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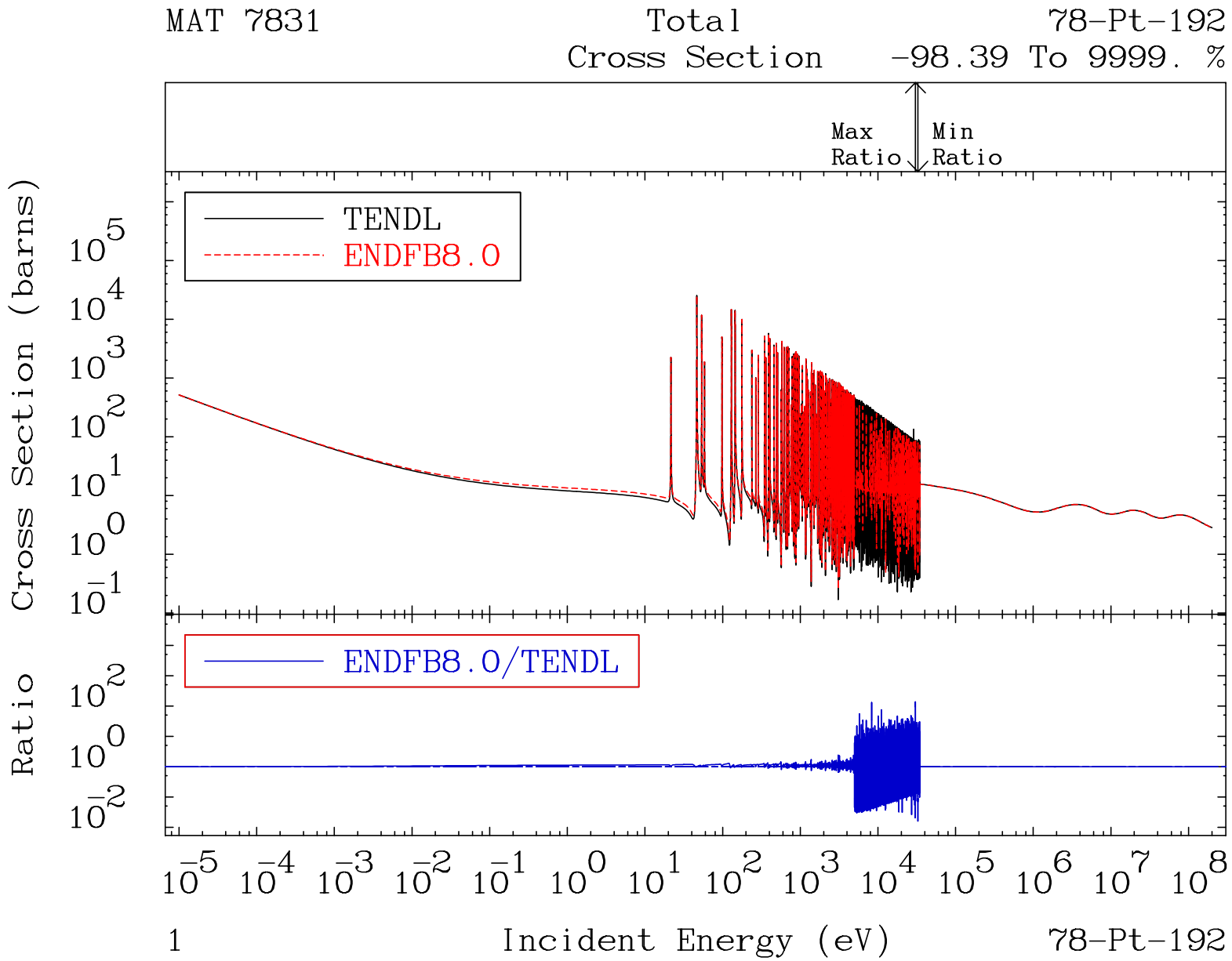
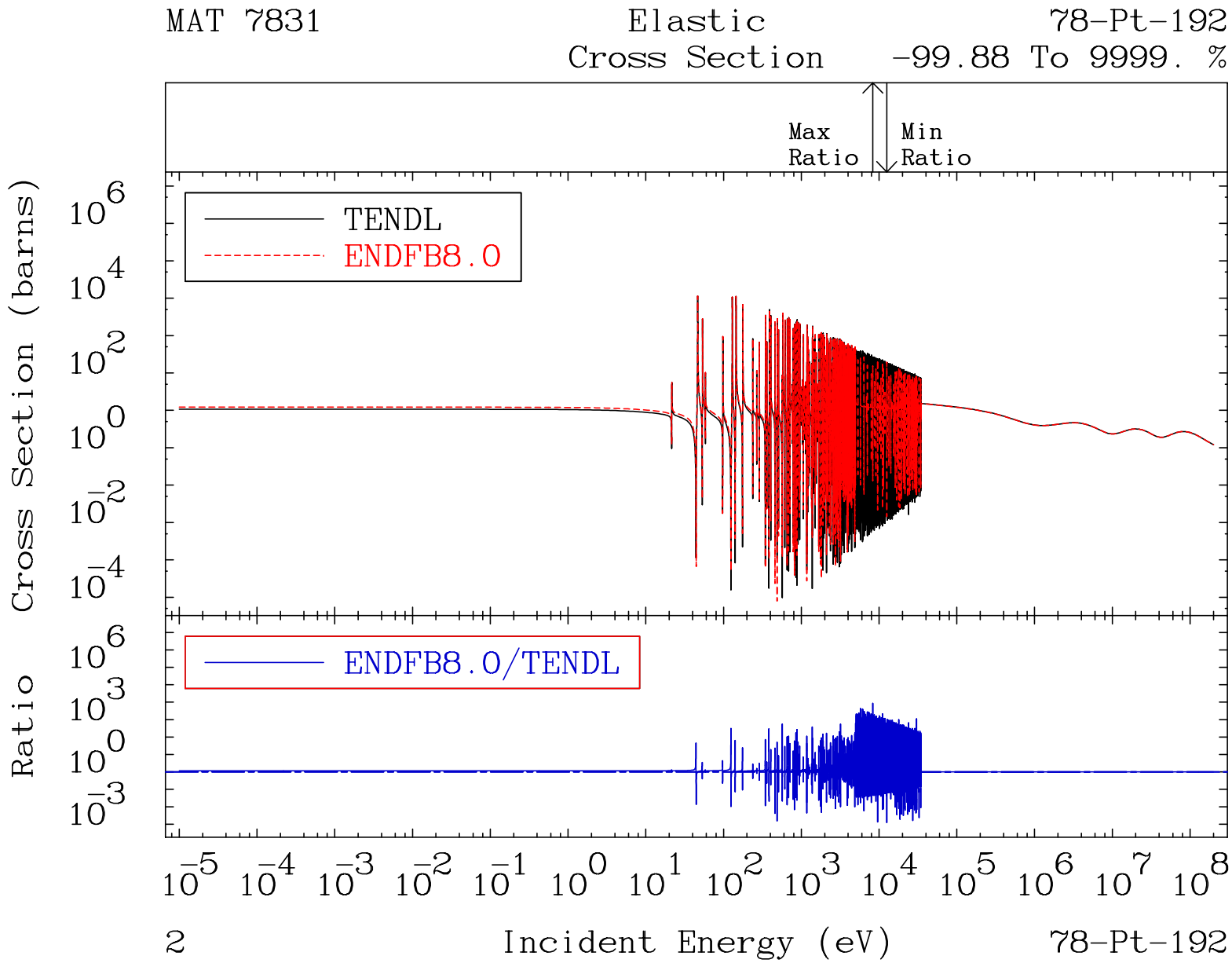
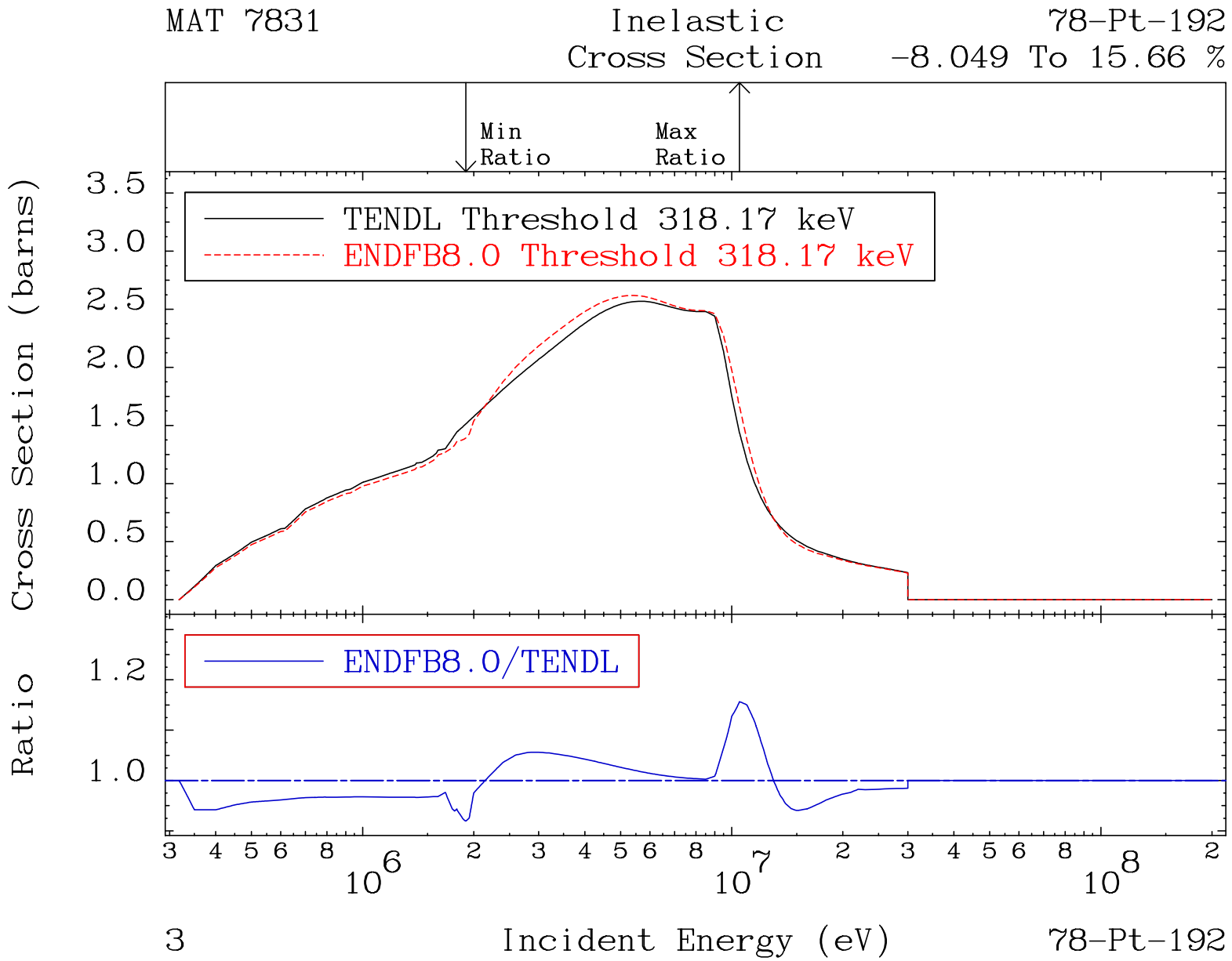
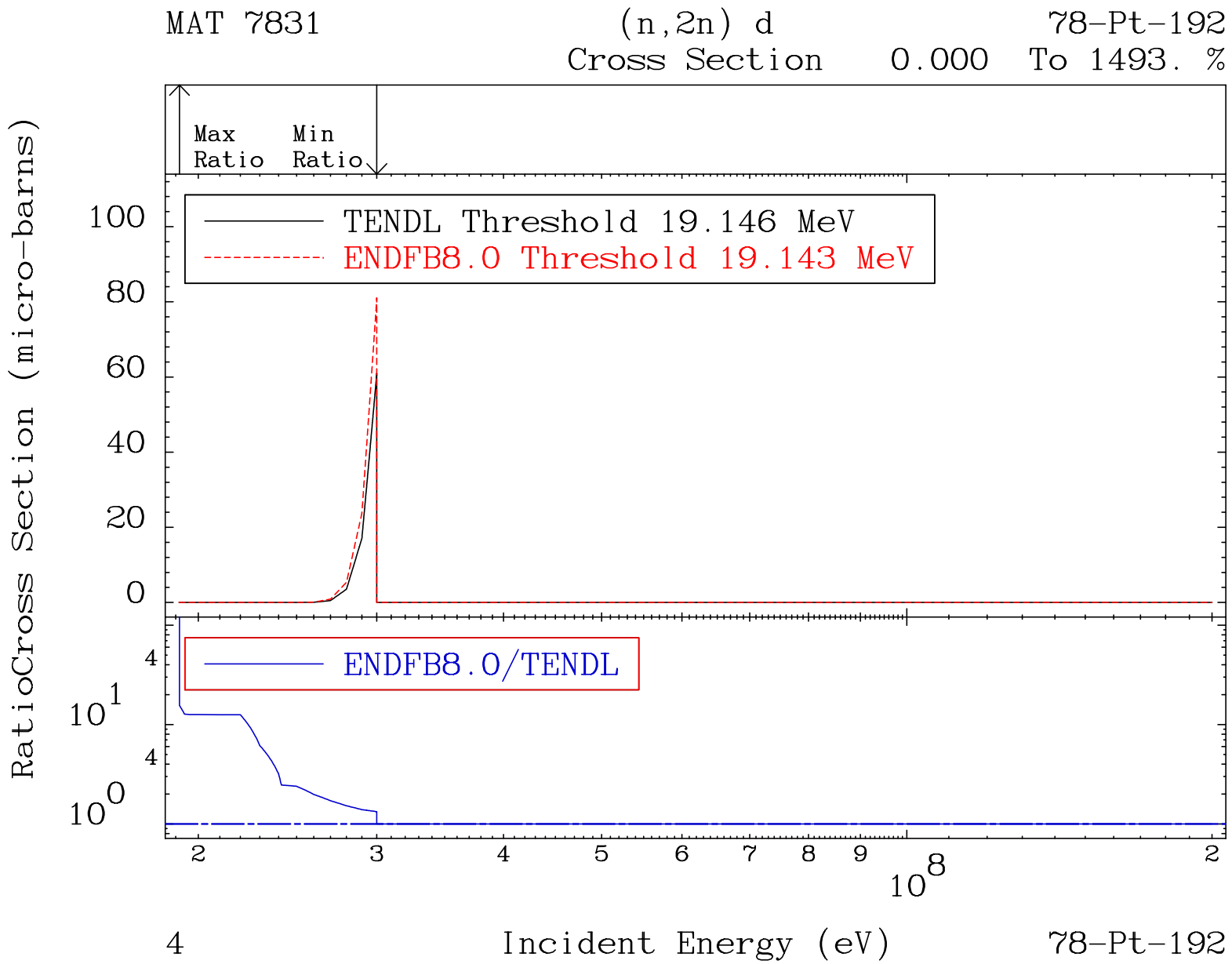
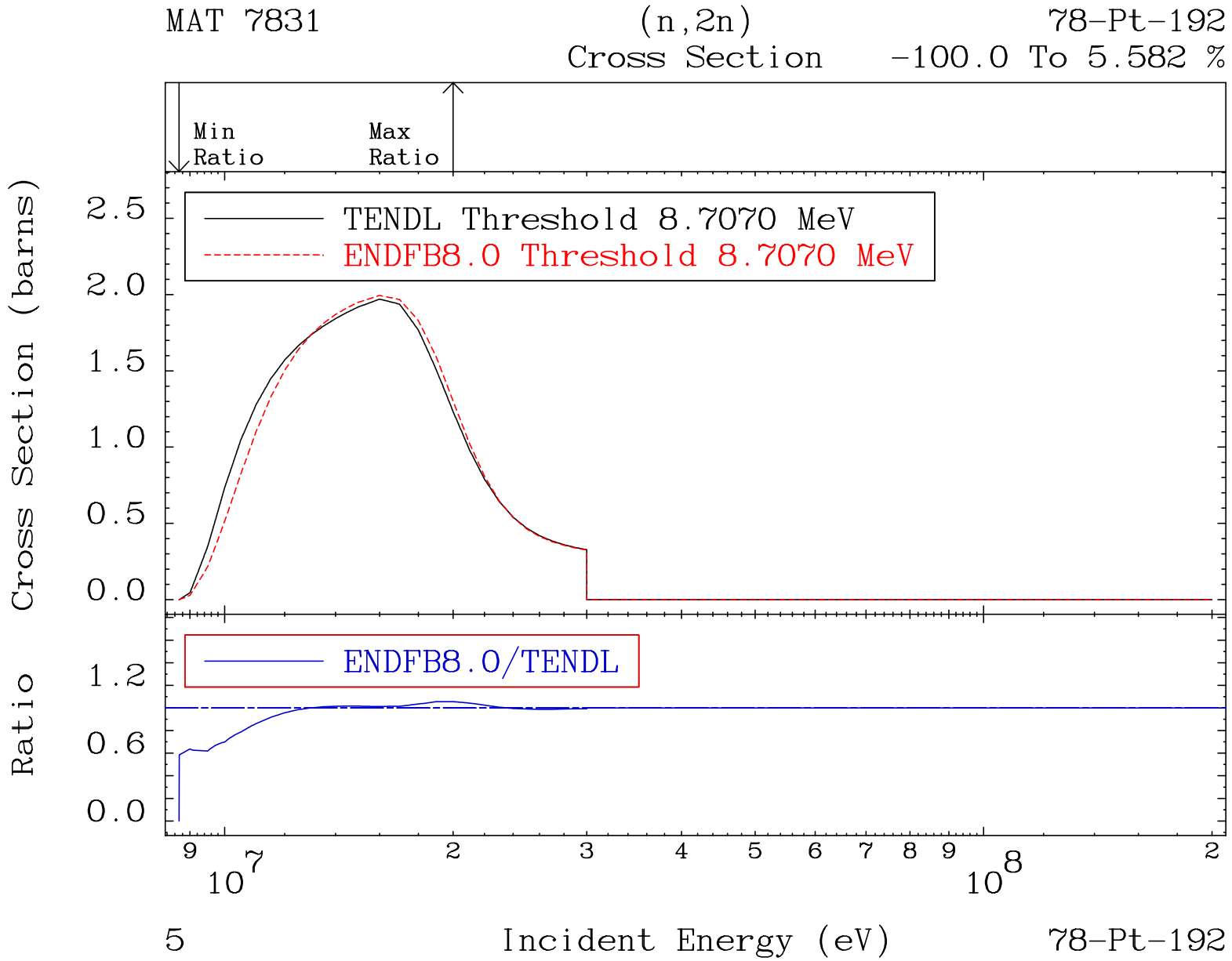
Press Mouse Button to Start

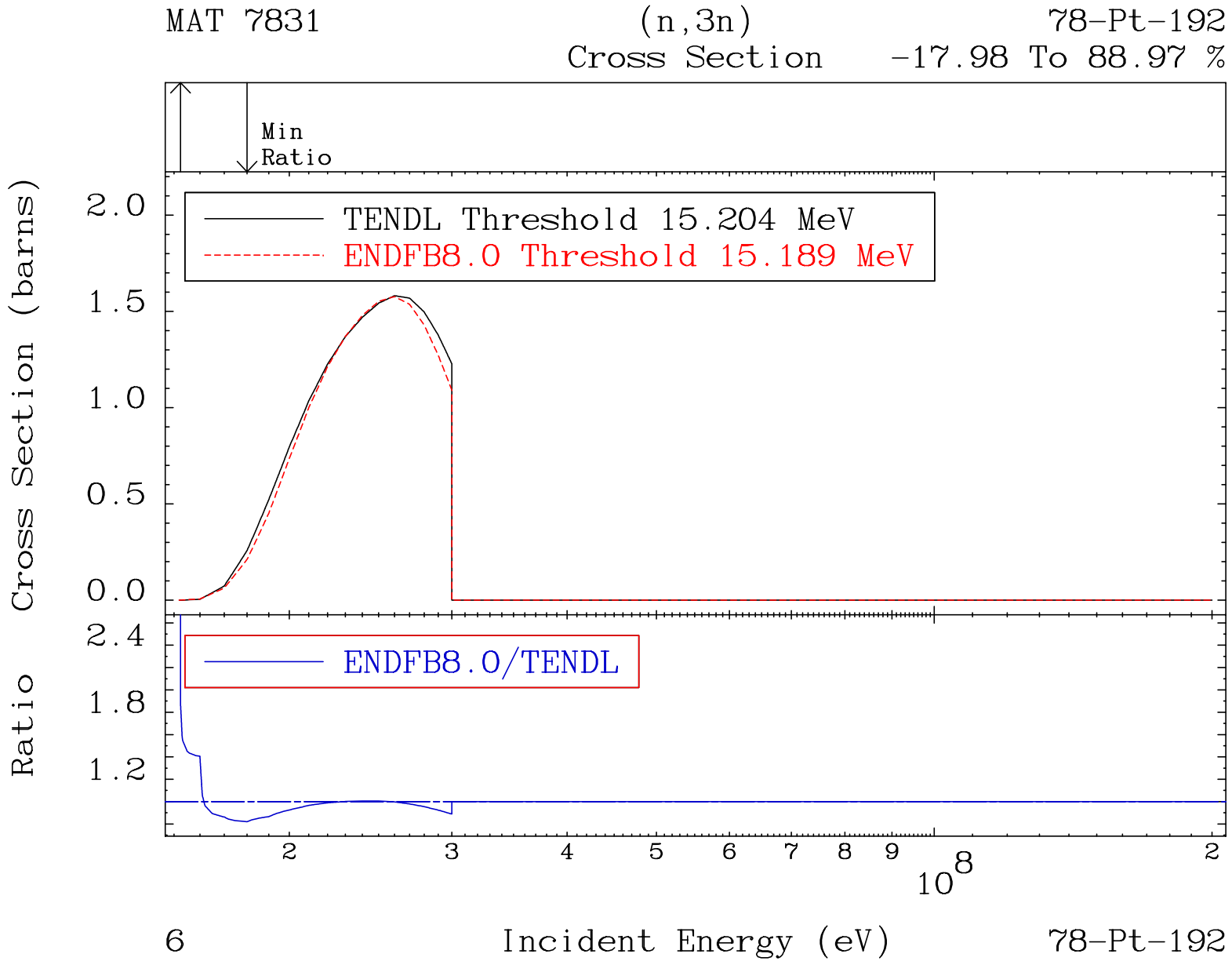

MAT 7831
Total
Cross Section
78-Pt-192
-98.39 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
78-Pt-192

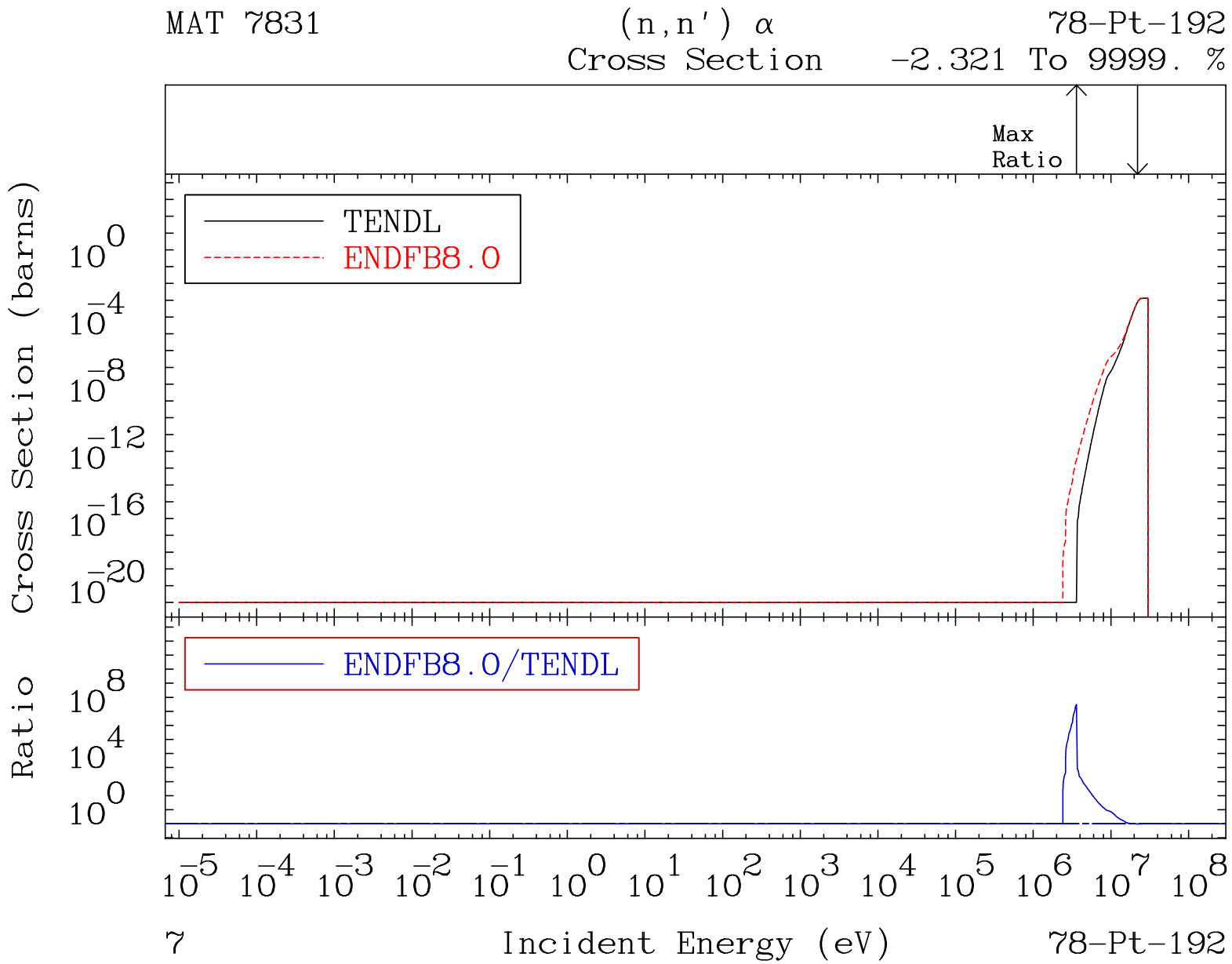

MAT 7831
Elastic
Cross Section
78-Pt-192
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
78-Pt-192

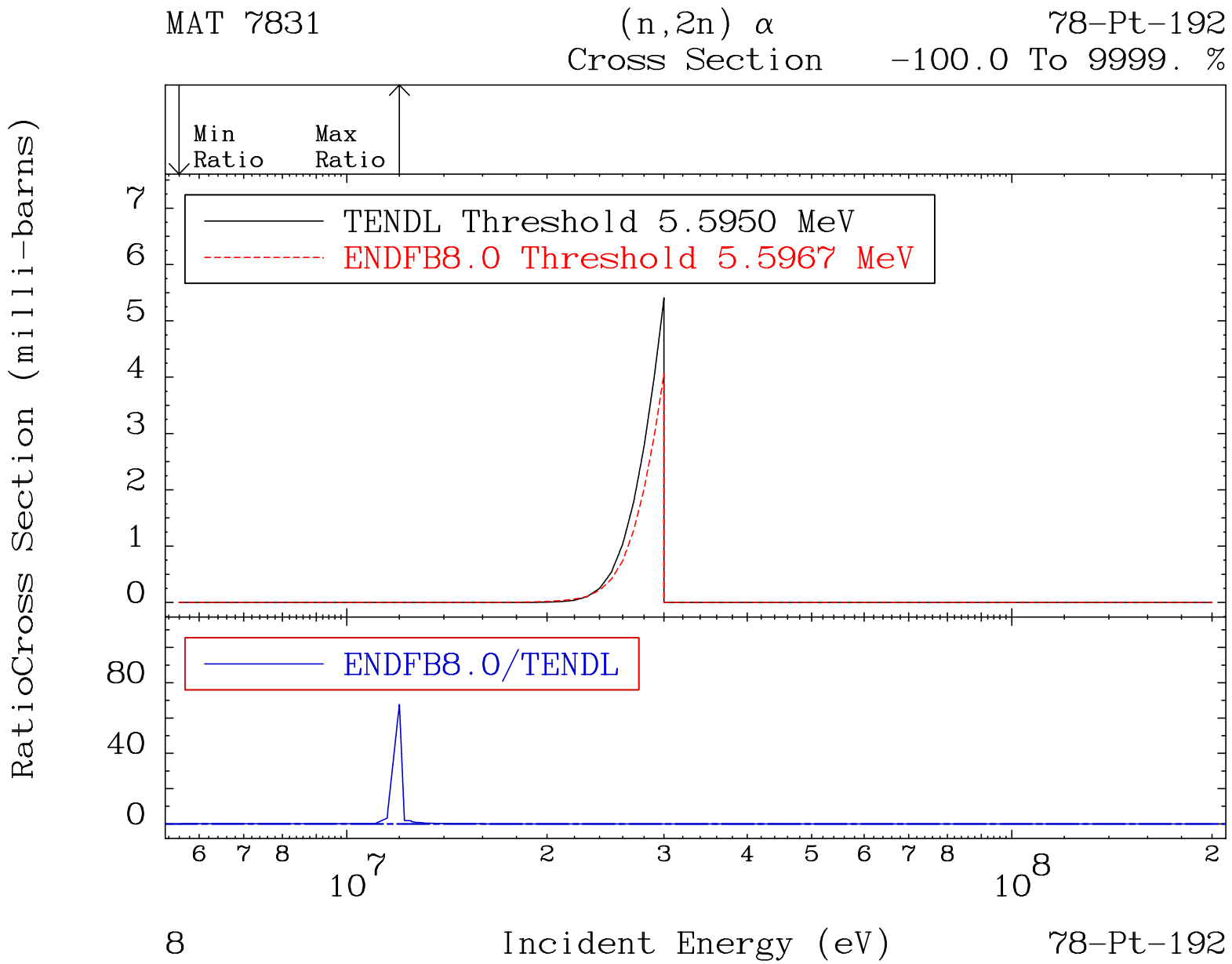

MAT 7831
Inelastic
Cross Section
78-Pt-192
-8.049 To 15.66 %
Min
Ratio
Max
Ratio
TENDL Threshold 318.17 keV
ENDFB8.0 Threshold 318.17 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.2
1.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
78-Pt-192

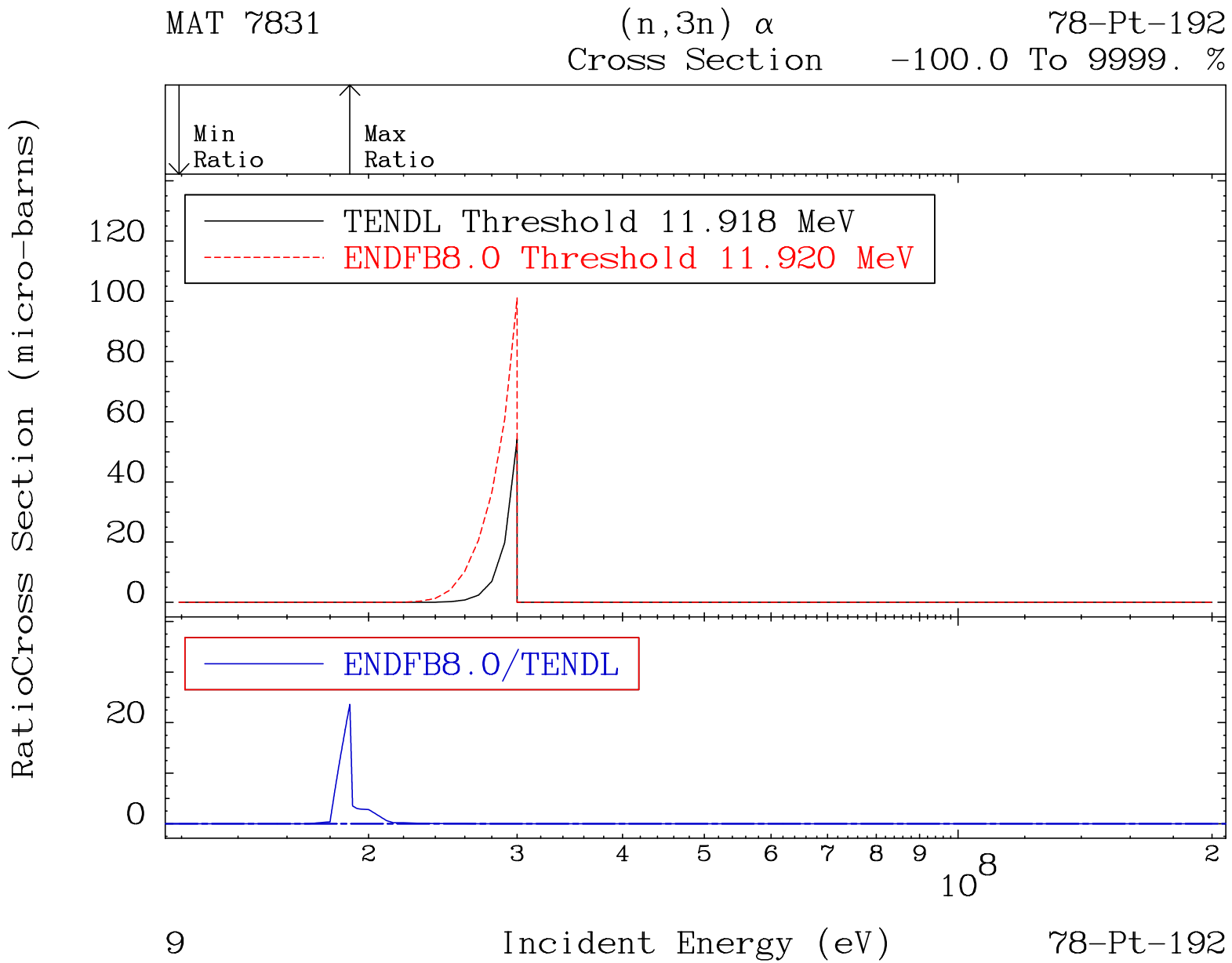

MAT 7831
(n,2n) d
78-Pt-192
Cross Section 0.000 To 1493. %
Max Ratio
Min Ratio
TENDL Threshold 19.146 MeV
ENDFB8.0 Threshold 19.143 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
78-Pt-192

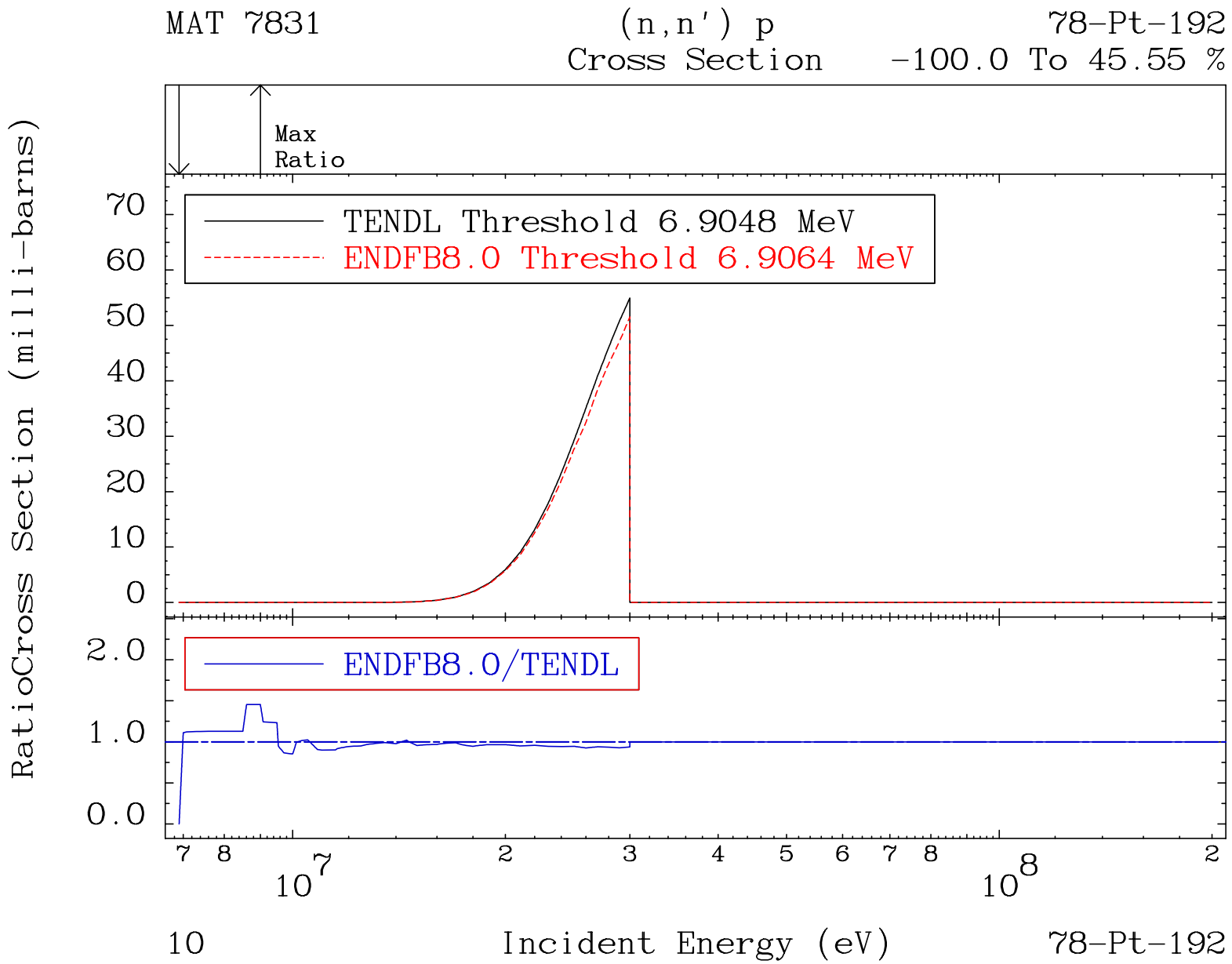

MAT 7831
(n,2n)
Cross Section
78-Pt-192
-100.0 To 5.582 %
Min Ratio
Max Ratio
TENDL Threshold 8.7070 MeV
ENDFB8.0 Threshold 8.7070 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78-Pt-192
5

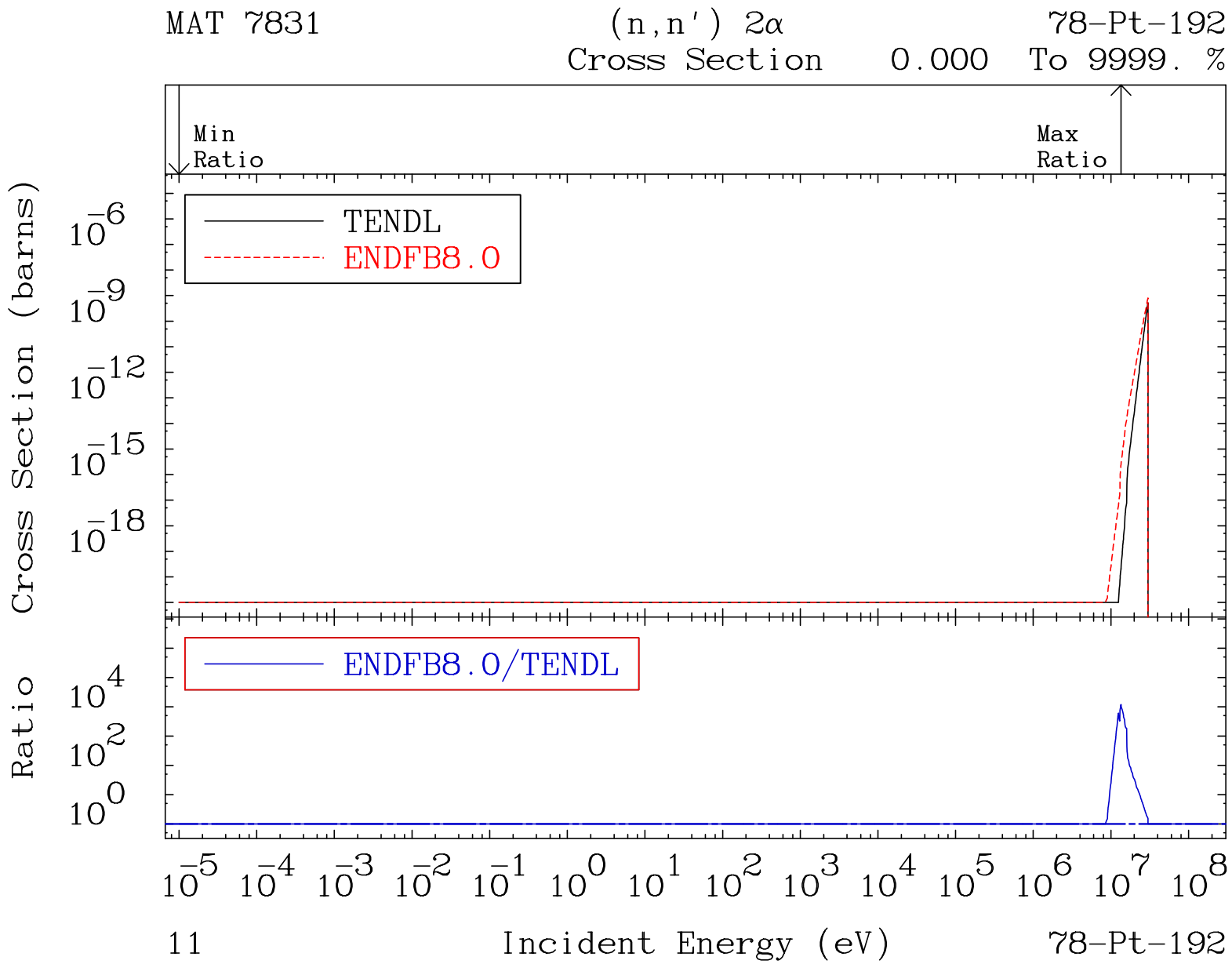

MAT 7831
(n,3n)
Cross Section
78-Pt-192
-17.98 To 88.97 %
Min
Ratio
TENDL Threshold 15.204 MeV
ENDFB8.0 Threshold 15.189 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2.4
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
78-Pt-192

