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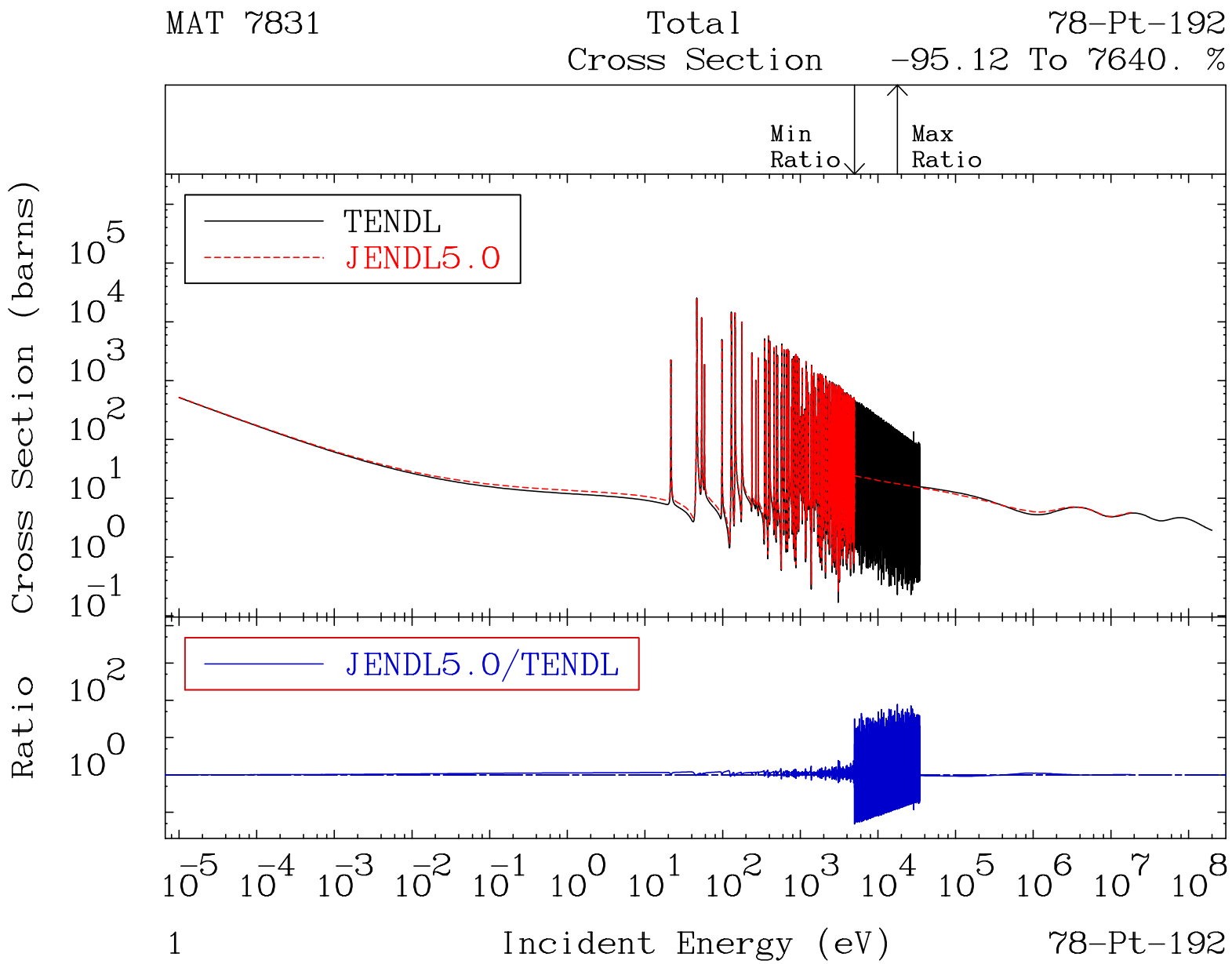
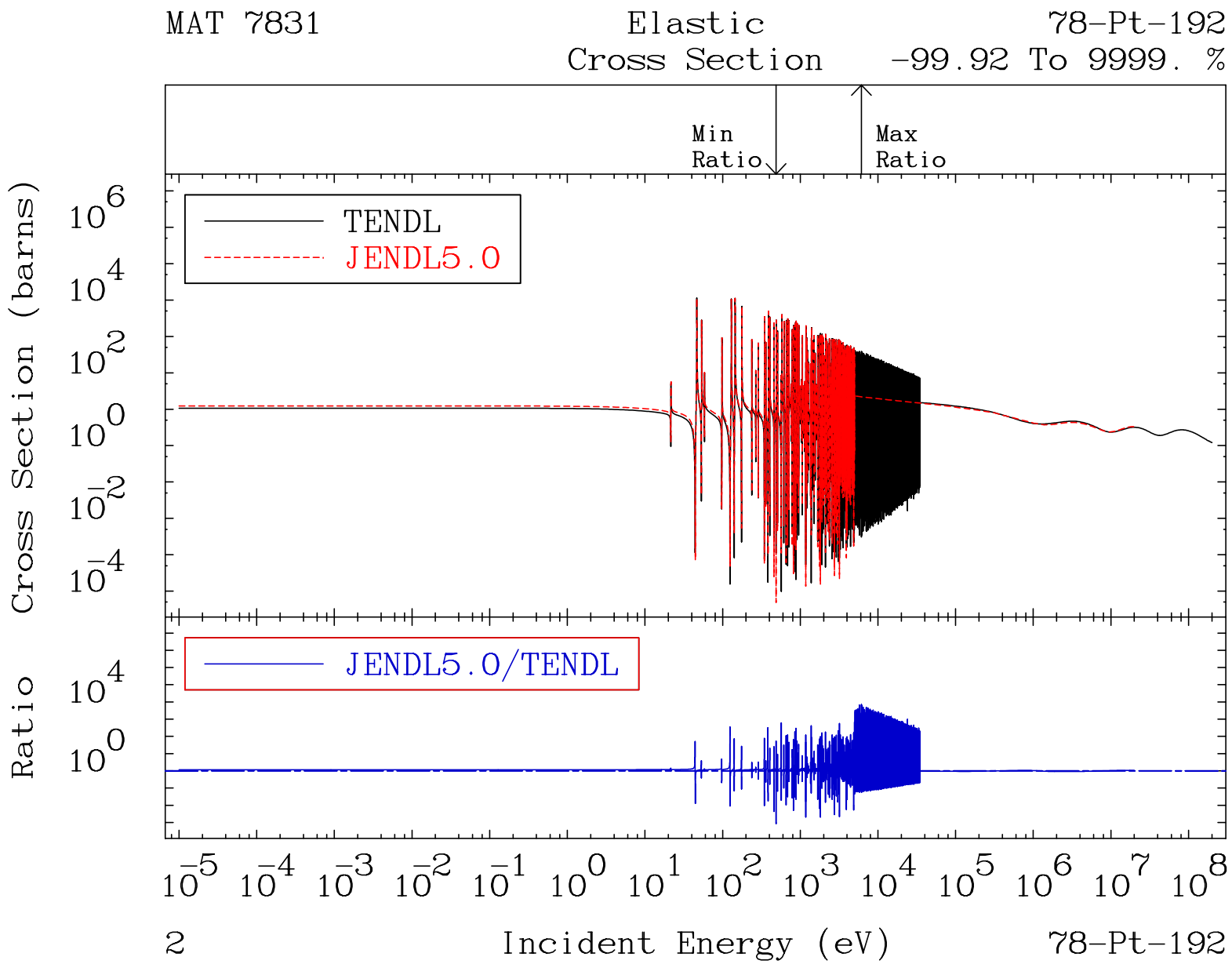
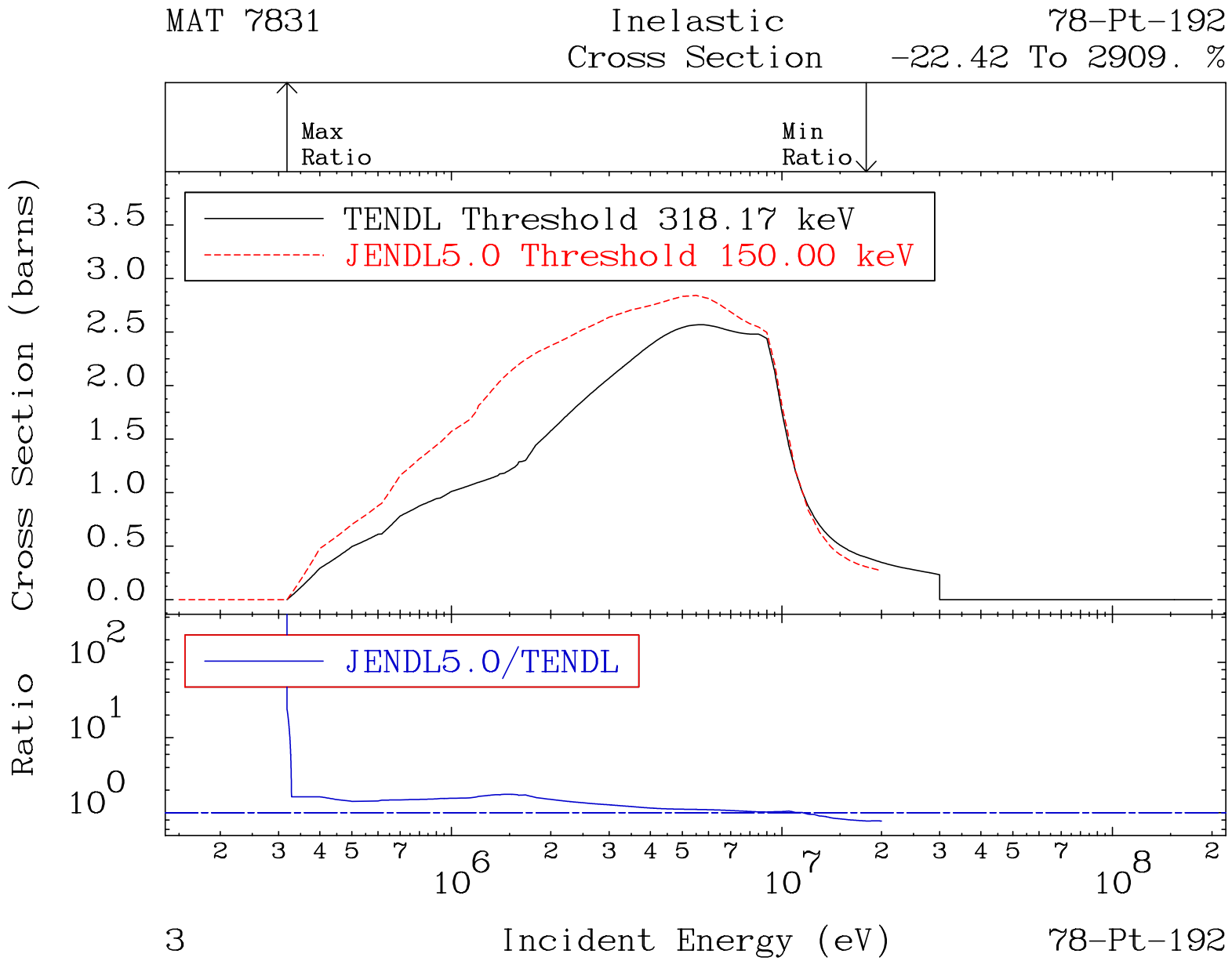
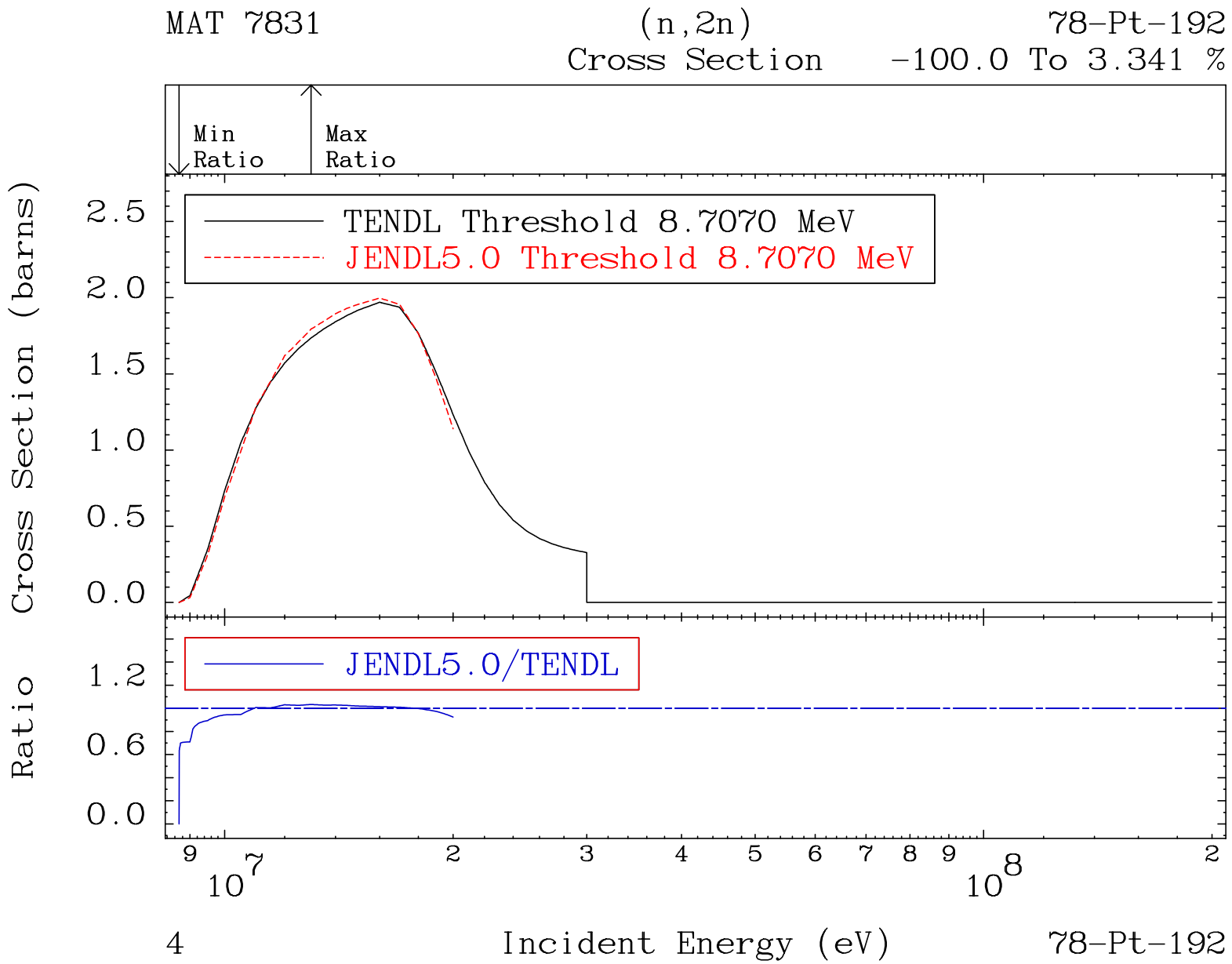
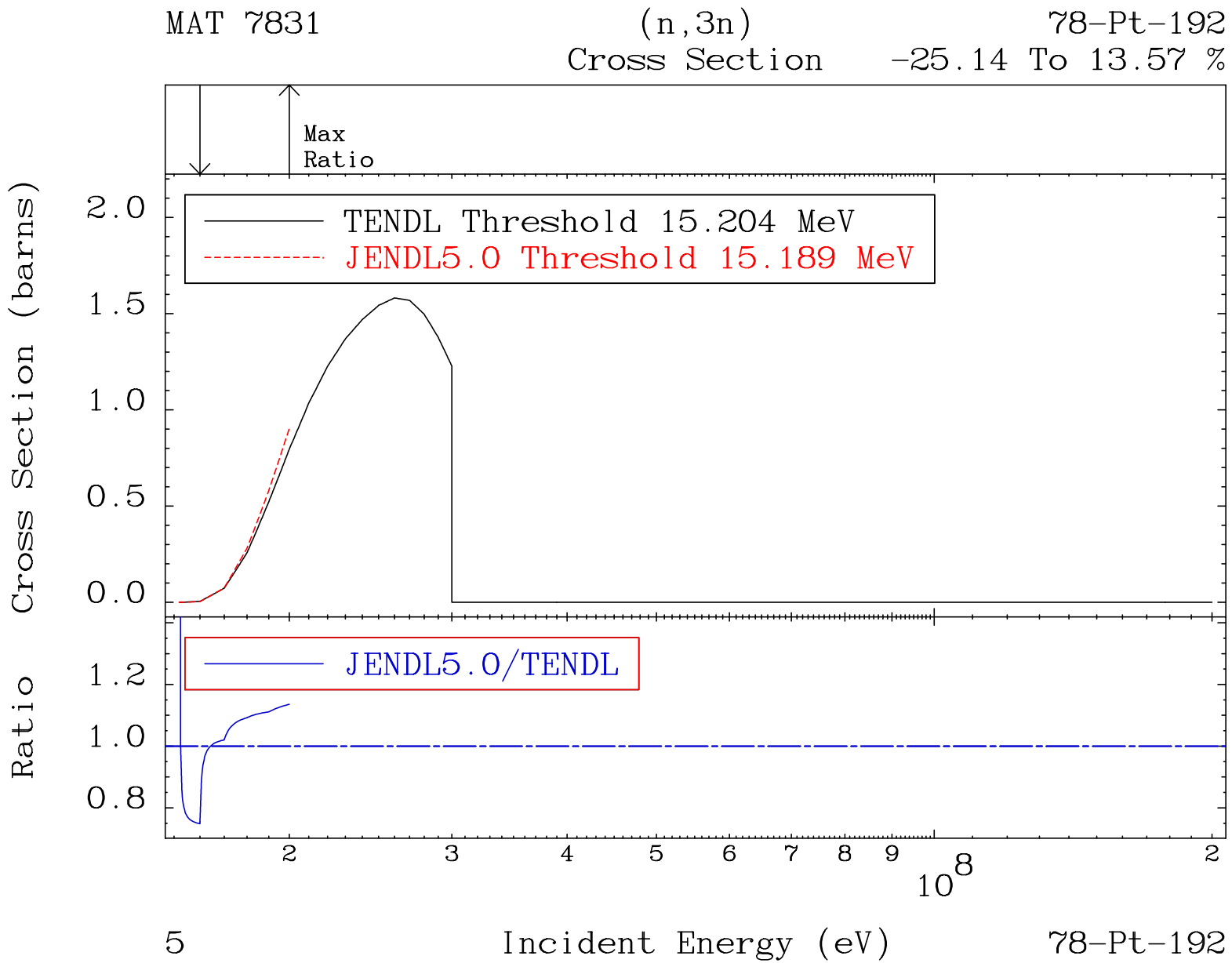
Press Mouse Button to Start

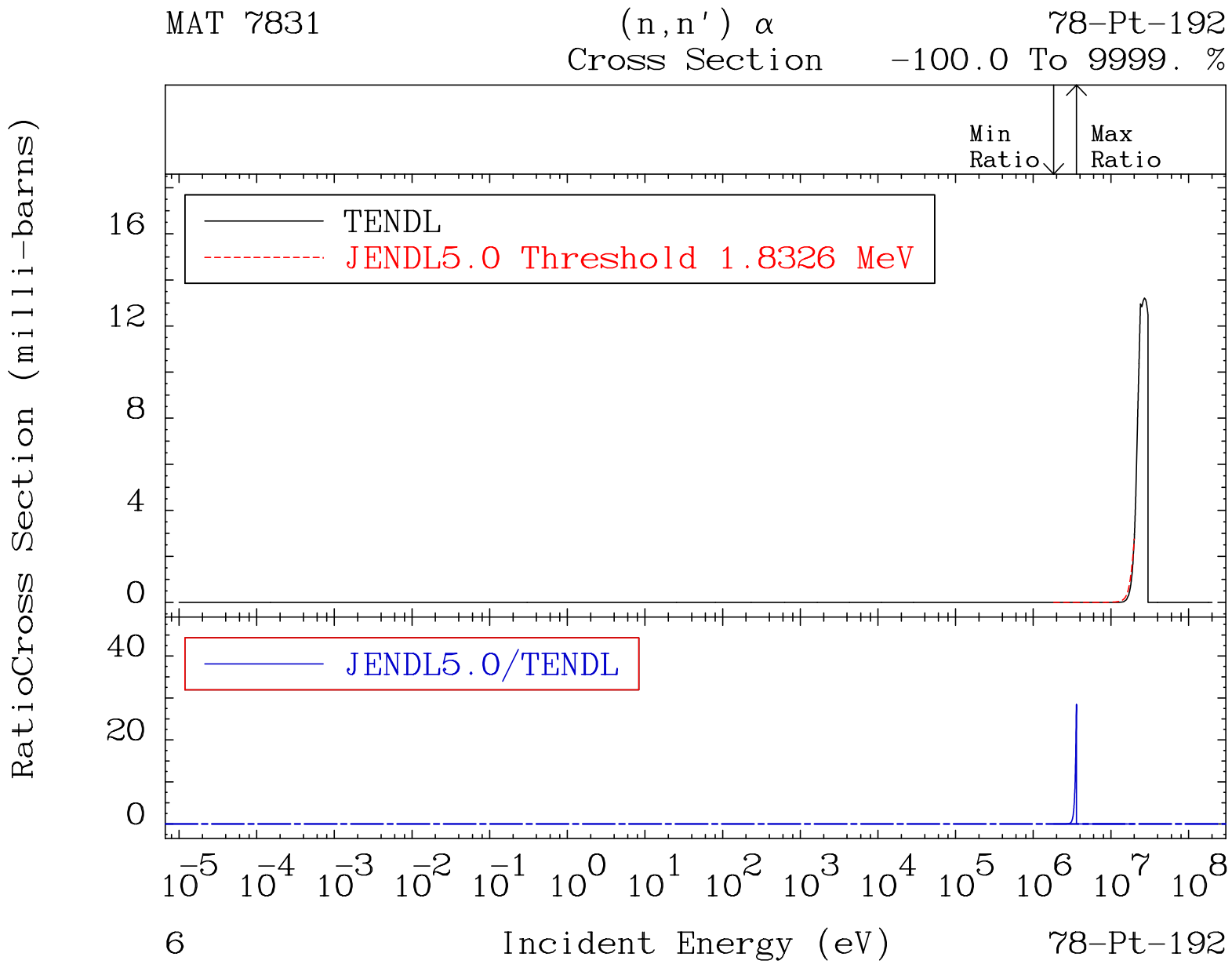

MAT 7831
Total
Cross Section
78-Pt-192
-95.12 To 7640. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
78-Pt-192

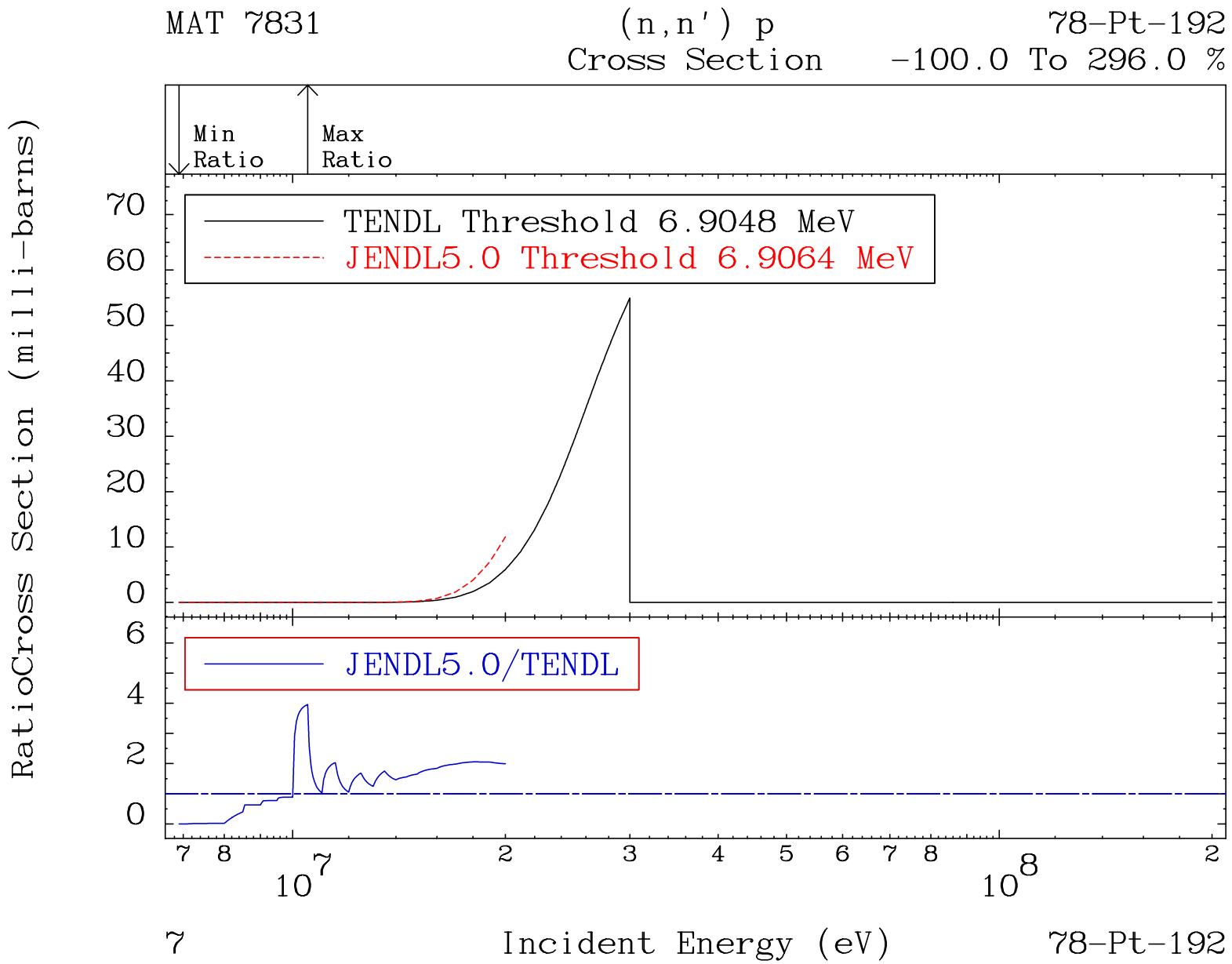

MAT 7831
Elastic
Cross Section
78-Pt-192
-99.92 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
78-Pt-192

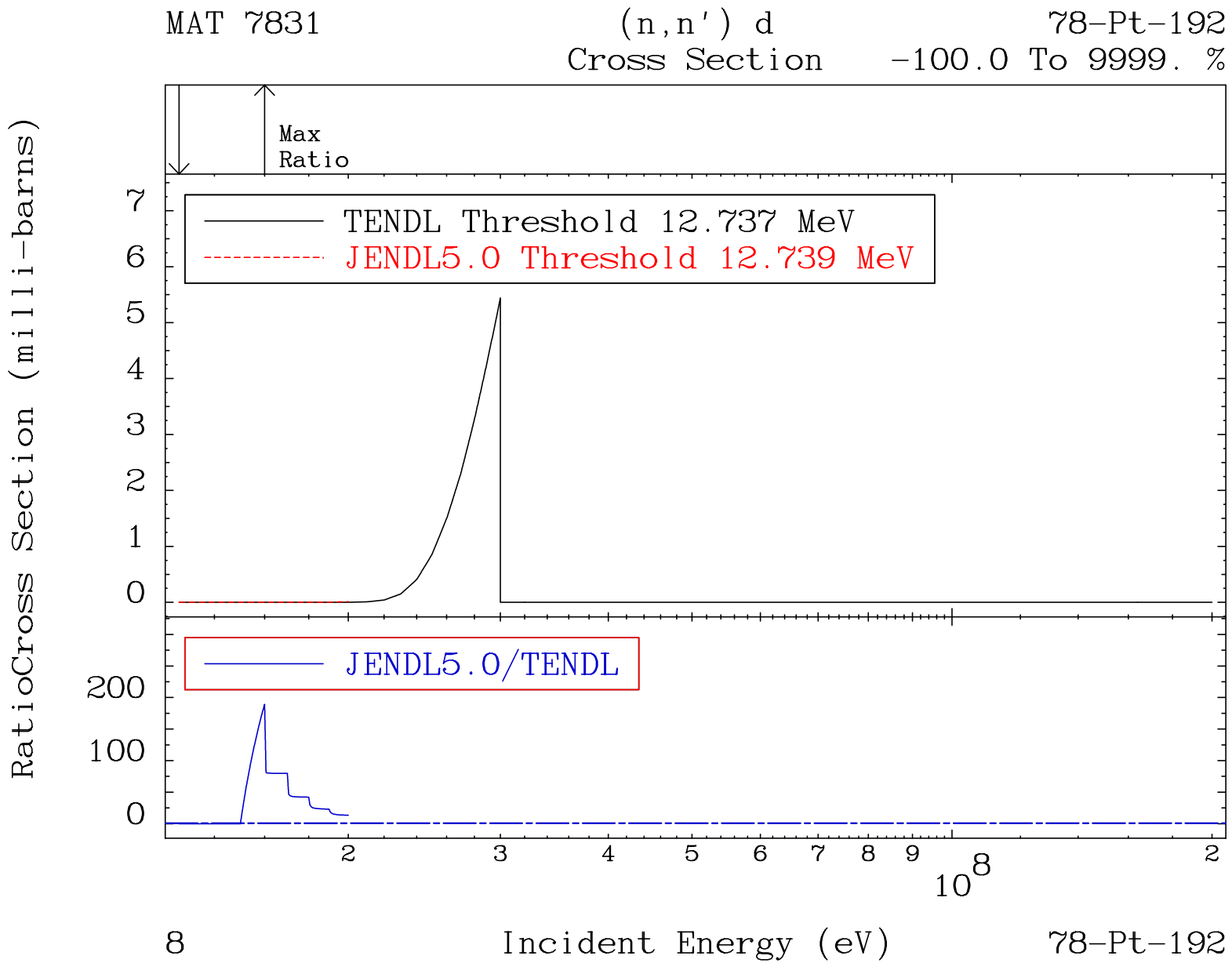

MAT 7831
Inelastic
Cross Section
78-Pt-192
-22.42 To 2909. %
Max
Ratio
Min
Ratio
TENDL Threshold 318.17 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
78-Pt-192

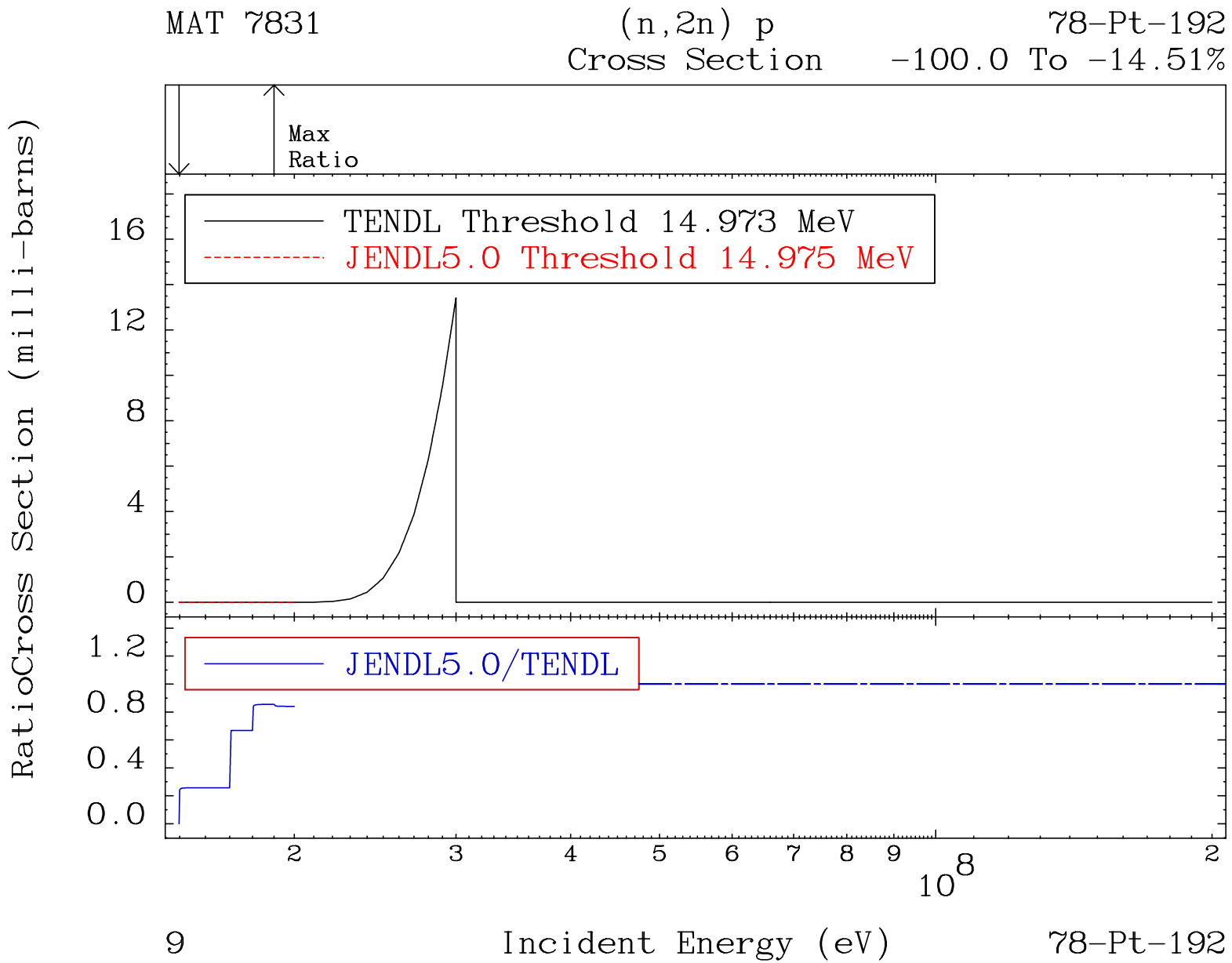

MAT 7831
(n,2n)
Cross Section
78-Pt-192
-100.0 To 3.341 %
Min Ratio
Max Ratio
TENDL Threshold 8.7070 MeV
JENDL5.0 Threshold 8.7070 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-192

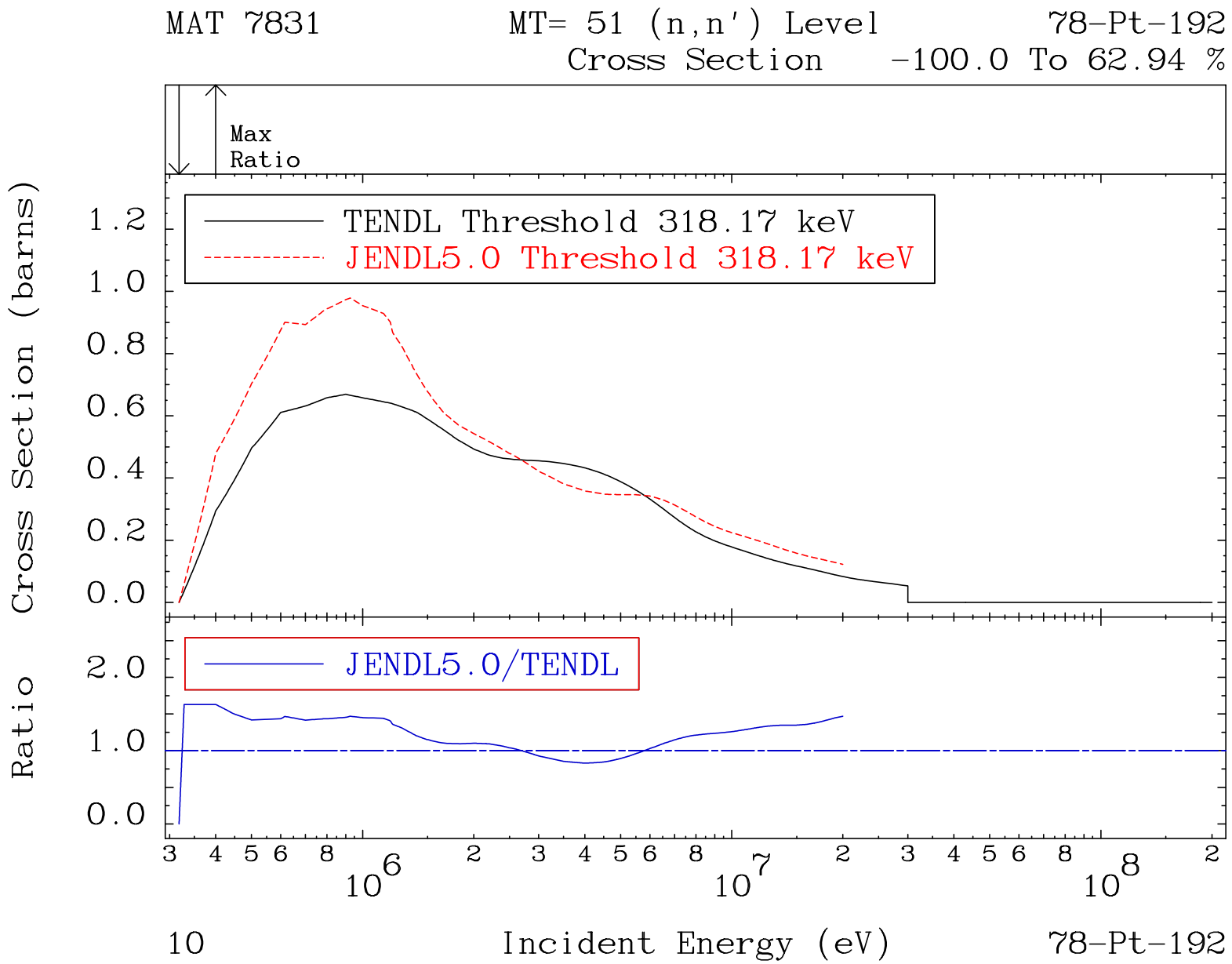

MAT 7831
(n,3n)
Cross Section
78-Pt-192
-25.14 To 13.57 %
Max
Ratio
TENDL Threshold 15.204 MeV
JENDL5.0 Threshold 15.189 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
5
78-Pt-192

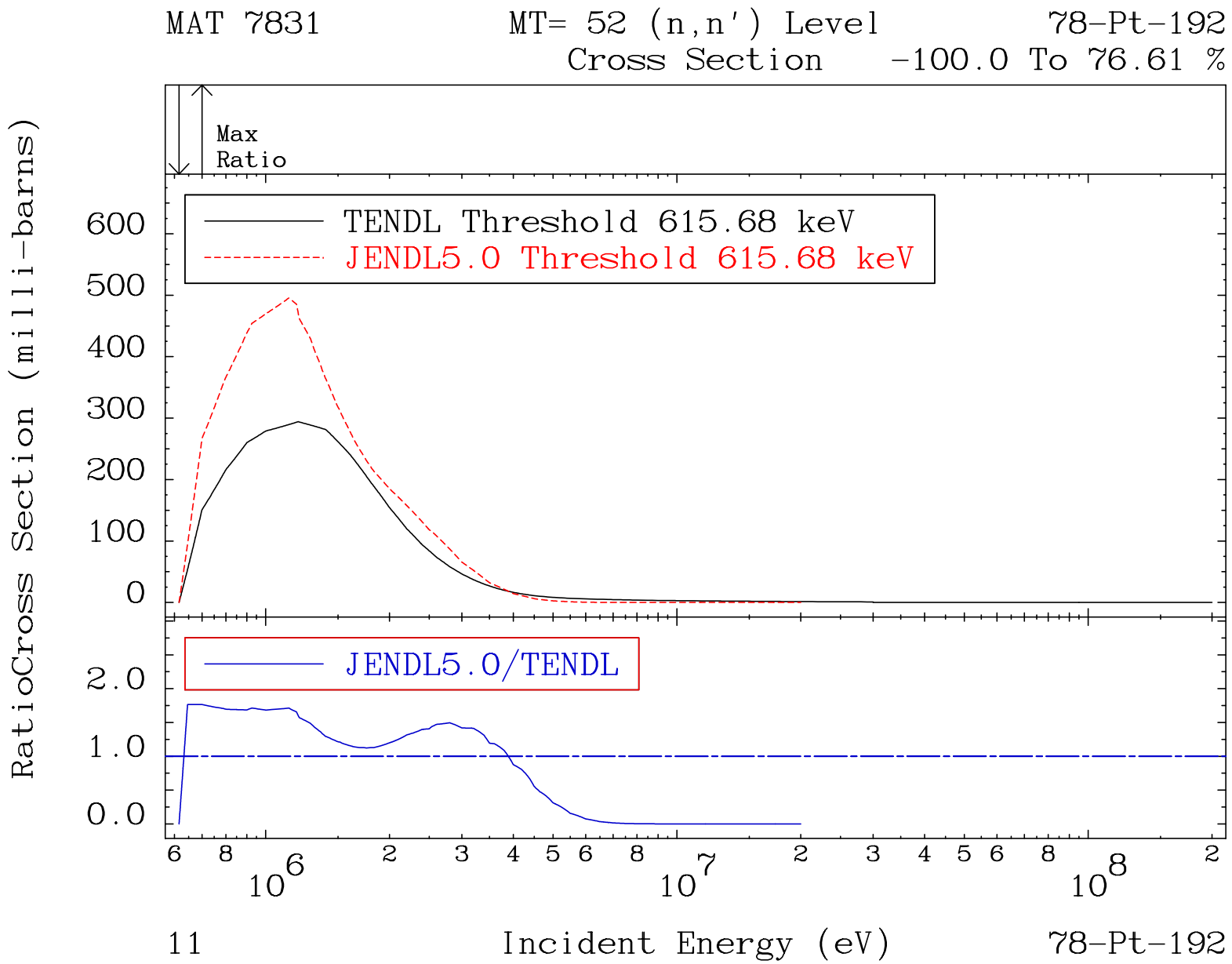

MAT 7831
(n,n') α
Cross Section
78-Pt-192
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.8326 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
6
78-Pt-192

