

Program Complot
(Version 2018-1)

by

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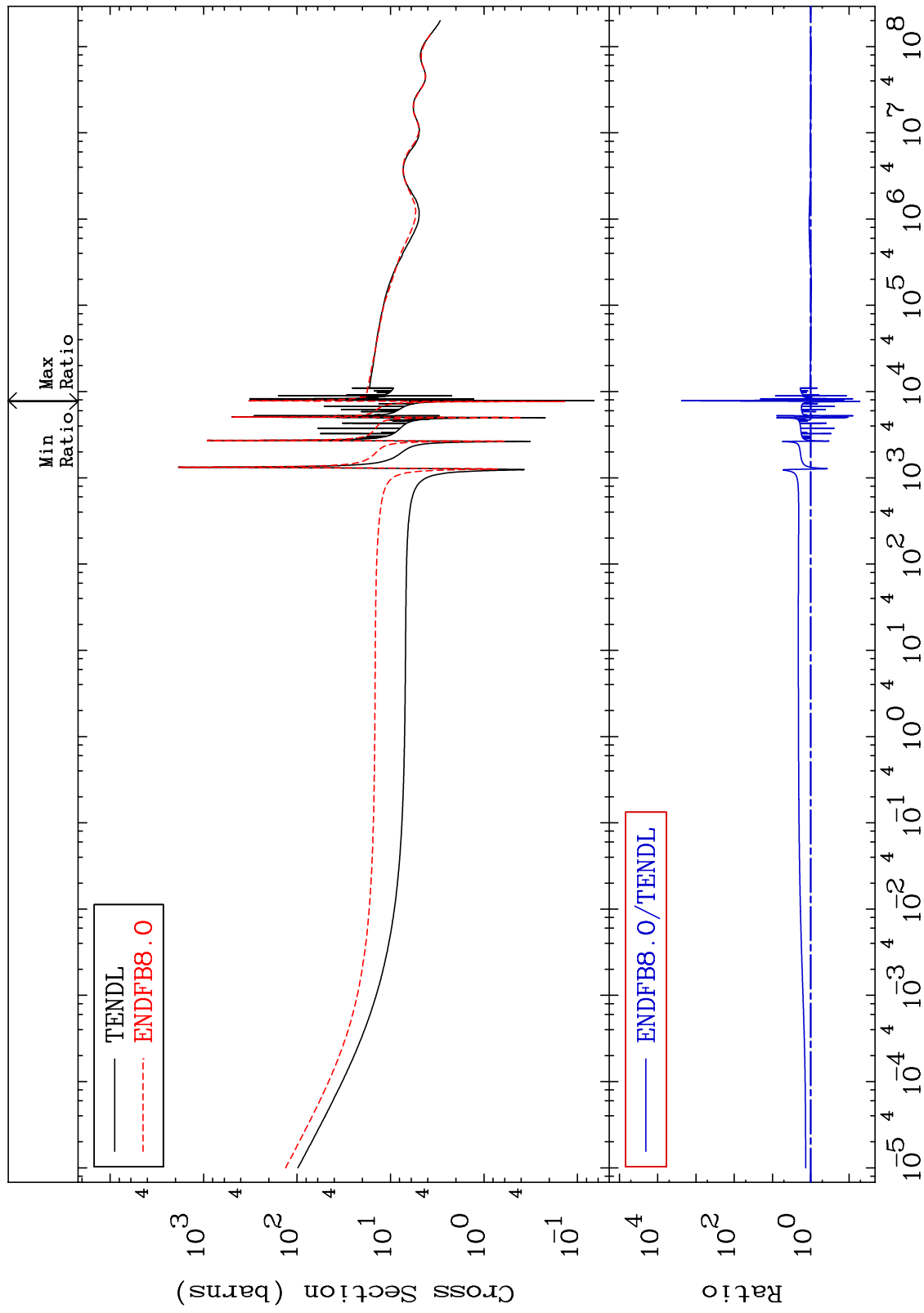
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8037

Total
Cross Section

80-Hg-200
-94.79 To 9999. %



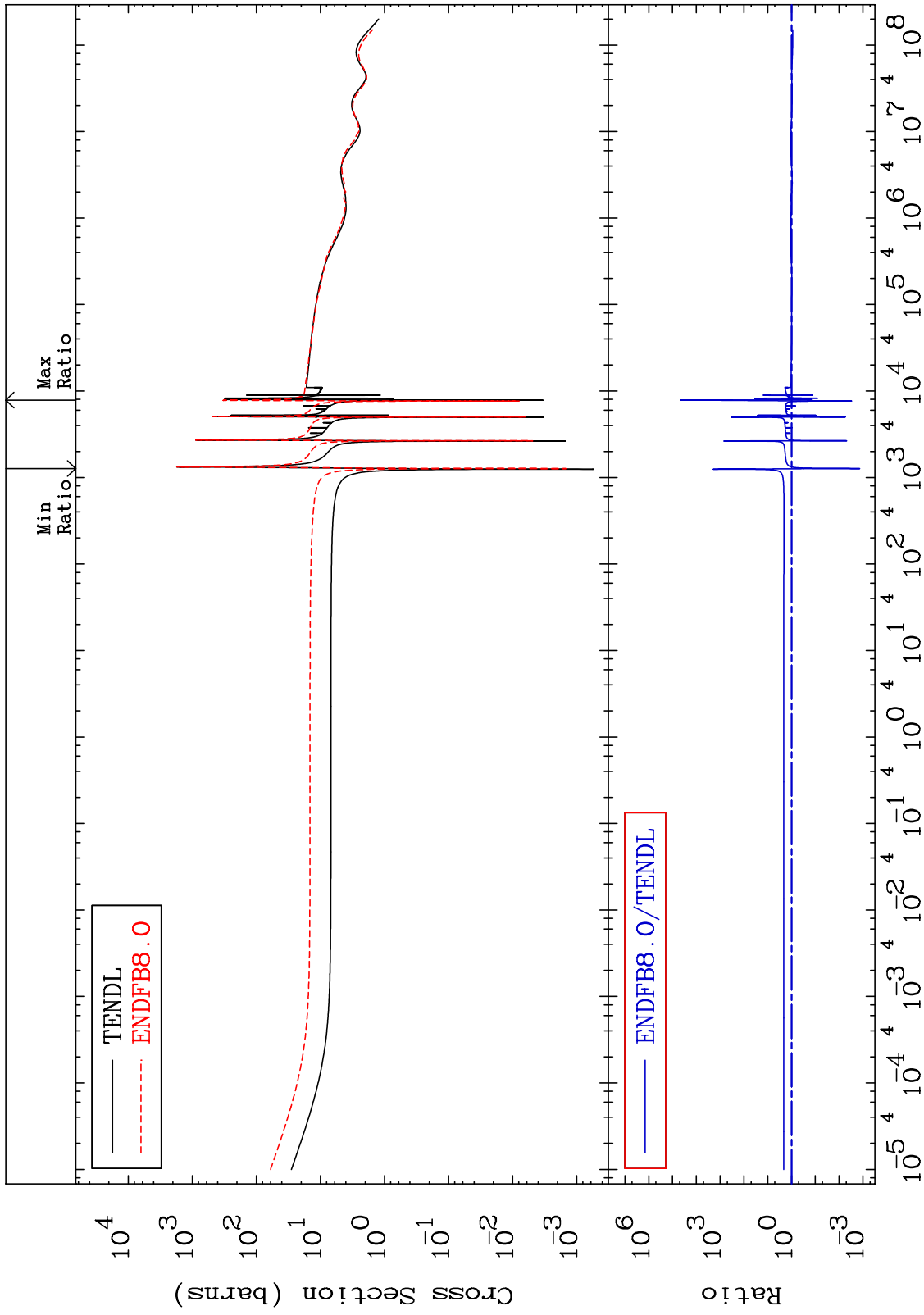
Incident Energy (eV)

80-Hg-200

MAT 8037

Elastic
Cross Section

80-Hg-200
-99.86 To 9999. %

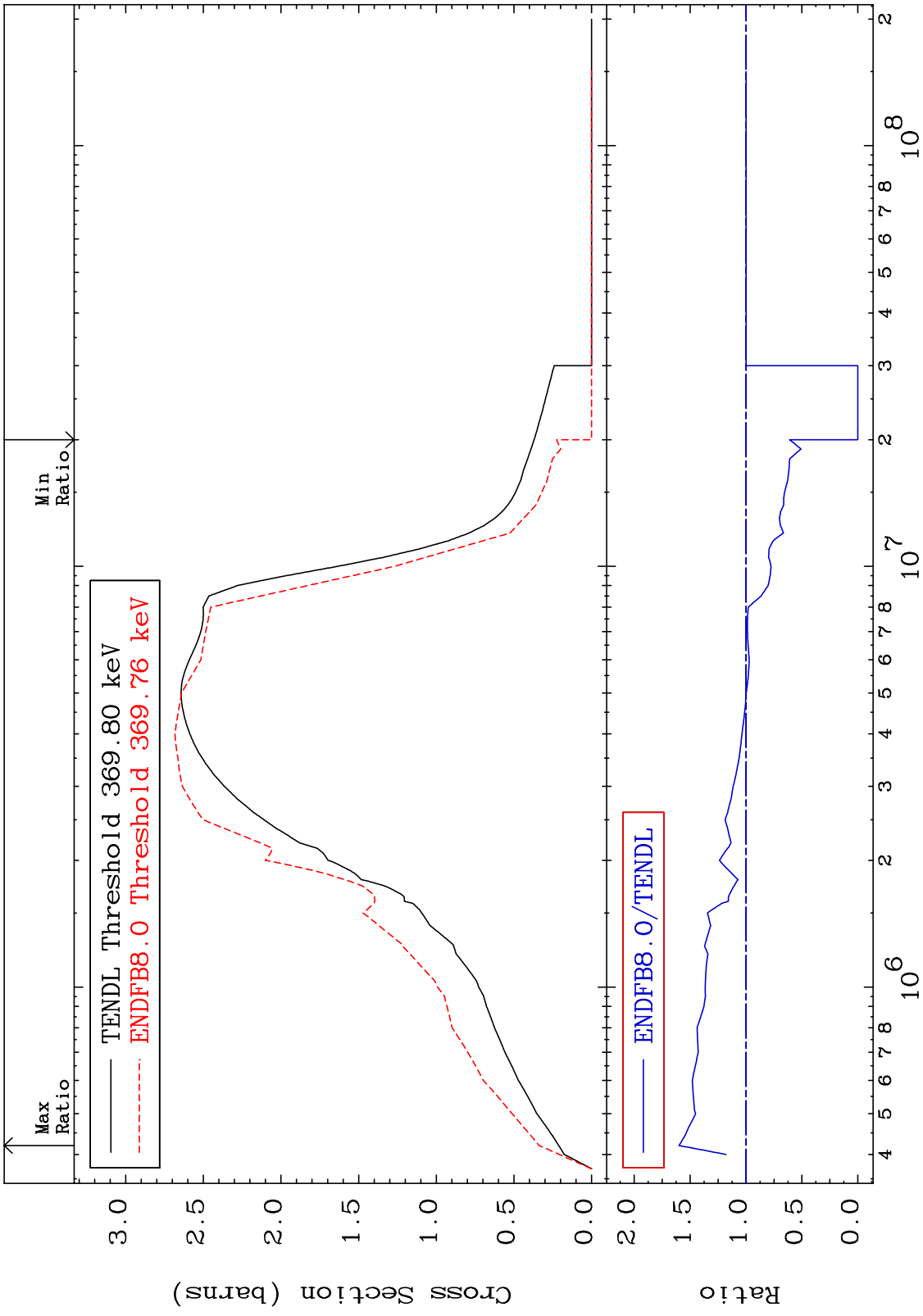


2

Incident Energy (eV)

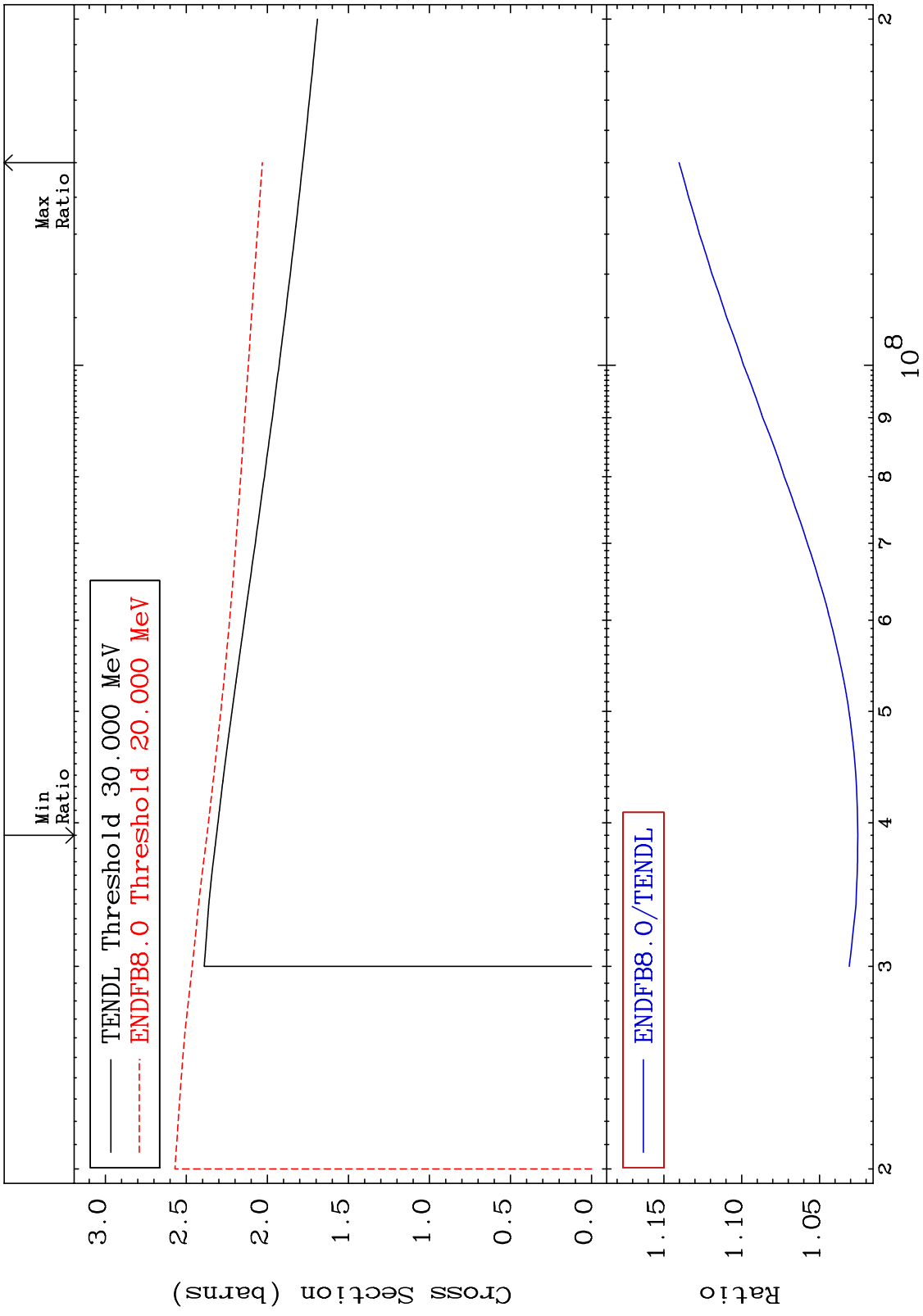
80-Hg-200

MAT 8037 Inelastic Cross Section 80-Hg-200 -100.0 To 59.91 %

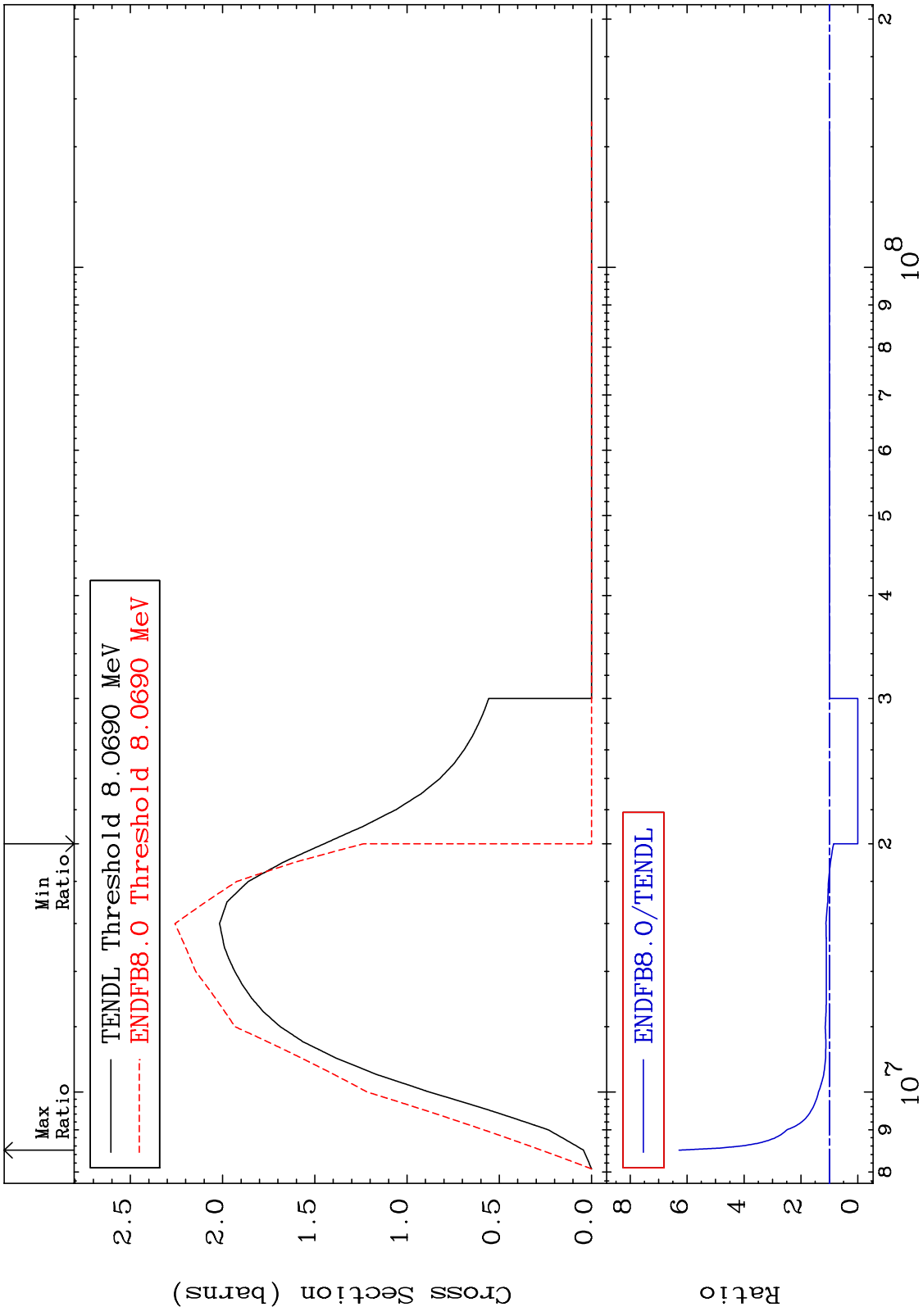


3 Incident Energy (eV) 80-Hg-200

MAT 8037 (n, remainder) Cross Section 80-Hg-200 To 14.02 %
 2.534

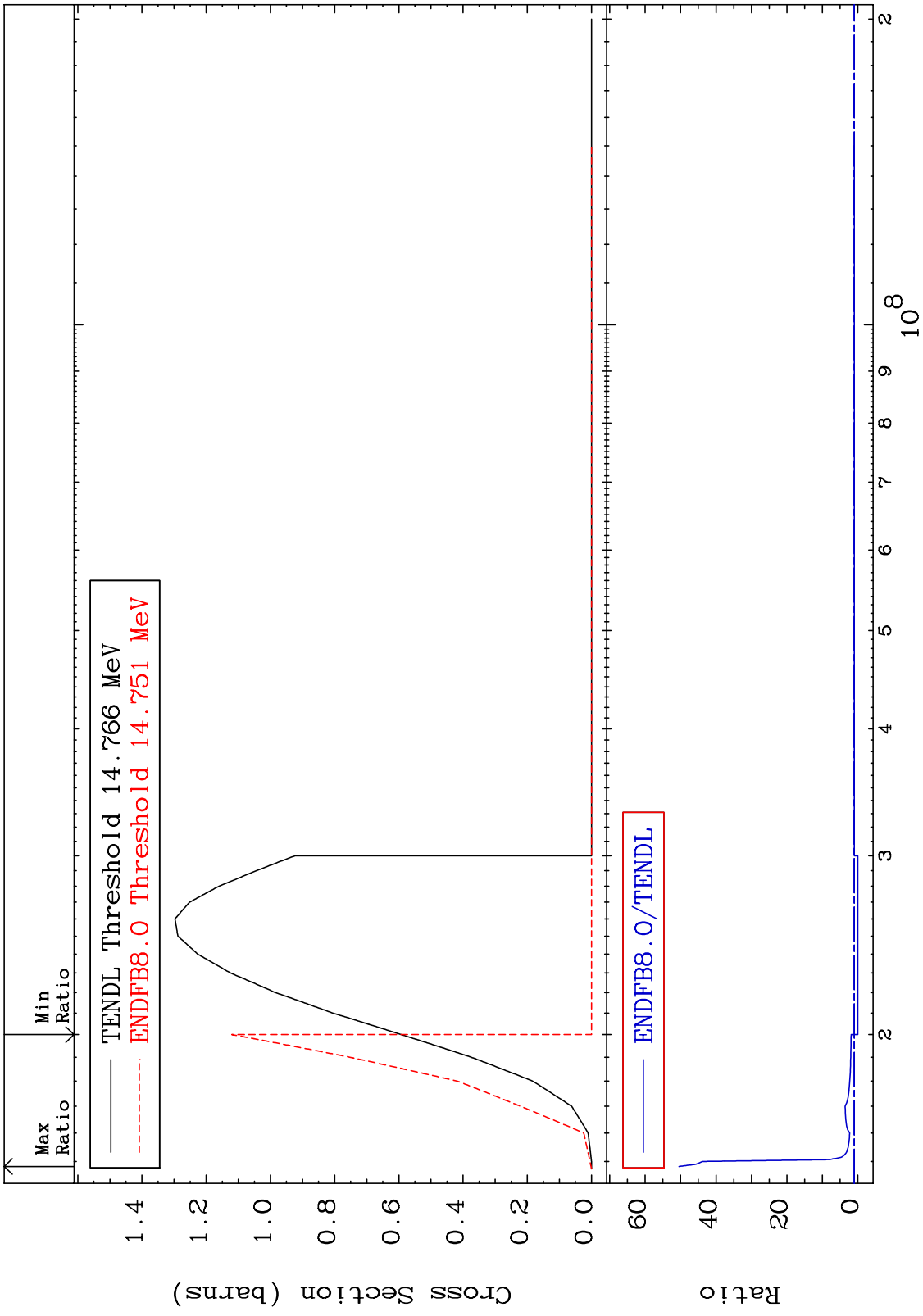


MAT 8037 (n,2n) Cross Section 80-Hg-200 -100.0 To 528.4 %



80-Hg-200 Incident Energy (eV)

