

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

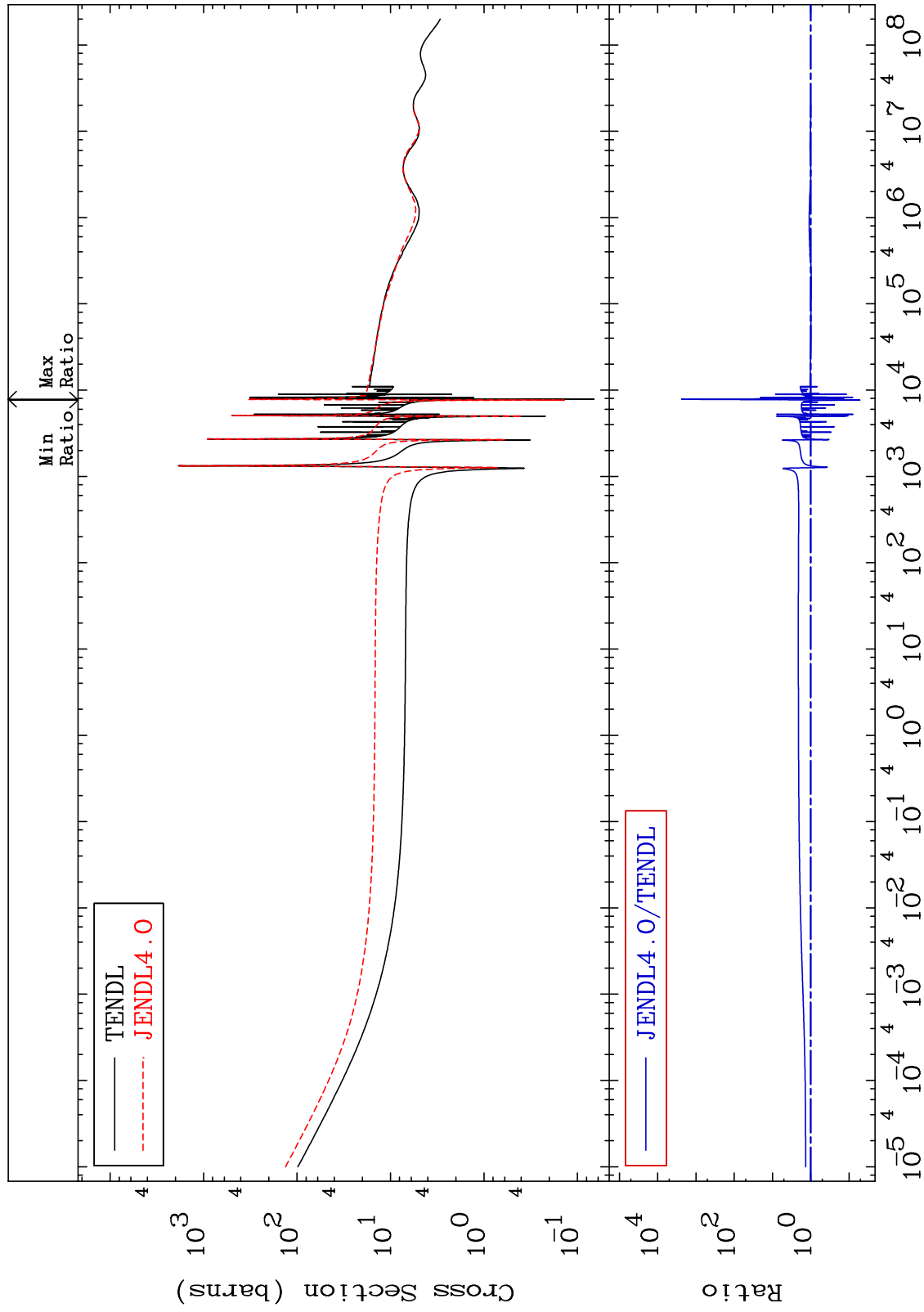
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8037

Total  
Cross Section

80-Hg-200  
-94.79 To 9999. %



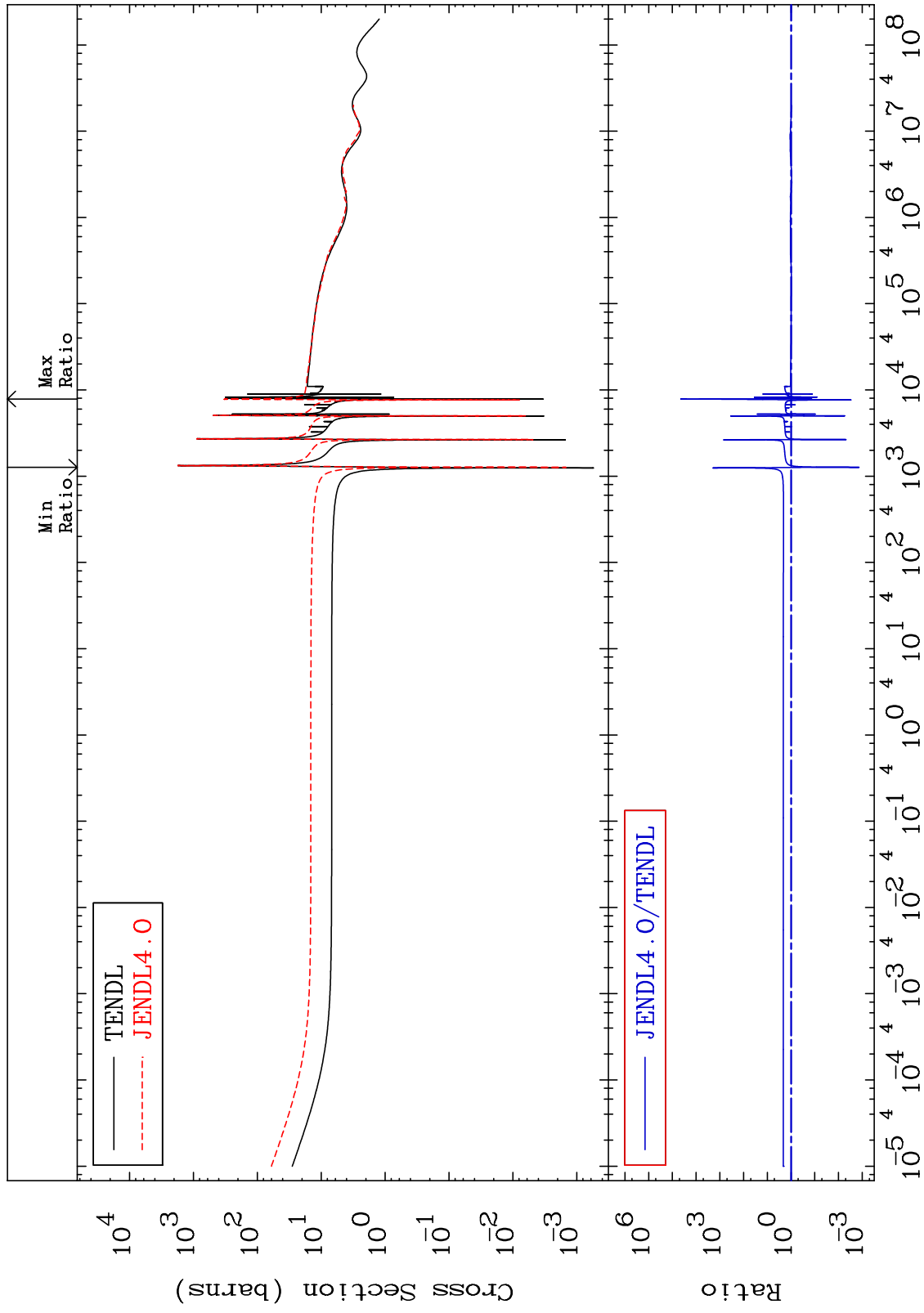
Incident Energy (eV)

80-Hg-200

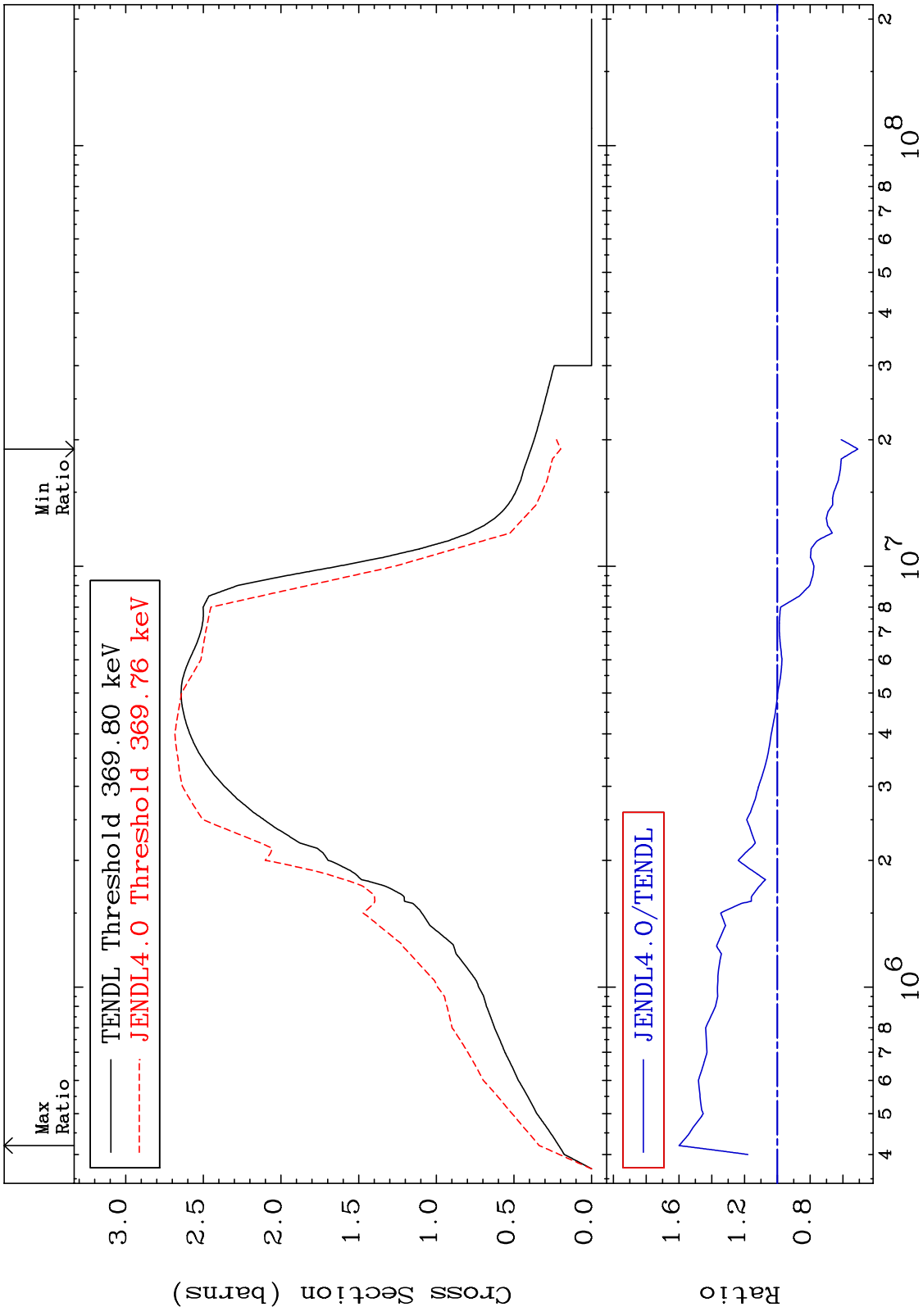
MAT 8037

Elastic  
Cross Section

80-Hg-200  
-99.86 To 9999. %

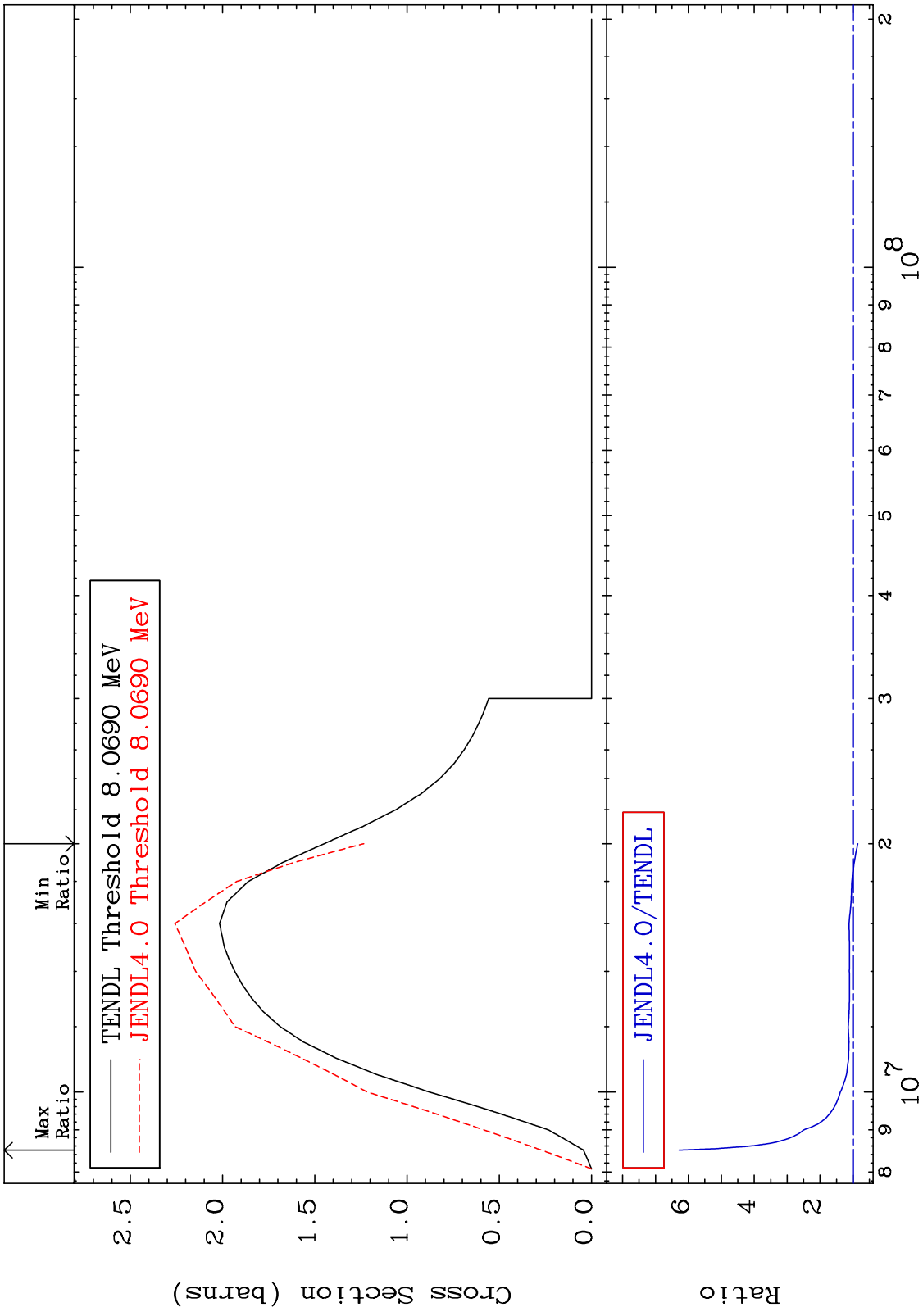


MAT 8037 Inelastic Cross Section 80-Hg-200 -49.09 To 59.91 %



3 Incident Energy (eV) 80-Hg-200

MAT 8037 (n,2n) Cross Section 80-Hg-200 -14.77 To 528.4 %



4 80-Hg-200

MAT 8037

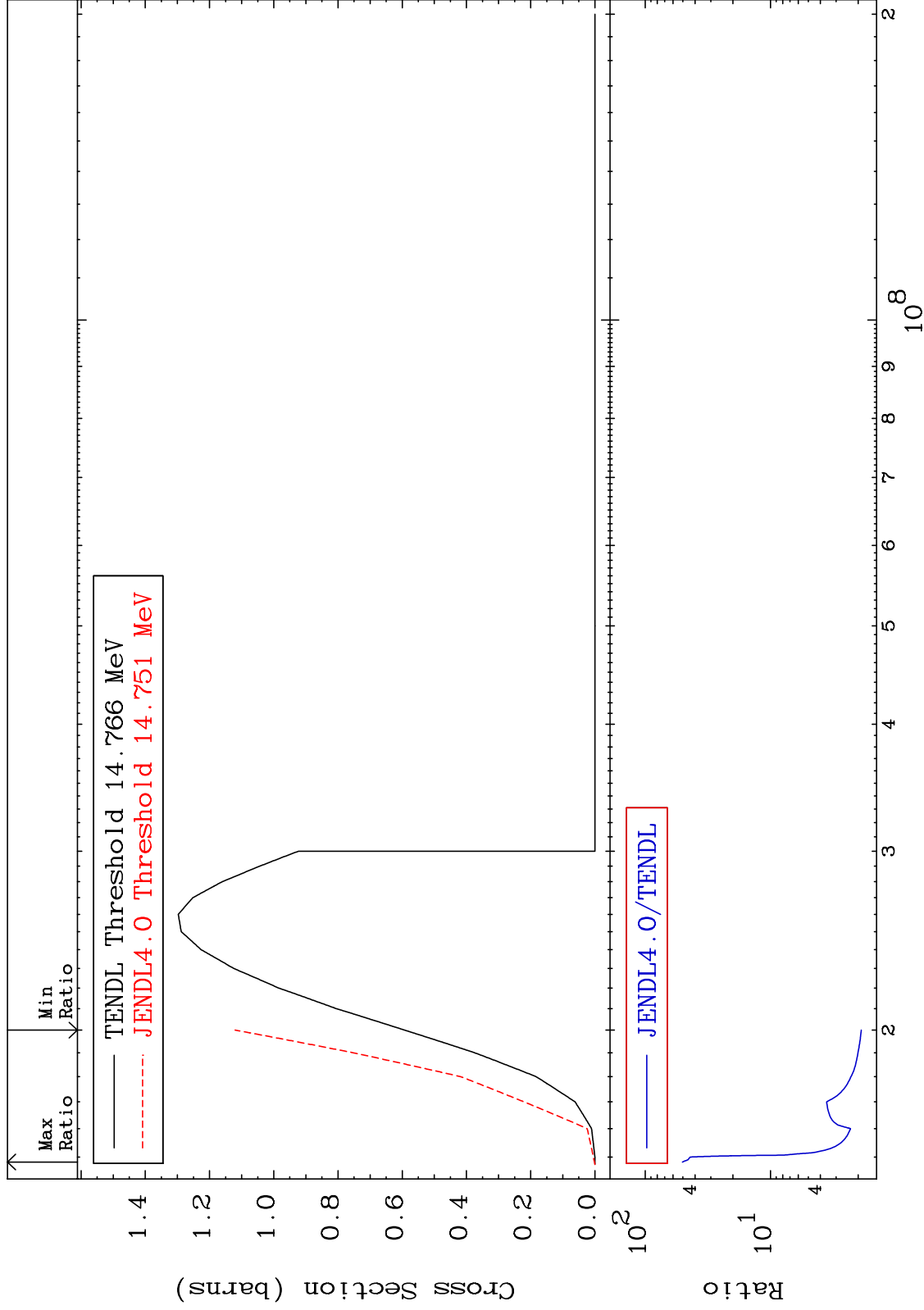
(n,3n)

80-Hg-200

Cross Section

88.90

To 4944. %



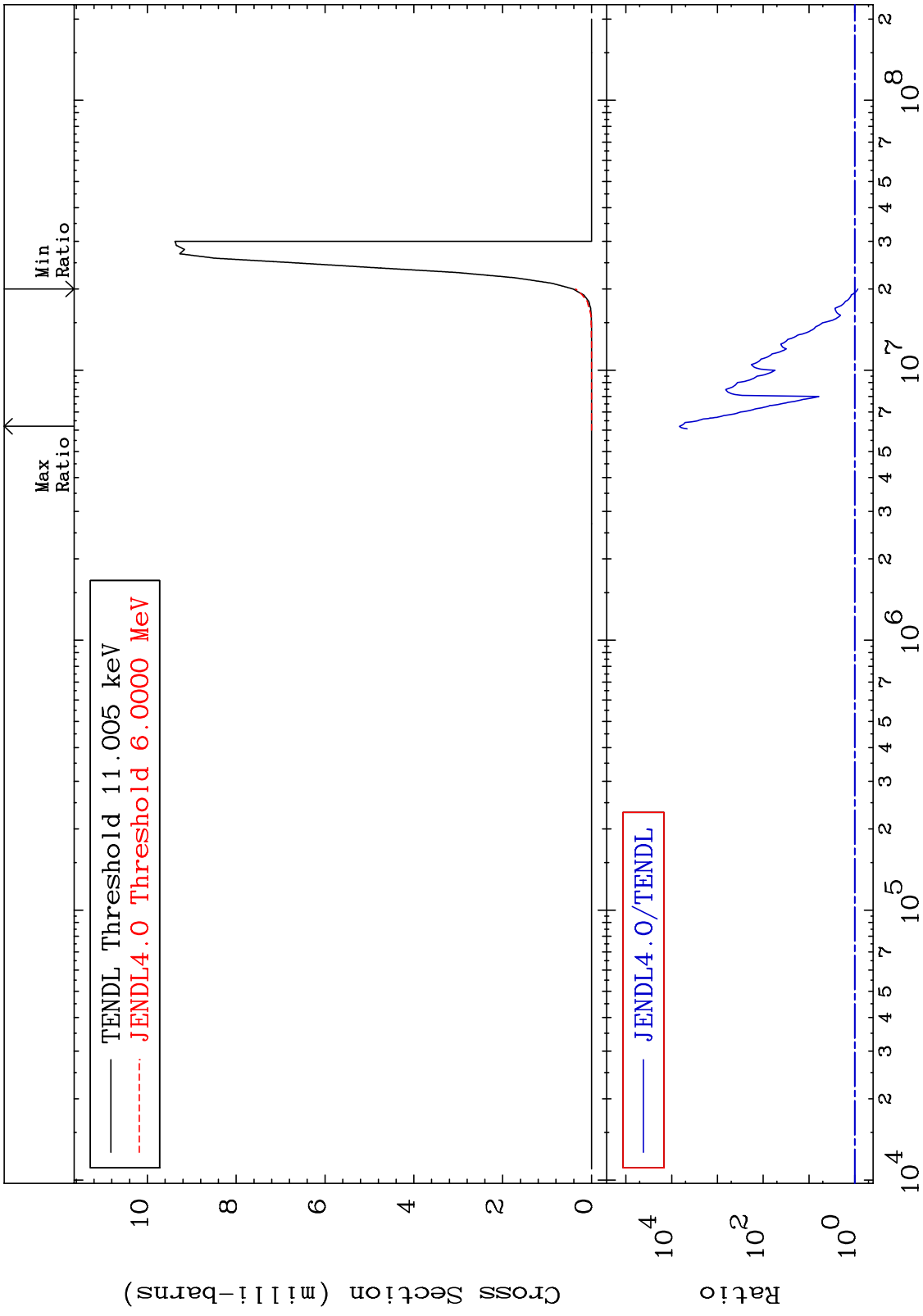
MAT 8037

(n, n')  $\alpha$

80-Hg-200

Cross Section

-14.63 To 9999. %

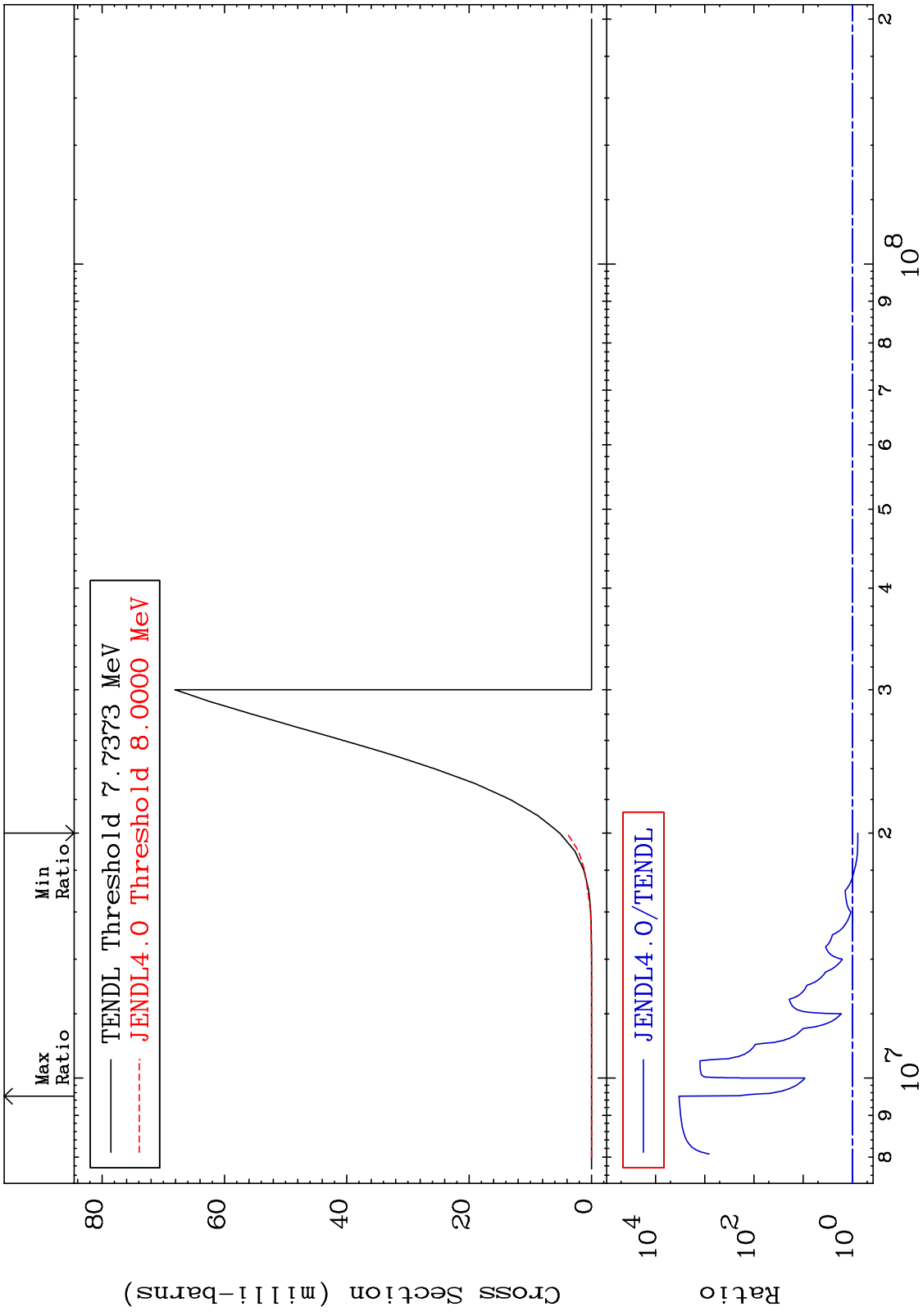


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Incident Energy (eV)

80-Hg-200

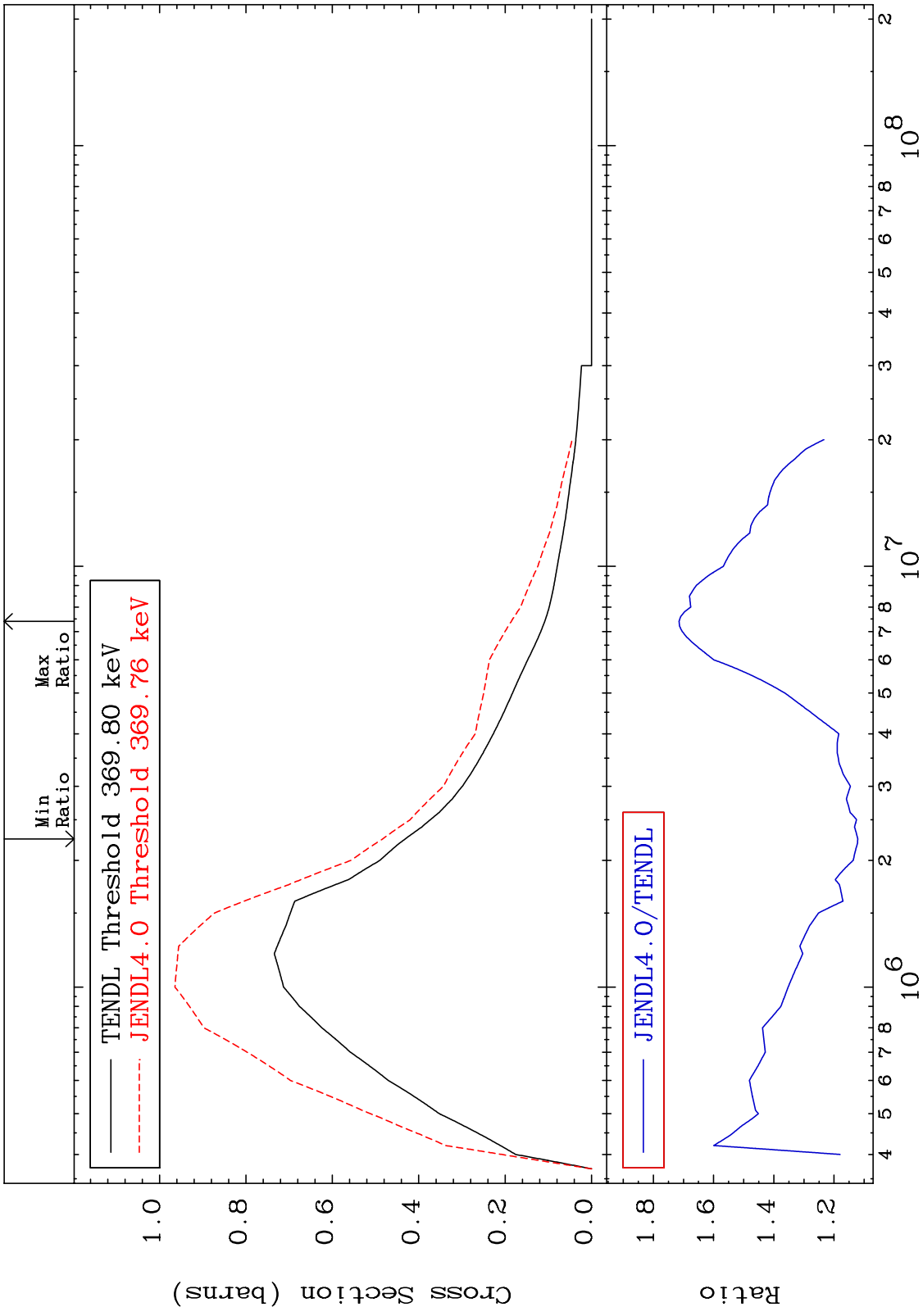
MAT 8037 (n,n') p 80-Hg-200  
Cross Section -22.79 To 9999. %



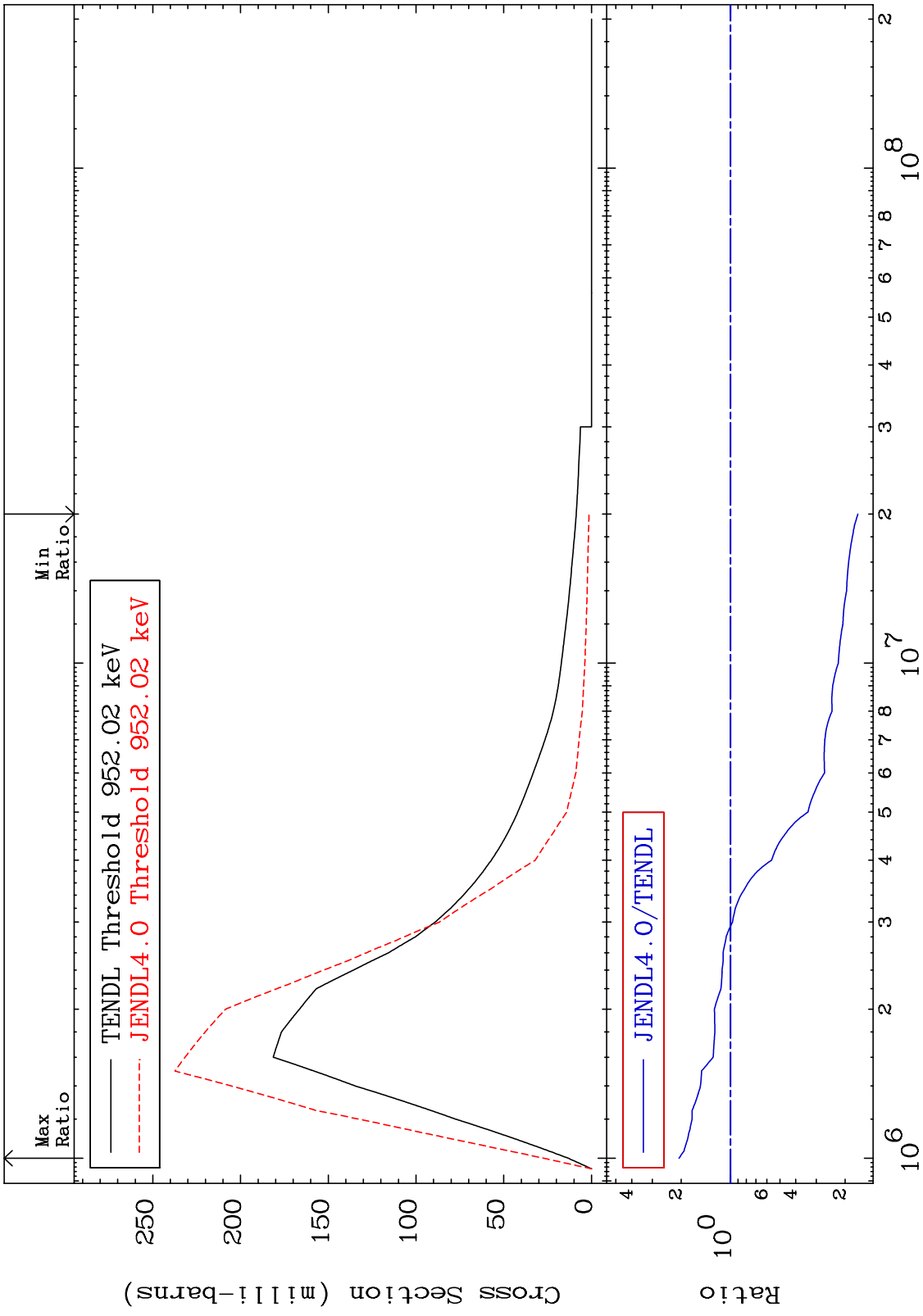
80-Hg-200



MAT 8037 MT= 51 (n,n') Level Cross Section 80-Hg-200  
 12.11 To 71.47 %

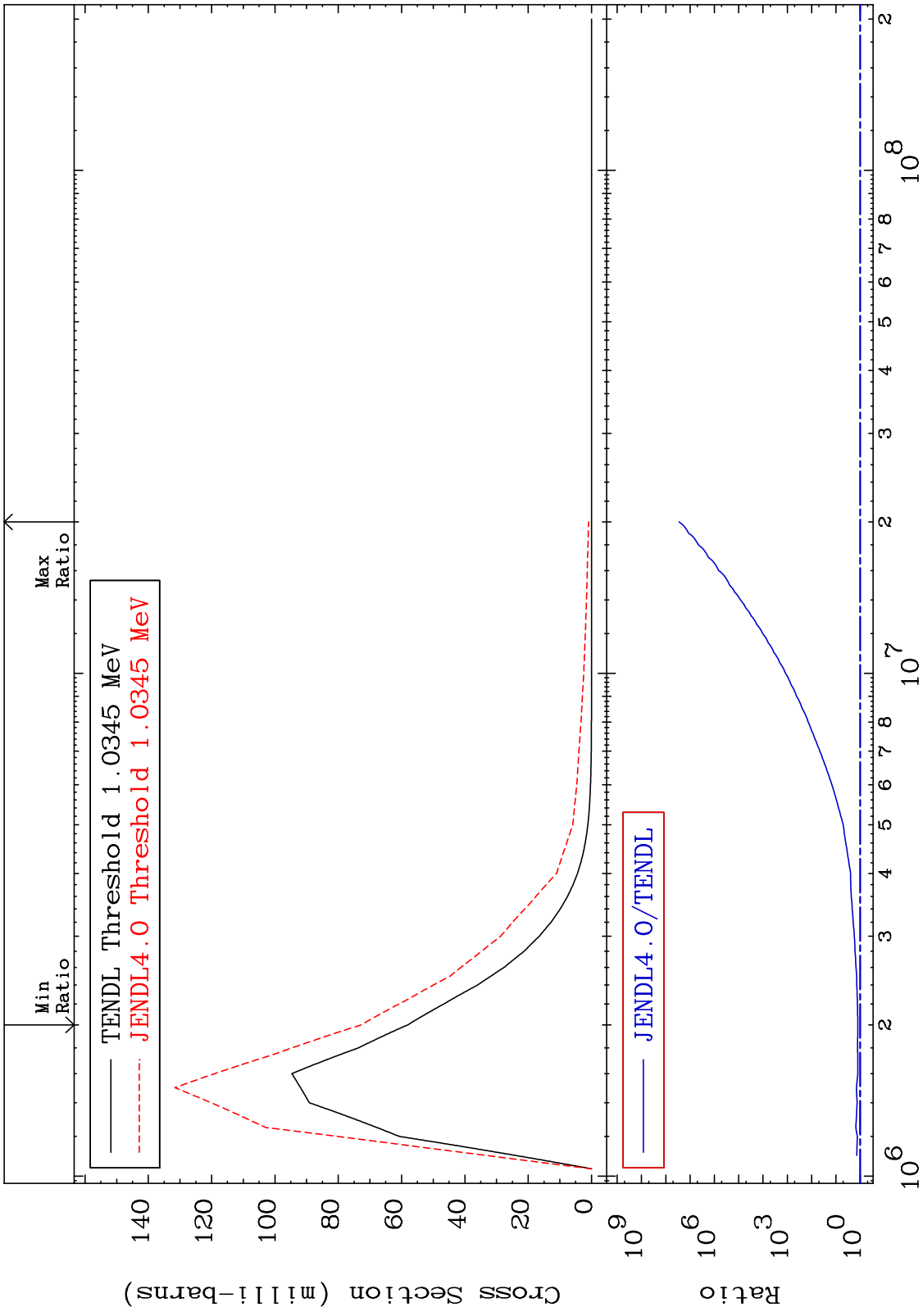


MAT 8037 MT= 52 (n,n') Level Cross Section 80-Hg-200 -83.25 To 105.9 %



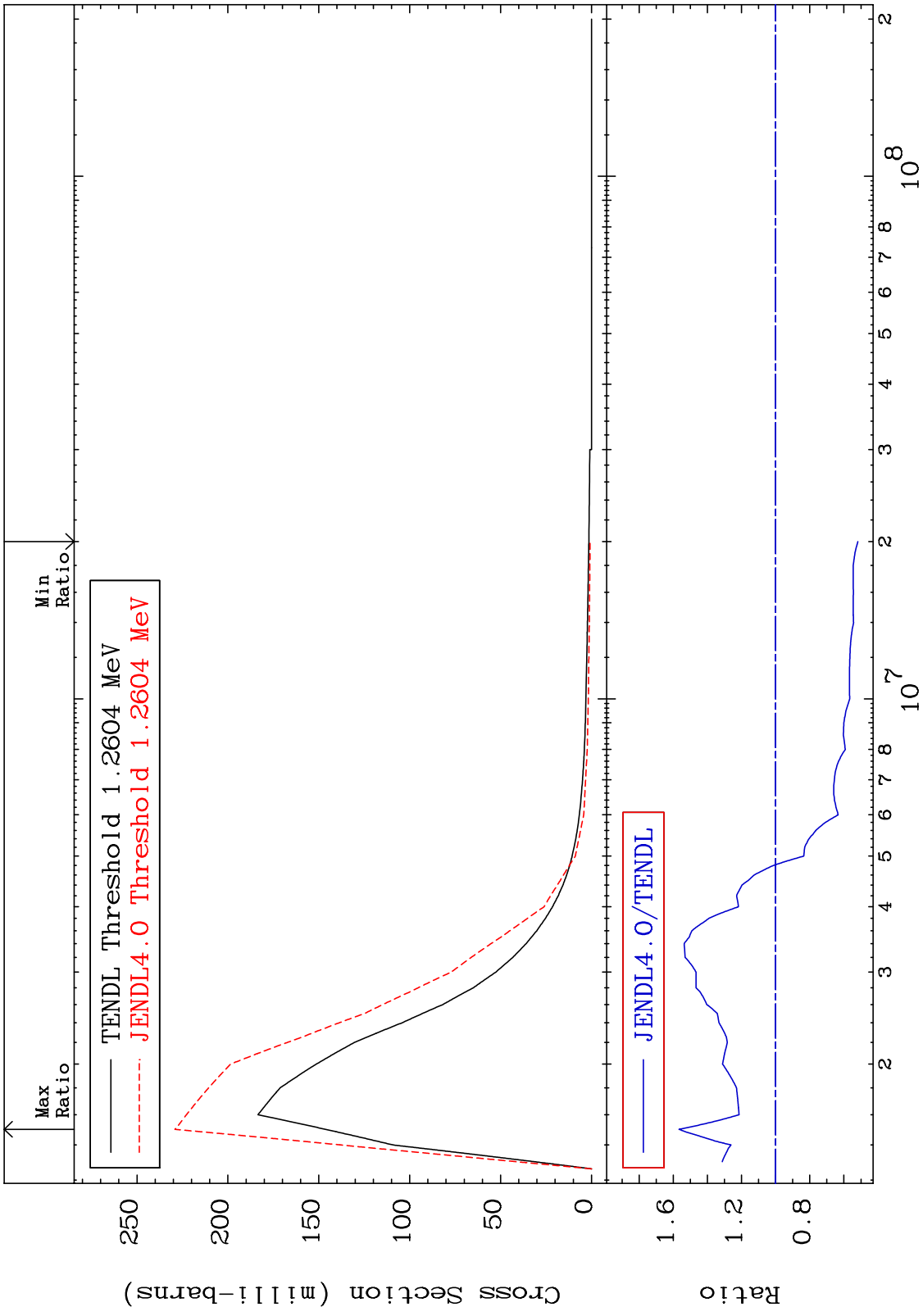
80-Hg-200

MAT 8037 MT= 53 (n,n') Level Cross Section 80-Hg-200 To 9999. %



Incident Energy (eV) 80-Hg-200

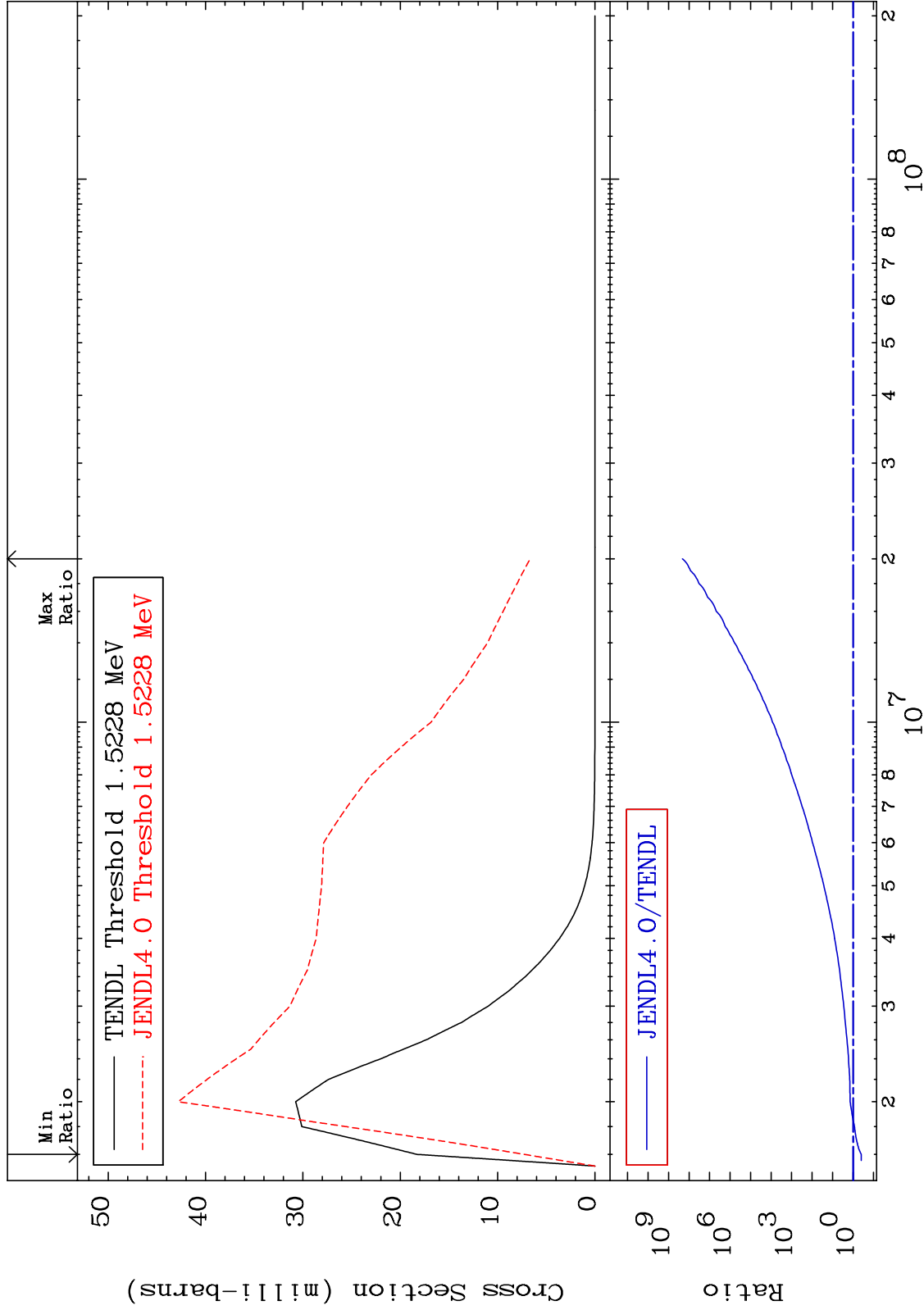
MAT 8037 MT= 54 (n,n') Level Cross Section 80-Hg-200  
 -48.17 To 56.66 %



