

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
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

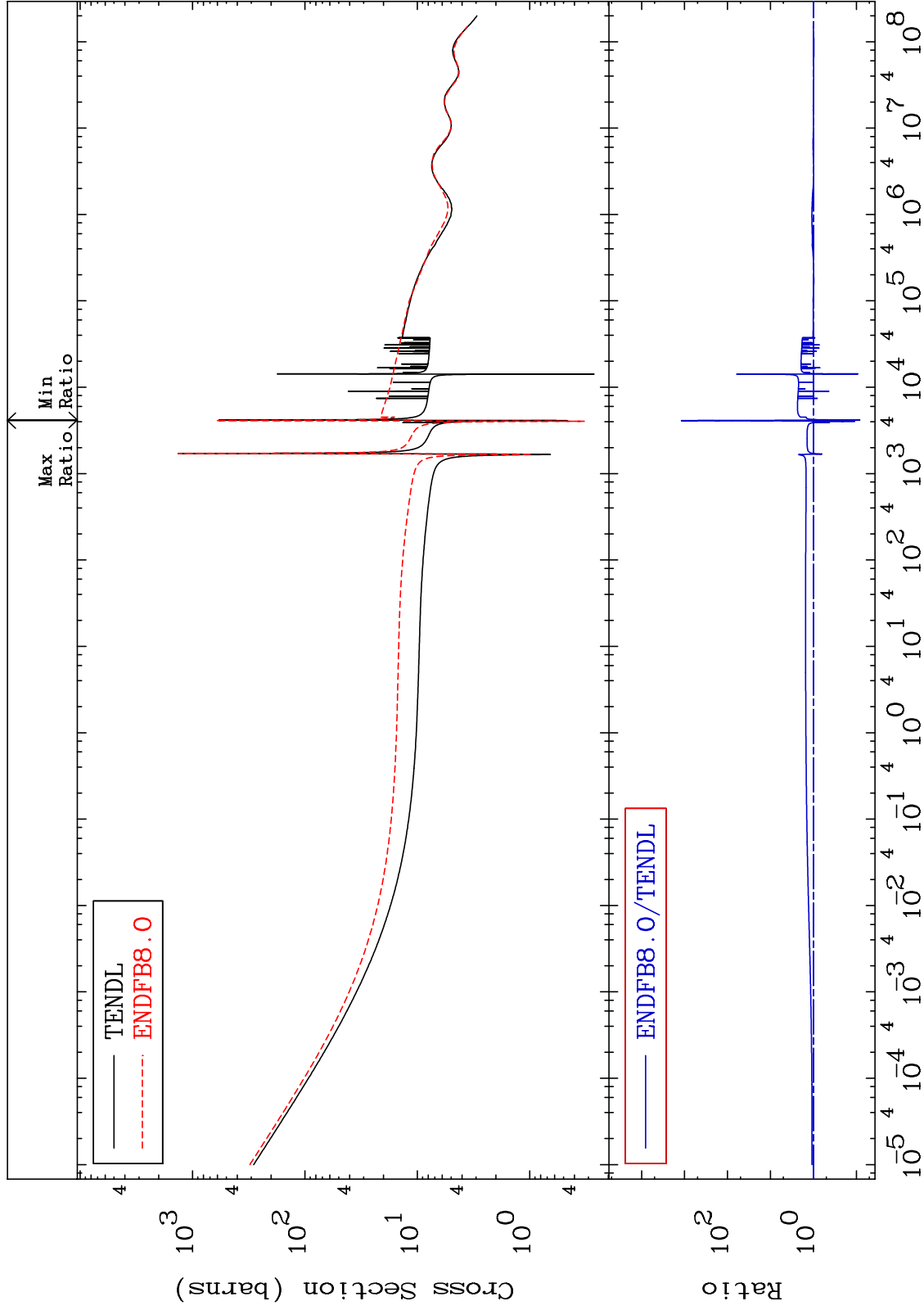
MAT 8043

Total

80-Hg-202

-91.63 To 9999. %

Cross Section



1

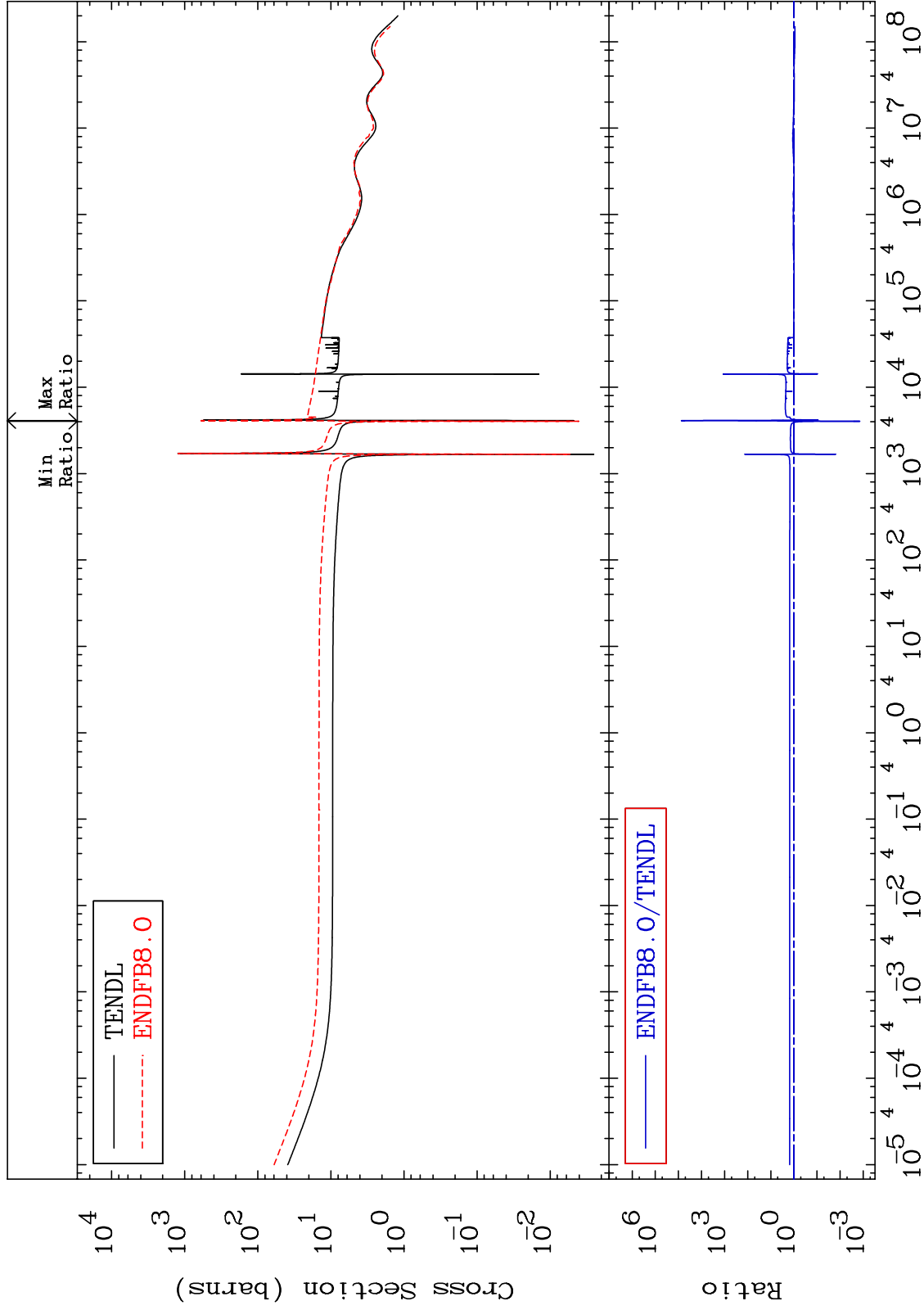
Incident Energy (eV)

80-Hg-202

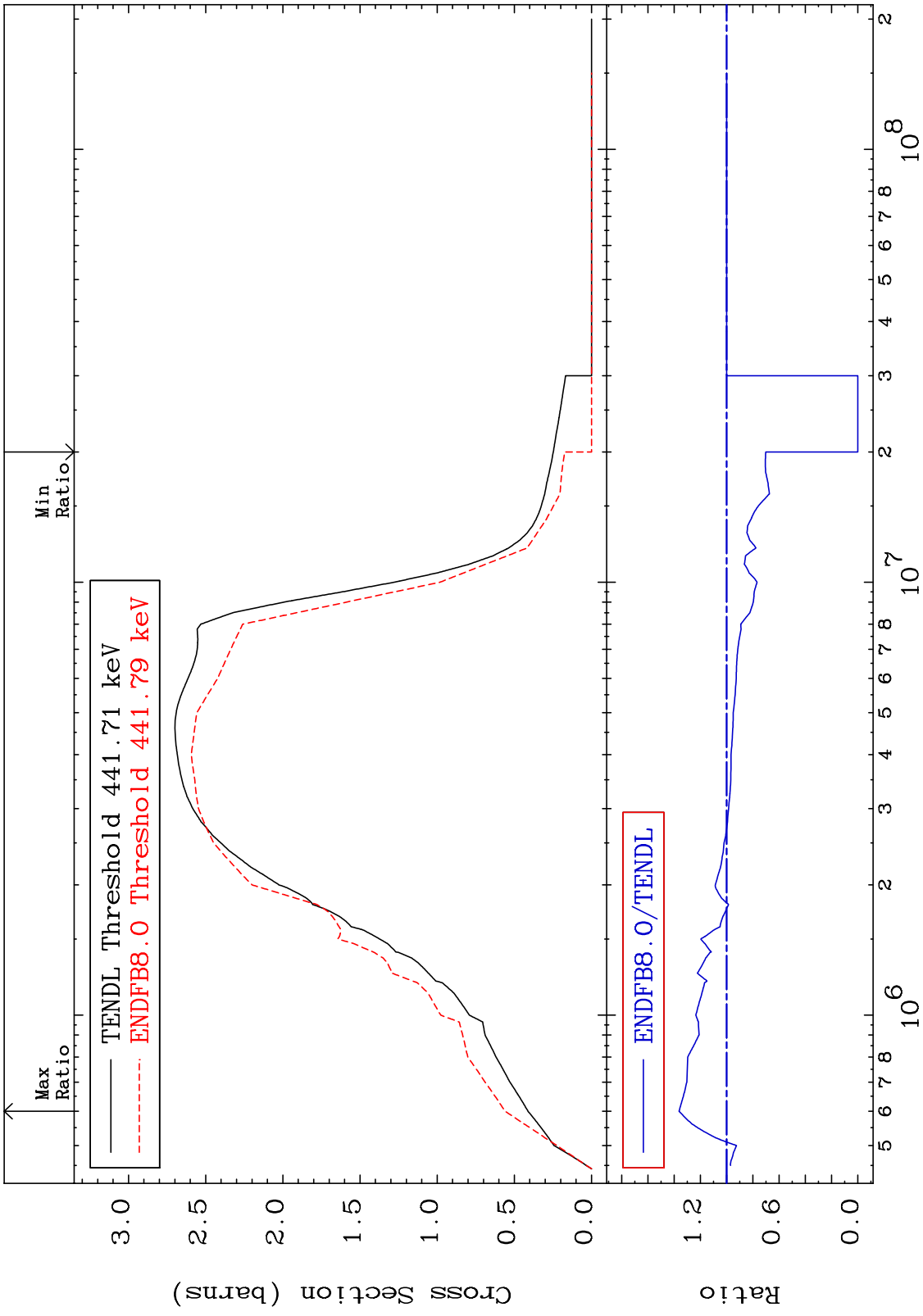
MAT 8043

Elastic
Cross Section

80-Hg-202
-99.86 To 9999. %

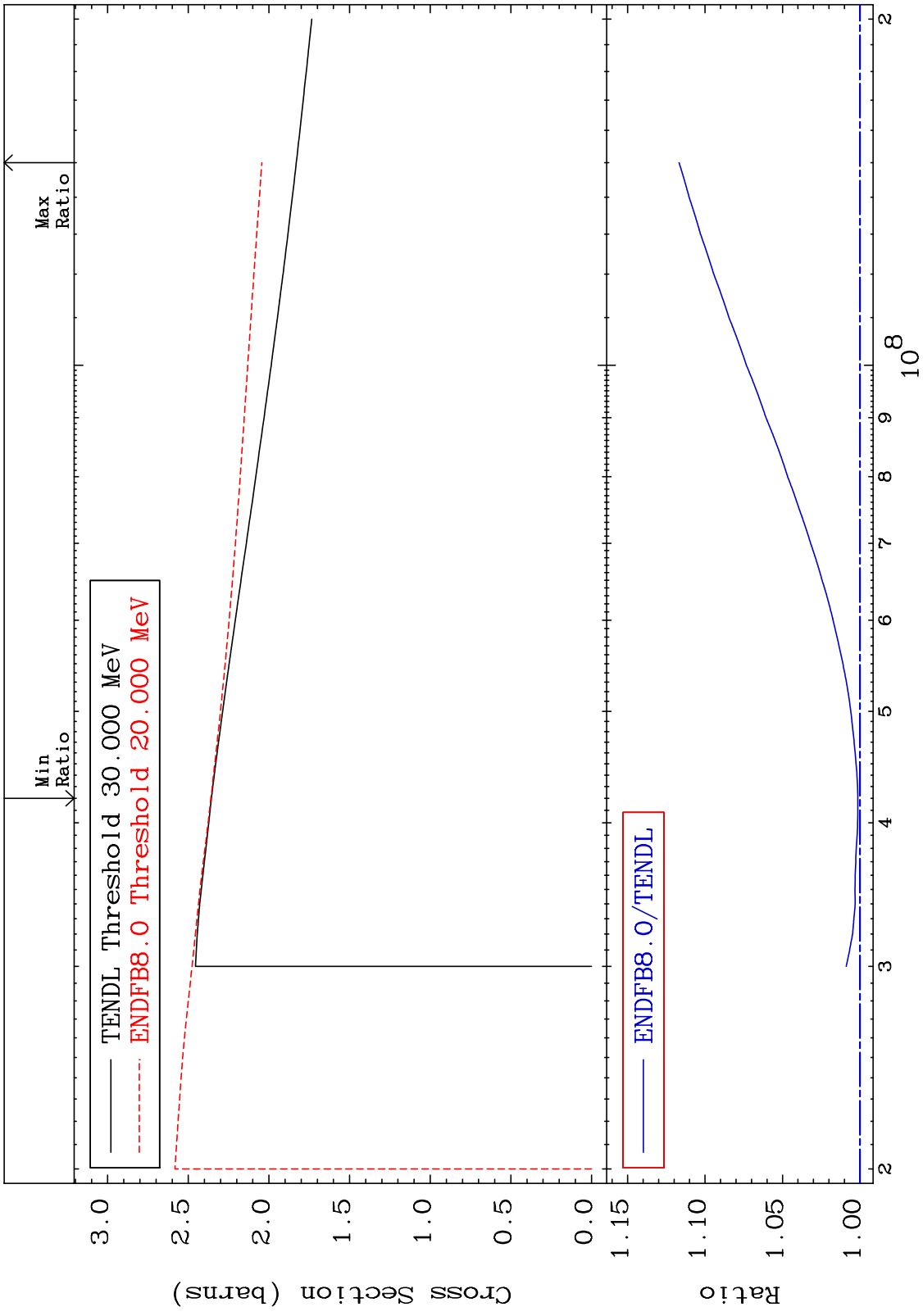


MAT 8043 Inelastic Cross Section 80-Hg-202 -100.0 To 36.26 %

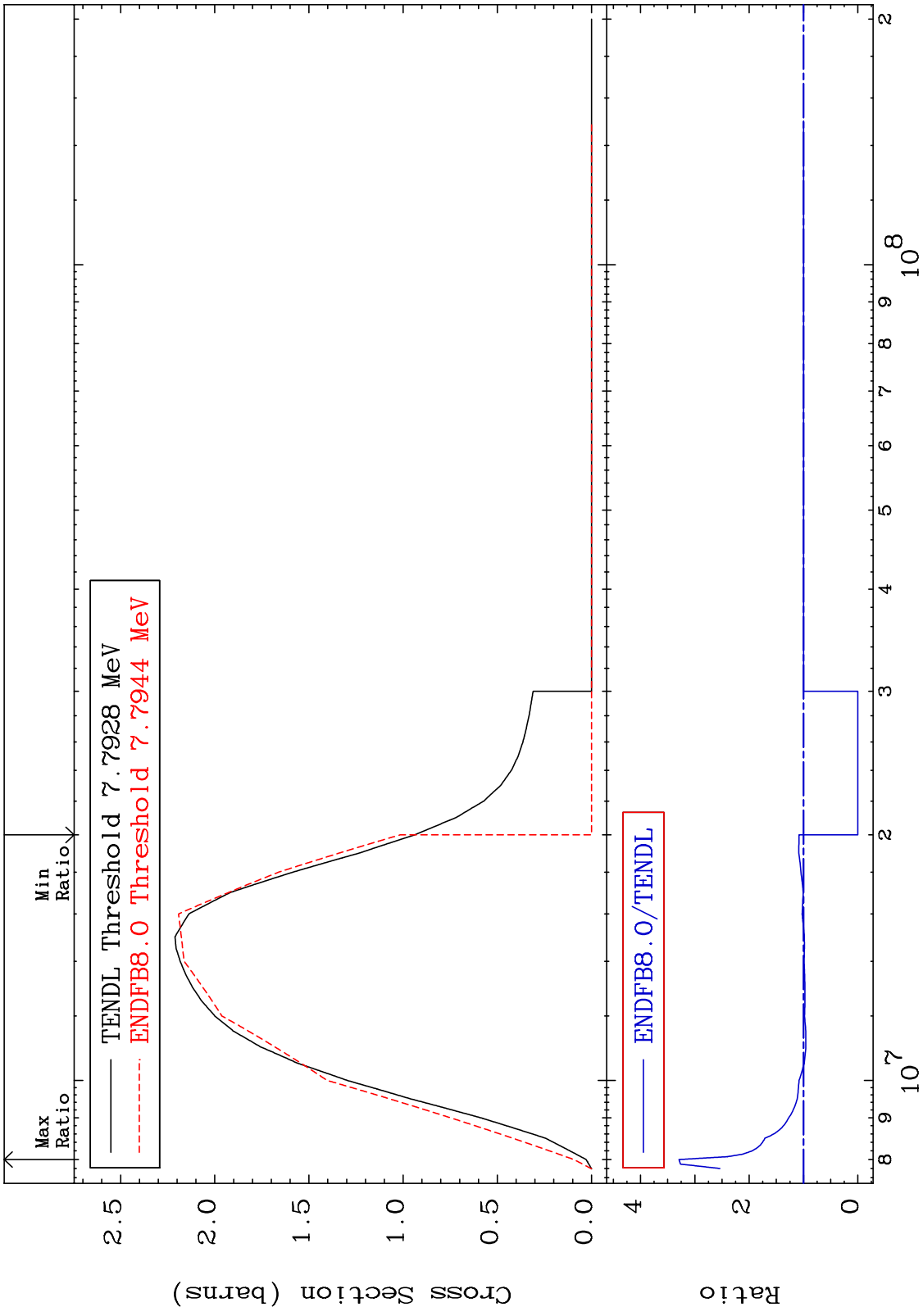


3 Incident Energy (eV) 80-Hg-202

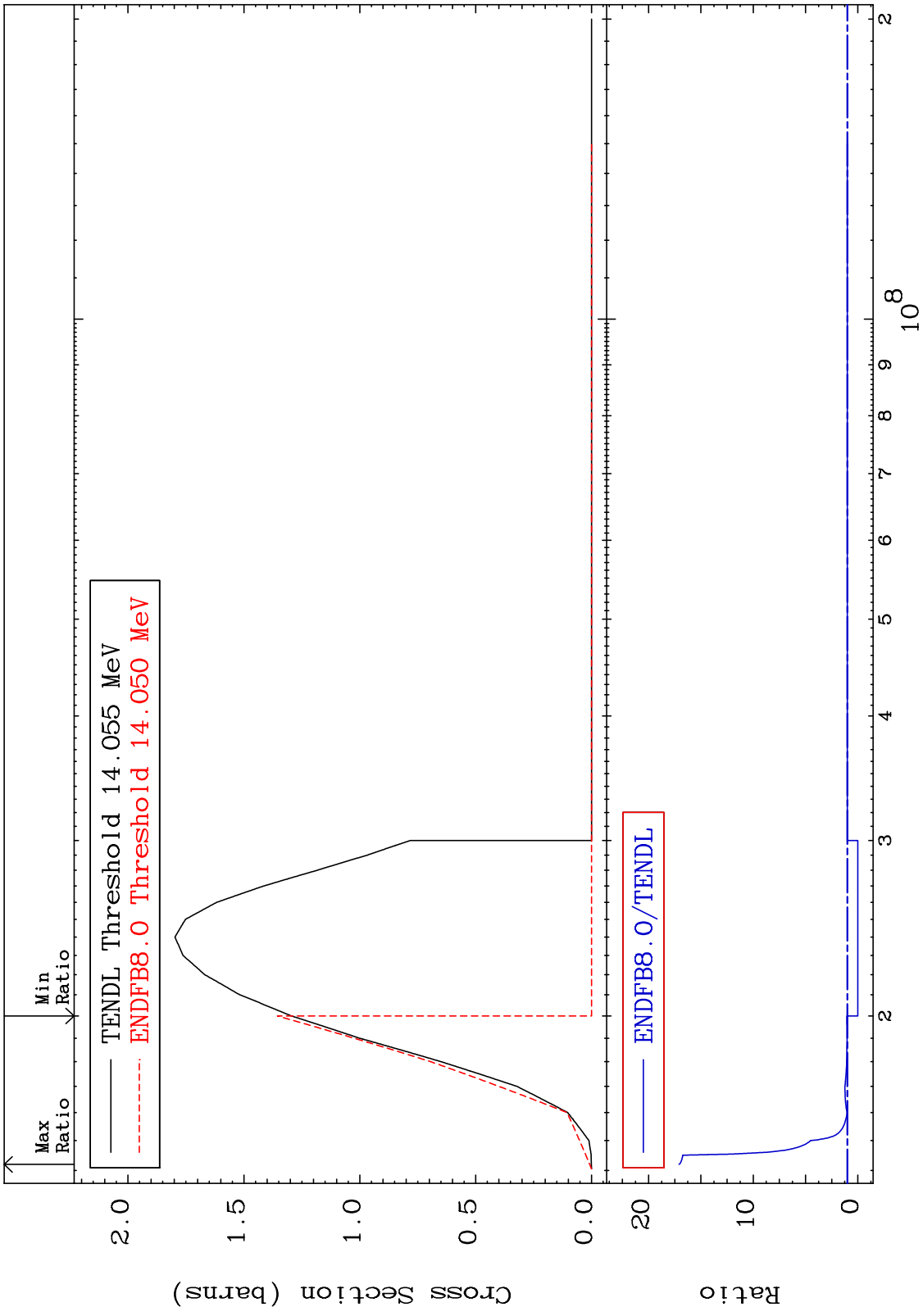
MAT 8043 (n, remainder) Cross Section 80-Hg-202 To 11.68 %