MAT 8037 (n,3n) Cross Section 80-Hg-200 -100.0 To 4944. %



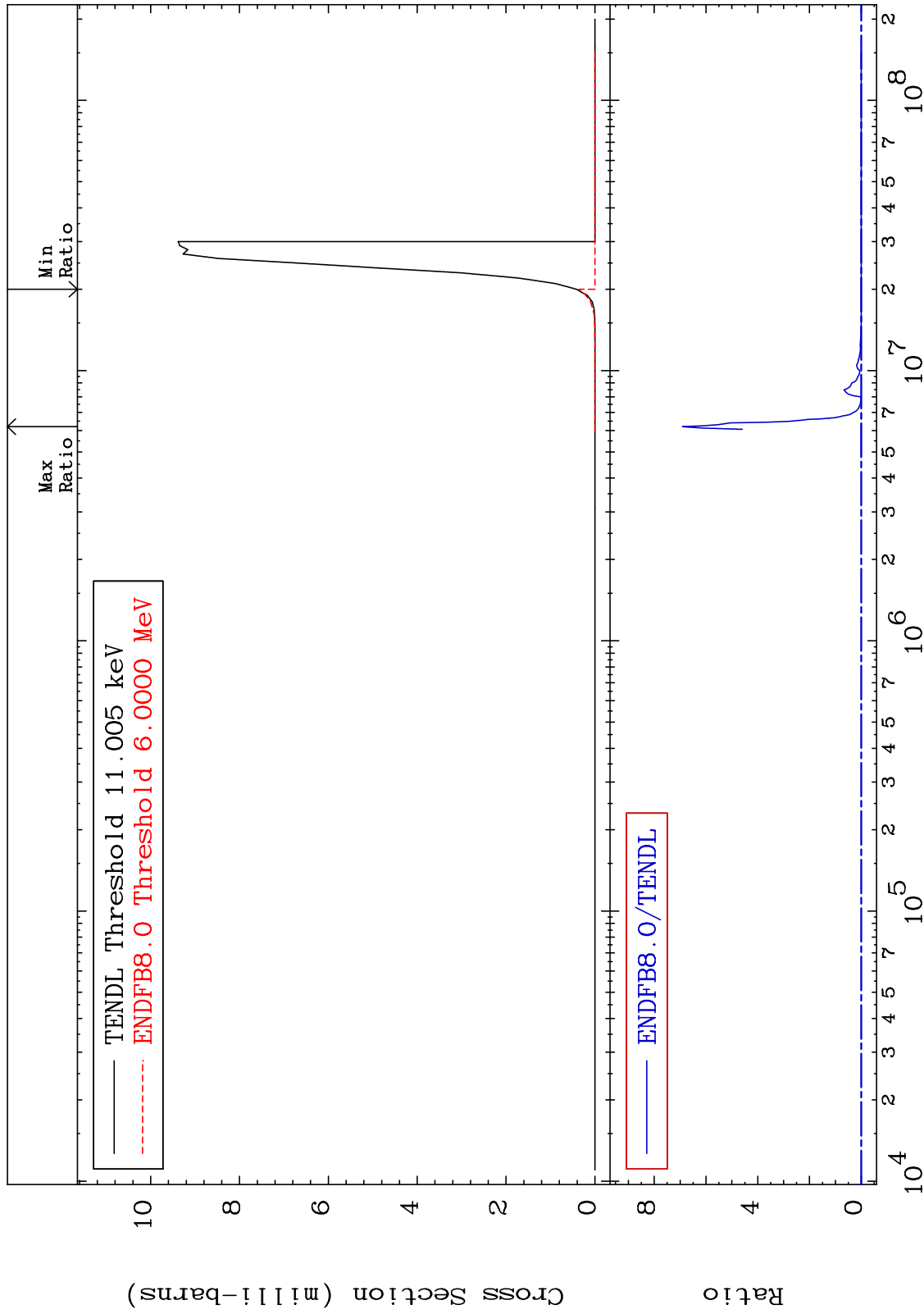
MAT 8037

(n, n') α

80-Hg-200

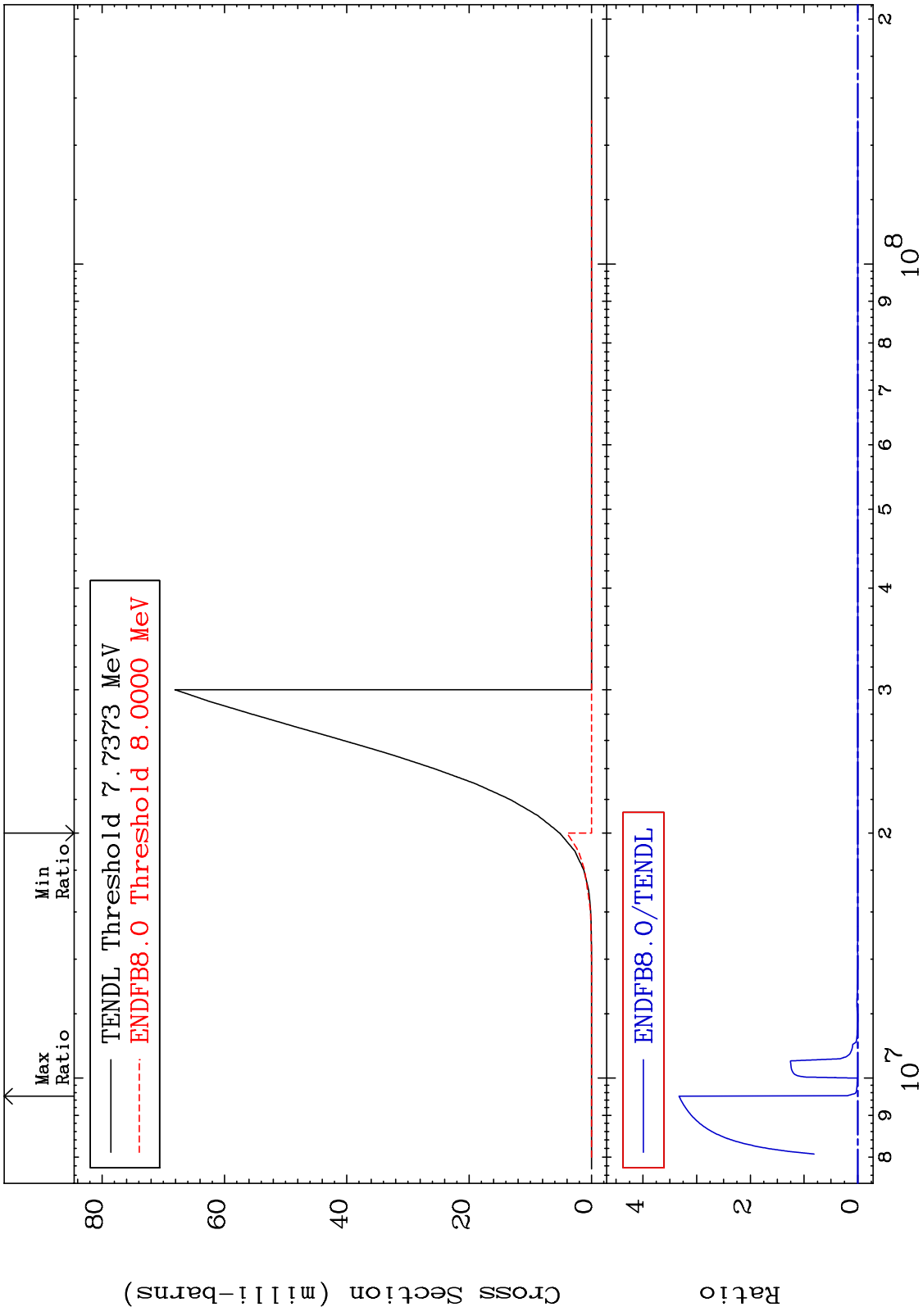
Cross Section

-100.0 To 9999. %



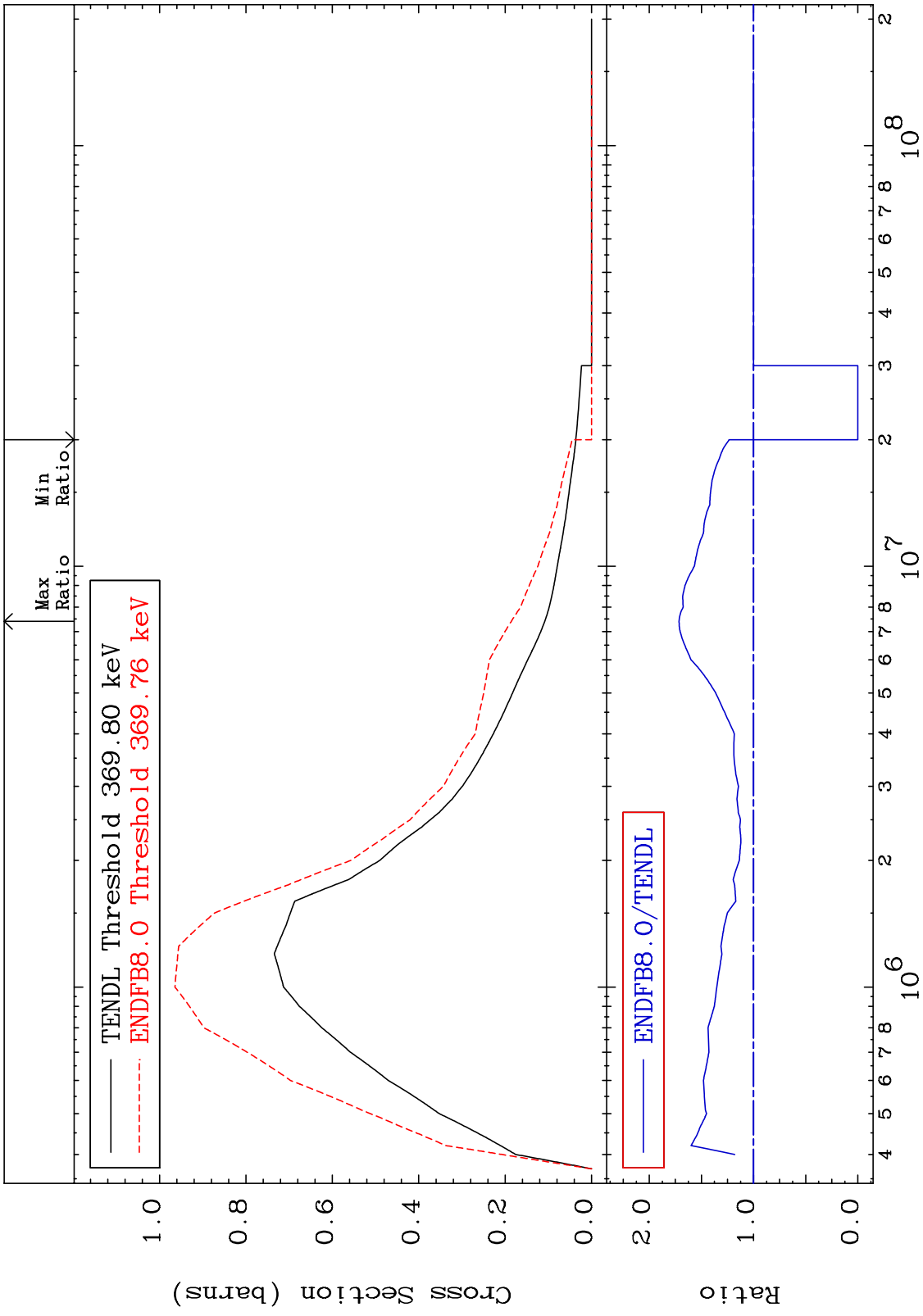
80-Hg-200

MAT 8037 (n,n') p 80-Hg-200
Cross Section -100.0 To 9999. %

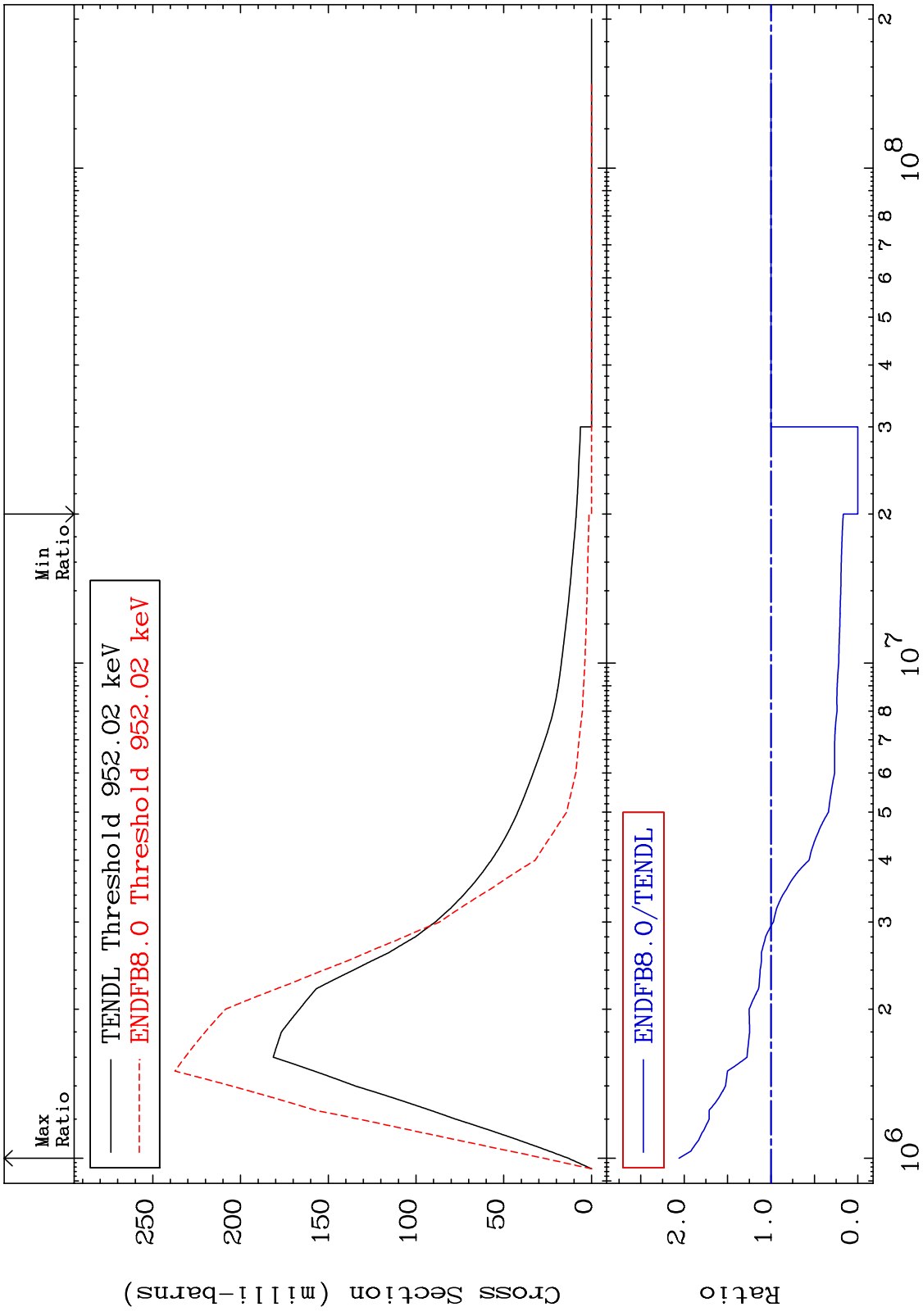


8 8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2

MAT 8037 MT= 51 (n,n') Level Cross Section 80-Hg-200 -100.0 To 71.47 %



MAT 8037 MT= 52 (n,n') Level Cross Section 80-Hg-200 -100.0 To 105.9 %

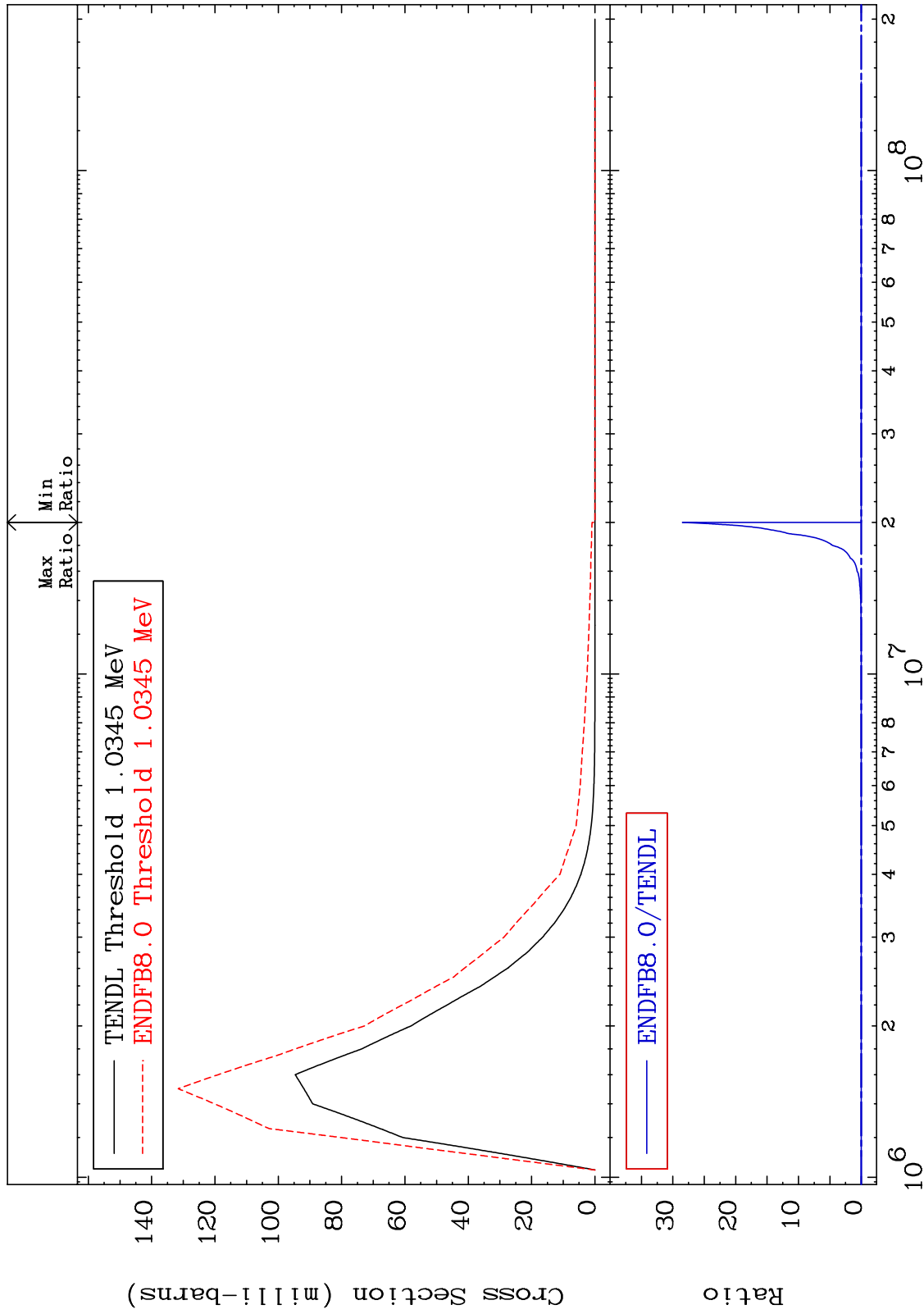


Incident Energy (eV) 80-Hg-200

MAT 8037

MT= 53 (n,n') Level
Cross Section

80-Hg-200
-100.0 To 9999. %

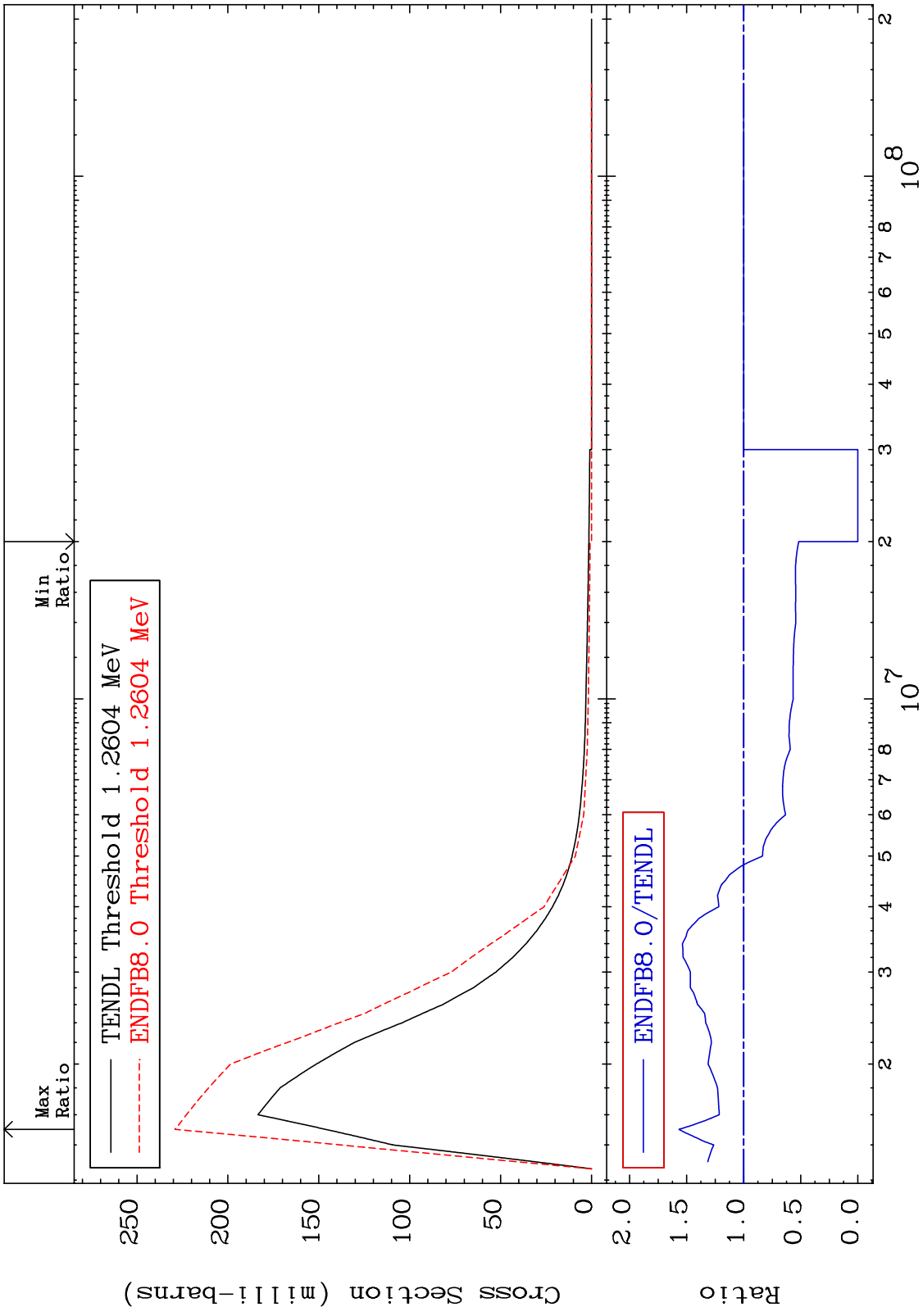


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Incident Energy (eV)

80-Hg-200

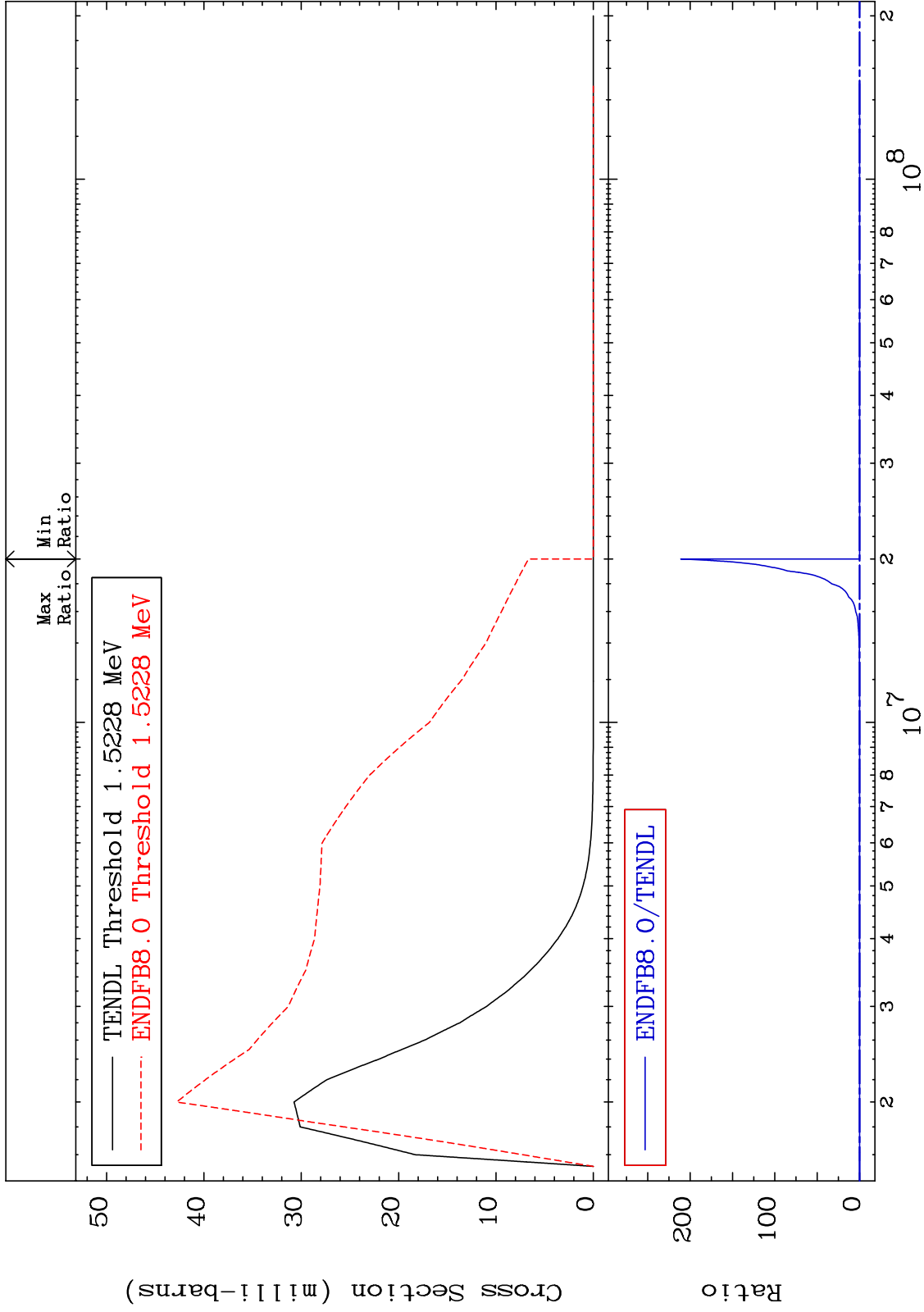
MAT 8037 MT= 54 (n,n') Level Cross Section -100.0 To 56.66 % 80-Hg-200



