

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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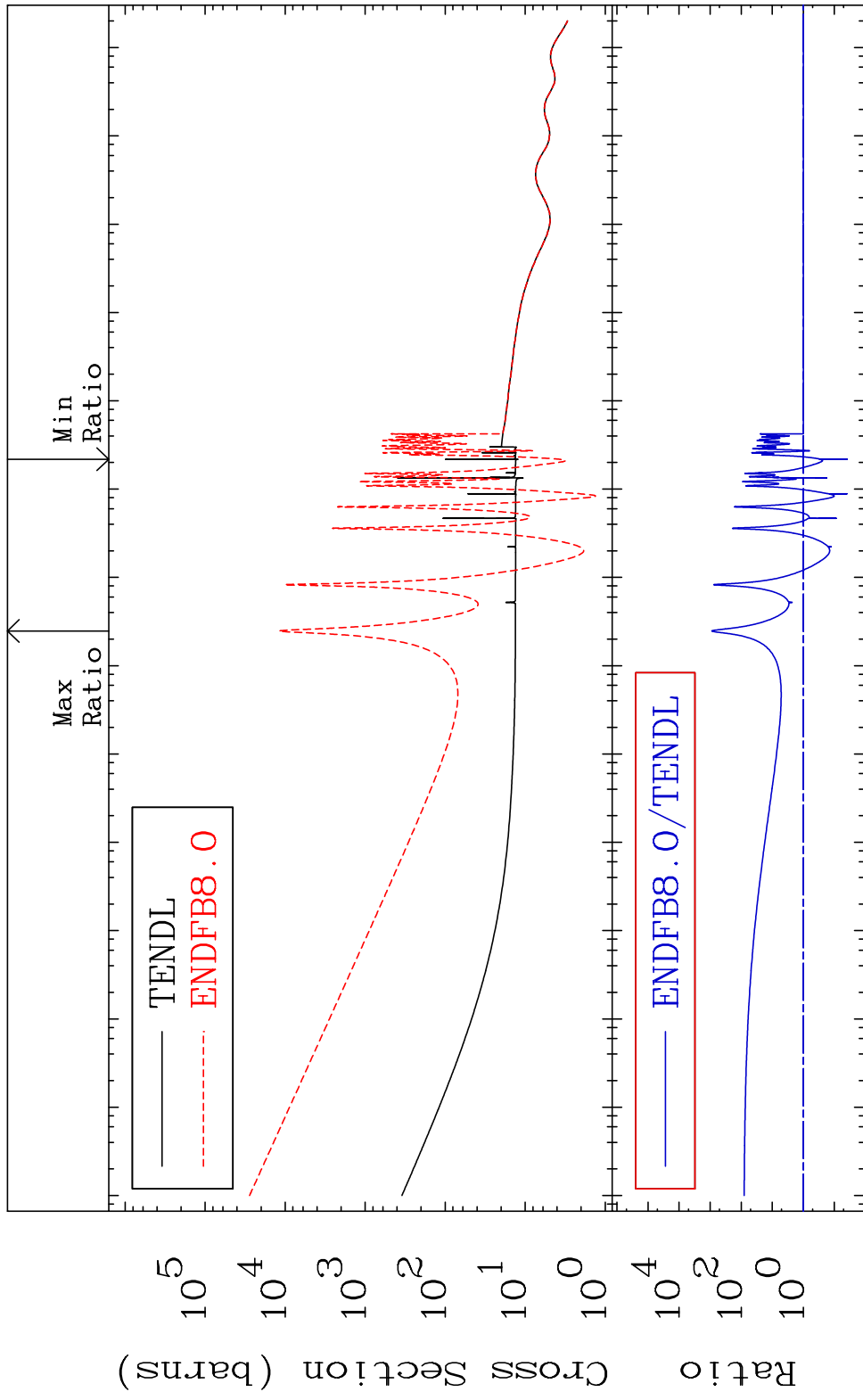
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8046

Total Cross Section -96.19 To 9999. %
80-Hg-203



1

Incident Energy (eV)

80-Hg-203

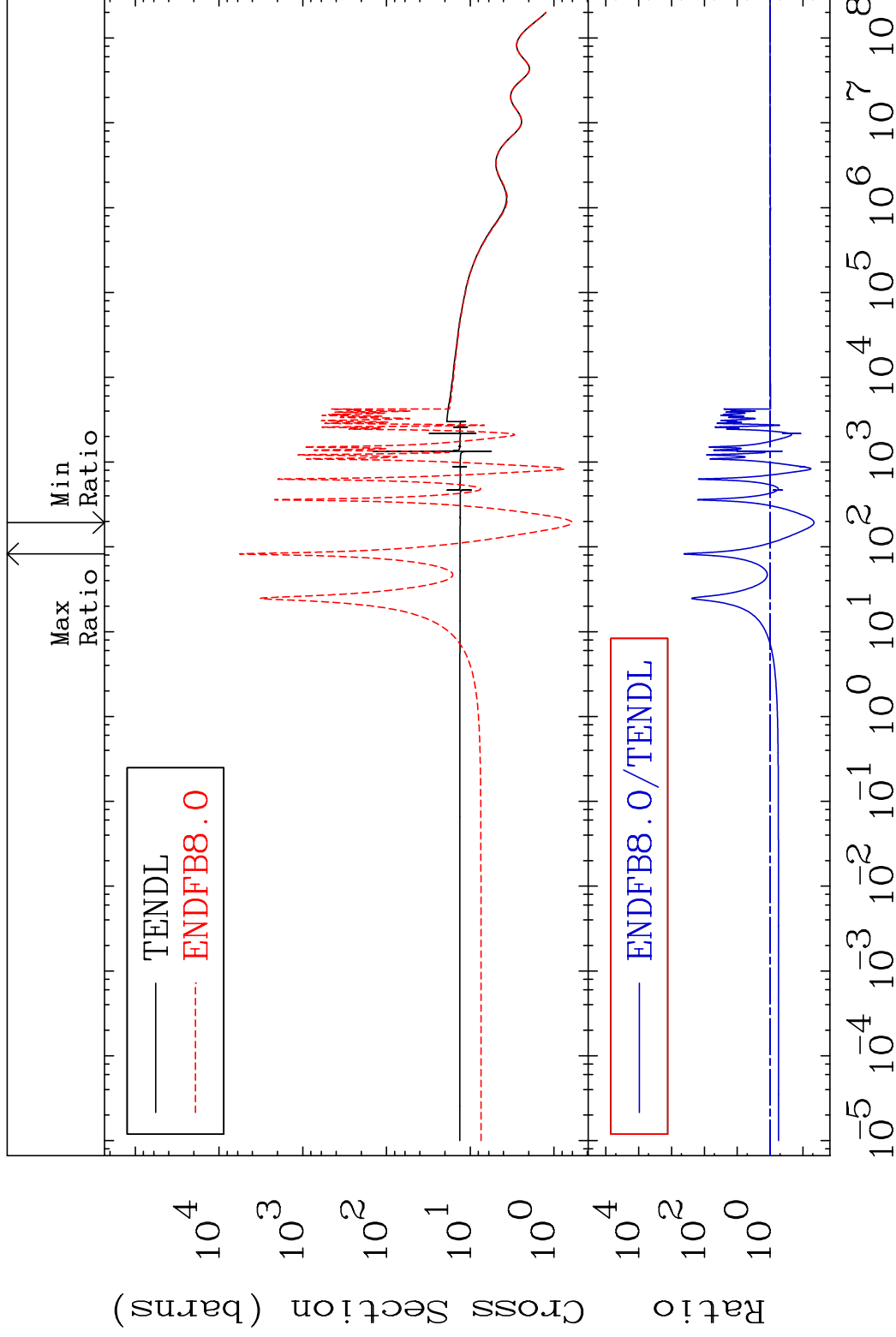
MAT 8046

Elastic

80-Hg-203

Cross Section

-95.42 To 9999. %

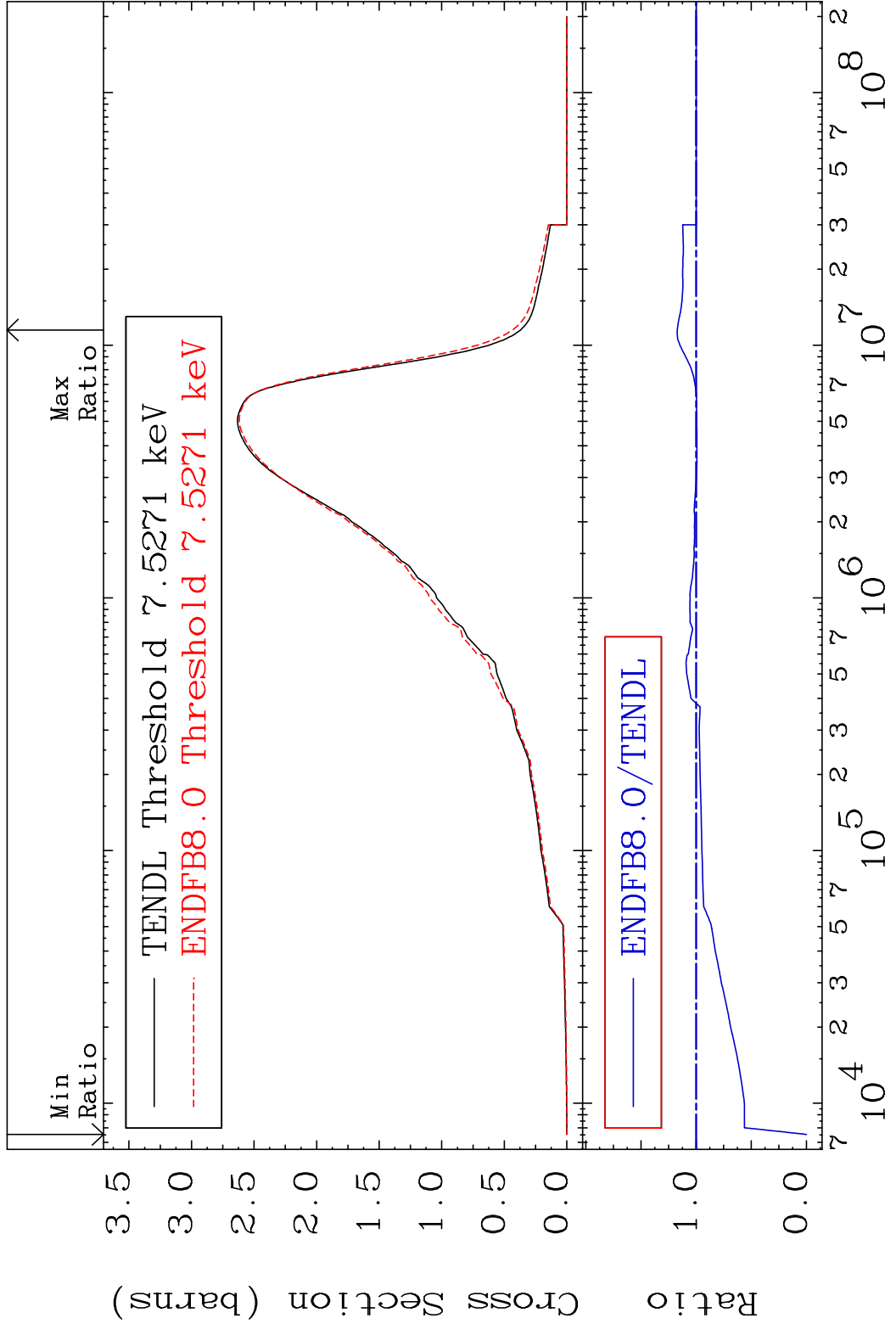


2

Incident Energy (eV)

80-Hg-203

MAT 8046 Inelastic 80-Hg-203
 Cross Section -100.0 To 17.17 %



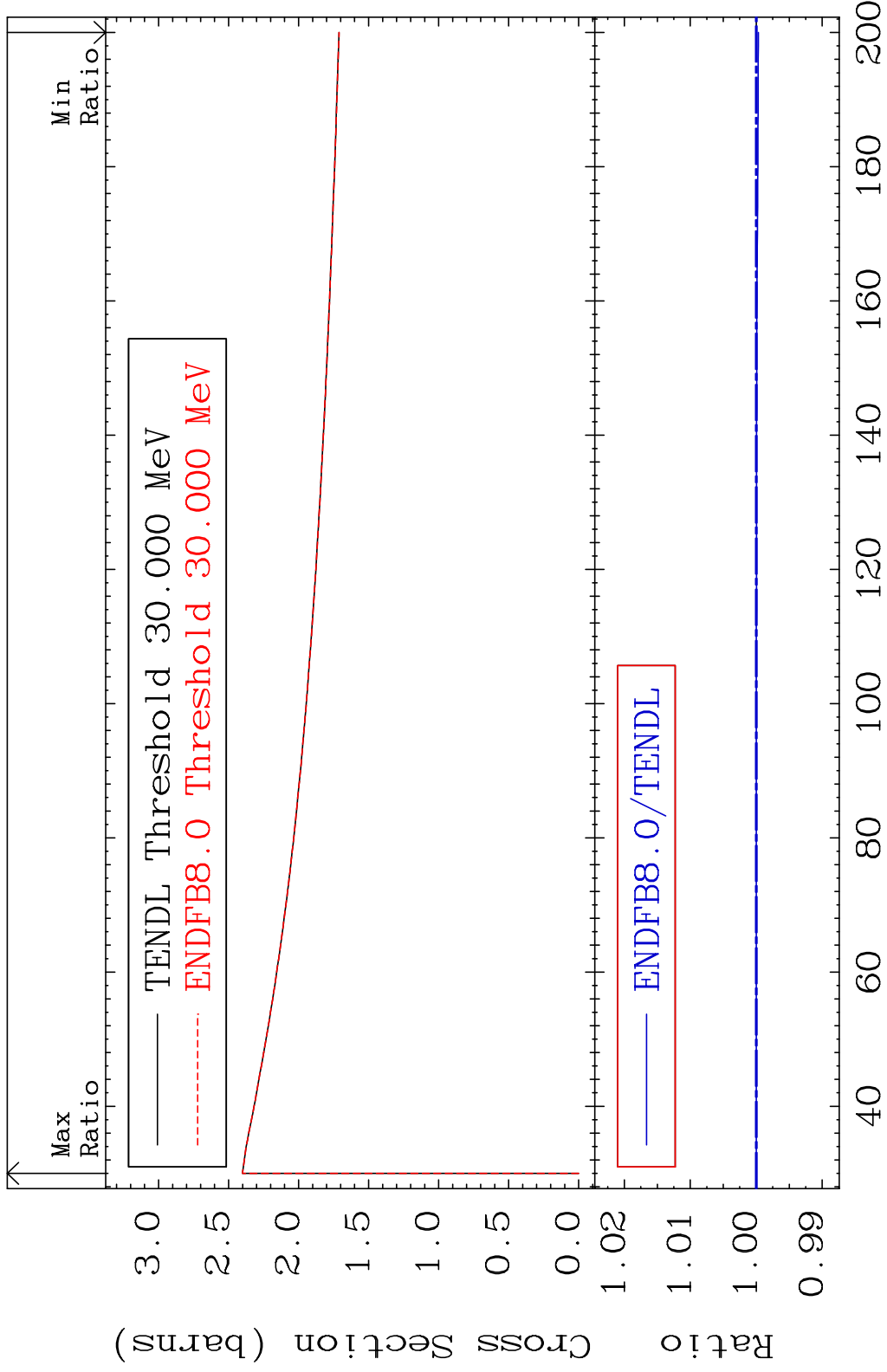
3 Incident Energy (eV) 80-Hg-203

MAT 8046

(n, remainder)

80-Hg-203

Cross Section -0.031 To 0.000 %

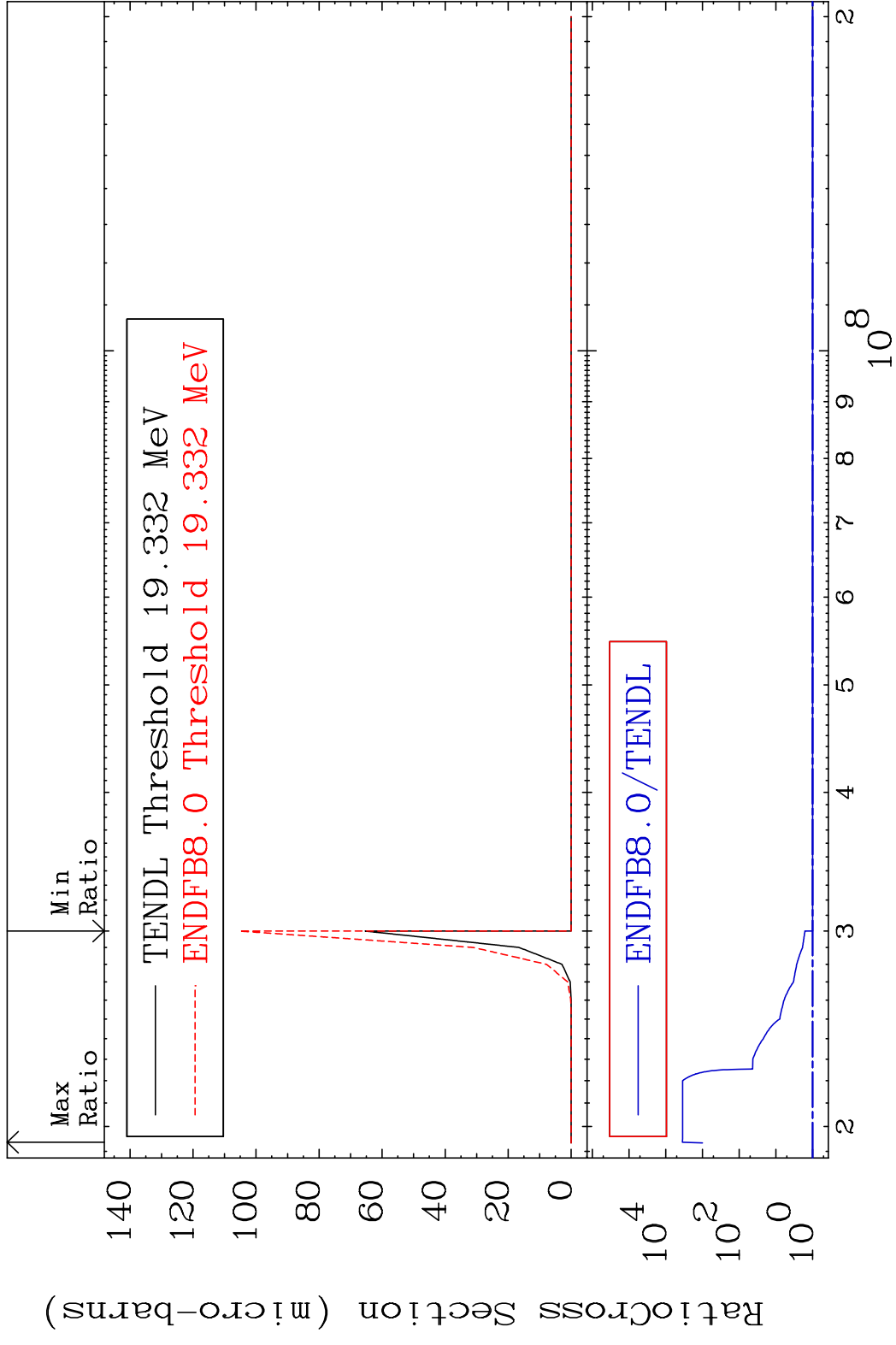


4

Incident Energy (MeV)

80-Hg-203

MAT 8046 (n,2n) d 80-Hg-203
 Cross Section 0.000 To 9999. %

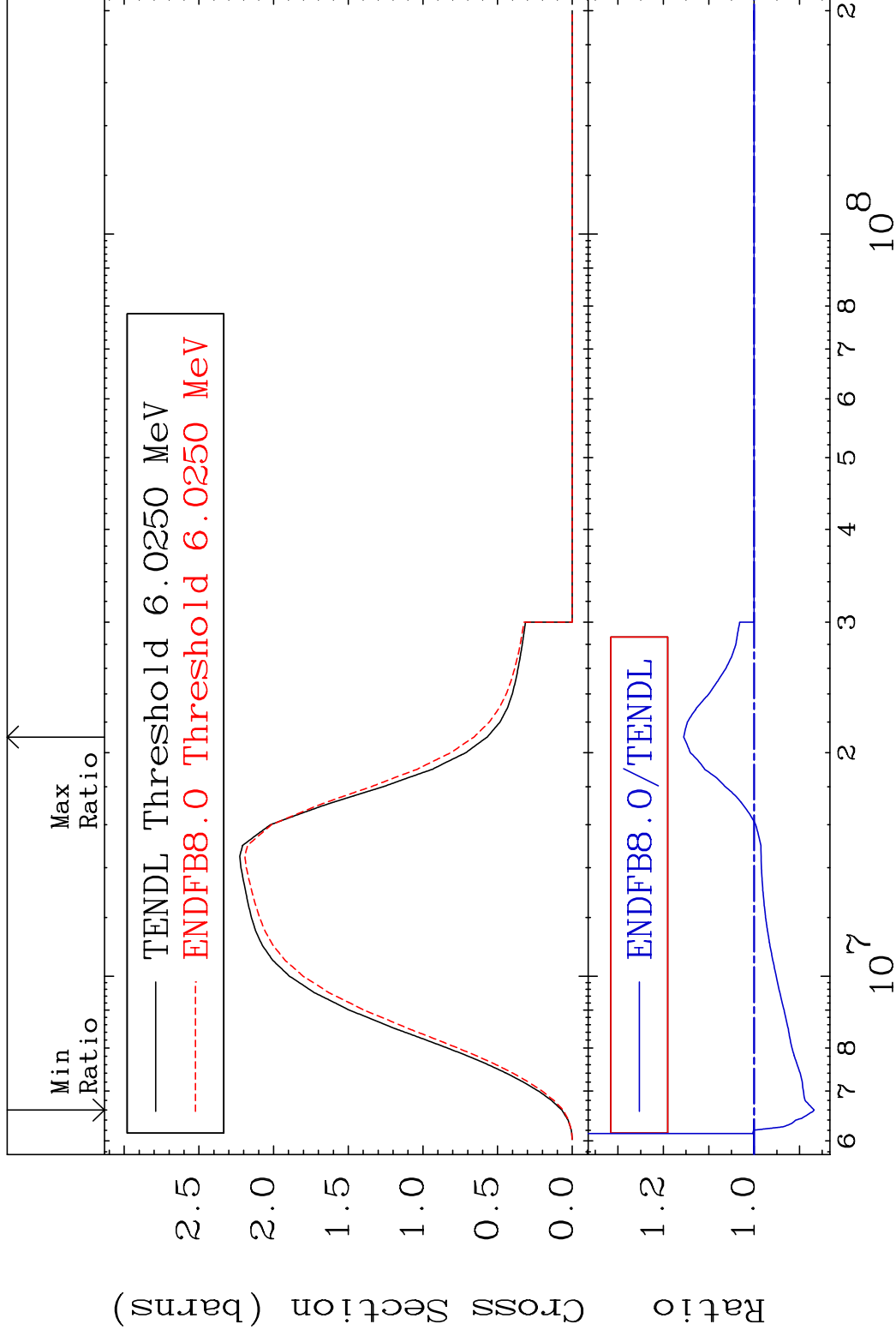


MAT 8046

(n,2n)

80-Hg-203

Cross Section -13.21 To 15.53 %

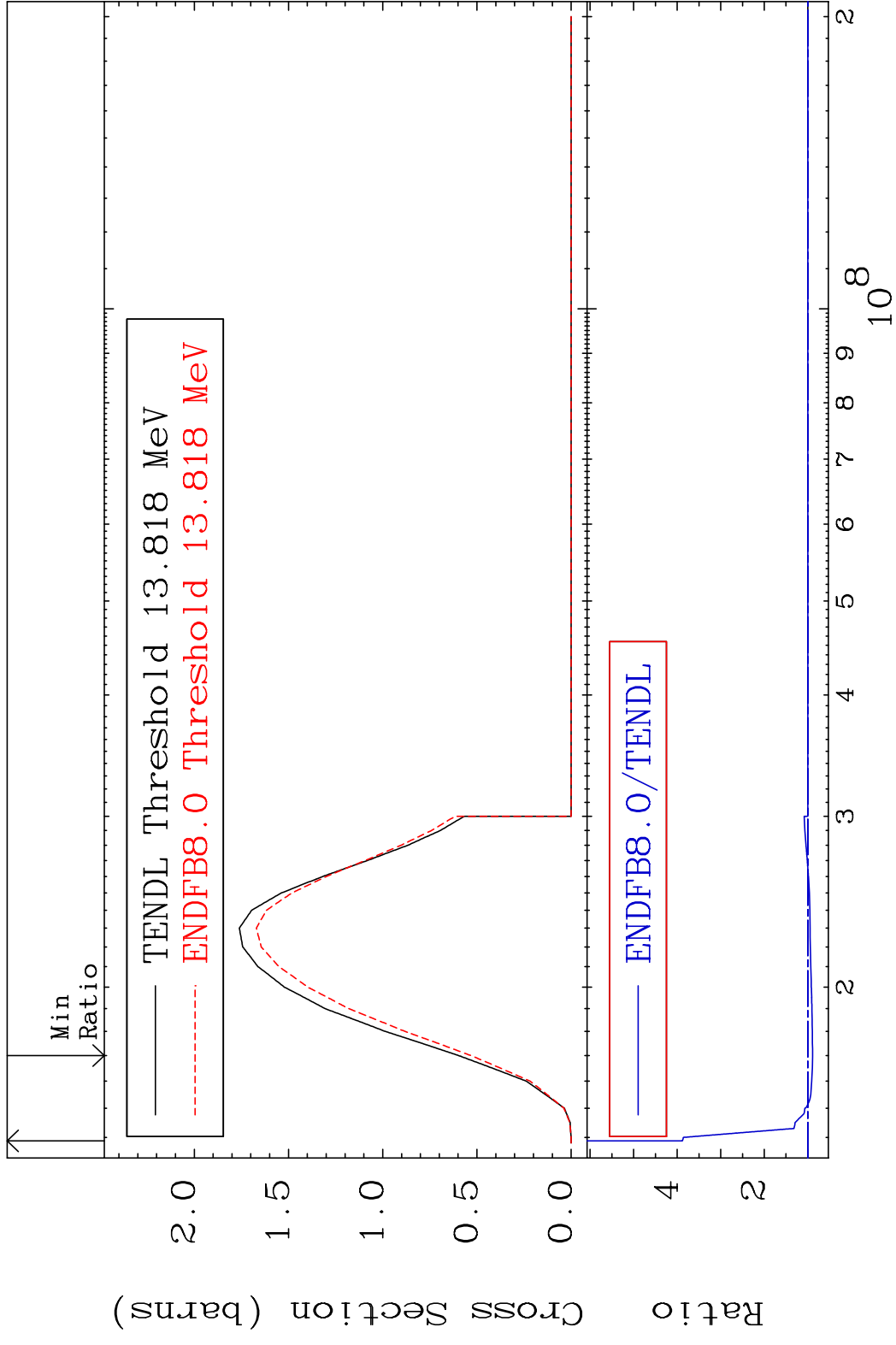


6

Incident Energy (eV)

80-Hg-203

MAT 8046 (n,3n) 80-Hg-203
 Cross Section -10.93 To 288.2 %



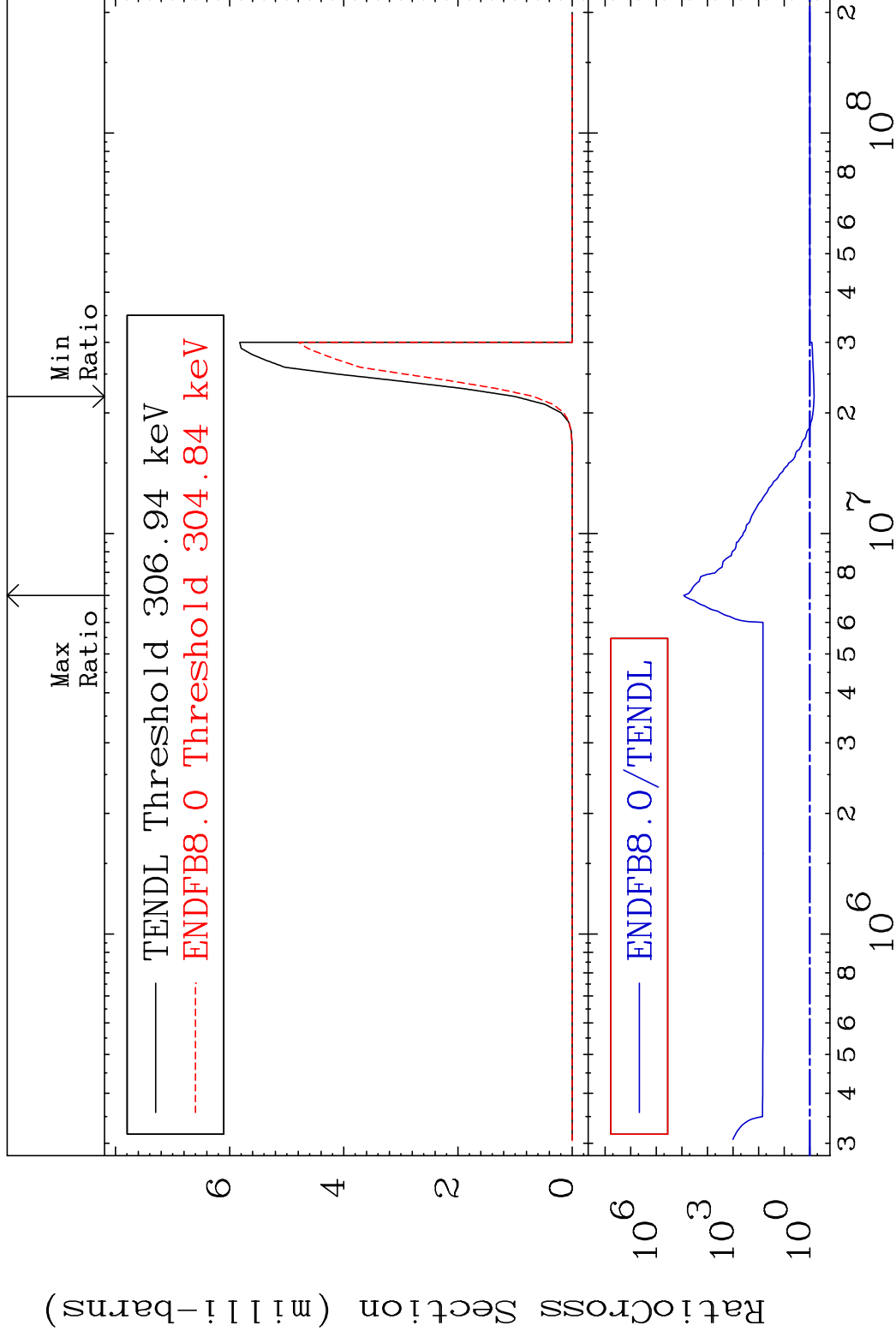
7 Incident Energy (eV) 80-Hg-203

MAT 8046

(n, n') α

80-Hg-203

Cross Section -32.49 To 9999. %

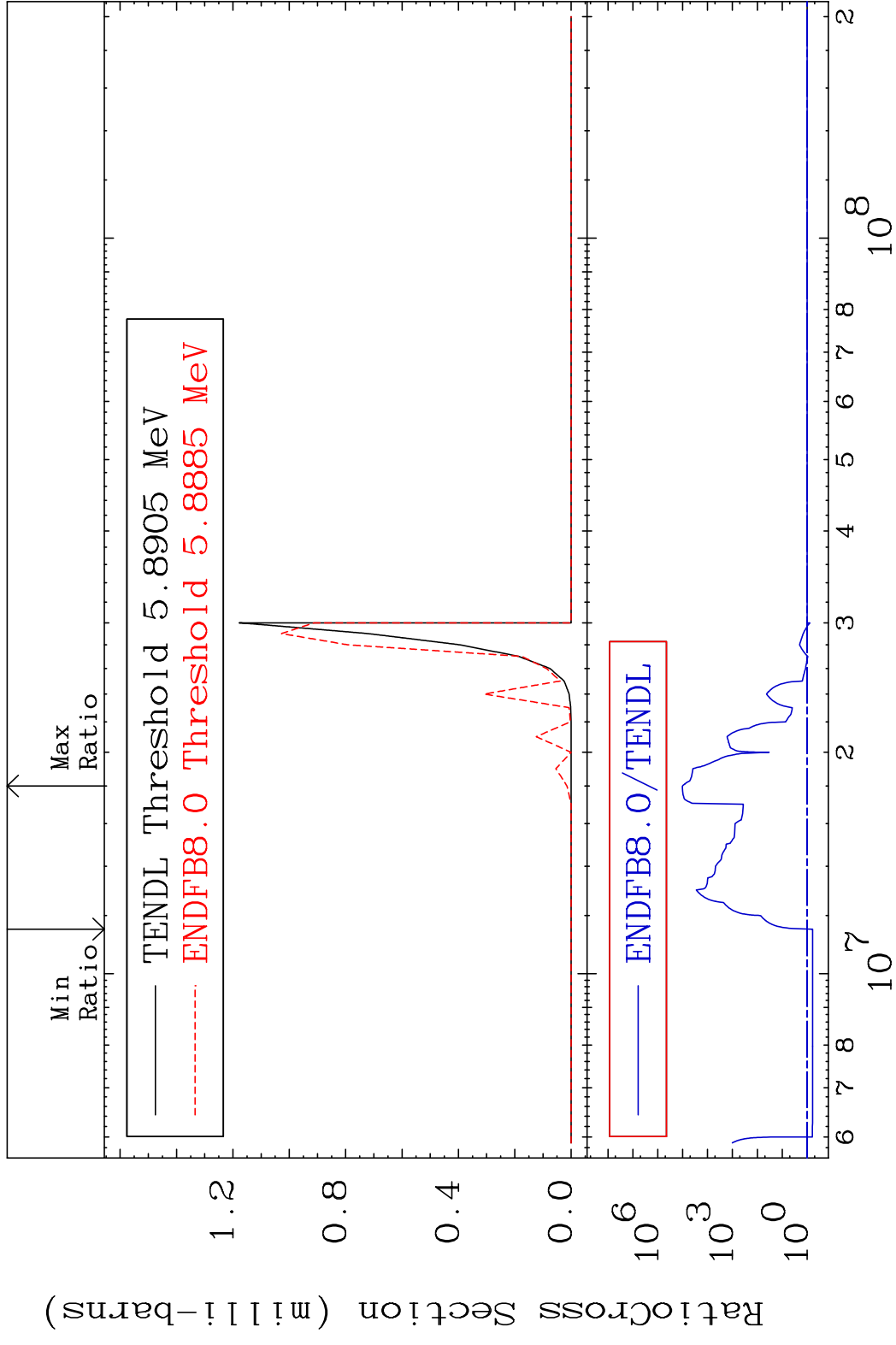


8

Incident Energy (eV)

