

Program Complot
(Version 2021-1)

by

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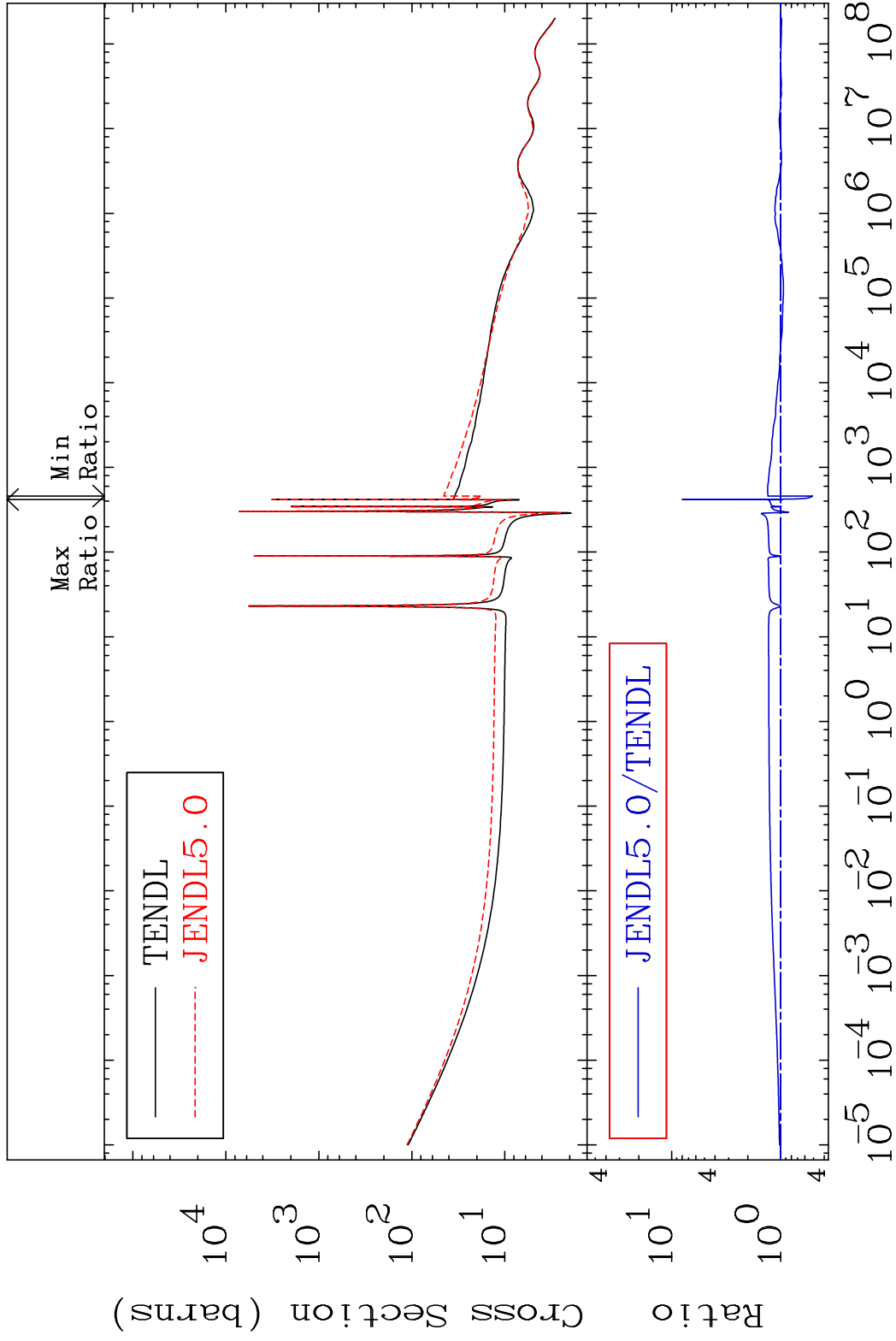
Press Mouse Button to Start

MAT 8031

Total

80-Hg-198

Cross Section -48.93 To 697.0 %



1

Incident Energy (eV)

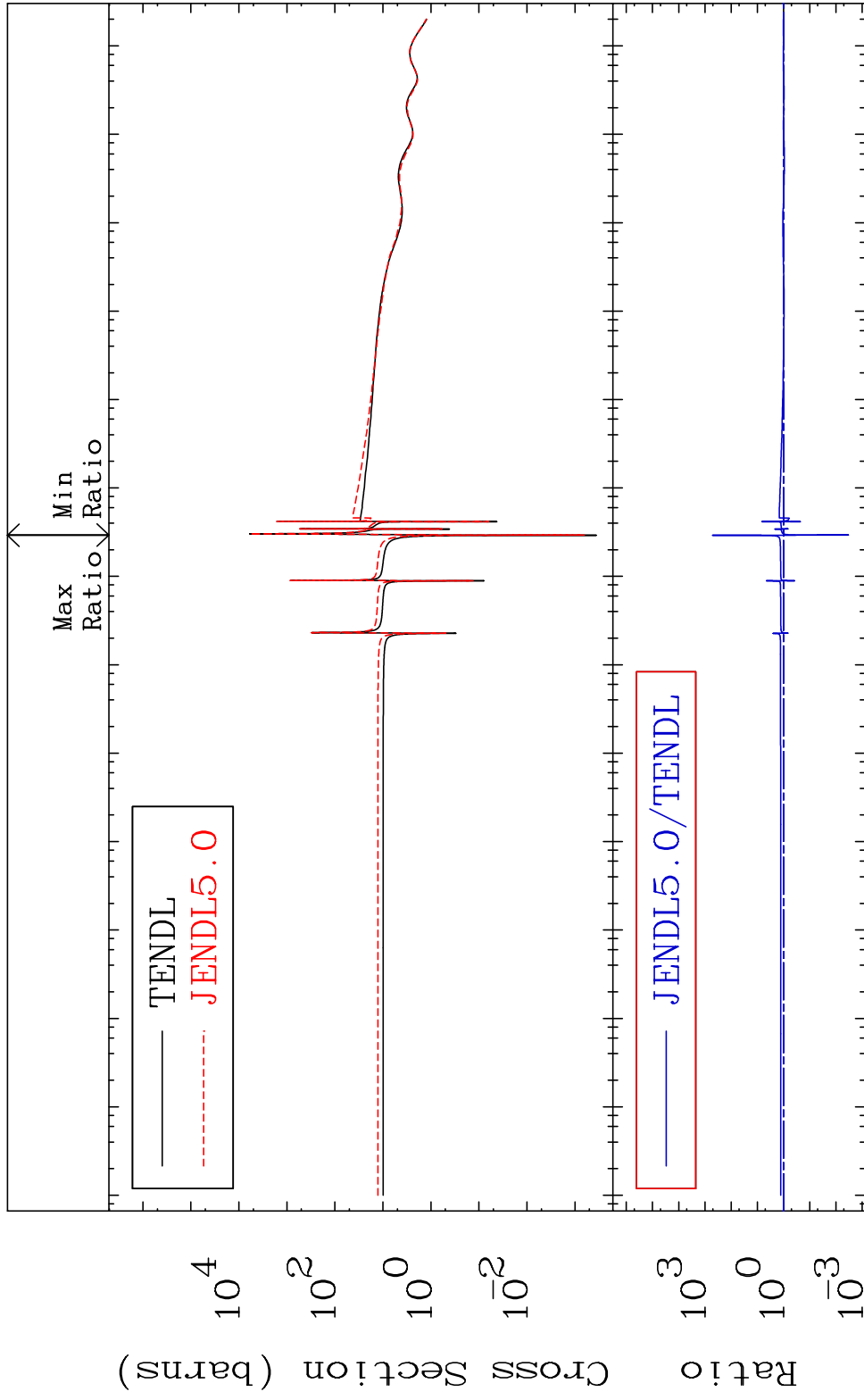
80-Hg-198

MAT 8031

Elastic

80-Hg-198

Cross Section -99.66 To 9999. %

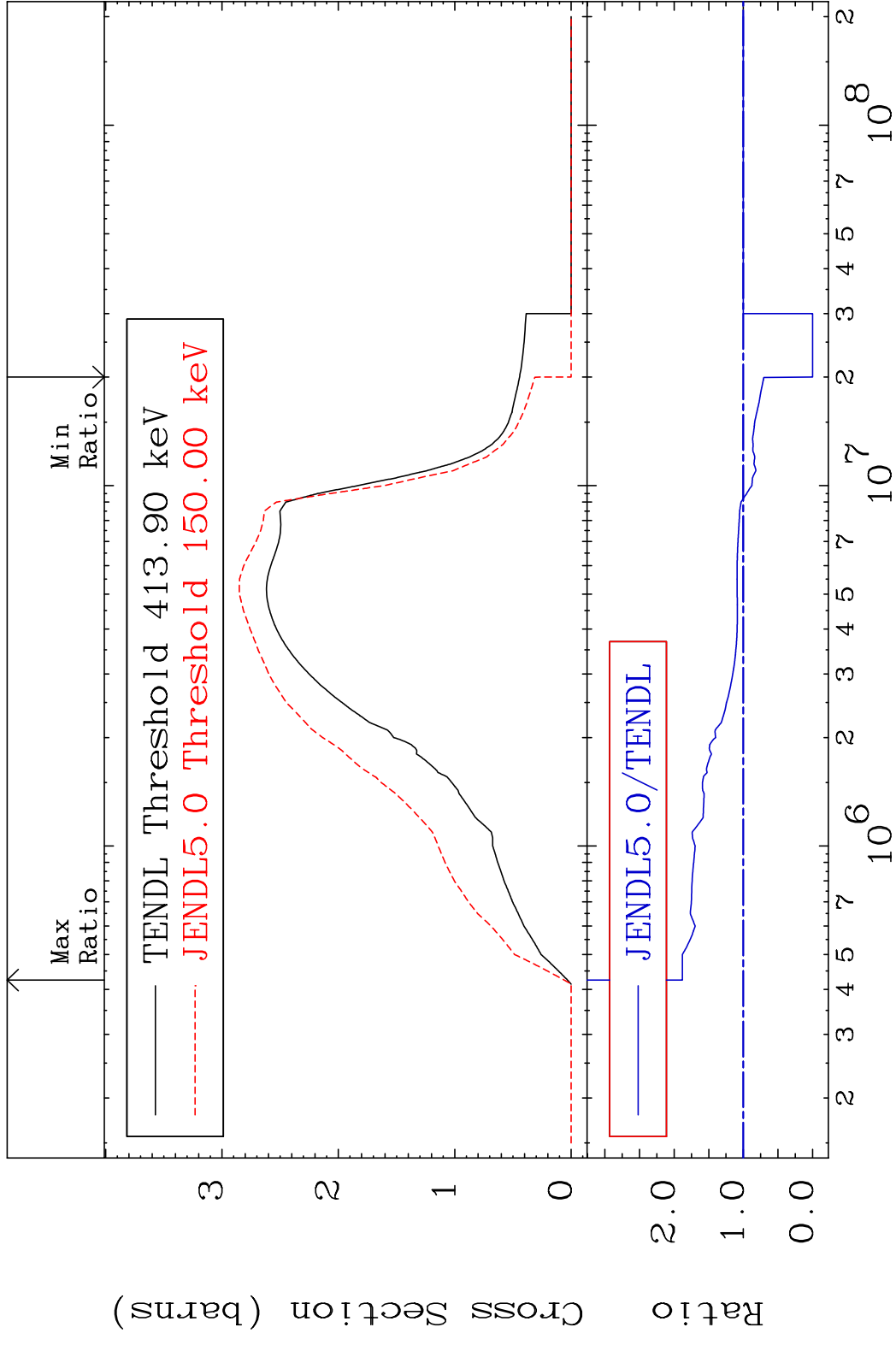


2

Incident Energy (eV)

80-Hg-198

MAT 8031 Inelastic Cross Section -100.0 To 88.11 % 80-Hg-198

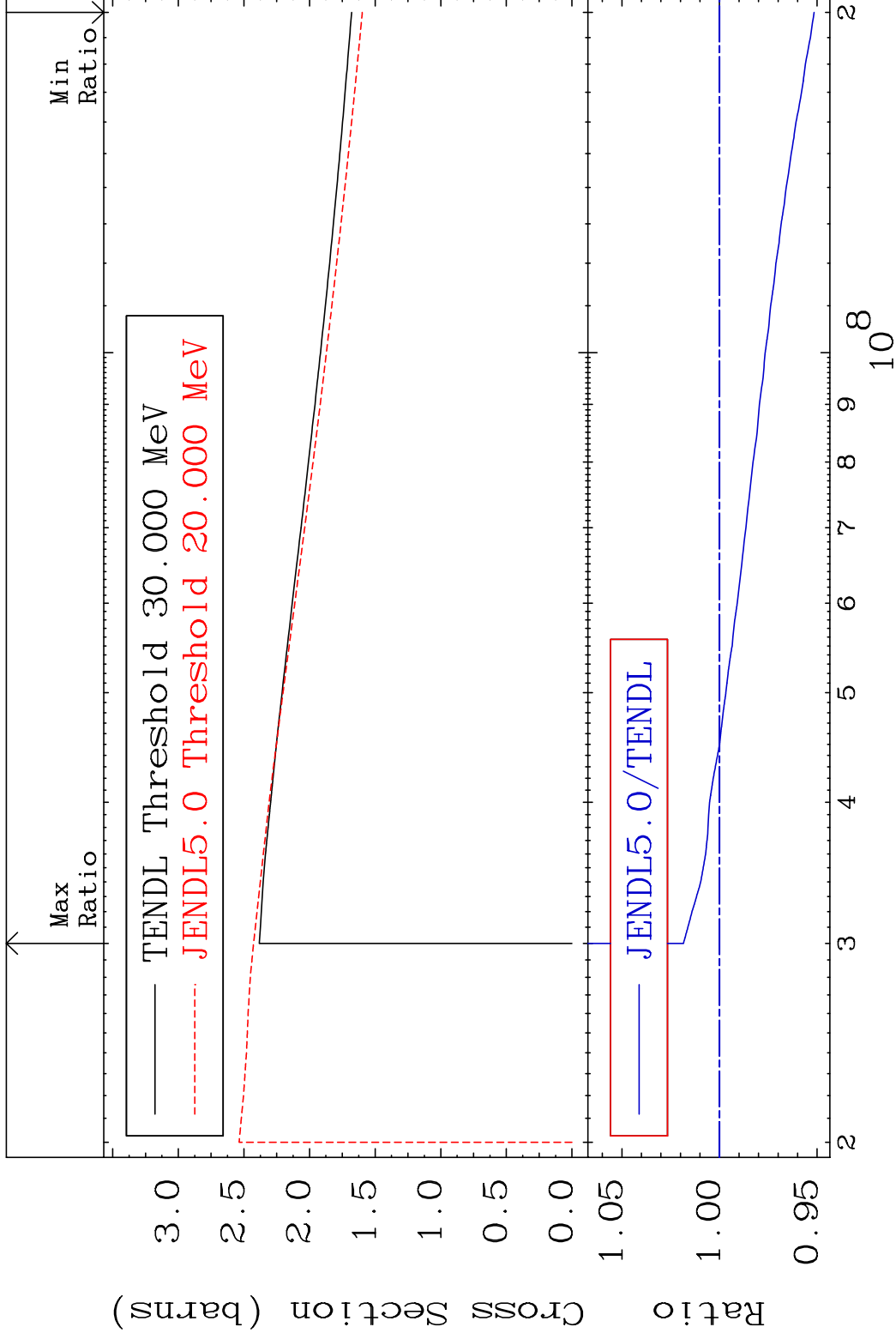


MAT 8031

(n, remainder)

80-Hg-198

Cross Section -4.841 To 1.846 %



4

Incident Energy (eV)

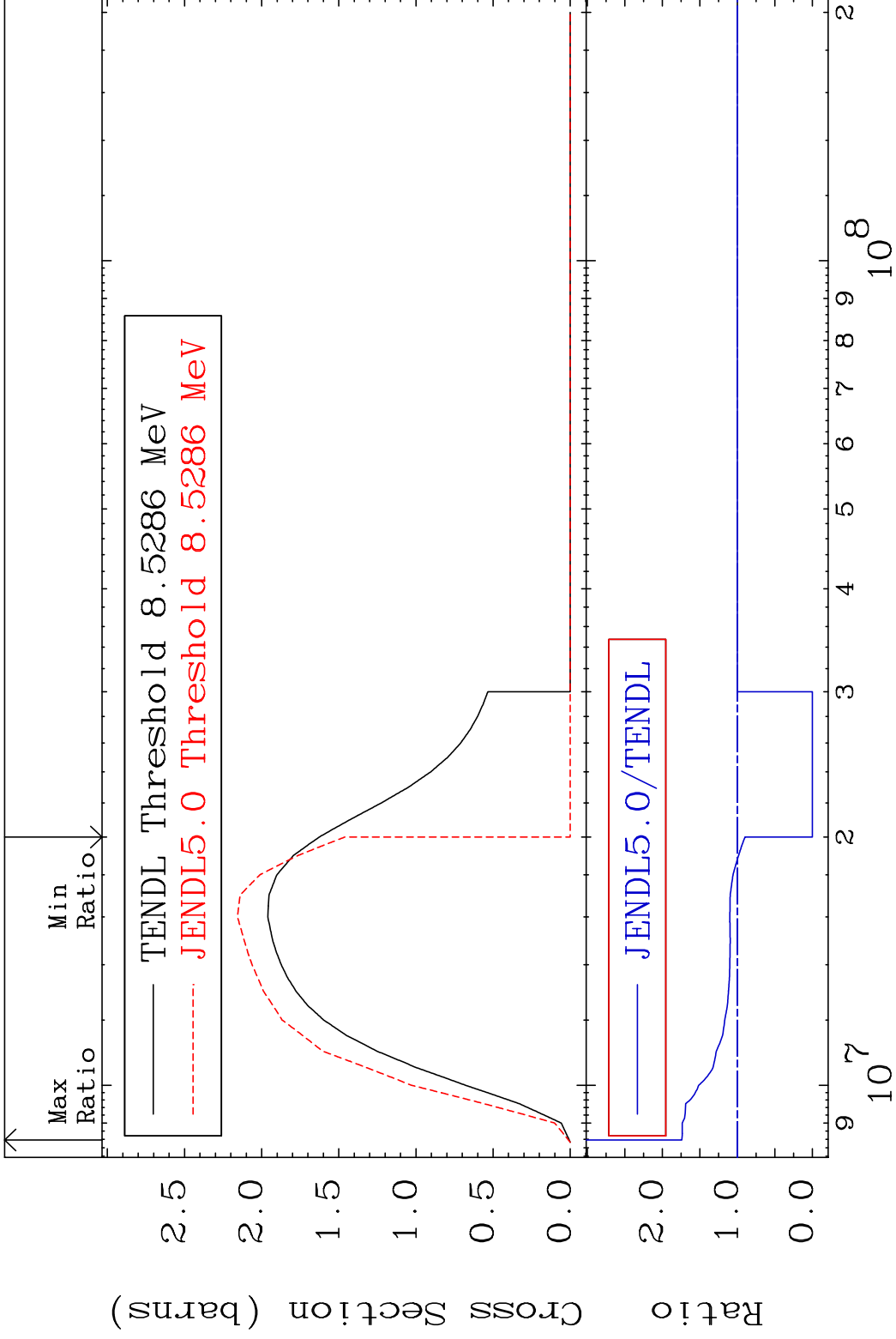
80-Hg-198

MAT 8031

(n,2n)

80-Hg-198

Cross Section -100.0 To 74.19 %

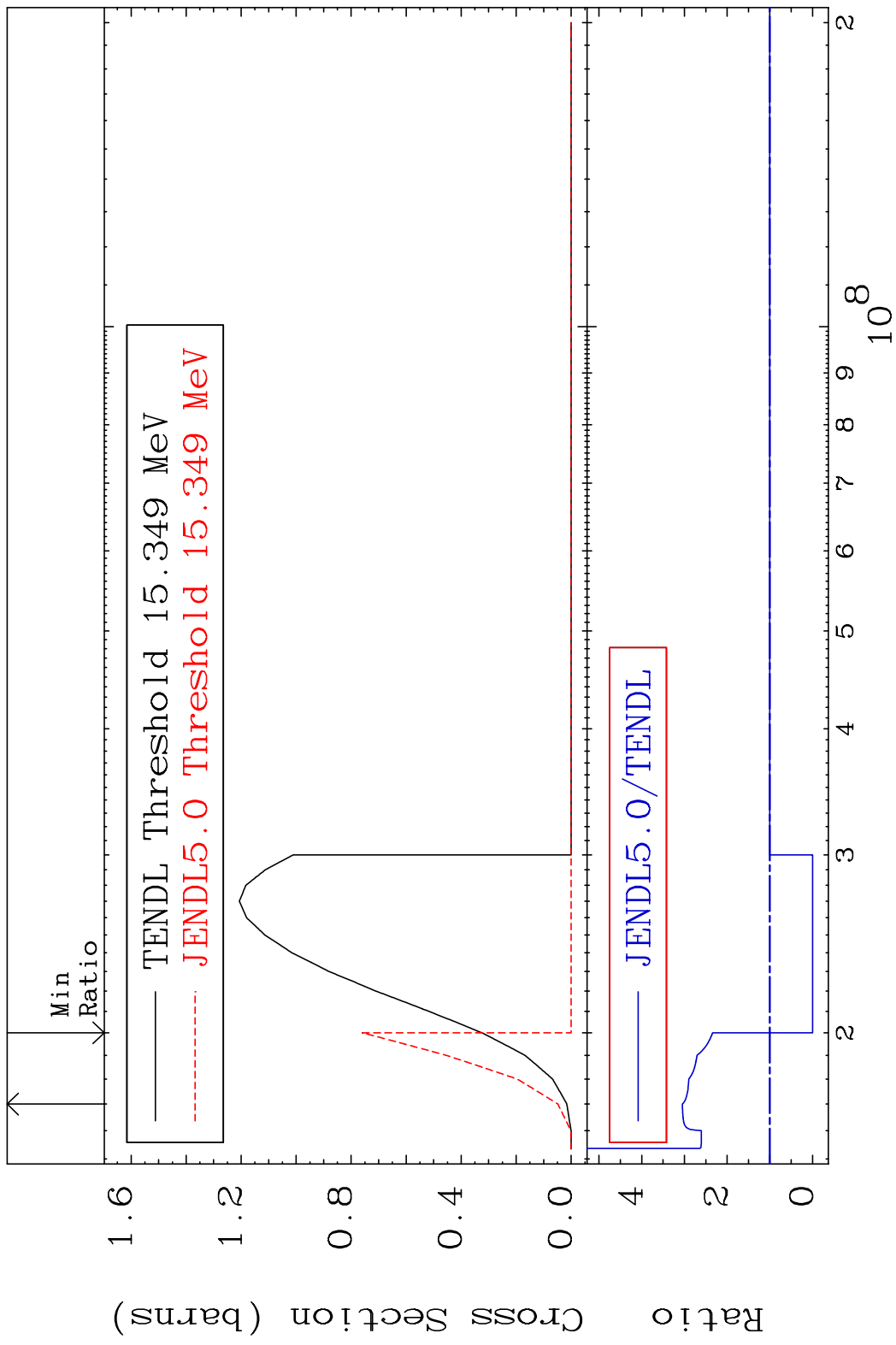


5

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,3n) 80-Hg-198
 Cross Section -100.0 To 204.8 %

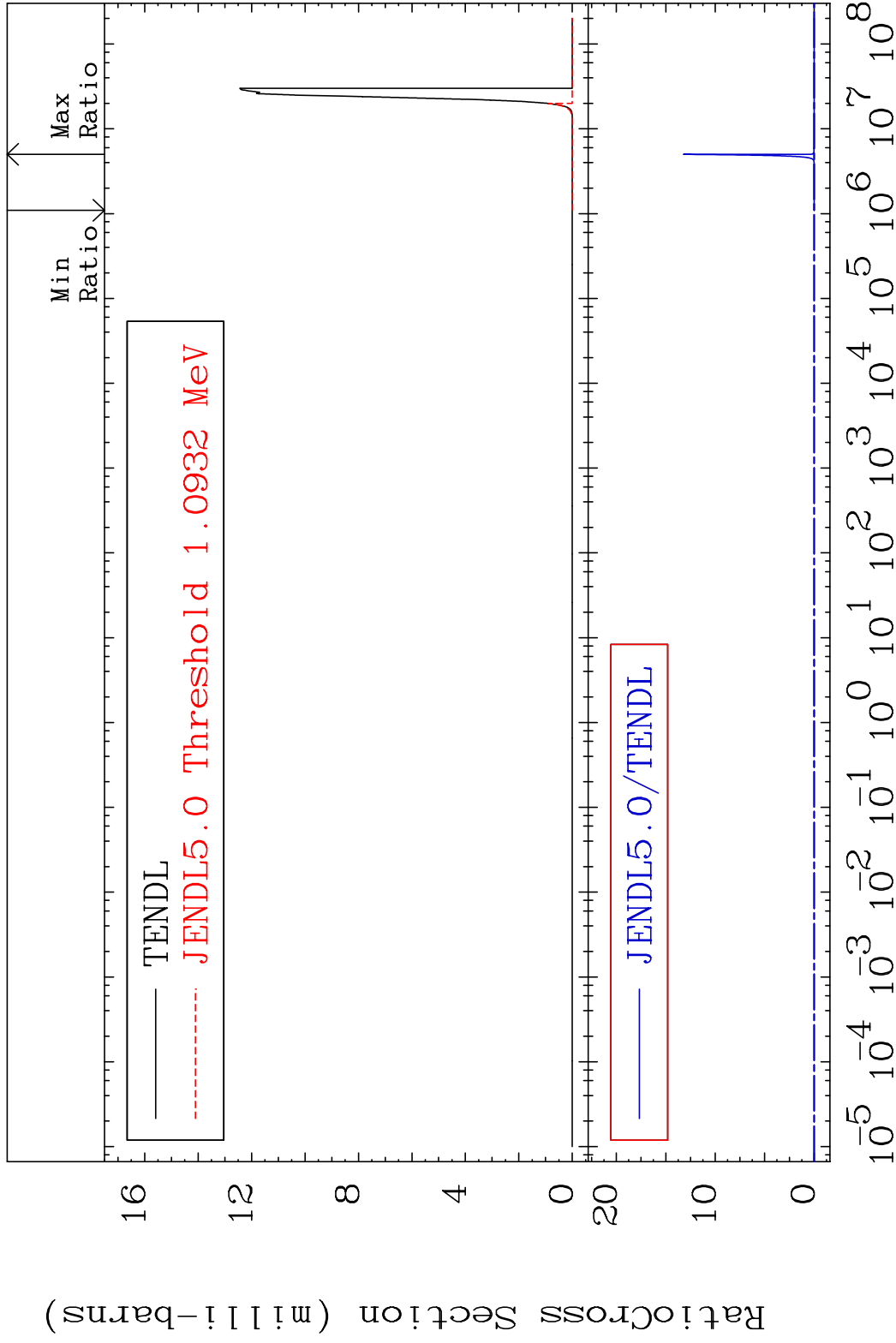


MAT 8031

(n, n') α

80-Hg-198

Cross Section -100.0 To 9999. %

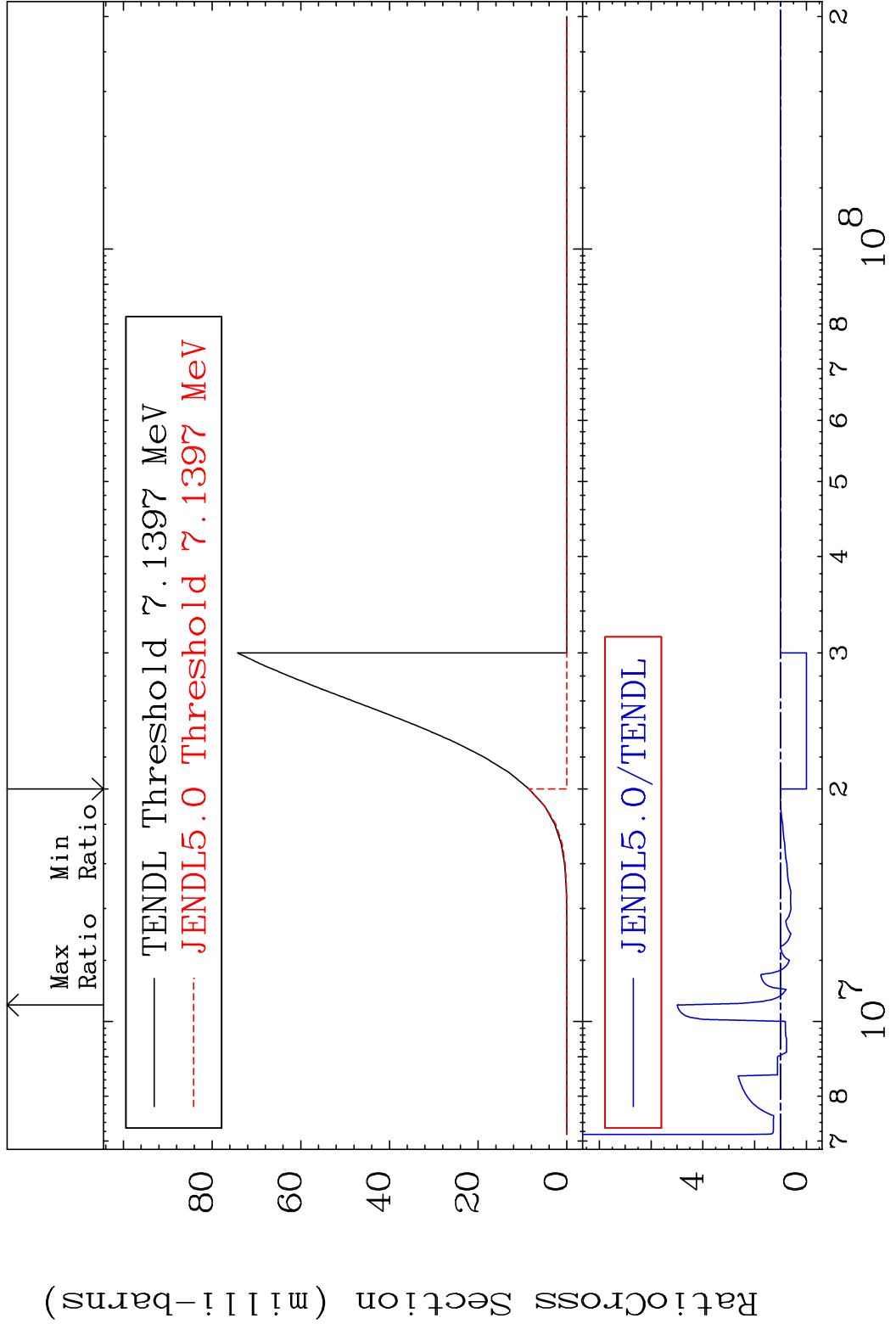


7

Incident Energy (eV)

80-Hg-198

MAT 8031 (n, n') p 80-Hg-198
 Cross Section -100.0 To 399.2 %



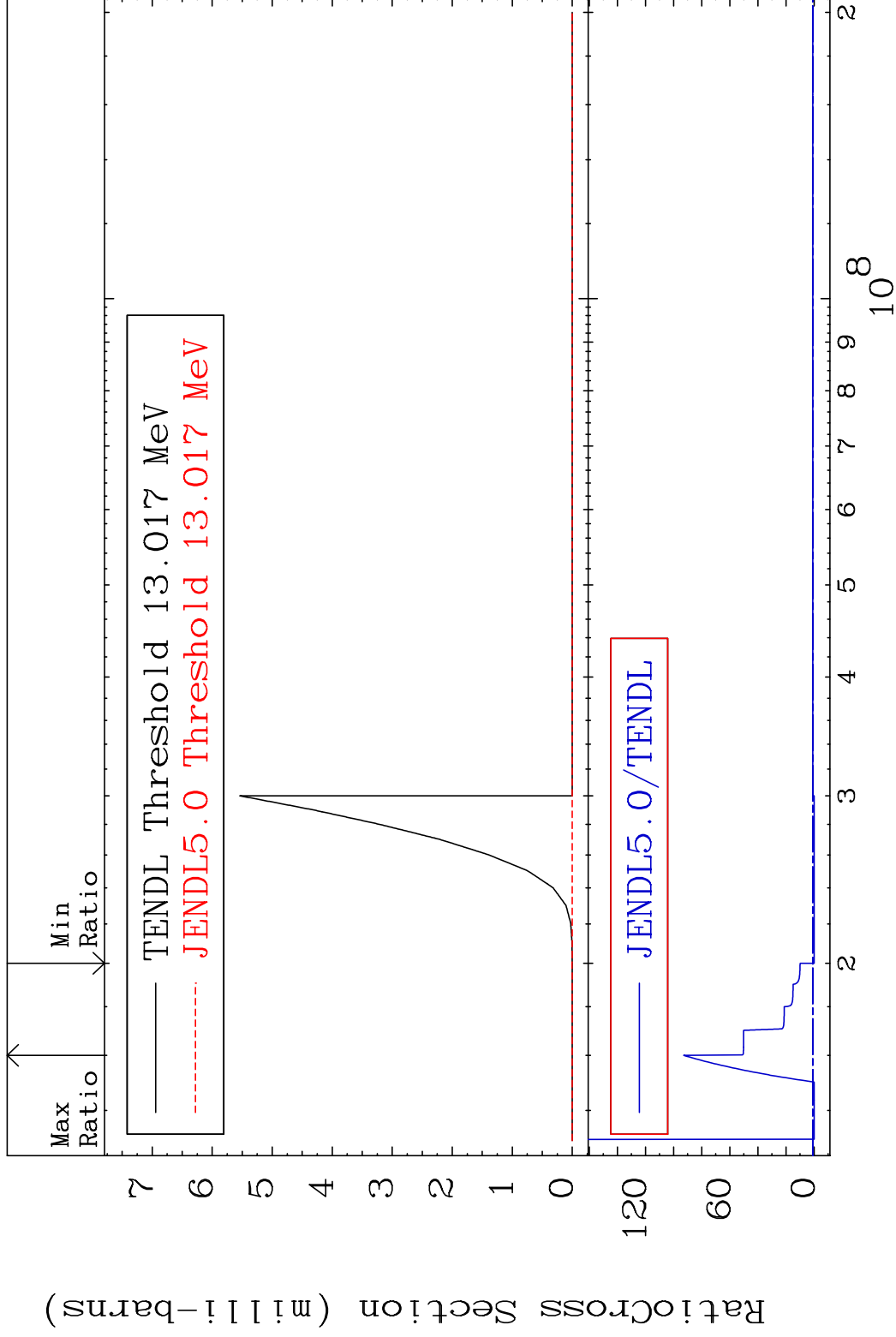
8 Incident Energy (eV) 80-Hg-198

MAT 8031

(n, n') d

80-Hg-198

Cross Section -100.0 To 9186. %



9

Incident Energy (eV)

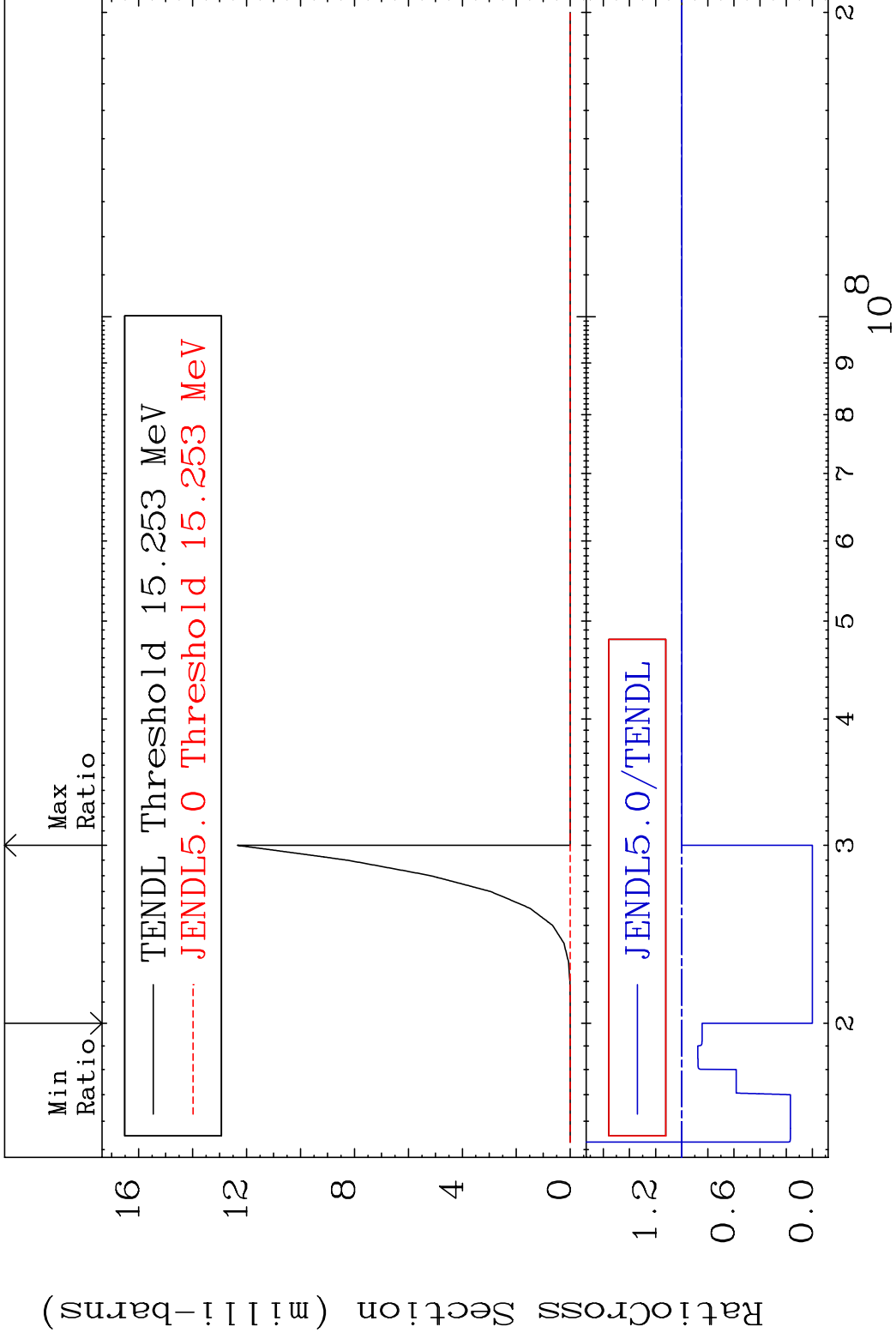
80-Hg-198

MAT 8031

(n,2n) p

80-Hg-198

Cross Section -100.0 To 0.000 %

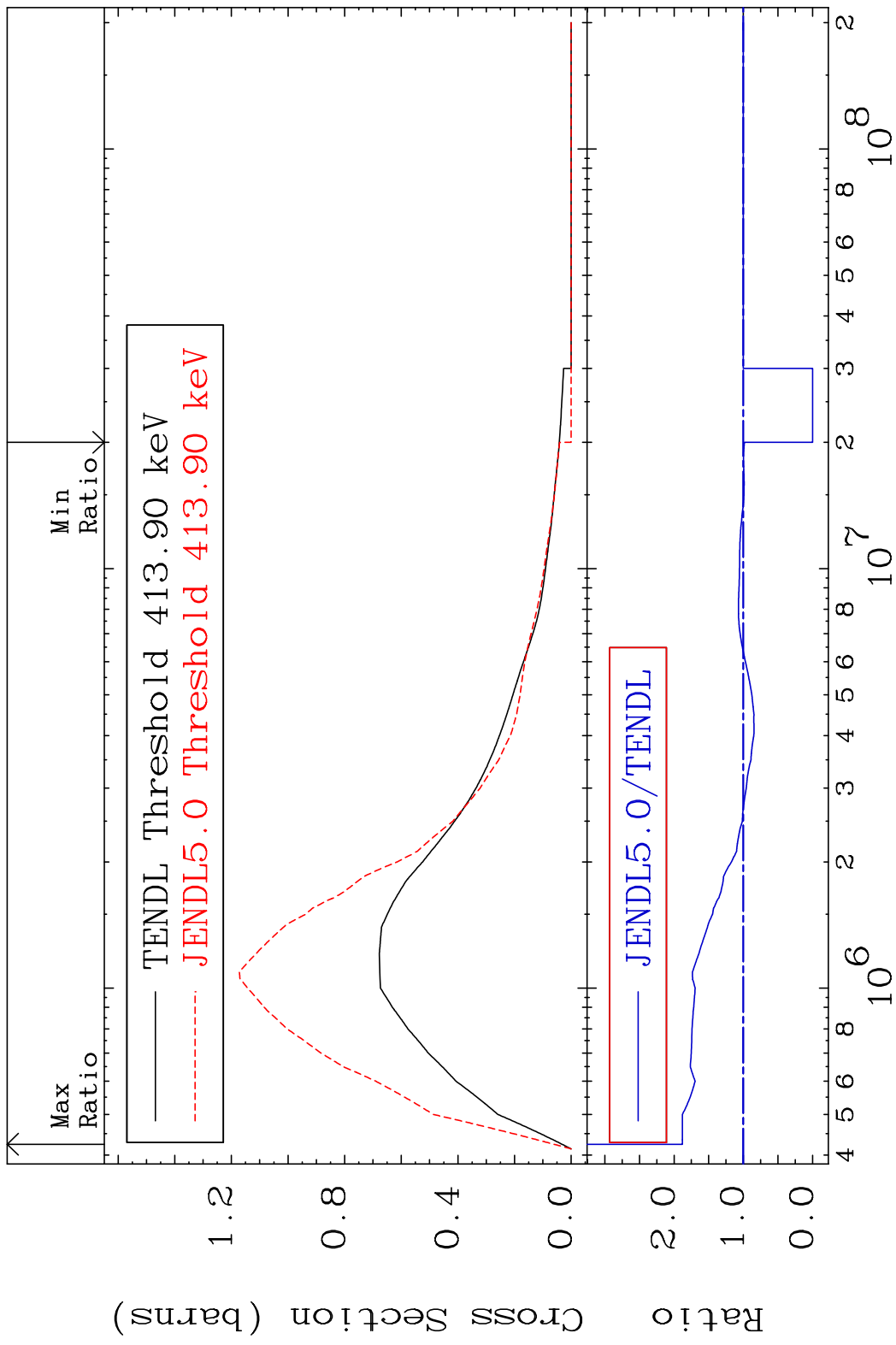


10

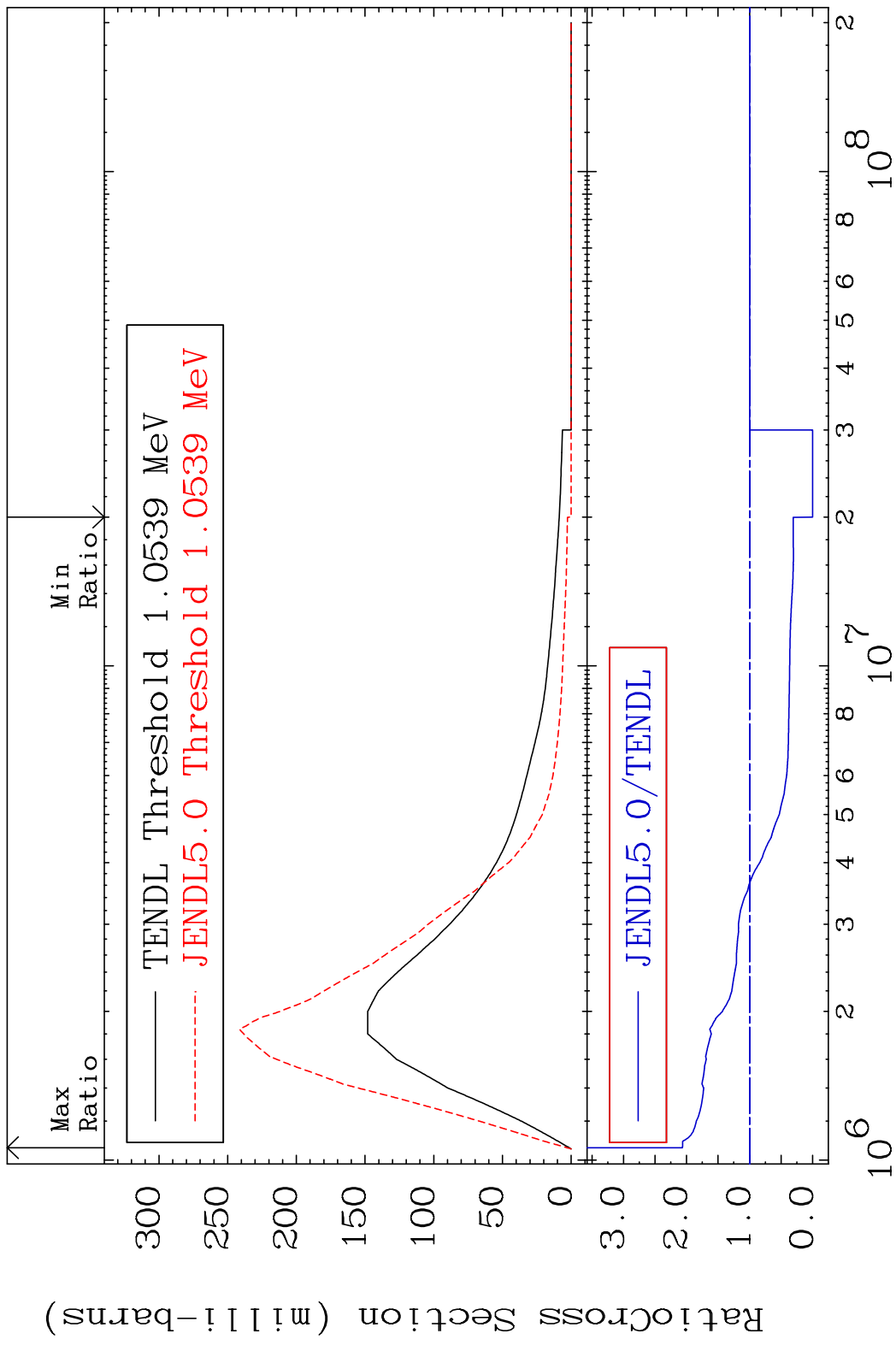
Incident Energy (eV)

80-Hg-198

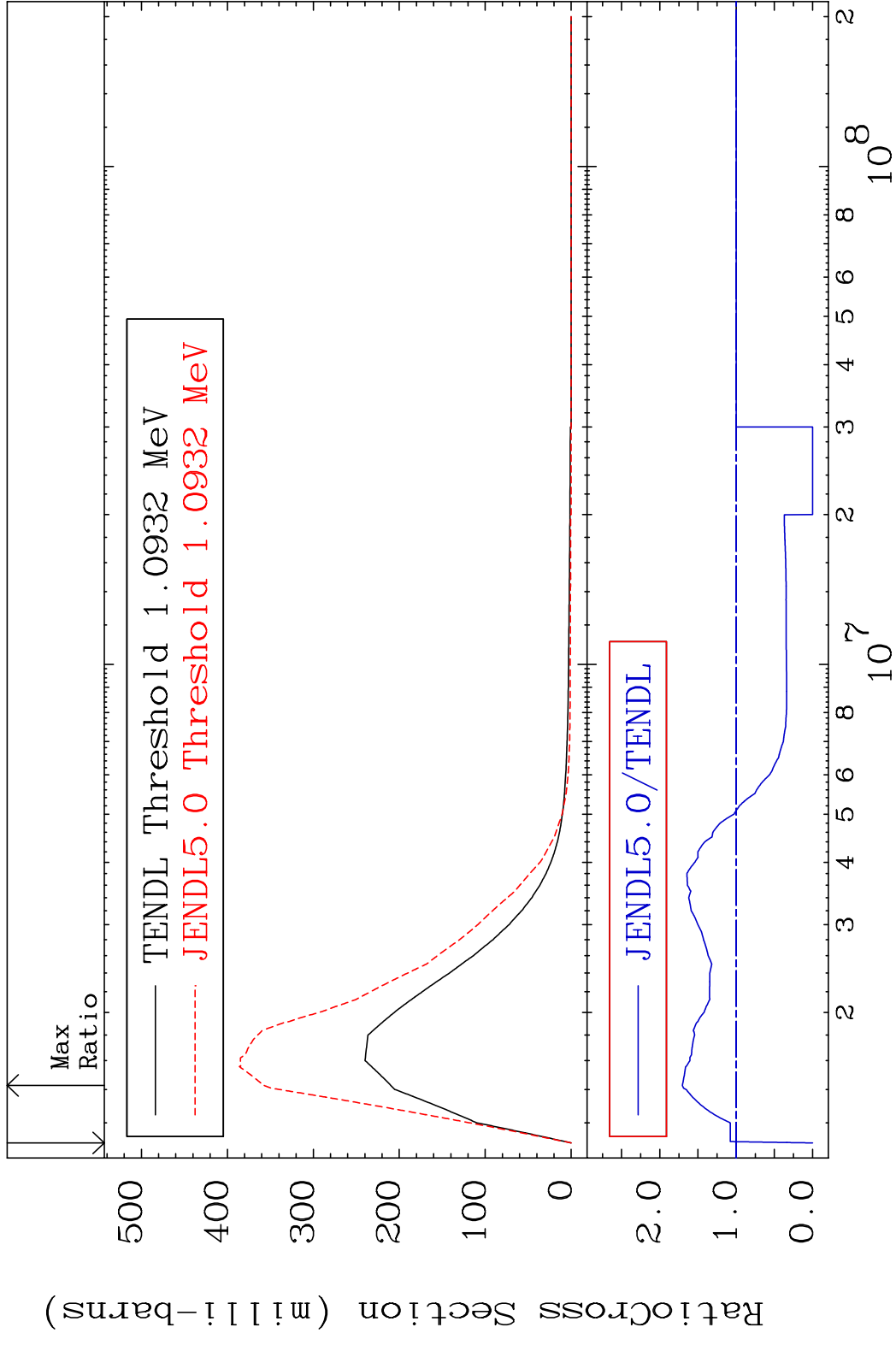
MAT 8031 MT= 51 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 88.05 %