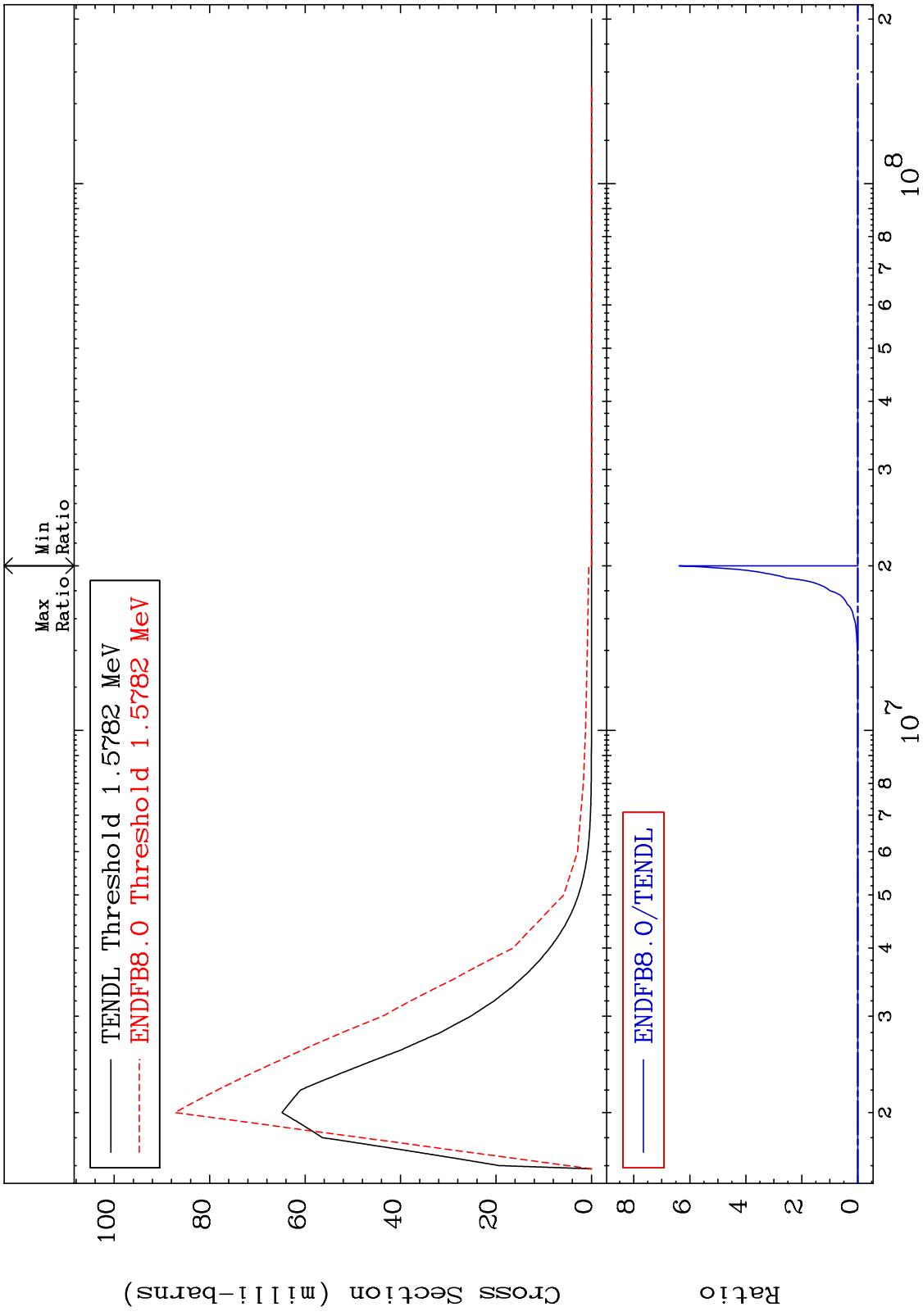
MAT 8037

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

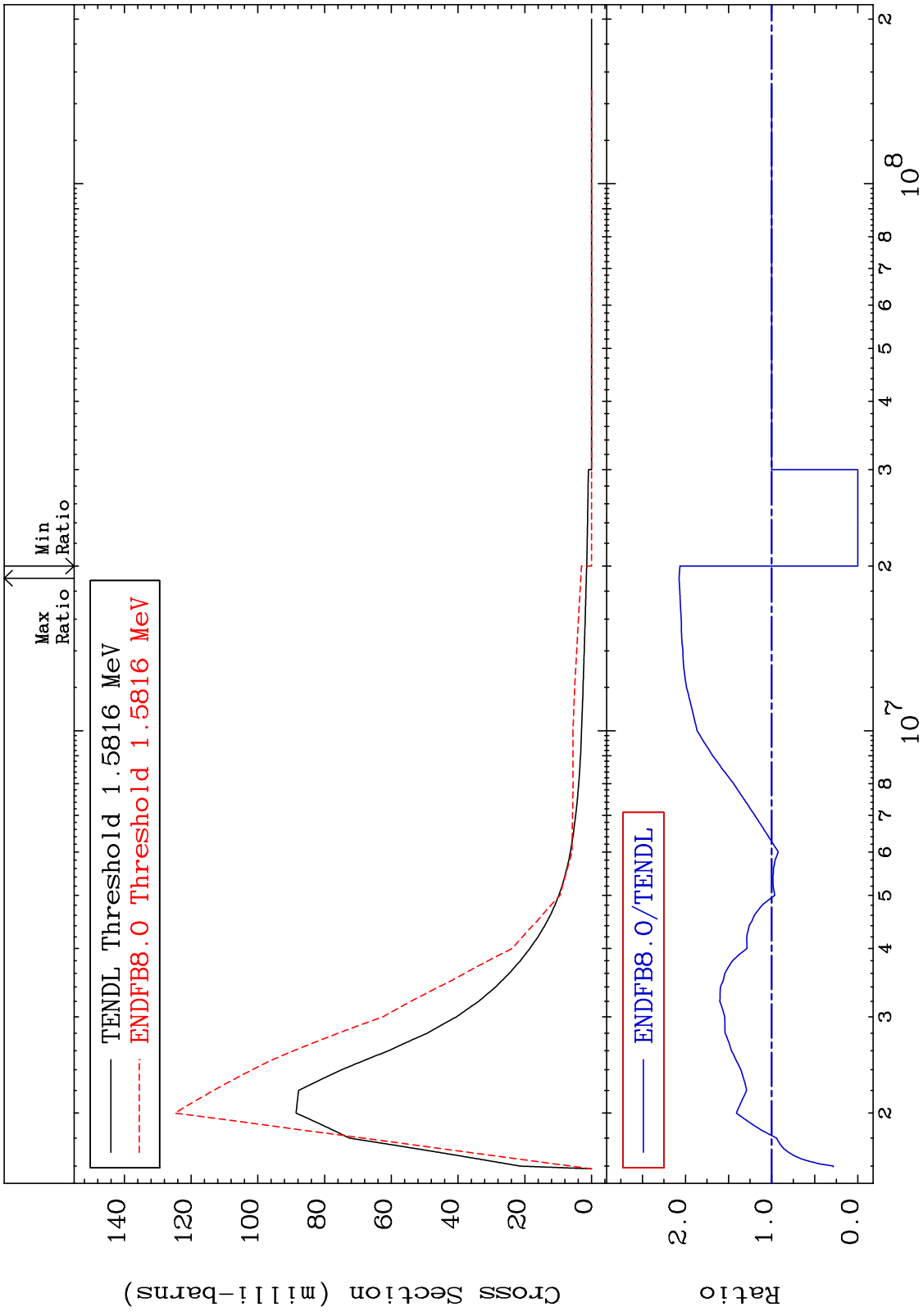
80-Hg-200
-100.0 To 9999. %



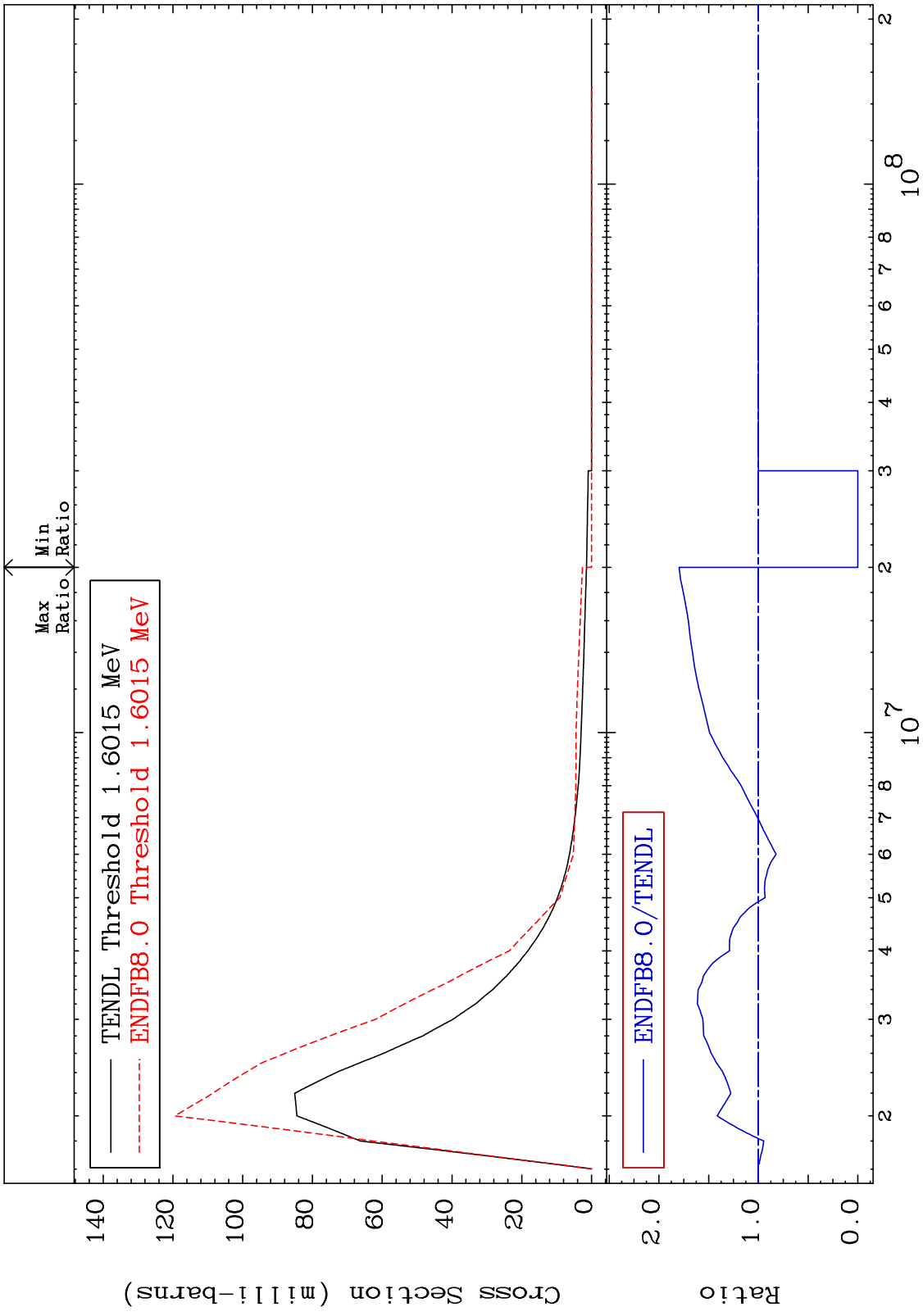
MAT 8037 MT= 56 (n,n') Level Cross Section 80-Hg-200 -100.0 To 9999. %



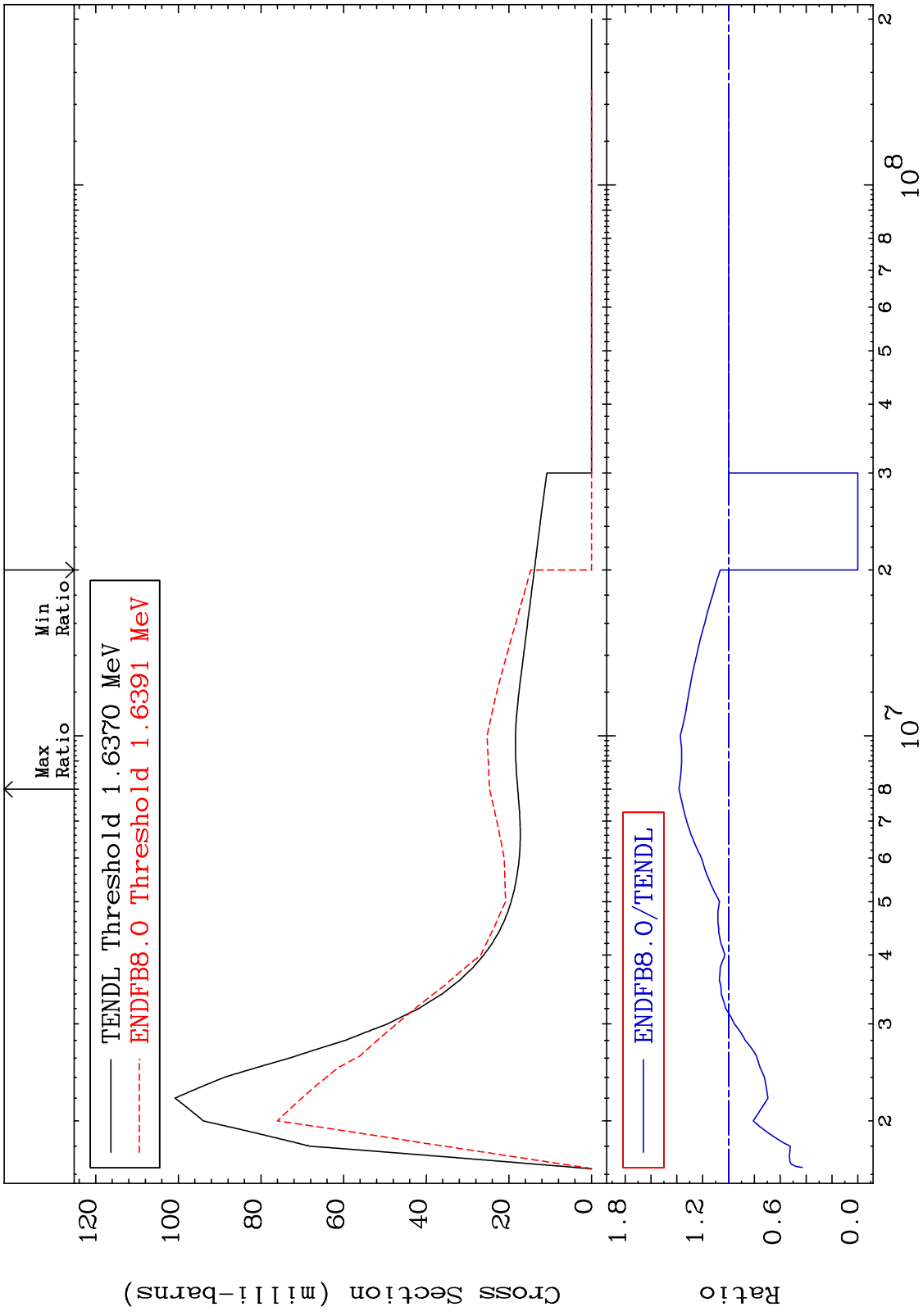
MAT 8037 MT= 57 (n,n') Level Cross Section -100.0 To 107.5 % 80-Hg-200



MAT 8037 MT= 58 (n,n') Level Cross Section -100.0 To 79.76 % 80-Hg-200



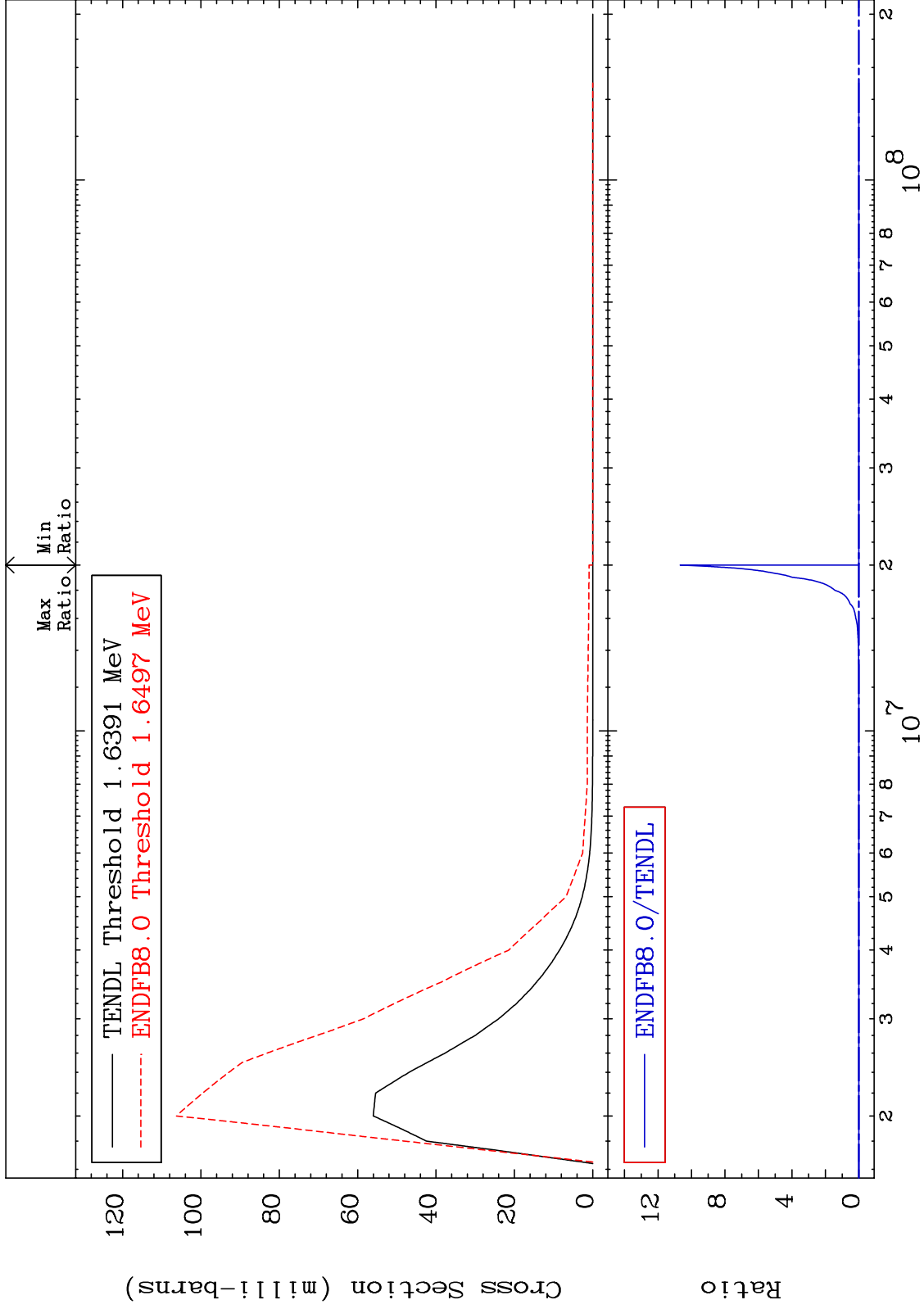
MAT 8037 MT= 59 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 38.29 %



MAT 8037

MT= 60 (n,n') Level
Cross Section

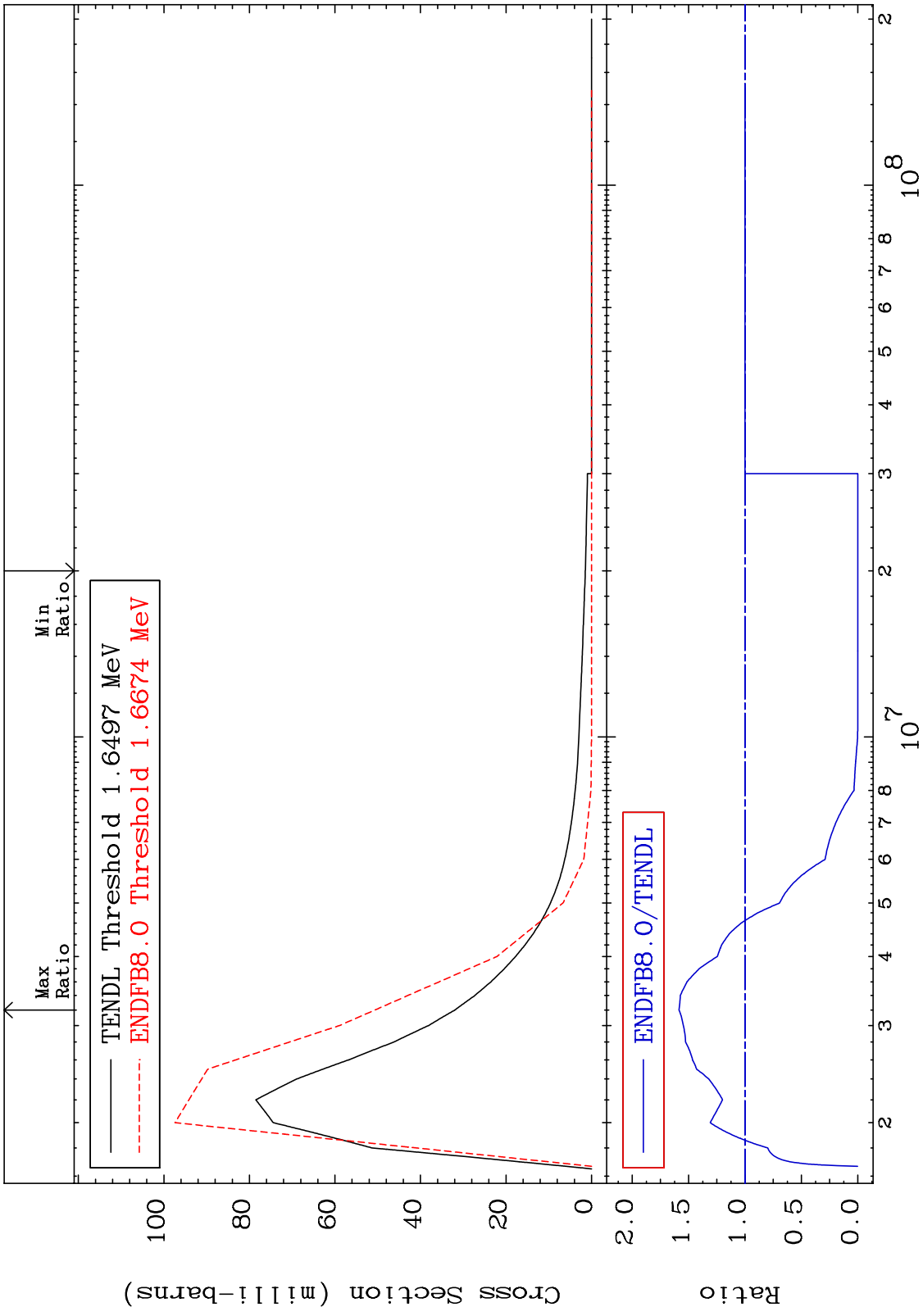
80-Hg-200
-100.0 To 9999. %



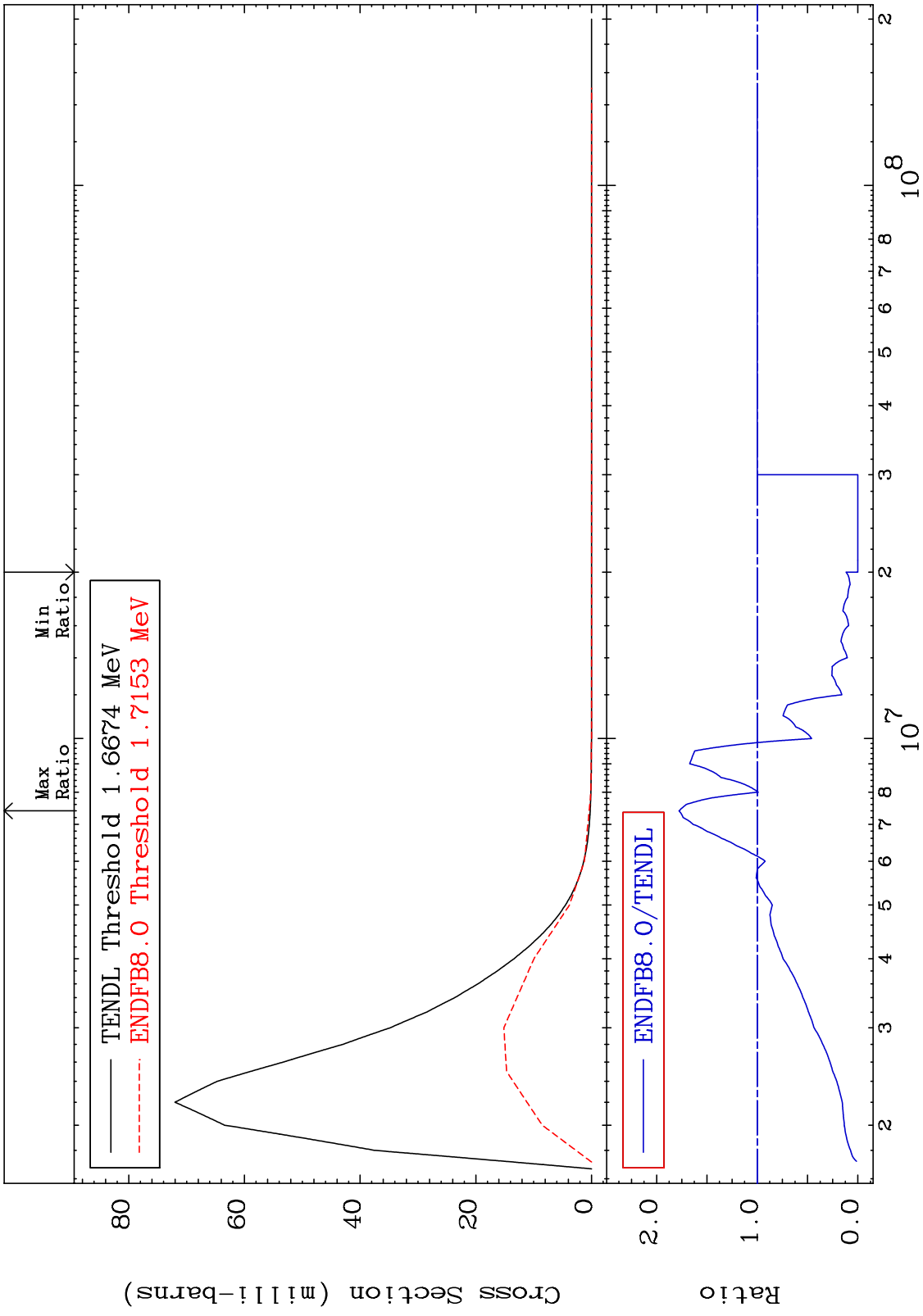
18

80-Hg-200

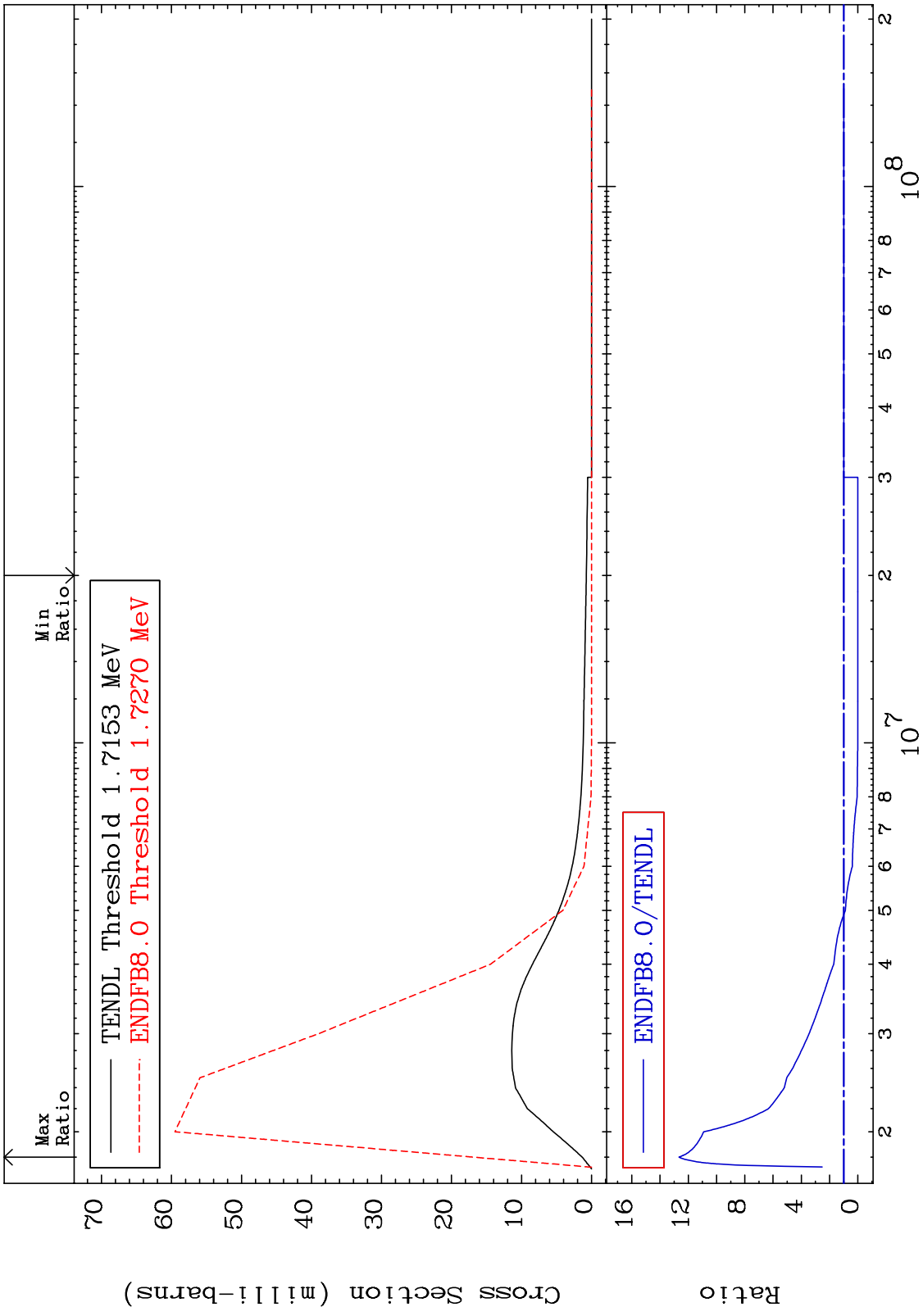
MAT 8037 MT= 61 (n,n') Level Cross Section -100.0 To 58.50 % 80-Hg-200



MAT 8037 MT= 62 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 77.69 %



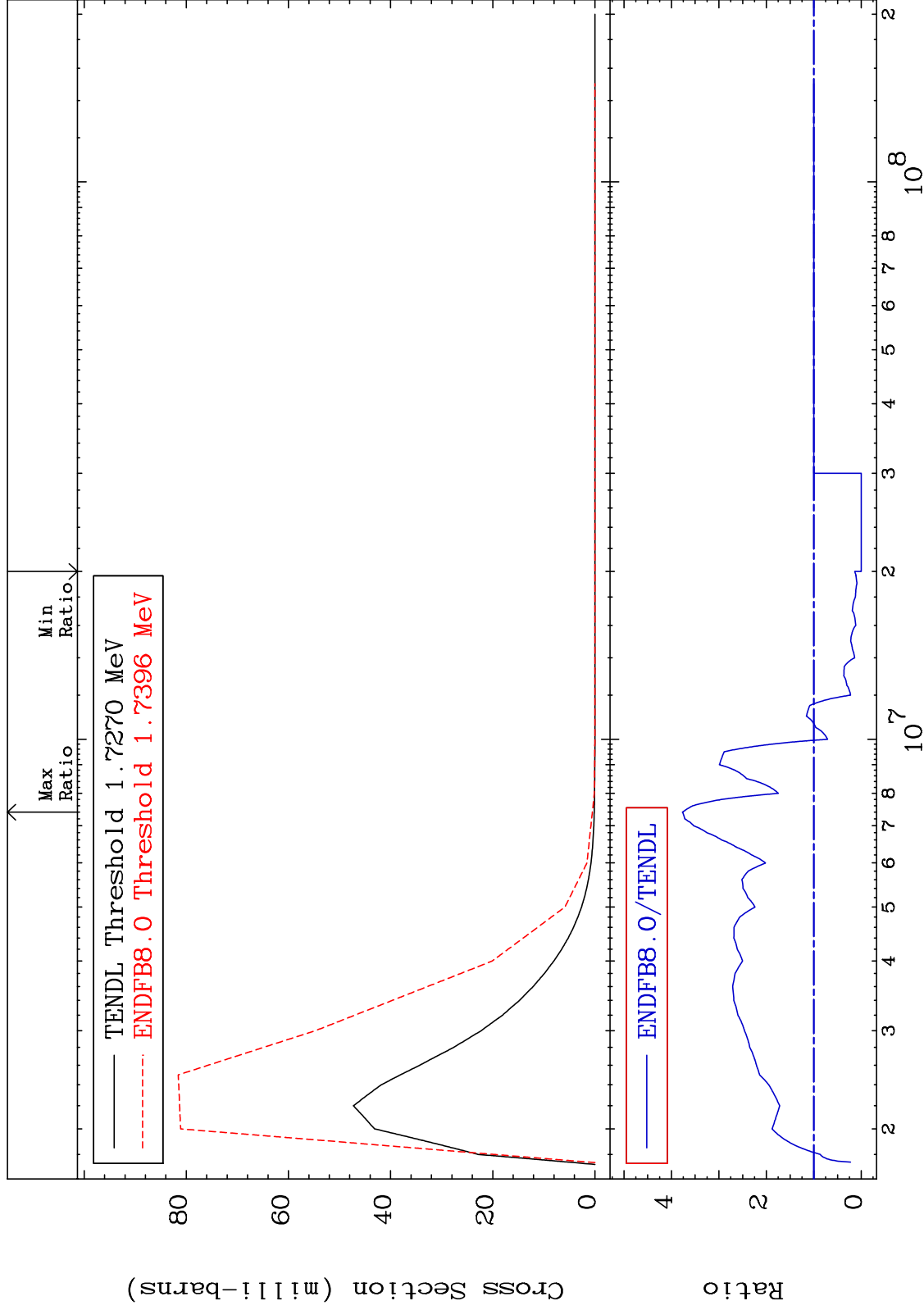
MAT 8037 MT= 63 (n,n') Level Cross Section -100.0 To 1165. % 80-Hg-200



