

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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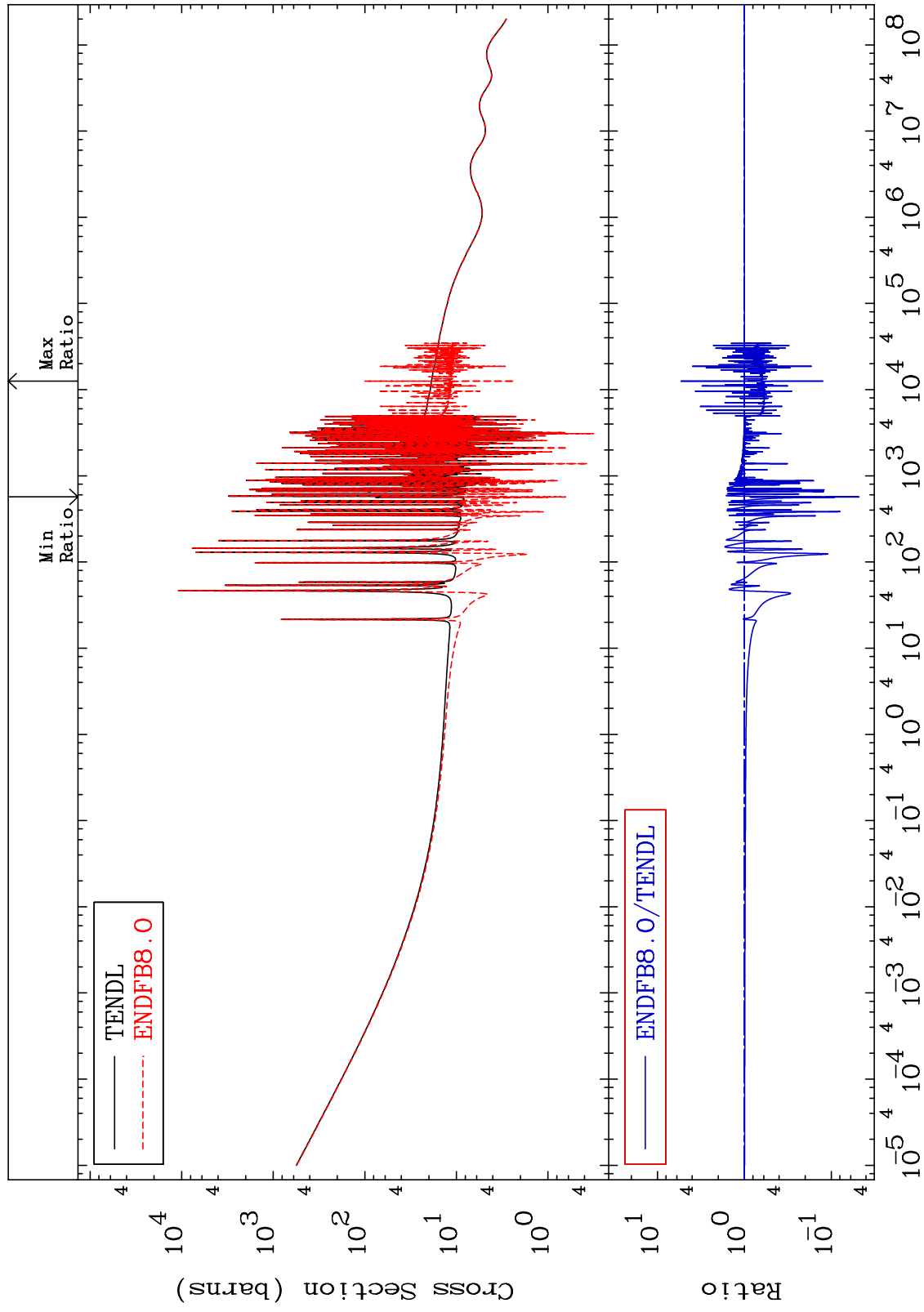
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7831 78-Pt-192 -95.20 To 438.7 % Total Cross Section



78-Pt-192

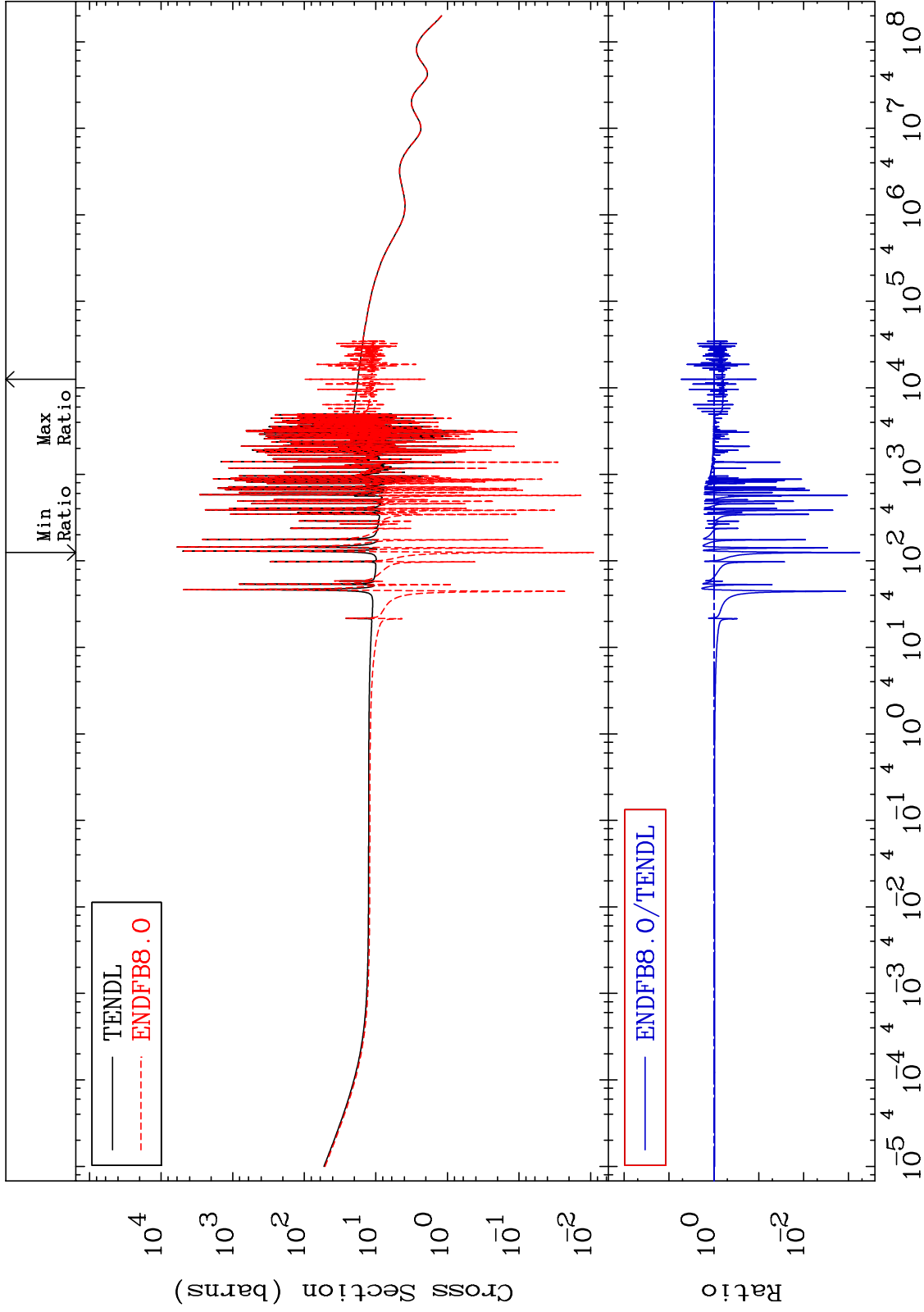
Incident Energy (eV)

1

MAT 7831

Elastic
Cross Section

78-Pt-192
-99.94 To 445.3 %

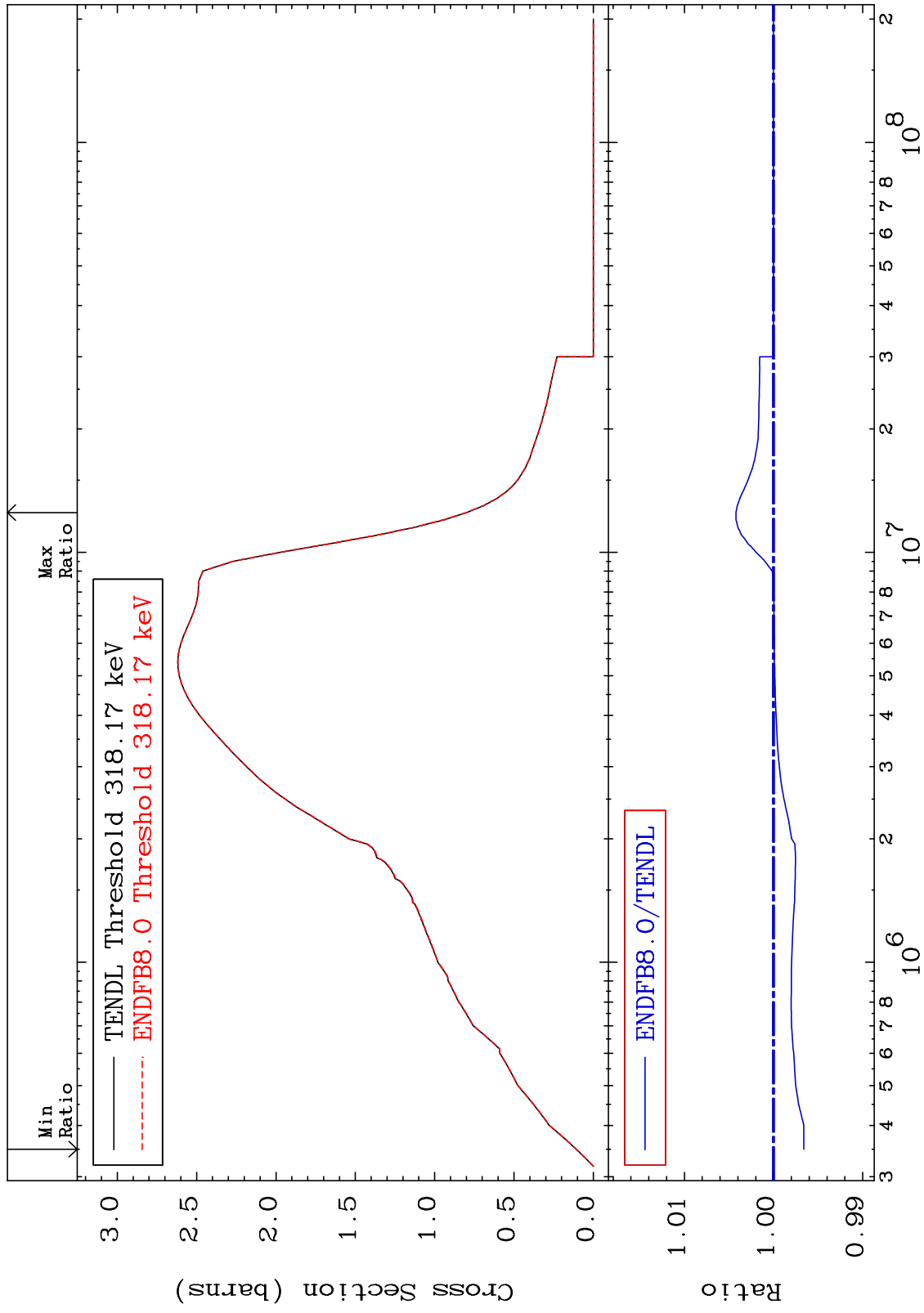


2

Incident Energy (eV)

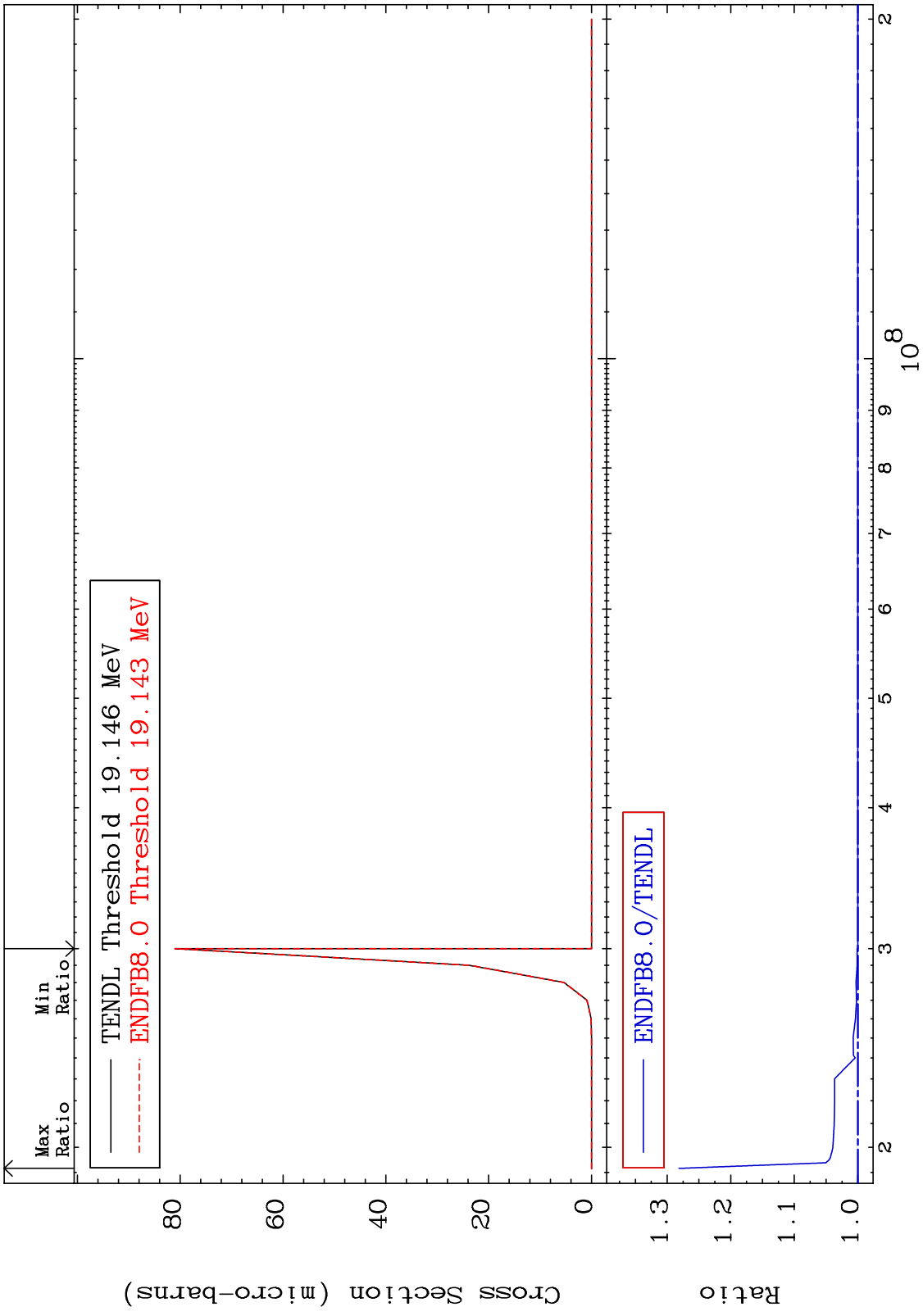
78-Pt-192

MAT 7831 Inelastic Cross Section 78-Pt-192 -0.339 To 0.423 %



3 Incident Energy (eV) 78-Pt-192

MAT 7831 (n,2n) d 78-Pt-192
 Cross Section 0.000 To 28.13 %



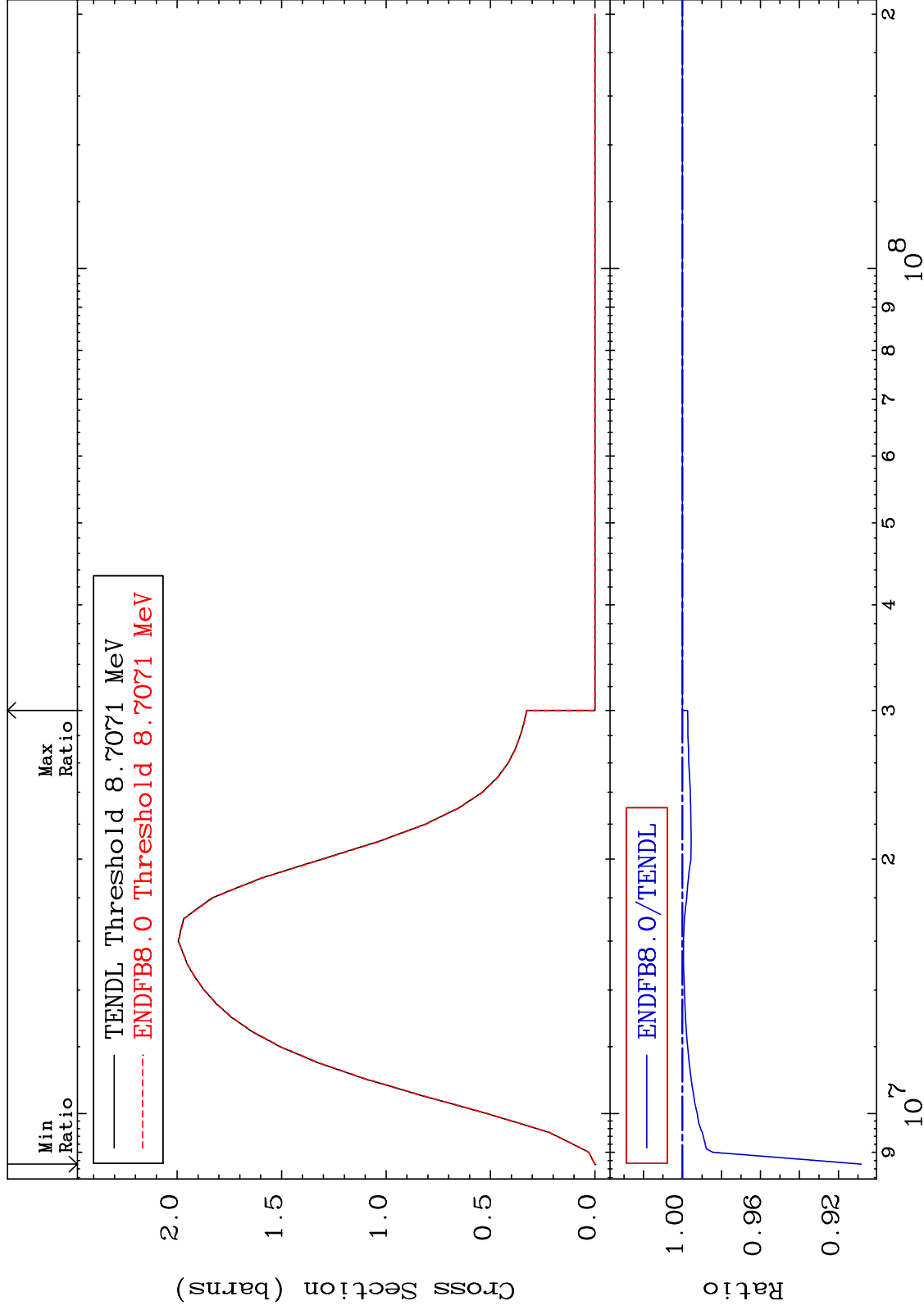
MAT 7831

(n,2n)

78-Pt-192

-9.170 To 0.000 %

Cross Section

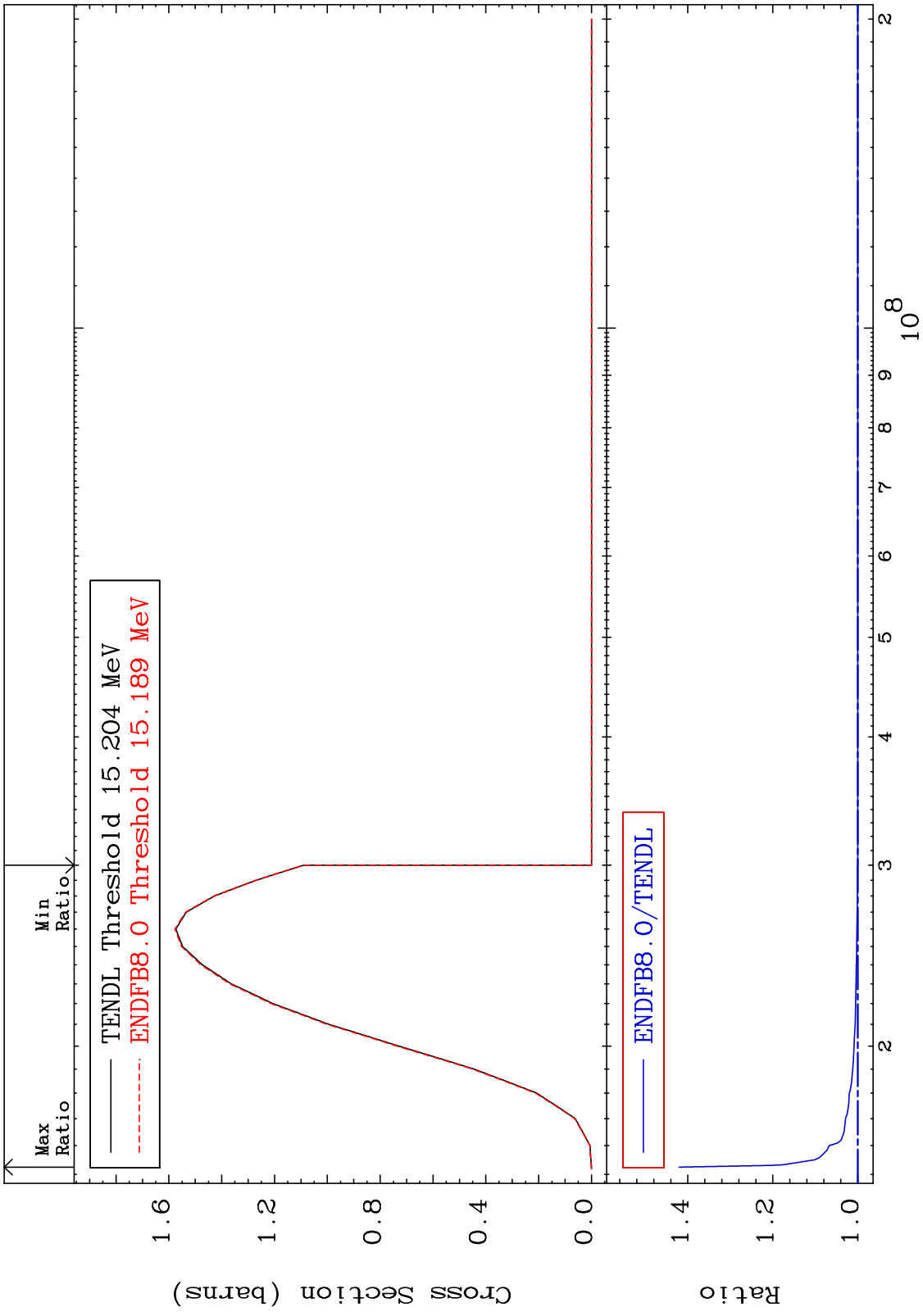


5

Incident Energy (eV)

78-Pt-192

MAT 7831 (n,3n) Cross Section 78-Pt-192 To 42.06 %



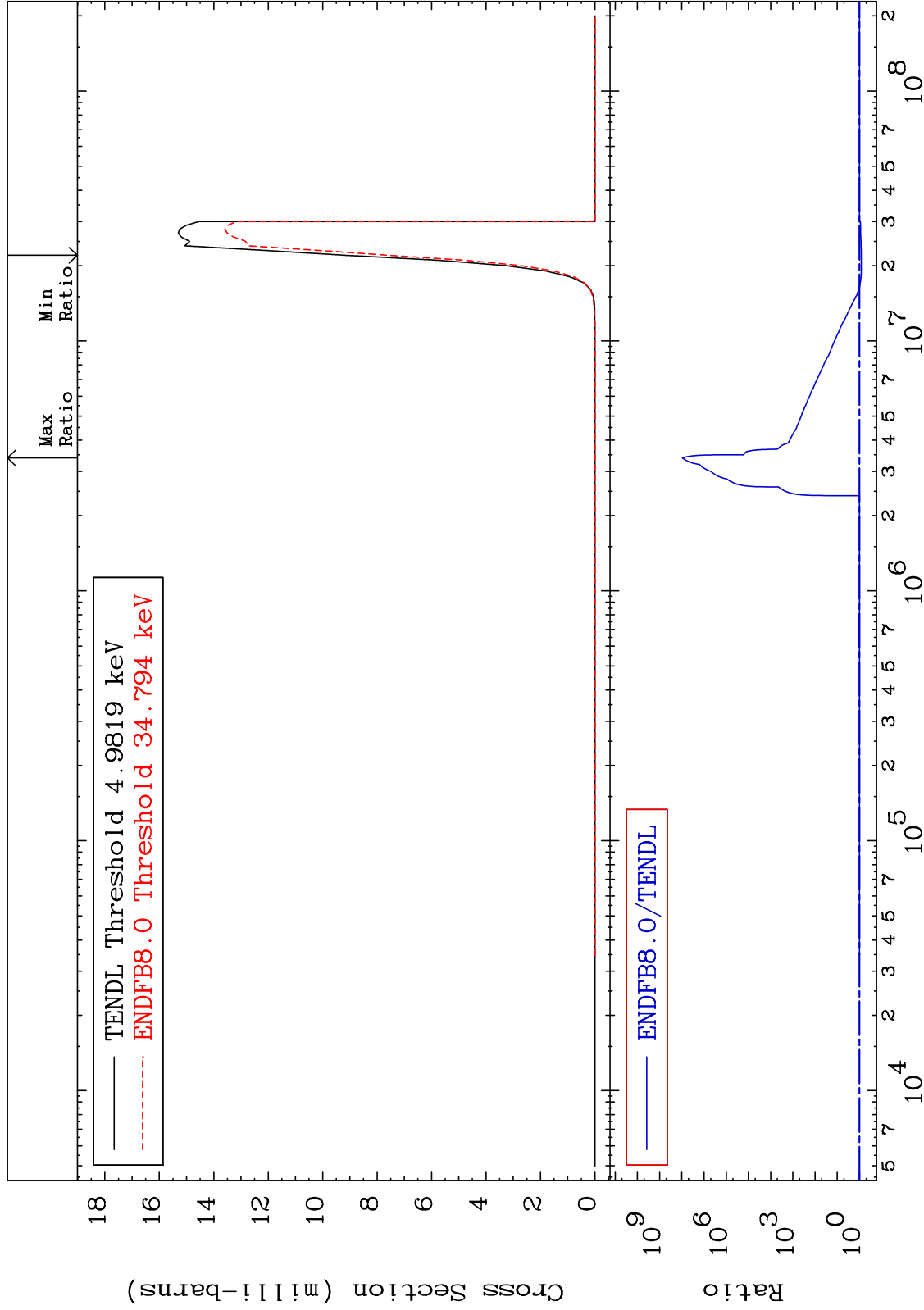
MAT 7831

(n, n') α

78-Pt-192

-17.03 To 9999. %

Cross Section

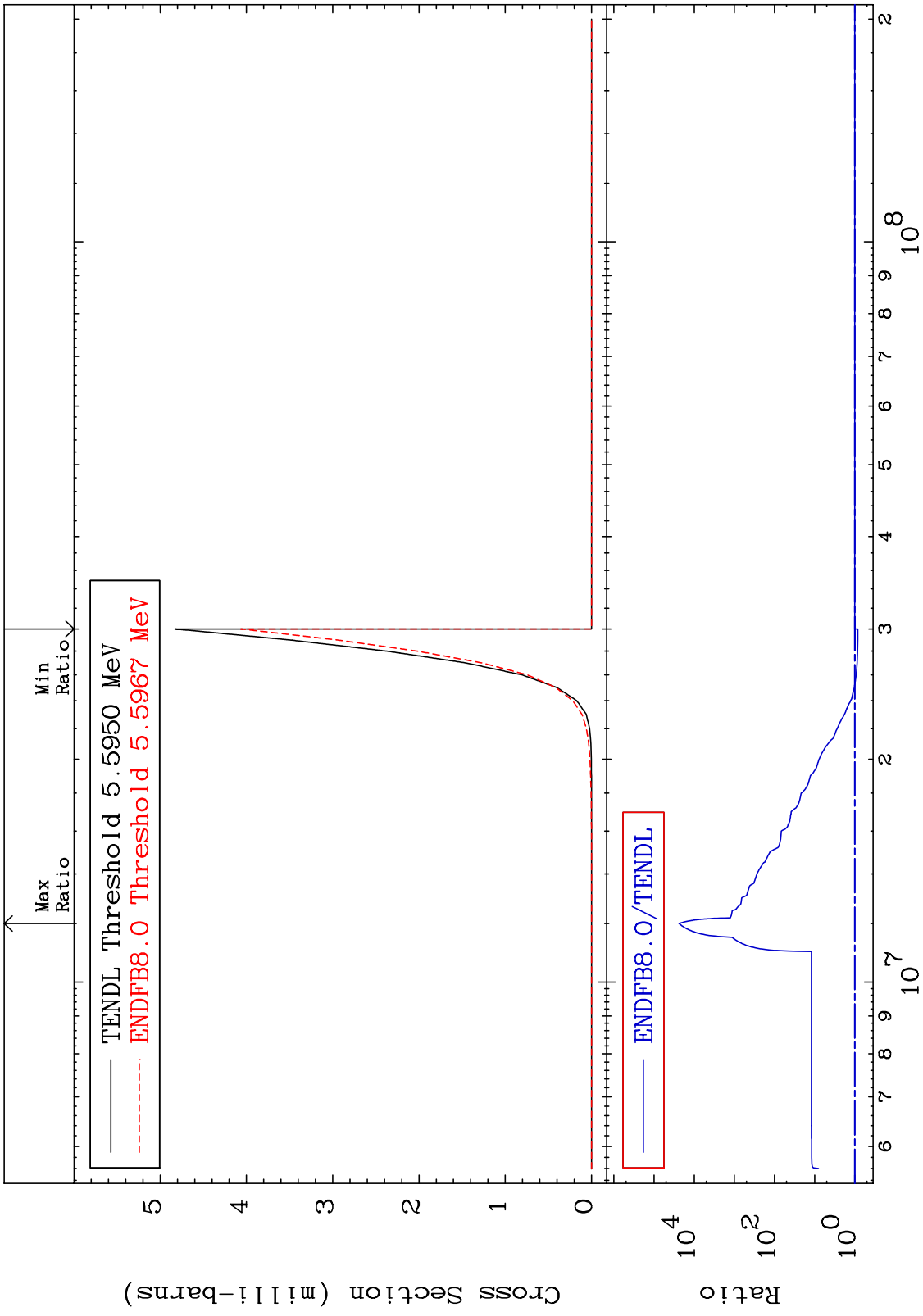


7

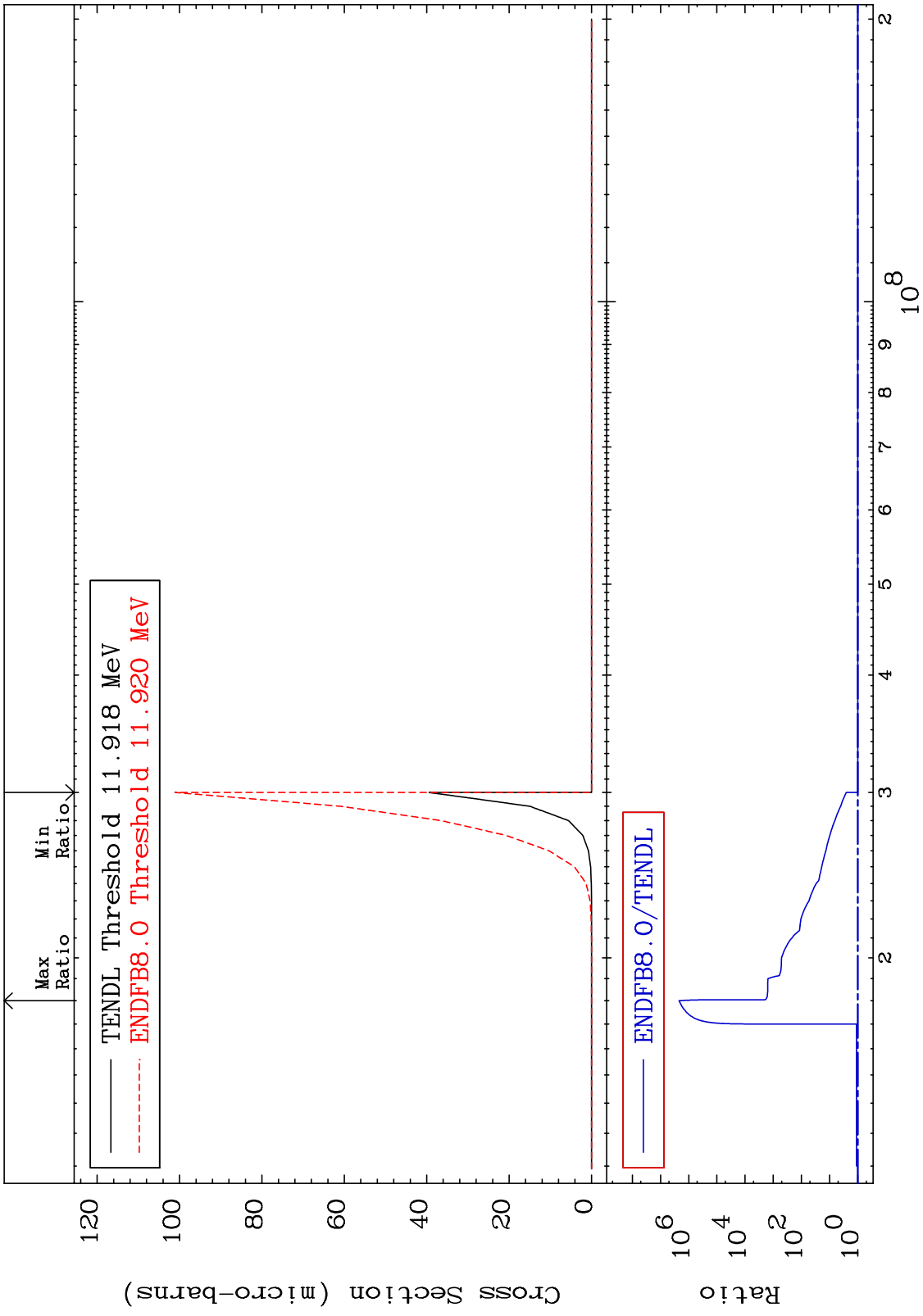
Incident Energy (eV)

78-Pt-192

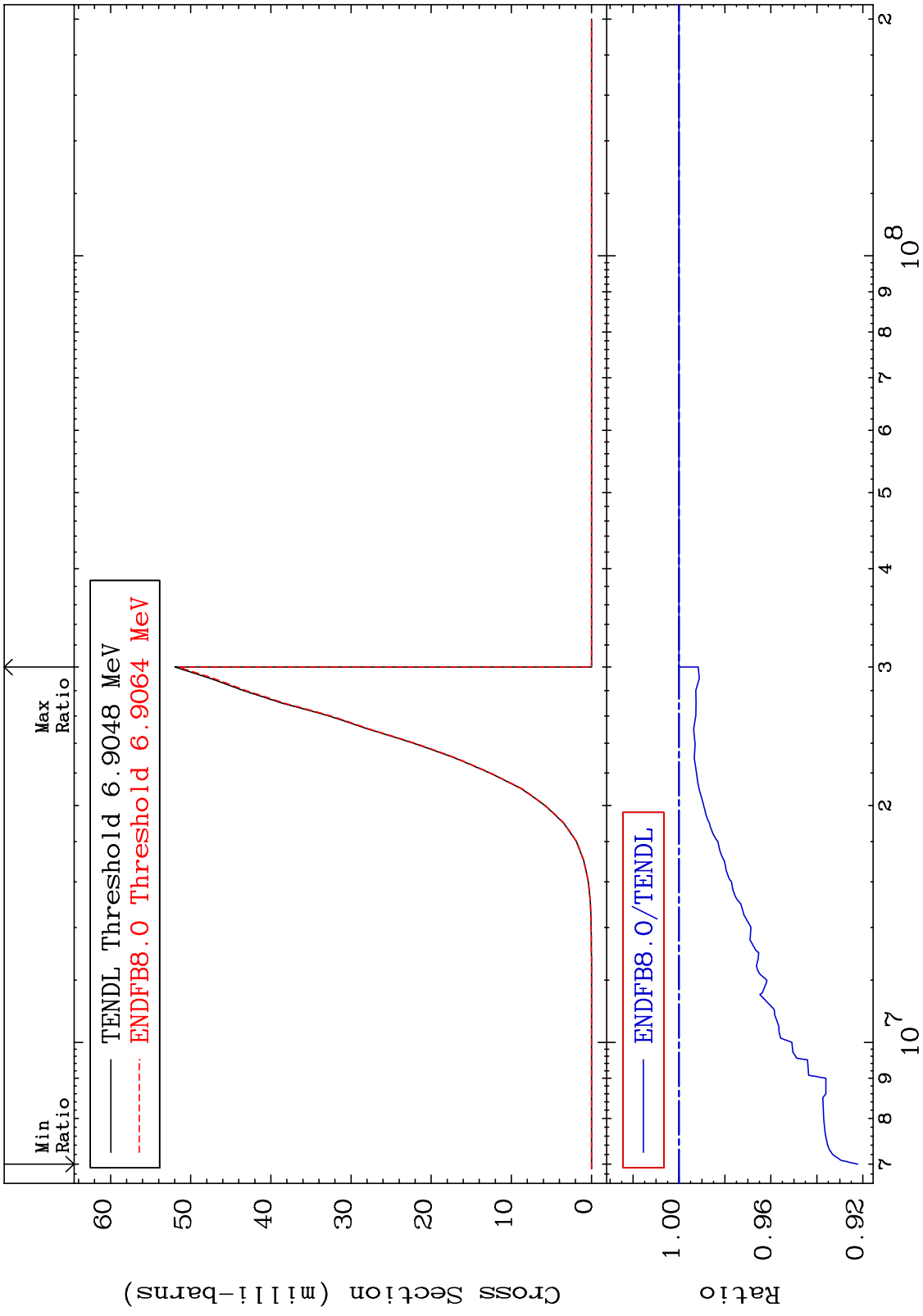
MAT 7831 (n,2n) α 78-Pt-192
 Cross Section -15.81 To 9999. %



MAT 7831 (n,3n) α 78-Pt-192
 Cross Section 0.000 To 9999. %

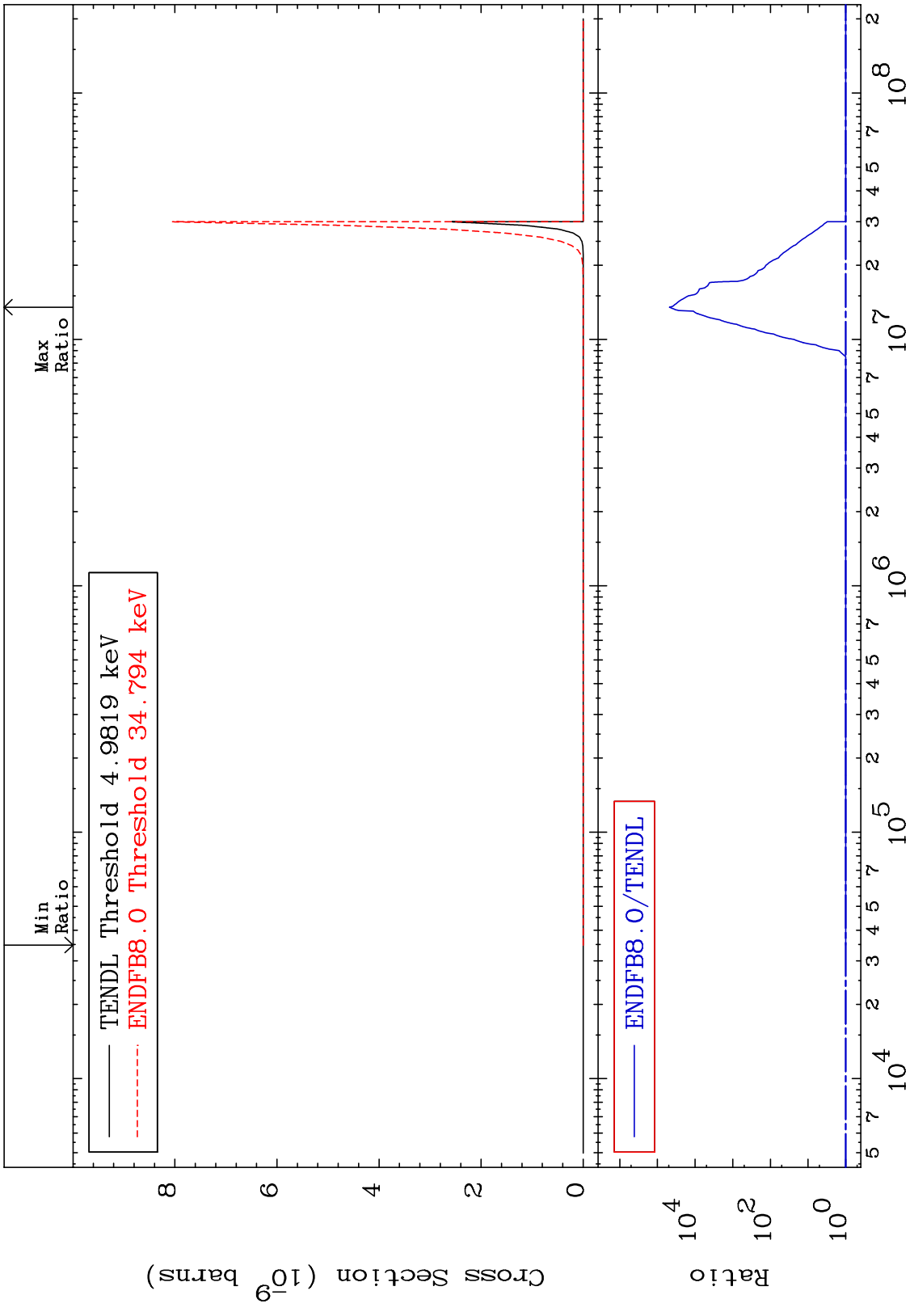


MAT 7831 78-Pt-192
-7.786 To 0.000 %
 (n,n') p
 Cross Section

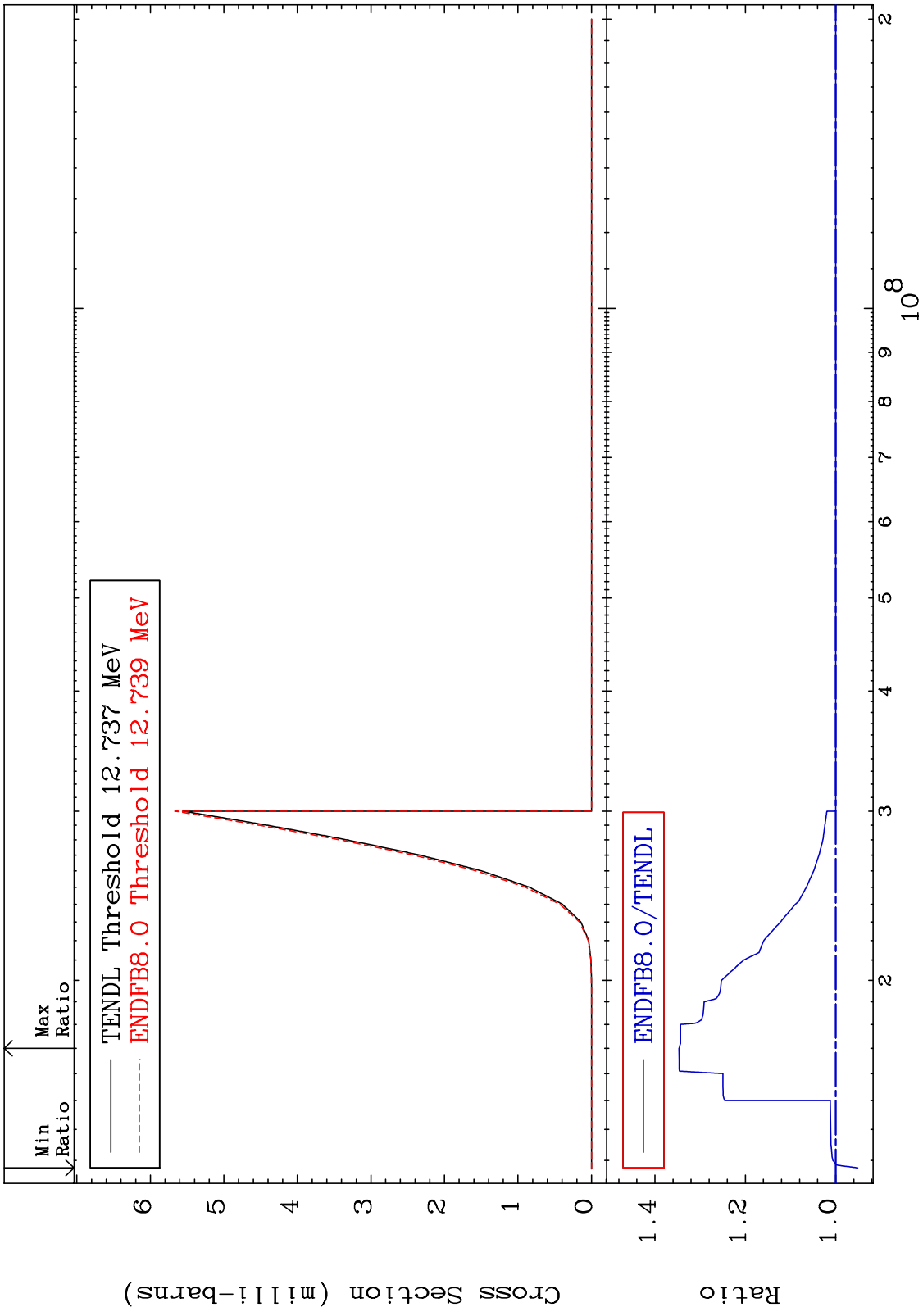


10 78-Pt-192

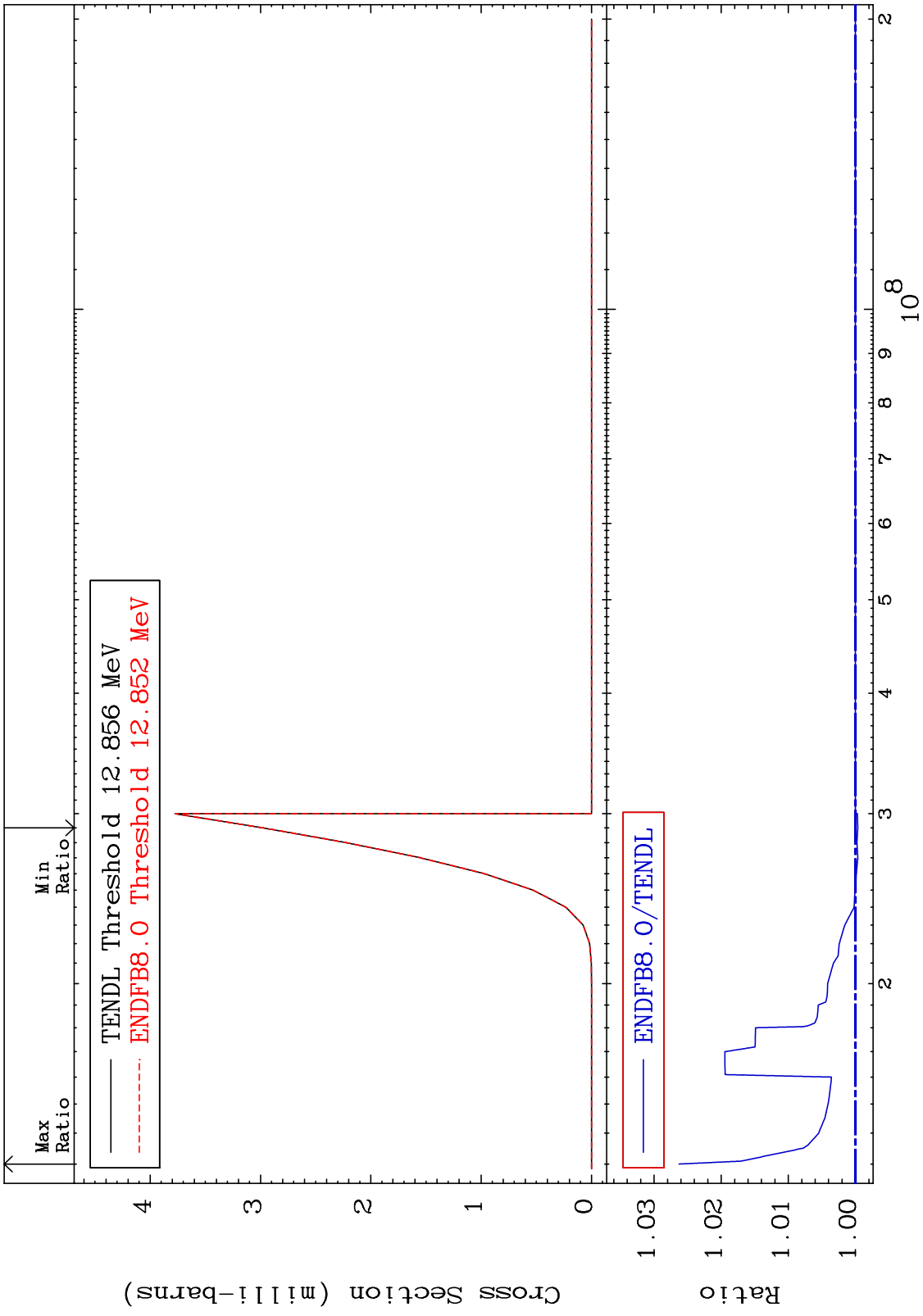
MAT 7831 (n,n') 2α Cross Section 78-Pt-192 To 9999. %