MAT 8043 80-Hg-202
-100.0 To 229.1 %
 (n,2n)
 Cross Section



5 80-Hg-202

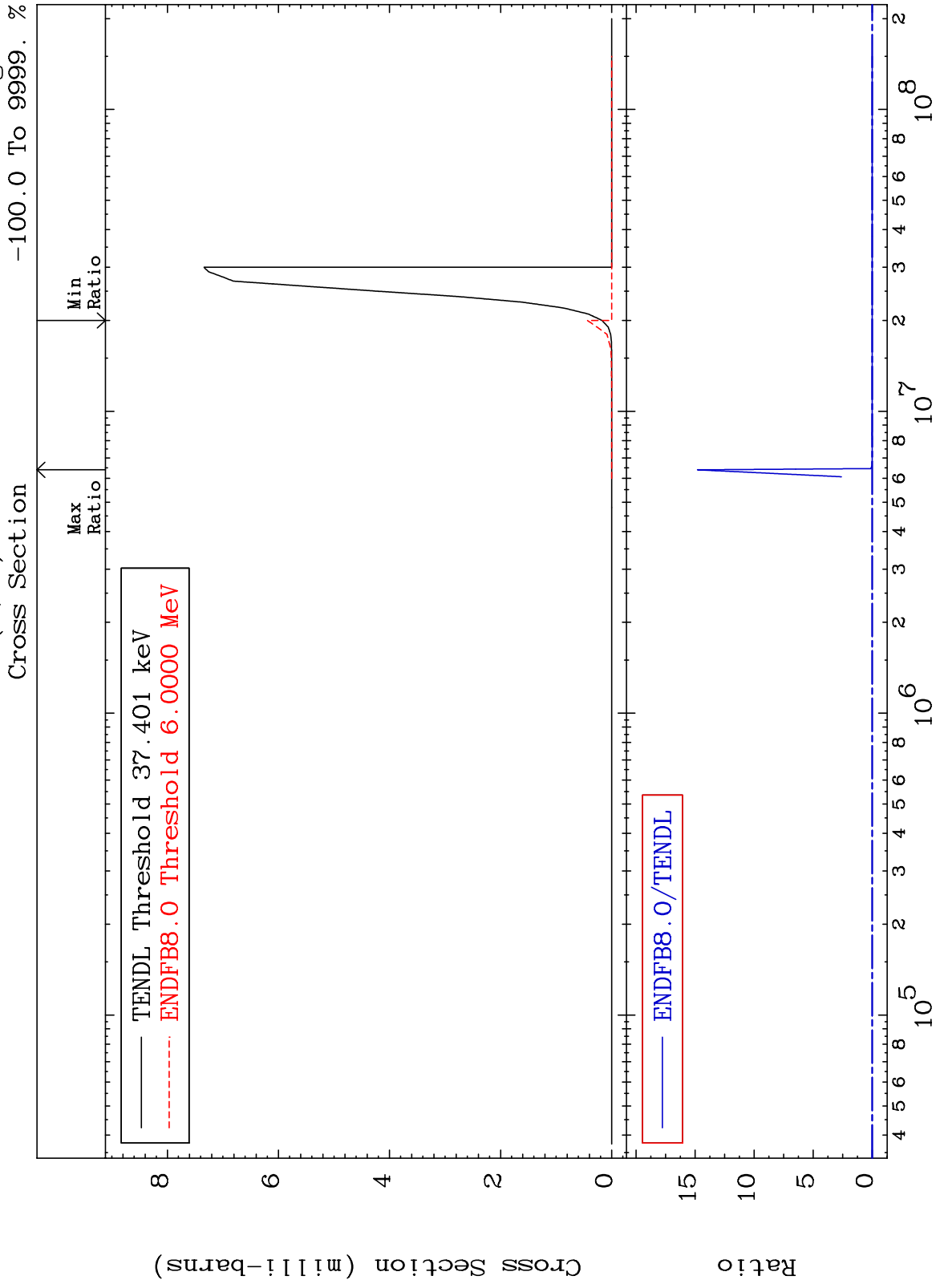


MAT 8043

(n, n') α

80-Hg-202

-100.0 To 9999. %

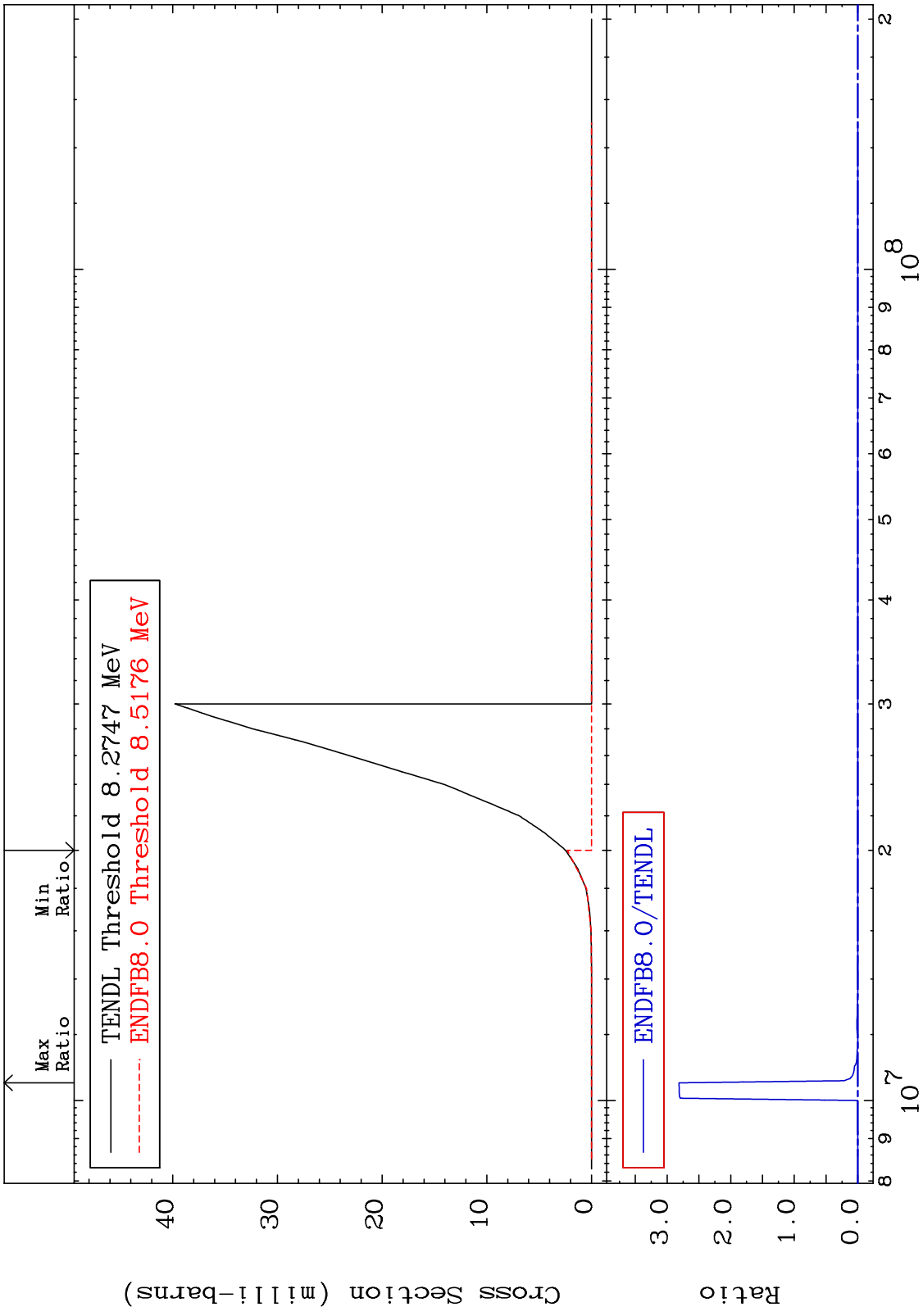


7

Incident Energy (eV)

