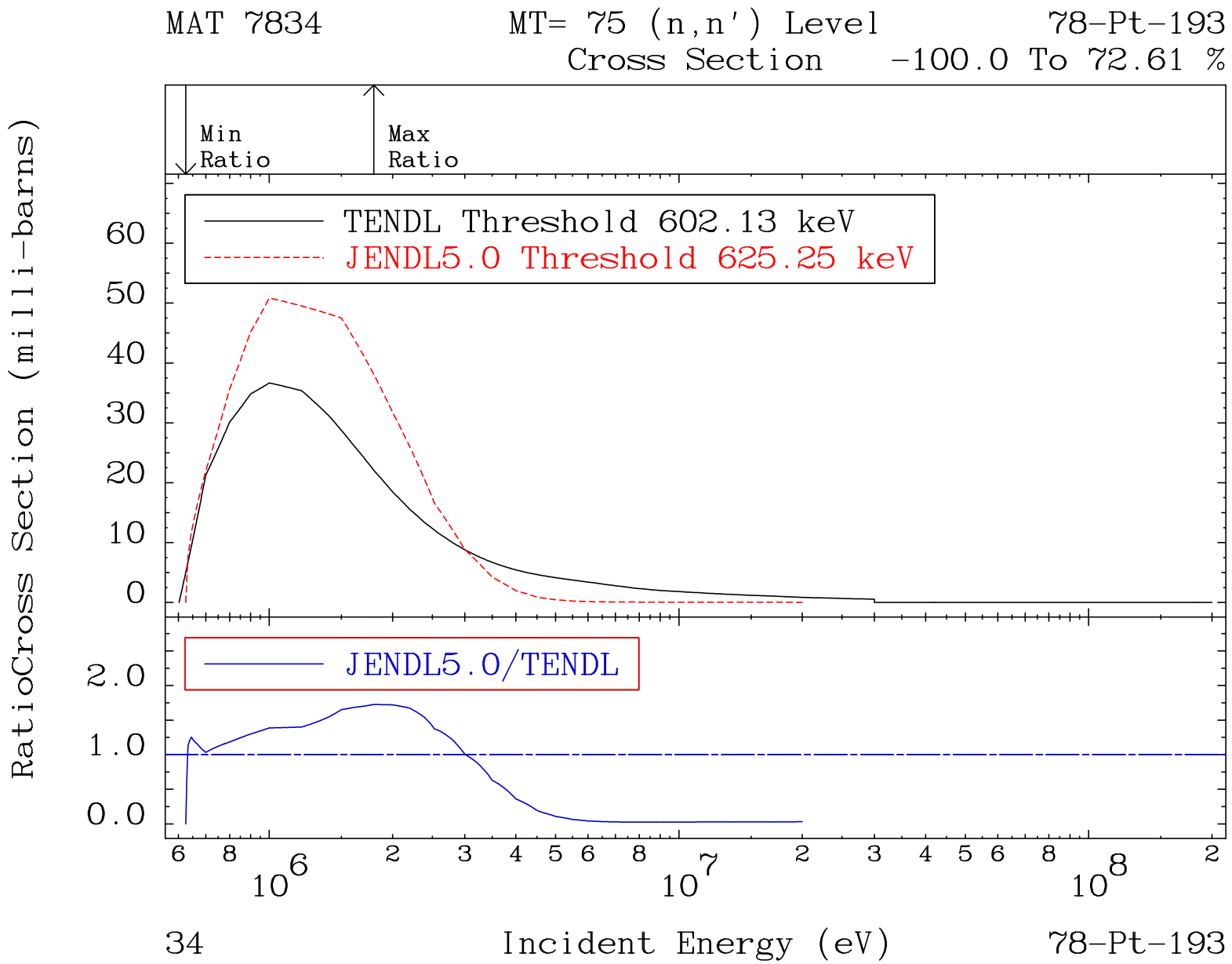

MAT 7834
MT= 70 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 522.32 keV
JENDL5.0 Threshold 532.77 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
78-Pt-193

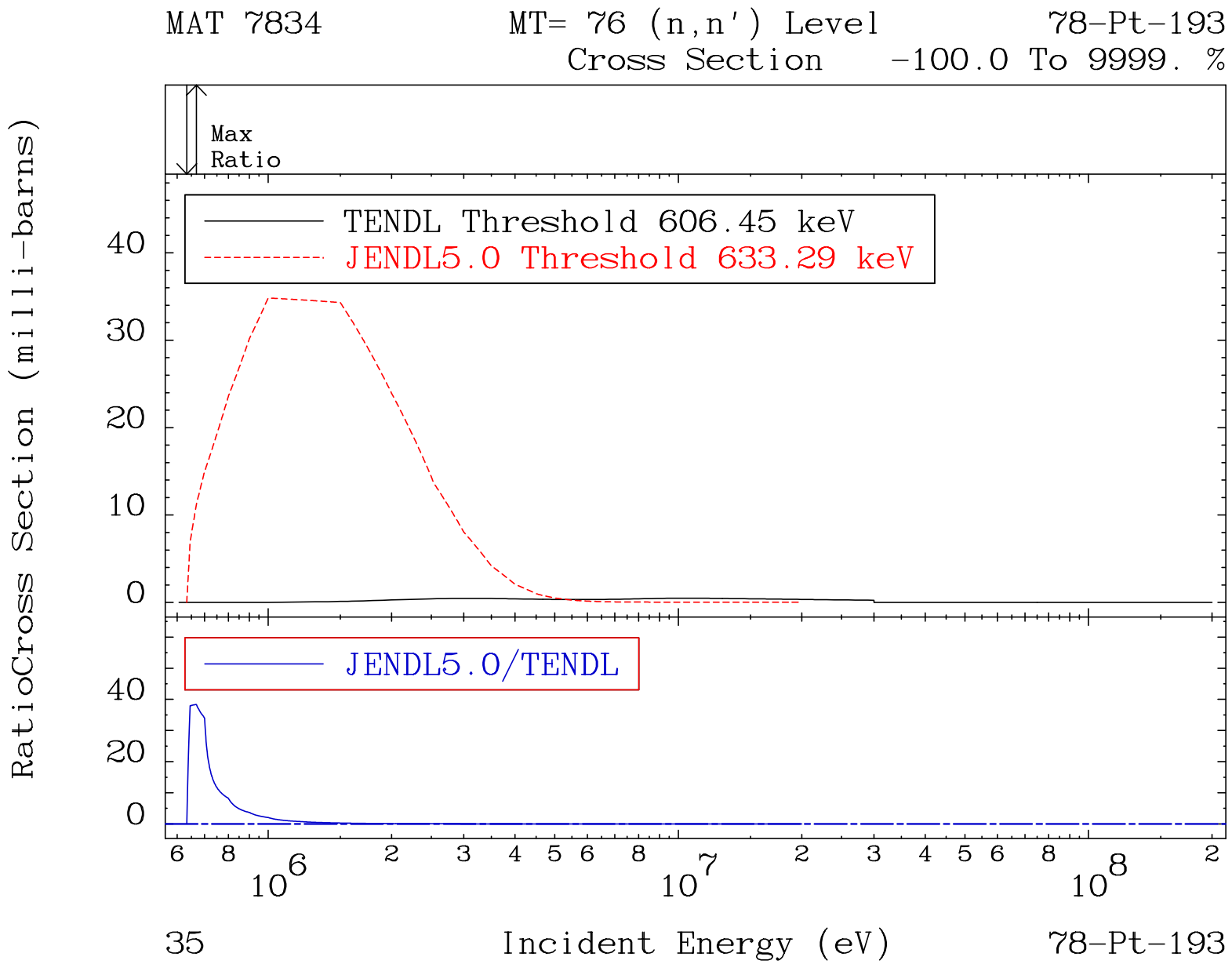

MAT 7834
MT= 71 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 80.41 %
Min Ratio
Max Ratio
TENDL Threshold 525.26 keV
JENDL5.0 Threshold 546.84 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
78-Pt-193

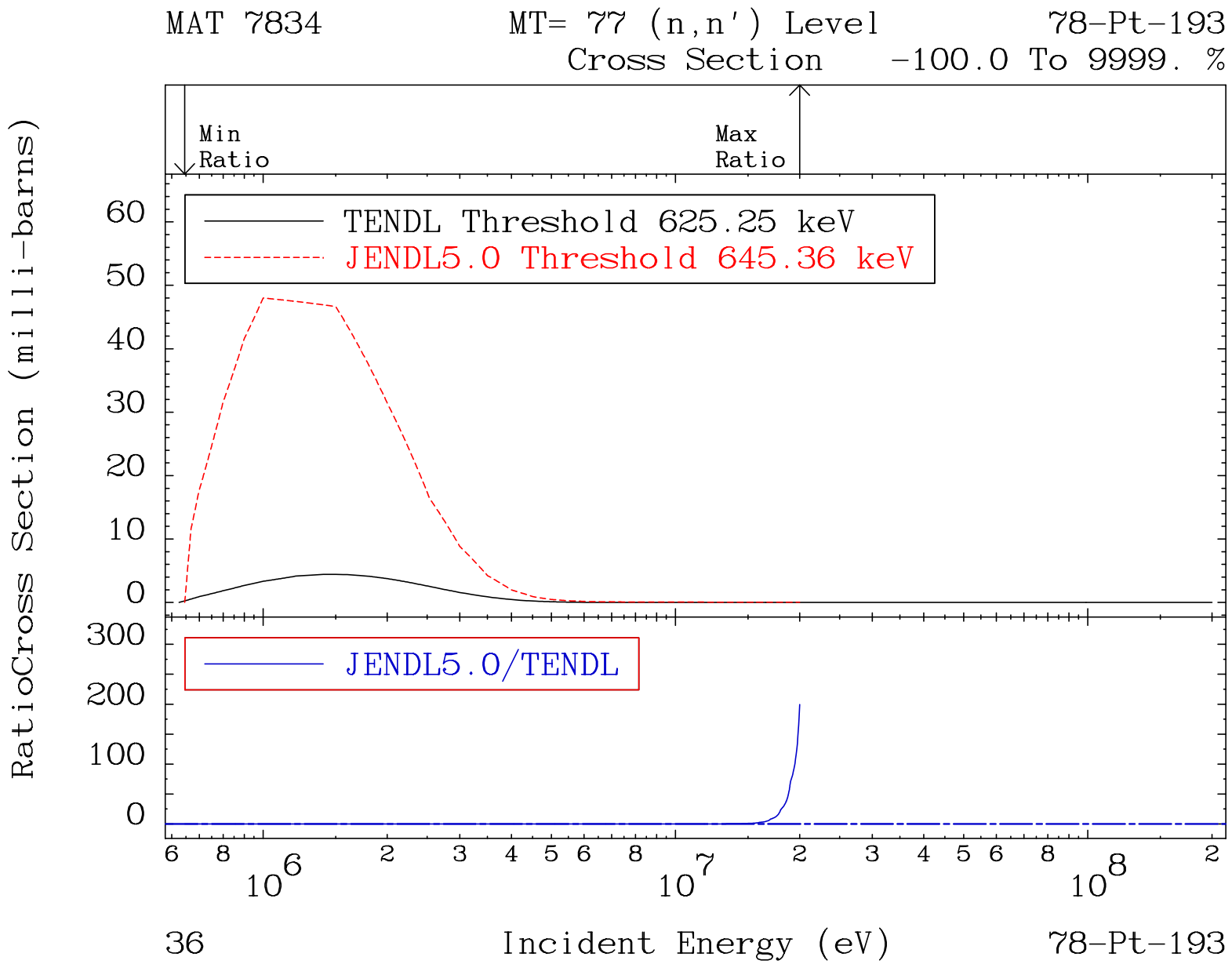

MAT 7834
MT= 72 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 97.72 %
Min Ratio
Max Ratio
TENDL Threshold 532.77 keV
JENDL5.0 Threshold 565.94 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
78-Pt-193

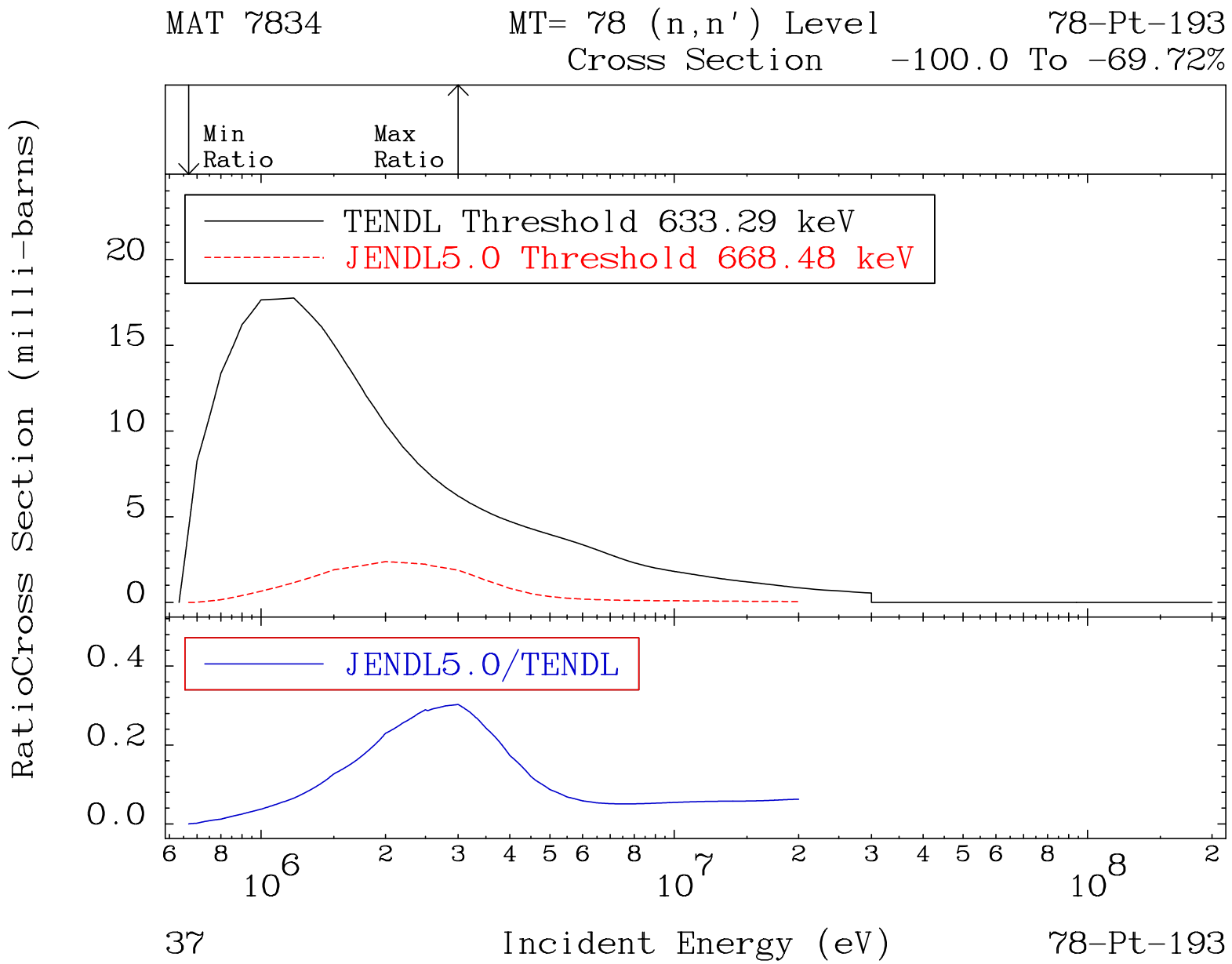

MAT 7834
MT= 73 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 451.0 %
Min Ratio
Max Ratio
TENDL Threshold 546.84 keV
JENDL5.0 Threshold 602.13 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
8
4
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
78-Pt-193

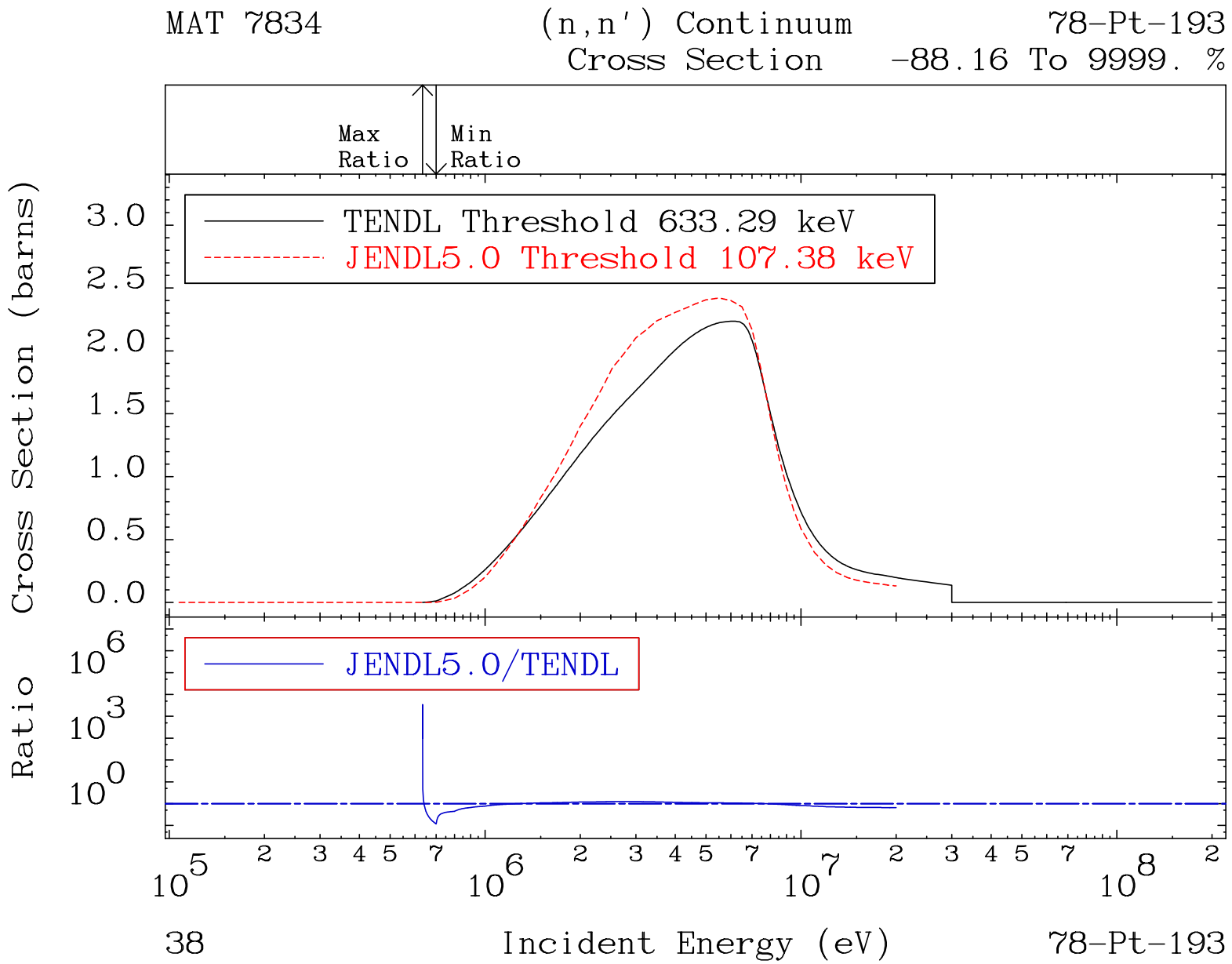

MAT 7834
MT= 74 (n,n') Level
78-Pt-193
Cross Section
-100.0 To -87.48%
Min Ratio
Max Ratio
TENDL Threshold 565.94 keV
JENDL5.0 Threshold 606.45 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
0.1
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
78-Pt-193

