

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

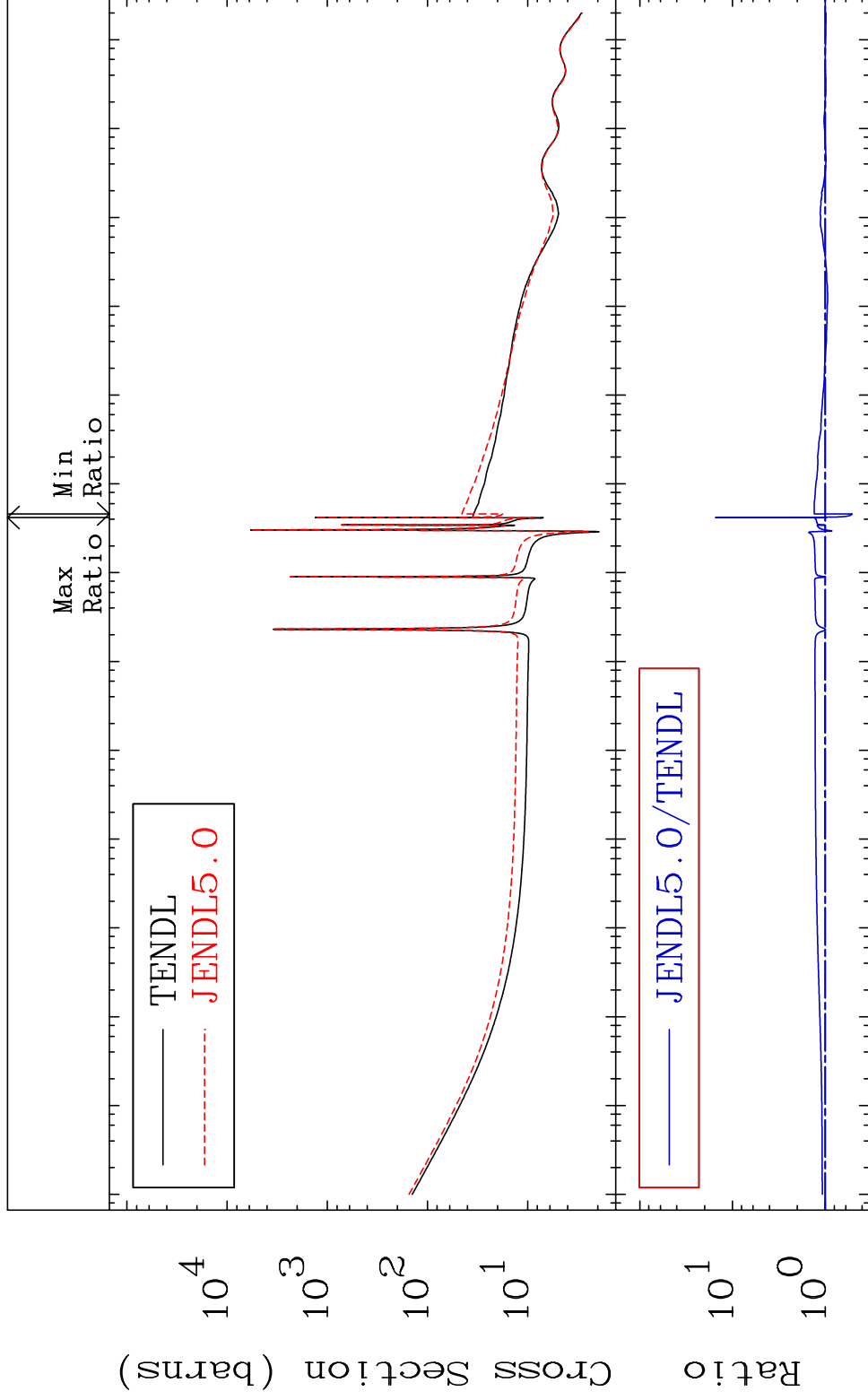
MAT 8031

Total

80-Hg-198

Cross Section

-48.80 To 1420. %



1

Incident Energy (eV)