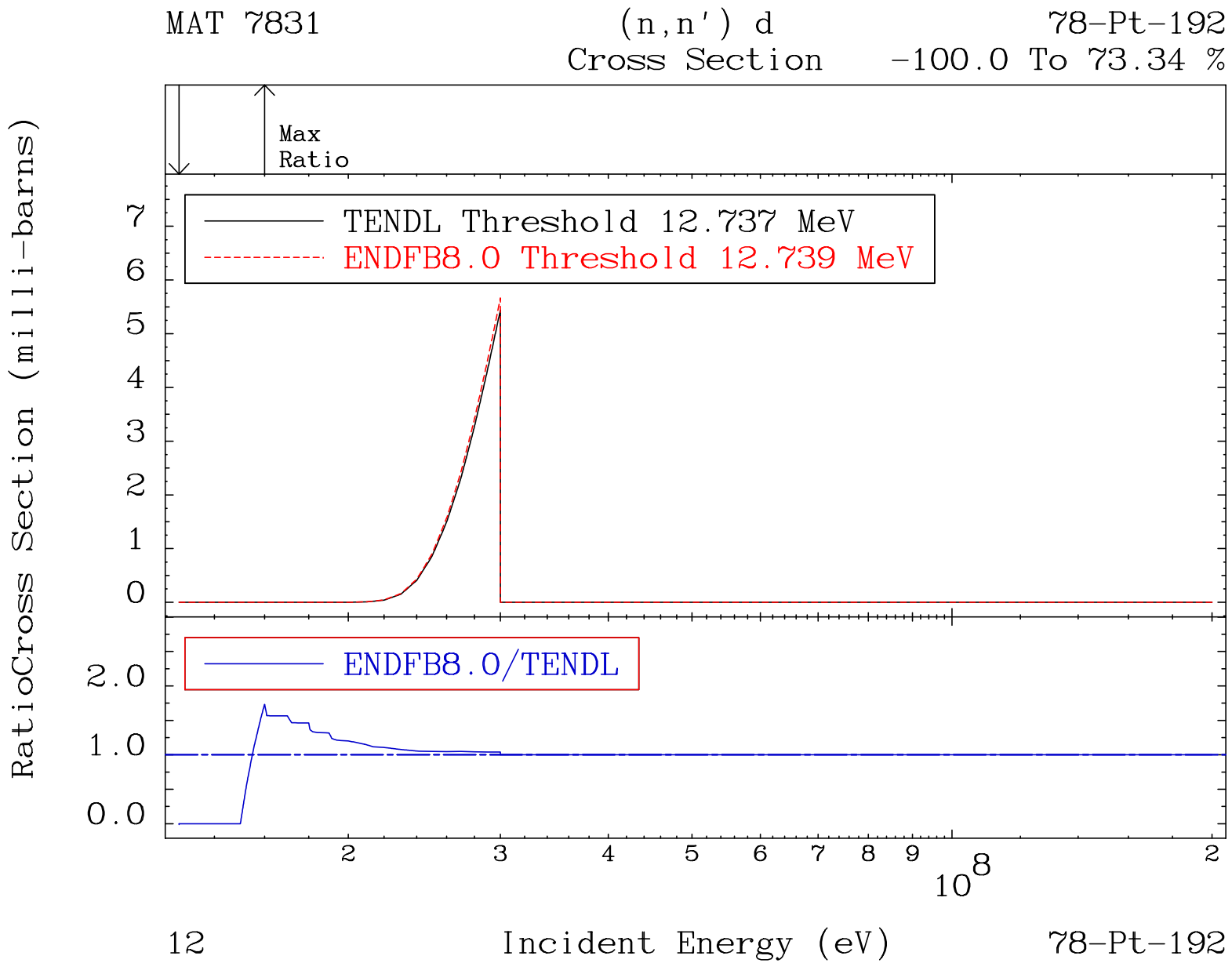

MAT 7831
(n,n') α
Cross Section
78-Pt-192
-2.321 To 9999. %
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
7
78-Pt-192

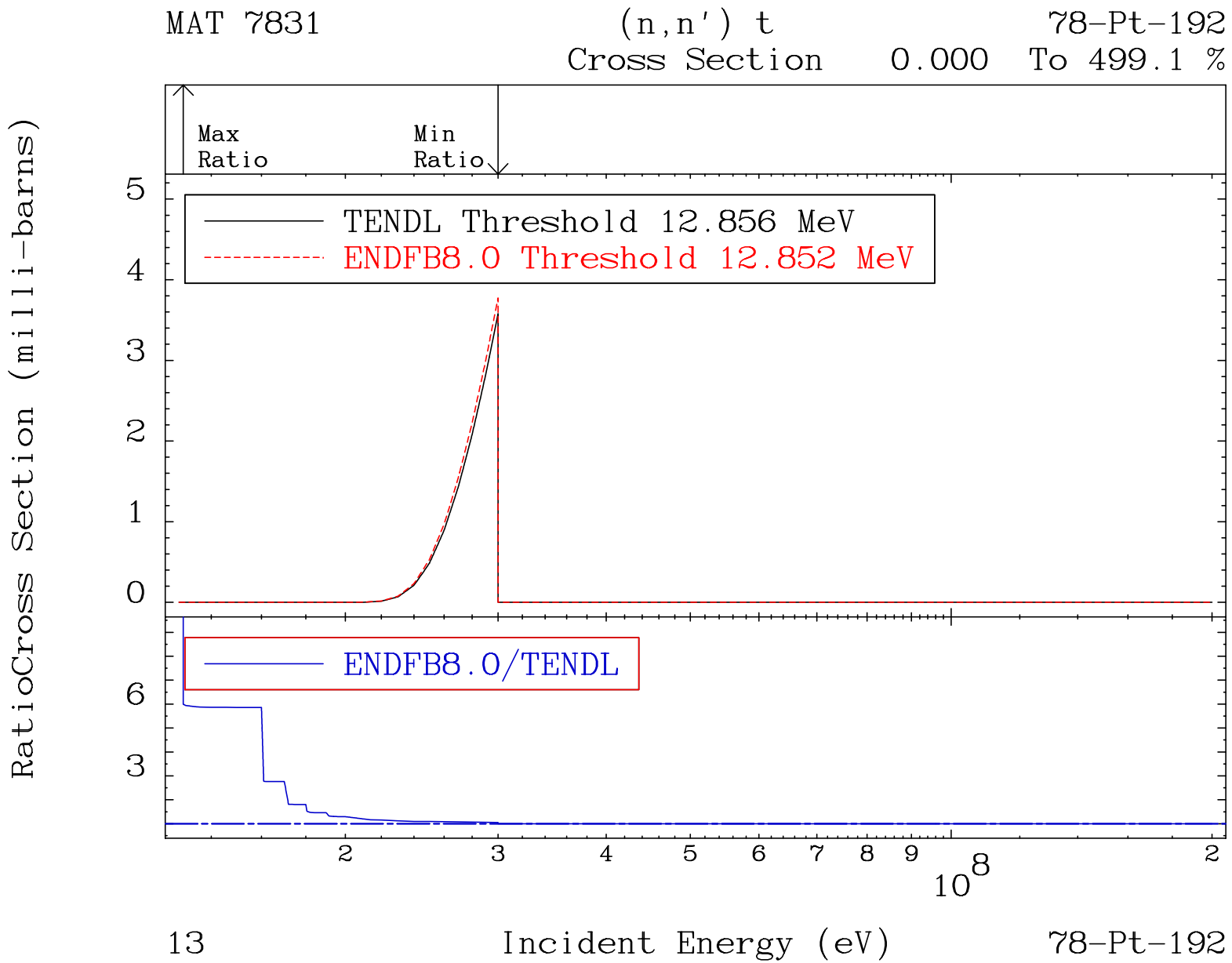

MAT 7831
(n,2n) α
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.5950 MeV
ENDFB8.0 Threshold 5.5967 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
78-Pt-192

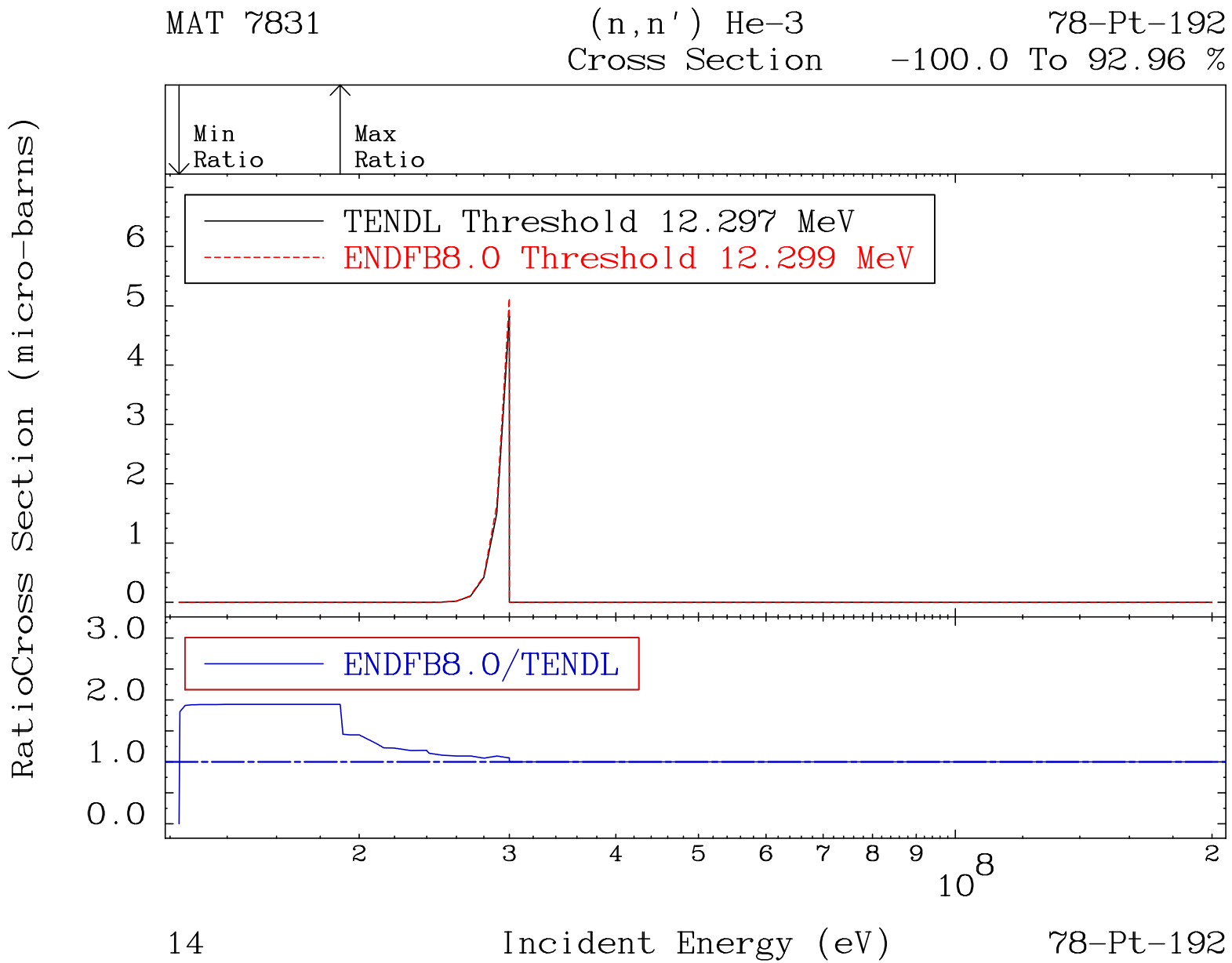

MAT 7831
(n,3n) α
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.918 MeV
ENDFB8.0 Threshold 11.920 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
20
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
78-Pt-192

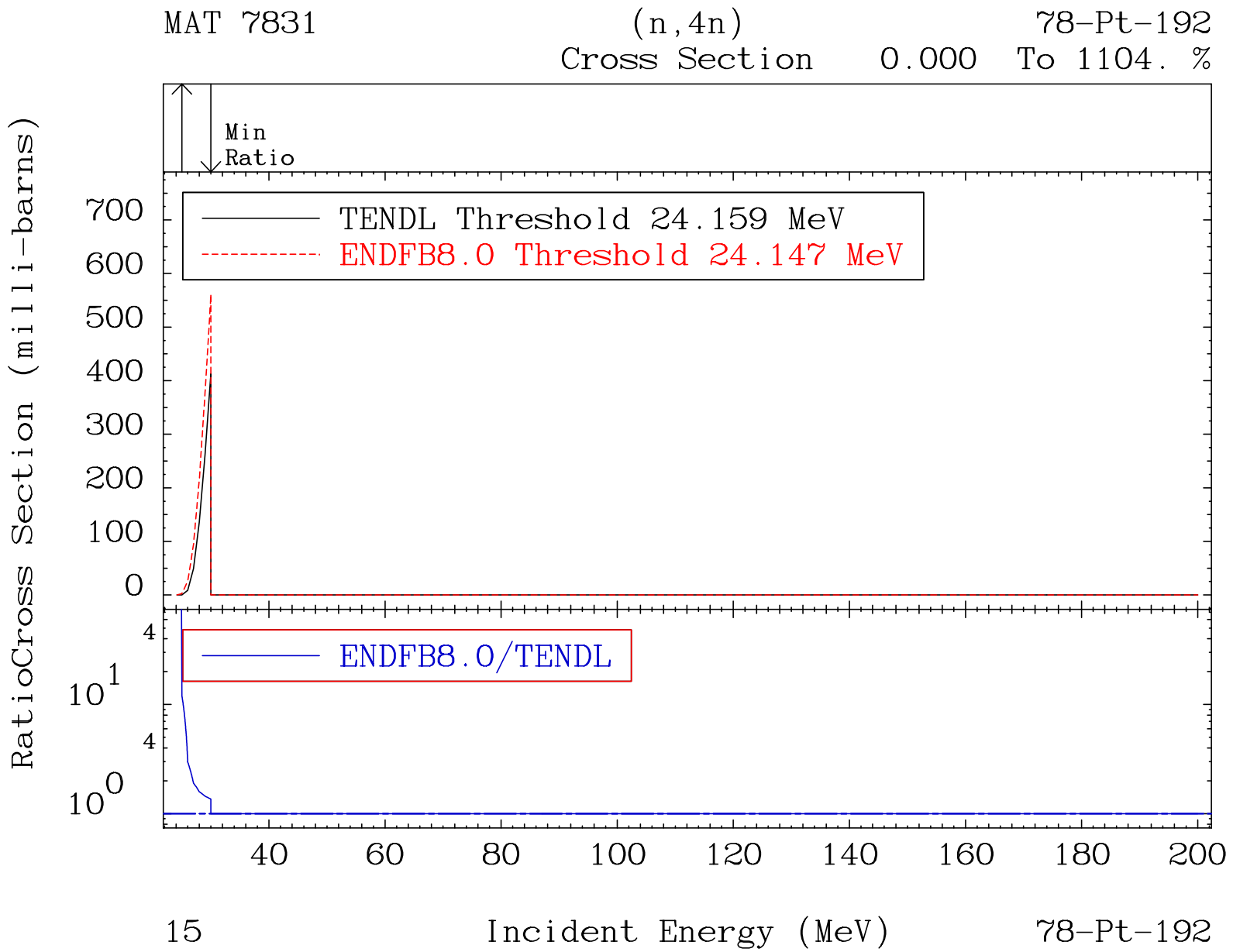

MAT 7831
(n,n') p
Cross Section
78-Pt-192
-100.0 To 45.55 %
Max
Ratio
TENDL Threshold 6.9048 MeV
ENDFB8.0 Threshold 6.9064 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
78-Pt-192

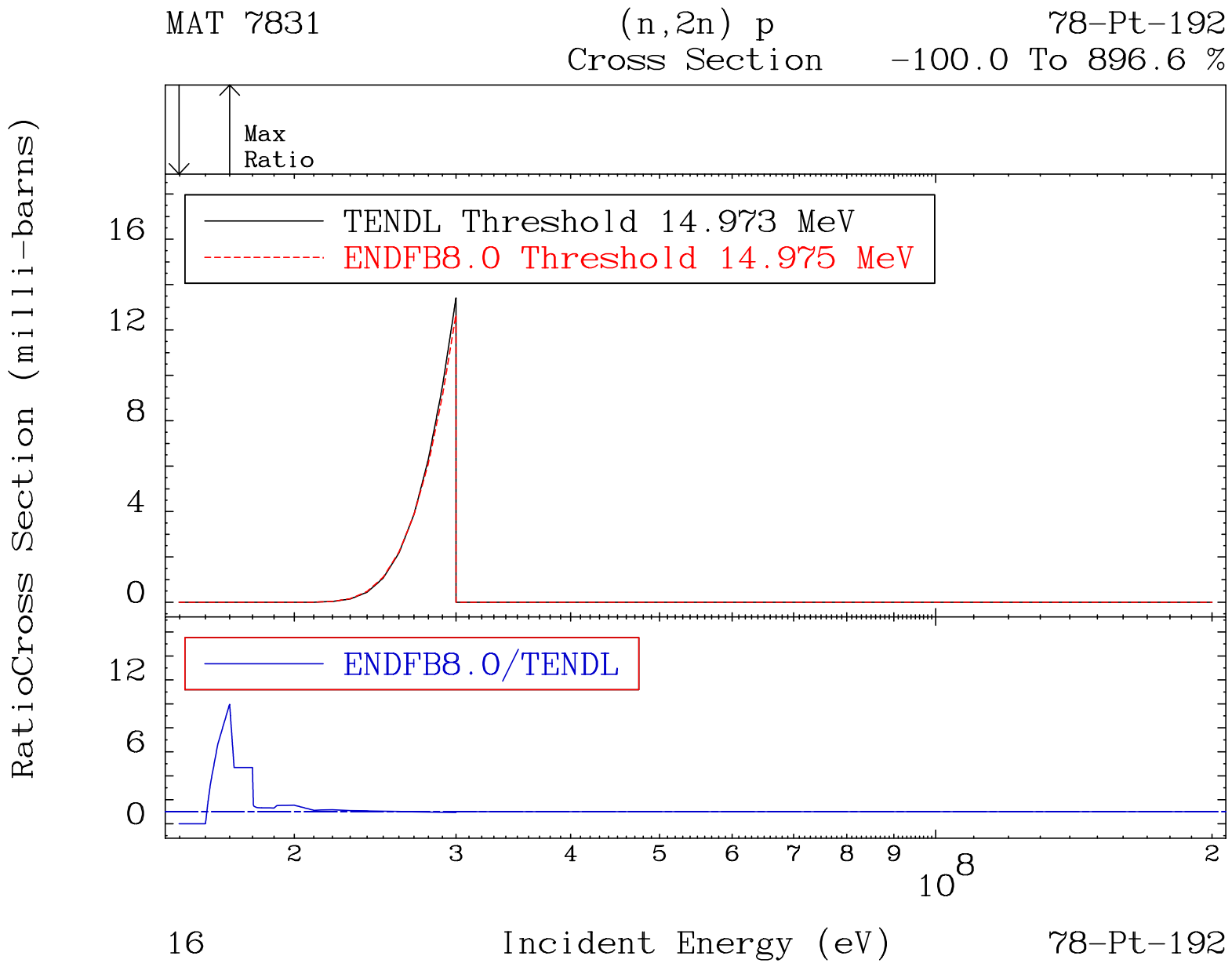

MAT 7831
(n,n') 2α
78-Pt-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
11
78-Pt-192

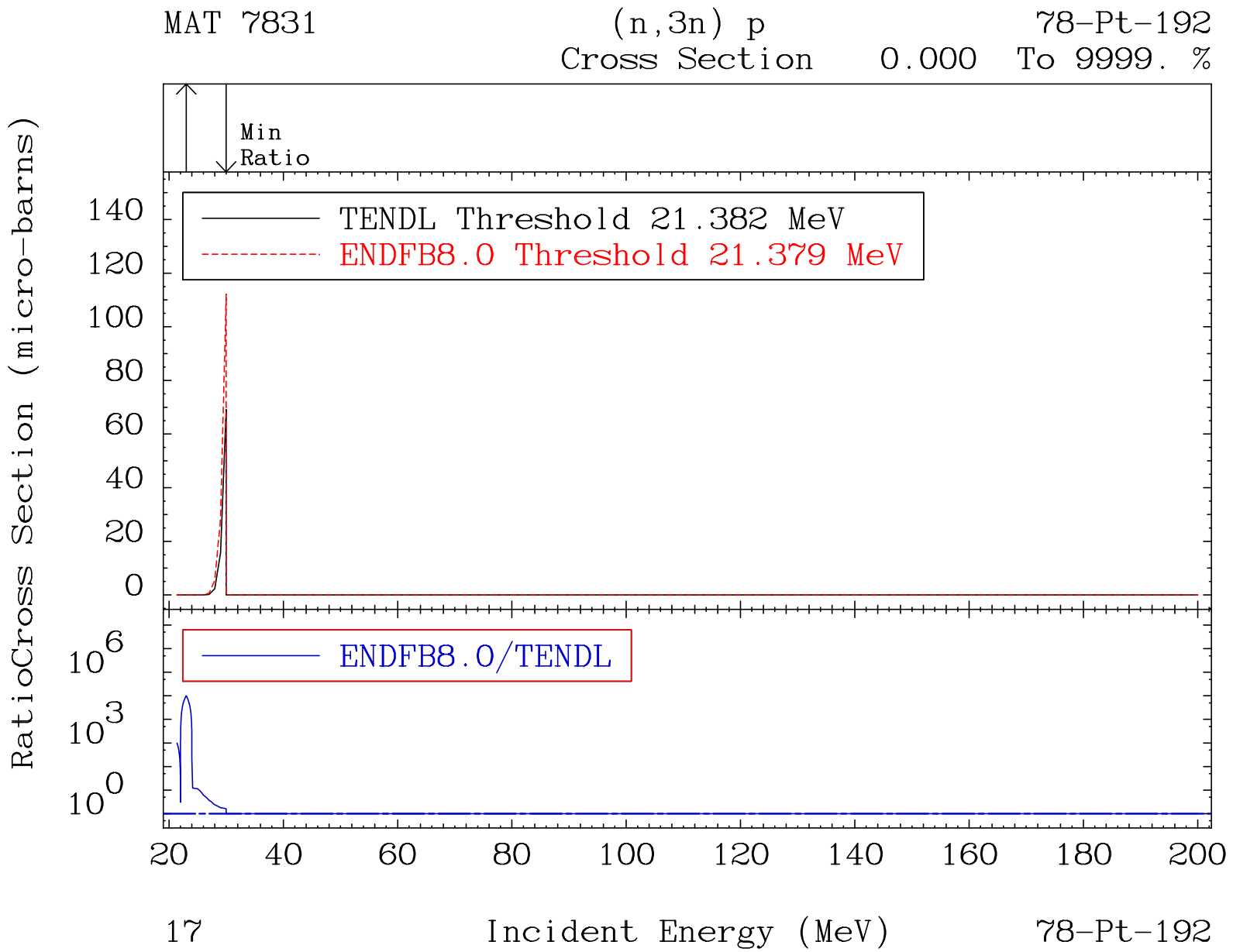

MAT 7831
(n,n') d
Cross Section
78-Pt-192
-100.0 To 73.34 %
Max
Ratio
TENDL Threshold 12.737 MeV
ENDFB8.0 Threshold 12.739 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
78-Pt-192

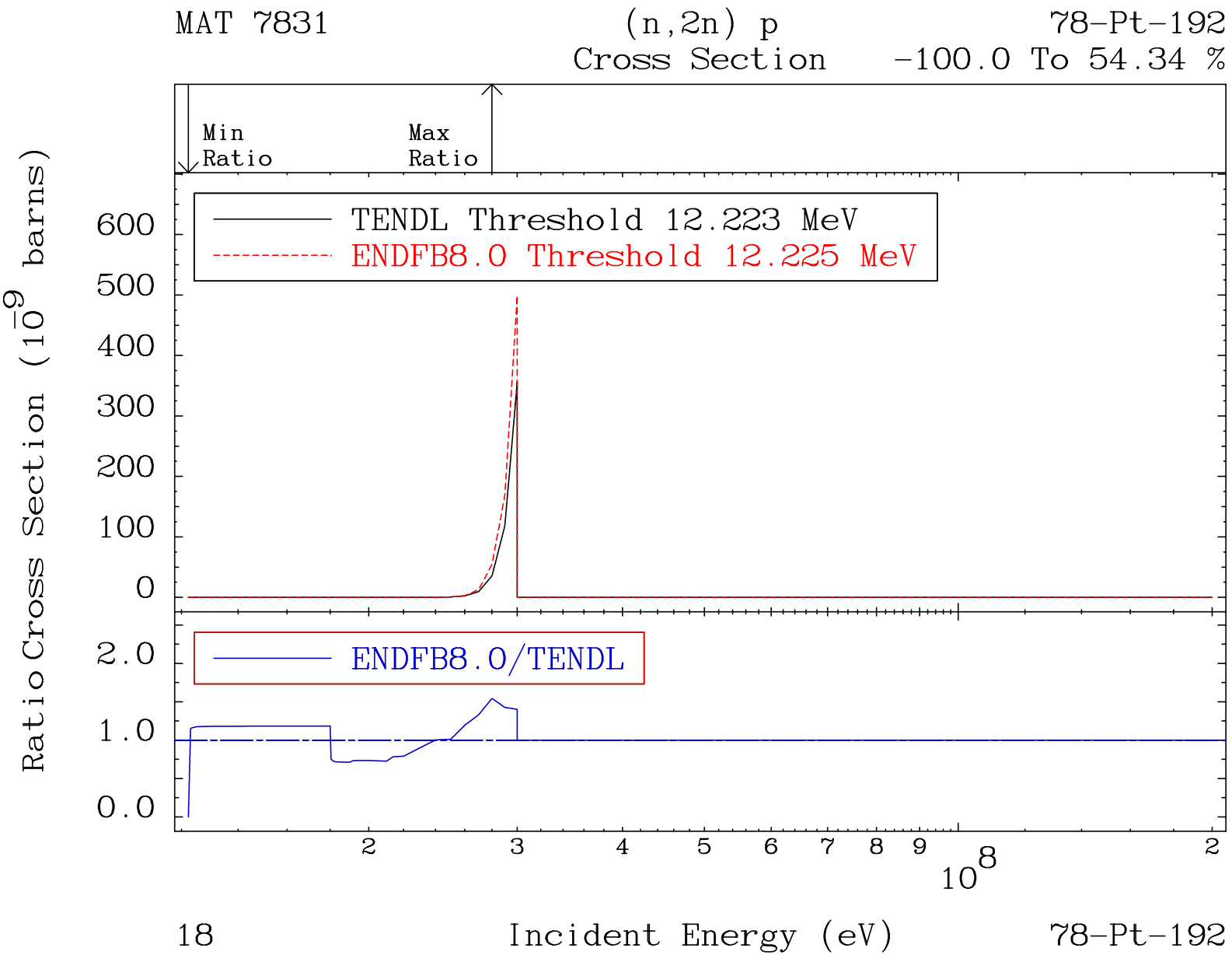

MAT 7831
(n,n') t
78-Pt-192
Cross Section 0.000 To 499.1 %
Max Ratio
Min Ratio
TENDL Threshold 12.856 MeV
ENDFB8.0 Threshold 12.852 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
78-Pt-192

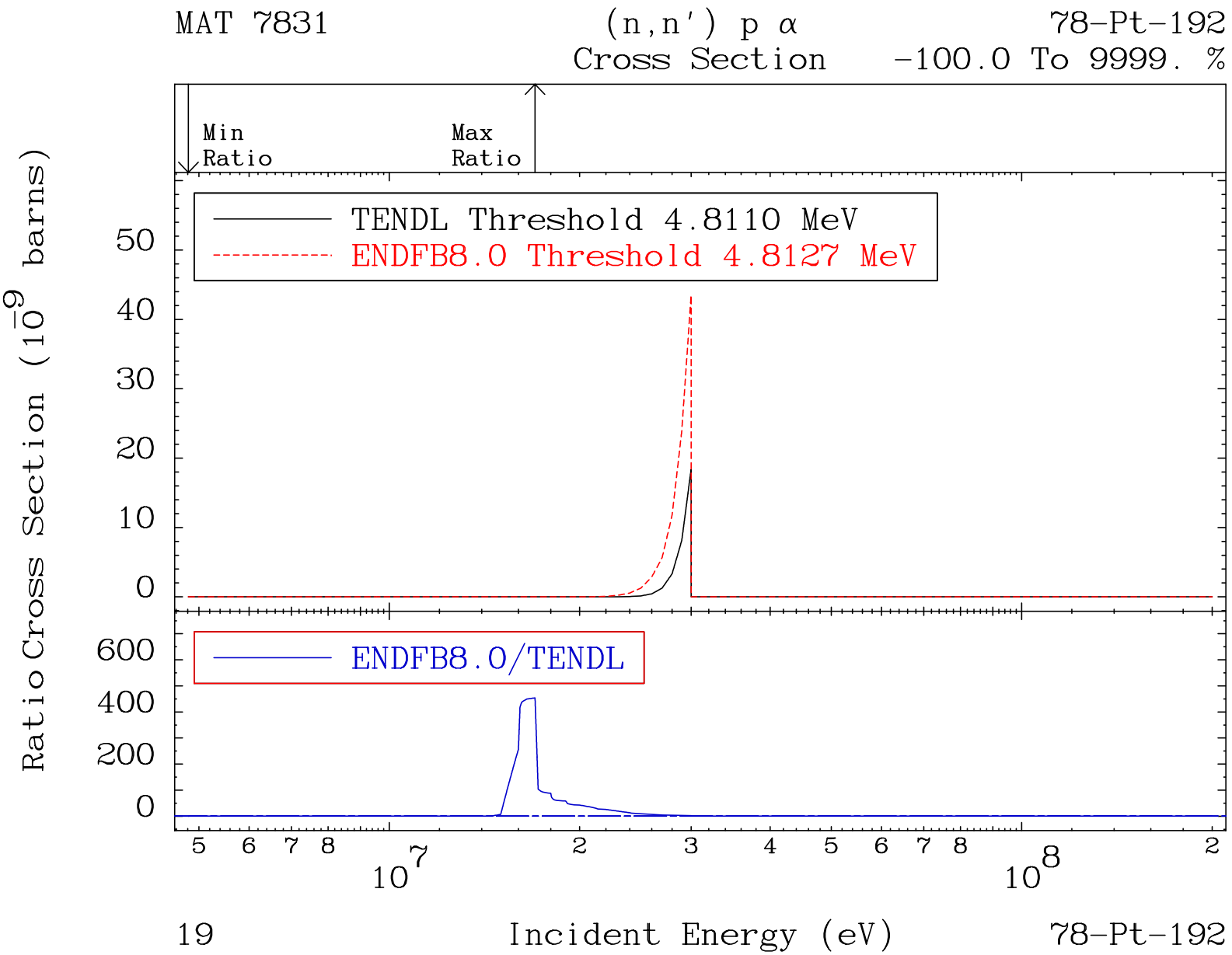

MAT 7831
(n,n') He-3
Cross Section
78-Pt-192
-100.0 To 92.96 %
Min Ratio
Max Ratio
TENDL Threshold 12.297 MeV
ENDFB8.0 Threshold 12.299 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
14
78-Pt-192

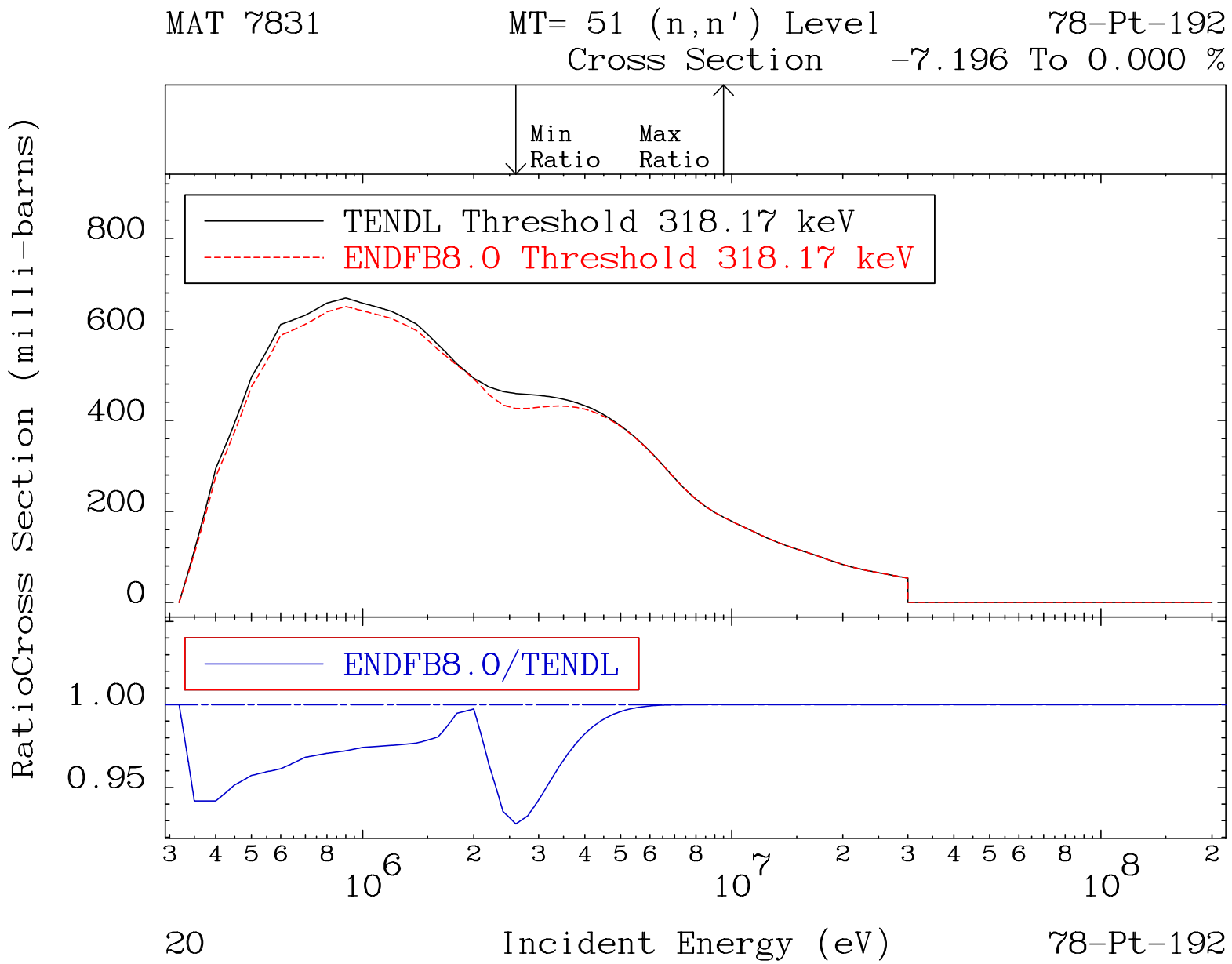

MAT 7831
(n,4n)
78-Pt-192
Cross Section 0.000 To 1104. %
Min
Ratio
TENDL Threshold 24.159 MeV
ENDFB8.0 Threshold 24.147 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
78-Pt-192

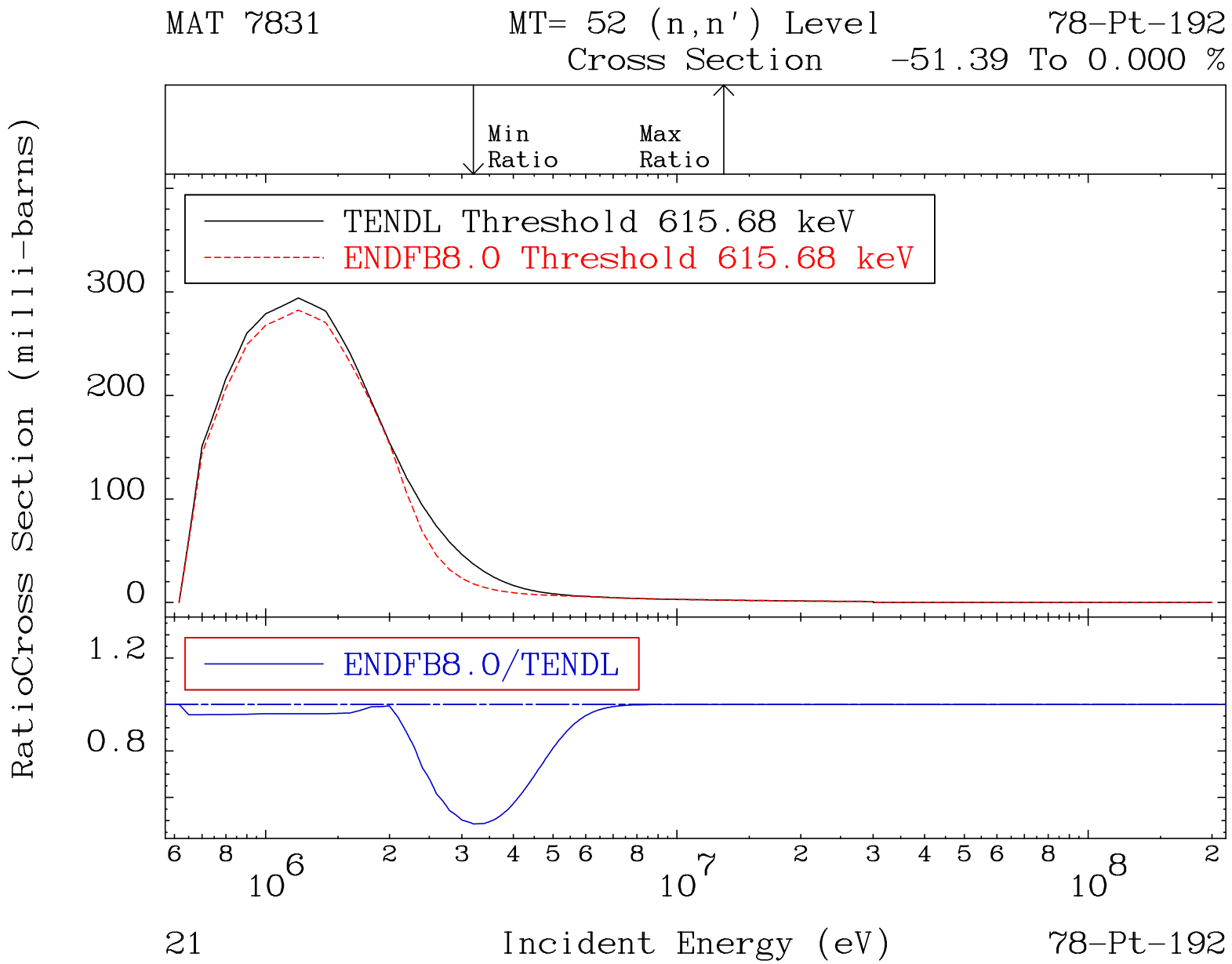

MAT 7831
(n,2n) p
Cross Section
78-Pt-192
-100.0 To 896.6 %
Max
Ratio
TENDL Threshold 14.973 MeV
ENDFB8.0 Threshold 14.975 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
78-Pt-192

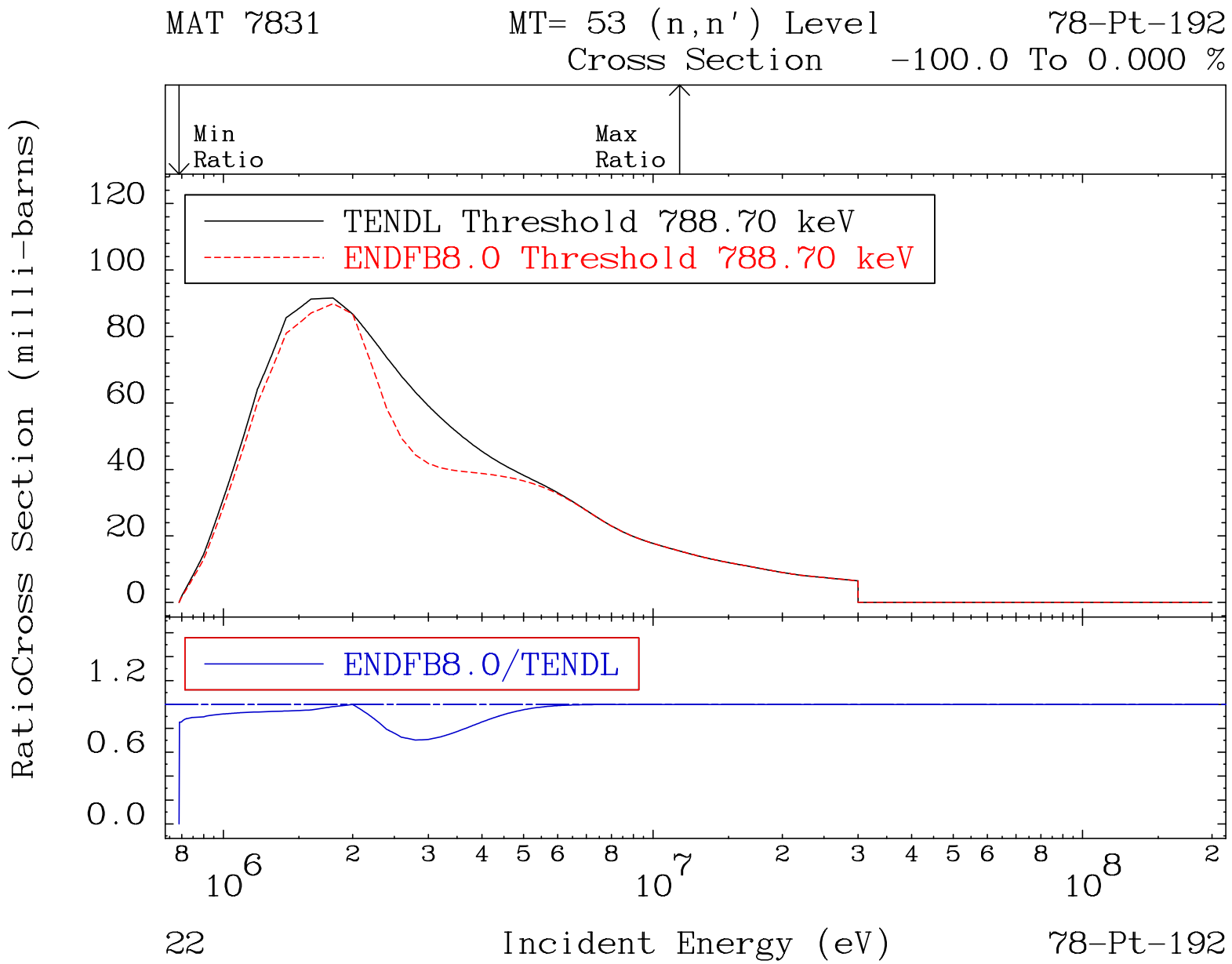

MAT 7831
(n,3n) p
78-Pt-192
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.382 MeV
ENDFB8.0 Threshold 21.379 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
140
120
100
80
60
40
20
0
10^6
10^3
10^0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
78-Pt-192