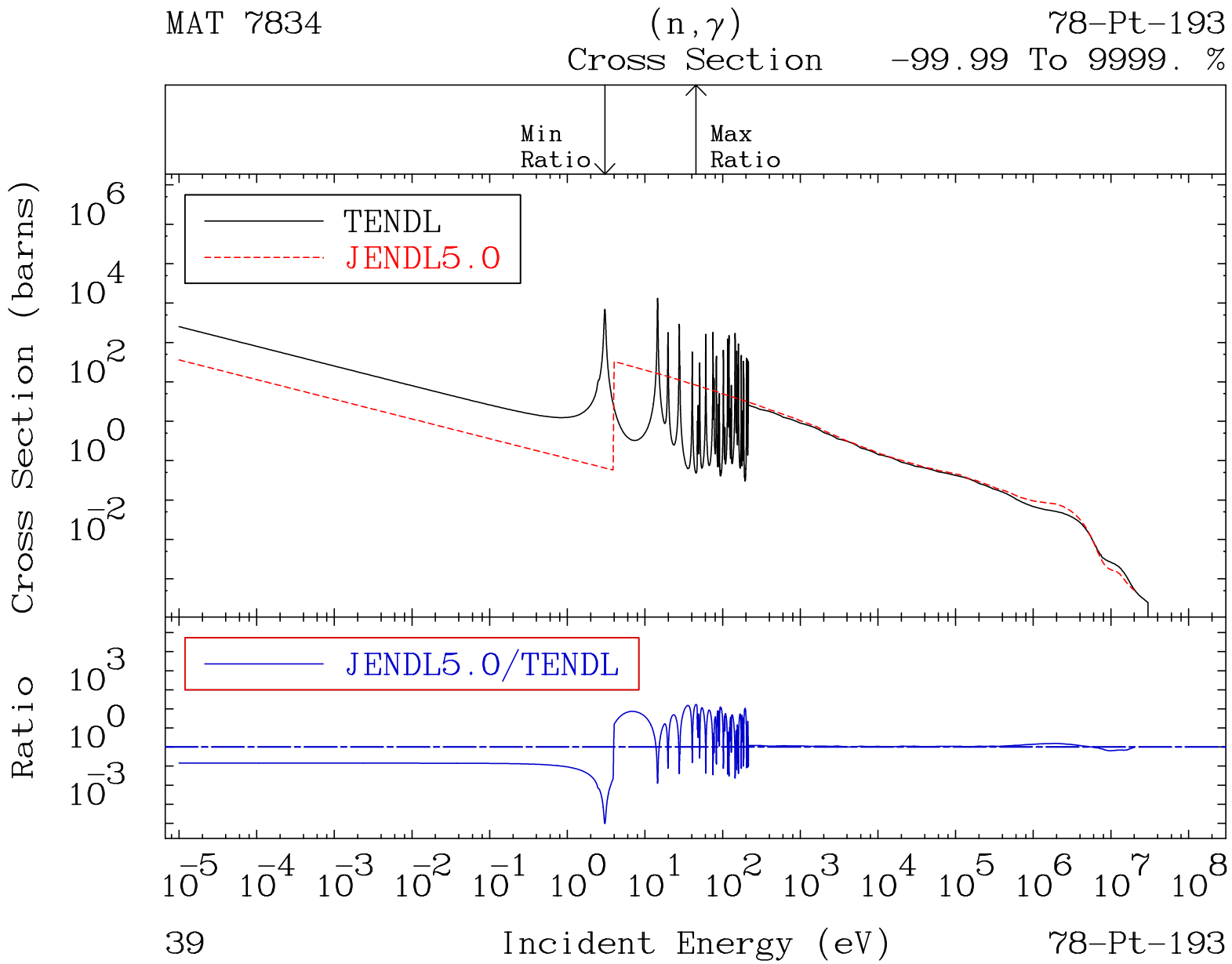

MAT 7834
MT= 75 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 72.61 %
Min Ratio
Max Ratio
TENDL Threshold 602.13 keV
JENDL5.0 Threshold 625.25 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
78-Pt-193

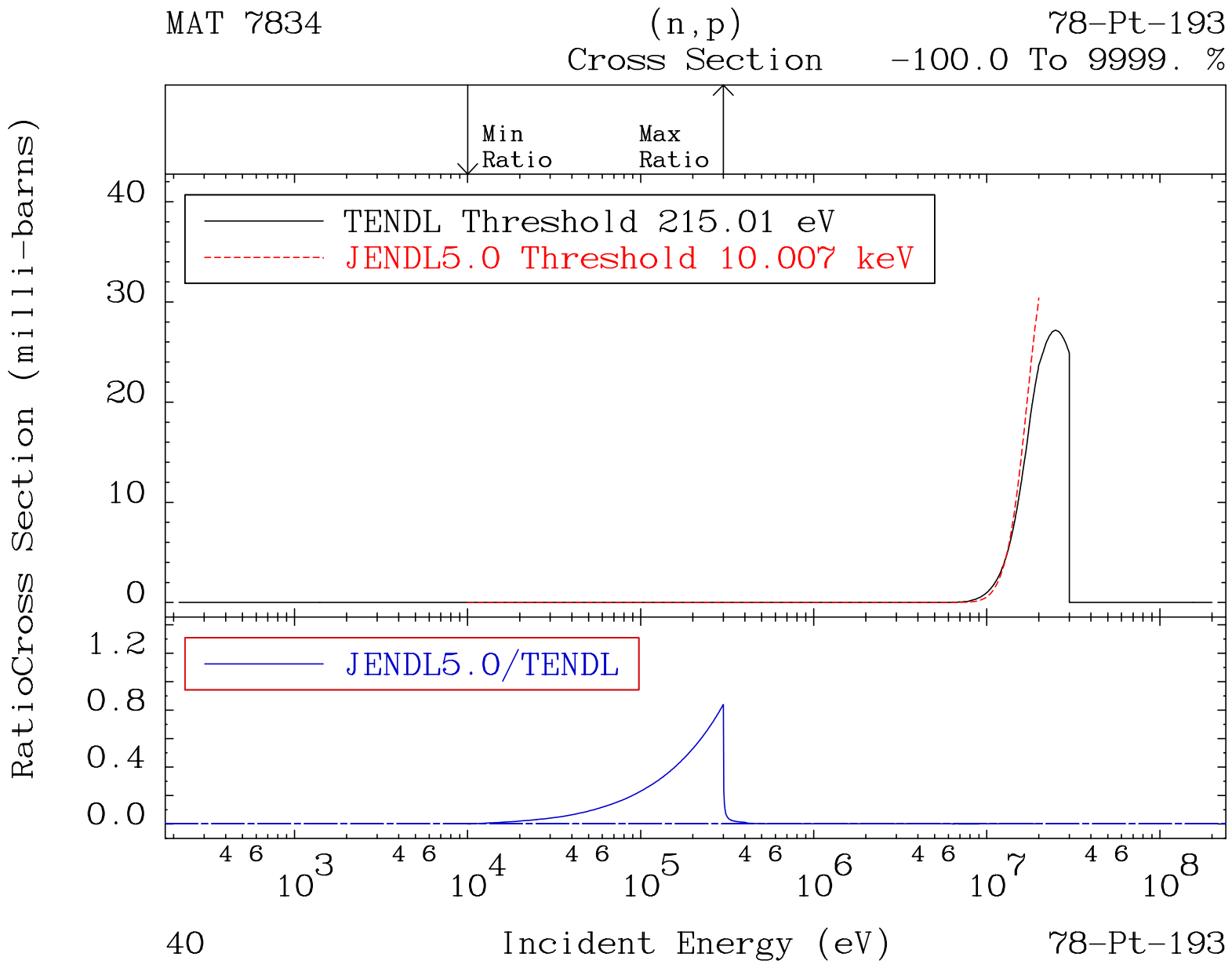

MAT 7834
MT= 76 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 606.45 keV
JENDL5.0 Threshold 633.29 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
40
20
0
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
35
Incident Energy (eV)
78-Pt-193

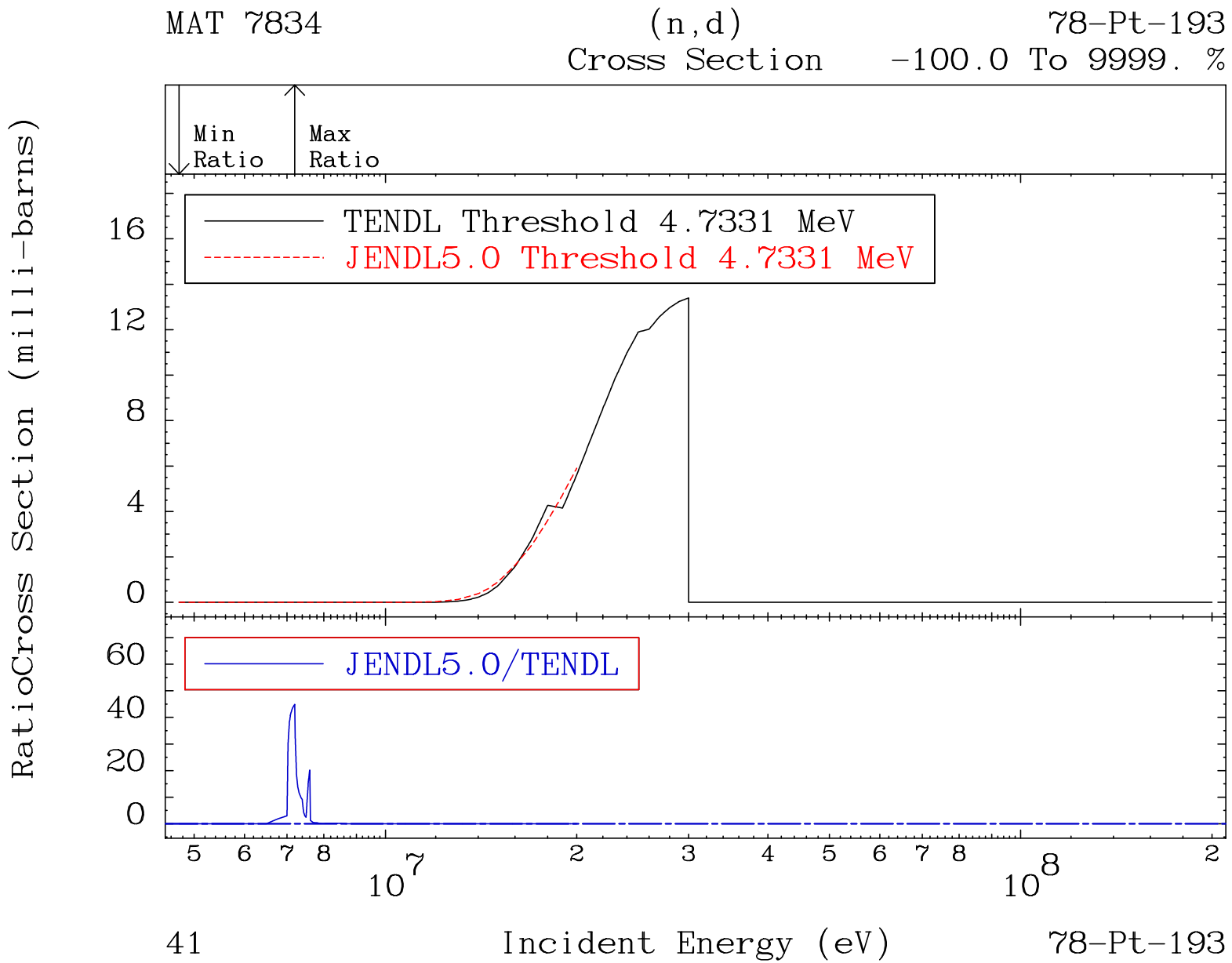

MAT 7834
MT= 77 (n,n') Level
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 625.25 keV
JENDL5.0 Threshold 645.36 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
300
200
100
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
78-Pt-193

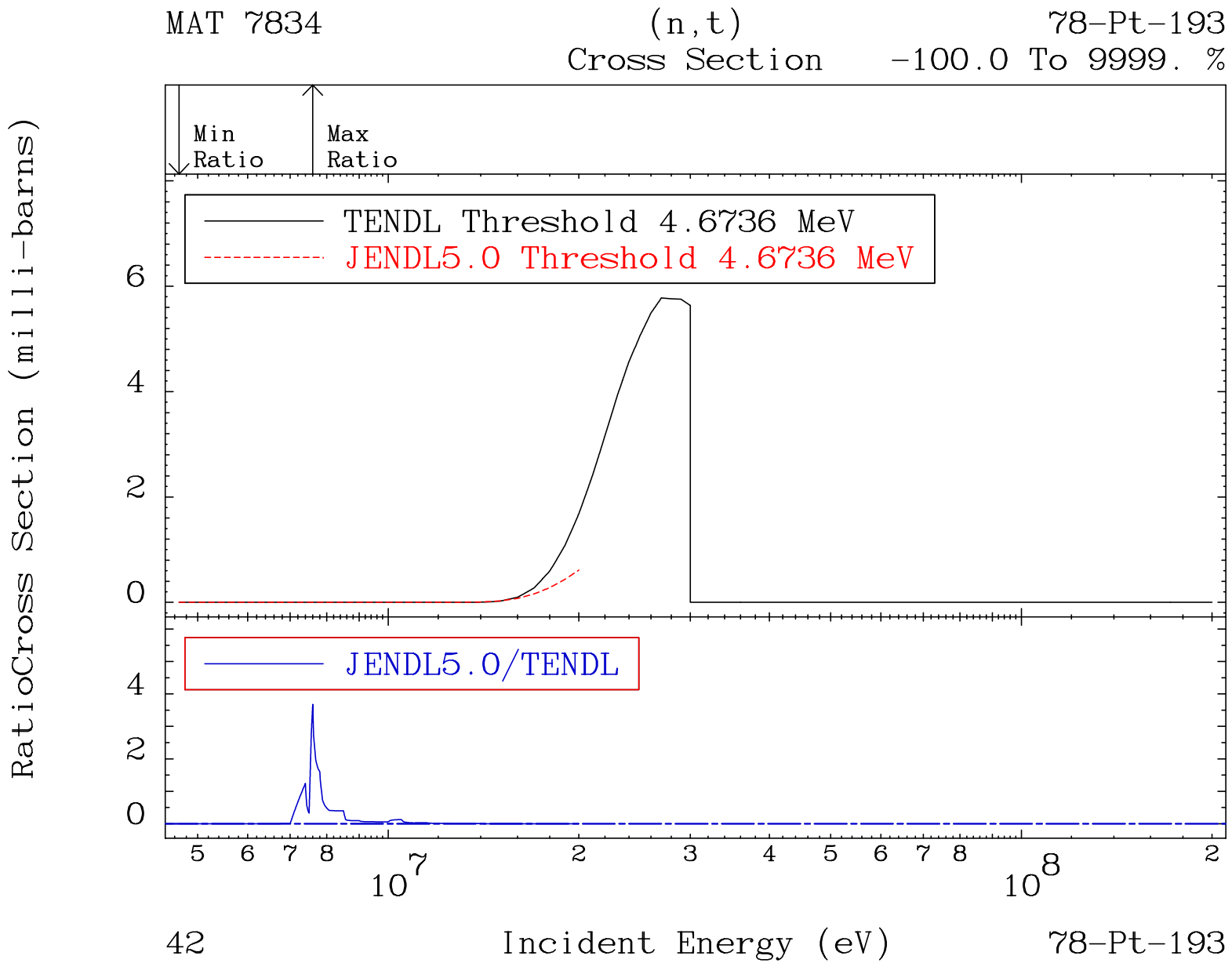

MAT 7834
MT= 78 (n,n') Level
78-Pt-193
Cross Section
-100.0 To -69.72%
Min Ratio
Max Ratio
TENDL Threshold 633.29 keV
JENDL5.0 Threshold 668.48 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
78-Pt-193

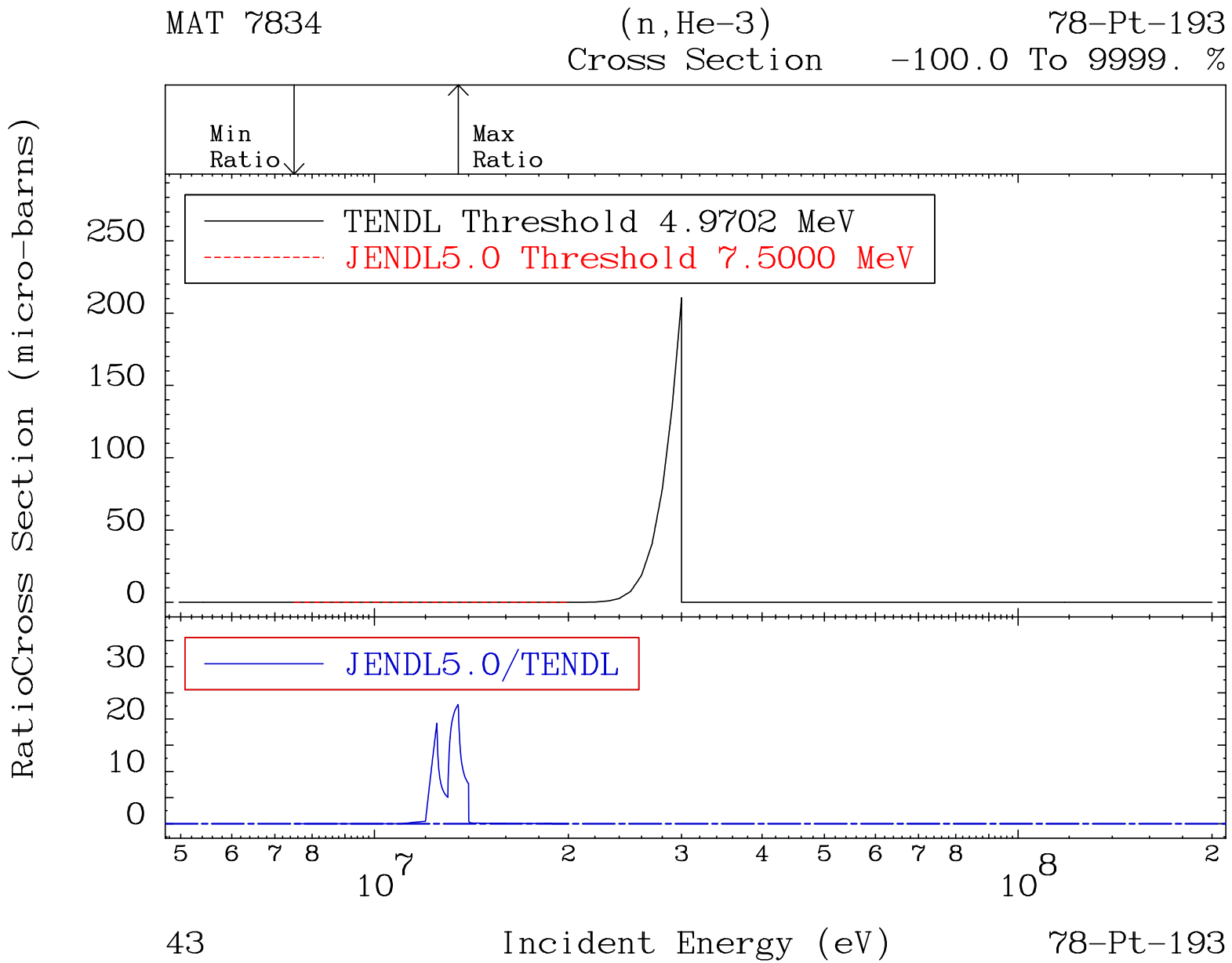

MAT 7834
(n,n') Continuum
Cross Section
78-Pt-193
-88.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 633.29 keV
JENDL5.0 Threshold 107.38 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
10^6
10^3
10^0
10^5
10^6
10^7
10^8
Incident Energy (eV)
38
78-Pt-193