80-Hg-203

MAT 8046 (n,2n) α 80-Hg-203
 Cross Section -39.43 To 9999. %

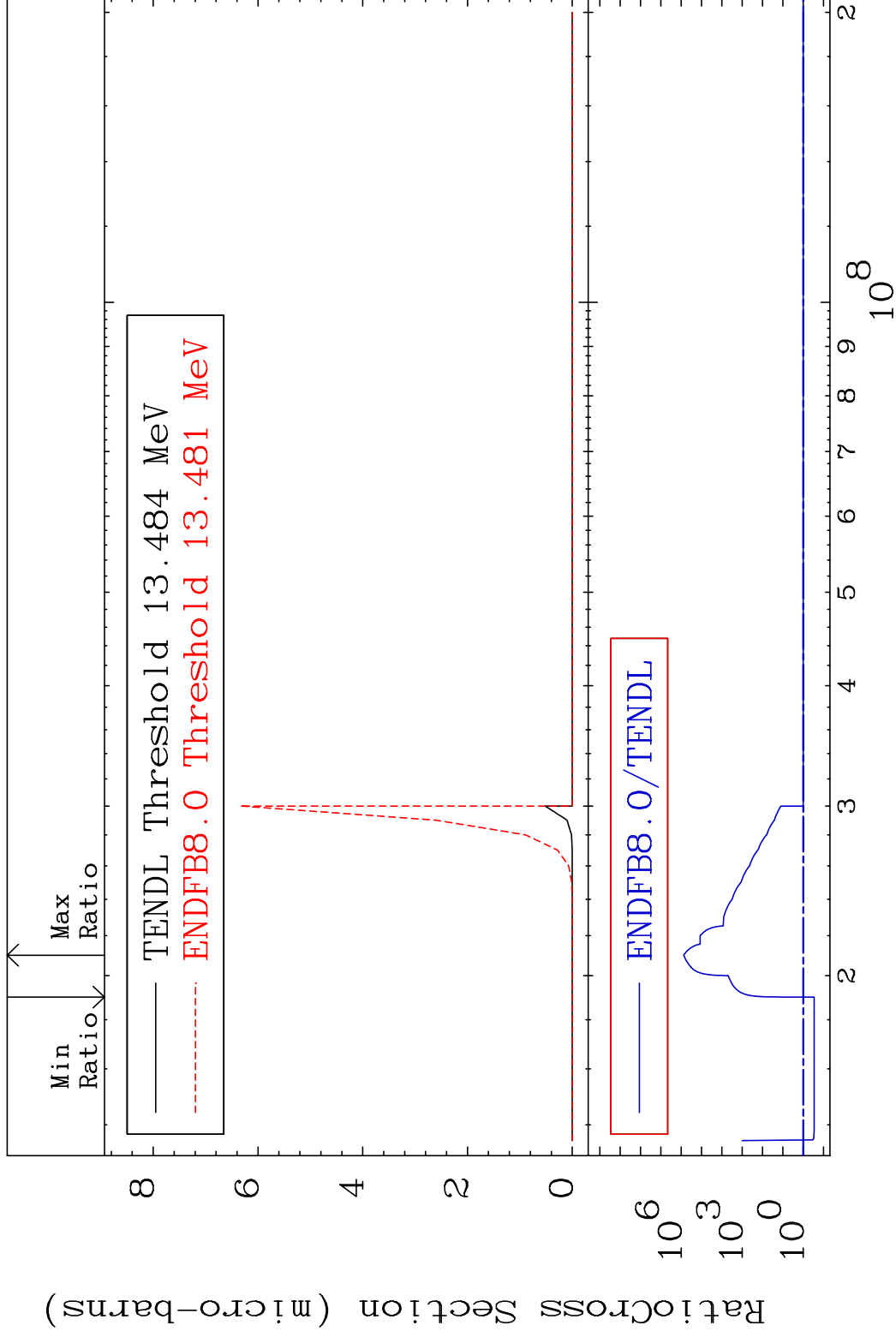


MAT 8046

(n,3n) α

80-Hg-203

Cross Section -71.04 To 9999. %



10

Incident Energy (eV)

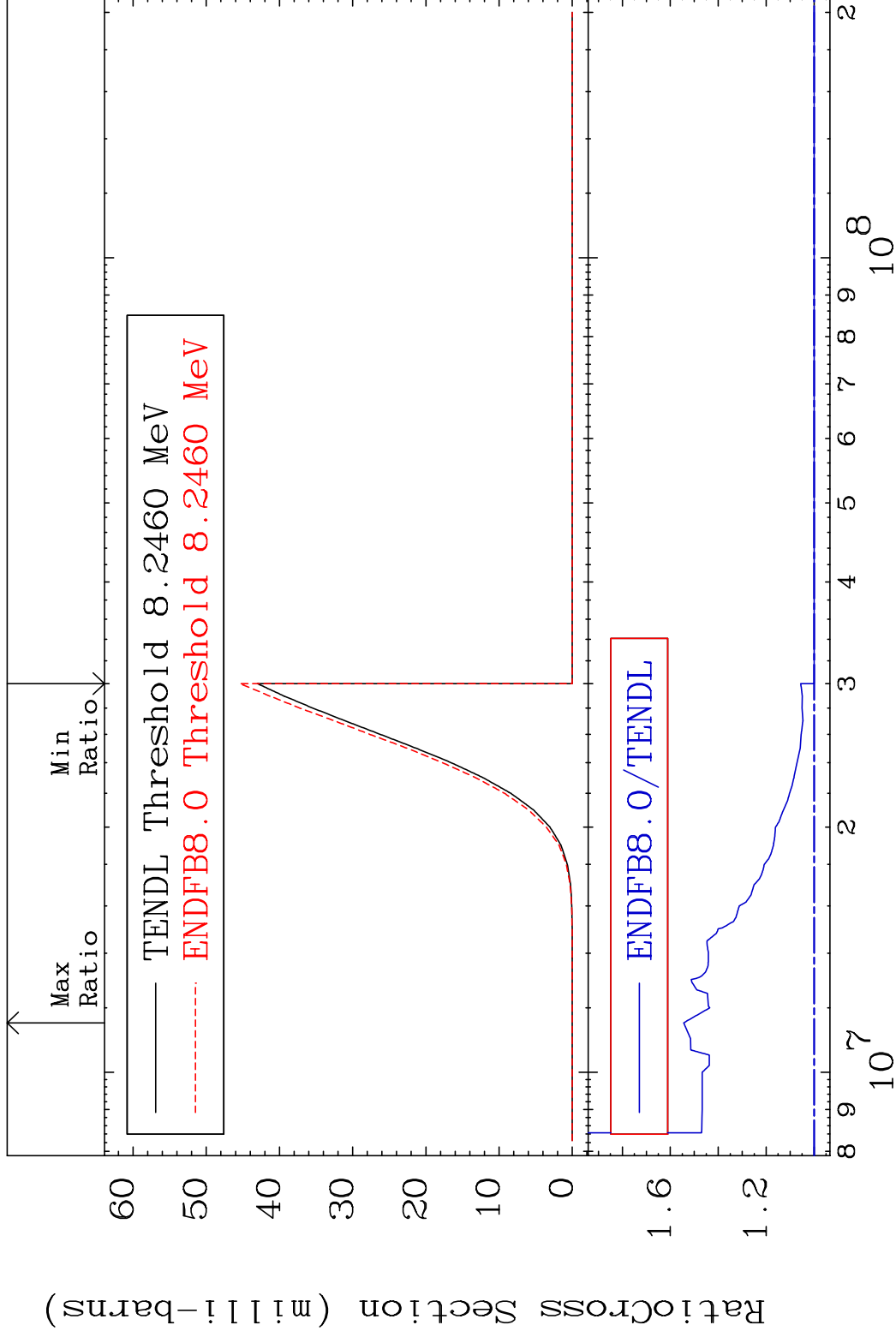
80-Hg-203

MAT 8046

(n, n') p

80-Hg-203

Cross Section 0.000 To 54.43 %



11

Incident Energy (eV)

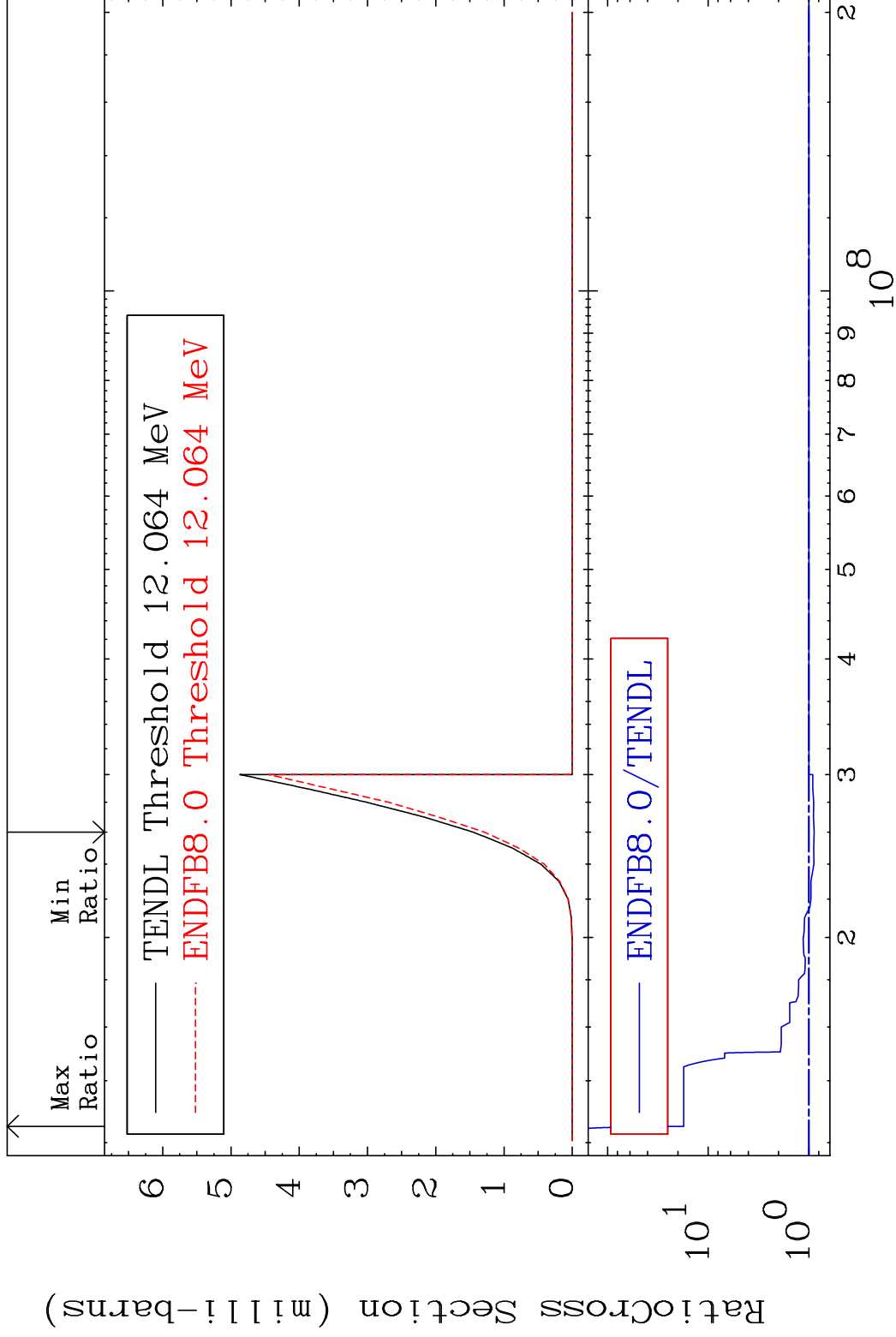
80-Hg-203

MAT 8046

(n, n') d

80-Hg-203

Cross Section -11.29 To 1654. %

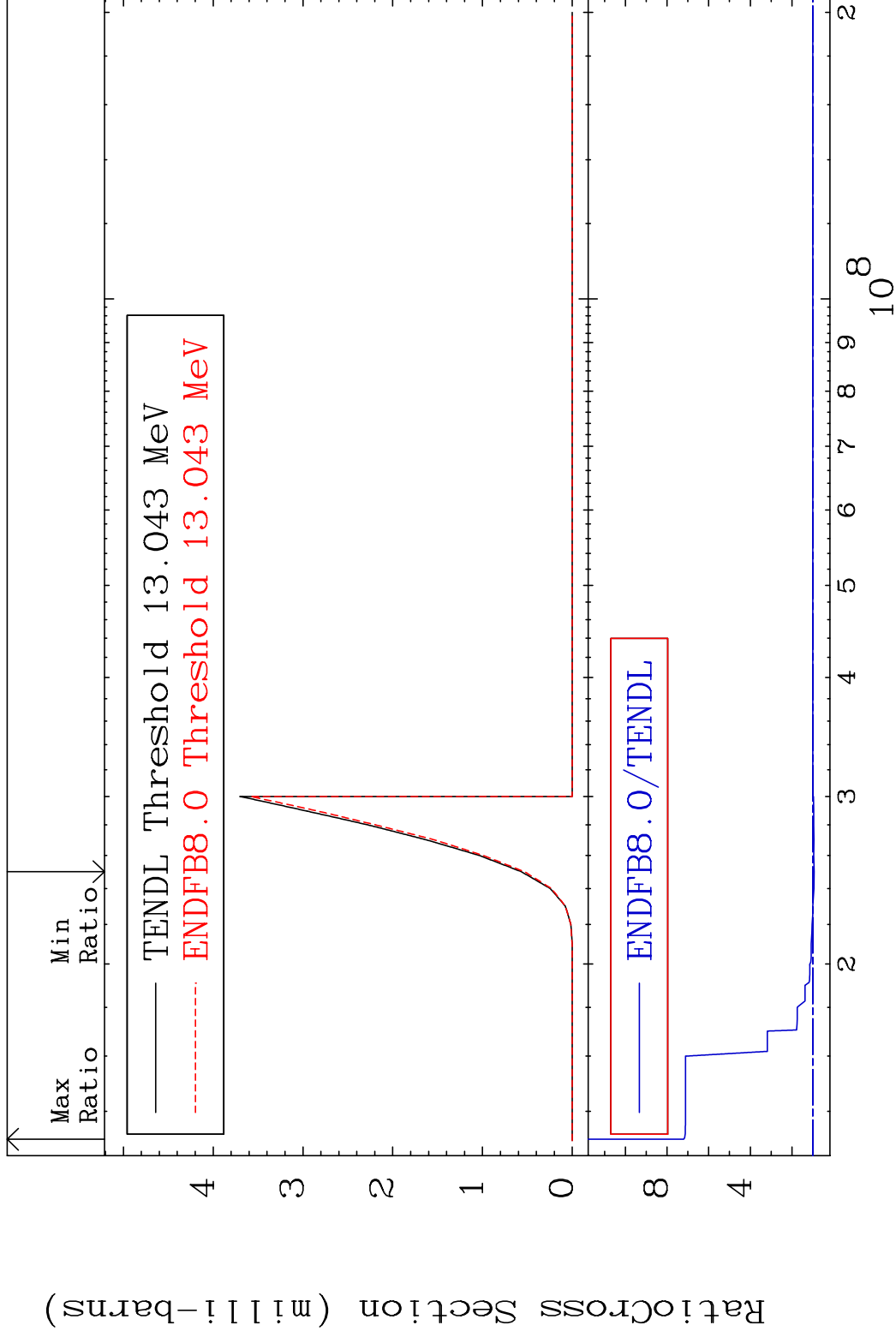


MAT 8046

(n, n') t

80-Hg-203

Cross Section -6.307 To 620.1 %



13

Incident Energy (eV)

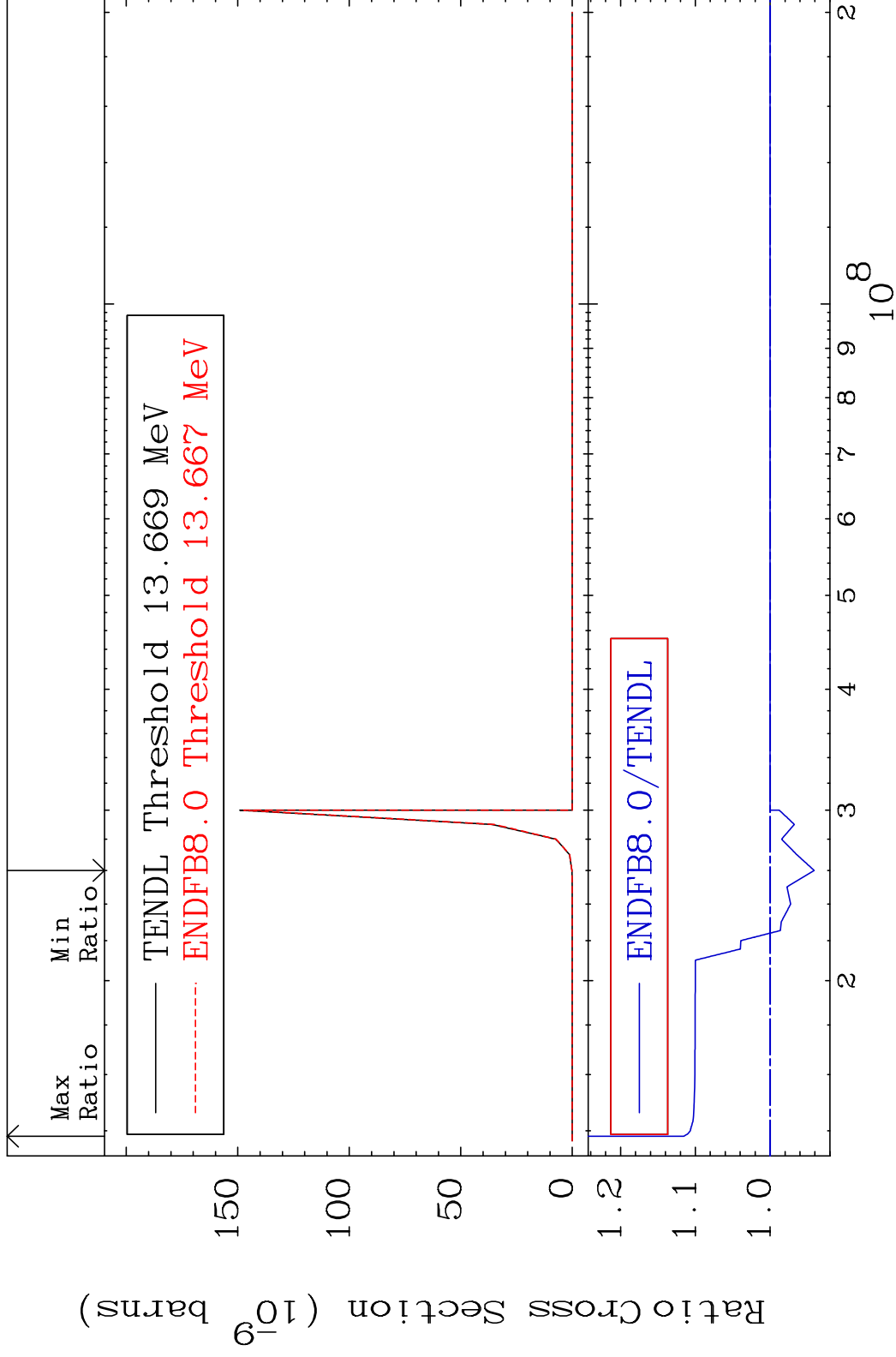
80-Hg-203

MAT 8046

(n,n') He-3

80-Hg-203

Cross Section -5.886 To 11.56 %

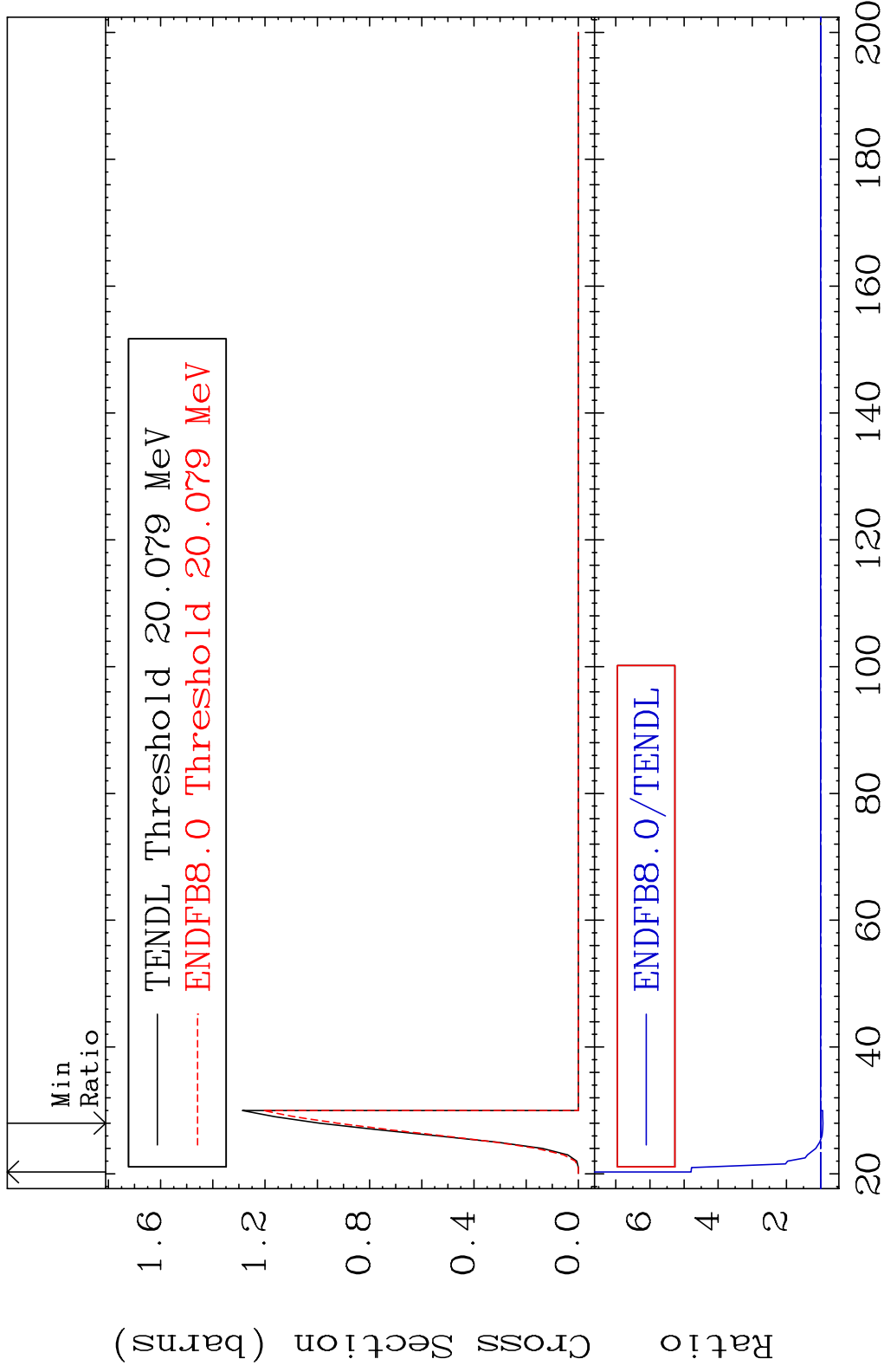


MAT 8046

(n,4n)

80-Hg-203

Cross Section -6.733 To 379.6 %

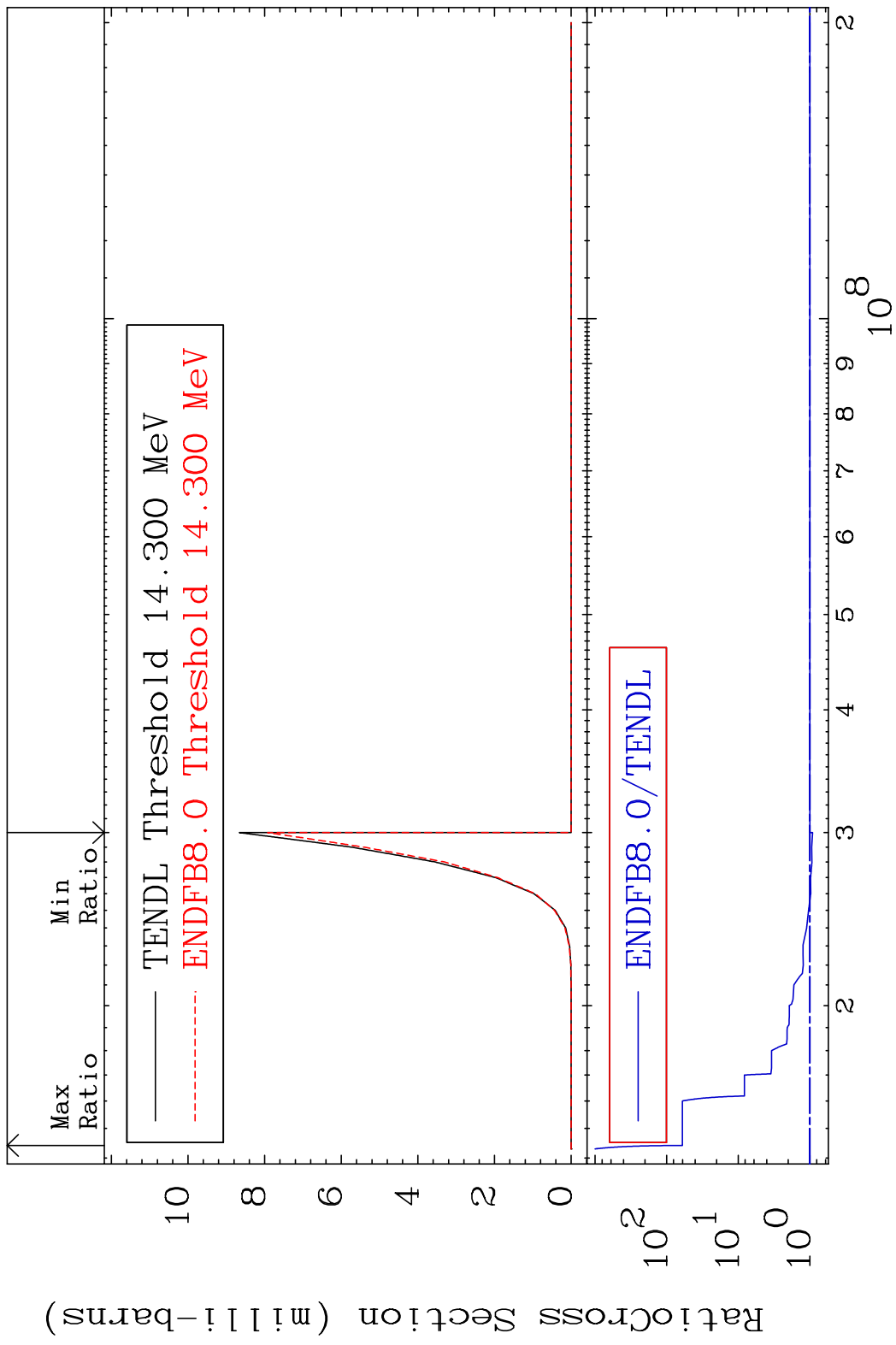


15

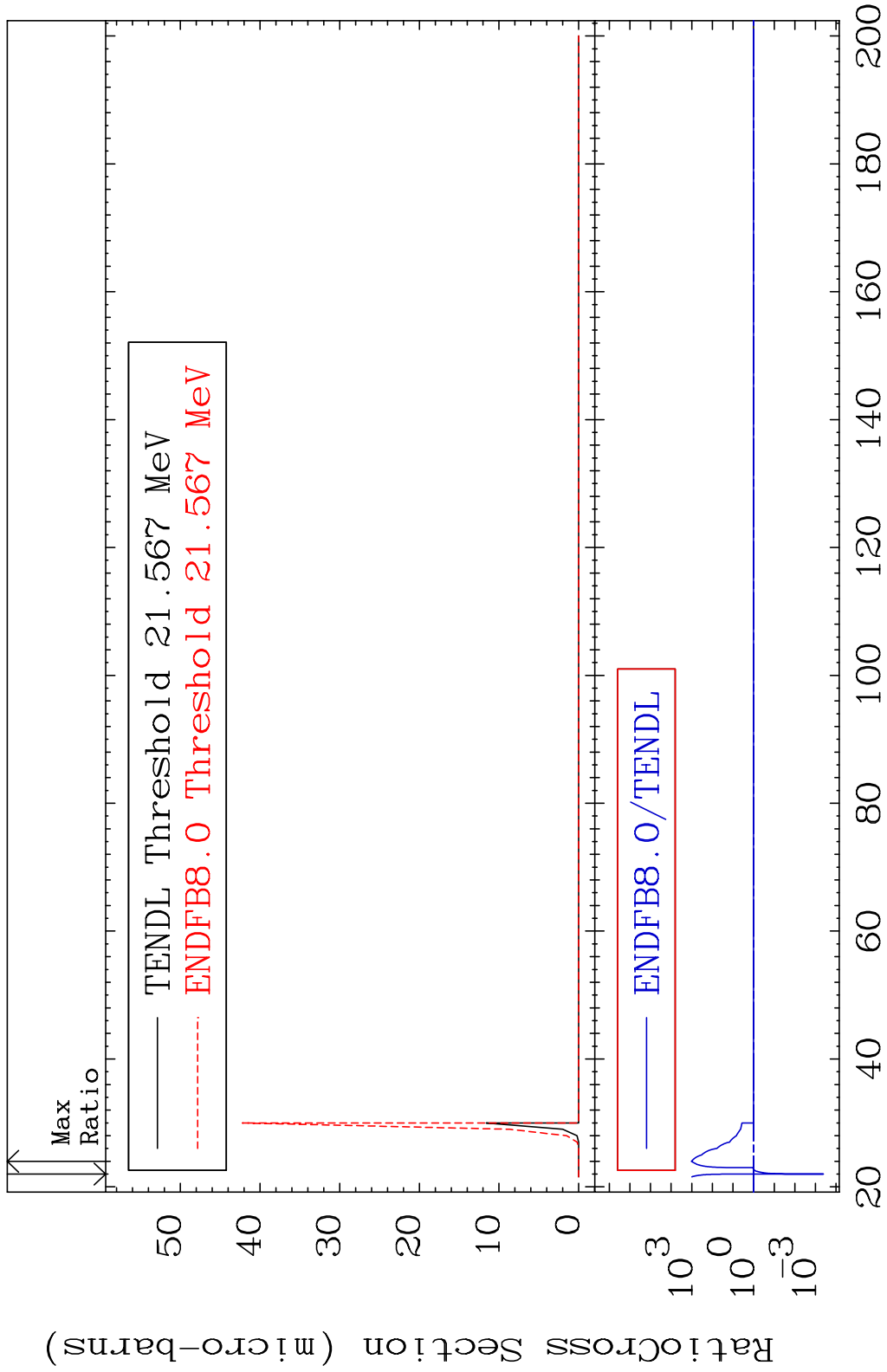
Incident Energy (MeV)

80-Hg-203

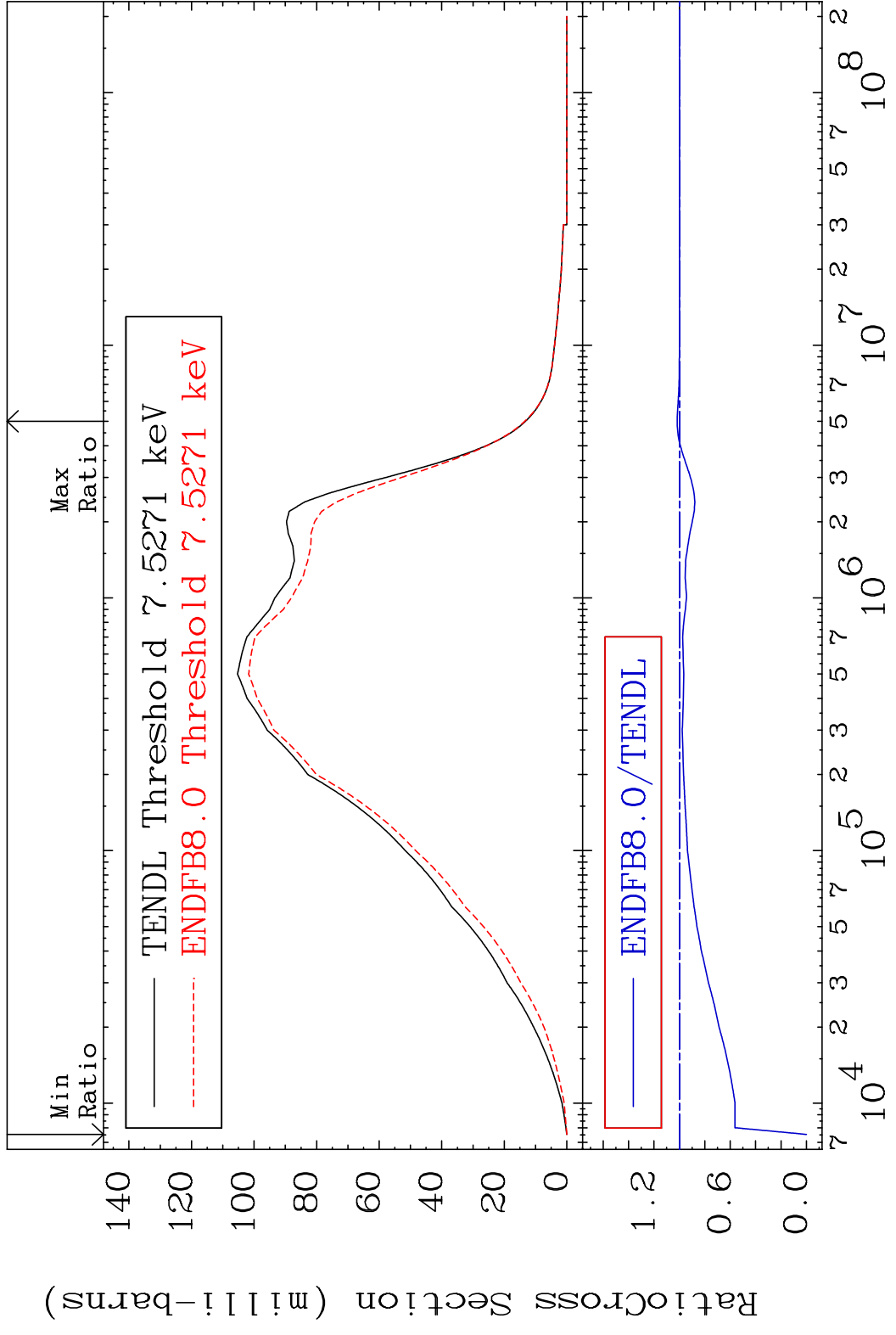
MAT 8046 (n,2n) p 80-Hg-203
 Cross Section -8.499 To 5933. %