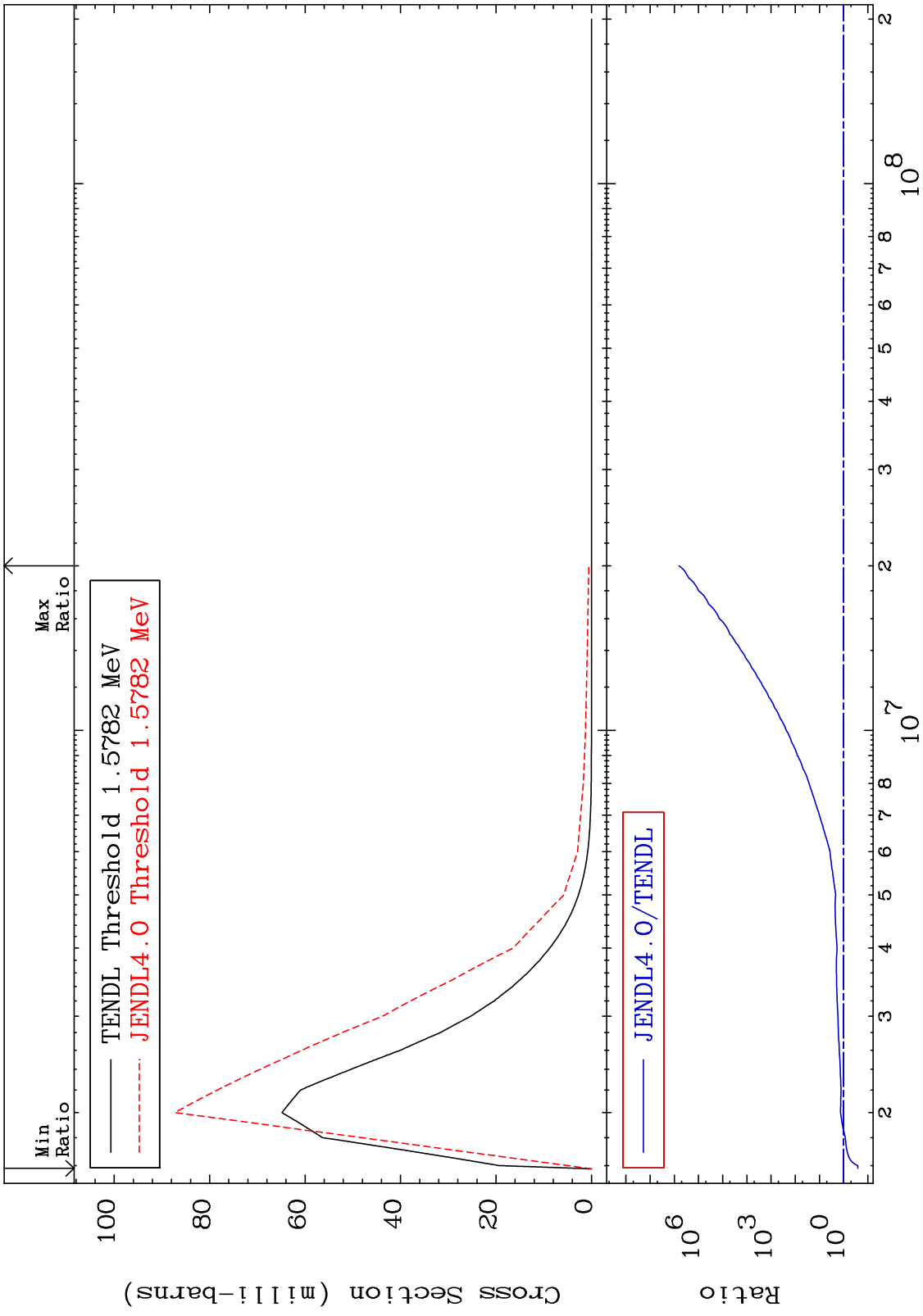
MAT 8037

MT= 55 (n,n') Level  
Cross Section

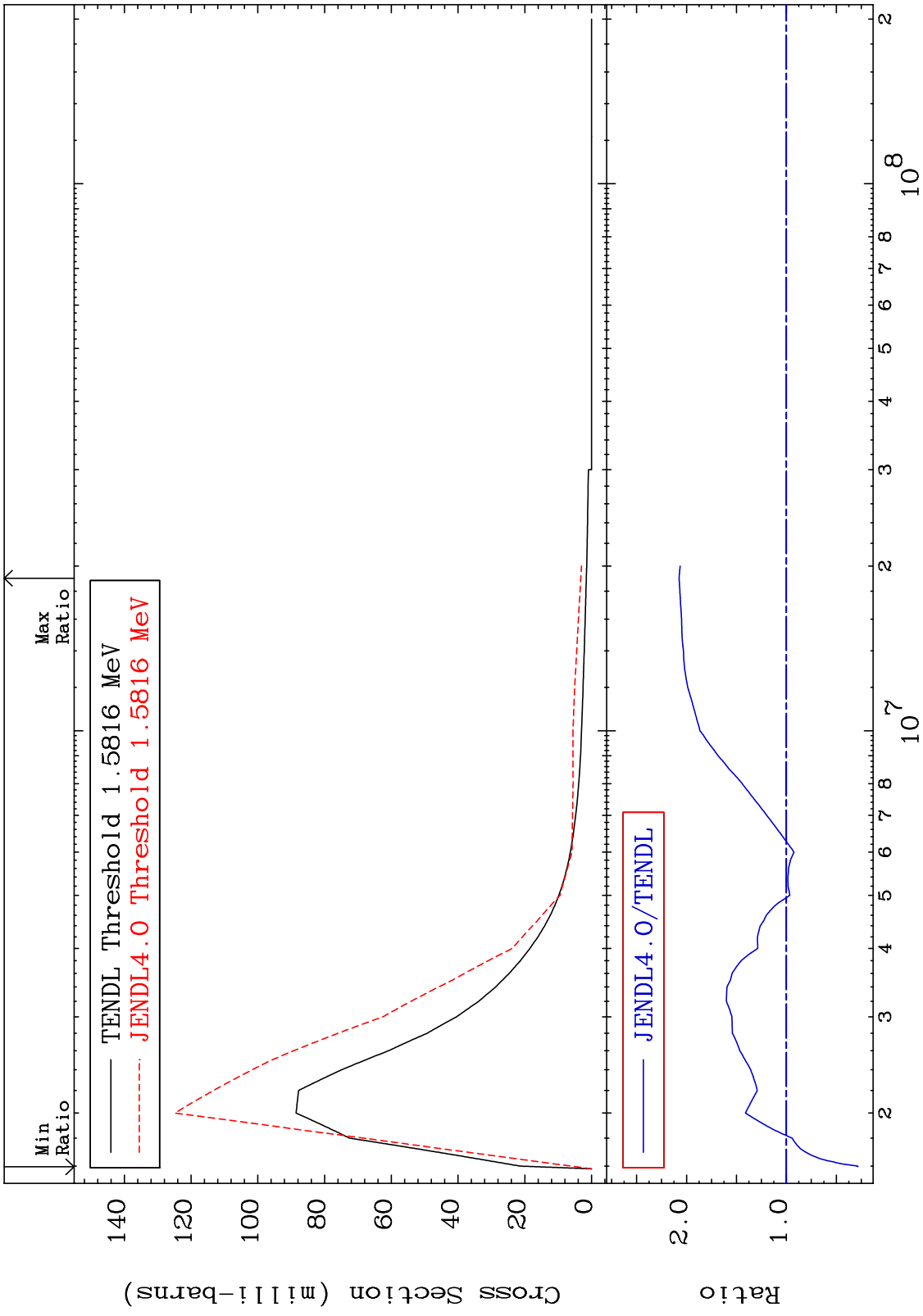
80-Hg-200  
-60.29 To 9999. %



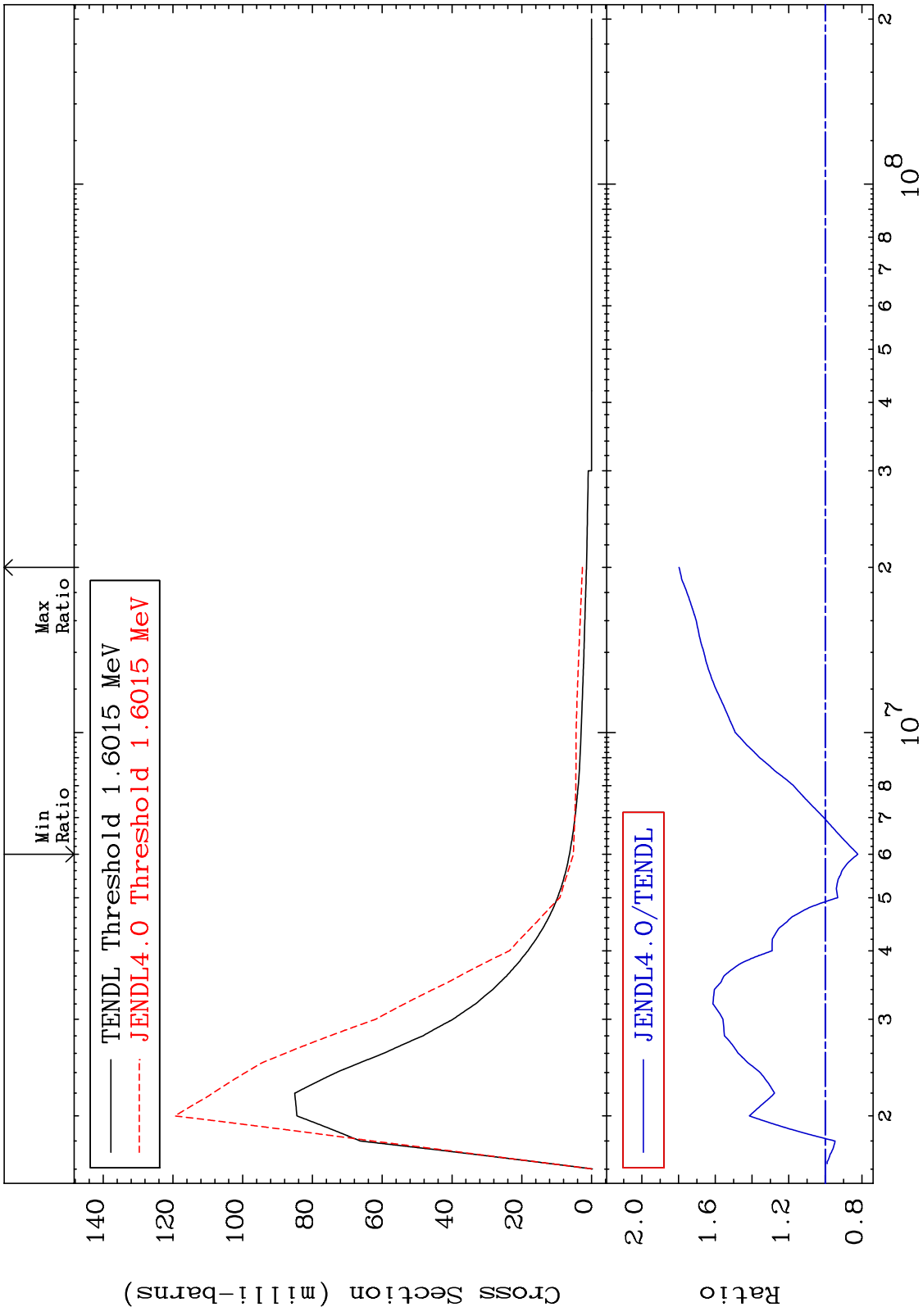
MAT 8037 MT= 56 (n,n') Level Cross Section -74.14 To 9999. % 80-Hg-200



MAT 8037 MT= 57 (n,n') Level Cross Section -71.57 To 107.5 % 80-Hg-200

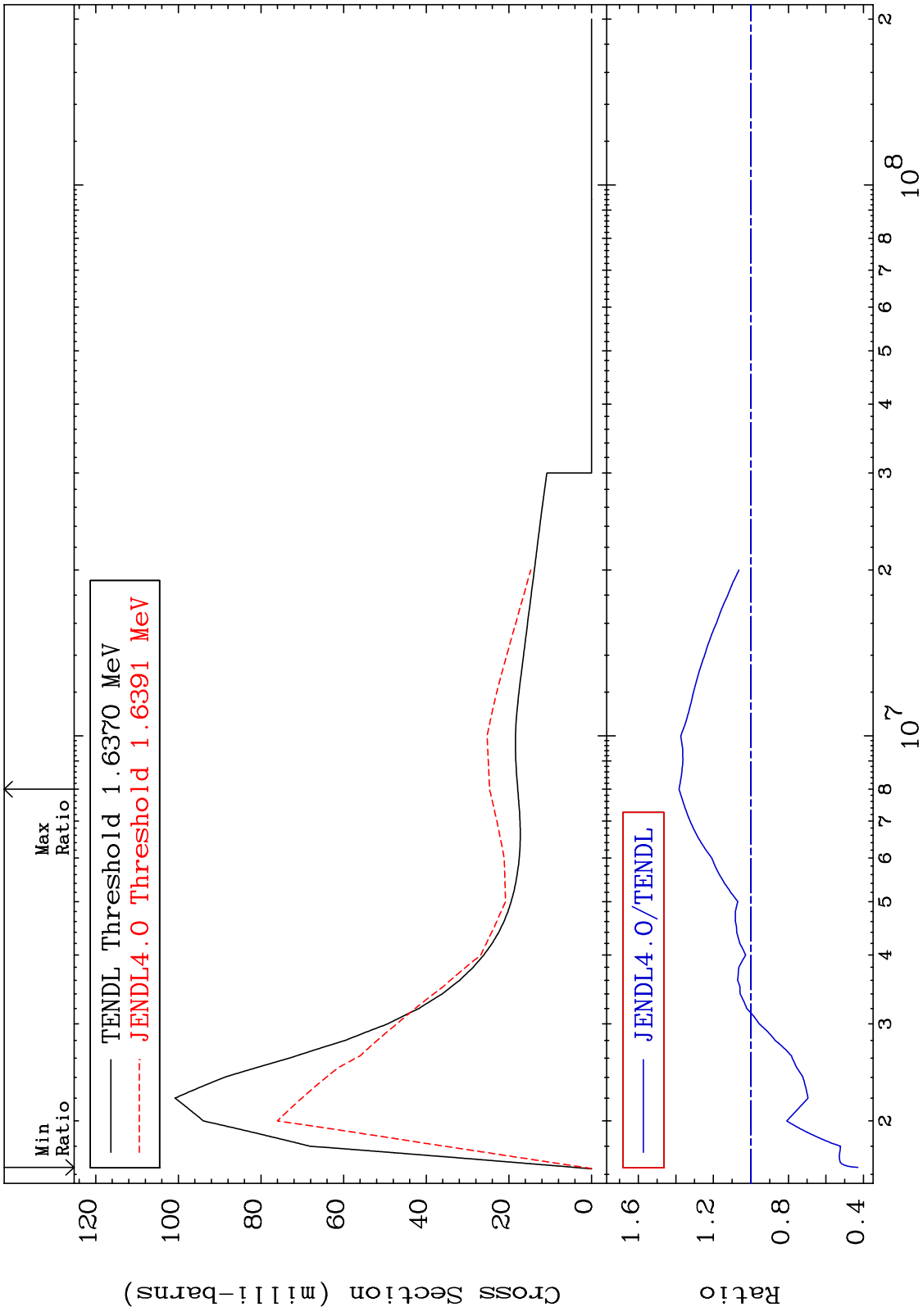


MAT 8037 MT= 58 (n,n') Level Cross Section -17.73 To 79.76 % 80-Hg-200

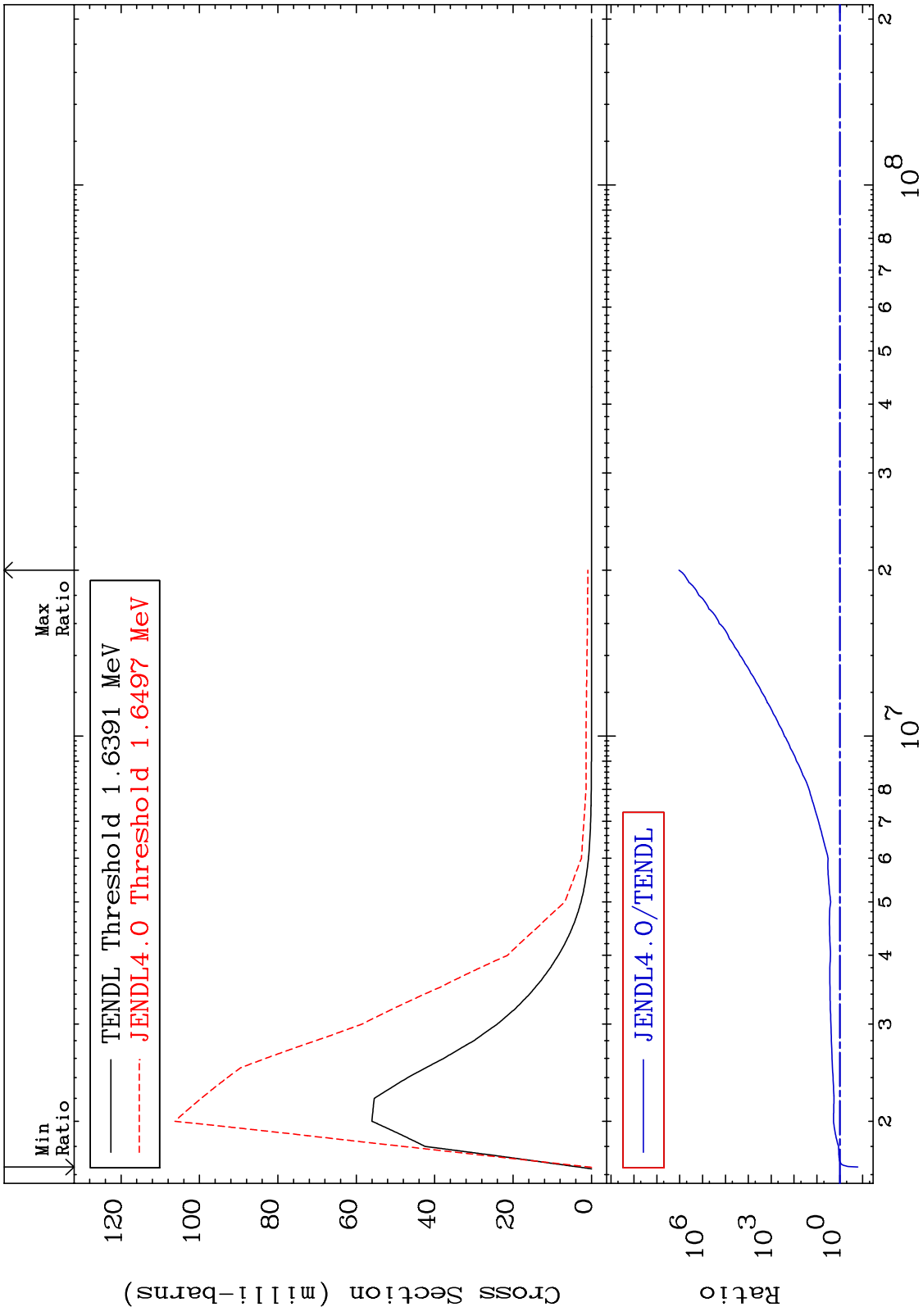




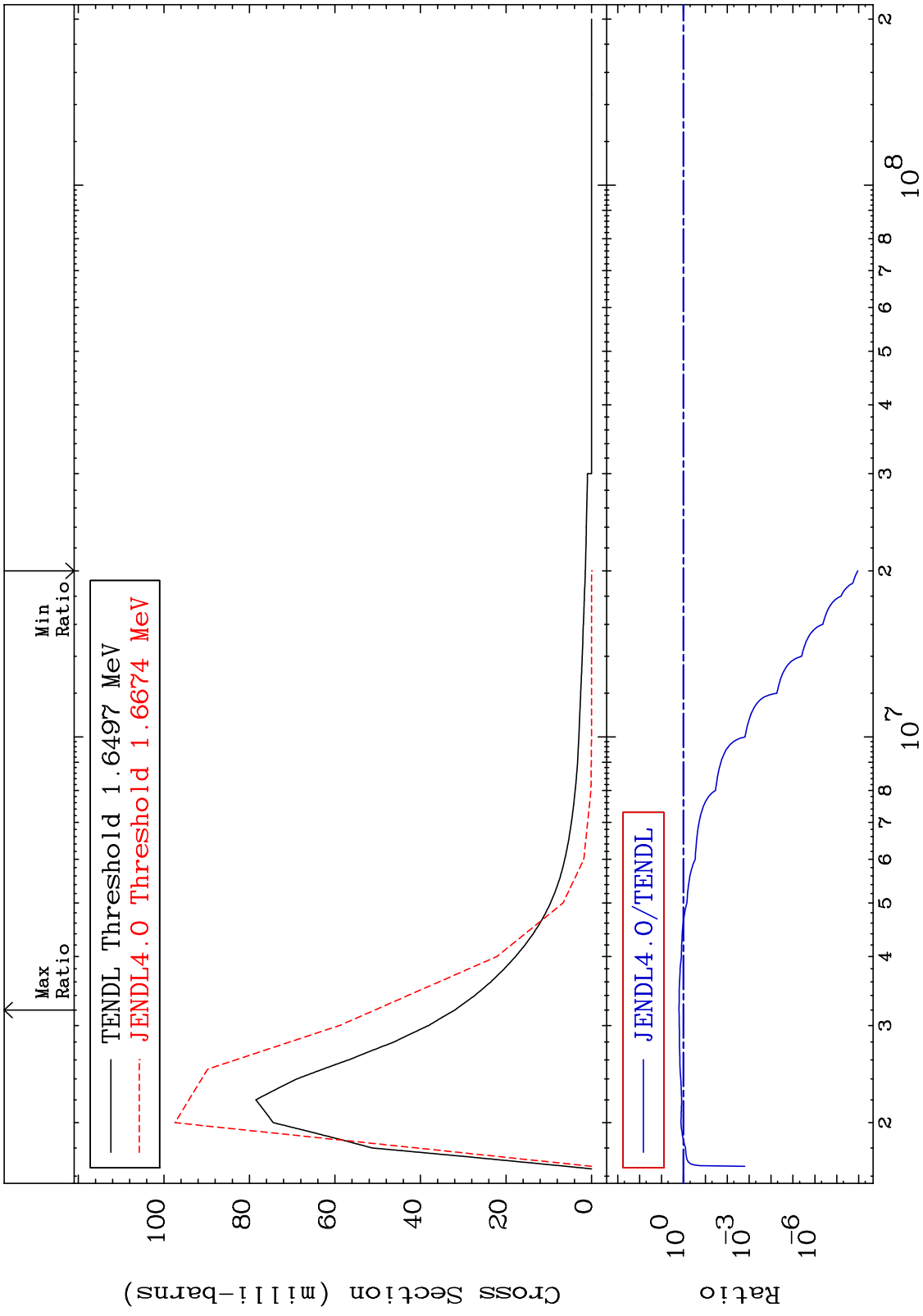
MAT 8037 MT= 59 (n,n') Level Cross Section 80-Hg-200  
 -56.99 To 38.29 %



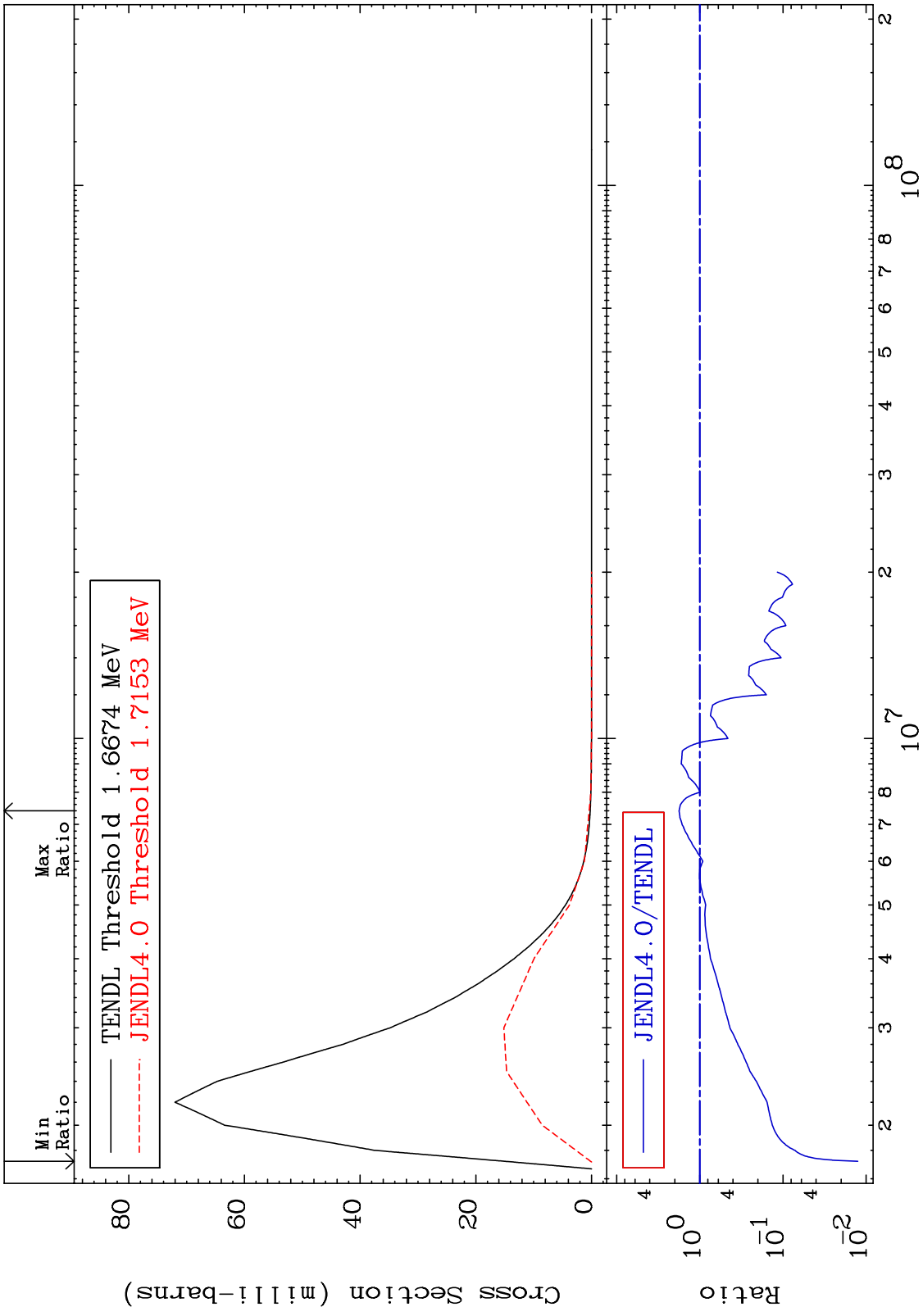
MAT 8037 MT= 60 (n,n') Level Cross Section 80-Hg-200  
 -83.72 To 9999. %



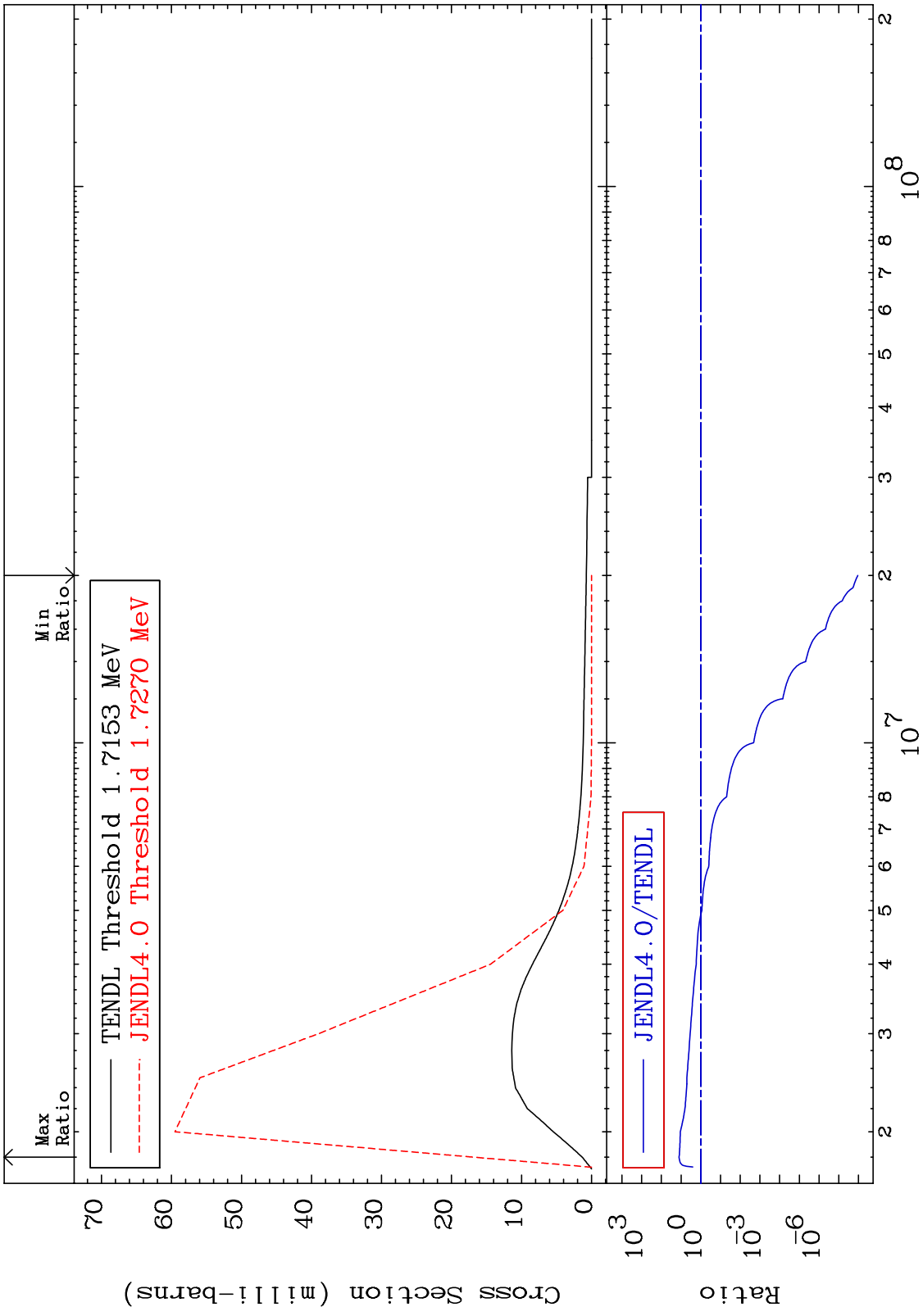
MAT 8037 MT= 61 (n,n') Level Cross Section -100.0 To 58.50 % 80-Hg-200



MAT 8037 MT= 62 (n,n') Level Cross Section 80-Hg-200  
 -98.74 To 77.69 %



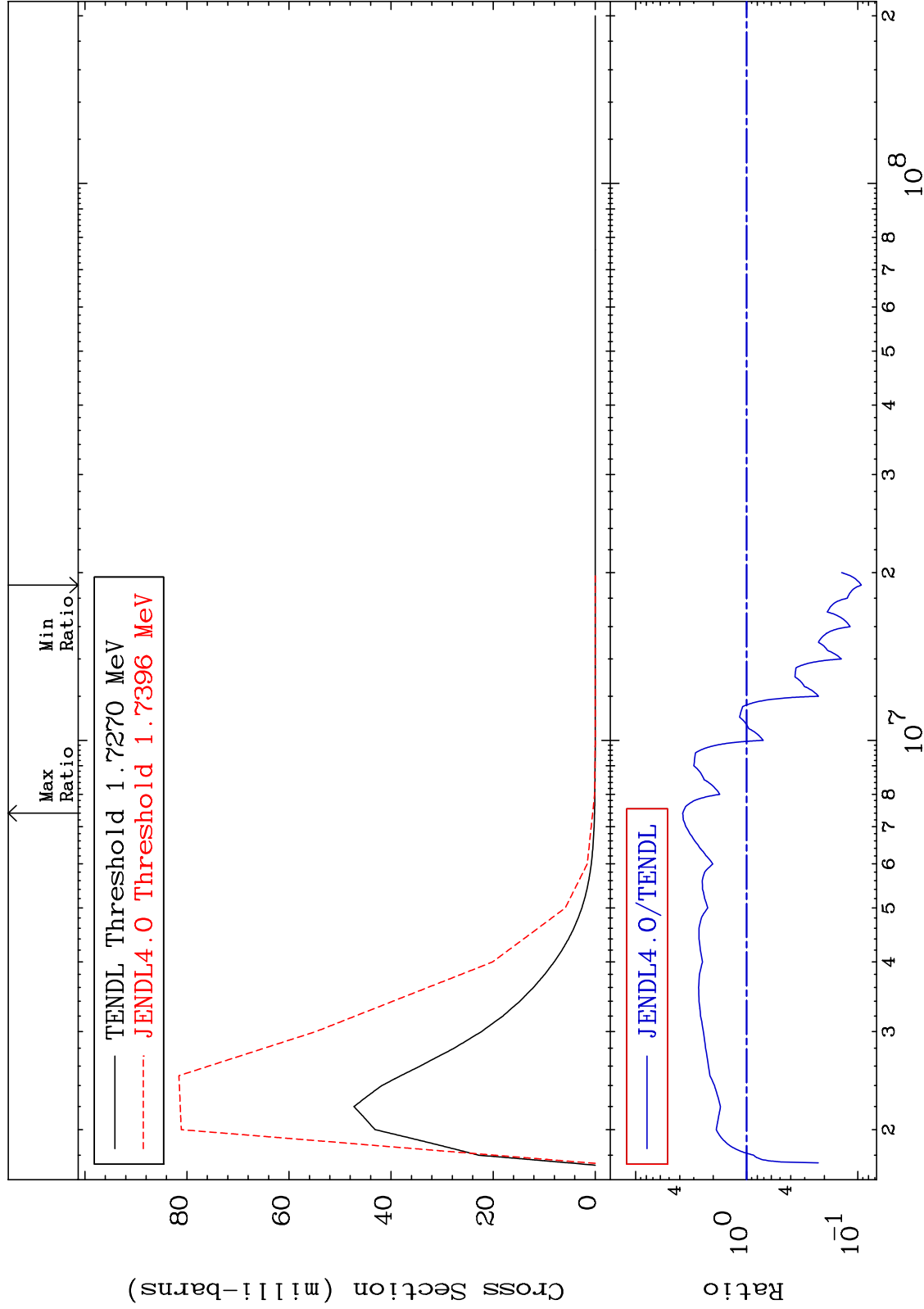
MAT 8037 MT= 63 (n,n') Level Cross Section -100.0 To 1165. % 80-Hg-200



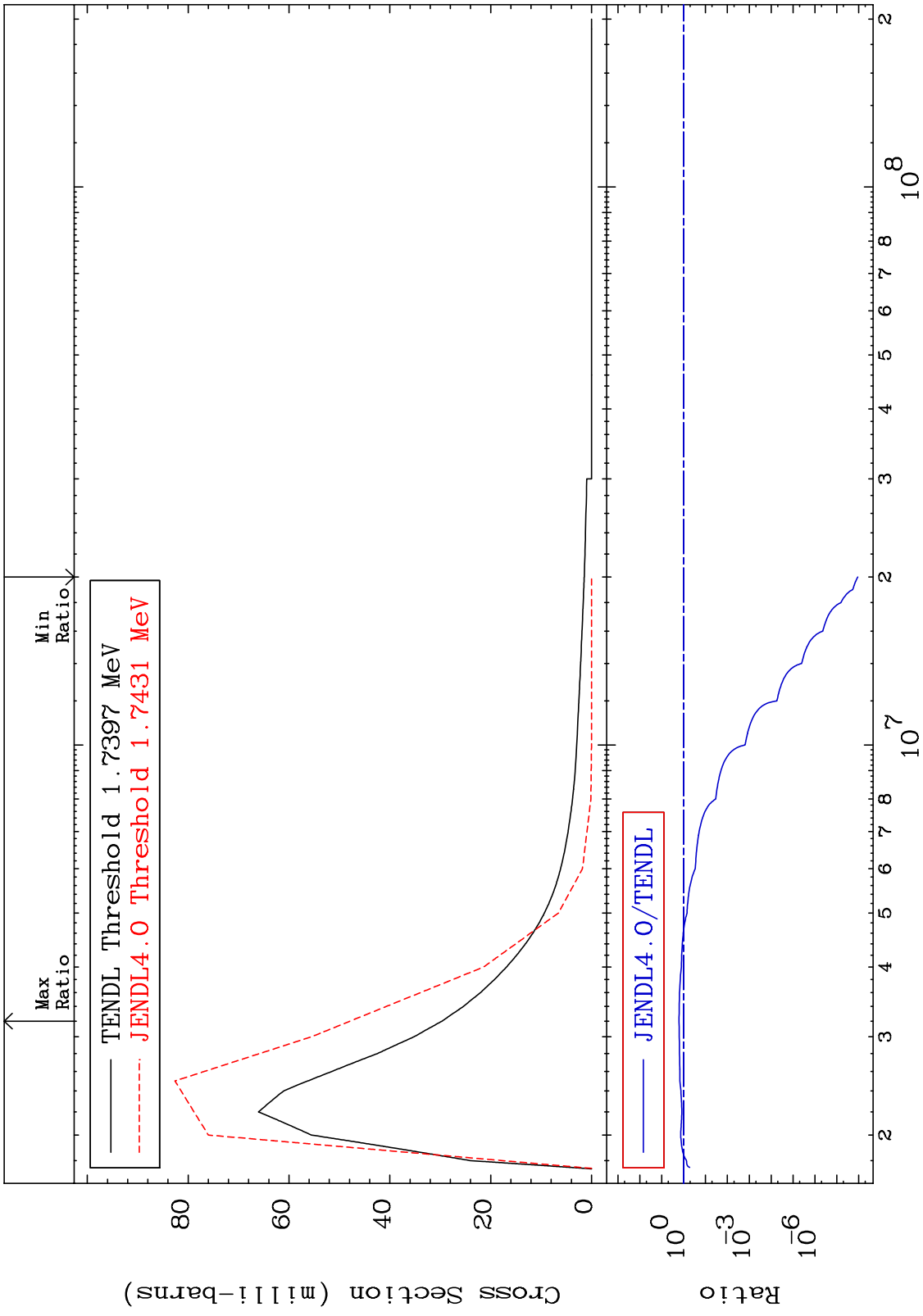
MAT 8037

MT= 64 (n,n') Level  
Cross Section

80-Hg-200  
-90.73 To 276.8 %



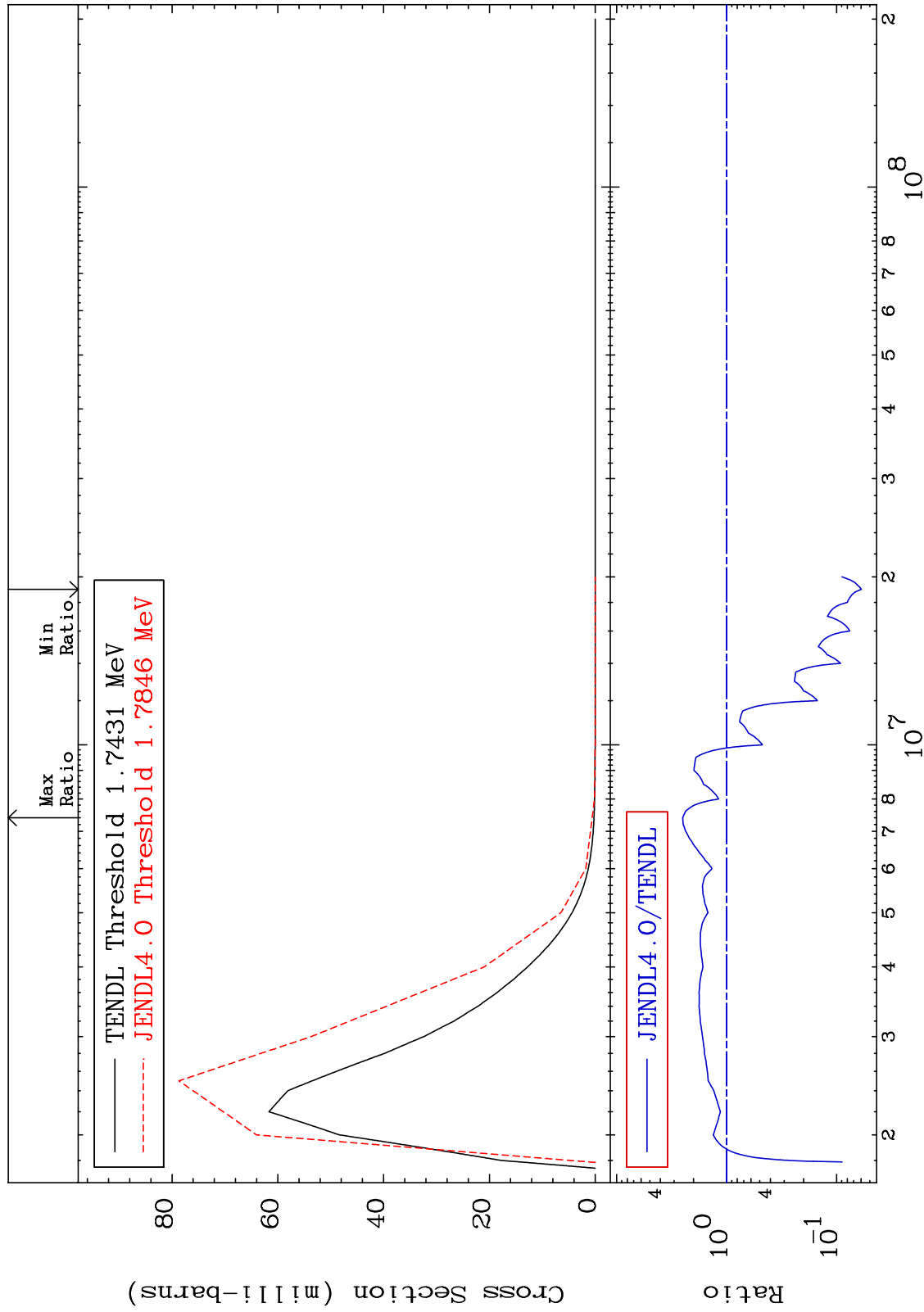
MAT 8037 MT= 65 (n,n') Level Cross Section -100.0 To 61.54 % 80-Hg-200