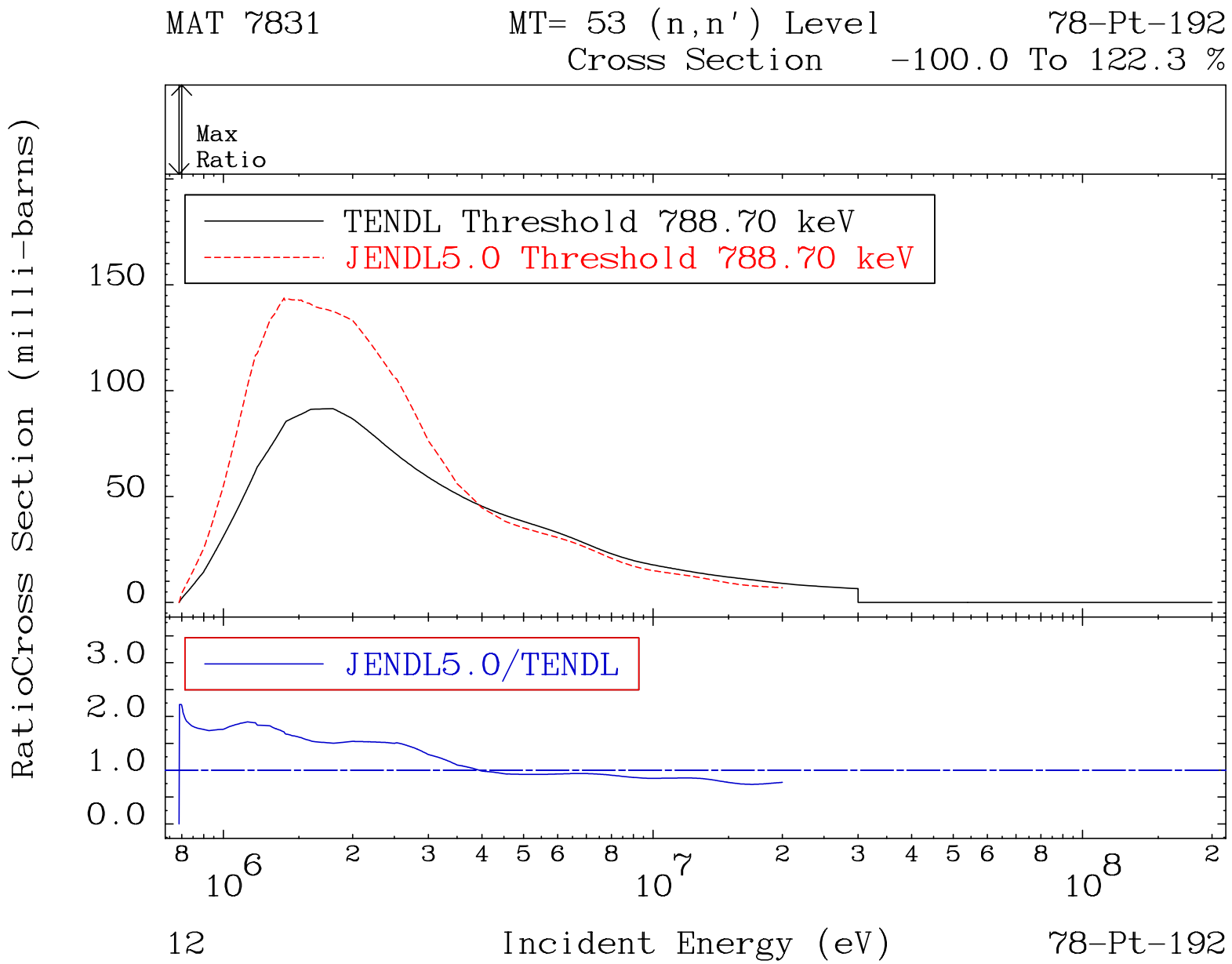

MAT 7831
(n,n') p
Cross Section
78-Pt-192
-100.0 To 296.0 %
Min Ratio
Max Ratio
TENDL Threshold 6.9048 MeV
JENDL5.0 Threshold 6.9064 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78-Pt-192

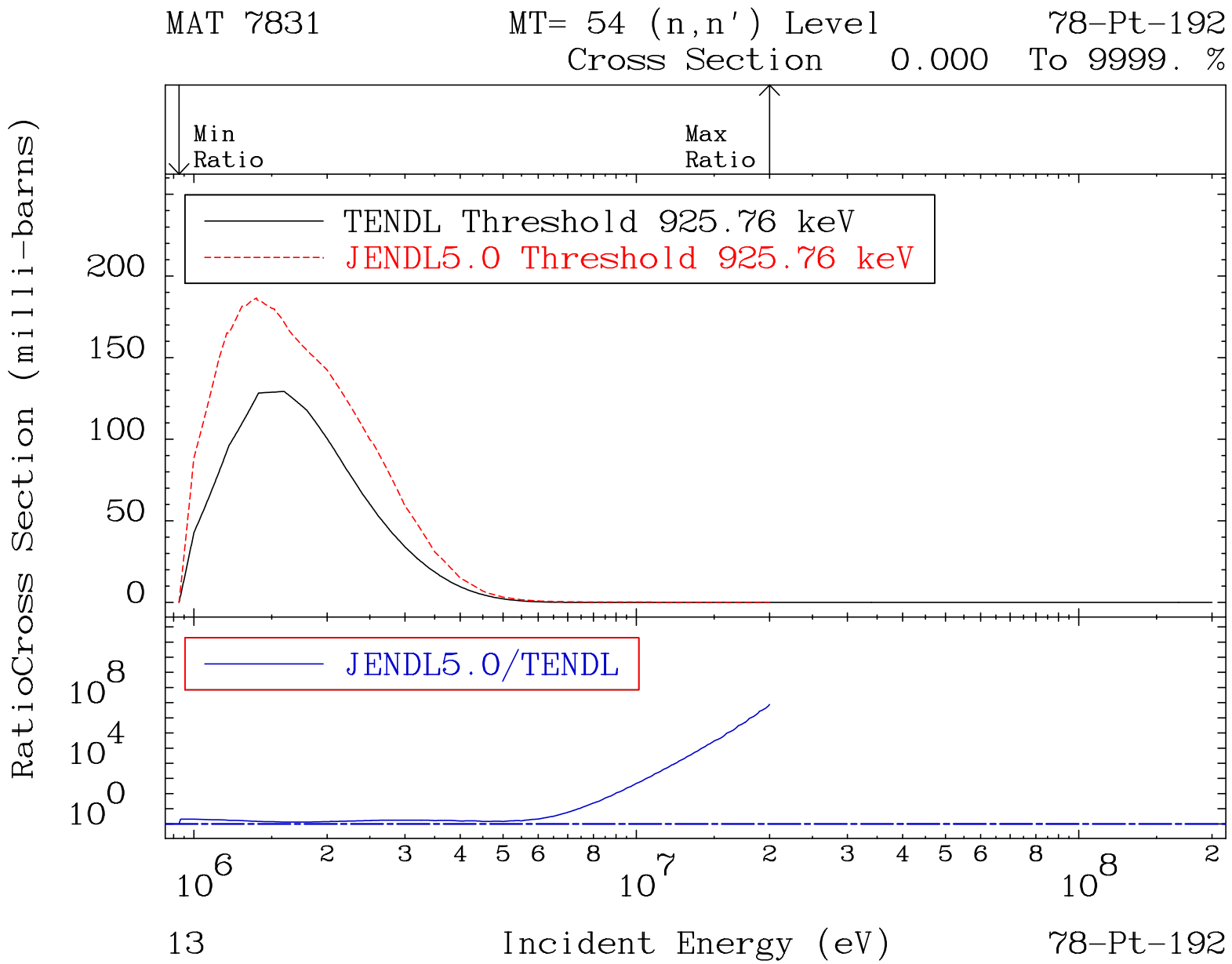

MAT 7831
(n,n') d
Cross Section
78-Pt-192
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.737 MeV
JENDL5.0 Threshold 12.739 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
78-Pt-192

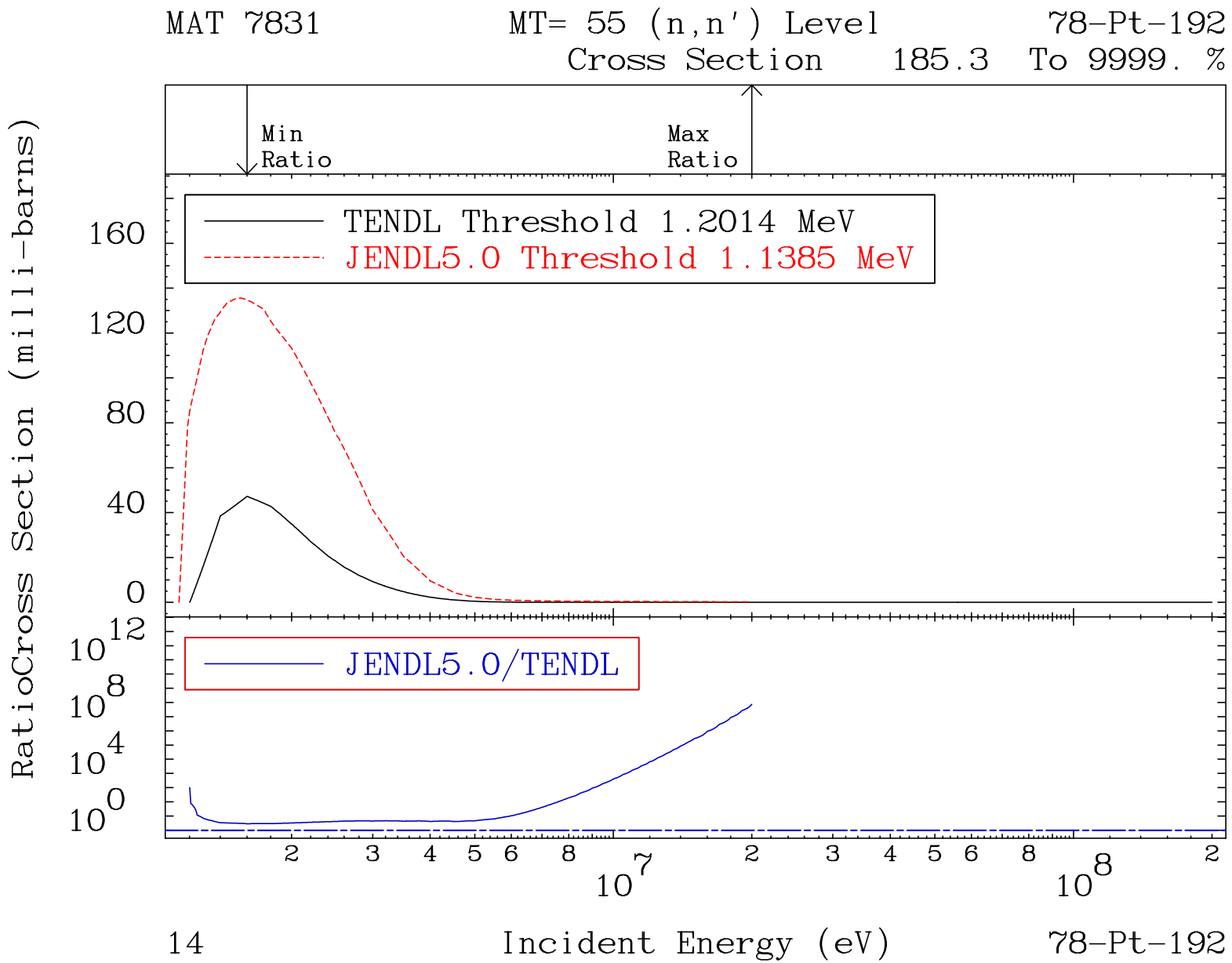

MAT 7831
(n,2n) p
Cross Section
78-Pt-192
-100.0 To -14.51%
Max
Ratio
TENDL Threshold 14.973 MeV
JENDL5.0 Threshold 14.975 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-192

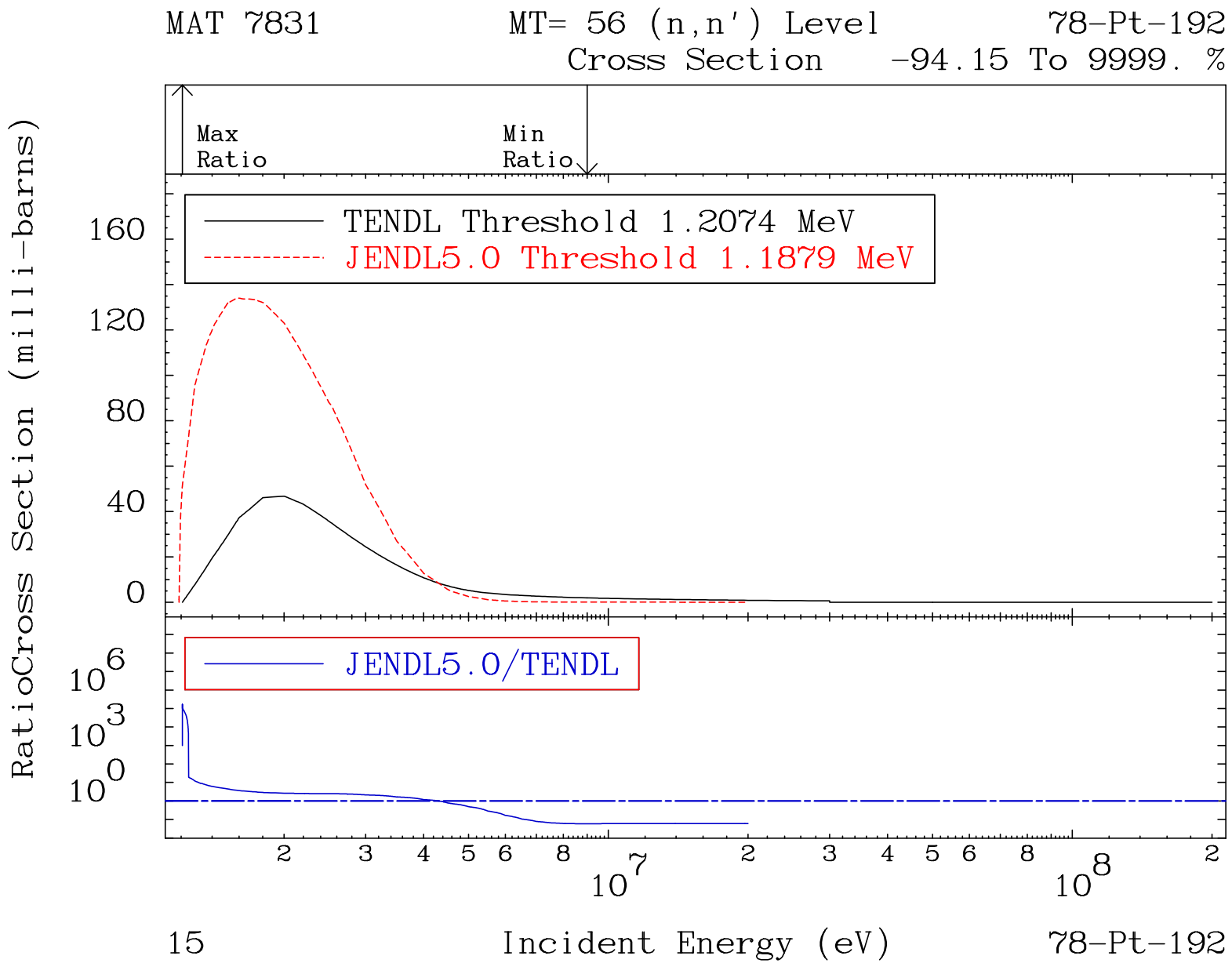

MAT 7831
MT= 51 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 62.94 %
Max
Ratio
TENDL Threshold 318.17 keV
JENDL5.0 Threshold 318.17 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
10
78-Pt-192

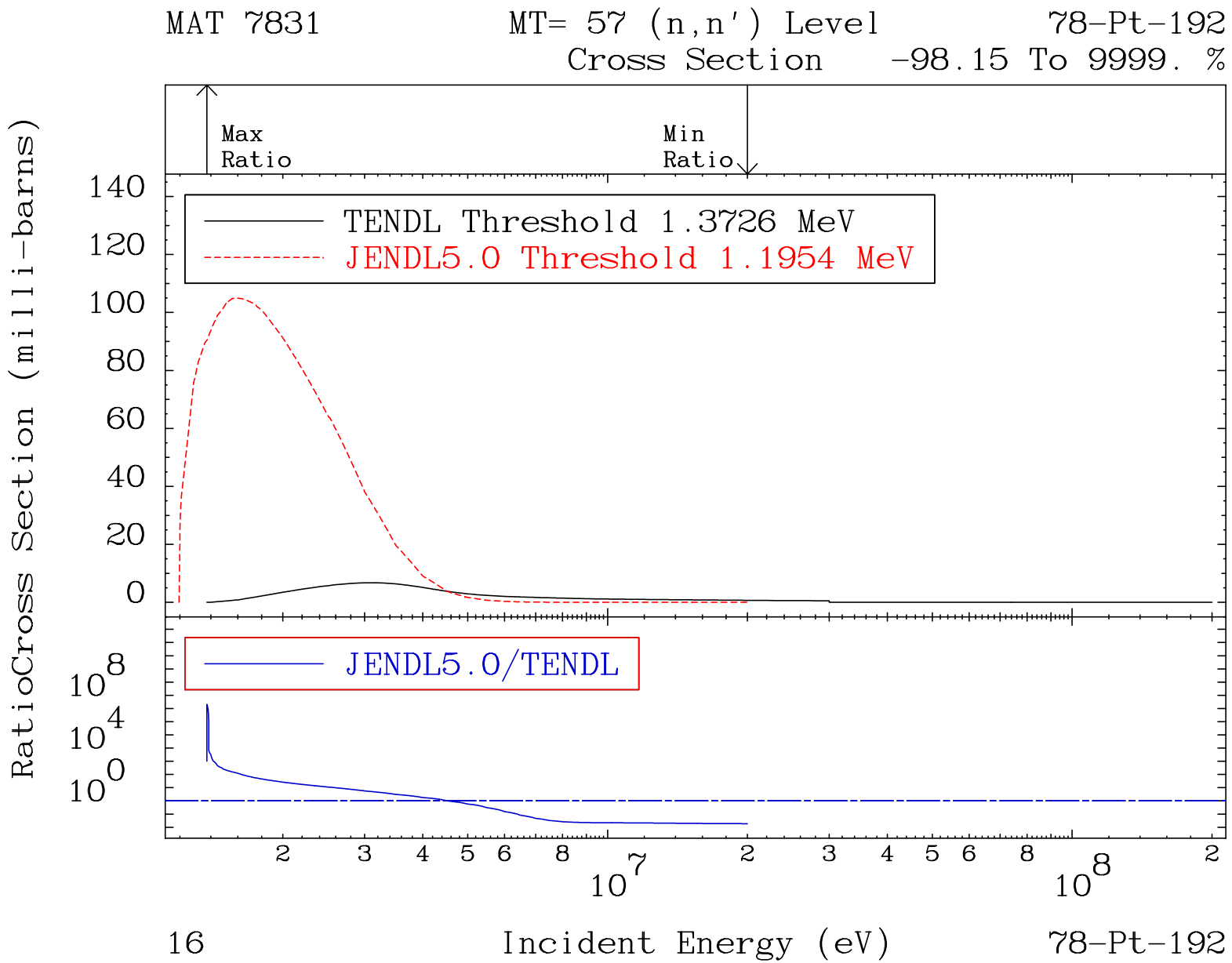

MAT 7831
MT= 52 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 76.61 %
Max
Ratio
TENDL Threshold 615.68 keV
JENDL5.0 Threshold 615.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
78-Pt-192

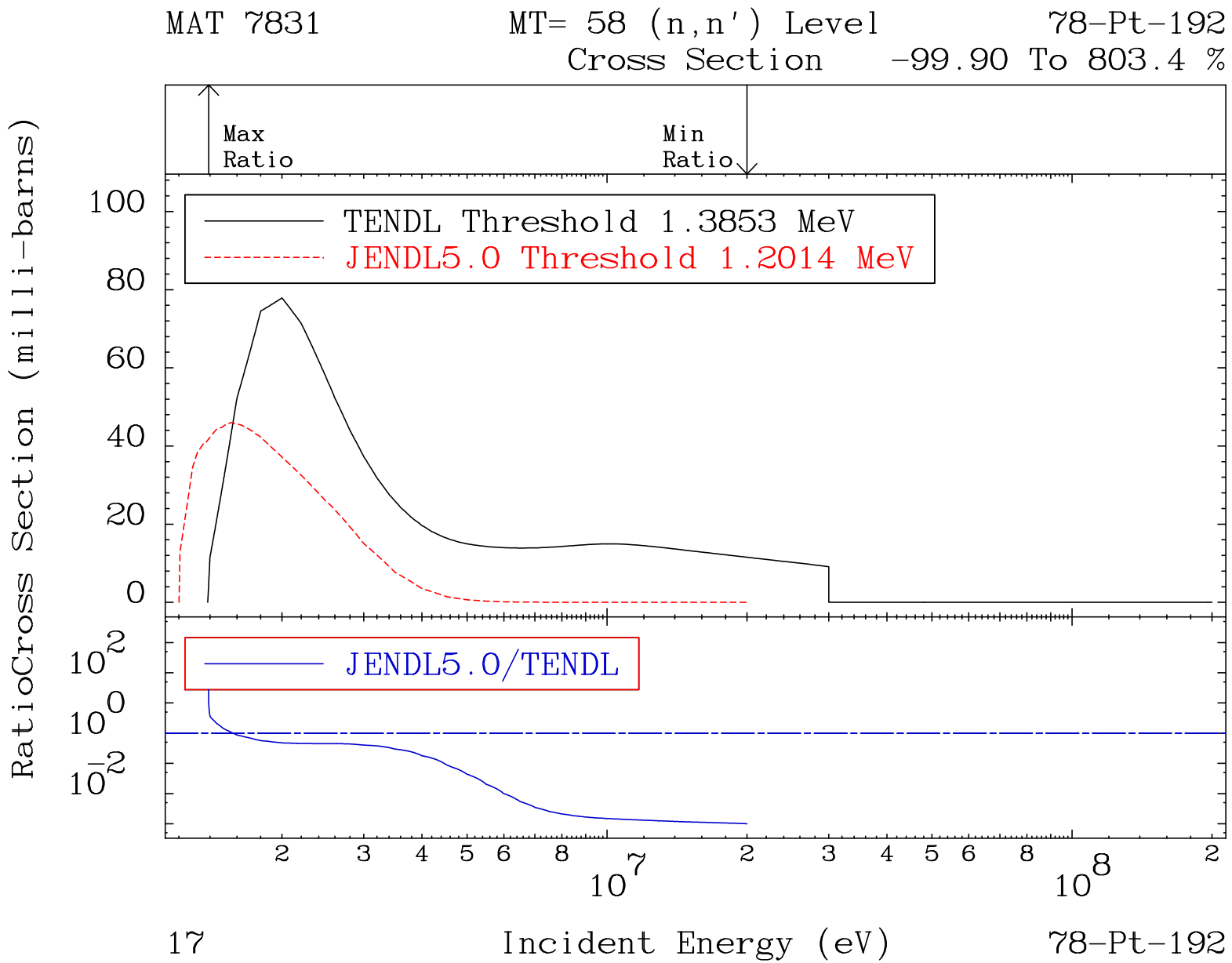

MAT 7831
MT= 53 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 122.3 %
Max
Ratio
TENDL Threshold 788.70 keV
JENDL5.0 Threshold 788.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
3.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
12
Incident Energy (eV)
78-Pt-192

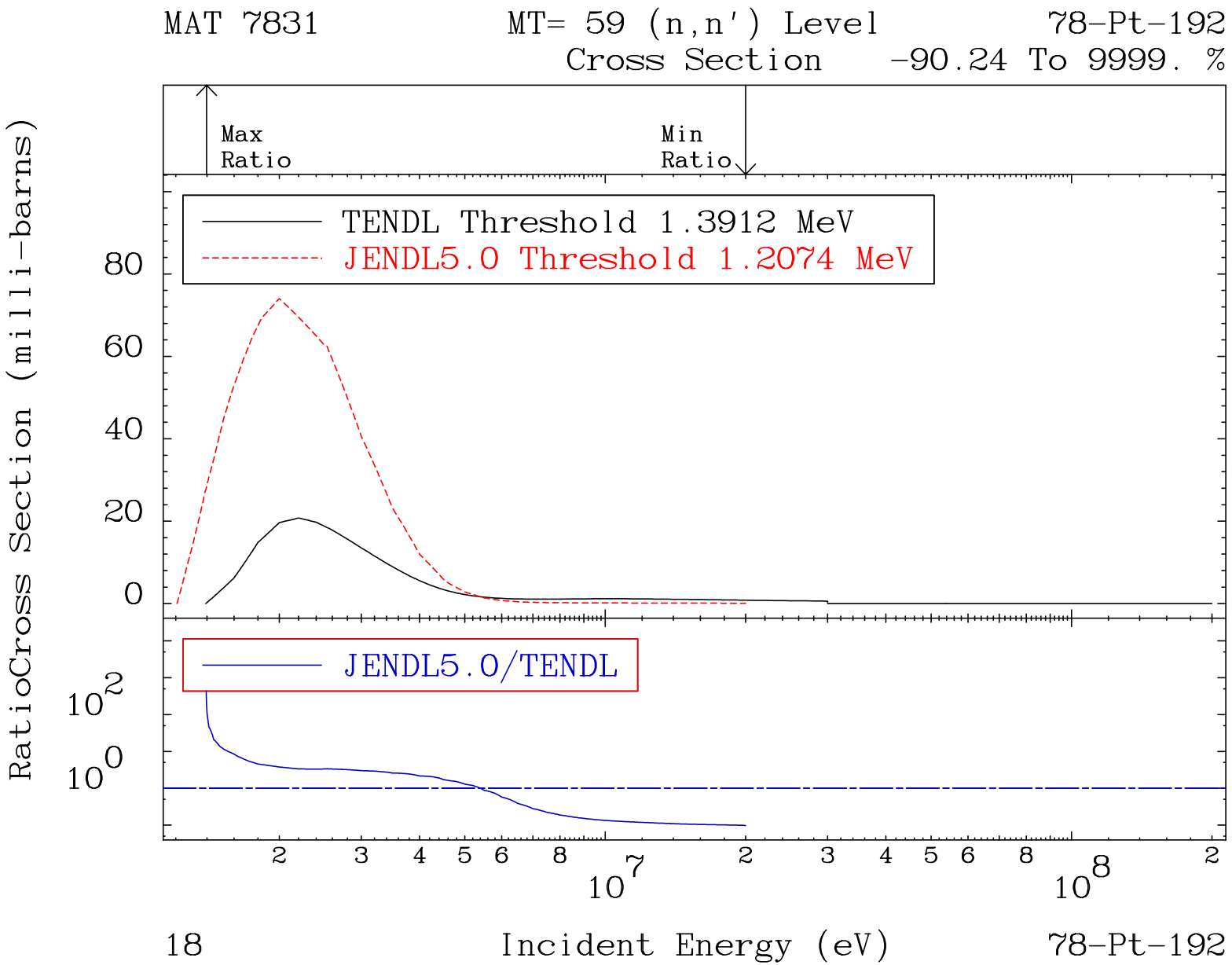

MAT 7831
MT= 54 (n,n') Level
78-Pt-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 925.76 keV
JENDL5.0 Threshold 925.76 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^8
10^4
10^0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
13
Incident Energy (eV)
78-Pt-192

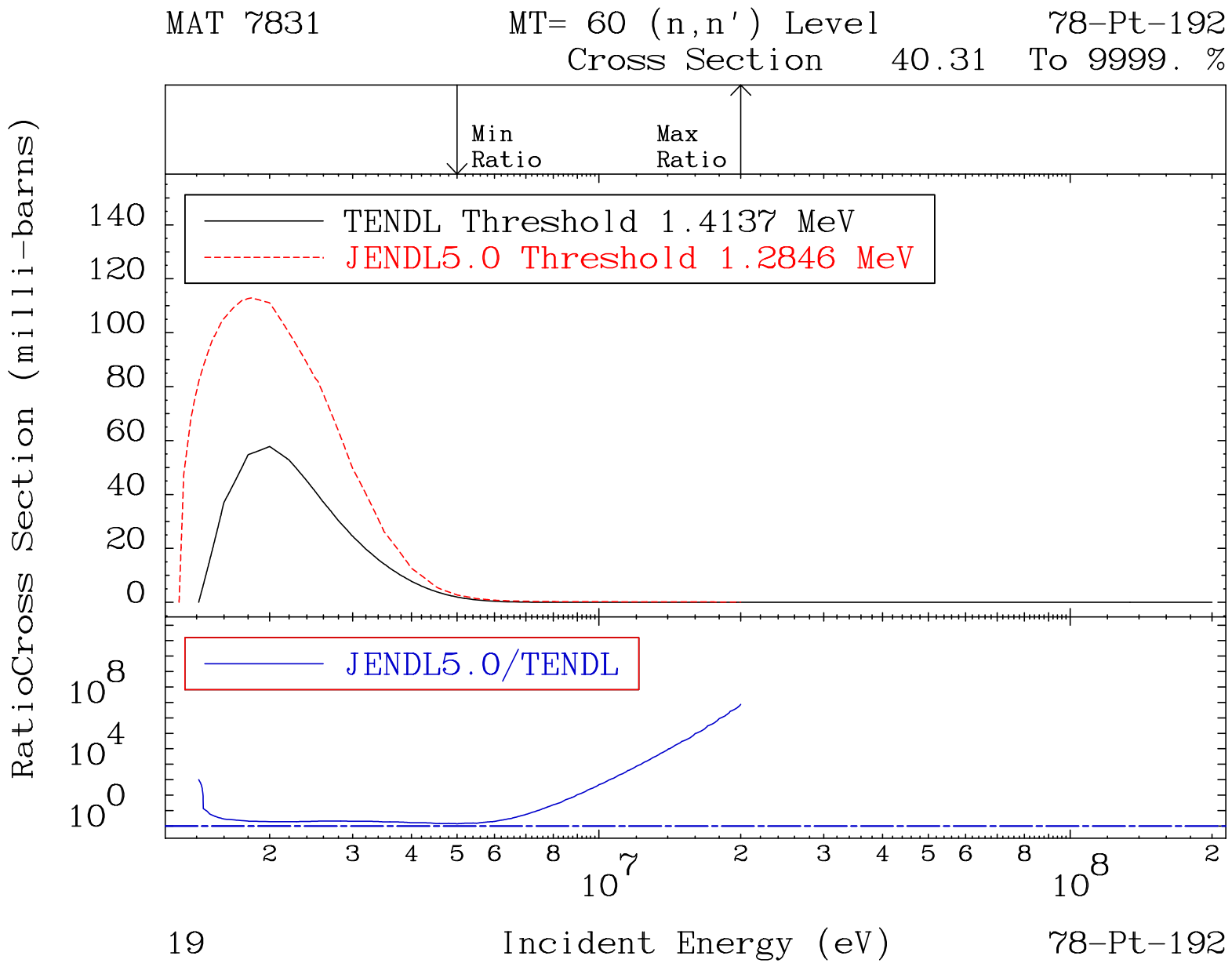

MAT 7831
MT= 55 (n,n') Level
78-Pt-192
Cross Section 185.3 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2014 MeV
JENDL5.0 Threshold 1.1385 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^12
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
78-Pt-192

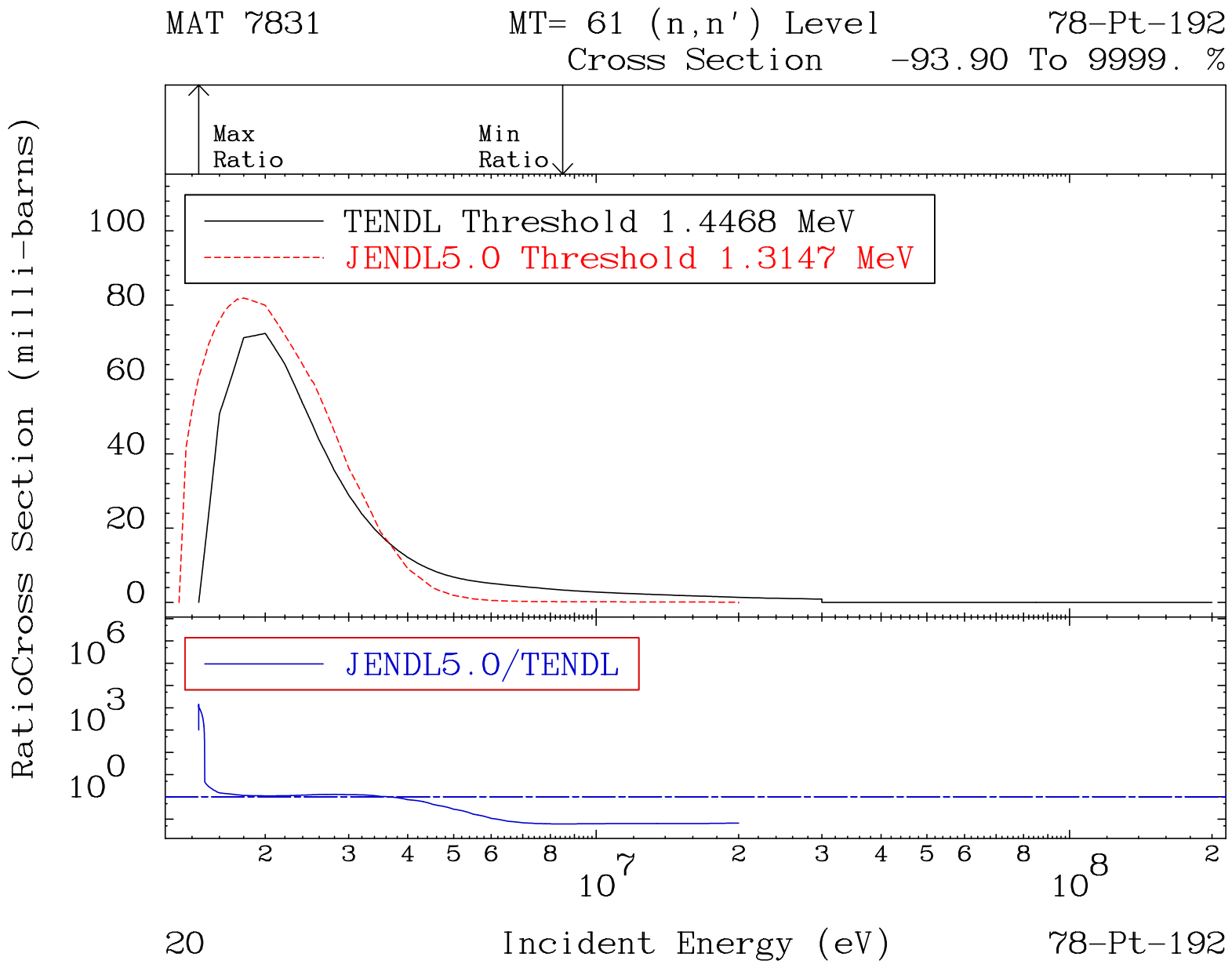

MAT 7831
MT= 56 (n,n') Level
78-Pt-192
Cross Section -94.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2074 MeV
JENDL5.0 Threshold 1.1879 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^6
10^3
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
78-Pt-192

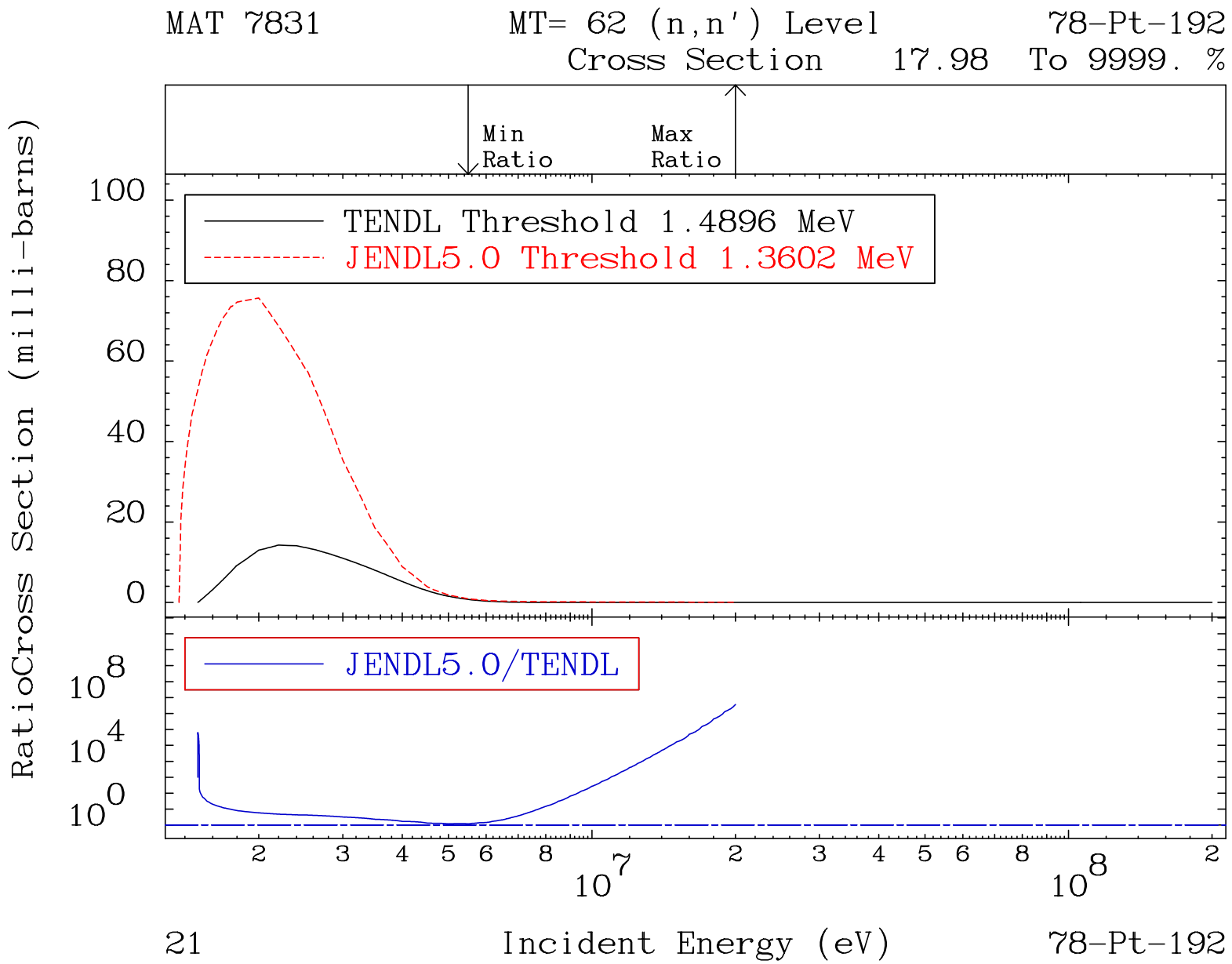

MAT 7831
MT= 57 (n,n') Level
78-Pt-192
Cross Section -98.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3726 MeV
JENDL5.0 Threshold 1.1954 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
78-Pt-192

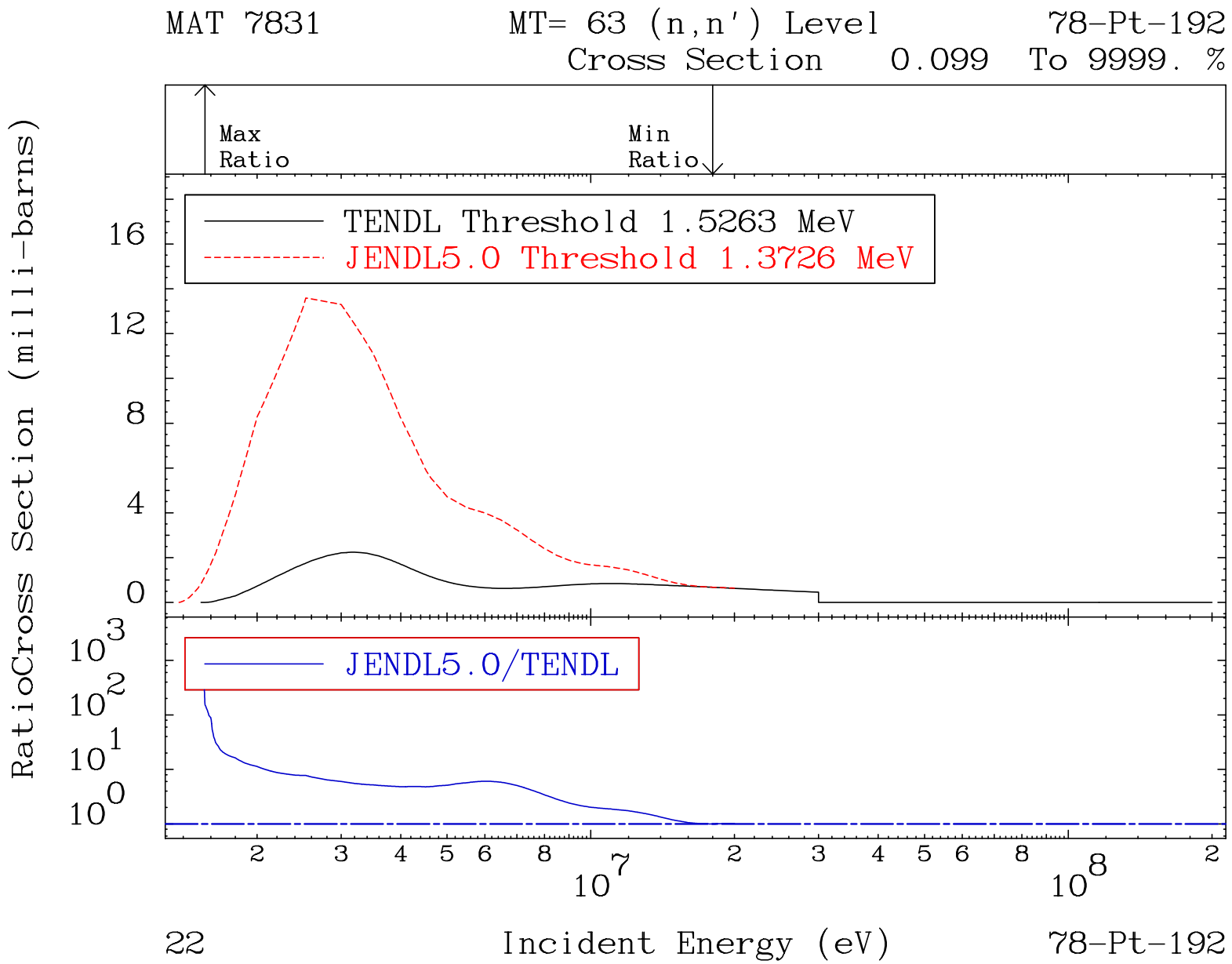

MAT 7831
MT= 58 (n,n') Level
78-Pt-192
Cross Section
-99.90 To 803.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.3853 MeV
JENDL5.0 Threshold 1.2014 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^2
10^0
10^-2
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
78-Pt-192