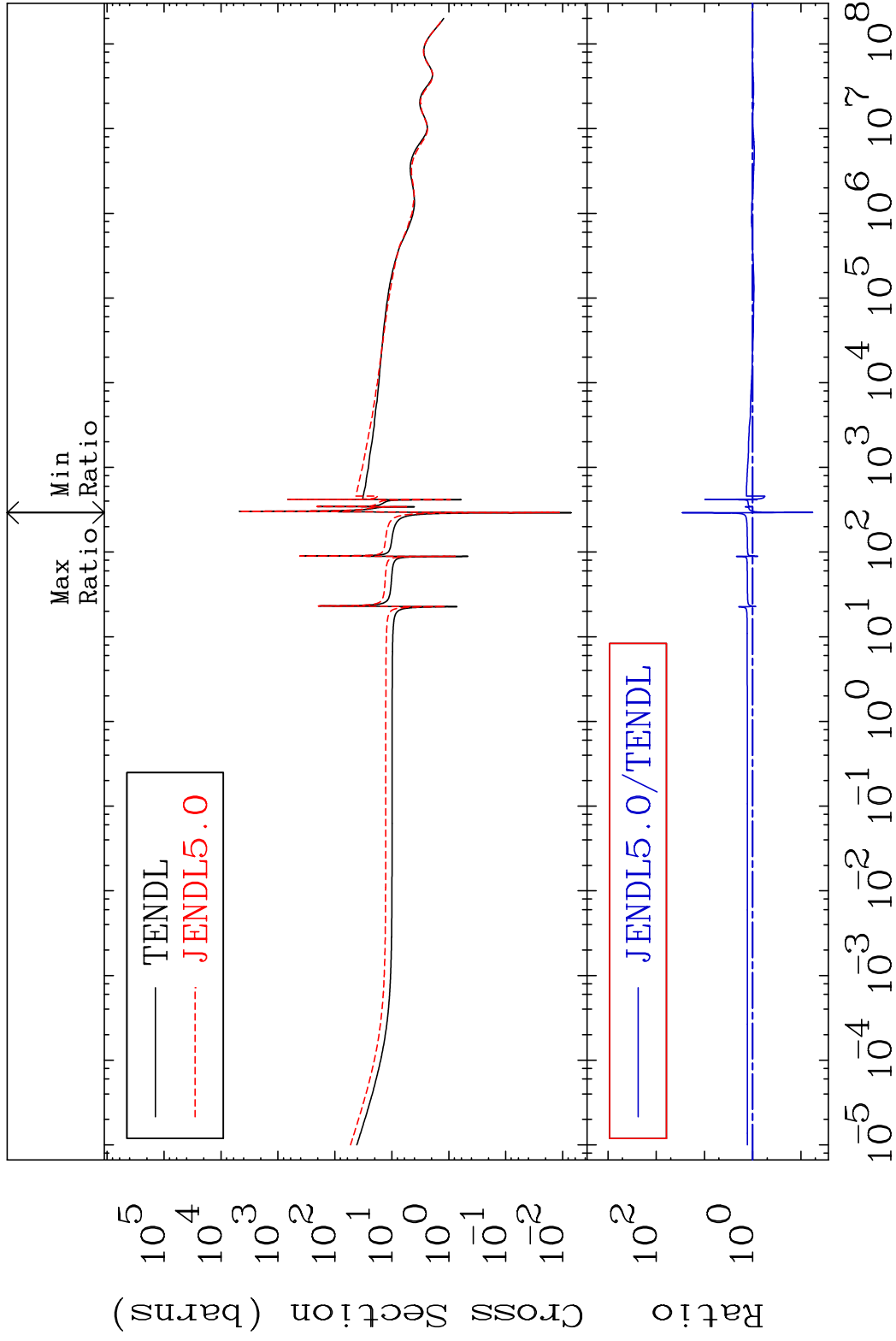
80-Hg-198

MAT 8031

Elastic

80-Hg-198

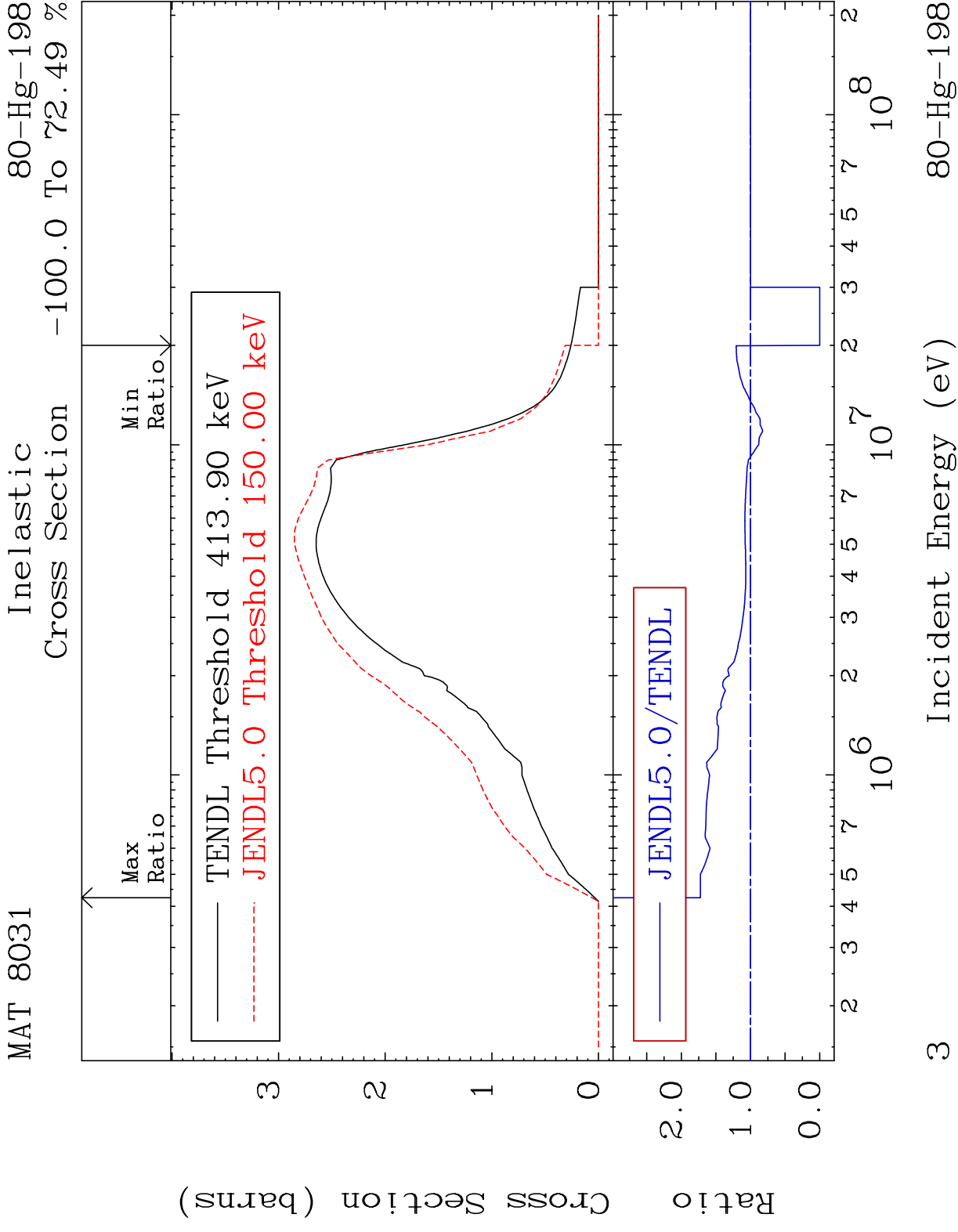
Cross Section -94.27 To 2768. %



2

Incident Energy (eV)