MAT 8046 (n,3n) p 80-Hg-203
 Cross Section -99.96 To 9999. %

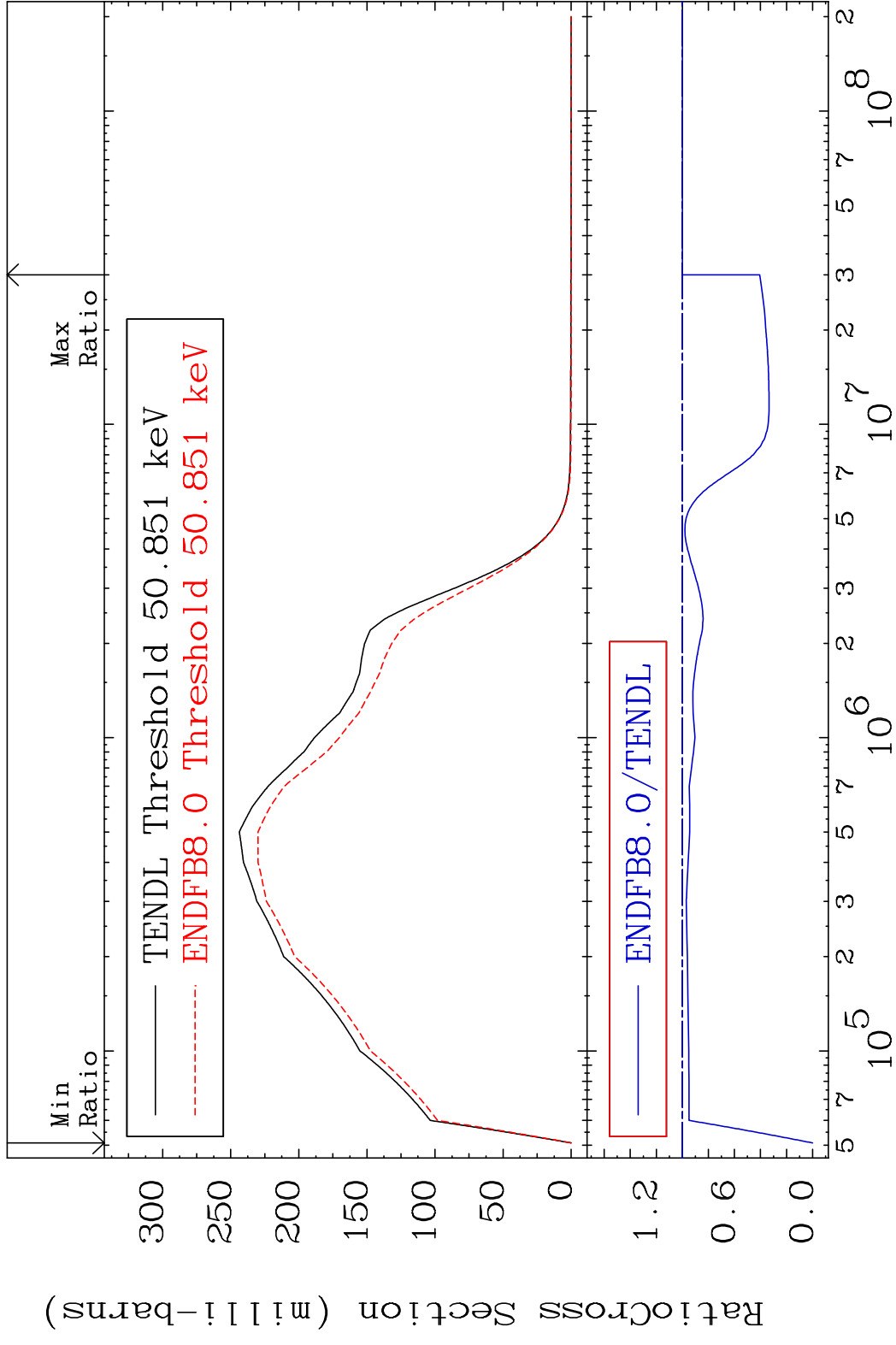


MAT 8046 MT= 51 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 1.740 %

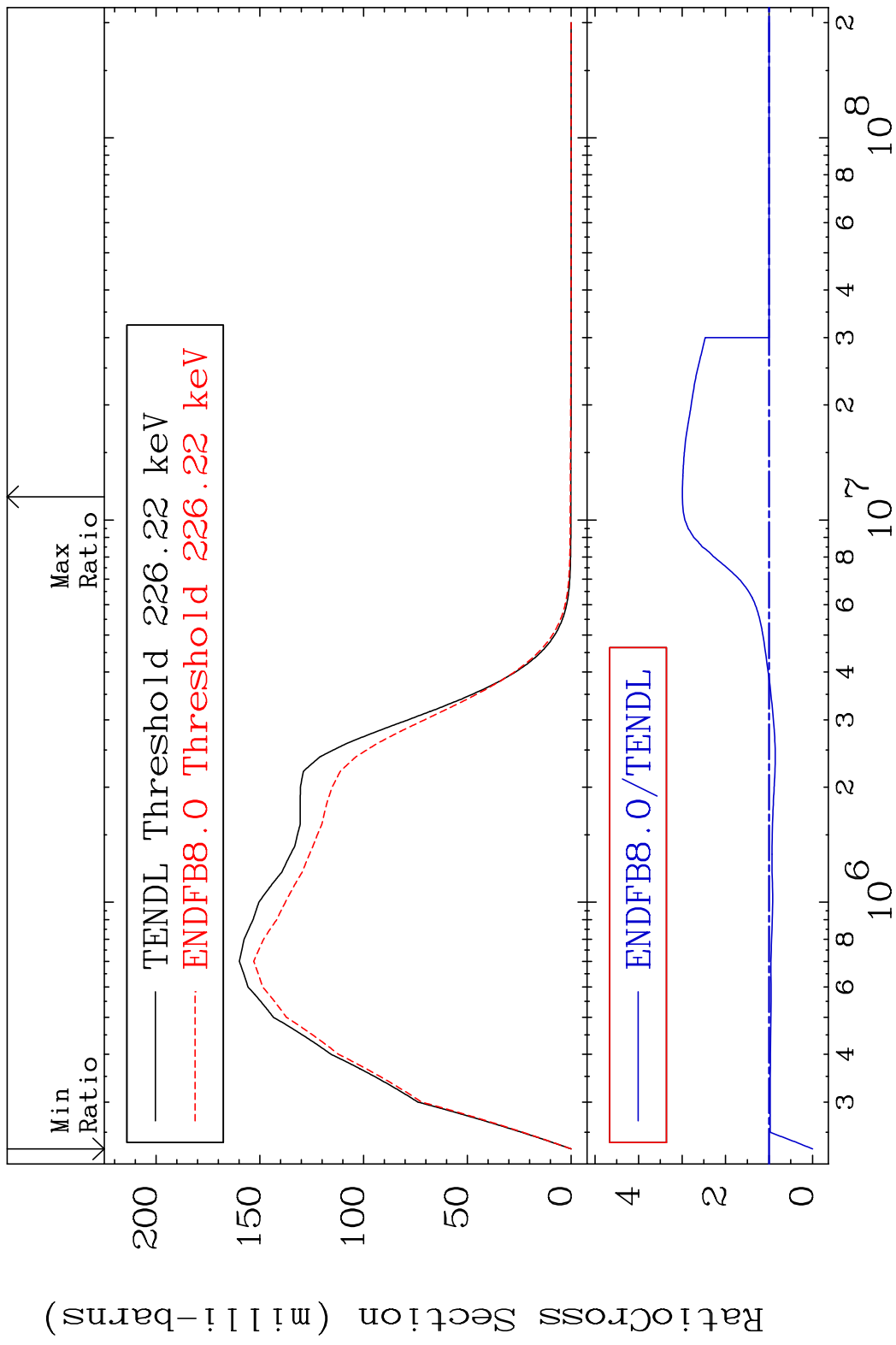


18 Incident Energy (eV) 80-Hg-203

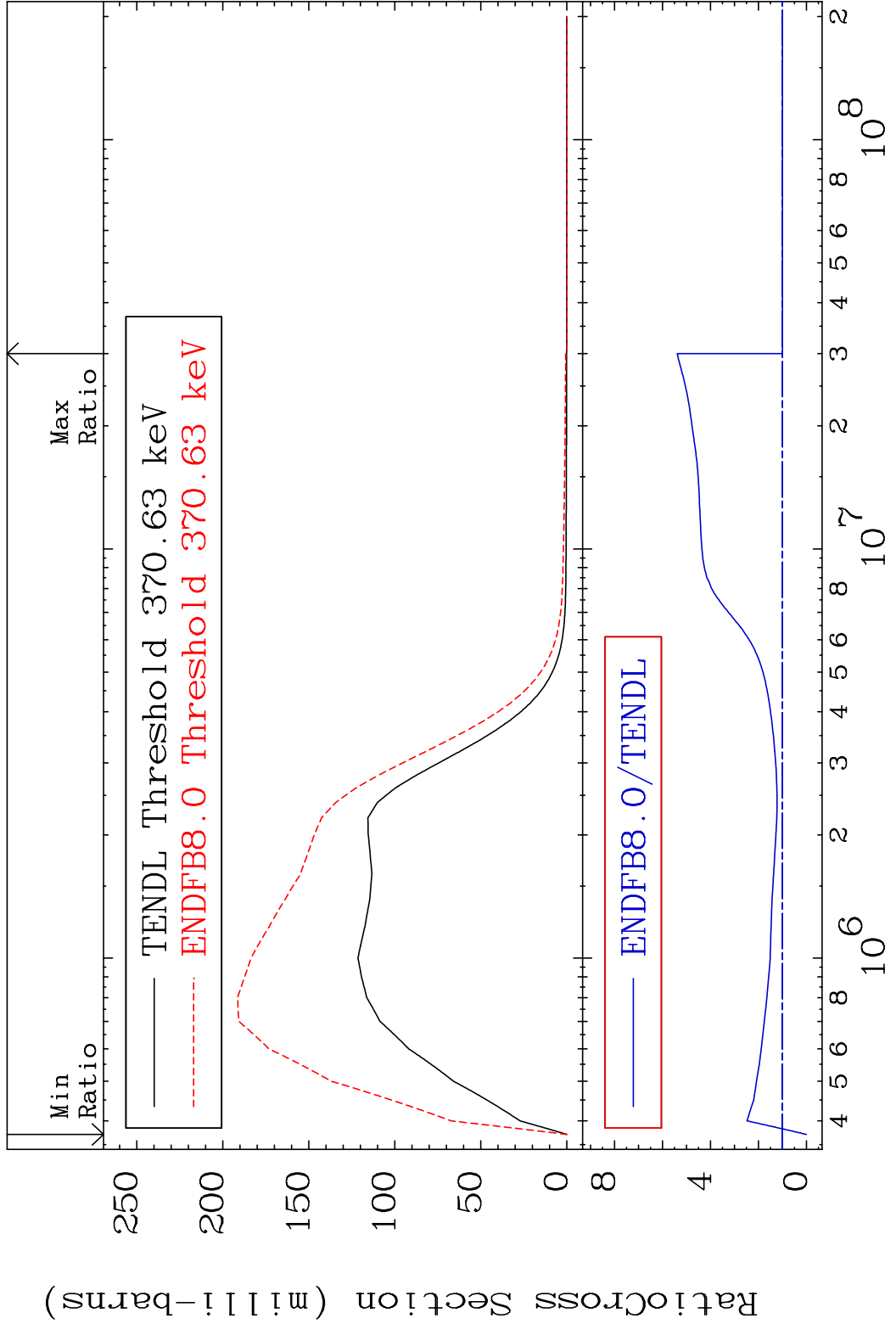
MAT 8046 MT= 52 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 0.000 %



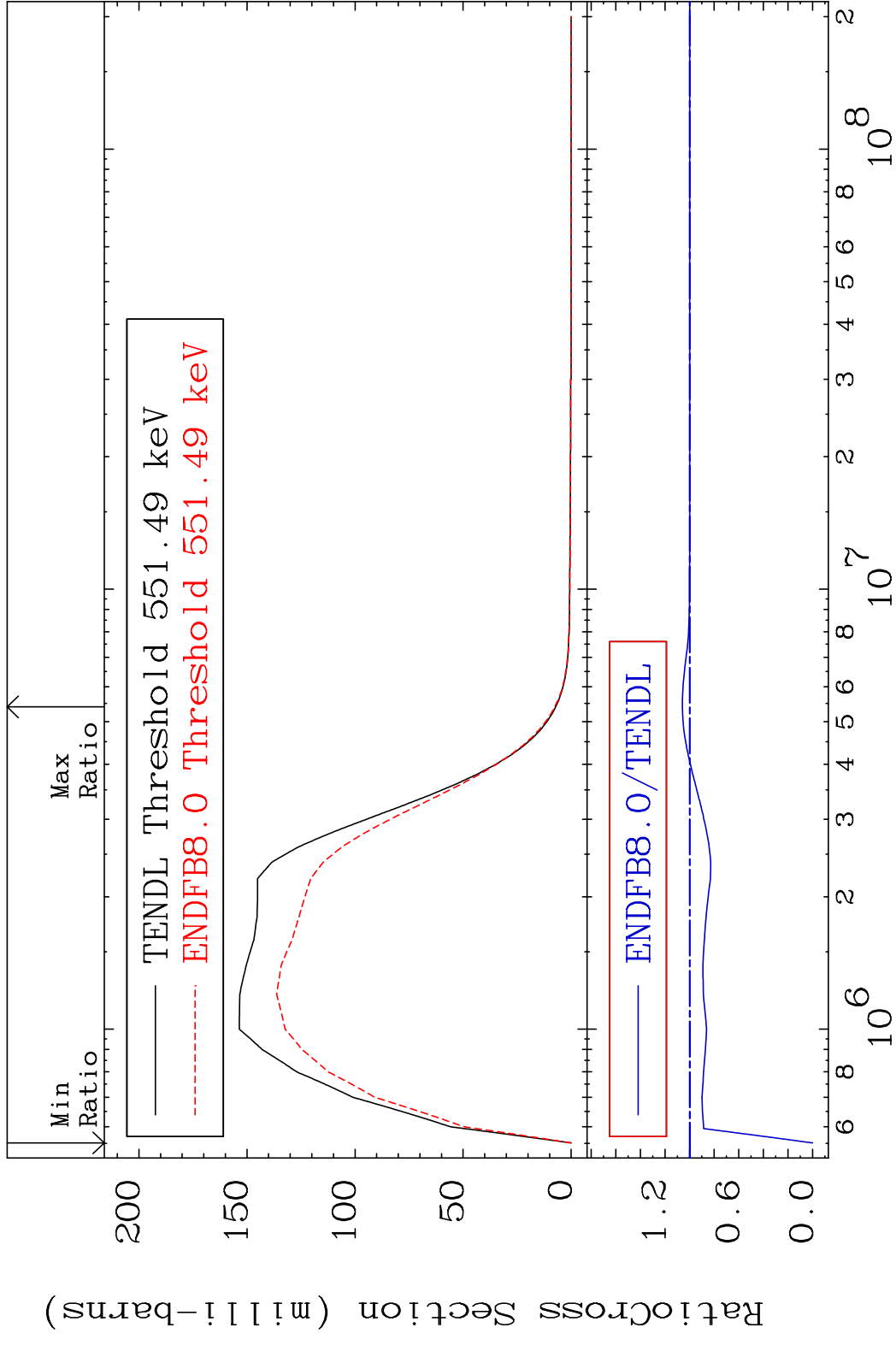
MAT 8046 MT= 53 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 199.3 %



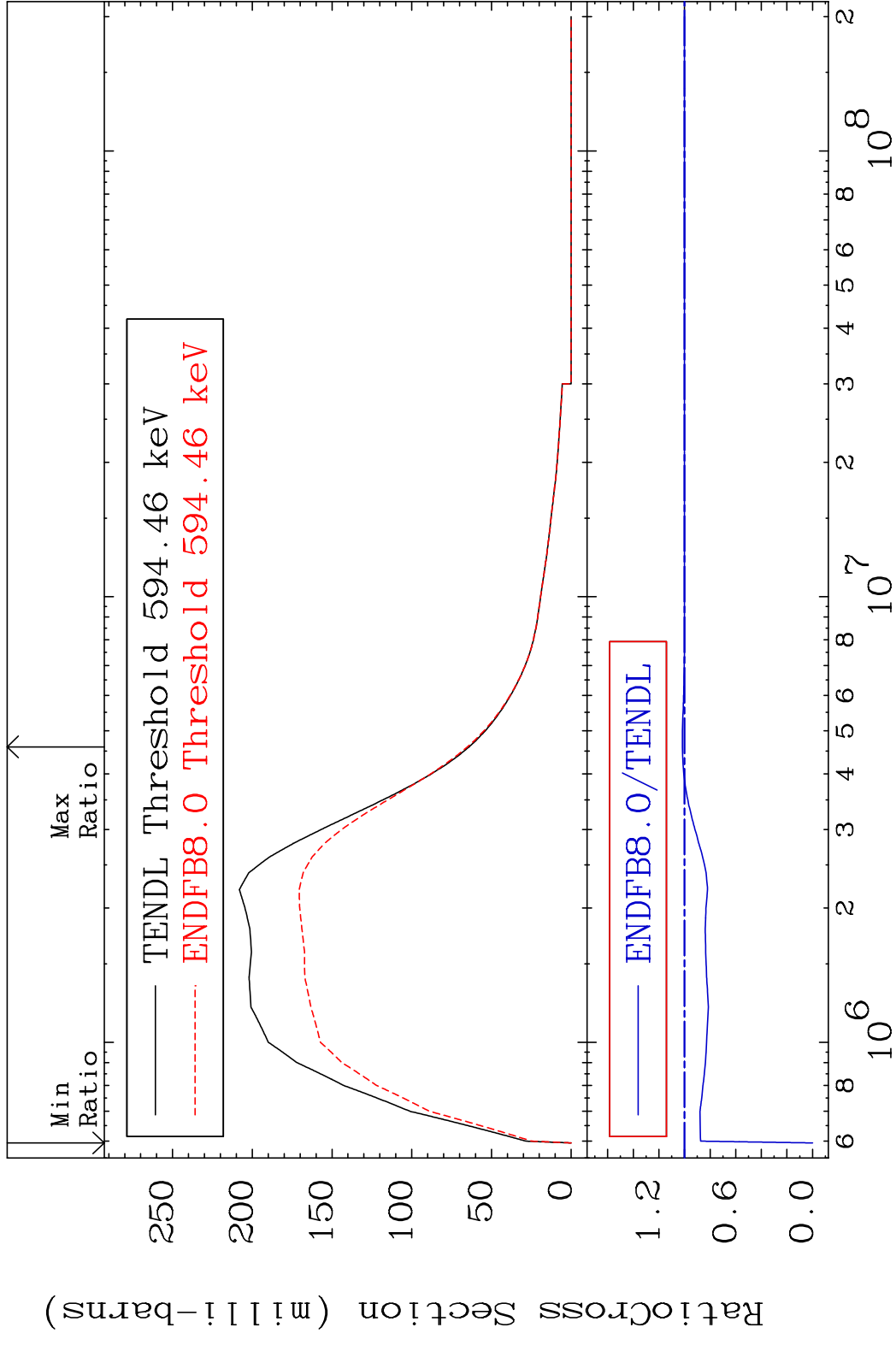
MAT 8046 MT= 54 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 438.5 %



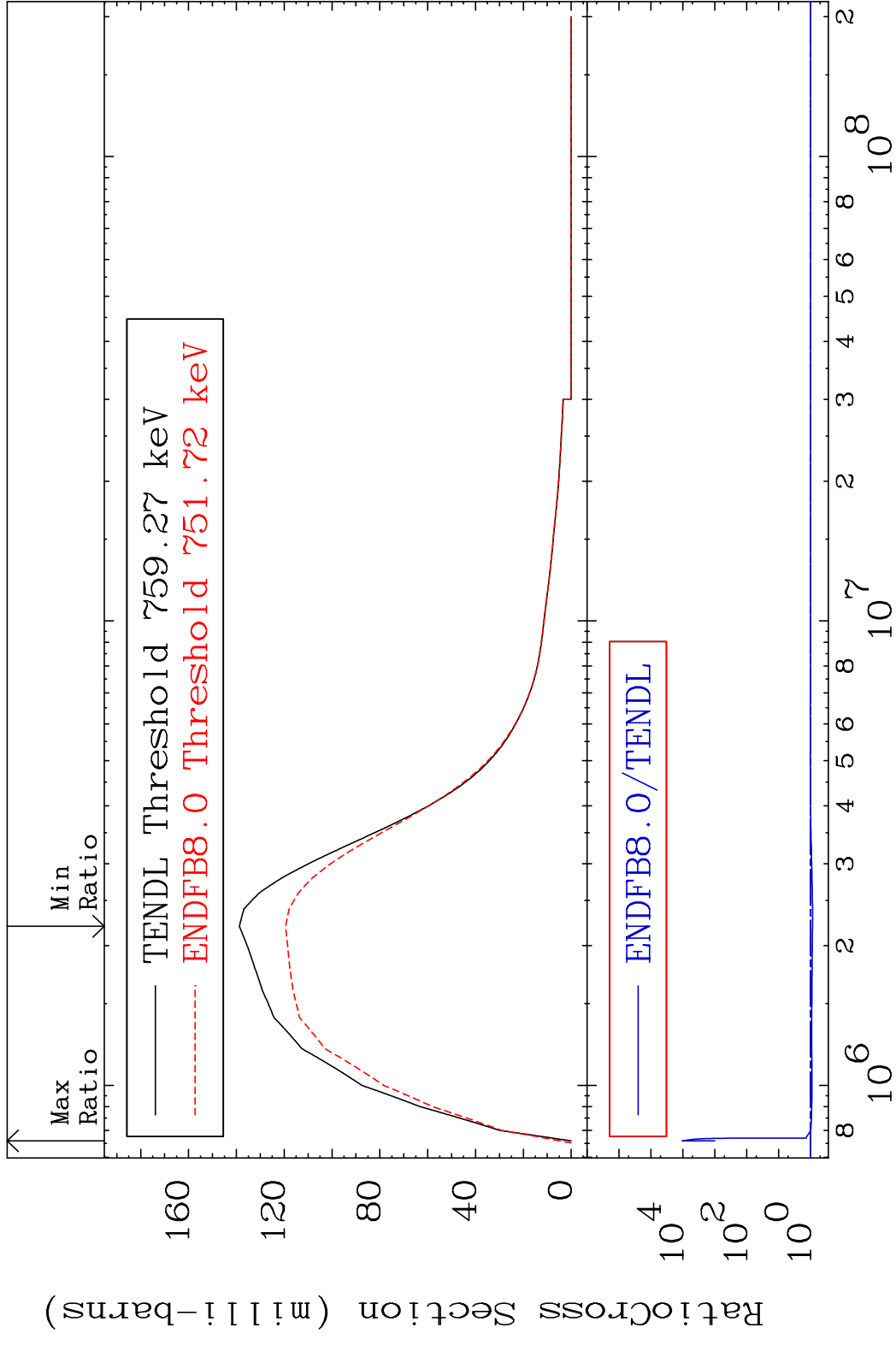
MAT 8046 MT= 55 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 5.884 %



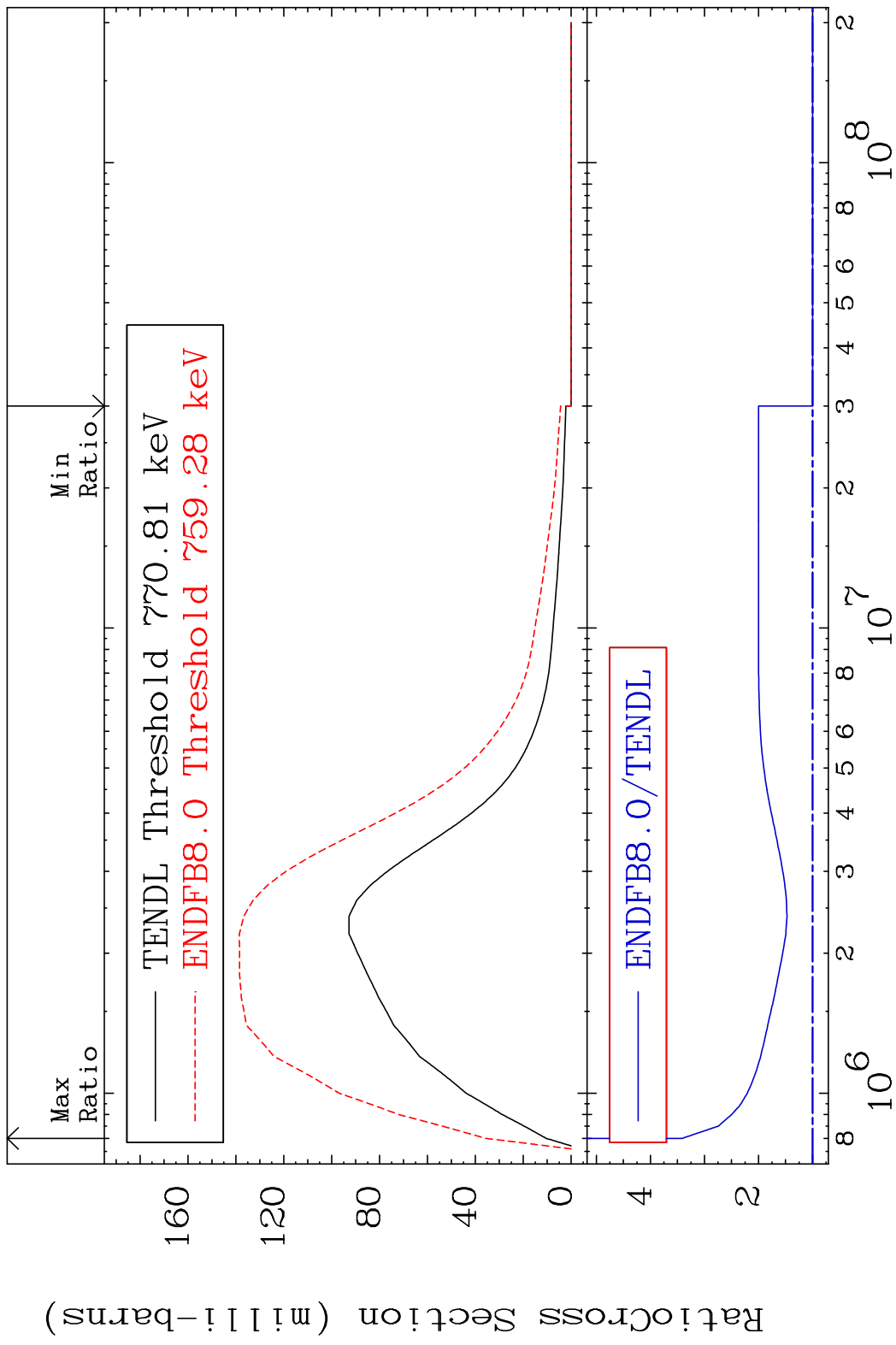
MAT 8046 MT= 56 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 1.668 %



MAT 8046 MT= 57 (n, n') Level 80-Hg-203
 Cross Section -13.92 To 9999. %

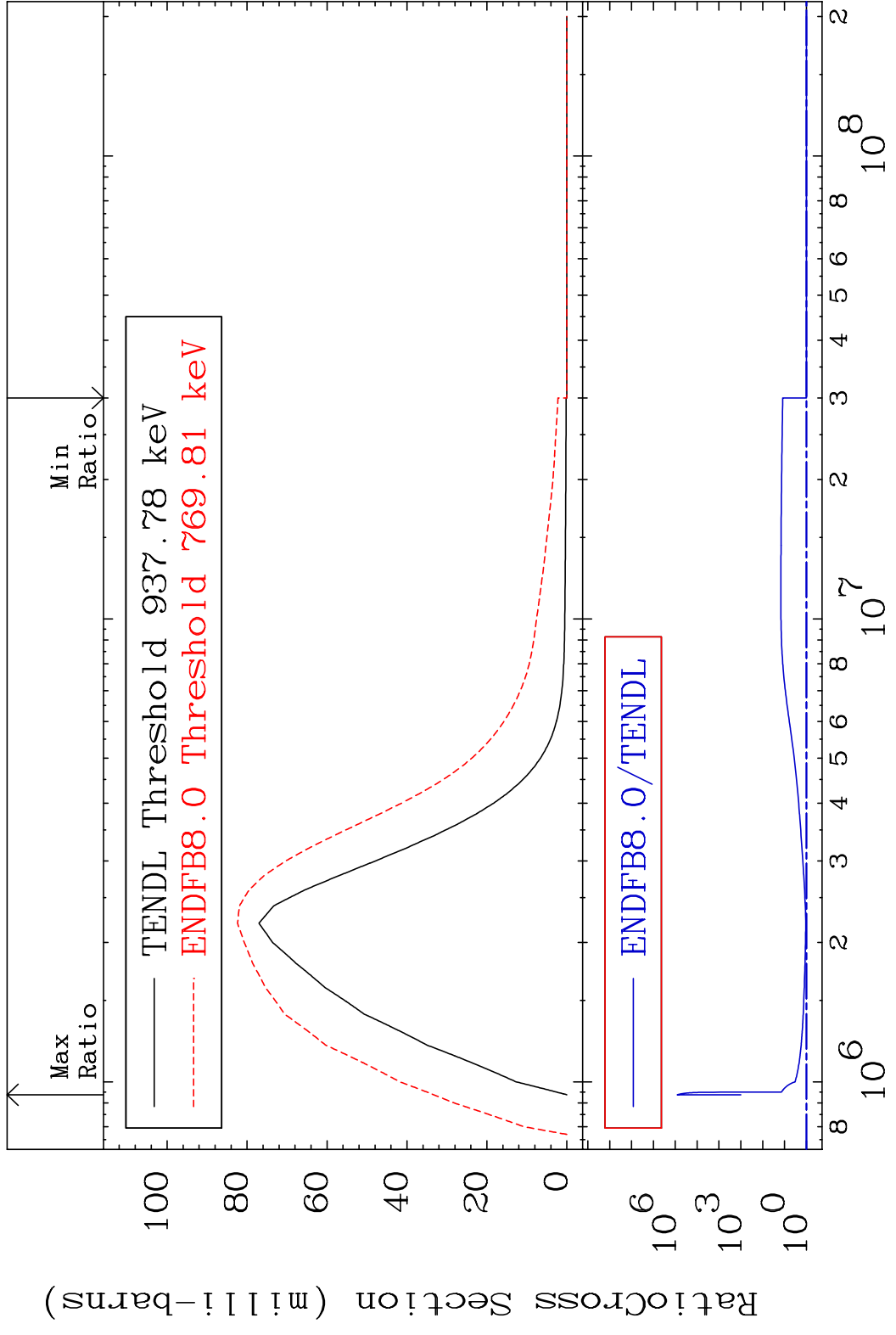


MAT 8046 MT= 58 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 241.0 %



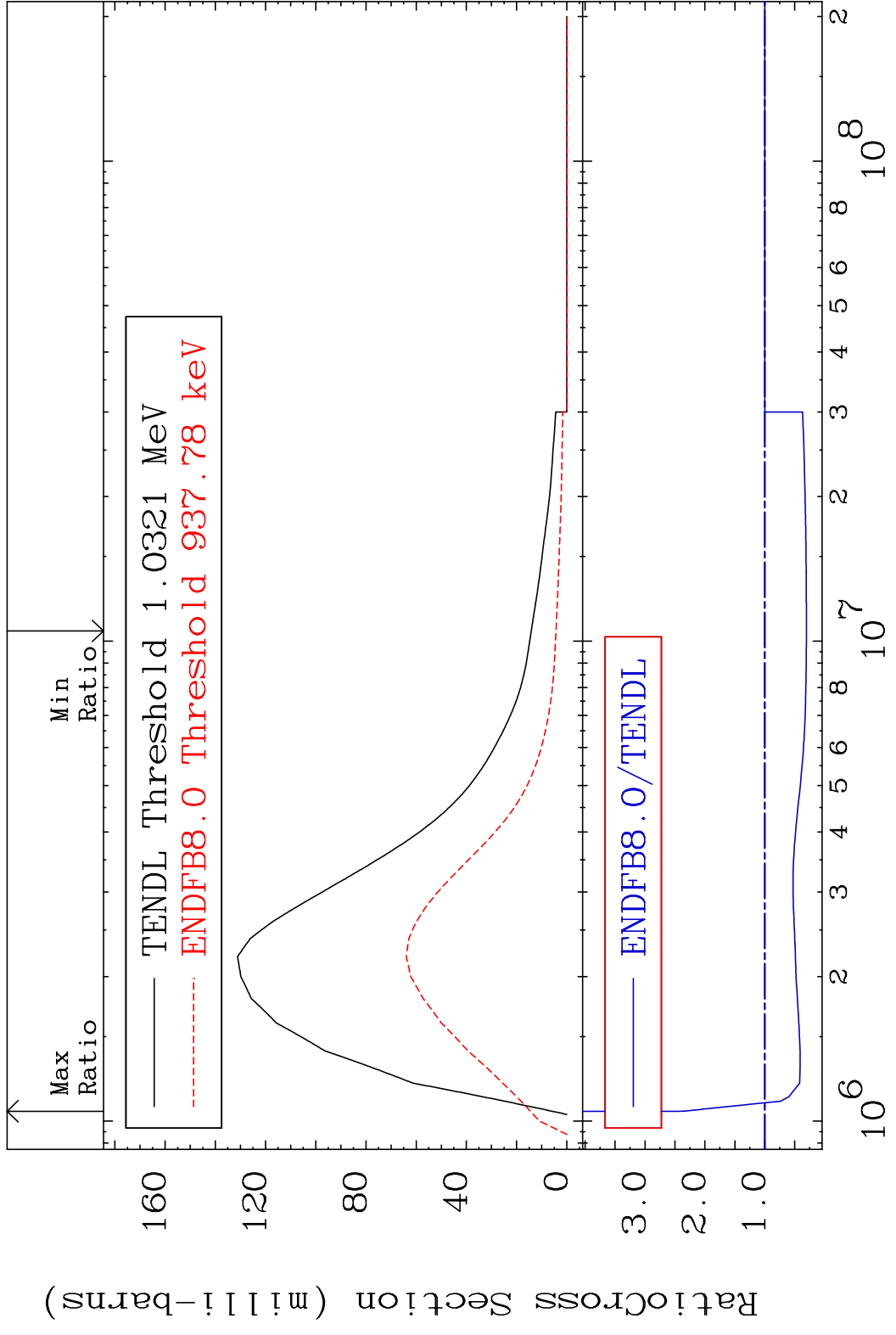
25 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 59 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 9999. %



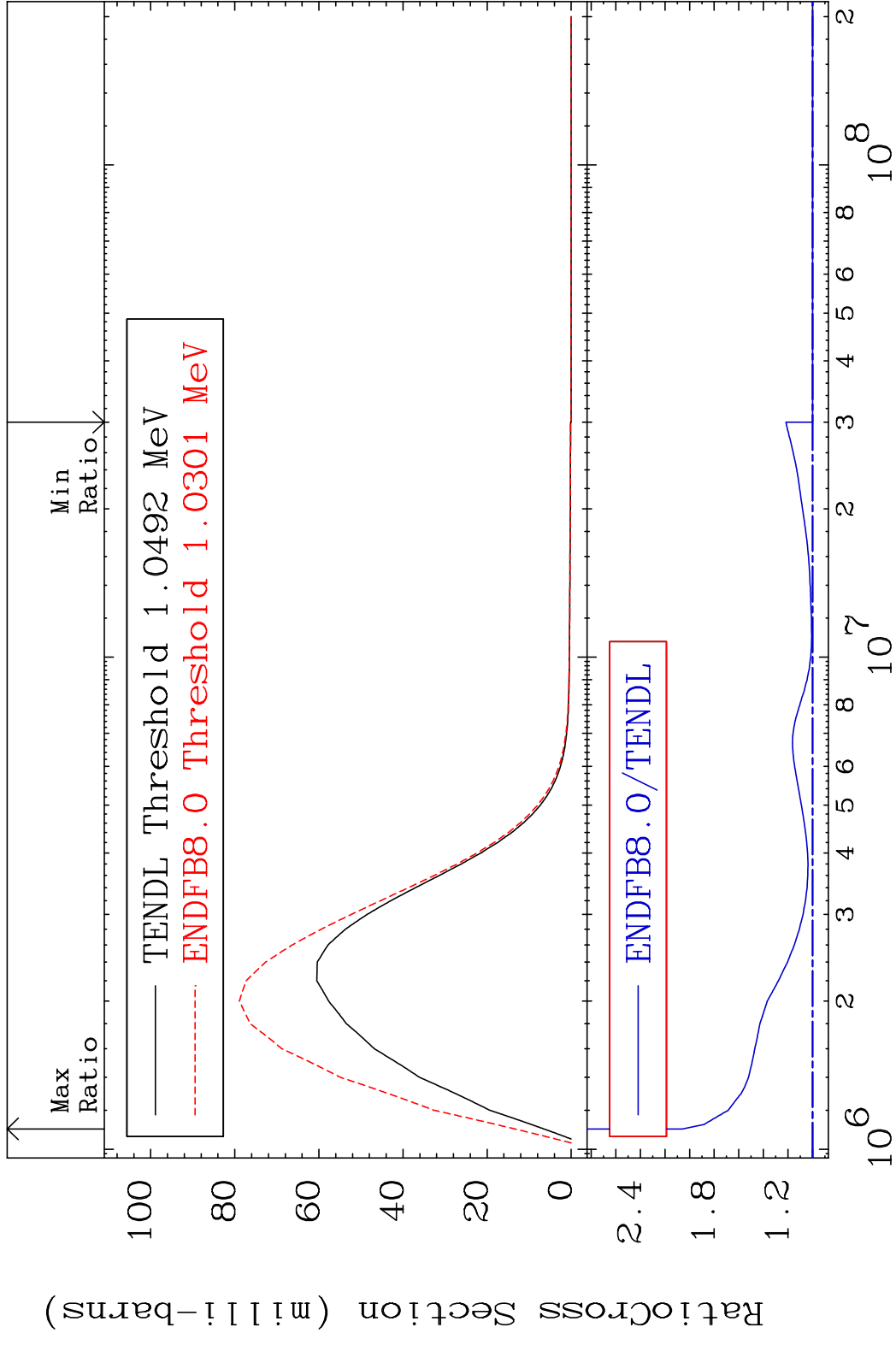
26 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 60 (n, n') Level 80-Hg-203
 Cross Section -69.47 To 146.3 %



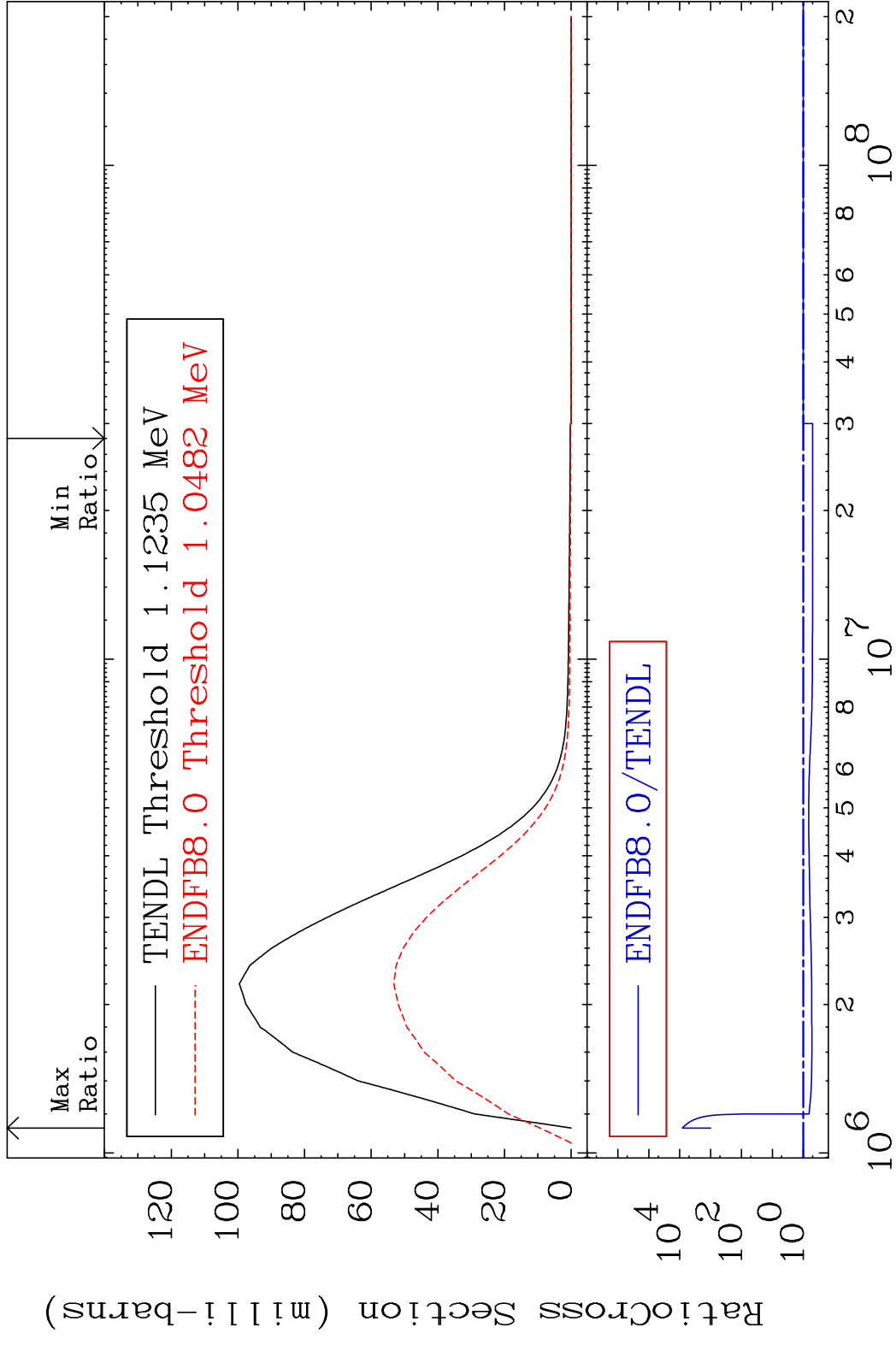
27 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 61 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 105.9 %



