

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

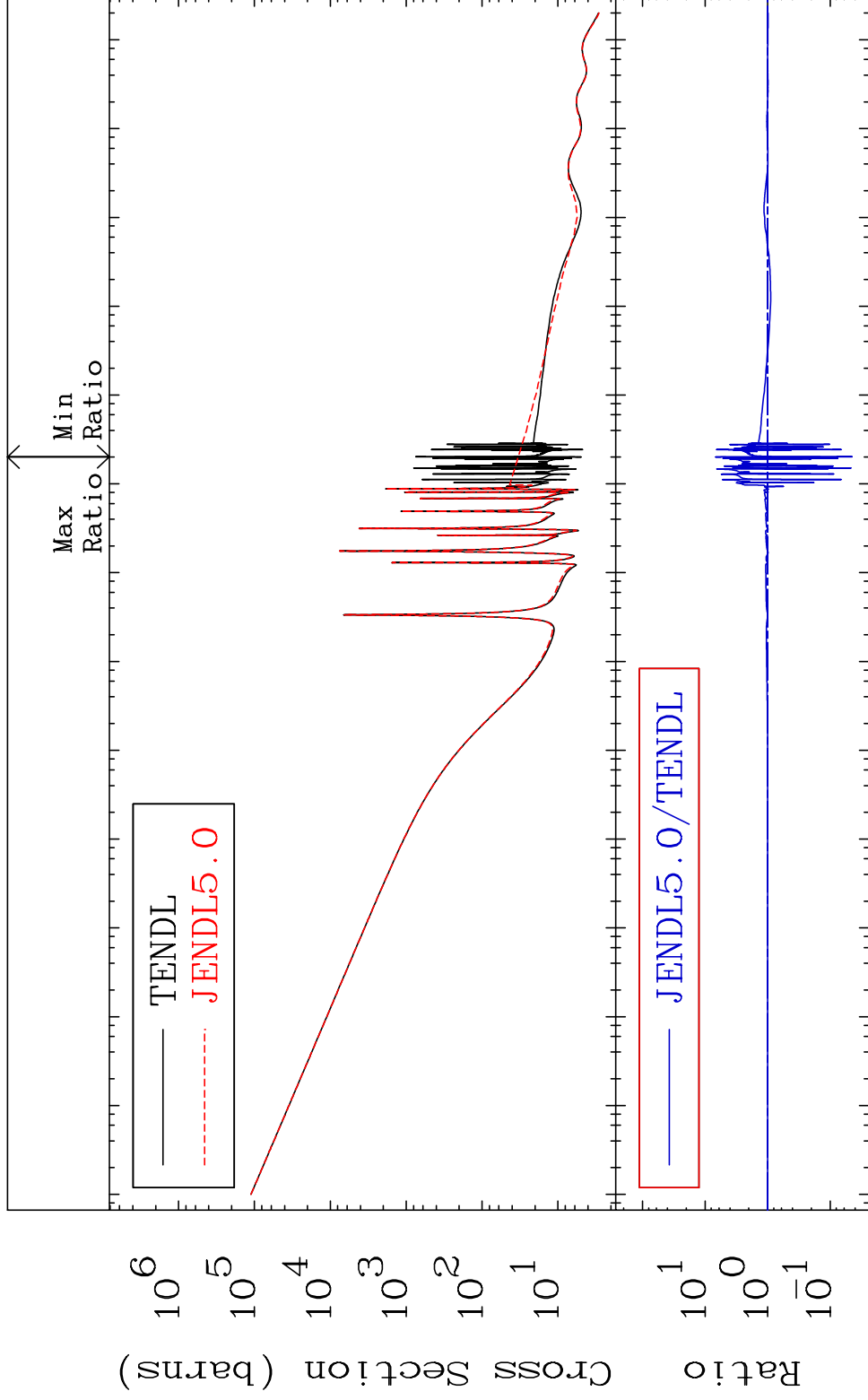
MAT 8034

Total

80-Hg-199

Cross Section

-95.56 To 577.7 %



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

1

Incident Energy (eV)

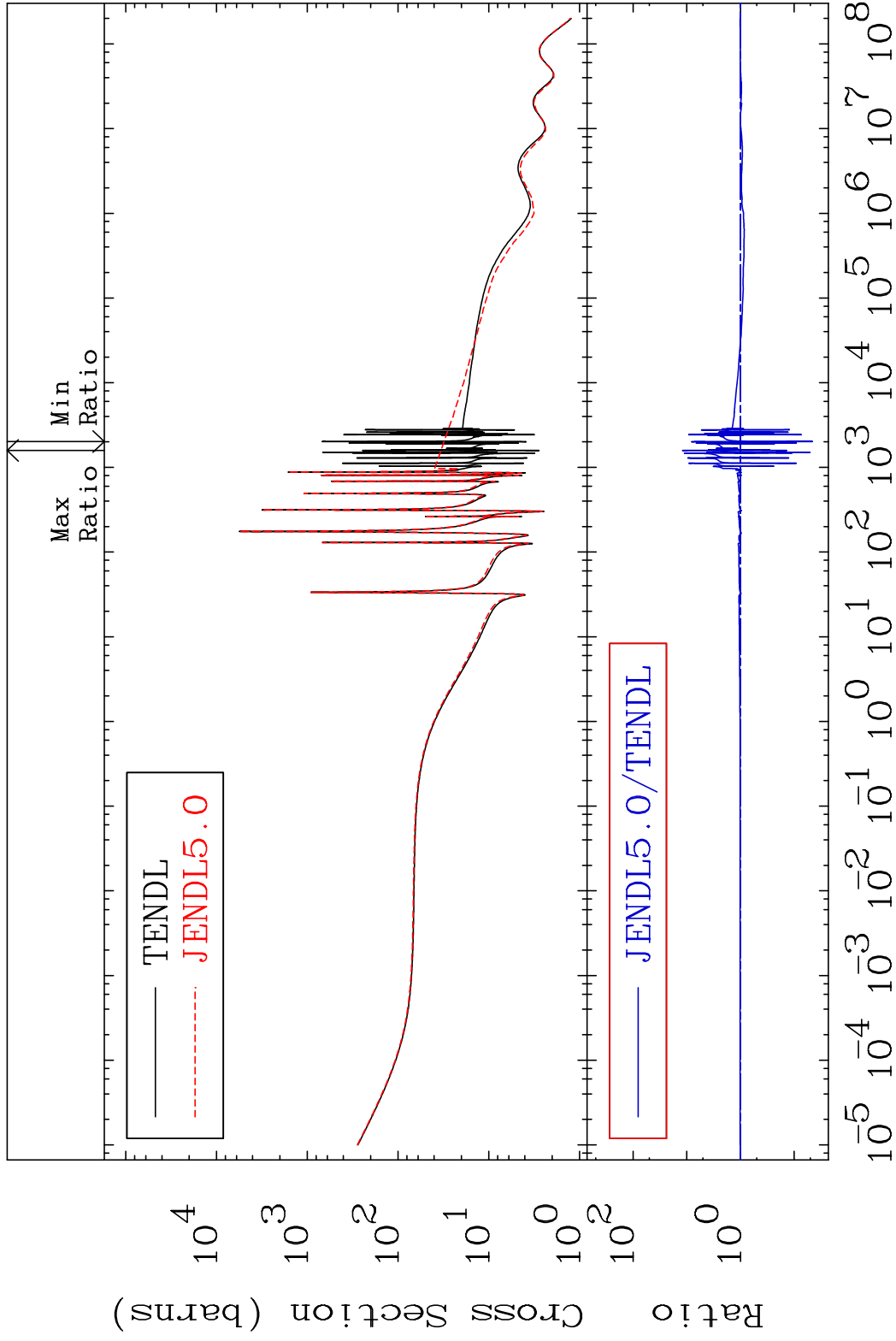
80-Hg-199

MAT 8034

Elastic

80-Hg-199

Cross Section -95.46 To 1111. %

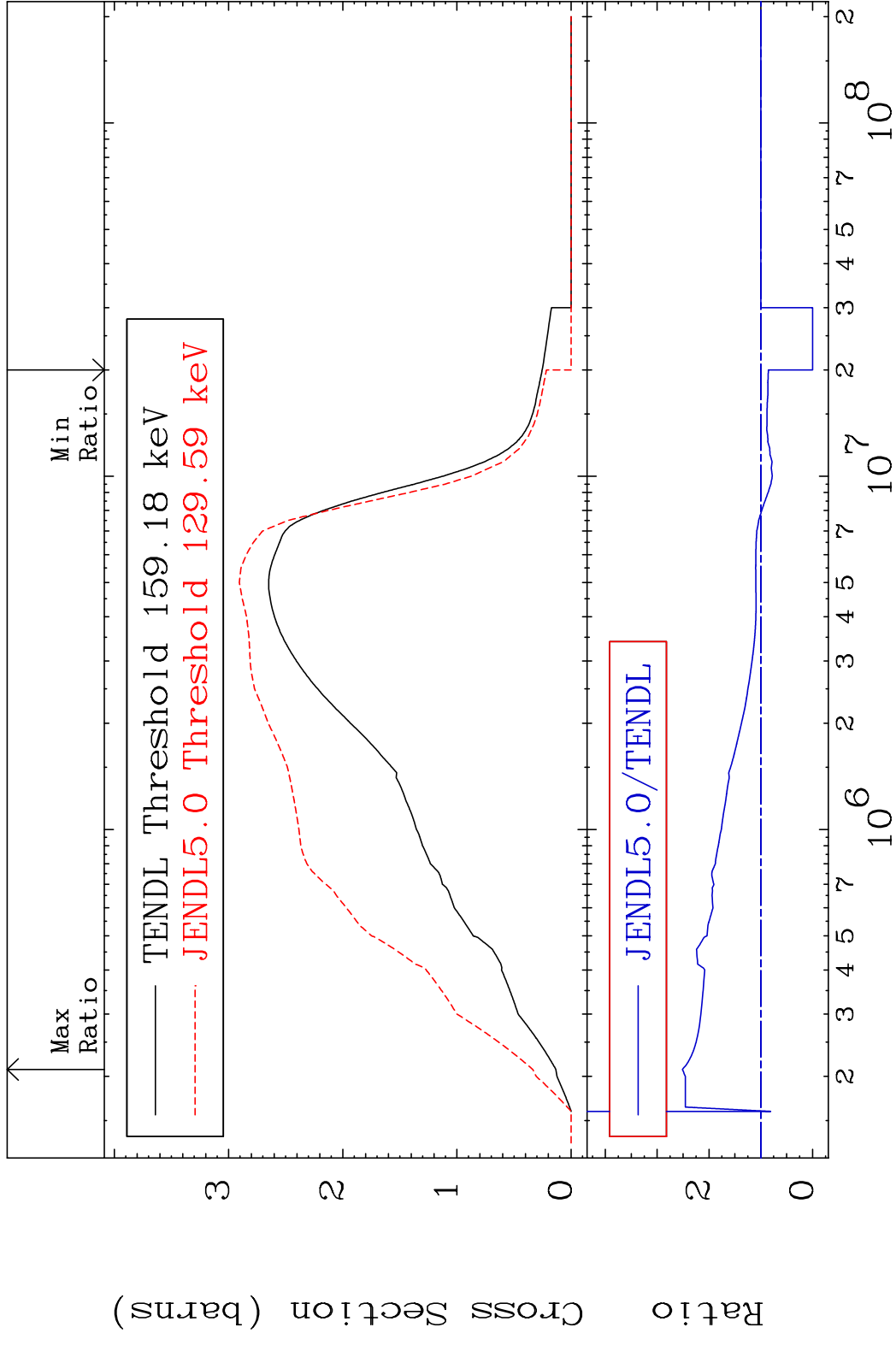


2

Incident Energy (eV)

80-Hg-199

MAT 8034 Inelastic 80-Hg-199
 Cross Section -100.0 To 151.4 %

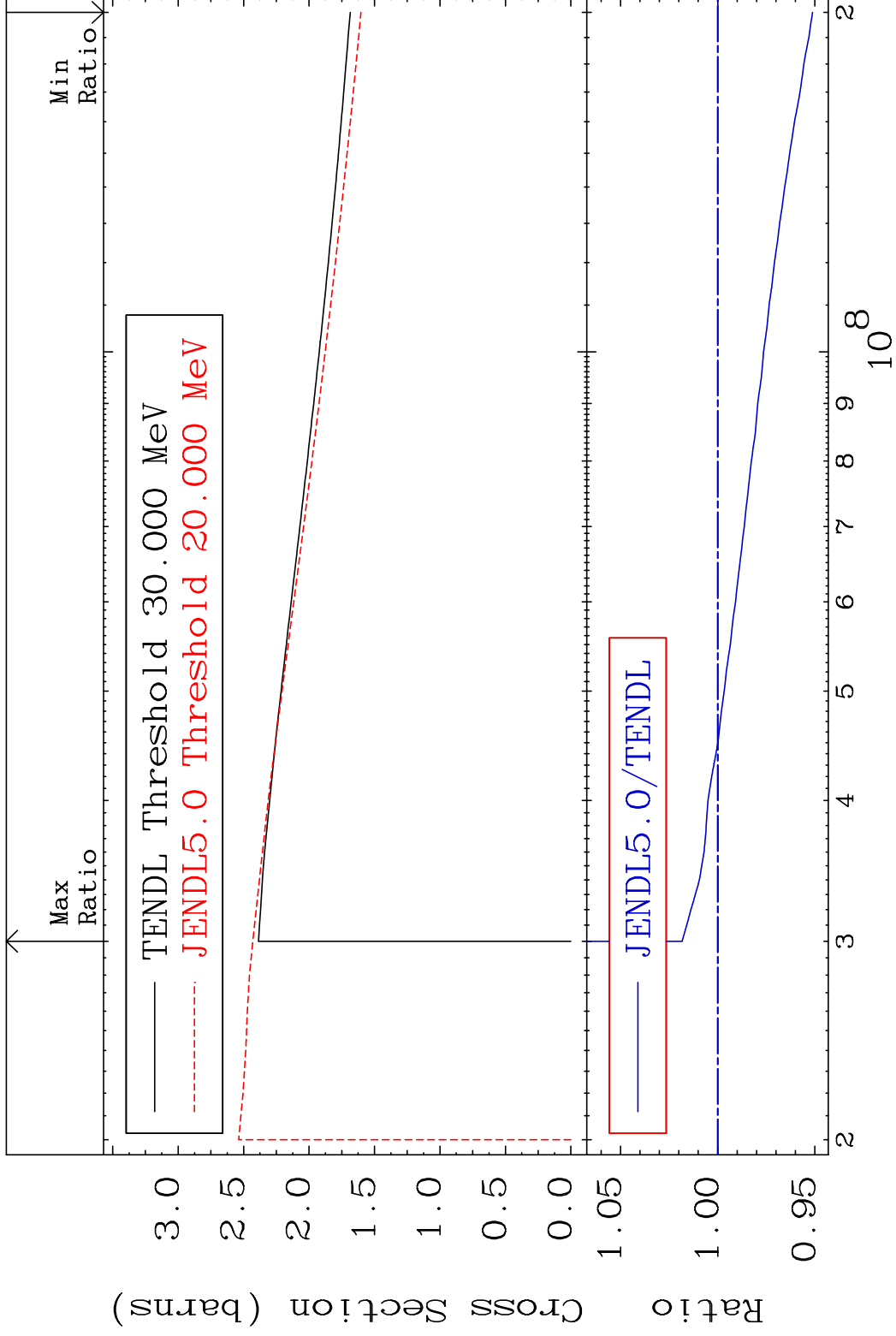


MAT 8034

(n, remainder)

80-Hg-199

Cross Section -4.877 To 1.829 %



4

Incident Energy (eV)

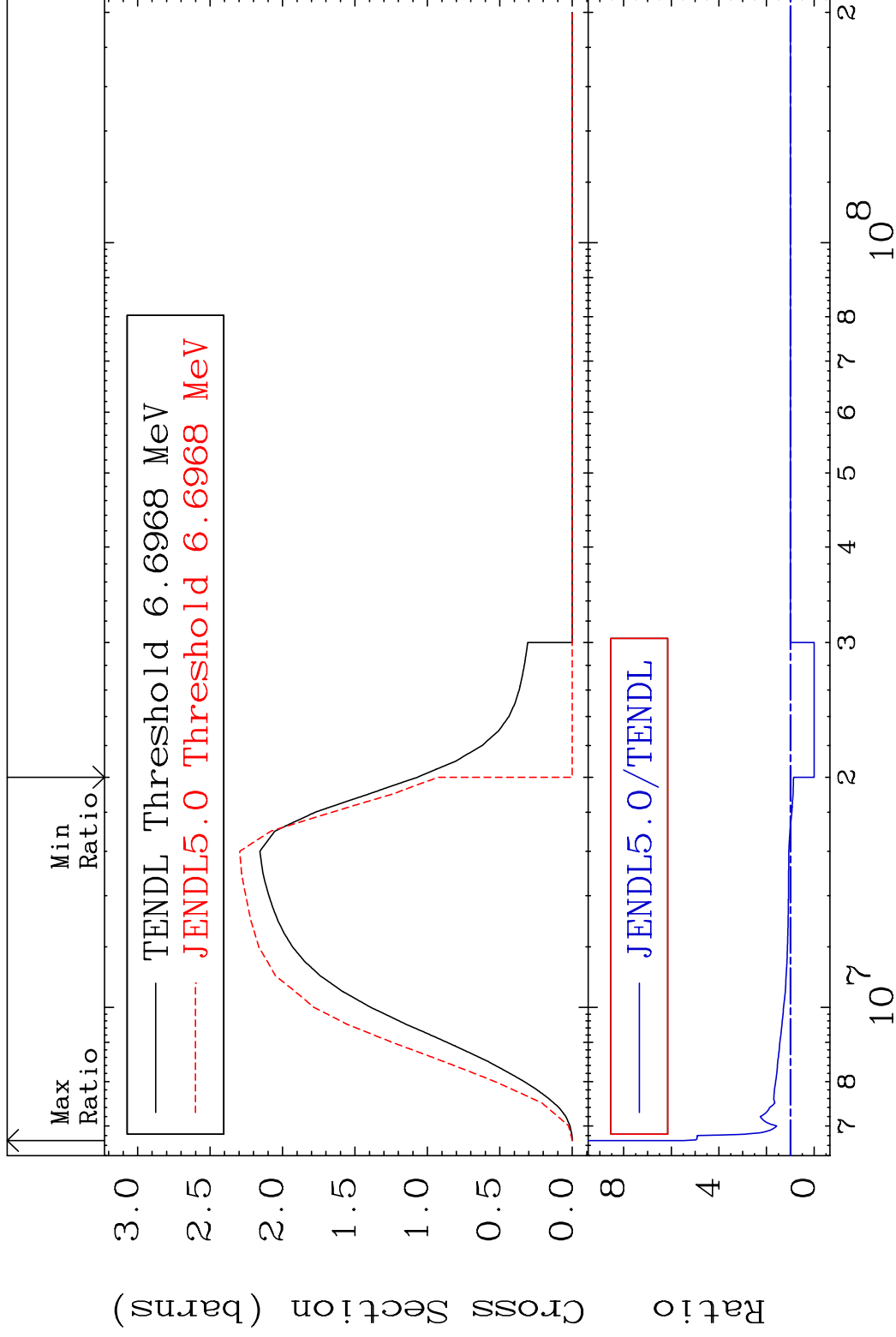
80-Hg-199

MAT 8034

(n,2n)

80-Hg-199

Cross Section -100.0 To 448.1 %

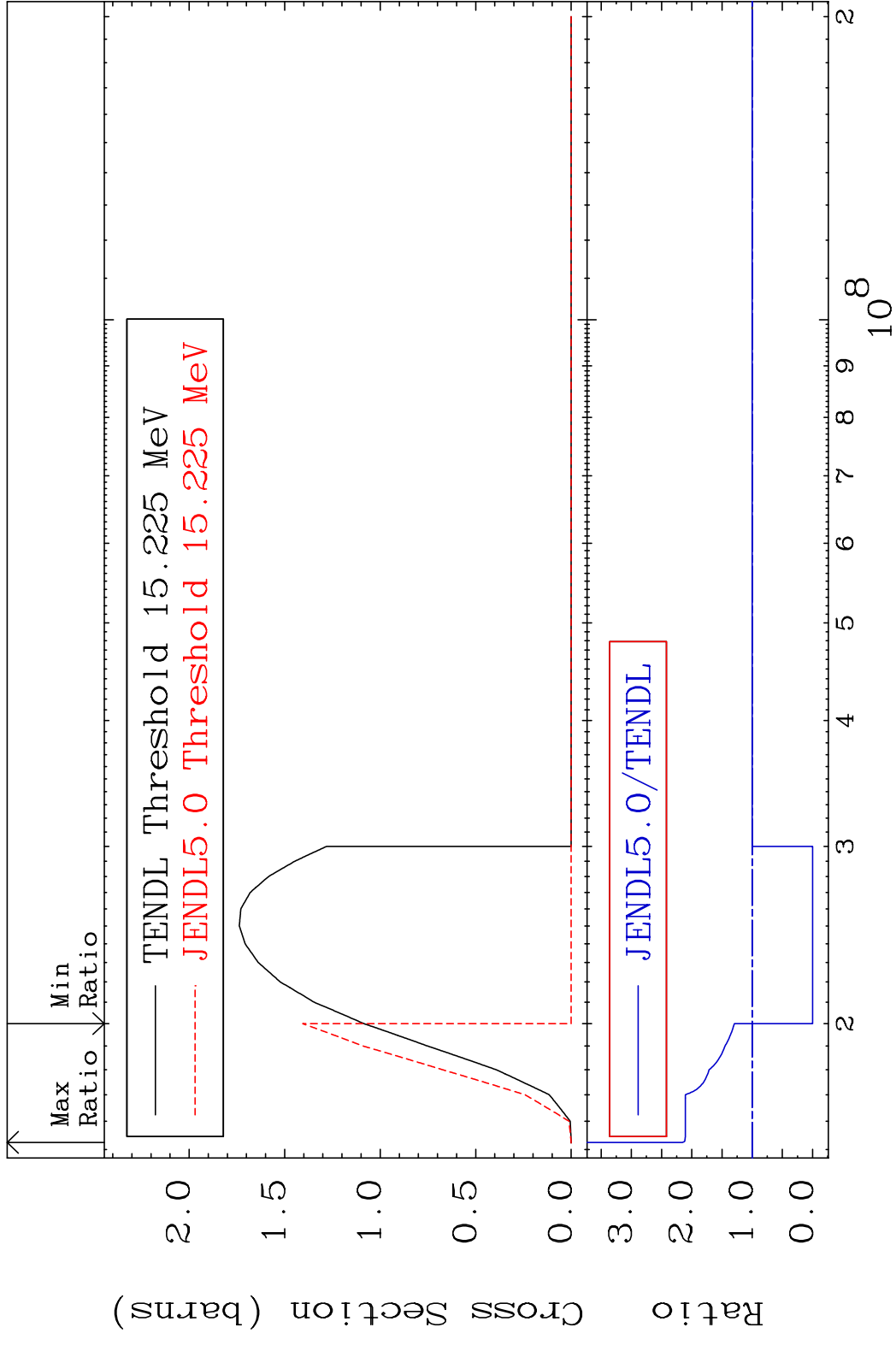


5

Incident Energy (eV)

80-Hg-199

MAT 8034 (n,3n) 80-Hg-199
 Cross Section -100.0 To 115.6 %

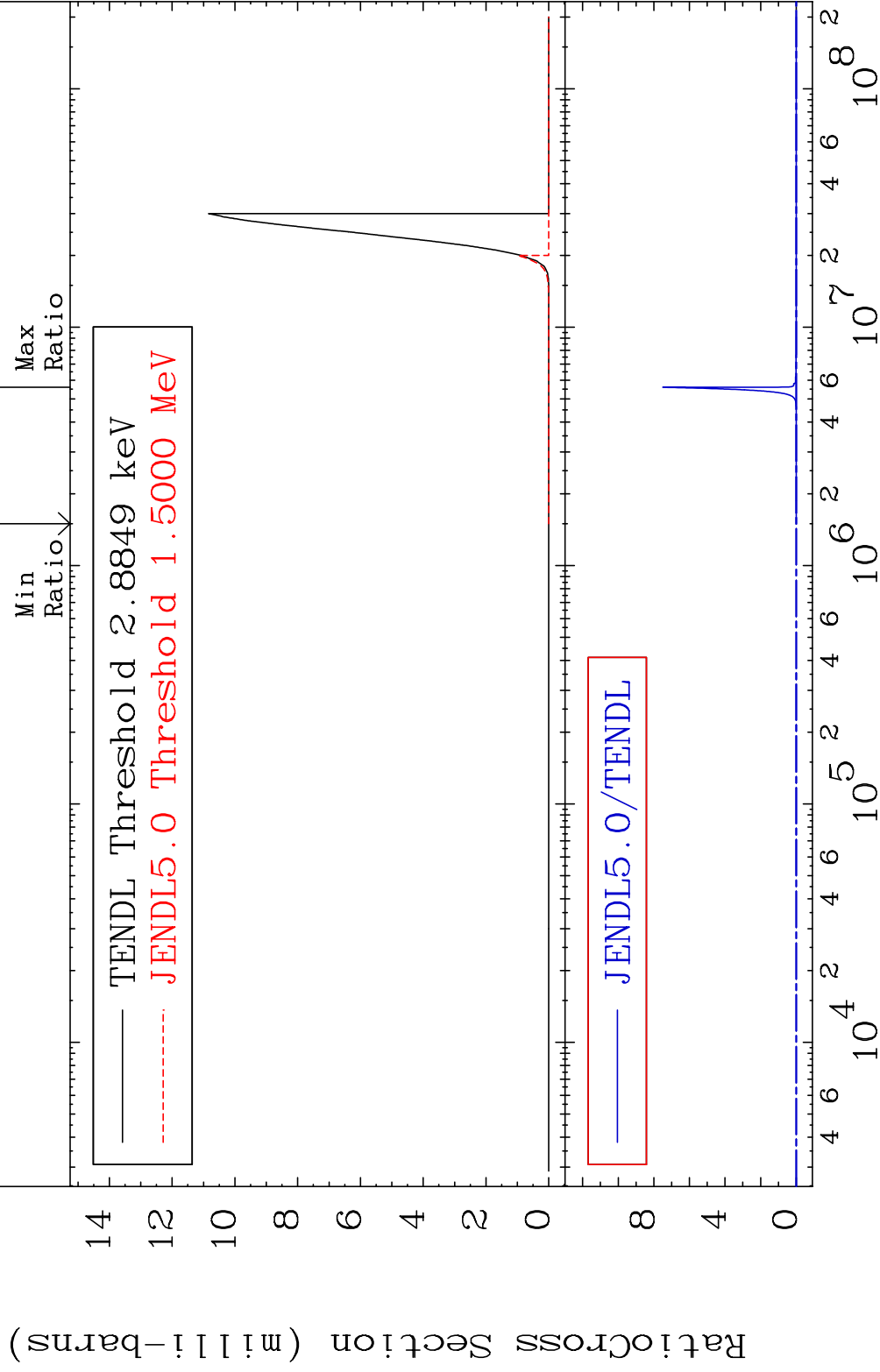


MAT 8034

(n, n') α

80-Hg-199

Cross Section -100.0 To 9999. %

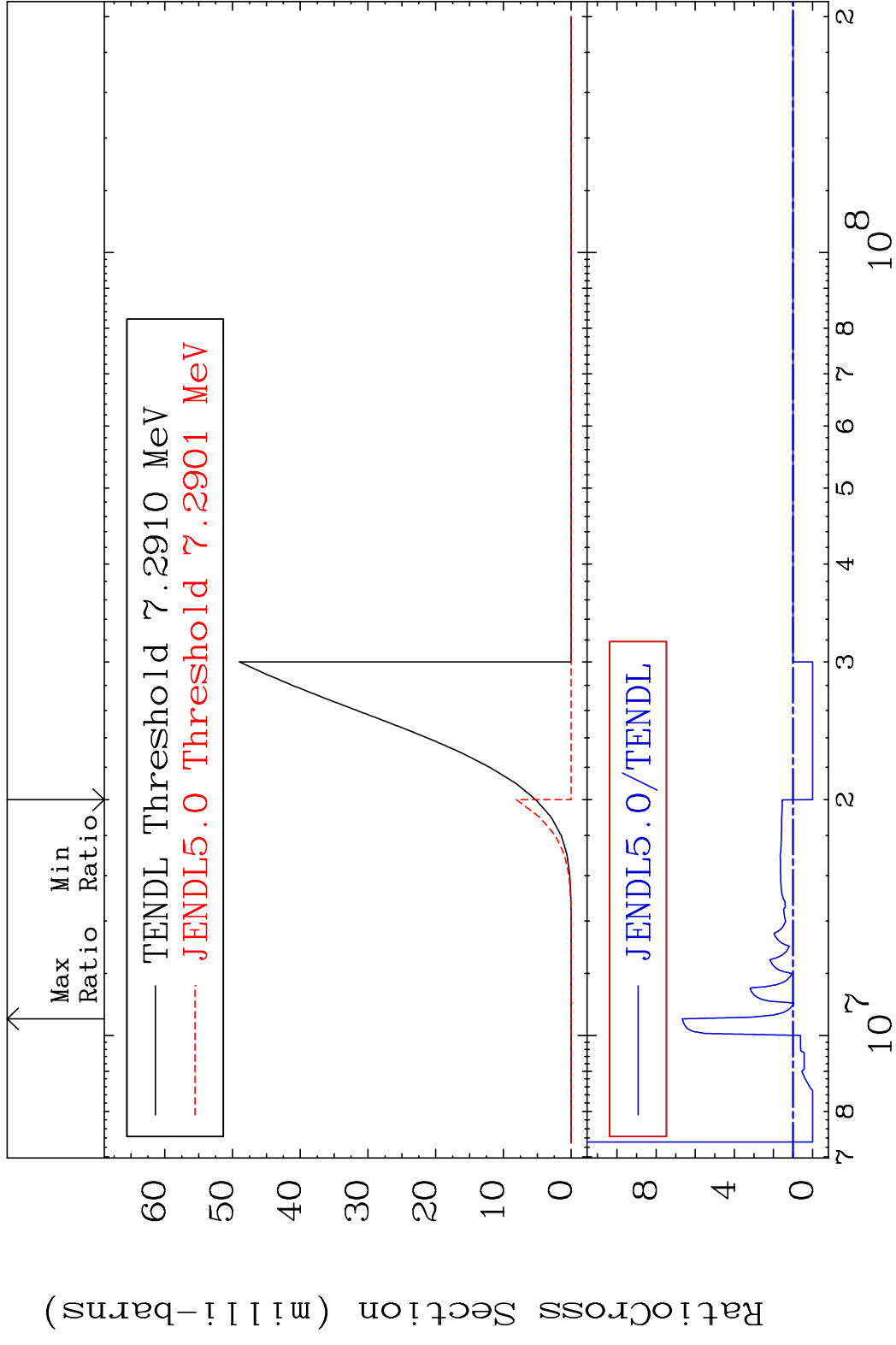


7

Incident Energy (eV)