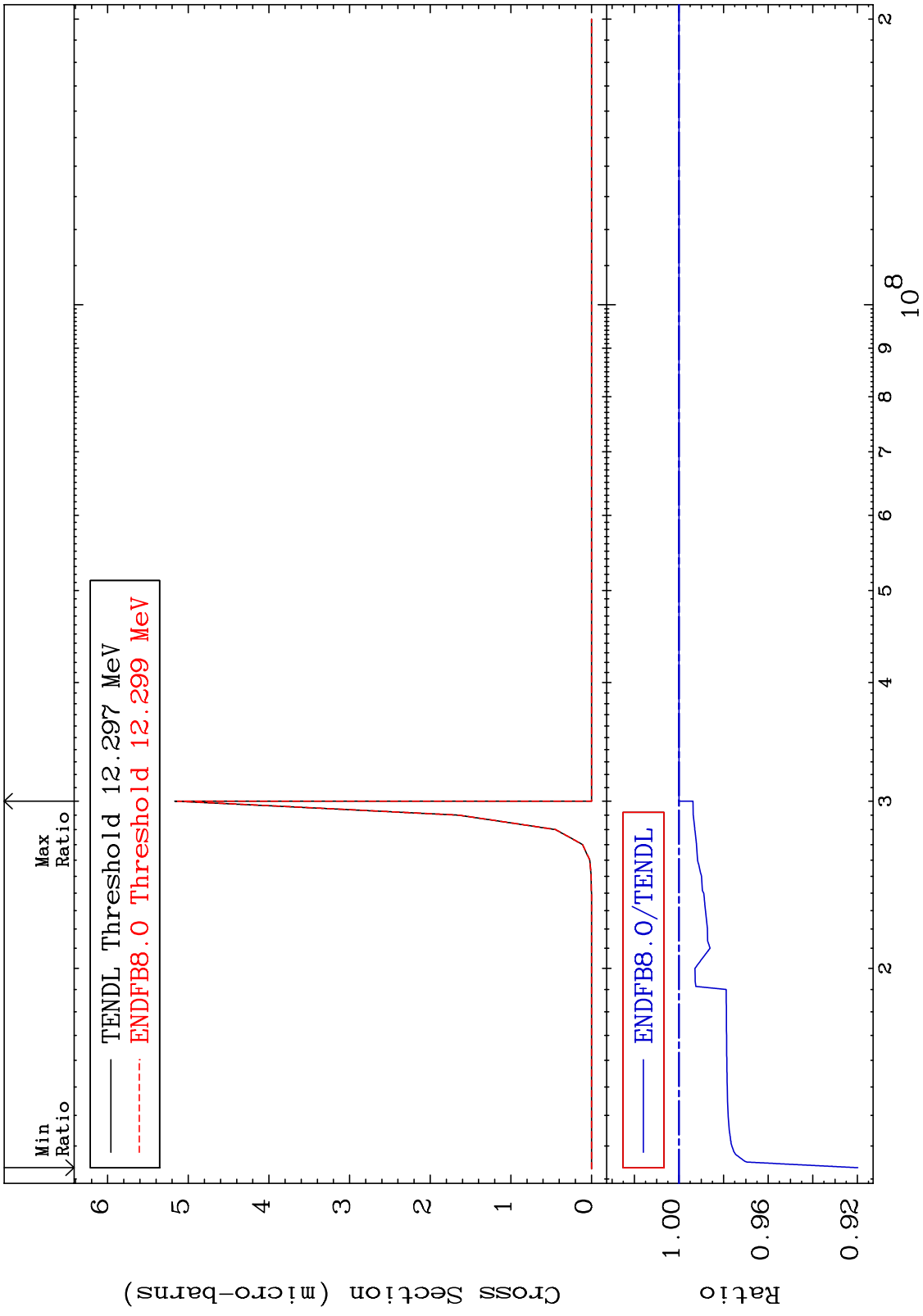
MAT 7831 (n,n') d 78-Pt-192
 Cross Section -4.894 To 34.67 %

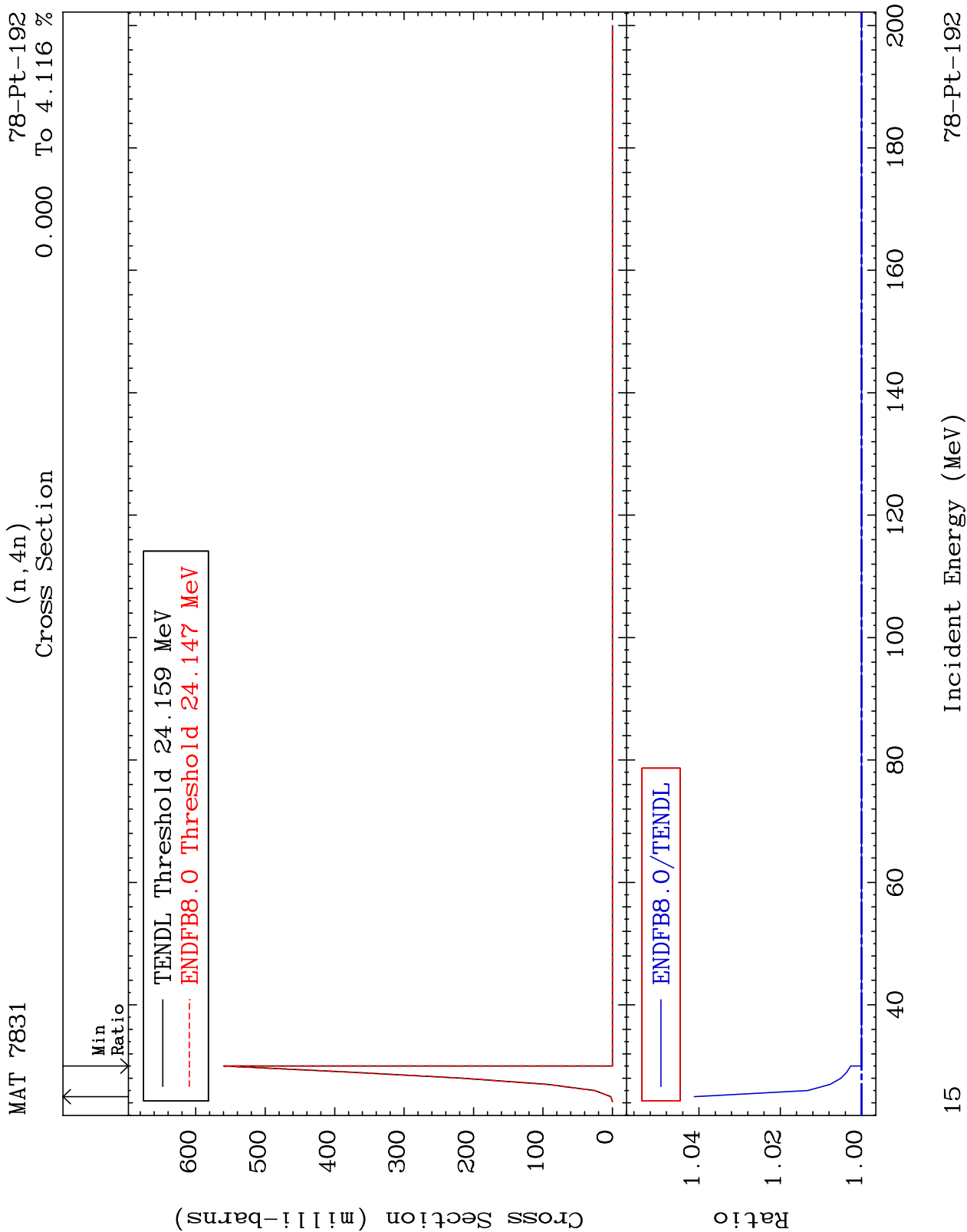


MAT 7831 (n,n') t 78-Pt-192
 Cross Section -0.036 To 2.628 %

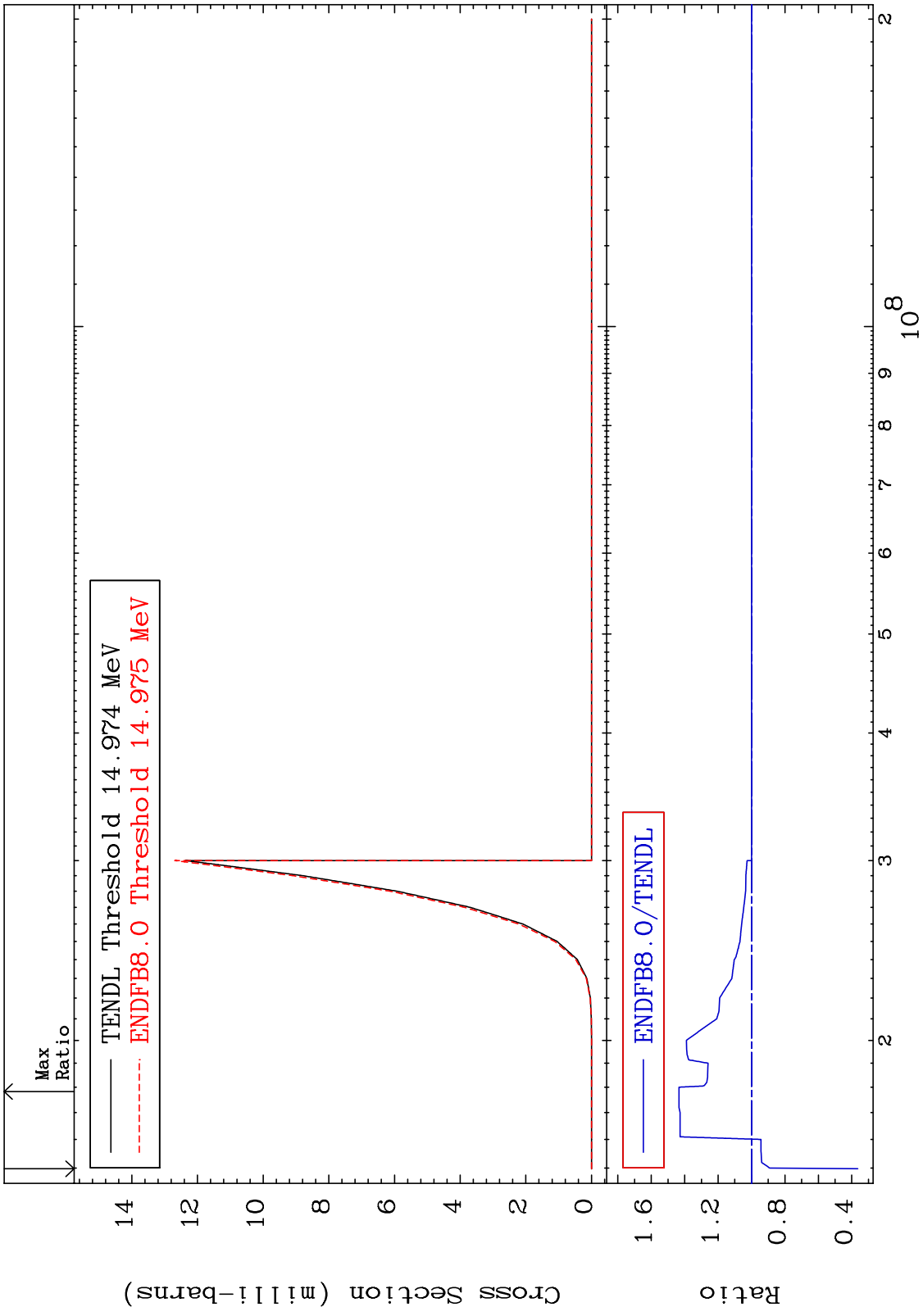


MAT 7831 (n, n') He-3 78-Pt-192
 Cross Section -8.023 To 0.000 %

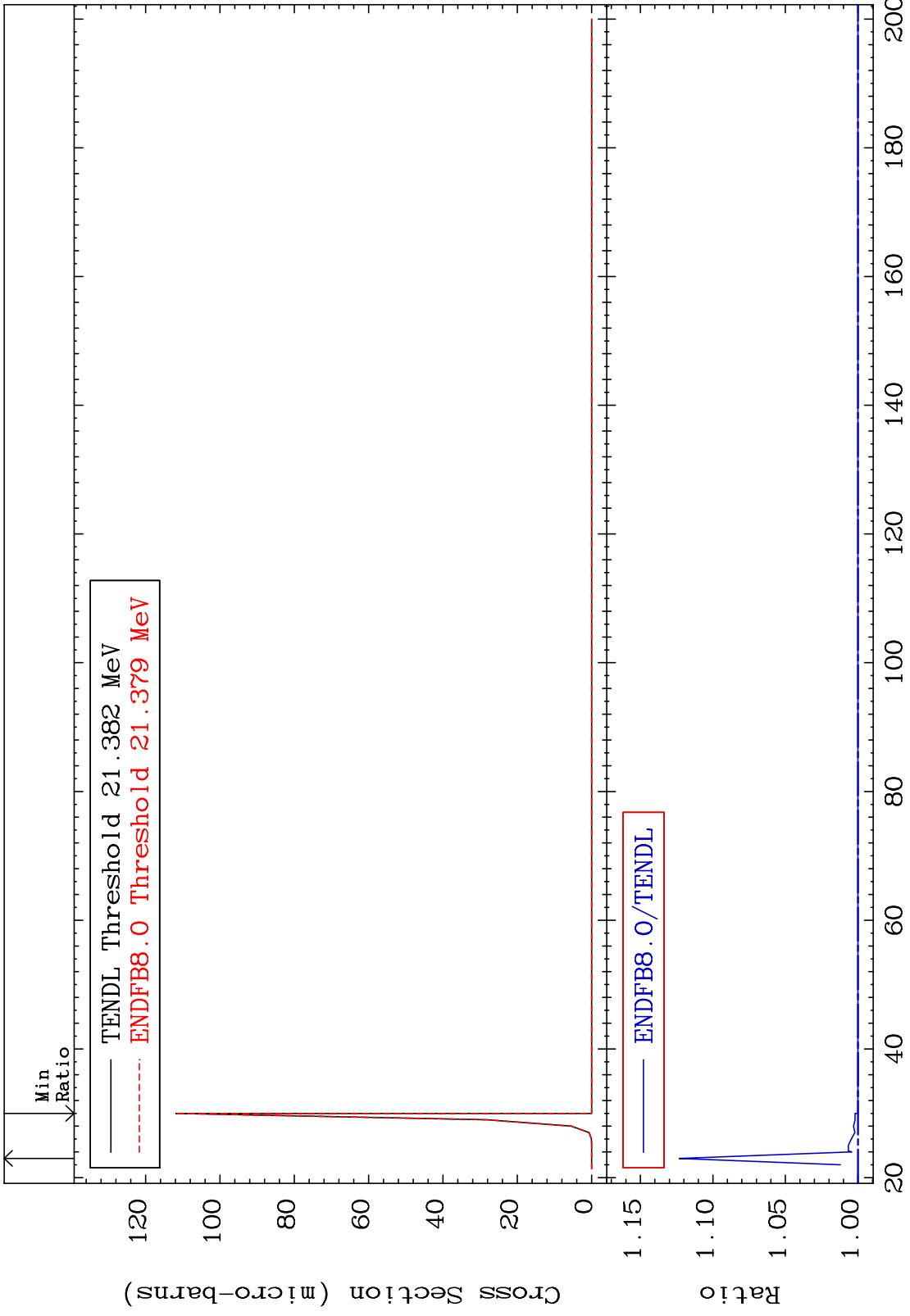




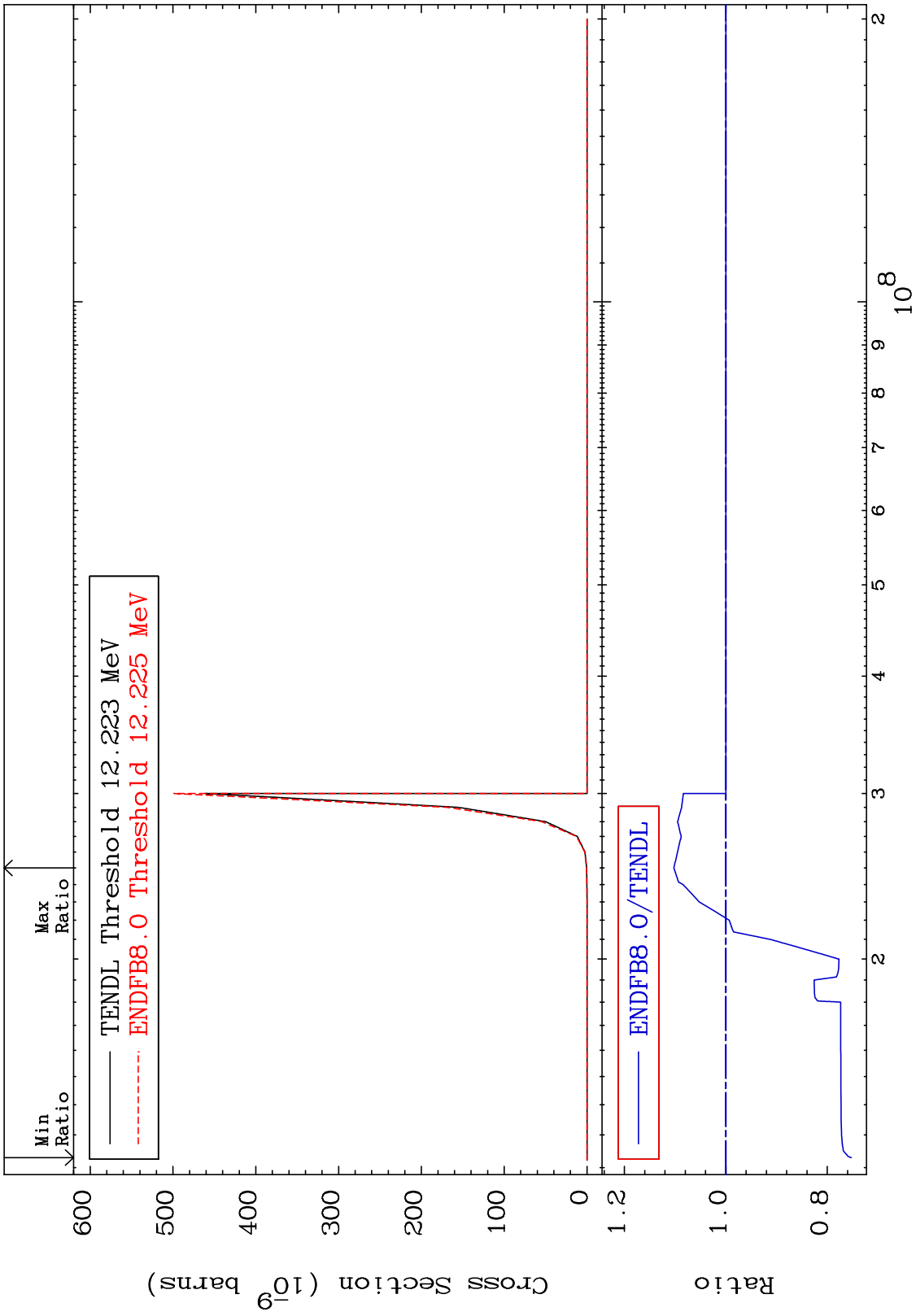
MAT 7831 (n,2n) p 78-Pt-192
 Cross Section -63.63 To 43.37 %



MAT 7831 (n,3n) p 78-Pt-192
Cross Section 0.000 To 12.33 %



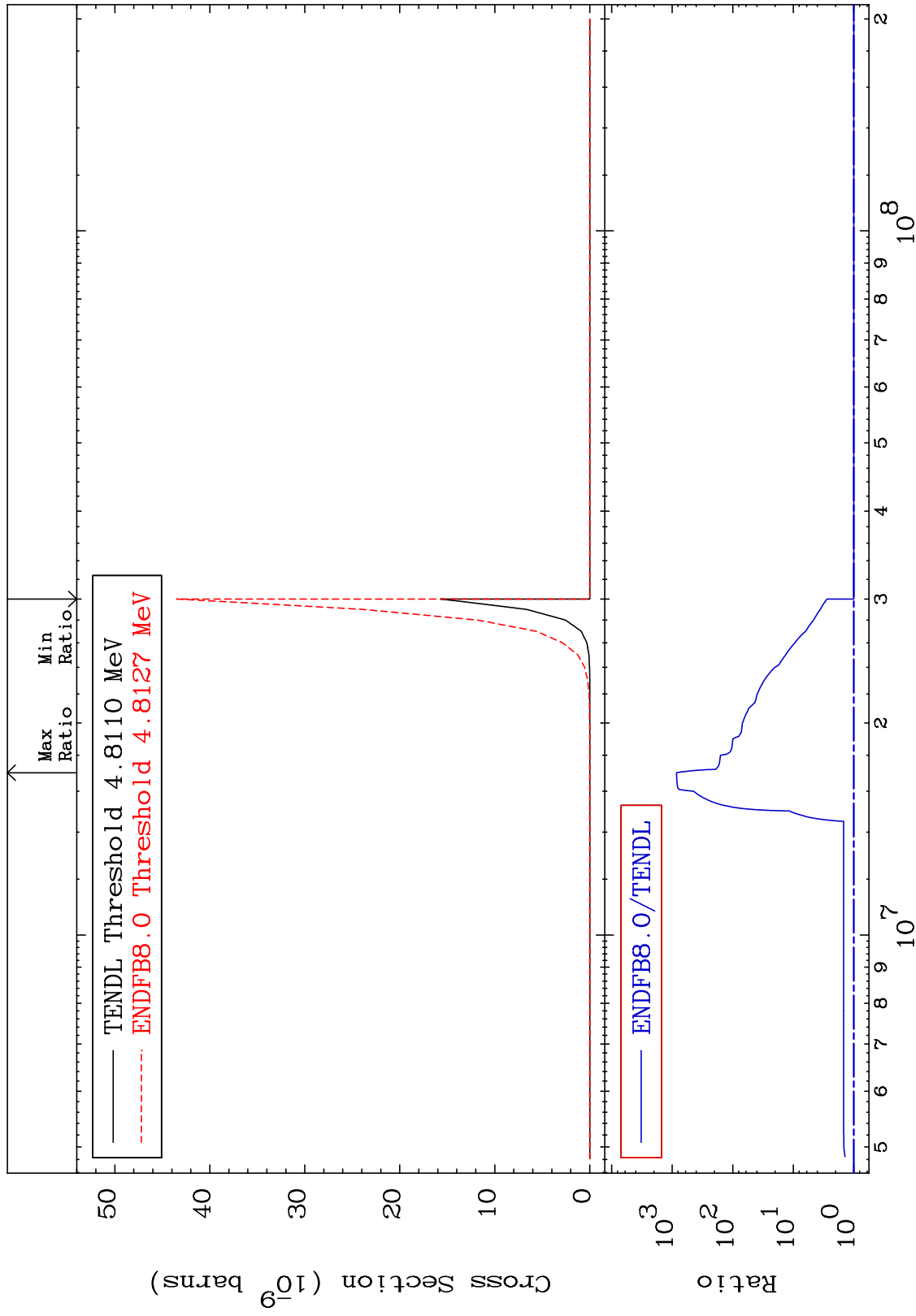
MAT 7831 (n,2n) p 78-Pt-192
 Cross Section -24.75 To 10.24 %



MAT 7831

(n,n') p α
Cross Section

78-Pt-192
To 9999. %
0.000

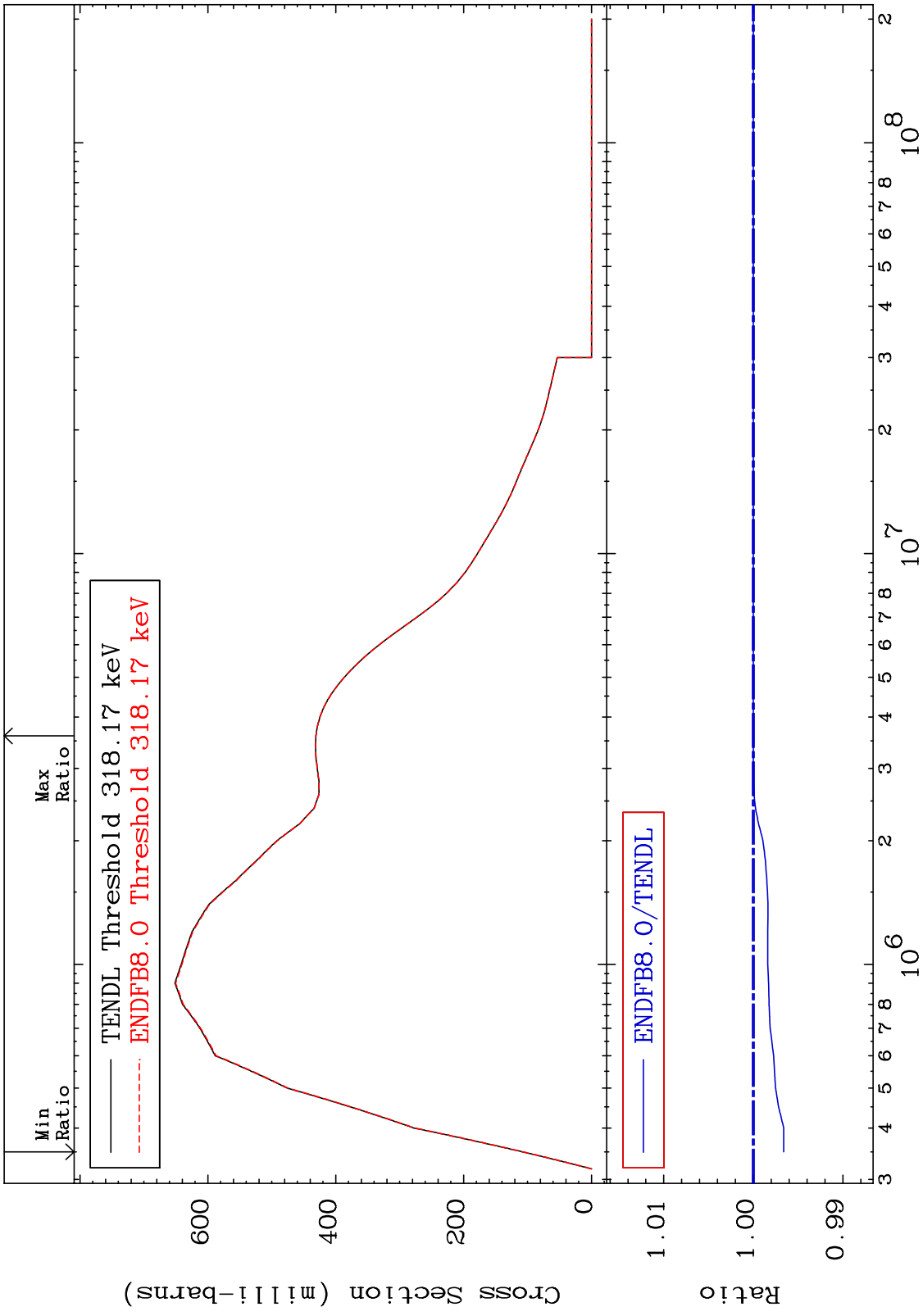


19

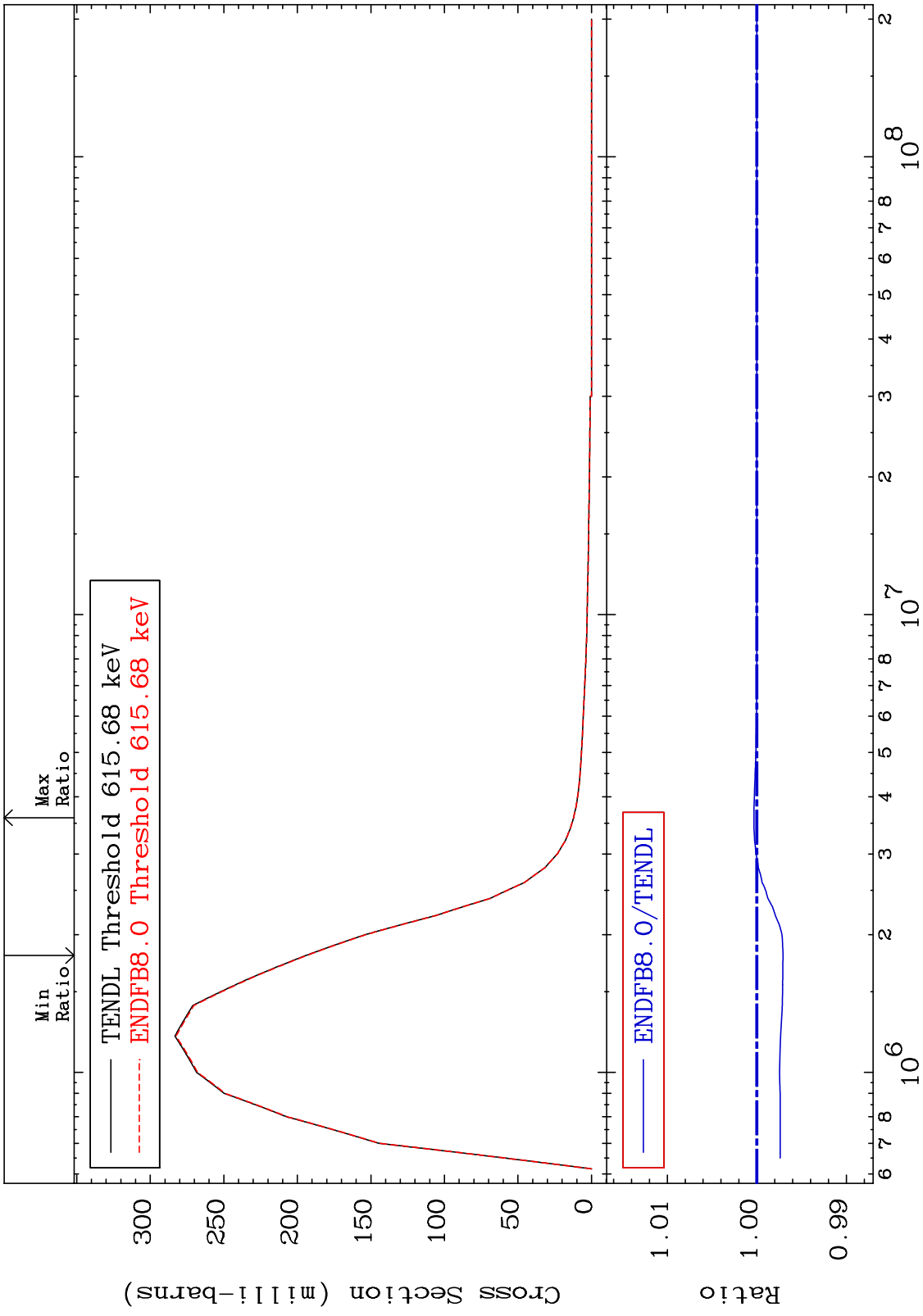
Incident Energy (eV)

78-Pt-192

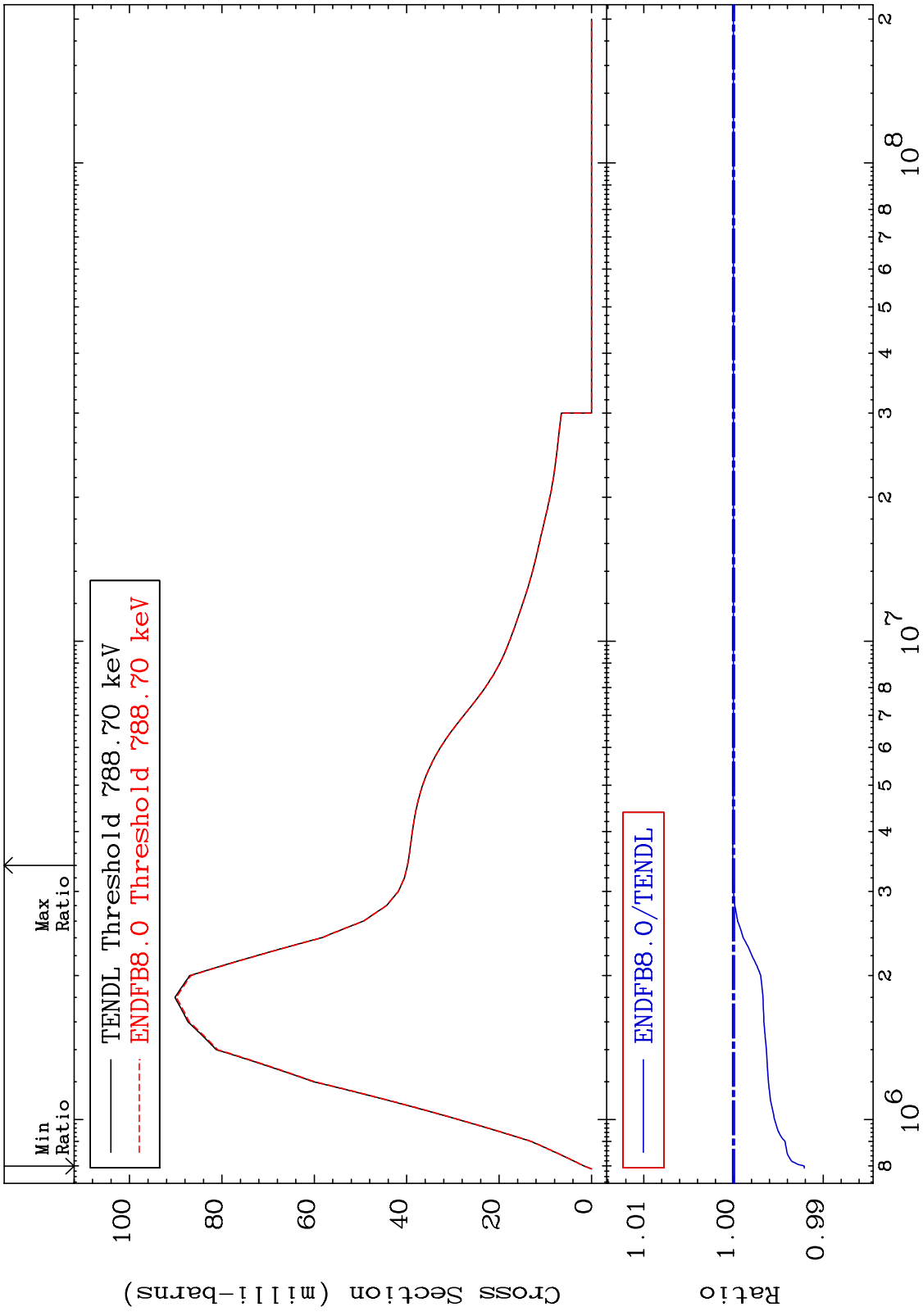
MAT 7831 MT= 51 (n,n') Level Cross Section 78-Pt-192 -0.339 To 0.001 %



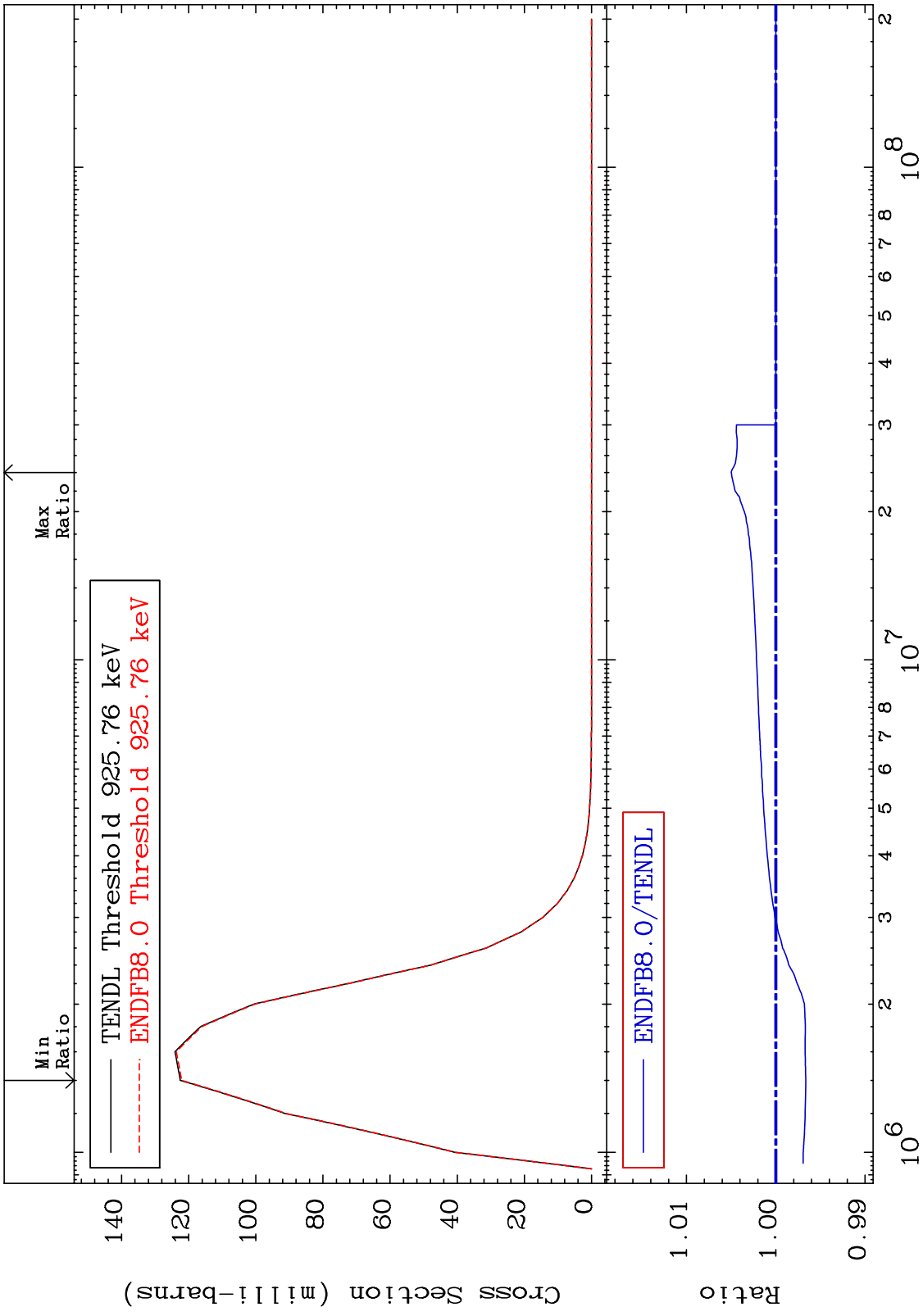
MAT 7831 MT= 52 (n,n') Level Cross Section 78-Pt-192
 -0.292 To 0.033 %



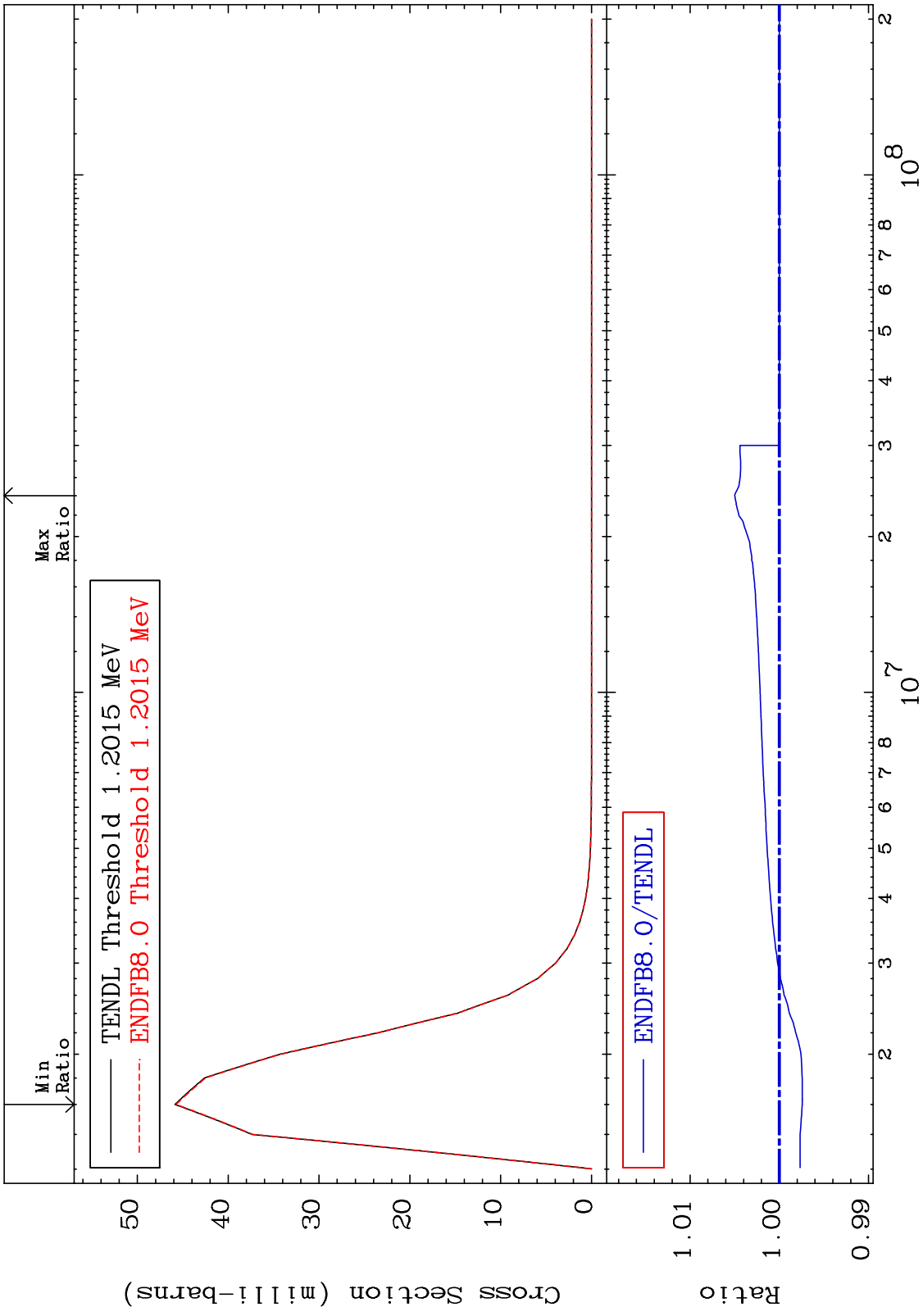
MAT 7831 MT= 53 (n,n') Level Cross Section 78-Pt-192 -0.787 To 0.009 %



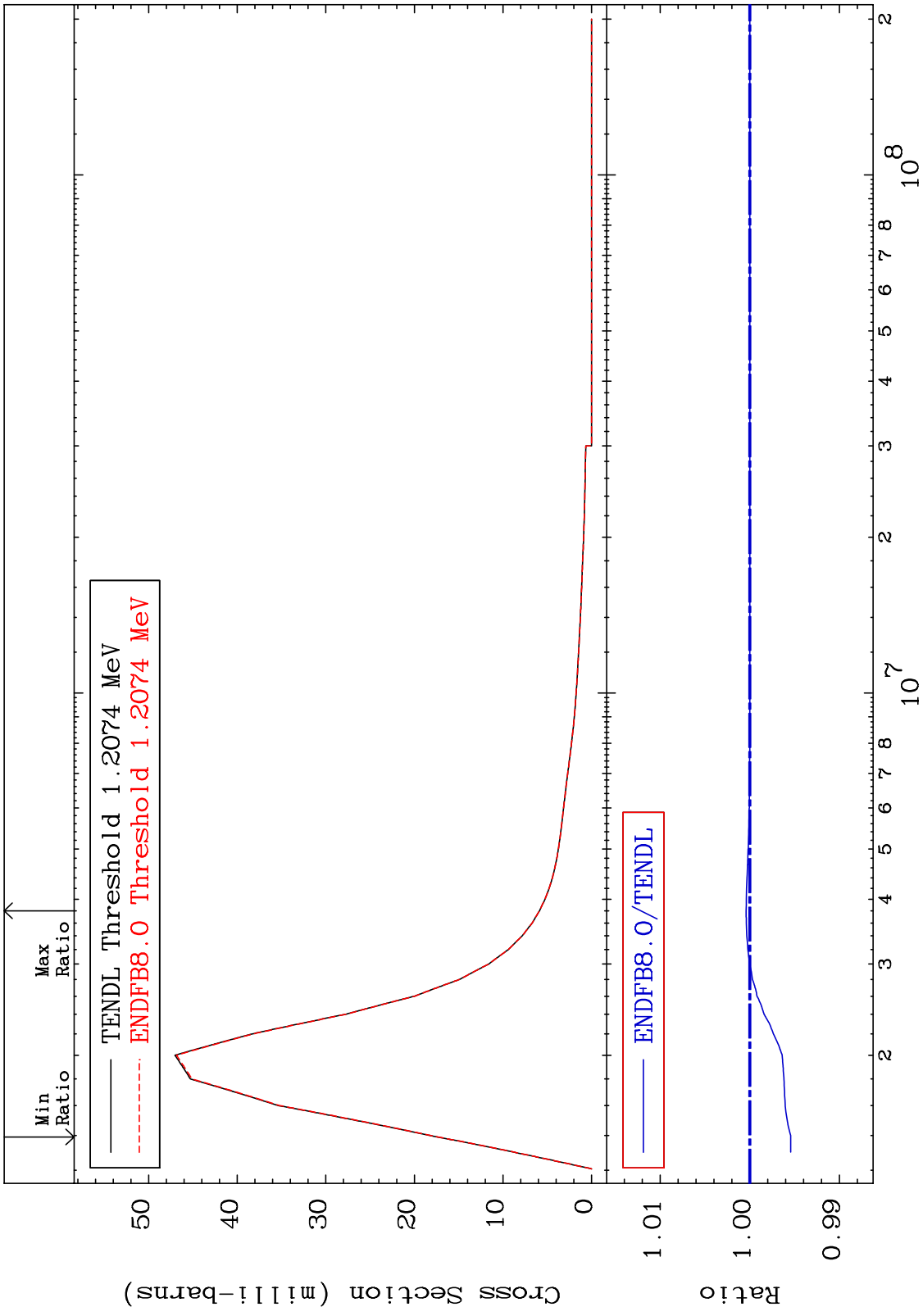
MAT 7831 MT= 54 (n,n') Level Cross Section 78-Pt-192
 -0.335 To 0.500 %



