

Program Complot
(Version 2021-1)

by

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U.S.A.

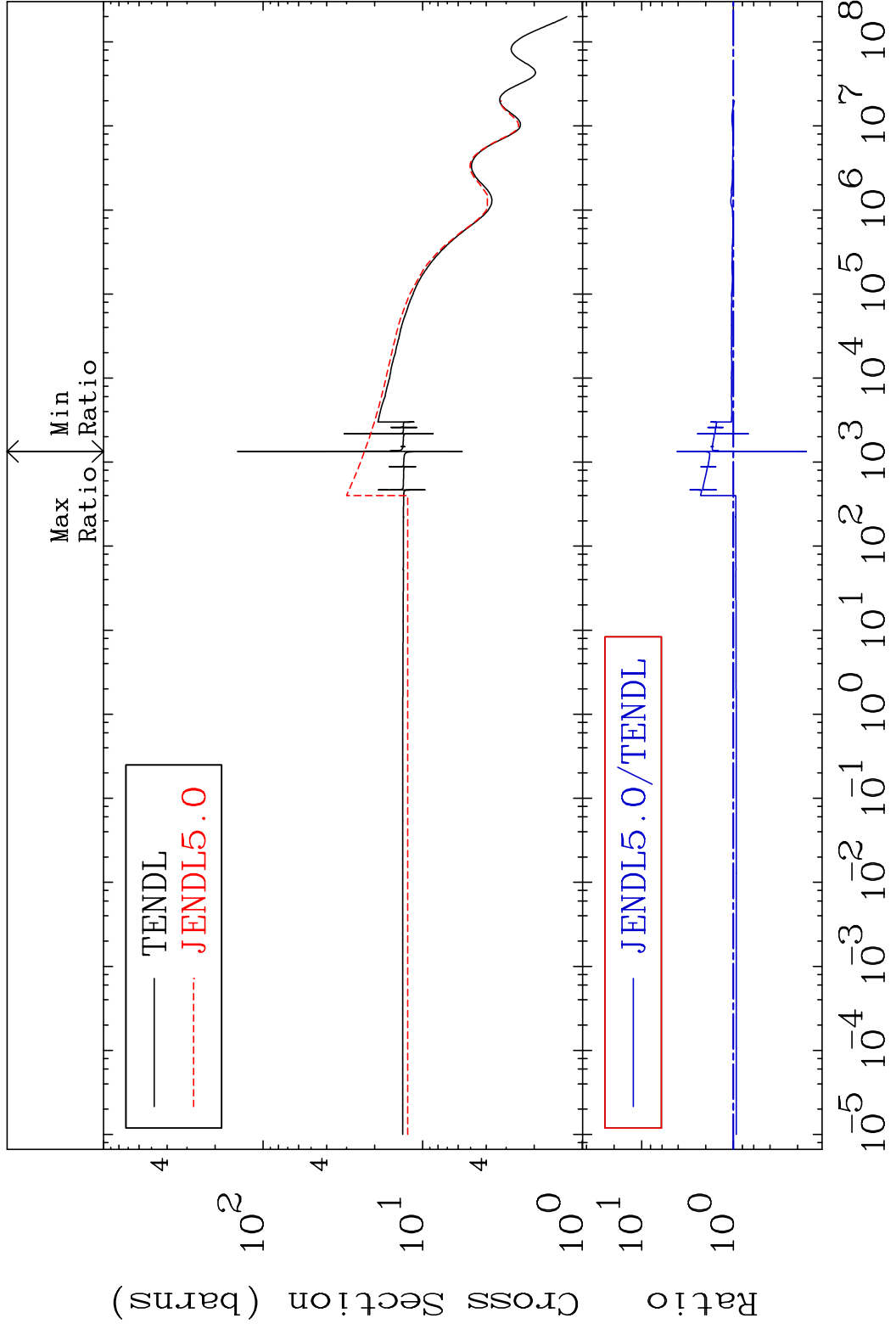
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8046

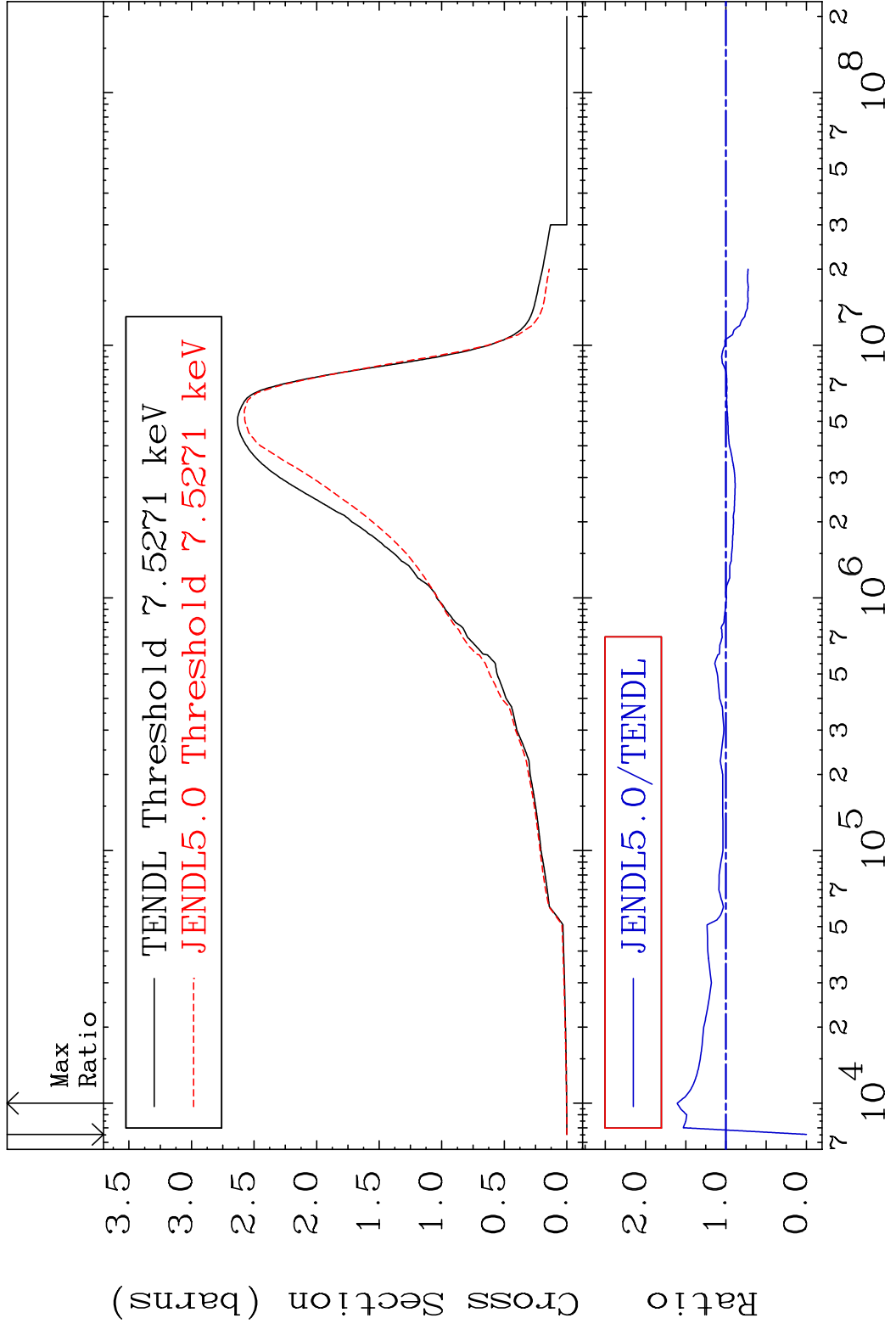
Elastic Cross Section -83.98 To 310.6 %
80-Hg-203



2

Incident Energy (eV) 80-Hg-203

MAT 8046 Inelastic Cross Section -100.0 To 60.62 % 80-Hg-203



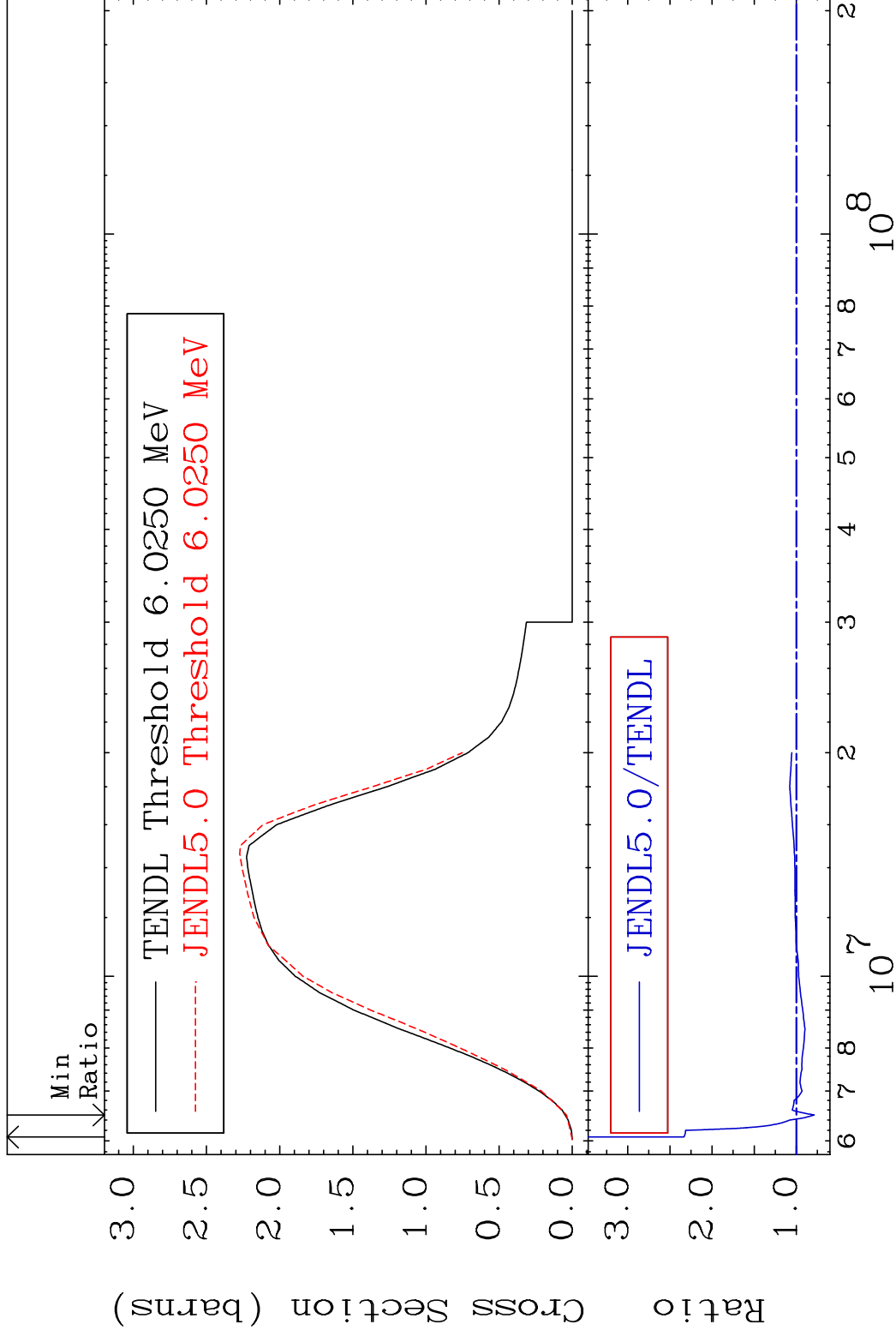
3 Incident Energy (eV) 80-Hg-203

MAT 8046

(n,2n)

80-Hg-203

Cross Section -21.08 To 133.7 %



4

Incident Energy (eV)

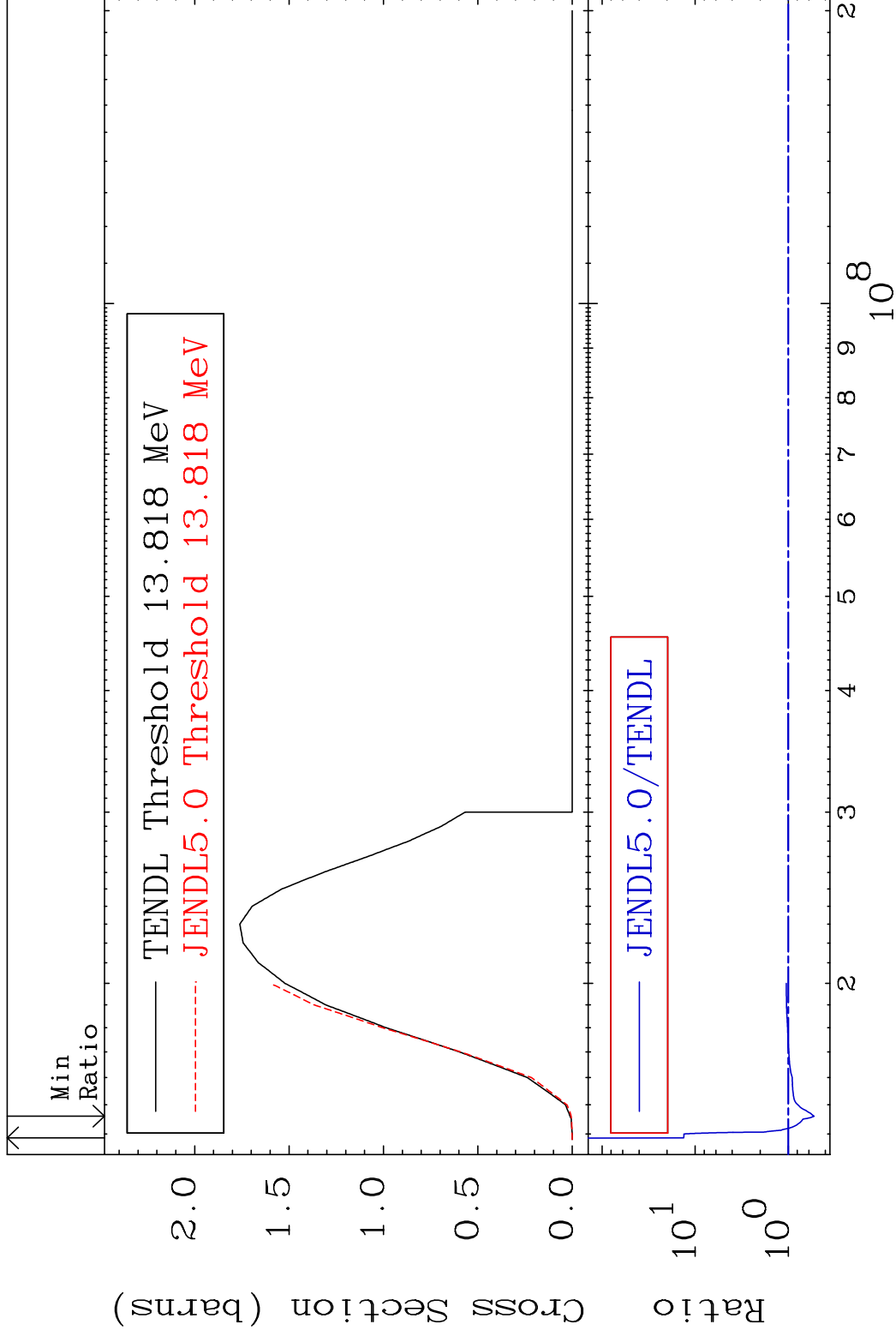
80-Hg-203

MAT 8046

(n,3n)

80-Hg-203

Cross Section -47.14 To 1229. %

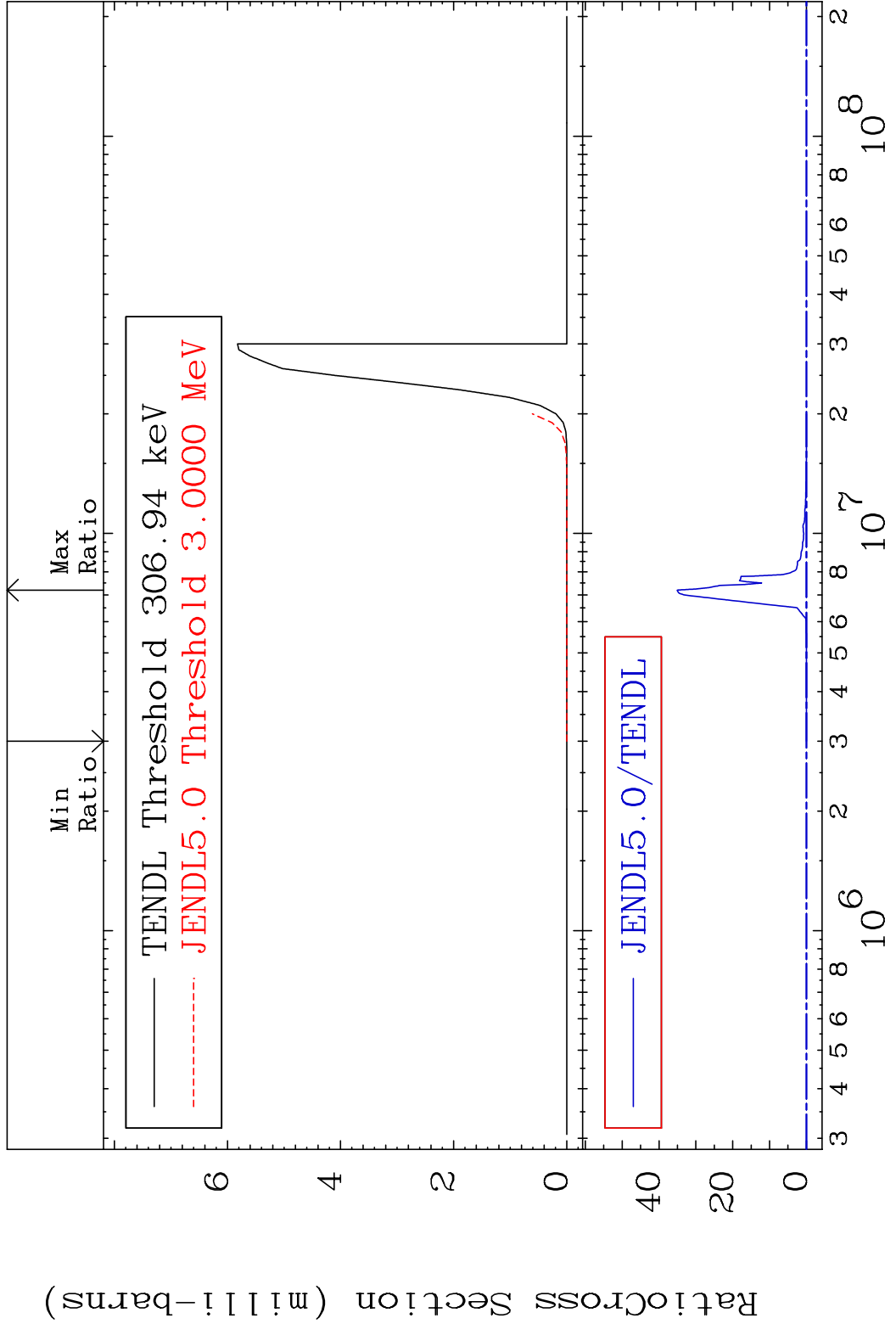


5

Incident Energy (eV)

80-Hg-203

MAT 8046 (n, n') α 80-Hg-203
 Cross Section -100.0 To 9999. %



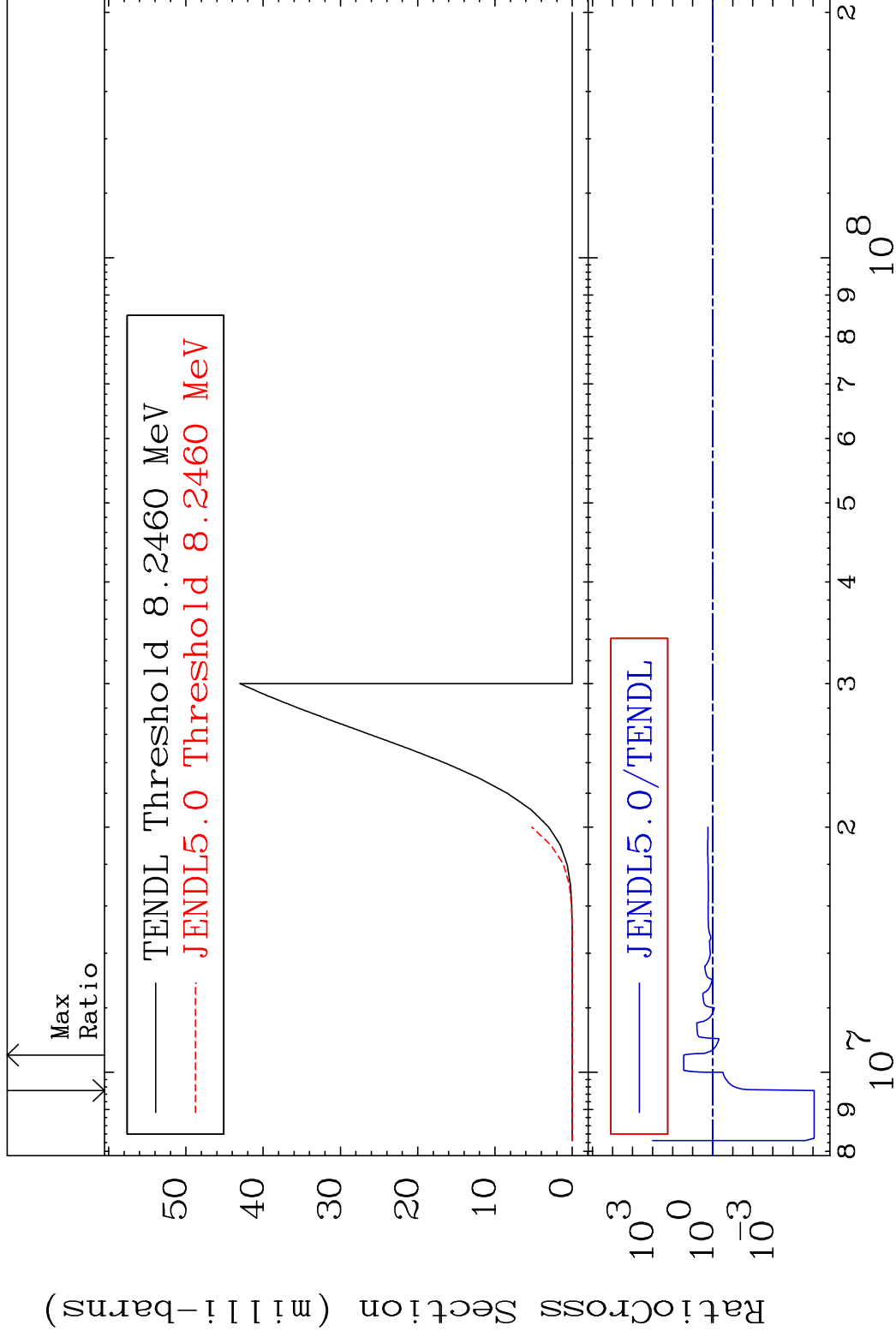
6 Incident Energy (eV) 80-Hg-203

MAT 8046

(n, n') p

80-Hg-203

Cross Section -100.0 To 2724. %



7

Incident Energy (eV)

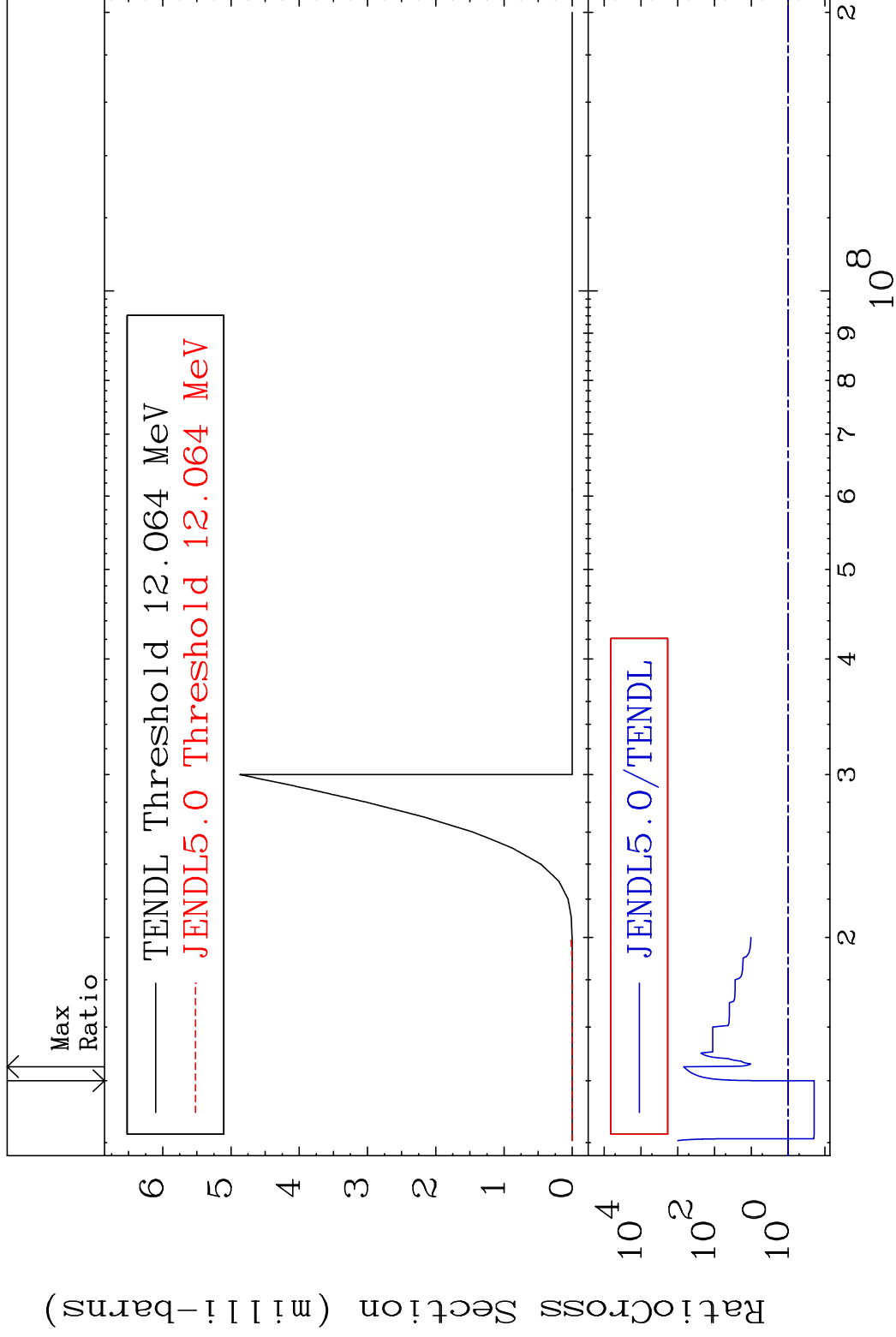
80-Hg-203

MAT 8046

(n, n') d

80-Hg-203

Cross Section -80.35 To 9999. %



8

Incident Energy (eV)