MAT 8037

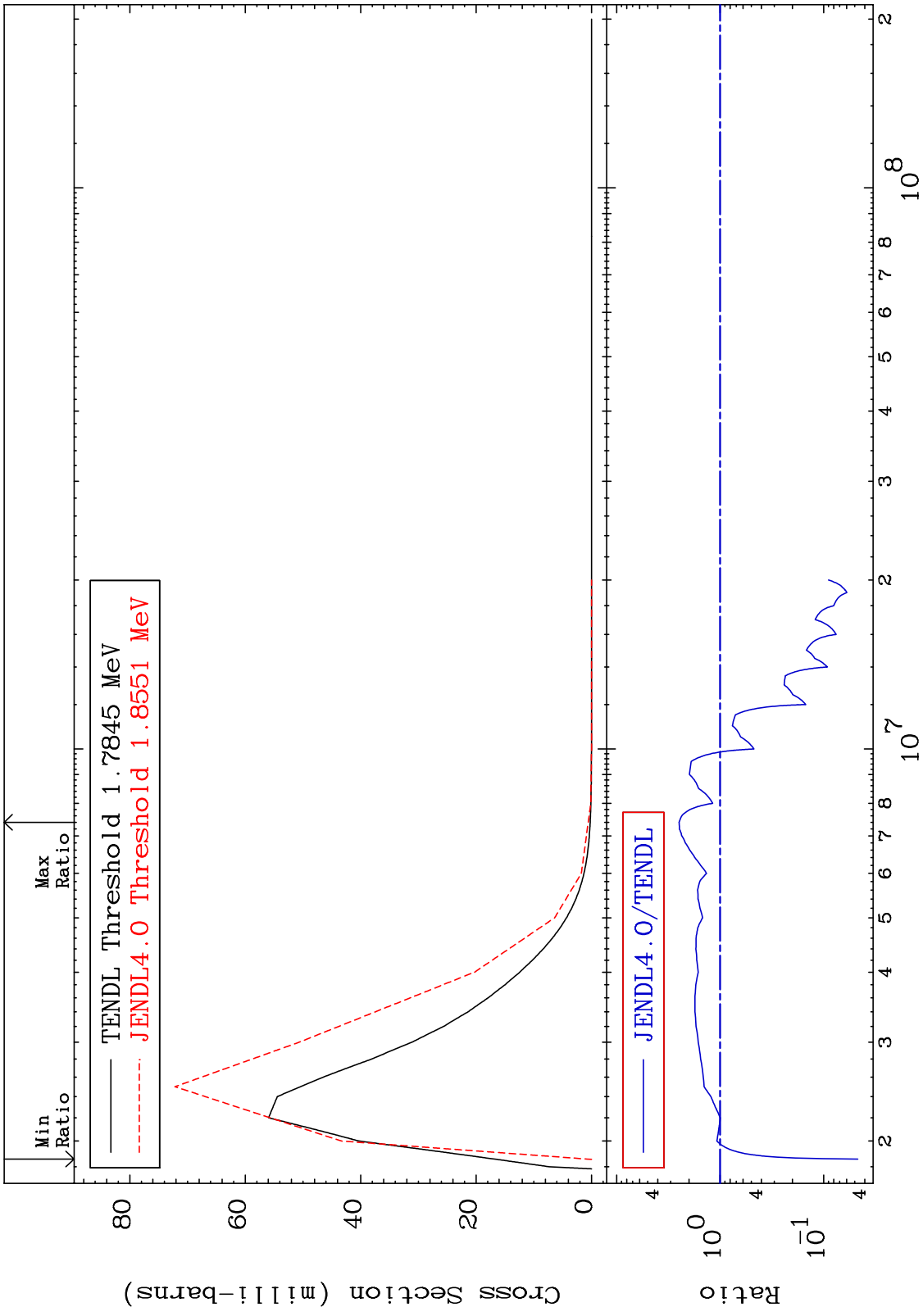
MT= 66 (n,n') Level  
Cross Section

80-Hg-200  
-94.03 To 151.0 %

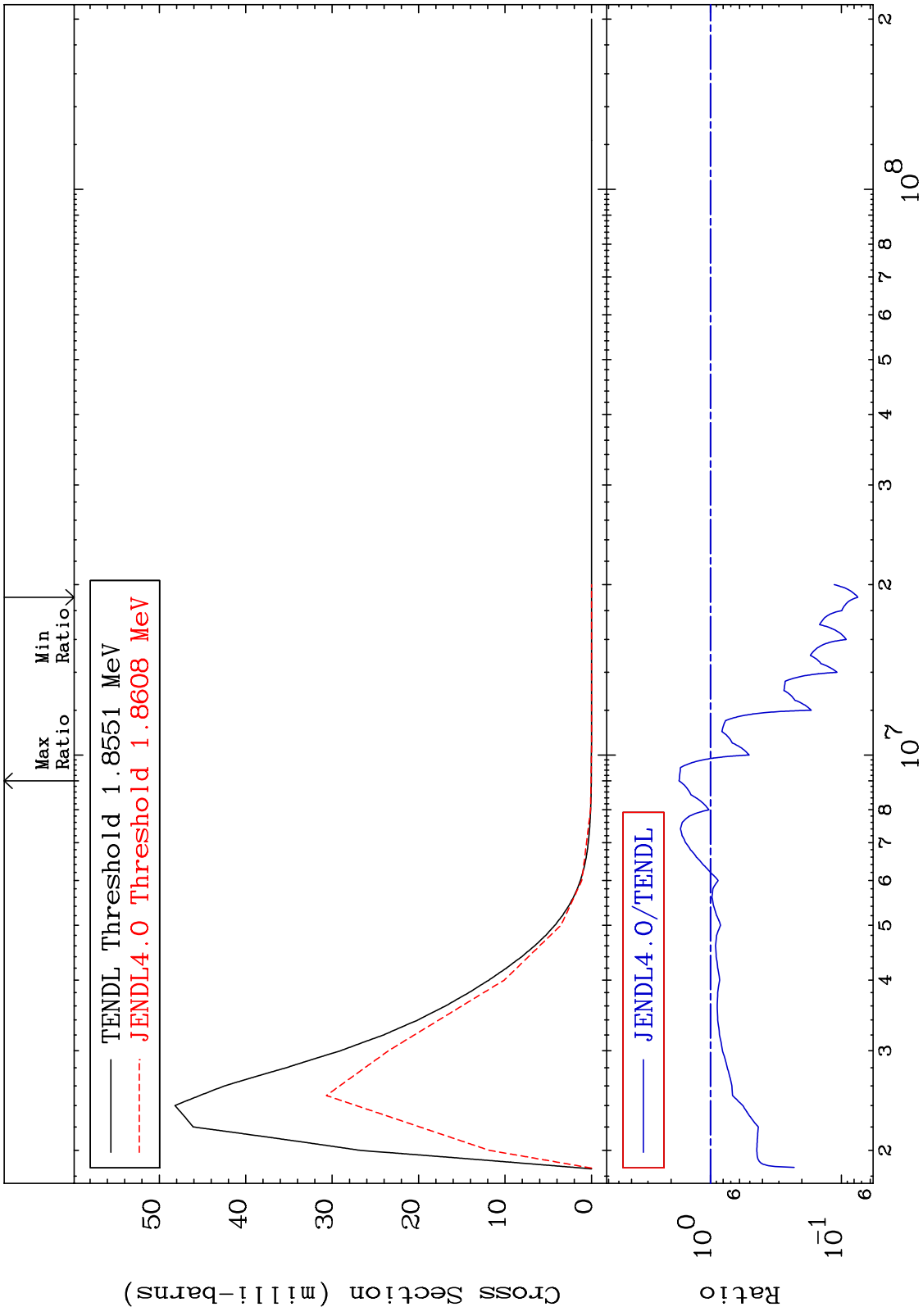




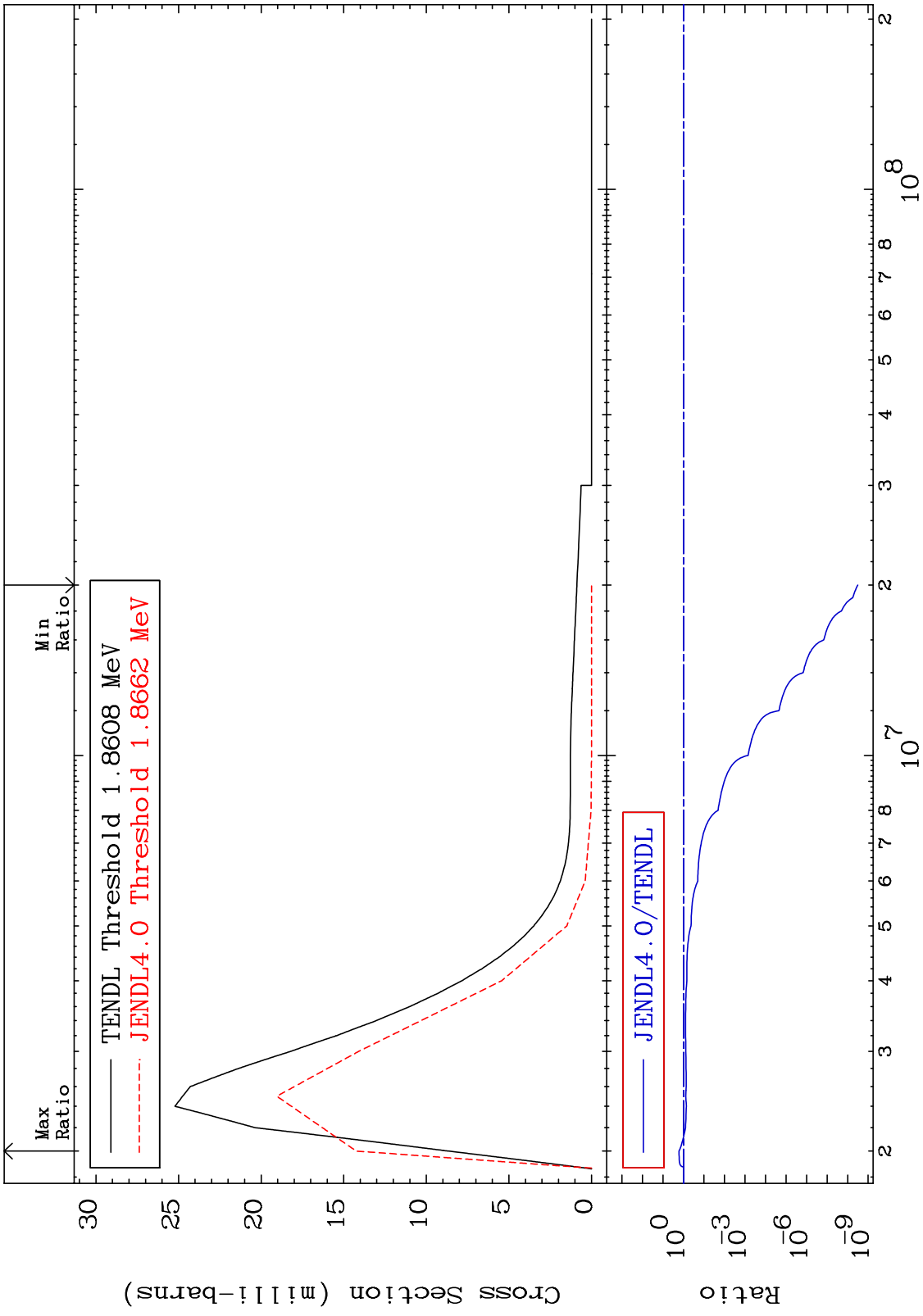
MAT 8037 MT= 67 (n,n') Level Cross Section 80-Hg-200 -95.32 To 149.6 %



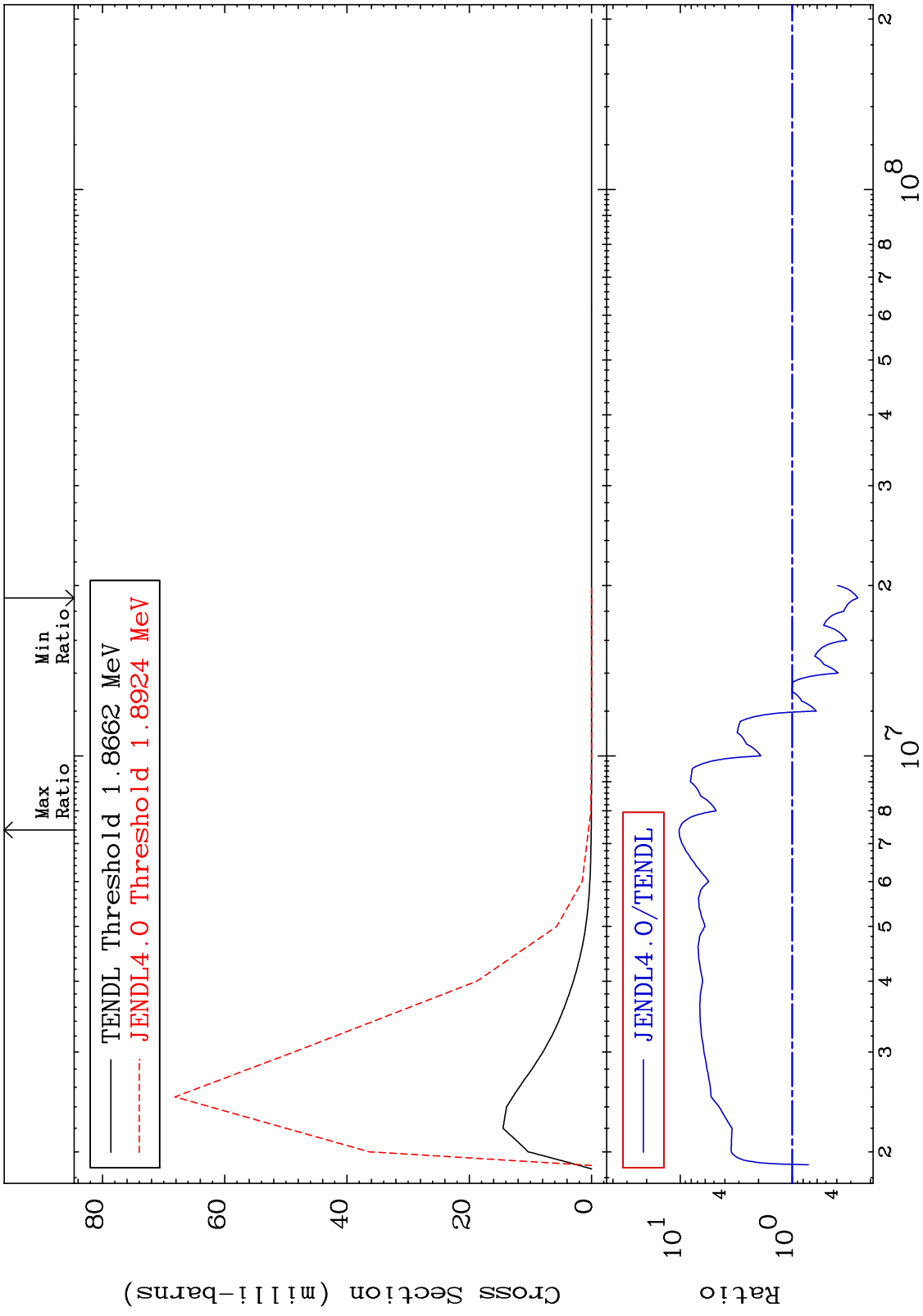
MAT 8037 MT= 68 (n,n') Level Cross Section 80-Hg-200  
 -92.52 To 73.61 %



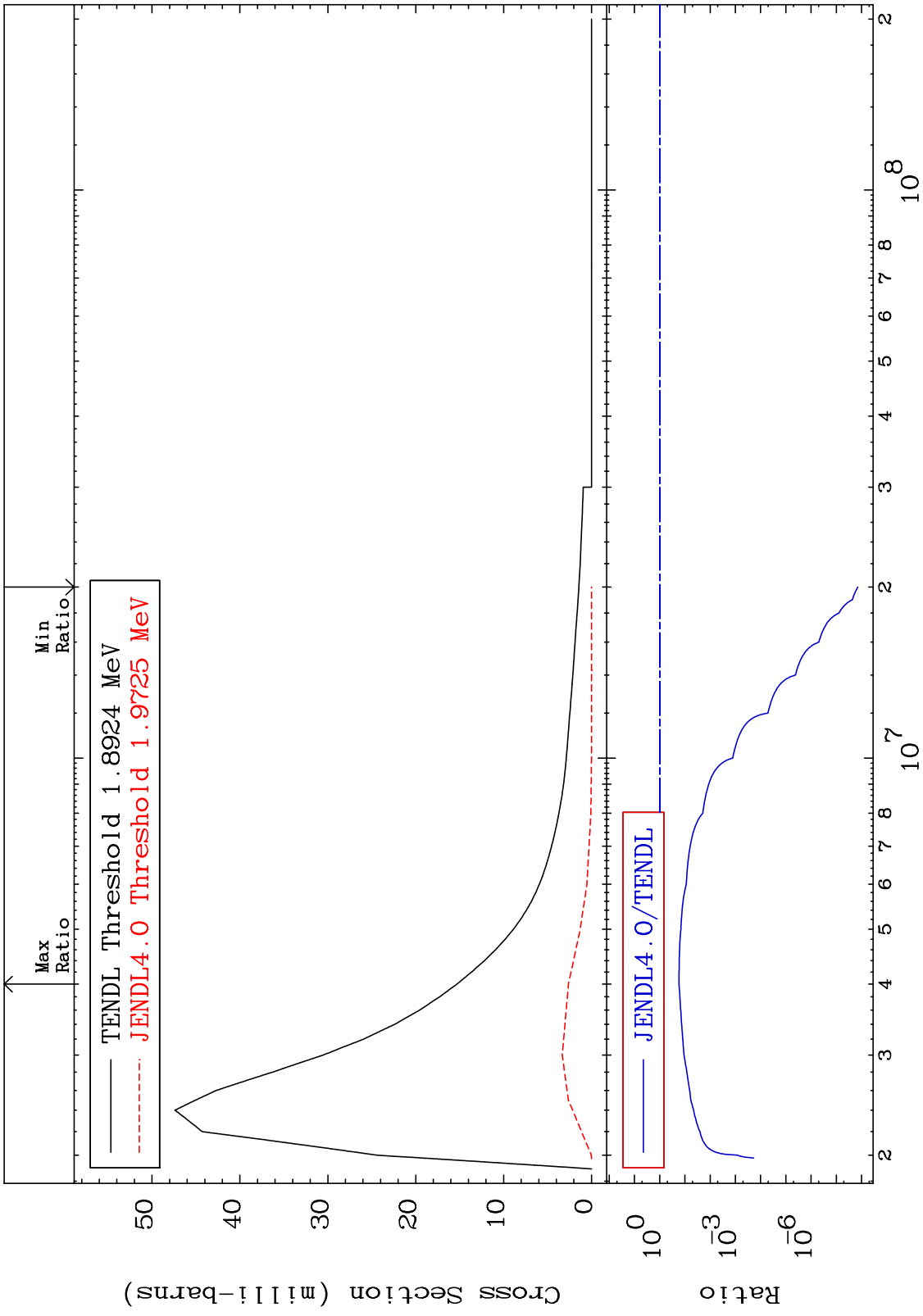
MAT 8037 MT= 69 (n,n') Level Cross Section -100.0 To 64.51 % 80-Hg-200



MAT 8037 MT= 70 (n,n') Level Cross Section -74.04 To 925.6 % 80-Hg-200



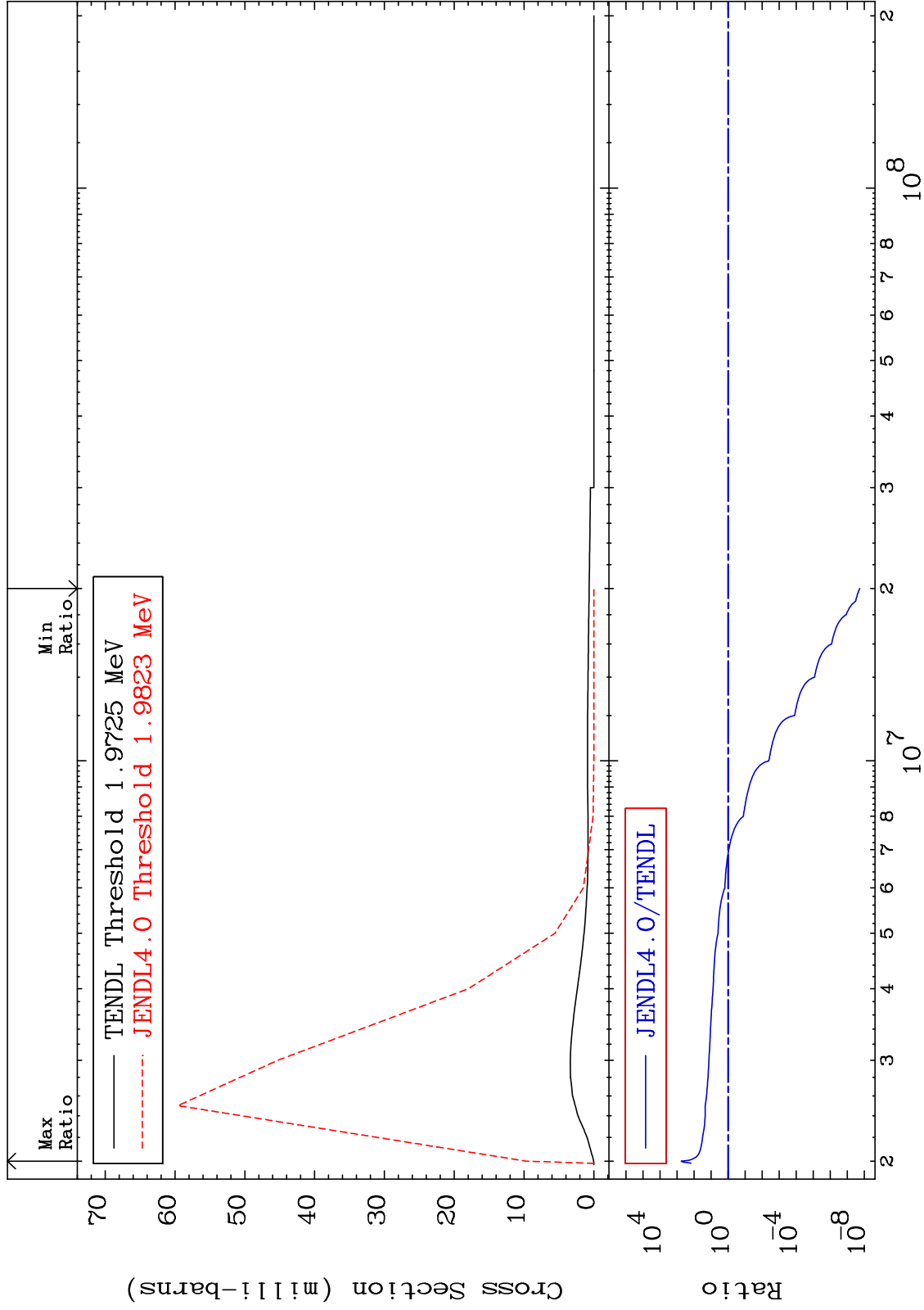
MAT 8037 MT= 71 (n,n') Level Cross Section -100.0 To -82.89% 80-Hg-200



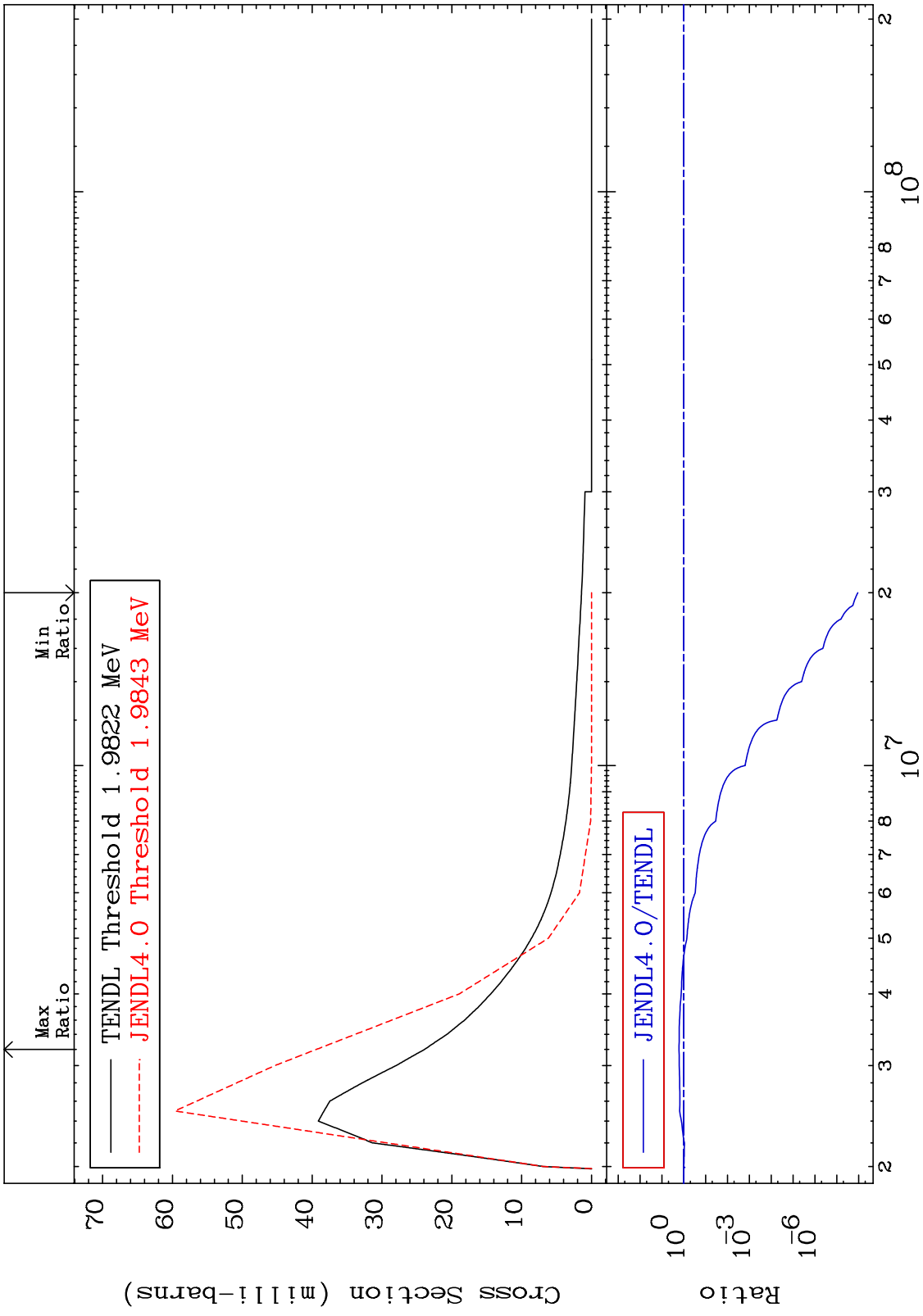
MAT 8037

MT= 72 (n,n') Level  
Cross Section

80-Hg-200  
-100.0 To 9999. %



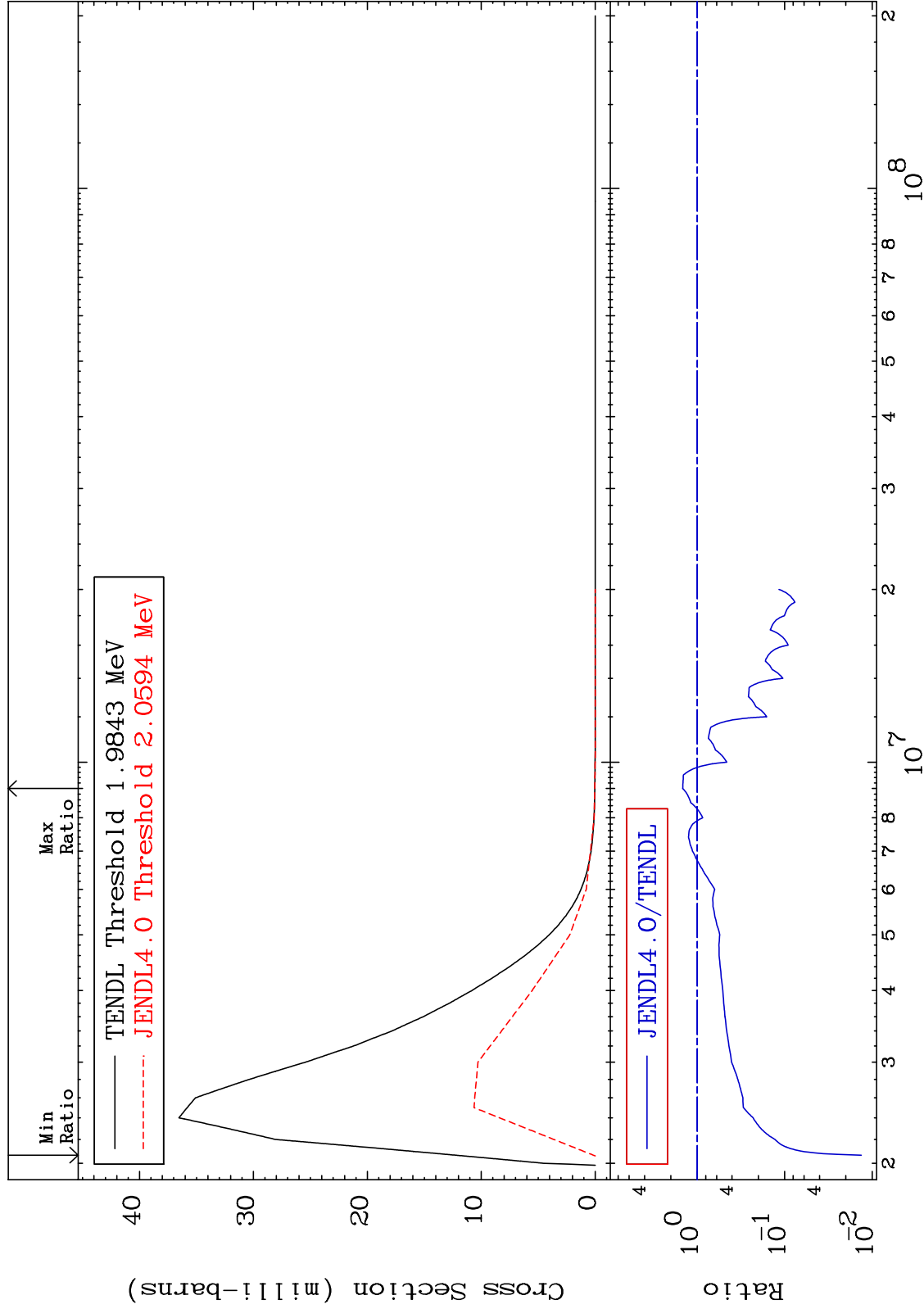
MAT 8037 MT= 73 (n,n') Level Cross Section 80-Hg-200  
 -100.0 To 64.83 %



MAT 8037

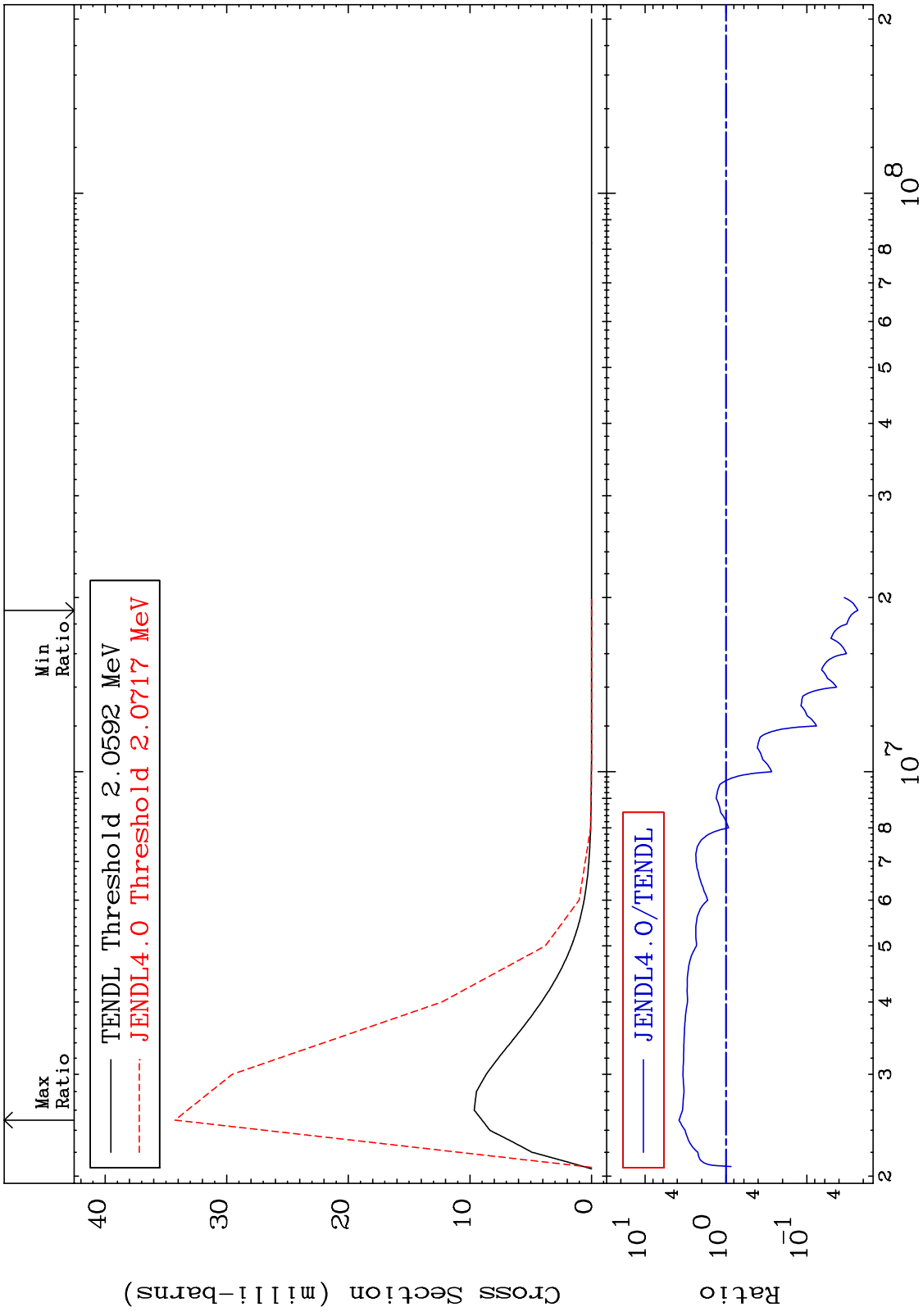
MT= 74 (n,n') Level  
Cross Section

80-Hg-200  
-98.67 To 46.70 %

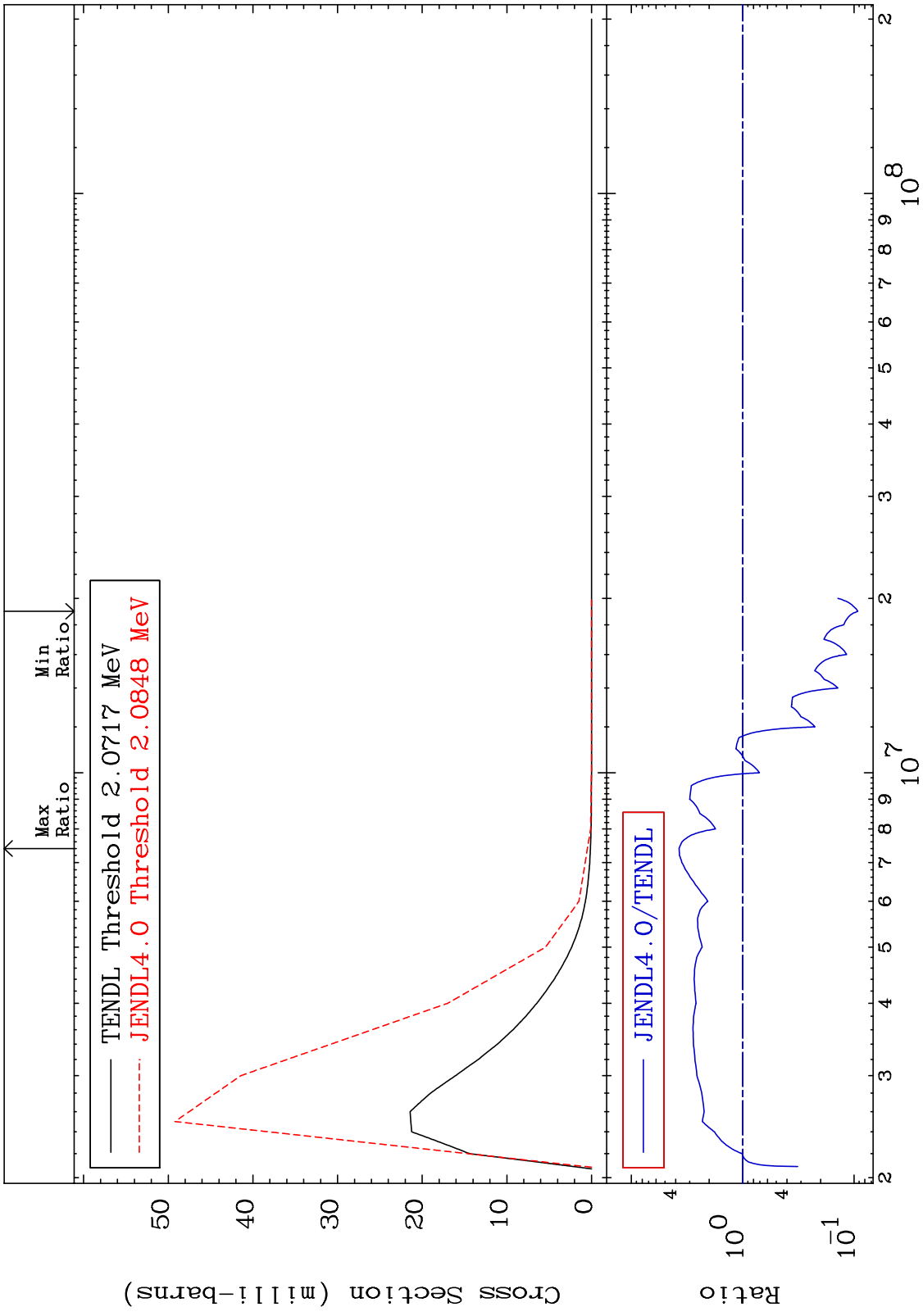




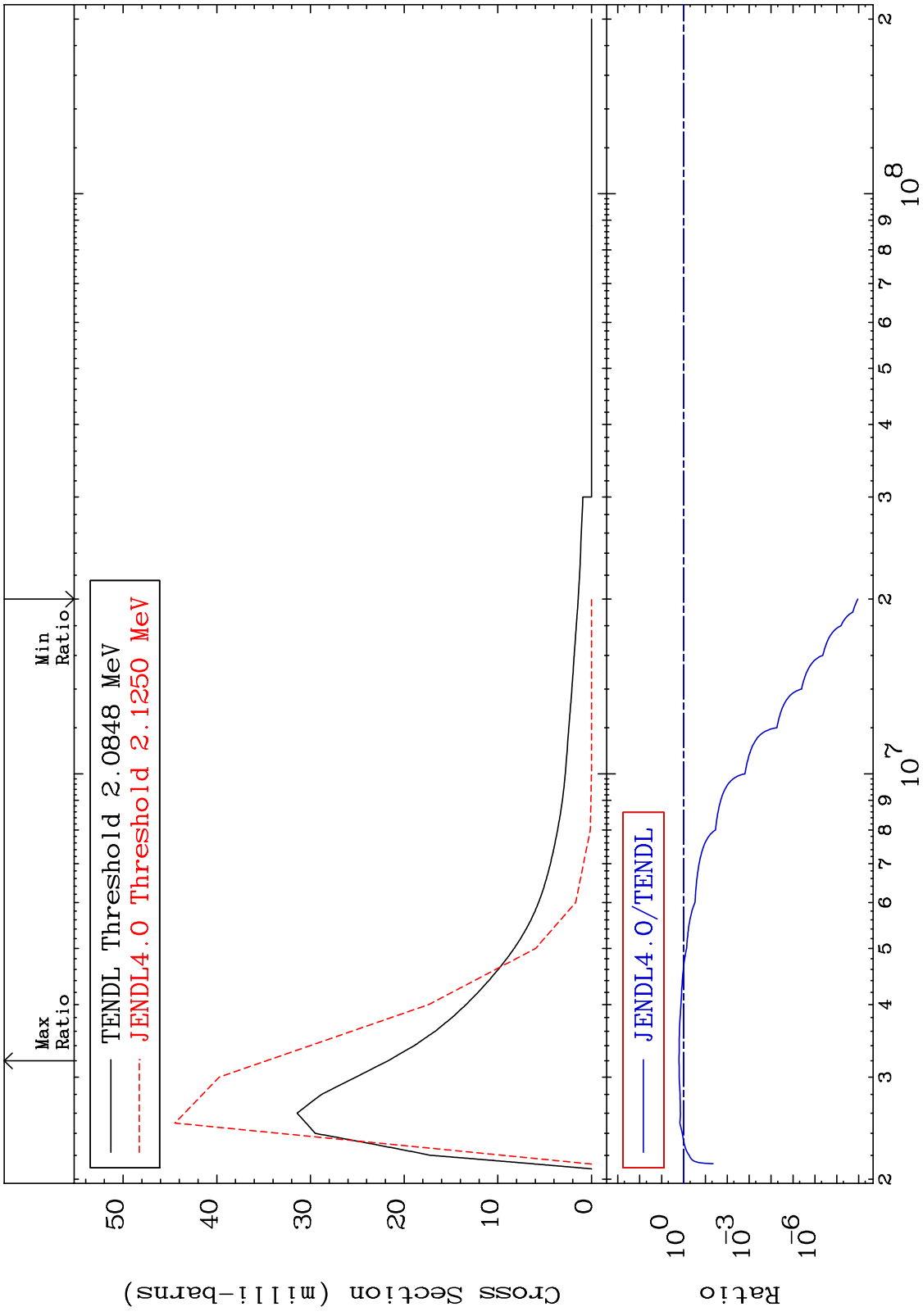
MAT 8037 MT= 75 (n,n') Level Cross Section 80-Hg-200  
 -97.66 To 280.6 %



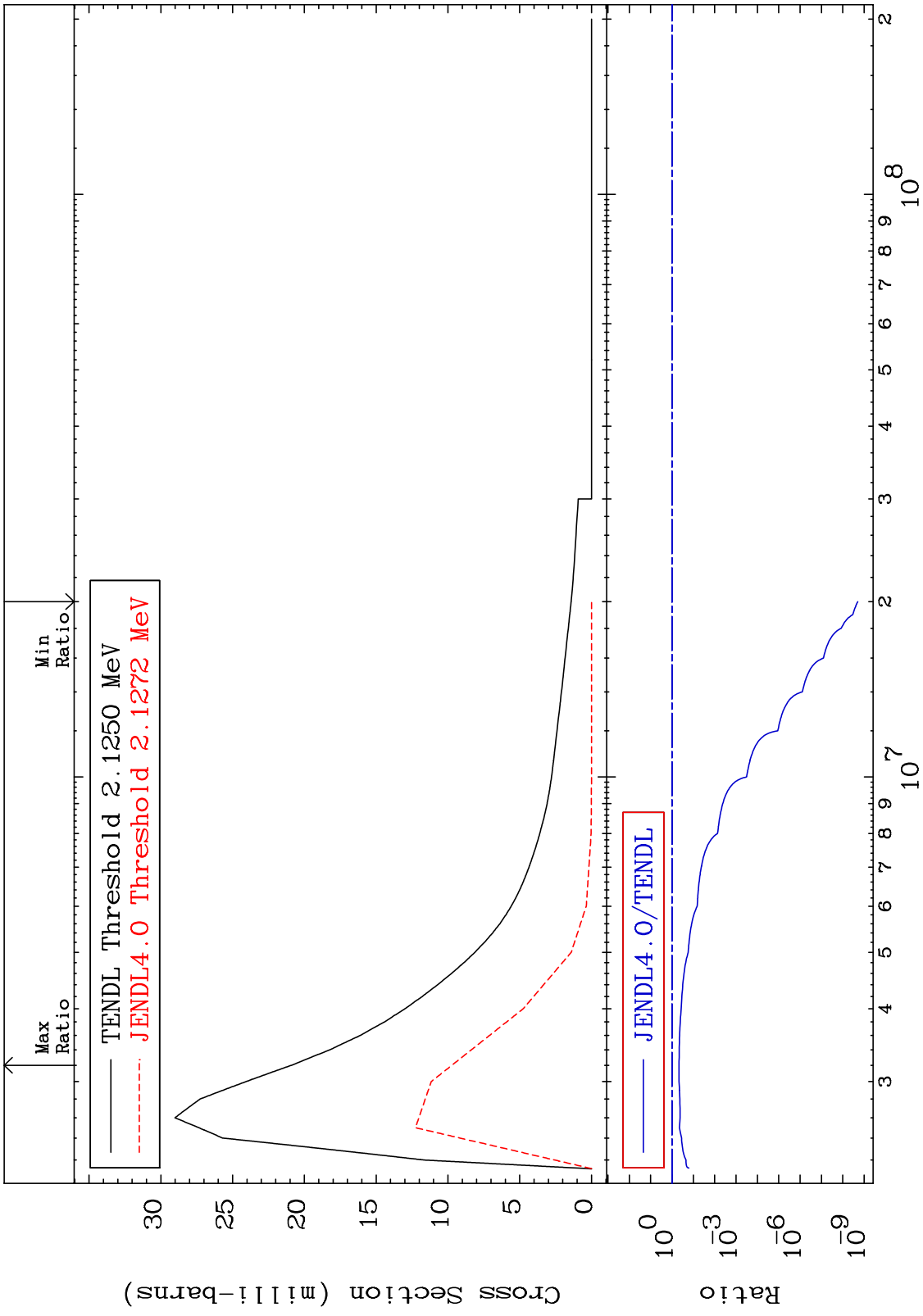
MAT 8037 MT= 76 (n,n') Level Cross Section 80-Hg-200  
 -90.75 To 273.0 %



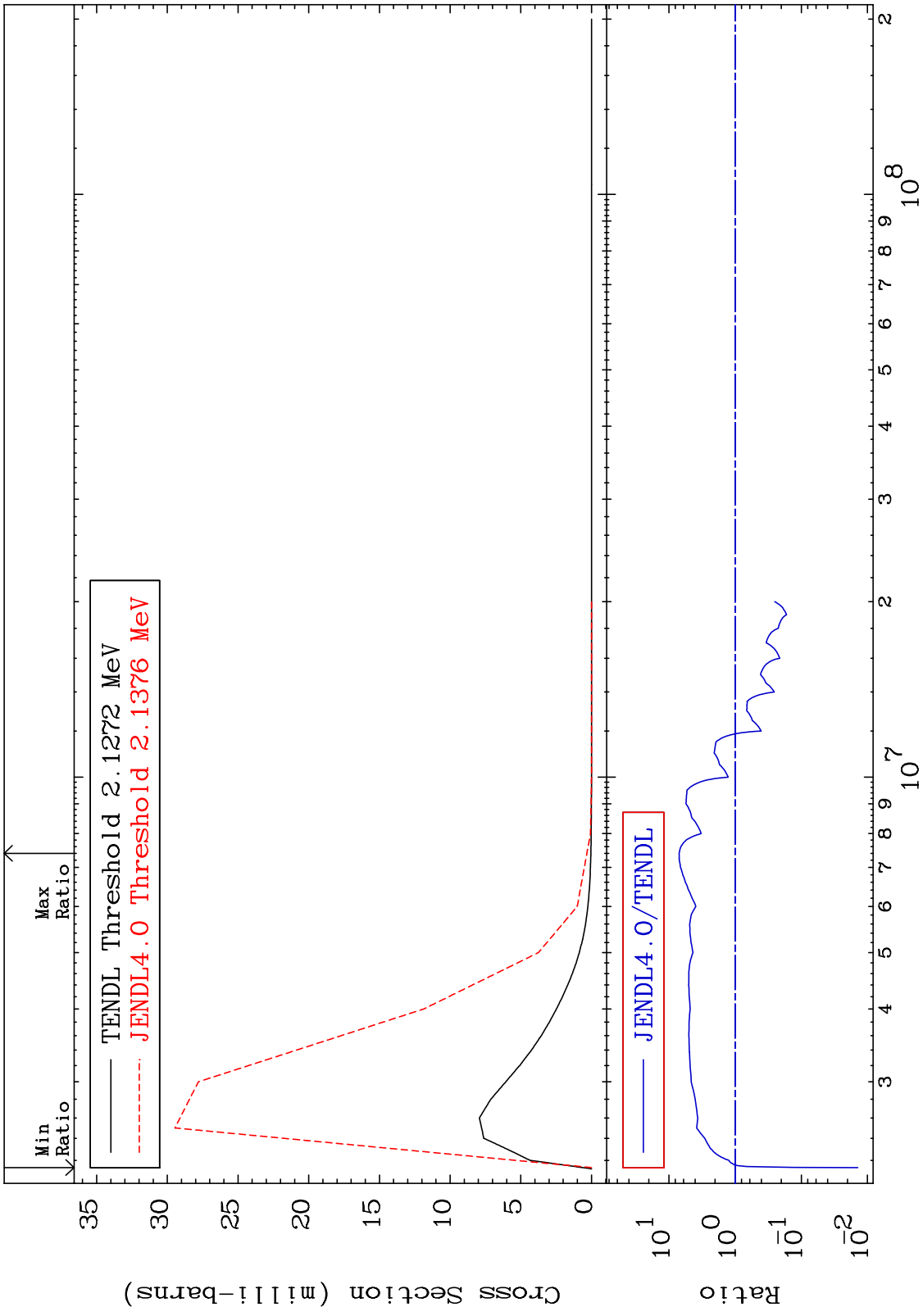
MAT 8037 MT= 77 (n,n') Level Cross Section 80-Hg-200  
 -100.0 To 59.87 %



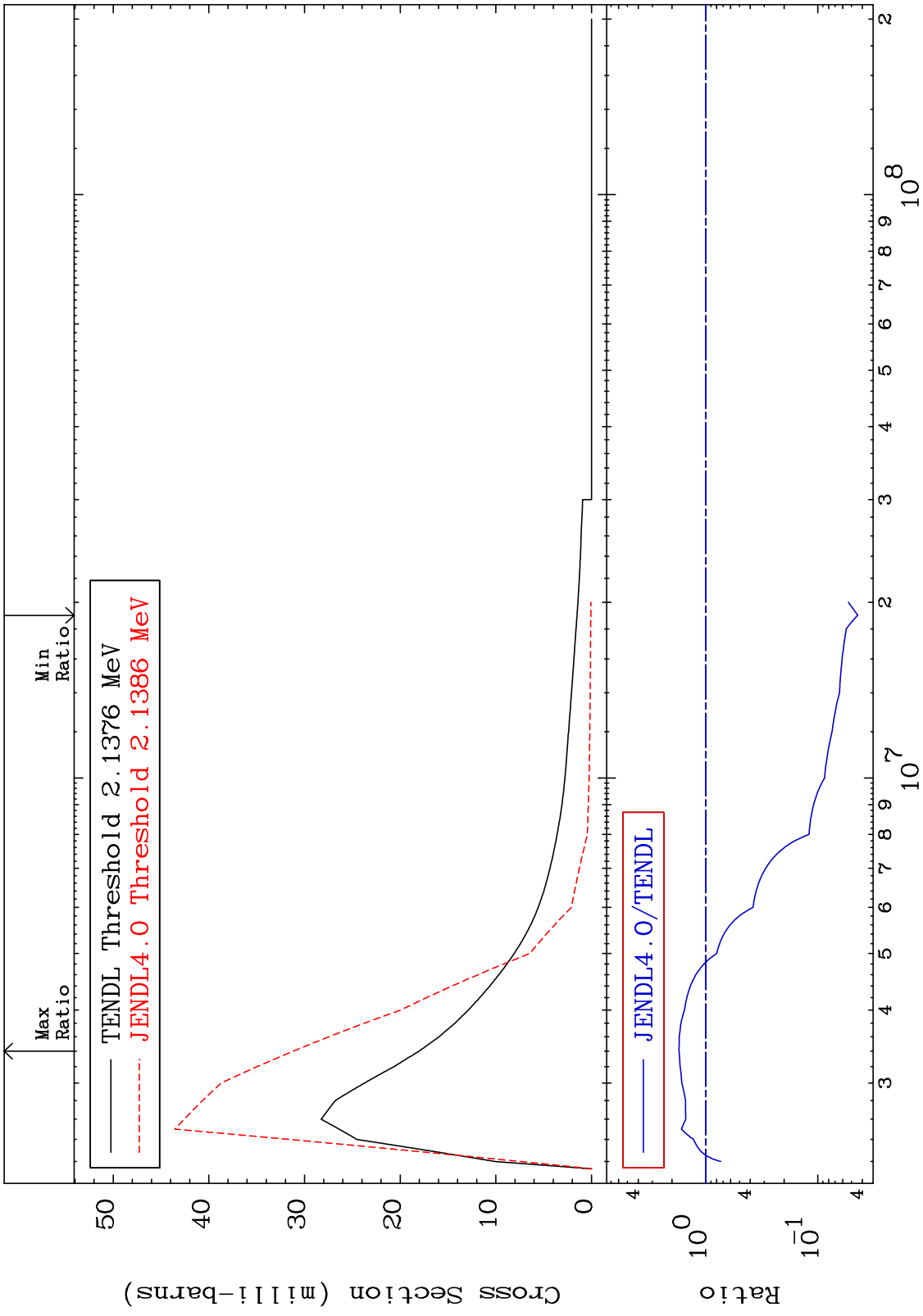
MAT 8037 MT= 78 (n,n') Level Cross Section 80-Hg-200  
 -100.0 To -53.45%