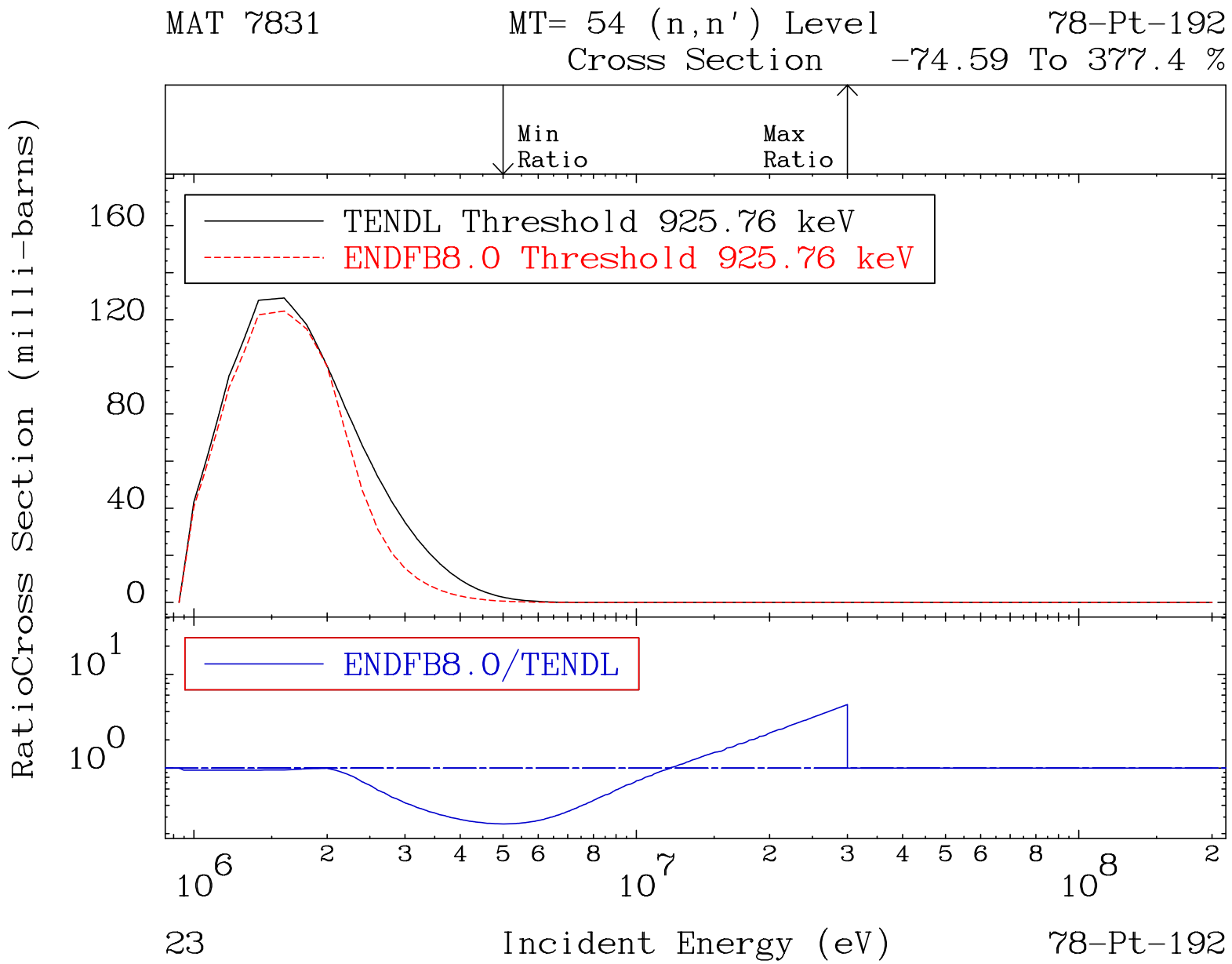

MAT 7831
(n,2n) p
Cross Section
78-Pt-192
-100.0 To 54.34 %
Min Ratio
Max Ratio
TENDL Threshold 12.223 MeV
ENDFB8.0 Threshold 12.225 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
78-Pt-192

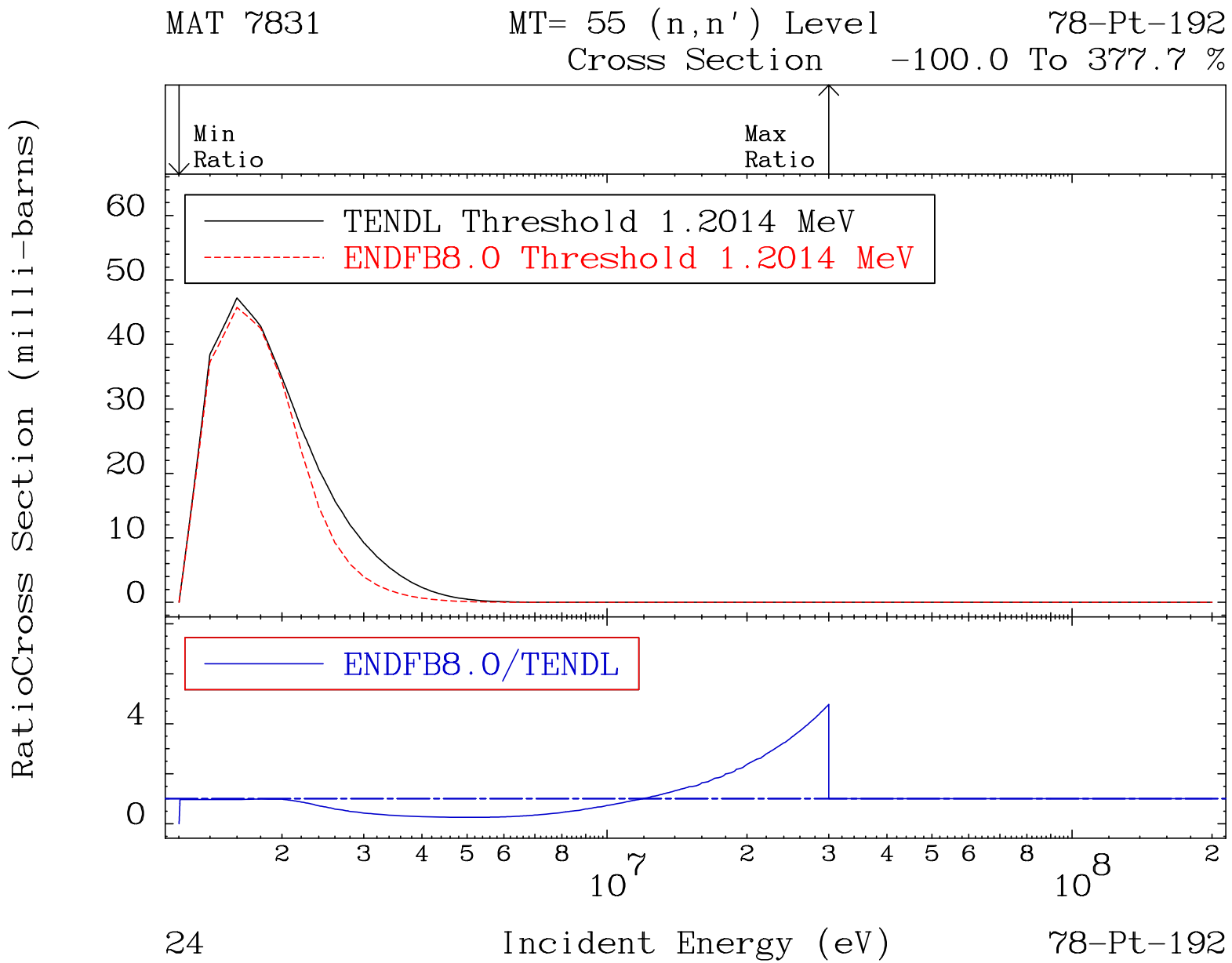

MAT 7831
(n,n') p α
78-Pt-192
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.8110 MeV
ENDFB8.0 Threshold 4.8127 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
50
40
30
20
10
0
600
400
200
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
78-Pt-192

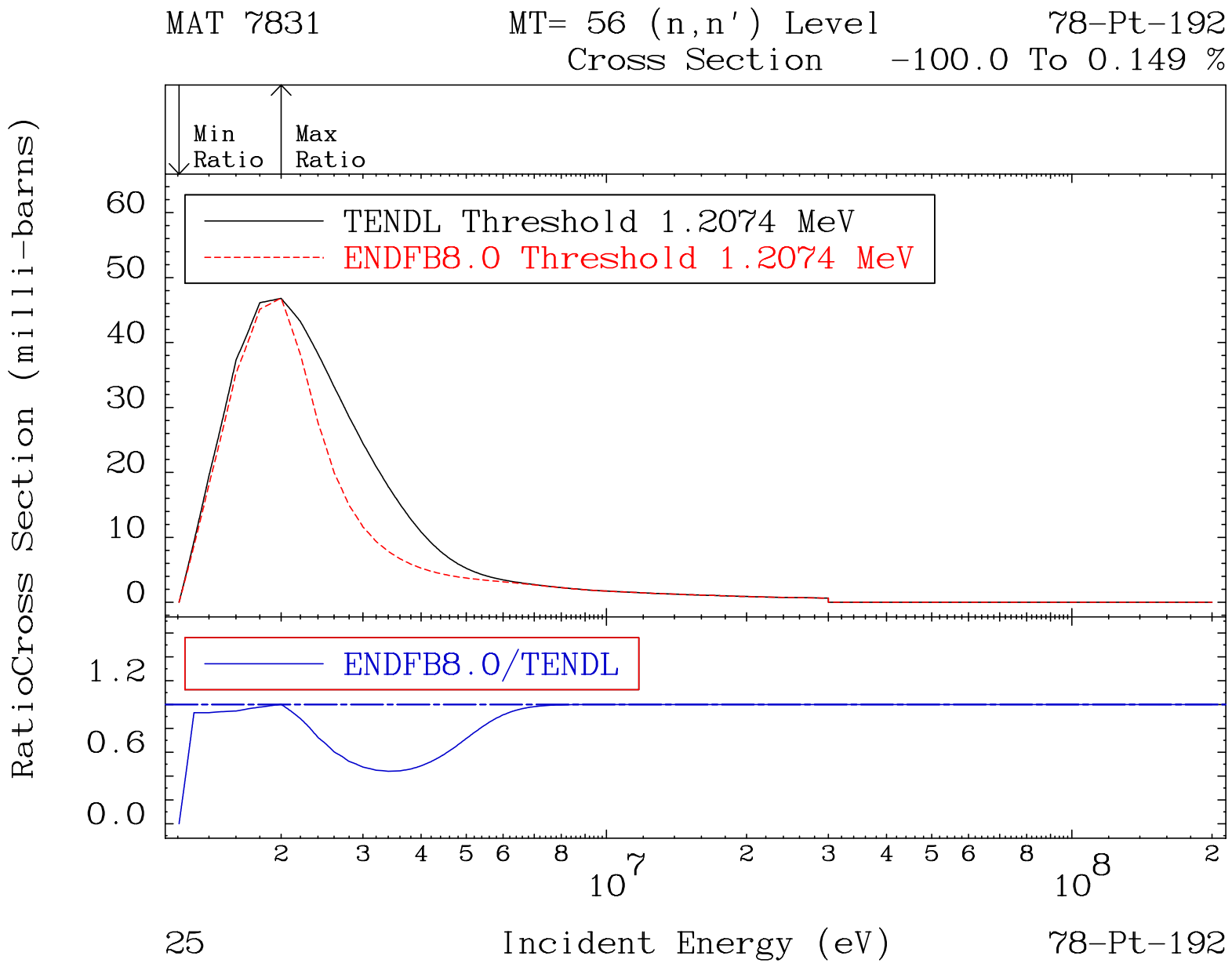

MAT 7831
MT= 51 (n,n') Level
78-Pt-192
Cross Section
-7.196 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 318.17 keV
ENDFB8.0 Threshold 318.17 keV
800
600
400
200
0
ENDFB8.0/TENDL
1.00
0.95
RatioCross Section (milli-barns)
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
78-Pt-192

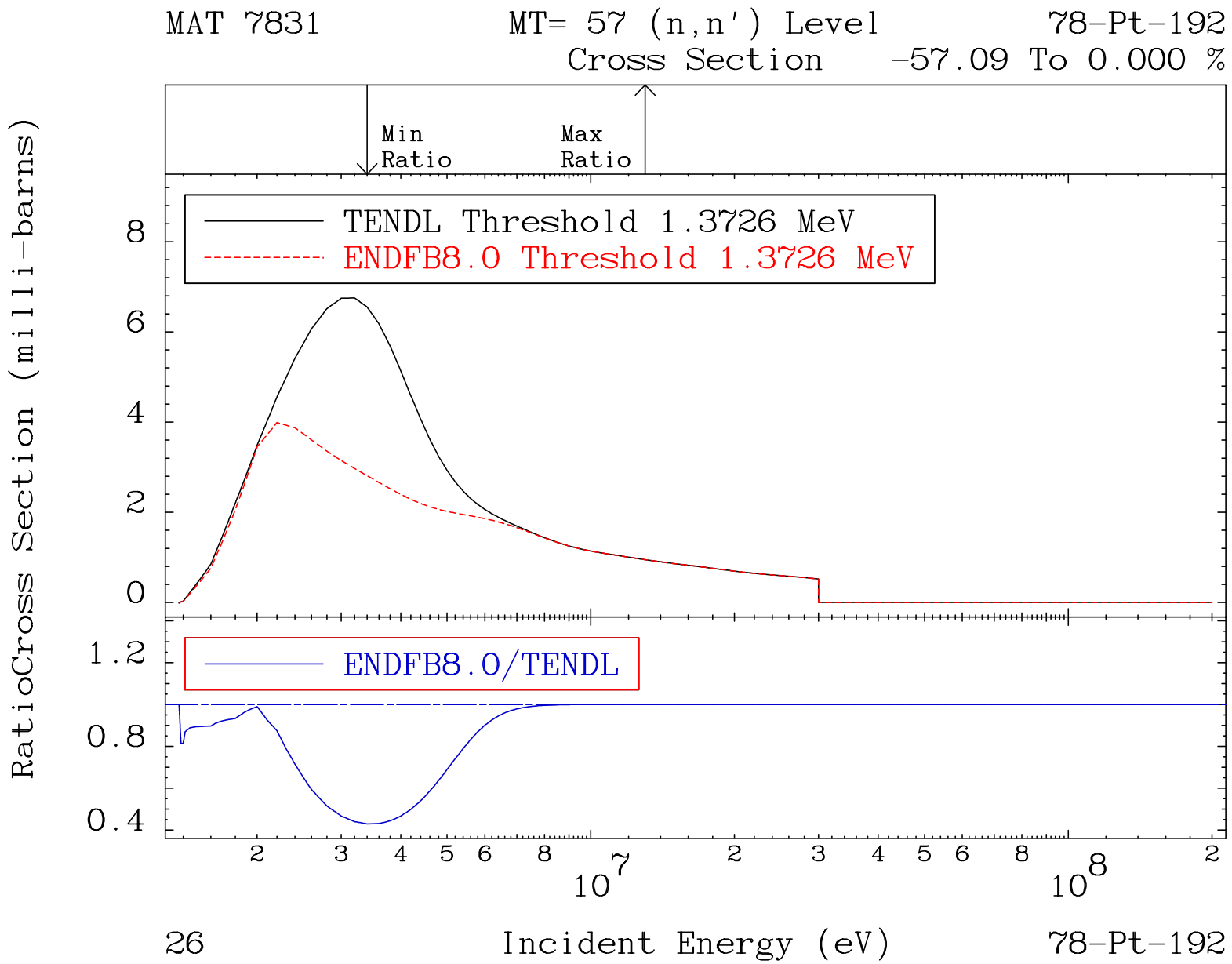

MAT 7831
MT= 52 (n,n') Level
78-Pt-192
Cross Section
-51.39 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 615.68 keV
ENDFB8.0 Threshold 615.68 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
0.8
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
78-Pt-192

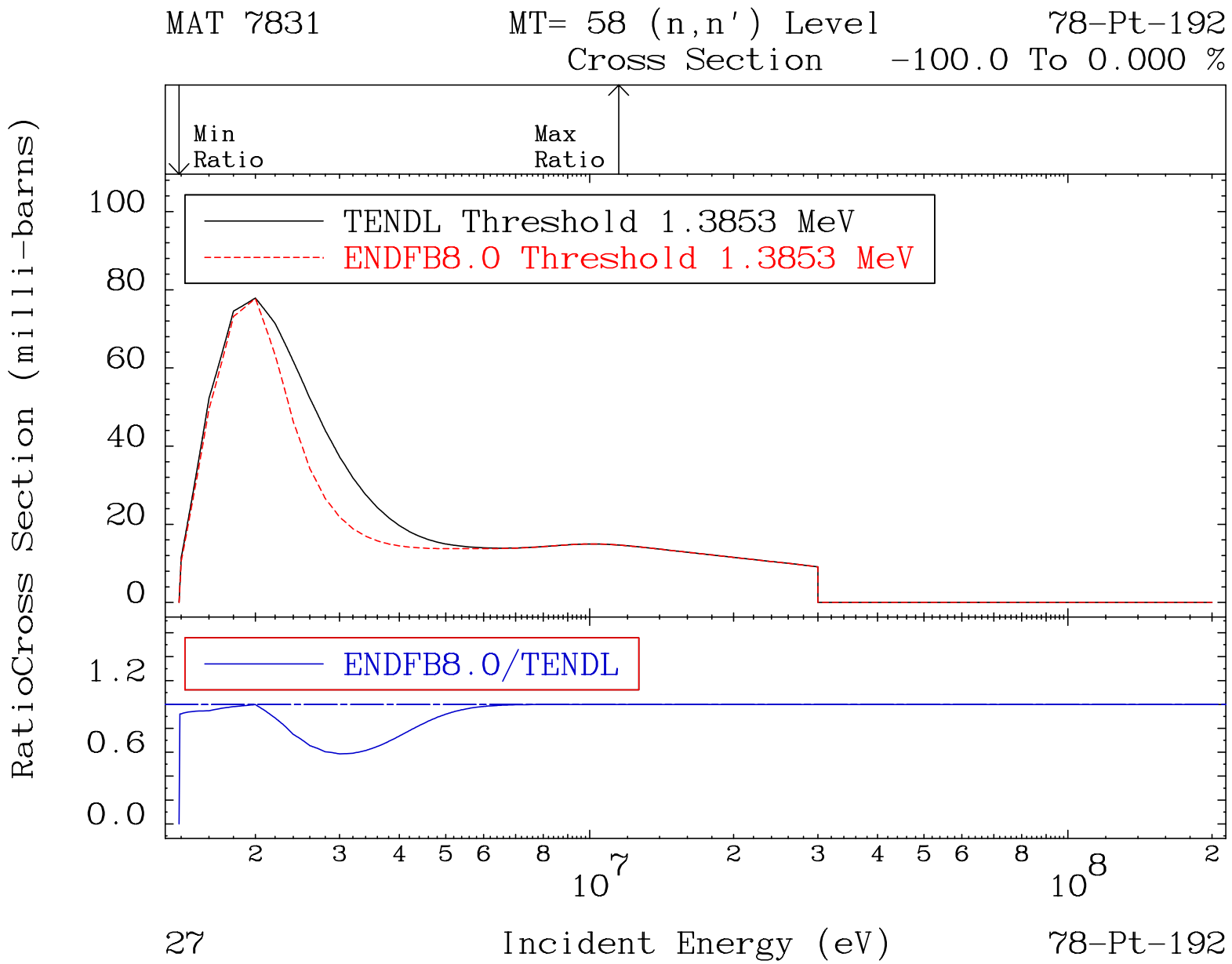

MAT 7831
MT= 53 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 788.70 keV
ENDFB8.0 Threshold 788.70 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
78-Pt-192

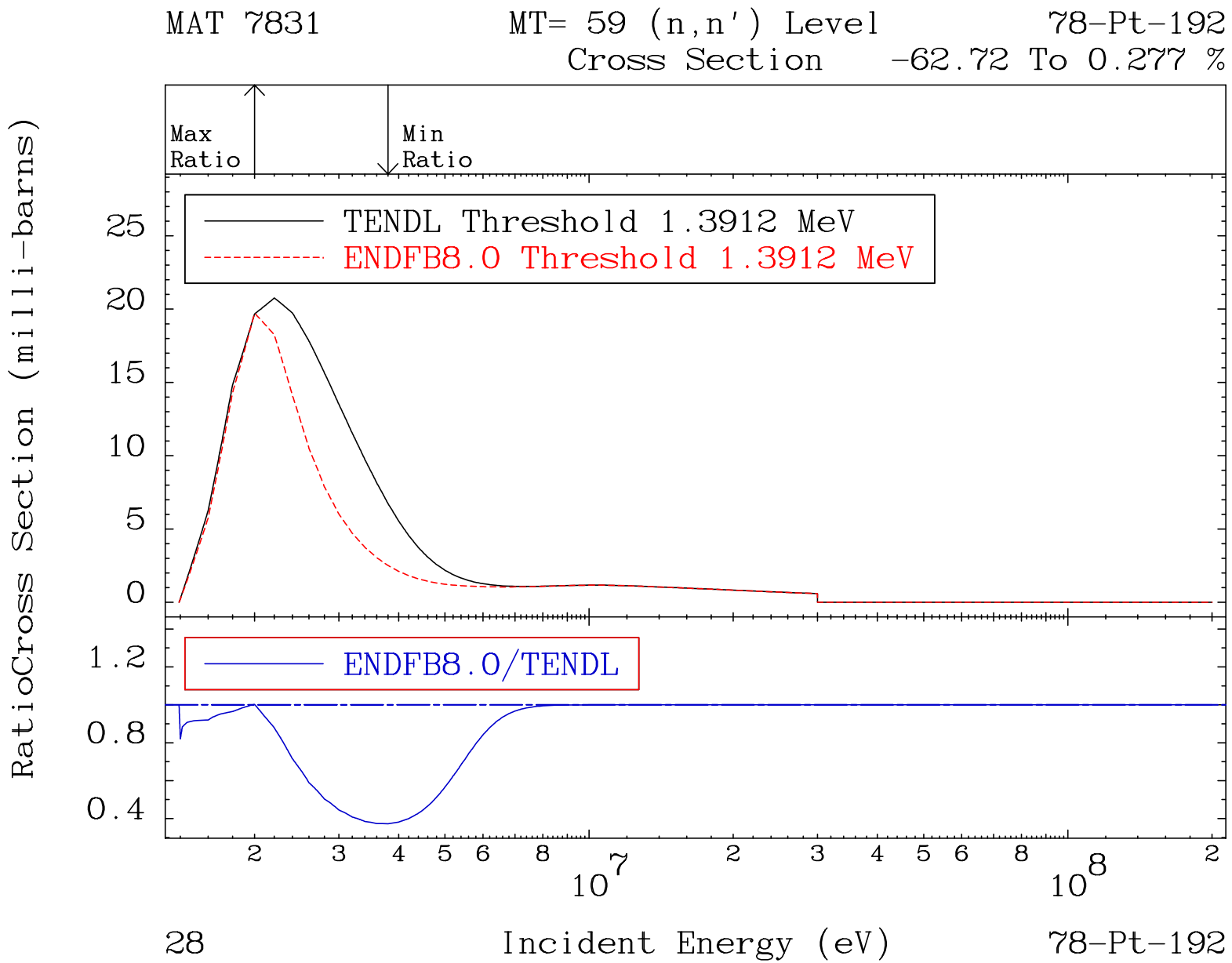

MAT 7831
MT= 54 (n,n') Level
78-Pt-192
Cross Section -74.59 To 377.4 %
Min Ratio
Max Ratio
TENDL Threshold 925.76 keV
ENDFB8.0 Threshold 925.76 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^1
10^0
10^6
10^7
10^8
Incident Energy (eV)
23
78-Pt-192

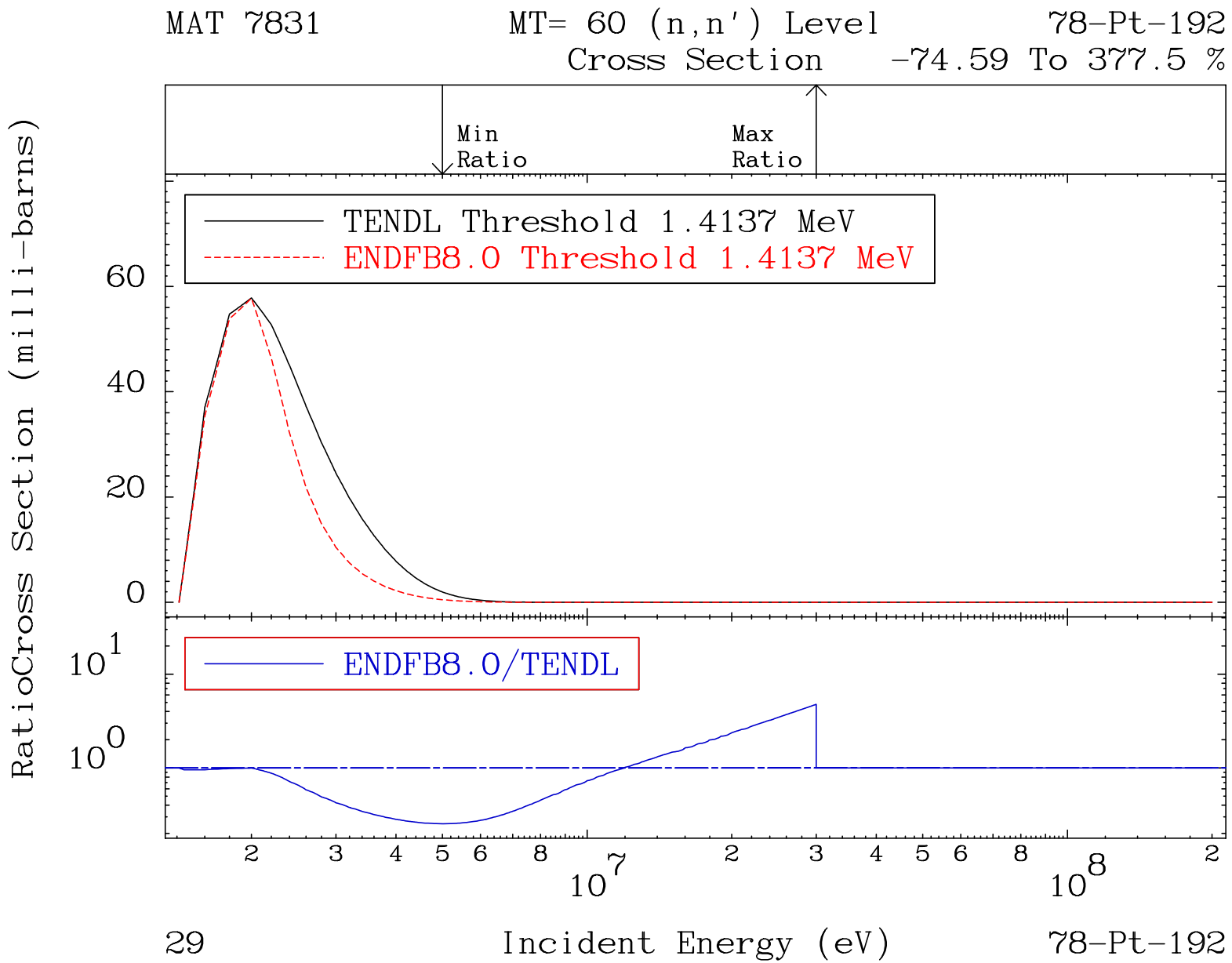

MAT 7831
MT= 55 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 377.7 %
Min Ratio
Max Ratio
TENDL Threshold 1.2014 MeV
ENDFB8.0 Threshold 1.2014 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
78-Pt-192

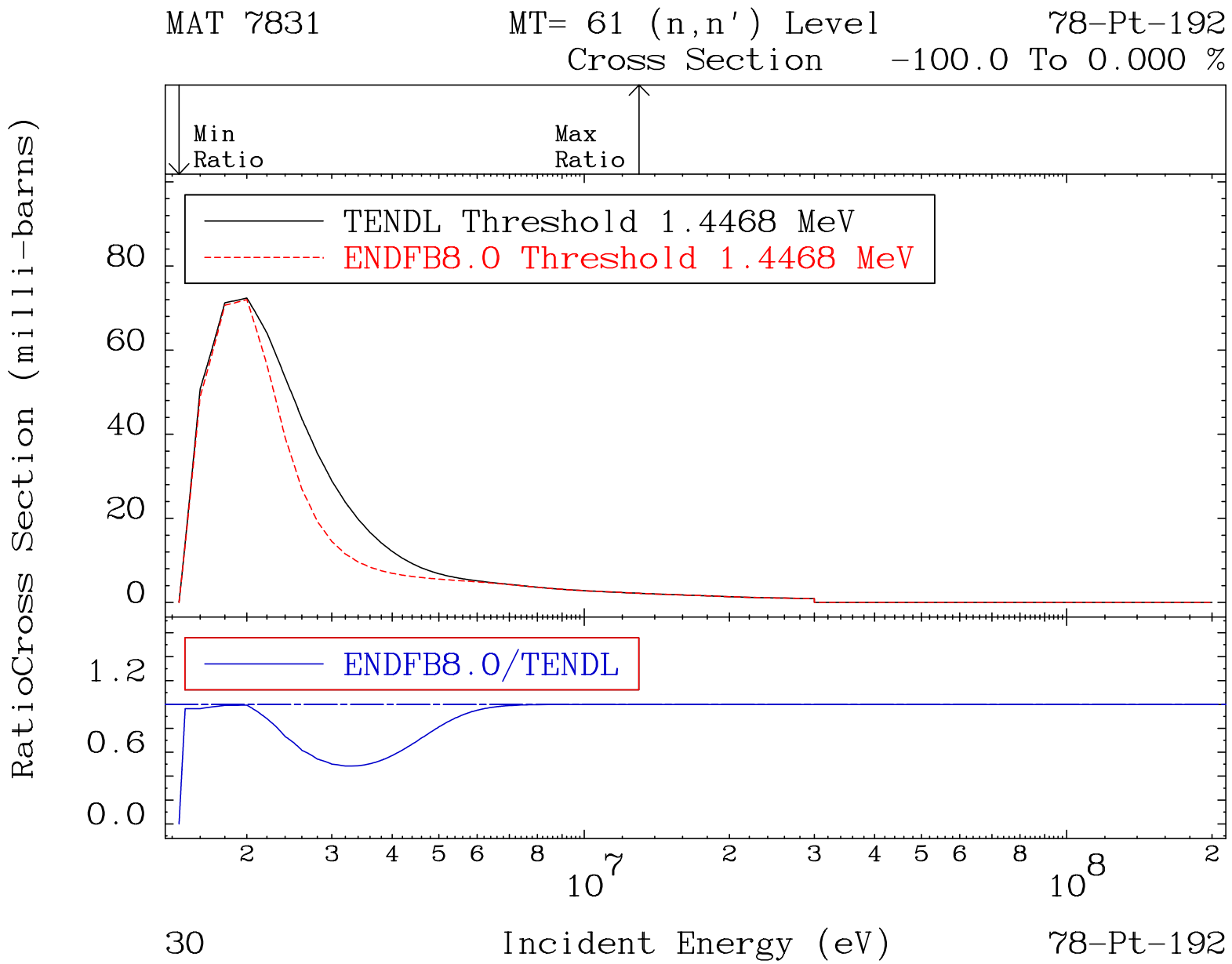

MAT 7831
MT= 56 (n,n') Level
78-Pt-192
Cross Section -100.0 To 0.149 %
Min Ratio
Max Ratio
TENDL Threshold 1.2074 MeV
ENDFB8.0 Threshold 1.2074 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
78-Pt-192

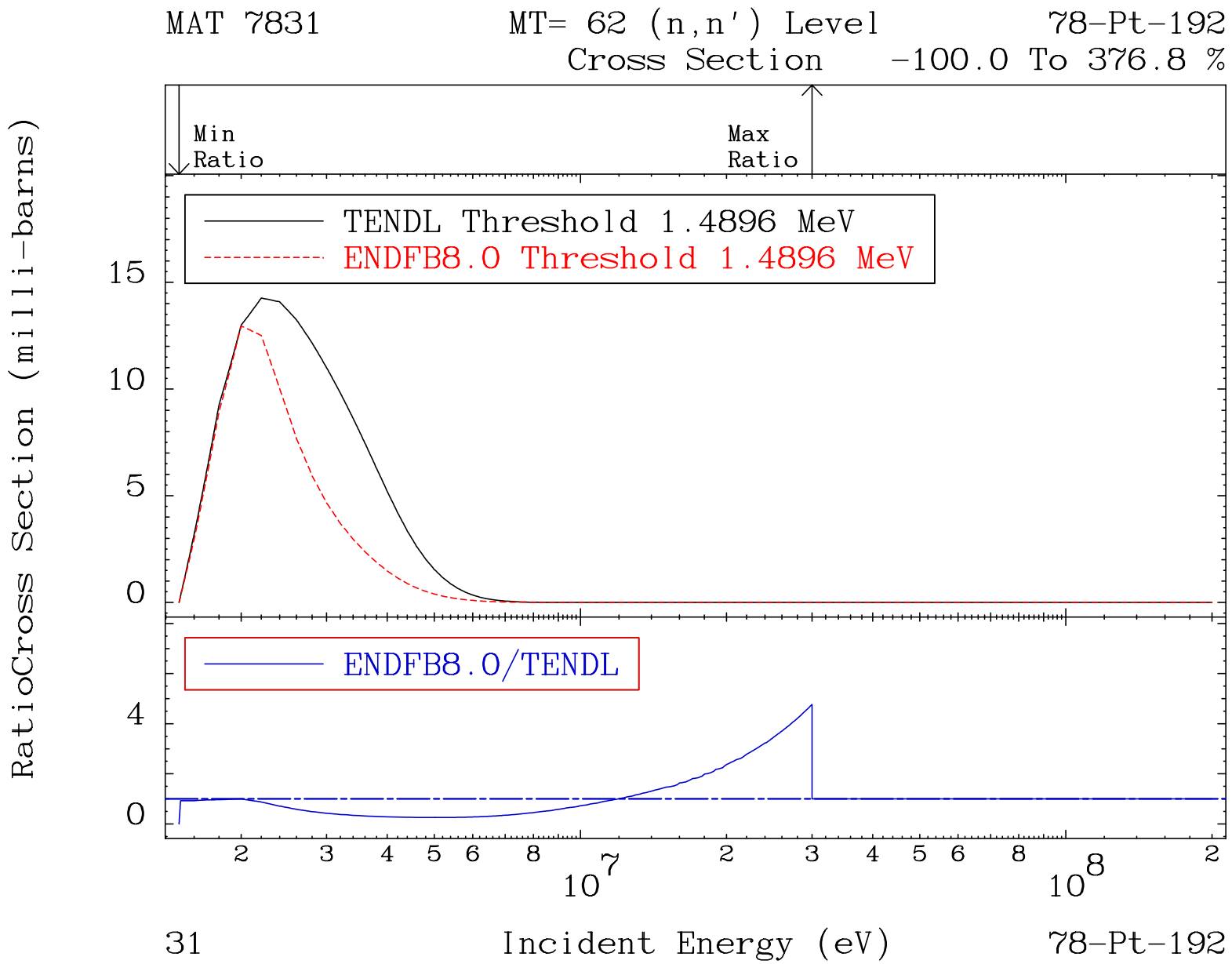

MAT 7831
MT= 57 (n,n') Level
78-Pt-192
Cross Section -57.09 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.3726 MeV
ENDFB8.0 Threshold 1.3726 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
78-Pt-192

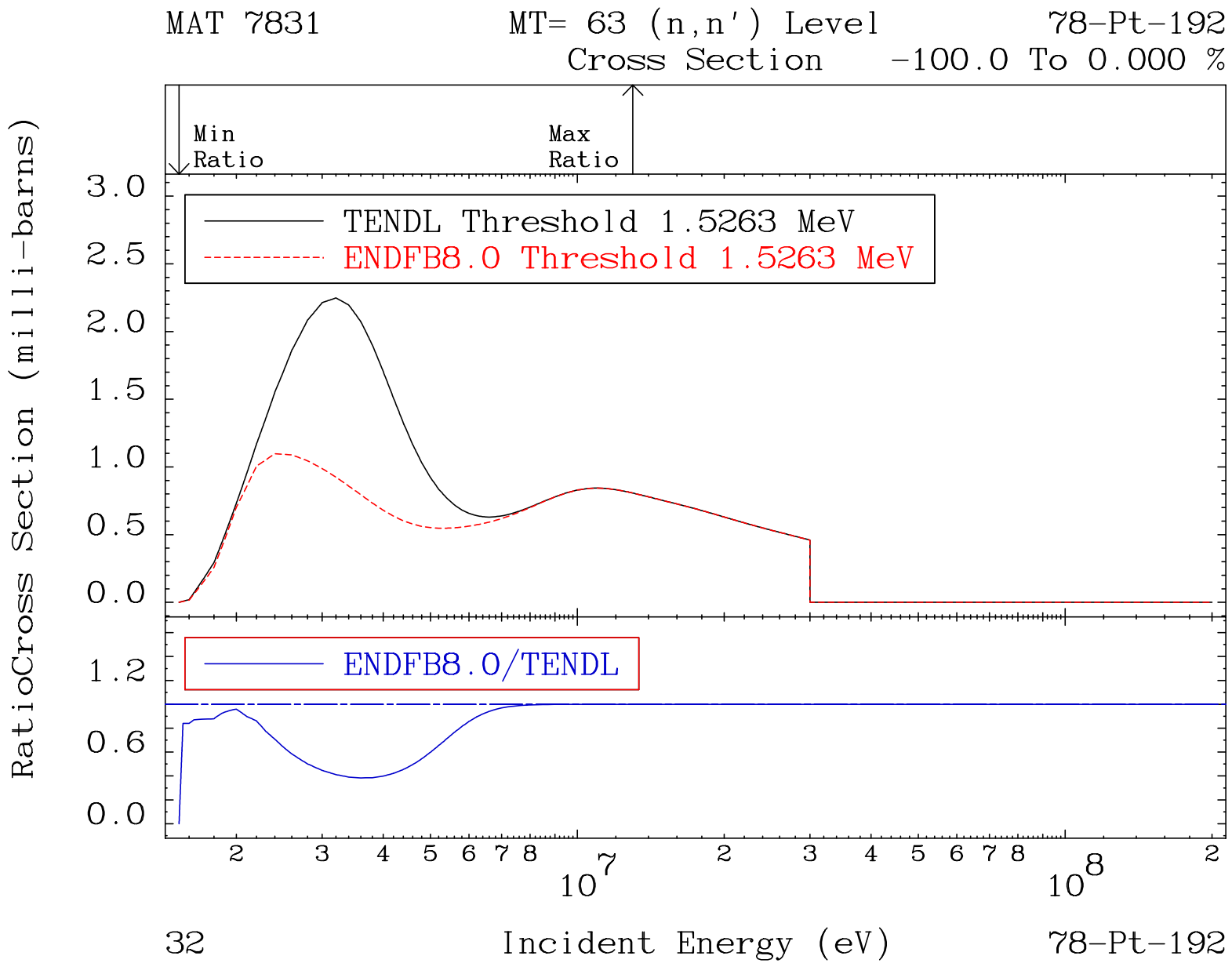

MAT 7831
MT= 58 (n,n') Level
78-Pt-192
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.3853 MeV
ENDFB8.0 Threshold 1.3853 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
78-Pt-192

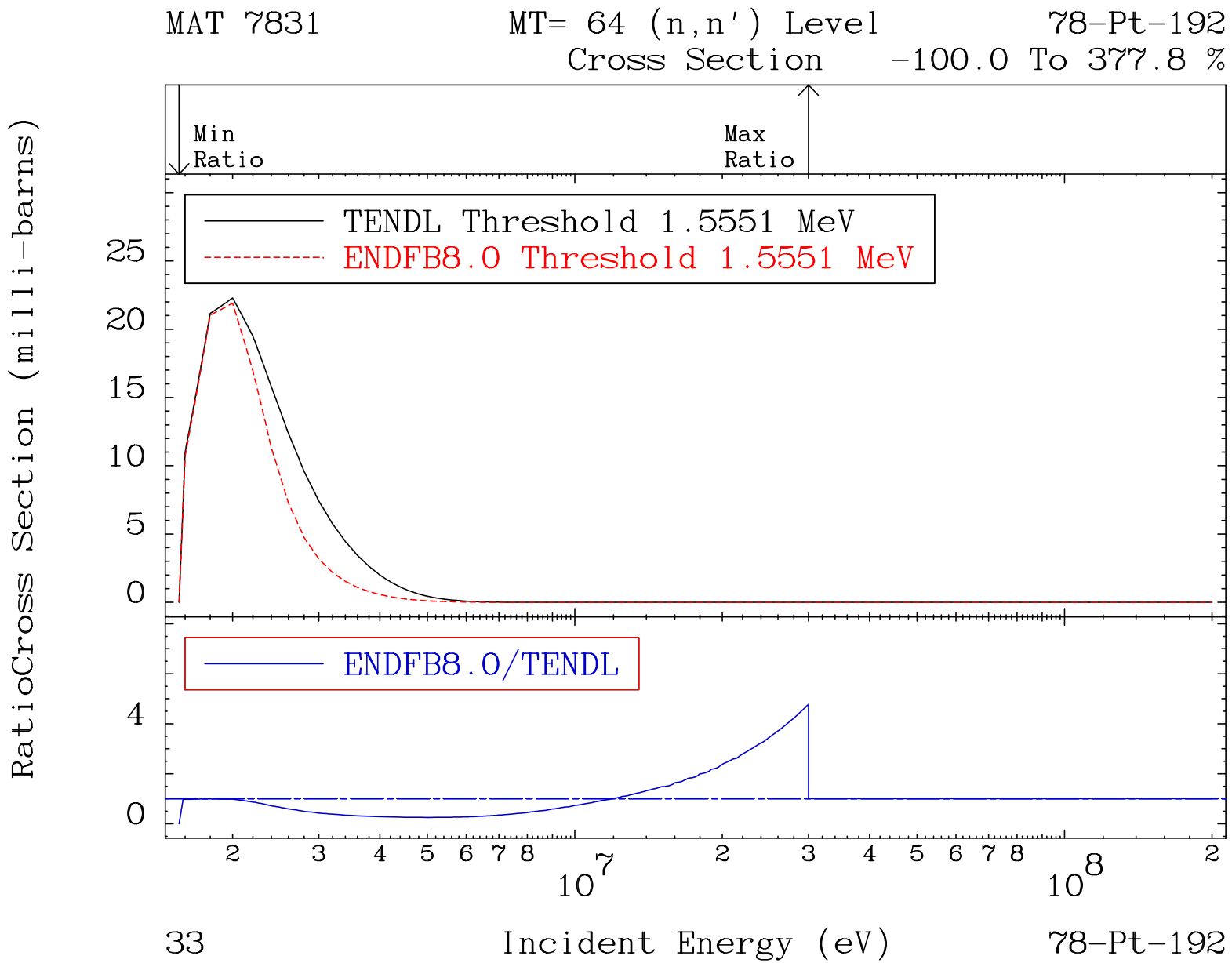

MAT 7831
MT= 59 (n,n') Level
78-Pt-192
Cross Section -62.72 To 0.277 %
Max Ratio
Min Ratio
TENDL Threshold 1.3912 MeV
ENDFB8.0 Threshold 1.3912 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.8
0.4
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
78-Pt-192