80-Hg-203

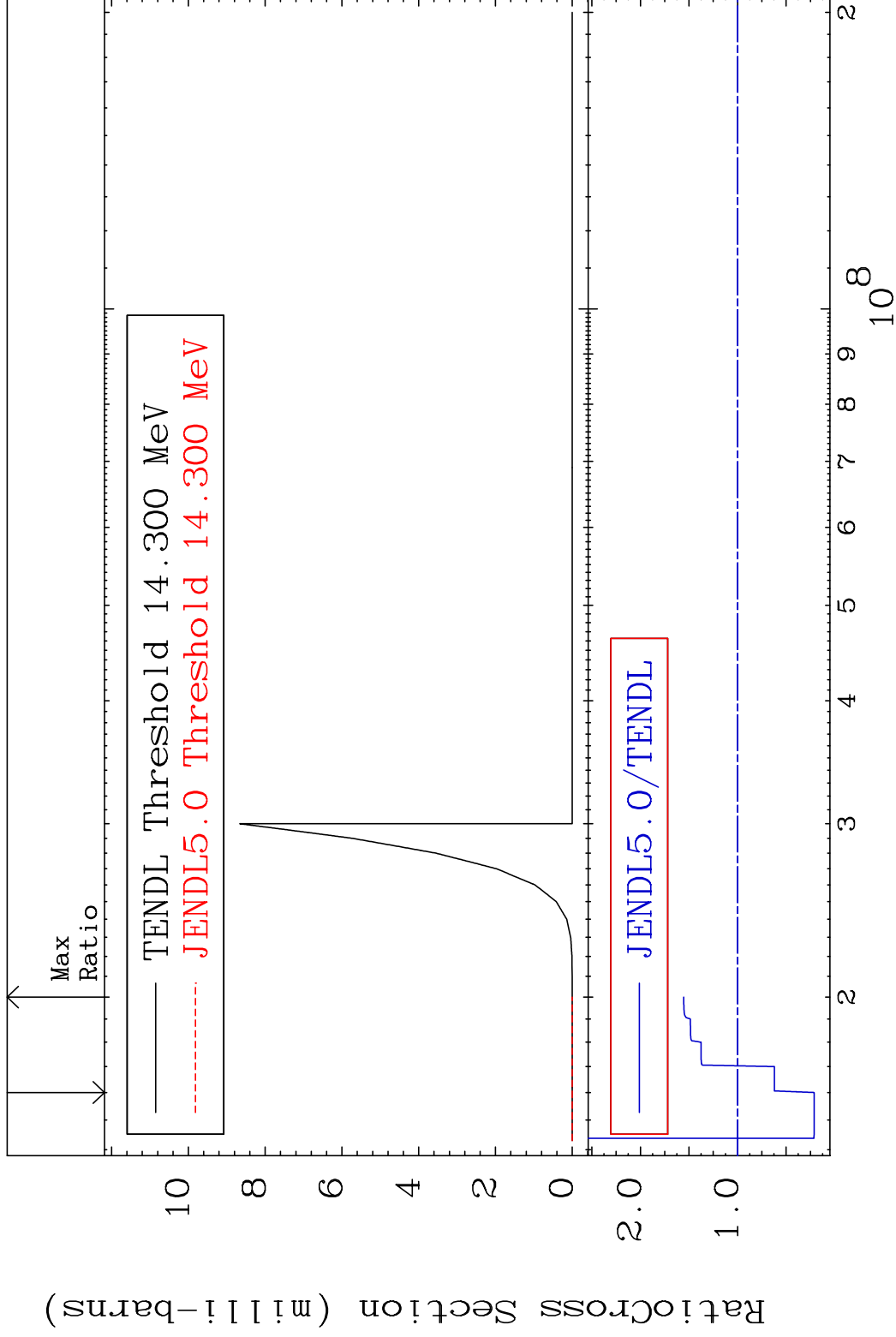
MAT 8046

(n,2n) p

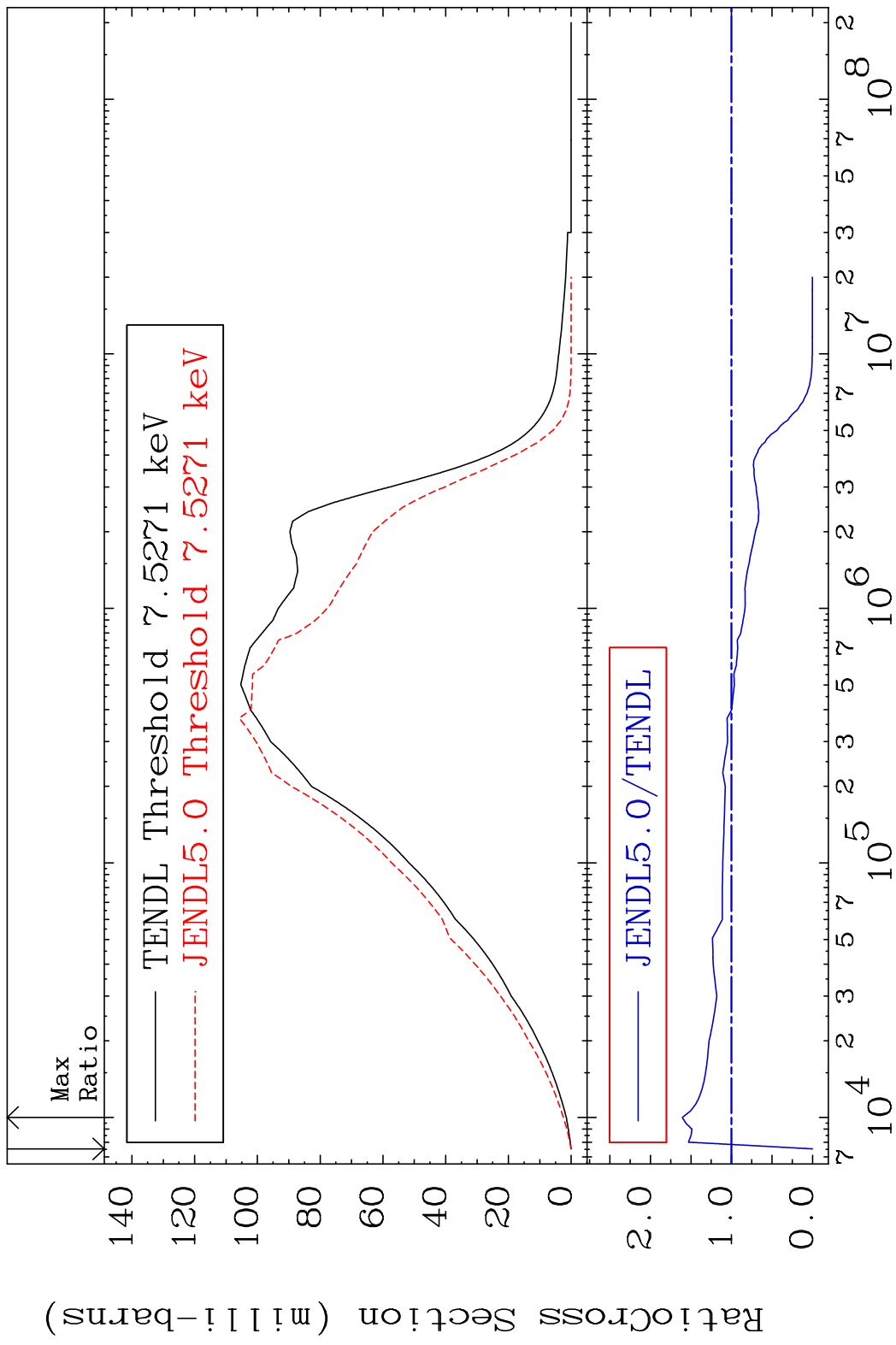
80-Hg-203

Cross Section

-78.83 To 55.49 %

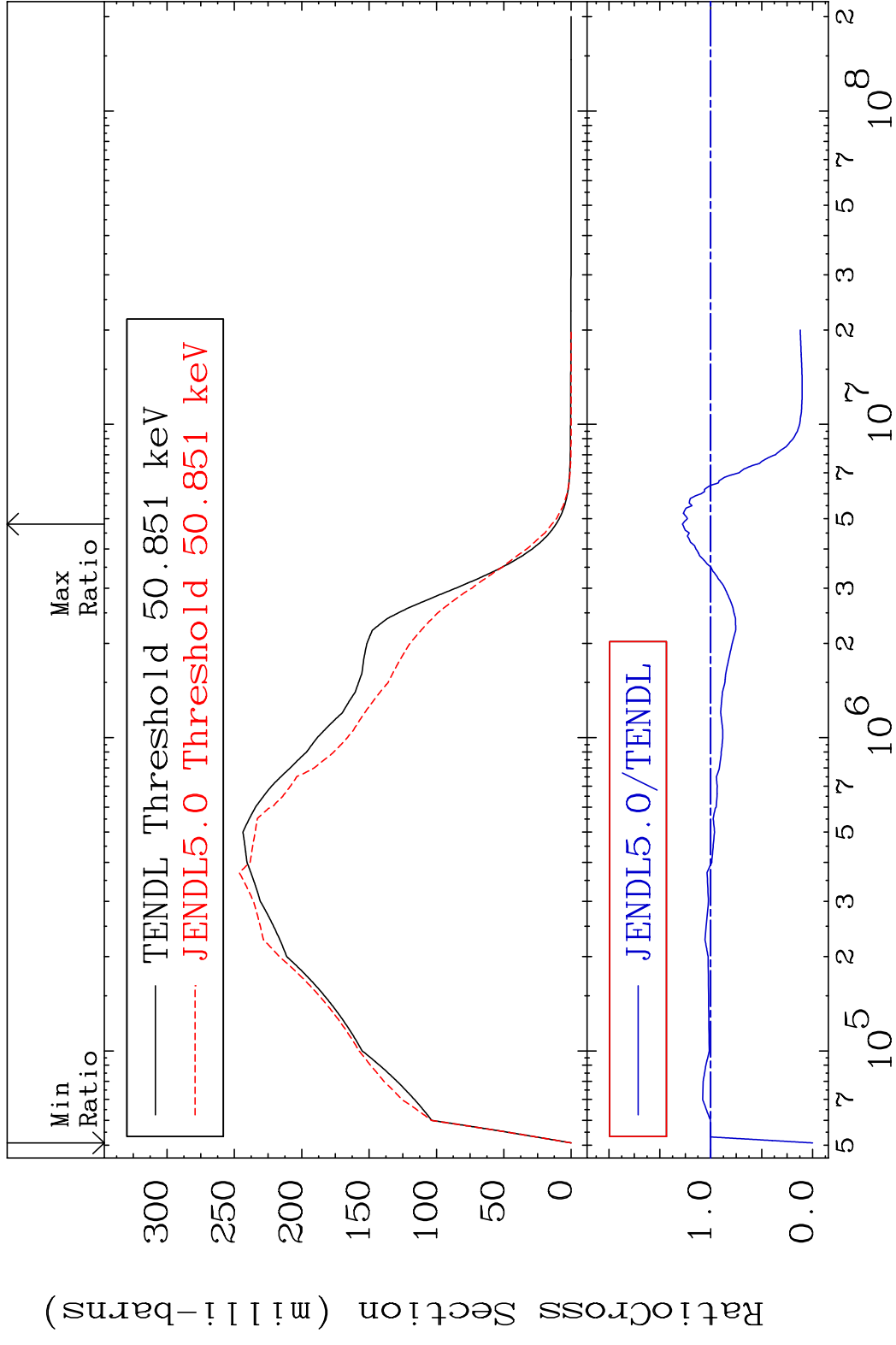


MAT 8046 MT= 51 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 60.62 %

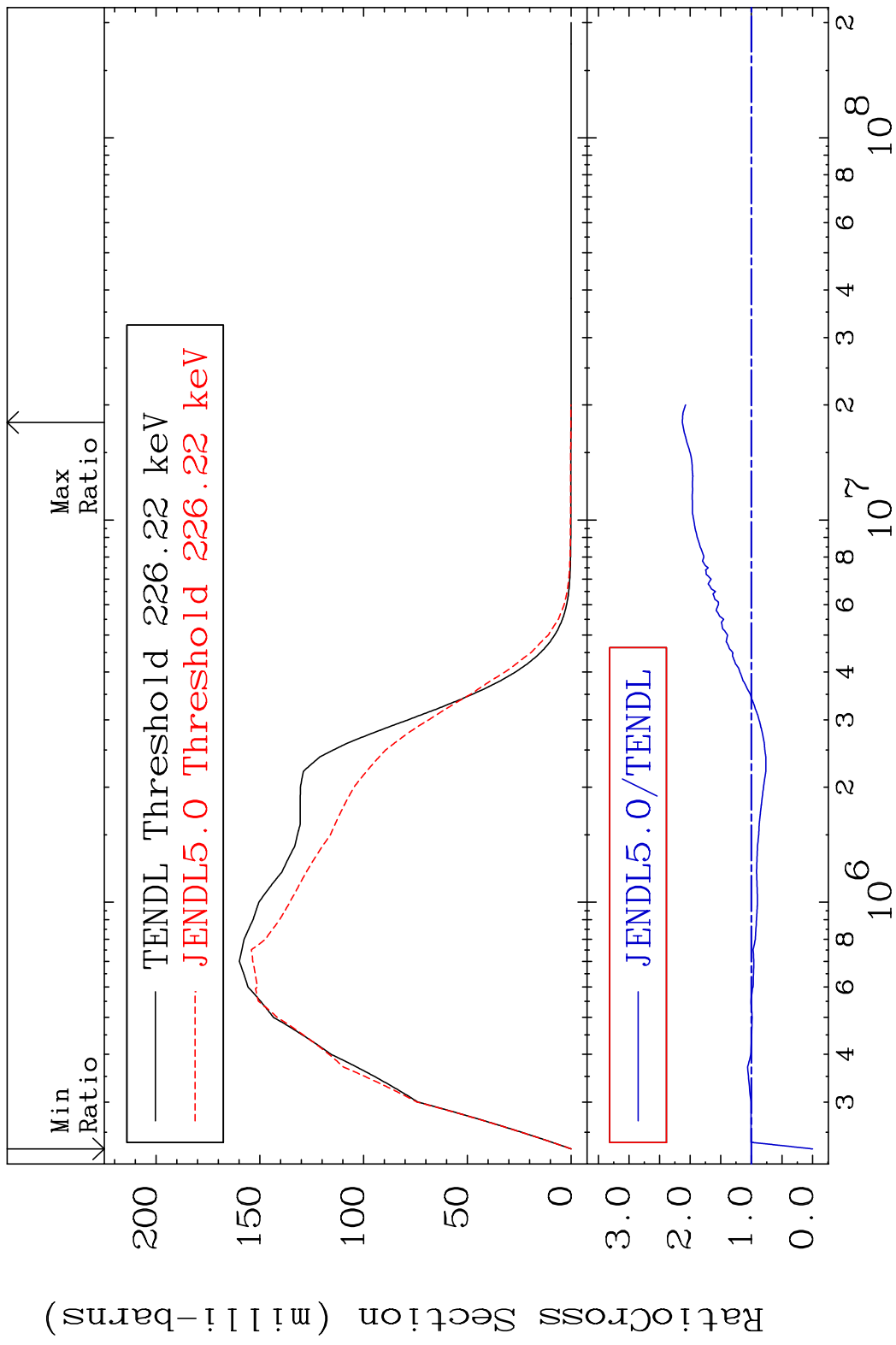


10 Incident Energy (eV) 80-Hg-203

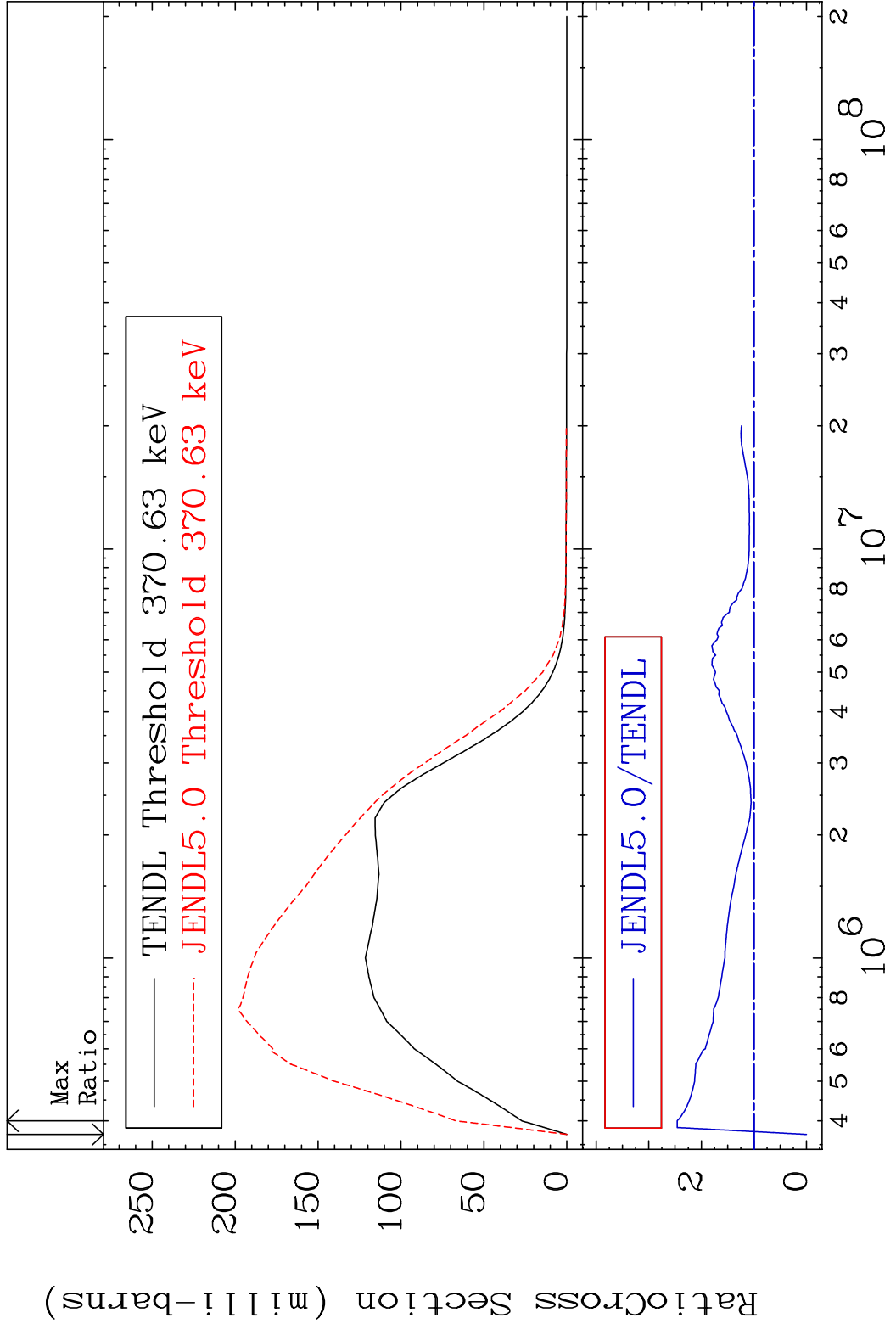
MAT 8046 MT= 52 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 27.87 %



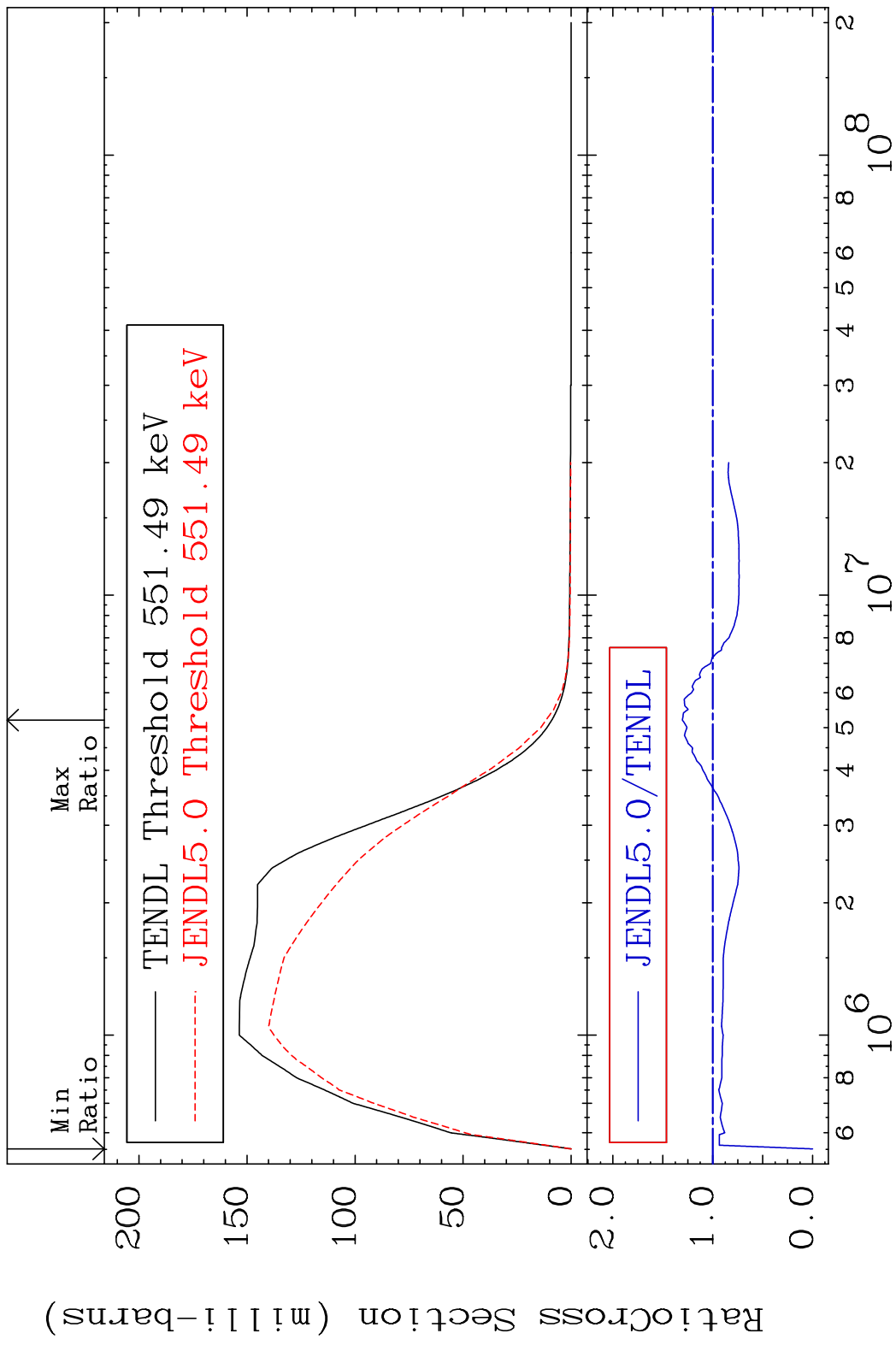
MAT 8046 MT= 53 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 112.8 %



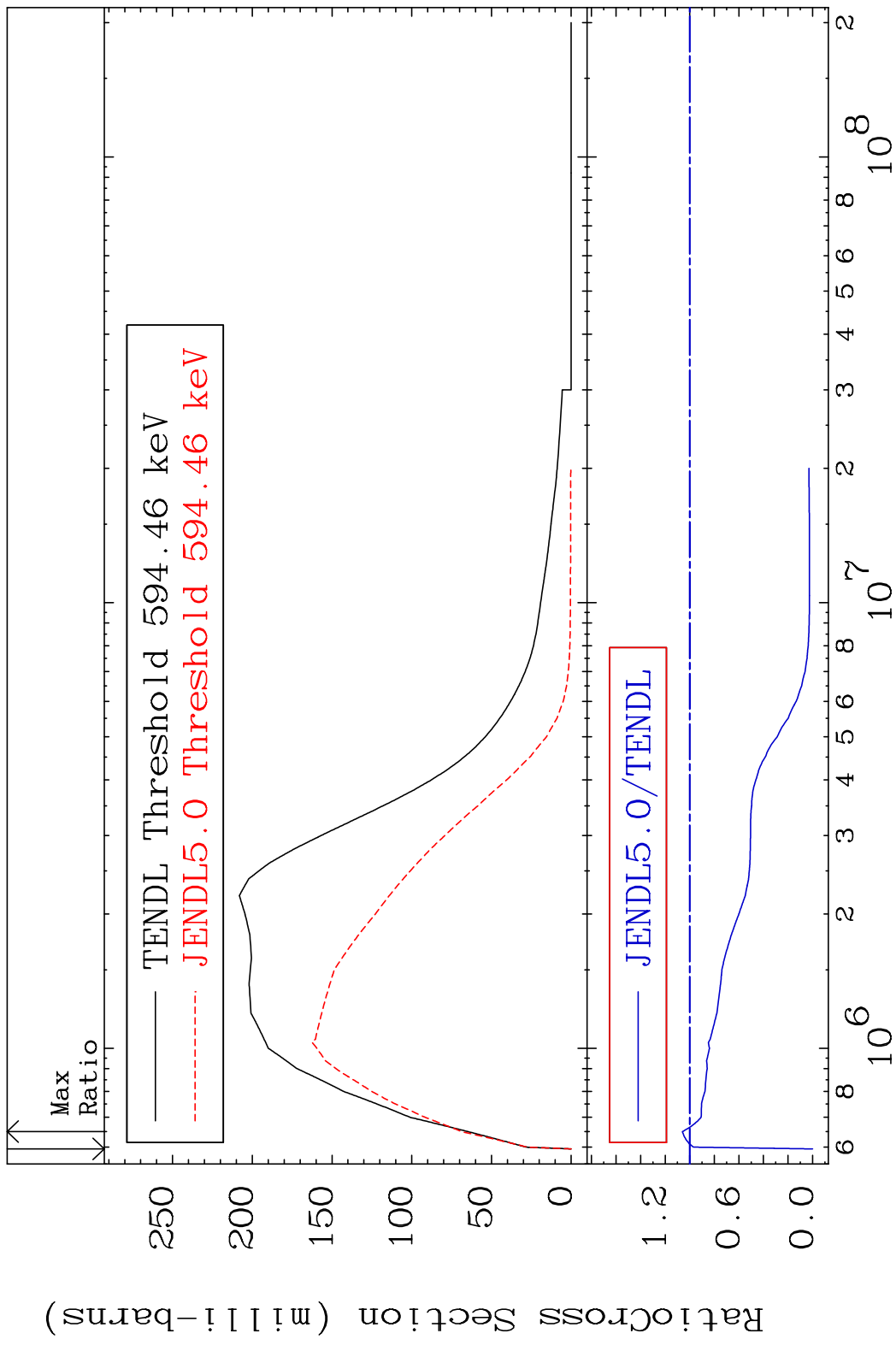
MAT 8046 MT= 54 (n,n') Level 80-Hg-203
 Cross Section -100.0 To 146.0 %



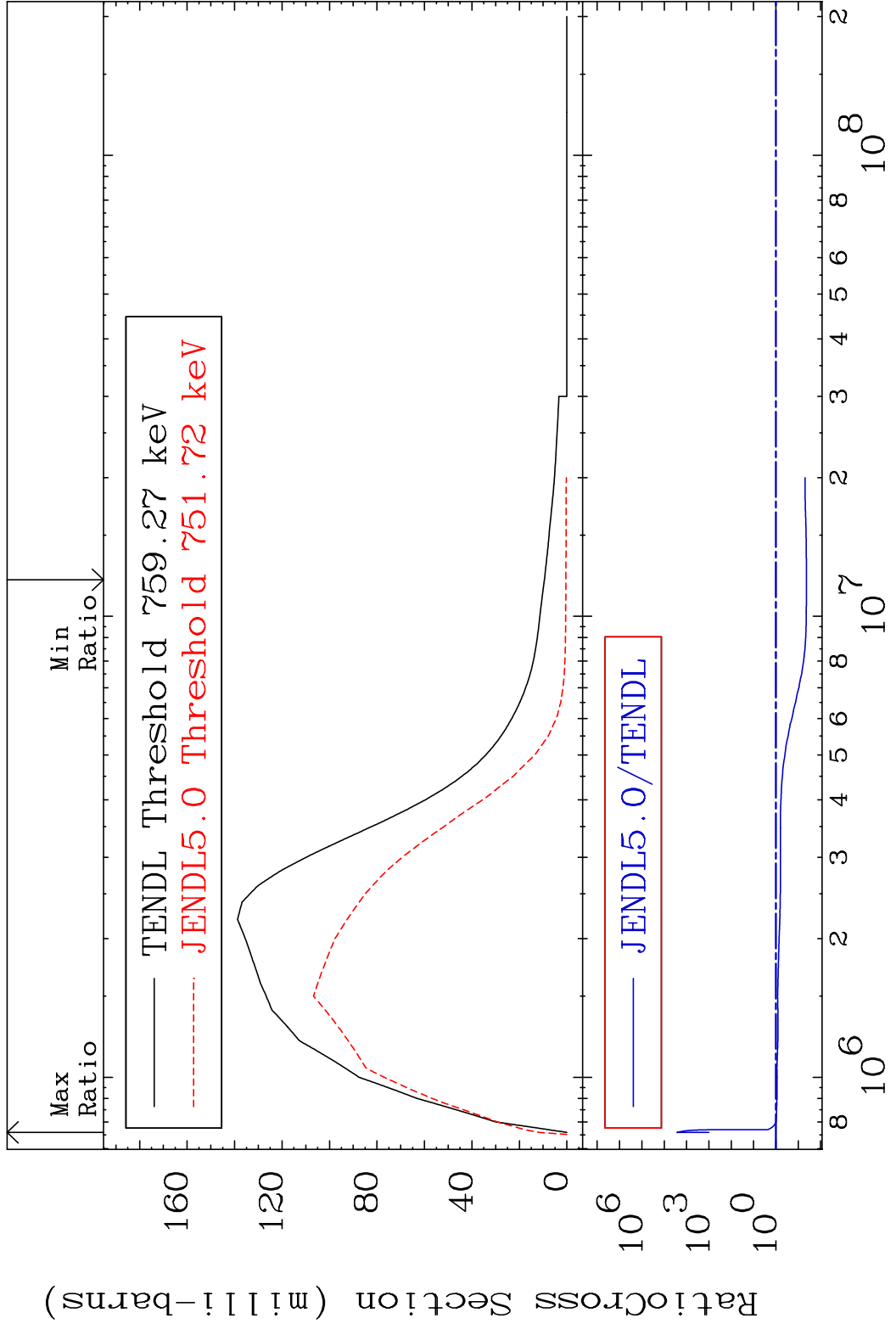
MAT 8046 MT= 55 (n, n') Level 80-Hg-203
 Cross Section -100.0 To 30.44 %



MAT 8046 MT= 56 (n,n') Level 80-Hg-203
 Cross Section -100.0 To 6.020 %

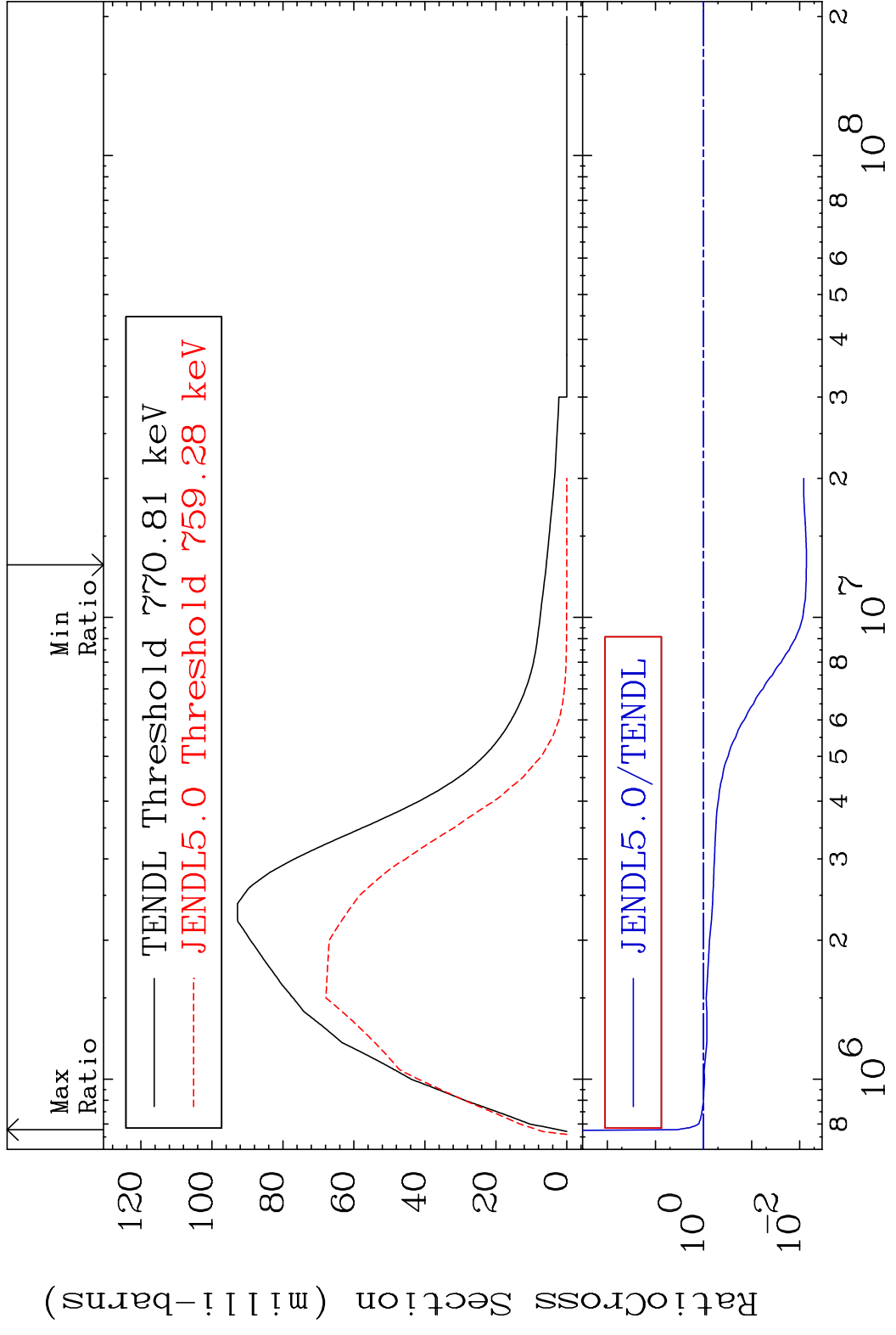


MAT 8046 MT= 57 (n, n') Level 80-Hg-203
 Cross Section -95.68 To 9999. %



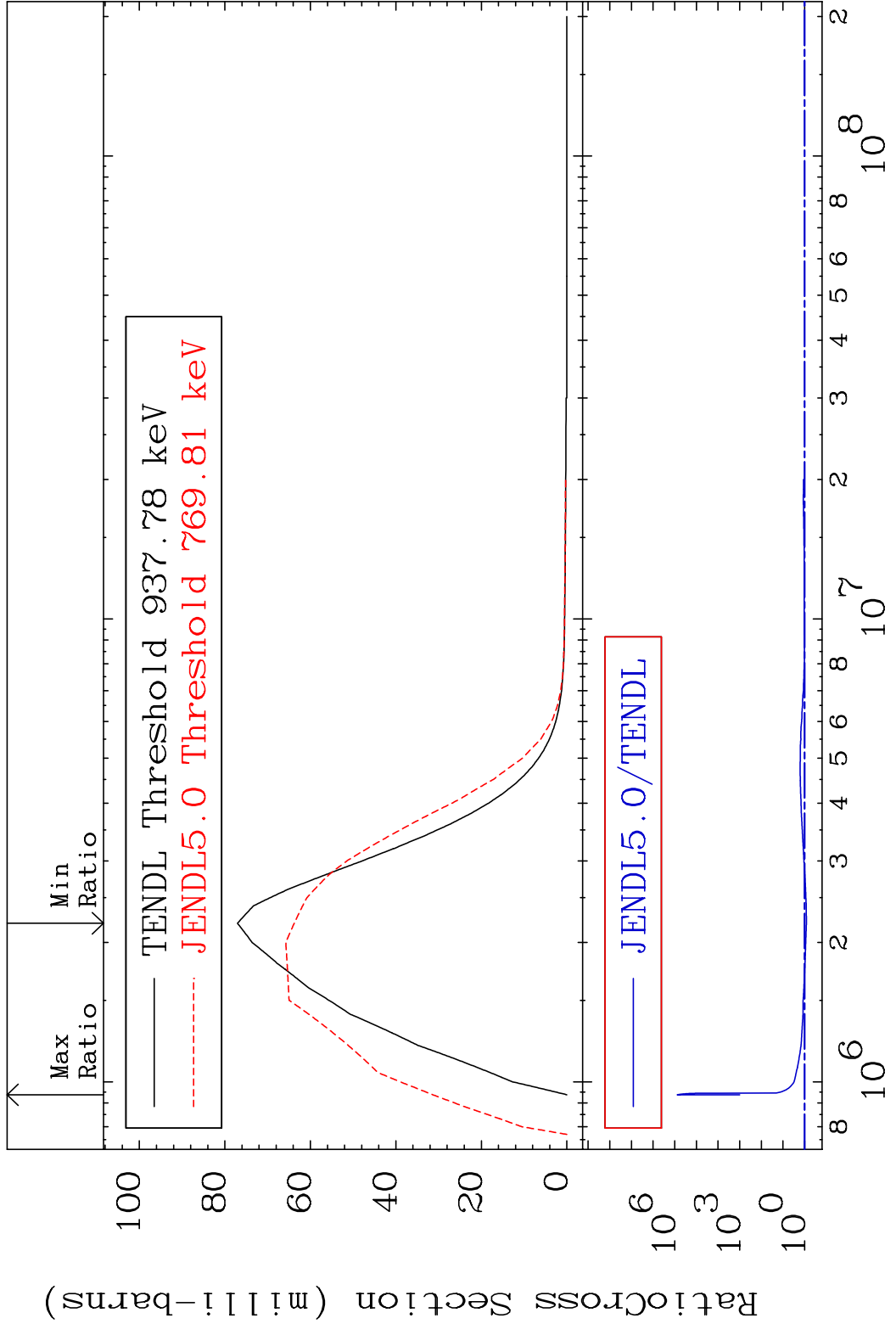
16 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 58 (n, n') Level 80-Hg-203
 Cross Section -99.28 To 252.9 %



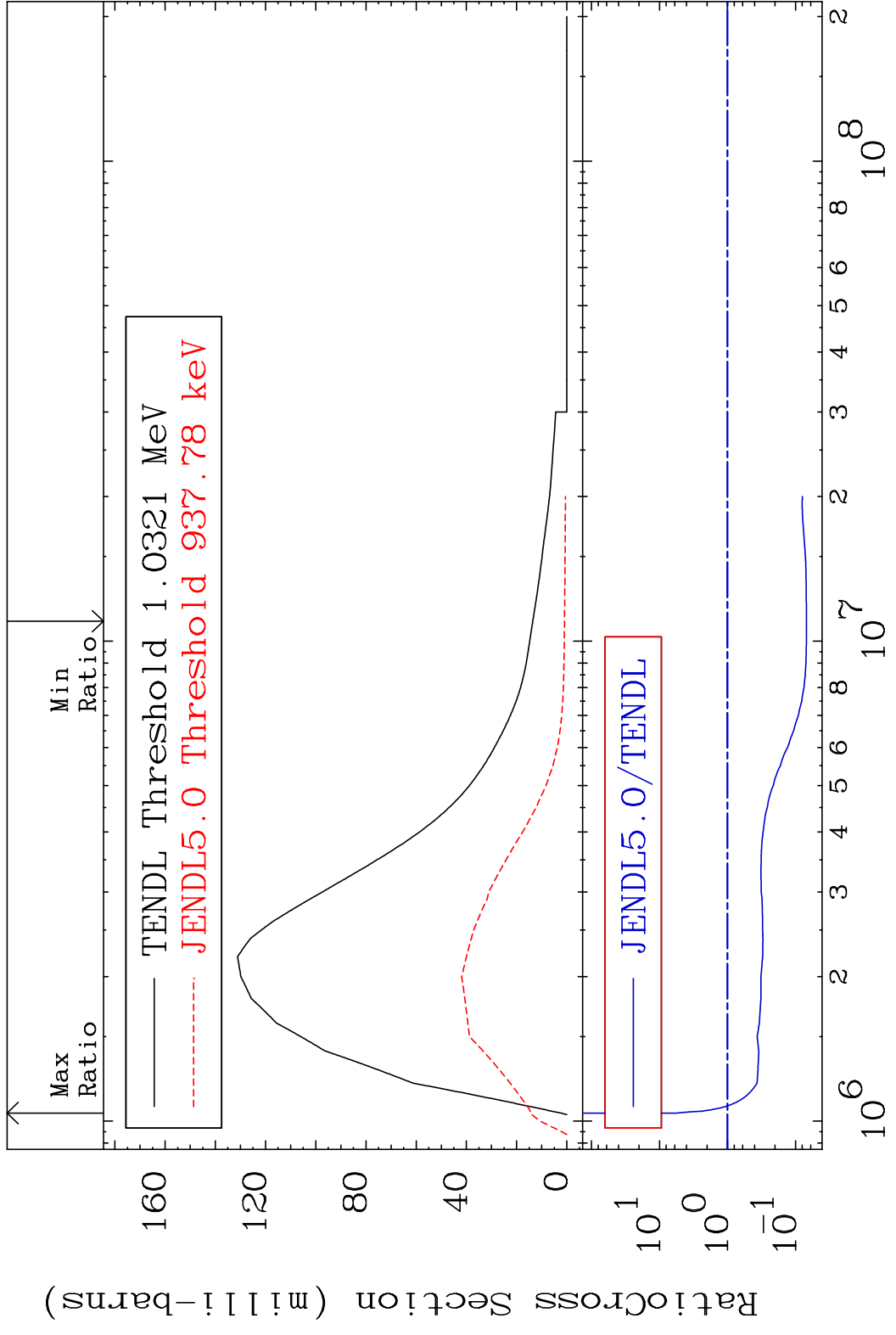
17 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 59 (n, n') Level 80-Hg-203
 Cross Section -17.22 To 9999. %



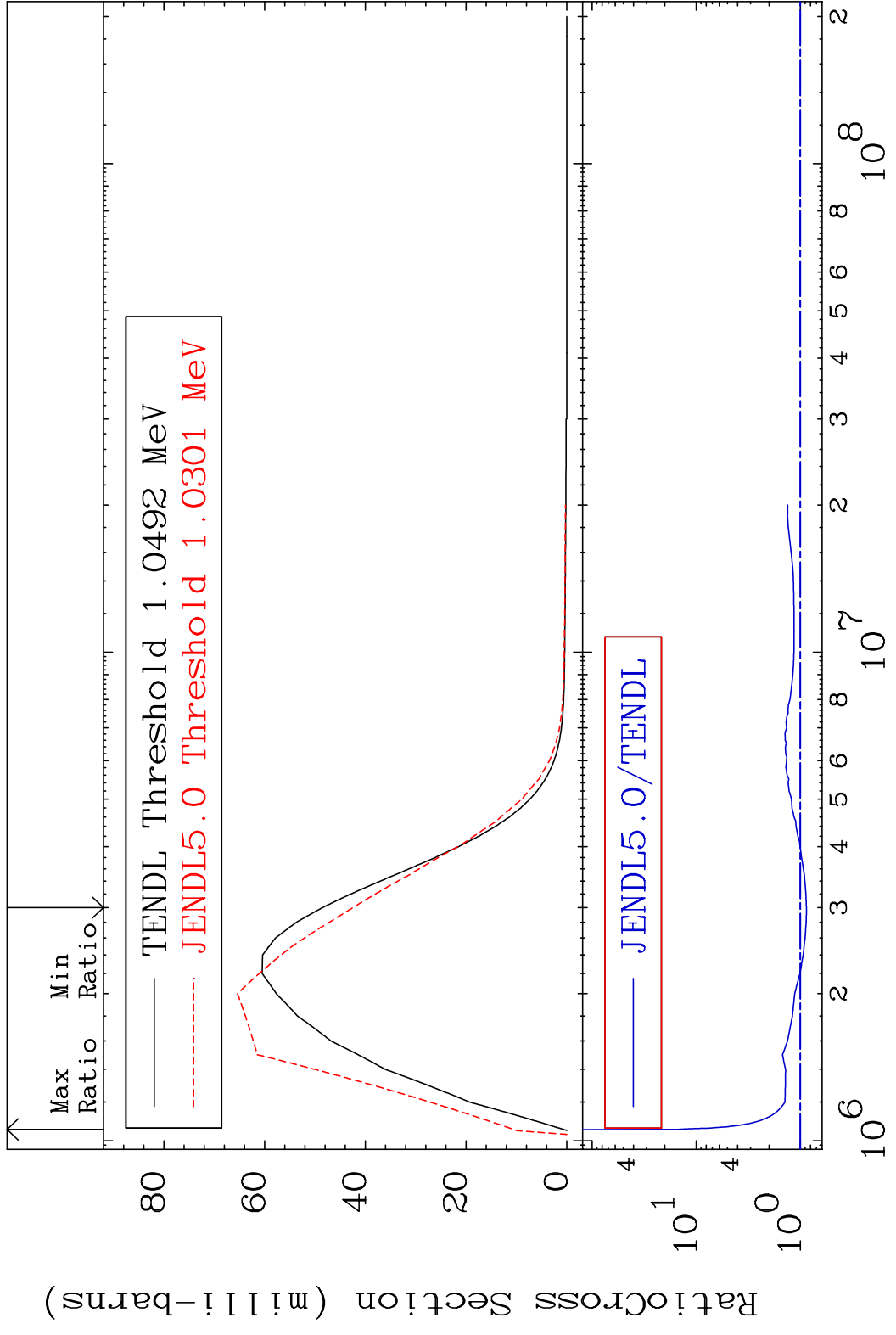
18 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 60 (n, n') Level 80-Hg-203
 Cross Section -93.07 To 450.3 %