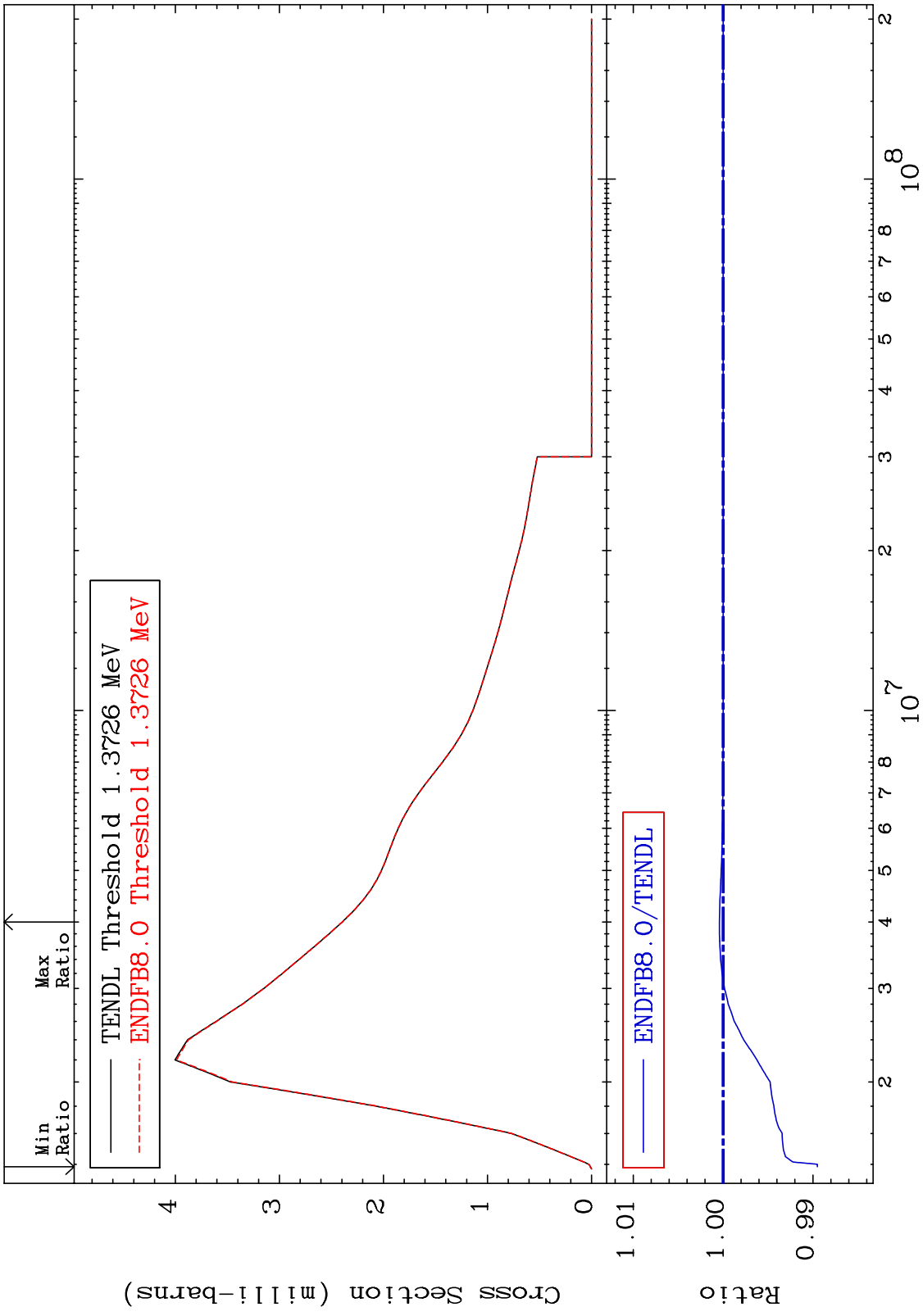
MAT 7831 MT= 55 (n,n') Level Cross Section 78-Pt-192
 -0.256 To 0.500 %



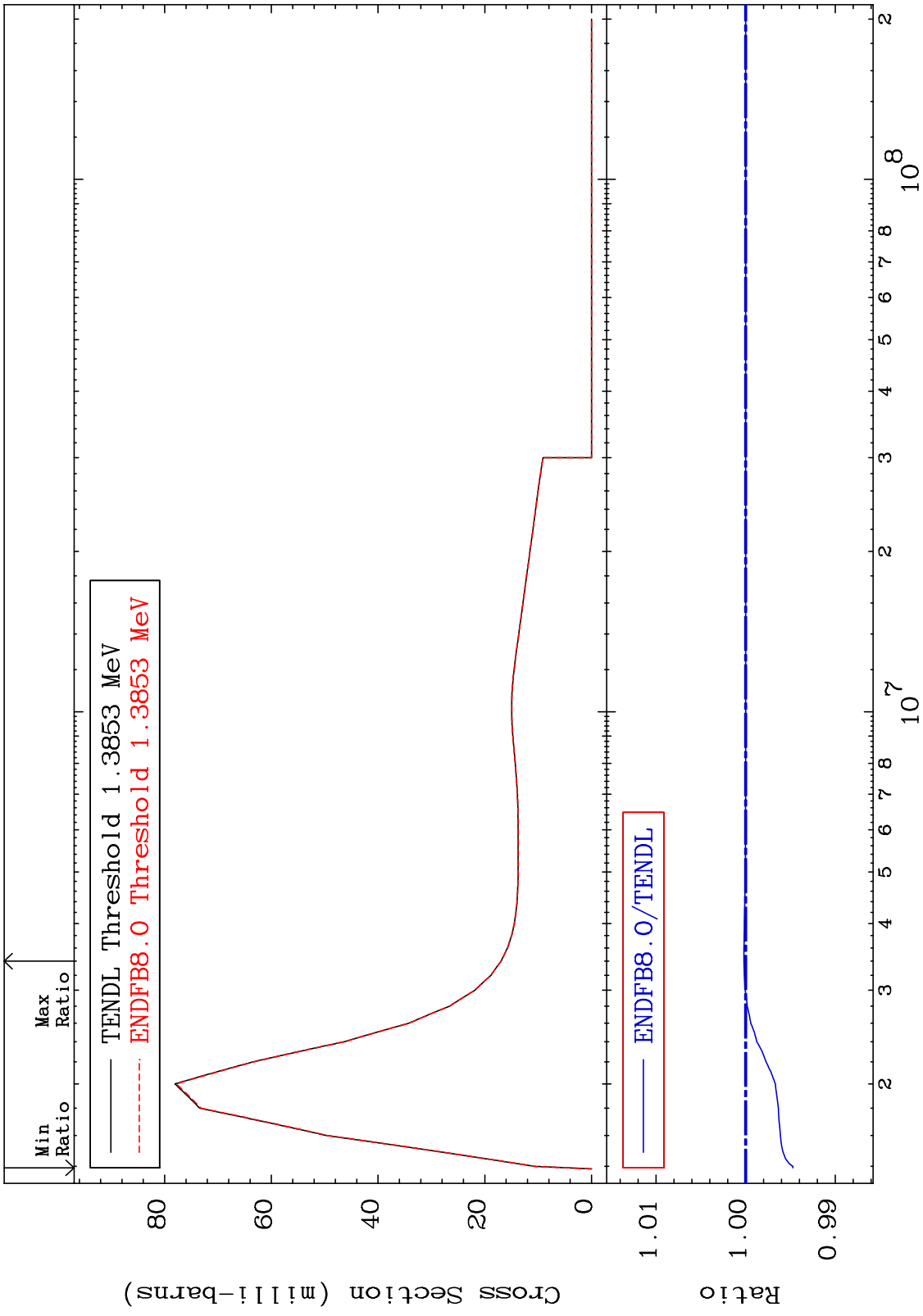
MAT 7831 MT= 56 (n,n') Level Cross Section 78-Pt-192 -0.457 To 0.041 %



MAT 7831 MT= 57 (n,n') Level Cross Section 78-Pt-192 -1.050 To 0.040 %



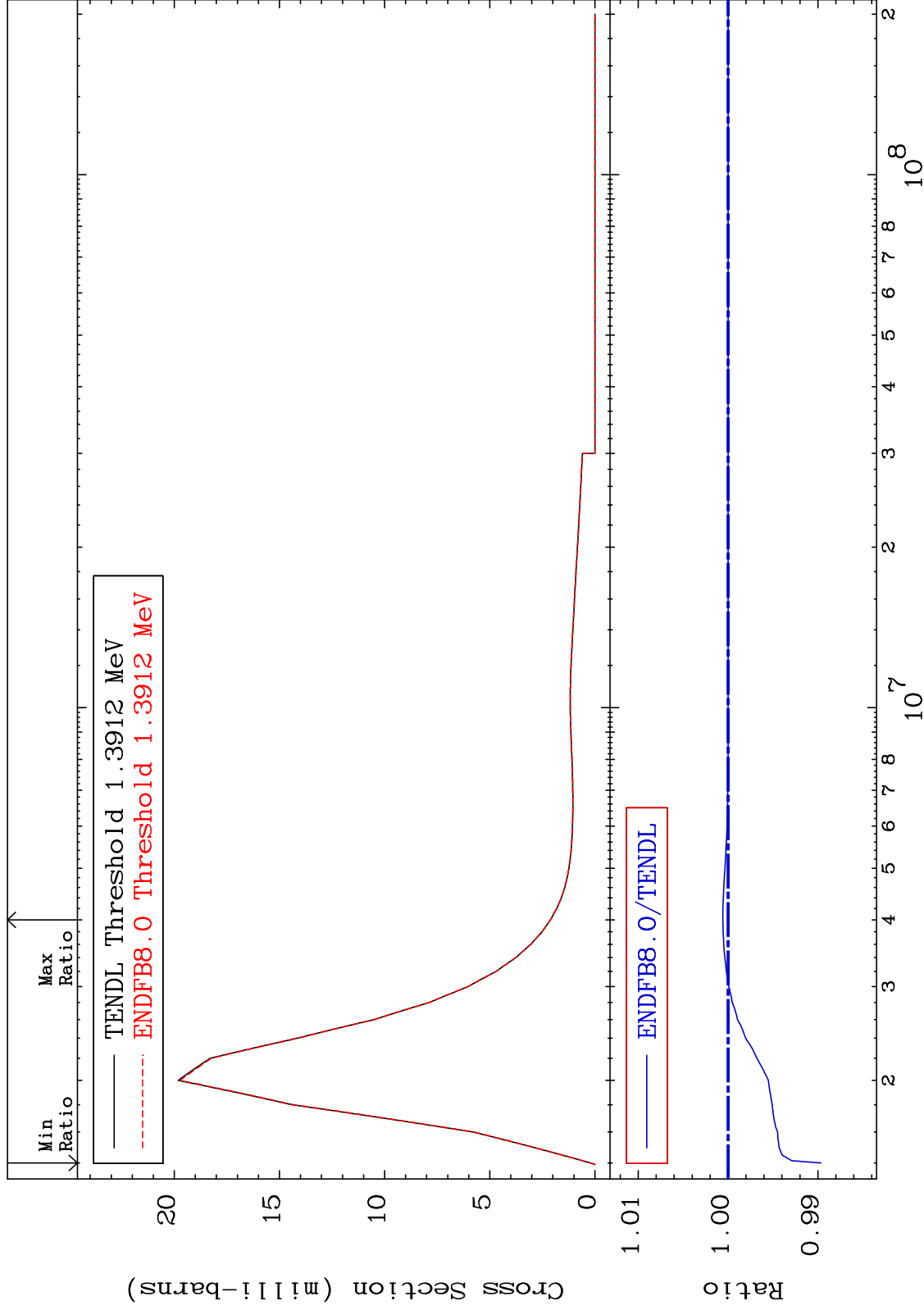
MAT 7831 MT= 58 (n,n') Level Cross Section 78-Pt-192 -0.528 To 0.018 %



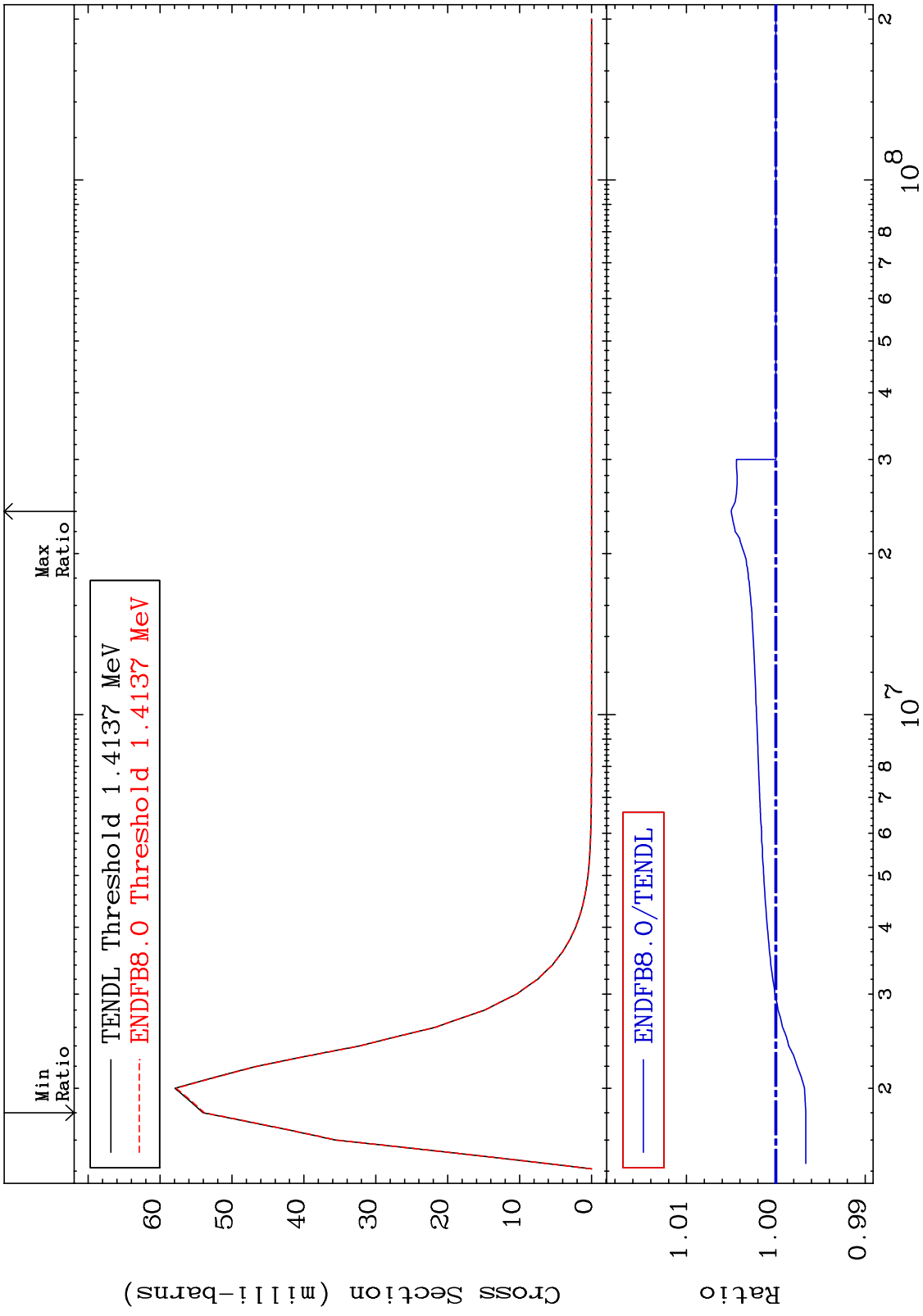
MAT 7831

MT= 59 (n,n') Level
Cross Section

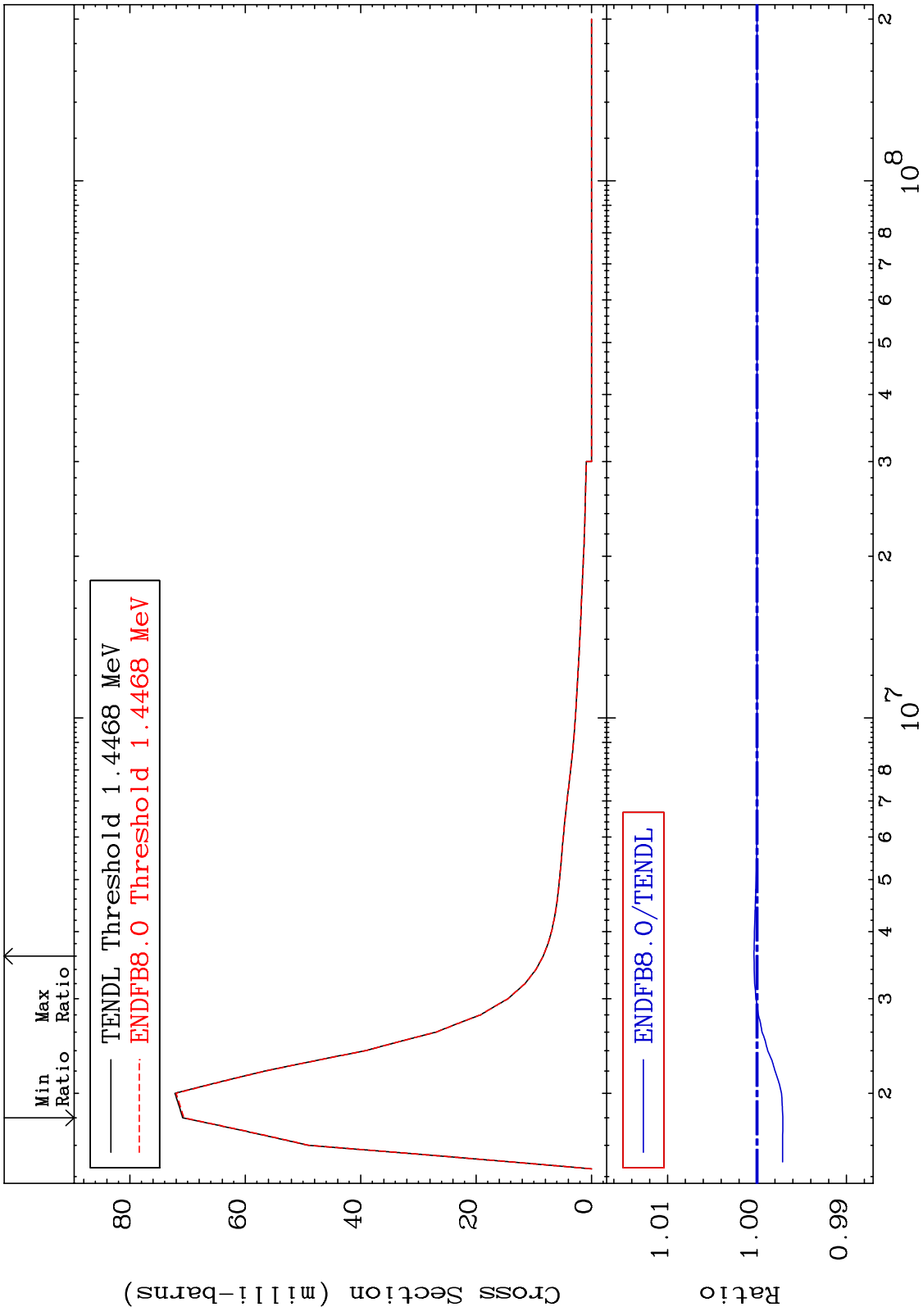
78-Pt-192
-1.033 To 0.058 %



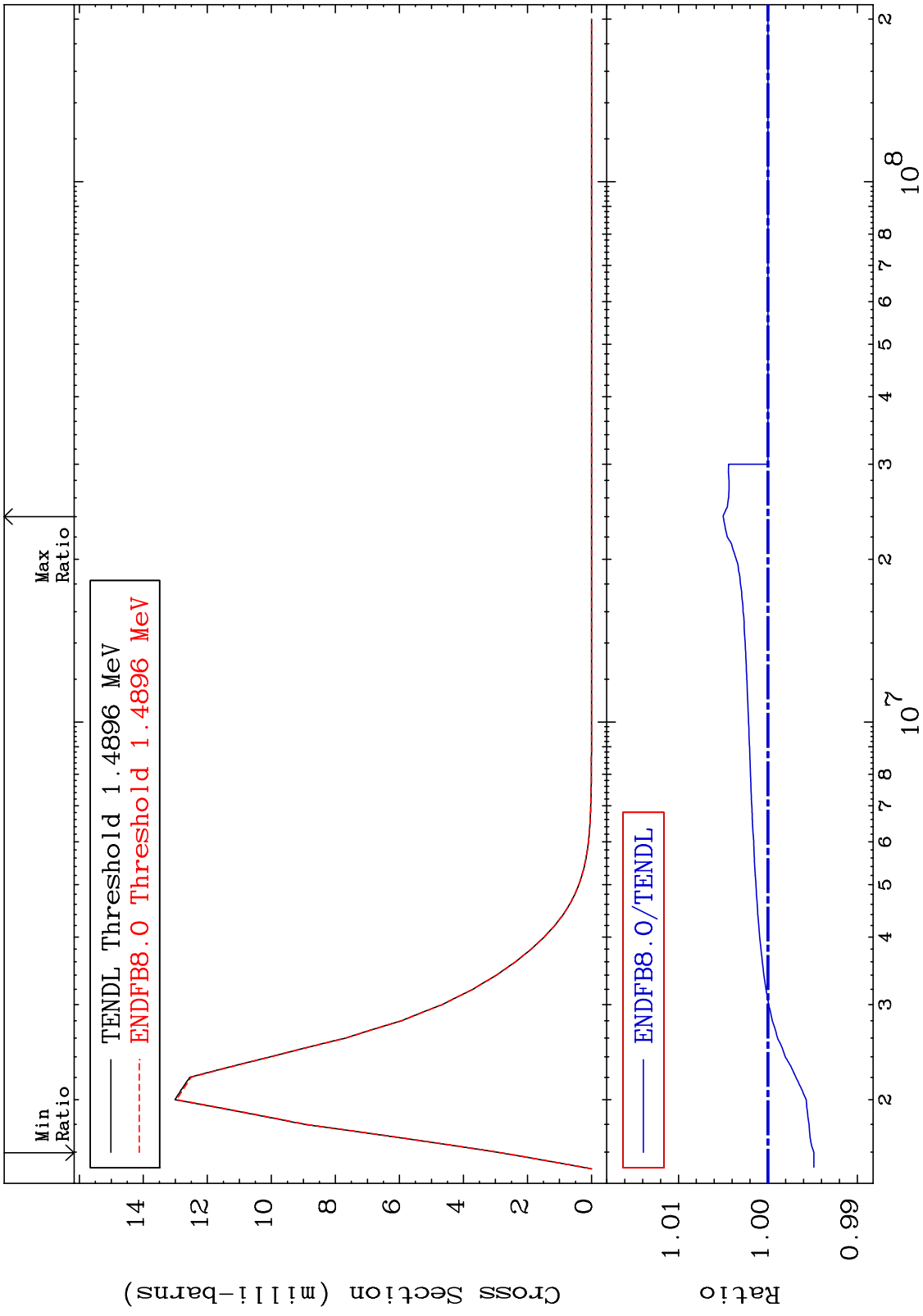
MAT 7831 MT= 60 (n,n') Level Cross Section 78-Pt-192
 -0.335 To 0.500 %



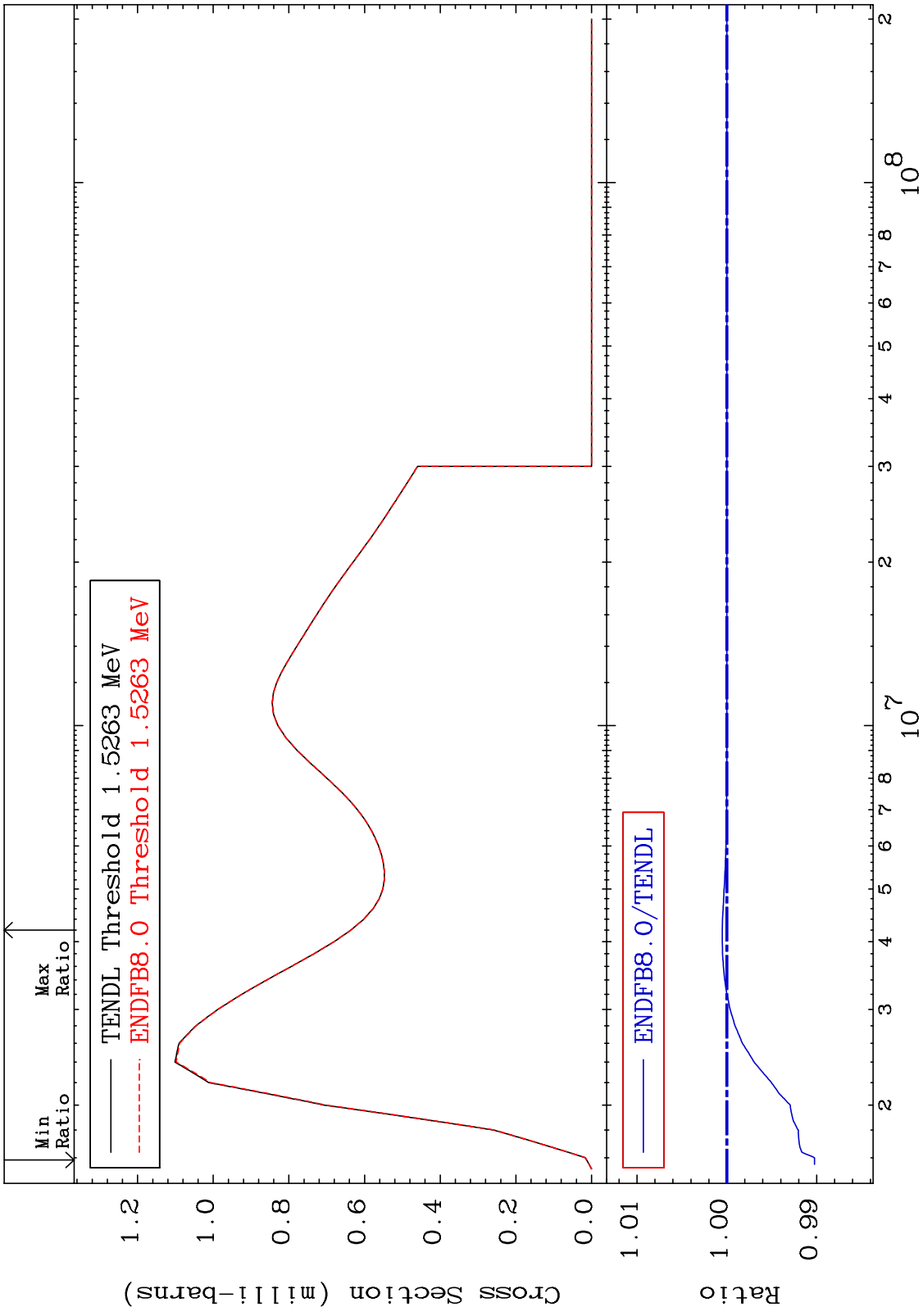
MAT 7831 MT= 61 (n,n') Level Cross Section 78-Pt-192 -0.289 To 0.034 %



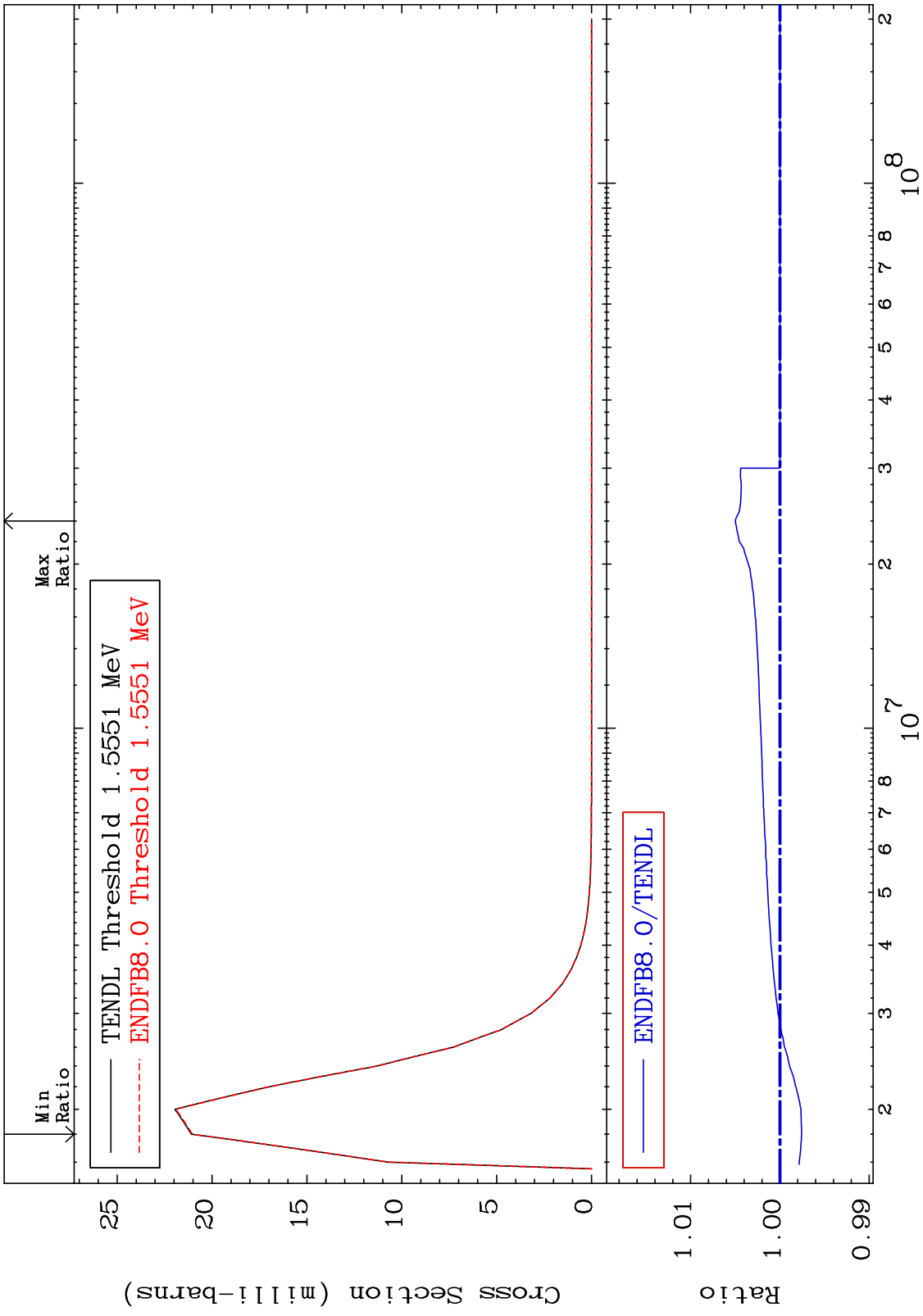
MAT 7831 MT= 62 (n,n') Level Cross Section 78-Pt-192
 -0.513 To 0.500 %



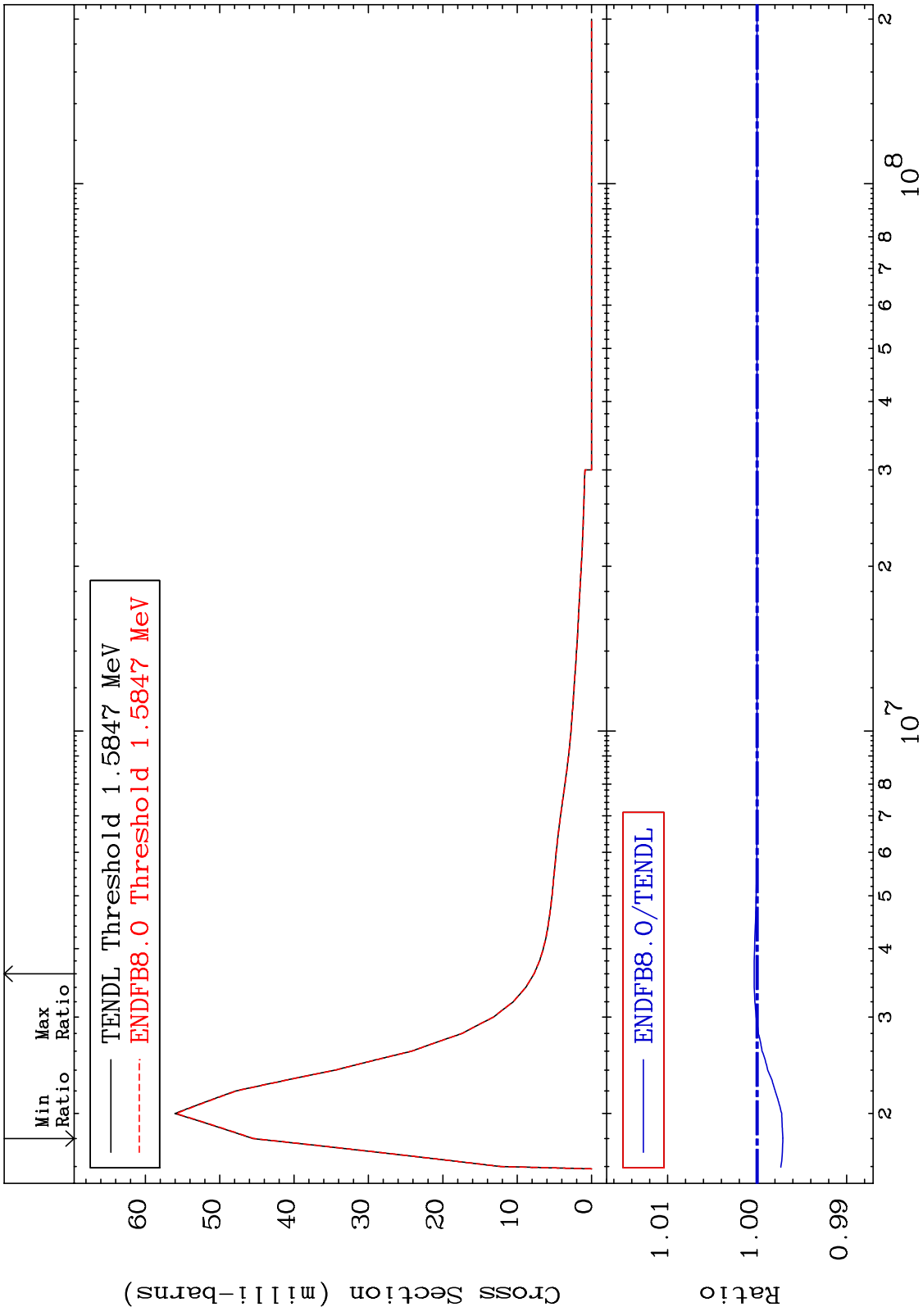
MAT 7831 MT= 63 (n,n') Level Cross Section 78-Pt-192 -0.977 To 0.051 %



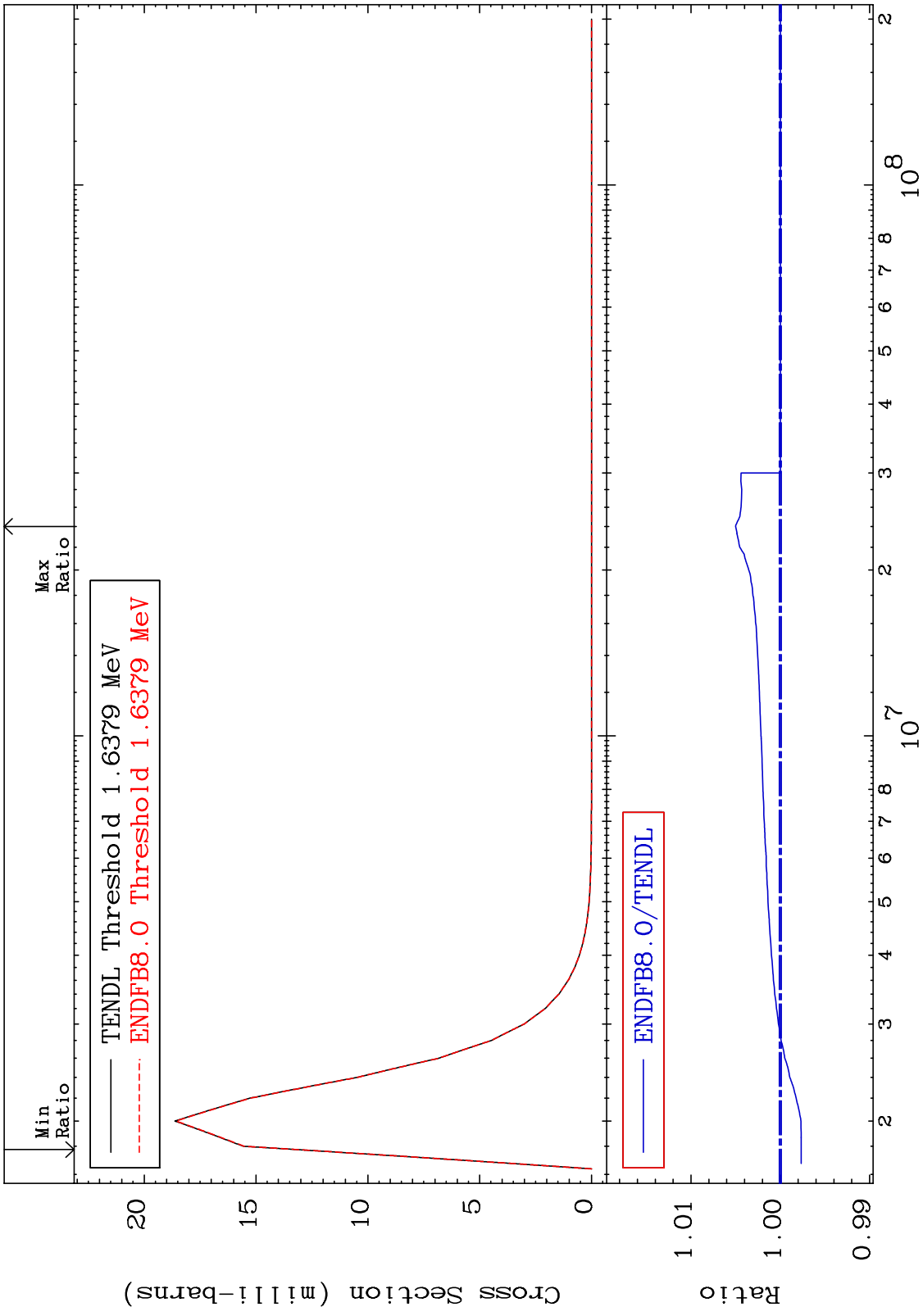
MAT 7831 MT= 64 (n,n') Level Cross Section 78-Pt-192
 -0.243 To 0.500 %



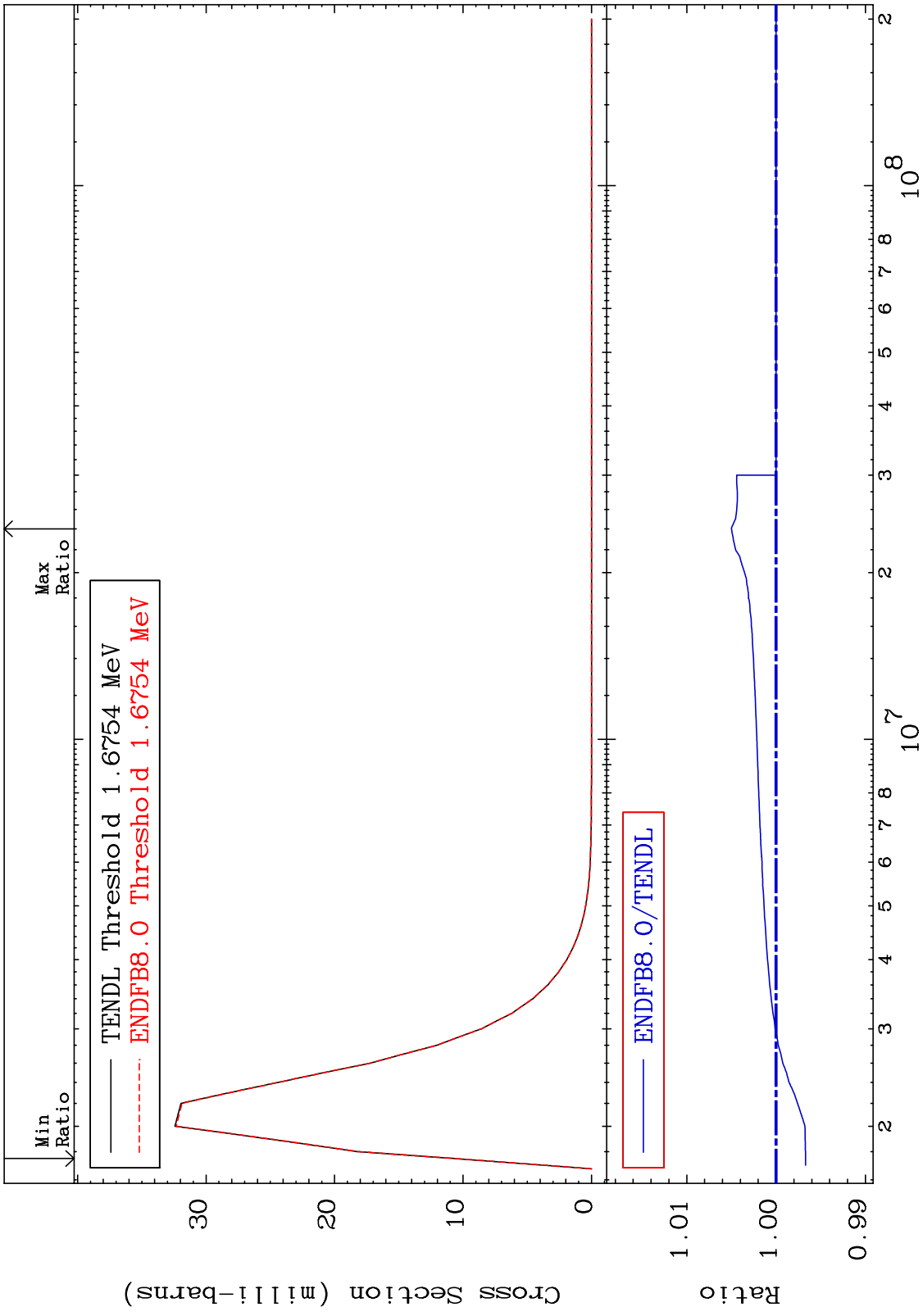
MAT 7831 MT= 65 (n,n') Level Cross Section 78-Pt-192 -0.287 To 0.034 %



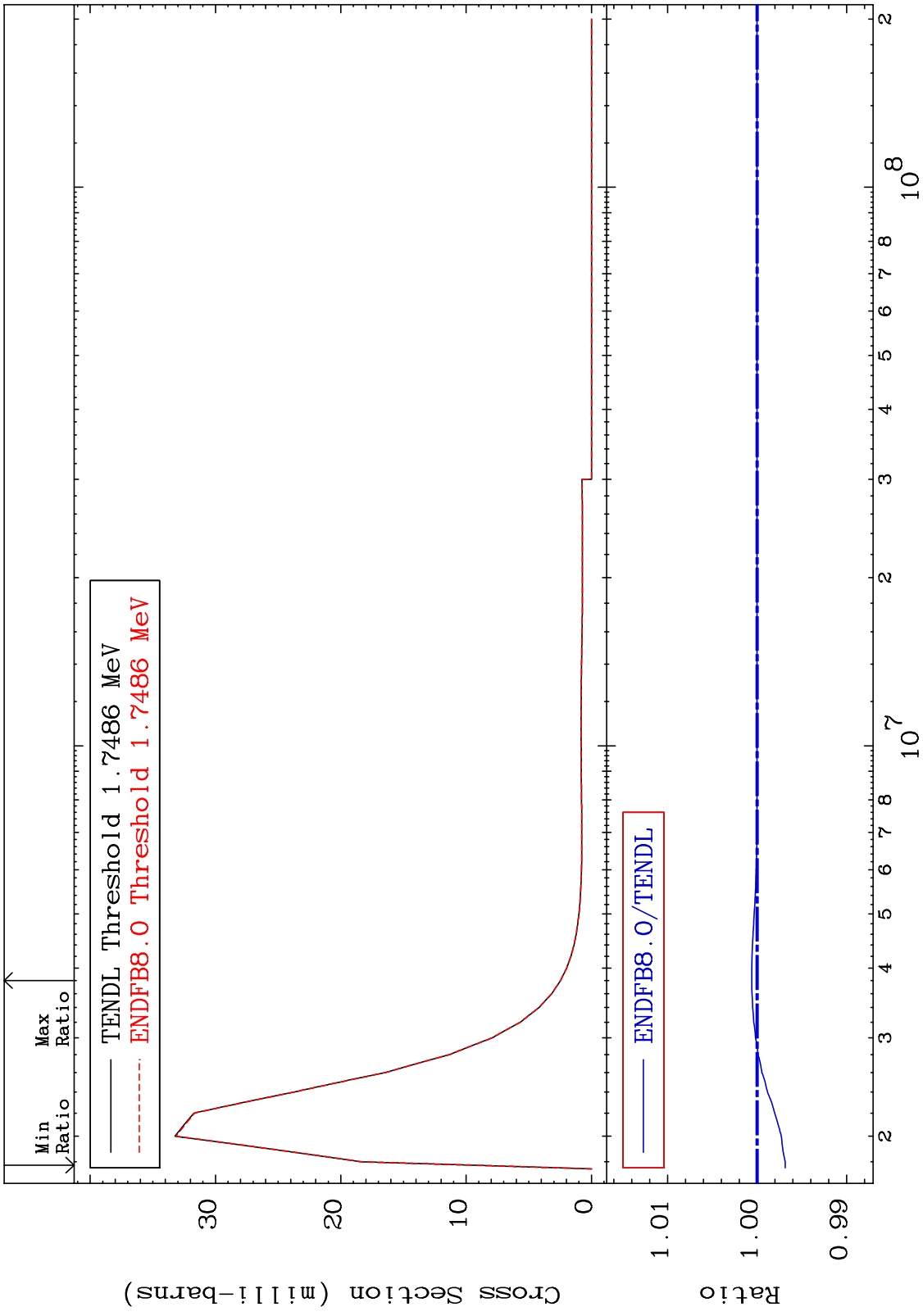
MAT 7831 MT= 66 (n,n') Level Cross Section 78-Pt-192
 -0.234 To 0.500 %



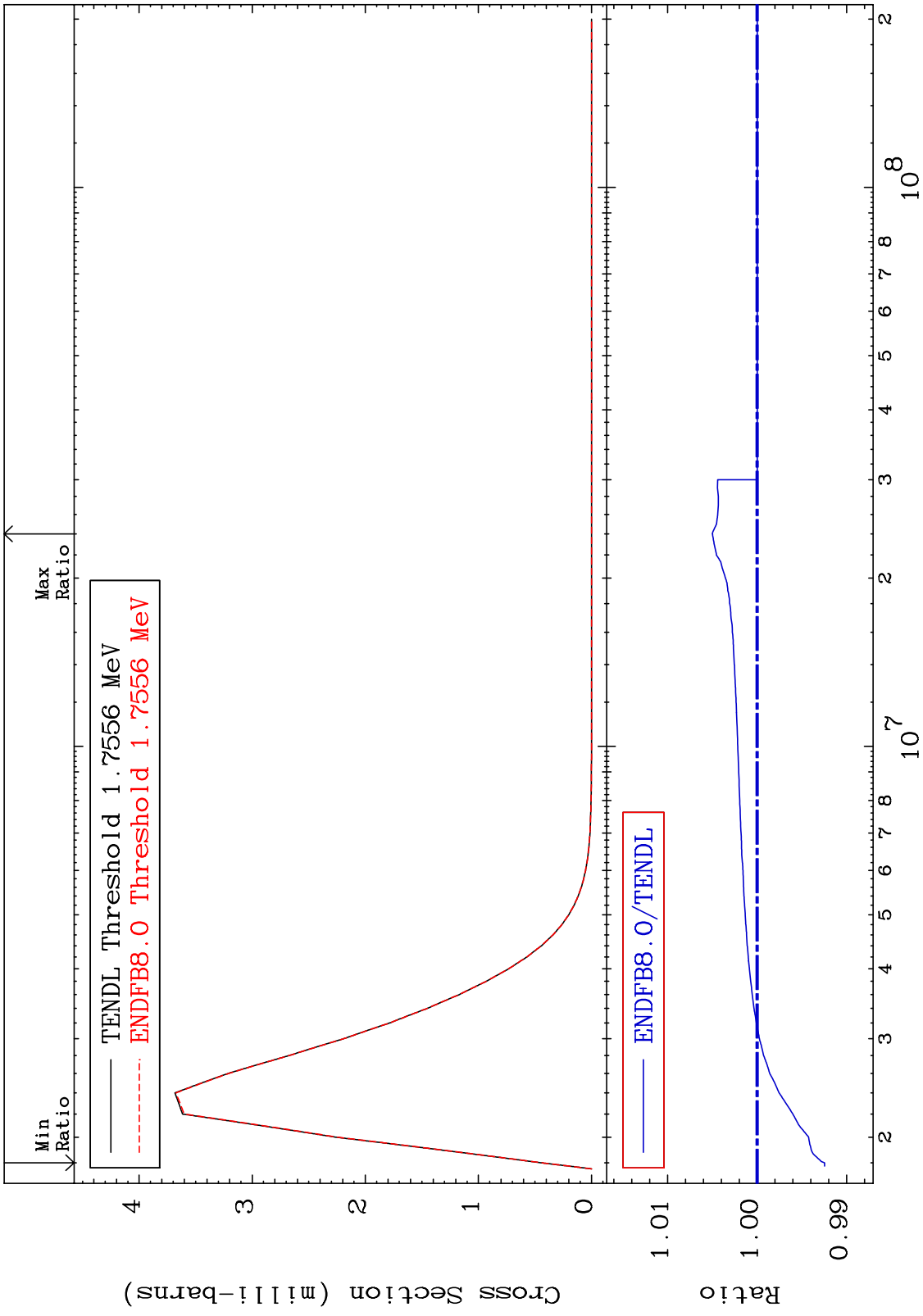
MAT 7831 MT= 67 (n, n') Level Cross Section 78-Pt-192
 -0.329 To 0.500 %