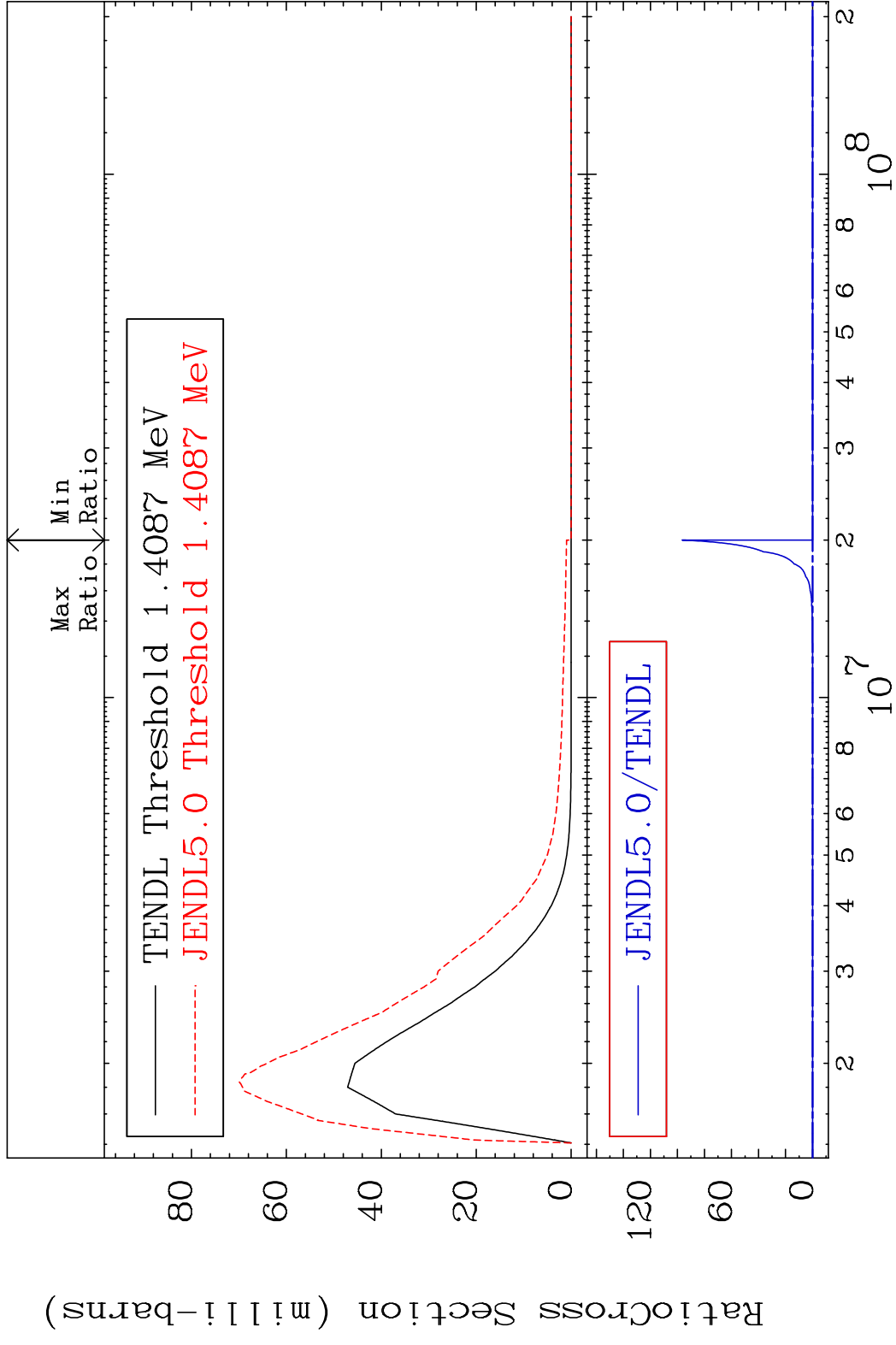
MAT 8031 MT= 52 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 106.7 %



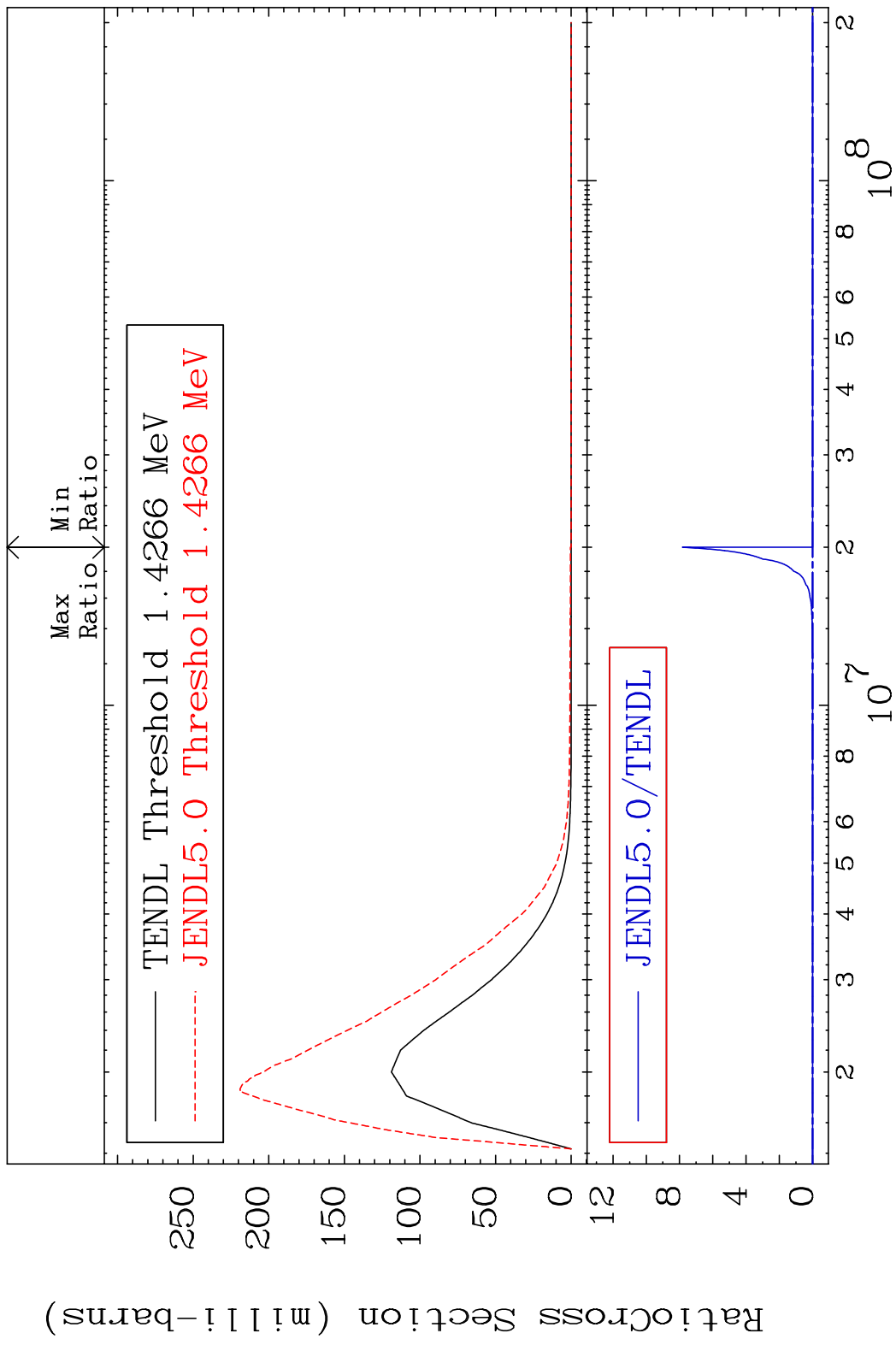
MAT 8031 MT= 53 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 70.46 %



MAT 8031 MT= 54 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

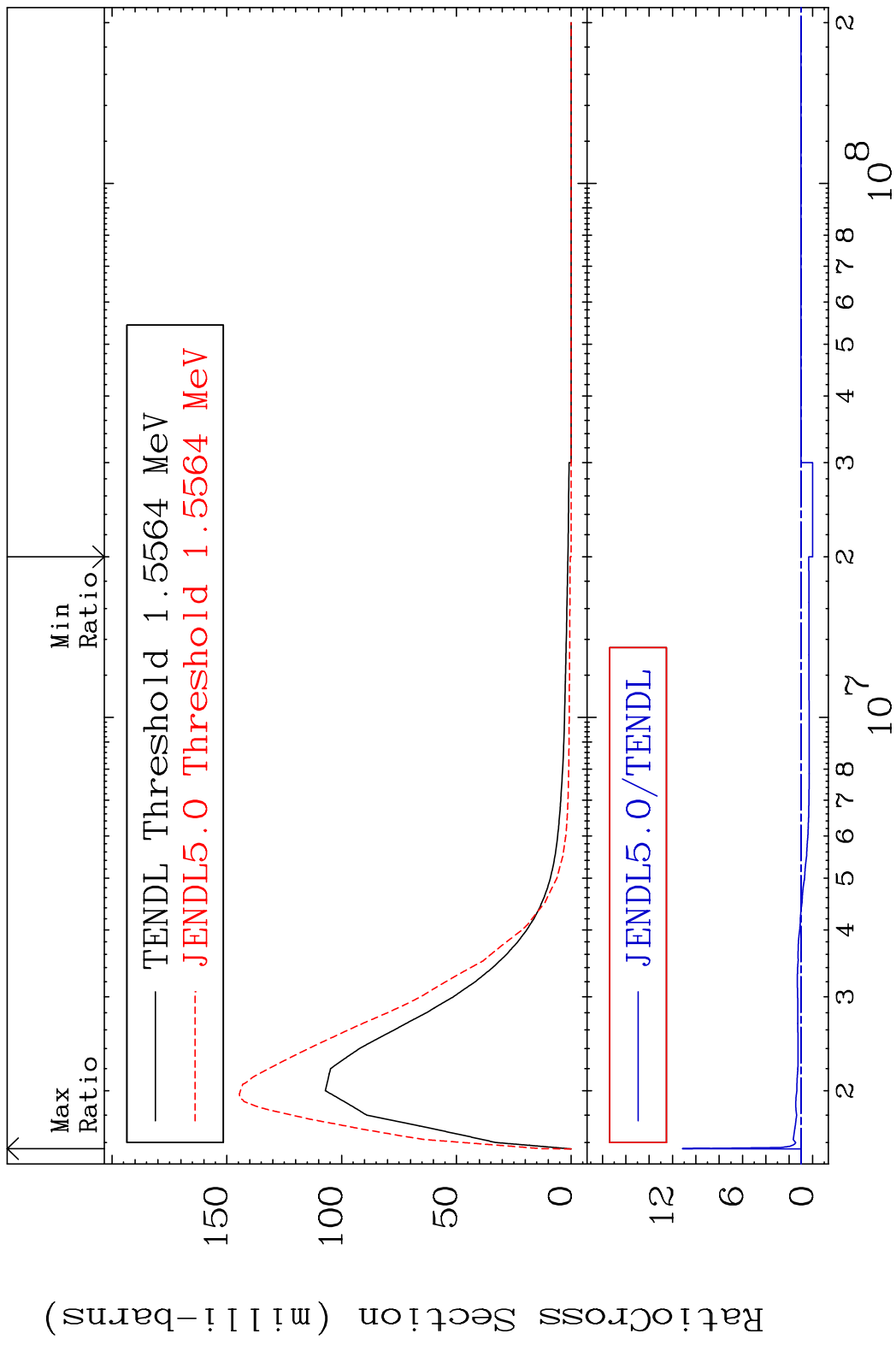


MAT 8031 MT= 55 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



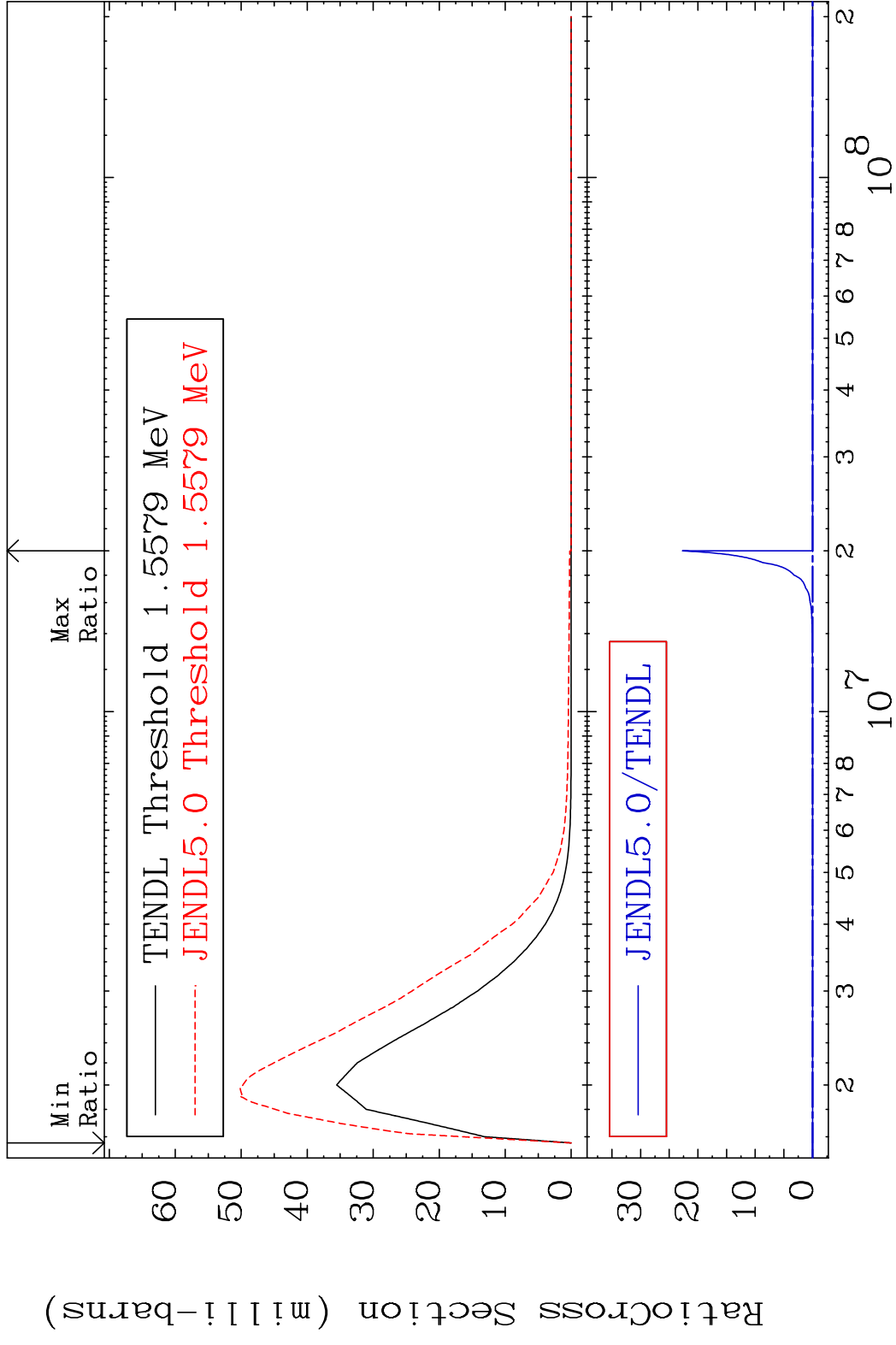
15 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 56 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 1016. %

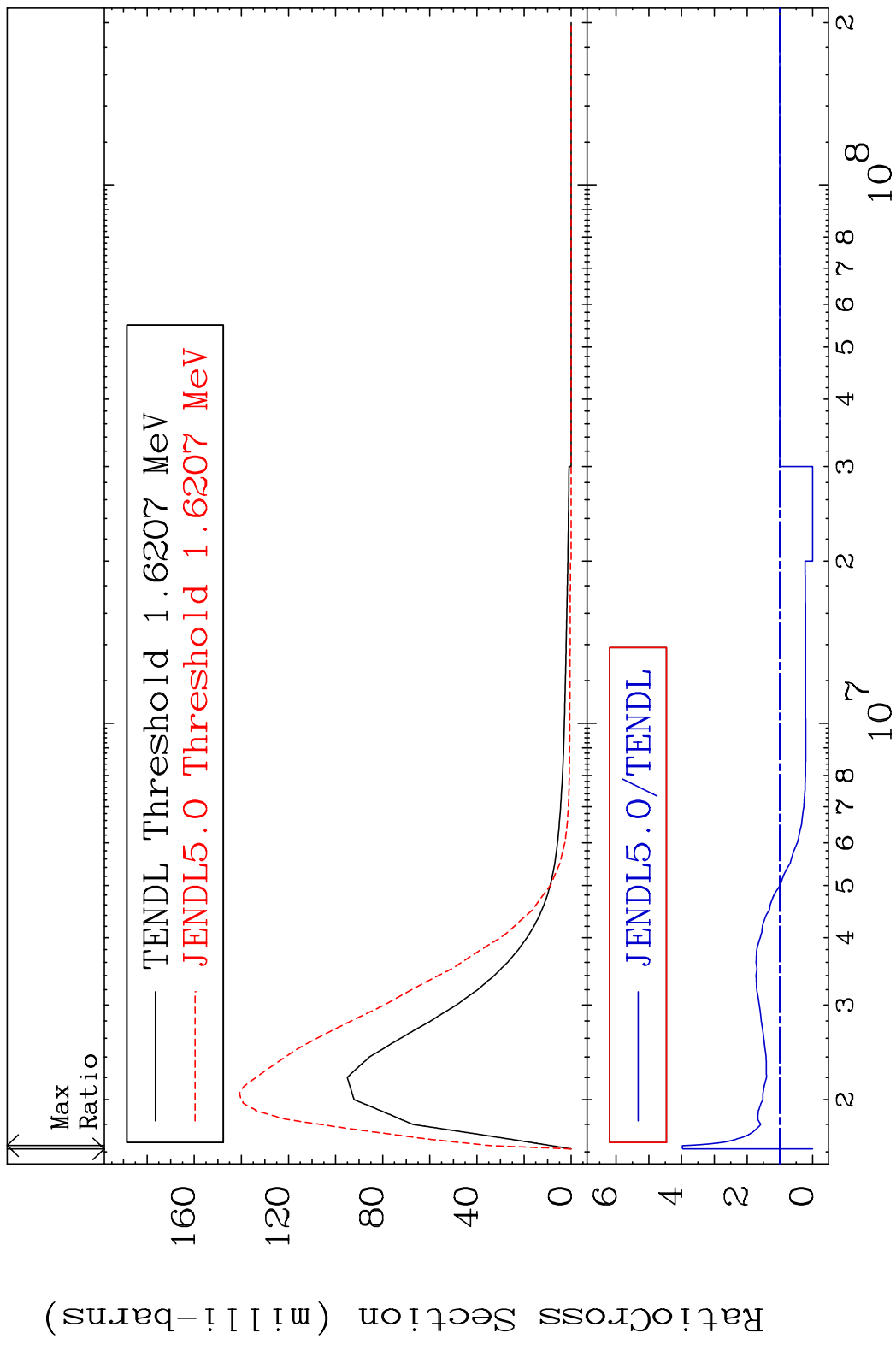


16 16 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 57 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

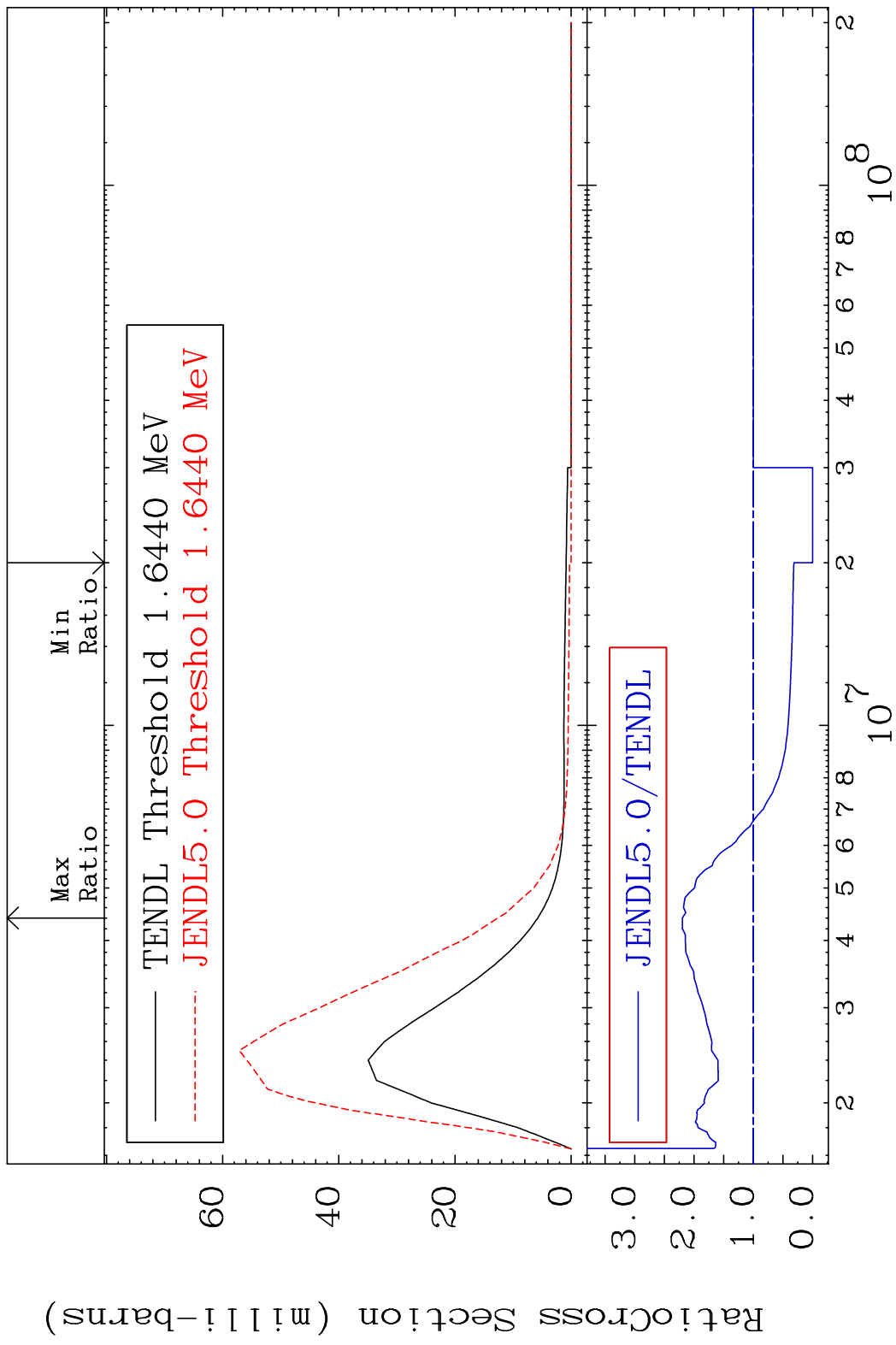


MAT 8031 MT= 58 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 297.6 %

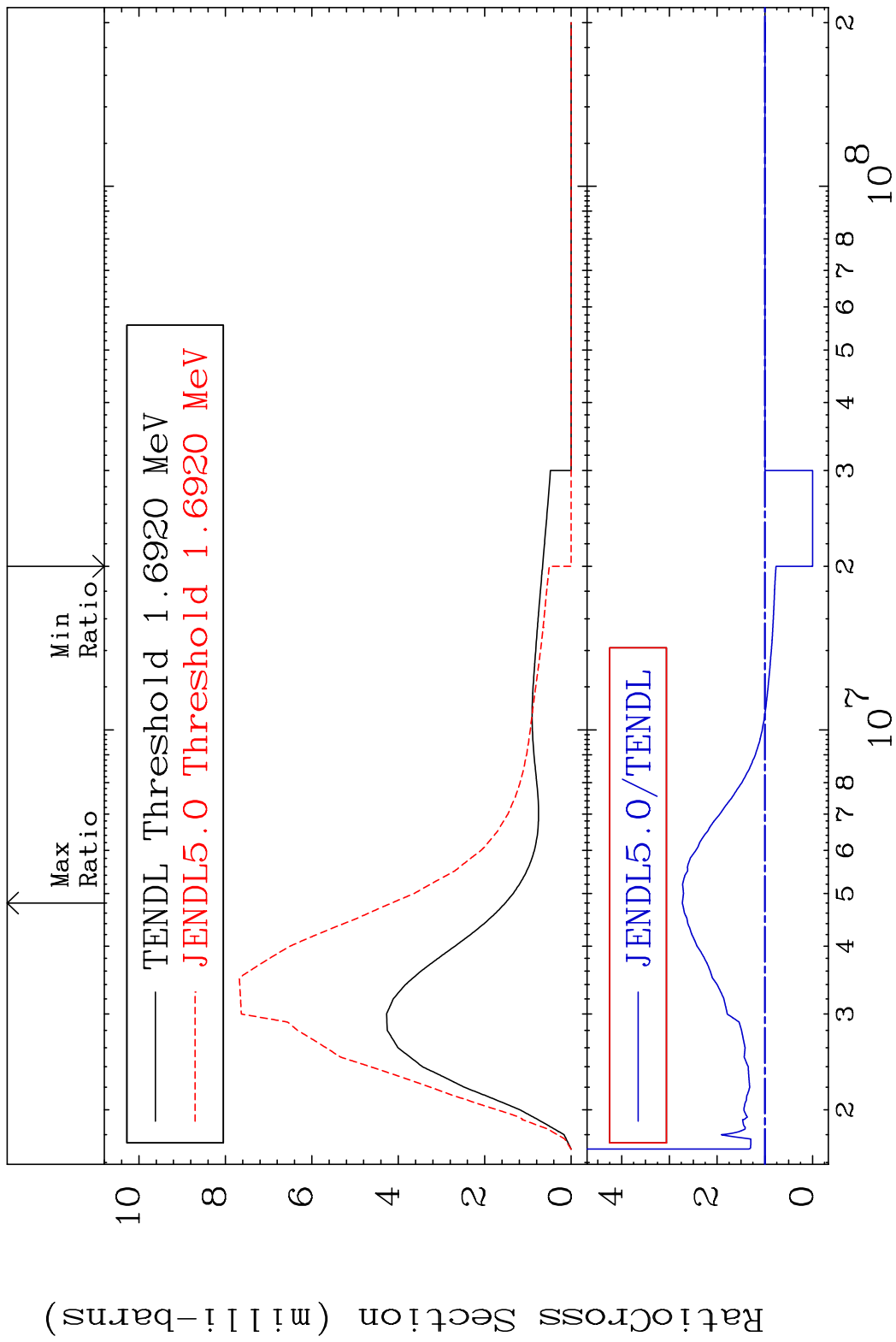


18 80-Hg-198

MAT 8031 MT= 59 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 119.7 %

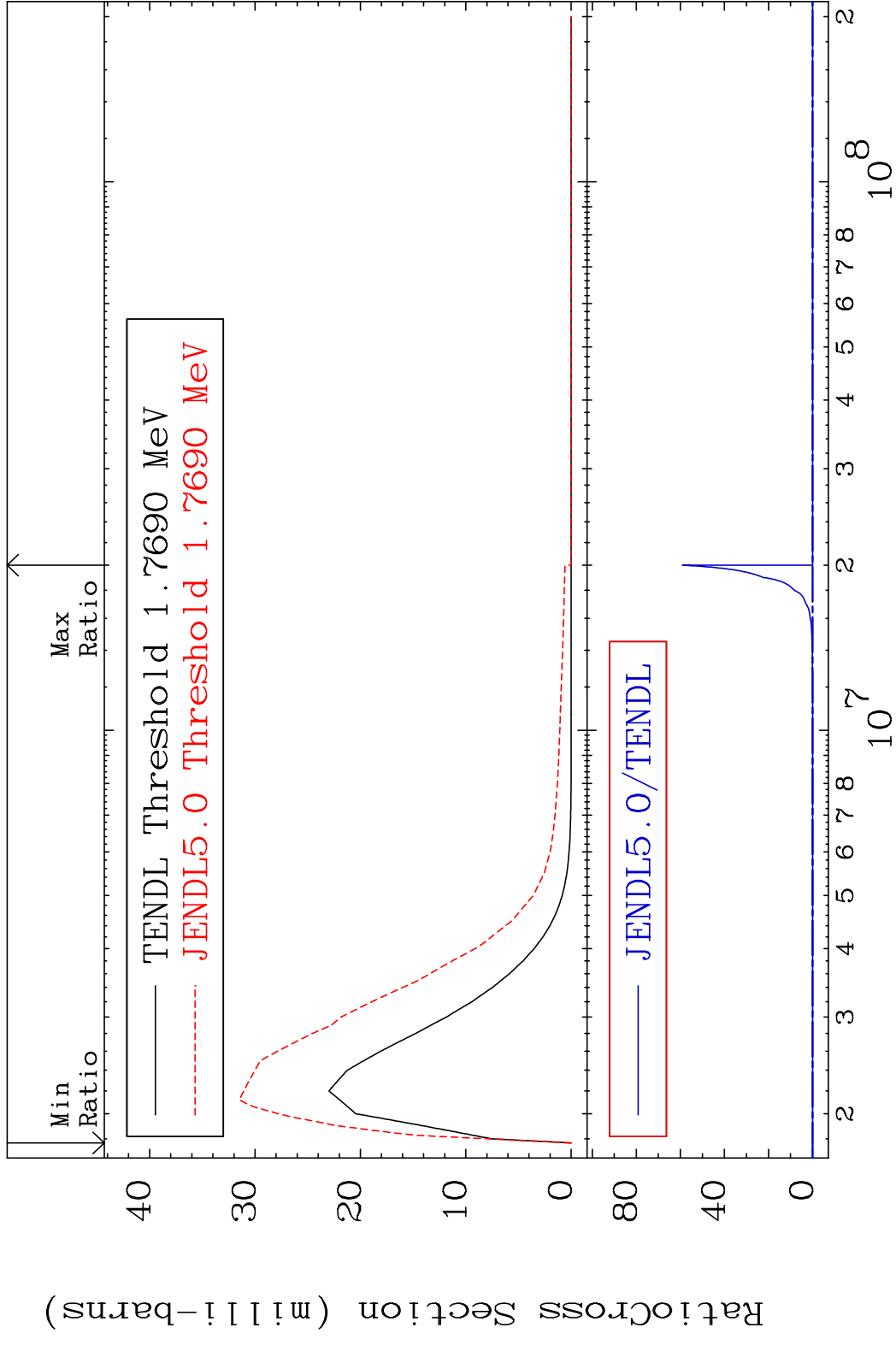


MAT 8031 MT= 60 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 172.8 %

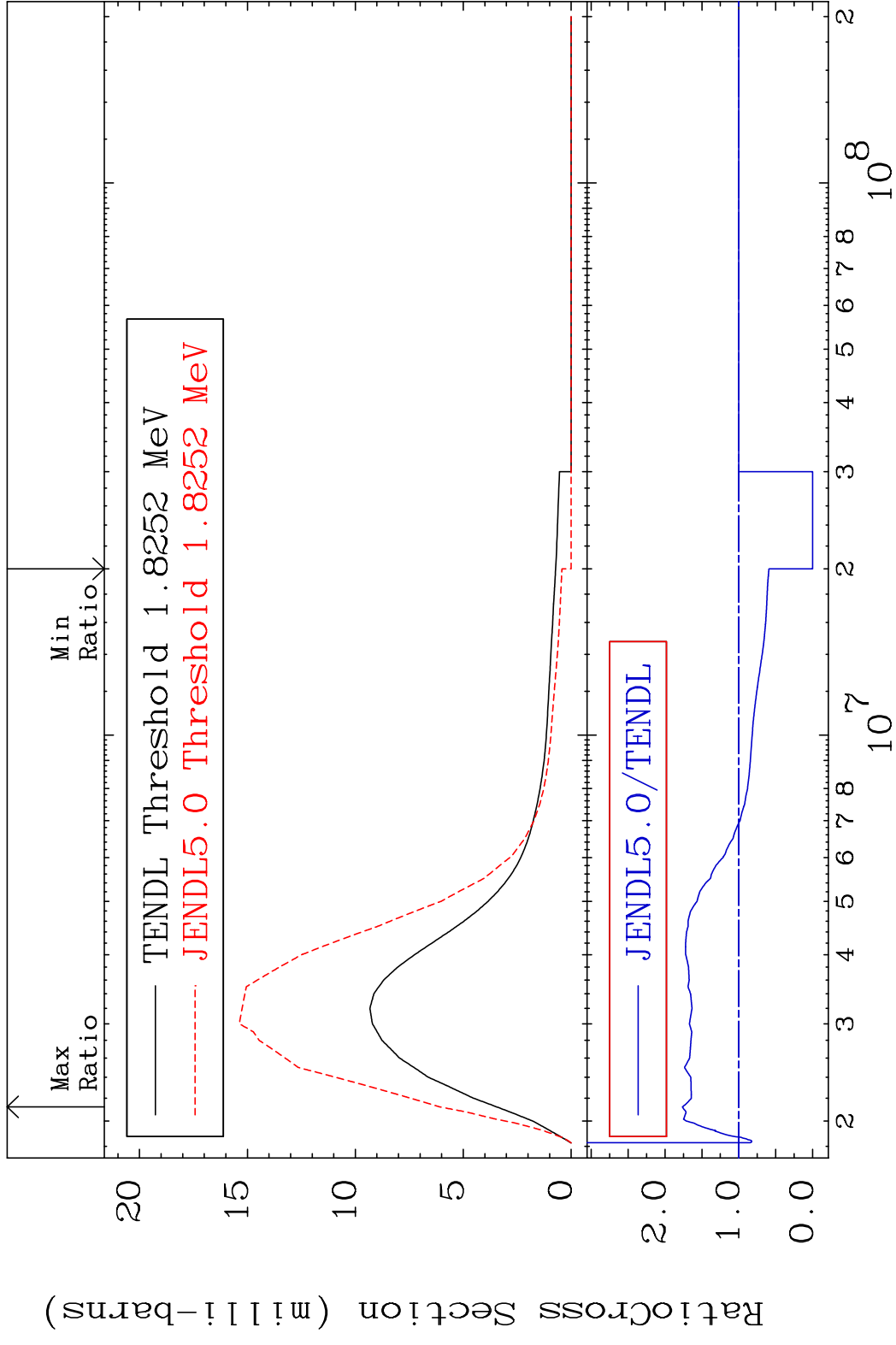


20 80-Hg-198

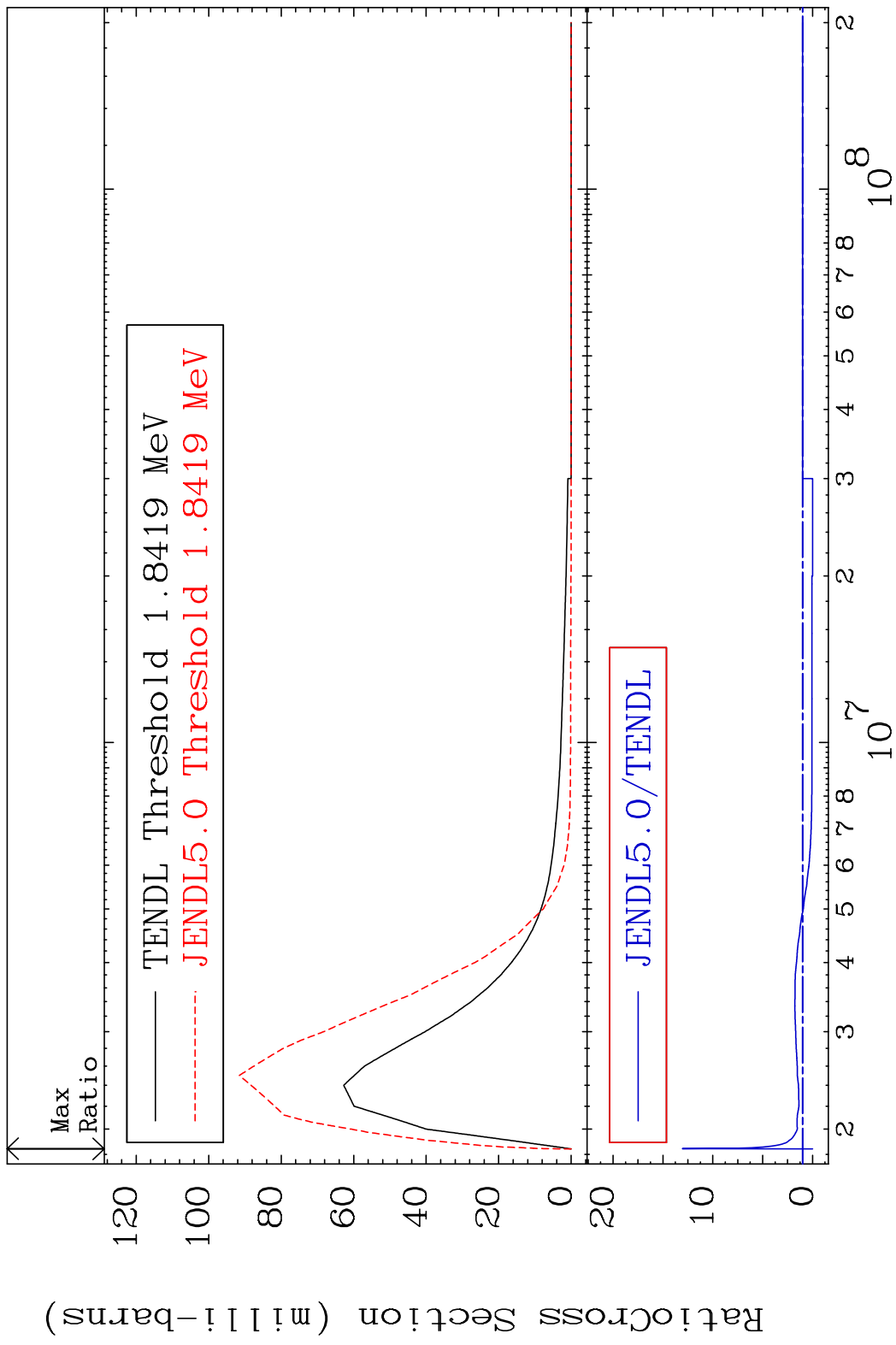
MAT 8031 MT= 61 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



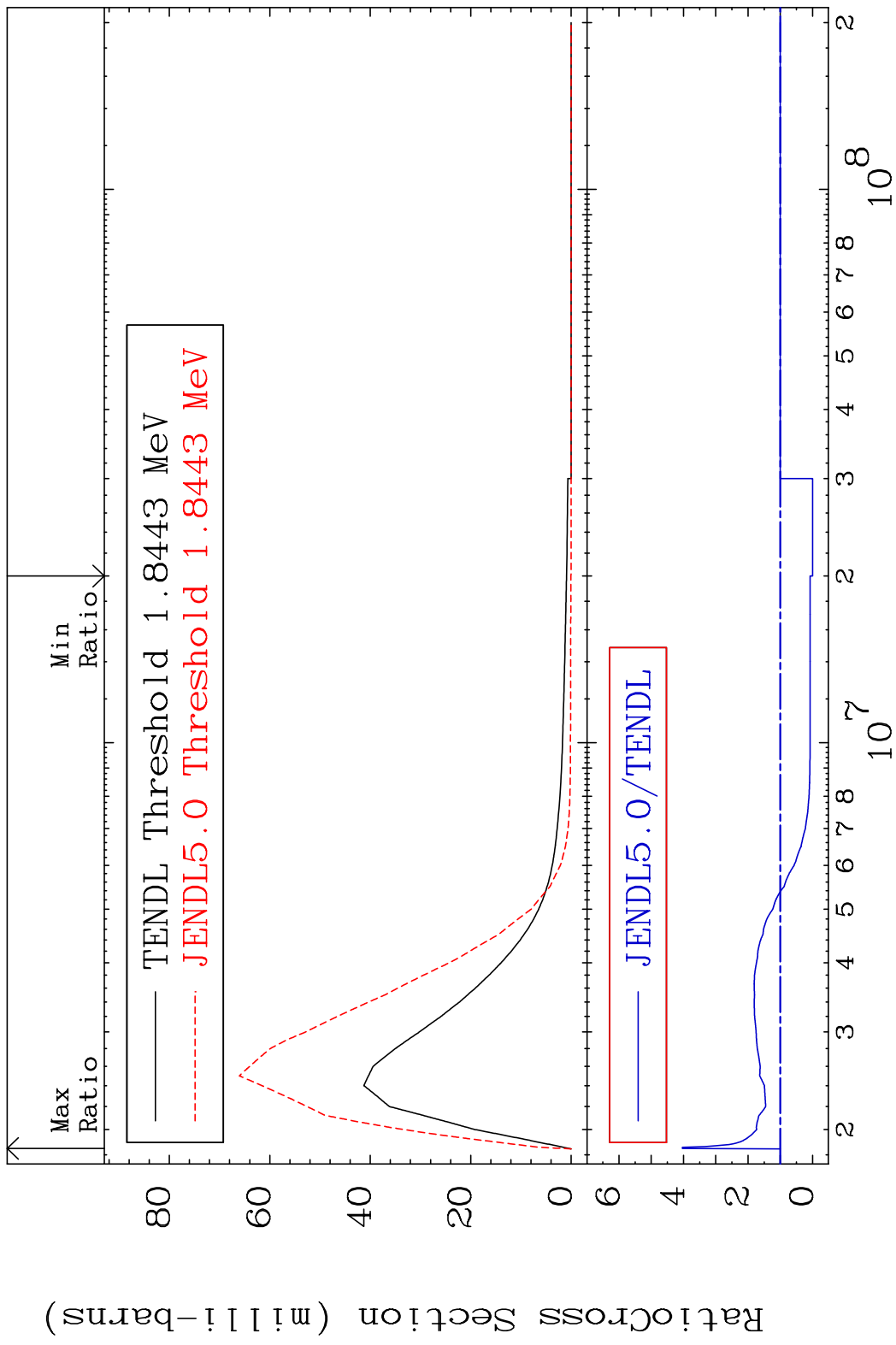
MAT 8031 MT= 62 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 76.52 %



MAT 8031 MT= 63 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 1205. %

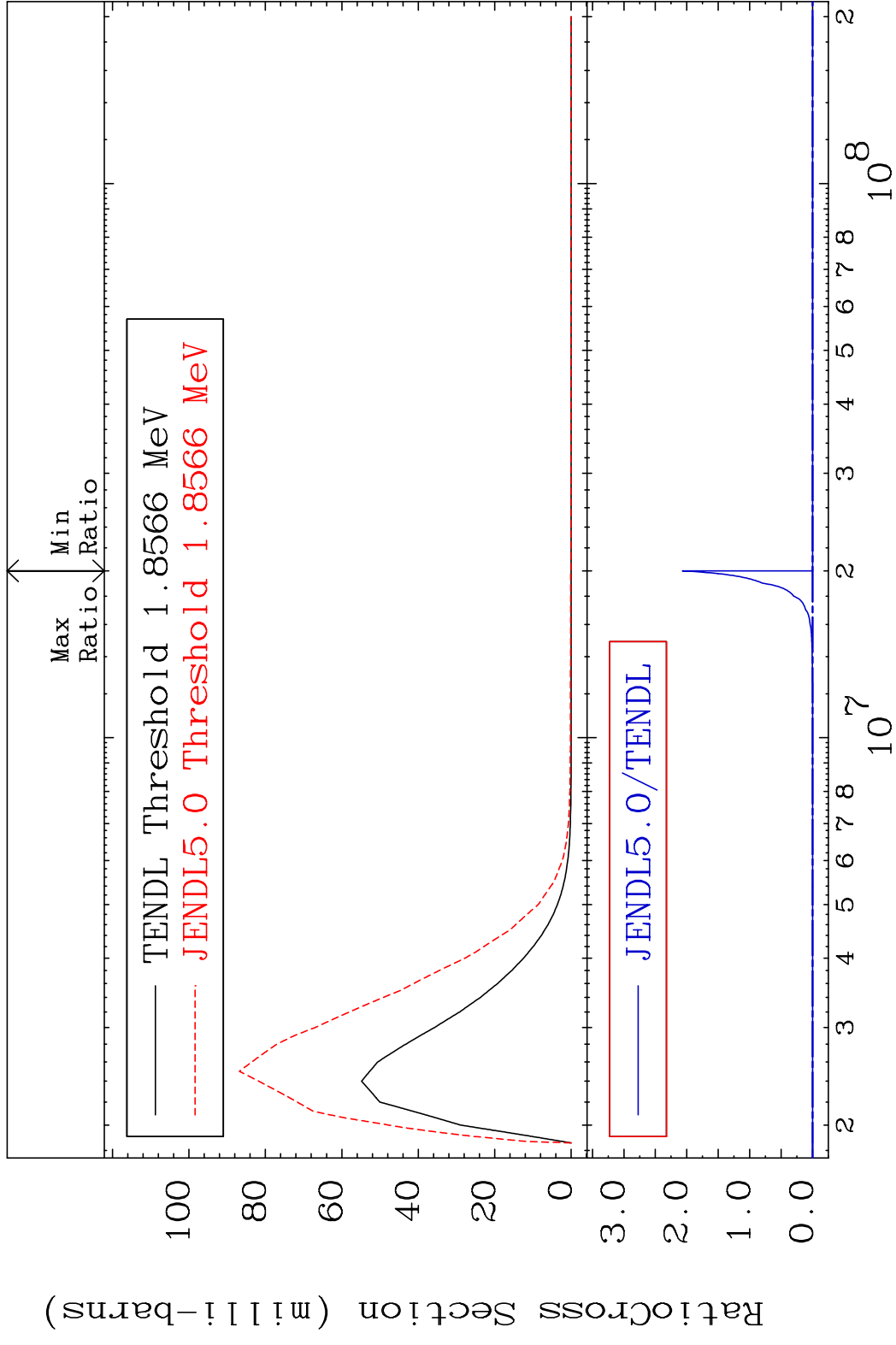


MAT 8031 MT= 64 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 303.5 %

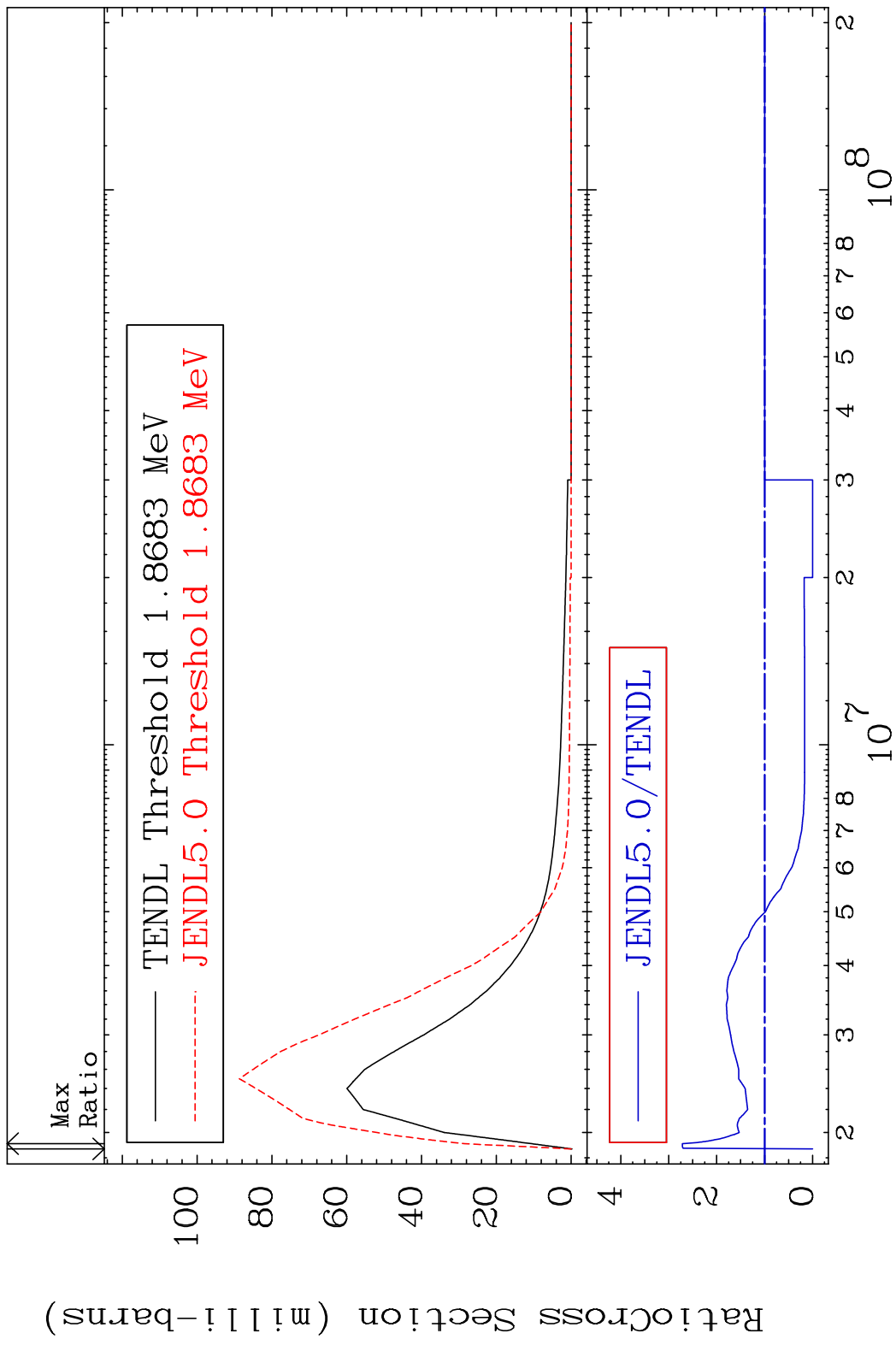


24 Incident Energy (eV) 80-Hg-198

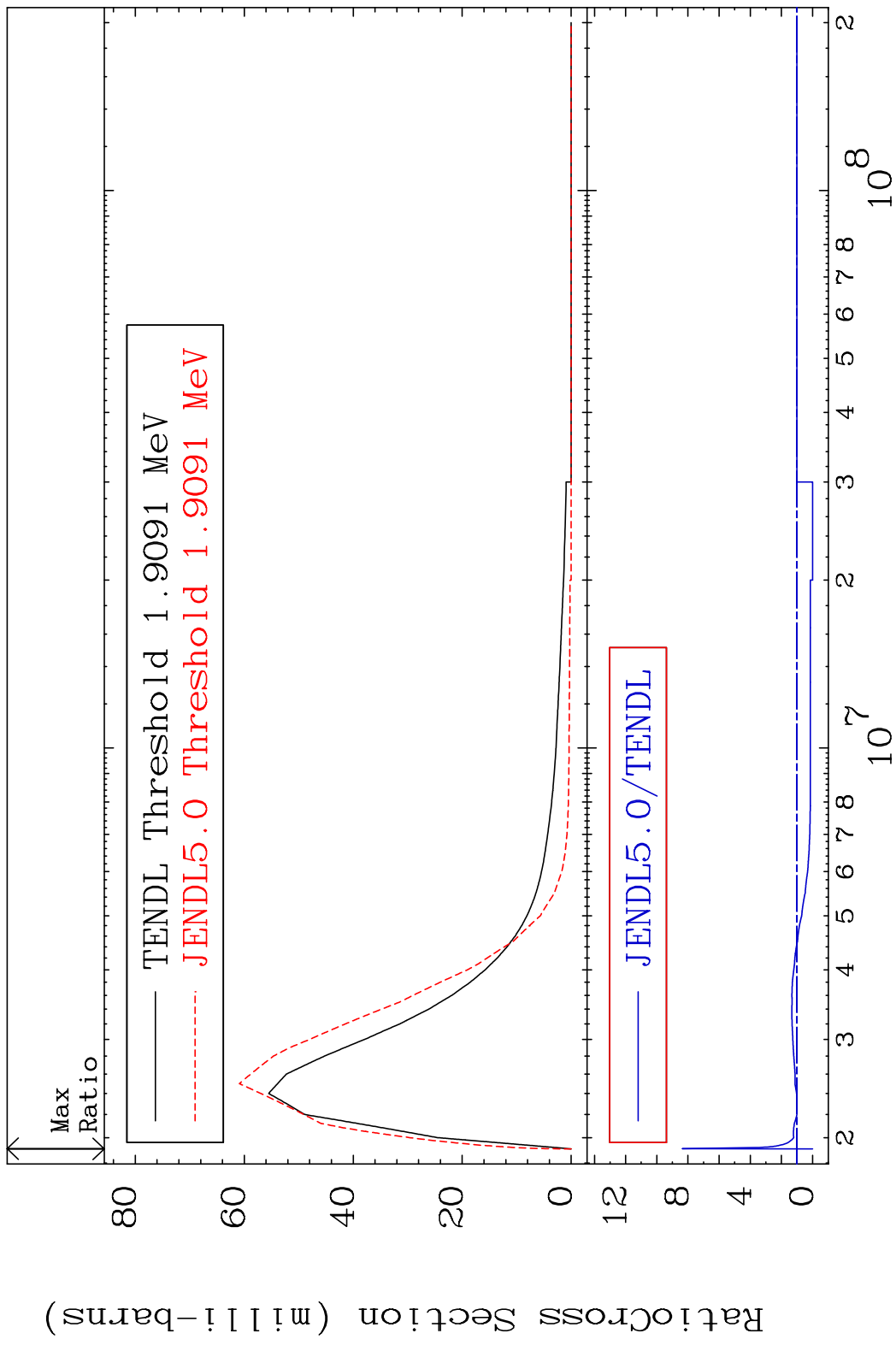
MAT 8031 MT= 65 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