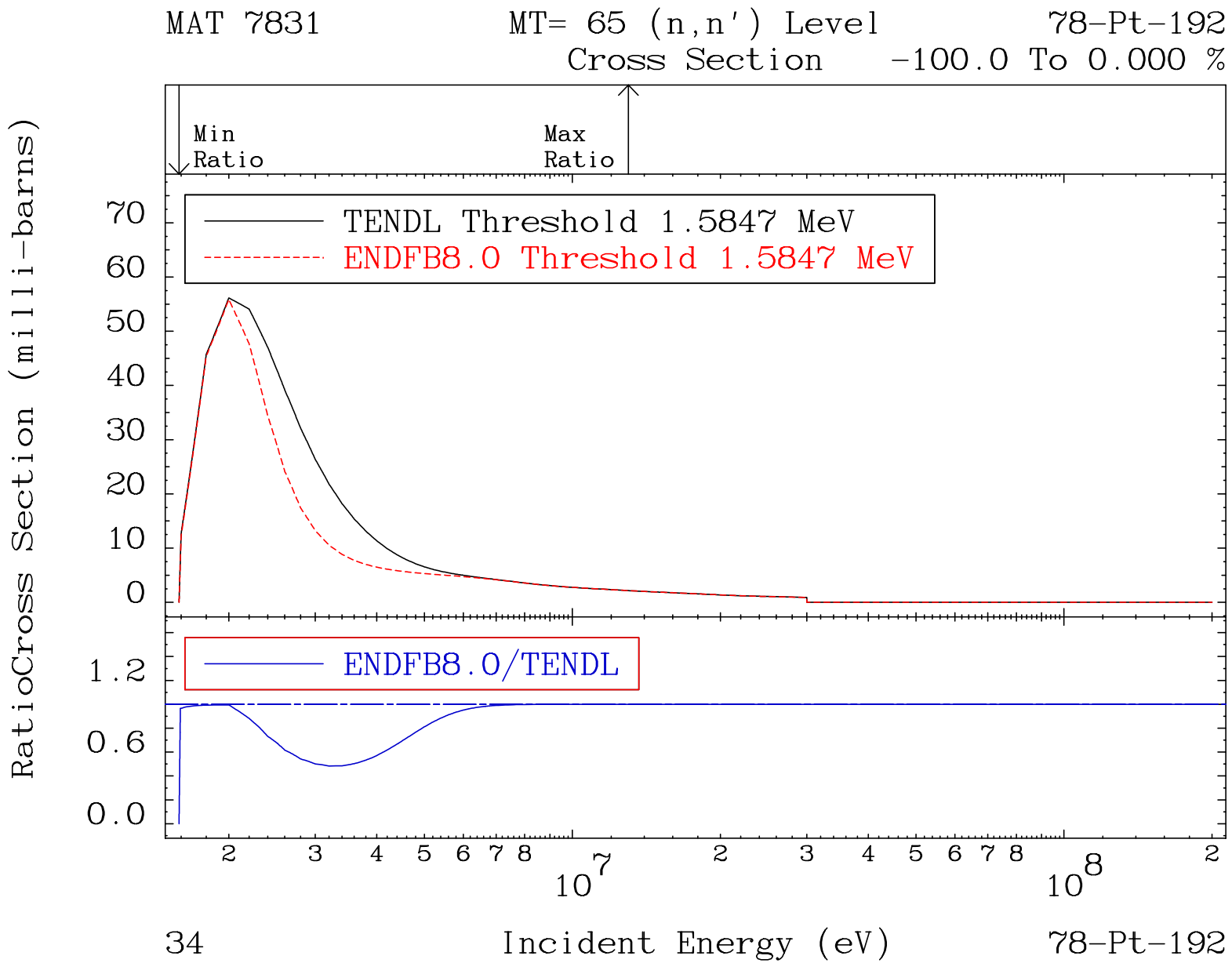

MAT 7831
MT= 60 (n,n') Level
78-Pt-192
Cross Section -74.59 To 377.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.4137 MeV
ENDFB8.0 Threshold 1.4137 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^1
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
78-Pt-192

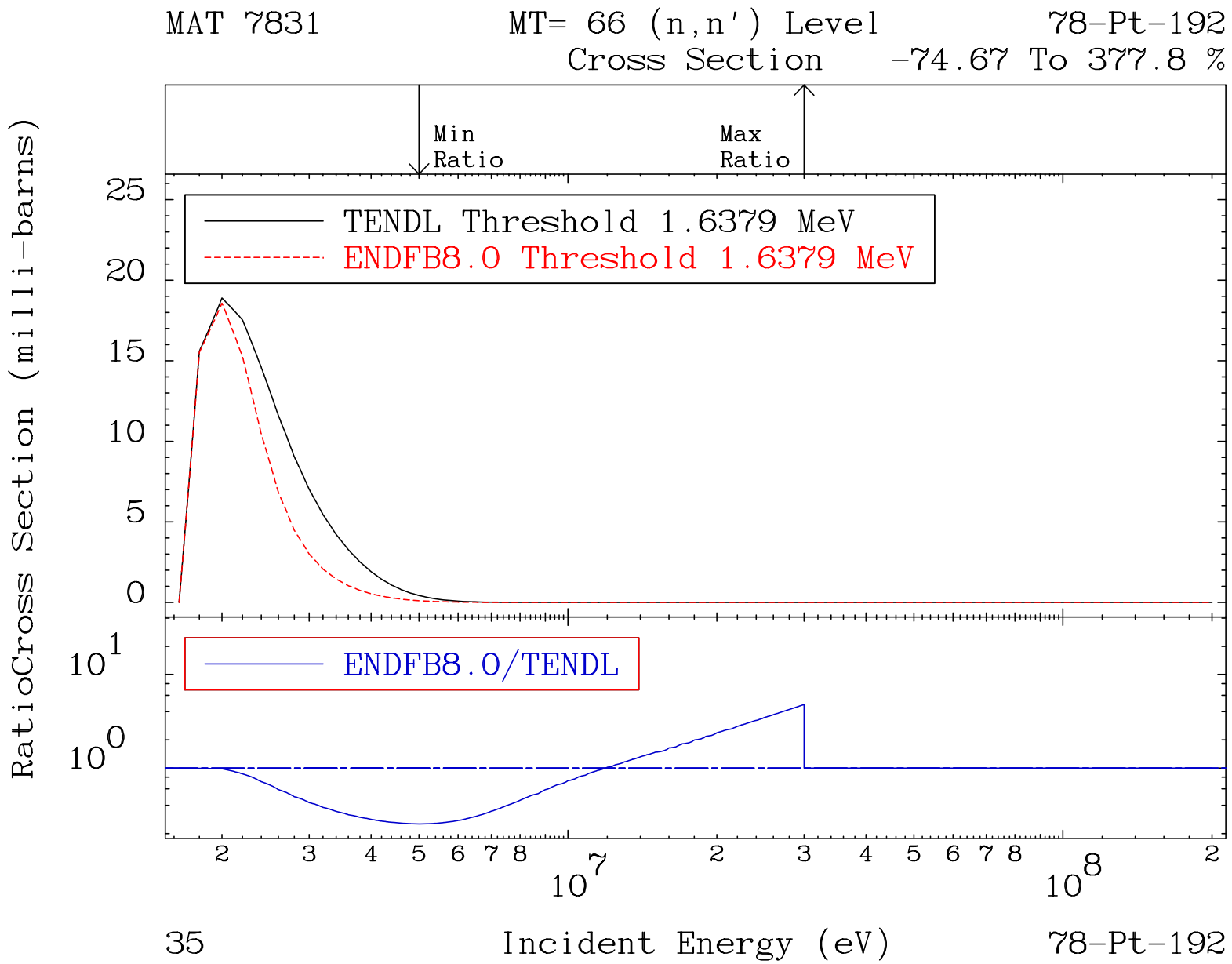

MAT 7831
MT= 61 (n,n') Level
78-Pt-192
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.4468 MeV
ENDFB8.0 Threshold 1.4468 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
78-Pt-192

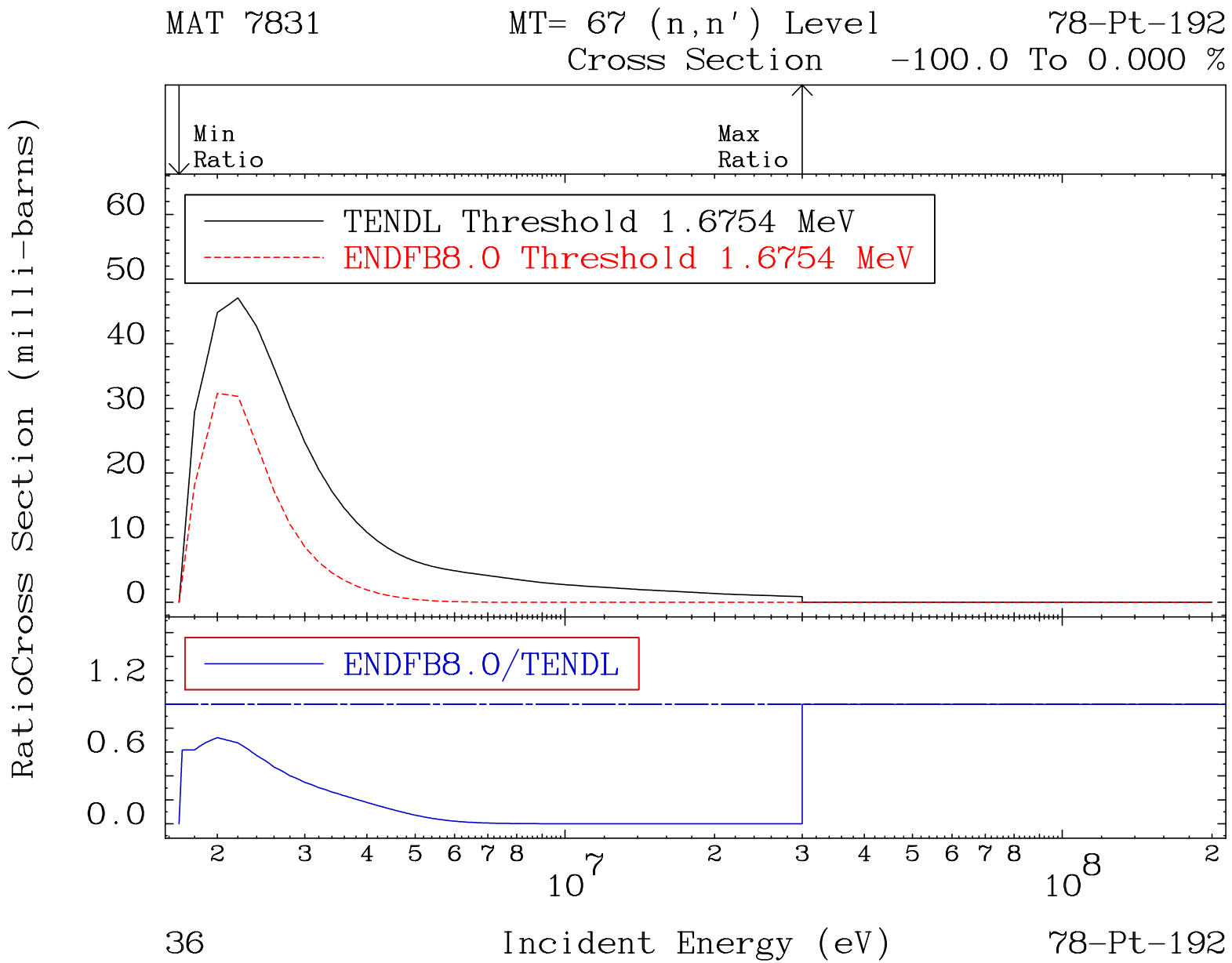

MAT 7831
MT= 62 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 376.8 %
Min Ratio
Max Ratio
TENDL Threshold 1.4896 MeV
ENDFB8.0 Threshold 1.4896 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
78-Pt-192

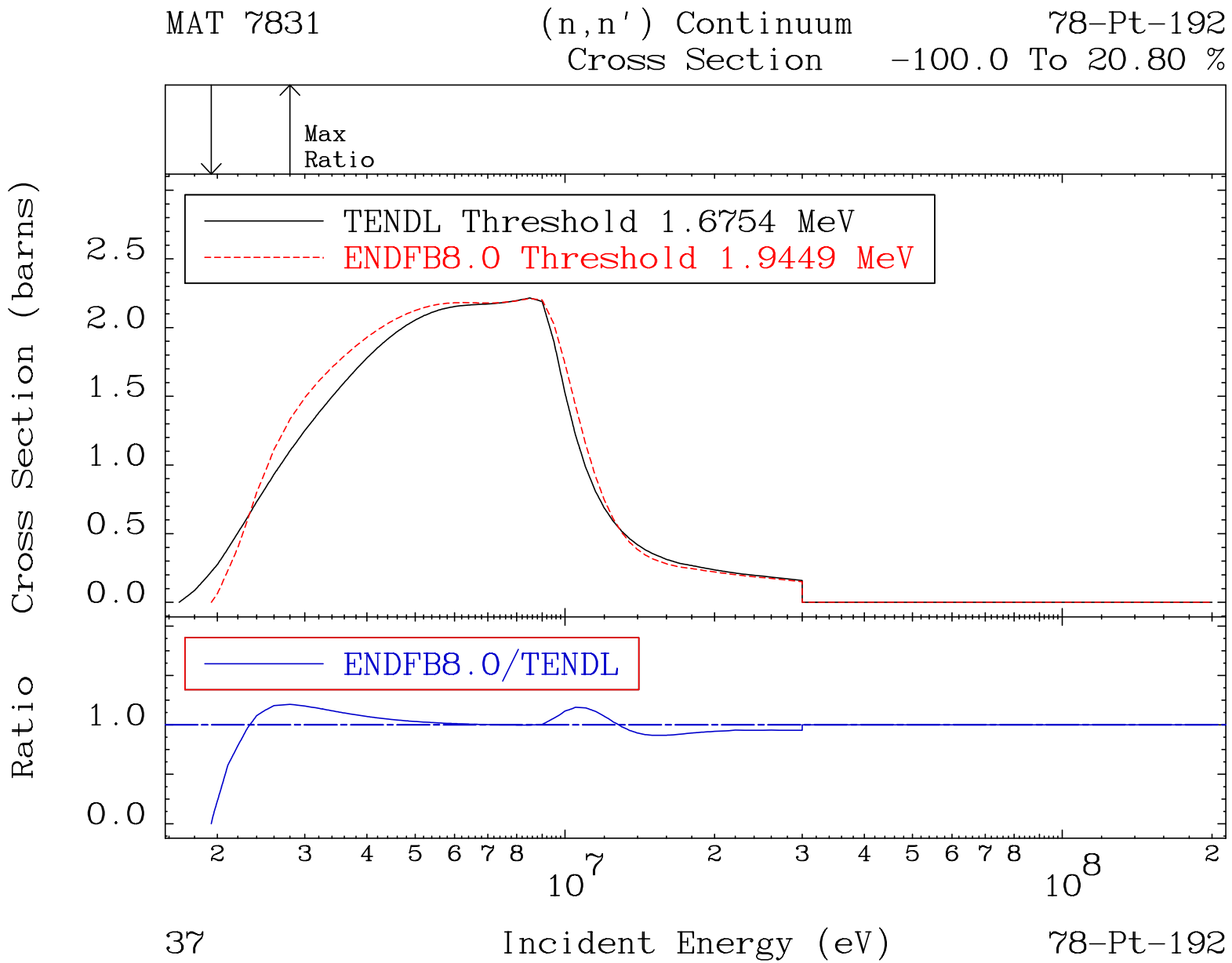

MAT 7831
MT= 63 (n,n') Level
78-Pt-192
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.5263 MeV
ENDFB8.0 Threshold 1.5263 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
78-Pt-192

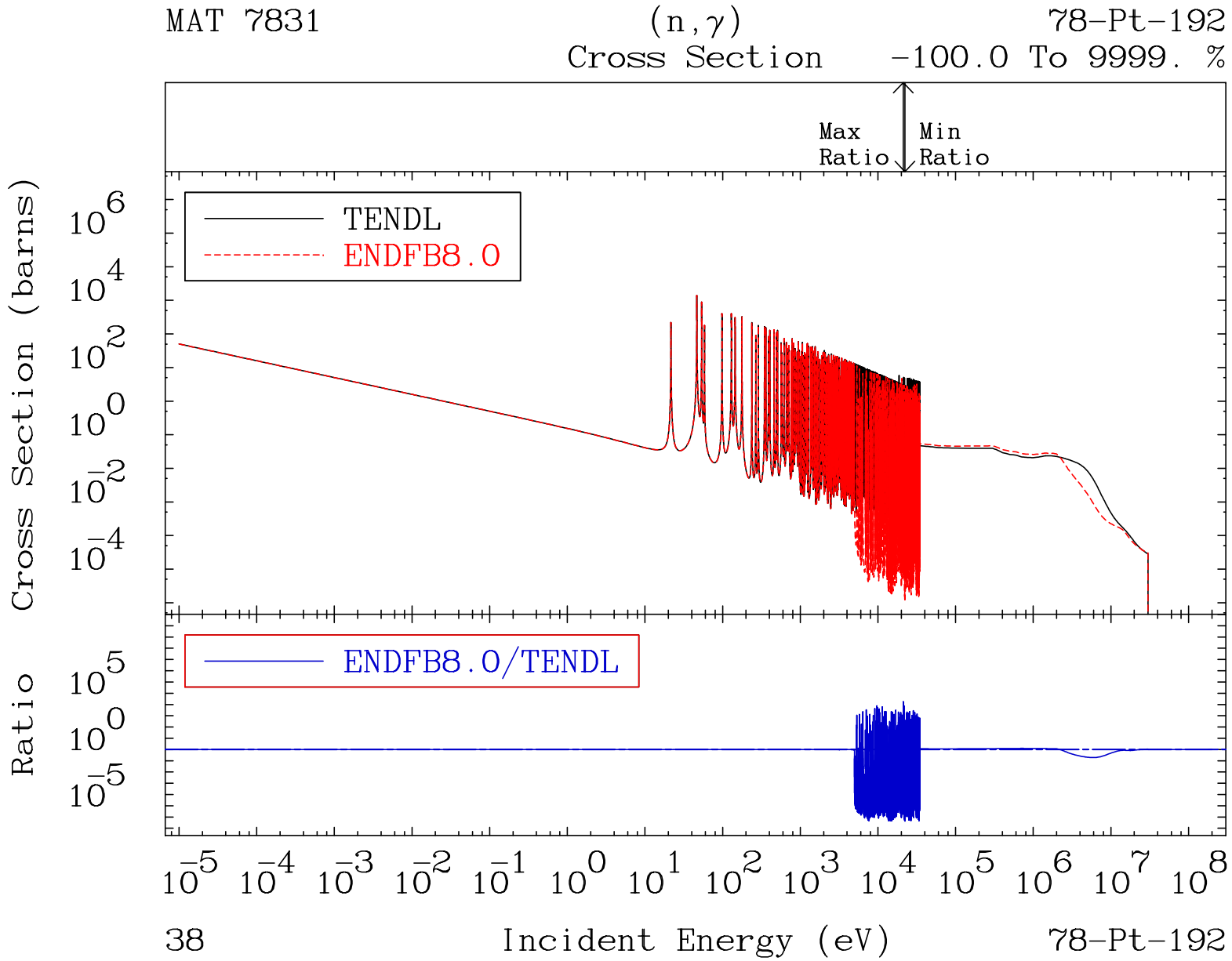

MAT 7831
MT= 64 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 377.8 %
Min Ratio
Max Ratio
TENDL Threshold 1.5551 MeV
ENDFB8.0 Threshold 1.5551 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
78-Pt-192

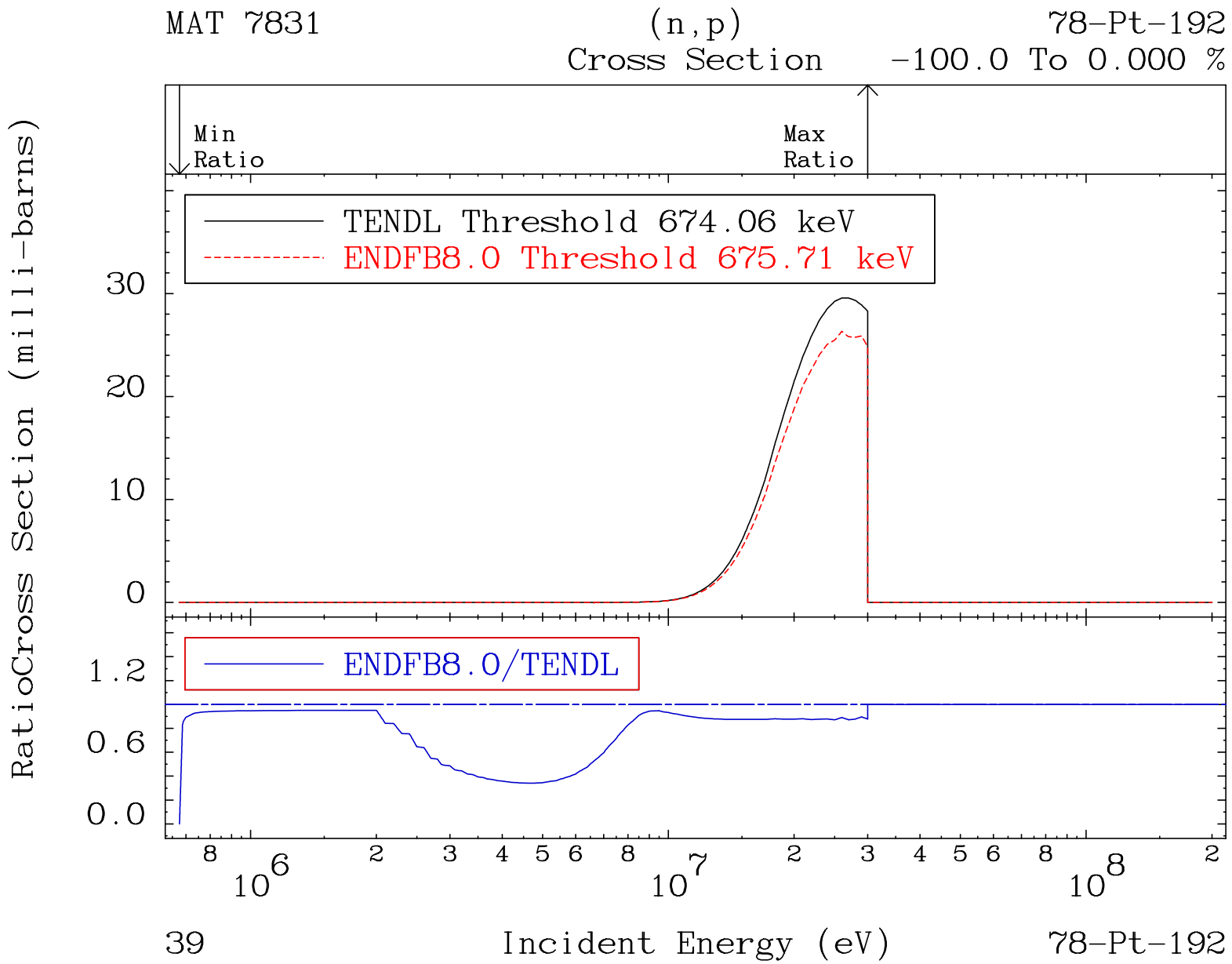

MAT 7831
MT= 65 (n,n') Level
78-Pt-192
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.5847 MeV
ENDFB8.0 Threshold 1.5847 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
78-Pt-192

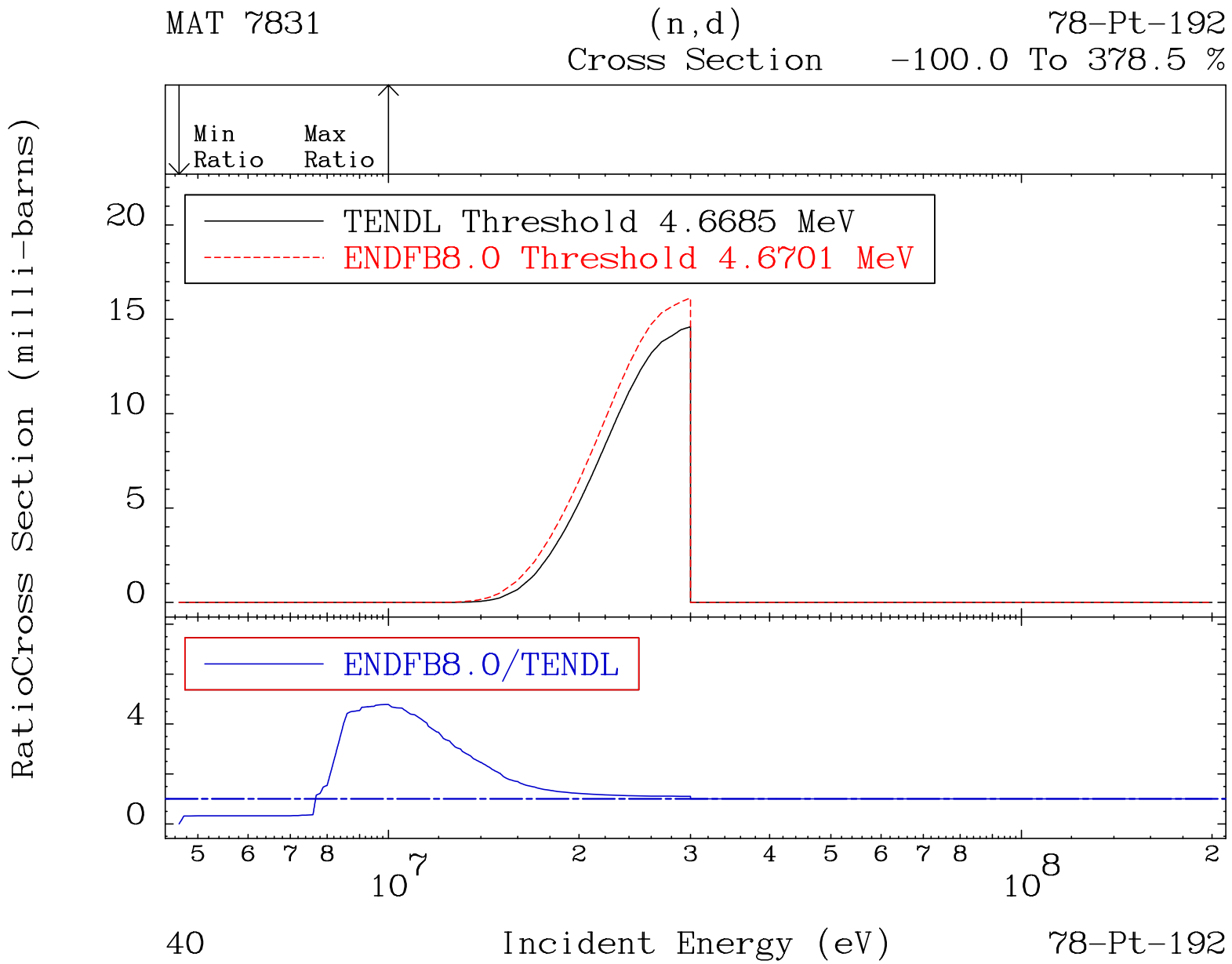

MAT 7831
MT= 66 (n,n') Level
78-Pt-192
Cross Section -74.67 To 377.8 %
Min Ratio
Max Ratio
TENDL Threshold 1.6379 MeV
ENDFB8.0 Threshold 1.6379 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
78-Pt-192

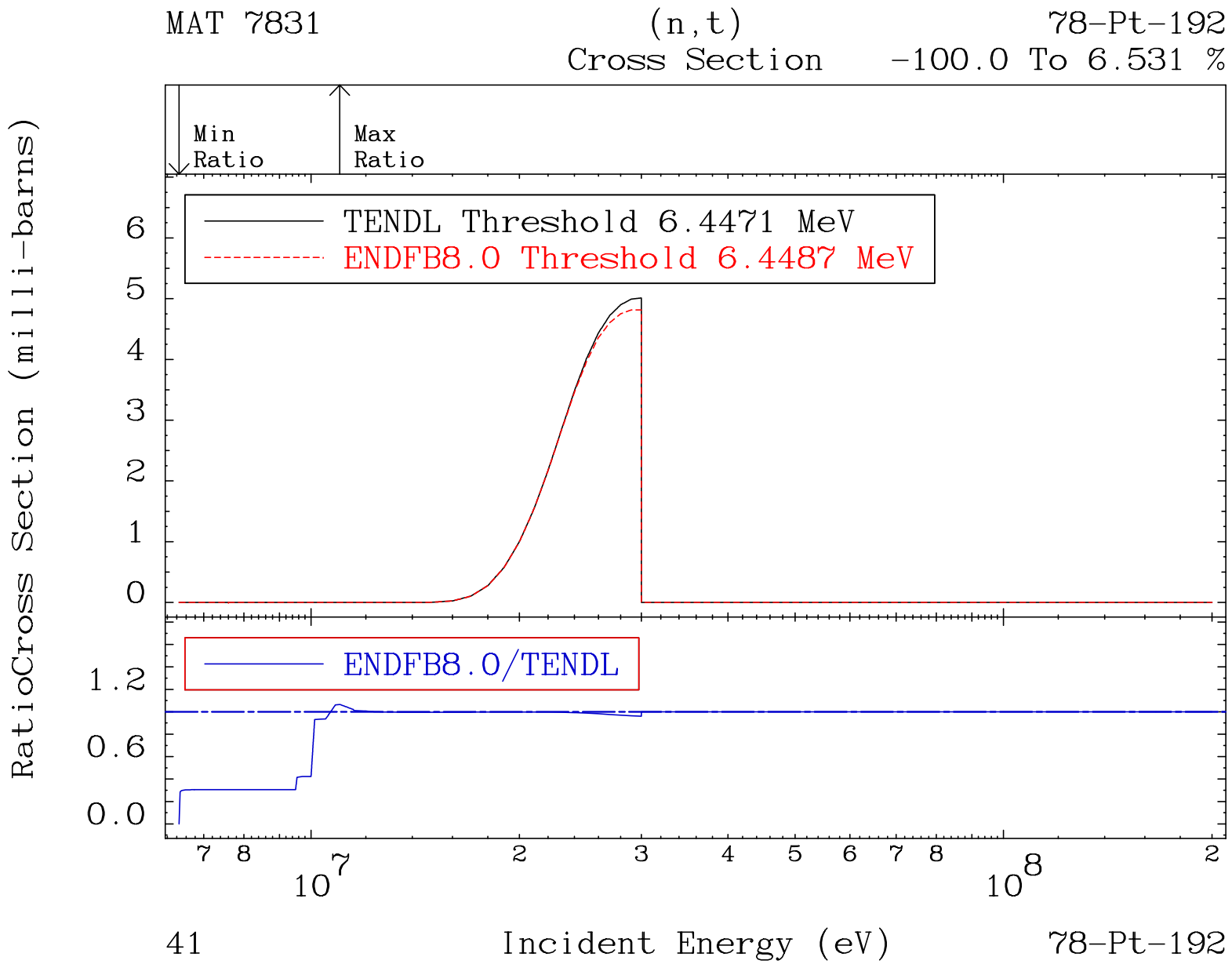

MAT 7831
MT= 67 (n,n') Level
78-Pt-192
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.6754 MeV
ENDFB8.0 Threshold 1.6754 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
78-Pt-192

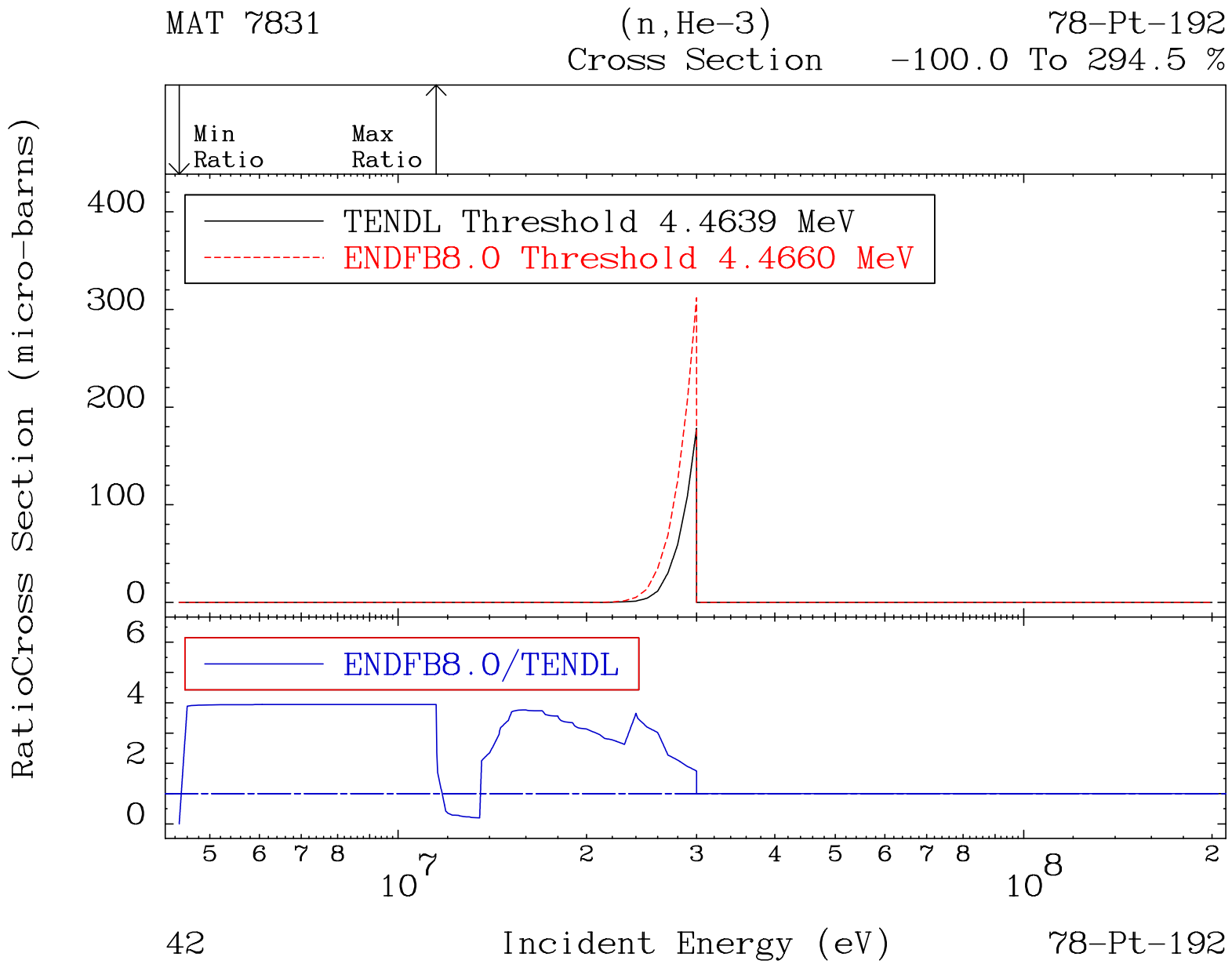

MAT 7831
(n,n') Continuum
Cross Section
78-Pt-192
-100.0 To 20.80 %
Max
Ratio
TENDL Threshold 1.6754 MeV
ENDFB8.0 Threshold 1.9449 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
78-Pt-192

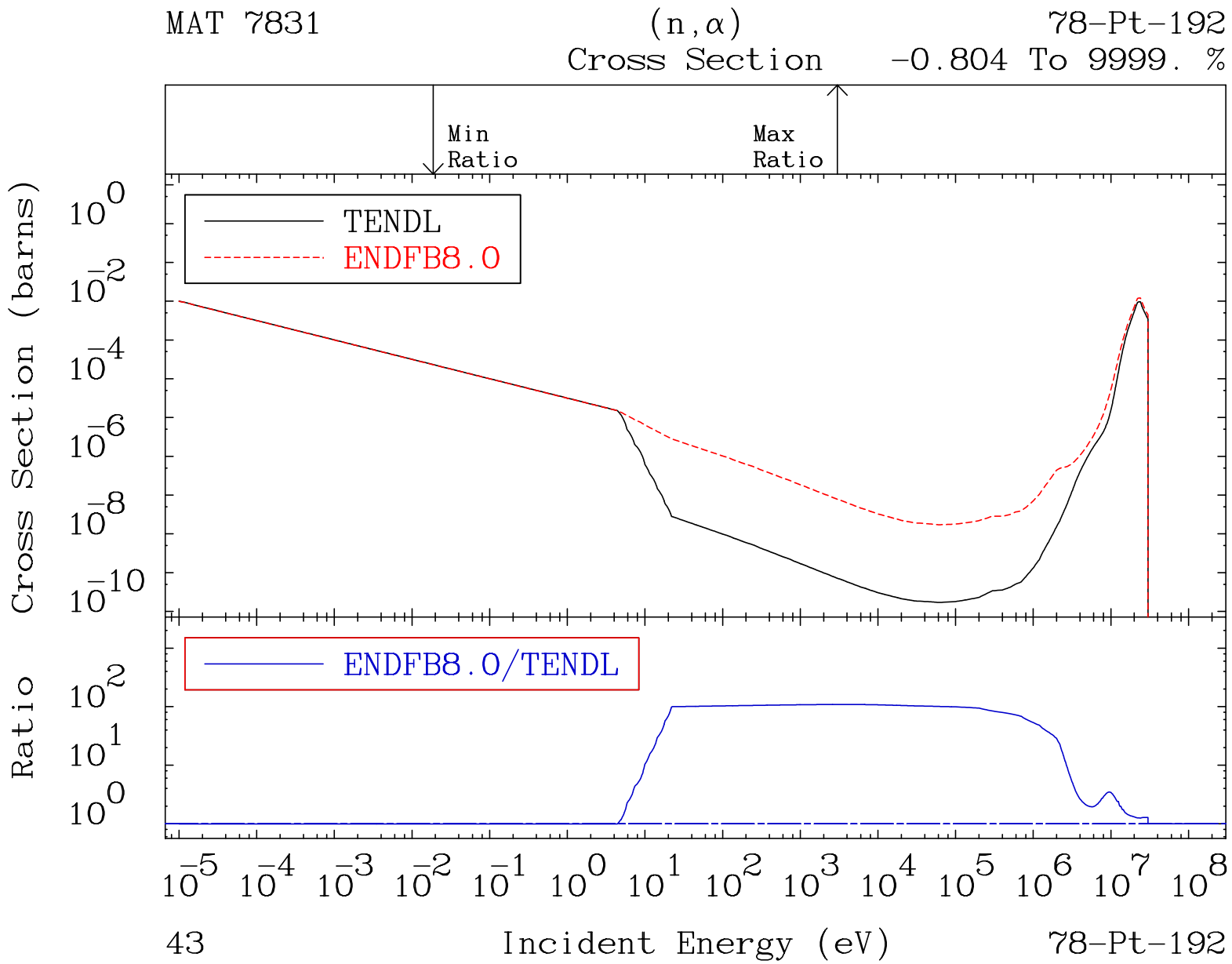

MAT 7831
(n,γ)
78-Pt-192
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
78-Pt-192

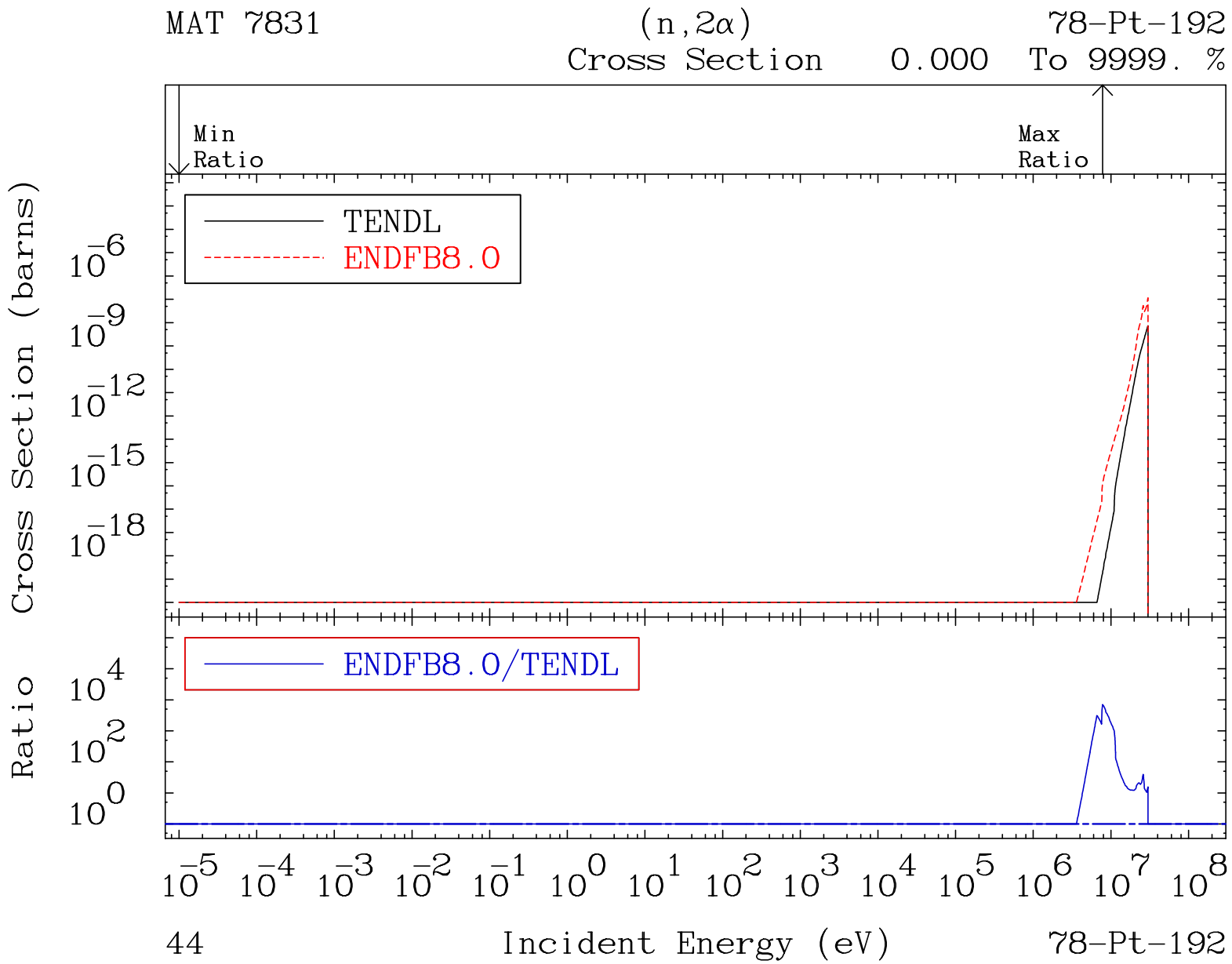

MAT 7831
(n,p)
Cross Section
78-Pt-192
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 674.06 keV
ENDFB8.0 Threshold 675.71 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.2
0.6
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
39
Incident Energy (eV)
78-Pt-192

