

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

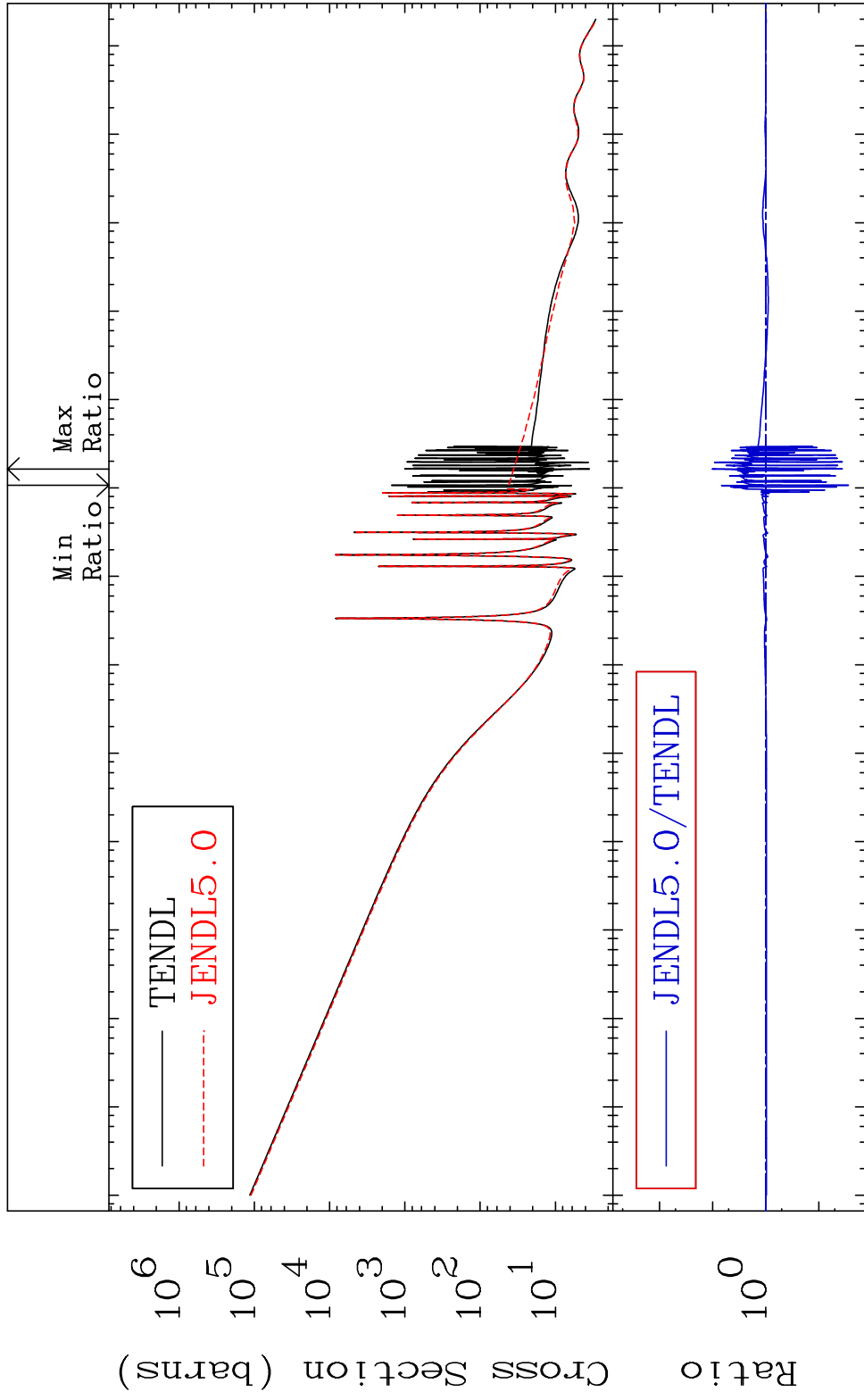
MAT 8034

Total

80-Hg-199

Cross Section

-97.23 To 913.3 %



1

Incident Energy (eV)

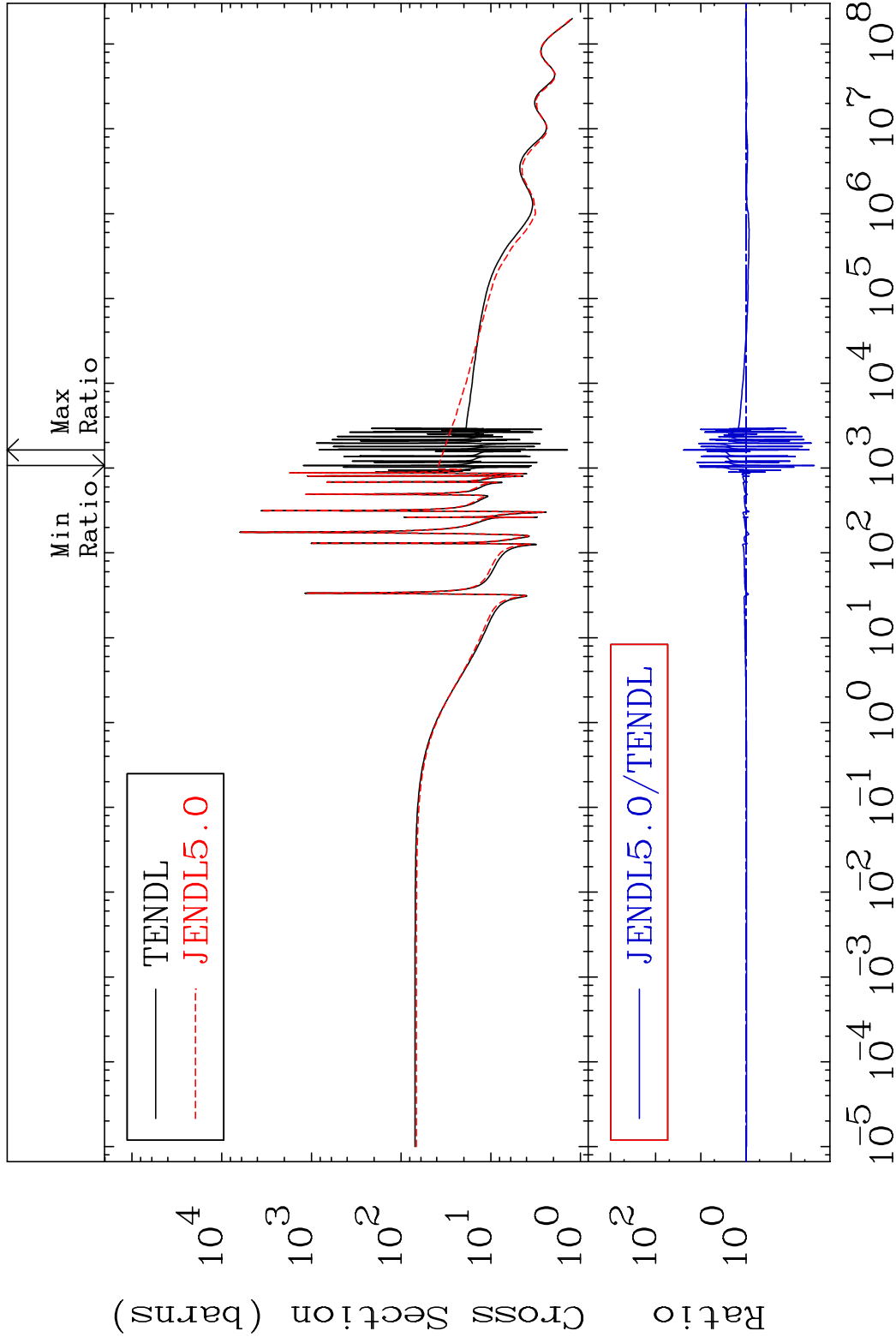
80-Hg-199

MAT 8034

Elastic

80-Hg-199

Cross Section -96.89 To 2294. %

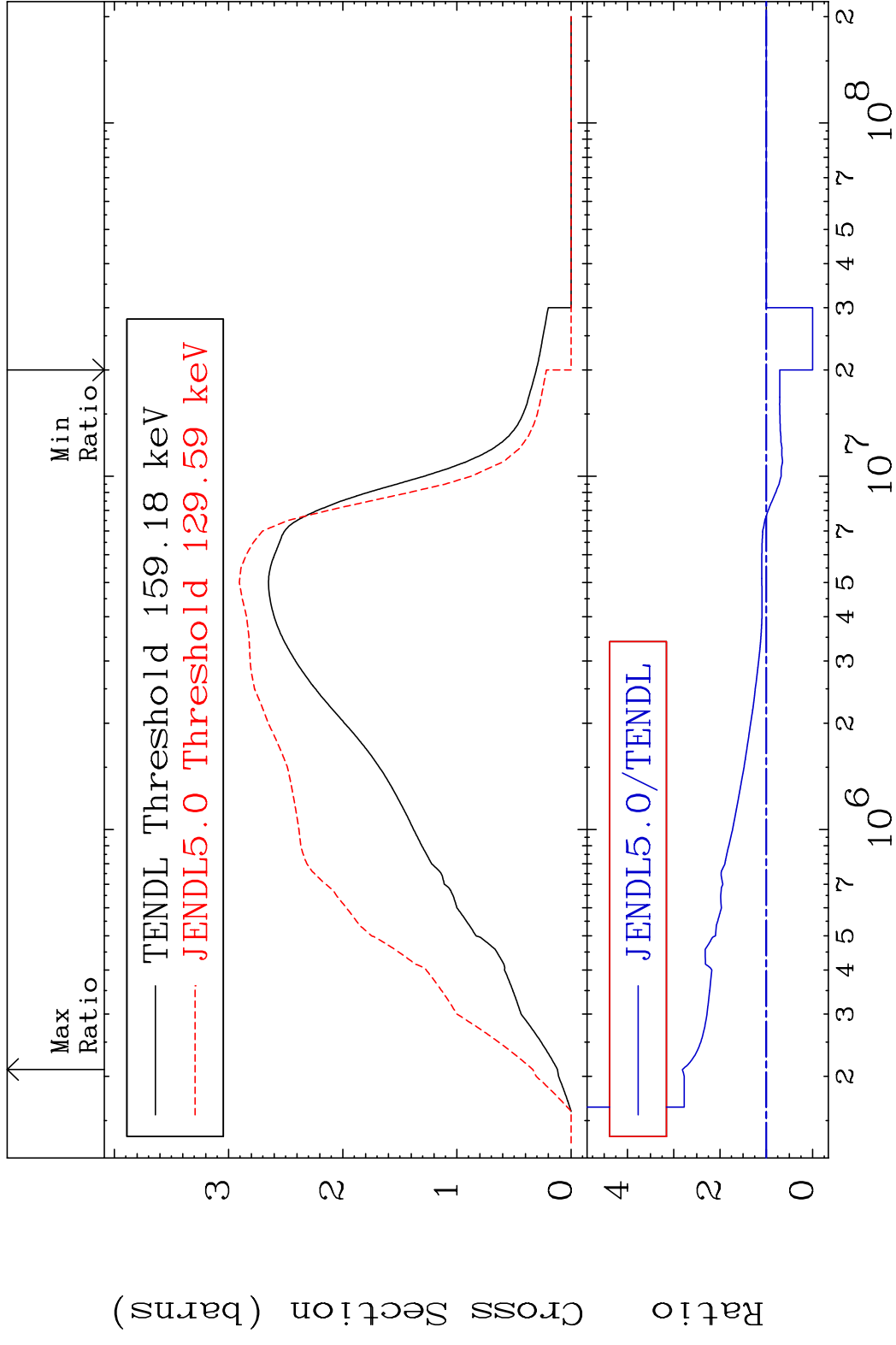


2

Incident Energy (eV)

80-Hg-199

MAT 8034 Inelastic 80-Hg-199
 Cross Section -100.0 To 181.2 %



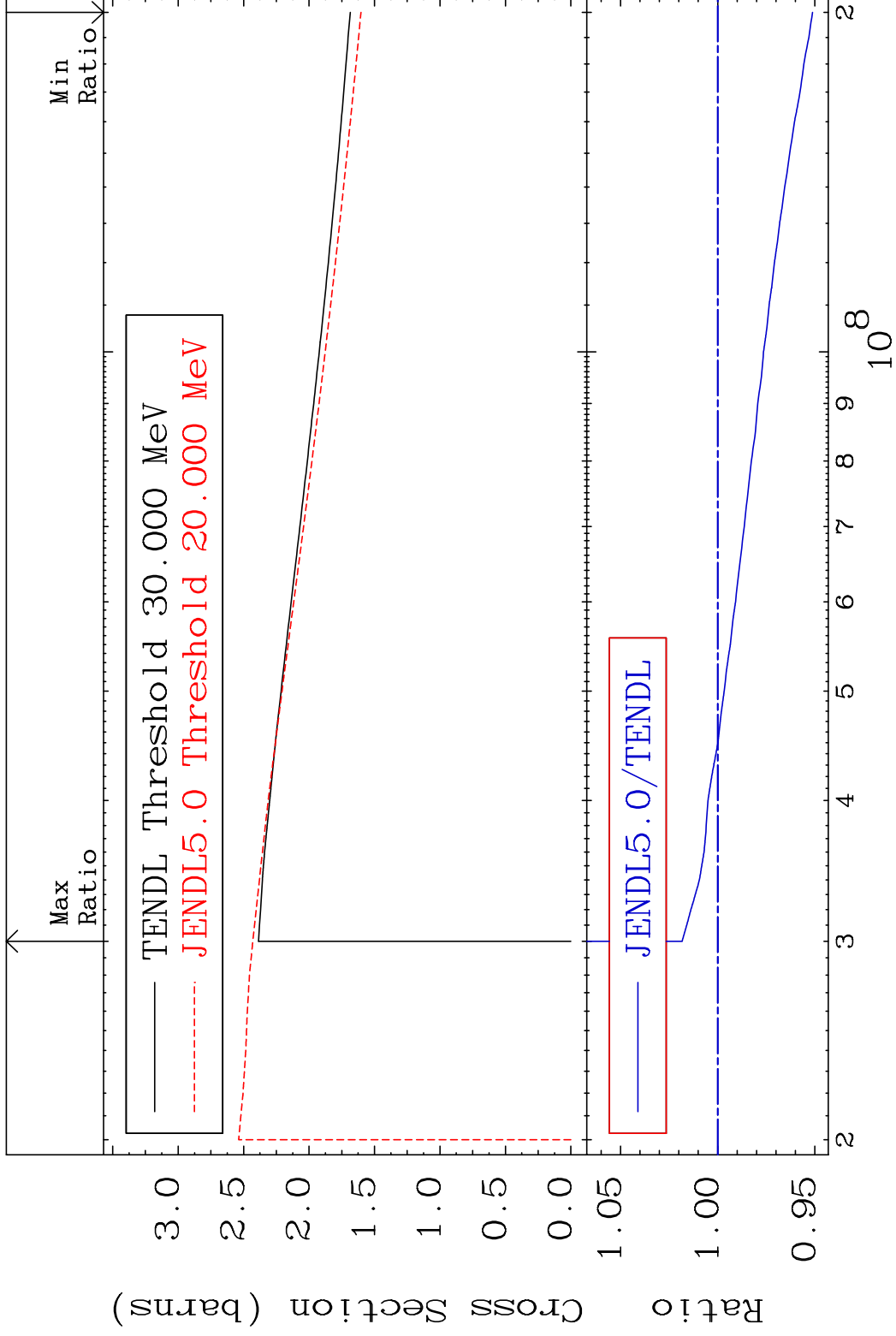
3 Incident Energy (eV) 80-Hg-199

MAT 8034

(n, remainder)

80-Hg-199

Cross Section -4.877 To 1.829 %



4

Incident Energy (eV)

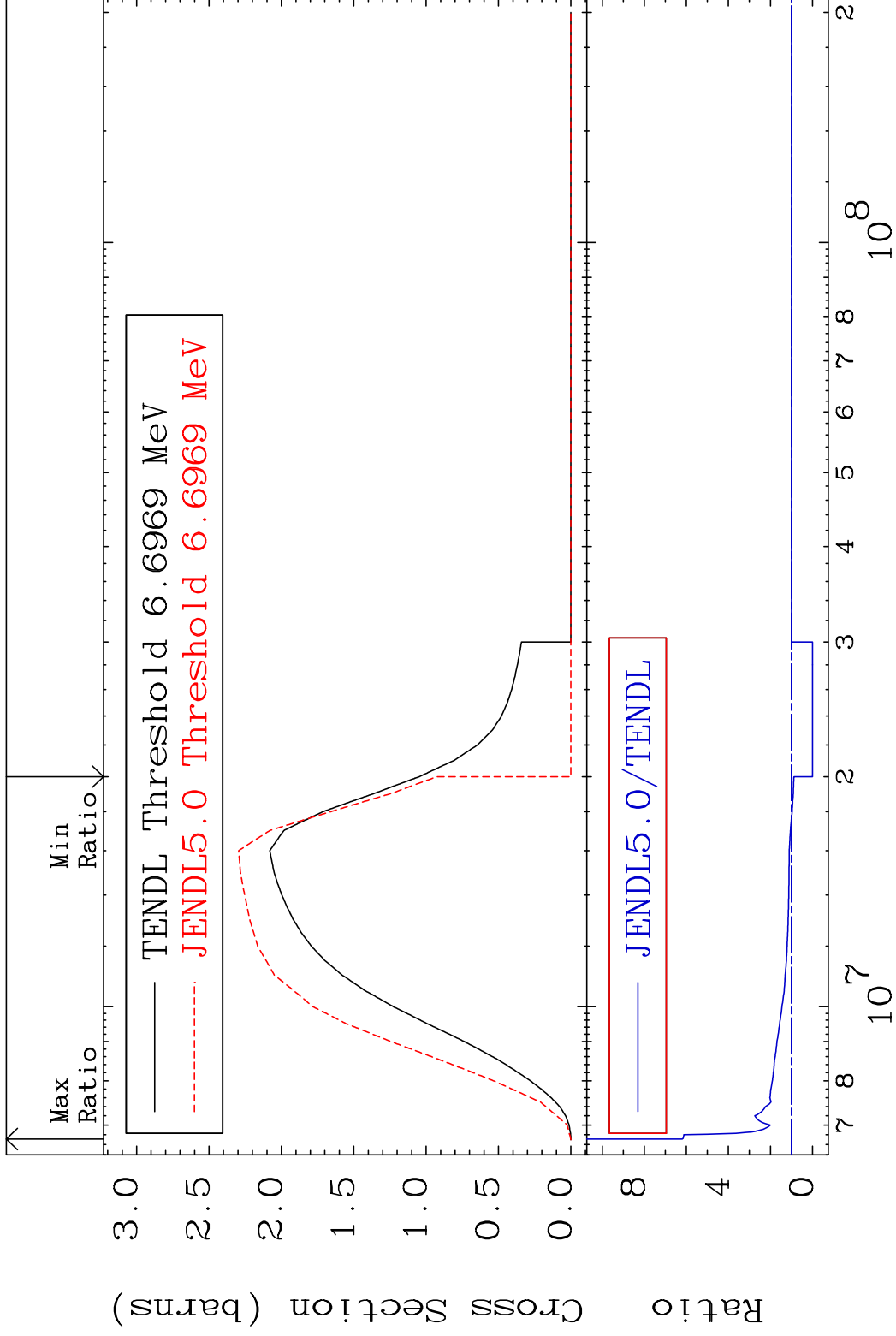
80-Hg-199

MAT 8034

(n,2n)

80-Hg-199

Cross Section -100.0 To 519.9 %

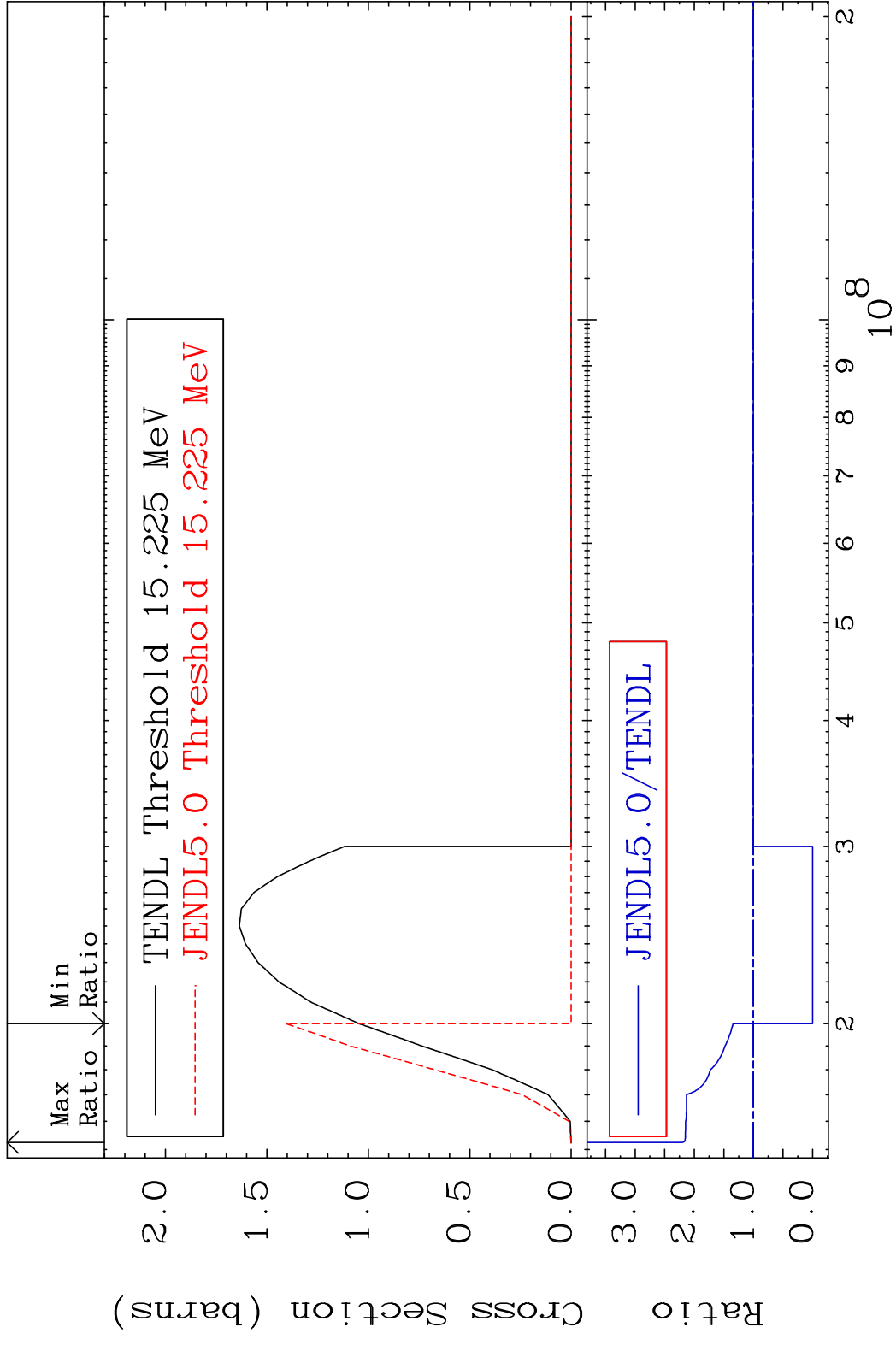


5

Incident Energy (eV)

80-Hg-199

MAT 8034 (n,3n) 80-Hg-199
 Cross Section -100.0 To 120.1 %

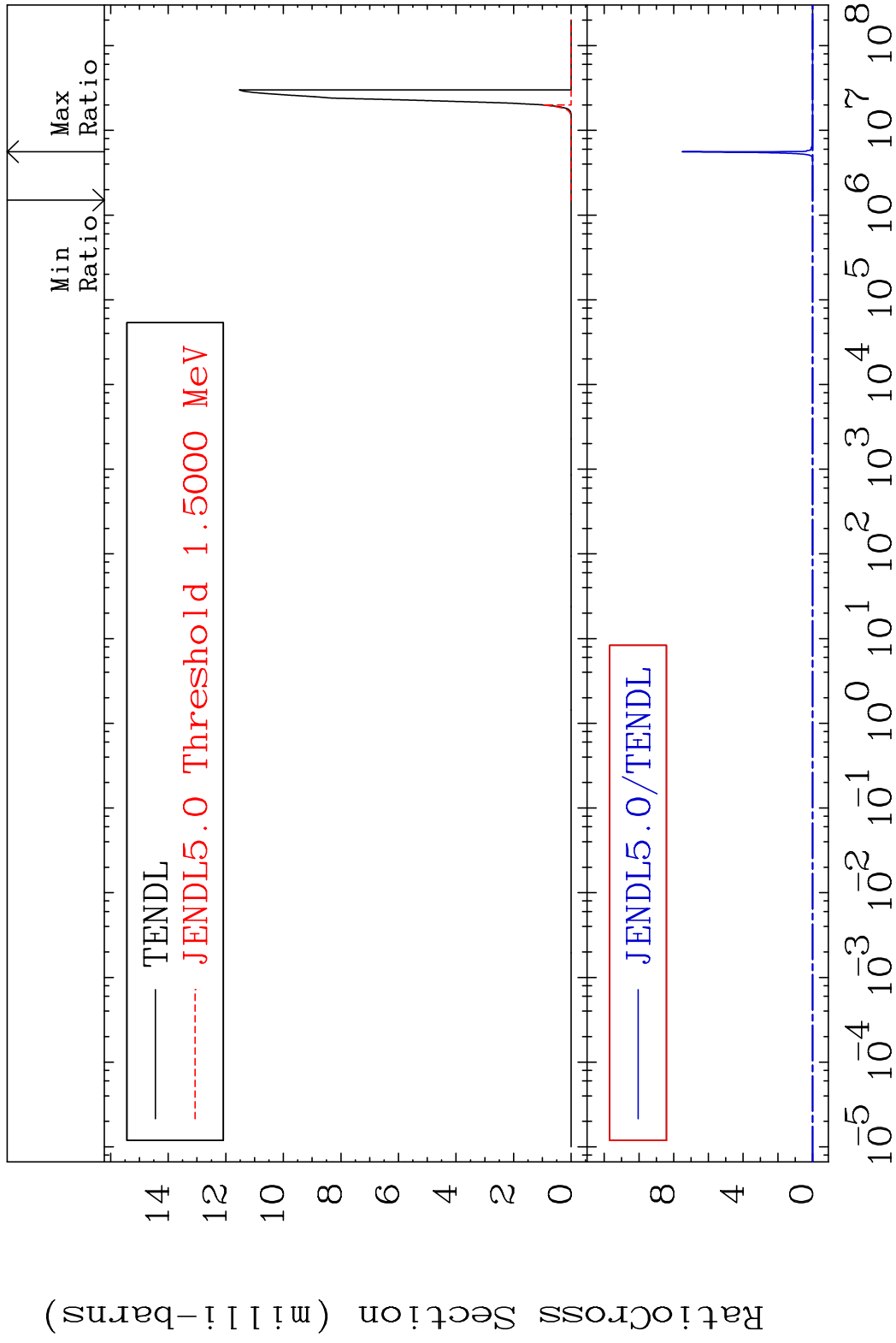


MAT 8034

(n, n') α

80-Hg-199

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

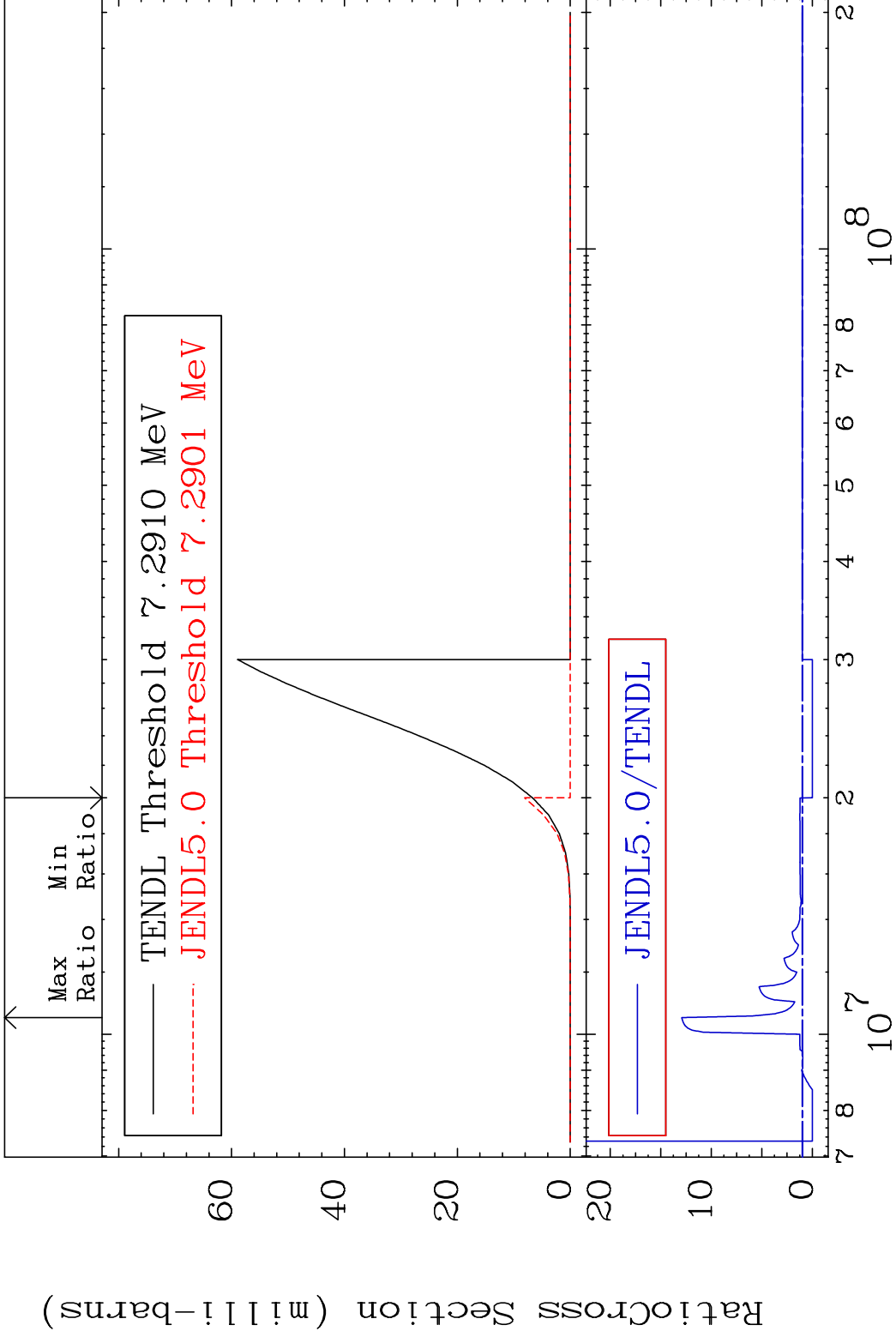
80-Hg-199

MAT 8034

(n, n') p

80-Hg-199

Cross Section -100.0 To 1193. %



8

Incident Energy (eV)