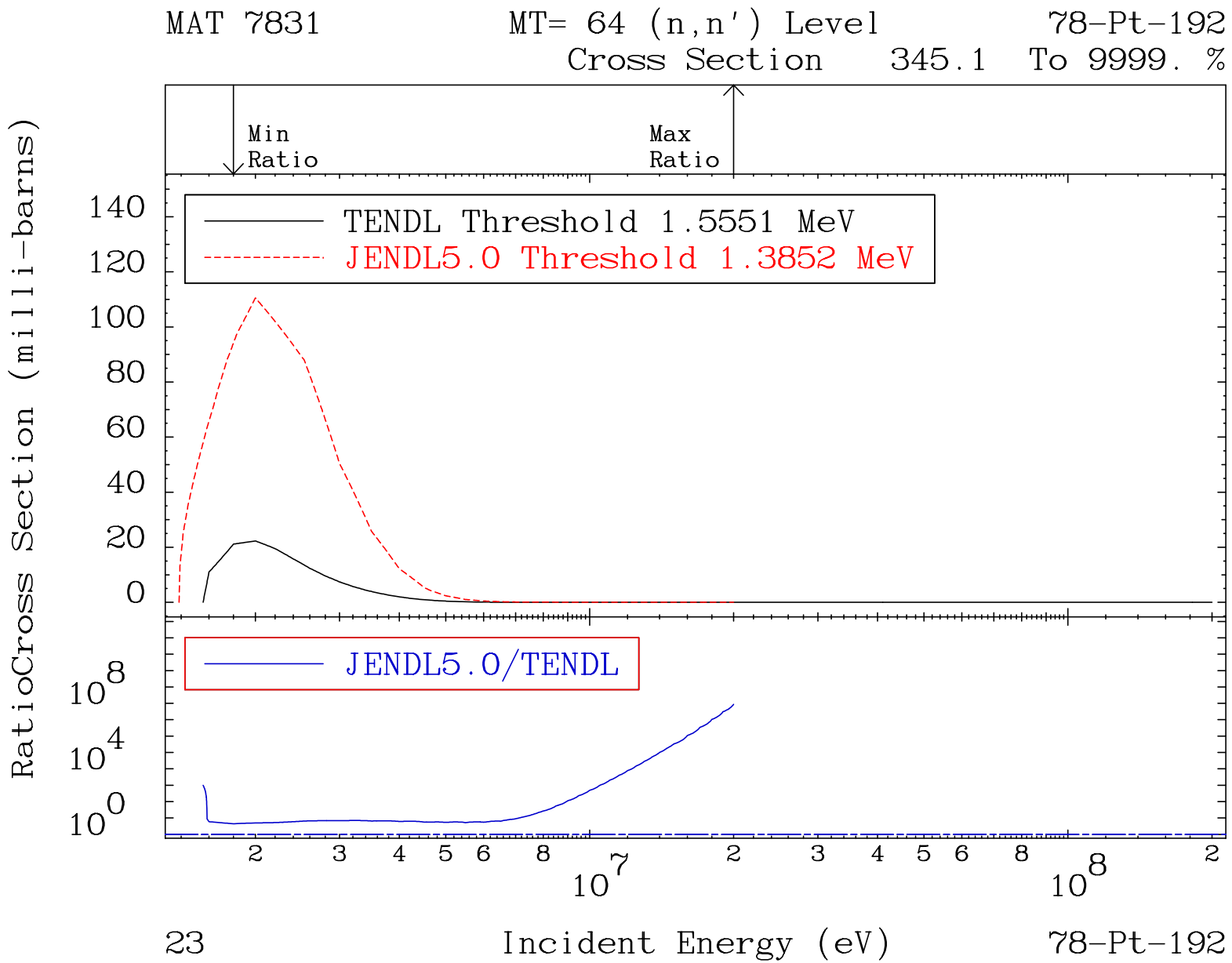

MAT 7831
MT= 59 (n,n') Level
78-Pt-192
Cross Section -90.24 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3912 MeV
JENDL5.0 Threshold 1.2074 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
78-Pt-192

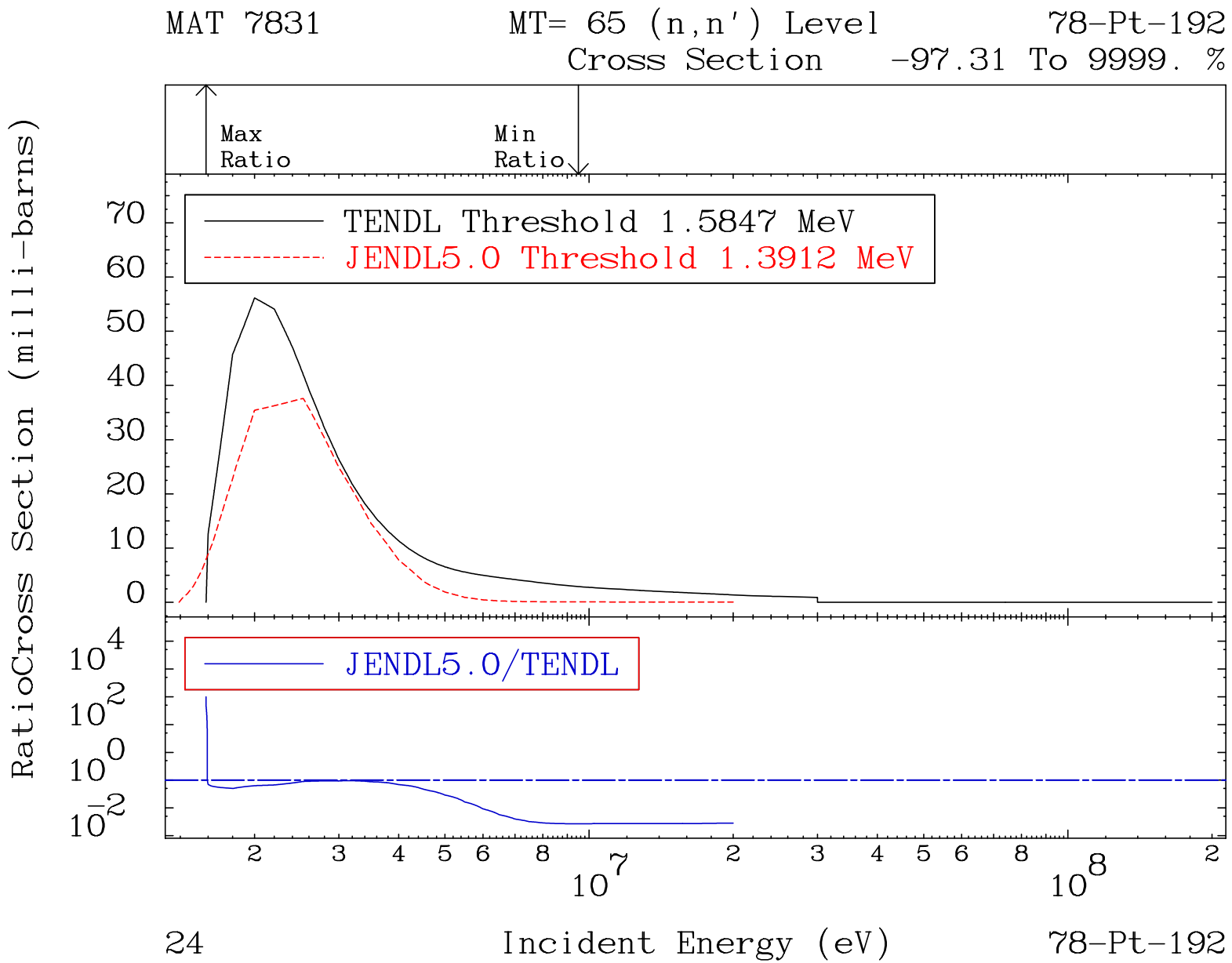

MAT 7831
MT= 60 (n,n') Level
78-Pt-192
Cross Section 40.31 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4137 MeV
JENDL5.0 Threshold 1.2846 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
78-Pt-192

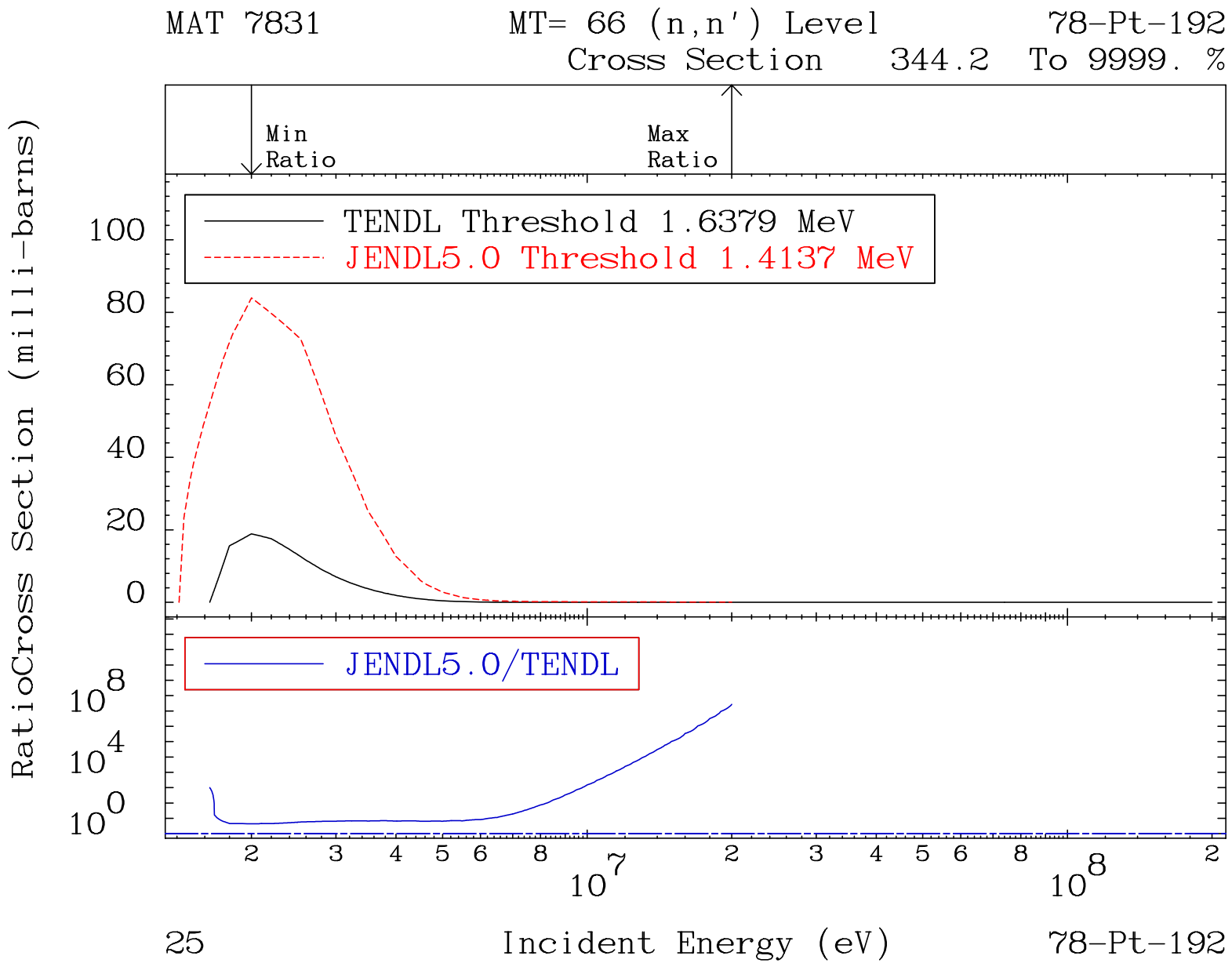

MAT 7831
MT= 61 (n,n') Level
78-Pt-192
Cross Section
-93.90 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4468 MeV
JENDL5.0 Threshold 1.3147 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^6
10^3
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
78-Pt-192

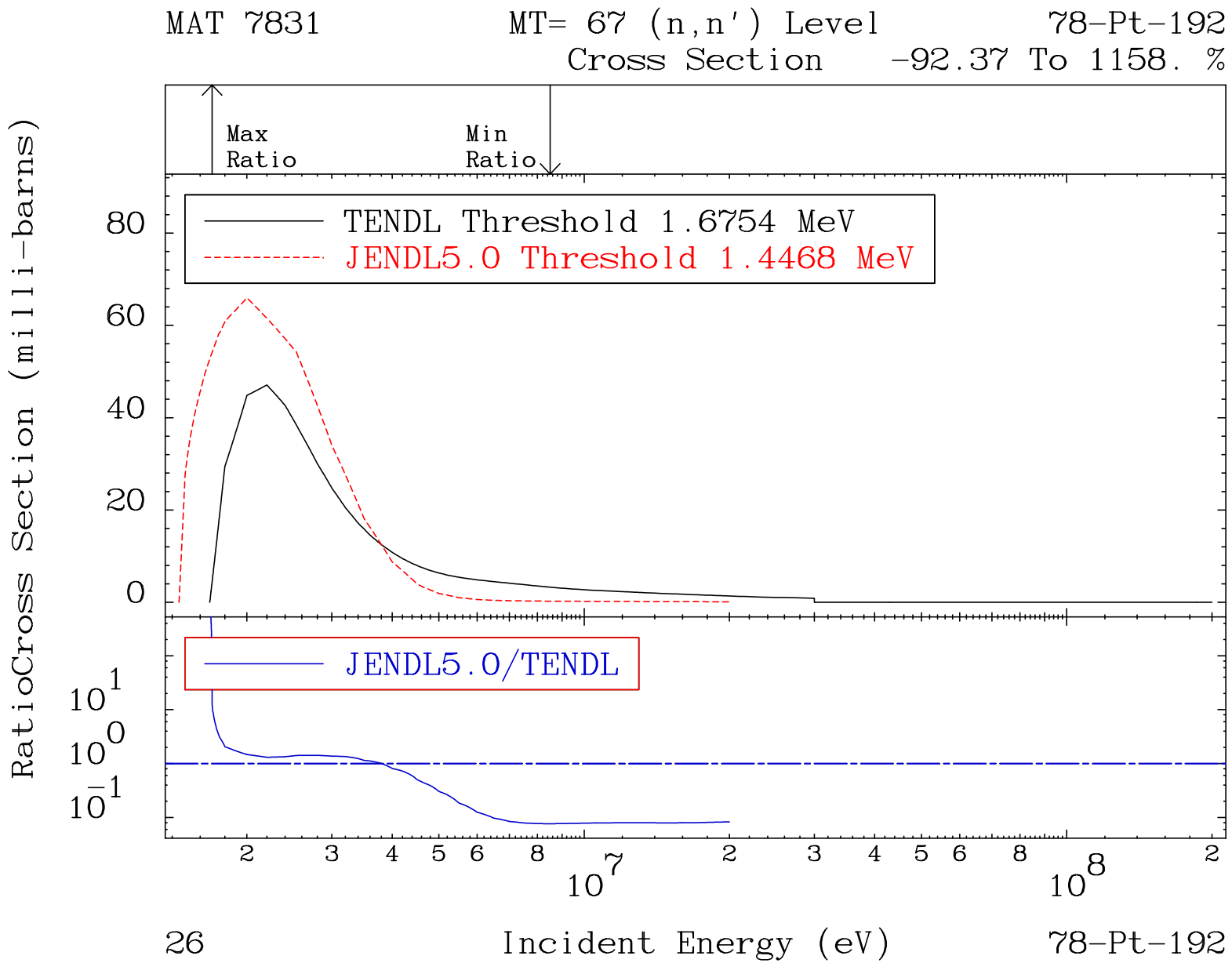

MAT 7831
MT= 62 (n,n') Level
78-Pt-192
Cross Section 17.98 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.4896 MeV
JENDL5.0 Threshold 1.3602 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
78-Pt-192

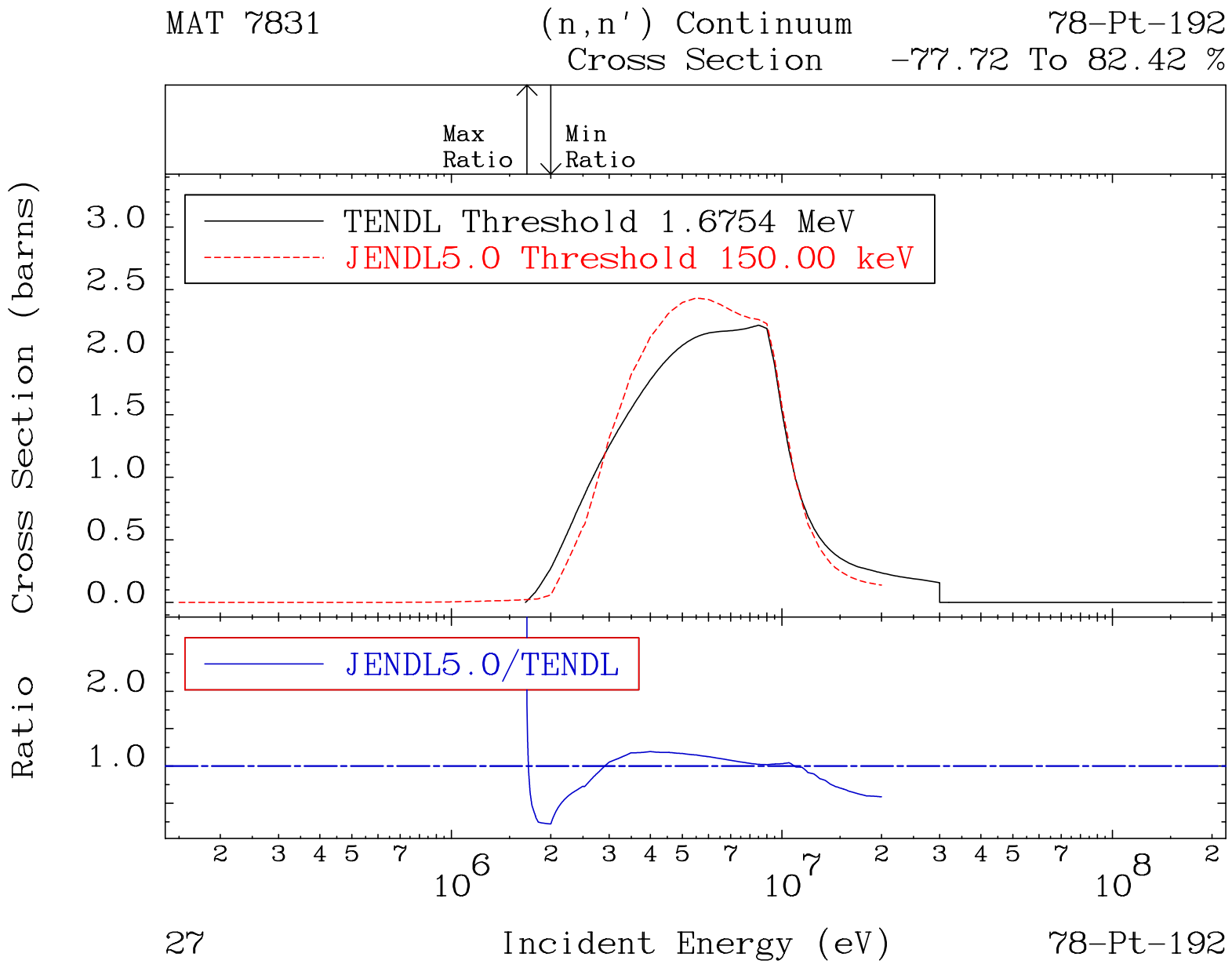

MAT 7831
MT= 63 (n,n') Level
78-Pt-192
Cross Section 0.099 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5263 MeV
JENDL5.0 Threshold 1.3726 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
78-Pt-192

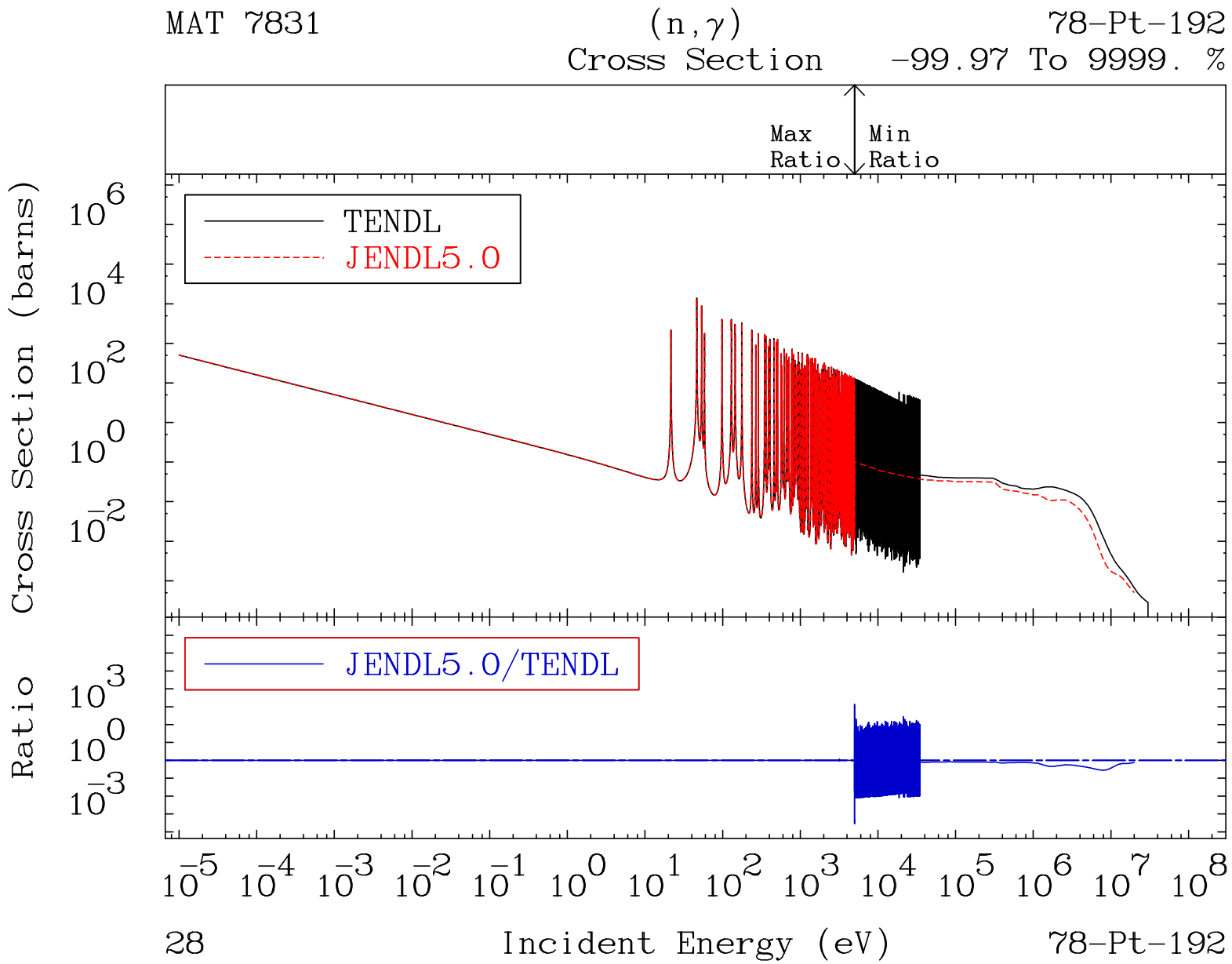

MAT 7831
MT= 64 (n,n') Level
78-Pt-192
Cross Section 345.1 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5551 MeV
JENDL5.0 Threshold 1.3852 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
78-Pt-192

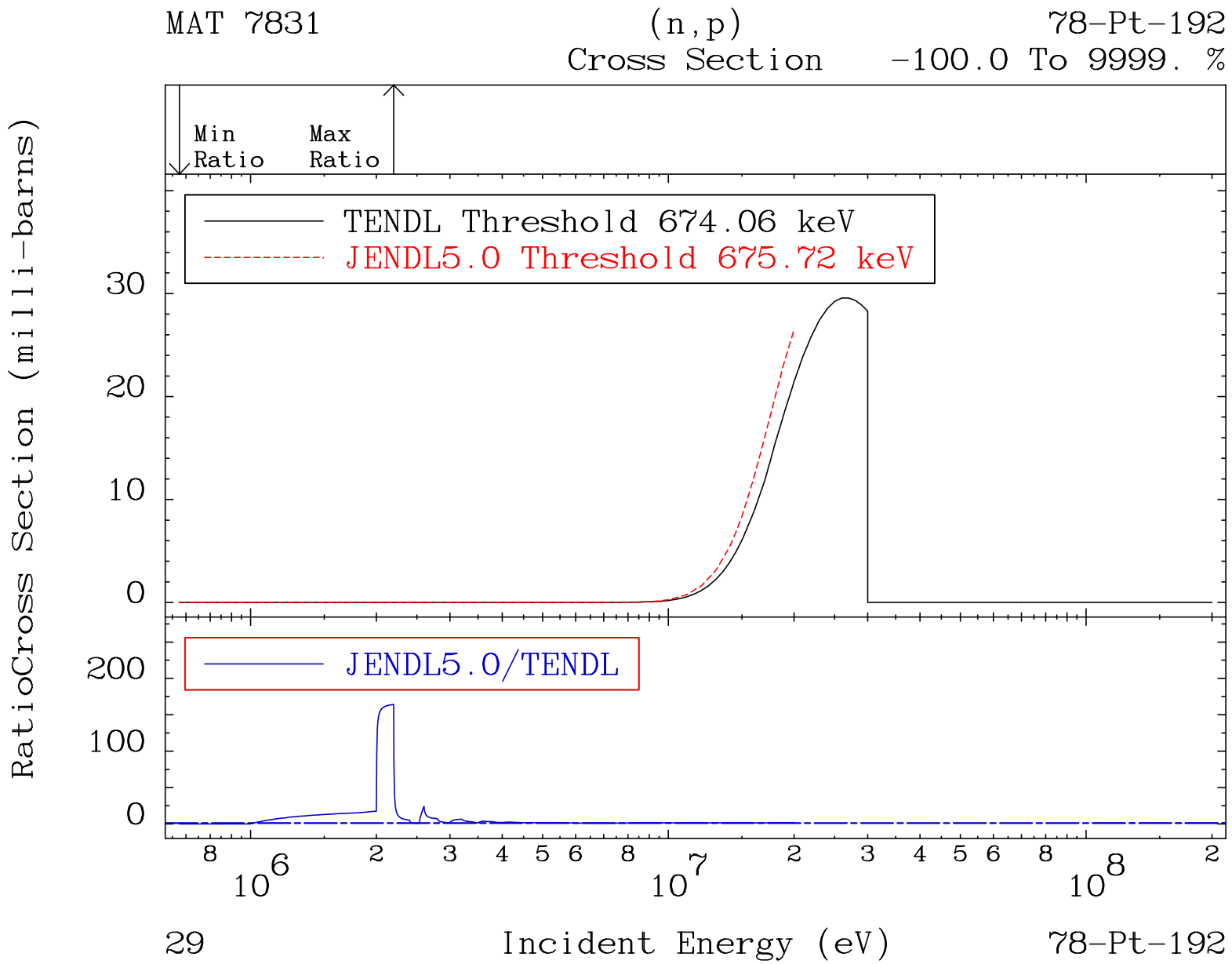

MAT 7831
MT= 65 (n,n') Level
78-Pt-192
Cross Section
-97.31 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5847 MeV
JENDL5.0 Threshold 1.3912 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
78-Pt-192

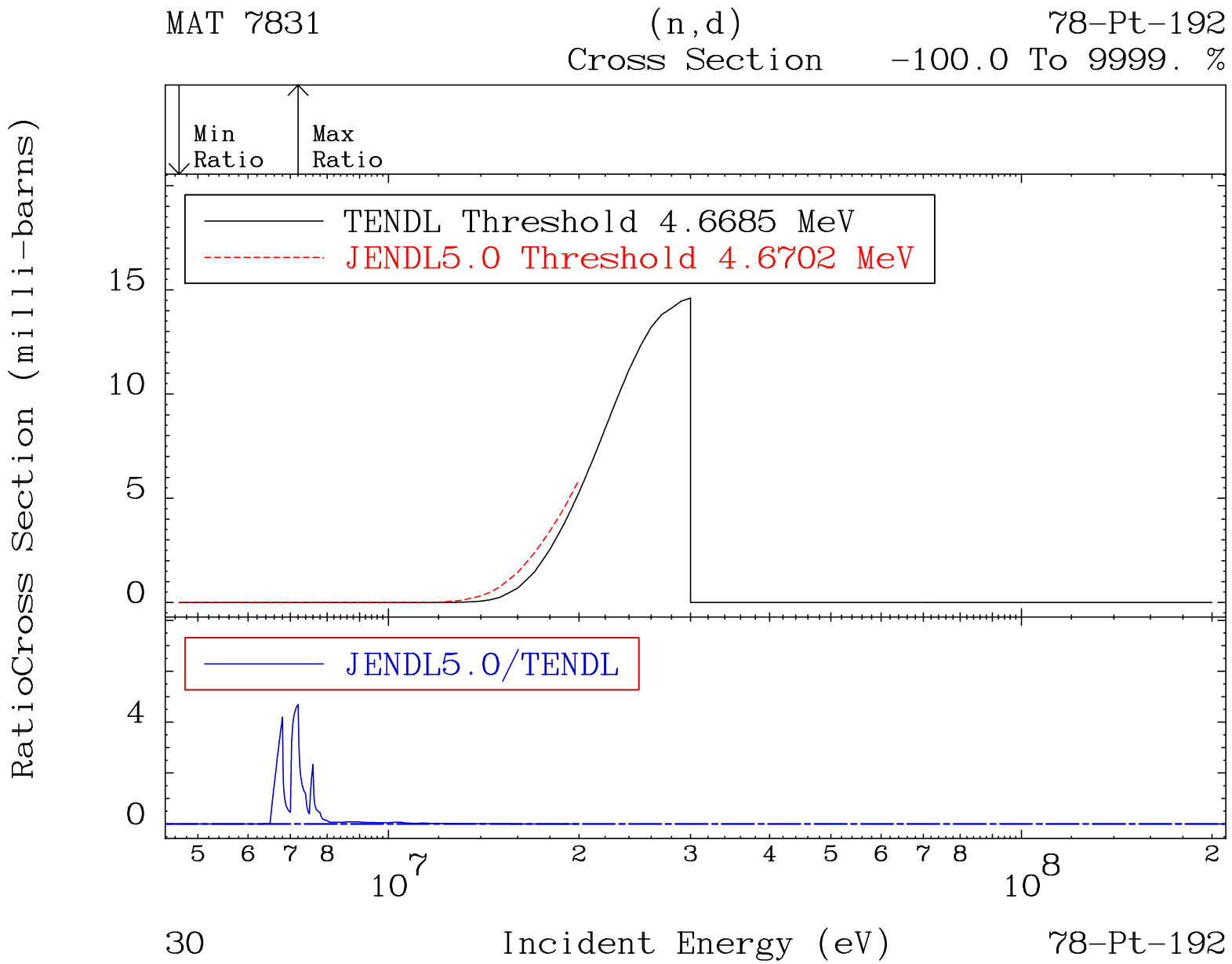

MAT 7831
MT= 66 (n,n') Level
78-Pt-192
Cross Section 344.2 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6379 MeV
JENDL5.0 Threshold 1.4137 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
78-Pt-192

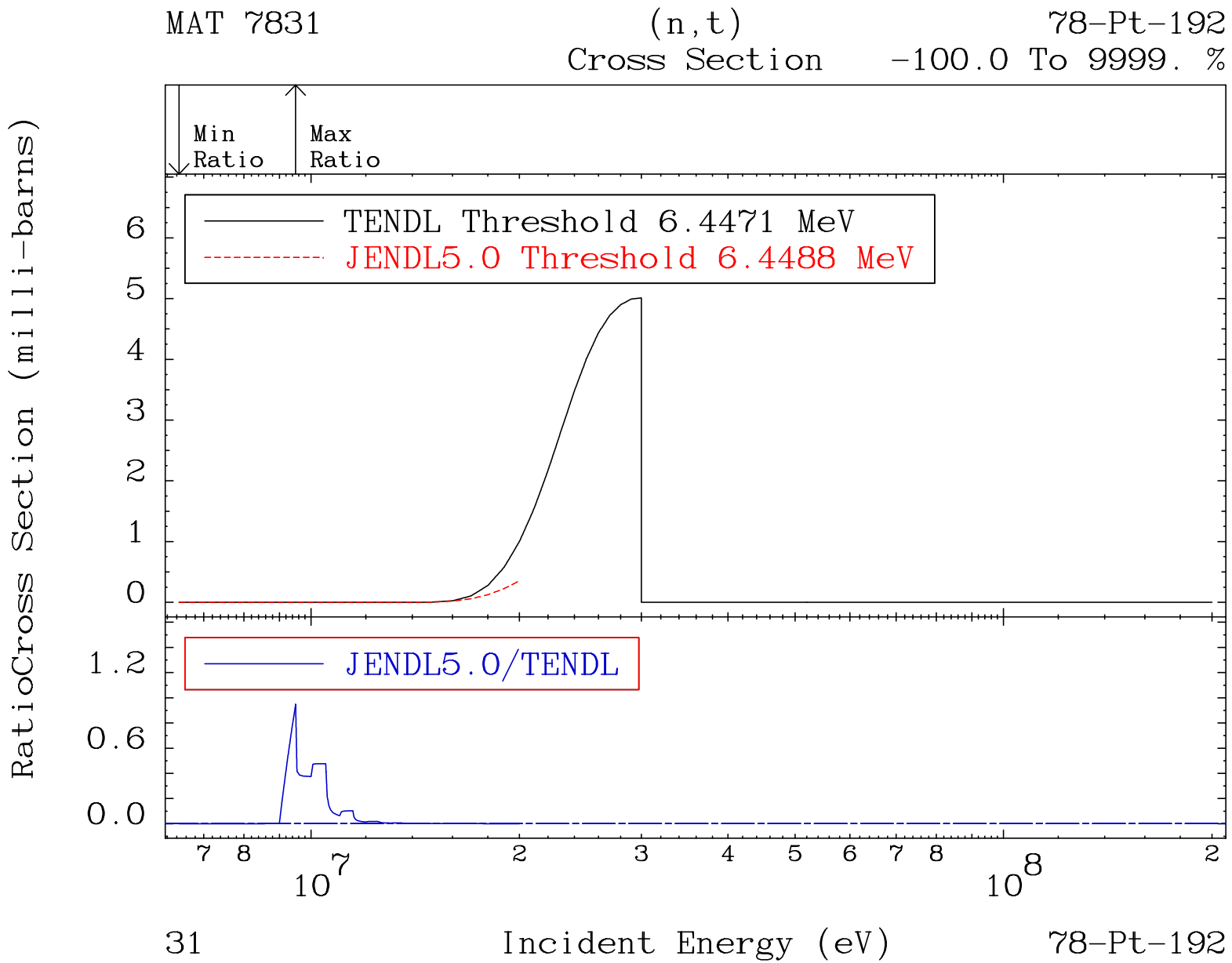

MAT 7831
MT= 67 (n,n') Level
78-Pt-192
Cross Section -92.37 To 1158. %
Max Ratio
Min Ratio
TENDL Threshold 1.6754 MeV
JENDL5.0 Threshold 1.4468 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
10^-1
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
78-Pt-192

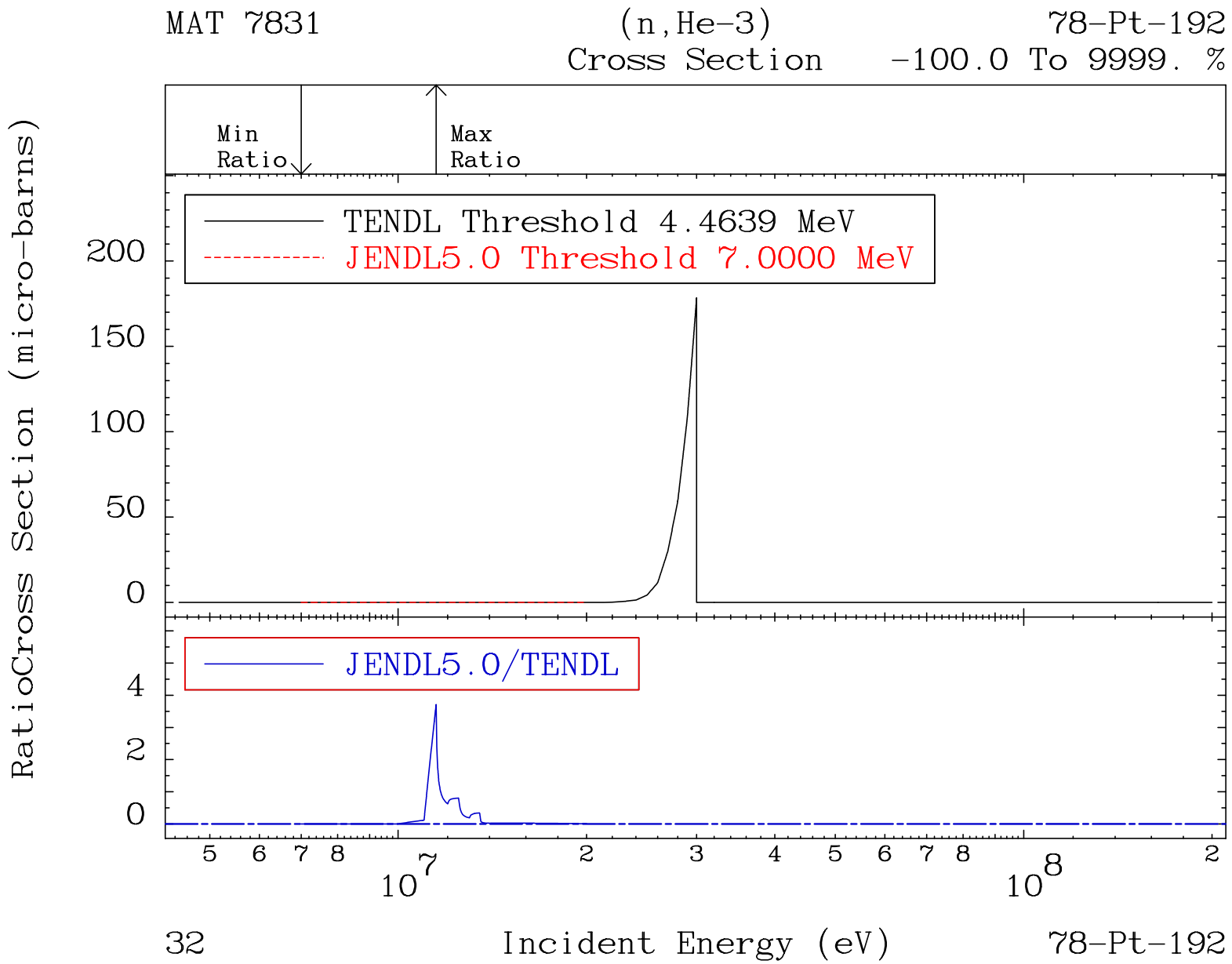

MAT 7831
(n,n') Continuum
Cross Section
78-Pt-192
-77.72 To 82.42 %
Max Ratio
Min Ratio
TENDL Threshold 1.6754 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
27
Incident Energy (eV)
78-Pt-192

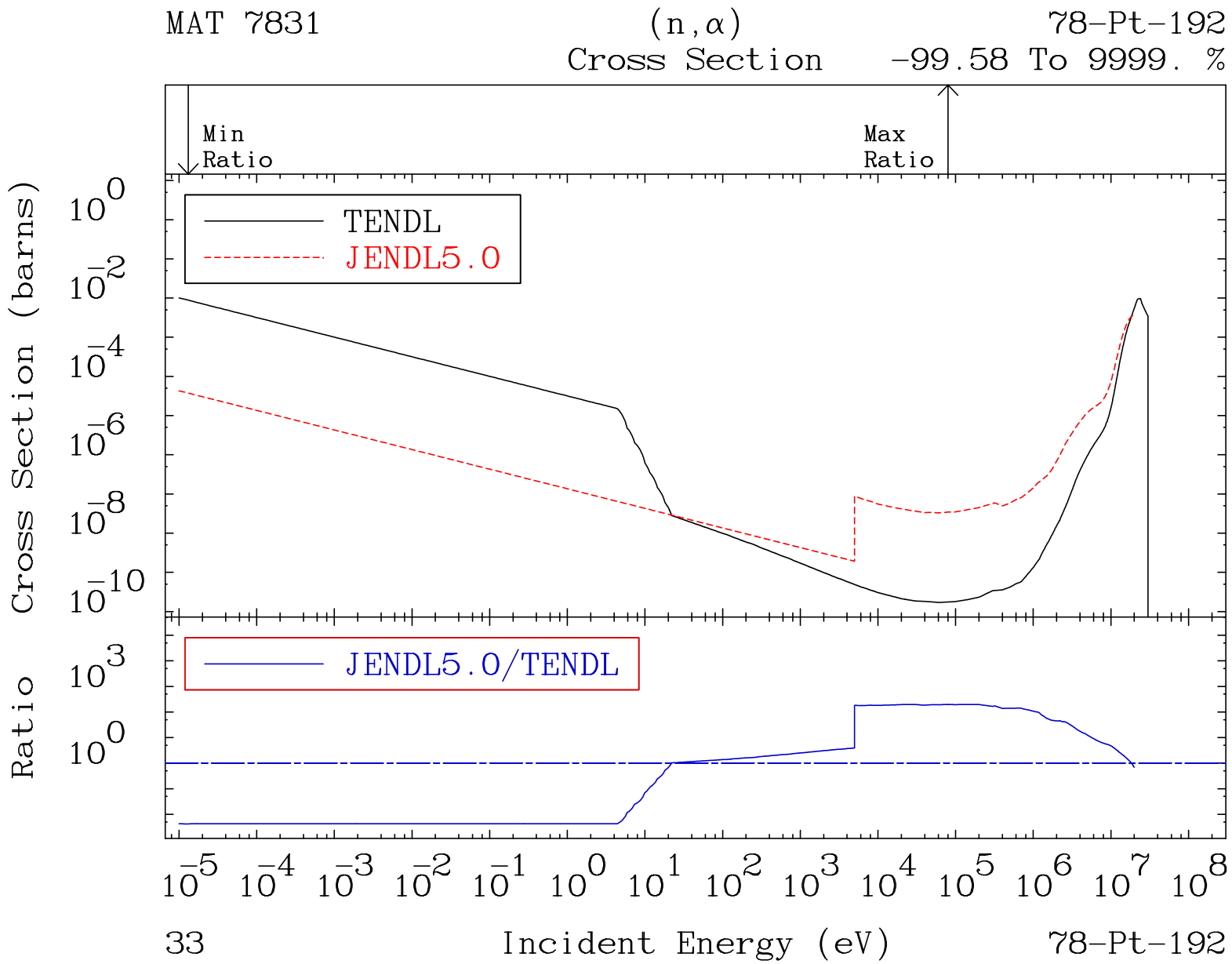

MAT 7831
(n,γ)
78-Pt-192
Cross Section
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
78-Pt-192