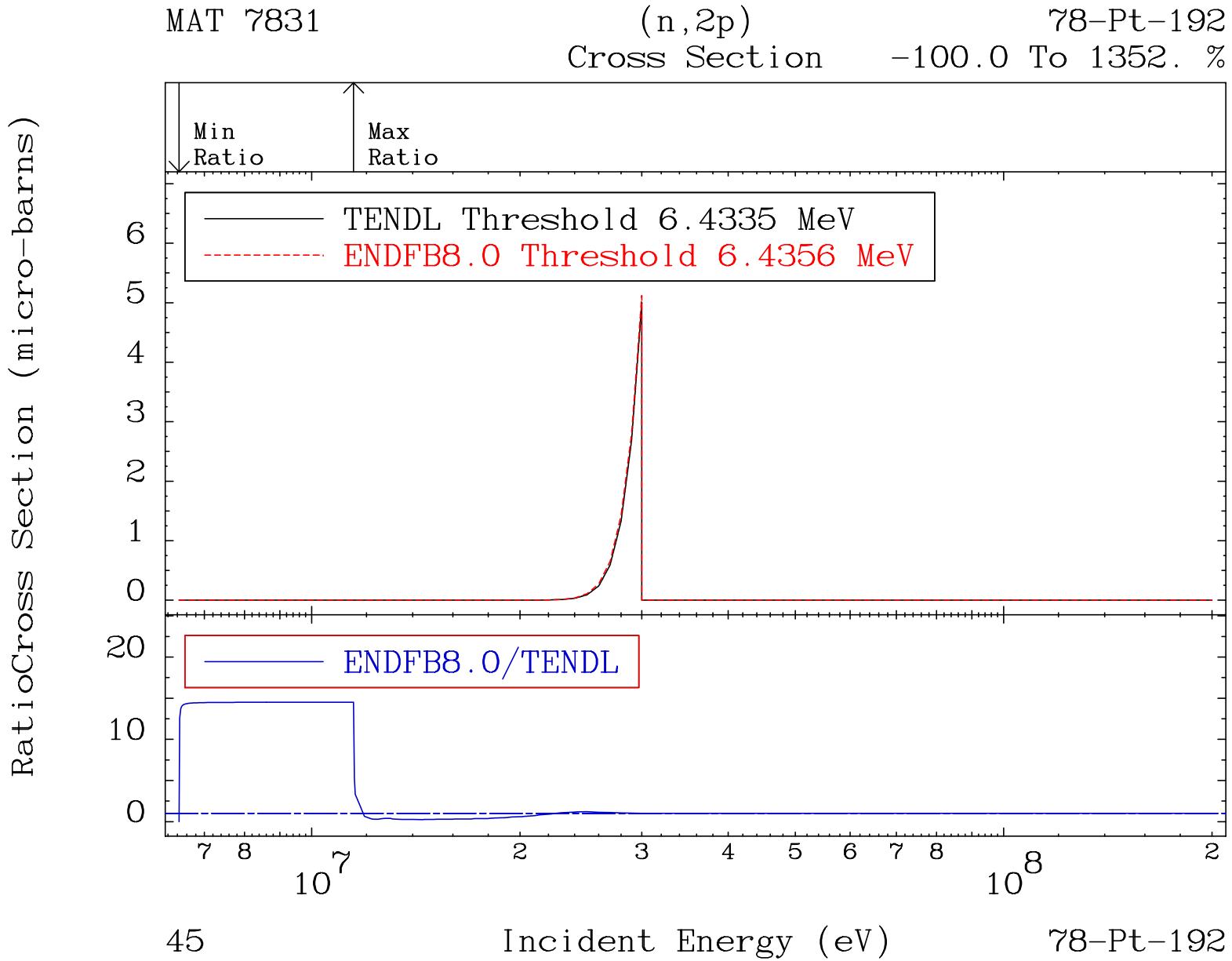

MAT 7831
(n,d)
78-Pt-192
Cross Section
-100.0 To 378.5 %
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
ENDFB8.0 Threshold 4.6701 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
78-Pt-192

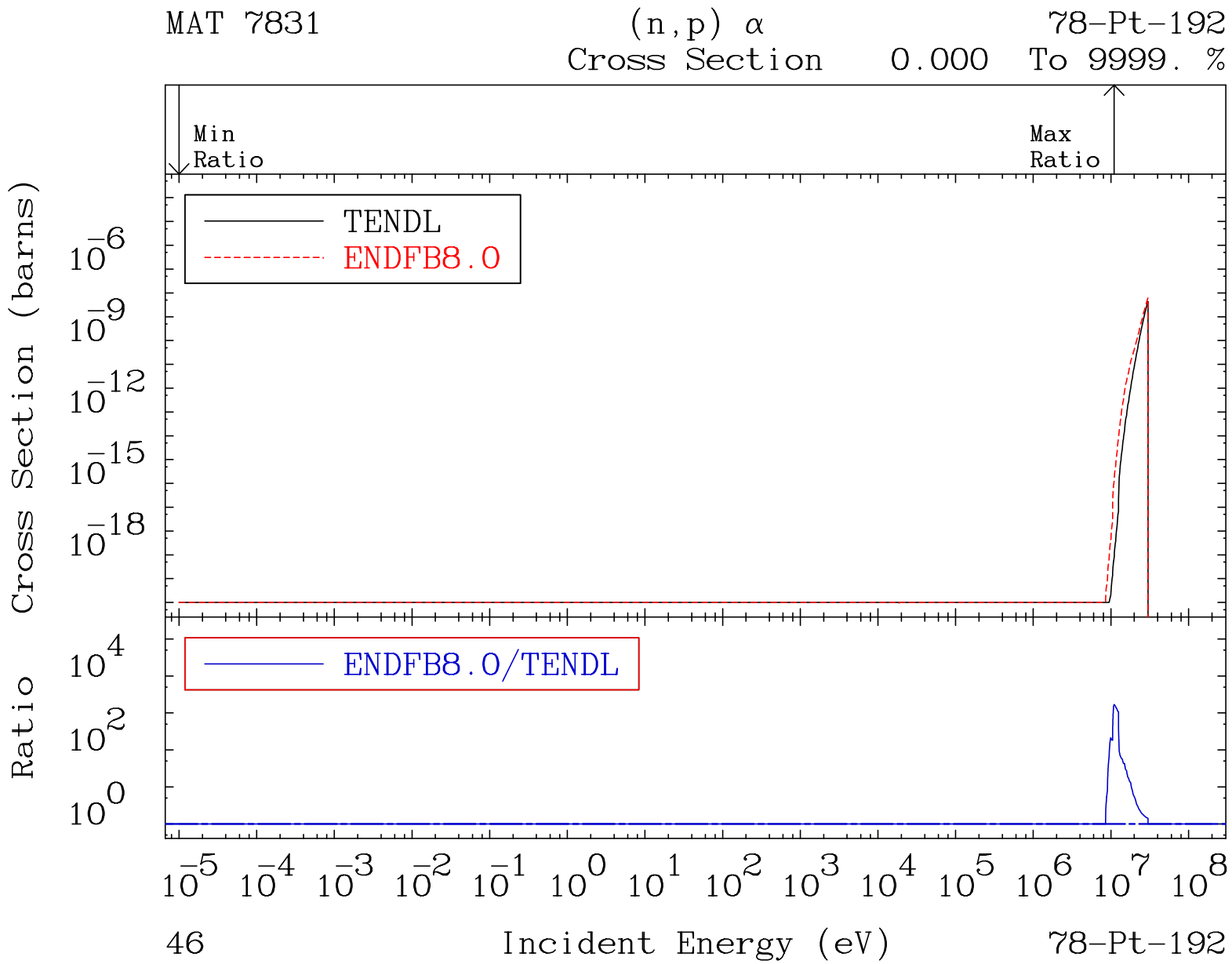

MAT 7831
(n,t)
Cross Section
78-Pt-192
-100.0 To 6.531 %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
ENDFB8.0 Threshold 6.4487 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
78-Pt-192

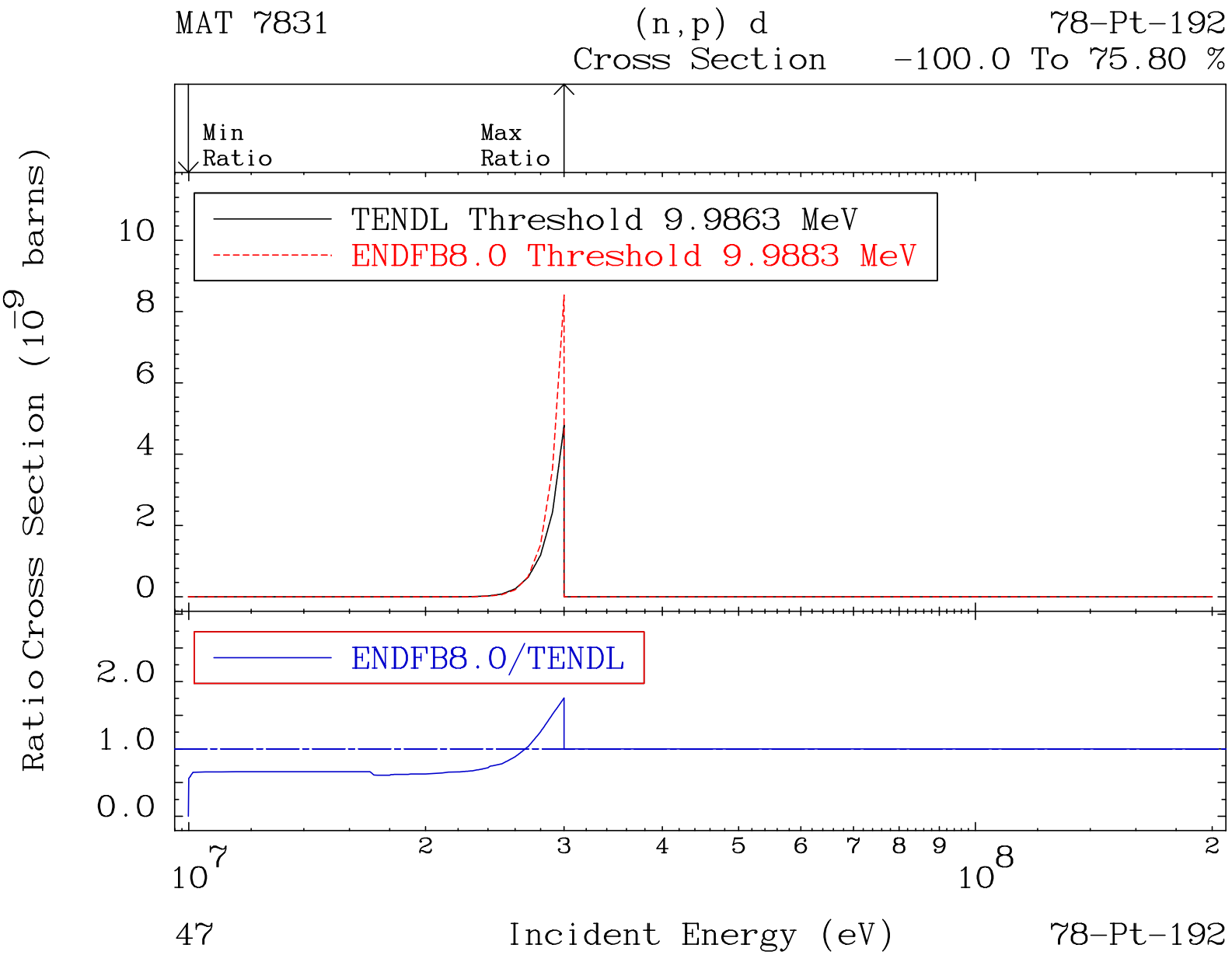

MAT 7831
(n,He-3)
Cross Section
78-Pt-192
-100.0 To 294.5 %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
ENDFB8.0 Threshold 4.4660 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
42
78-Pt-192

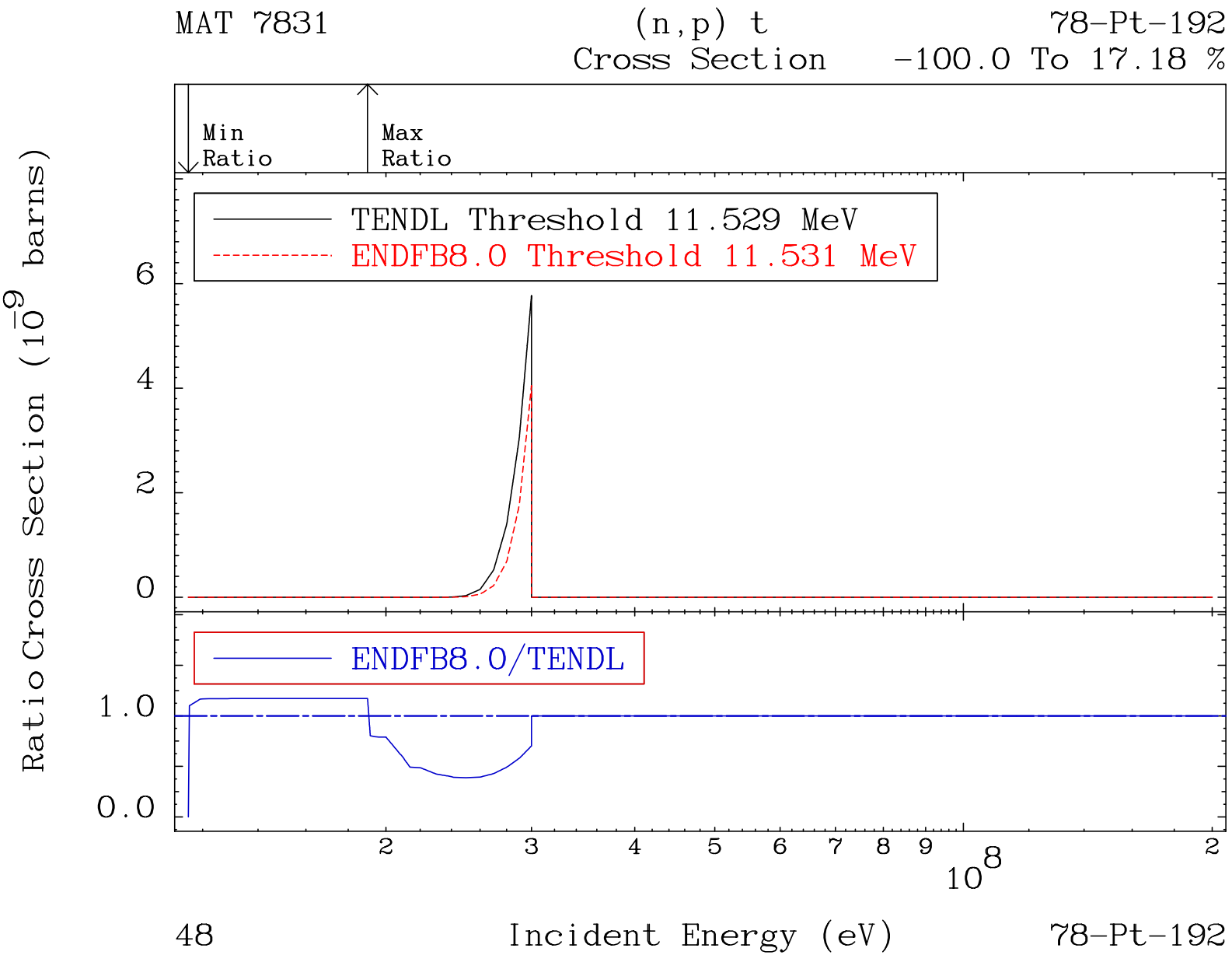

MAT 7831
(n,α)
Cross Section
78-Pt-192
-0.804 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
78-Pt-192

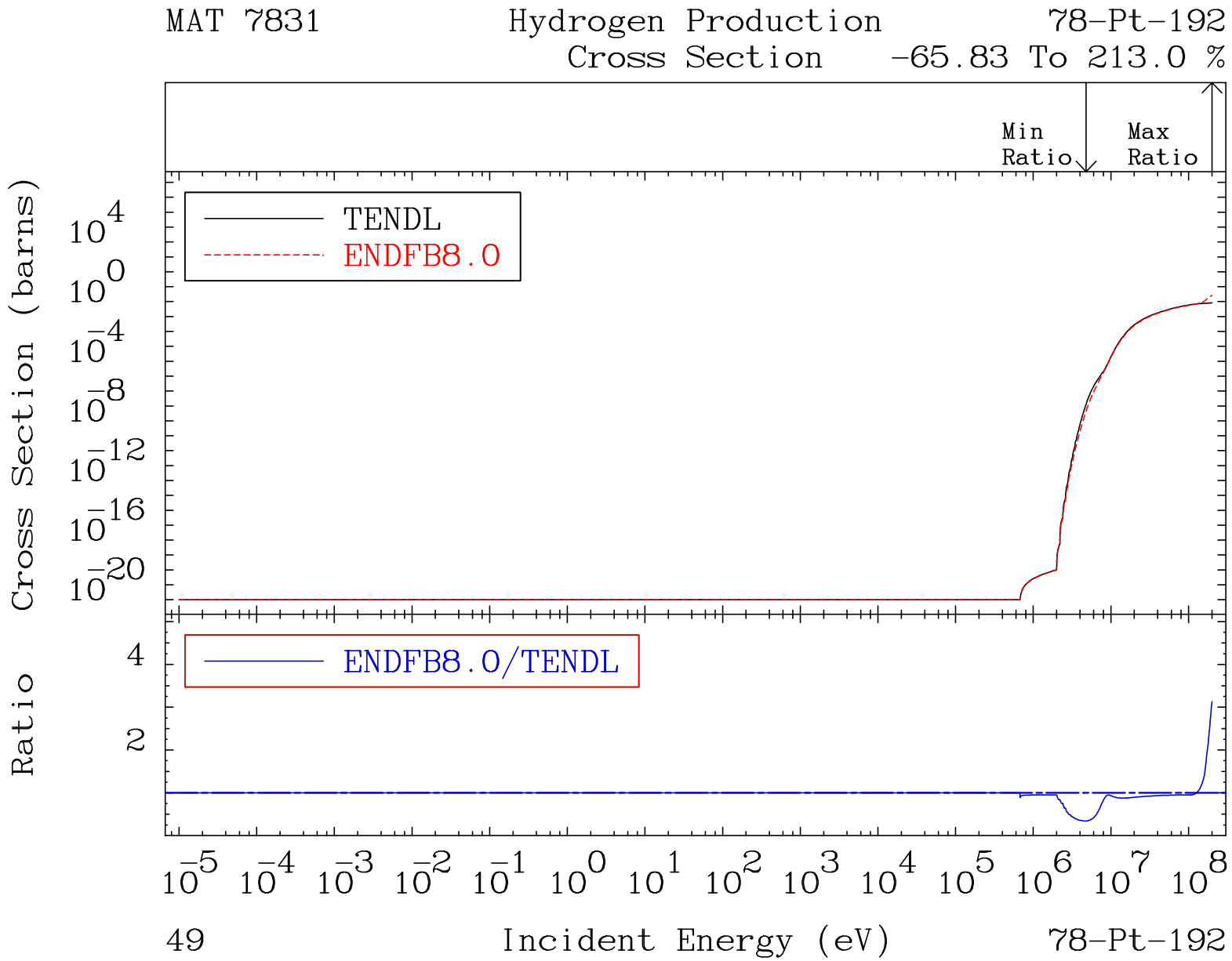

MAT 7831
(n,2α)
78-Pt-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
78-Pt-192

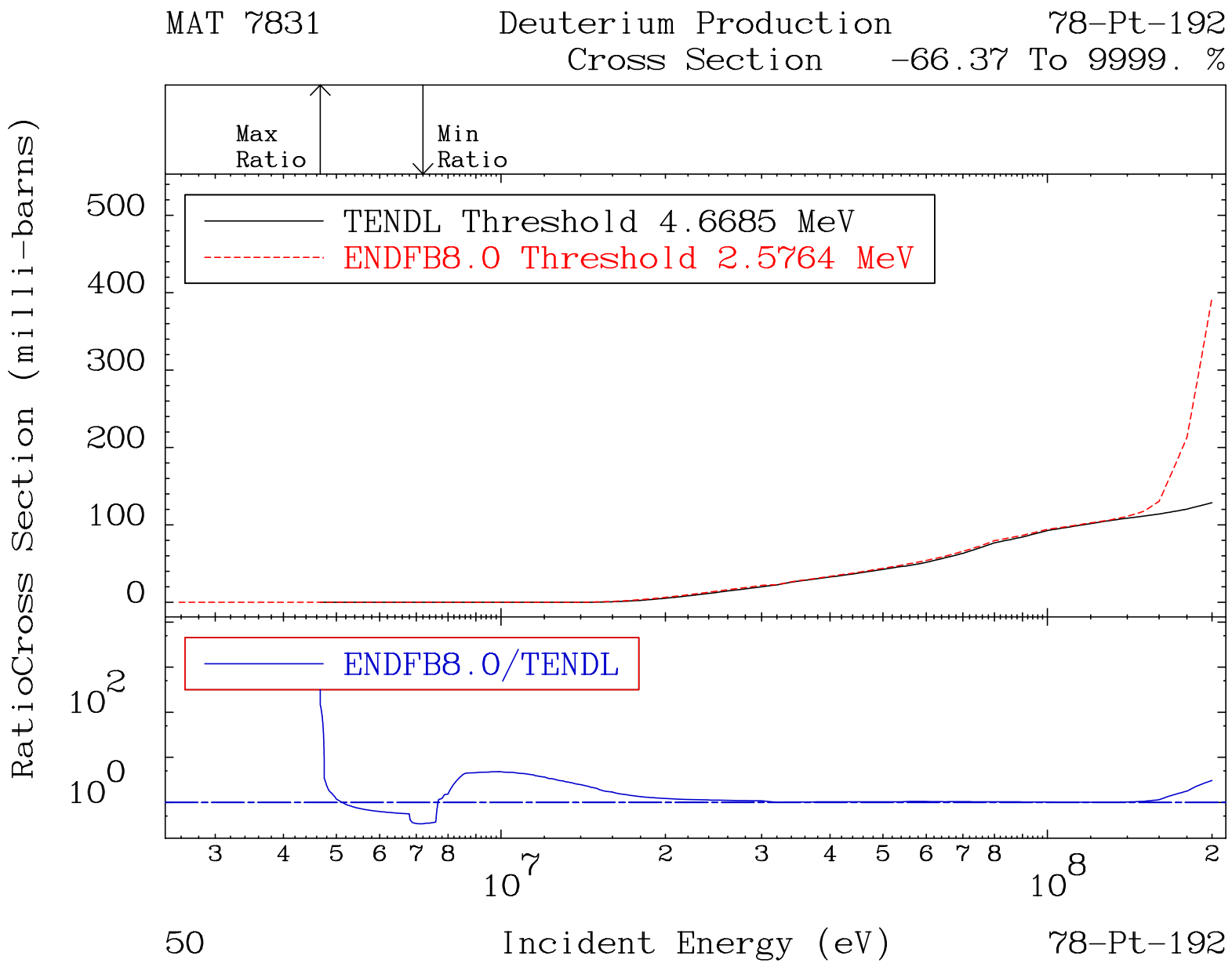

MAT 7831
(n,2p)
78-Pt-192
Cross Section
-100.0 To 1352. %
Min Ratio
Max Ratio
TENDL Threshold 6.4335 MeV
ENDFB8.0 Threshold 6.4356 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
45
78-Pt-192

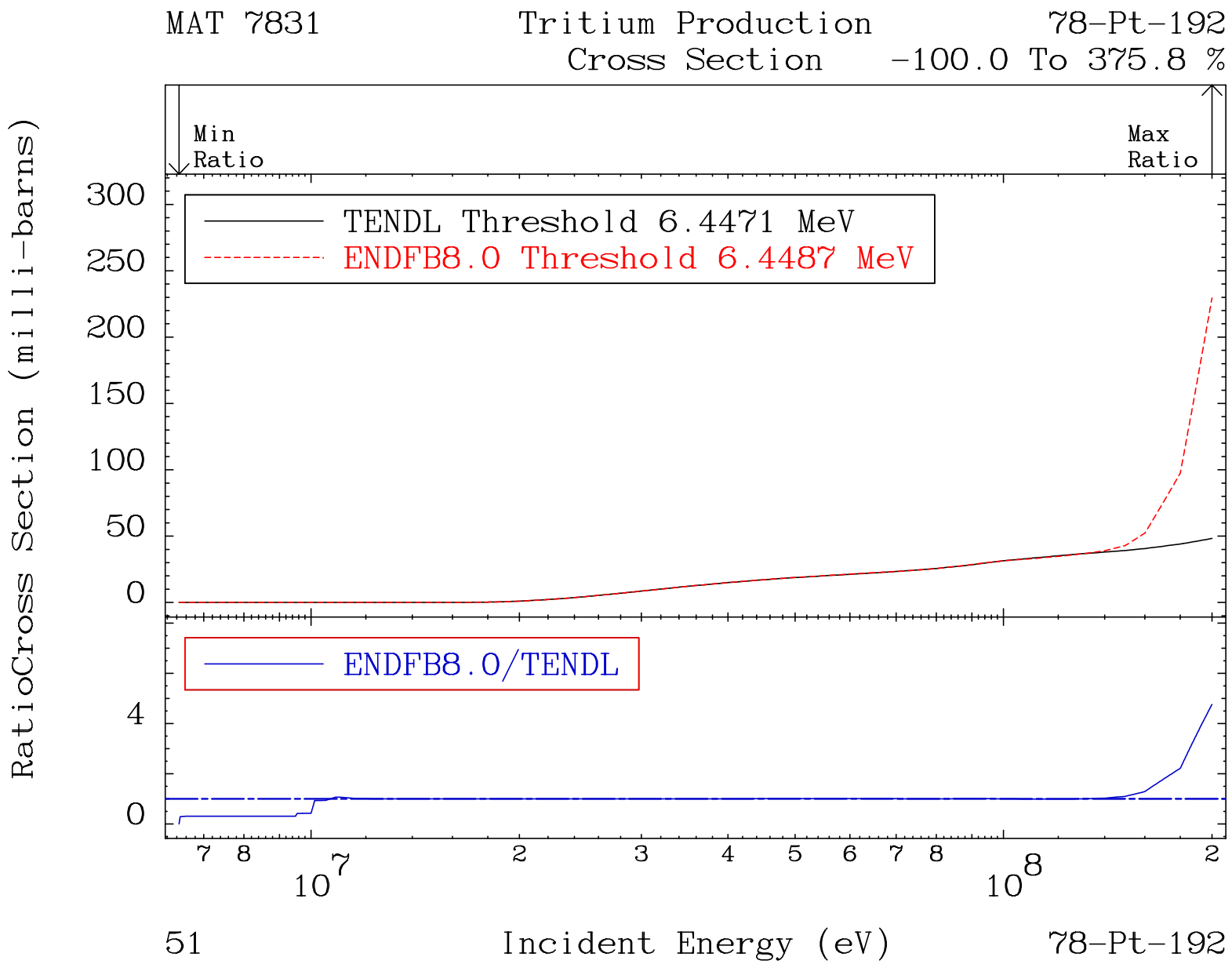

MAT 7831
(n,p) α
78-Pt-192
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
78-Pt-192

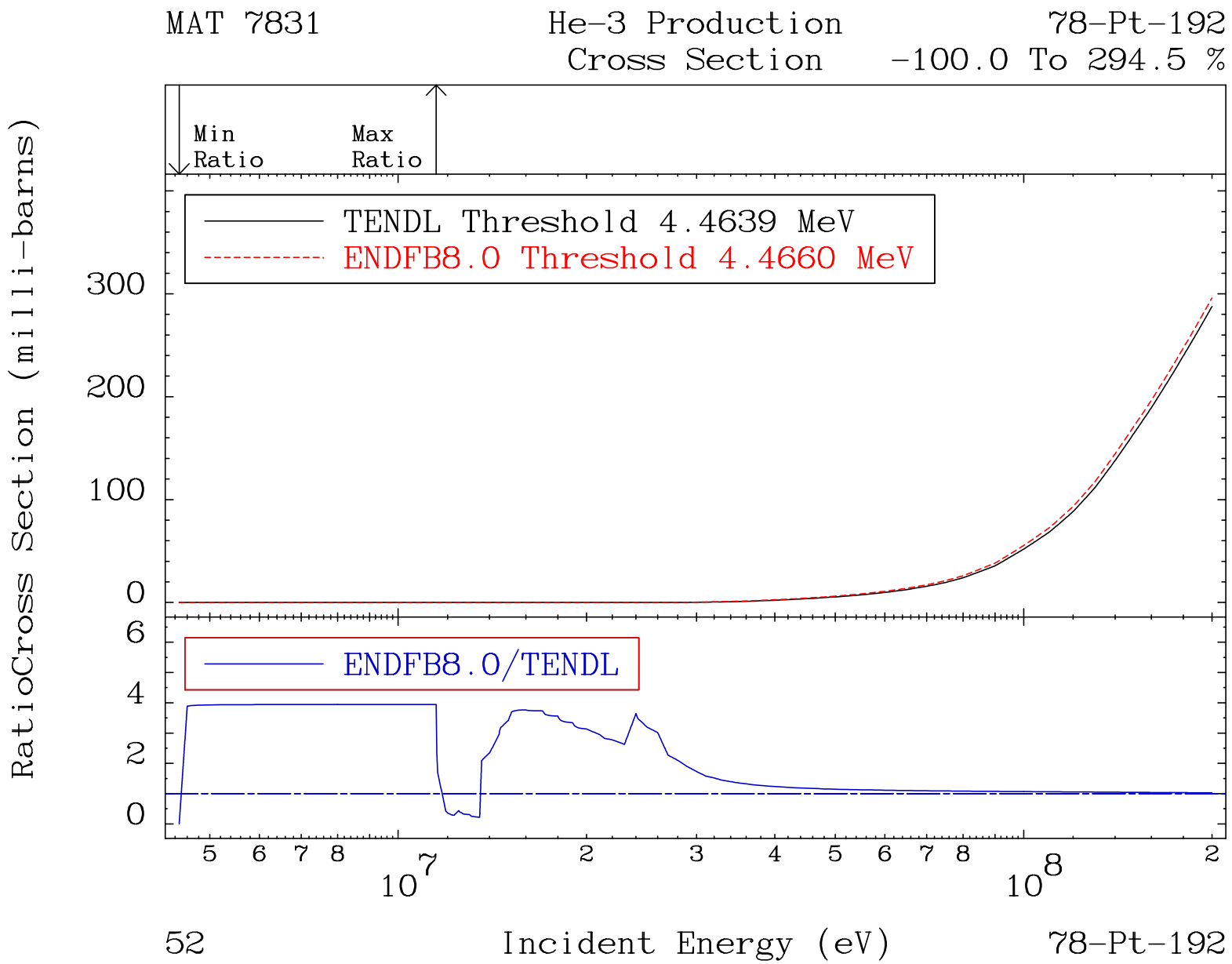

MAT 7831
(n,p) d
Cross Section
78-Pt-192
-100.0 To 75.80 %
Min Ratio
Max Ratio
TENDL Threshold 9.9863 MeV
ENDFB8.0 Threshold 9.9883 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
10
8
6
4
2
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
78-Pt-192

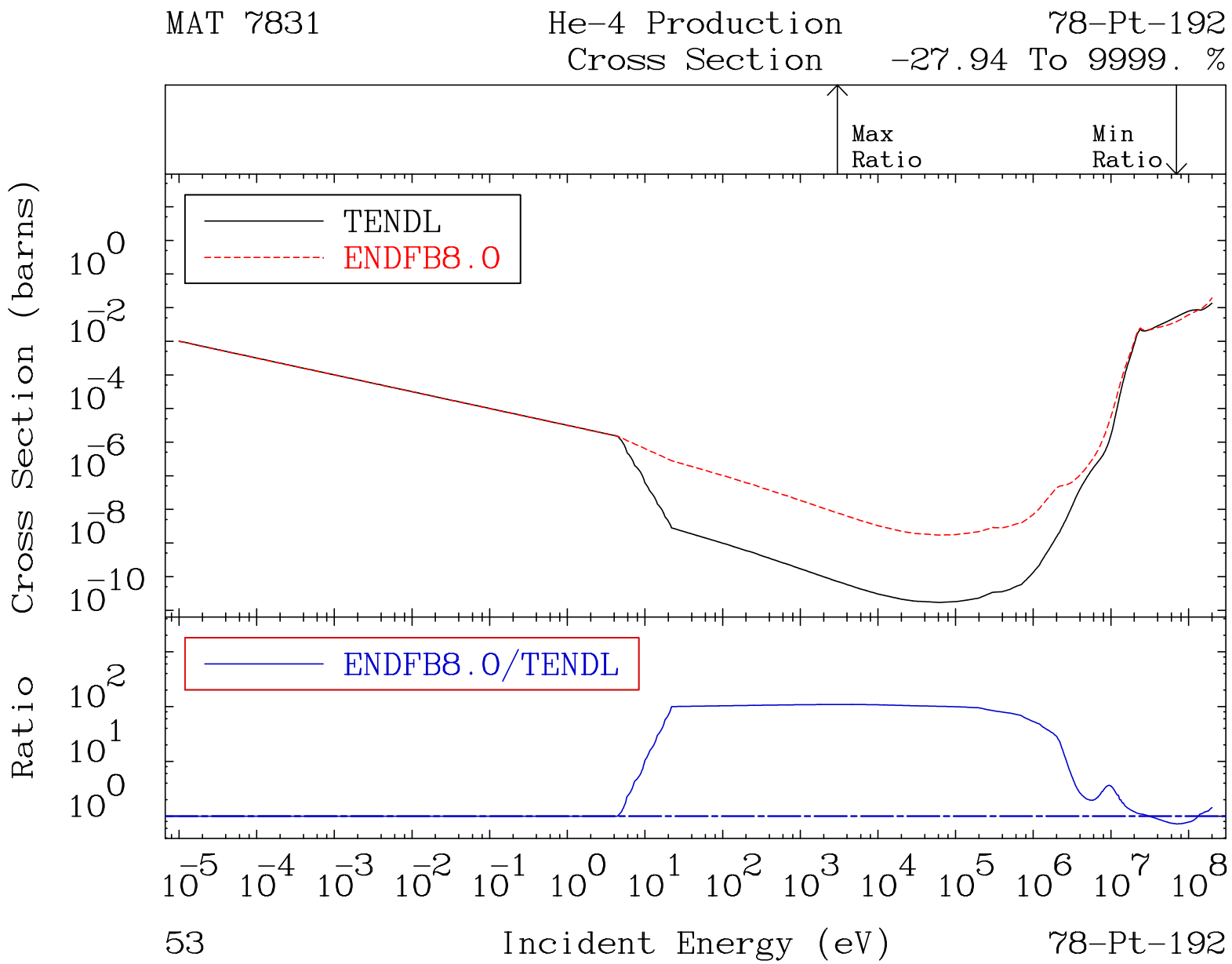

MAT 7831
(n,p) t
78-Pt-192
Cross Section
-100.0 To 17.18 %
Min Ratio
Max Ratio
TENDL Threshold 11.529 MeV
ENDFB8.0 Threshold 11.531 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
6
4
2
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
78-Pt-192

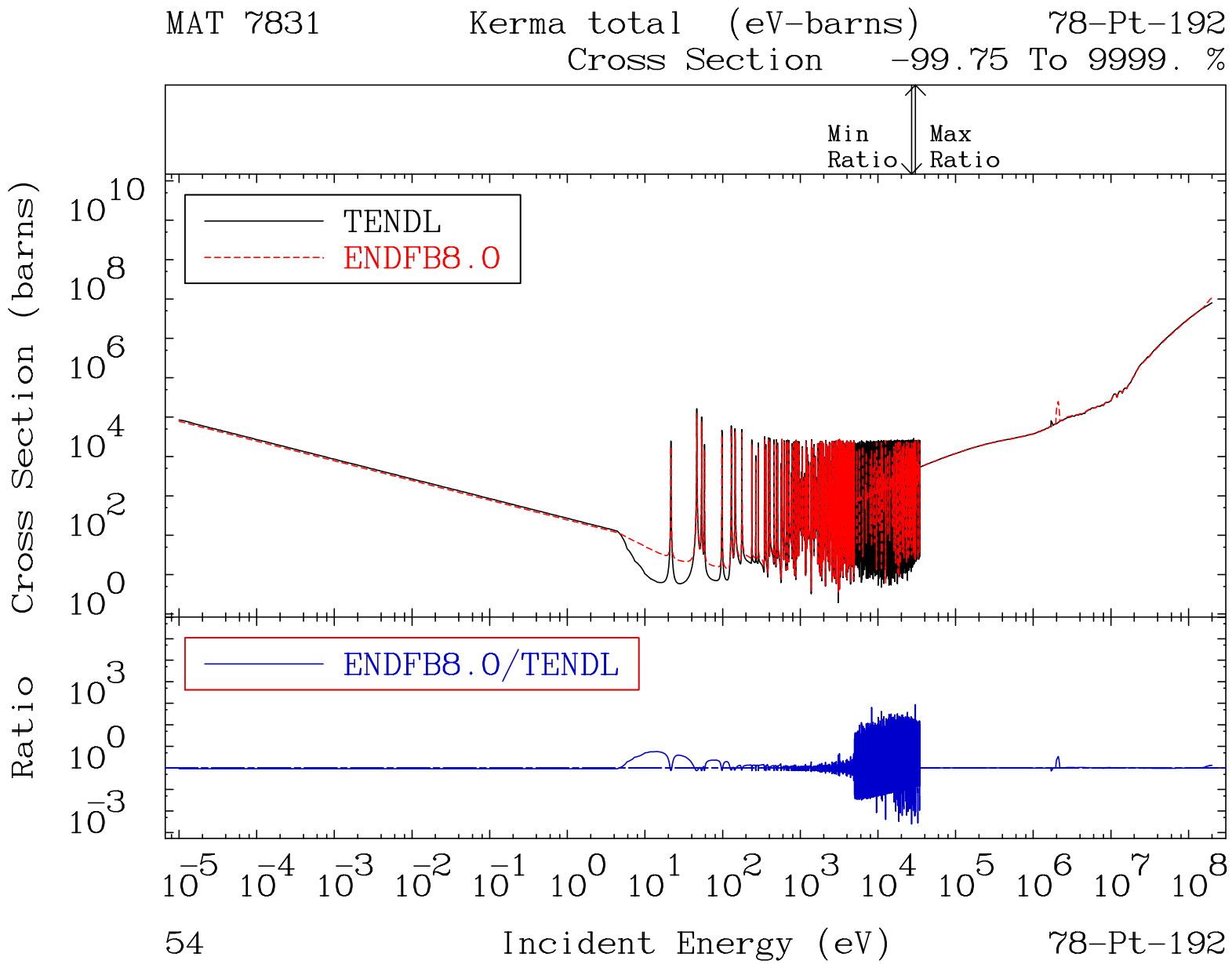

MAT 7831
Hydrogen Production
78-Pt-192
Cross Section
-65.83 To 213.0 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
49
78-Pt-192

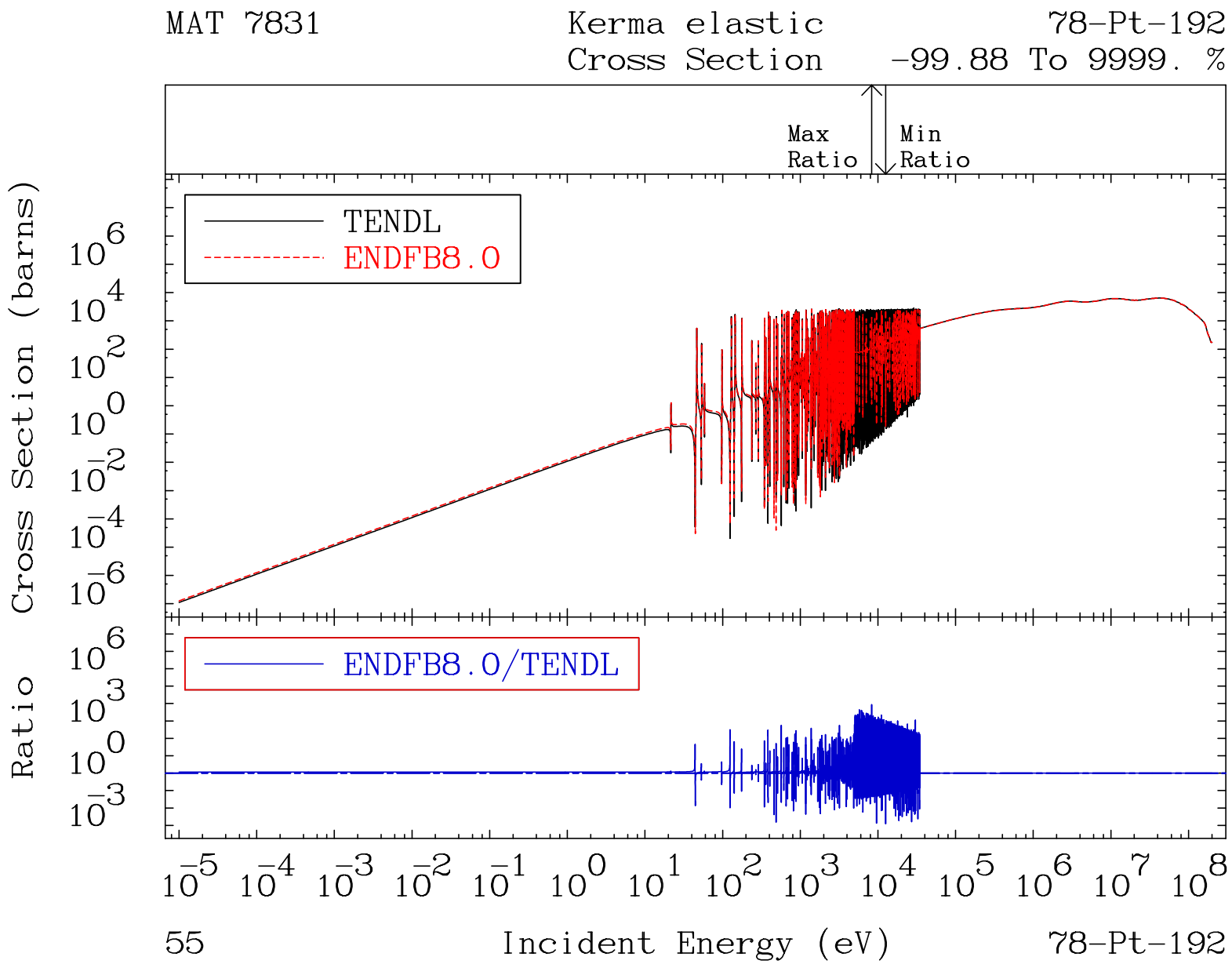

MAT 7831
Deuterium Production
78-Pt-192
Cross Section
-66.37 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6685 MeV
ENDFB8.0 Threshold 2.5764 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
50
78-Pt-192