80-Hg-198

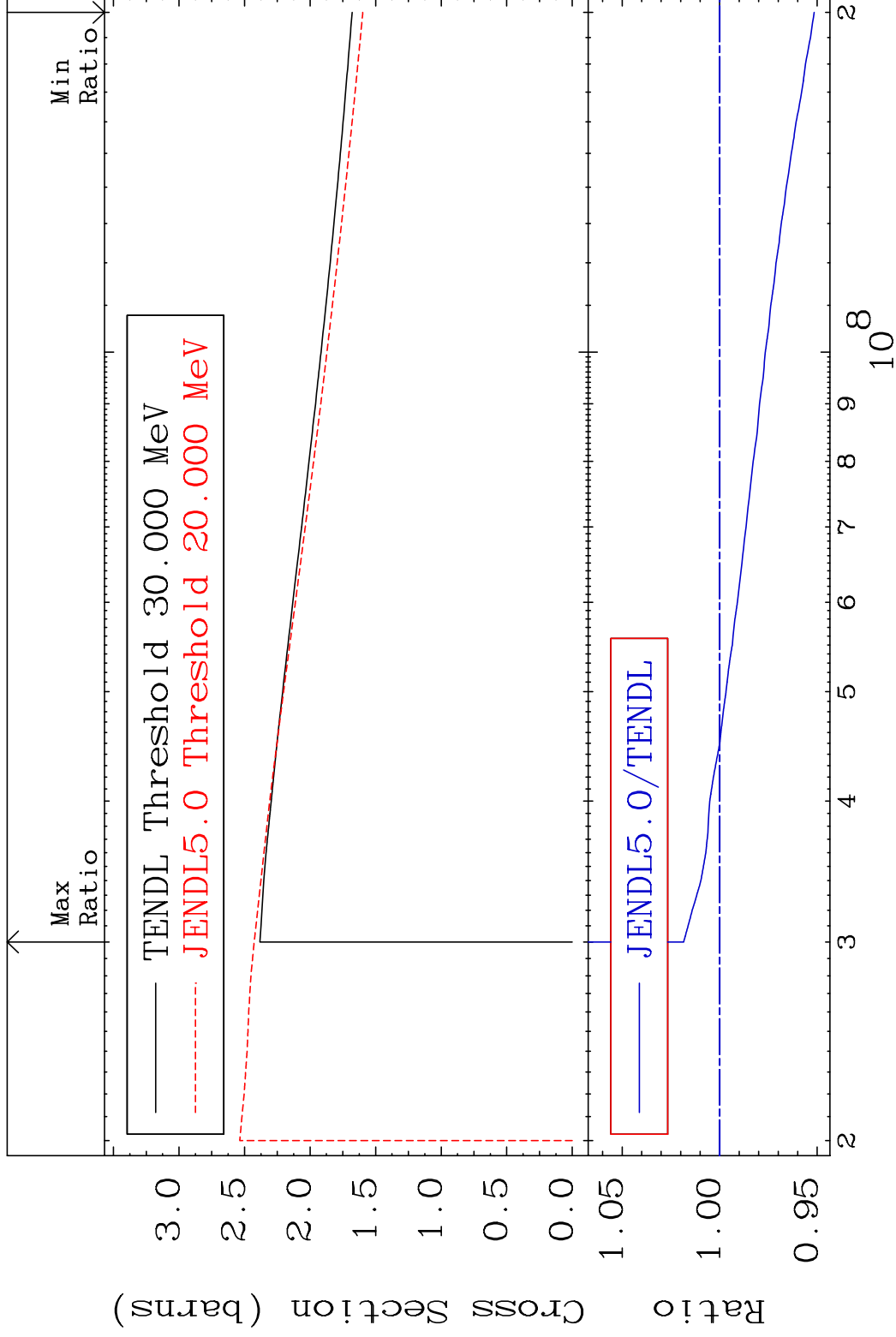


MAT 8031

(n, remainder)

80-Hg-198

Cross Section -4.841 To 1.846 %



4

Incident Energy (eV)