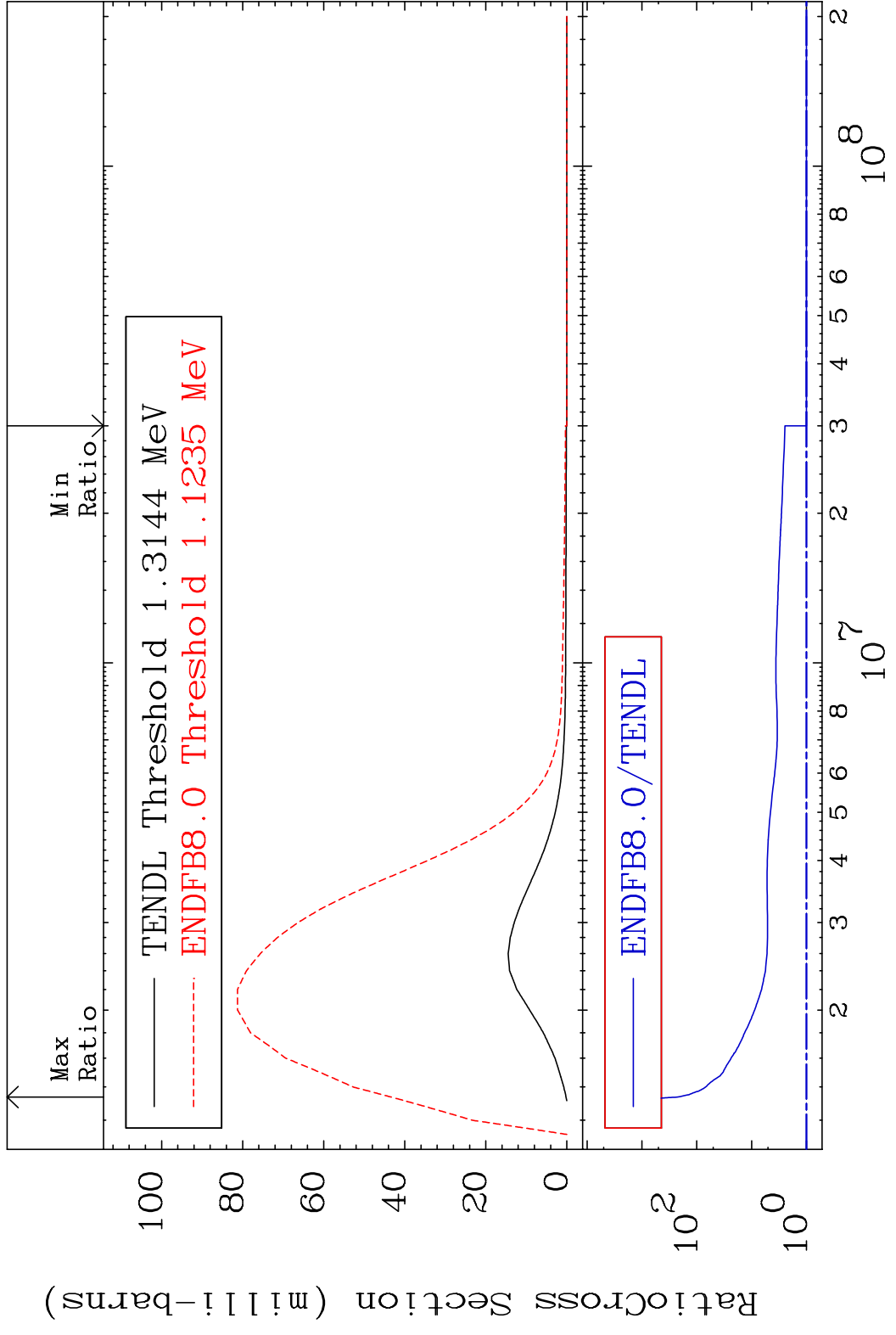
28 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 62 (n, n') Level 80-Hg-203
 Cross Section -49.99 To 9999. %

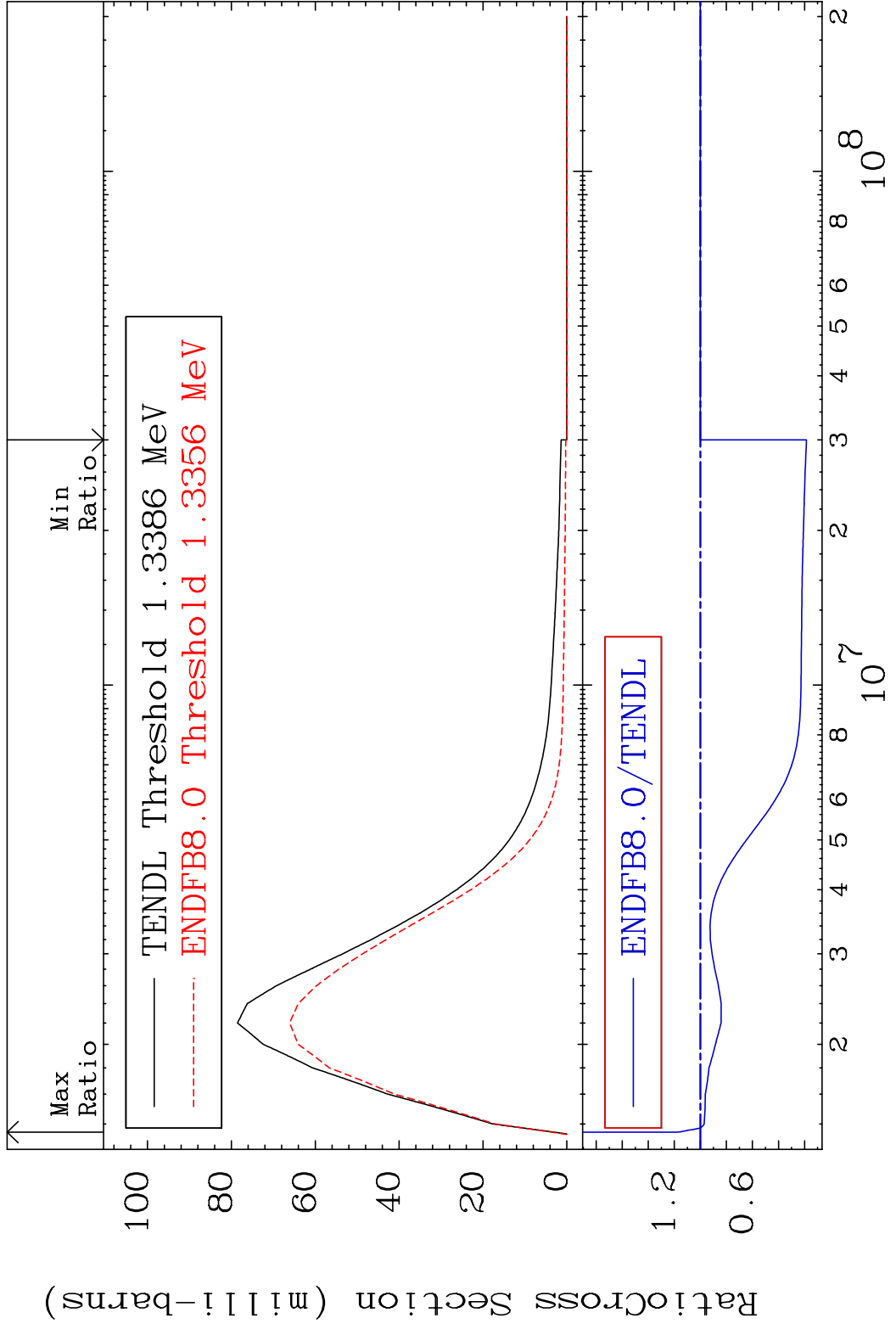


29 Incident Energy (eV) 80-Hg-203

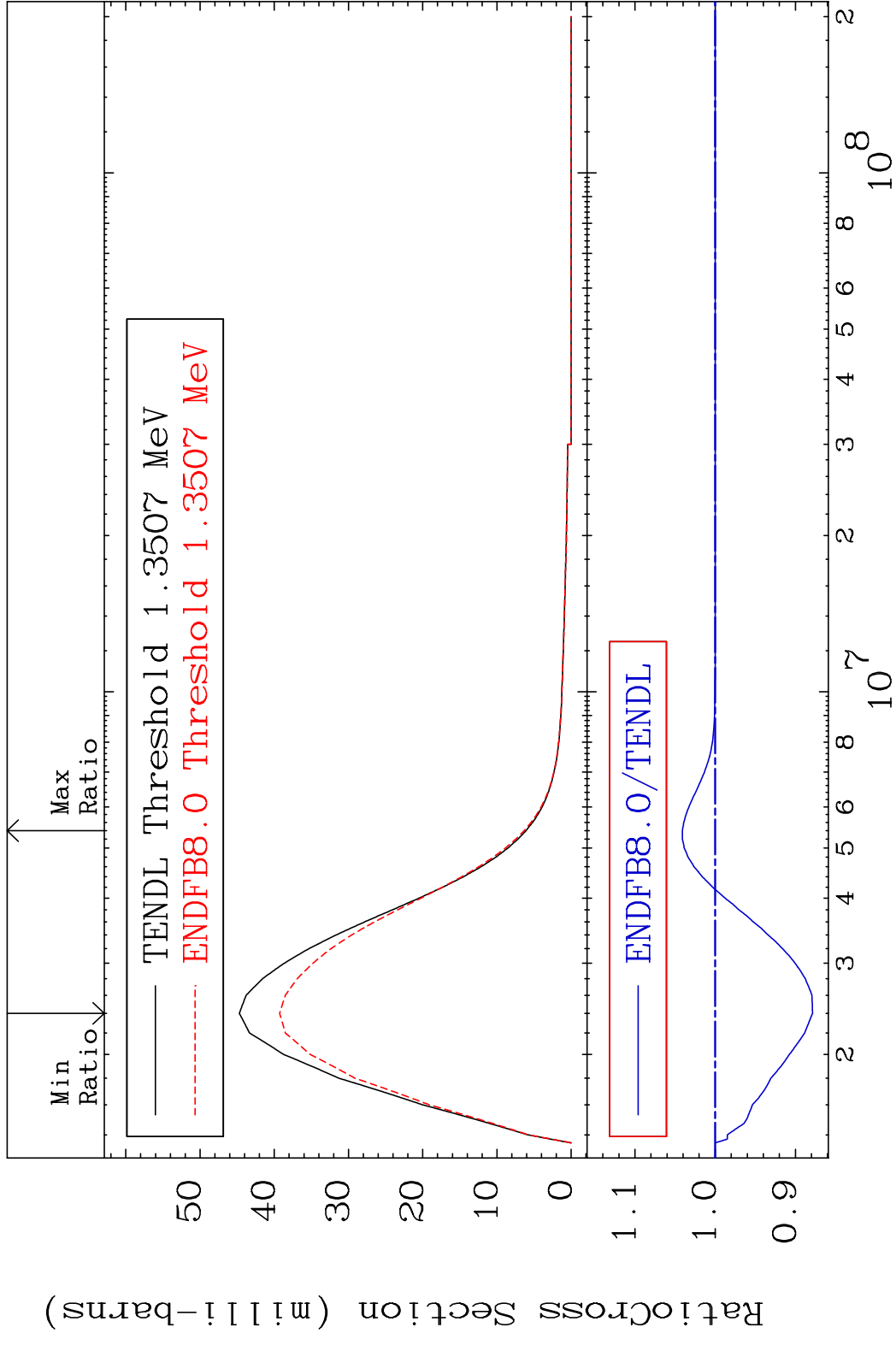
MAT 8046 MT= 63 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 9999. %



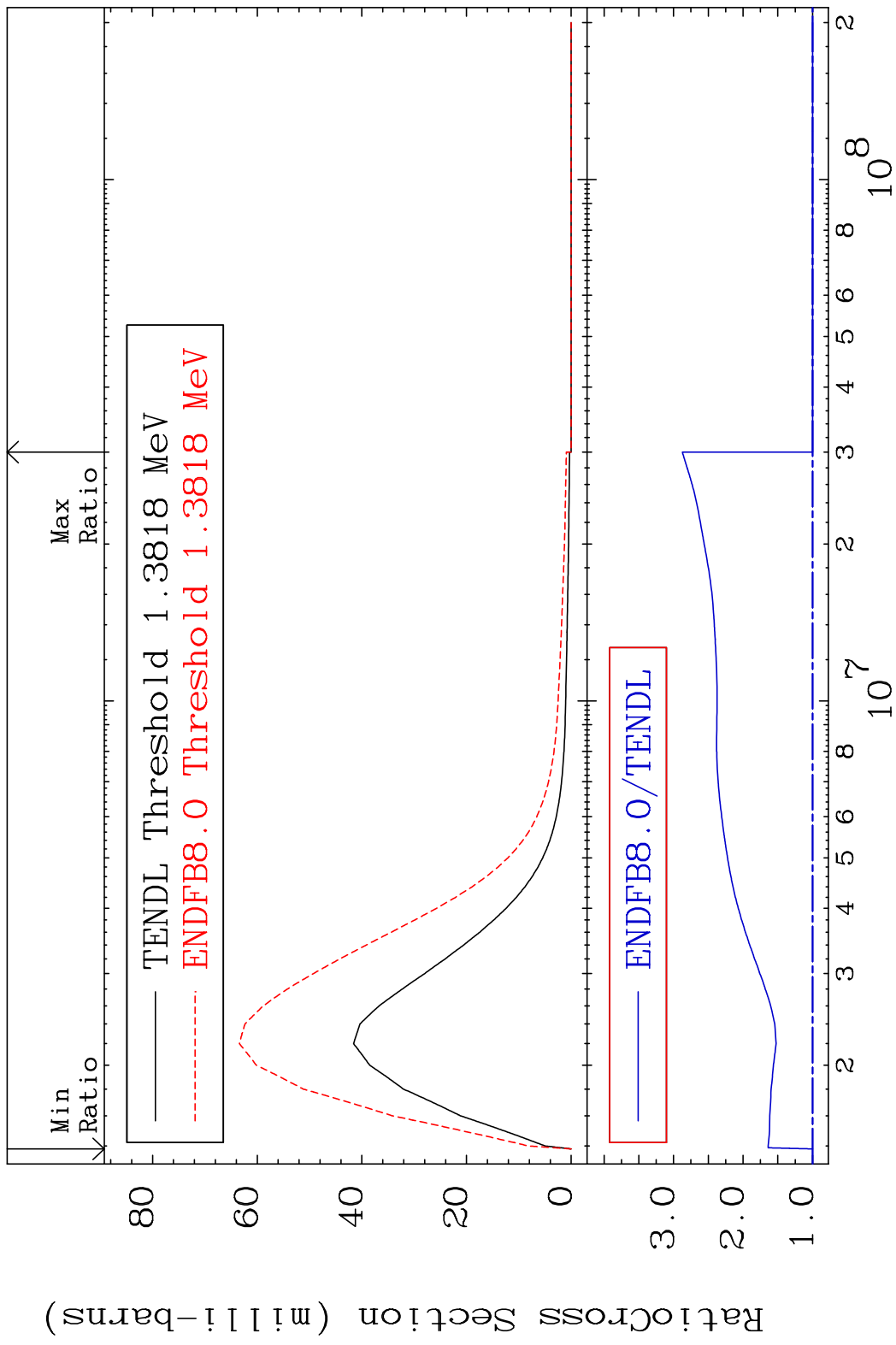
MAT 8046 MT= 64 (n, n') Level 80-Hg-203
 Cross Section -81.44 To 17.85 %



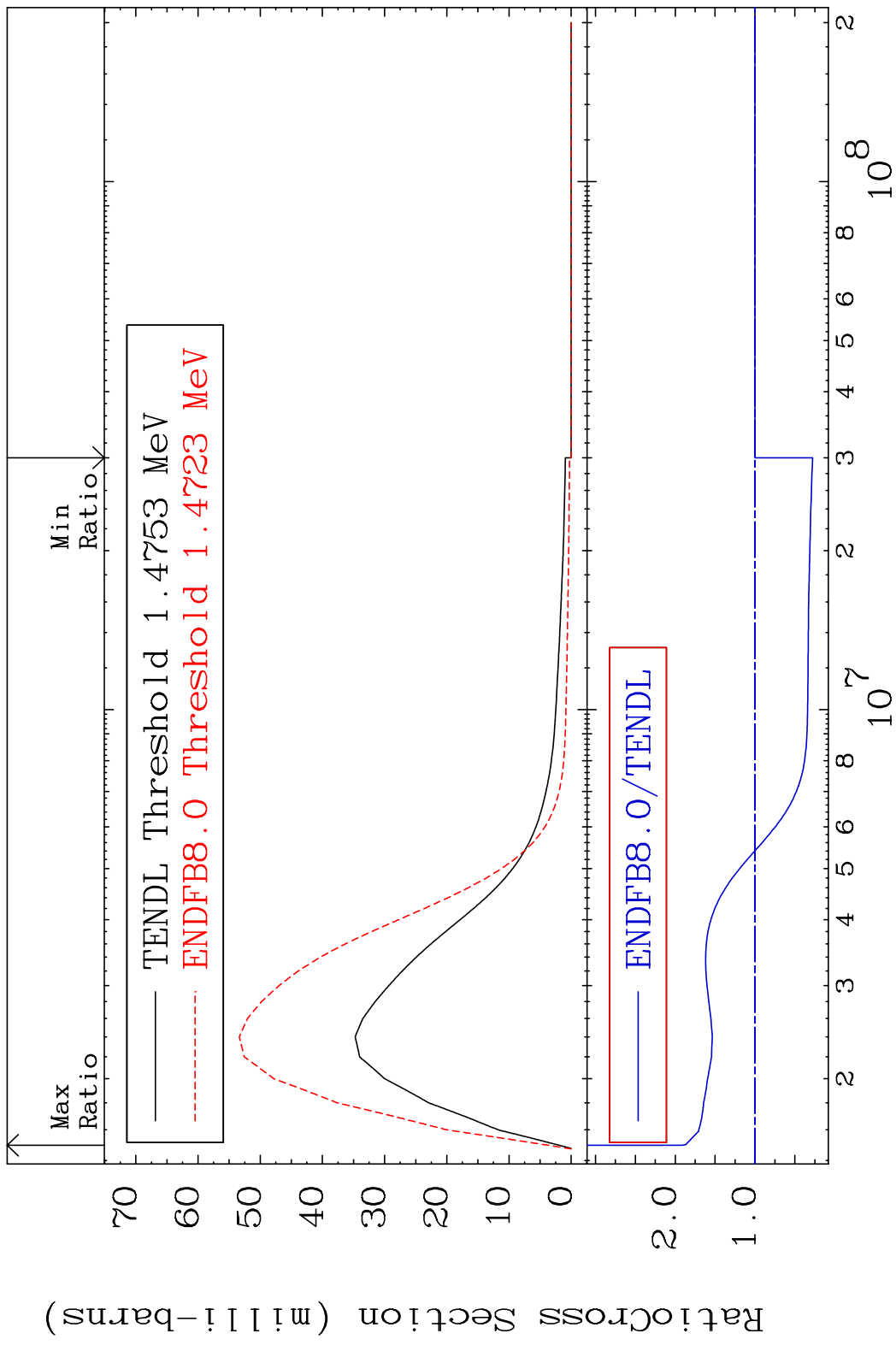
MAT 8046 MT= 65 (n, n') Level 80-Hg-203
 Cross Section -12.13 To 4.093 %



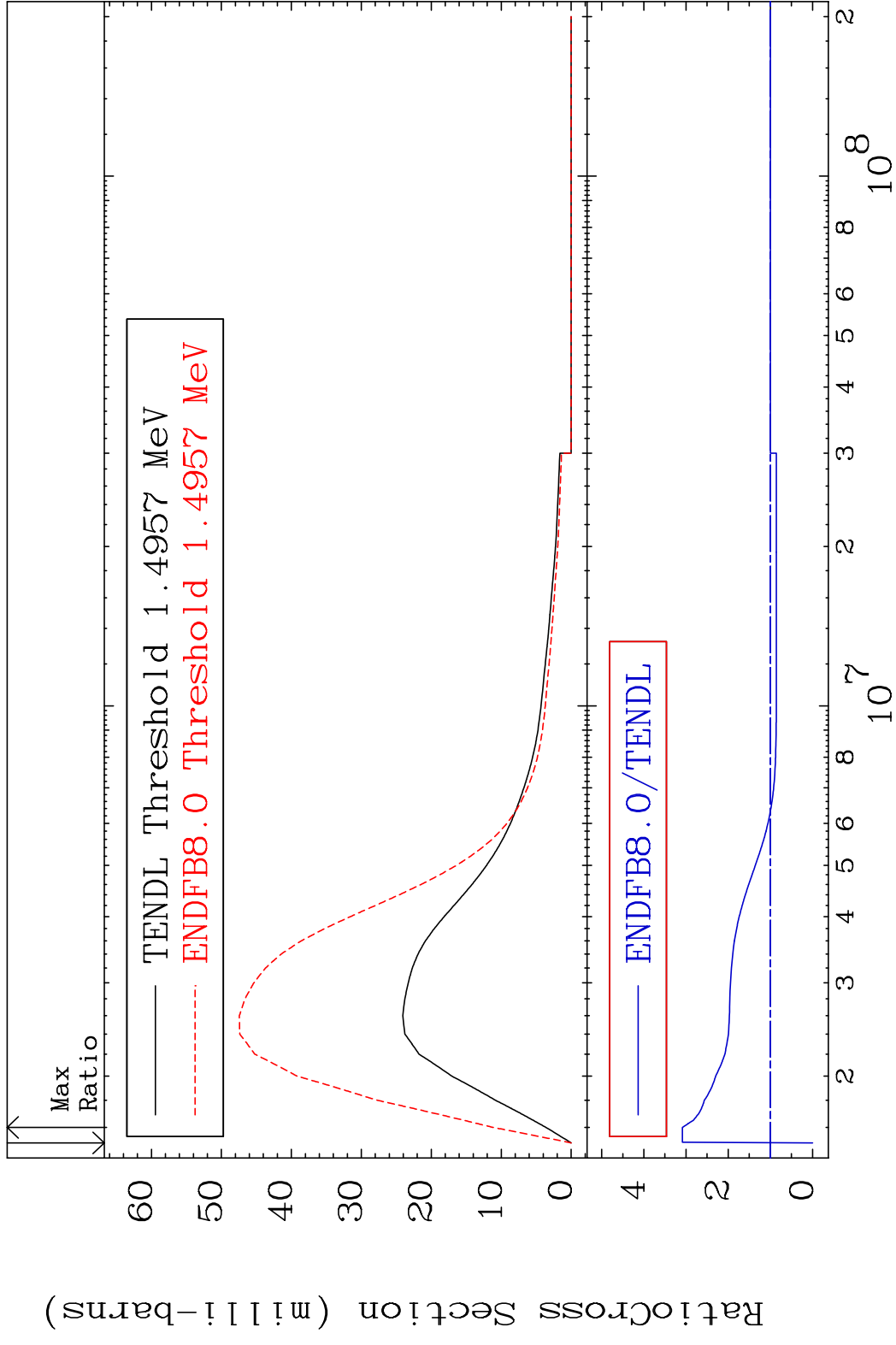
MAT 8046 MT= 66 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 187.4 %



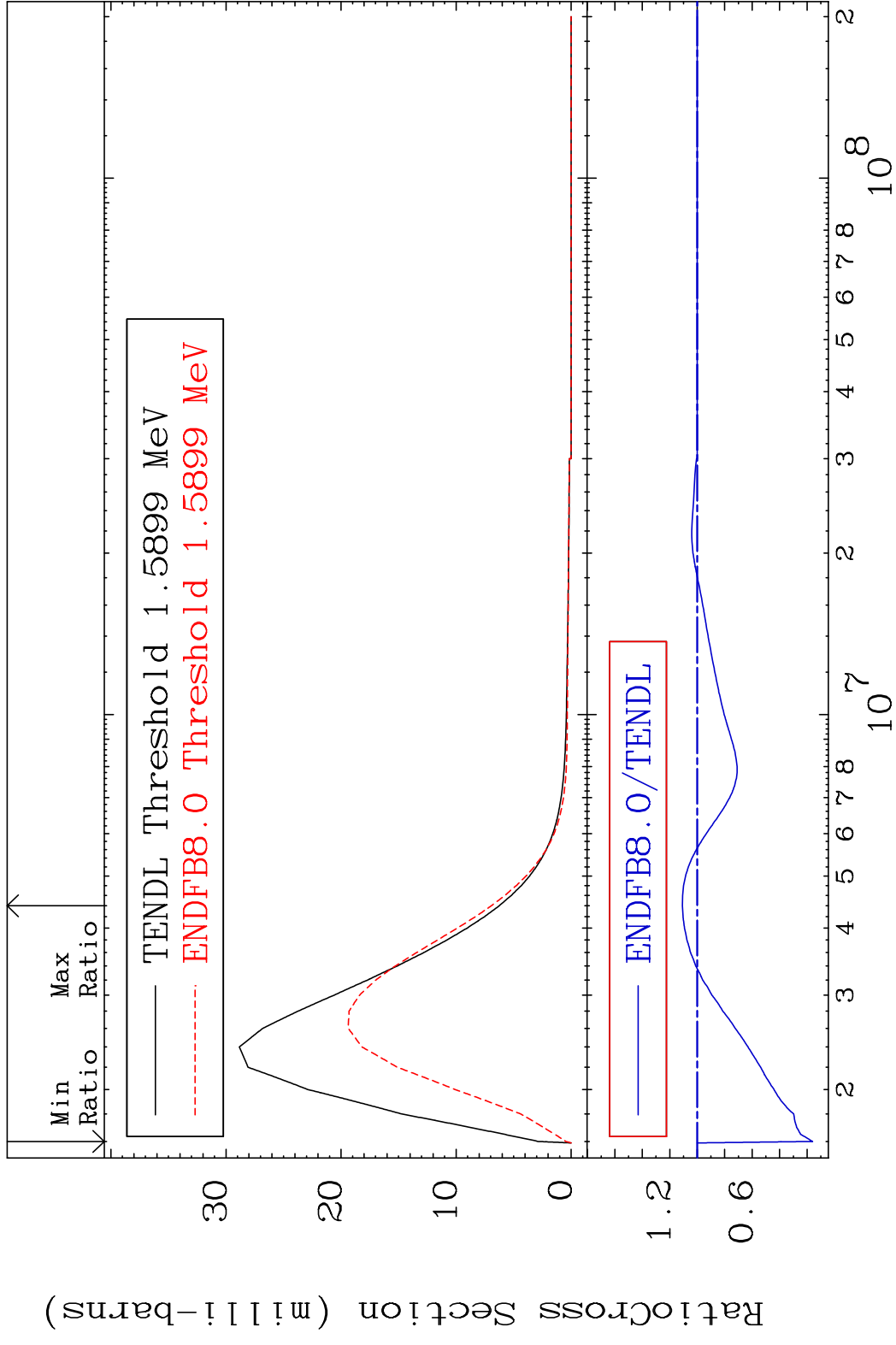
MAT 8046 MT= 67 (n, n') Level 80-Hg-203
 Cross Section -72.18 To 91.08 %



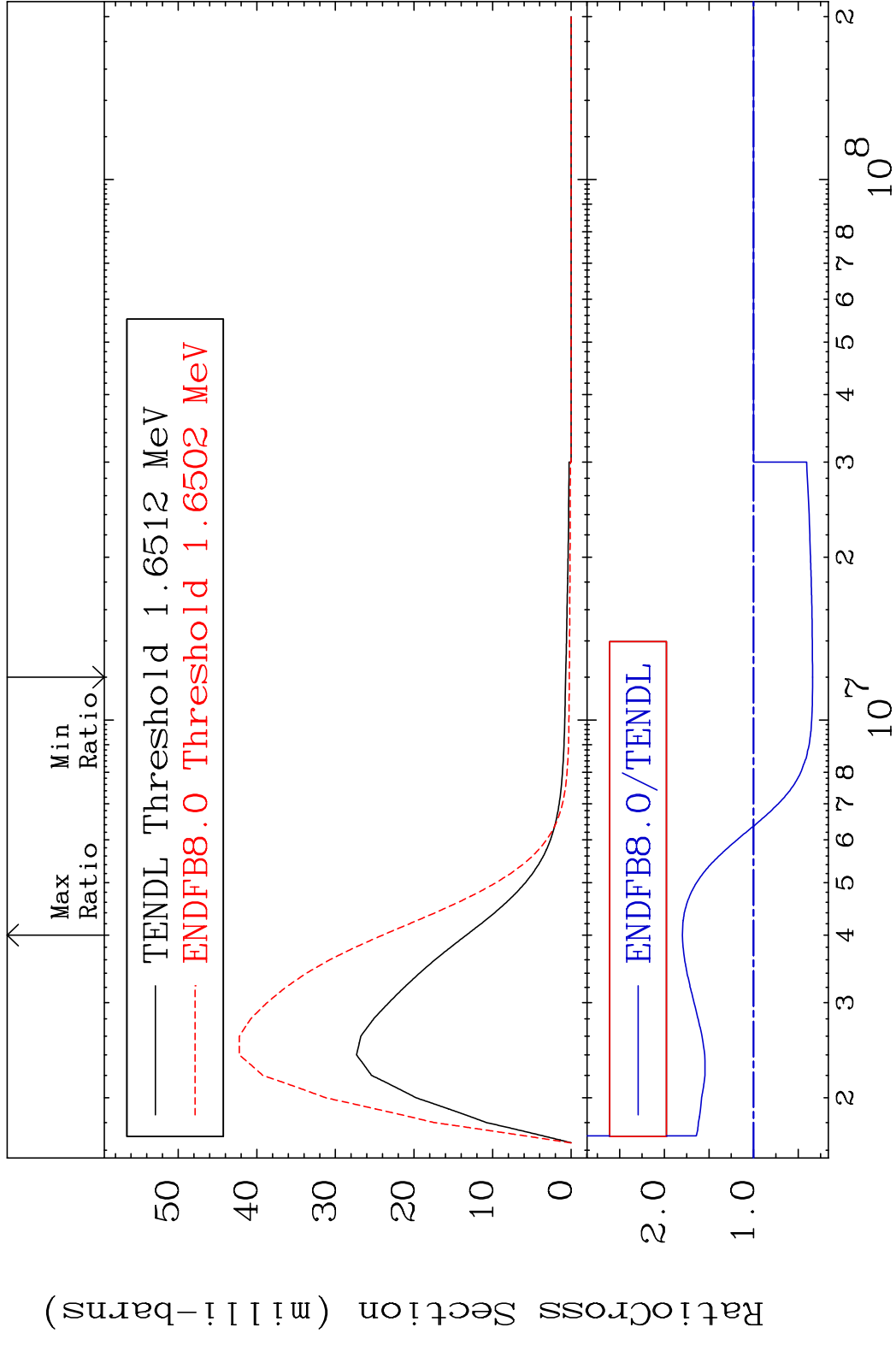
MAT 8046 MT= 68 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 208.7 %



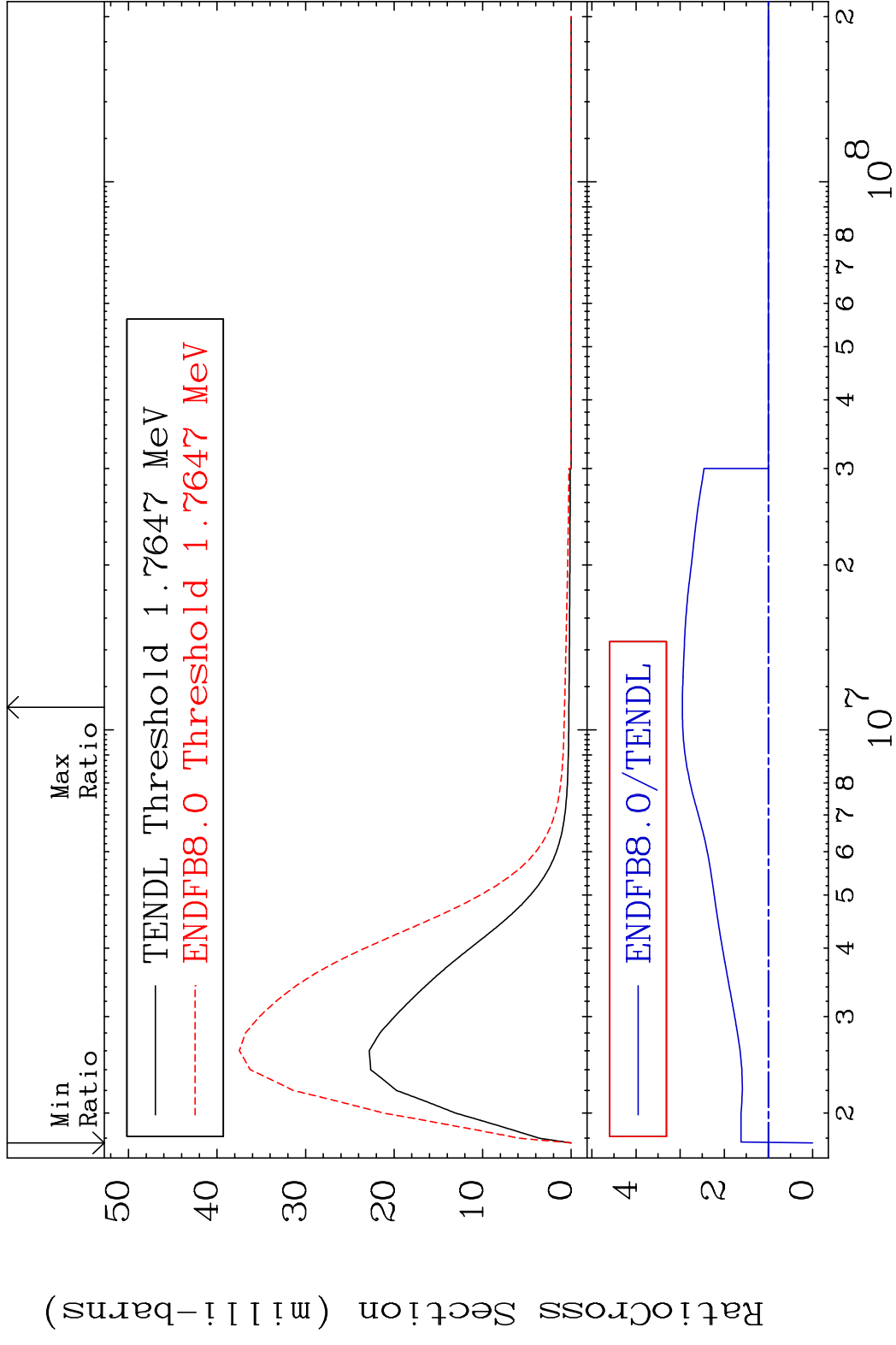
MAT 8046 MT= 69 (n, n') Level 80-Hg-203
 Cross Section -83.99 To 10.82 %