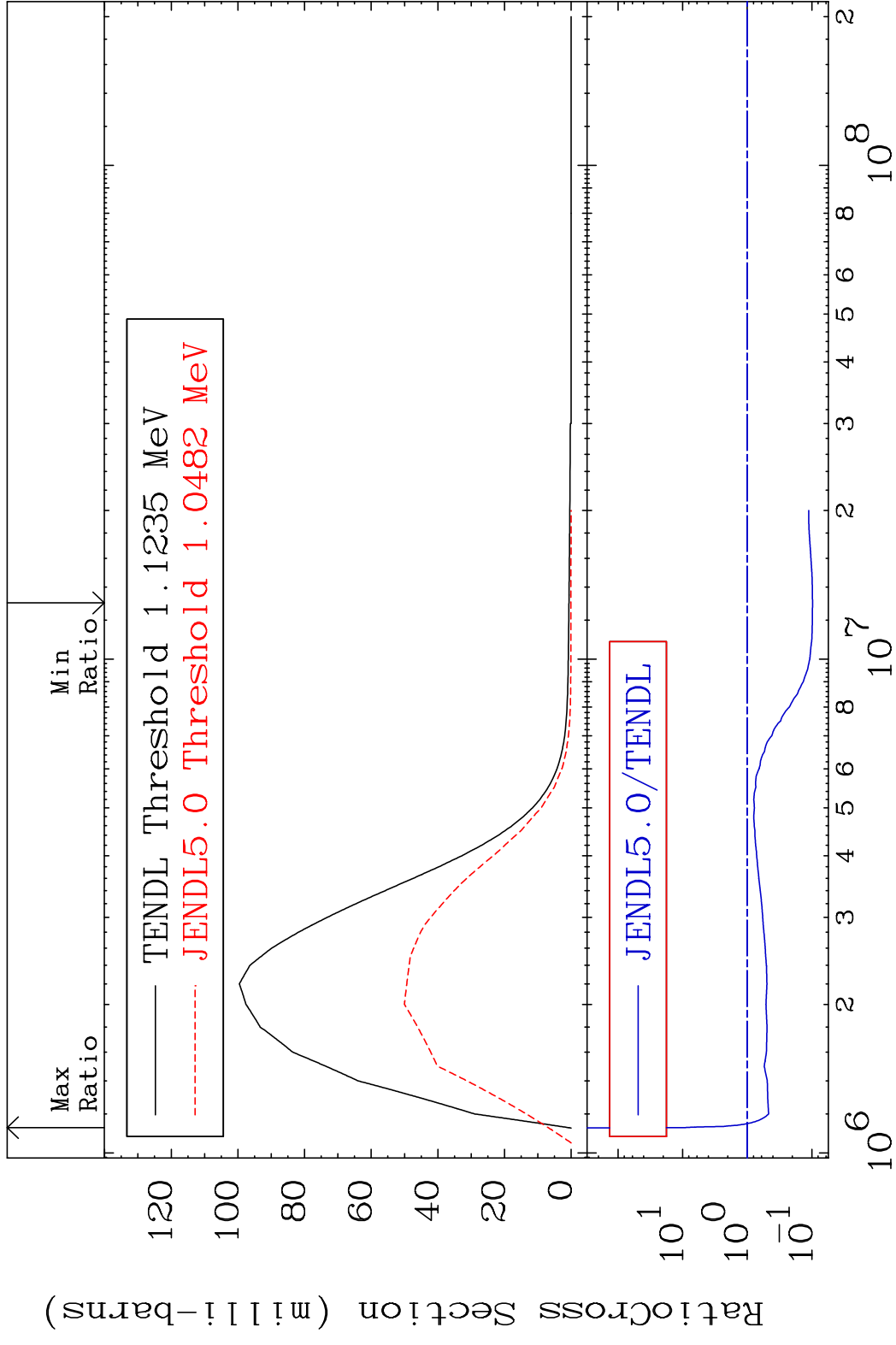
19 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 61 (n, n') Level 80-Hg-203
 Cross Section -12.49 To 1422. %



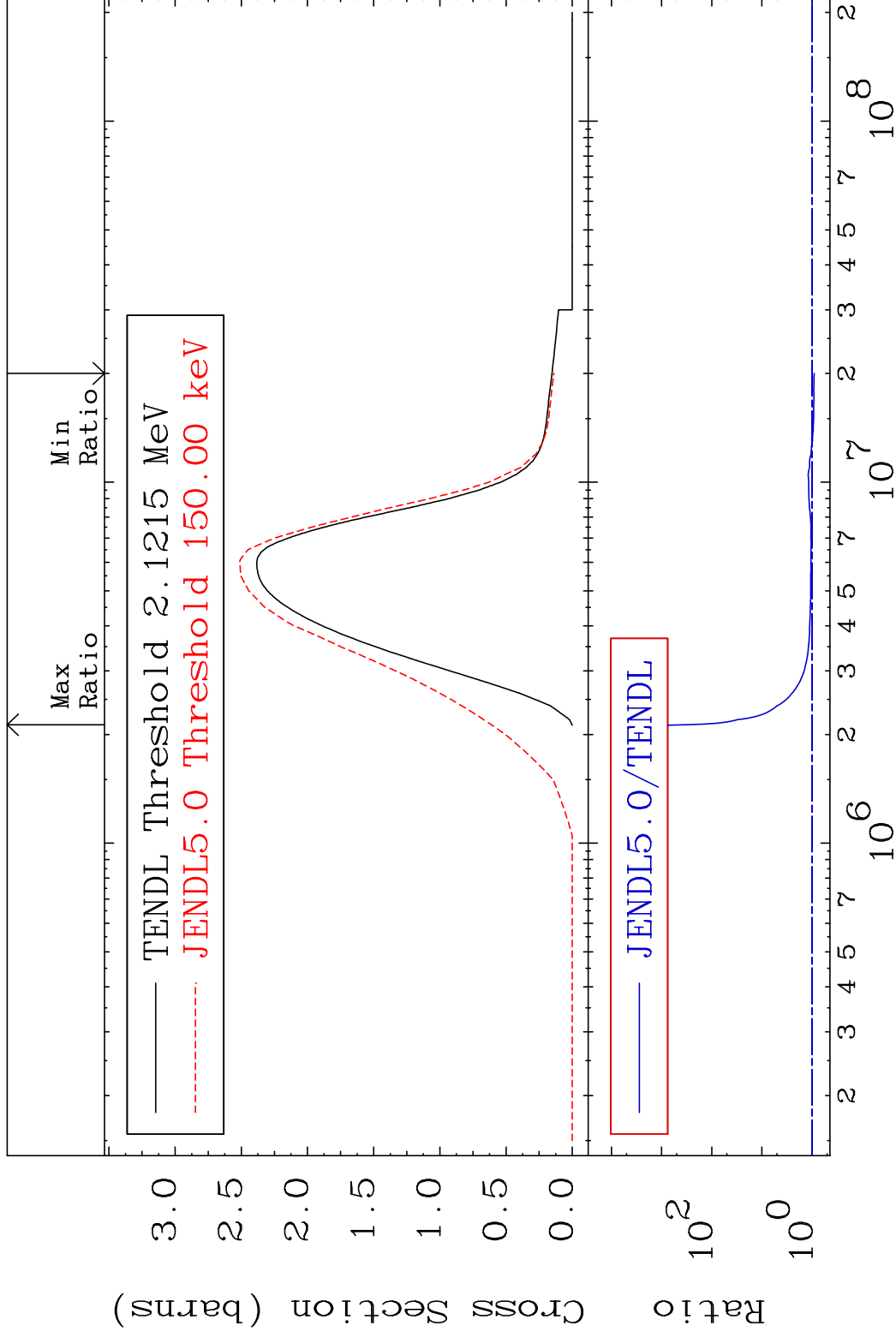
20 Incident Energy (eV) 80-Hg-203

MAT 8046 MT= 62 (n, n') Level 80-Hg-203
 Cross Section -90.26 To 909.7 %



MAT 8046

(n, n') Continuum 80-Hg-203
Cross Section -9.191 To 9999. %



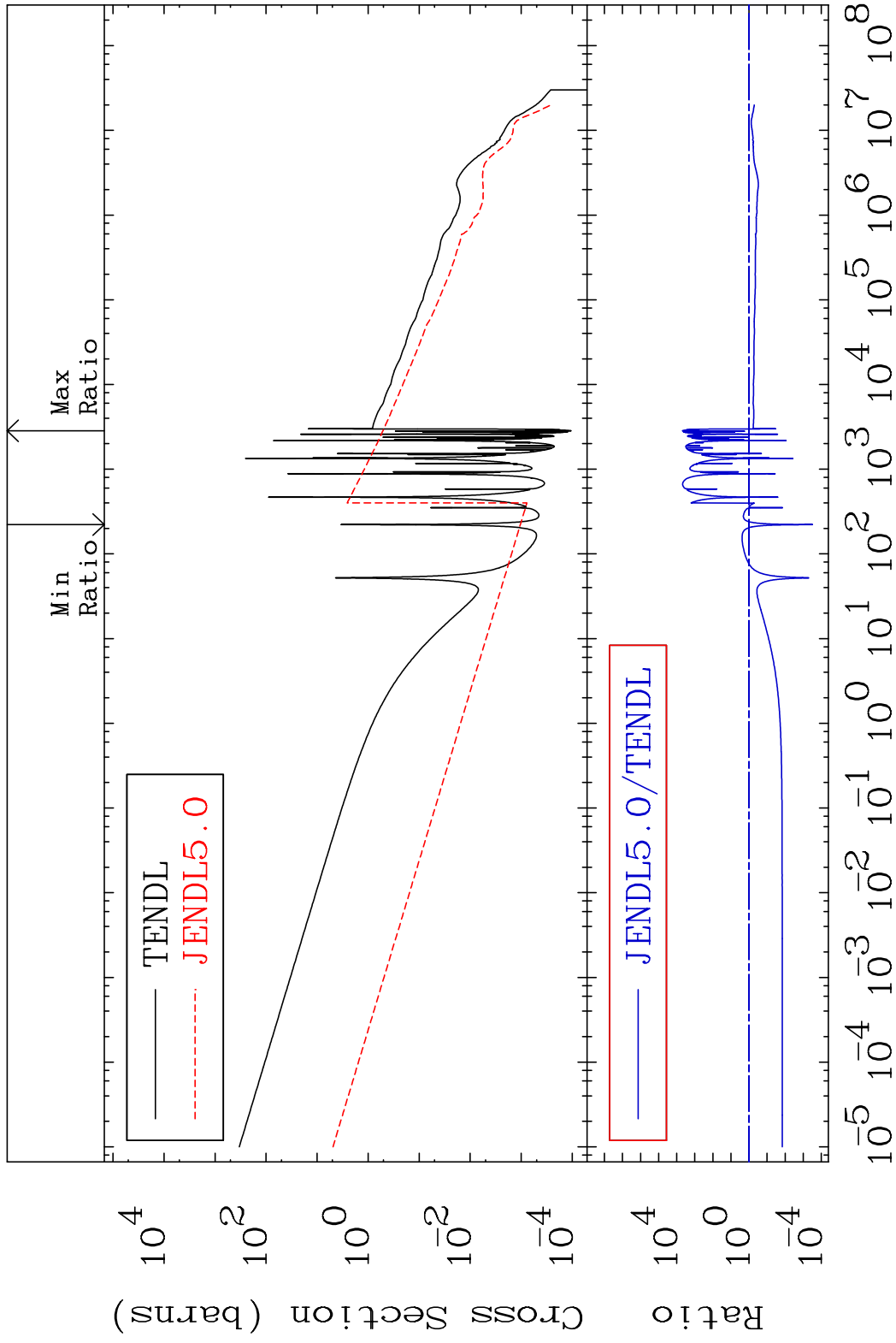
22

Incident Energy (eV)

80-Hg-203

MAT 8046

(n, γ)
Cross Section -99.97 To 9999. %
80-Hg-203



23

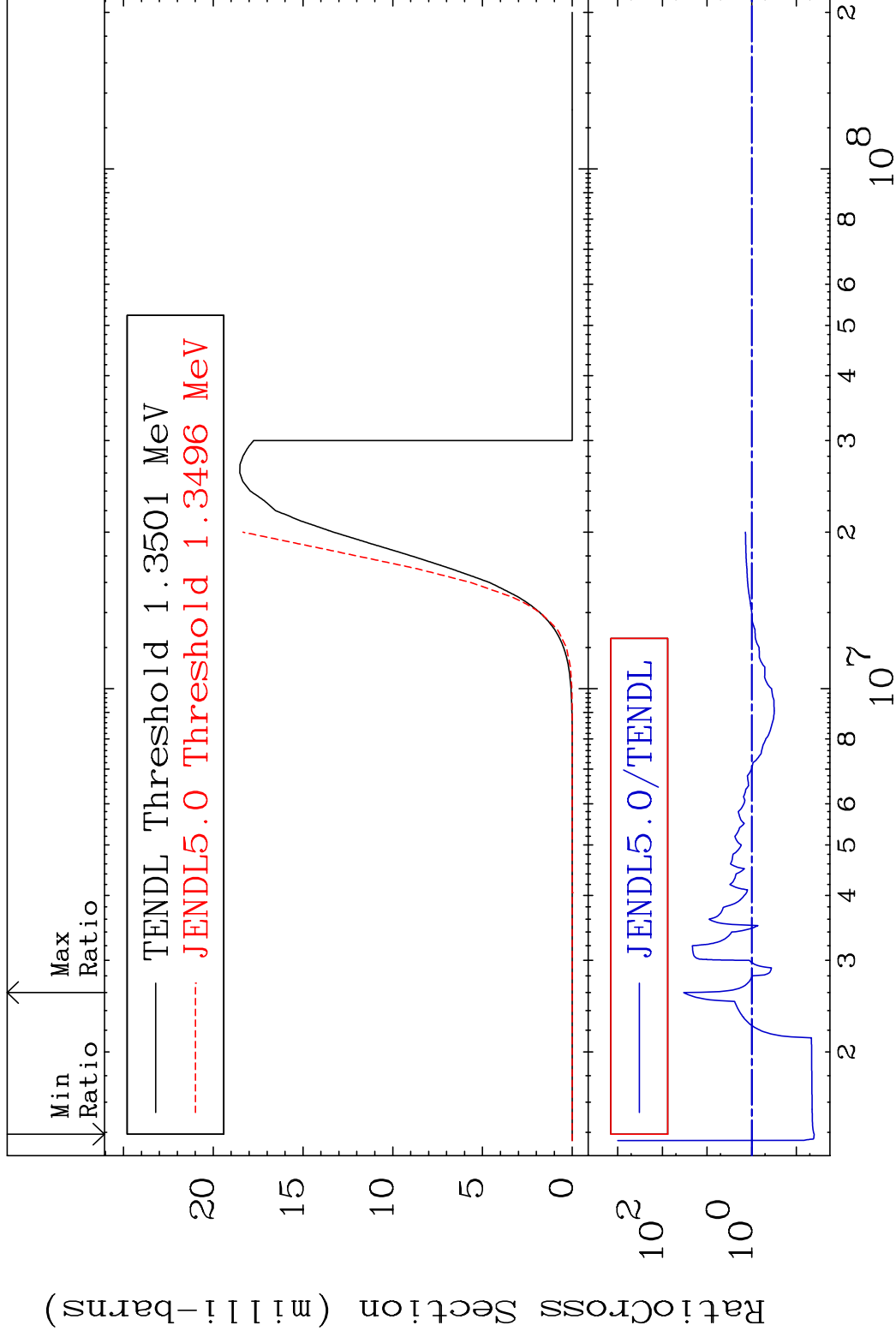
Incident Energy (eV) 80-Hg-203

MAT 8046

(n,p)

80-Hg-203

Cross Section -96.00 To 3241. %

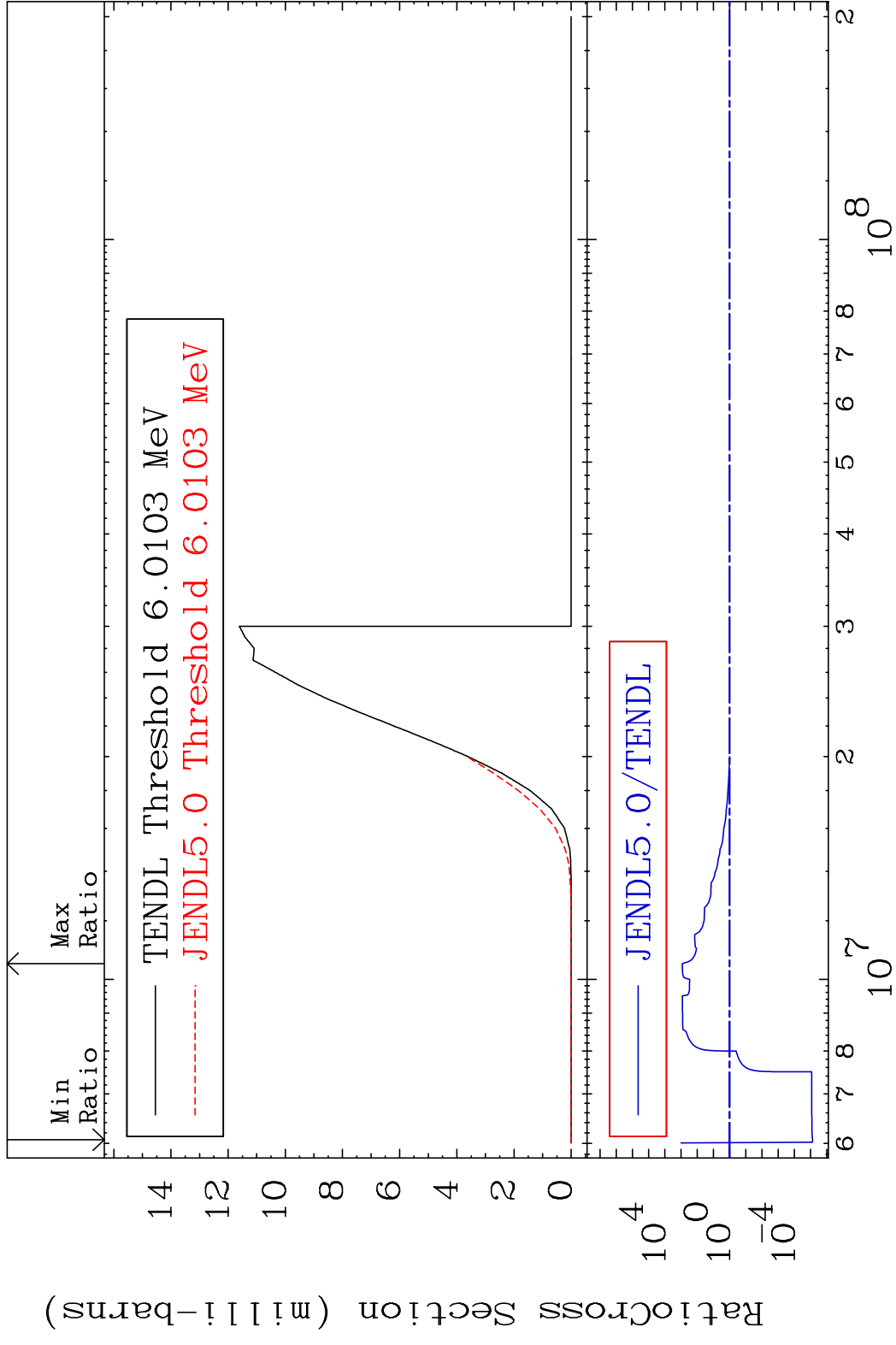


24

Incident Energy (eV)

80-Hg-203

MAT 8046 (n,d) 80-Hg-203
 Cross Section -100.0 To 9999. %

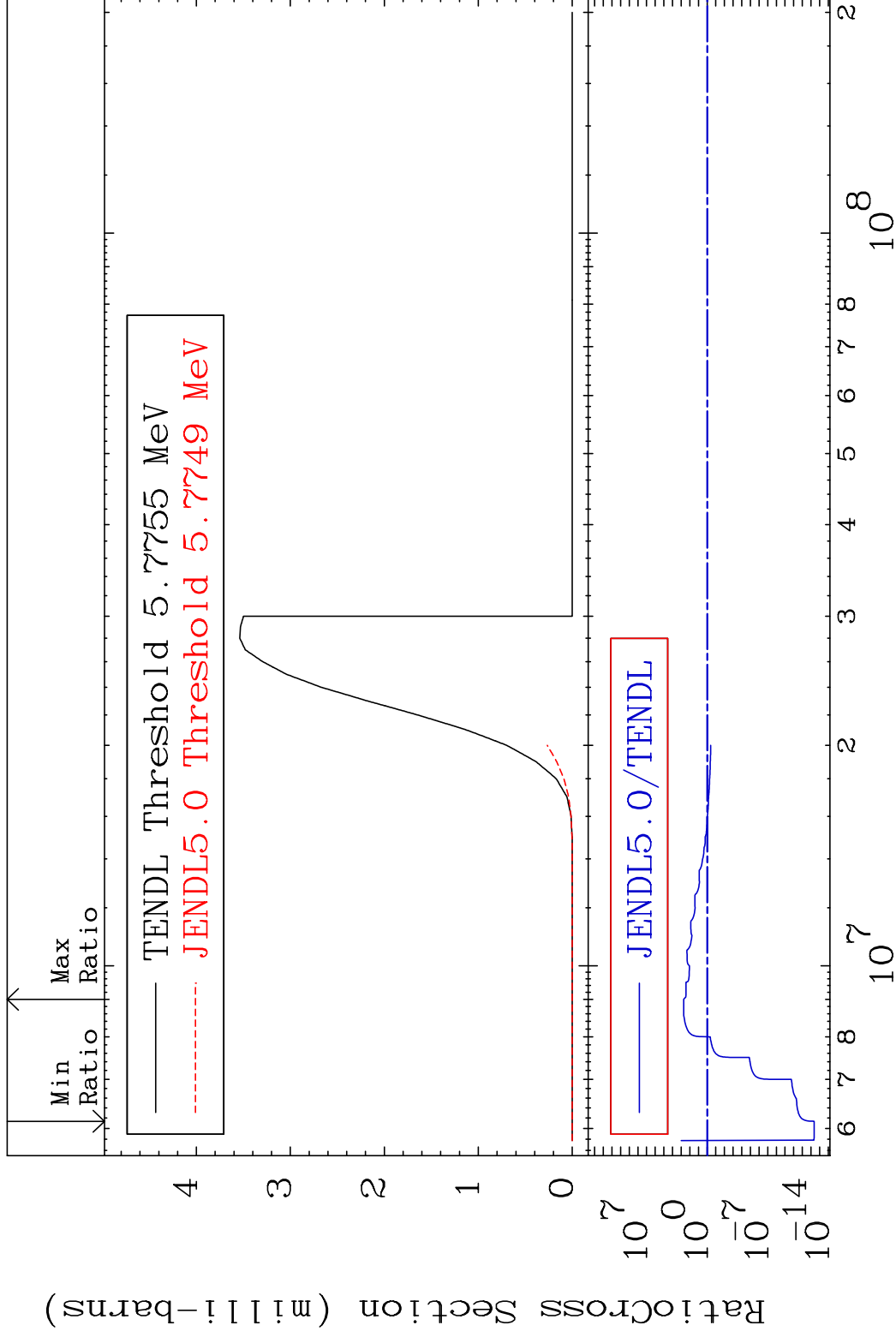


MAT 8046

(n, t)

80-Hg-203

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

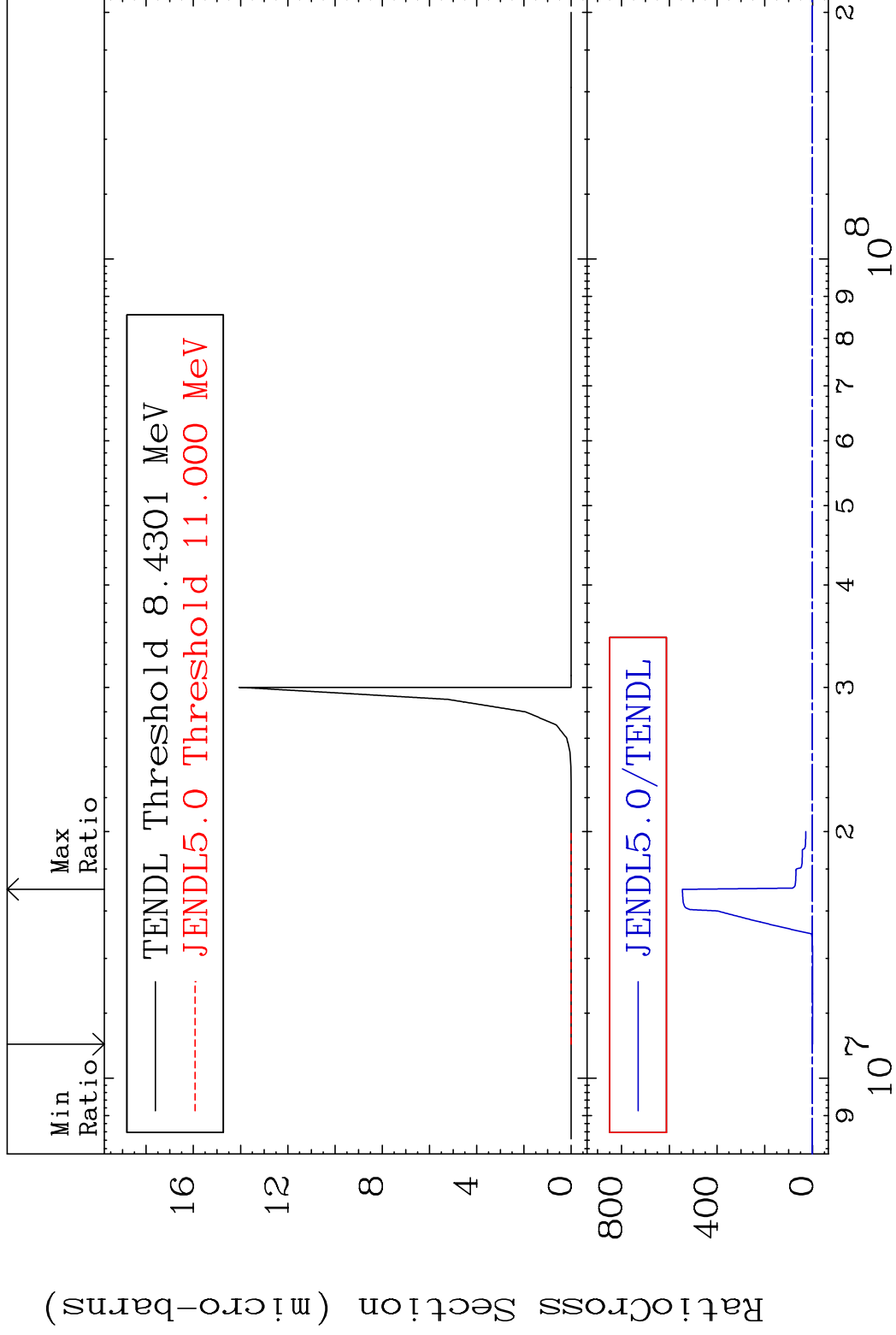
80-Hg-203

MAT 8046

(n, He-3)

80-Hg-203

Cross Section -100.0 To 9999. %



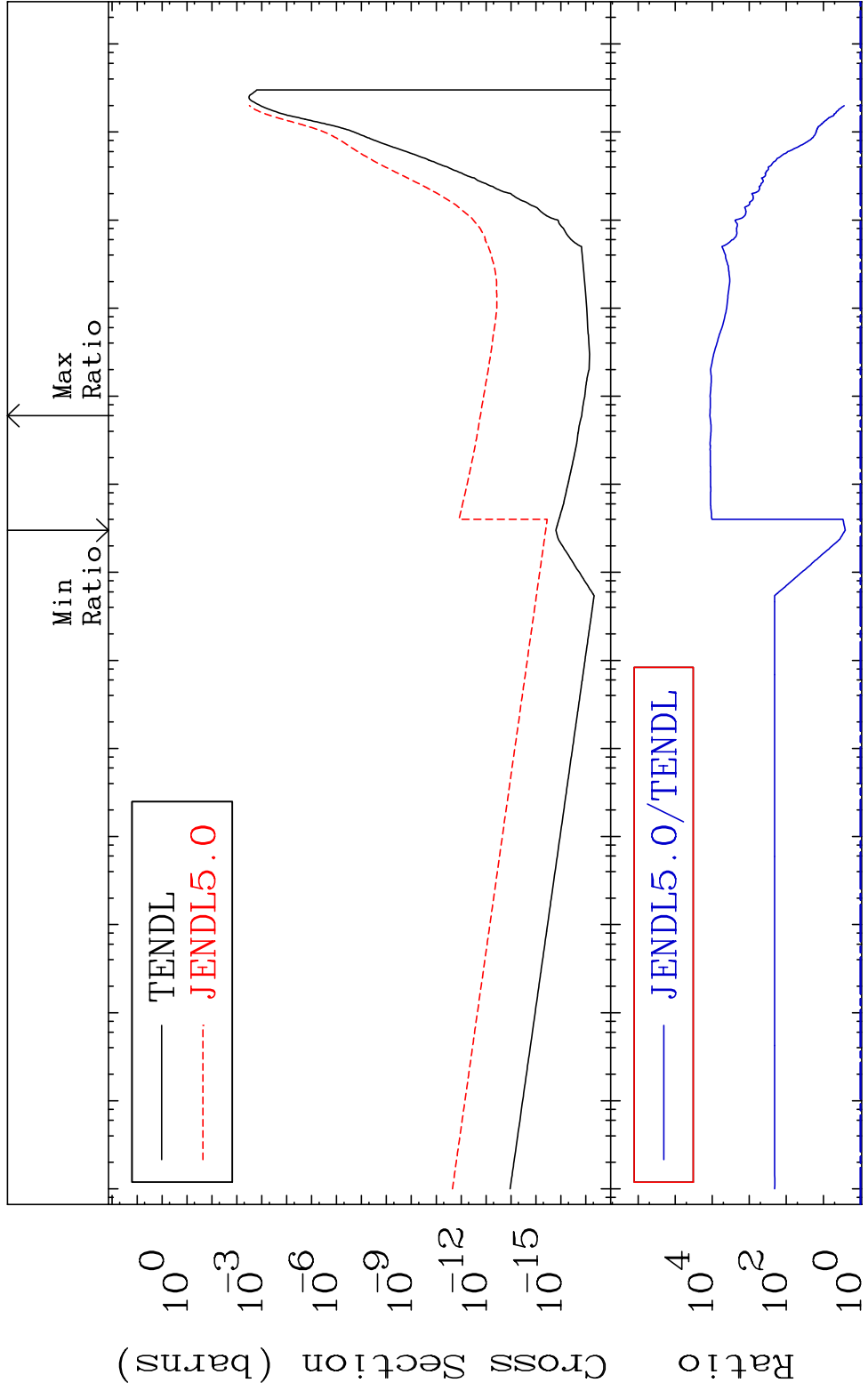
27

Incident Energy (eV)