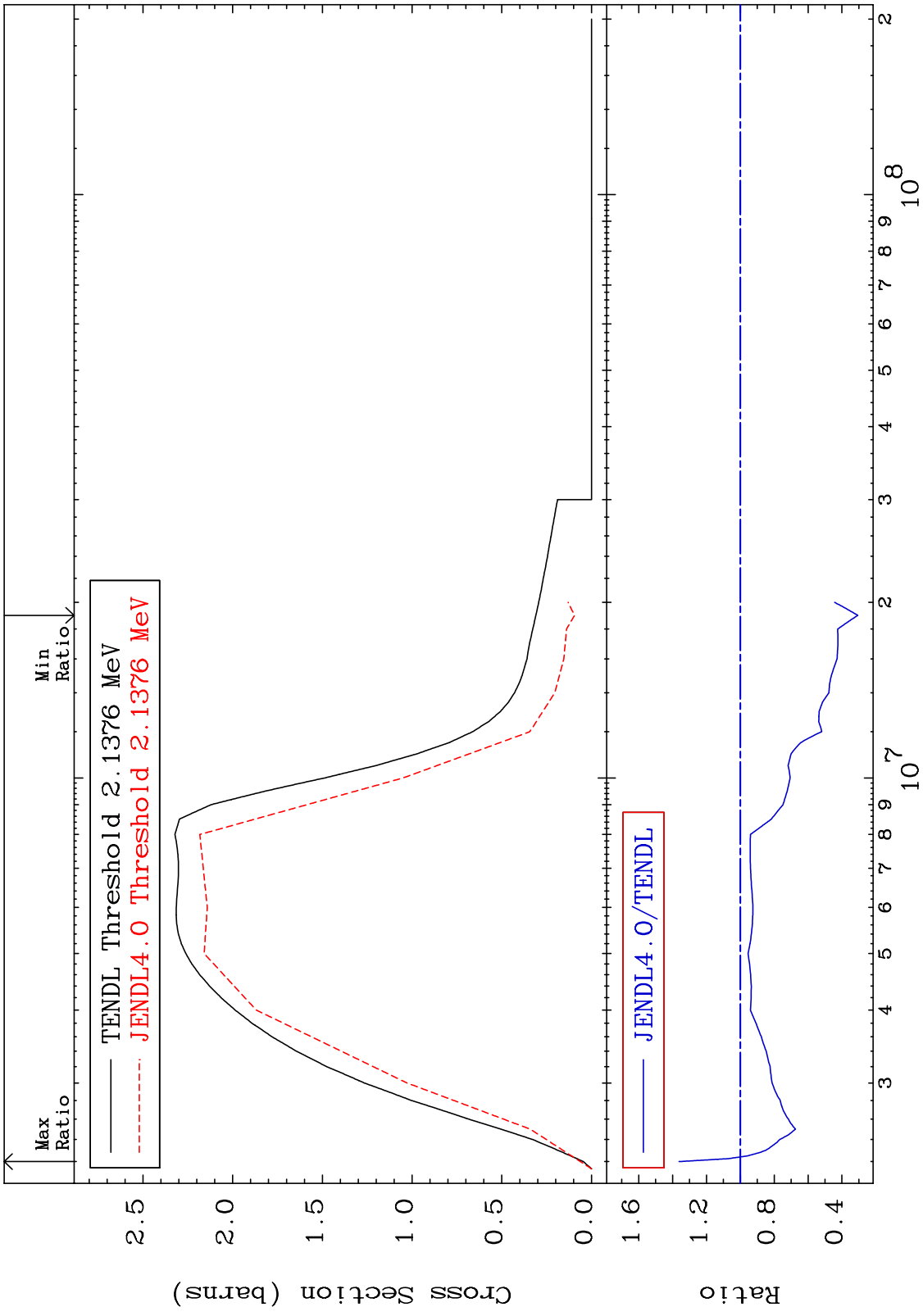
MAT 8037 MT= 79 (n,n') Level Cross Section 80-Hg-200  
 -98.60 To 601.5 %



MAT 8037 MT= 80 (n,n') Level Cross Section 80-Hg-200  
 -95.61 To 73.08 %



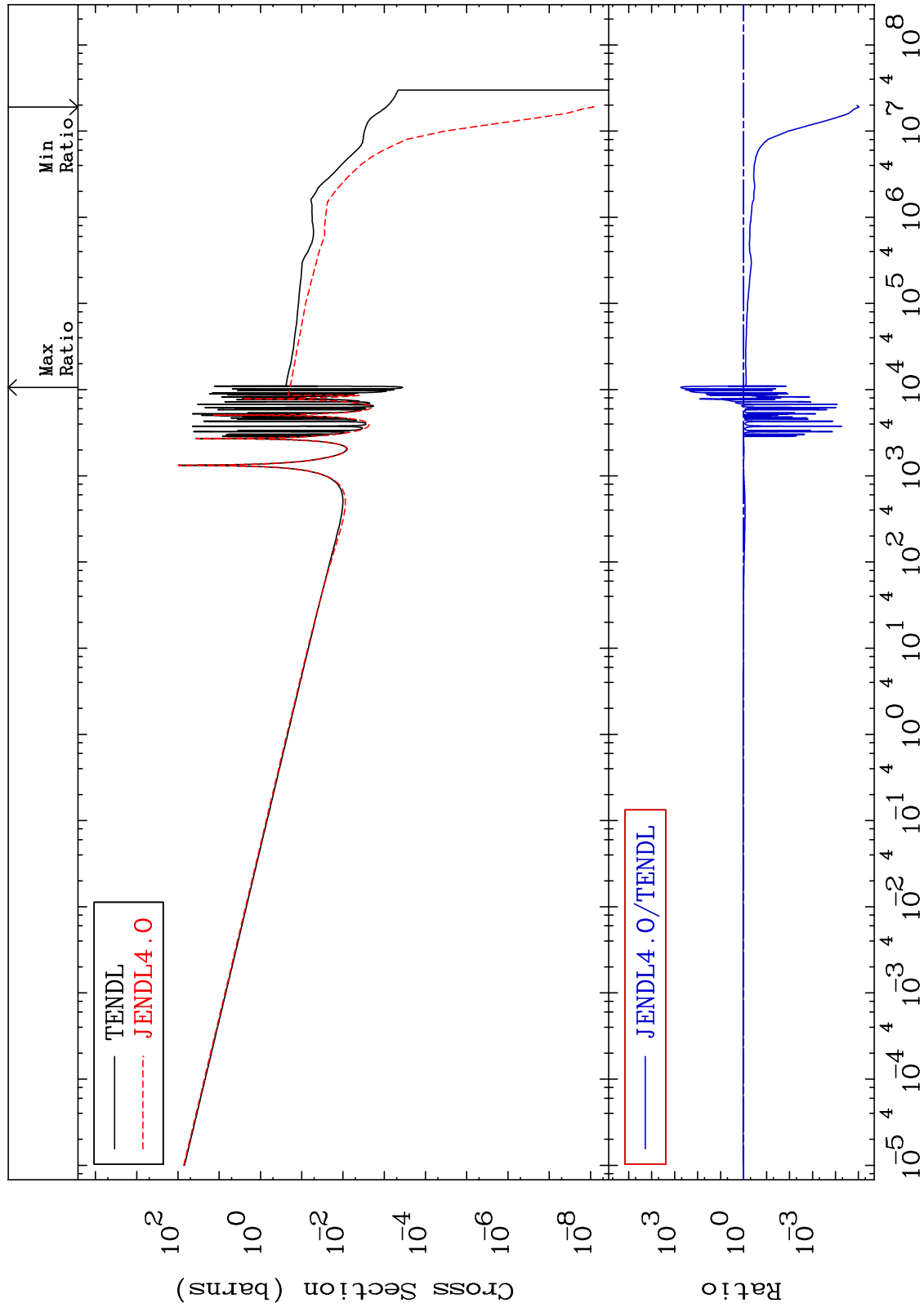
MAT 8037 (n,n') Continuum Cross Section 80-Hg-200 -69.39 To 36.19 %



MAT 8037

(n,  $\gamma$ )  
Cross Section

80-Hg-200  
-100.0 To 9999. %





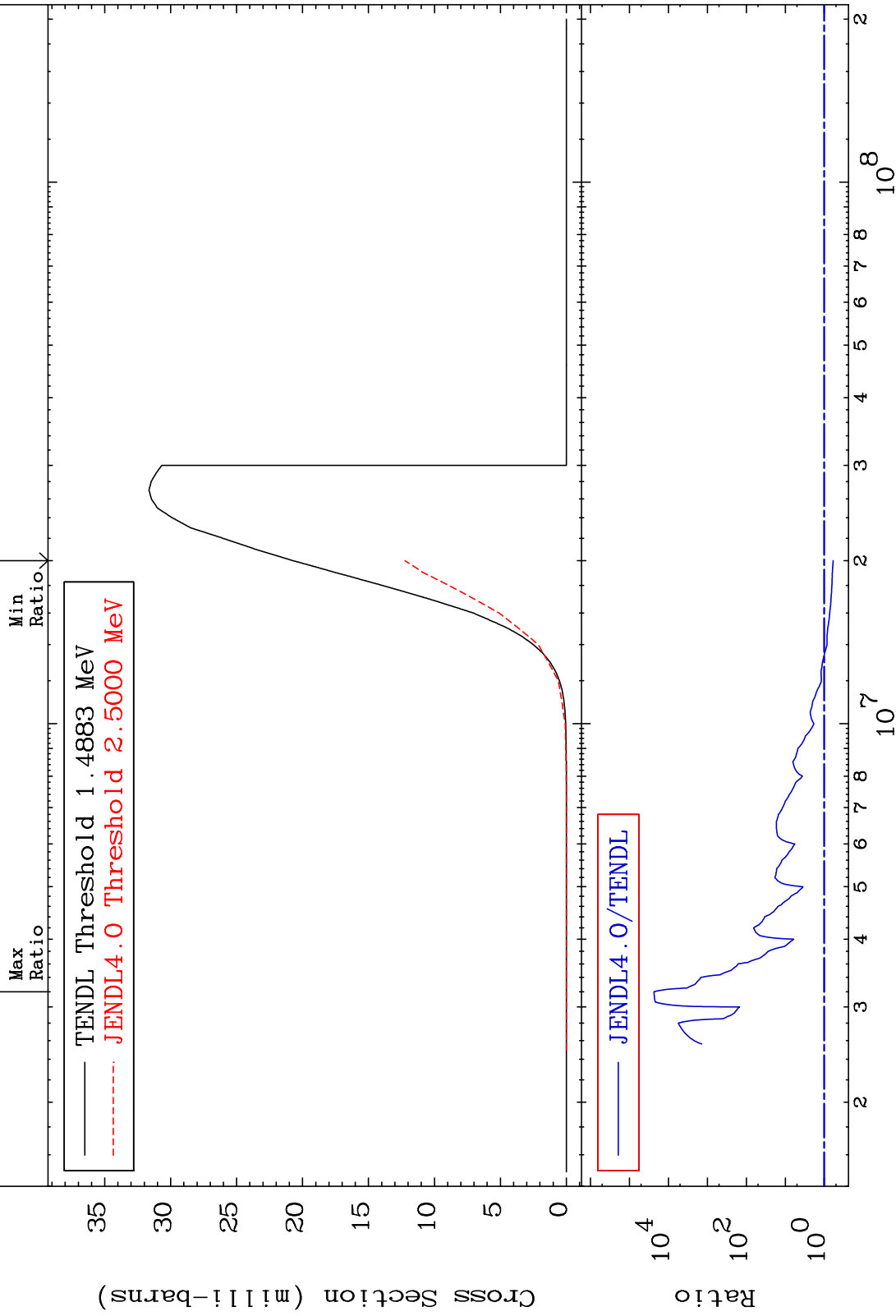
MAT 8037

(n,p)

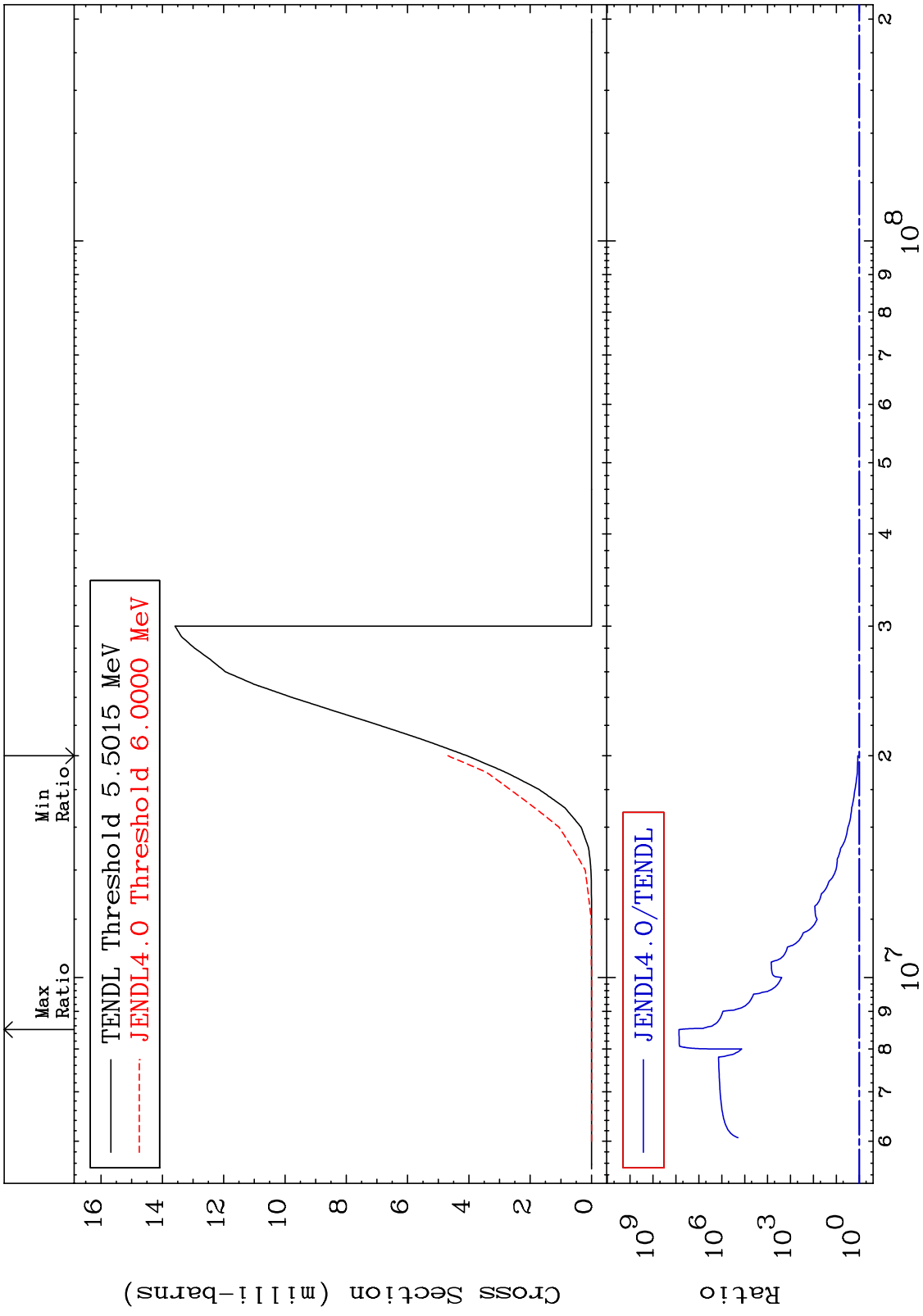
80-Hg-200

-40.97 To 9999. %

Cross Section



MAT 8037 (n,d) Cross Section 80-Hg-200 To 9999. %  
 15.45



Incident Energy (eV) 80-Hg-200

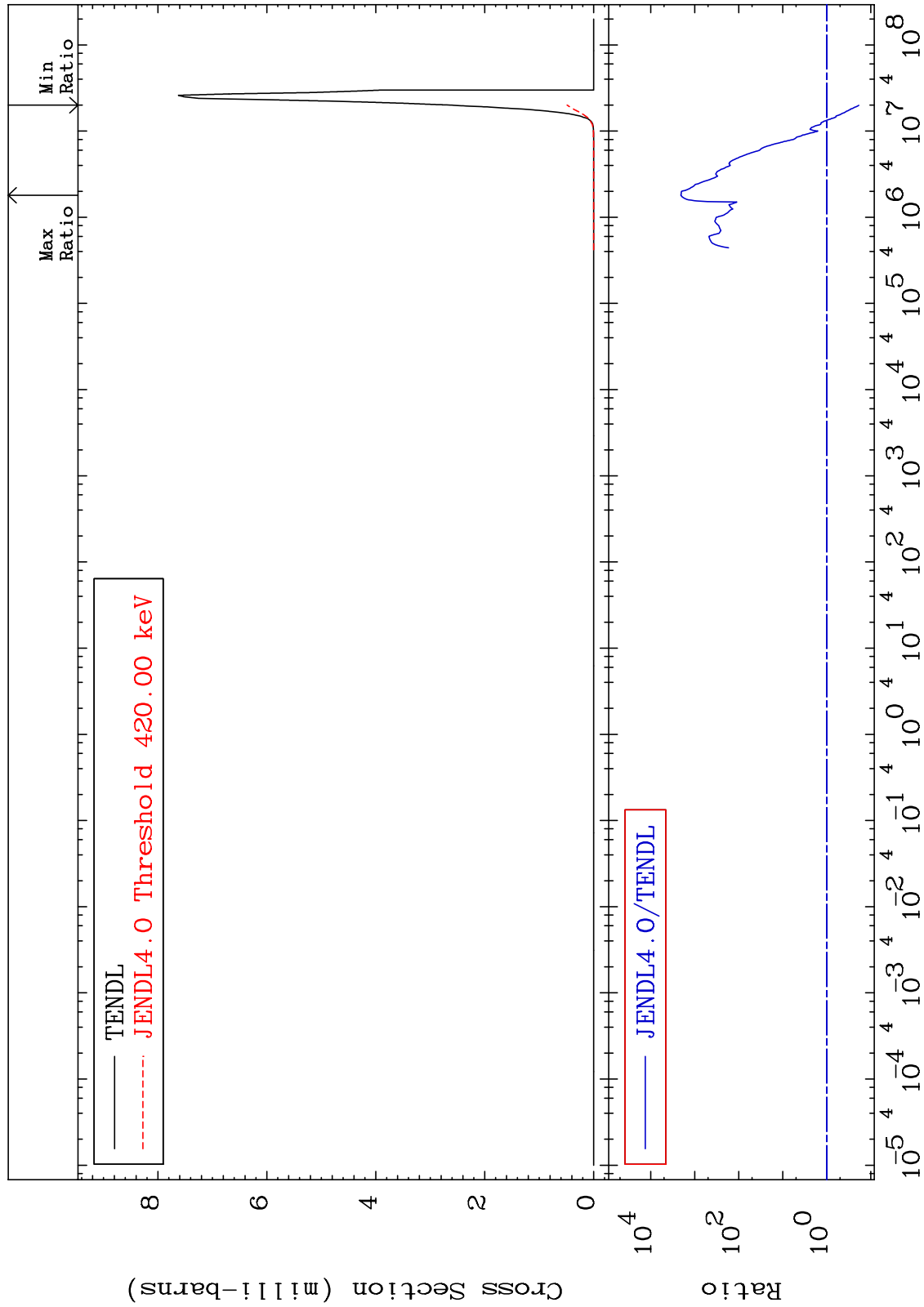
MAT 8037

(n,  $\alpha$ )

80-Hg-200

Cross Section

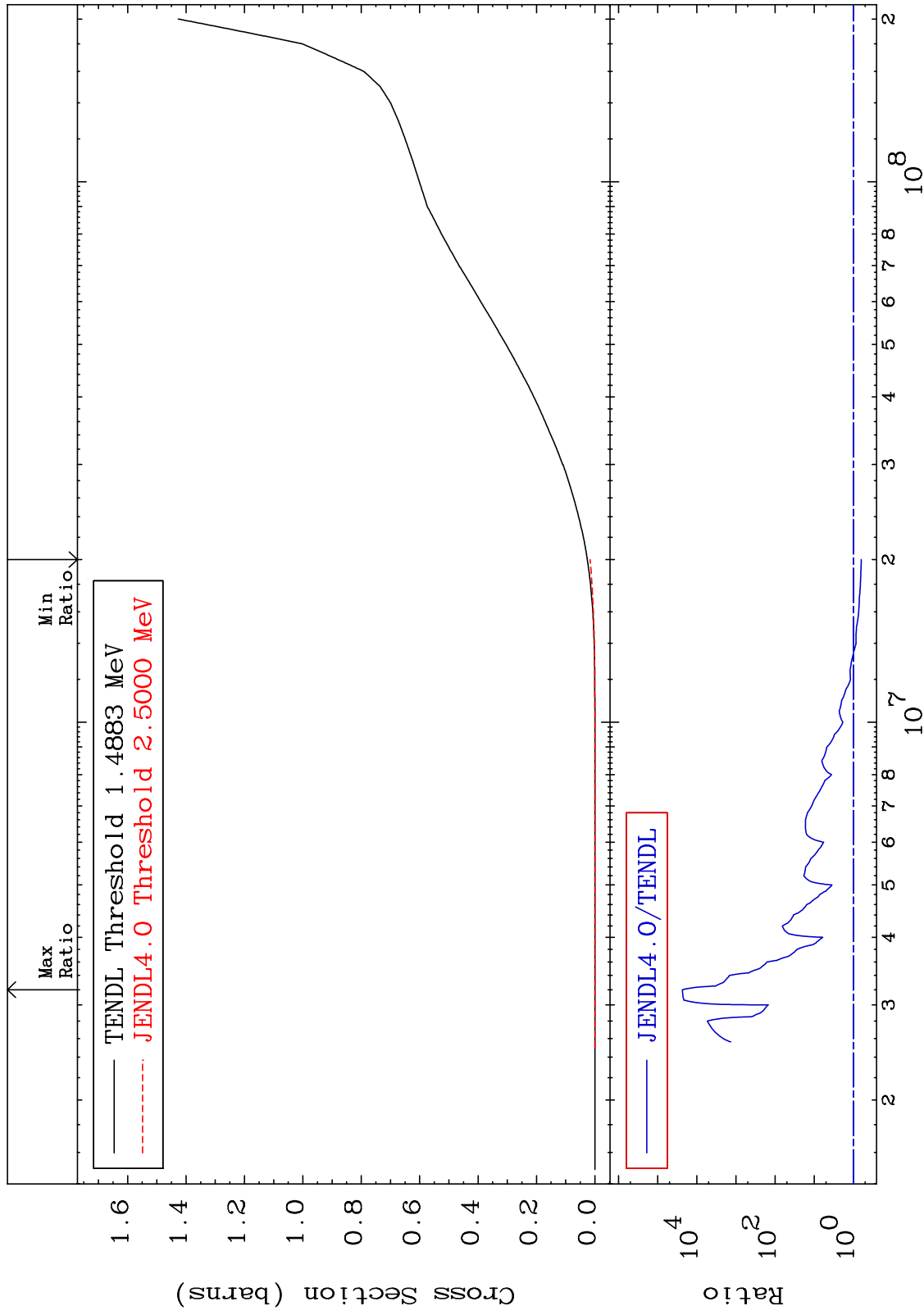
-81.54 To 9999. %



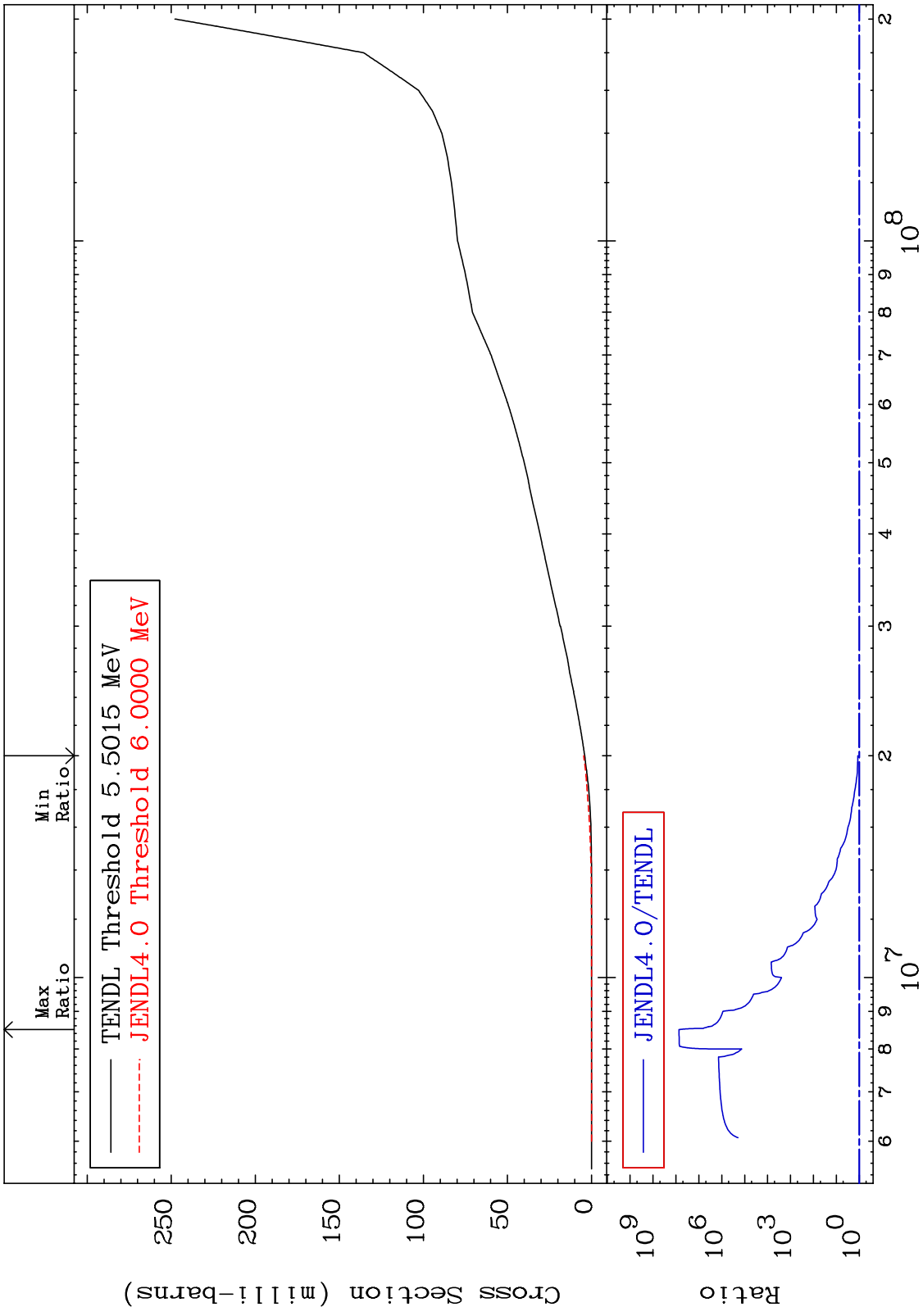
MAT 8037

Hydrogen Production  
Cross Section

80-Hg-200  
-37.32 To 9999. %



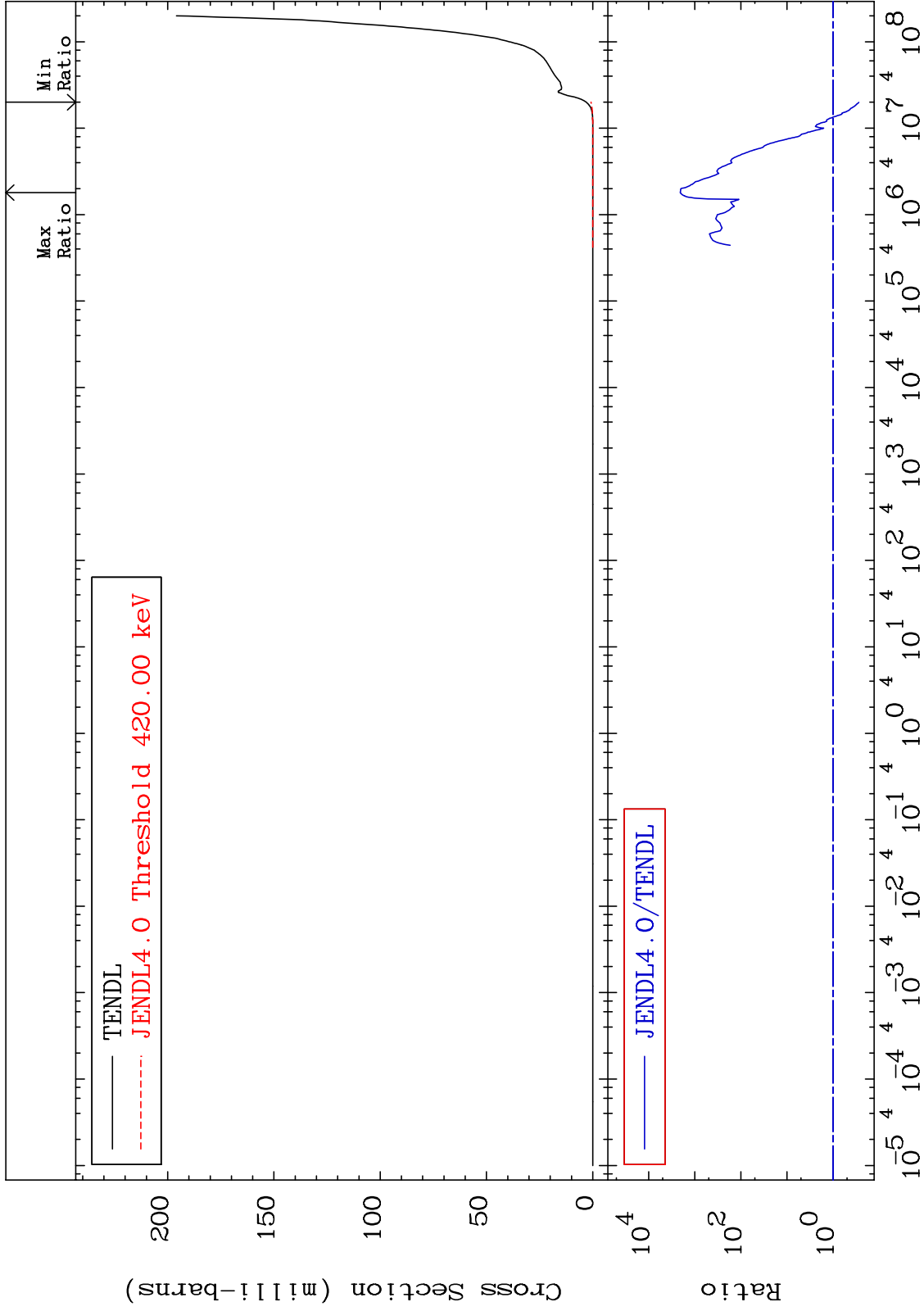
MAT 8037 Deuterium Production Cross Section 80-Hg-200 To 9999. %



MAT 8037

He-4 Production  
Cross Section

80-Hg-200  
-72.36 To 9999. %



45

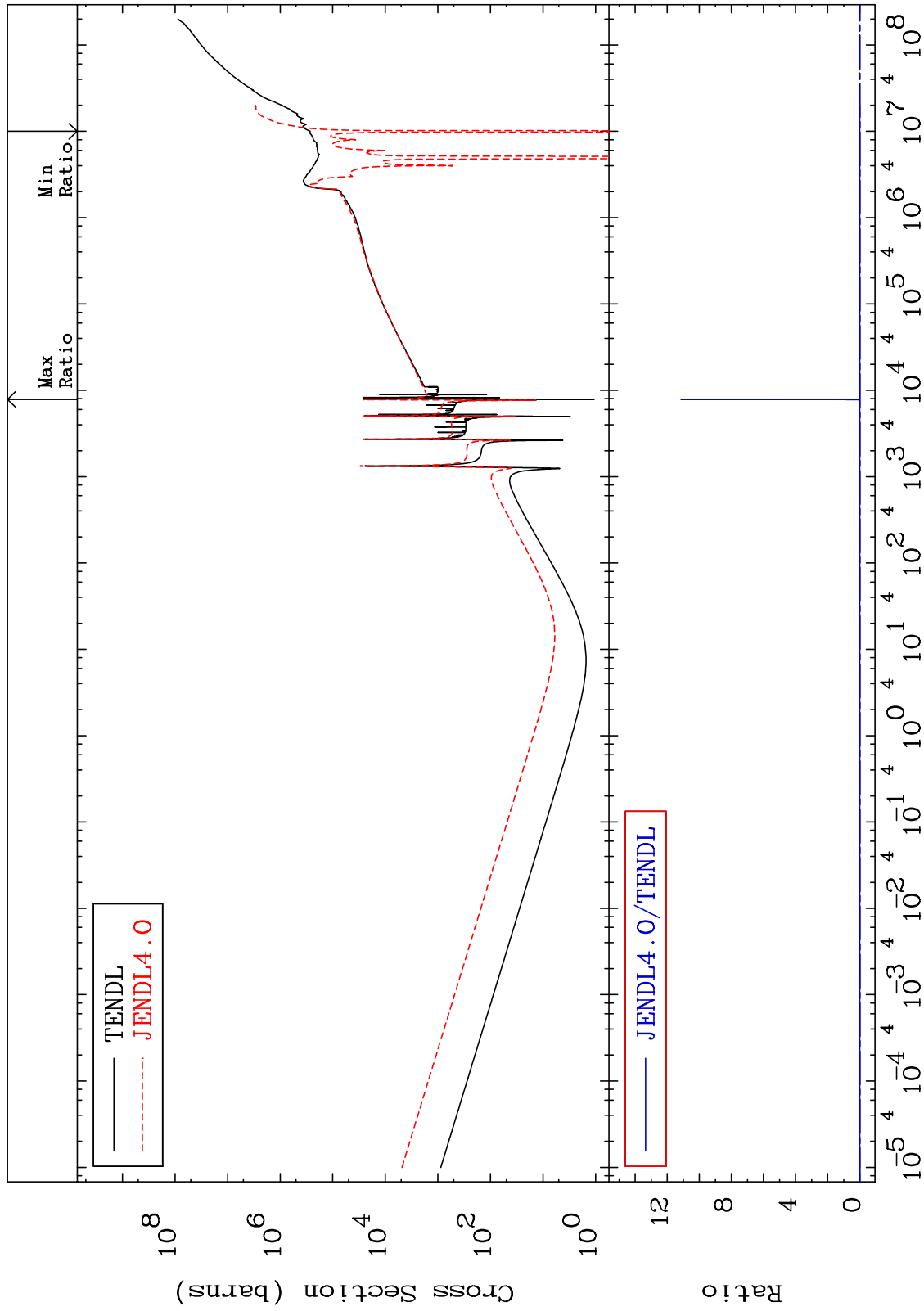
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma total (eV-barns)  
Cross Section

80-Hg-200  
-120.6 To 9999. %



46

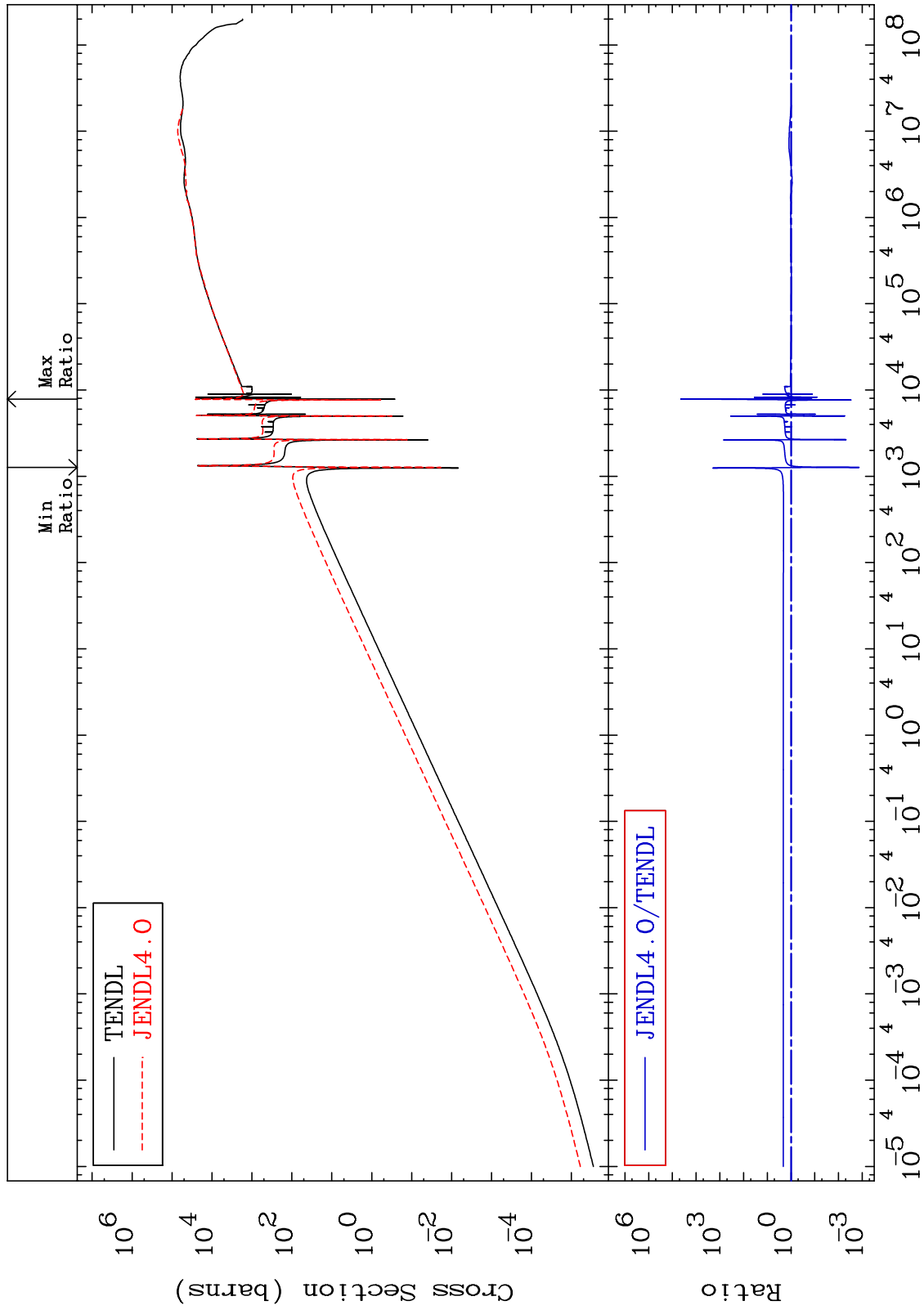
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma elastic  
Cross Section

80-Hg-200  
-99.86 To 9999. %



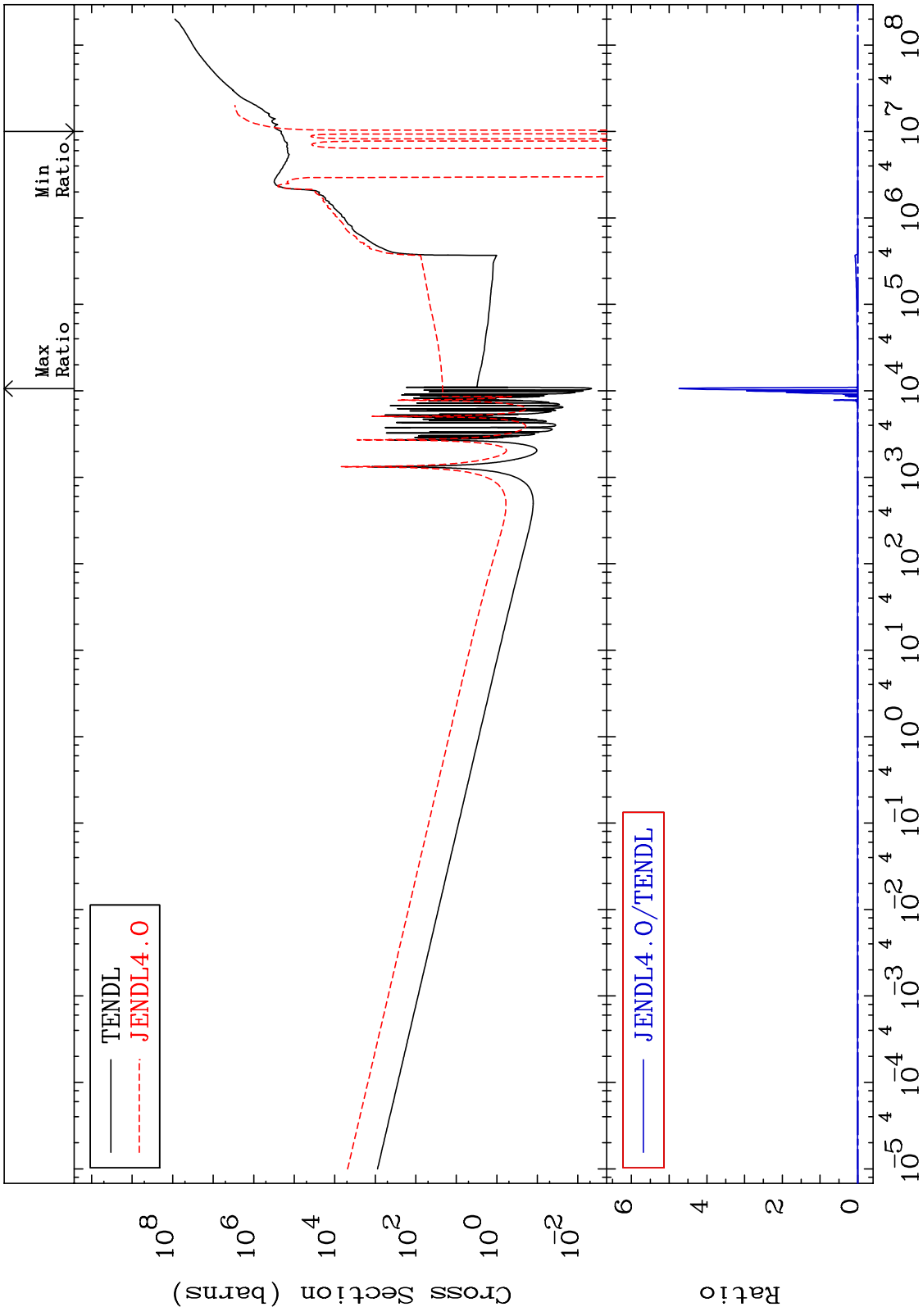
47

Incident Energy (eV)