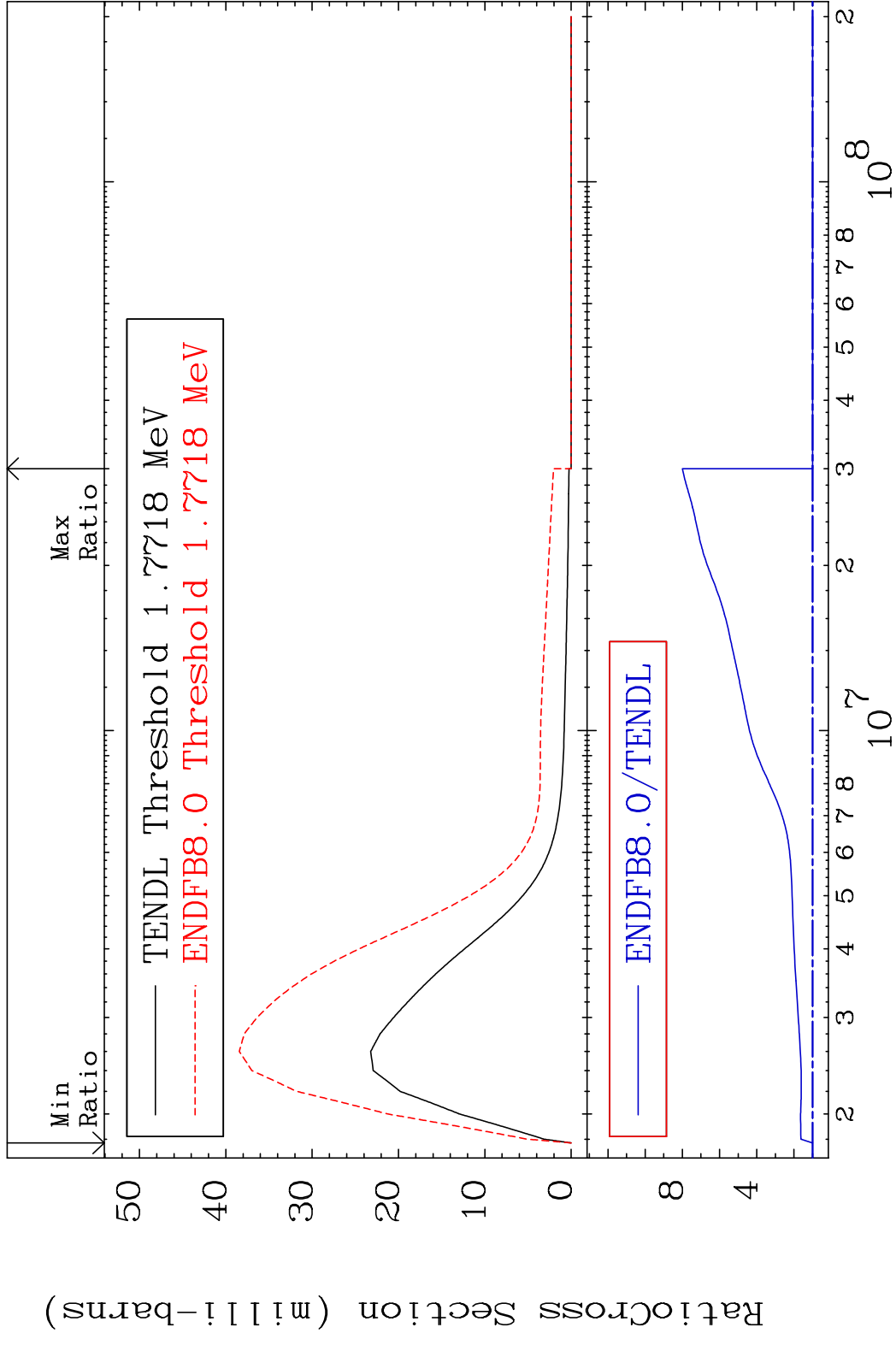
MAT 8046 MT= 70 (n, n') Level 80-Hg-203
 Cross Section -66.01 To 79.81 %



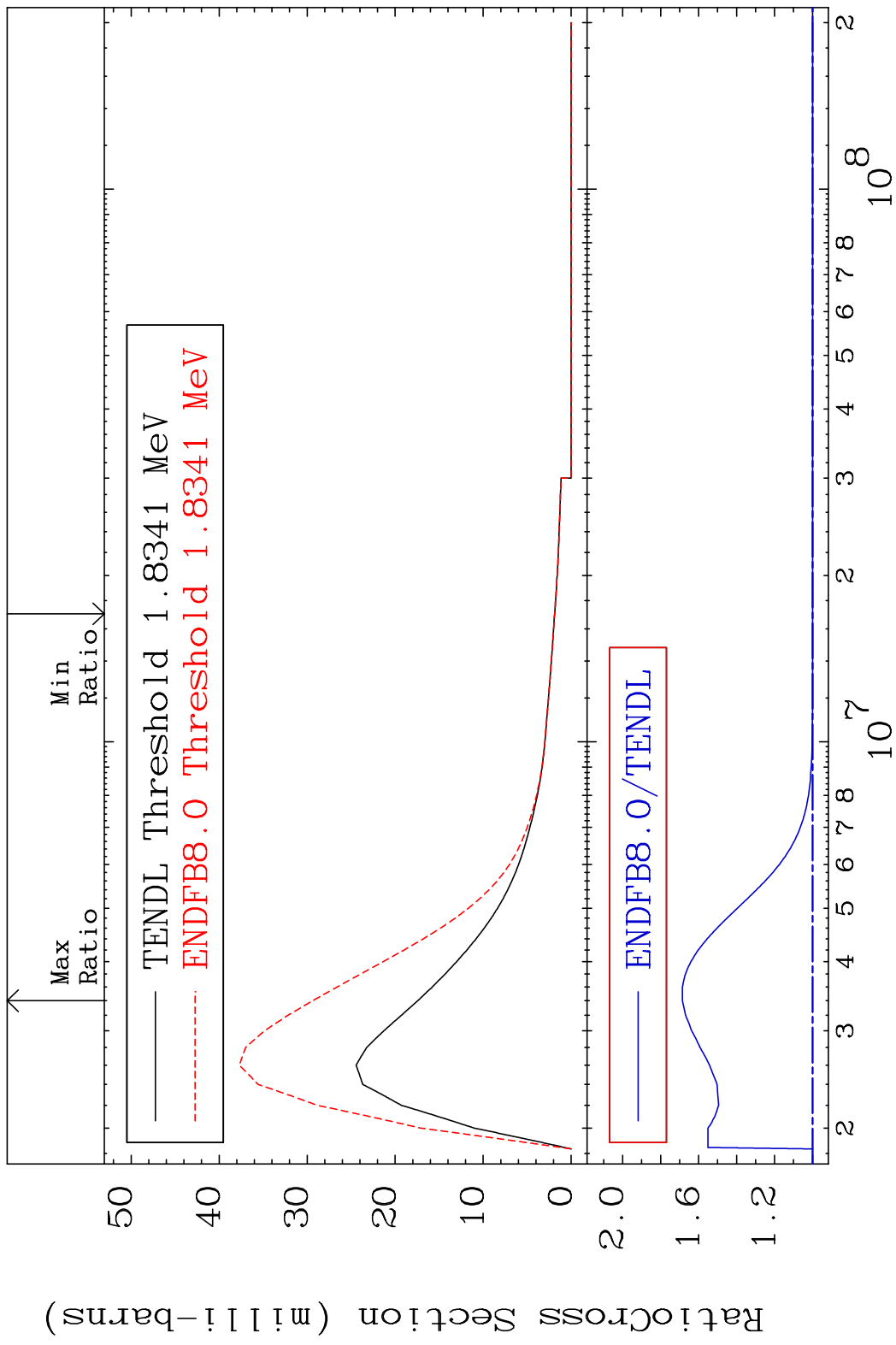
MAT 8046 MT= 71 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 195.0 %



MAT 8046 MT= 72 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 700.0 %

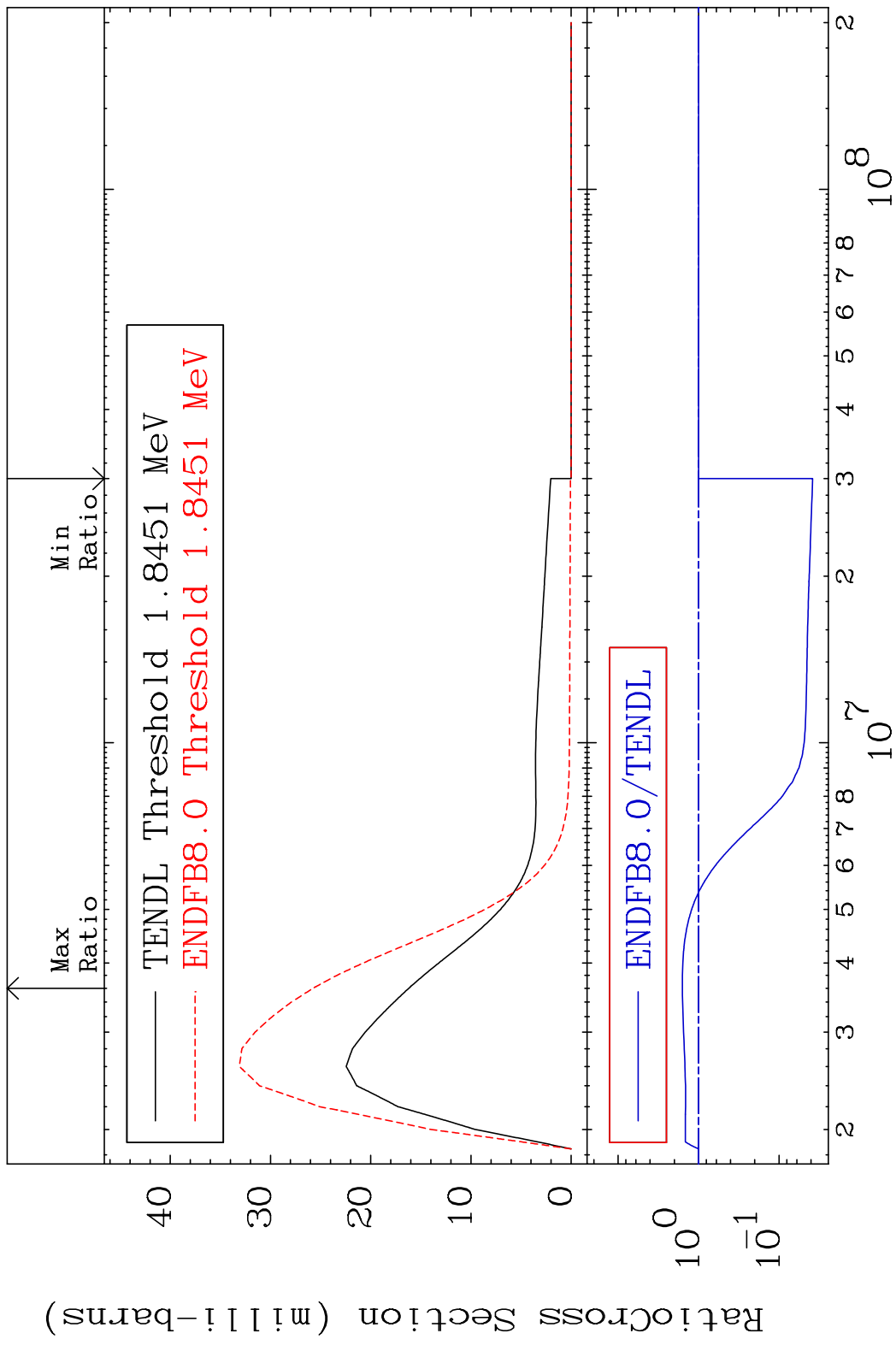


MAT 8046 MT= 73 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 68.55 %



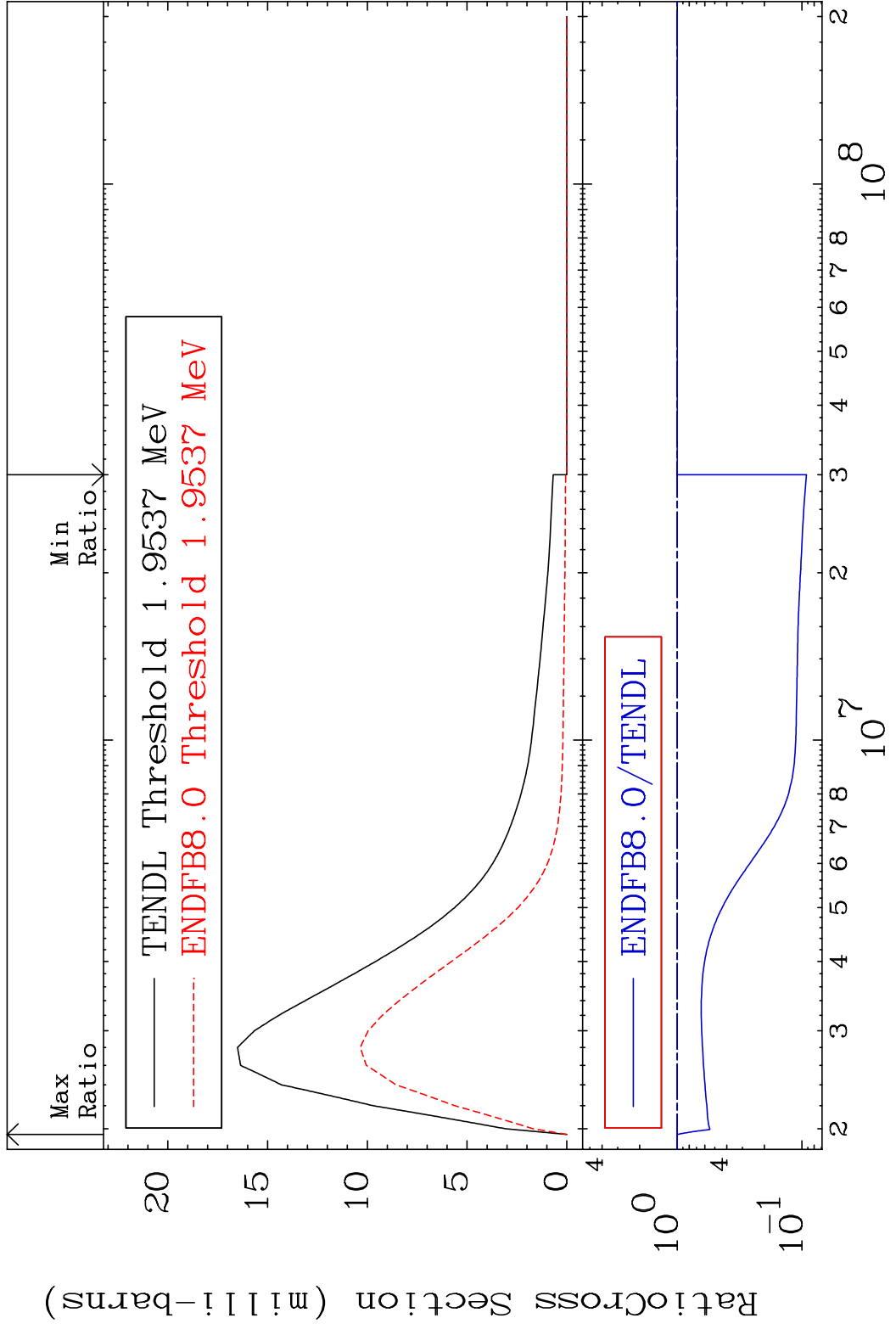
40 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 74 (n, n') Level 80-Hg-203
 Cross Section -96.17 To 58.95 %



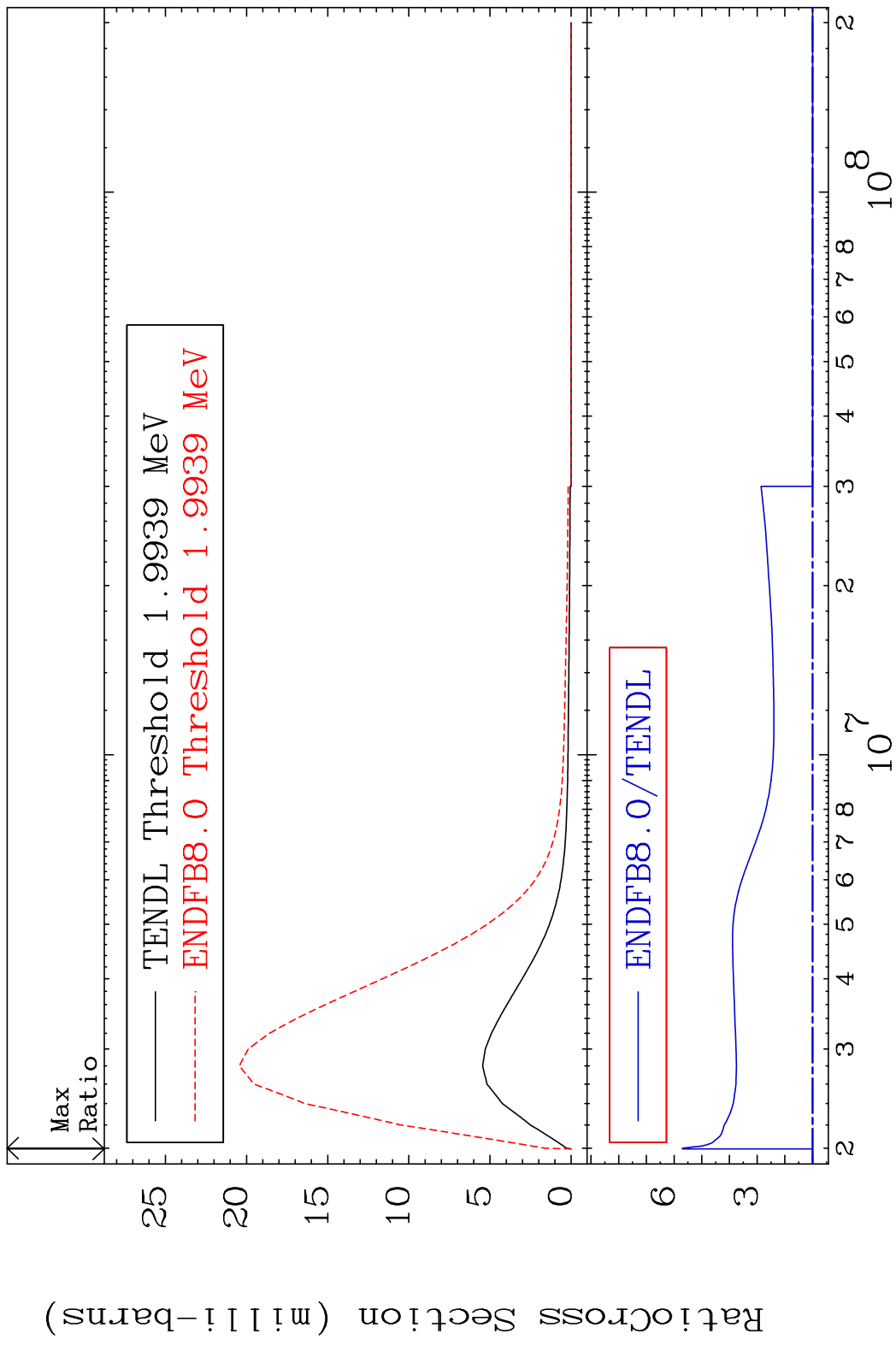
41 80-Hg-203

MAT 8046 MT= 75 (n, n') Level 80-Hg-203
 Cross Section -90.78 To 0.000 %



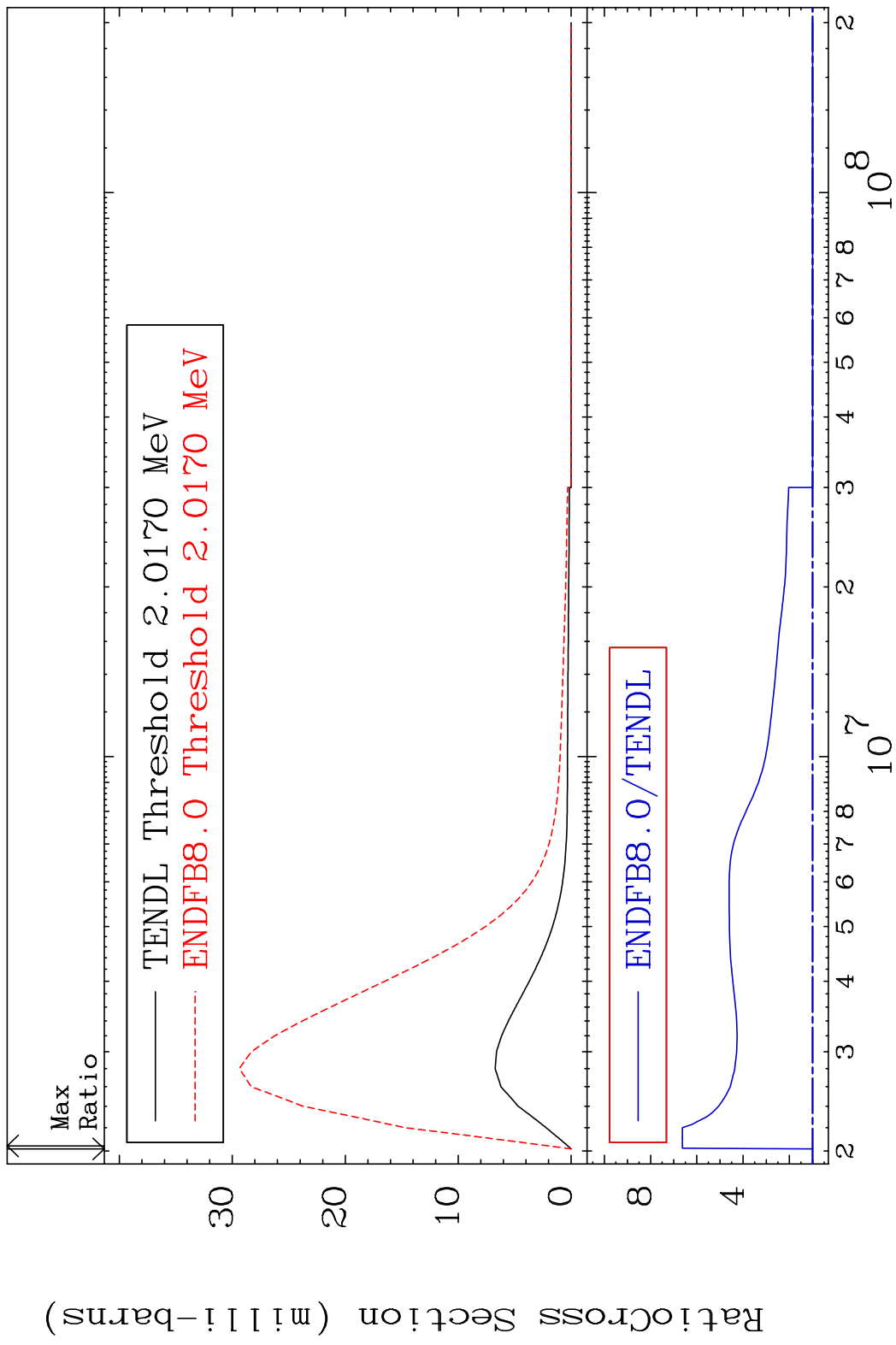
42 80-Hg-203

MAT 8046 MT= 76 (n,n') Level 80-Hg-203
 Cross Section 0.000 To 470.1 %



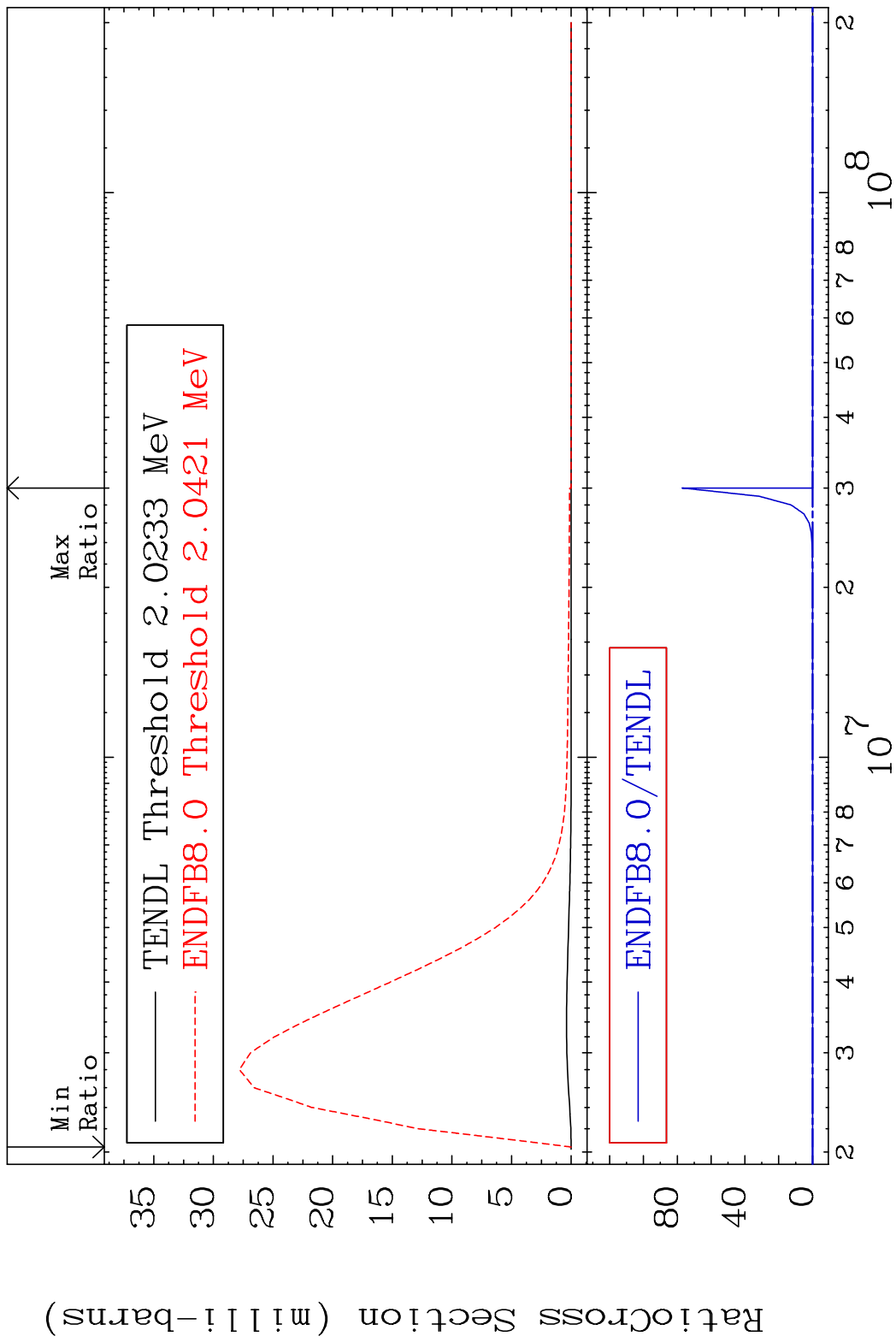
43 80-Hg-203

MAT 8046 MT= 77 (n, n') Level 80-Hg-203
 Cross Section 0.000 To 562.7 %



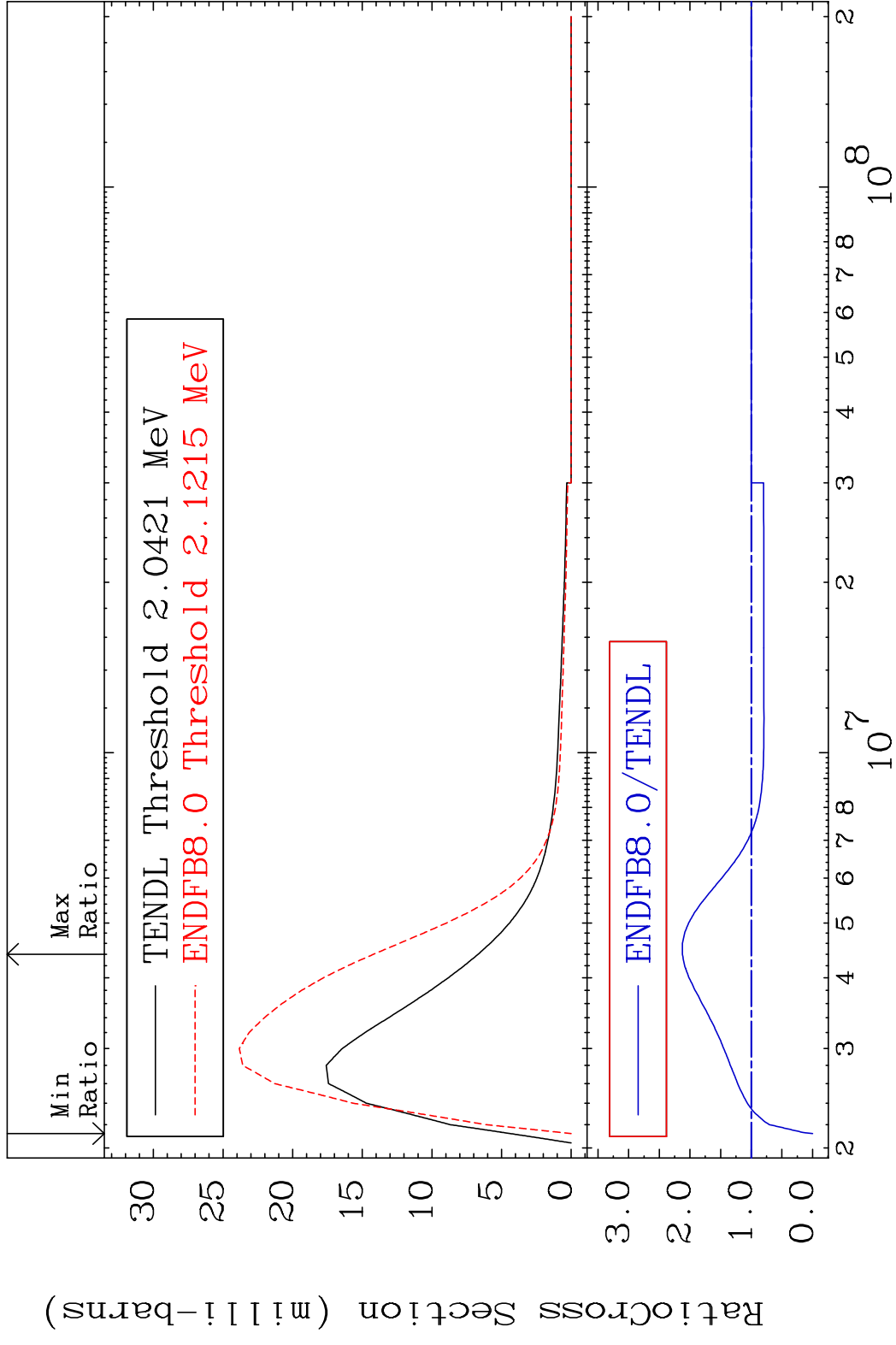
44 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 78 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 9999. %

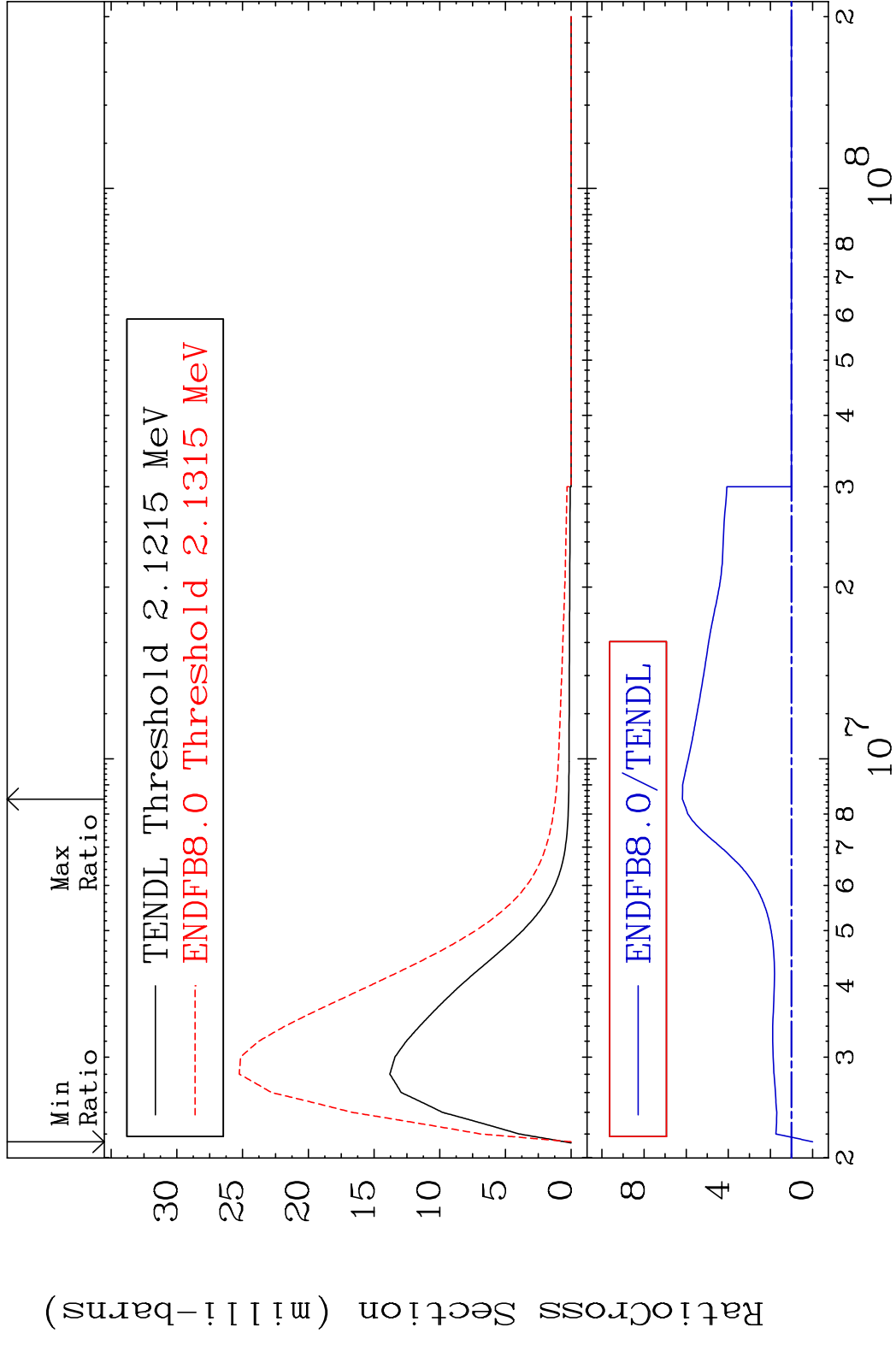


45 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 79 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 112.4 %



MAT 8046 MT= 80 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 518.2 %

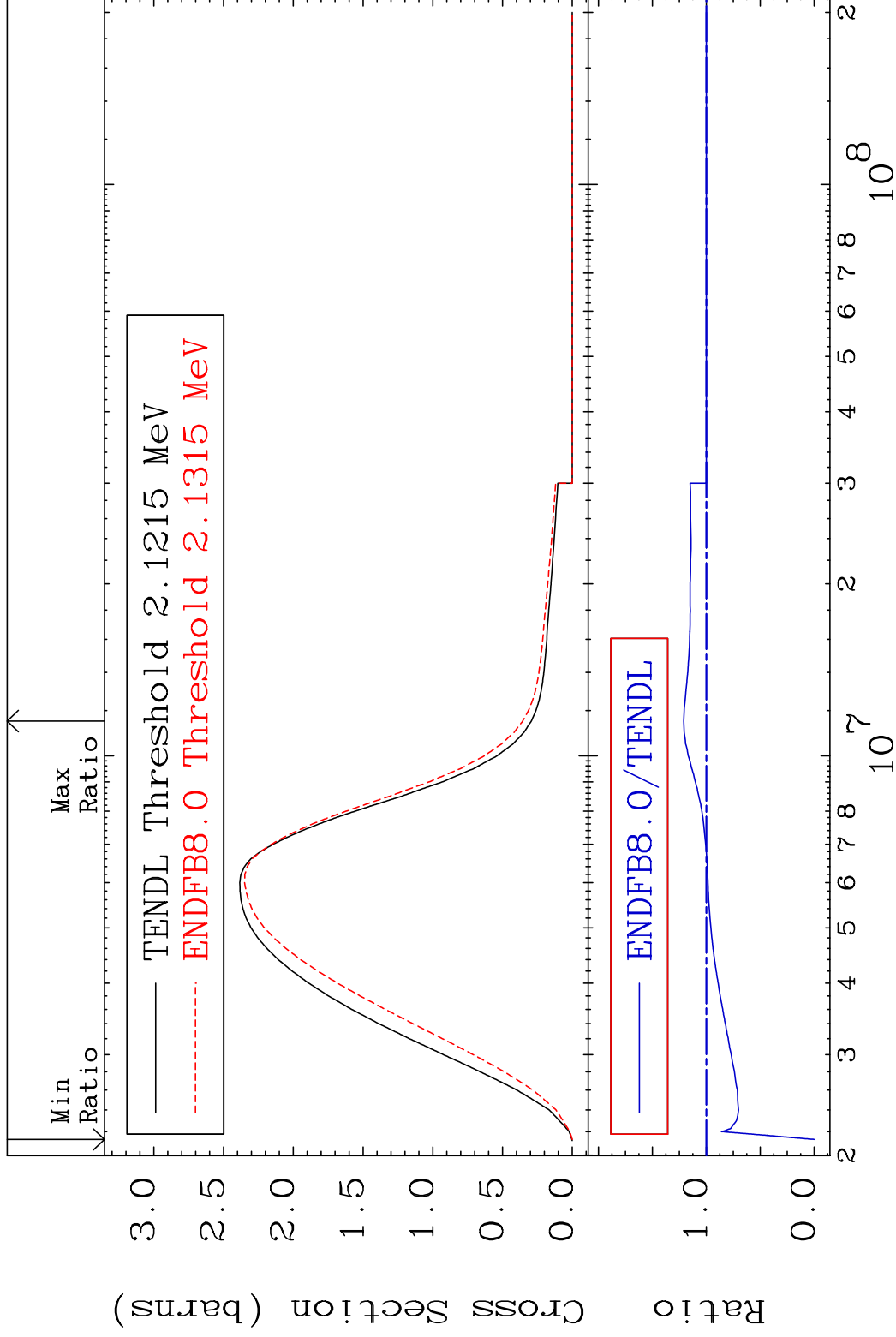


MAT 8046

(n, n') Continuum

80-Hg-203

Cross Section -100.0 To 21.01 %



48

Incident Energy (eV)