80-Hg-203

MAT 8046

(n, α)
Cross Section 156.5 To 9999. %
80-Hg-203

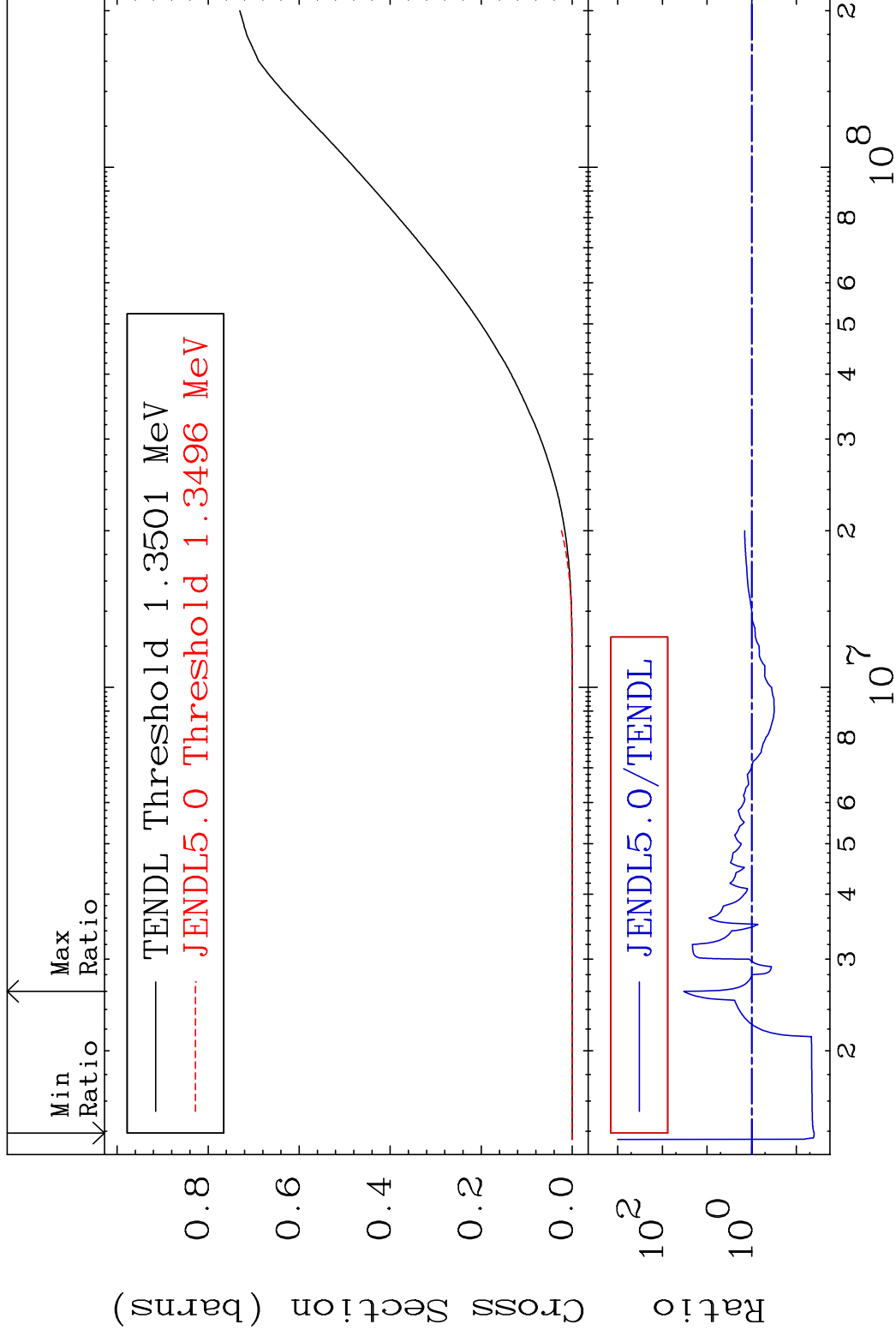


MAT 8046

Hydrogen Production

80-Hg-203

Cross Section -96.00 To 3241. %

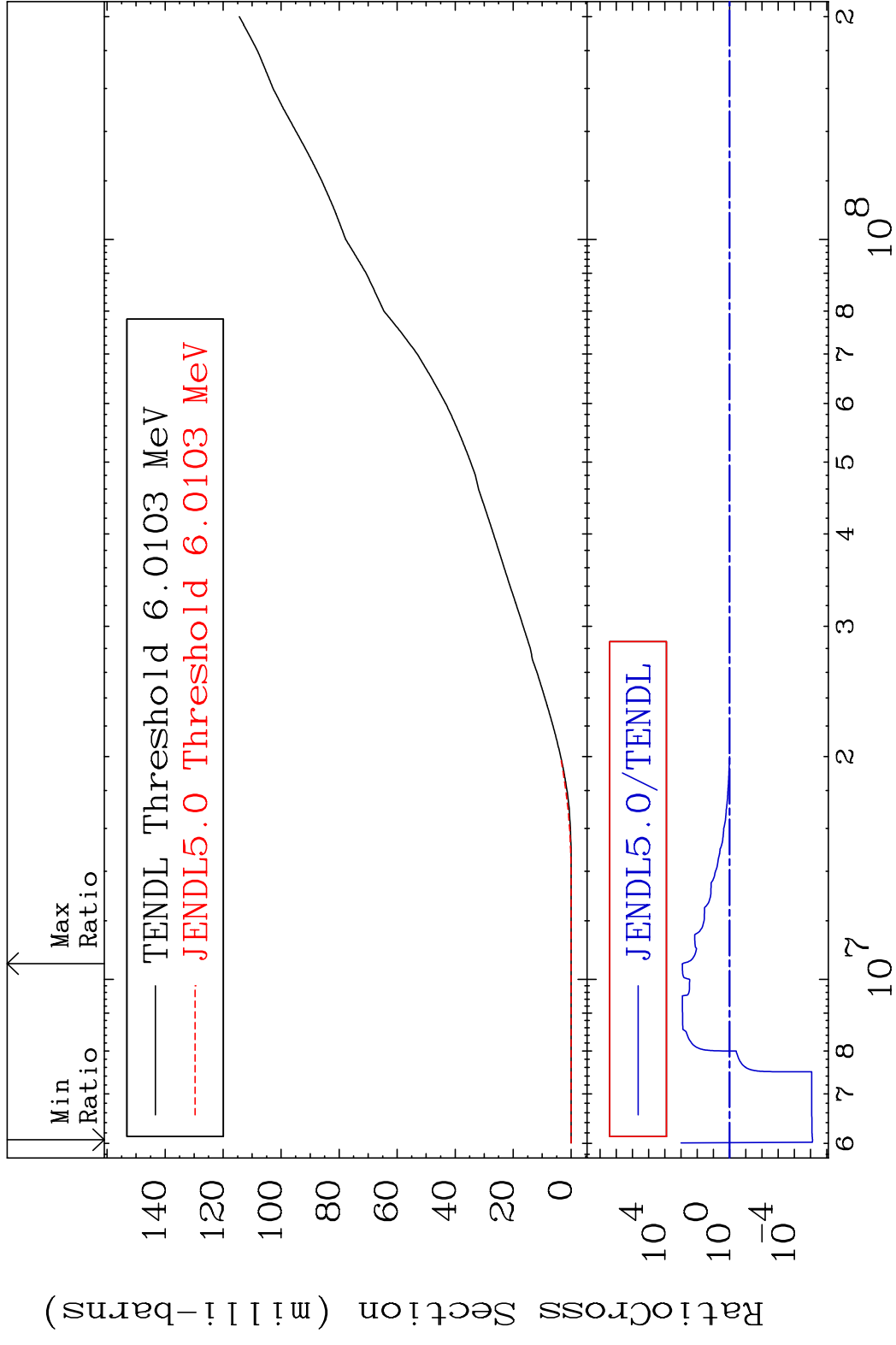


29

Incident Energy (eV)

80-Hg-203

MAT 8046 Deuterium Production 80-Hg-203
 Cross Section -100.0 To 9999. %



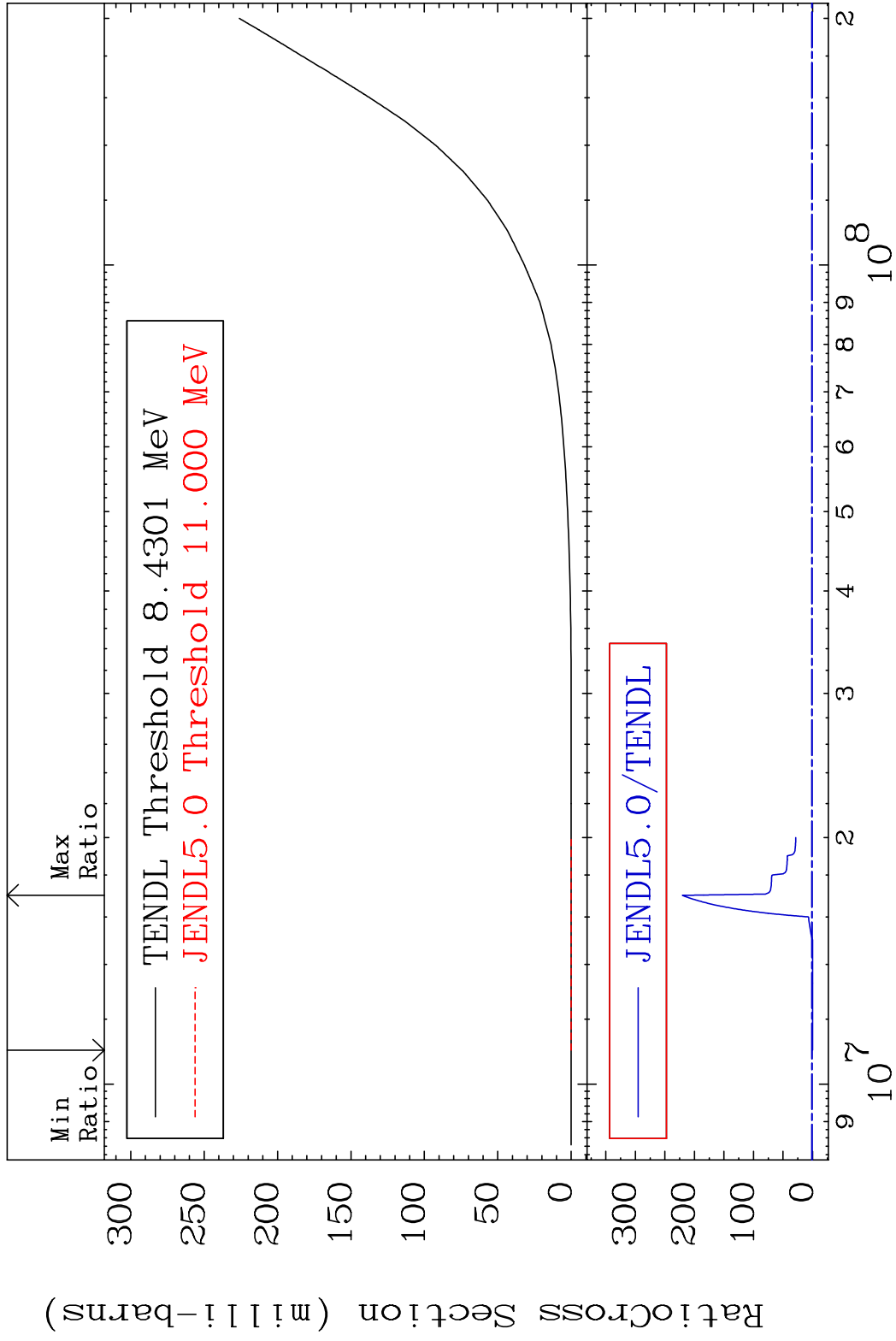
30 Incident Energy (eV) 80-Hg-203

MAT 8046

He-3 Production

80-Hg-203

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

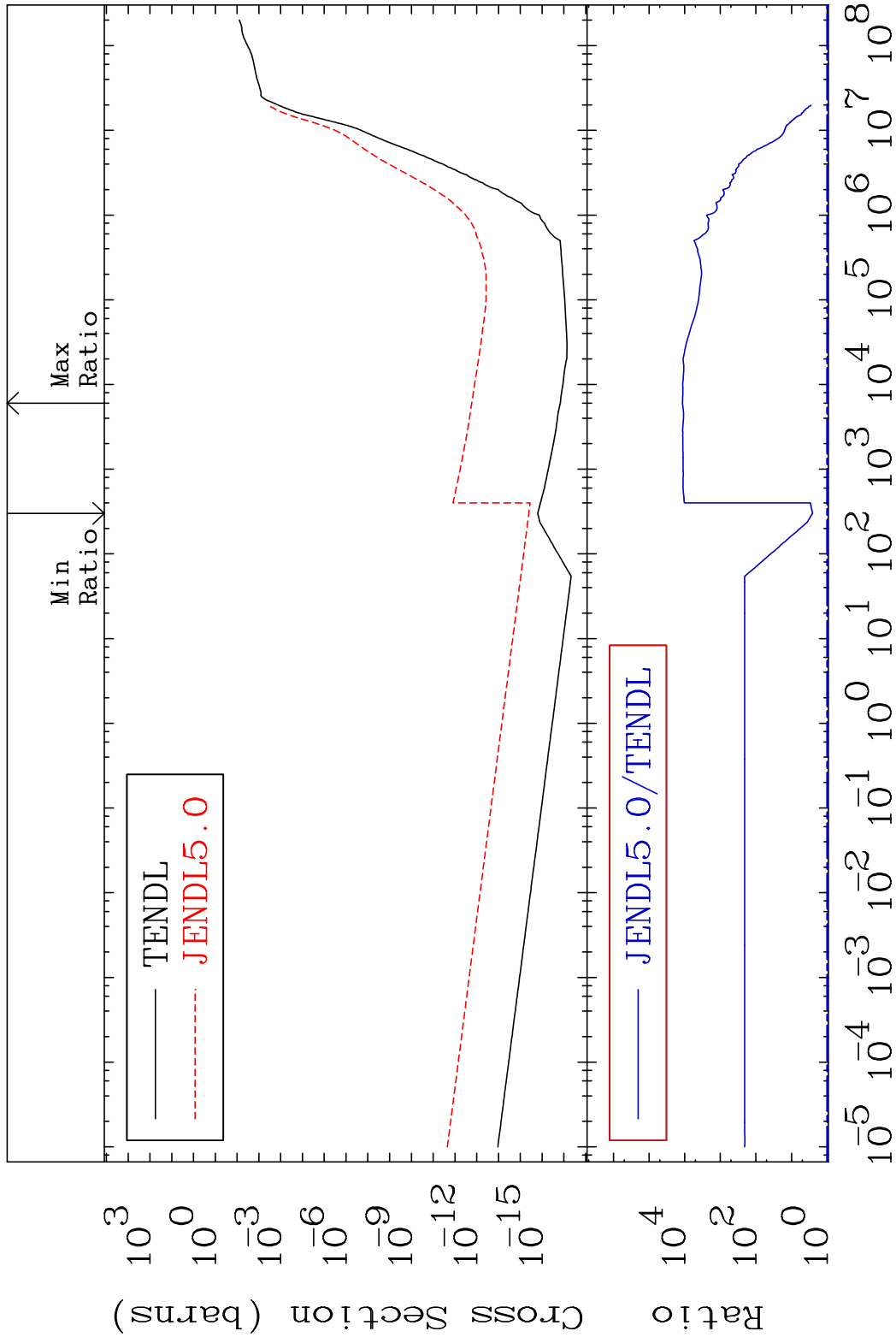
80-Hg-203

MAT 8046

He-4 Production

80-Hg-203

Cross Section 156.5 To 9999. %

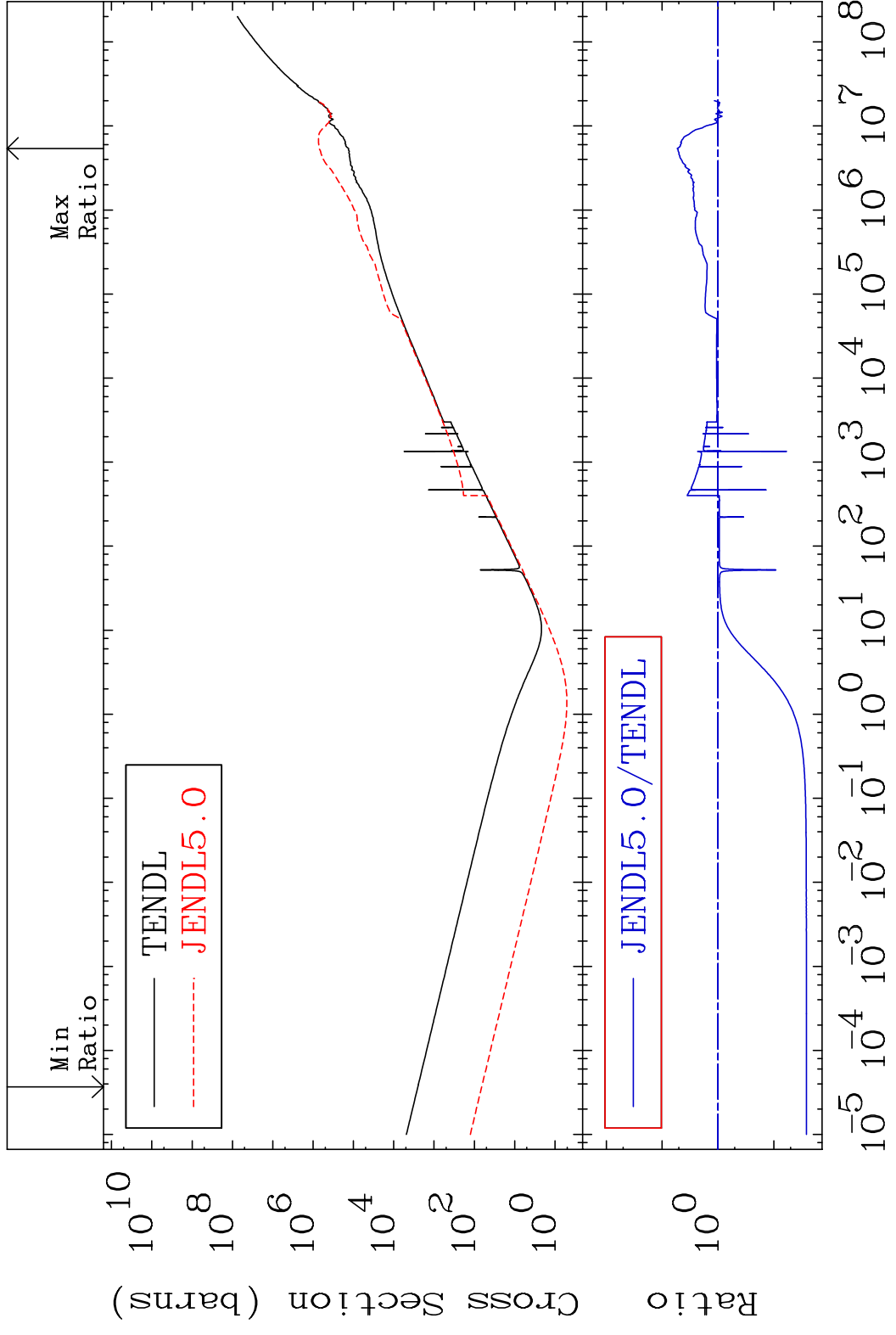


33

Incident Energy (eV)

80-Hg-203

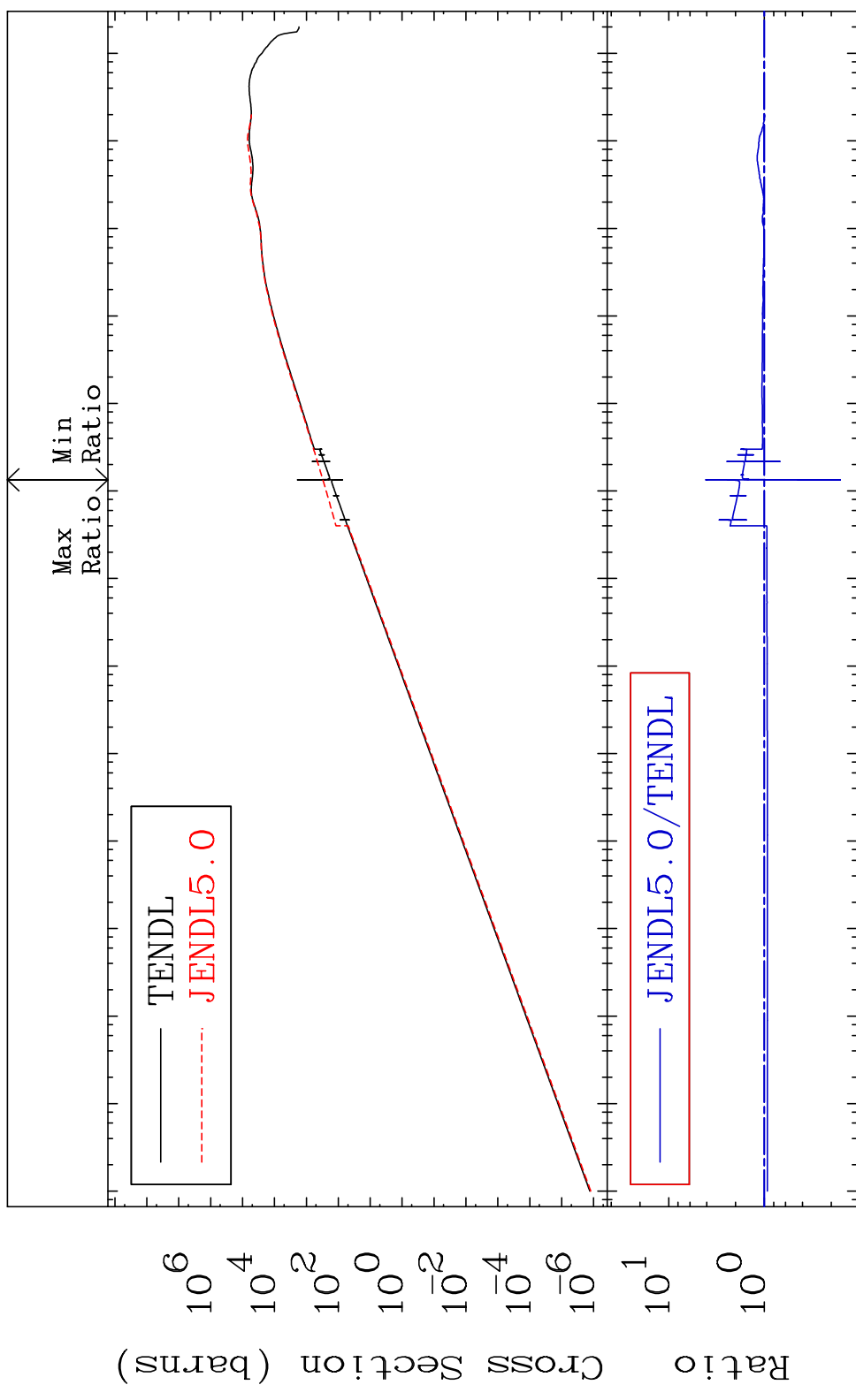
MAT 8046 Kerma total (eV-barns) 80-Hg-203
 Cross Section -97.40 To 436.8 %



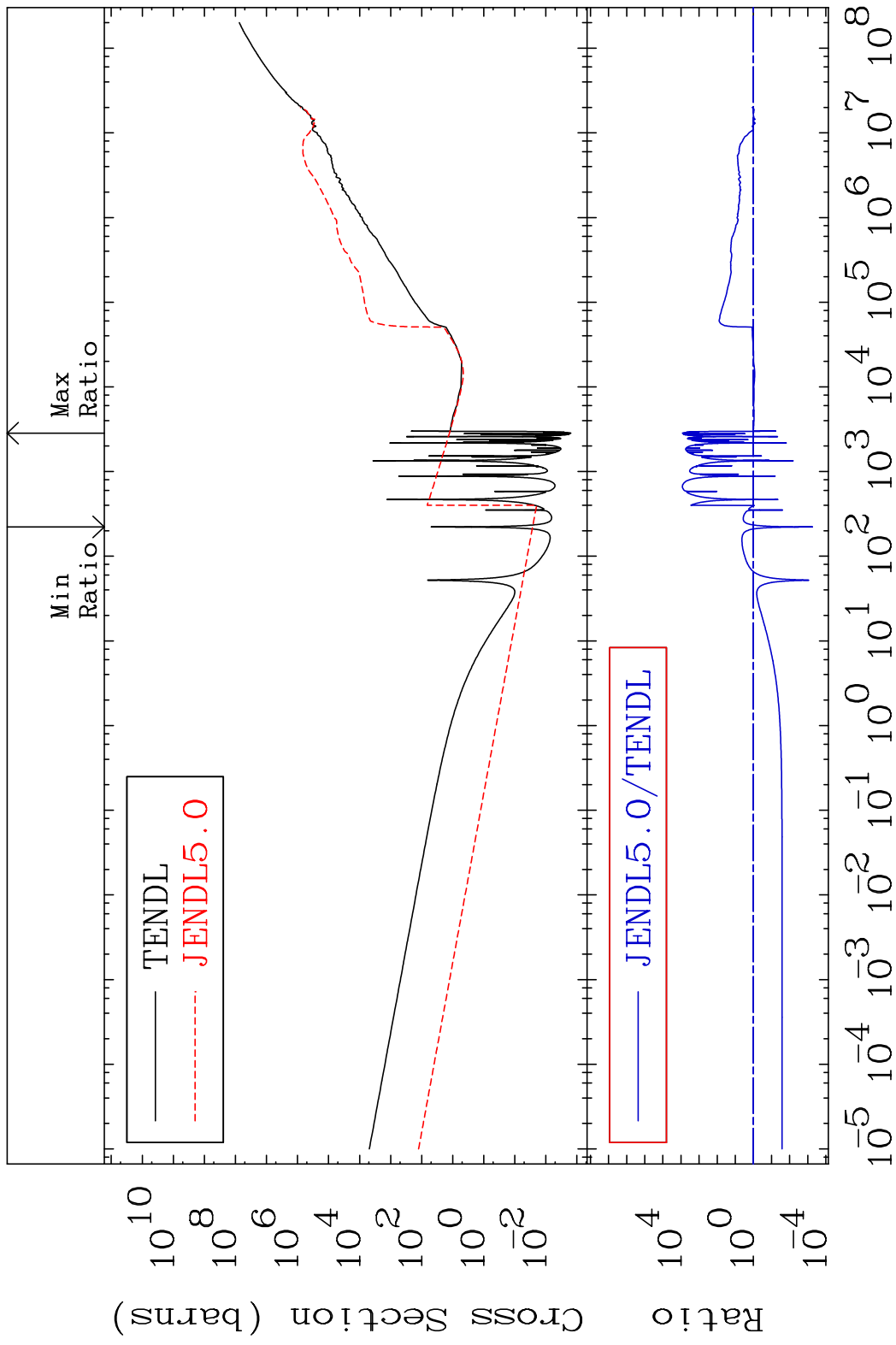
MAT 8046

Kerma elastic Cross Section -83.98 To 310.6 %

80-Hg-203

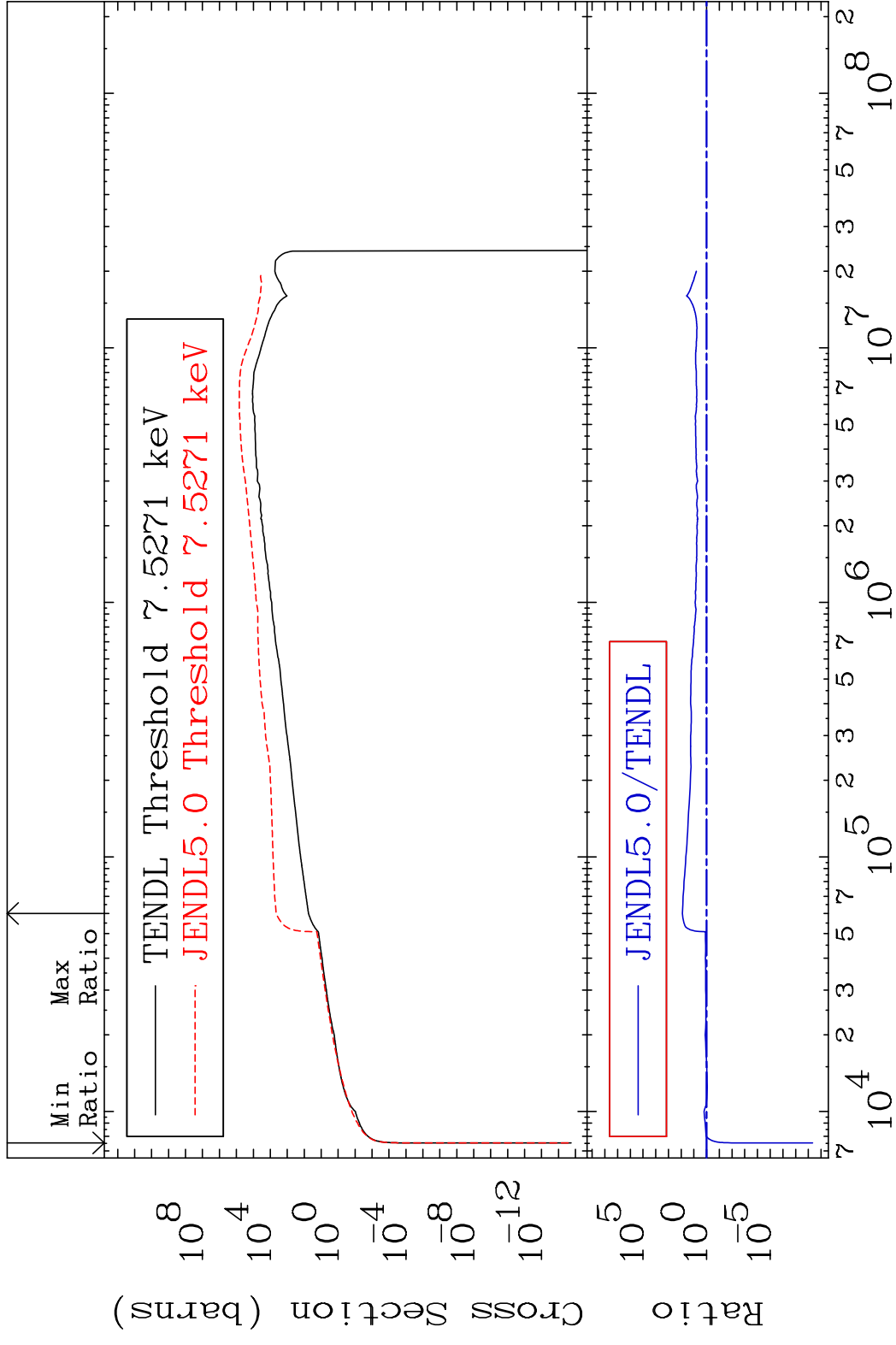


MAT 8046 Kerma non-elastic (all but mt2) 80-Hg-203
 Cross Section -99.95 To 9999. %

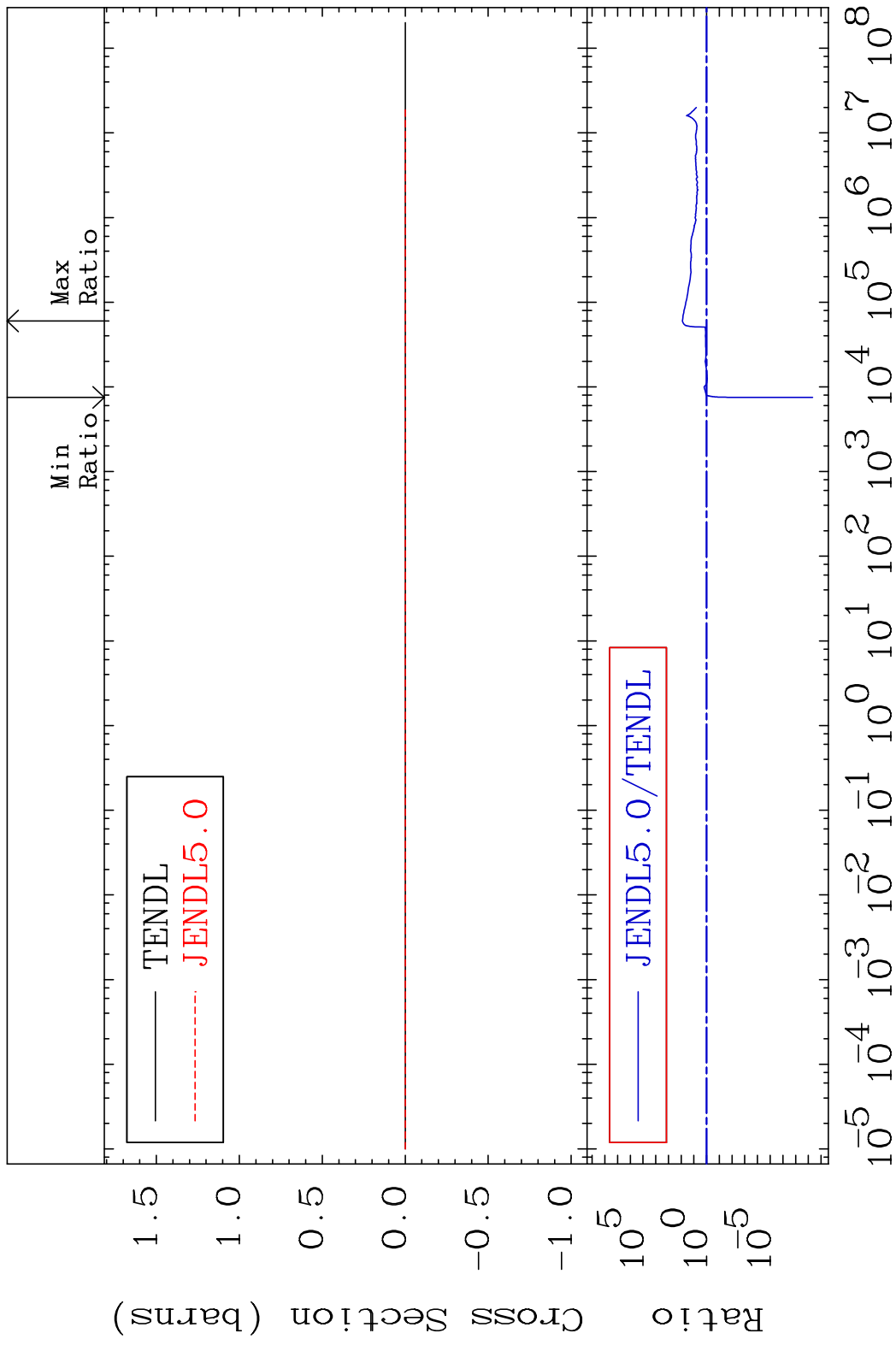


36 Incident Energy (eV) 80-Hg-203

MAT 8046 Kerma inelastic (mt51-91) 80-Hg-203
 Cross Section -100.0 To 7977. %



MAT 8046 Kerma fission (mt18 or mt19-20-21-38)80-Hg-203
 Cross Section -100.0 To 7977. %

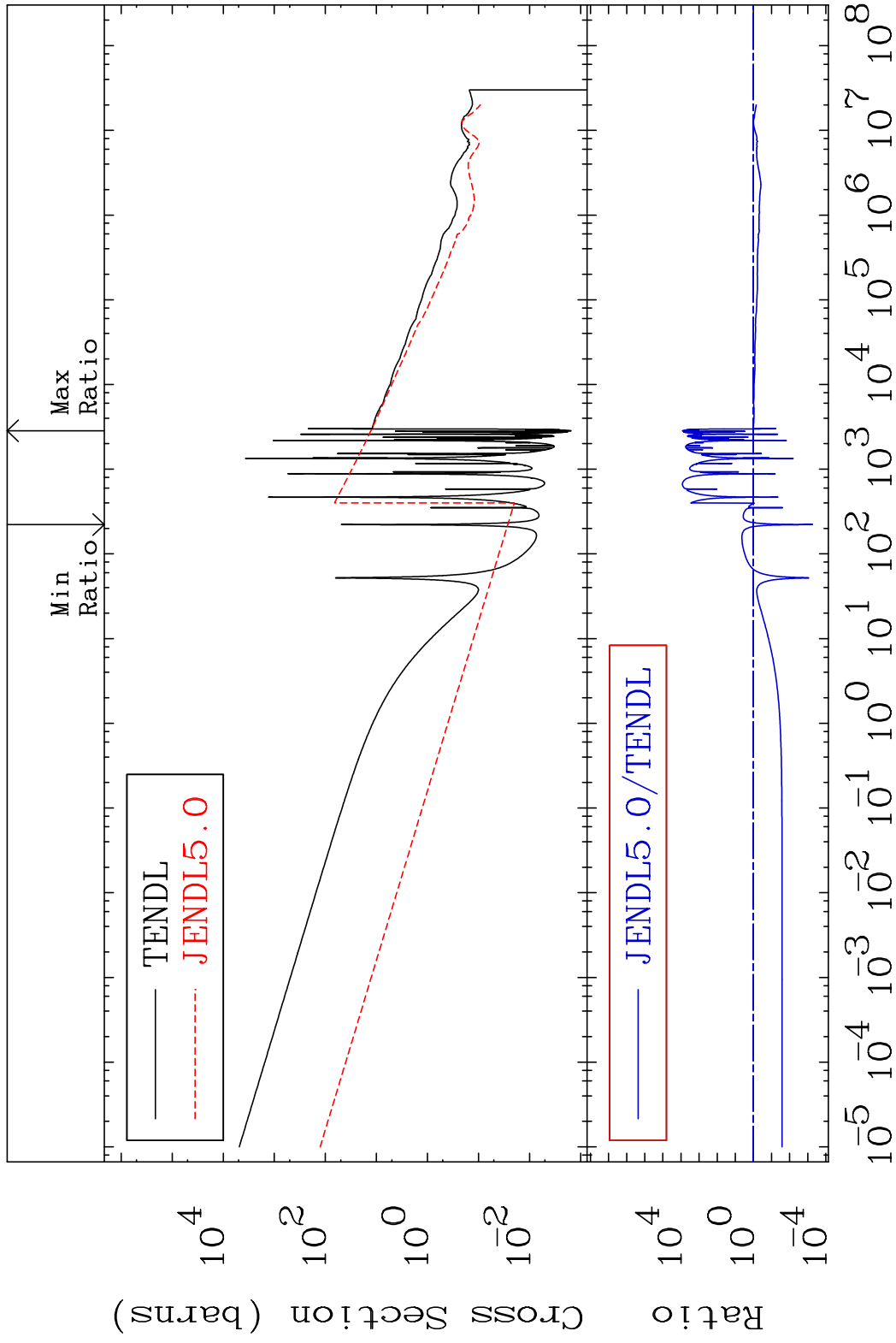


MAT 8046

Kerma capture (mt102)