80-Hg-199

MAT 8034 (n, n') p 80-Hg-199
 Cross Section -100.0 To 565.8 %



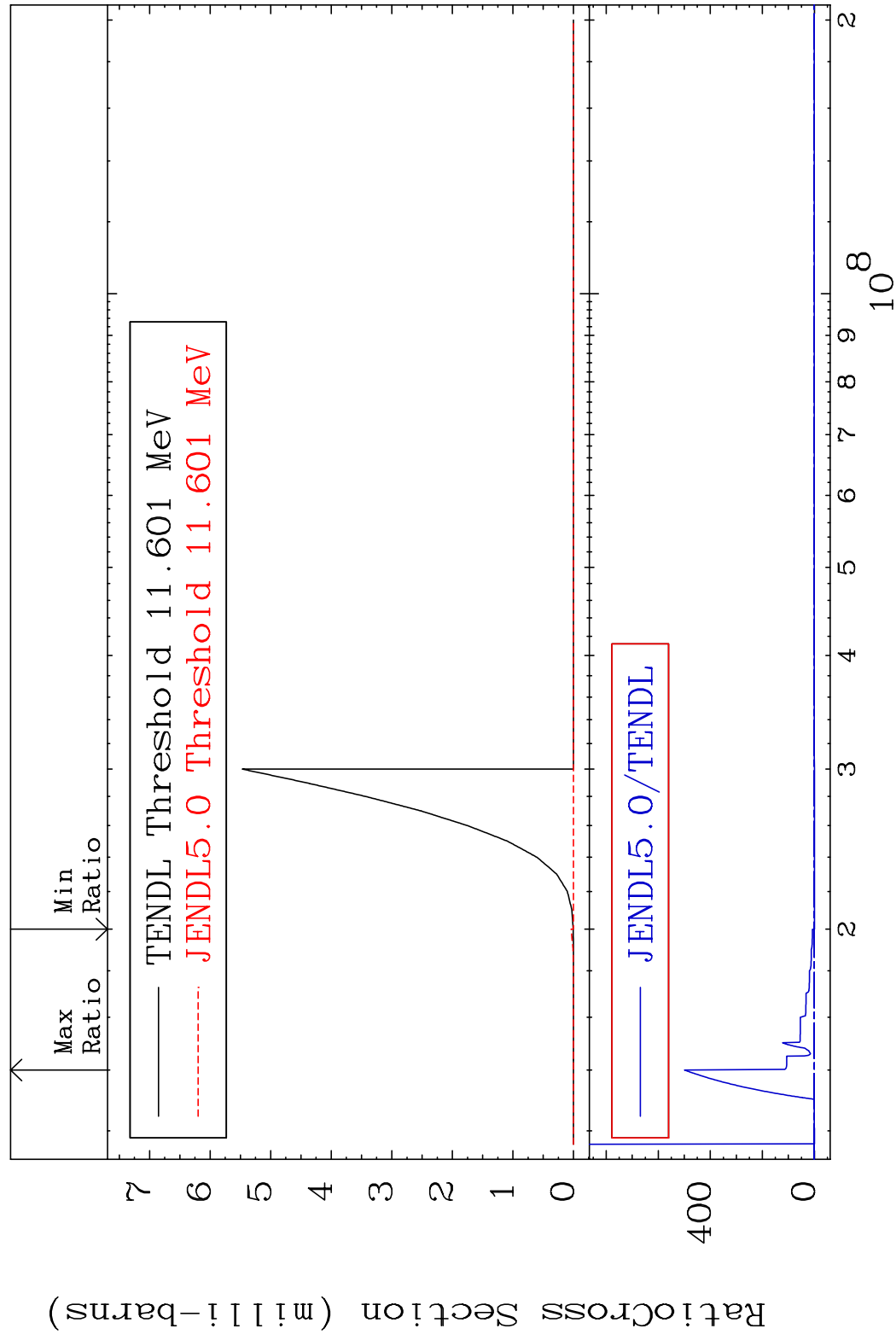
8 Incident Energy (eV) 80-Hg-199

MAT 8034

(n, n') d

80-Hg-199

Cross Section -100.0 To 9999. %

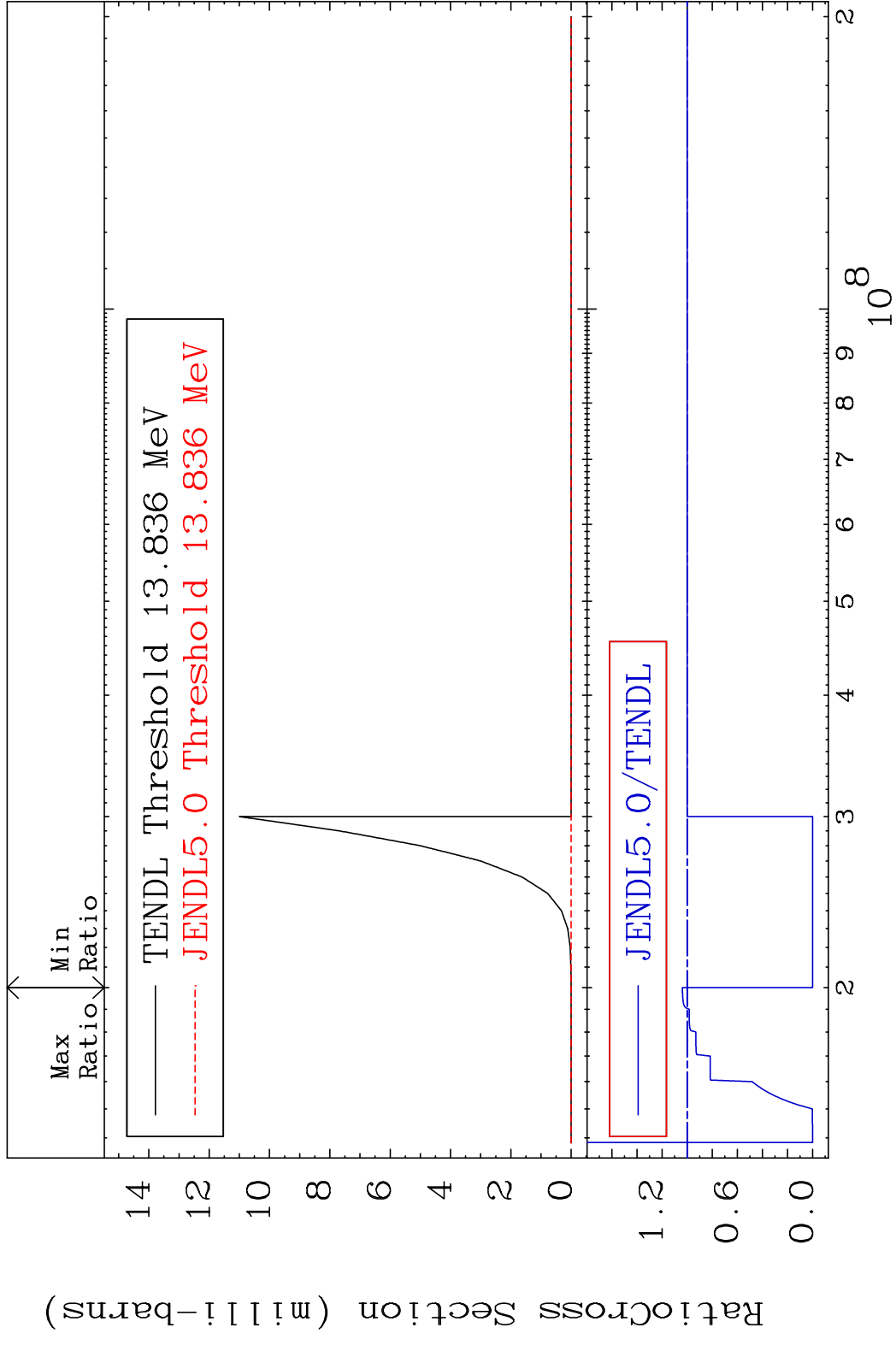


9

Incident Energy (eV)

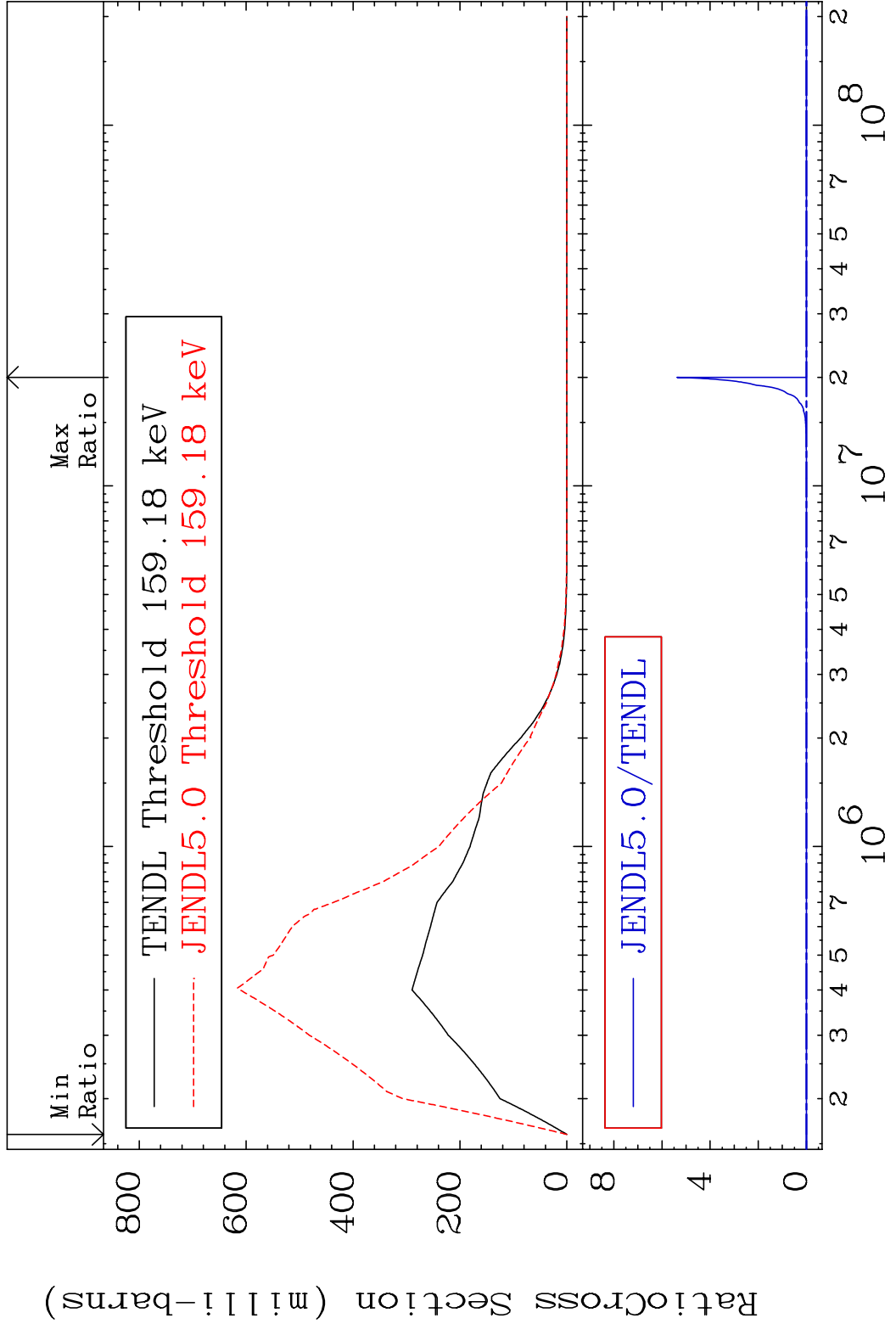
80-Hg-199

MAT 8034 (n,2n) p 80-Hg-199
 Cross Section -100.0 To 3.785 %

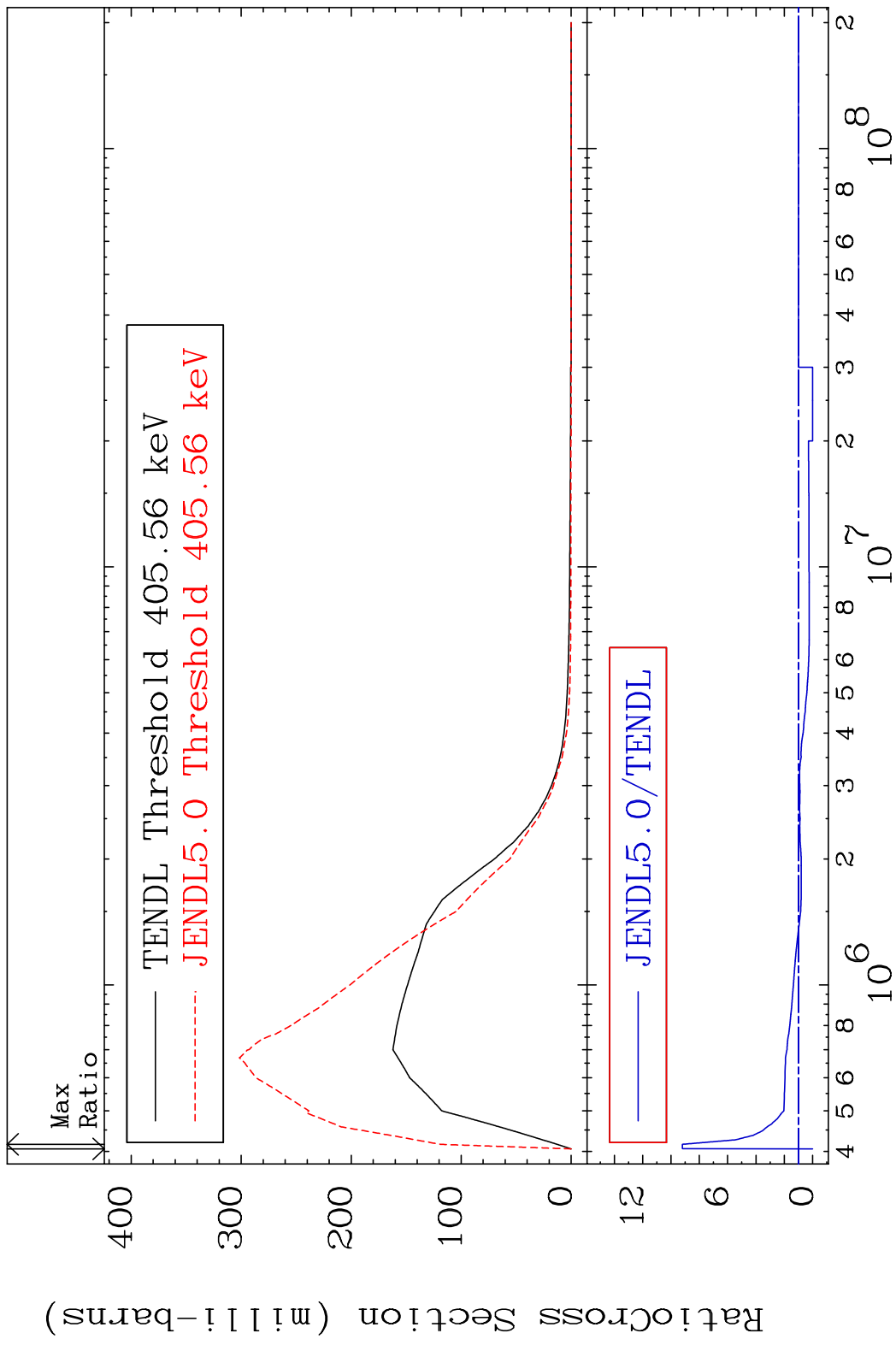


10 80-Hg-199

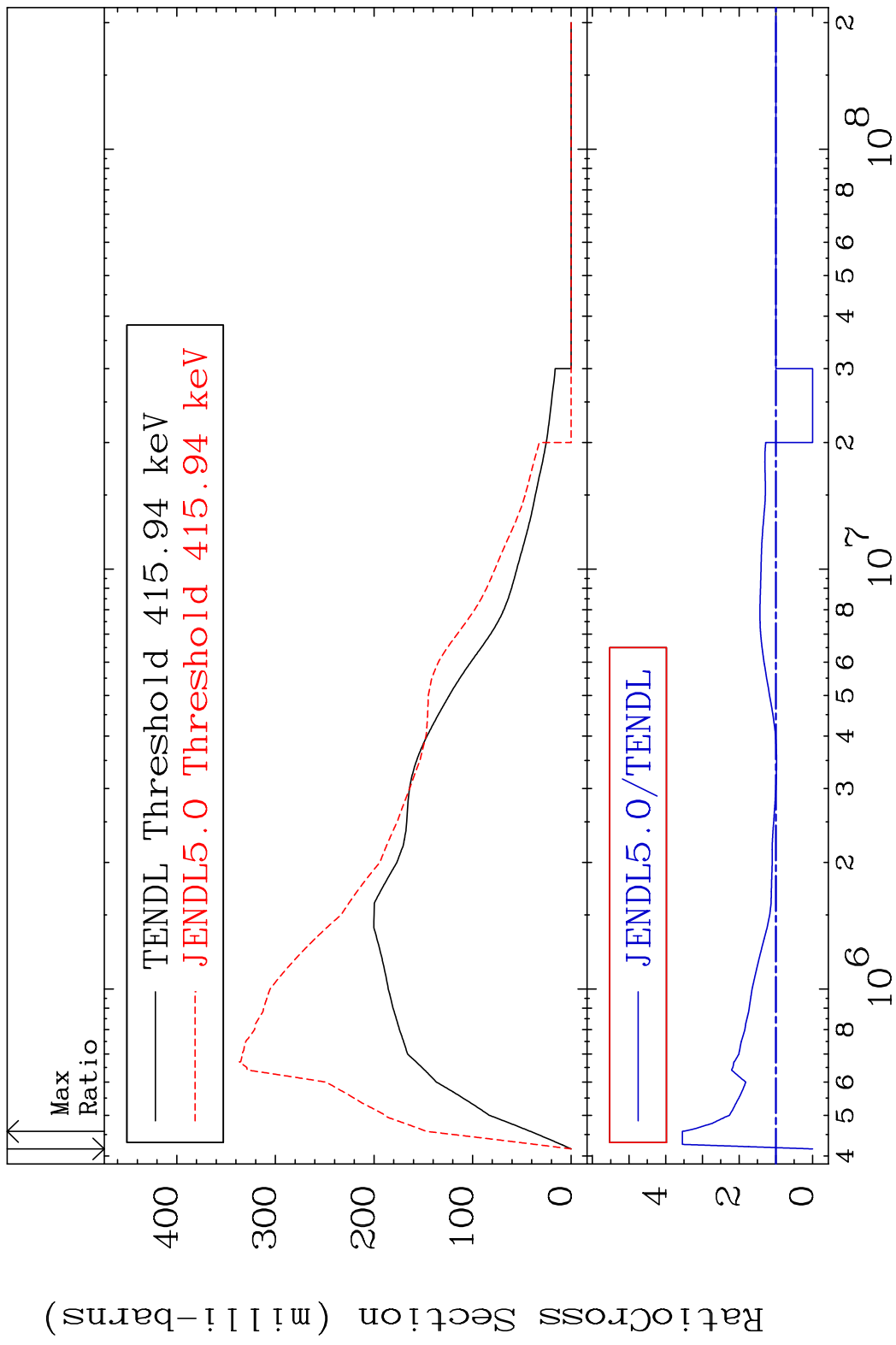
MAT 8034 MT= 51 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



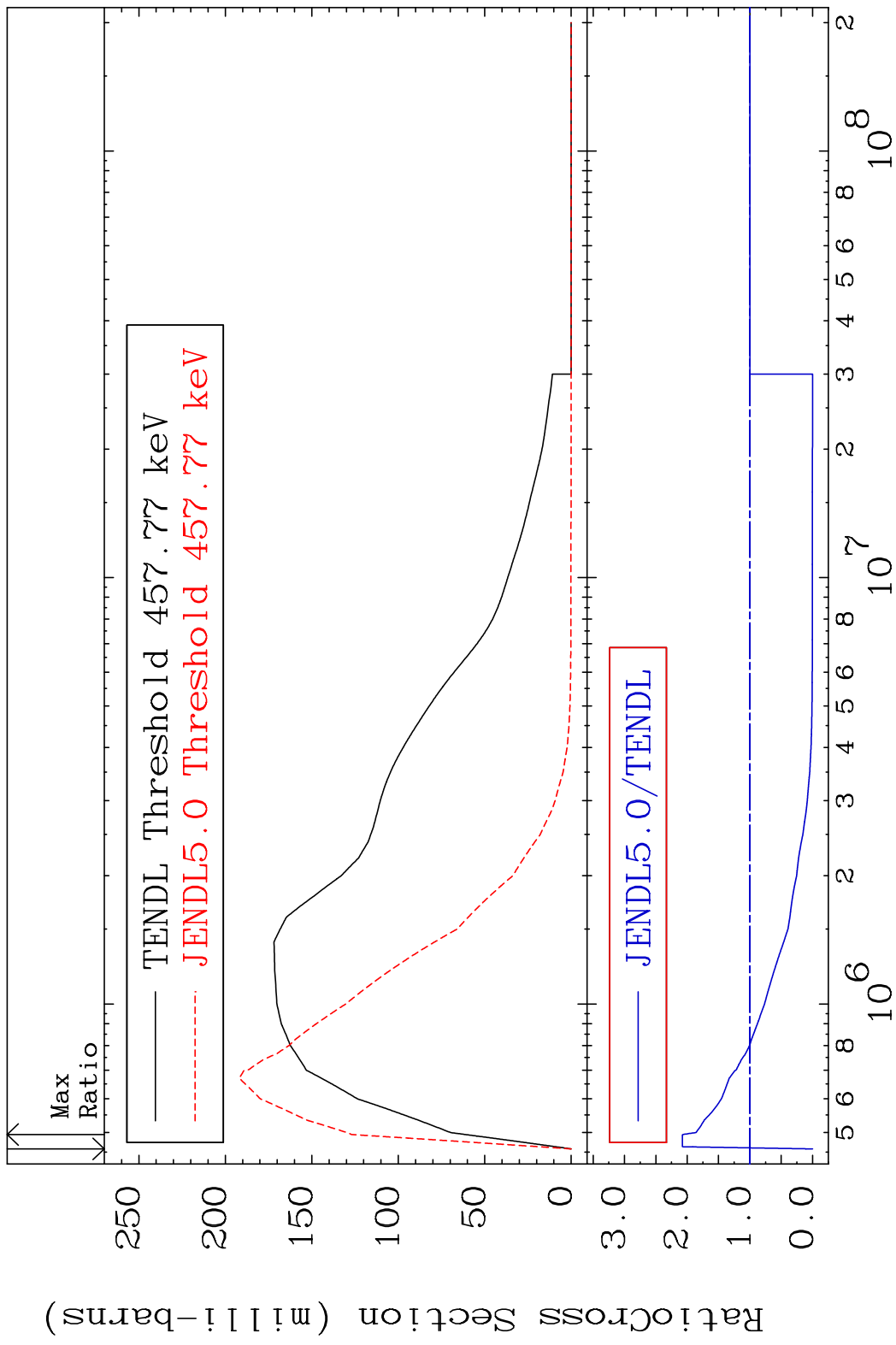
MAT 8034 MT= 53 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 819.9 %



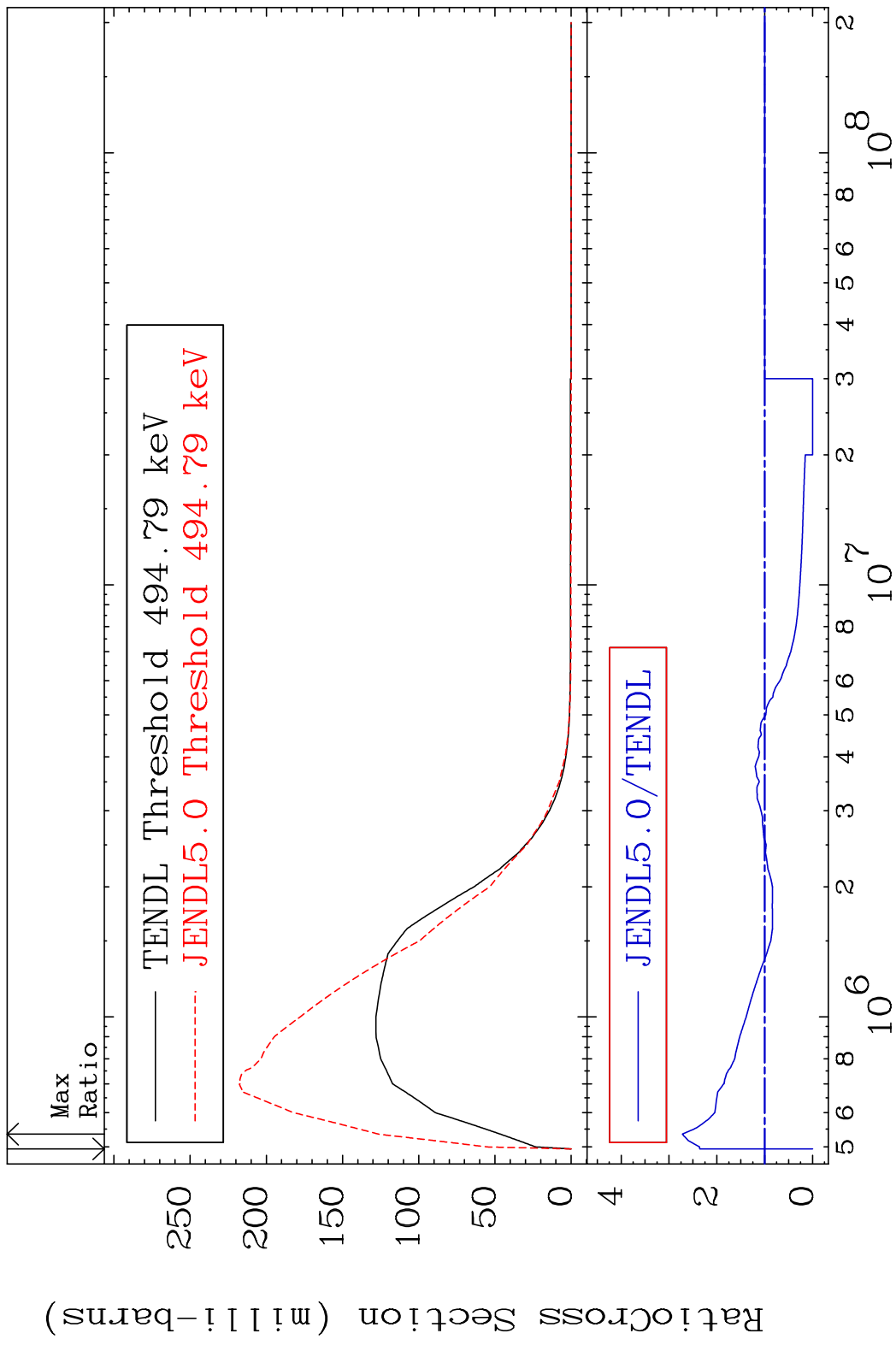
MAT 8034 MT= 54 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 254.7 %