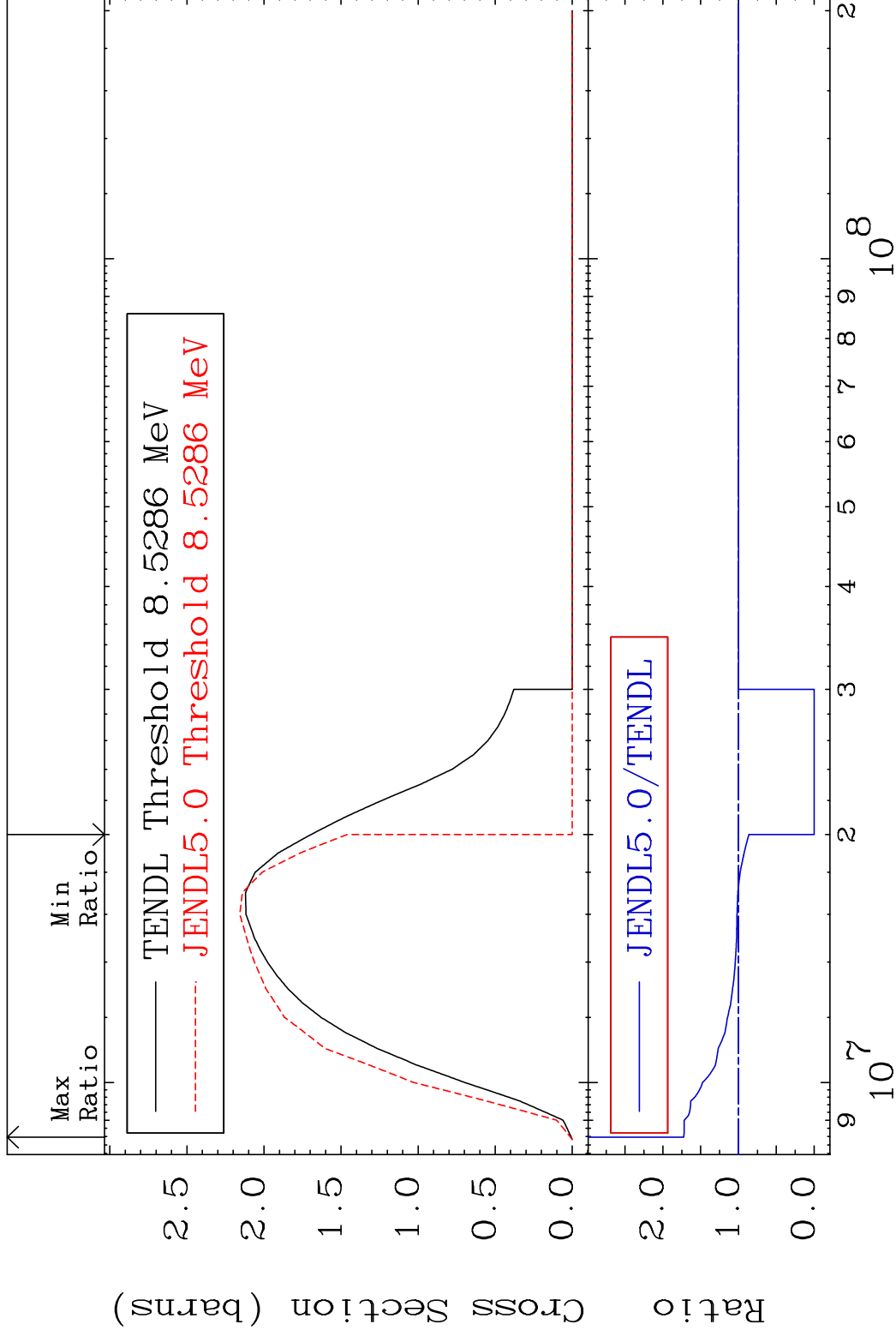
80-Hg-198

MAT 8031

(n,2n)

80-Hg-198

Cross Section -100.0 To 72.52 %



5

Incident Energy (eV)