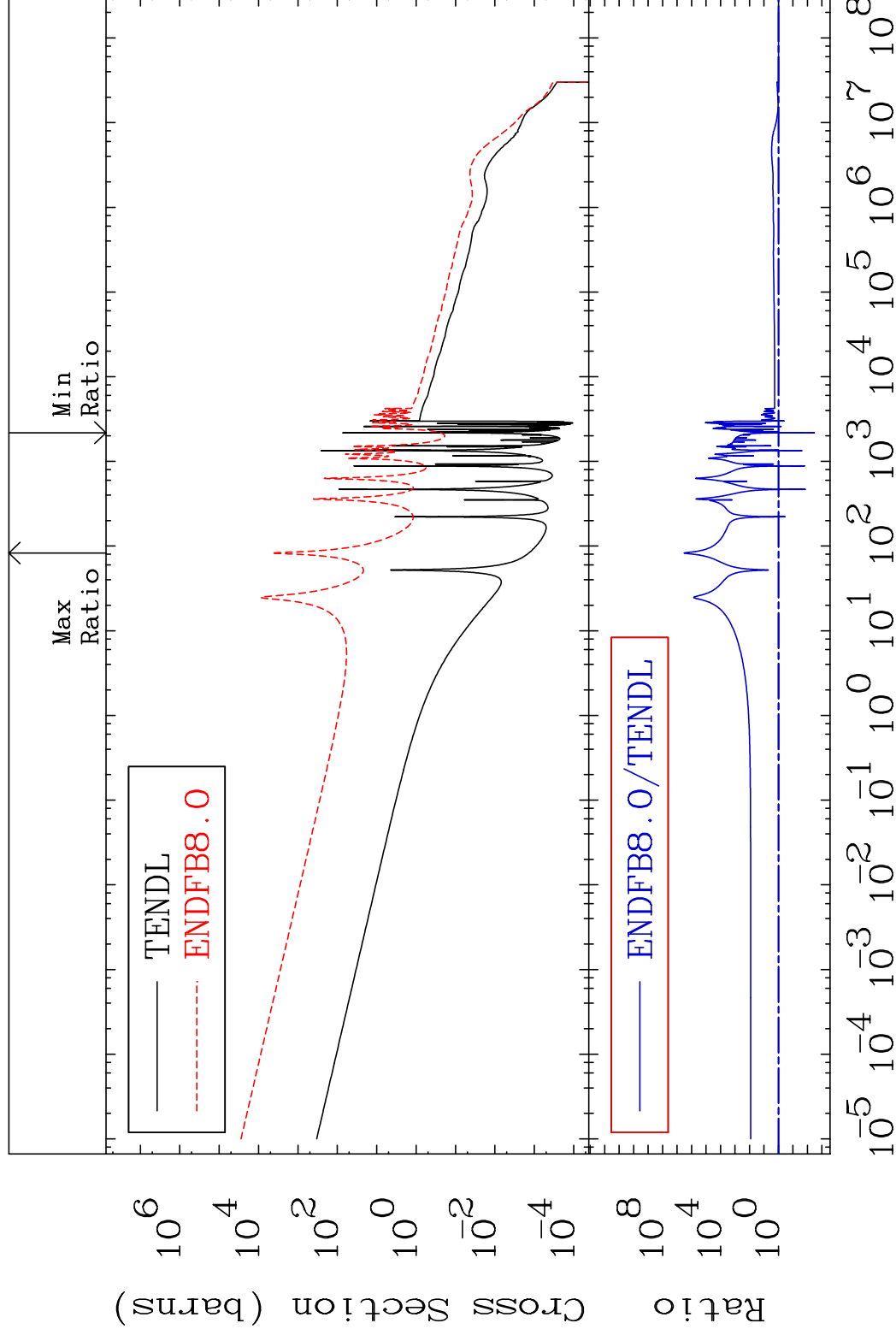
80-Hg-203

MAT 8046

(n, γ)

80-Hg-203

Cross Section -99.66 To 9999. %



49

Incident Energy (eV)

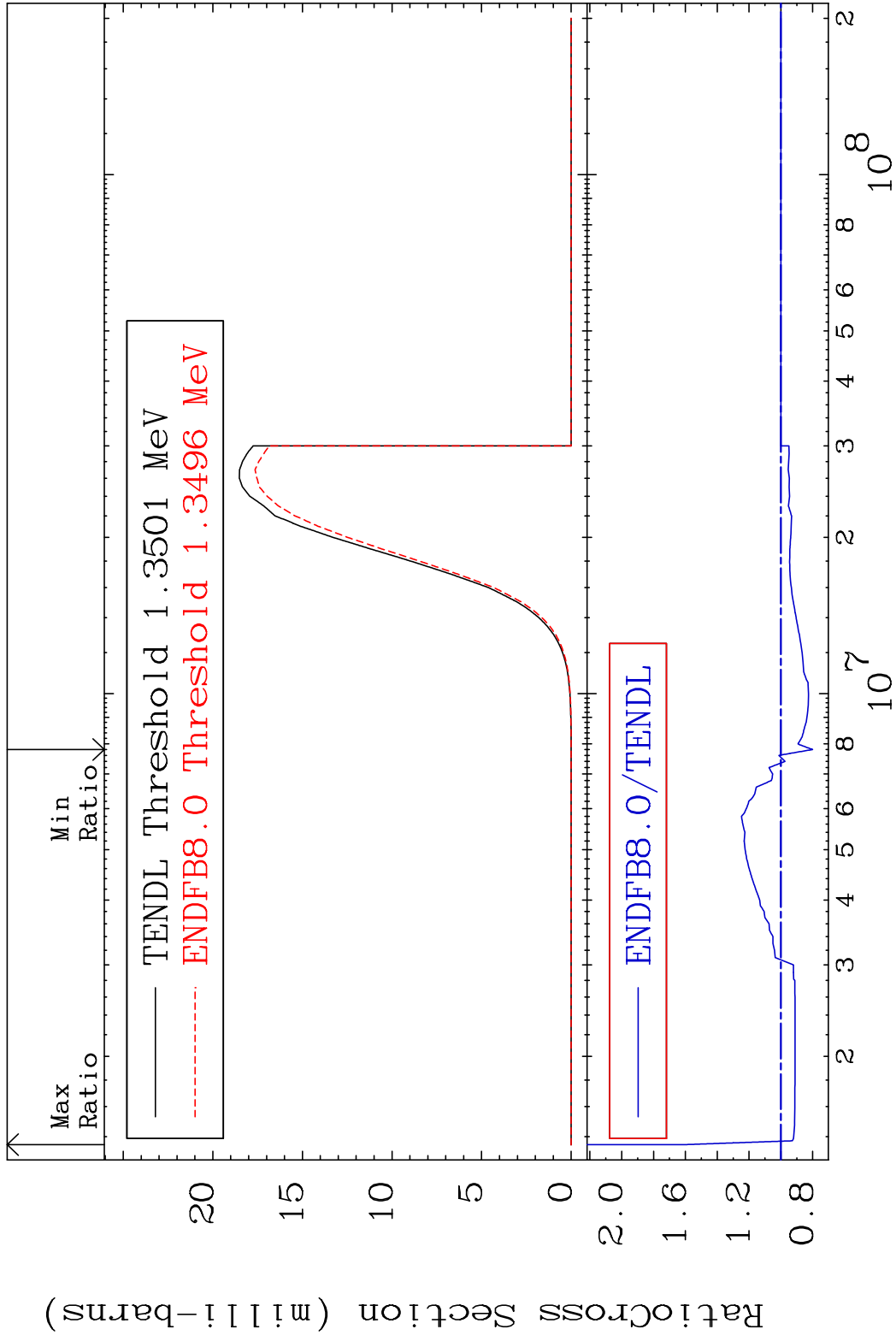
80-Hg-203

MAT 8046

(n, p)

80-Hg-203

Cross Section -19.91 To 61.91 %

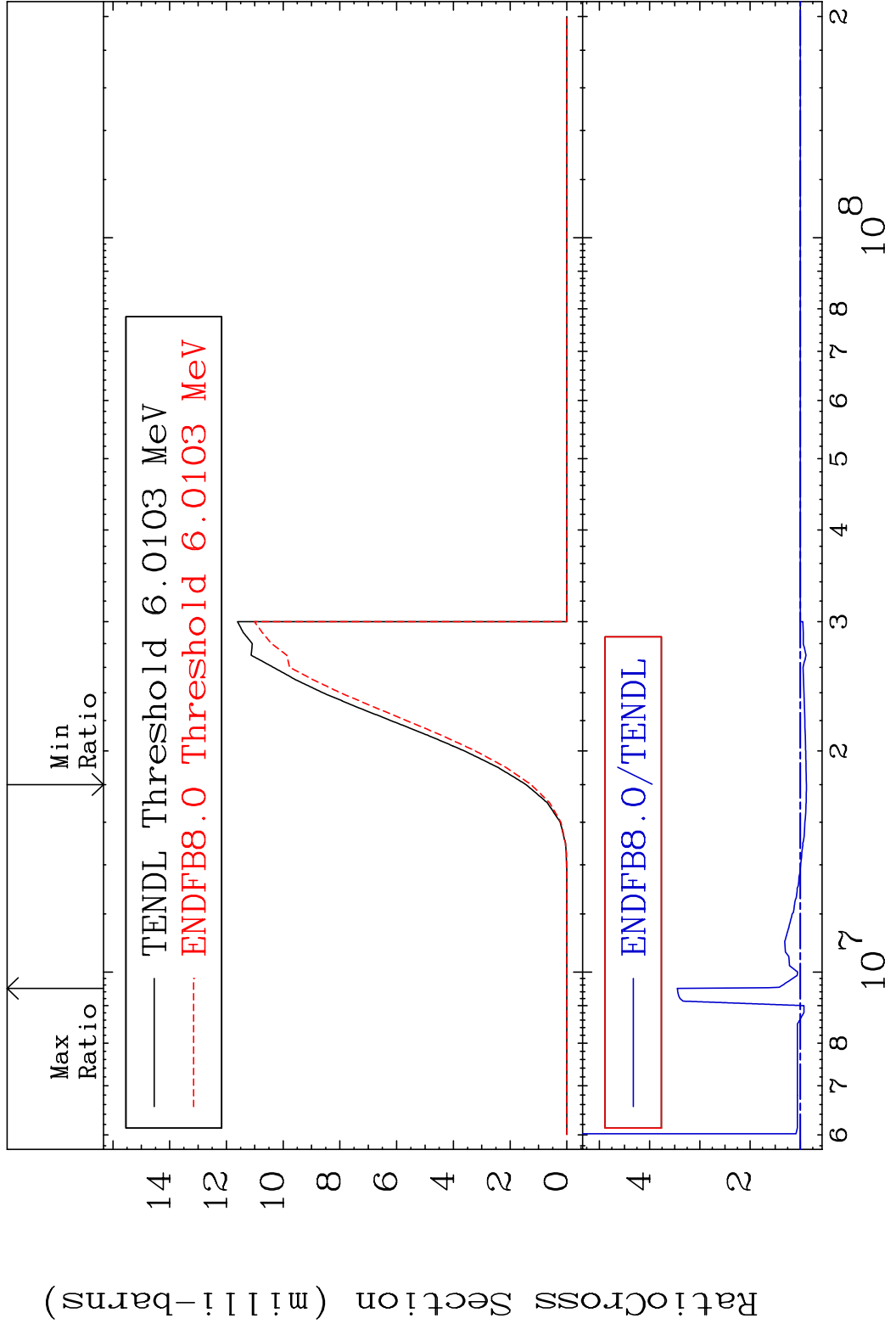


50

Incident Energy (eV)

80-Hg-203

MAT 8046 (n,d) 80-Hg-203
 Cross Section -12.14 To 245.0 %

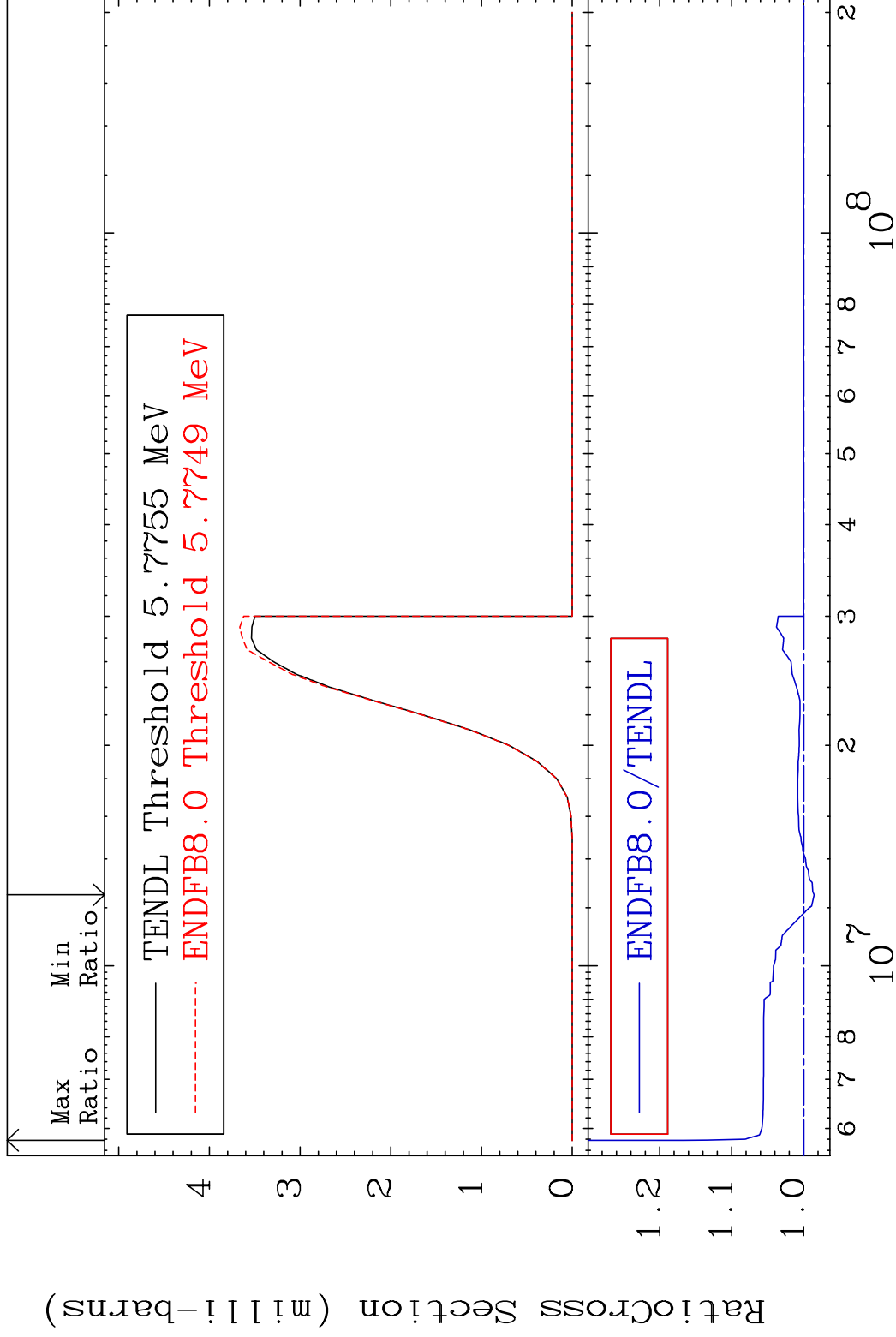


MAT 8046

(n, t)

80-Hg-203

Cross Section -1.443 To 16.68 %



52

Incident Energy (eV)

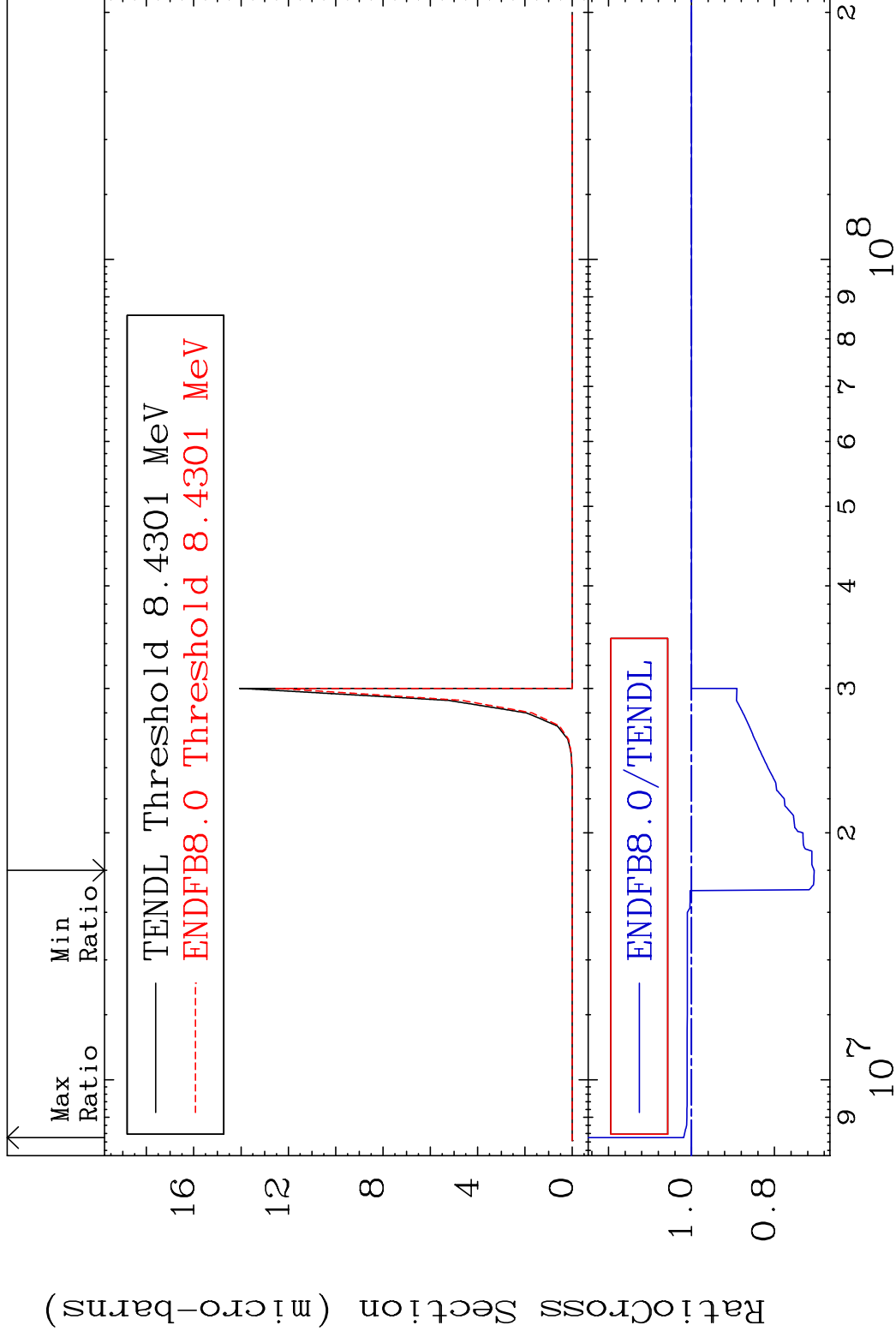
80-Hg-203

MAT 8046

(n, He-3)

80-Hg-203

Cross Section -29.55 To 1.891 %



53

Incident Energy (eV)

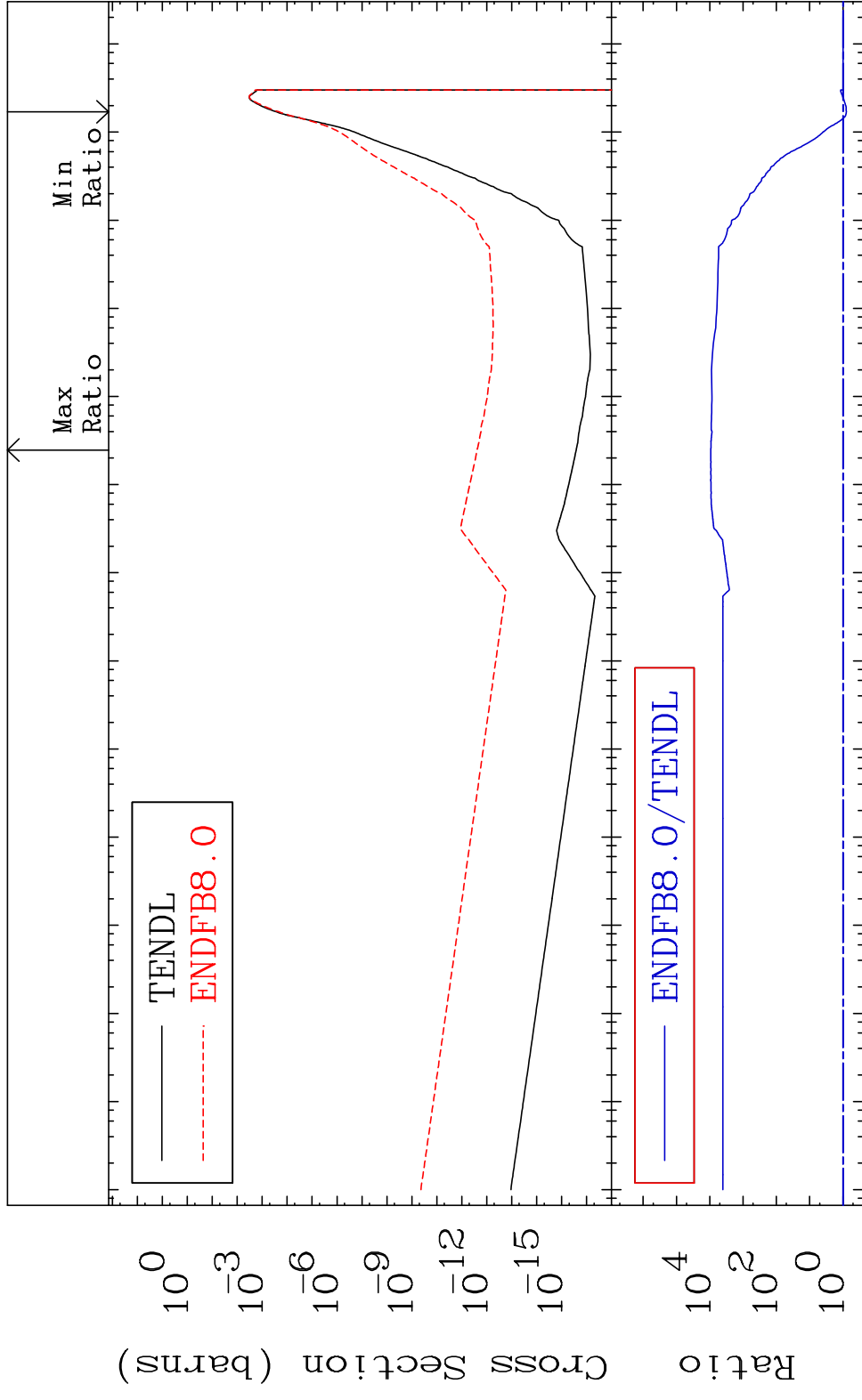
80-Hg-203

MAT 8046

80-Hg-203

(n, α)

Cross Section -20.62 To 9999. %

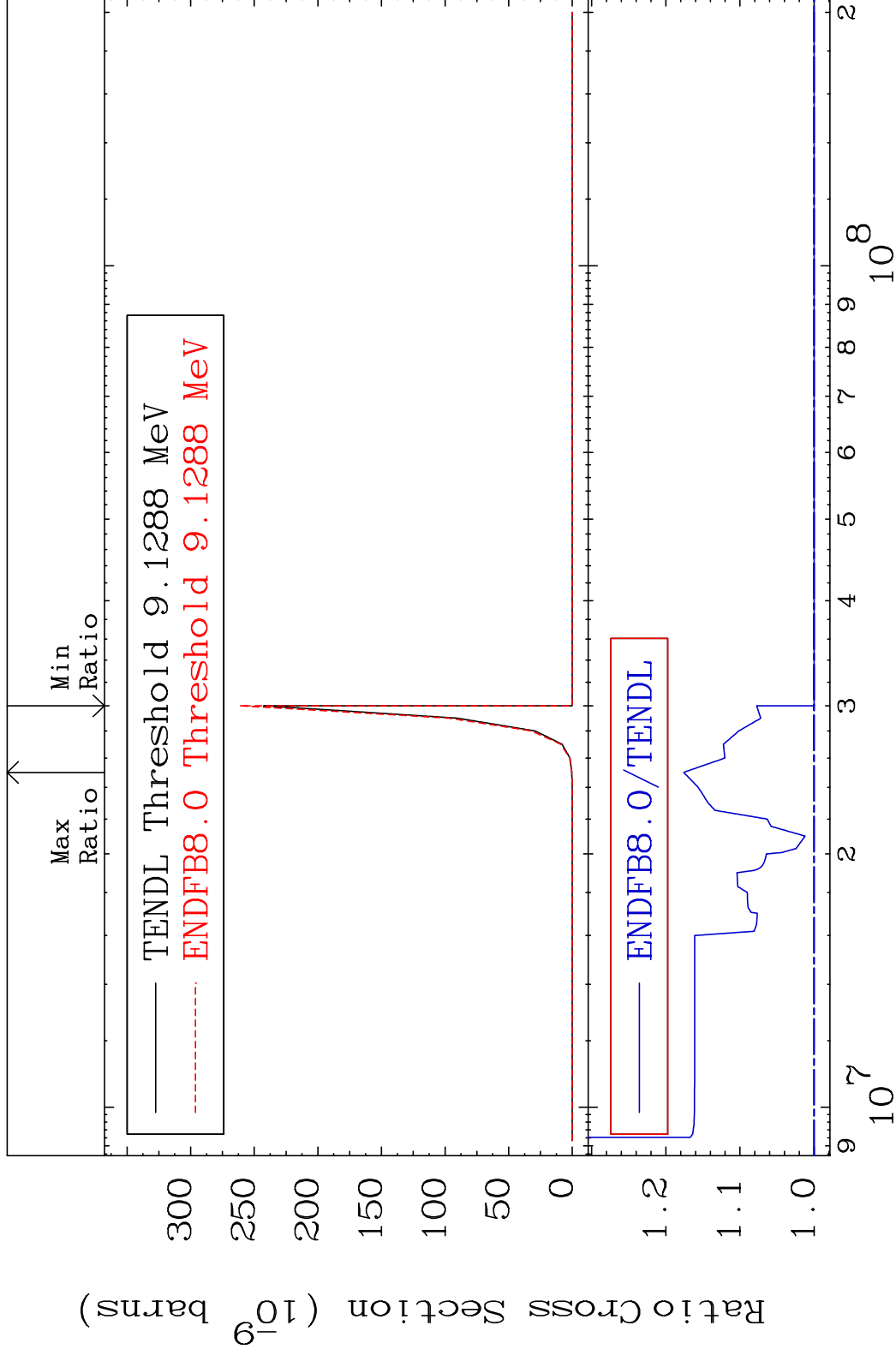


MAT 8046

(n,2p)

80-Hg-203

Cross Section 0.000 To 17.60 %



55

Incident Energy (eV)

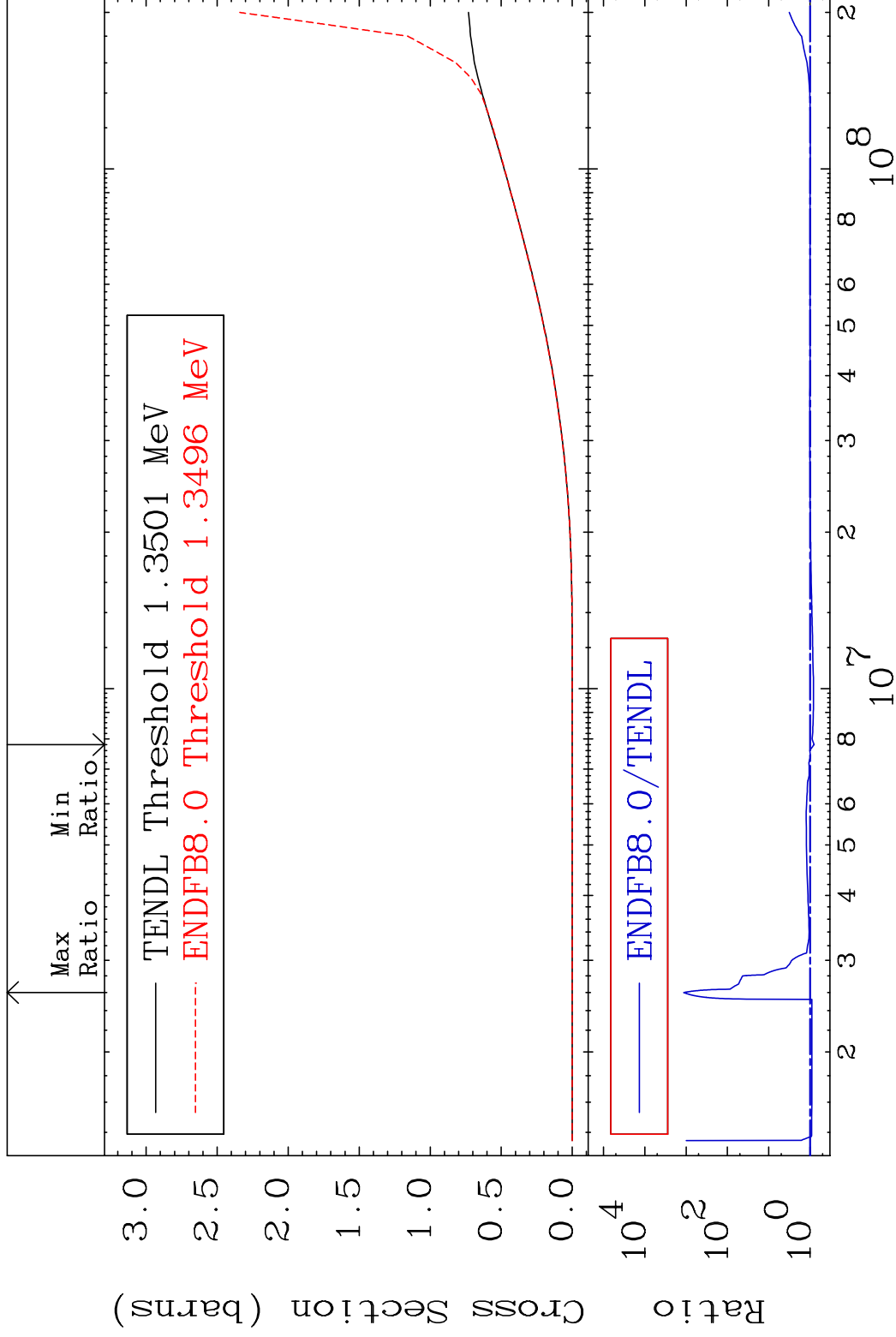
80-Hg-203

MAT 8046

Hydrogen Production

80-Hg-203

Cross Section -19.91 To 9999. %



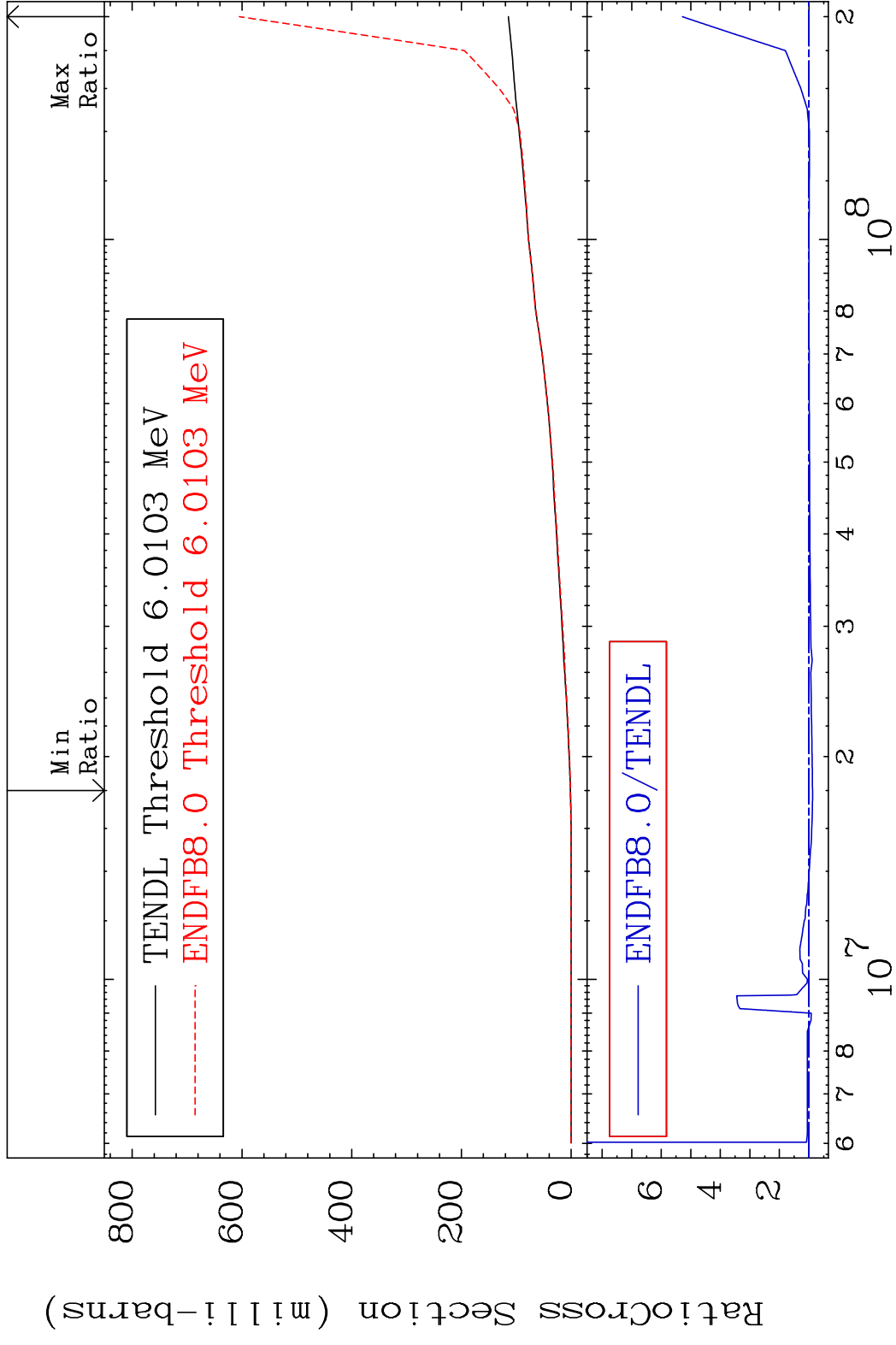
56

Incident Energy (eV)