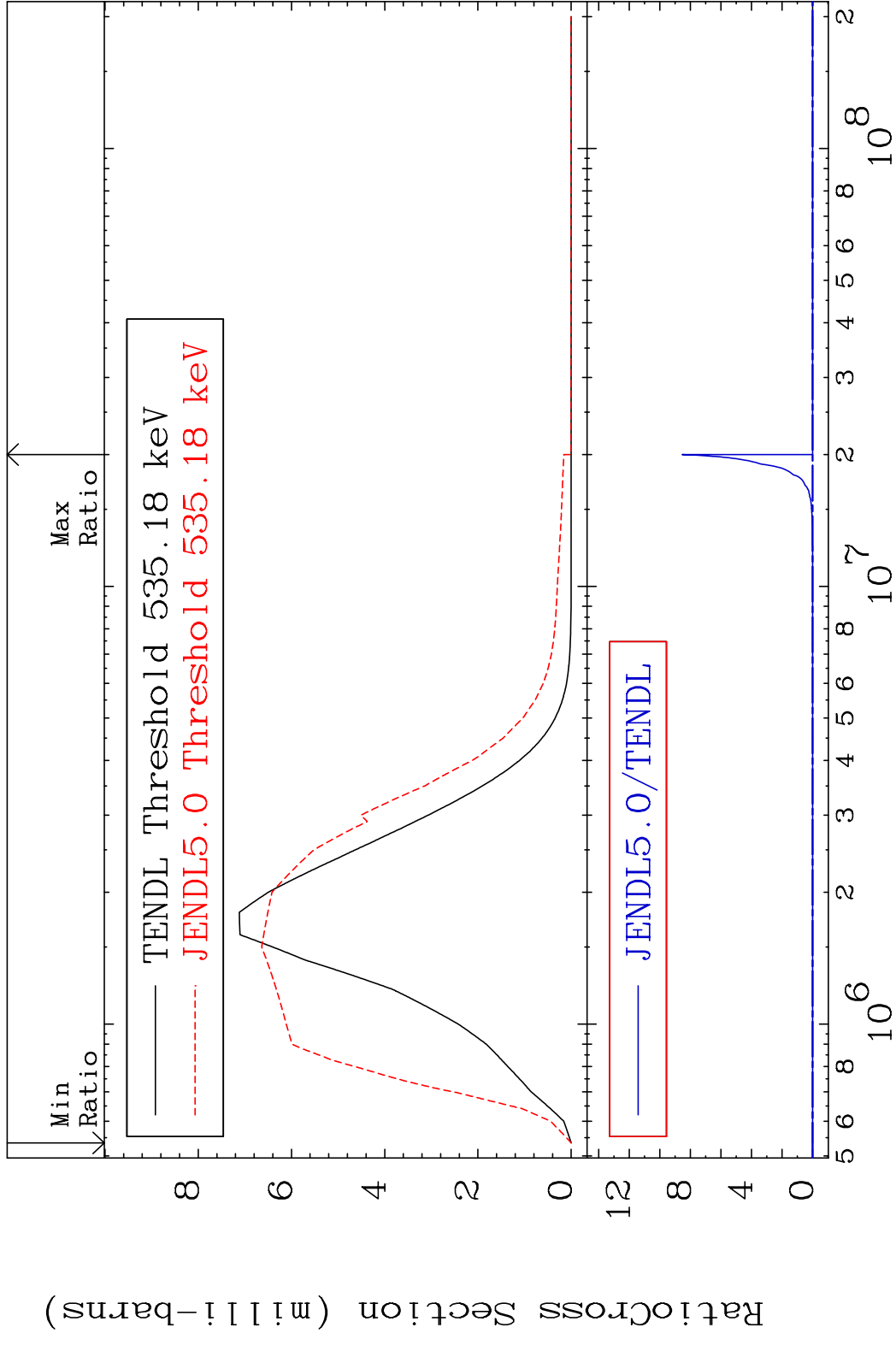
MAT 8034 MT= 55 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 107.7 %



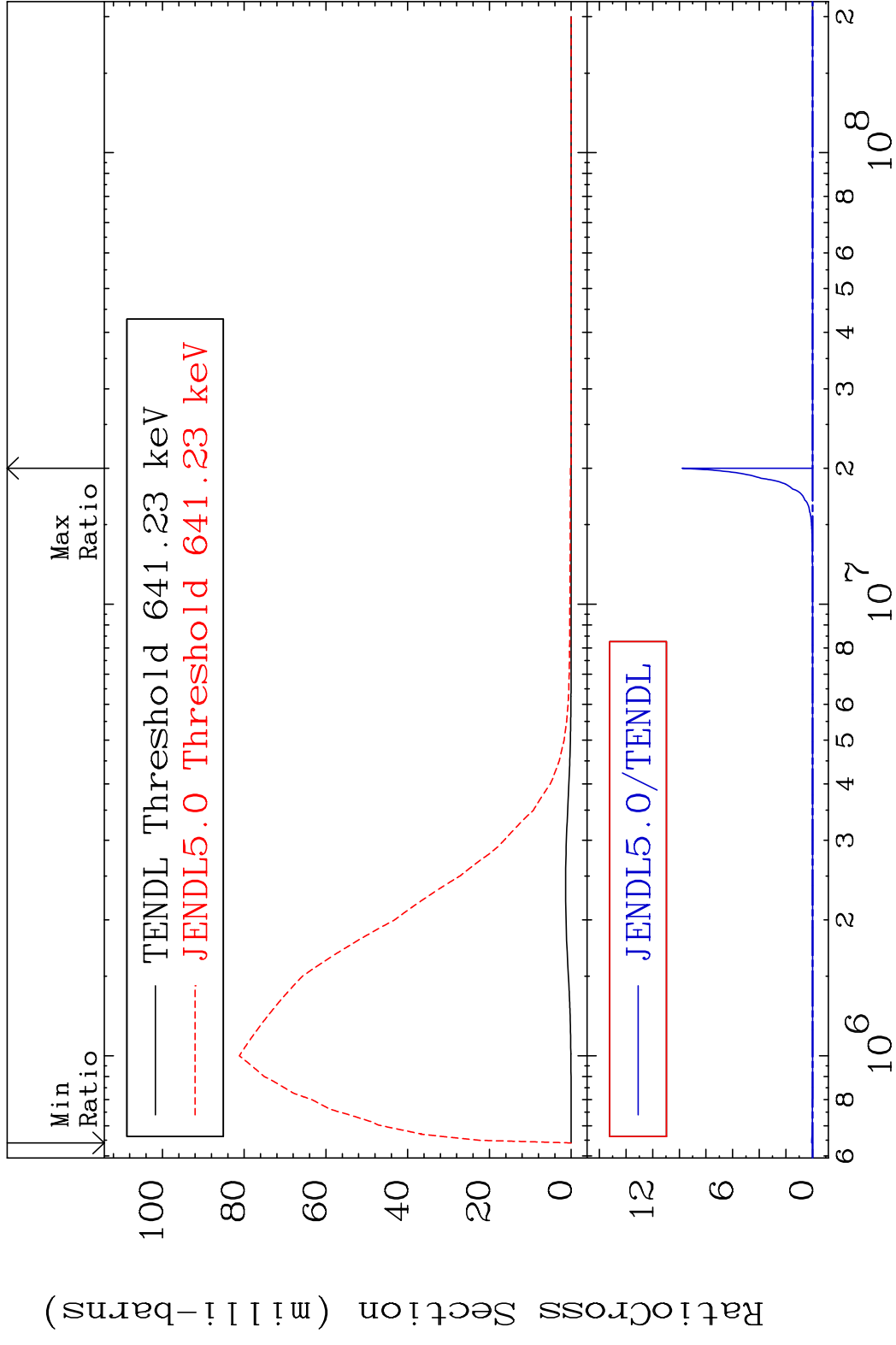
MAT 8034 MT= 56 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 172.1 %



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

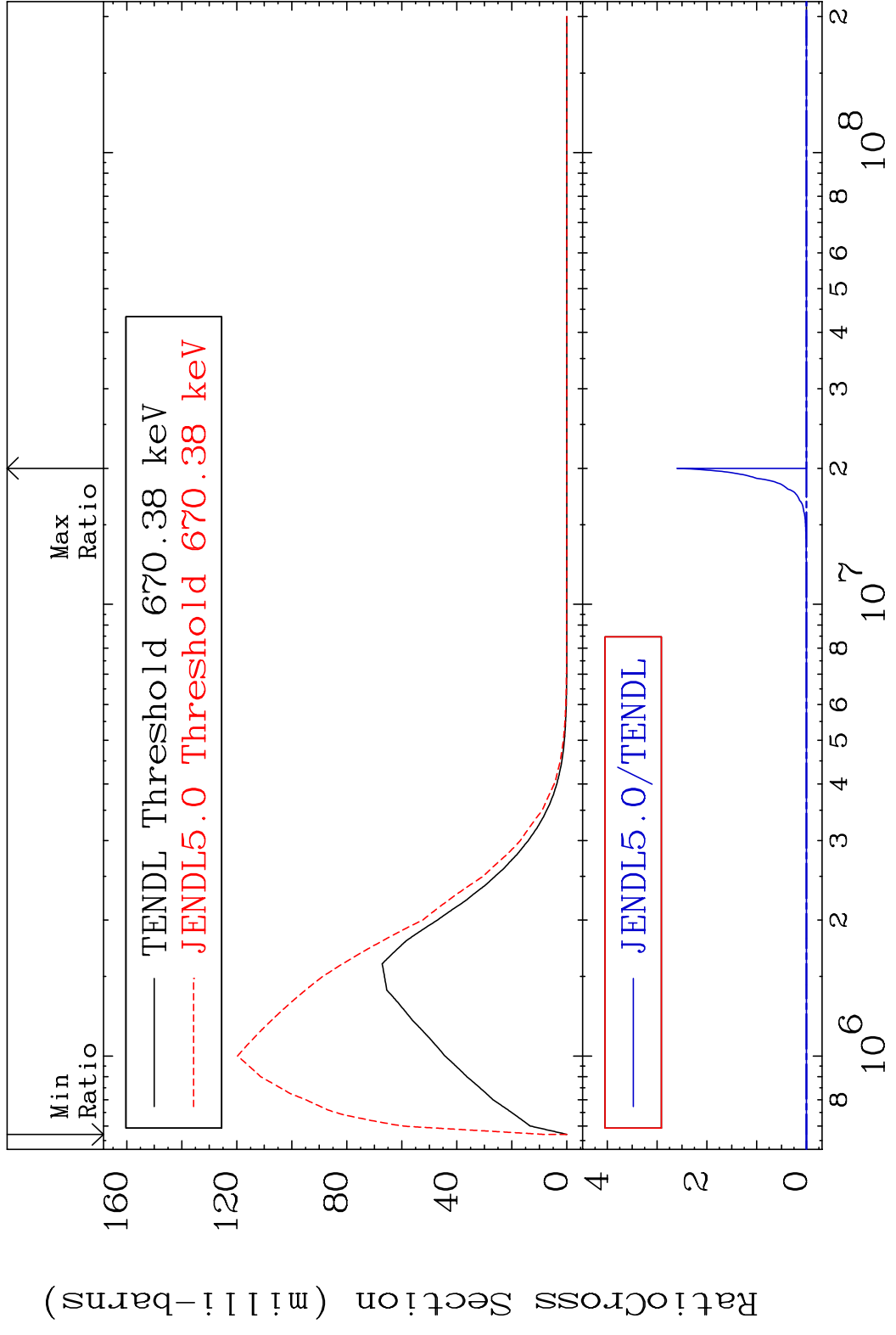


MAT 8034 MT= 58 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



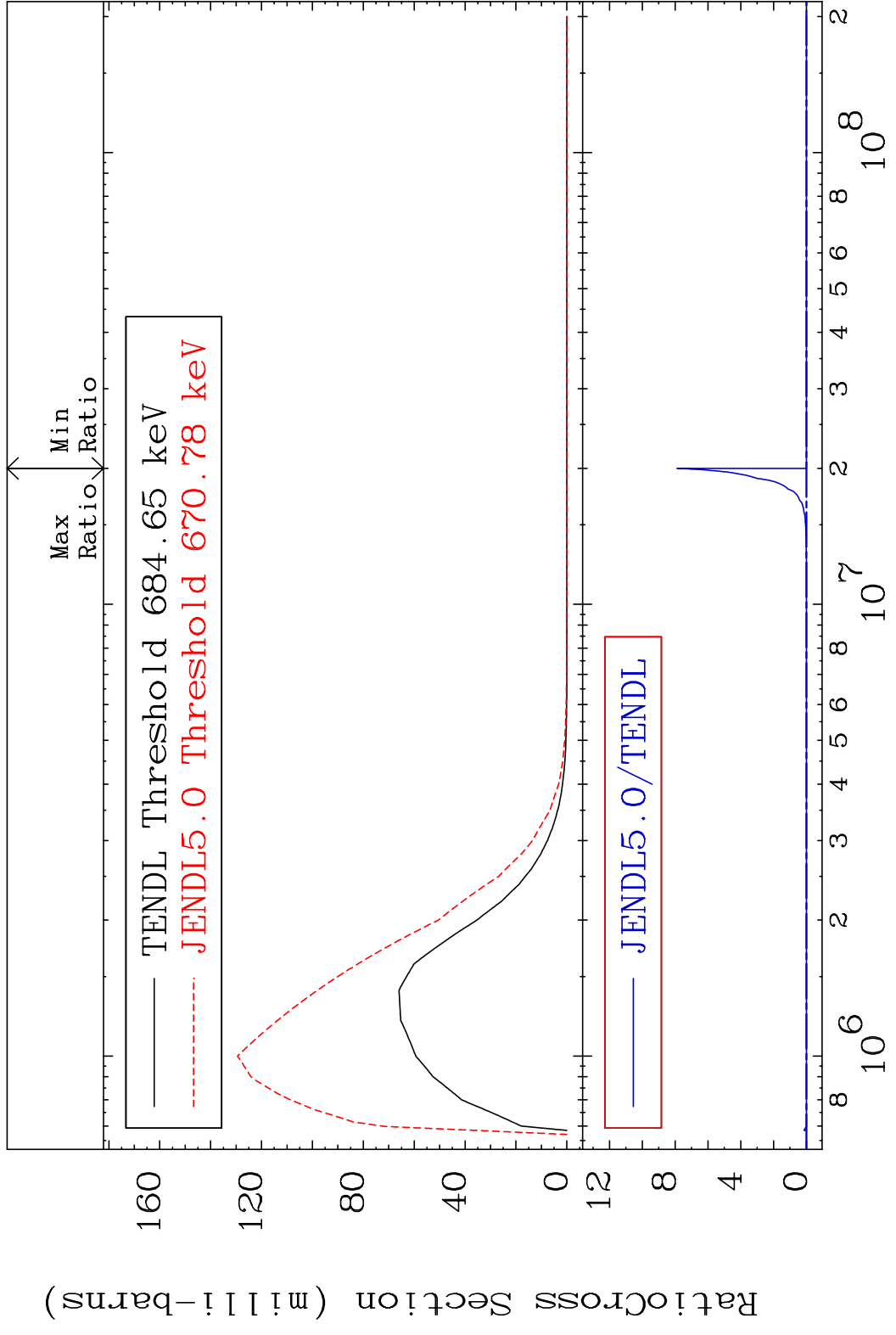
18 80-Hg-199

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

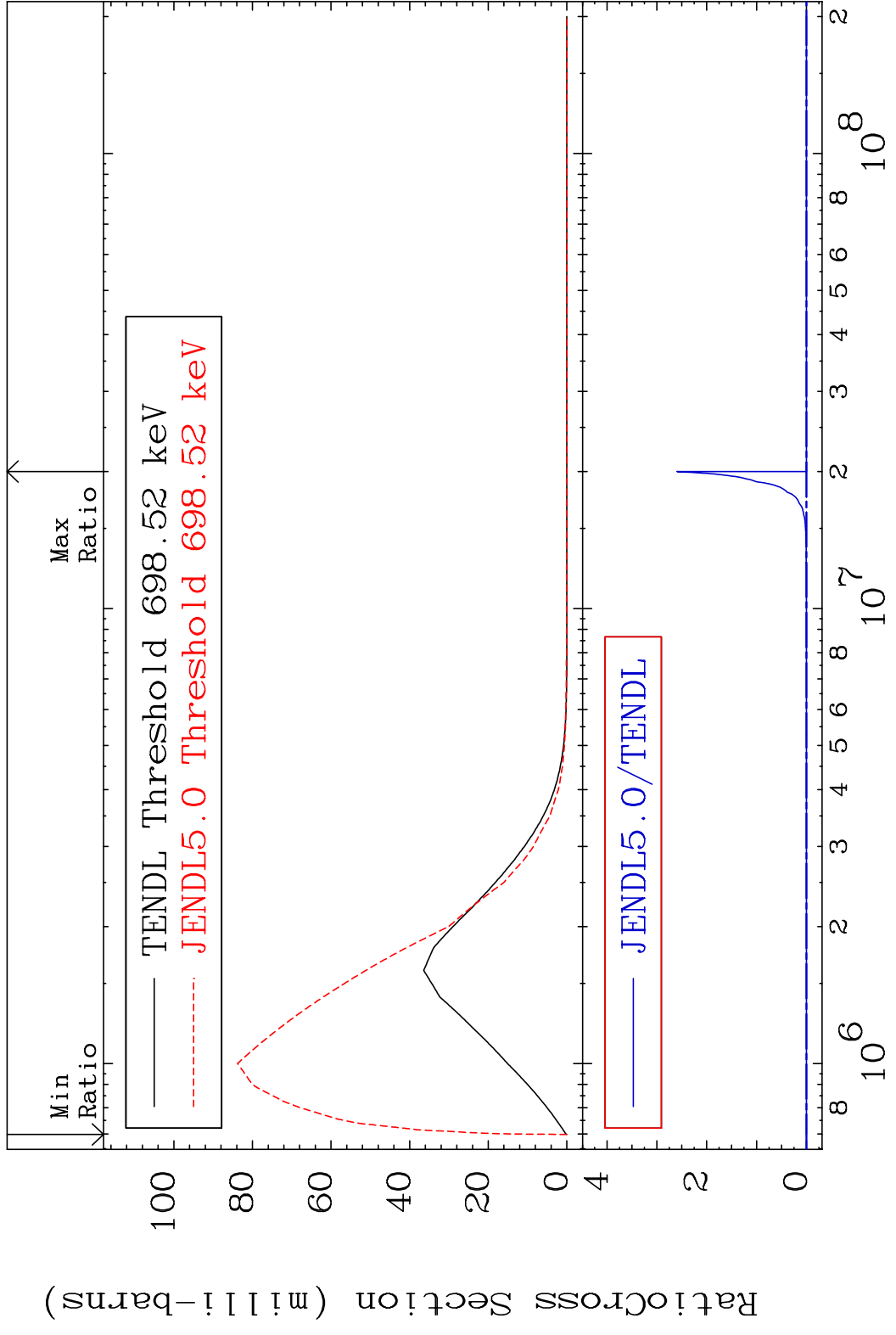


19 80-Hg-199

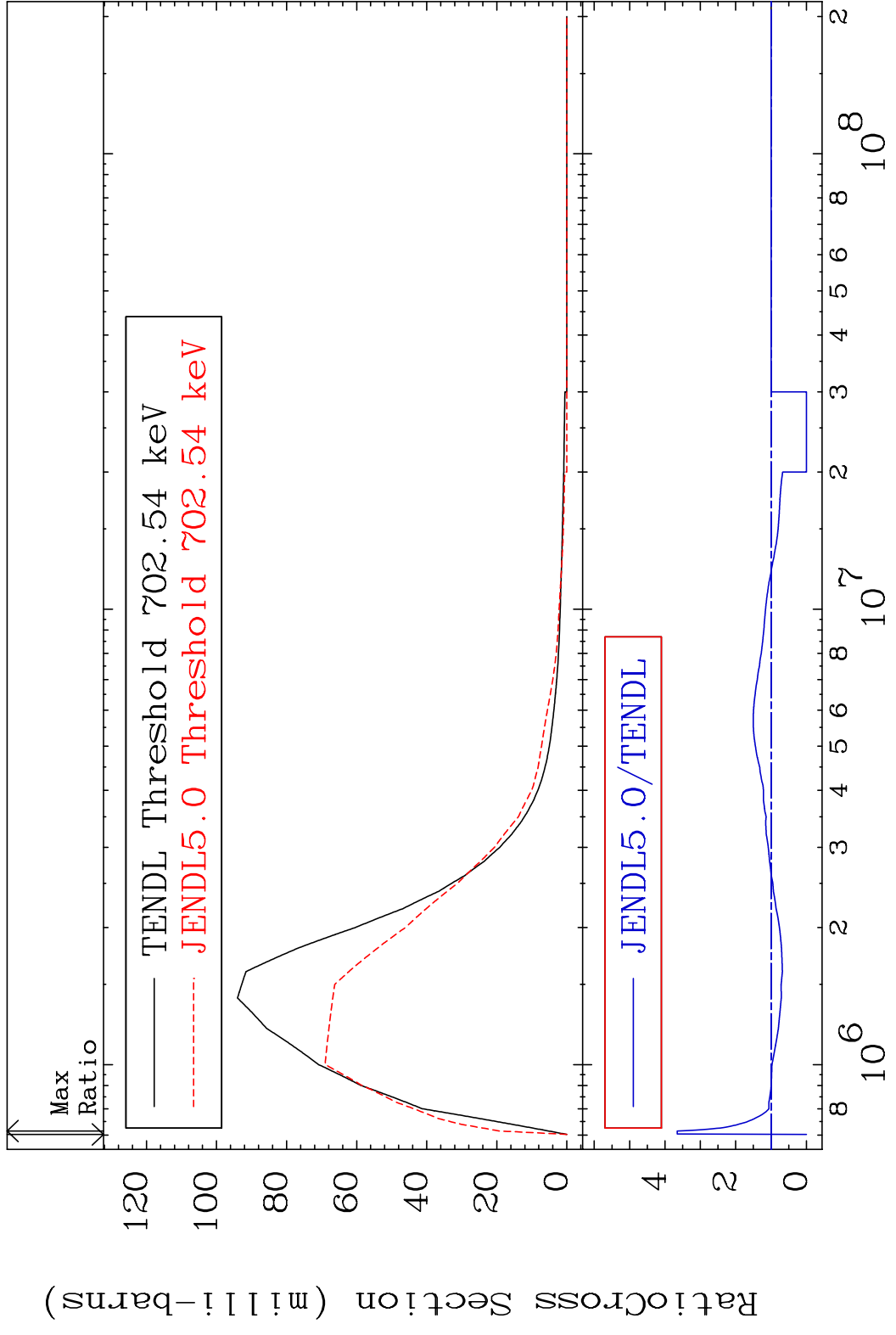
MAT 8034 MT= 60 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



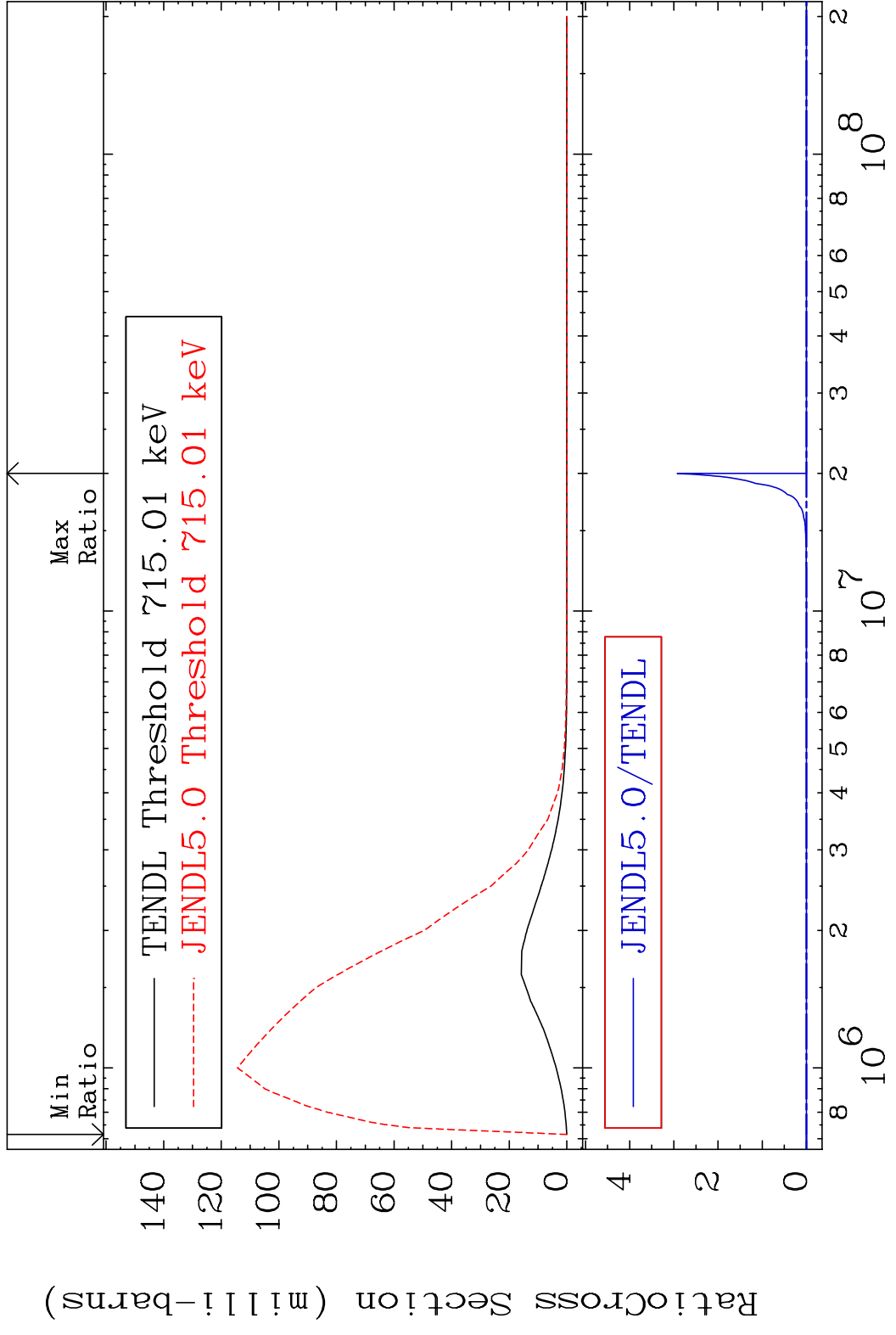
MAT 8034 MT= 61 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



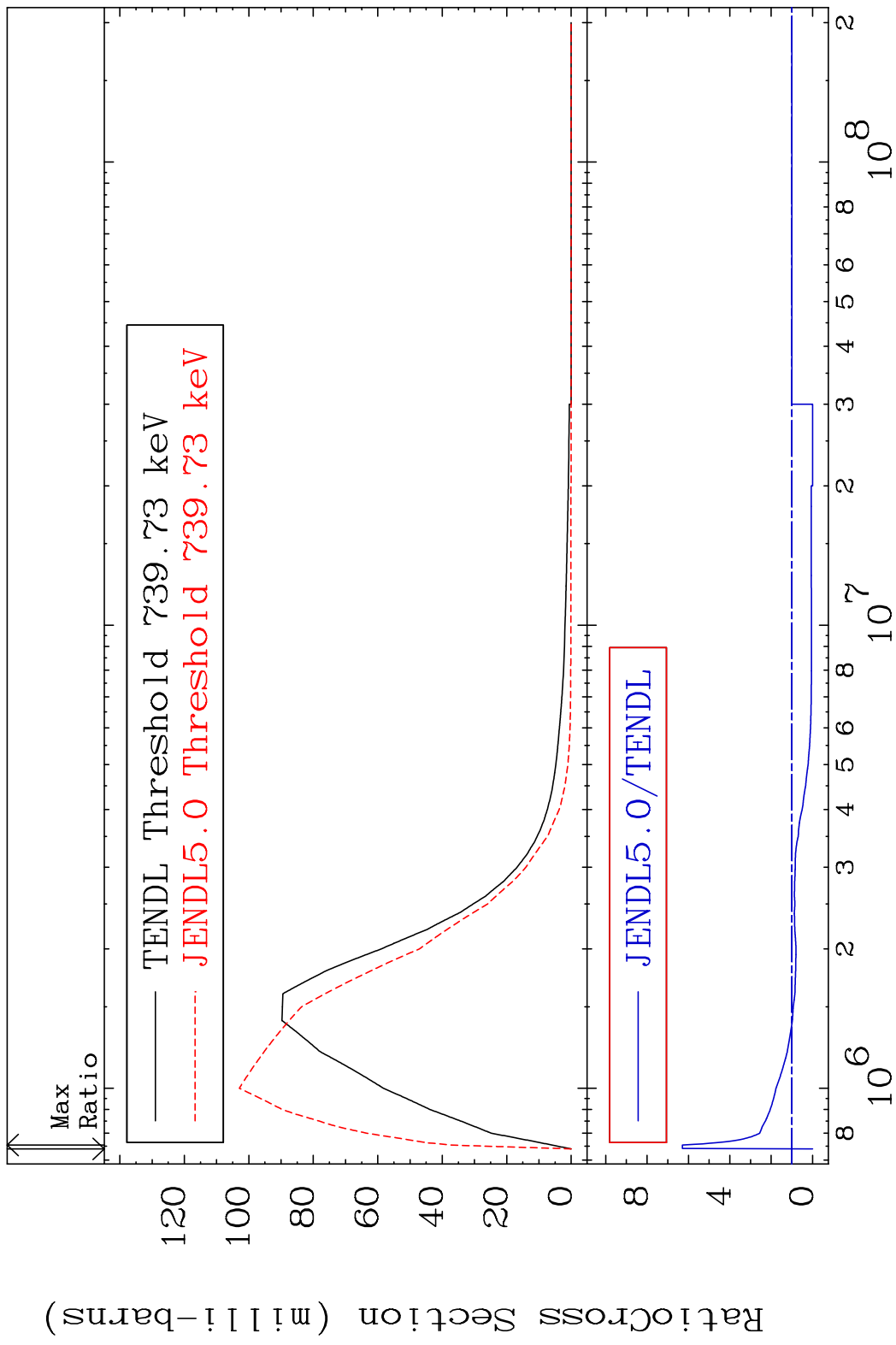
MAT 8034 MT= 62 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 265.5 %