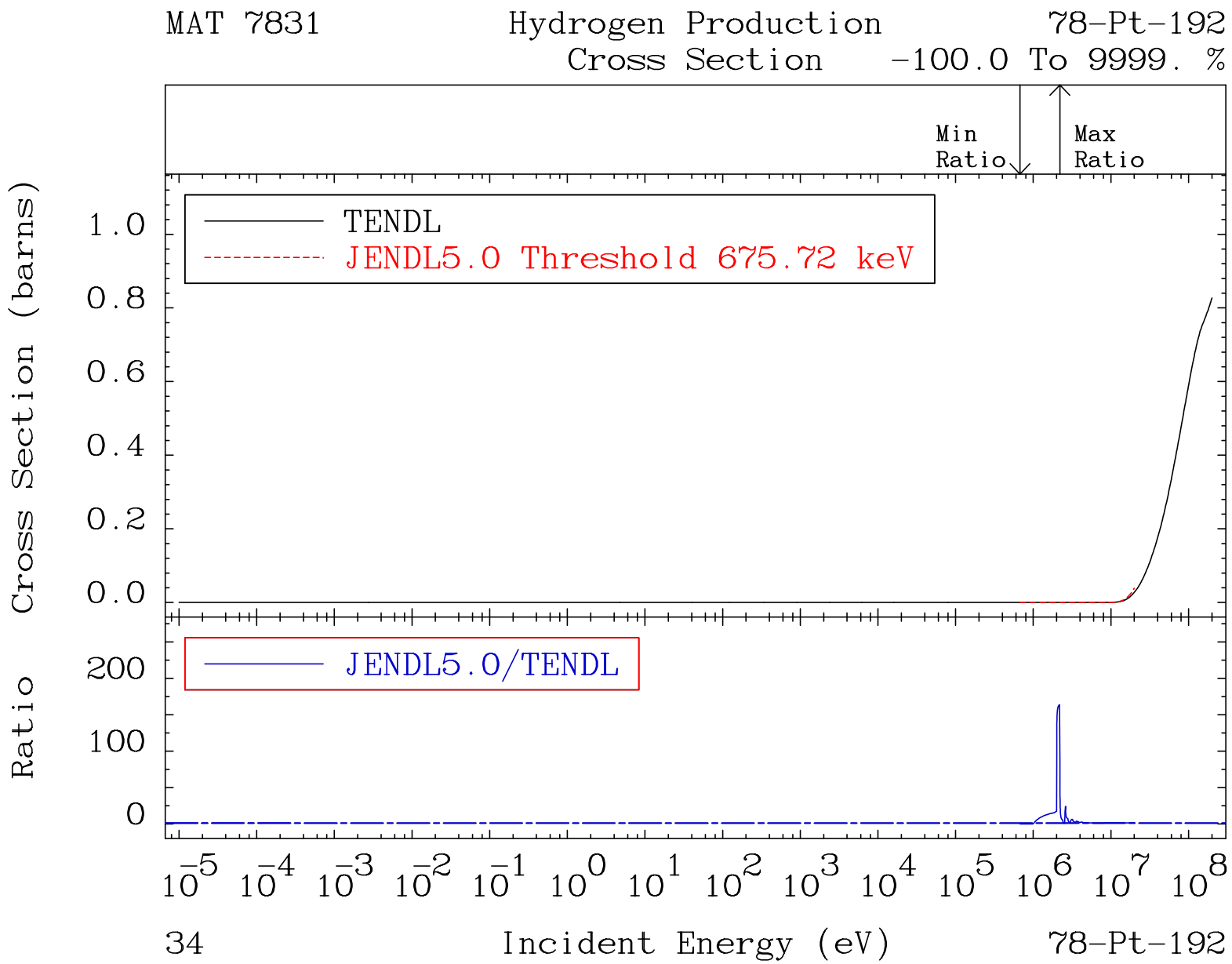

MAT 7831
(n,p)
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 674.06 keV
JENDL5.0 Threshold 675.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
200
100
0
8
2
3
4
5
6
8
10^6
10^7
10^8
29
Incident Energy (eV)
78-Pt-192

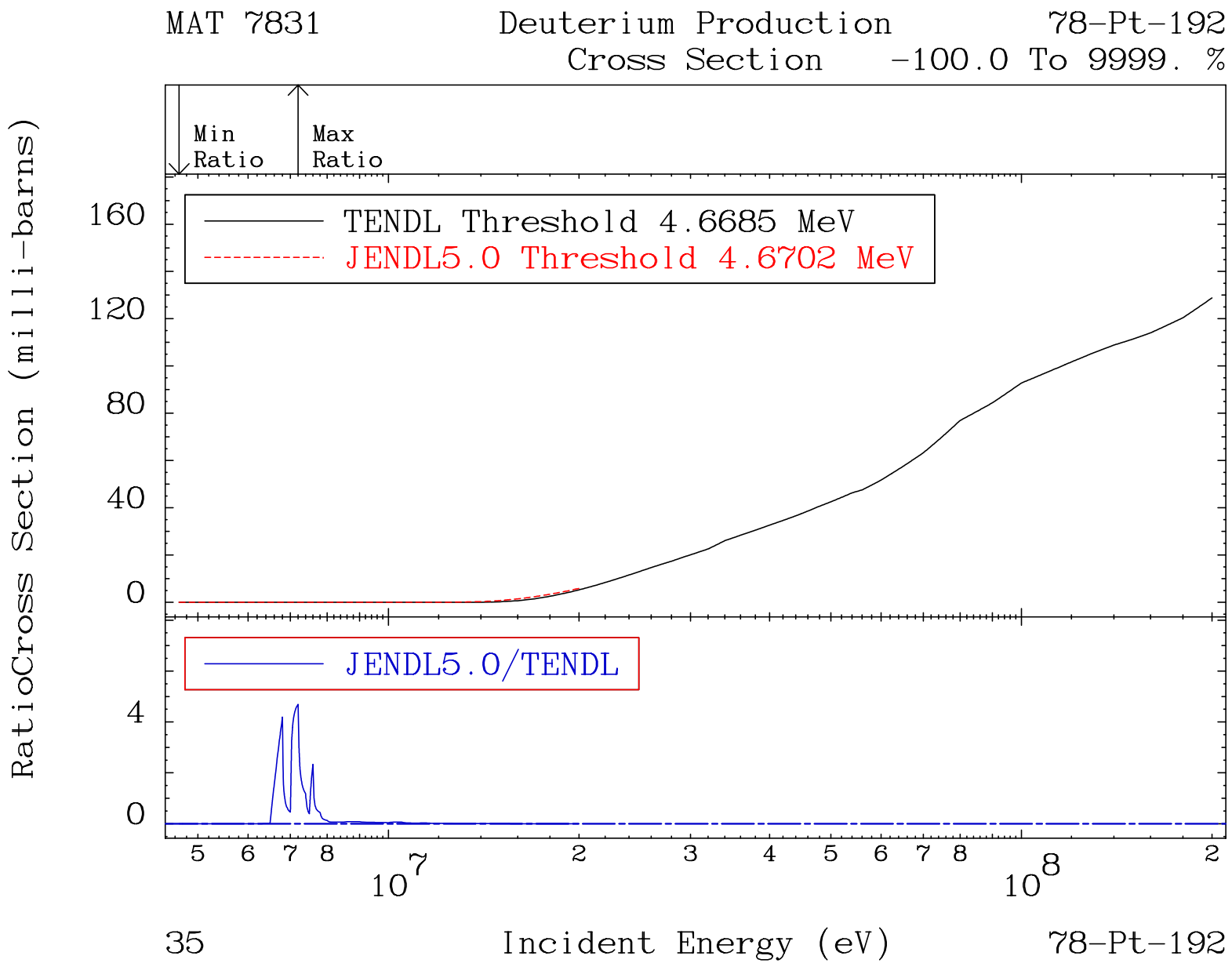

MAT 7831
(n,d)
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
JENDL5.0 Threshold 4.6702 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
4
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
78-Pt-192

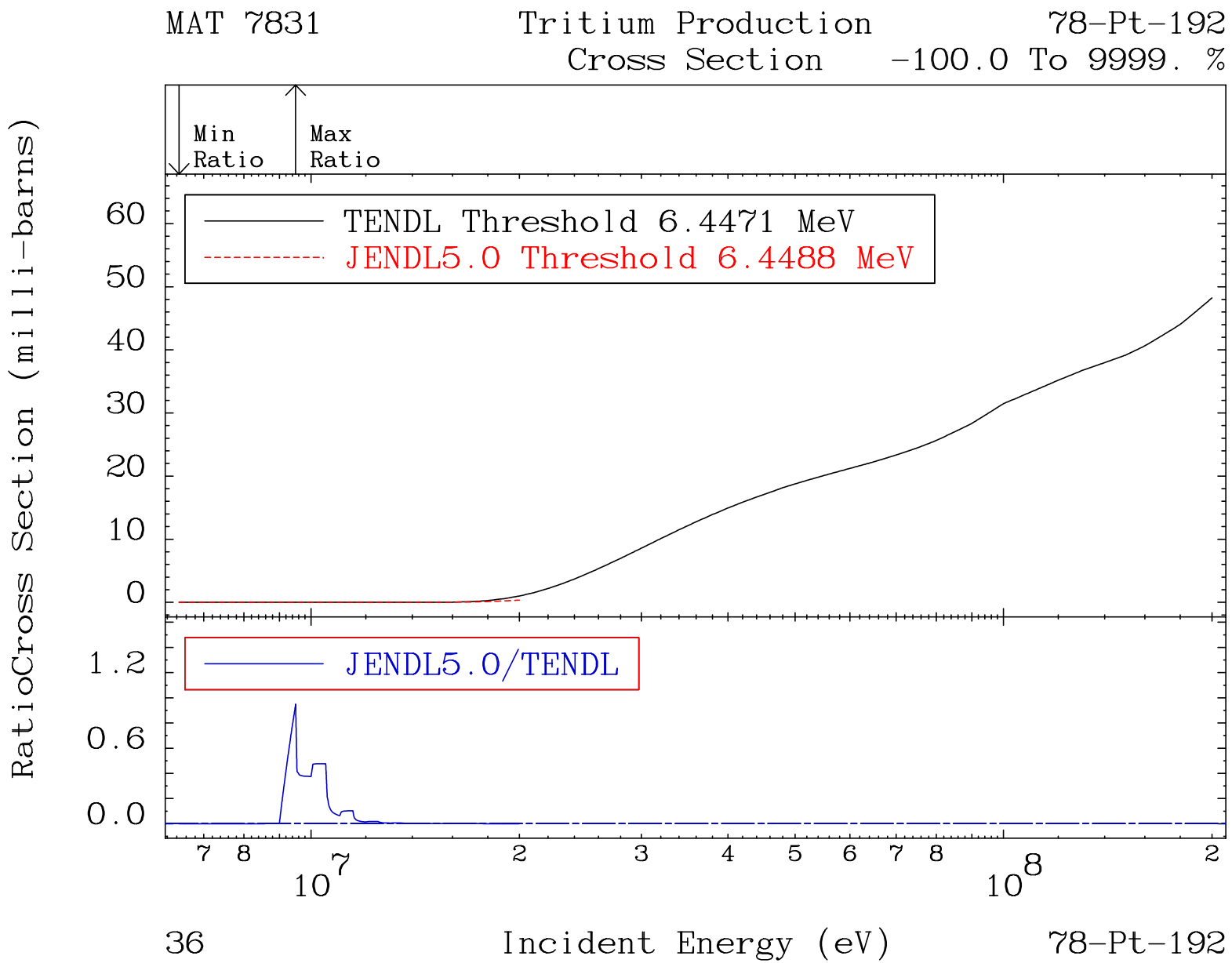

MAT 7831
(n,t)
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
JENDL5.0 Threshold 6.4488 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
78-Pt-192

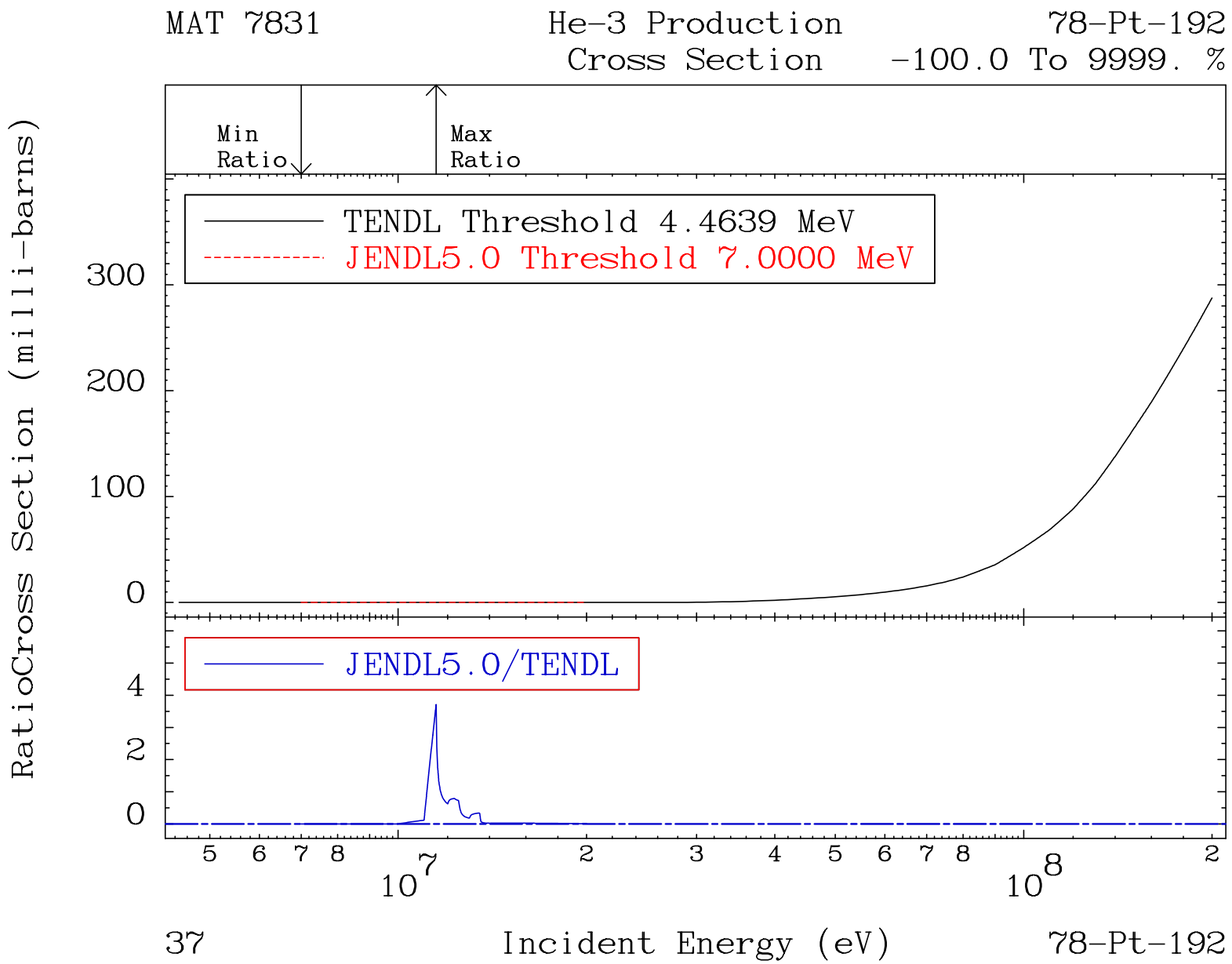

MAT 7831
(n,He-3)
Cross Section
78-Pt-192
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
JENDL5.0 Threshold 7.0000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
78-Pt-192

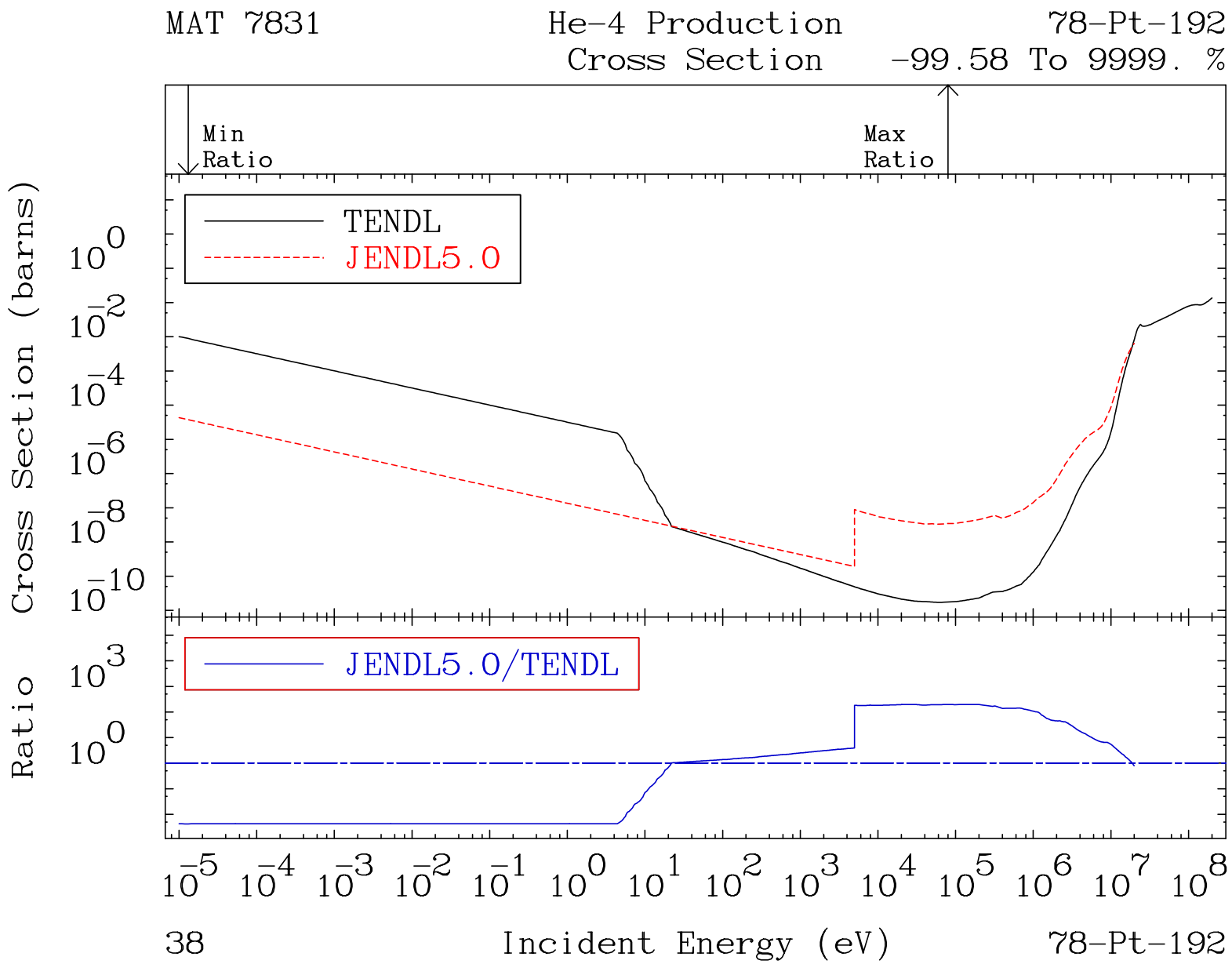

MAT 7831
(n,α)
Cross Section
78-Pt-192
-99.58 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
78-Pt-192

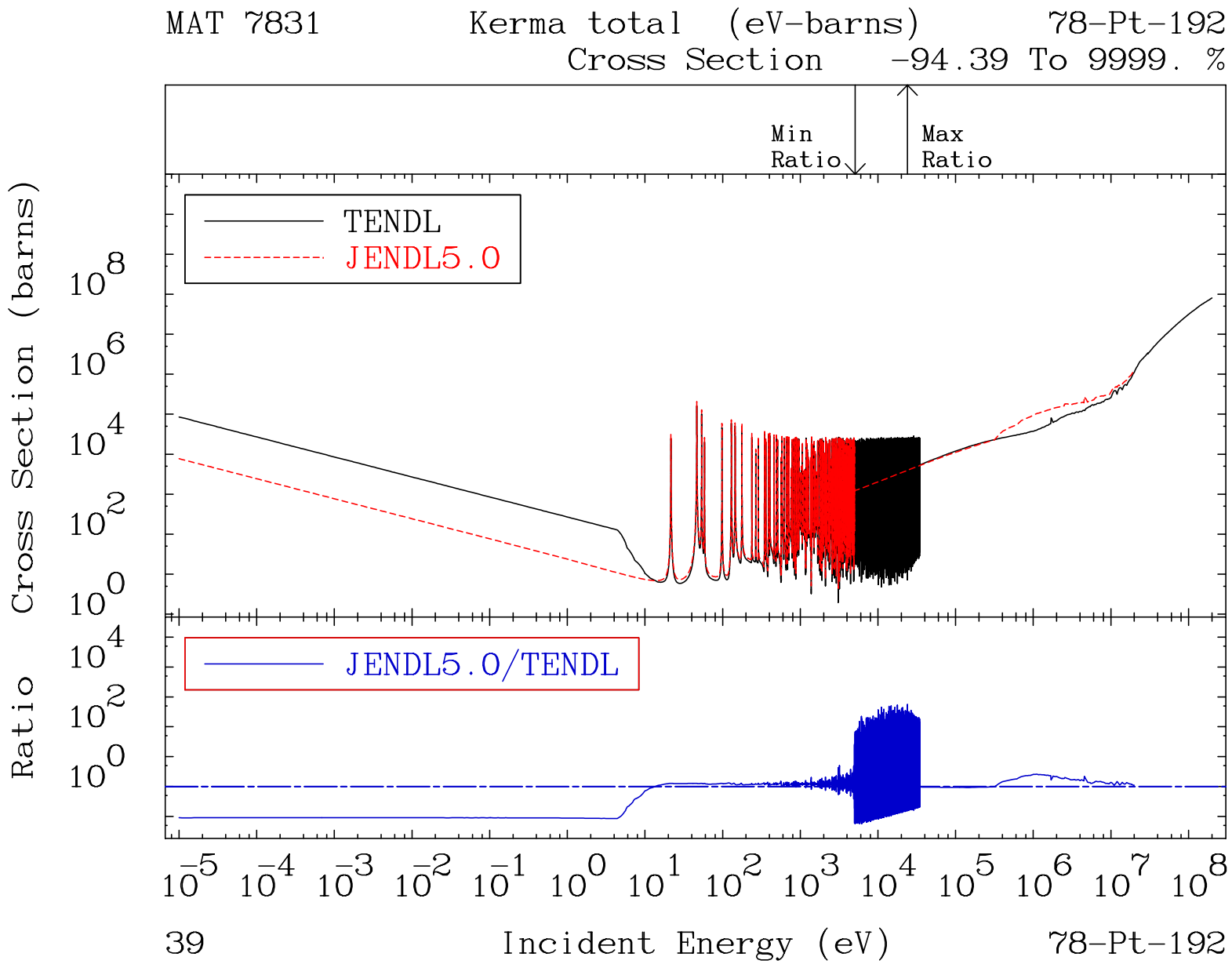

MAT 7831
Hydrogen Production
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 675.72 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
78-Pt-192

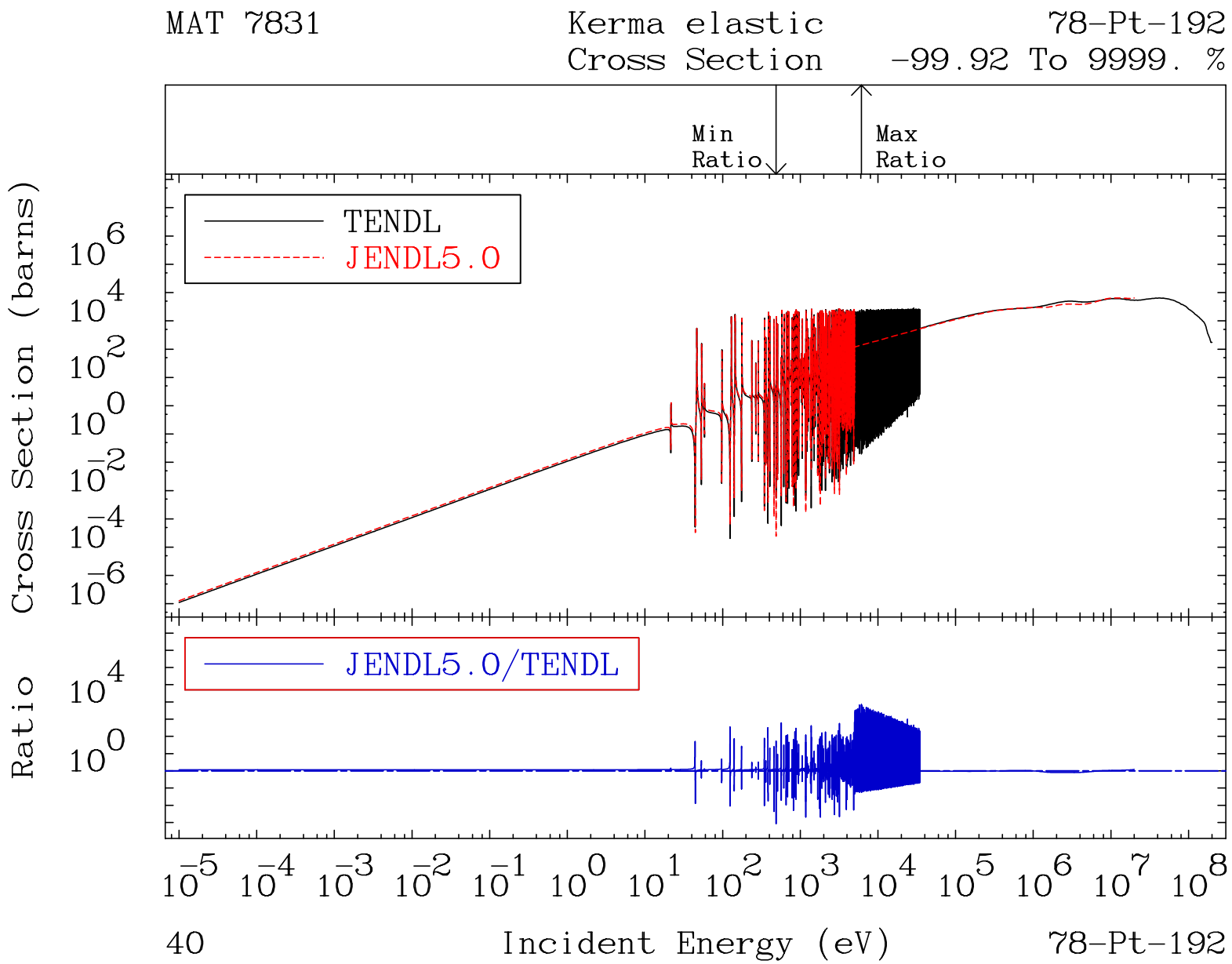

MAT 7831
Deuterium Production
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
JENDL5.0 Threshold 4.6702 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
78-Pt-192

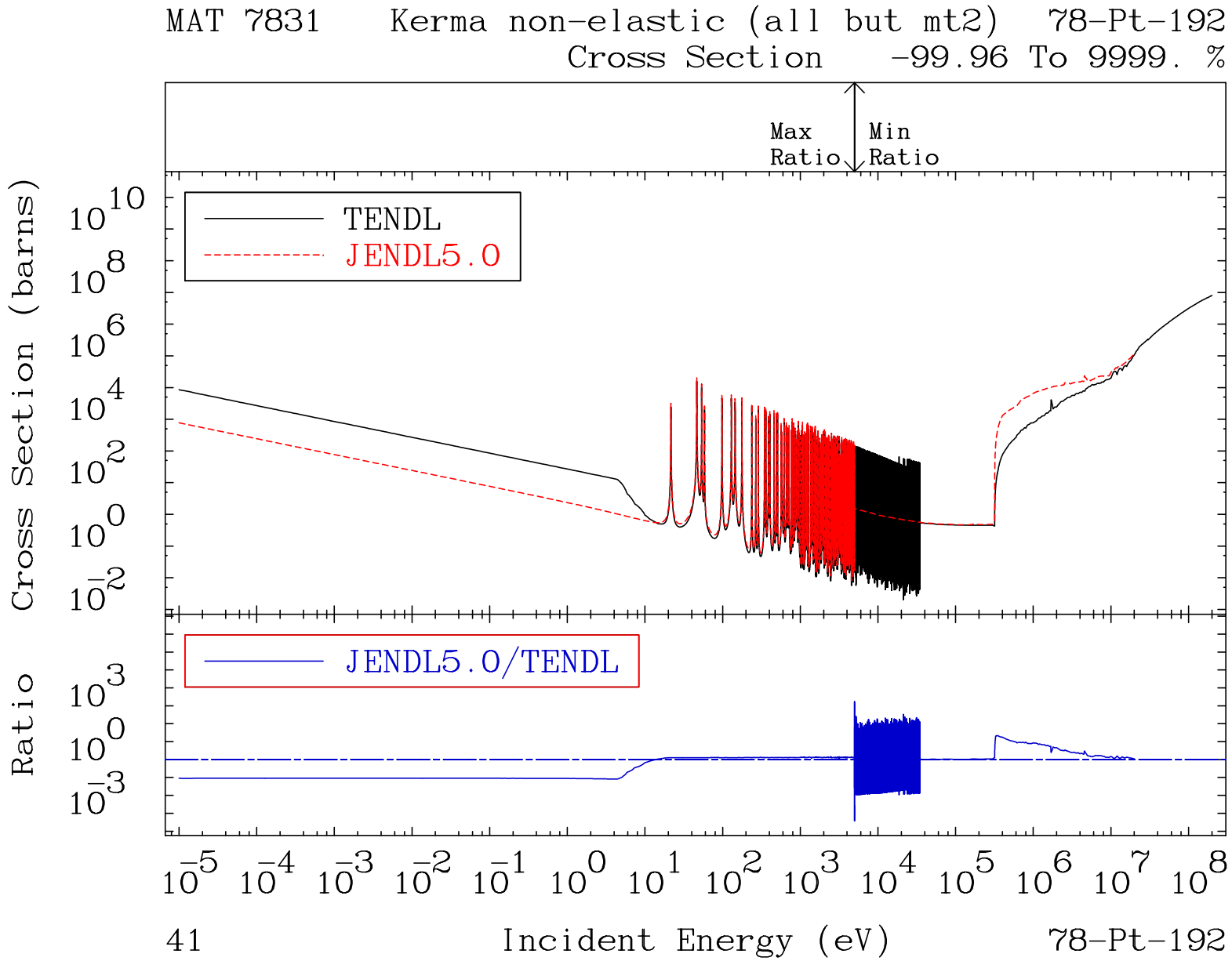

MAT 7831
Tritium Production
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
JENDL5.0 Threshold 6.4488 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
78-Pt-192

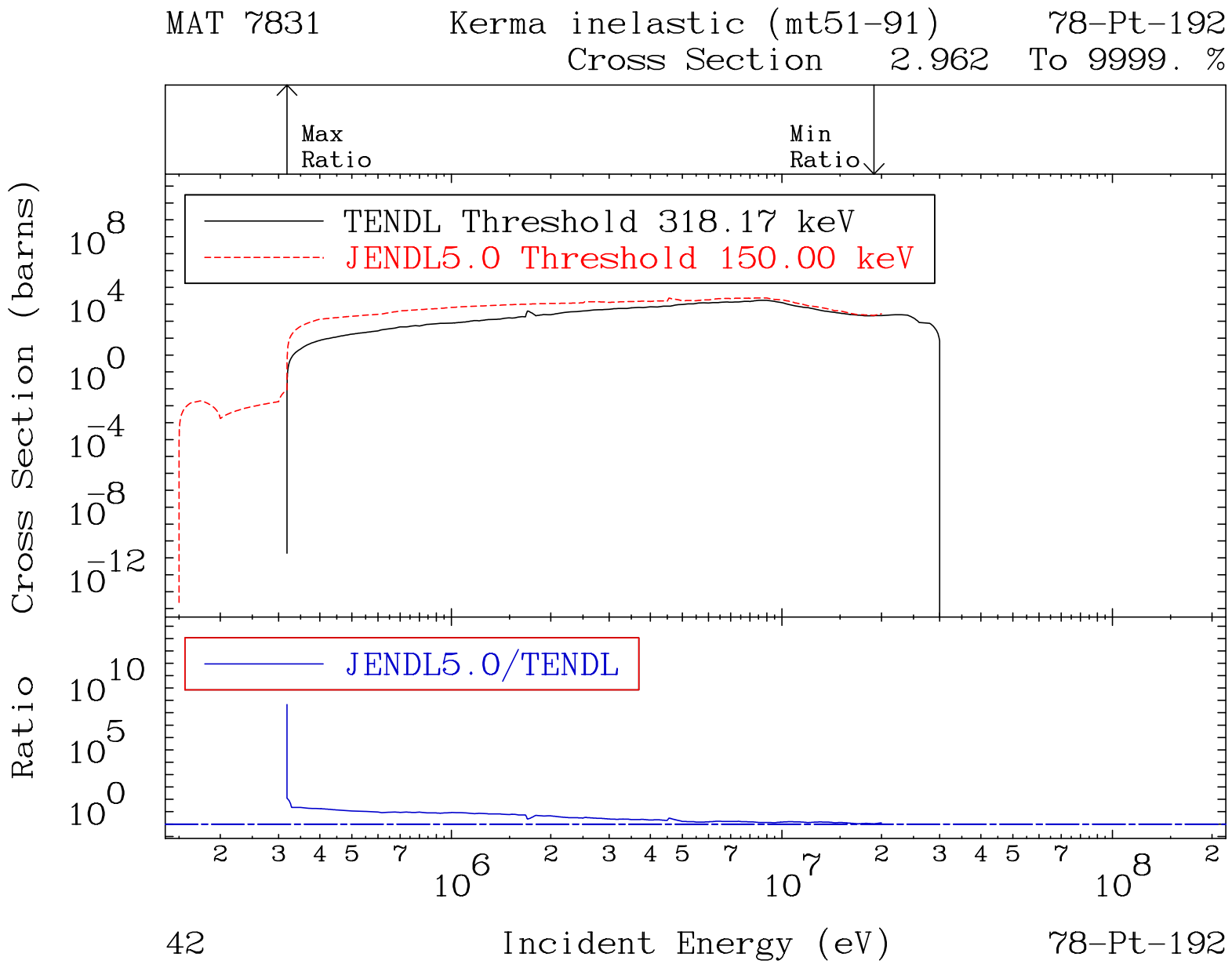

MAT 7831
He-3 Production
Cross Section
78-Pt-192
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
JENDL5.0 Threshold 7.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
78-Pt-192

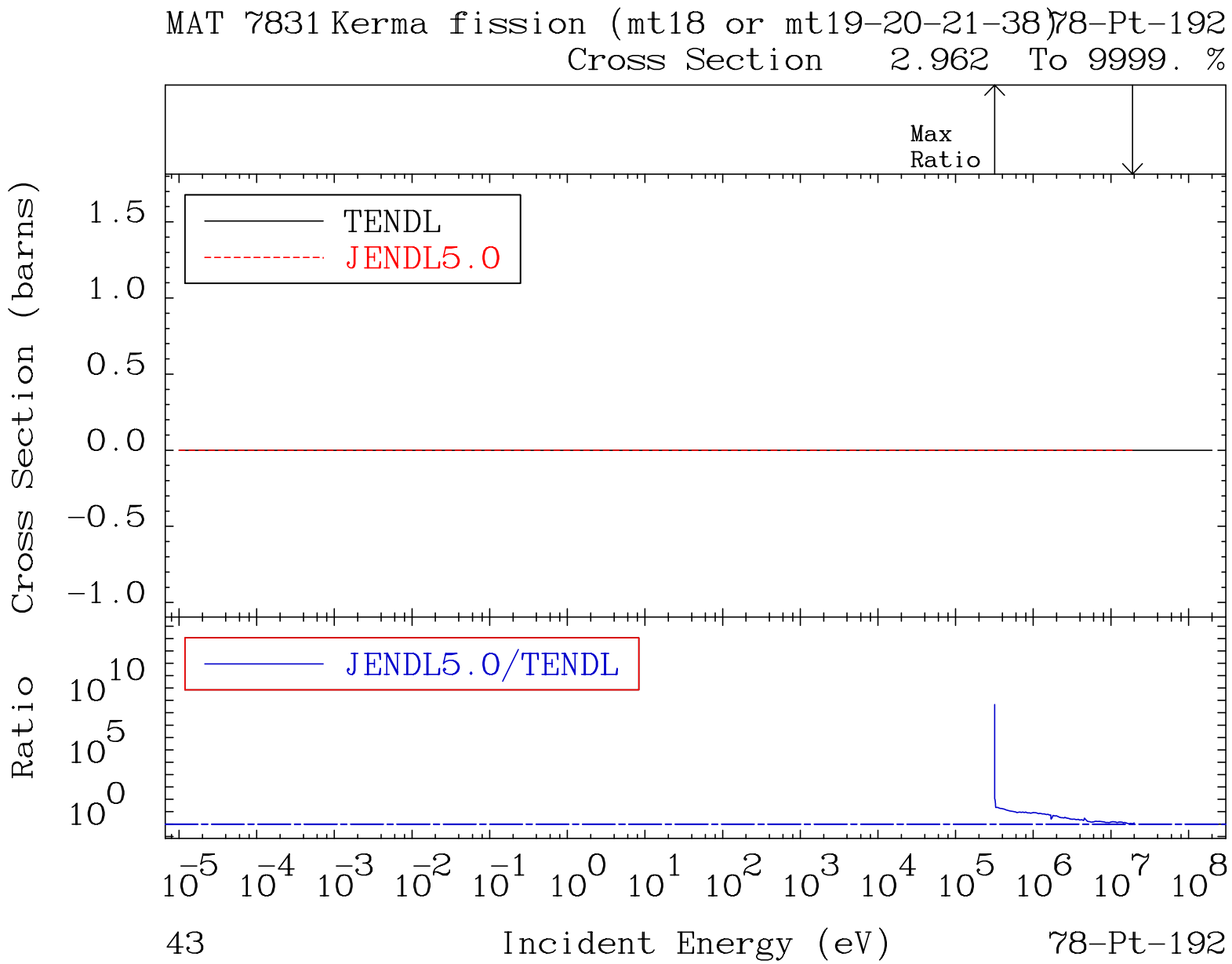

MAT 7831
He-4 Production
Cross Section
78-Pt-192
-99.58 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
78-Pt-192

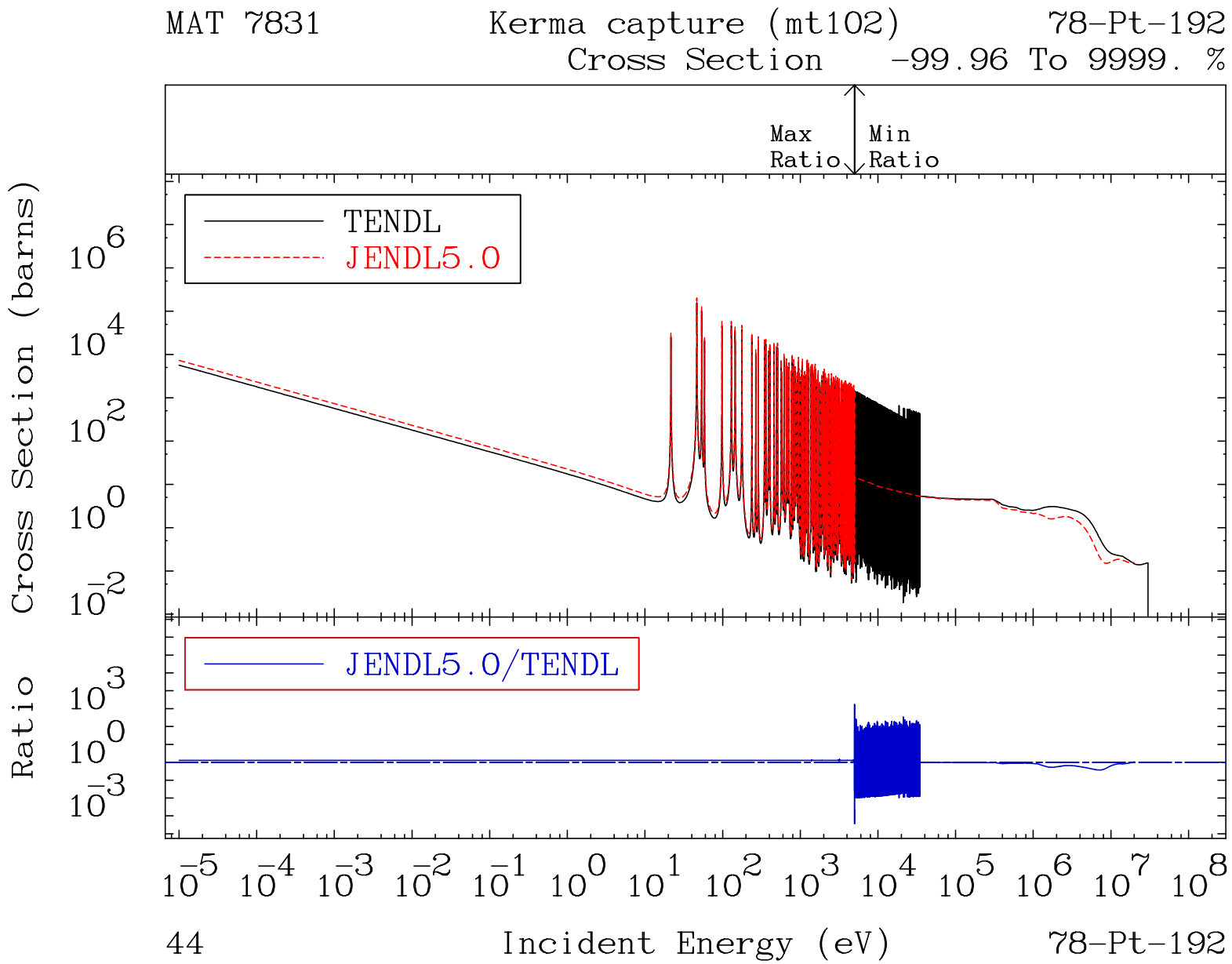

MAT 7831
Kerma total (eV-barns)
78-Pt-192
Cross Section -94.39 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
78-Pt-192