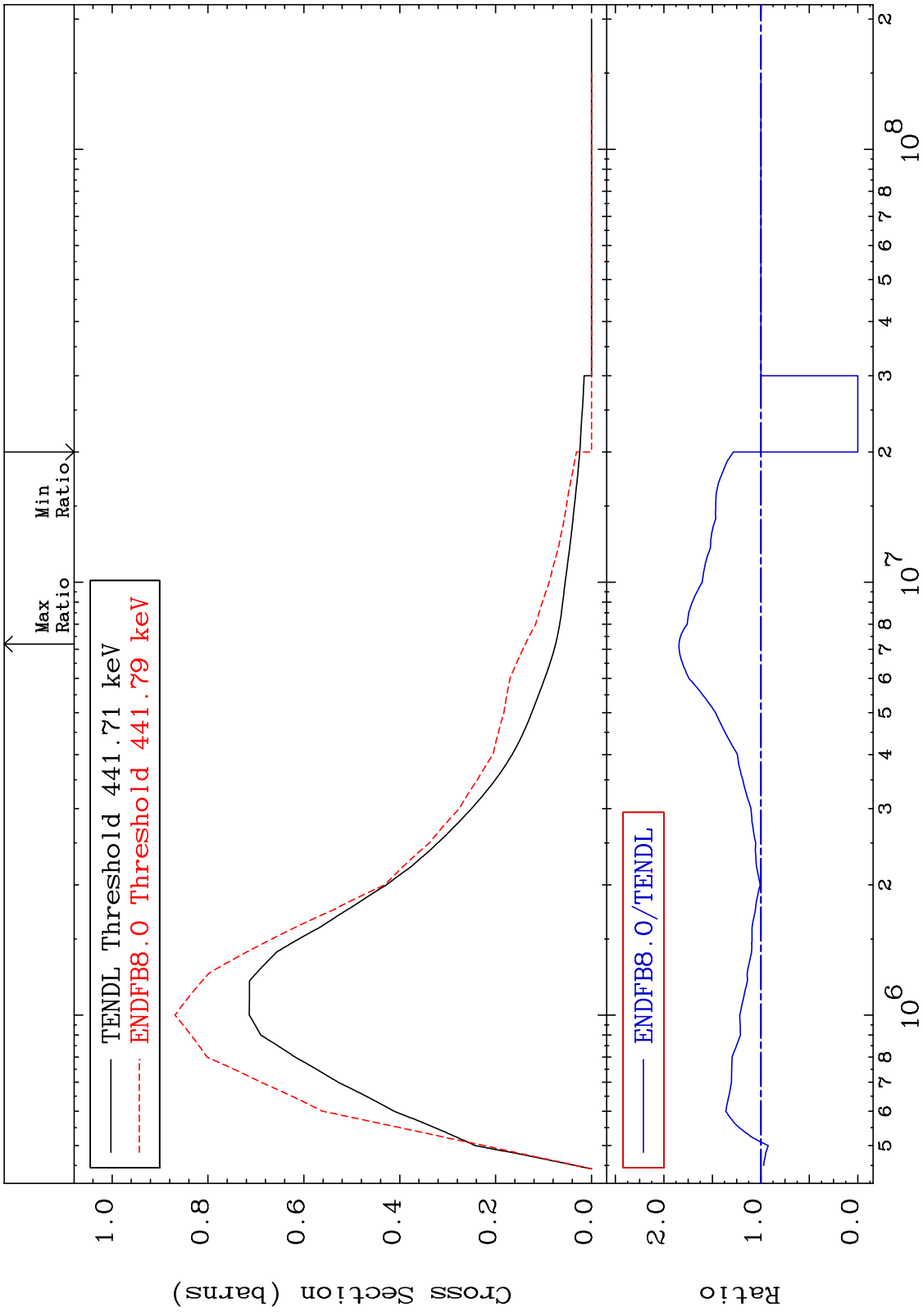
80-Hg-202

MAT 8043 (n,n') p 80-Hg-202
 Cross Section -100.0 To 9999. %

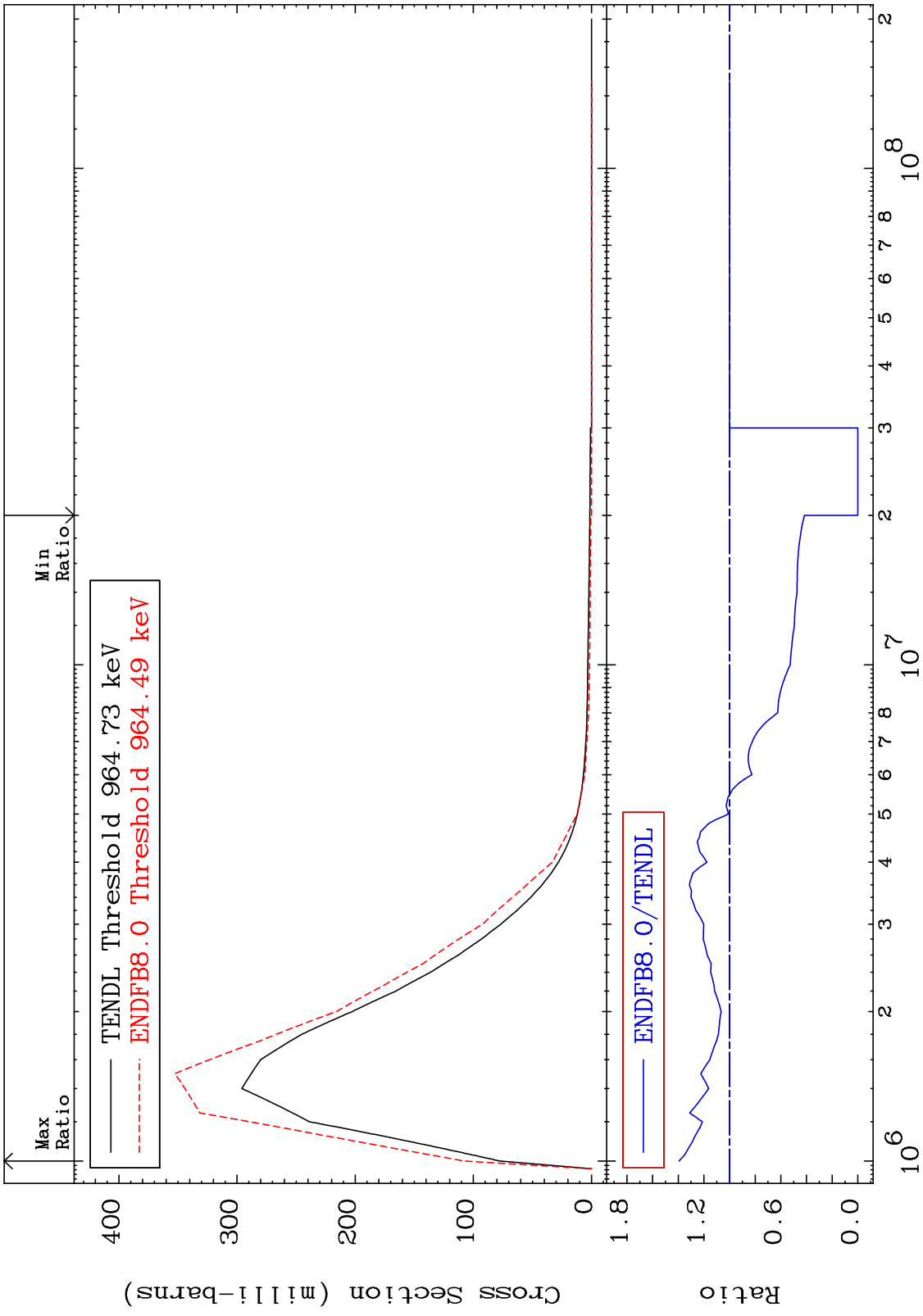


80-Hg-202

MAT 8043 MT= 51 (n,n') Level Cross Section -100.0 To 84.36 % 80-Hg-202

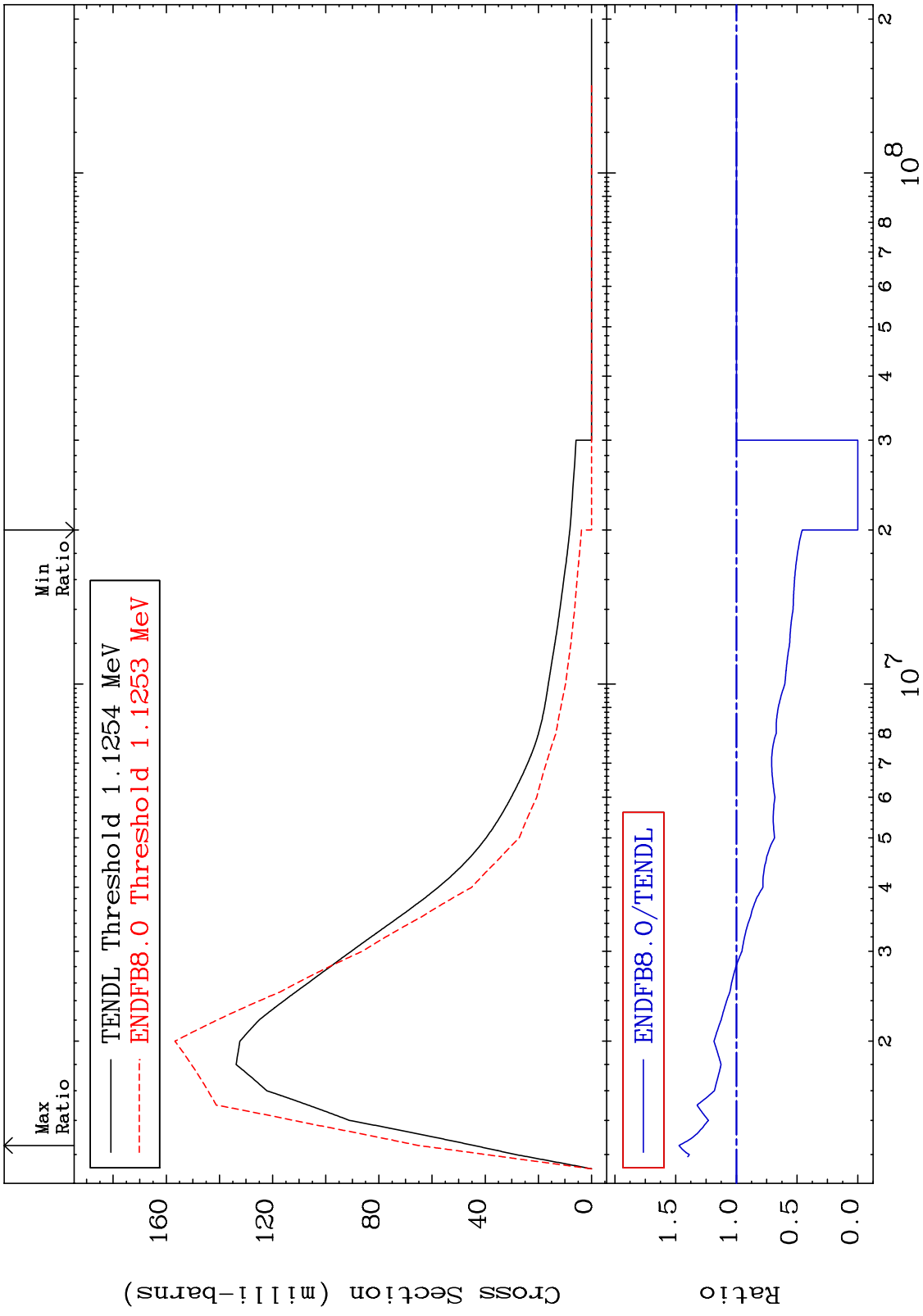


MAT 8043 MT= 52 (n,n') Level Cross Section 80-Hg-202
-100.0 To 39.37 %

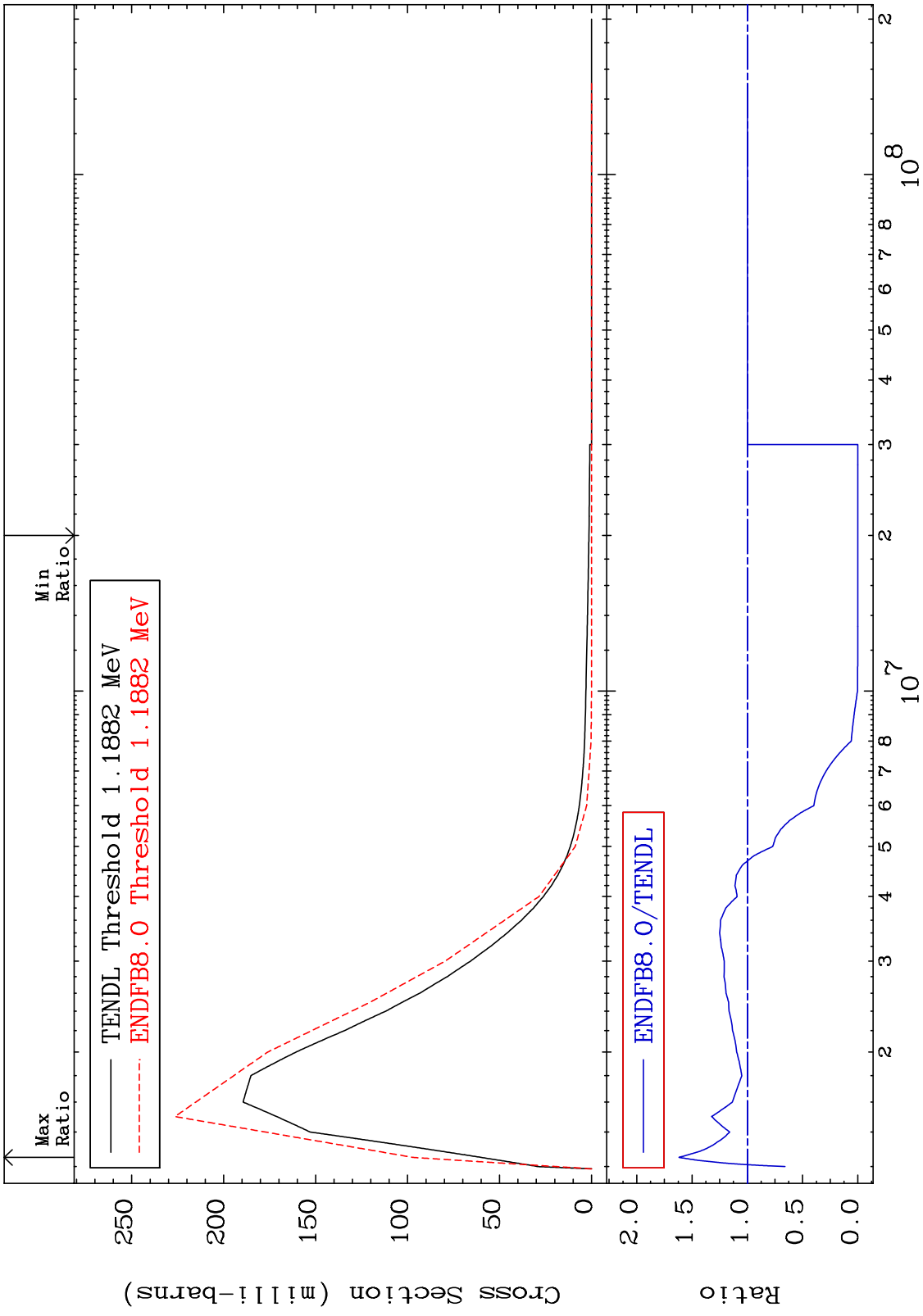


Incident Energy (eV) 80-Hg-202

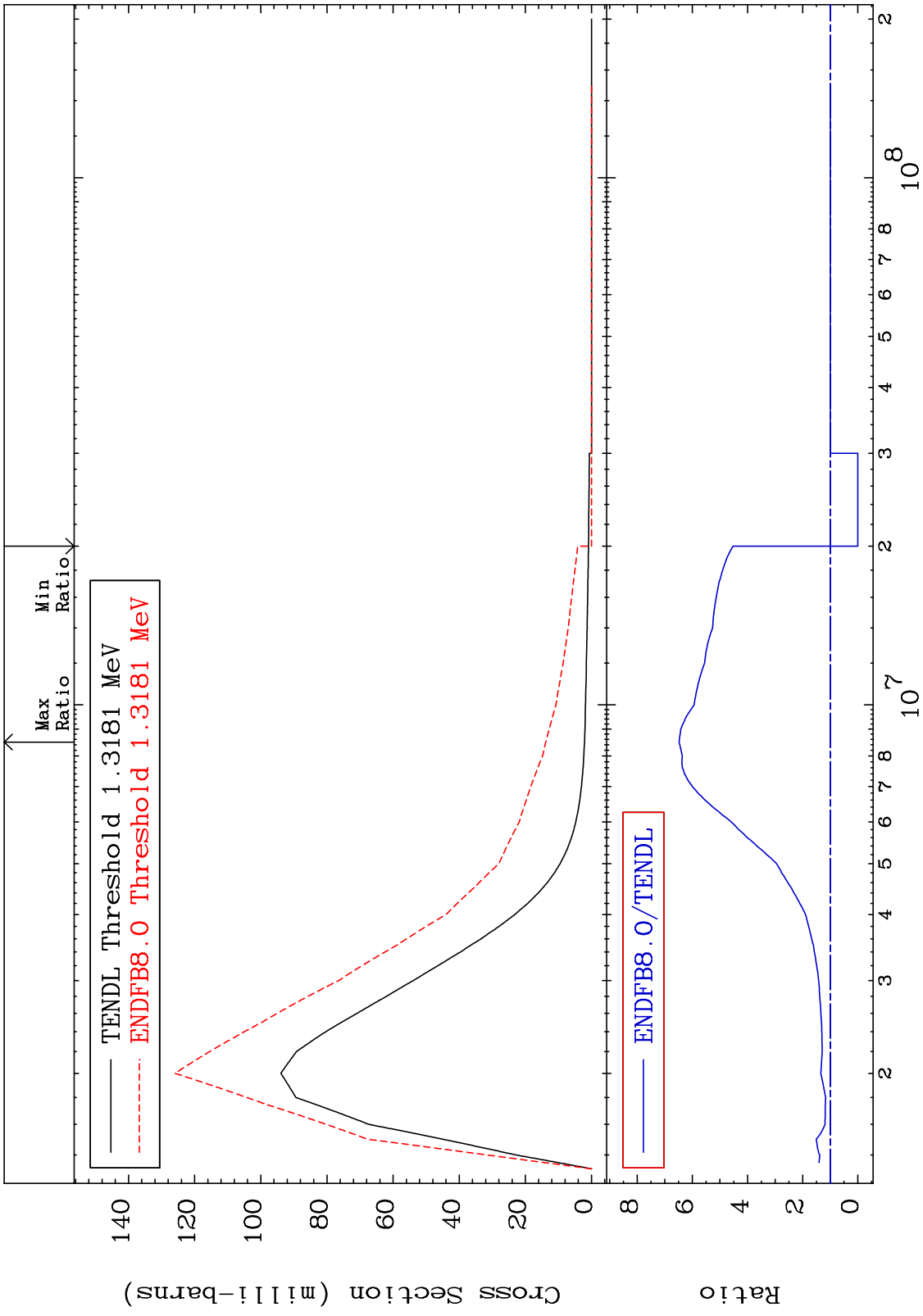
MAT 8043 MT= 53 (n,n') Level Cross Section -100.0 To 47.20 % 80-Hg-202



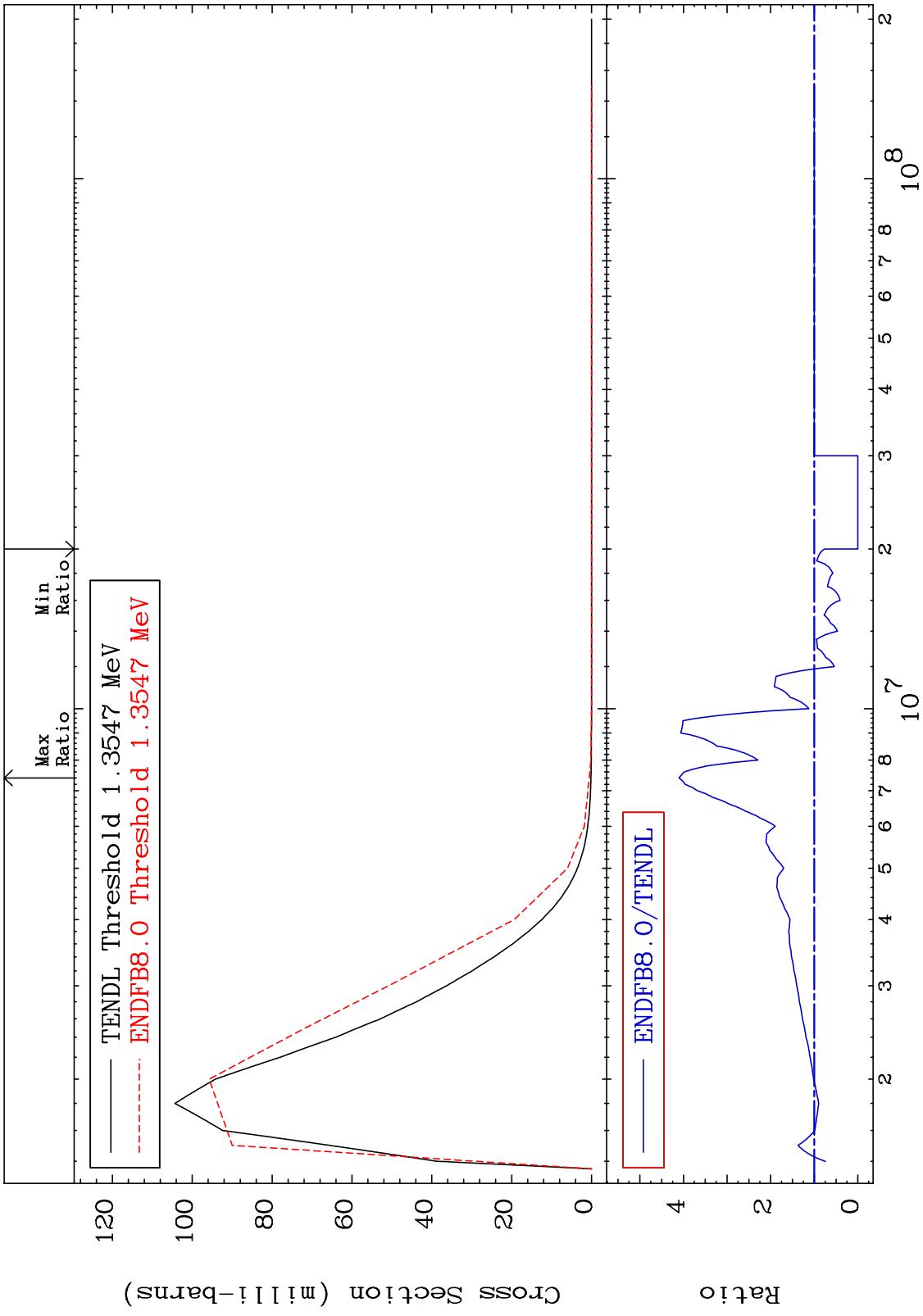
MAT 8043 MT= 54 (n,n') Level Cross Section -100.0 To 61.75 % 80-Hg-202



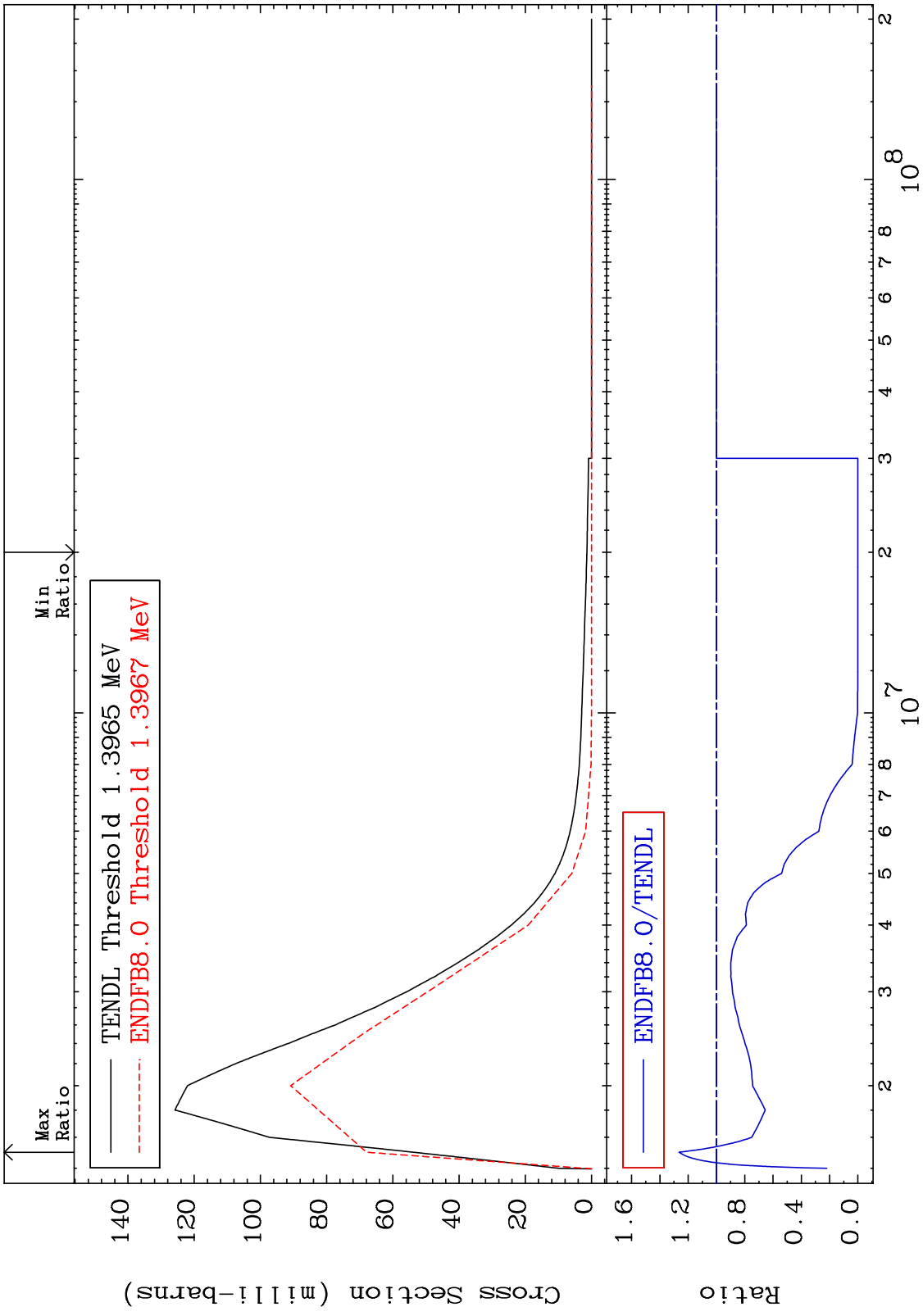
MAT 8043 MT= 55 (n,n') Level Cross Section -100.0 To 548.3 % 80-Hg-202



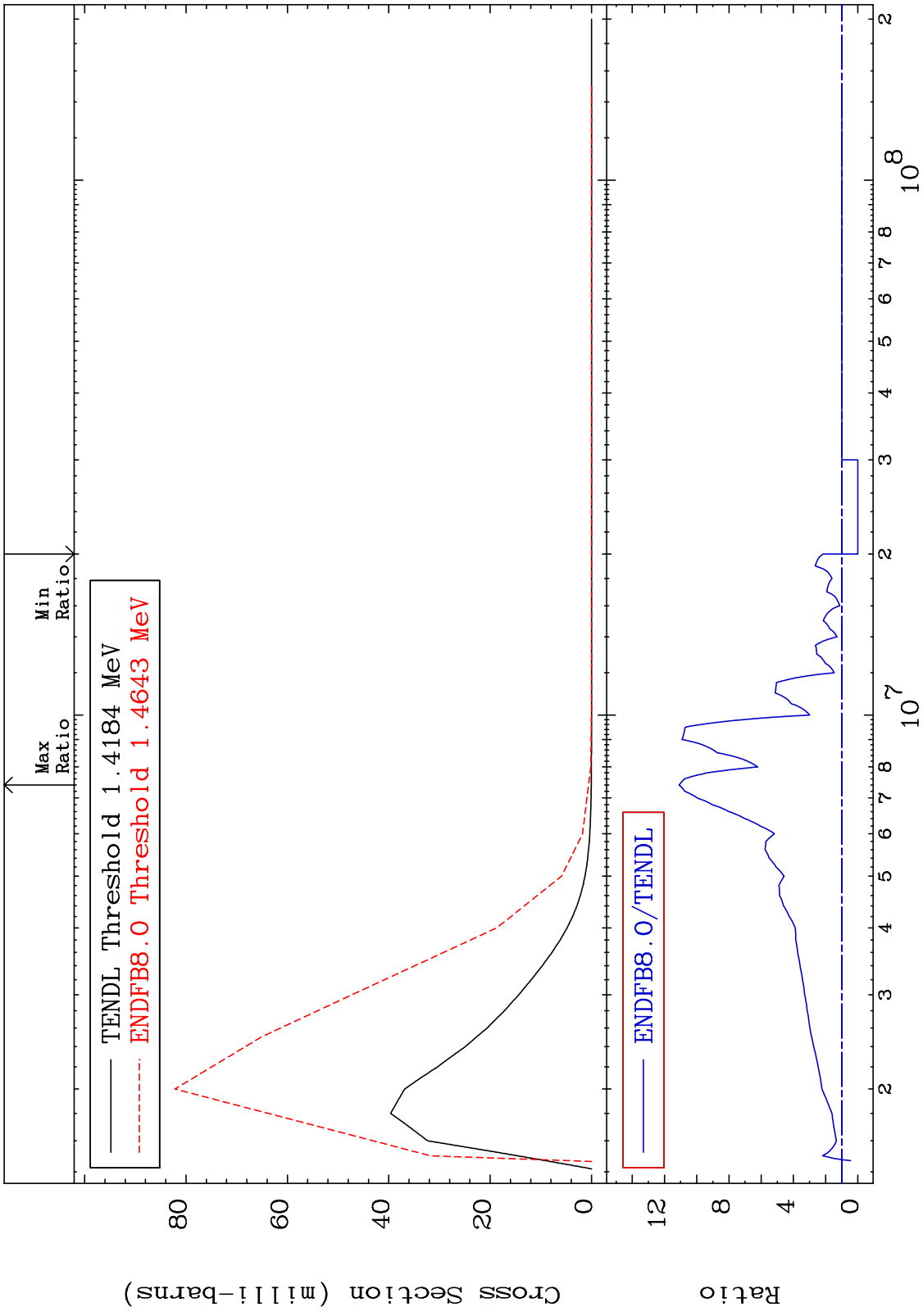
MAT 8043 MT= 56 (n,n') Level Cross Section -100.0 To 310.1 % 80-Hg-202



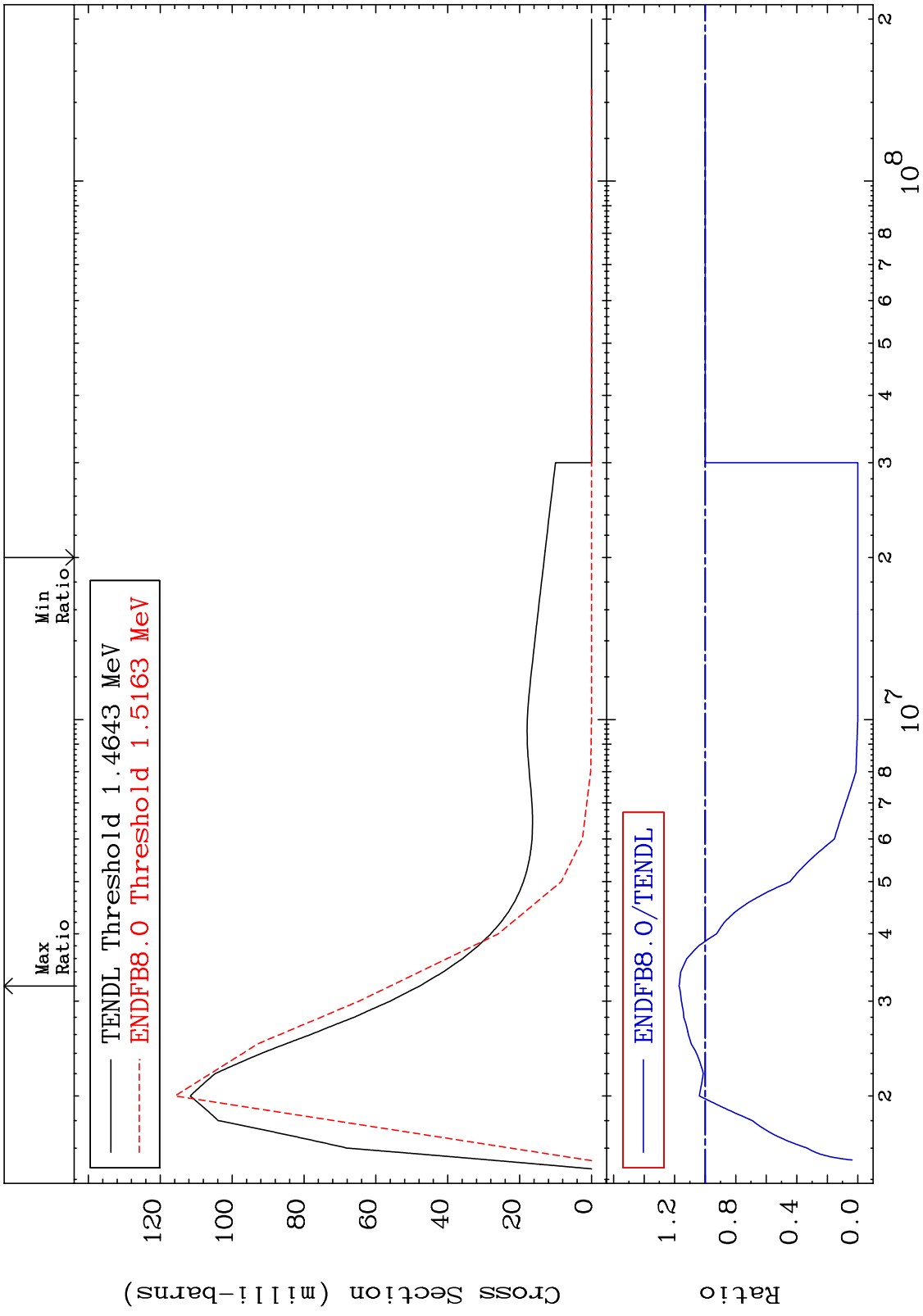
MAT 8043 MT= 57 (n,n') Level Cross Section -100.0 To 26.47 % 80-Hg-202



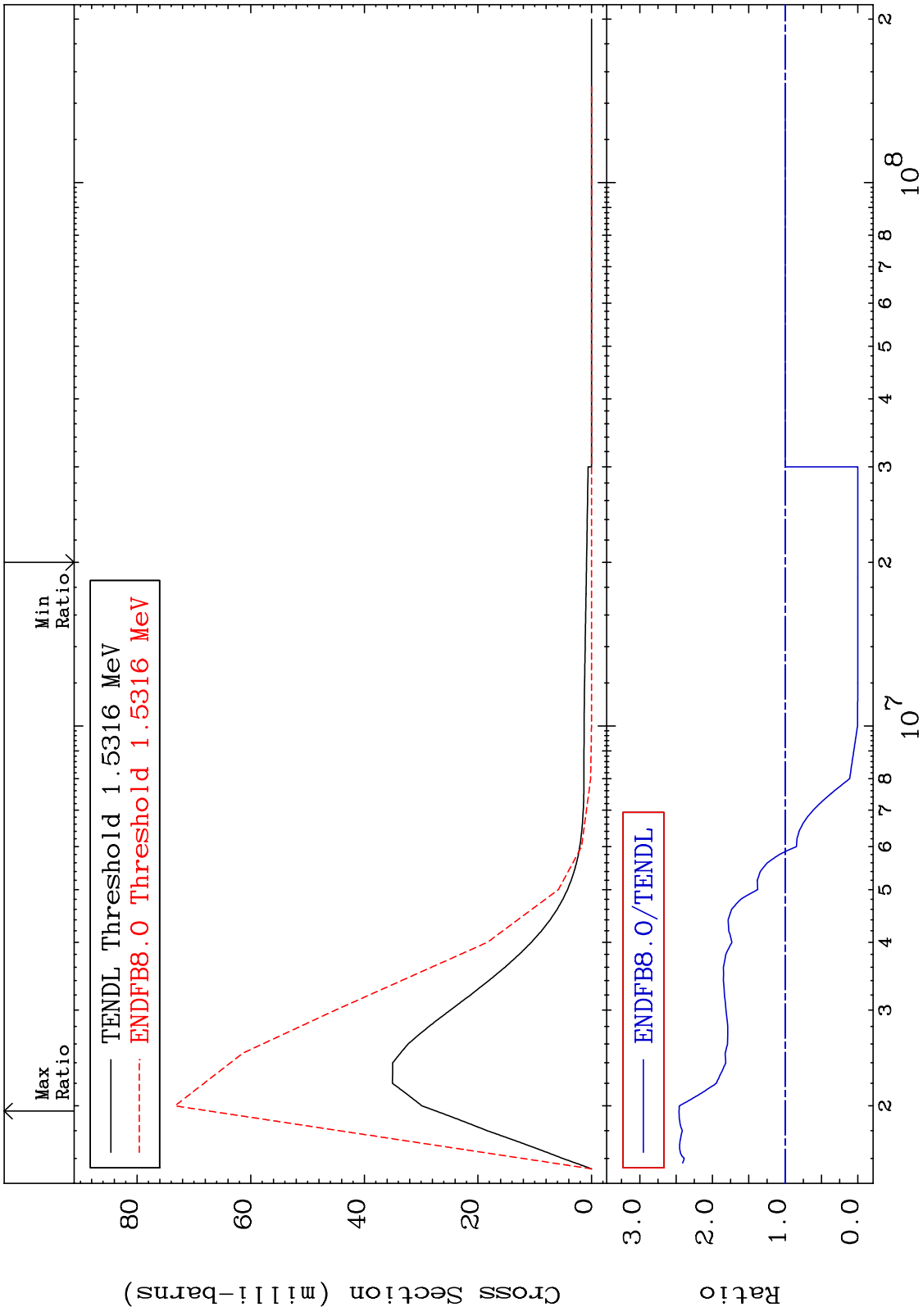
MAT 8043 MT= 58 (n,n') Level Cross Section -100.0 To 1010. % 80-Hg-202