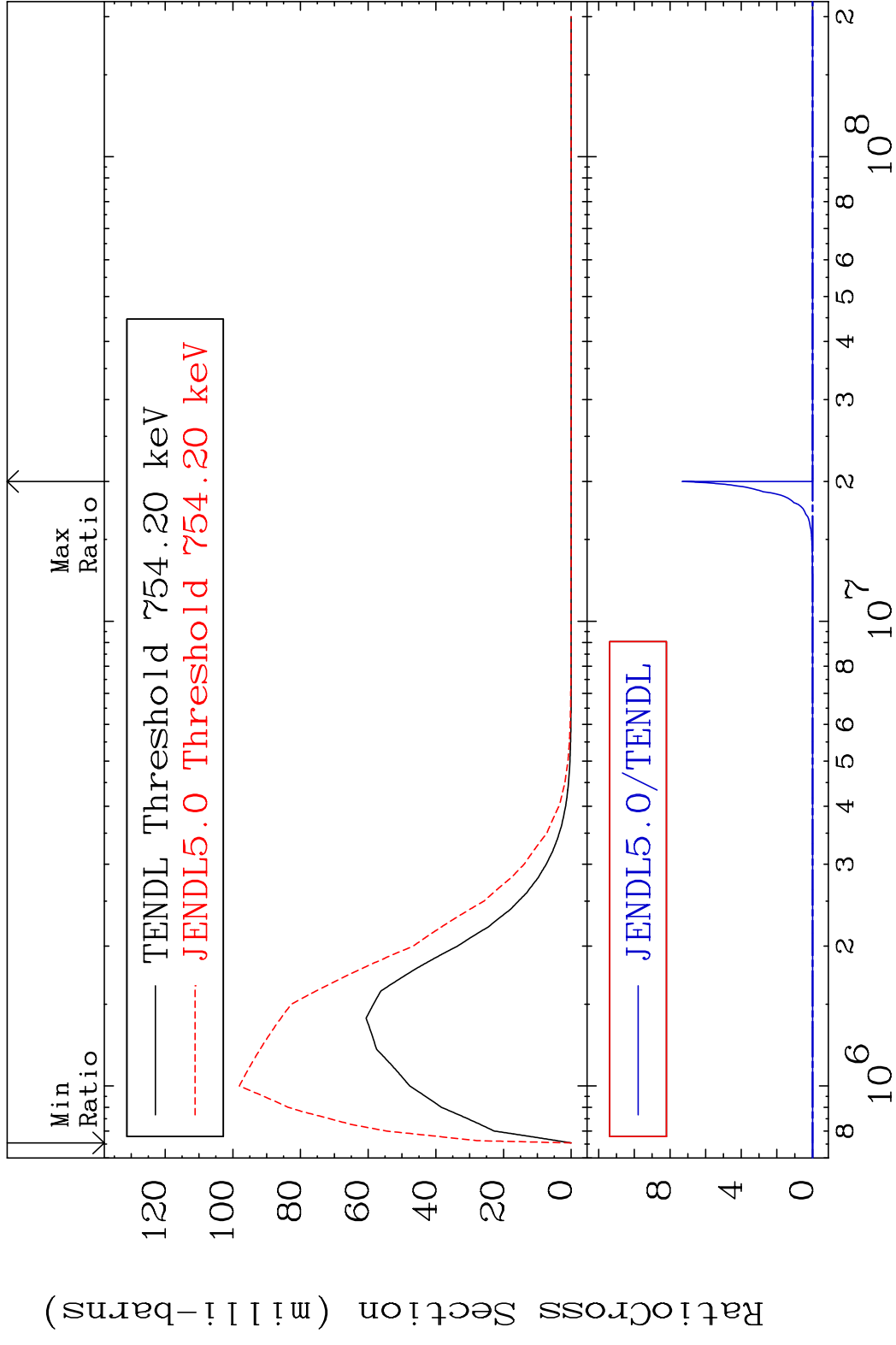
MAT 8034 MT= 63 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



MAT 8034 MT= 64 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 529.5 %

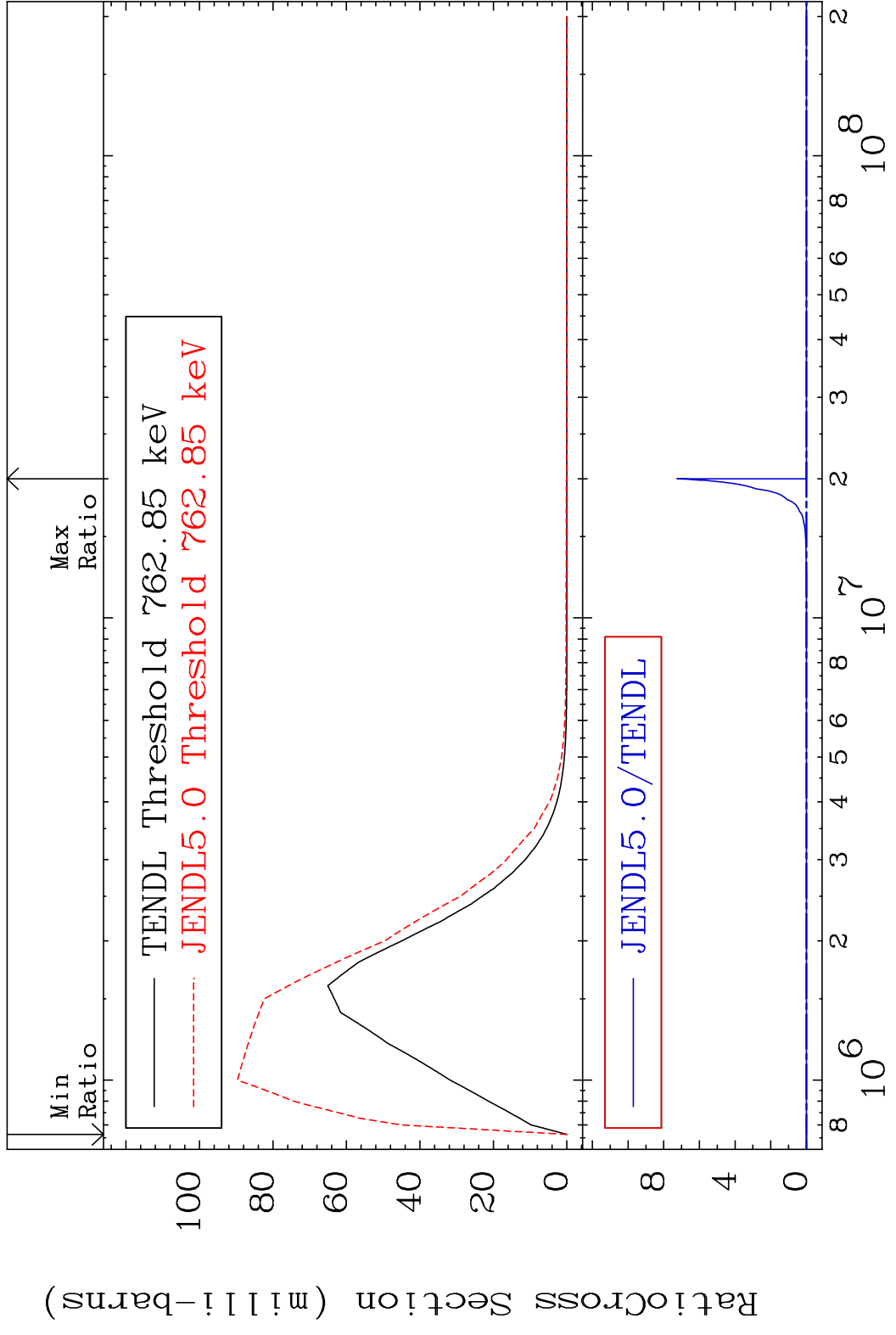


MAT 8034 MT= 65 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %

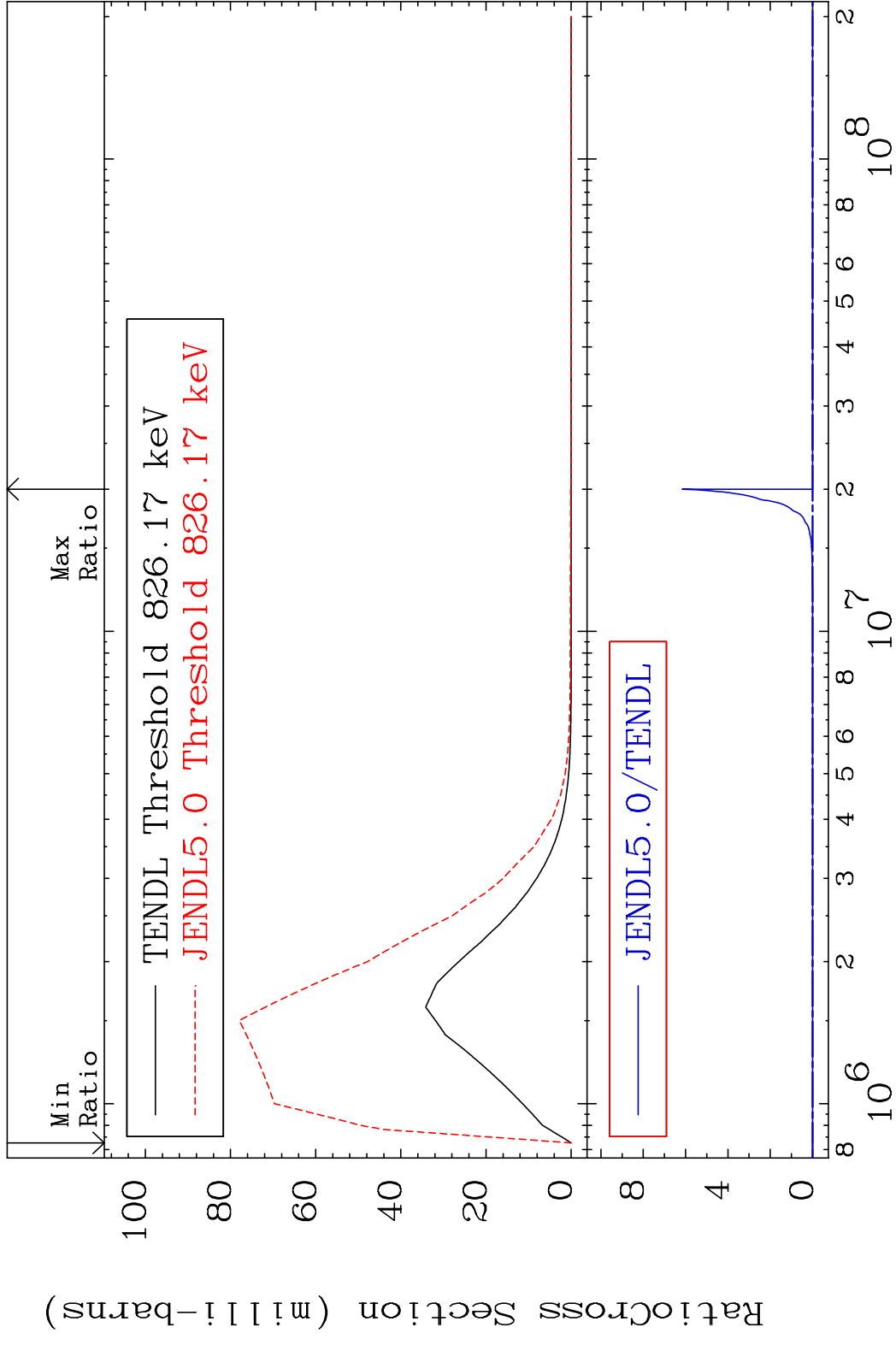


25 80-Hg-199

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



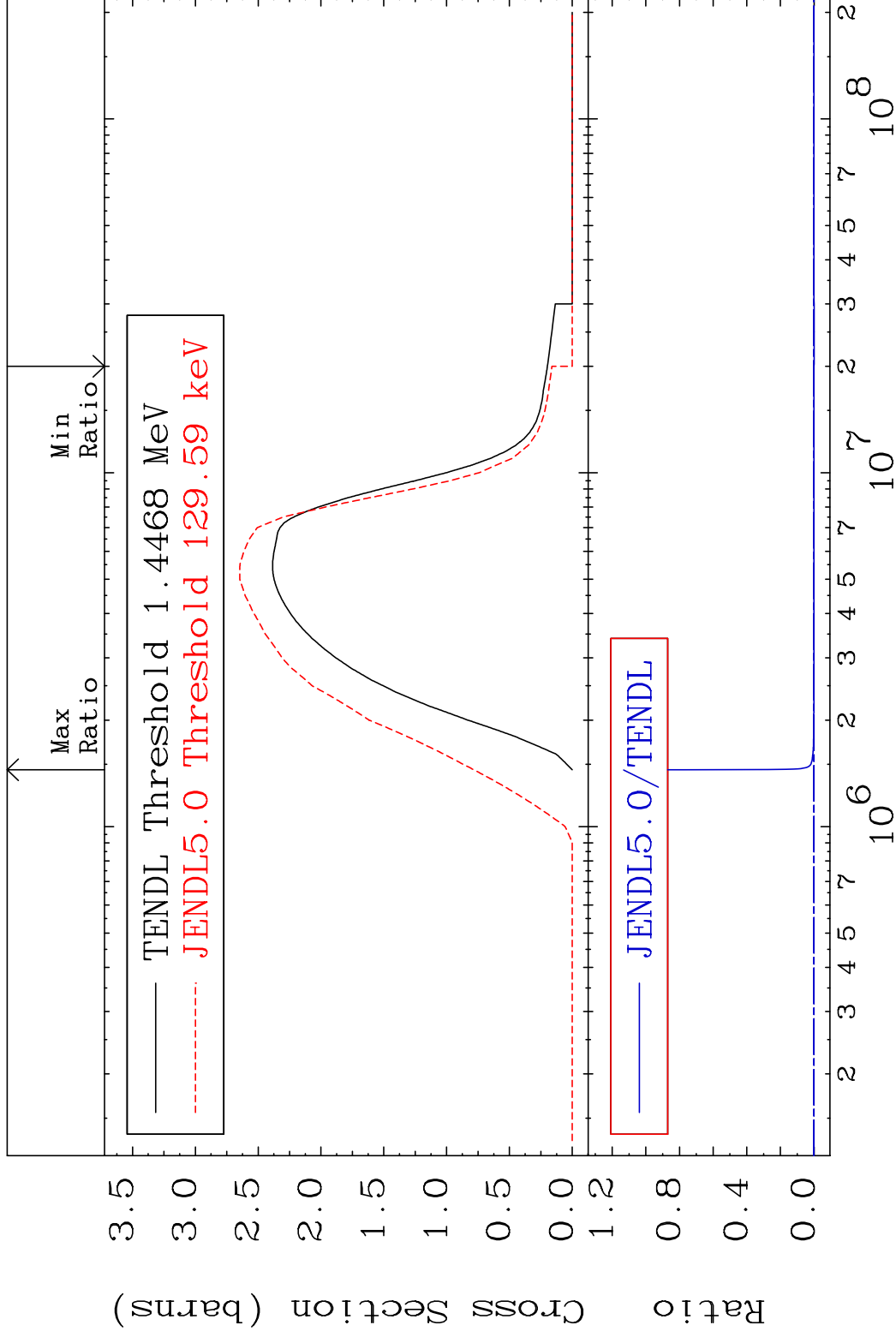
MAT 8034 MT= 67 (n, n') Level 80-Hg-199
 Cross Section -100.0 To 9999. %



MAT 8034

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

80-Hg-199



28

Incident Energy (eV)

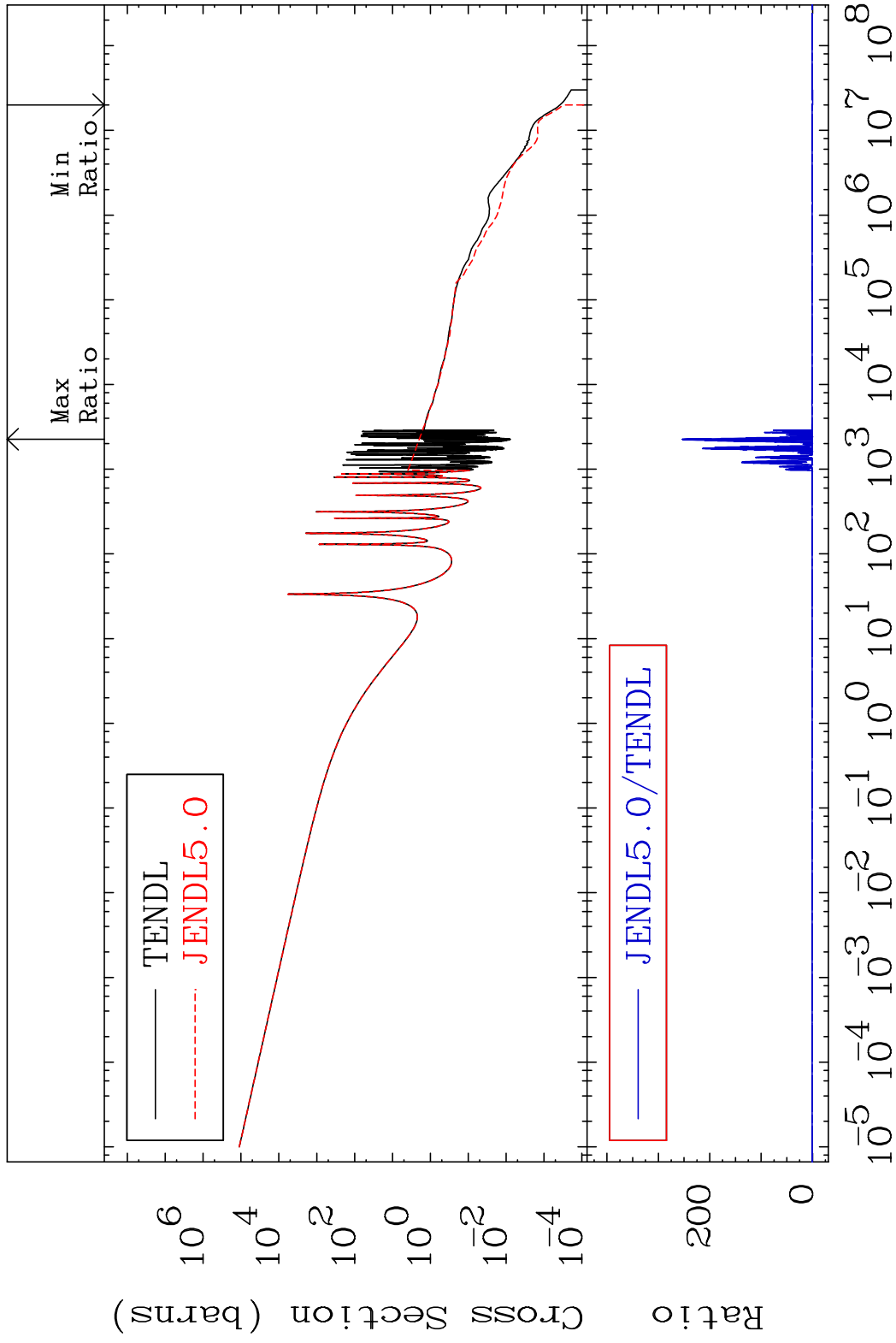
80-Hg-199

MAT 8034

(n, γ)

80-Hg-199

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

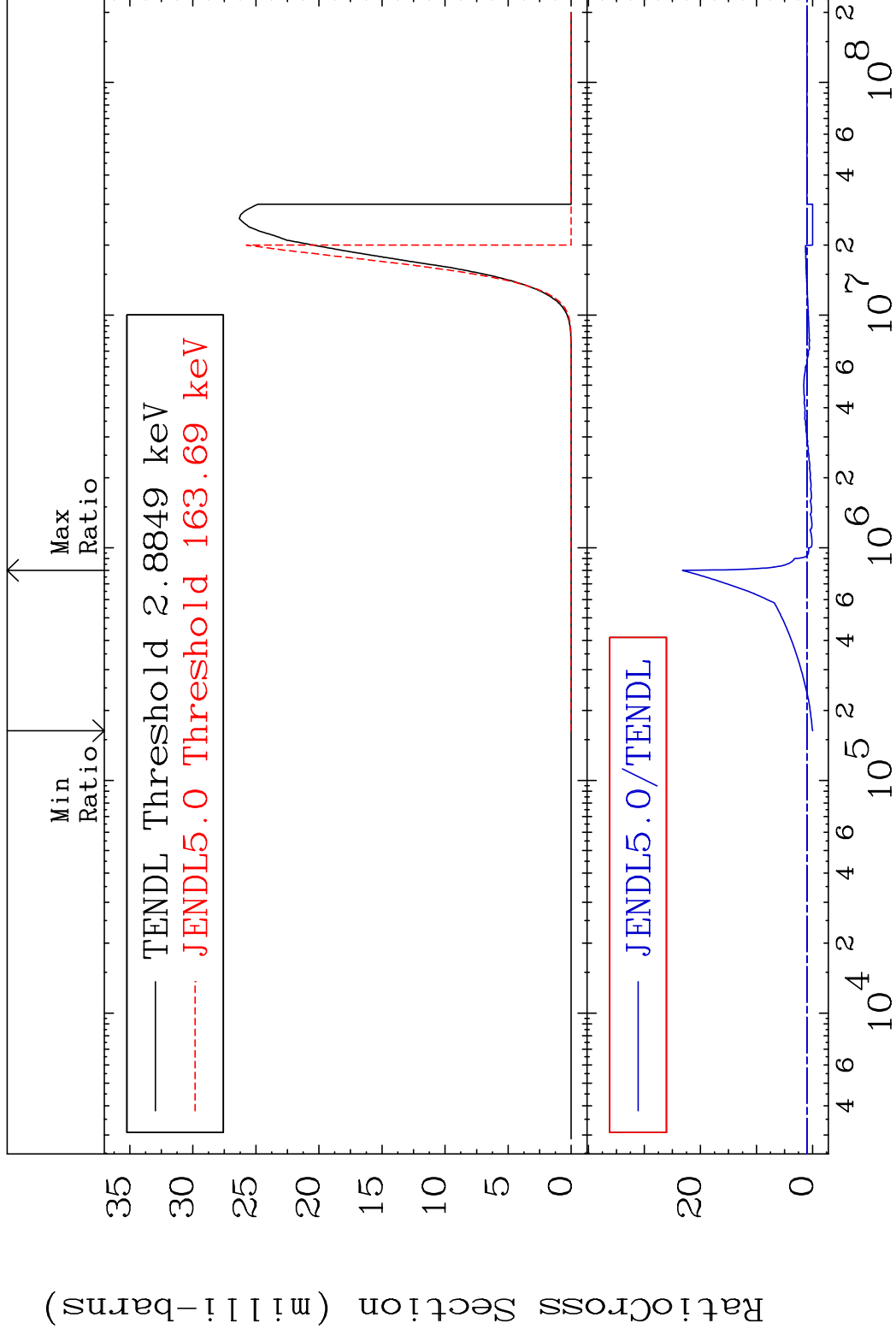
80-Hg-199

MAT 8034

(n, p)

80-Hg-199

Cross Section -100.0 To 2223. %



30

Incident Energy (eV)

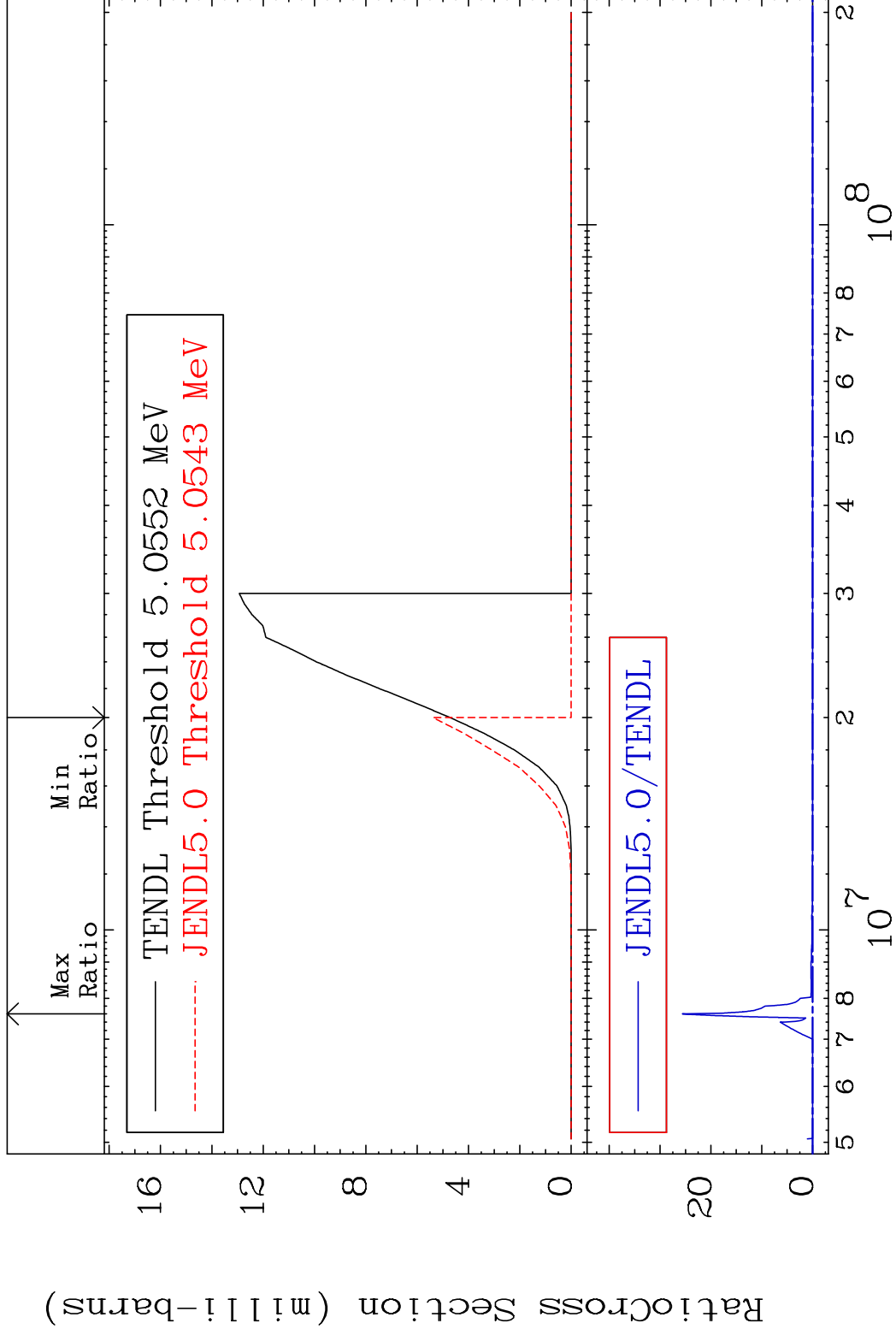
80-Hg-199

MAT 8034

(n,d)