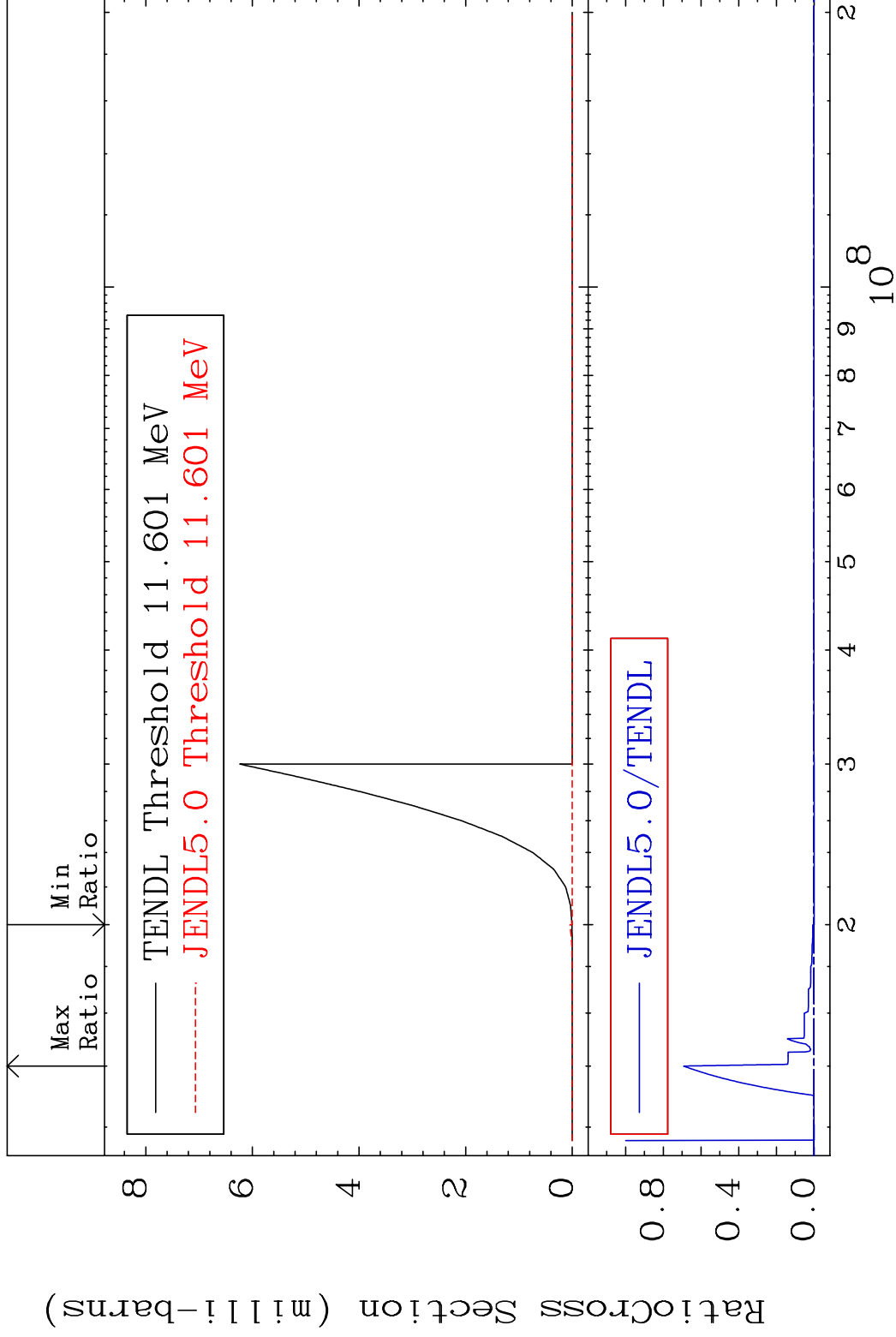
80-Hg-199

MAT 8034

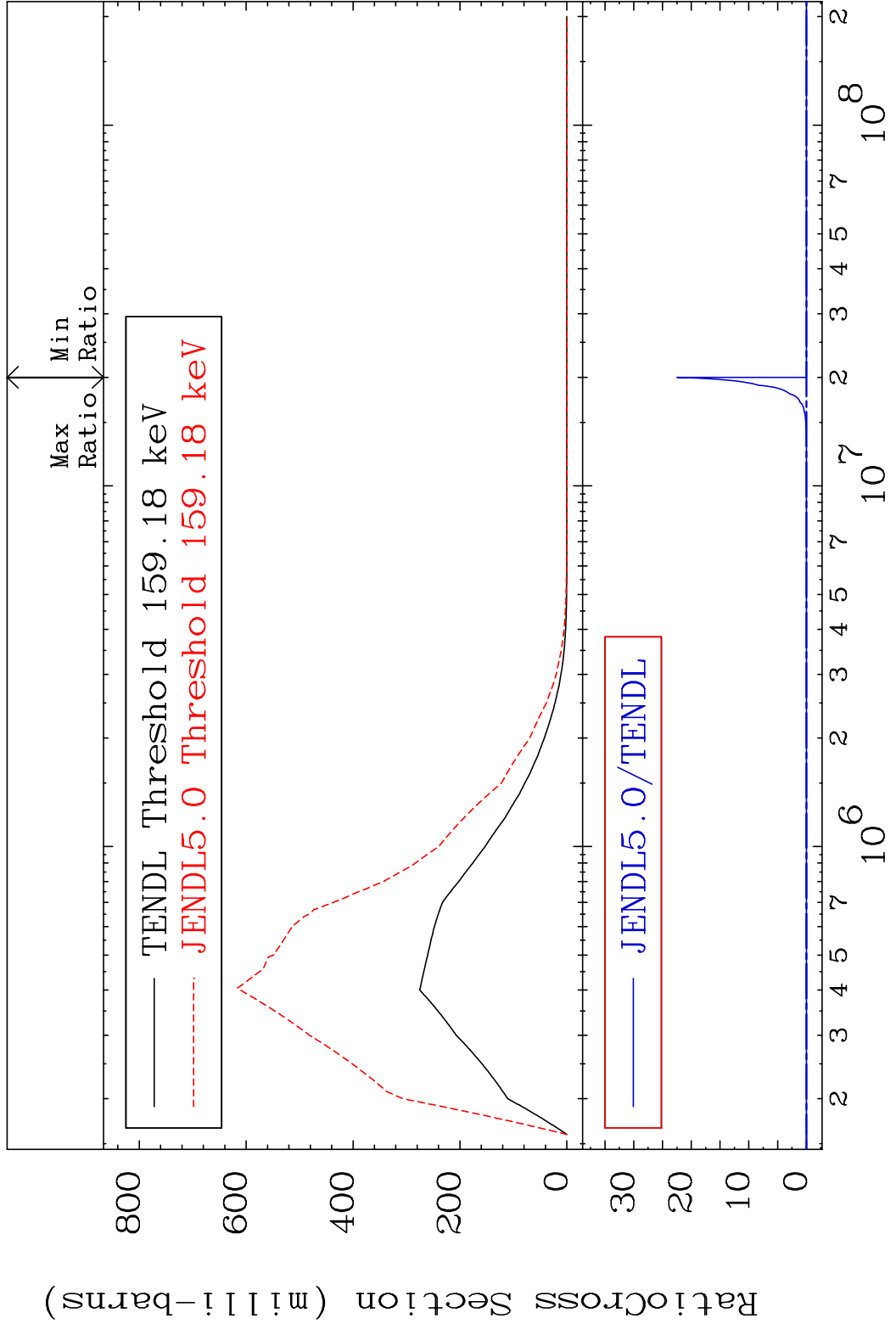
(n, n') d

80-Hg-199

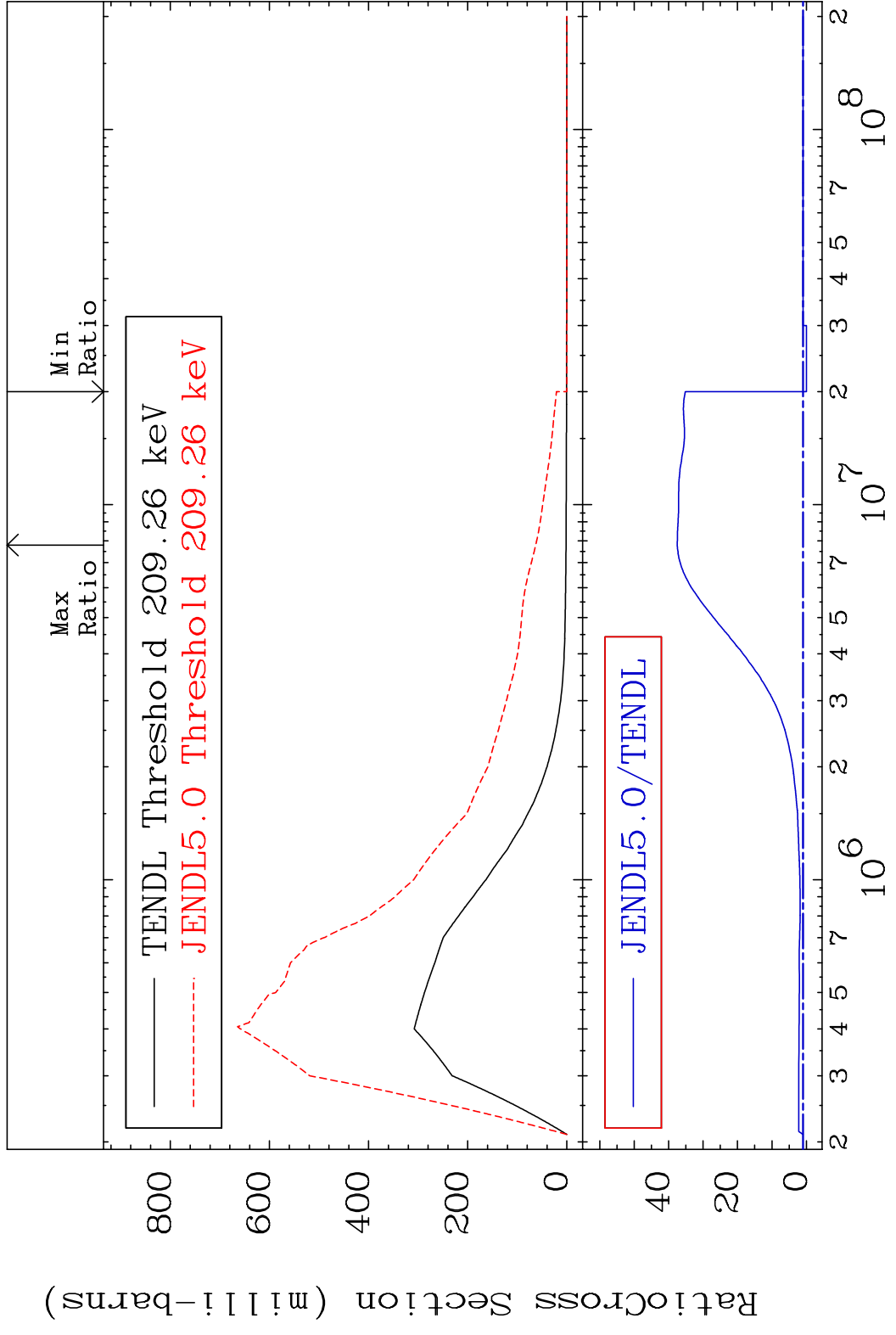
Cross Section -100.0 To 9999. %



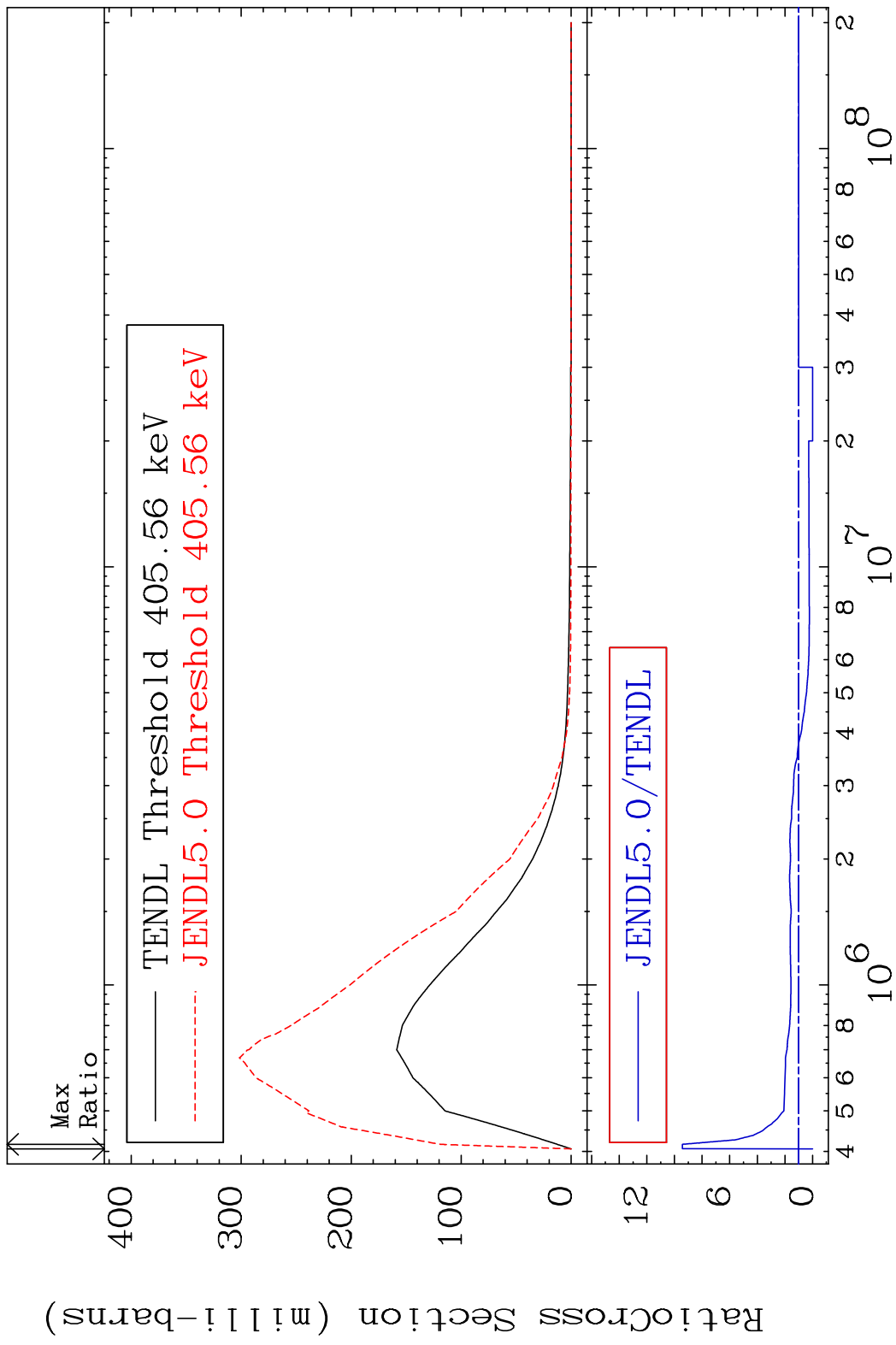
MAT 8034 MT= 51 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



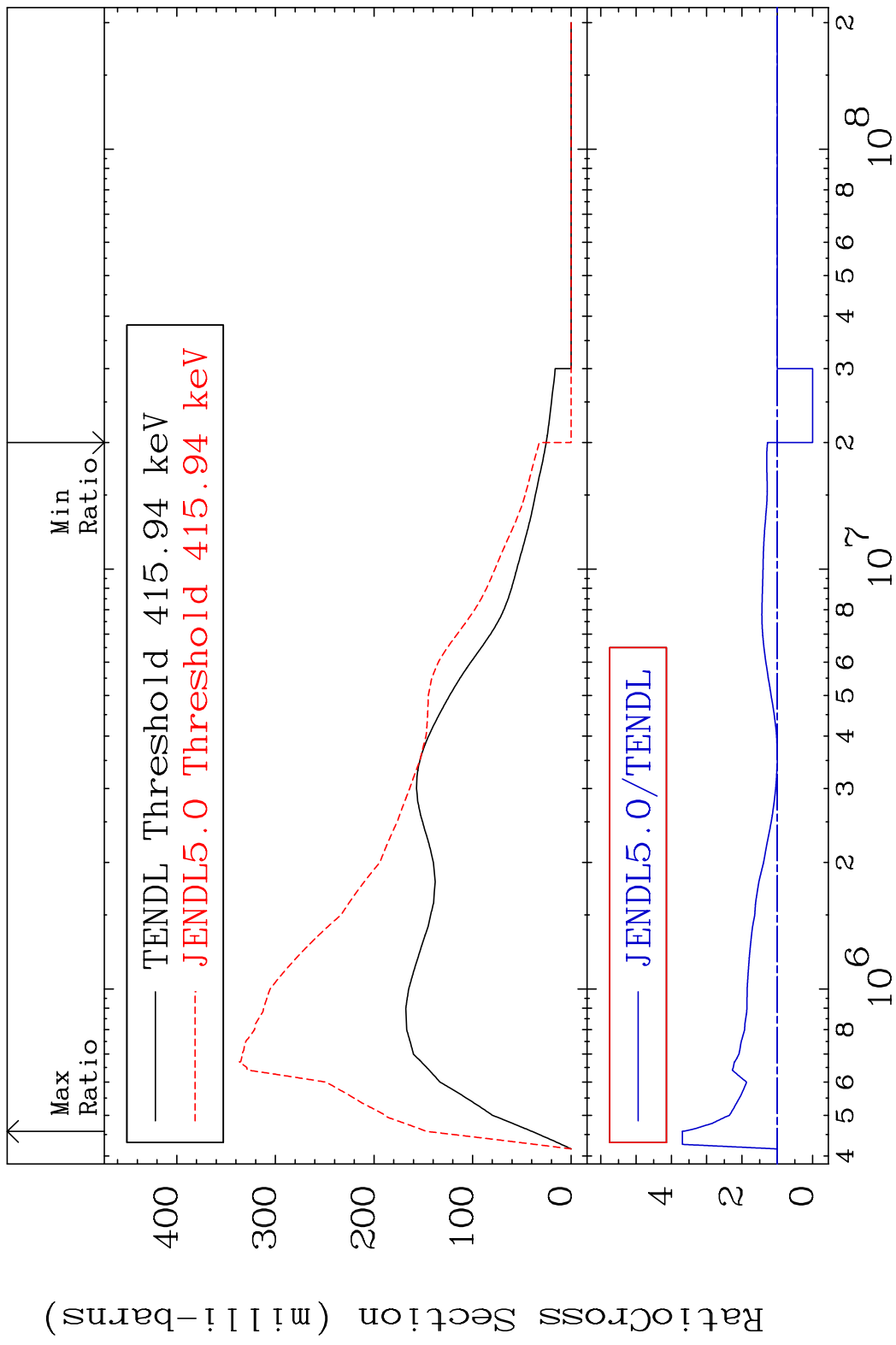
MAT 8034 MT= 52 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 3651. %



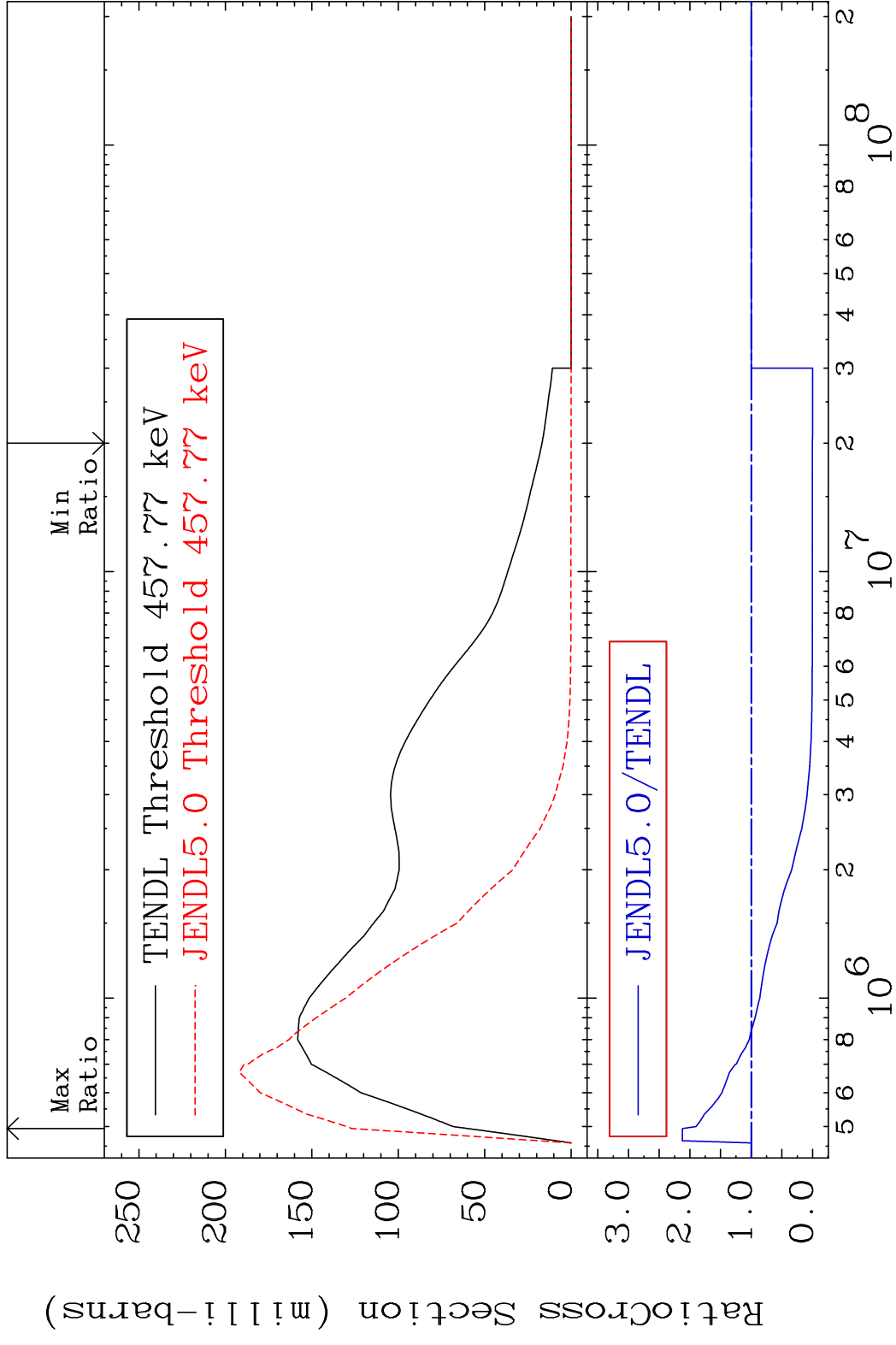
MAT 8034 MT= 53 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 842.8 %



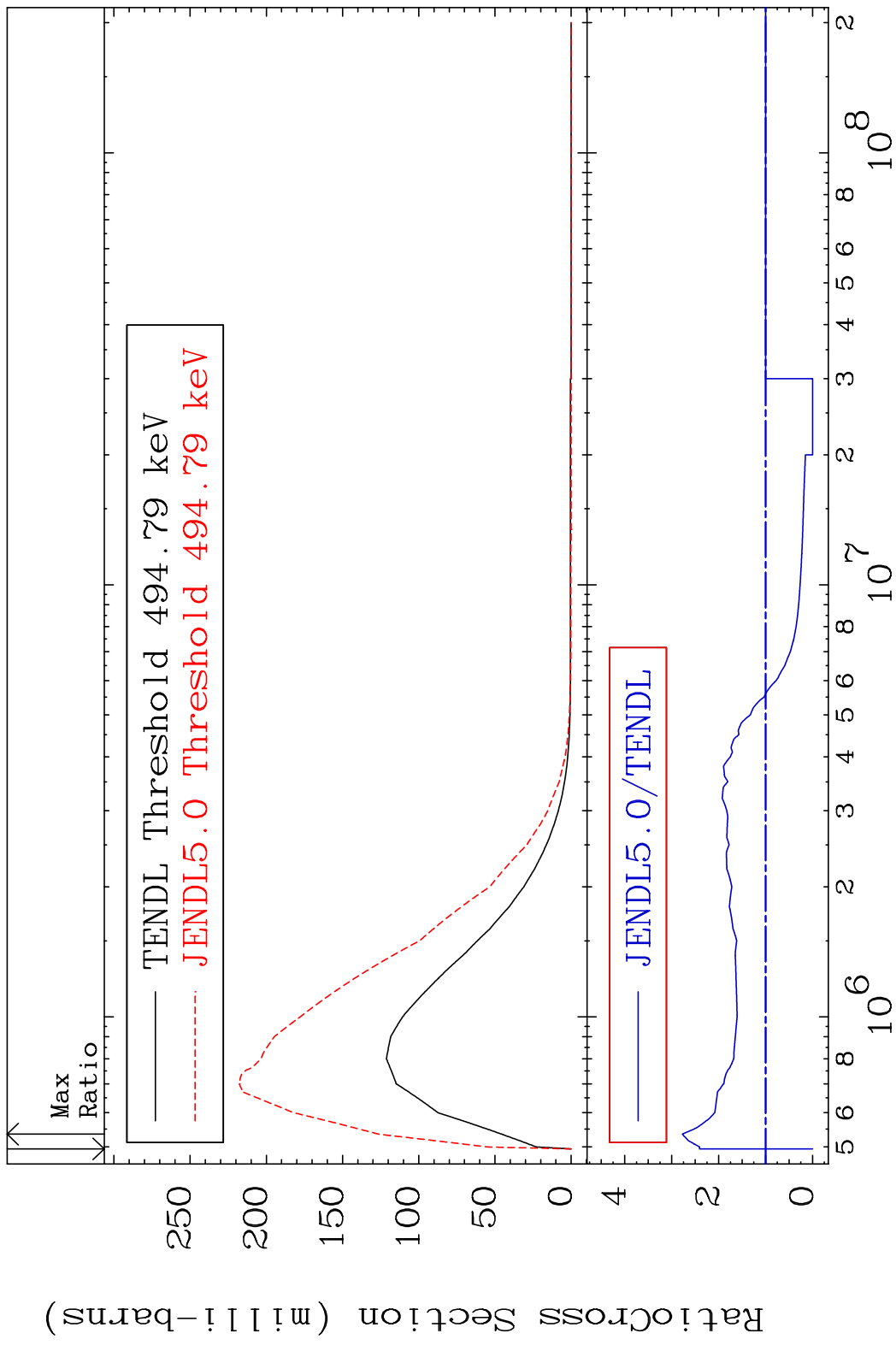
MAT 8034 MT= 54 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 268.9 %



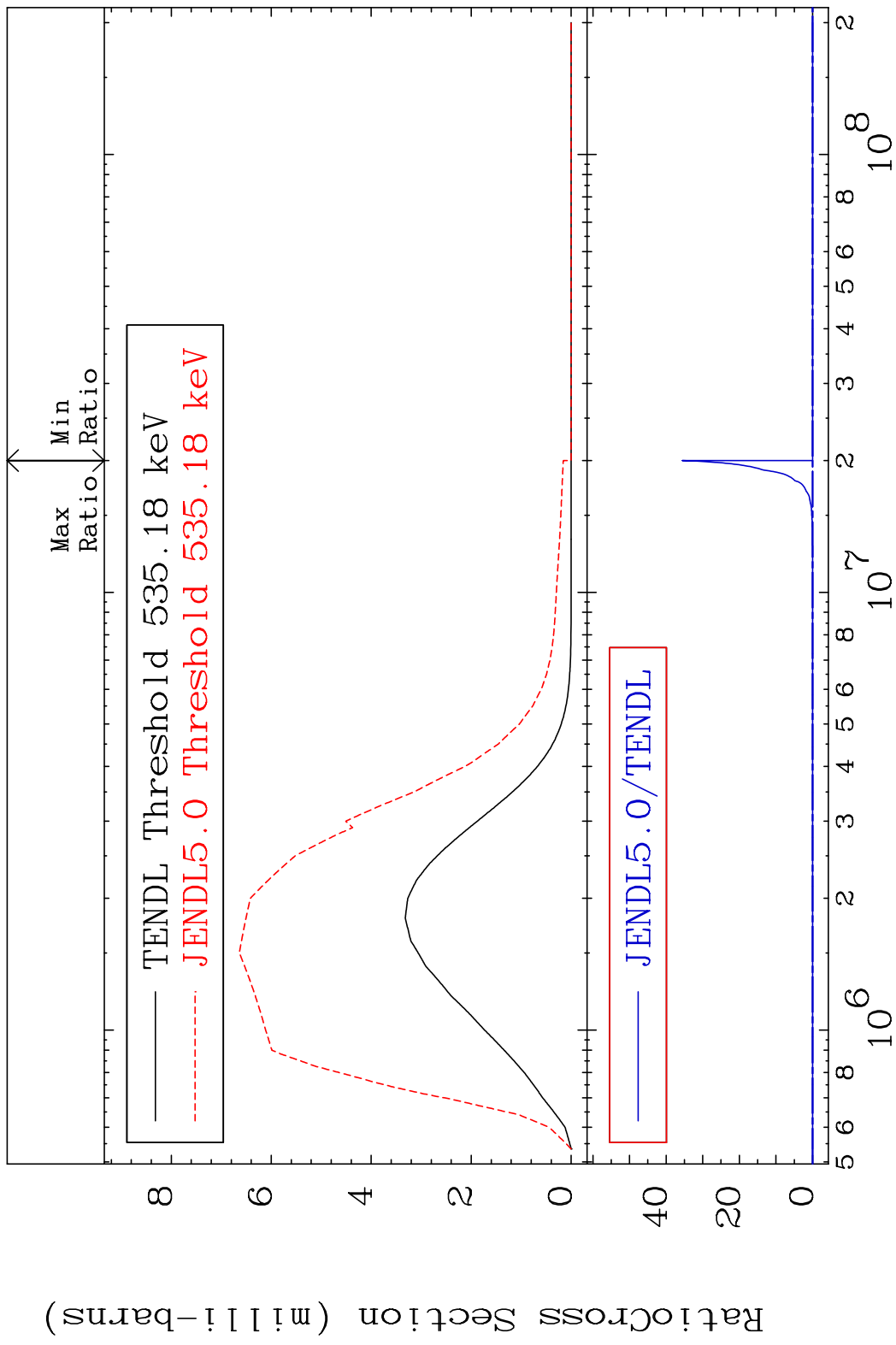
MAT 8034 MT= 55 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 112.3 %



MAT 8034 MT= 56 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 177.4 %

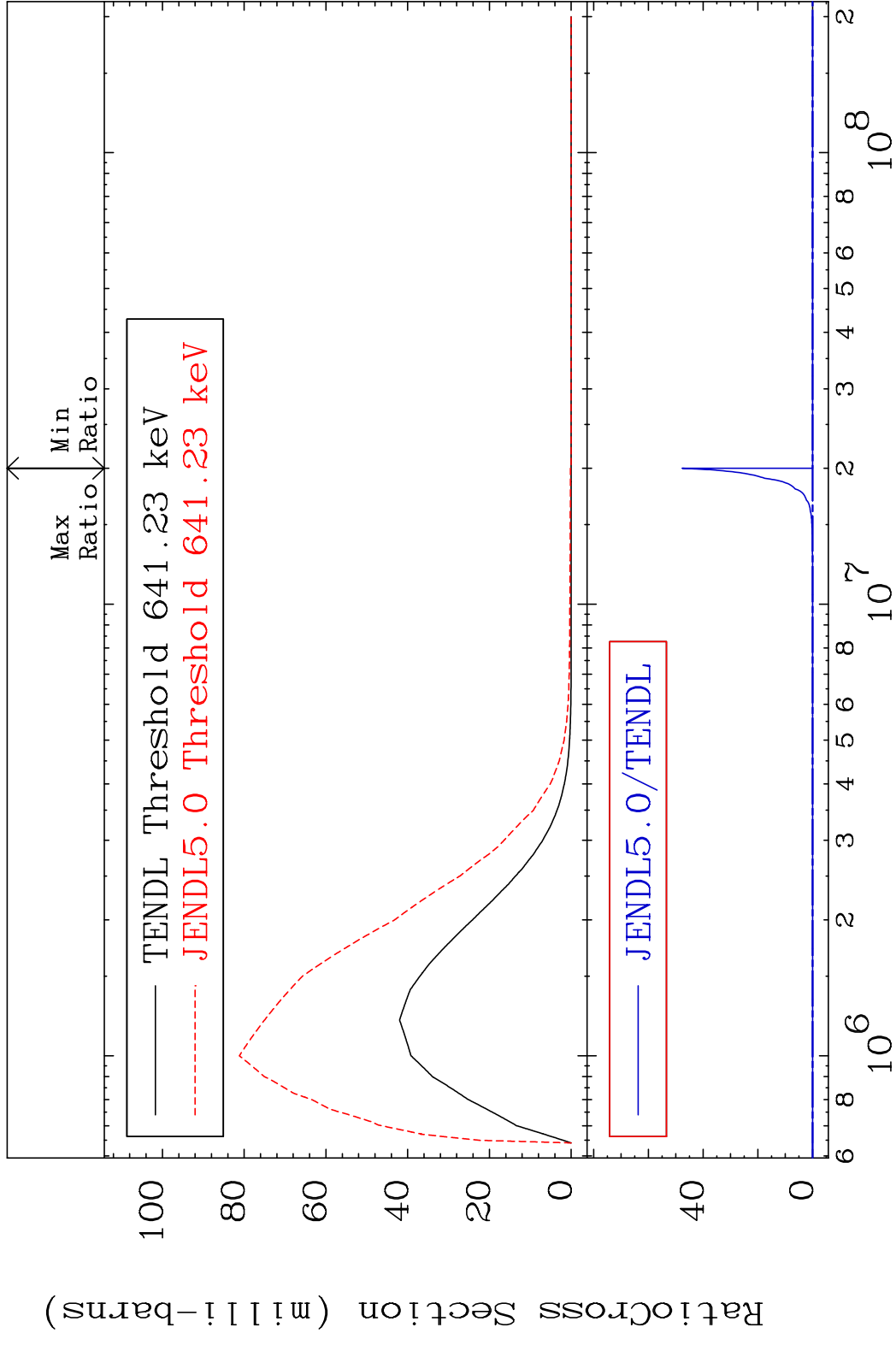


MAT 8034 MT= 57 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



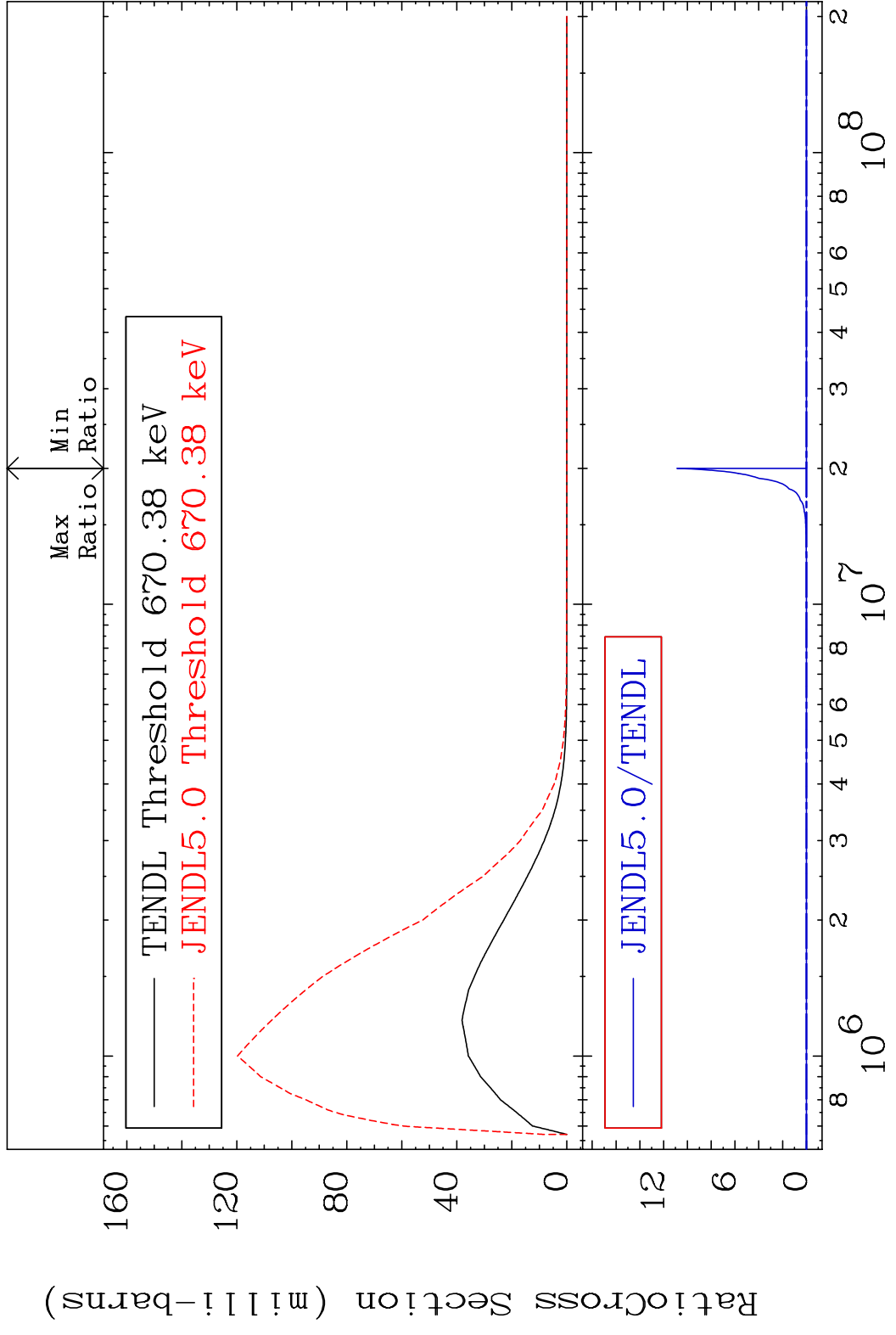
17 80-Hg-199

MAT 8034 MT= 58 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %

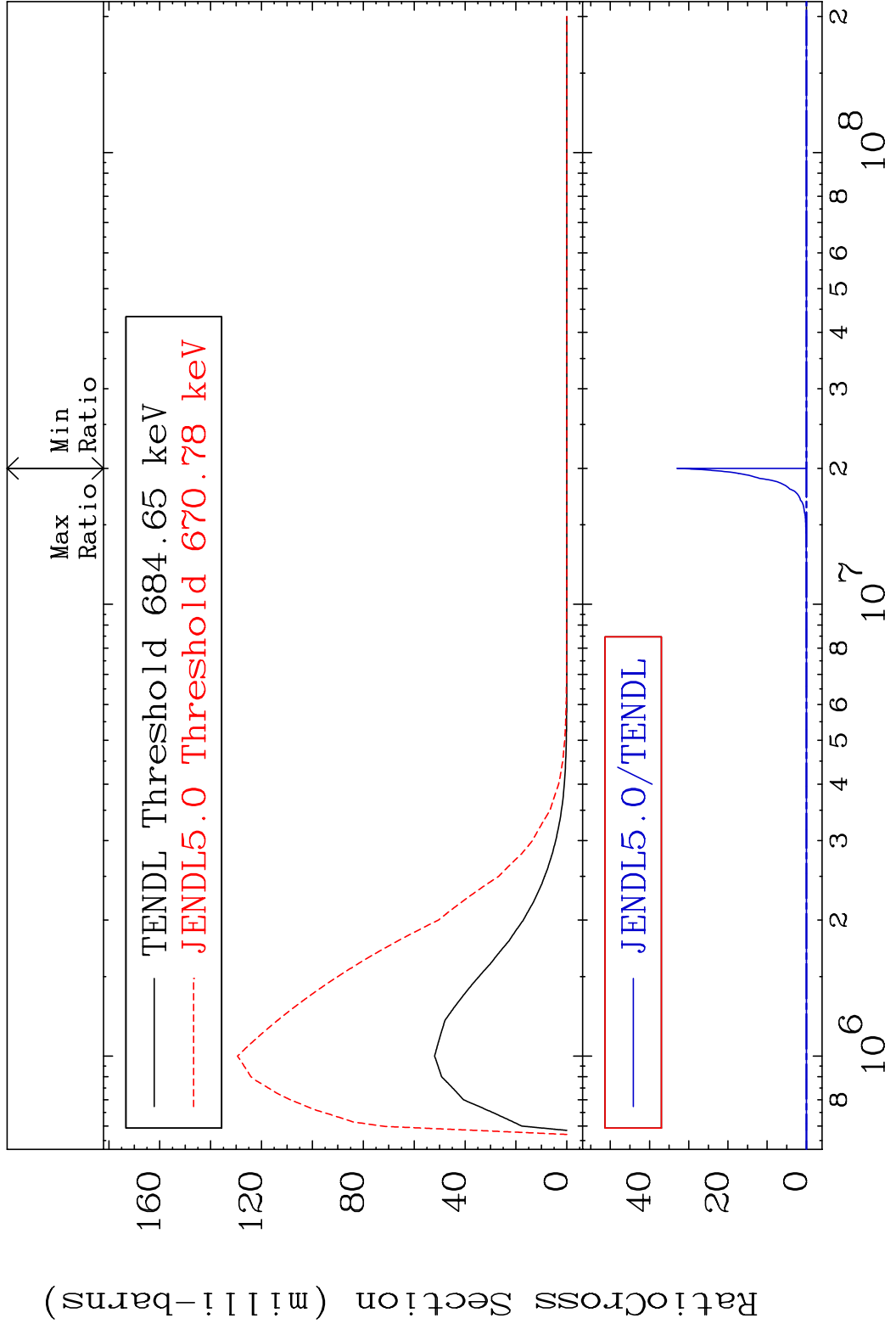


18 Incident Energy (eV) 80-Hg-199

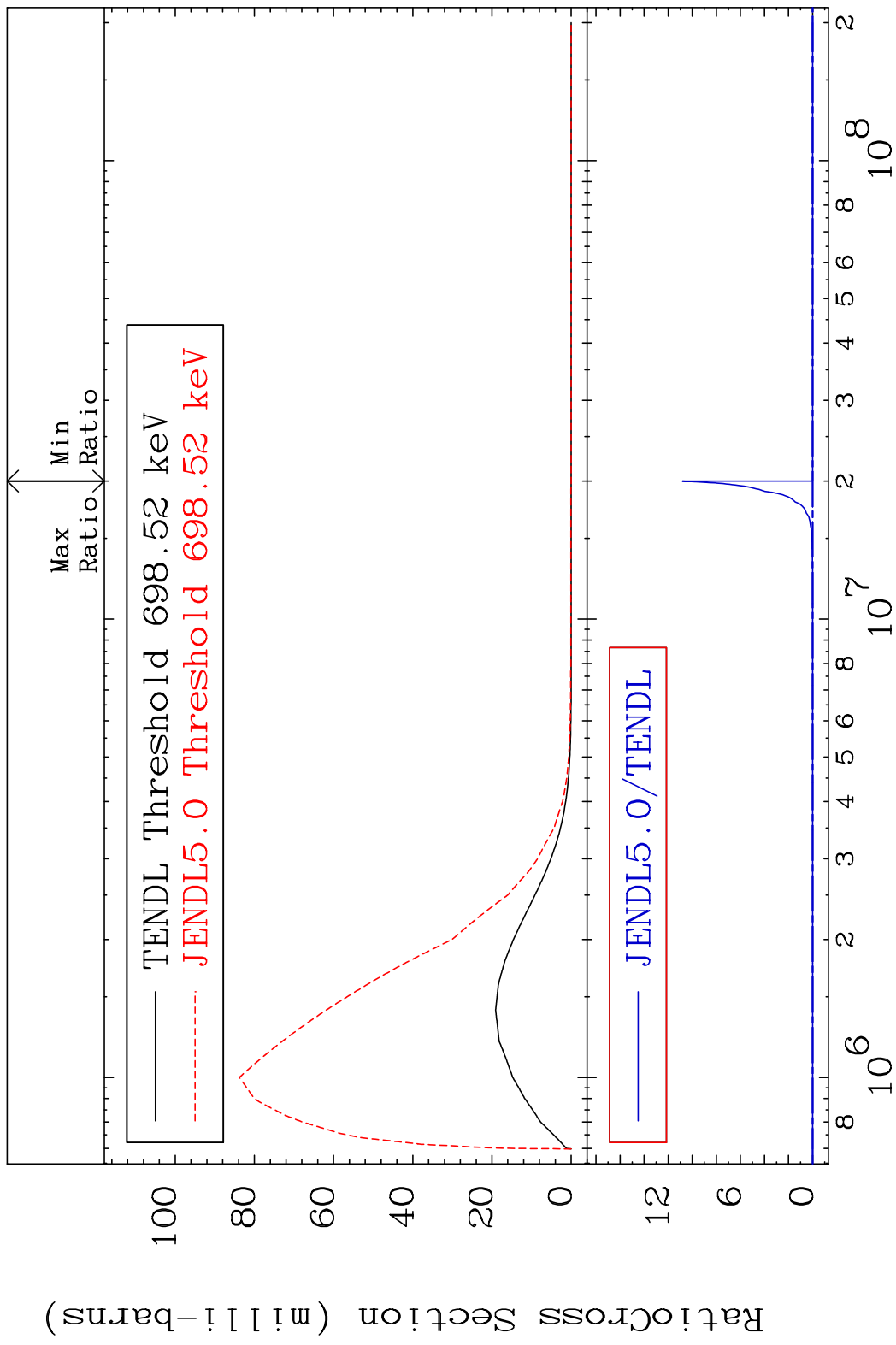
MAT 8034 MT= 59 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



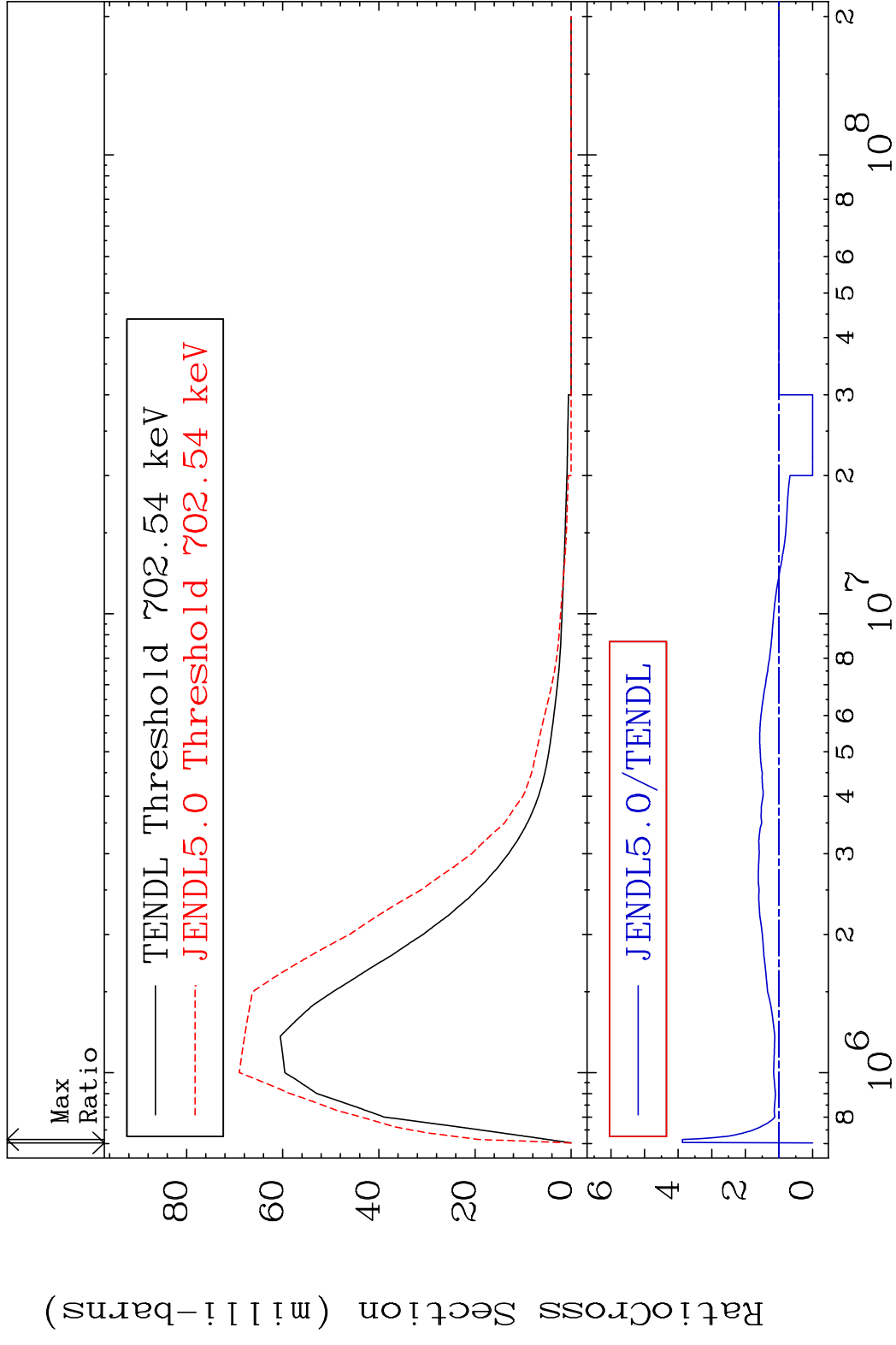
MAT 8034 MT= 60 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