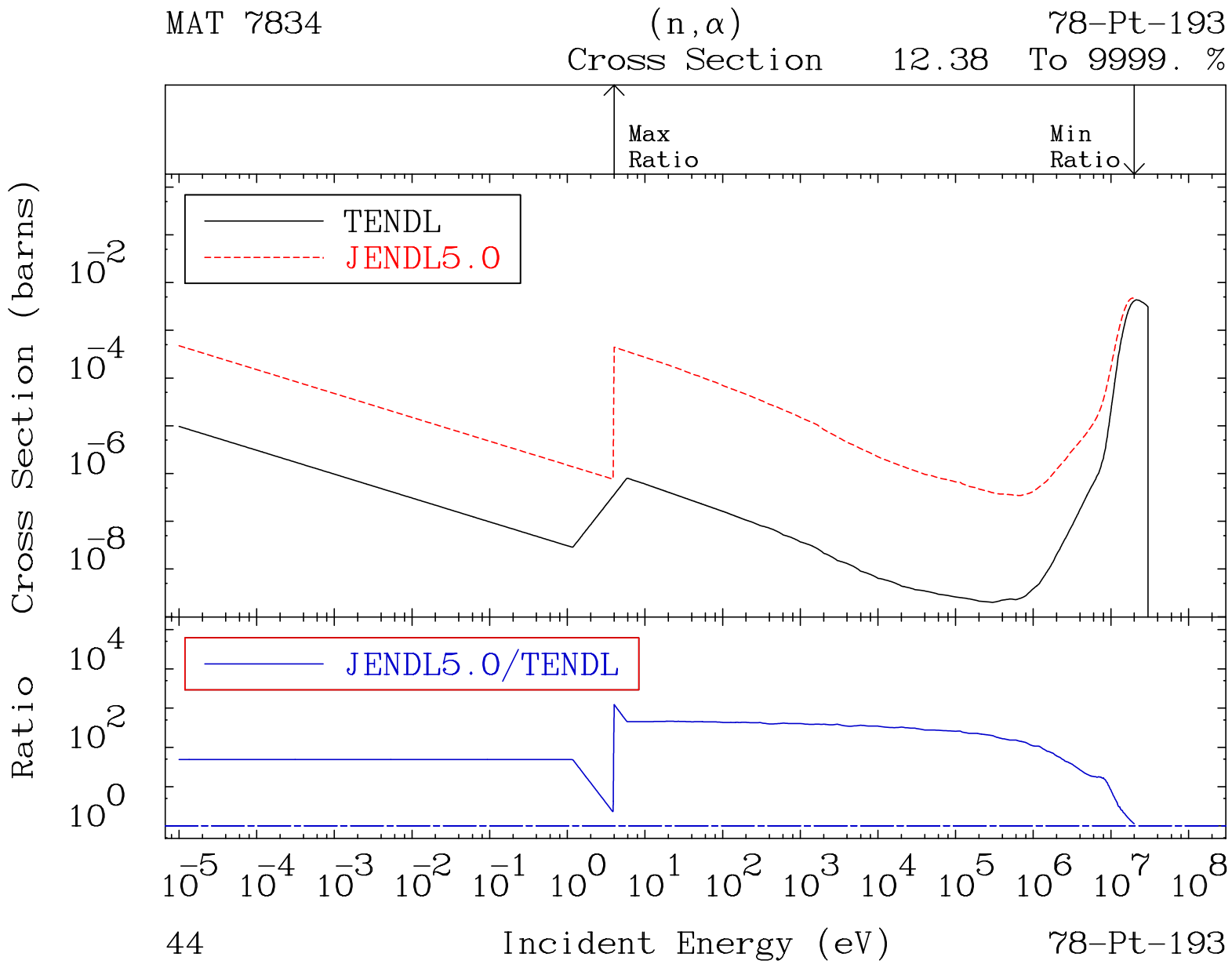

MAT 7834
(n,γ)
Cross Section
78-Pt-193
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
78-Pt-193

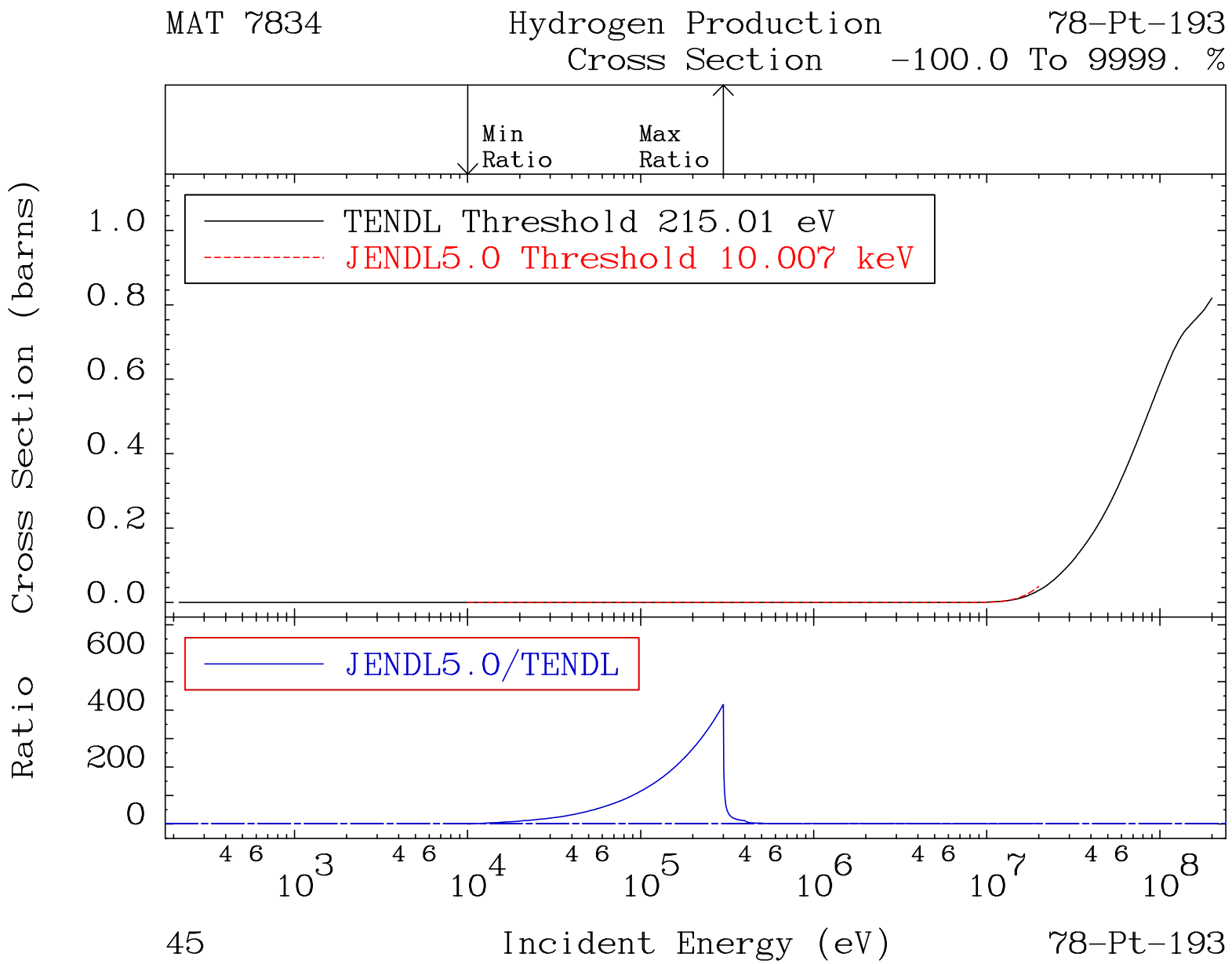

MAT 7834
(n,p)
Cross Section
78-Pt-193
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 215.01 eV
JENDL5.0 Threshold 10.007 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
78-Pt-193

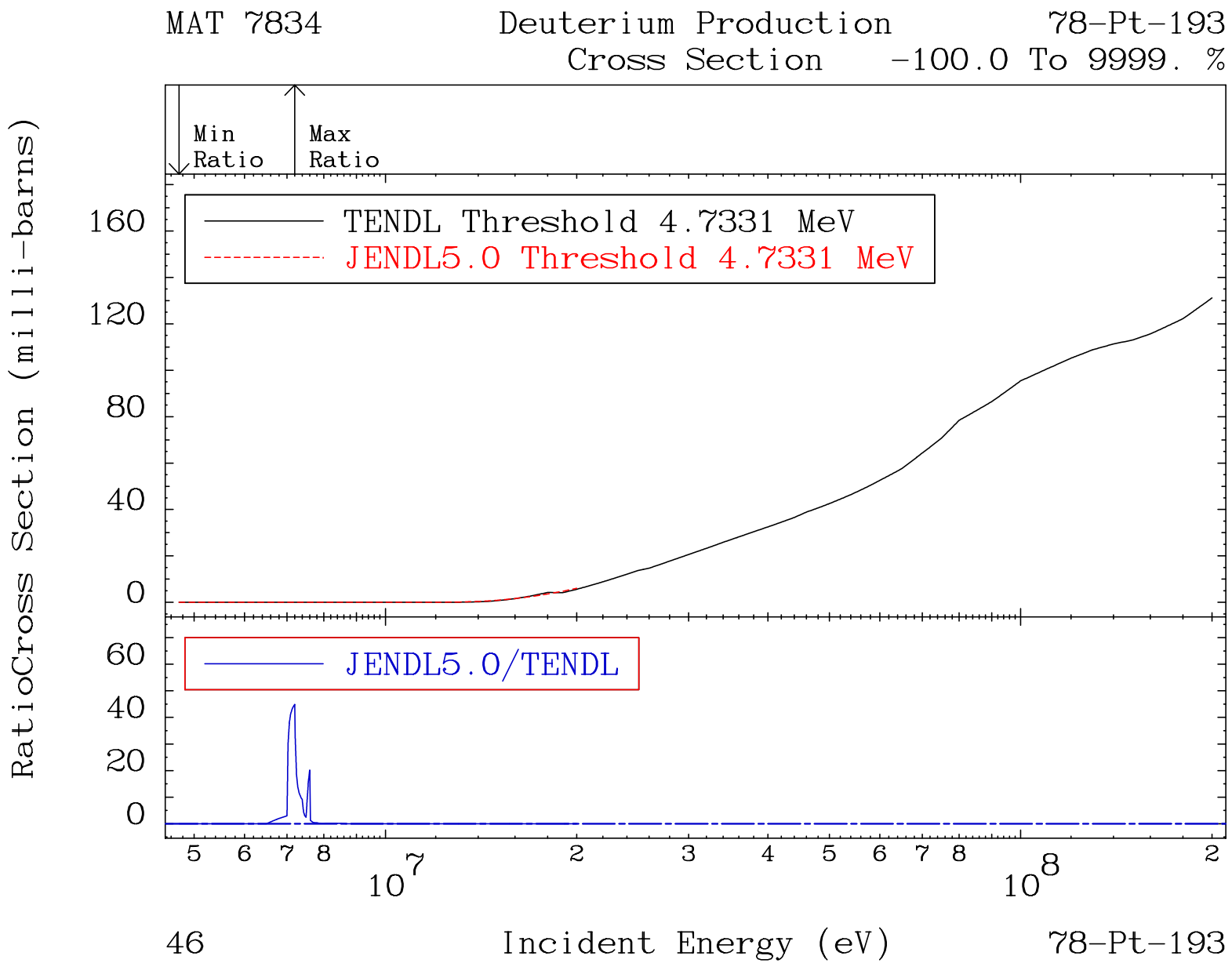

MAT 7834
(n,d)
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7331 MeV
JENDL5.0 Threshold 4.7331 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
60
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
78-Pt-193

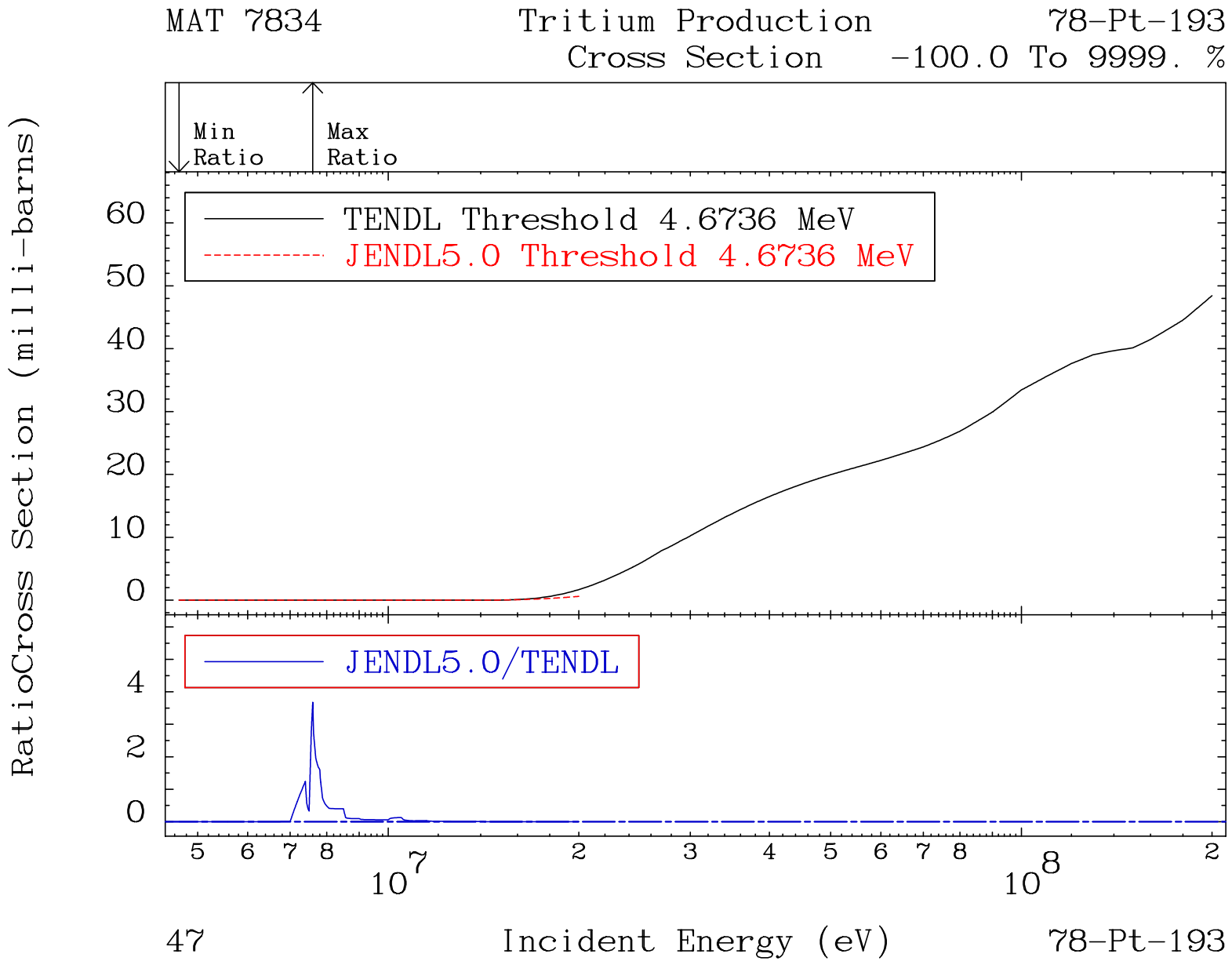

MAT 7834
(n,t)
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6736 MeV
JENDL5.0 Threshold 4.6736 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
78-Pt-193

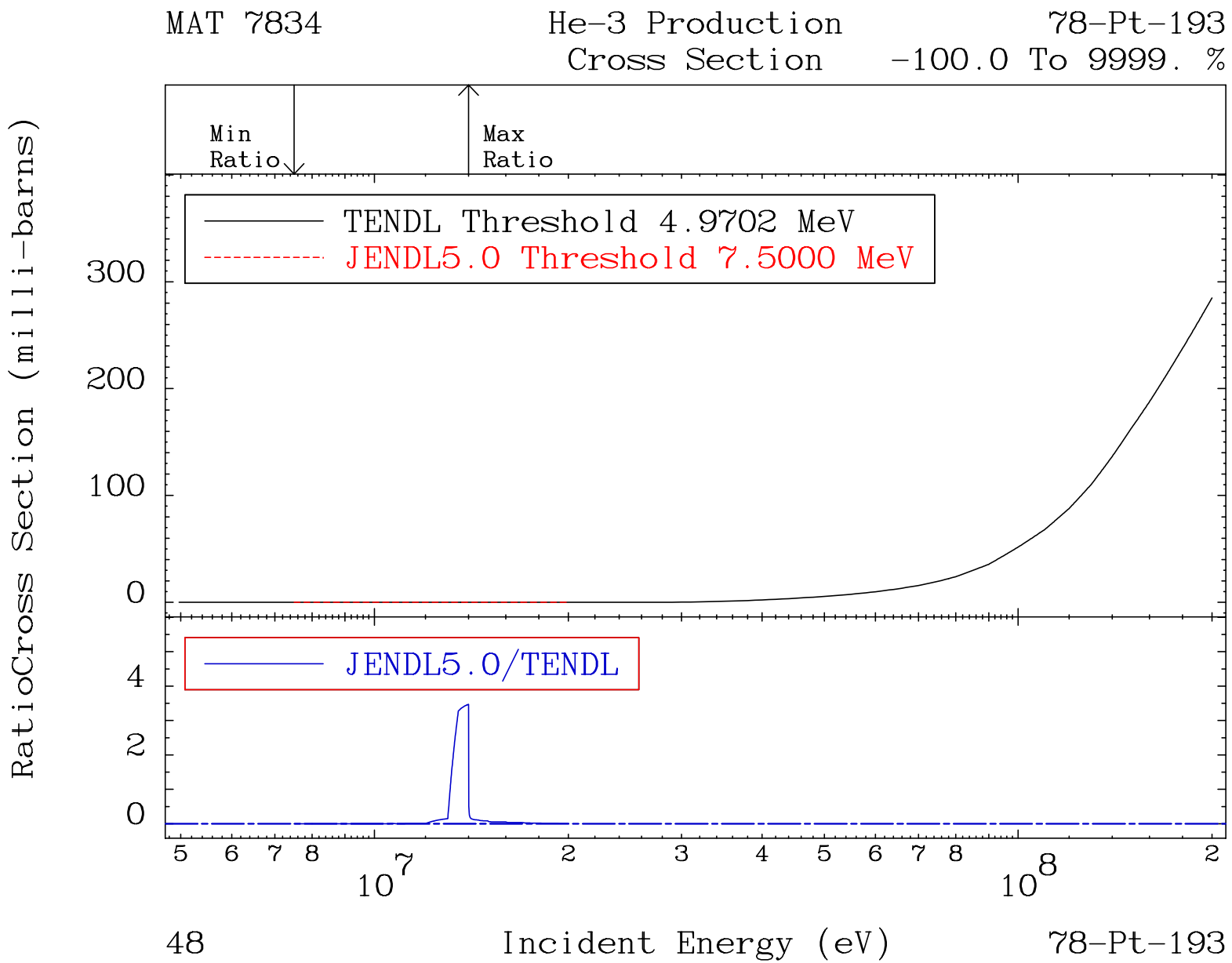

MAT 7834
(n,He-3)
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JENDL5.0 Threshold 7.5000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
30
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
78-Pt-193