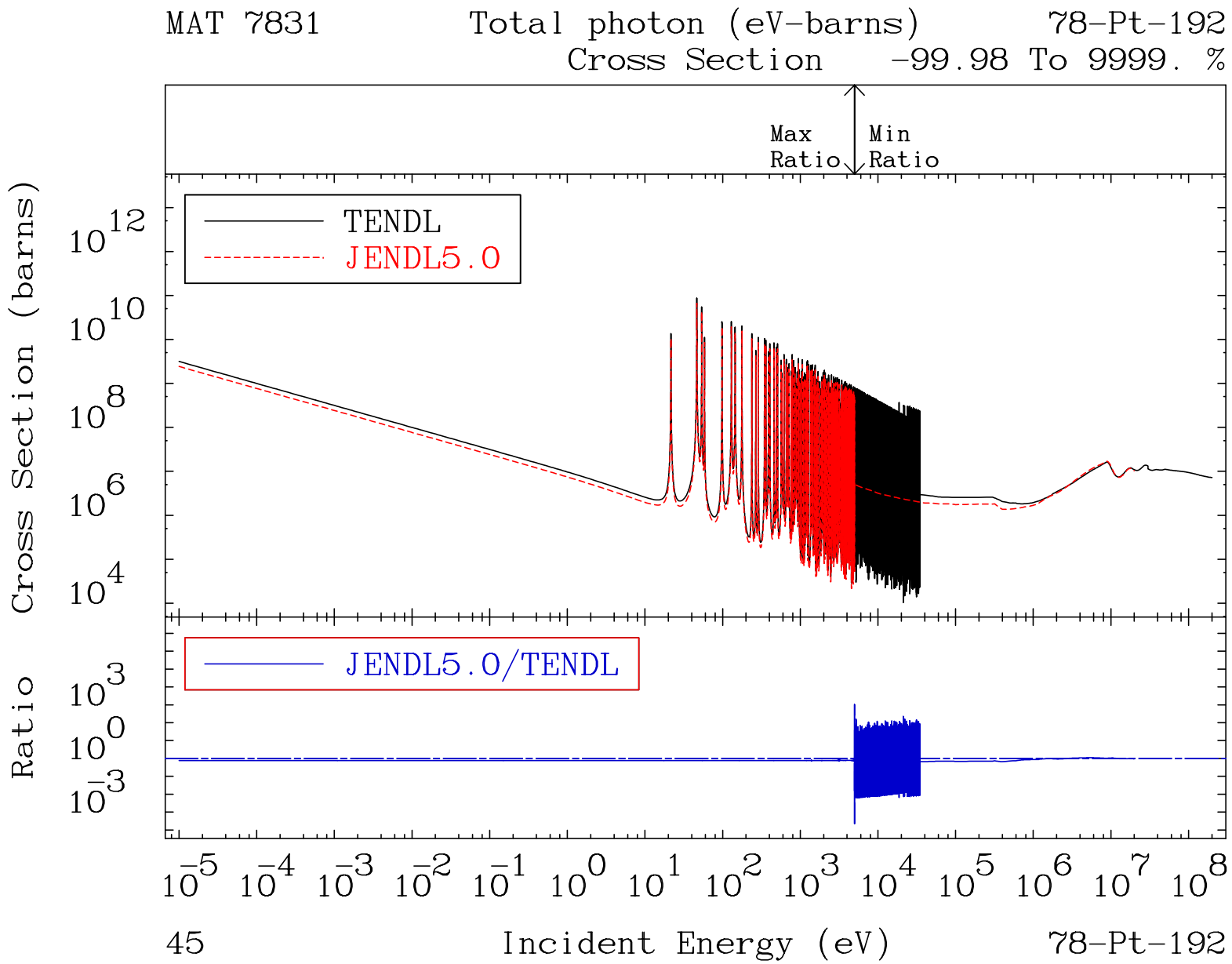

MAT 7831
Kerma elastic
Cross Section
78-Pt-192
-99.92 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
78-Pt-192

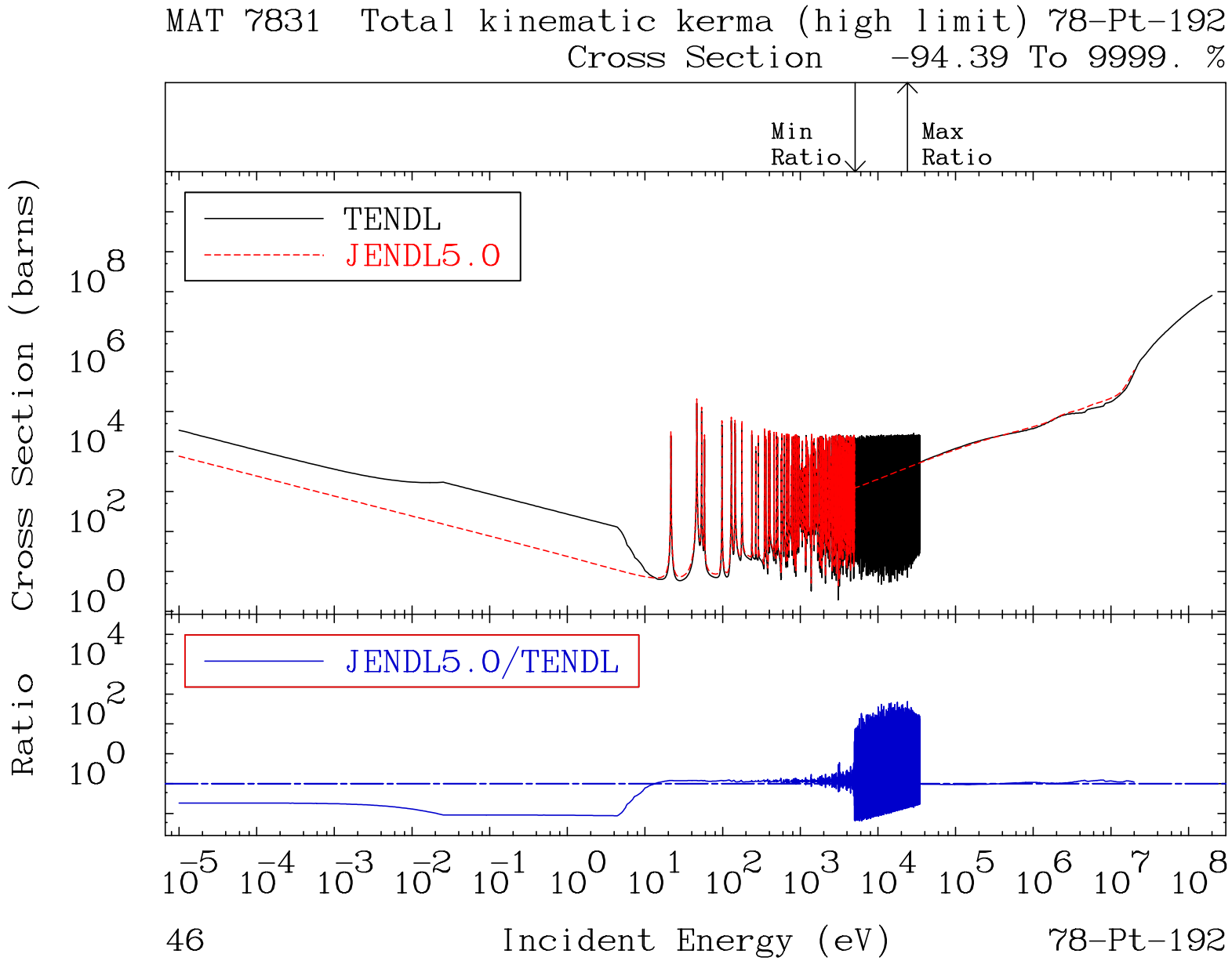

MAT 7831 Kerma non-elastic (all but mt2) 78-Pt-192
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
78-Pt-192

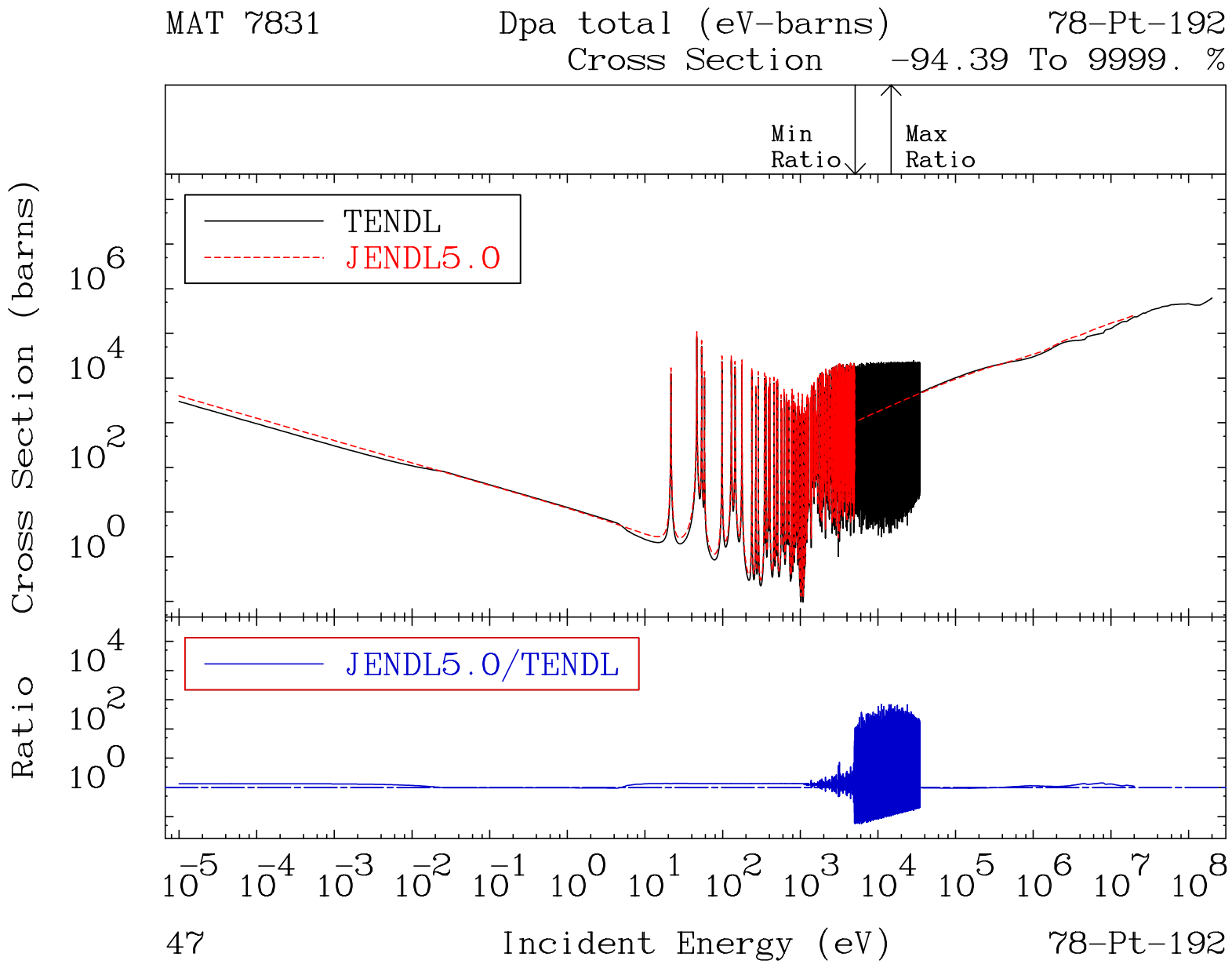

MAT 7831
Kerma inelastic (mt51-91)
78-Pt-192
Cross Section 2.962 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 318.17 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
78-Pt-192

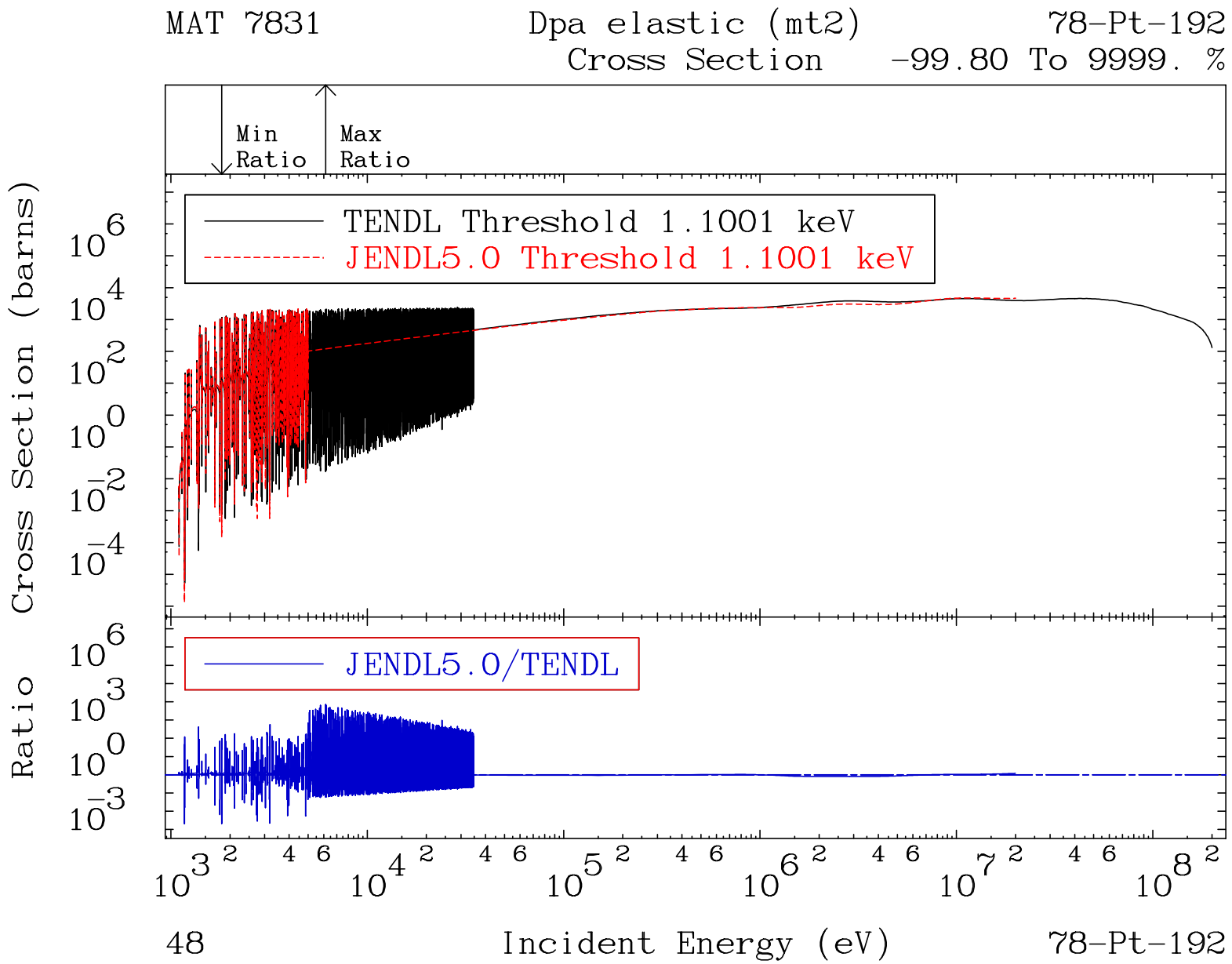

MAT 7831 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-192
Cross Section 2.962 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
43
Incident Energy (eV)
78-Pt-192

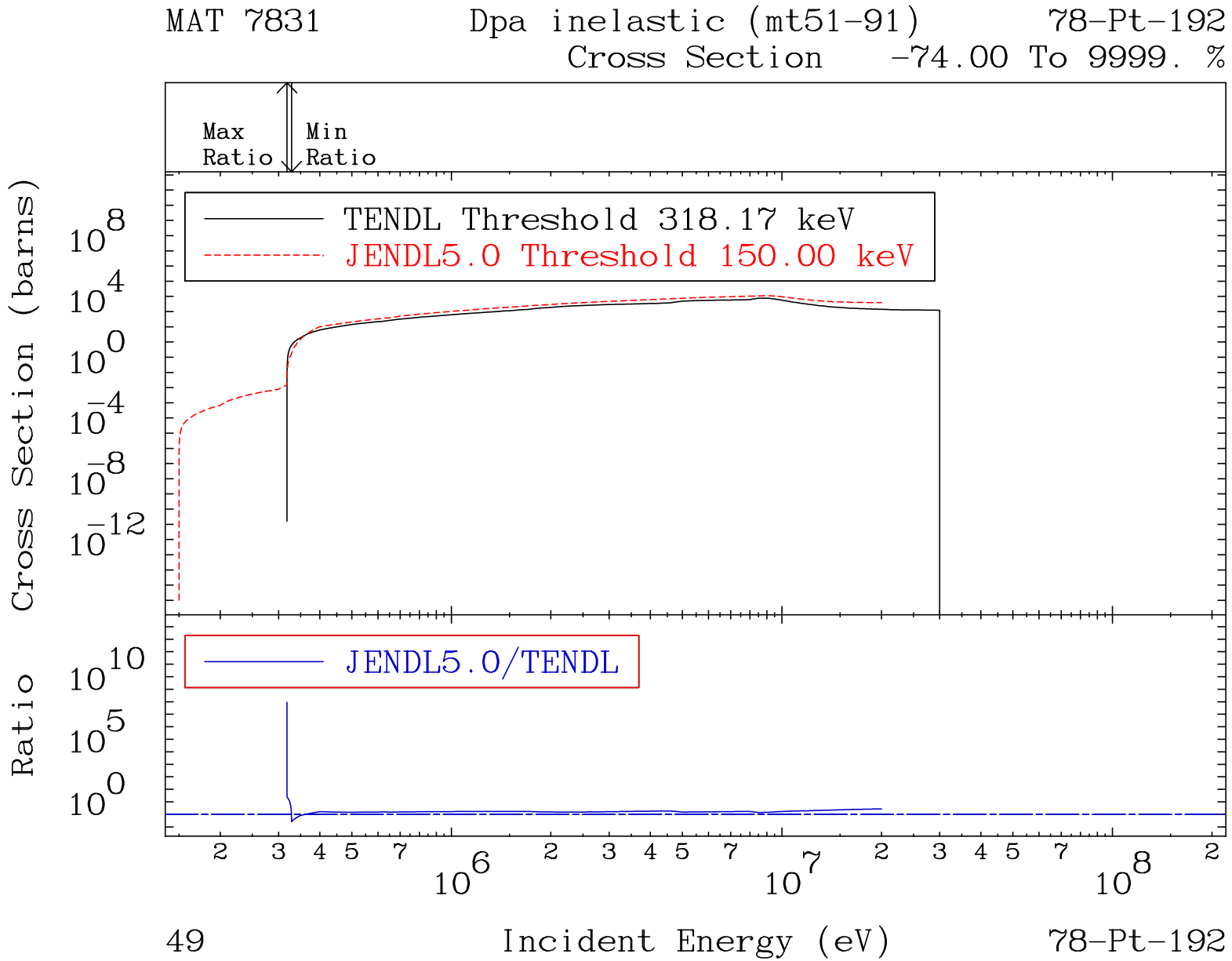

MAT 7831
Kerma capture (mt102)
78-Pt-192
Cross Section
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
78-Pt-192

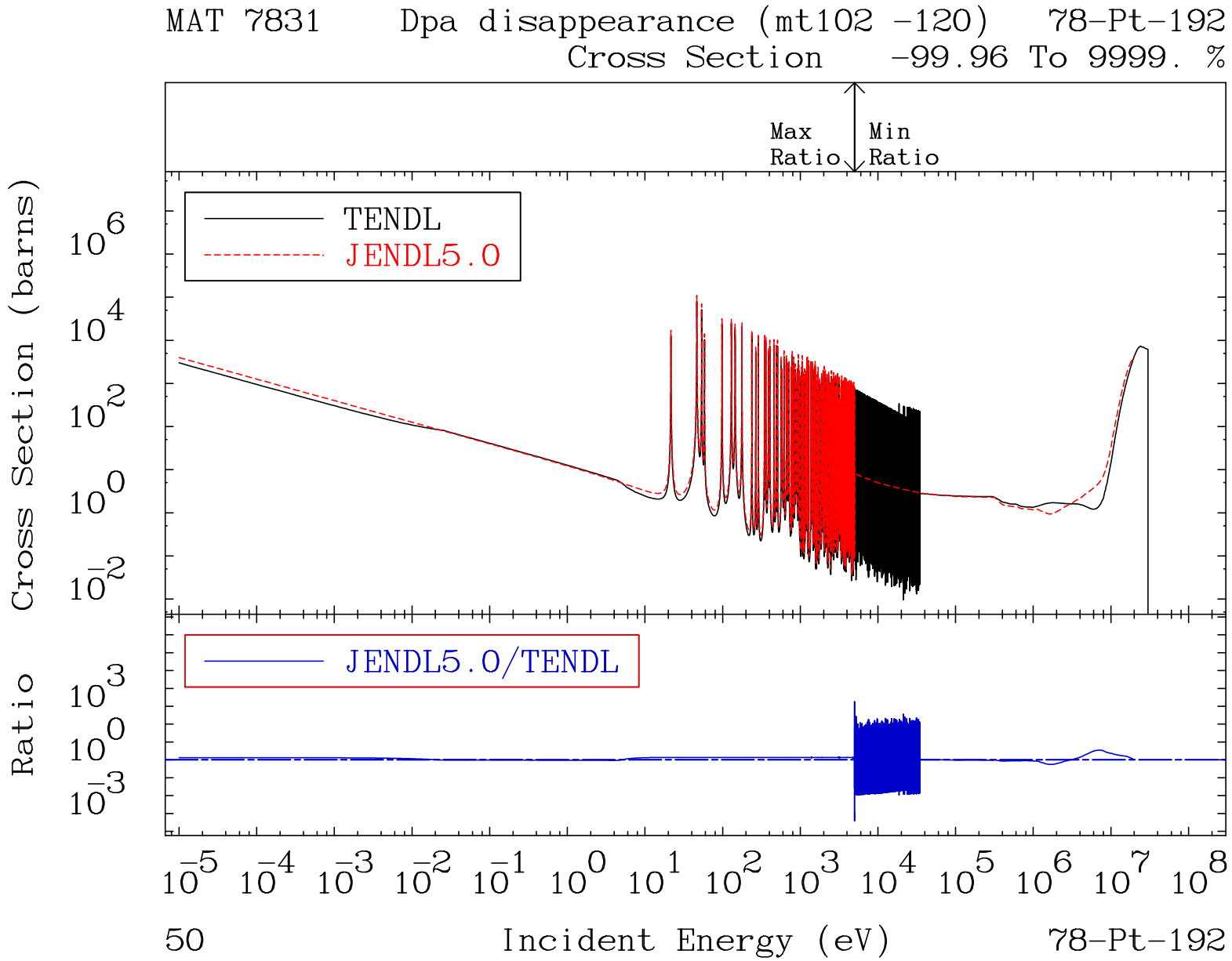

MAT 7831
Total photon (eV-barns)
78-Pt-192
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
78-Pt-192

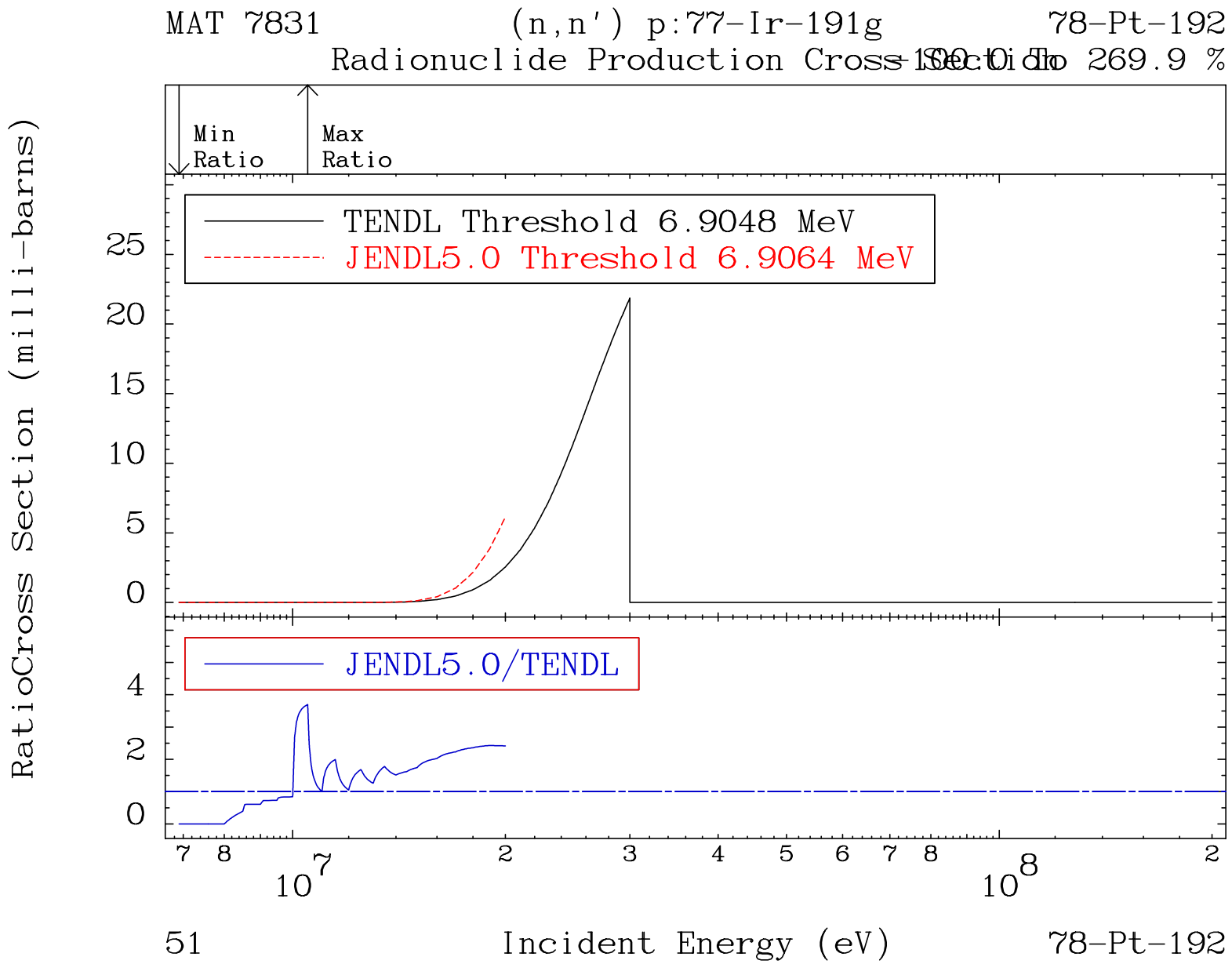

MAT 7831 Total kinematic kerma (high limit) 78-Pt-192
Cross Section -94.39 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
78-Pt-192

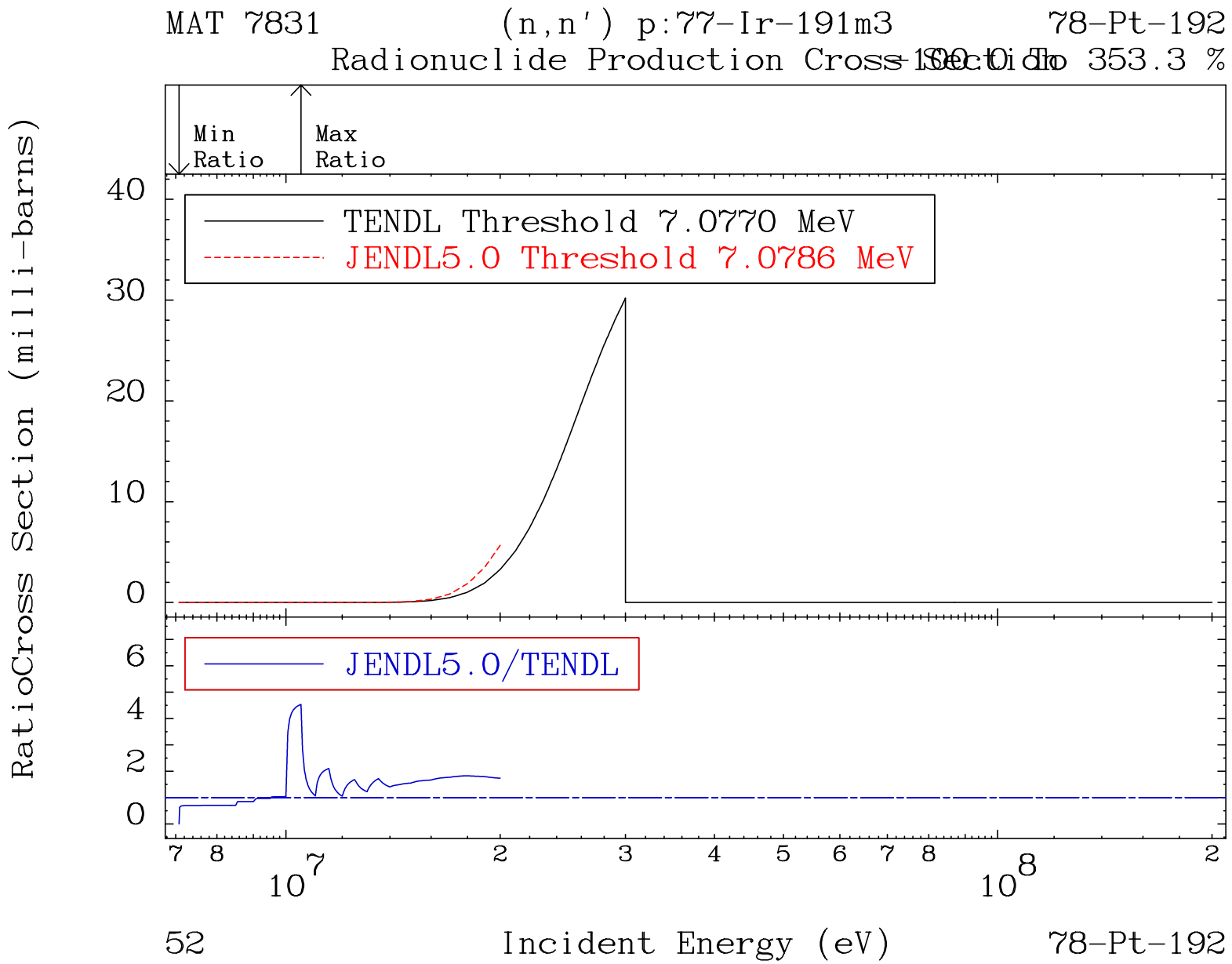

MAT 7831
Dpa total (eV-barns)
78-Pt-192
Cross Section
-94.39 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
78-Pt-192

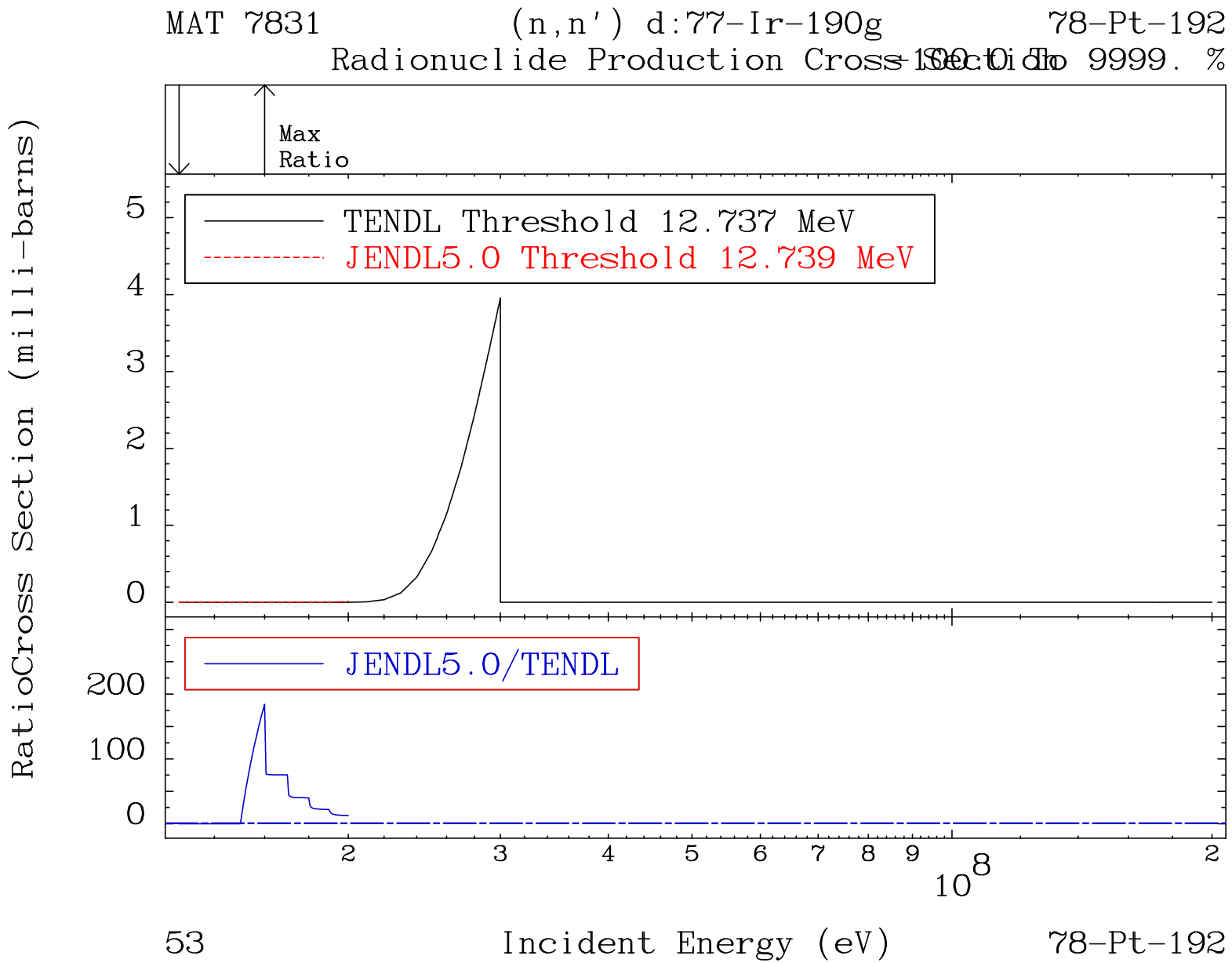

MAT 7831
Dpa elastic (mt2)
Cross Section
78-Pt-192
-99.80 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1001 keV
JENDL5.0 Threshold 1.1001 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
78-Pt-192

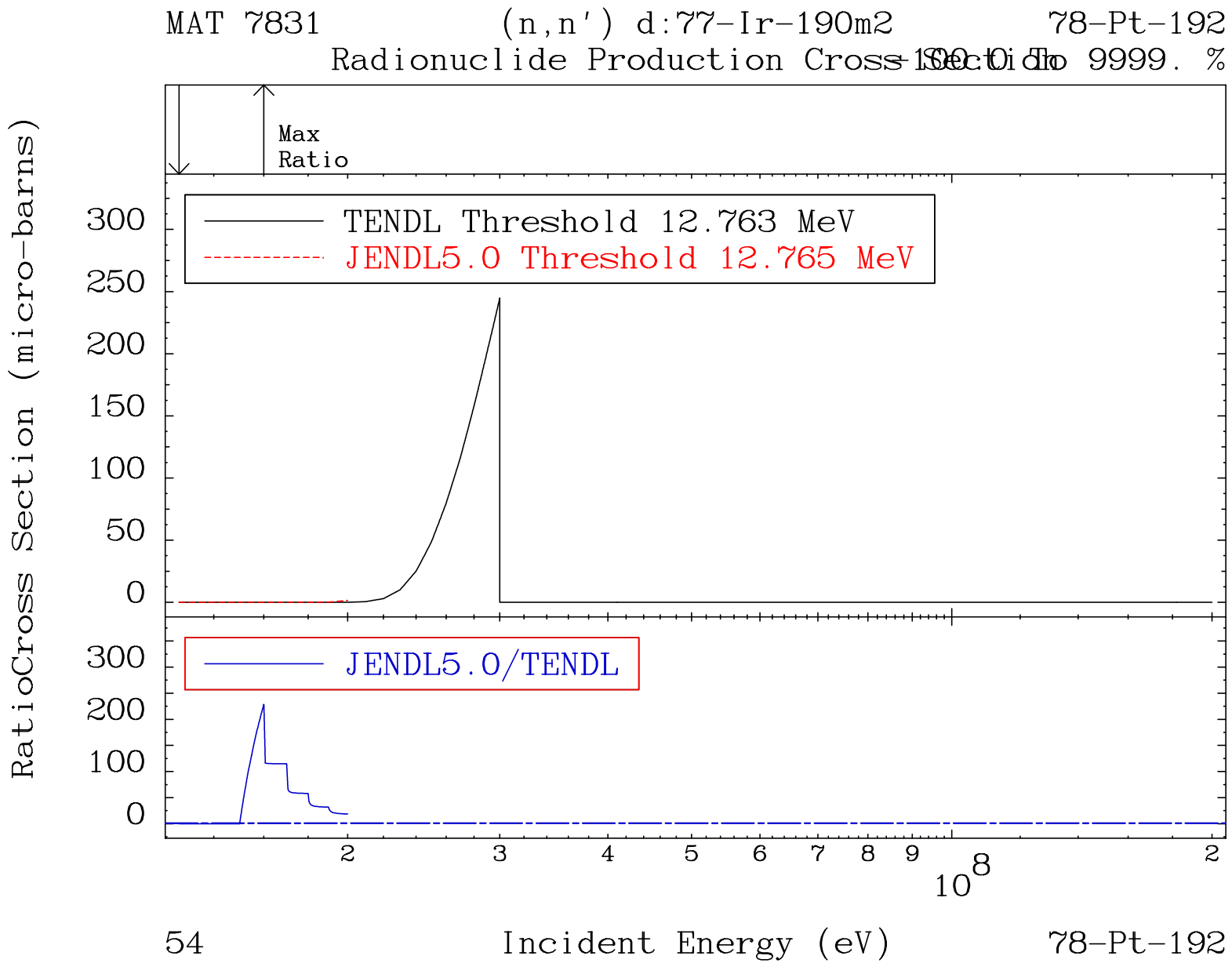

MAT 7831
Dpa inelastic (mt51-91)
78-Pt-192
Cross Section
-74.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 318.17 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
78-Pt-192

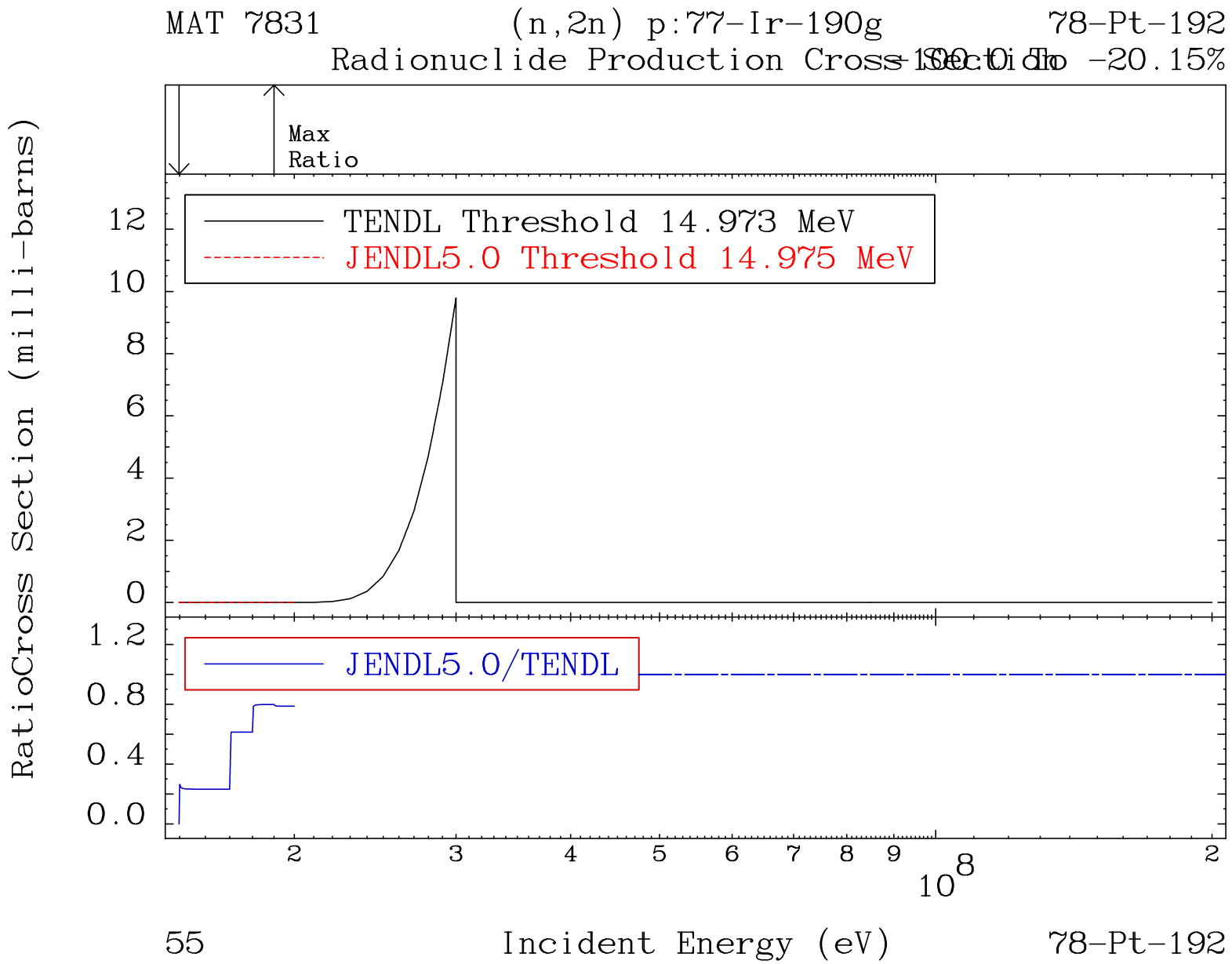

MAT 7831 Dpa disappearance (mt102 -120) 78-Pt-192
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
78-Pt-192