80-Hg-203

MAT 8046

Deuterium Production 80-Hg-203
Cross Section -12.14 To 428.6 %



57

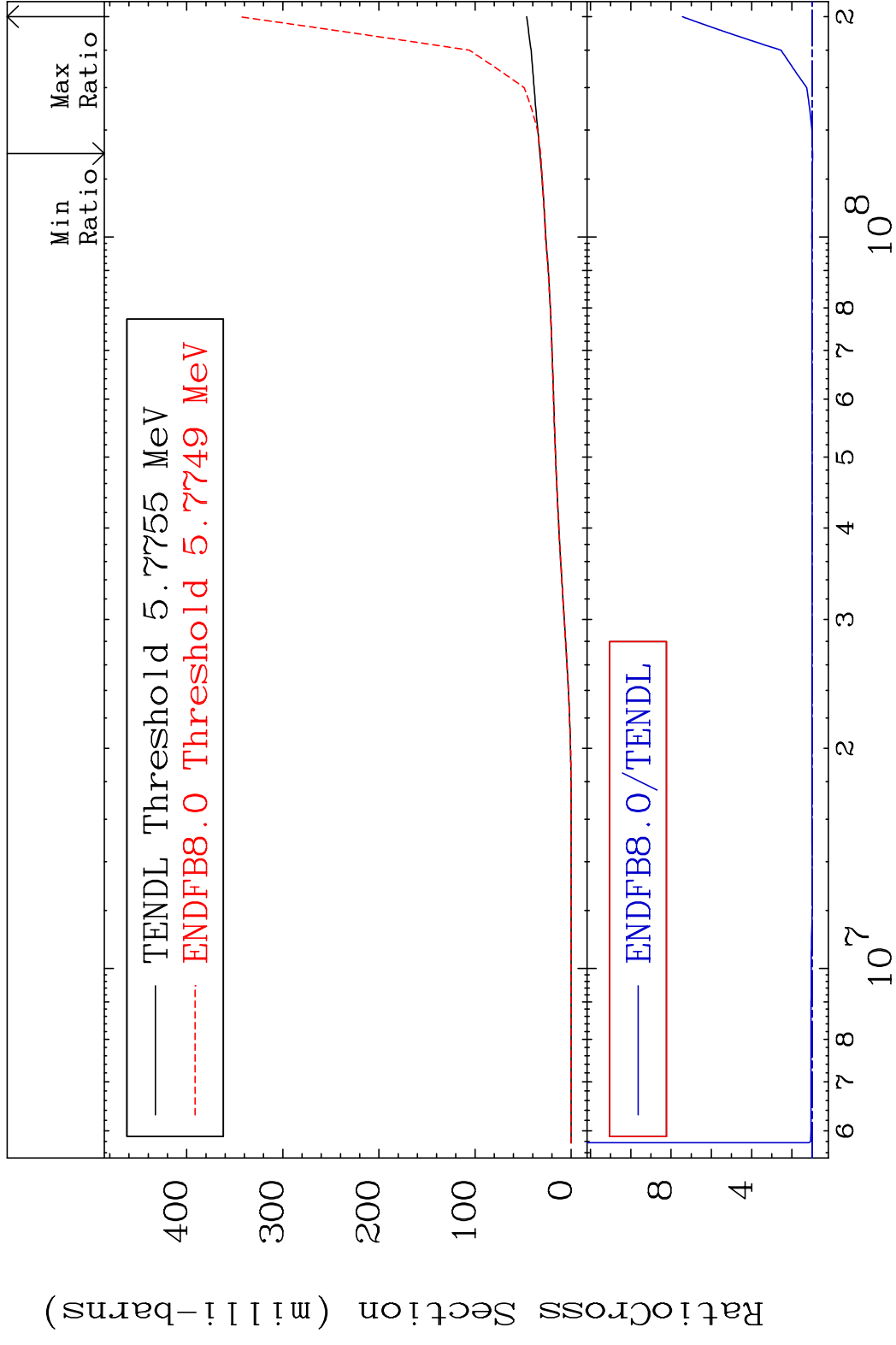
Incident Energy (eV)

80-Hg-203

MAT 8046

Tritium Production
Cross Section -2.252 To 644.0 %

80-Hg-203



58

Incident Energy (eV)

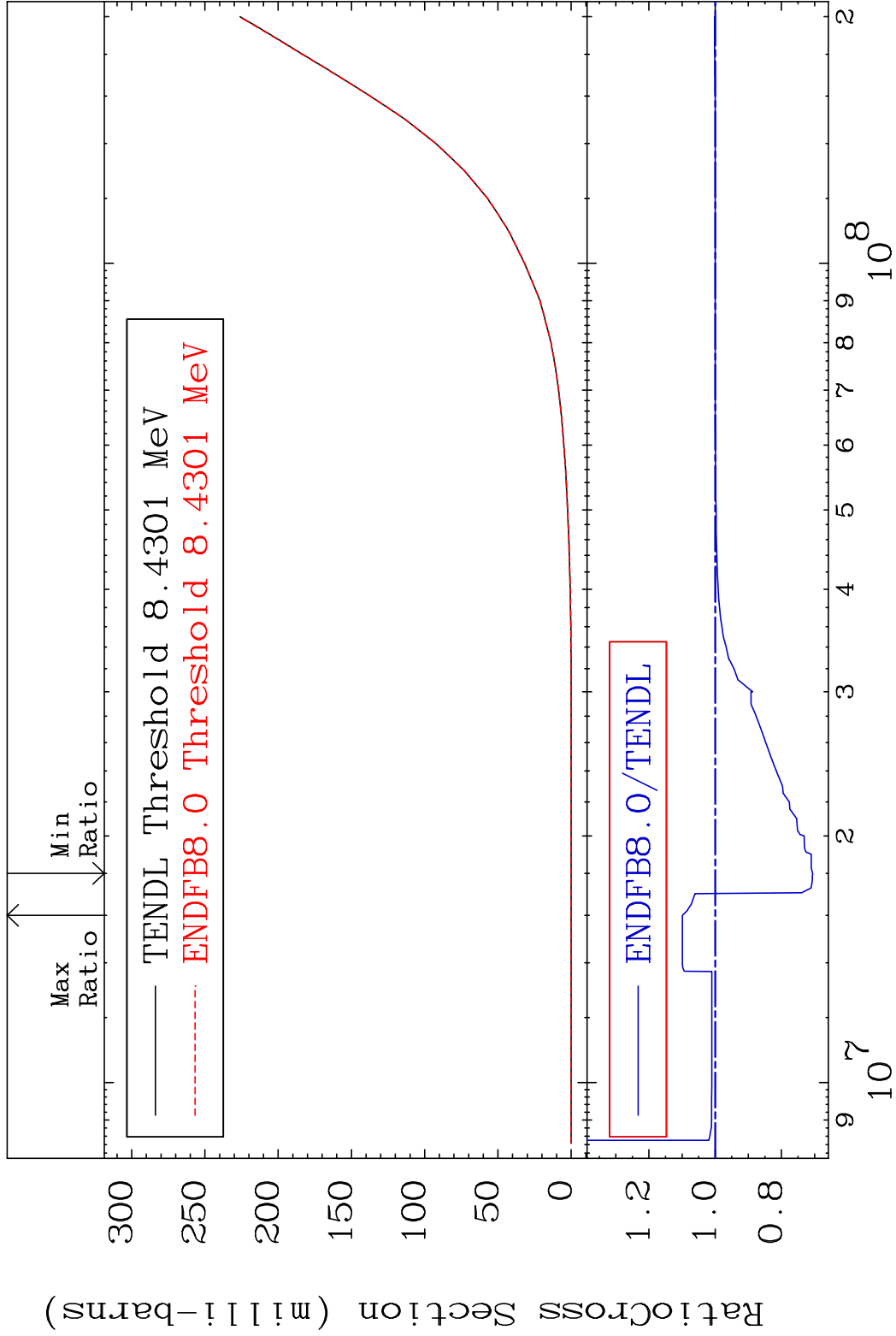
80-Hg-203

MAT 8046

He-3 Production

80-Hg-203

Cross Section -29.40 To 9.920 %



59

Incident Energy (eV)

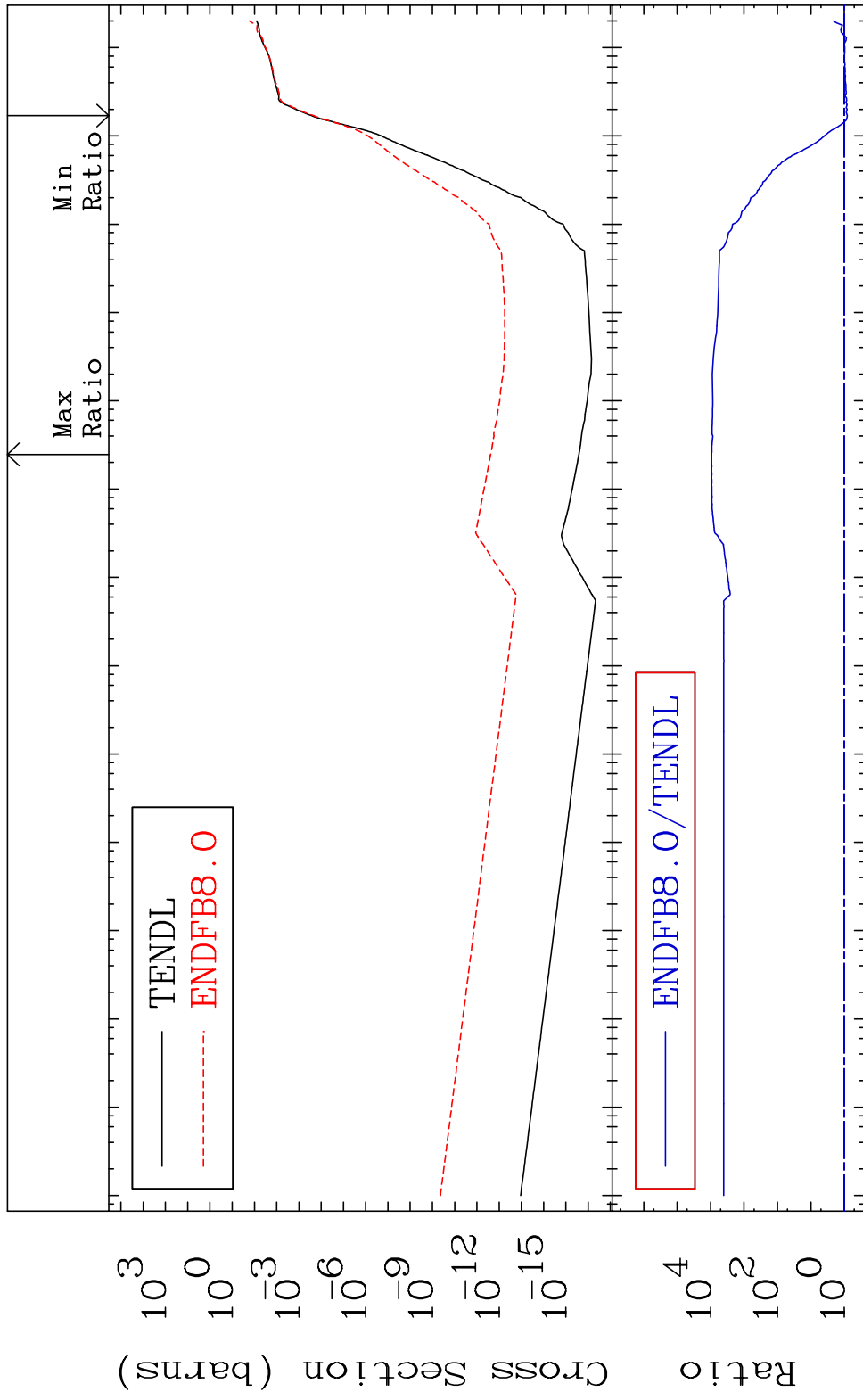
80-Hg-203

MAT 8046

He-4 Production

80-Hg-203

Cross Section -18.77 To 9999. %

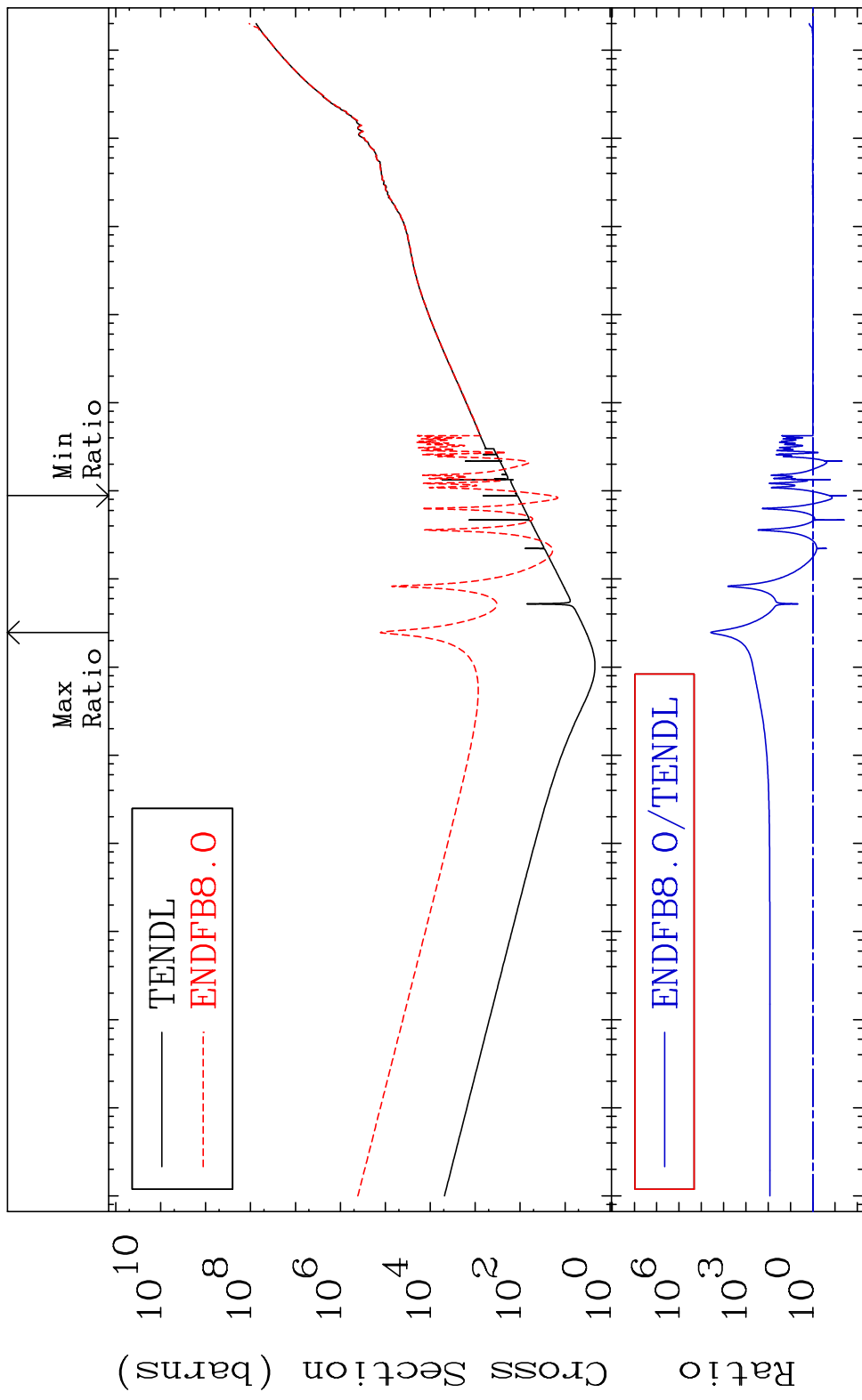


60

Incident Energy (eV)

80-Hg-203

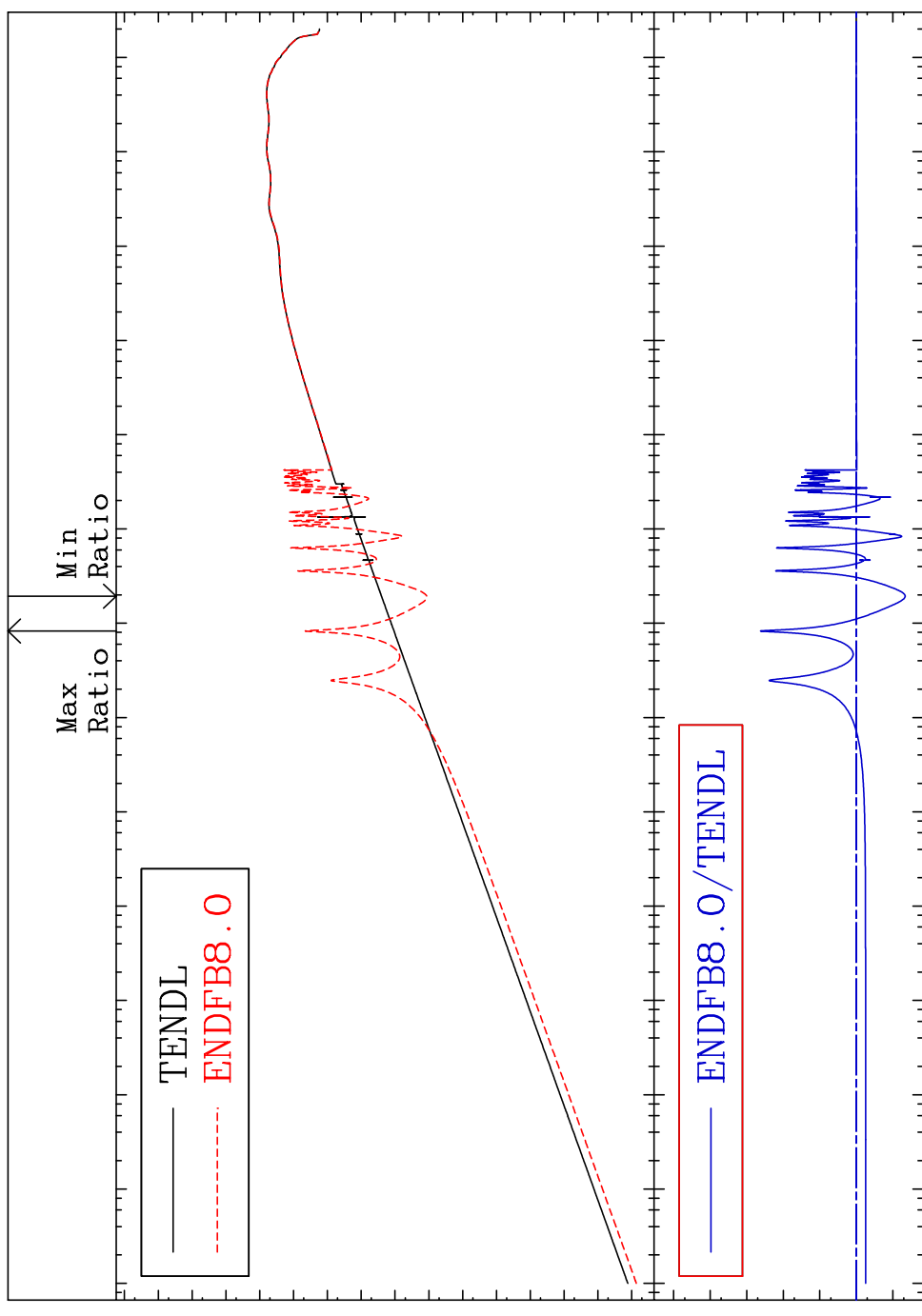
MAT 8046 Kerma total (eV-barns) 80-Hg-203
 Cross Section -96.87 To 9999. %



MAT 8046

Kerma elastic Cross Section -95.42 To 9999. %

80-Hg-203



Cross Section (barns)
Ratio

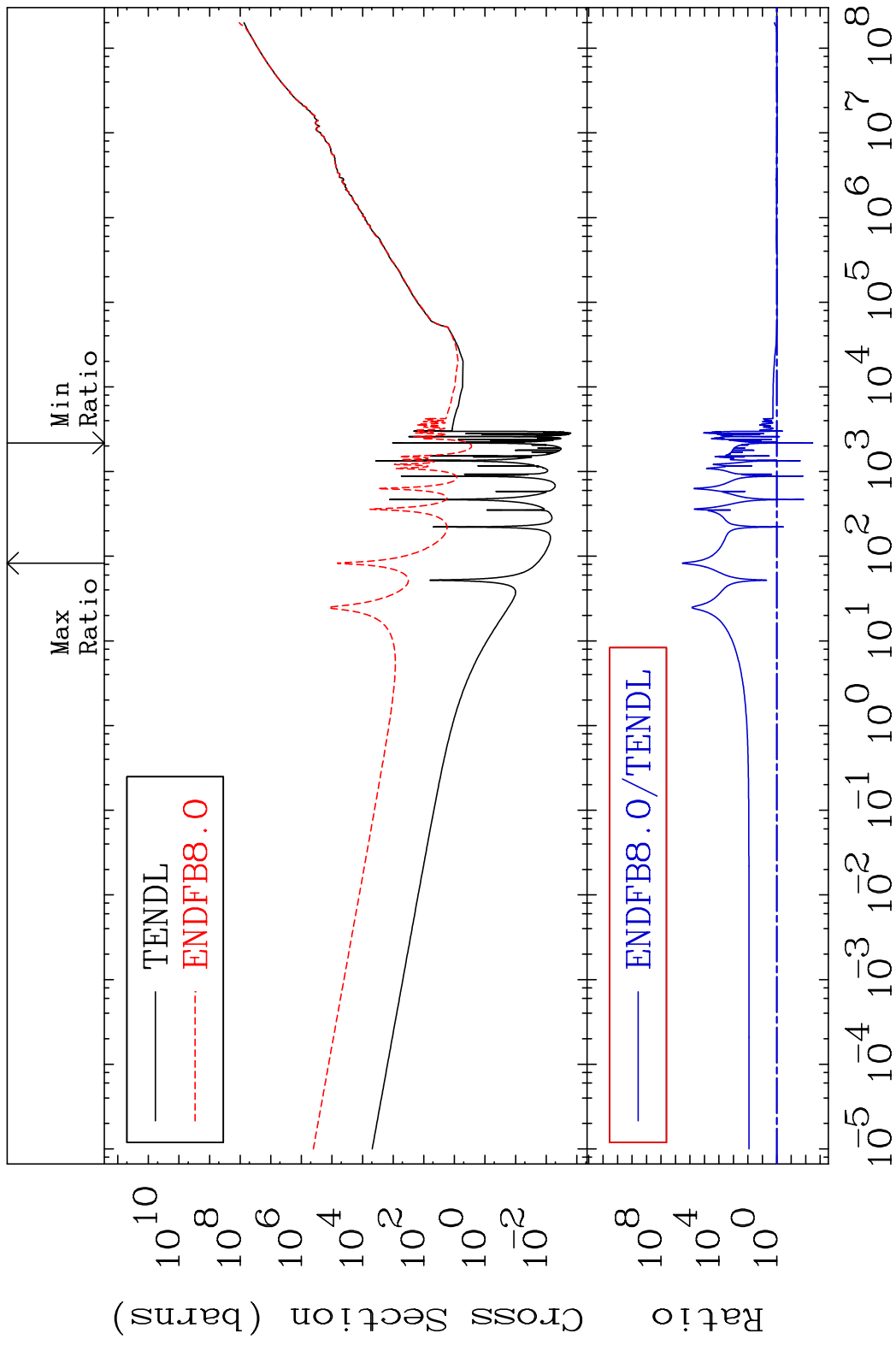
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

62

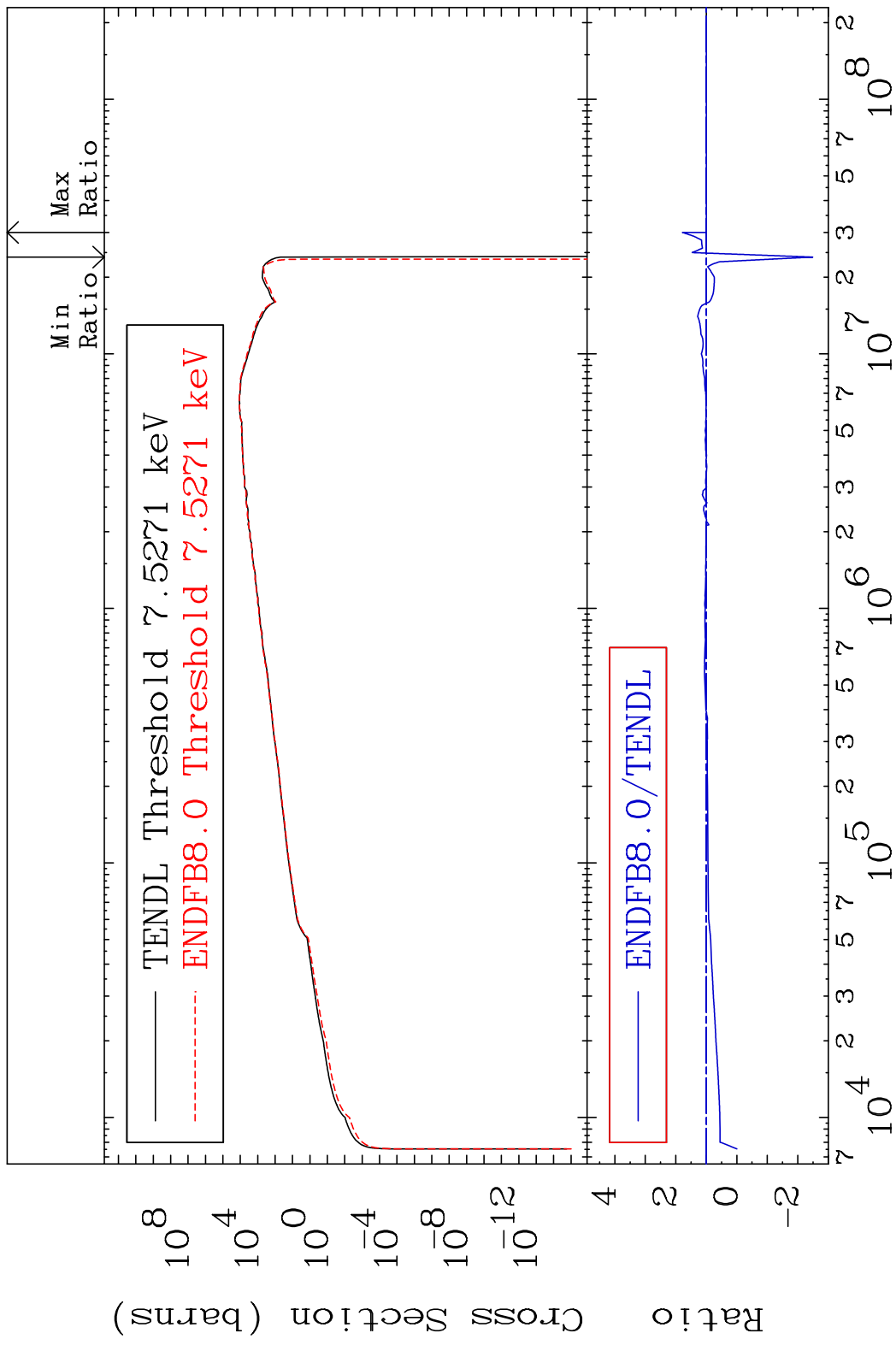
Incident Energy (eV)

80-Hg-203

MAT 8046 Kerma non-elastic (all but mt2) 80-Hg-203
 Cross Section -99.66 To 9999. %

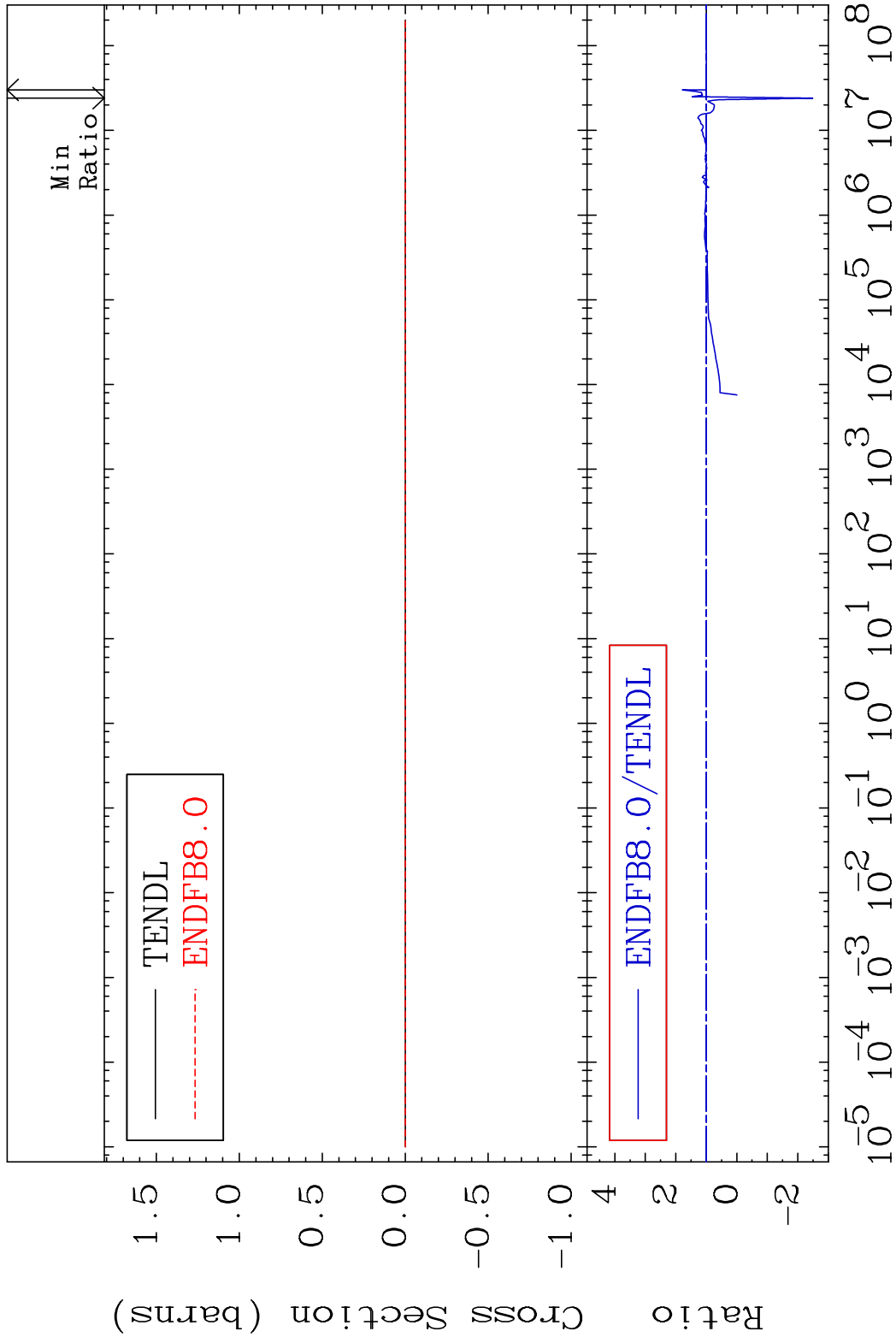


MAT 8046 Kerma inelastic (mt51-91) 80-Hg-203
 Cross Section -348.4 To 78.56 %



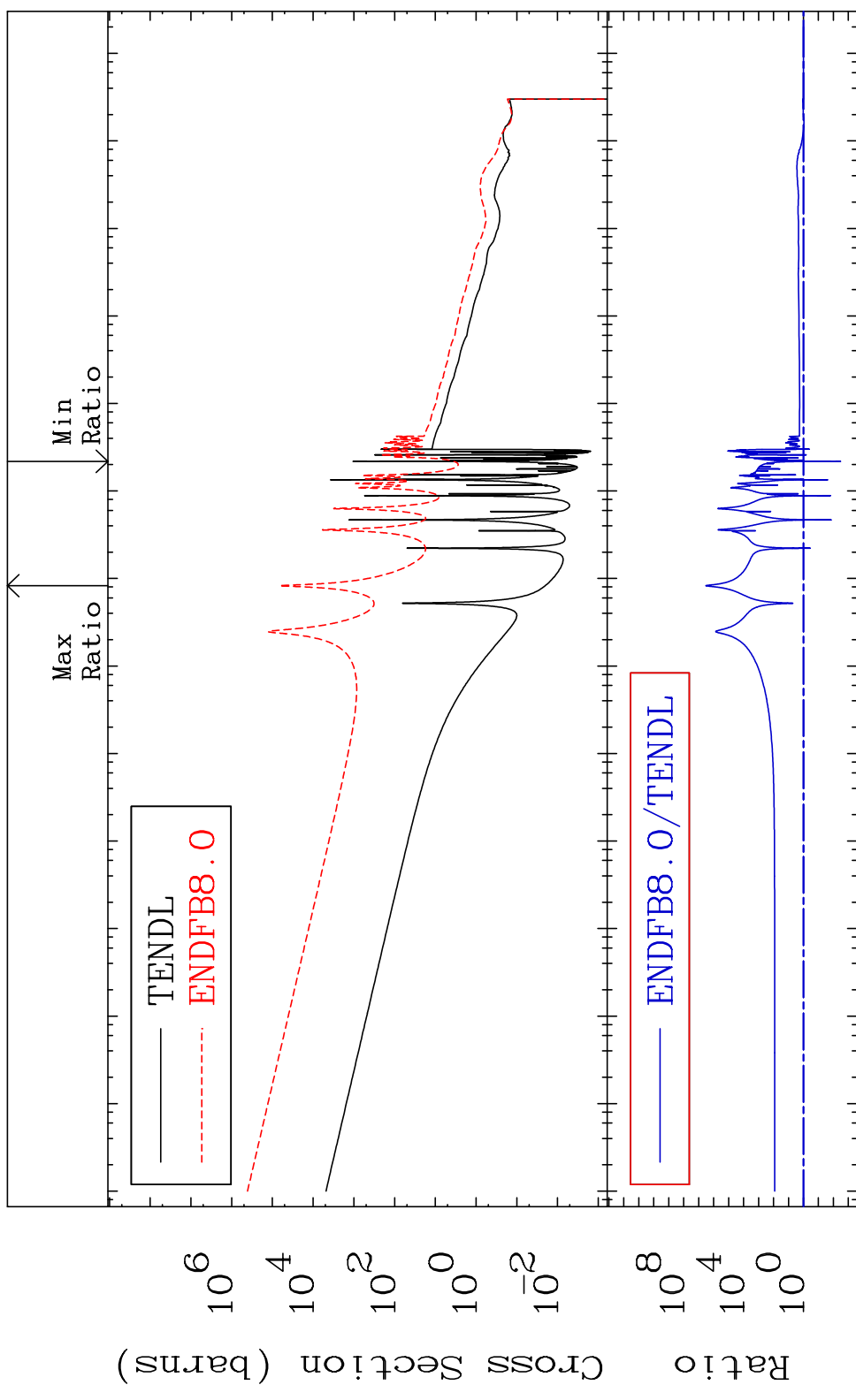
64 Incident Energy (eV) 80-Hg-203

MAT 8046 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-203
 Cross Section -348.4 To 78.56 %