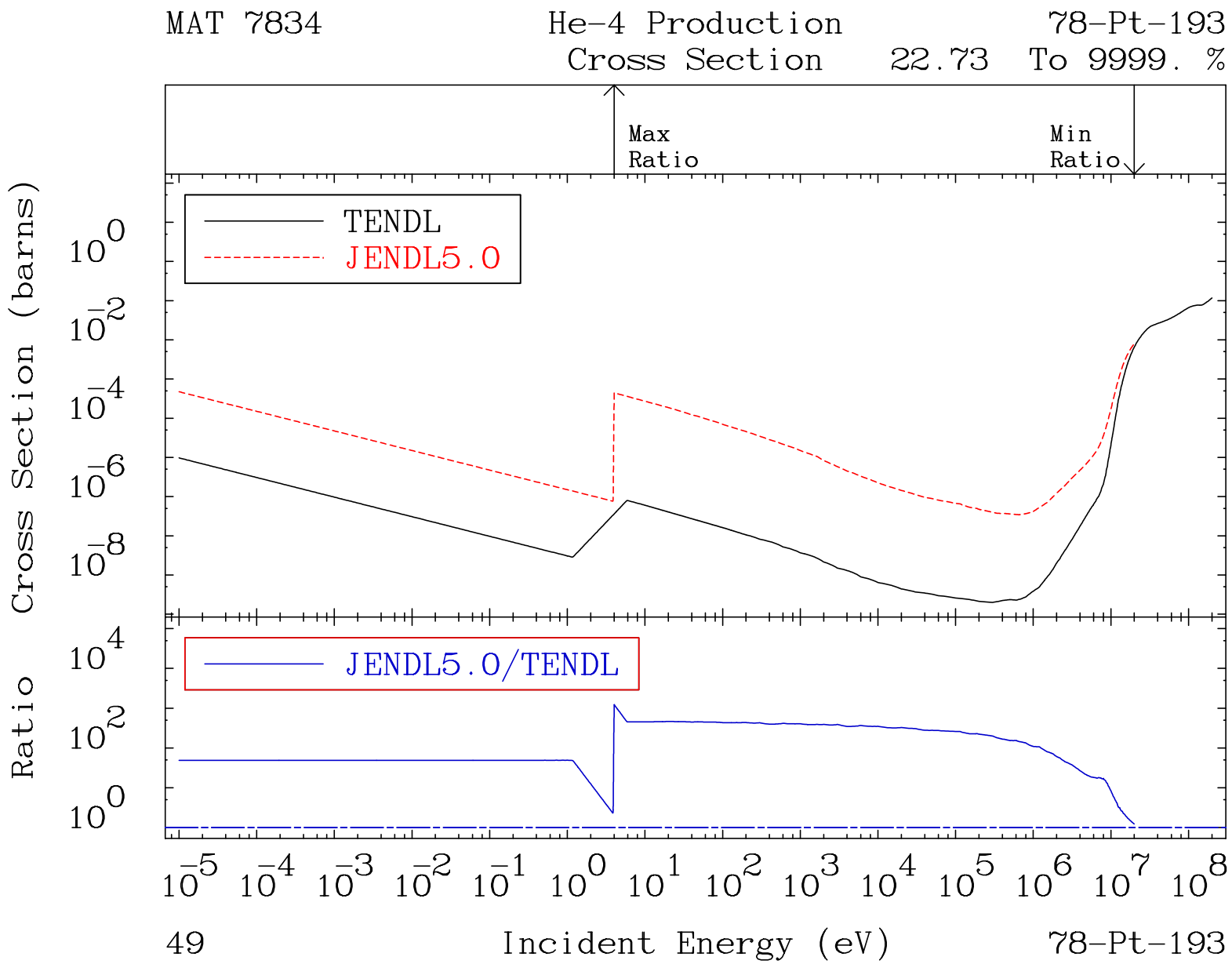

MAT 7834
(n,α)
78-Pt-193
Cross Section 12.38 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
JENDL5.0/TENDL
Ratio
10^4
10^2
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
44
Incident Energy (eV)
78-Pt-193

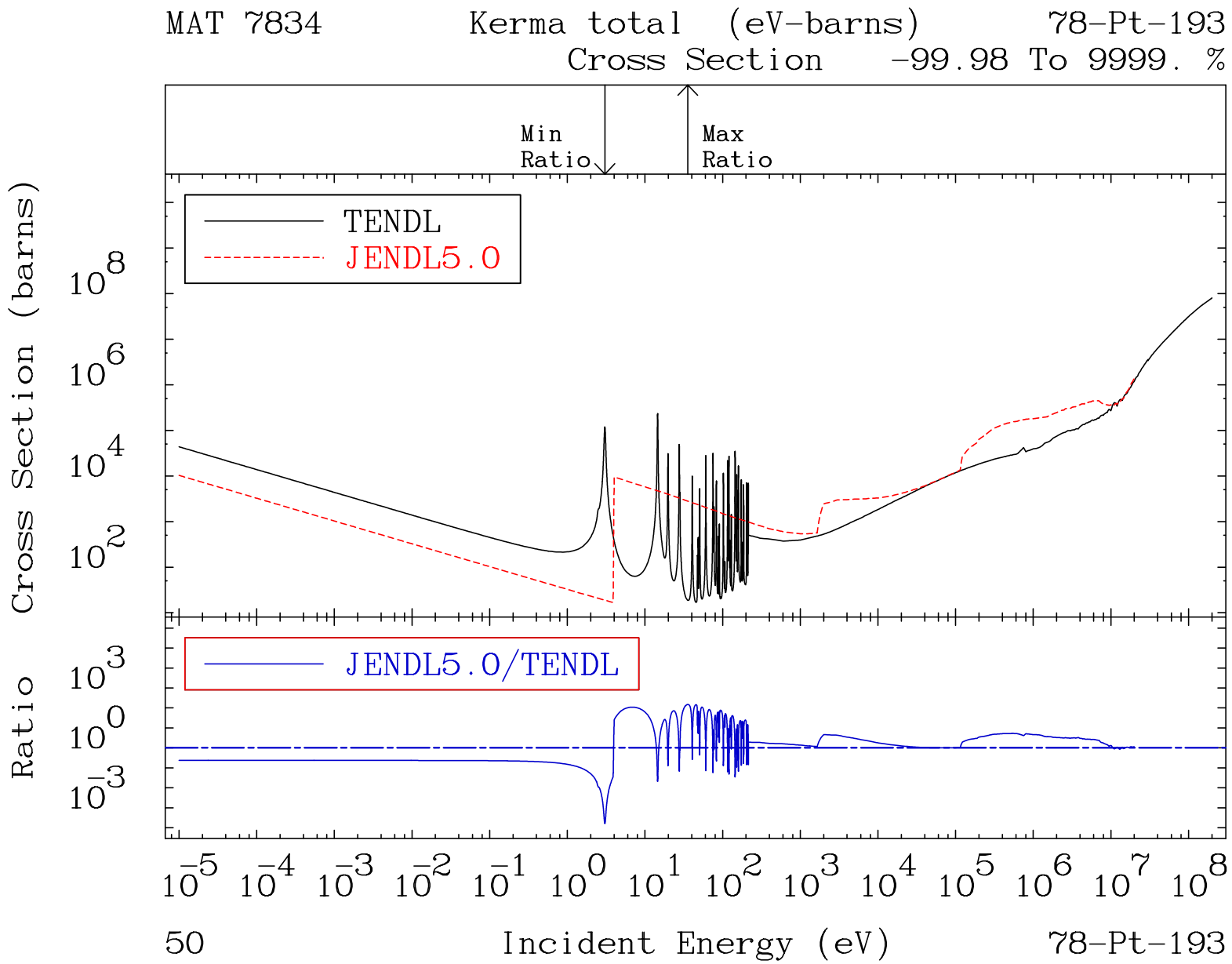

MAT 7834
Hydrogen Production
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 215.01 eV
JENDL5.0 Threshold 10.007 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
600
400
200
0
4 6
10^3
4 6
10^4
4 6
10^5
4 6
10^6
4 6
10^7
4 6
10^8
45
Incident Energy (eV)
78-Pt-193

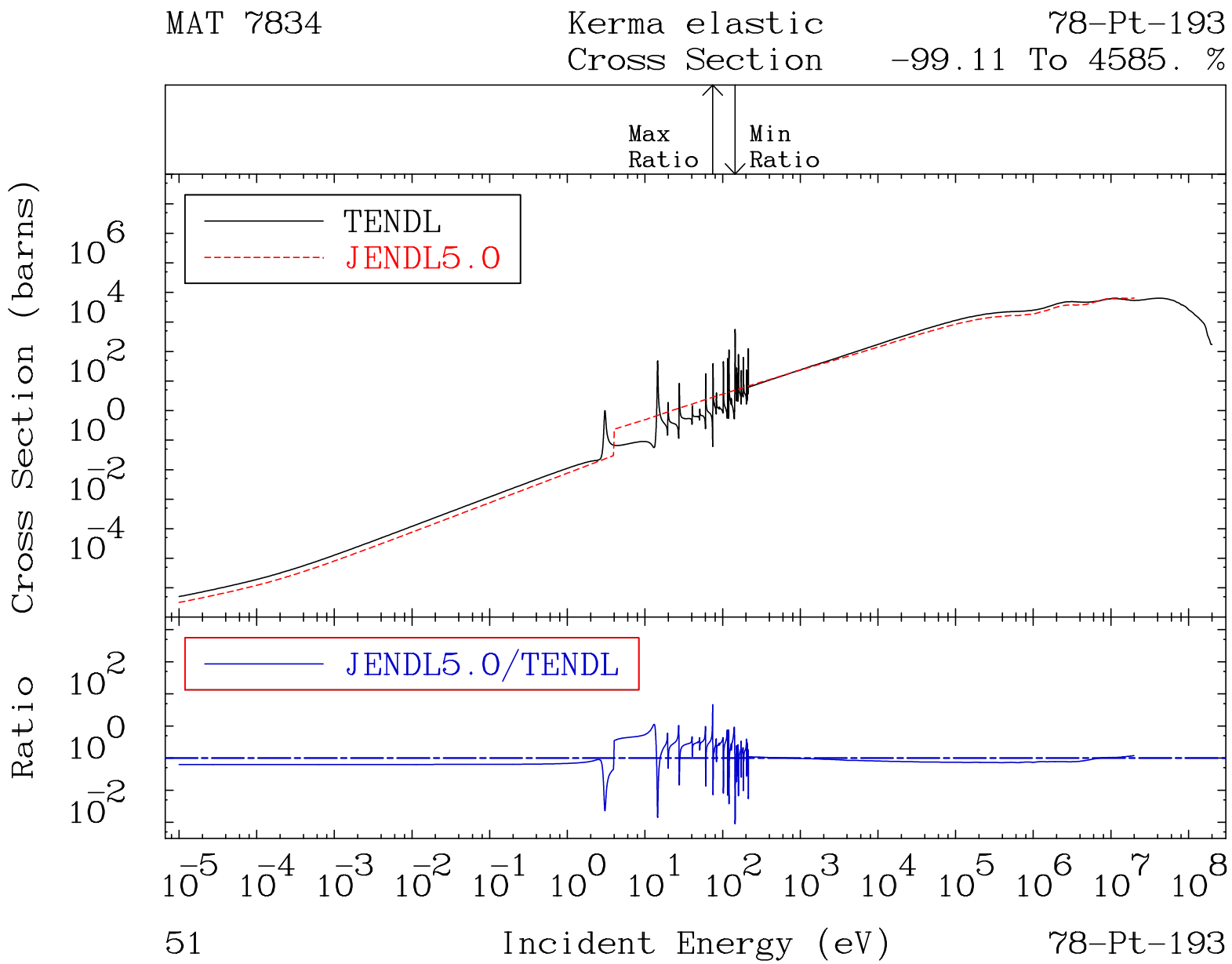

MAT 7834
Deuterium Production
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7331 MeV
JENDL5.0 Threshold 4.7331 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
60
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
78-Pt-193

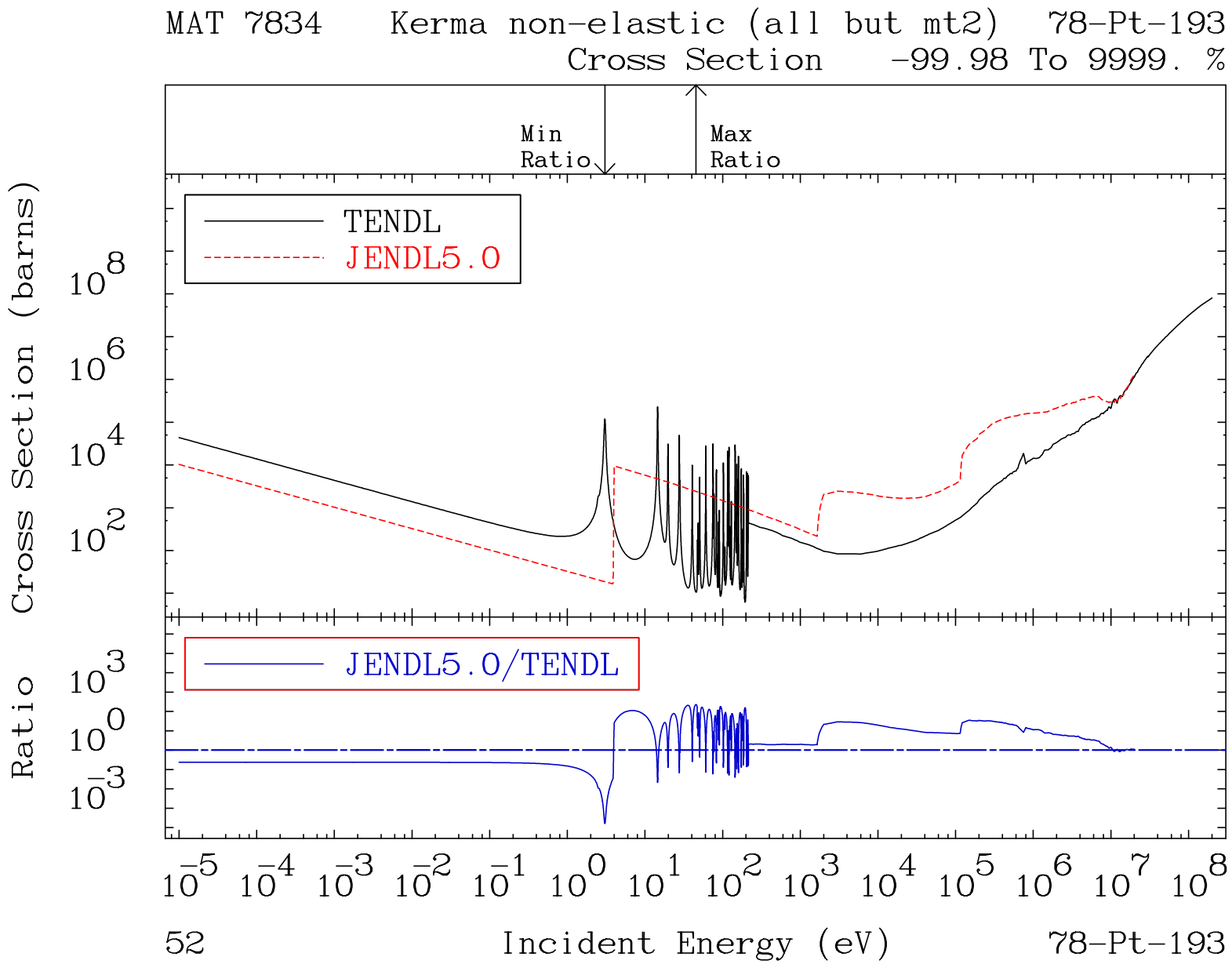

MAT 7834
Tritium Production
78-Pt-193
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6736 MeV
JENDL5.0 Threshold 4.6736 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
78-Pt-193

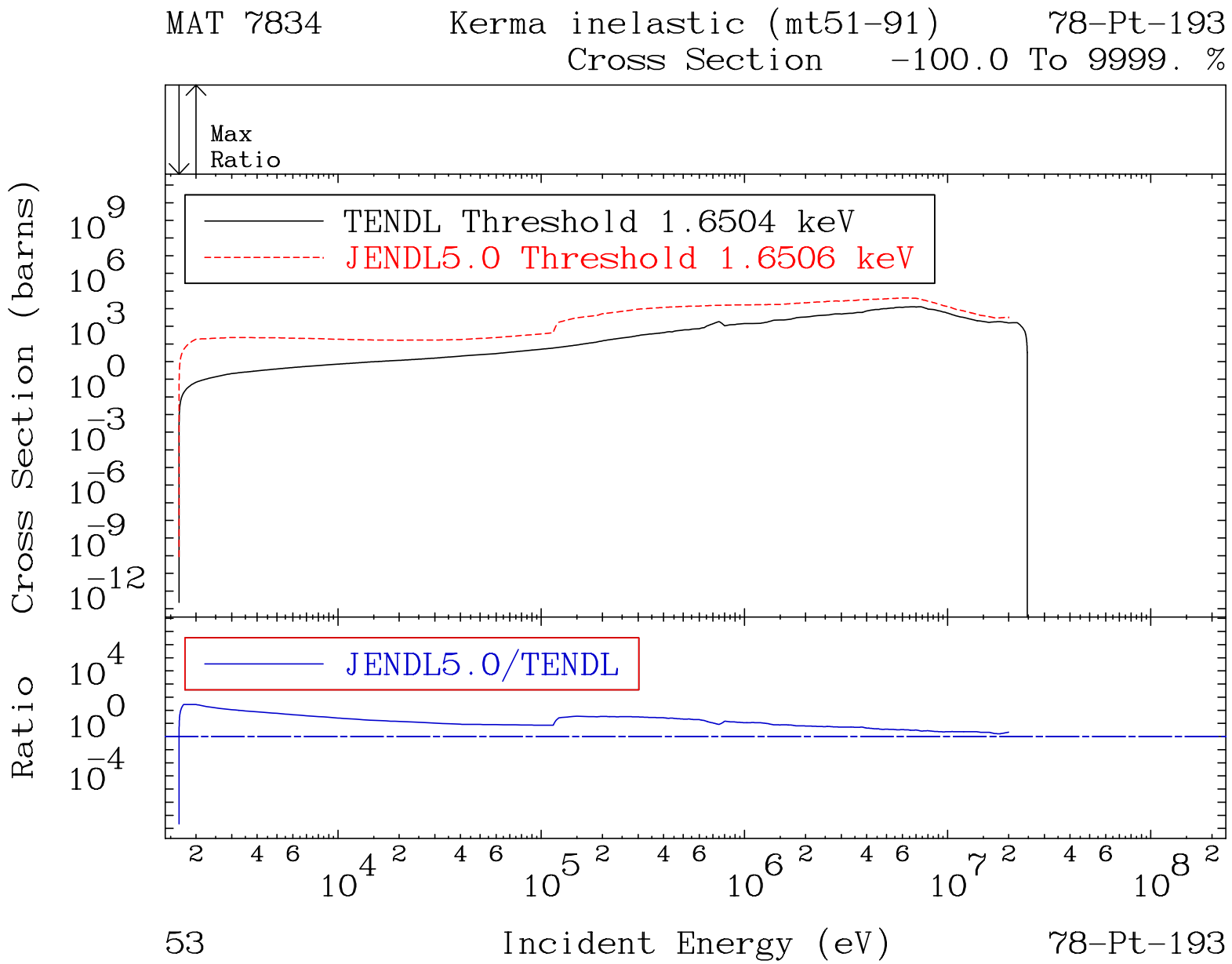

MAT 7834
He-3 Production
Cross Section
78-Pt-193
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JENDL5.0 Threshold 7.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
4
2
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
78-Pt-193

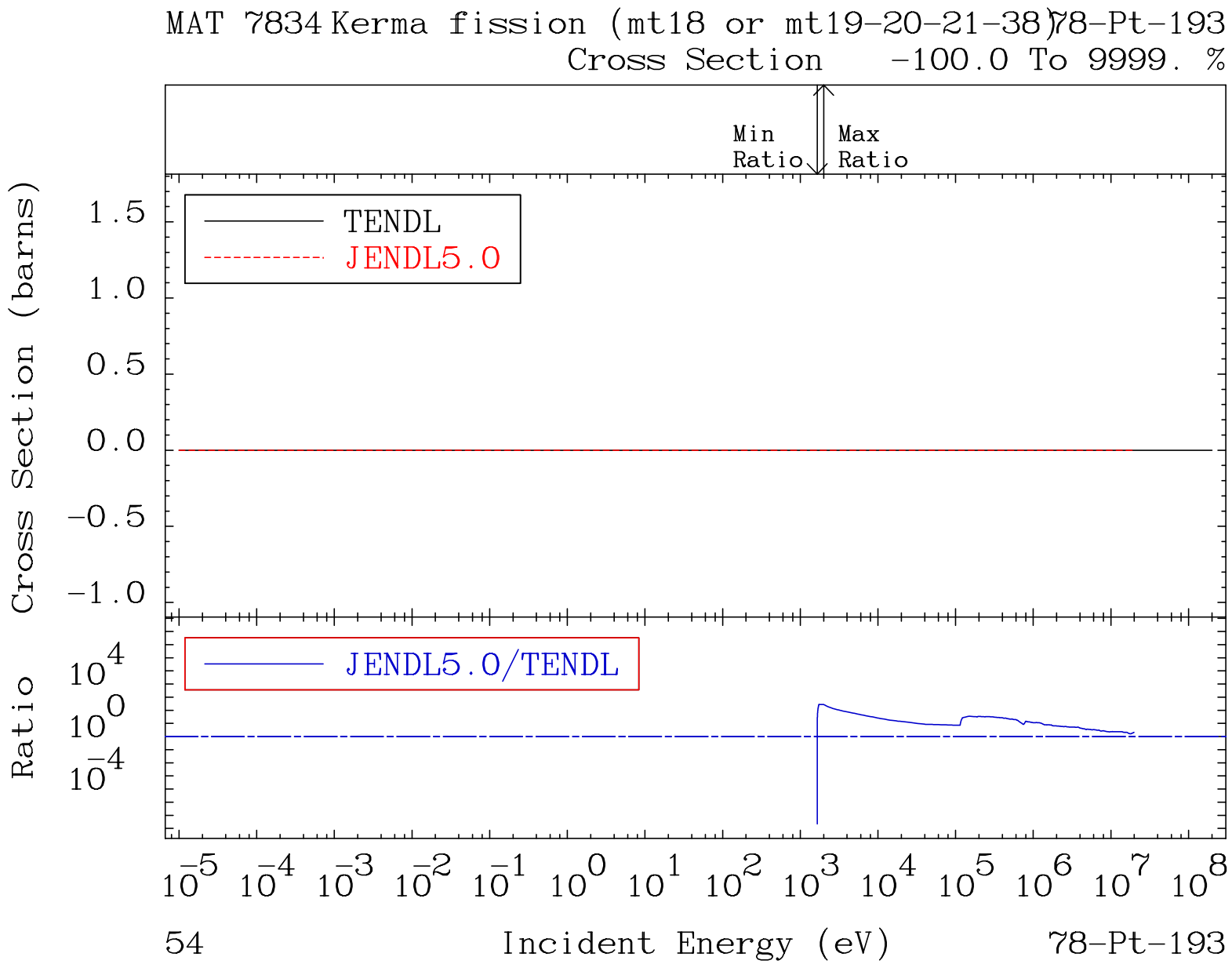

MAT 7834
He-4 Production
Cross Section
78-Pt-193
22.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
78-Pt-193