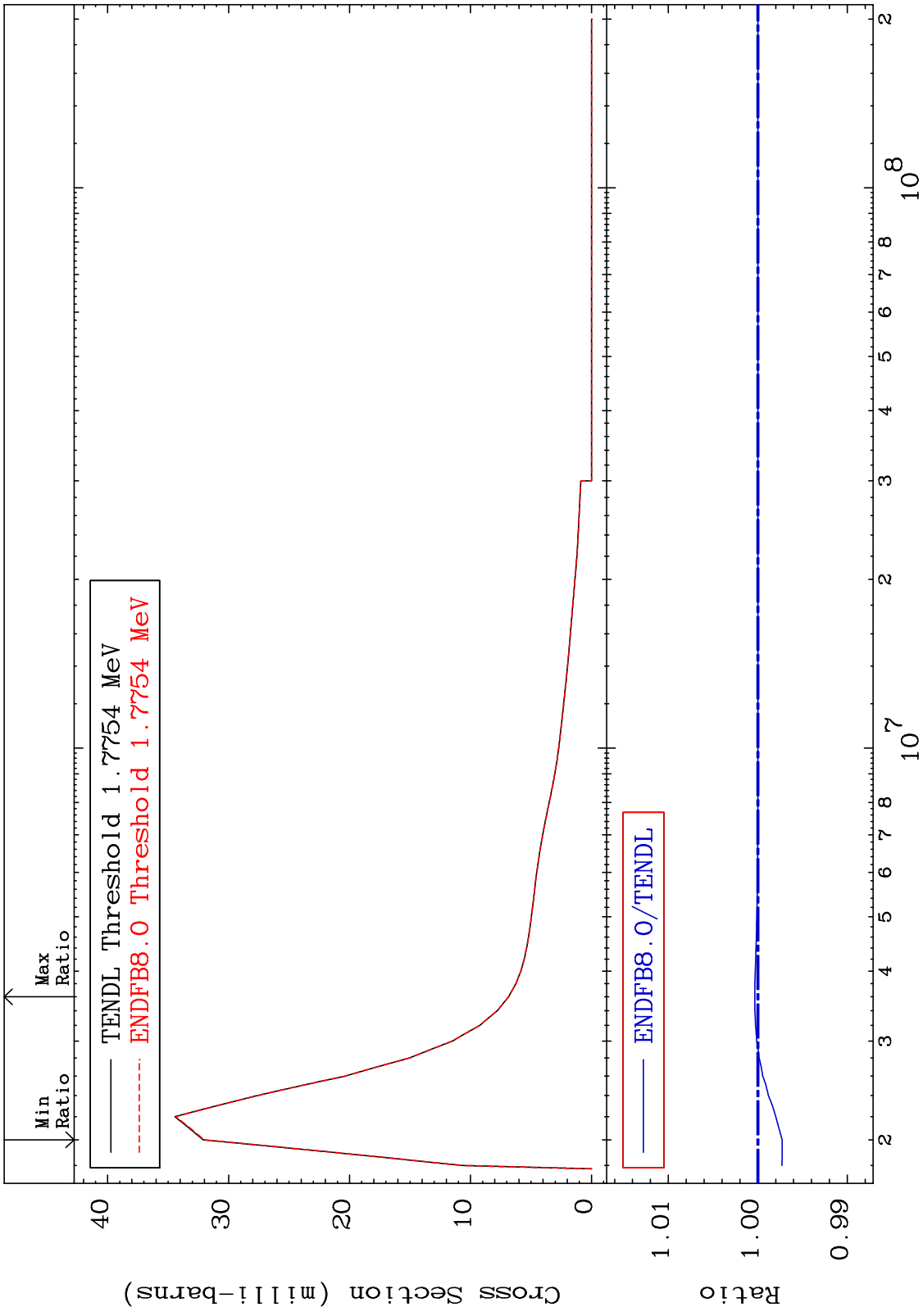
MAT 7831 MT= 68 (n,n') Level Cross Section 78-Pt-192 -0.314 To 0.061 %



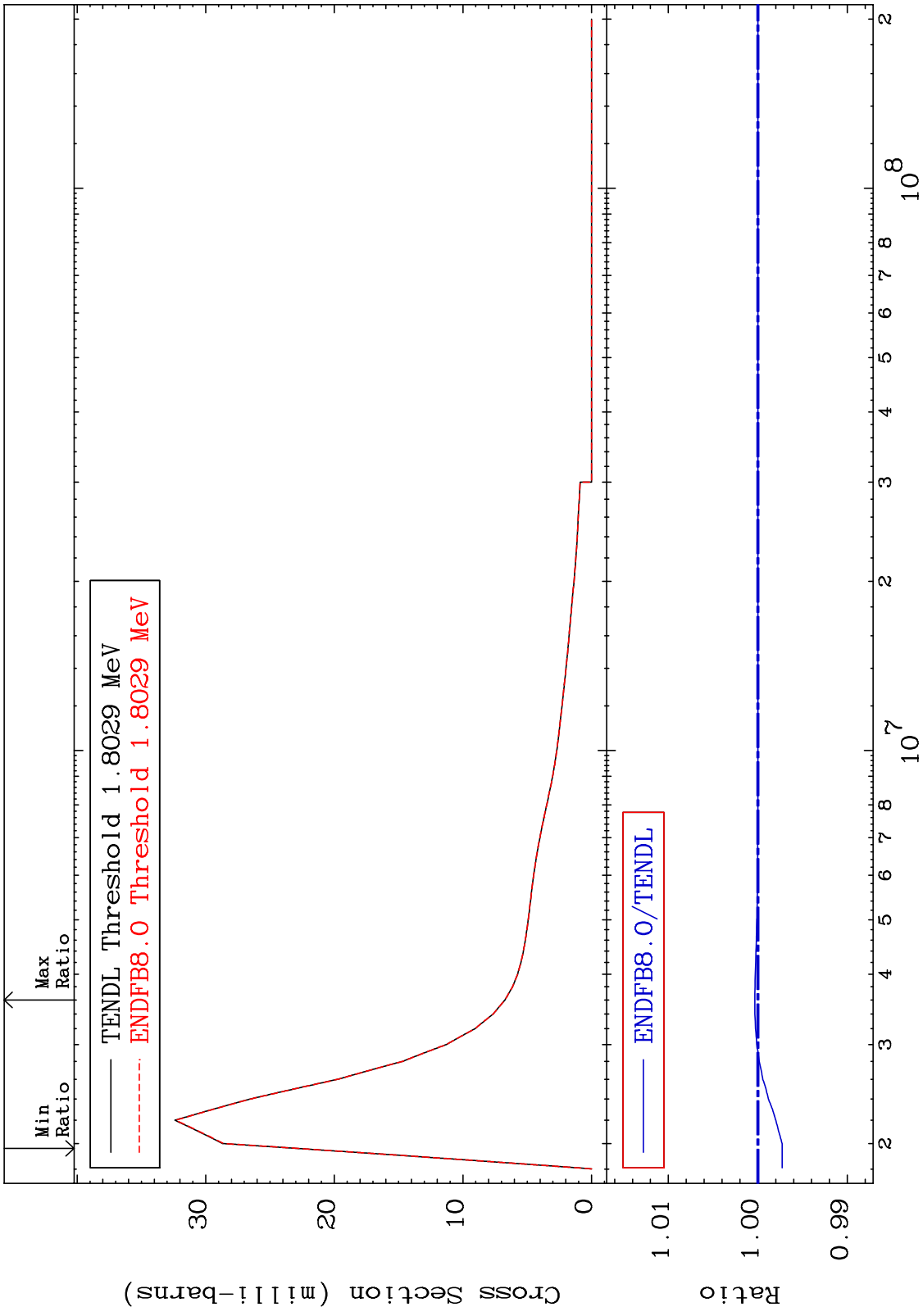
MAT 7831 MT= 69 (n,n') Level Cross Section 78-Pt-192 -0.753 To 0.500 %



MAT 7831 MT= 70 (n,n') Level Cross Section 78-Pt-192
 -0.272 To 0.034 %

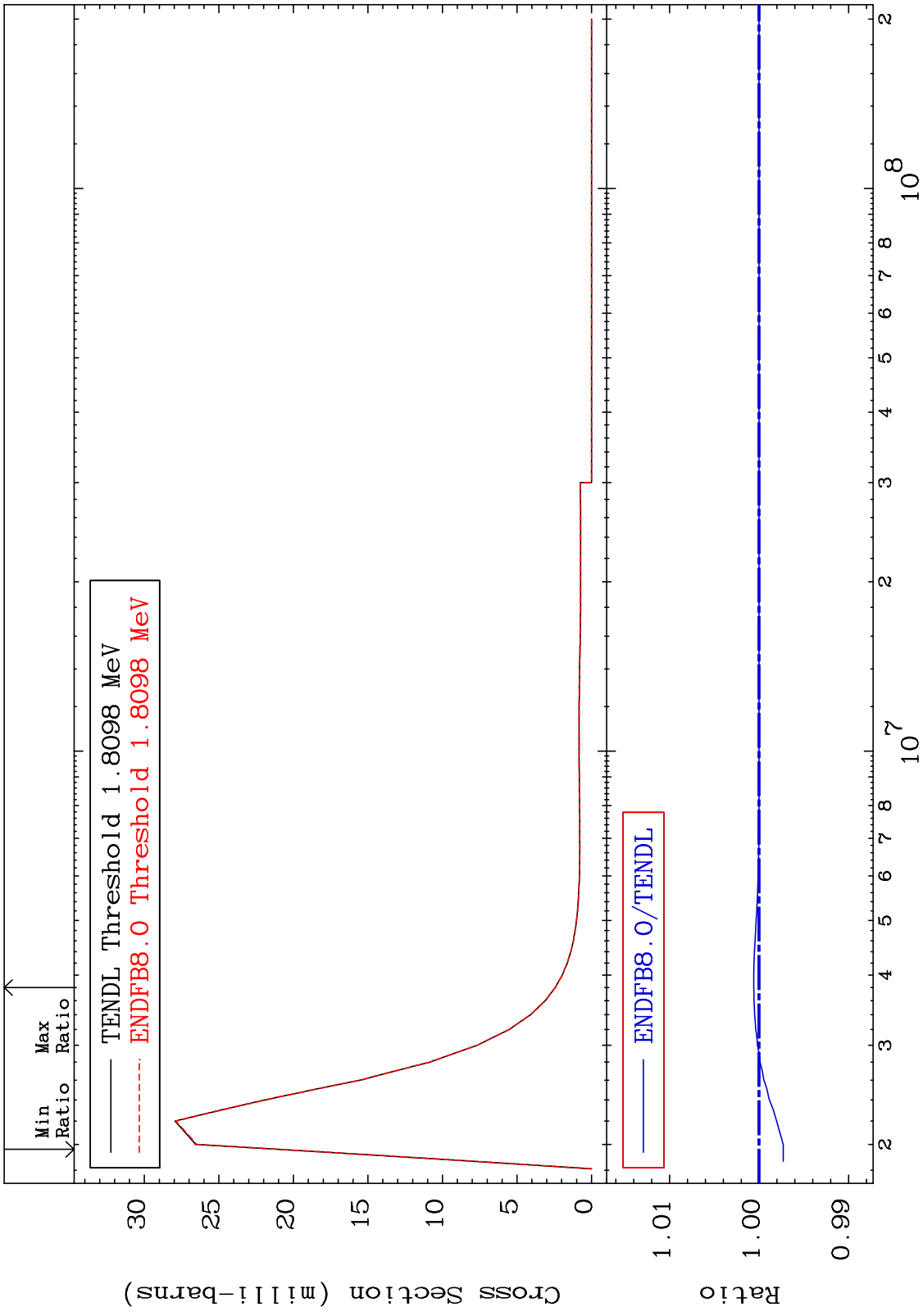


MAT 7831 MT= 71 (n,n') Level Cross Section 78-Pt-192 -0.271 To 0.034 %

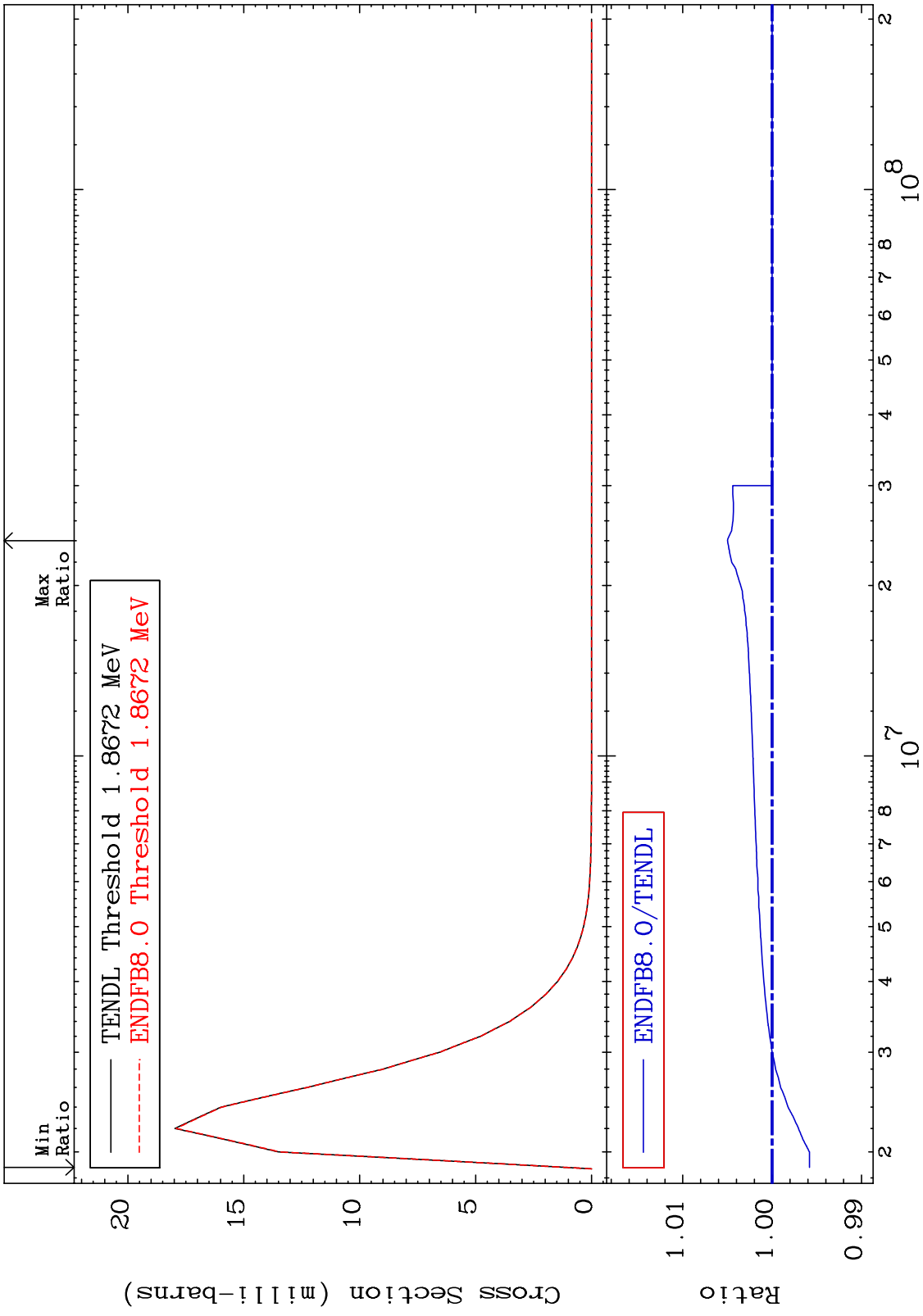


40 Incident Energy (eV) 78-Pt-192

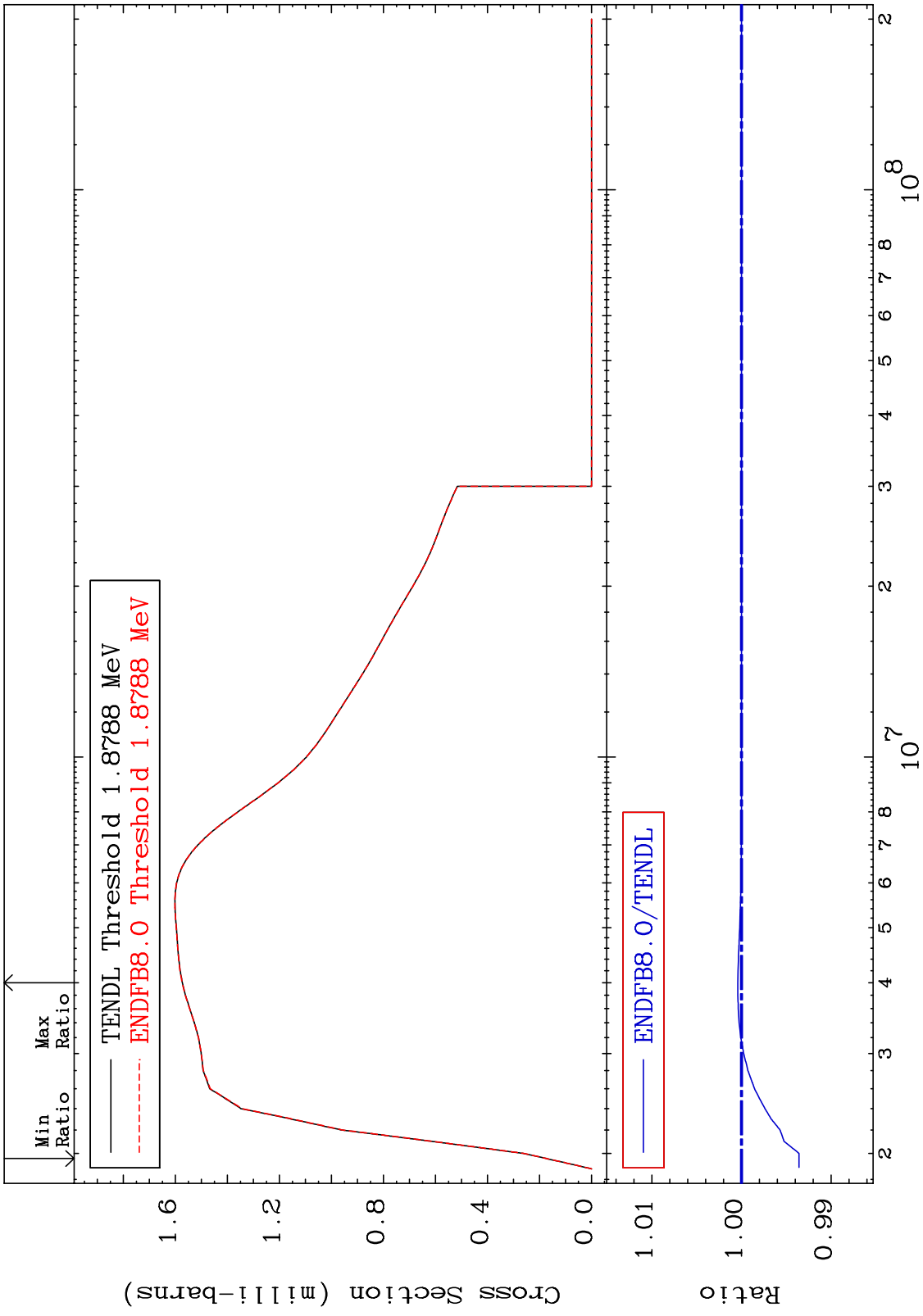
MAT 7831 MT= 72 (n,n') Level Cross Section 78-Pt-192 -0.270 To 0.060 %



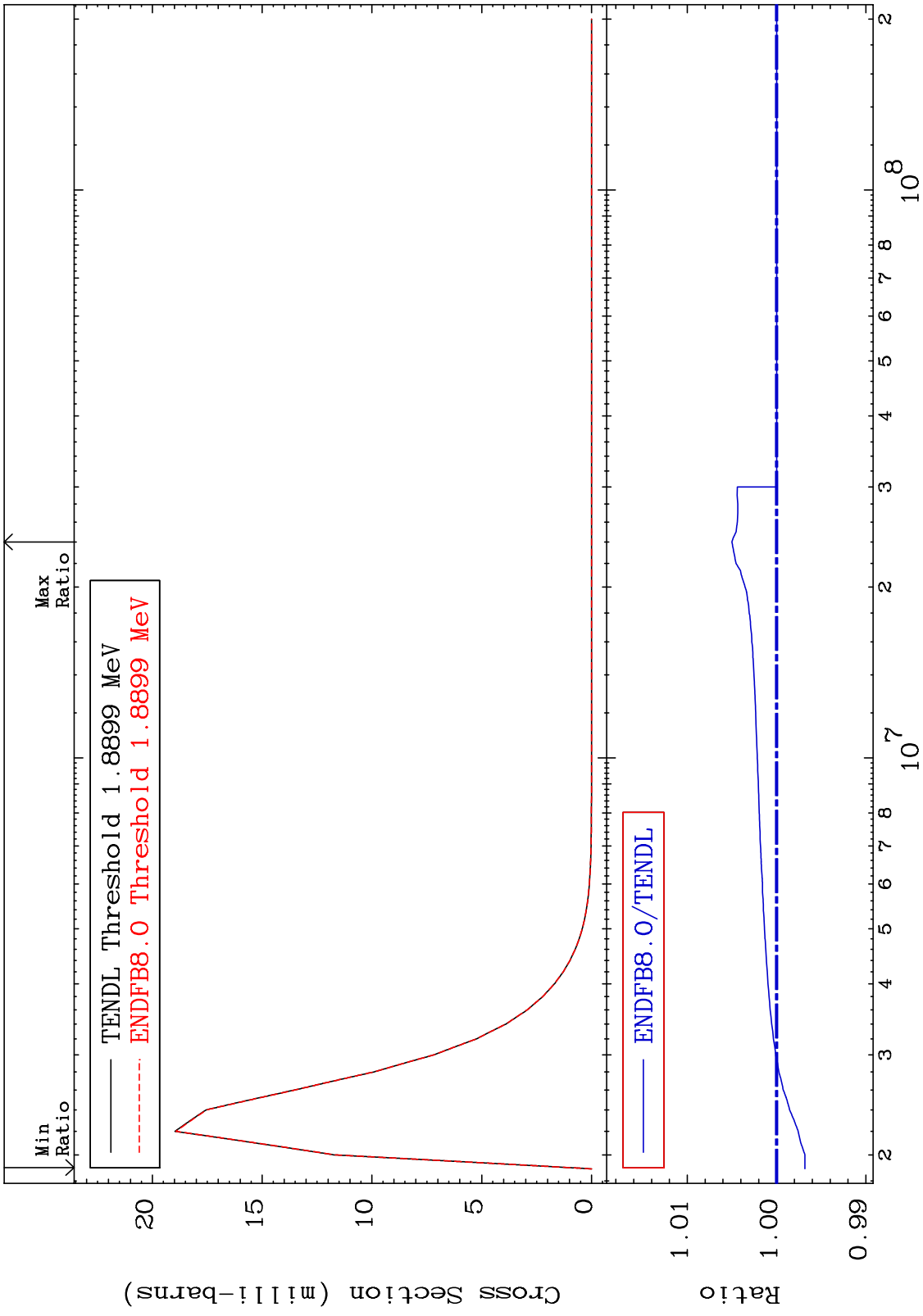
MAT 7831 MT= 73 (n,n') Level Cross Section 78-Pt-192
 -0.417 To 0.500 %



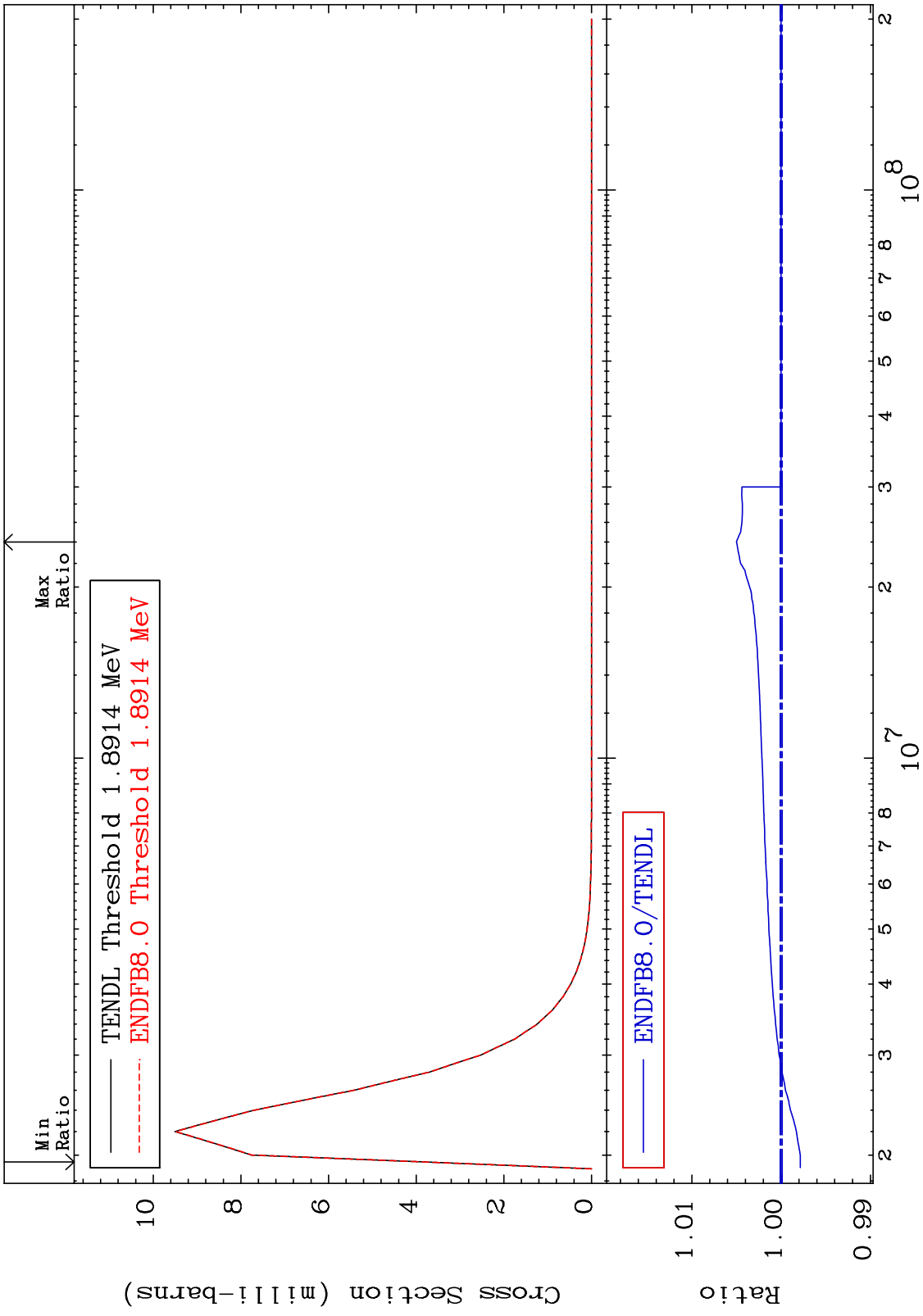
MAT 7831 MT= 74 (n,n') Level Cross Section 78-Pt-192 -0.641 To 0.041 %



MAT 7831 MT= 75 (n,n') Level Cross Section 78-Pt-192
 -0.317 To 0.500 %



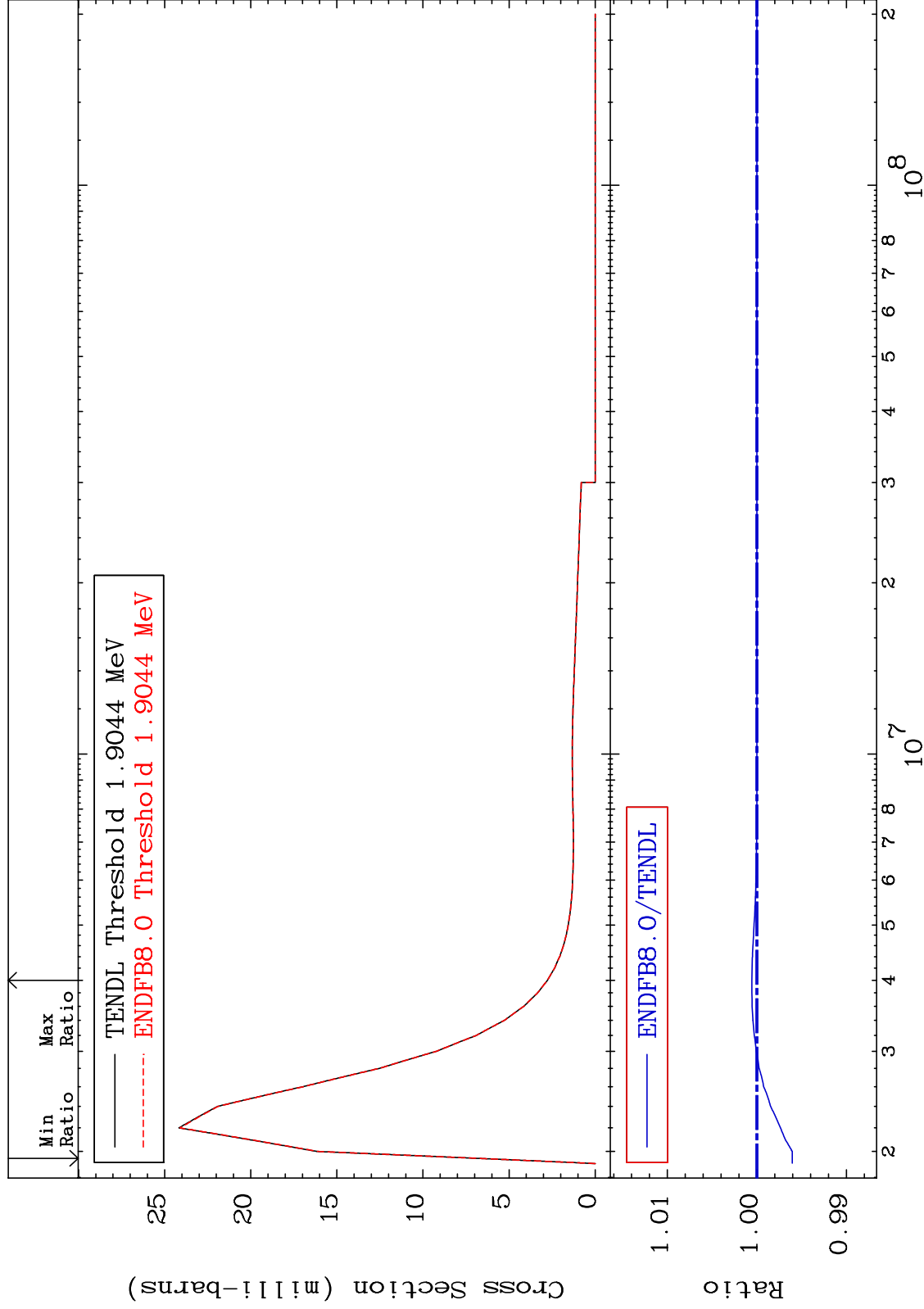
MAT 7831 MT= 76 (n,n') Level Cross Section 78-Pt-192 -0.215 To 0.500 %



MAT 7831

MT= 77 (n,n') Level
Cross Section

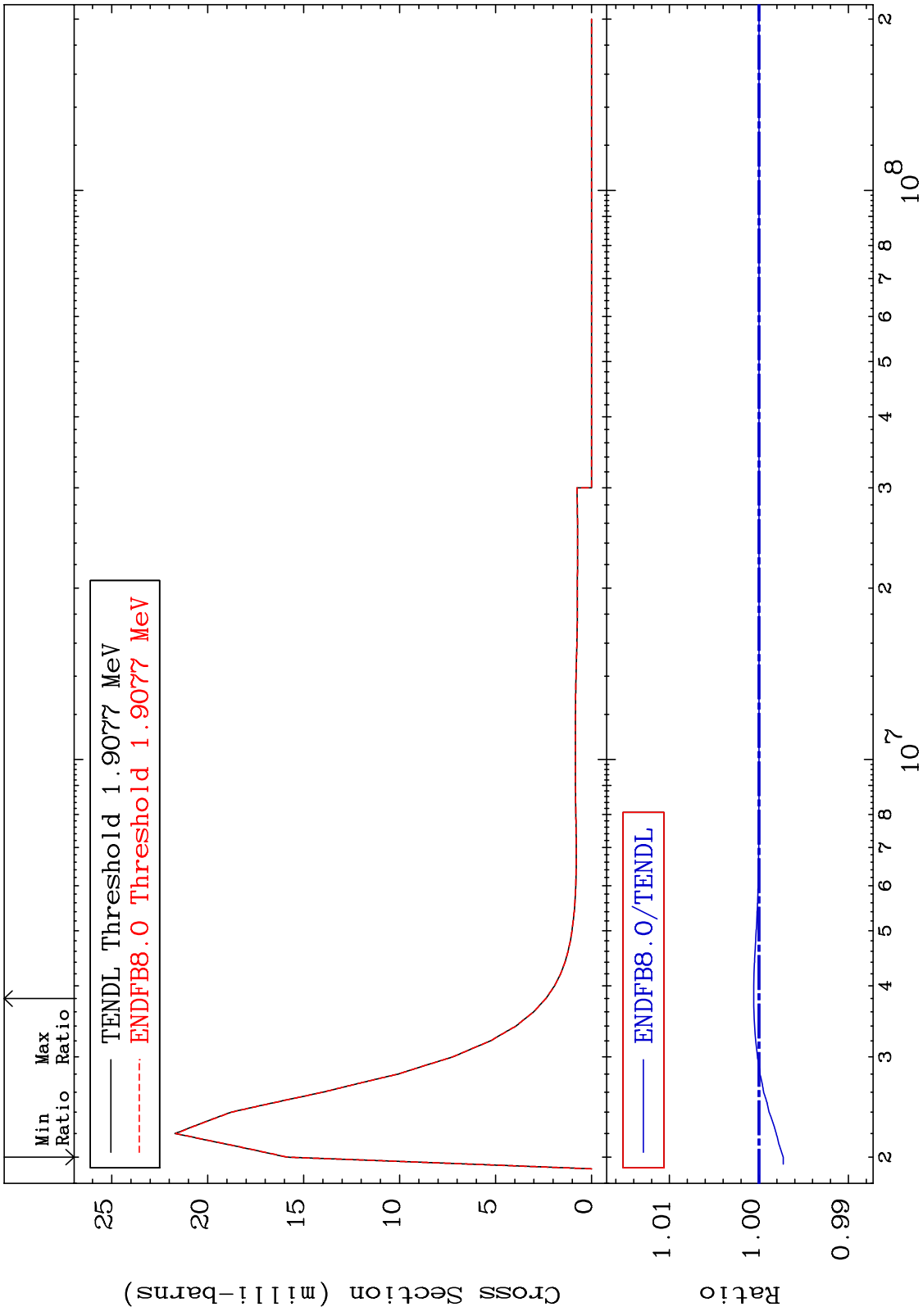
78-Pt-192
-0.395 To 0.057 %



46

78-Pt-192

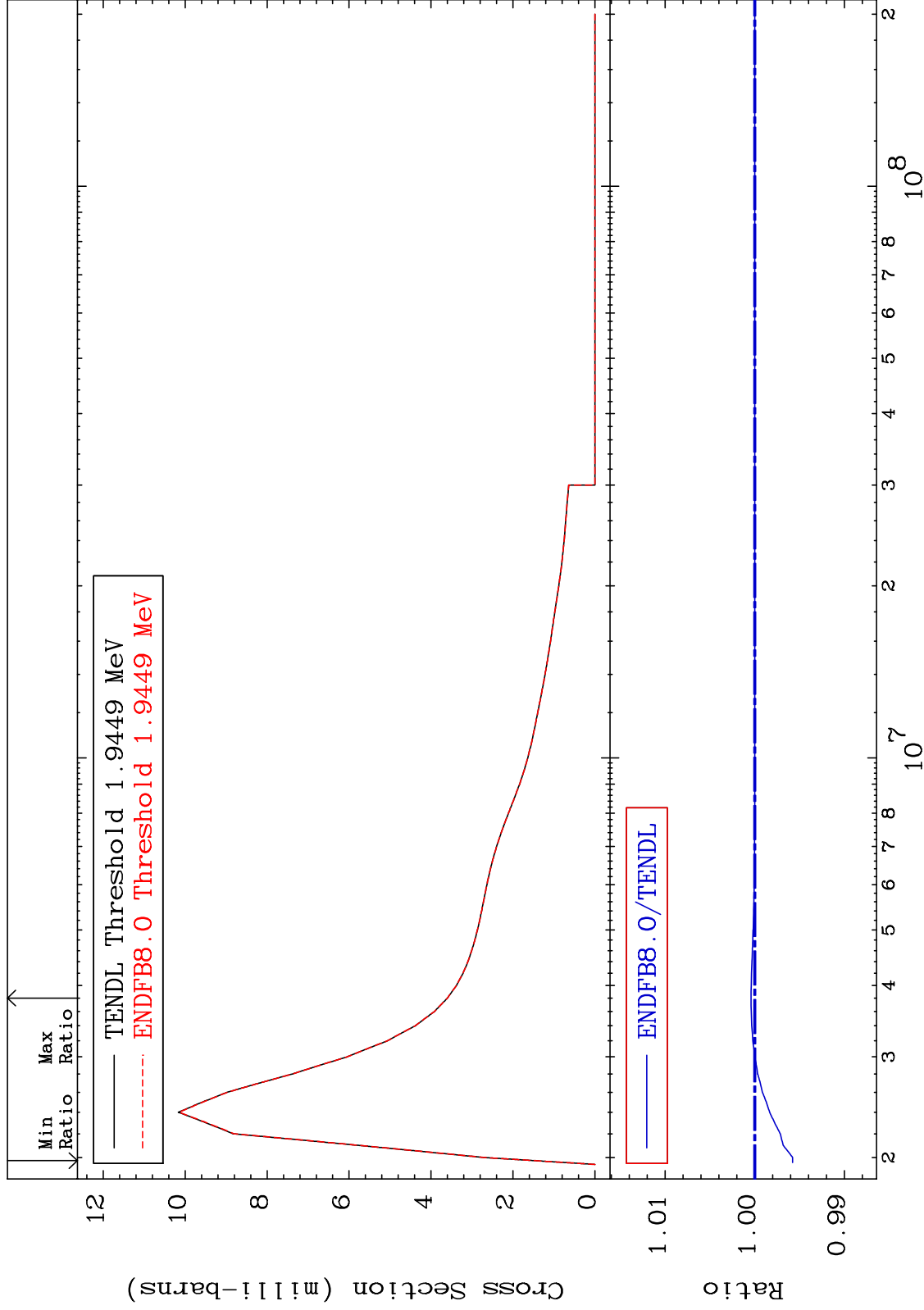
MAT 7831 MT= 78 (n,n') Level Cross Section 78-Pt-192 -0.271 To 0.059 %



MAT 7831

MT= 79 (n,n') Level
Cross Section

78-Pt-192
-0.423 To 0.041 %



48

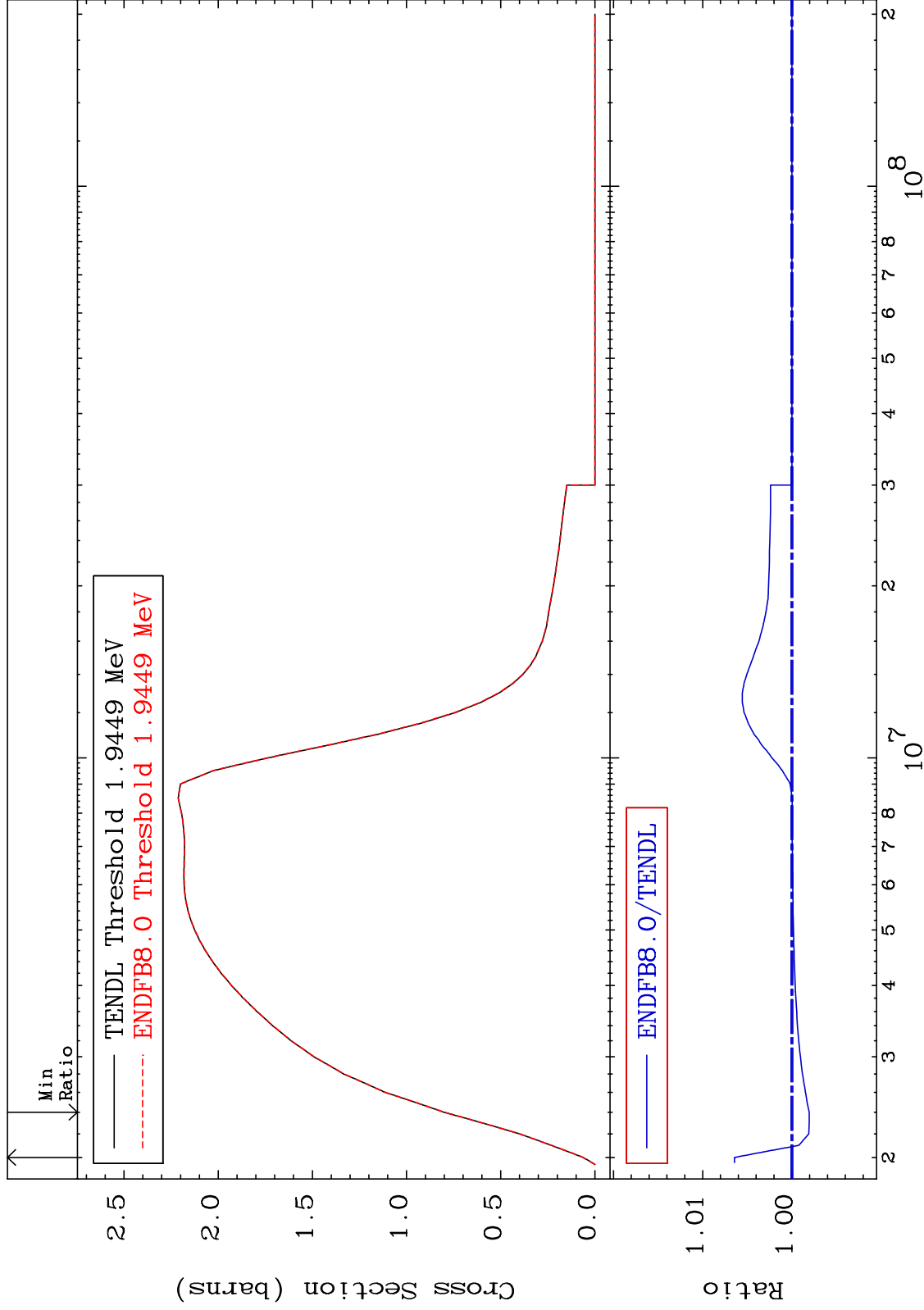
Incident Energy (eV)

78-Pt-192

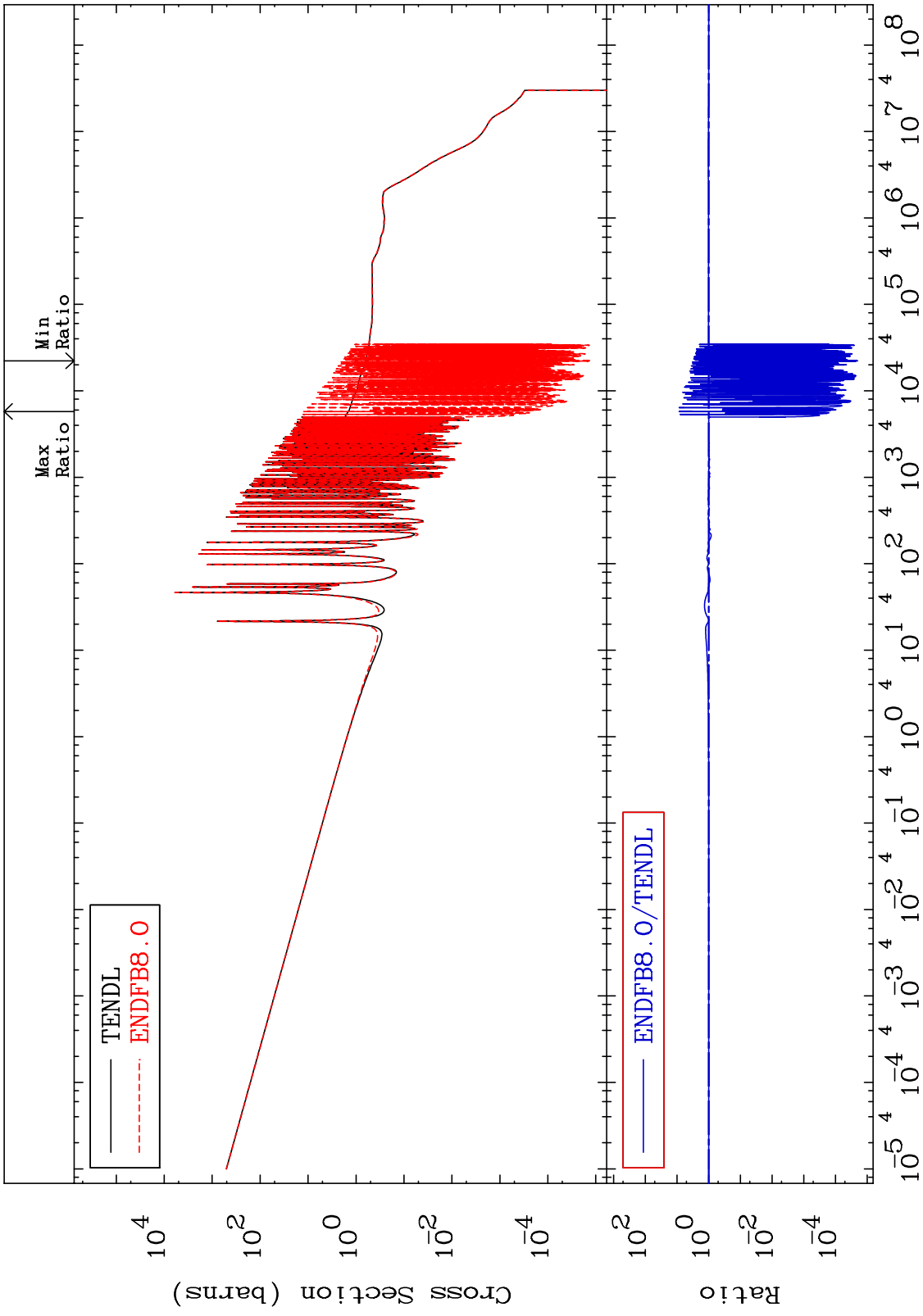
MAT 7831

(n, n') Continuum
Cross Section

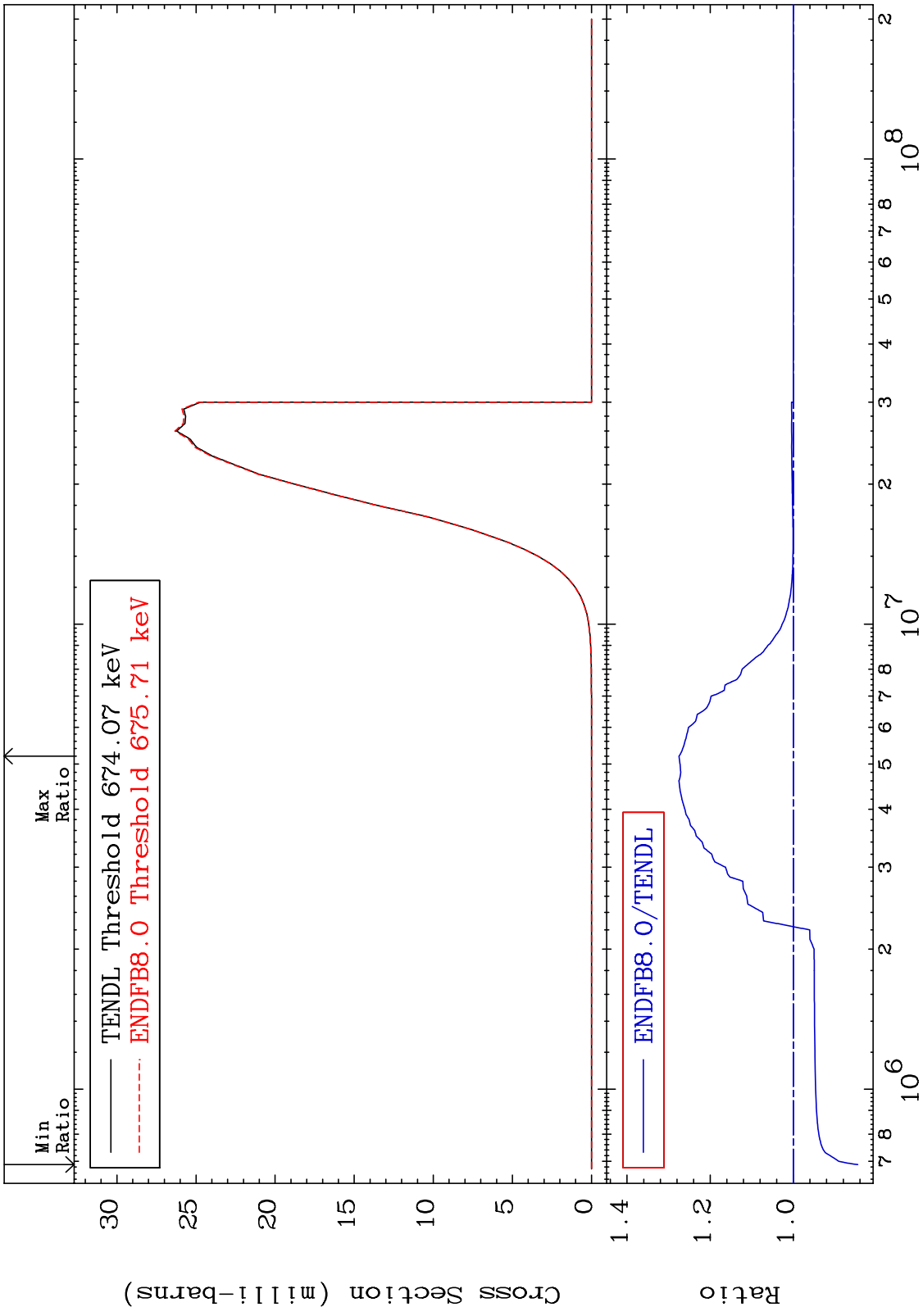
78-Pt-192
-0.195 To 0.643 %



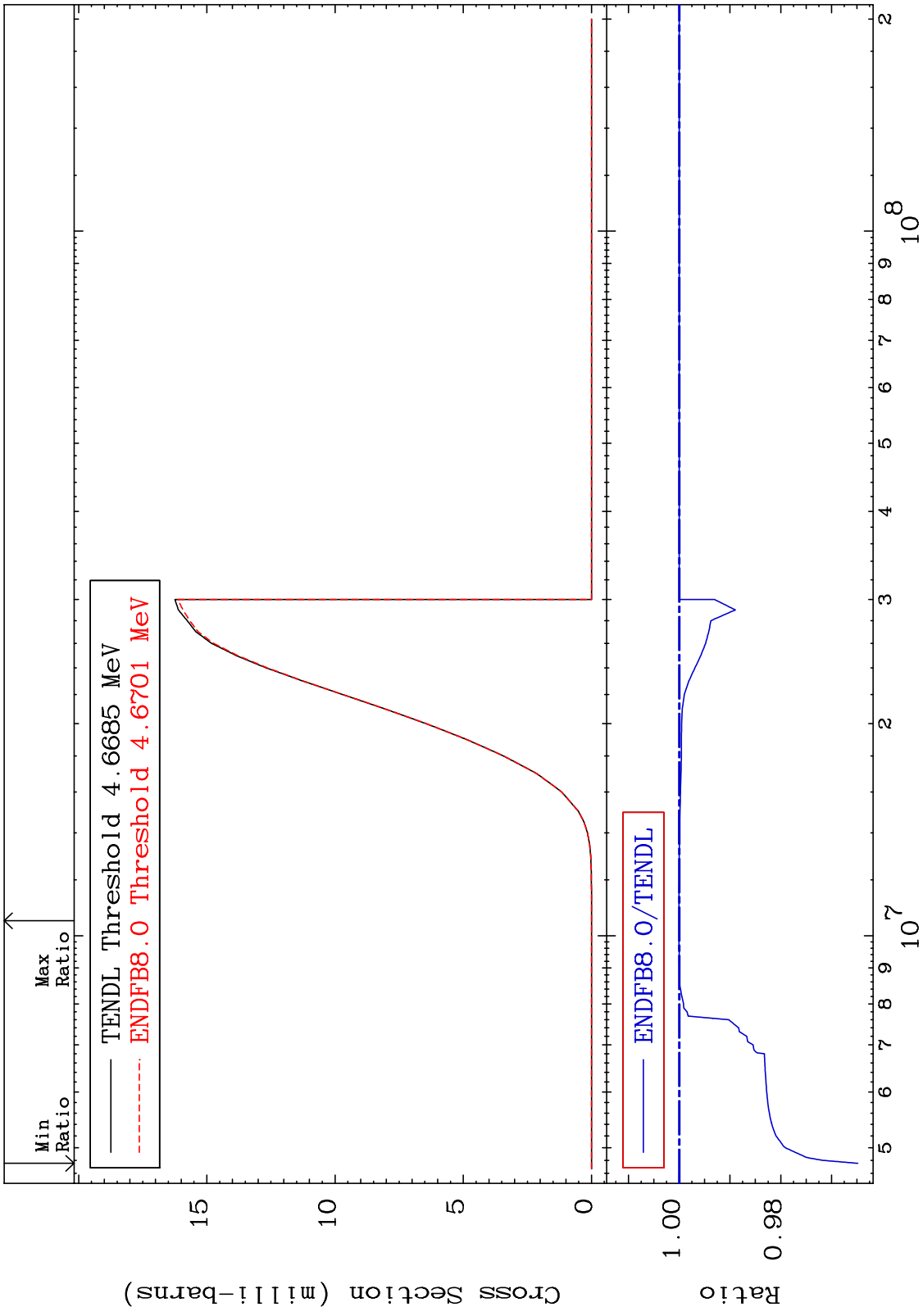
MAT 7831 78-Pt-192
-100.0 To 757.1 %
 (n, γ)
 Cross Section