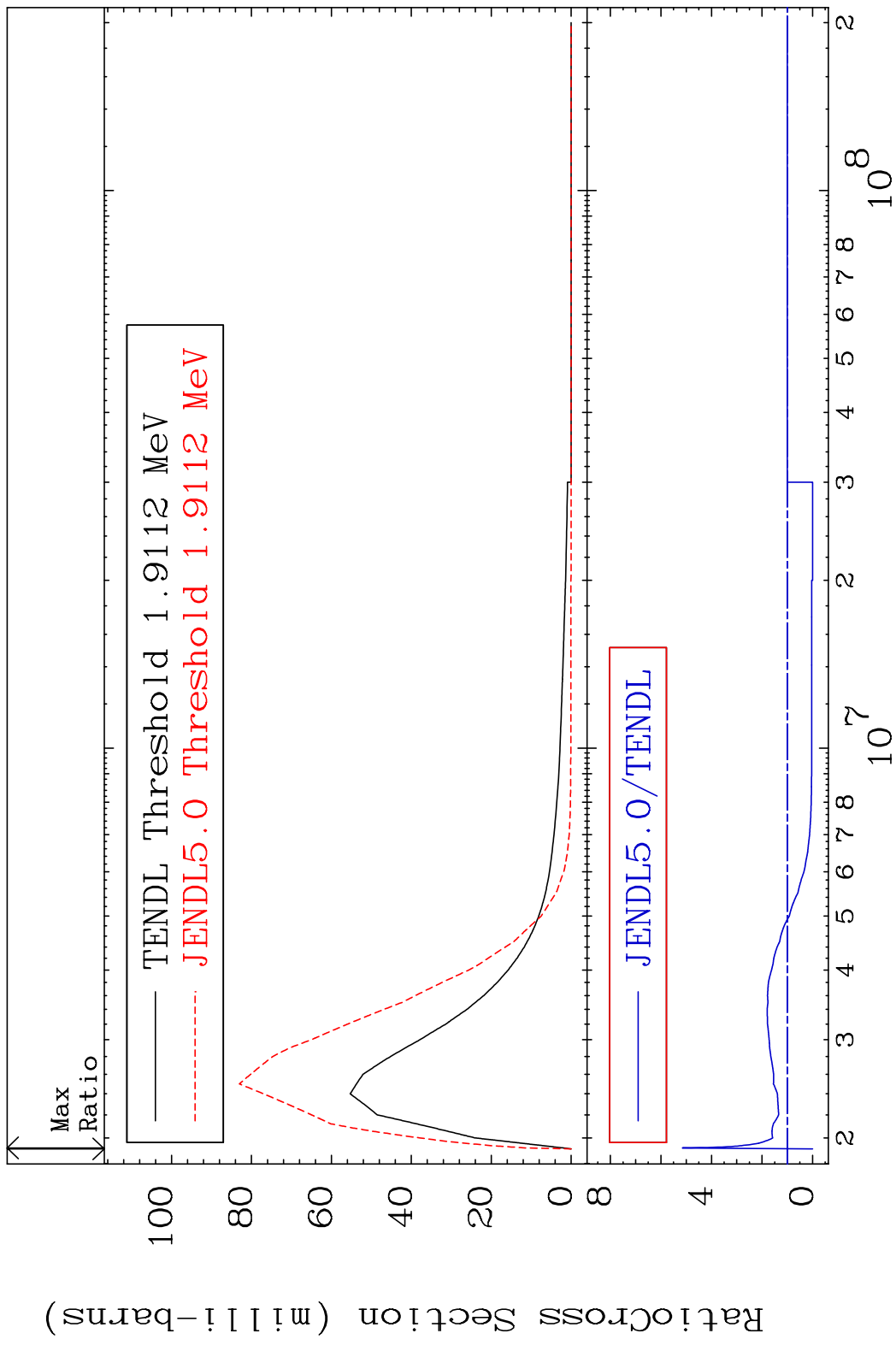
MAT 8031 MT= 66 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 171.6 %



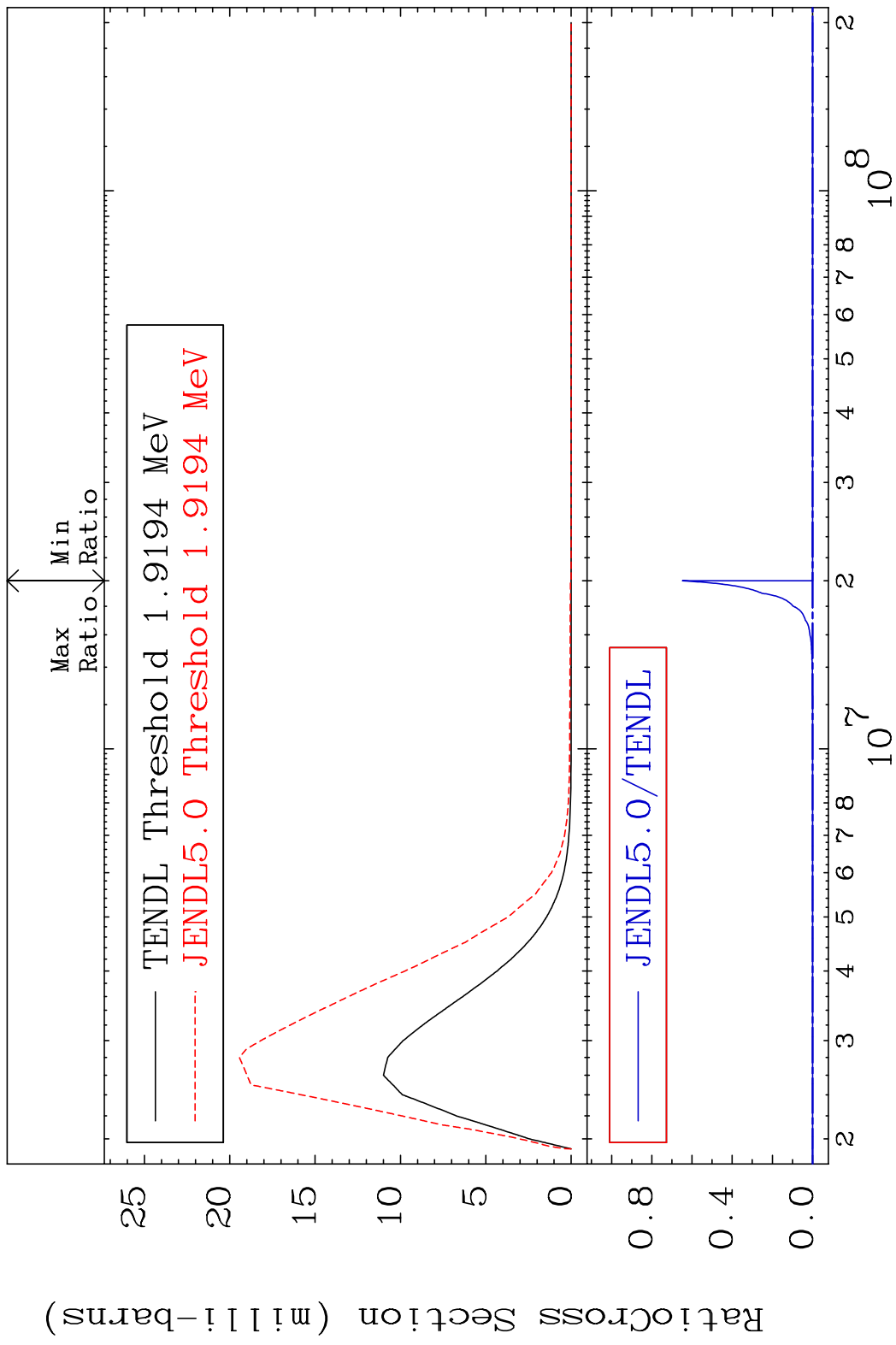
MAT 8031 MT= 67 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 735.9 %



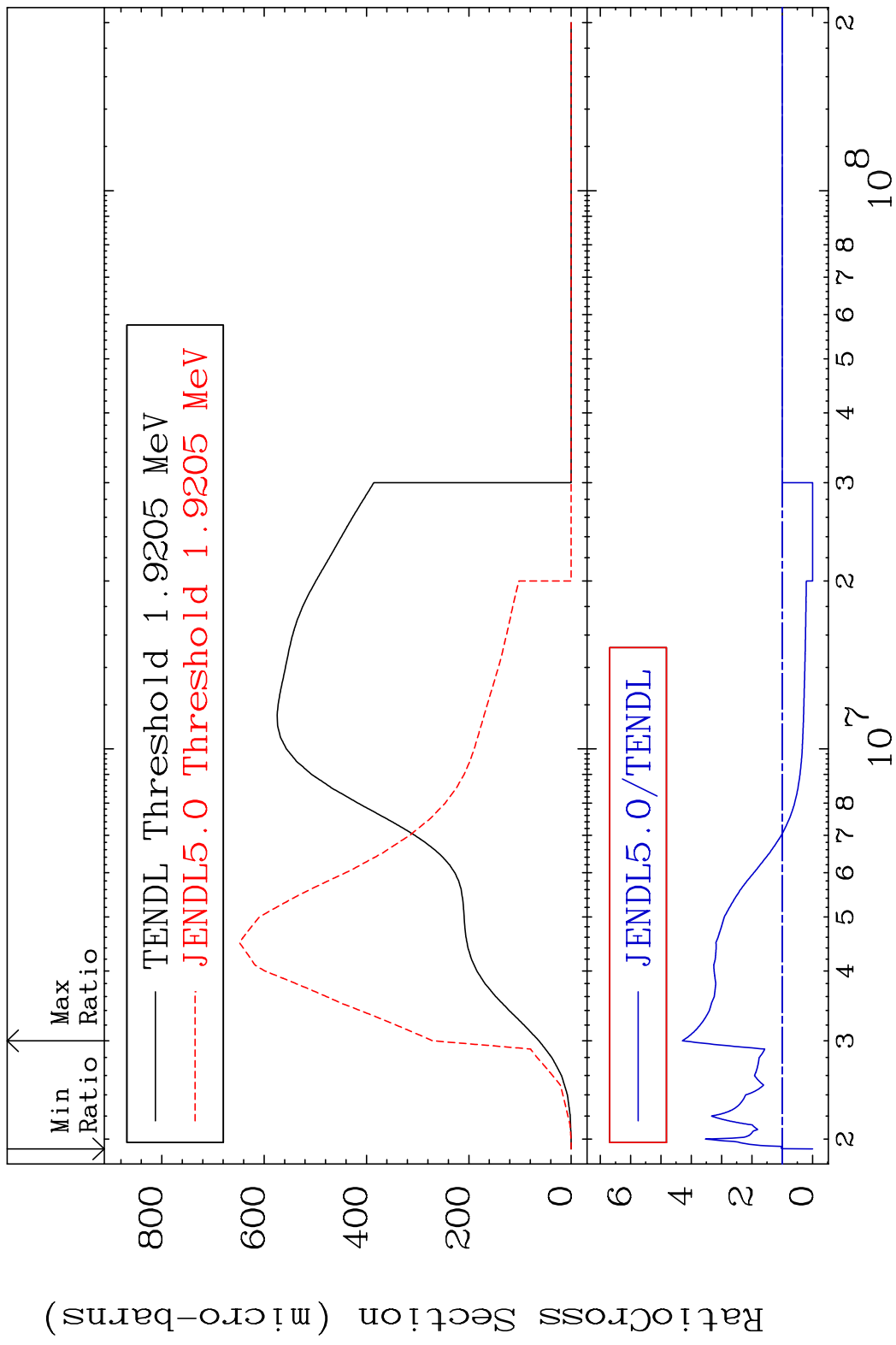
MAT 8031 MT= 68 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 415.2 %



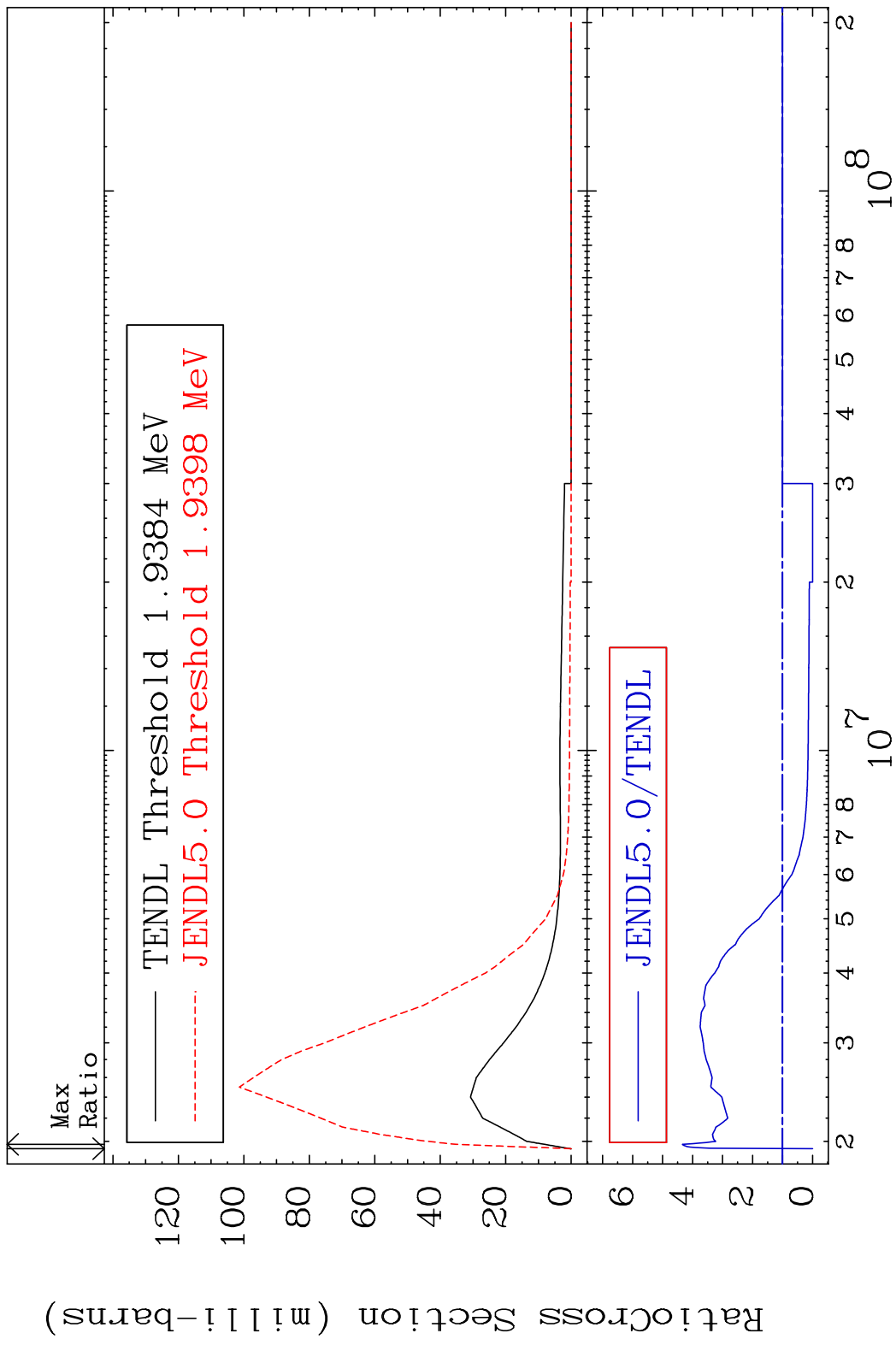
MAT 8031 MT= 69 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



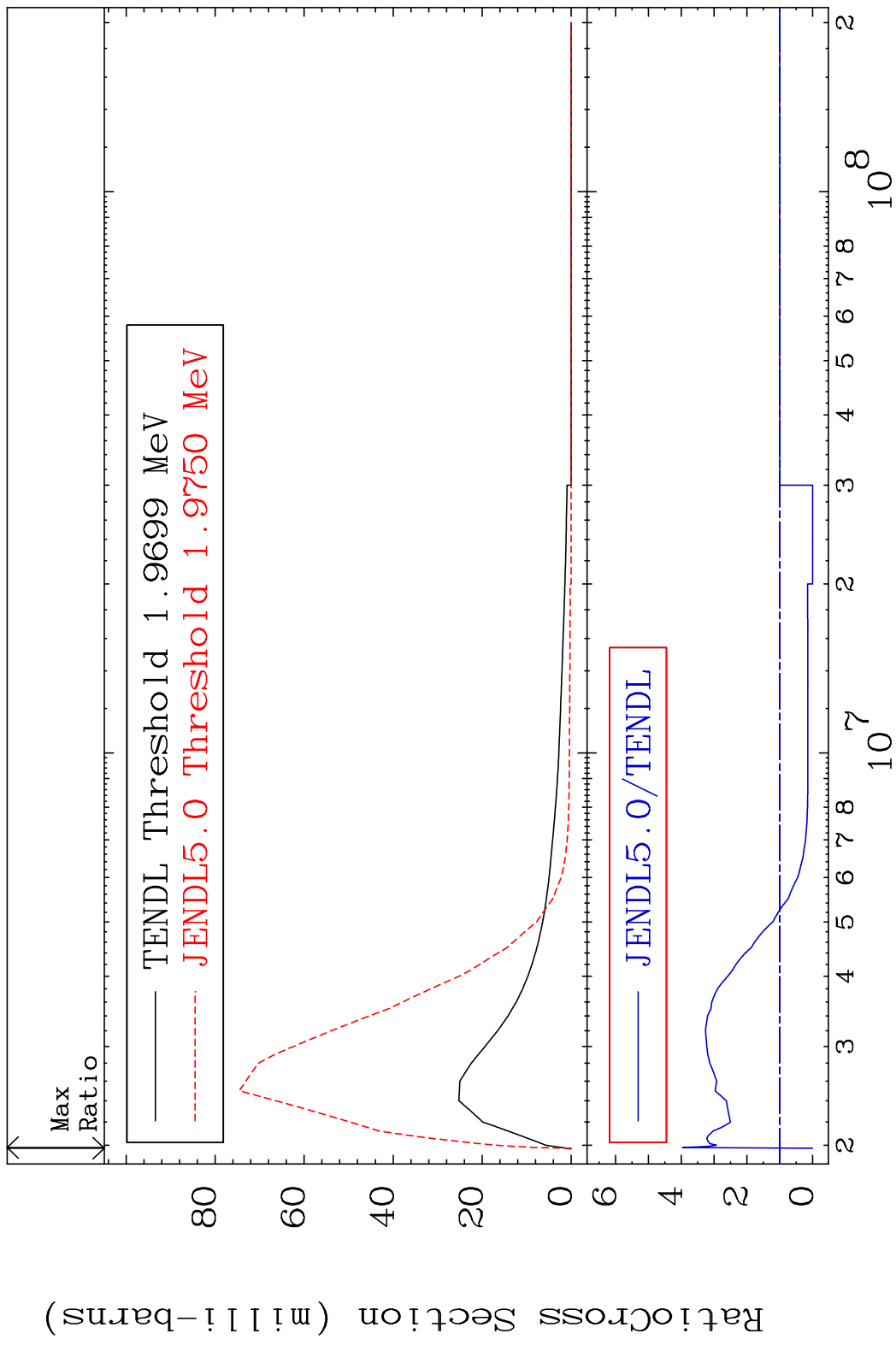
MAT 8031 MT= 70 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 329.4 %



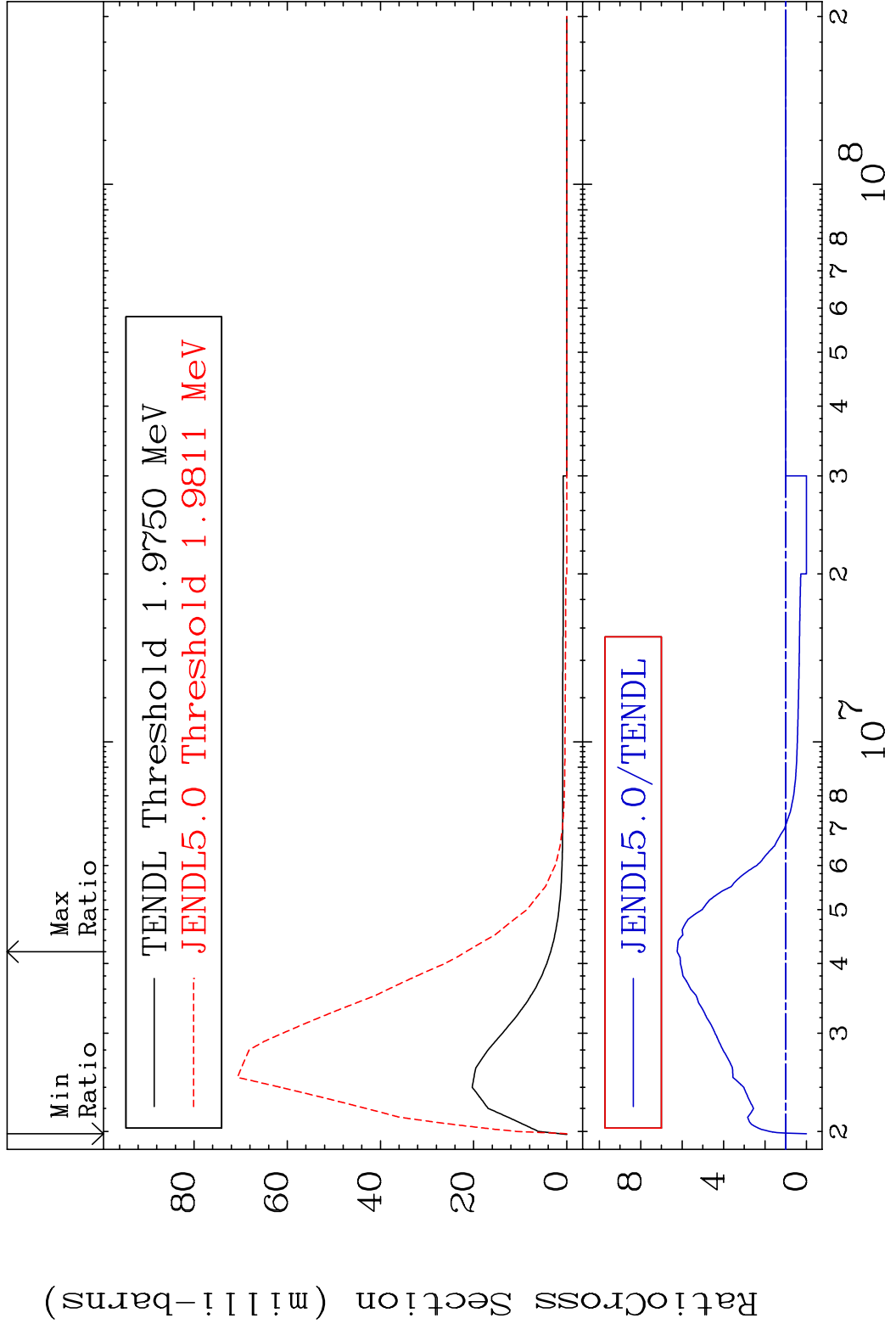
MAT 8031 MT= 71 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 334.2 %



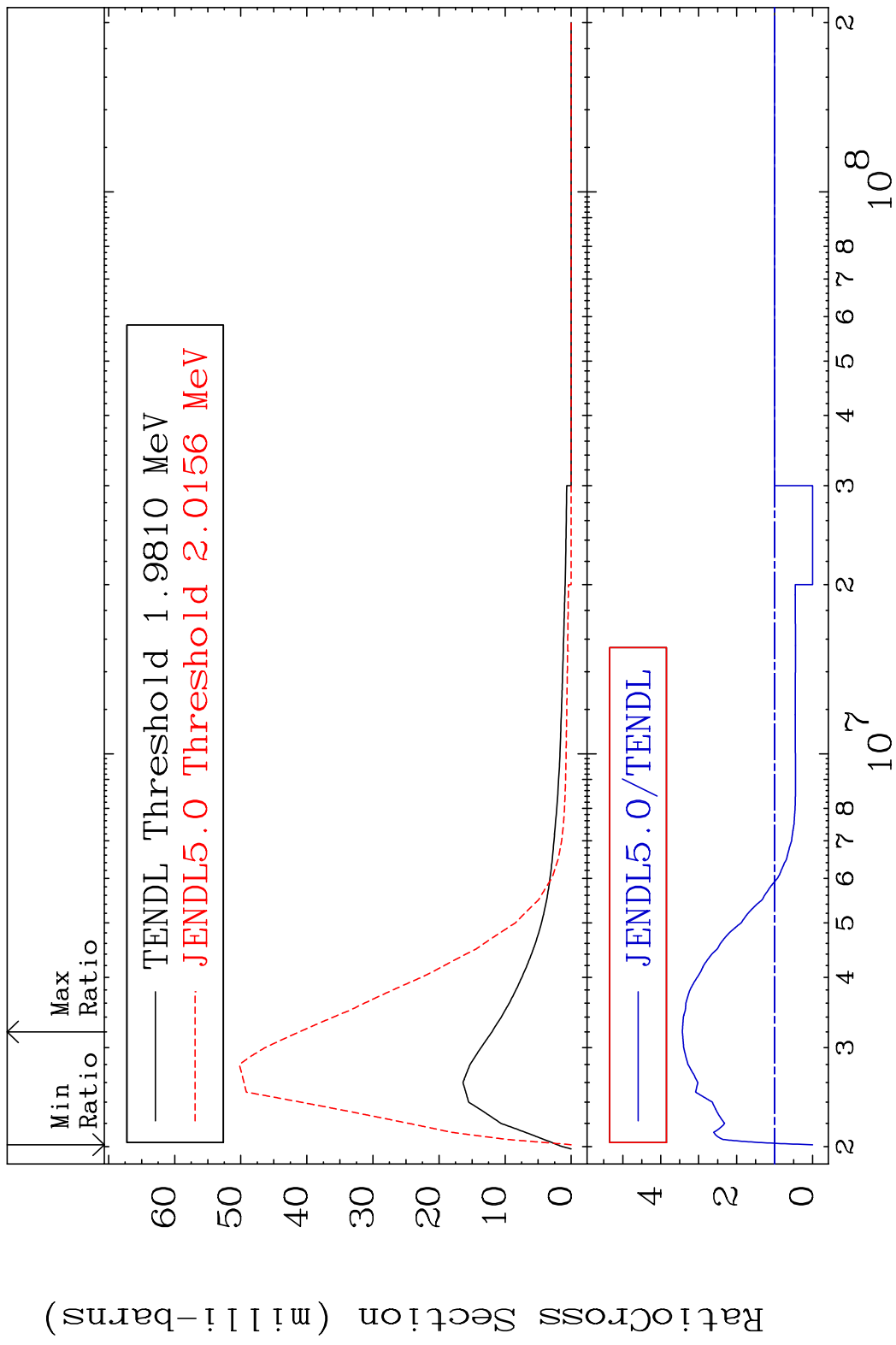
MAT 8031 MT= 72 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 296.8 %



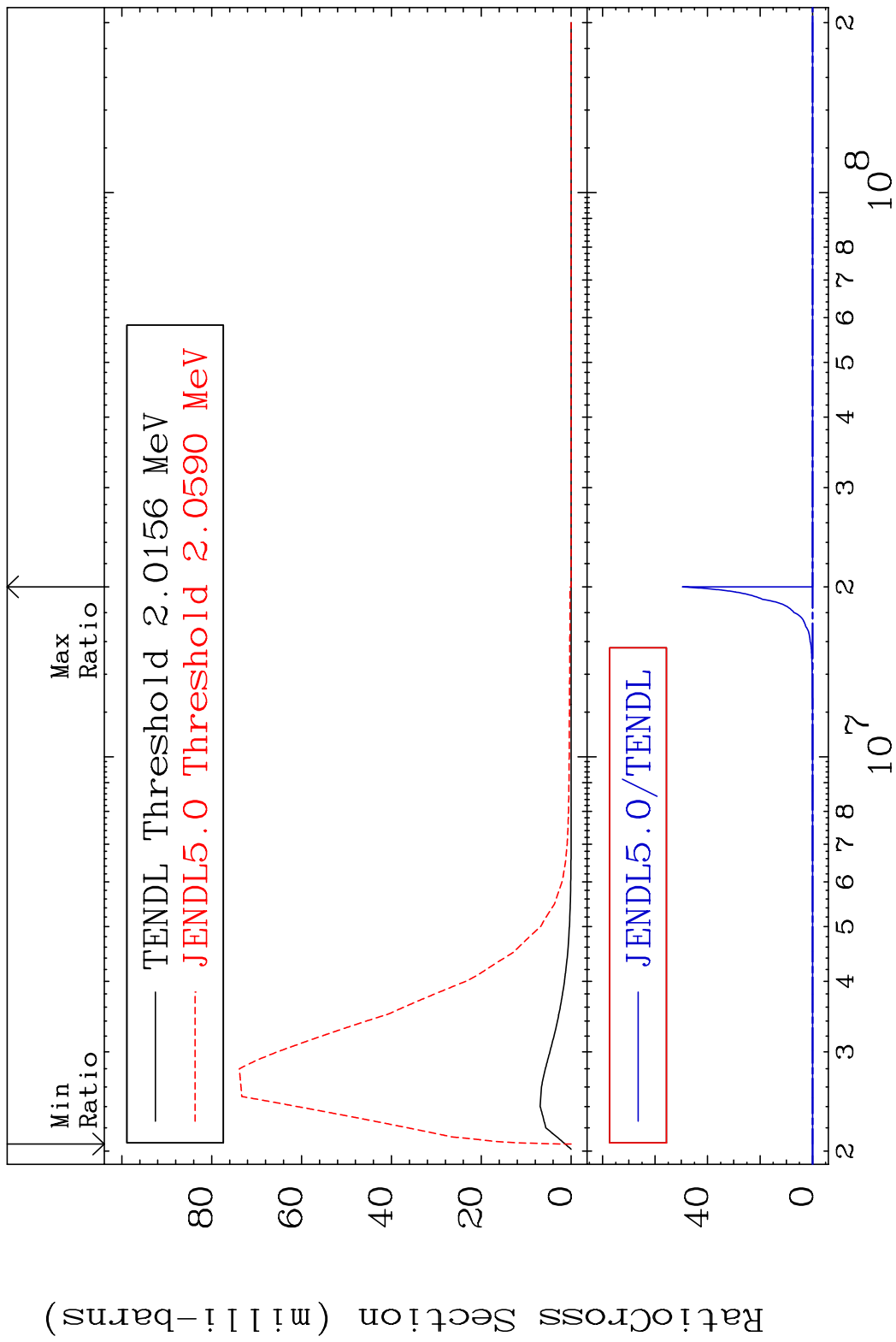
MAT 8031 MT= 73 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 524.0 %



MAT 8031 MT= 74 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 243.0 %

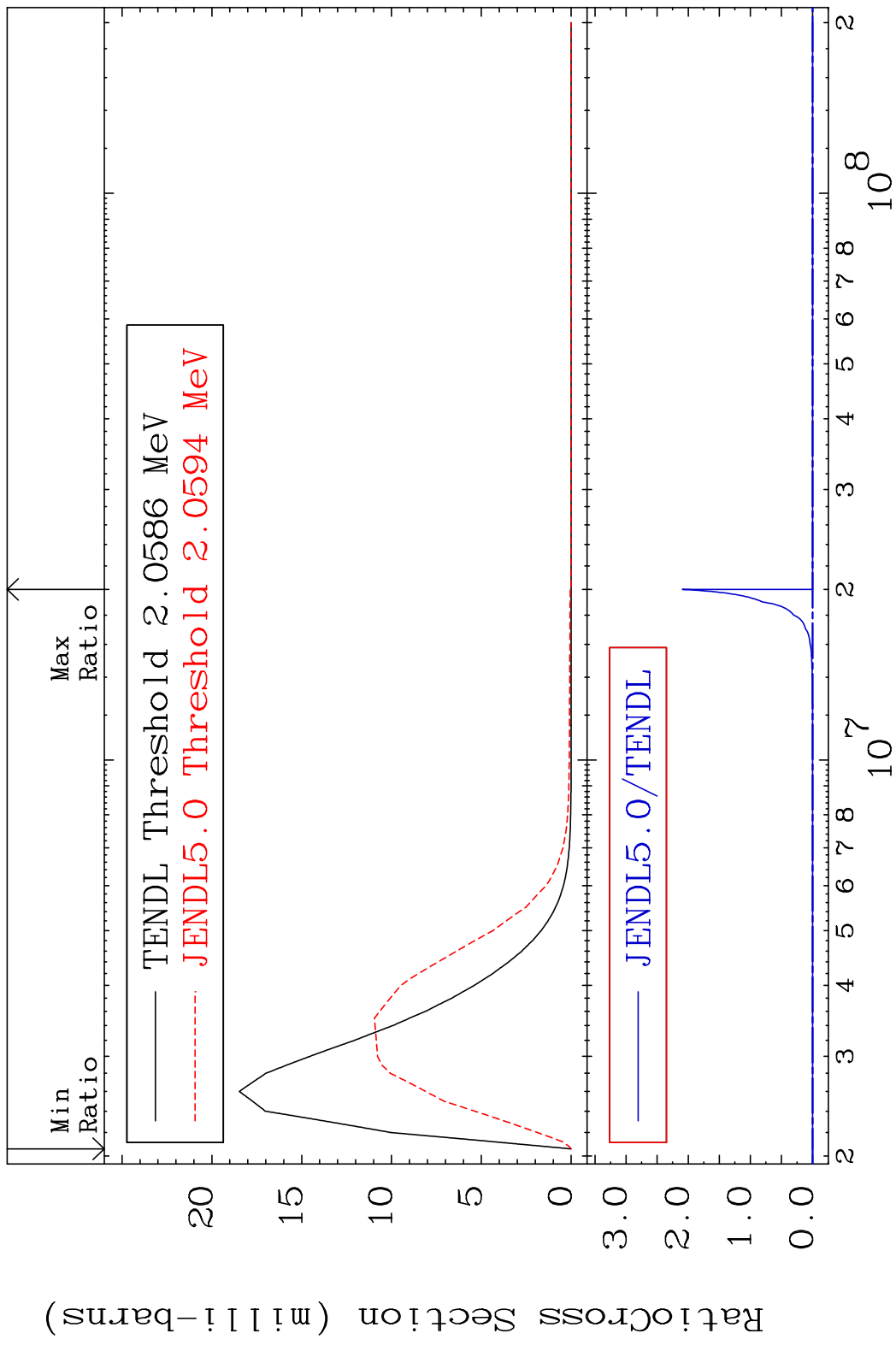


MAT 8031 MT= 75 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

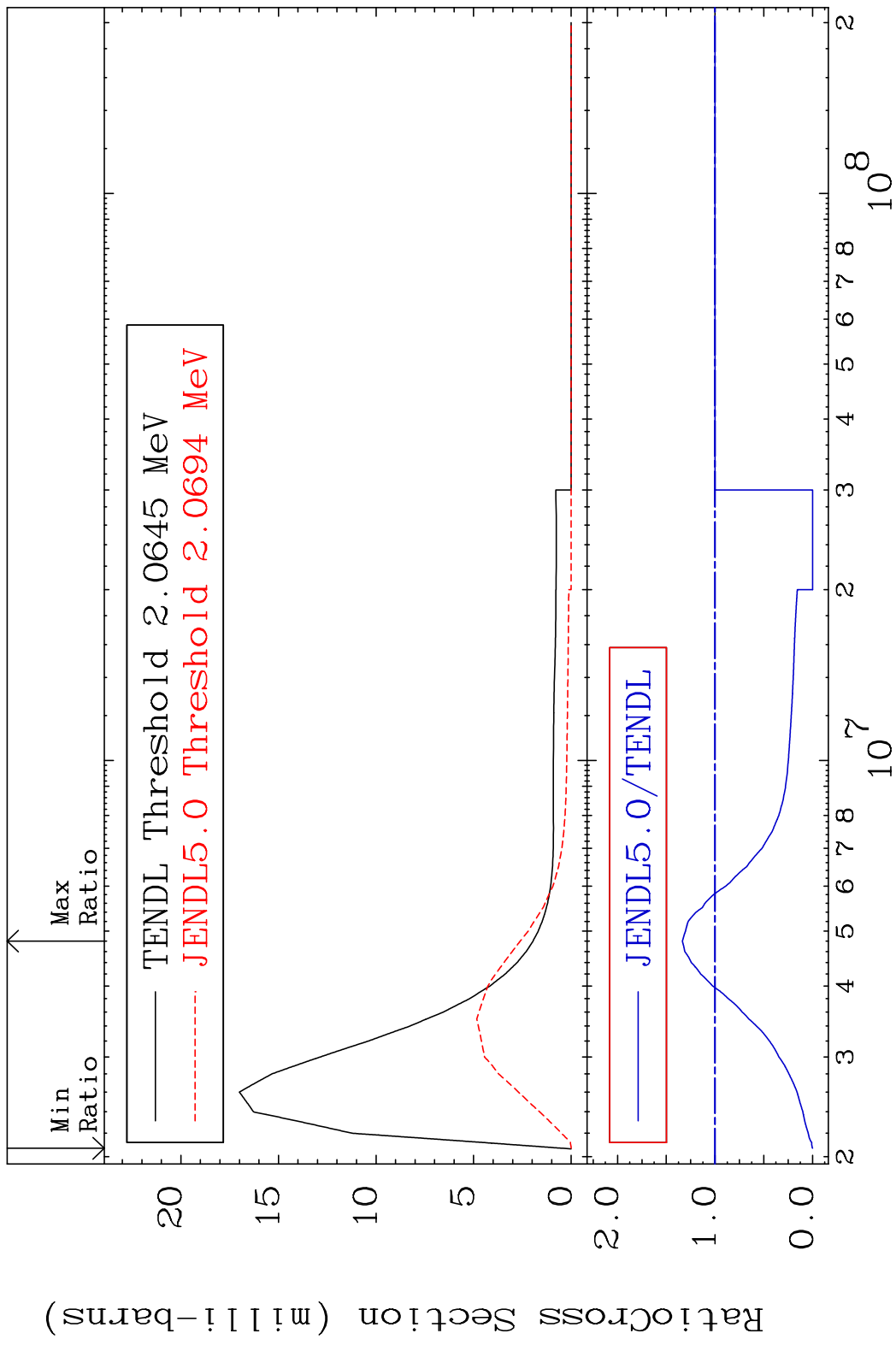


35 Incident Energy (eV) 80-Hg-198

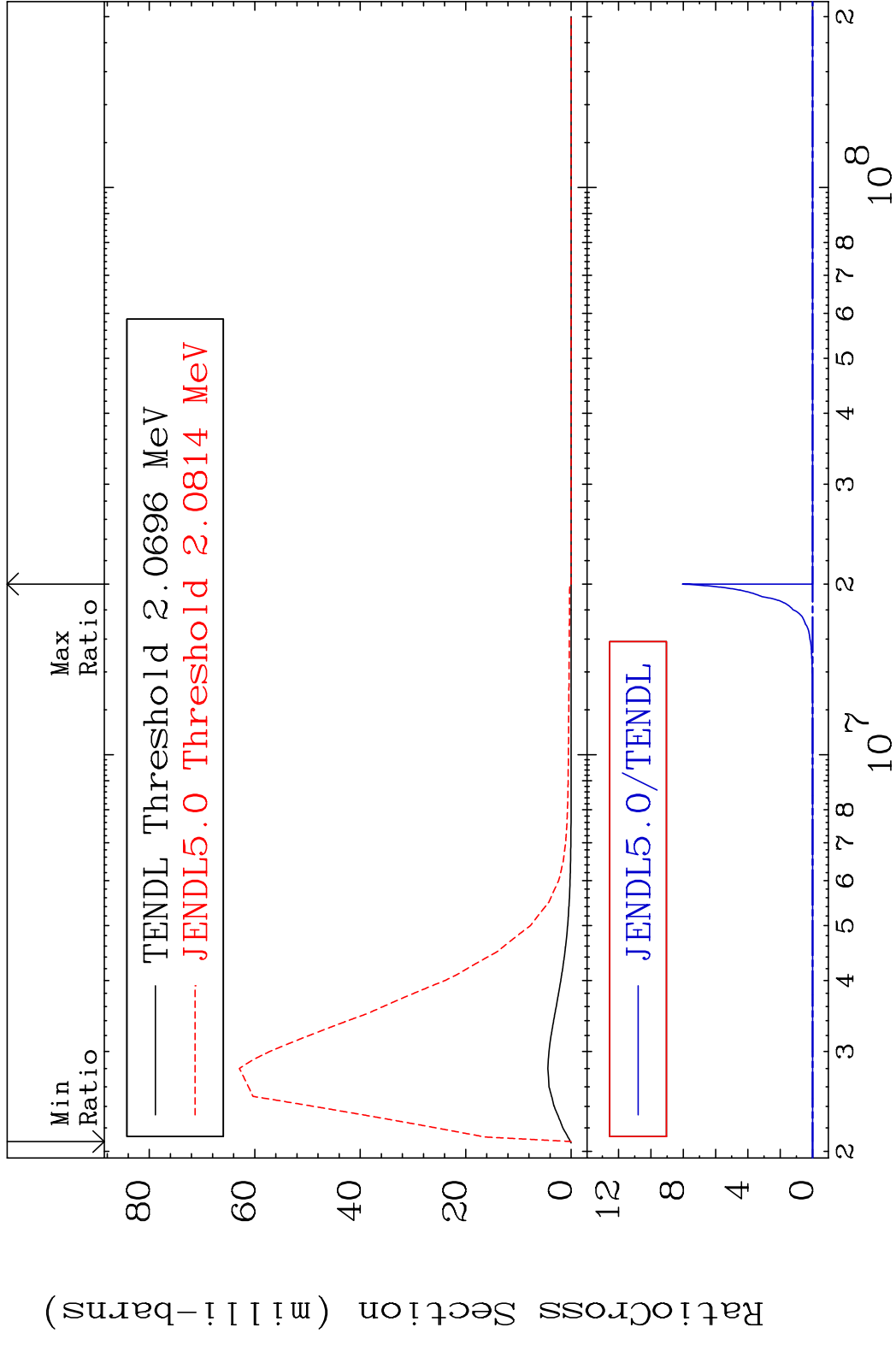
MAT 8031 MT= 76 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



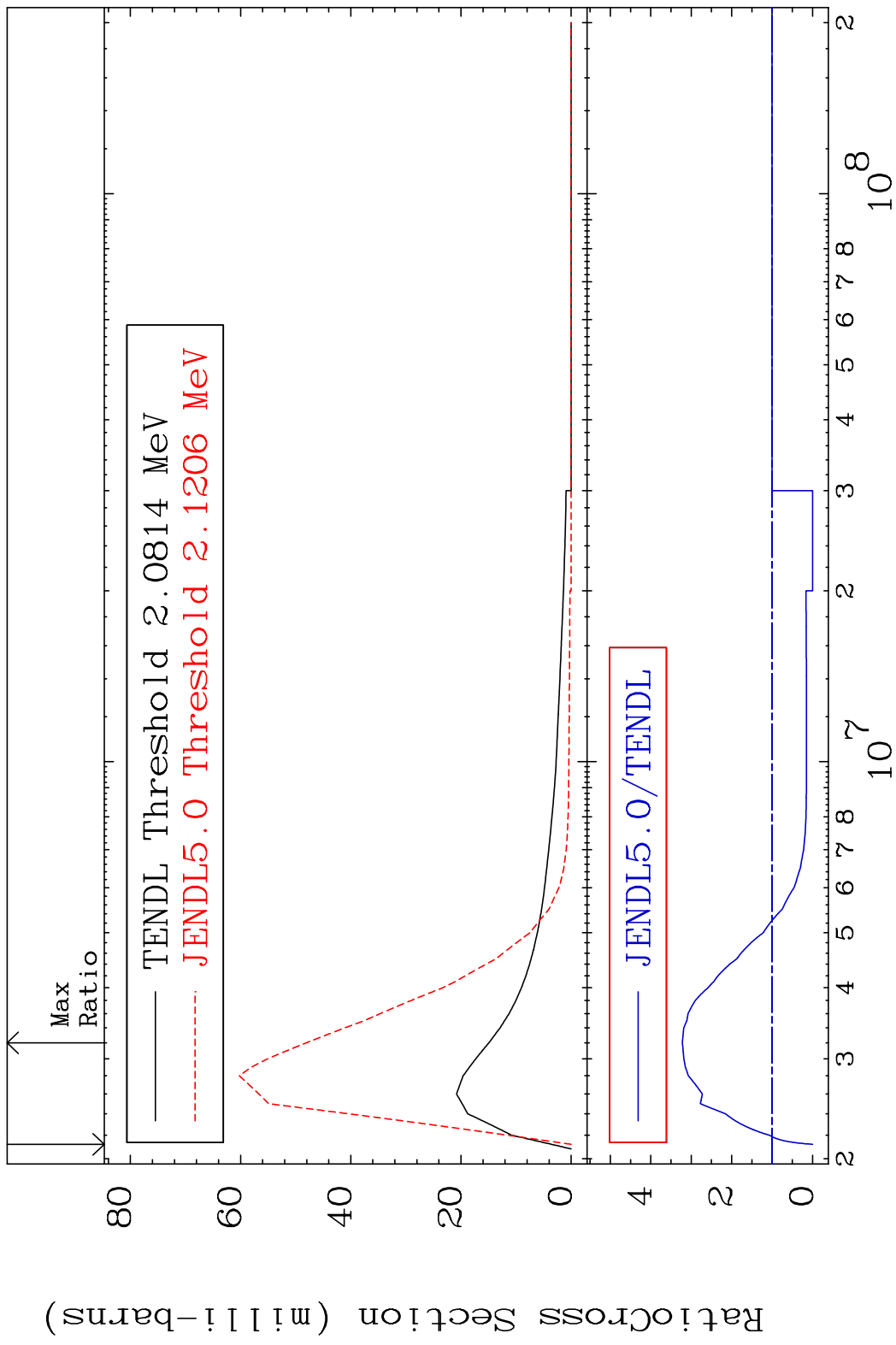
MAT 8031 MT= 77 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 33.52 %