80-Hg-203

Cross Section -99.95 To 9999. %

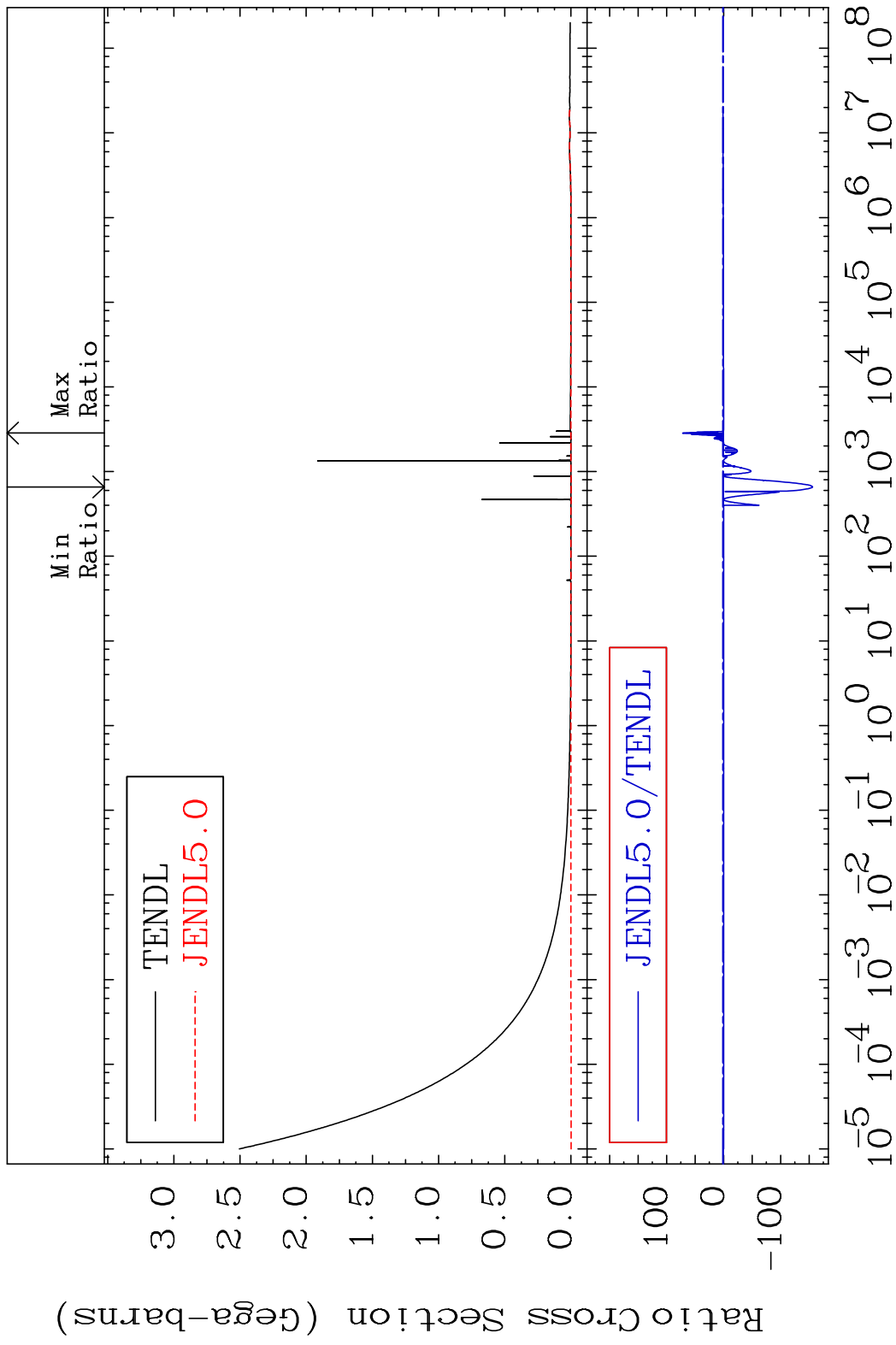


39

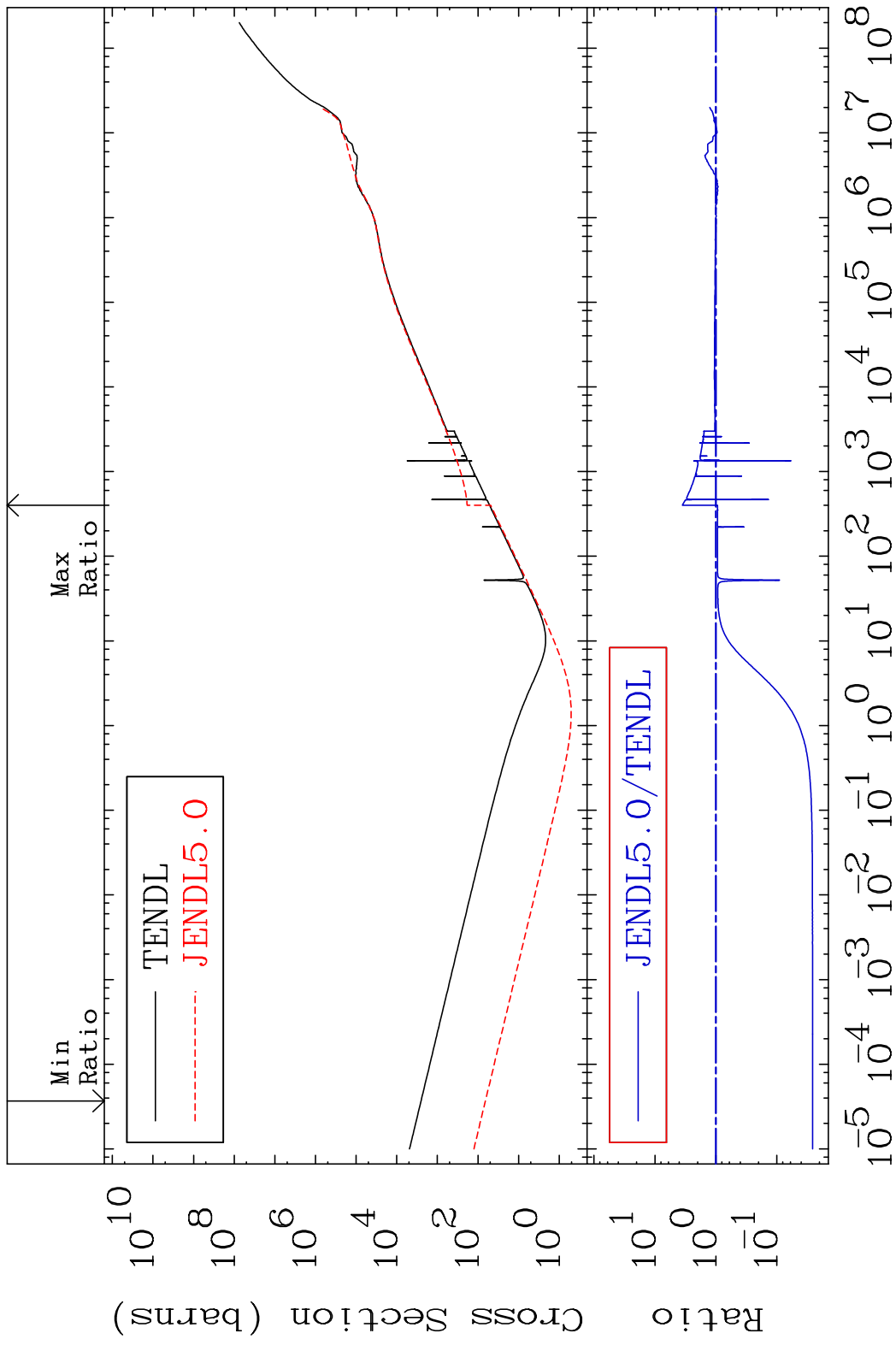
Incident Energy (eV)

80-Hg-203

MAT 8046 Total photon (eV-barns) 80-Hg-203
Cross Section -9999. To 7133. %

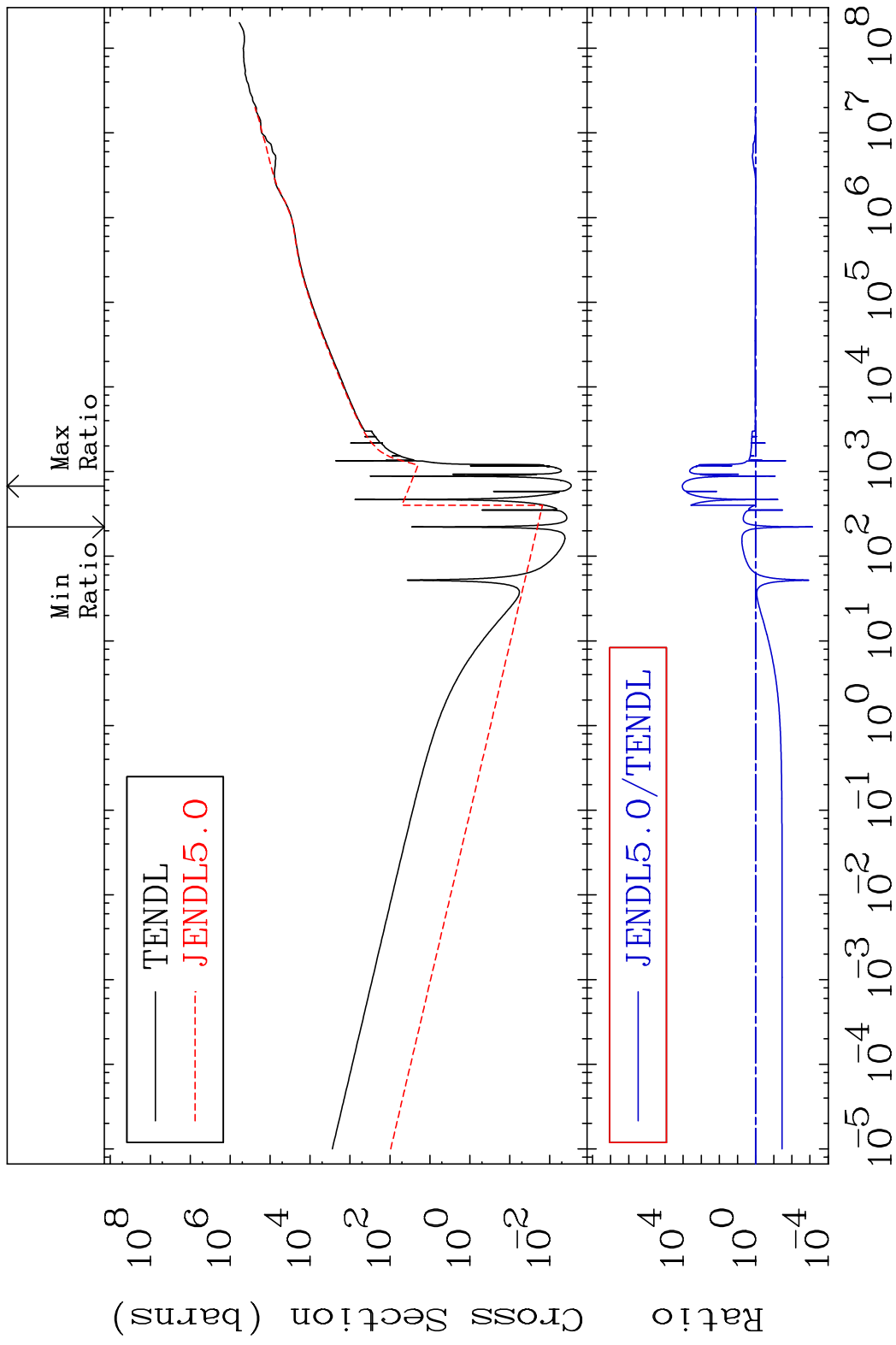


MAT 8046 Total kinematic kerma (high limit) 80-Hg-203
 Cross Section -97.40 To 255.5 %



41 Incident Energy (eV) 80-Hg-203

MAT 8046 Dpa total (eV-barns) 80-Hg-203
 Cross Section -99.93 To 9999. %



42 Incident Energy (eV) 80-Hg-203

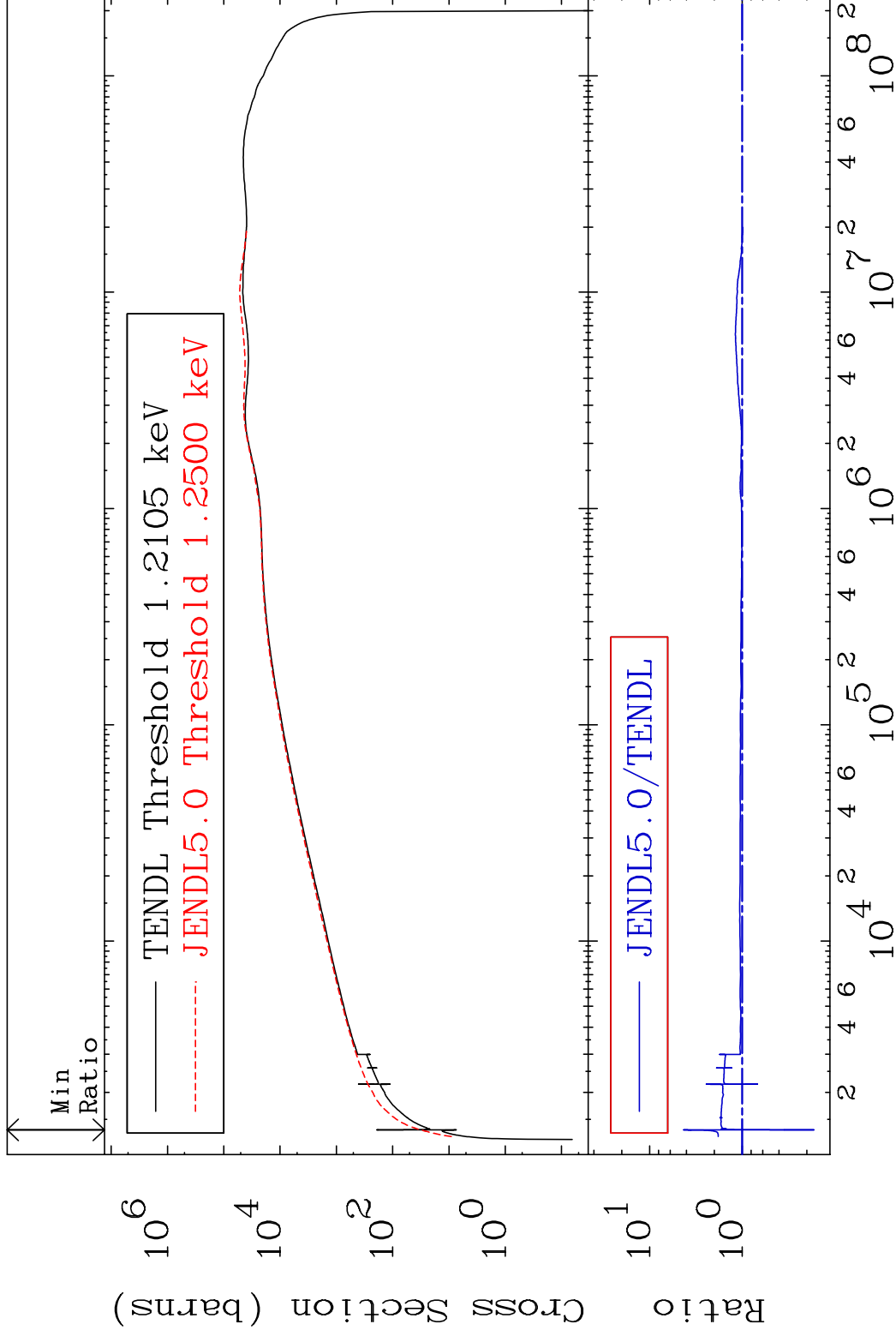
MAT 8046

Dpa elastic (mt2)

80-Hg-203

Cross Section

-83.30 To 329.5 %

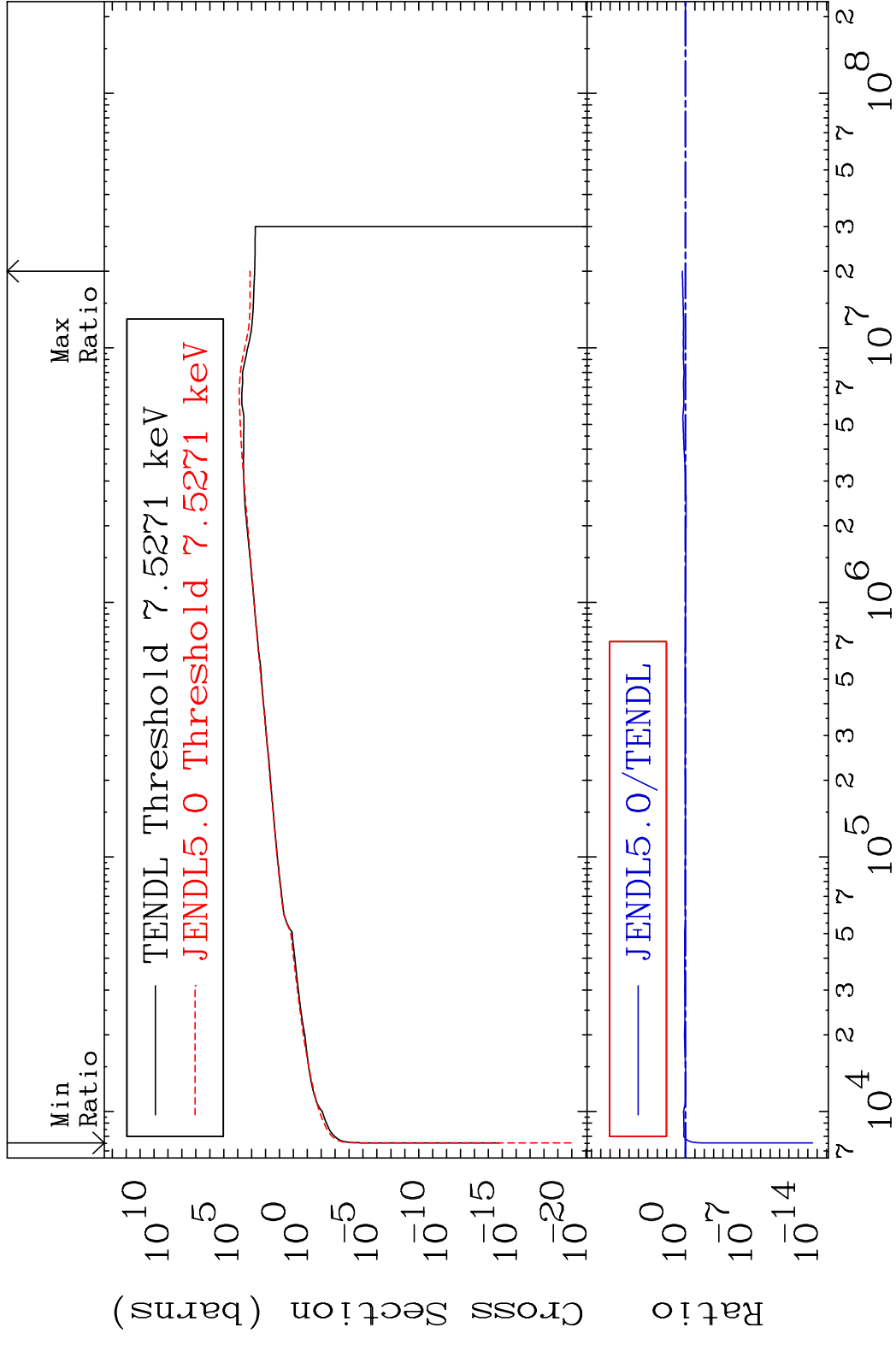


43

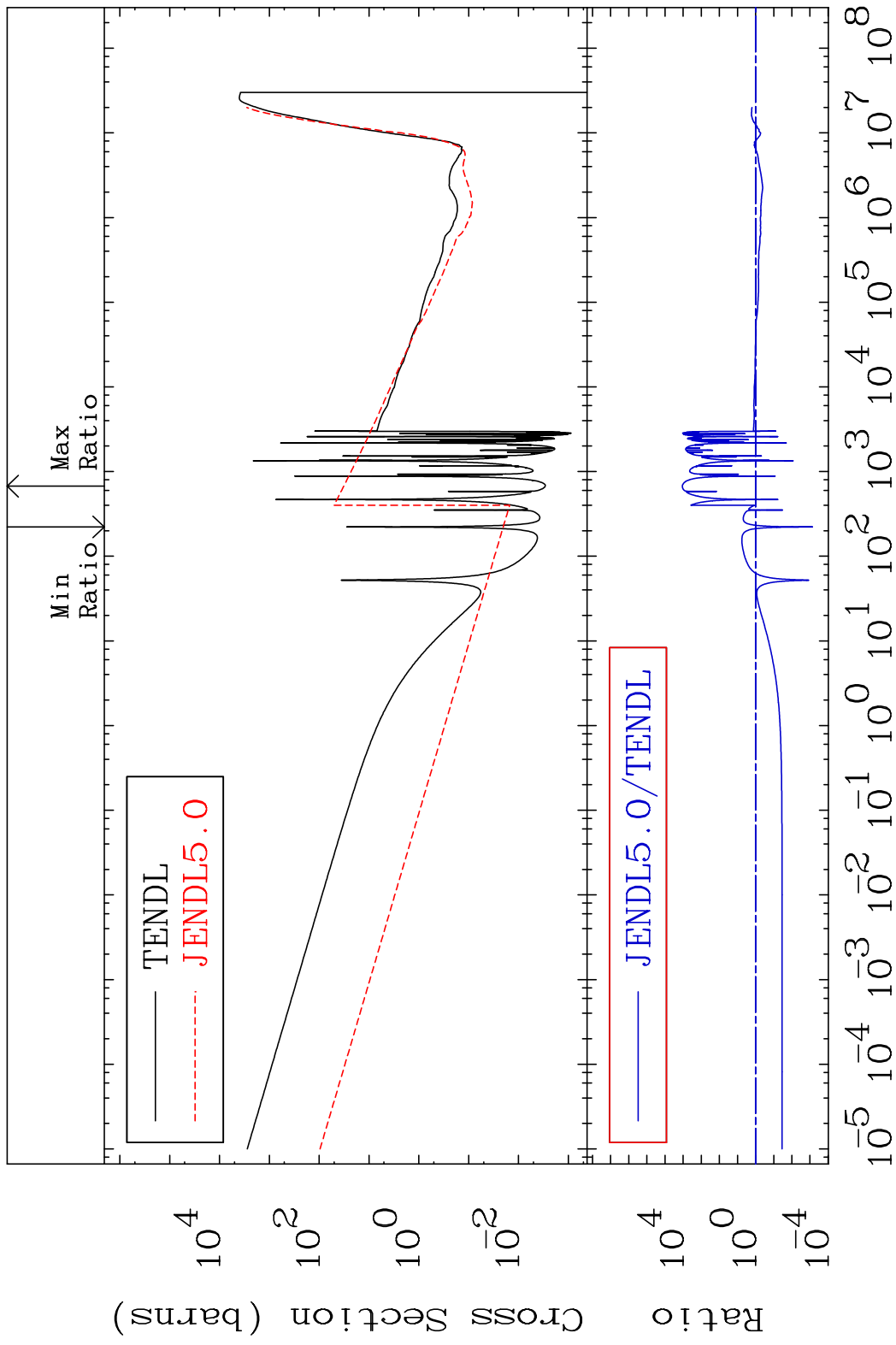
Incident Energy (eV)

80-Hg-203

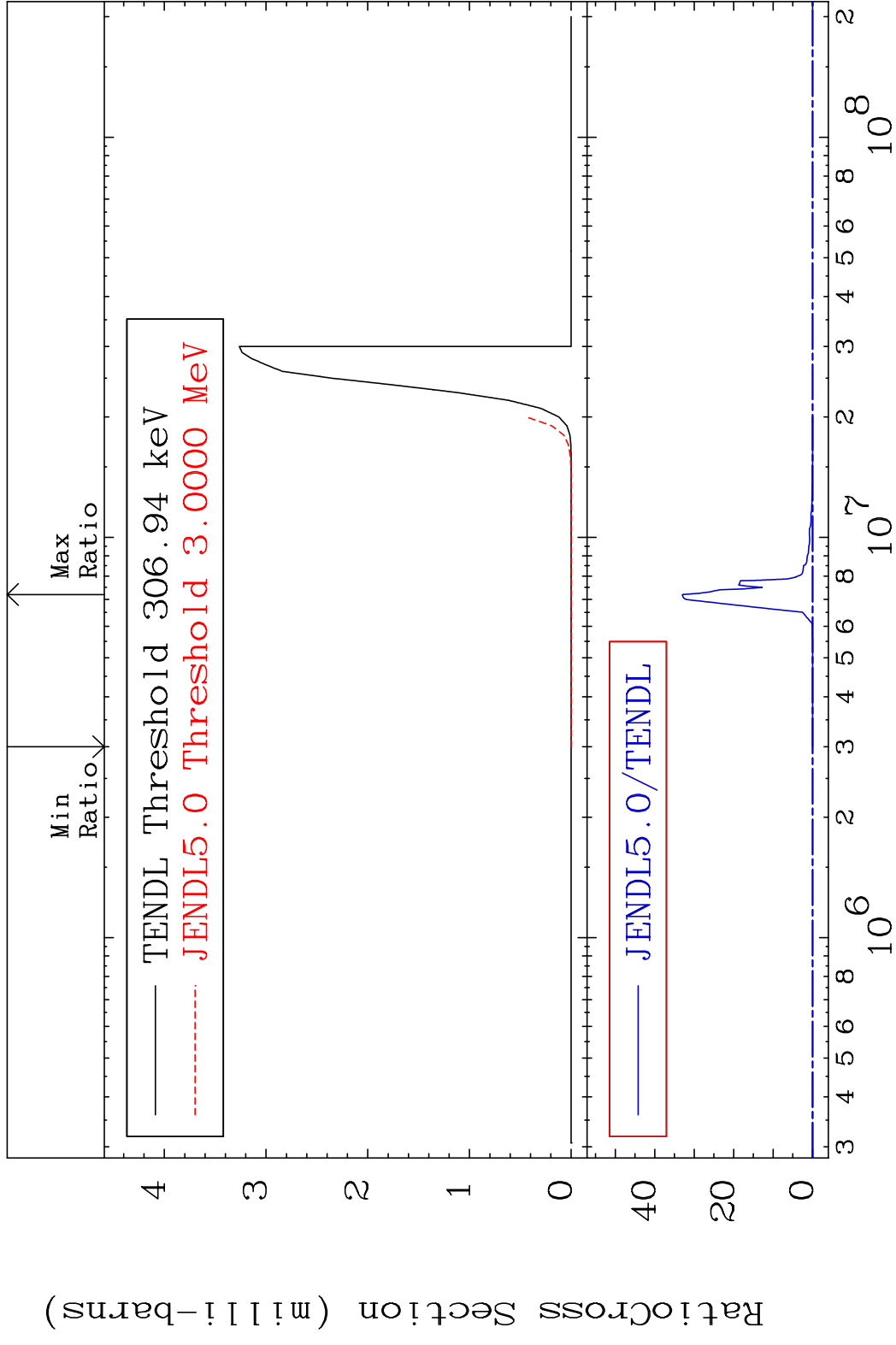
MAT 8046 Dpa inelastic (mt51-91) 80-Hg-203
 Cross Section -100.0 To 112.8 %

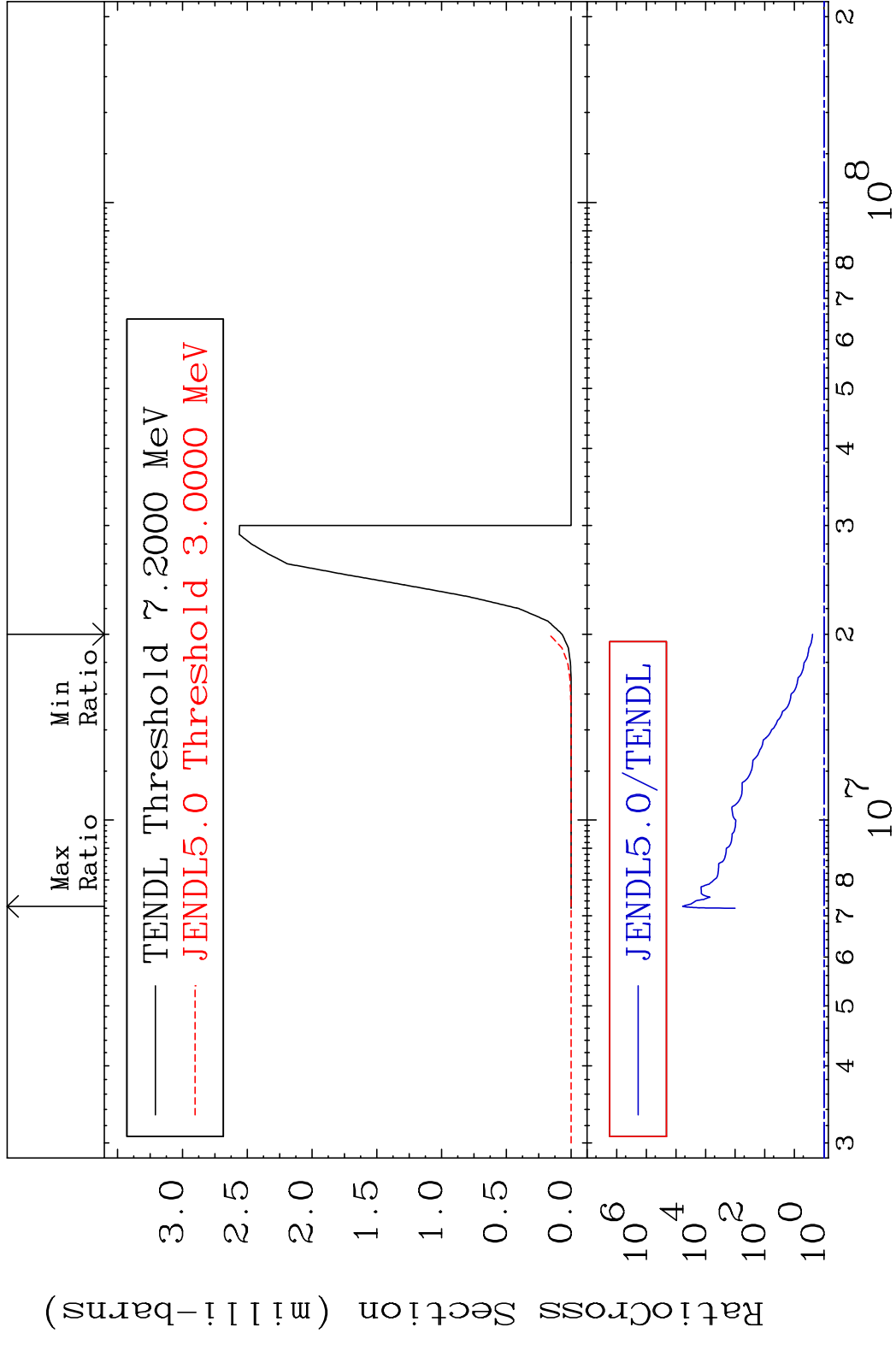


MAT 8046 Dpa disappearance (mt102 -120) 80-Hg-203
 Cross Section -99.93 To 9999. %



45 Incident Energy (eV) 80-Hg-203



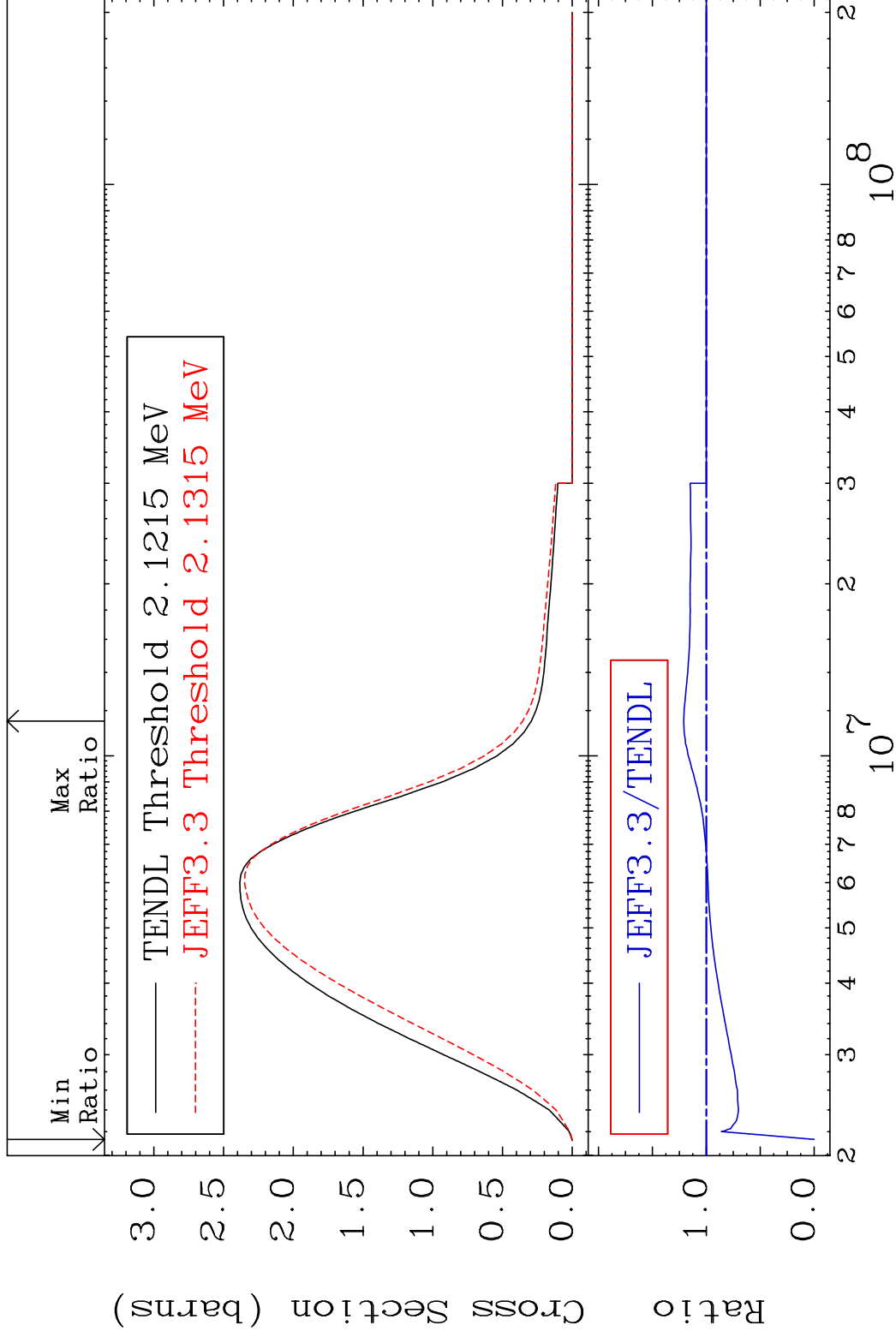


MAT 8046

(n, n') Continuum

80-Hg-203

Cross Section -100.0 To 21.01 %



48

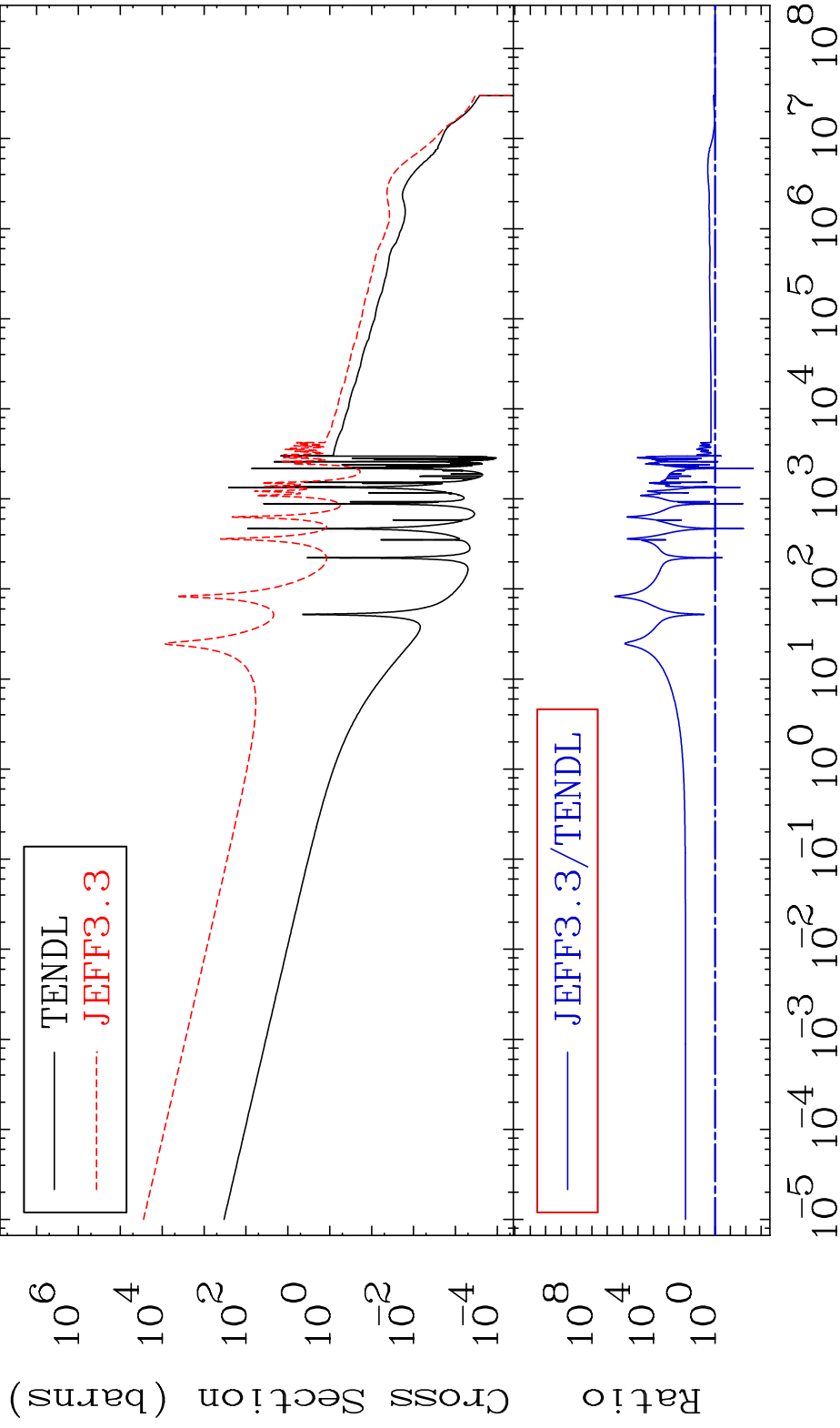
Incident Energy (eV)