MAT 8043 MT= 59 (n,n') Level Cross Section 80-Hg-202 -100.0 To 17.12 %



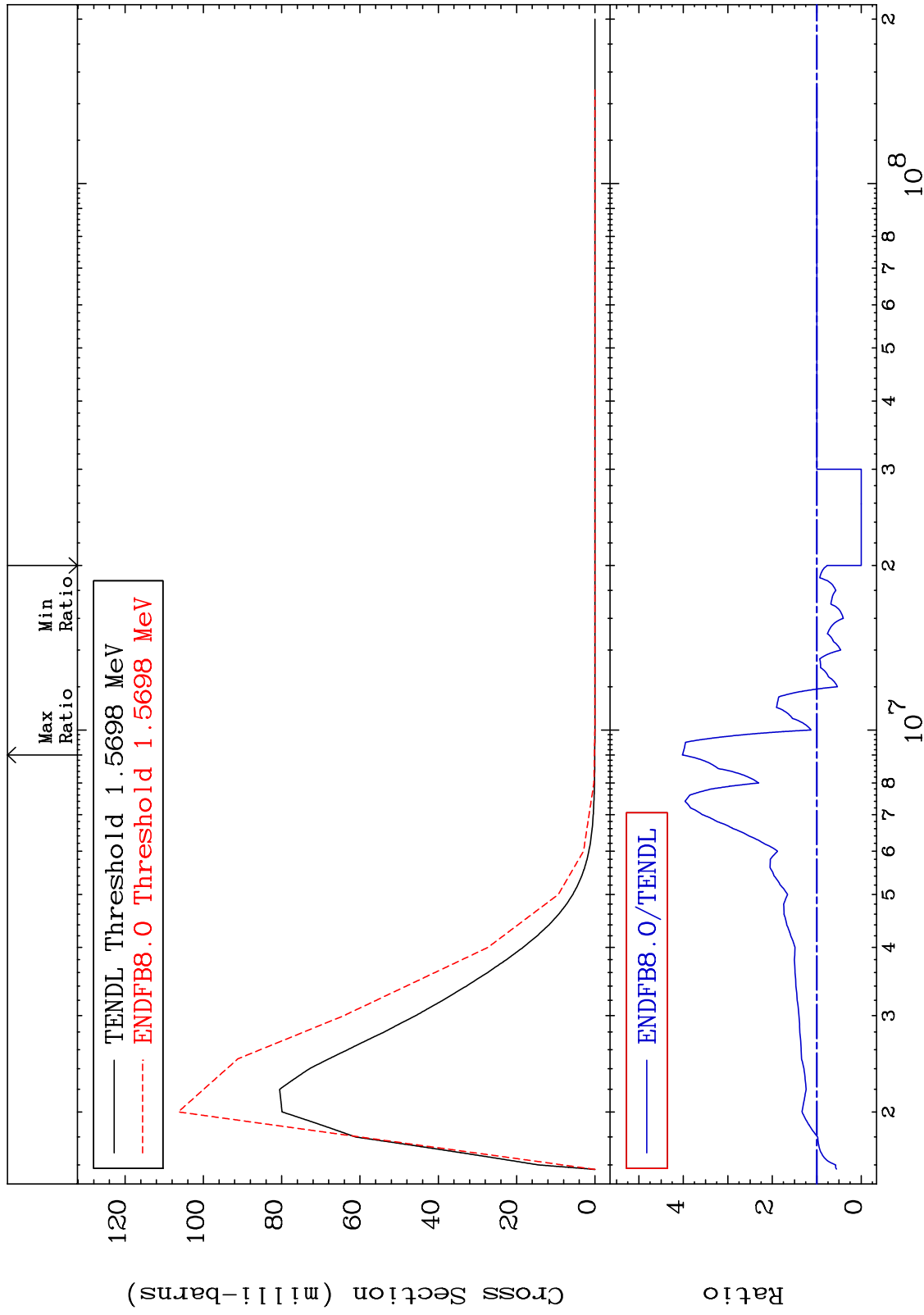
MAT 8043 MT= 60 (n,n') Level Cross Section -100.0 To 145.9 % 80-Hg-202



MAT 8043

MT= 61 (n,n') Level
Cross Section

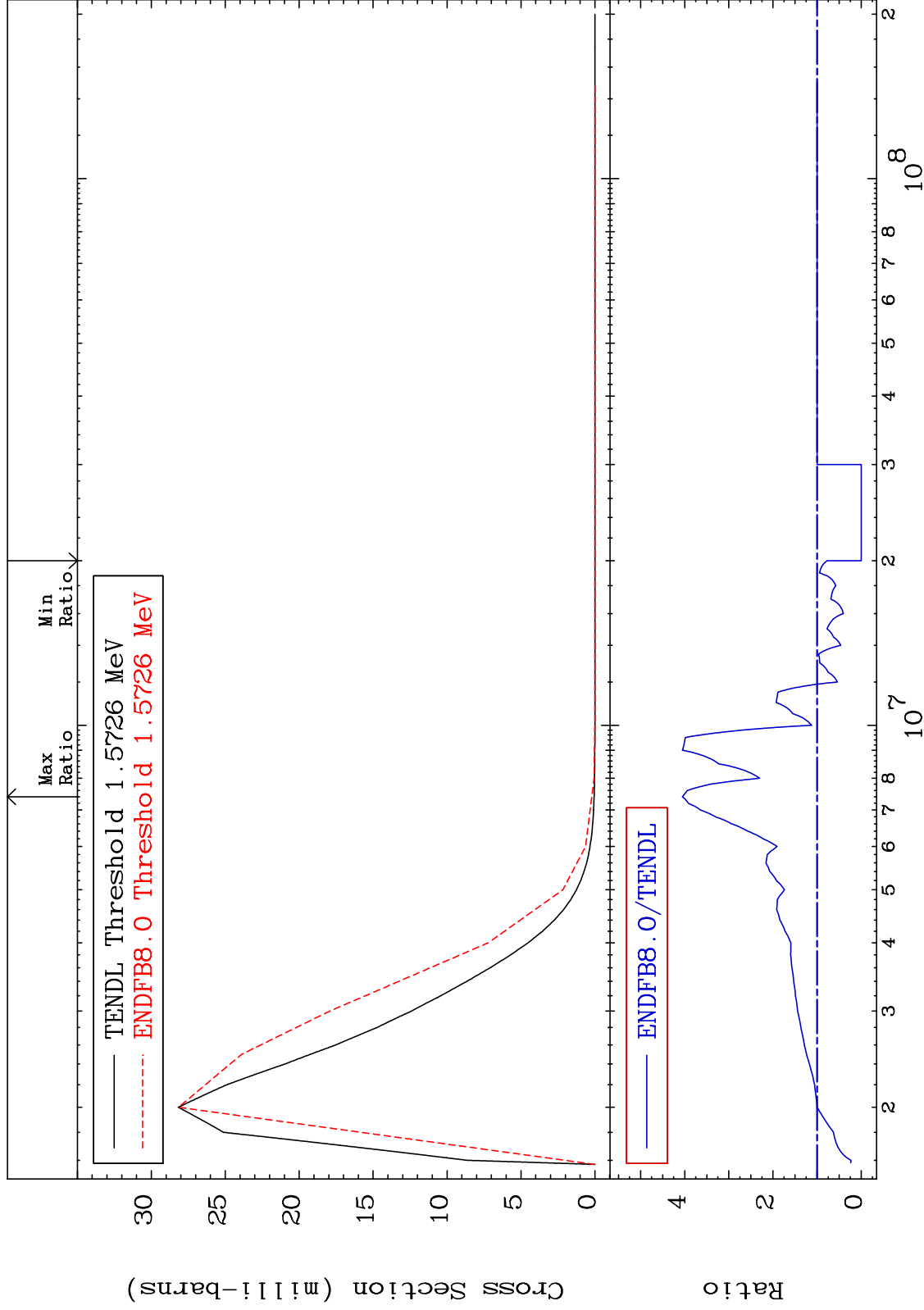
80-Hg-202
-100.0 To 302.0 %



MAT 8043

MT= 62 (n,n') Level
Cross Section

80-Hg-202
-100.0 To 305.1 %

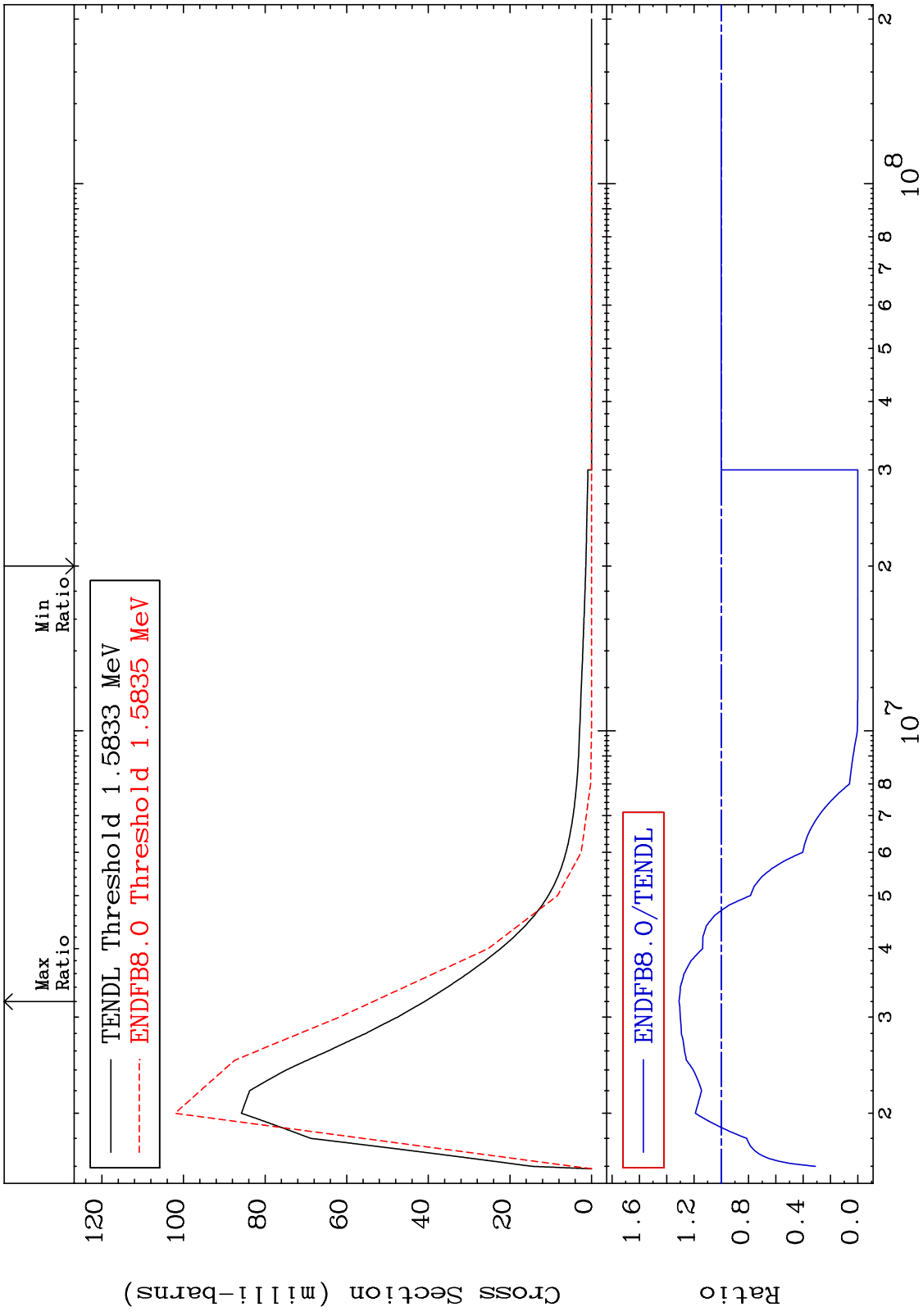


20

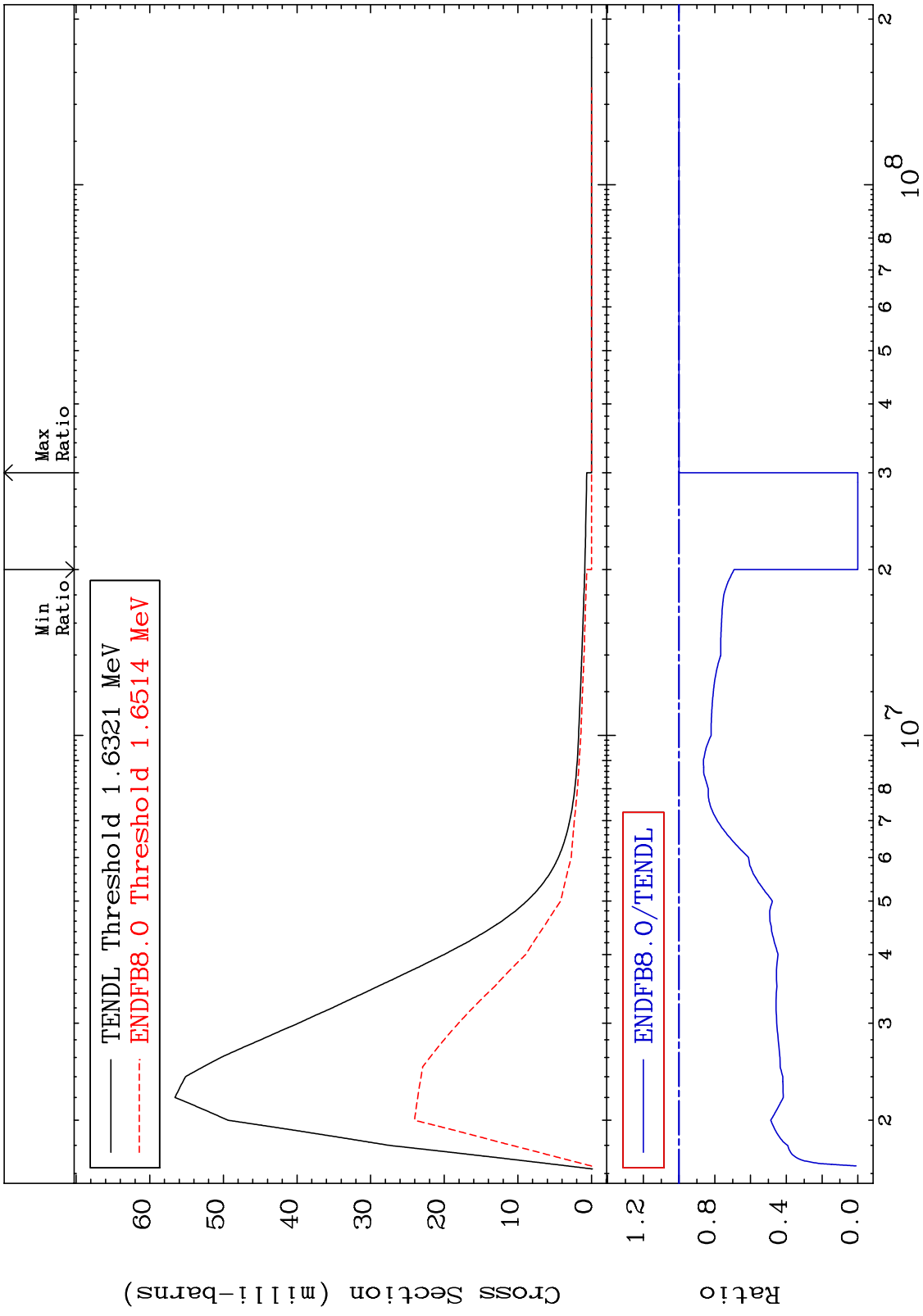
Incident Energy (eV)

80-Hg-202

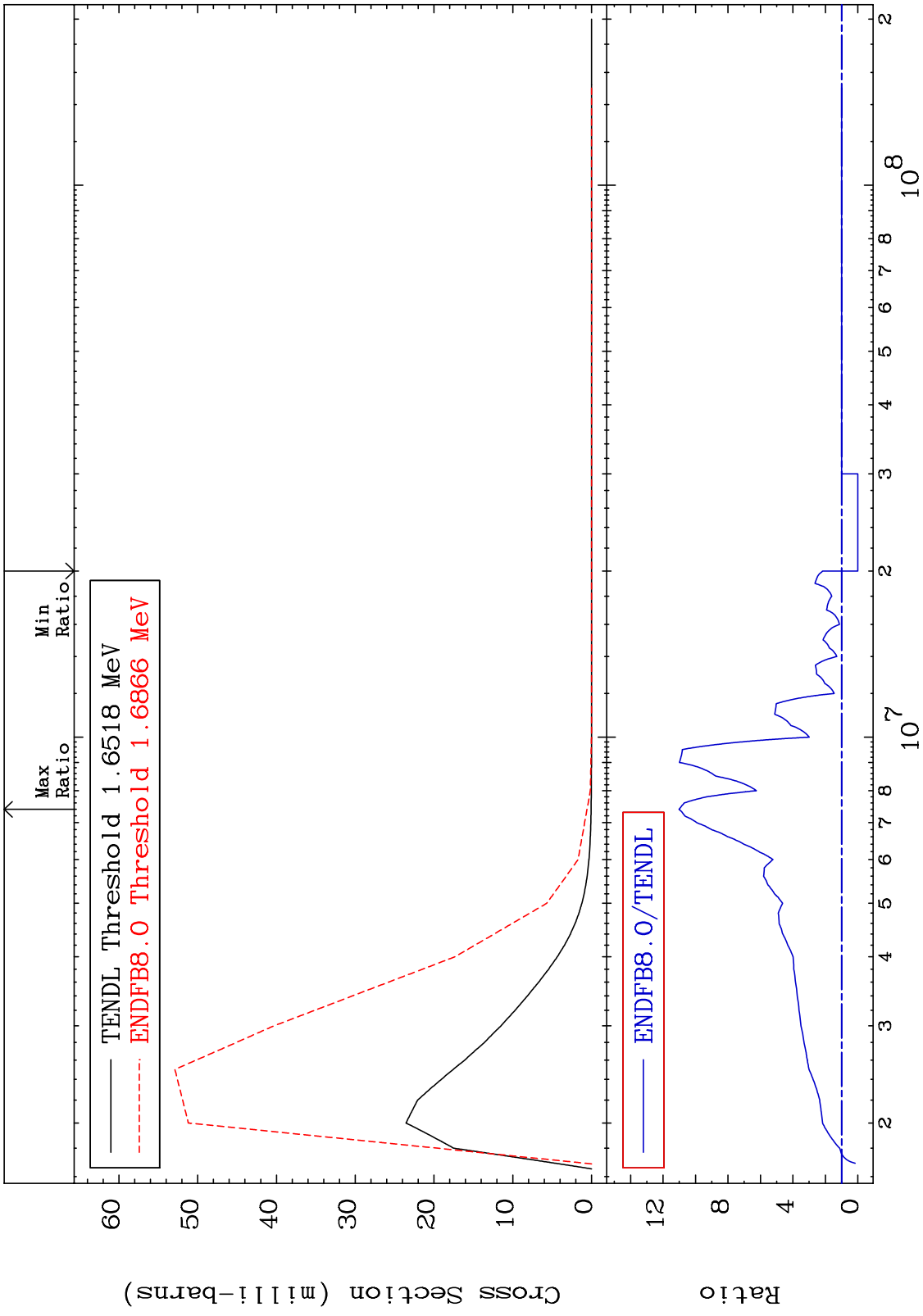
MAT 8043 MT= 63 (n,n') Level Cross Section -100.0 To 30.92 % 80-Hg-202



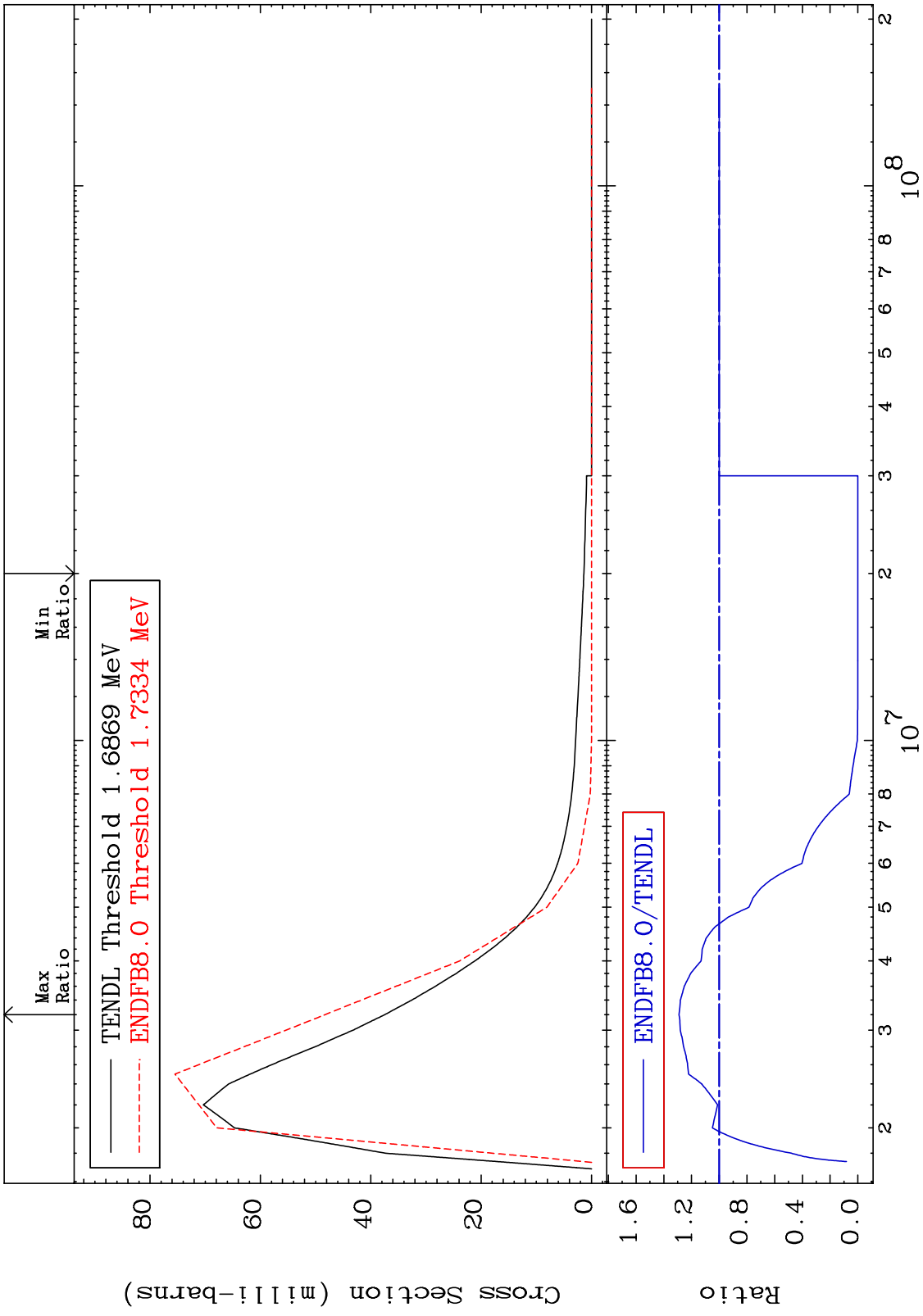
MAT 8043 MT= 64 (n,n') Level Cross Section 80-Hg-202 -100.0 To 0.000 %