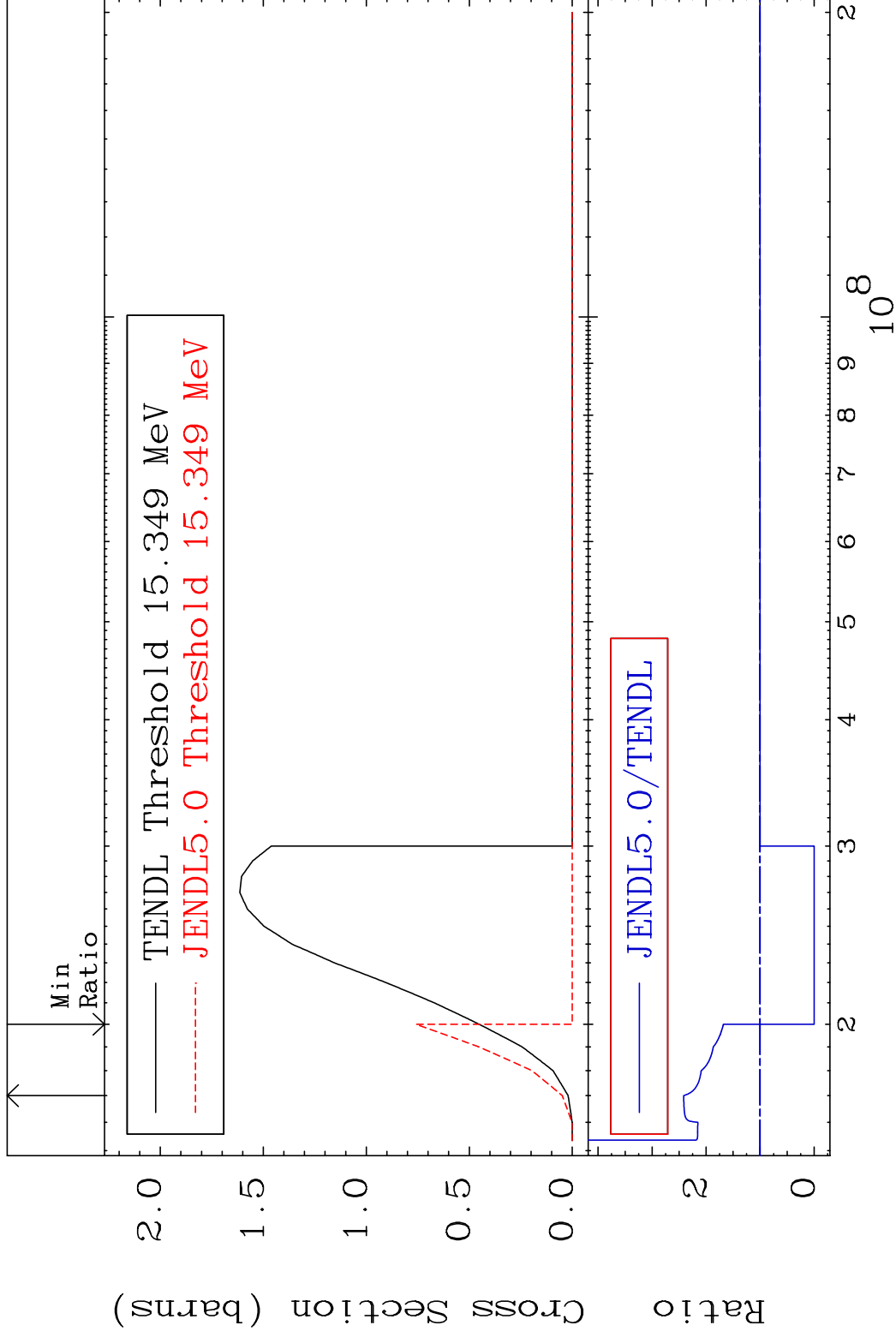
80-Hg-198

MAT 8031

(n,3n)

80-Hg-198

Cross Section -100.0 To 141.6 %



6

Incident Energy (eV)