MAT 7831 (n,p) Cross Section 78-Pt-192 -15.51 To 27.49 %

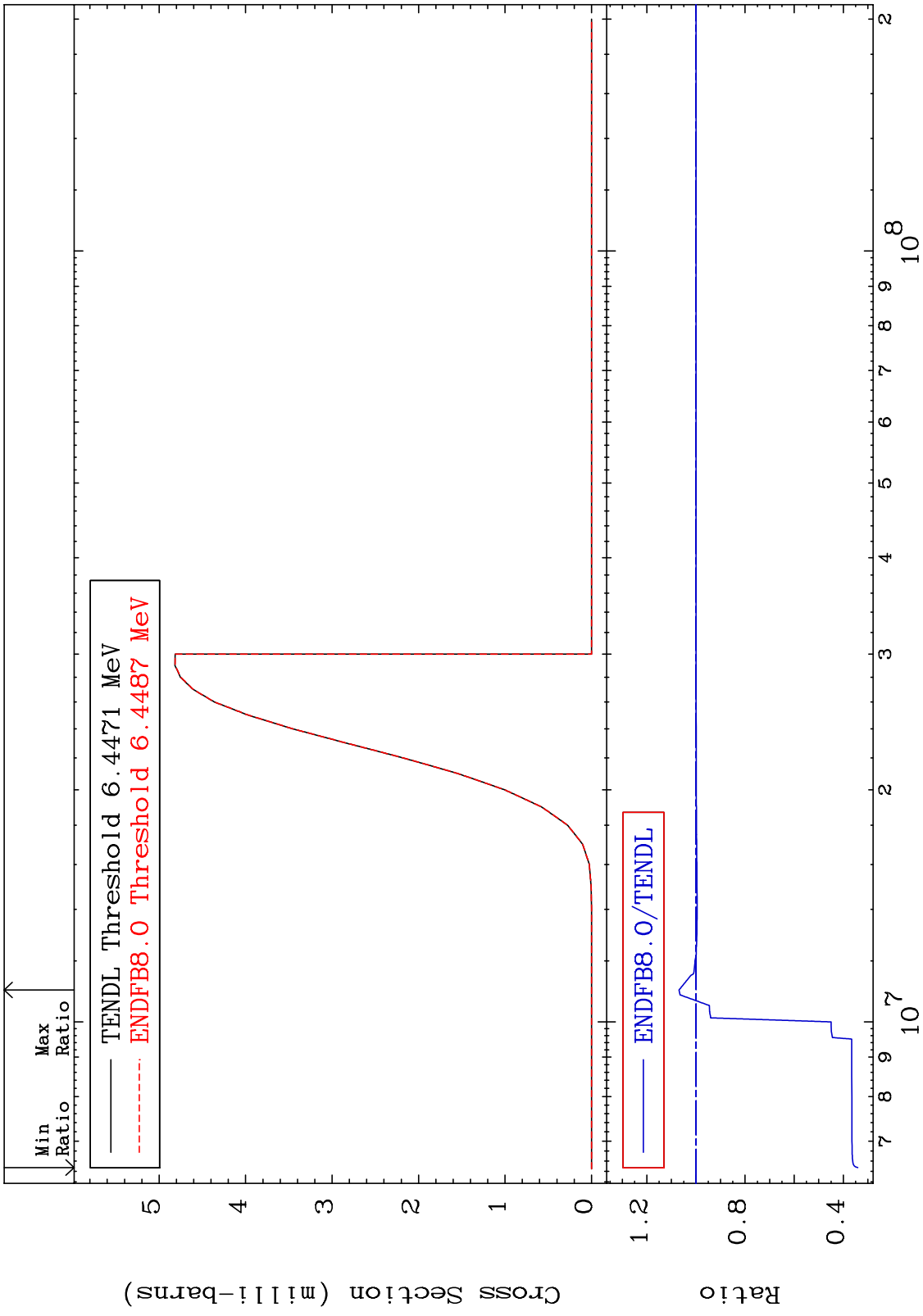


MAT 7831 (n,d) 78-Pt-192
 Cross Section -3.519 To 0.004 %



52 78-Pt-192

MAT 7831 (n,t) 78-Pt-192
 Cross Section -65.92 To 6.888 %



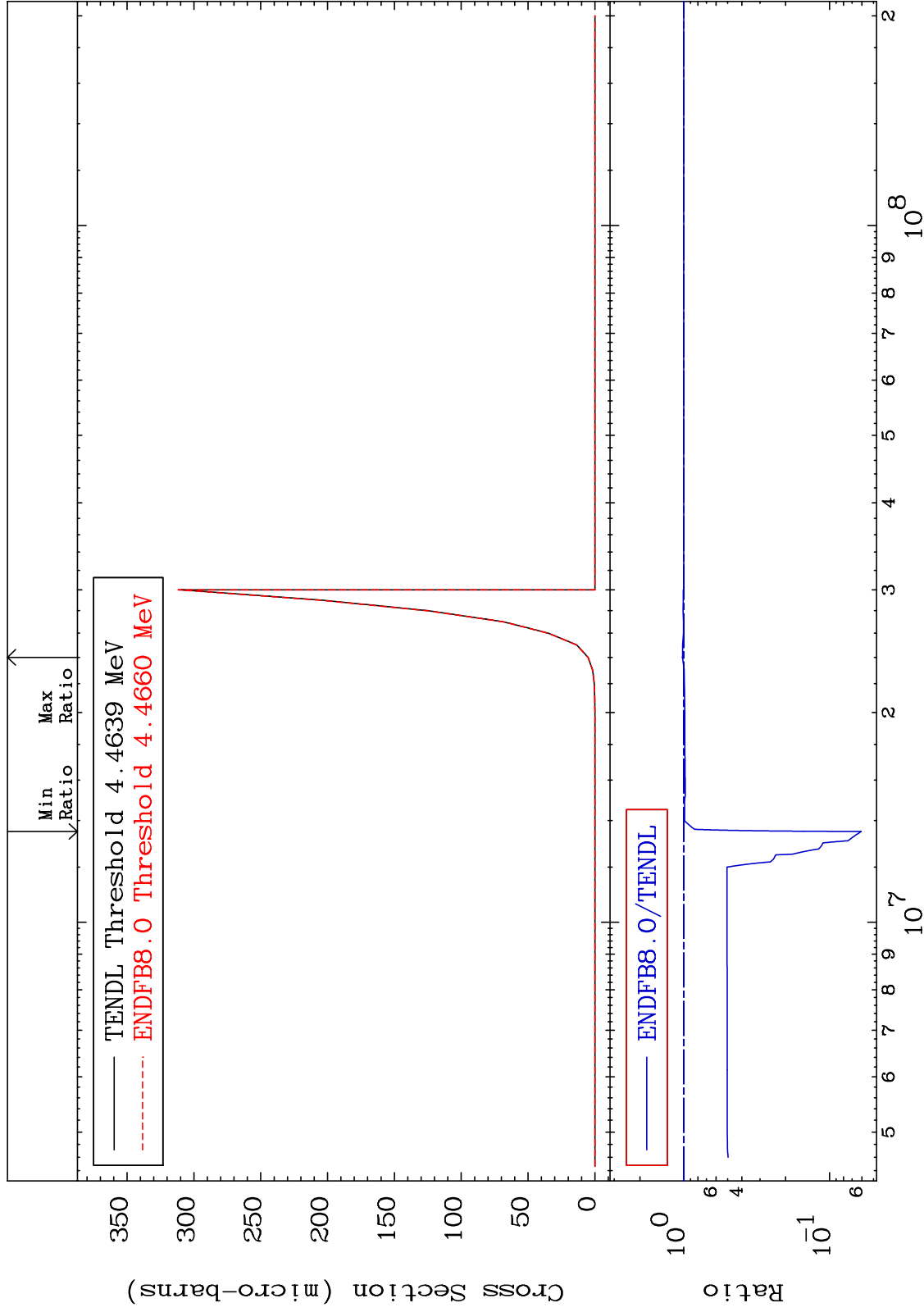
MAT 7831

(n, He-3)

78-Pt-192

Cross Section

-93.95 To 2.085 %



54

Incident Energy (eV)

78-Pt-192

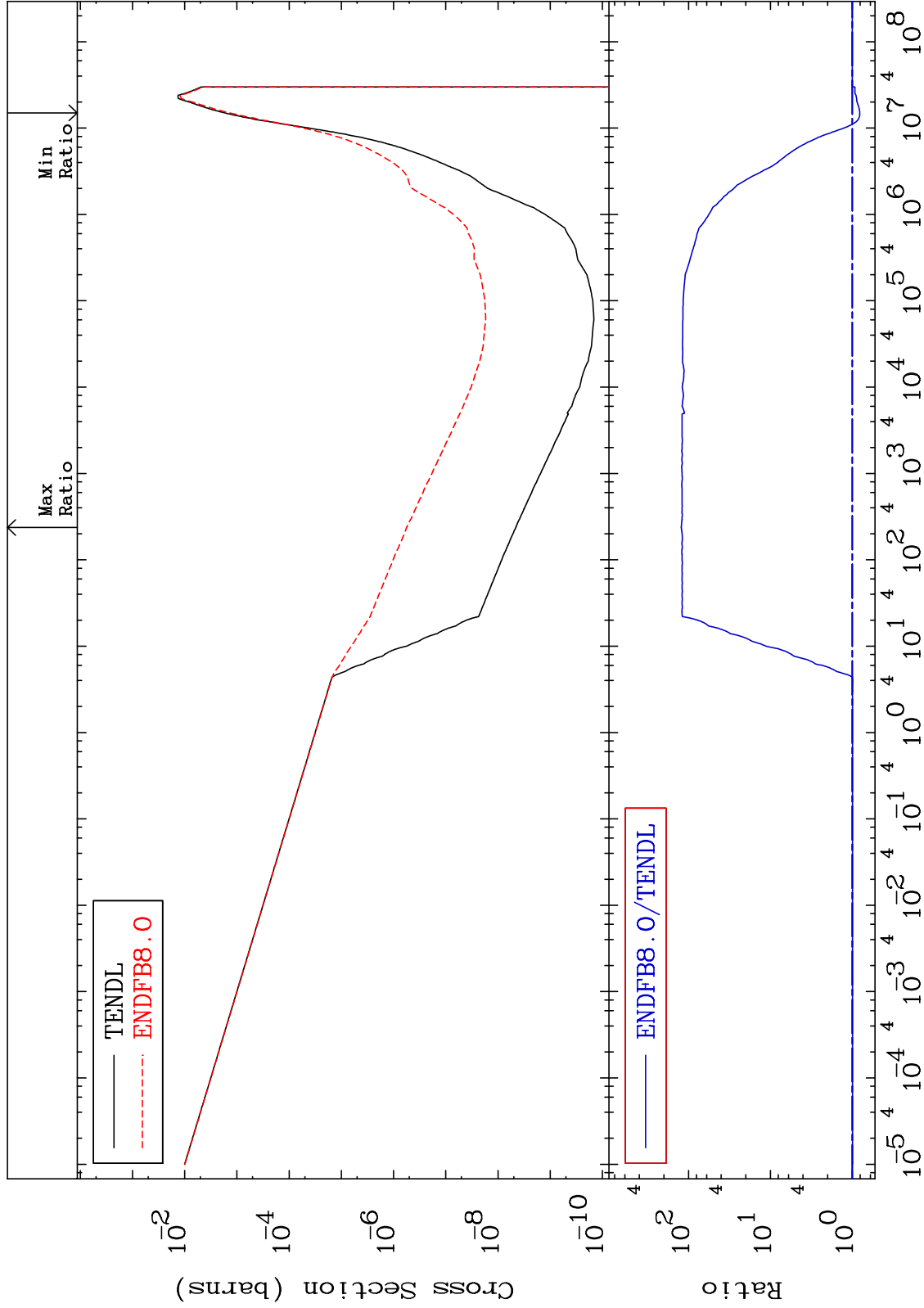
MAT 7831

(n, α)

78-Pt-192

-18.92 To 9999. %

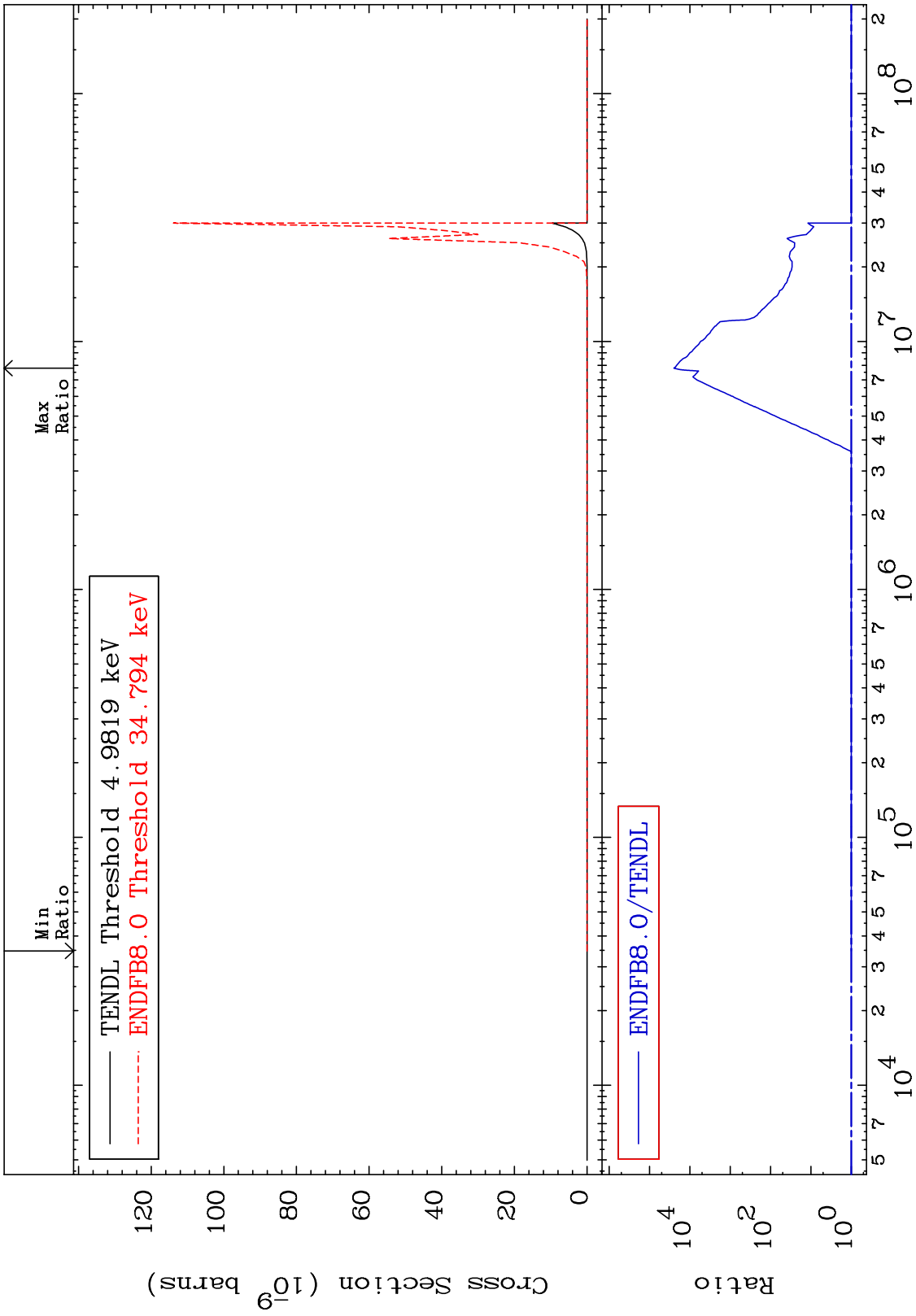
Cross Section



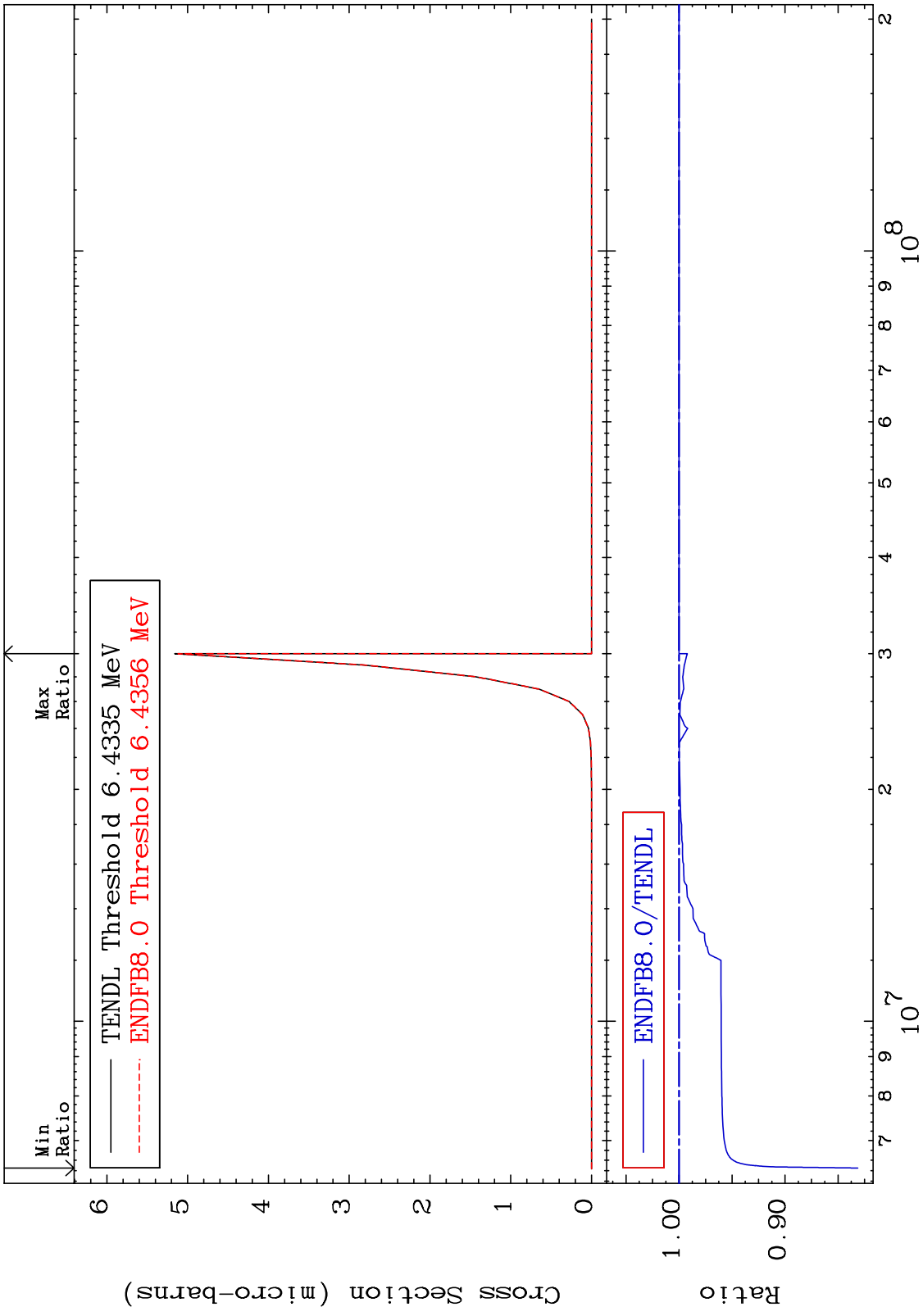
Incident Energy (eV)

78-Pt-192

MAT 7831 (n,2α) Cross Section 78-Pt-192 To 9999. %



MAT 7831 (n,2p) 78-Pt-192
 Cross Section -16.87 To 0.000 %



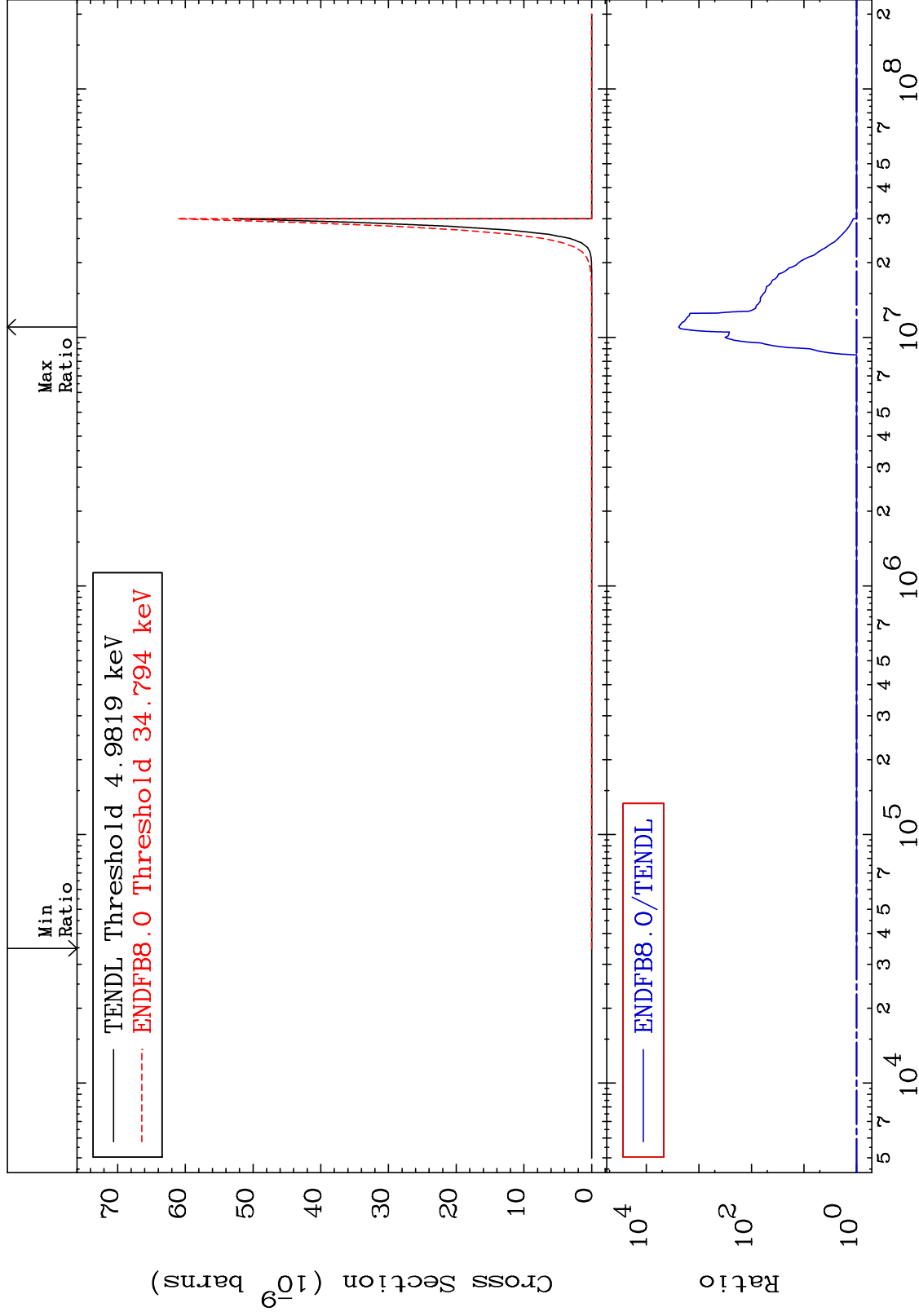
57 78-Pt-192

MAT 7831

(n,p) α

78-Pt-192
To 9999. %
0.000

Cross Section



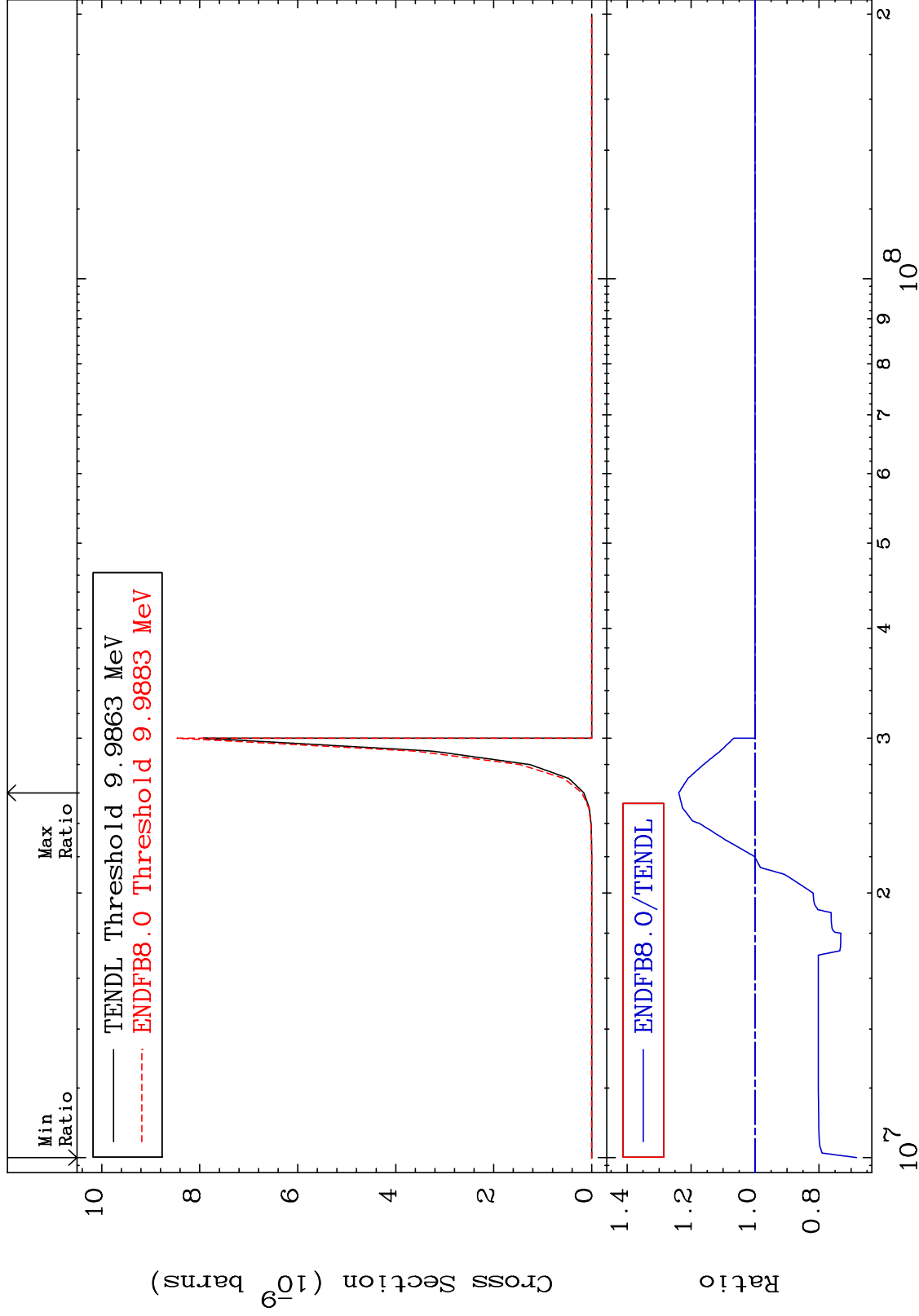
MAT 7831

(n,p) d

78-Pt-192

Cross Section

-31.75 To 23.86 %



59

Incident Energy (eV)

78-Pt-192

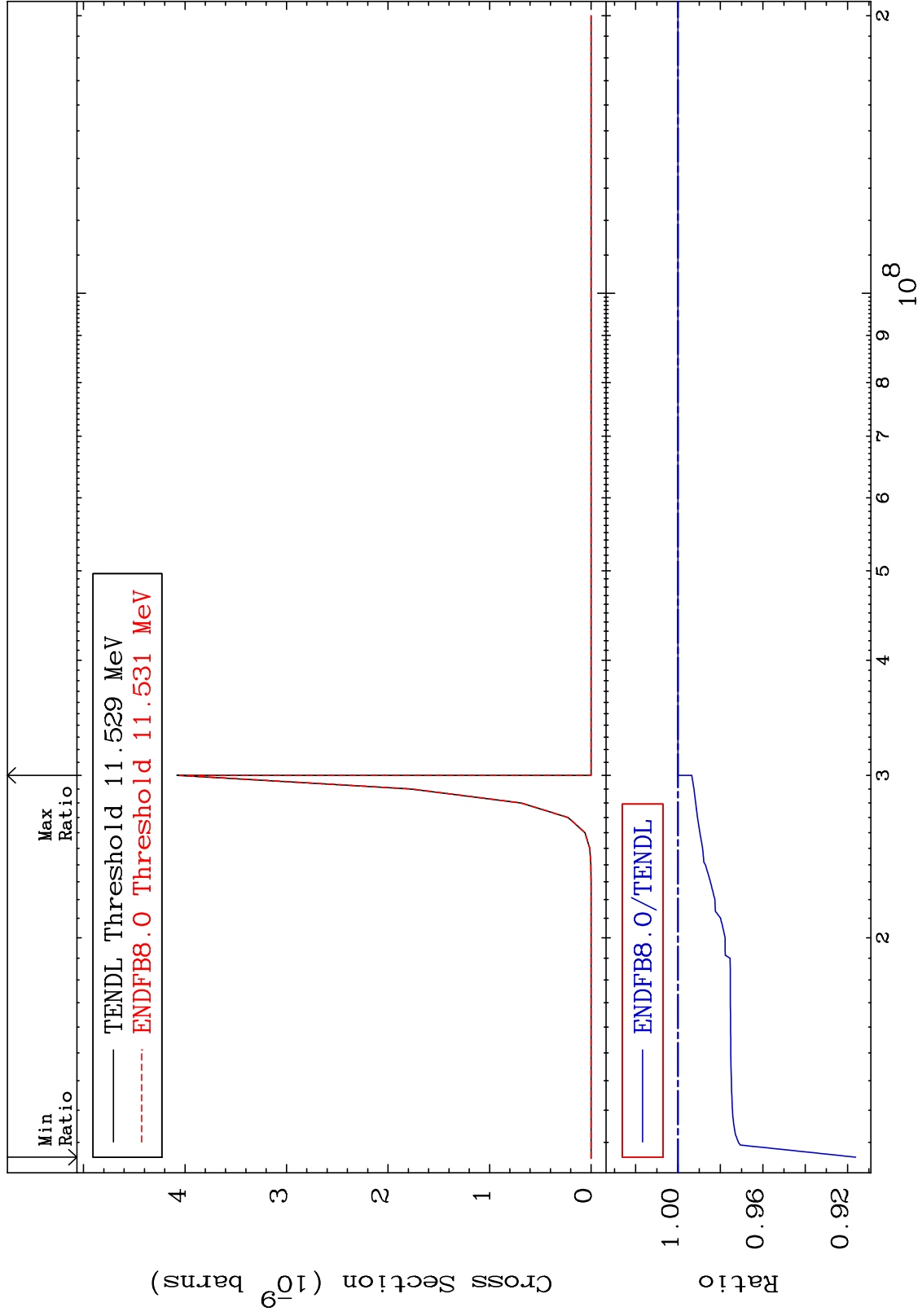
MAT 7831

(n,p) t

78-Pt-192

Cross Section

-8.382 To 0.000 %



60

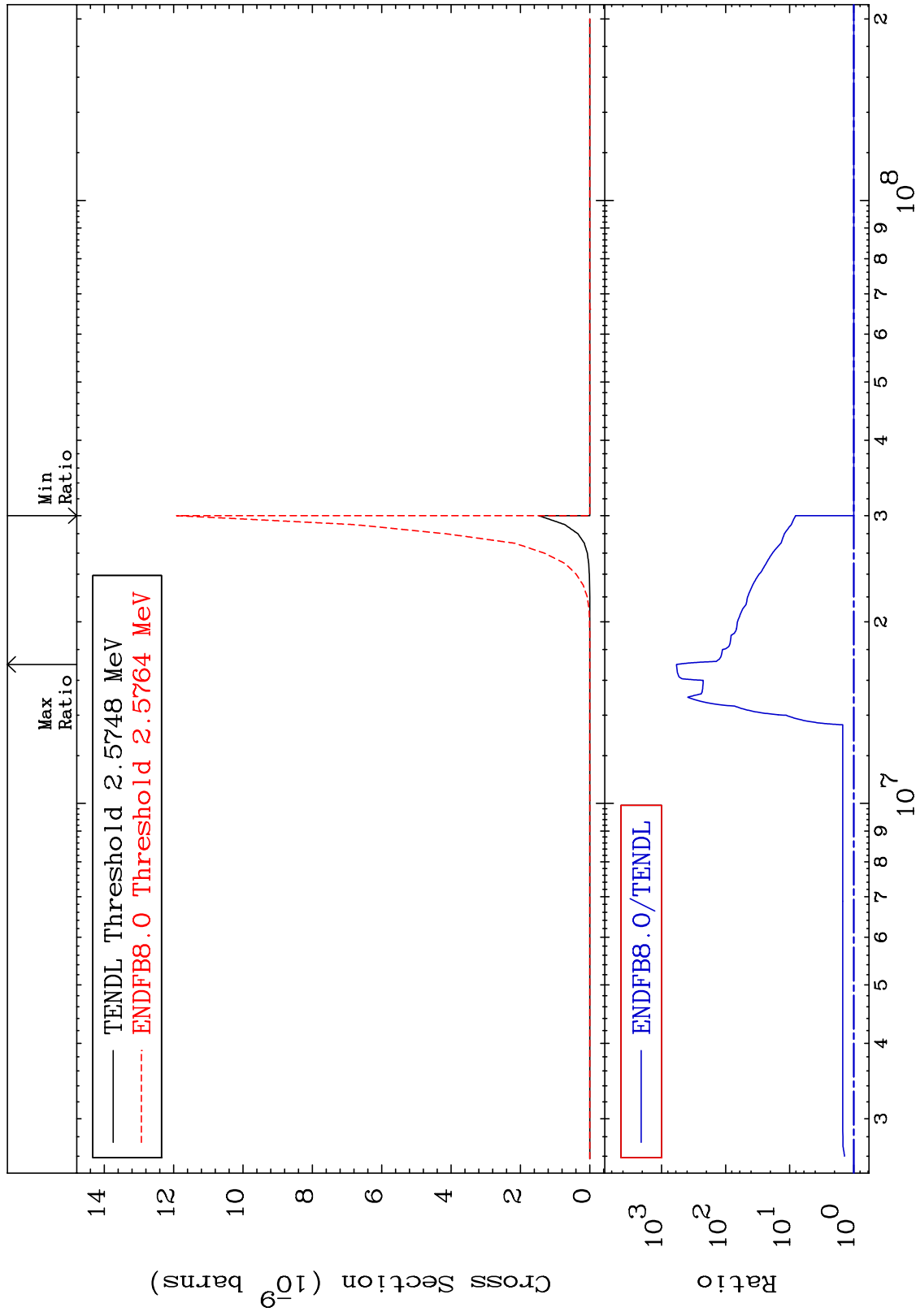
Incident Energy (eV)

78-Pt-192

MAT 7831

(n,d) α

78-Pt-192
To 9999. %
0.000



61

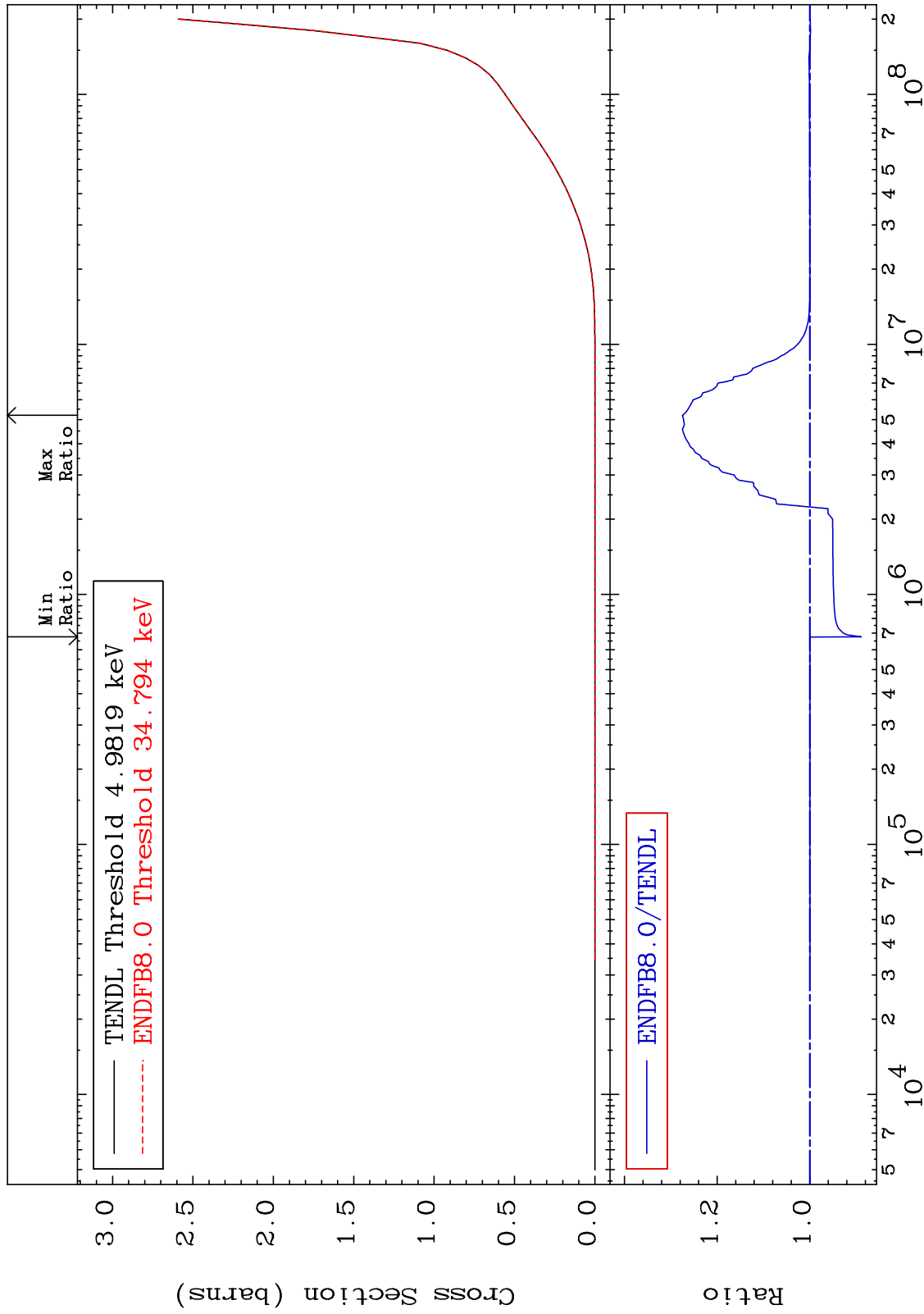
Incident Energy (eV)

78-Pt-192

MAT 7831

Hydrogen Production
Cross Section

78-Pt-192
-11.13 To 27.49 %



62

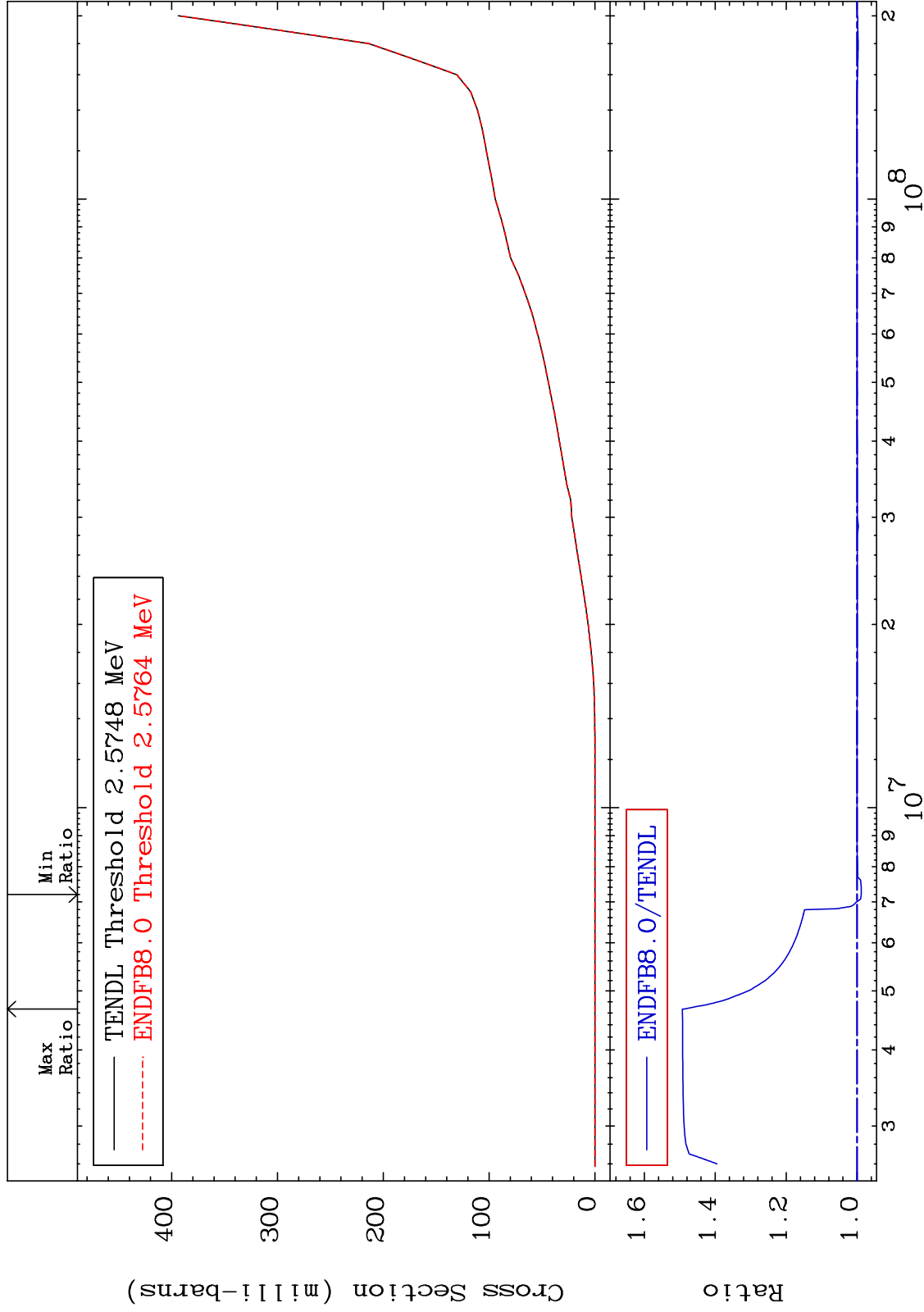
Incident Energy (eV)