80-Hg-203

MAT 8046

(n, γ)
Cross Section -99.66 To 9999. %

80-Hg-203



49

Incident Energy (eV)

80-Hg-203

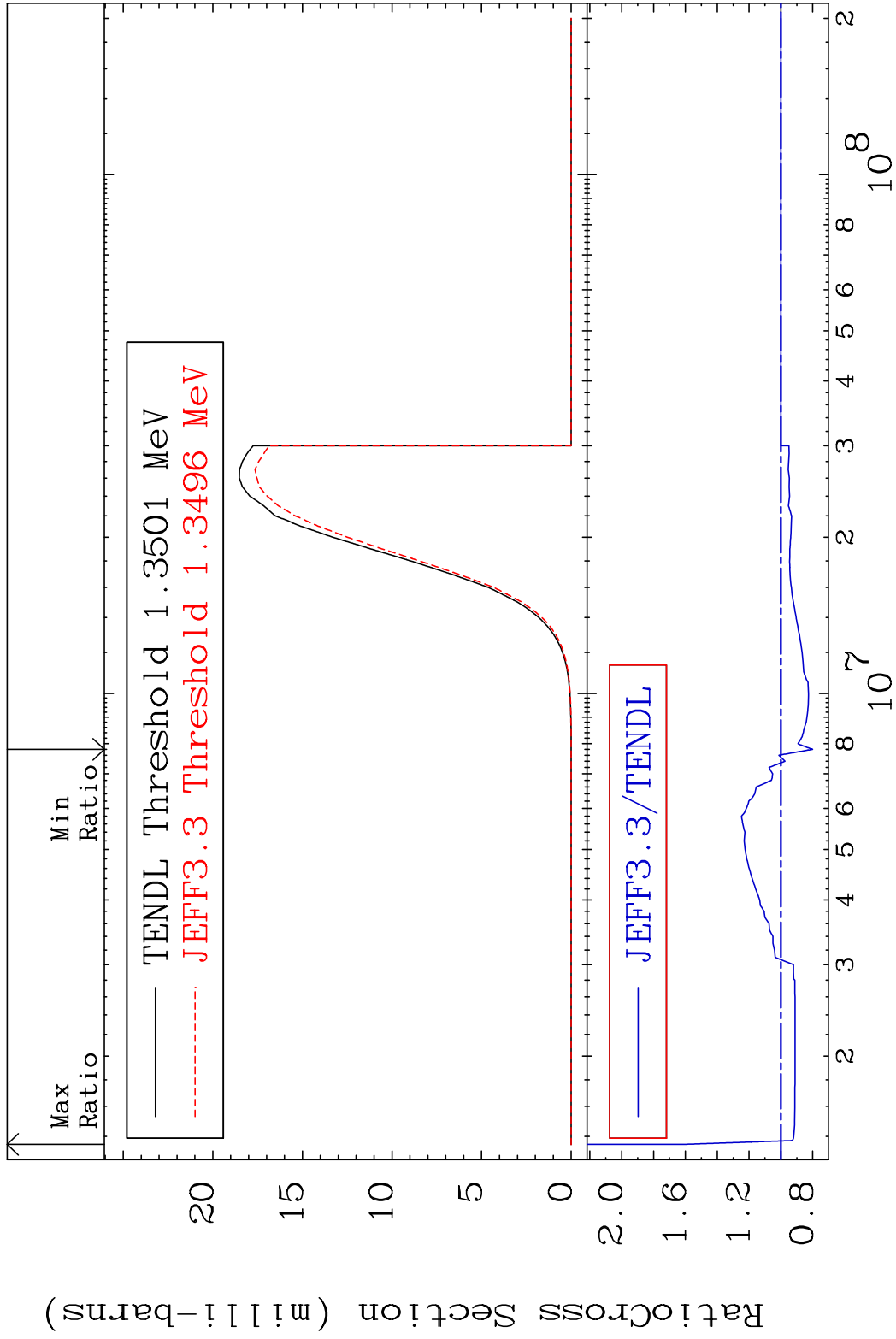
MAT 8046

(n, p)

80-Hg-203

Cross Section

-19.91 To 61.91 %



50

Incident Energy (eV)

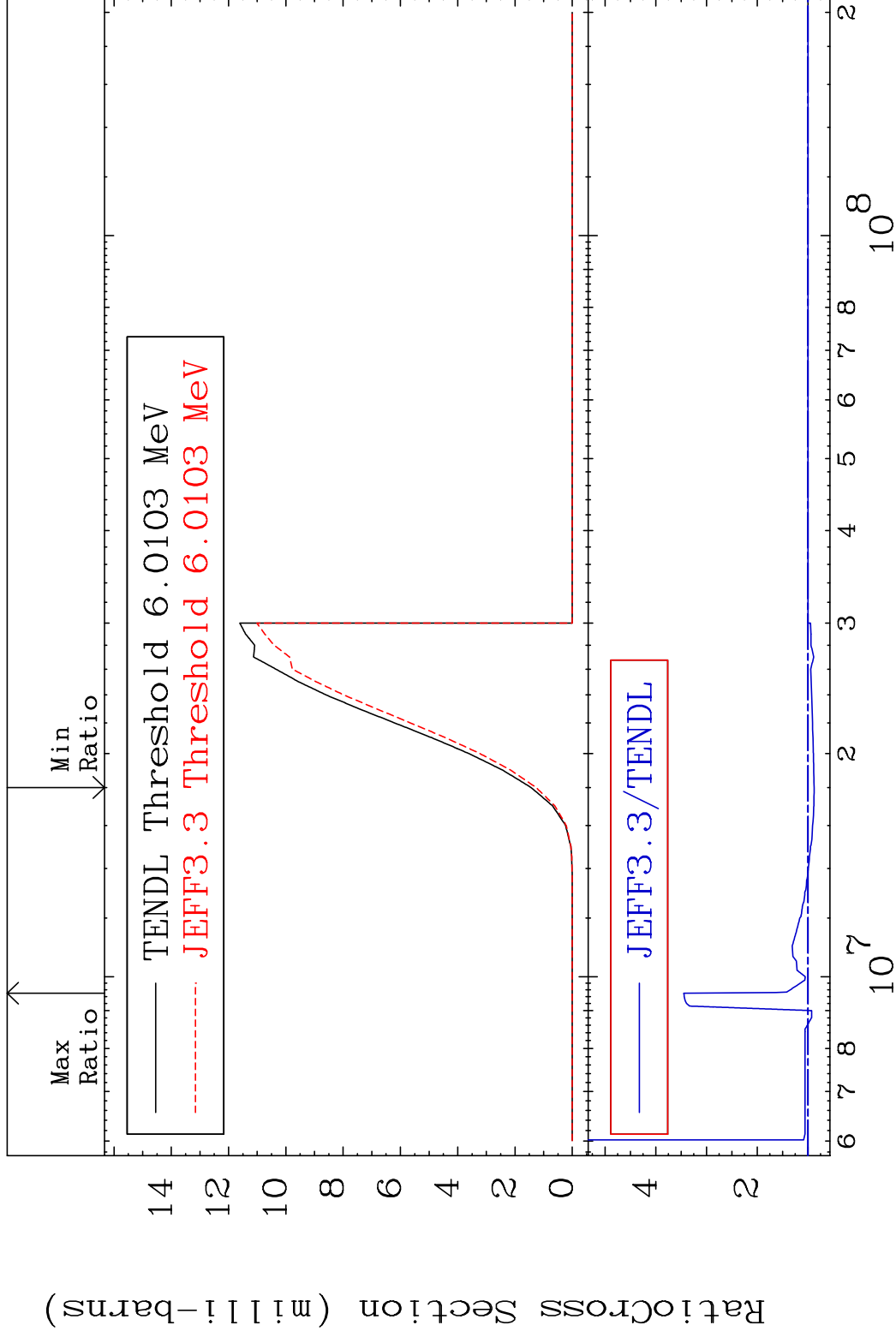
80-Hg-203

MAT 8046

(n, d)

80-Hg-203

Cross Section -12.14 To 245.0 %



51

Incident Energy (eV)

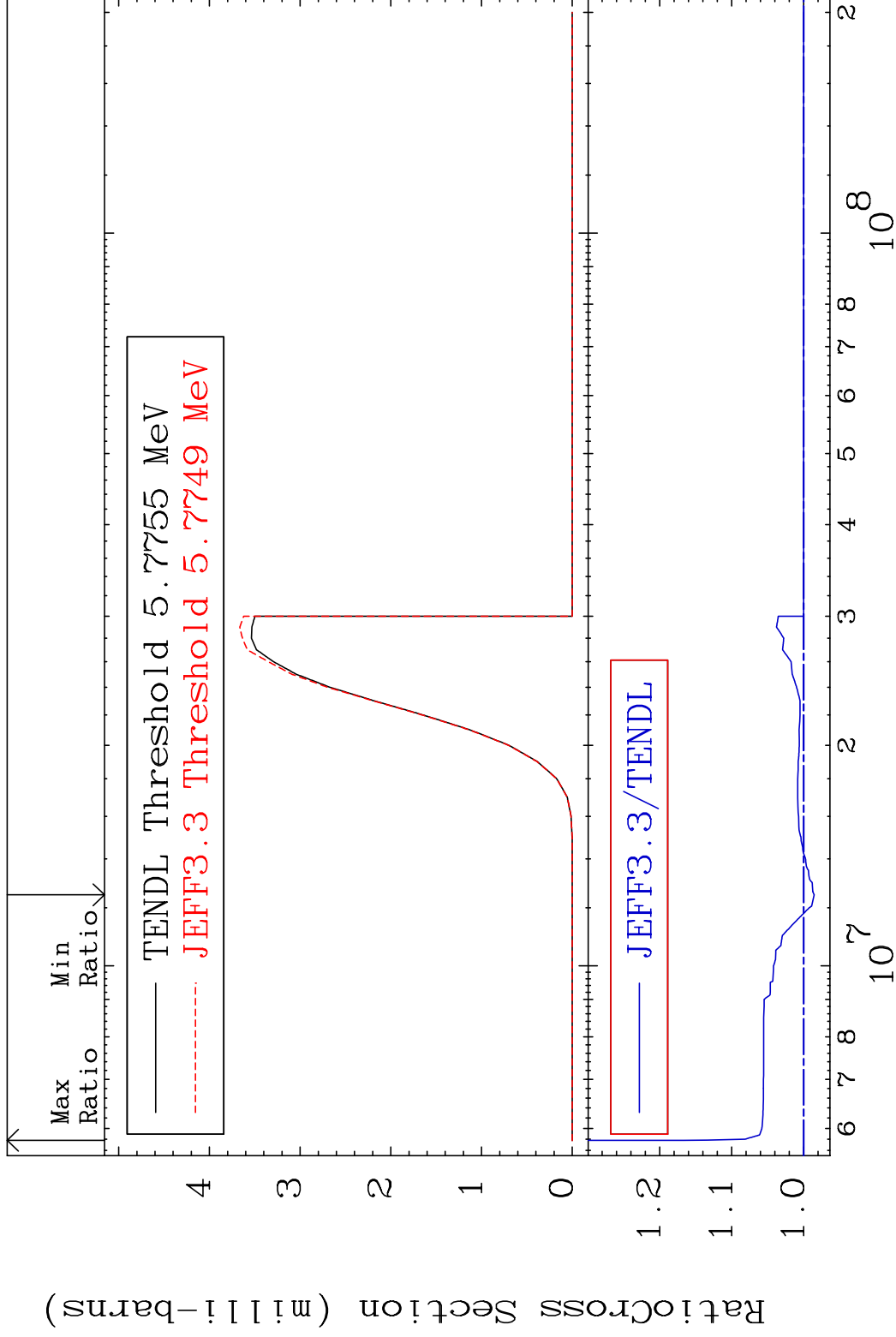
80-Hg-203

MAT 8046

(n, t)

80-Hg-203

Cross Section -1.443 To 16.68 %



52

Incident Energy (eV)

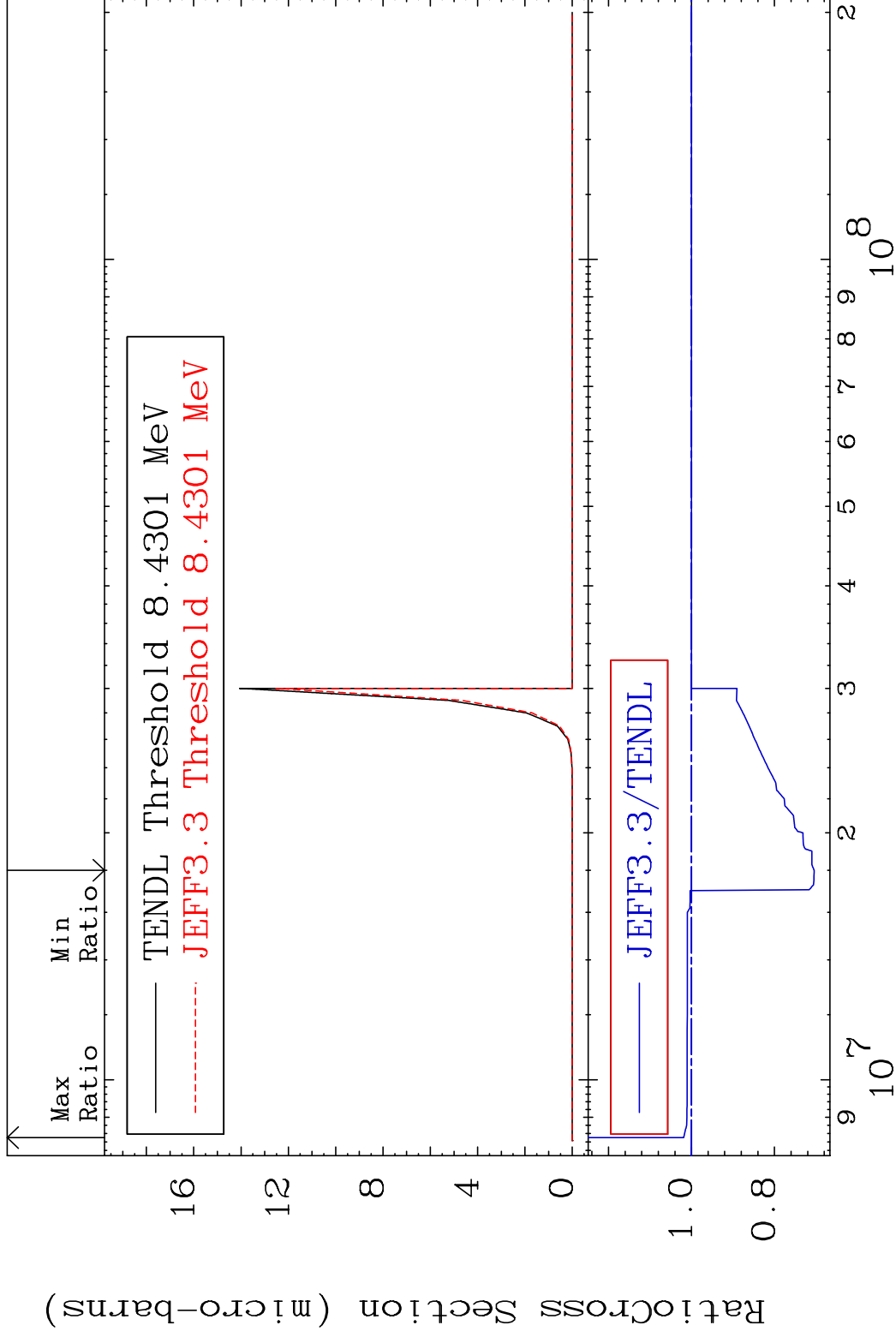
80-Hg-203

MAT 8046

(n, He-3)

80-Hg-203

Cross Section -29.55 To 1.891 %



53

Incident Energy (eV)

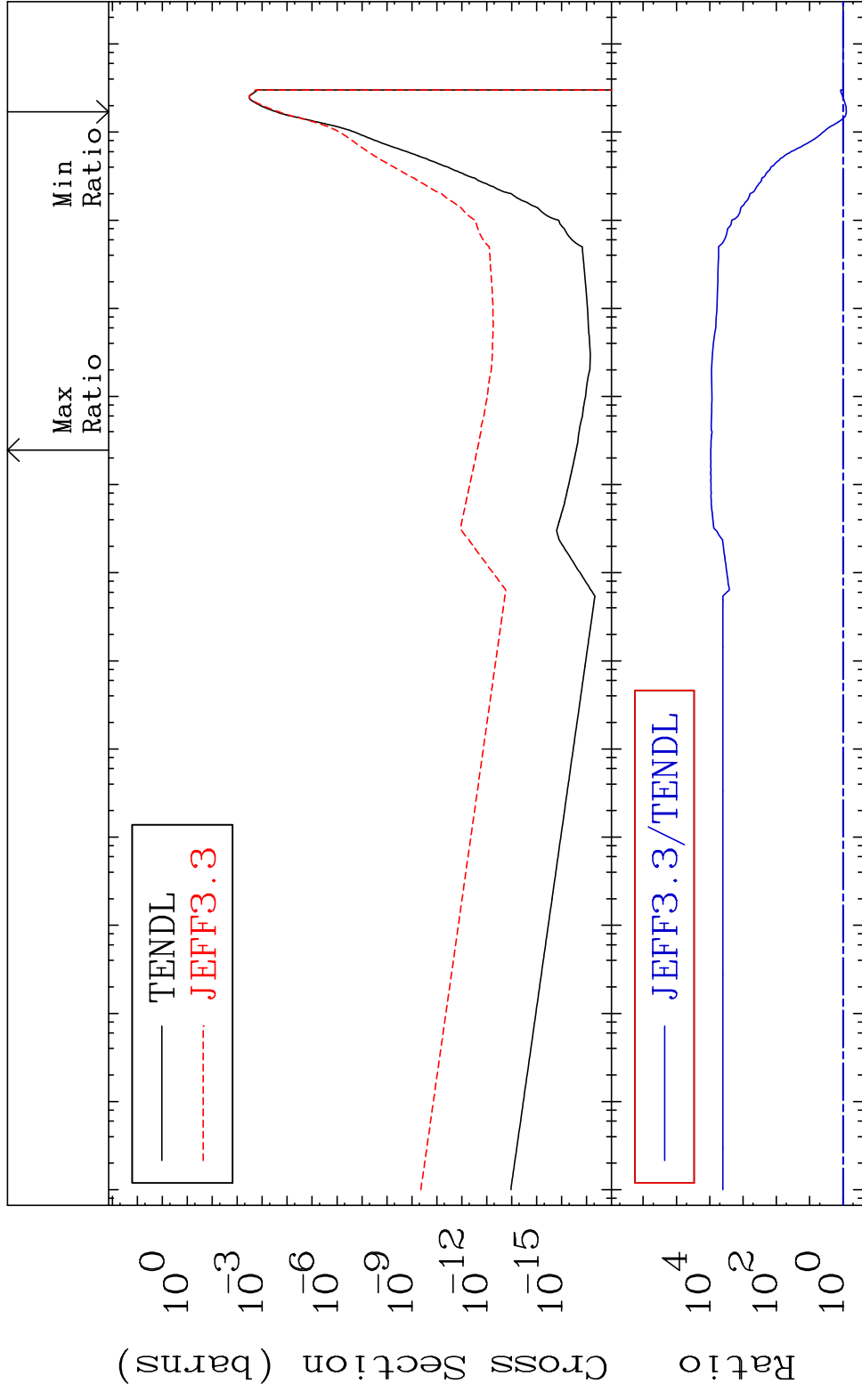
80-Hg-203

MAT 8046

80-Hg-203

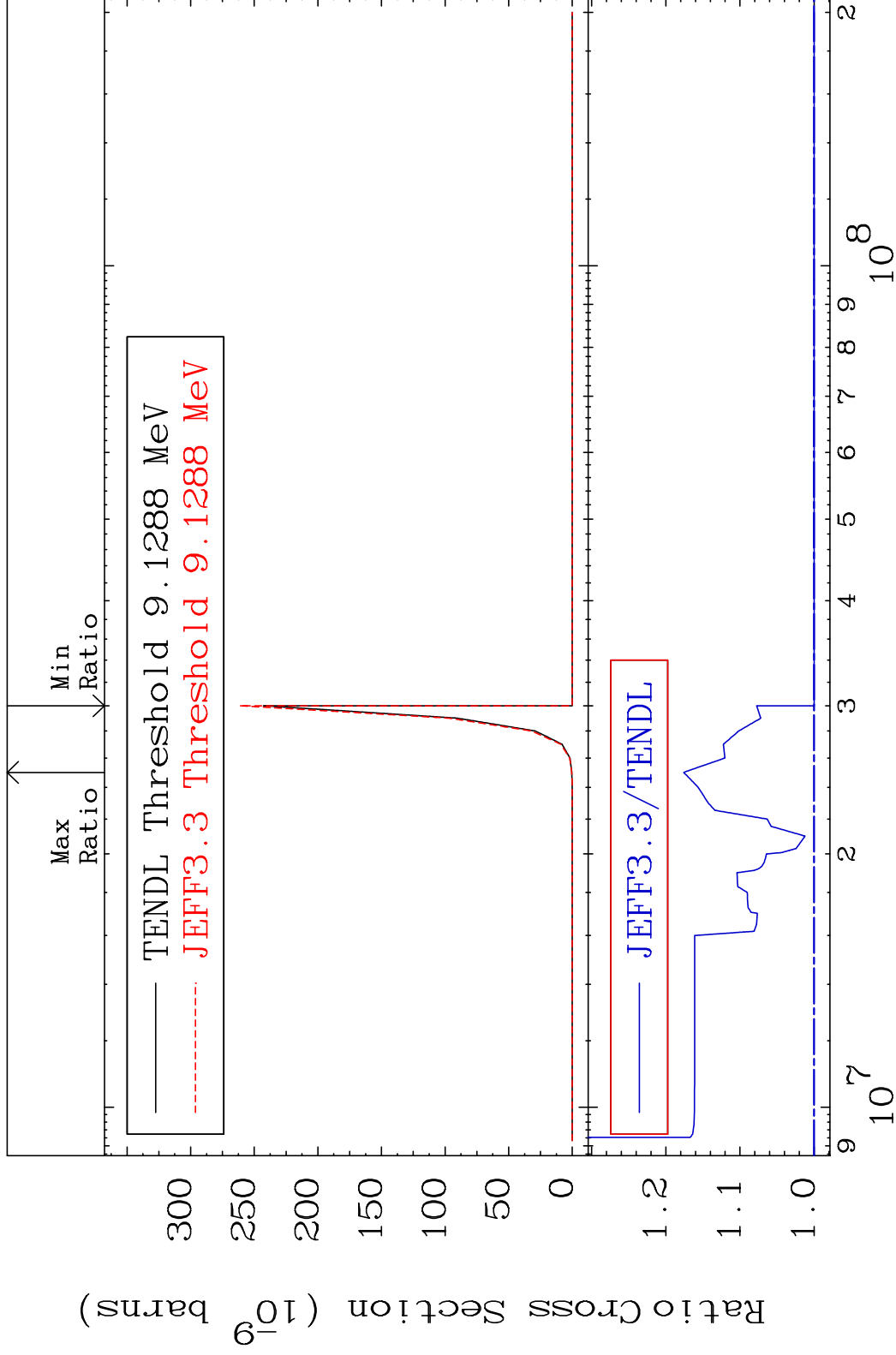
(n, α)

Cross Section -20.62 To 9999. %



MAT 8046

(n,2p) 80-Hg-203
Cross Section 0.000 To 17.60 %



55

Incident Energy (eV)

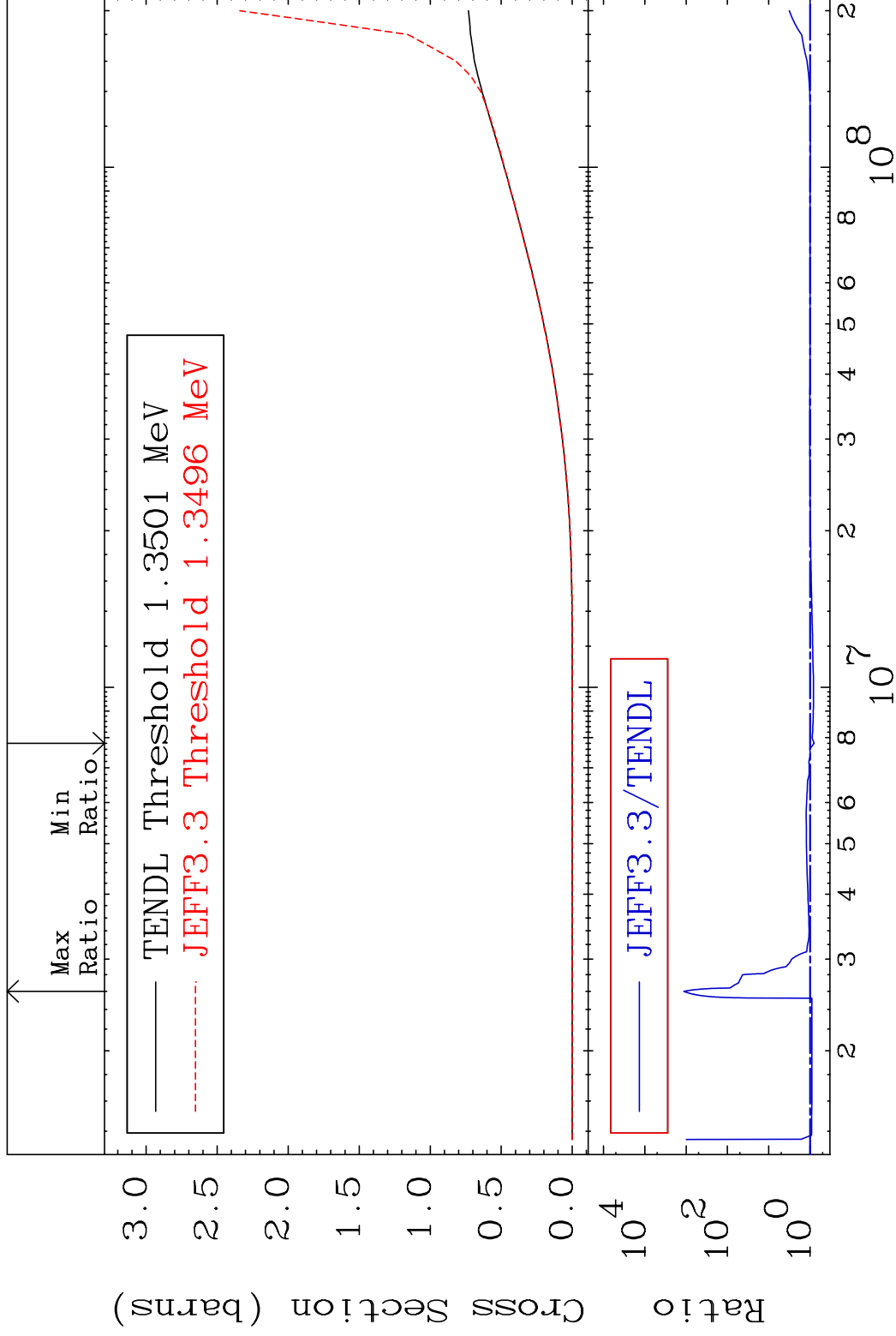
80-Hg-203

MAT 8046

Hydrogen Production

80-Hg-203

Cross Section -19.91 To 9999. %



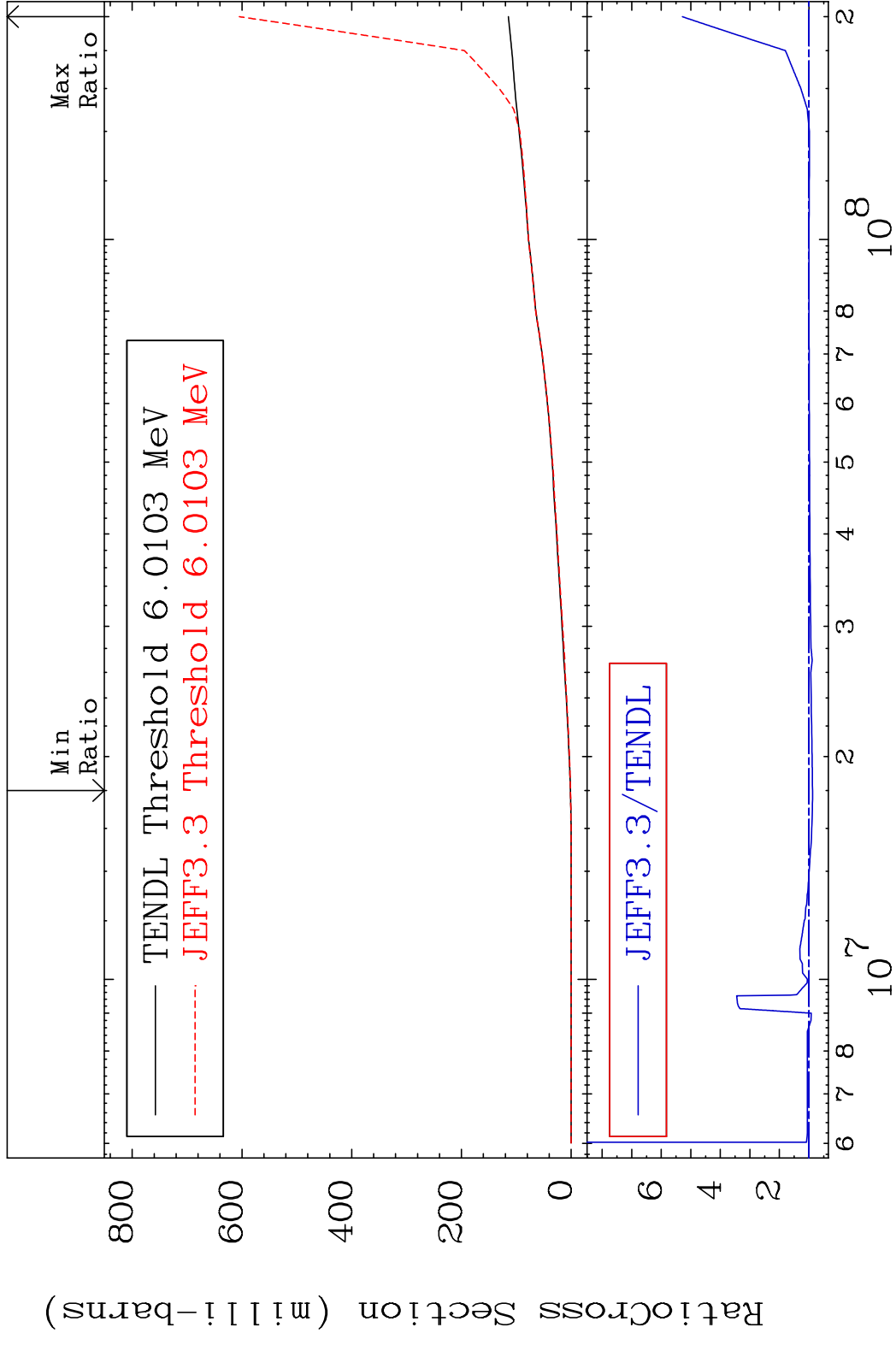
56

Incident Energy (eV)

80-Hg-203

MAT 8046

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



57

Incident Energy (eV)