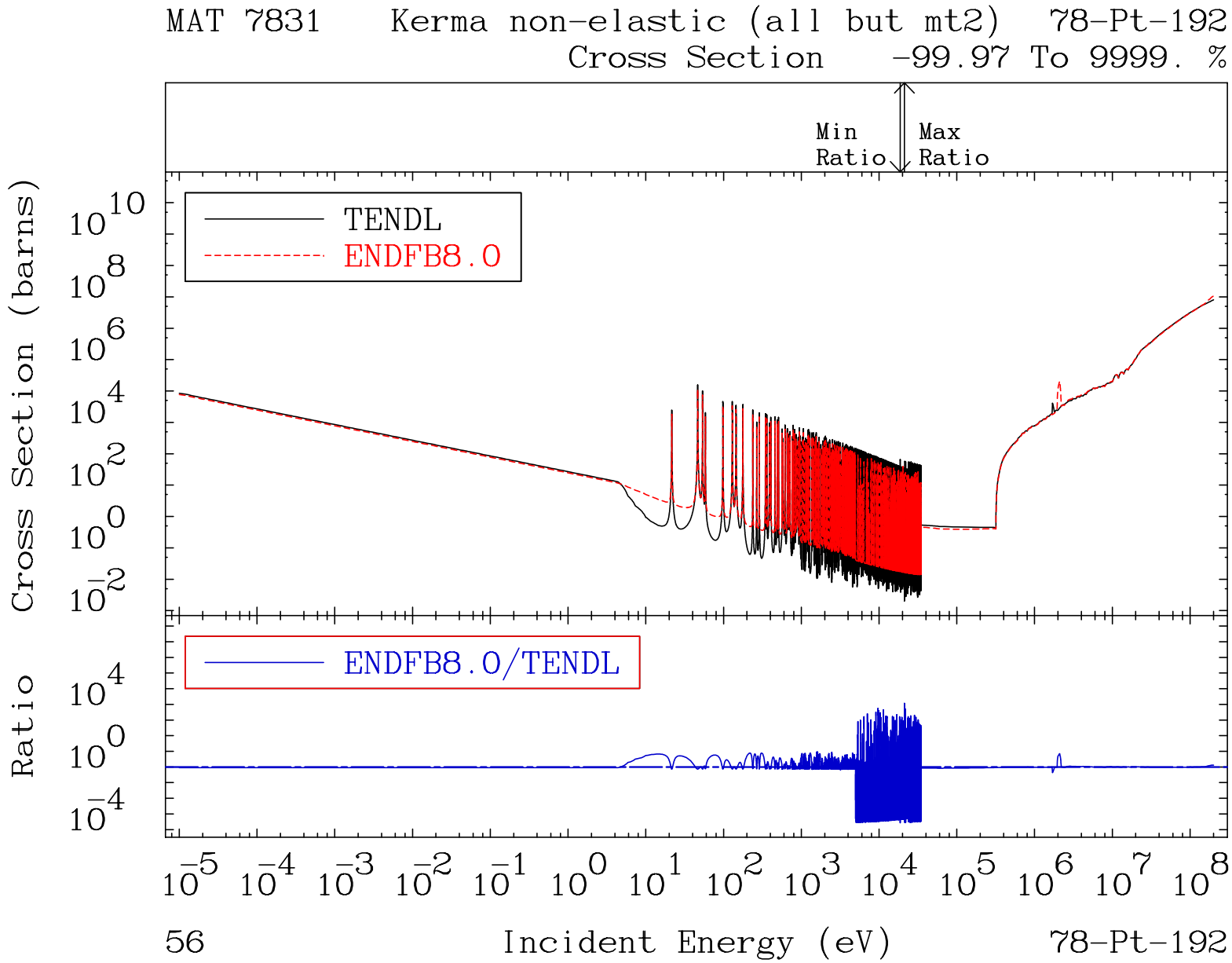

MAT 7831
Tritium Production
Cross Section
78-Pt-192
-100.0 To 375.8 %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
ENDFB8.0 Threshold 6.4487 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
51
Incident Energy (eV)
78-Pt-192

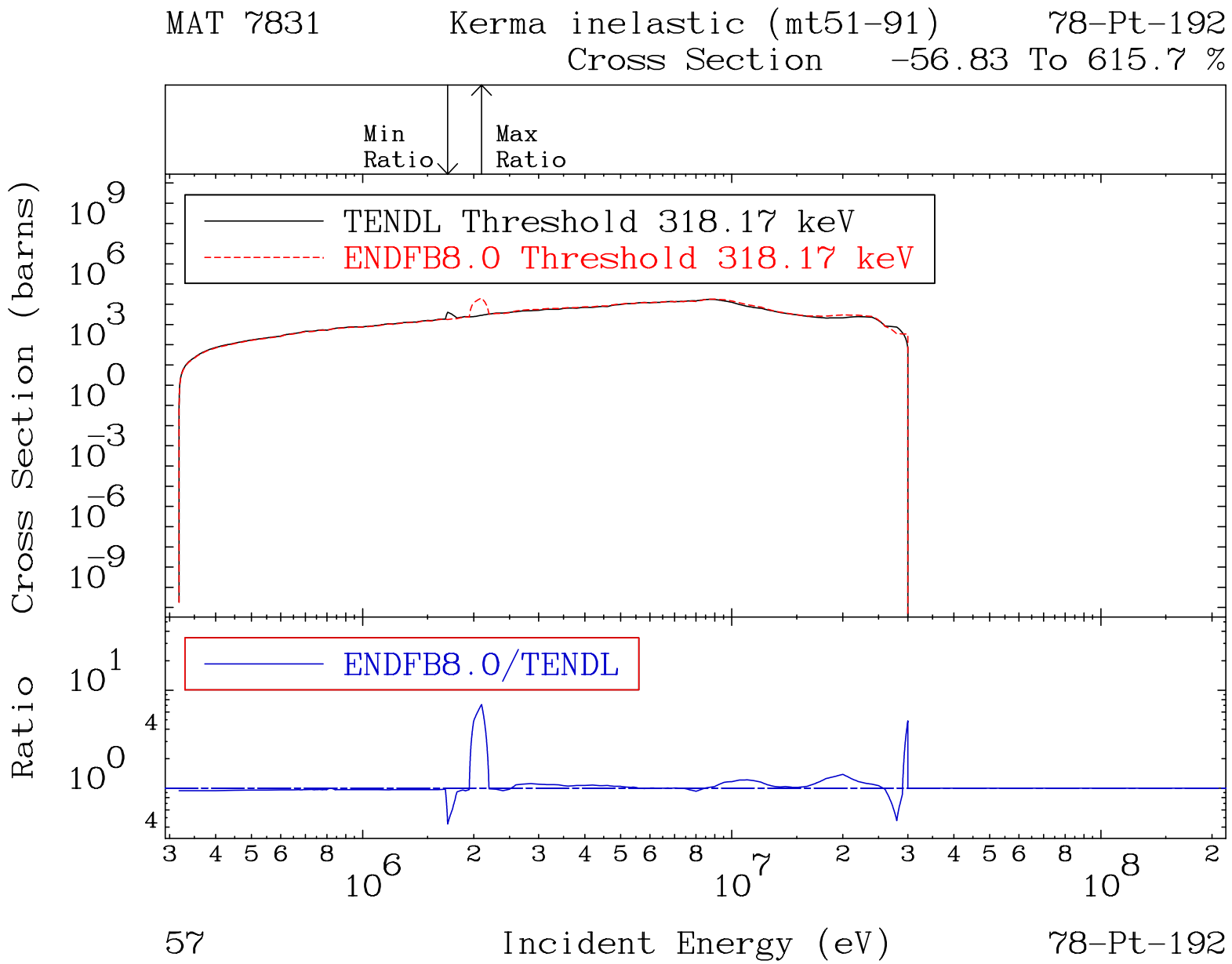

MAT 7831
He-3 Production
Cross Section
78-Pt-192
-100.0 To 294.5 %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
ENDFB8.0 Threshold 4.4660 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
6
4
2
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
52
Incident Energy (eV)
78-Pt-192

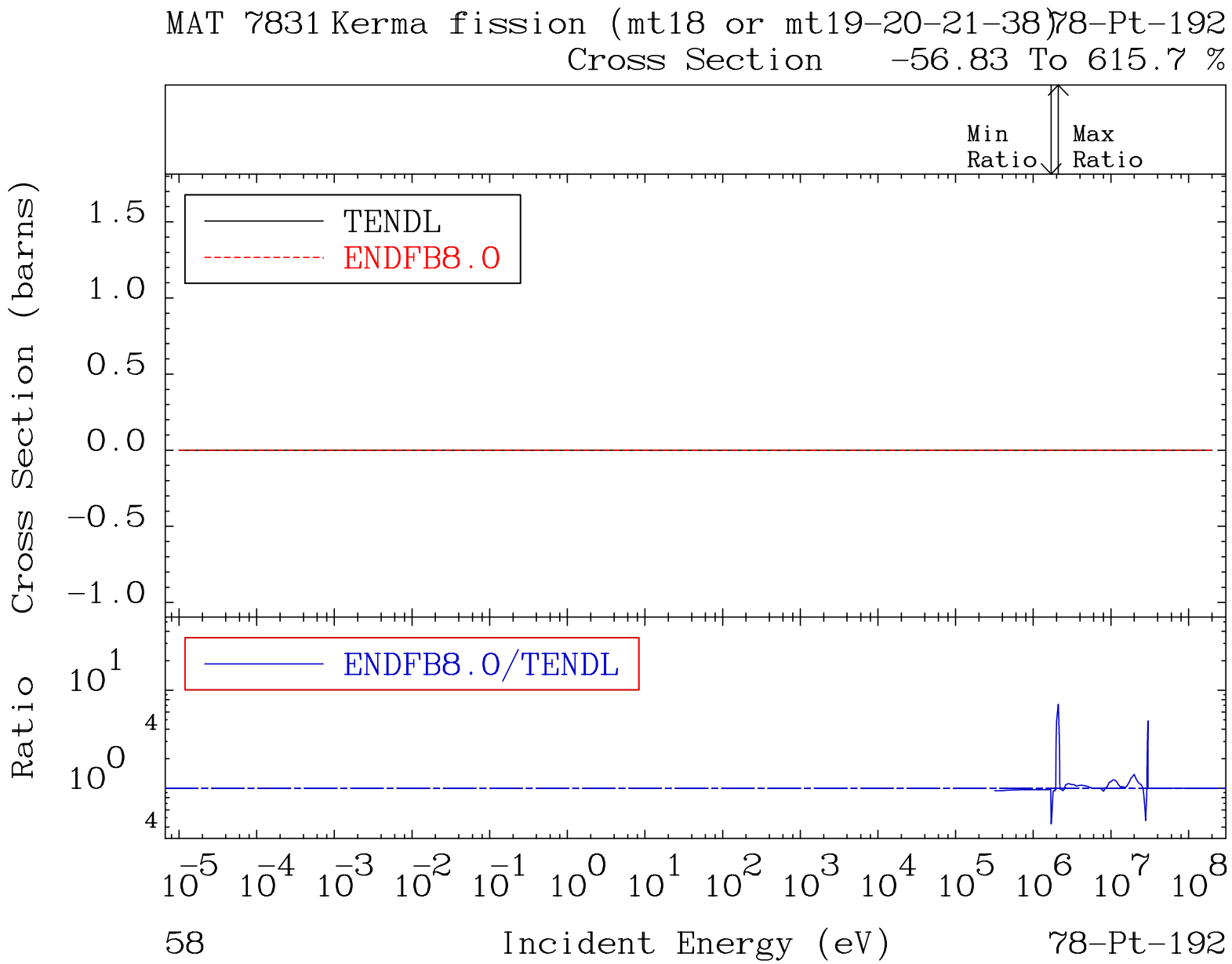

MAT 7831
He-4 Production
Cross Section
78-Pt-192
-27.94 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
78-Pt-192

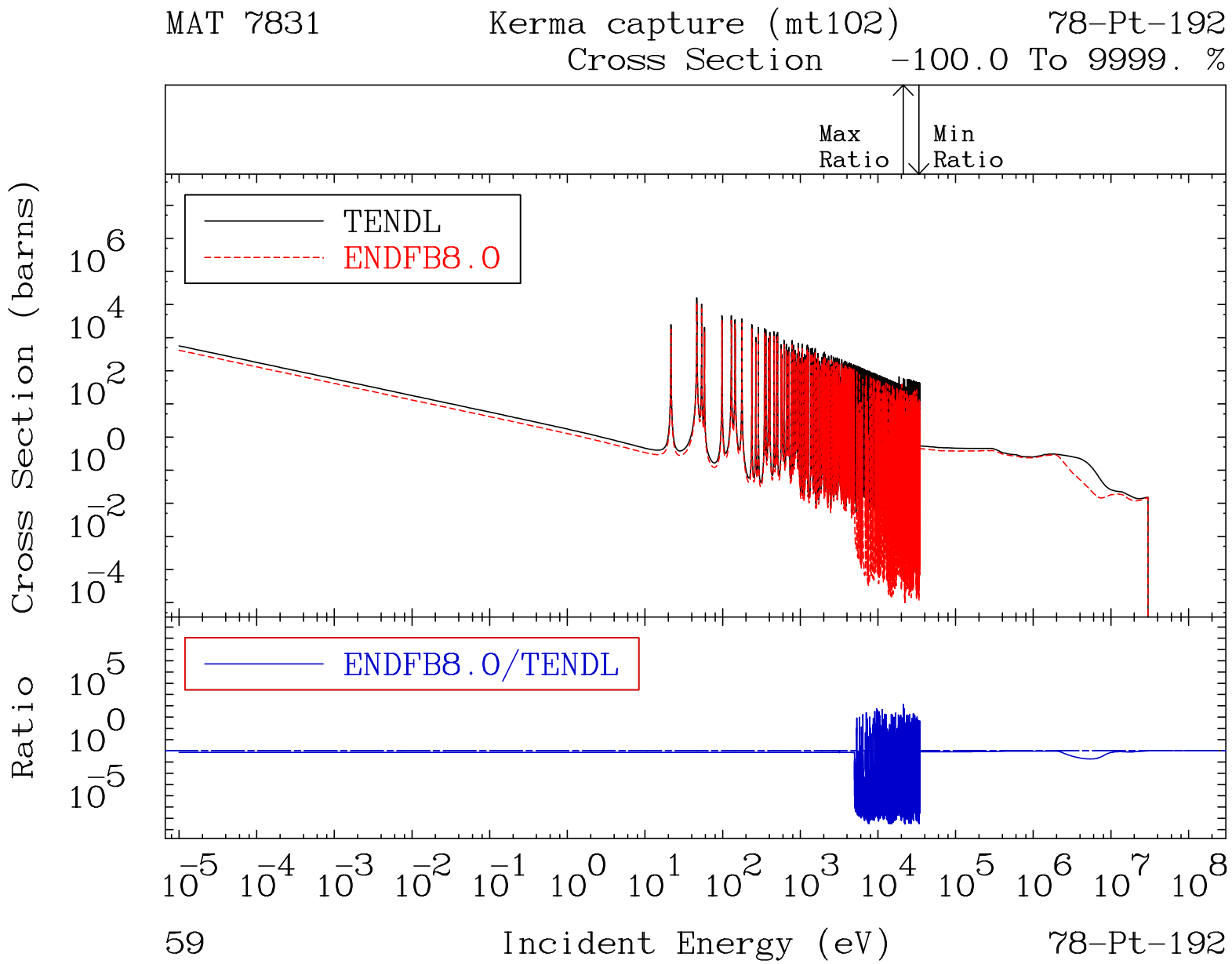

MAT 7831
Kerma total (eV-barns)
78-Pt-192
Cross Section -99.75 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
54
78-Pt-192

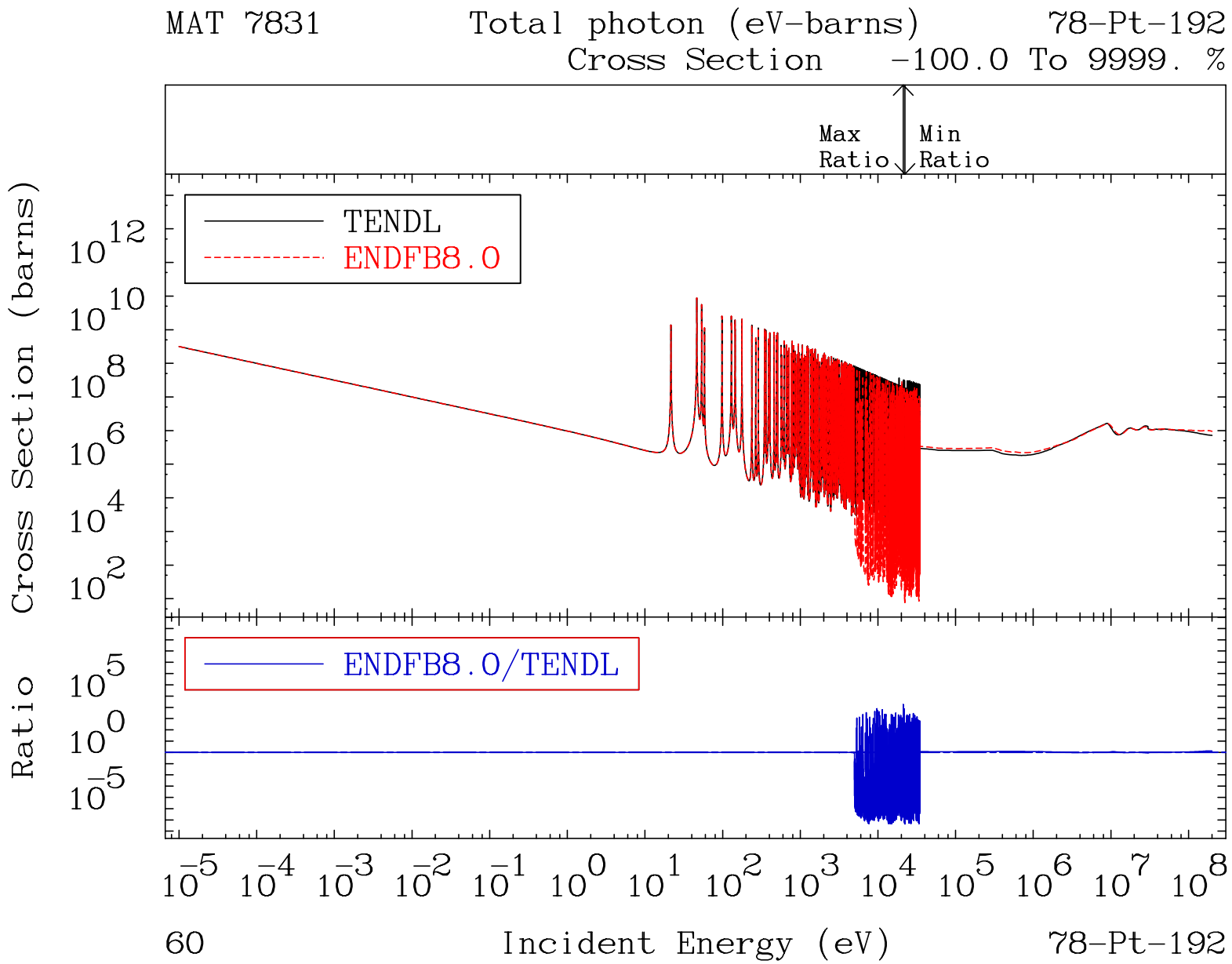

MAT 7831
Kerma elastic
Cross Section
78-Pt-192
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
78-Pt-192

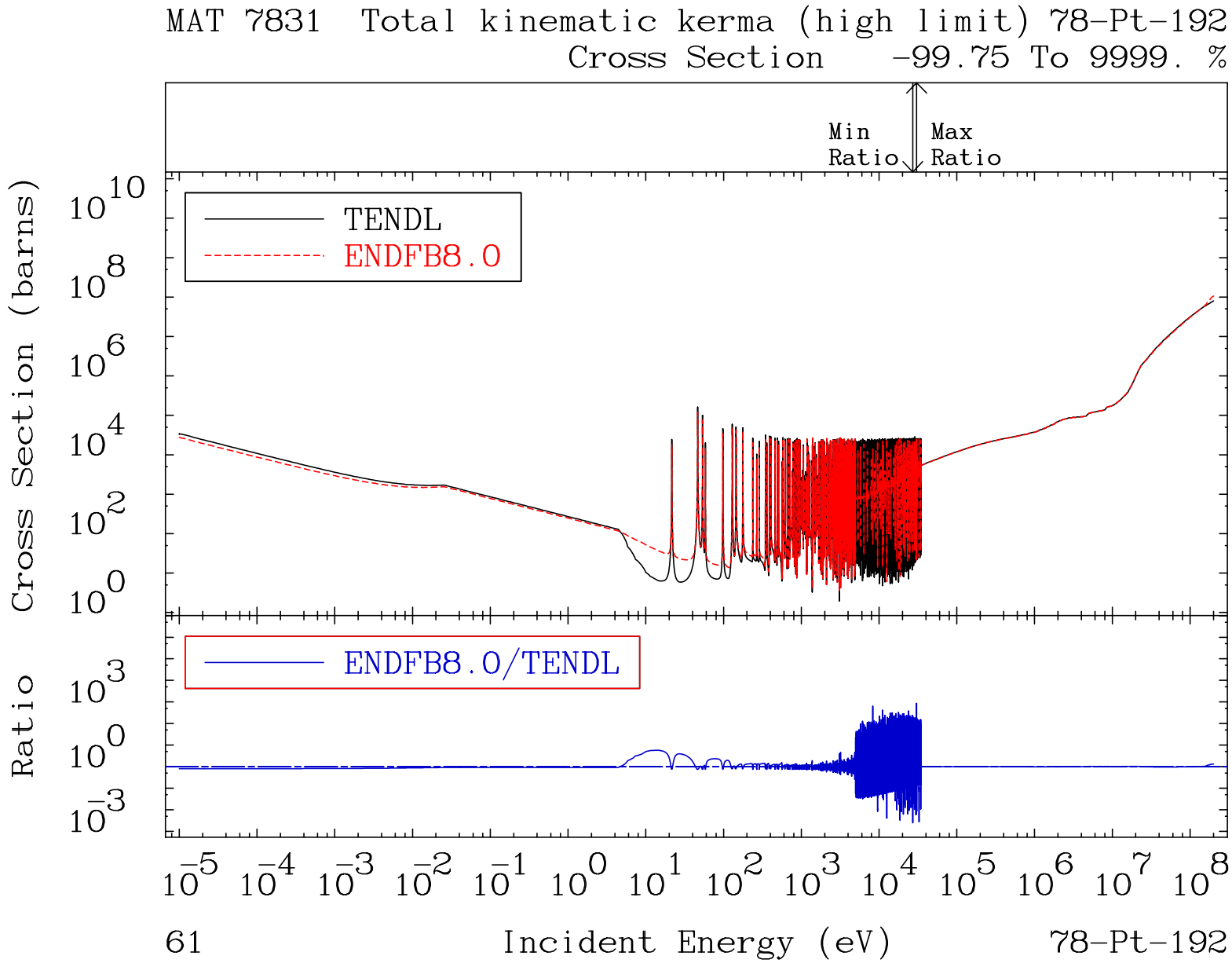

MAT 7831 Kerma non-elastic (all but mt2) 78-Pt-192
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
56
78-Pt-192

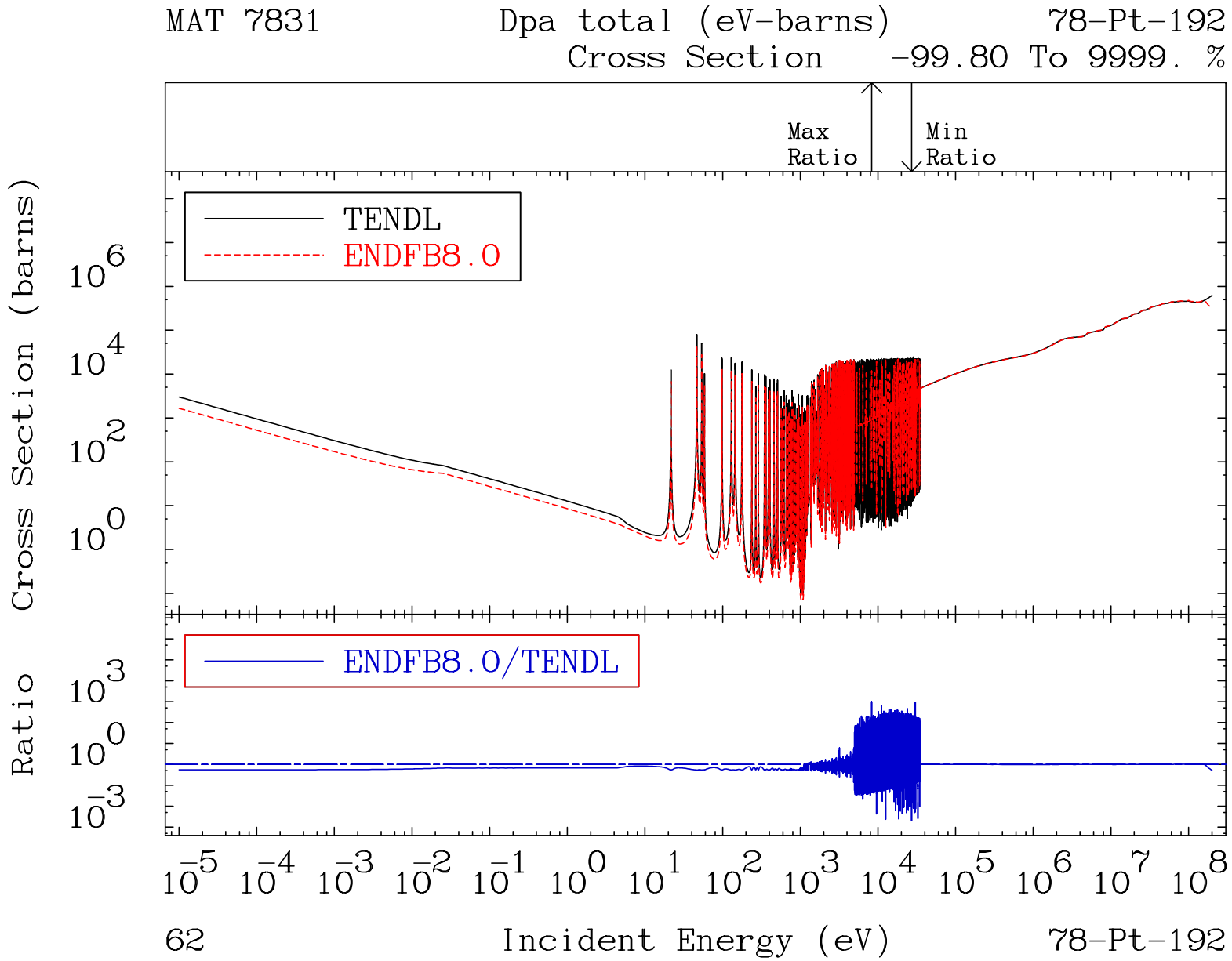

MAT 7831
Kerma inelastic (mt51-91)
78-Pt-192
Cross Section -56.83 To 615.7 %
Min Ratio
Max Ratio
TENDL Threshold 318.17 keV
ENDFB8.0 Threshold 318.17 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
57
78-Pt-192

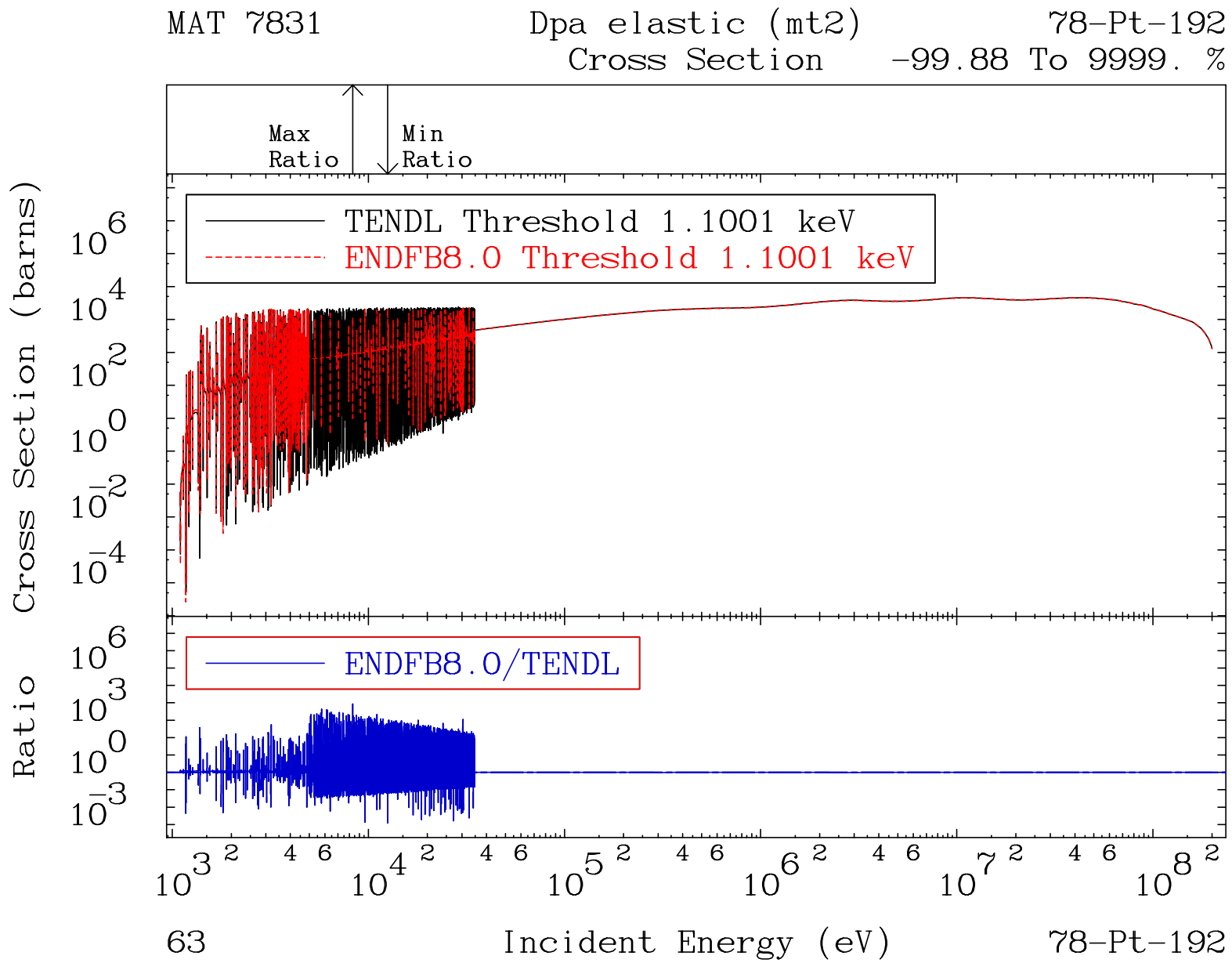

MAT 7831 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-192
Cross Section -56.83 To 615.7 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{1}
10^{0}
4
4
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
58
Incident Energy (eV)
78-Pt-192

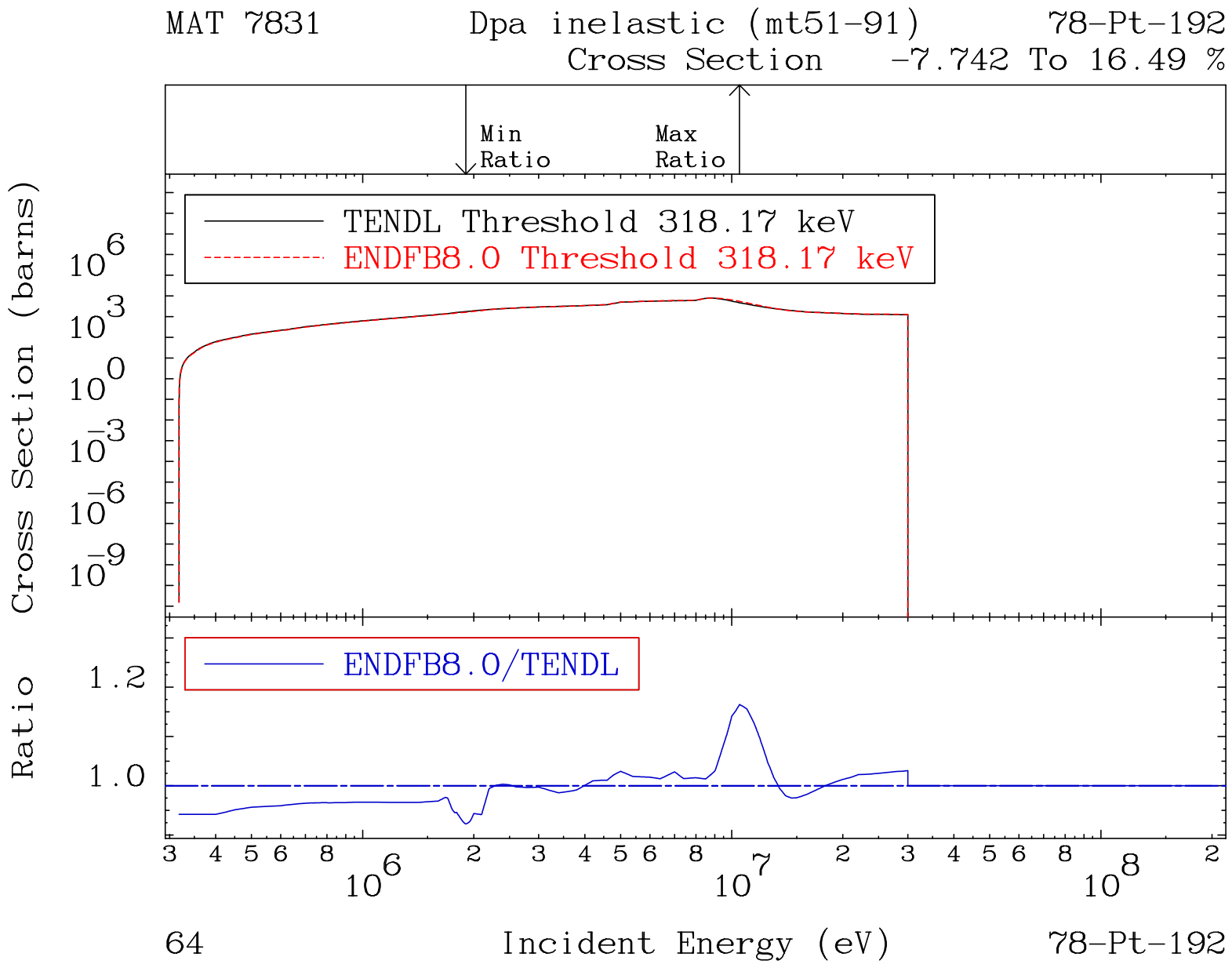

MAT 7831
Kerma capture (mt102)
78-Pt-192
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
59
Incident Energy (eV)
78-Pt-192

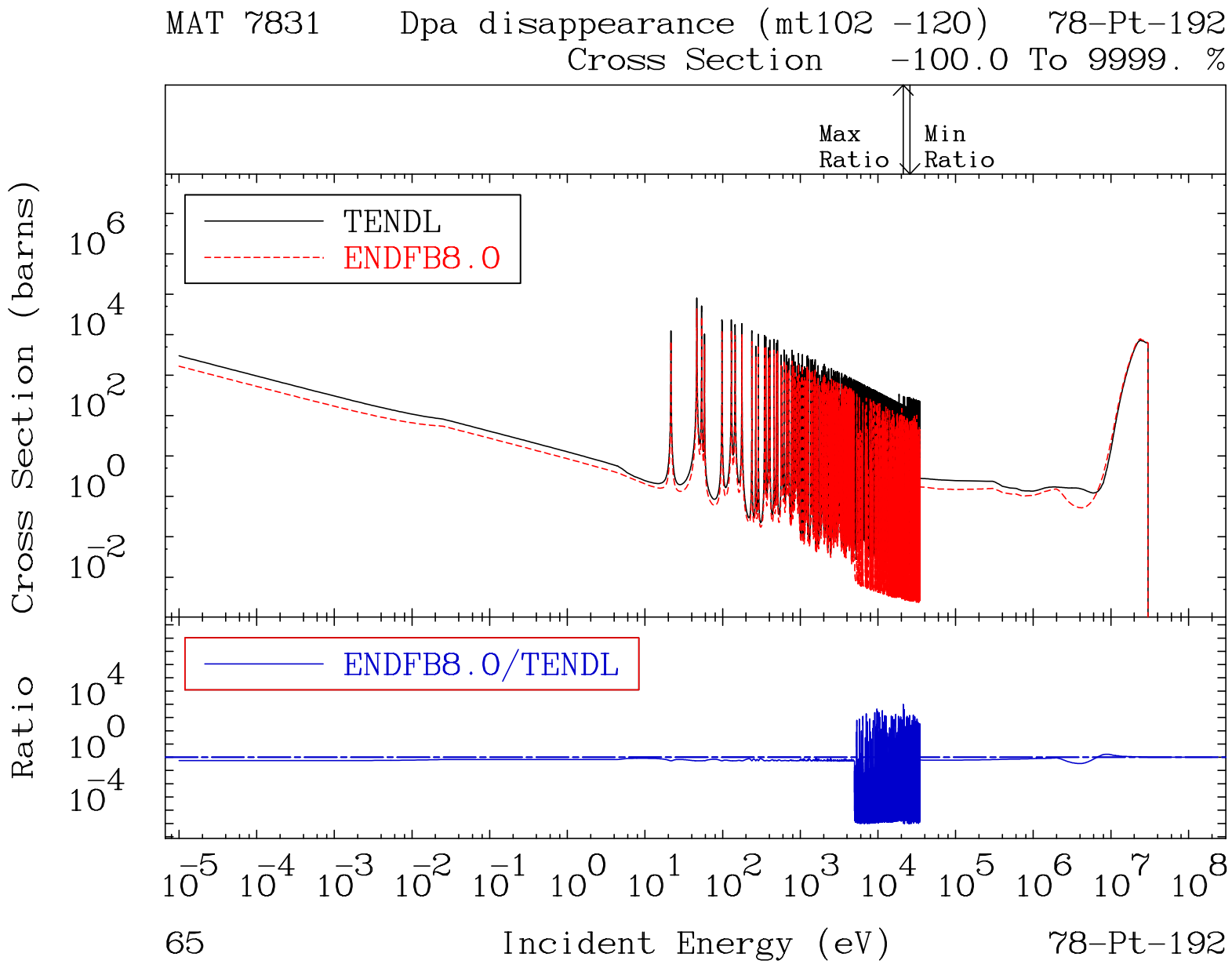

MAT 7831
Total photon (eV-barns)
78-Pt-192
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
78-Pt-192

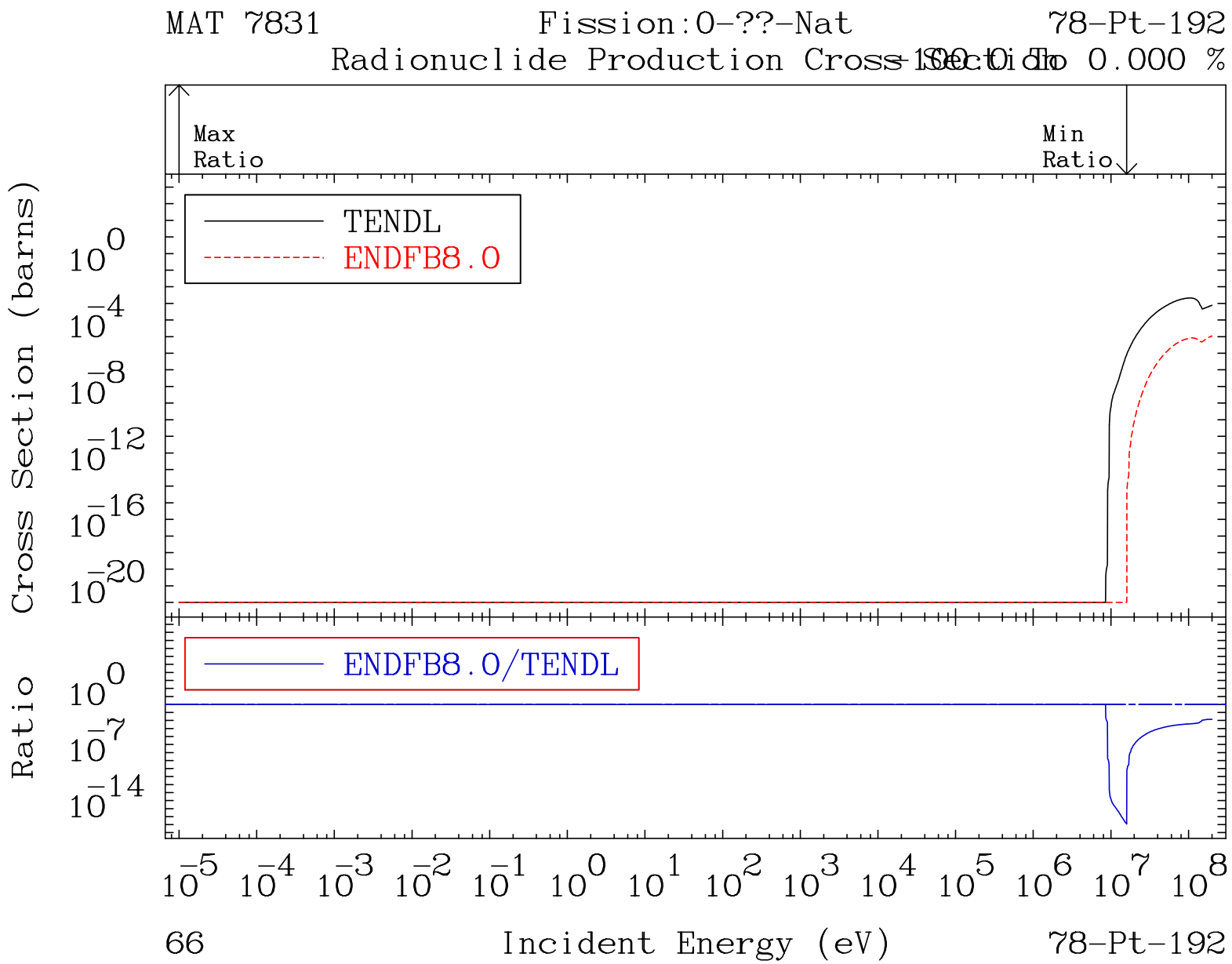

MAT 7831 Total kinematic kerma (high limit) 78-Pt-192
Cross Section -99.75 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
61
78-Pt-192