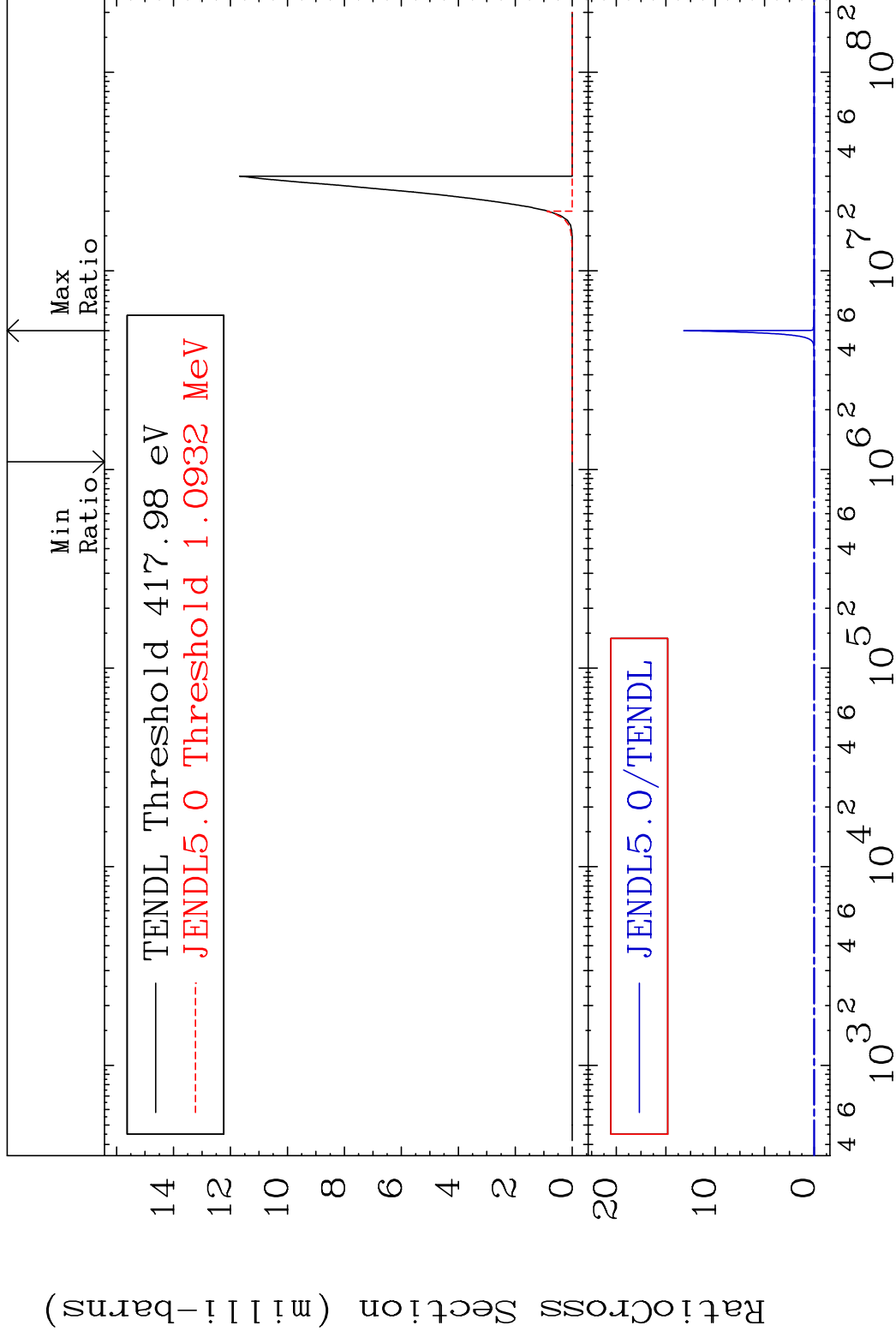
80-Hg-198

MAT 8031

(n, n') α

80-Hg-198