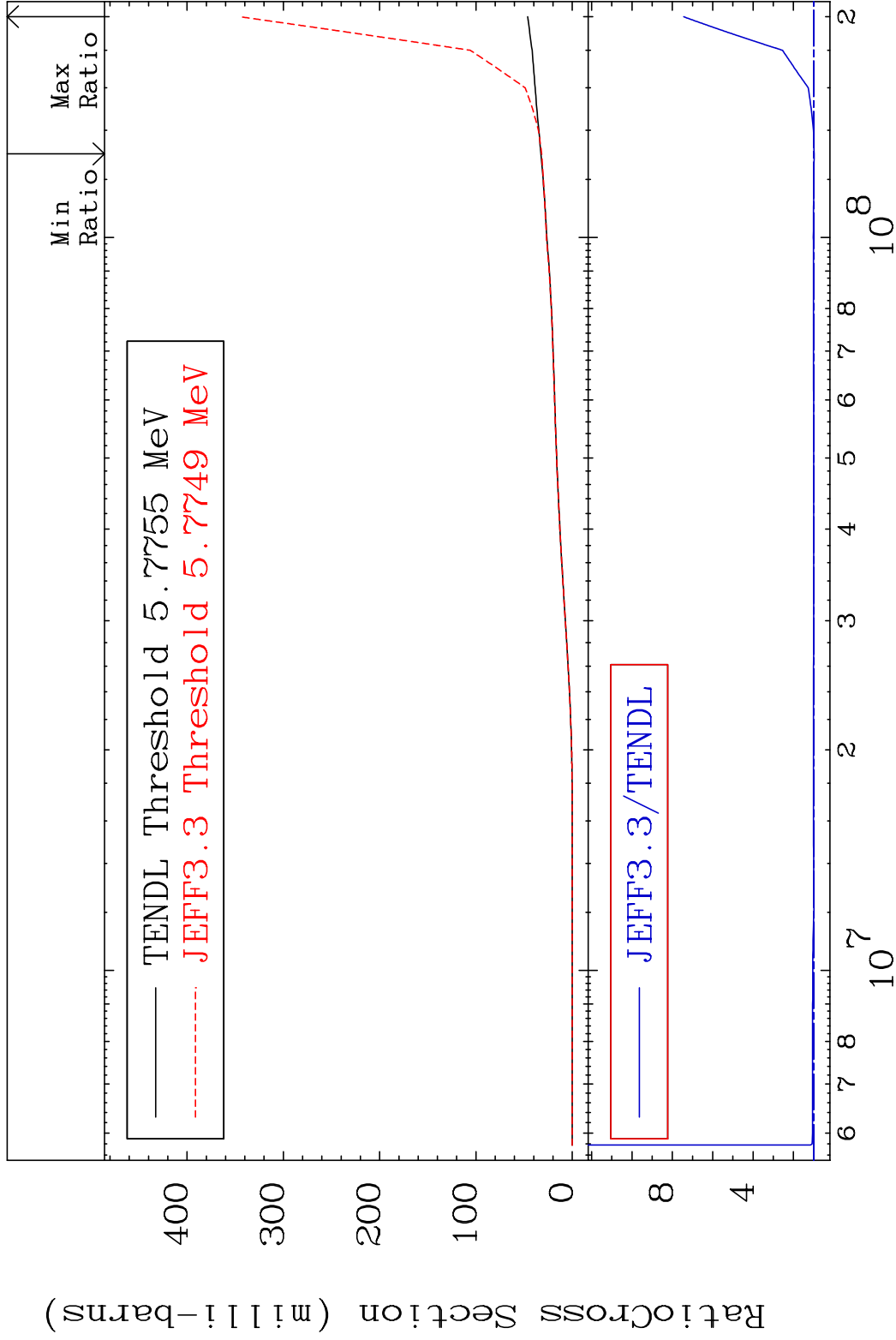
80-Hg-203

MAT 8046

Tritium Production

80-Hg-203

Cross Section -2.252 To 644.0 %



58

Incident Energy (eV)

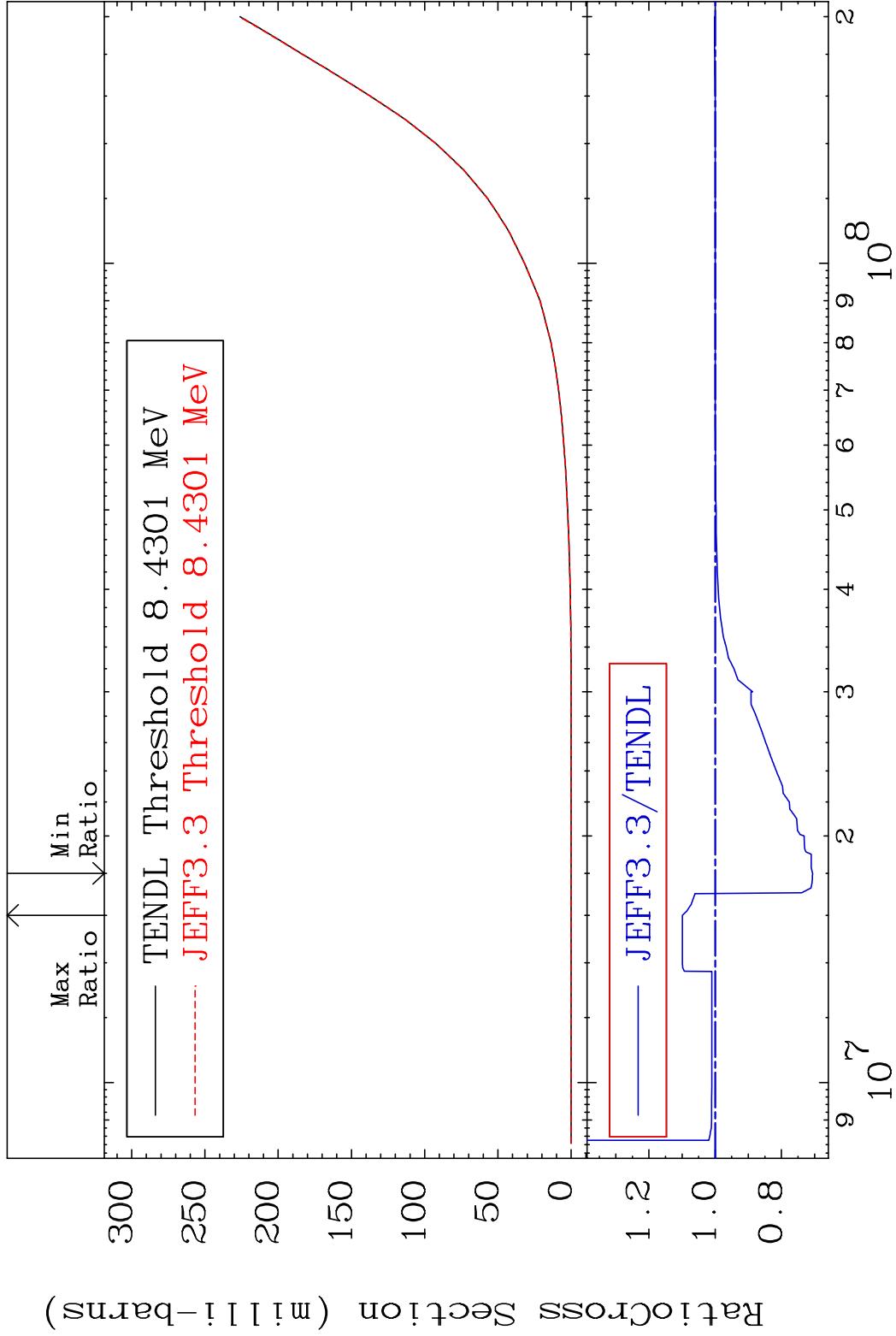
80-Hg-203

MAT 8046

He-3 Production

80-Hg-203

Cross Section -29.40 To 9.920 %



59

Incident Energy (eV)

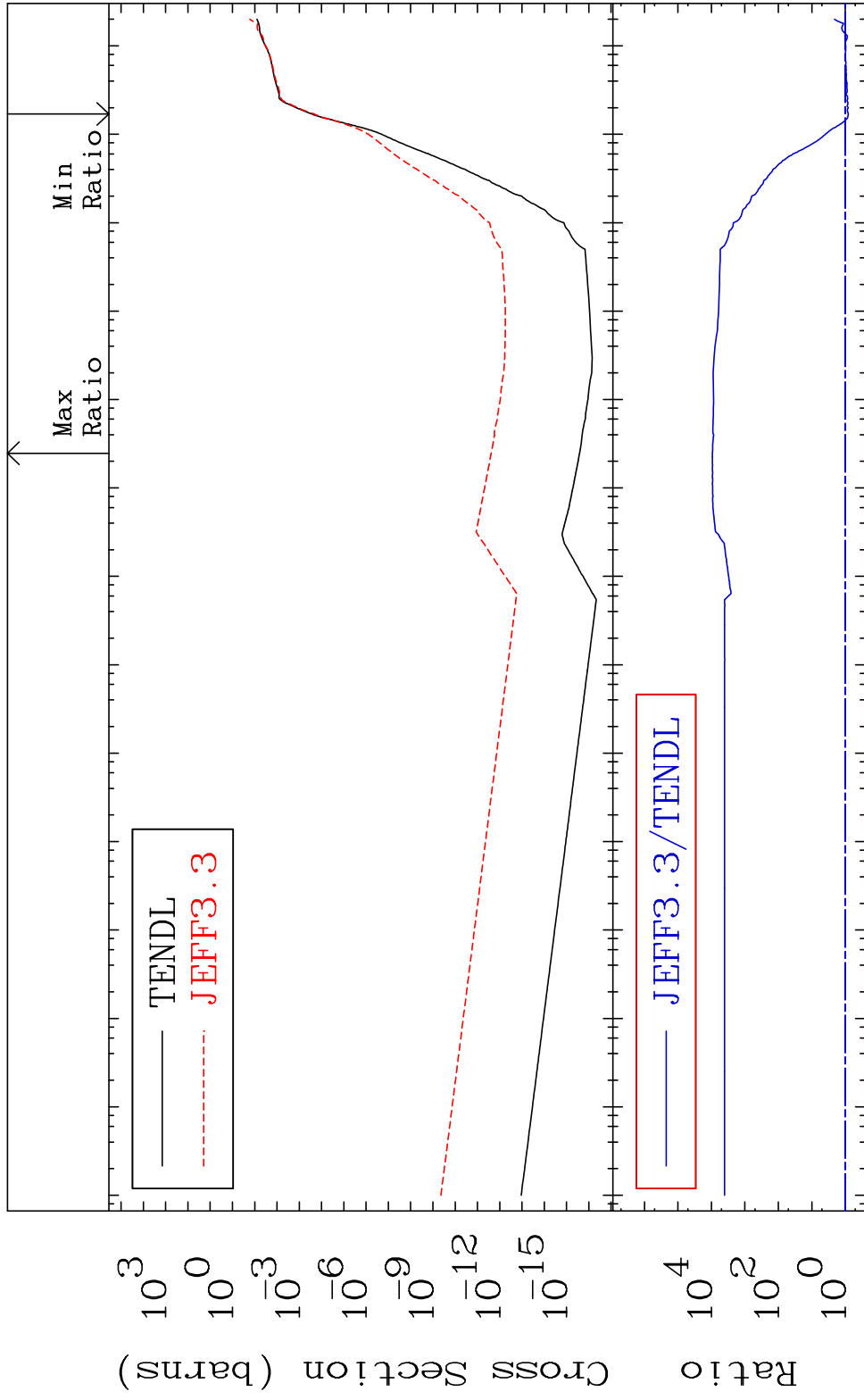
80-Hg-203

MAT 8046

He-4 Production

80-Hg-203

Cross Section -18.77 To 9999. %

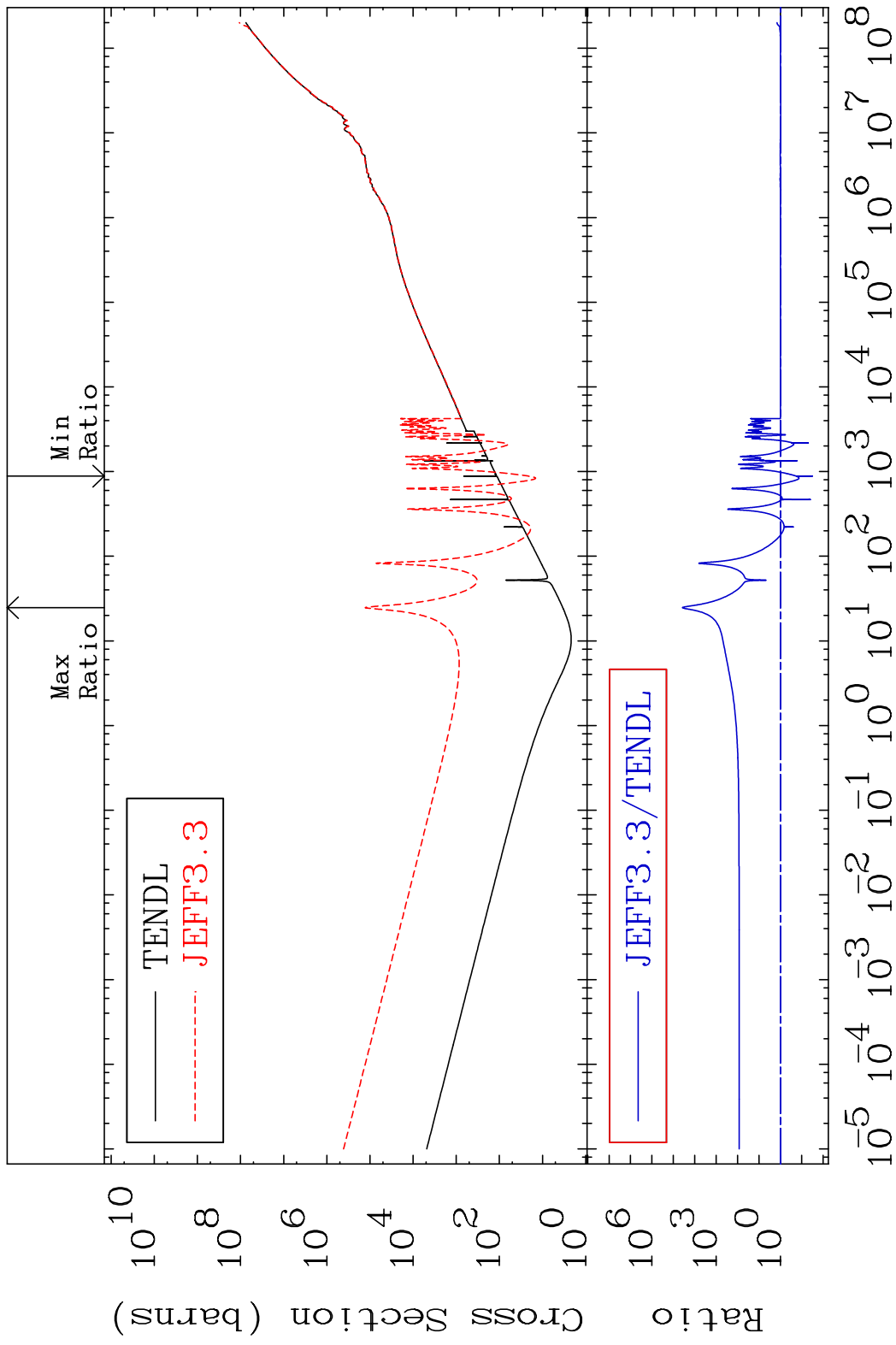


60

Incident Energy (eV)

80-Hg-203

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



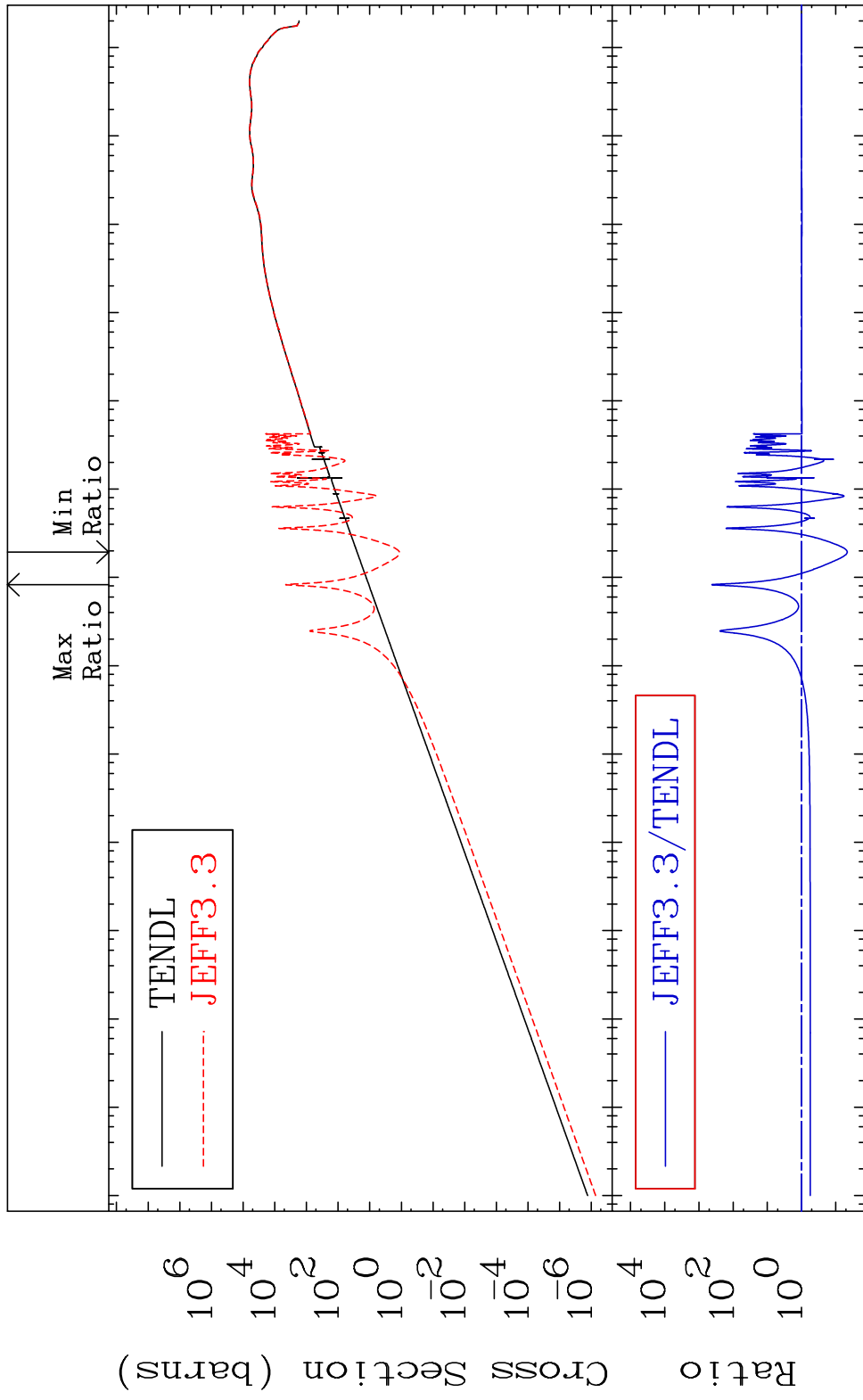
61 Incident Energy (eV) 80-Hg-203

MAT 8046

Kerma elastic

80-Hg-203

Cross Section -95.42 To 9999. %



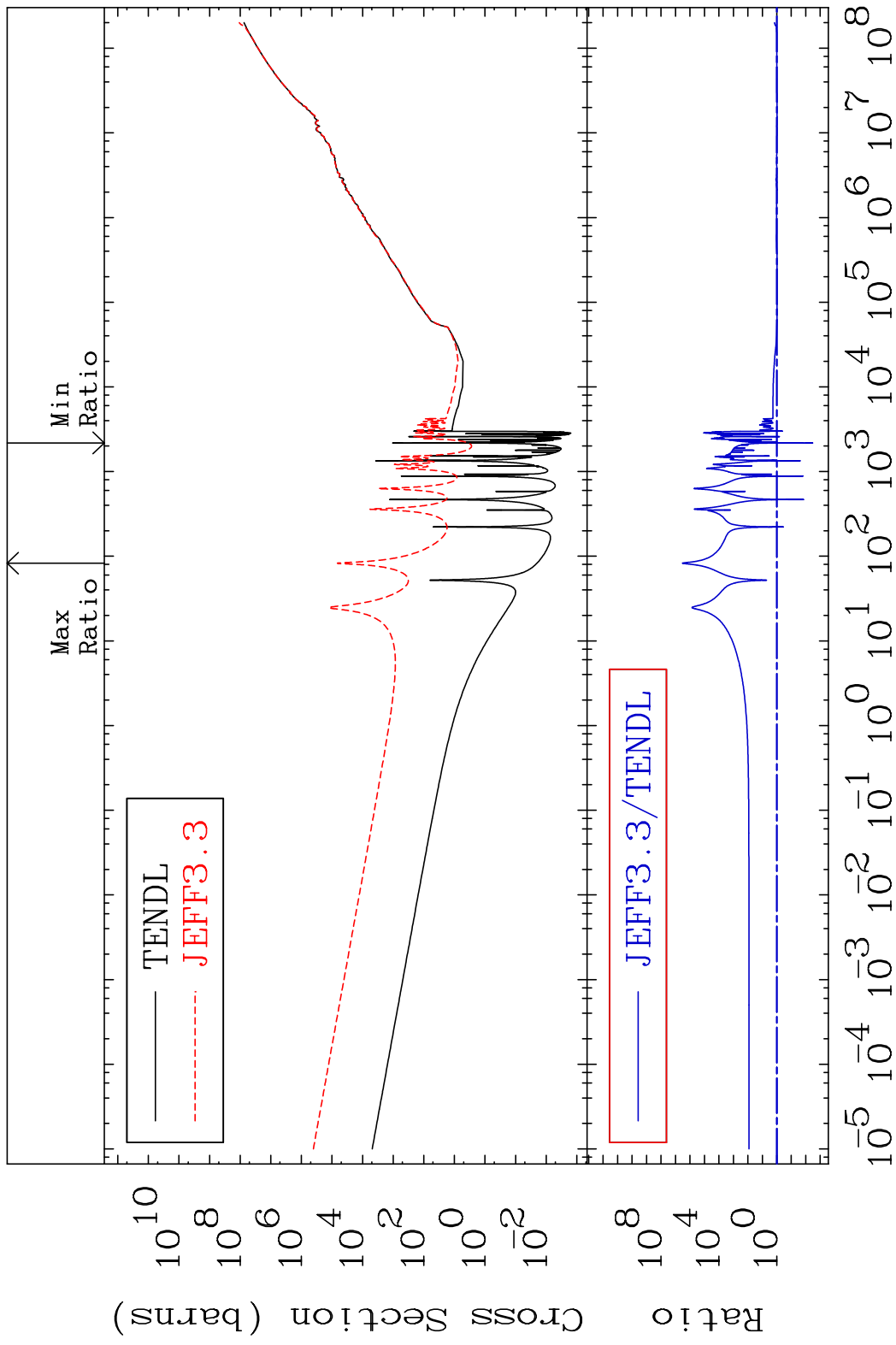
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

62

Incident Energy (eV)

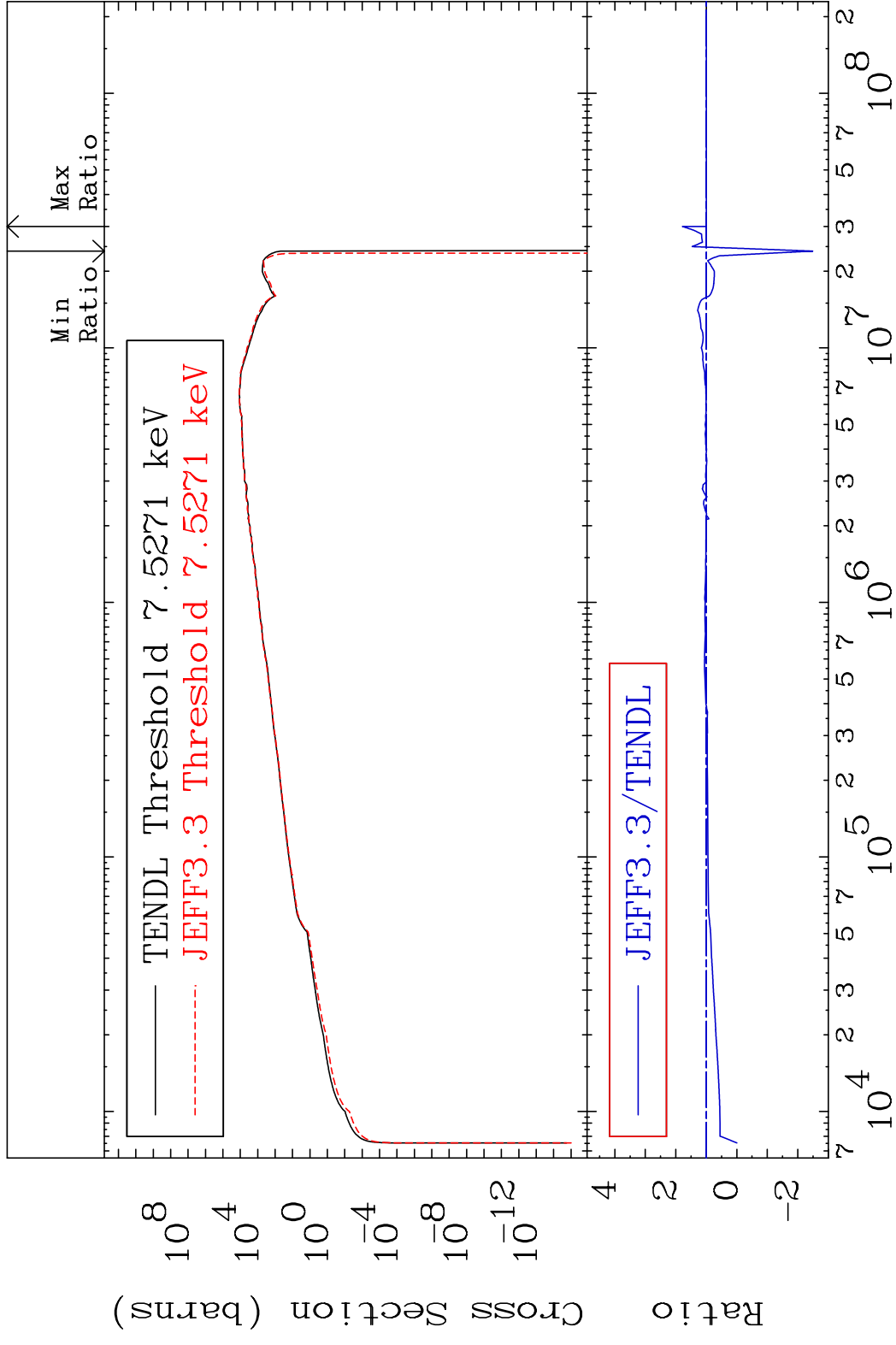
80-Hg-203

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



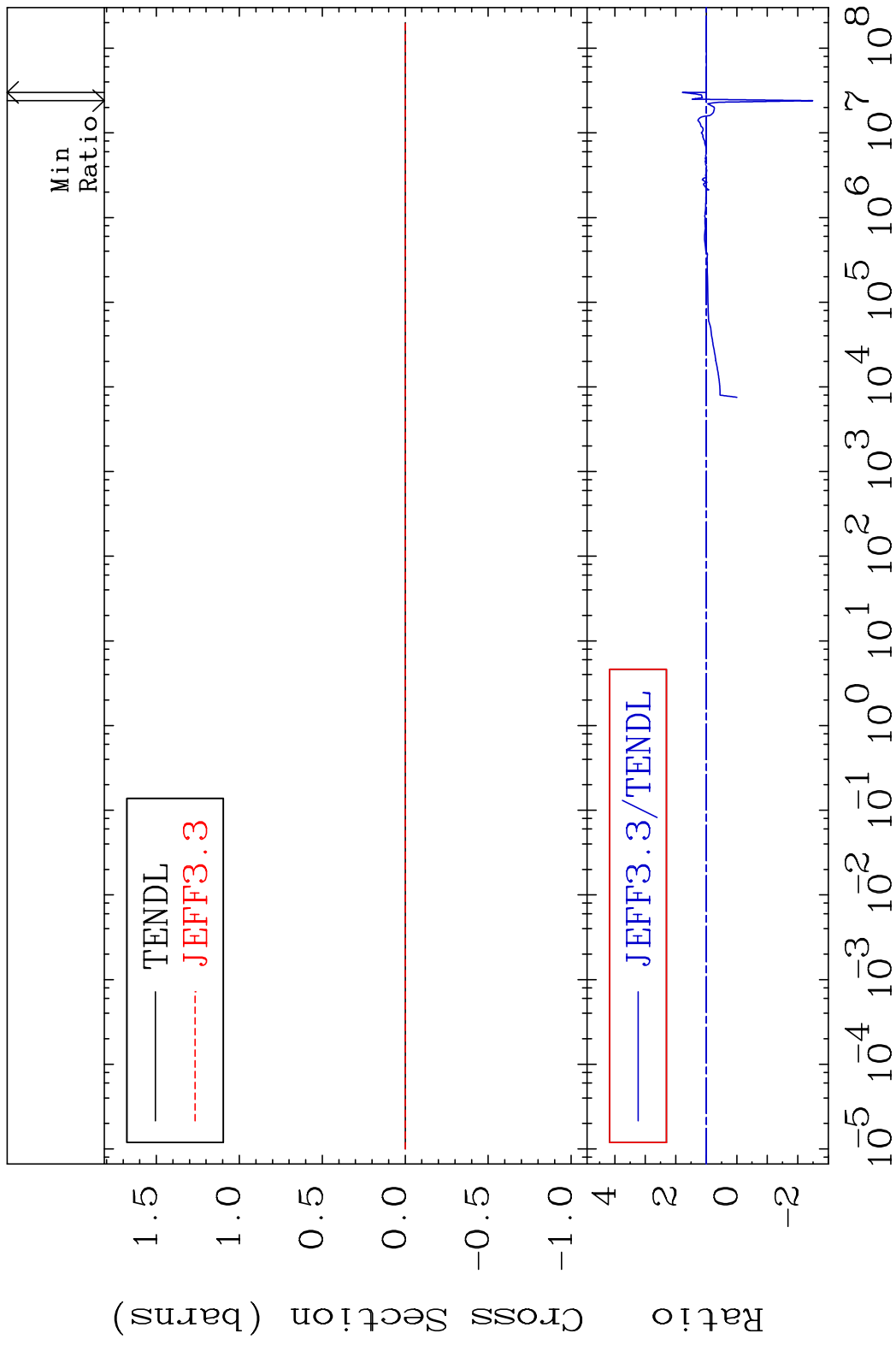
63 Incident Energy (eV) 80-Hg-203

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



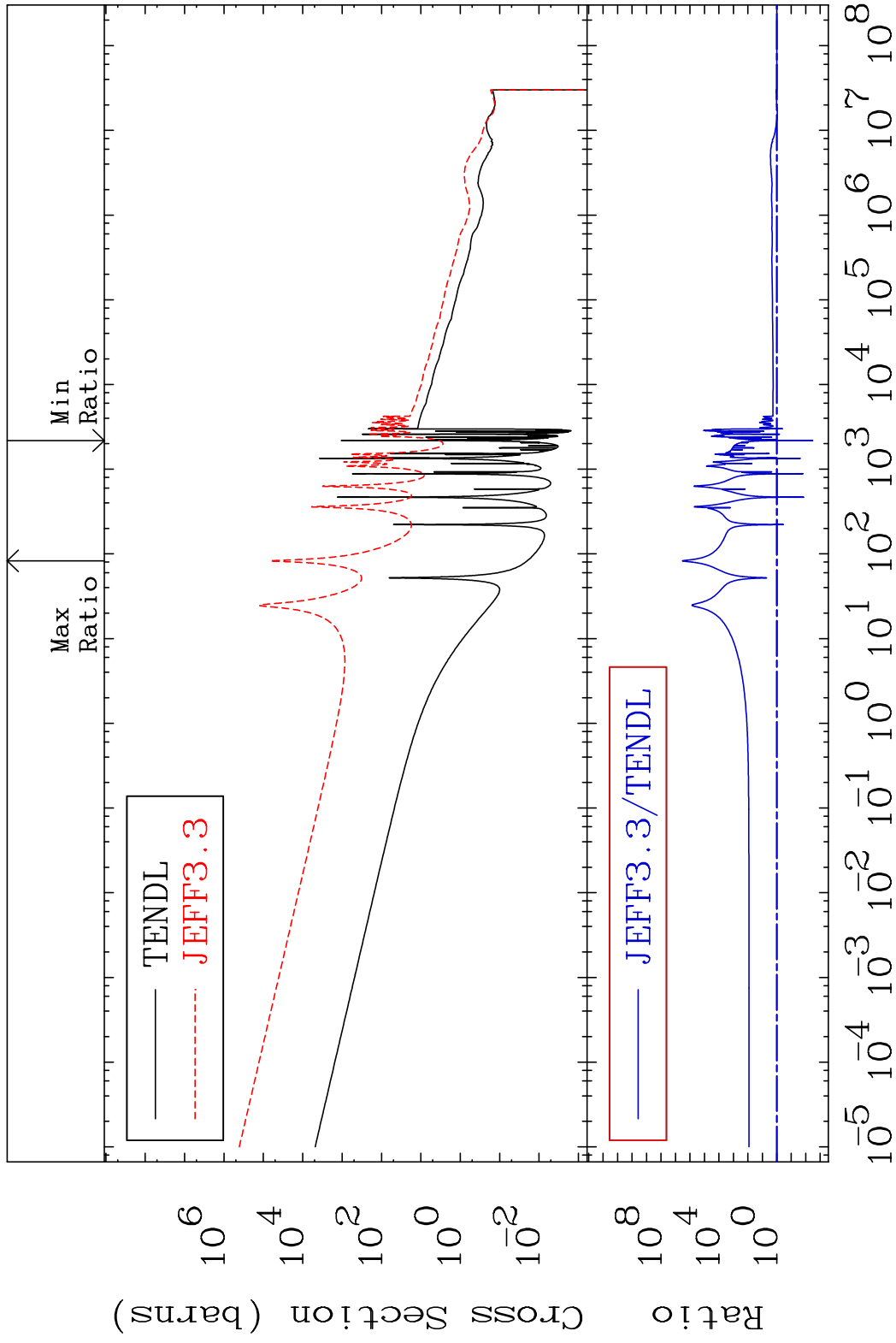
64 Incident Energy (eV) 80-Hg-203

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. %

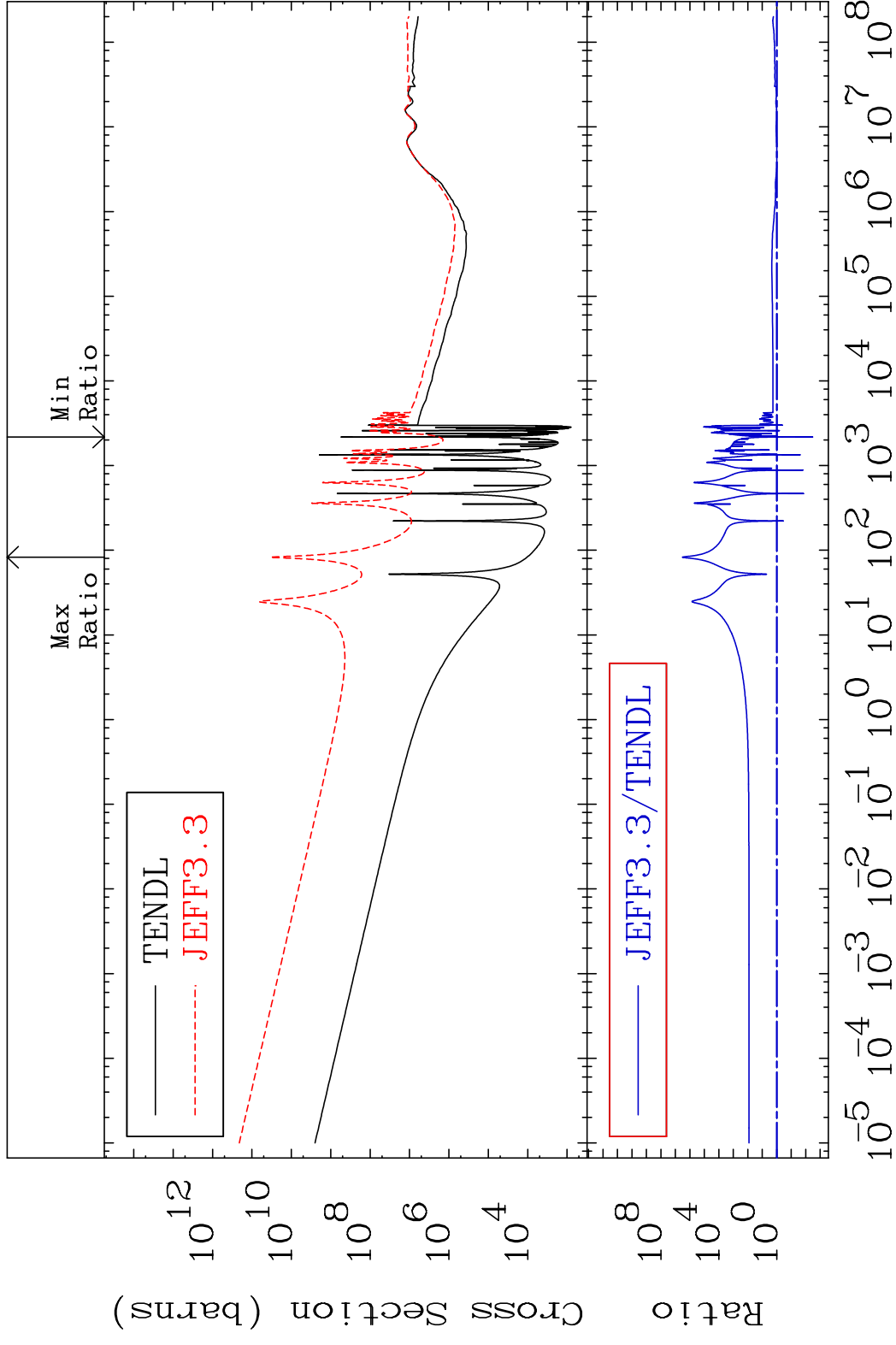


66

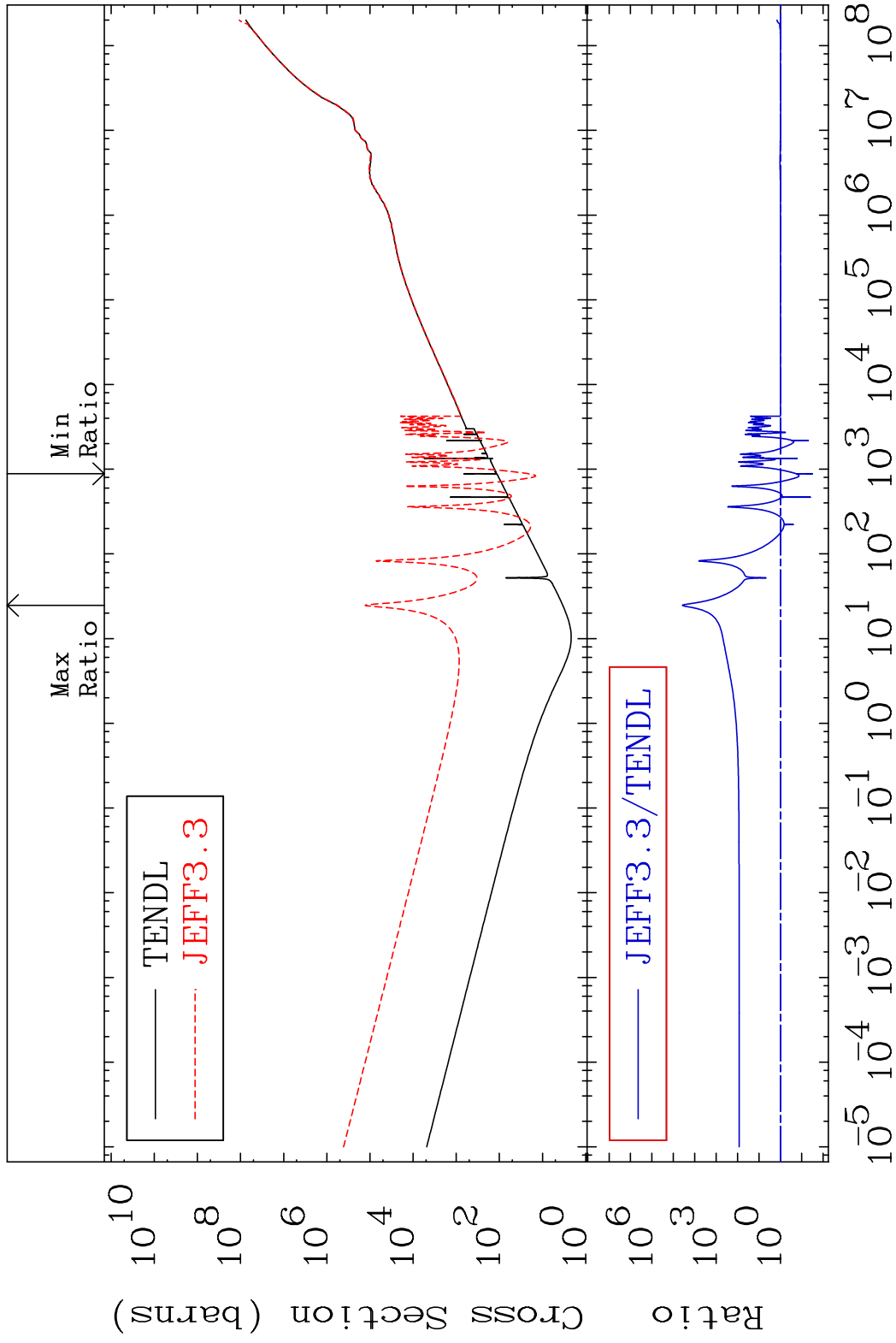
Incident Energy (eV)