MAT 8031 MT= 78 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



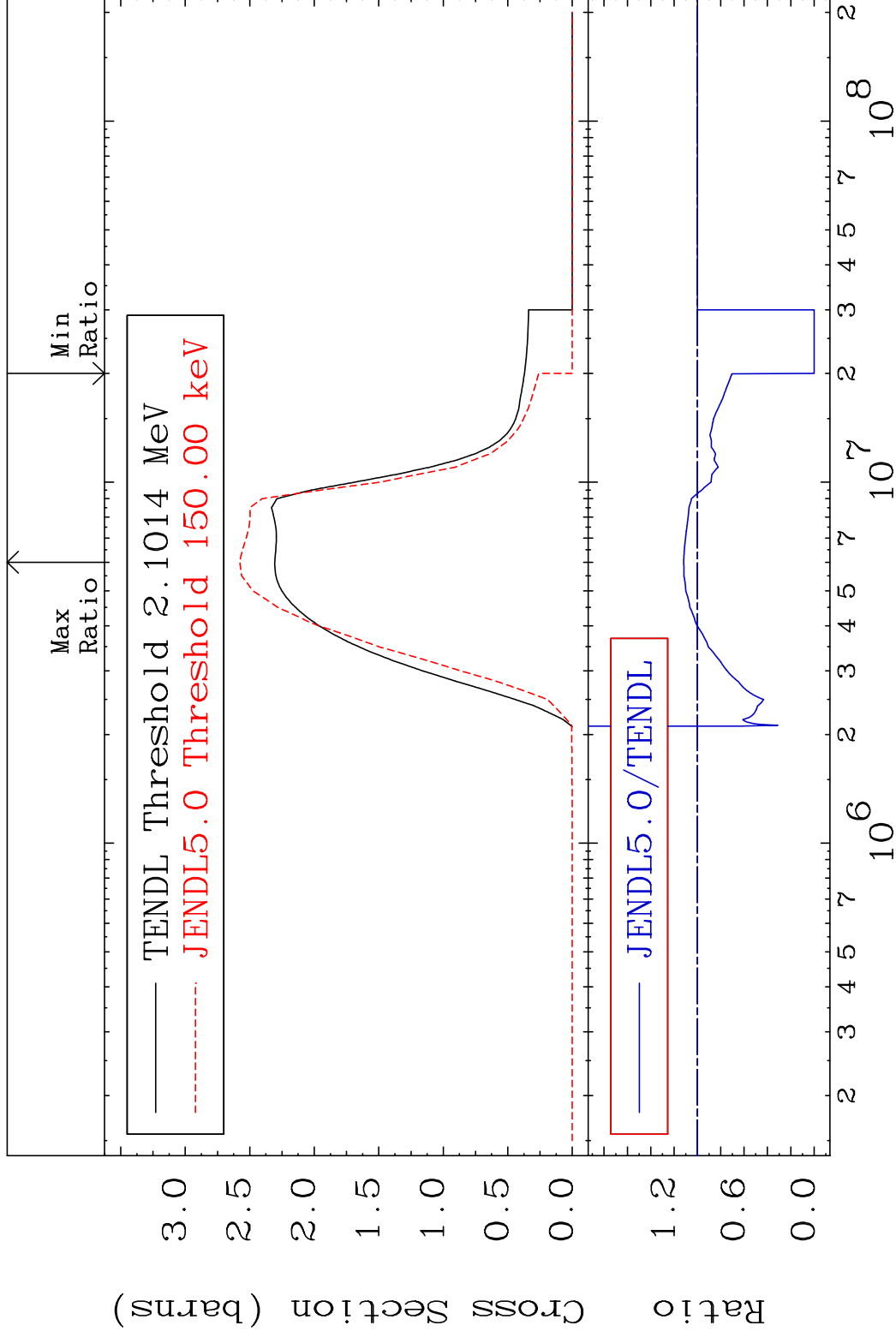
MAT 8031 MT= 79 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 221.9 %



MAT 8031

(n,n') Continuum
Cross Section -100.0 To 11.78 %

80-Hg-198



40

Incident Energy (eV)

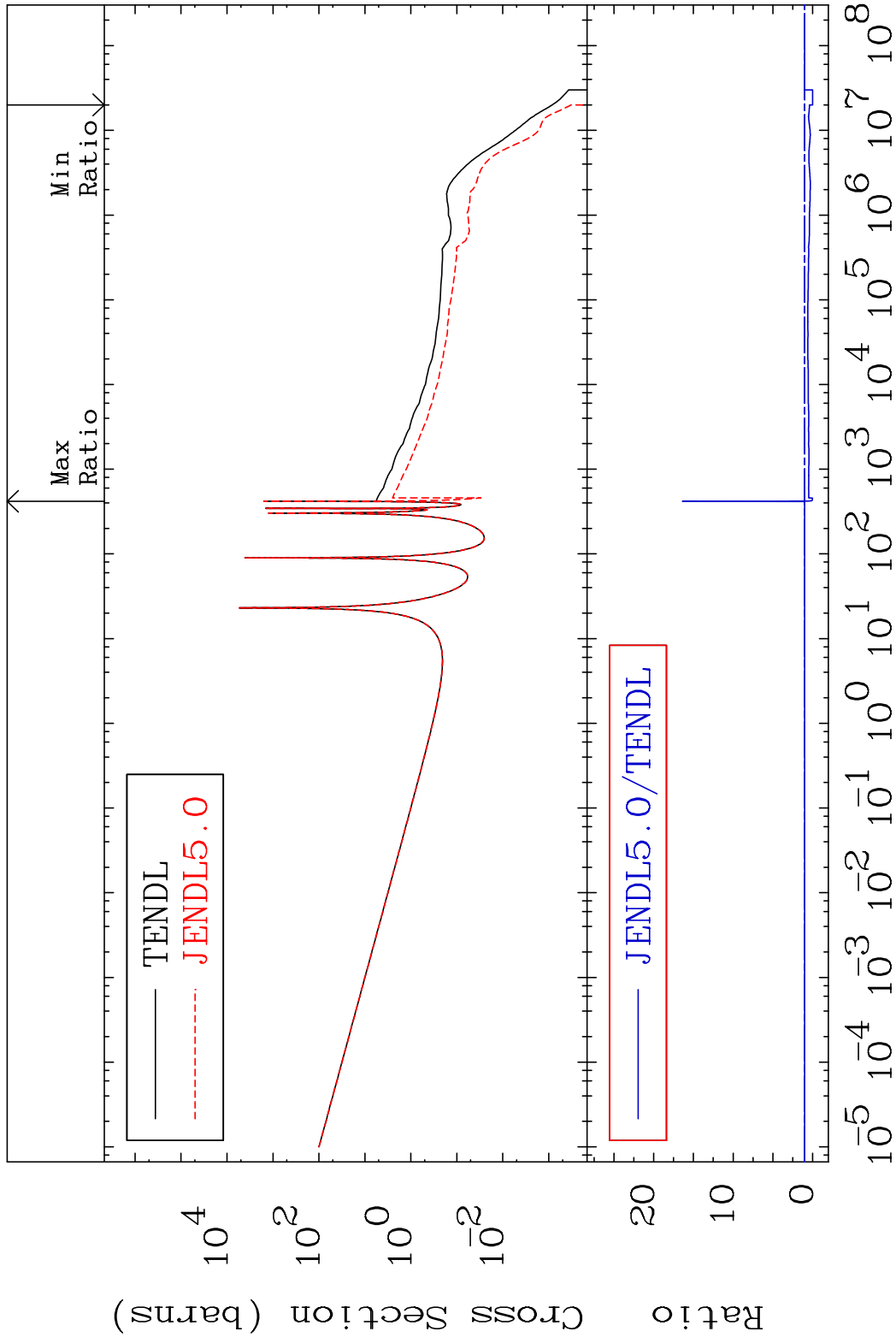
80-Hg-198

MAT 8031

(n, γ)

80-Hg-198

Cross Section -100.0 To 1539. %



41

Incident Energy (eV)

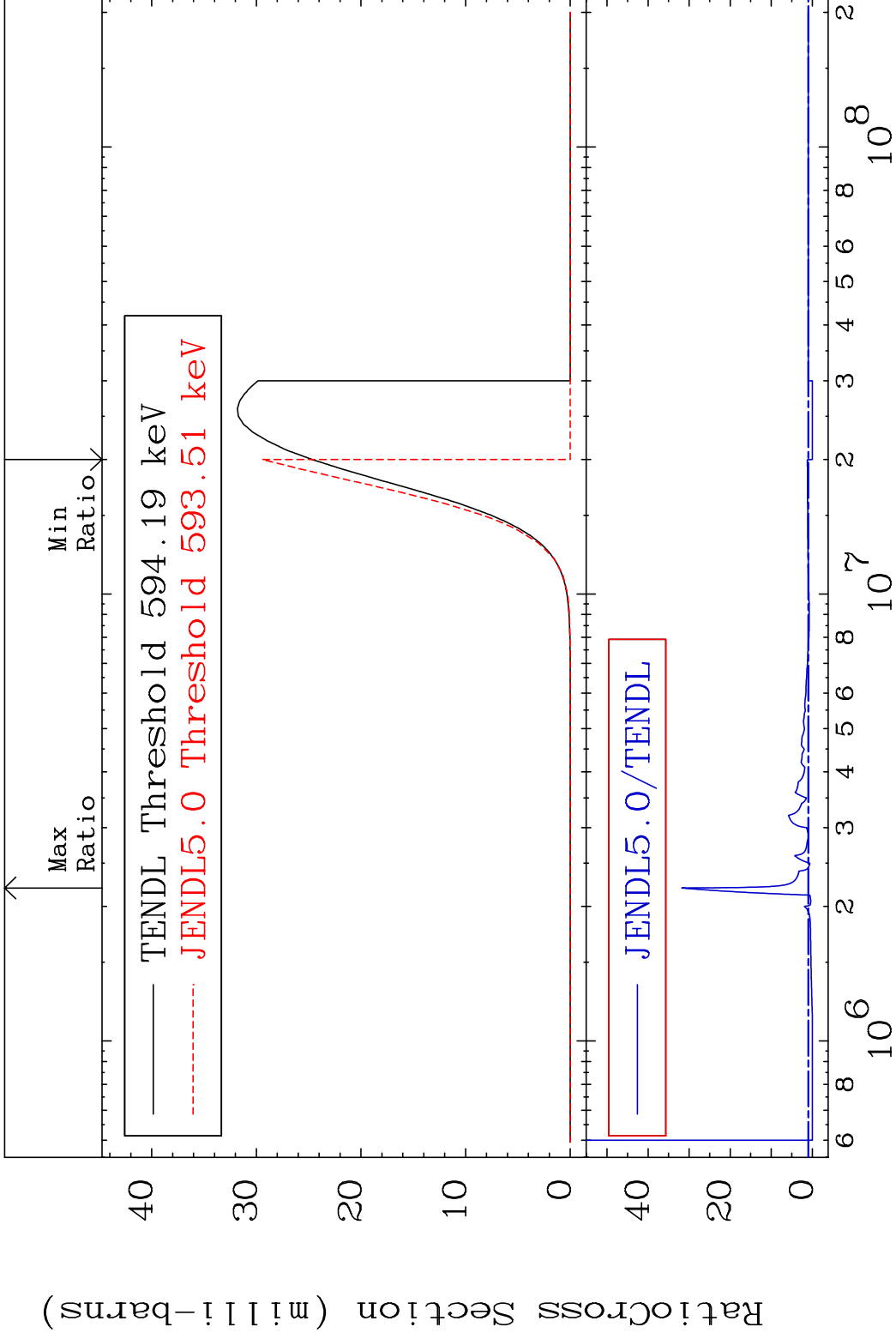
80-Hg-198

MAT 8031

(n, p)

80-Hg-198

Cross Section -100.0 To 3080. %



42

Incident Energy (eV)

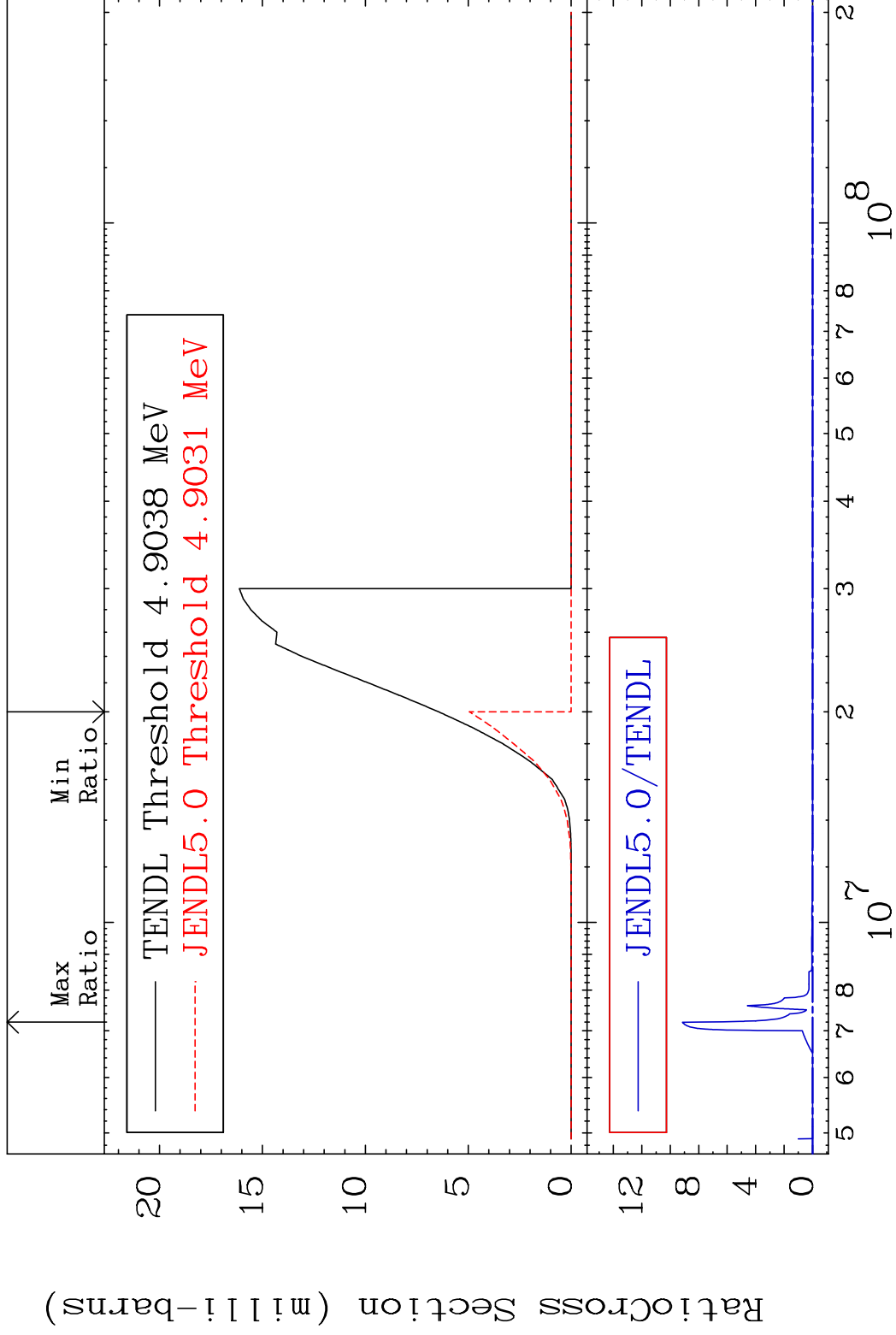
80-Hg-198

MAT 8031

(n, d)

80-Hg-198

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

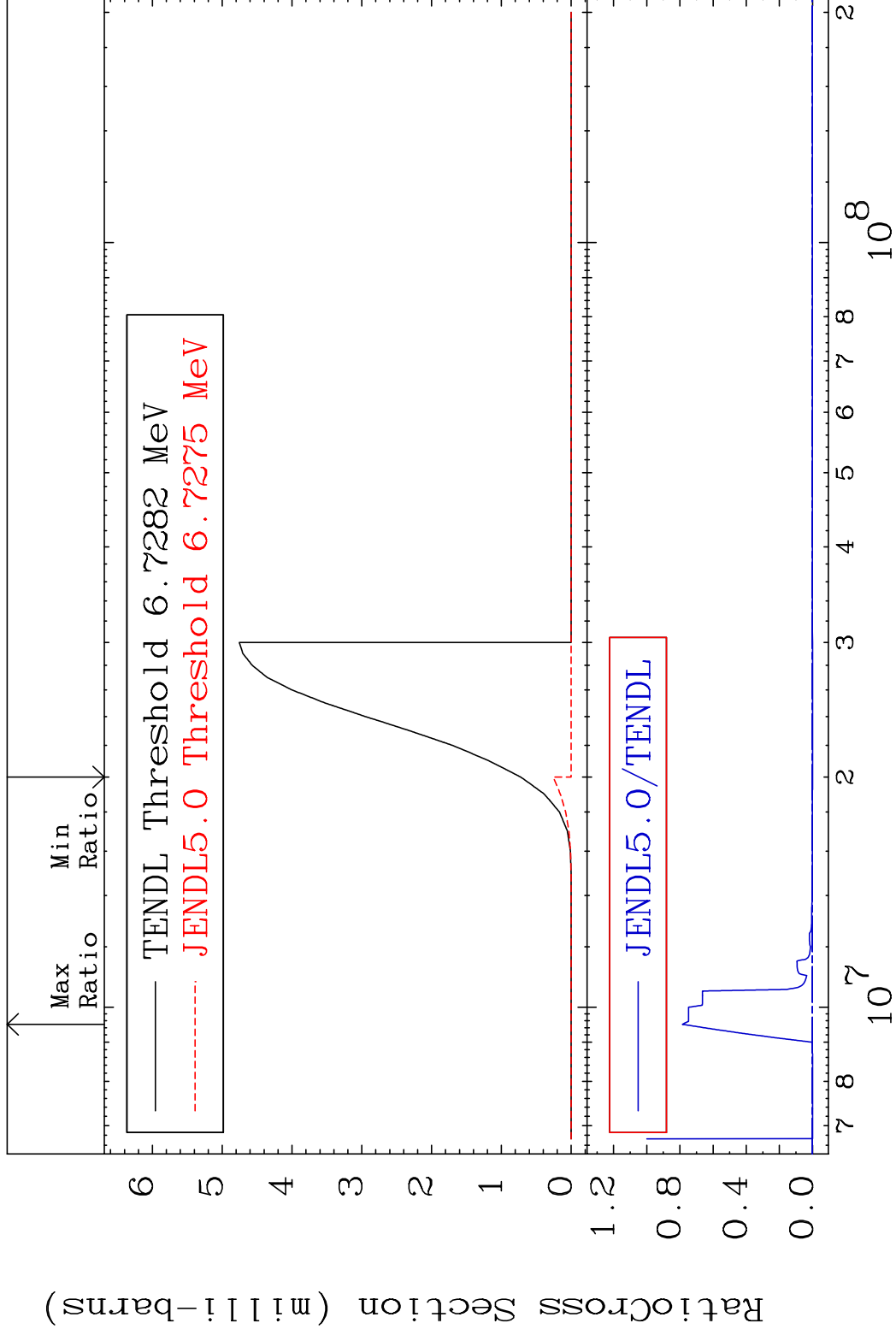
80-Hg-198

MAT 8031

(n, t)

80-Hg-198

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

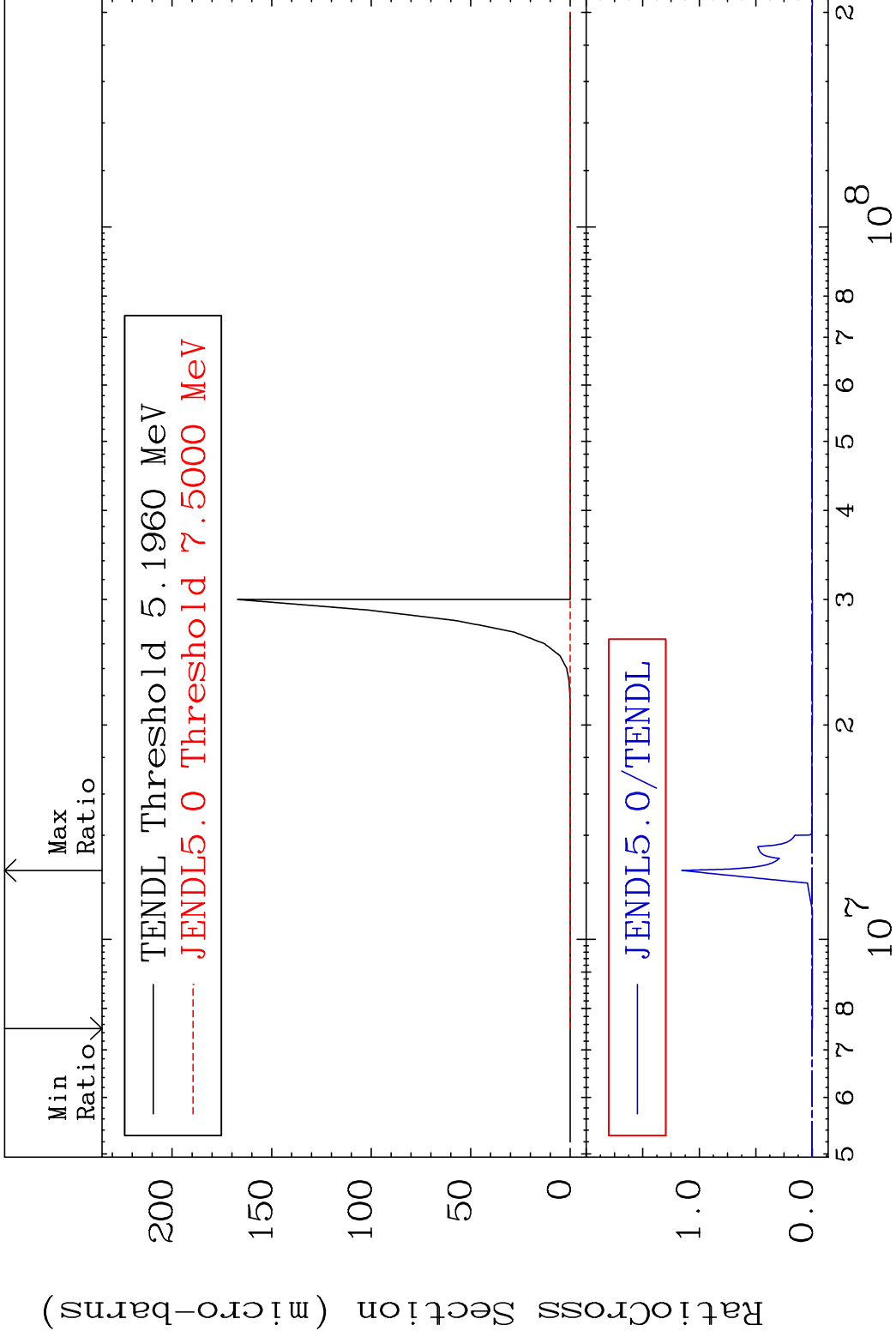
80-Hg-198

MAT 8031

(n, He-3)

80-Hg-198

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

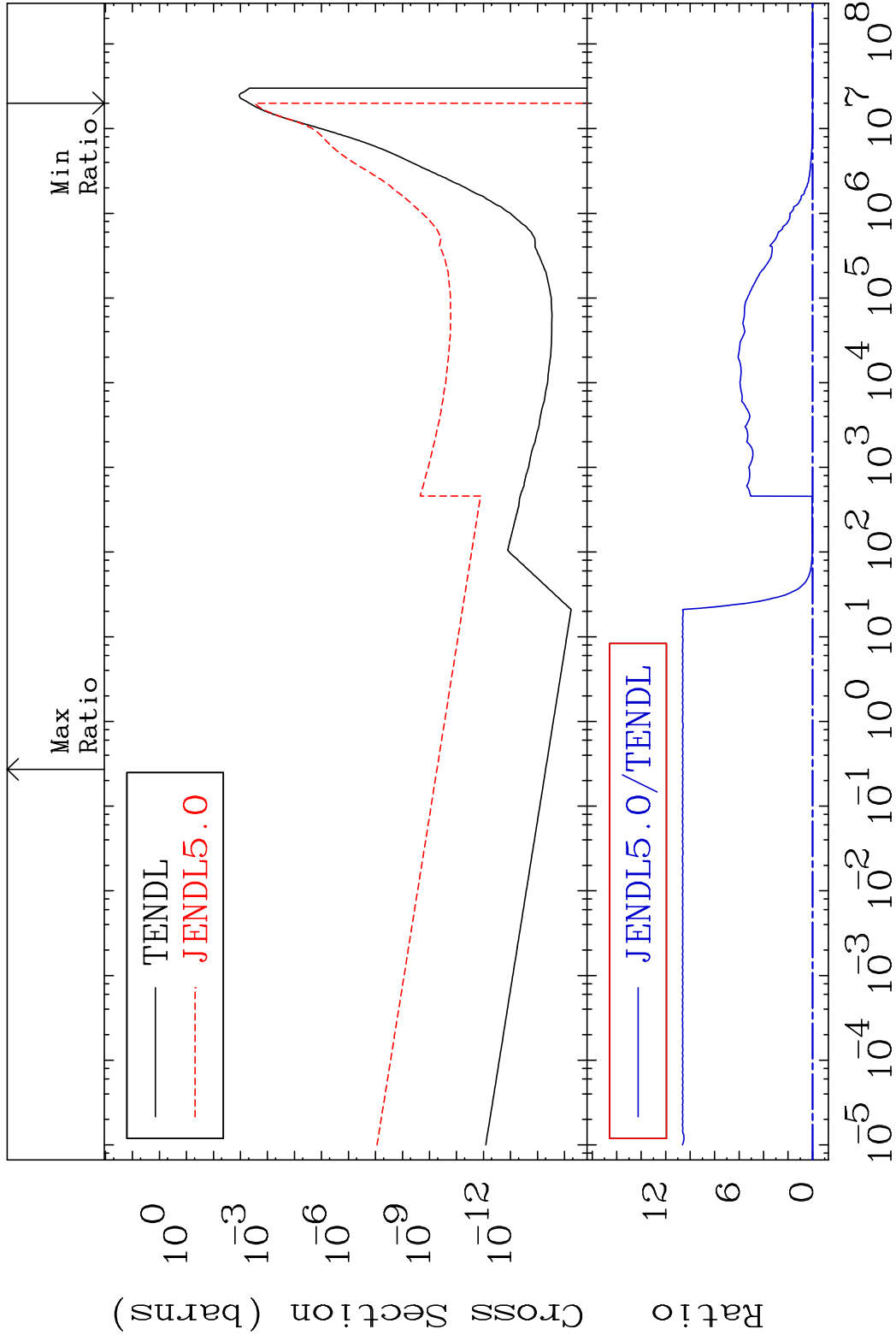
80-Hg-198

MAT 8031

(n, α)

80-Hg-198

Cross Section -100.0 To 9999. %

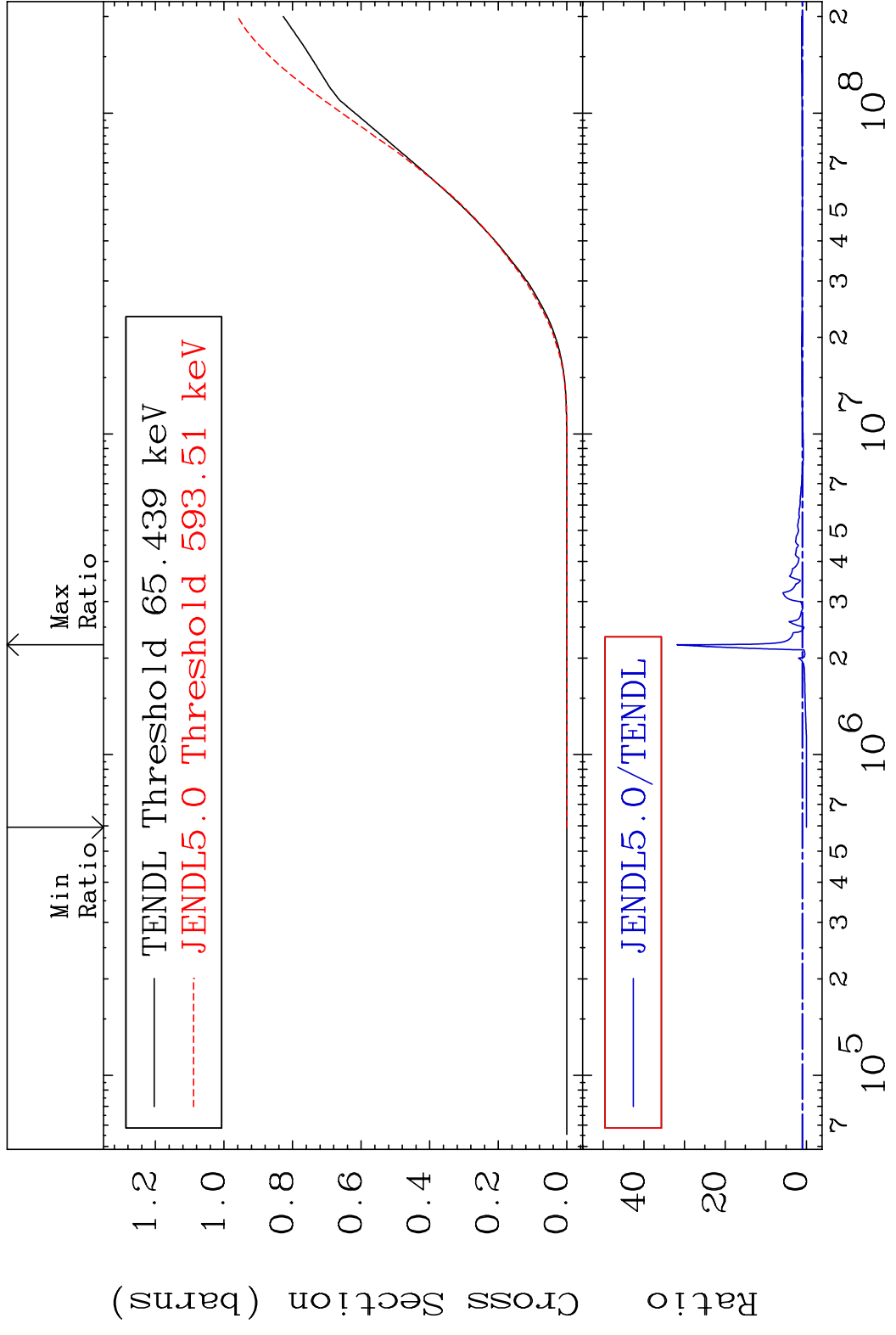


46

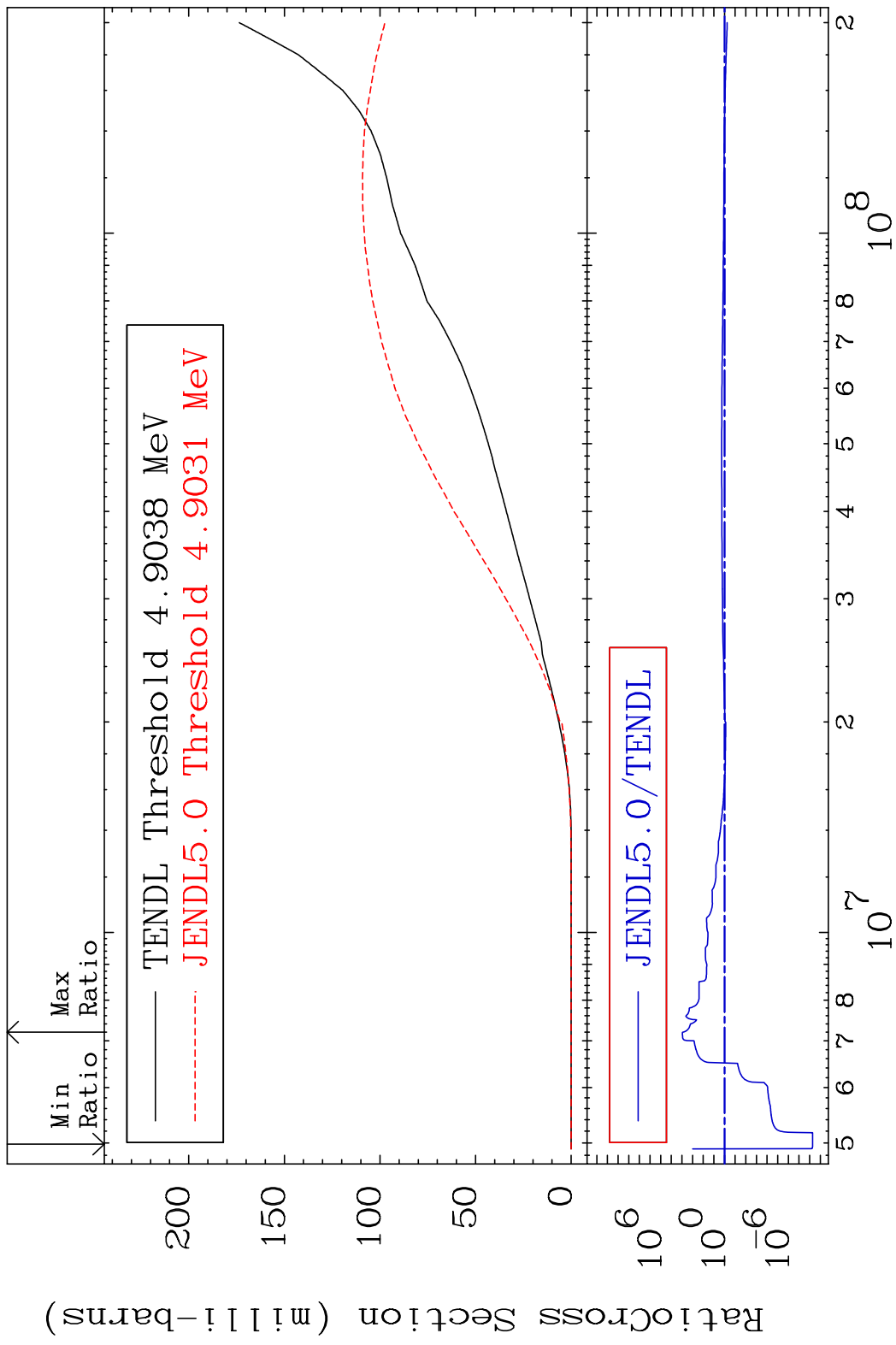
Incident Energy (eV)

80-Hg-198

MAT 8031 Hydrogen Production 80-Hg-198
 Cross Section -100.0 To 3080. %



MAT 8031 Deuterium Production 80-Hg-198
 Cross Section -100.0 To 9999. %

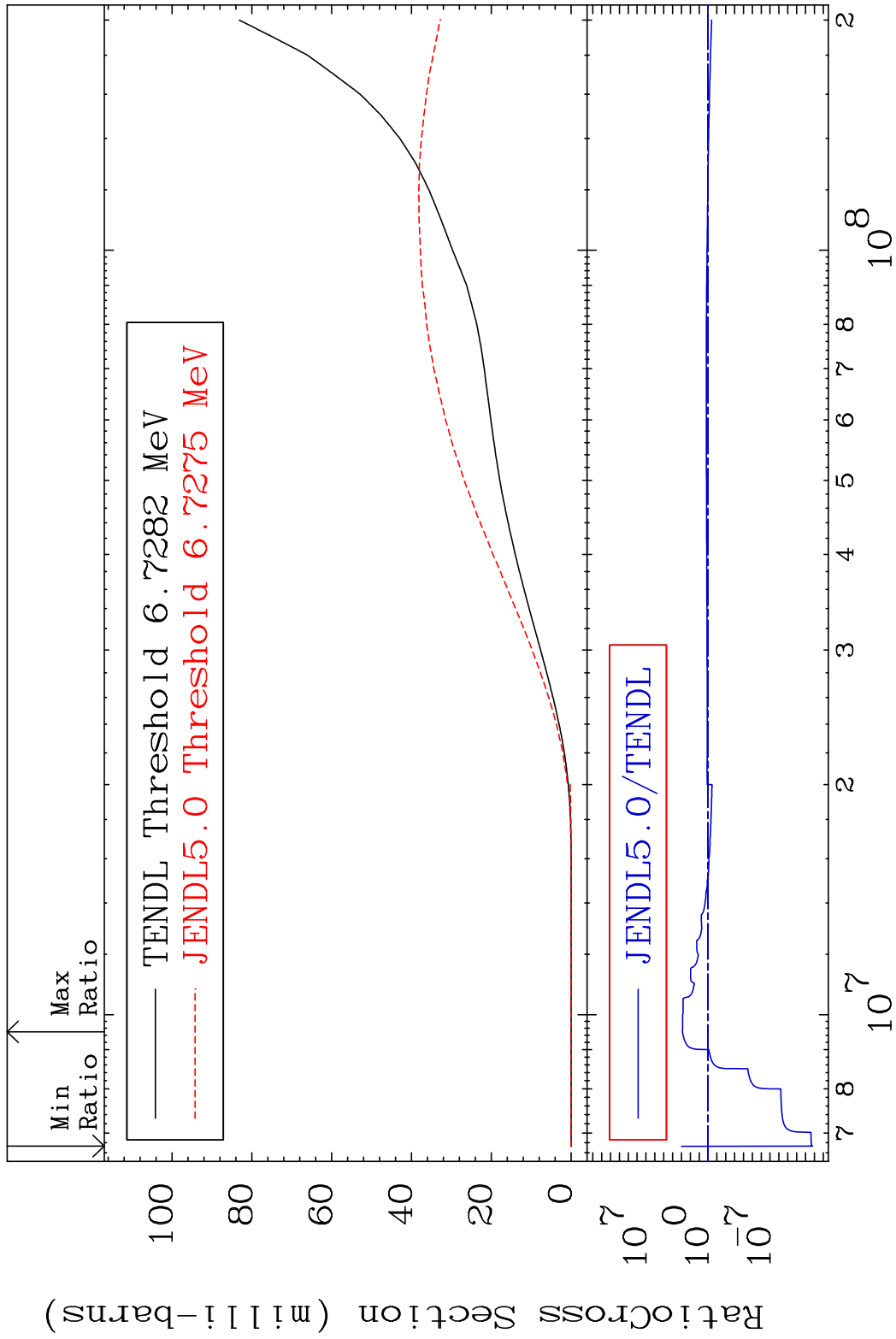


MAT 8031

Tritium Production

80-Hg-198

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

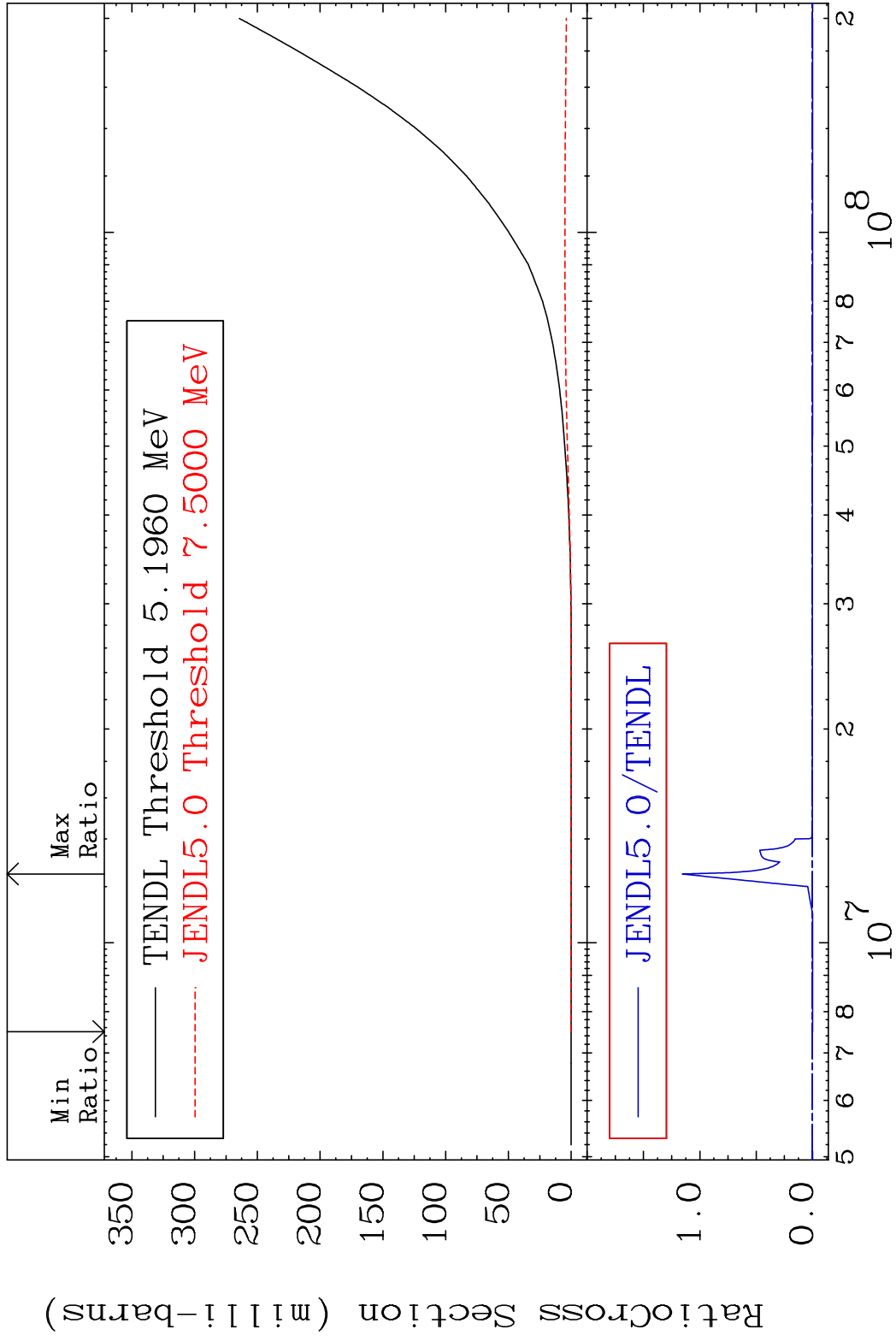
80-Hg-198

MAT 8031

He-3 Production

80-Hg-198

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

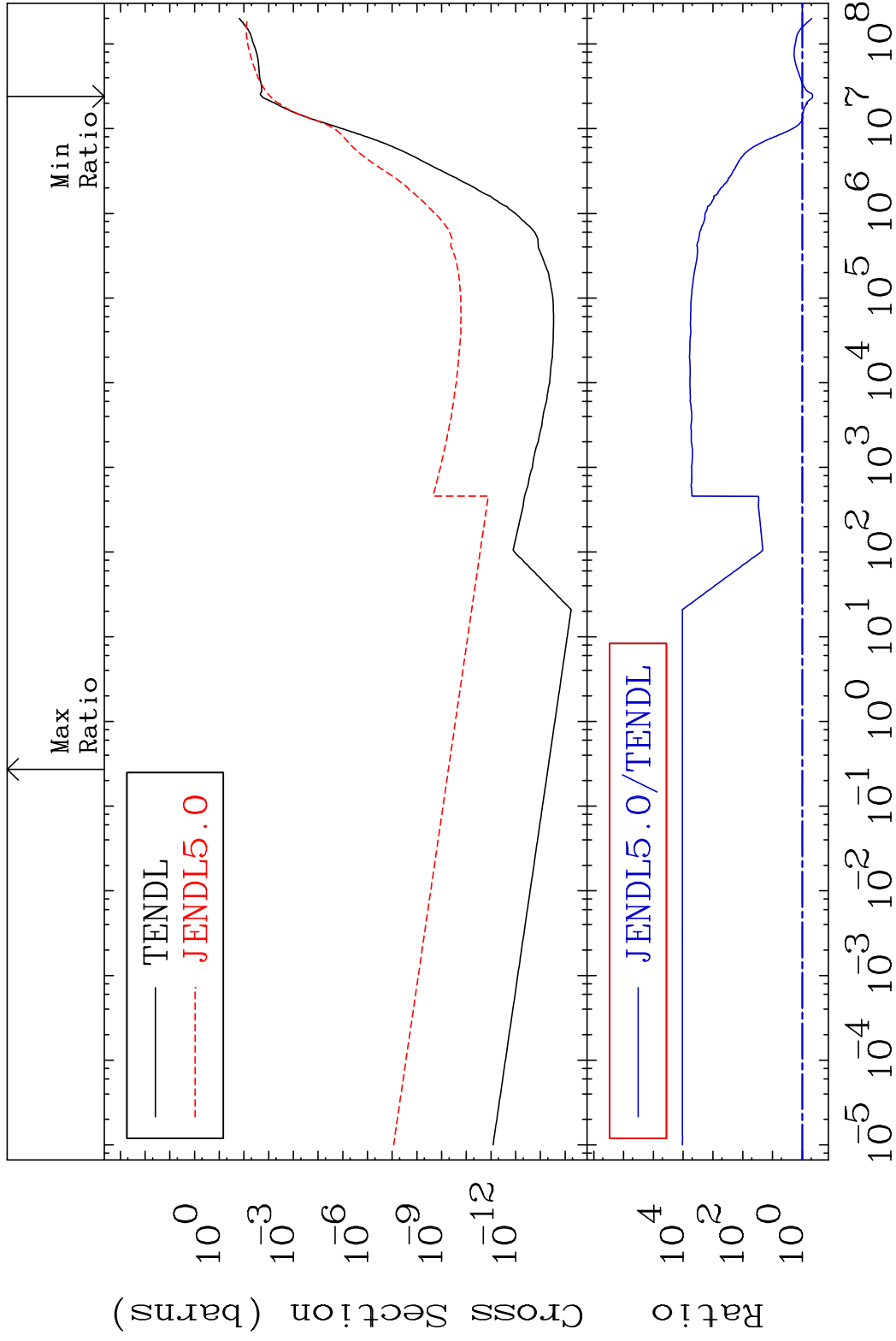
80-Hg-198

MAT 8031

He-4 Production

80-Hg-198

Cross Section -54.85 To 9999. %

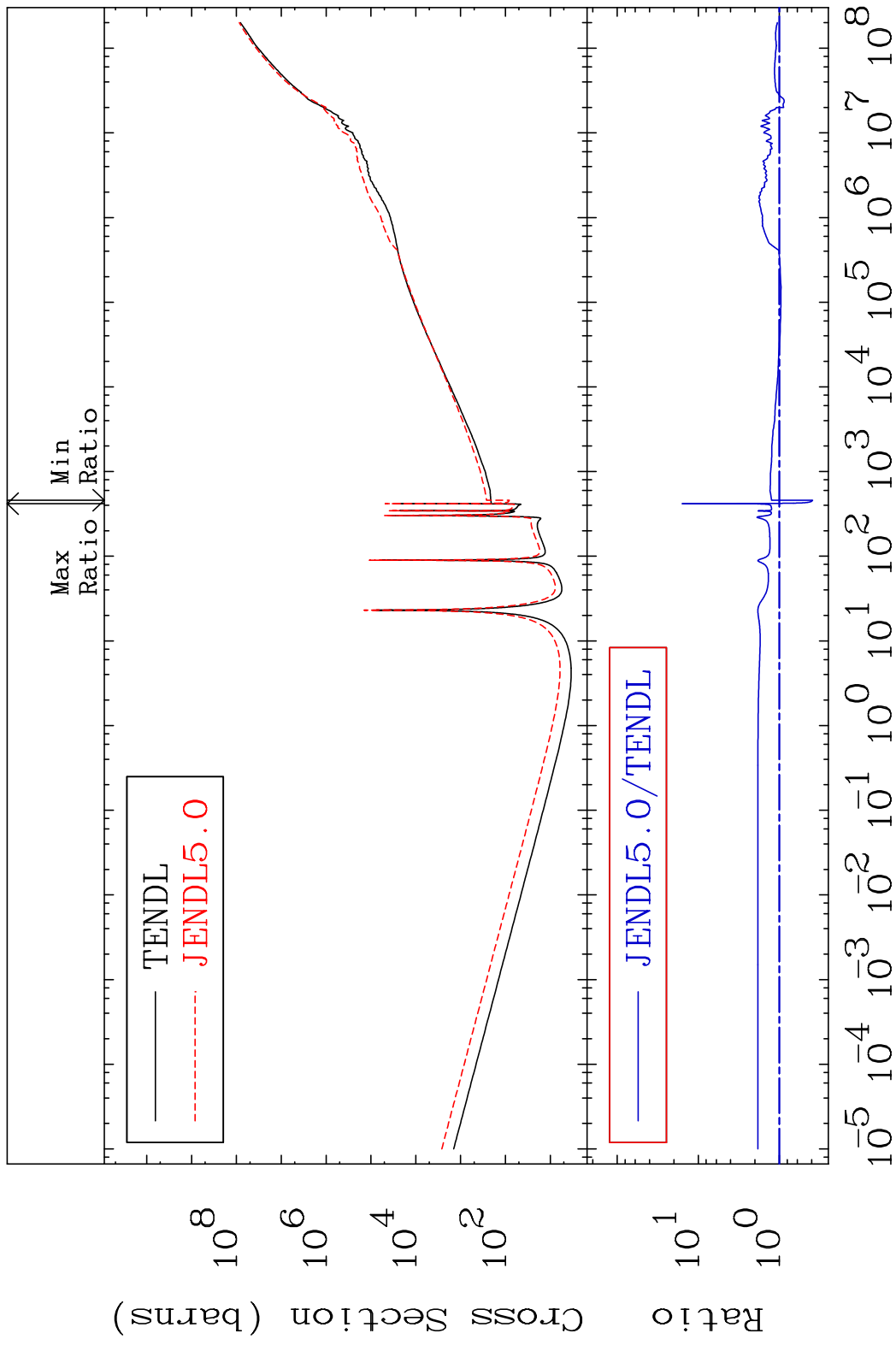


51

Incident Energy (eV)