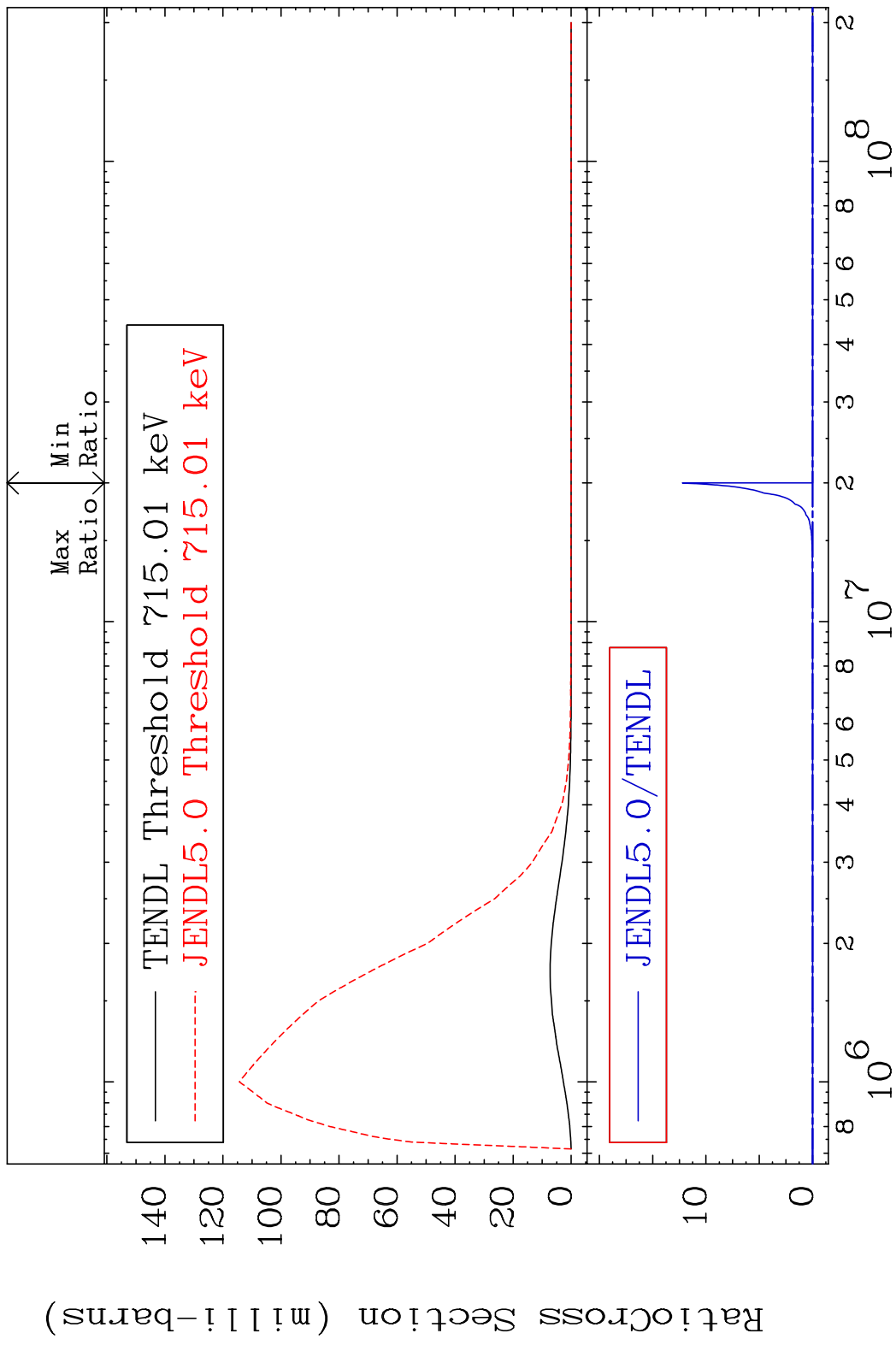
MAT 8034 MT= 61 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



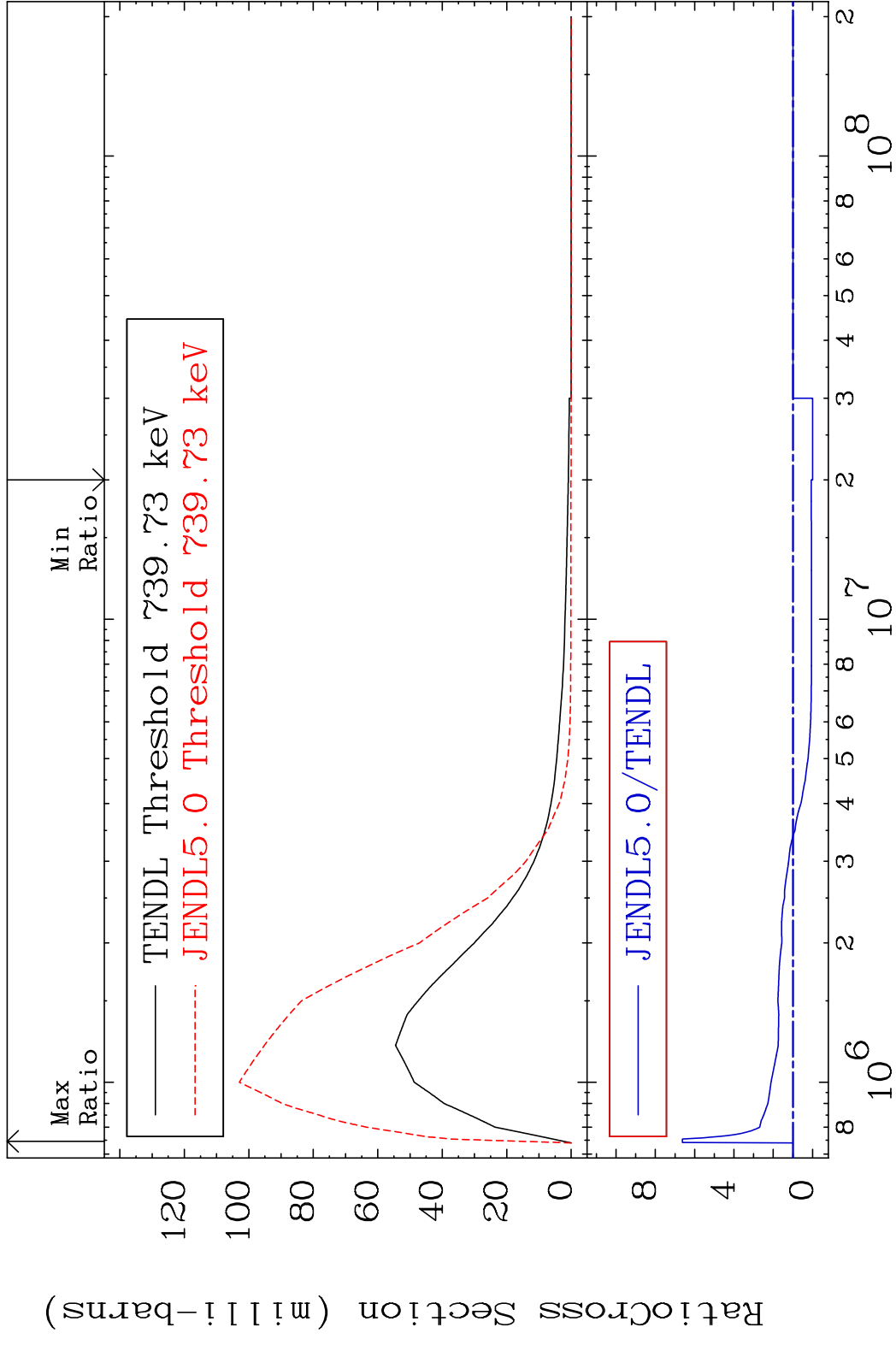
MAT 8034 MT= 62 (n,n') Level 80-Hg-199
 Cross Section -100.0 To 287.5 %



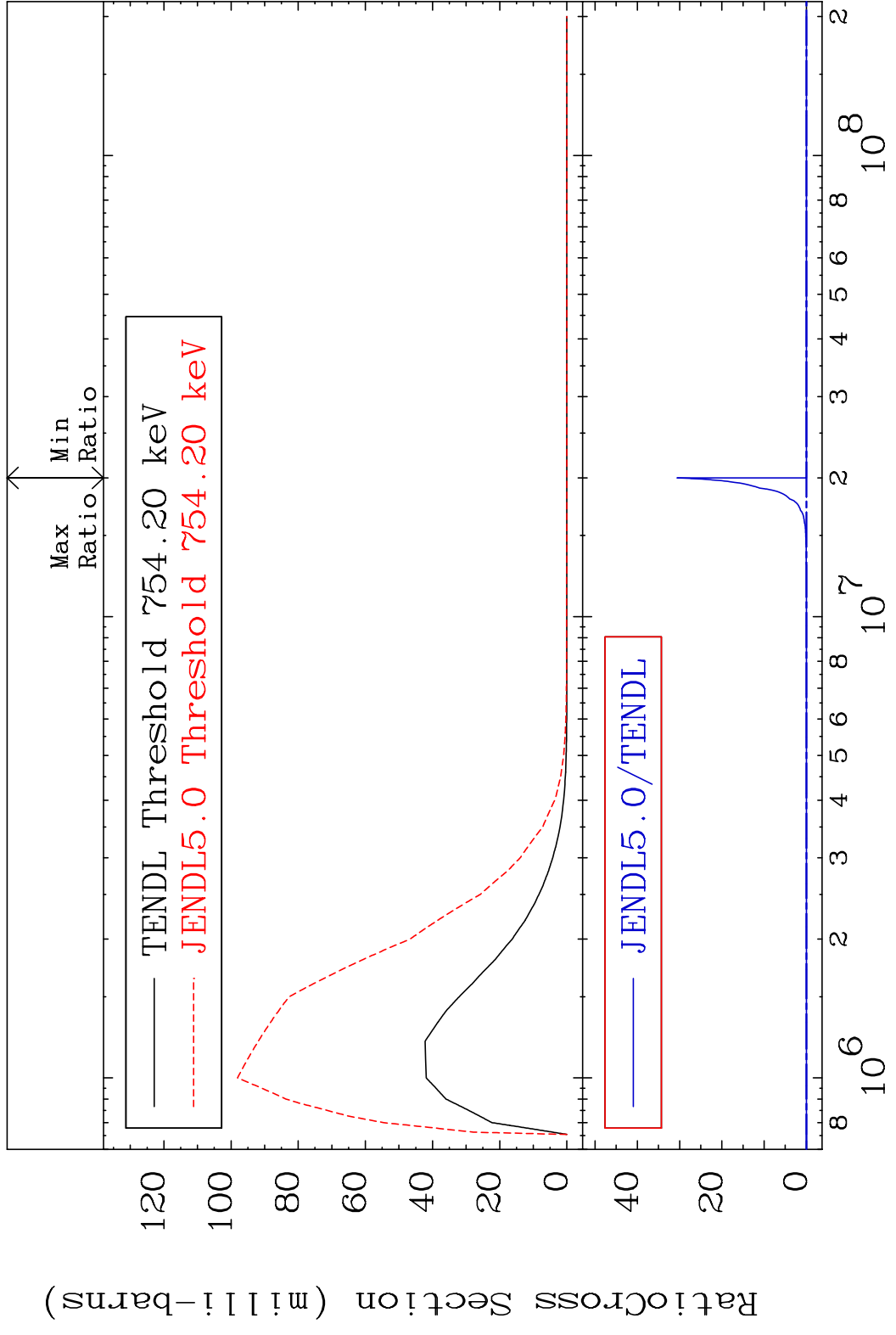
MAT 8034 MT= 63 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



MAT 8034 MT= 64 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 562.6 %

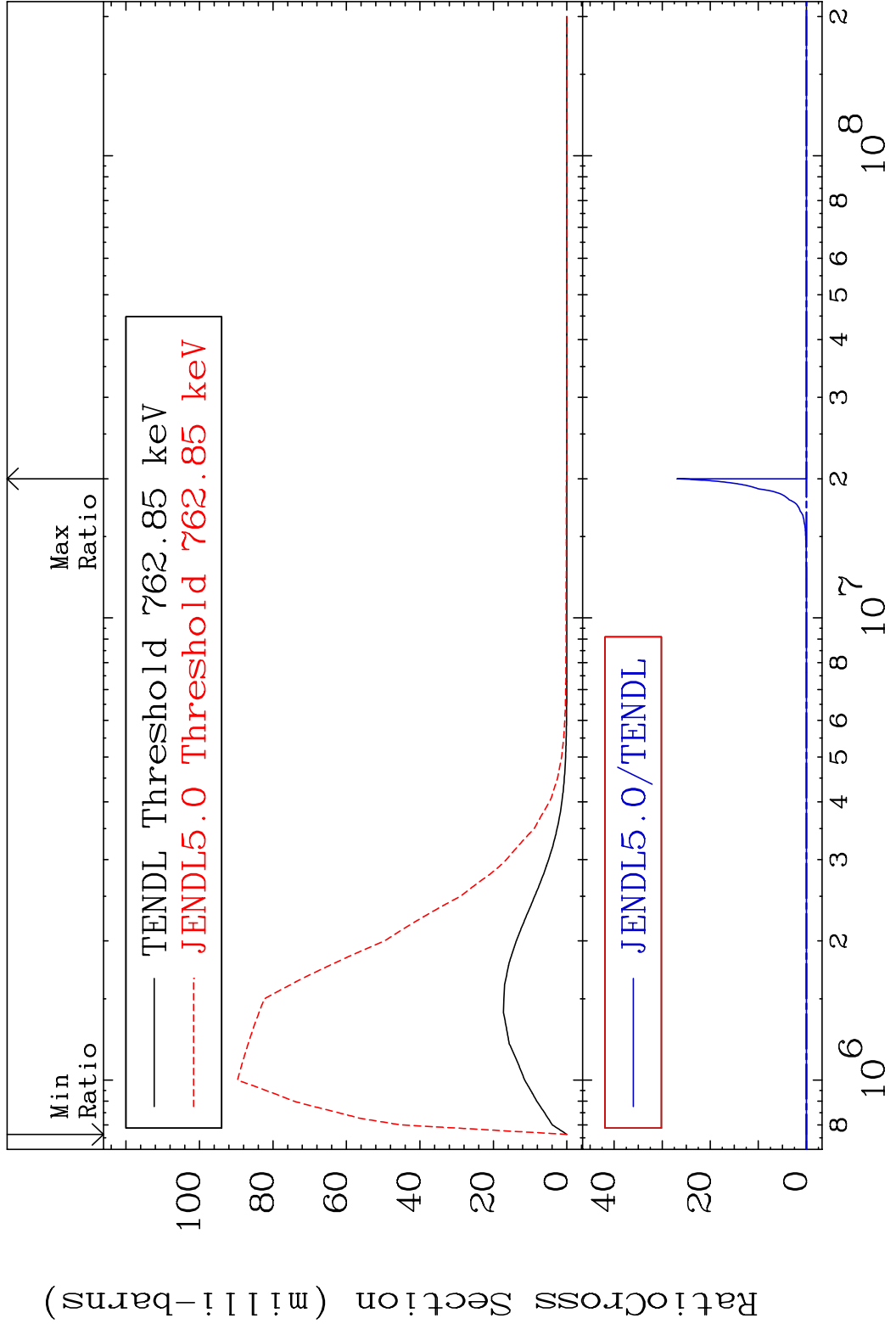


MAT 8034 MT= 65 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



25 Incident Energy (eV) 80-Hg-199

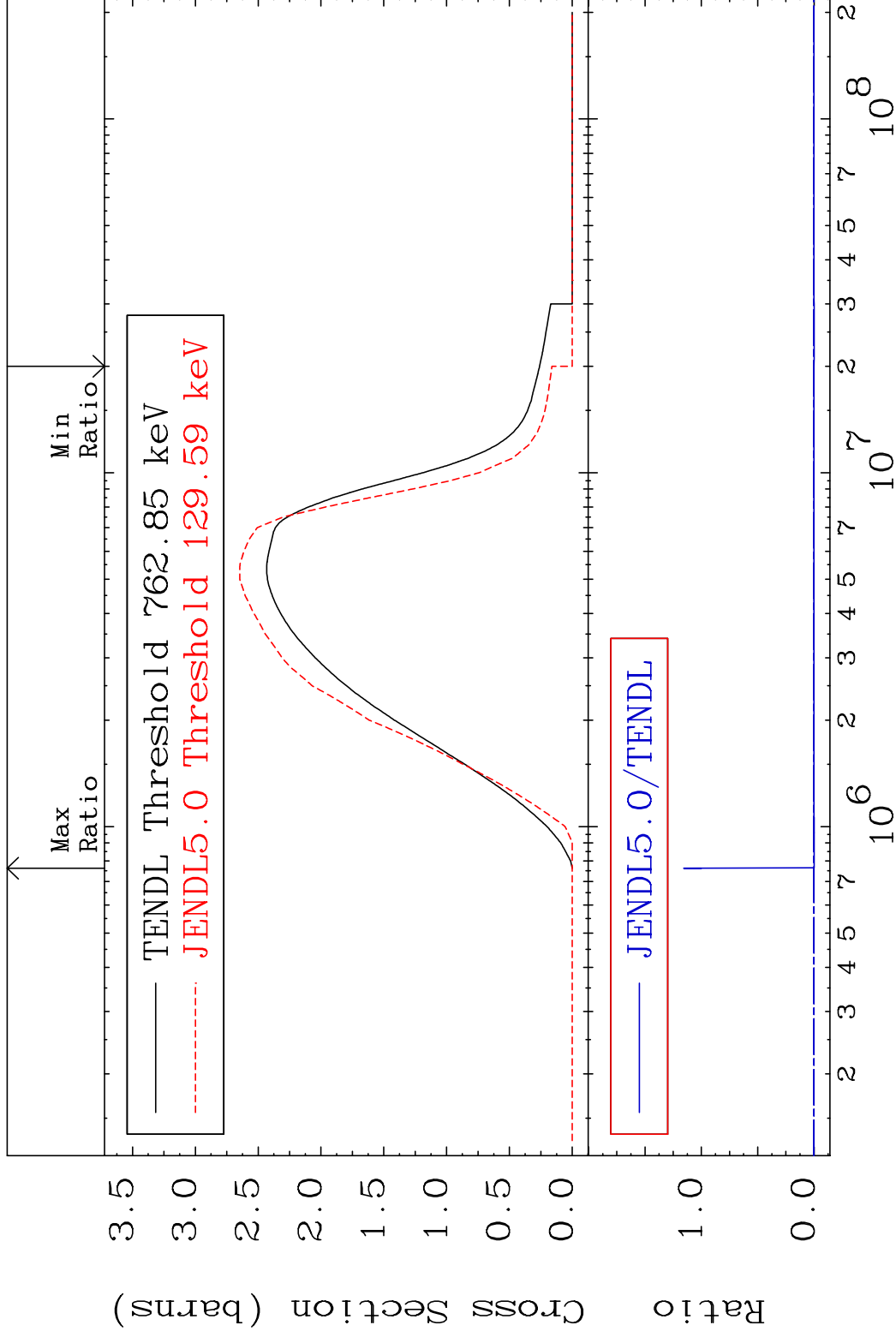
MAT 8034 MT= 66 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



MAT 8034

(n, n') Continuum
Cross Section -100.0 To 9999. %

80-Hg-199

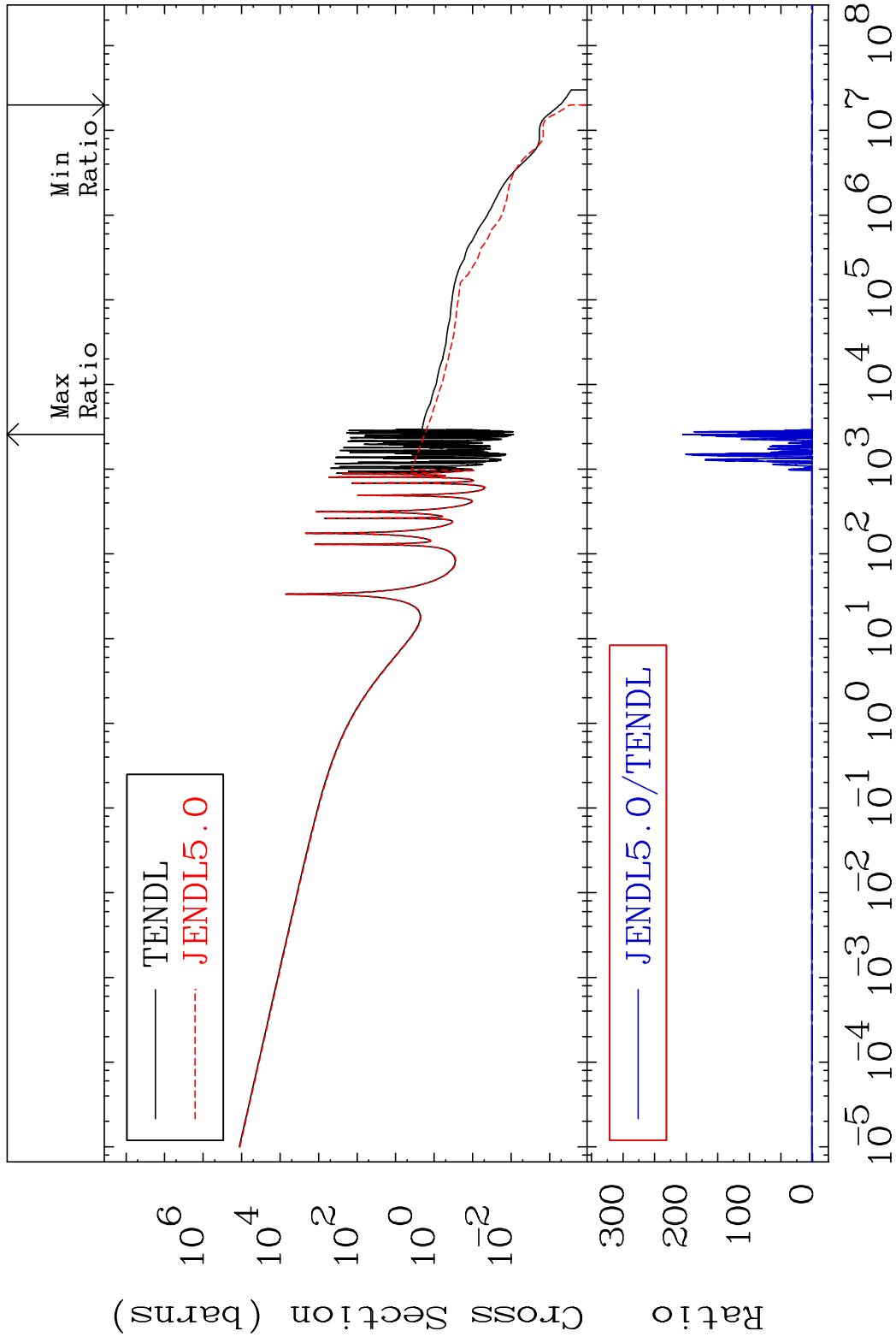


MAT 8034

(n, γ)
Cross Section

80-Hg-199

-100.0 To 9999. %



28

Incident Energy (eV)

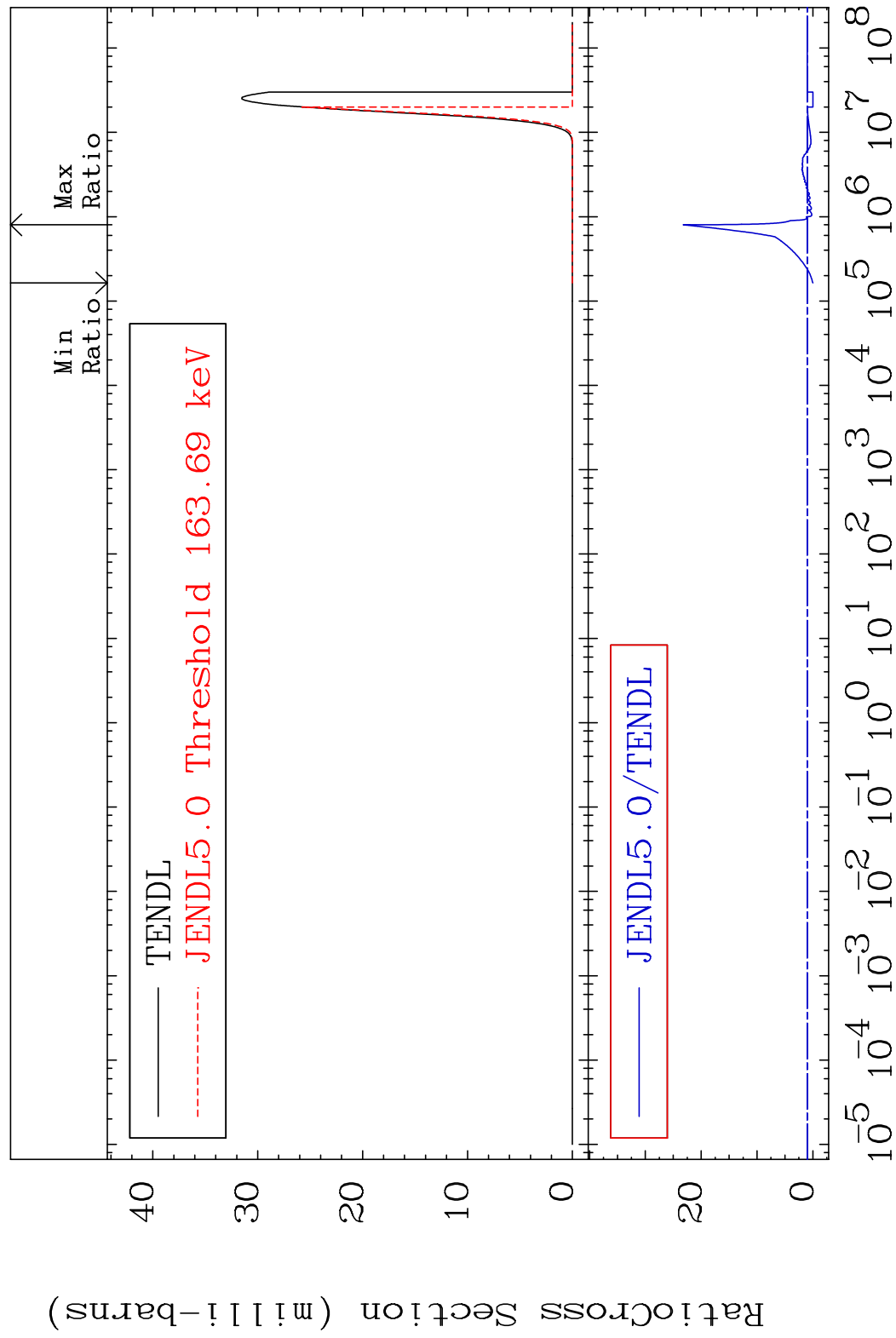
80-Hg-199

MAT 8034

(n, p)

80-Hg-199

Cross Section -100.0 To 2223. %



29

Incident Energy (eV)

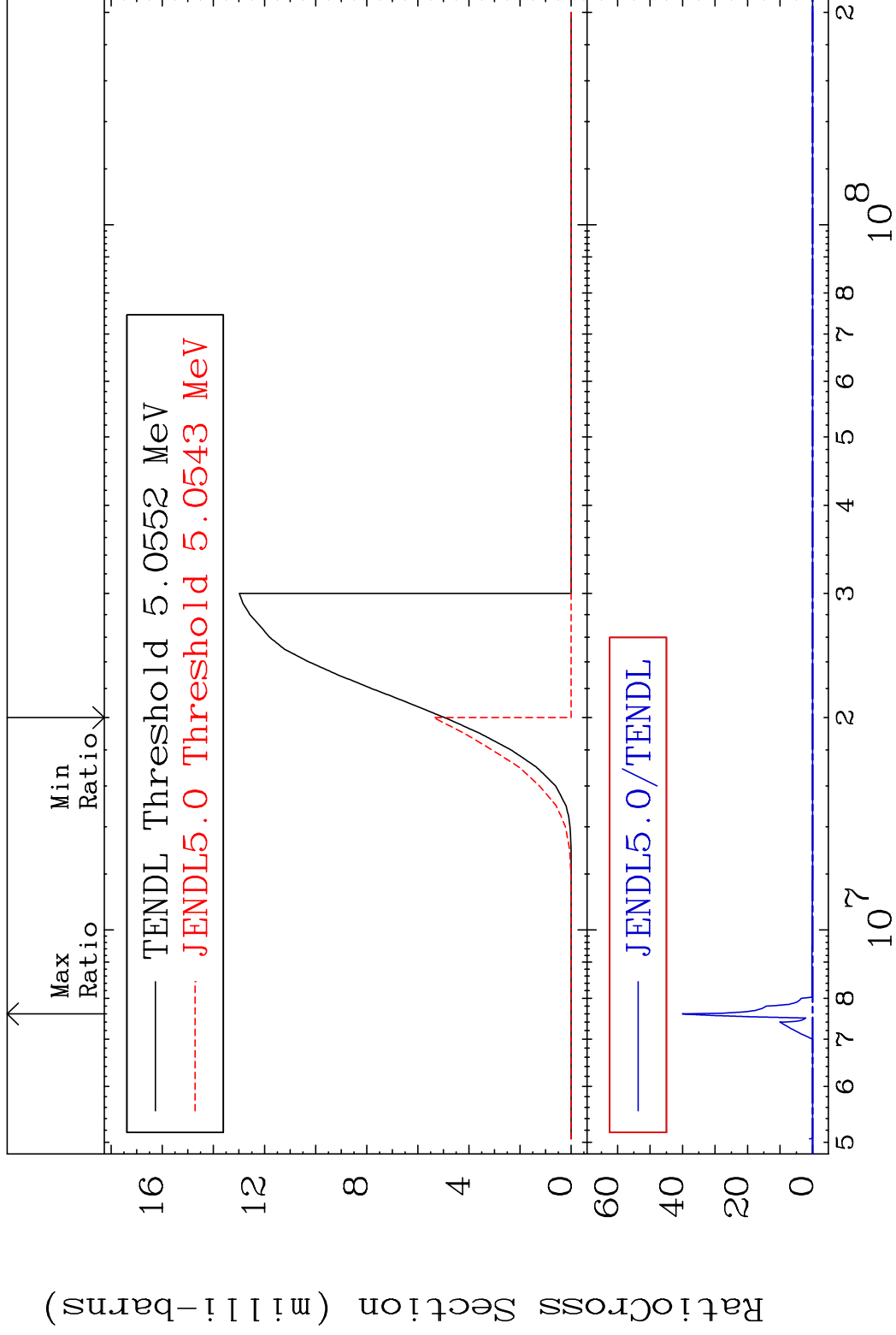
80-Hg-199

MAT 8034

(n,d)

80-Hg-199

Cross Section -100.0 To 9999. %

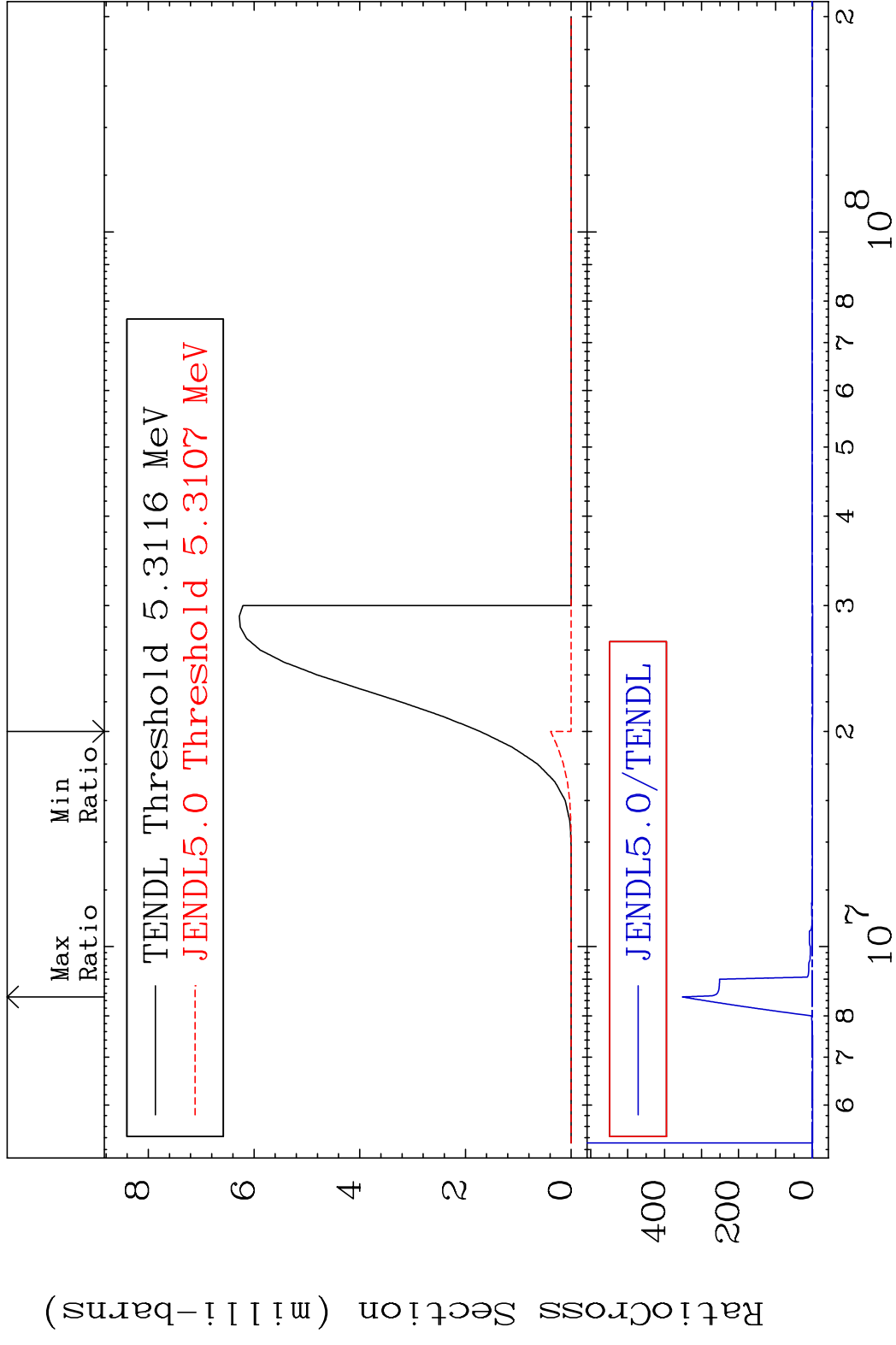


30

Incident Energy (eV)

80-Hg-199

MAT 8034 (n, t) 80-Hg-199
 Cross Section -100.0 To 9999. %

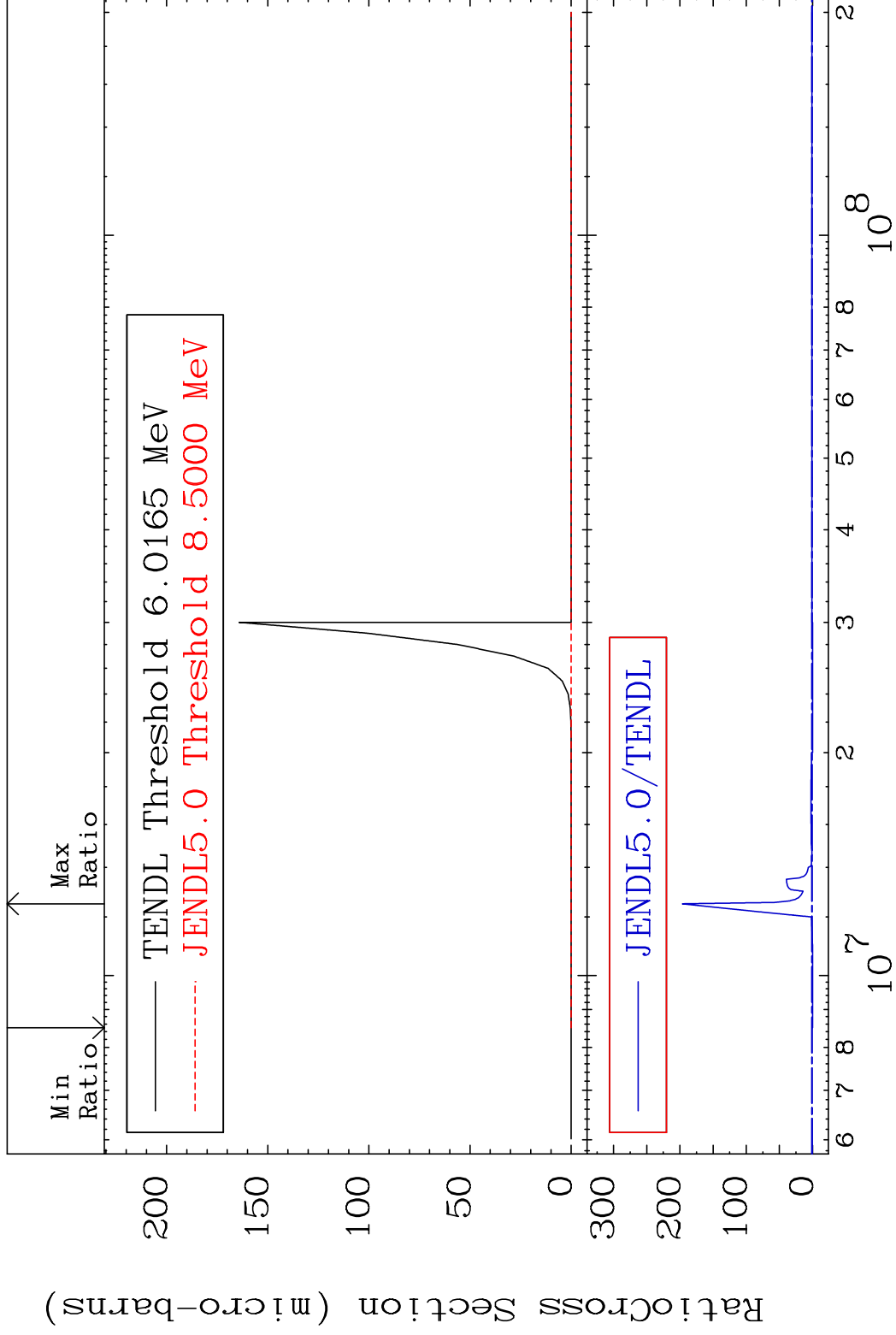


MAT 8034

(n, He-3)