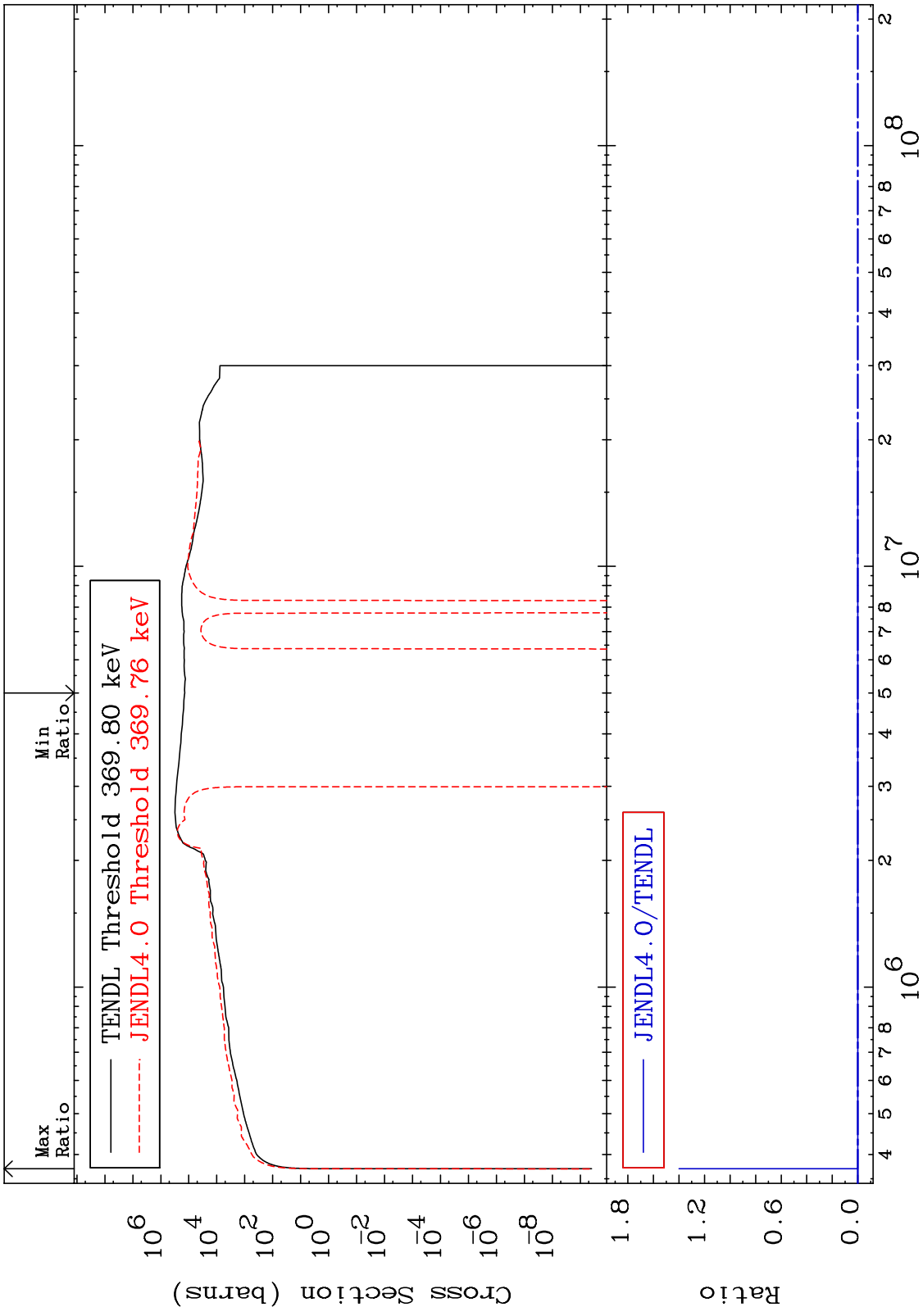
80-Hg-200



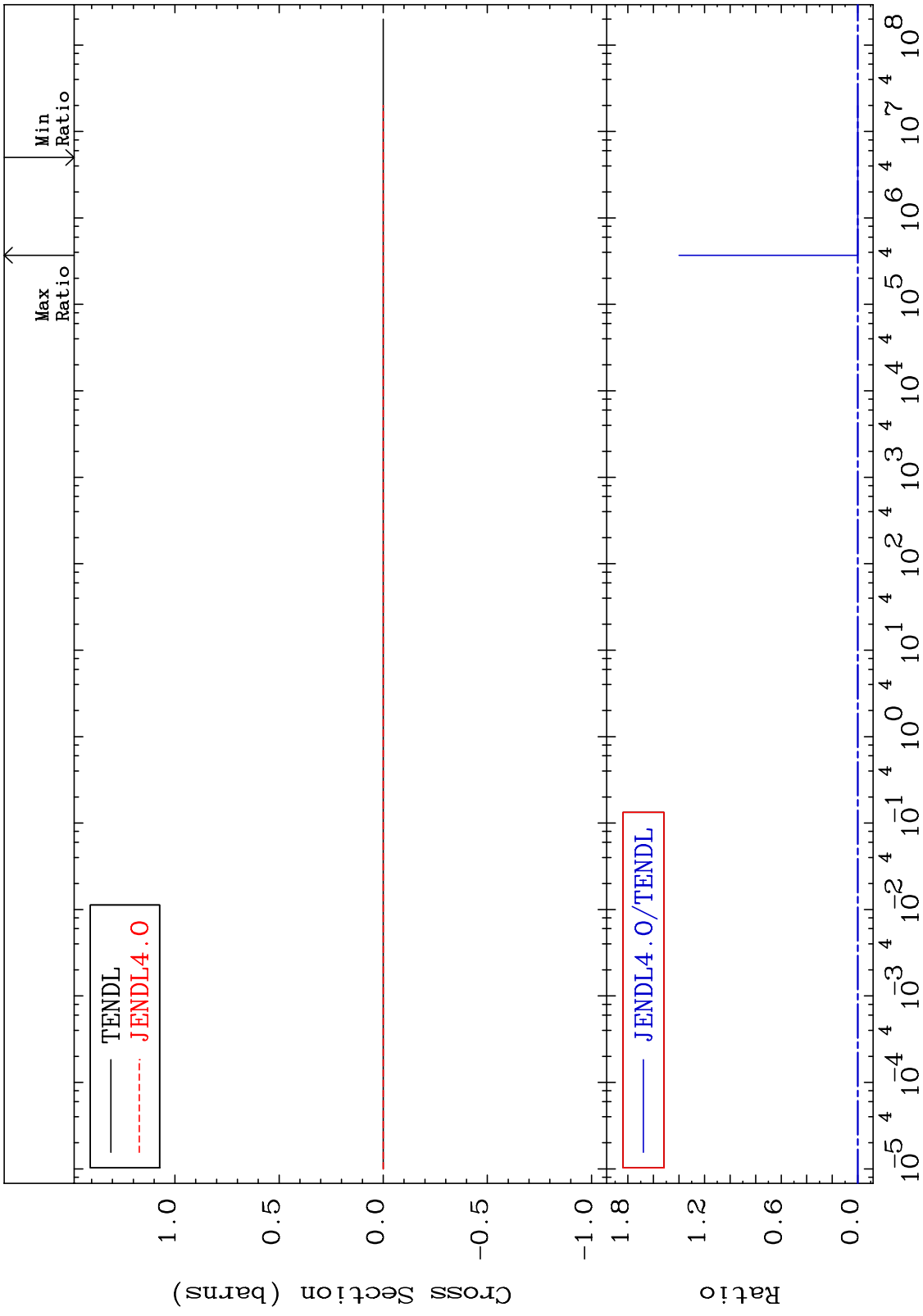
MAT 8037 Kerma non-elastic (all but mt2) 80-Hg-200  
 Cross Section -161.4 To 9999. %



MAT 8037 Kerma inelastic (mt51-91) 80-Hg-200  
 -146.1 To 9999. %  
 Cross Section



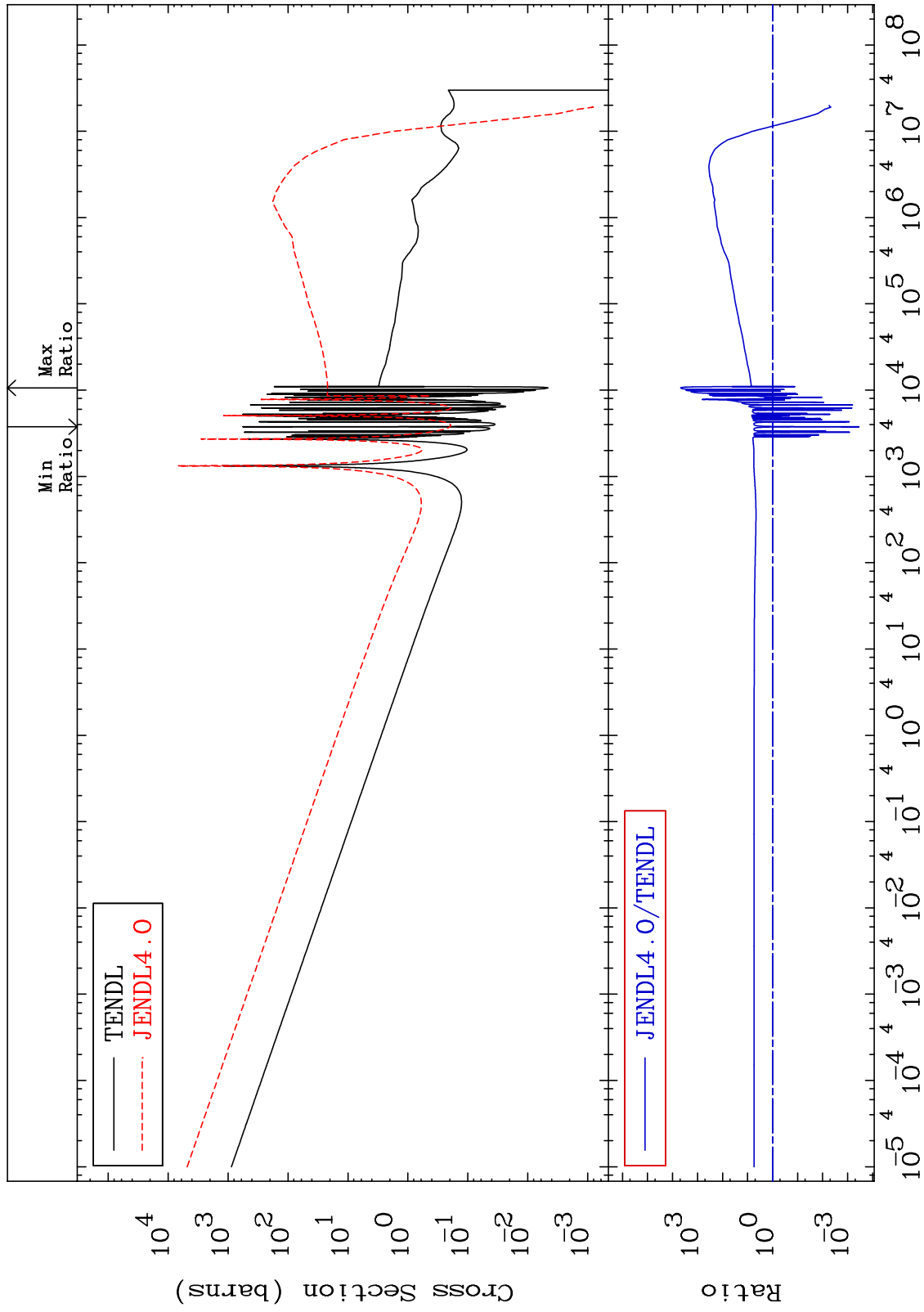
MAT 8037 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-200  
 Cross Section -146.1 To 9999. %



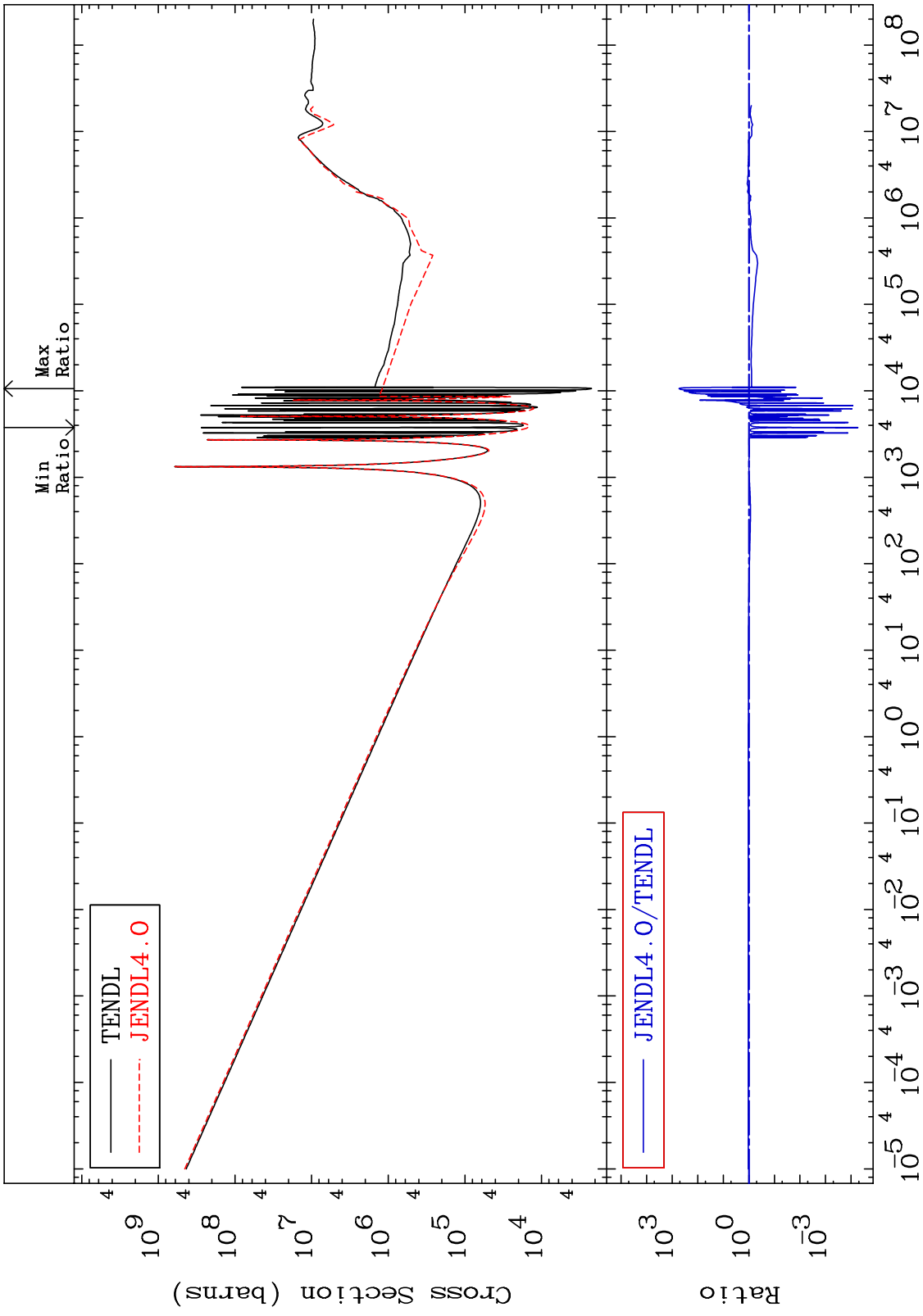
MAT 8037

Kerma capture (mt102)  
Cross Section

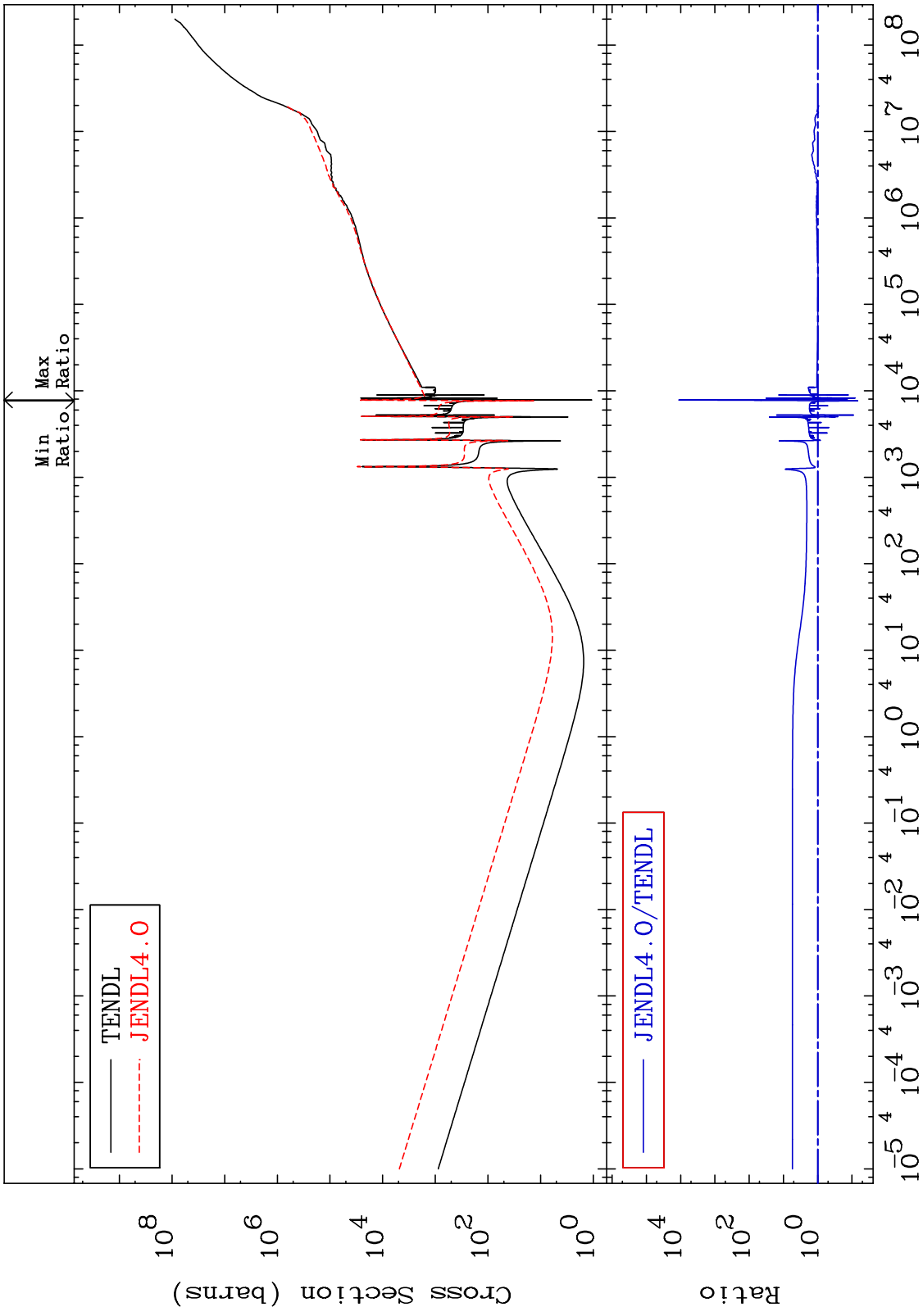
80-Hg-200  
-99.96 To 9999. %



MAT 8037 80-Hg-200  
 Total photon (eV-barns) -99.99 To 9999. %  
 Cross Section



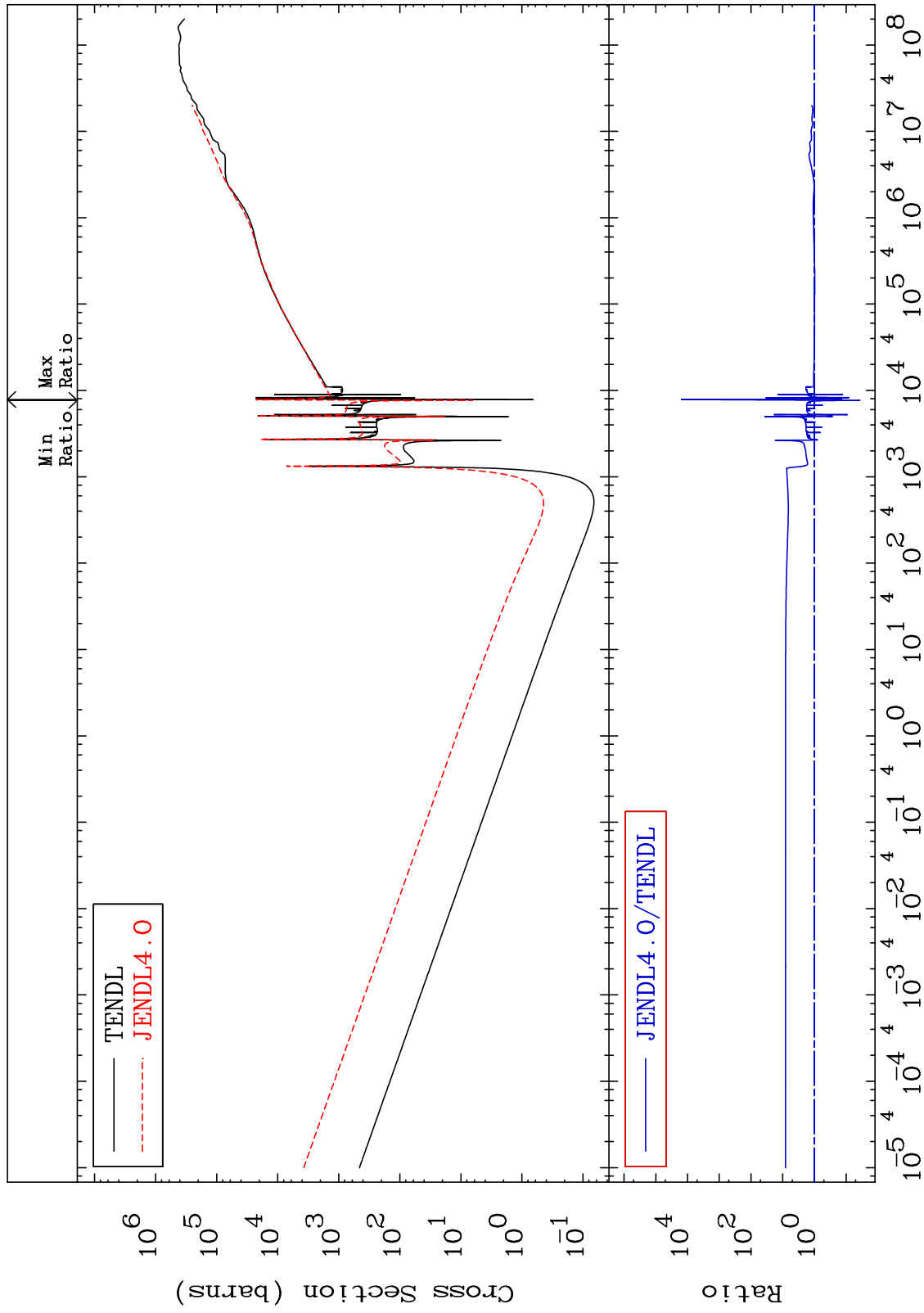
MAT 8037 Total kinematic kerma (high limit) 80-Hg-200  
 Cross Section -93.25 To 9999. %



MAT 8037

Dpa total (eV-barns)  
Cross Section

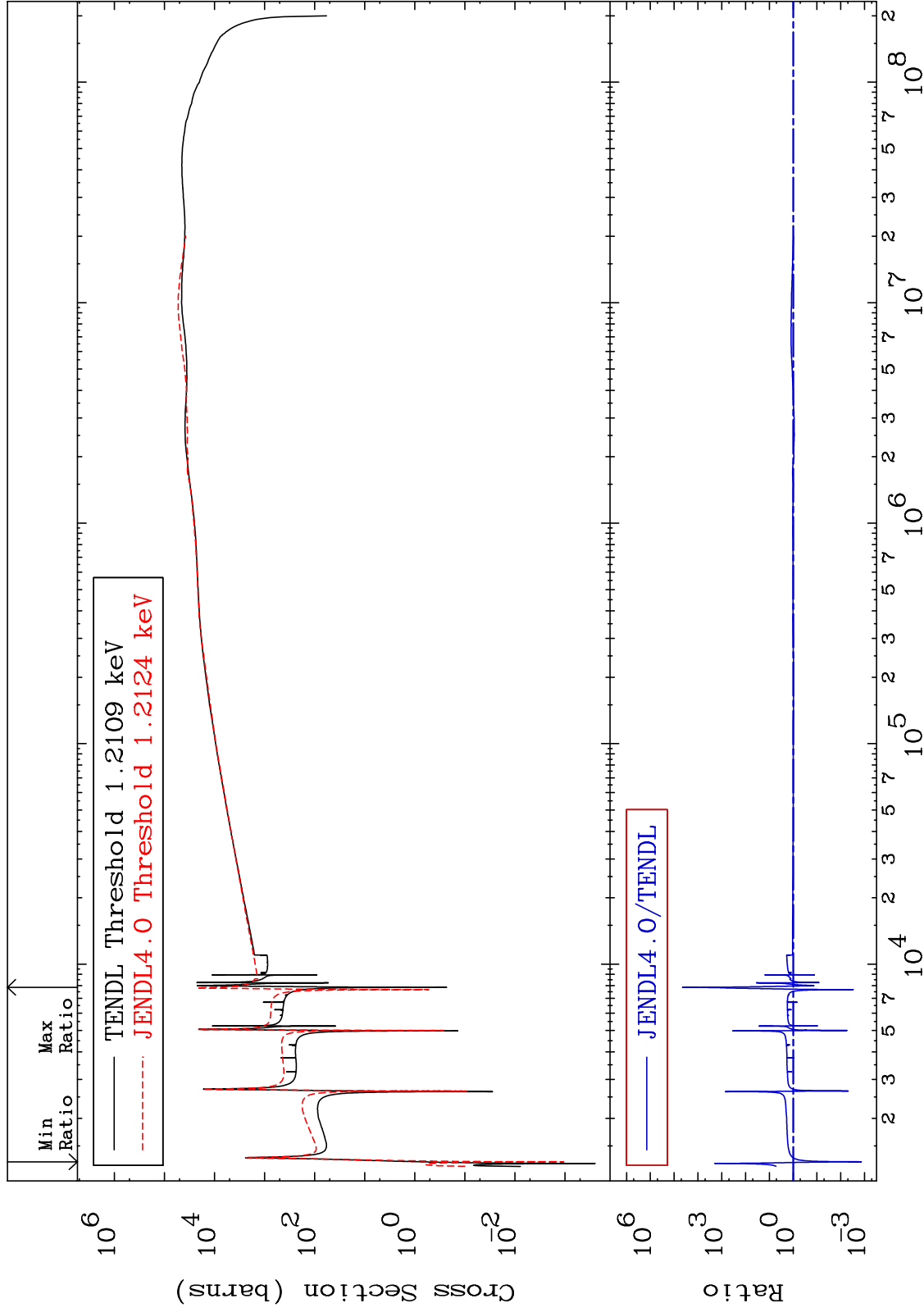
80-Hg-200  
-96.29 To 9999. %



MAT 8037

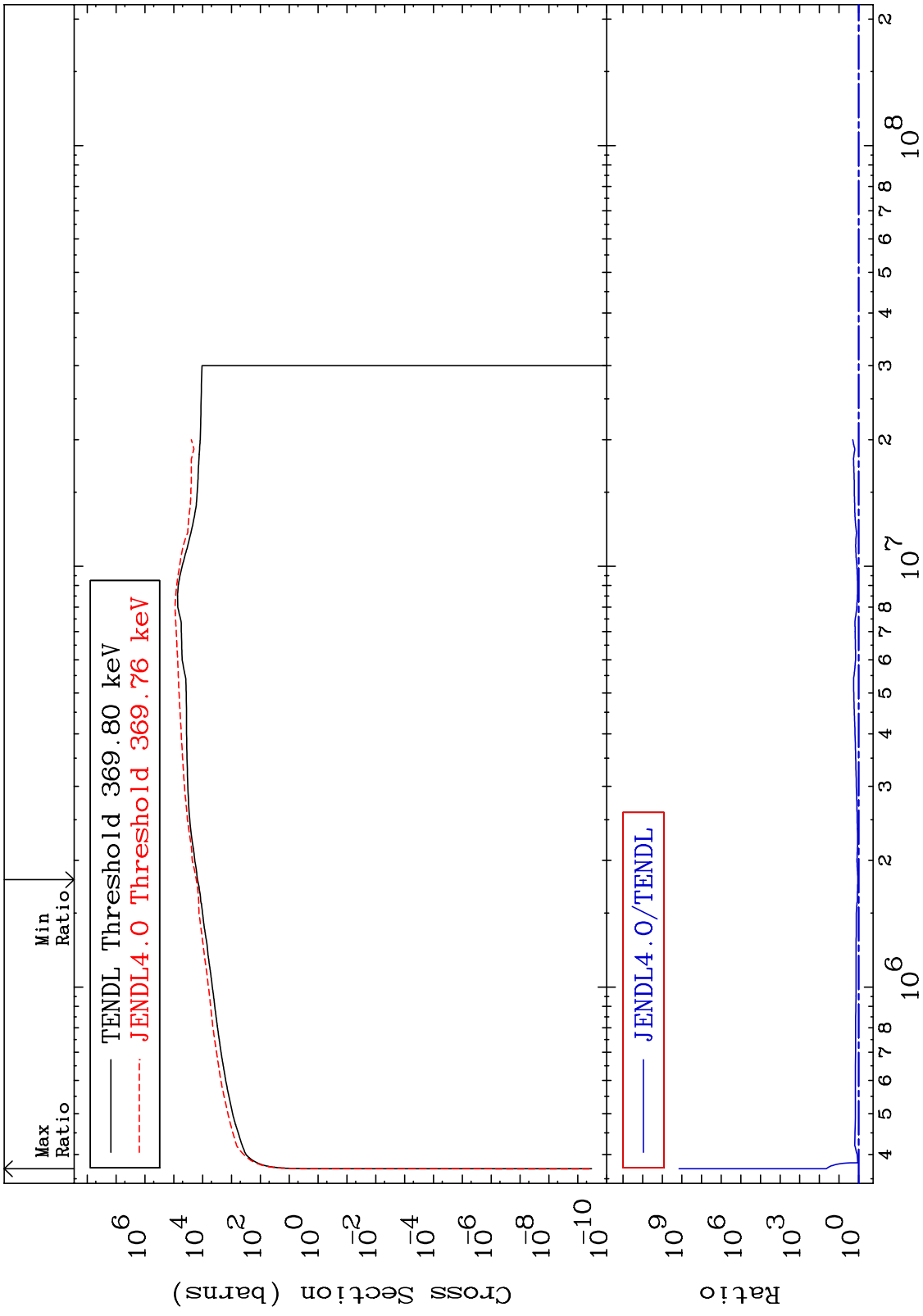
Dpa elastic (mt2)  
Cross Section

80-Hg-200  
-99.86 To 9999. %

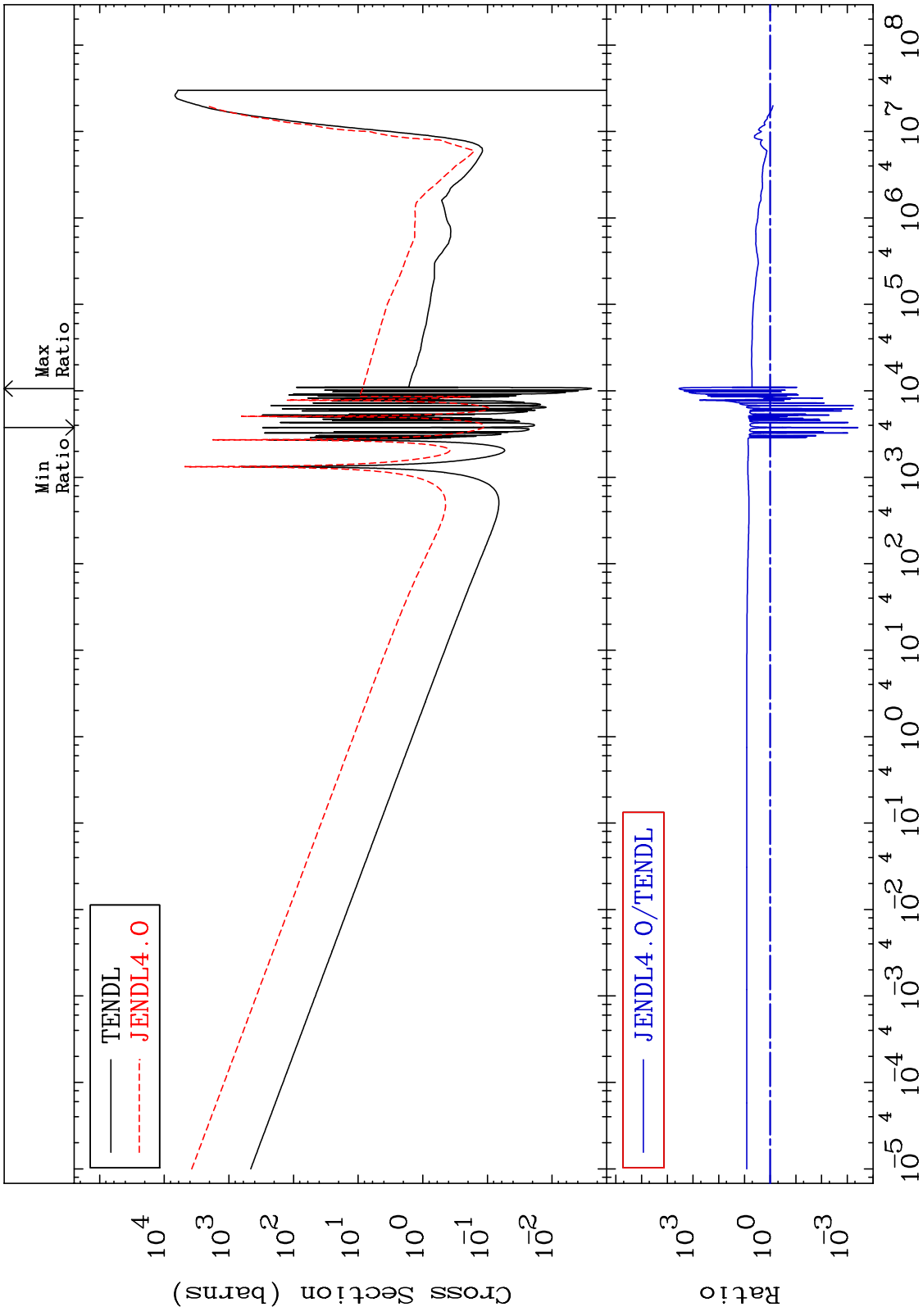




MAT 8037 Dpa inelastic (mt51-91) 80-Hg-200  
 Cross Section 10.18 To 9999. %

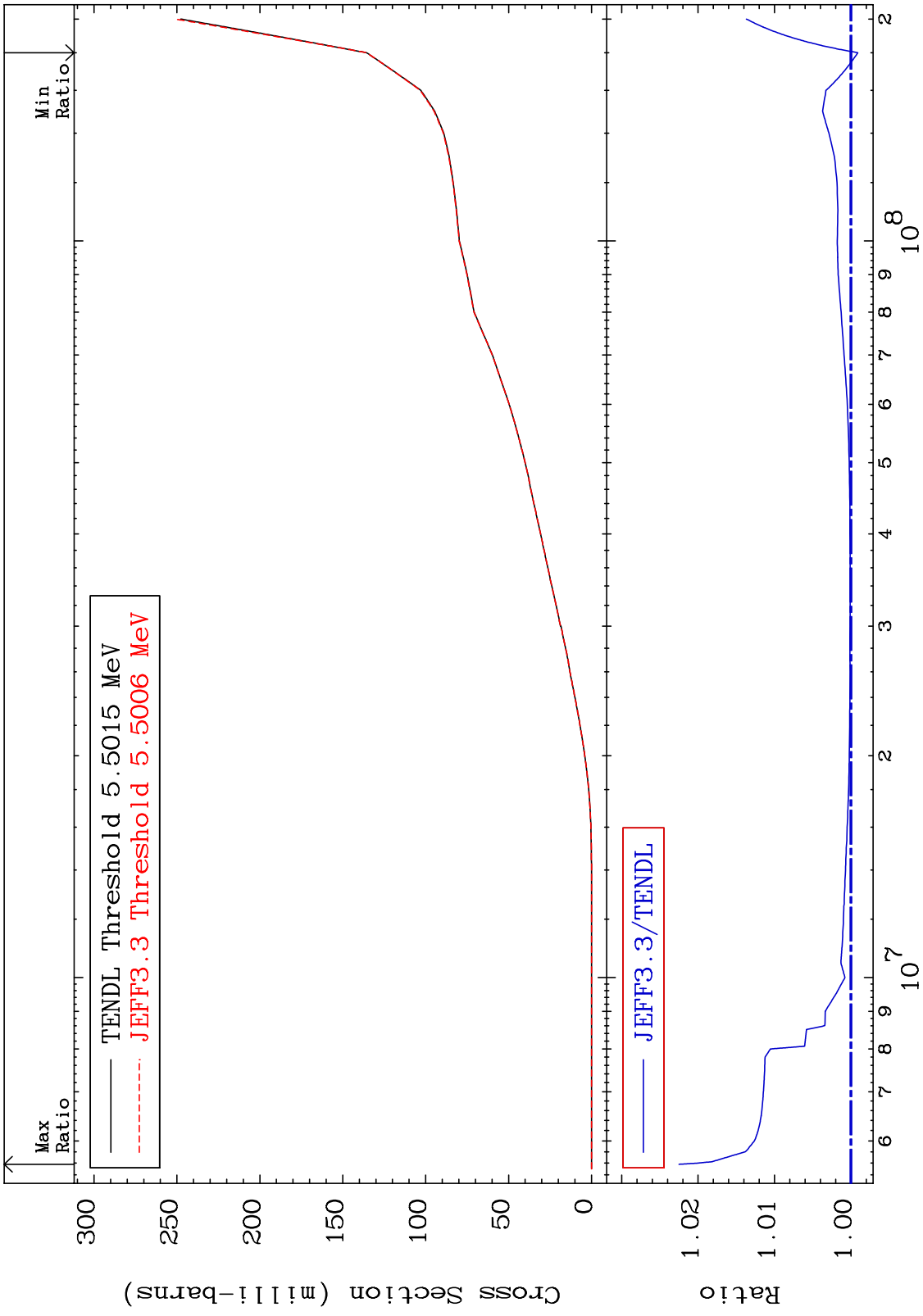


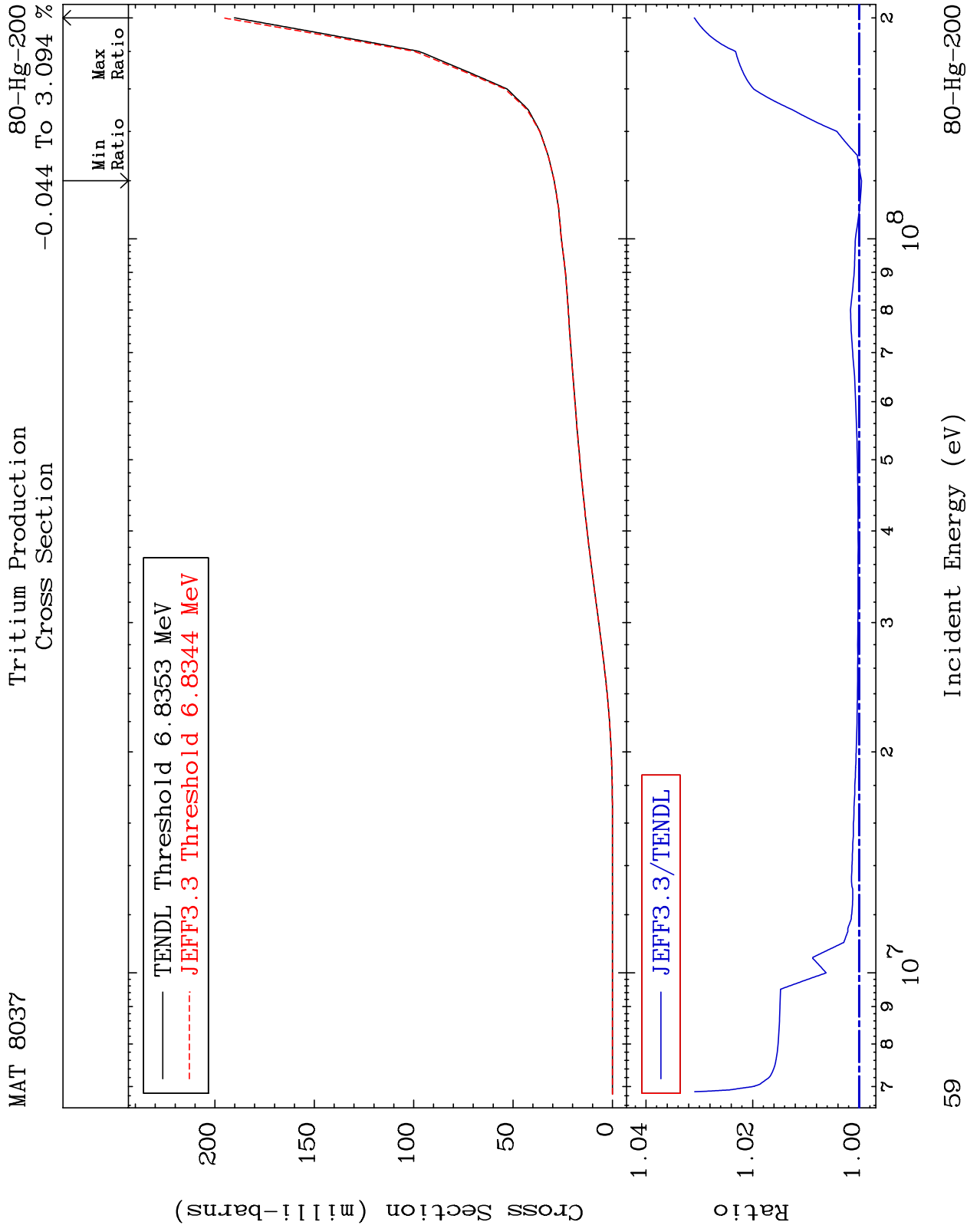
MAT 8037      Dpa disappearance (mt102 -120)      80-Hg-200  
 Cross Section      -99.96 To 9999. %