80-Hg-198

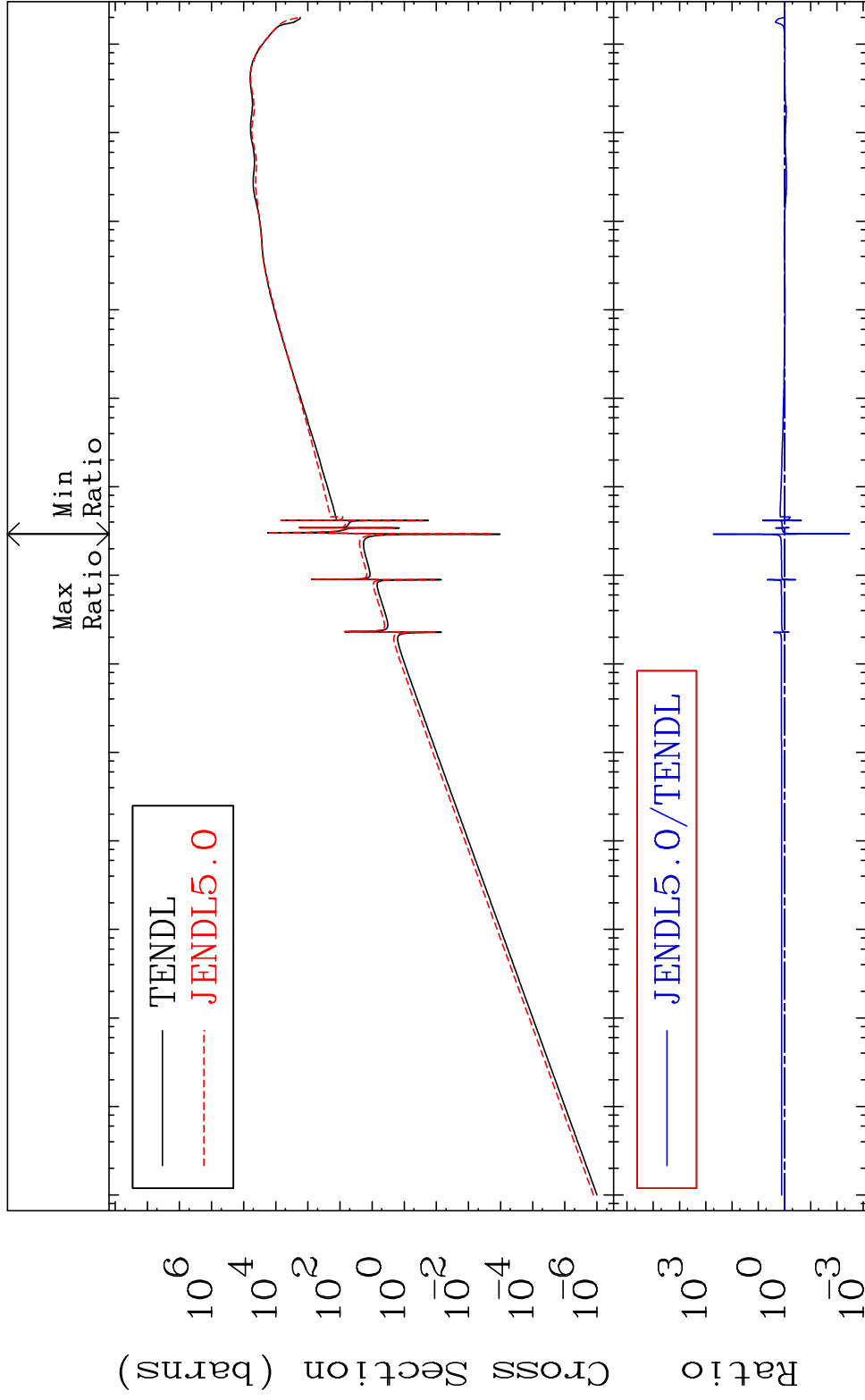
MAT 8031 Kerma total (eV-barns) 80-Hg-198
 Cross Section -61.06 To 1473. %



MAT 8031

Kerma elastic
Cross Section

80-Hg-198
-99.66 To 9999. %

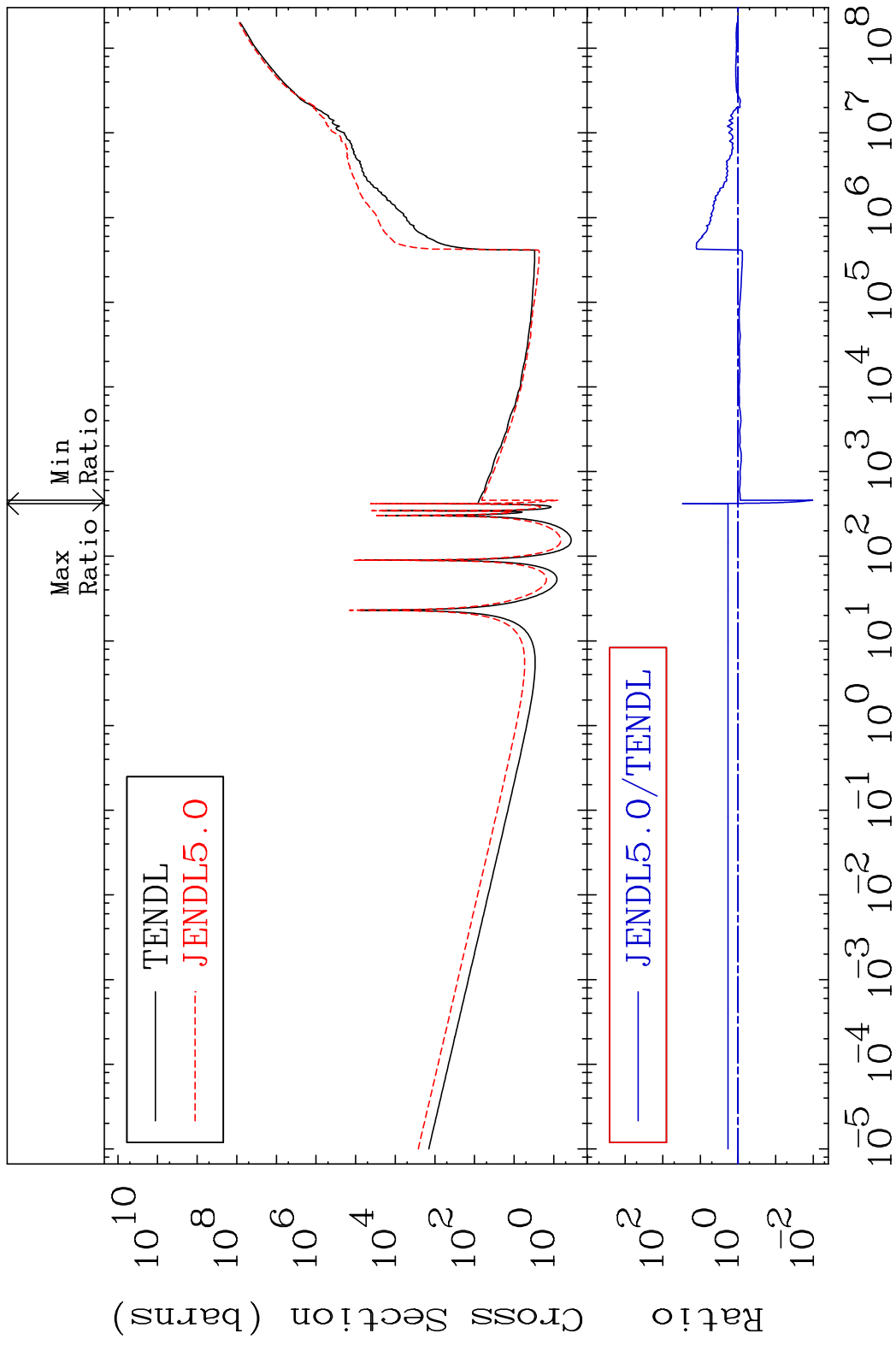


53

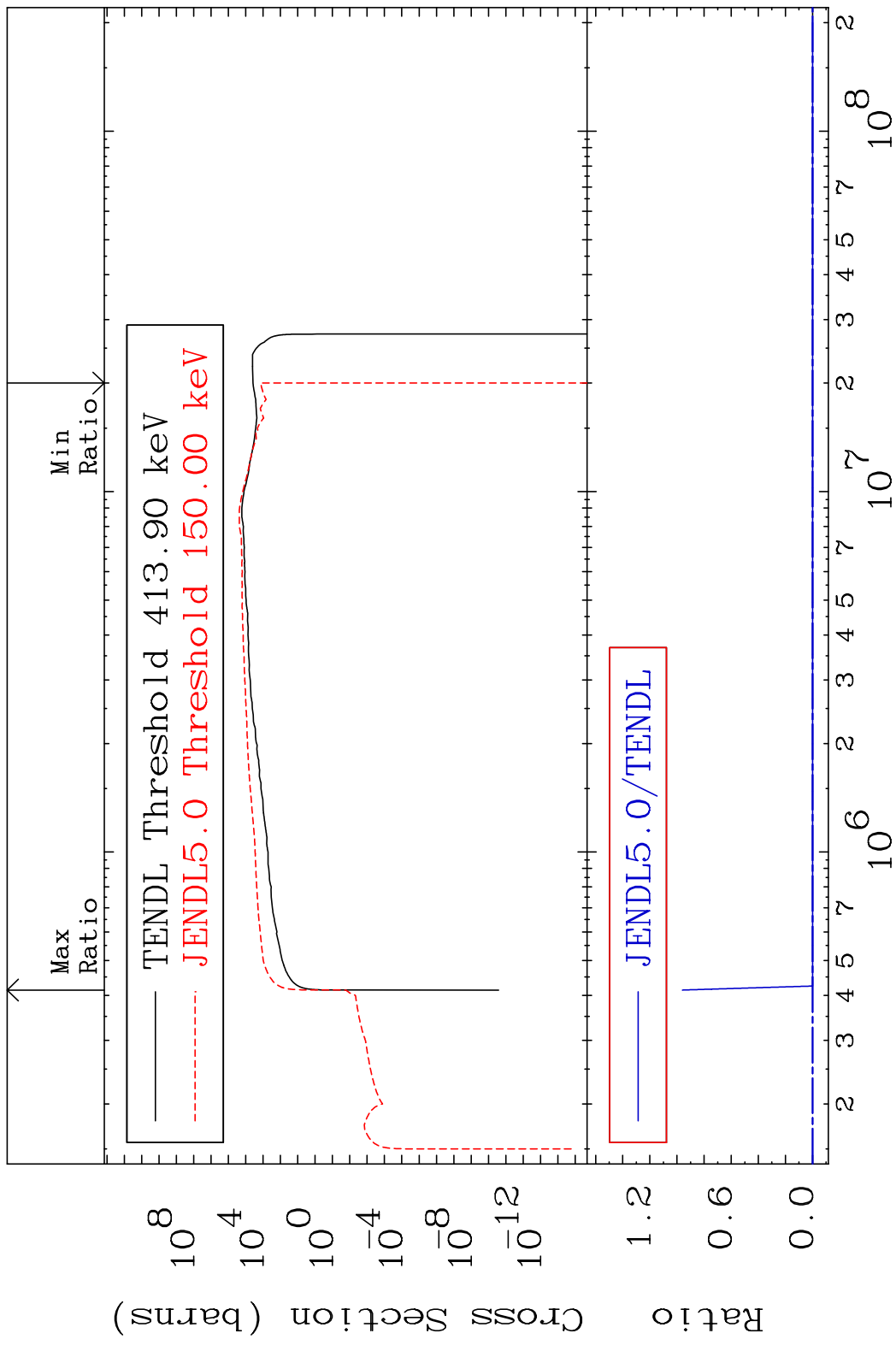
Incident Energy (eV)

80-Hg-198

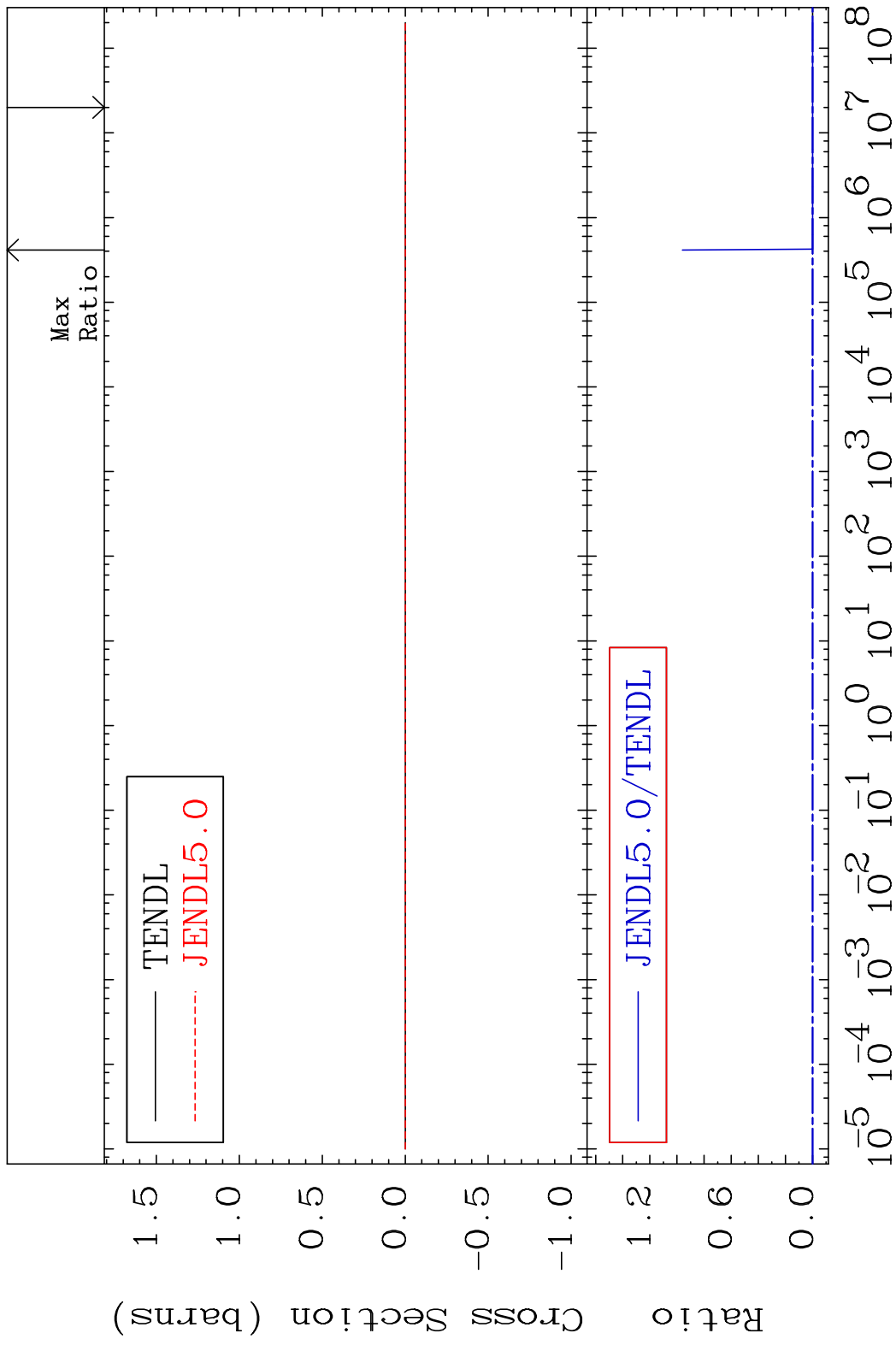
MAT 8031 Kerma non-elastic (all but mt2) 80-Hg-198
 Cross Section -98.96 To 2912. %



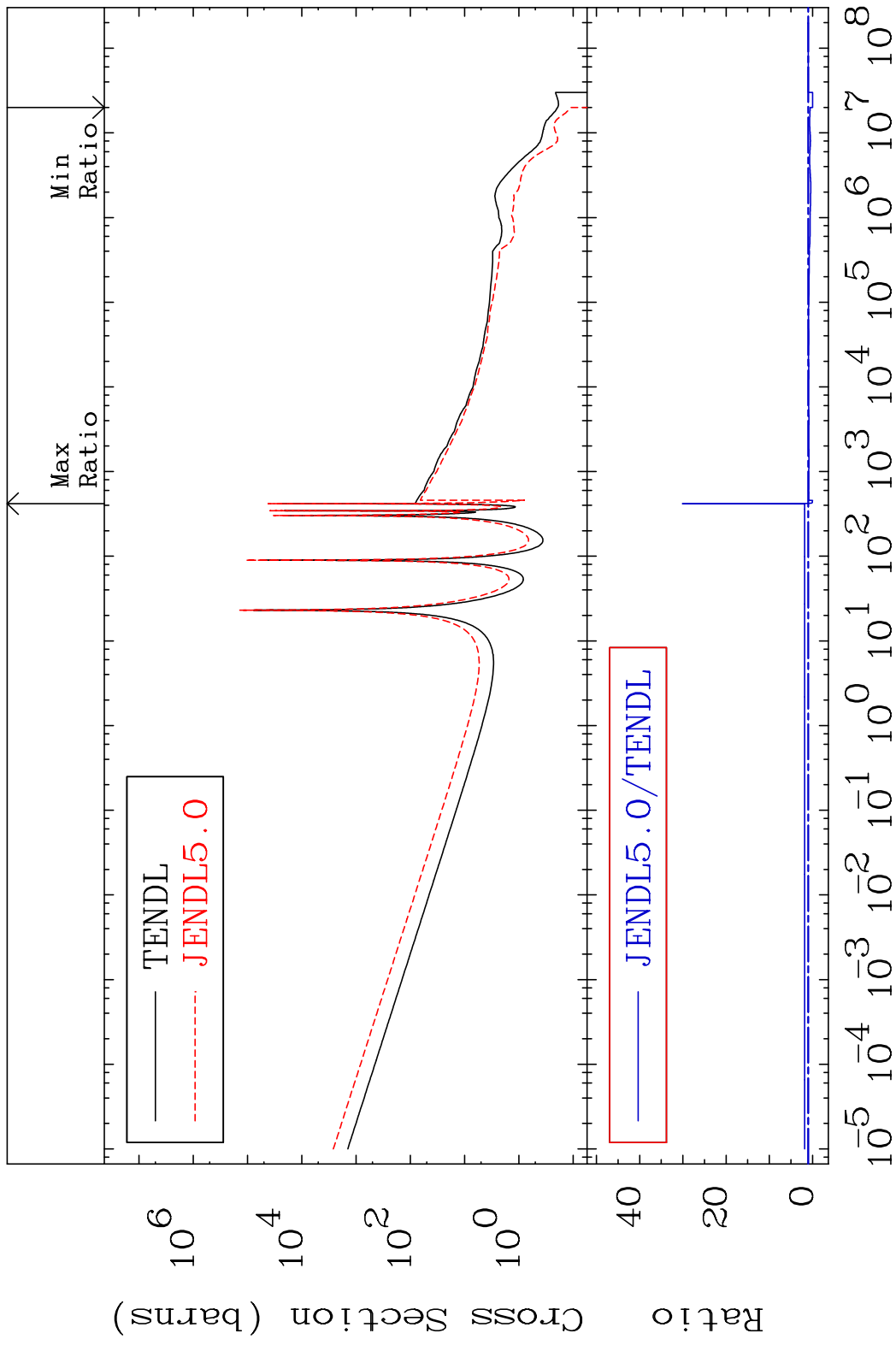
MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198
 Cross Section -100.0 To 9999. %



MAT 8031 Kerma fission (mt18 or mt19-20-21-38)80-Hg-198
 Cross Section -100.0 To 9999. %

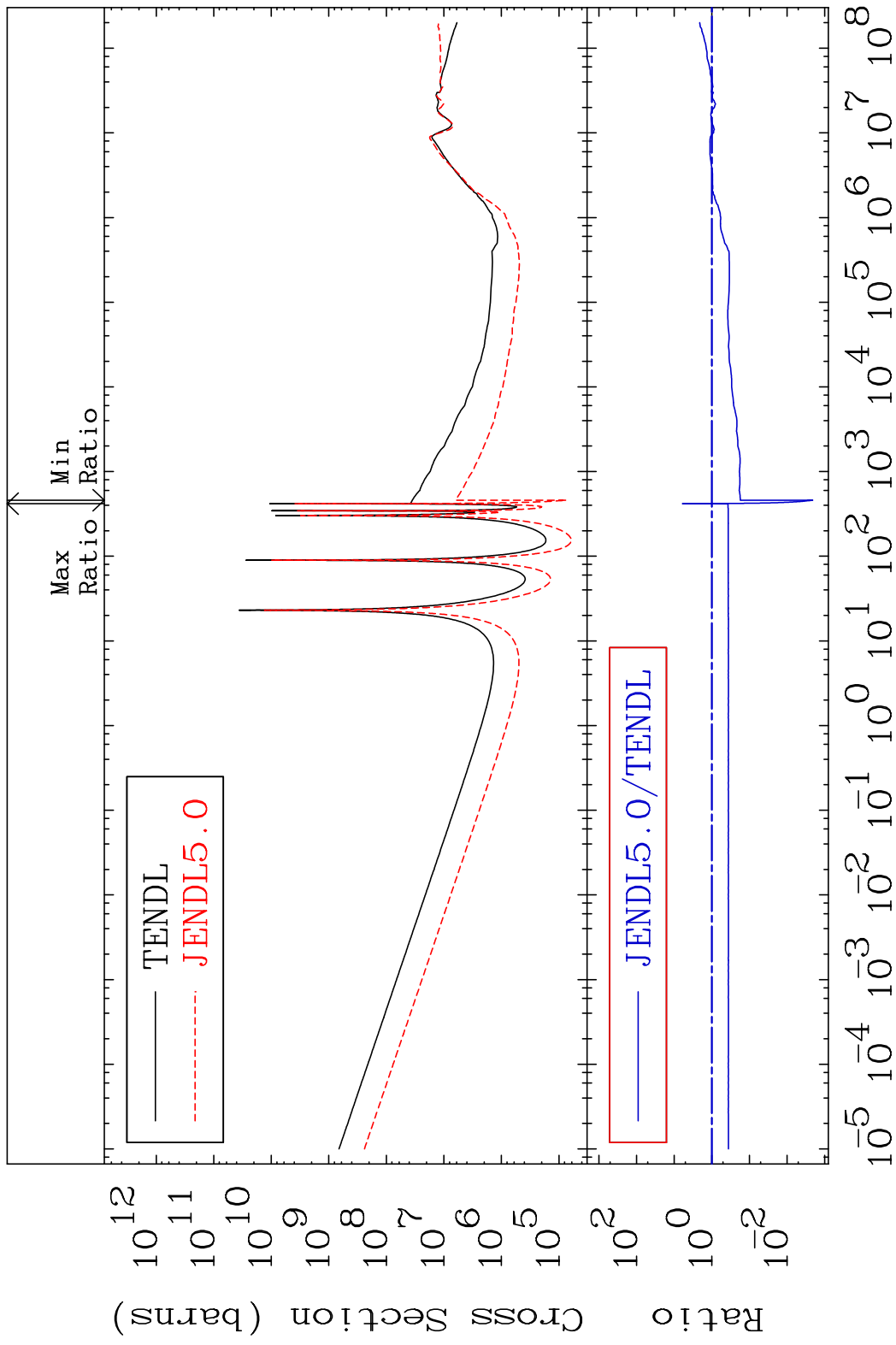


MAT 8031 Kerma capture (mt102) 80-Hg-198
 Cross Section -100.0 To 2912. %



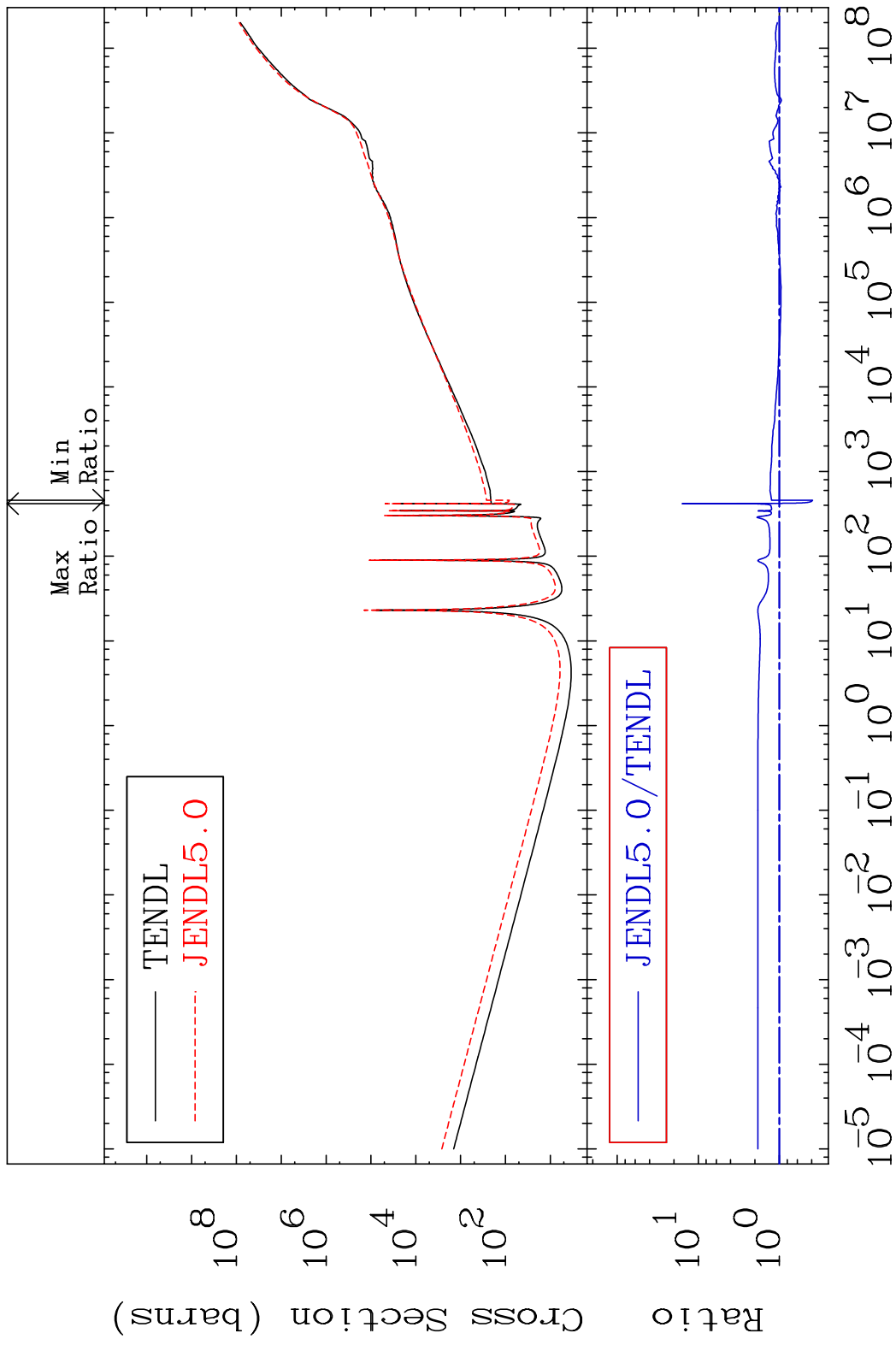
57 Incident Energy (eV) 80-Hg-198

MAT 8031 Total photon (eV-barns) 80-Hg-198
 Cross Section -99.79 To 503.9 %

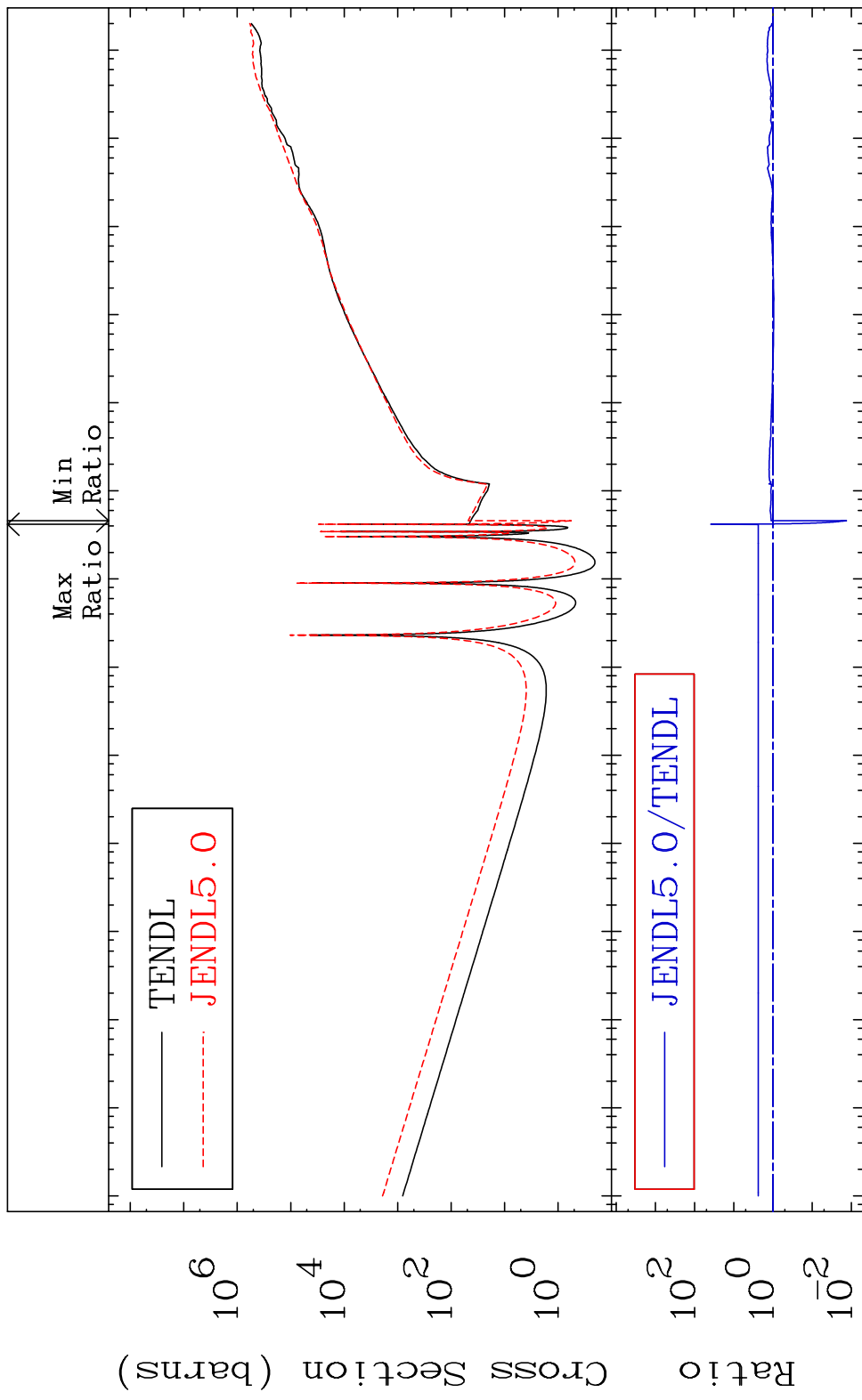


58 Incident Energy (eV) 80-Hg-198

MAT 8031 Total kinematic kerma (high limit) 80-Hg-198
 Cross Section -61.06 To 1473. %



MAT 8031 Dpa total (eV-barns) 80-Hg-198
 Cross Section -98.66 To 3777. %



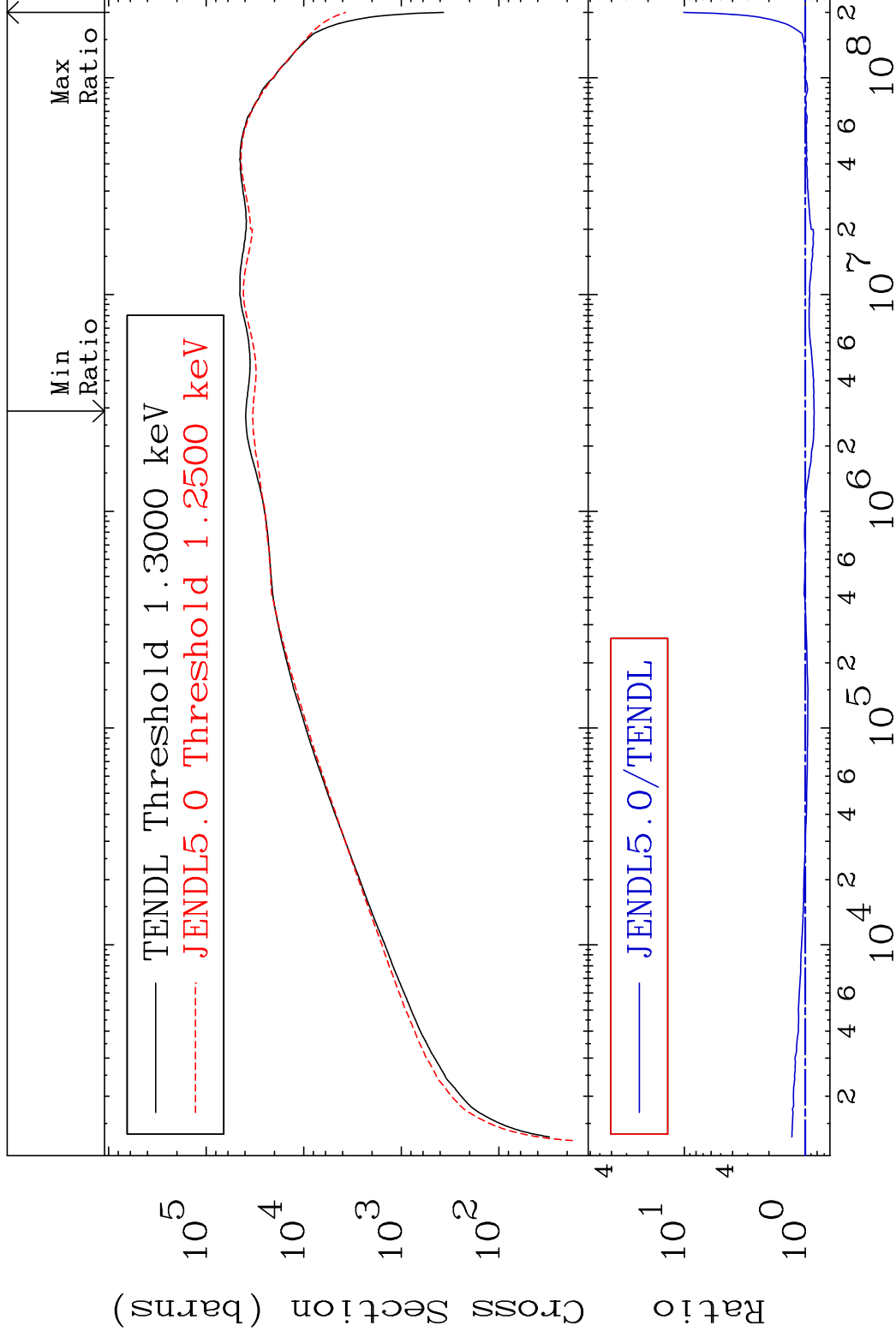
60 Incident Energy (eV) 80-Hg-198

MAT 8031

Dpa elastic (mt2)

80-Hg-198

Cross Section -15.34 To 913.5 %

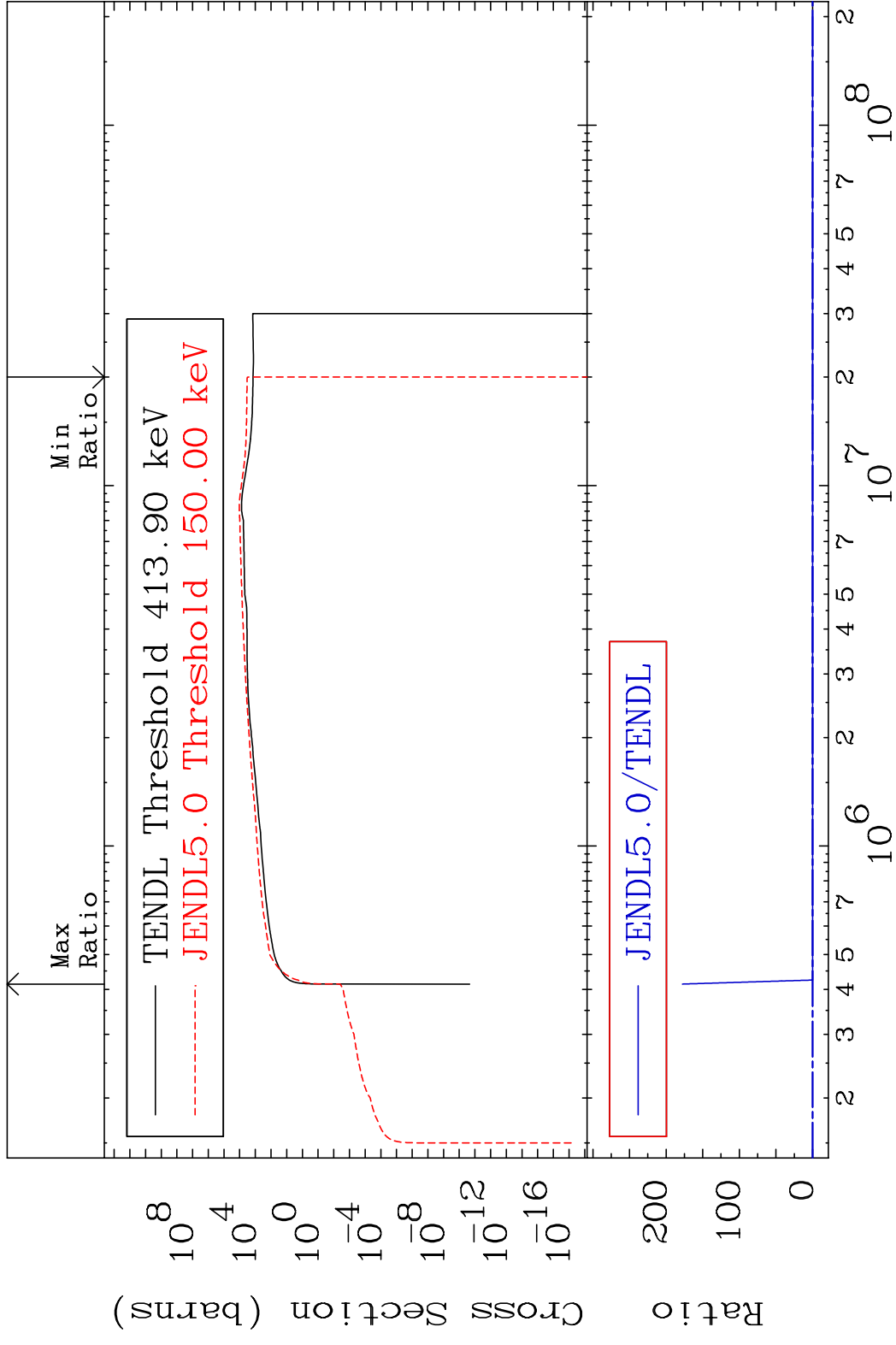


61

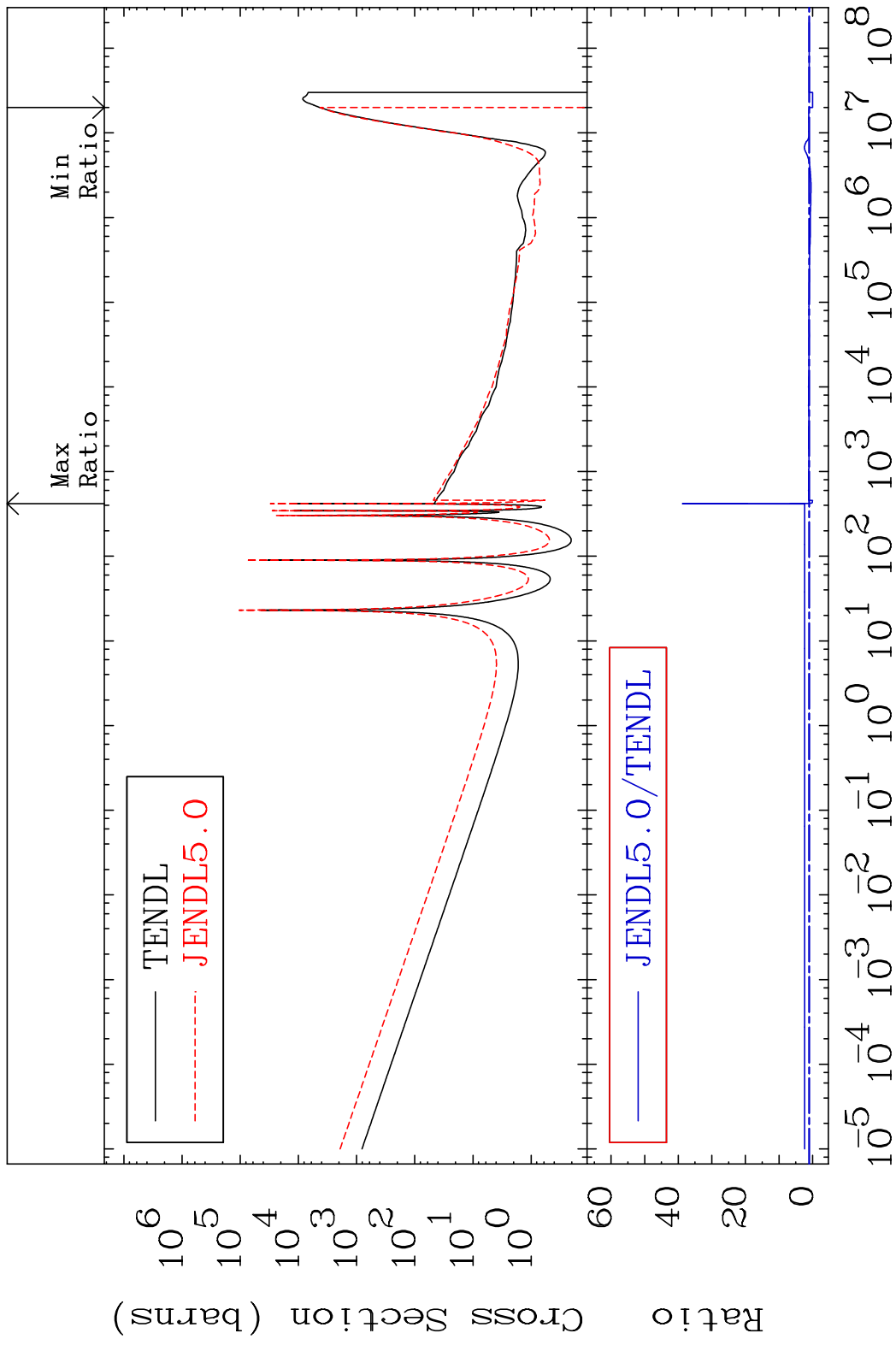
Incident Energy (eV)

80-Hg-198

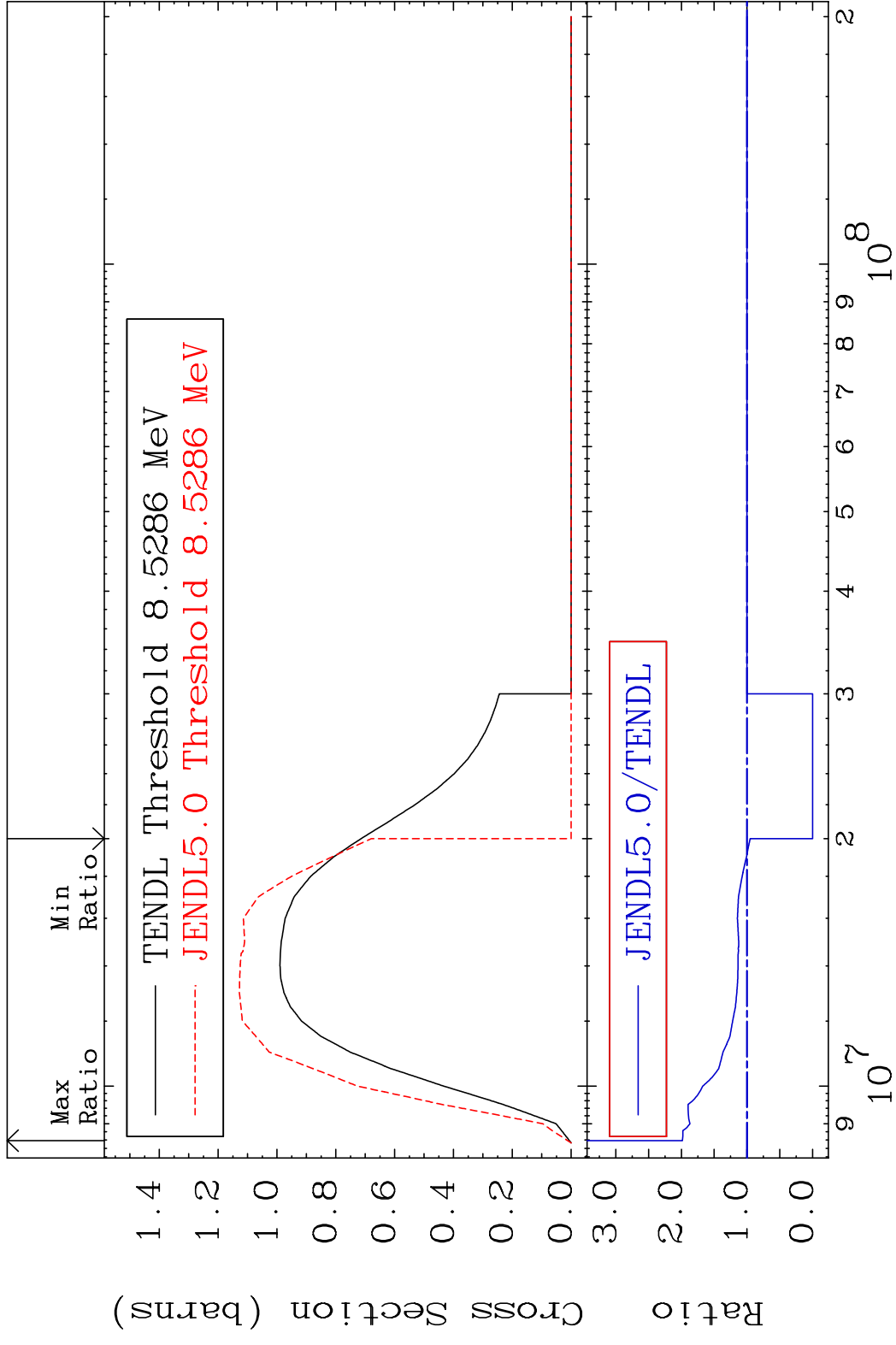
MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198
 Cross Section -100.0 To 9999. %



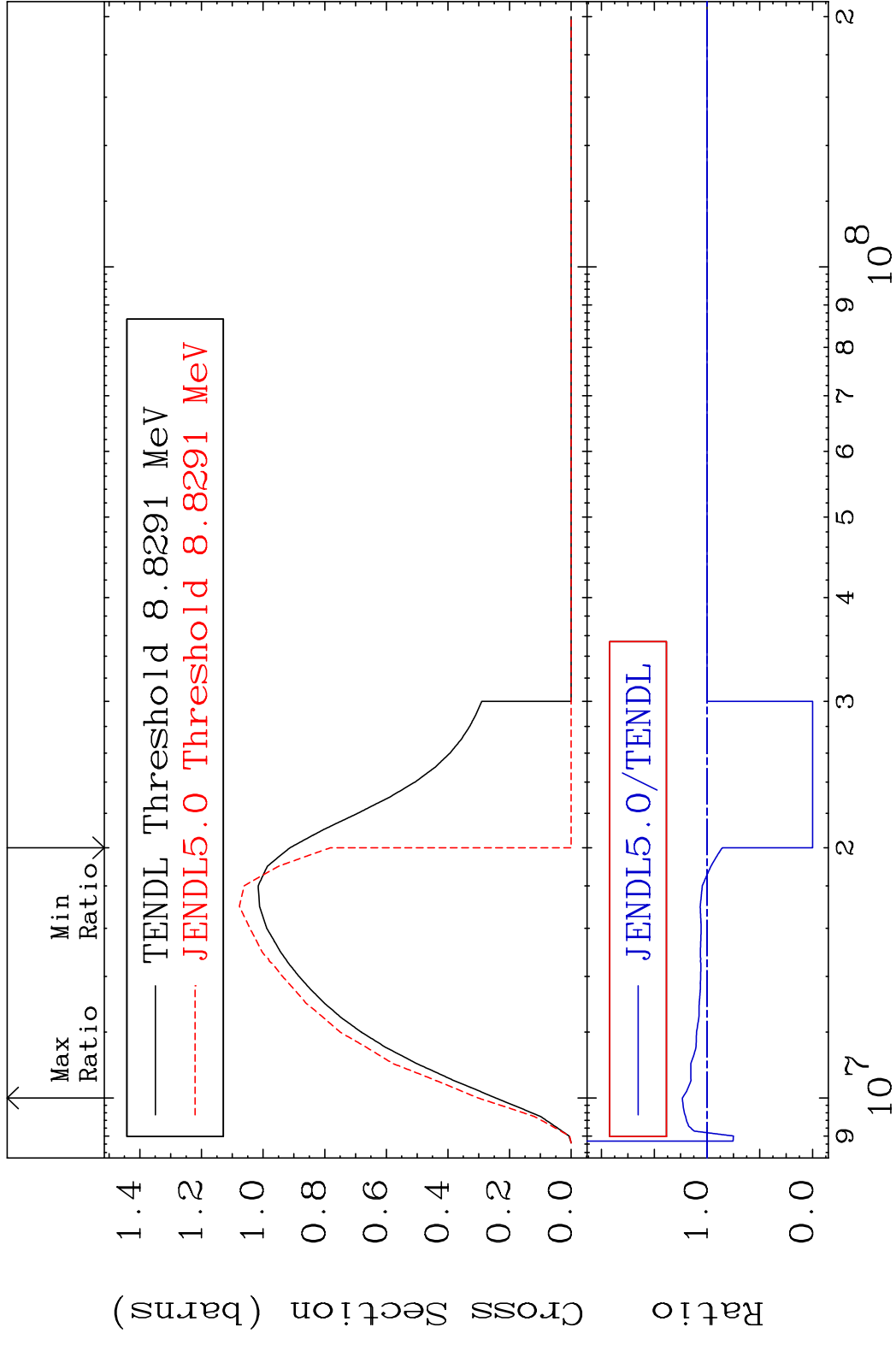
MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -100.0 To 3777. %