80-Hg-199

Cross Section -100.0 To 9999. %



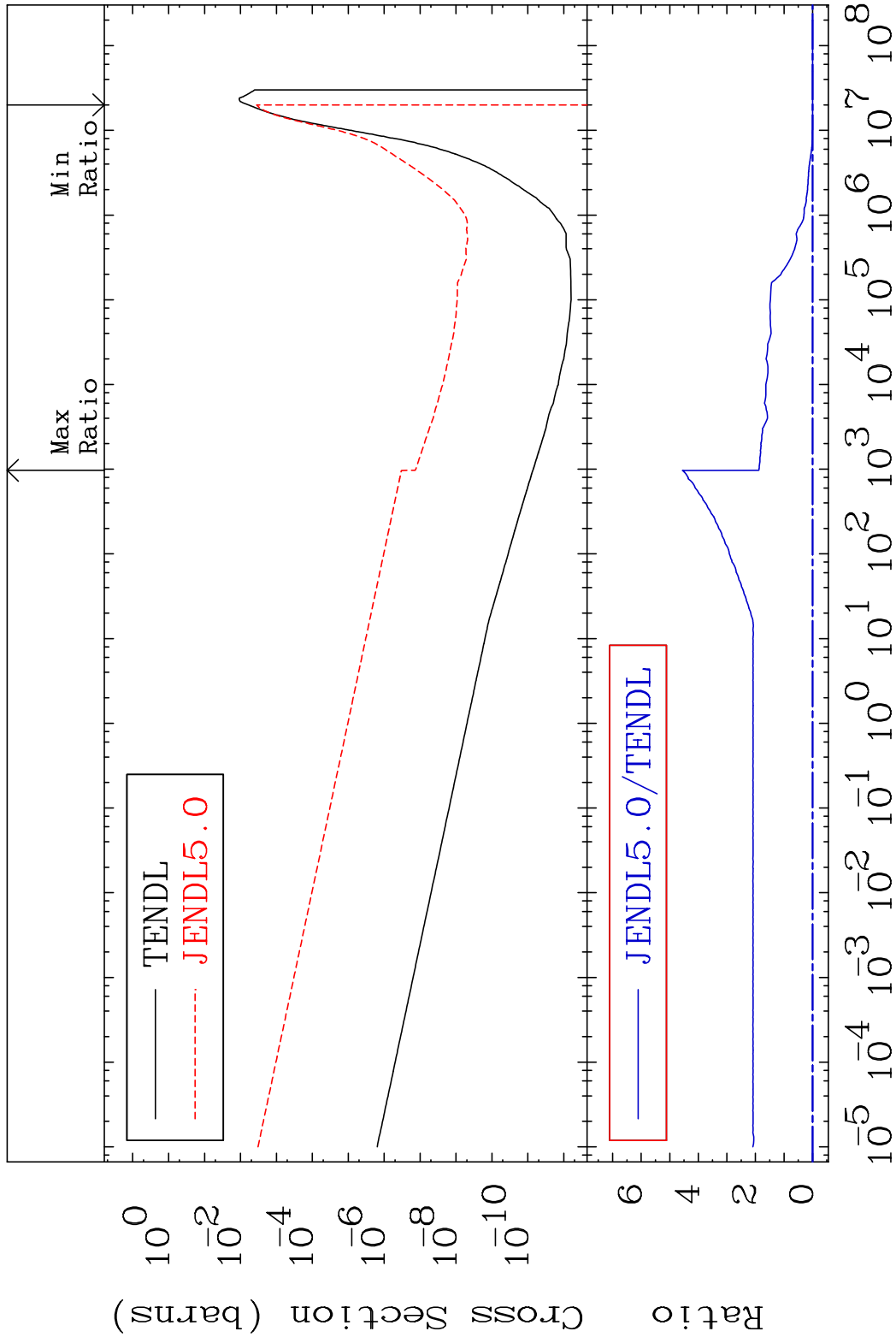
32

Incident Energy (eV)

80-Hg-199

MAT 8034

(n, α) Cross Section 80-Hg-199
-100.0 To 9999. %



33

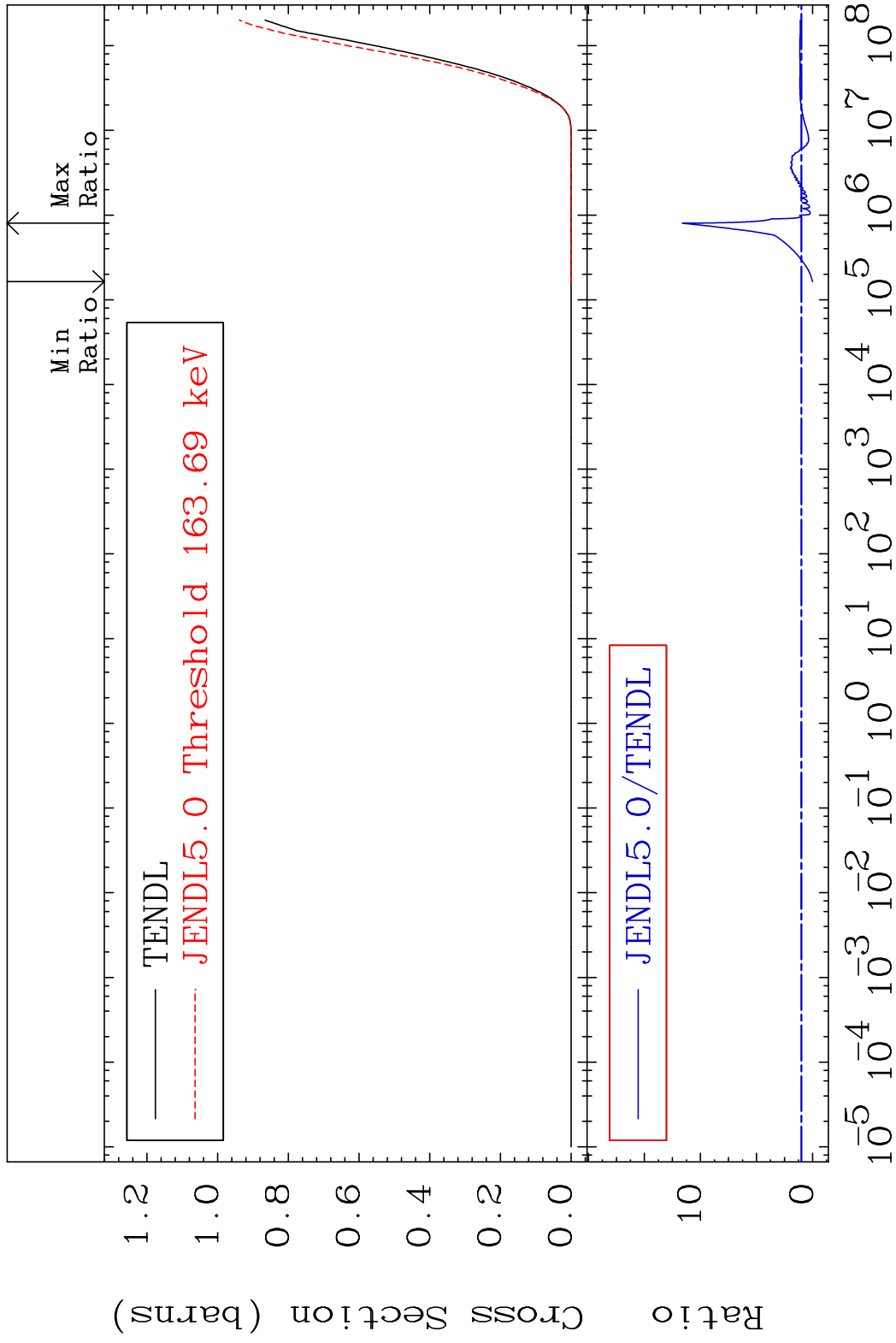
Incident Energy (eV) 80-Hg-199

MAT 8034

Hydrogen Production

80-Hg-199

Cross Section -100.0 To 1061. %

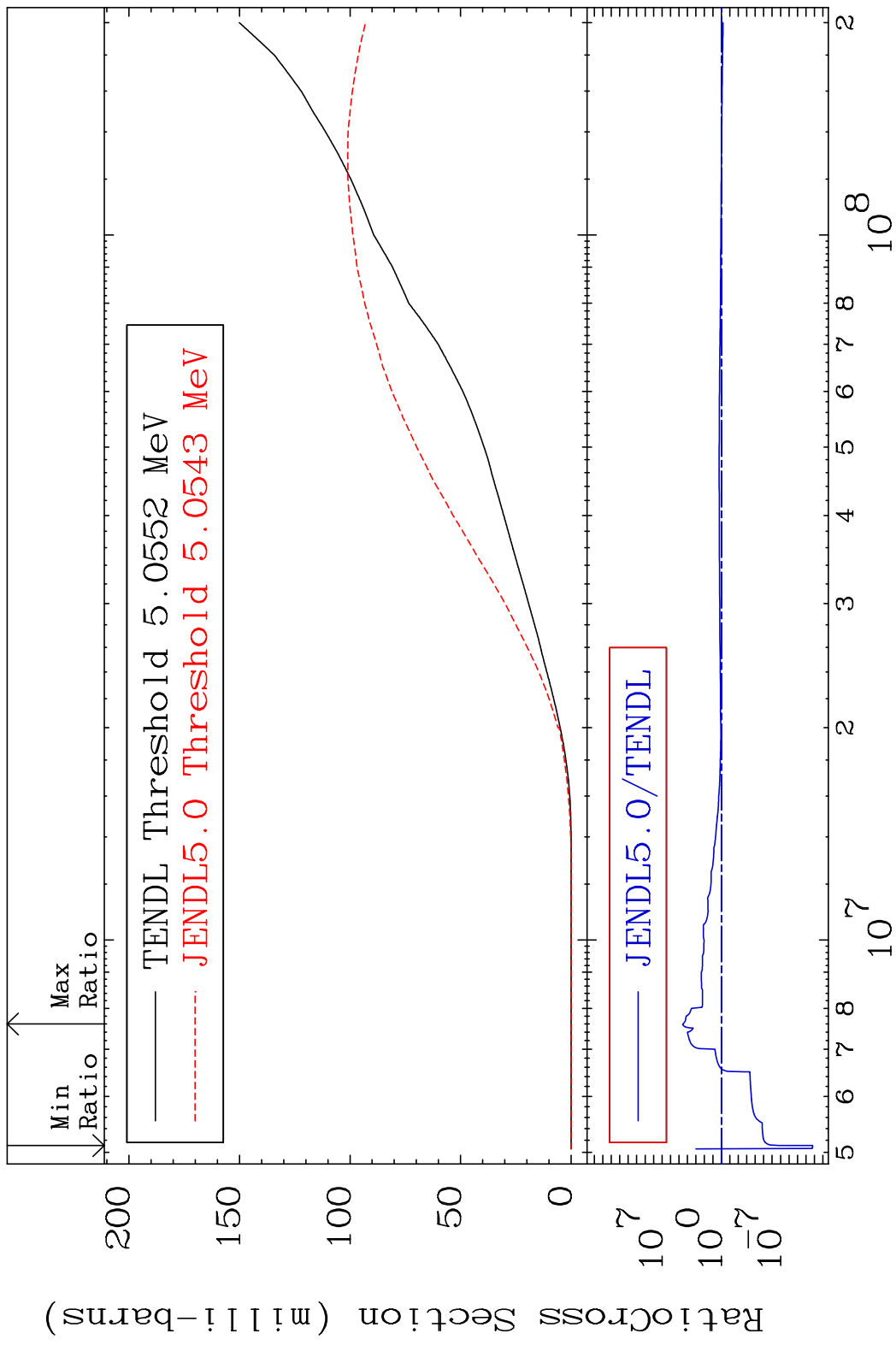


34

Incident Energy (eV)

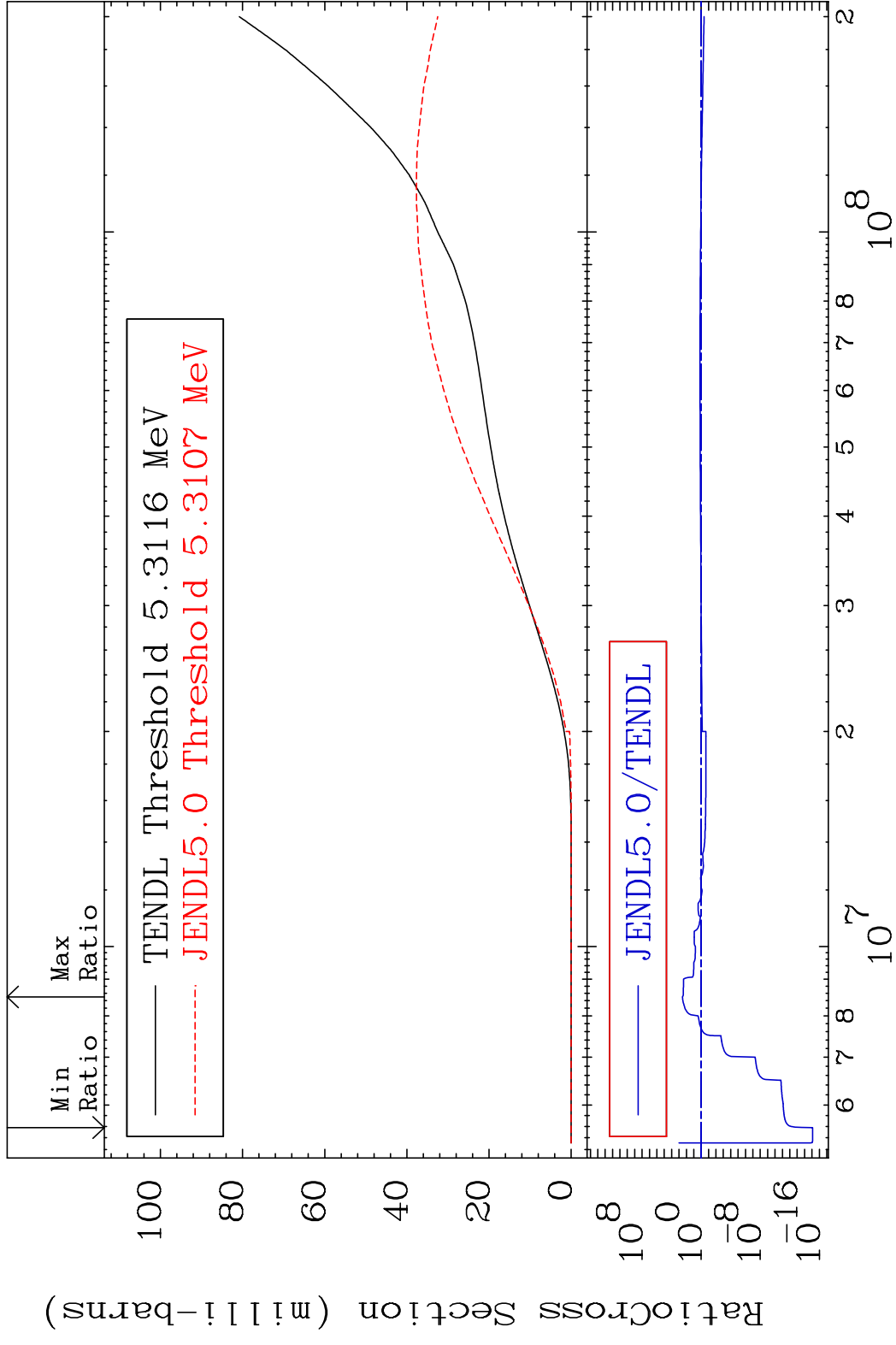
80-Hg-199

MAT 8034 Deuterium Production 80-Hg-199
 Cross Section -100.0 To 9999. %



MAT 8034

Tritium Production 80-Hg-199
Cross Section -100.0 To 9999. %

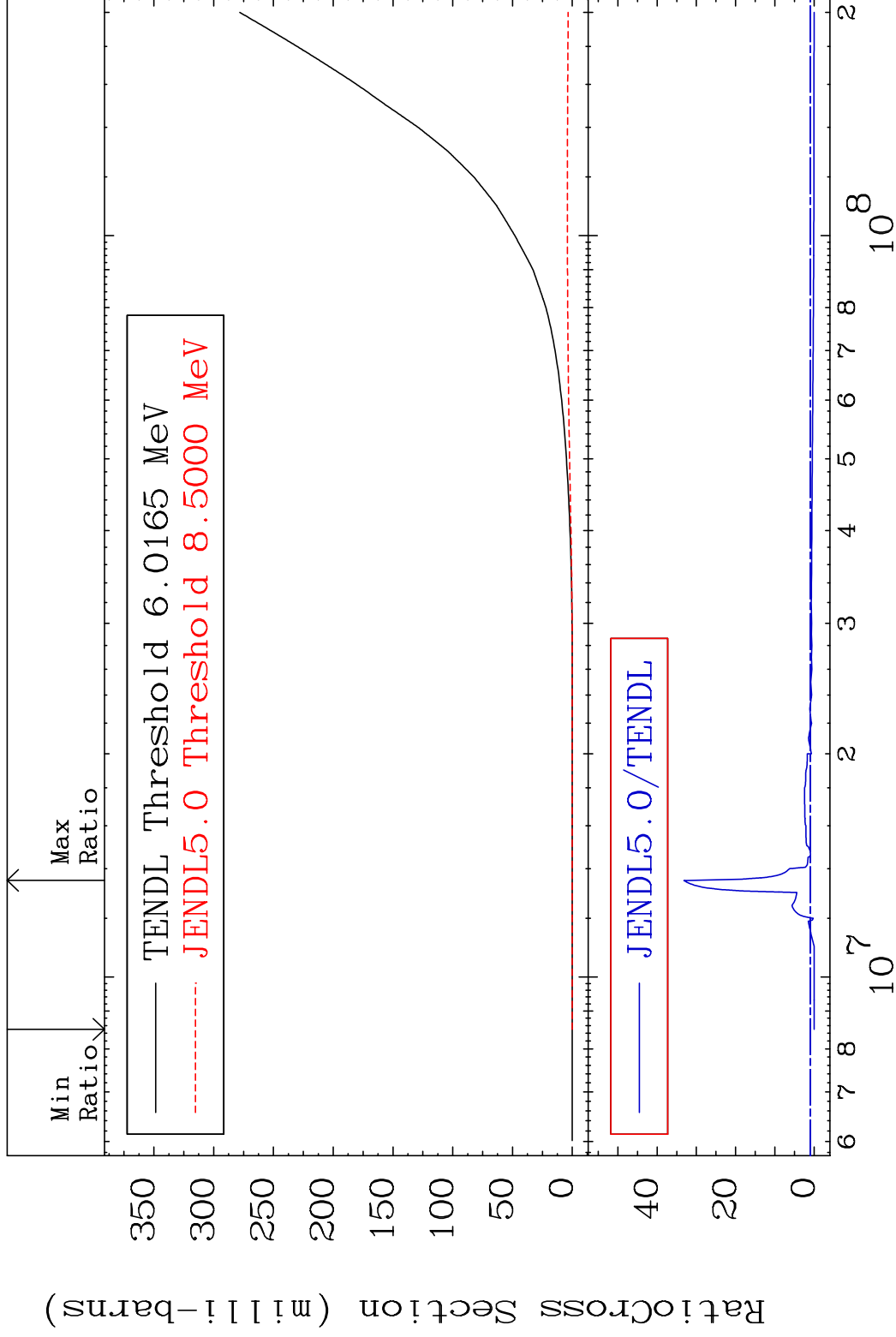


MAT 8034

He-3 Production

80-Hg-199

Cross Section -100.0 To 3223. %



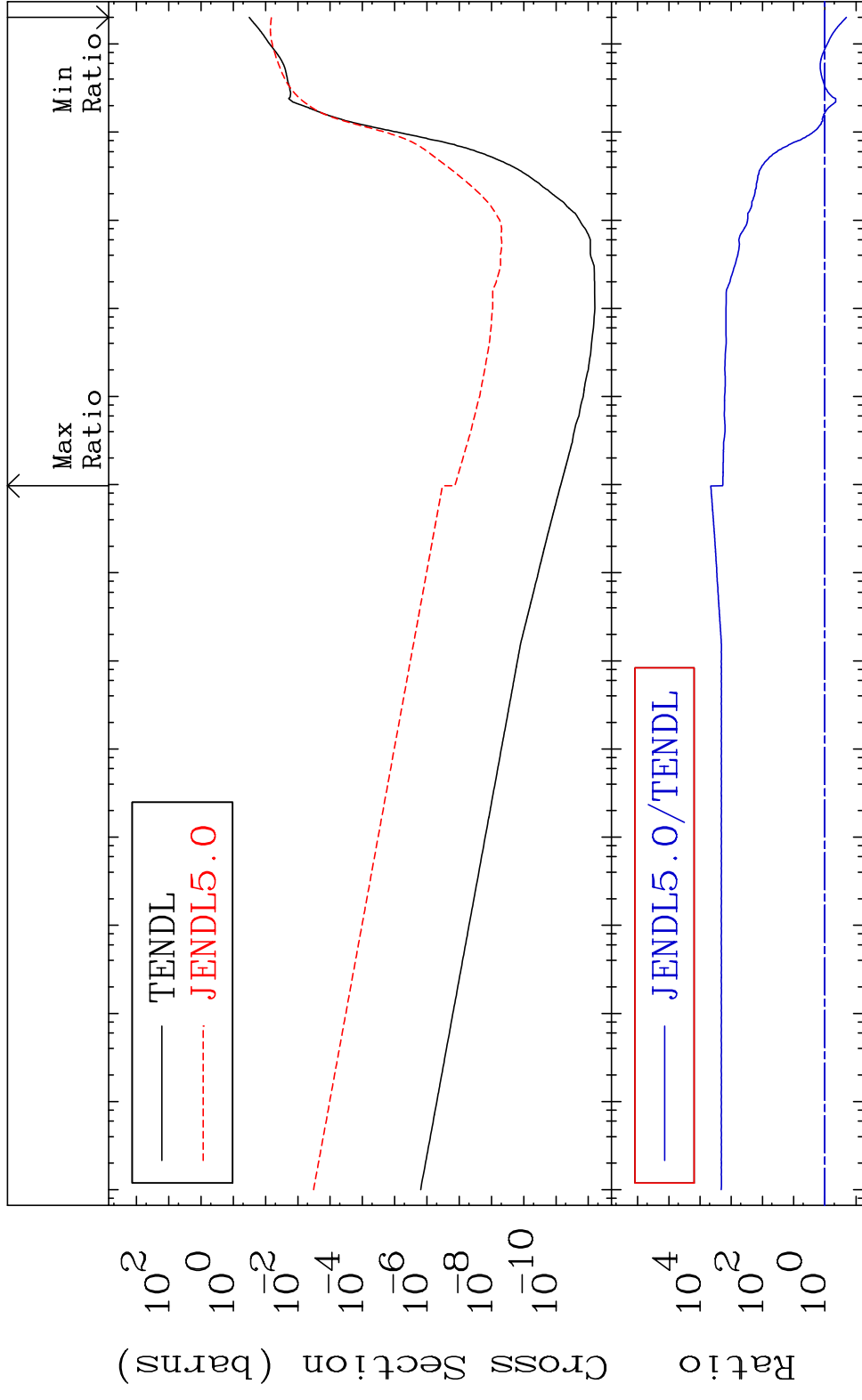
37

Incident Energy (eV)

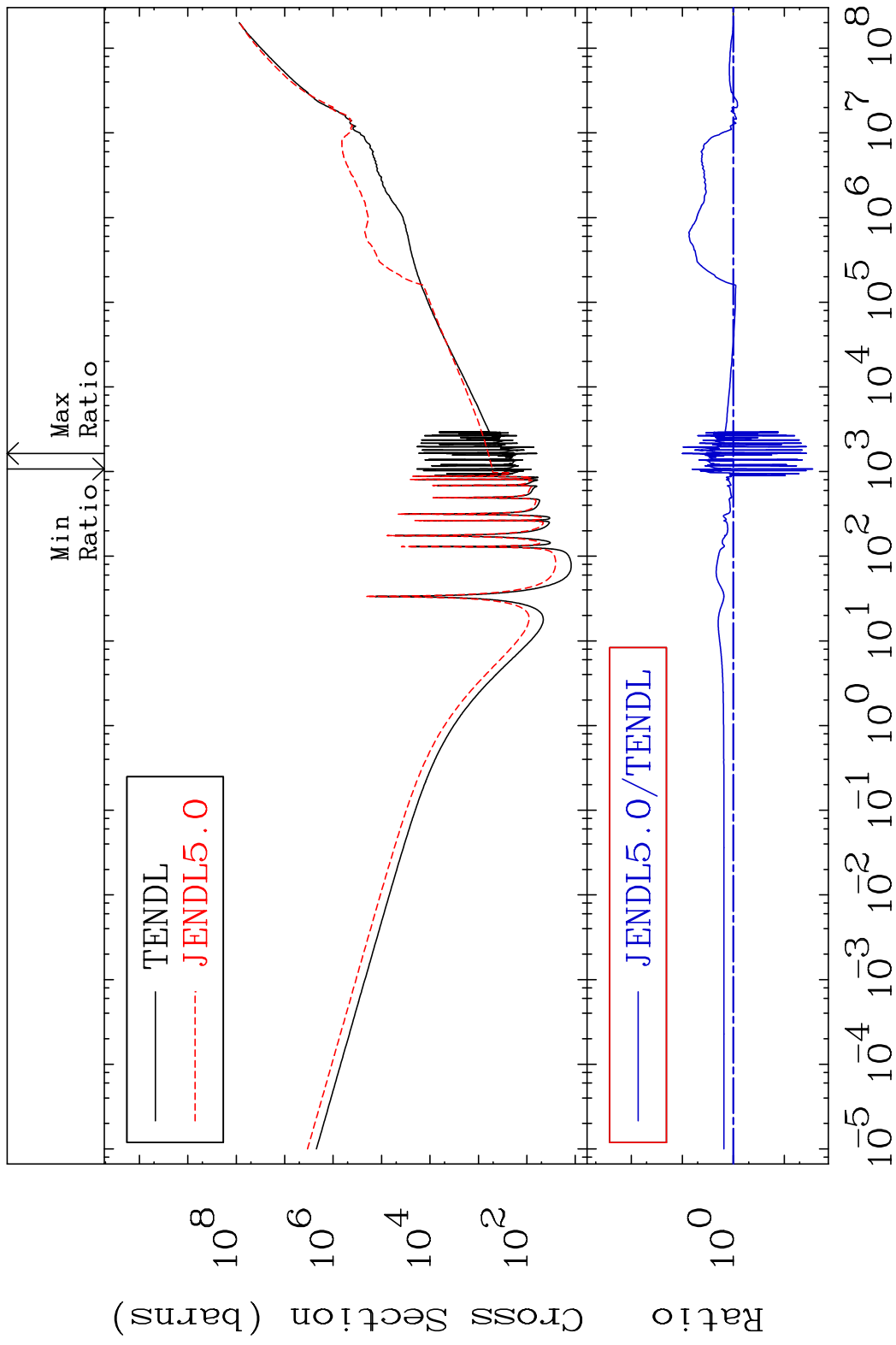
80-Hg-199

MAT 8034

He-4 Production Cross Section -79.51 To 9999. %
80-Hg-199



MAT 8034 Kerma total (eV-barns) 80-Hg-199
 Cross Section -97.20 To 899.0 %



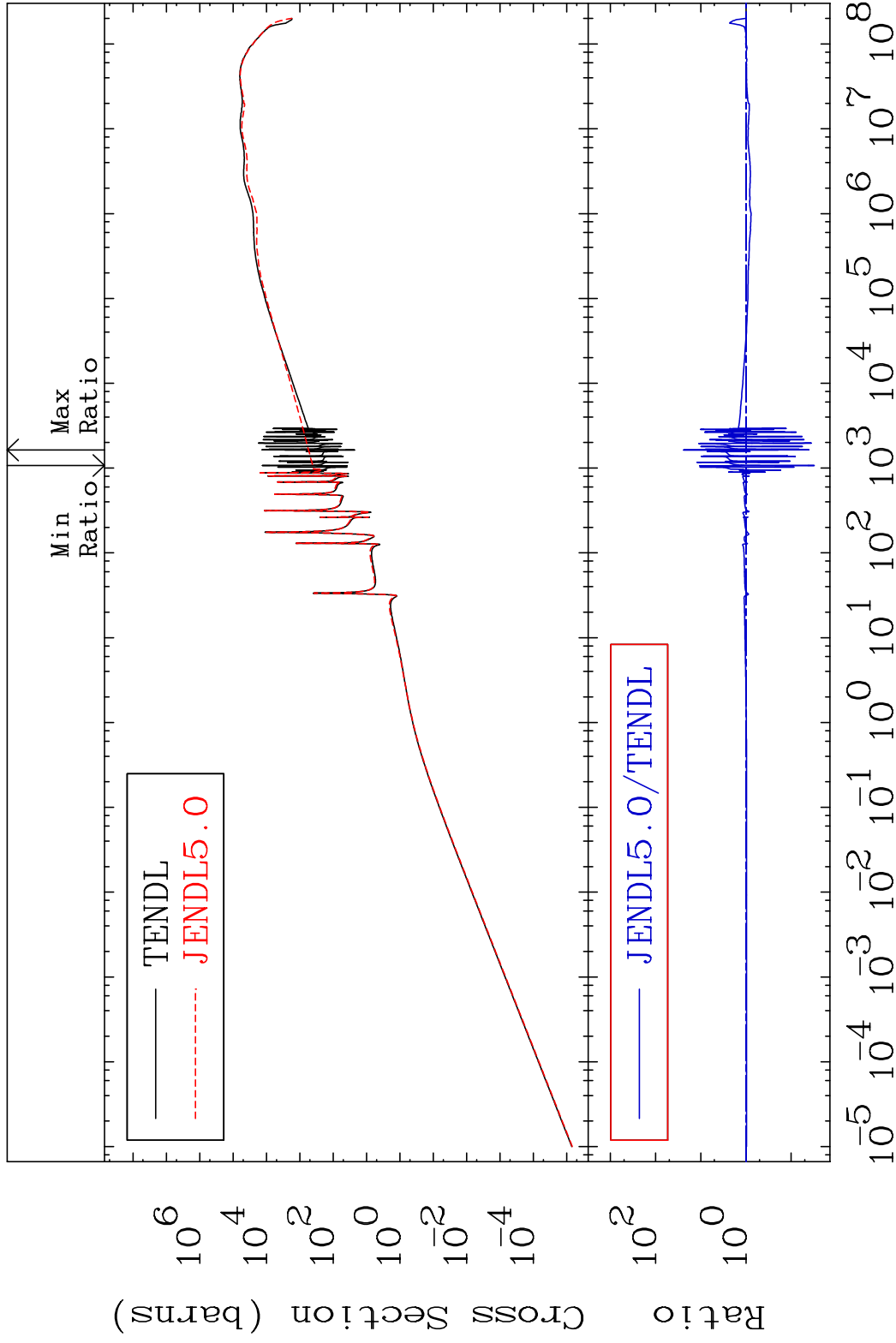
39 Incident Energy (eV) 80-Hg-199

MAT 8034

Kerma elastic

80-Hg-199

Cross Section -96.89 To 2295. %

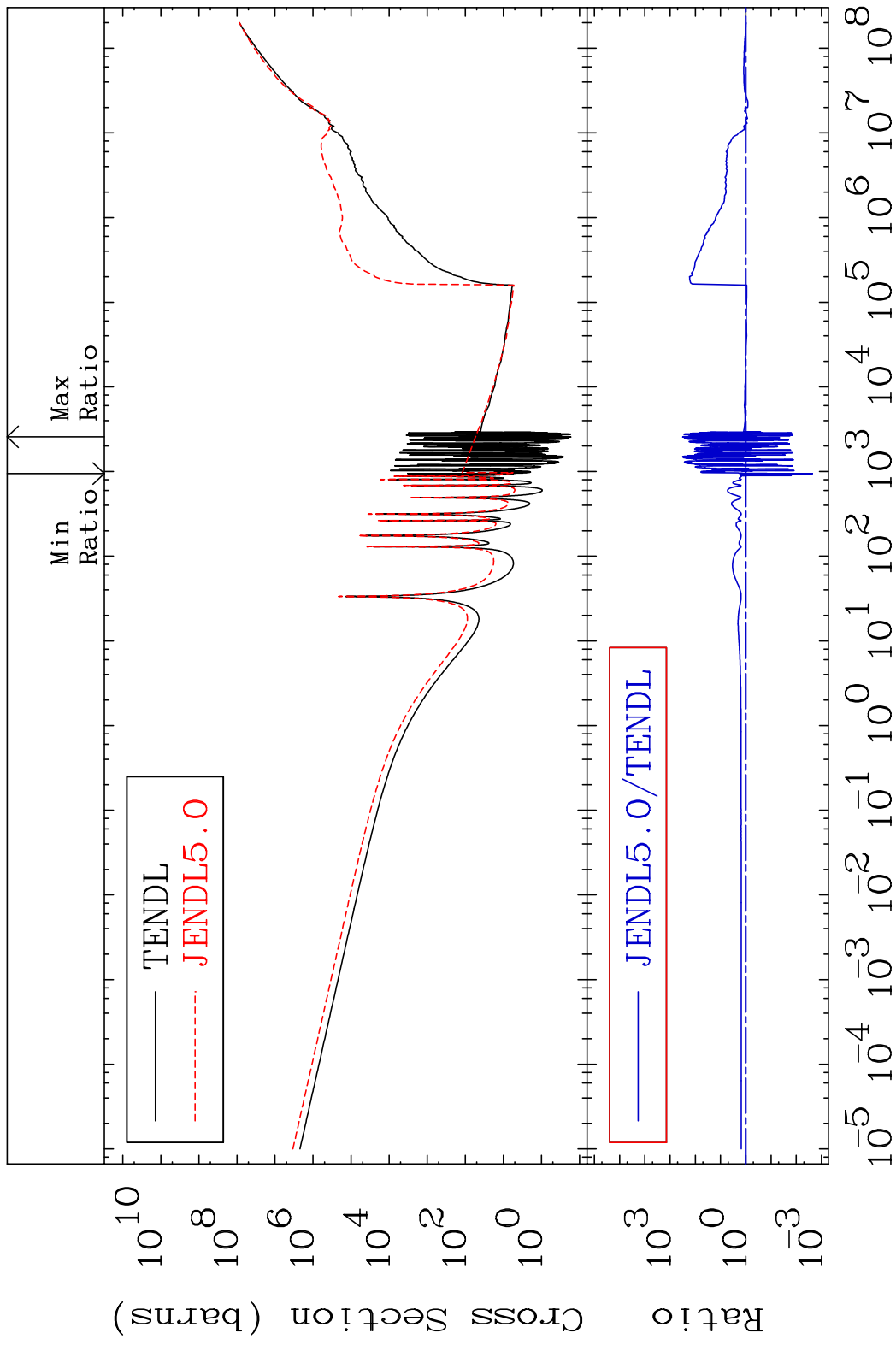


40

Incident Energy (eV)

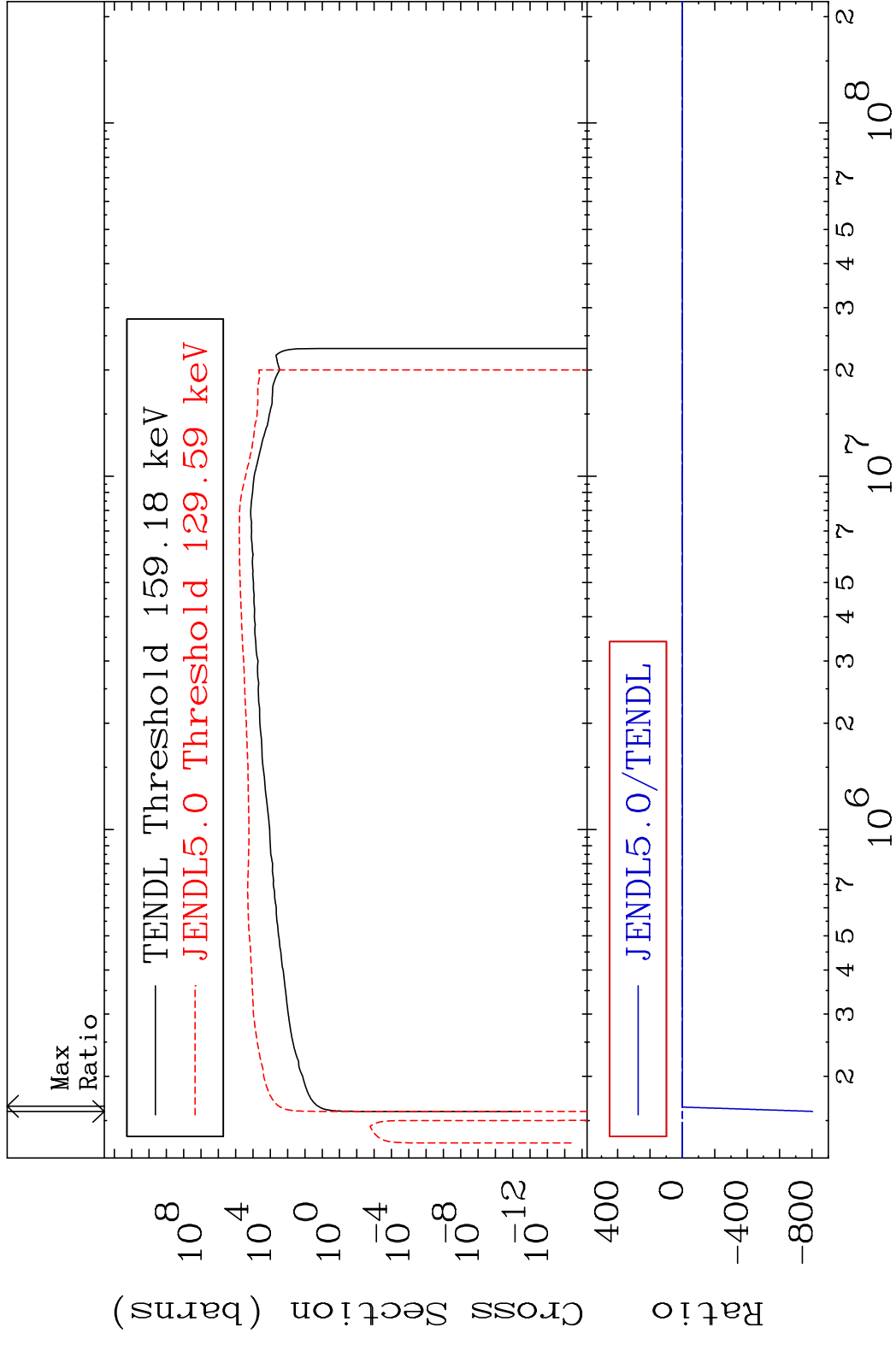
80-Hg-199

MAT 8034 Kerma non-elastic (all but mt2) 80-Hg-199
 Cross Section -99.77 To 9999. %