80-Hg-199

Cross Section -100.0 To 9999. %

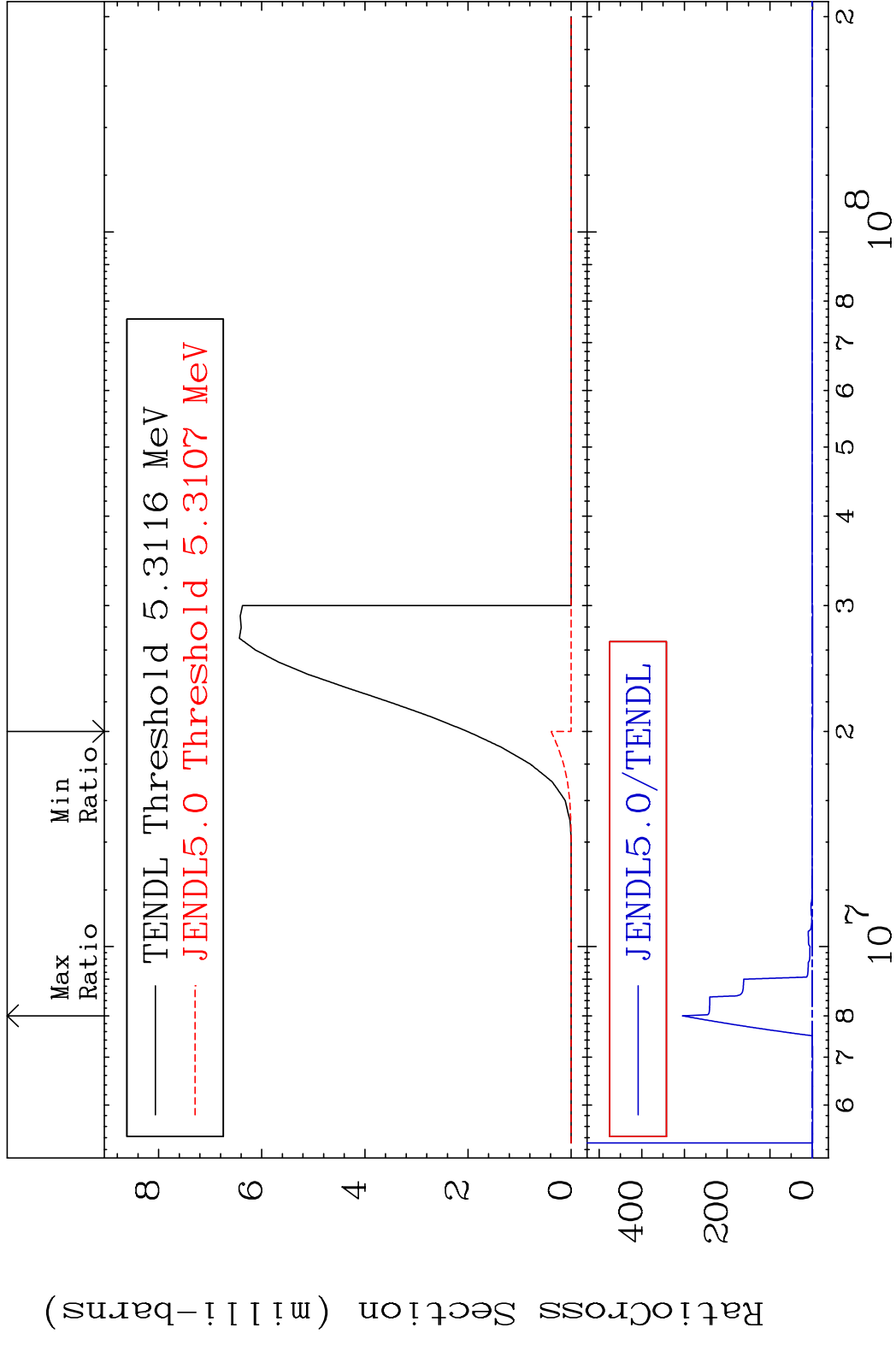


31

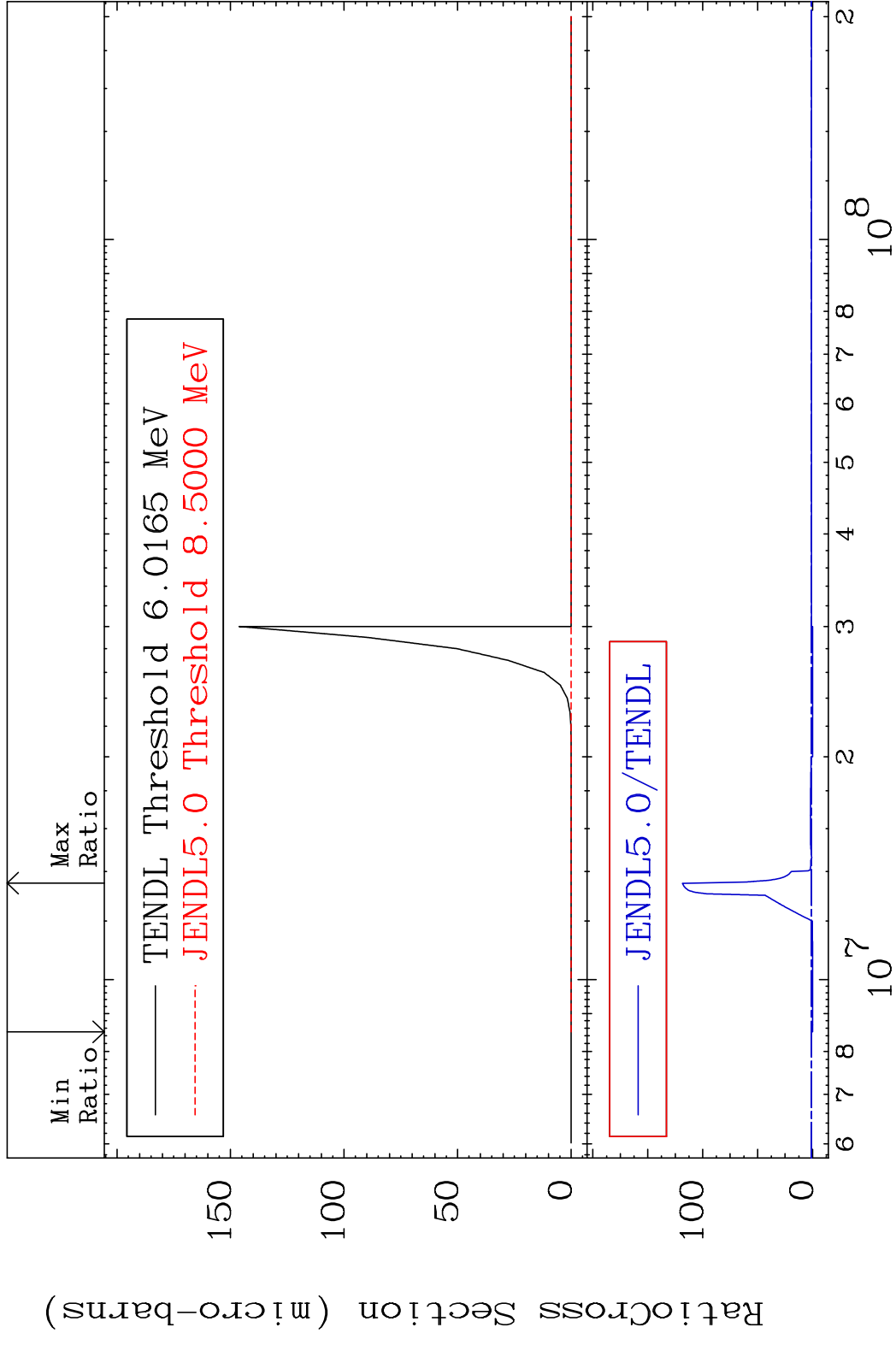
Incident Energy (eV)

80-Hg-199

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



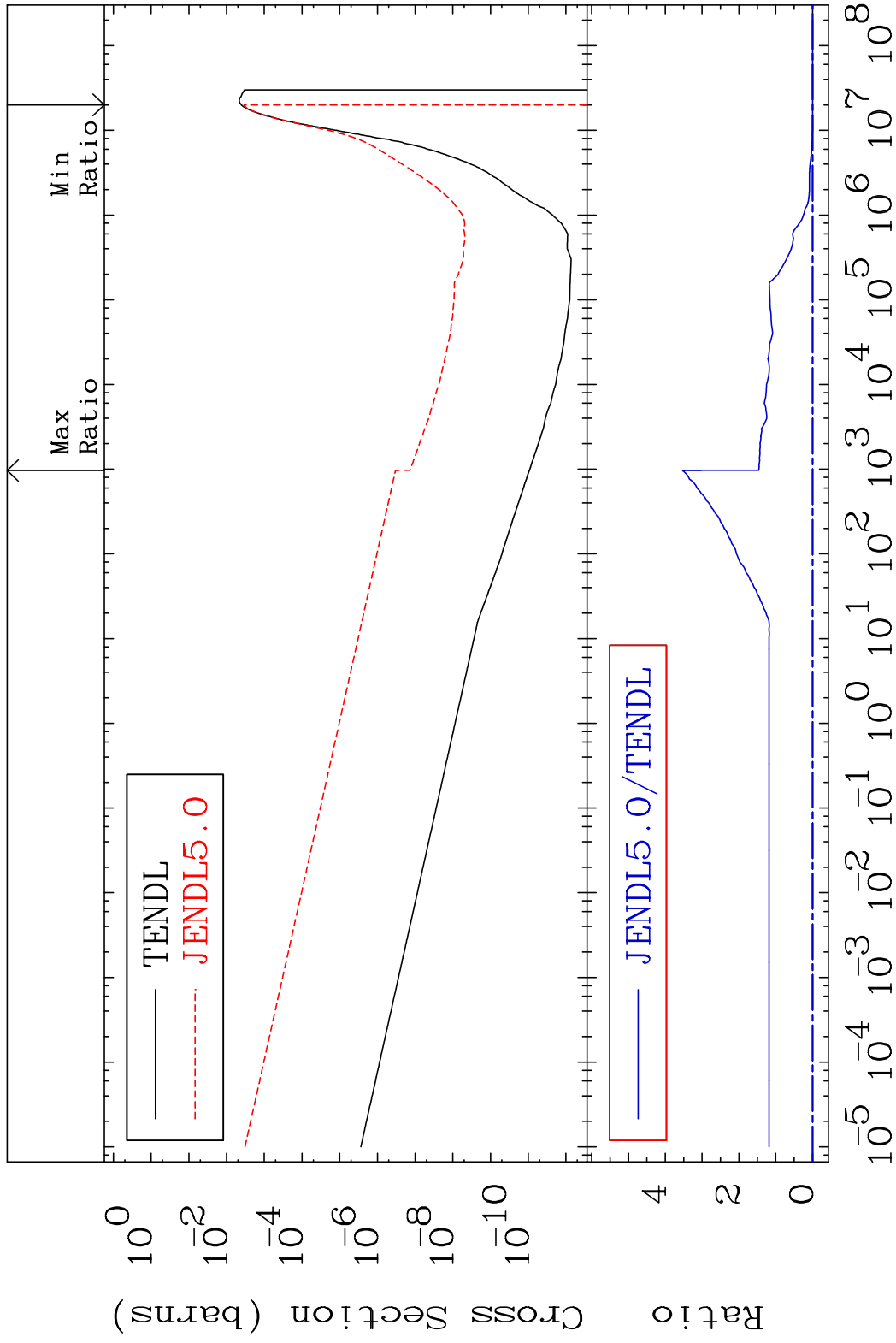
MAT 8034 (n, He-3) 80-Hg-199
 Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 80-Hg-199

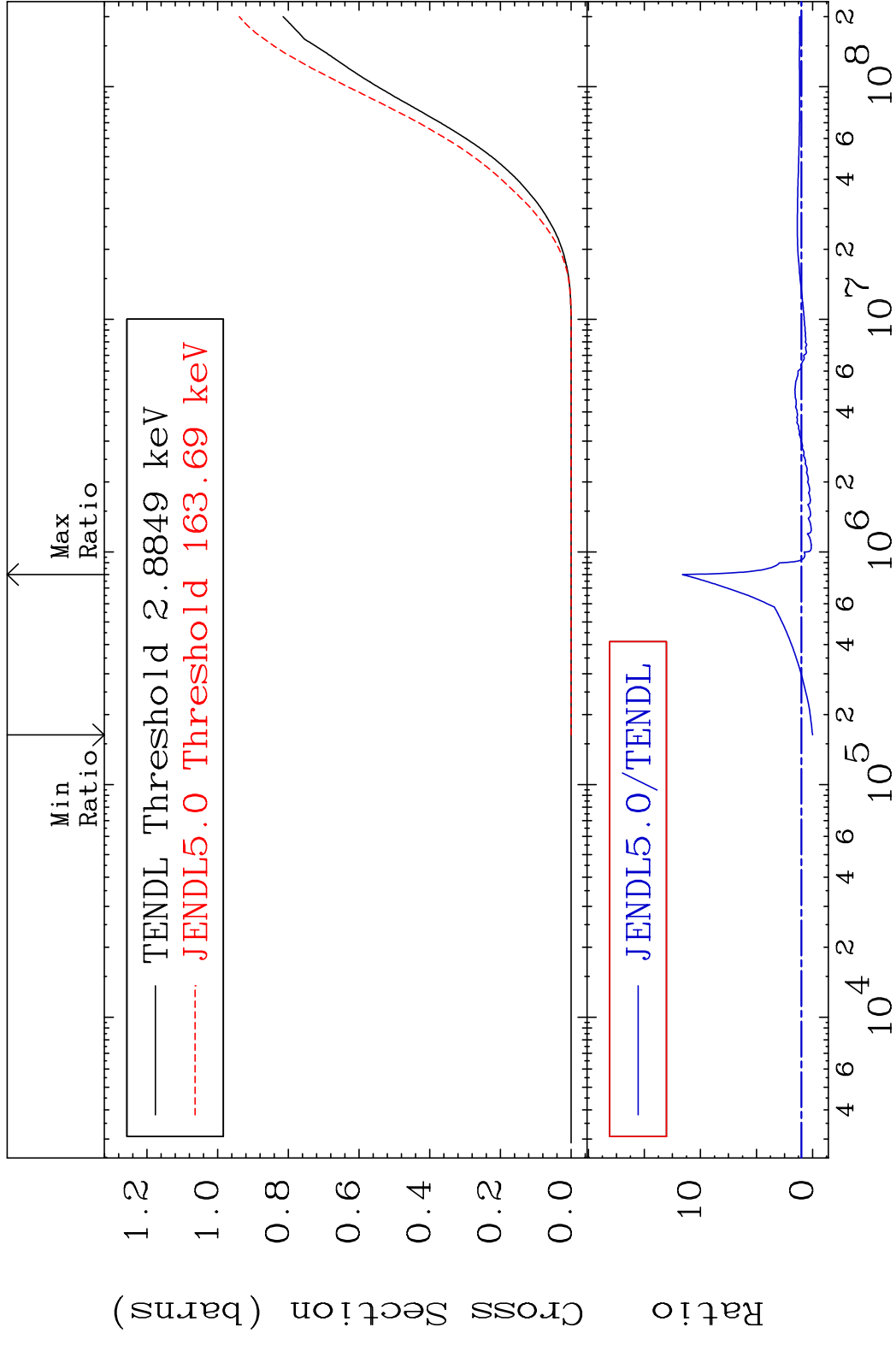
MAT 8034

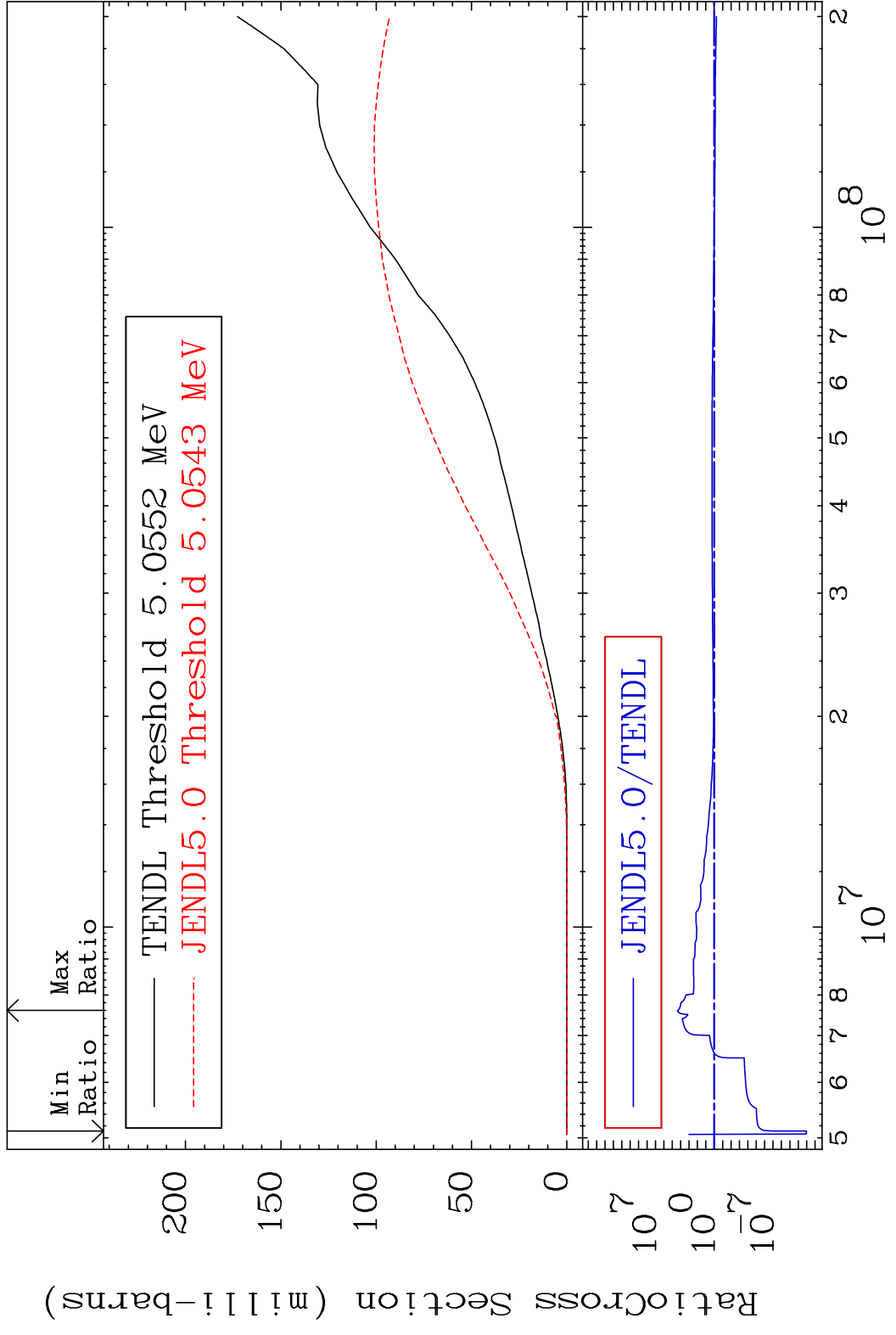
(n, α)
Cross Section -100.0 To 9999. %
80-Hg-199



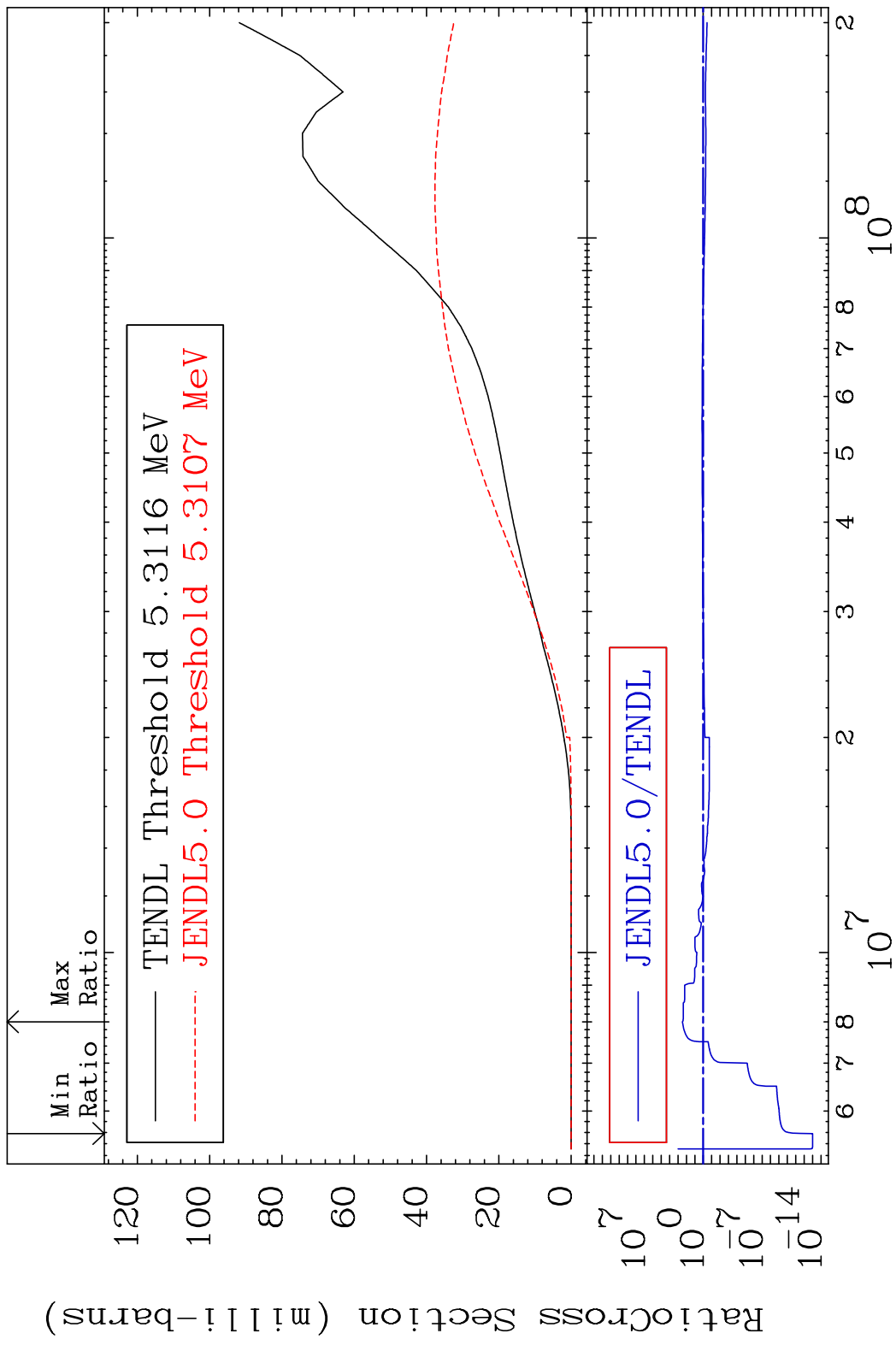
34

Incident Energy (eV) 80-Hg-199





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

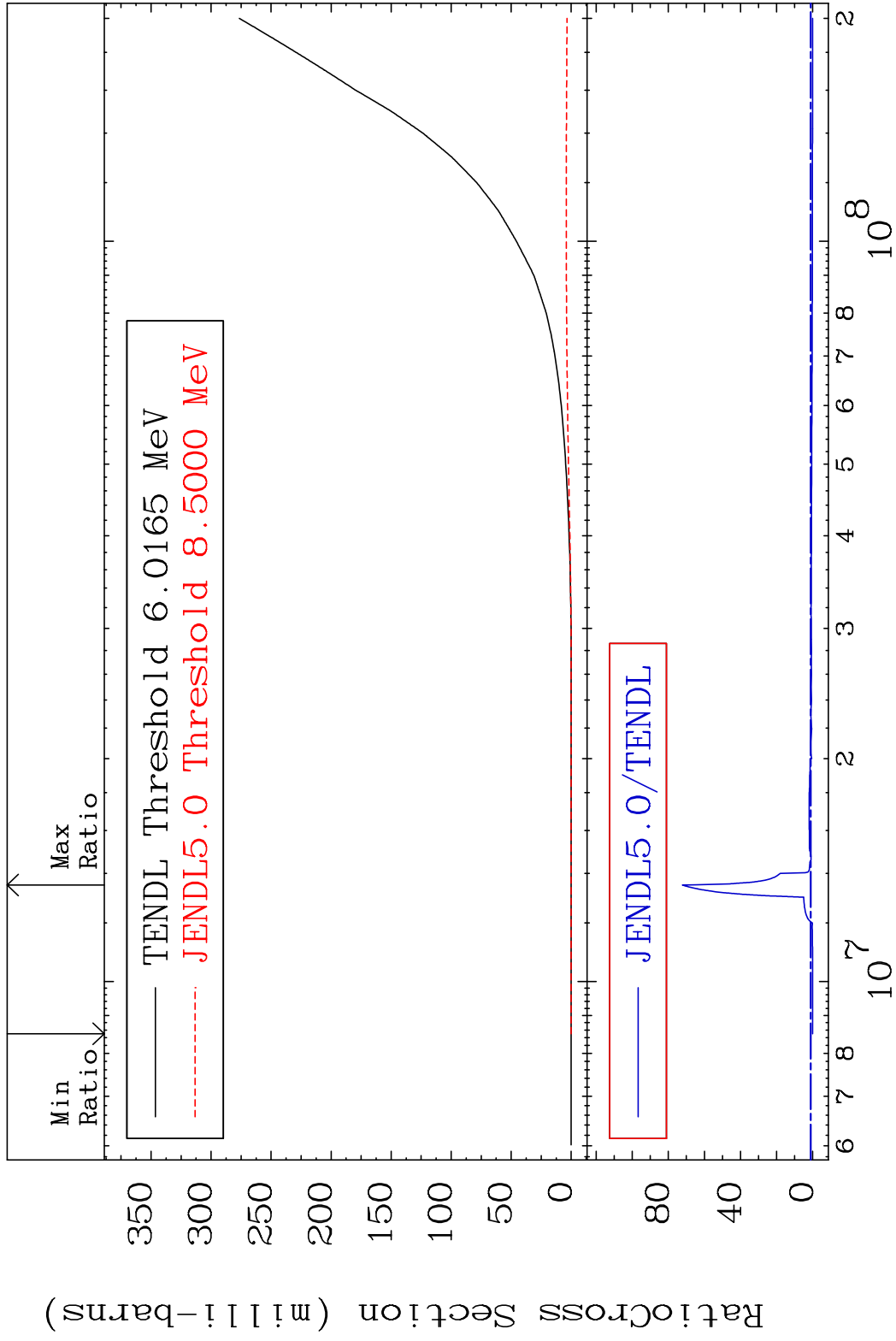


MAT 8034

He-3 Production

80-Hg-199

Cross Section -100.0 To 7123. %



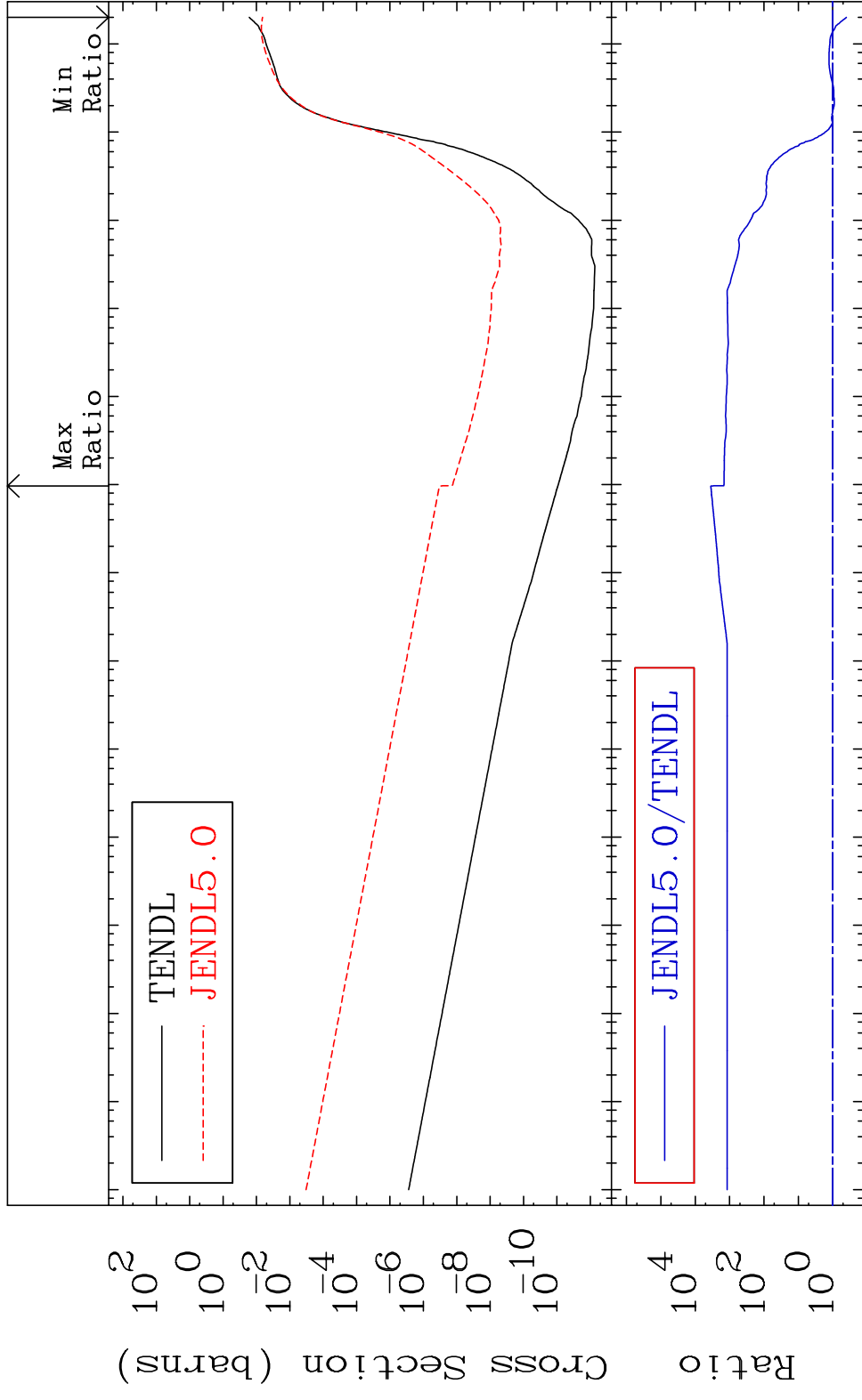
38

Incident Energy (eV)