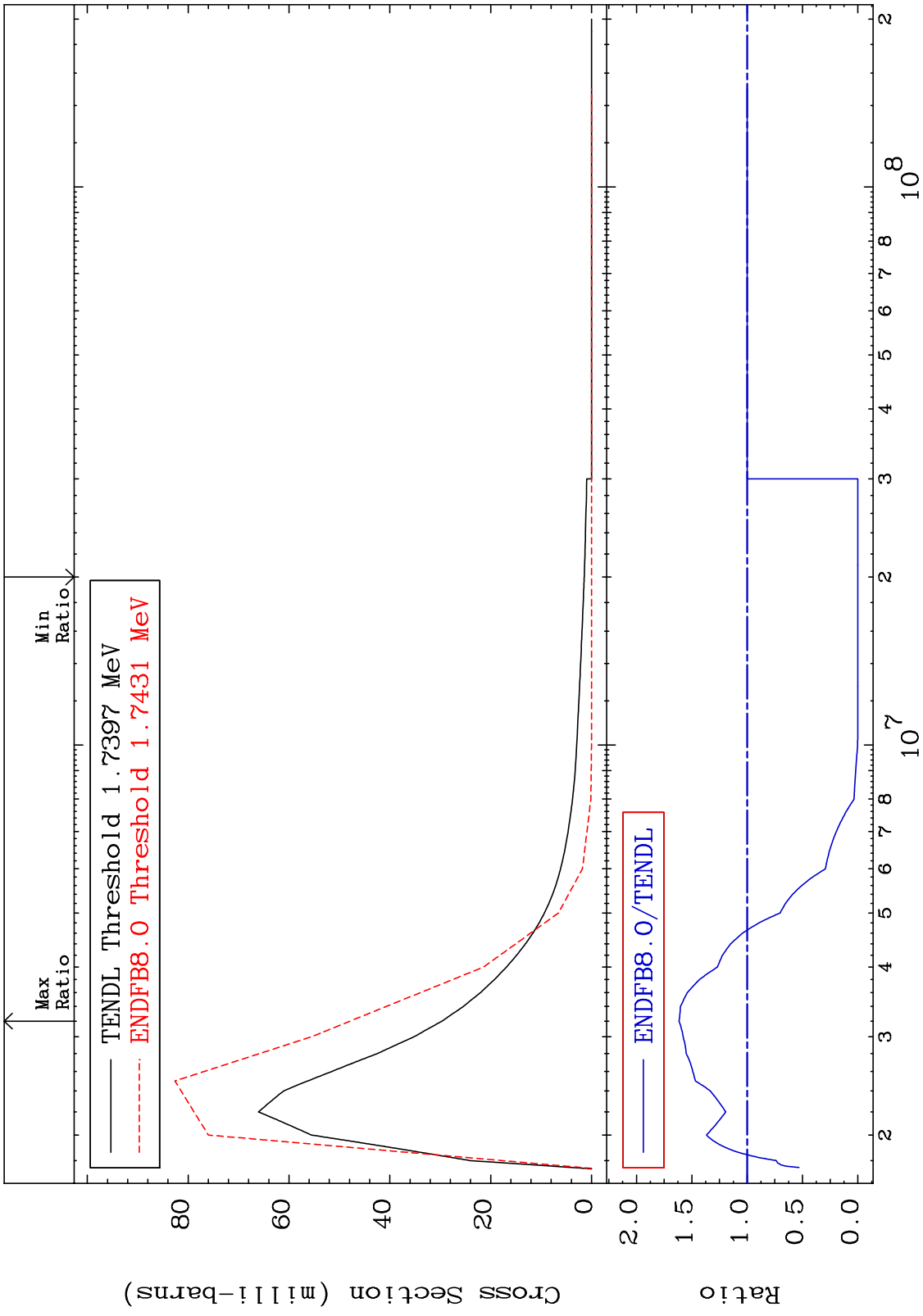
MAT 8037

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

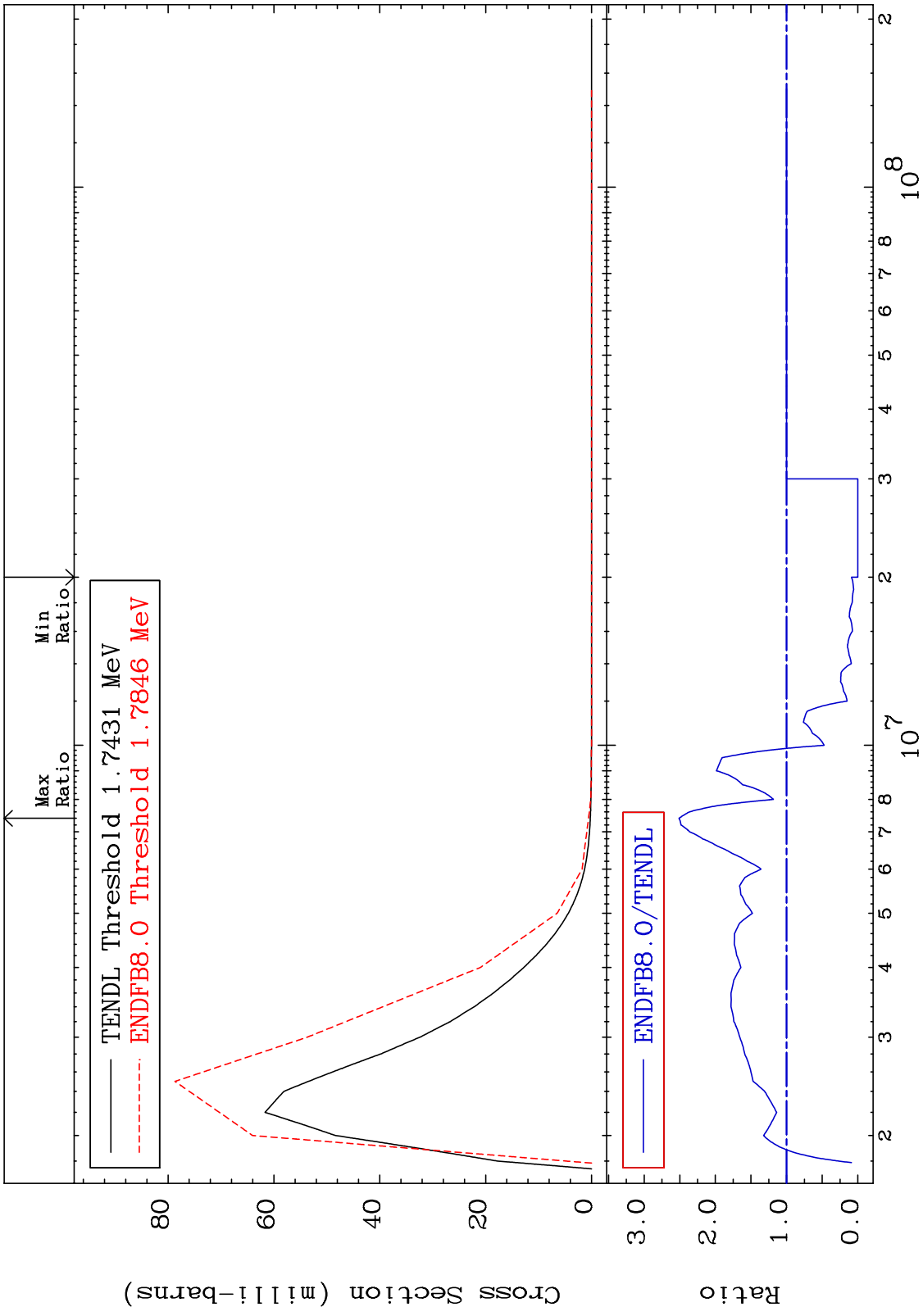
80-Hg-200
-100.0 To 276.8 %



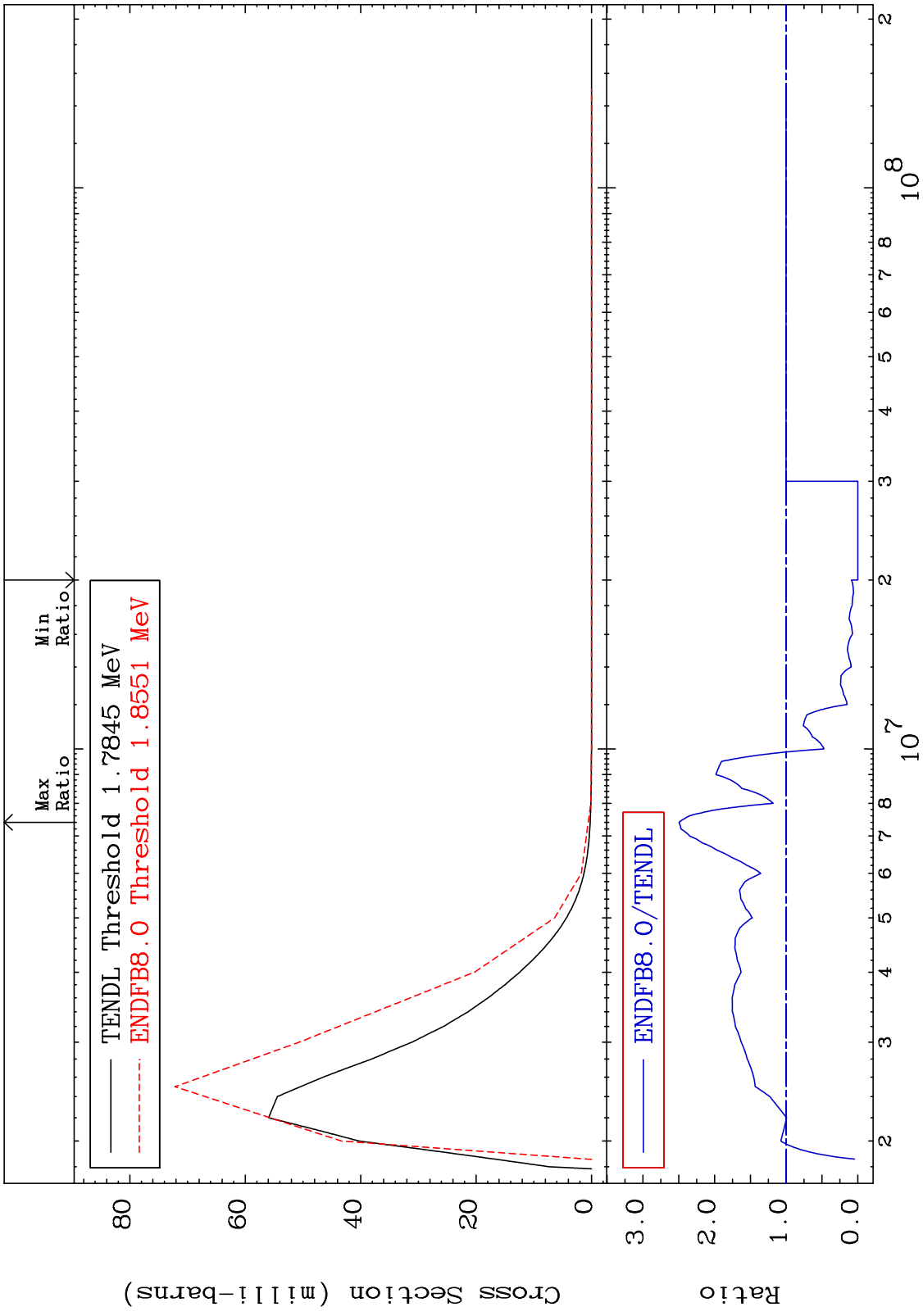
MAT 8037 MT= 65 (n,n') Level Cross Section -100.0 To 61.54 % 80-Hg-200



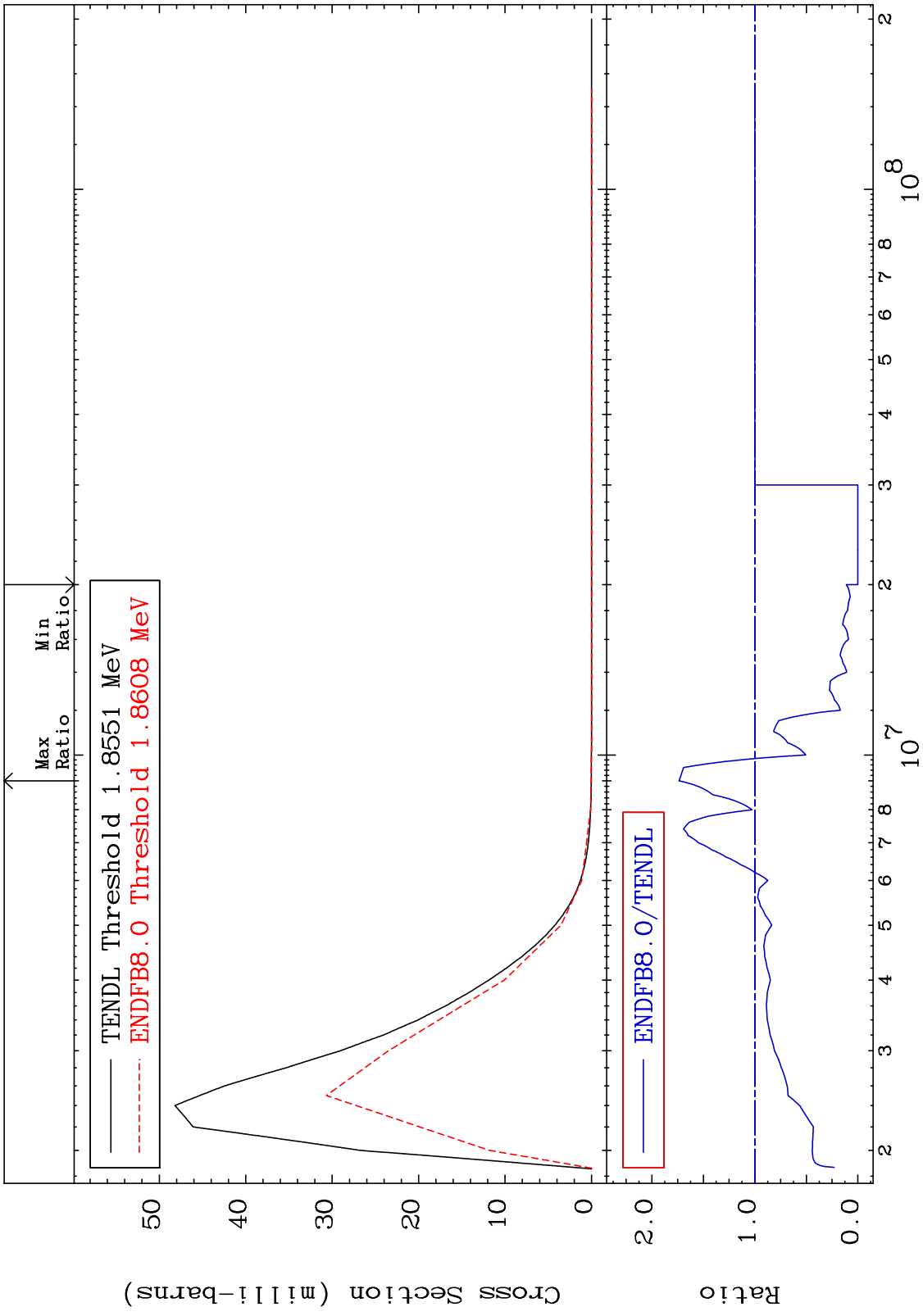
MAT 8037 MT= 66 (n,n') Level Cross Section -100.0 To 151.0 % 80-Hg-200



MAT 8037 MT= 67 (n,n') Level Cross Section -100.0 To 149.6 % 80-Hg-200

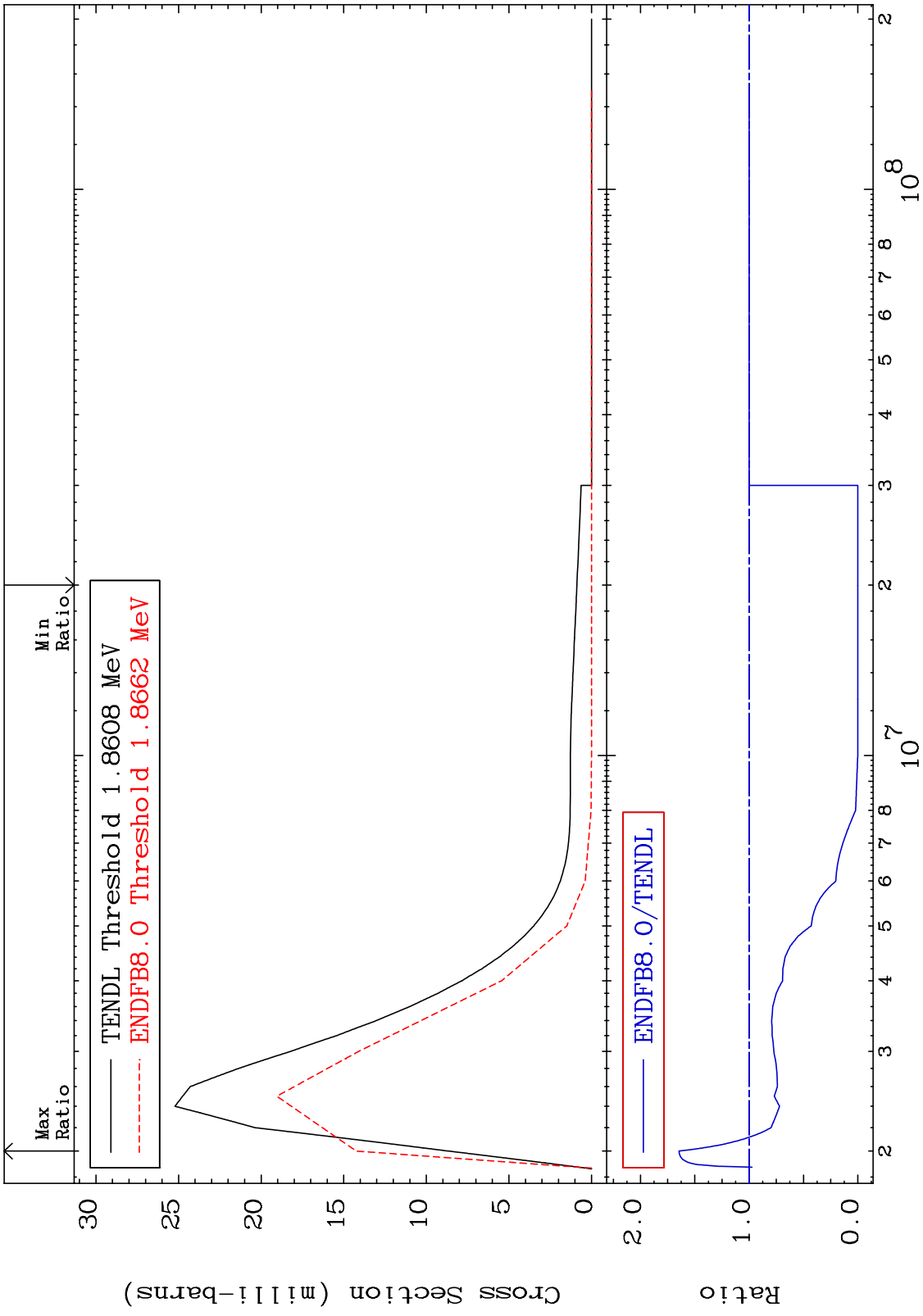


MAT 8037 MT= 68 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 73.62 %

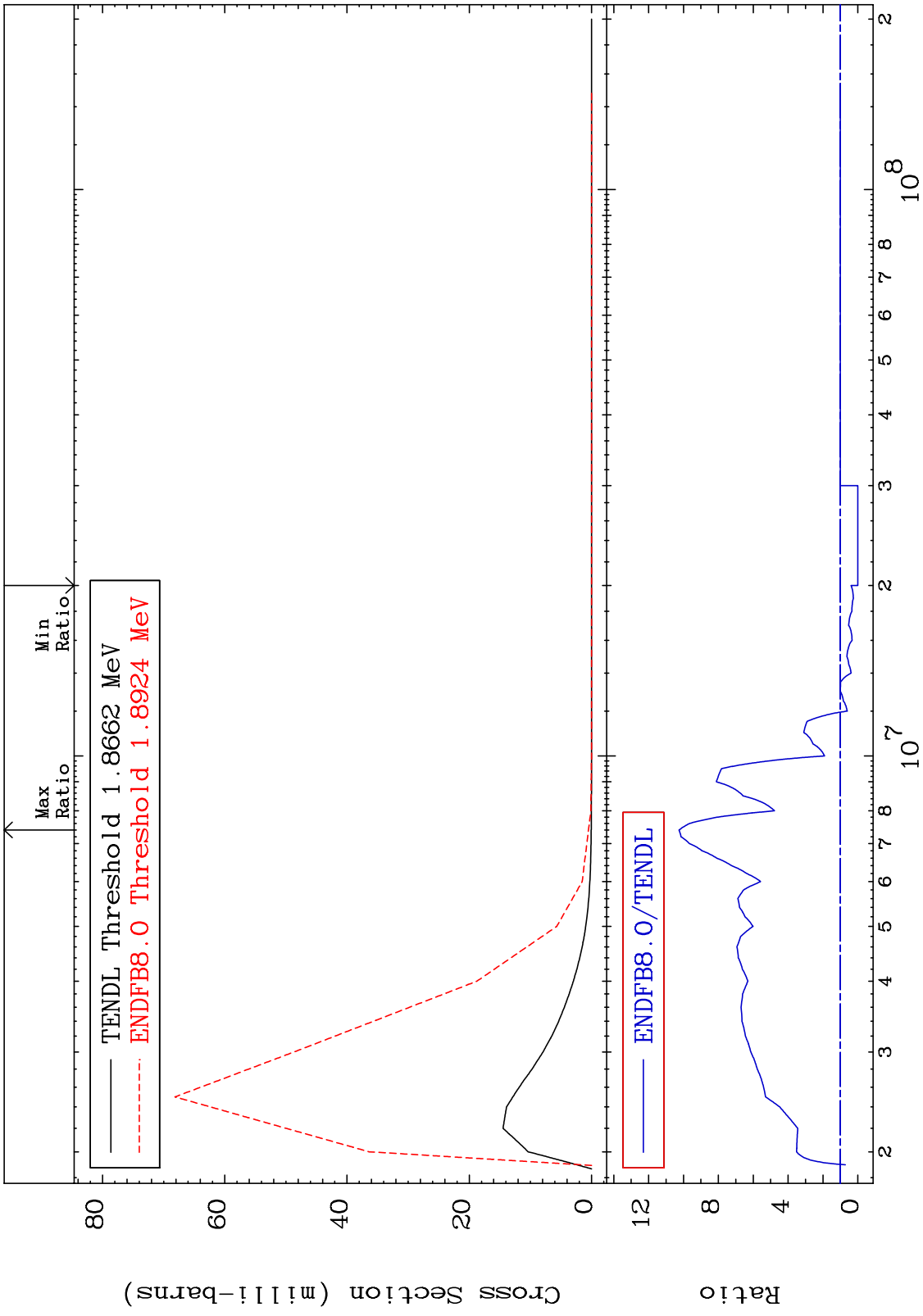


26 80-Hg-200

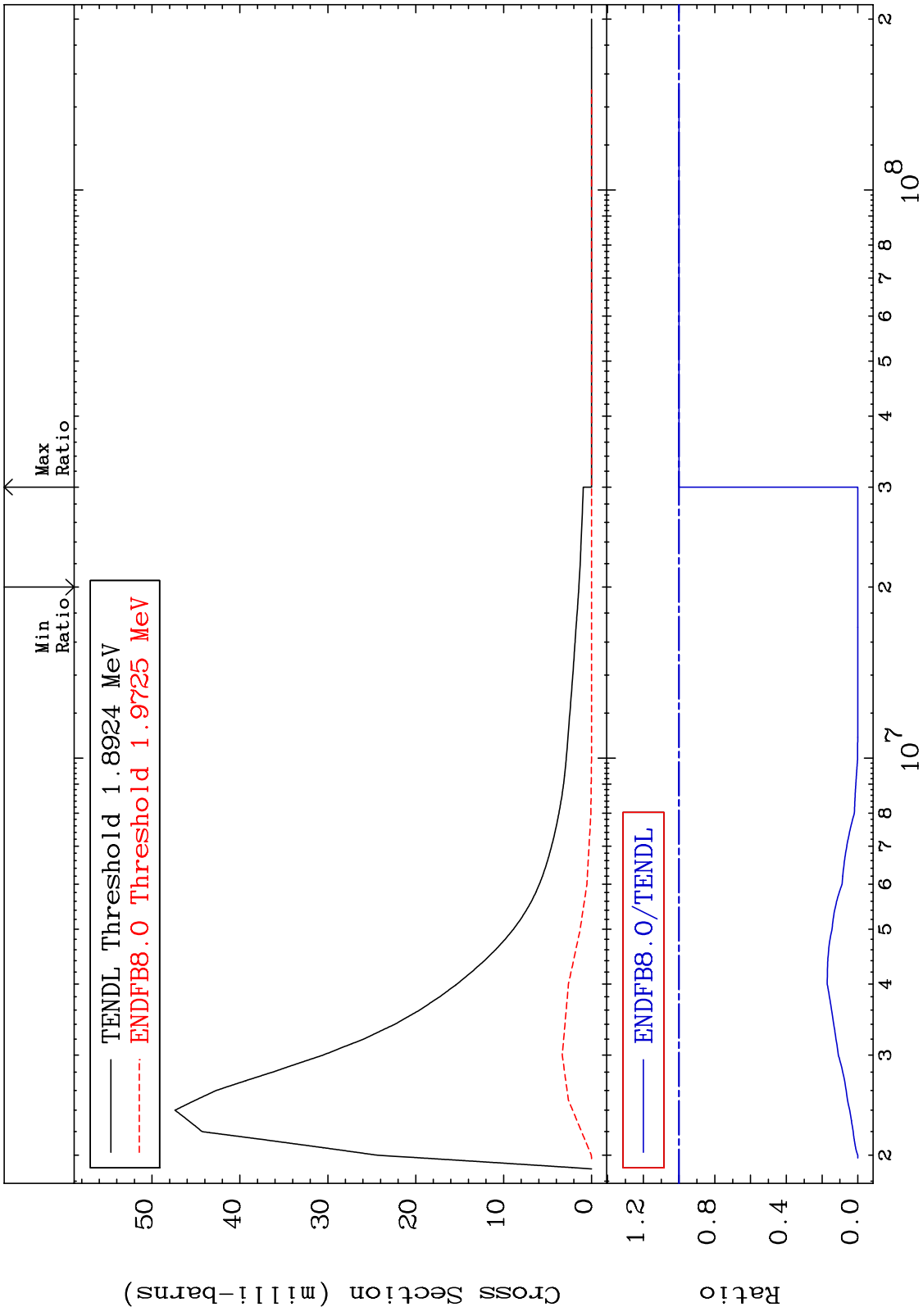
MAT 8037 MT= 69 (n,n') Level Cross Section -100.0 To 64.51 % 80-Hg-200