80-Hg-203

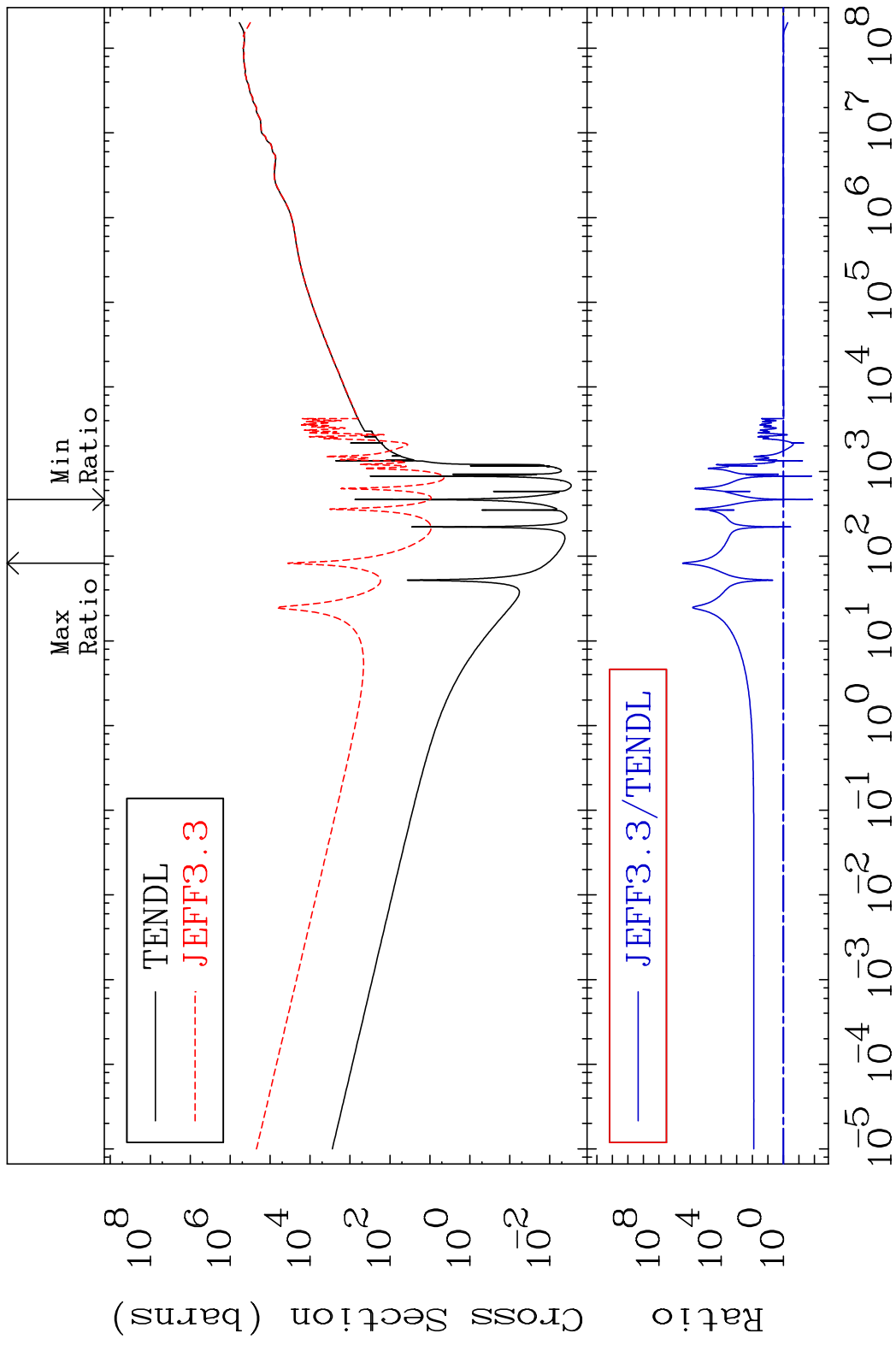
MAT 8046 Total photon (eV-barns) 80-Hg-203
 Cross Section -99.66 To 9999. %



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. %



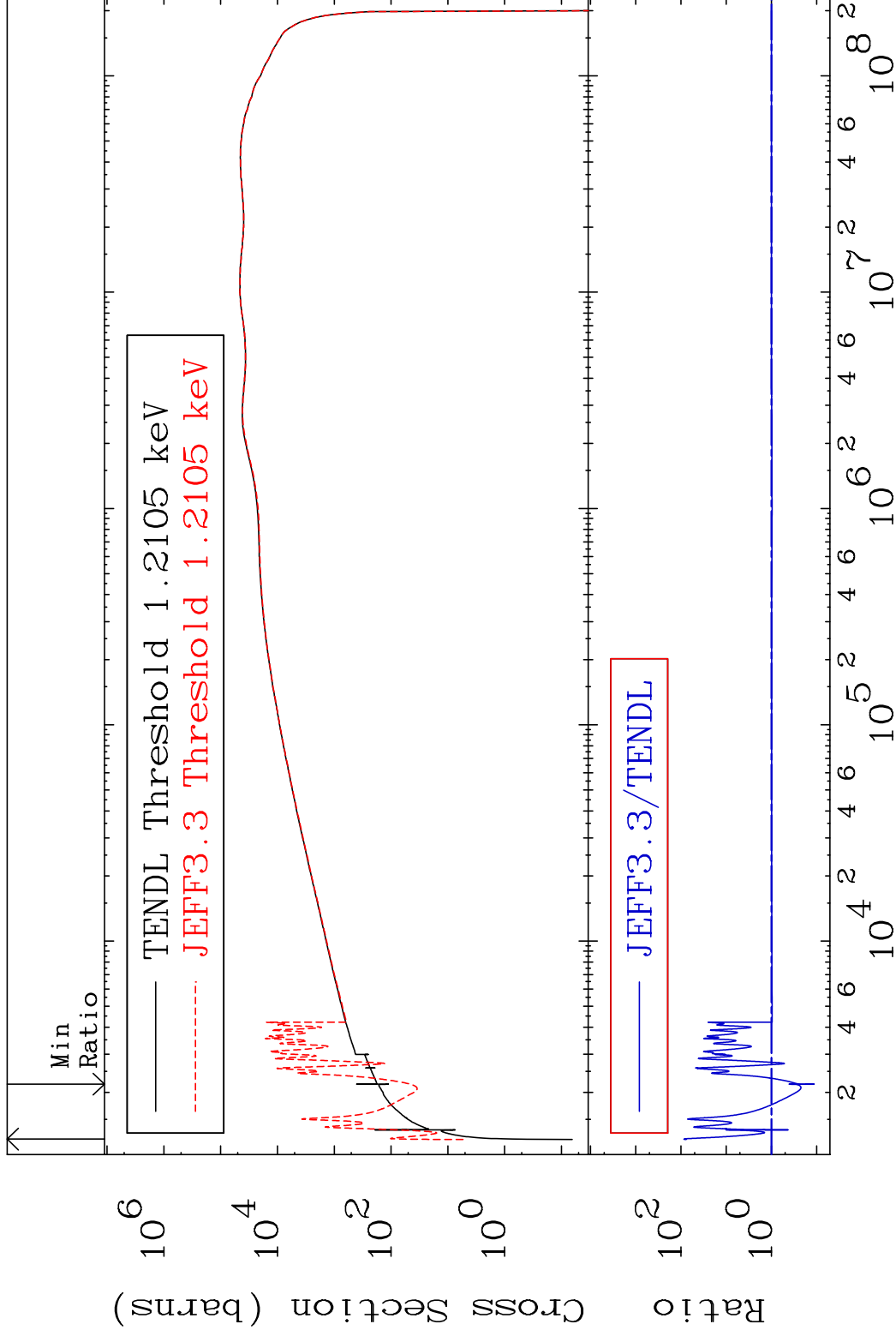
69 Incident Energy (eV) 80-Hg-203

MAT 8046

Dpa elastic (mt2)

80-Hg-203

Cross Section -88.58 To 8630. %

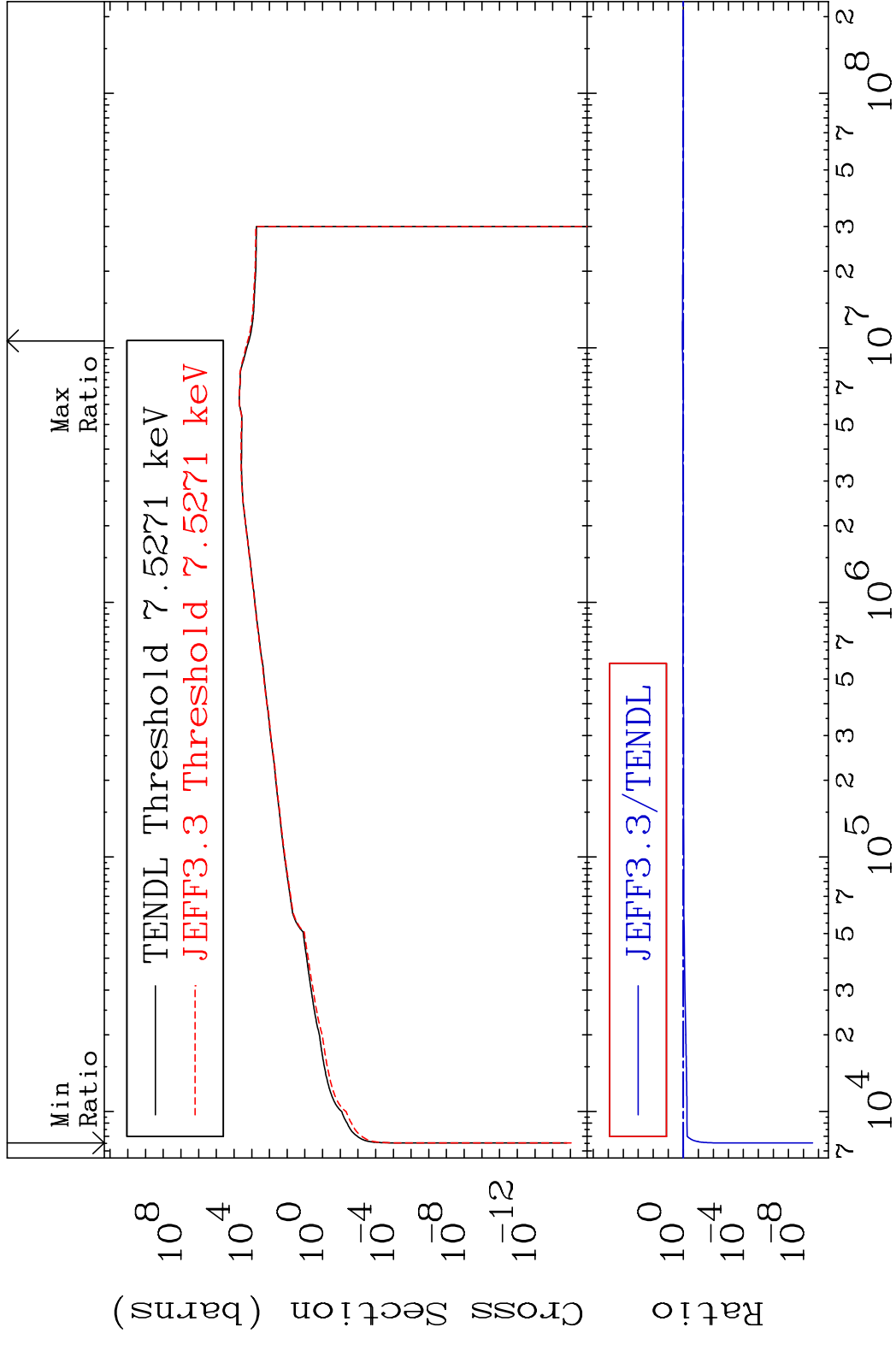


70

Incident Energy (eV)

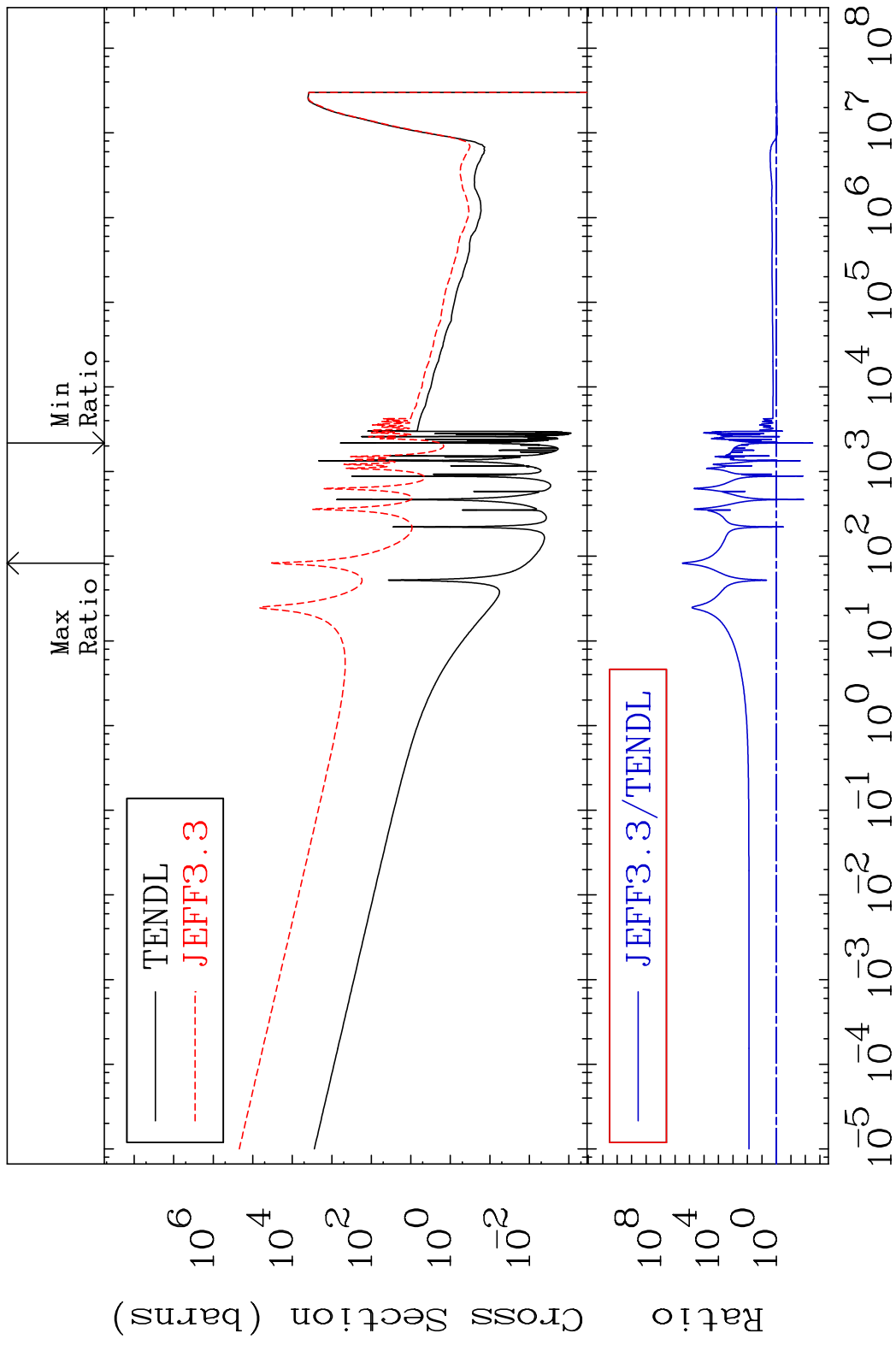
80-Hg-203

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

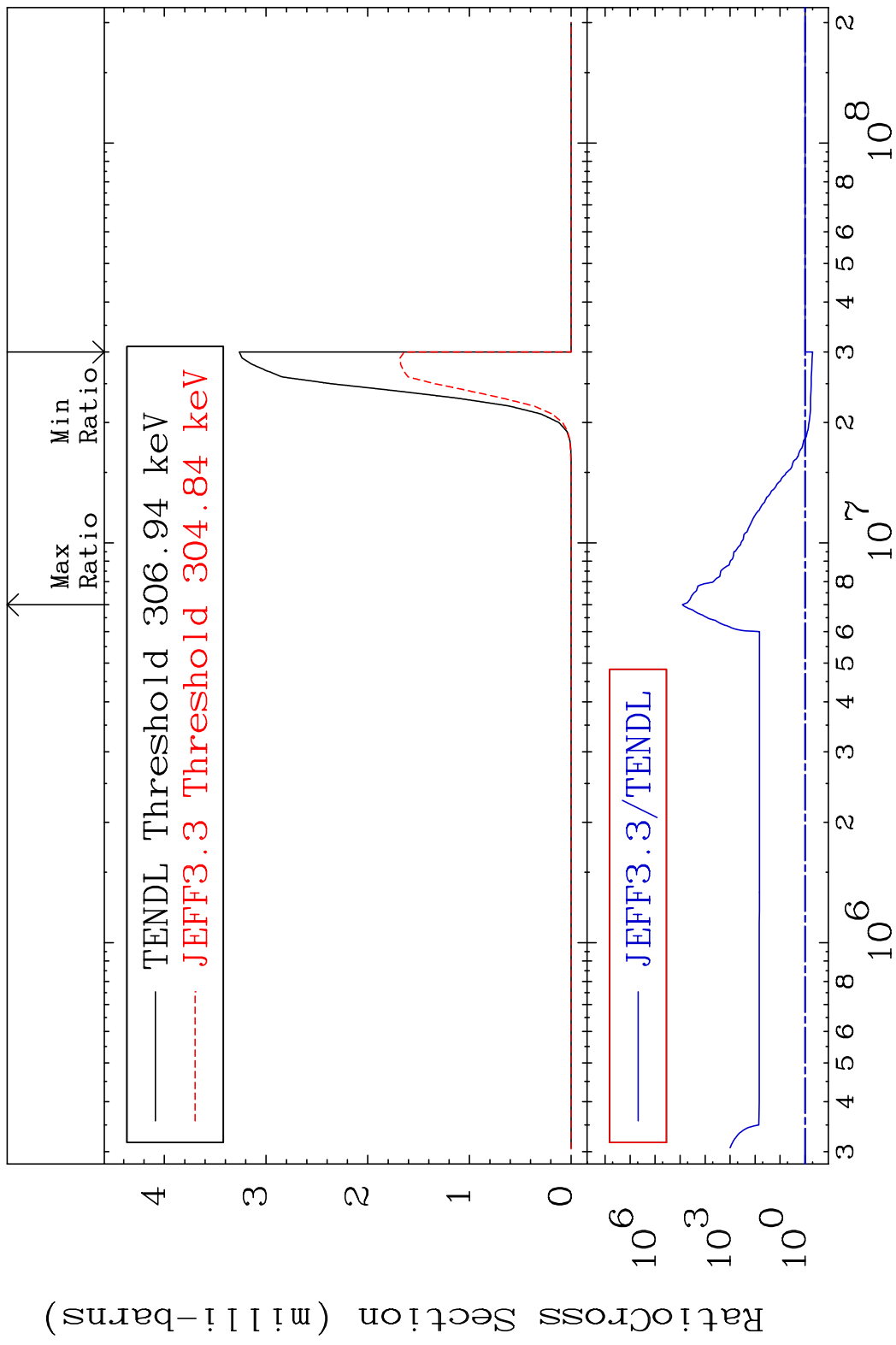


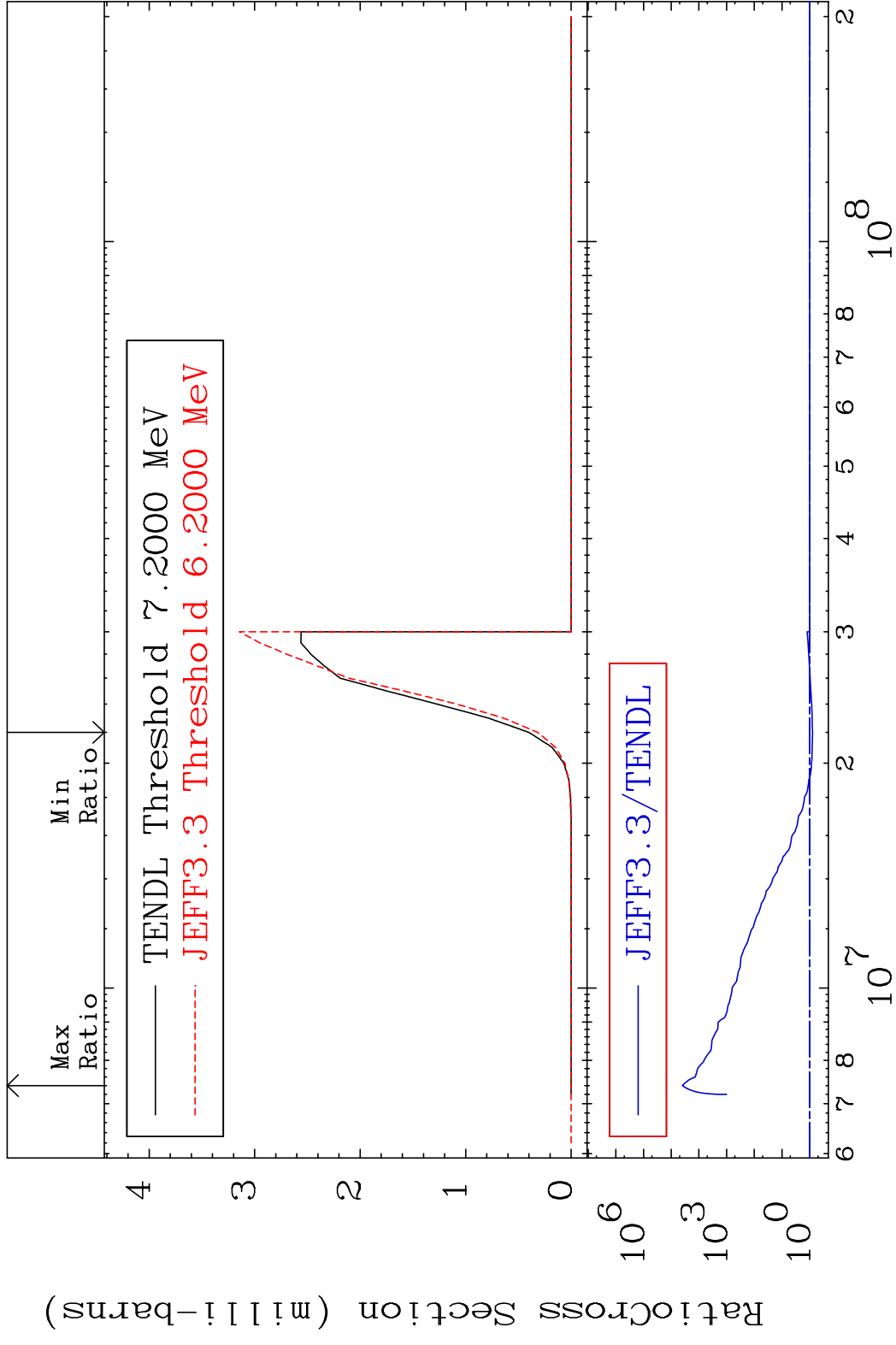
71 Incident Energy (eV) 80-Hg-203

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

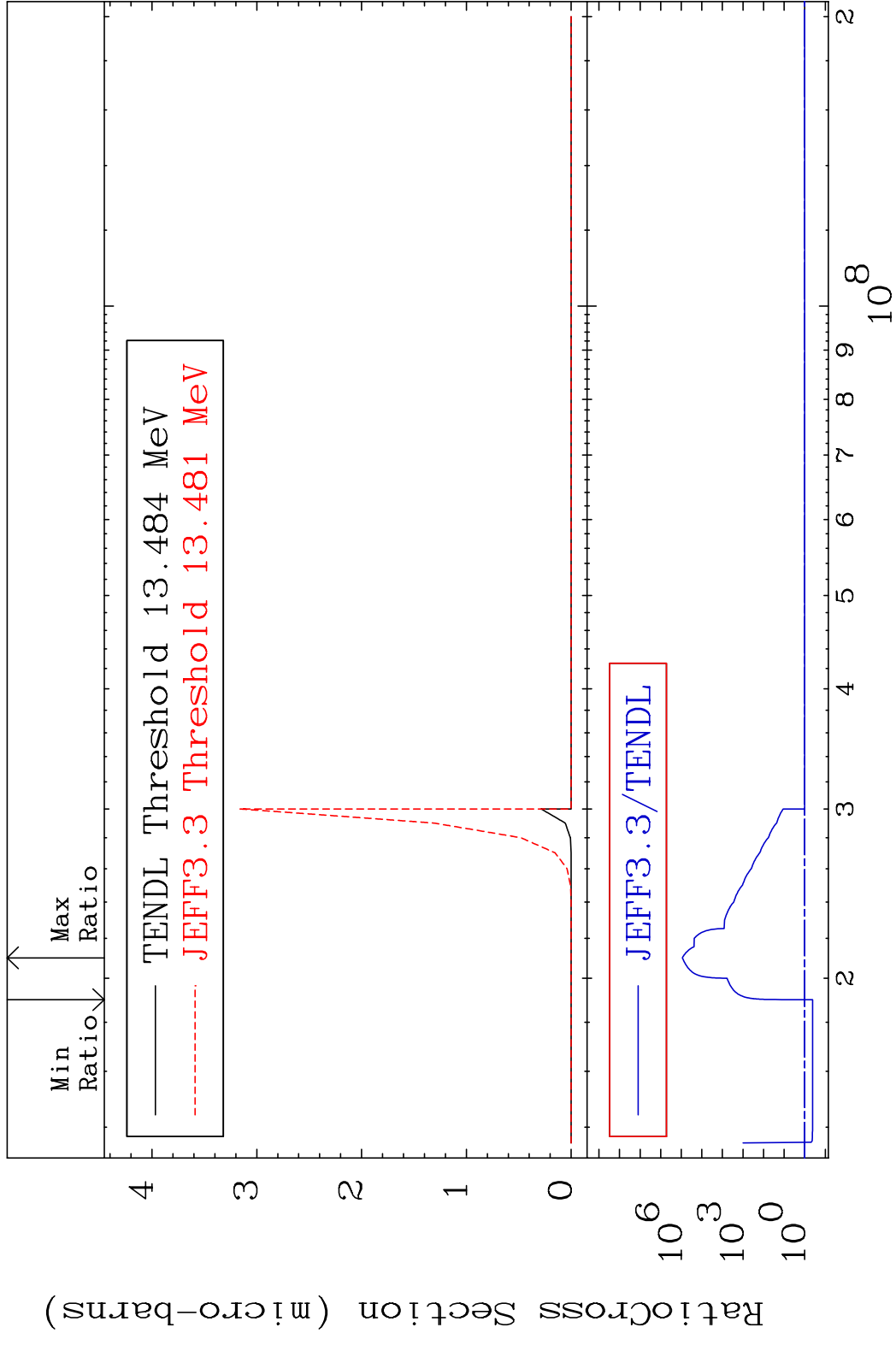


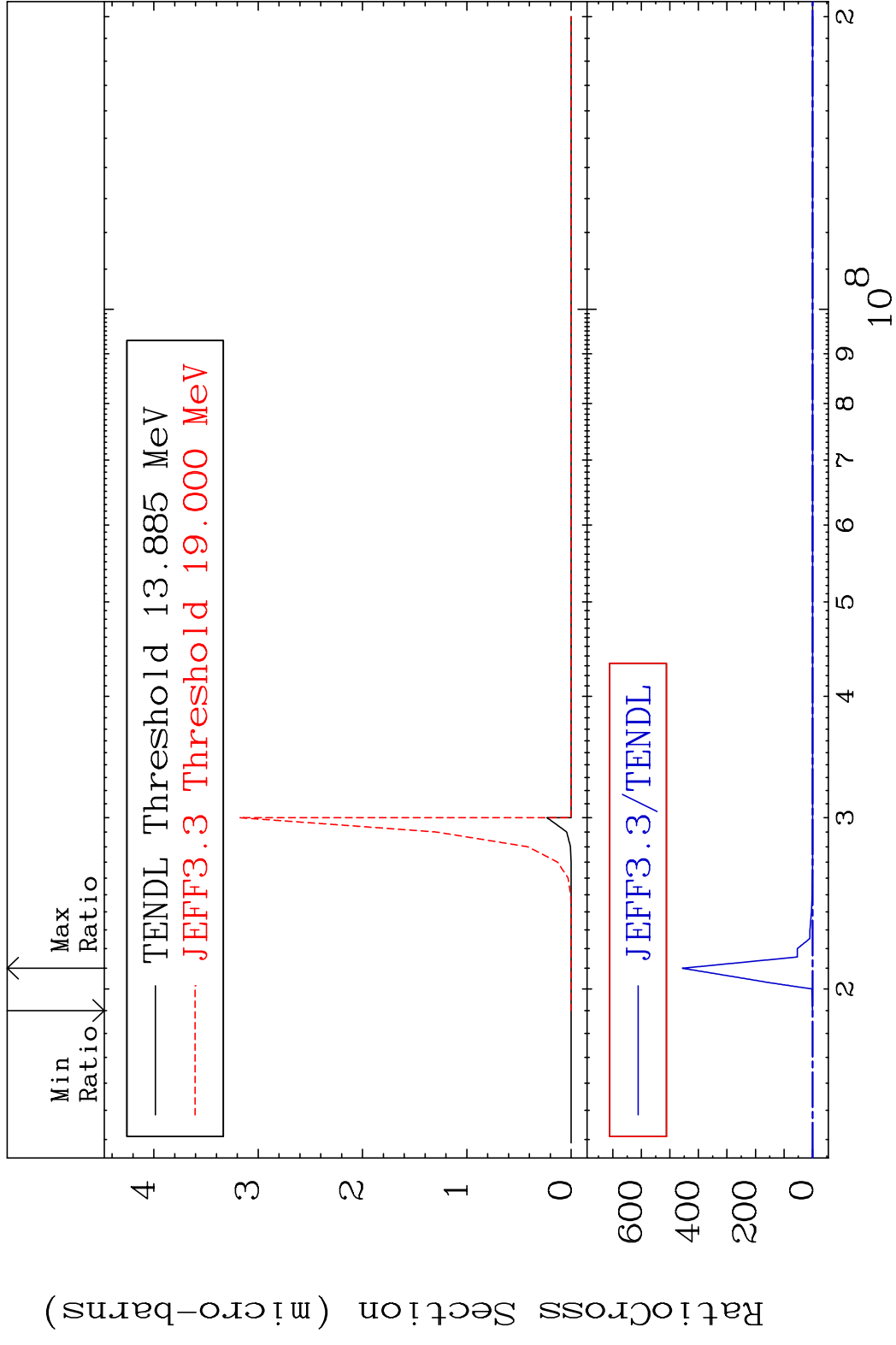
72 Incident Energy (eV) 80-Hg-203





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. %