80-Hg-199

MAT 8034

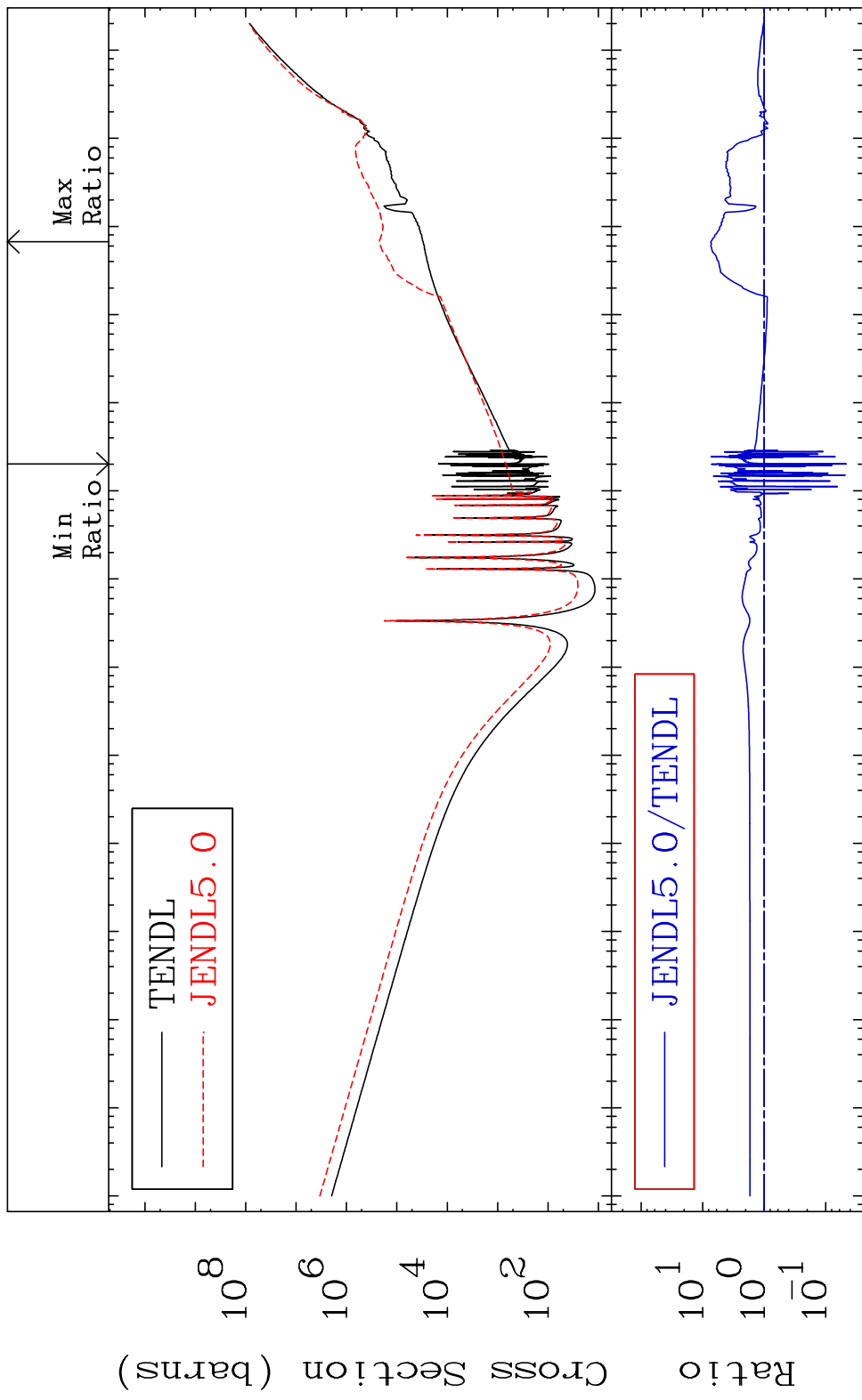
He-4 Production Cross Section -60.02 To 9999. %
80-Hg-199



39

Incident Energy (eV) 80-Hg-199

MAT 8034 Kerma total (eV-barns) 80-Hg-199
Cross Section -95.36 To 640.8 %



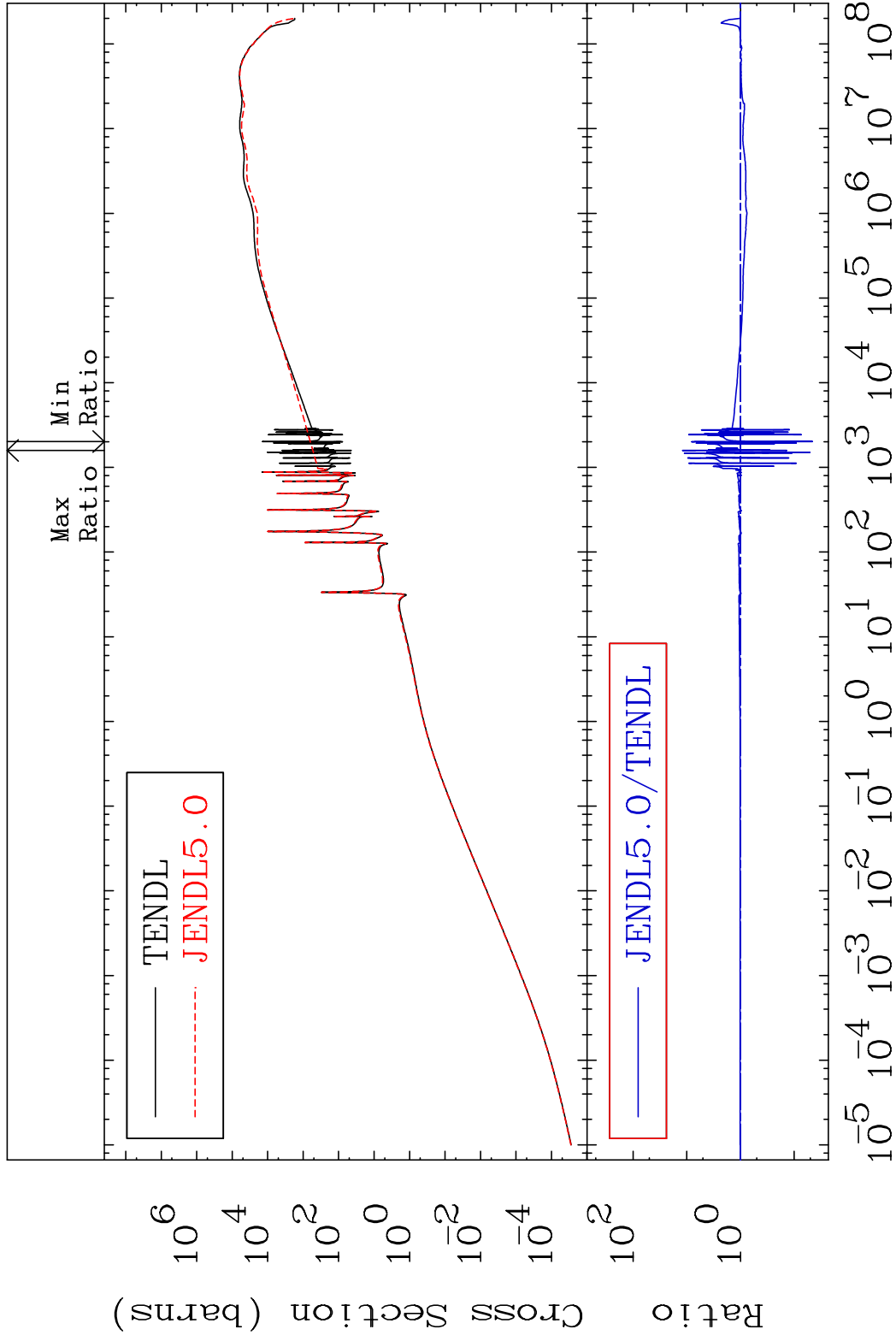
Ratio
Cross Section (barns)
10⁸
10⁶
10⁴
10²
10¹
10⁰
10⁻¹
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
40 Incident Energy (eV) 80-Hg-199

MAT 8034

Kerma elastic

80-Hg-199

Cross Section -95.46 To 1112. %

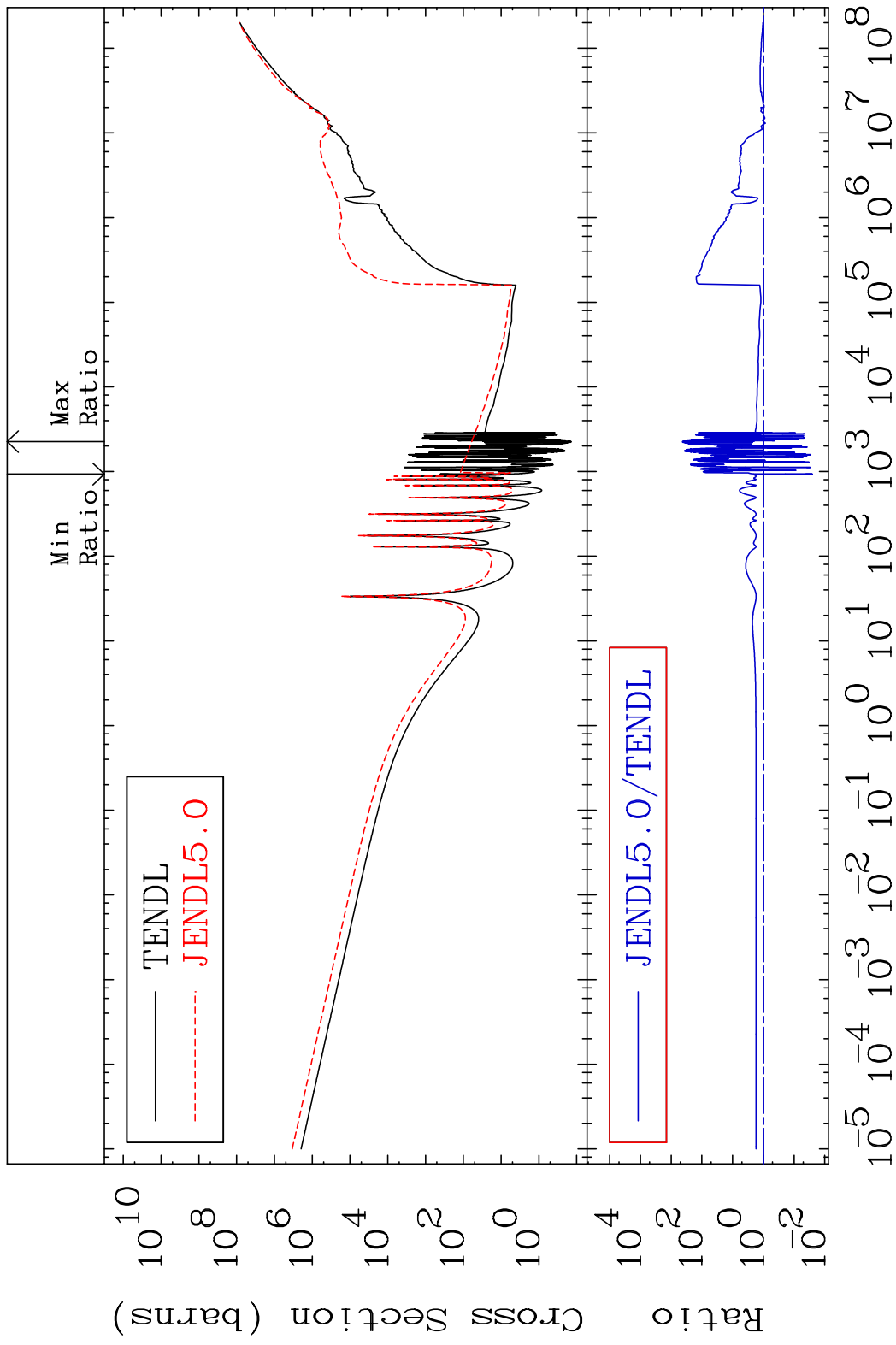


41

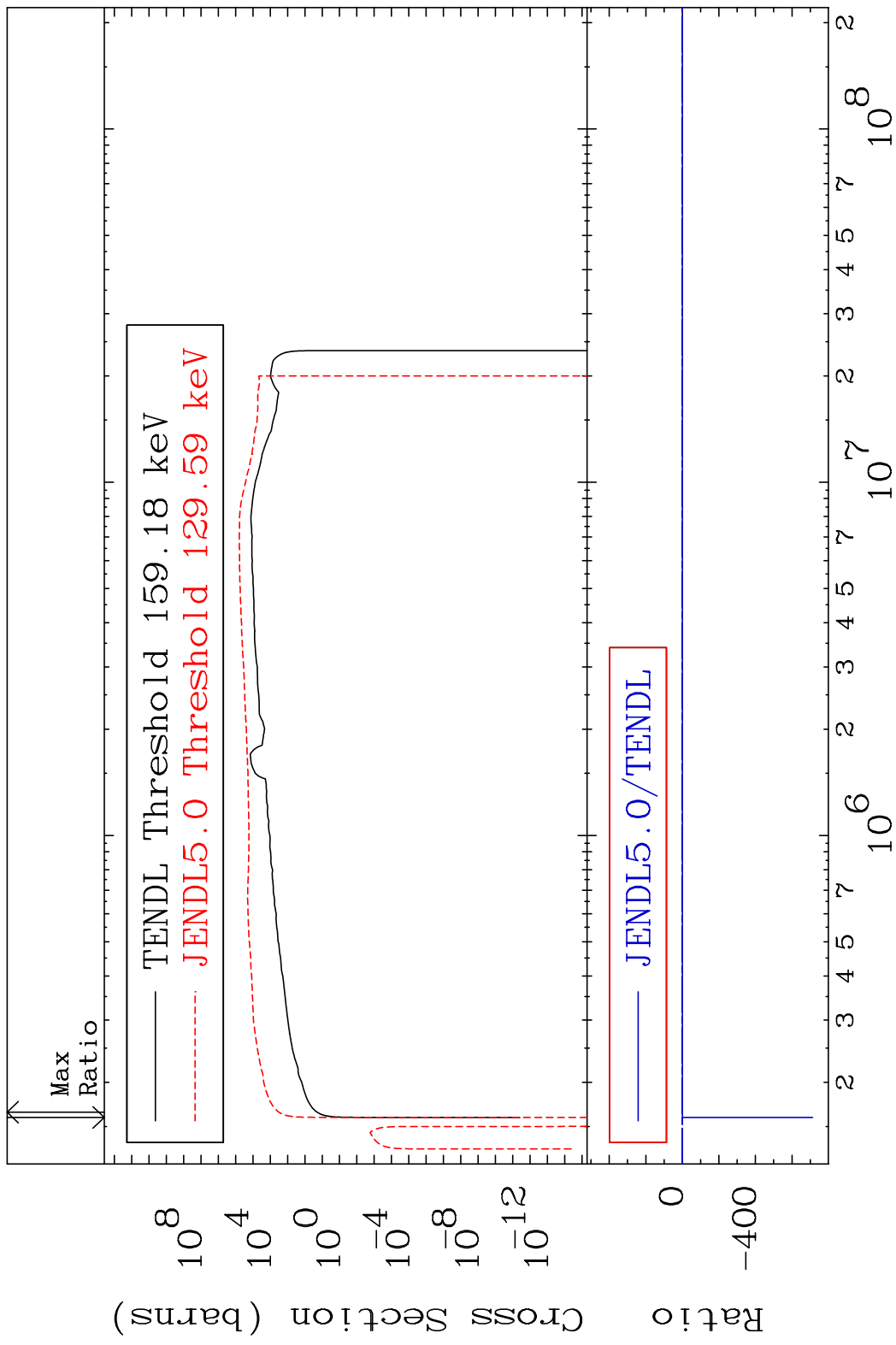
Incident Energy (eV)

80-Hg-199

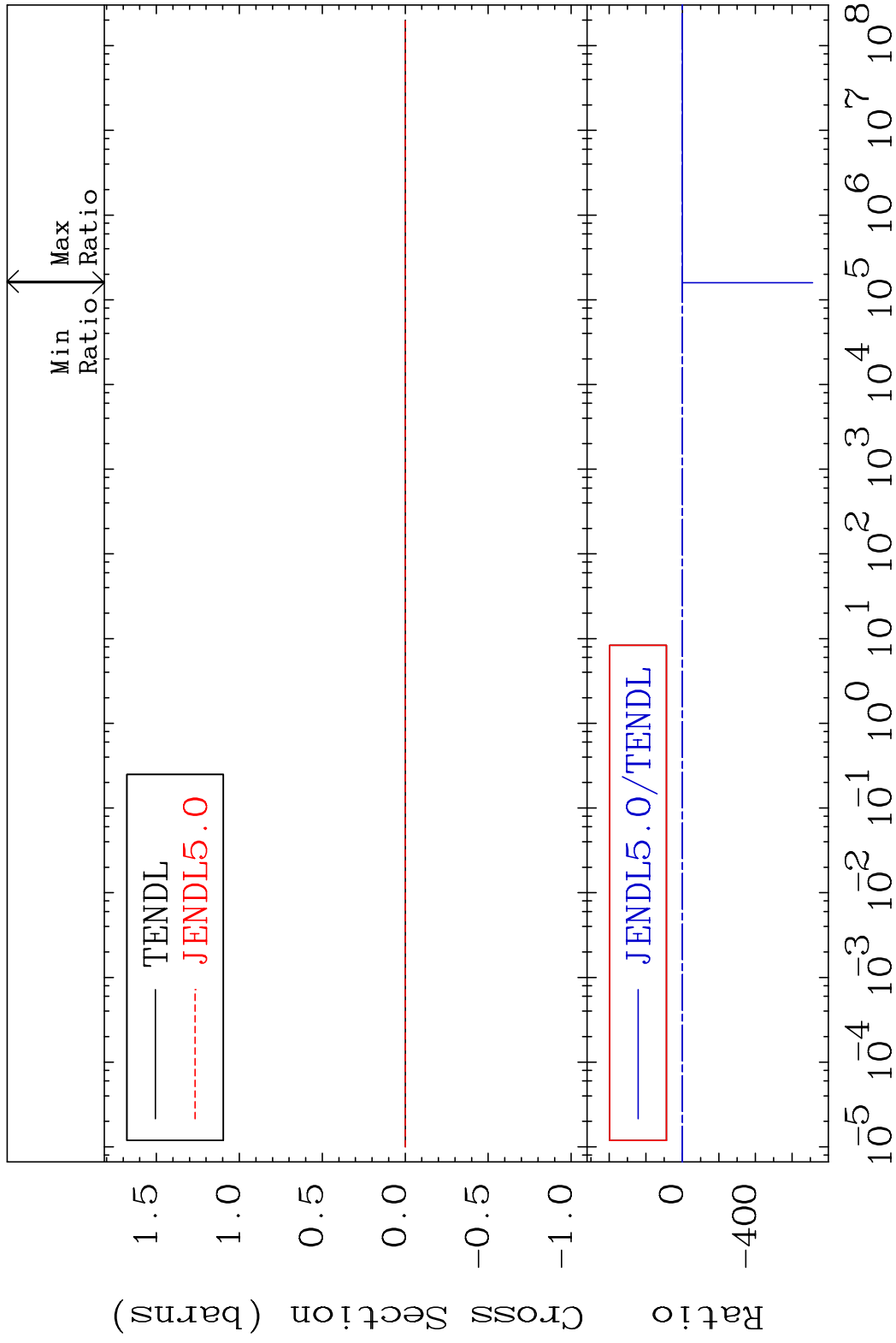
MAT 8034 Kerma non-elastic (all but mt2) 80-Hg-199
 Cross Section -97.50 To 9999. %



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



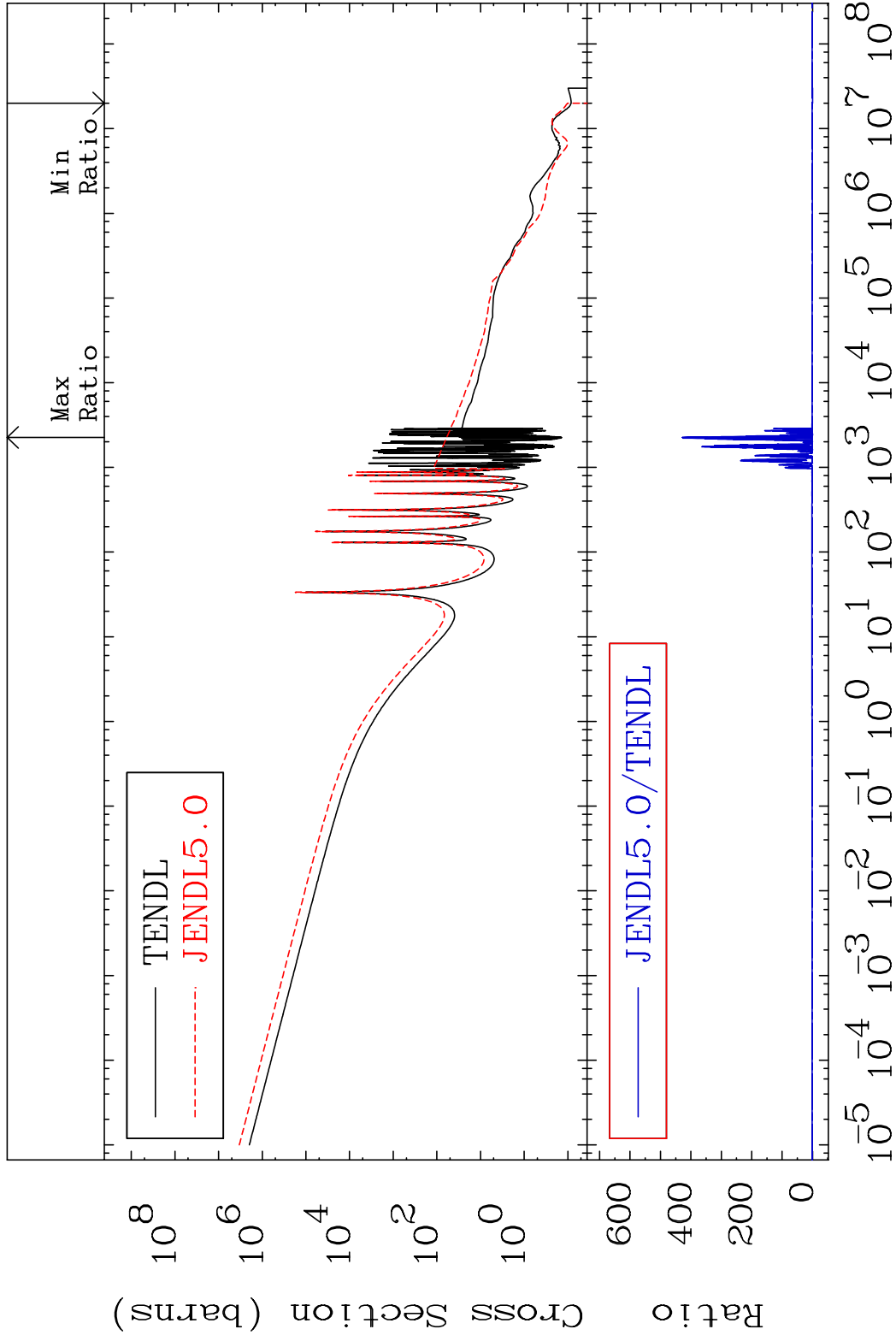
MAT 8034 Kerma fission (mt18 or mt19-20-21-38)80-Hg-199
 Cross Section -9999. To 9999. %



MAT 8034

Kerma capture (mt102) 80-Hg-199

Cross Section -100.0 To 9999. %

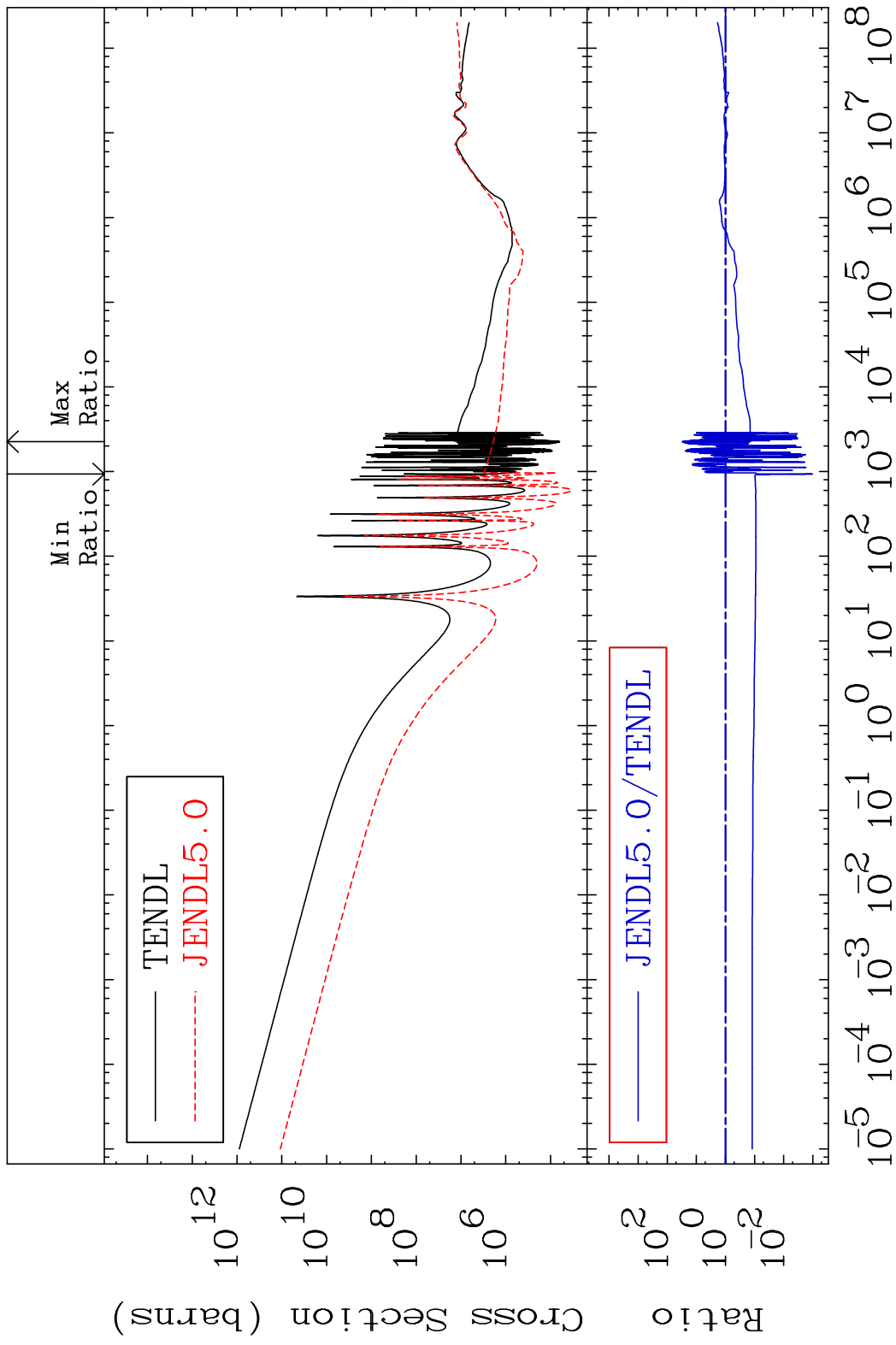


45

Incident Energy (eV)