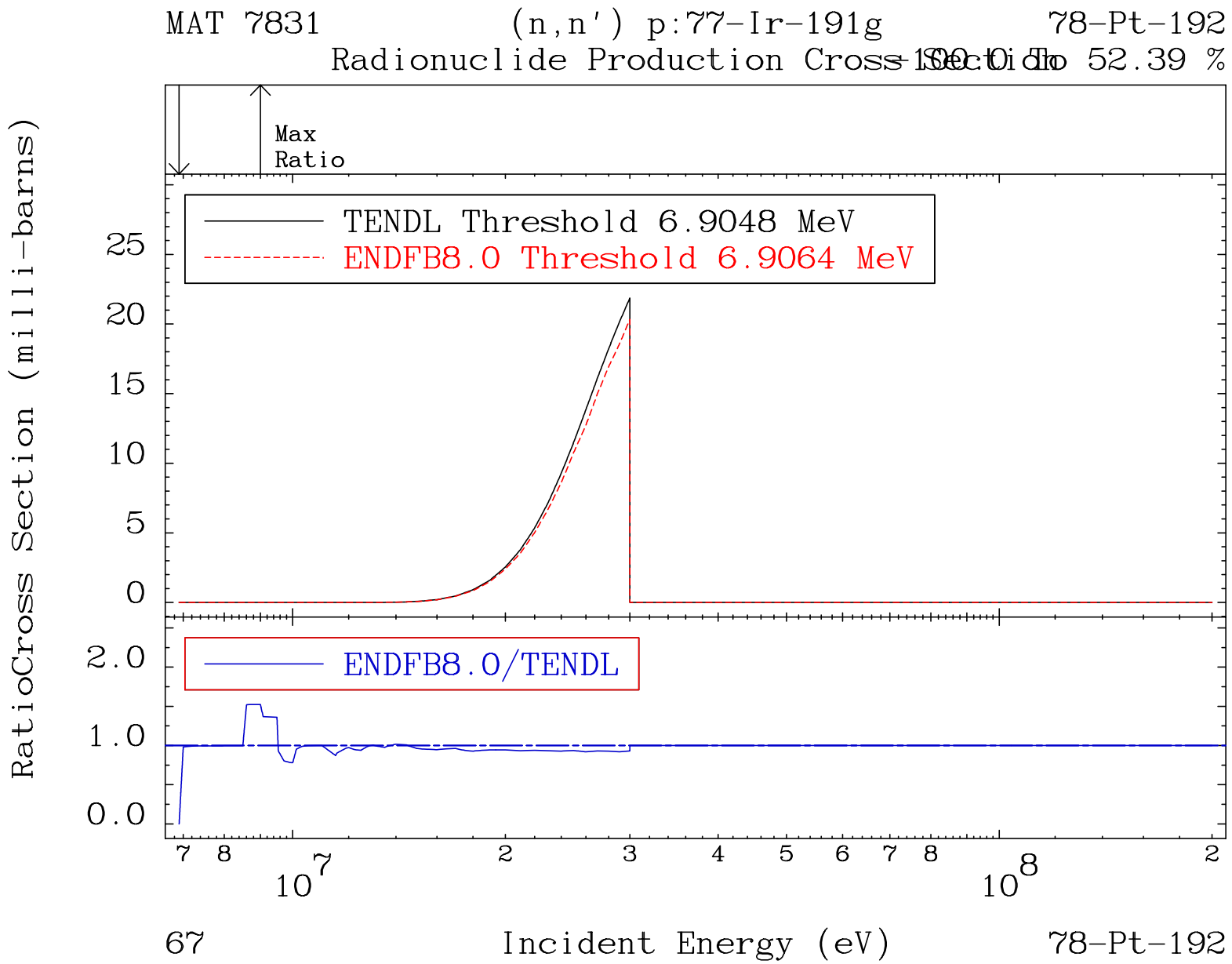

MAT 7831
Dpa total (eV-barns)
78-Pt-192
Cross Section
-99.80 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
62
78-Pt-192

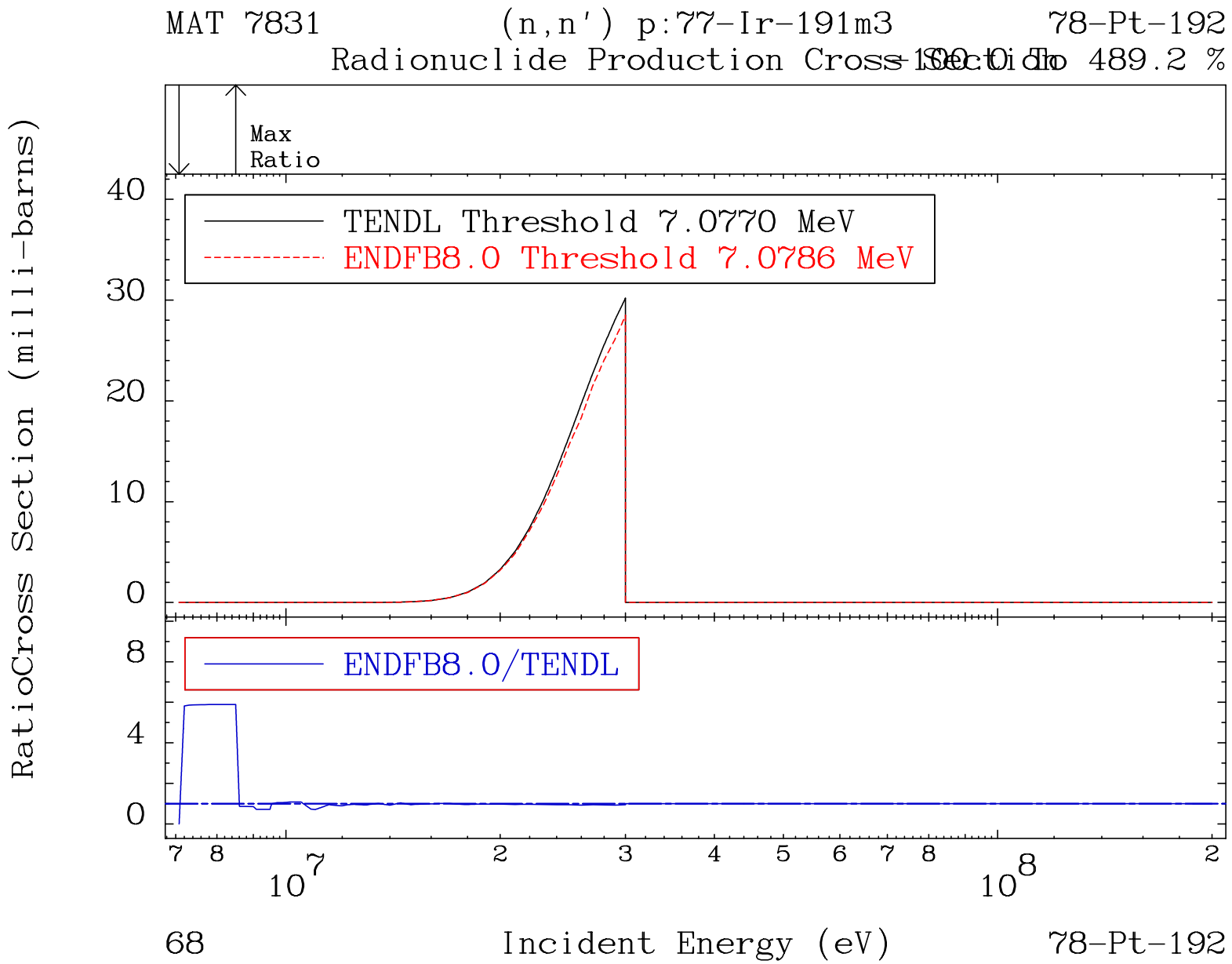

MAT 7831
Dpa elastic (mt2)
Cross Section
78-Pt-192
-99.88 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1001 keV
ENDFB8.0 Threshold 1.1001 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
78-Pt-192

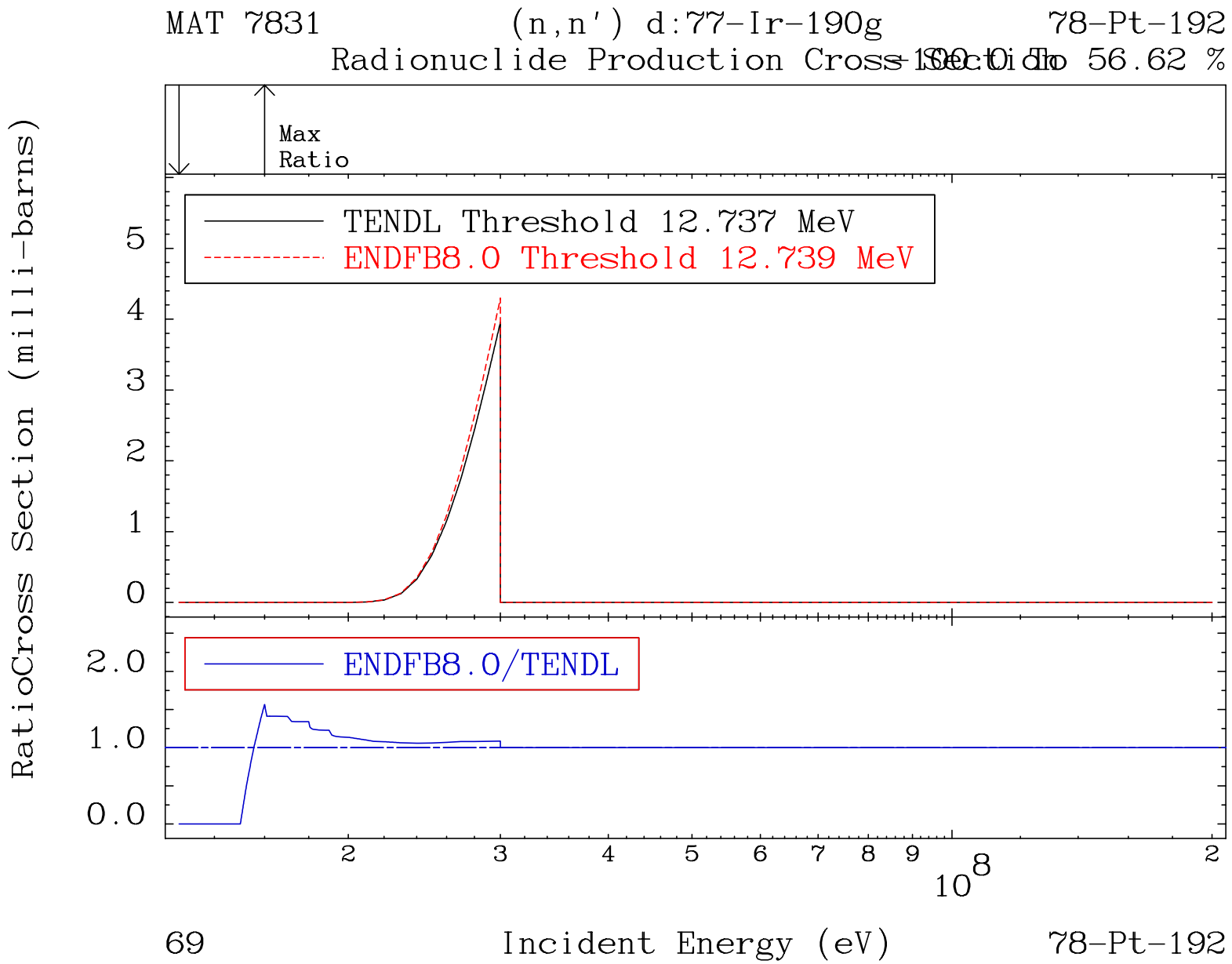

MAT 7831
Dpa inelastic (mt51-91)
78-Pt-192
Cross Section
-7.742 To 16.49 %
Min Ratio
Max Ratio
TENDL Threshold 318.17 keV
ENDFB8.0 Threshold 318.17 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
64
78-Pt-192

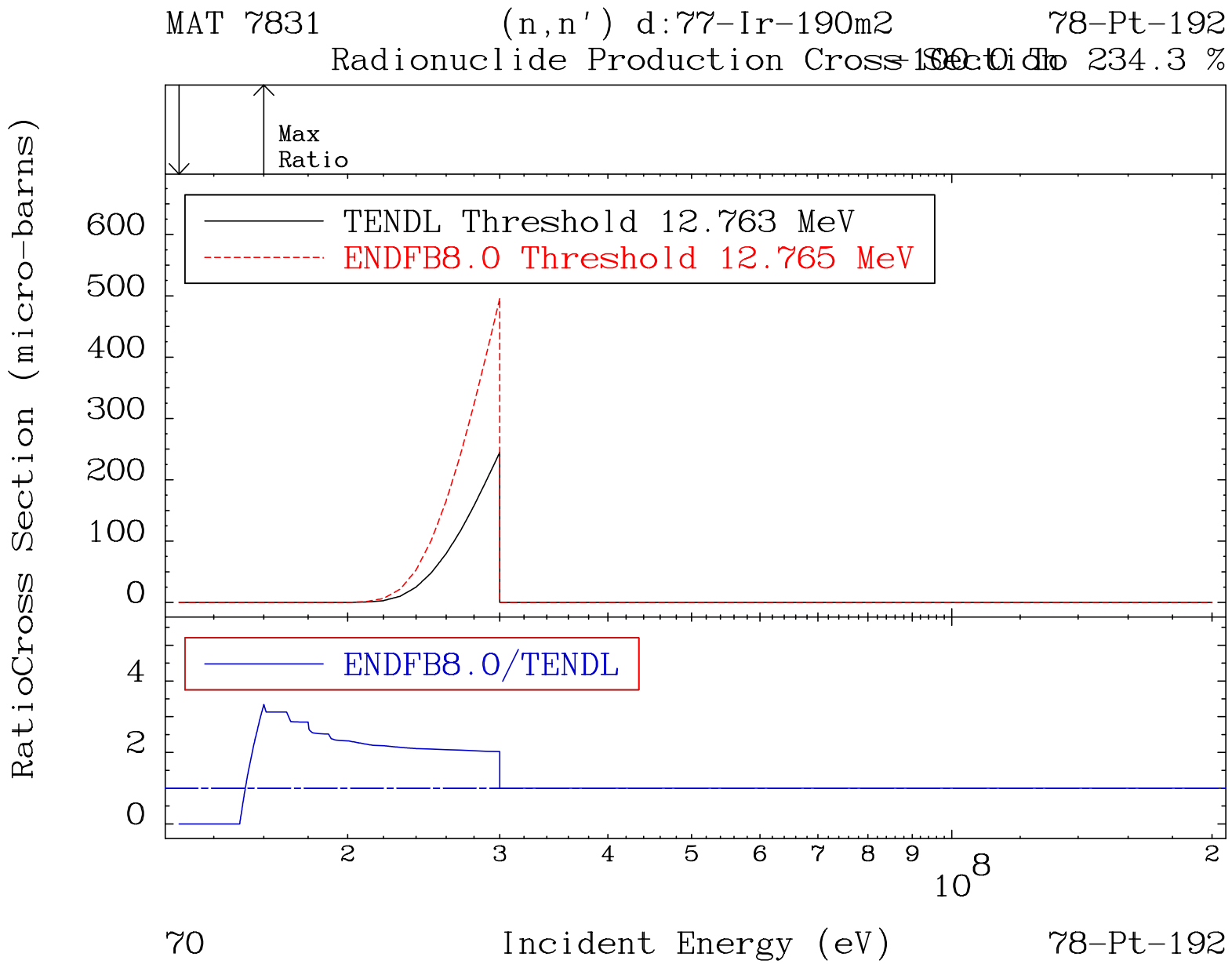

MAT 7831 Dpa disappearance (mt102 -120) 78-Pt-192
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
65
78-Pt-192

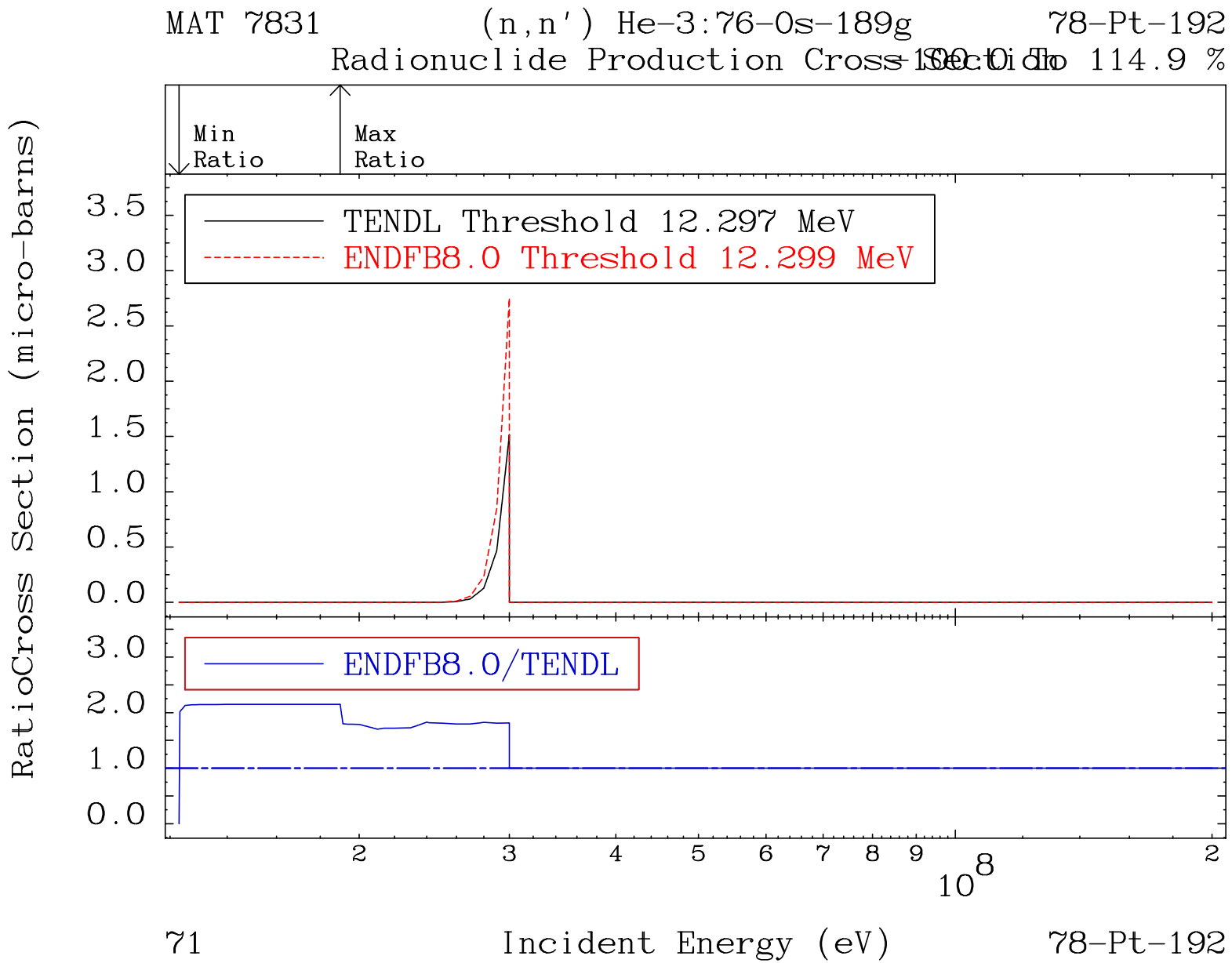

MAT 7831
Fission:0-??-Nat
78-Pt-192
Radionuclide Production Cross Section
Uncertainty 0.000 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
78-Pt-192

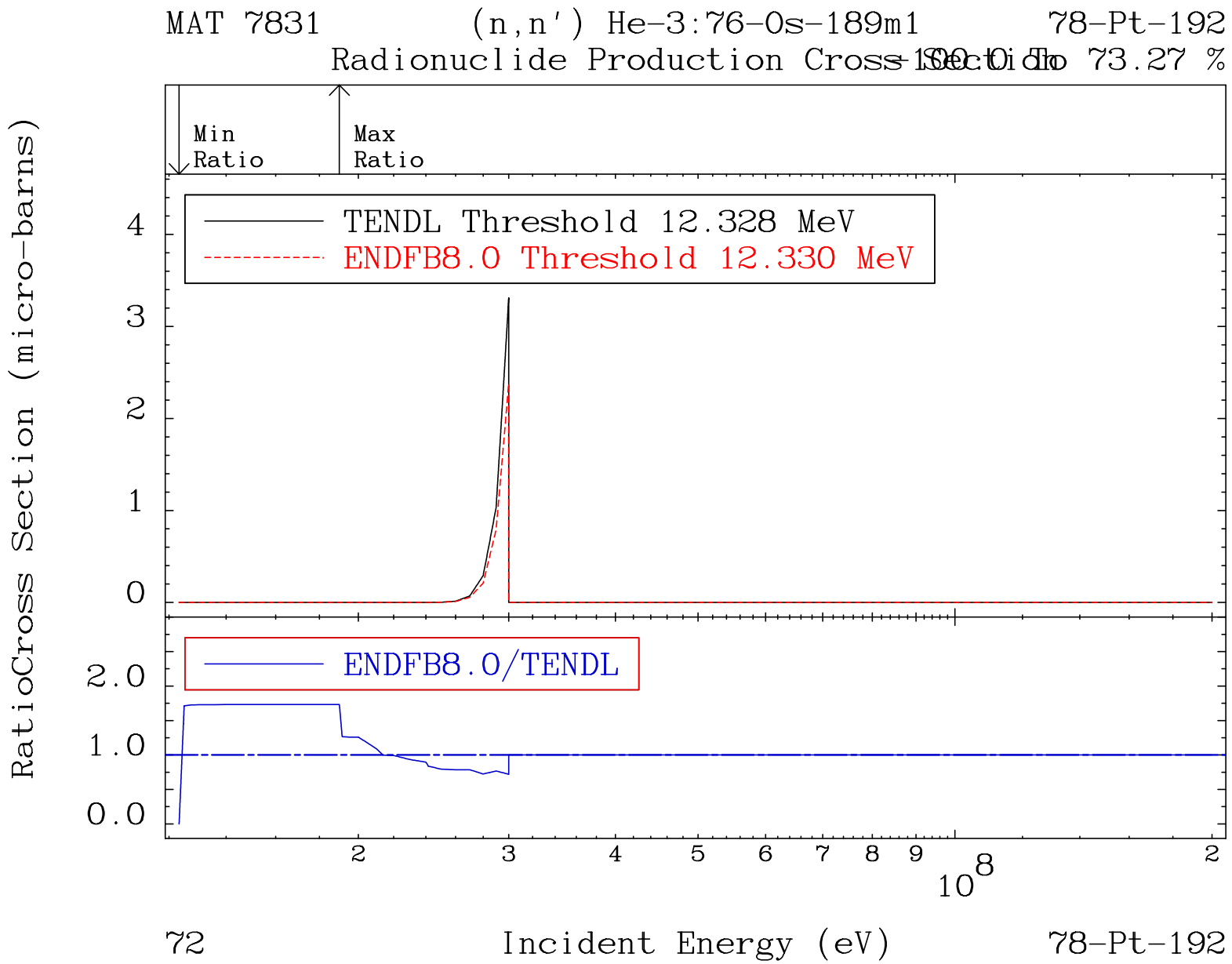

MAT 7831
(n,n') p:77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 6.9048 MeV
ENDFB8.0 Threshold 6.9064 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
78-Pt-192

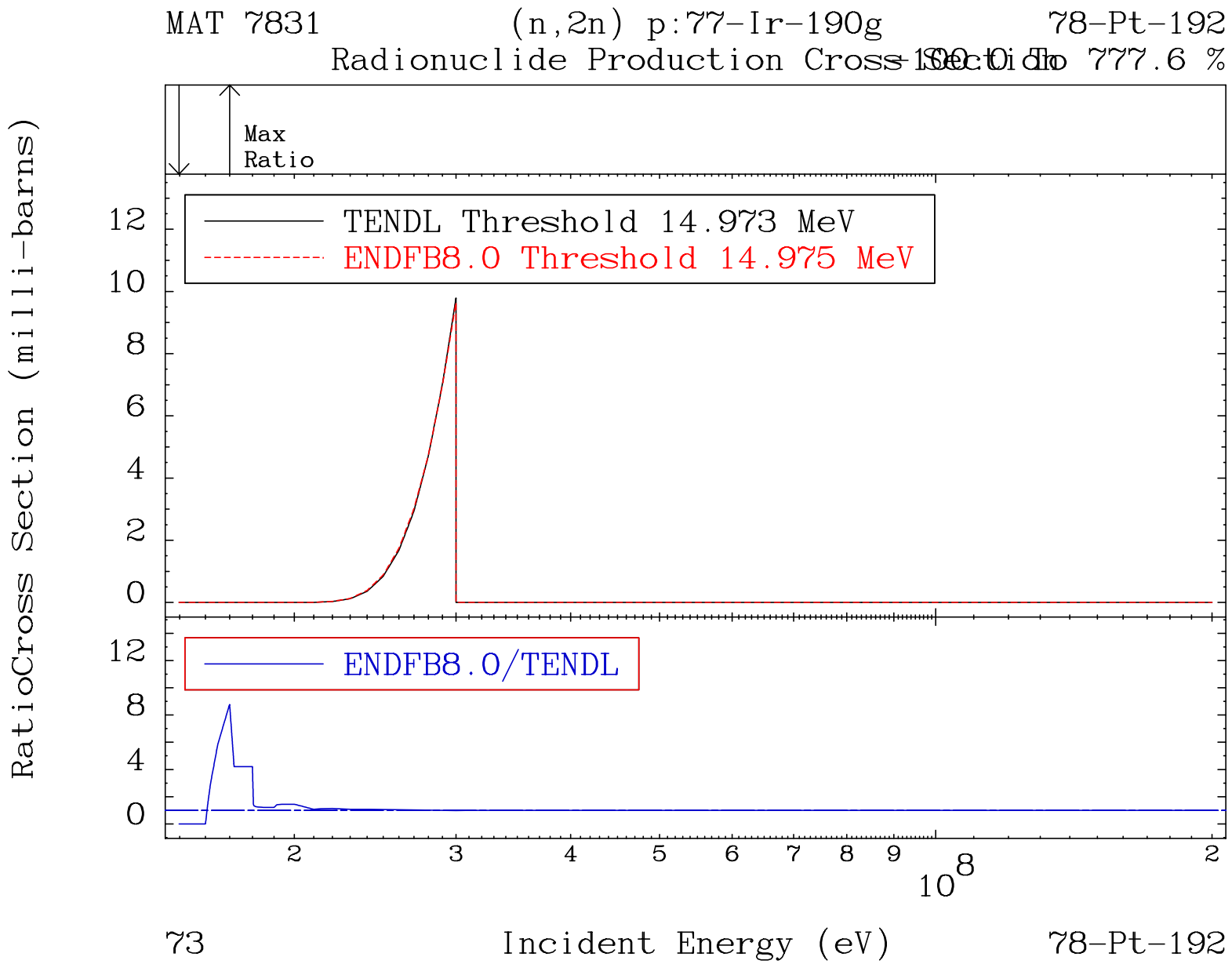

MAT 7831
(n,n') p:77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.0770 MeV
ENDFB8.0 Threshold 7.0786 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
78-Pt-192

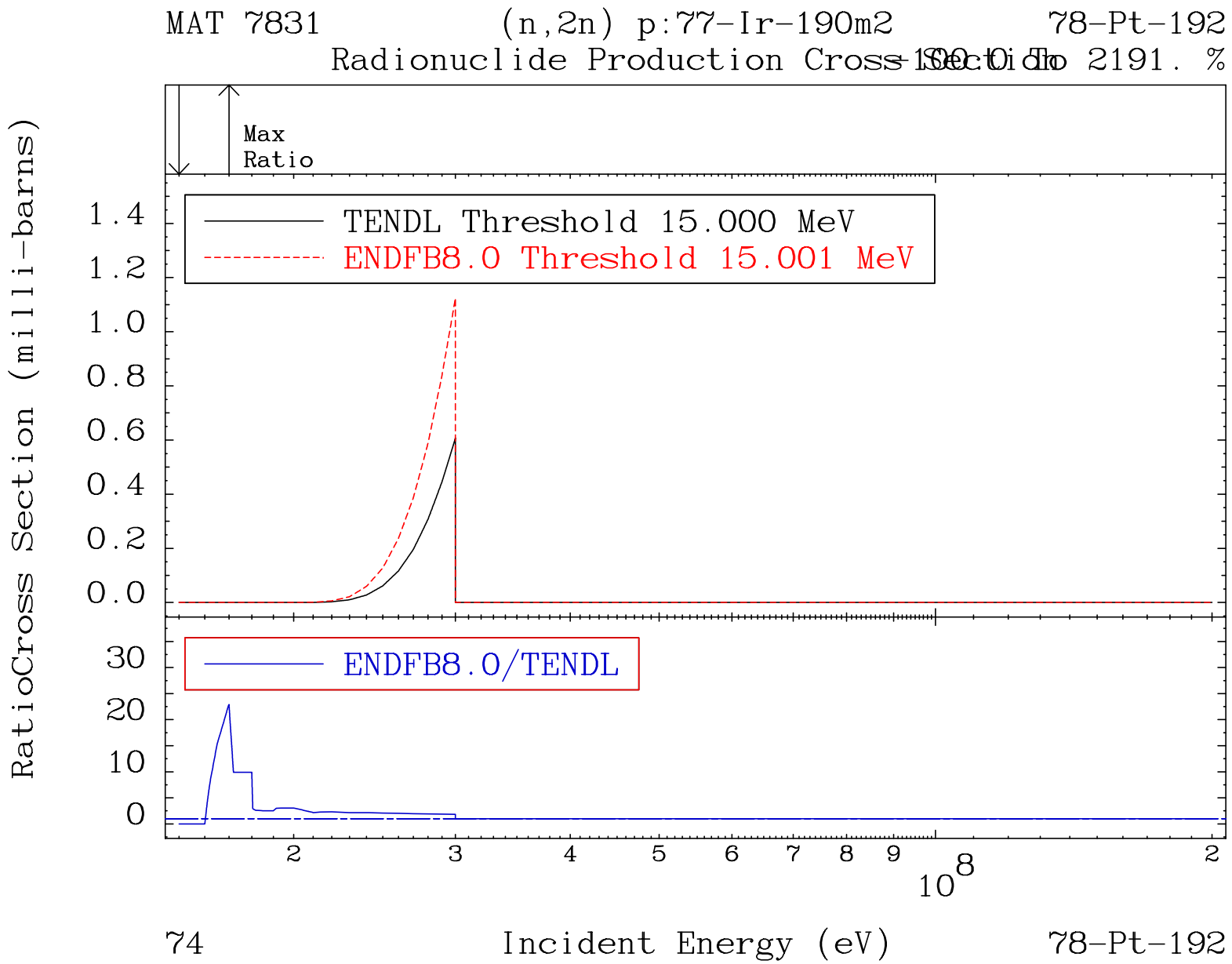

MAT 7831
(n,n') d:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 56.62 %
Max
Ratio
TENDL Threshold 12.737 MeV
ENDFB8.0 Threshold 12.739 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
78-Pt-192

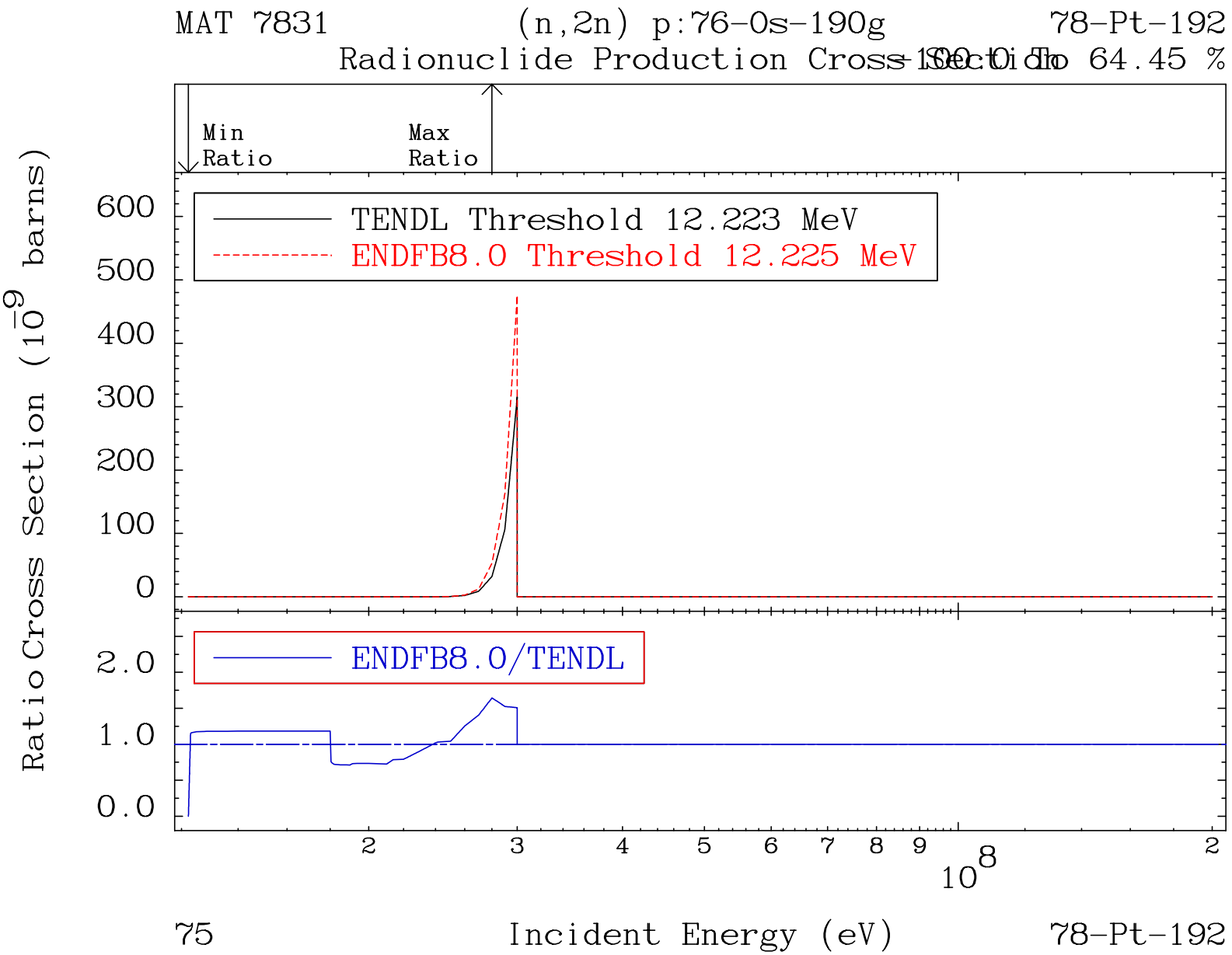

MAT 7831
(n,n') d:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 234.3 %
Max
Ratio
TENDL Threshold 12.763 MeV
ENDFB8.0 Threshold 12.765 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
70
Incident Energy (eV)
78-Pt-192

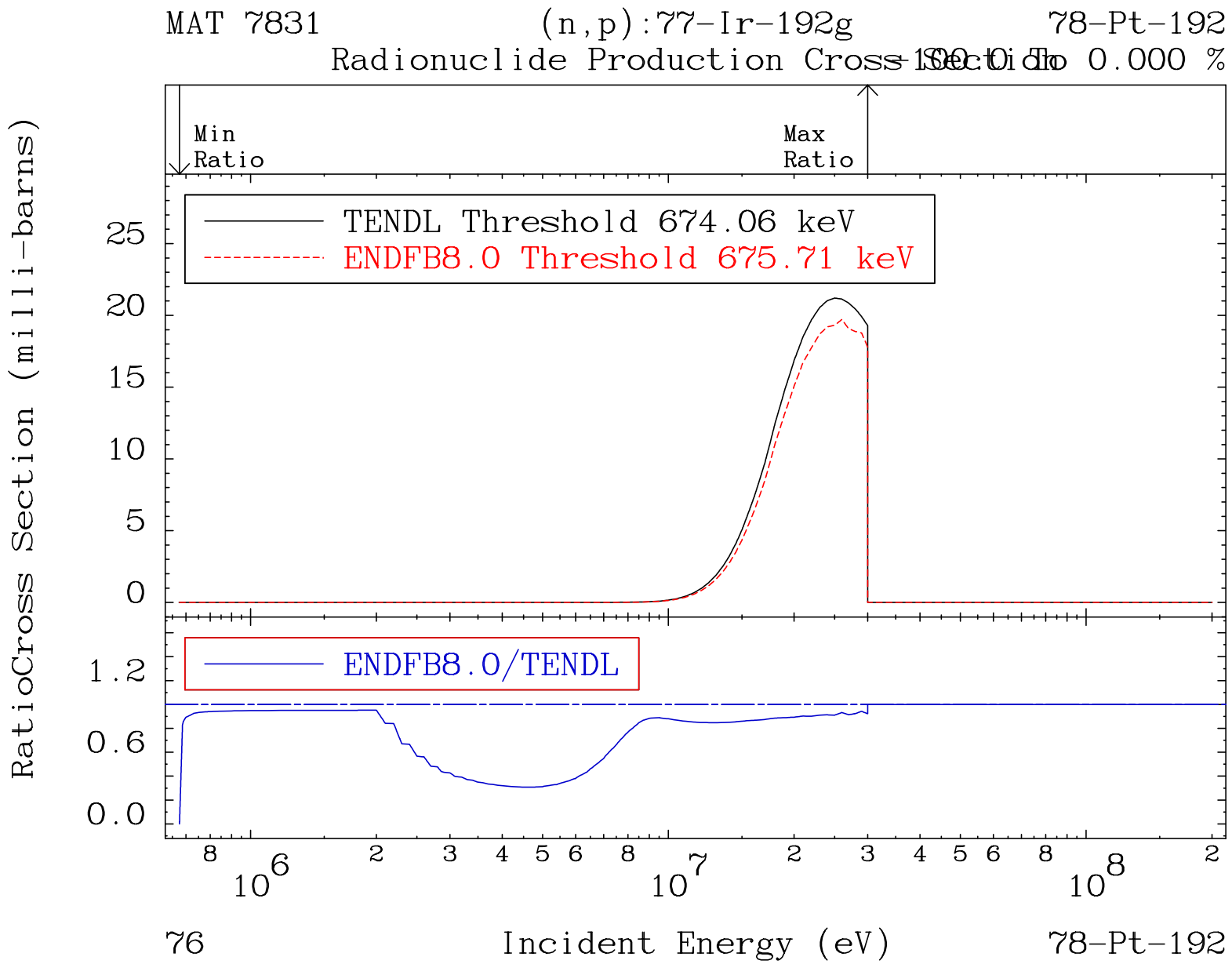

MAT 7831
(n,n') He-3:76-0s-189g
78-Pt-192
Radionuclide Production Cross Section To 114.9 %
Min Ratio
Max Ratio
TENDL Threshold 12.297 MeV
ENDFB8.0 Threshold 12.299 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
71
Incident Energy (eV)
78-Pt-192

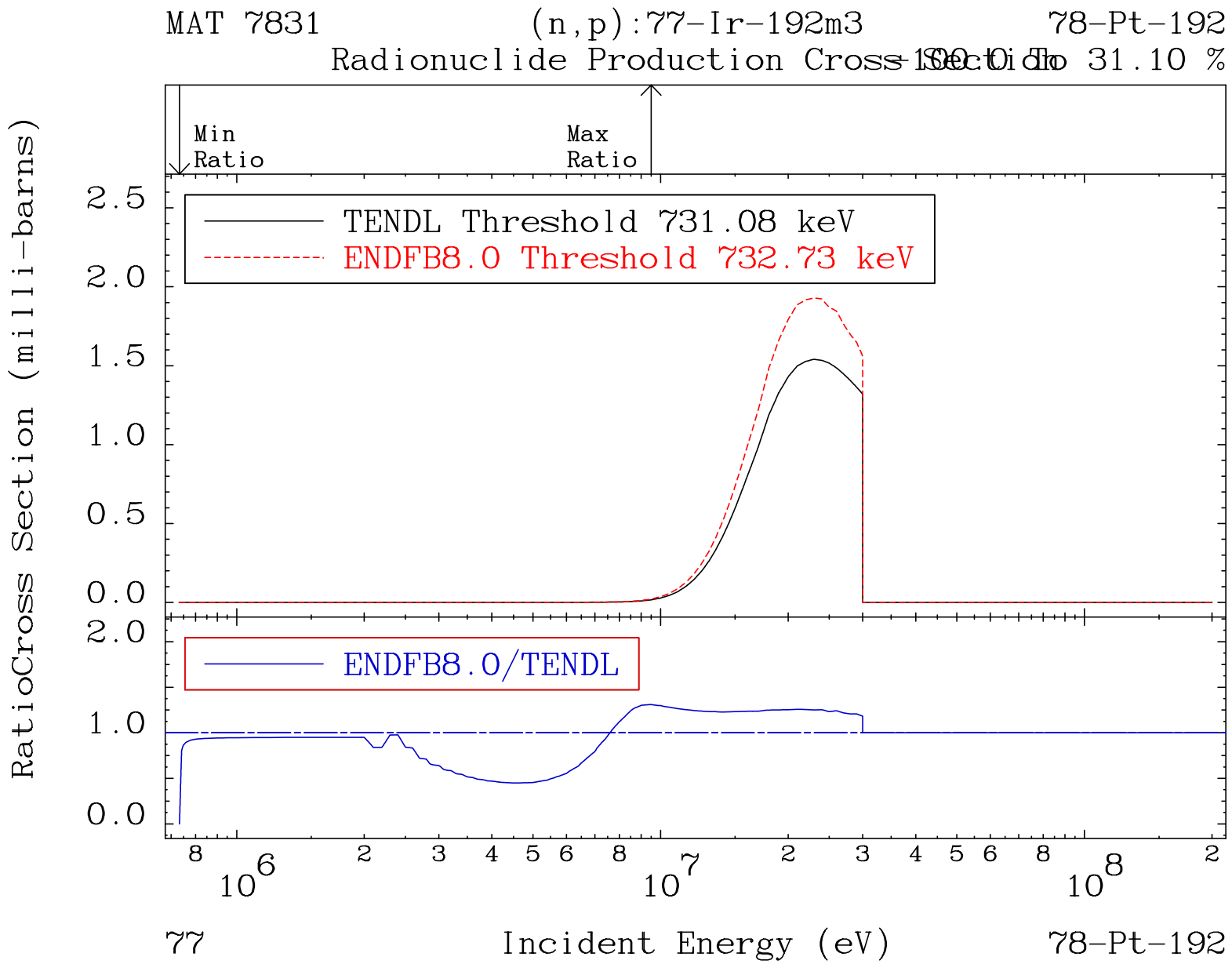

MAT 7831
(n,n') He-3:76-0s-189m1
78-Pt-192
Radionuclide Production Cross Section To 73.27 %
Min Ratio
Max Ratio
TENDL Threshold 12.328 MeV
ENDFB8.0 Threshold 12.330 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
72
78-Pt-192