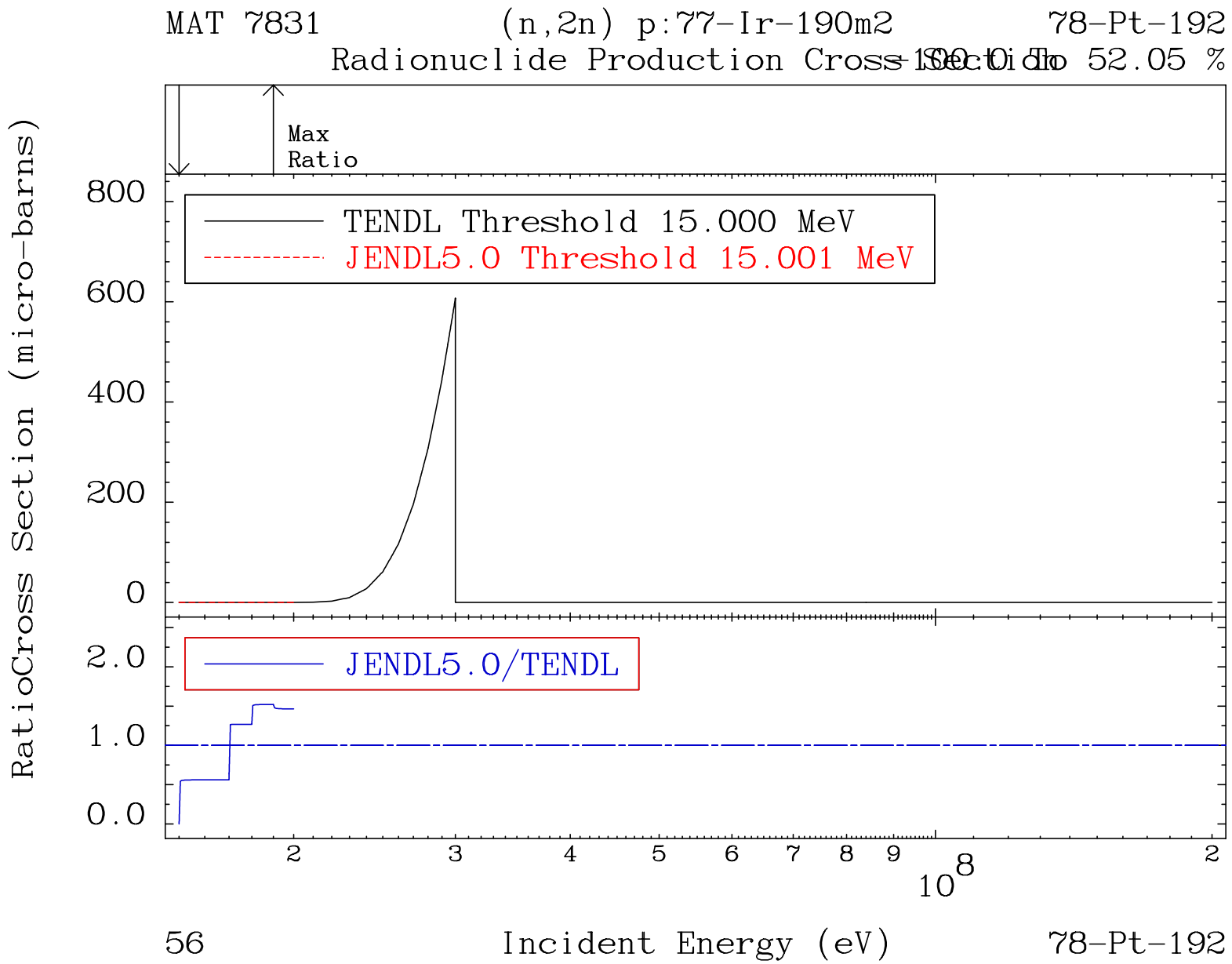

MAT 7831
(n,n') p:77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.9048 MeV
JENDL5.0 Threshold 6.9064 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
78-Pt-192

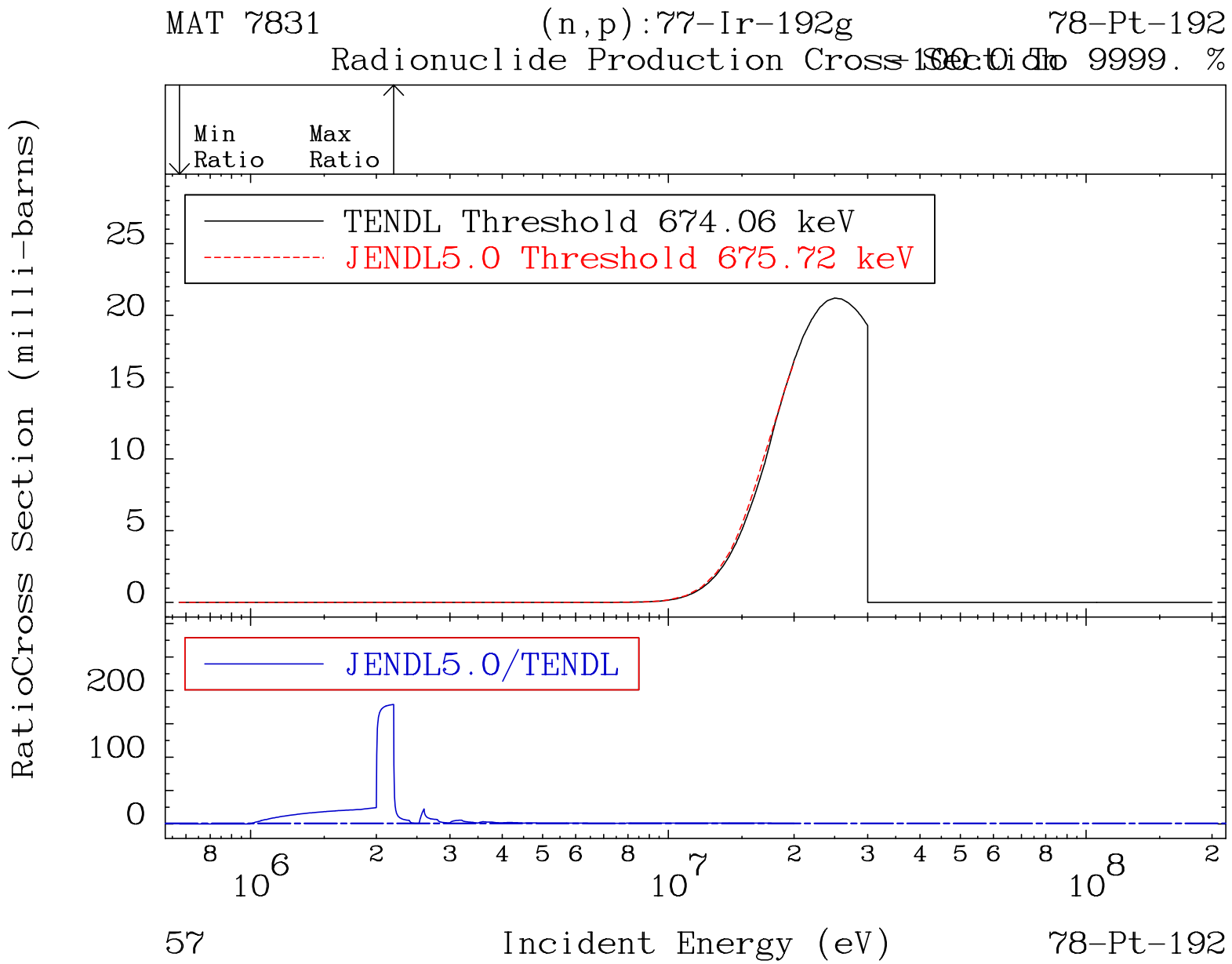

MAT 7831
(n,n') p:77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section To 353.3 %
Min Ratio
Max Ratio
TENDL Threshold 7.0770 MeV
JENDL5.0 Threshold 7.0786 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52
78-Pt-192

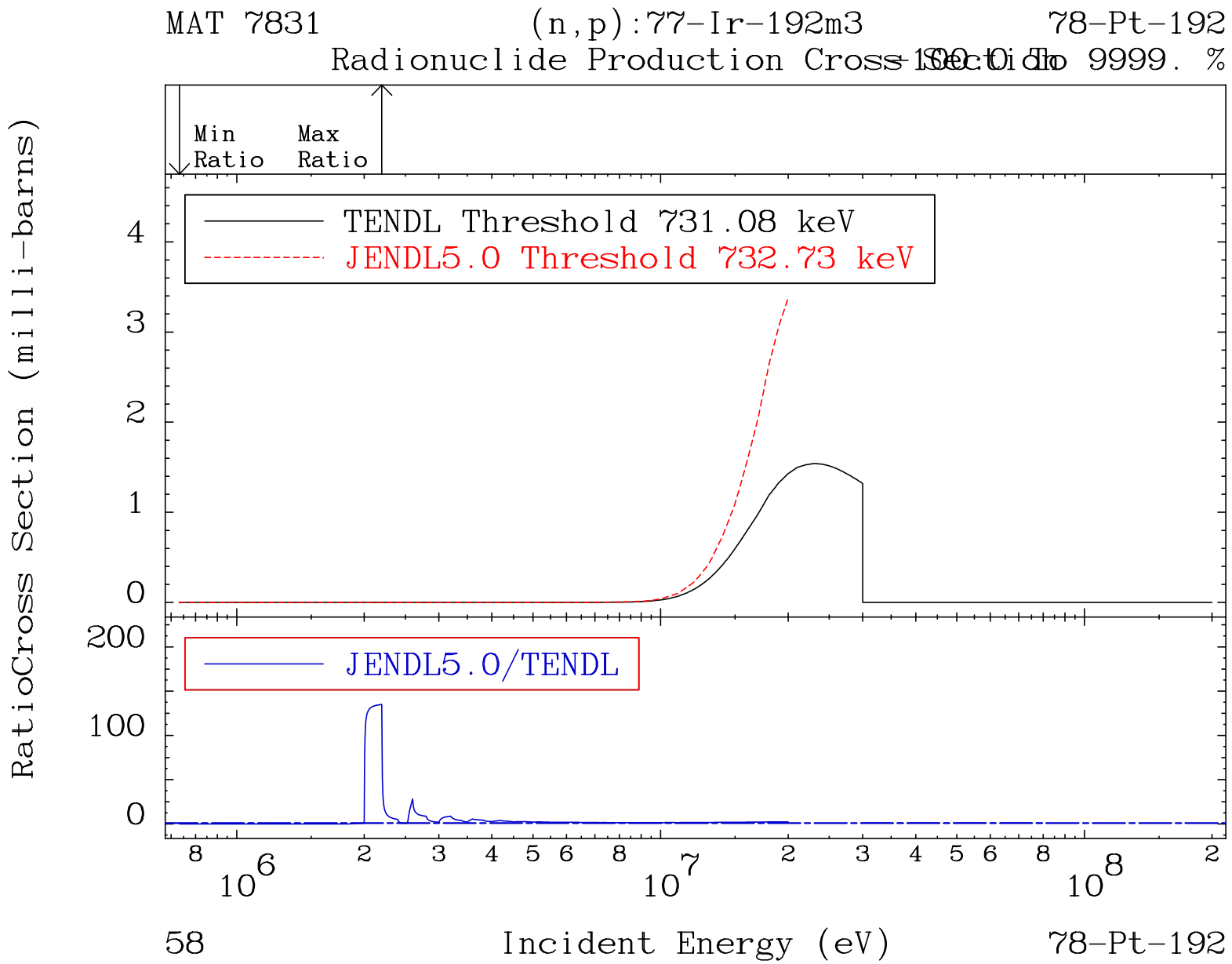

MAT 7831
(n,n') d:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 12.737 MeV
JENDL5.0 Threshold 12.739 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
5
4
3
2
1
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
78-Pt-192

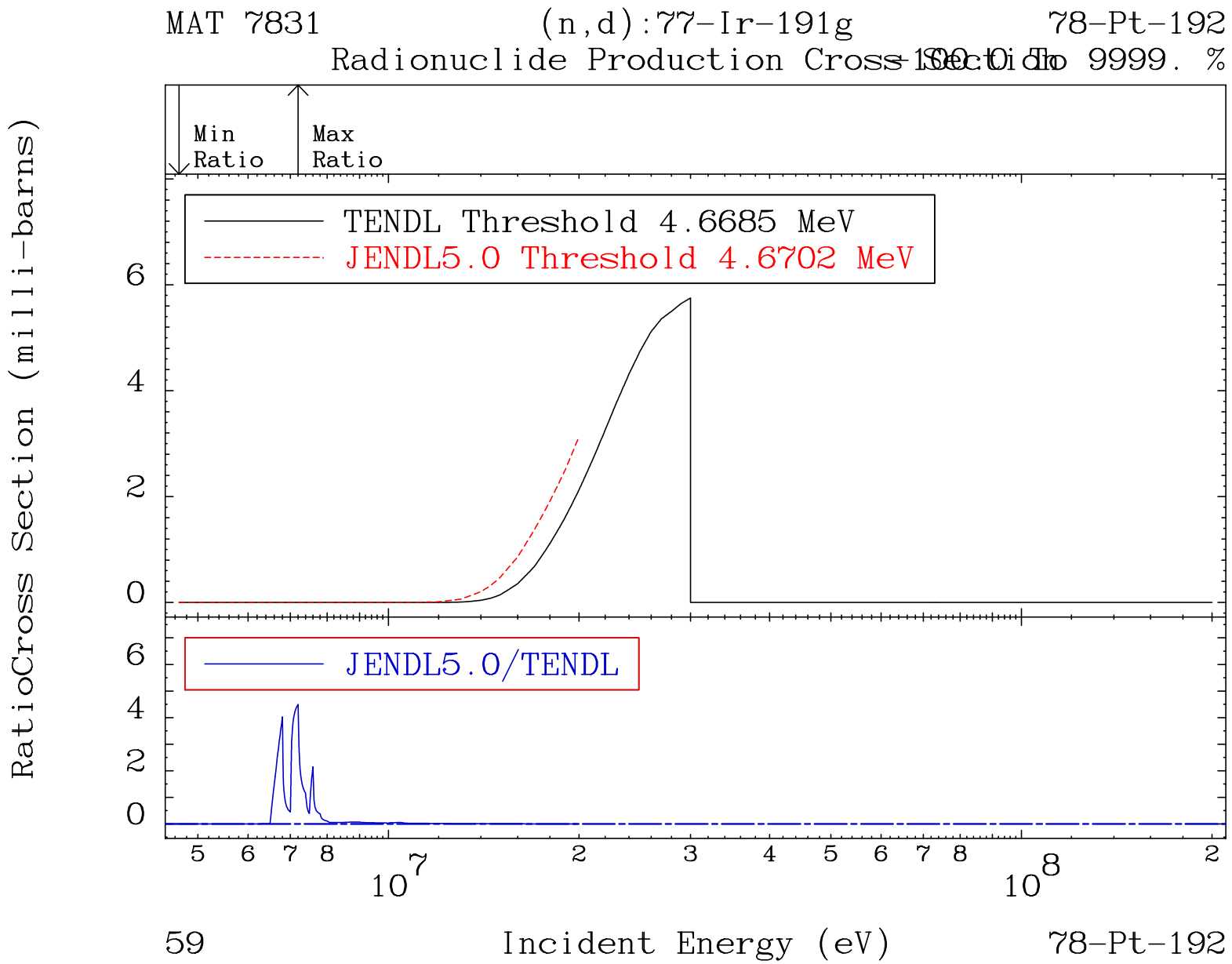

MAT 7831 (n,n') d:77-Ir-190m2 78-Pt-192
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 12.763 MeV
JENDL5.0 Threshold 12.765 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
78-Pt-192

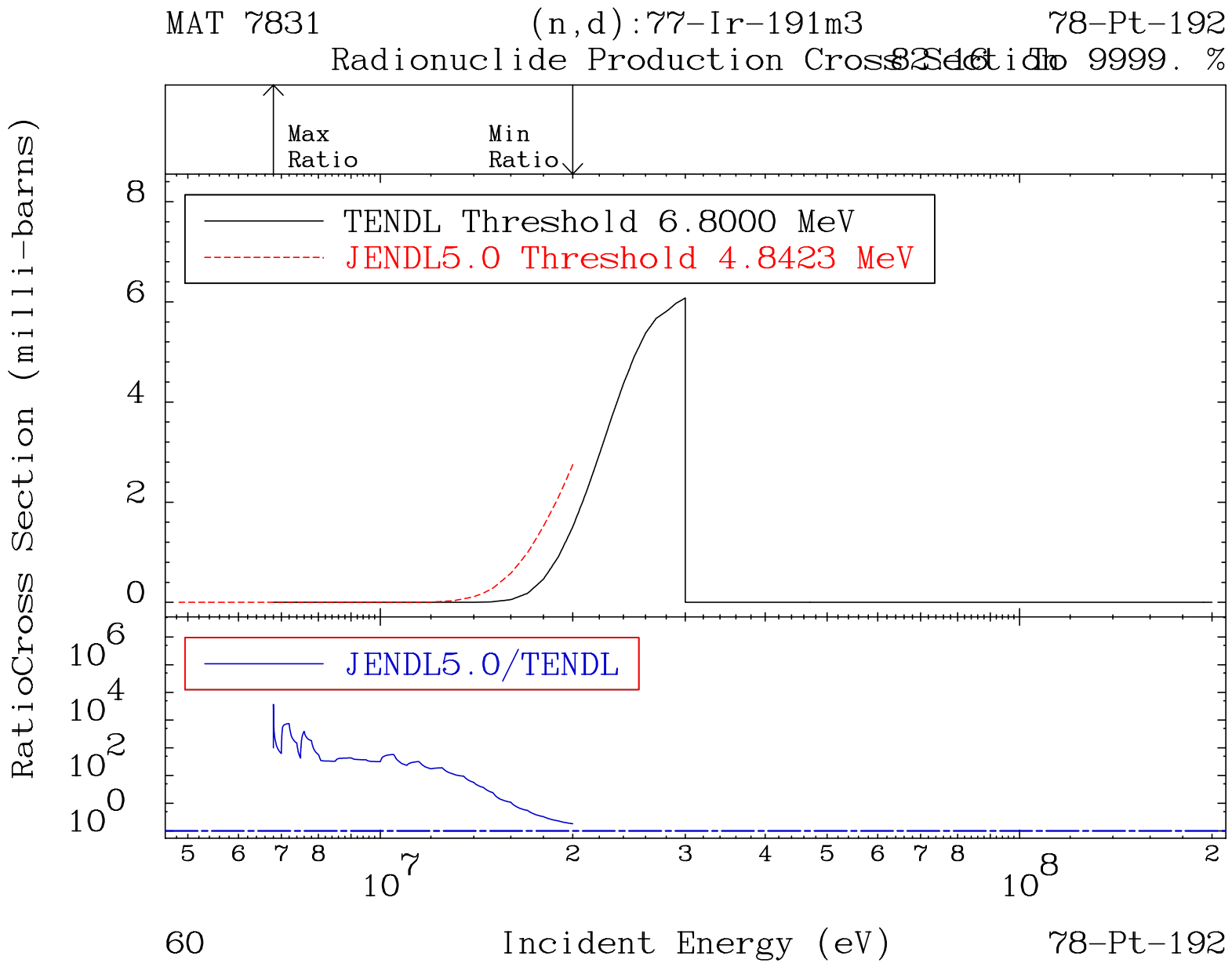

MAT 7831
(n,2n) p:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section
-20.15%
Max
Ratio
TENDL Threshold 14.973 MeV
JENDL5.0 Threshold 14.975 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
78-Pt-192

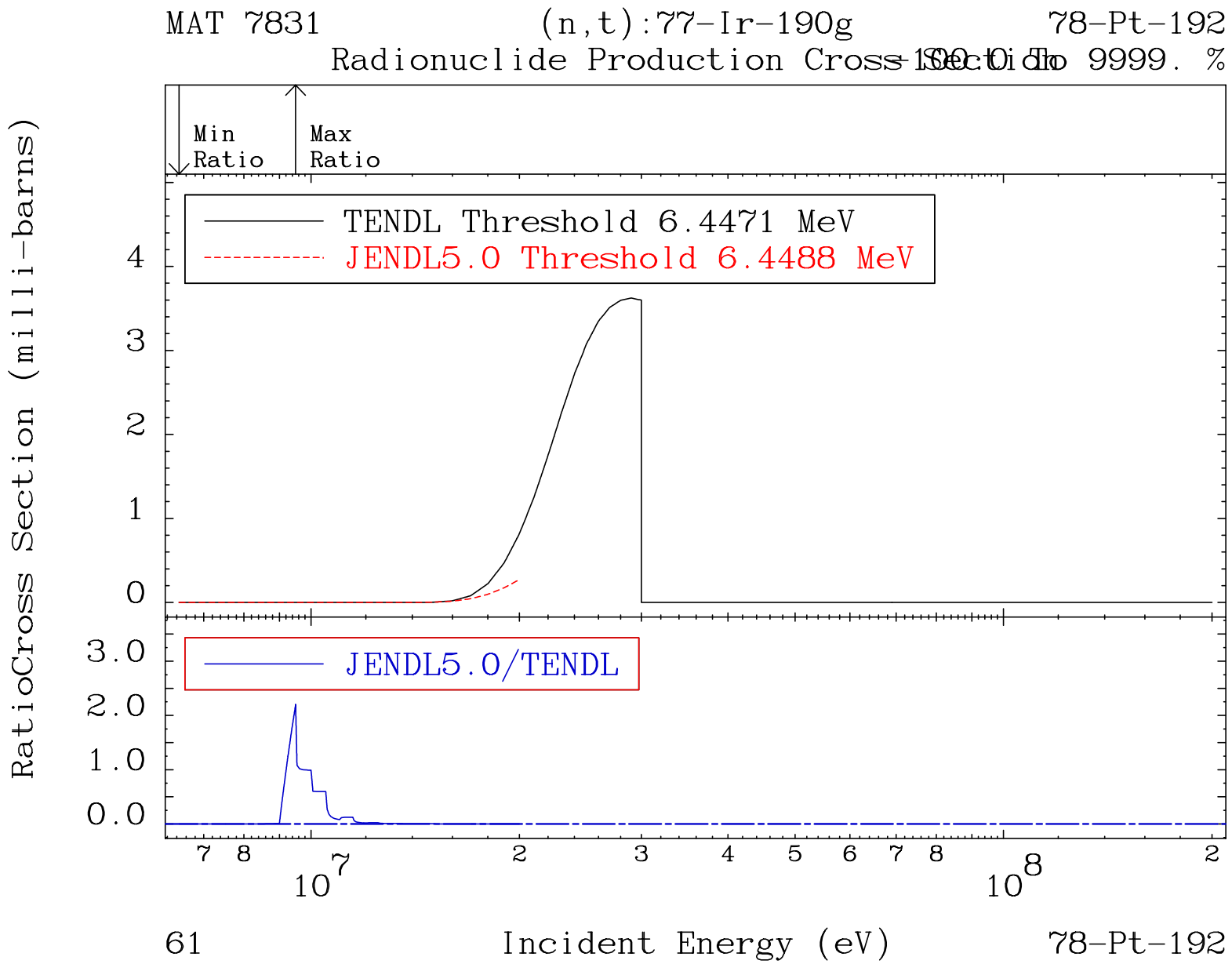

MAT 7831
(n,2n) p:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 52.05 %
Max
Ratio
800
600
400
200
0
TENDL Threshold 15.000 MeV
JENDL5.0 Threshold 15.001 MeV
2.0
1.0
0.0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
56
Incident Energy (eV)
78-Pt-192

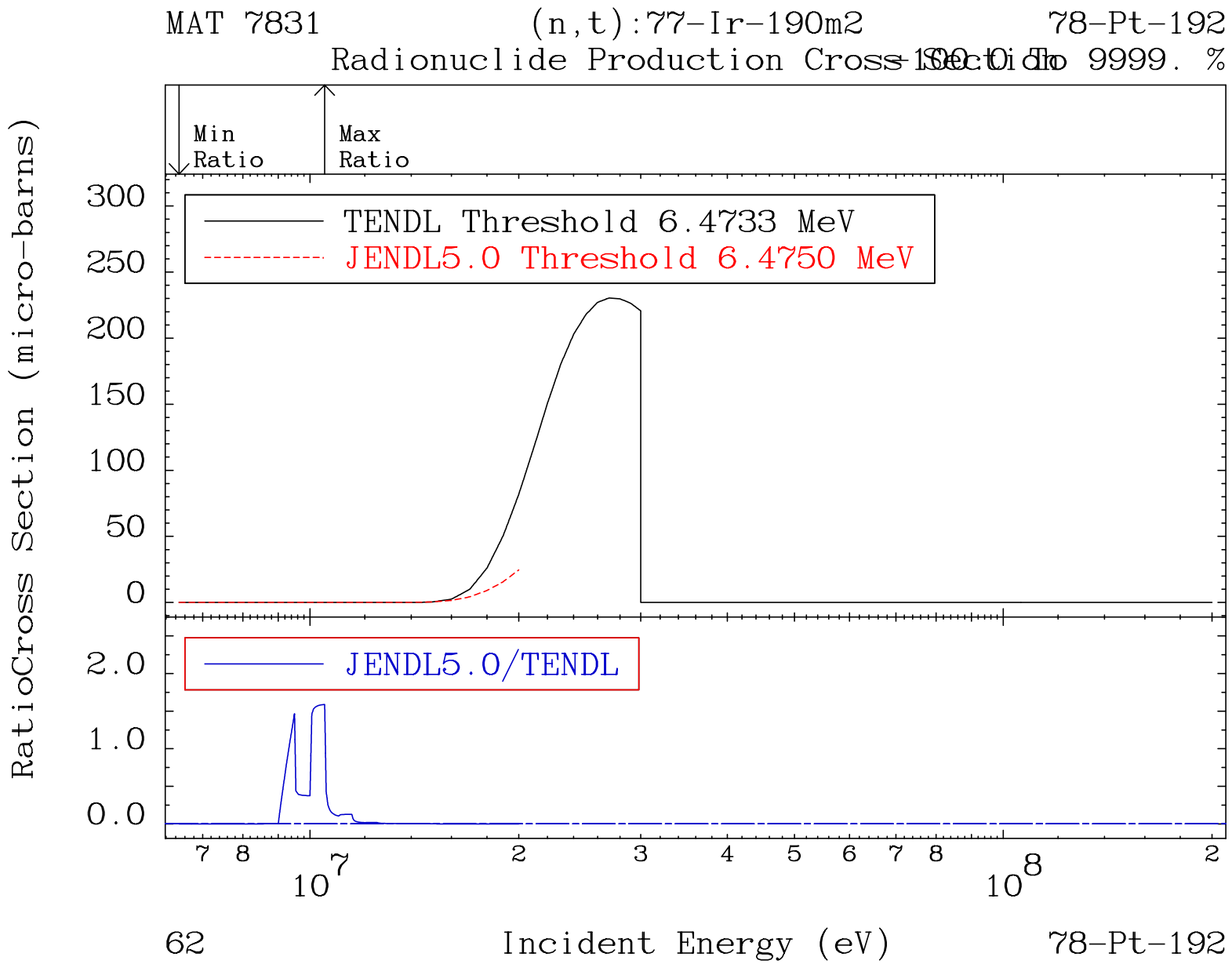

MAT 7831
(n,p):77-Ir-192g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 674.06 keV
JENDL5.0 Threshold 675.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
78-Pt-192

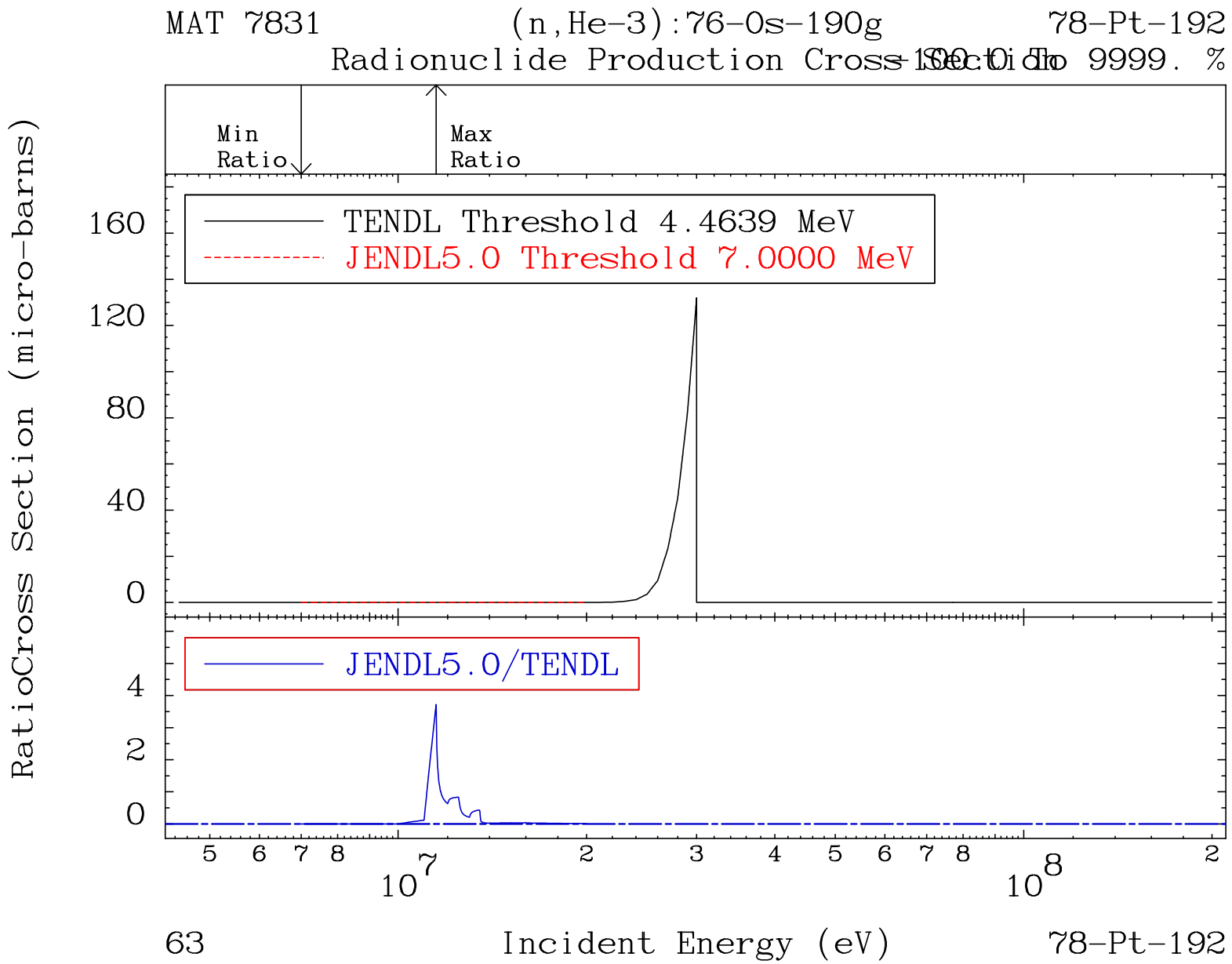

MAT 7831
(n,p):77-Ir-192m3
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 731.08 keV
JENDL5.0 Threshold 732.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
78-Pt-192

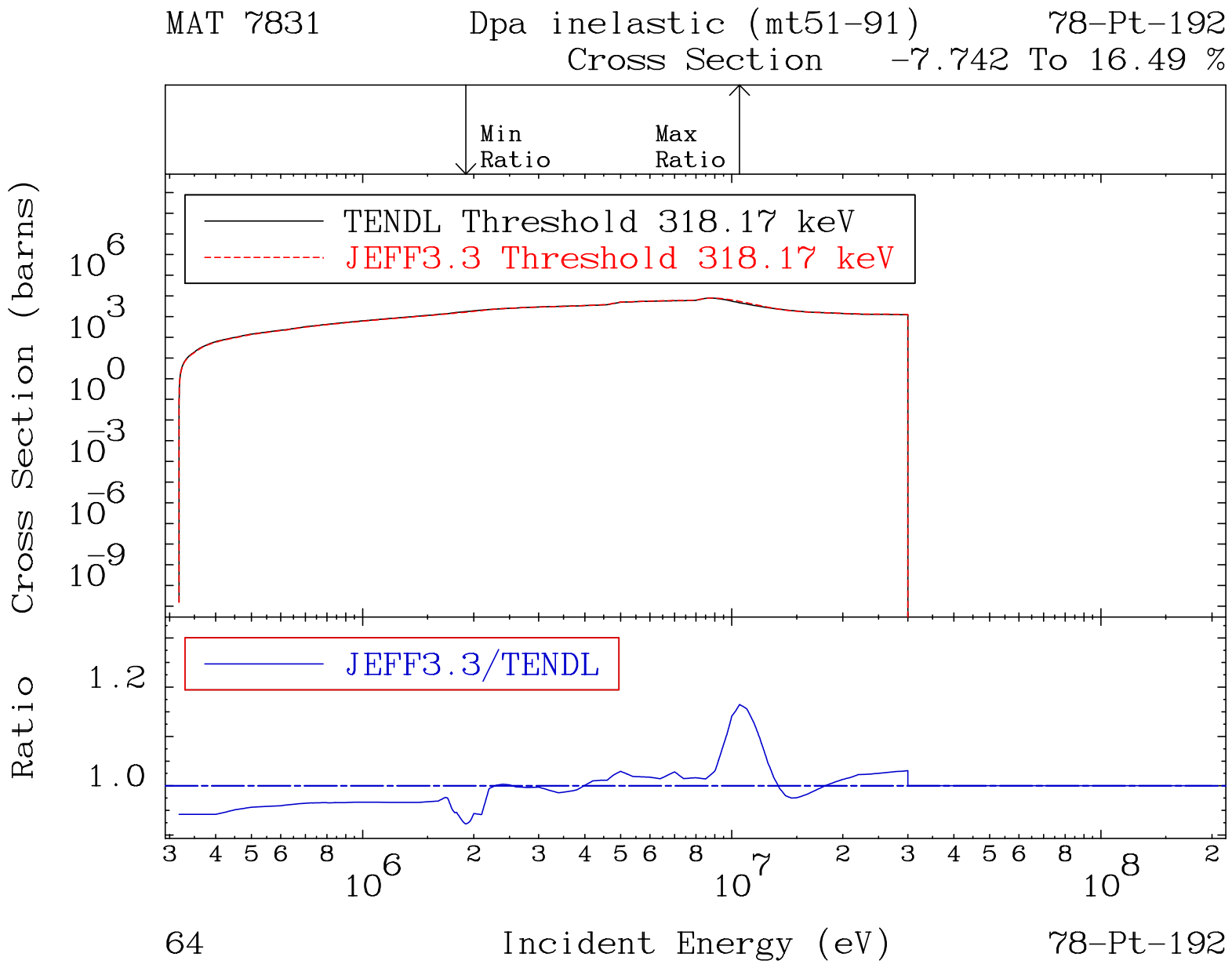

MAT 7831
(n,d):77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section
190.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
JENDL5.0 Threshold 4.6702 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
78-Pt-192

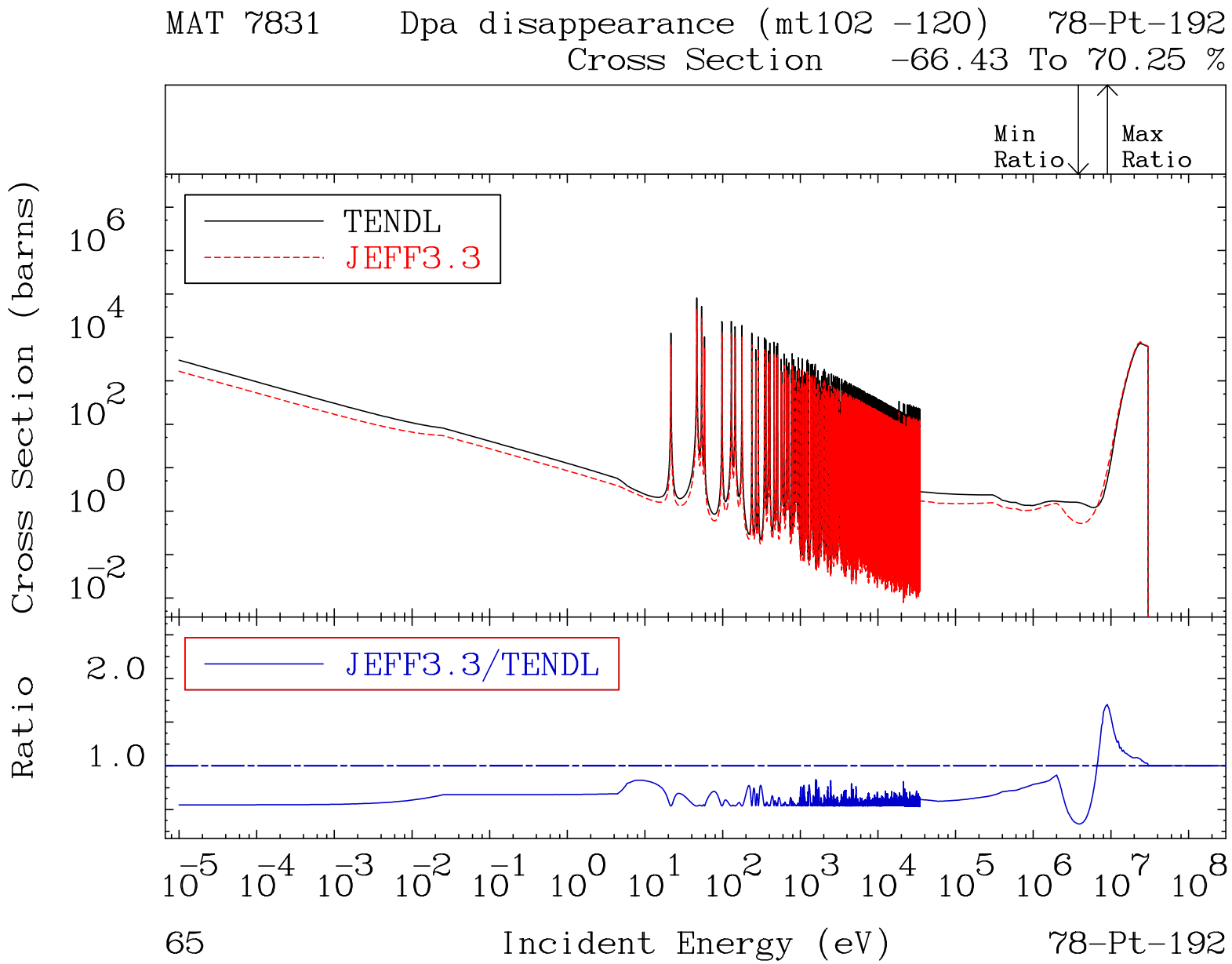

MAT 7831
(n,d):77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8000 MeV
JENDL5.0 Threshold 4.8423 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
78-Pt-192

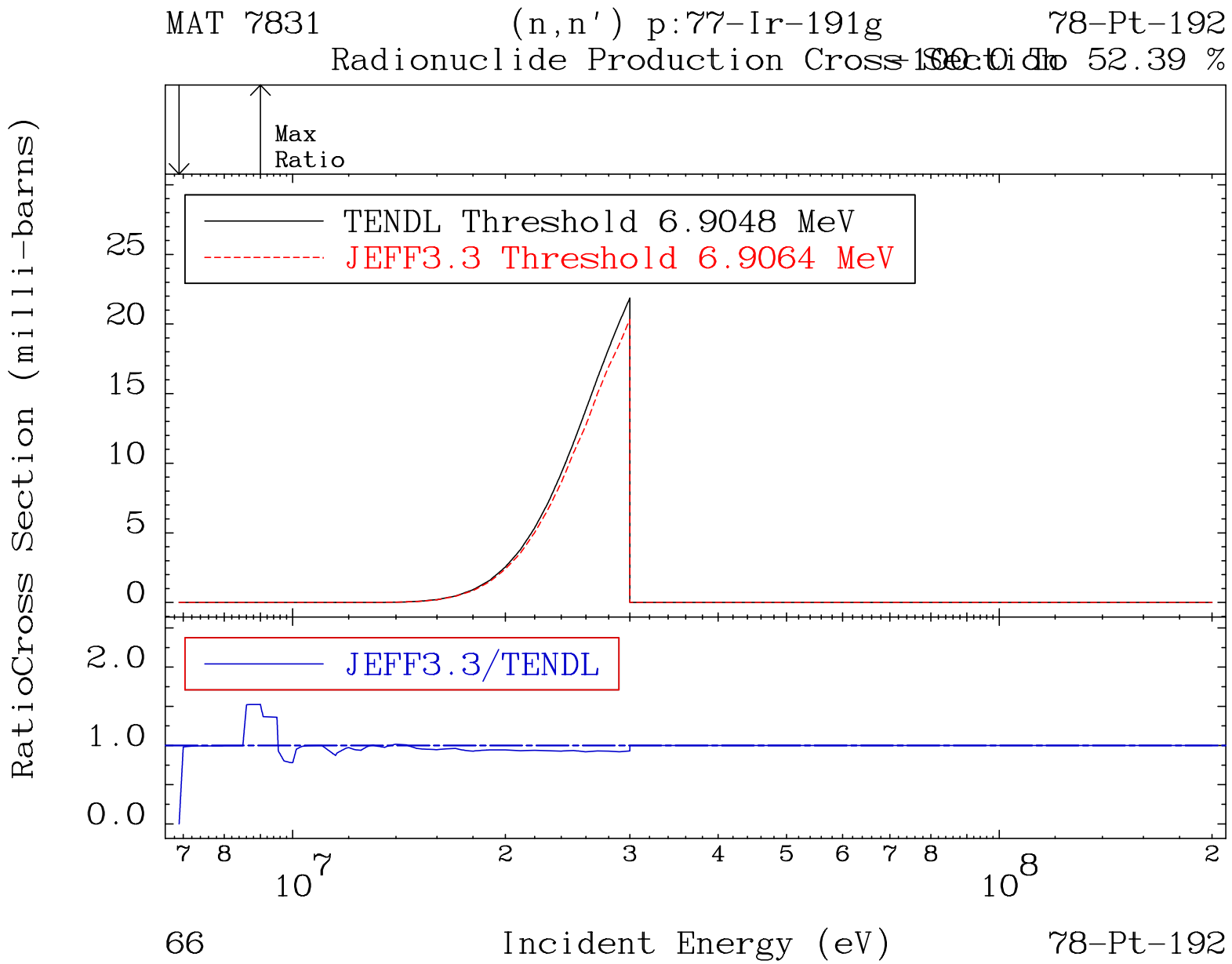

MAT 7831
(n,t):77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
JENDL5.0 Threshold 6.4488 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
78-Pt-192