78-Pt-192

MAT 7831

Deuterium Production
Cross Section

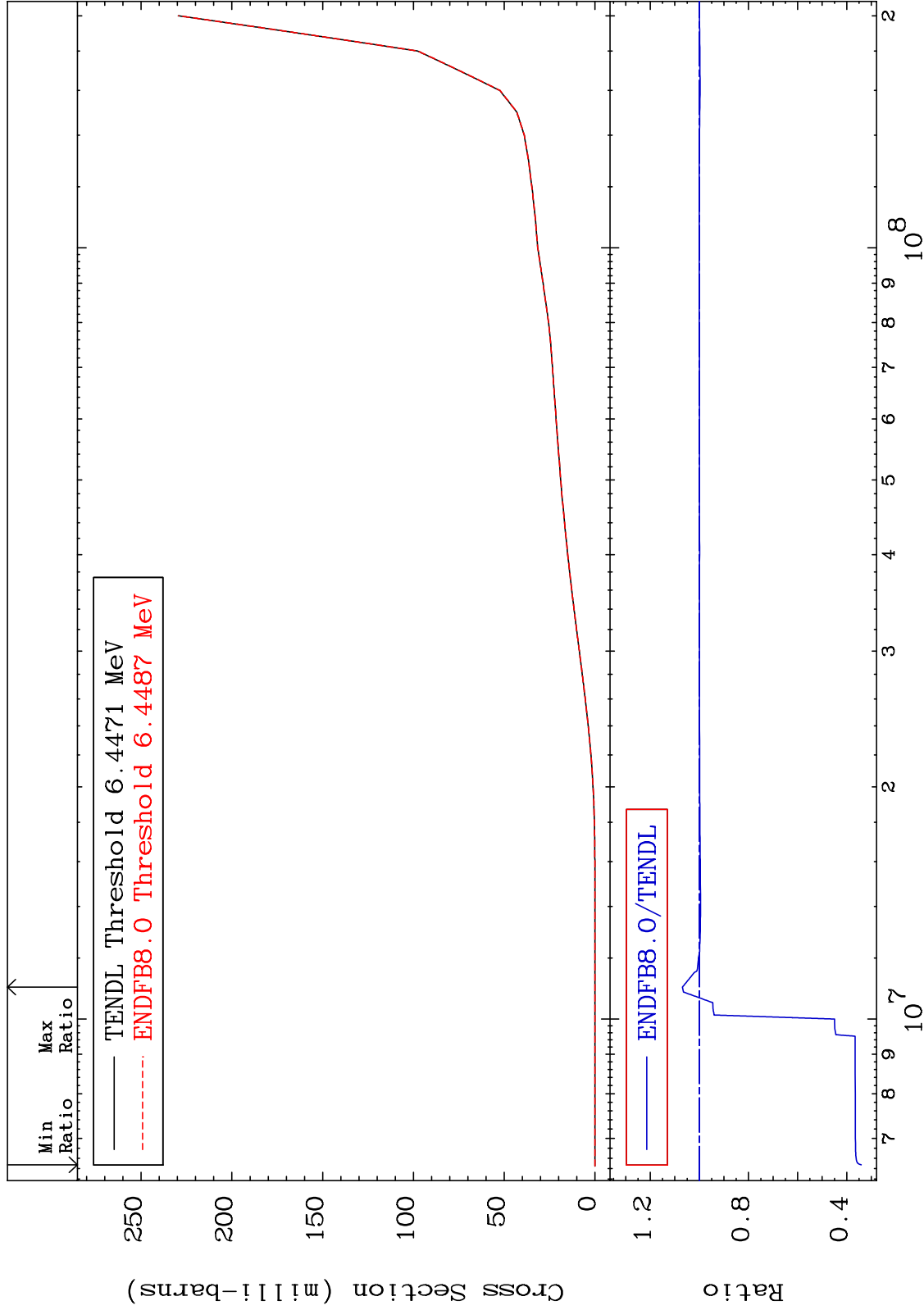
78-Pt-192
-1.166 To 49.25 %



MAT 7831

Tritium Production
Cross Section

78-Pt-192
-65.92 To 6.888 %



64

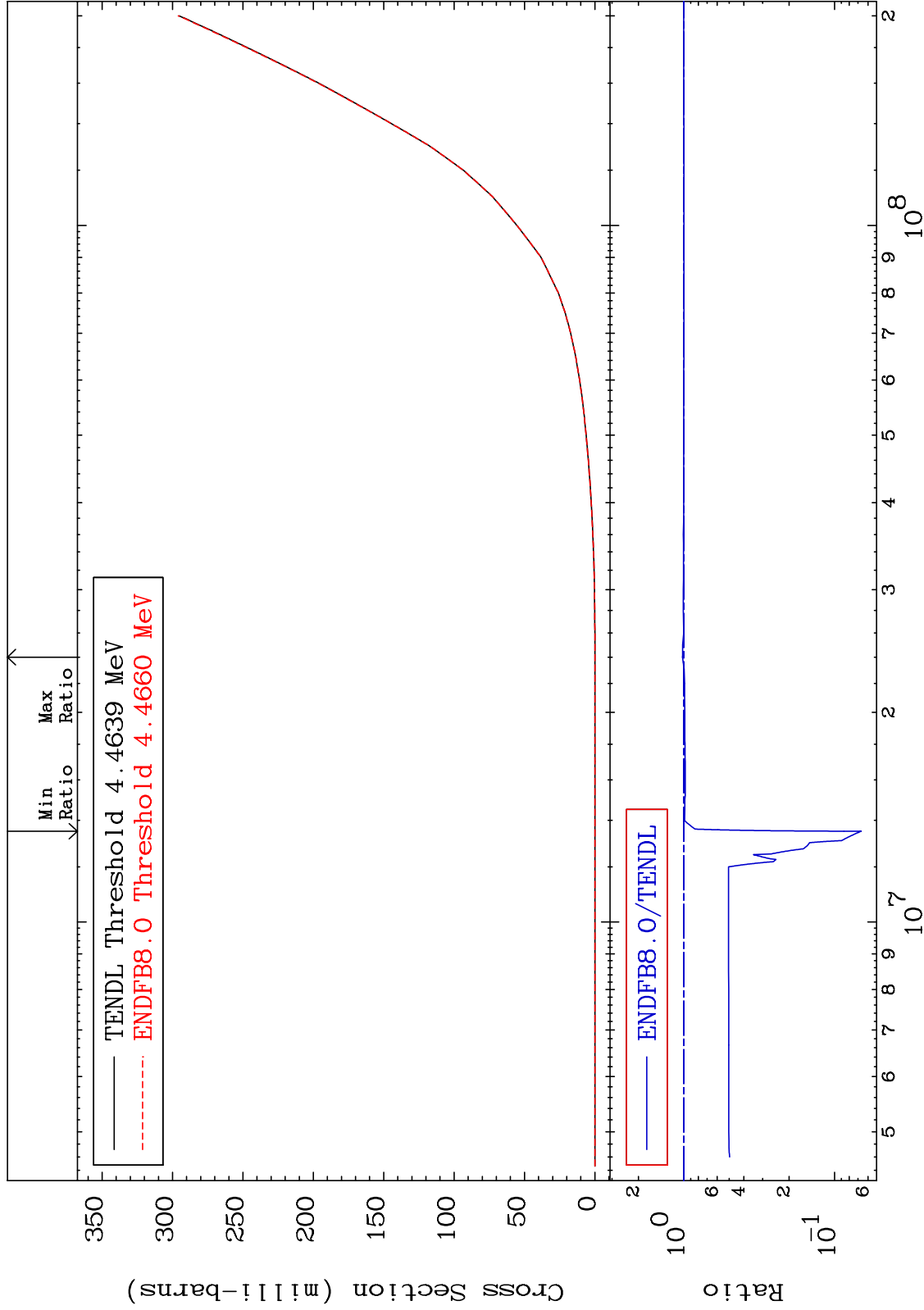
Incident Energy (eV)

78-Pt-192

MAT 7831

He-3 Production
Cross Section

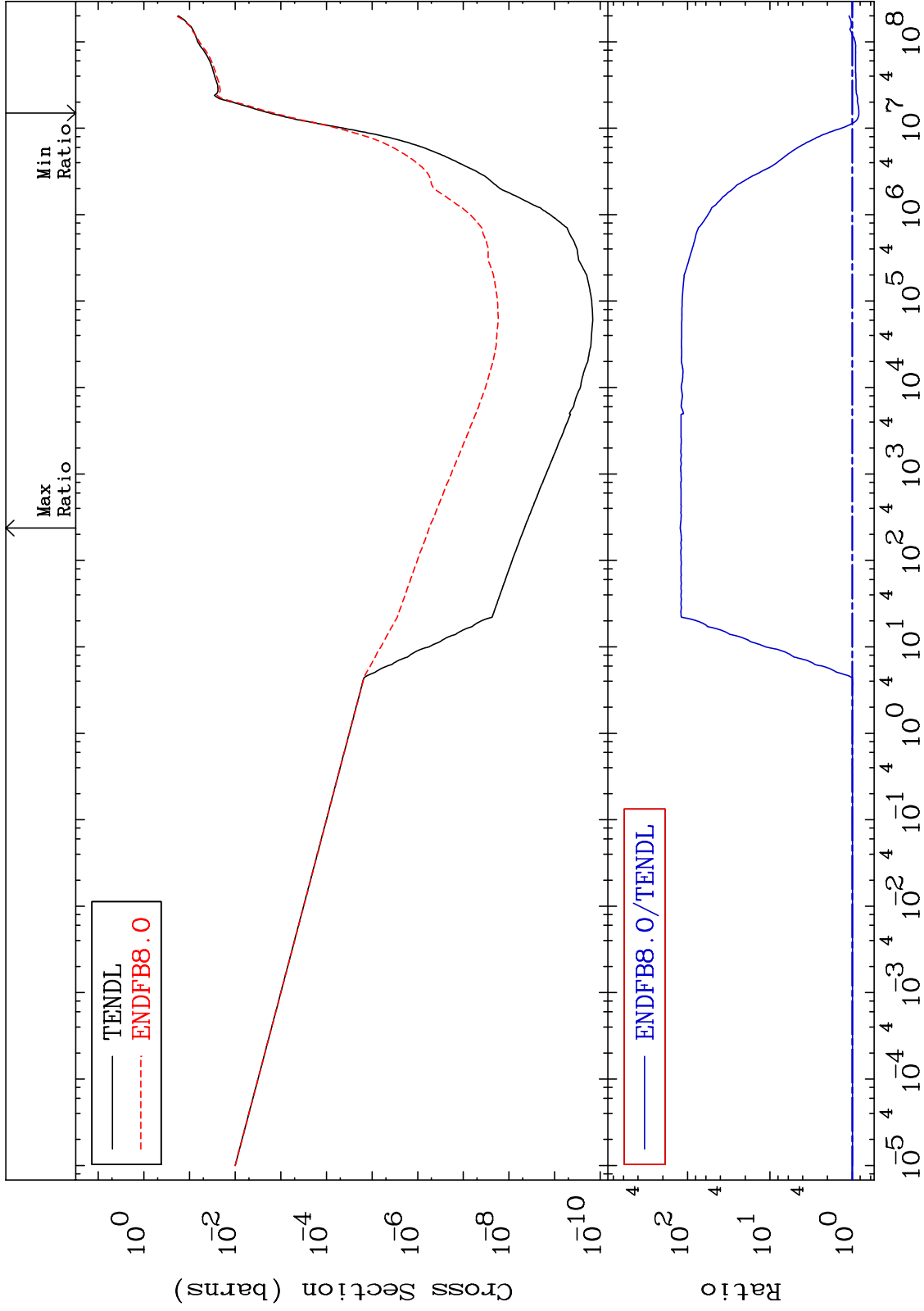
78-Pt-192
-93.35 To 2.085 %



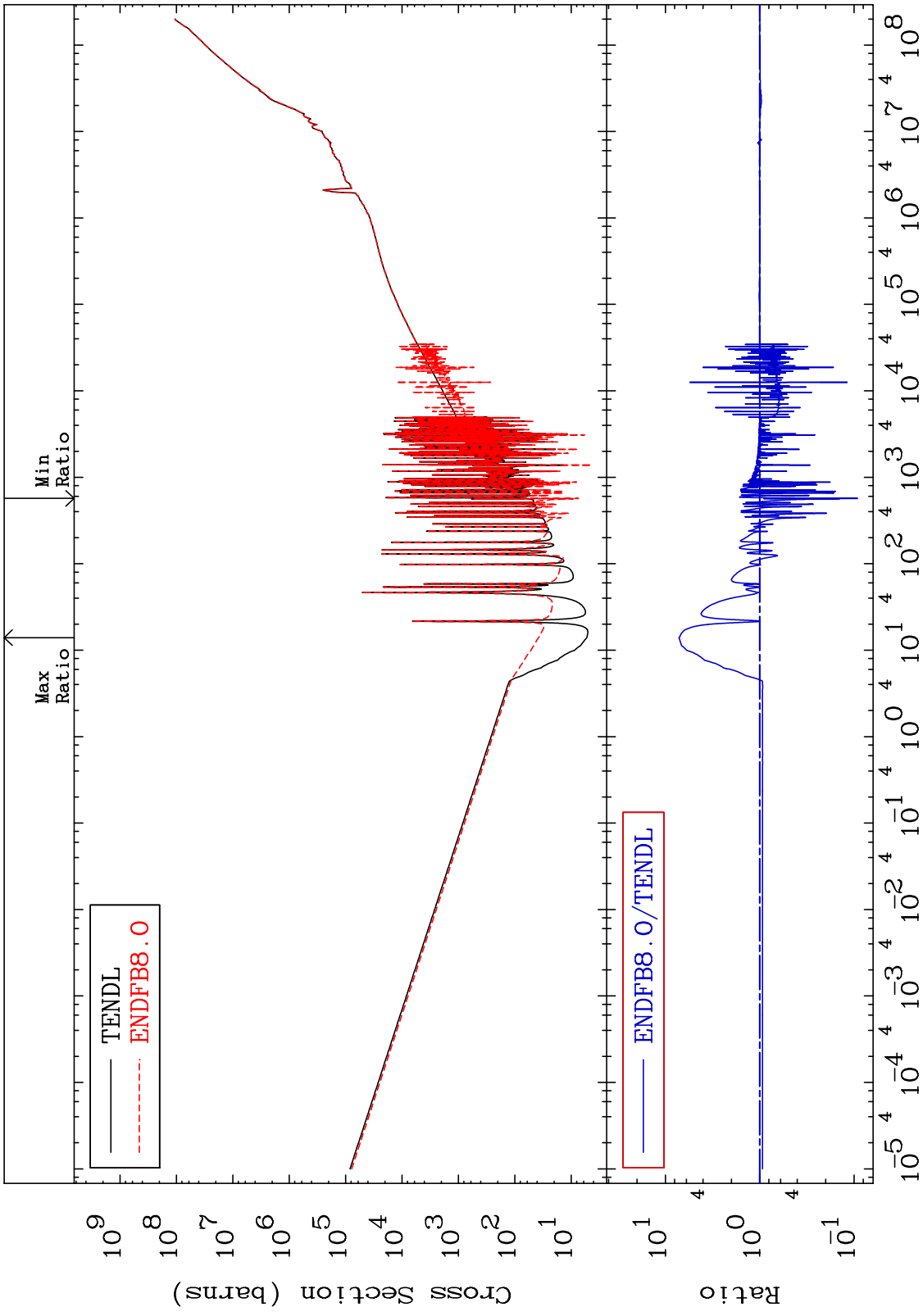
MAT 7831

He-4 Production
Cross Section

78-Pt-192
-16.90 To 9999. %



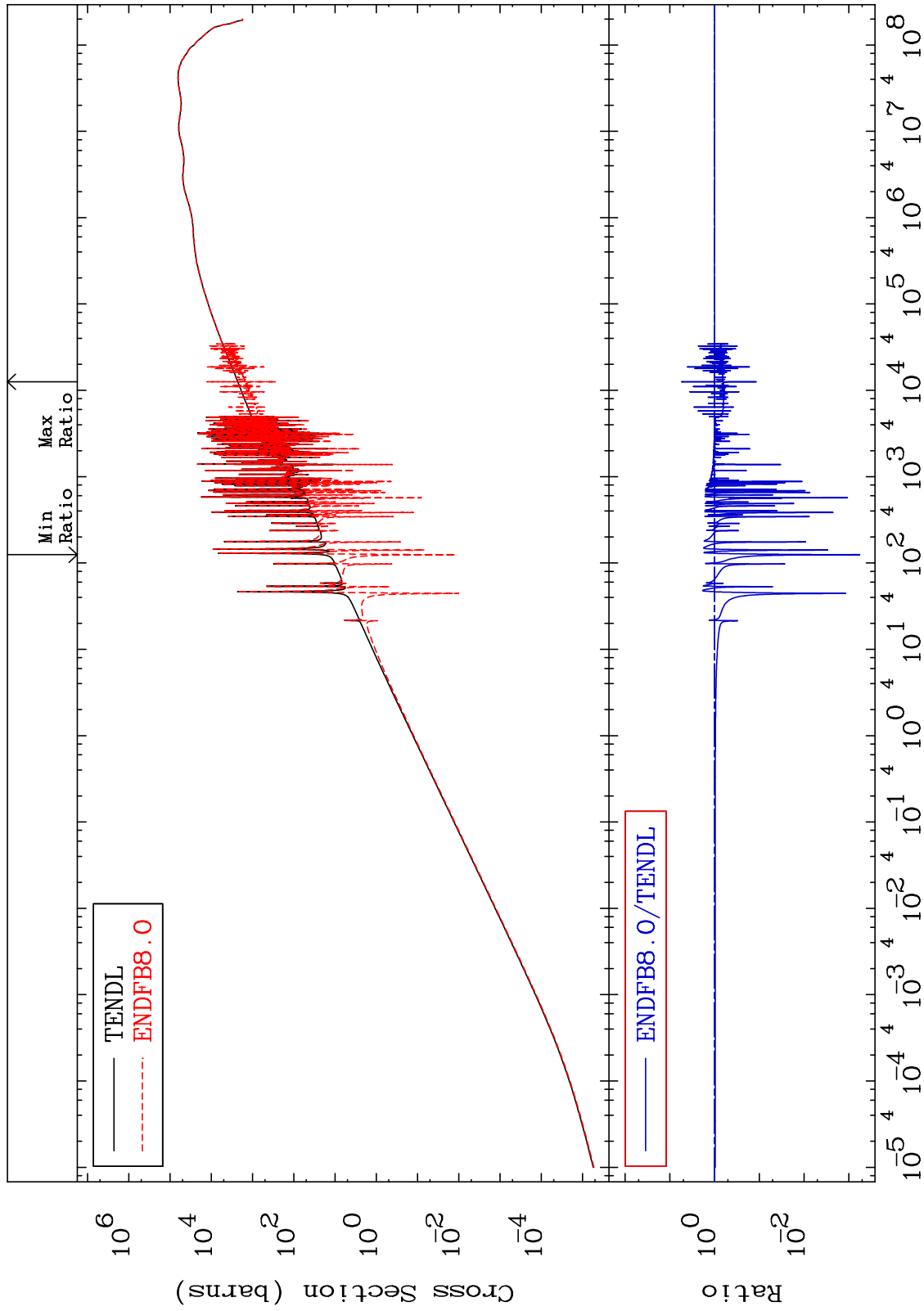
MAT 7831 Kerma total (eV-barns) 78-Pt-192
 Cross Section -90.89 To 617.3 %



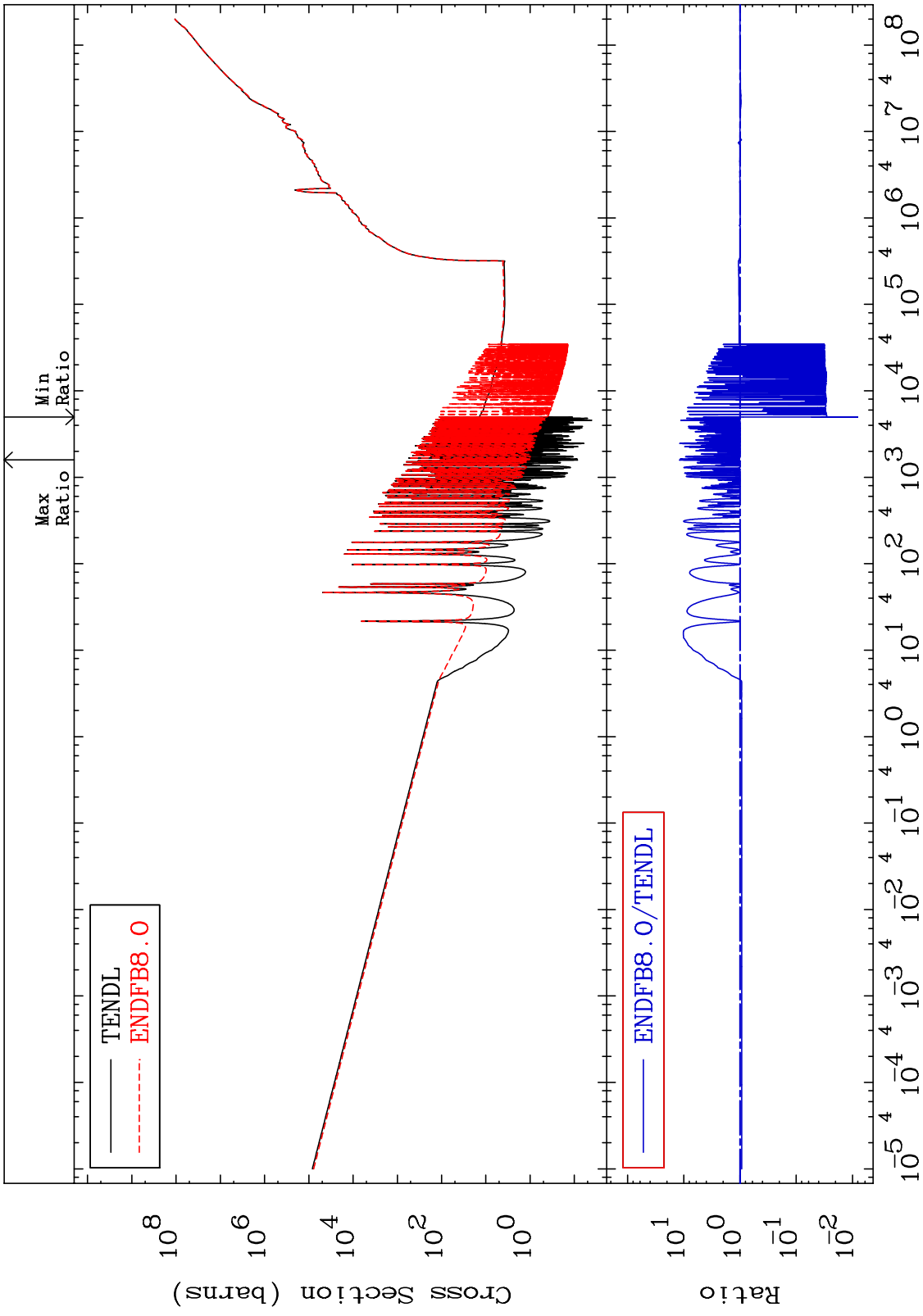
MAT 7831

Kerma elastic
Cross Section

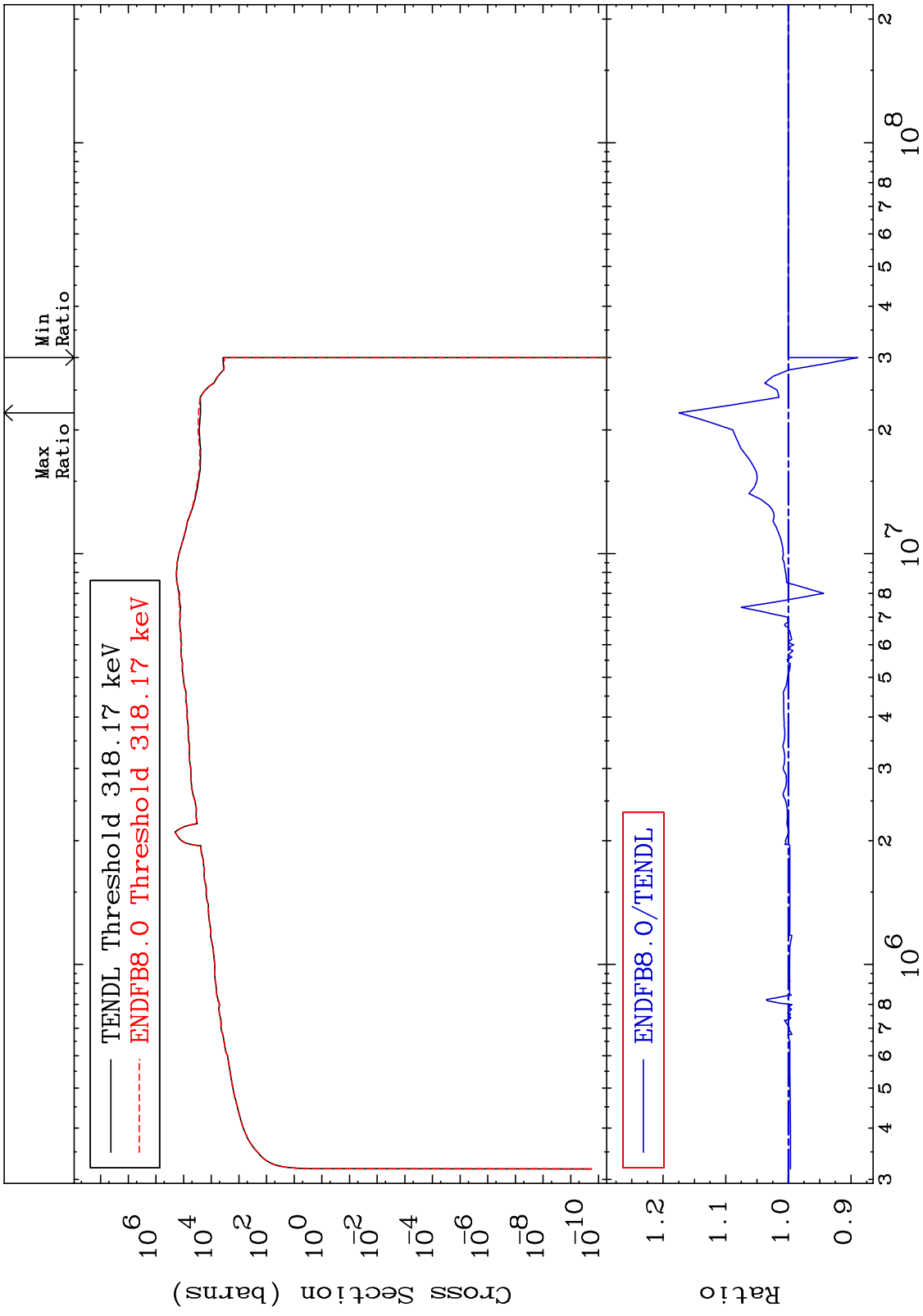
78-Pt-192
-99.94 To 454.4 %



MAT 7831 Kerma non-elastic (all but mt2) Cross Section 78-Pt-192
 -99.20 To 1118. %

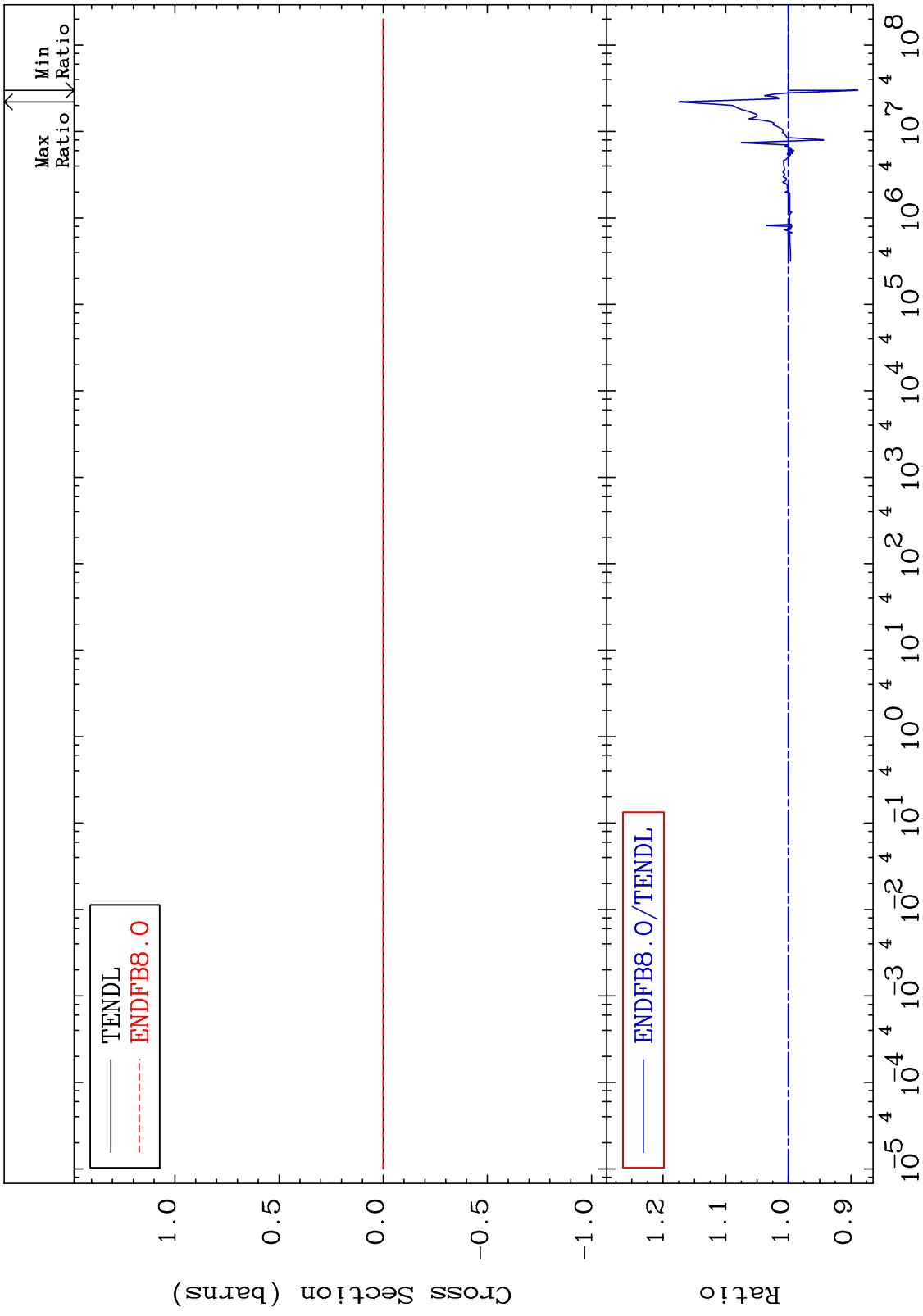


MAT 7831 Kerma inelastic (mt51-91) 78-Pt-192
 Cross Section -11.09 To 17.45 %



70 78-Pt-192

MAT 7831 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-192
 Cross Section -11.09 To 17.45 %

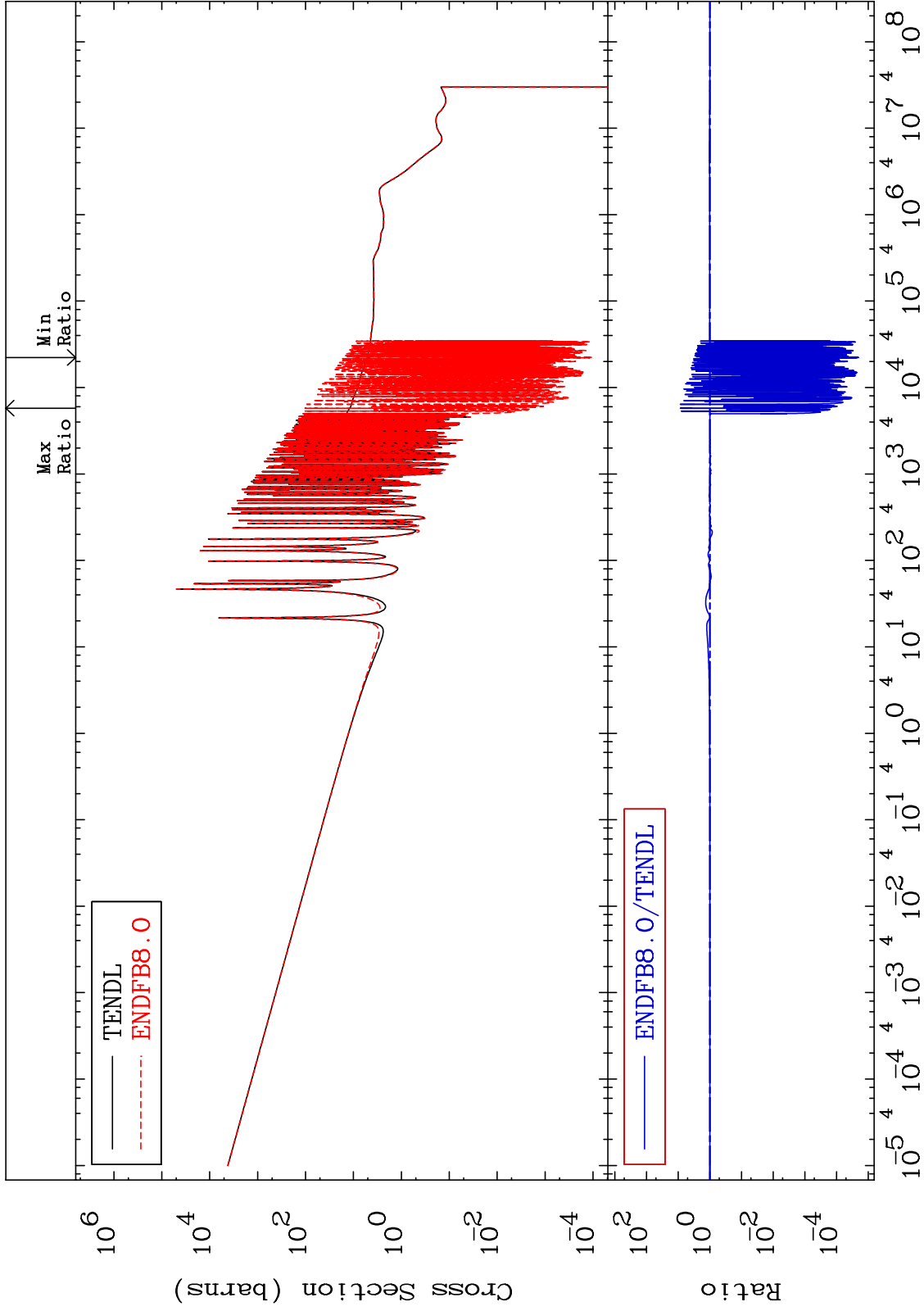


71 78-Pt-192

MAT 7831

Kerma capture (mt102)
Cross Section

78-Pt-192
-100.0 To 756.9 %

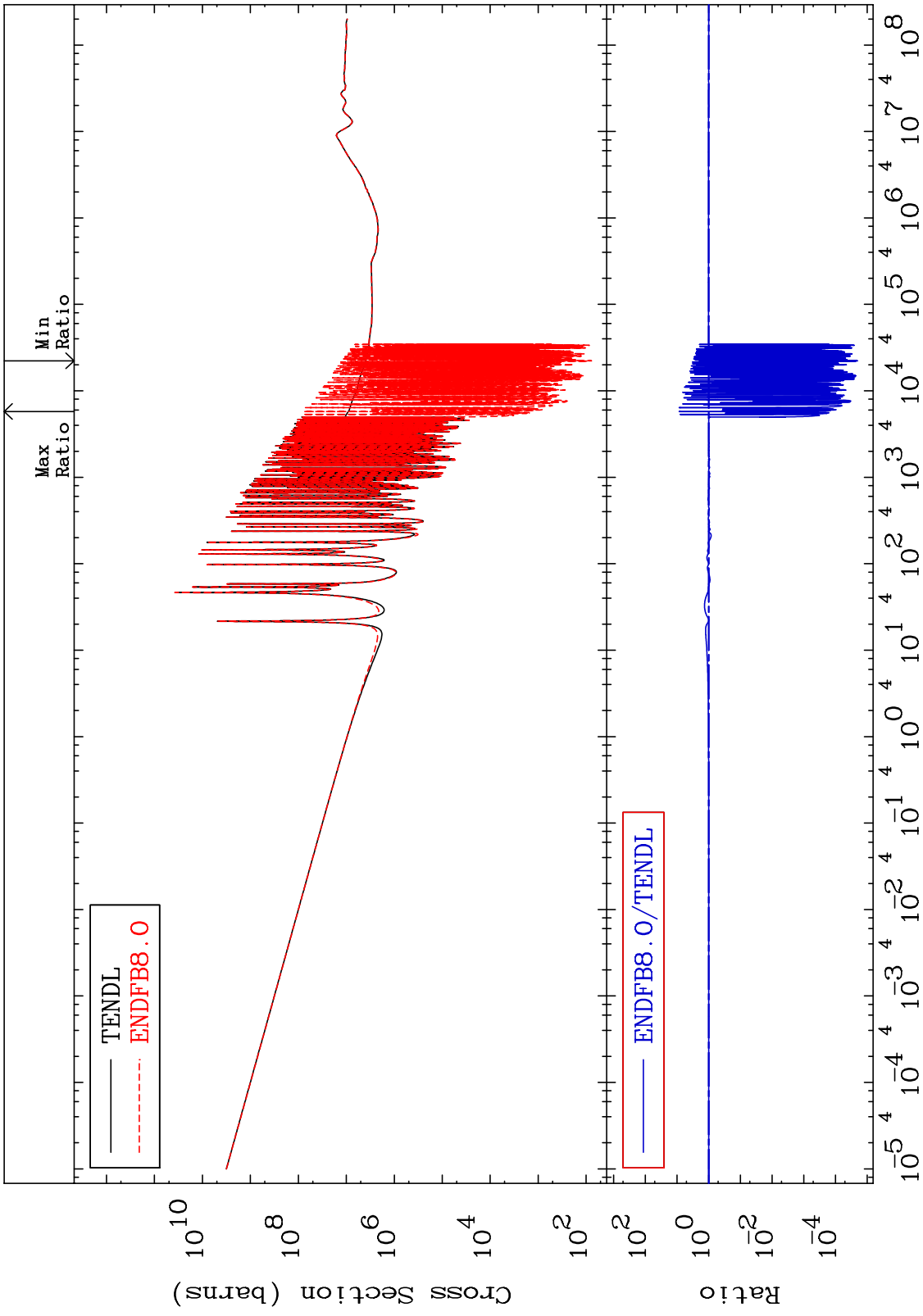


72

Incident Energy (eV)

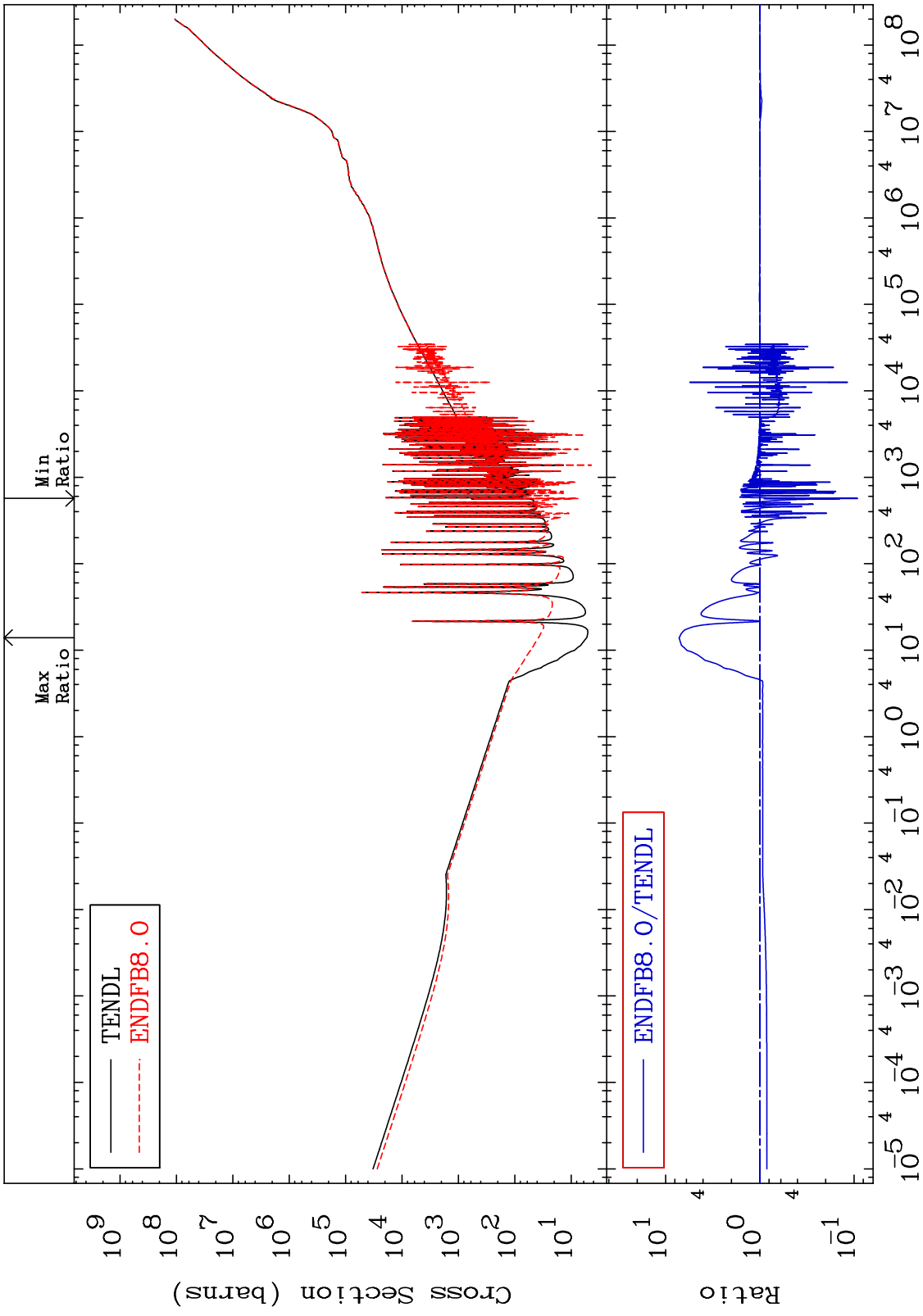
78-Pt-192

MAT 7831 78-Pt-192
 Total photon (eV-barns) -100.0 To 756.9 %
 Cross Section



73 78-Pt-192

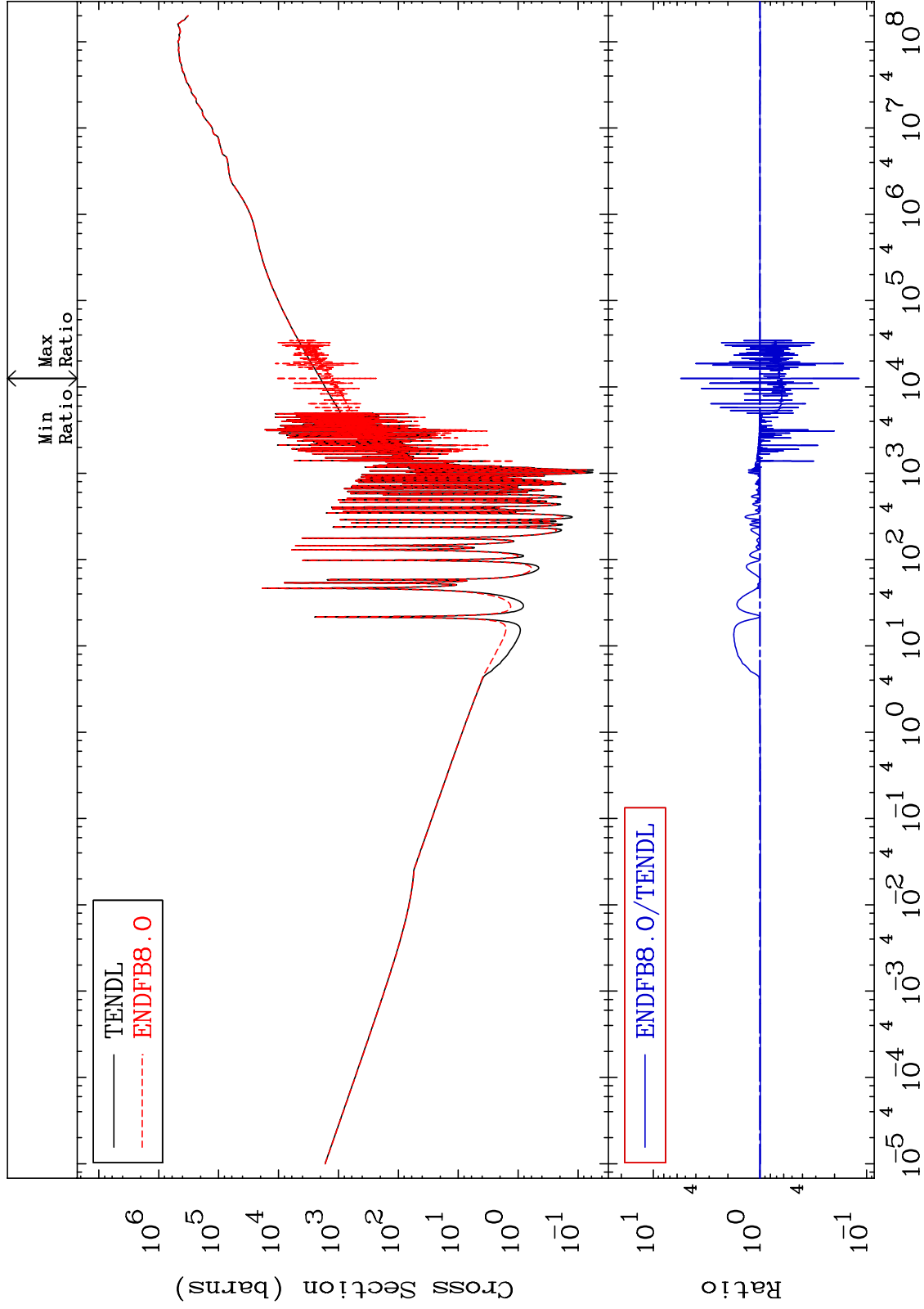
MAT 7831 Total kinematic kerma (high limit) 78-Pt-192
 -90.87 To 620.0 %
 Cross Section



MAT 7831

Dpa total (eV-barns)
Cross Section

78-Pt-192
-88.21 To 455.0 %



75

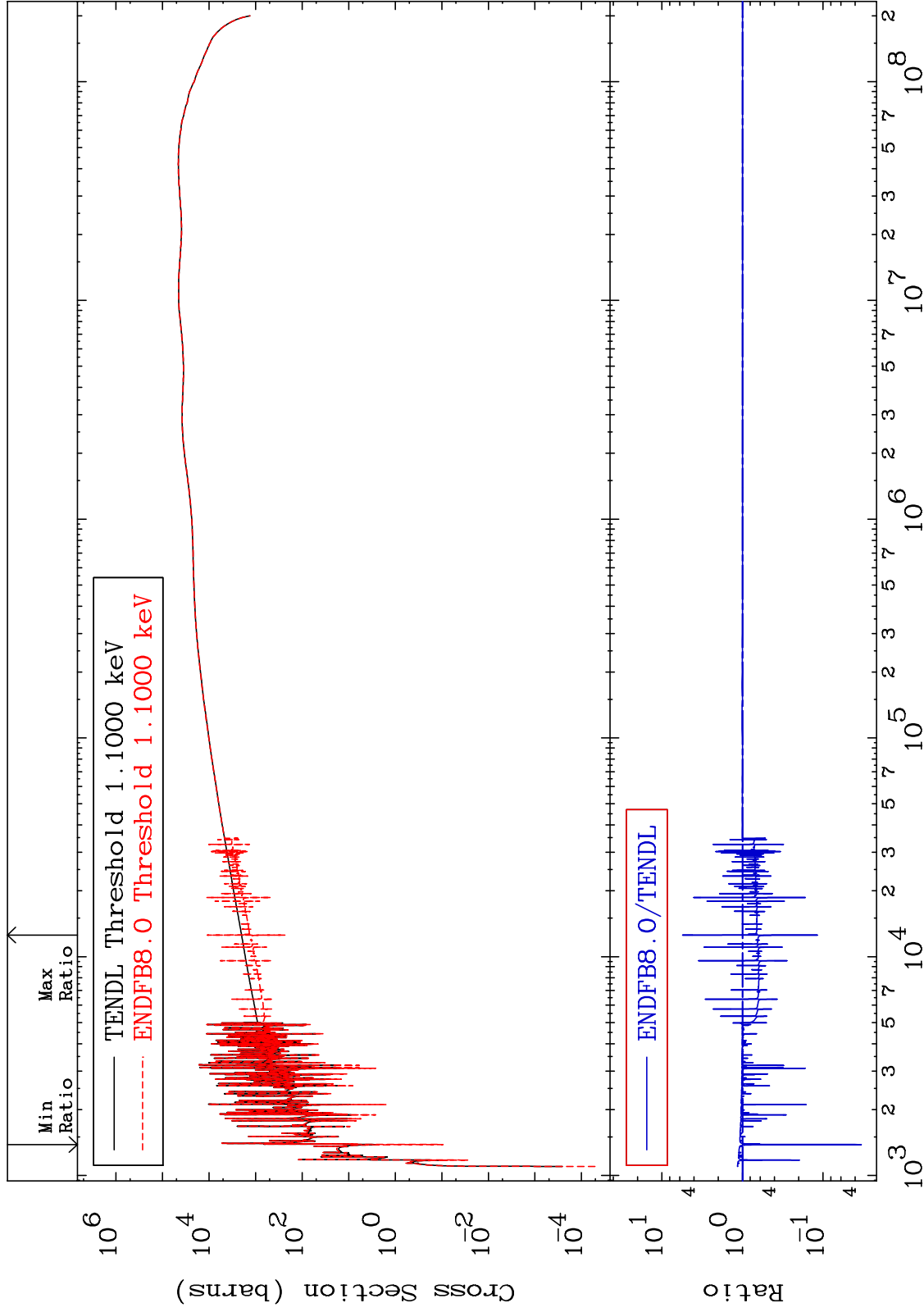
Incident Energy (eV)