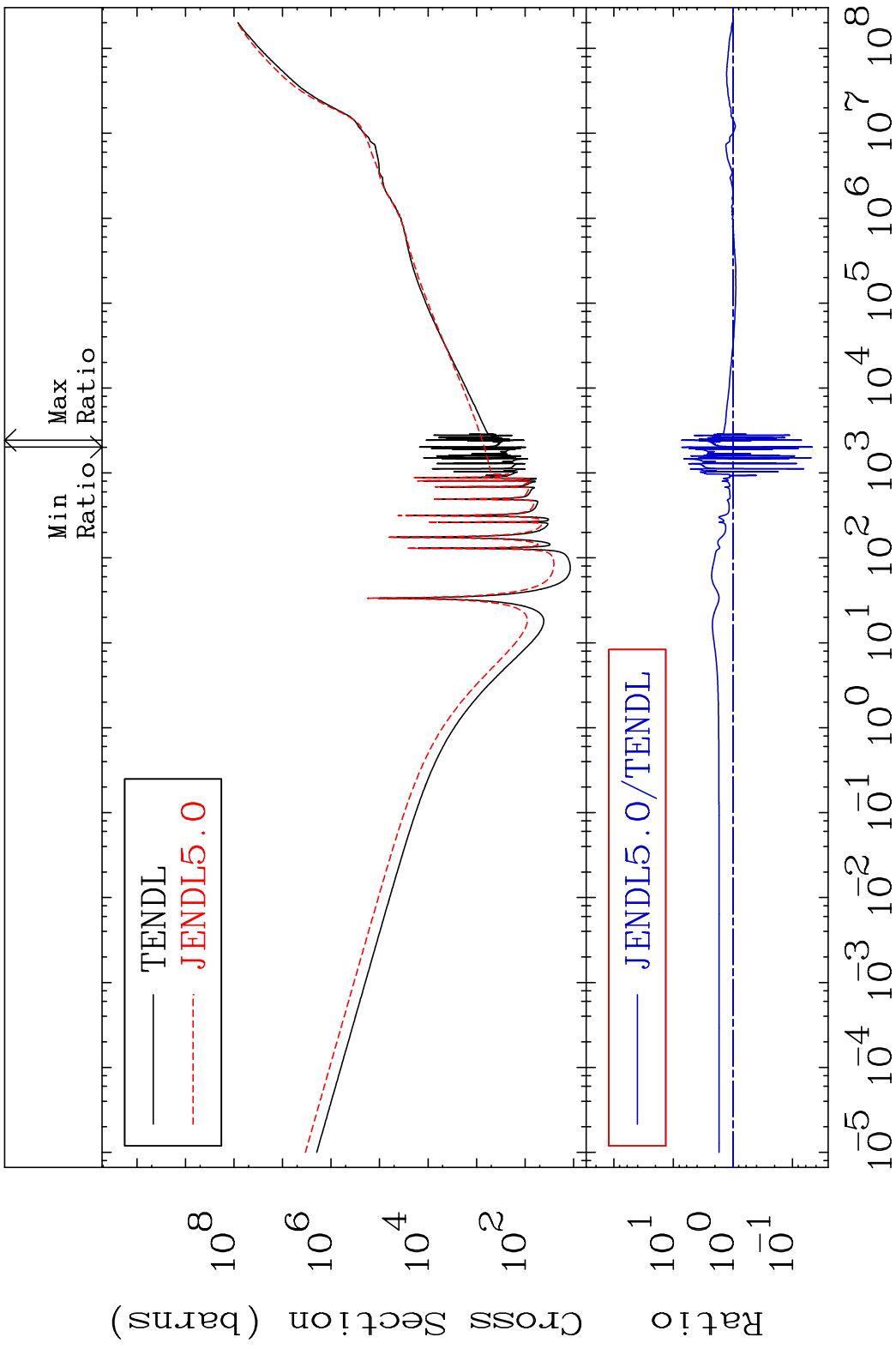
80-Hg-199

MAT 8034 Total photon (eV-barns) 80-Hg-199
 Cross Section -99.90 To 2932. %

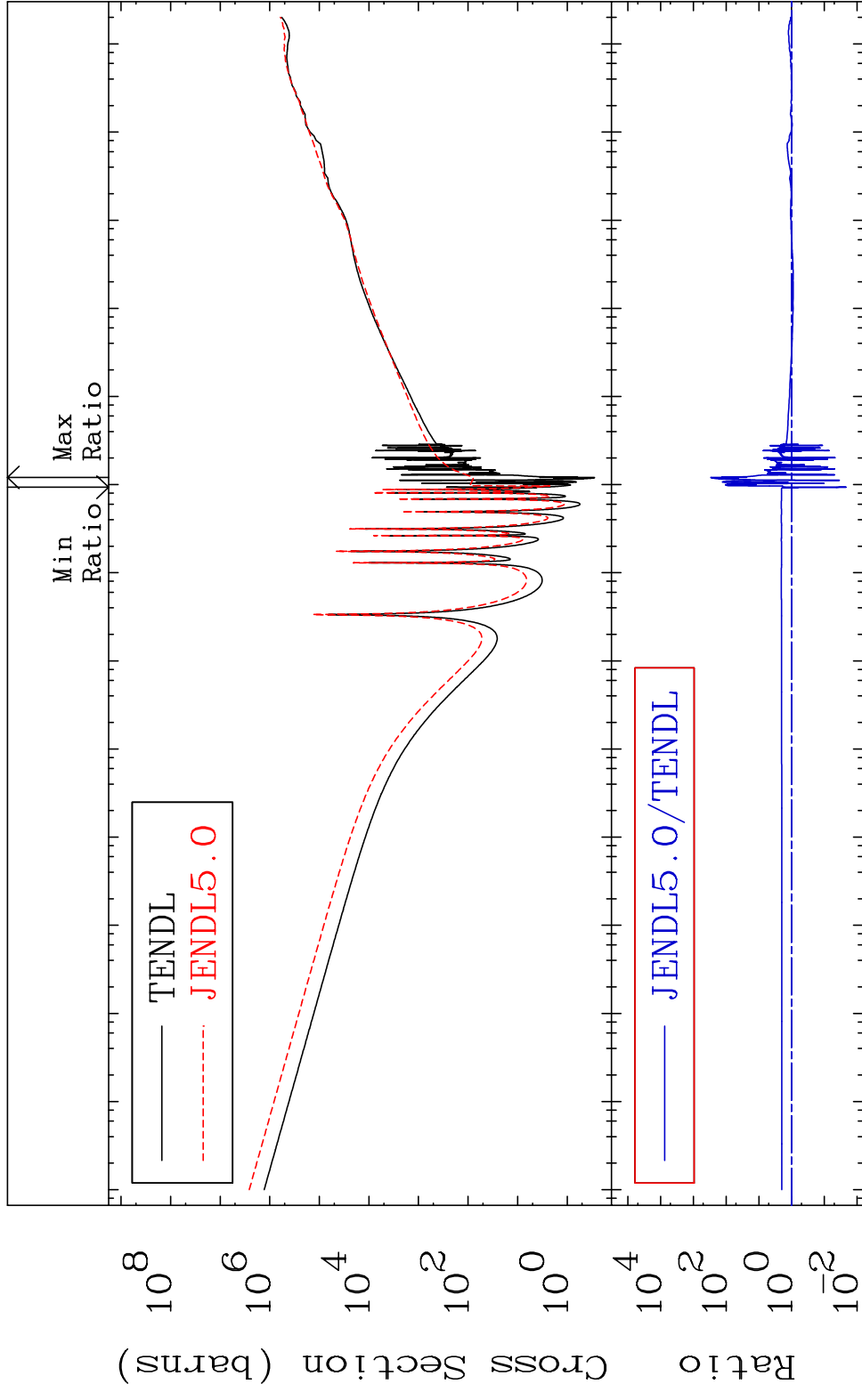


46 Incident Energy (eV) 80-Hg-199

MAT 8034 Total kinematic kerma (high limit) 80-Hg-199
Cross Section -95.36 To 624.2 %



MAT 8034 Dpa total (eV-barns) 80-Hg-199
 Cross Section -97.87 To 9999. %

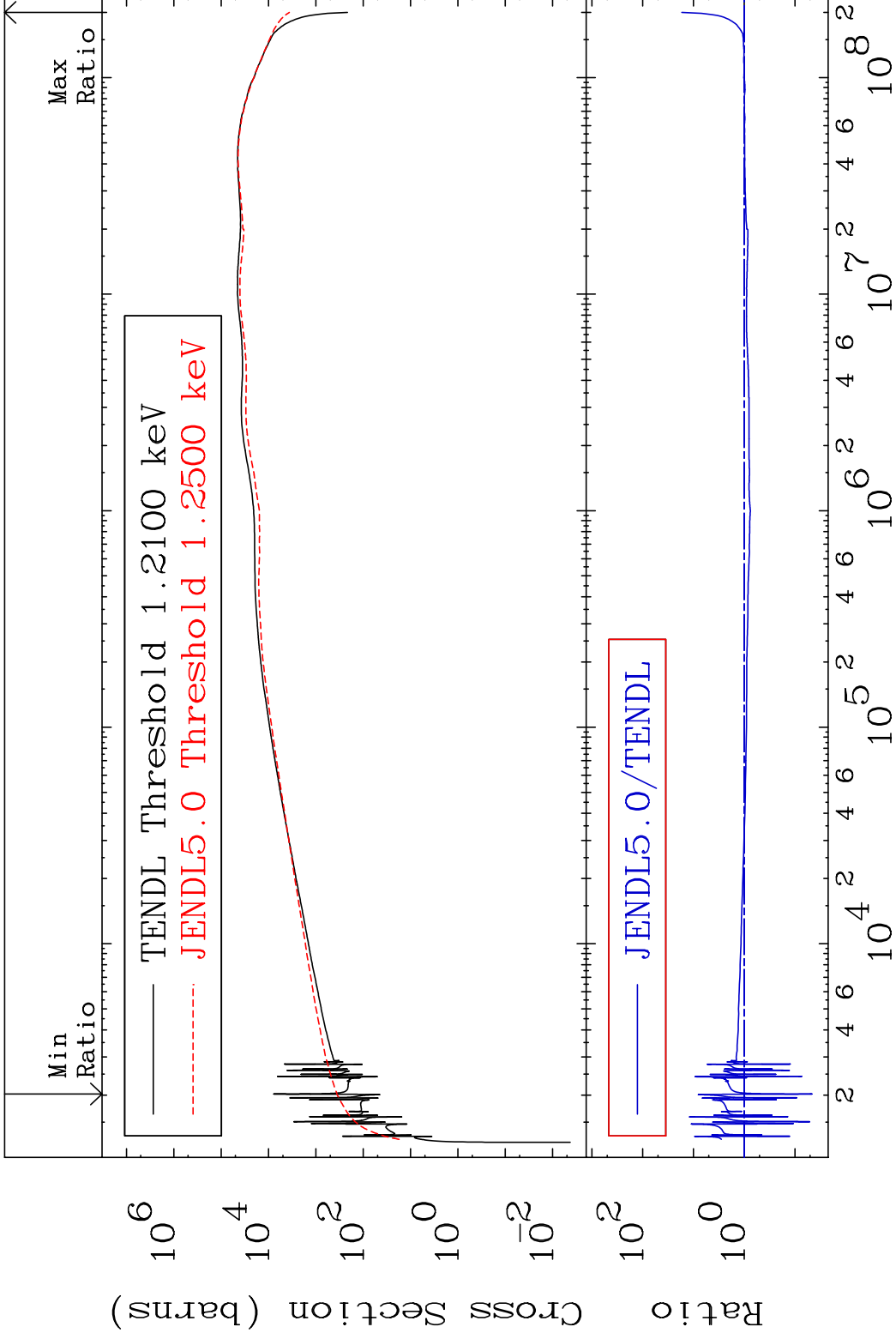


MAT 8034

Dpa elastic (mt2)

80-Hg-199

Cross Section -95.46 To 1602. %

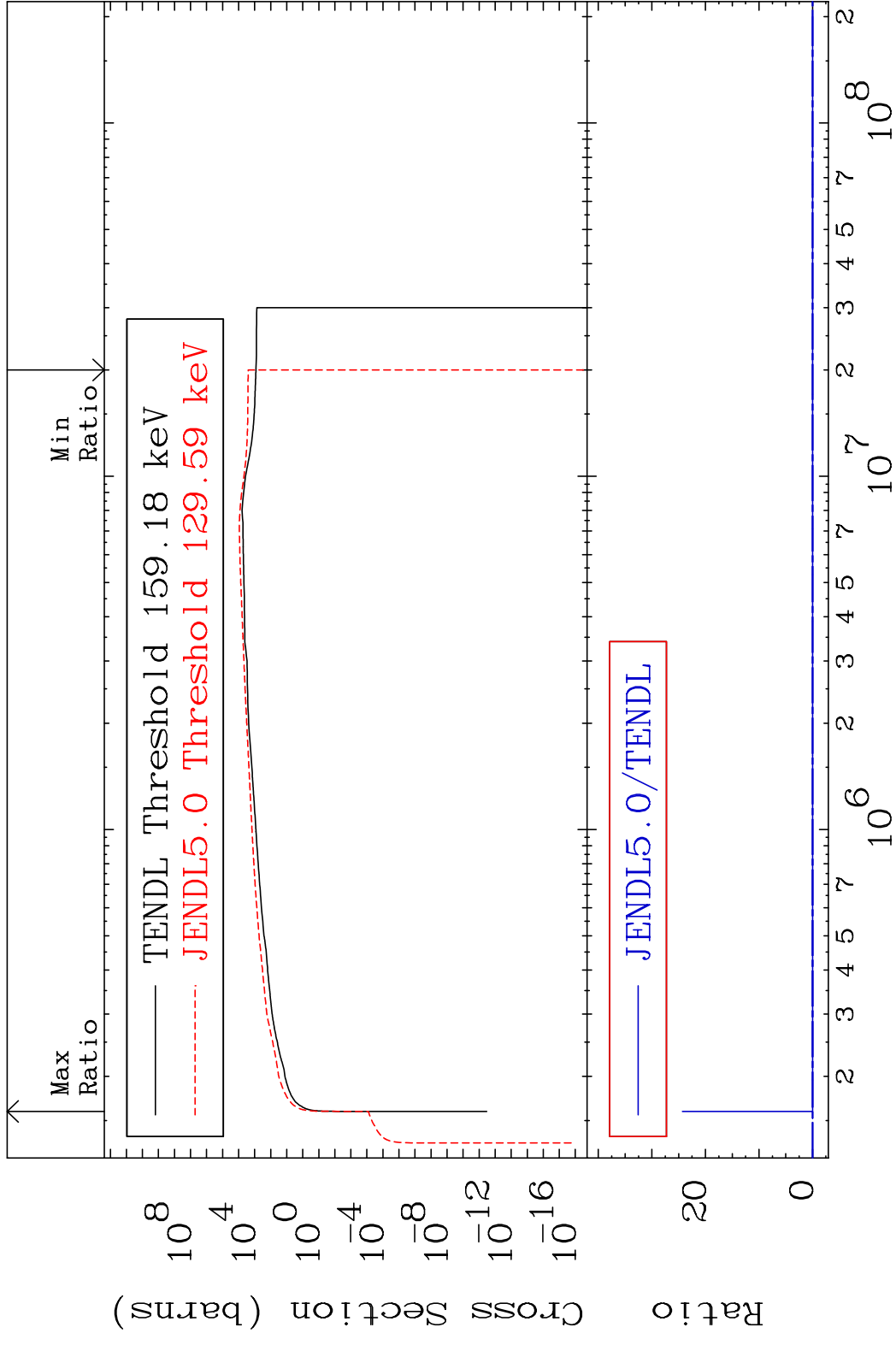


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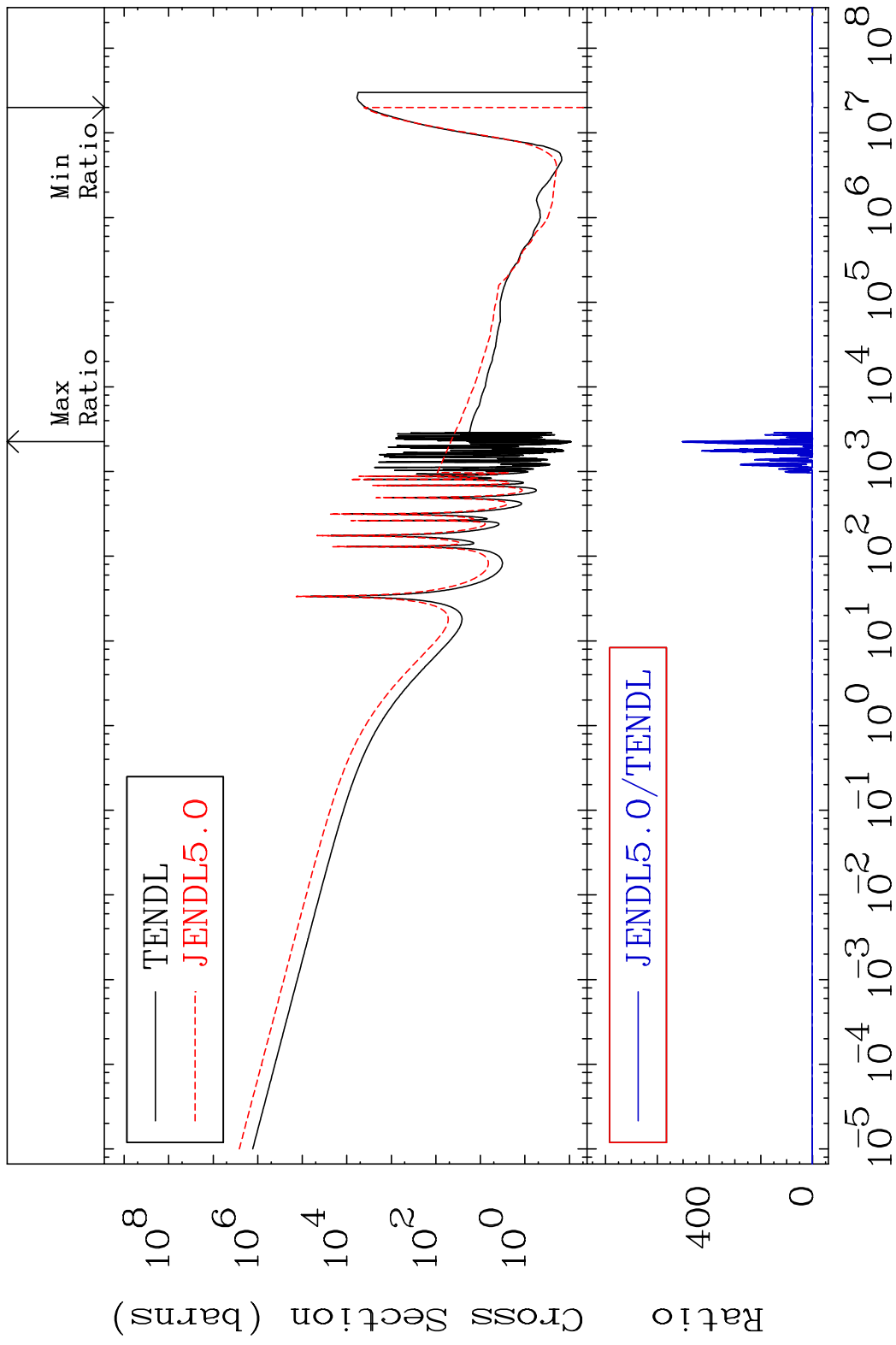
Incident Energy (eV)

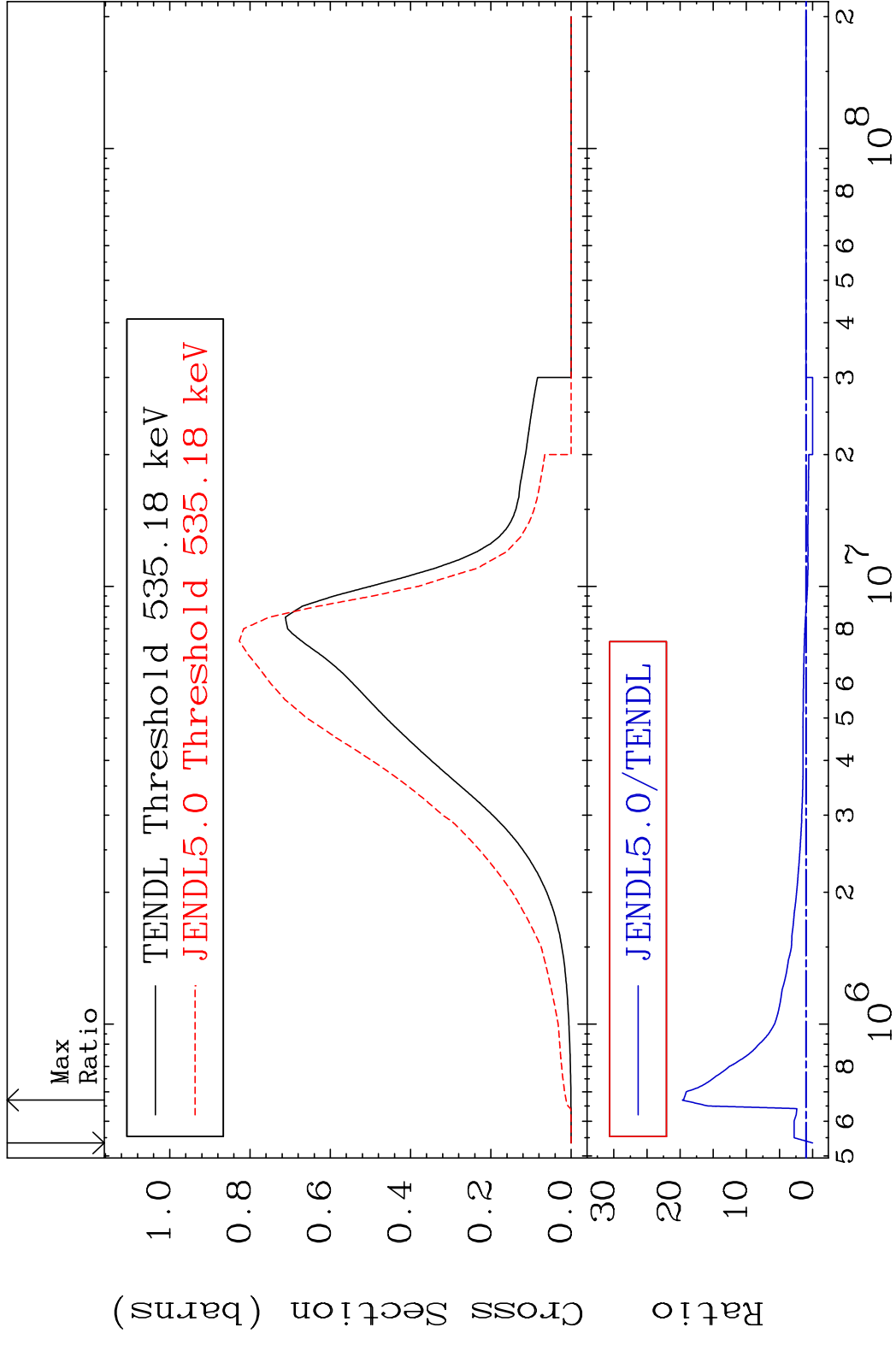
80-Hg-199

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

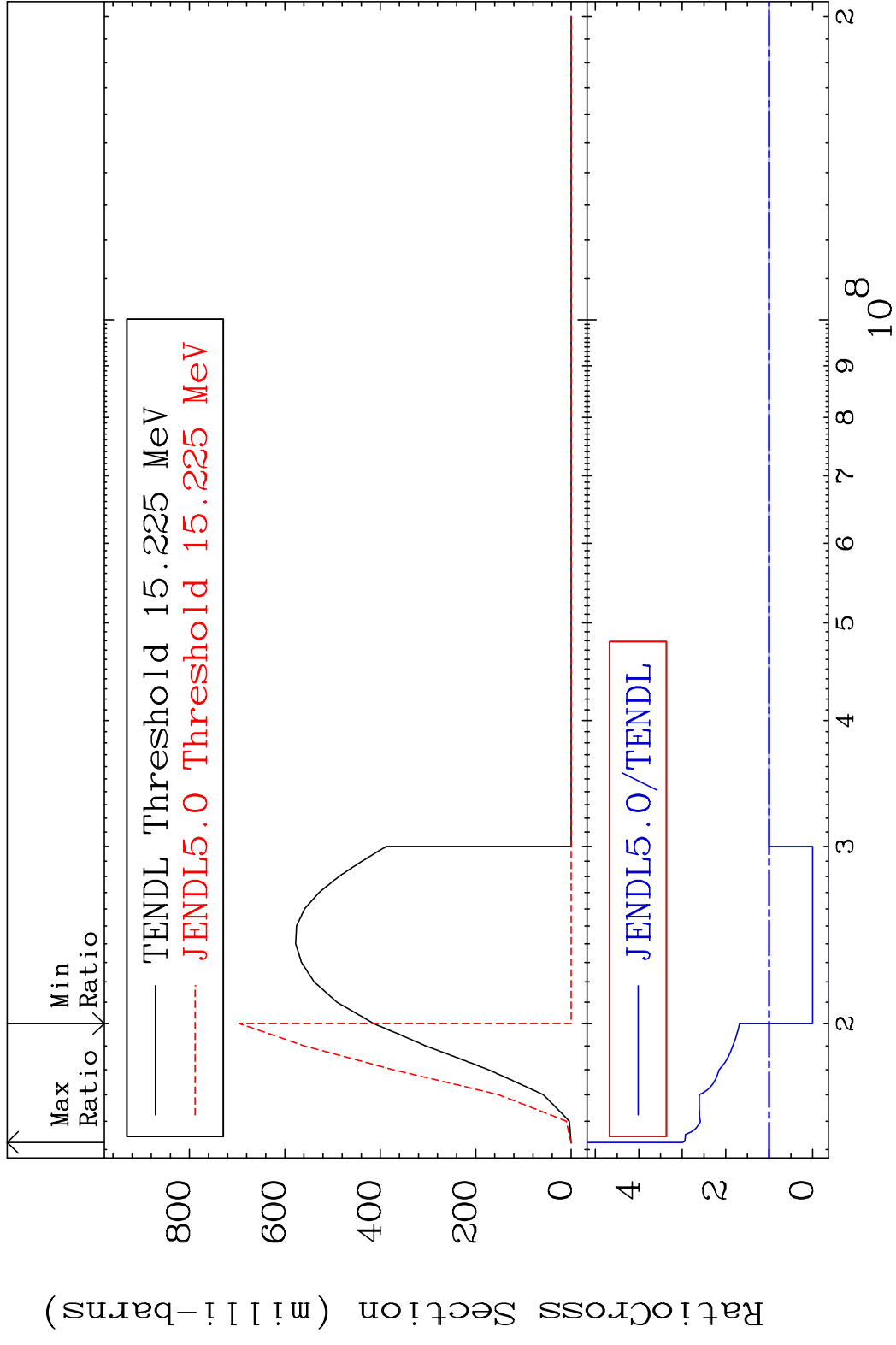


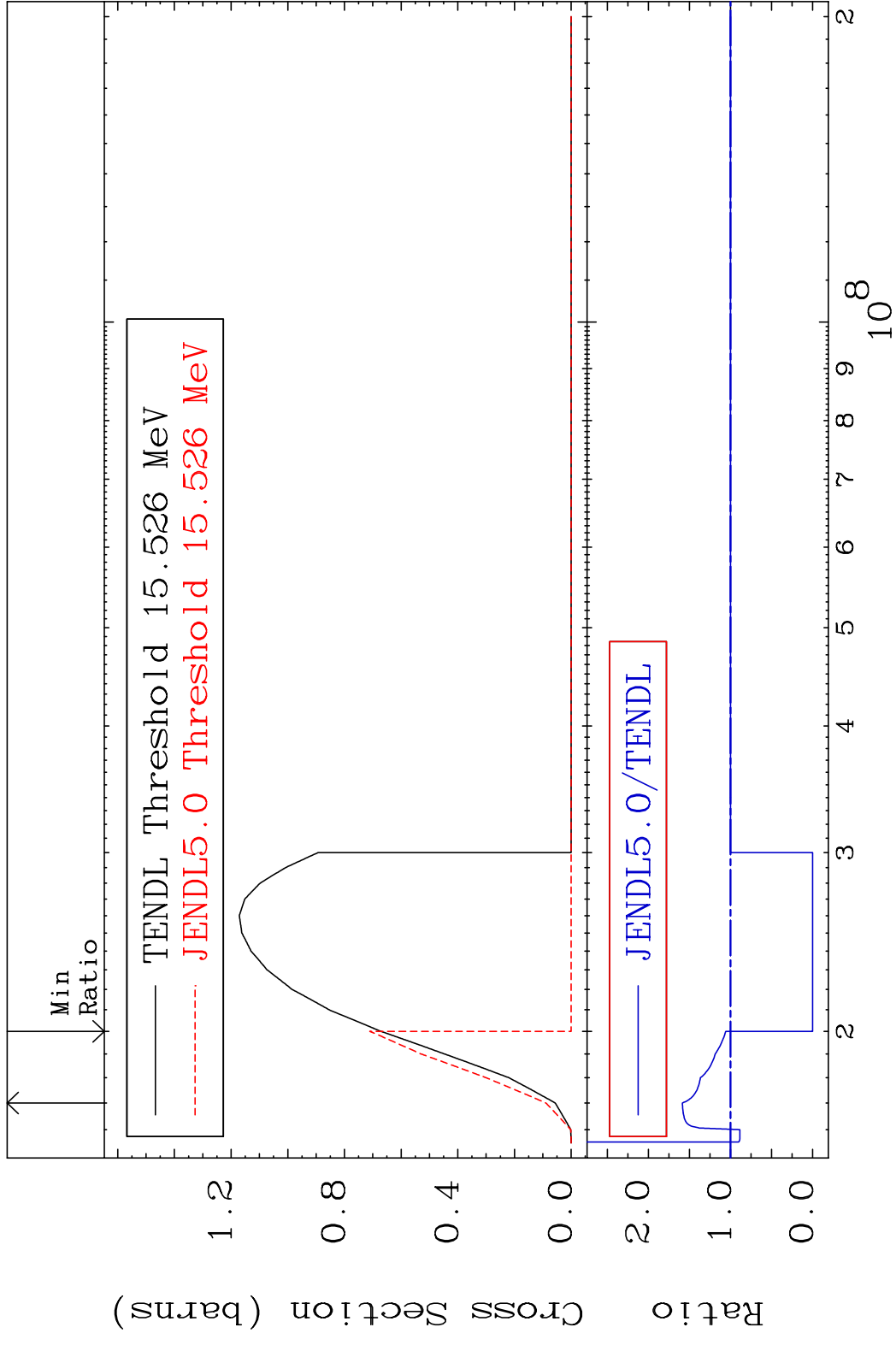
MAT 8034 Dpa disappearance (mt102 -120) 80-Hg-199
 Cross Section -100.0 To 9999. %