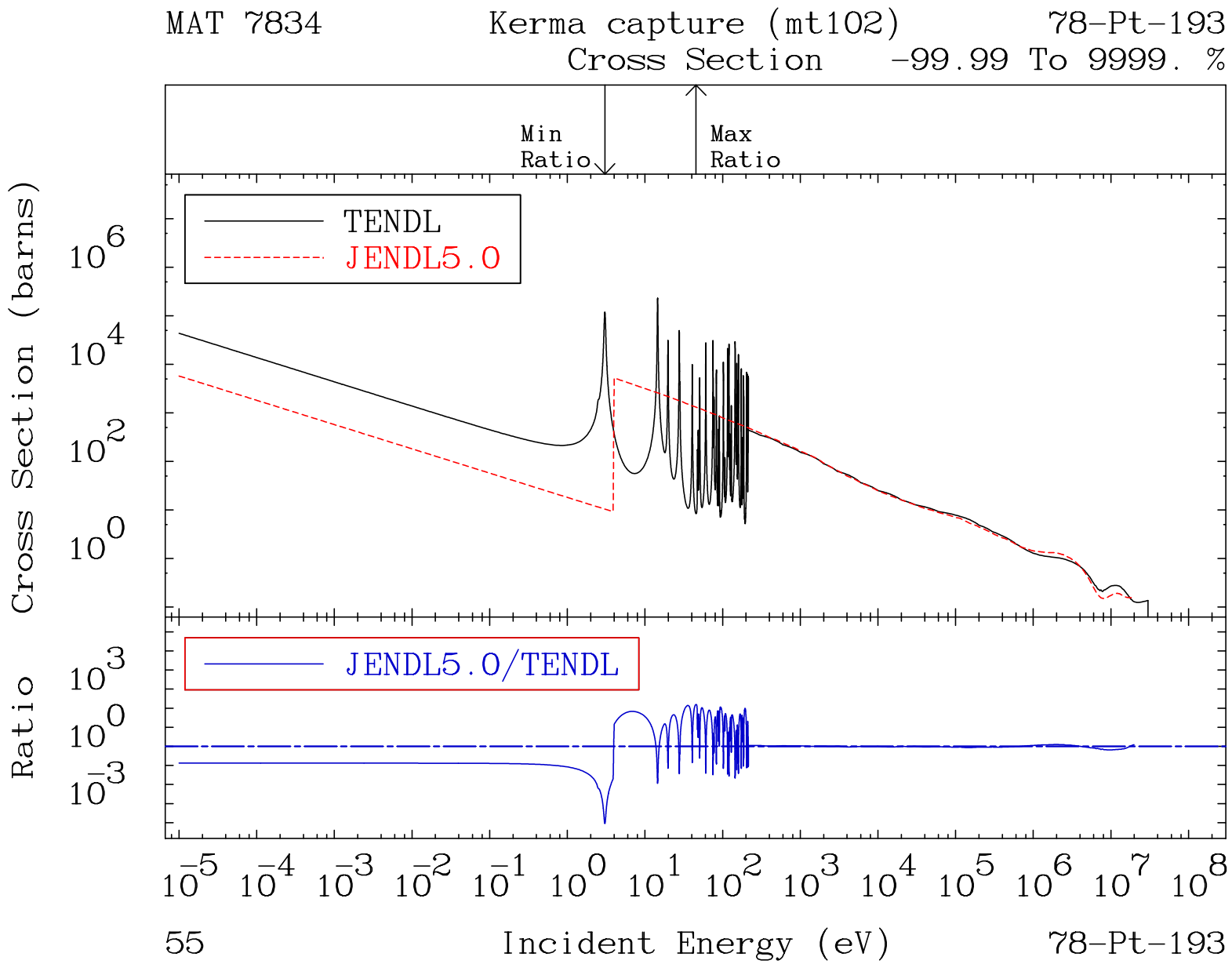

MAT 7834
Kerma total (eV-barns)
78-Pt-193
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
78-Pt-193

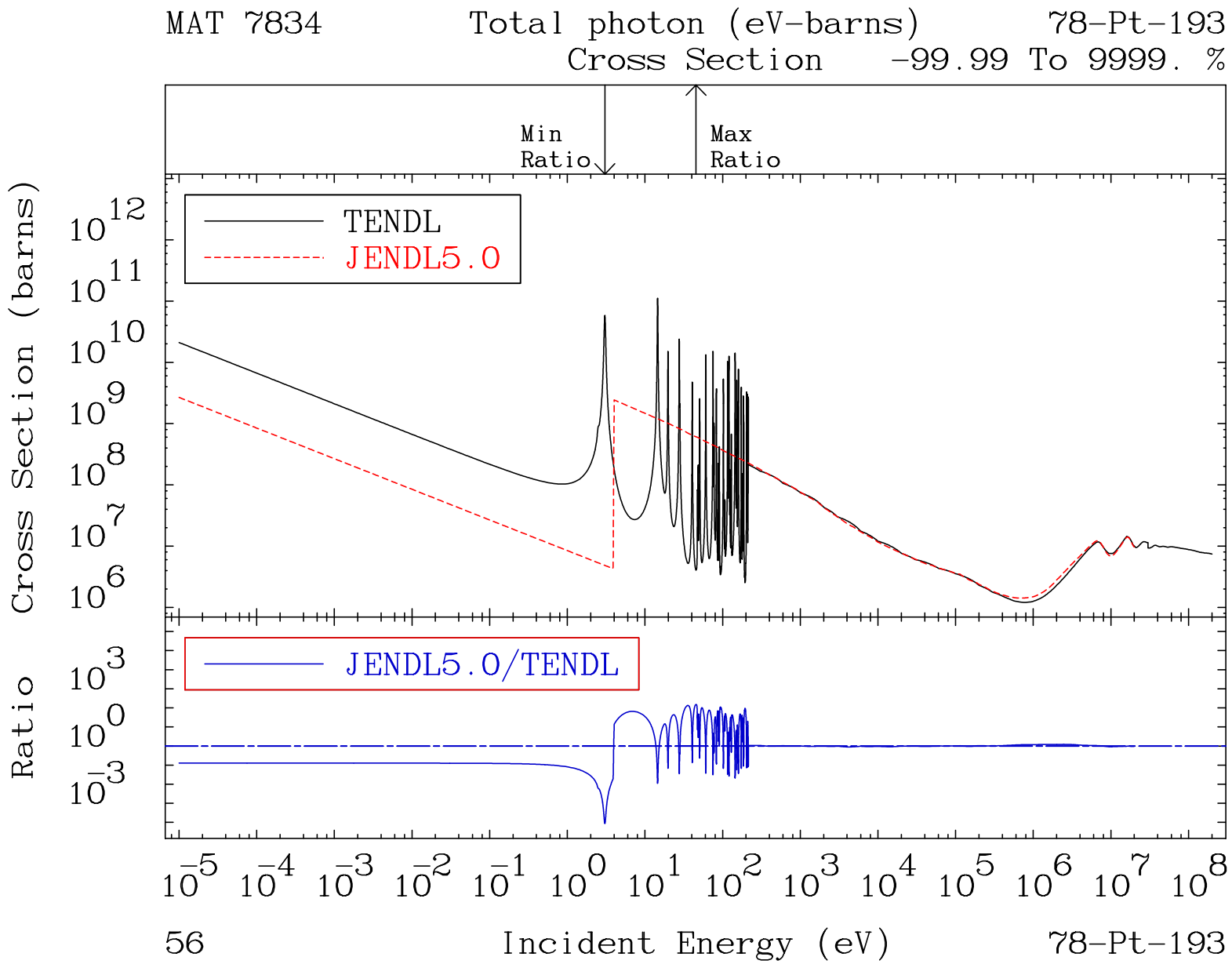

MAT 7834
Kerma elastic
Cross Section
78-Pt-193
-99.11 To 4585. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
78-Pt-193

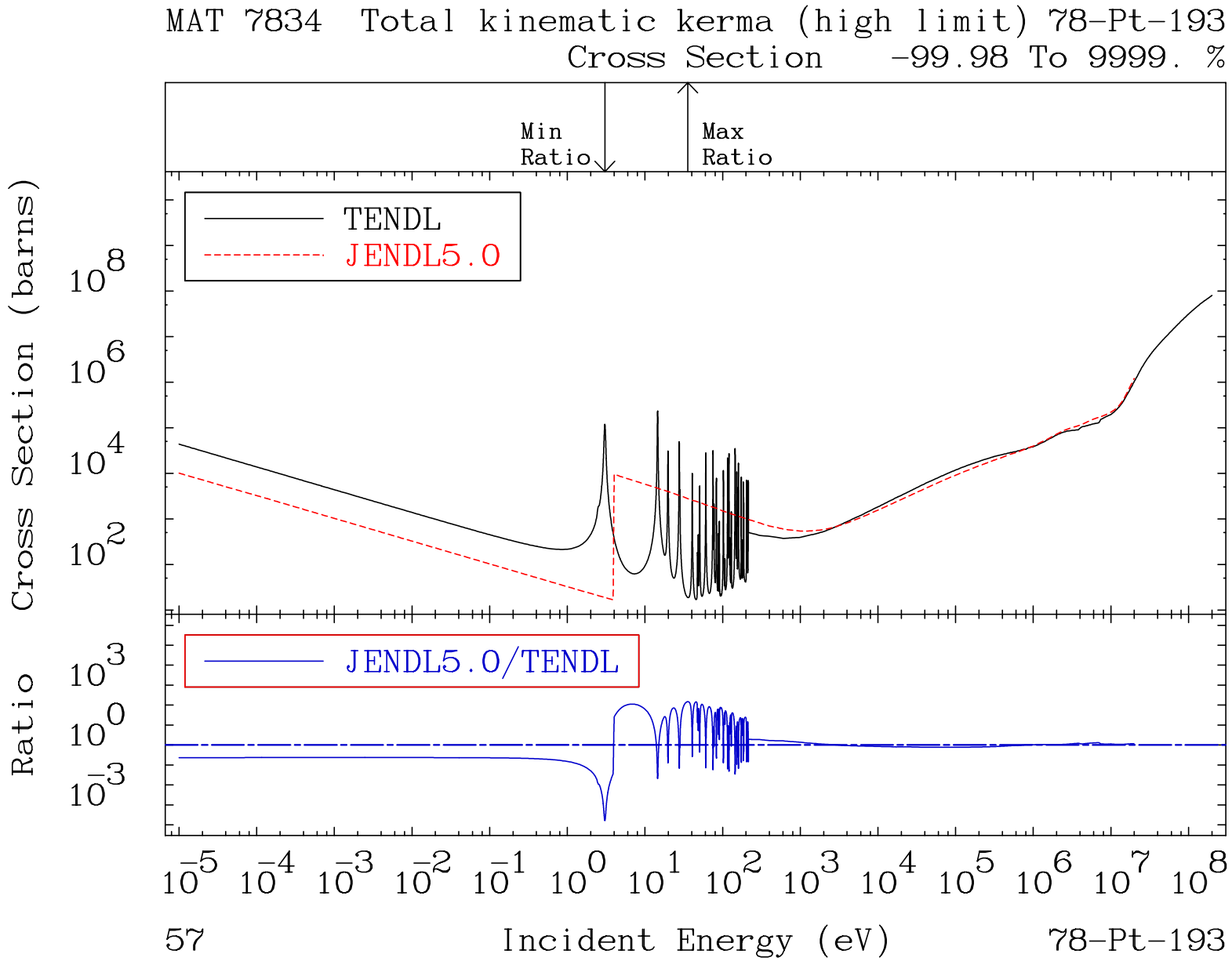

MAT 7834 Kerma non-elastic (all but mt2) 78-Pt-193
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
78-Pt-193

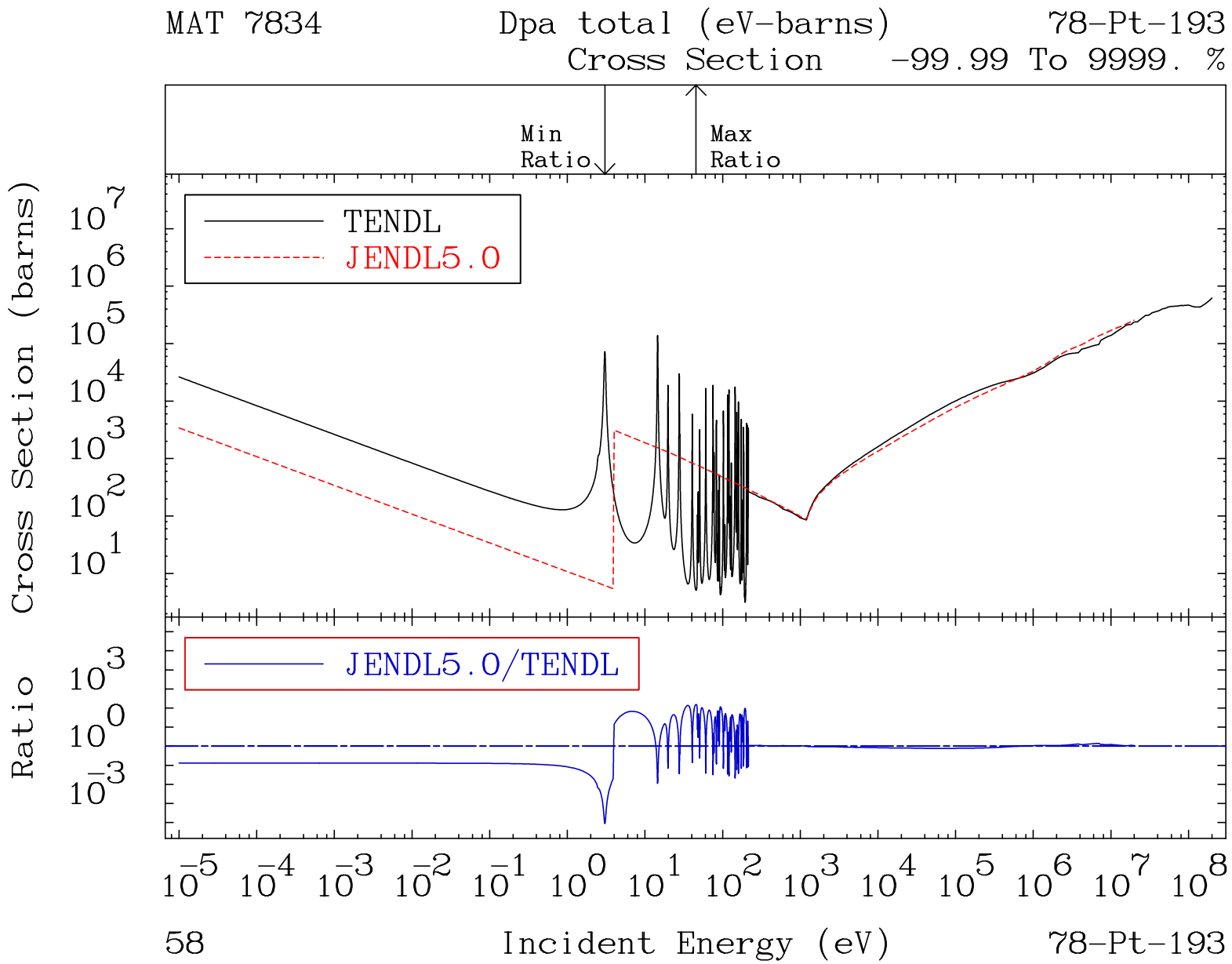

MAT 7834
Kerma inelastic (mt51-91)
78-Pt-193
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 1.6504 keV
JENDL5.0 Threshold 1.6506 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
78-Pt-193

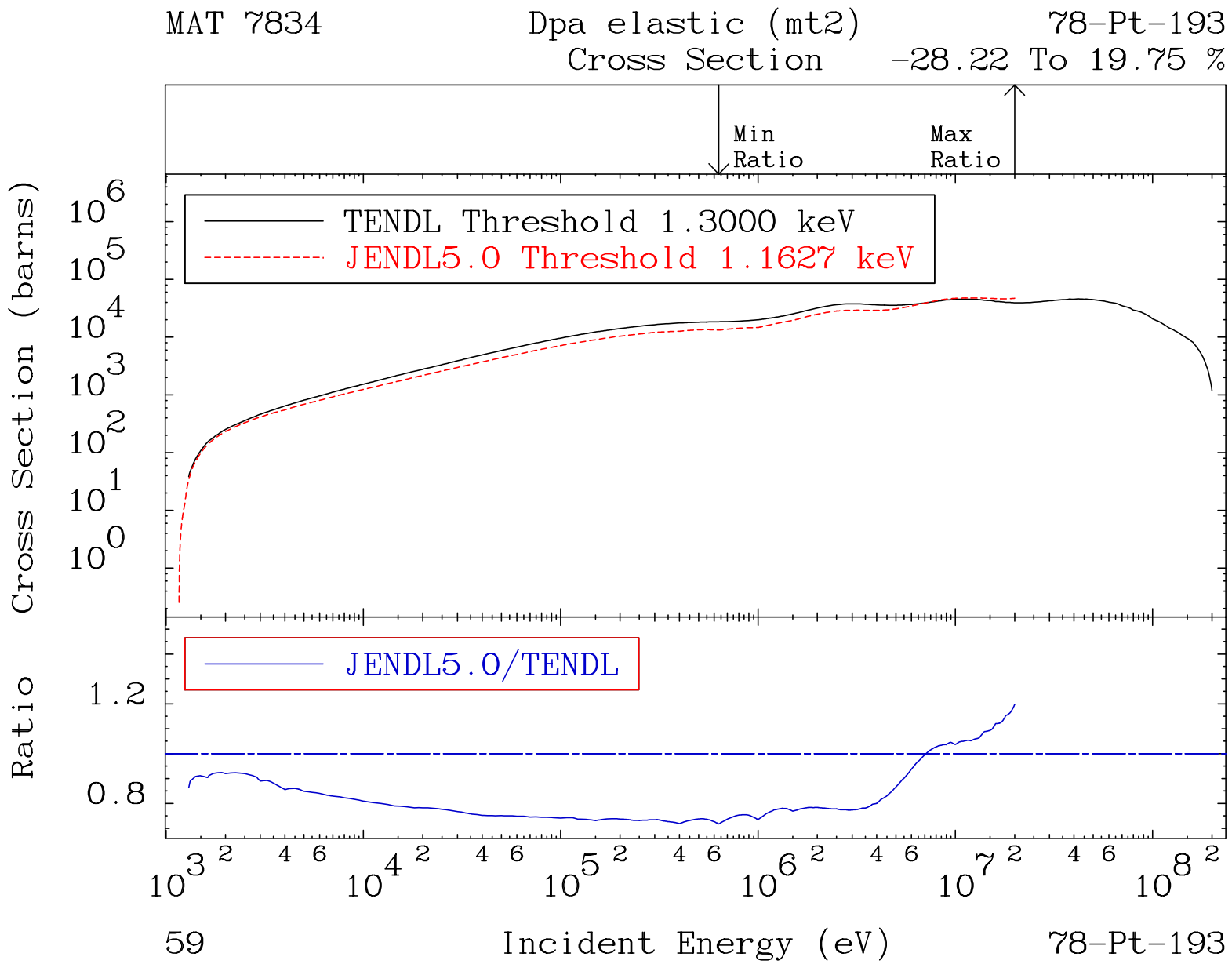

MAT 7834 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-193
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{4}
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
78-Pt-193