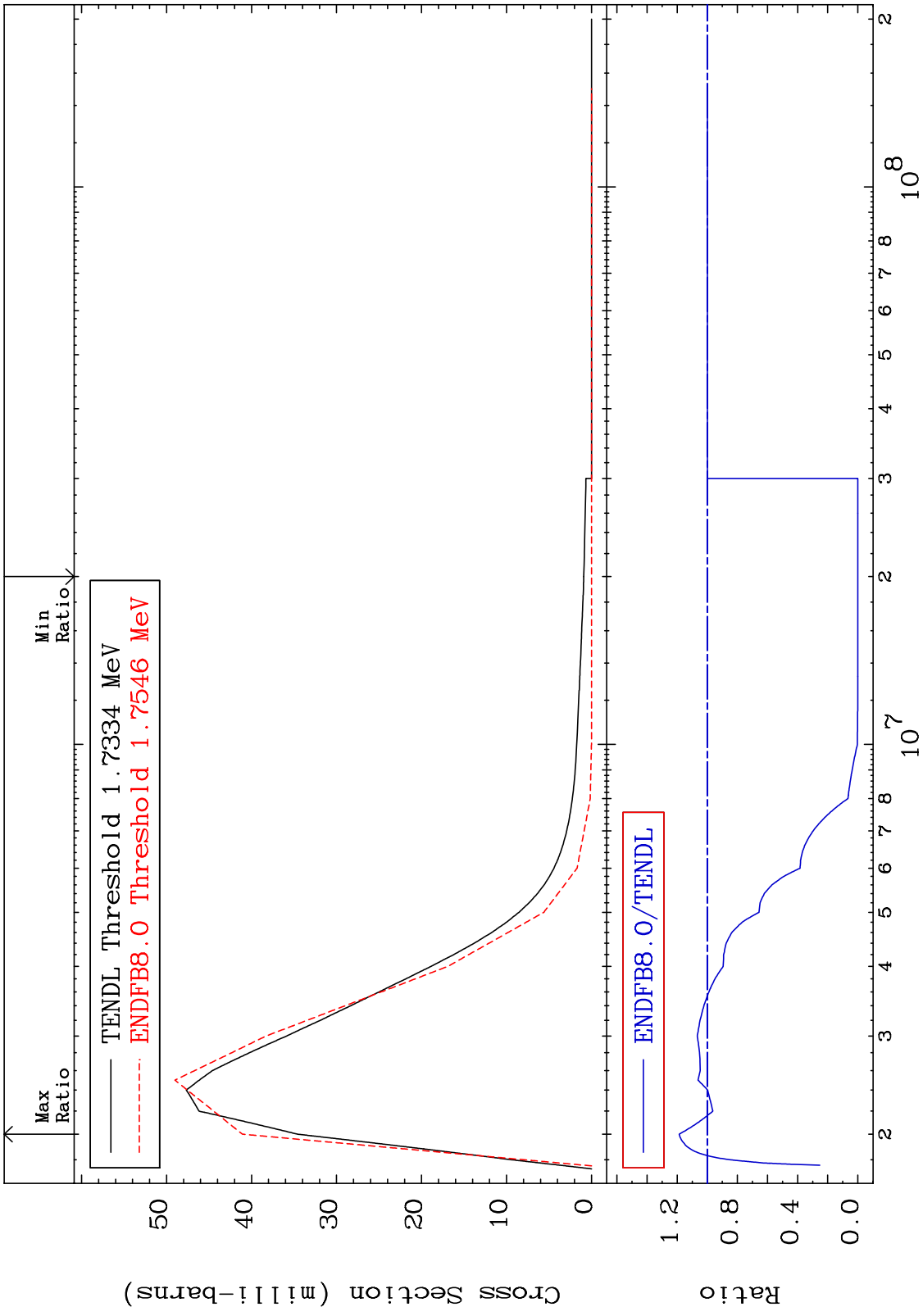
MAT 8043 MT= 65 (n,n') Level Cross Section -100.0 To 1001. % 80-Hg-202



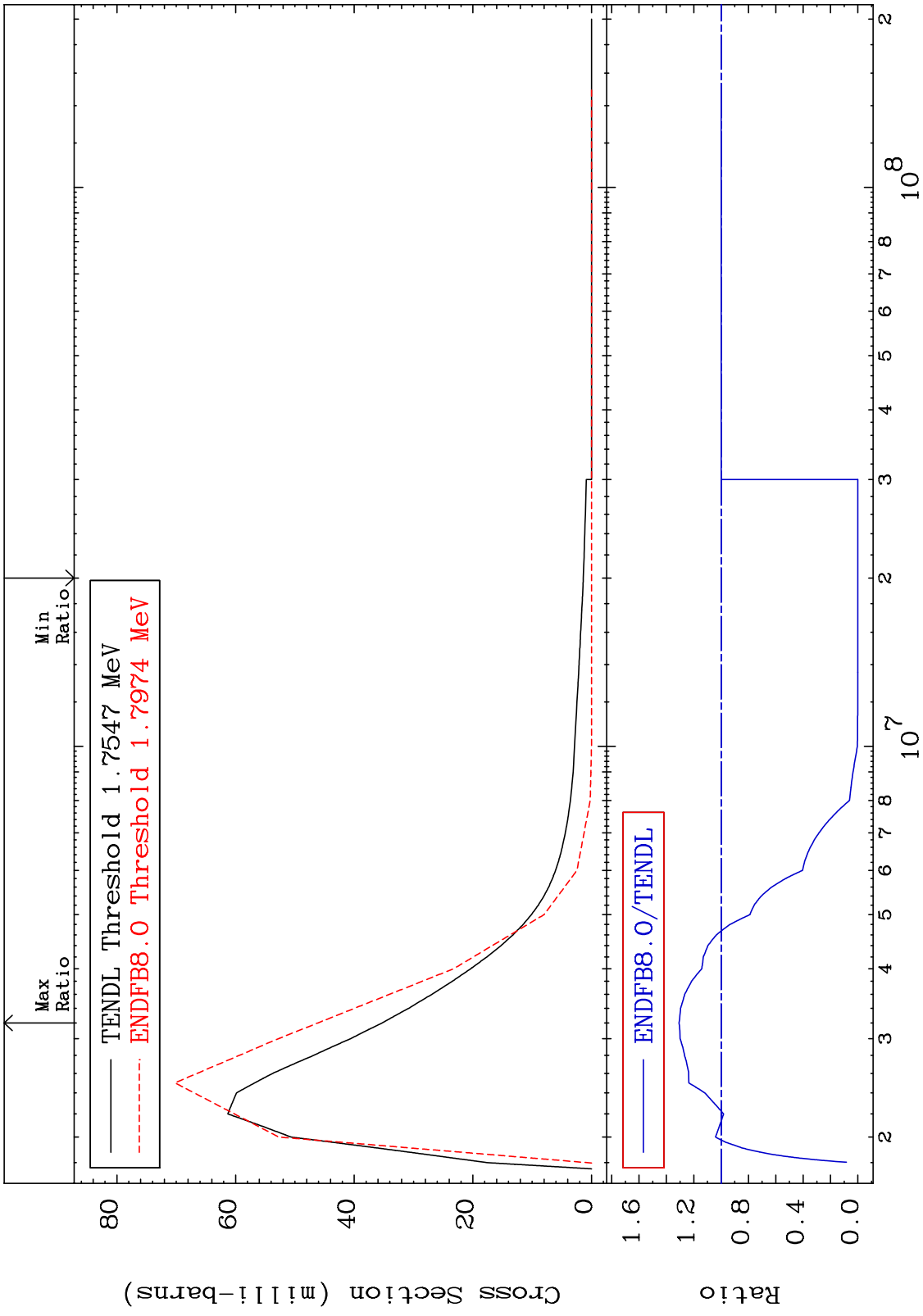
MAT 8043 MT= 66 (n,n') Level Cross Section -100.0 To 29.01 % 80-Hg-202



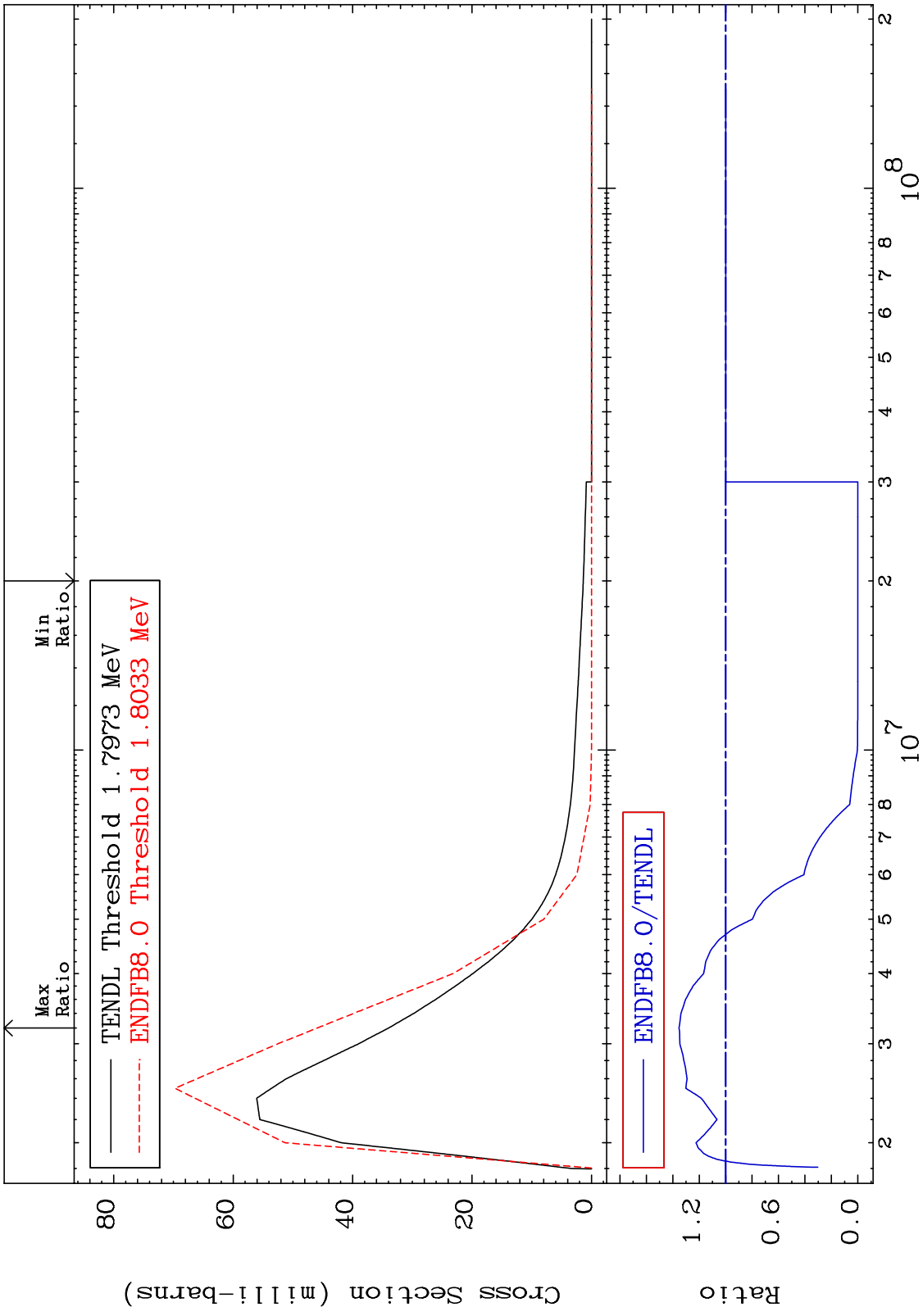
MAT 8043 MT= 67 (n,n') Level Cross Section -100.0 To 18.77 % 80-Hg-202



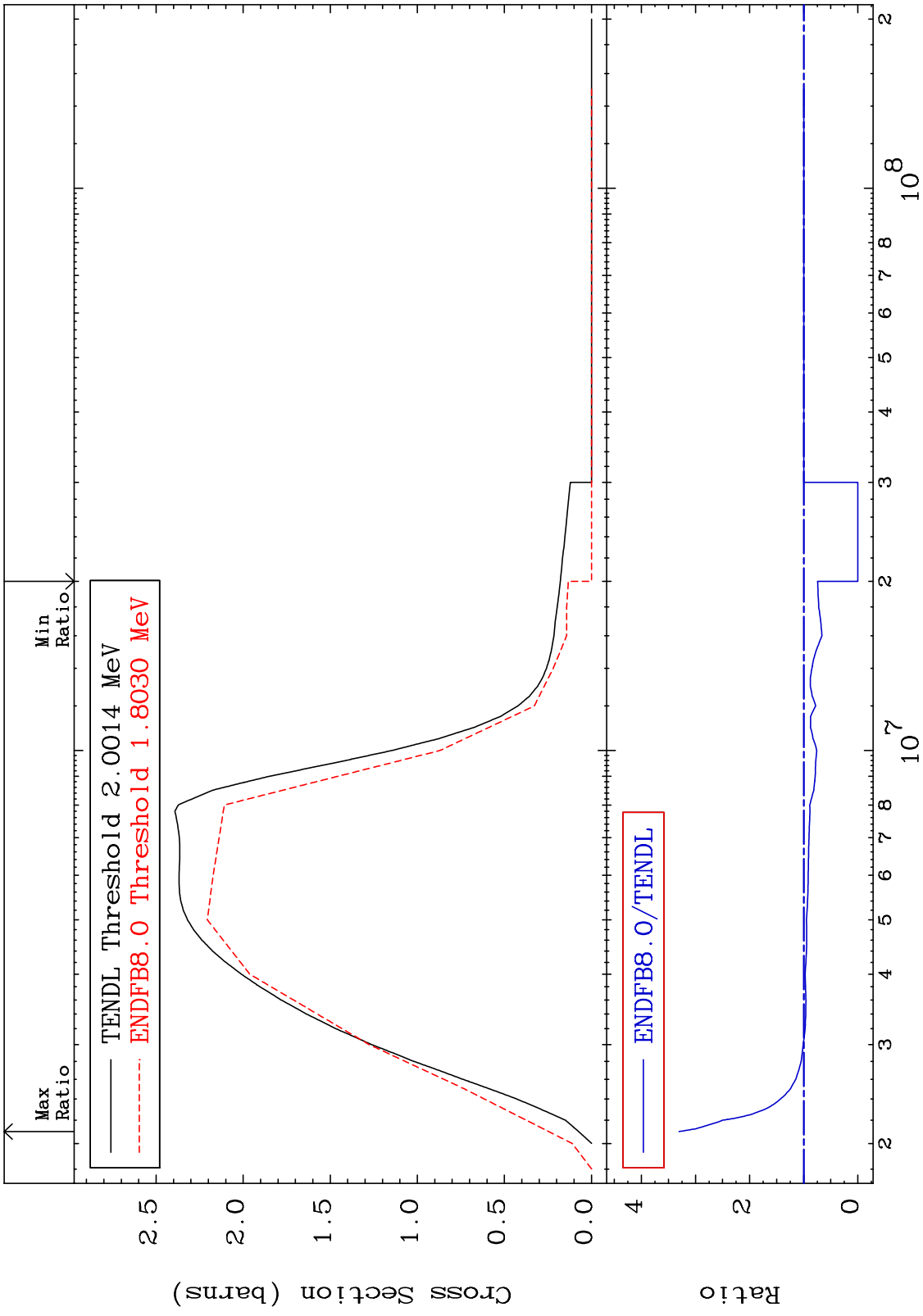
MAT 8043 MT= 68 (n,n') Level Cross Section -100.0 To 30.75 % 80-Hg-202



MAT 8043 MT= 69 (n,n') Level Cross Section -100.0 To 35.26 % 80-Hg-202



MAT 8043 (n, n') Continuum Cross Section -100.0 To 230.4 % 80-Hg-202



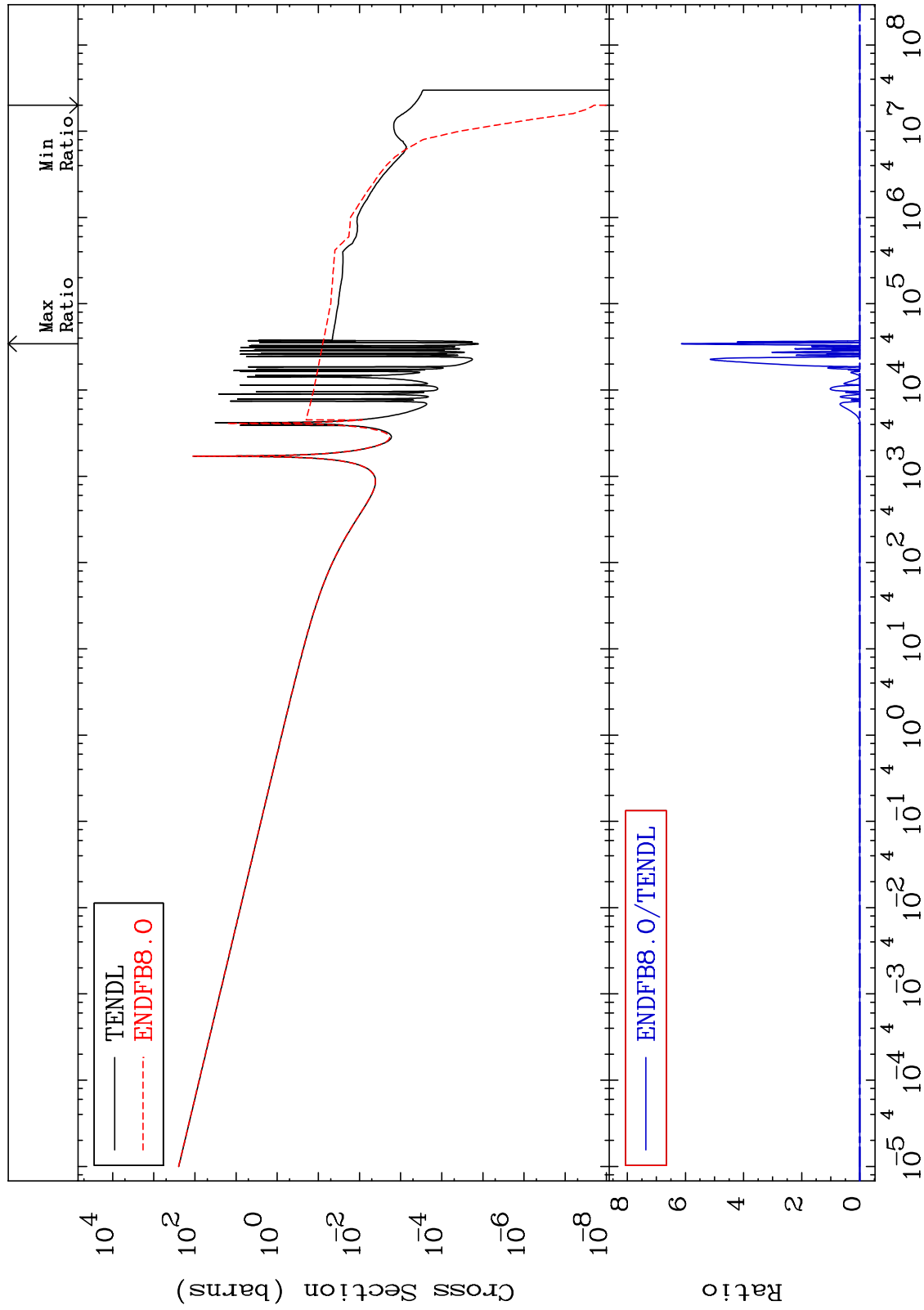
MAT 8043

(n, γ)