57      Incident Energy (eV)      80-Hg-200

MAT 8037 Deuterium Production Cross Section 80-Hg-200  
 -0.090 To 2.249 %

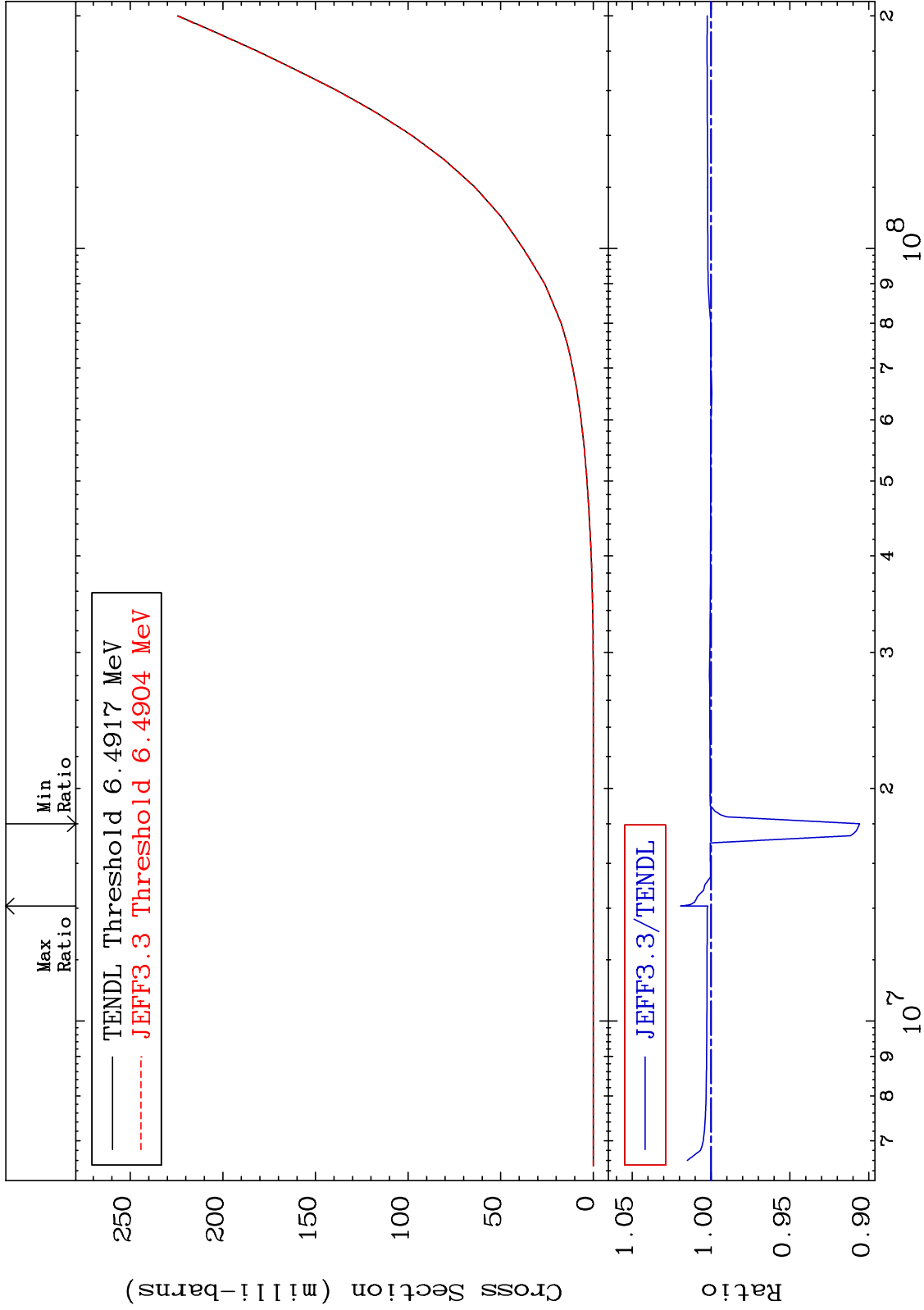




MAT 8037

He-3 Production  
Cross Section

80-Hg-200  
-9.419 To 1.916 %

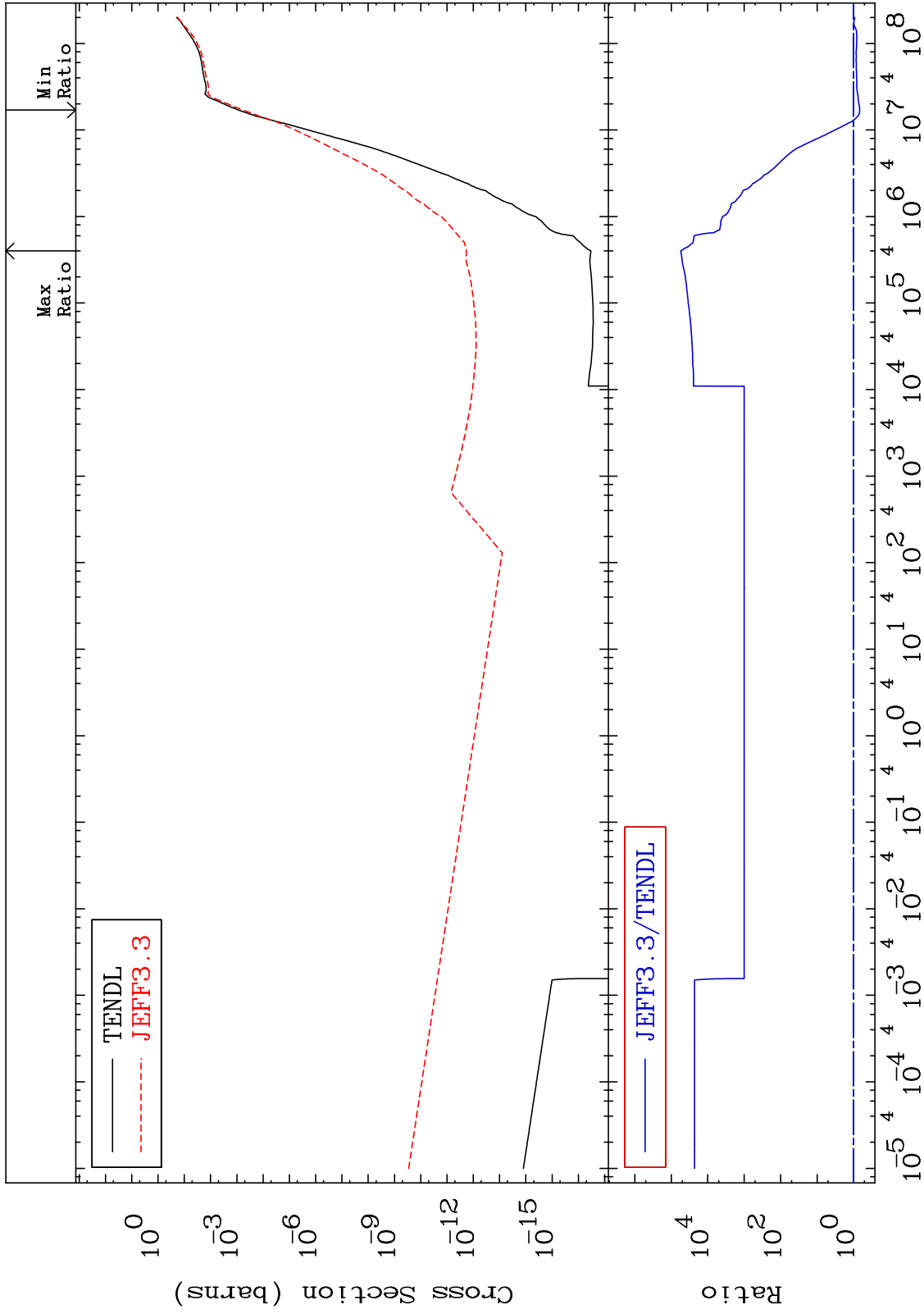


60

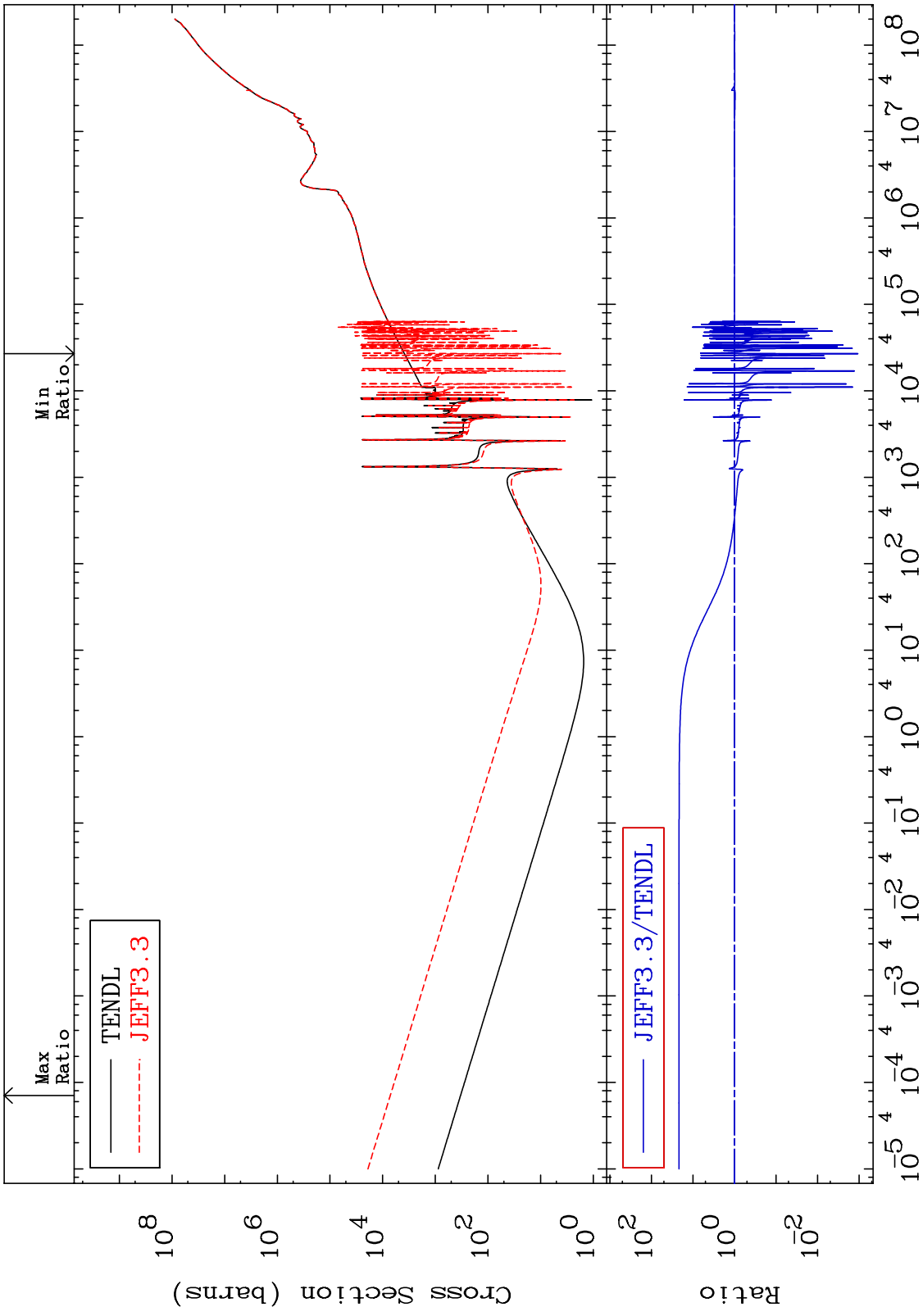
MAT 8037

He-4 Production  
Cross Section

80-Hg-200  
-32.06 To 9999. %



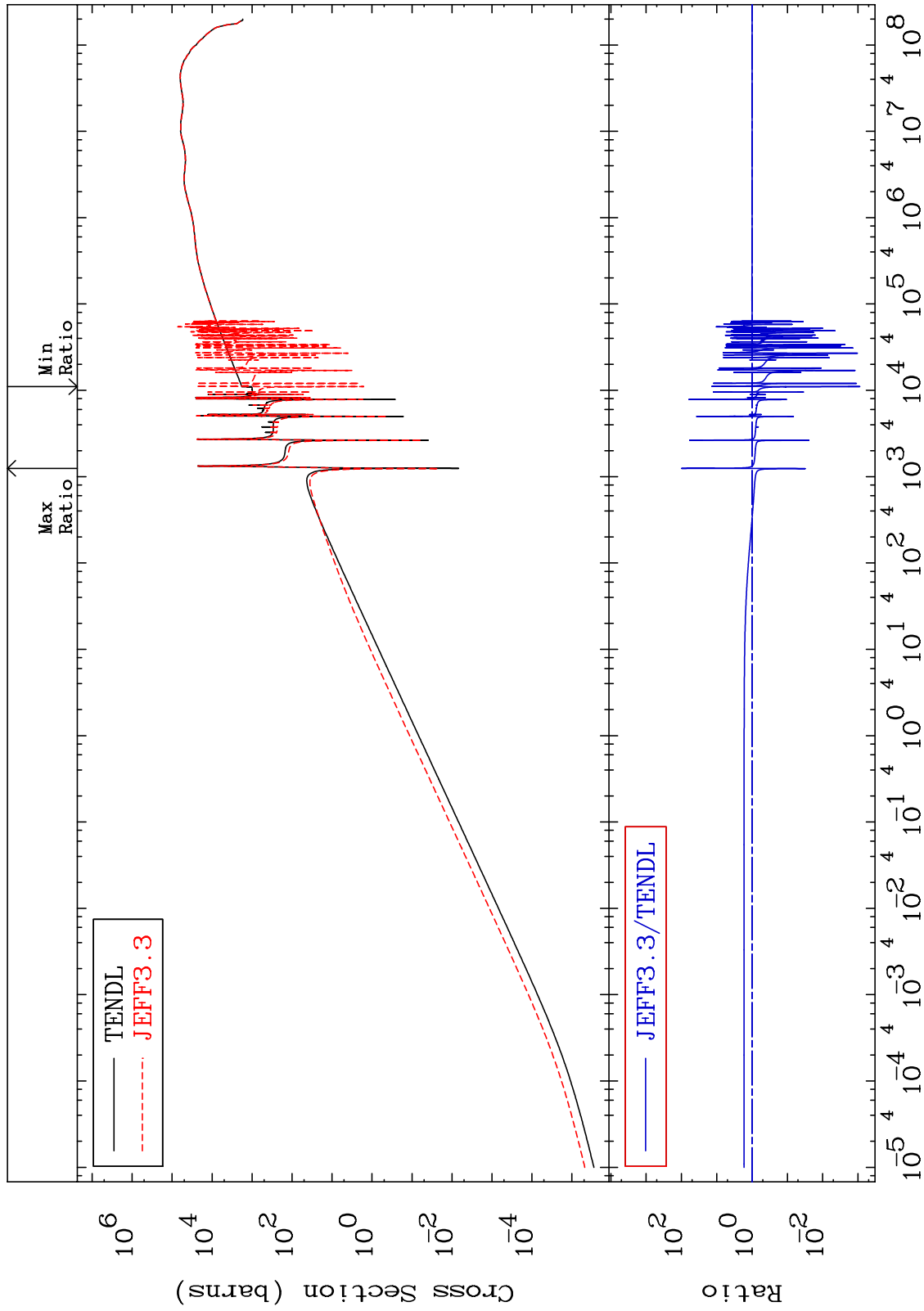
MAT 8037 Kerma total (eV-barns) 80-Hg-200  
 Cross Section -99.89 To 2061. %



MAT 8037

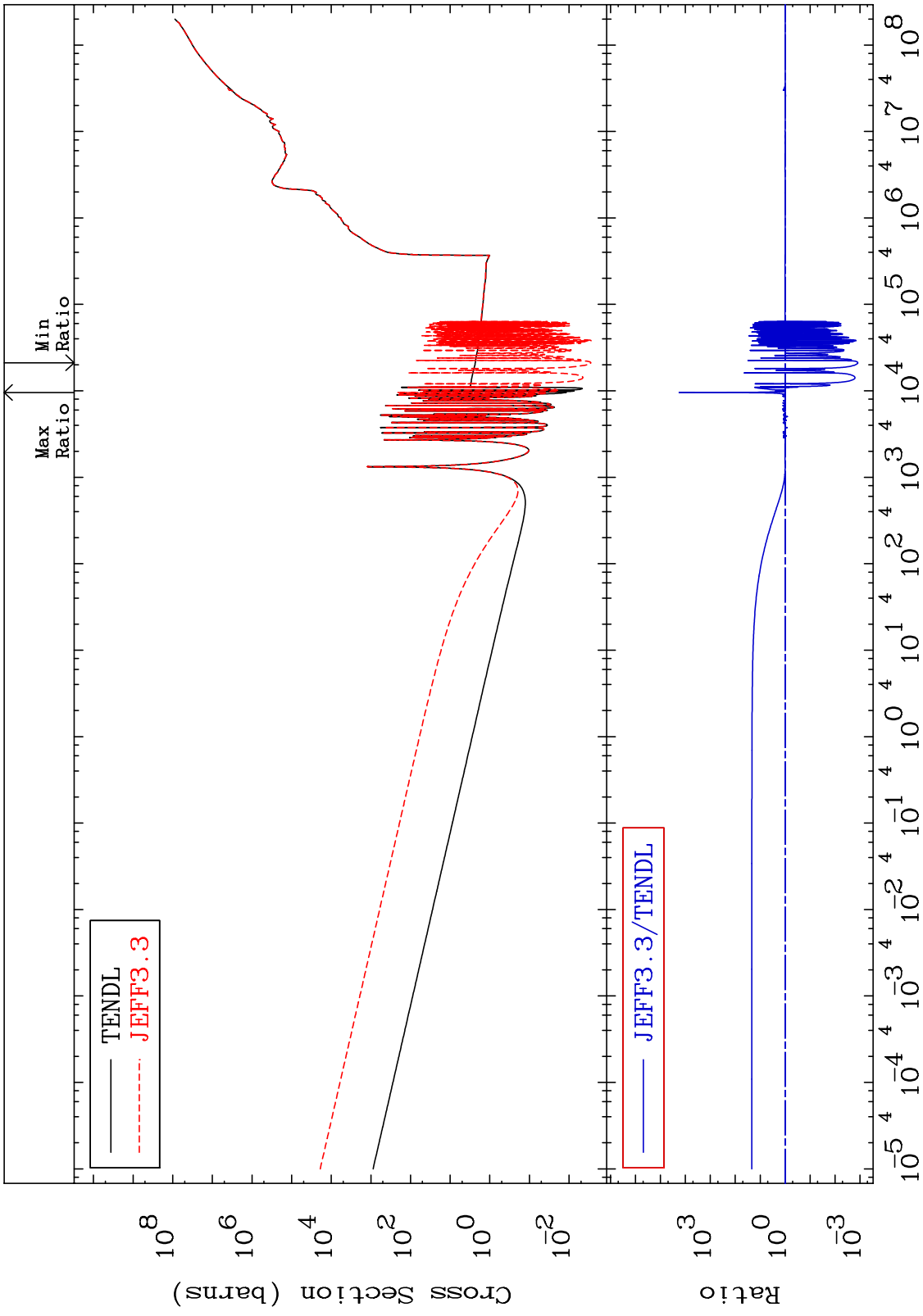
Kerma elastic  
Cross Section

80-Hg-200  
-99.91 To 9999. %





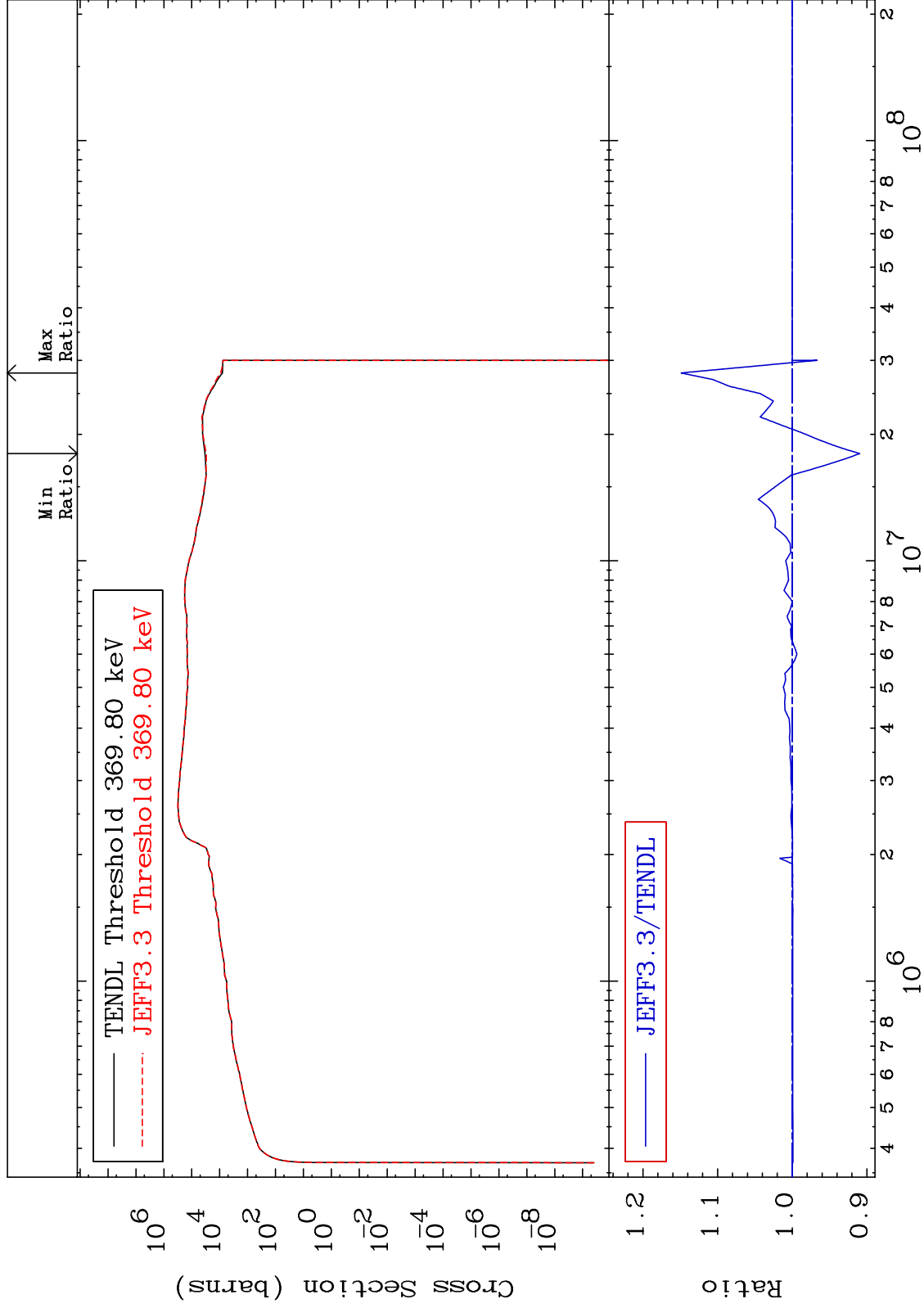
MAT 8037 Kerma non-elastic (all but mt2) 80-Hg-200  
 Cross Section -99.88 To 9999. %



MAT 8037

Kerma inelastic (mt51-91)  
Cross Section

80-Hg-200  
-9.046 To 14.87 %



65

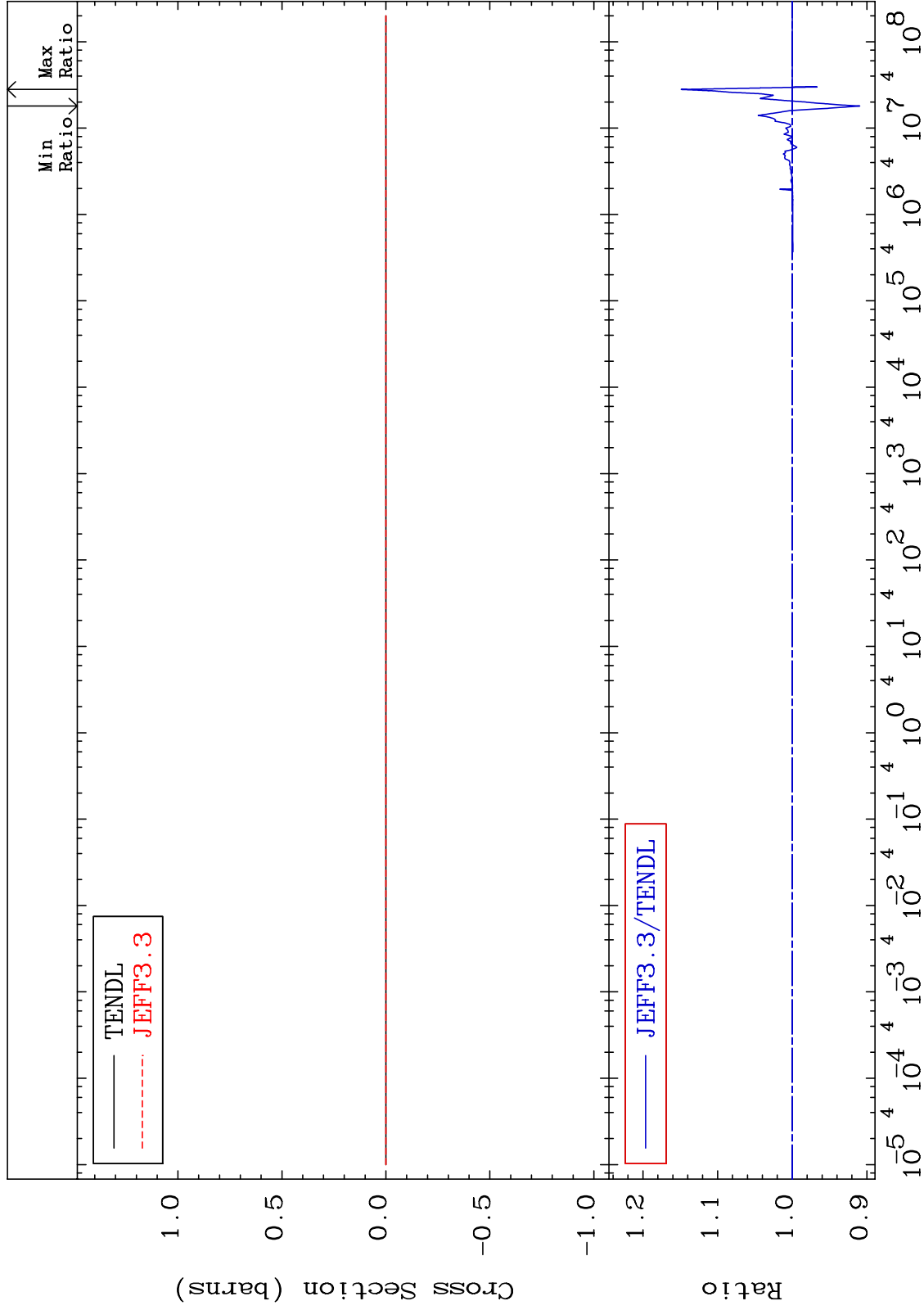
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

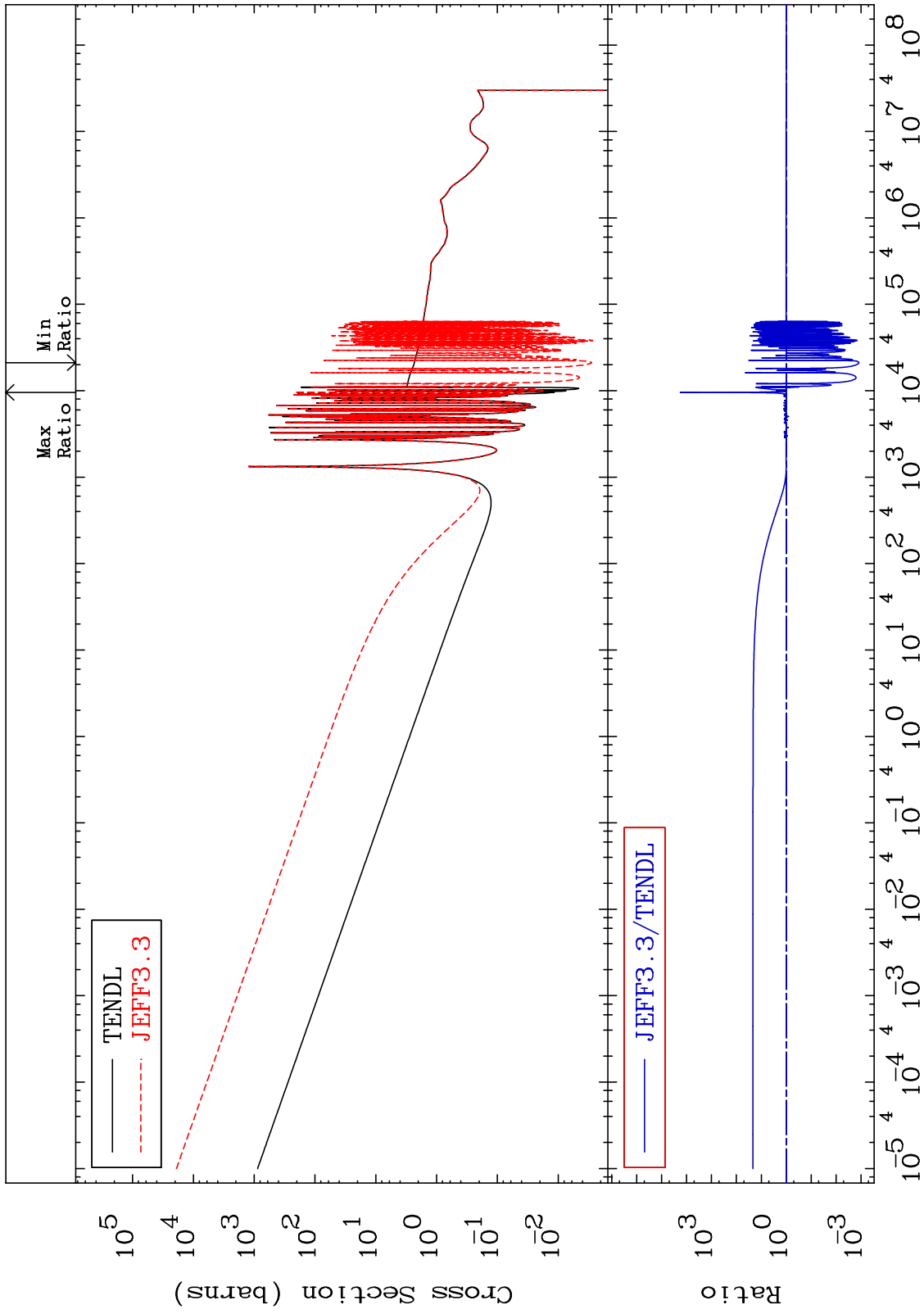
80-Hg-200  
-9.046 To 14.87 %



MAT 8037

Kerma capture (mt102)  
Cross Section

80-Hg-200  
-99.88 To 9999. %



67

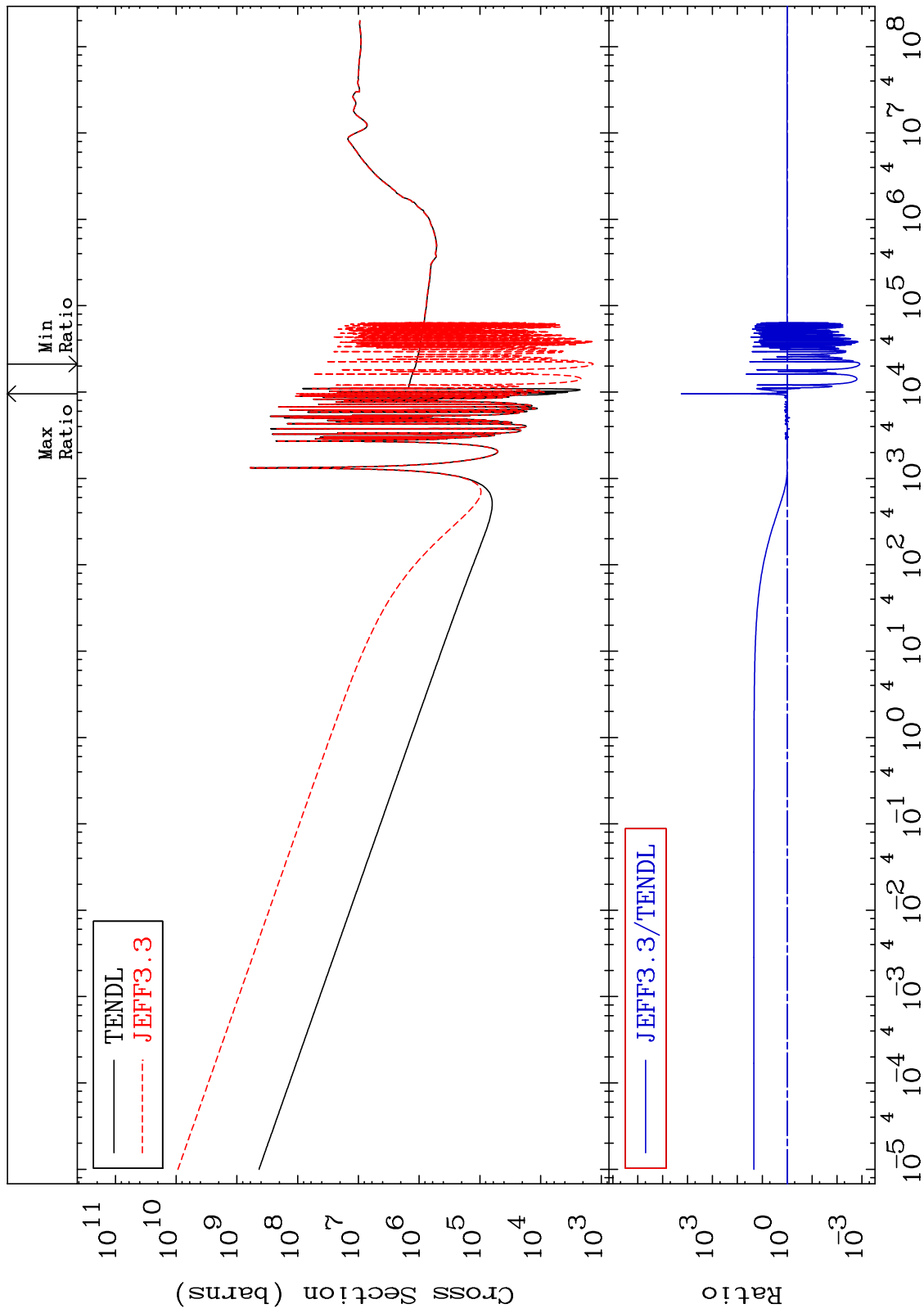
Incident Energy (eV)

80-Hg-200

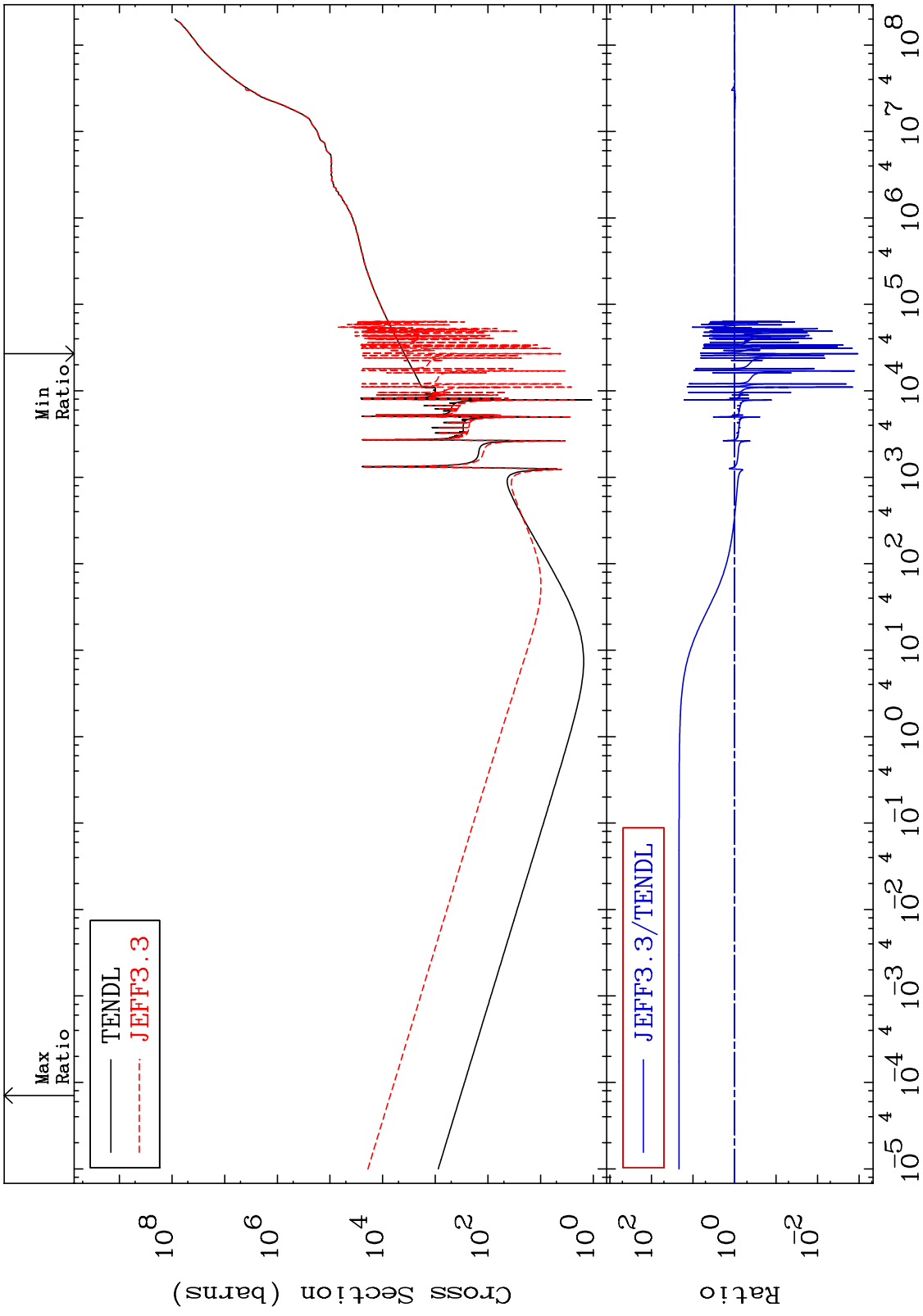
MAT 8037

Total photon (eV-barns)  
Cross Section

80-Hg-200  
-99.88 To 9999. %



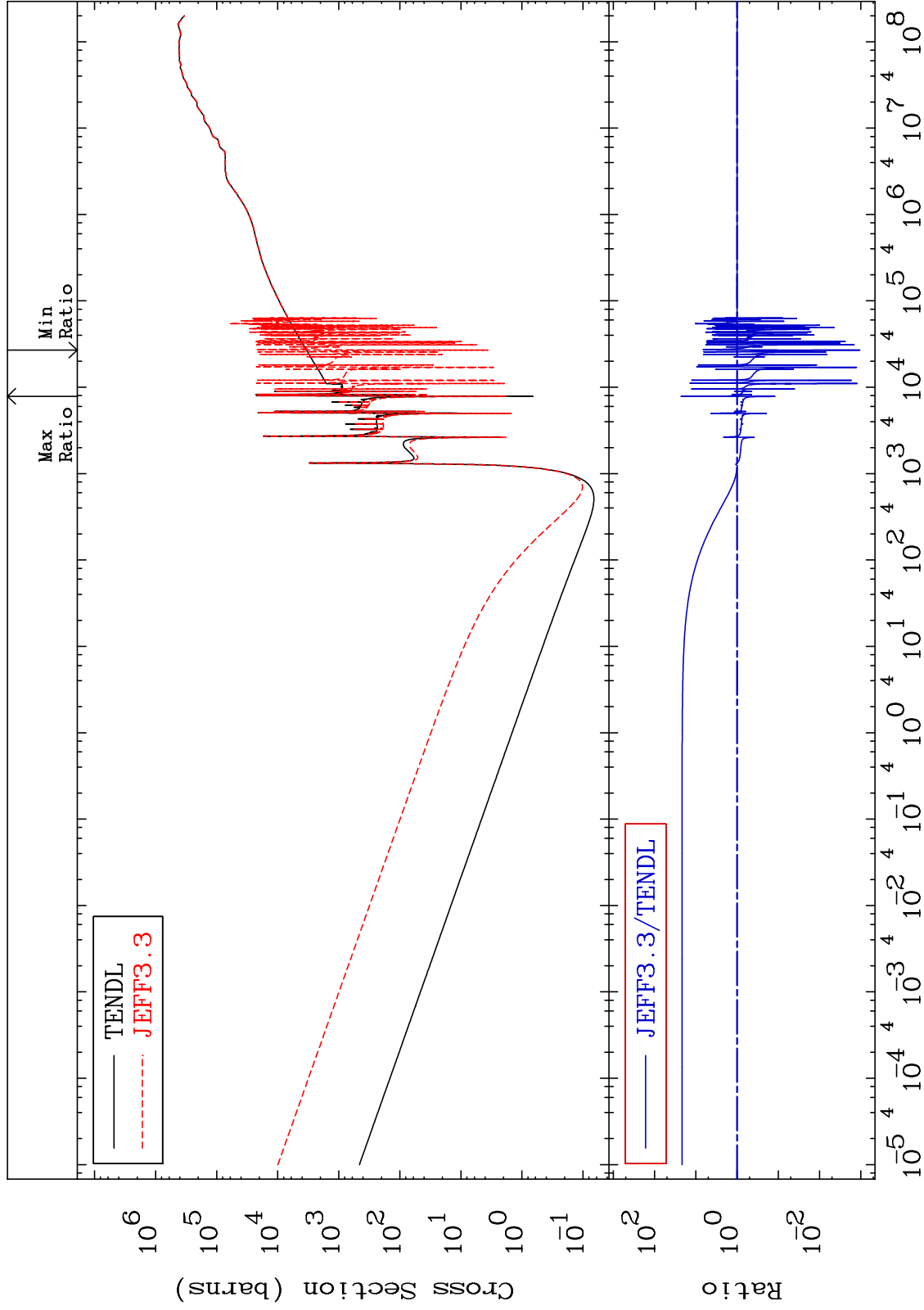
MAT 8037 Total kinematic kerma (high limit) 80-Hg-200  
 Cross Section -99.89 To 2061. %



MAT 8037

Dpa total (eV-barns)  
Cross Section

80-Hg-200  
-99.89 To 2153. %



70

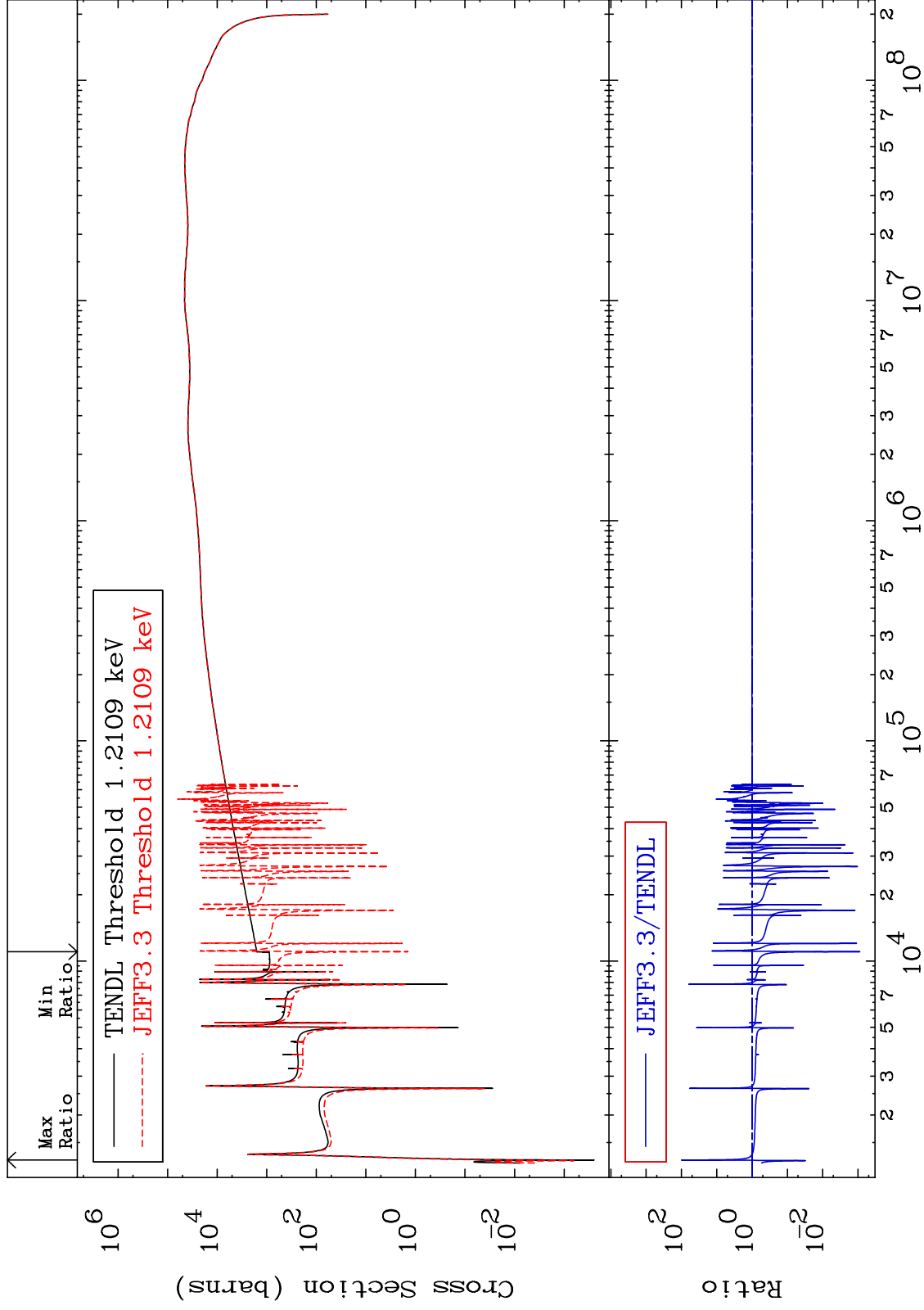
Incident Energy (eV)

80-Hg-200

MAT 8037

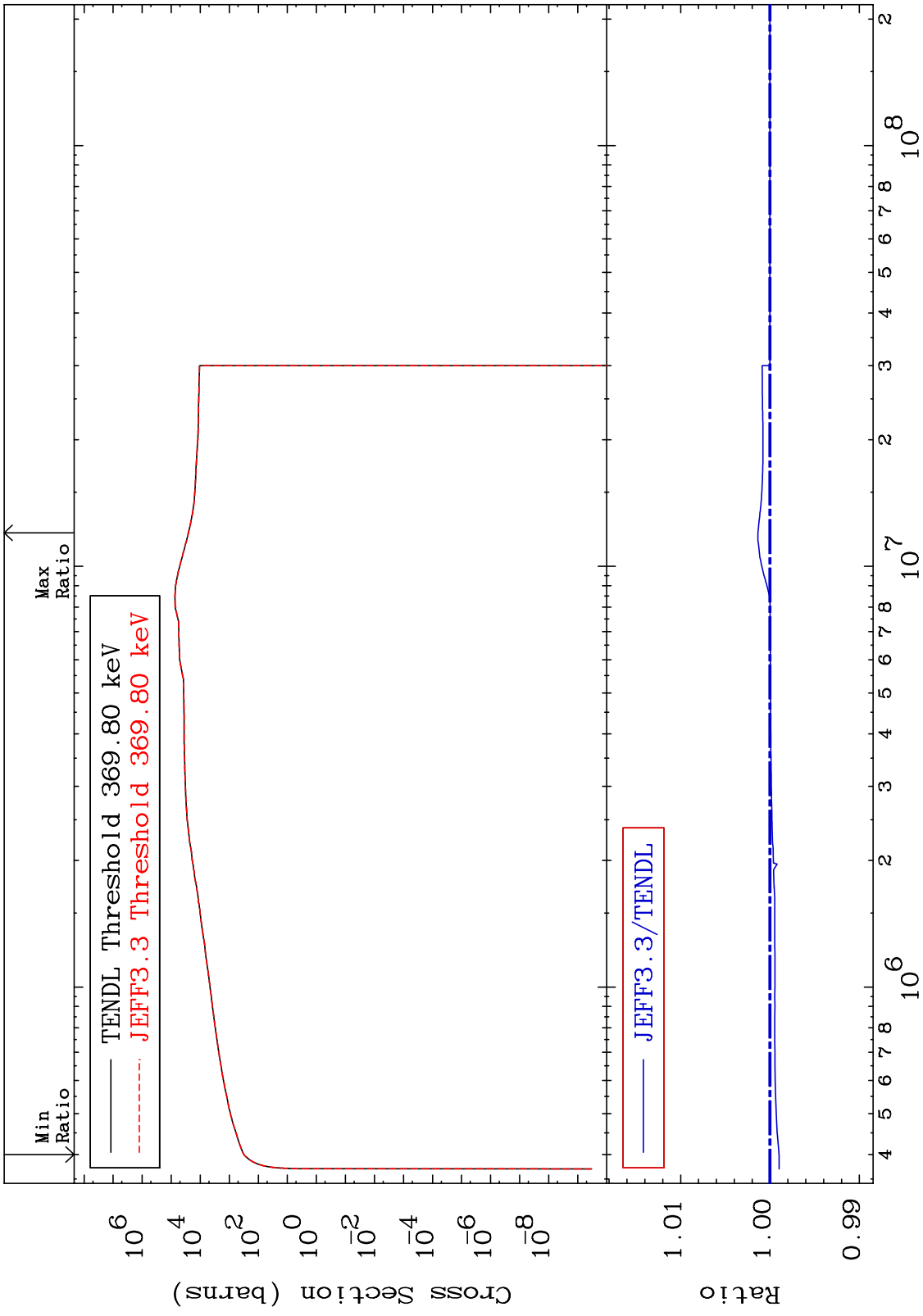
Dpa elastic (mt2)  
Cross Section

80-Hg-200  
-99.91 To 9999. %

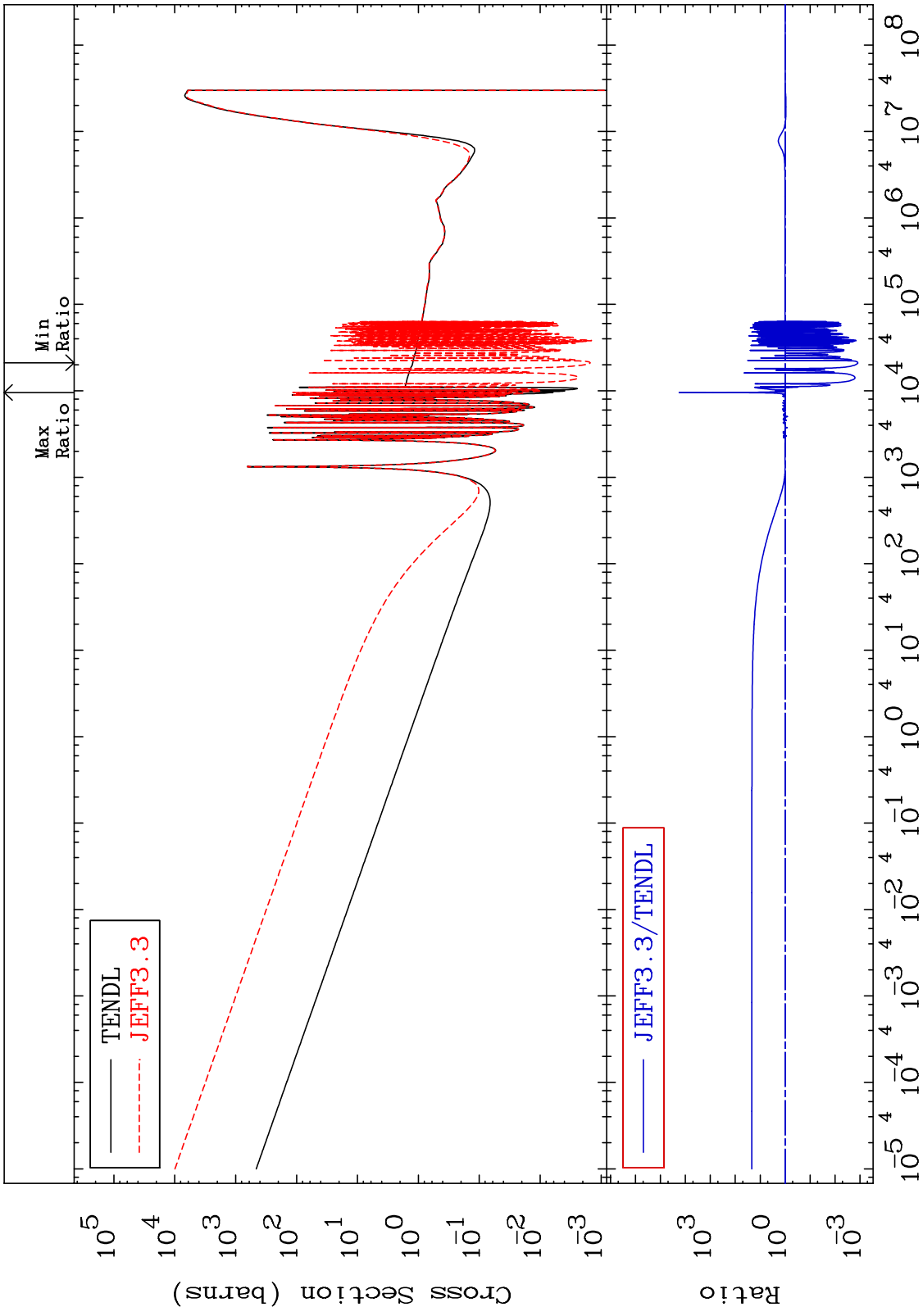




MAT 8037 Dpa inelastic (mt51-91) 80-Hg-200  
 Cross Section -0.101 To 0.136 %



MAT 8037      Dpa disappearance (mt102 -120)      80-Hg-200  
 Cross Section      -99.88 To 9999. %