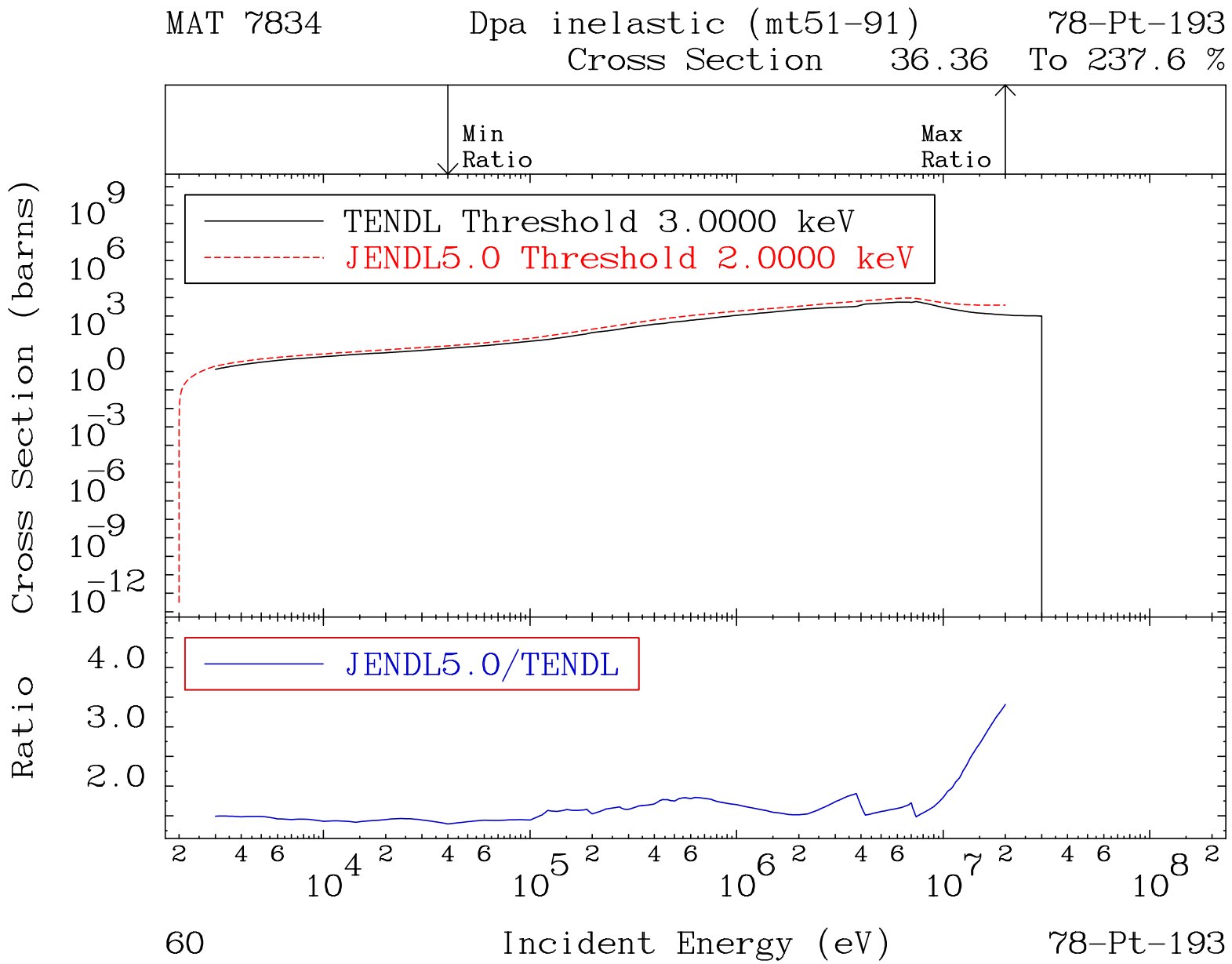

MAT 7834
Kerma capture (mt102)
78-Pt-193
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
55
78-Pt-193

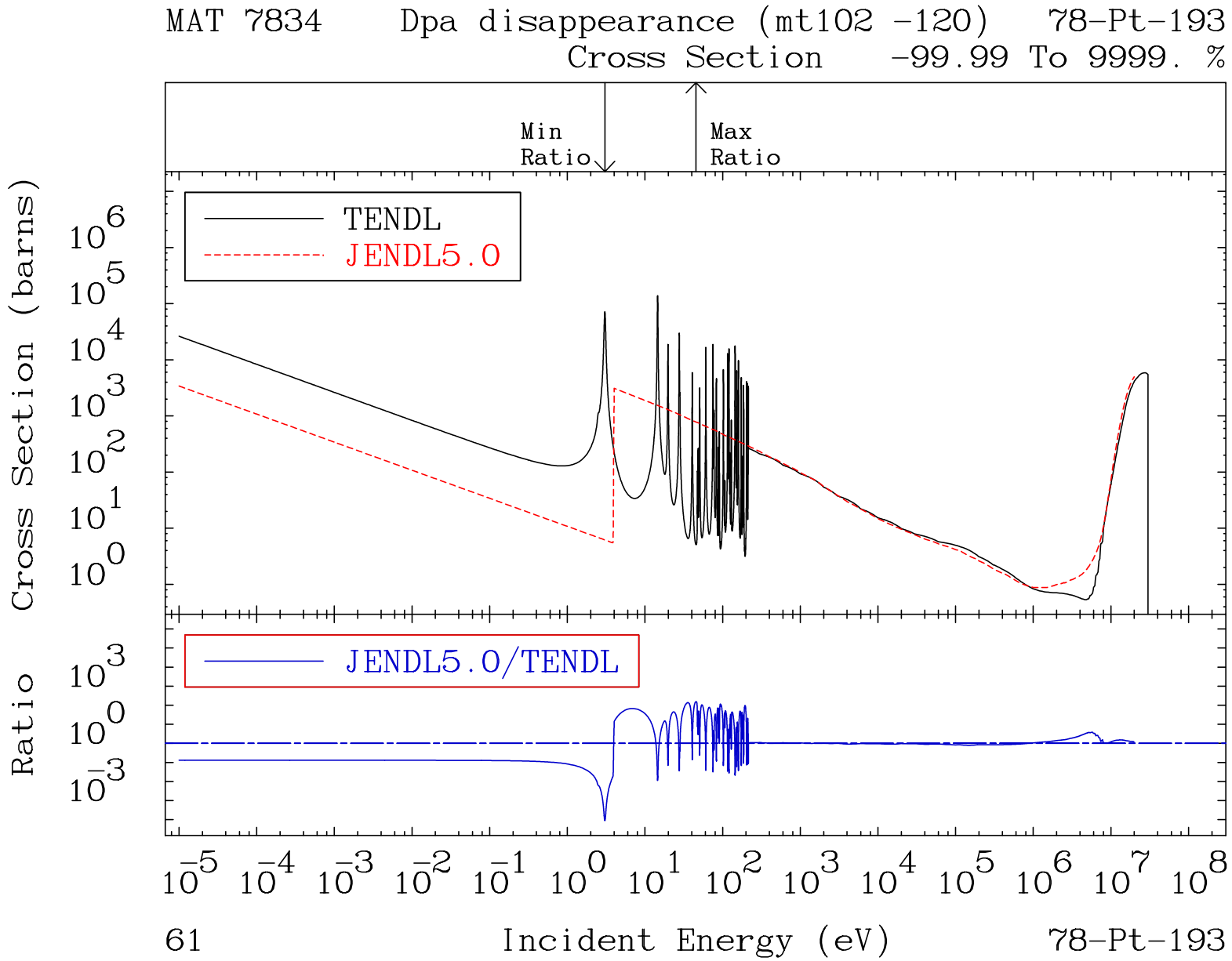

MAT 7834
Total photon (eV-barns)
78-Pt-193
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
78-Pt-193

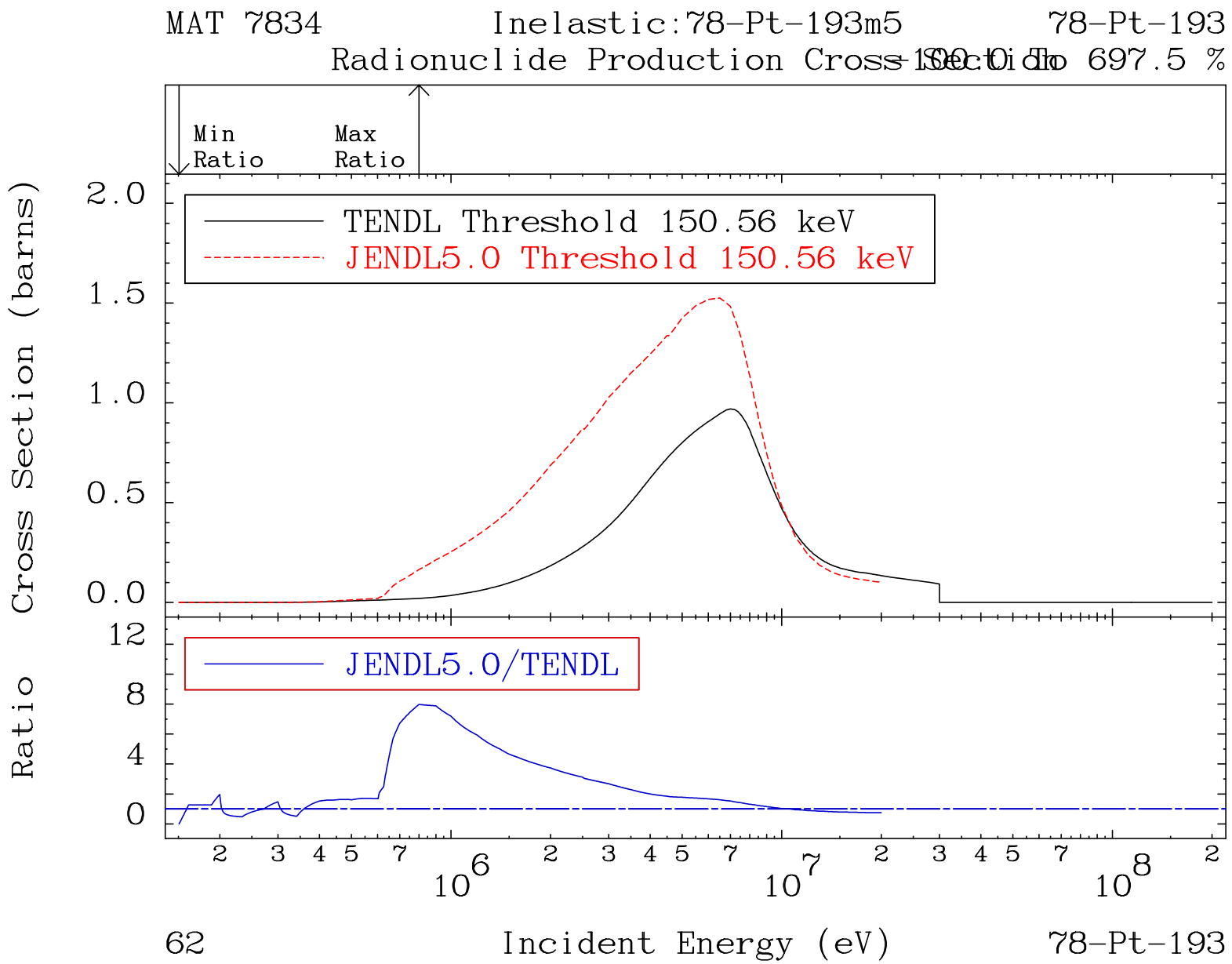

MAT 7834 Total kinematic kerma (high limit) 78-Pt-193
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
78-Pt-193

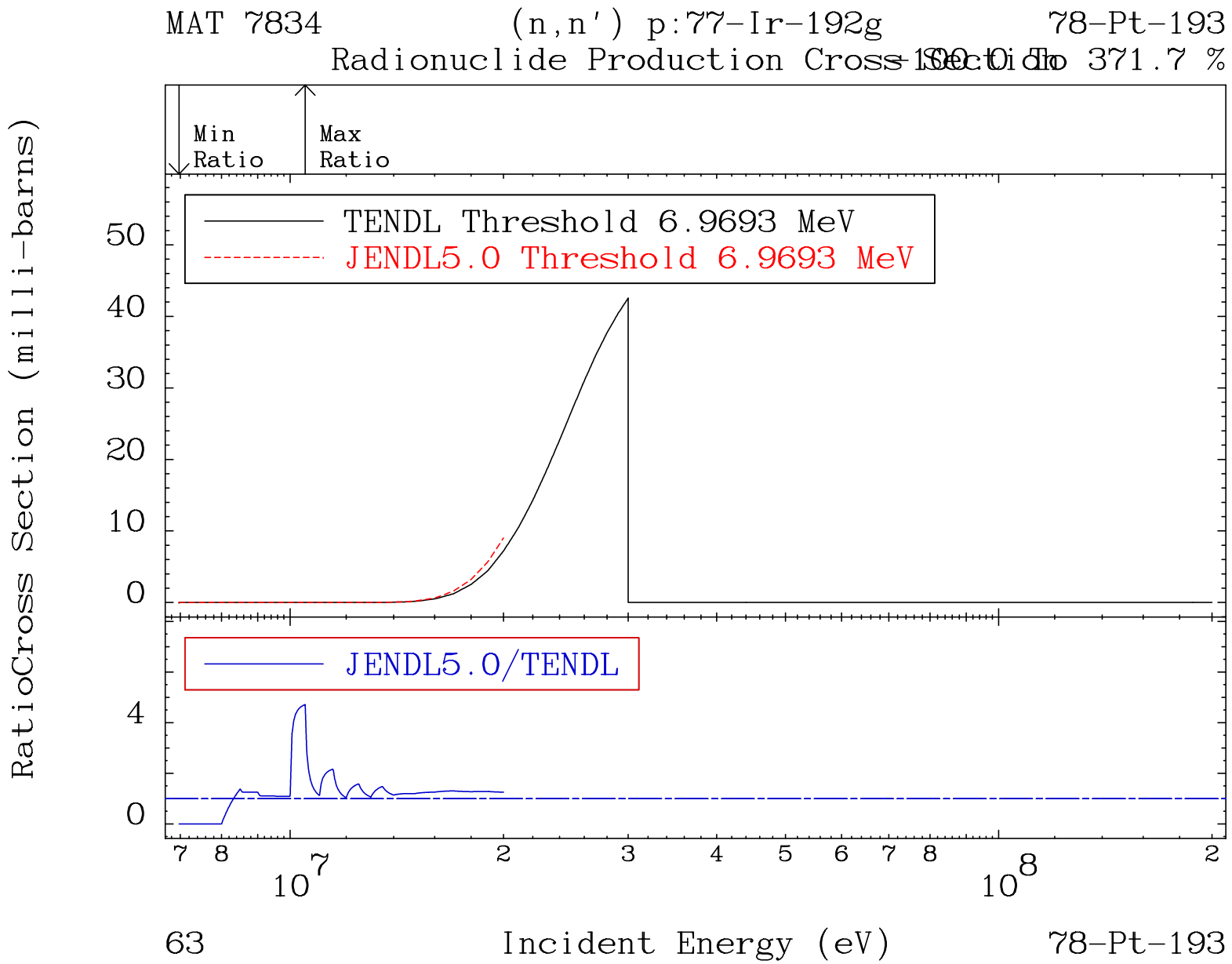

MAT 7834
Dpa total (eV-barns)
78-Pt-193
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
78-Pt-193

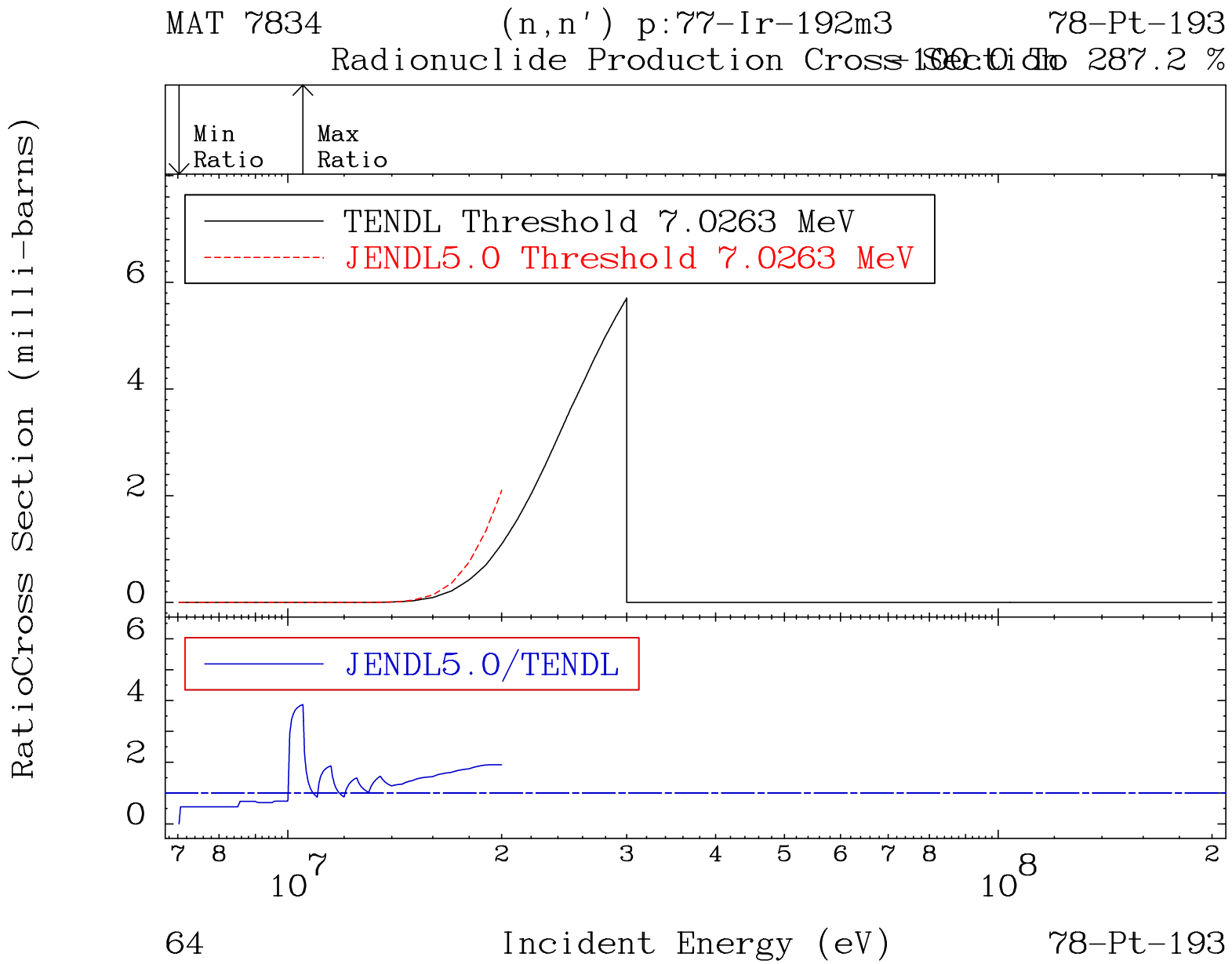

MAT 7834
Dpa elastic (mt2)
Cross Section
78-Pt-193
-28.22 To 19.75 %
Min Ratio
Max Ratio
TENDL Threshold 1.3000 keV
JENDL5.0 Threshold 1.1627 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
78-Pt-193