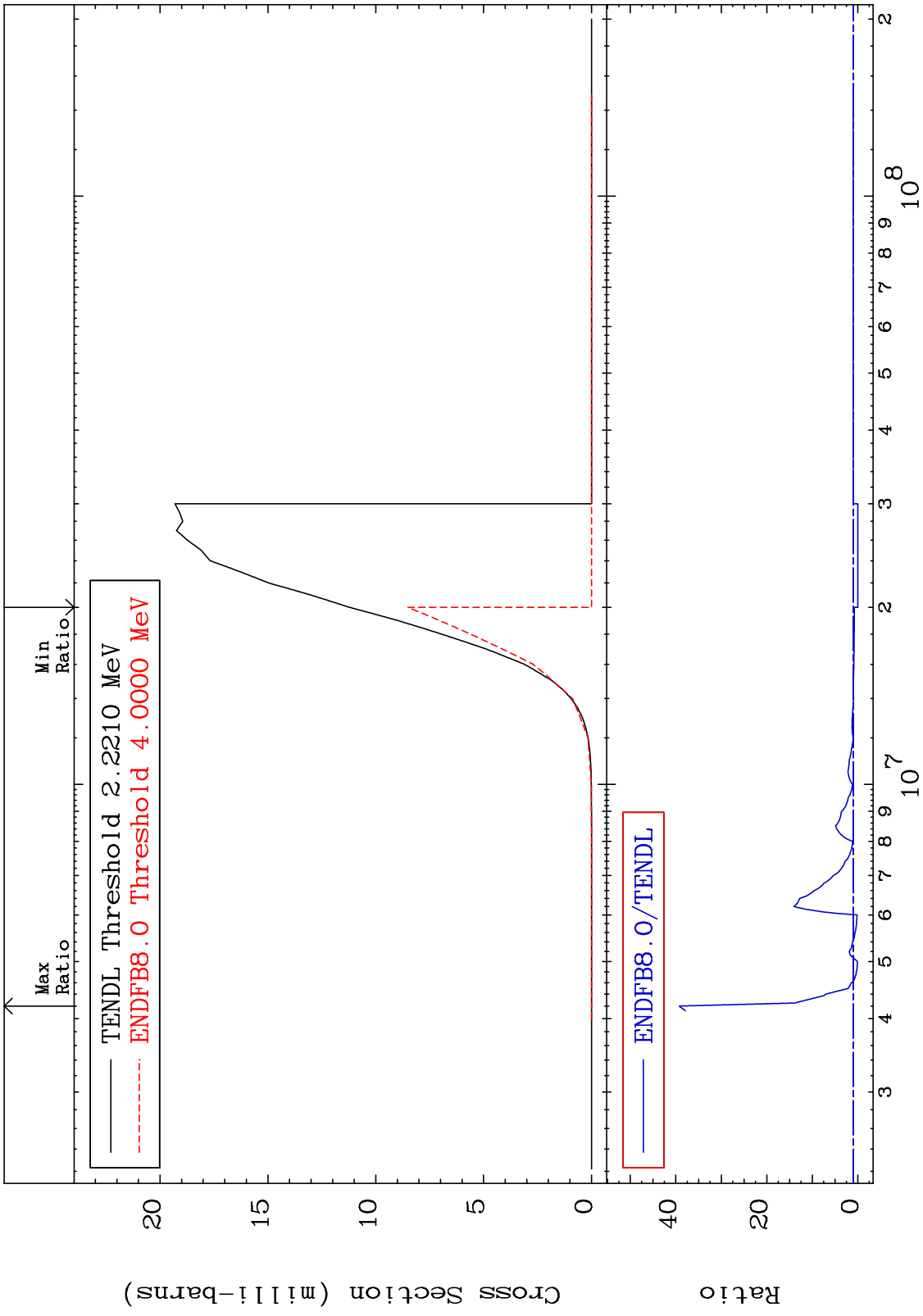
80-Hg-202

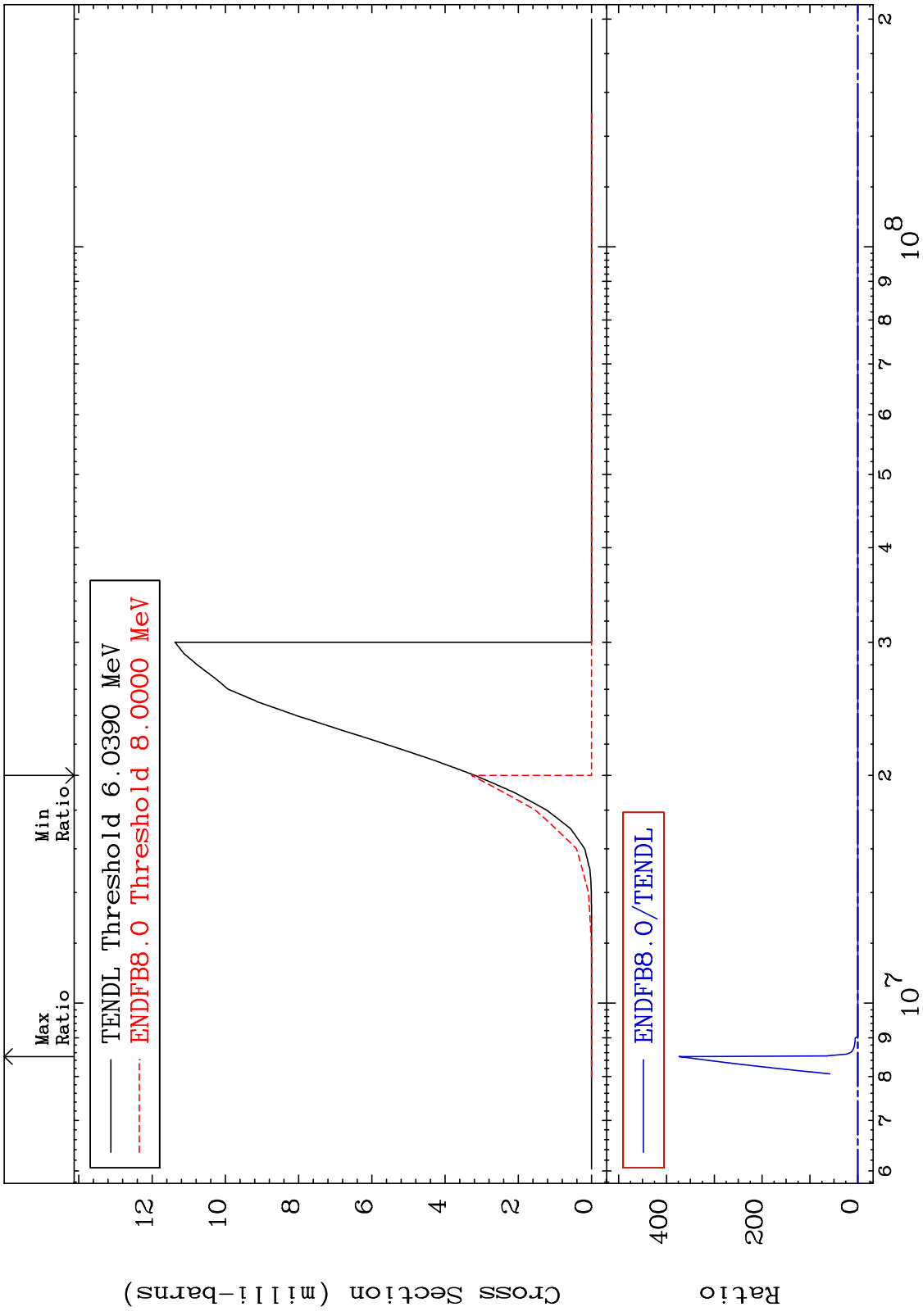
Cross Section

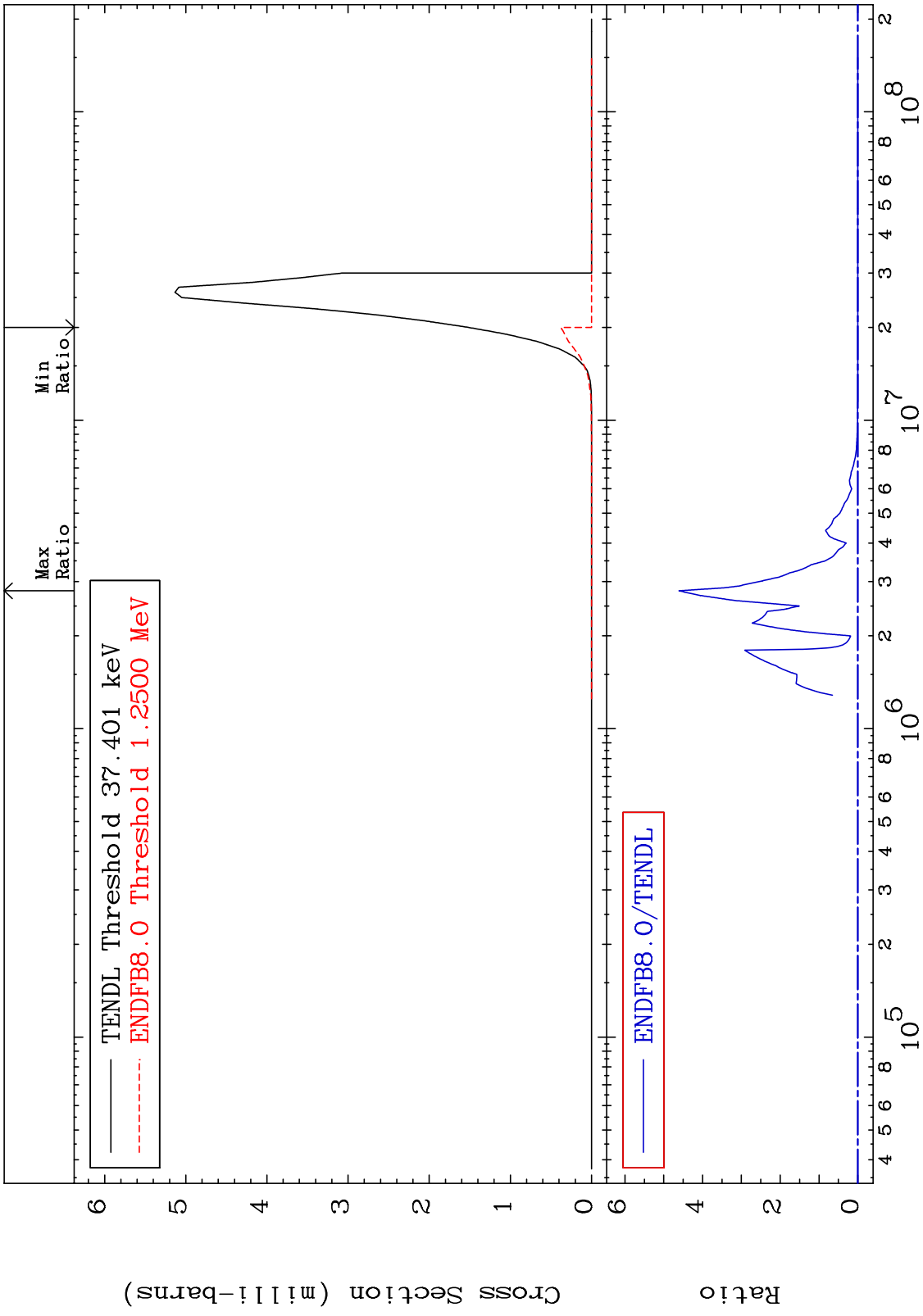
-100.0 To 9999. %



MAT 8043 (n,p) Cross Section 80-Hg-202 -100.0 To 3829. %



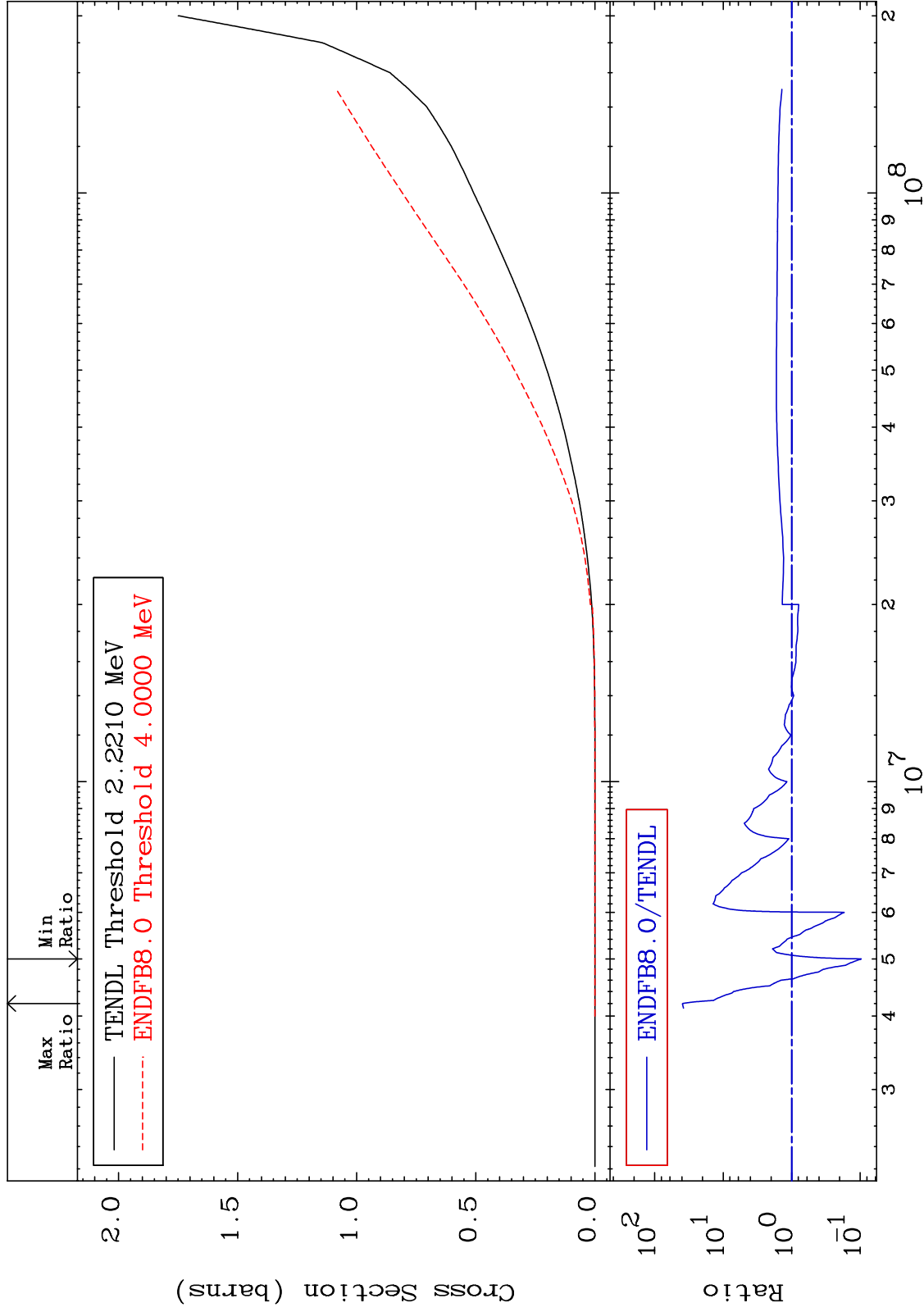




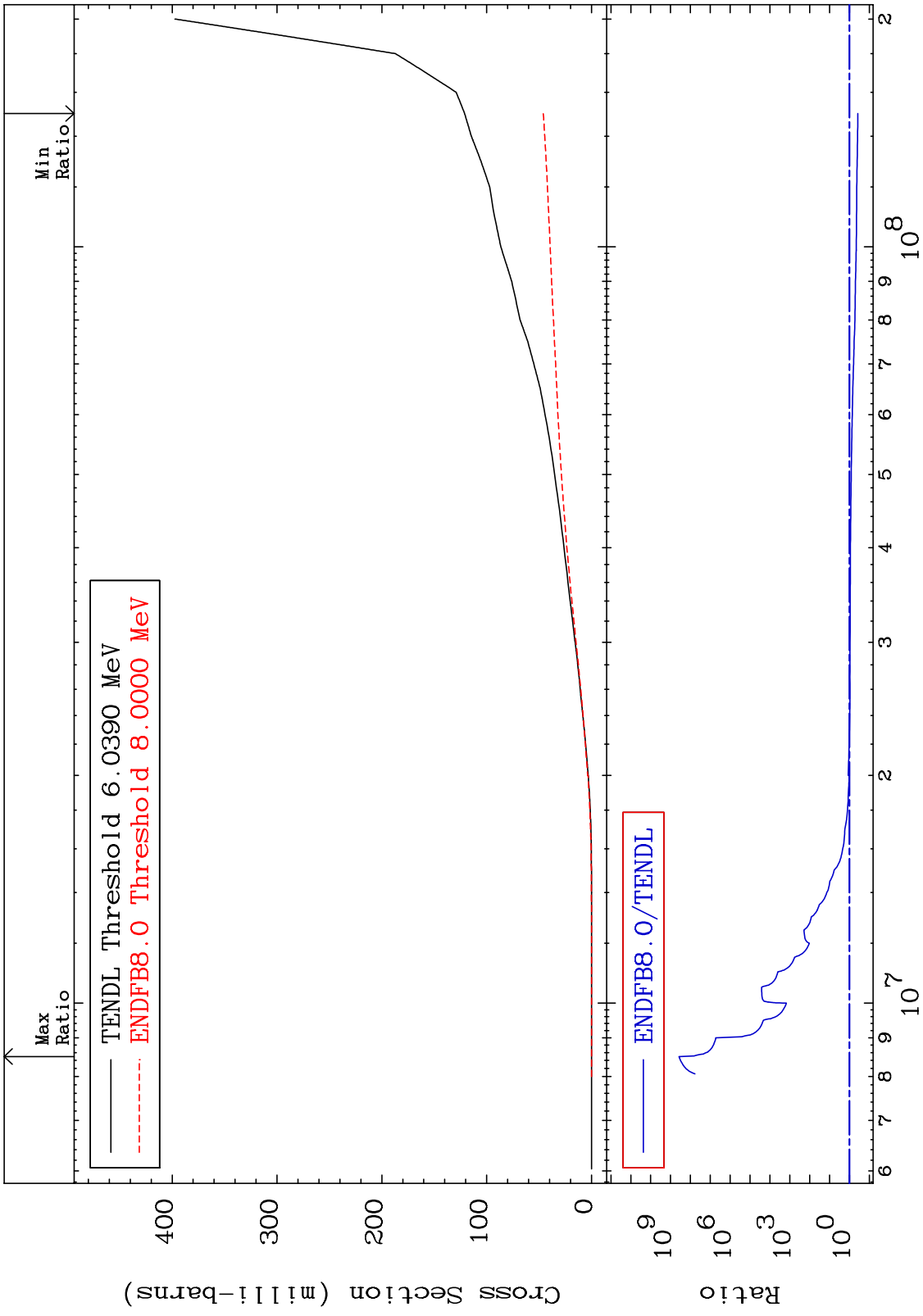
MAT 8043

Hydrogen Production
Cross Section

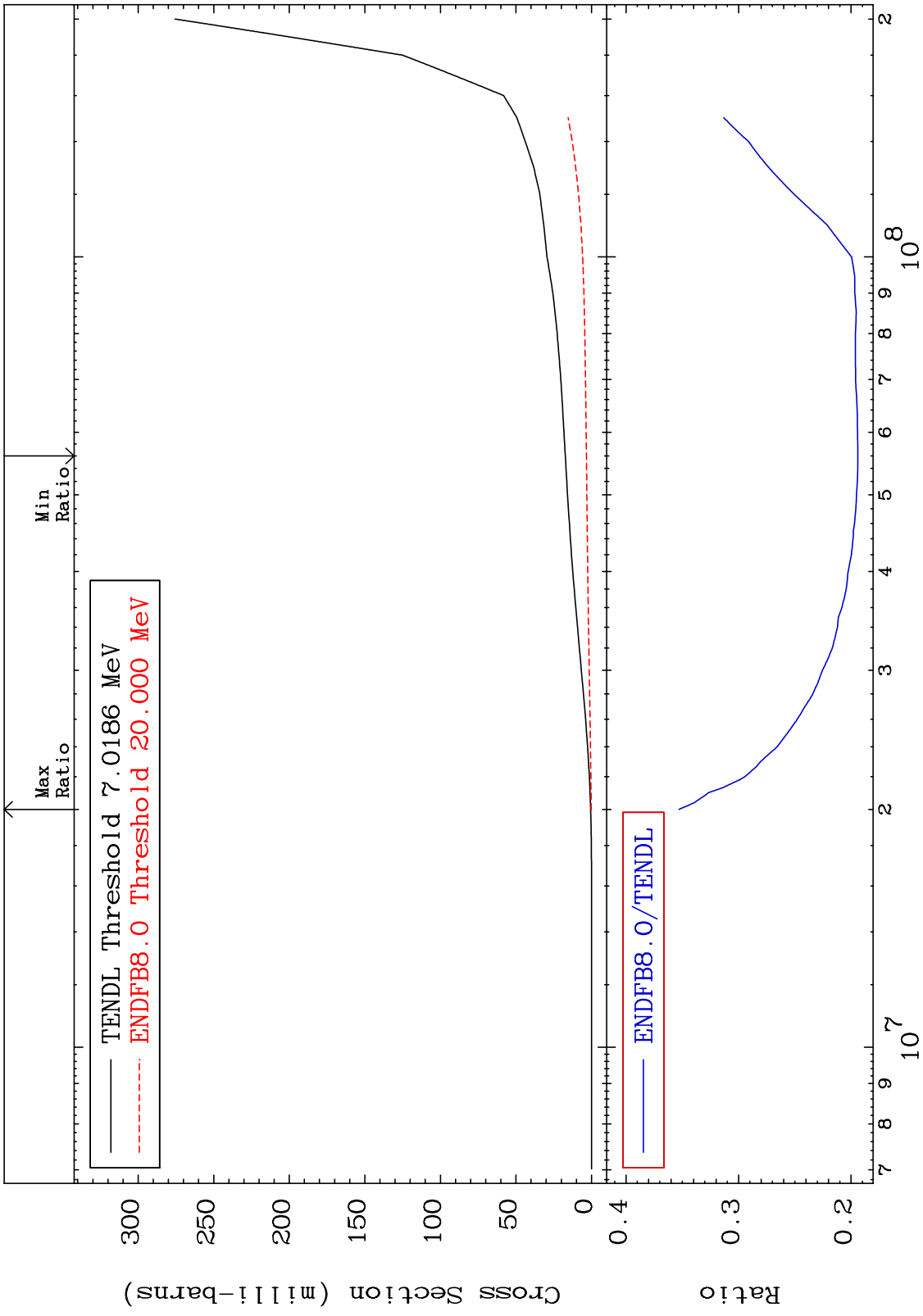
80-Hg-202
-90.34 To 3829. %



MAT 8043 Deuterium Production Cross Section 80-Hg-202
 -62.03 To 9999. %



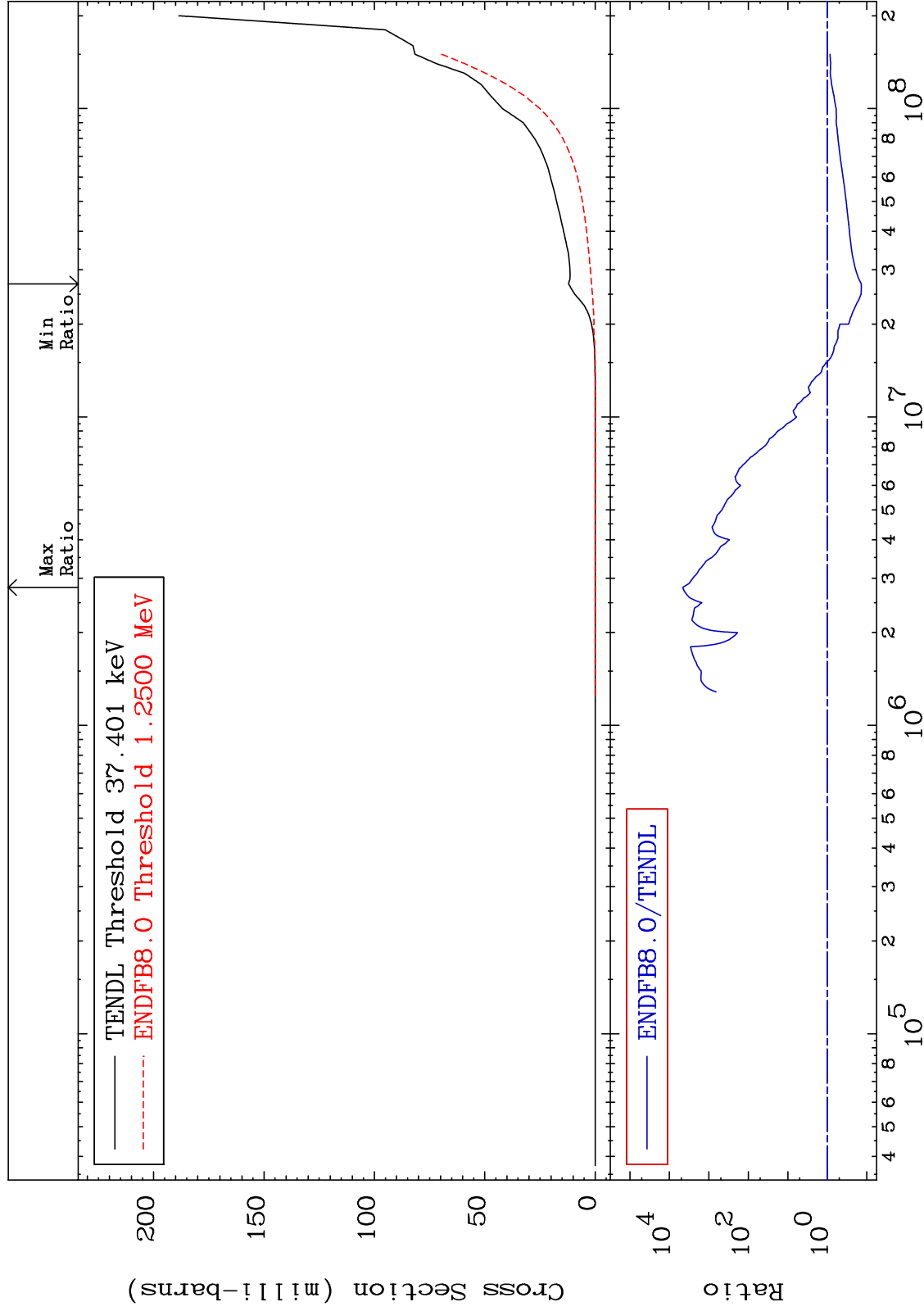
MAT 8043 Tritium Production Cross Section 80-Hg-202 -80.60 To -64.71%