Cross Section -100.0 To 9999. %

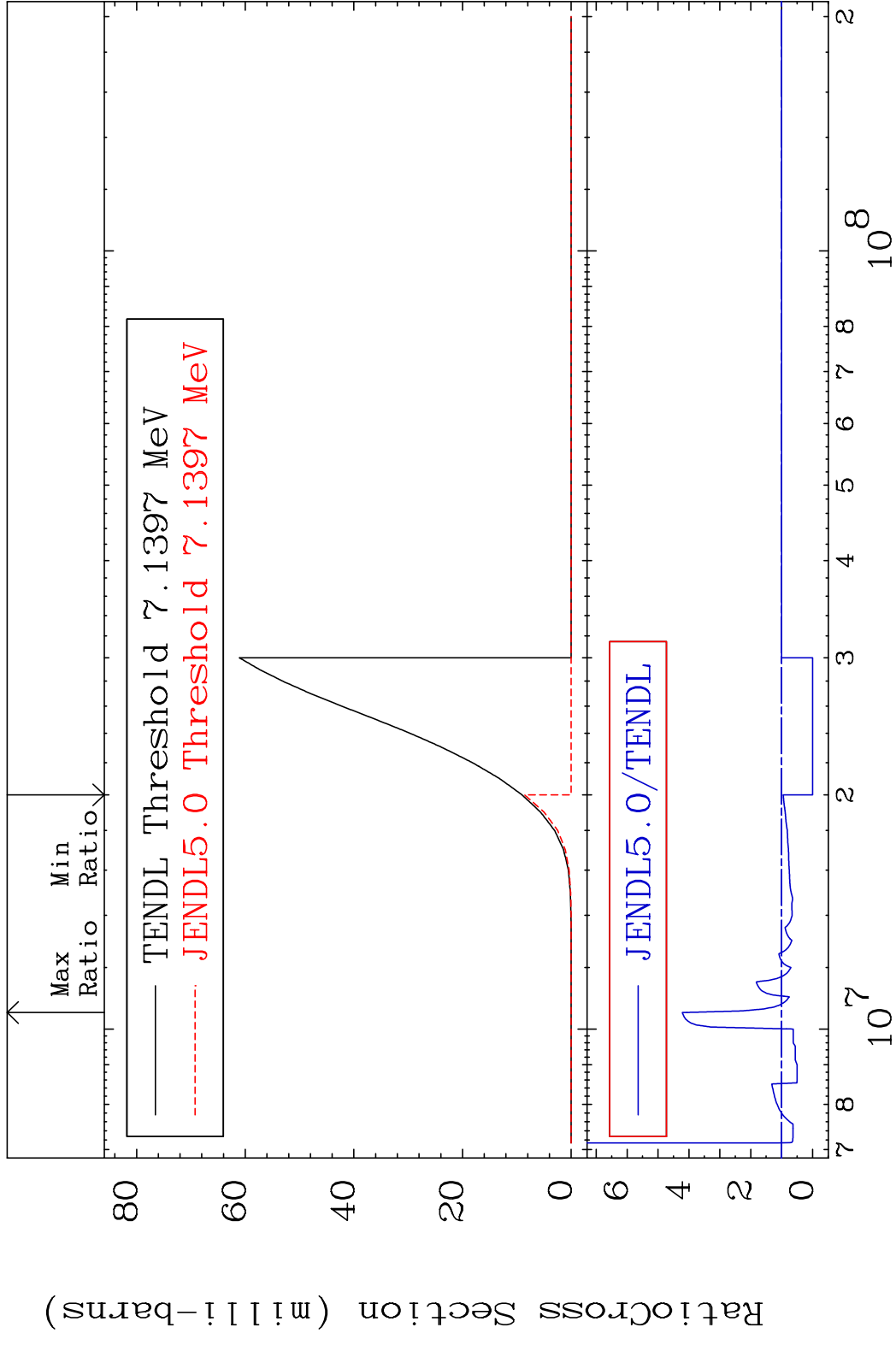


7

Incident Energy (eV)