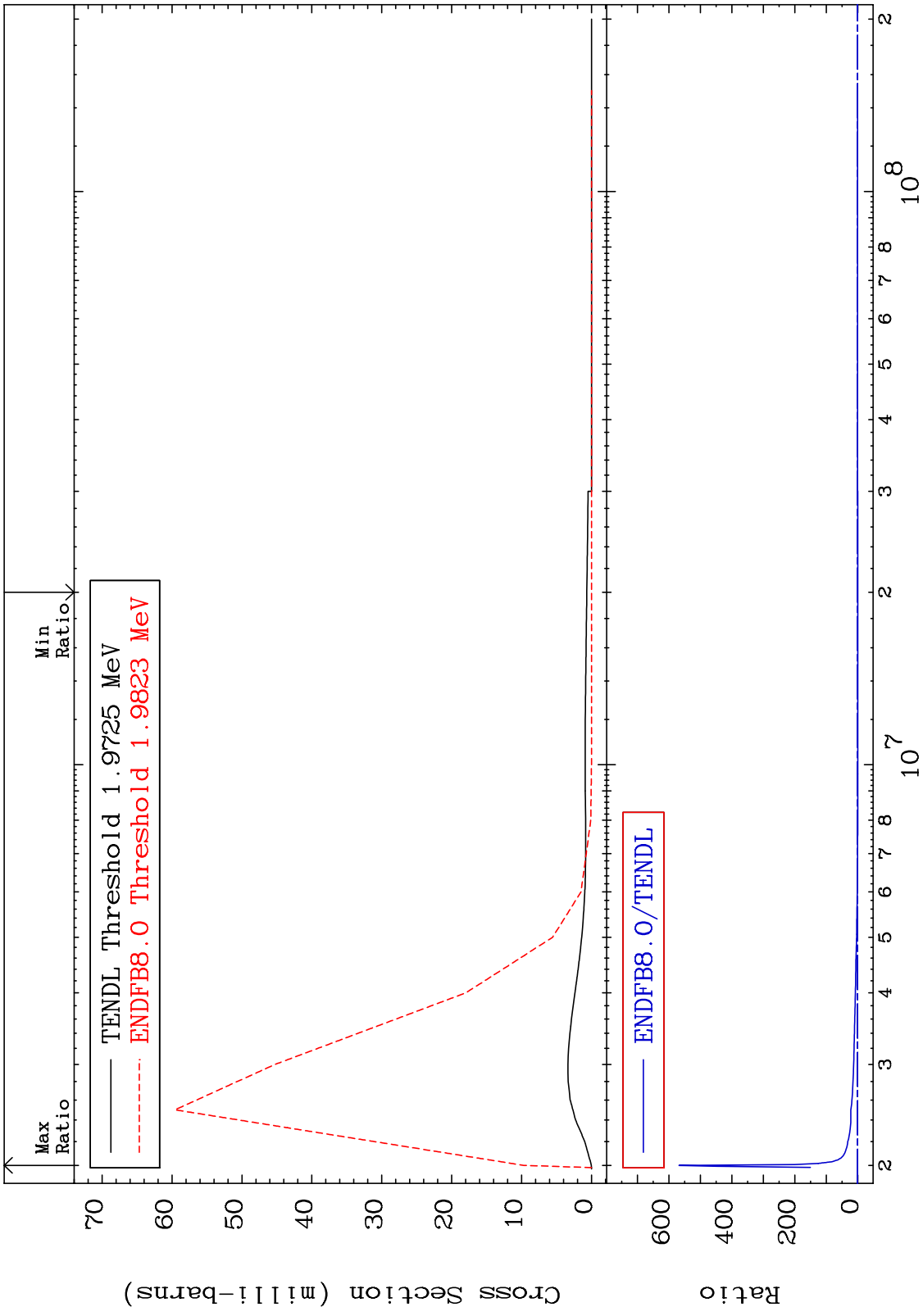
MAT 8037 MT= 70 (n,n') Level Cross Section -100.0 To 925.6 % 80-Hg-200



MAT 8037 MT= 71 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 0.000 %

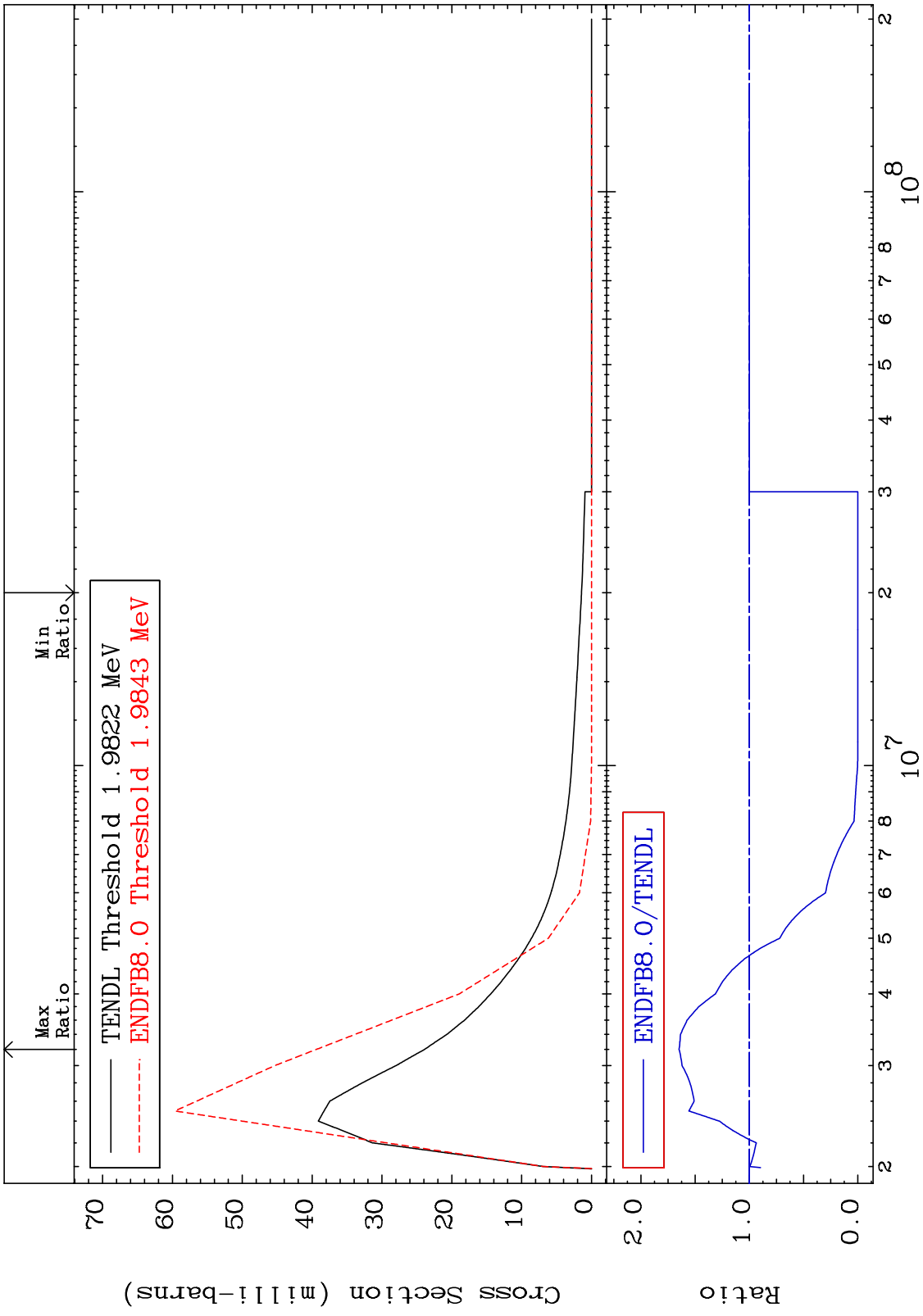


MAT 8037 MT= 72 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 9999. %

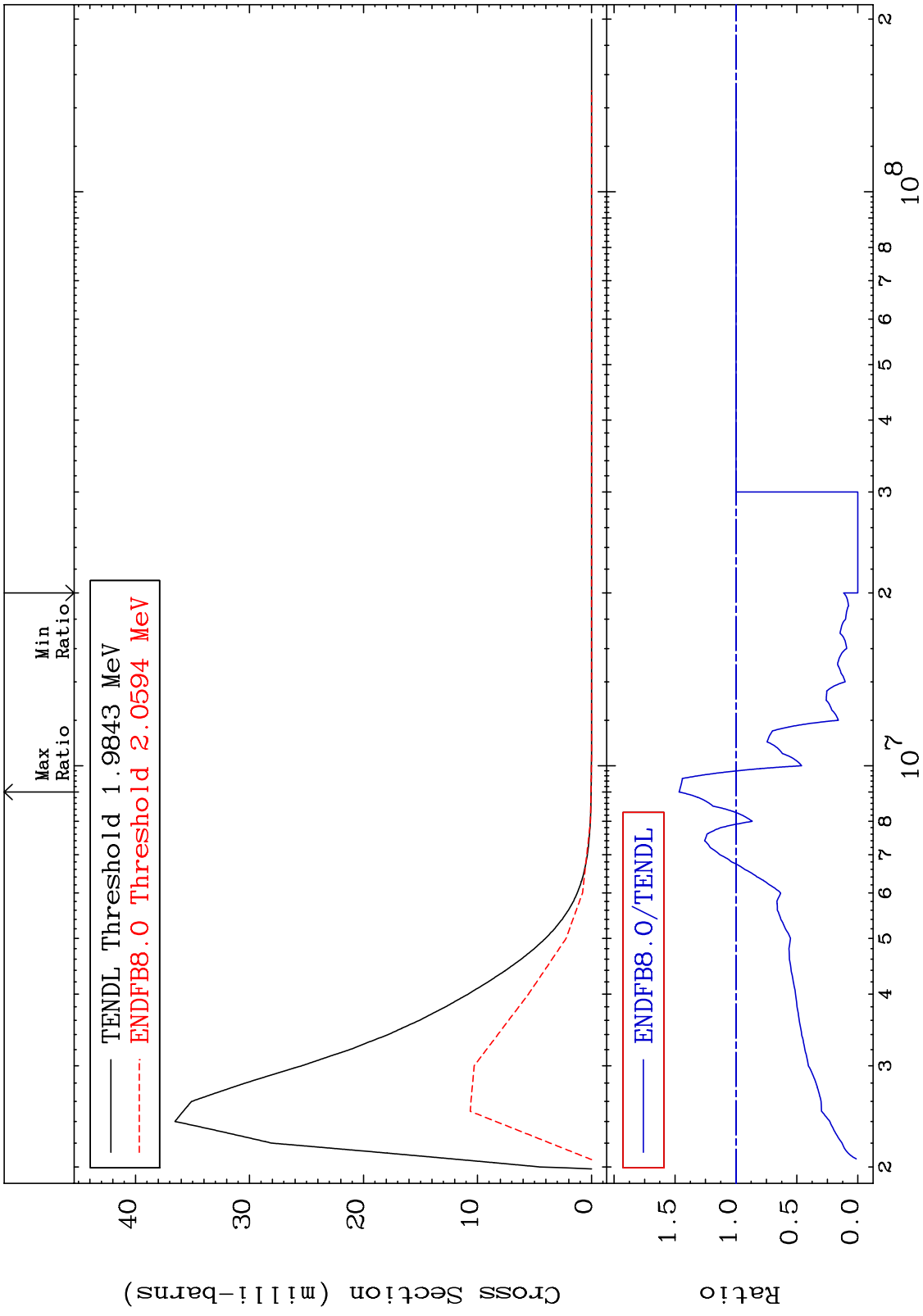


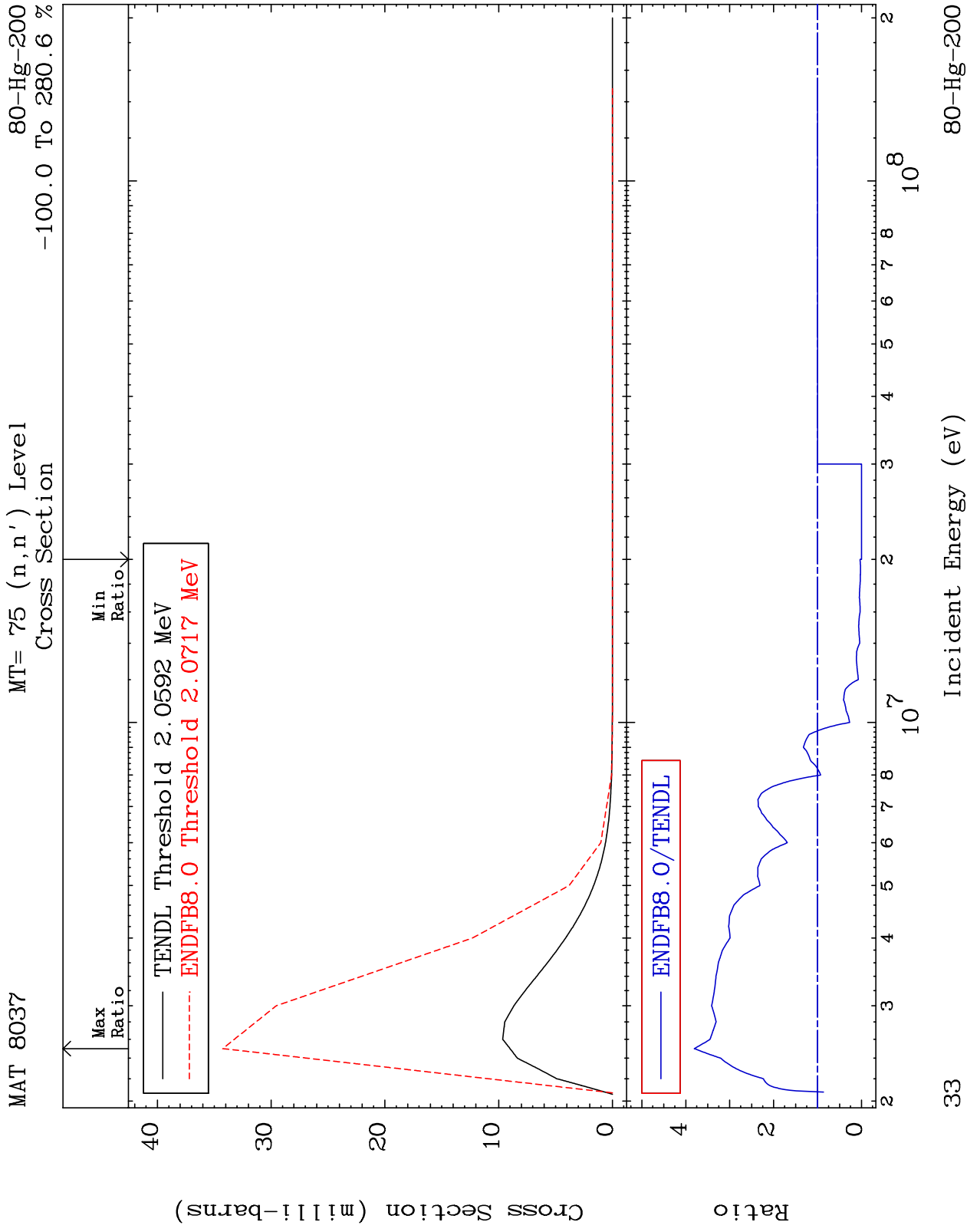
30 Incident Energy (eV) 80-Hg-200

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

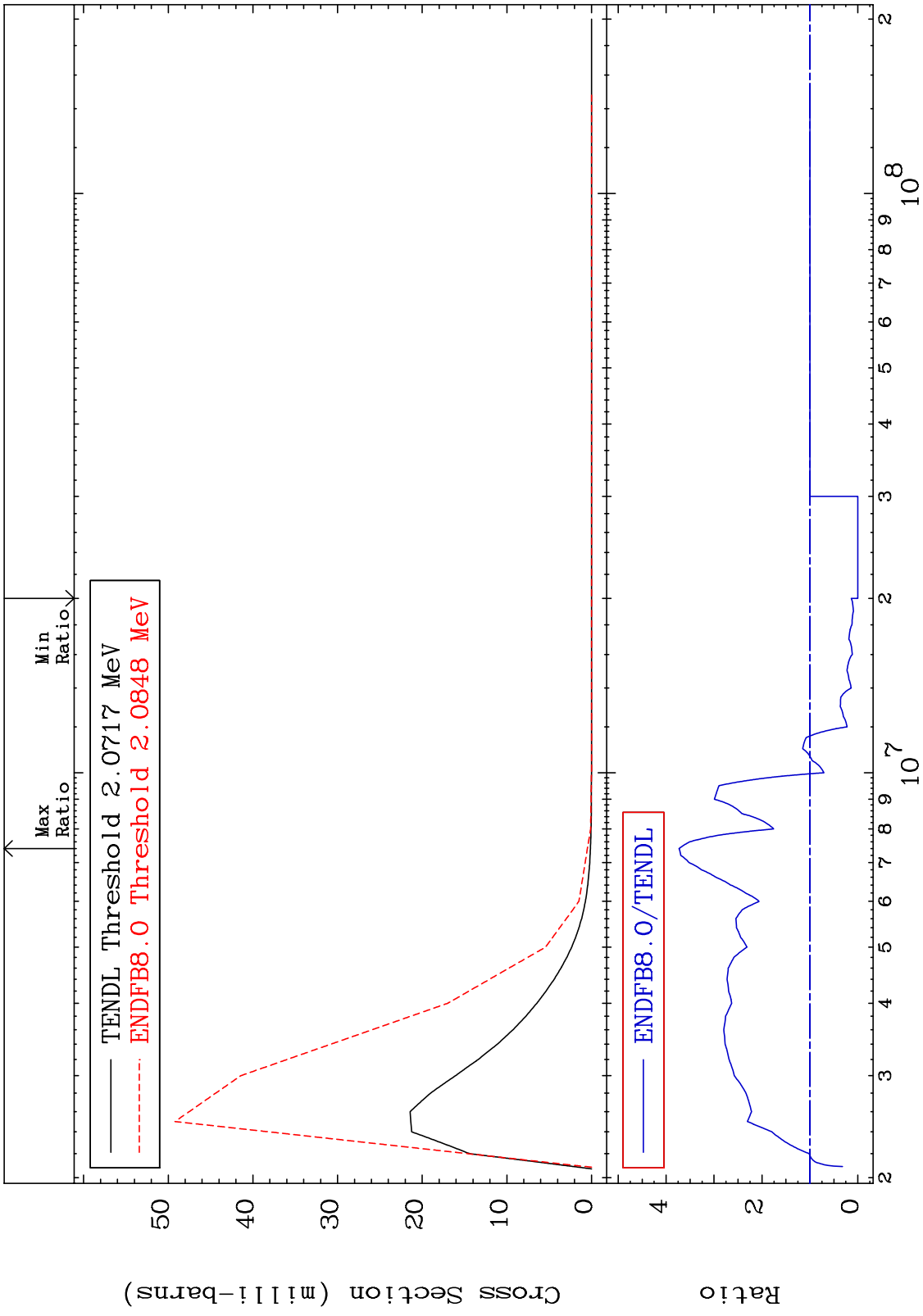


MAT 8037 MT= 74 (n,n') Level Cross Section -100.0 To 46.70 % 80-Hg-200

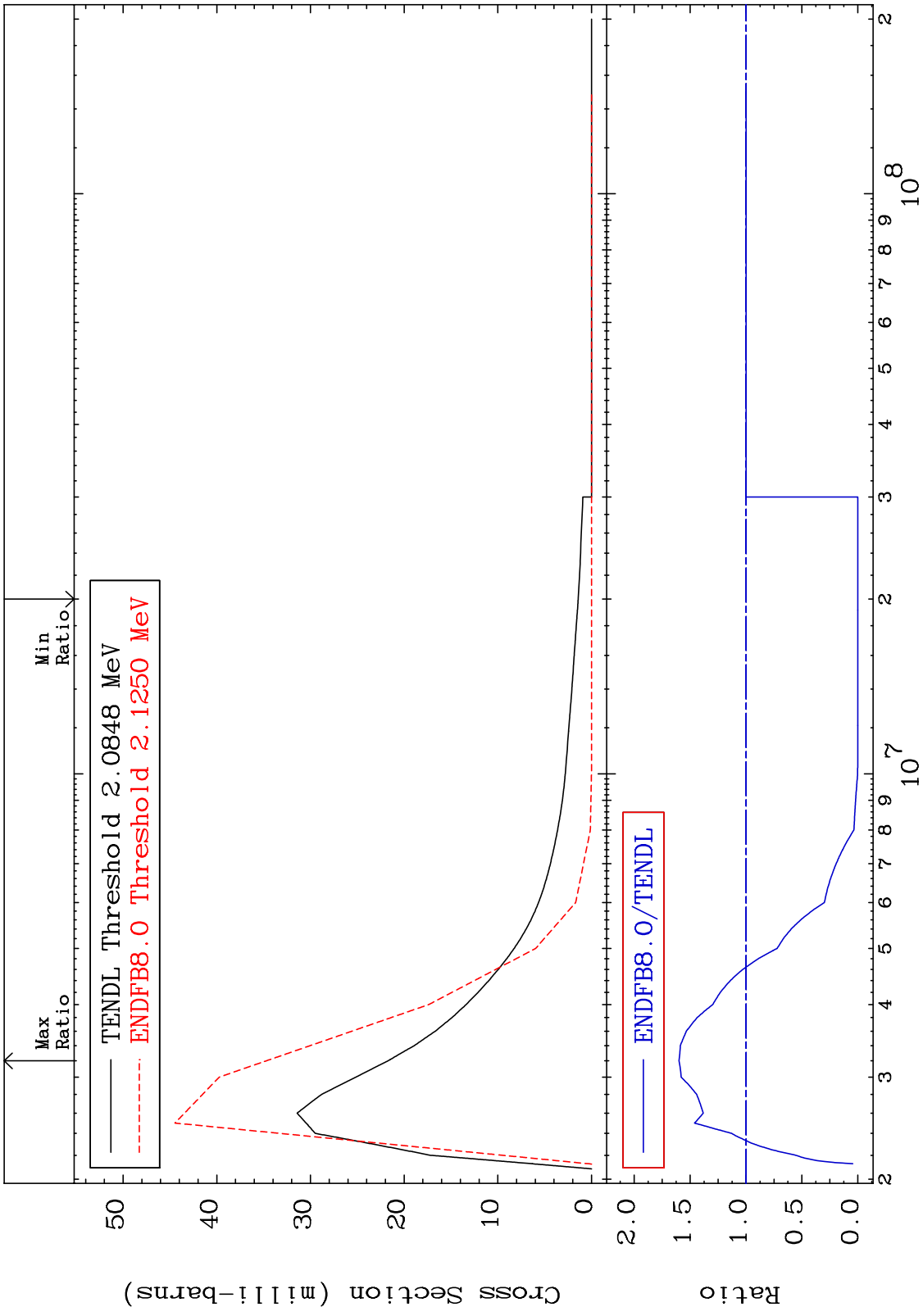




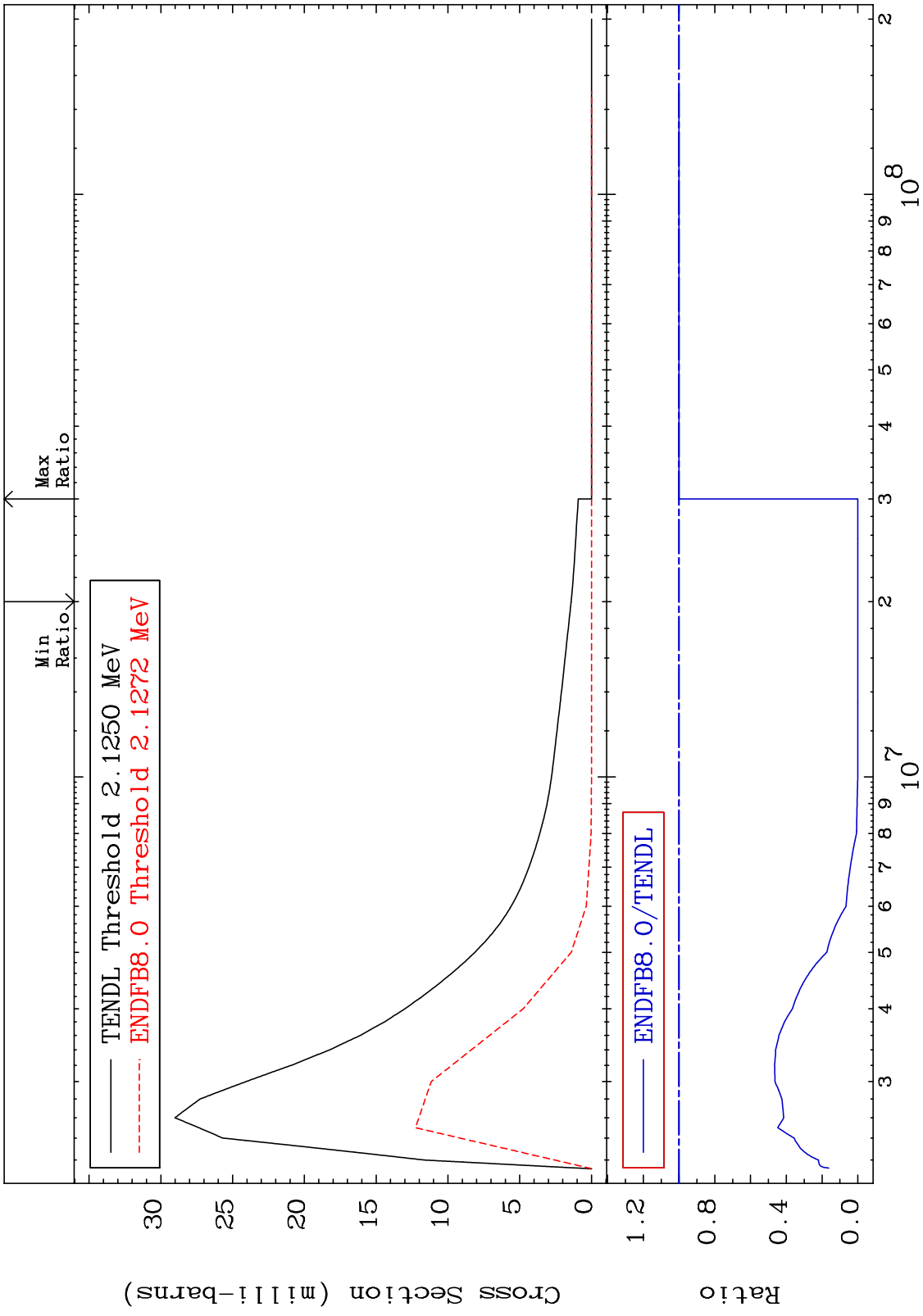
MAT 8037 MT= 76 (n,n') Level Cross Section -100.0 To 273.0 % 80-Hg-200