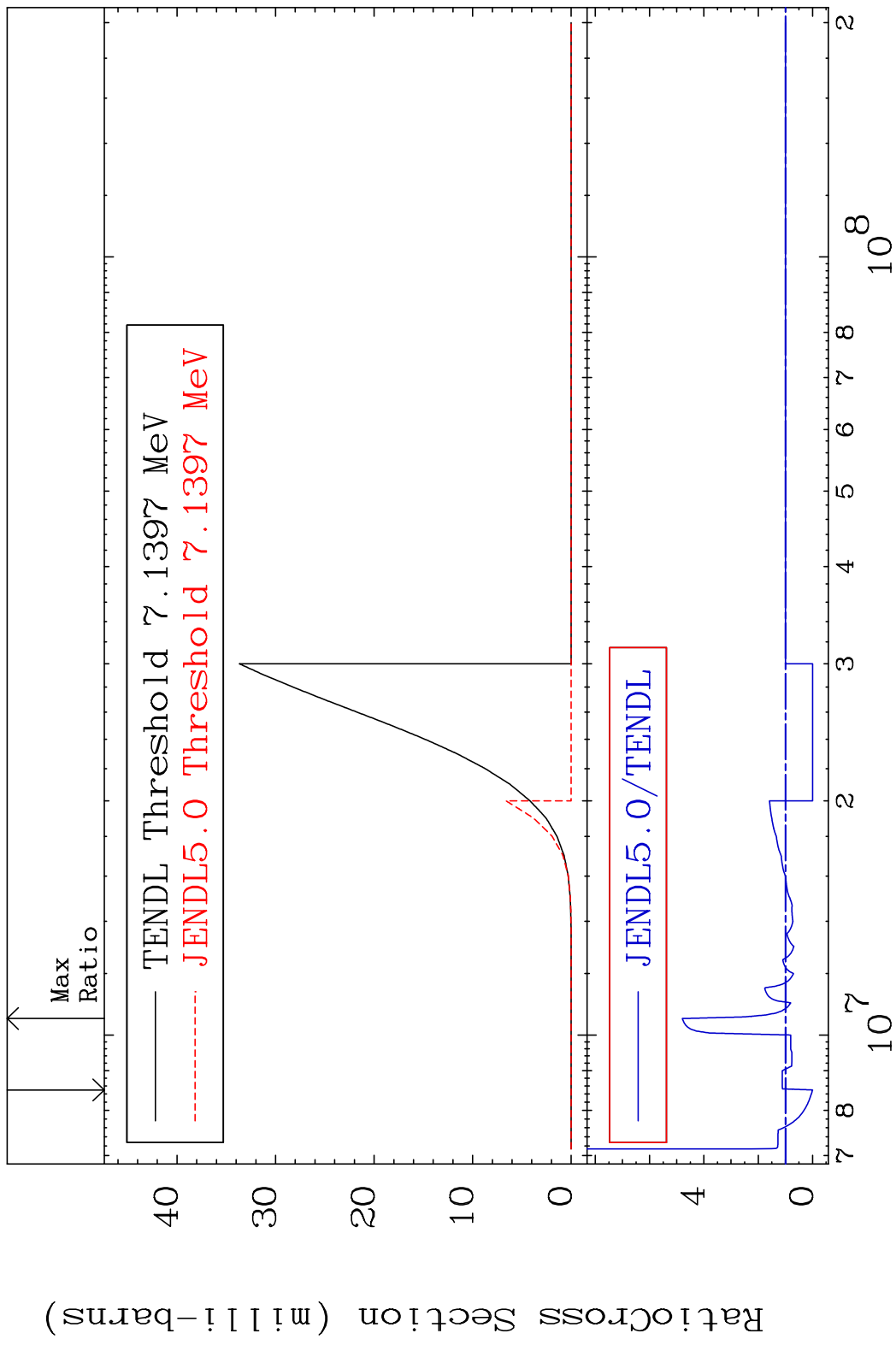
MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section Ratio 98.55 %

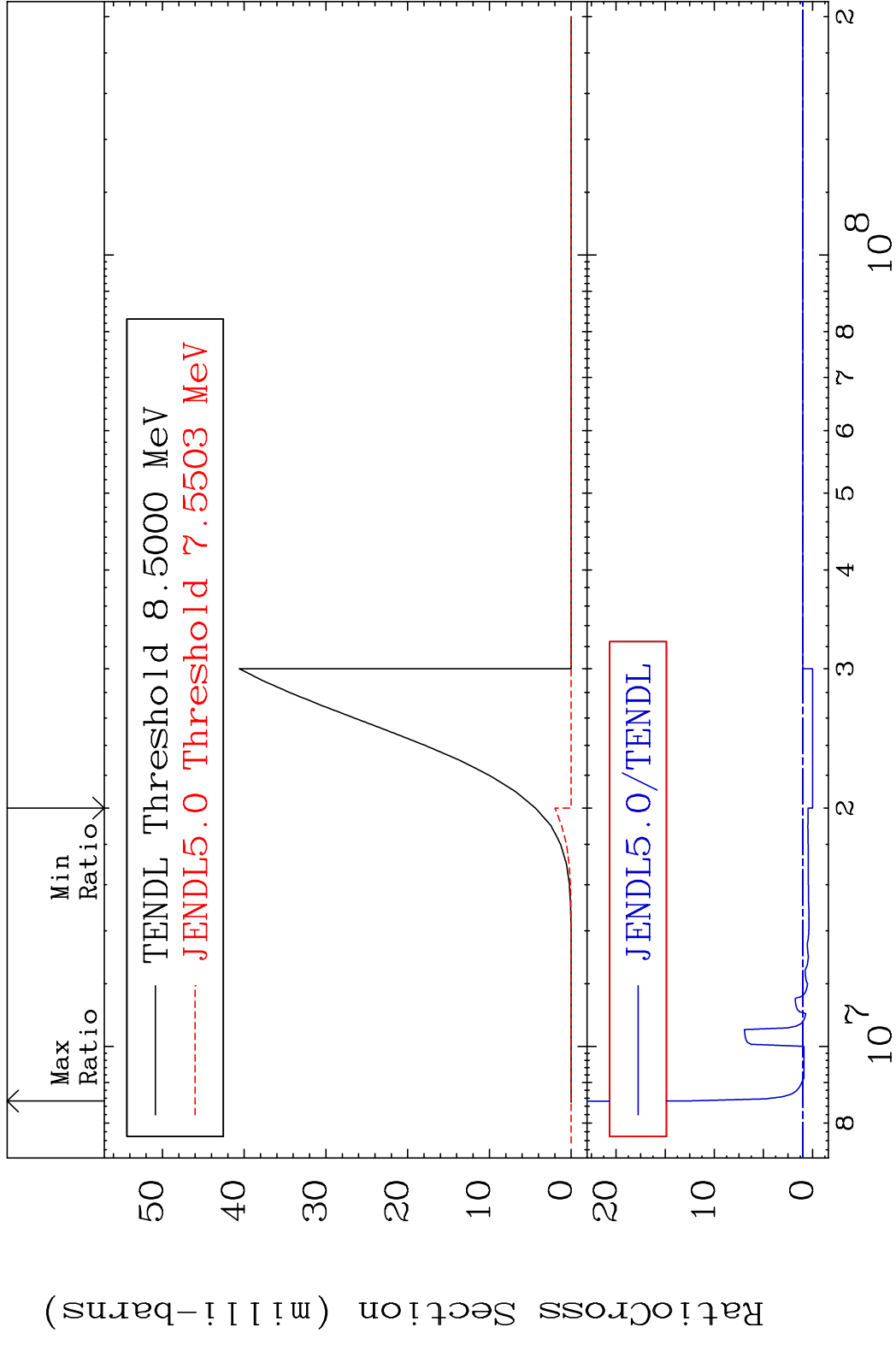


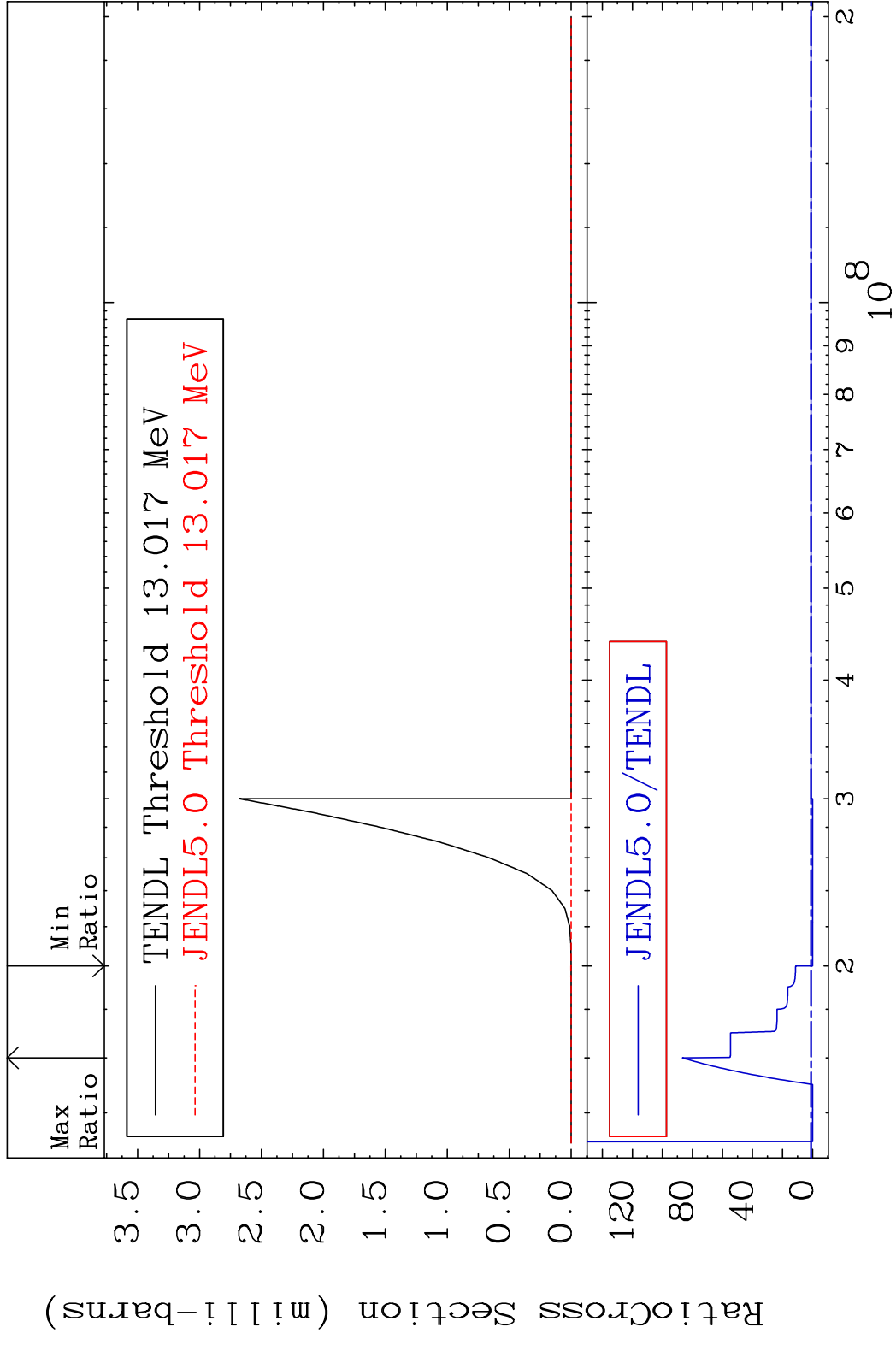
MAT 8031 (n, 2n):80-Hg-197m4 80-Hg-198
 Radionuclide Production Cross Section Ratio 23.39 %

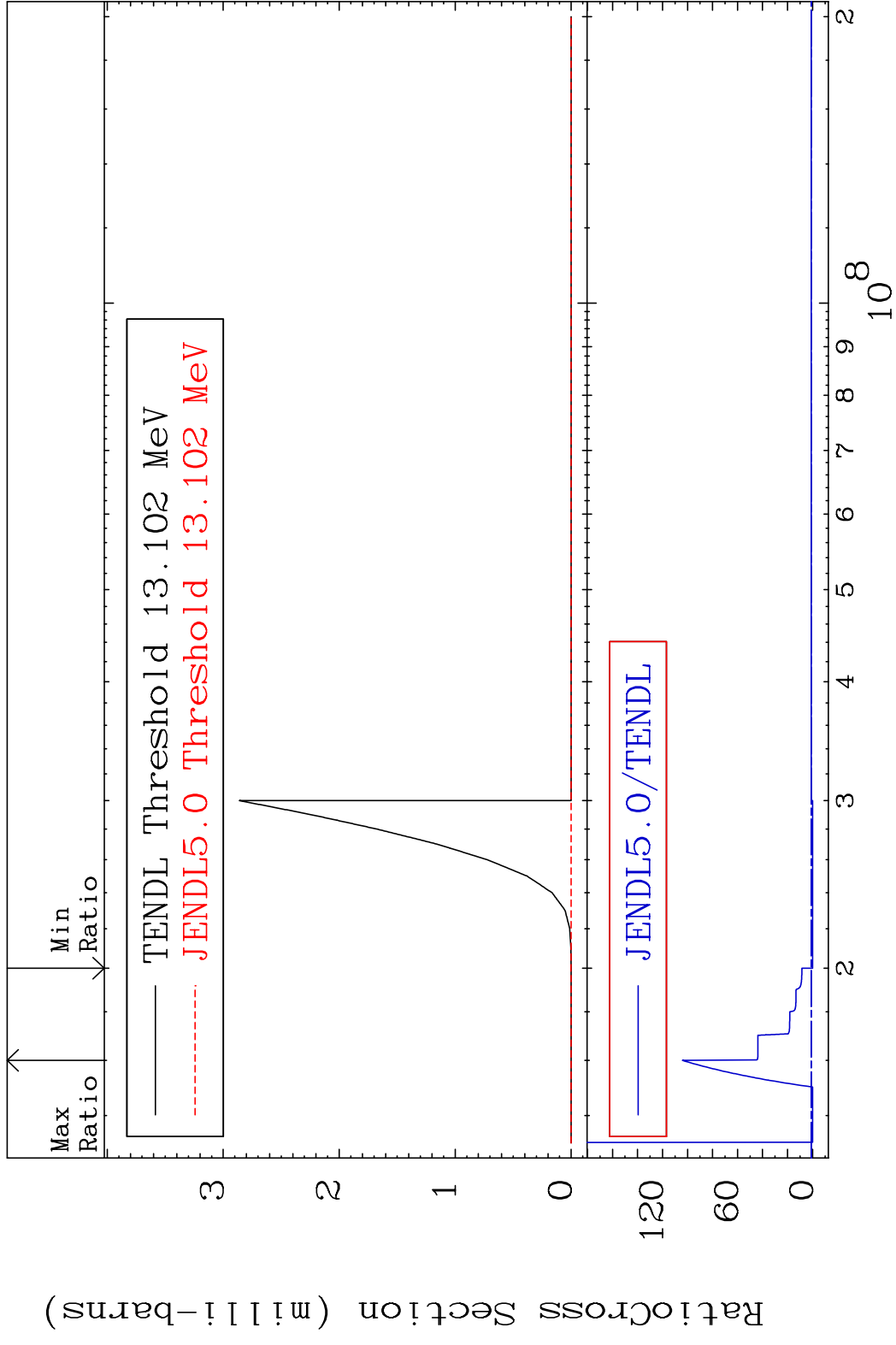


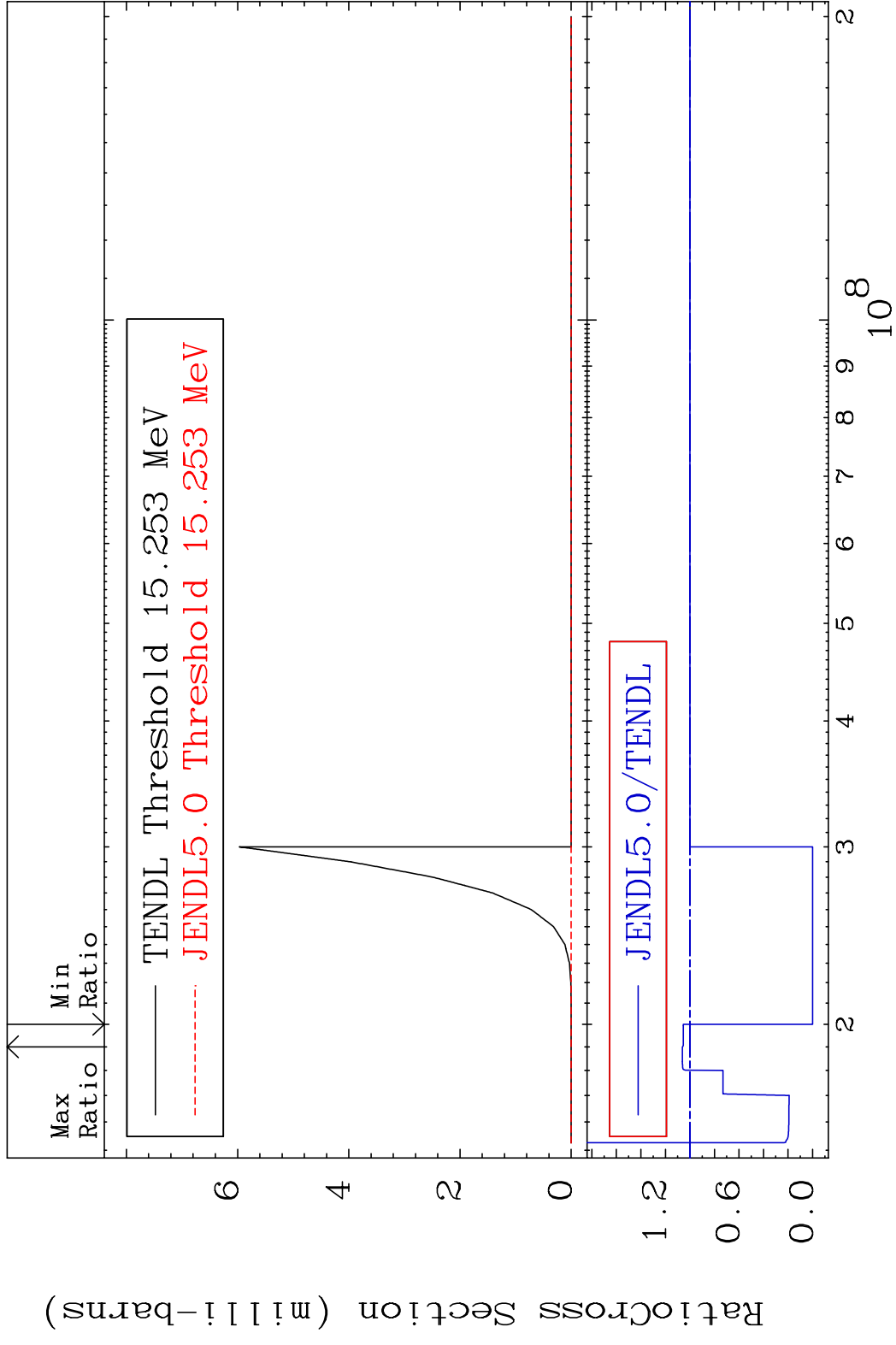
MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 180.0 dth 379.4 %

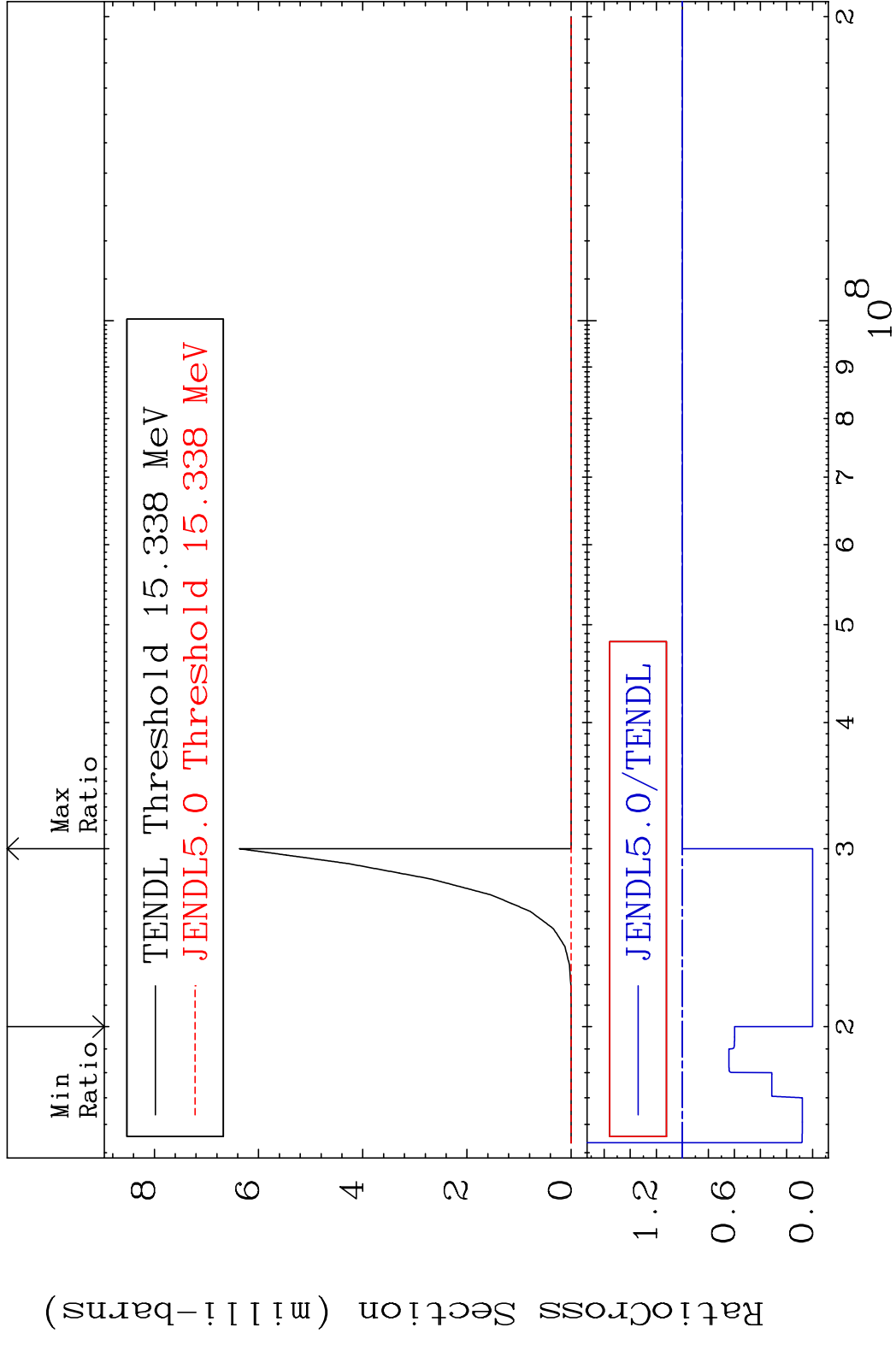


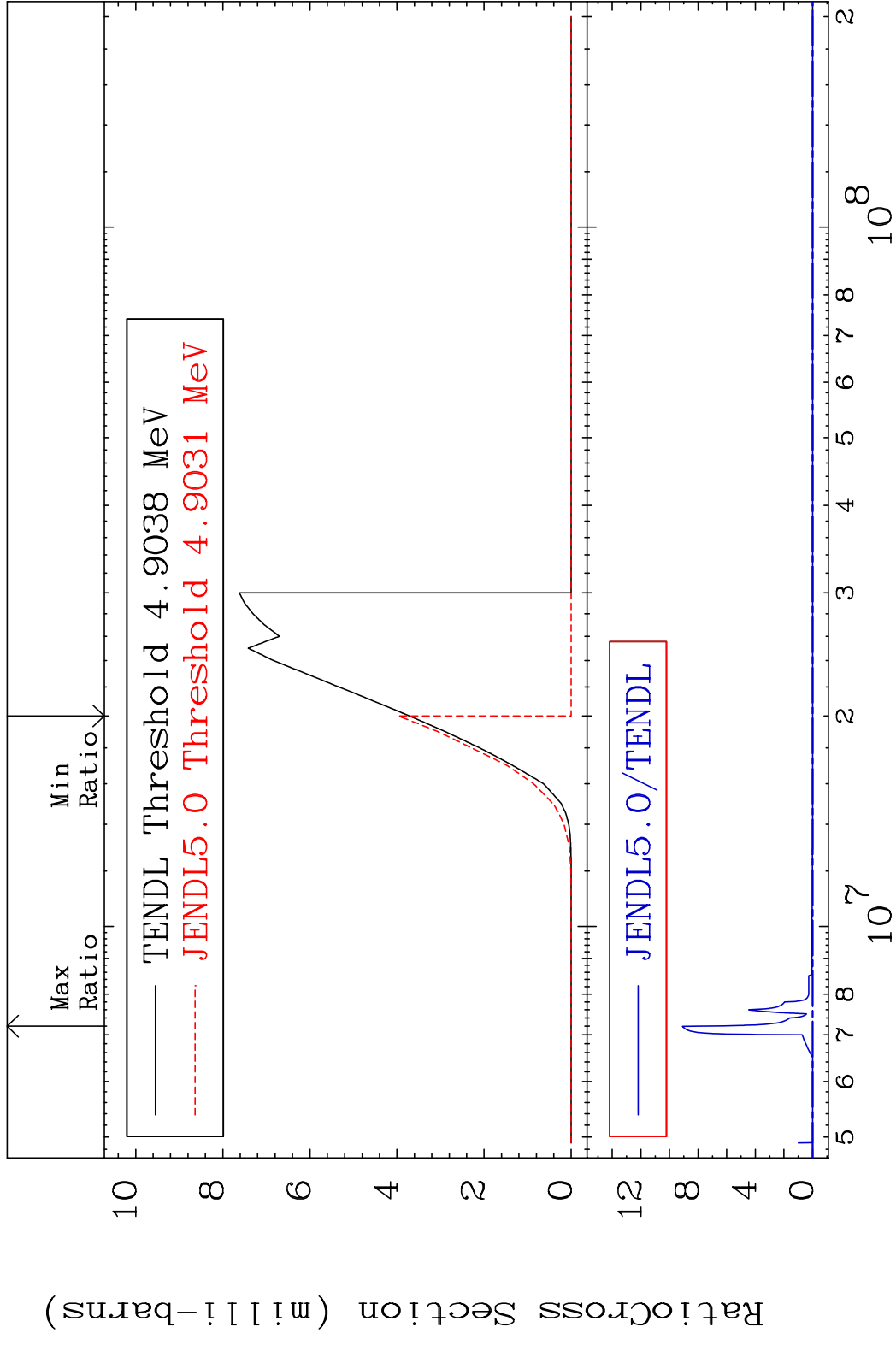


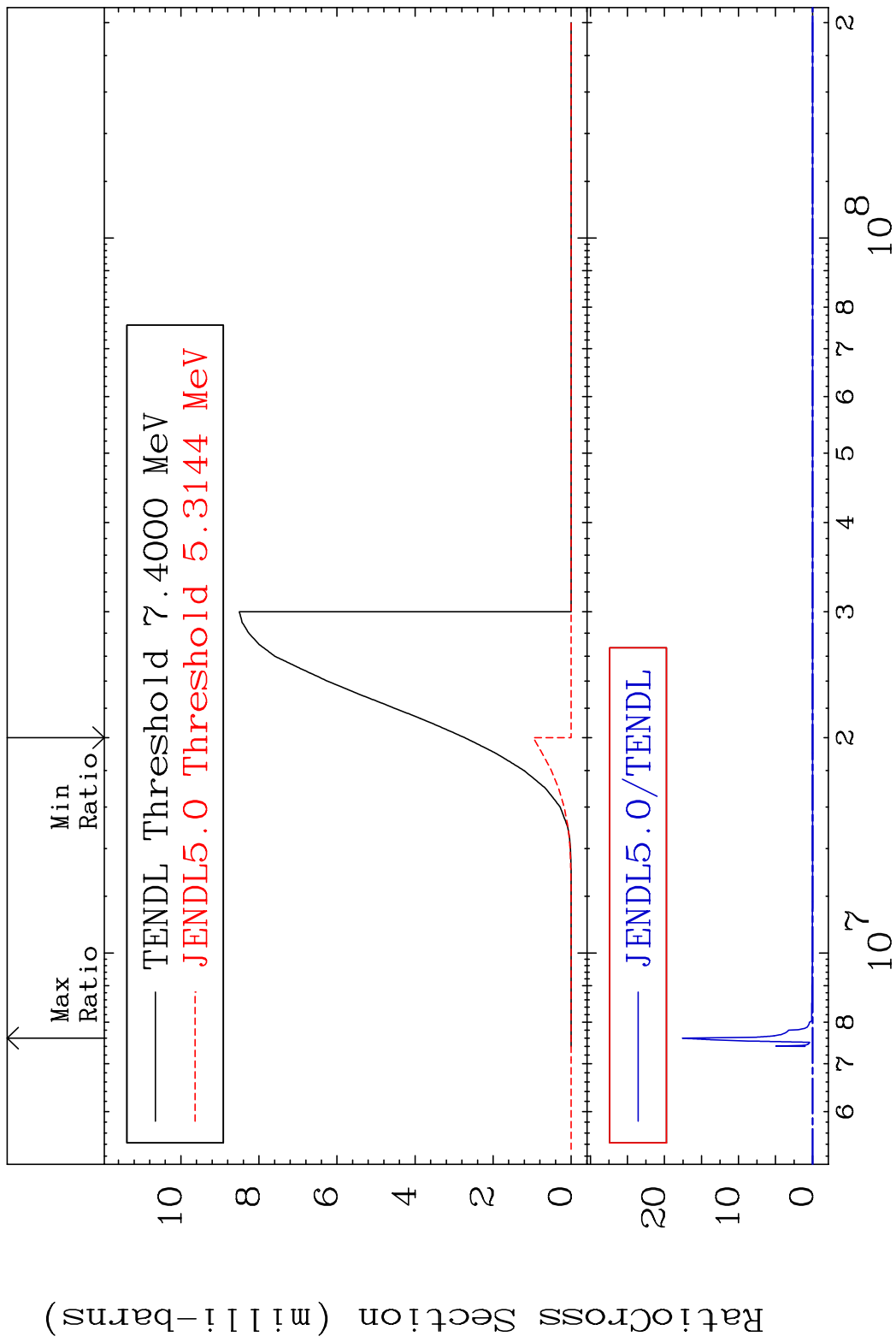


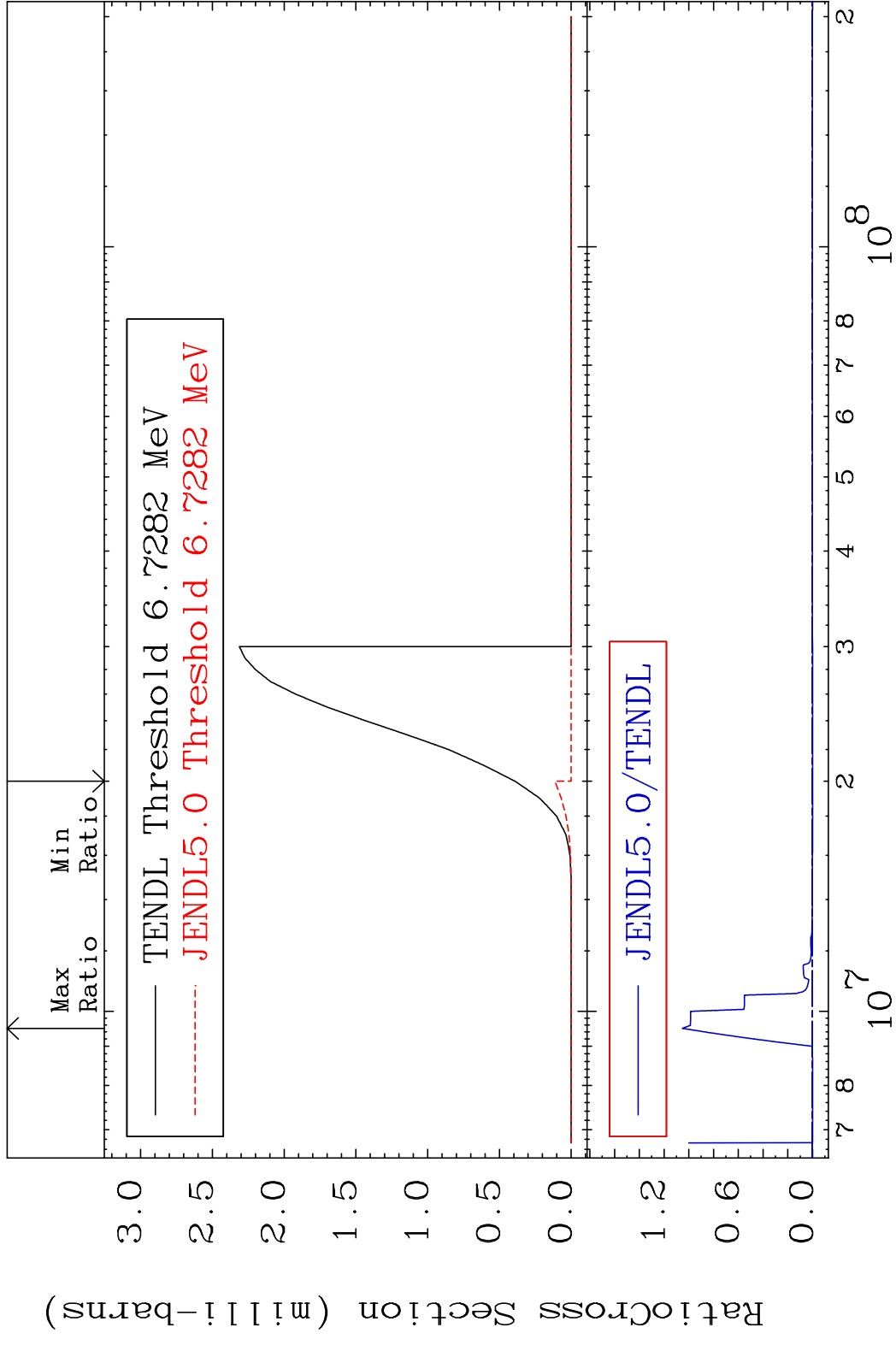




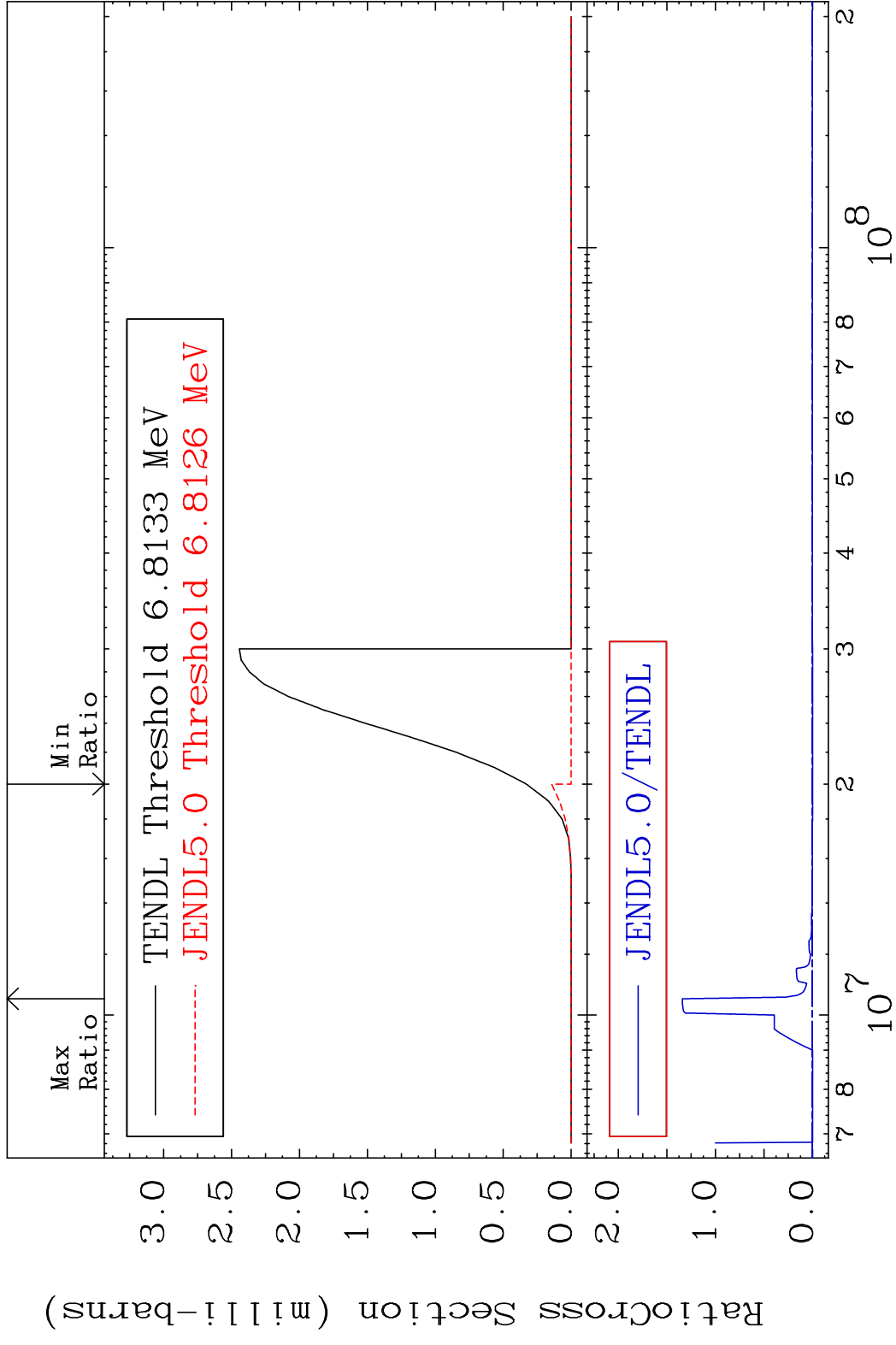




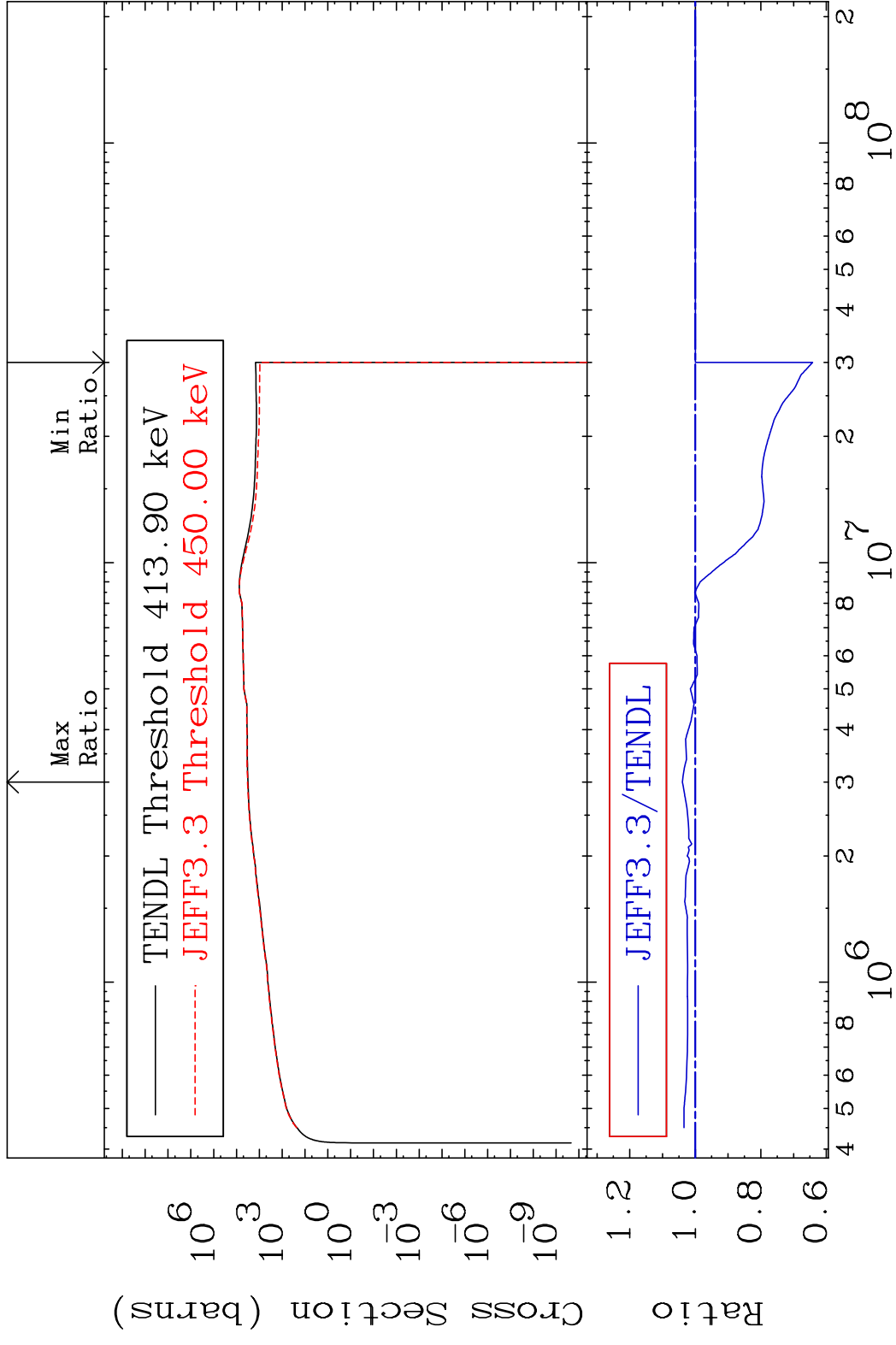




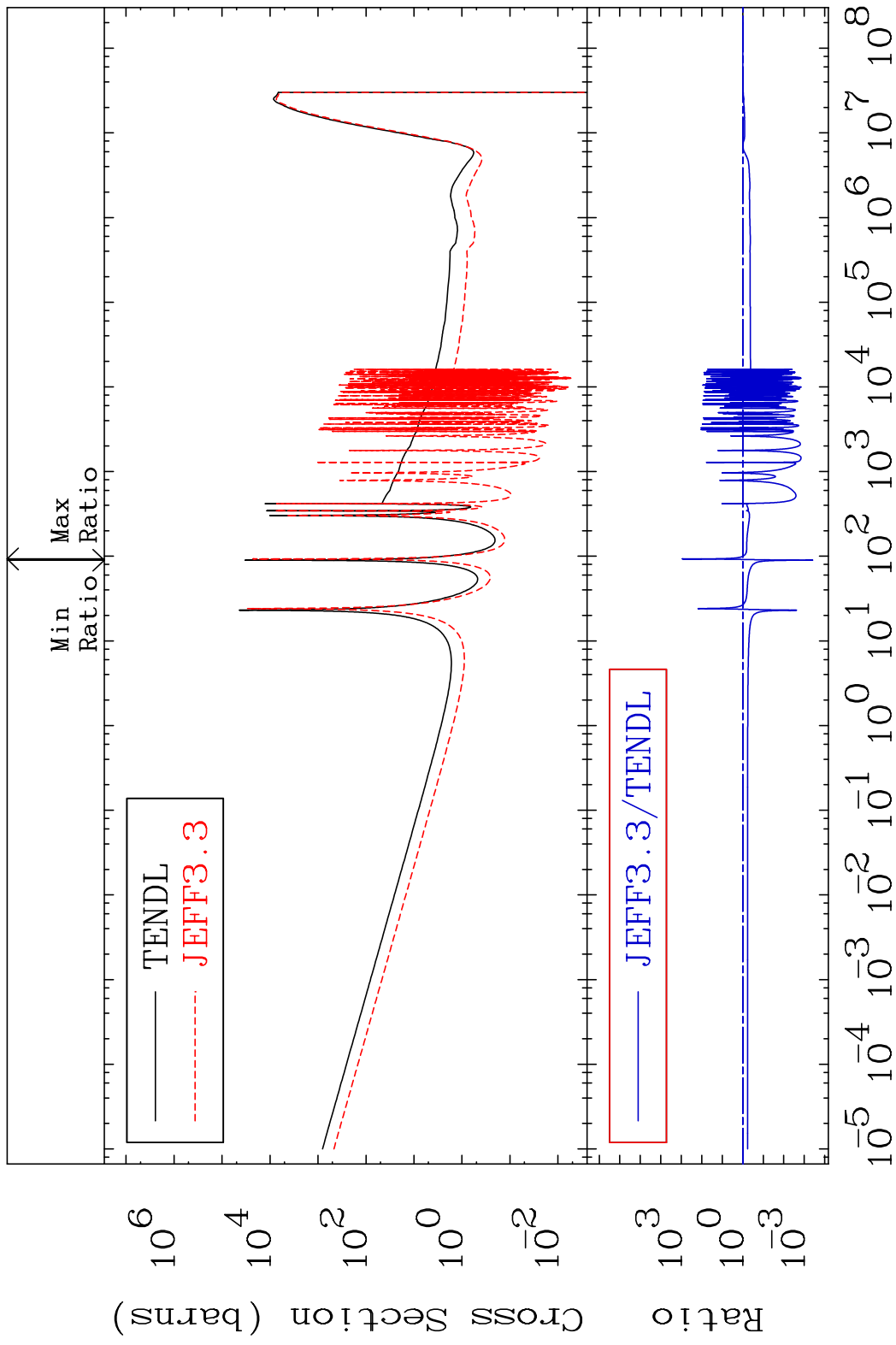
MAT 8031 (n, t): 79-Au-196m3 80-Hg-198
 Radionuclide Production Cross Section Ratio 9999. %



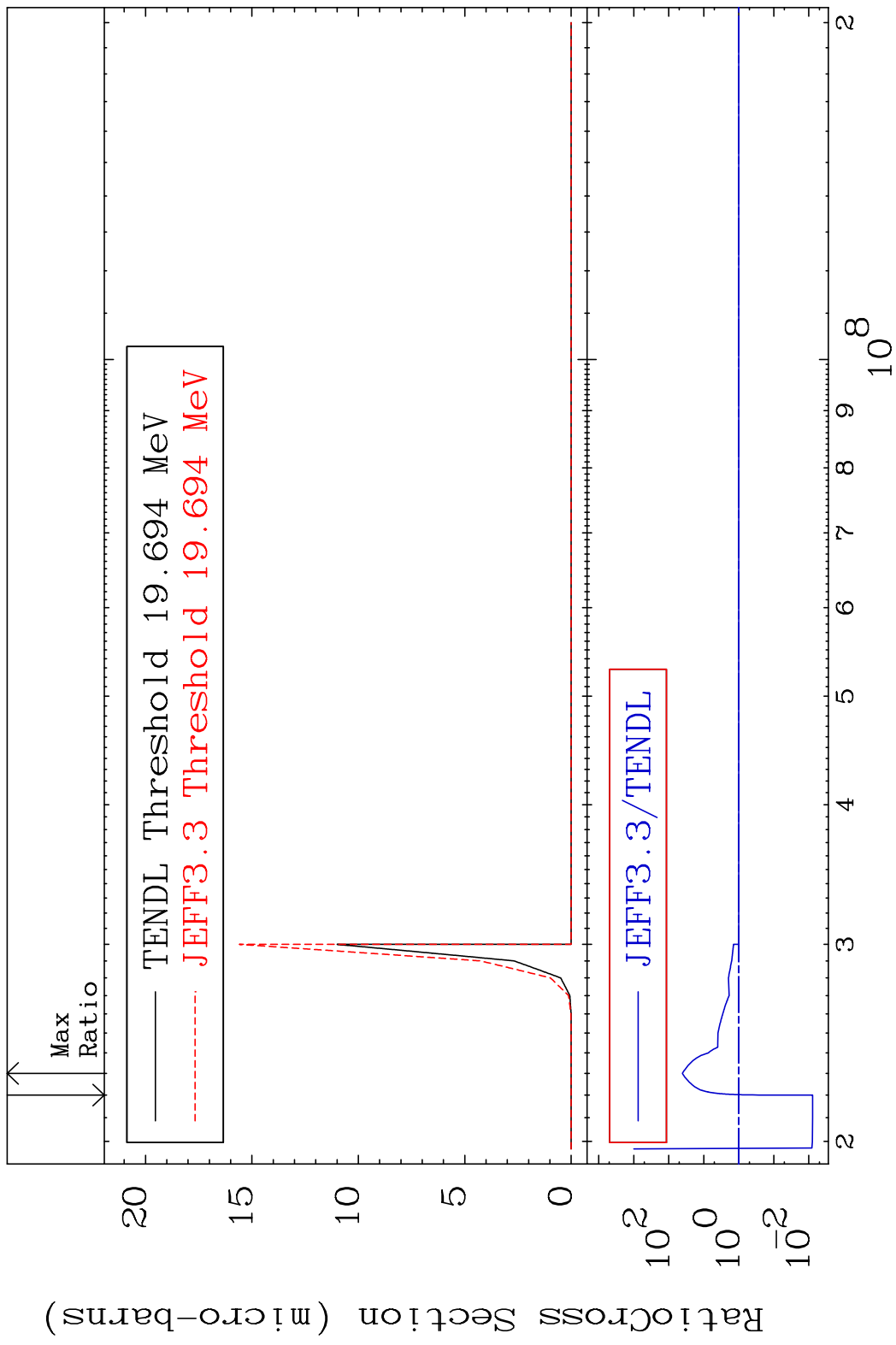
MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198
 Cross Section -35.80 To 3.945 %