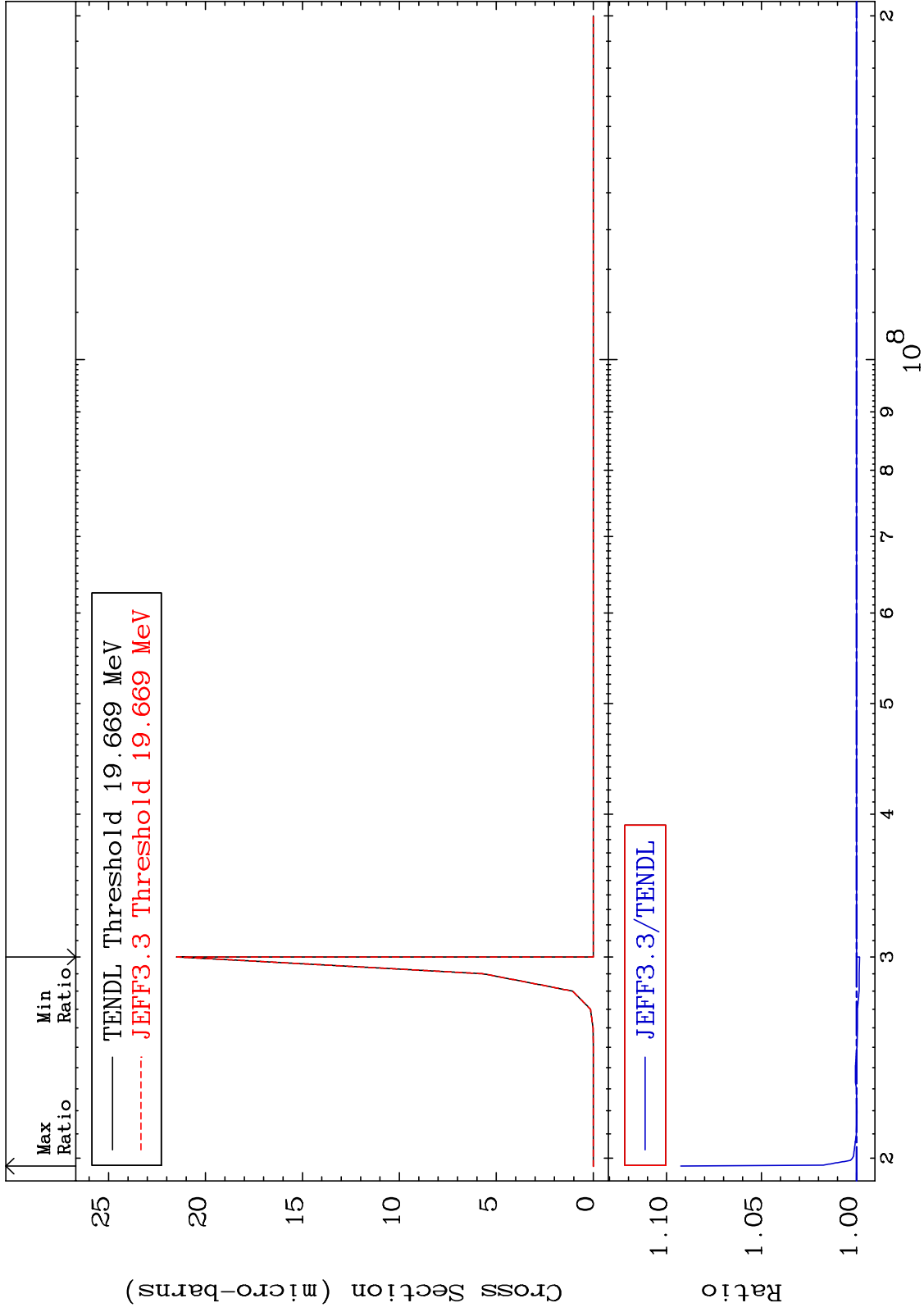


MAT 8037

(n,2n) d:79-Au-197g

80-Hg-200

Radionuclide Production Cross Section -0.164 To 9.248 %



74

Incident Energy (eV)

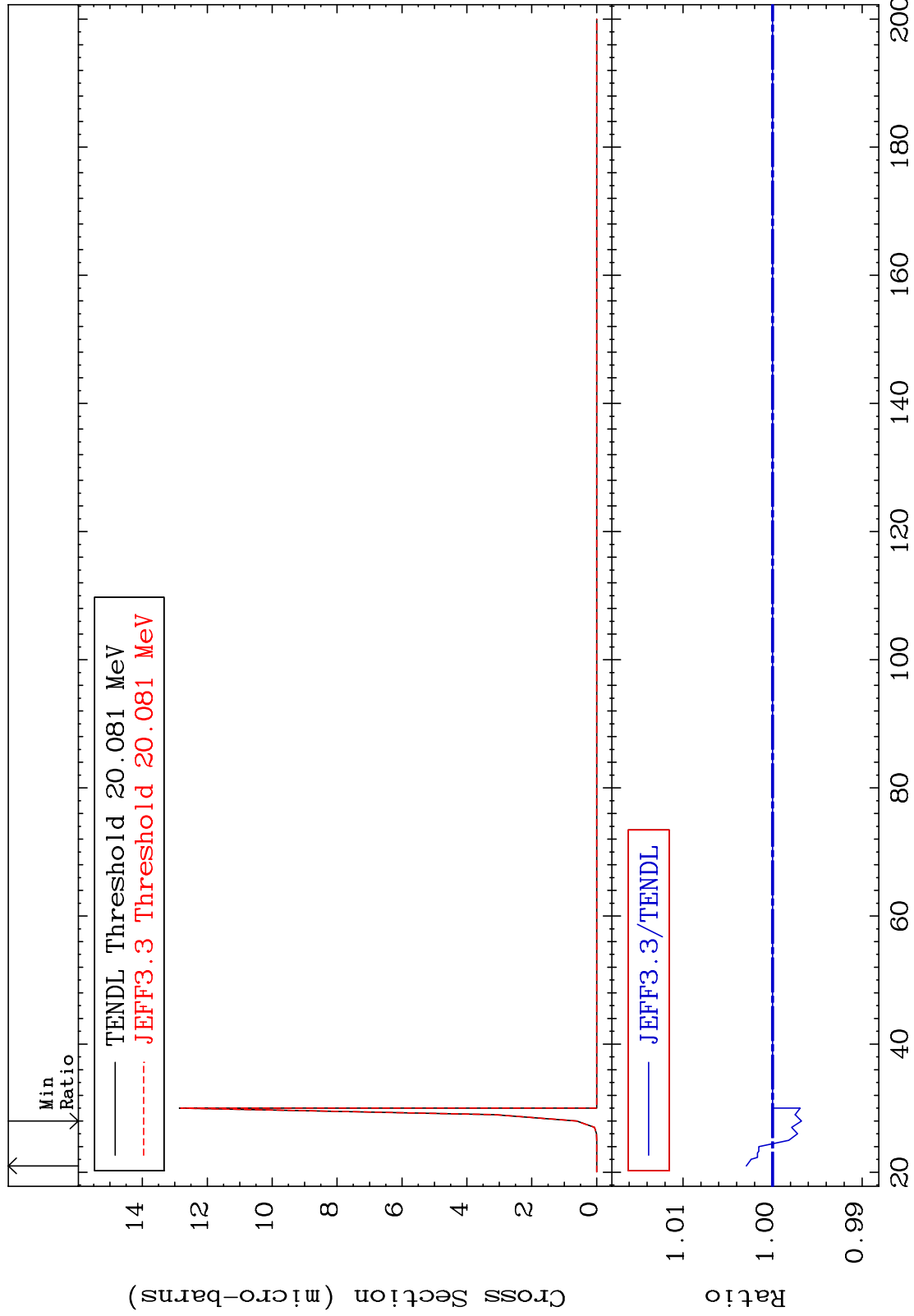
80-Hg-200

MAT 8037

(n,2n) d:79-Au-197m4

80-Hg-200

Radionuclide Production Cross Section -0.324 To 0.292 %



75

Incident Energy (MeV)

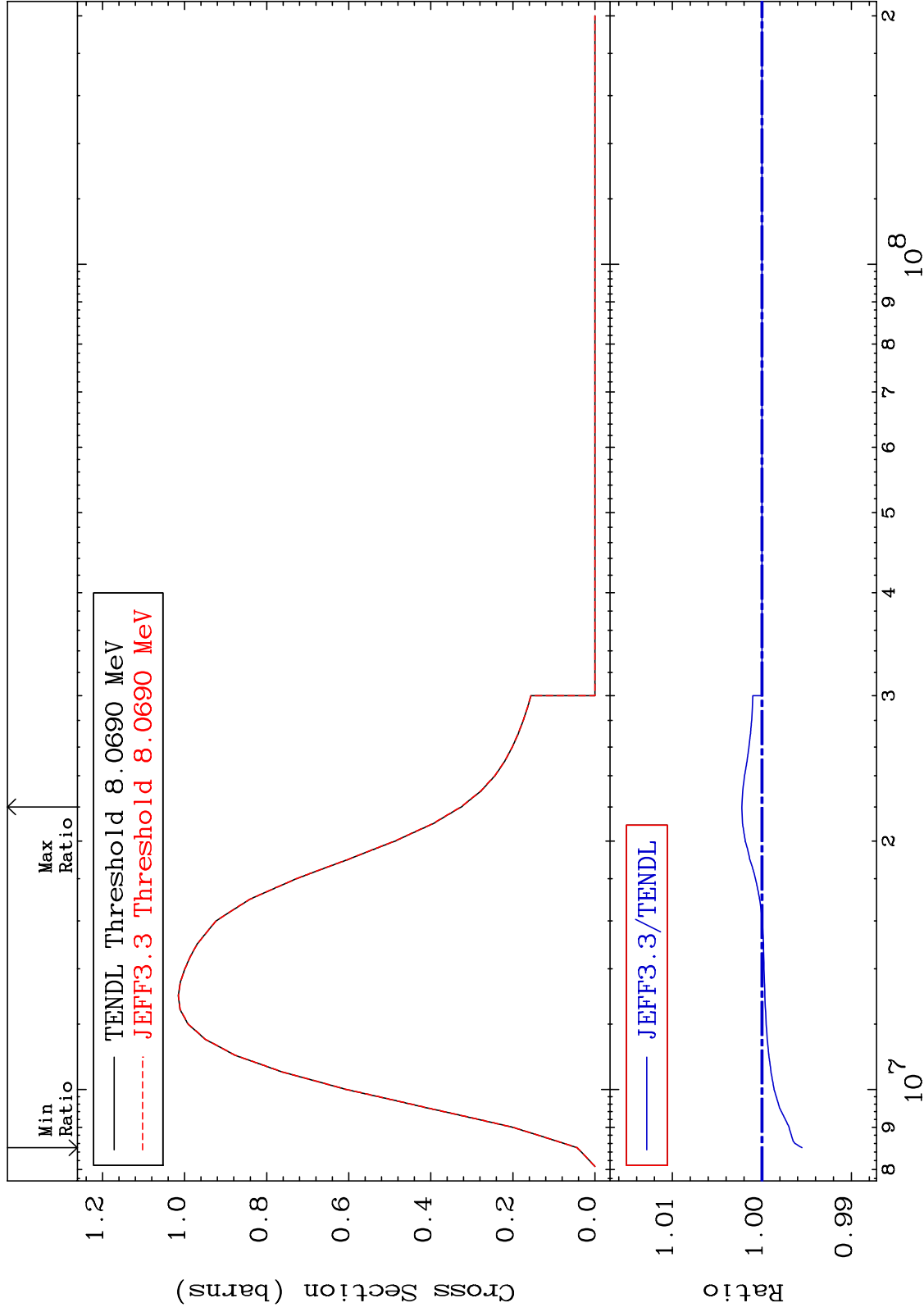
80-Hg-200

MAT 8037

(n,2n):80-Hg-199g

80-Hg-200

Radionuclide Production Cross Section -0.447 To 0.224 %



76

Incident Energy (eV)

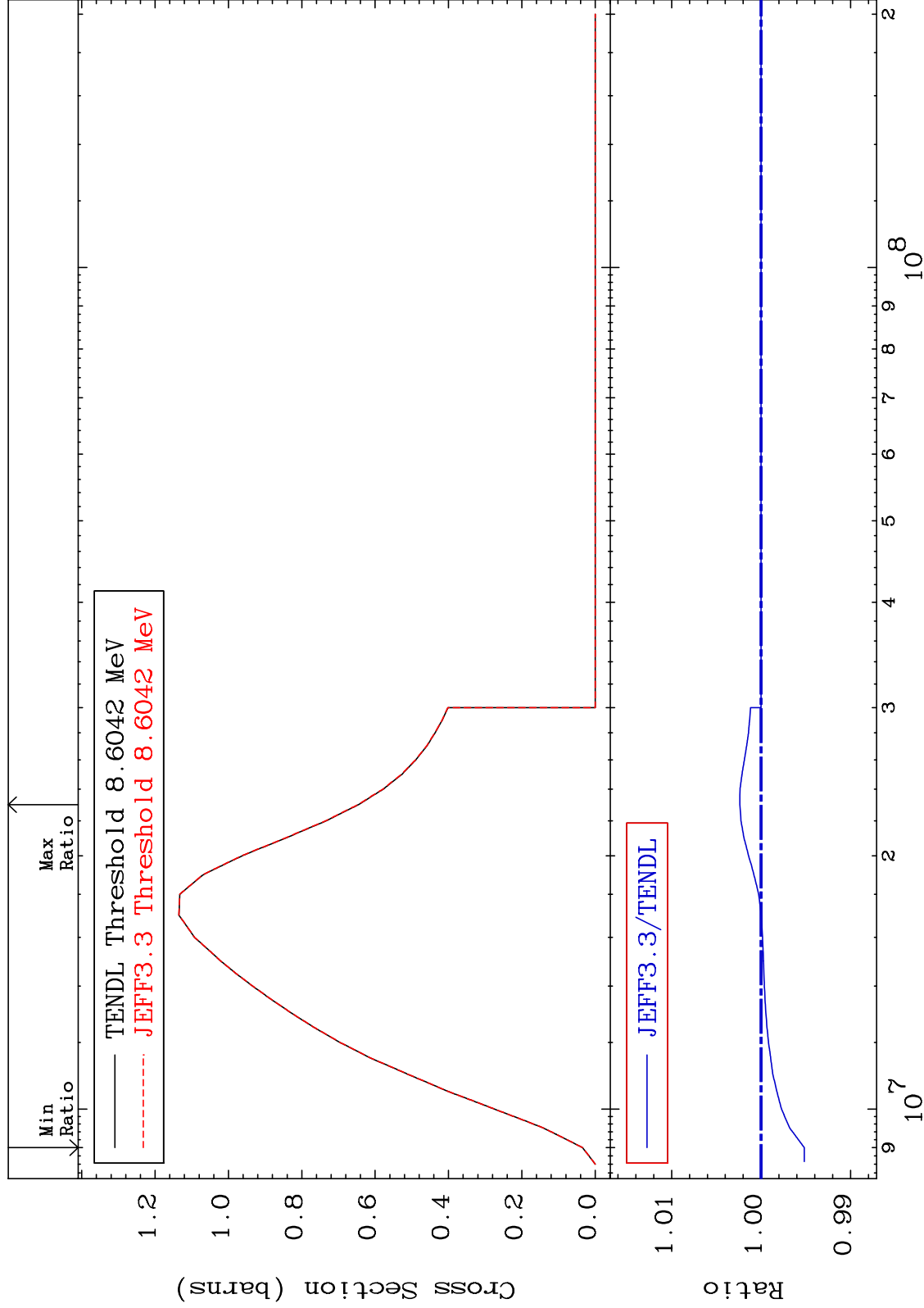
80-Hg-200

MAT 8037

(n,2n):80-Hg-199m7

80-Hg-200

Radionuclide Production Cross Section -0.483 To 0.238 %



77

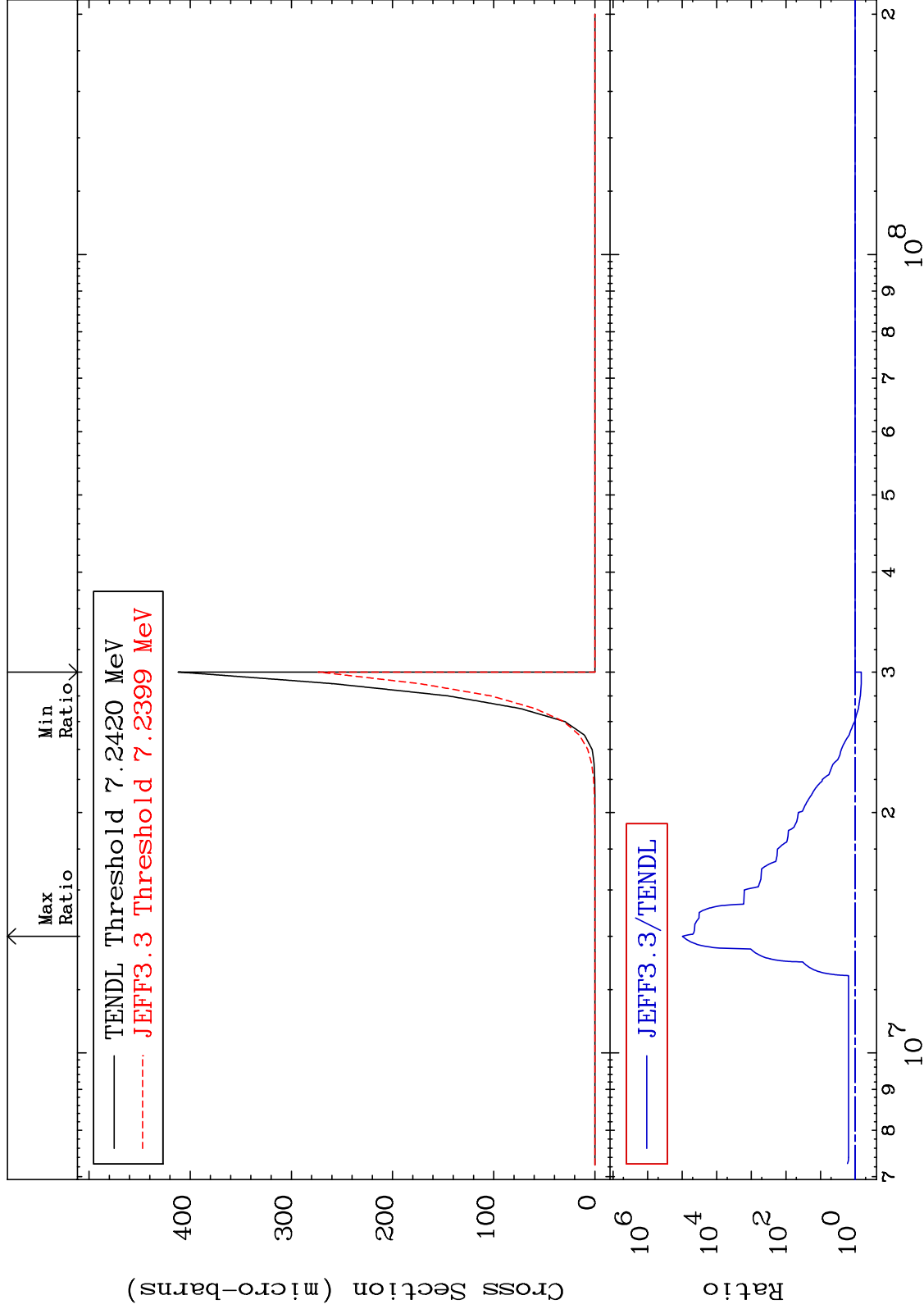
Incident Energy (eV)

80-Hg-200

MAT 8037

(n,2n)  $\alpha$ : 78-Pt-195g  
Radionuclide Production Cross Section -33.61 To 9999. %

80-Hg-200



78

Incident Energy (eV)

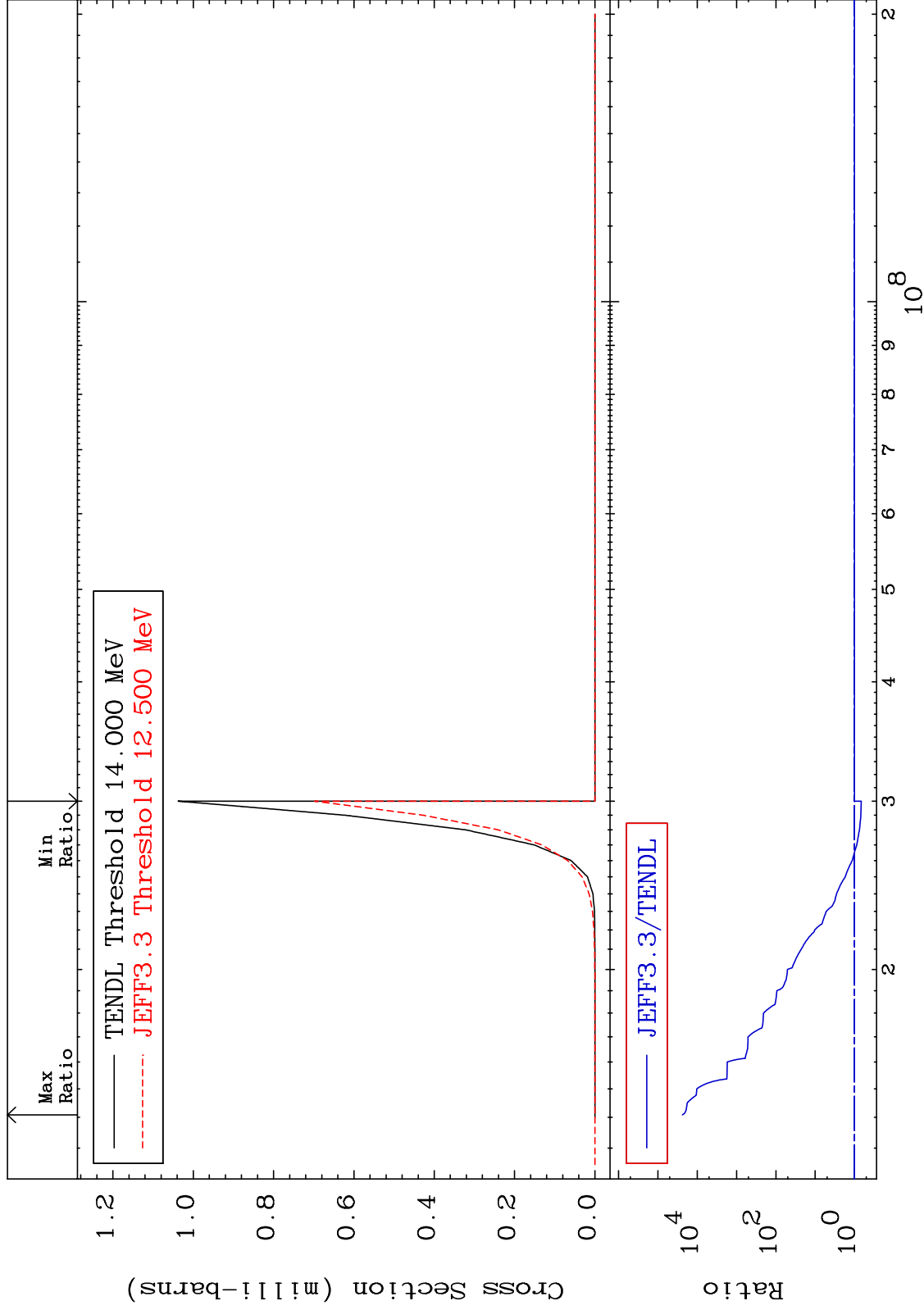
80-Hg-200

MAT 8037

(n,2n)  $\alpha$ :78-Pt-195m7

80-Hg-200

Radionuclide Production Cross Section -32.75 To 9999. %



79

Incident Energy (eV)

80-Hg-200

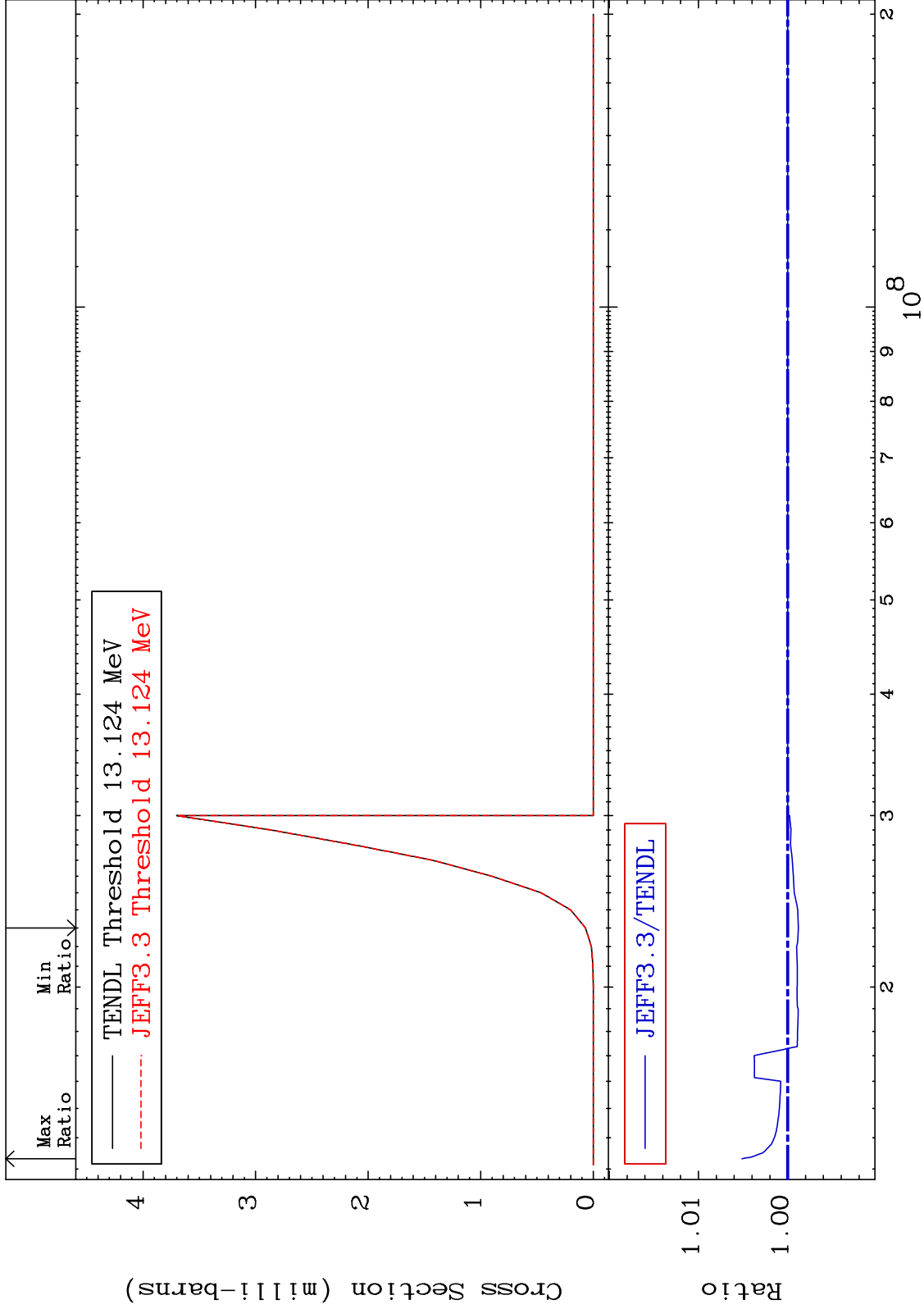


MAT 8037

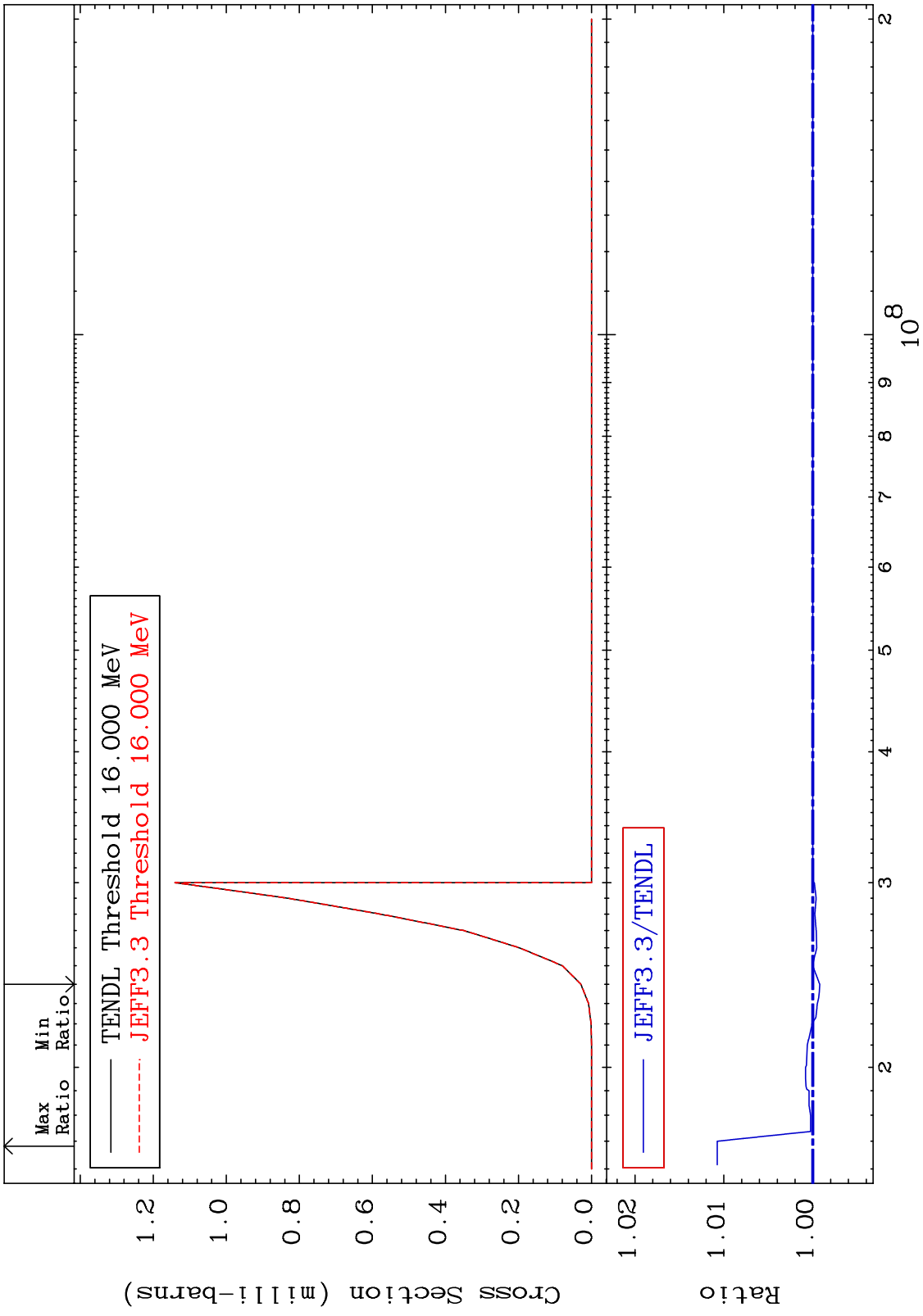
(n, n') d:79-Au-198g

80-Hg-200

Radionuclide Production Cross Section -0.120 To 0.511 %



MAT 8037 (n,n') d:79-Au-198m5 80-Hg-200  
 Radionuclide Production Cross Section -0.077 To 1.075 %

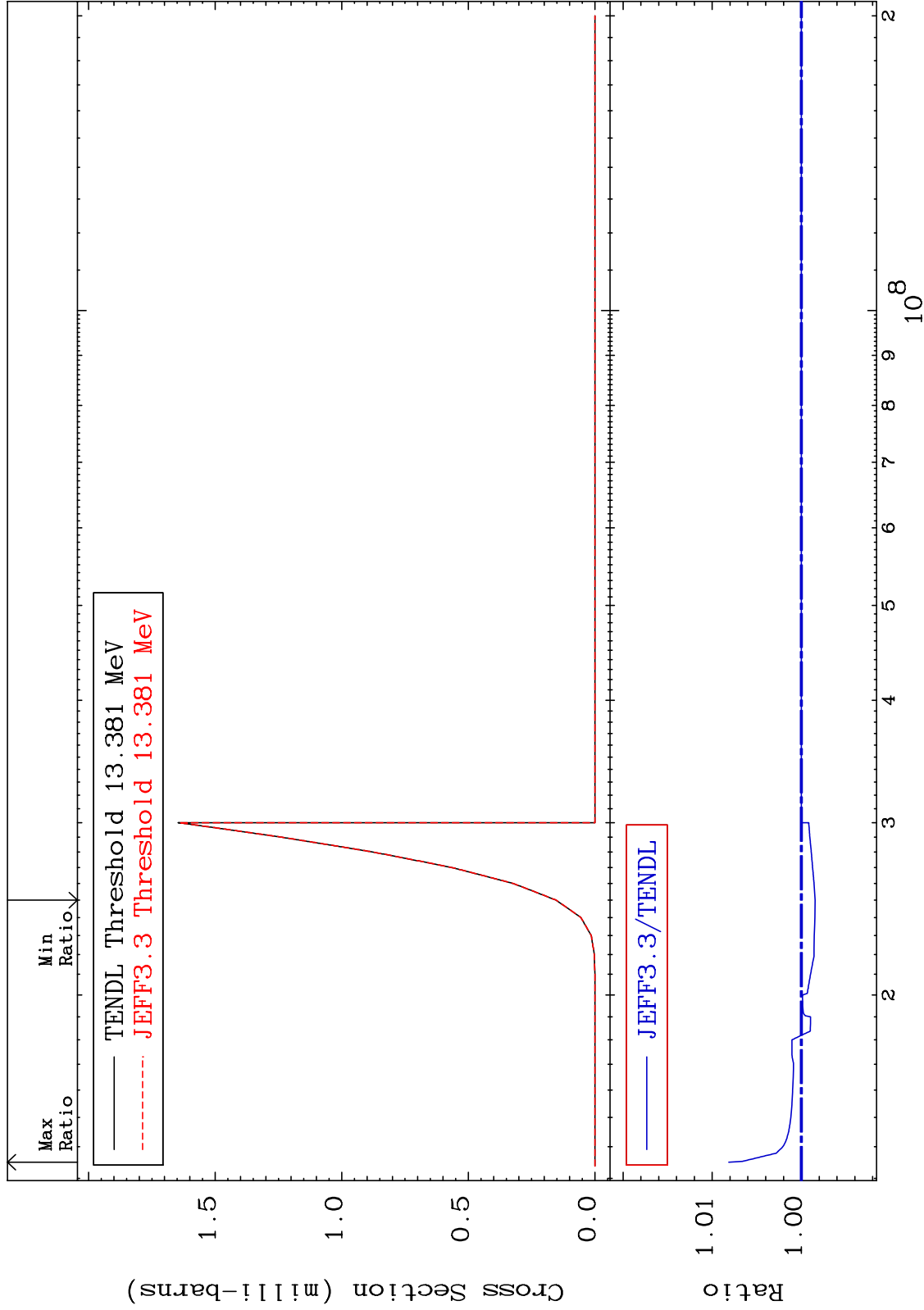


MAT 8037

(n, n') t:79-Au-197g

80-Hg-200

Radionuclide Production Cross Section -0.155 To 0.816 %

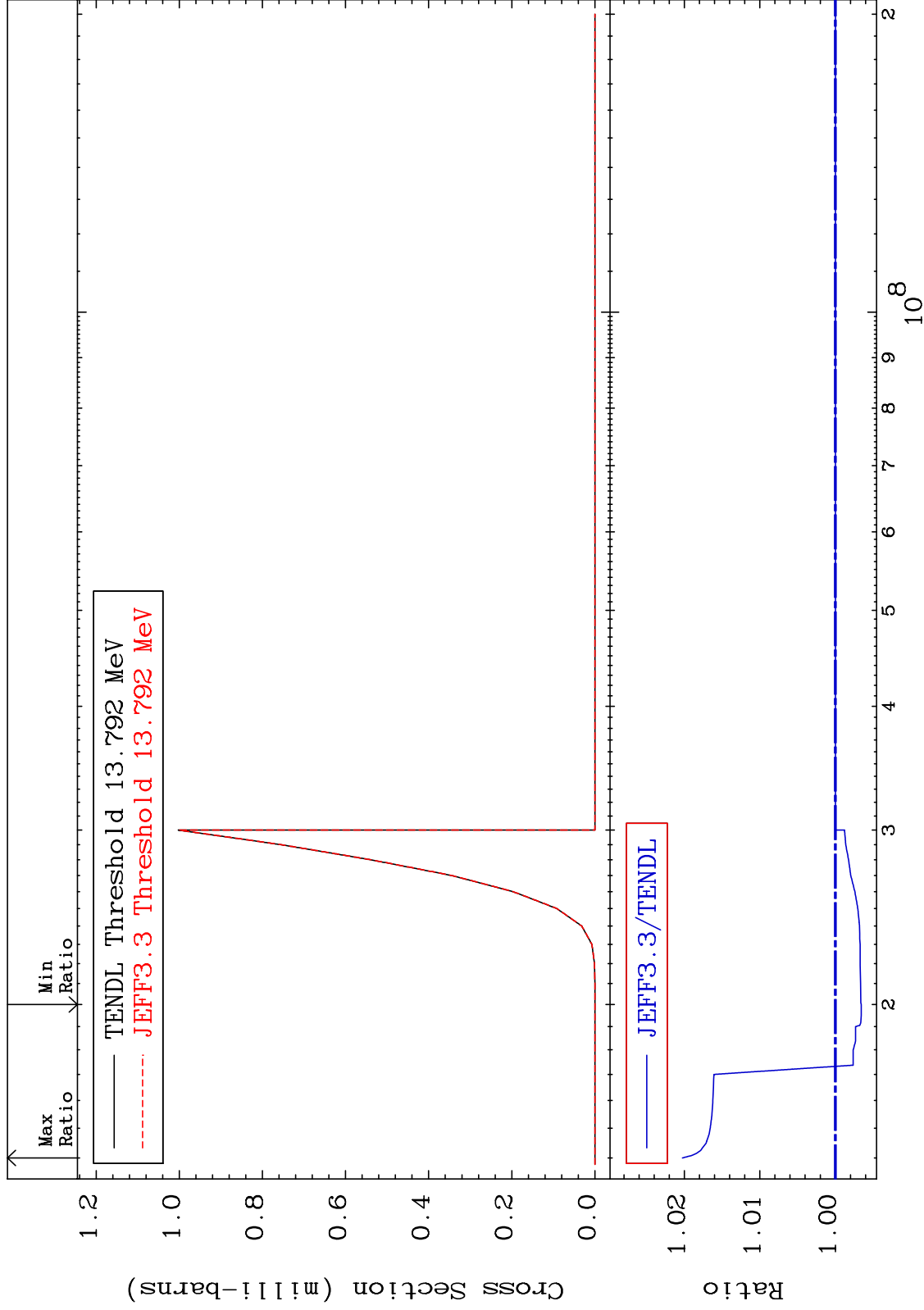


MAT 8037

(n,n') t:79-Au-197m4

80-Hg-200

Radionuclide Production Cross Section -0.344 To 2.025 %

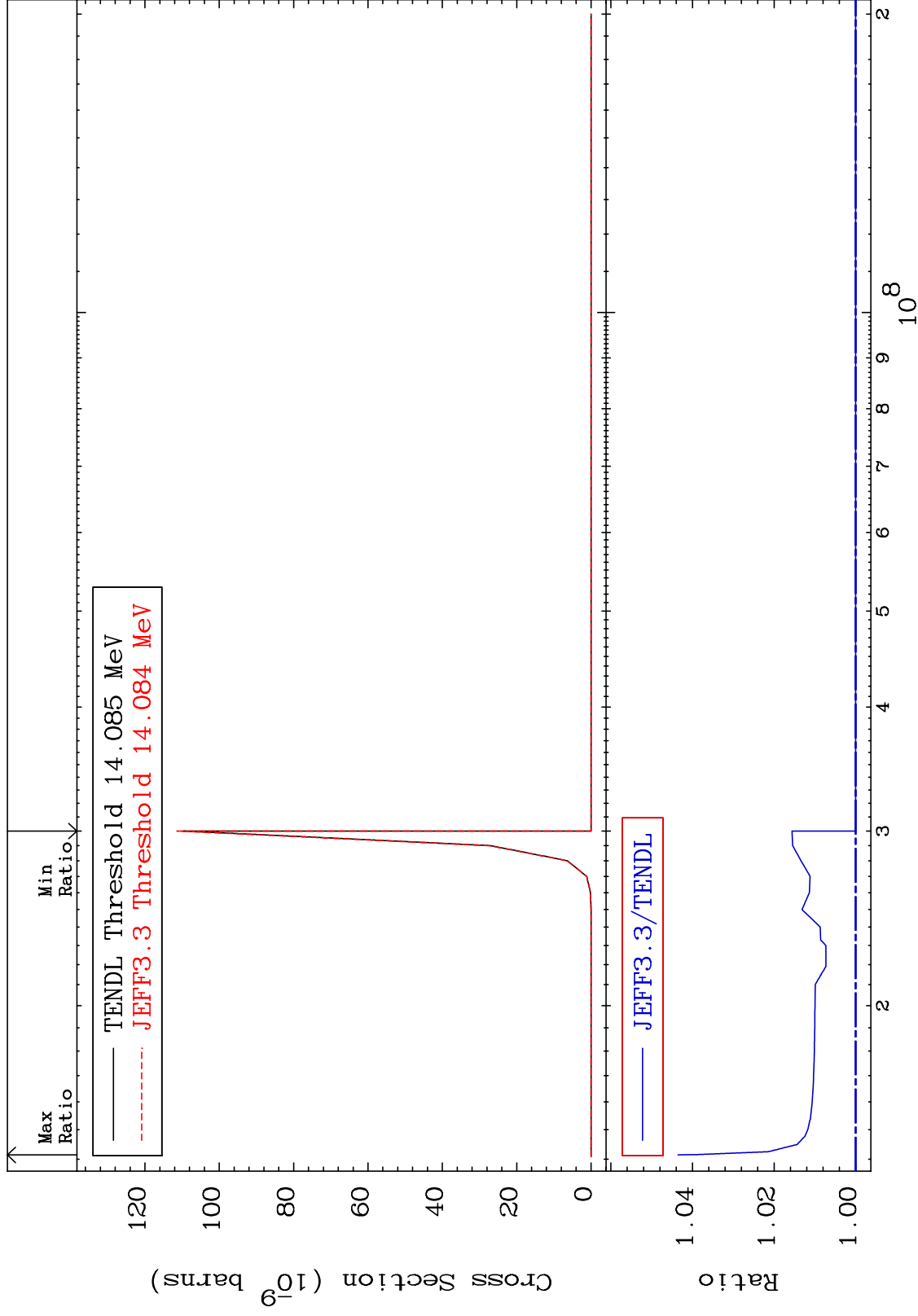


MAT 8037

(n,n') He-3:78-Pt-197g

80-Hg-200

Radionuclide Production Cross Section 0.000 To 4.355 %

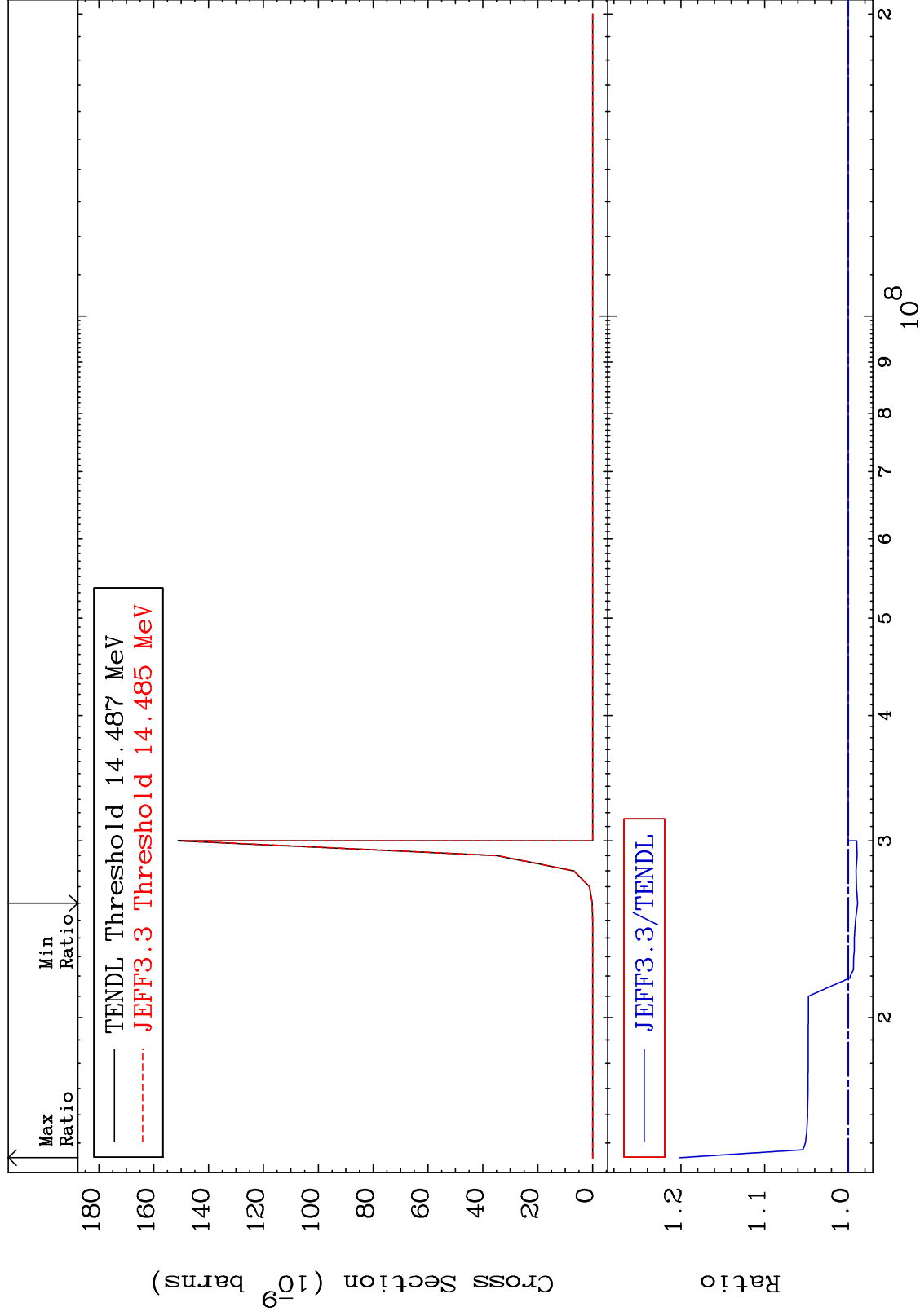


MAT 8037

(n, n') He-3:78-Pt-197m9

80-Hg-200

Radionuclide Production Cross Section -1.119 To 20.15 %



85

Incident Energy (eV)