78-Pt-192

MAT 7831

Dpa elastic (mt2)
Cross Section

78-Pt-192
-96.65 To 455.2 %

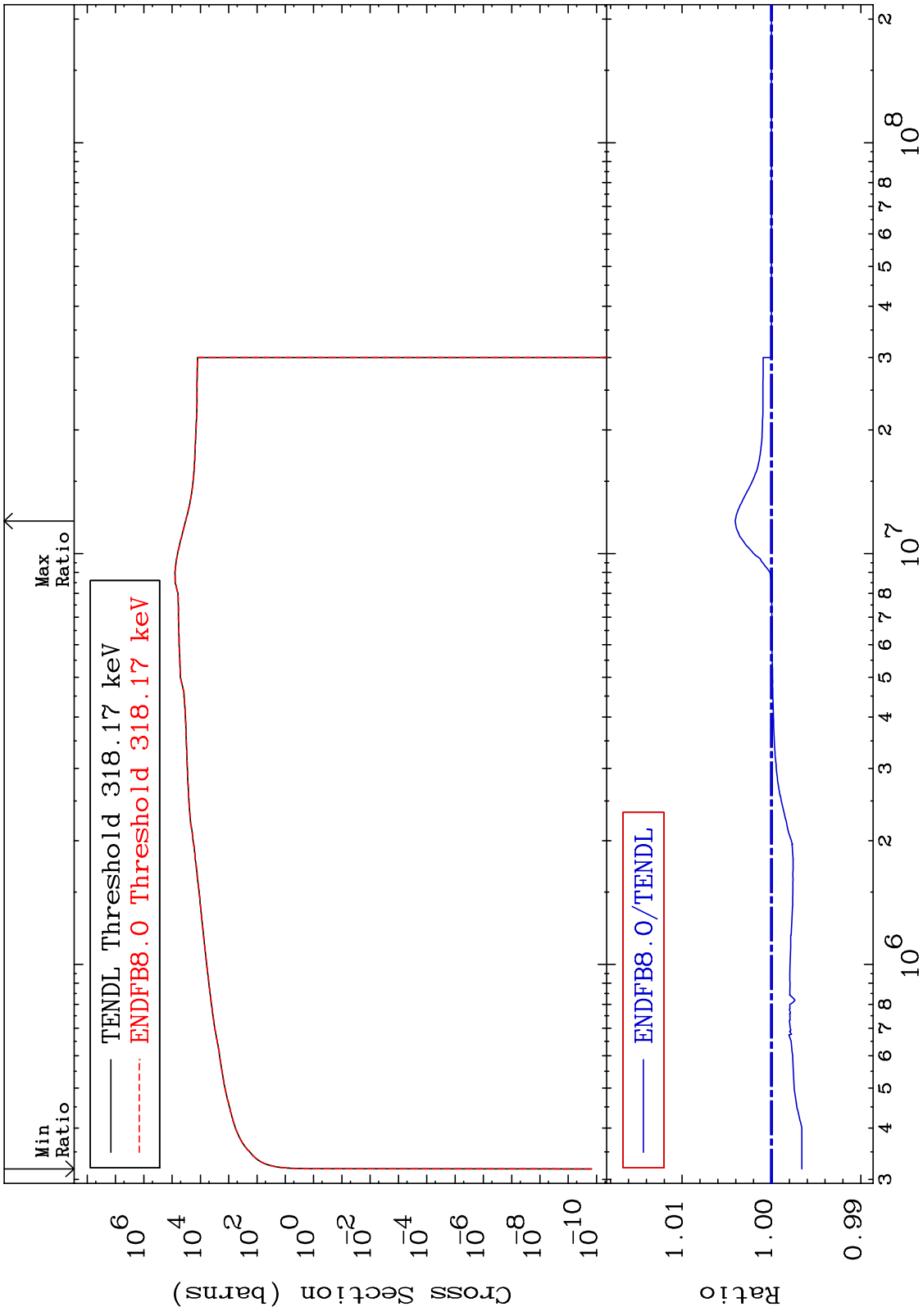


76

Incident Energy (eV)

78-Pt-192

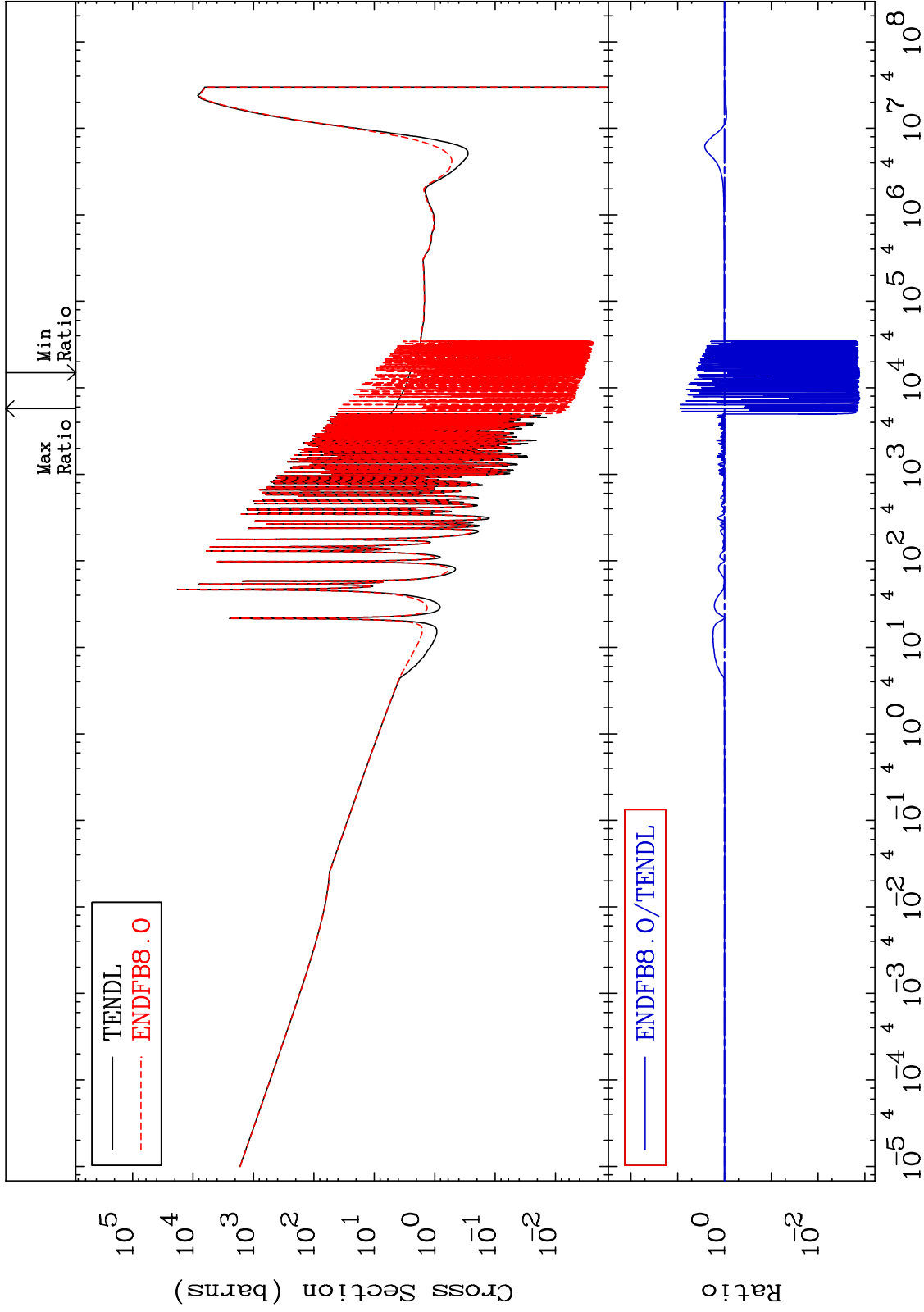
MAT 7831 Dpa inelastic (mt51-91) 78-Pt-192
 Cross Section -0.339 To 0.407 %



MAT 7831

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-192
-99.87 To 756.8 %



78

Incident Energy (eV)

78-Pt-192

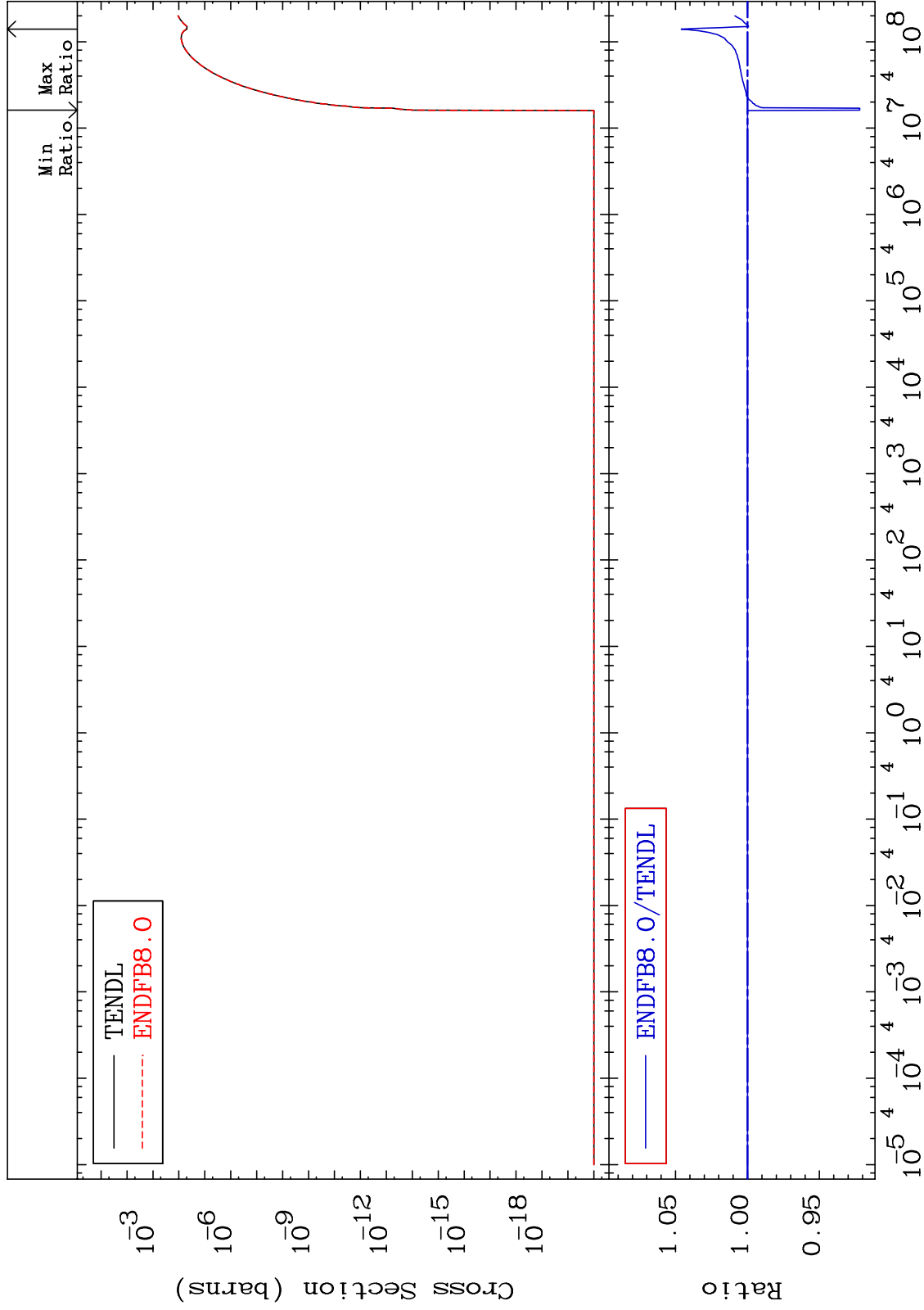
MAT 7831

Fission:0-?-?-Nat

78-Pt-192

Radionuclide Production Cross Section

-7.802 To 4.605 %



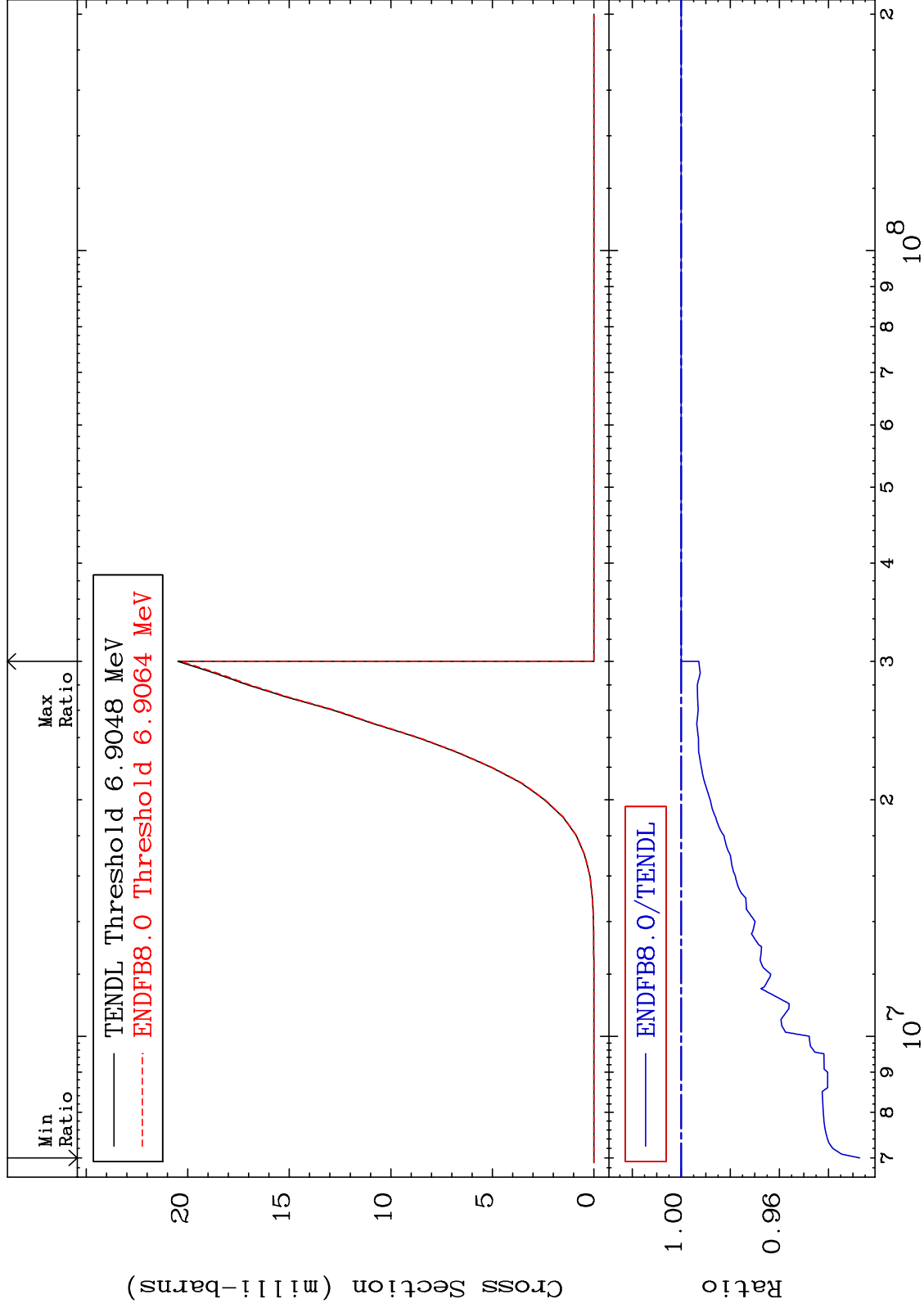
79

Incident Energy (eV)

78-Pt-192

MAT 7831

(n, n') p: 77-Ir-191g 78-Pt-192
Radionuclide Production Cross Section -7.278 To 0.000 %

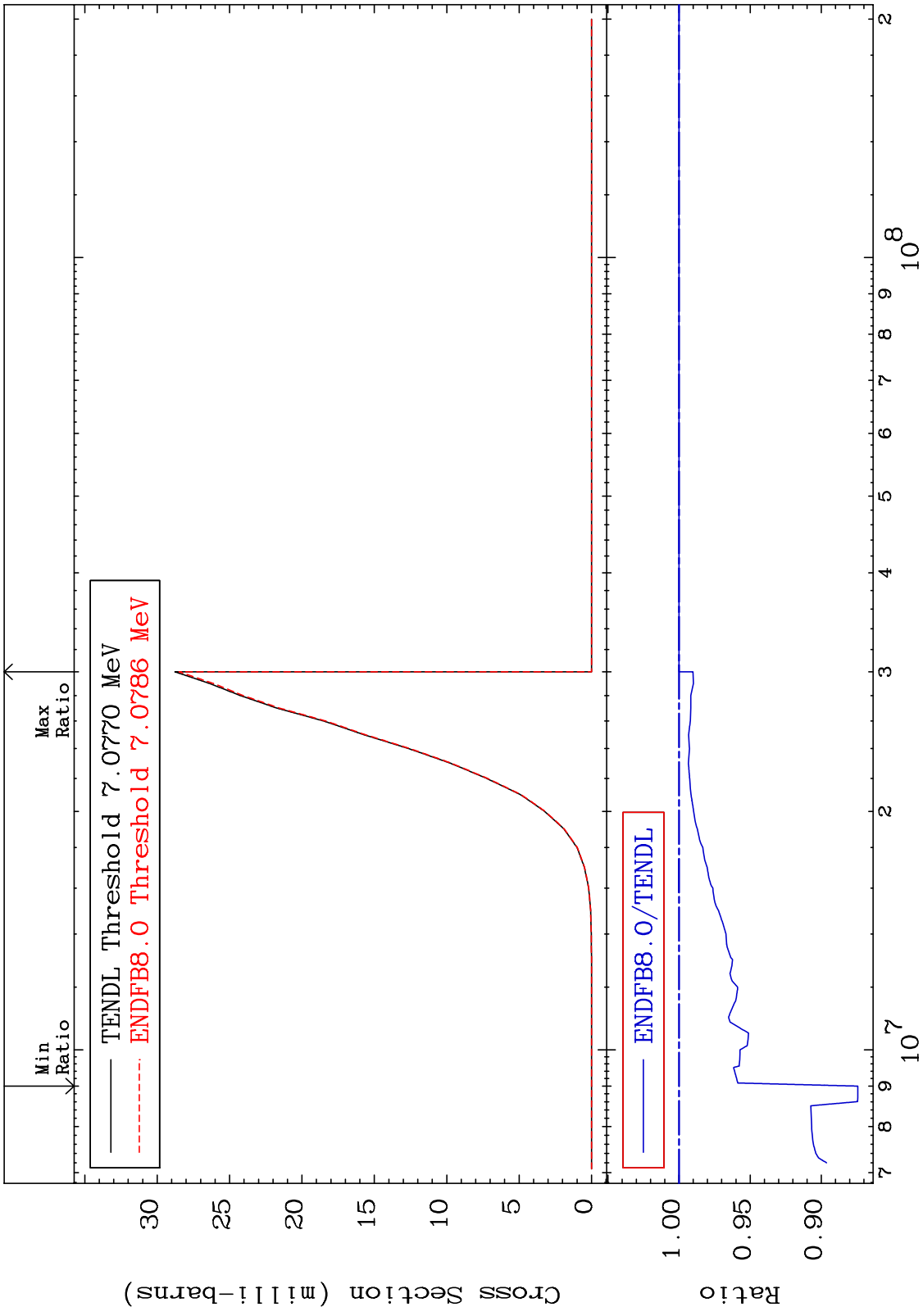


80

Incident Energy (eV)

78-Pt-192

MAT 7831 (n, n') p:77-Ir-191m3 78-Pt-192
 Radionuclide Production Cross Section -12.57 To 0.000 %

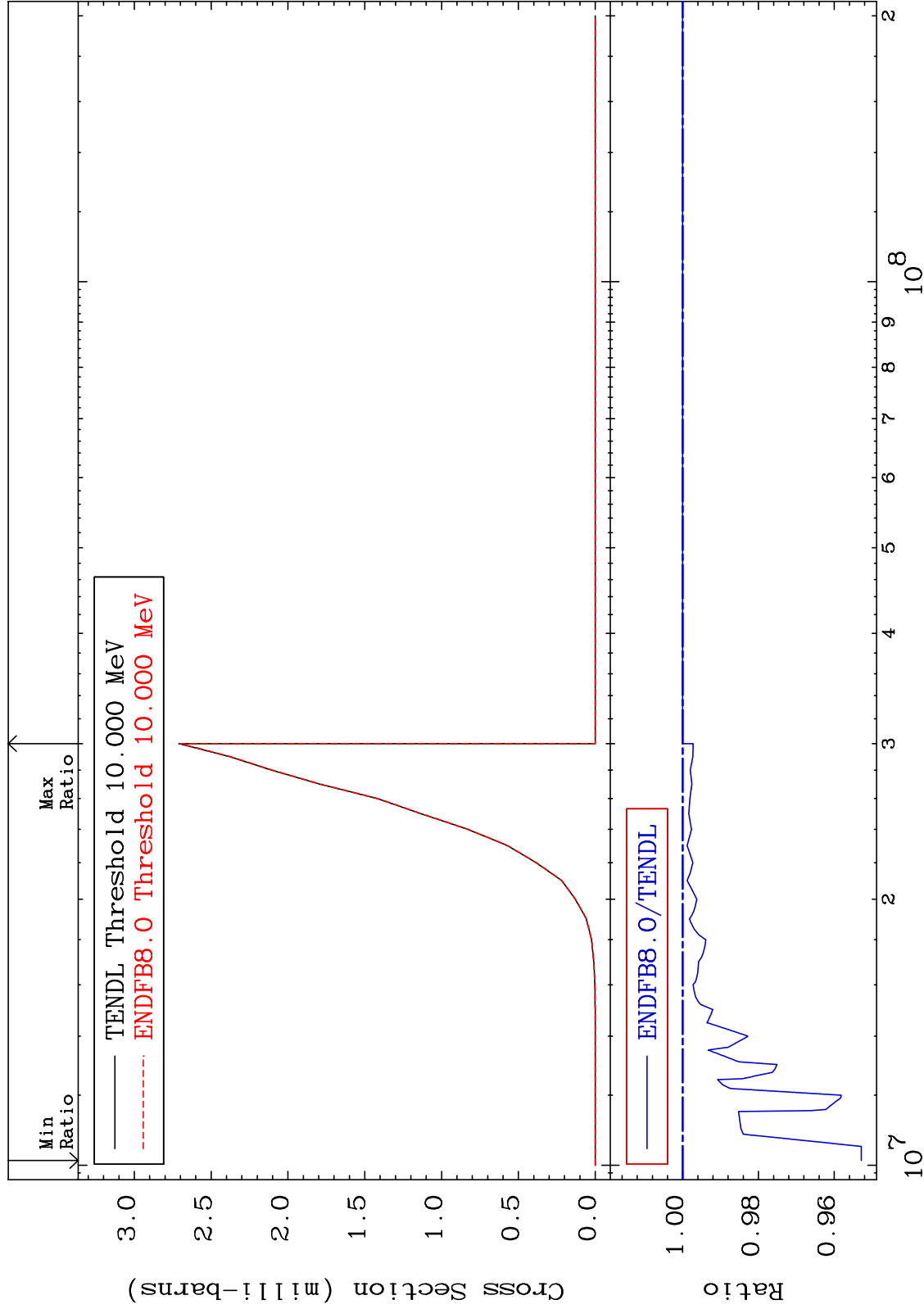


MAT 7831

(n,n') p:77-Ir-191m5

78-Pt-192

Radionuclide Production Cross Section -4.715 To 0.000 %



82

Incident Energy (eV)

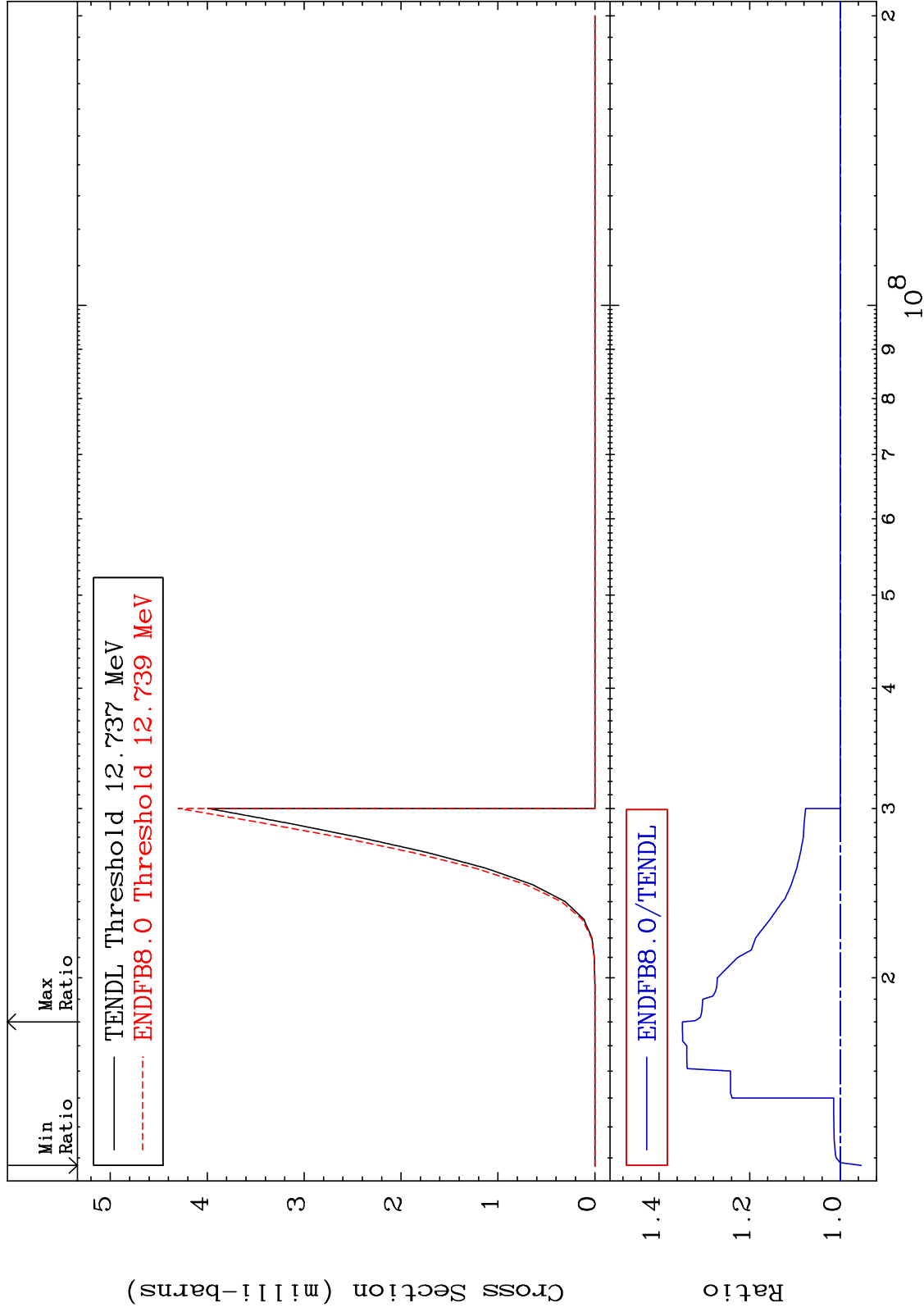
78-Pt-192

MAT 7831

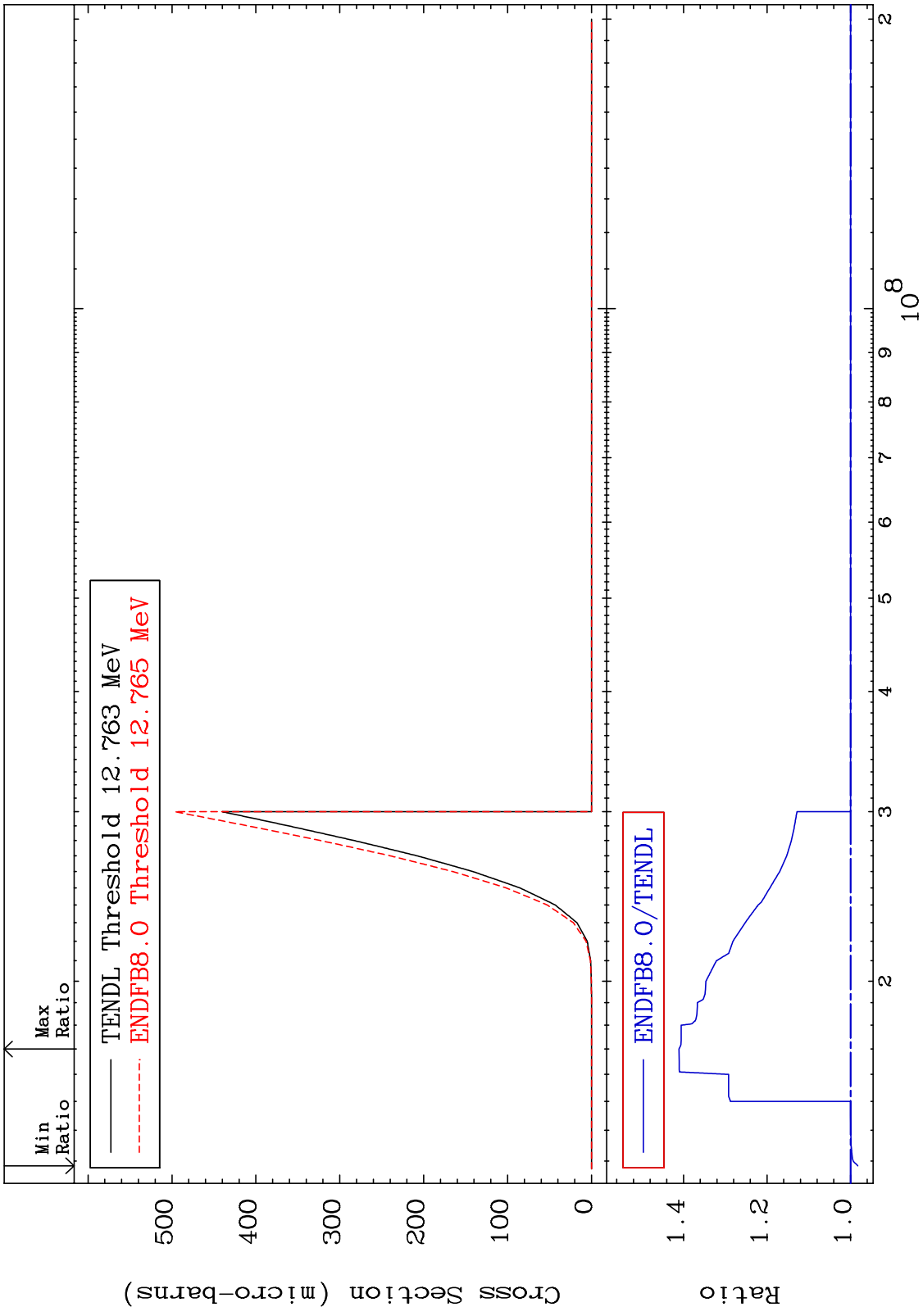
(n, n') d:77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section -4.653 To 34.84 %



MAT 7831 (n,n') d:77-Ir-190m2 78-Pt-192
 Radionuclide Production Cross Section -1.749 To 41.07 %

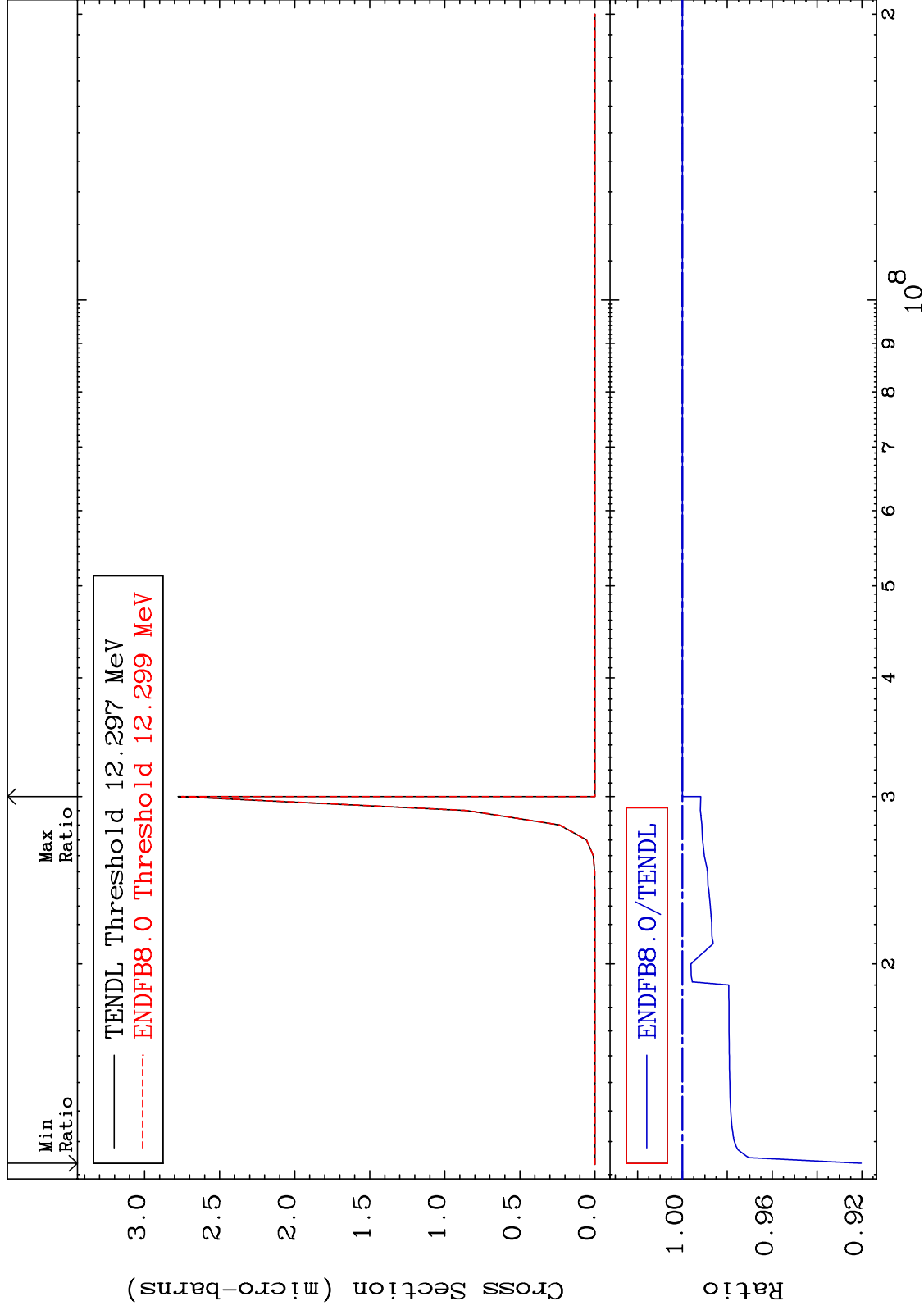


MAT 7831

(n,n') He-3:76-0s-189g

78-Pt-192

Radionuclide Production Cross Section -7.973 To 0.000 %



85

Incident Energy (eV)

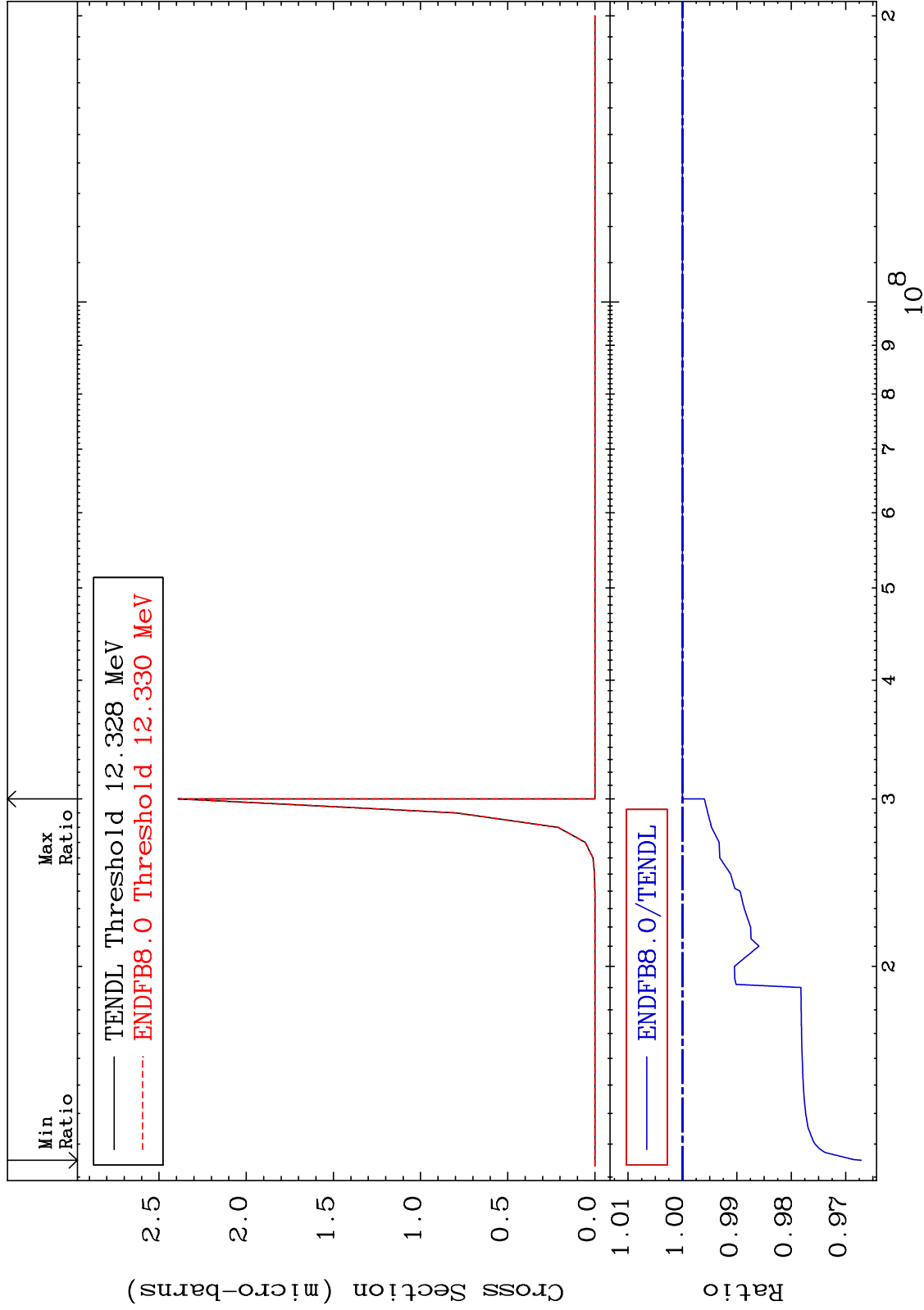
78-Pt-192

MAT 7831

(n,n') He-3:76-0s-189m1

78-Pt-192

Radionuclide Production Cross Section -3.286 To 0.000 %



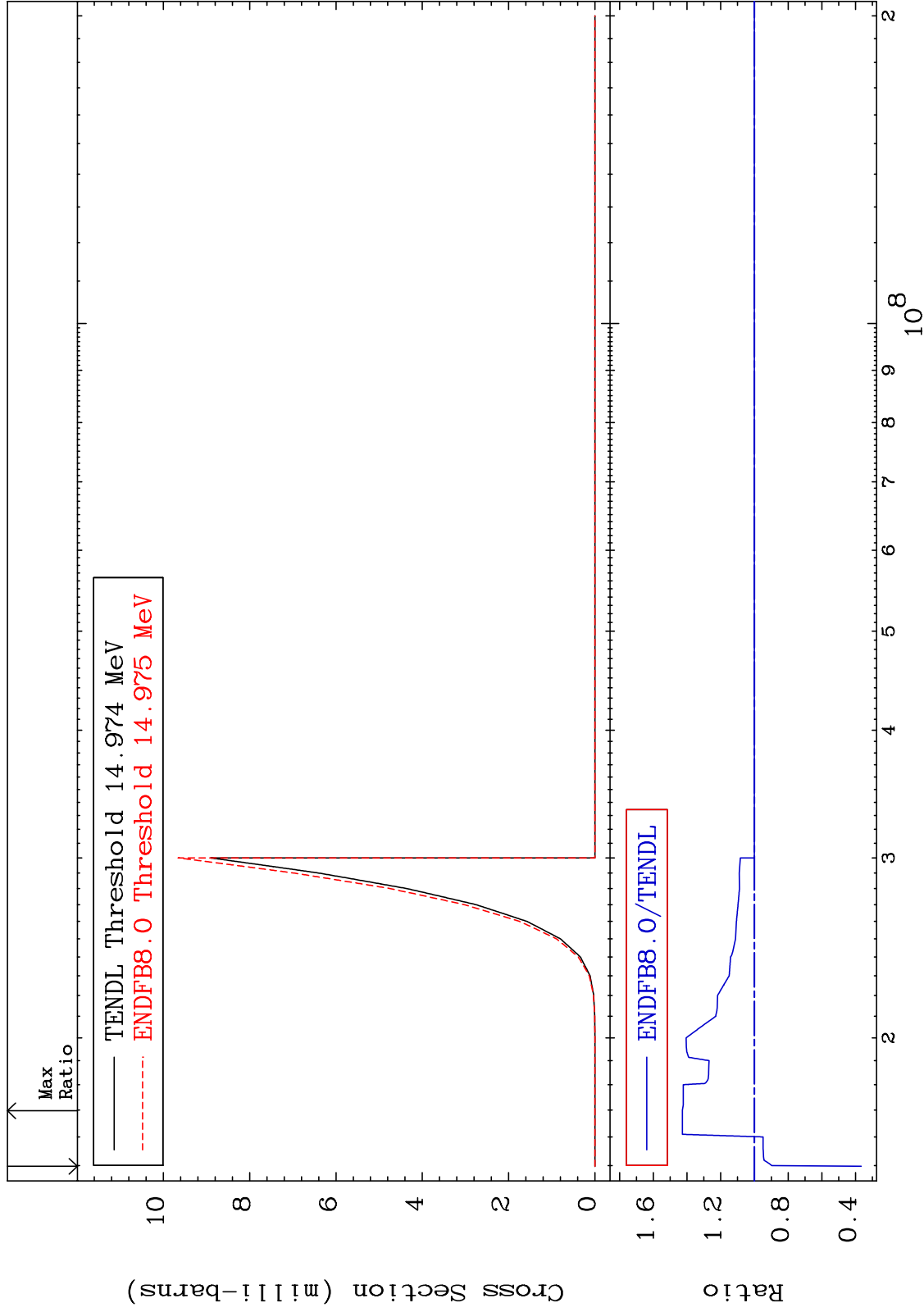
MAT 7831

(n,2n) p:77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section

-63.43 To 42.72 %



87

Incident Energy (eV)

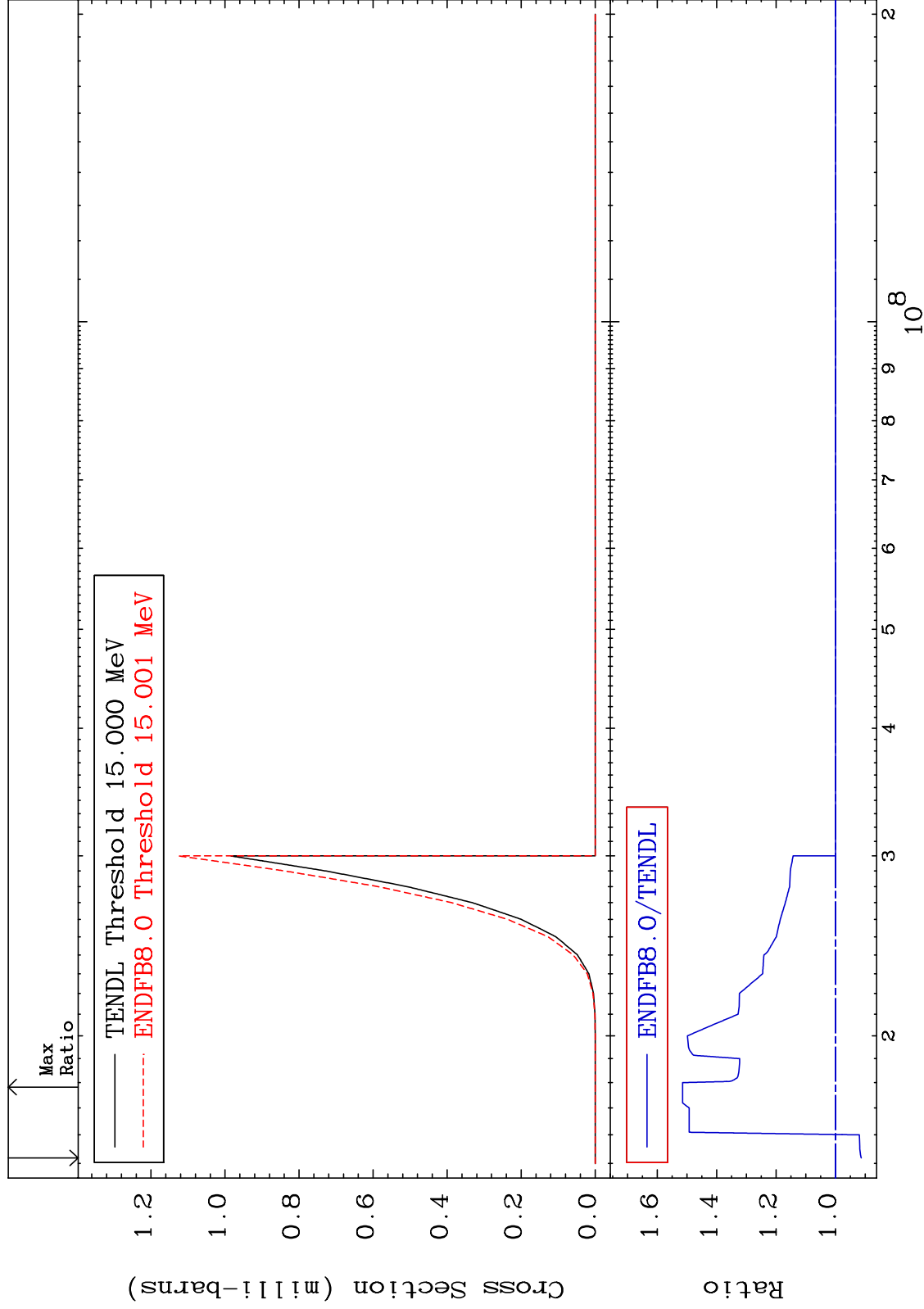
78-Pt-192

MAT 7831

(n,2n) p:77-Ir-190m2

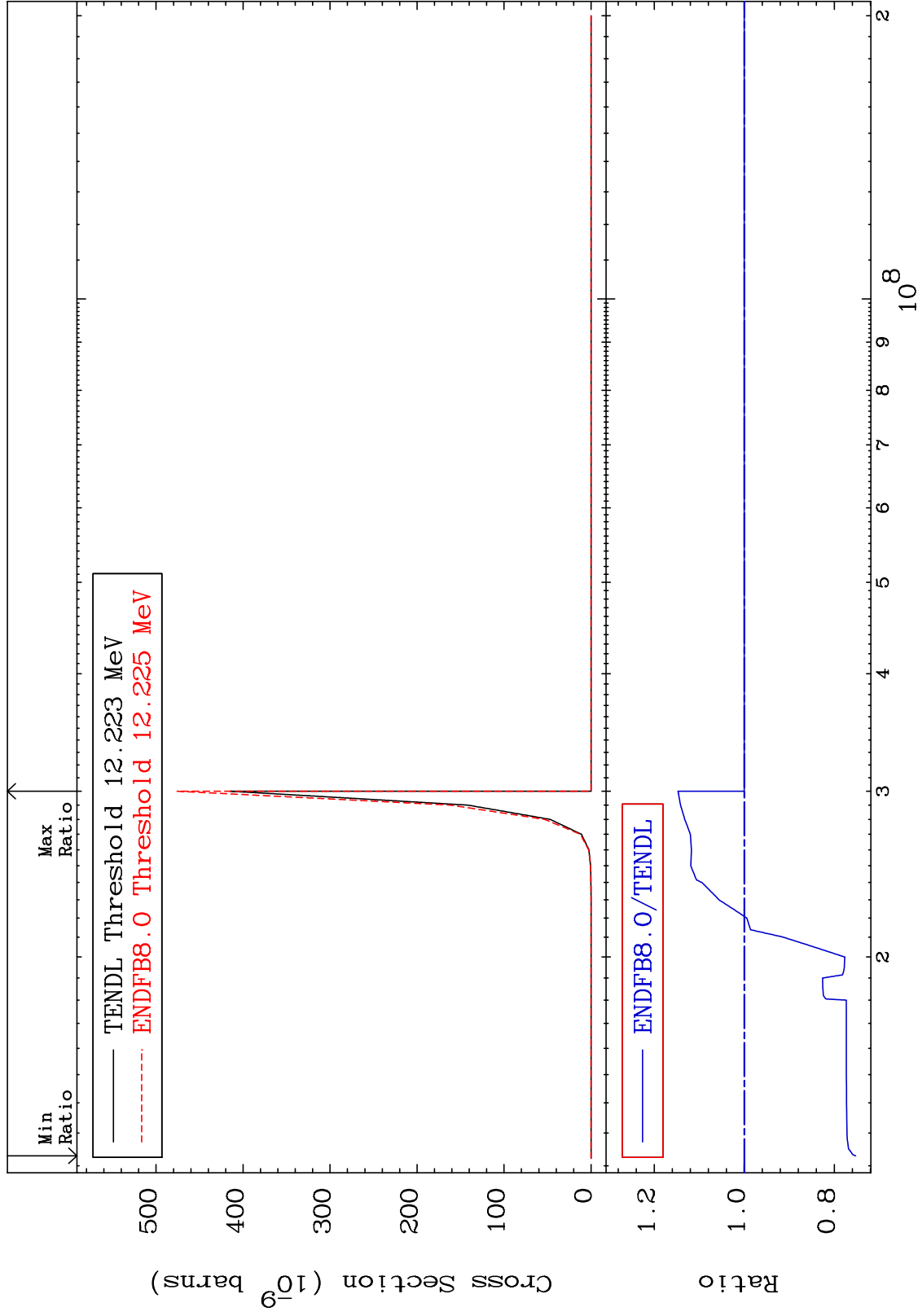
78-Pt-192

Radionuclide Production Cross Section -8.702 To 51.45 %



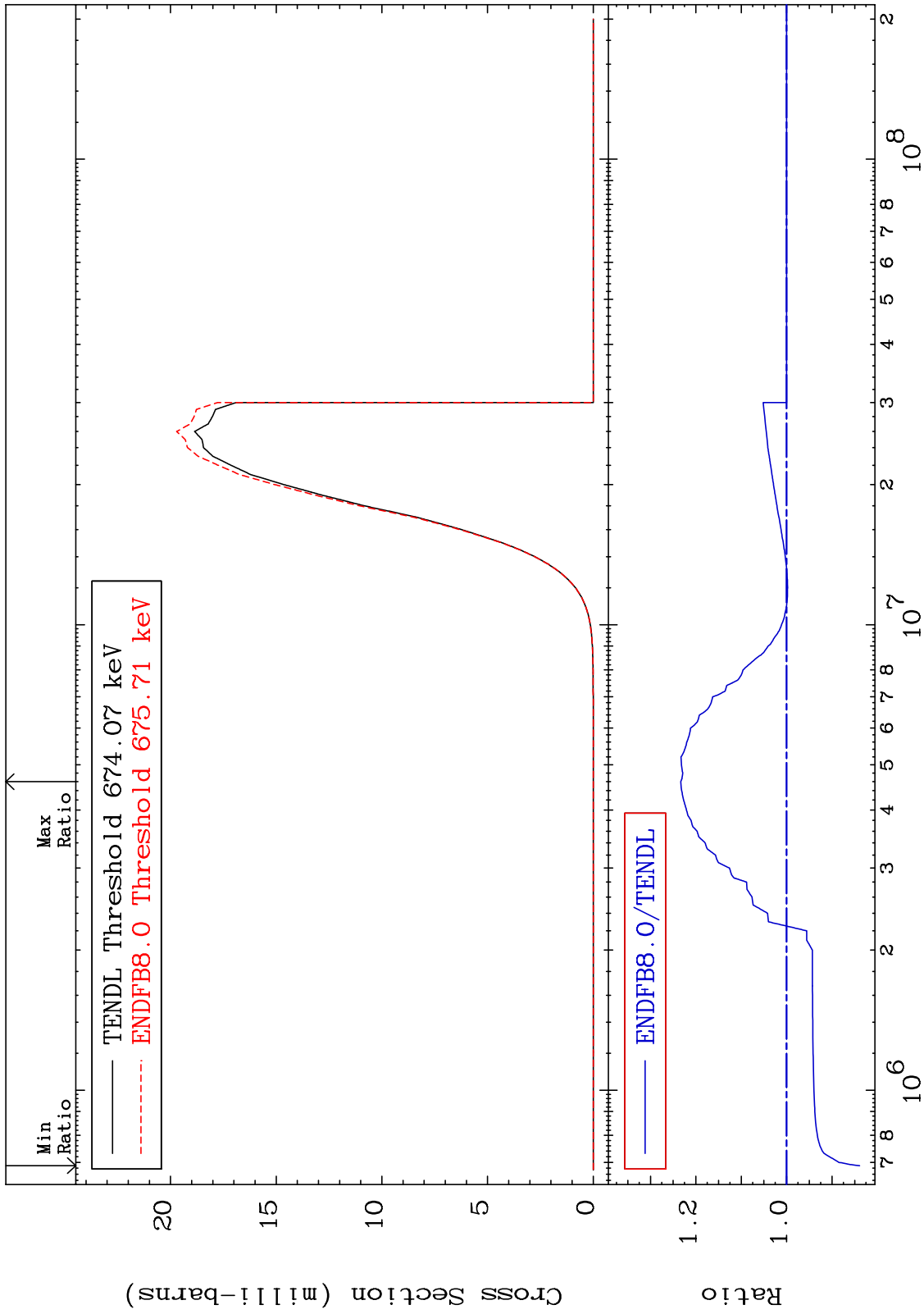
MAT 7831

(n,2n) p:76-0s-190g 78-Pt-192
Radionuclide Production Cross Section -24.75 To 14.73 %