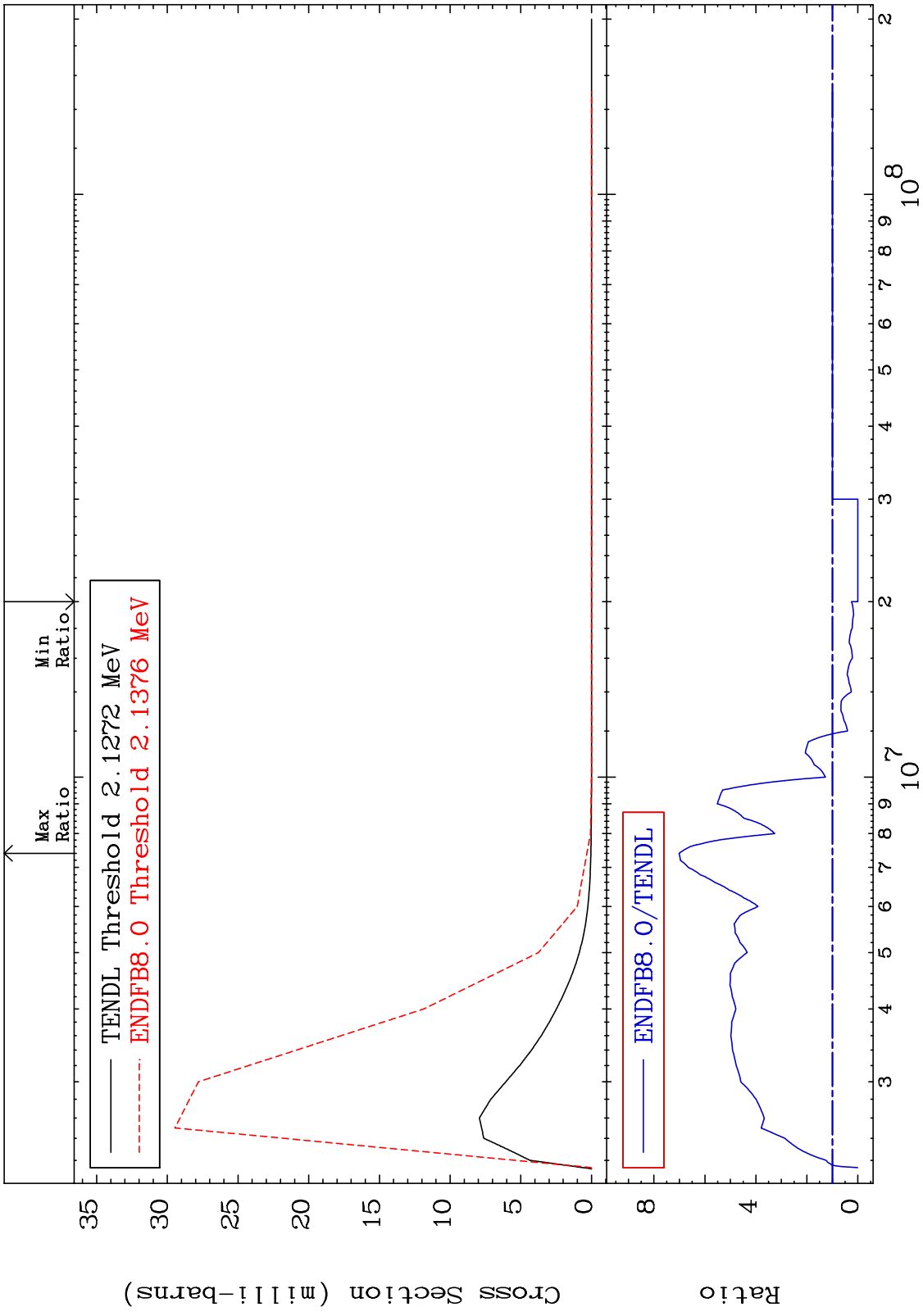
MAT 8037 MT= 77 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 59.87 %



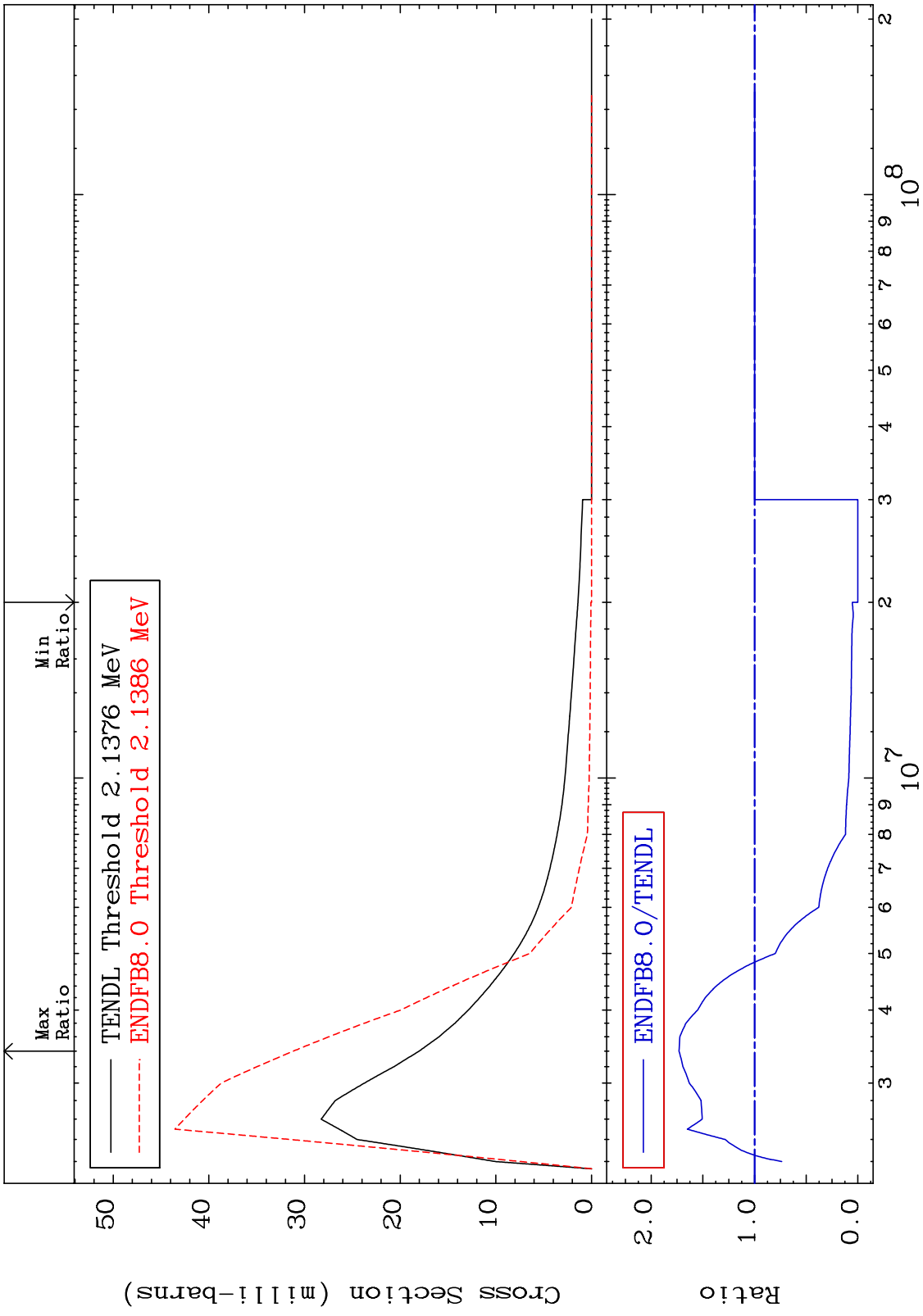
MAT 8037 MT= 78 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 0.000 %



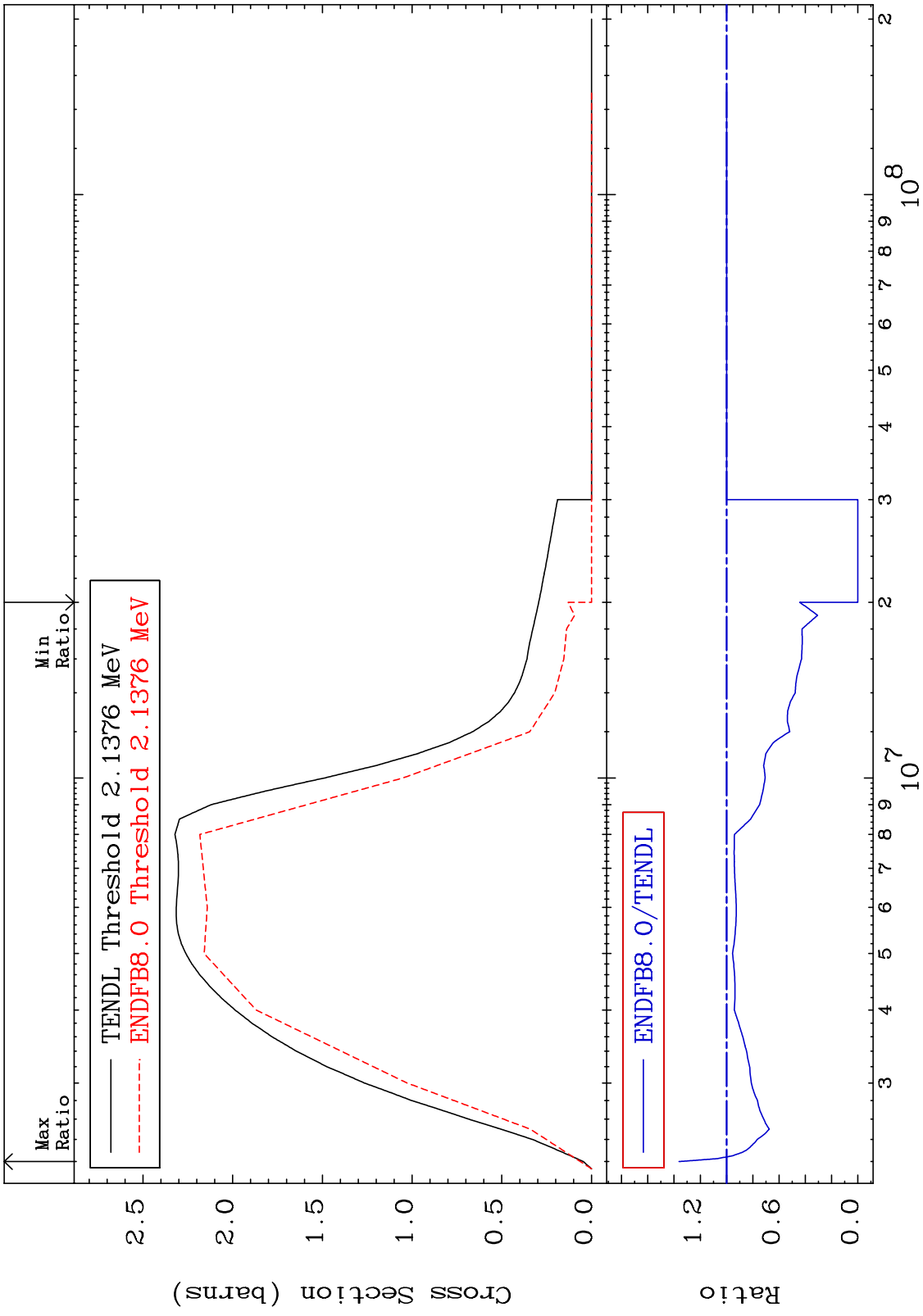
MAT 8037 MT= 79 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 601.5 %



MAT 8037 MT= 80 (n,n') Level Cross Section 80-Hg-200
 -100.0 To 73.08 %



MAT 8037 (n,n') Continuum Cross Section 80-Hg-200 -100.0 To 36.19 %



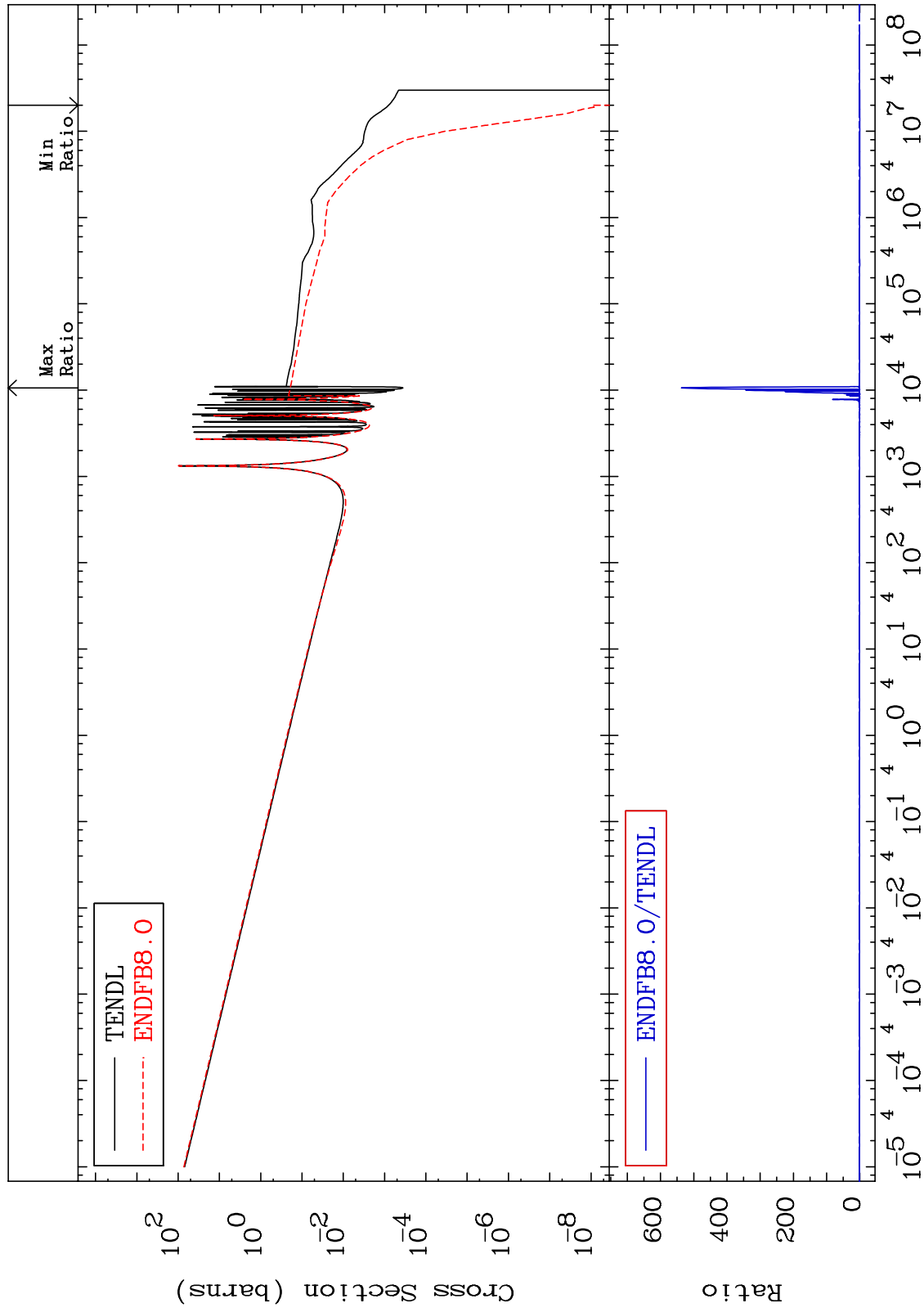
MAT 8037

(n, γ)

80-Hg-200

Cross Section

-100.0 To 9999. %

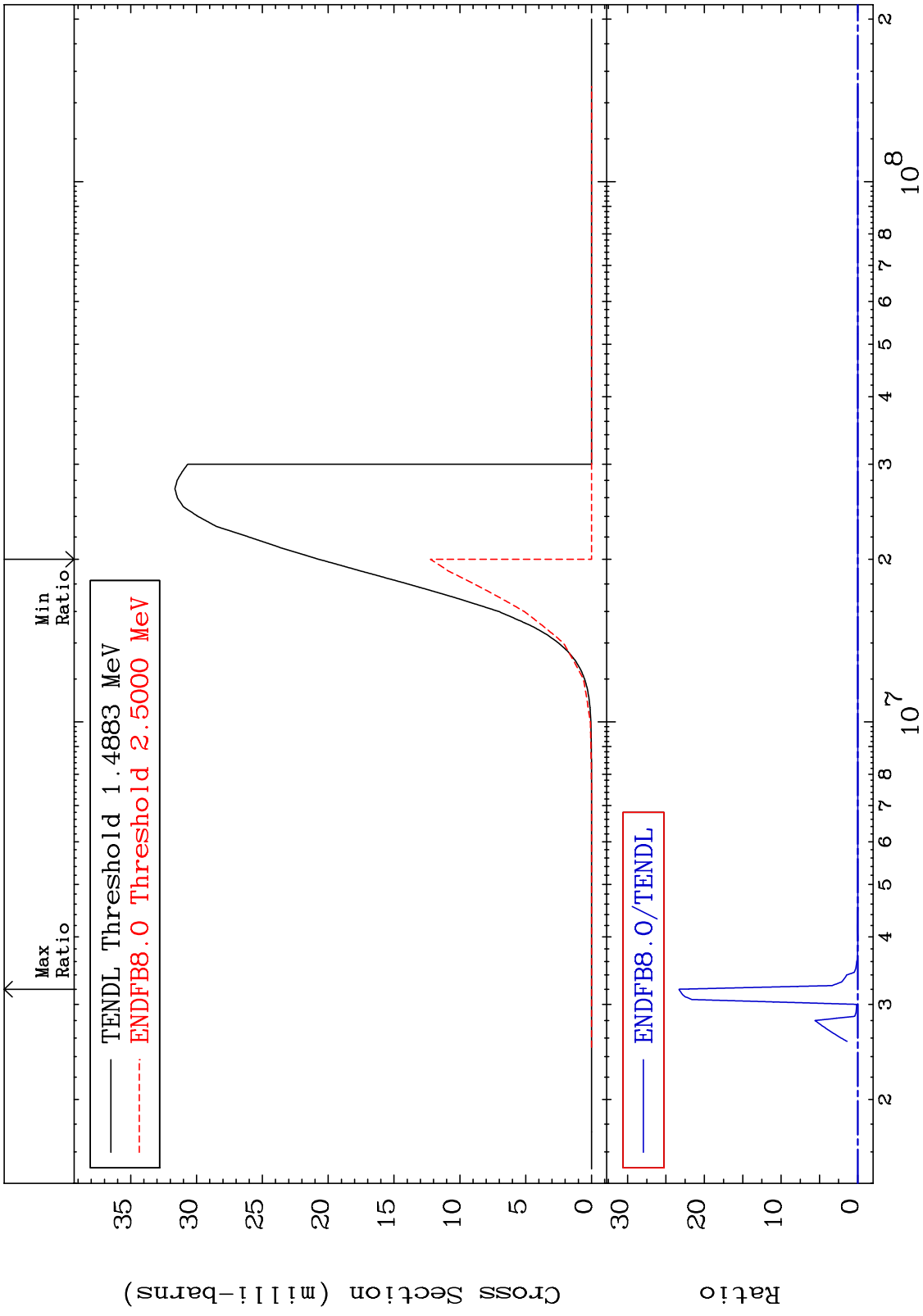


40

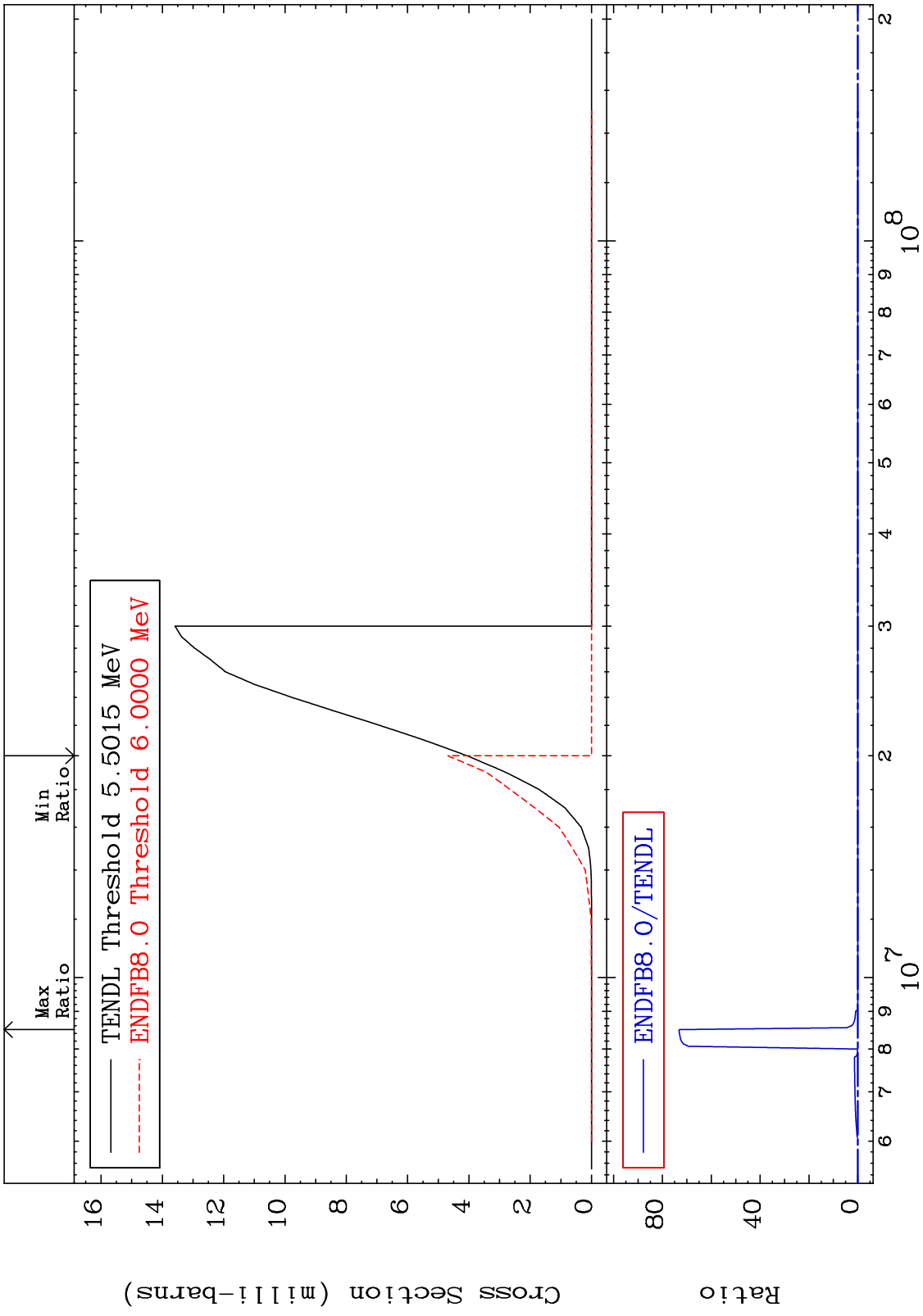
Incident Energy (eV)

80-Hg-200

MAT 8037 (n,p) Cross Section 80-Hg-200 -100.0 To 9999. %



MAT 8037 (n,d) Cross Section 80-Hg-200 -100.0 To 9999. %



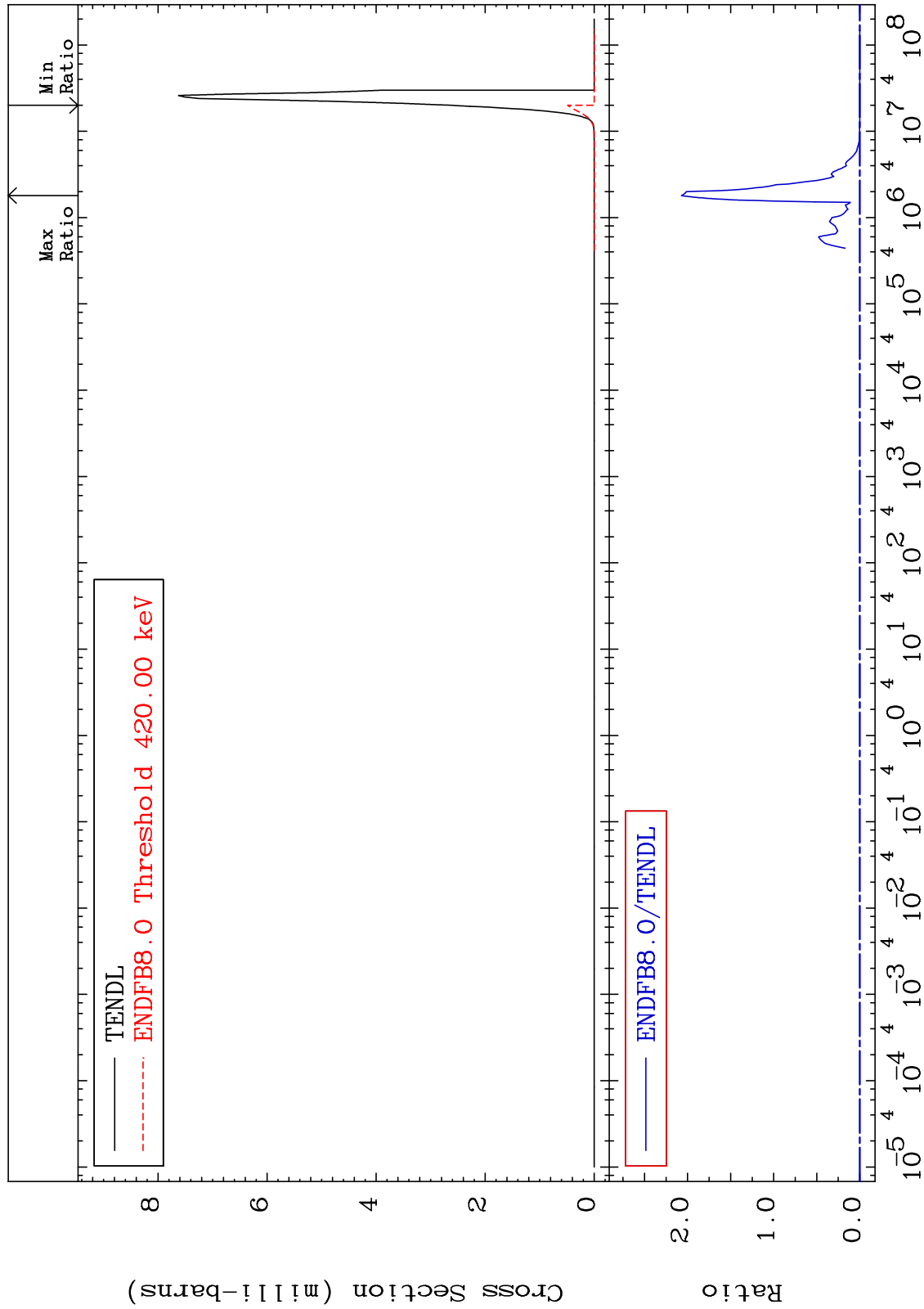
MAT 8037

(n, α)

80-Hg-200

Cross Section

-100.0 To 9999. %



43

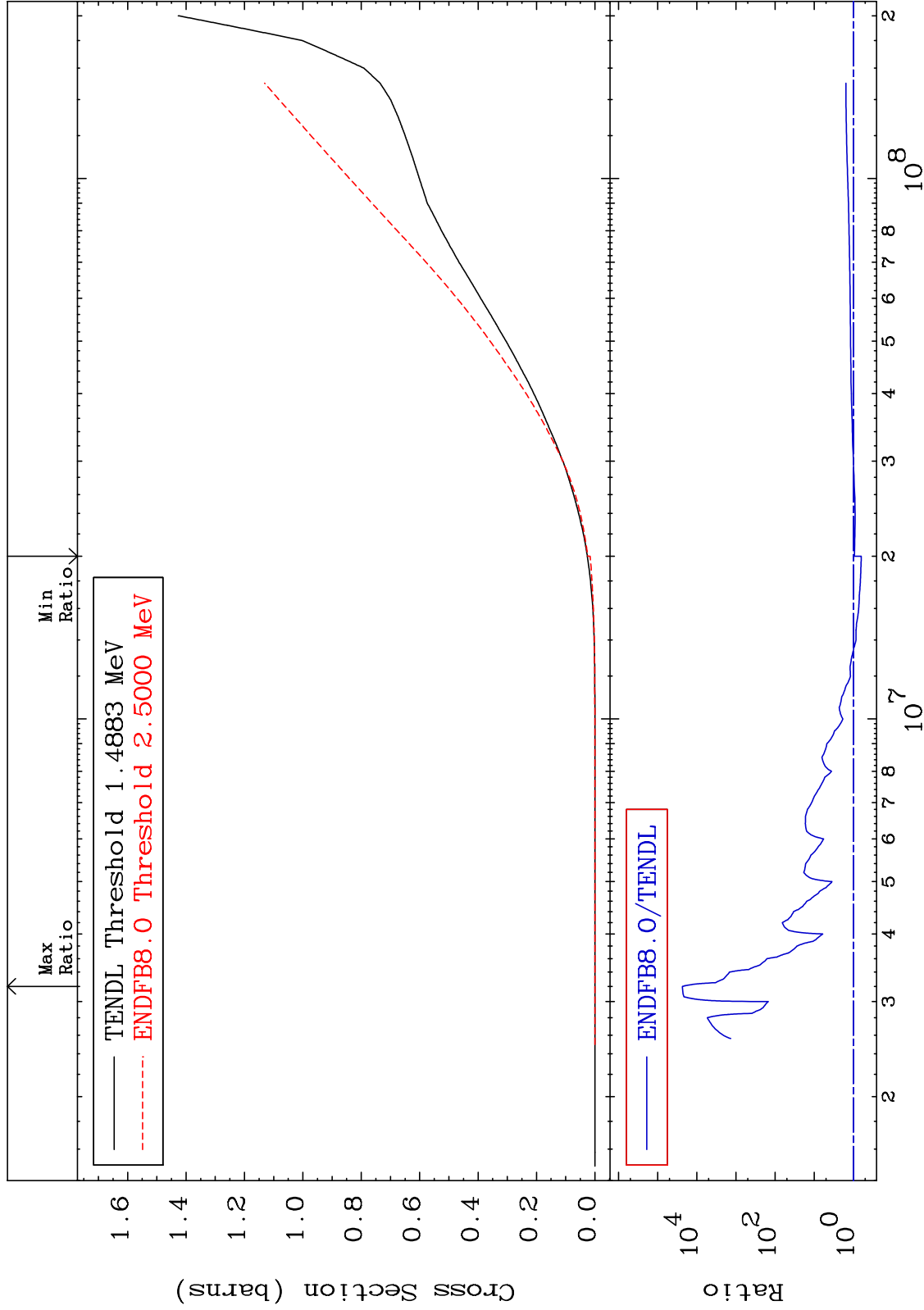
Incident Energy (eV)