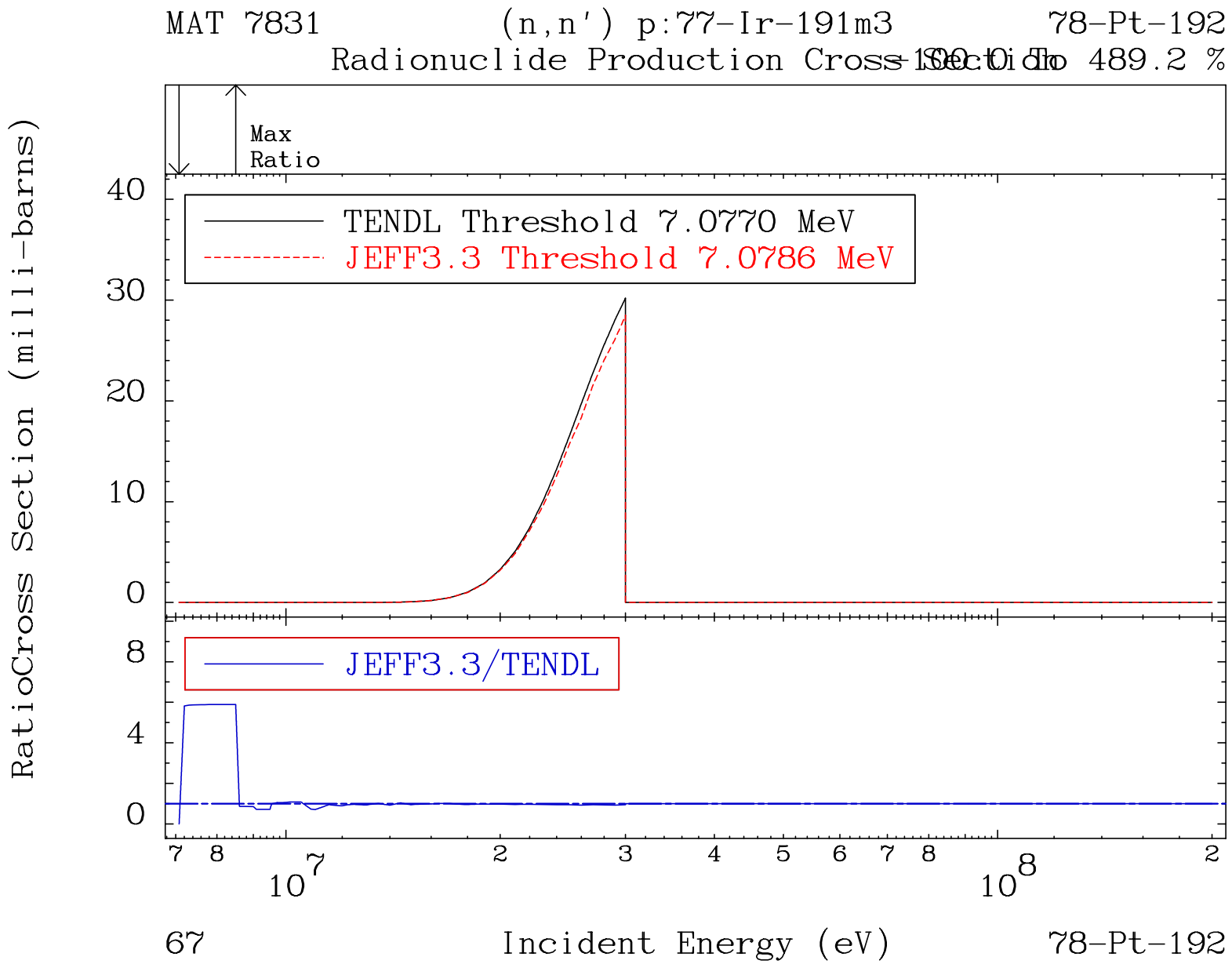

MAT 7831
(n,t):77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.4733 MeV
JENDL5.0 Threshold 6.4750 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
62
Incident Energy (eV)
78-Pt-192

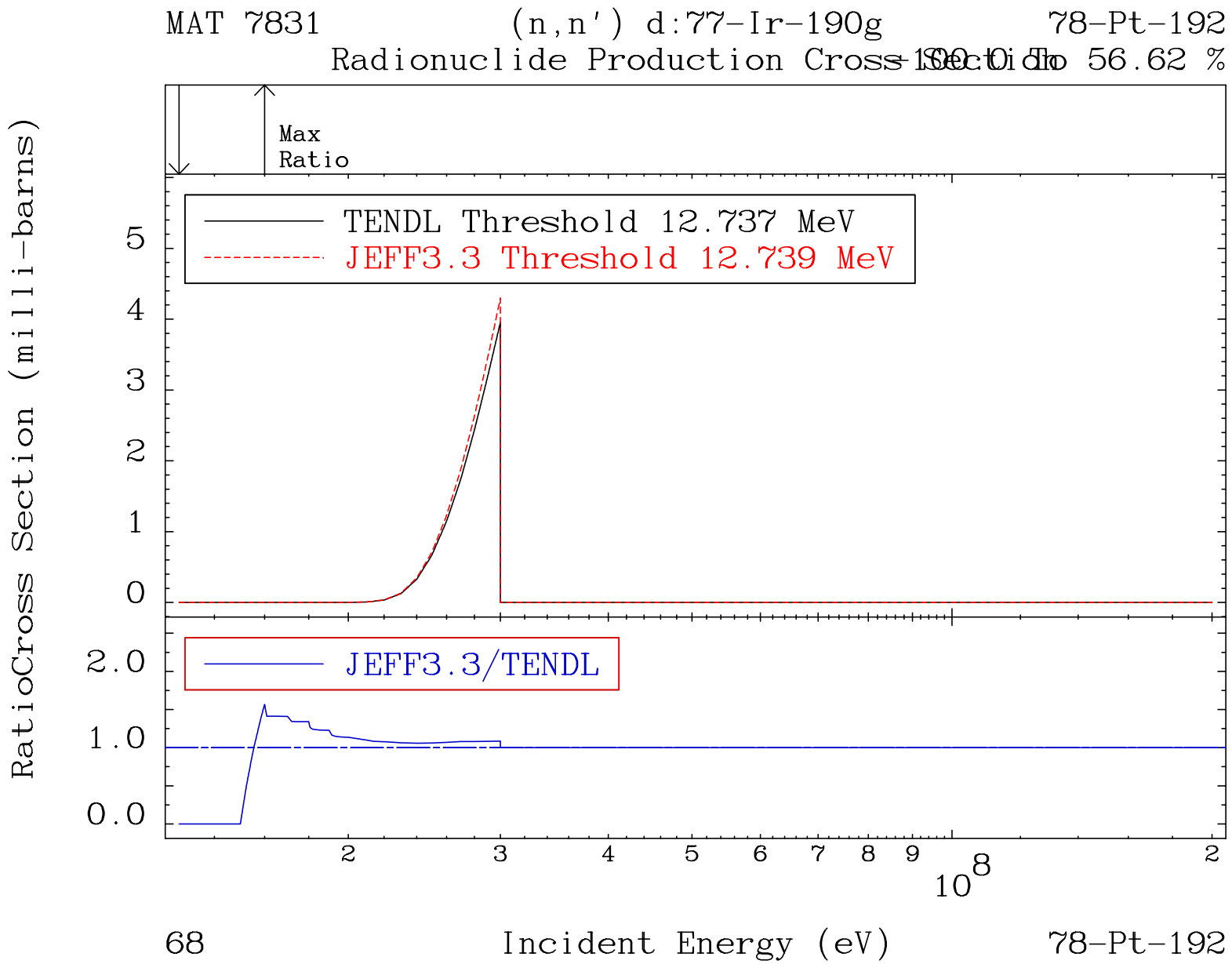

MAT 7831
(n,He-3):76-0s-190g
78-Pt-192
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
JENDL5.0 Threshold 7.0000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
63
Incident Energy (eV)
78-Pt-192

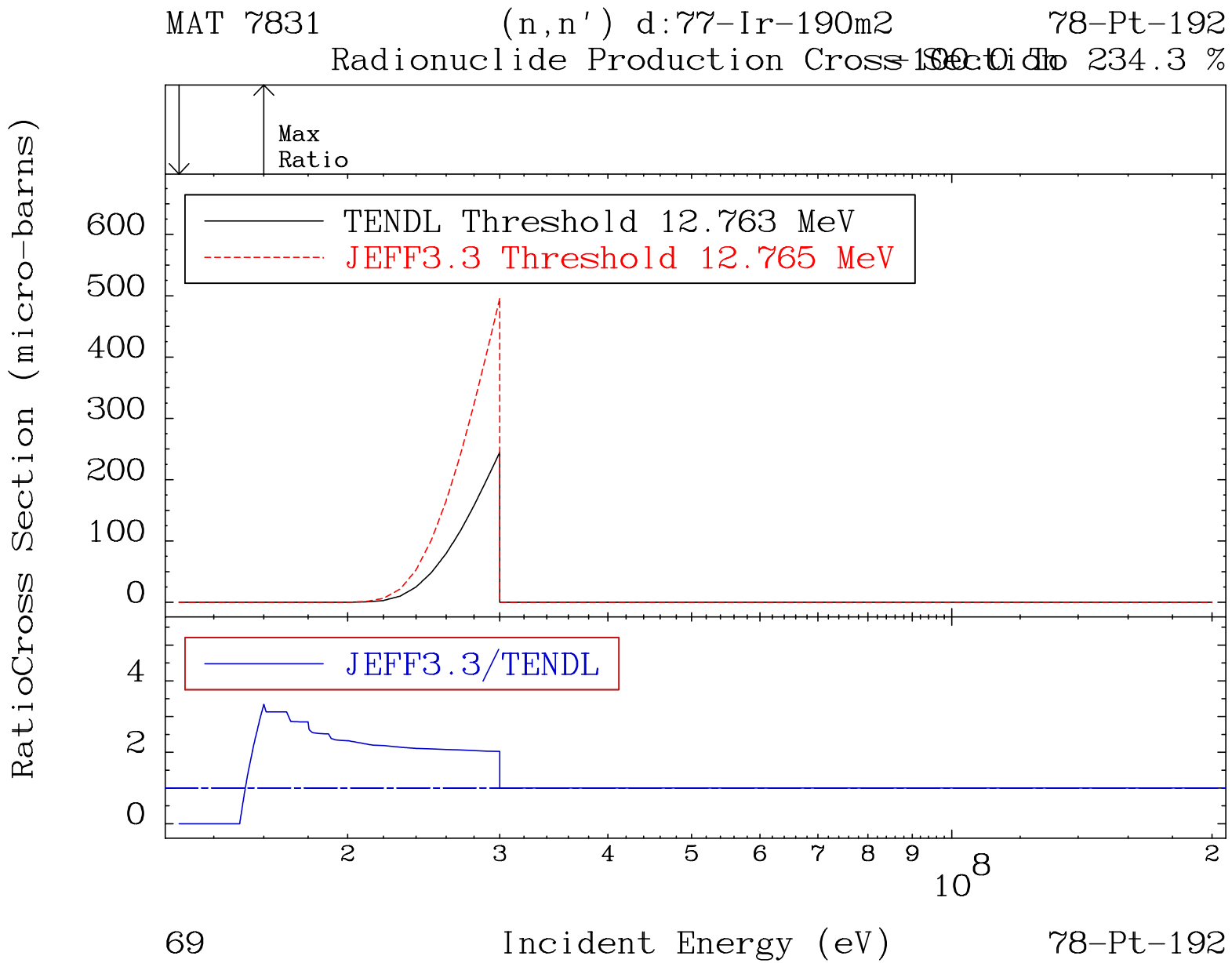

MAT 7831
Dpa inelastic (mt51-91)
78-Pt-192
Cross Section
-7.742 To 16.49 %
Min Ratio
Max Ratio
TENDL Threshold 318.17 keV
JEFF3.3 Threshold 318.17 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
78-Pt-192

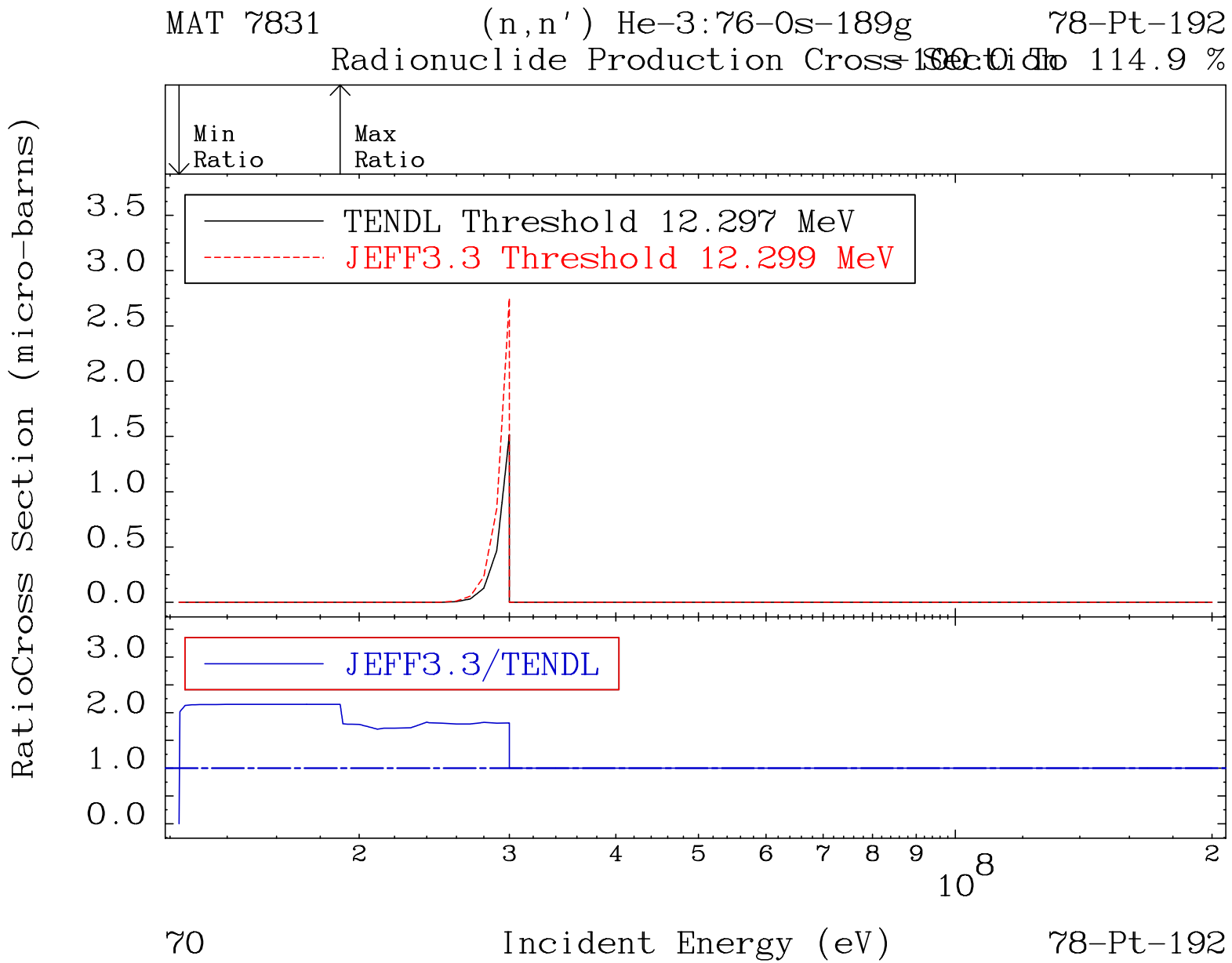

MAT 7831 Dpa disappearance (mt102 -120) 78-Pt-192
Cross Section -66.43 To 70.25 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
78-Pt-192

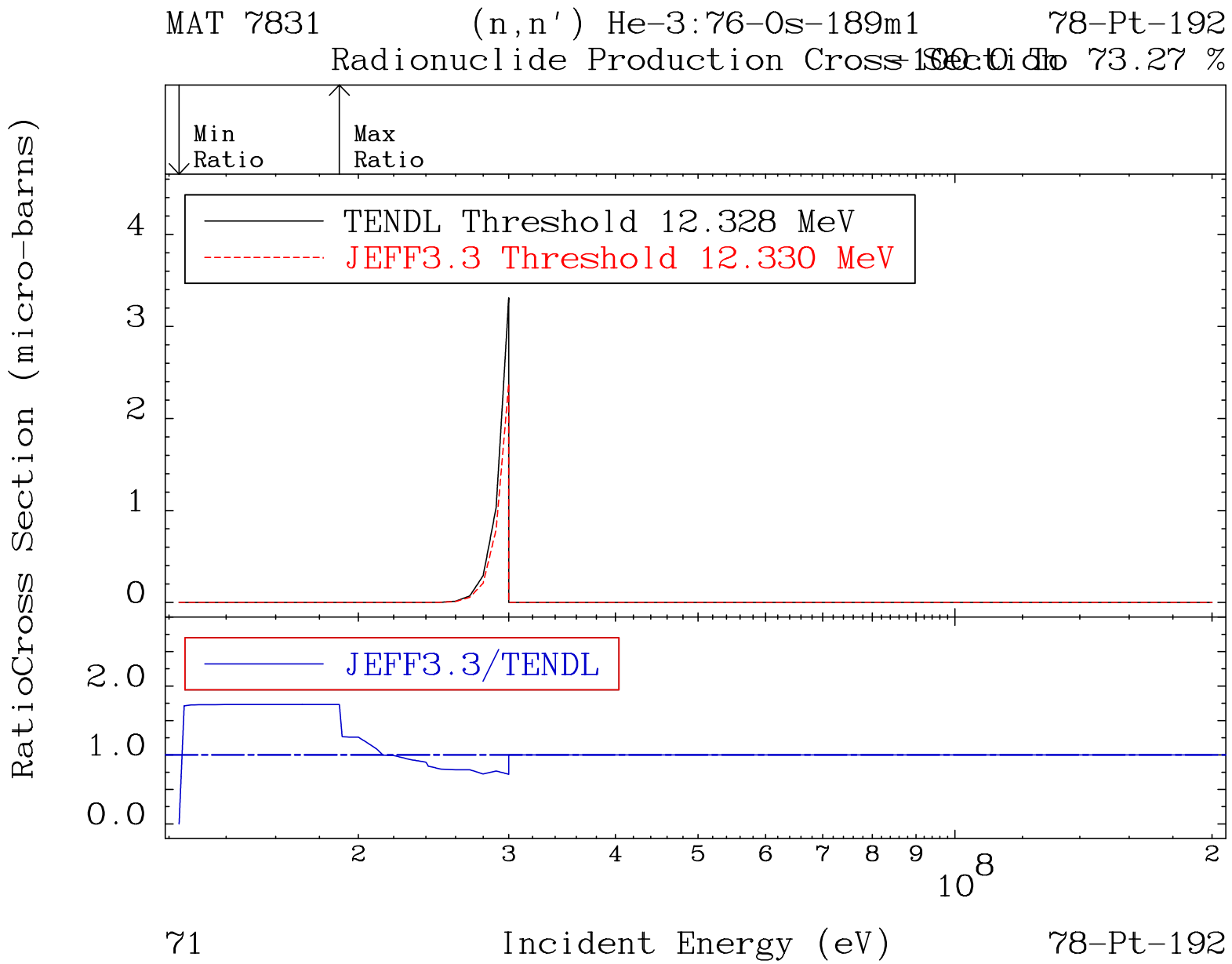

MAT 7831
(n,n') p:77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 6.9048 MeV
JEFF3.3 Threshold 6.9064 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
78-Pt-192

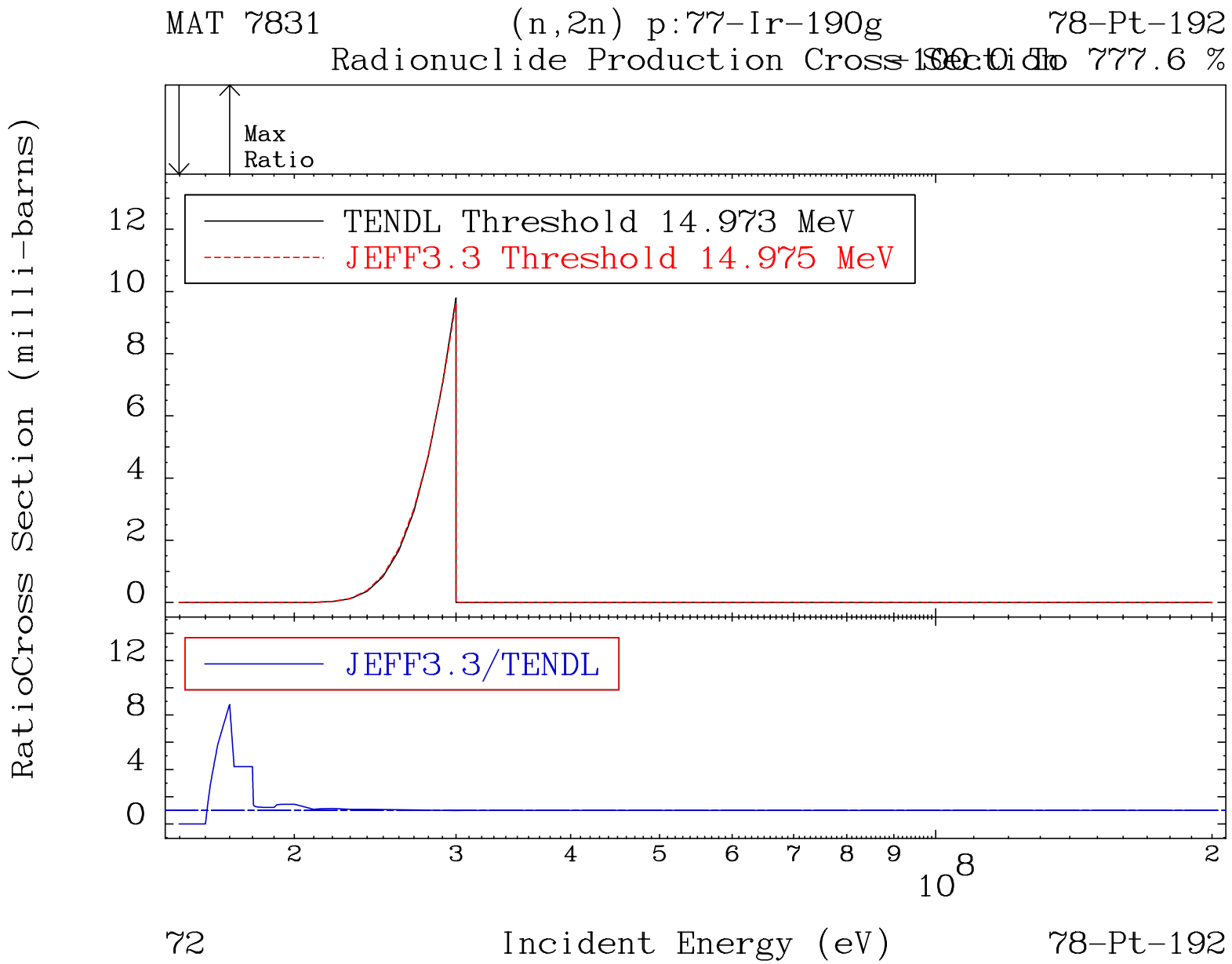

MAT 7831
(n,n') p:77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section To 489.2 %
Max
Ratio
40
30
20
10
0
TENDL Threshold 7.0770 MeV
JEFF3.3 Threshold 7.0786 MeV
8
4
0
JEFF3.3/TENDL
7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
67
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,n') d:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 56.62 %
Max
Ratio
TENDL Threshold 12.737 MeV
JEFF3.3 Threshold 12.739 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
5
4
3
2
1
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
68
Incident Energy (eV)
78-Pt-192

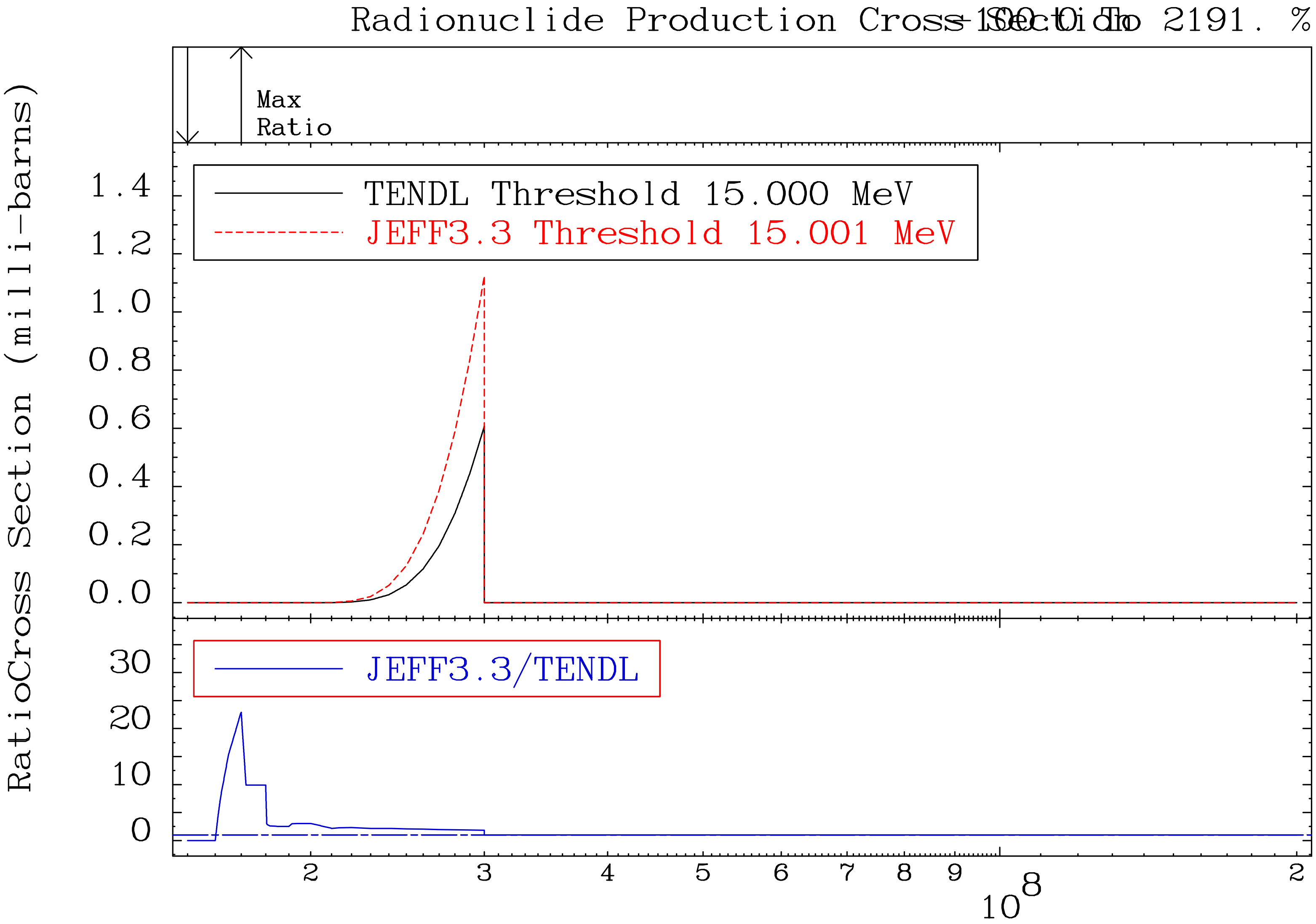

MAT 7831
(n,n') d:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 234.3 %
Max
Ratio
TENDL Threshold 12.763 MeV
JEFF3.3 Threshold 12.765 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
69
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,n') He-3:76-0s-189g
78-Pt-192
Radionuclide Production Cross Section To 114.9 %
Min Ratio
Max Ratio
TENDL Threshold 12.297 MeV
JEFF3.3 Threshold 12.299 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
70
Incident Energy (eV)
78-Pt-192

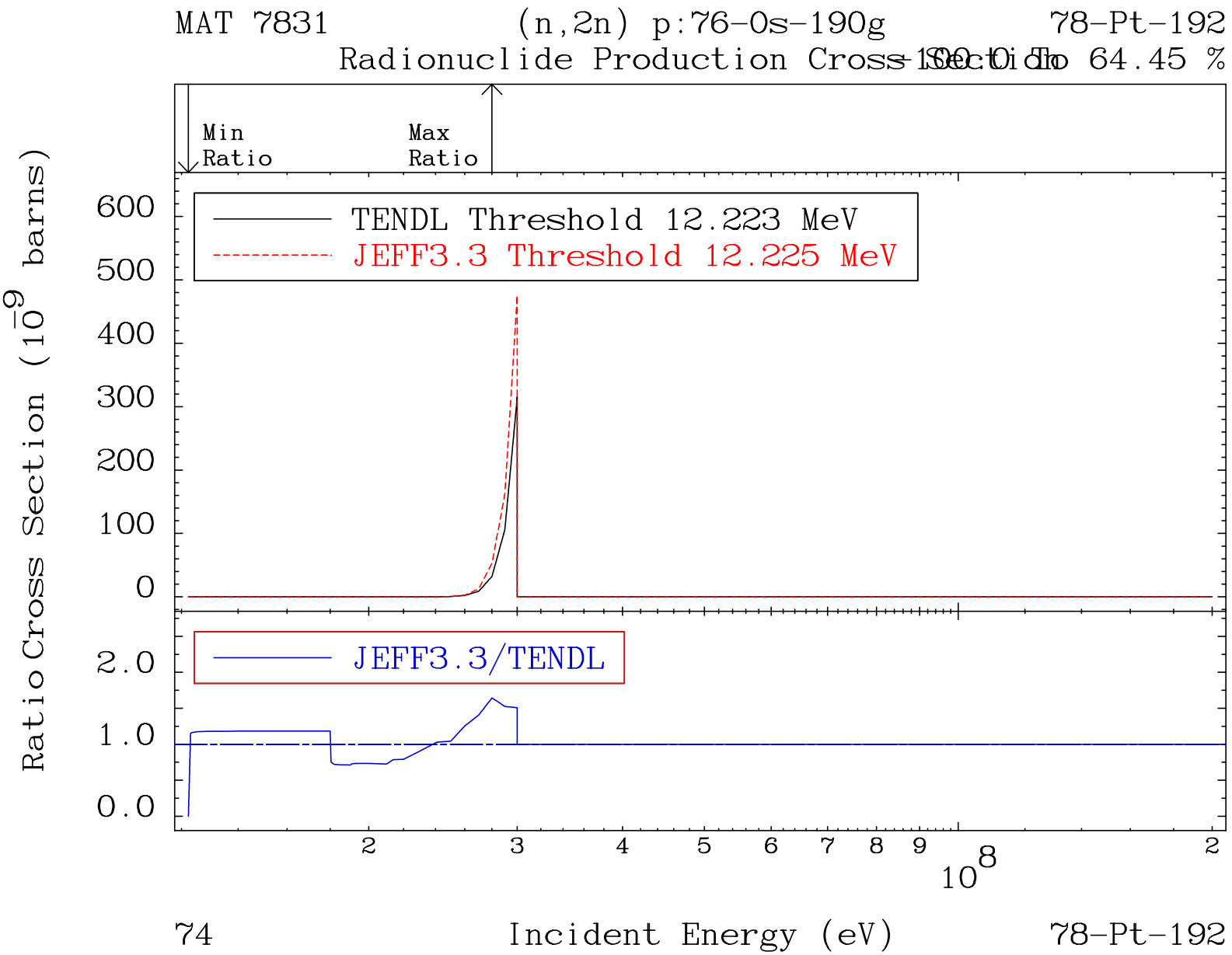

MAT 7831
(n,n') He-3:76-0s-189m1
78-Pt-192
Radionuclide Production Cross Section To 73.27 %
Min Ratio
Max Ratio
TENDL Threshold 12.328 MeV
JEFF3.3 Threshold 12.330 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
71
78-Pt-192

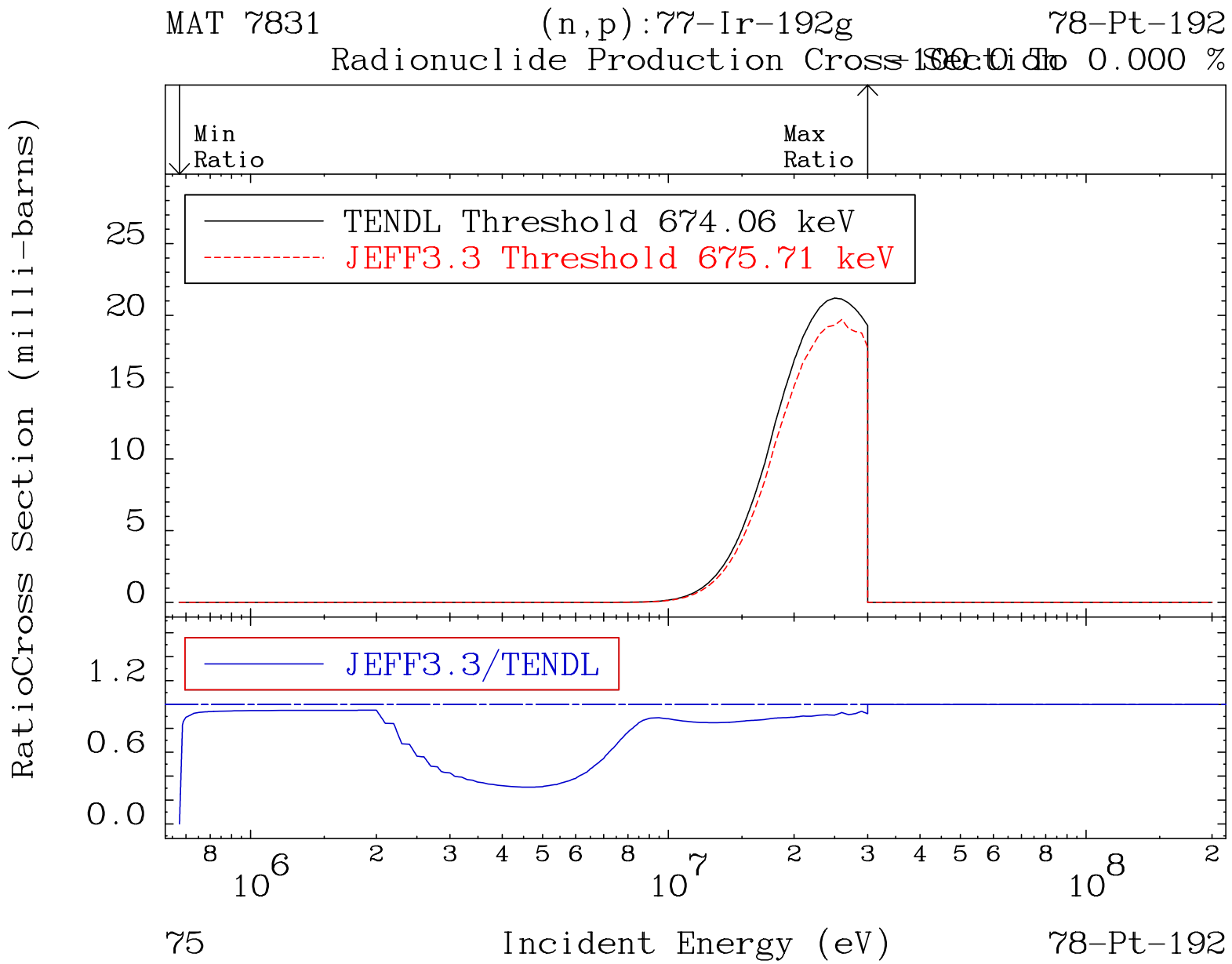

MAT 7831
(n,2n) p:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 777.6 %
Max
Ratio
TENDL Threshold 14.973 MeV
JEFF3.3 Threshold 14.975 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
78-Pt-192