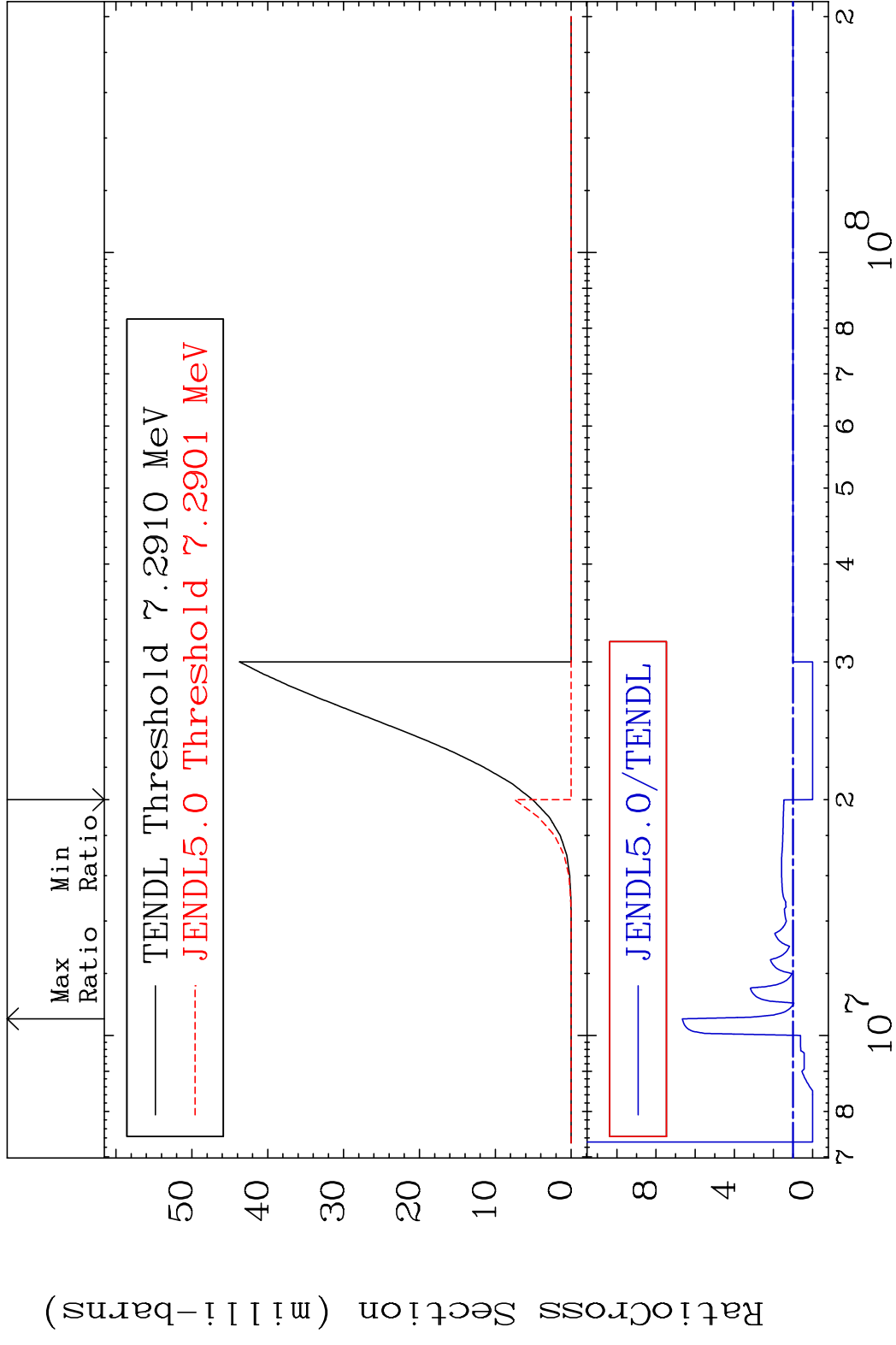


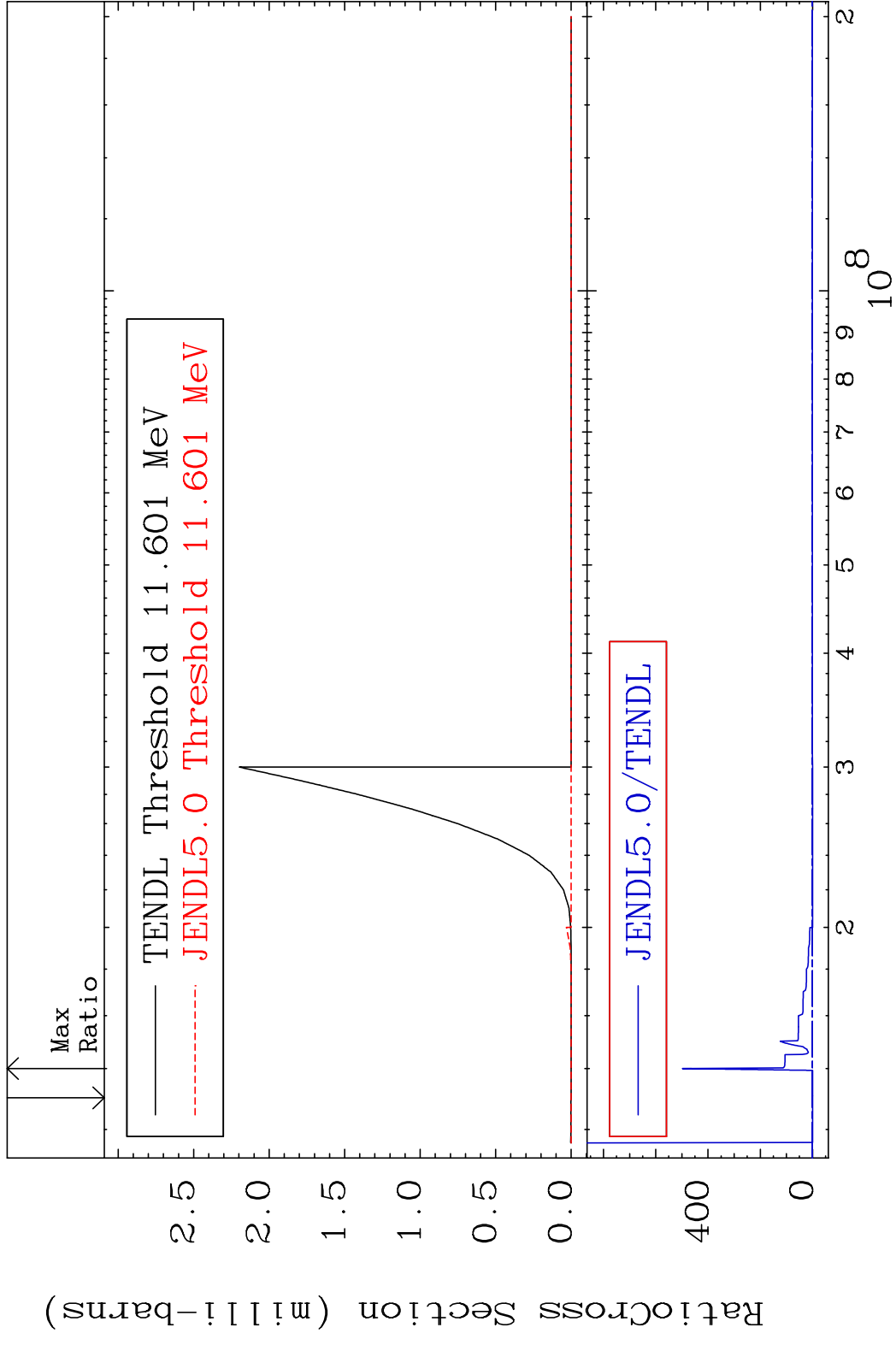


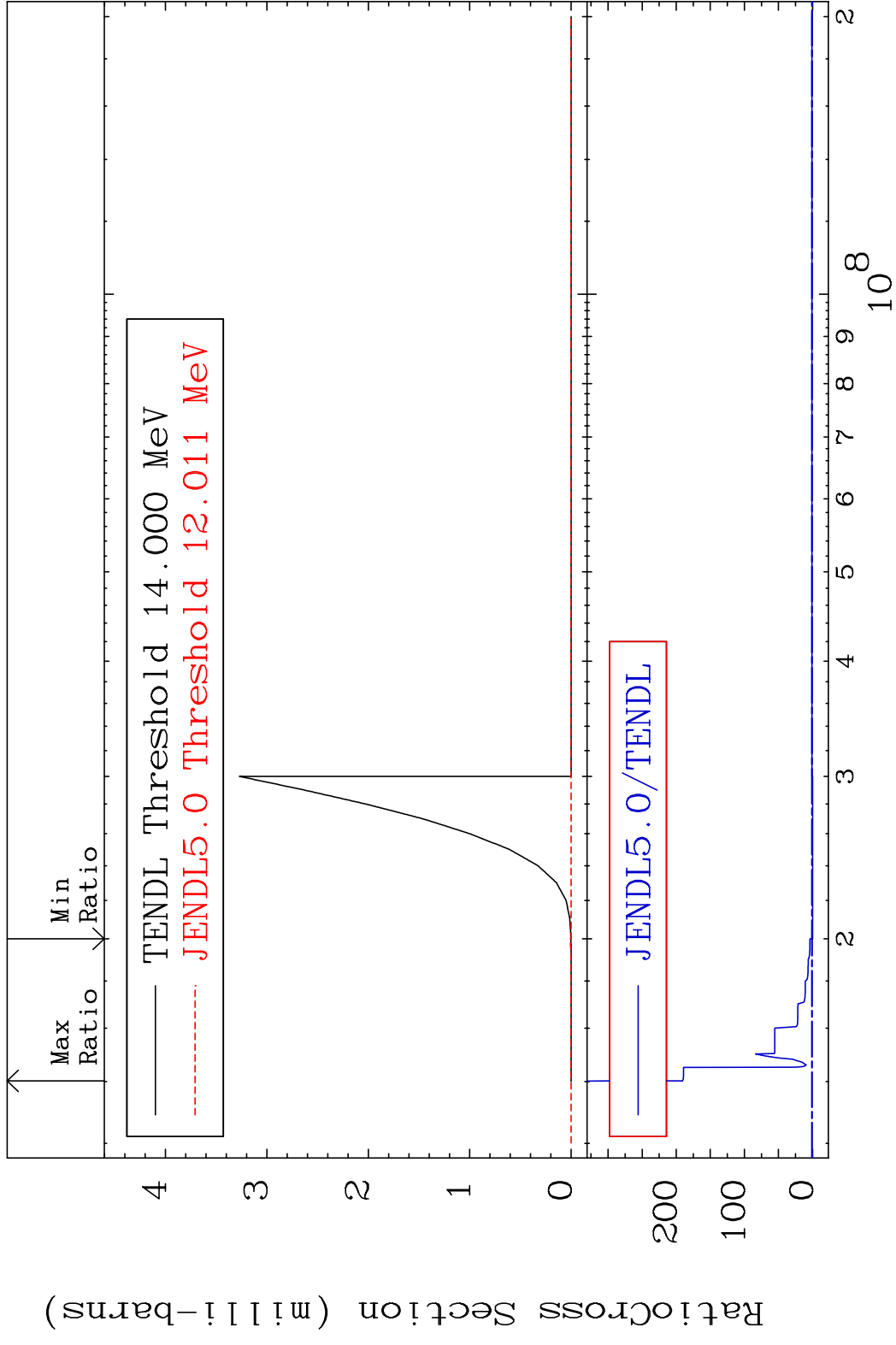
MAT 8034 (n,3n):80-Hg-197g 80-Hg-199
 Radionuclide Production Cross Section 199.7 %

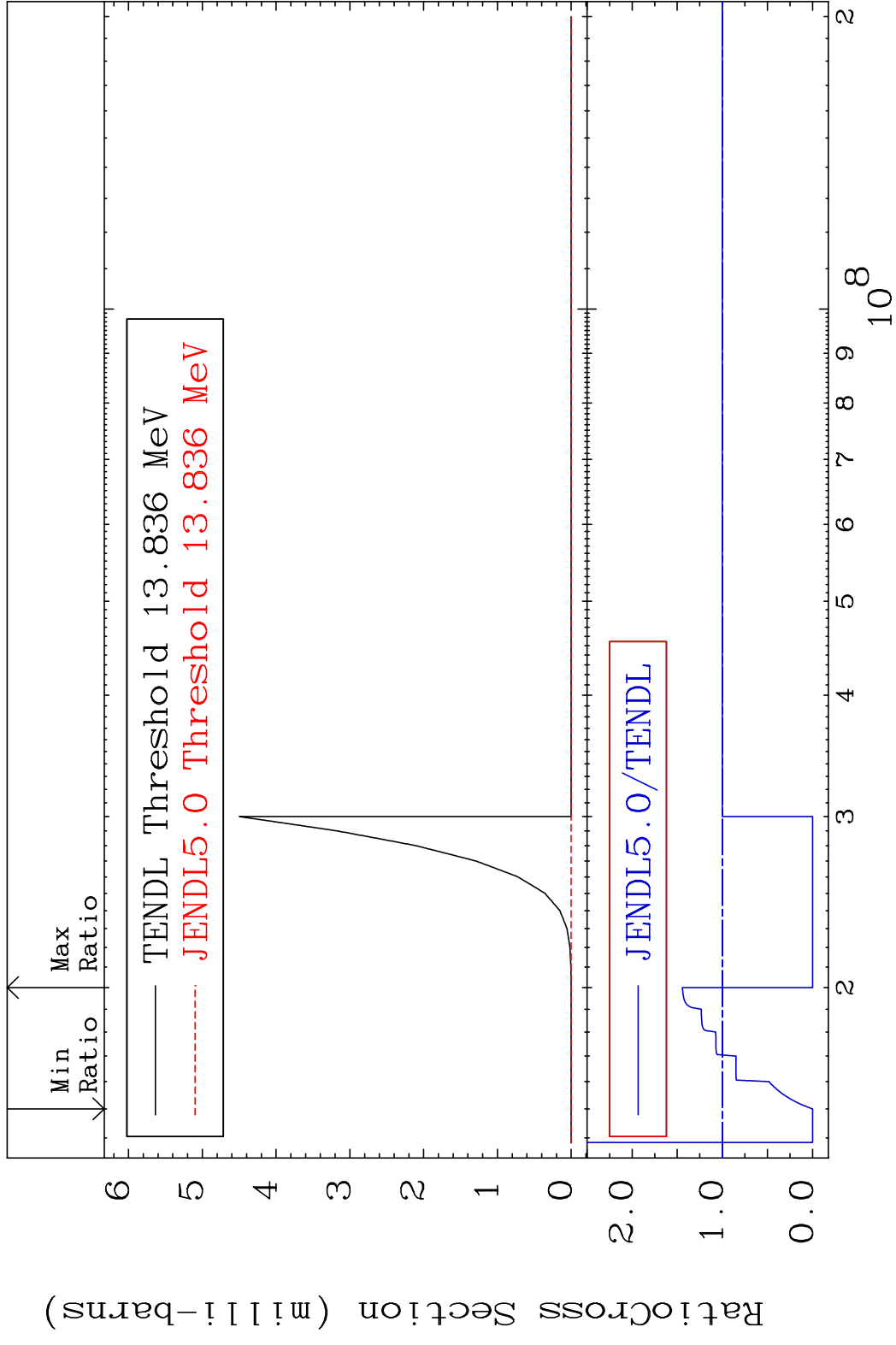


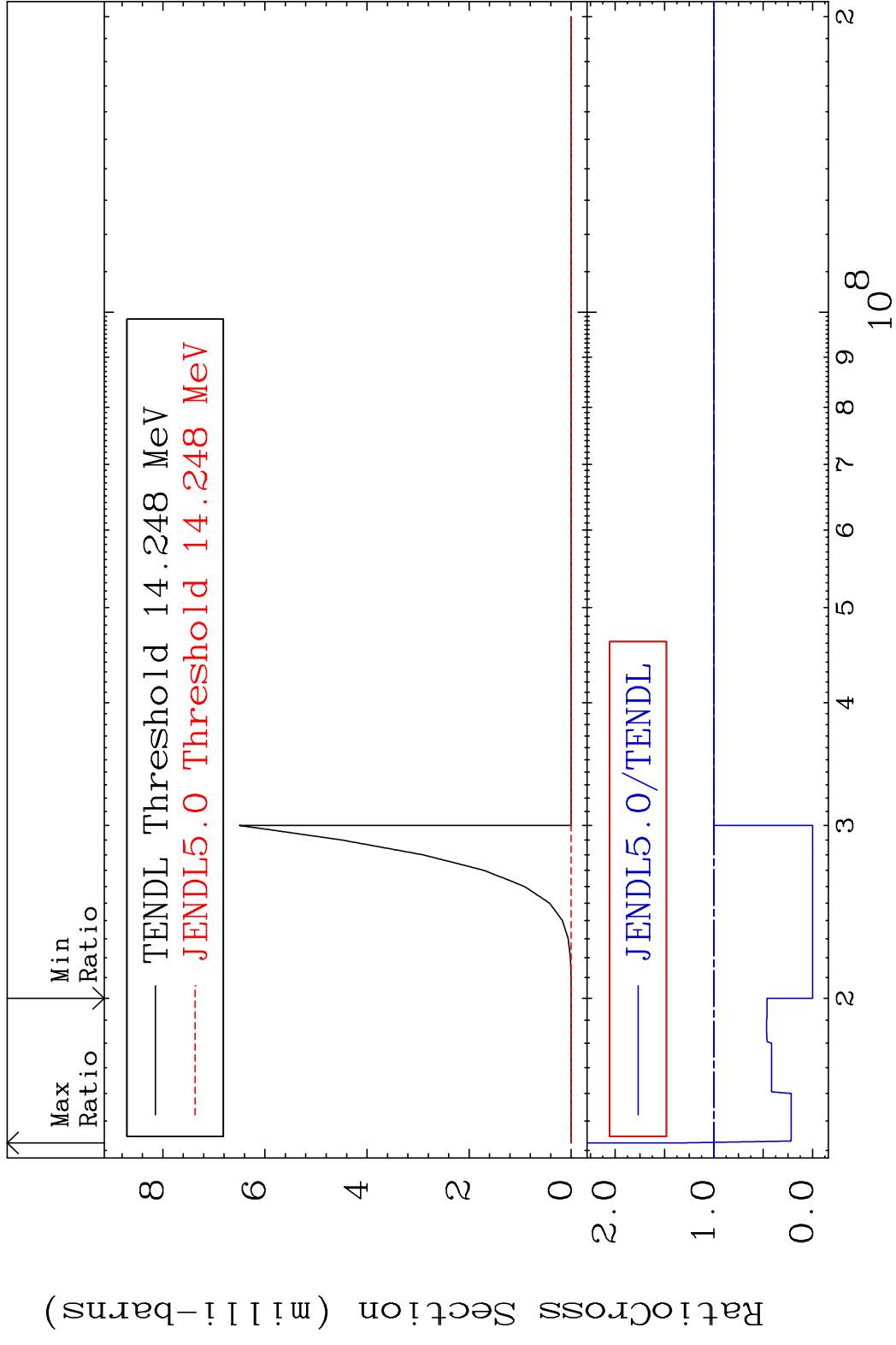


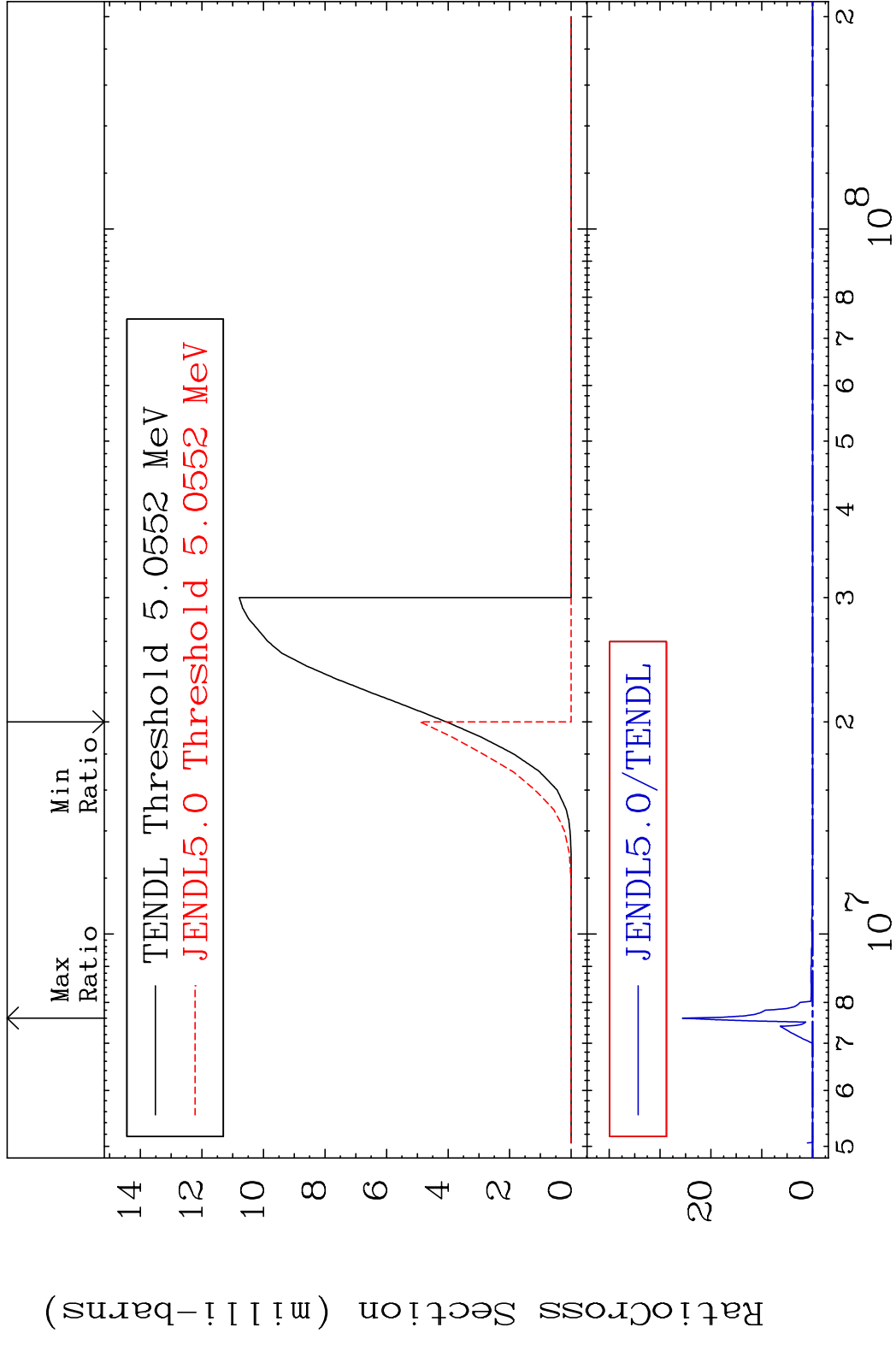




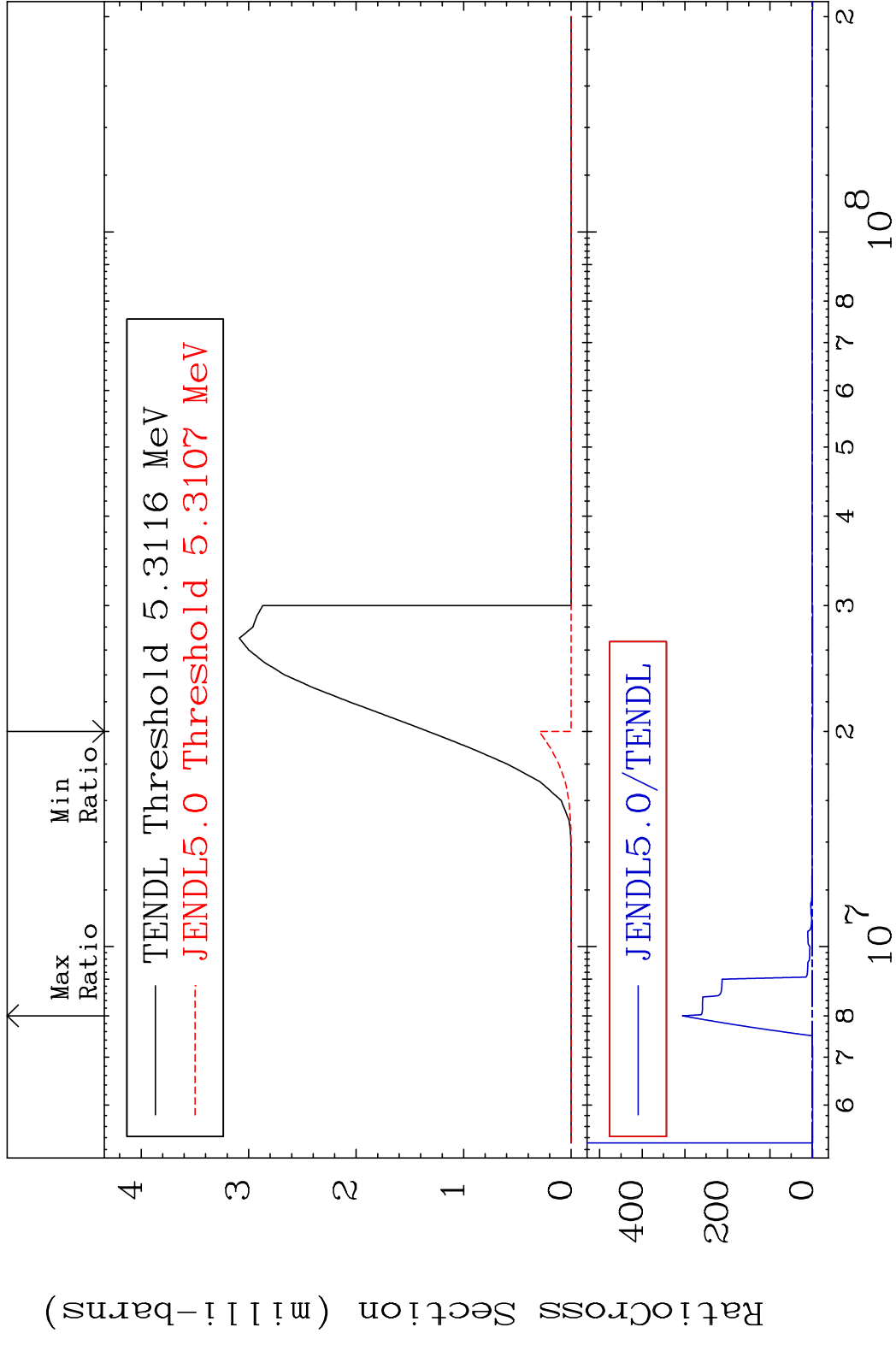








MAT 8034 (n, t): 79-Au-197g 80-Hg-199
 Radionuclide Production Cross Section Ratio



MAT 8034 (n, t):79-Au-197m4 80-Hg-199
 Radionuclide Production Cross Section Ratio 2933. %