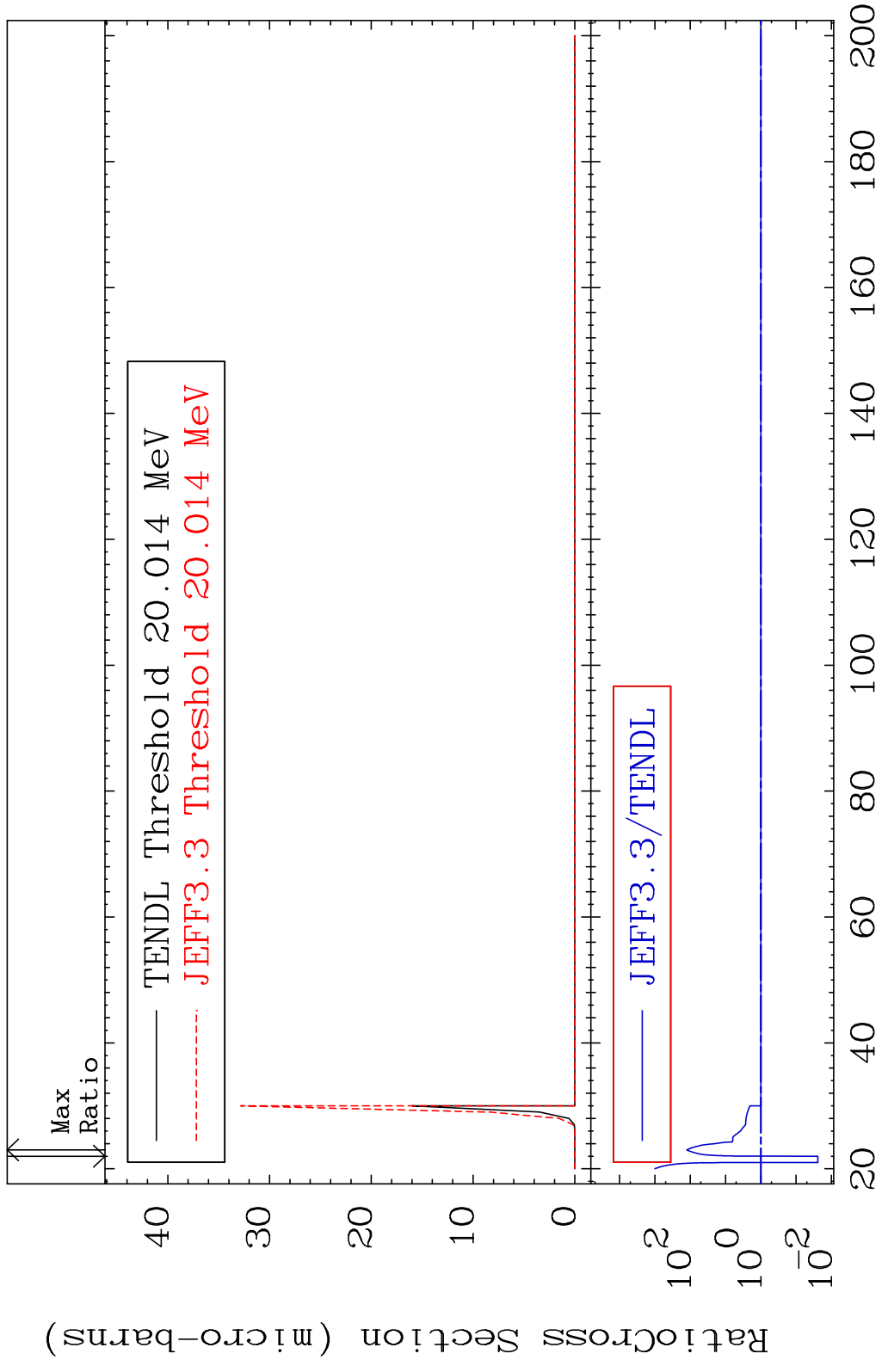


MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -99.96 To 9999. %

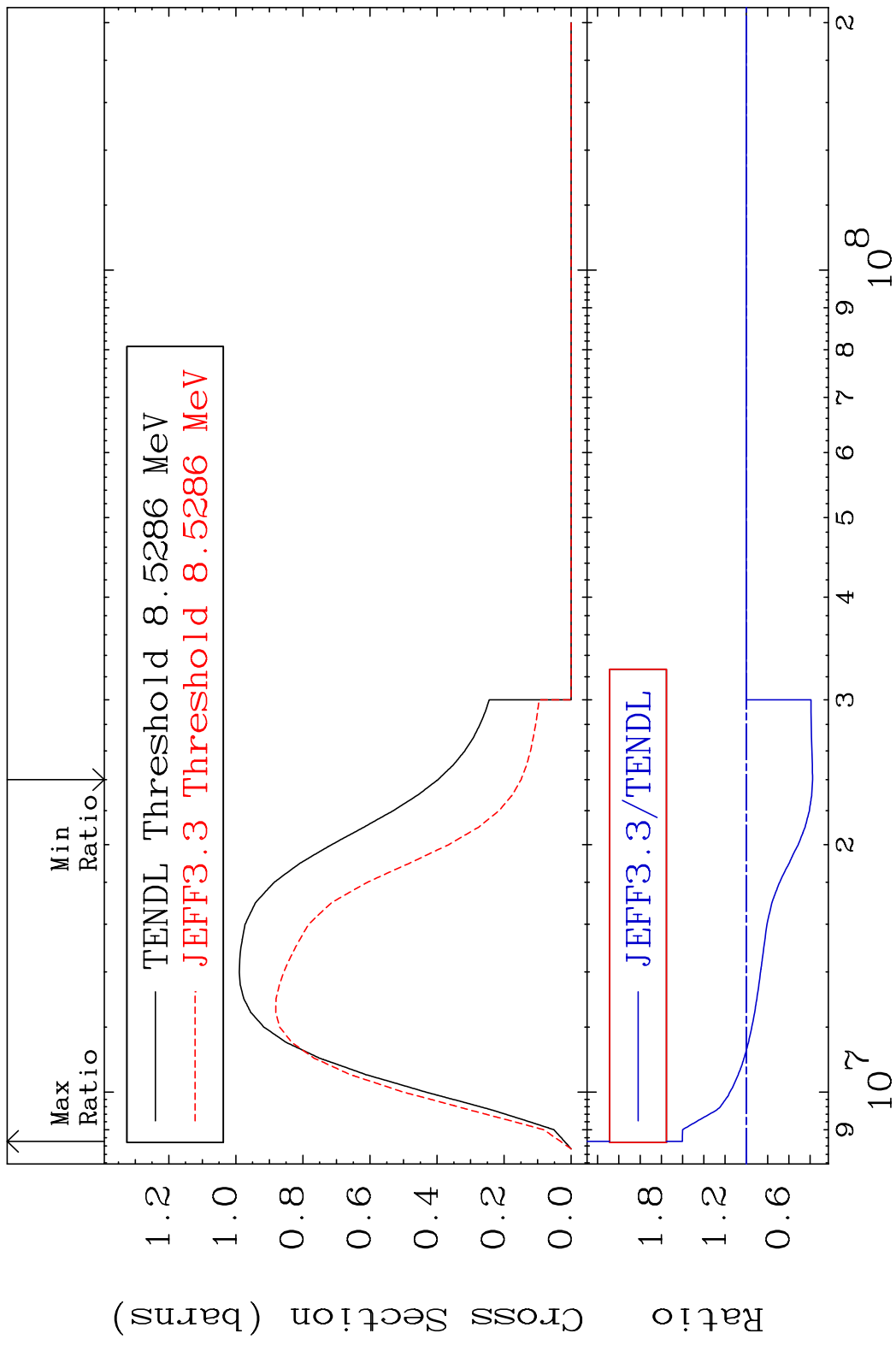


MAT 8031 (n,2n) d:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 98.221 d to 3987. %

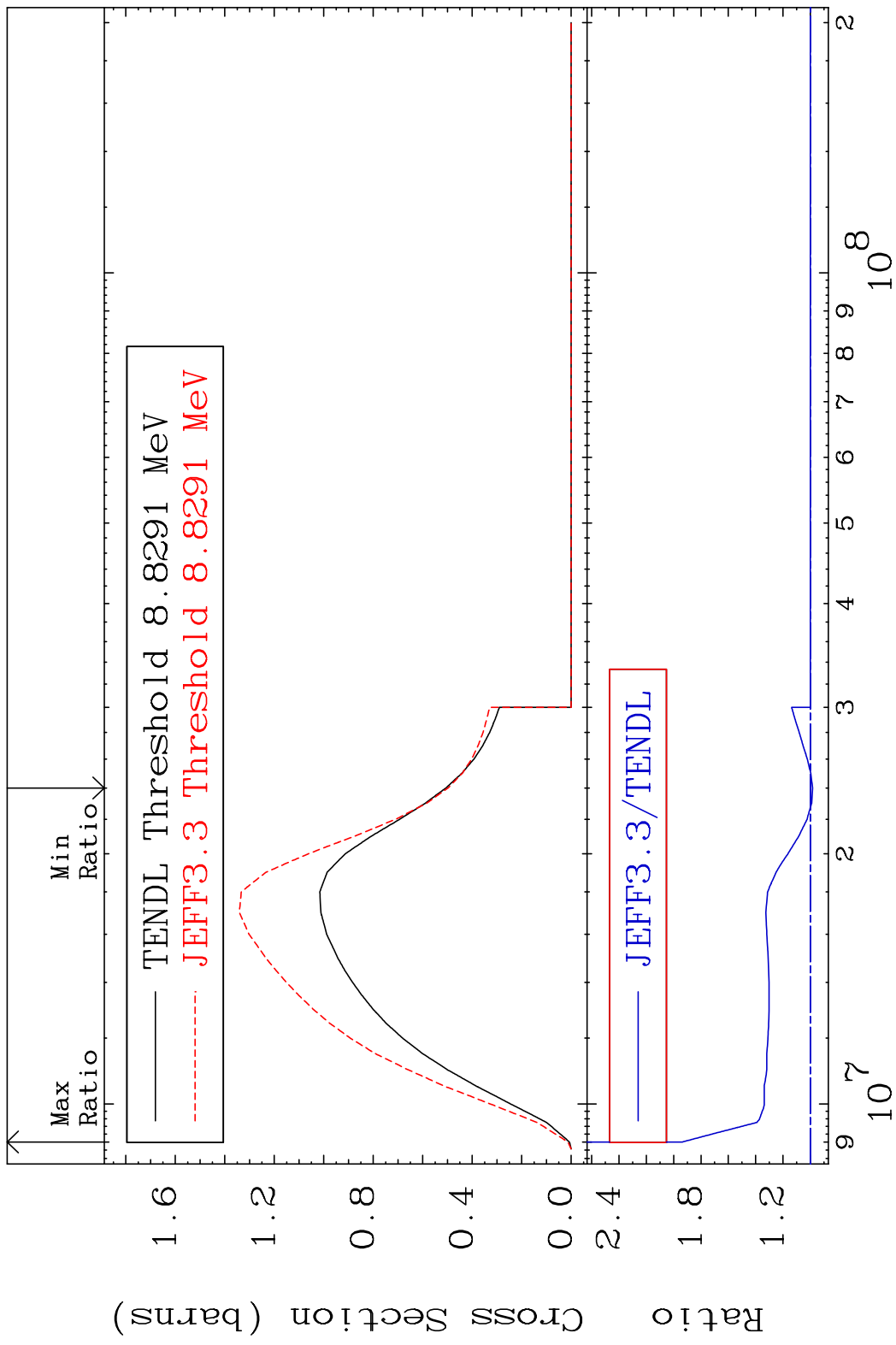




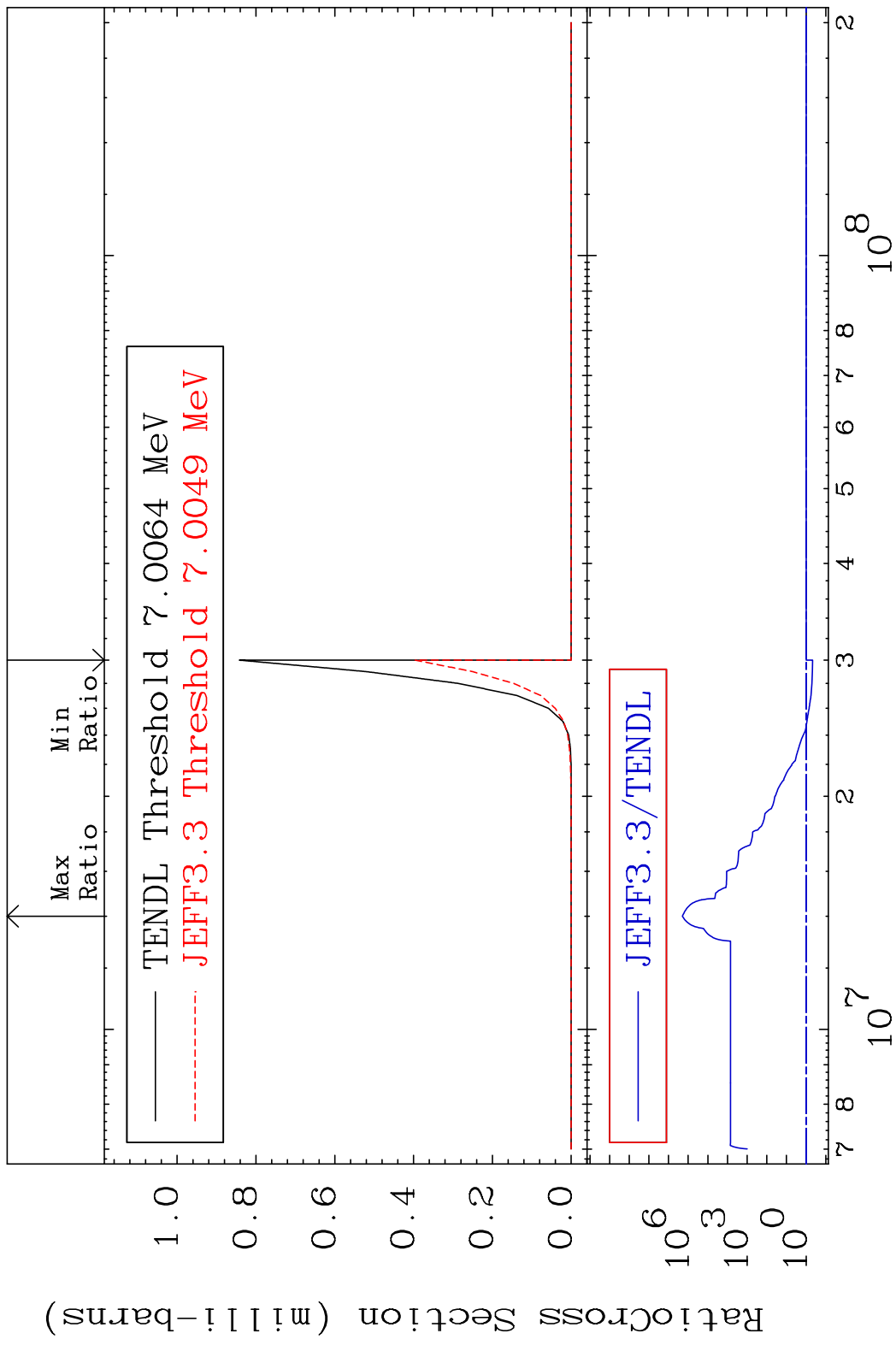
MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section 62.361 dth 60.23 %

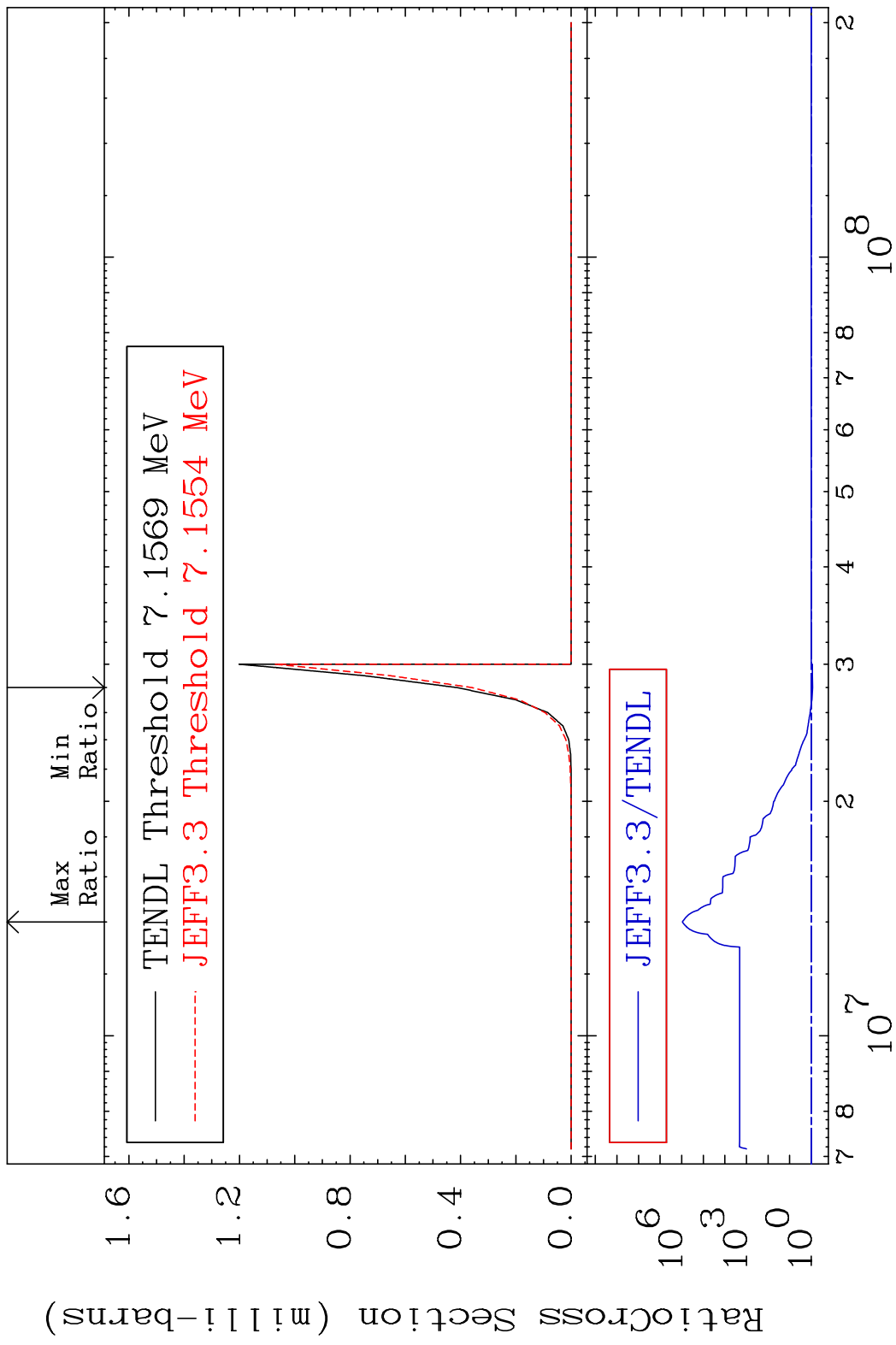


MAT 8031 (n,2n):80-Hg-197m4 80-Hg-198
 Radionuclide Production Cross Section 93.64 %

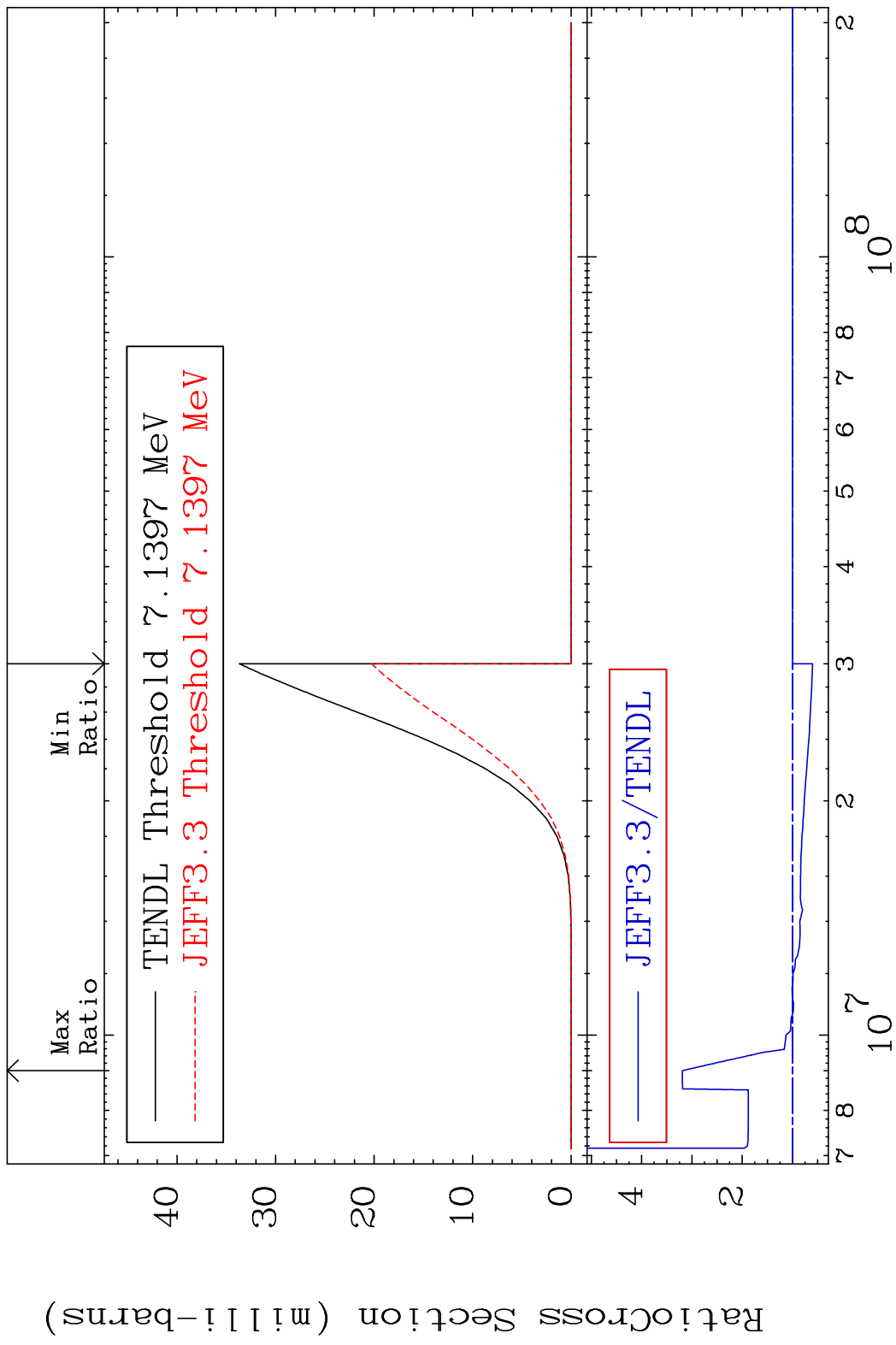


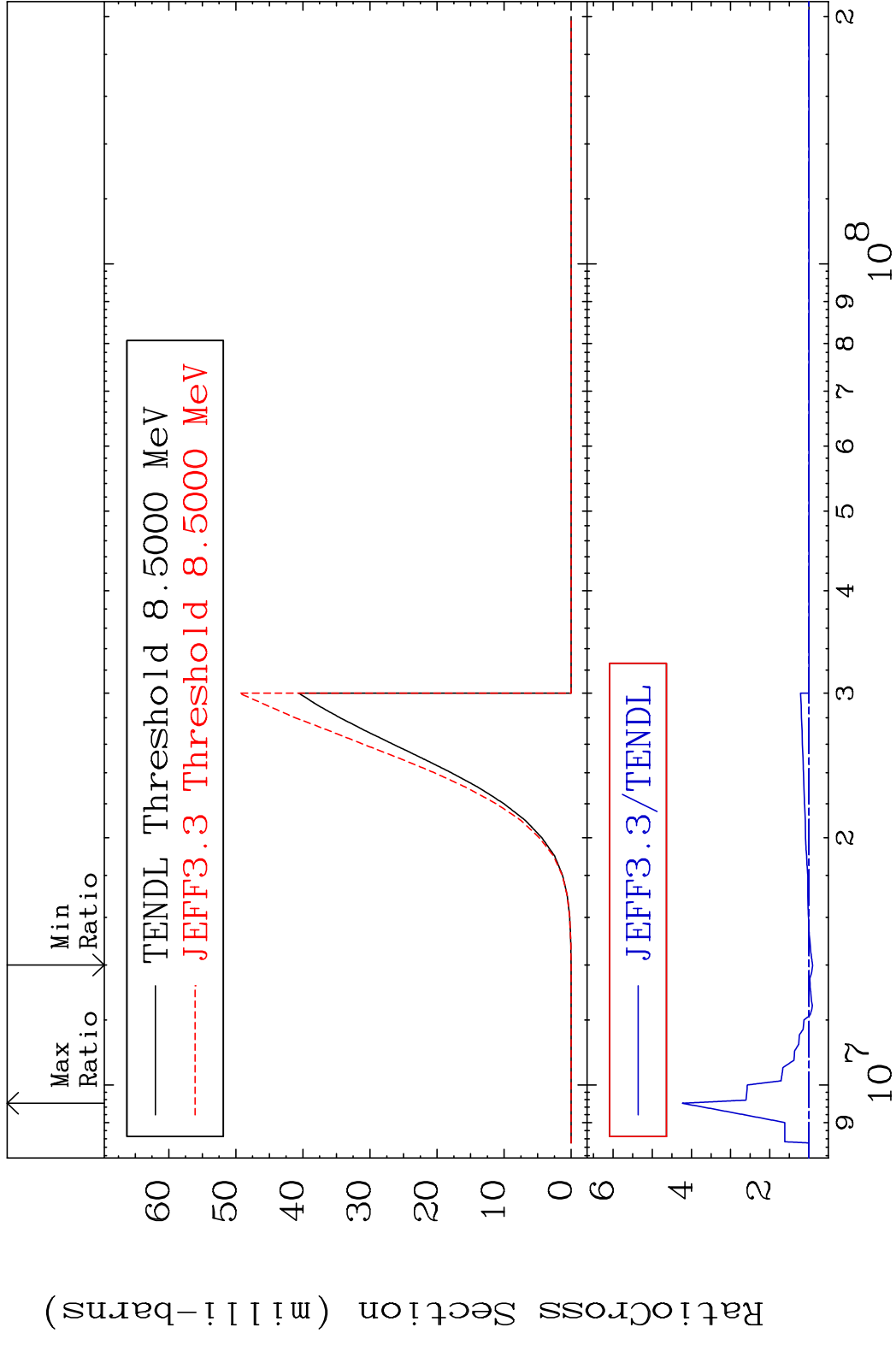
81 Incident Energy (eV) 80-Hg-198

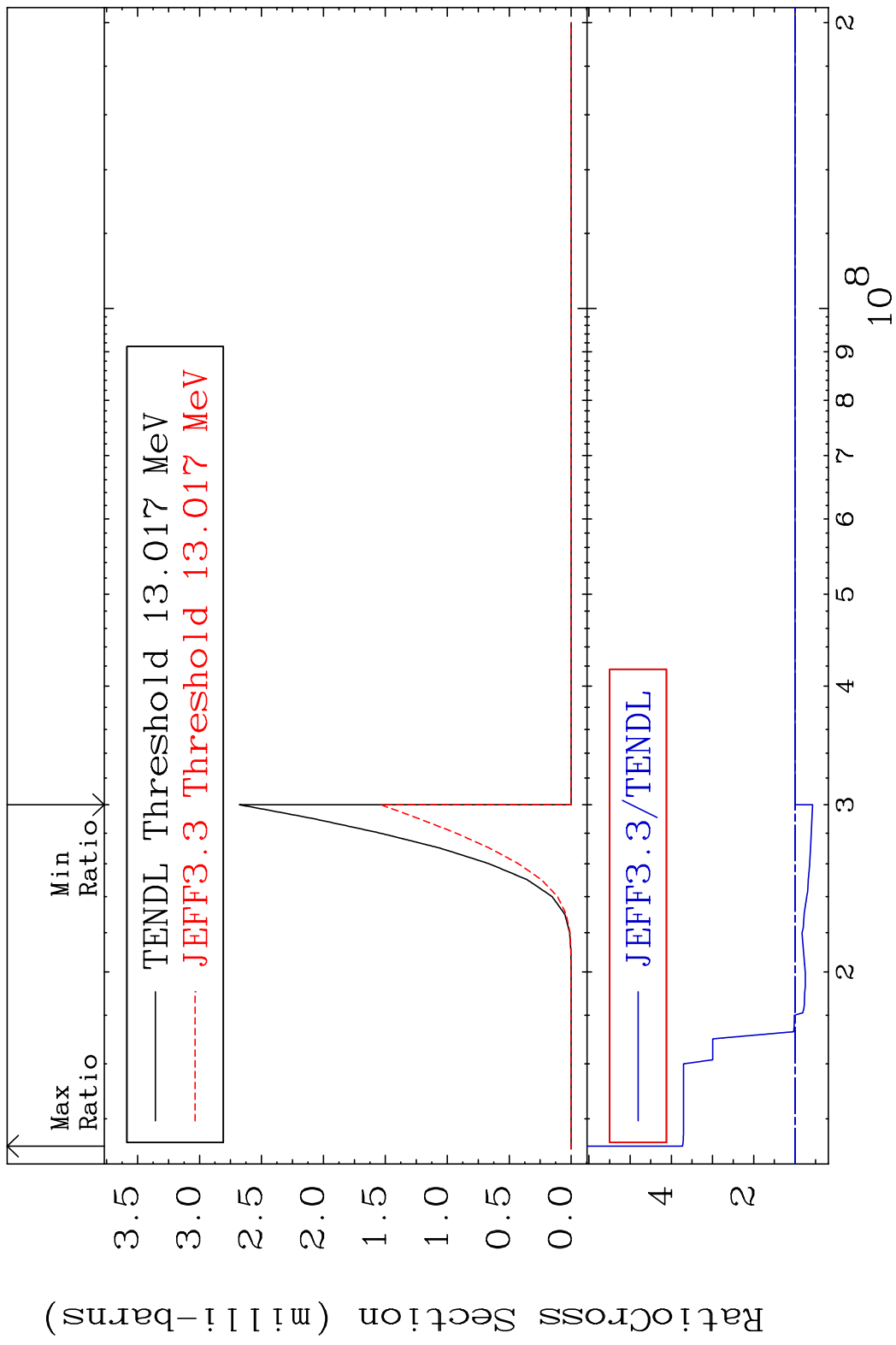


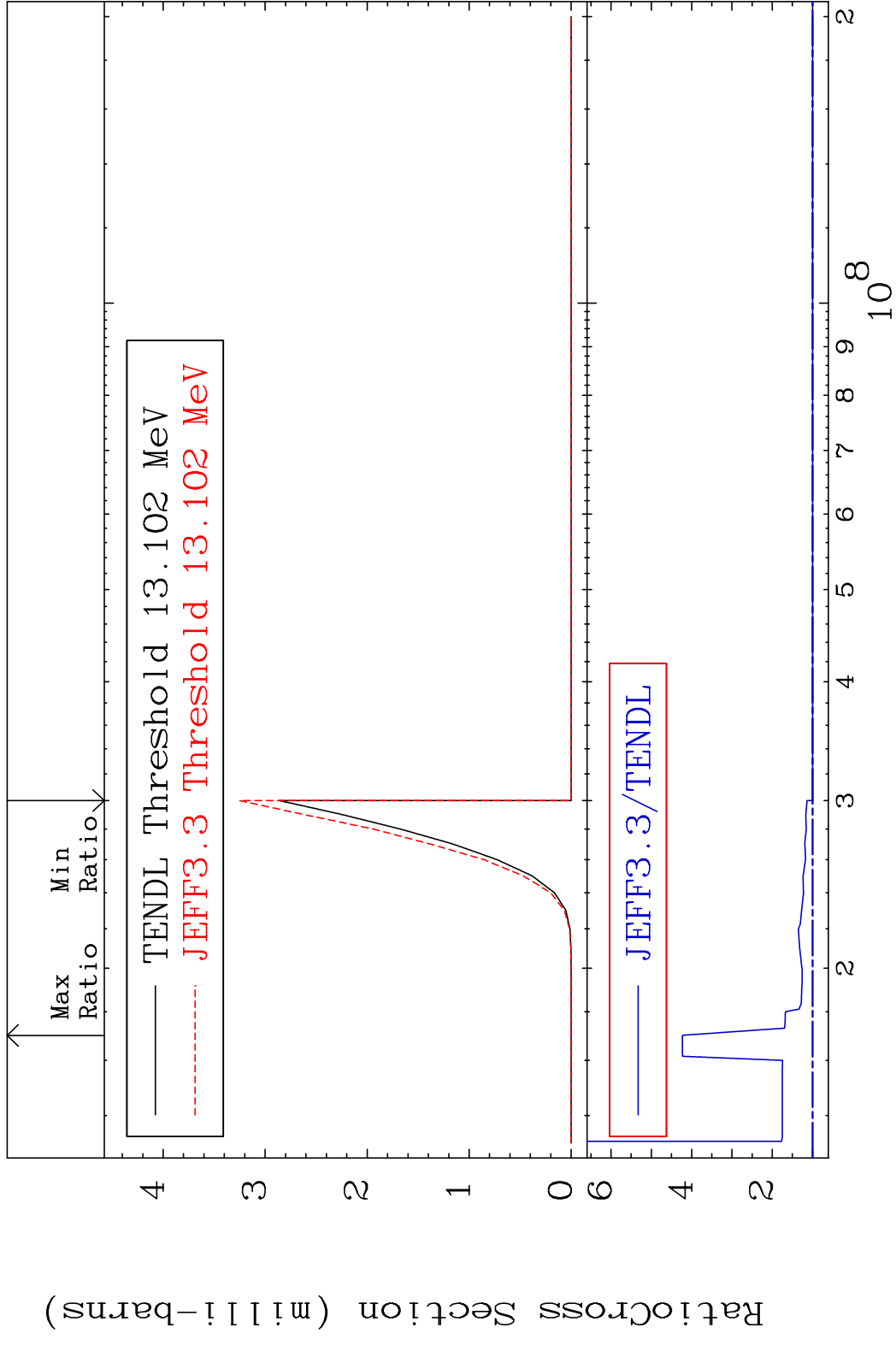


MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 39.661 to 219.0 %

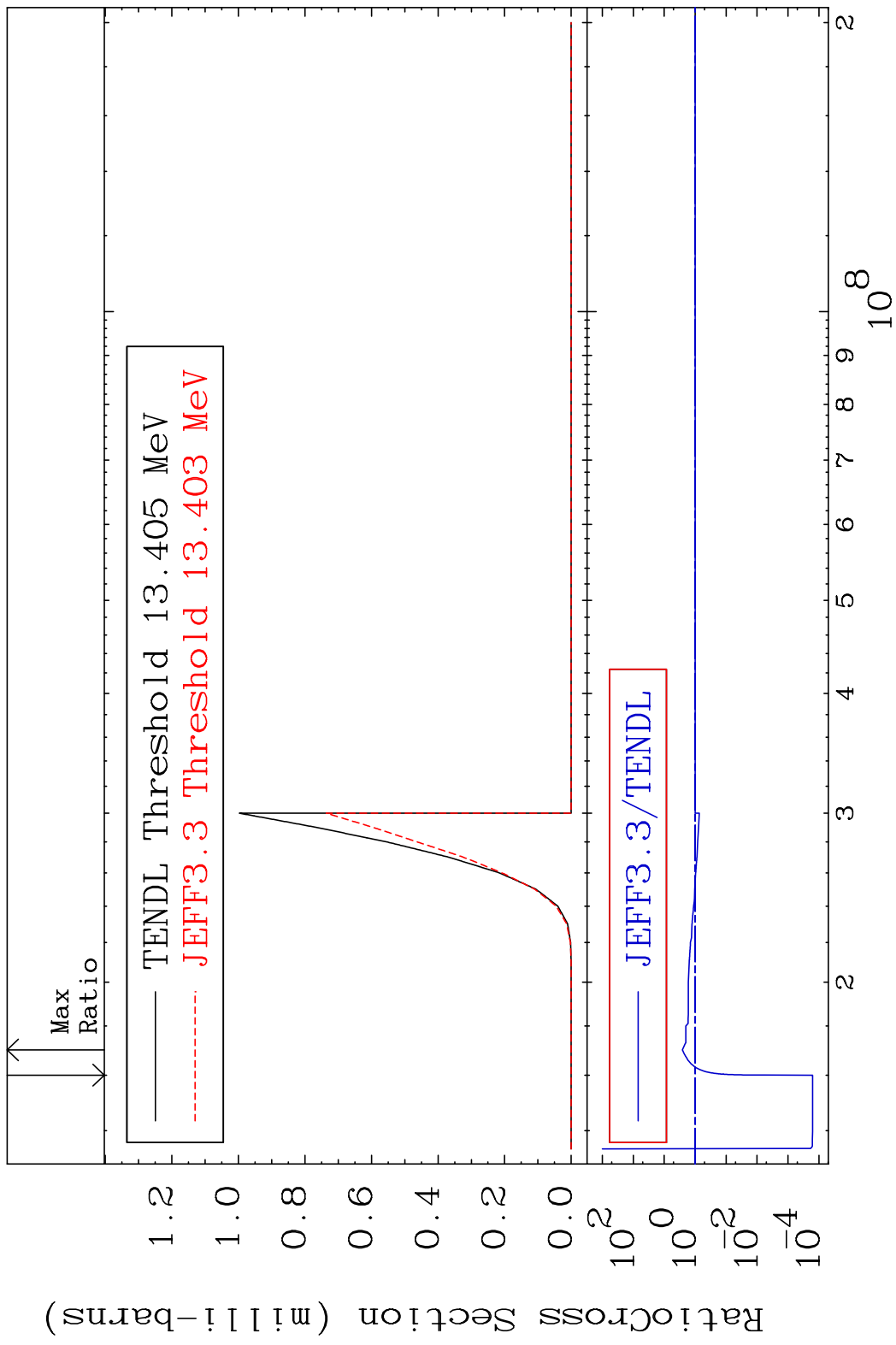


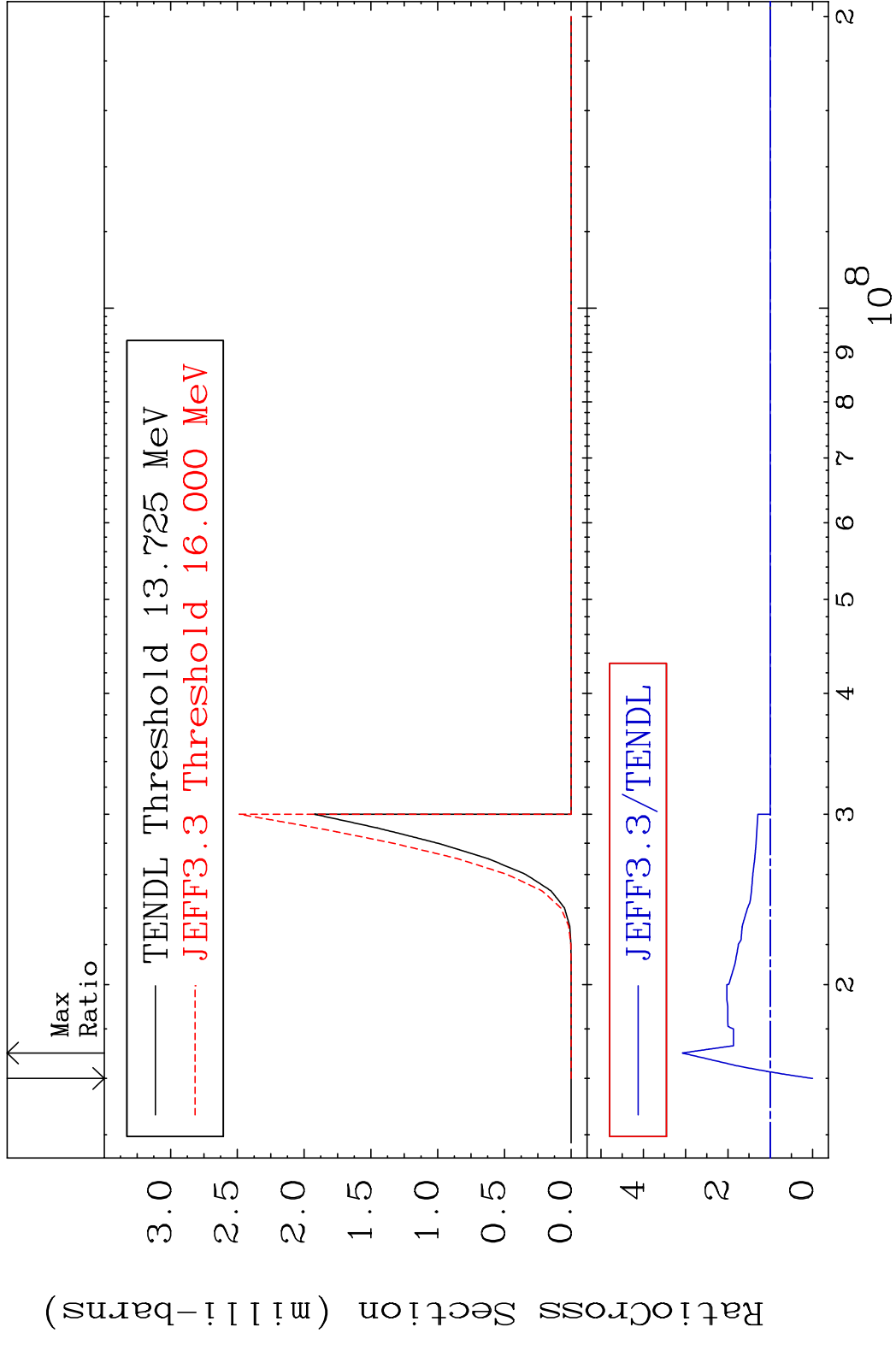




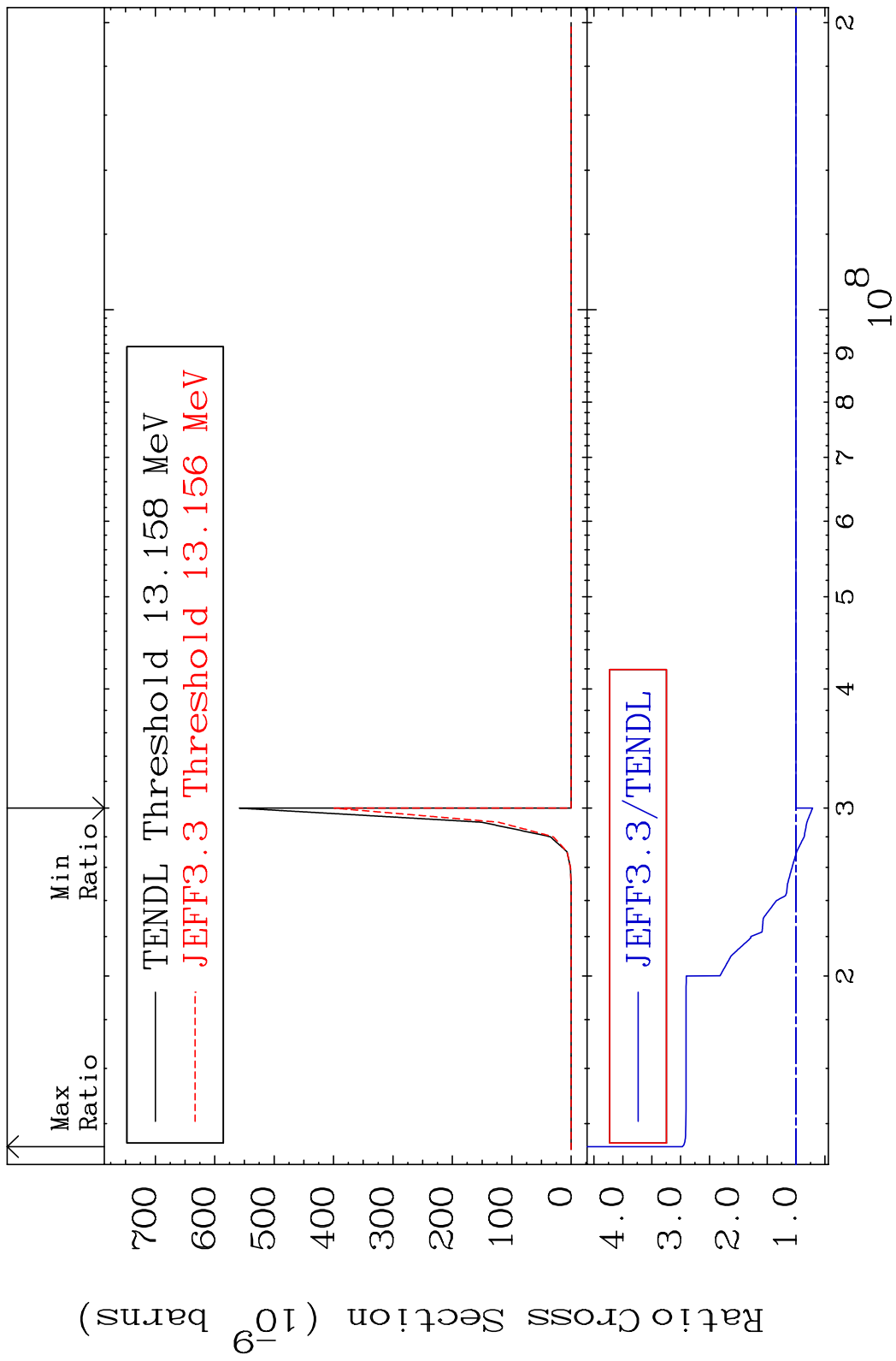


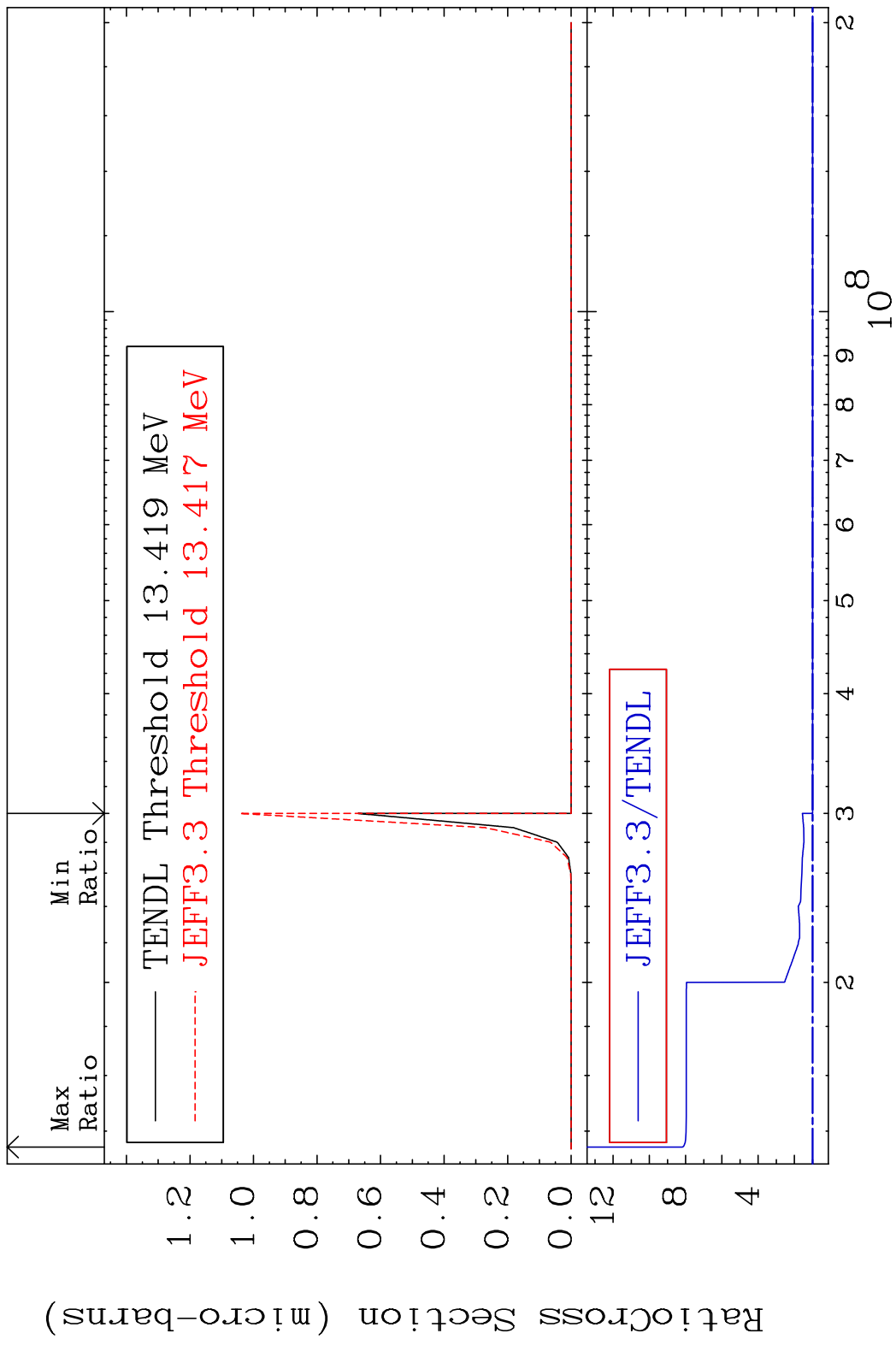
MAT 8031 (n, n') t:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 98.981 d/o 159.9 %