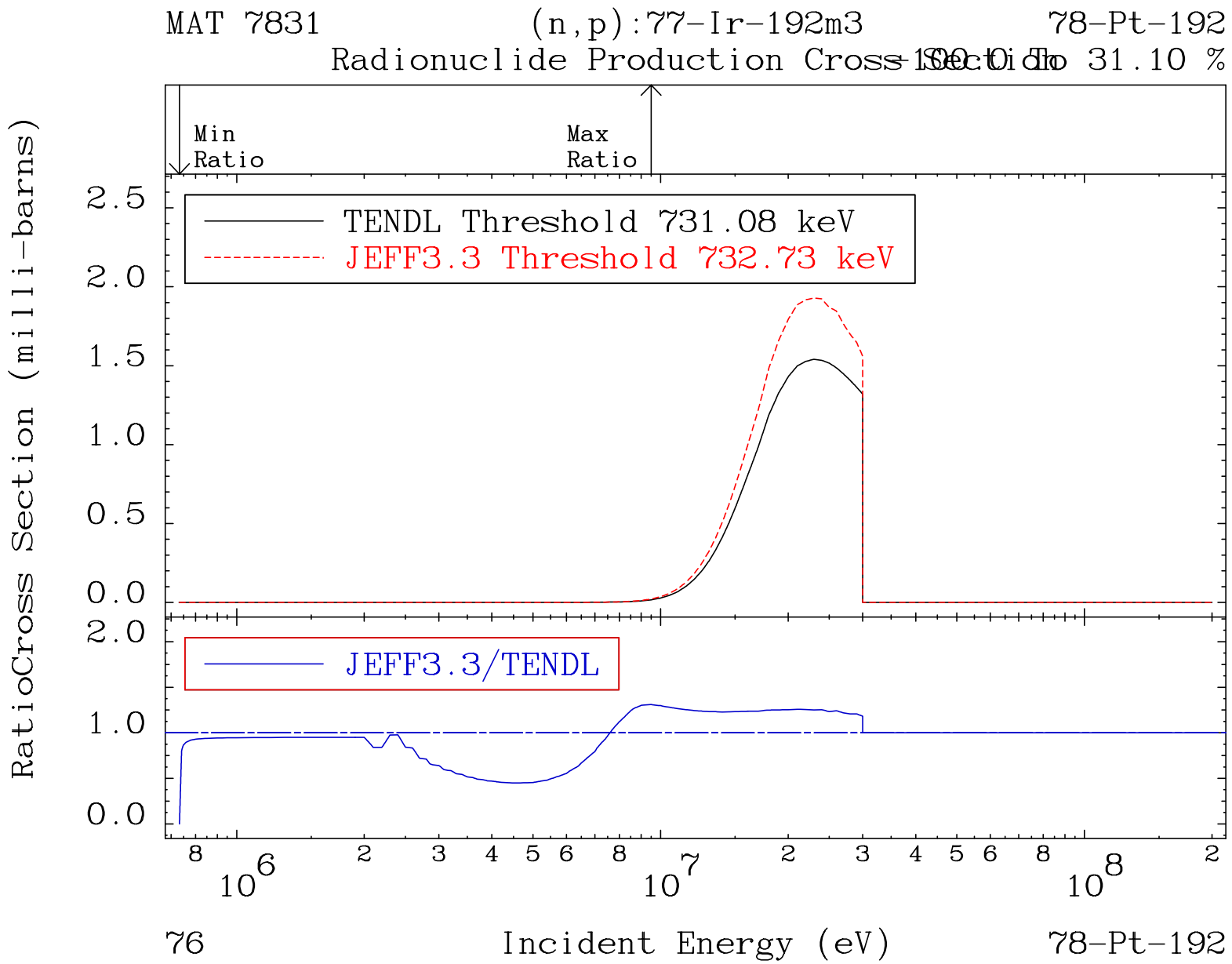
MAT 7831 (n,2n) p:77-Ir-190m2 78-Pt-192

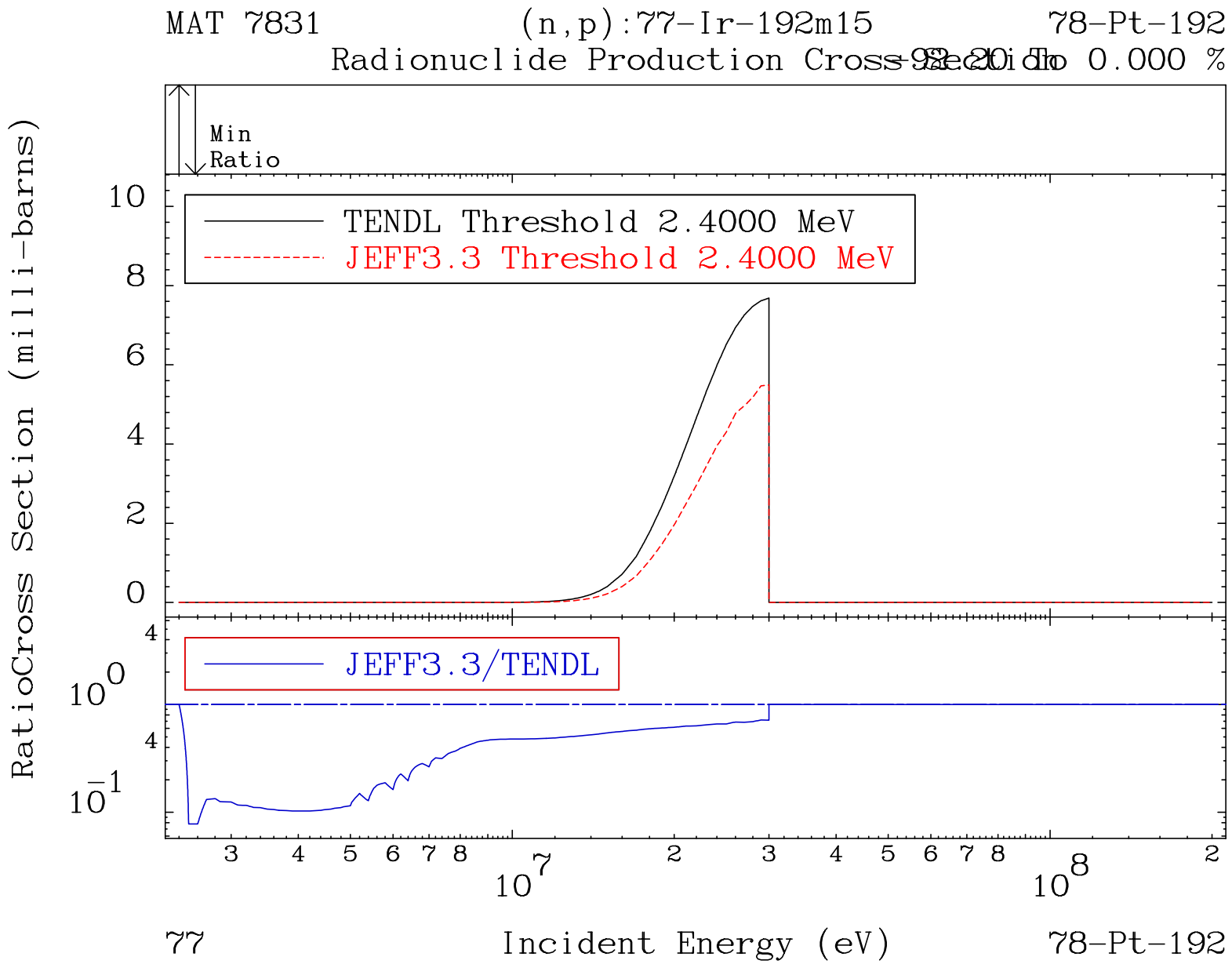


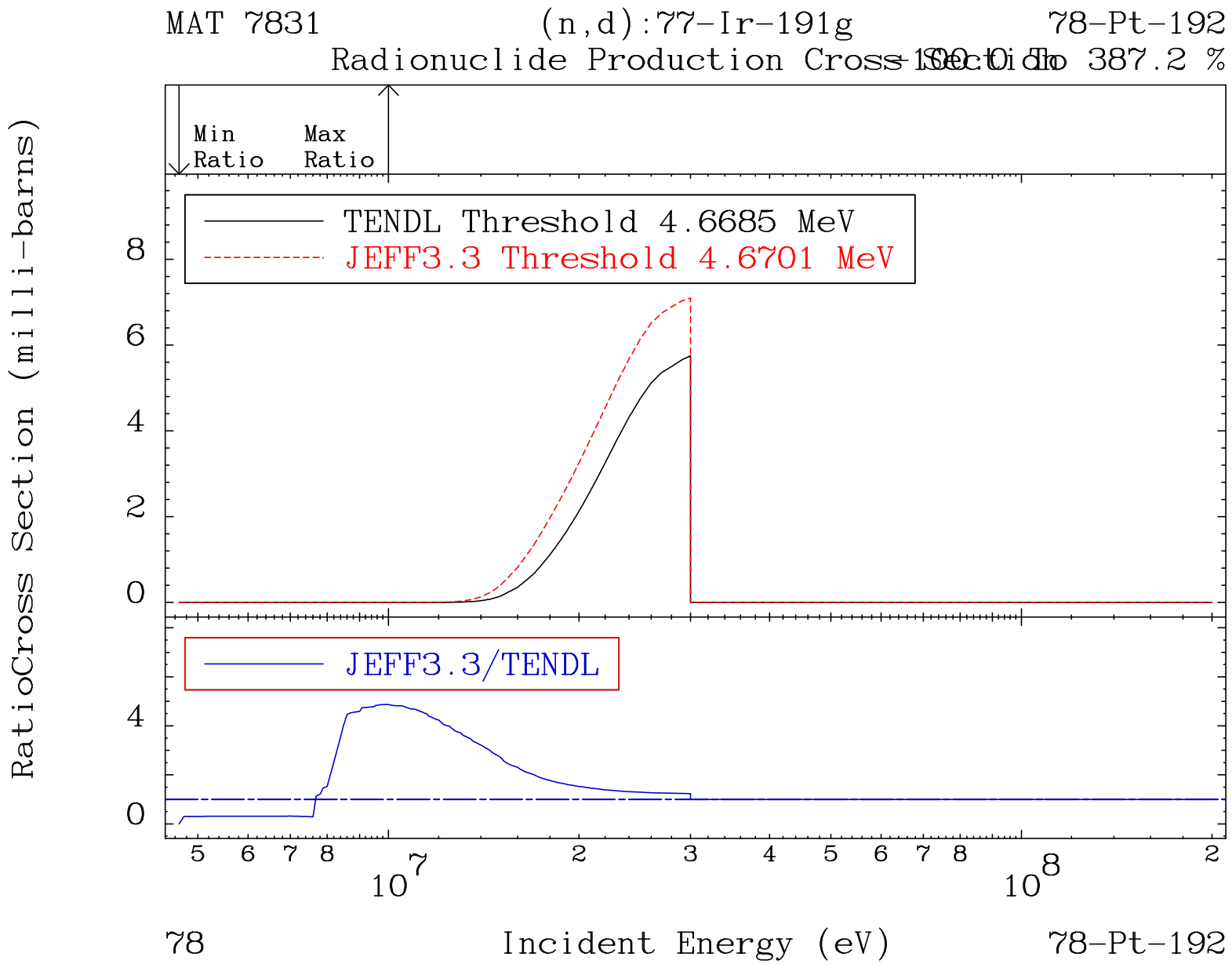
73 78-Pt-192

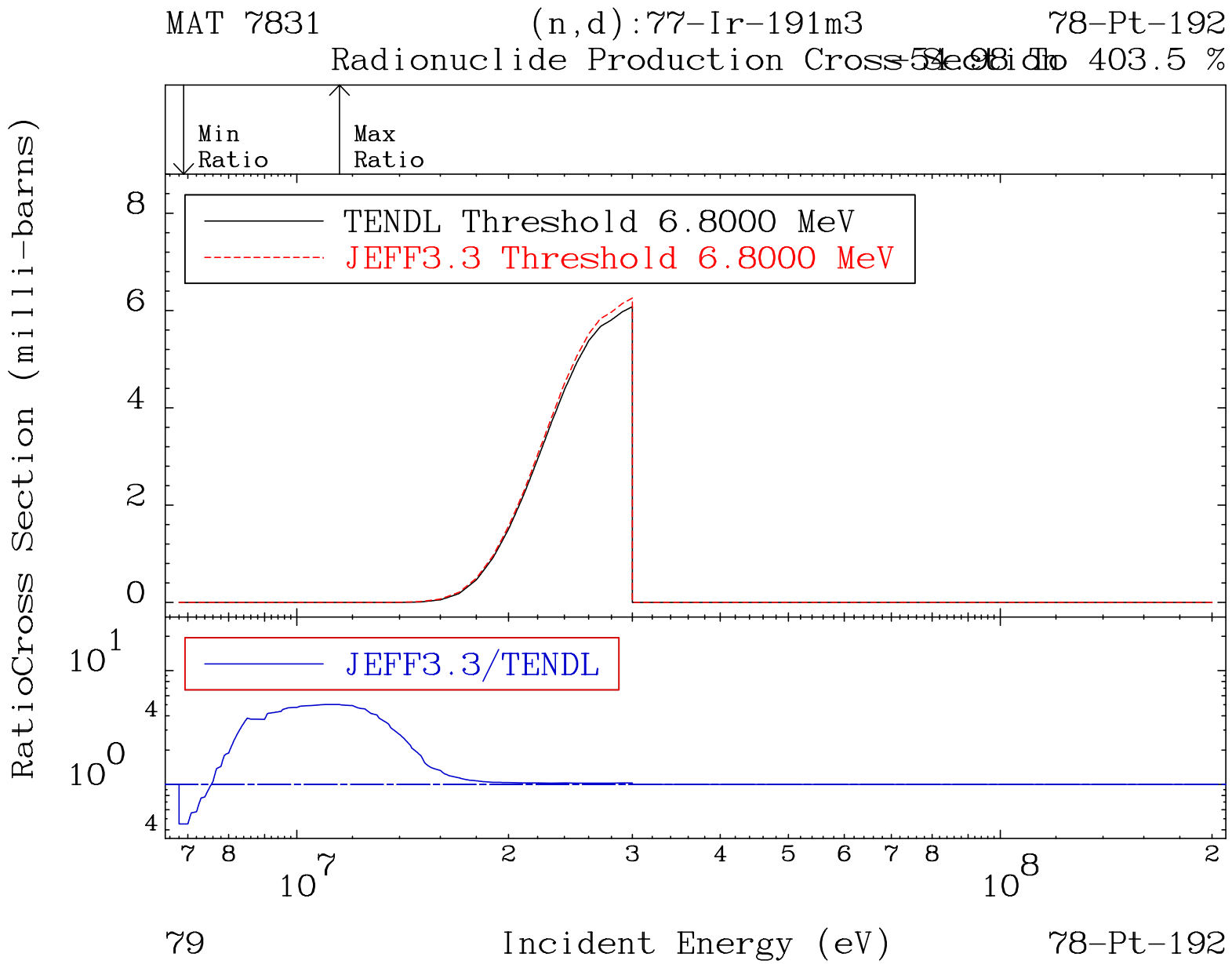

MAT 7831
(n,2n) p:76-Os-190g
78-Pt-192
Radionuclide Production Cross Section To 64.45 %
Min Ratio
Max Ratio
TENDL Threshold 12.223 MeV
JEFF3.3 Threshold 12.225 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
74
Incident Energy (eV)
78-Pt-192

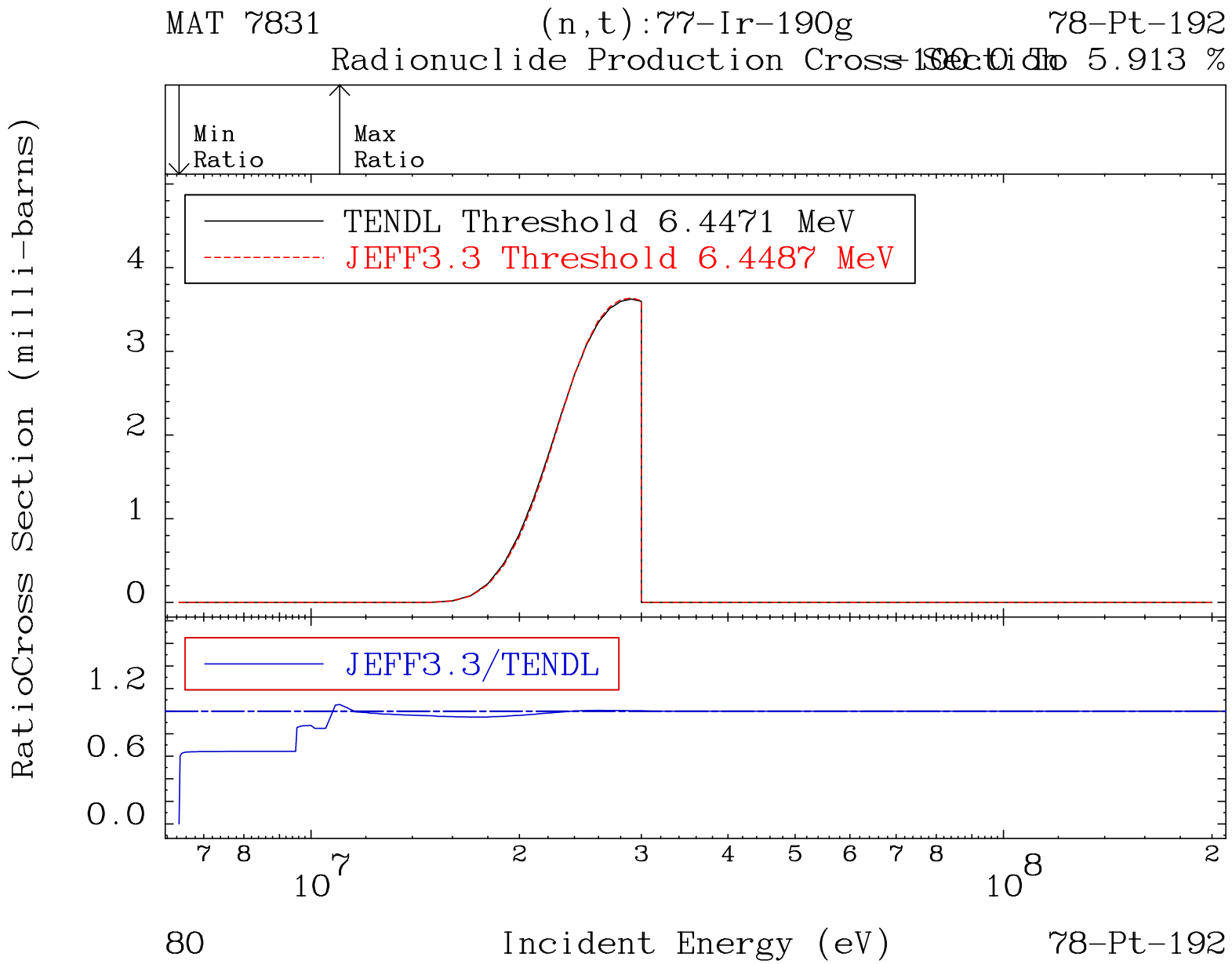

MAT 7831
(n,p):77-Ir-192g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 674.06 keV
JEFF3.3 Threshold 675.71 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
78-Pt-192

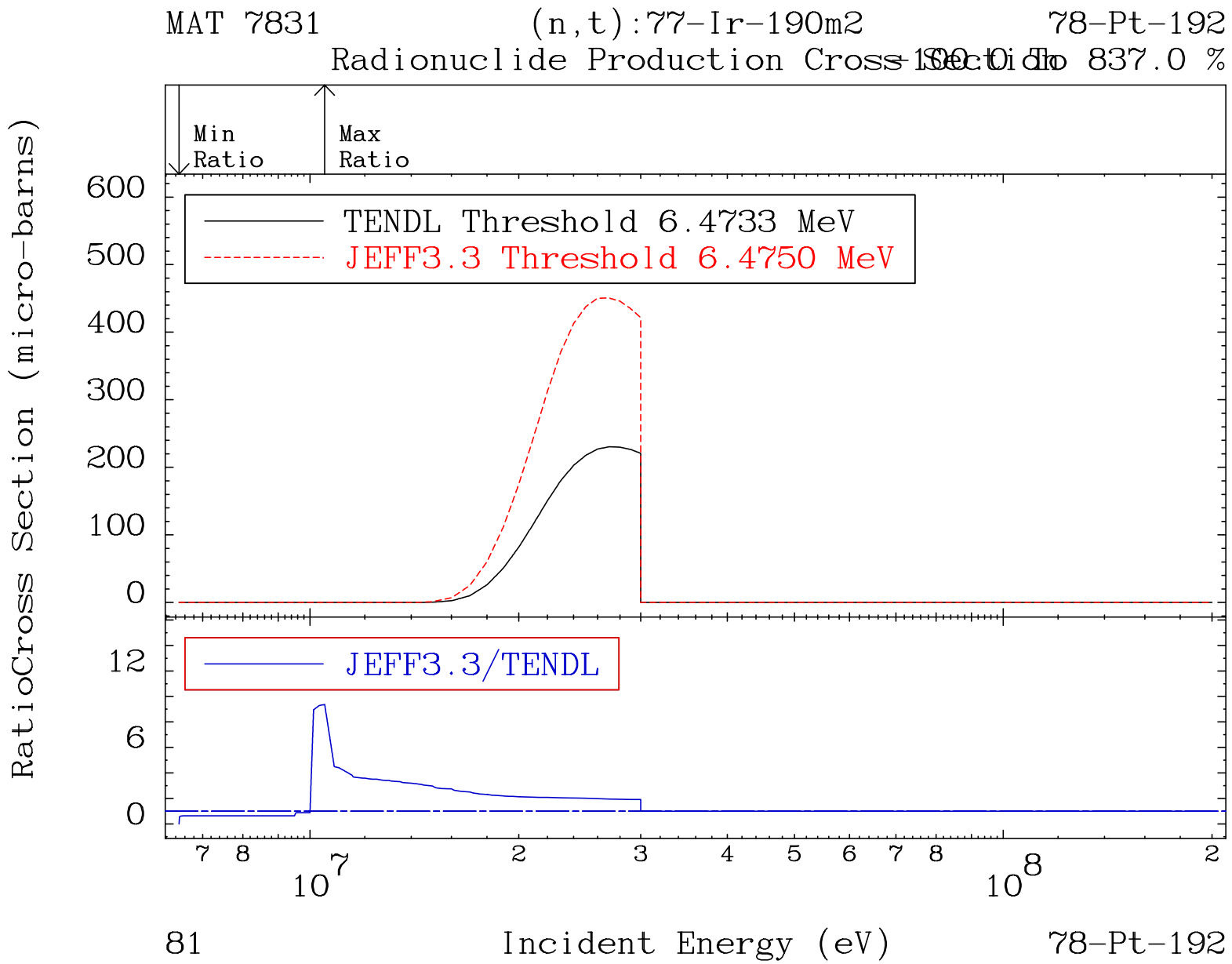

MAT 7831
(n,p):77-Ir-192m3
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 731.08 keV
JEFF3.3 Threshold 732.73 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
78-Pt-192

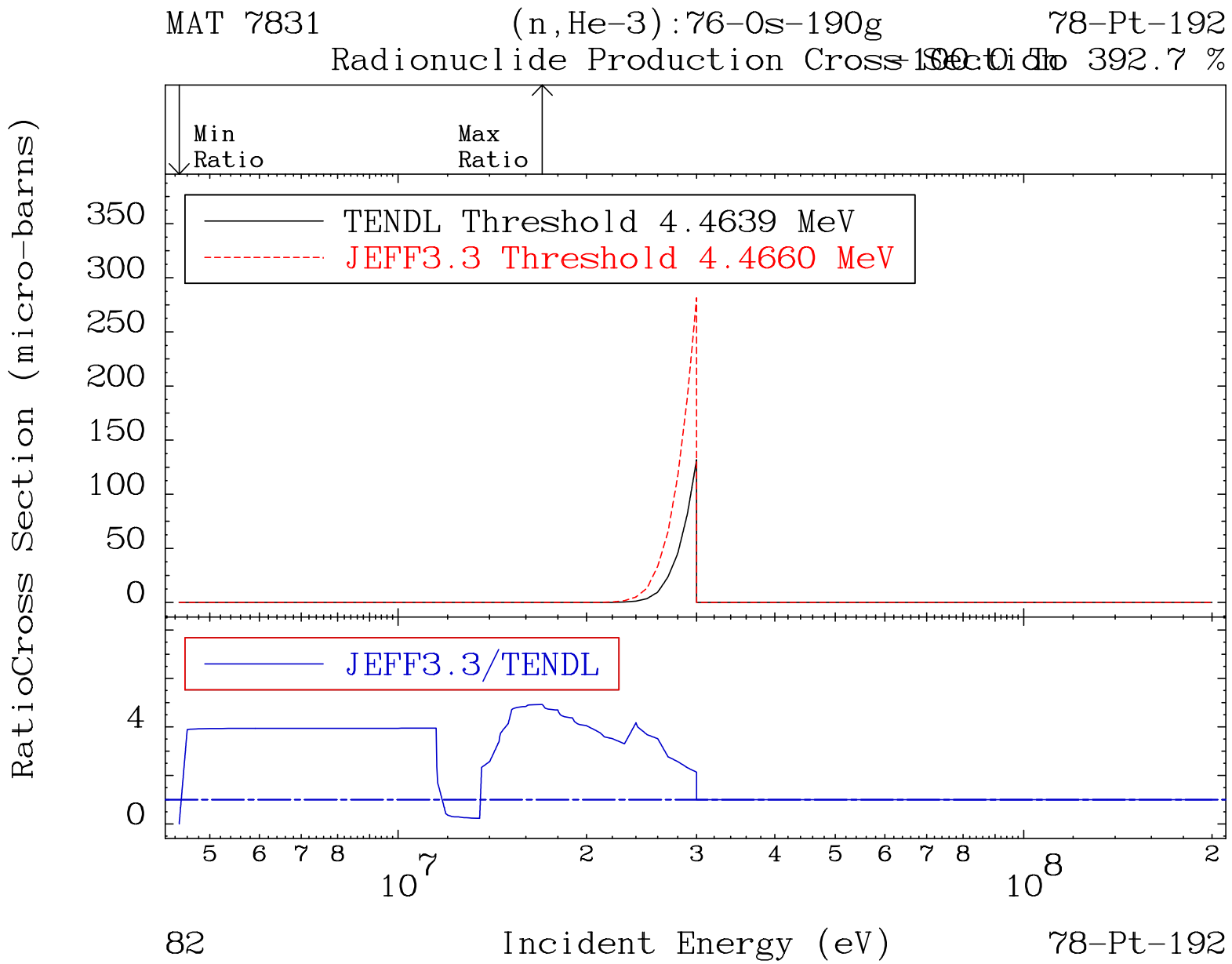

MAT 7831
(n,p):77-Ir-192m15
78-Pt-192
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 2.4000 MeV
JEFF3.3 Threshold 2.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
78-Pt-192

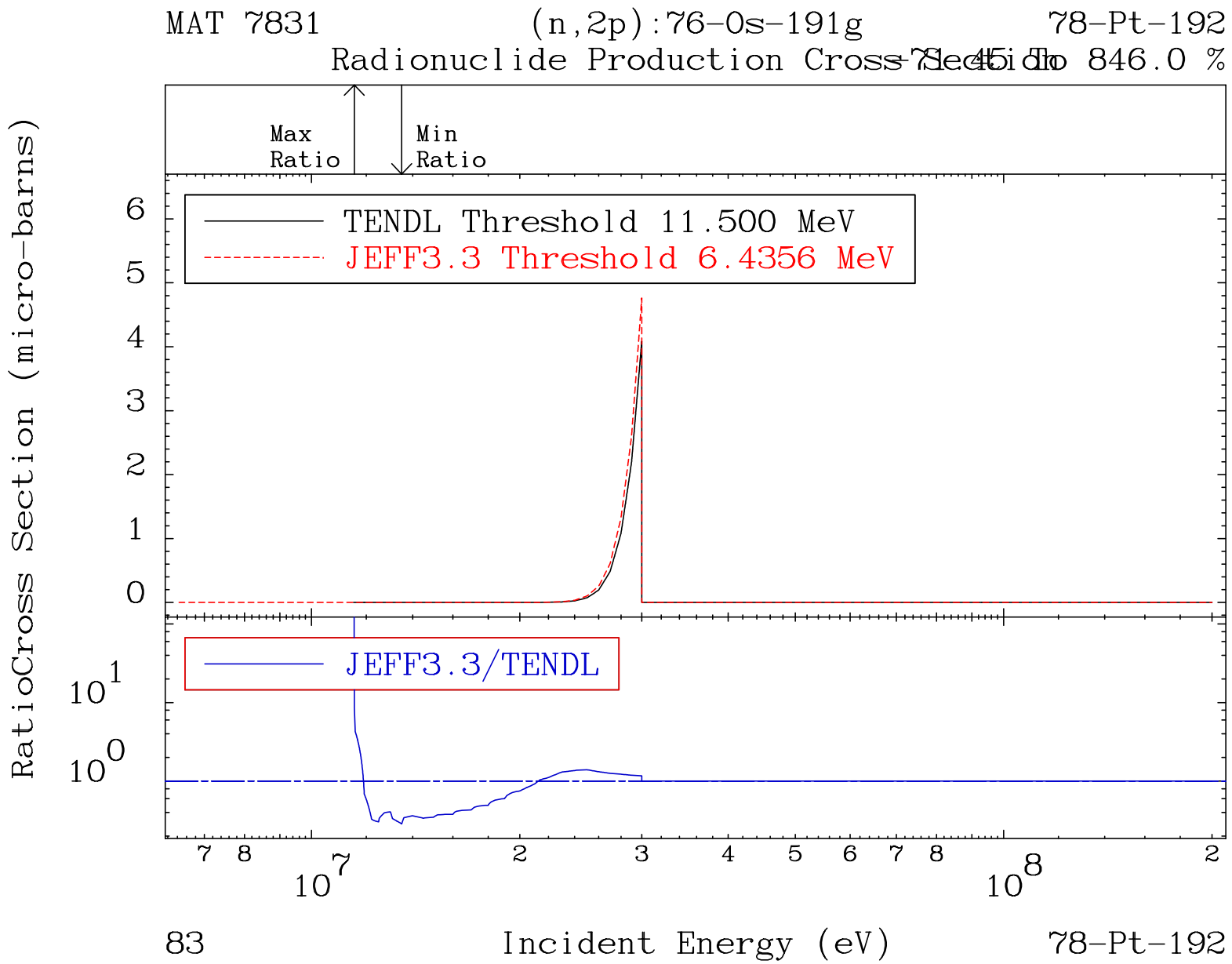

MAT 7831
(n,d):77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section To 387.2 %
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
JEFF3.3 Threshold 4.6701 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
78-Pt-192

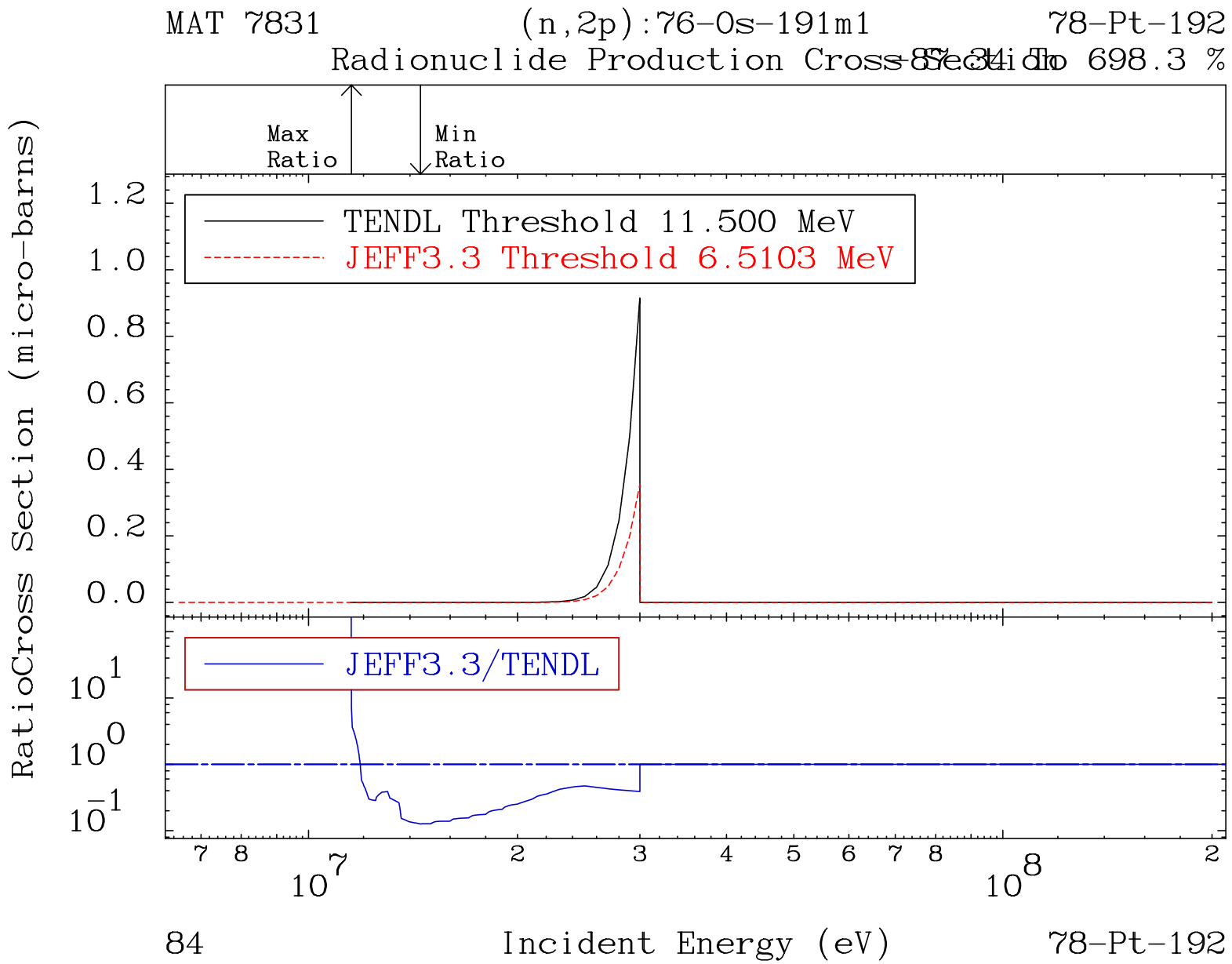

MAT 7831
(n,d):77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
JEFF3.3 Threshold 6.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
78-Pt-192

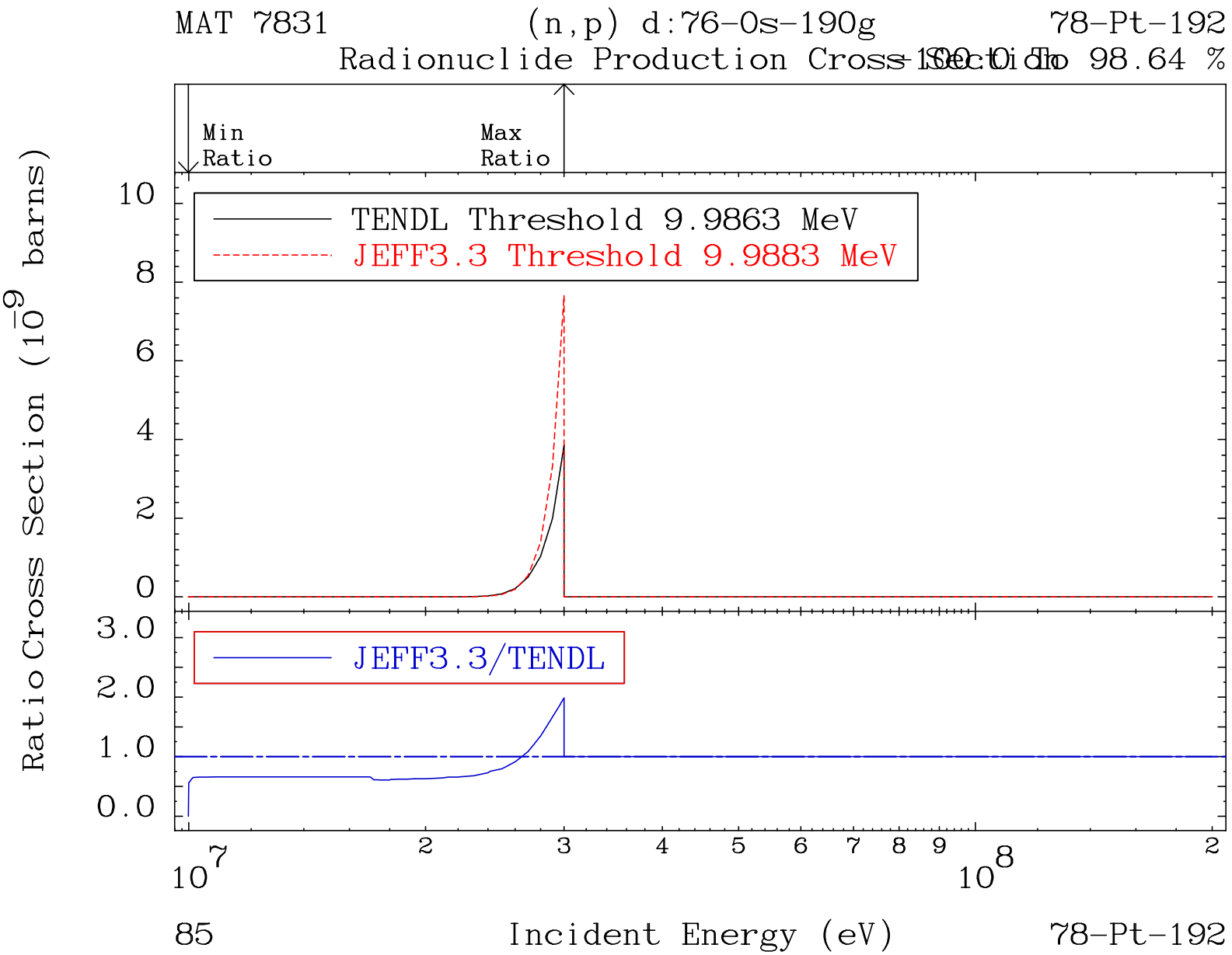

MAT 7831
(n,t):77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 5.913 %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
JEFF3.3 Threshold 6.4487 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
78-Pt-192

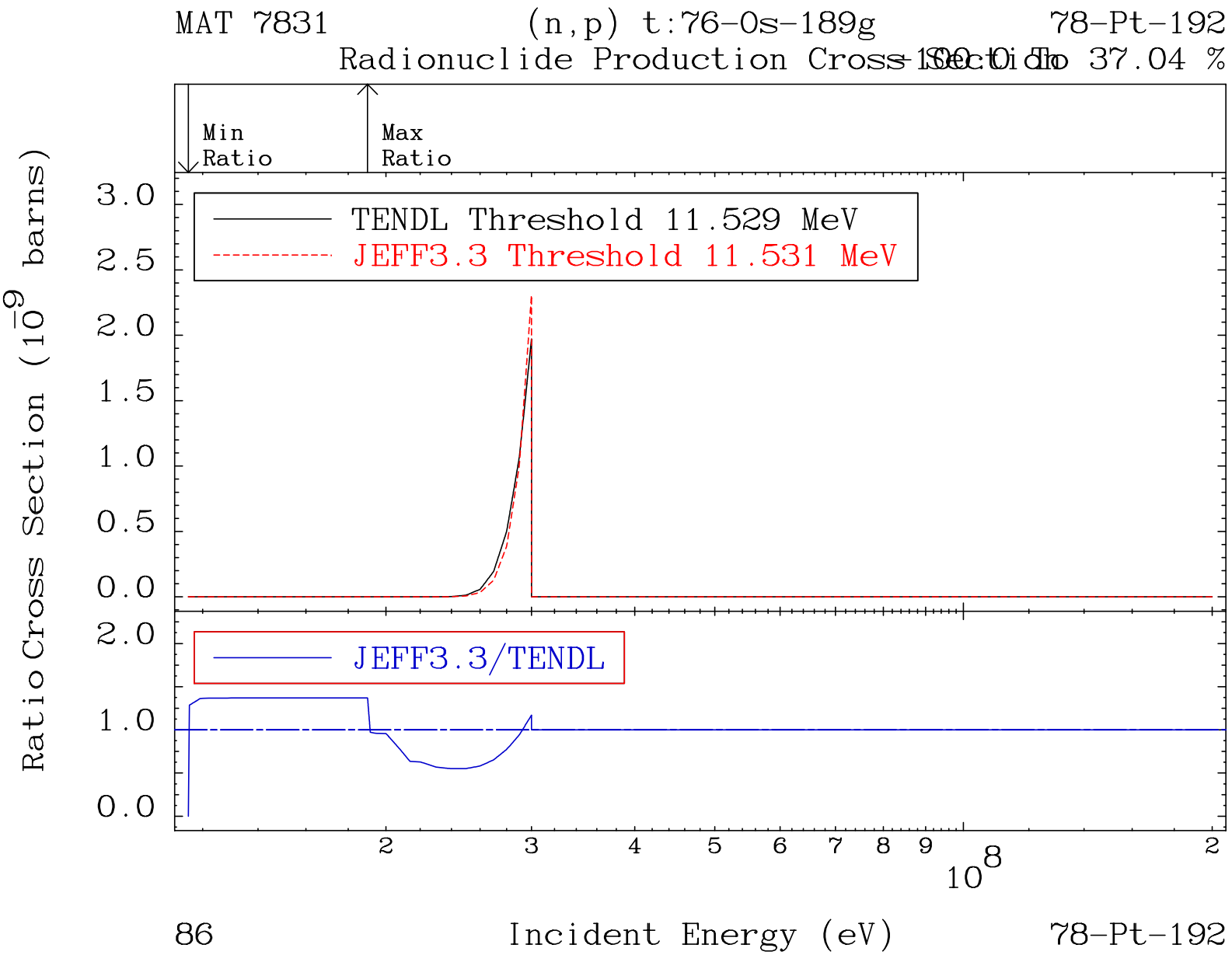

MAT 7831
(n,t):77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 837.0 %
Min Ratio
Max Ratio
TENDL Threshold 6.4733 MeV
JEFF3.3 Threshold 6.4750 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
81
Incident Energy (eV)
78-Pt-192

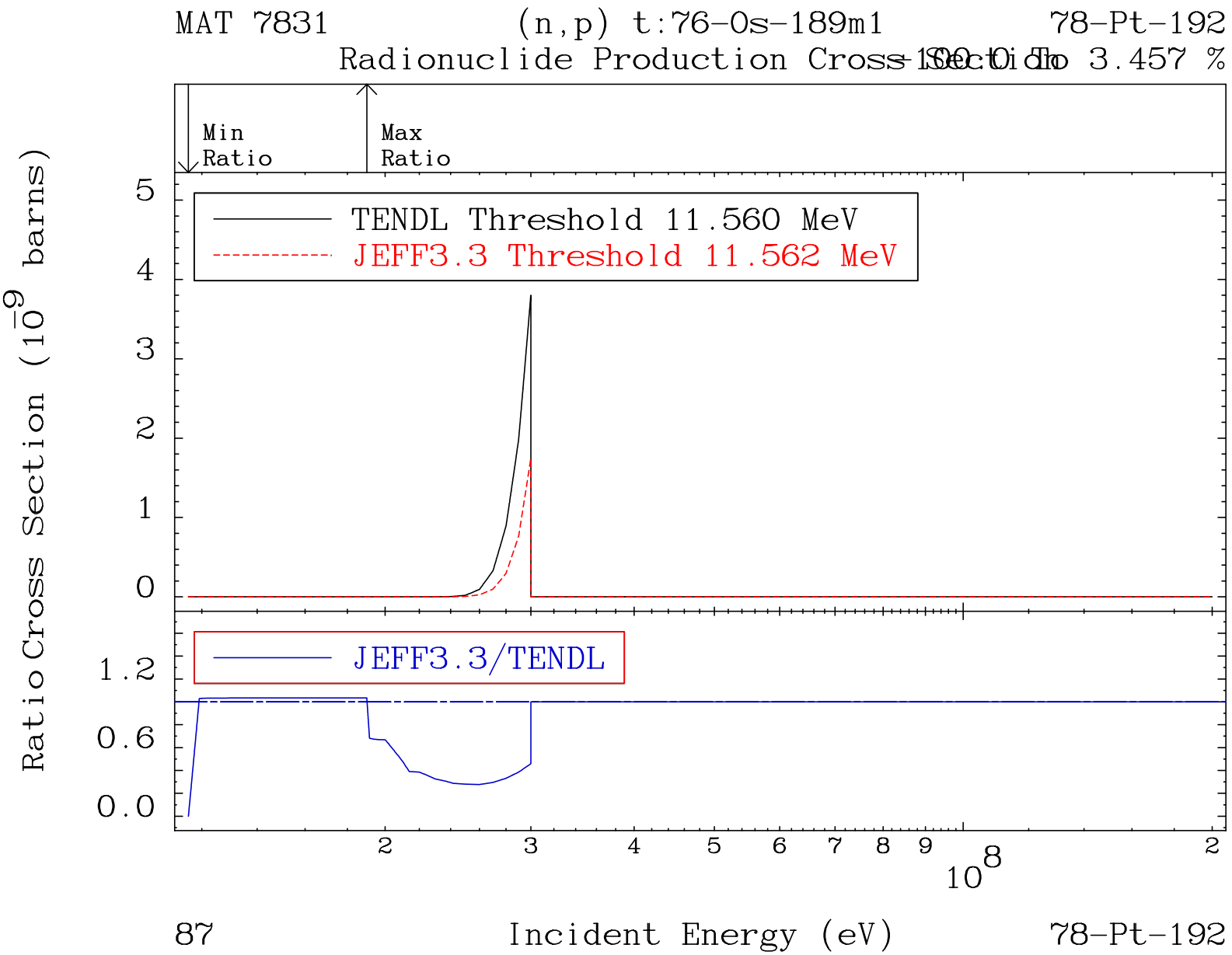

MAT 7831
(n,He-3):76-Os-190g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
JEFF3.3 Threshold 4.4660 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
82
78-Pt-192

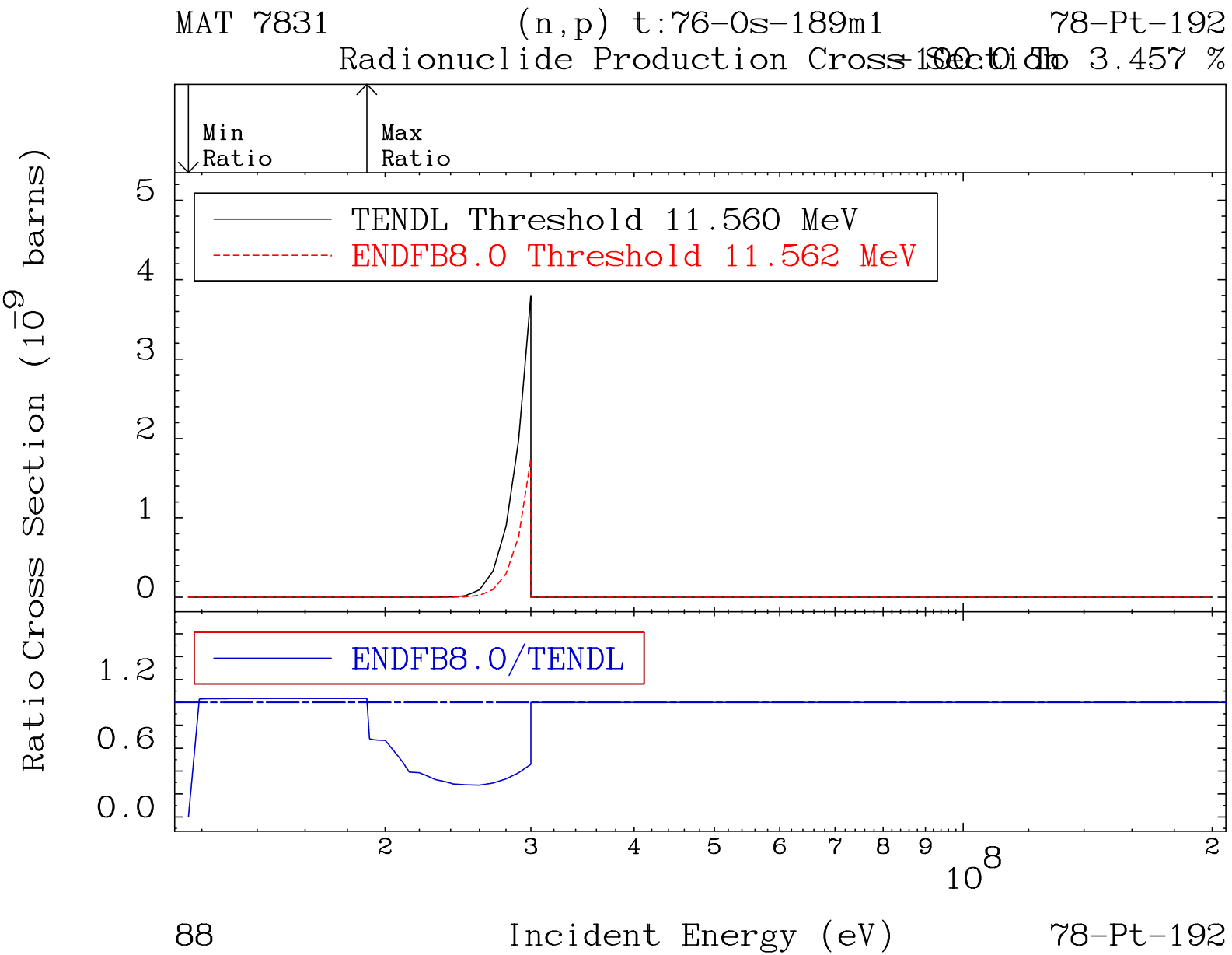

MAT 7831
(n,2p):76-Os-191g
78-Pt-192
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.500 MeV
JEFF3.3 Threshold 6.4356 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
83
78-Pt-192


MAT 7831
(n,2p):76-Os-191m1
78-Pt-192
Radionuclide Production Cross Section To 698.3 %
Max Ratio
Min Ratio
TENDL Threshold 11.500 MeV
JEFF3.3 Threshold 6.5103 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^{1}
10^{0}
10^{-1}
7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
84
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,p) d:76-Os-190g
78-Pt-192
Radionuclide Production Cross Section To 98.64 %
Min Ratio
Max Ratio
TENDL Threshold 9.9863 MeV
JEFF3.3 Threshold 9.9883 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
85
78-Pt-192


MAT 7831
(n,p) t:76-Os-189g
78-Pt-192
Radionuclide Production Cross Section To 37.04 %
Min Ratio
Max Ratio
TENDL Threshold 11.529 MeV
JEFF3.3 Threshold 11.531 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
86
Incident Energy (eV)
78-Pt-192


MAT 7831
(n,p) t:76-Os-189m1
78-Pt-192
Radionuclide Production Cross Section To 3.457 %
Min Ratio
Max Ratio
TENDL Threshold 11.560 MeV
JEFF3.3 Threshold 11.562 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
87
78-Pt-192


MAT 7831
(n,p) t:76-Os-189m1
78-Pt-192
Radionuclide Production Cross Section To 3.457 %
Min Ratio
Max Ratio
TENDL Threshold 11.560 MeV
ENDFB8.0 Threshold 11.562 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
10^8
88
78-Pt-192