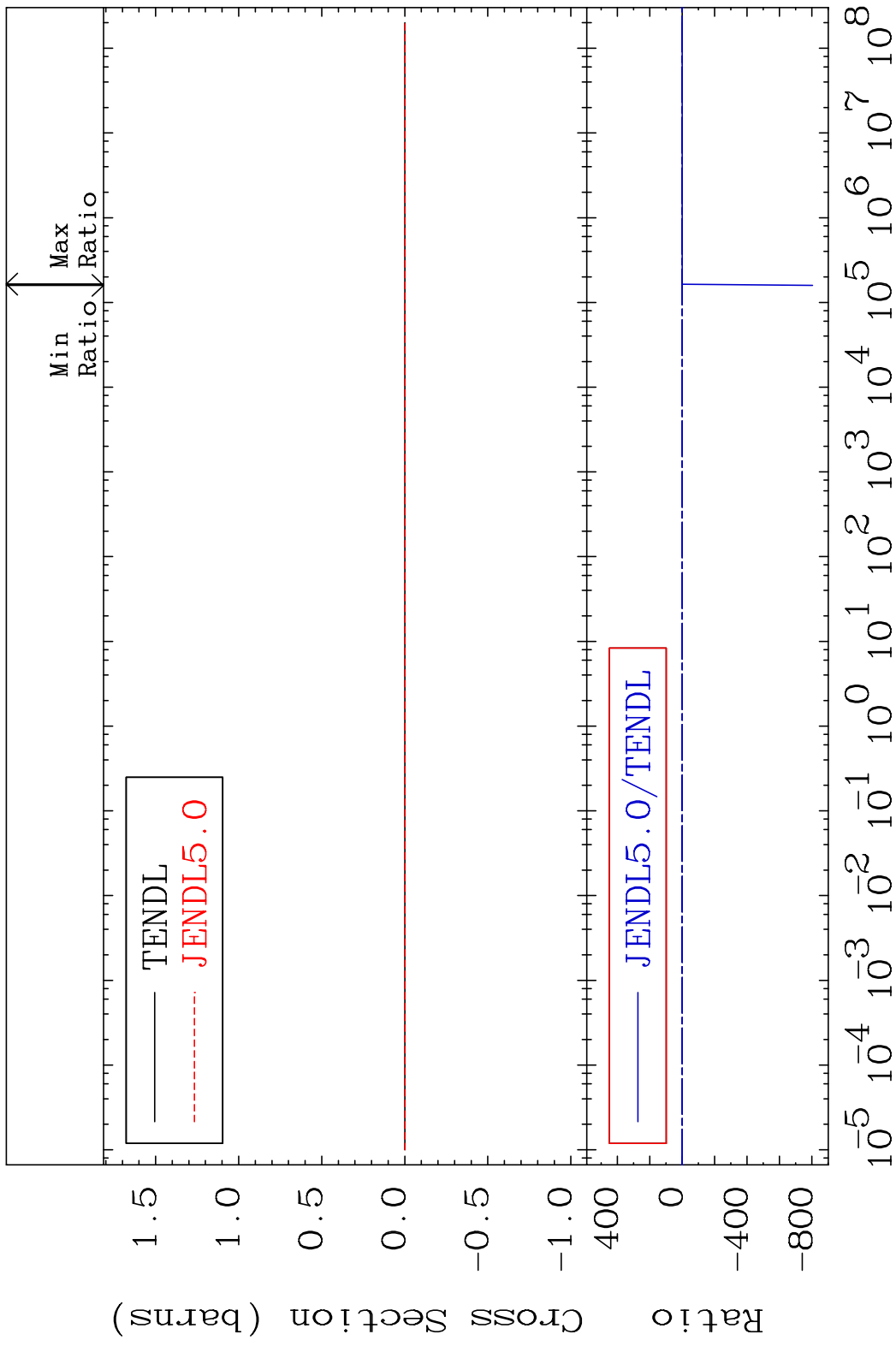


41 Incident Energy (eV) 80-Hg-199

MAT 8034 Kerma inelastic (mt51-91) 80-Hg-199
 Cross Section -9999. To 9999. %



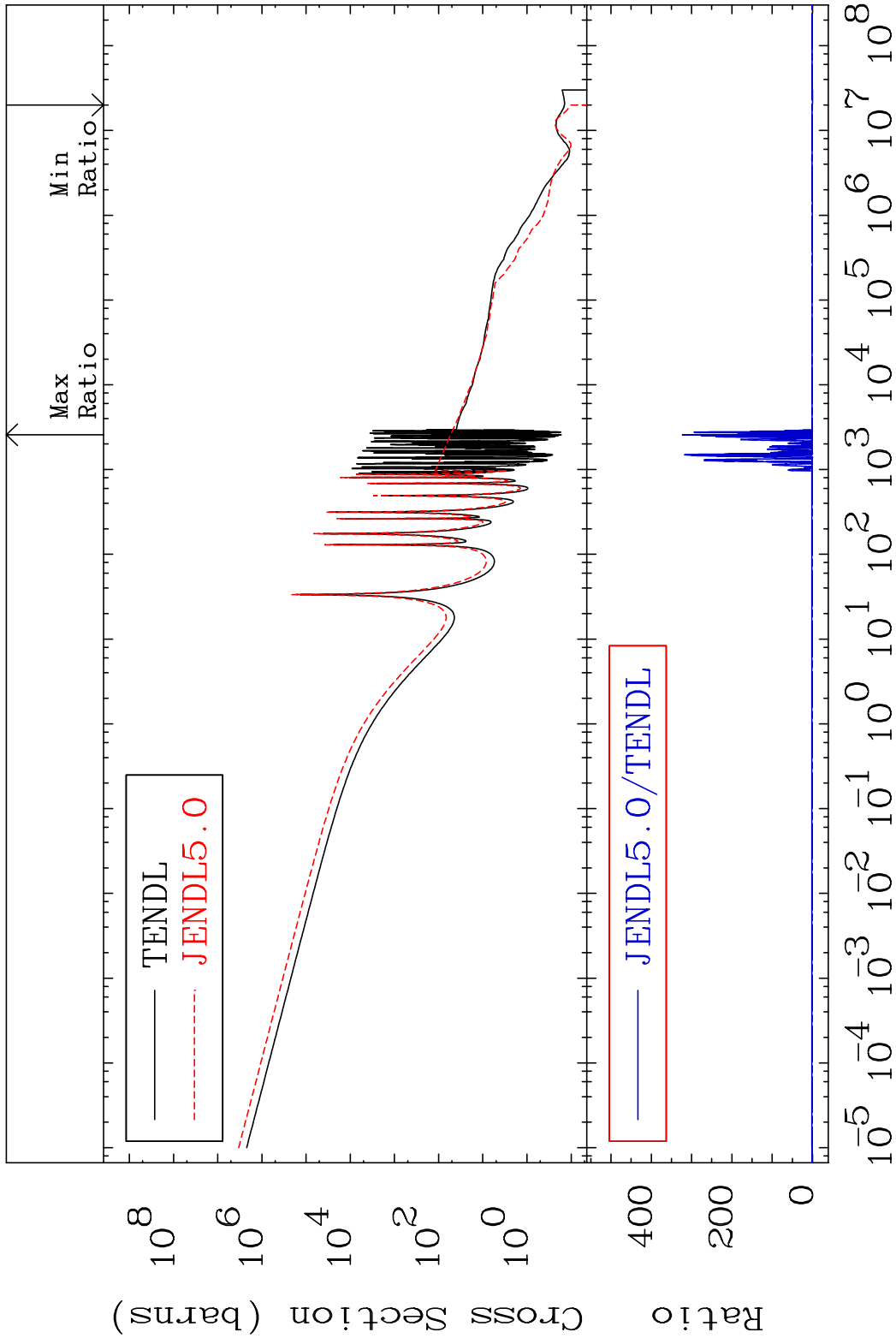
MAT 8034 Kerma fission (mt18 or mt19-20-21-38)80-Hg-199
 Cross Section -9999. To 9999. %



MAT 8034

Kerma capture (mt102) 80-Hg-199

Cross Section -100.0 To 9999. %

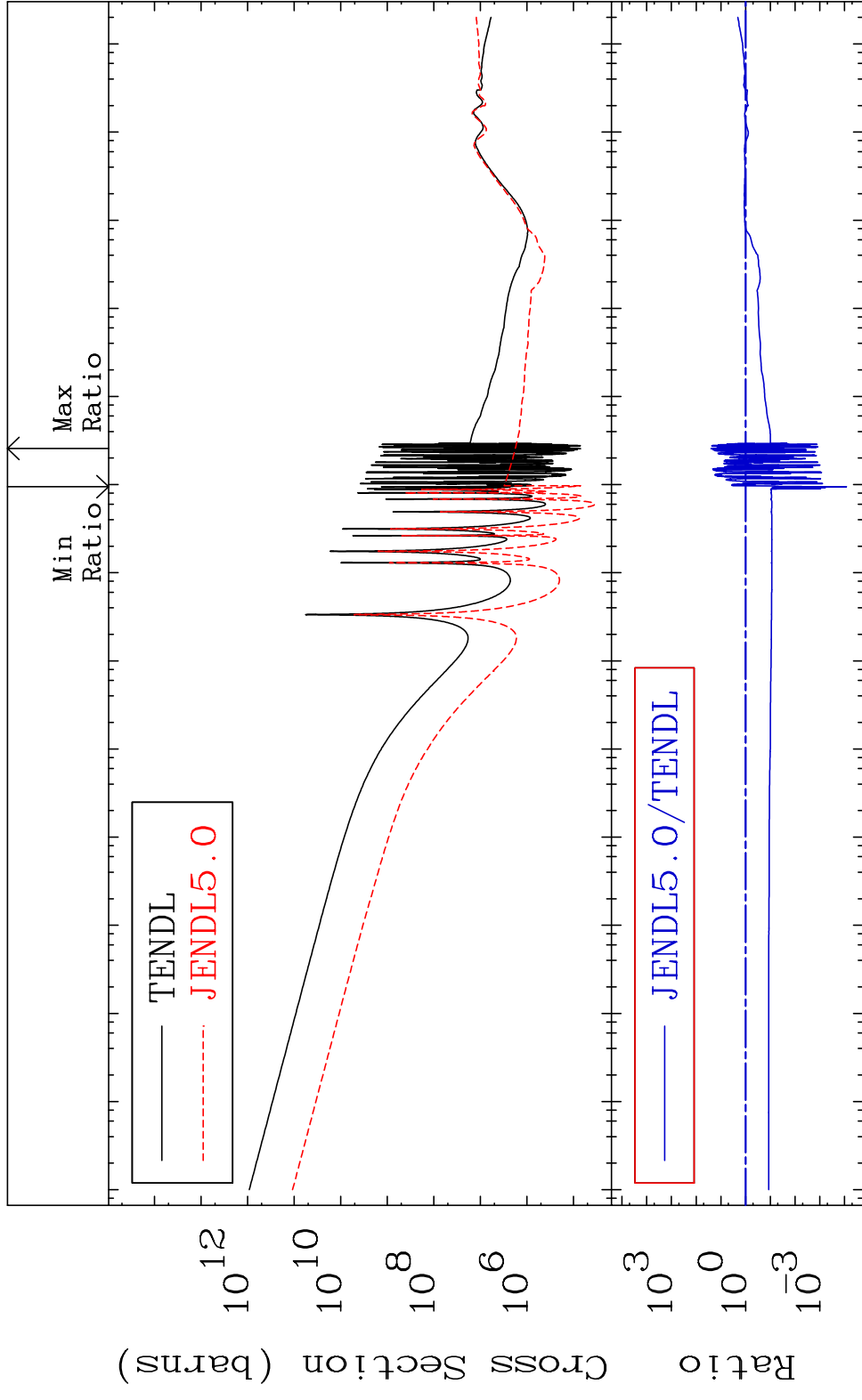


44

Incident Energy (eV)

80-Hg-199

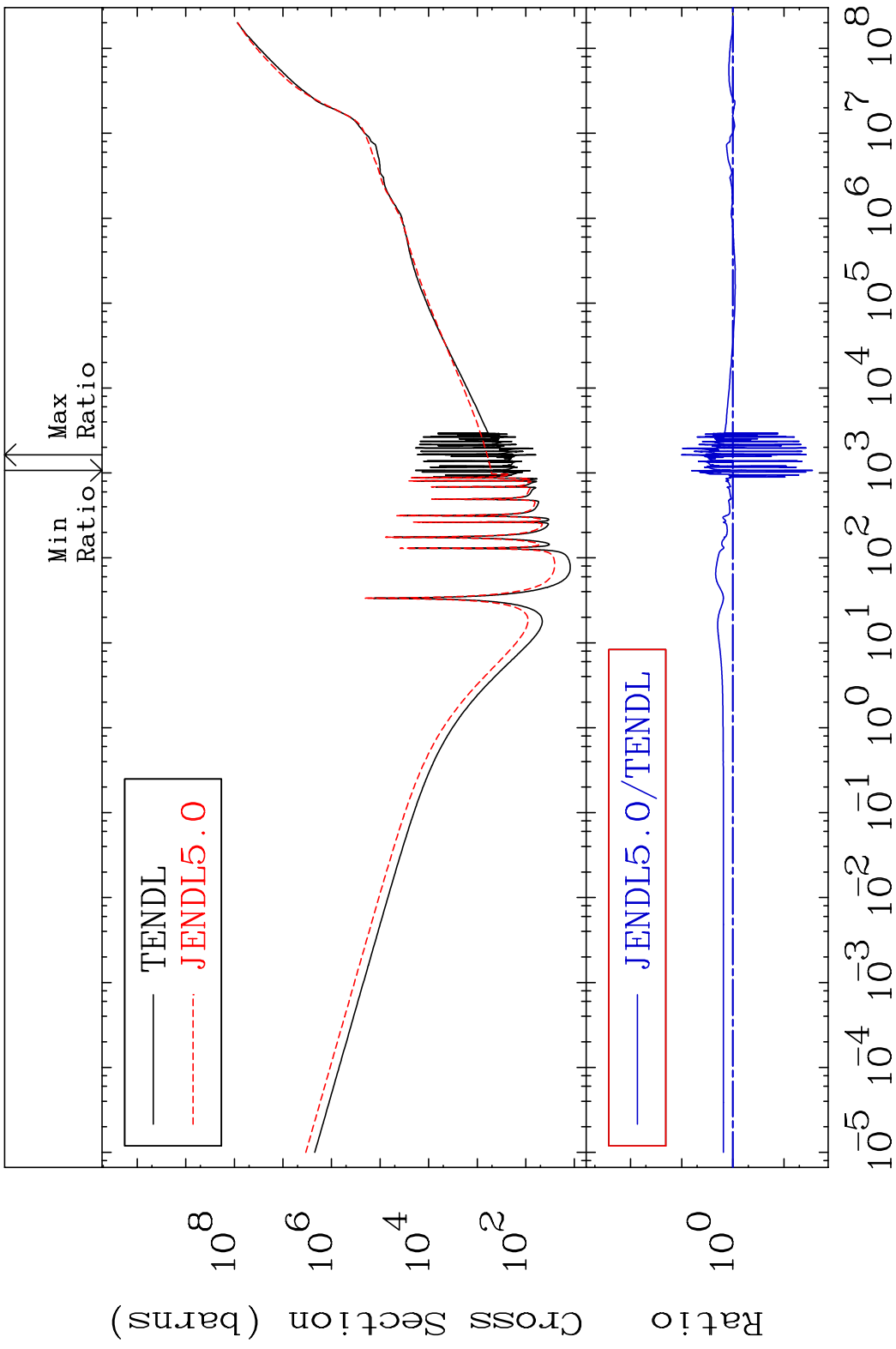
MAT 8034 Total photon (eV-barns) 80-Hg-199
 Cross Section -99.99 To 2481. %



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

45 Incident Energy (eV) 80-Hg-199

MAT 8034 Total kinematic kerma (high limit) 80-Hg-199
Cross Section -97.20 To 899.0 %

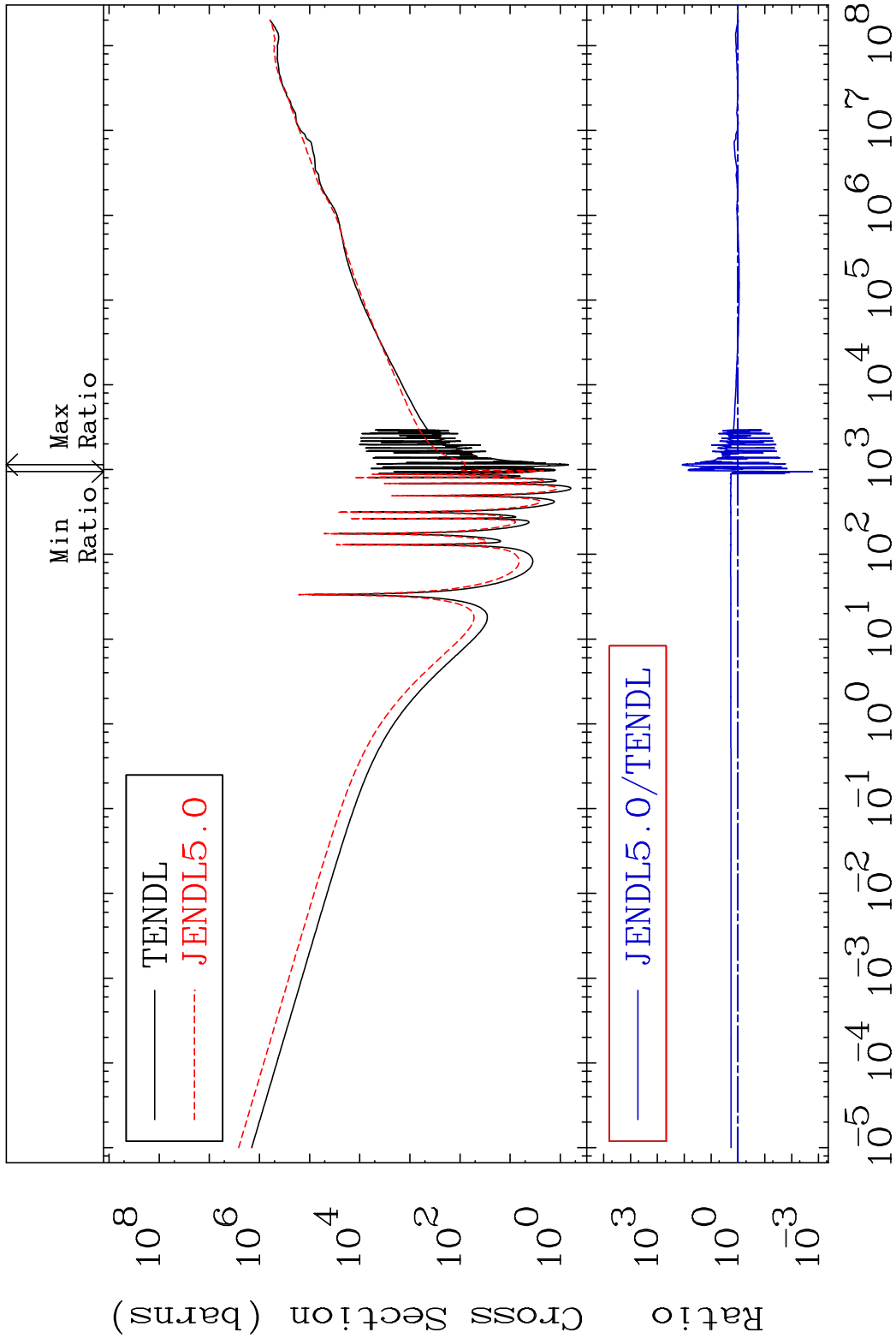


MAT 8034

Dpa total (eV-barns)

80-Hg-199

Cross Section -99.83 To 9999. %



47

Incident Energy (eV)

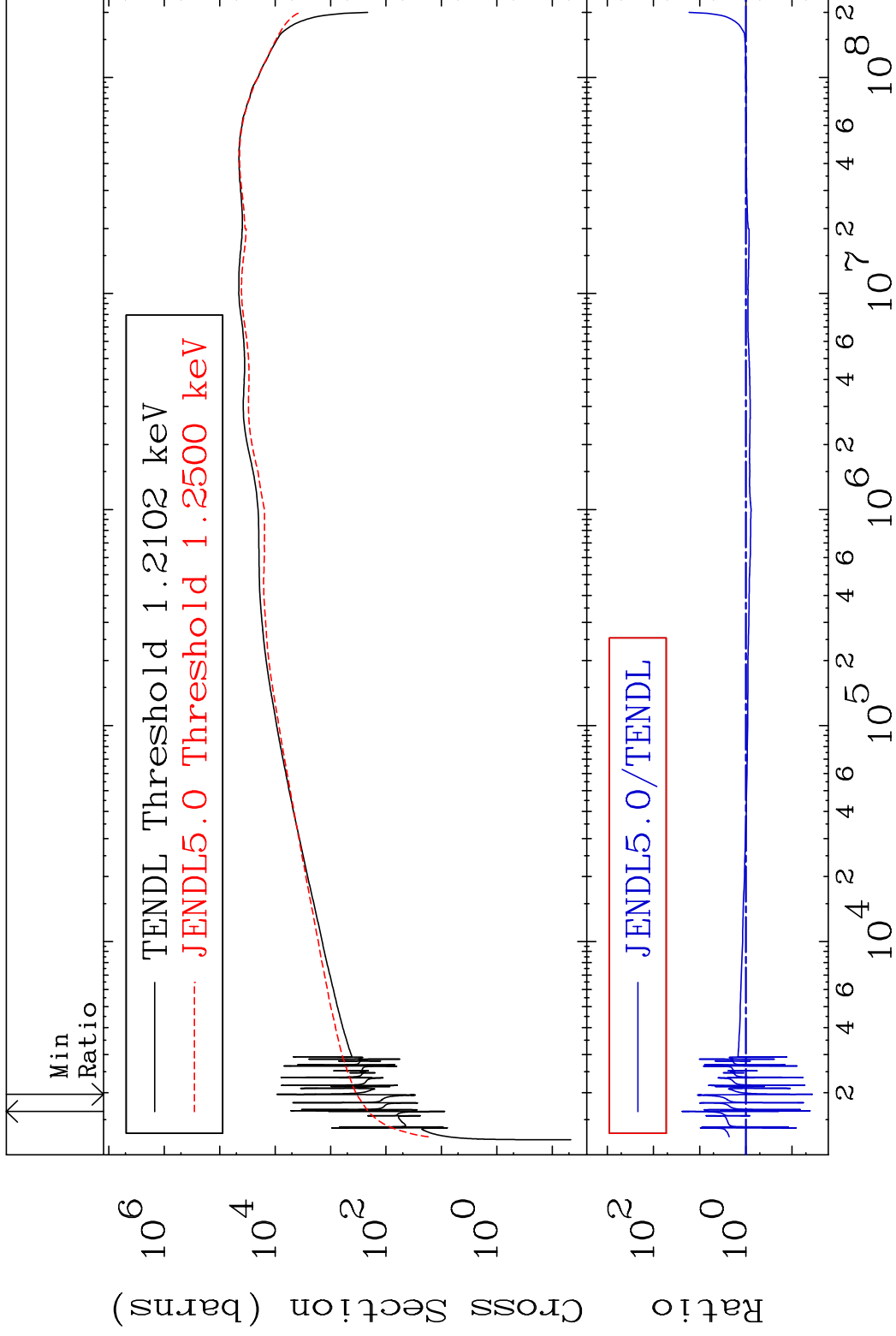
80-Hg-199

MAT 8034

Dpa elastic (mt2)

80-Hg-199

Cross Section -96.41 To 2295. %

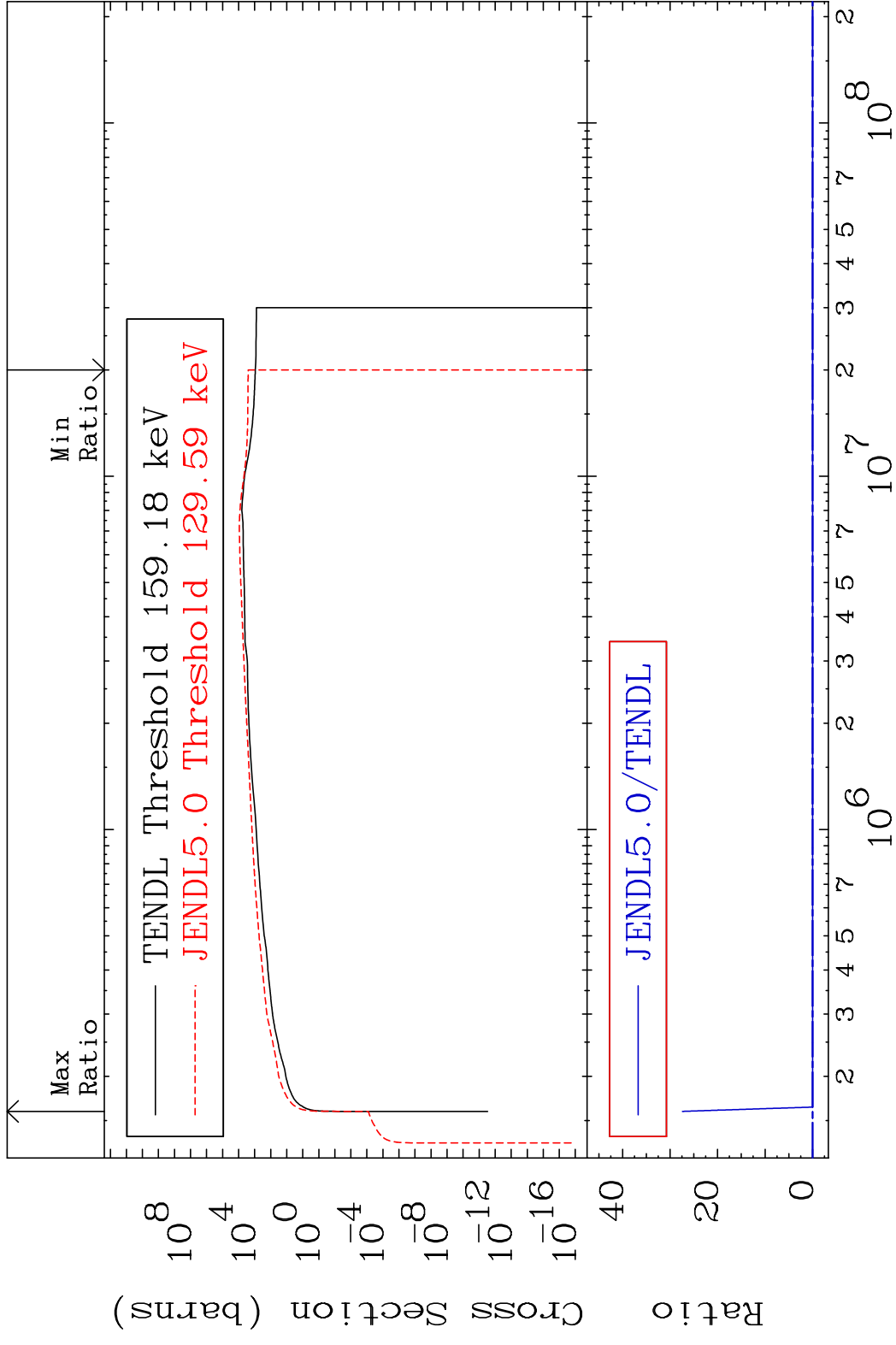


48

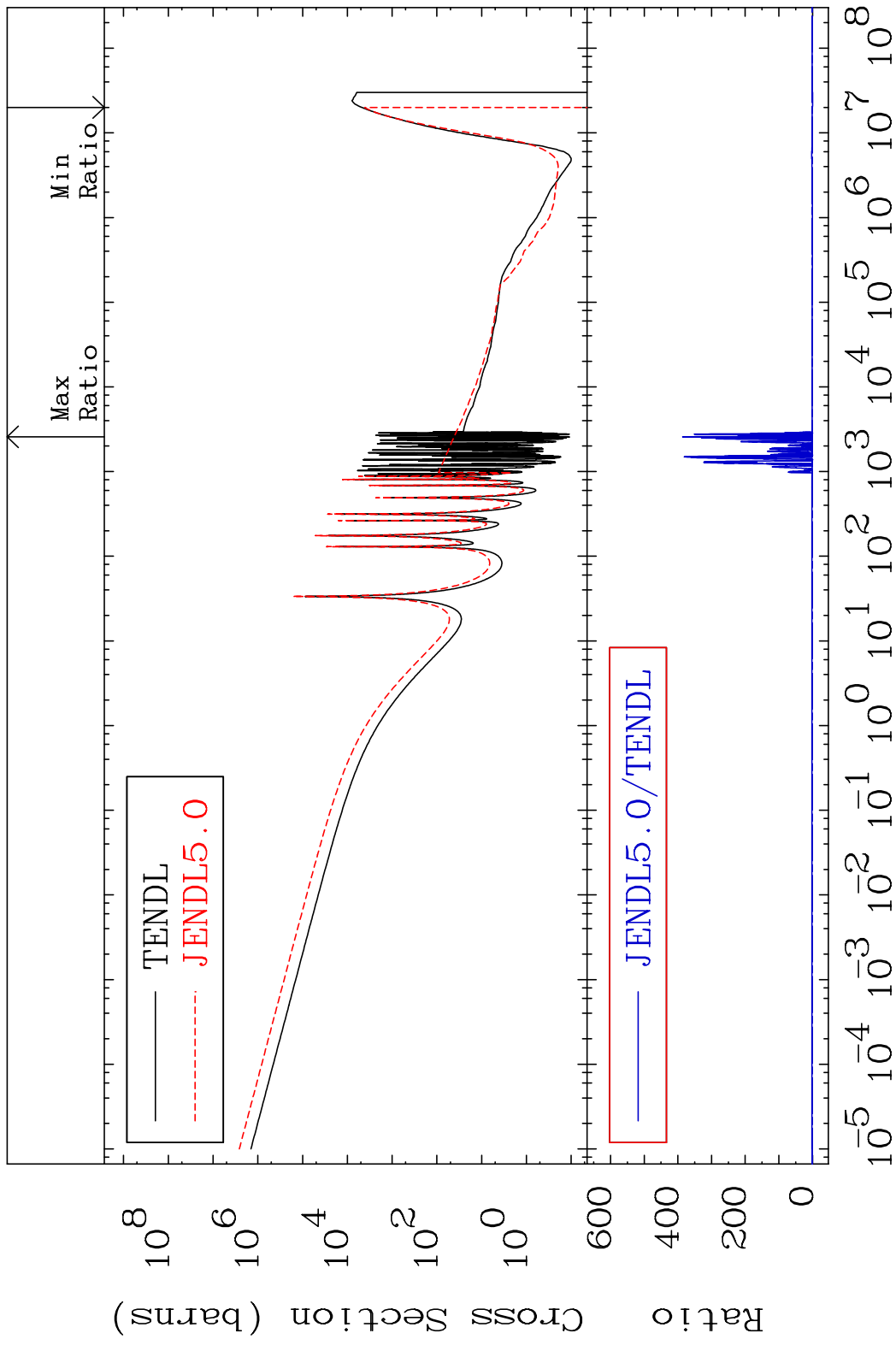
Incident Energy (eV)

80-Hg-199

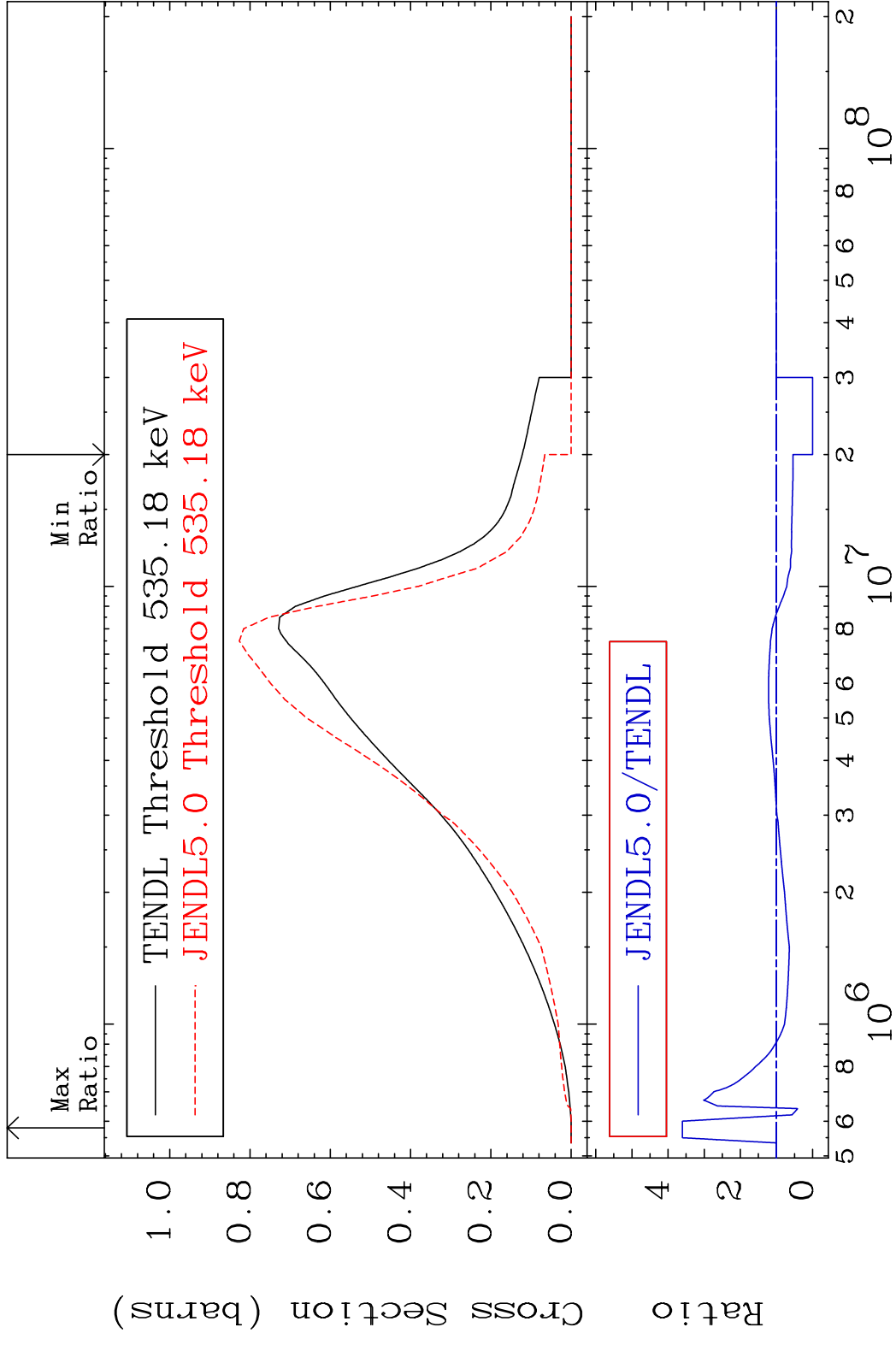
MAT 8034 Dpa inelastic (mt51-91) 80-Hg-199
 Cross Section -100.0 To 9999. %

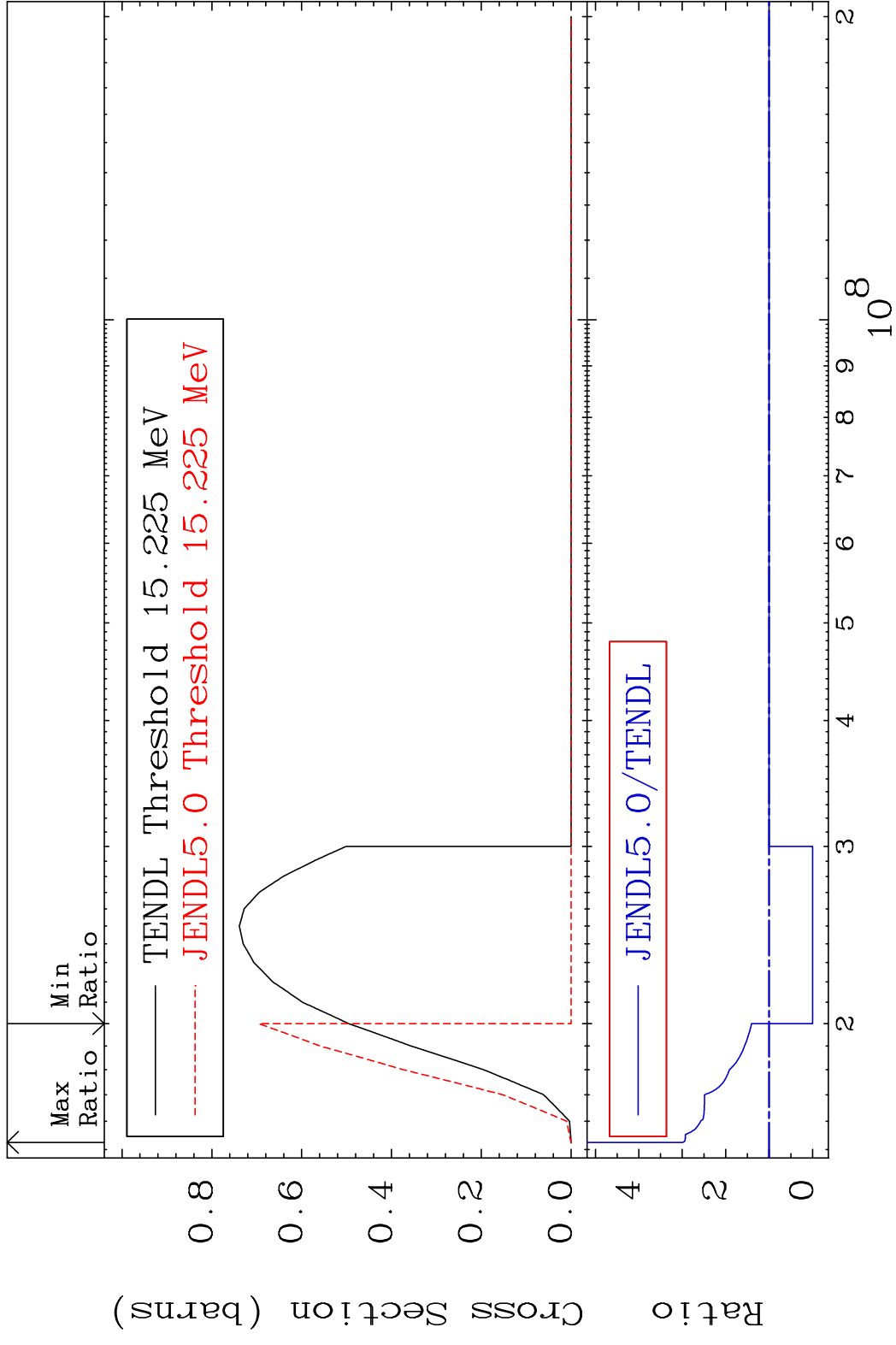


MAT 8034 Dpa disappearance (mt102 -120) 80-Hg-199
 Cross Section -100.0 To 9999. %