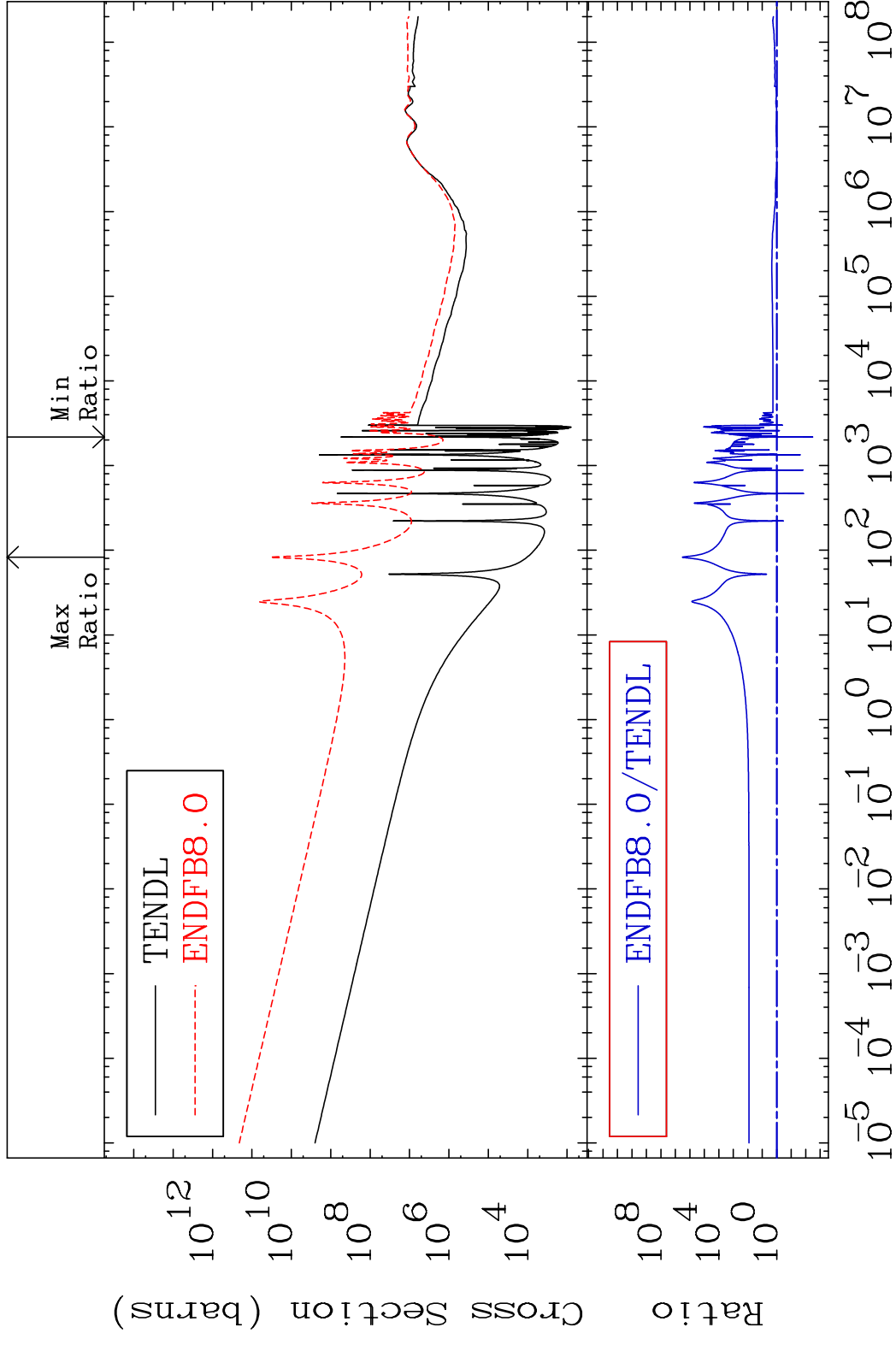


MAT 8046

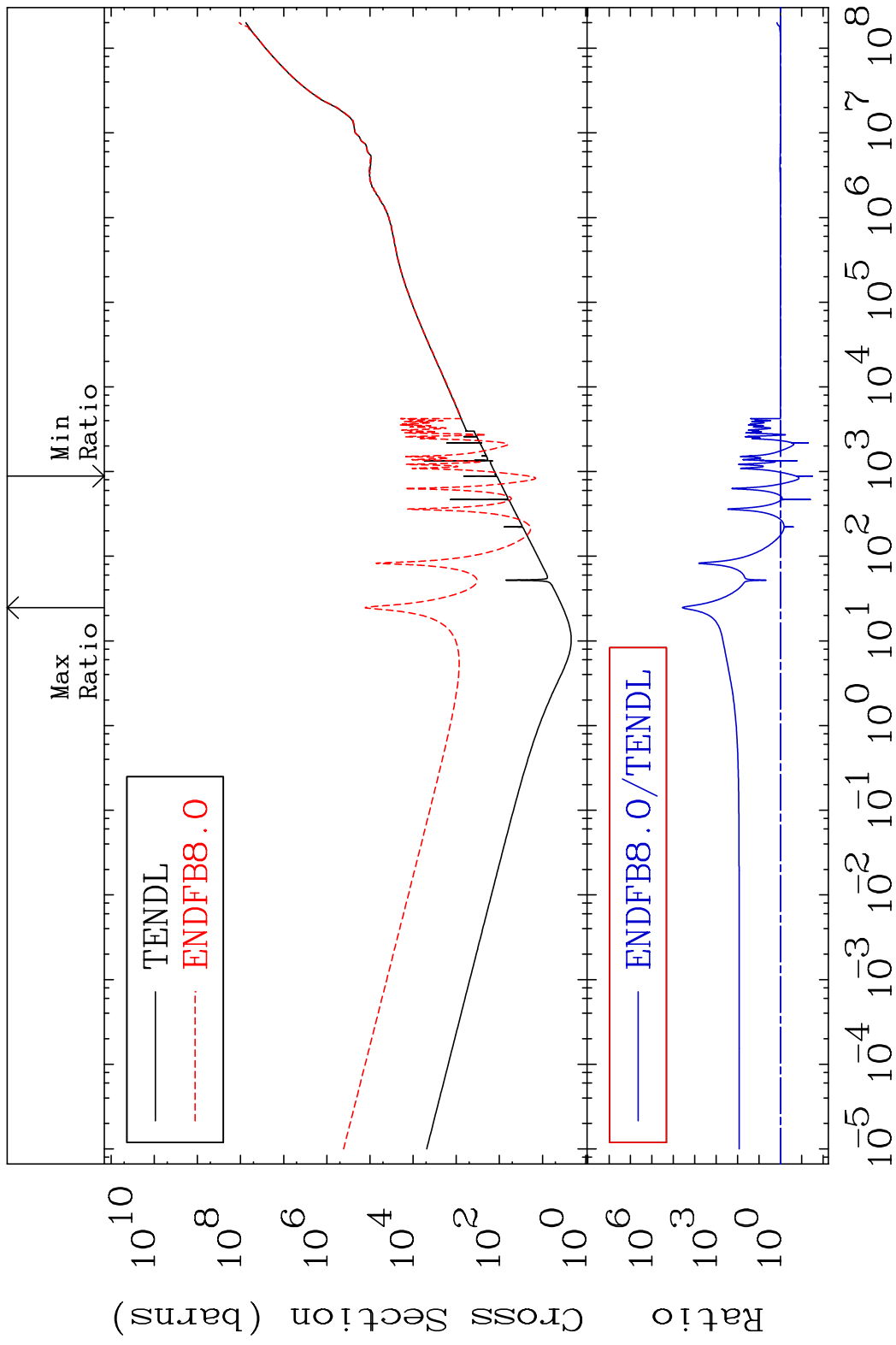
Kerma capture (mt102) 80-Hg-203
Cross Section -99.66 To 9999. %



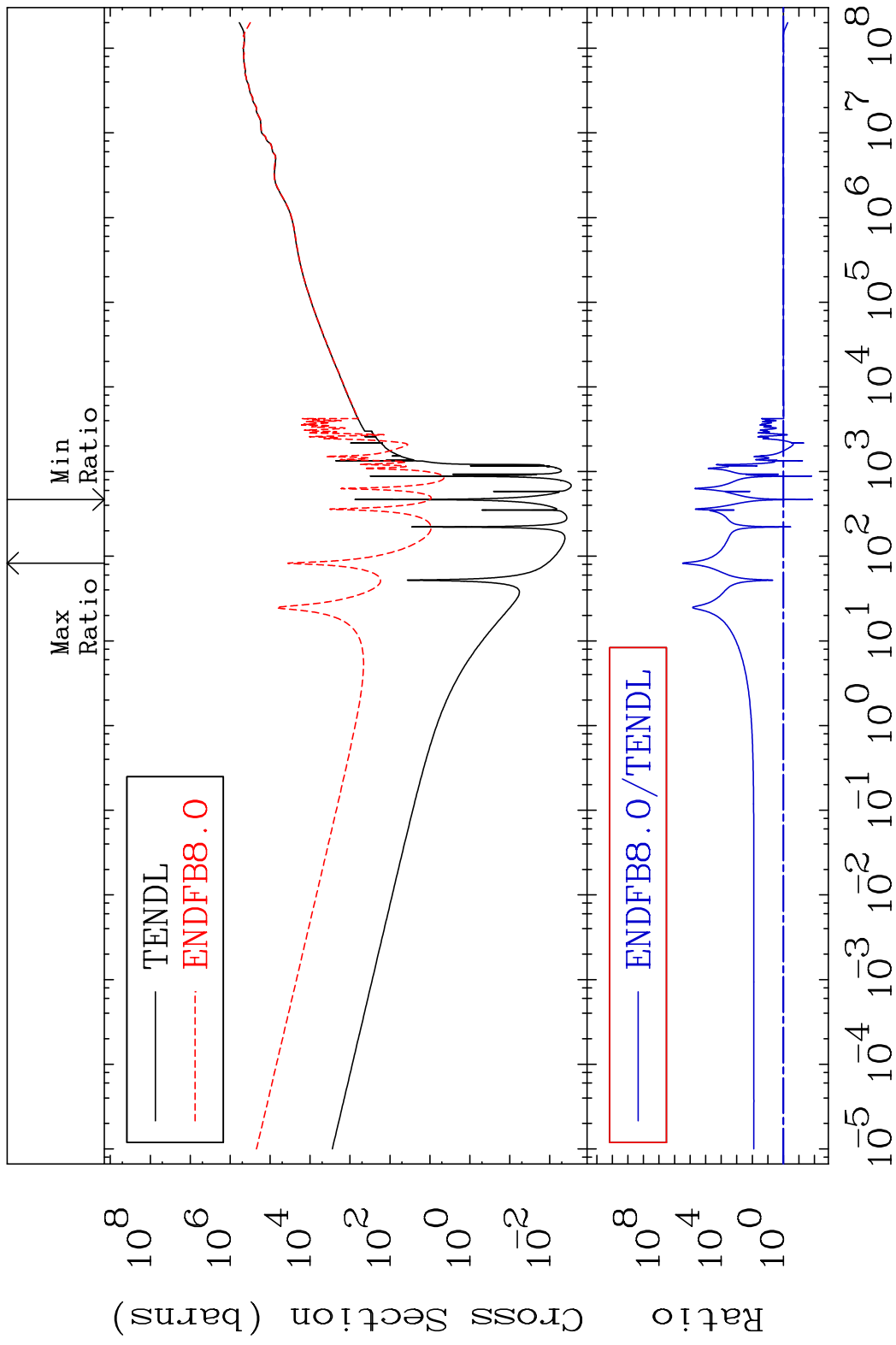
MAT 8046 Total photon (eV-barns) 80-Hg-203
 Cross Section -99.66 To 9999. %



MAT 8046 Total kinematic kerma (high limit) 80-Hg-203
 Cross Section -96.87 To 9999. %



MAT 8046 Dpa total (eV-barns) 80-Hg-203
 Cross Section -98.67 To 9999. %

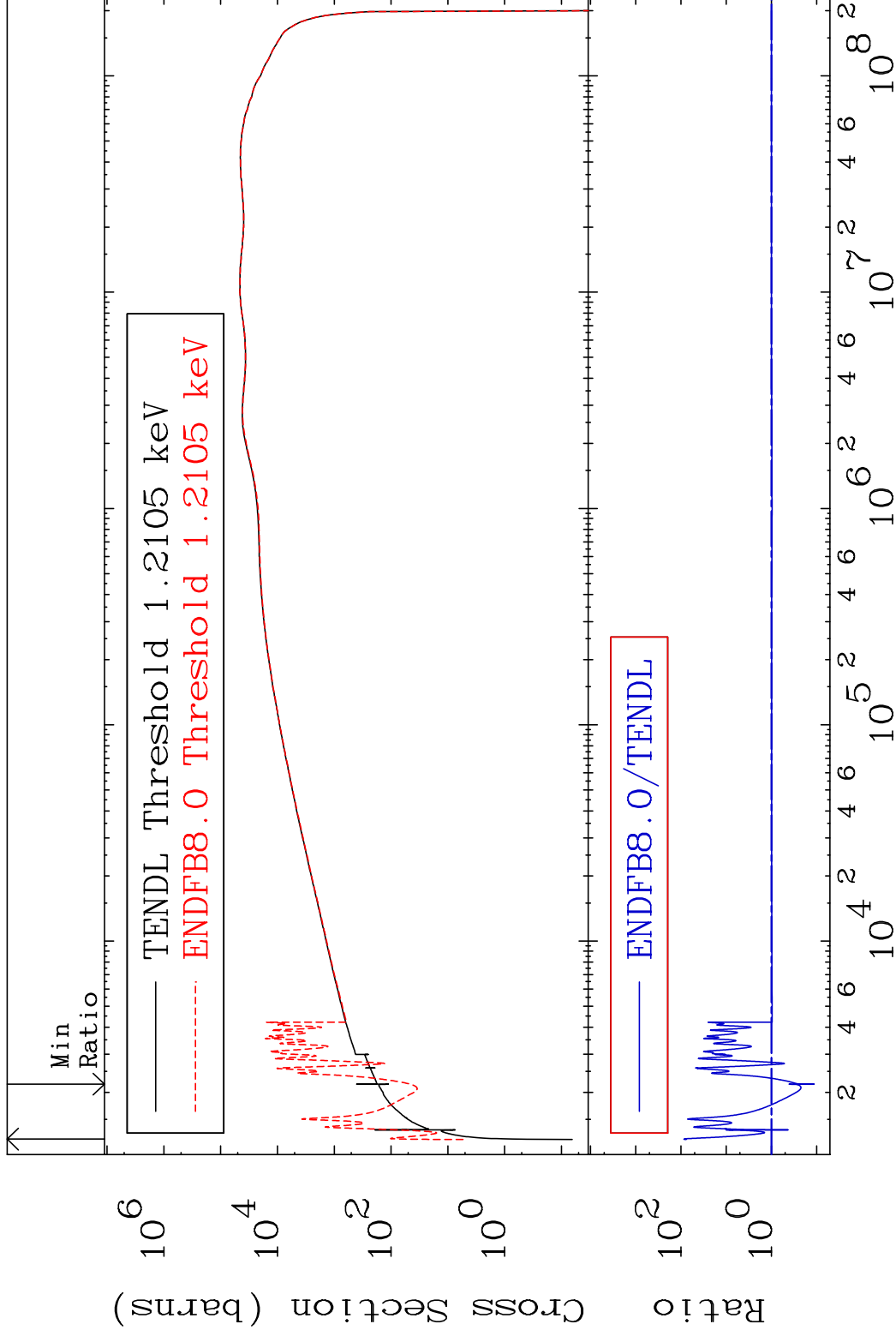


MAT 8046

Dpa elastic (mt2)

80-Hg-203

Cross Section -88.58 To 8630. %

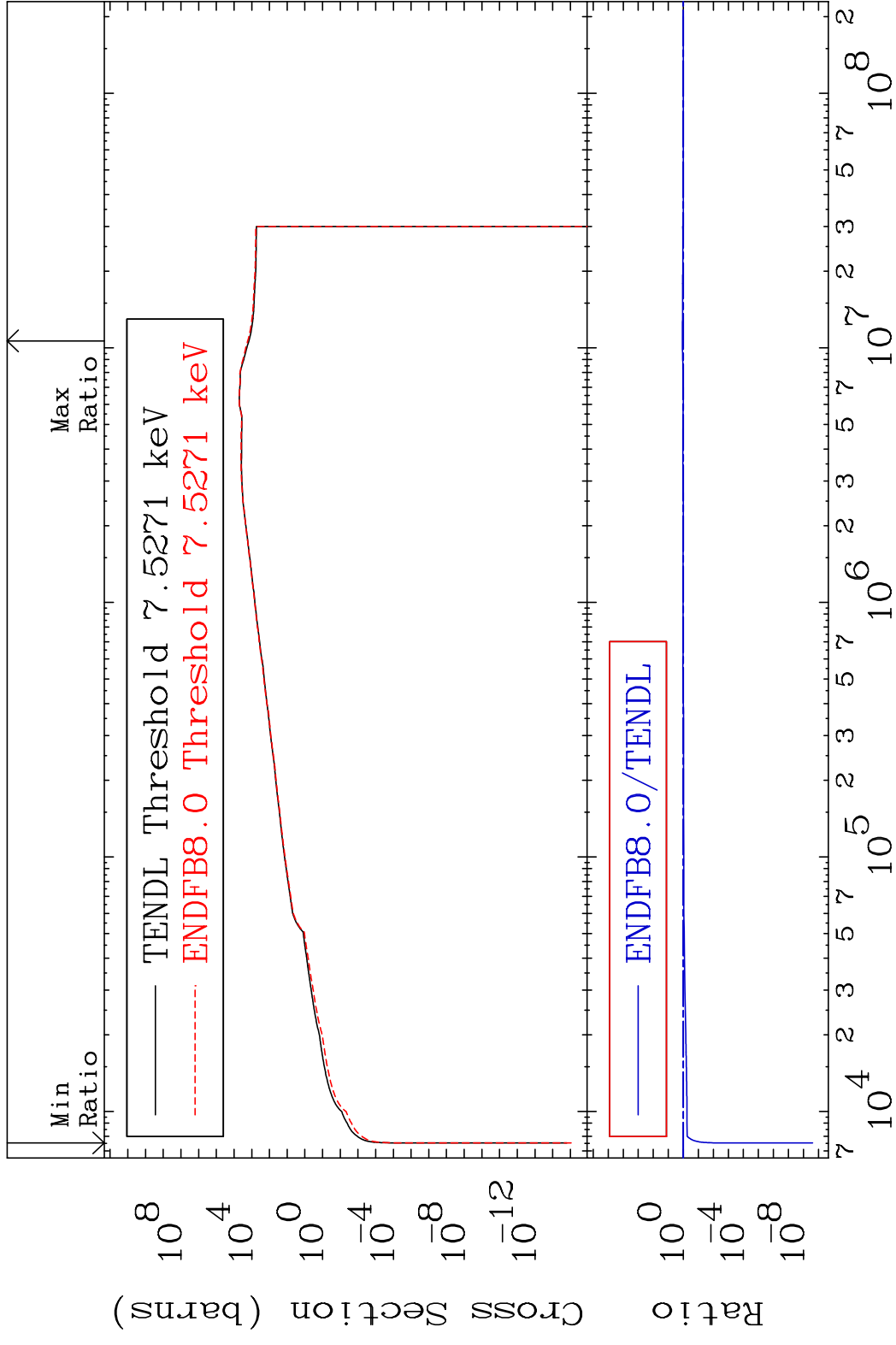


70

Incident Energy (eV)

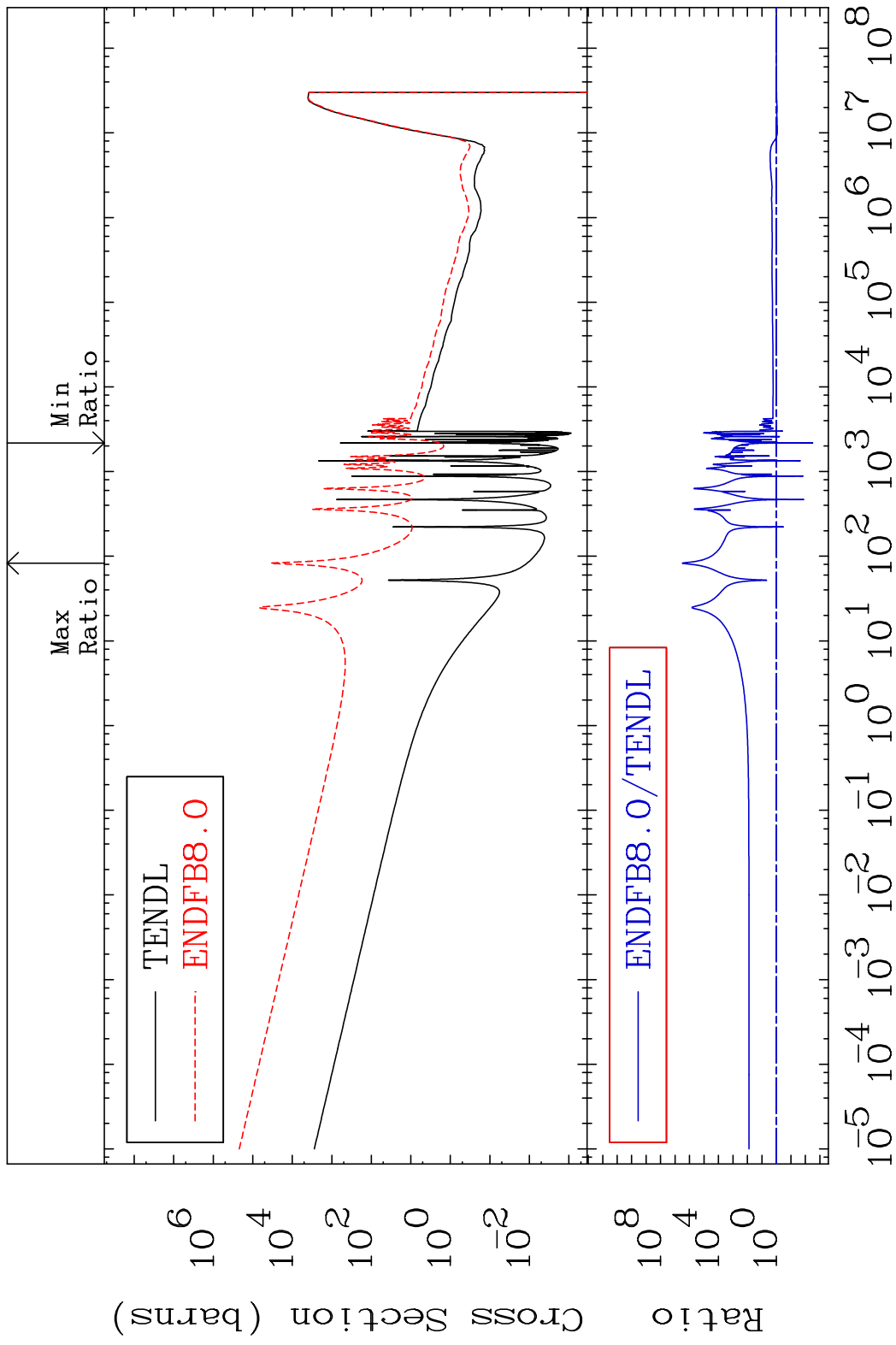
80-Hg-203

MAT 8046 Dpa inelastic (mt51-91) 80-Hg-203
 Cross Section -100.0 To 15.49 %

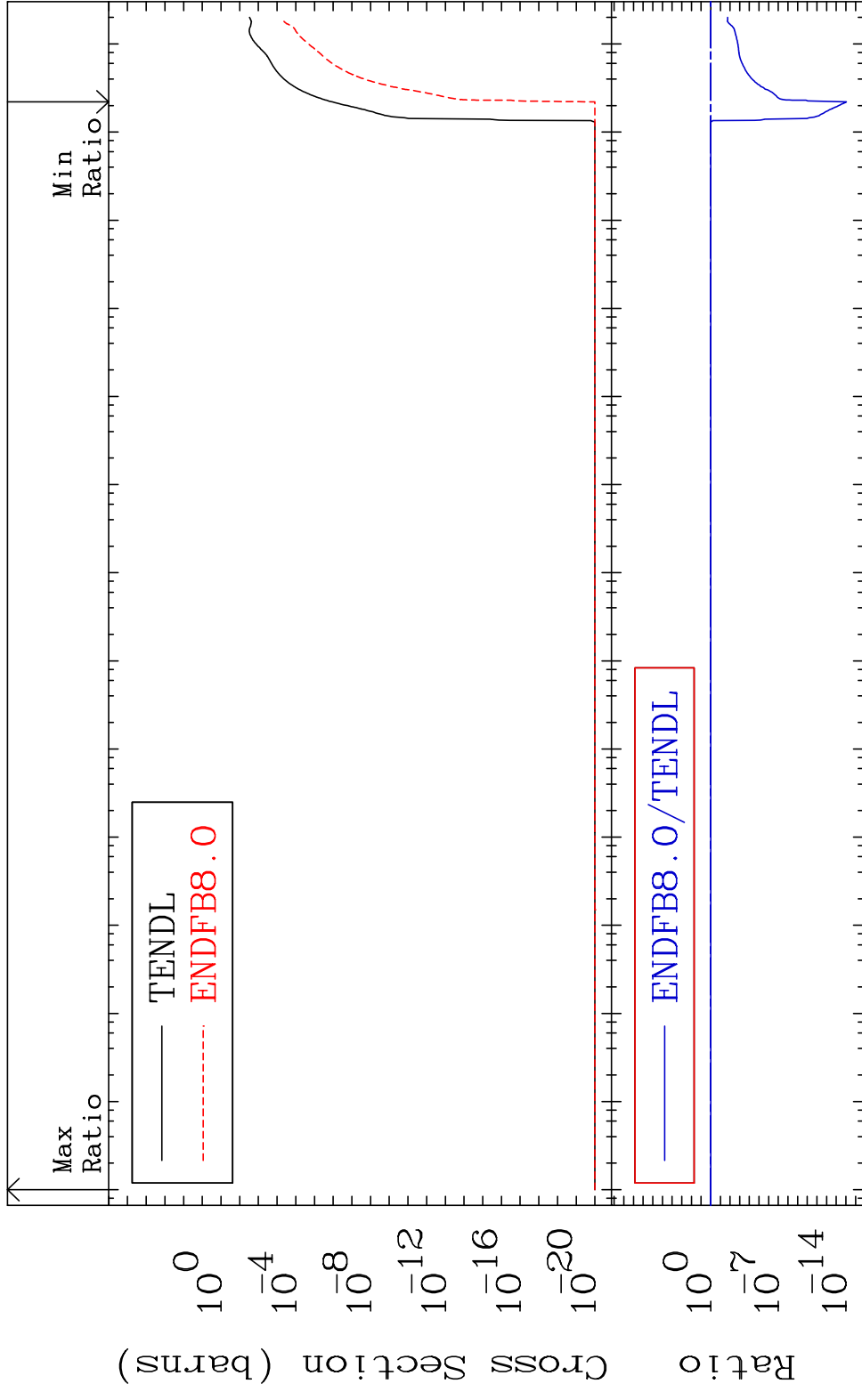


71 Incident Energy (eV) 80-Hg-203

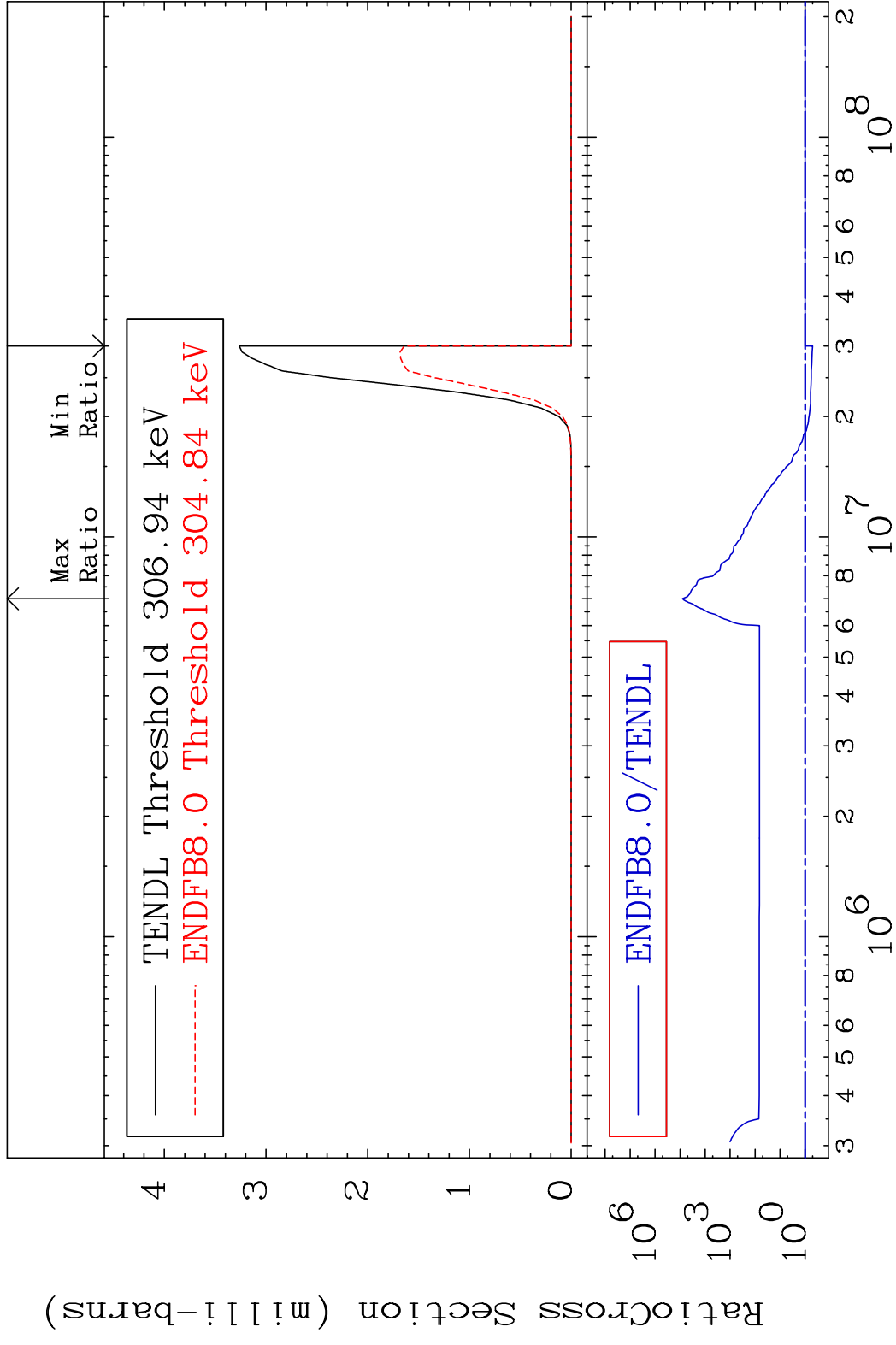
MAT 8046 Dpa disappearance (mt102 -120) 80-Hg-203
 Cross Section -99.68 To 9999. %

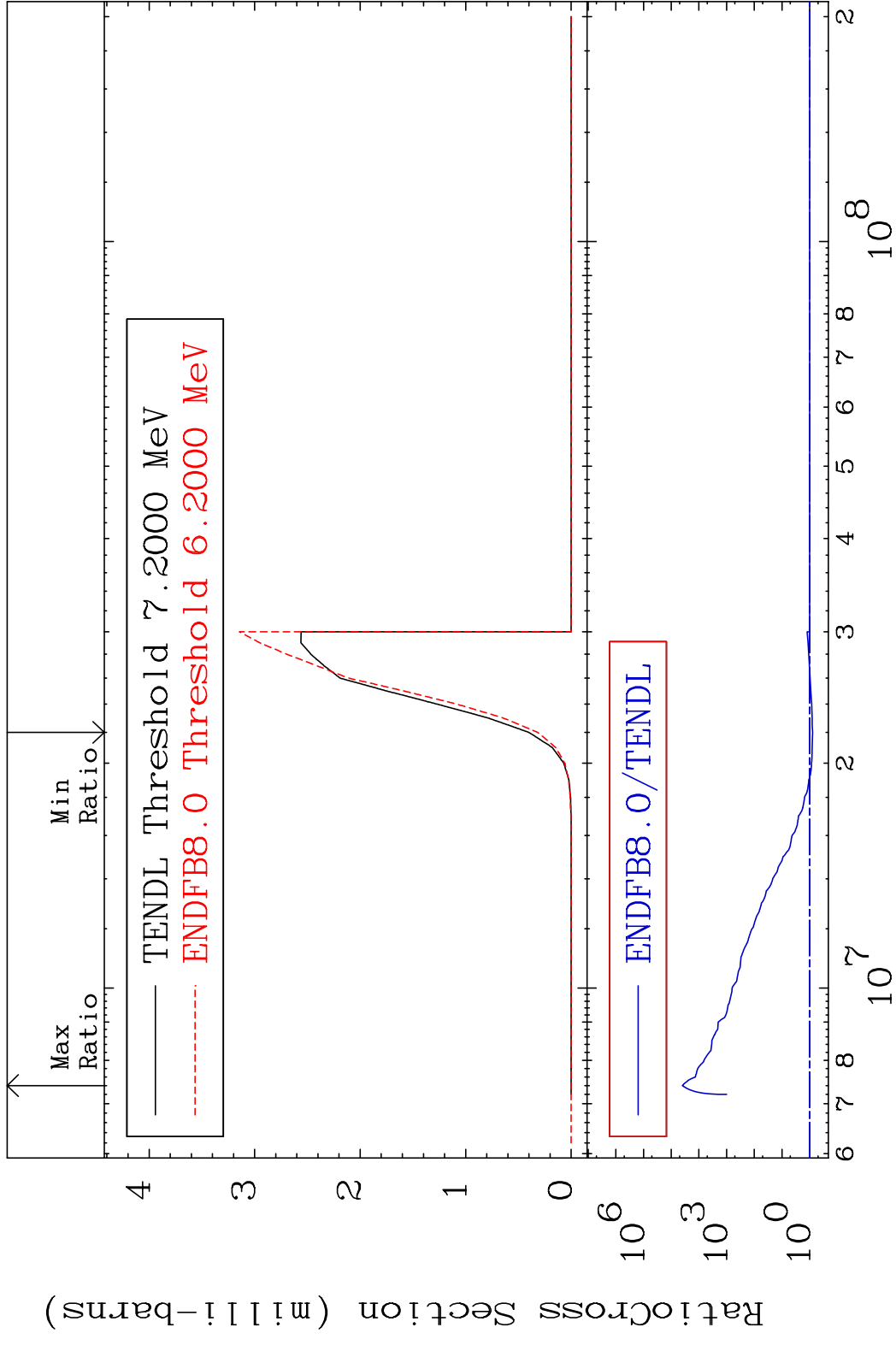


MAT 8046 Fission:0-??-Nat 80-Hg-203
 Radionuclide Production Cross Section 0.000 %

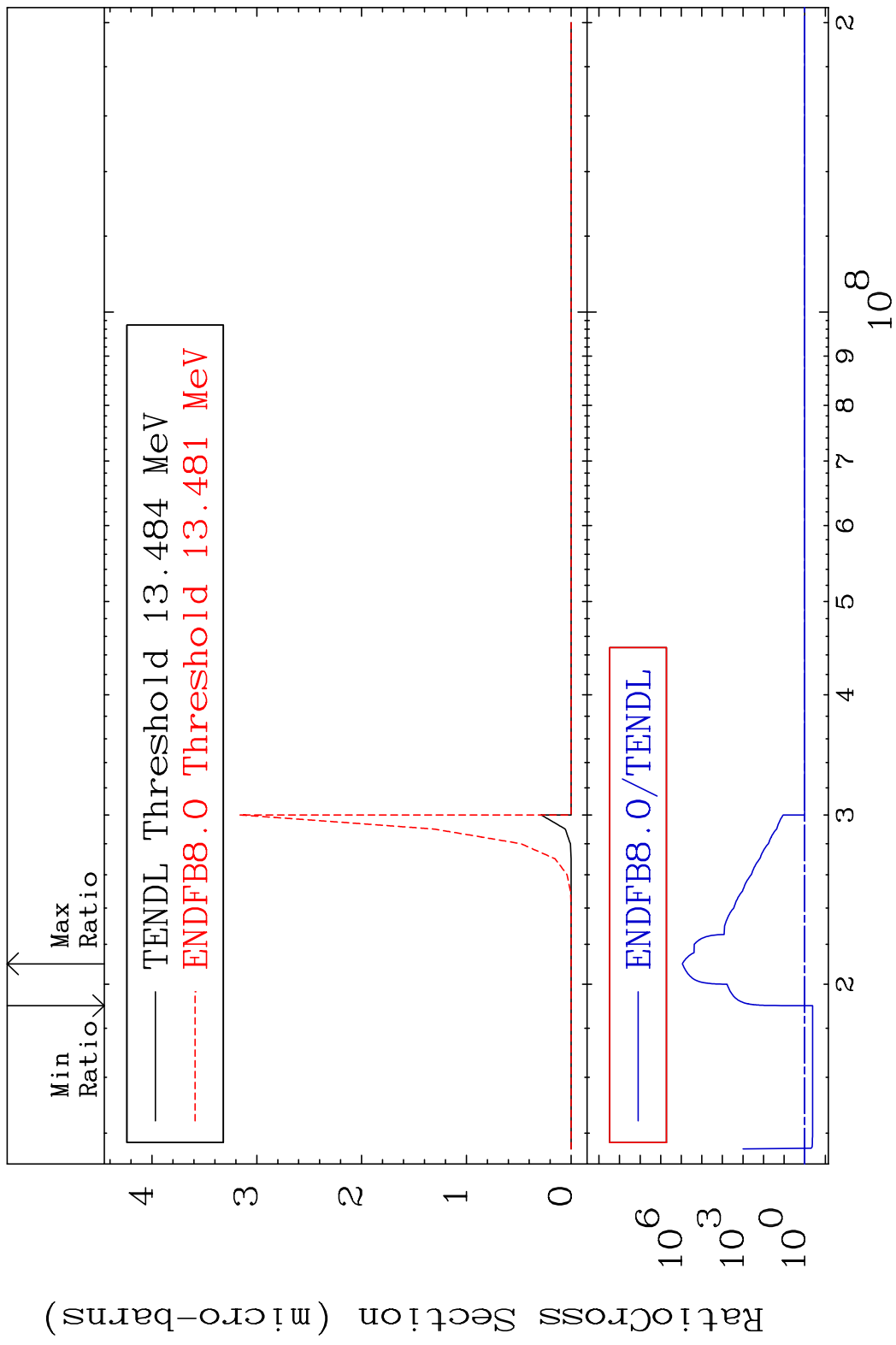


73 Incident Energy (eV) 80-Hg-203





MAT 8046 (n,3n) α :78-Pt-197g 80-Hg-203
 Radionuclide Production Cross Section 58e50 d10 9999. %



MAT 8046 (n,3n) α :78-Pt-197m9 80-Hg-203
 Radionuclide Production Cross Section Ratio 9999. %