MAT 7831

(n,p) : 77-Ir-192g 78-Pt-192
Radionuclide Production Cross Section -16.09 To 23.31 %



90

Incident Energy (eV)

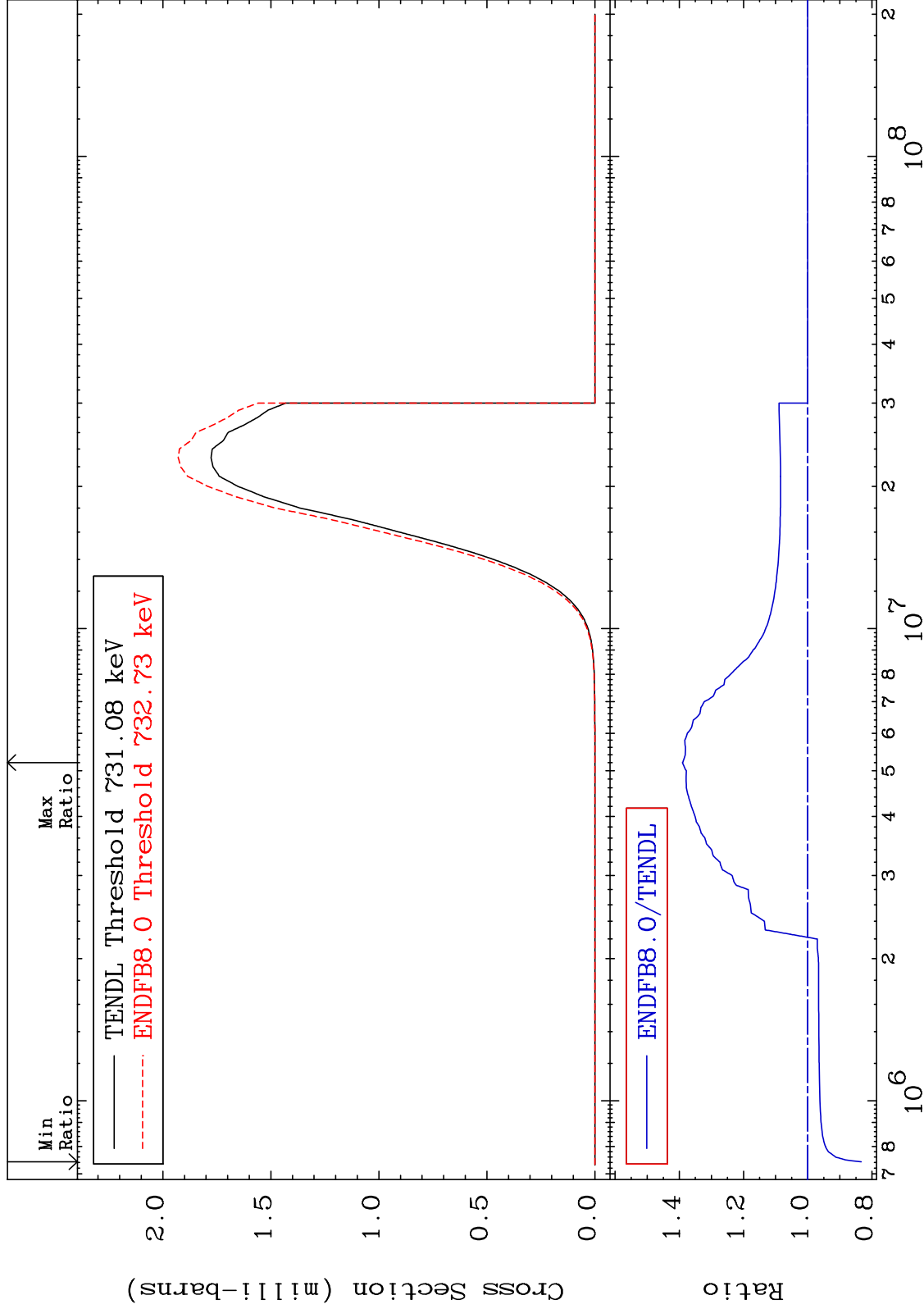
78-Pt-192

MAT 7831

(n, p) : 77-Ir-192m3

78-Pt-192

Radionuclide Production Cross Section -16.68 To 39.02 %



91

Incident Energy (eV)

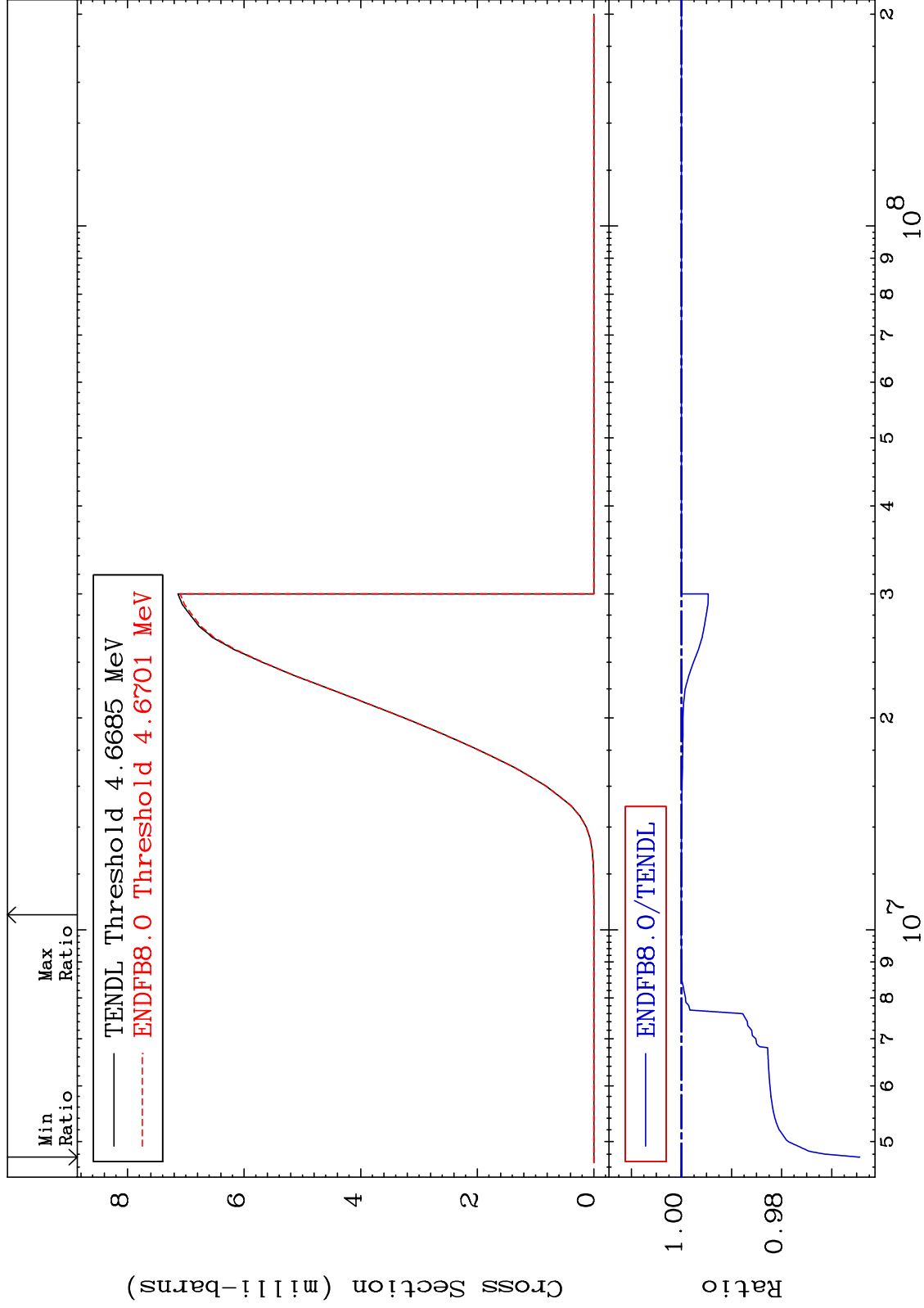
78-Pt-192

MAT 7831

(n,d):77-Ir-191g

78-Pt-192

Radionuclide Production Cross Section -3.561 To 0.004 %



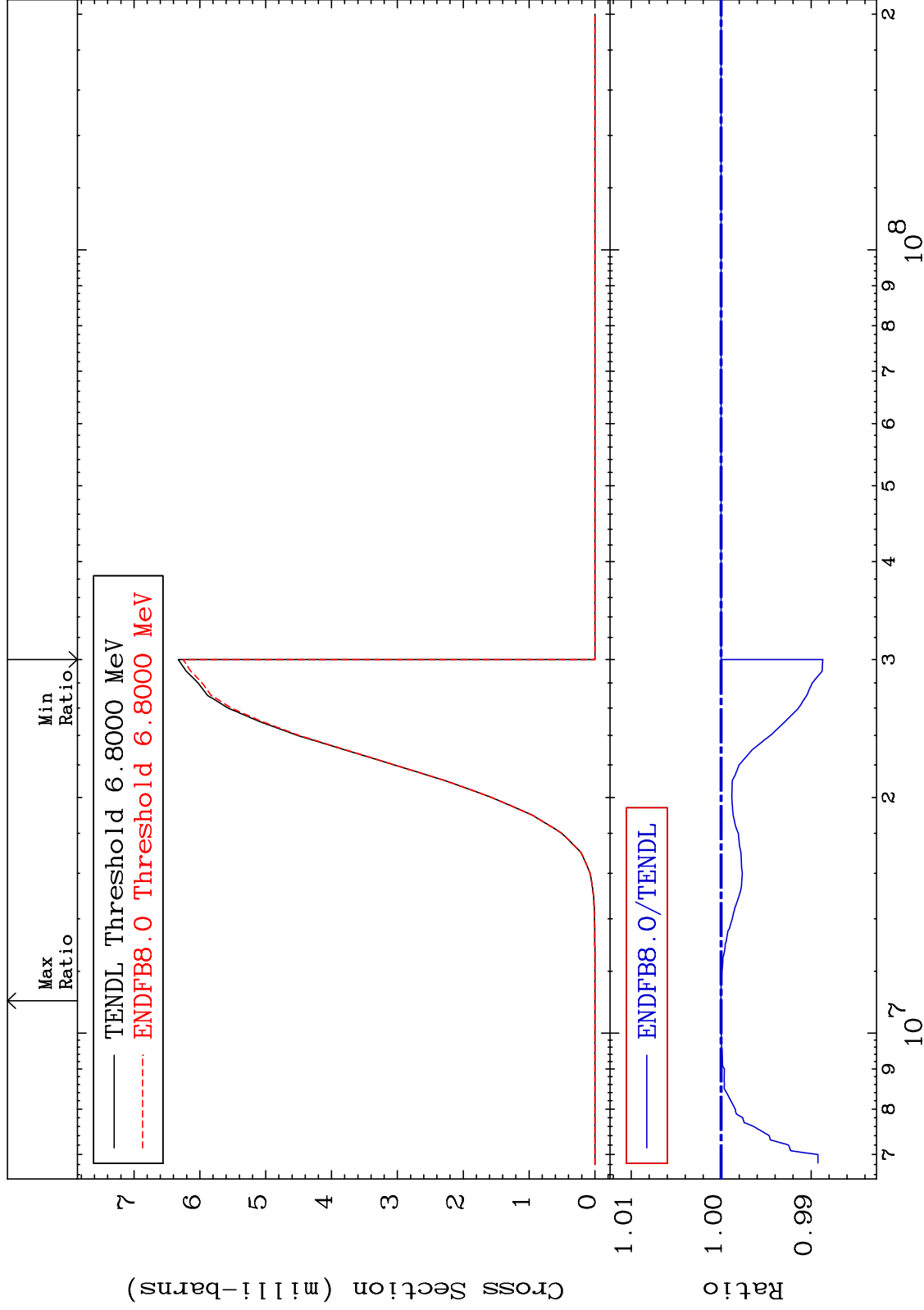
92

MAT 7831

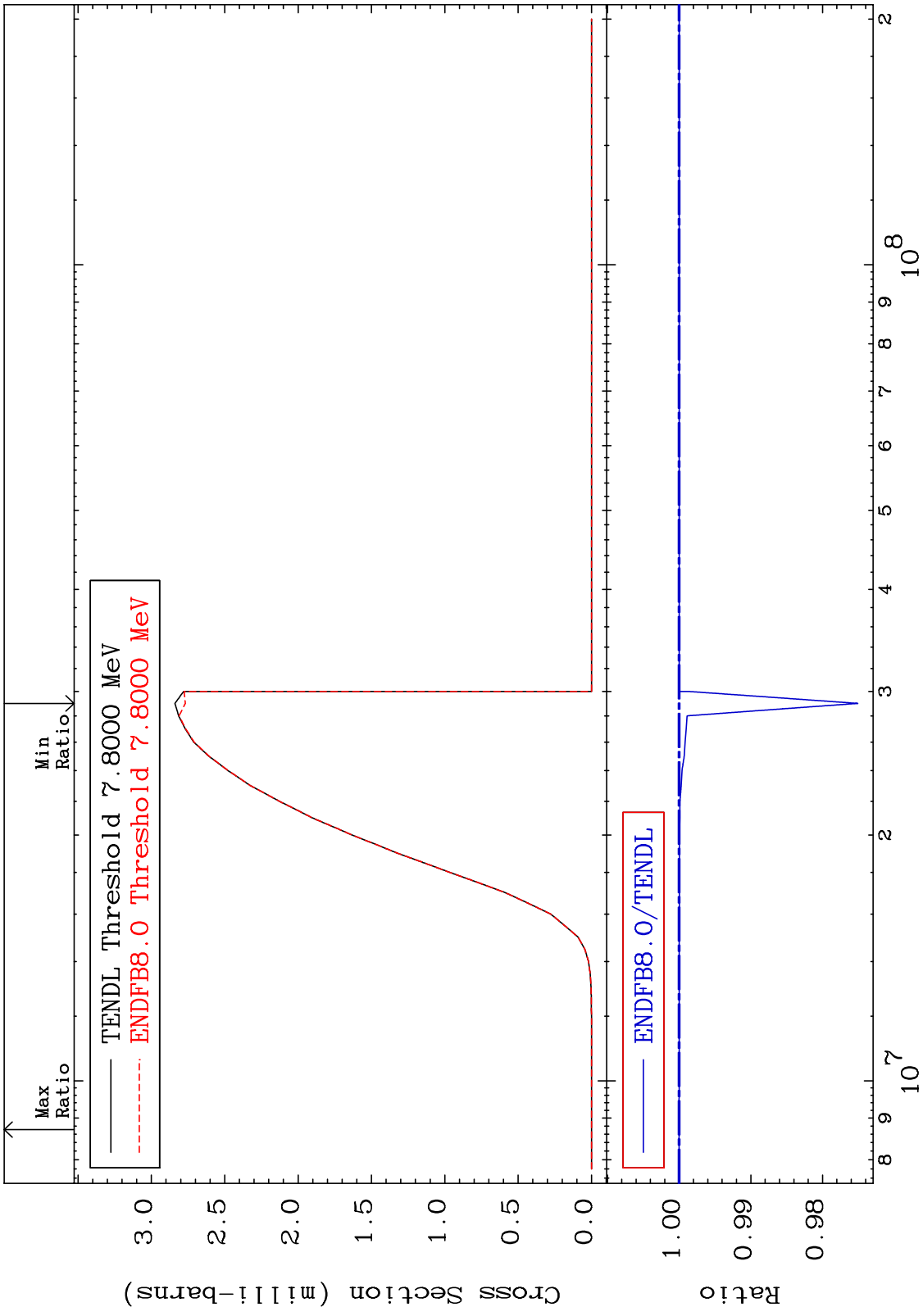
(n,d):77-Ir-191m3

78-Pt-192

Radionuclide Production Cross Section -1.130 To 0.002 %



MAT 7831 (n,d):77-Ir-191m5 78-Pt-192
 Radionuclide Production Cross Section -2.492 To 0.001 %

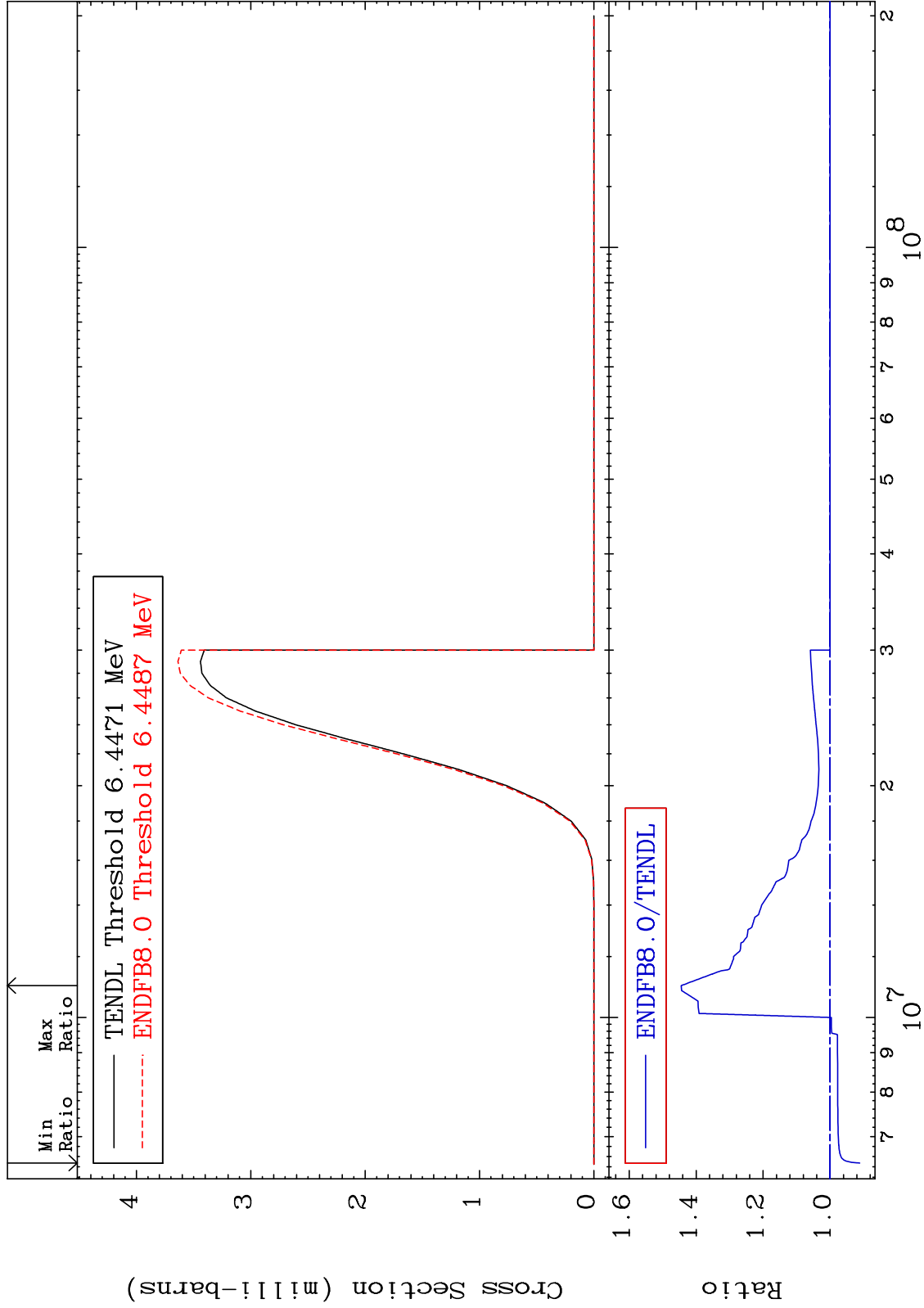


MAT 7831

(n,t):77-Ir-190g

78-Pt-192

Radionuclide Production Cross Section -8.861 To 44.46 %



95

Incident Energy (eV)

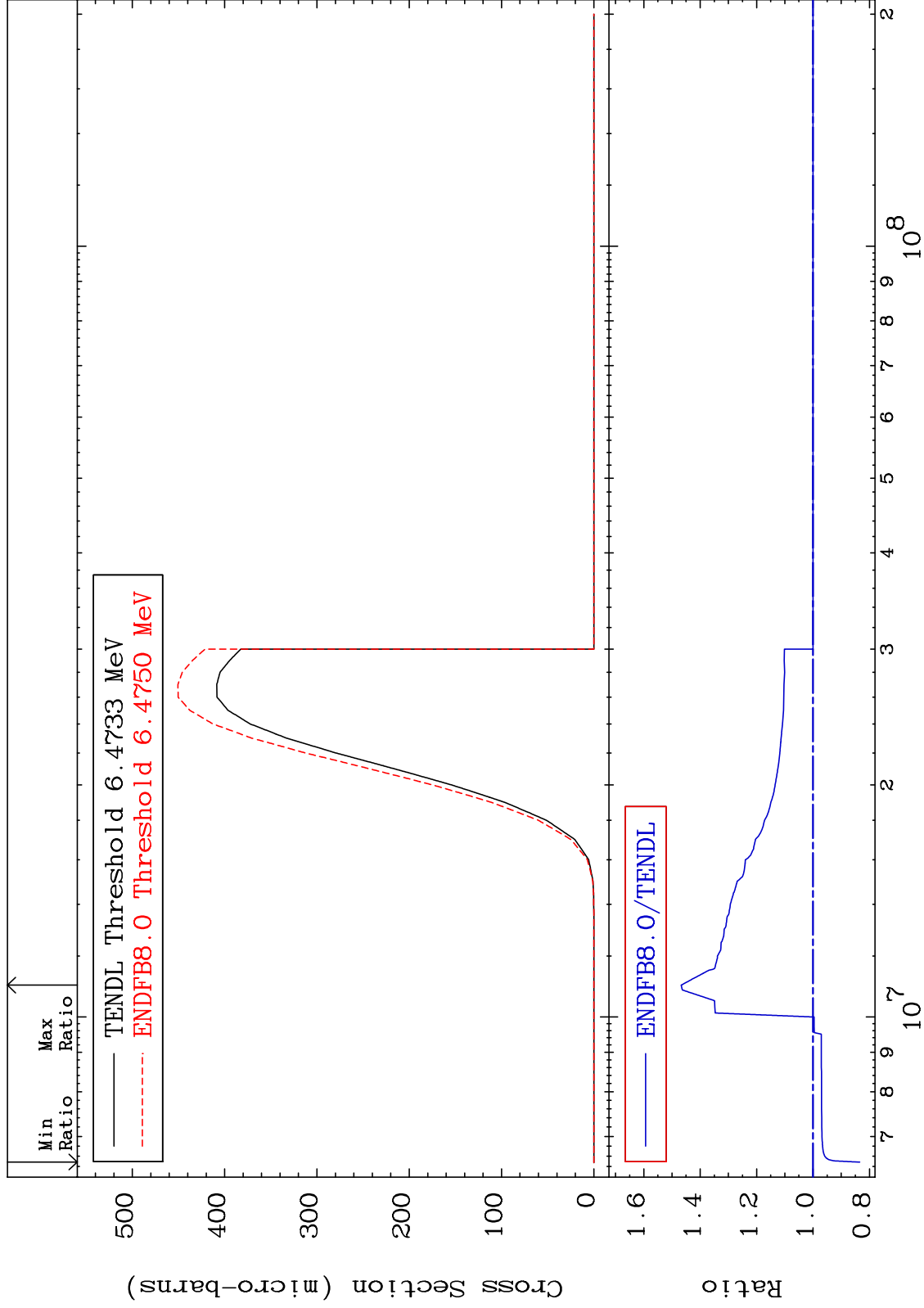
78-Pt-192

MAT 7831

(n, t) : 77-Ir-190m2

78-Pt-192

Radionuclide Production Cross Section -16.57 To 46.71 %



96

Incident Energy (eV)

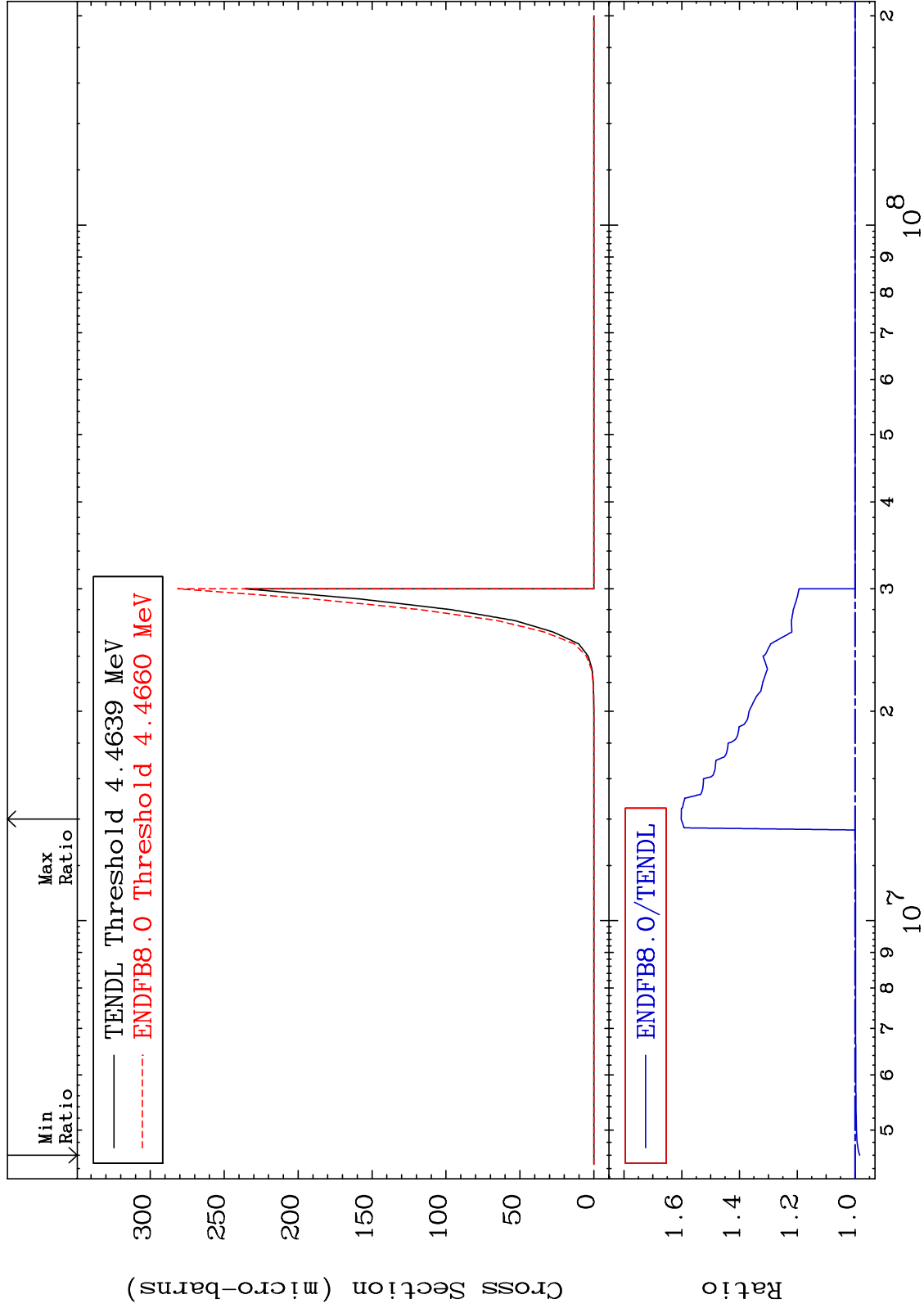
78-Pt-192

MAT 7831

(n, He-3) : 76-Os-190g

78-Pt-192

Radionuclide Production Cross Section -1.638 To 60.17 %



97

Incident Energy (eV)

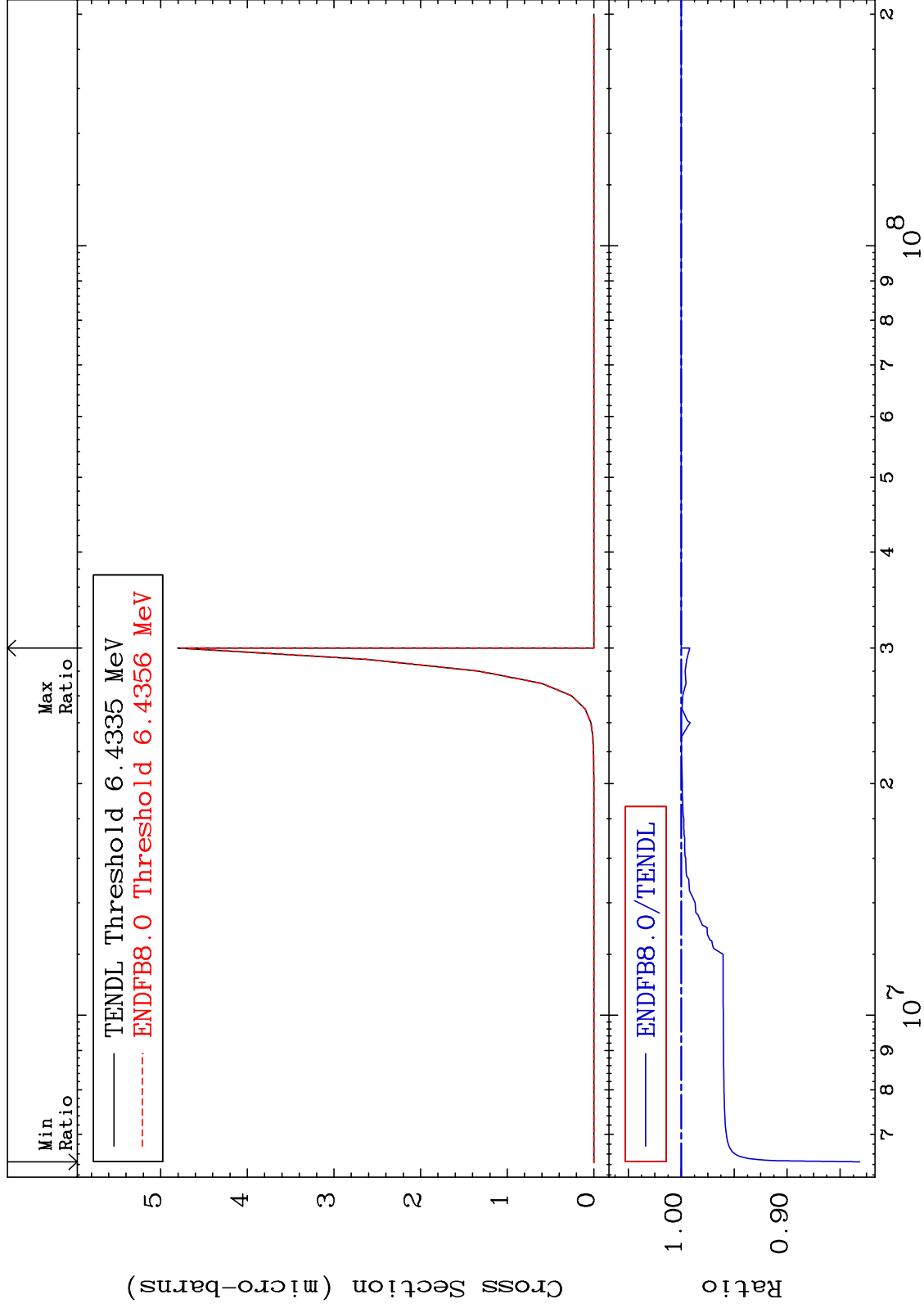
78-Pt-192

MAT 7831

(n,2p):76-0s-191g

78-Pt-192

Radionuclide Production Cross Section -16.86 To 0.000 %



98

Incident Energy (eV)

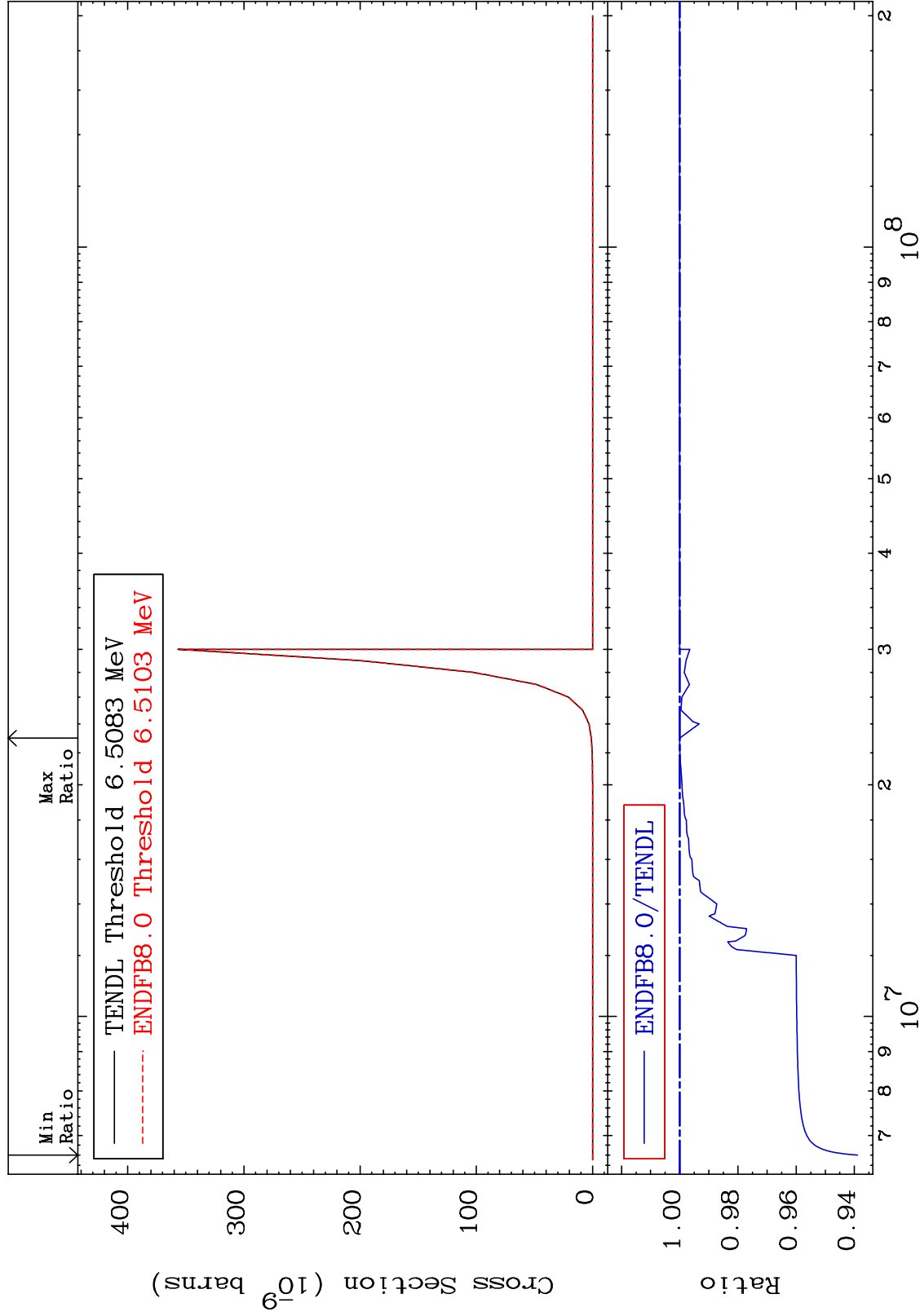
78-Pt-192

MAT 7831

(n,2p):76-0s-191m1

78-Pt-192

Radionuclide Production Cross Section -6.111 To 0.000 %



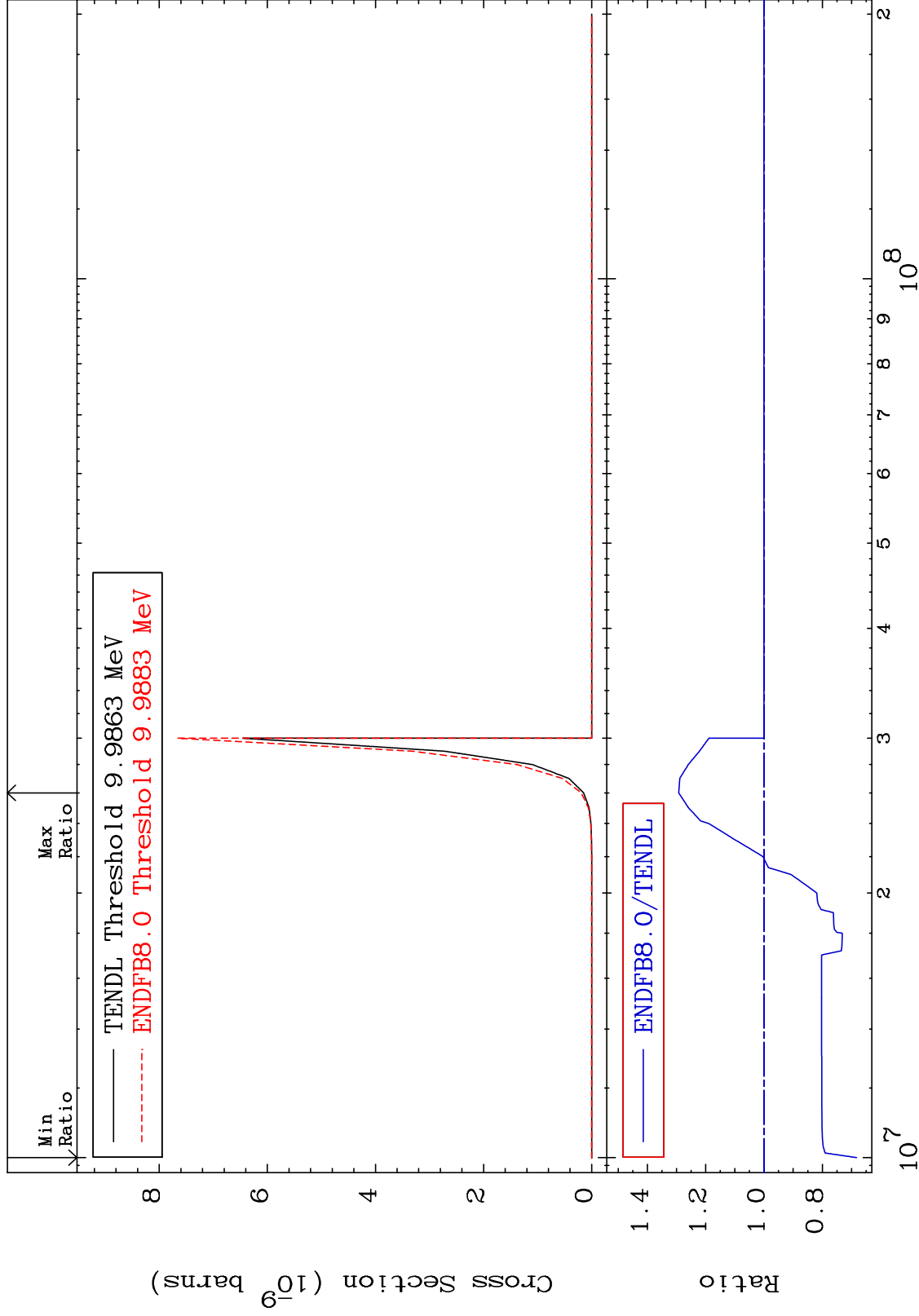
99

Incident Energy (eV)

78-Pt-192

MAT 7831

(n,p) d:76-0s-190g 78-Pt-192
Radionuclide Production Cross Section -31.75 To 29.22 %



Incident Energy (eV)

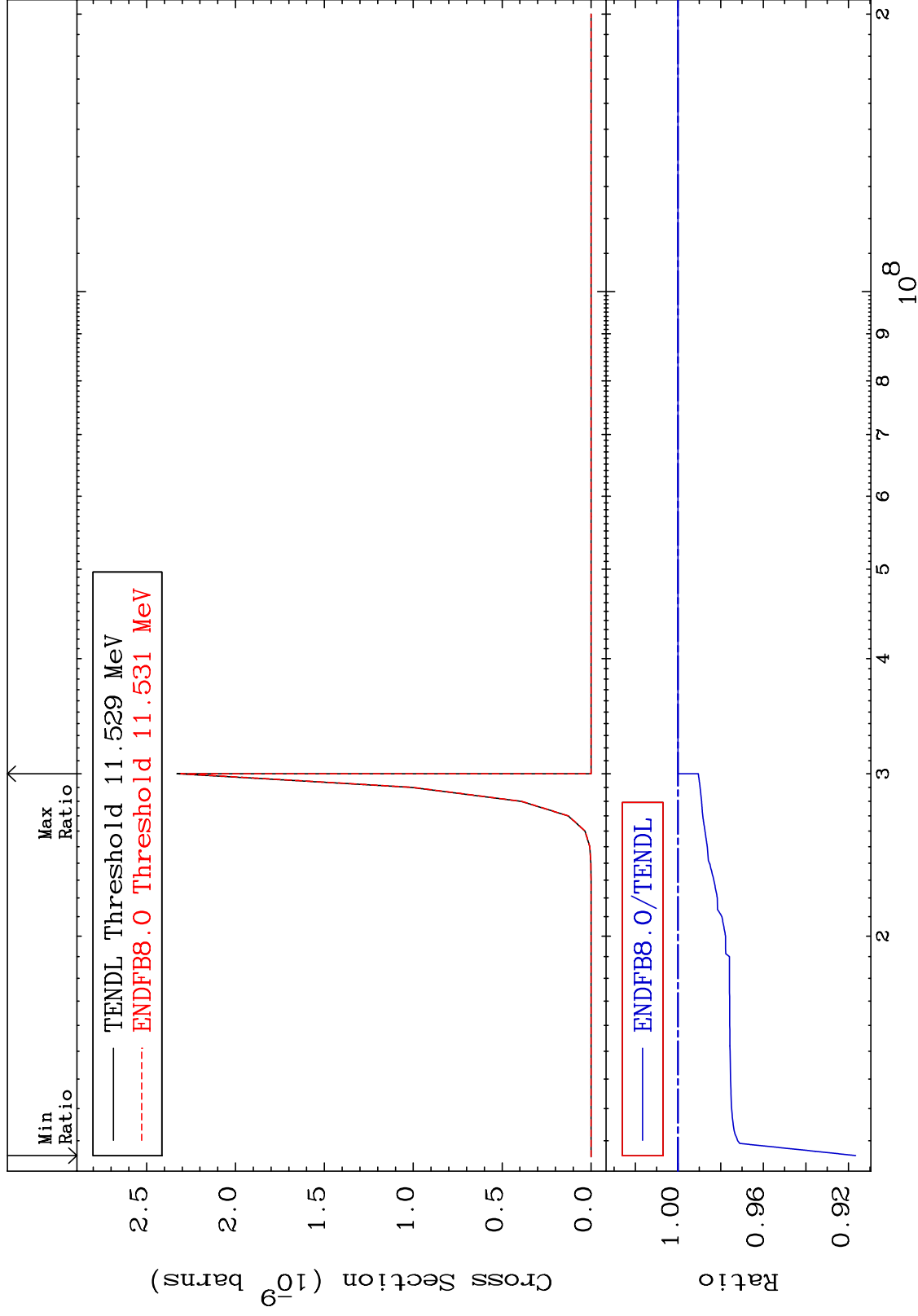
78-Pt-192

MAT 7831

(n,p) t:76-0s-189g

78-Pt-192

Radionuclide Production Cross Section -8.334 To 0.000 %



101

Incident Energy (eV)

78-Pt-192

MAT 7831

(n,p) t:76-0s-189m1

78-Pt-192

Radionuclide Production Cross Section -3.027 To 0.000 %