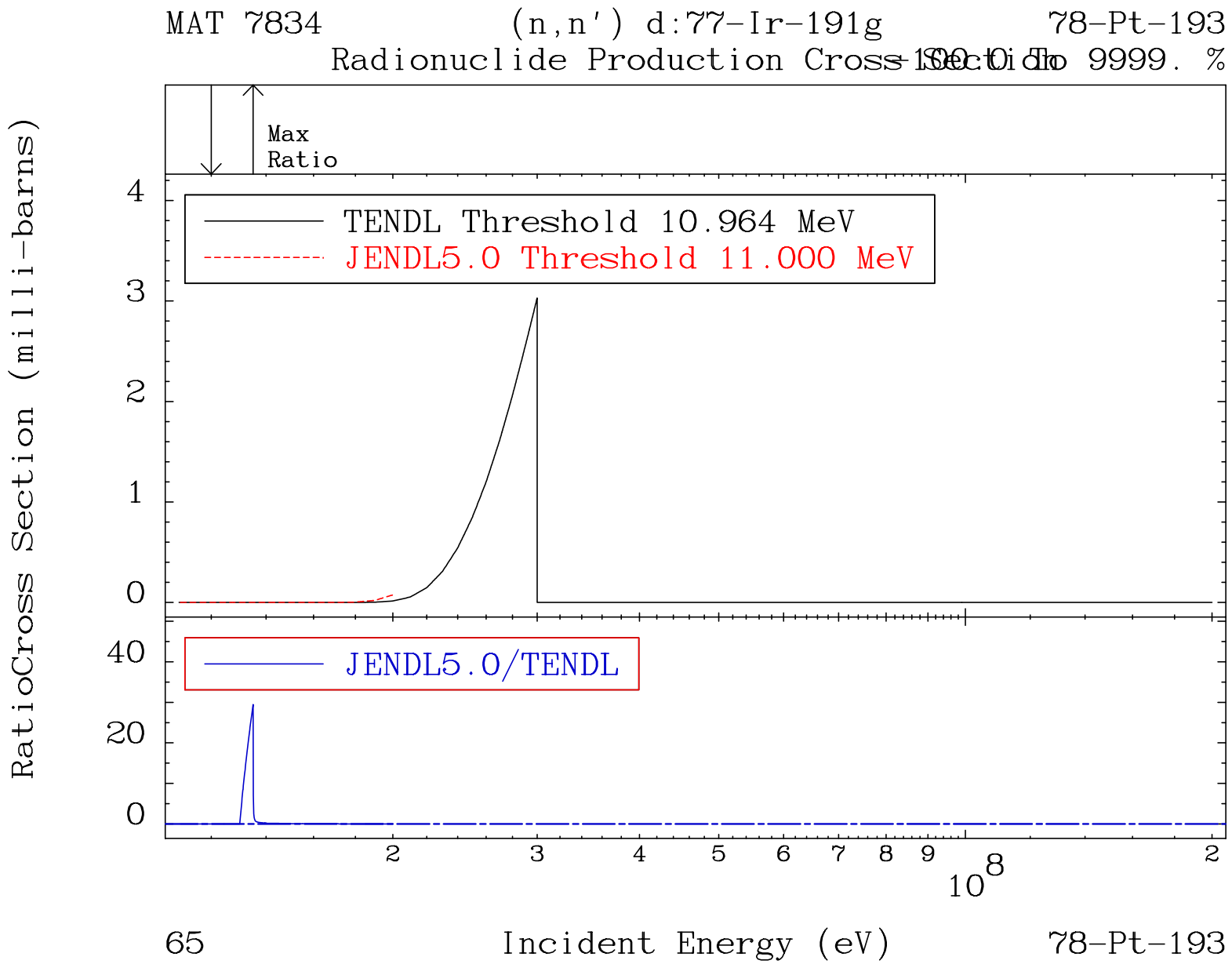

MAT 7834
Dpa inelastic (mt51-91)
78-Pt-193
Cross Section 36.36 To 237.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.0000 keV
JENDL5.0 Threshold 2.0000 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
78-Pt-193

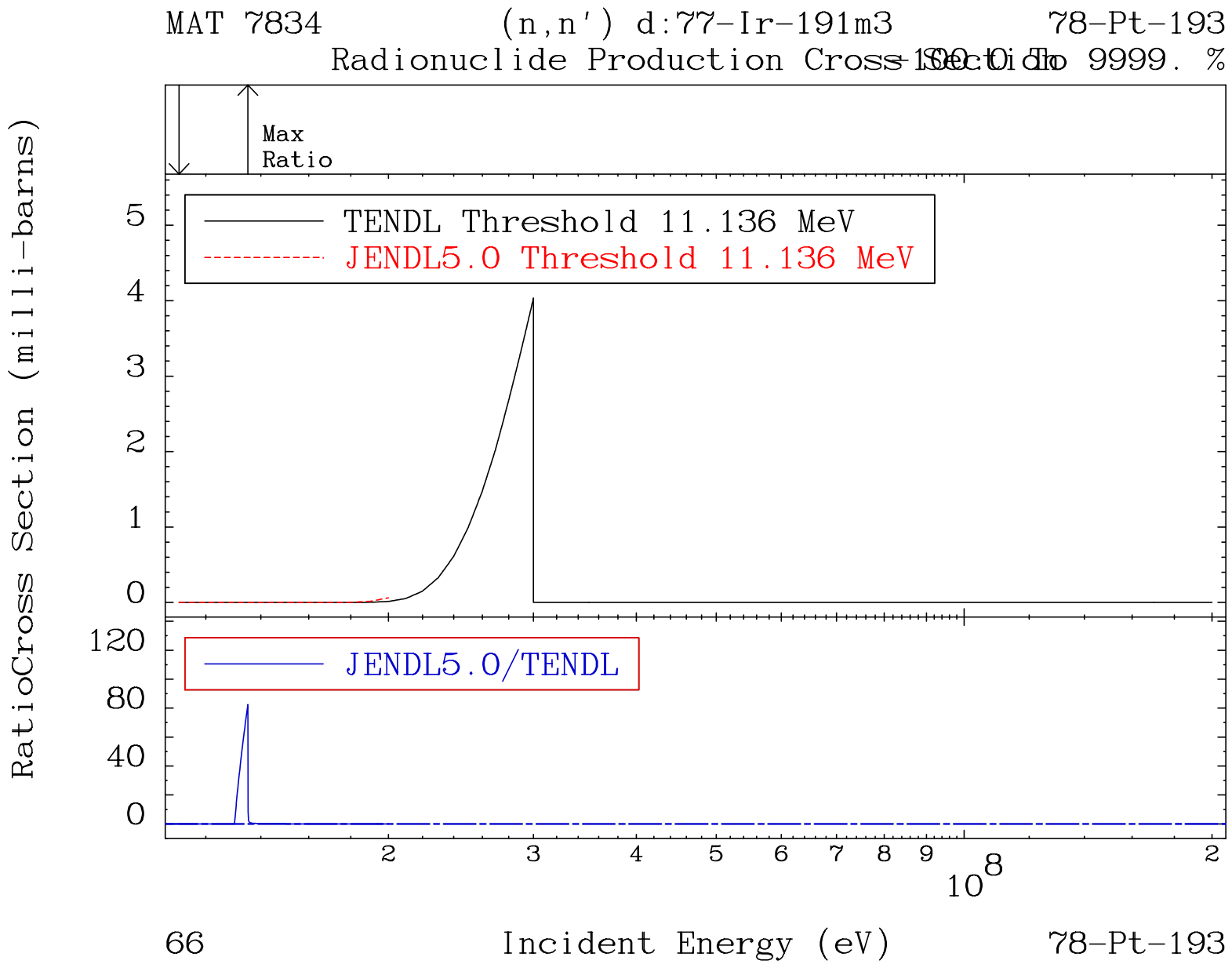

MAT 7834 Dpa disappearance (mt102 -120) 78-Pt-193
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
78-Pt-193

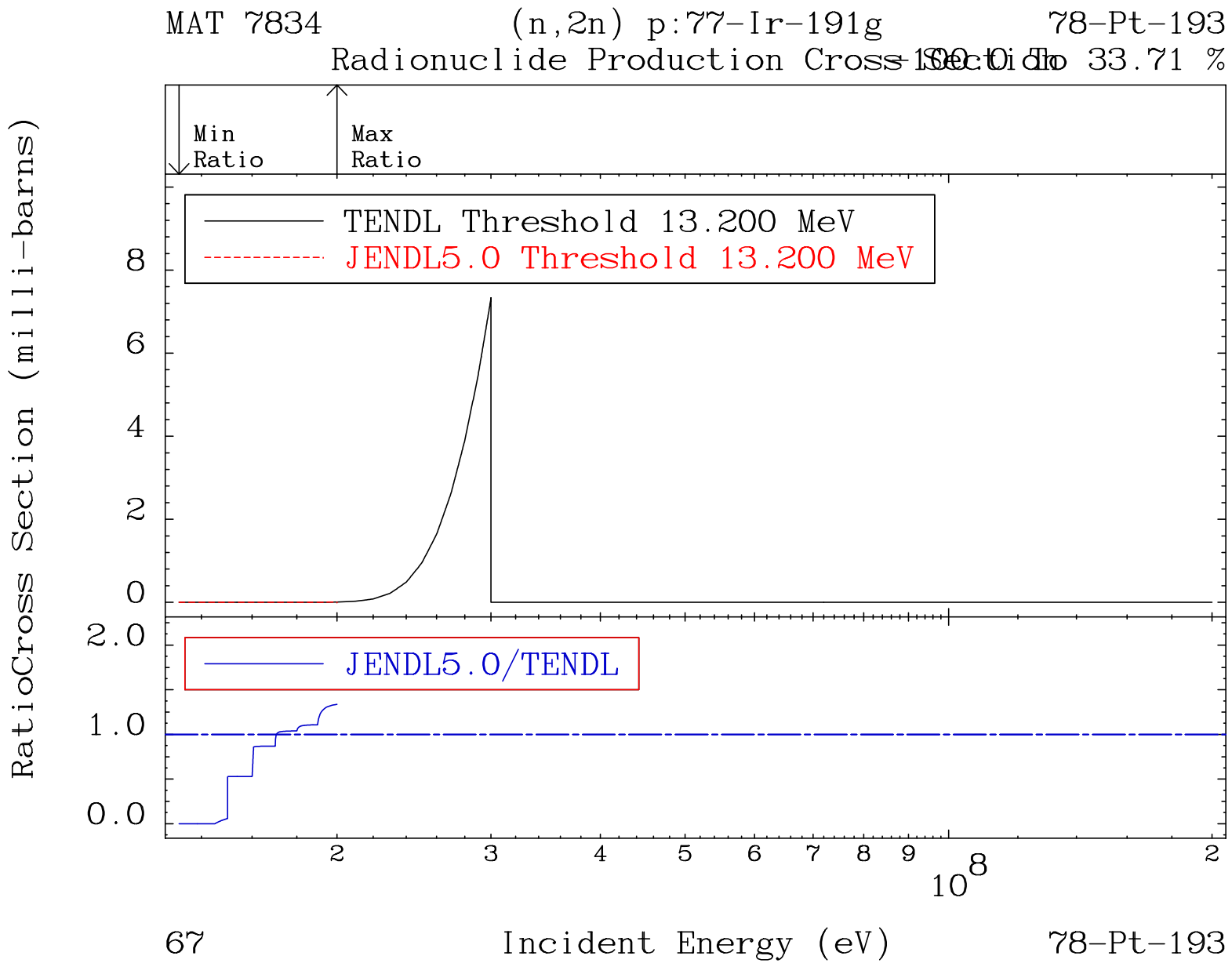

MAT 7834
Inelastic:78-Pt-193m5
78-Pt-193
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 150.56 keV
JENDL5.0 Threshold 150.56 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
78-Pt-193

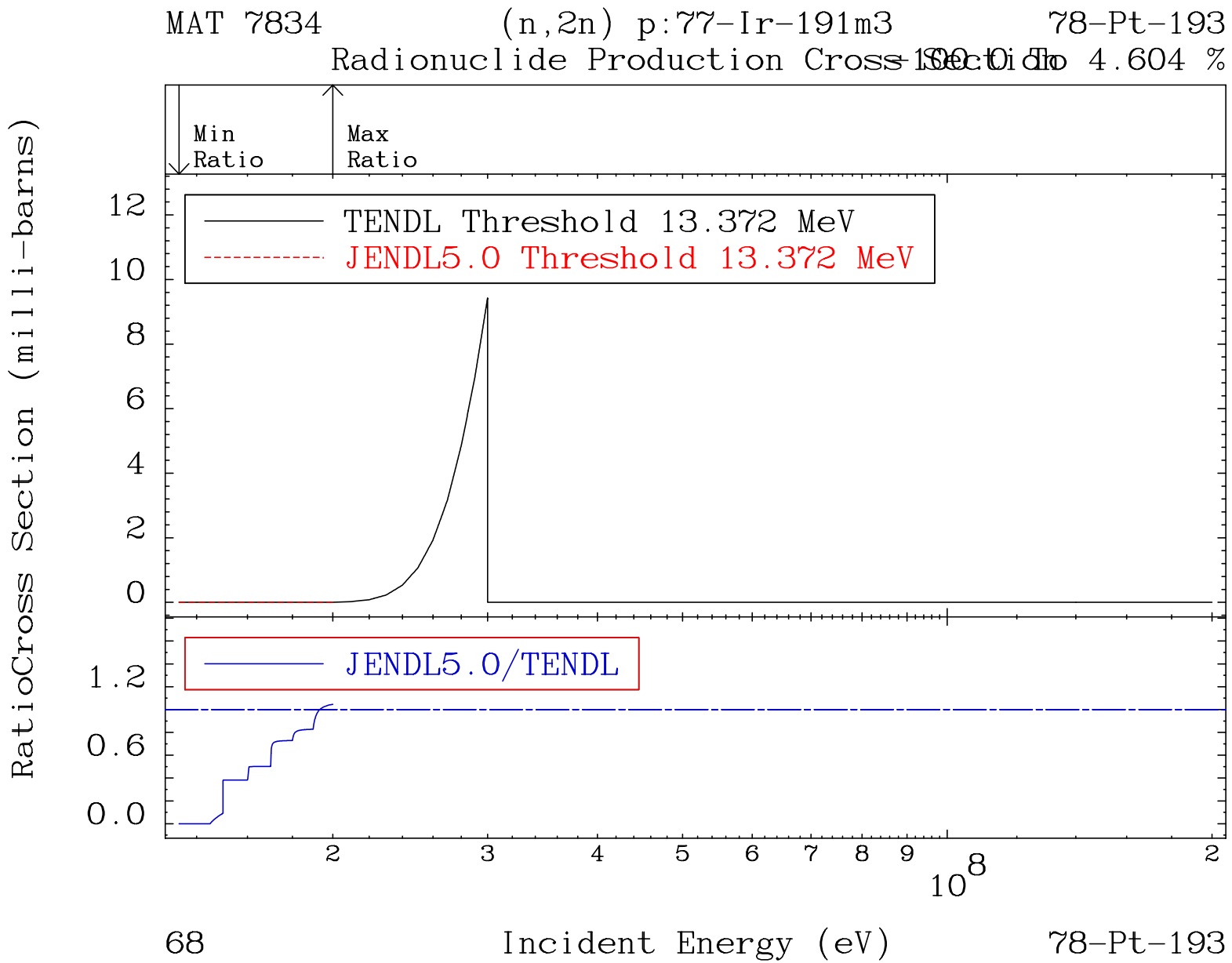

MAT 7834
(n,n') p:77-Ir-192g
78-Pt-193
Radionuclide Production Cross Section To 371.7 %
Min Ratio
Max Ratio
TENDL Threshold 6.9693 MeV
JENDL5.0 Threshold 6.9693 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
63
Incident Energy (eV)
78-Pt-193

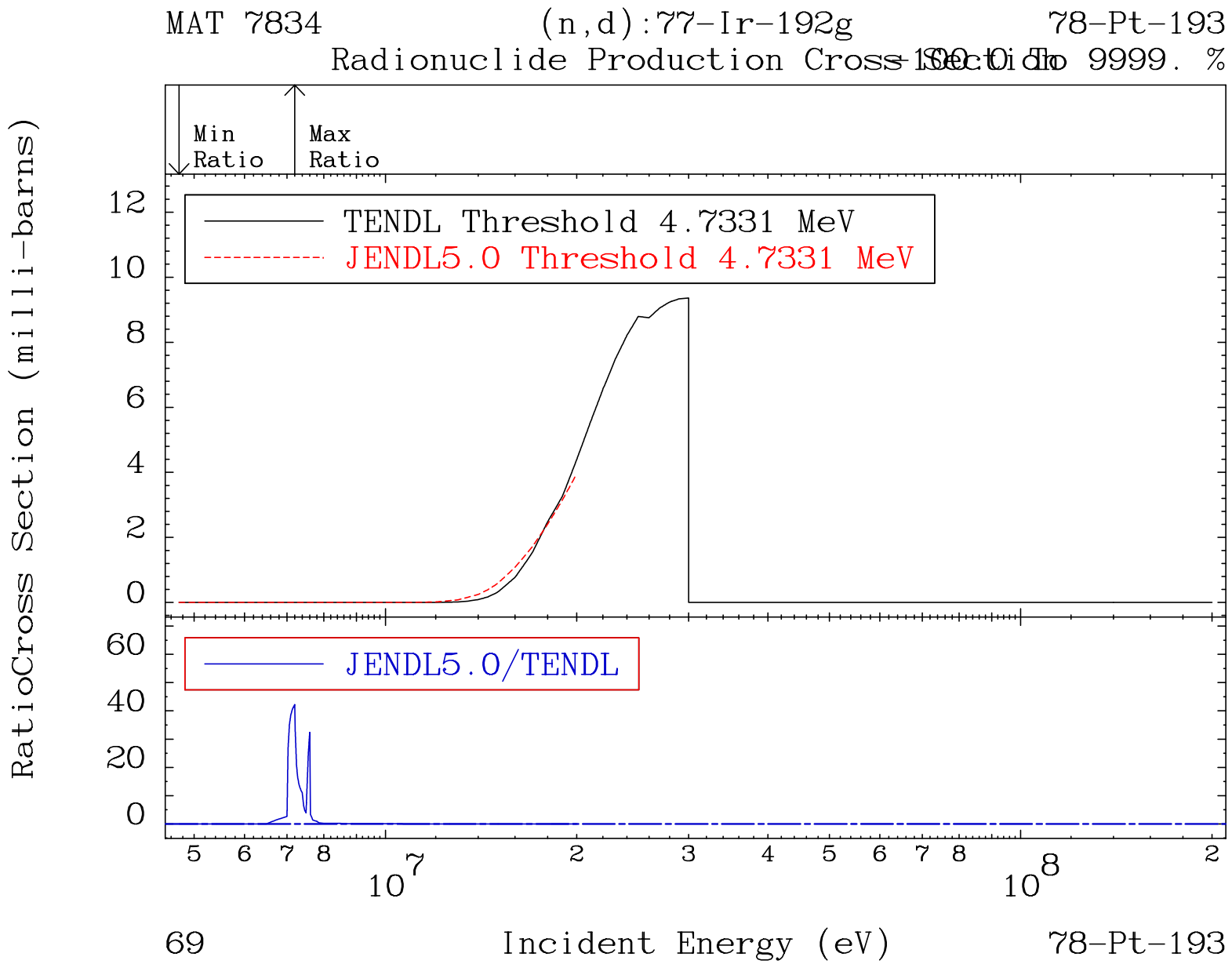

MAT 7834
(n,n') p:77-Ir-192m3
78-Pt-193
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.0263 MeV
JENDL5.0 Threshold 7.0263 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
78-Pt-193