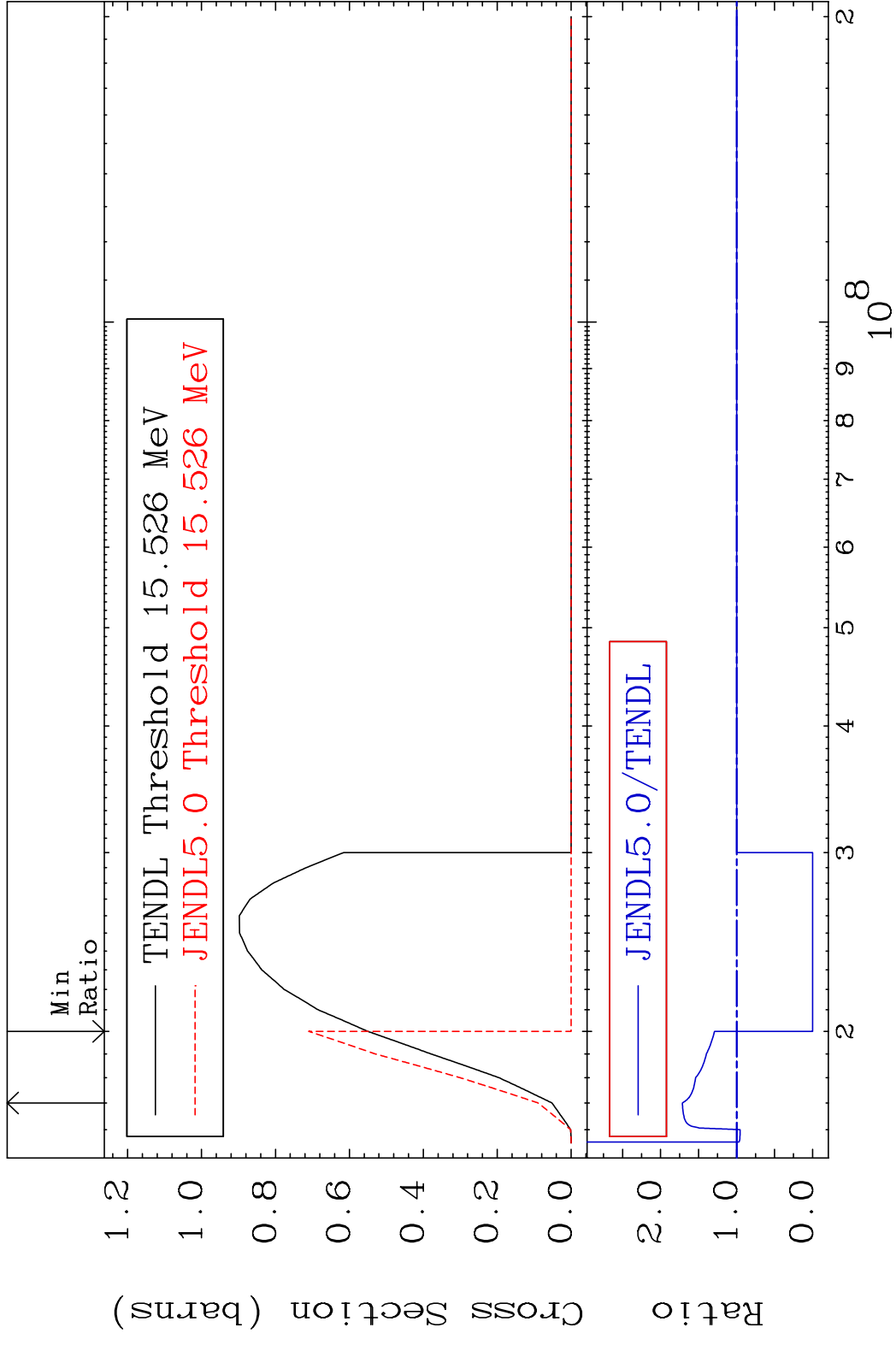


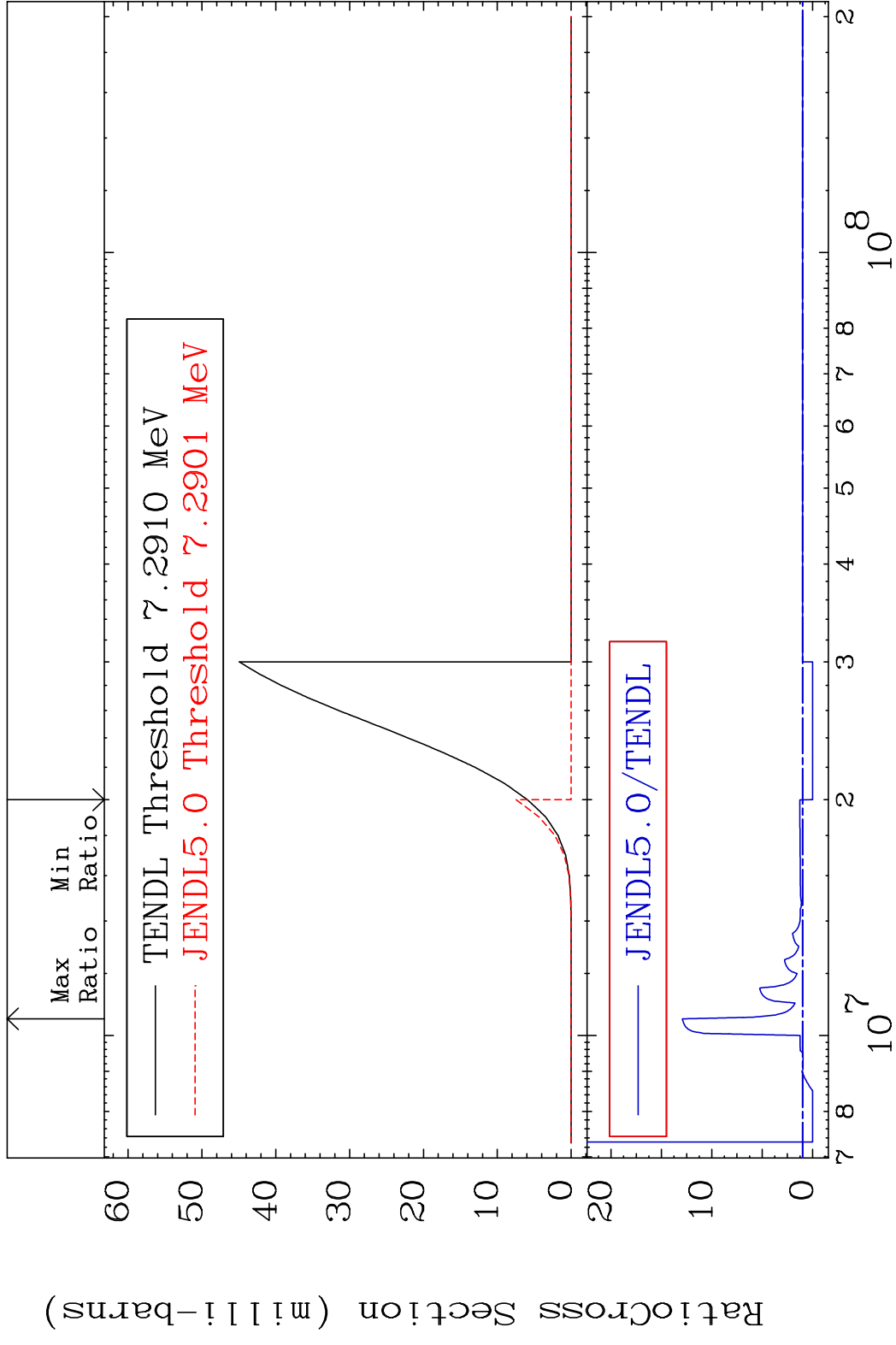
50 Incident Energy (eV) 80-Hg-199

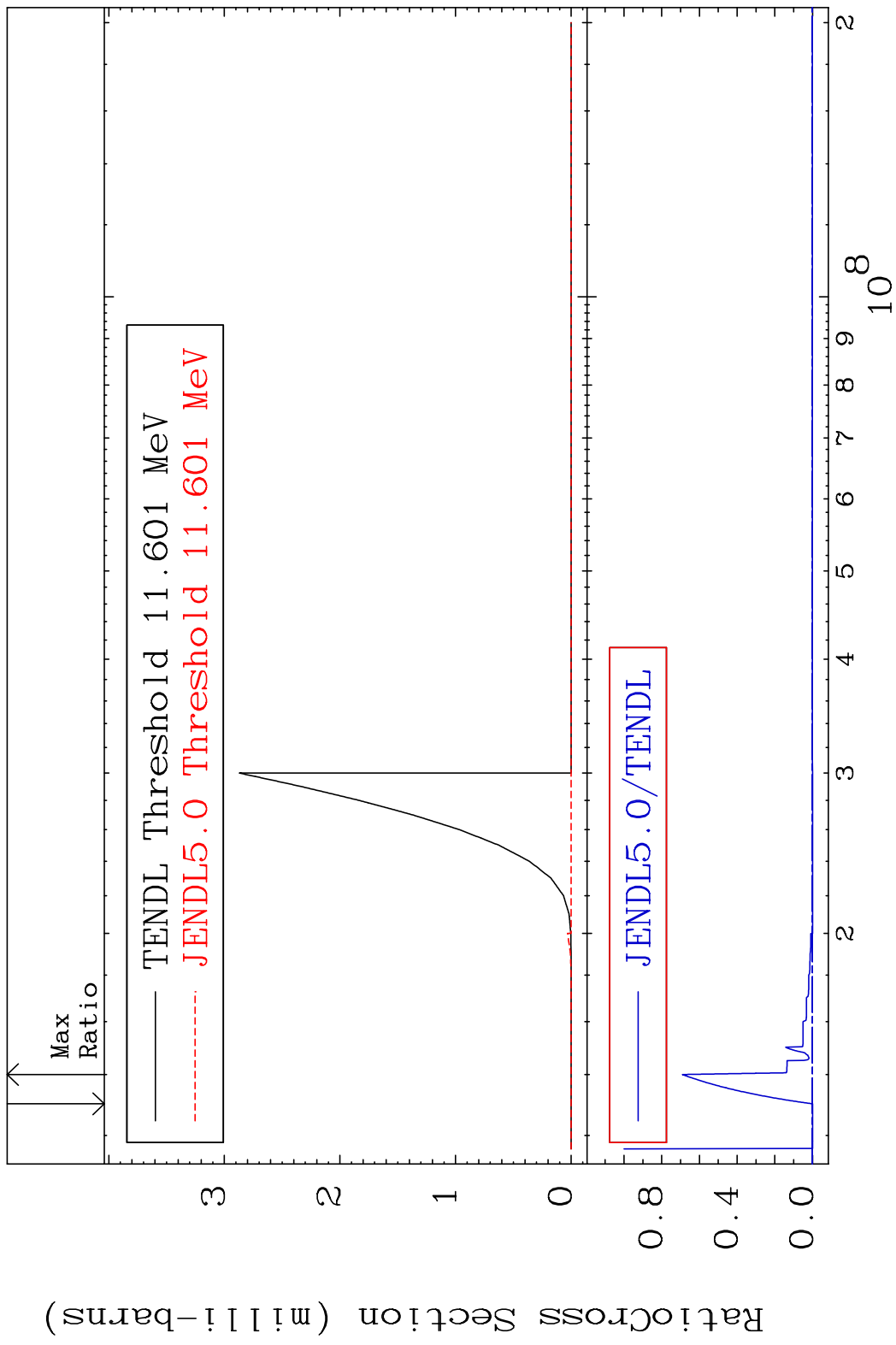


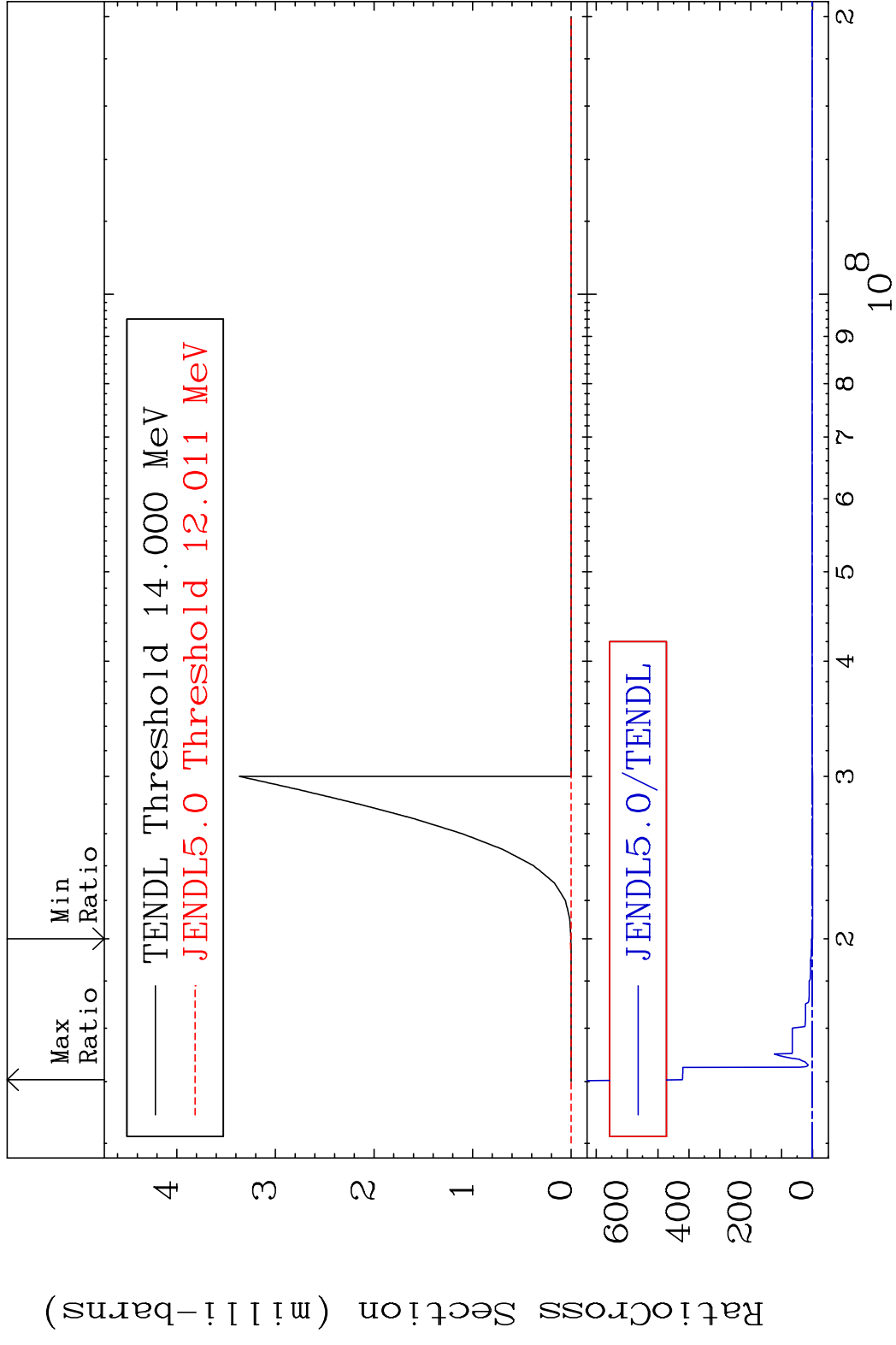


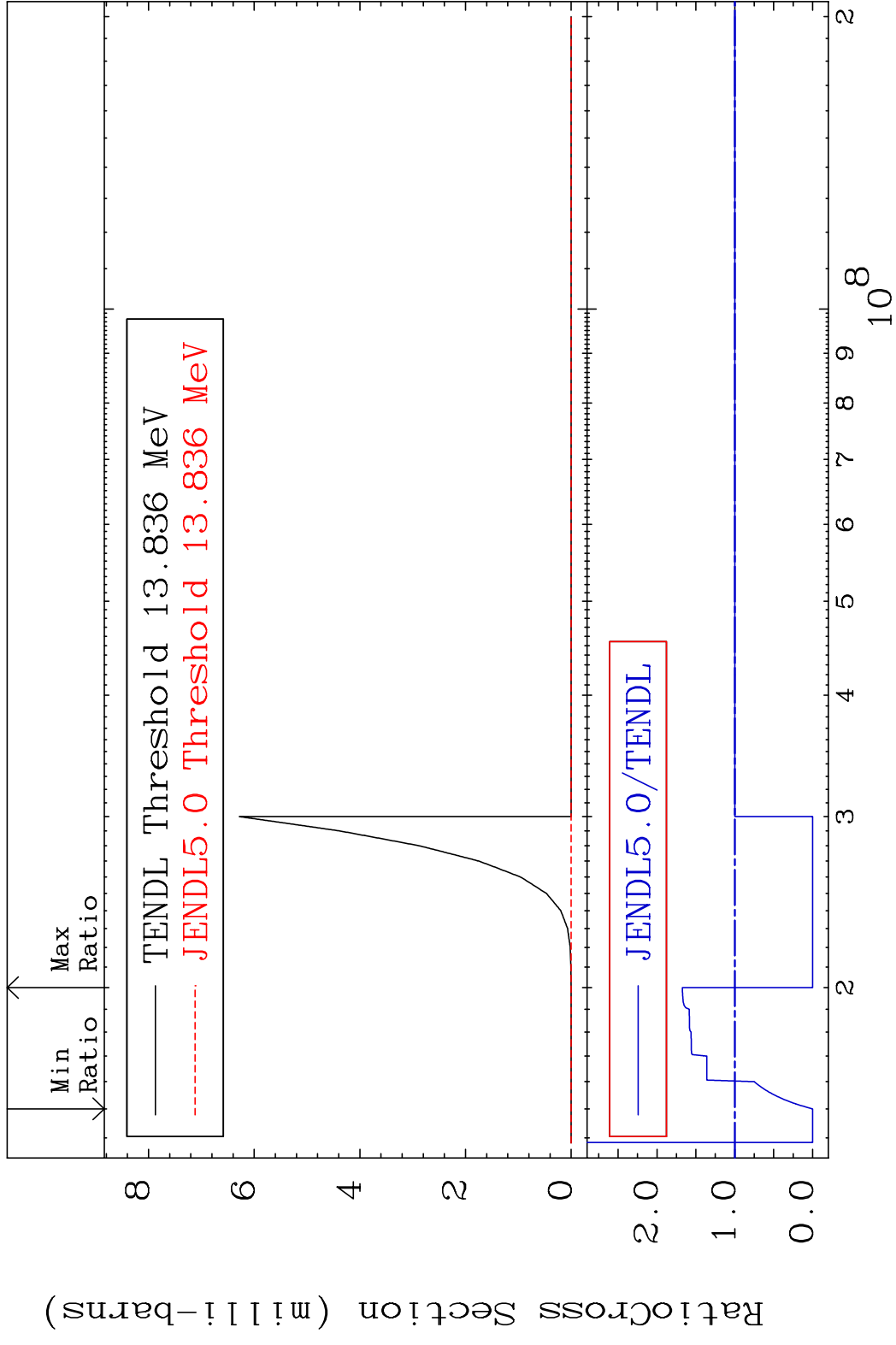
MAT 8034 (n, 3n):80-Hg-197m4 80-Hg-199
 Radionuclide Production Cross Section 180.01 dth 71.35 %

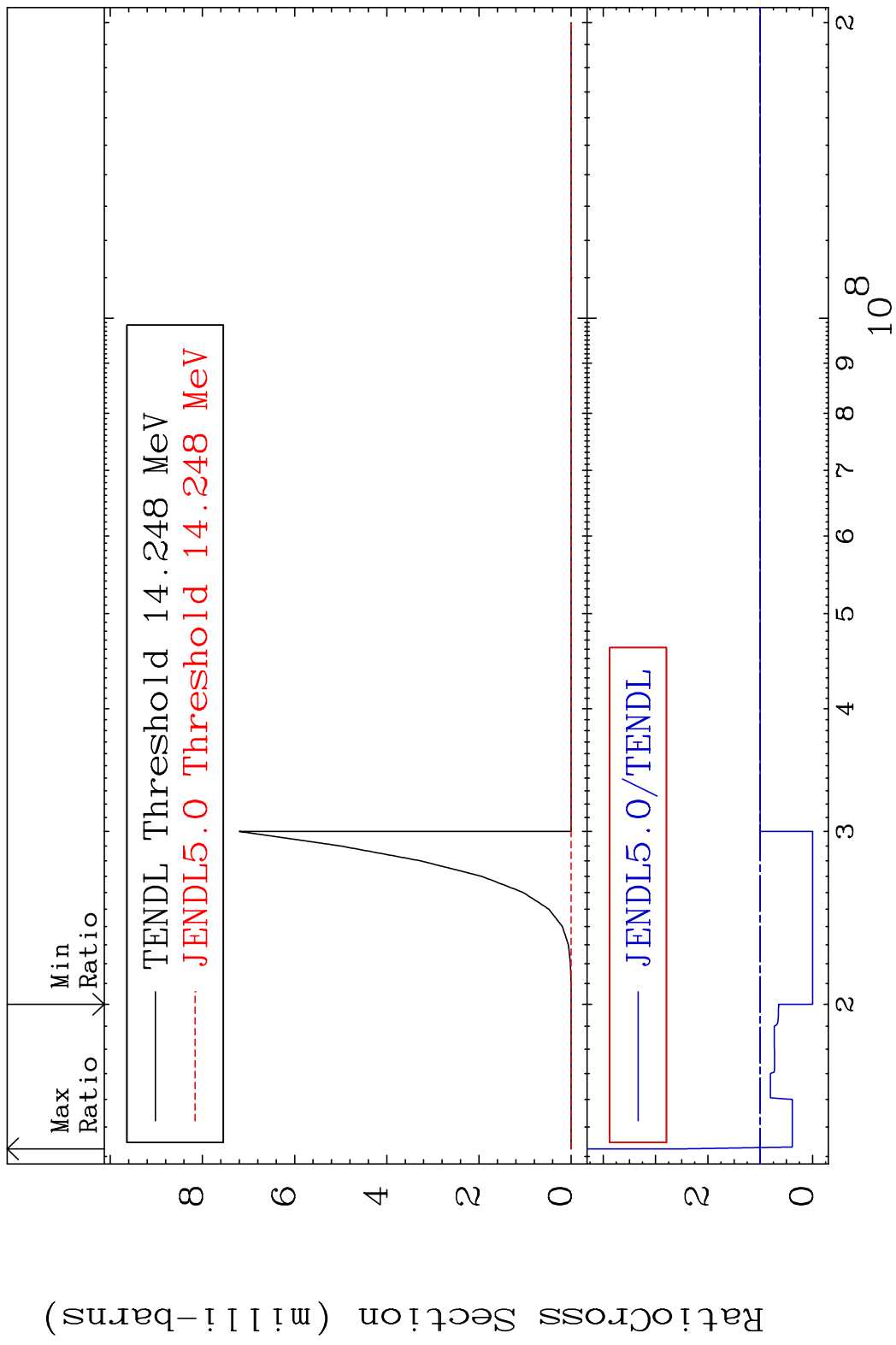


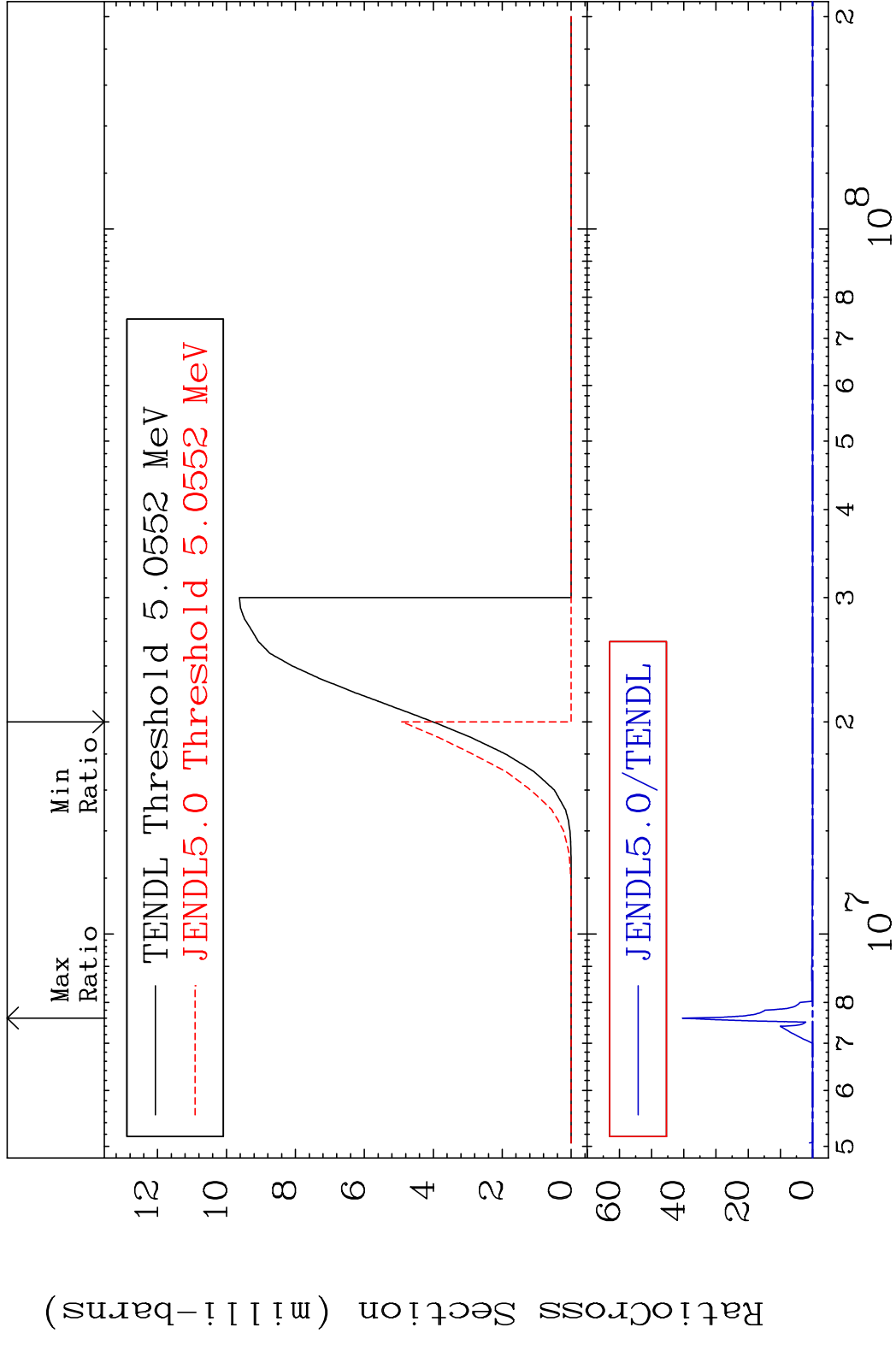




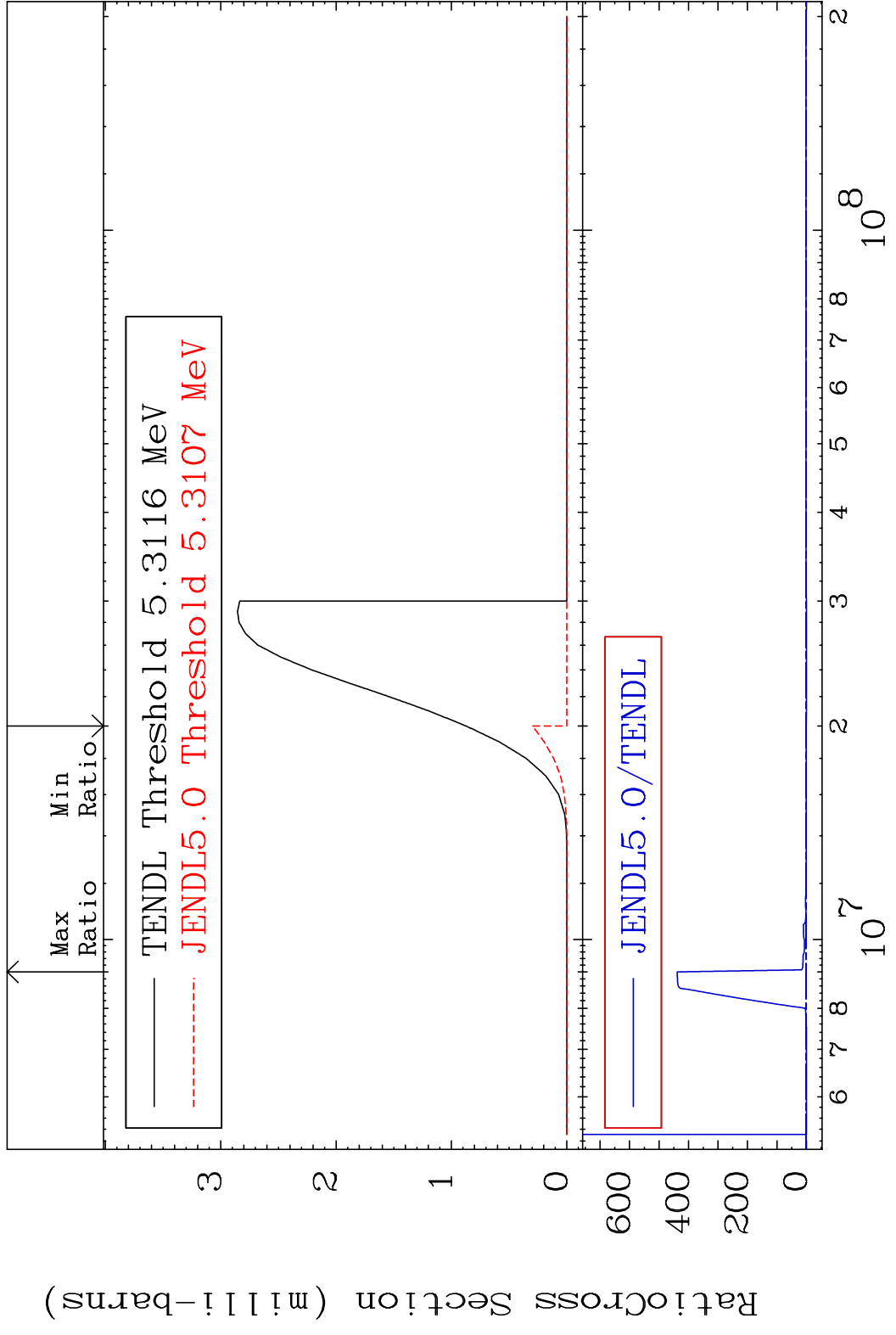






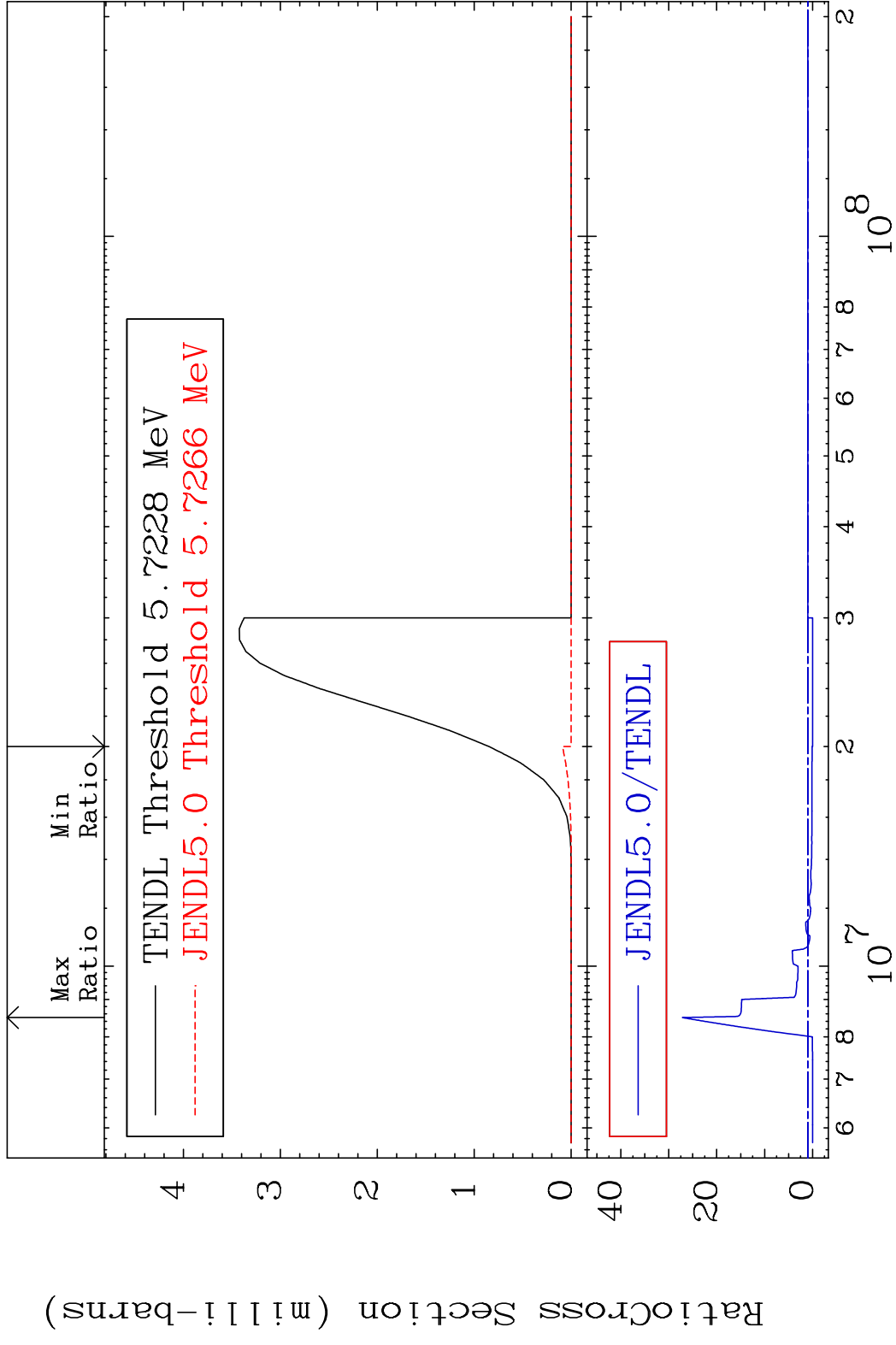


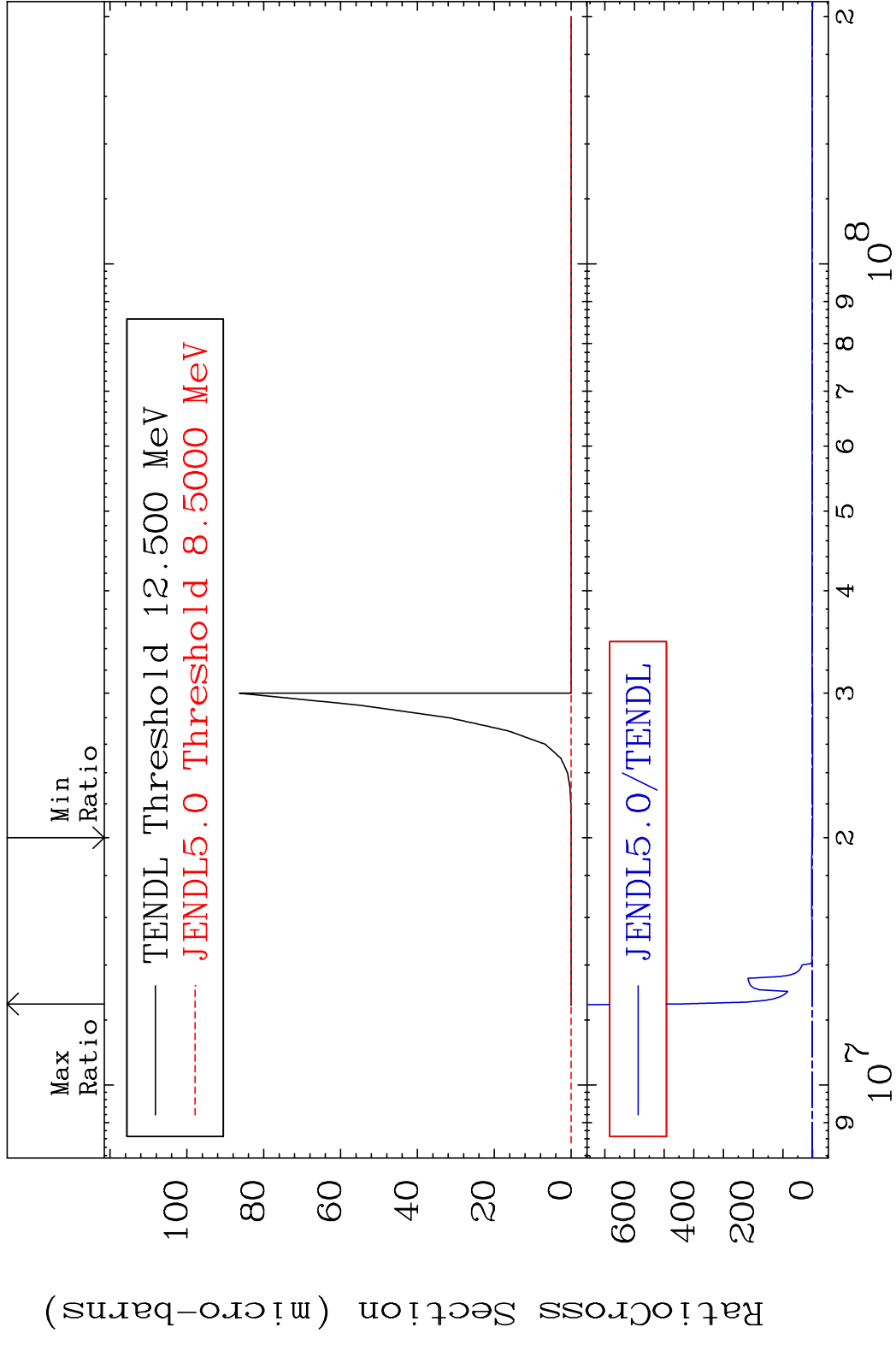
MAT 8034 (n, t):79-Au-197g 80-Hg-199
 Radionuclide Production Cross Section Ratio



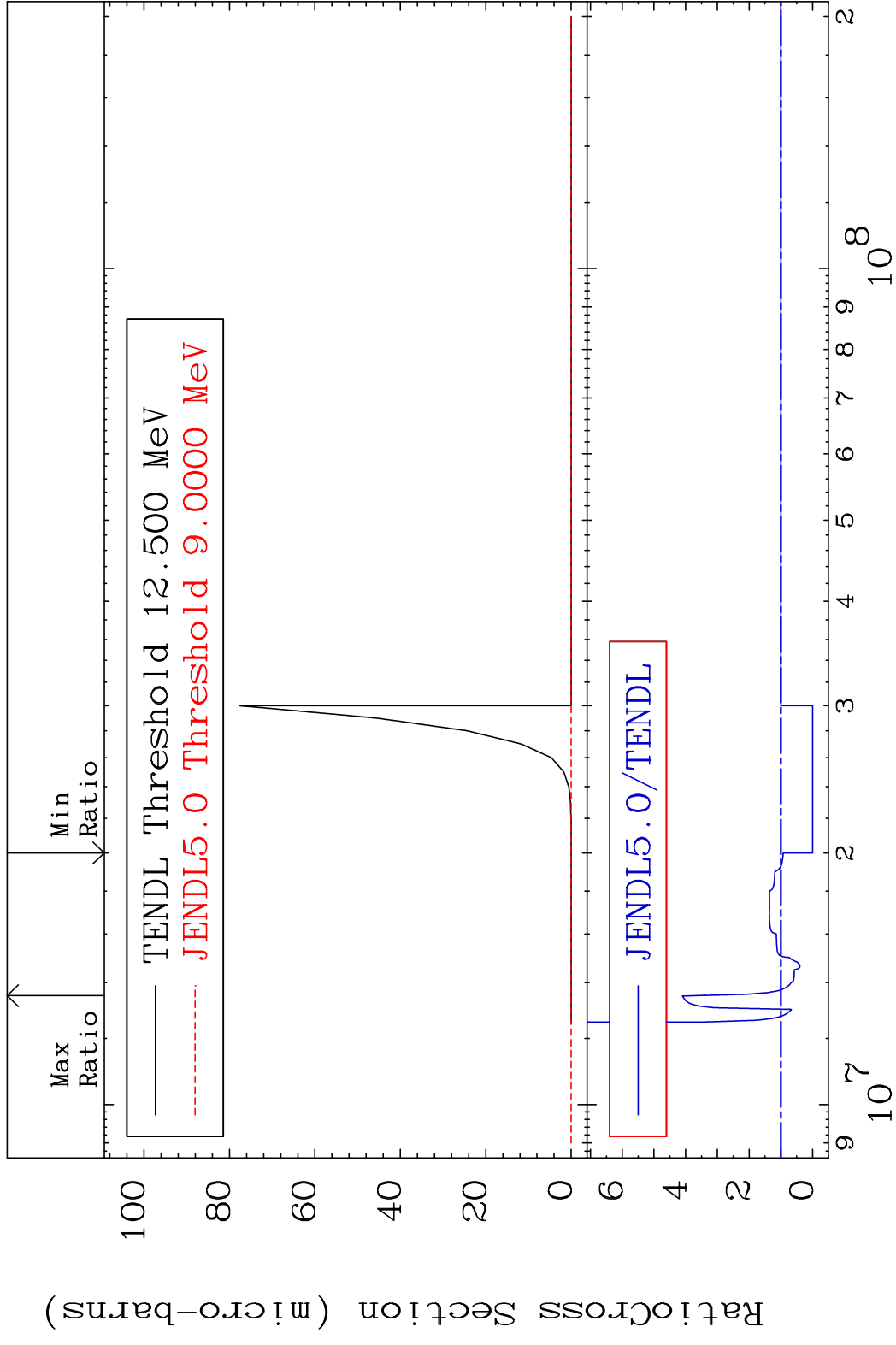
60 80-Hg-199

MAT 8034 (n, t):79-Au-197m4 80-Hg-199
 Radionuclide Production Cross Section Ratio 2617. %