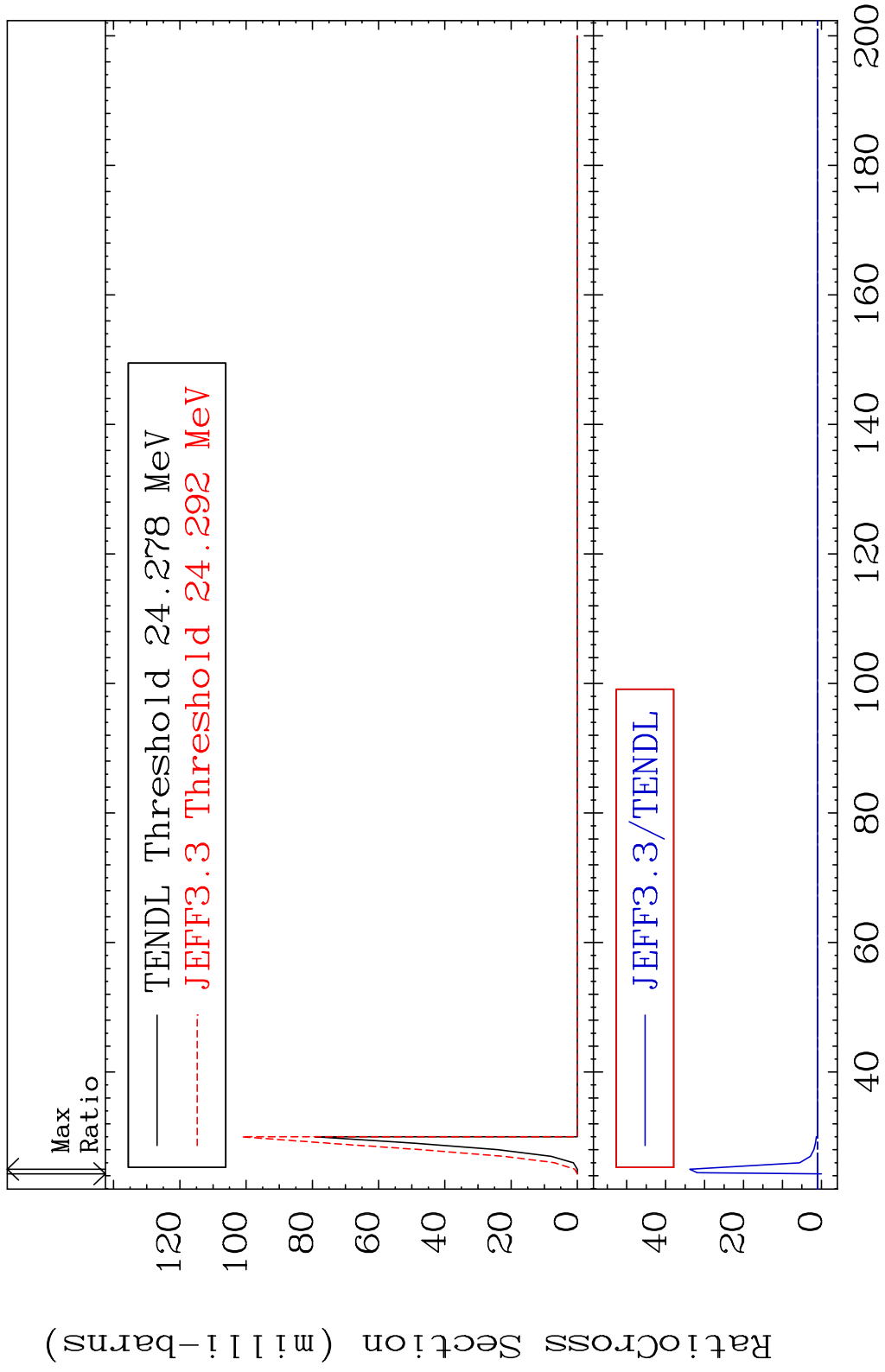


MAT 8031 (n, n') He-3:78-Pt-195g 80-Hg-198
 Radionuclide Production Cross Section 3860 dth 197.0 %

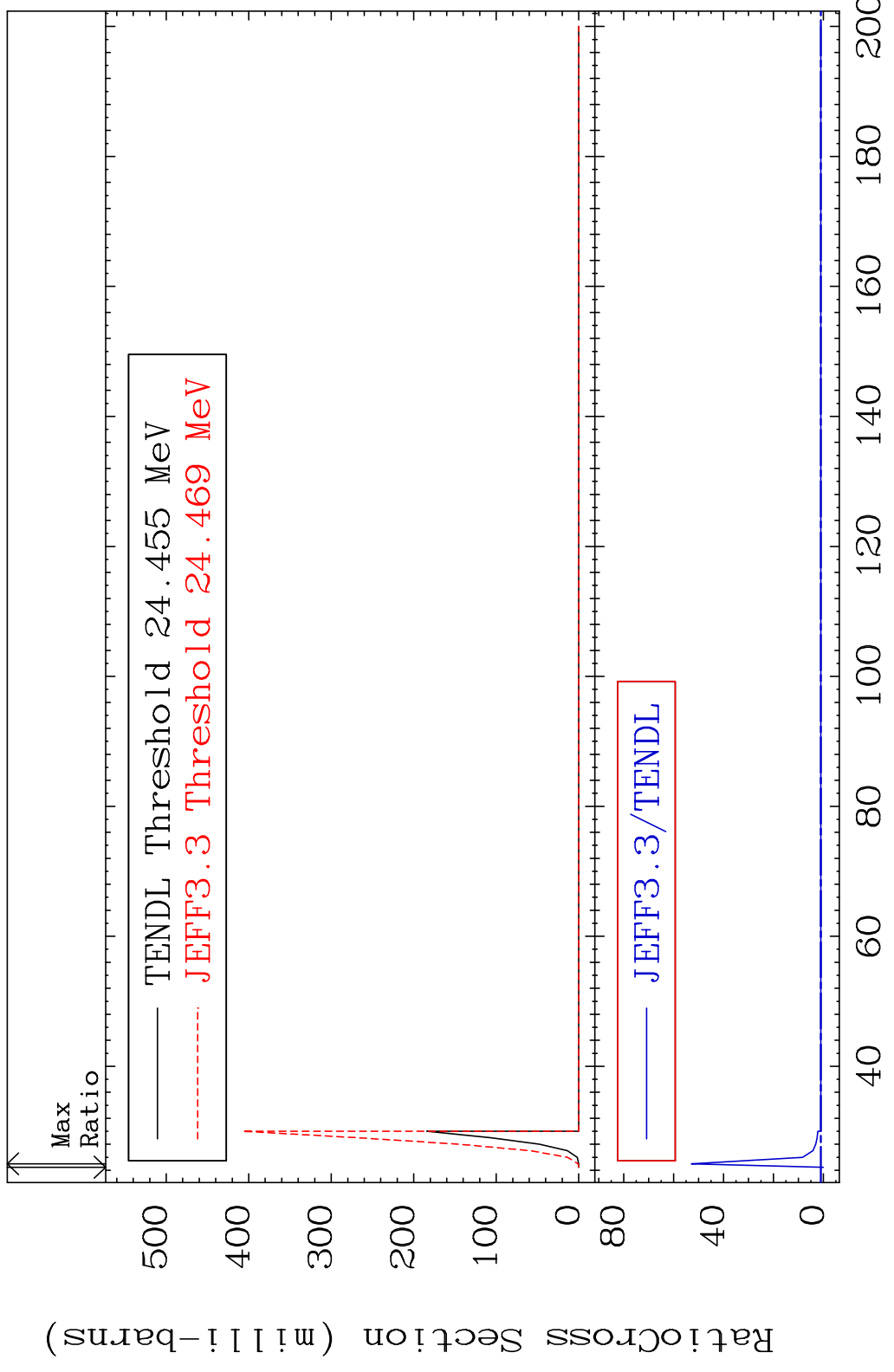




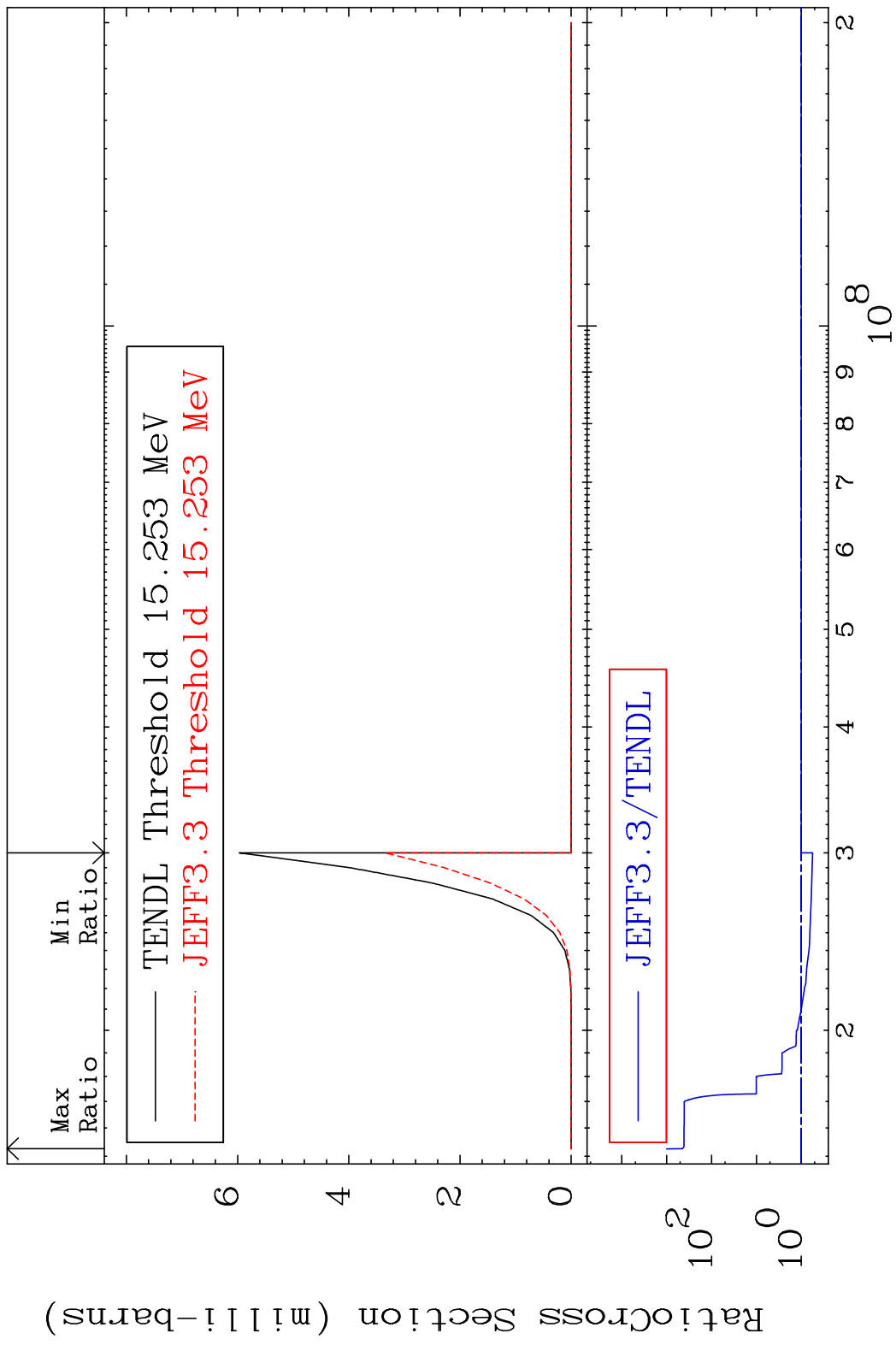
MAT 8031 (n,4n):80-Hg-195g 80-Hg-198
 Radionuclide Production Cross Section Ratio 3280. %

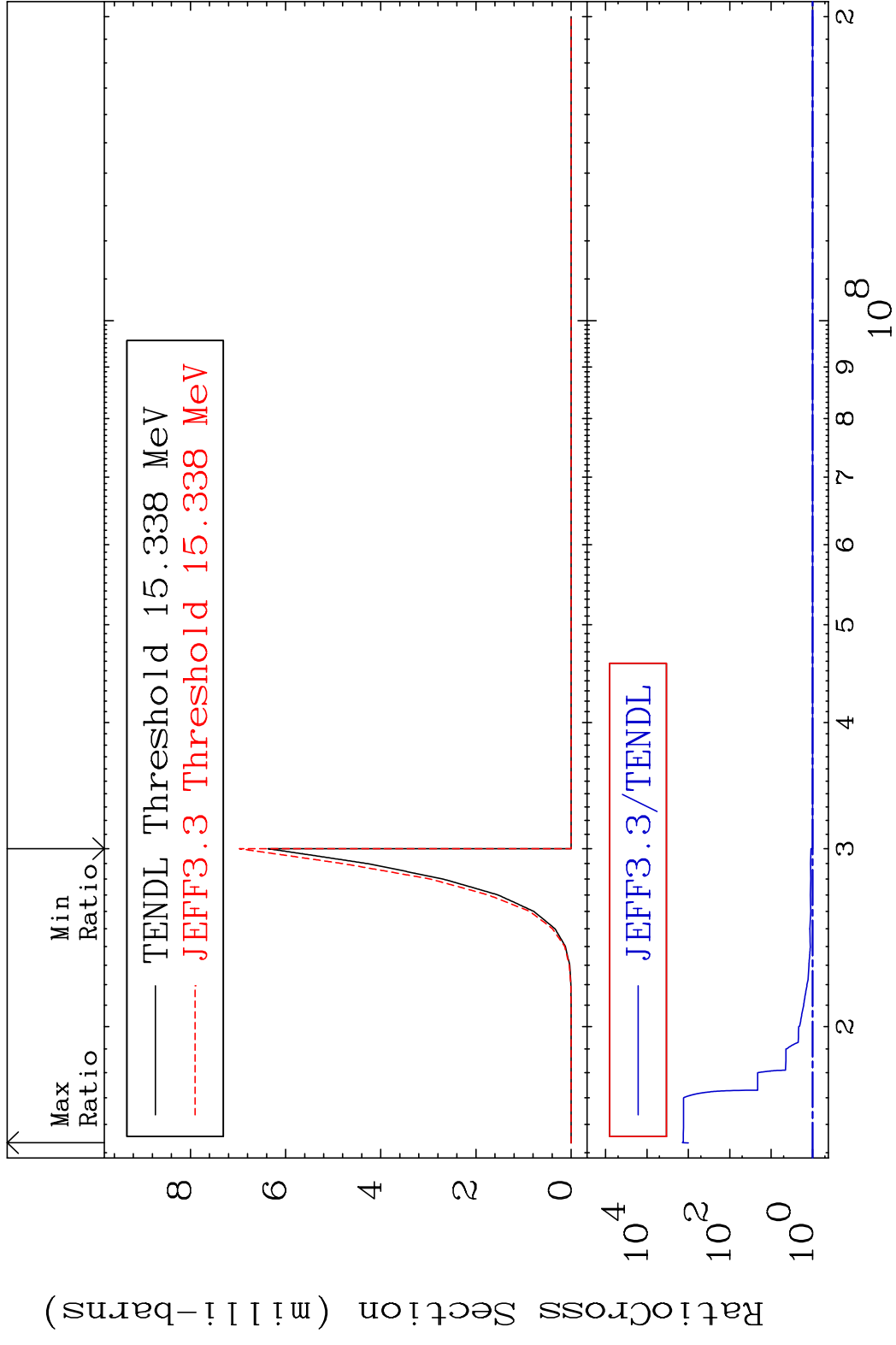


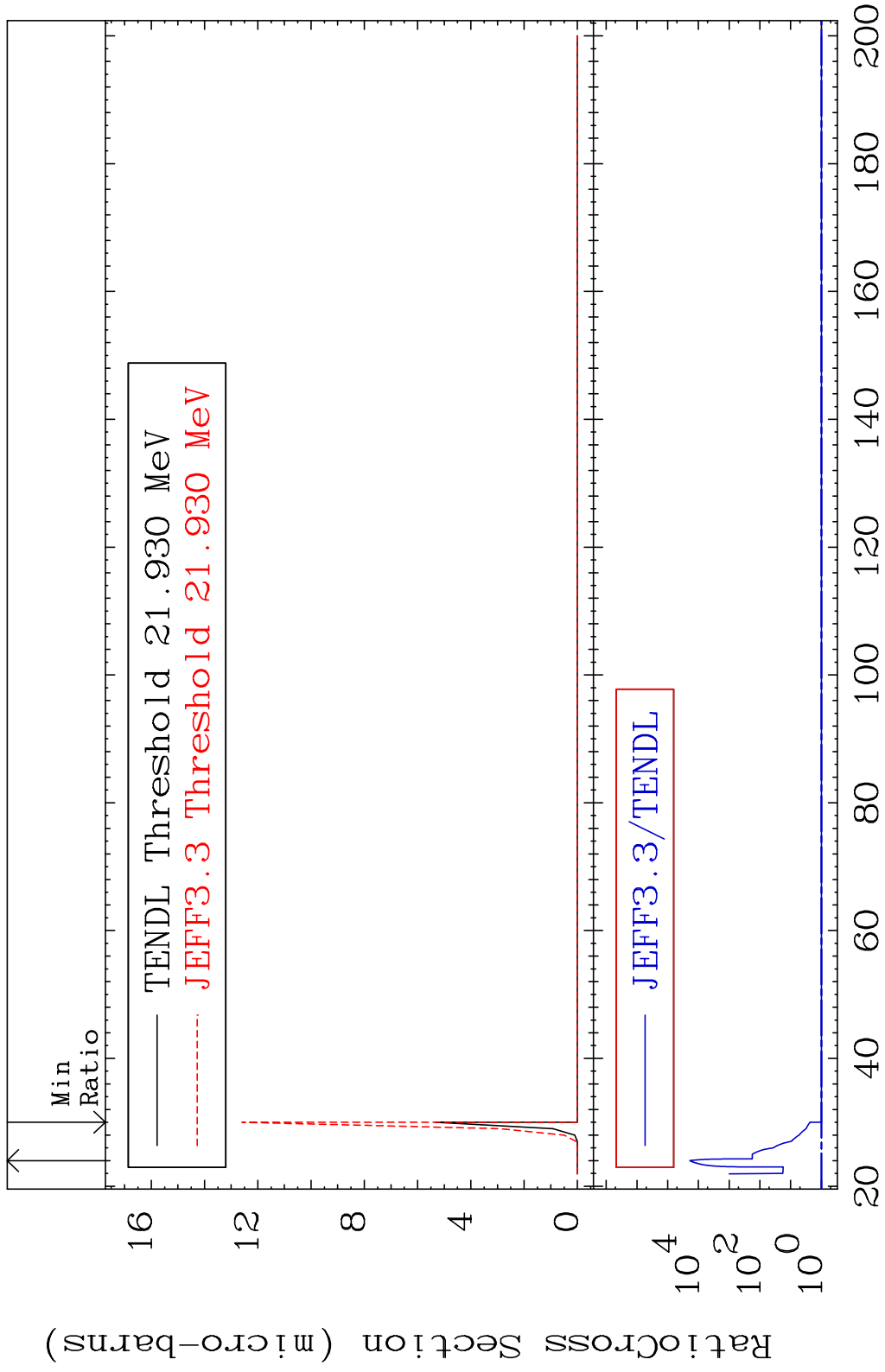
MAT 8031 (n, 4n):80-Hg-195m3 80-Hg-198
 Radionuclide Production Cross Section Ratio 5190. %

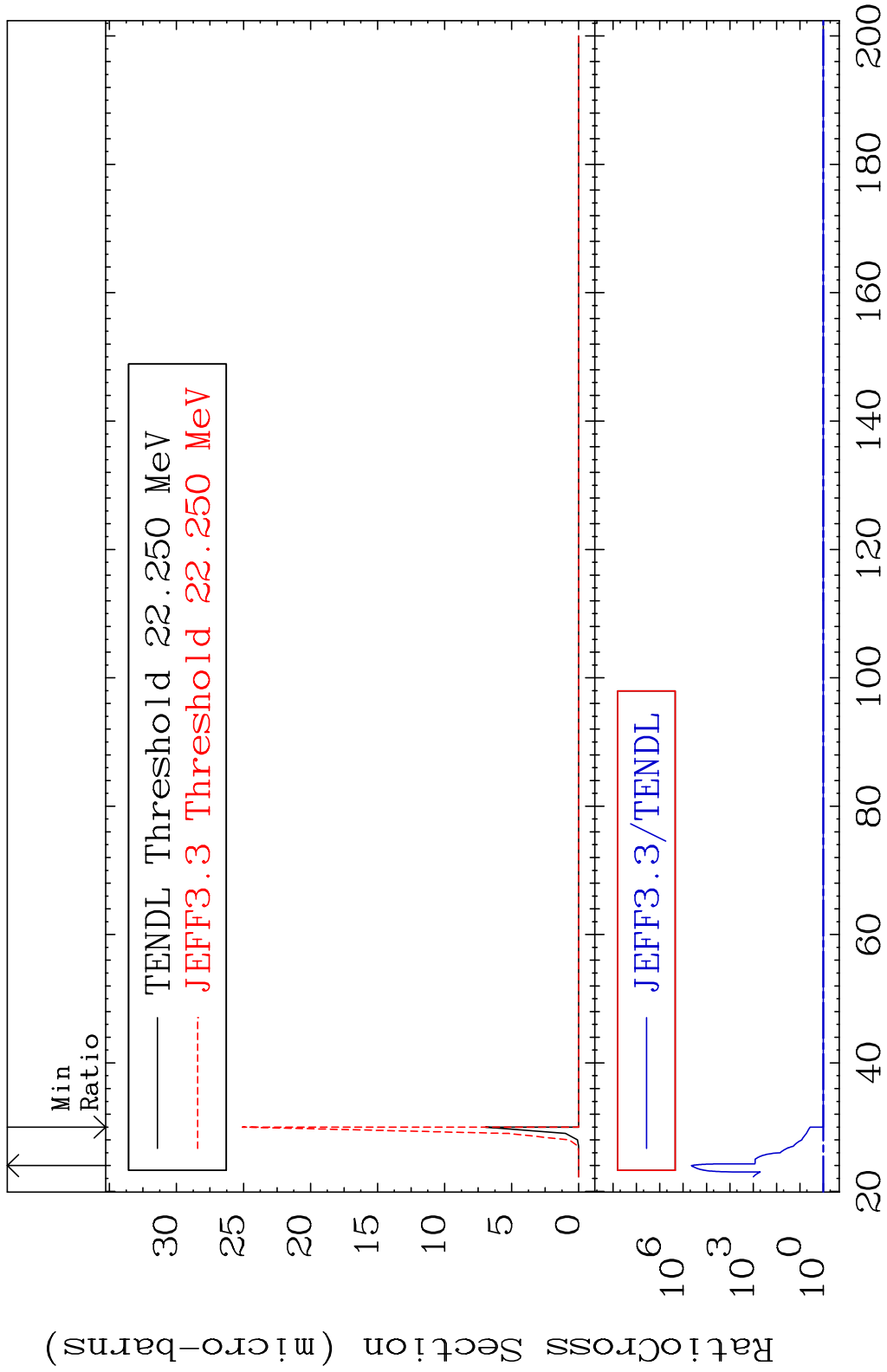


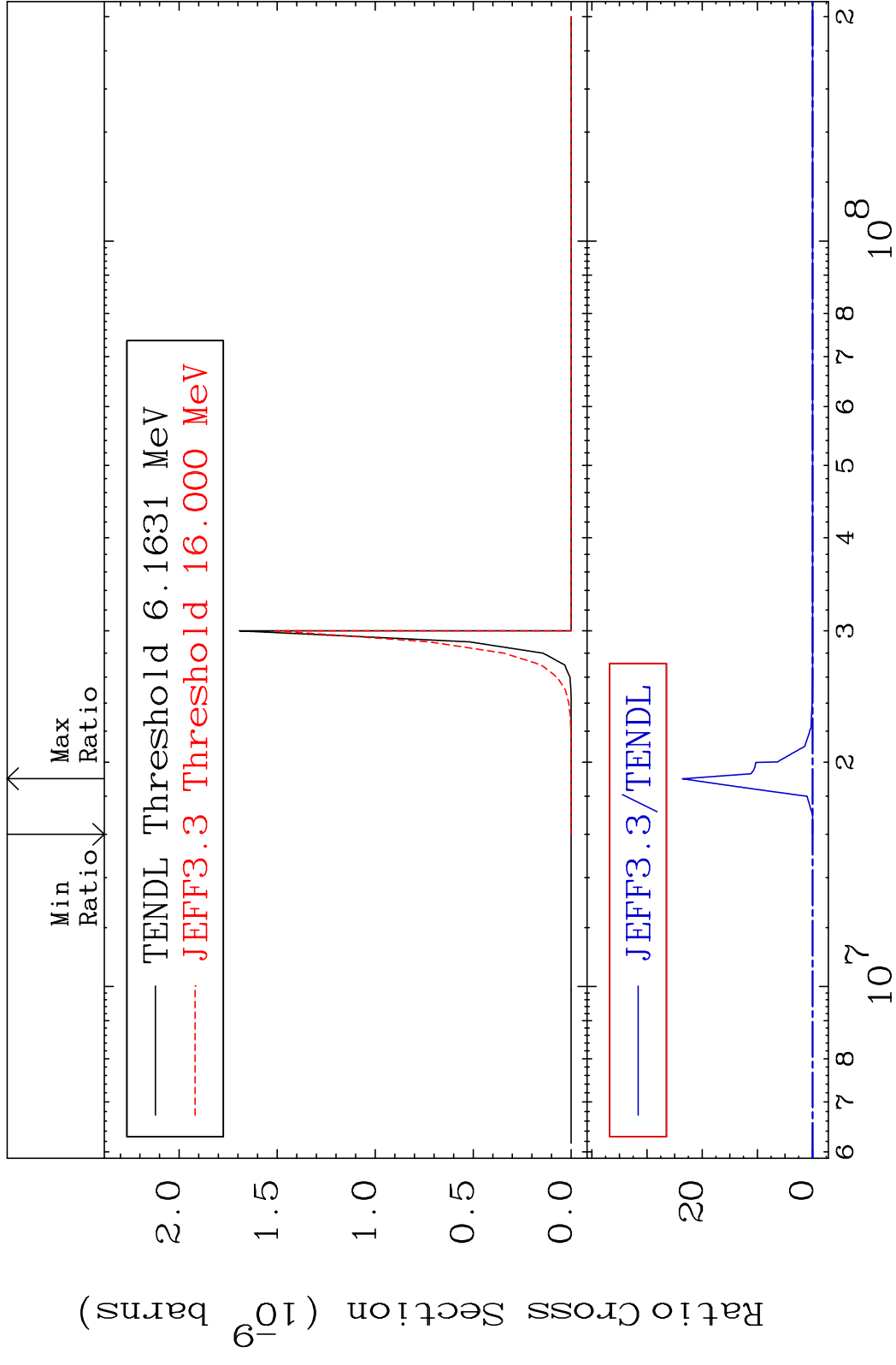
MAT 8031 (n,2n) p:79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section to 9999. %

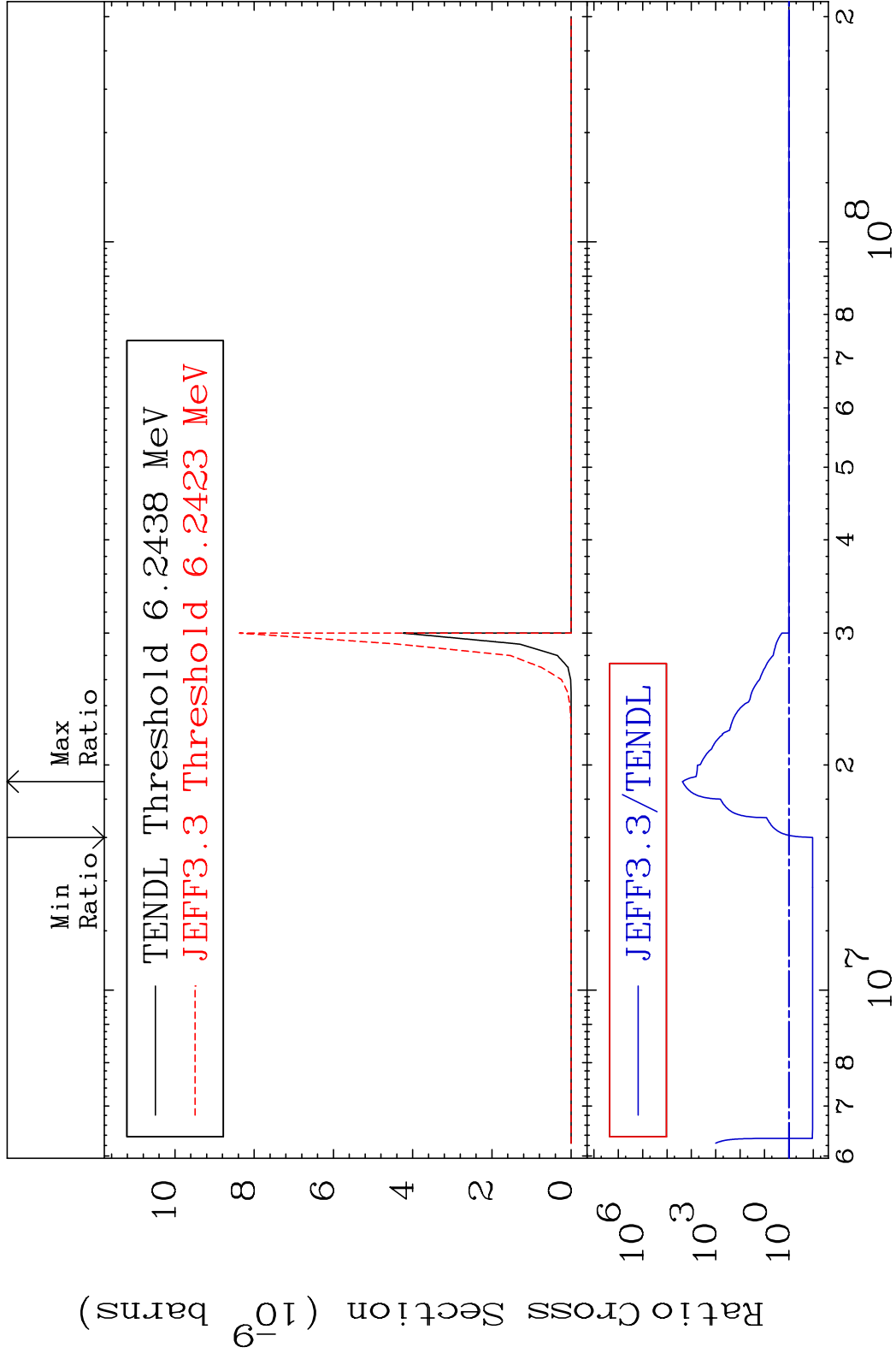




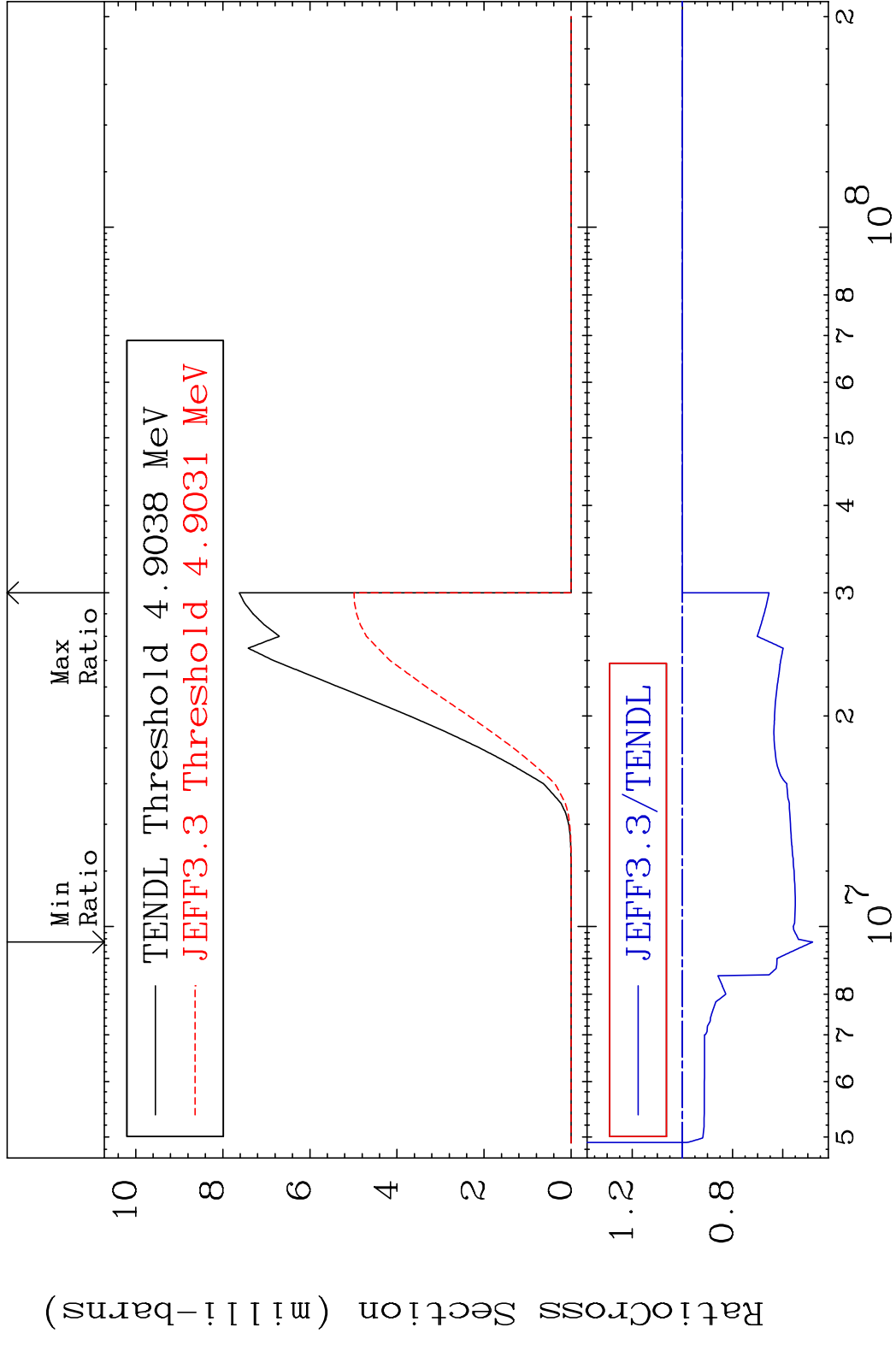






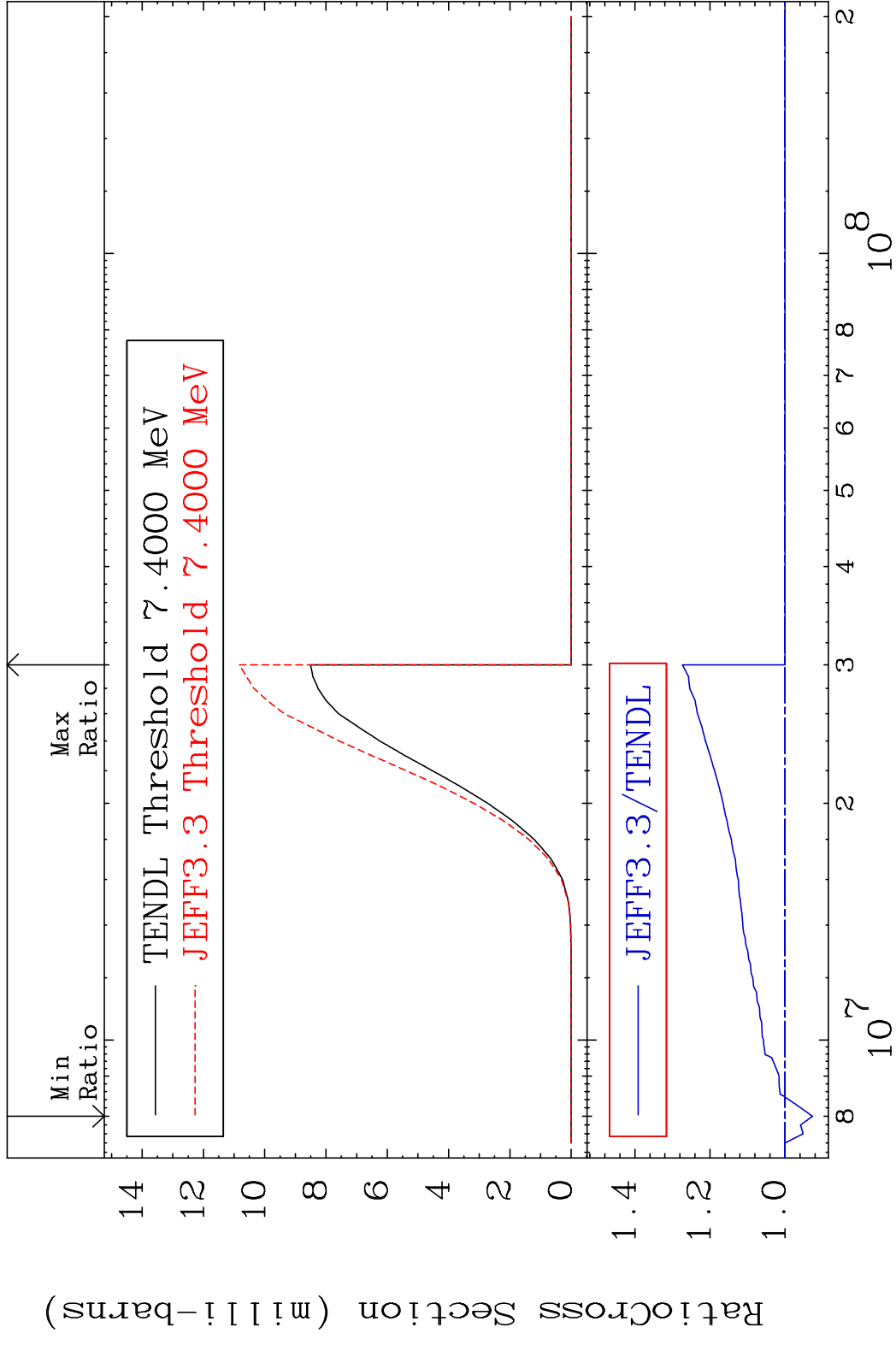


MAT 8031 (n, d) : 79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 0.000 %

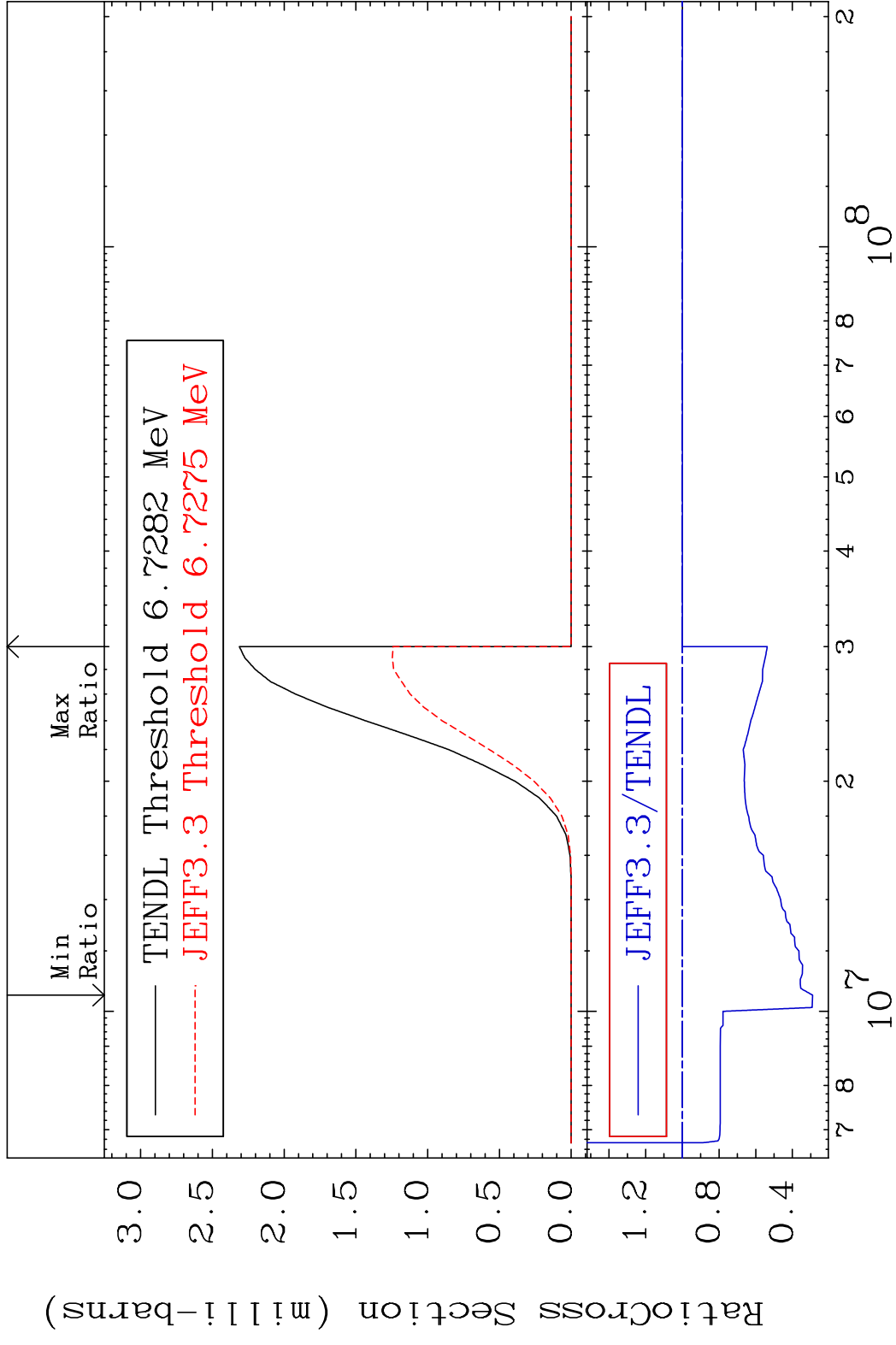


100 Incident Energy (eV) 80-Hg-198

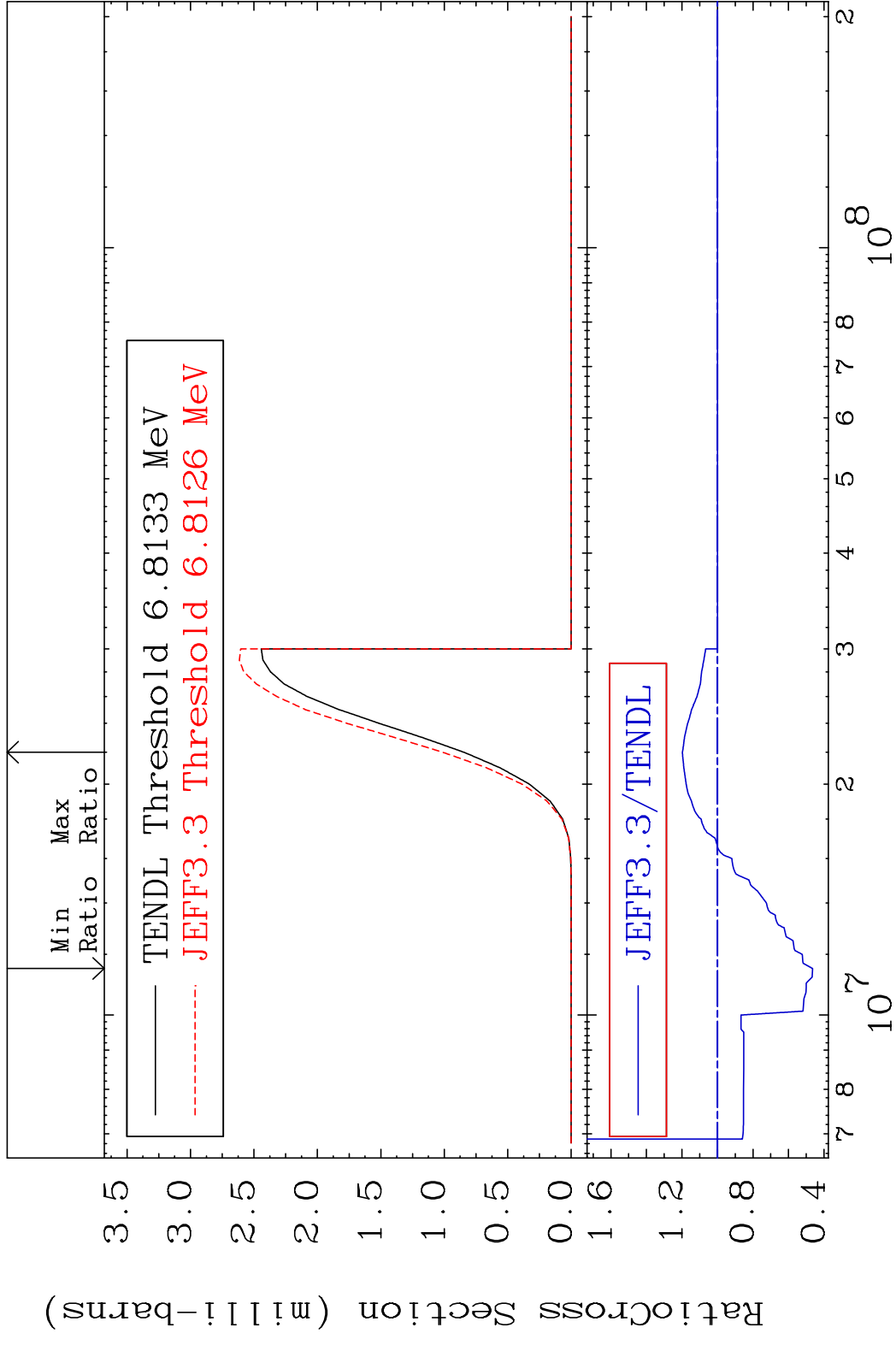
MAT 8031 (n, d):79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section 27.35 %

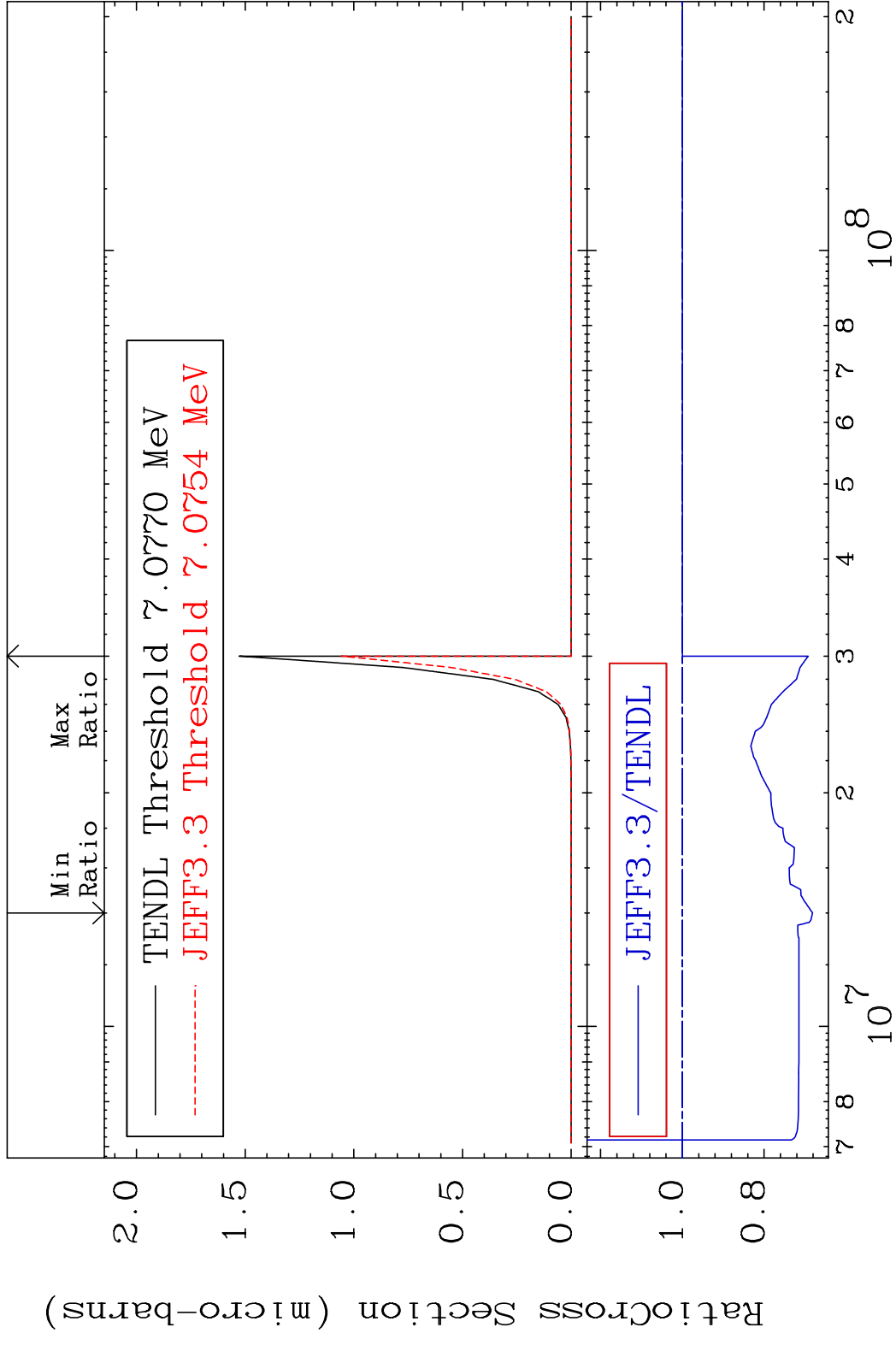


MAT 8031 (n, t): 79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section 0.000 %



MAT 8031 (n, t): 79-Au-196m3 80-Hg-198
 Radionuclide Production Cross Section 53e541d10 19.77 %





MAT 8031 (n, 2p) : 78-Pt-197m9 80-Hg-198
 Radionuclide Production Cross Section 45.24 %