80-Hg-200

MAT 8037

Hydrogen Production
Cross Section

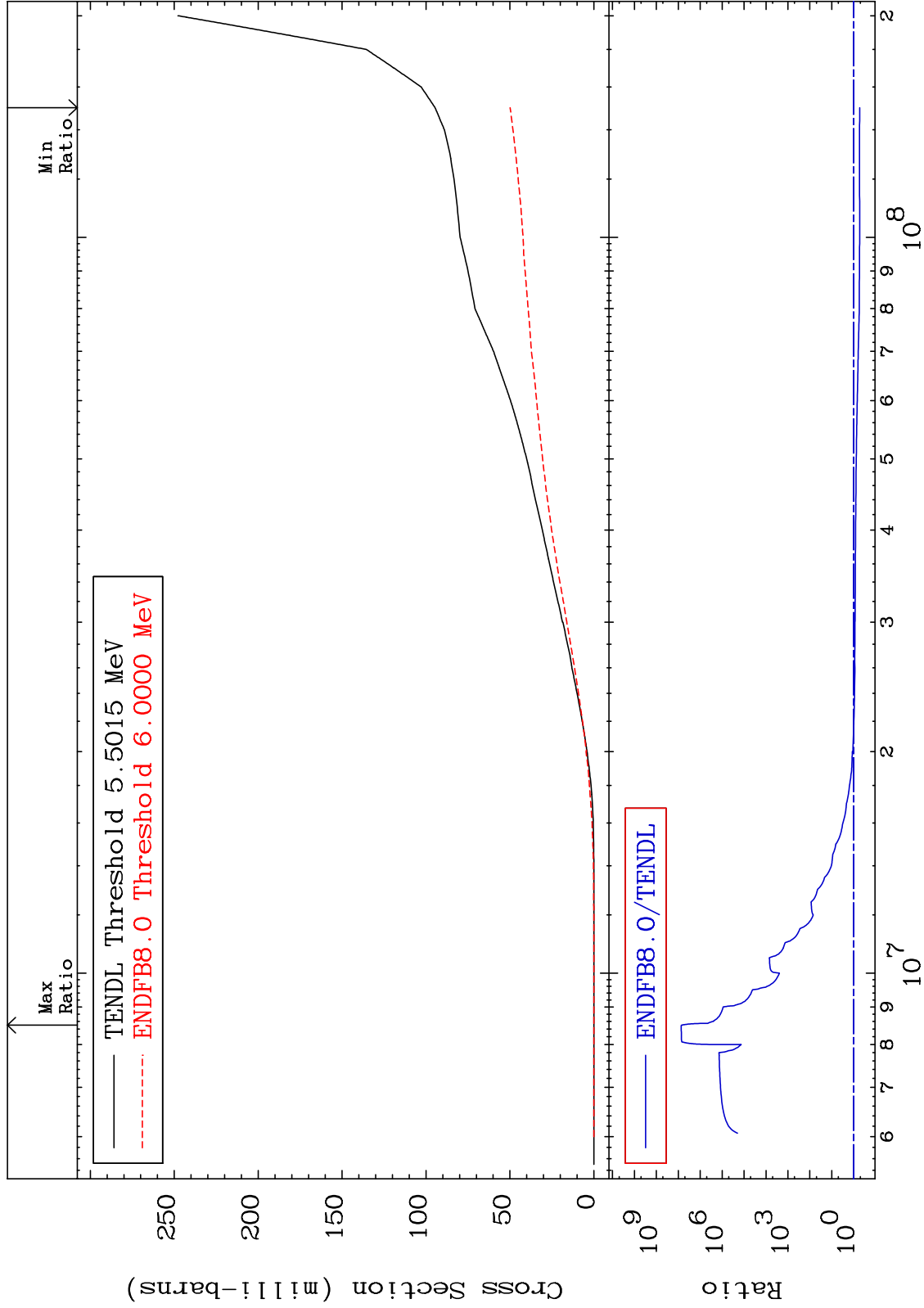
80-Hg-200
-37.32 To 9999. %



MAT 8037

Deuterium Production
Cross Section

80-Hg-200
-47.27 To 9999. %



45

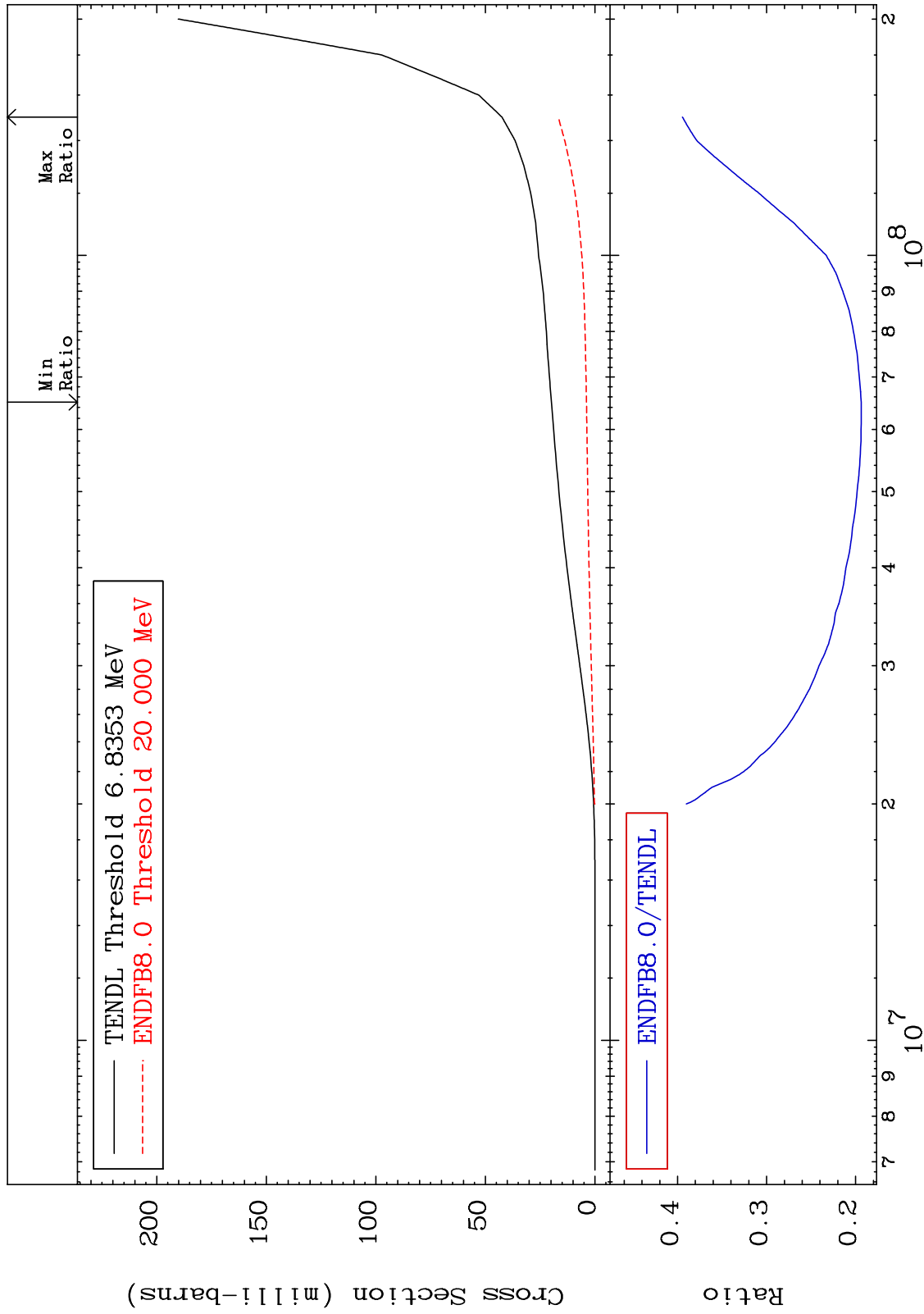
Incident Energy (eV)

80-Hg-200

MAT 8037

Tritium Production
Cross Section

80-Hg-200
-80.63 To -60.55%



46

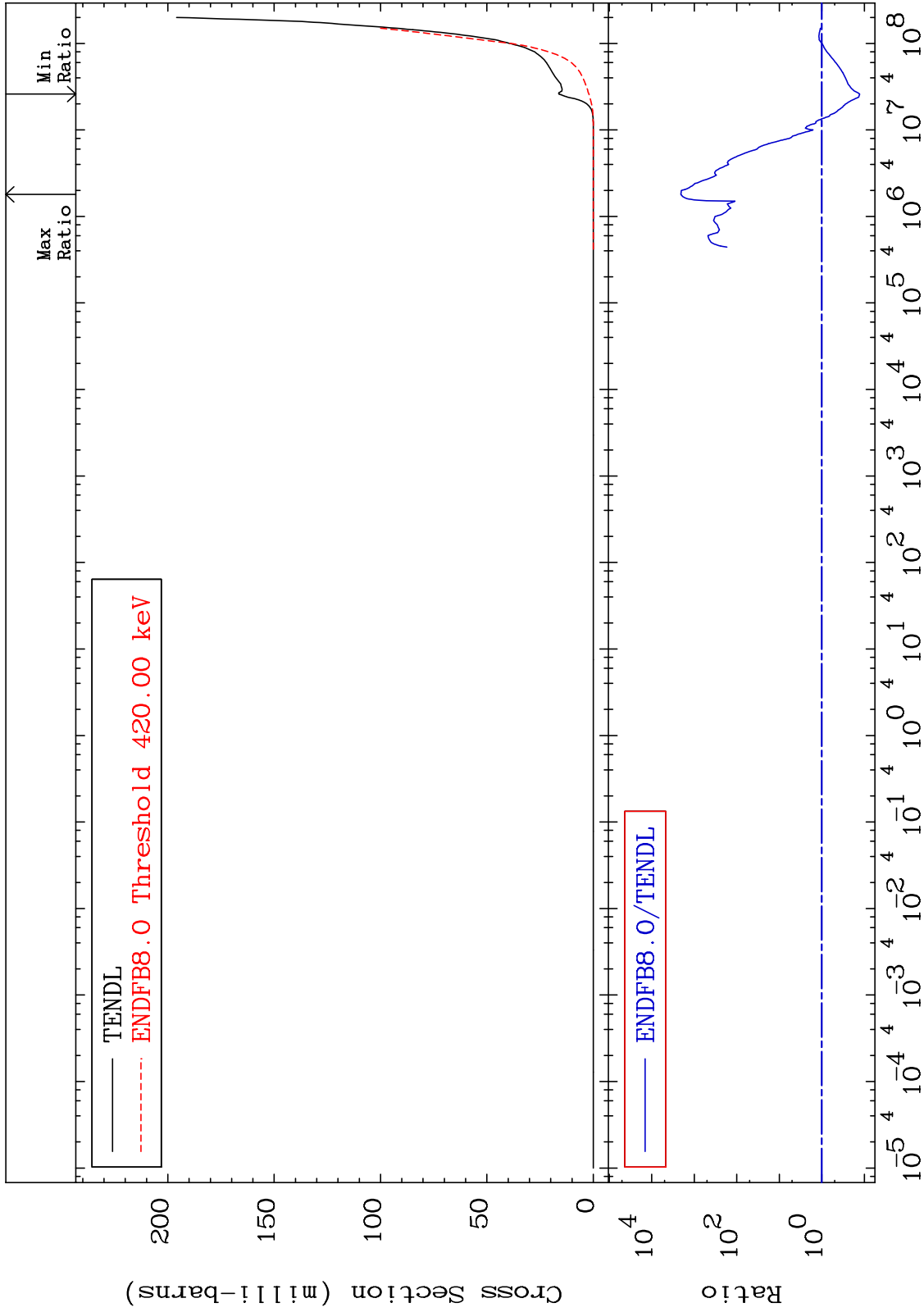
Incident Energy (eV)

80-Hg-200

MAT 8037

He-4 Production
Cross Section

80-Hg-200
-87.12 To 9999. %



47

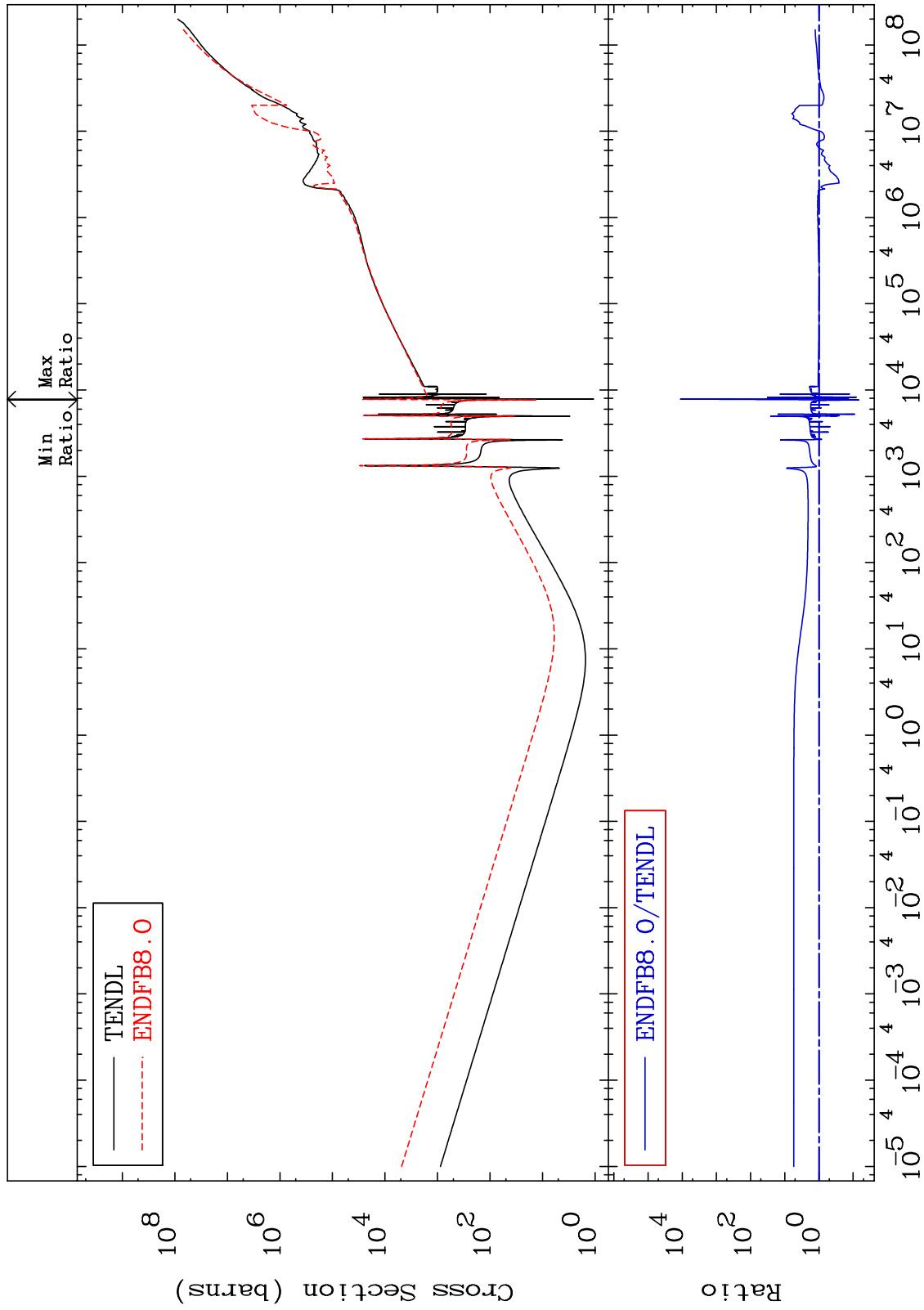
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma total (eV-barns)
Cross Section

80-Hg-200
-93.25 To 9999. %



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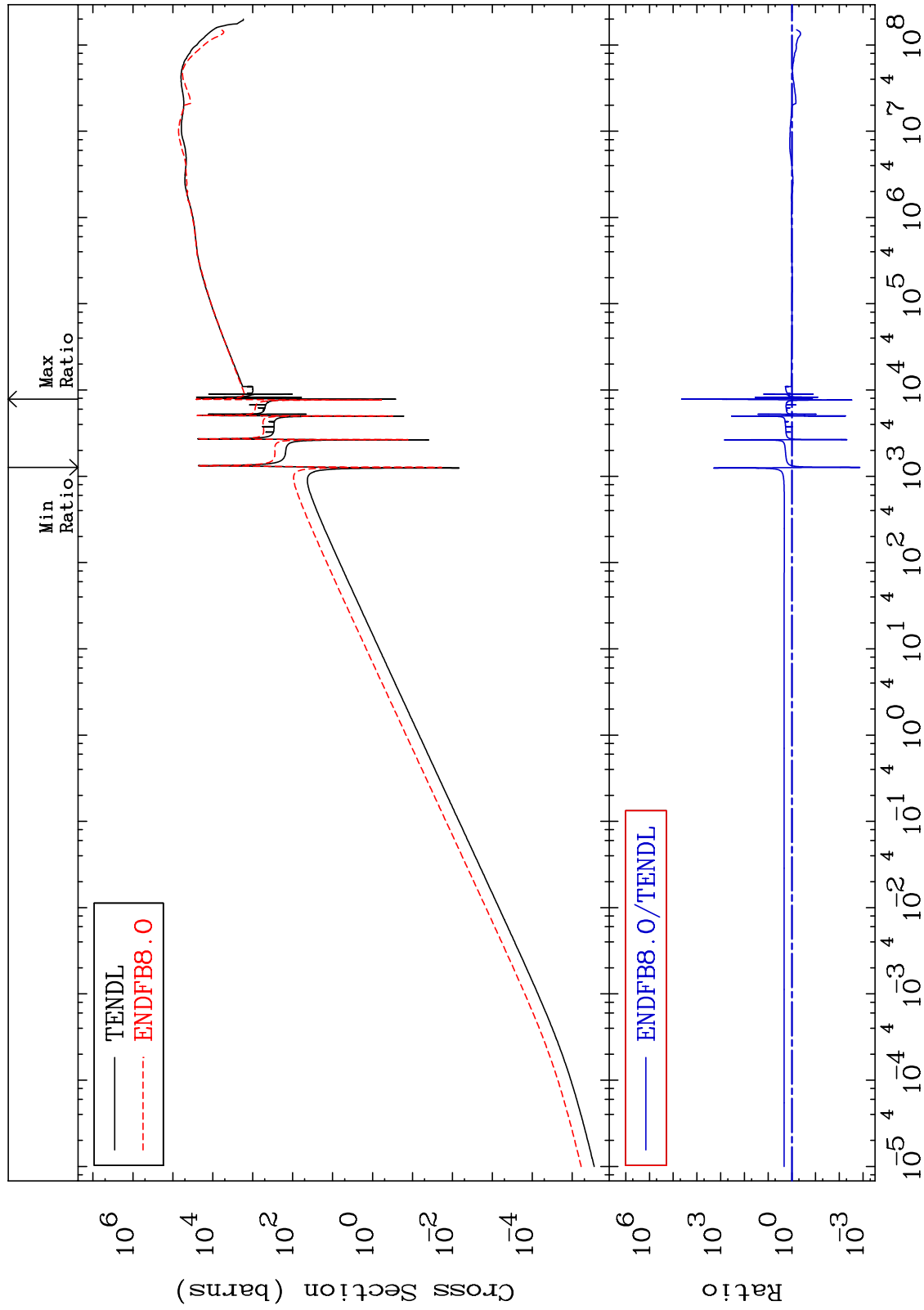
Incident Energy (eV)