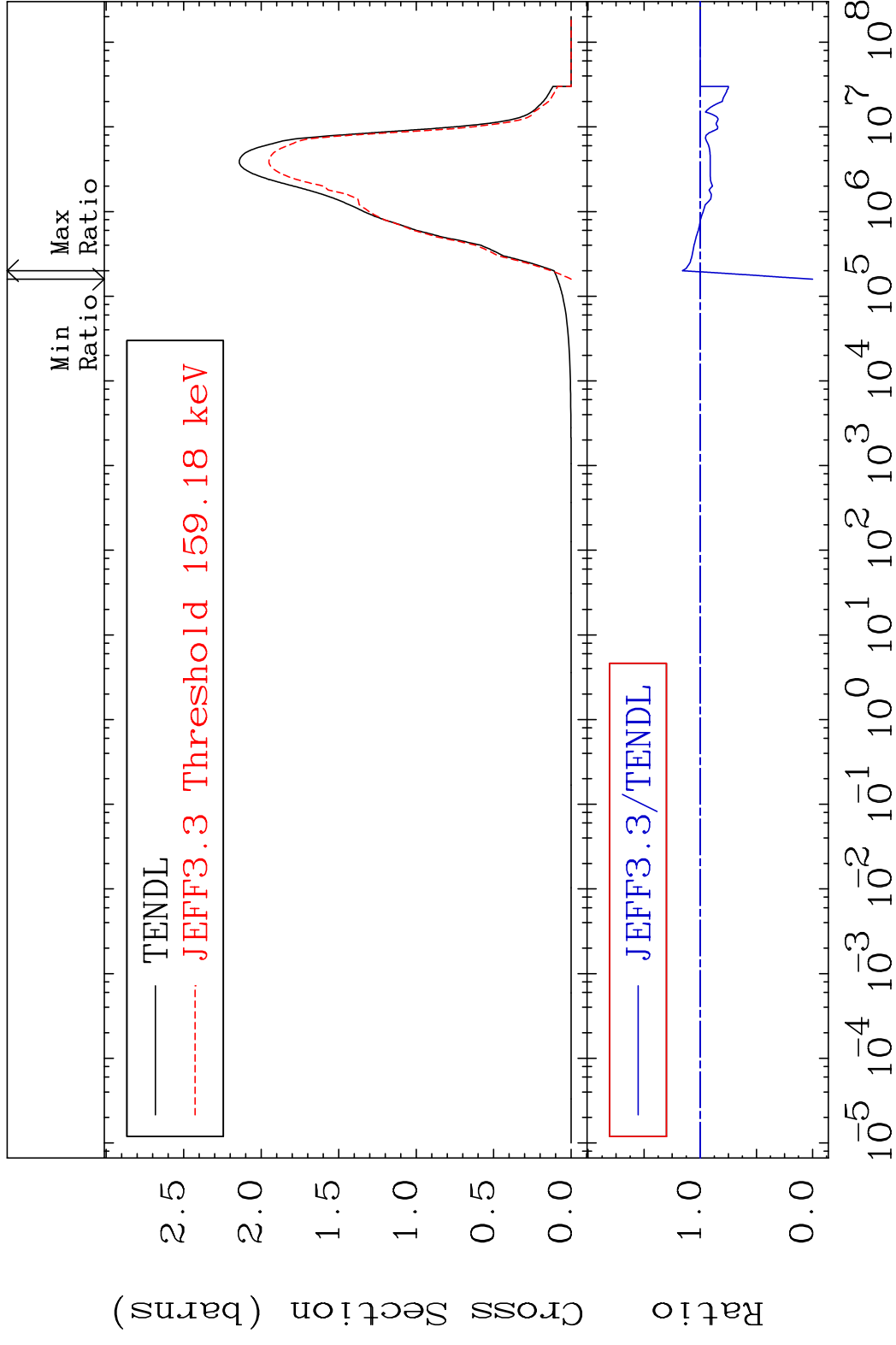


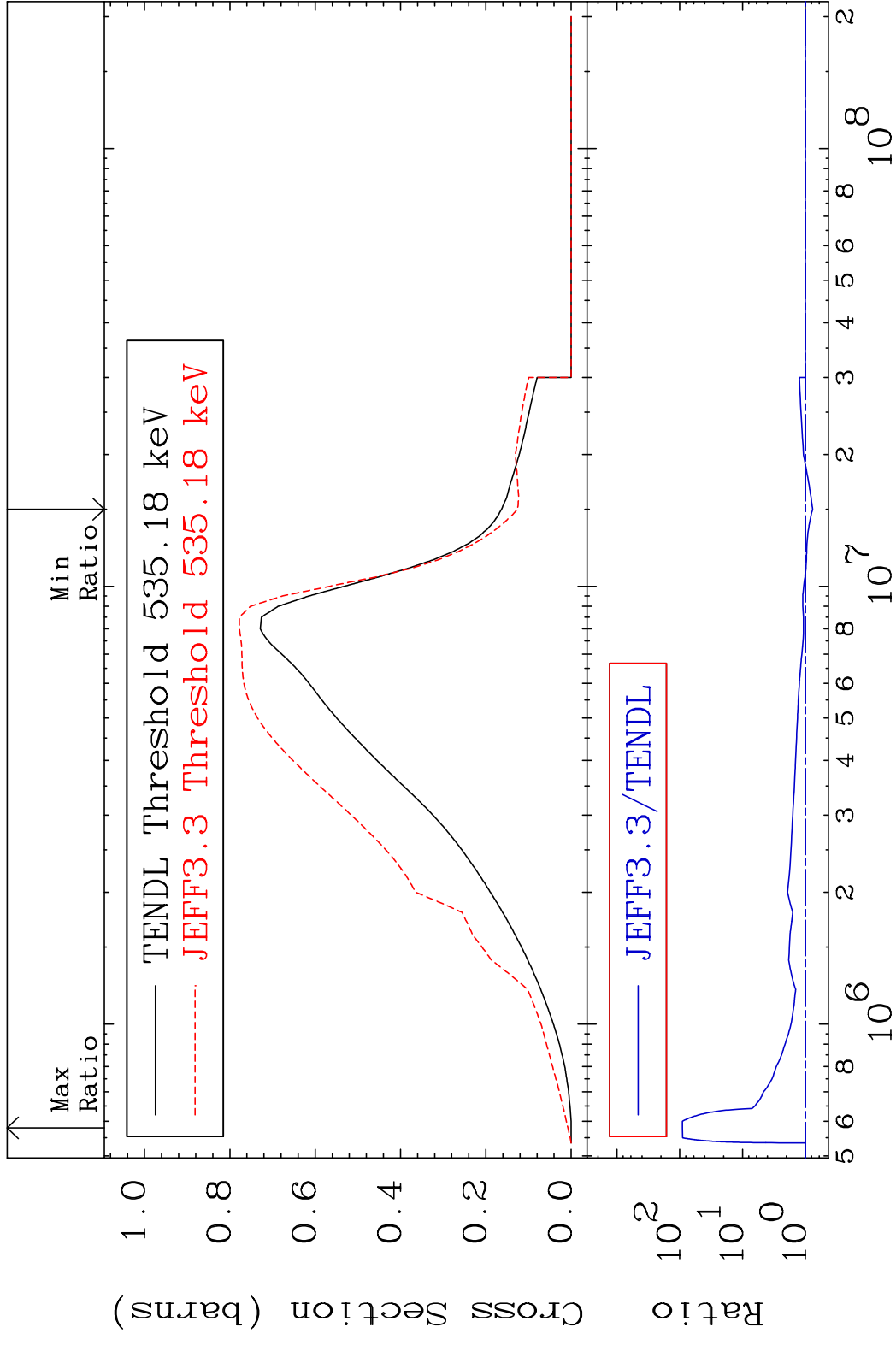


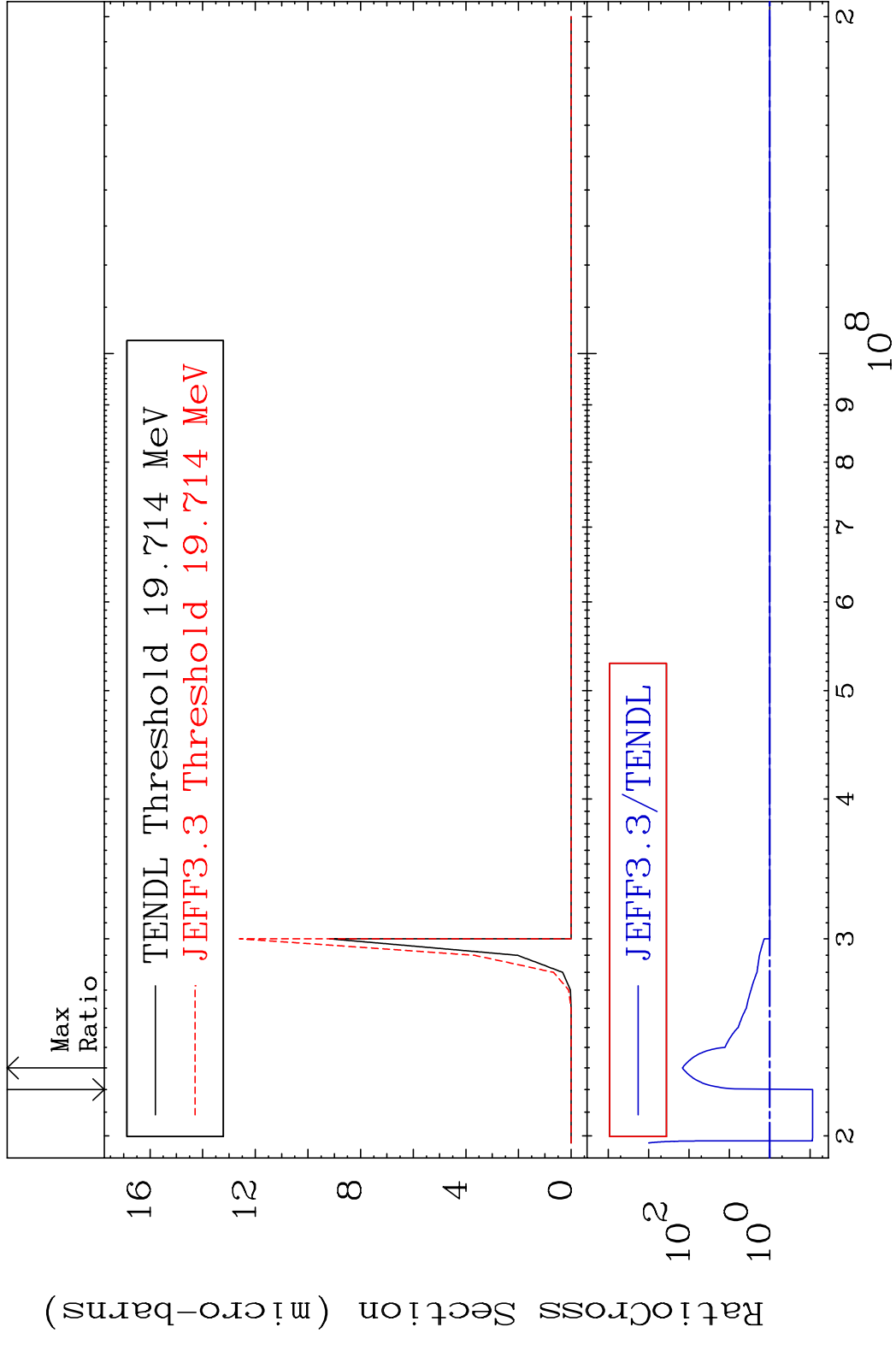
MAT 8034 (n, He-3) : 78-Pt-197m9 80-Hg-199
 Radionuclide Production Cross Section 180.0 dth 310.4 %