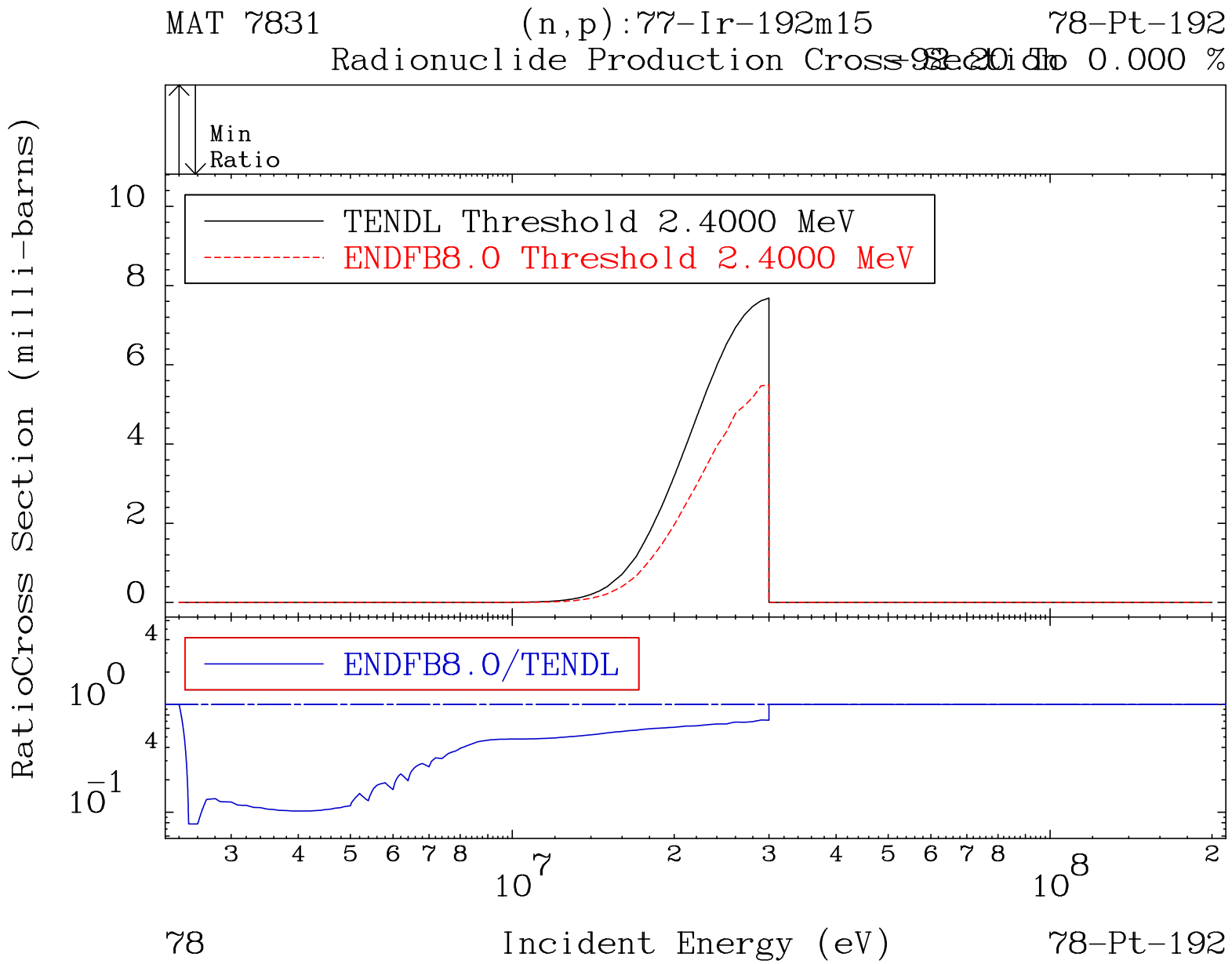

MAT 7831
(n,2n) p:77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 777.6 %
Max
Ratio
TENDL Threshold 14.973 MeV
ENDFB8.0 Threshold 14.975 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
78-Pt-192

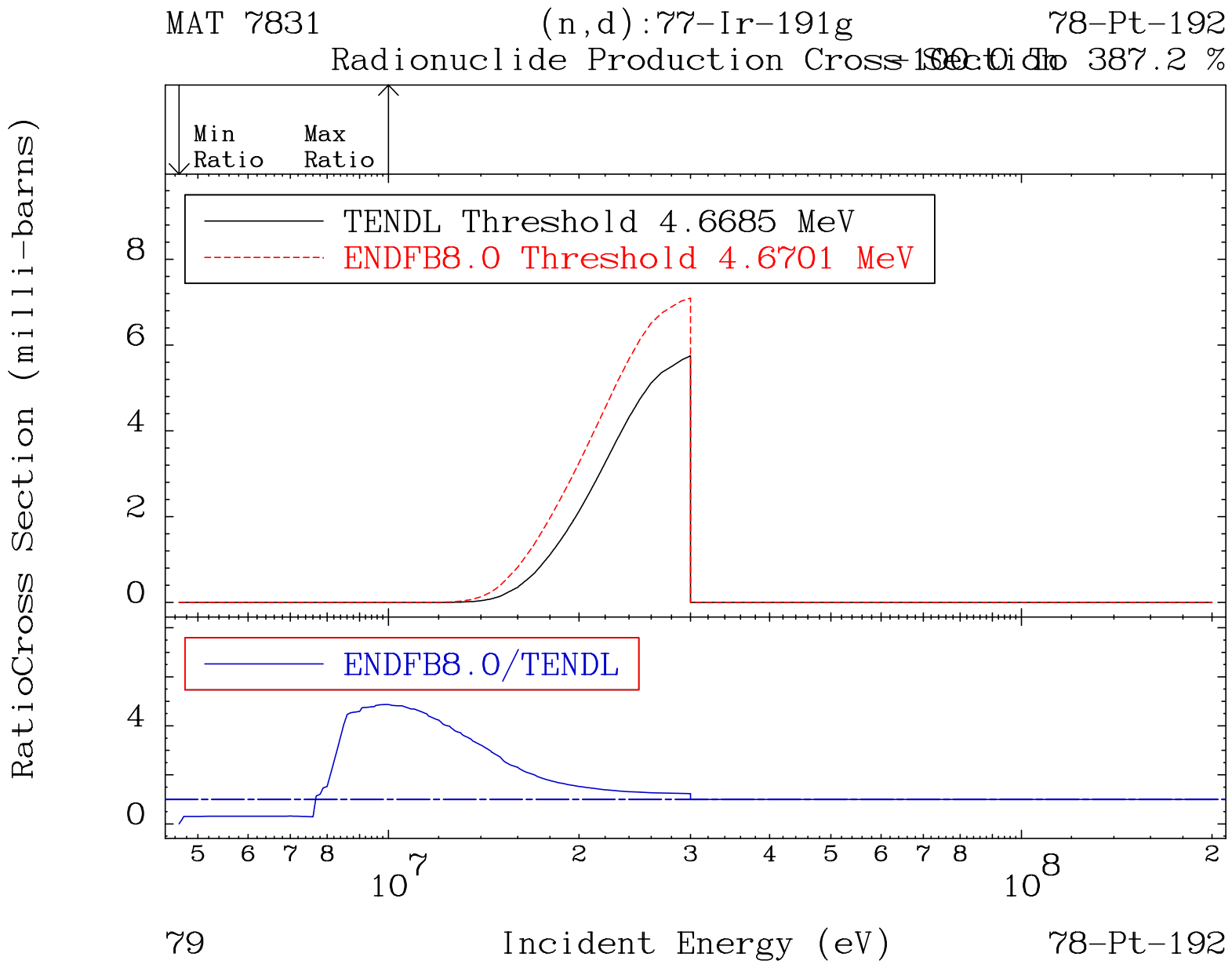

MAT 7831
(n,2n) p:77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section
Max Ratio = 2191. %
Max Ratio
TENDL Threshold 15.000 MeV
ENDFB8.0 Threshold 15.001 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
78-Pt-192

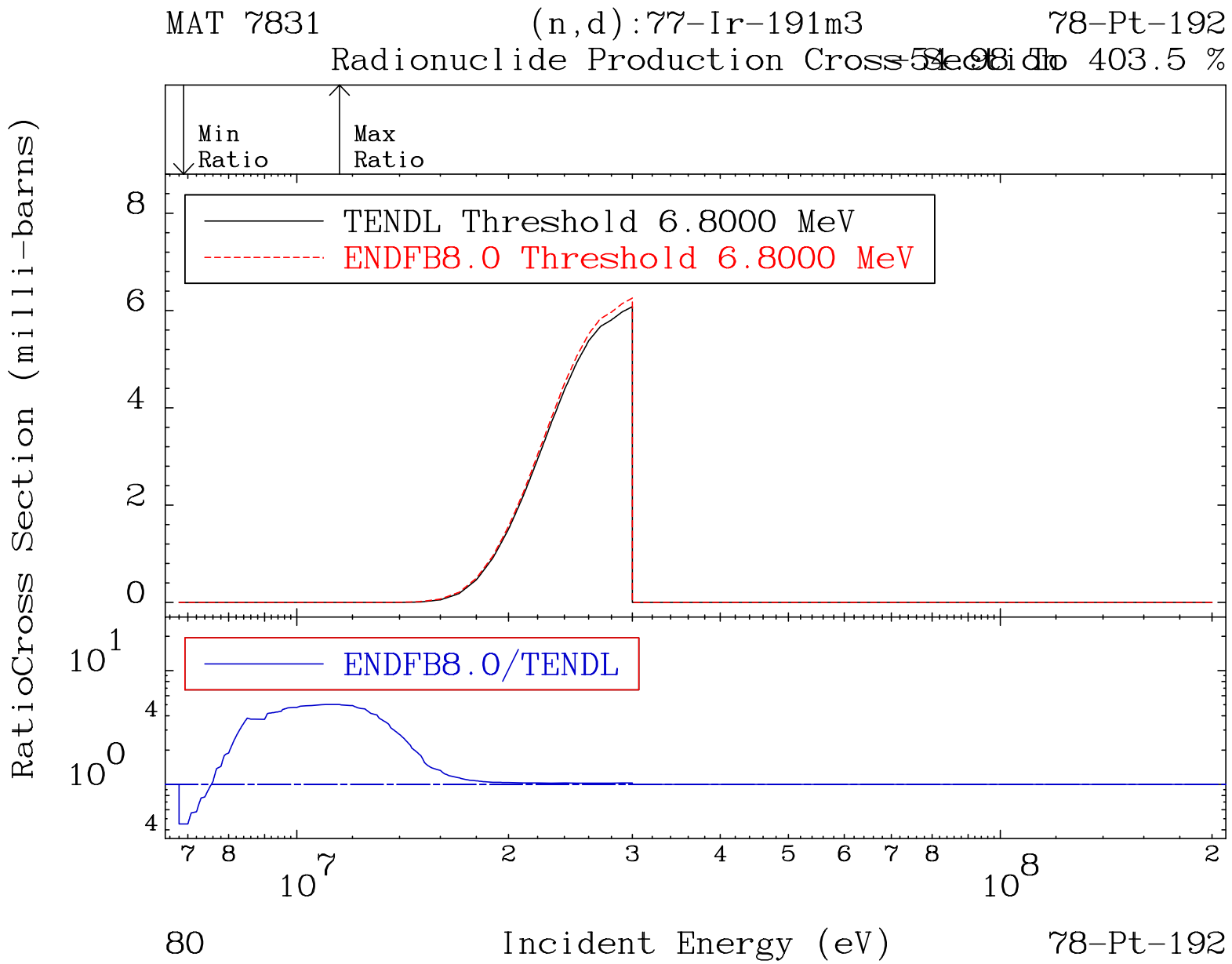

MAT 7831
(n,2n) p:76-Os-190g
78-Pt-192
Radionuclide Production Cross Section To 64.45 %
Min Ratio
Max Ratio
TENDL Threshold 12.223 MeV
ENDFB8.0 Threshold 12.225 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
75
Incident Energy (eV)
78-Pt-192

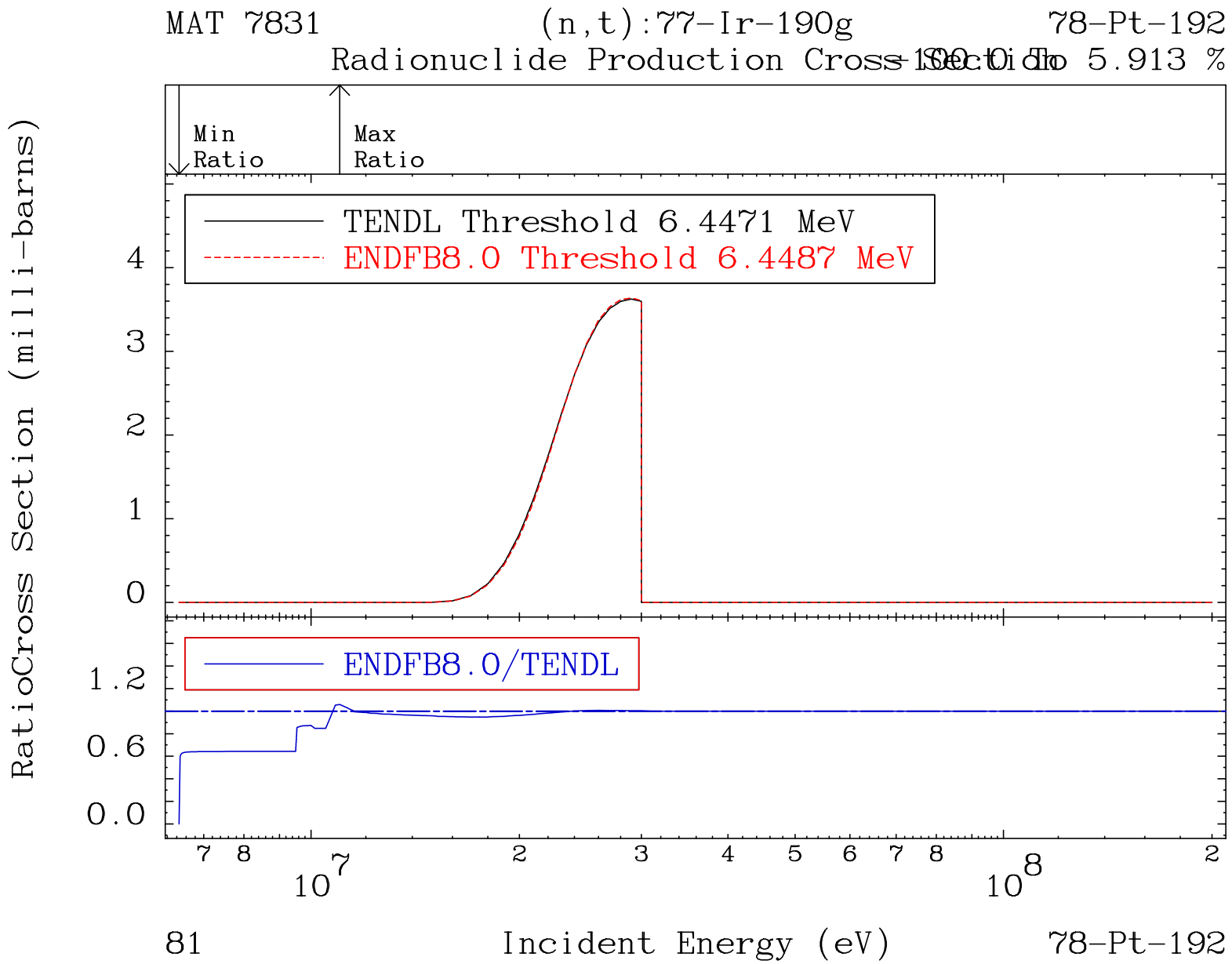

MAT 7831
(n,p):77-Ir-192g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 674.06 keV
ENDFB8.0 Threshold 675.71 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
78-Pt-192

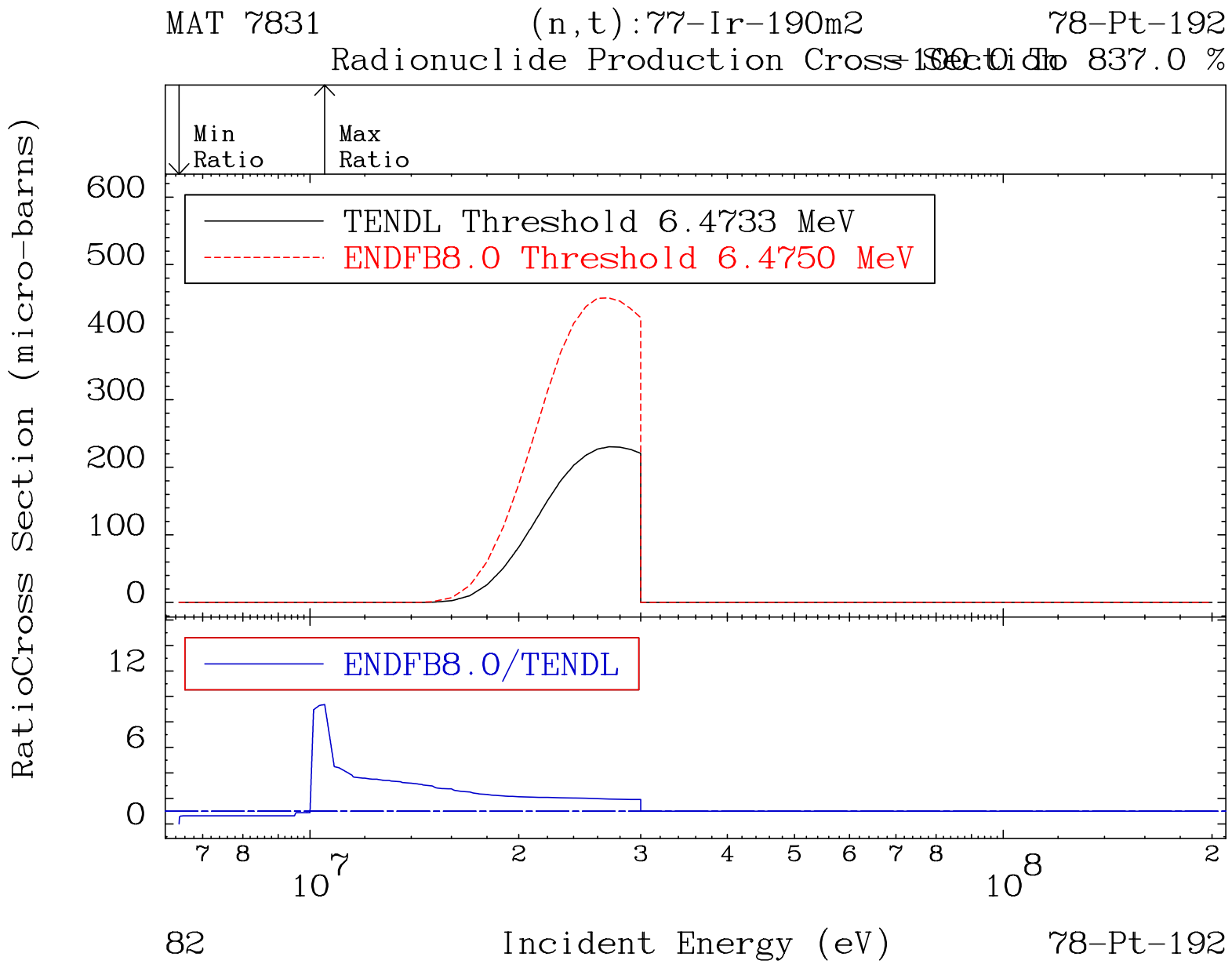

MAT 7831
(n,p):77-Ir-192m3
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 731.08 keV
ENDFB8.0 Threshold 732.73 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
78-Pt-192

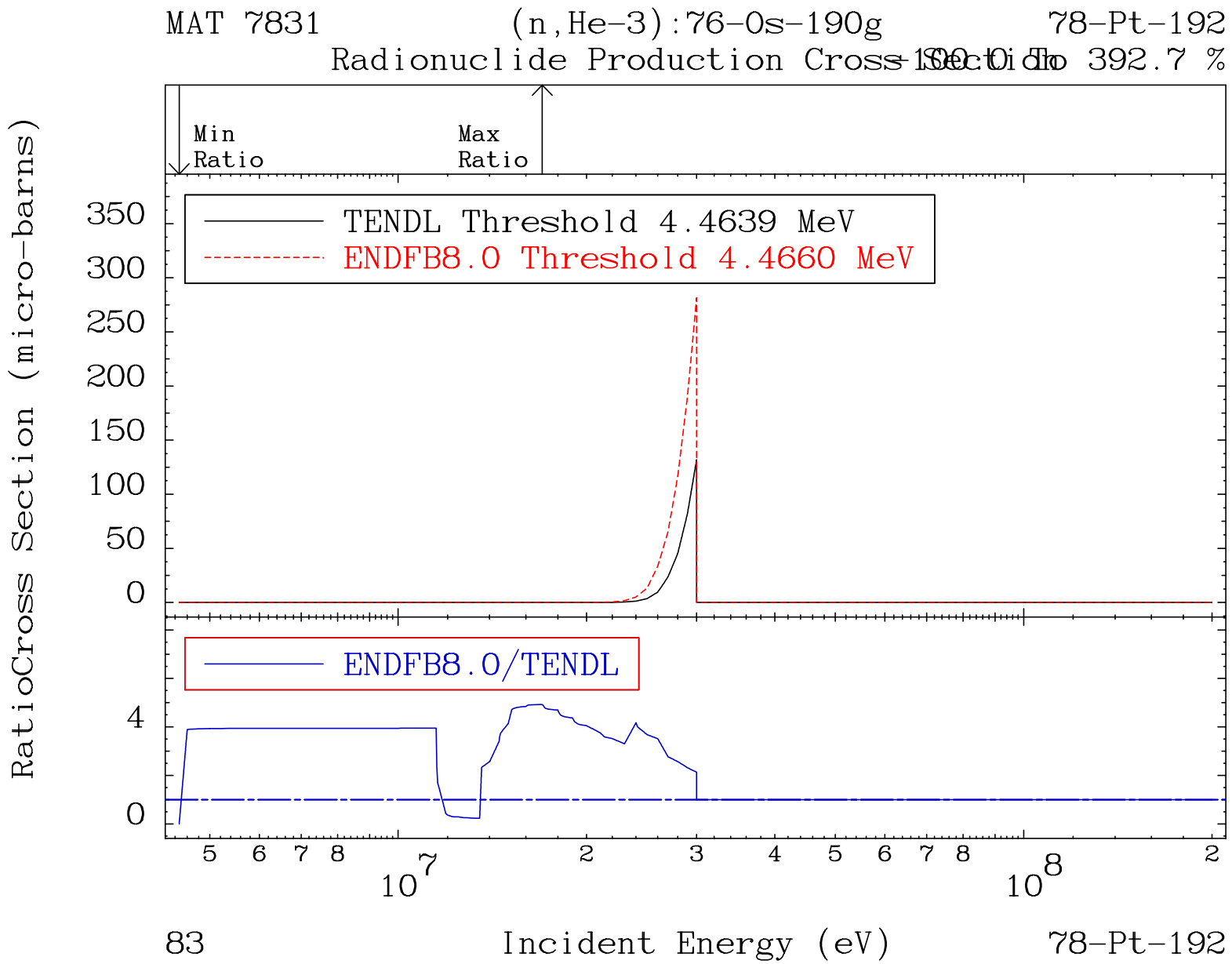

MAT 7831
(n,p):77-Ir-192m15
78-Pt-192
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 2.4000 MeV
ENDFB8.0 Threshold 2.4000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
78-Pt-192

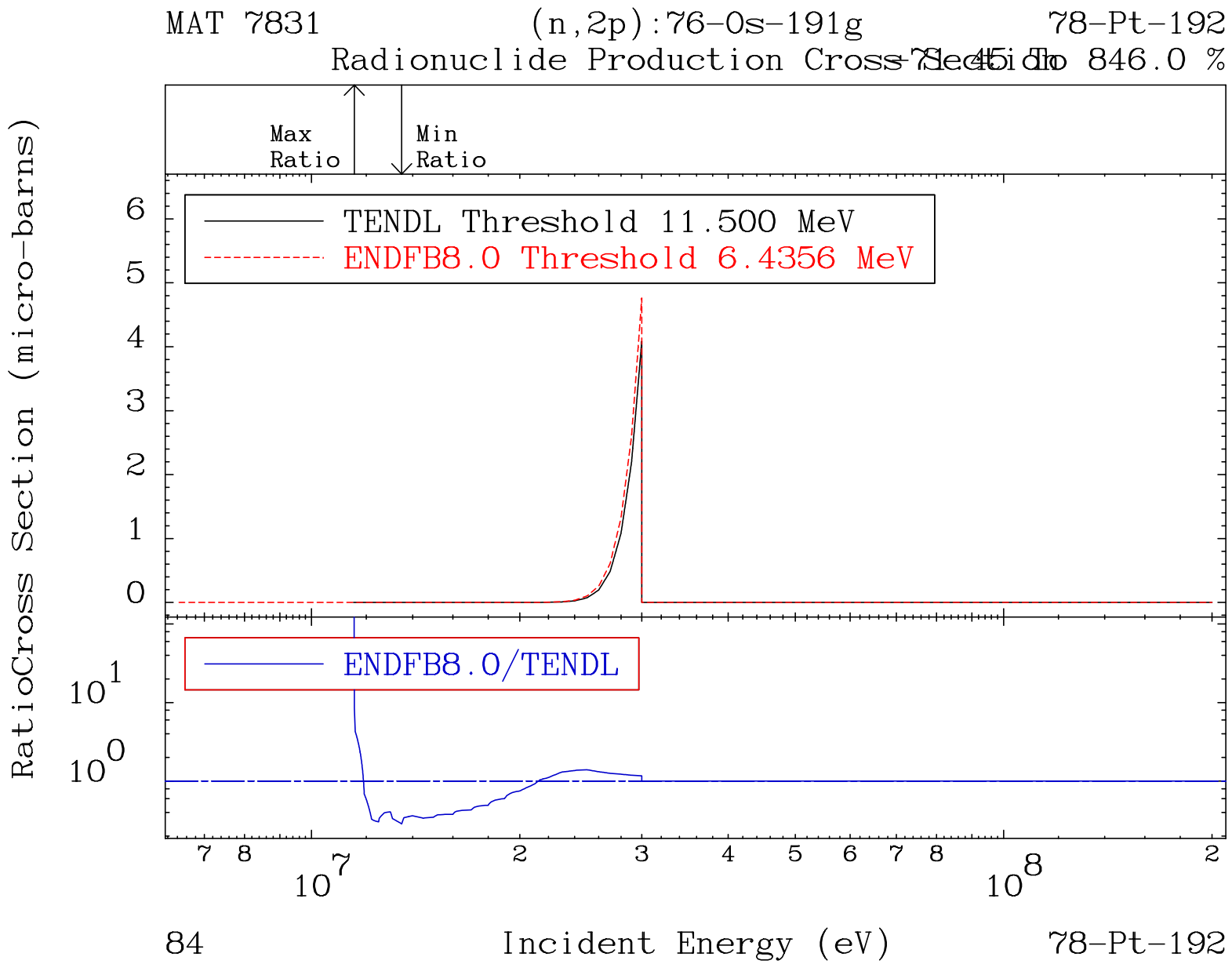

MAT 7831
(n,d):77-Ir-191g
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 4.6685 MeV
ENDFB8.0 Threshold 4.6701 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
78-Pt-192

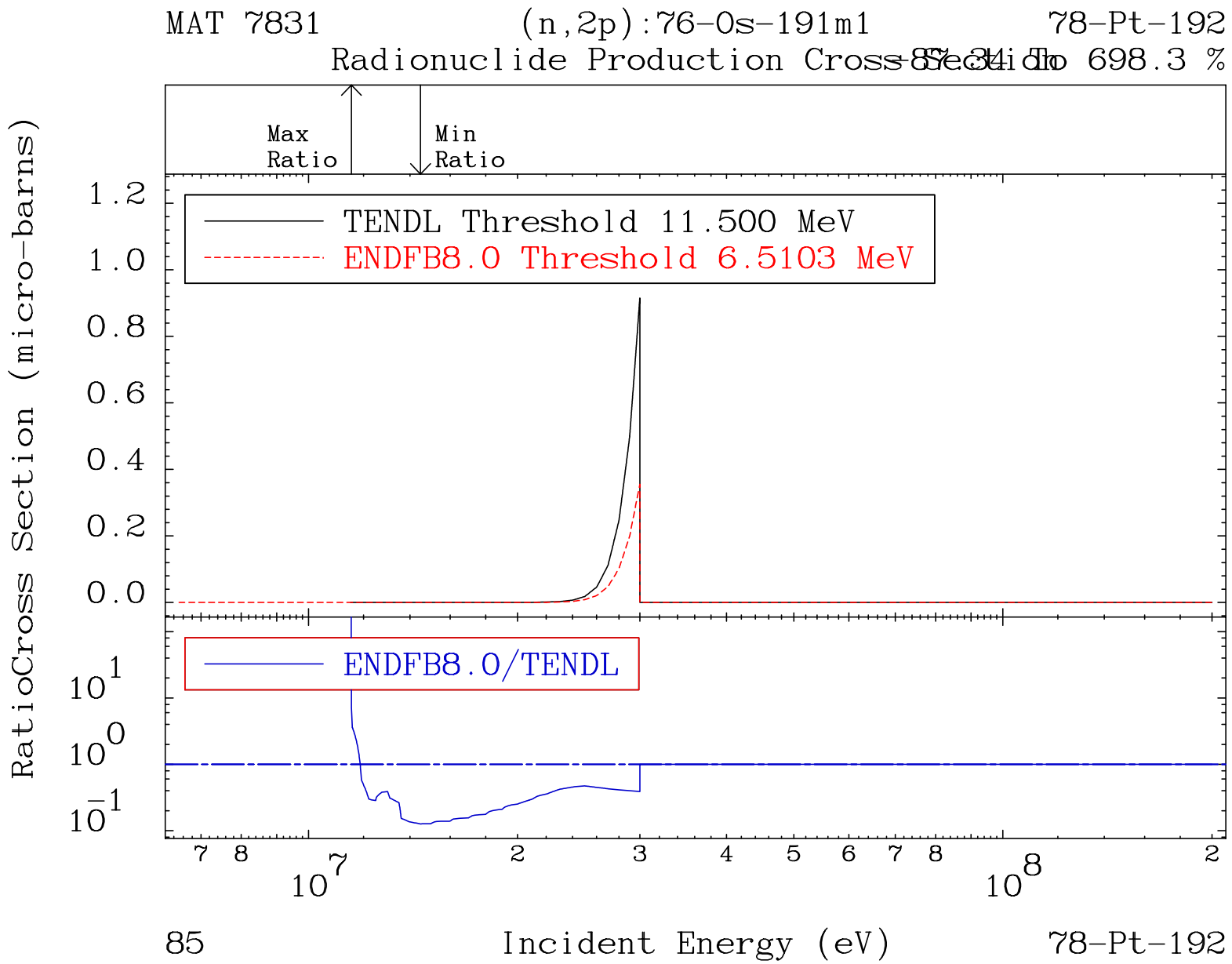

MAT 7831
(n,d):77-Ir-191m3
78-Pt-192
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
ENDFB8.0 Threshold 6.8000 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
78-Pt-192

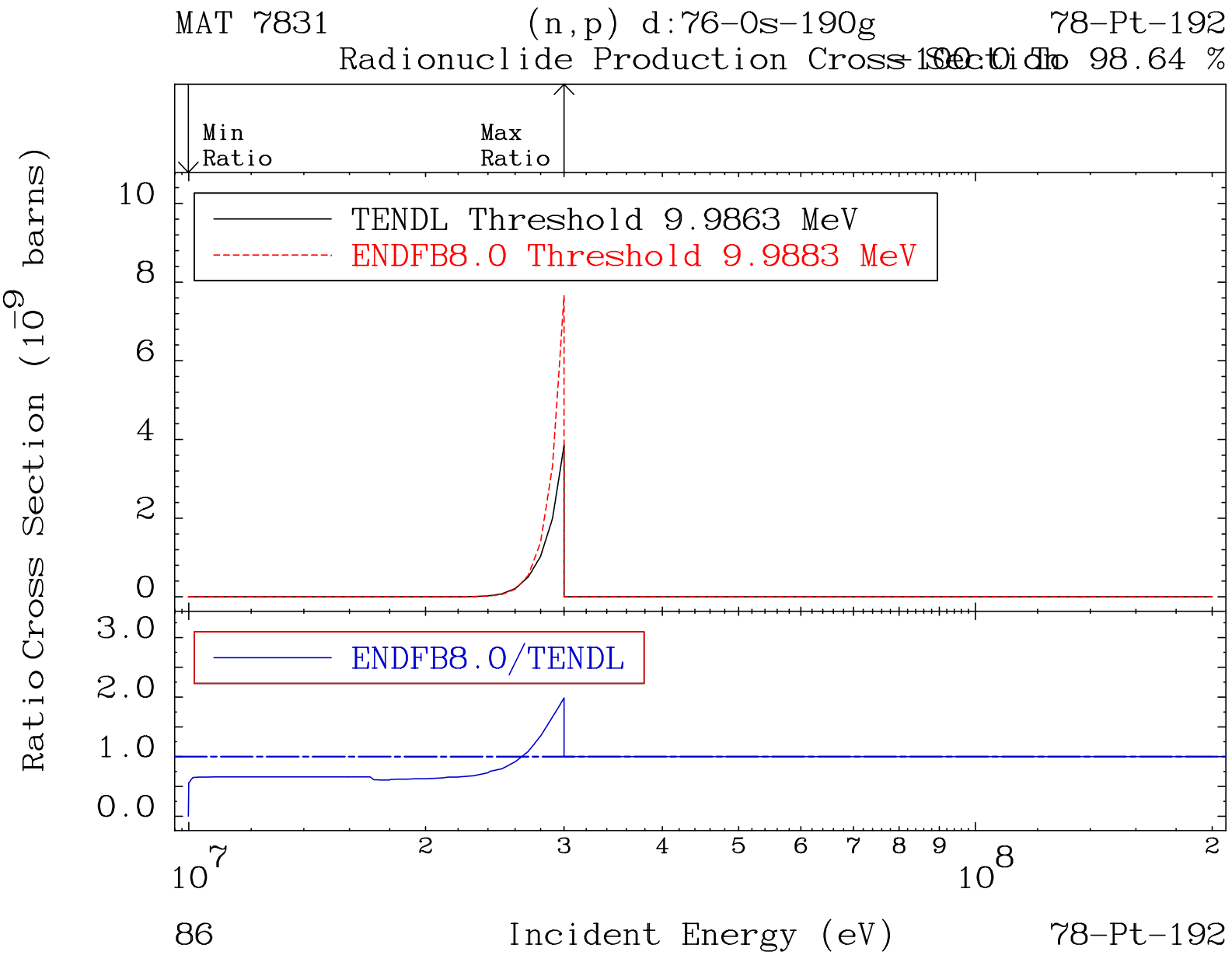

MAT 7831
(n,t):77-Ir-190g
78-Pt-192
Radionuclide Production Cross Section To 5.913 %
Min Ratio
Max Ratio
TENDL Threshold 6.4471 MeV
ENDFB8.0 Threshold 6.4487 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
78-Pt-192

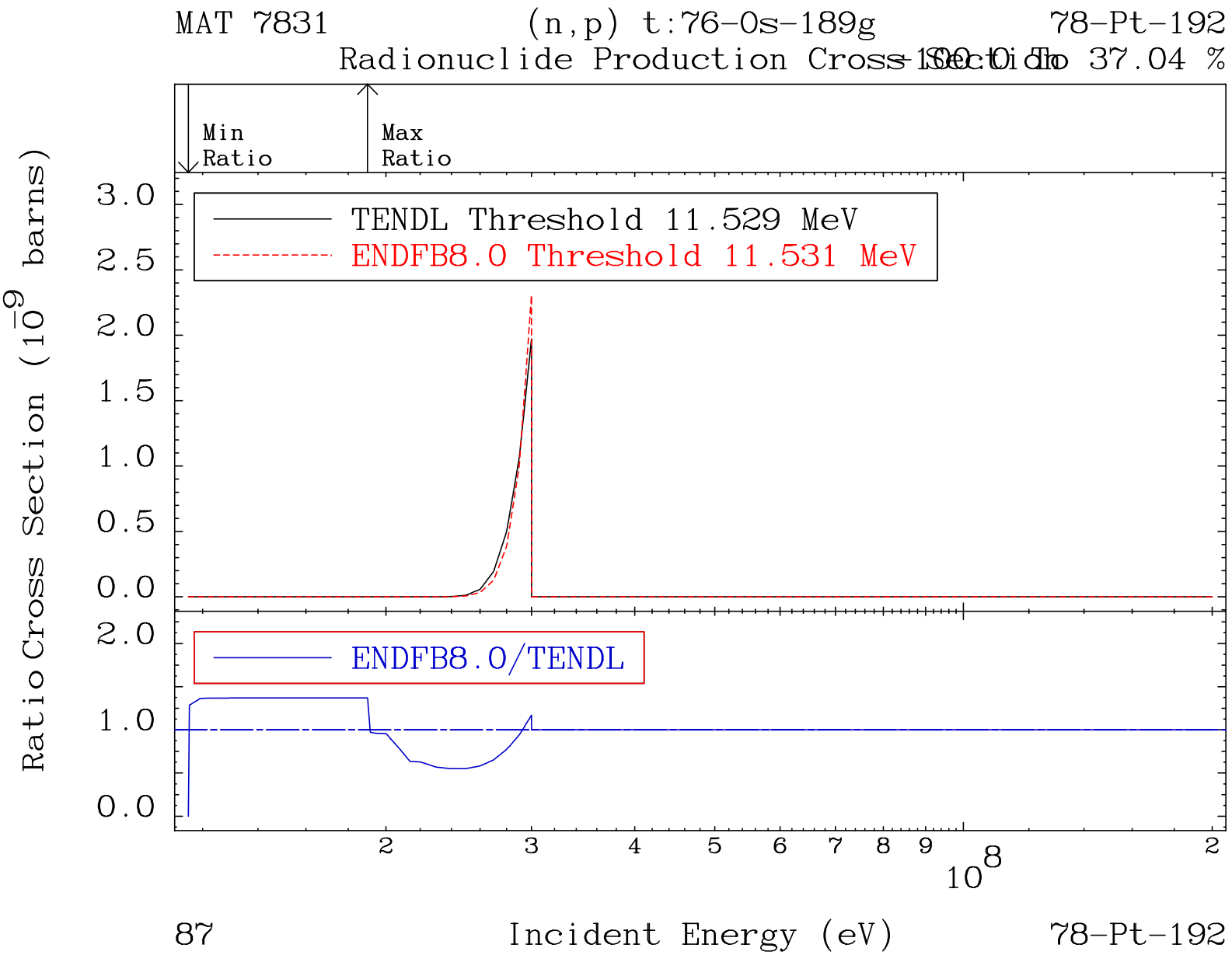

MAT 7831
(n,t):77-Ir-190m2
78-Pt-192
Radionuclide Production Cross Section To 837.0 %
Min Ratio
Max Ratio
TENDL Threshold 6.4733 MeV
ENDFB8.0 Threshold 6.4750 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
12
6
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
82
Incident Energy (eV)
78-Pt-192

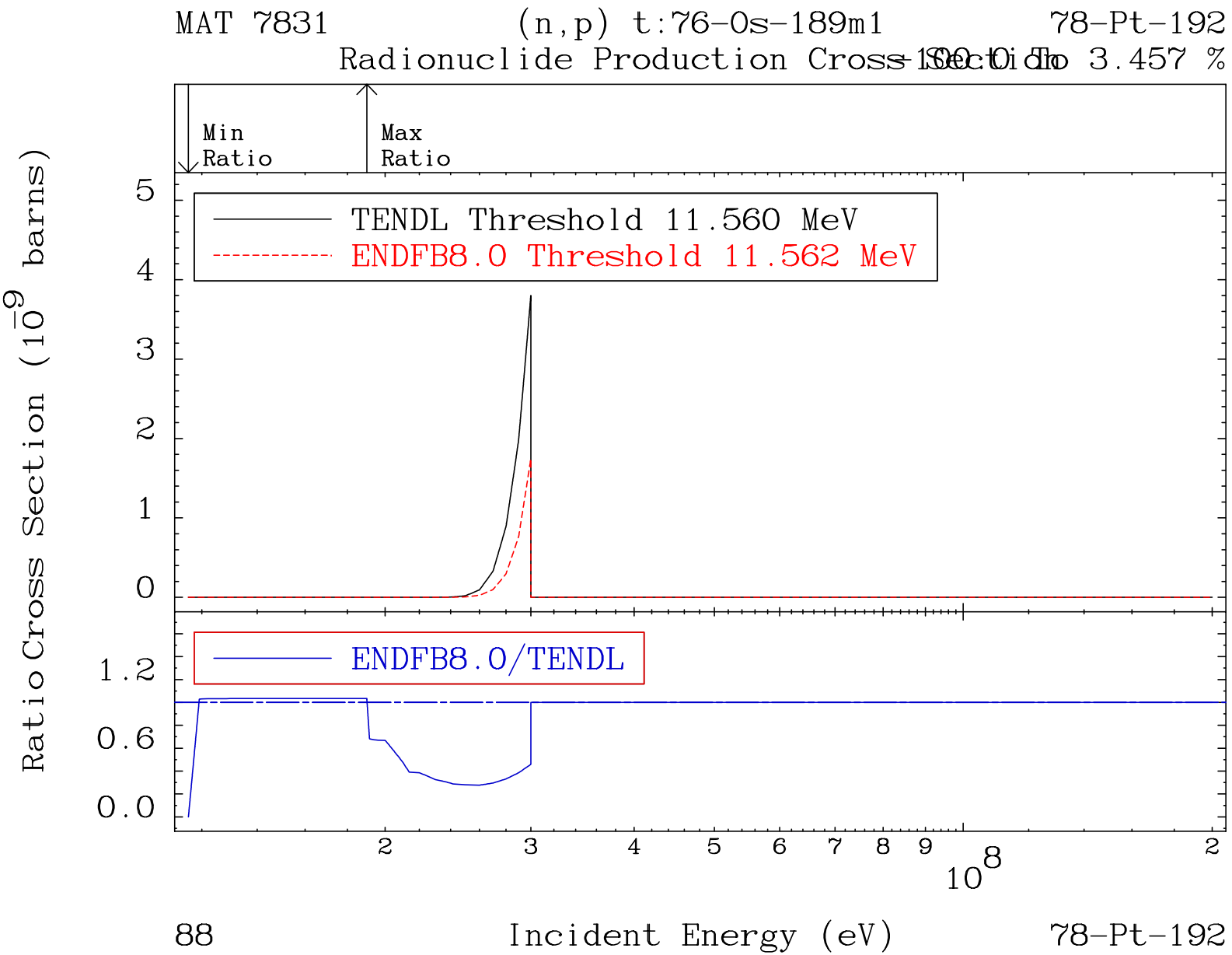

MAT 7831
(n,He-3):76-Os-190g
78-Pt-192
Radionuclide Production Cross Section To 392.7 %
Min Ratio
Max Ratio
TENDL Threshold 4.4639 MeV
ENDFB8.0 Threshold 4.4660 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
83
Incident Energy (eV)
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
ENDFB8.0 Threshold 6.4356 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
84
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
ENDFB8.0 Threshold 6.5103 MeV
ENDFB8.0/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
85
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
ENDFB8.0 Threshold 9.9883 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
86
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
ENDFB8.0 Threshold 11.531 MeV
ENDFB8.0/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
87
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
ENDFB8.0 Threshold 11.562 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
88
78-Pt-192