80-Hg-200

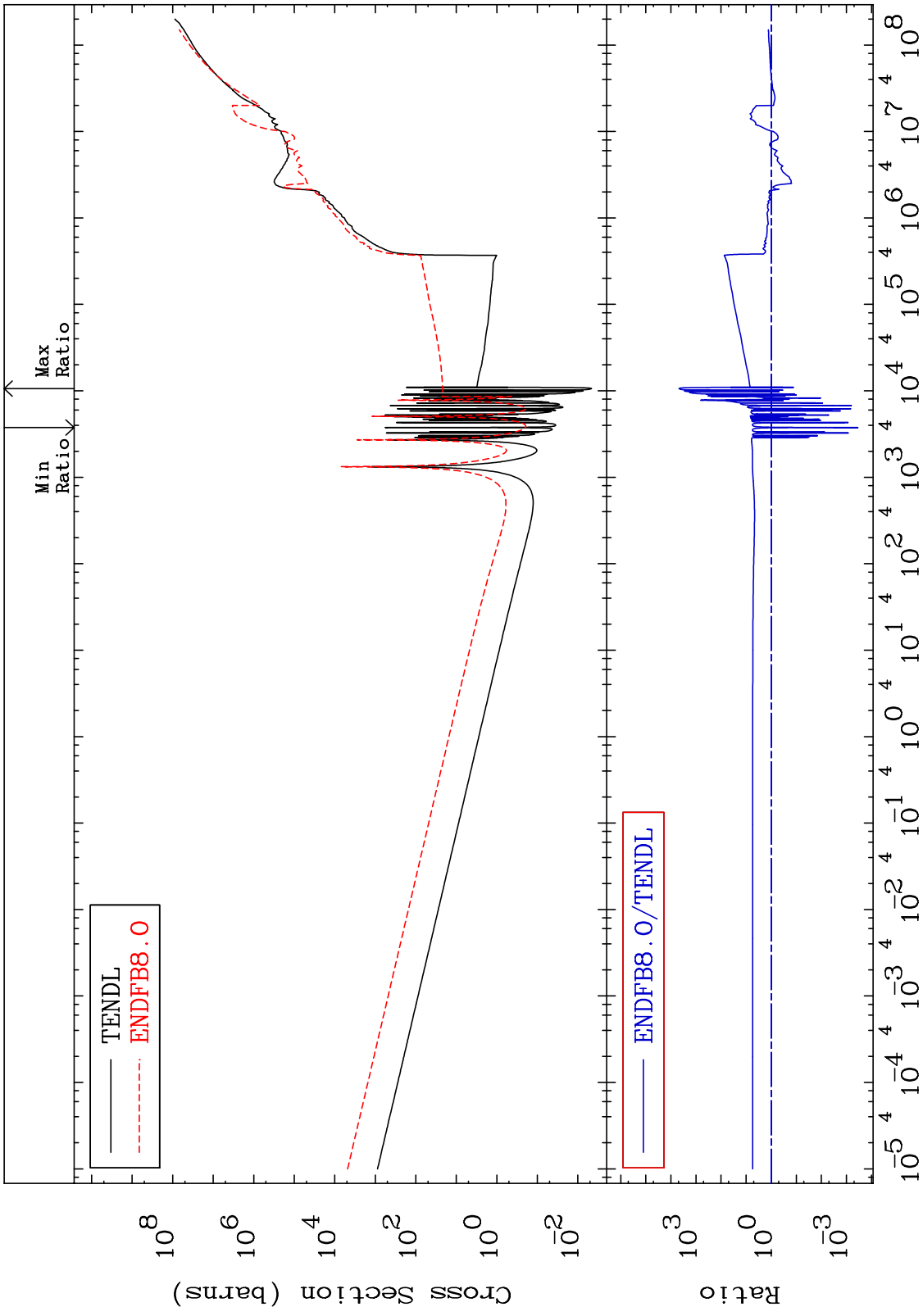
MAT 8037

Kerma elastic
Cross Section

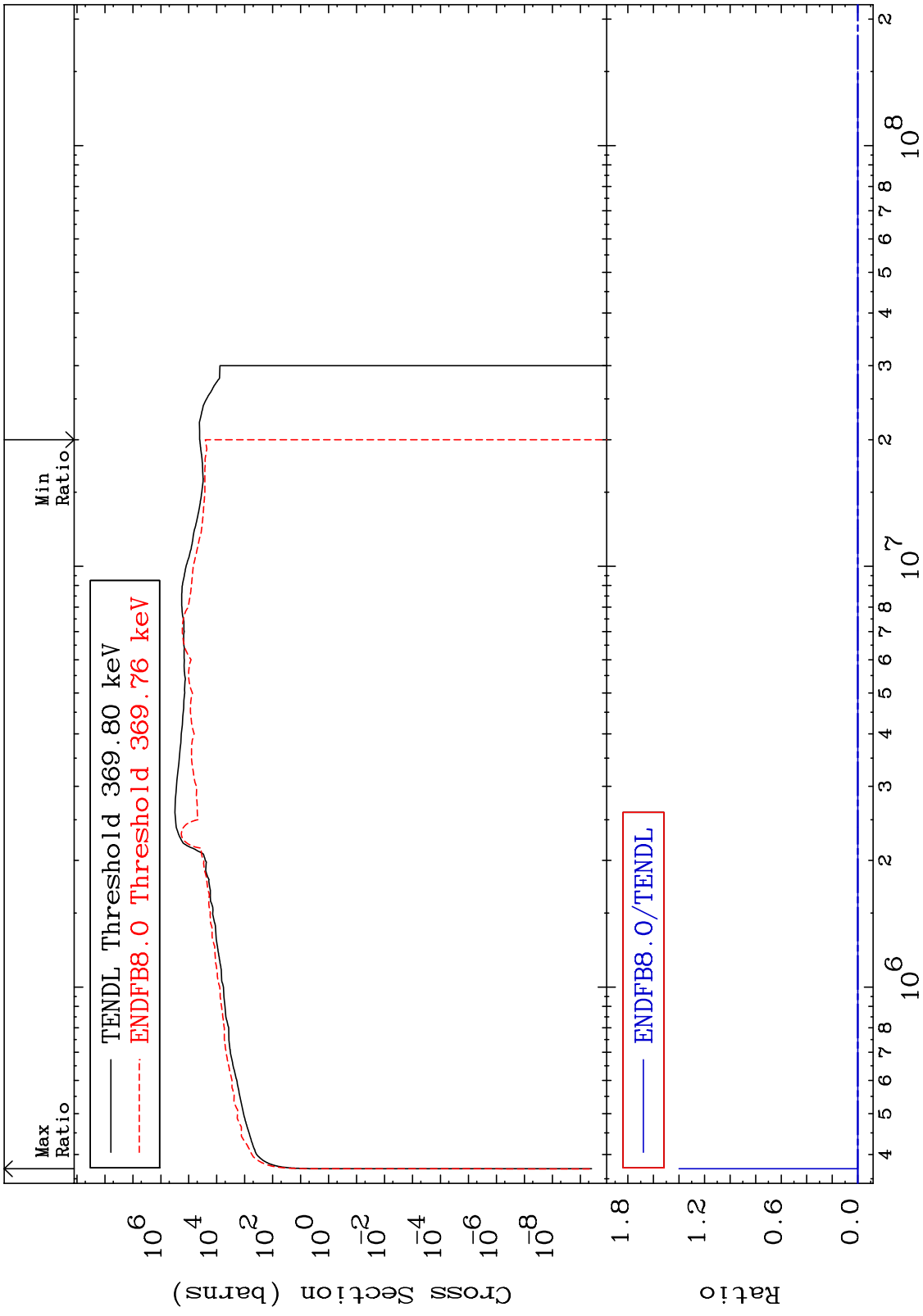
80-Hg-200
-99.86 To 9999. %



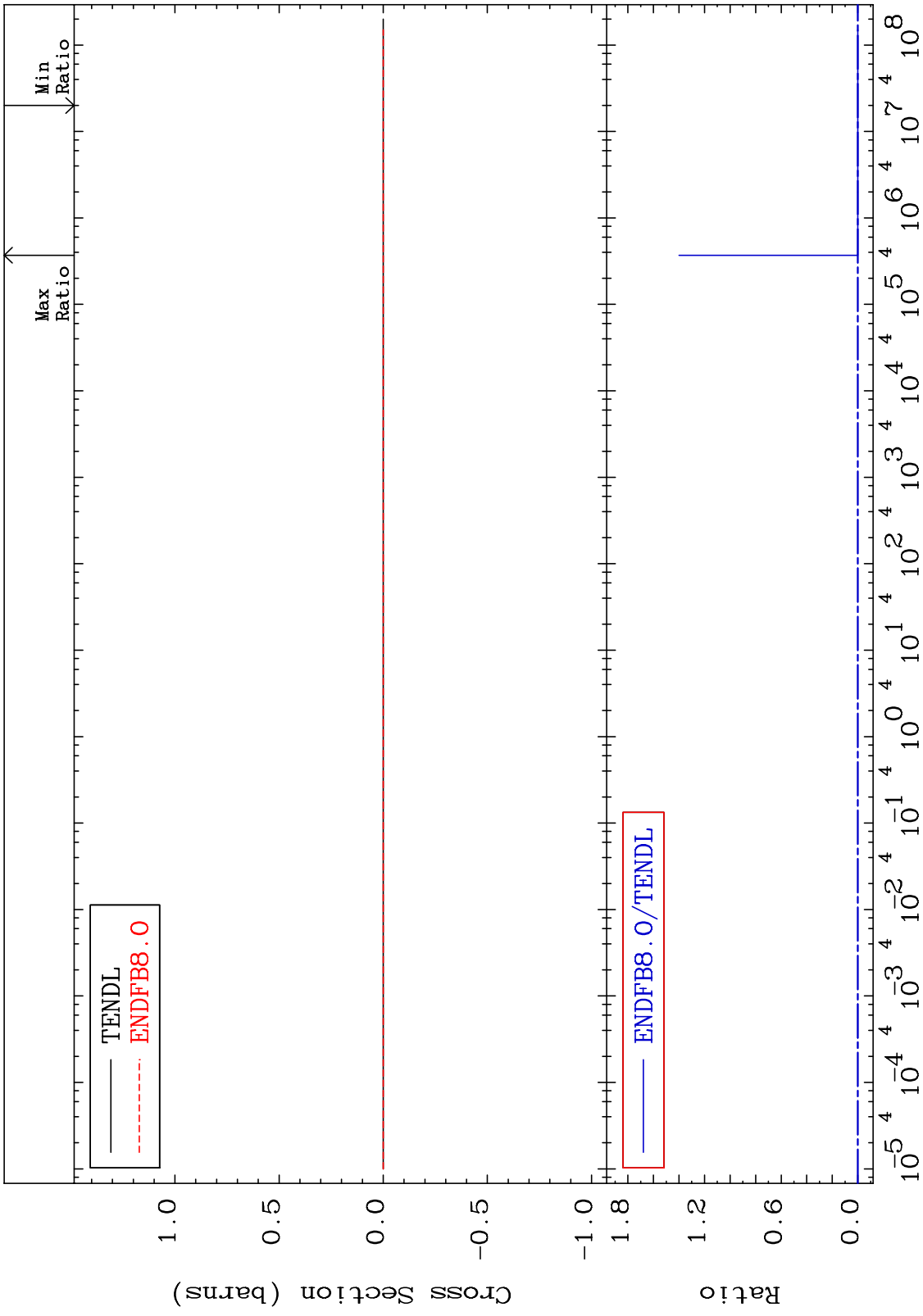
MAT 8037 Kerma non-elastic (all but mt2) 80-Hg-200
 Cross Section -99.96 To 9999. %



MAT 8037 Kerma inelastic (mt51-91) 80-Hg-200
 Cross Section -100.0 To 9999. %



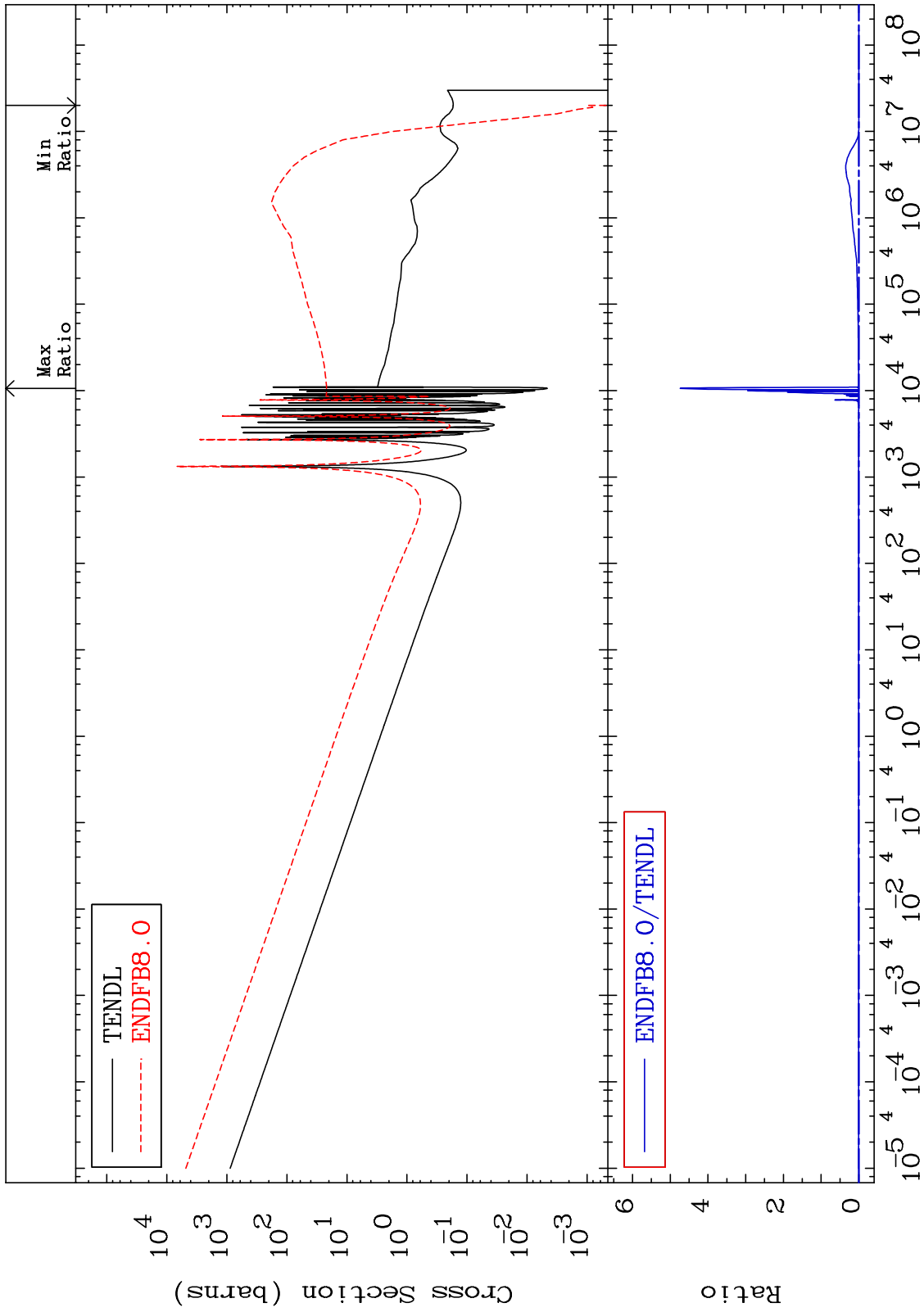
MAT 8037 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-200
 Cross Section -100.0 To 9999. %



MAT 8037

Kerma capture (mt102)
Cross Section

80-Hg-200
-100.0 To 9999. %

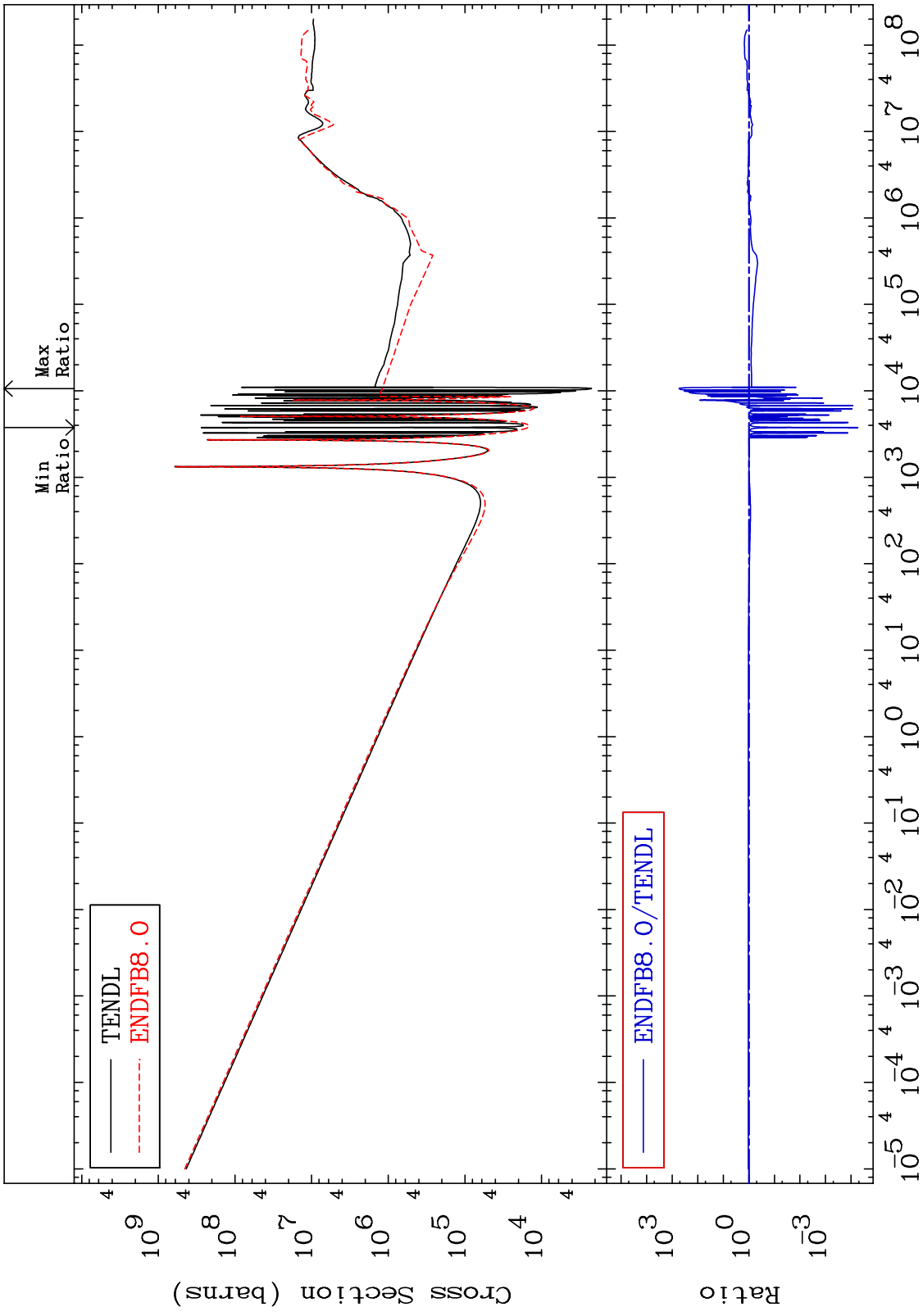


53

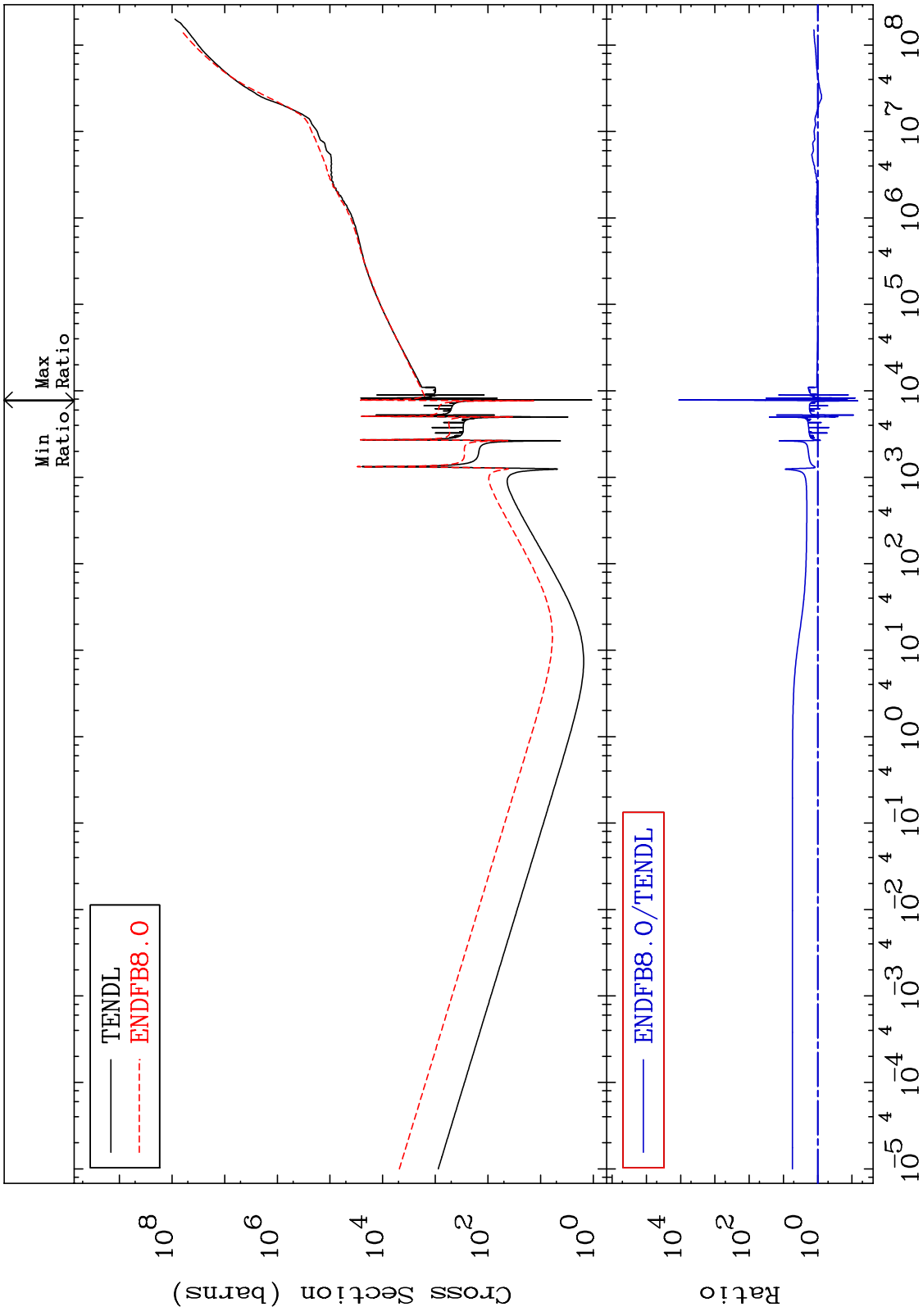
Incident Energy (eV)

80-Hg-200

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



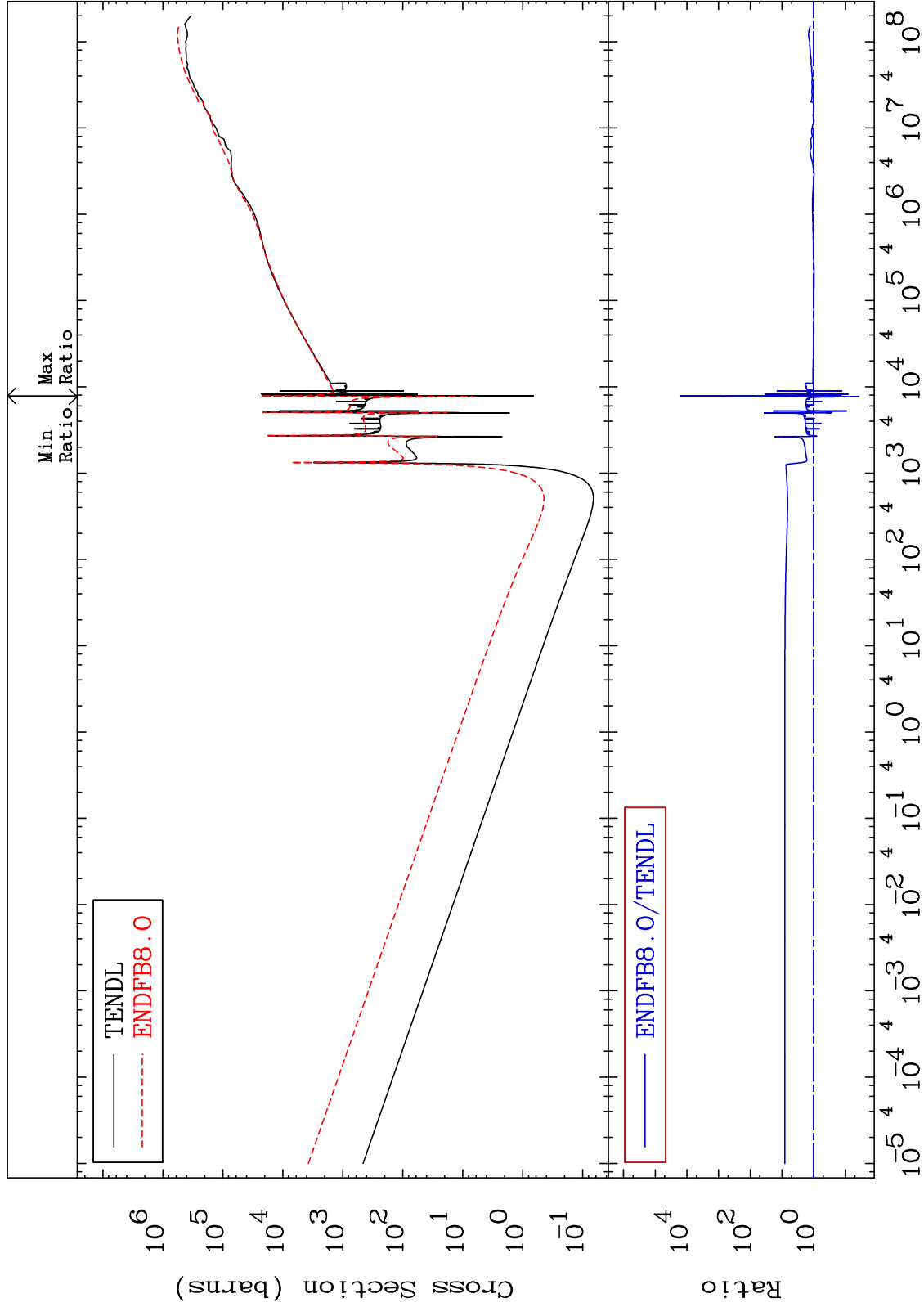
MAT 8037 Total kinematic kerma (high limit) 80-Hg-200
 Cross Section -93.25 To 9999. %



MAT 8037

Dpa total (eV-barns)
Cross Section

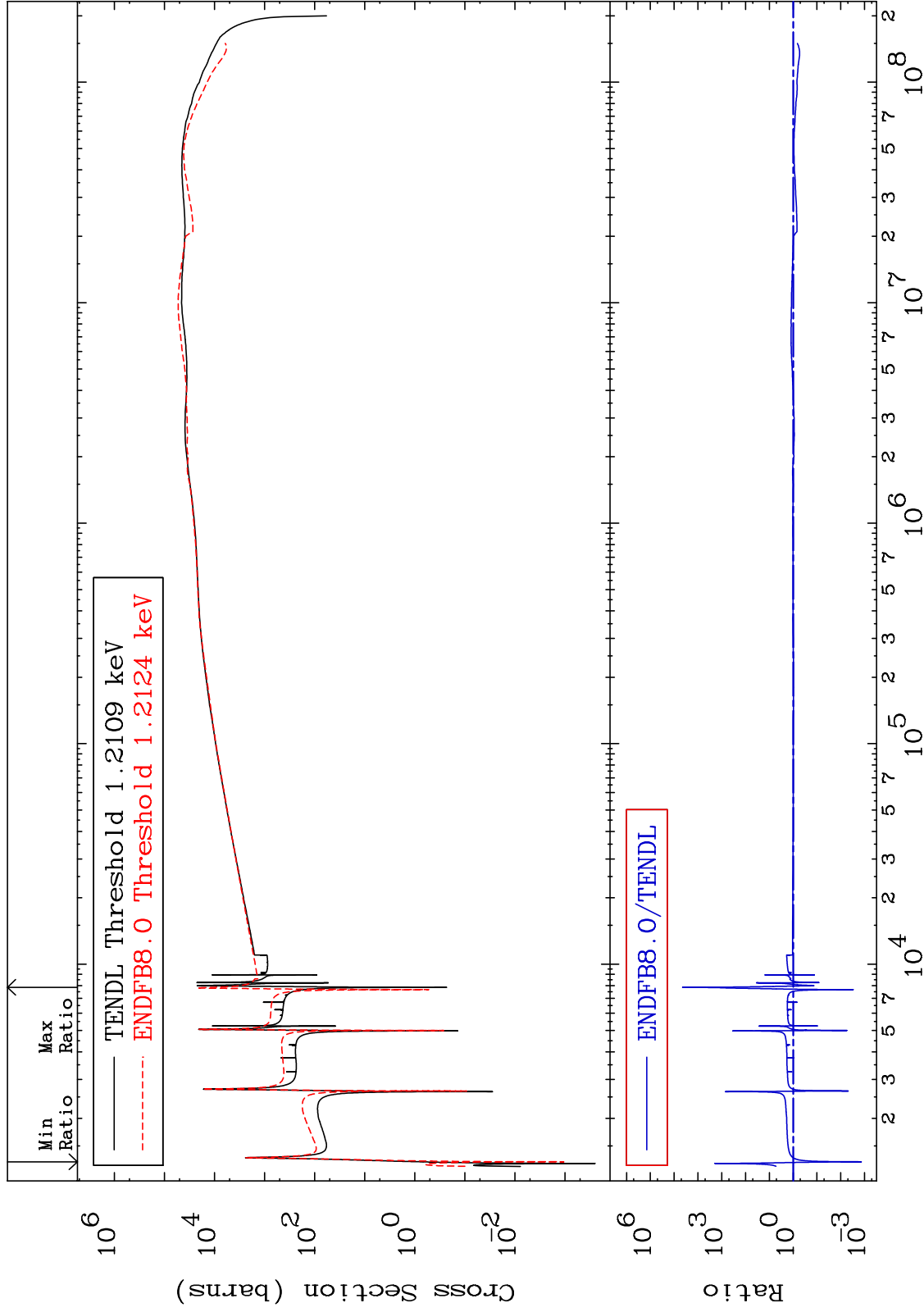
80-Hg-200
-96.29 To 9999. %



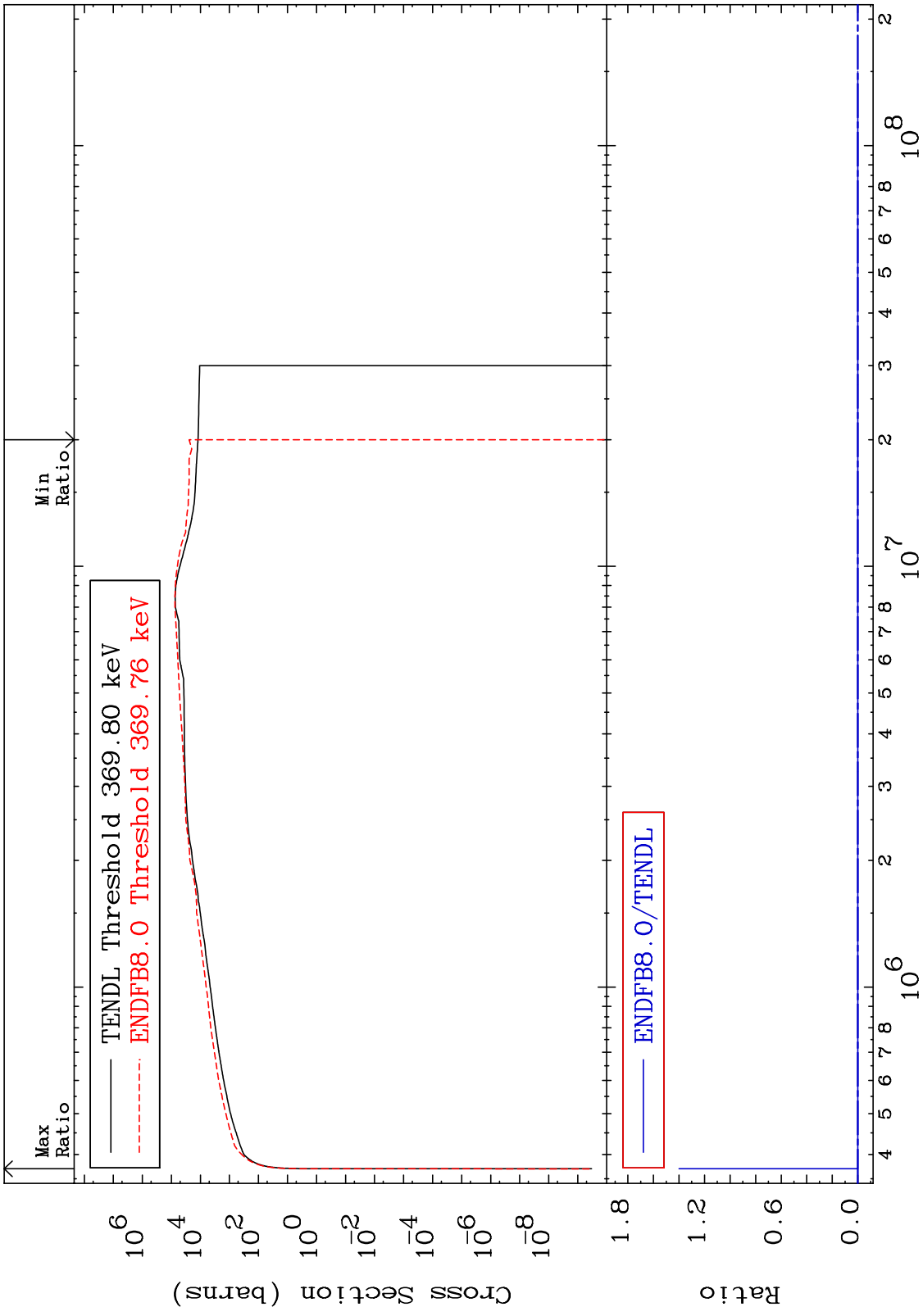
MAT 8037

Dpa elastic (mt2)
Cross Section

80-Hg-200
-99.86 To 9999. %



MAT 8037 Dpa inelastic (mt51-91) 80-Hg-200
 Cross Section -100.0 To 9999. %



MAT 8037 Dpa disappearance (mt102 -120) 80-Hg-200
 Cross Section -100.0 To 9999. %