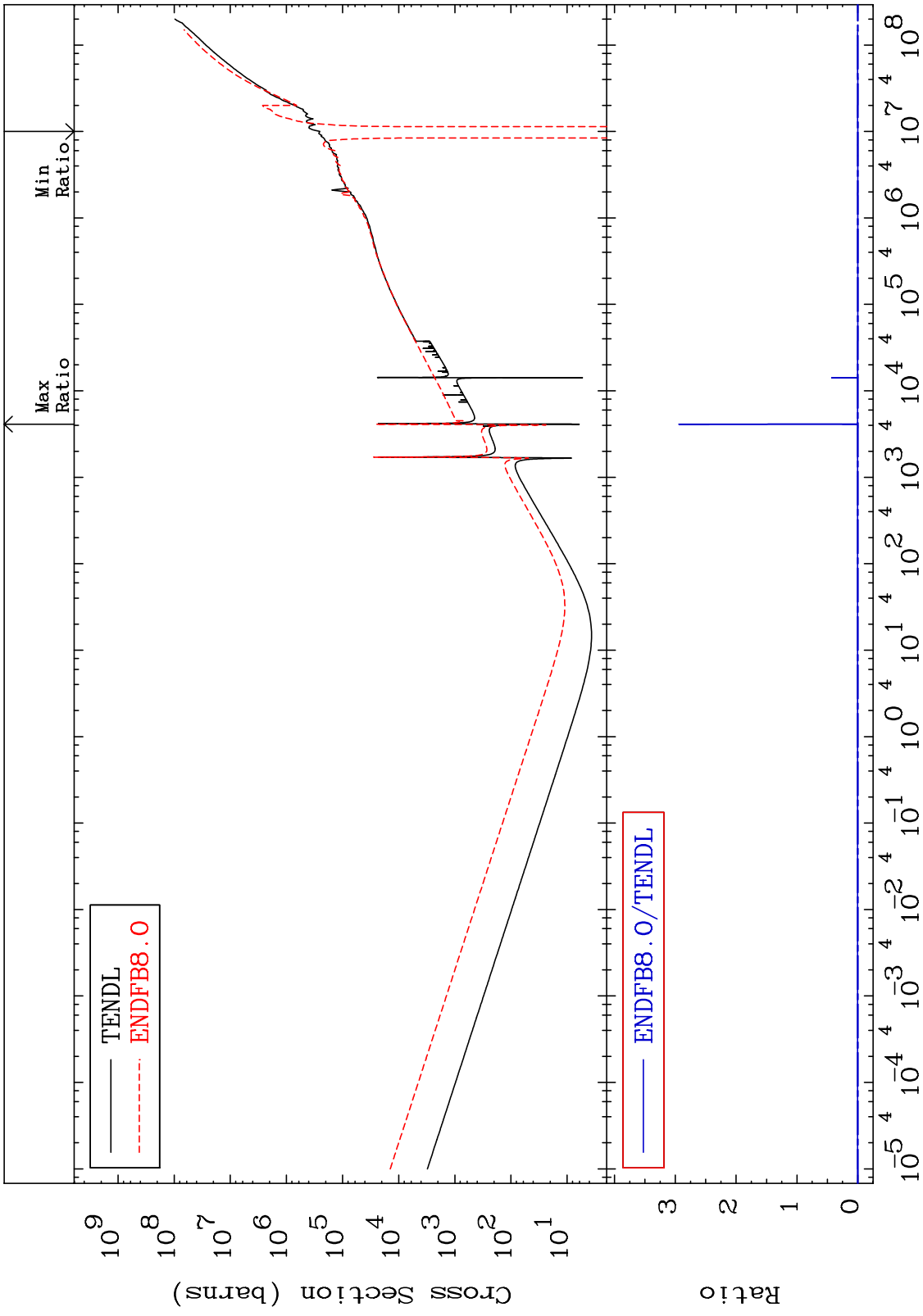
MAT 8043

He-4 Production
Cross Section

80-Hg-202
-86.31 To 9999. %



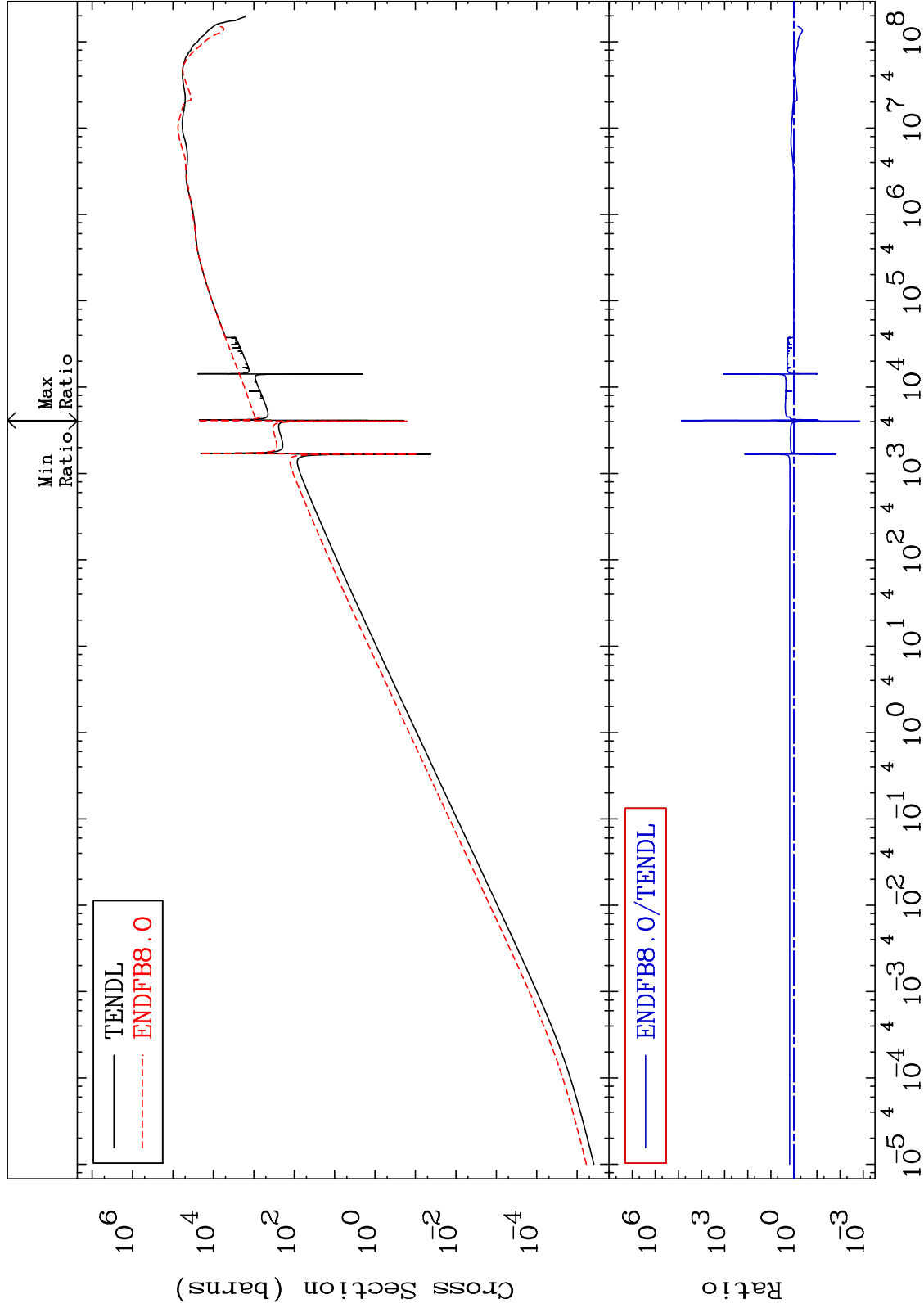
MAT 8043 Kerma total (eV-barns) 80-Hg-202
 Cross Section -229.2 To 9999. %



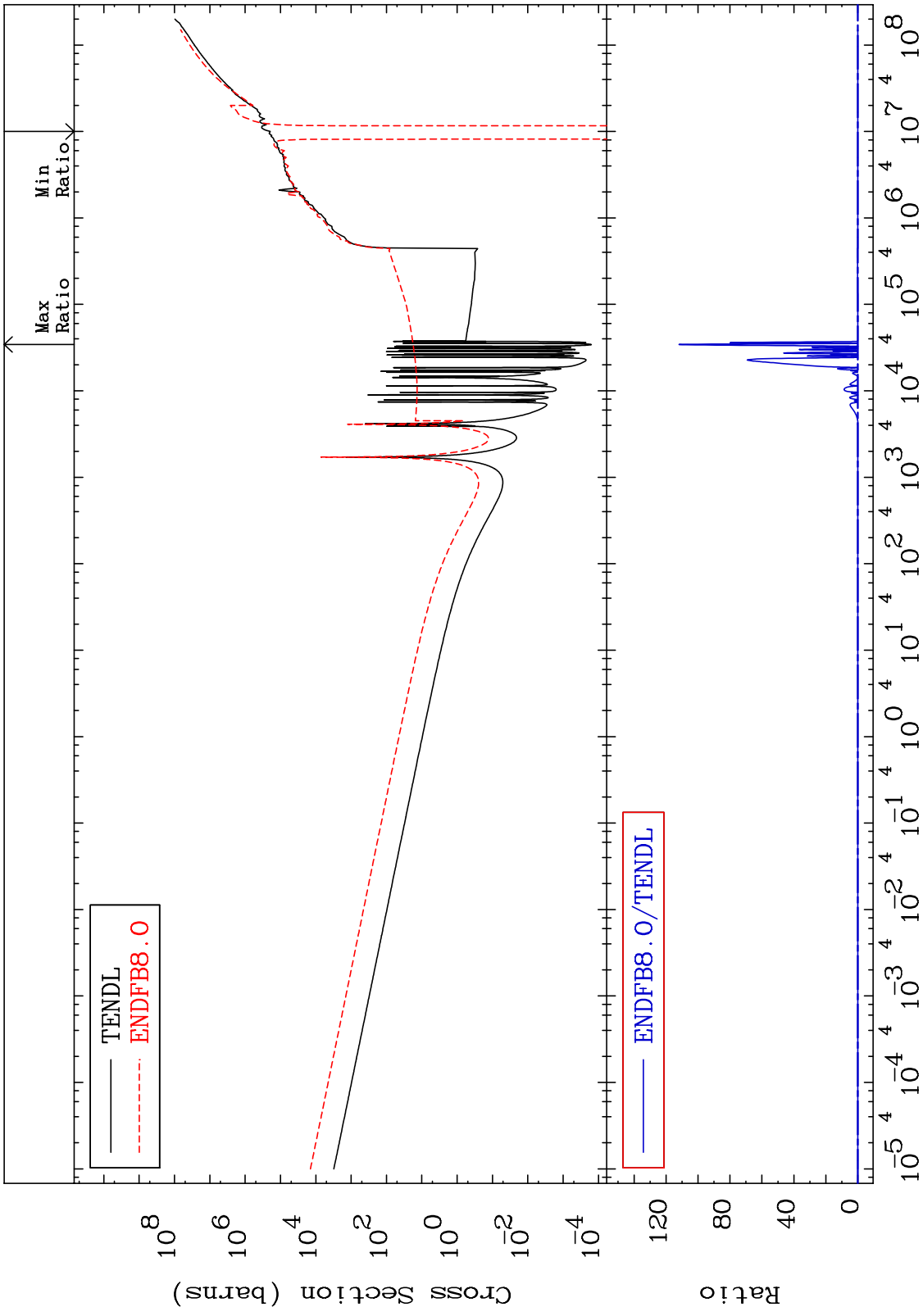
MAT 8043

Kerma elastic
Cross Section

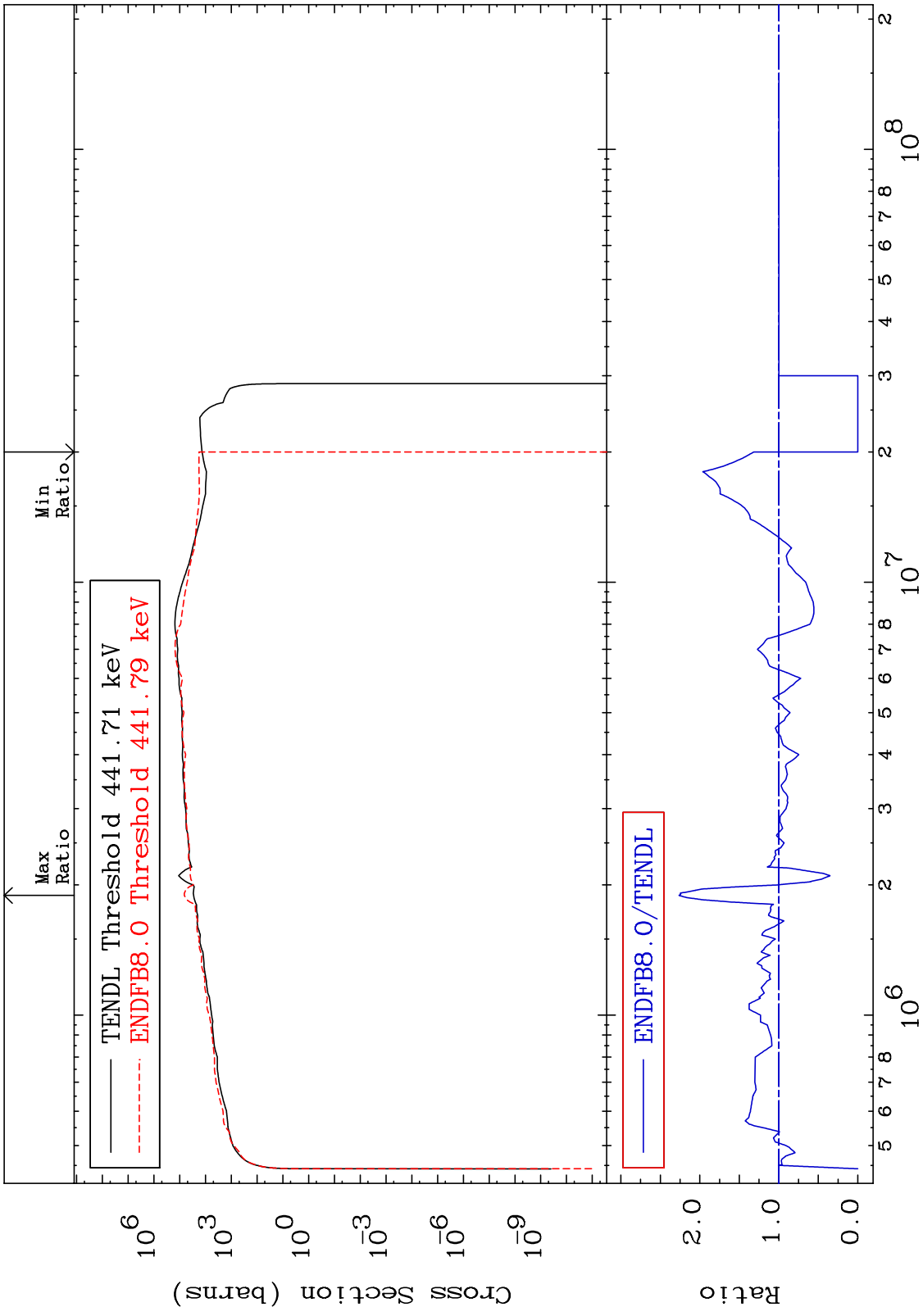
80-Hg-202
-99.86 To 9999. %



MAT 8043 Kerma non-elastic (all but mt2) 80-Hg-202
 Cross Section -306.7 To 9999. %



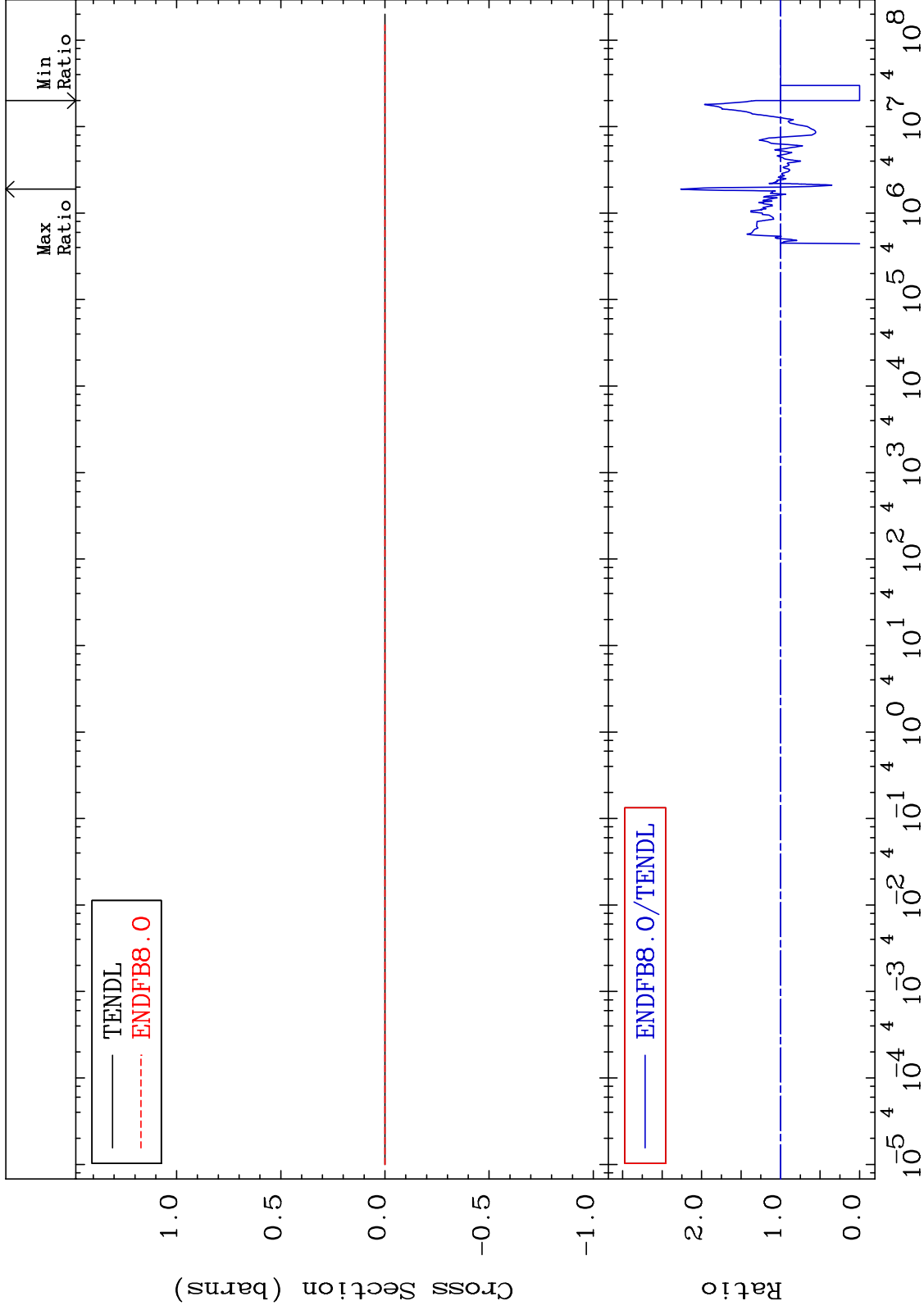
MAT 8043 Kerma inelastic (mt51-91) 80-Hg-202
 Cross Section -100.0 To 126.3 %