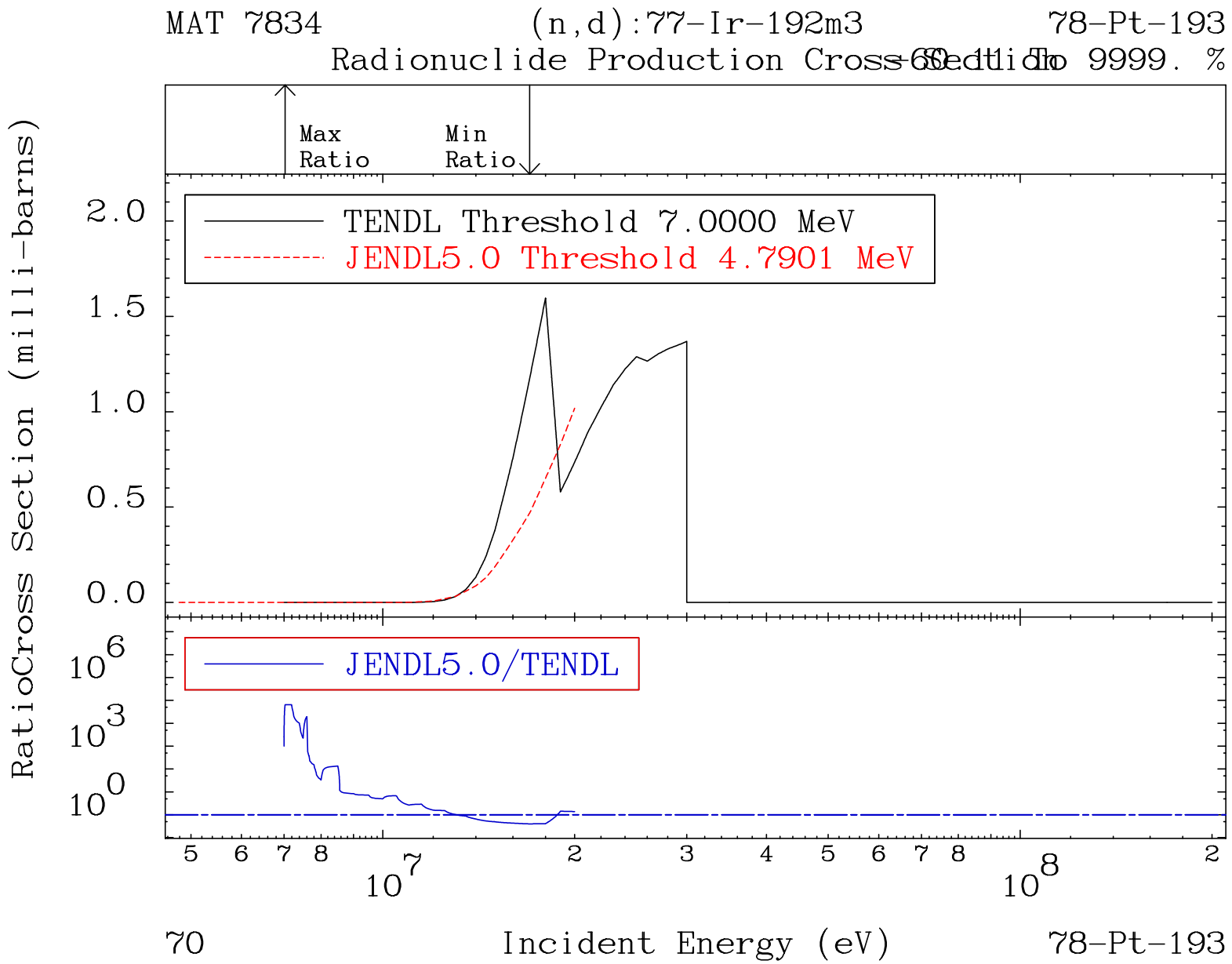

MAT 7834
(n,n') d:77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 10.964 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
78-Pt-193

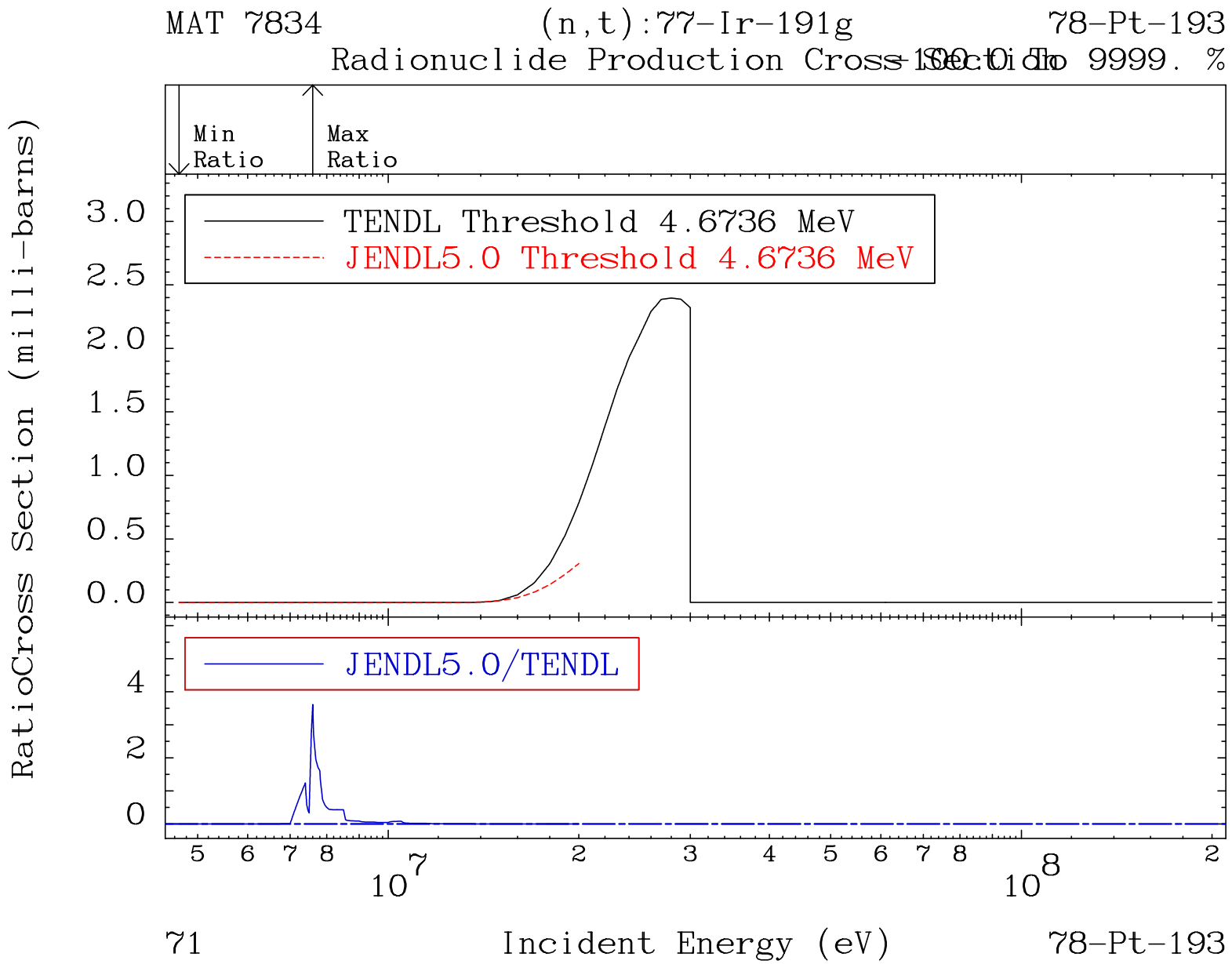

MAT 7834
(n,n') d:77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 11.136 MeV
JENDL5.0 Threshold 11.136 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
5
4
3
2
1
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
78-Pt-193

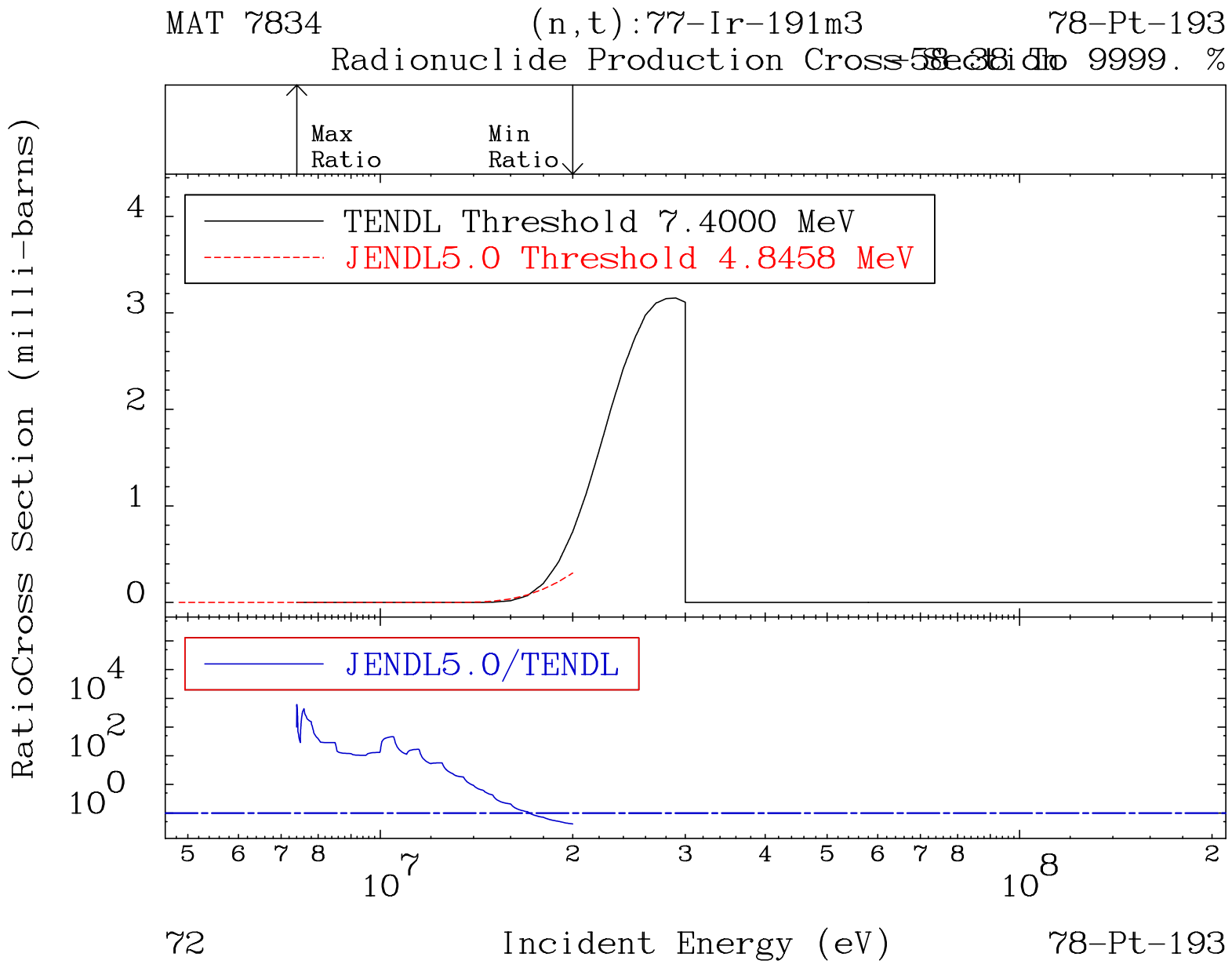

MAT 7834
(n,2n) p:77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 13.200 MeV
JENDL5.0 Threshold 13.200 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
78-Pt-193

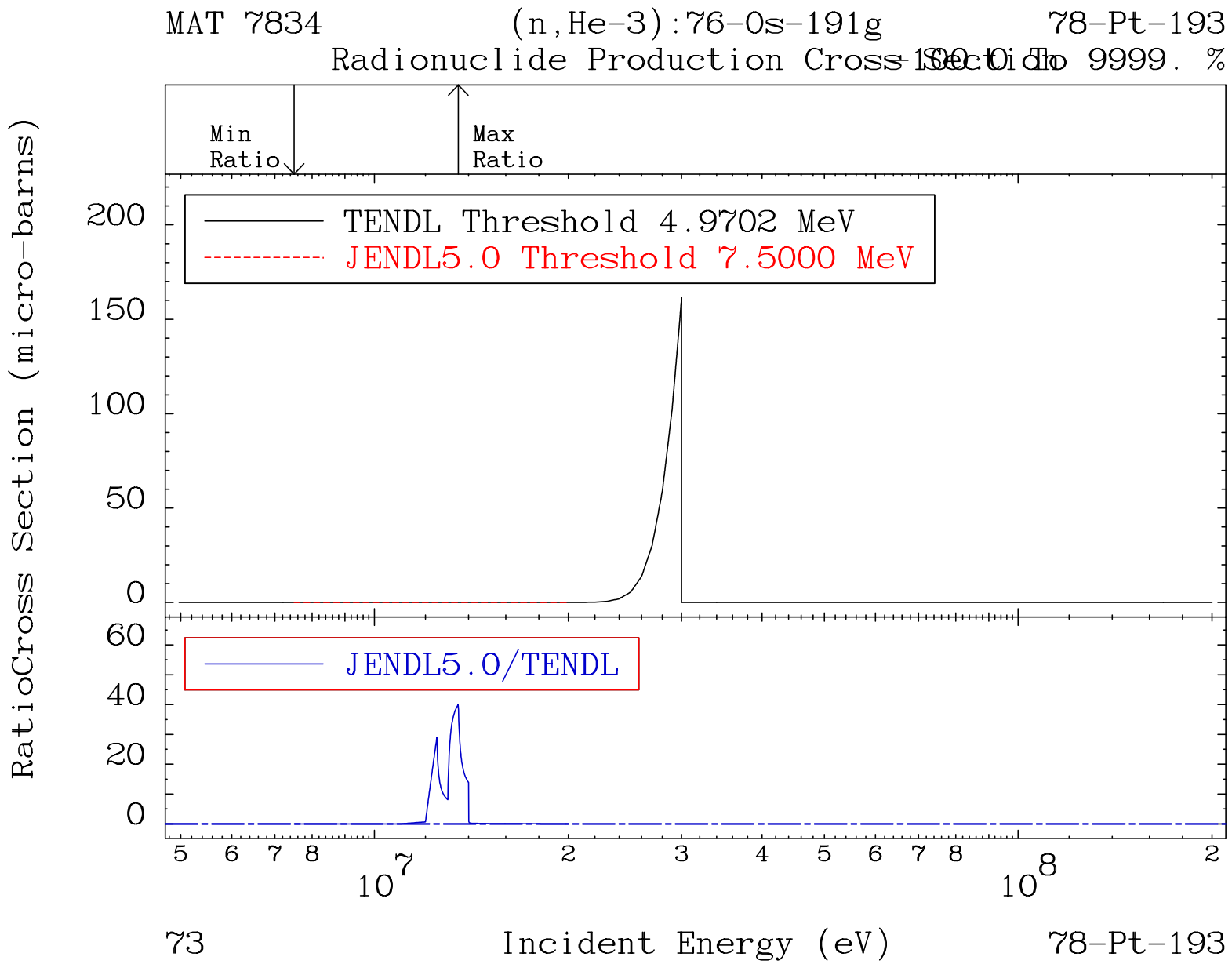

MAT 7834
(n,2n) p:77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section To 4.604 %
Min Ratio
Max Ratio
TENDL Threshold 13.372 MeV
JENDL5.0 Threshold 13.372 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
78-Pt-193

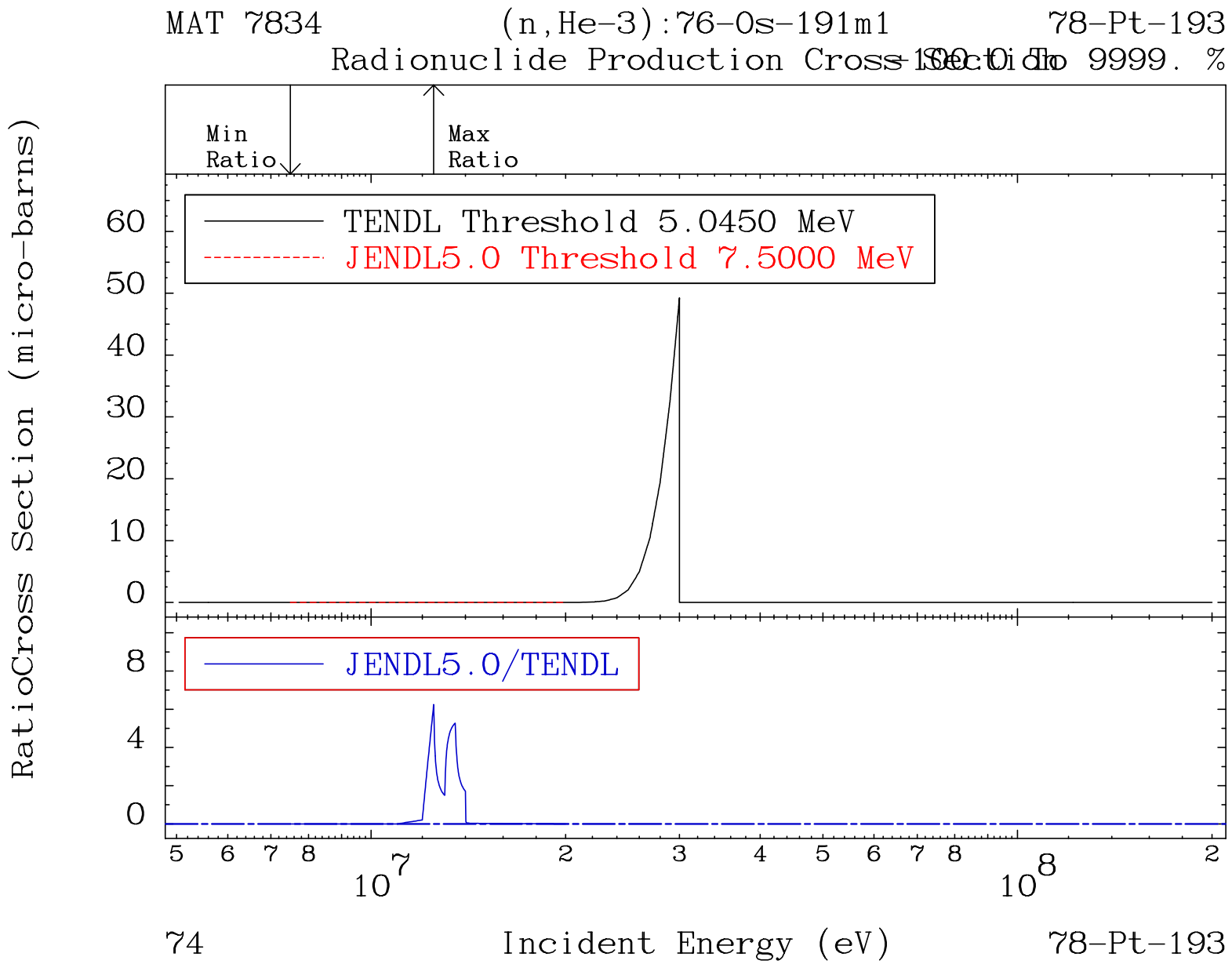

MAT 7834
(n,d):77-Ir-192g
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7331 MeV
JENDL5.0 Threshold 4.7331 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
78-Pt-193


MAT 7834
(n,d):77-Ir-192m3
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.0000 MeV
JENDL5.0 Threshold 4.7901 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
10^6
10^3
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
70
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,t):77-Ir-191g
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6736 MeV
JENDL5.0 Threshold 4.6736 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
71
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,t):77-Ir-191m3
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.4000 MeV
JENDL5.0 Threshold 4.8458 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
72
78-Pt-193


MAT 7834
(n,He-3):76-Os-191g
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.9702 MeV
JENDL5.0 Threshold 7.5000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
60
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
73
Incident Energy (eV)
78-Pt-193


MAT 7834
(n,He-3):76-Os-191m1
78-Pt-193
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.0450 MeV
JENDL5.0 Threshold 7.5000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
8
4
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
74
Incident Energy (eV)
78-Pt-193