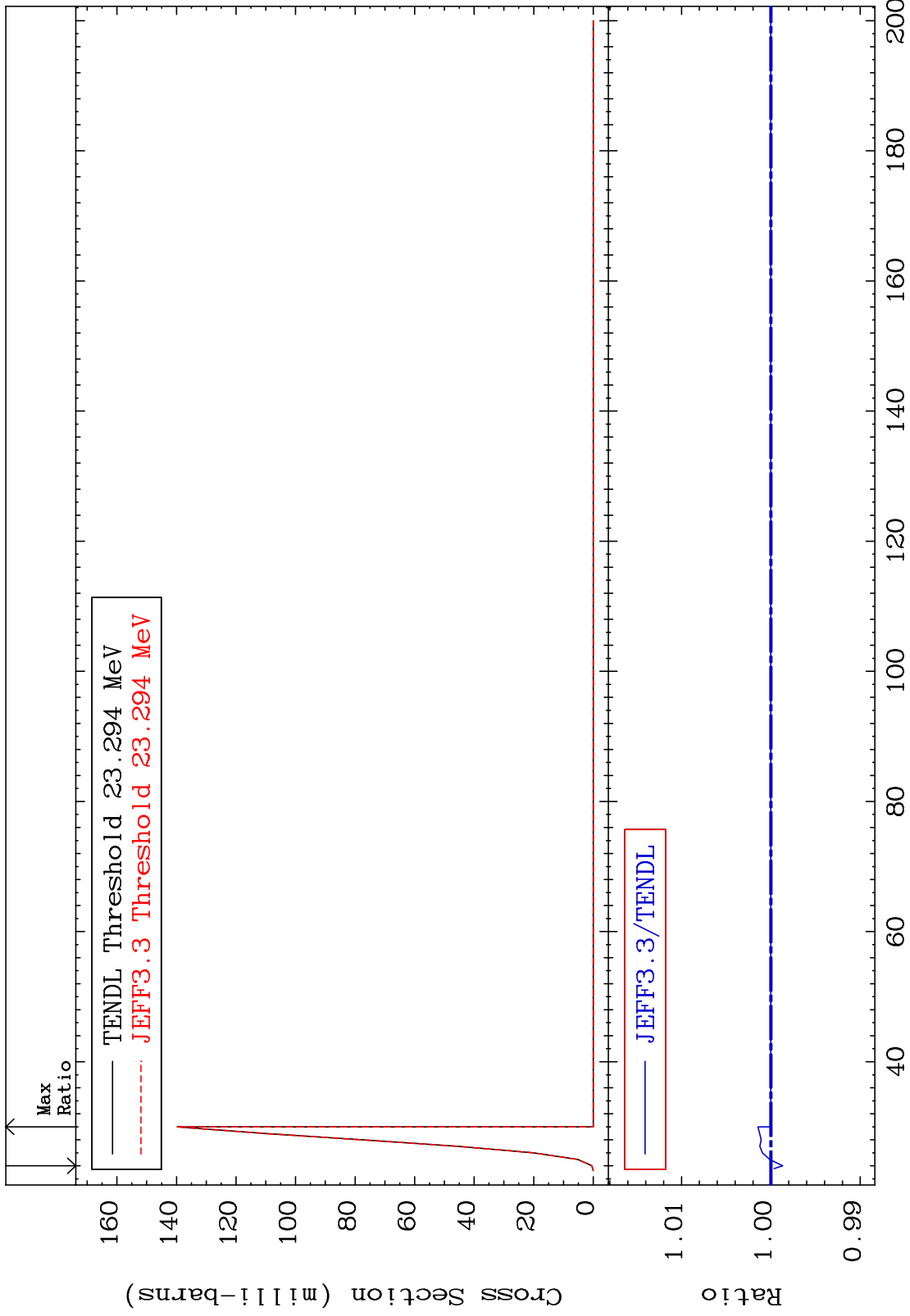
80-Hg-200

MAT 8037

(n,4n):80-Hg-197g

80-Hg-200

Radionuclide Production Cross Section -0.130 To 0.146 %



86

Incident Energy (MeV)

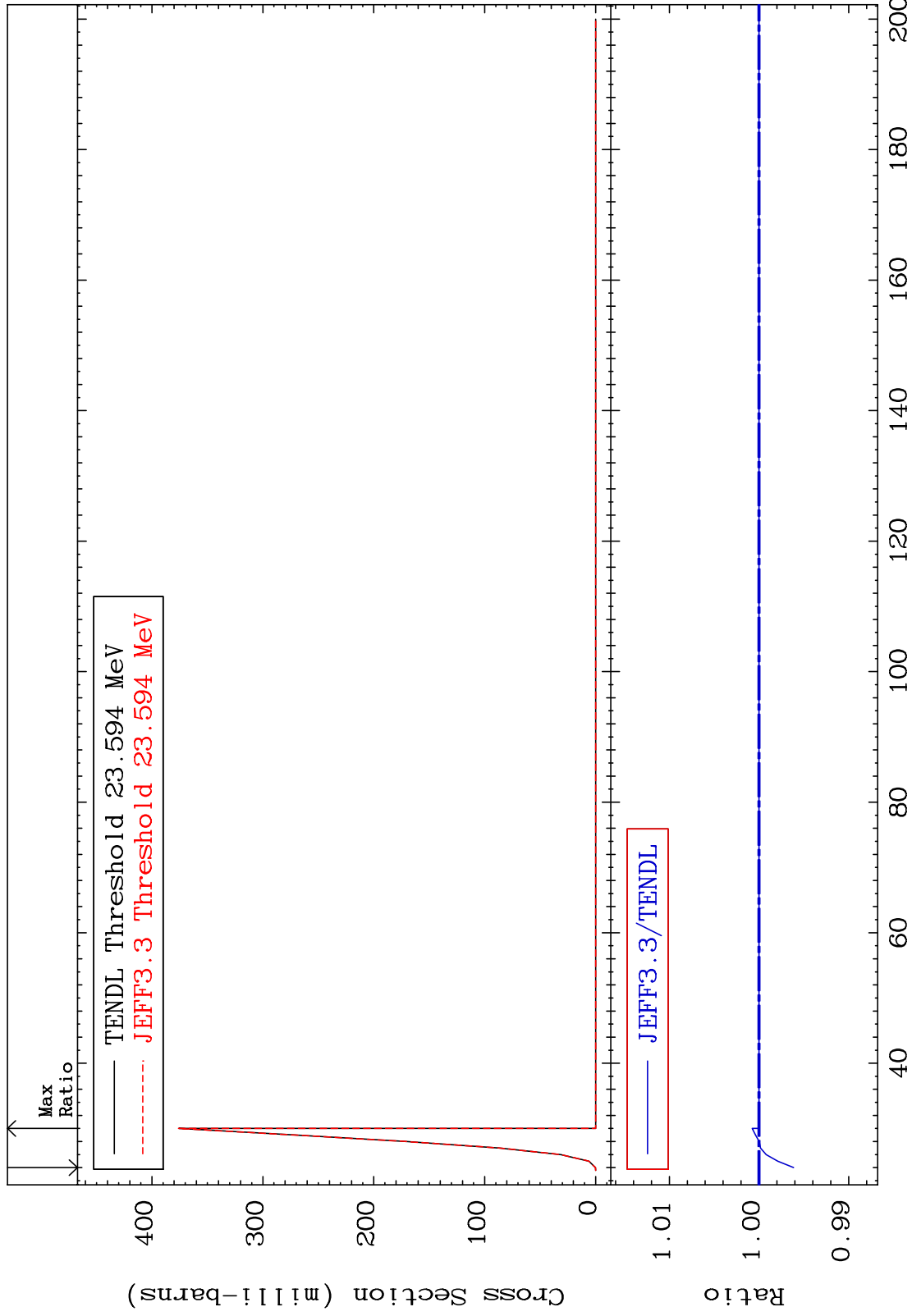
80-Hg-200

MAT 8037

(n, 4n) : 80-Hg-197m4

80-Hg-200

Radionuclide Production Cross Section -0.385 To 0.077 %



87

80-Hg-200

Incident Energy (MeV)

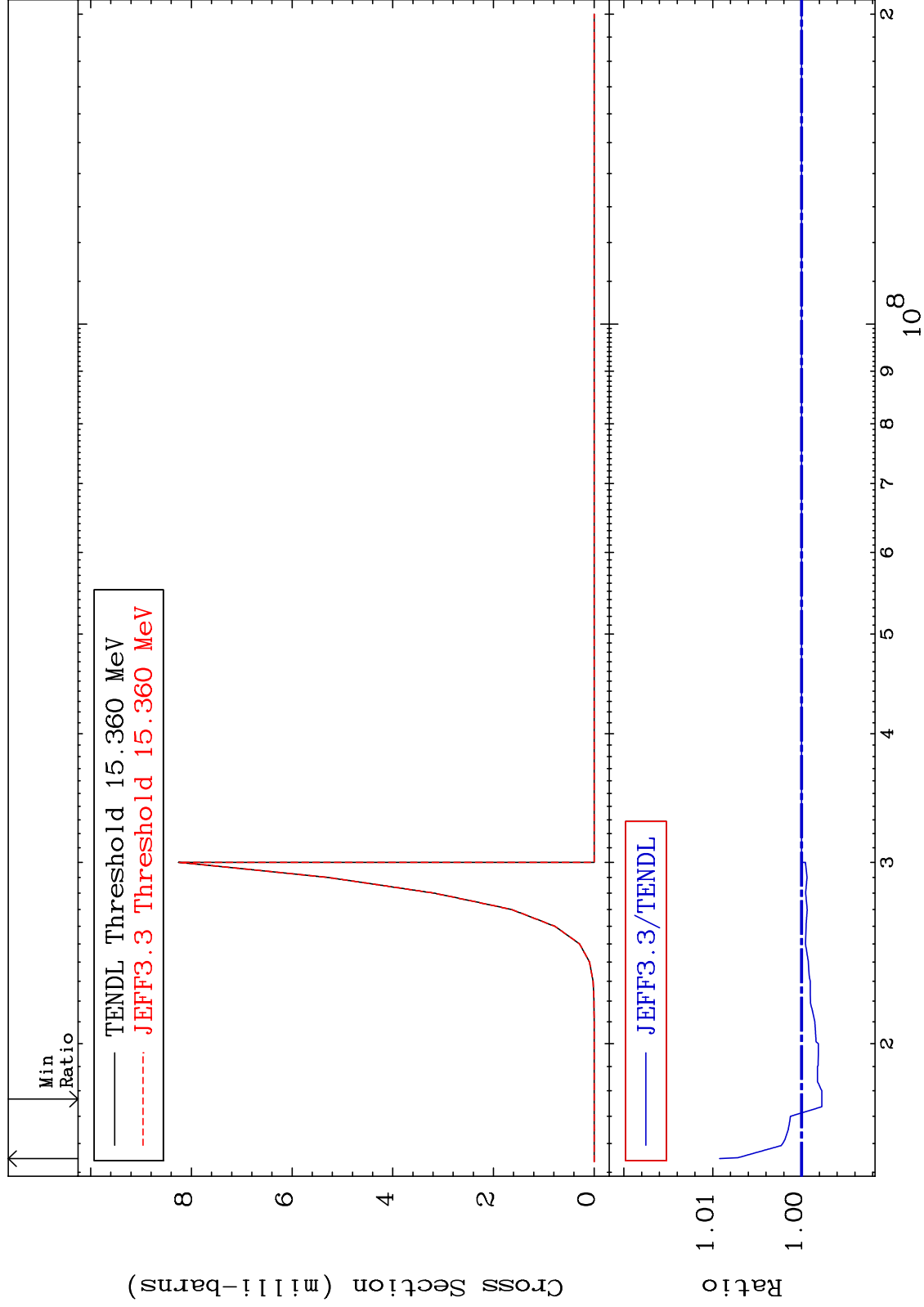


MAT 8037

(n,2n) p:79-Au-198g

80-Hg-200

Radionuclide Production Cross Section -0.227 To 0.924 %

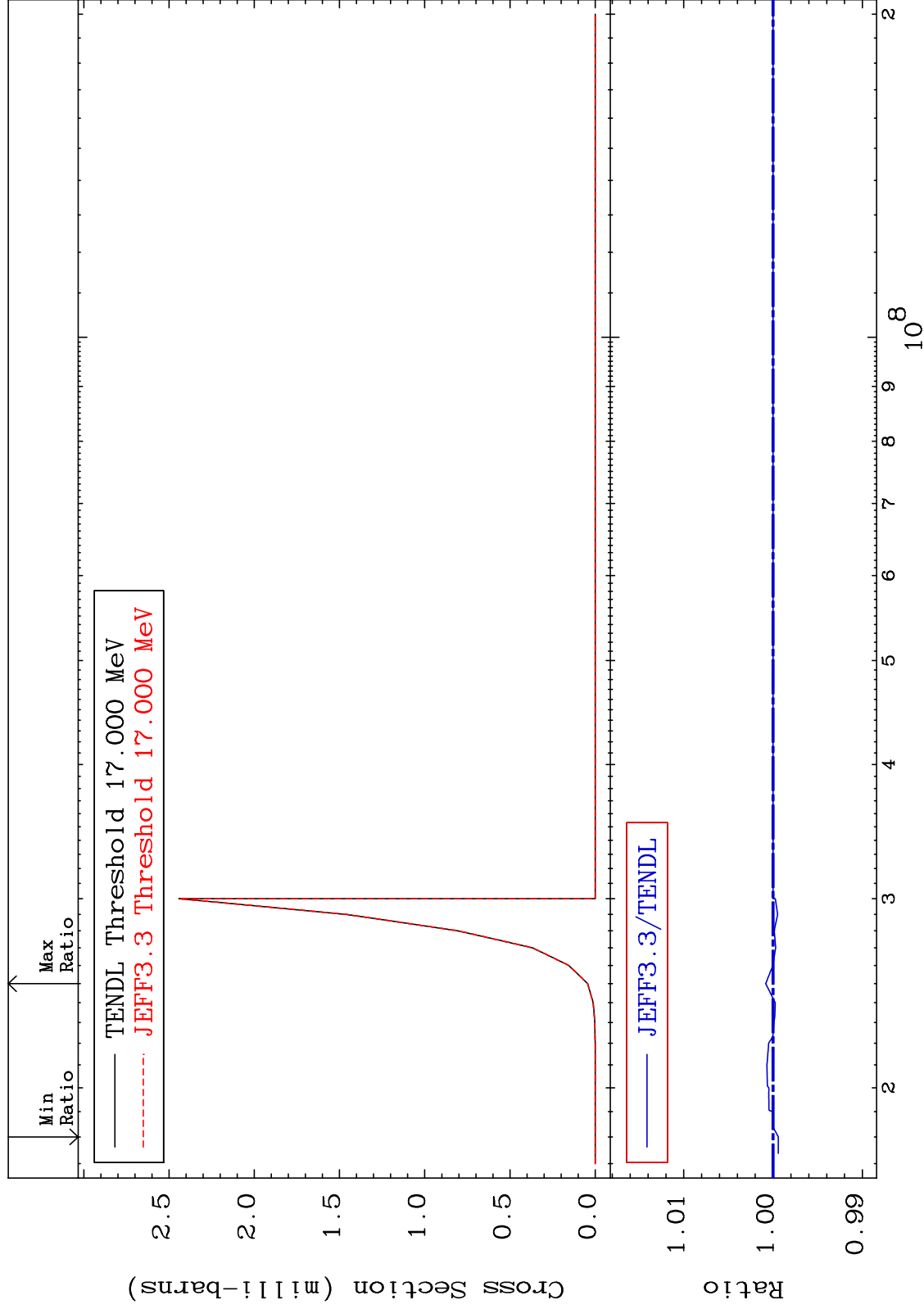


MAT 8037

(n,2n) p:79-Au-198m5

80-Hg-200

Radionuclide Production Cross Section -0.058 To 0.083 %

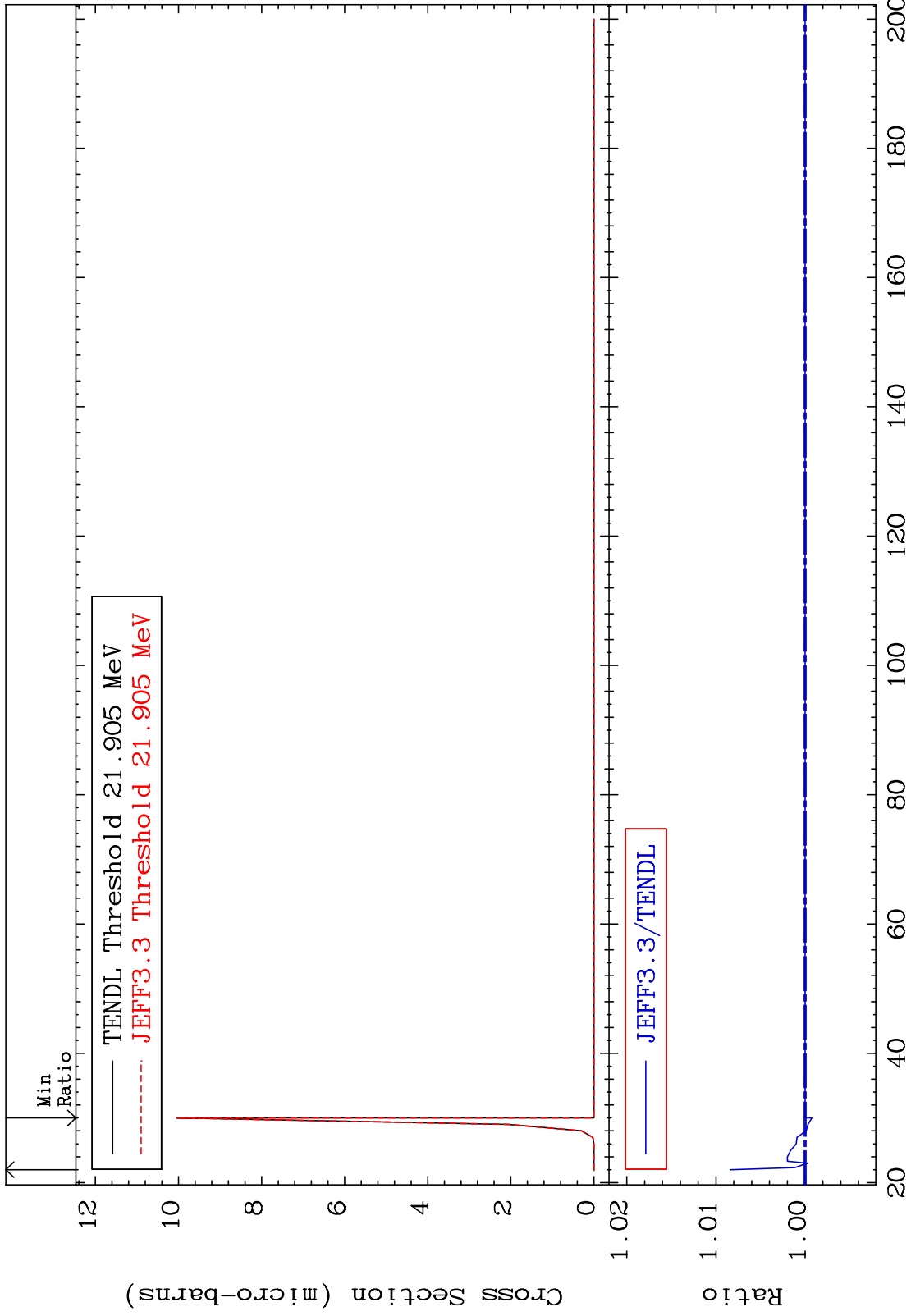


MAT 8037

(n,3n) p:79-Au-197g

80-Hg-200

Radionuclide Production Cross Section -0.077 To 0.841 %



90

Incident Energy (MeV)

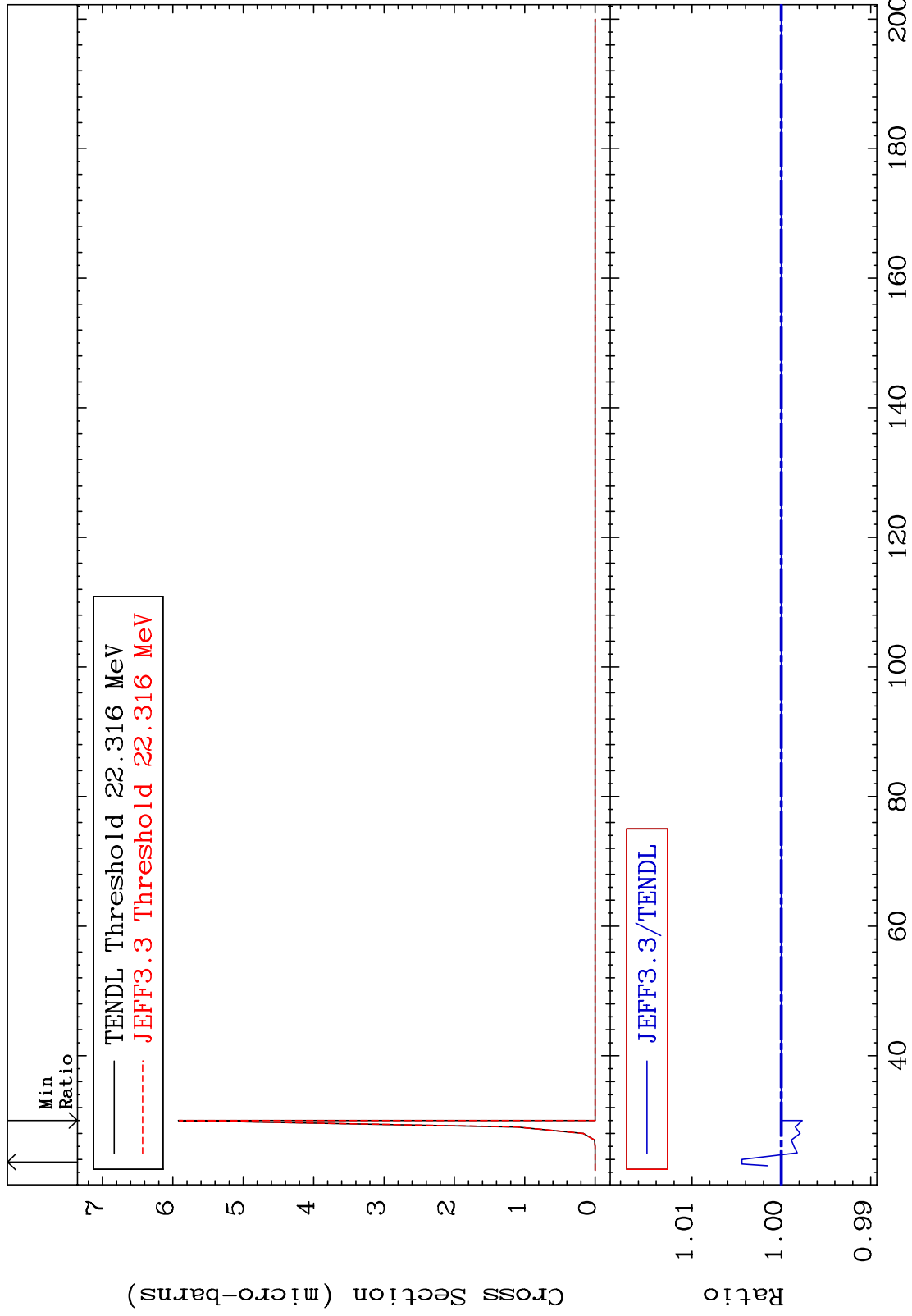
80-Hg-200

MAT 8037

(n,3n) p:79-Au-197m4

80-Hg-200

Radionuclide Production Cross Section -0.2335 To 0.441 %



91

Incident Energy (MeV)

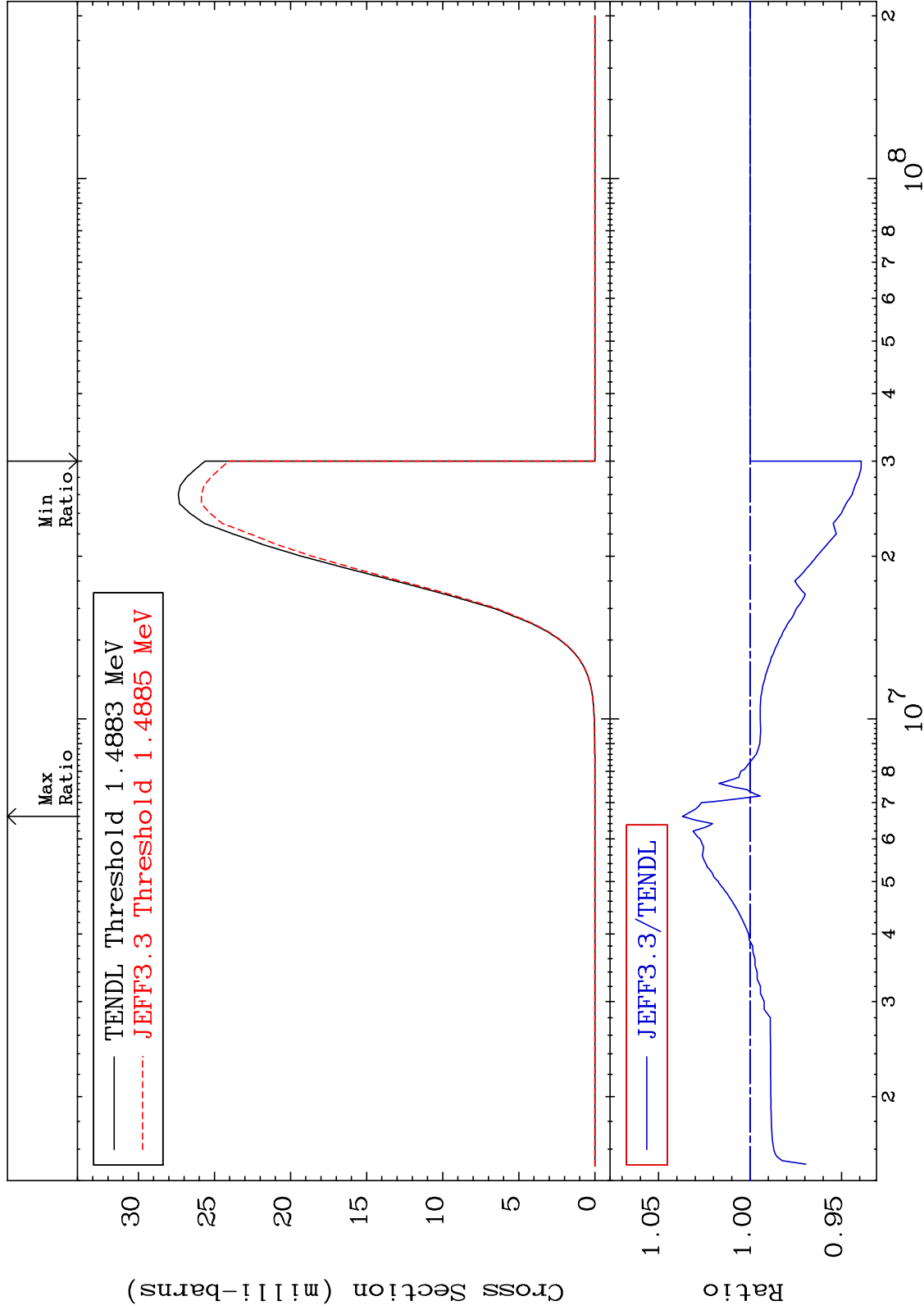
80-Hg-200

MAT 8037

(n,p) : 79-Au-200g

80-Hg-200

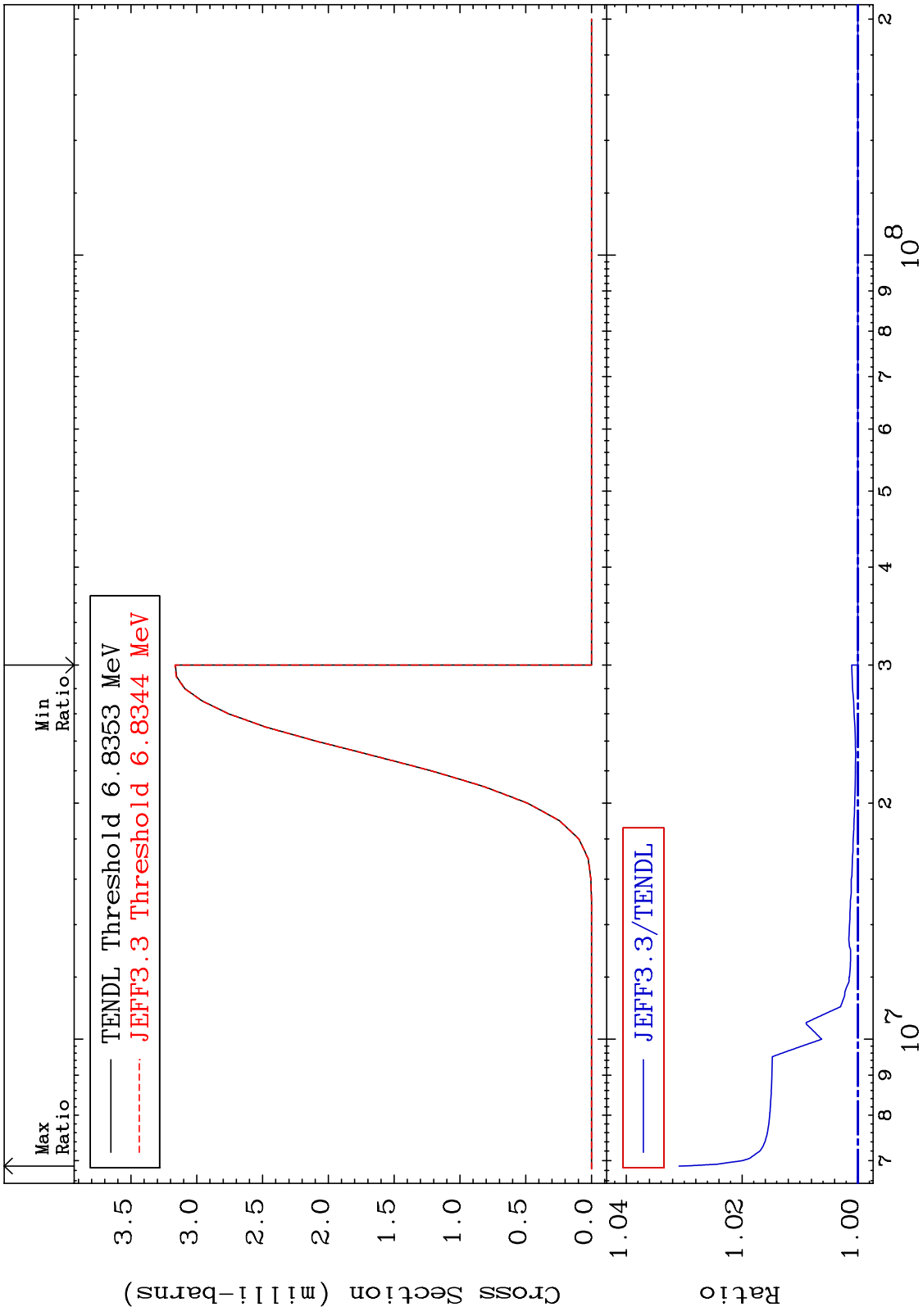
Radionuclide Production Cross Section -6.083 To 3.698 %



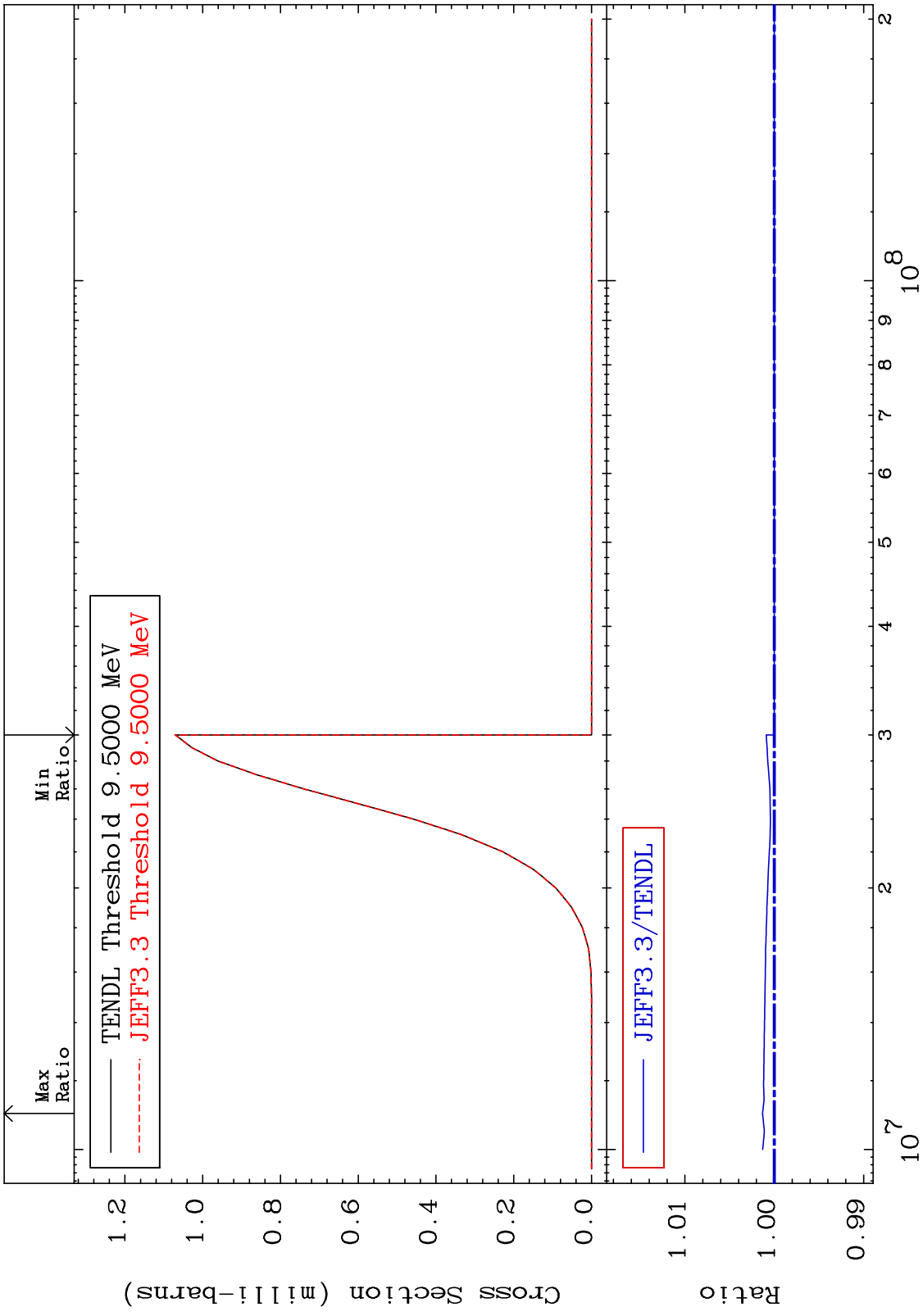
92

80-Hg-200

MAT 8037 (n,t):79-Au-198g 80-Hg-200  
 Radionuclide Production Cross Section 0.000 To 3.089 %



MAT 8037 (n, t) : 79-Au-198m5 80-Hg-200  
 Radionuclide Production Cross Section 0.000 To 0.131 %

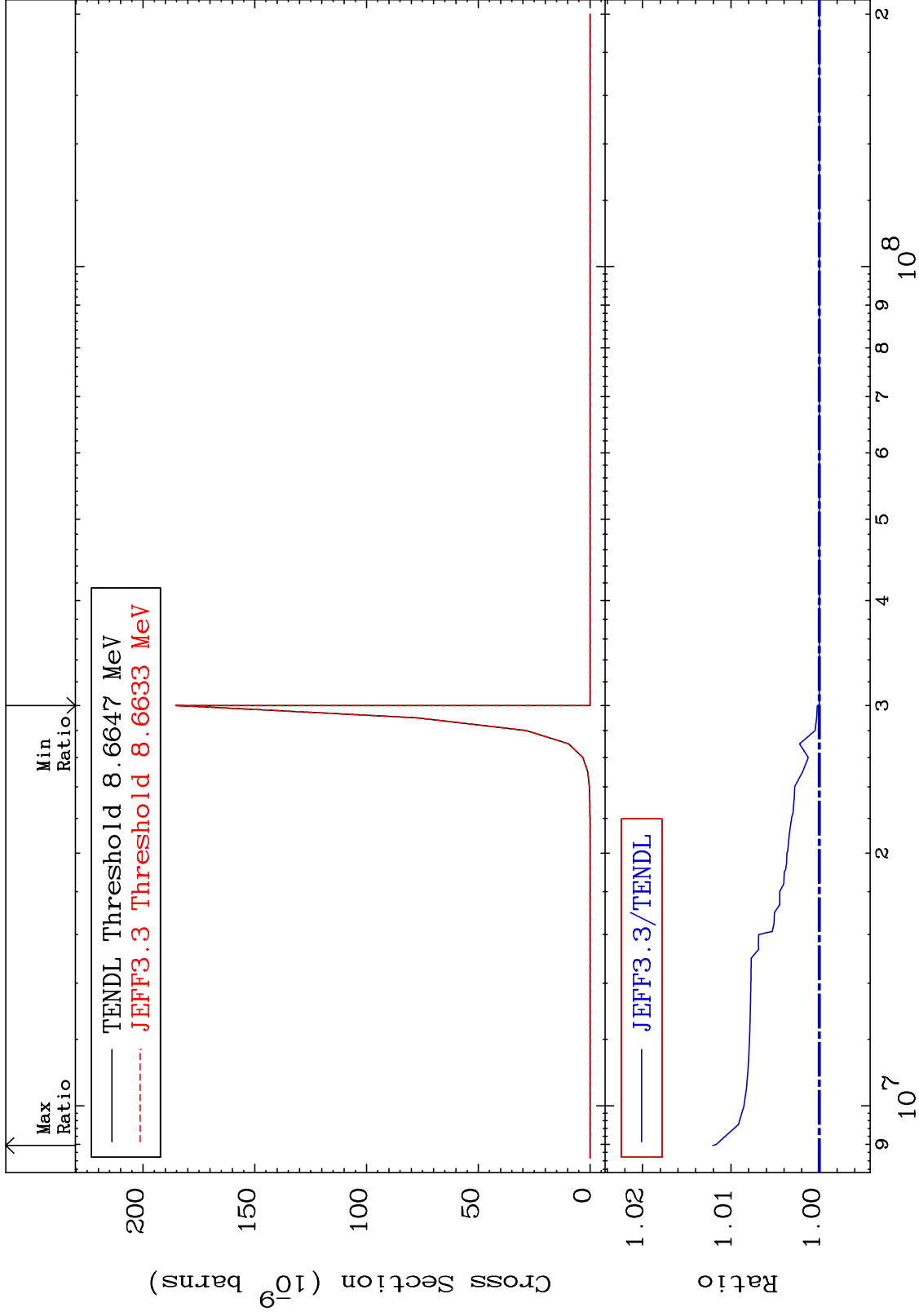


MAT 8037

(n,2p):78-Pt-199g

80-Hg-200

Radionuclide Production Cross Section 0.000 To 1.206 %



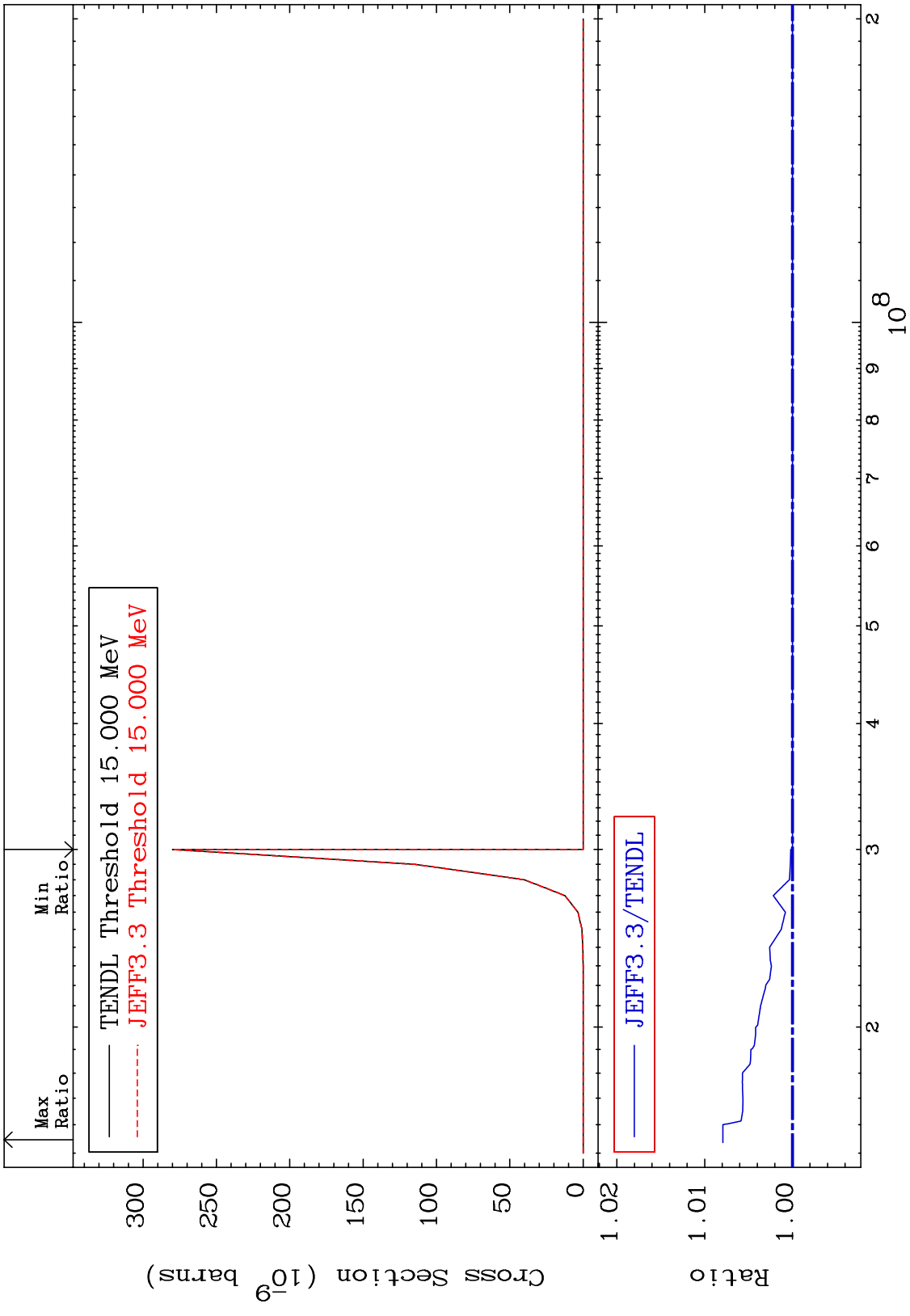
95

Incident Energy (eV)

80-Hg-200

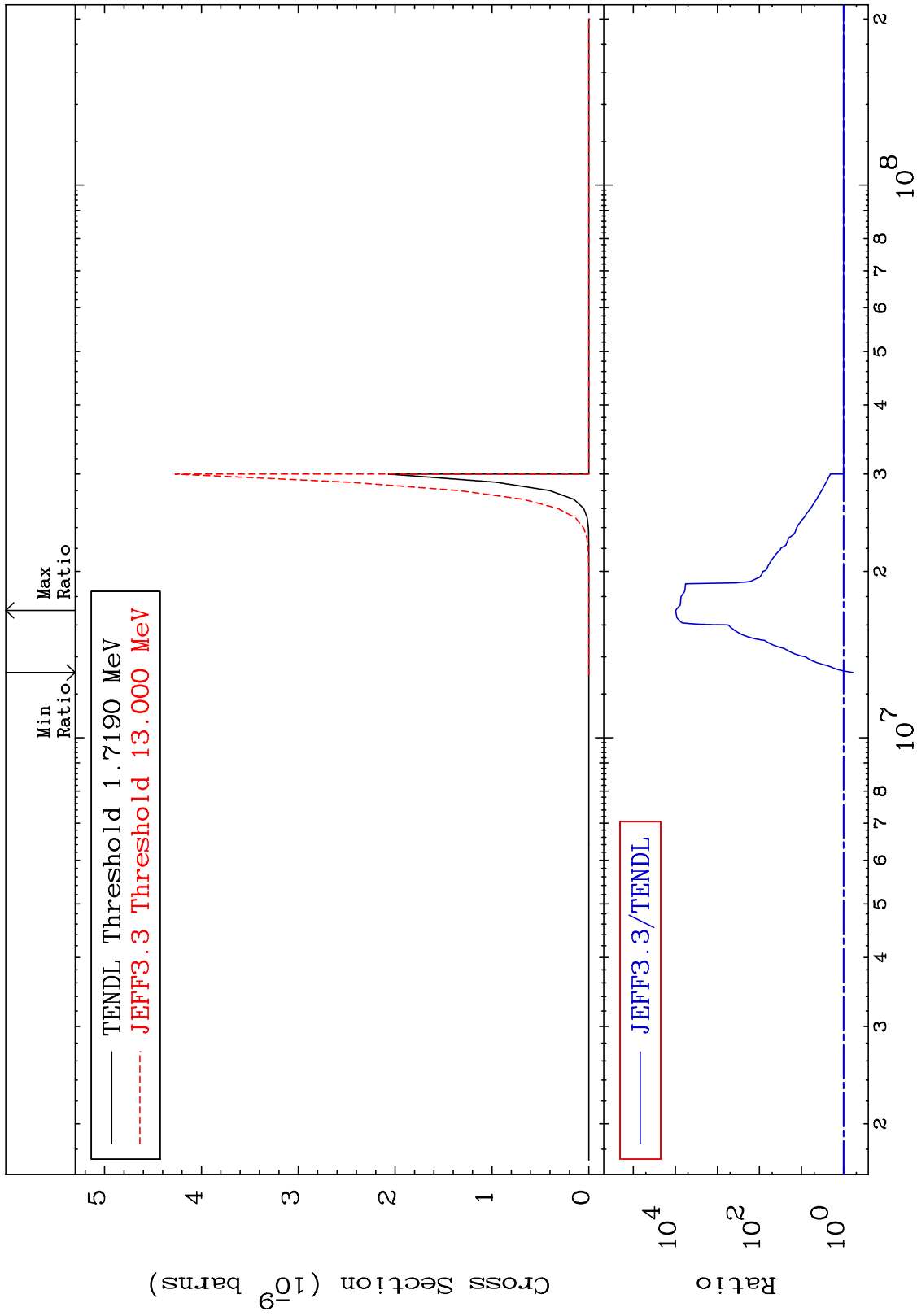


MAT 8037 (n,2p):78-Pt-199m8 80-Hg-200  
 Radionuclide Production Cross Section 0.000 To 0.793 %



MAT 8037

(n,p)  $\alpha$ : 77-Ir-196g 80-Hg-200  
Radionuclide Production Cross Section -40.64 To 9999. %



97

Incident Energy (eV)

80-Hg-200

MAT 8037

(n, p)  $\alpha$ : 77-Ir-196m4

80-Hg-200

Radionuclide Production Cross Section -65.68 To 9999. %