MAT 8043

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

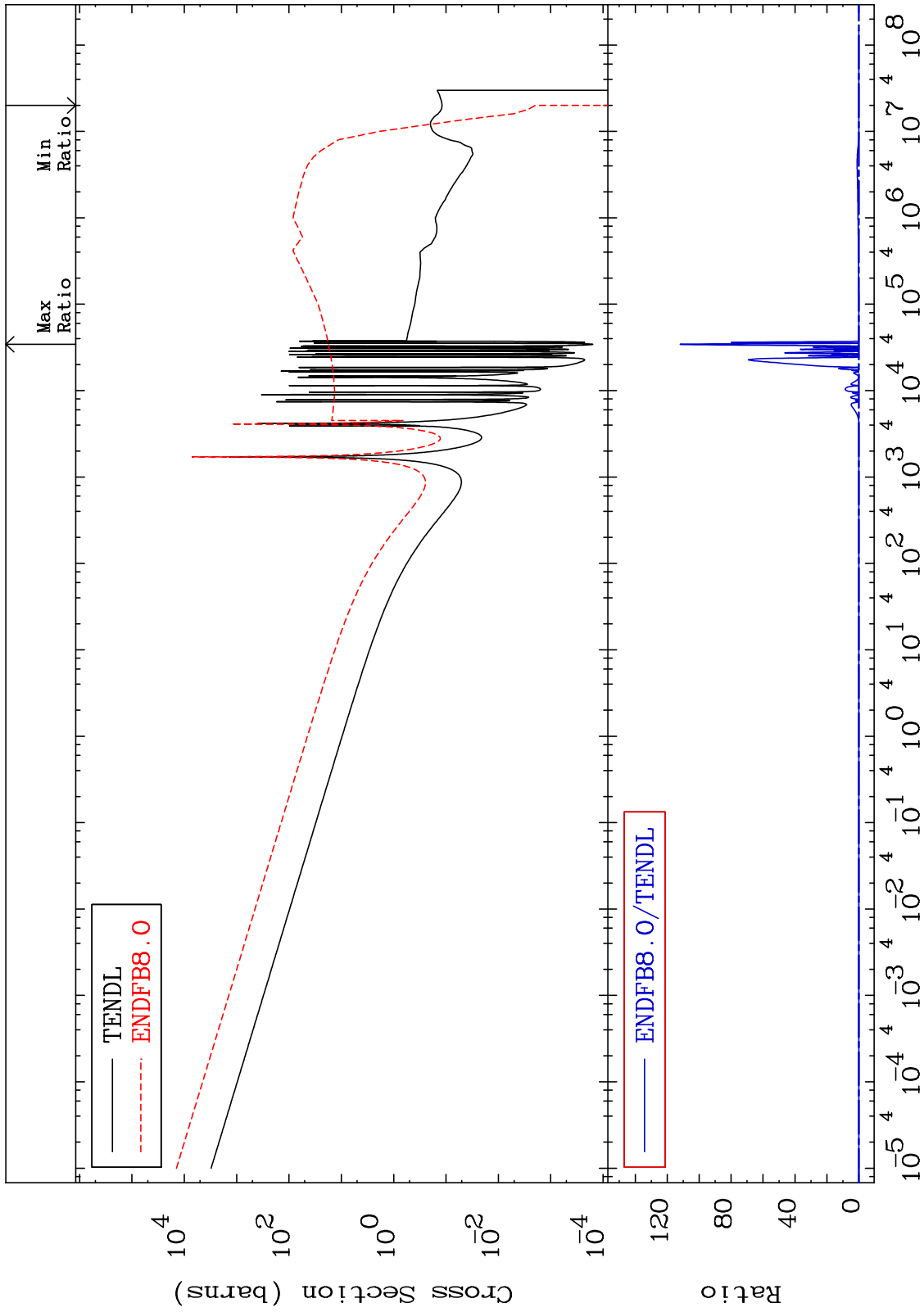
80-Hg-202
-100.0 To 126.3 %



MAT 8043

Kerma capture (mt102)
Cross Section

80-Hg-202
-100.0 To 9999. %



42

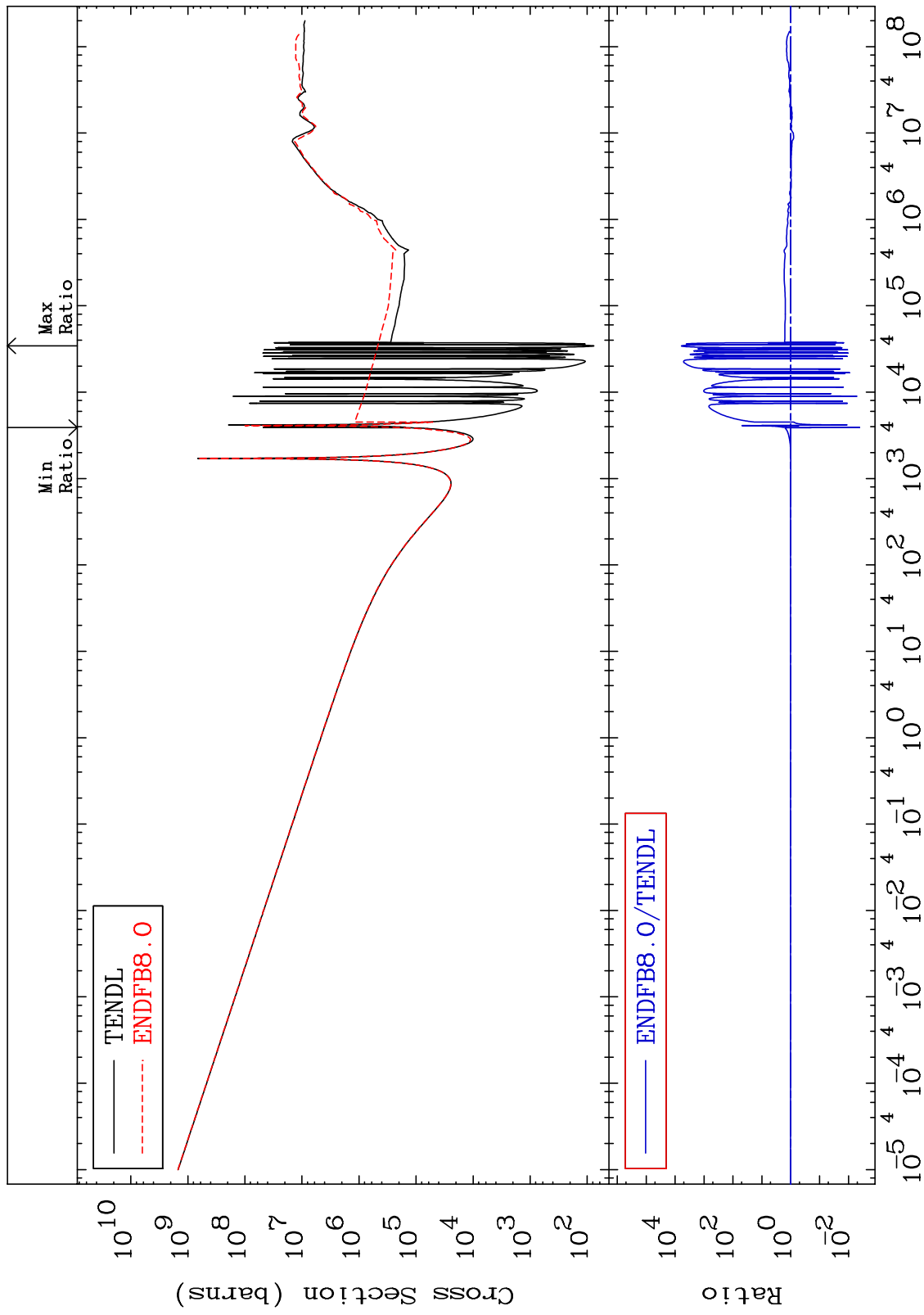
Incident Energy (eV)

80-Hg-202

MAT 8043

Total photon (eV-barns)
Cross Section

80-Hg-202
-99.59 To 9999. %

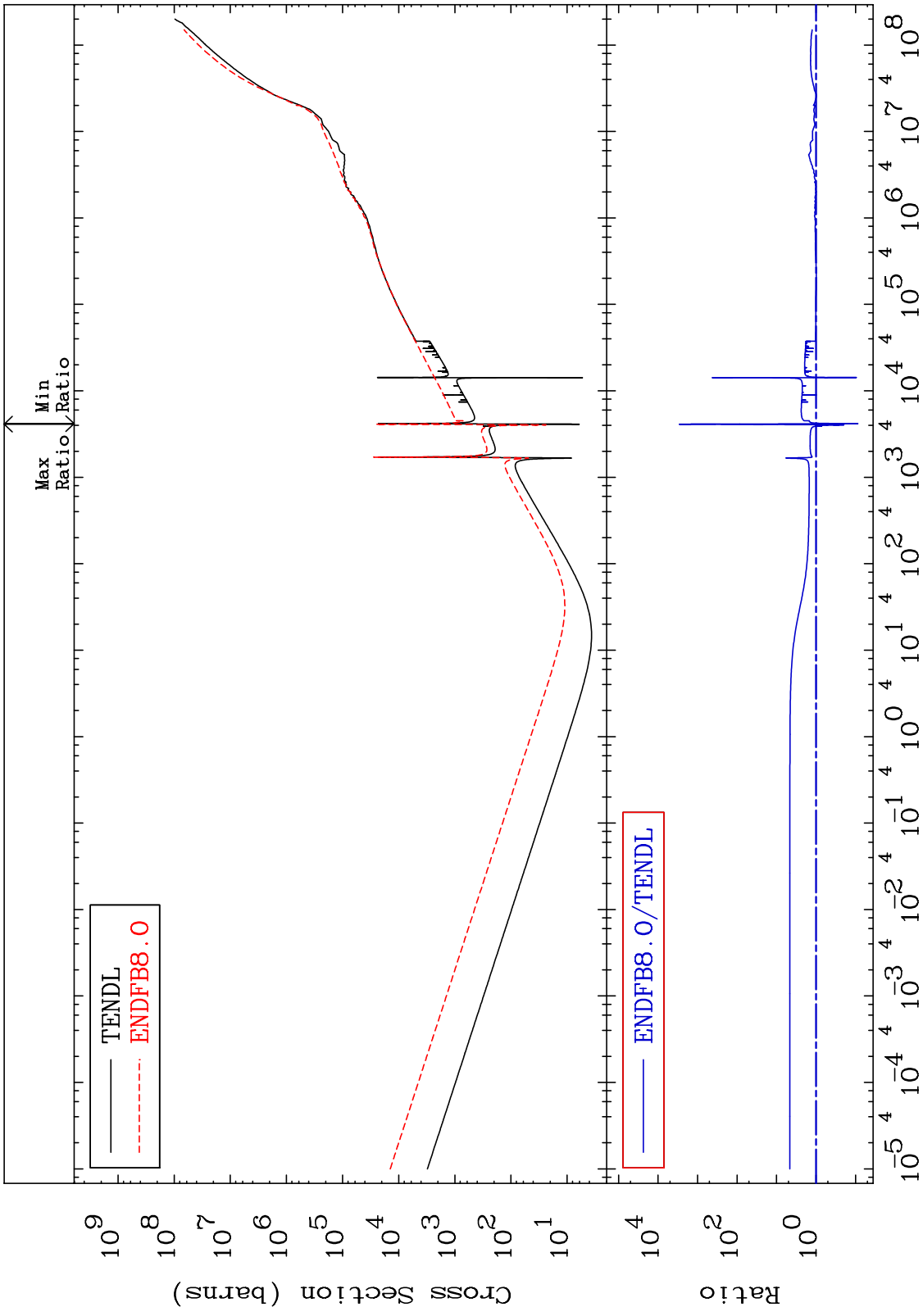


43

Incident Energy (eV)

80-Hg-202

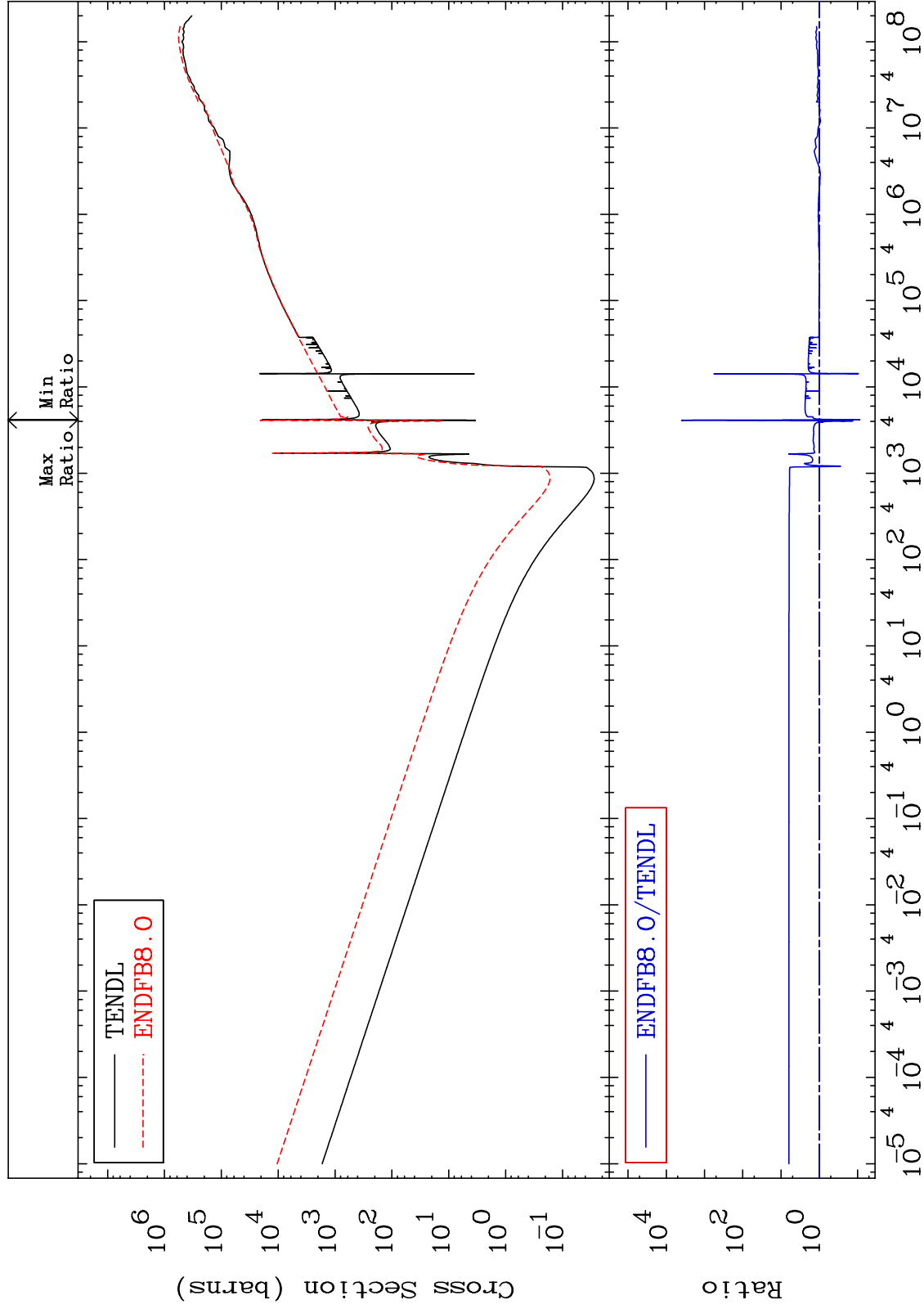
MAT 8043 Total kinematic kerma (high limit) 80-Hg-202
 Cross Section -91.25 To 9999. %

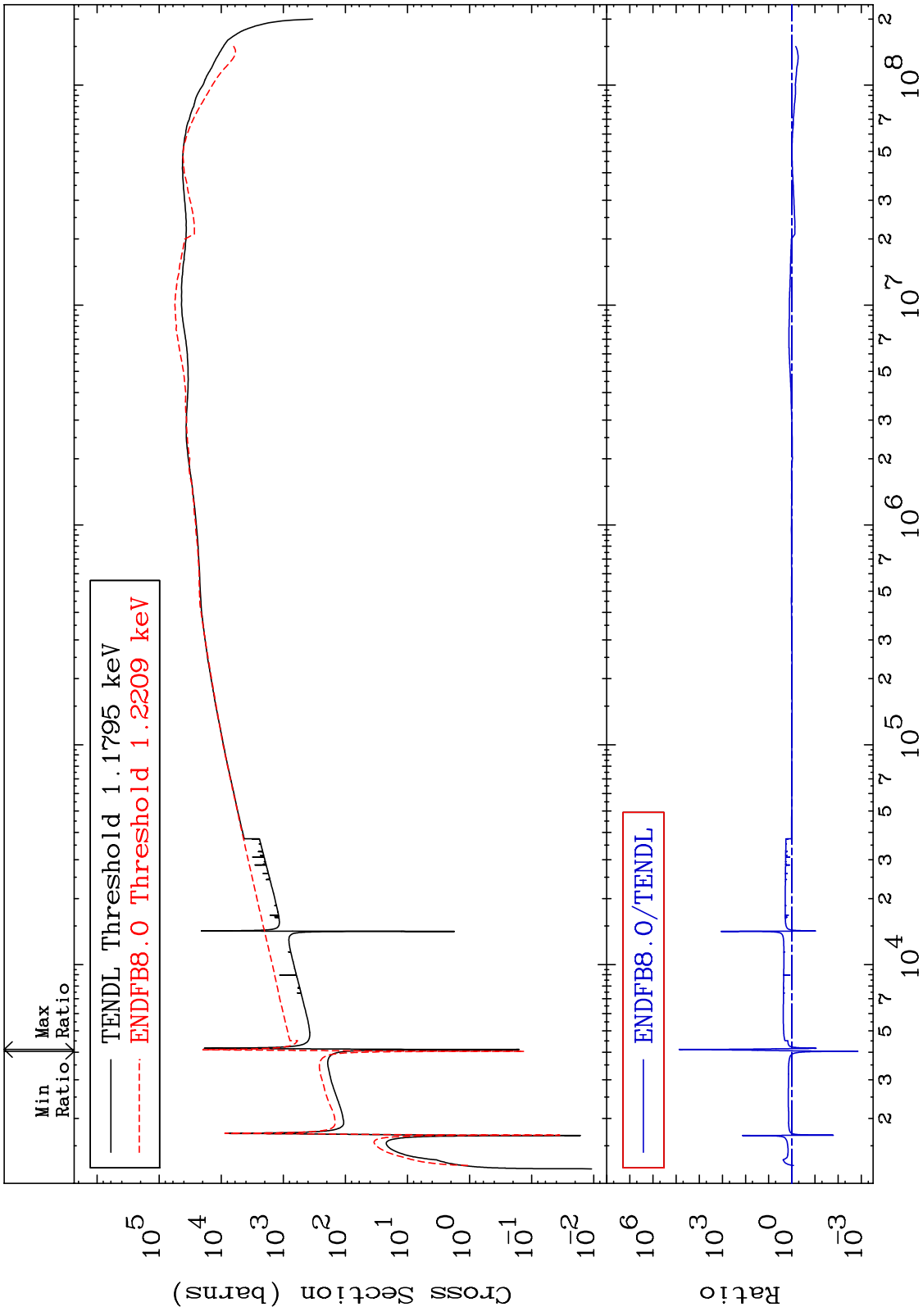


MAT 8043

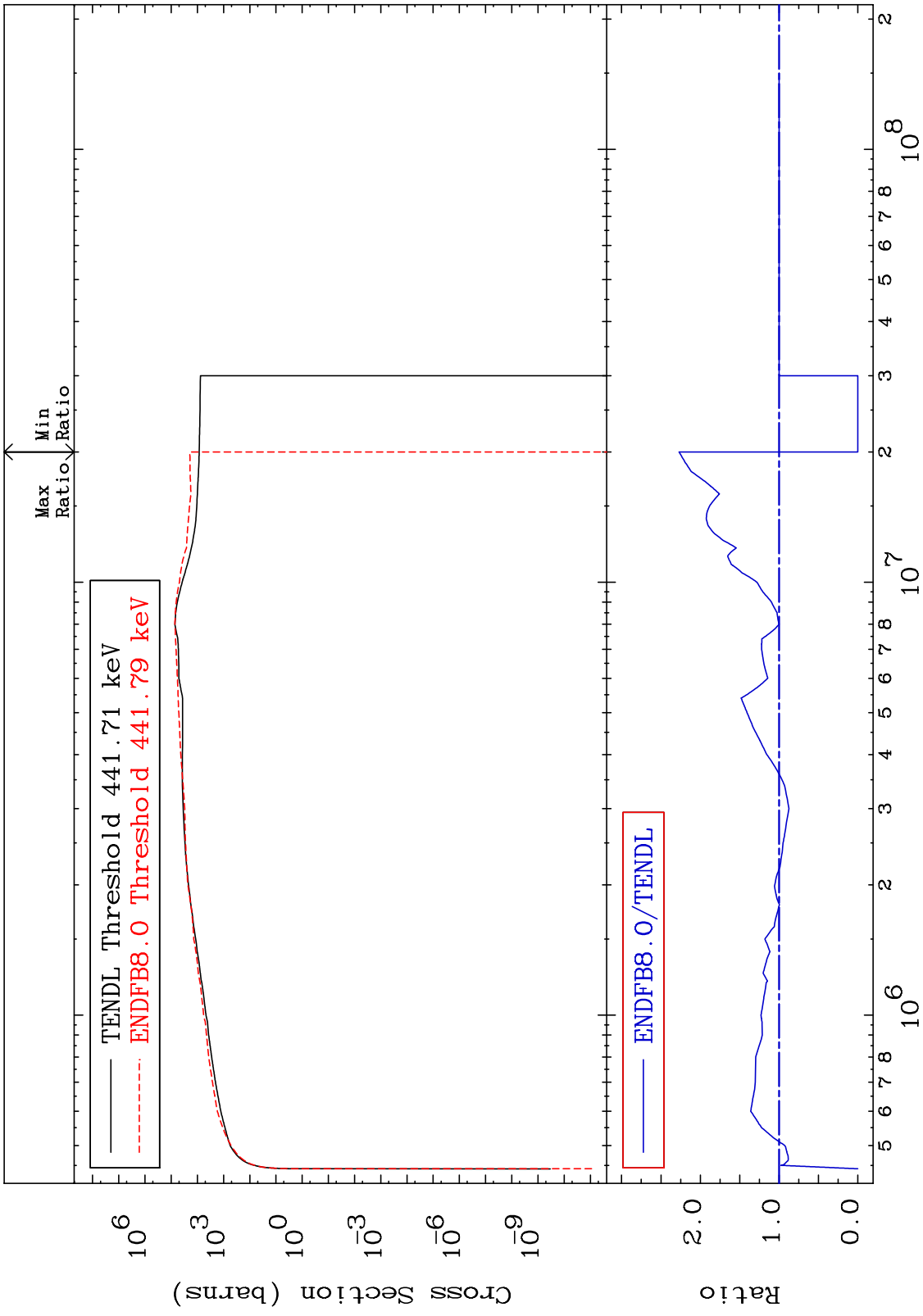
Dpa total (eV-barns)
Cross Section

80-Hg-202
-91.30 To 9999. %





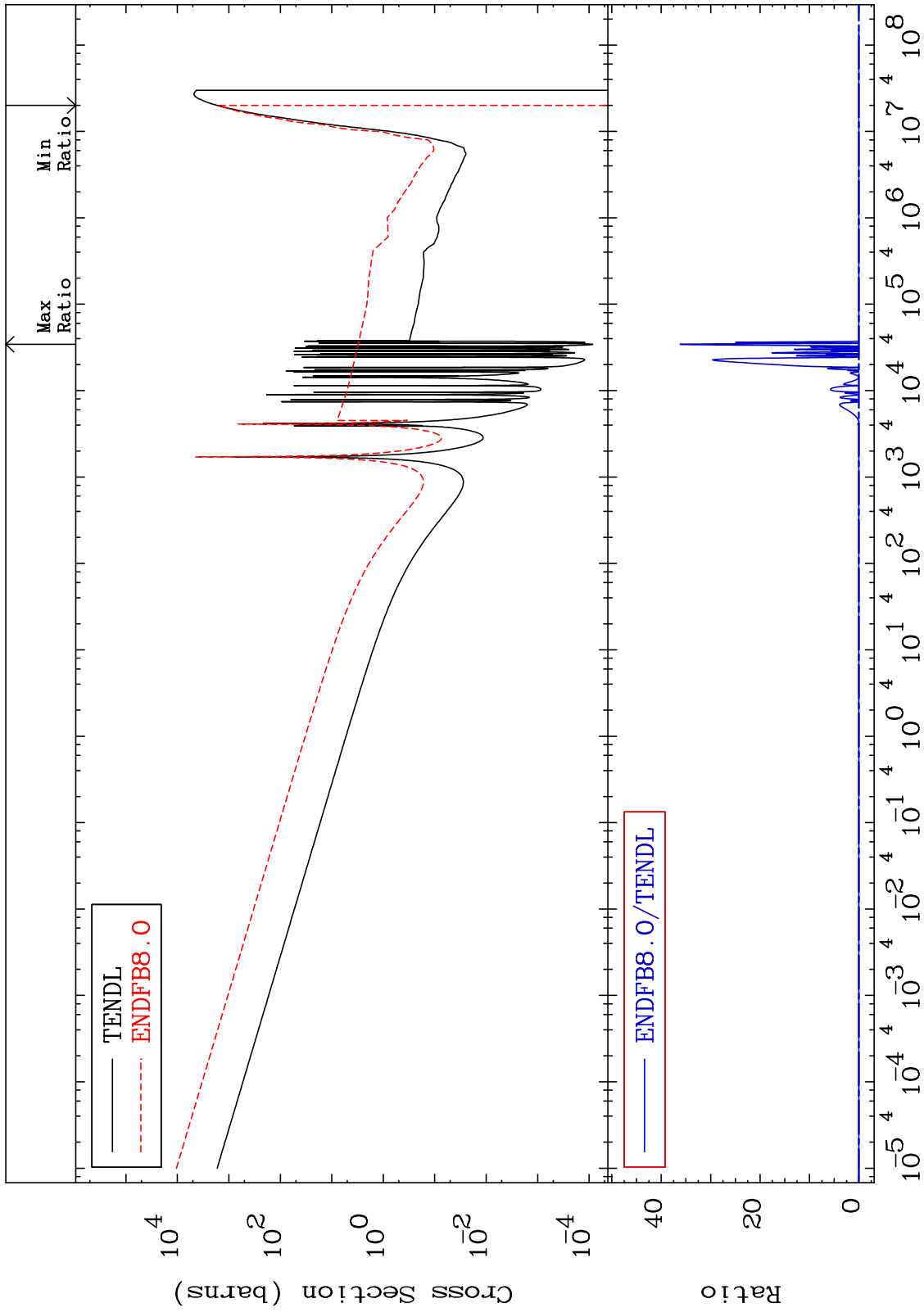
MAT 8043 Dpa inelastic (mt51-91) 80-Hg-202
 Cross Section -100.0 To 127.0 %



MAT 8043

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-202
-100.0 To 9999. %



48

Incident Energy (eV)

80-Hg-202