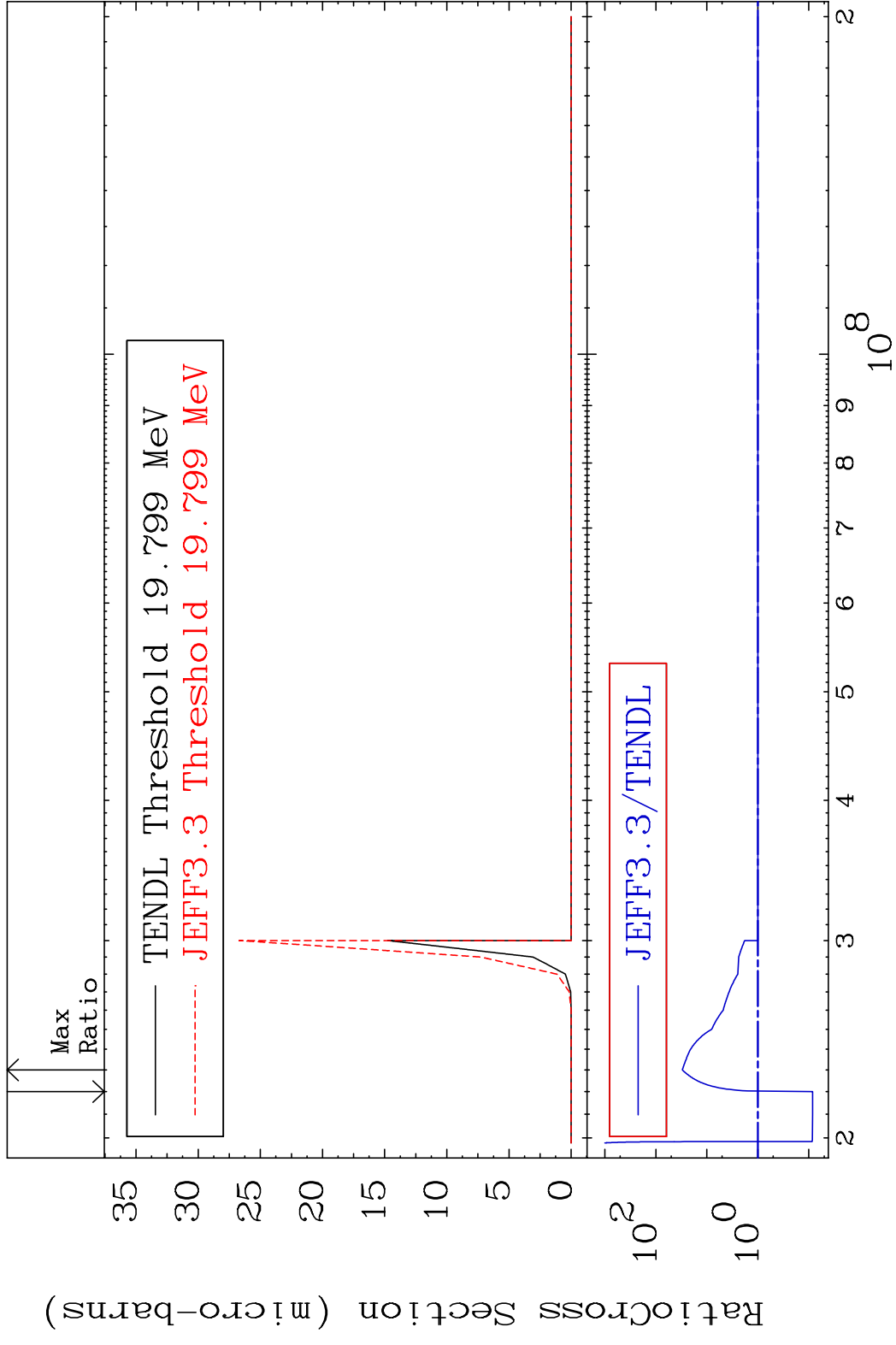


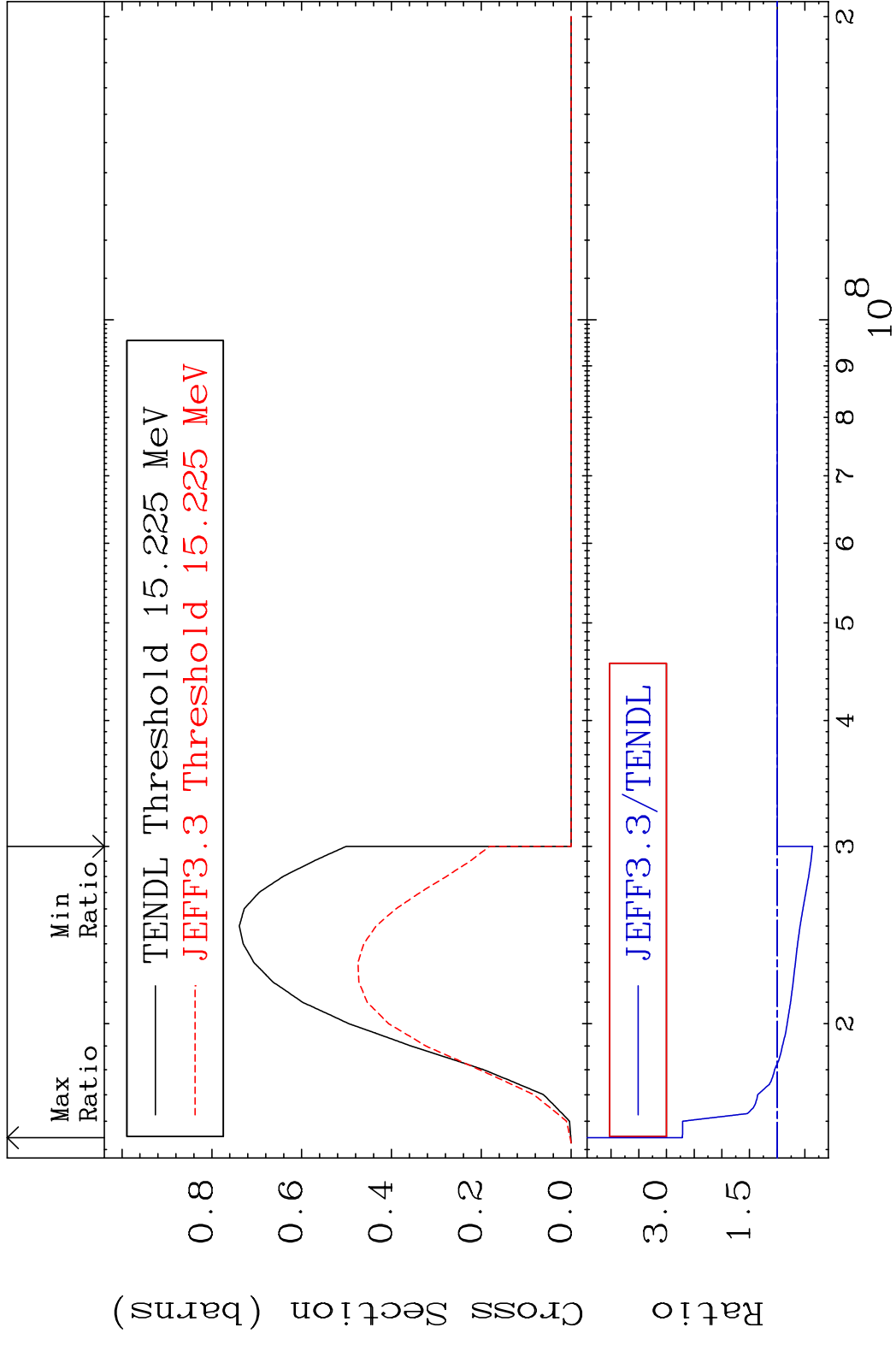
63 80-Hg-199

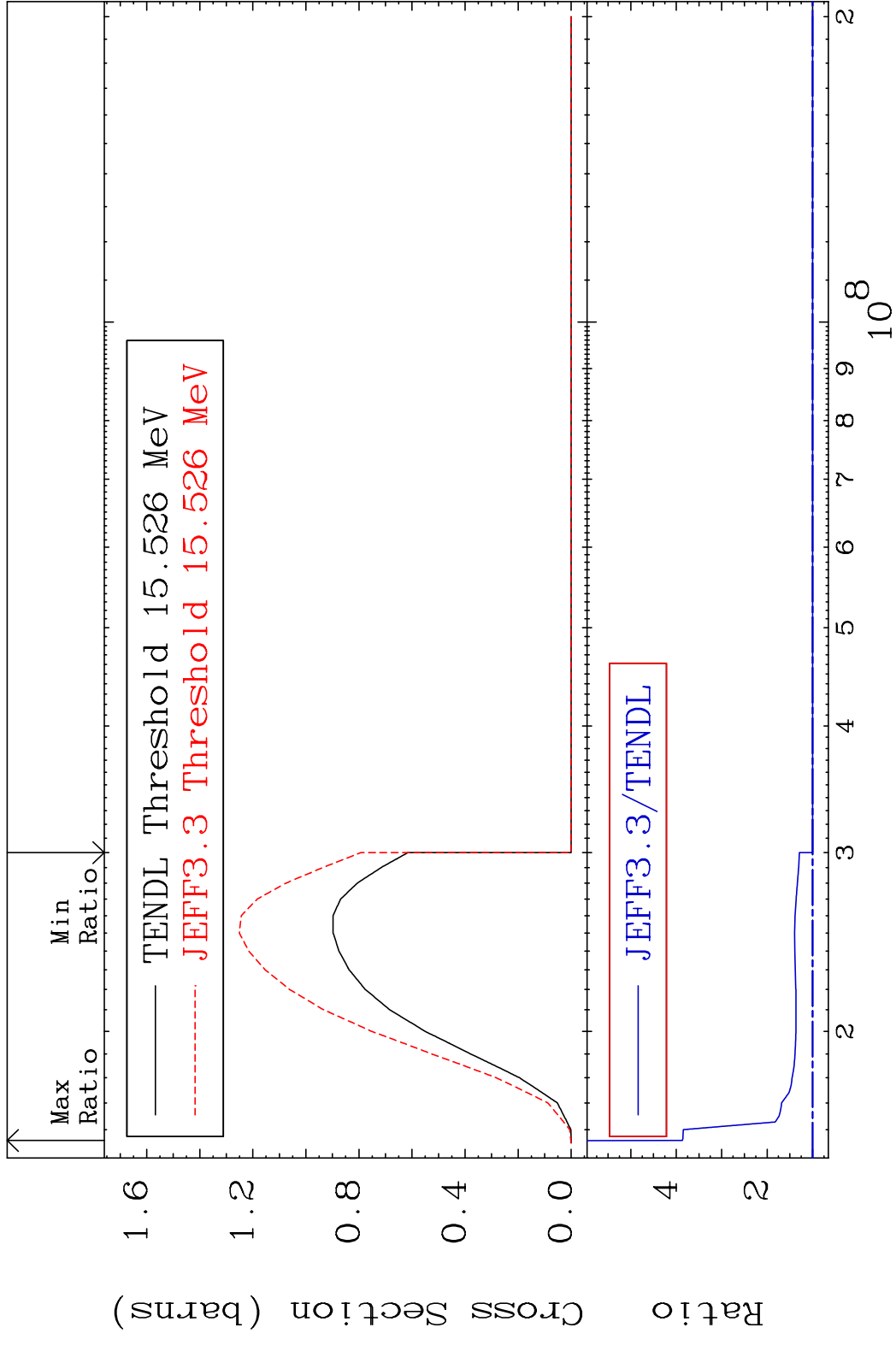


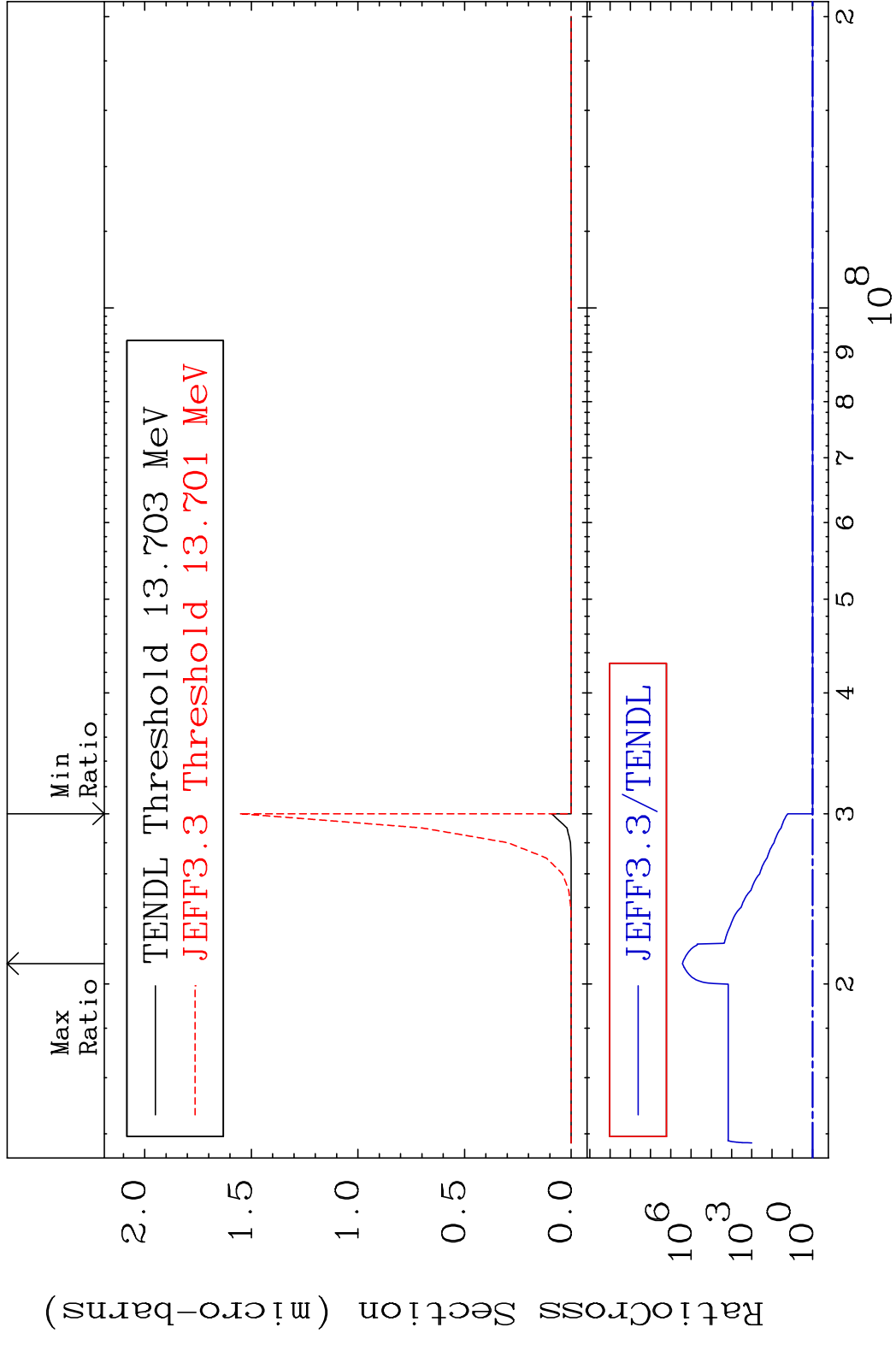


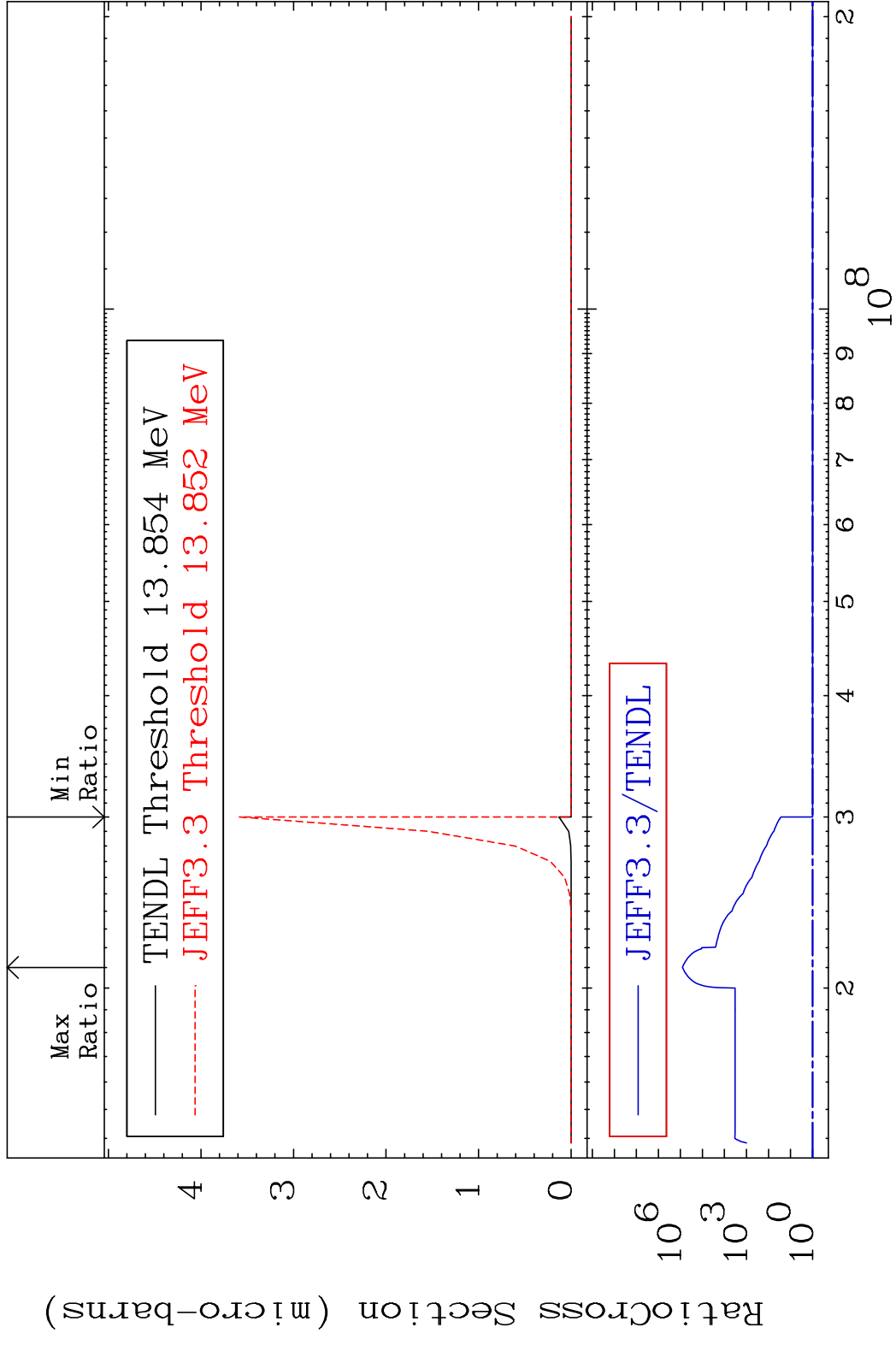


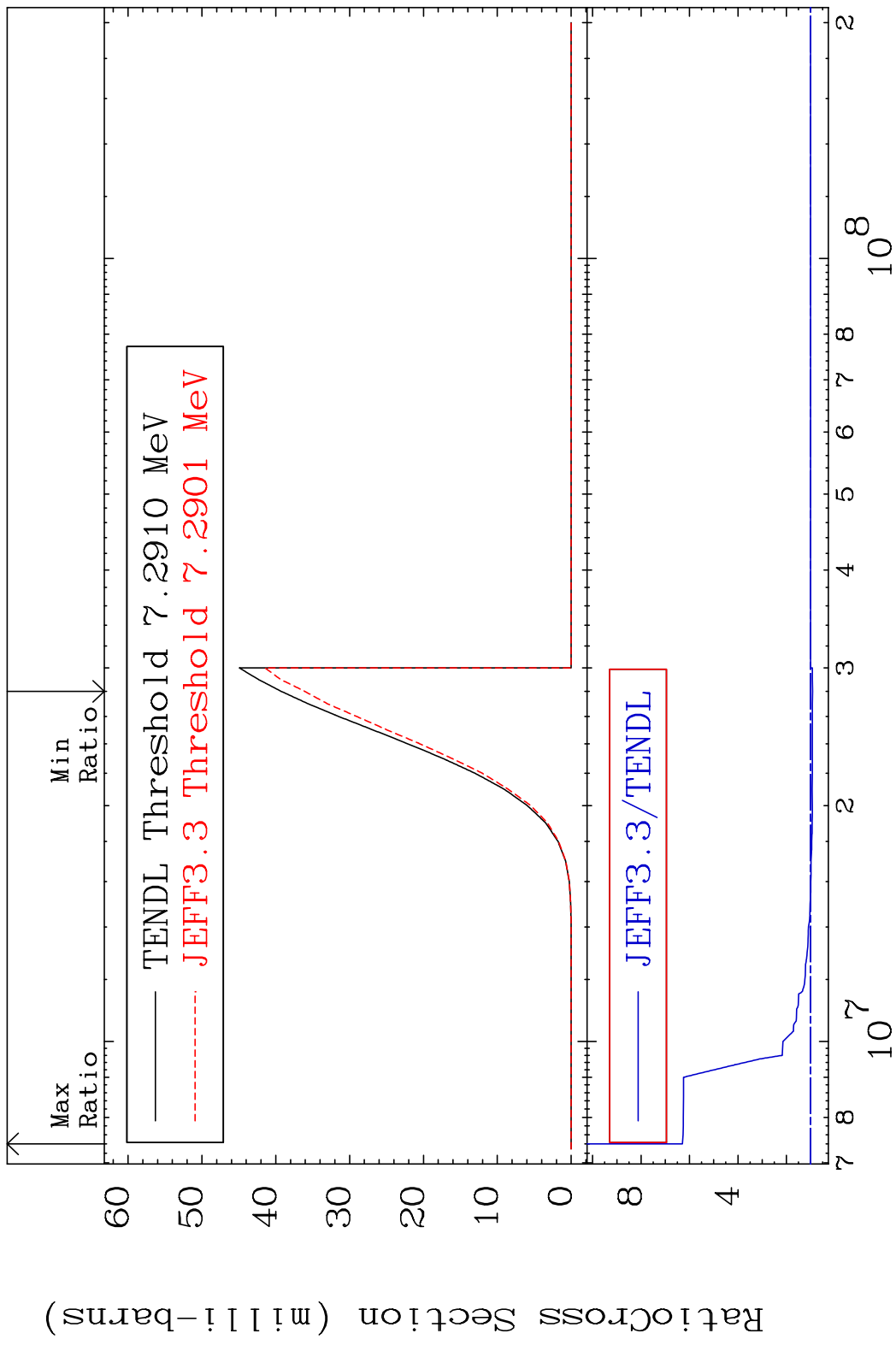


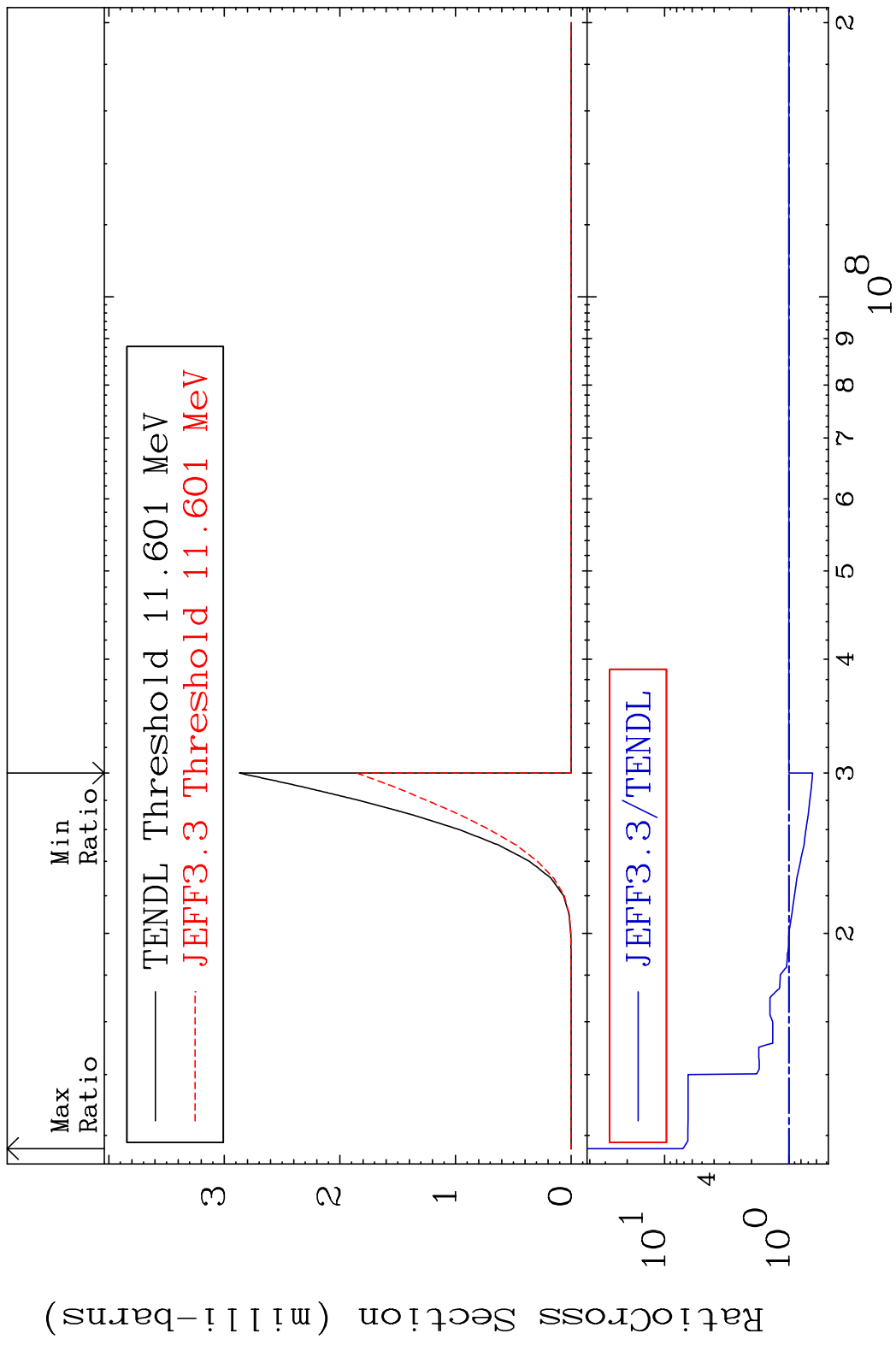


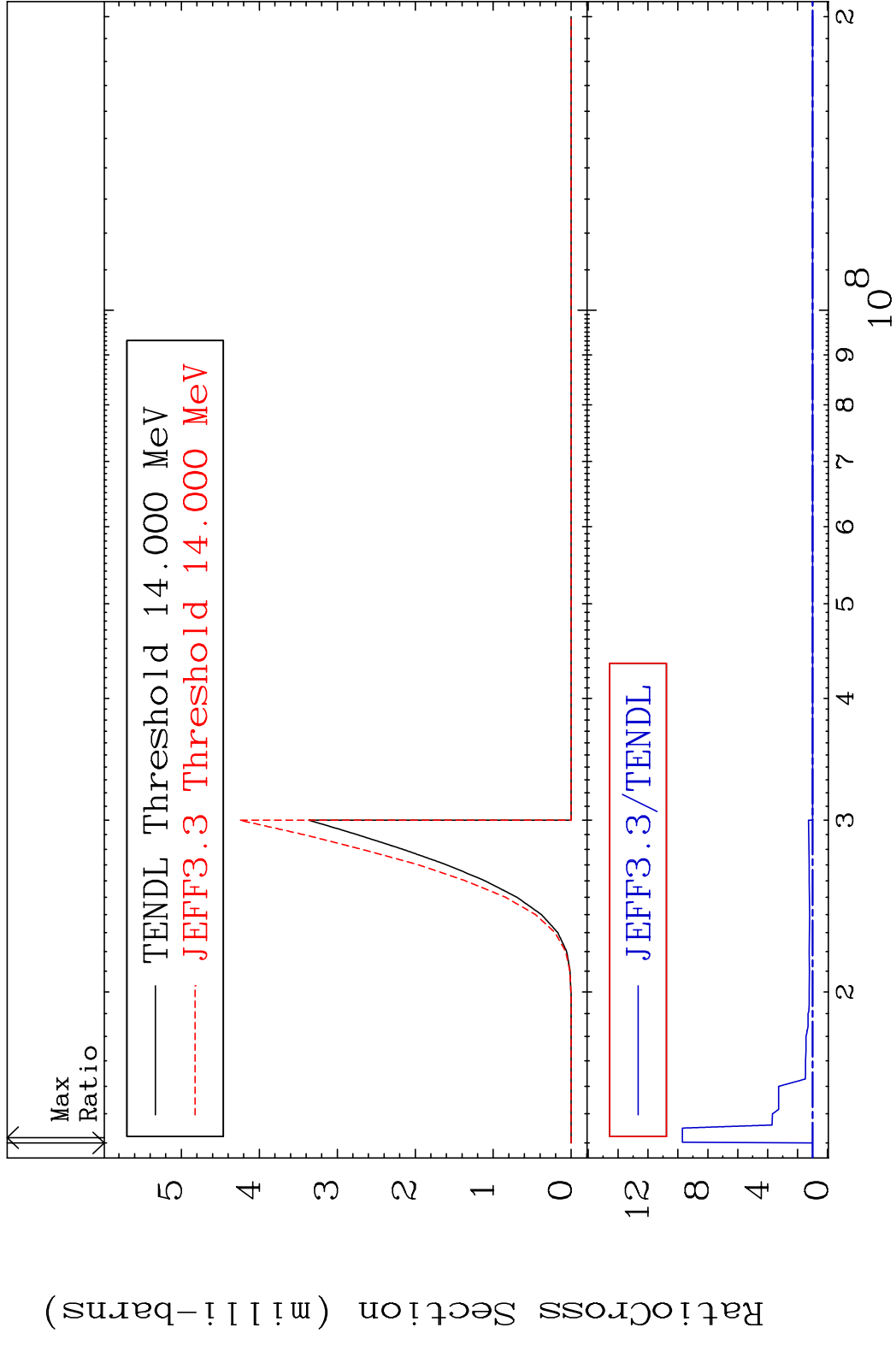


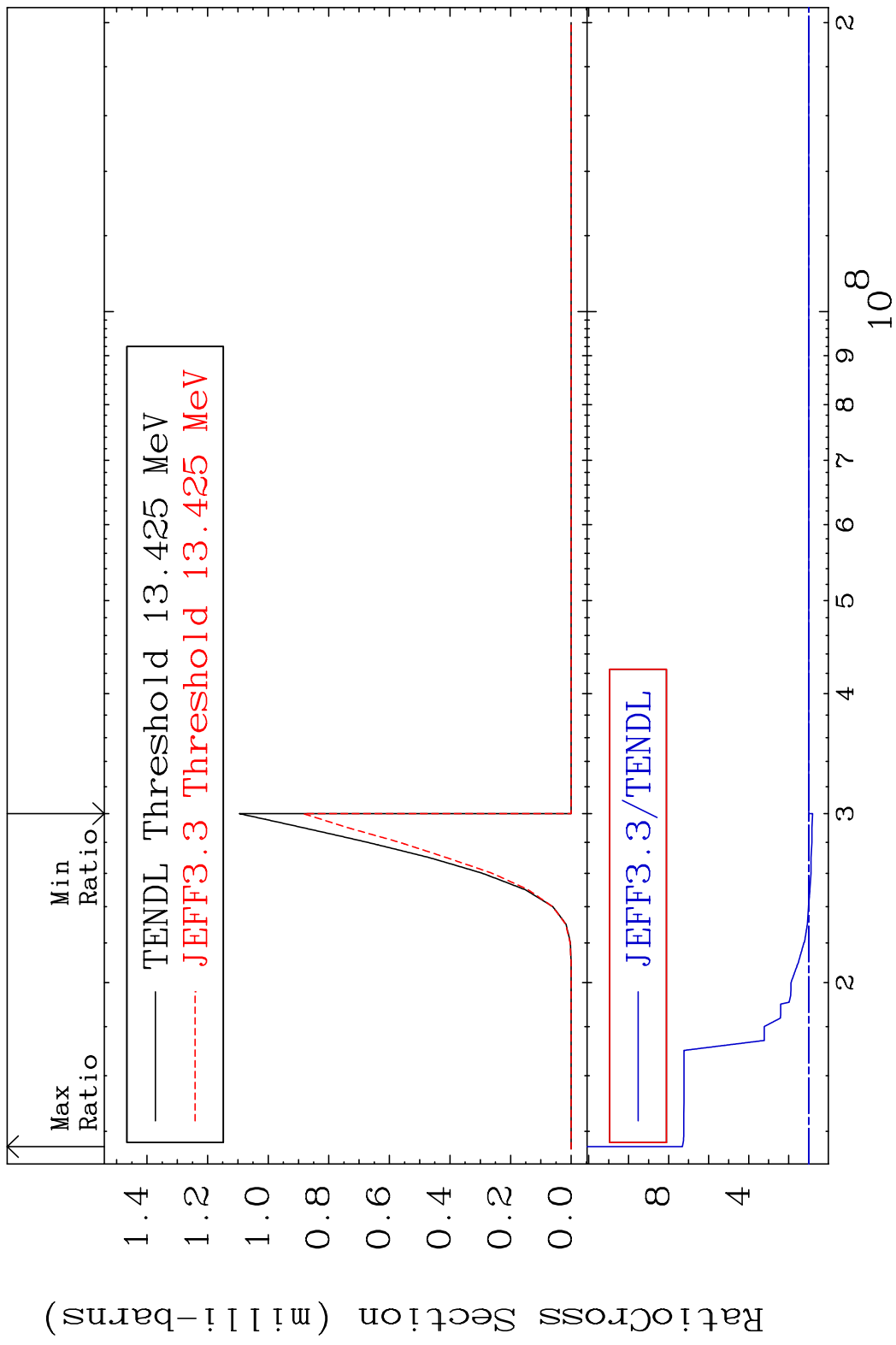




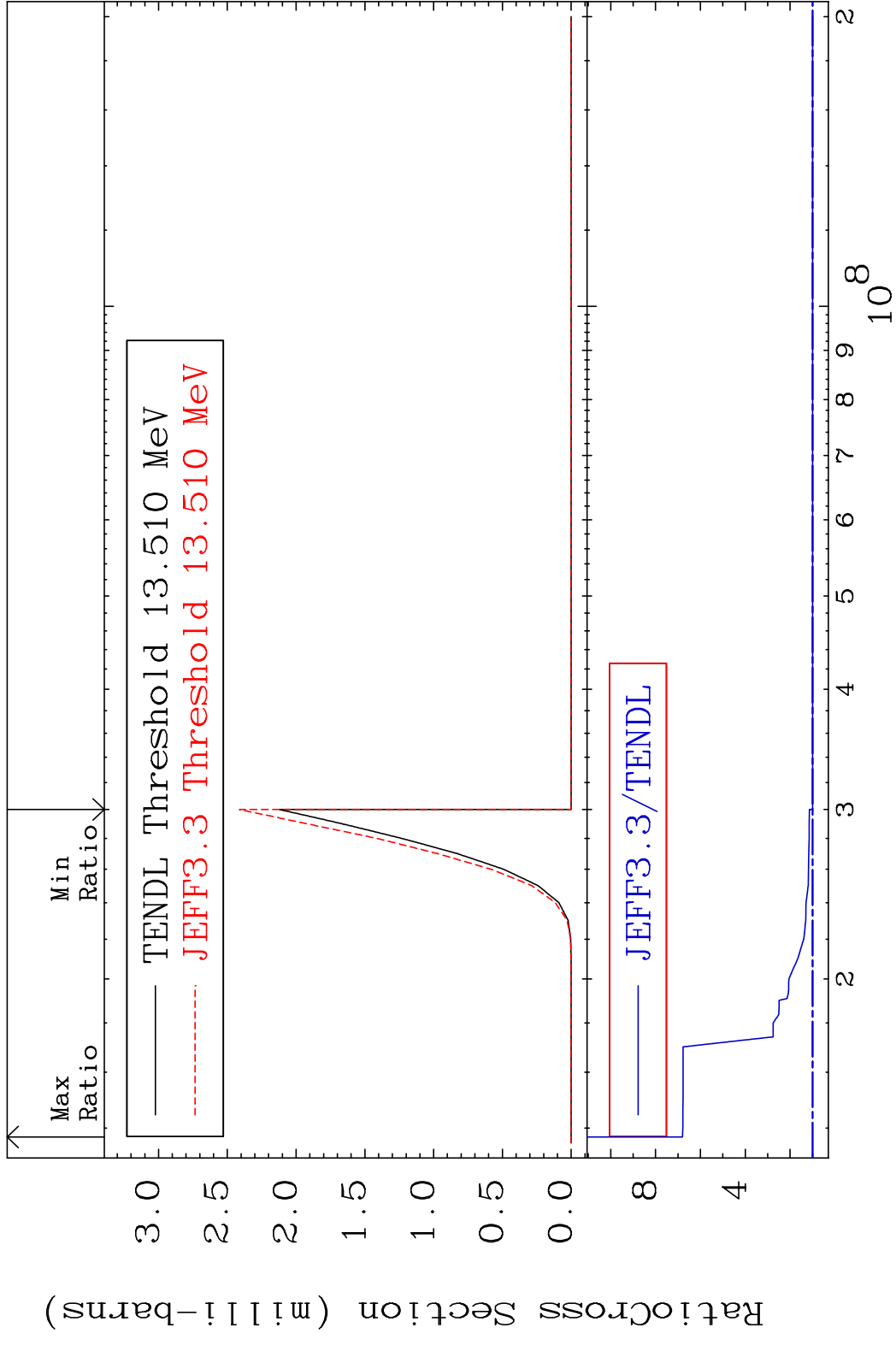


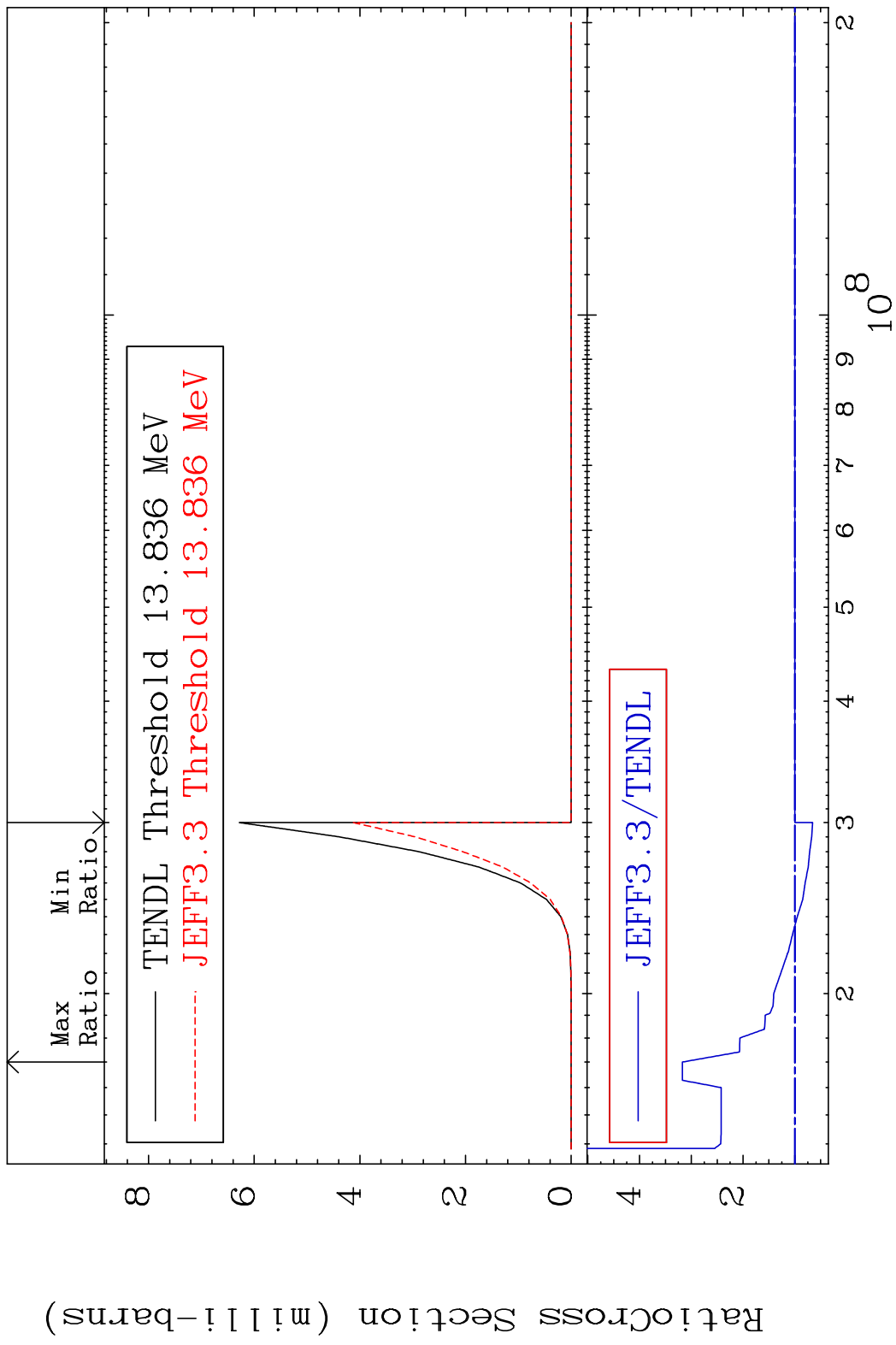


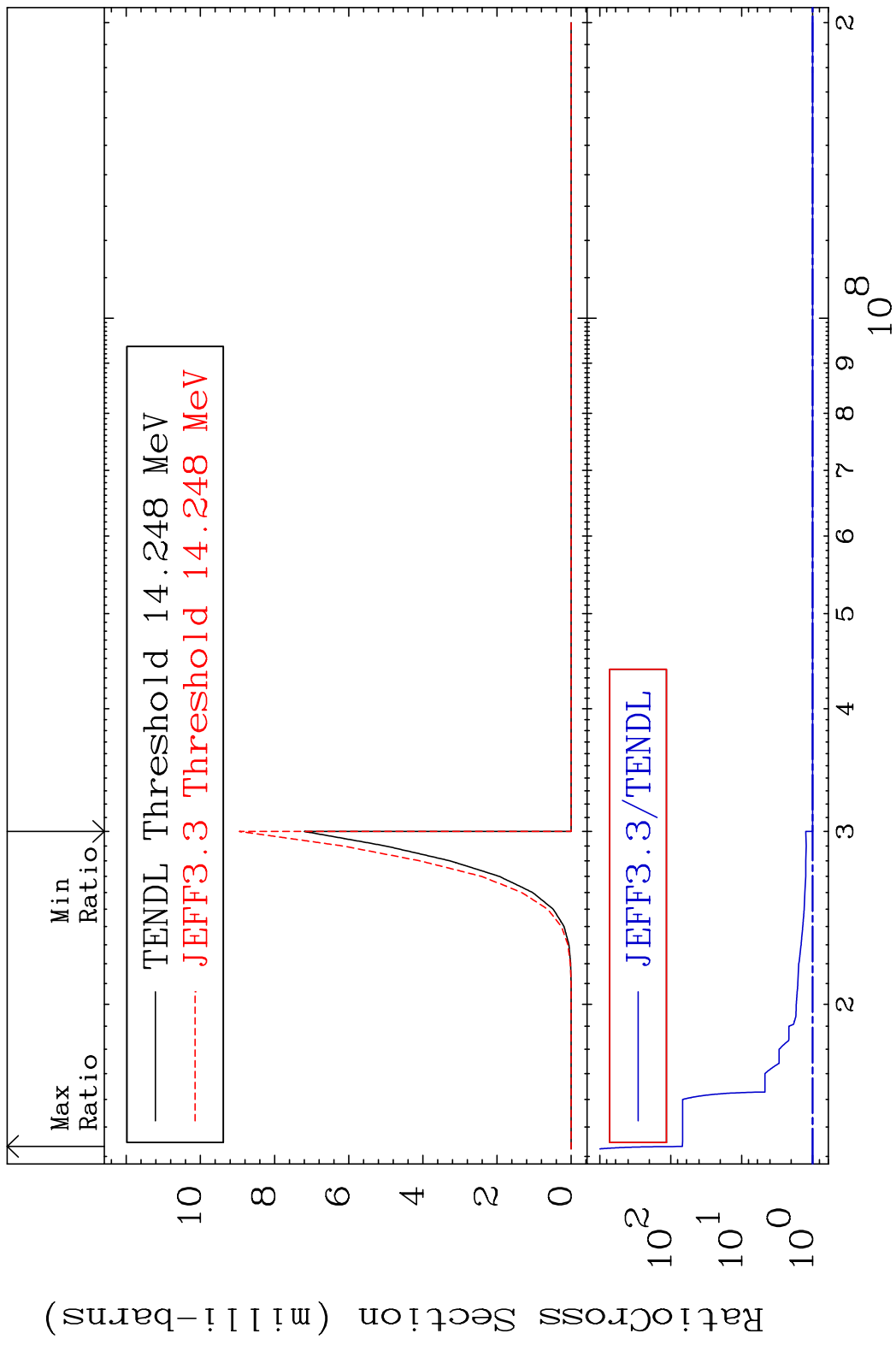


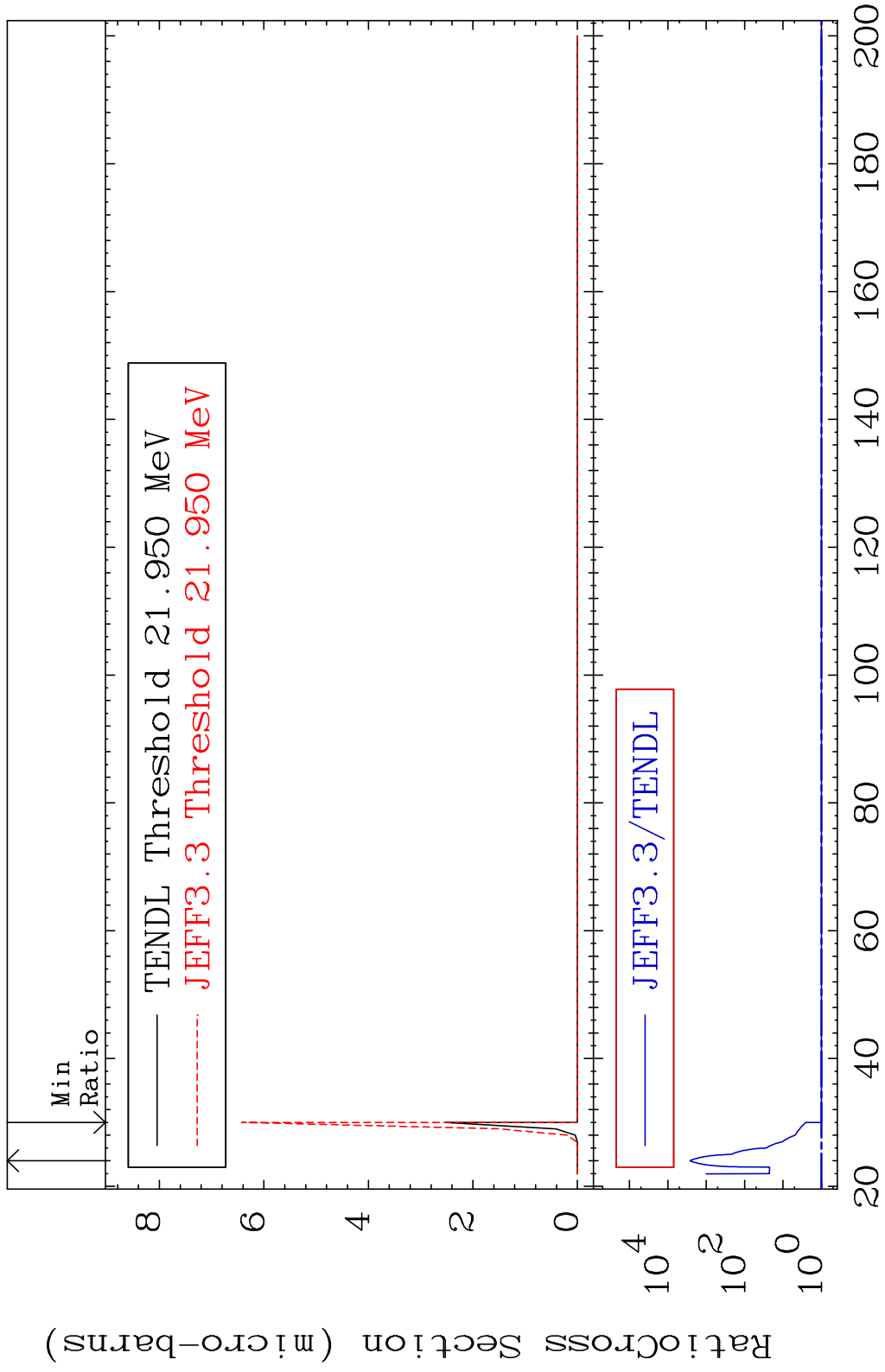


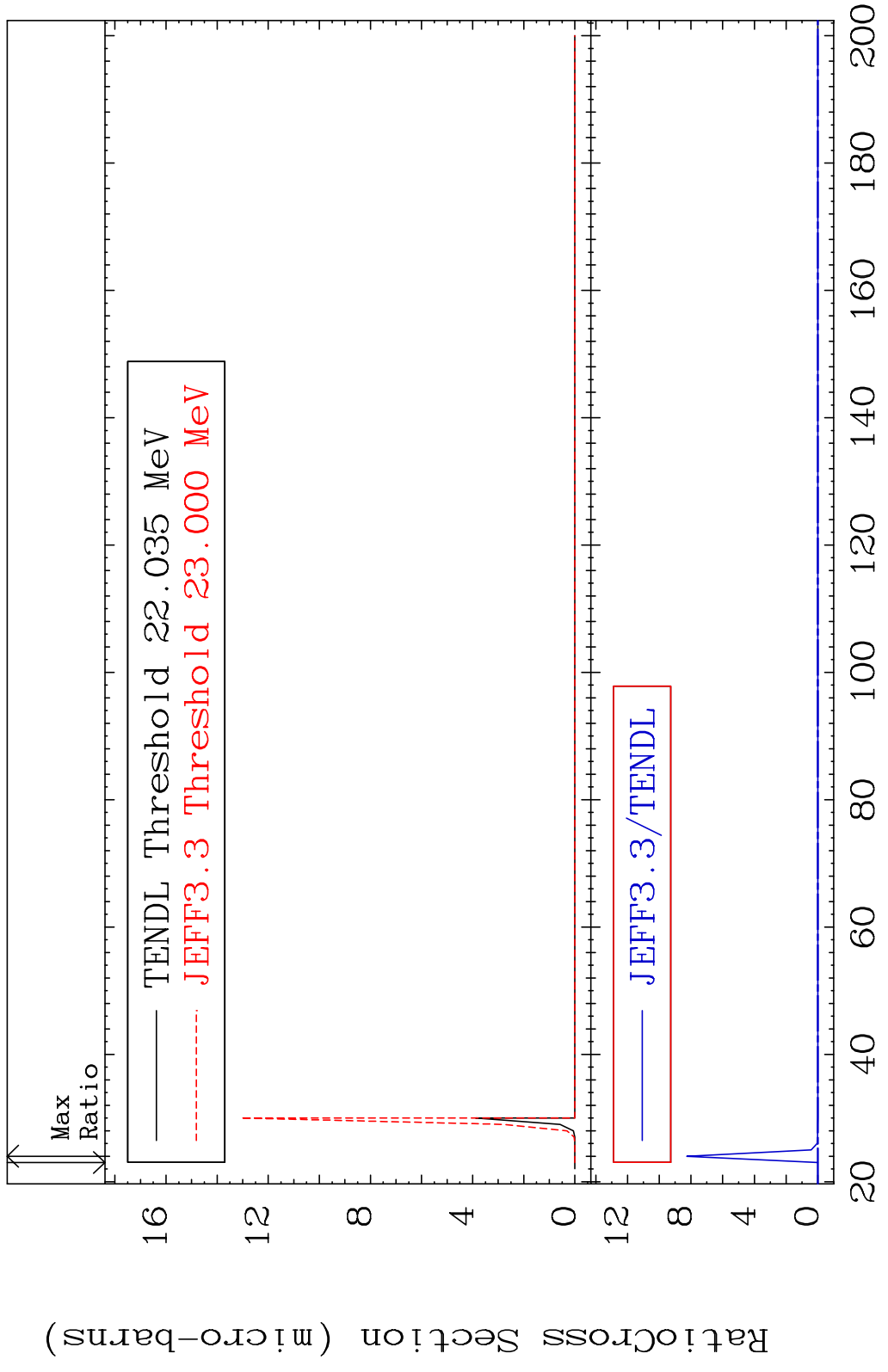
MAT 8034 (n, n') t:79-Au-196m3 80-Hg-199
 Radionuclide Production Cross Section 580.6 %

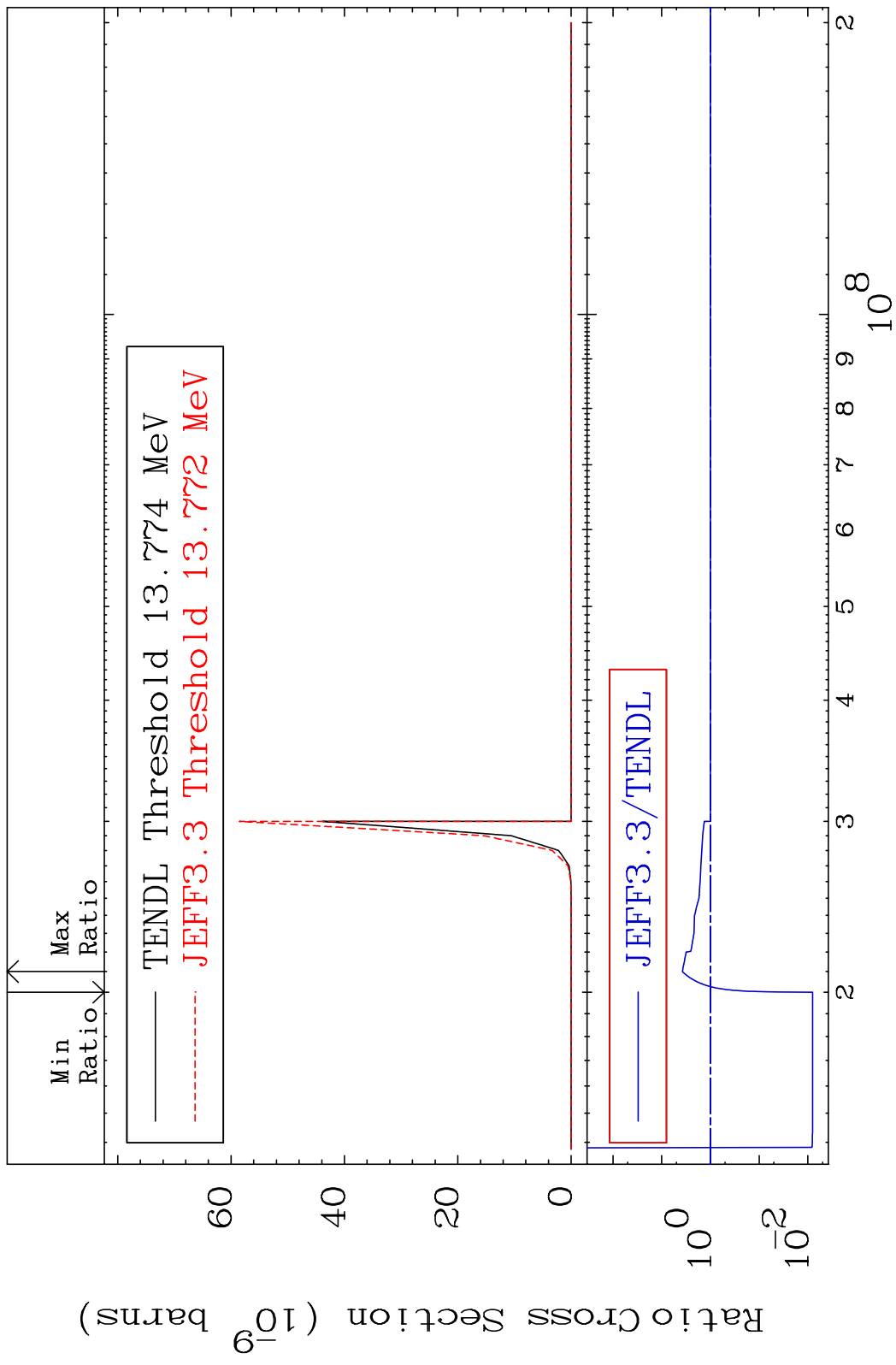


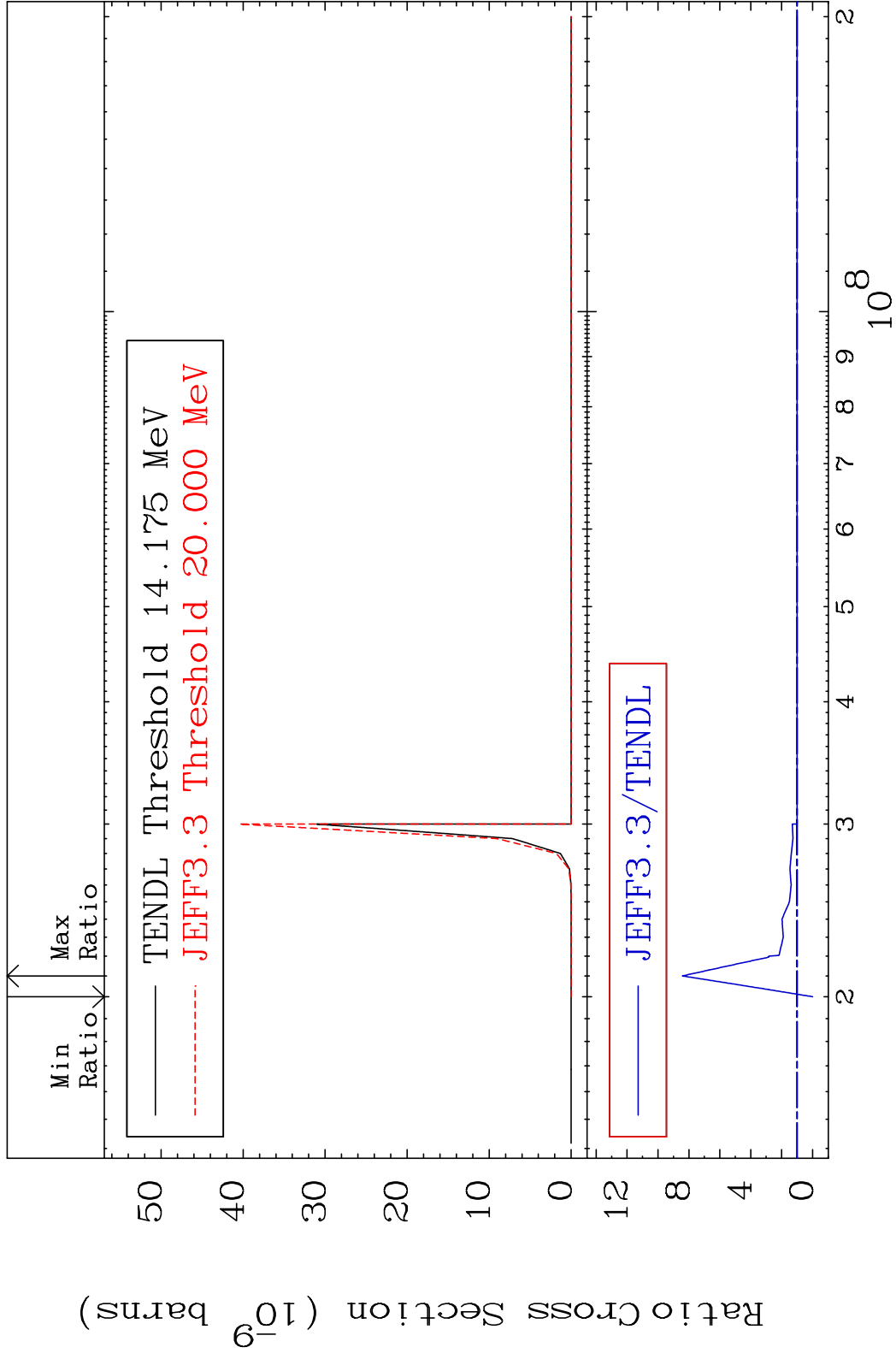


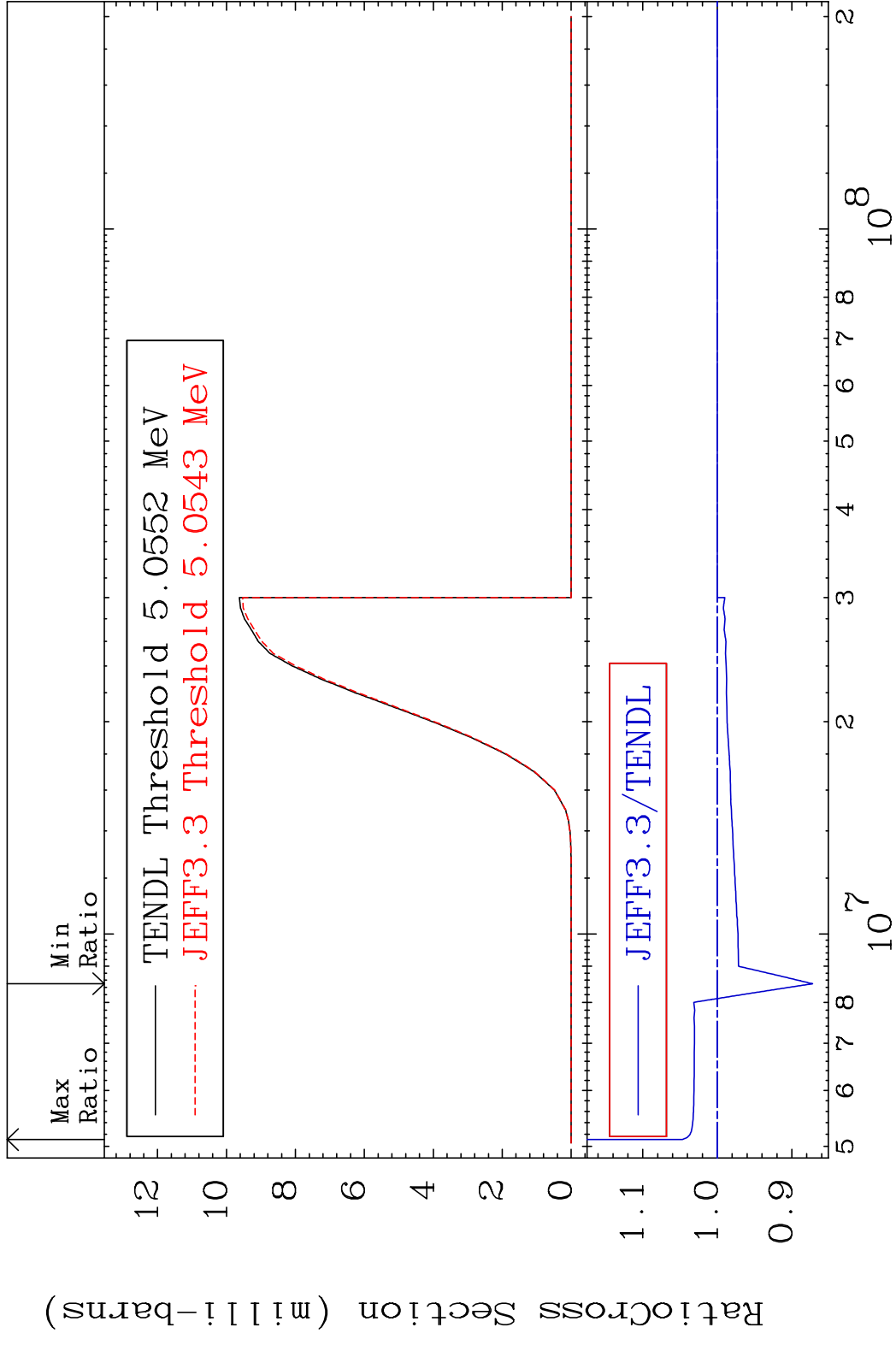




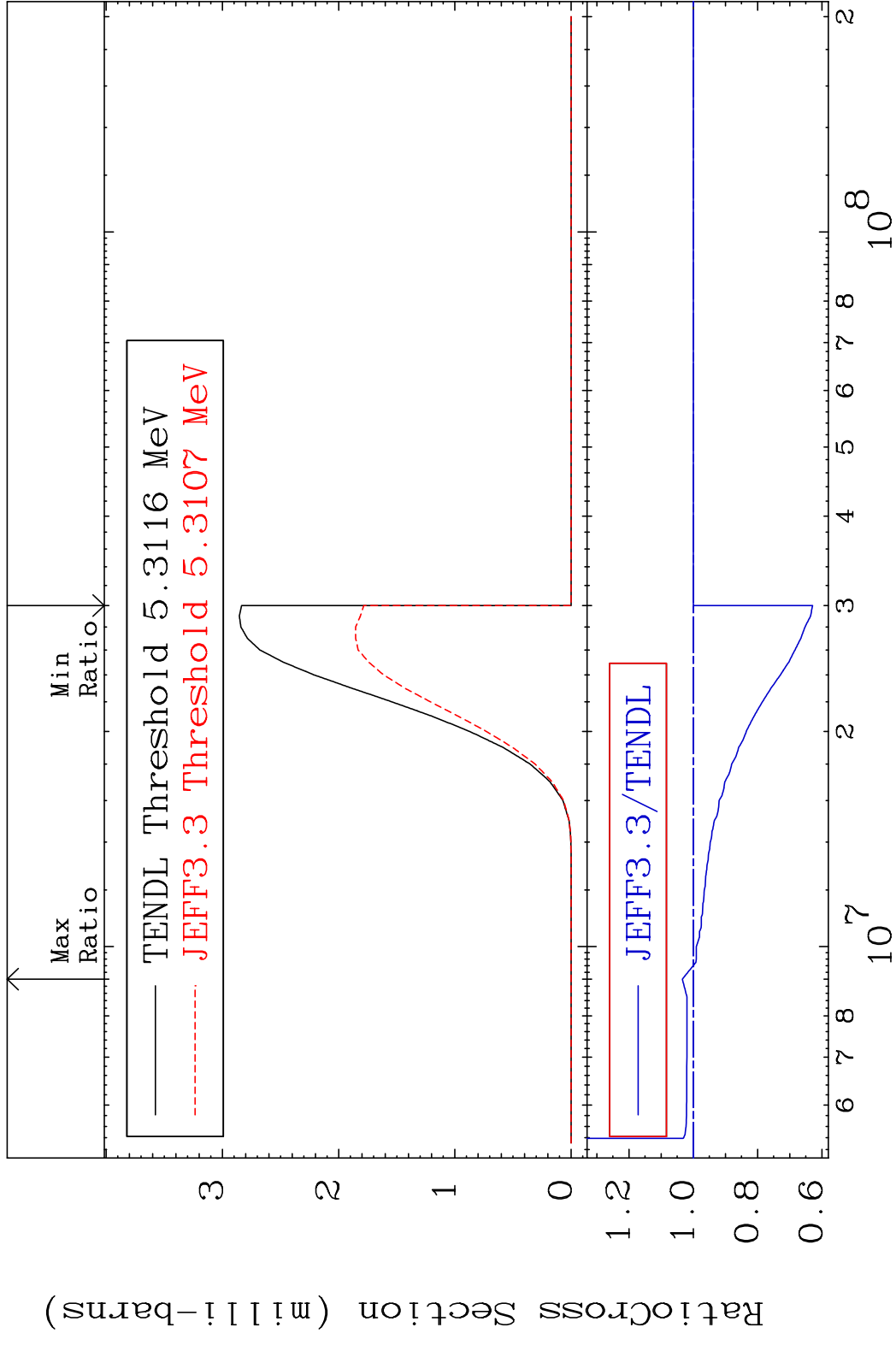








MAT 8034 (n, t): 79-Au-197g 80-Hg-199
 Radionuclide Production Cross Section 3.407 %



MAT 8034 (n, t):79-Au-197m4 80-Hg-199
 Radionuclide Production Cross Section 30.01 %