80-Hg-198

MAT 8031 (n, n') p 80-Hg-198
 Cross Section -100.0 To 321.2 %



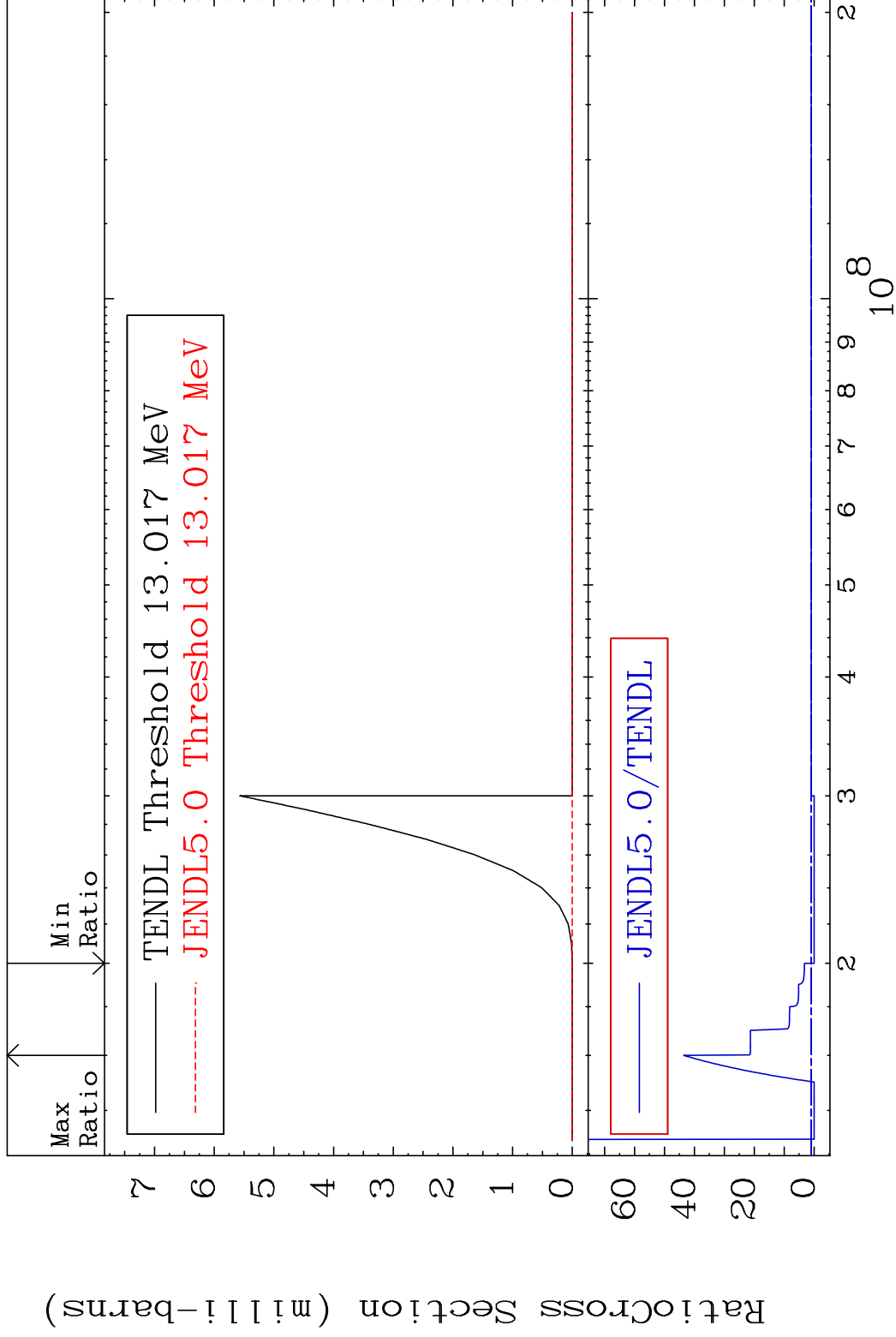
8 80-Hg-198

MAT 8031

(n, n') d

80-Hg-198

Cross Section -100.0 To 4259. %



9

Incident Energy (eV)

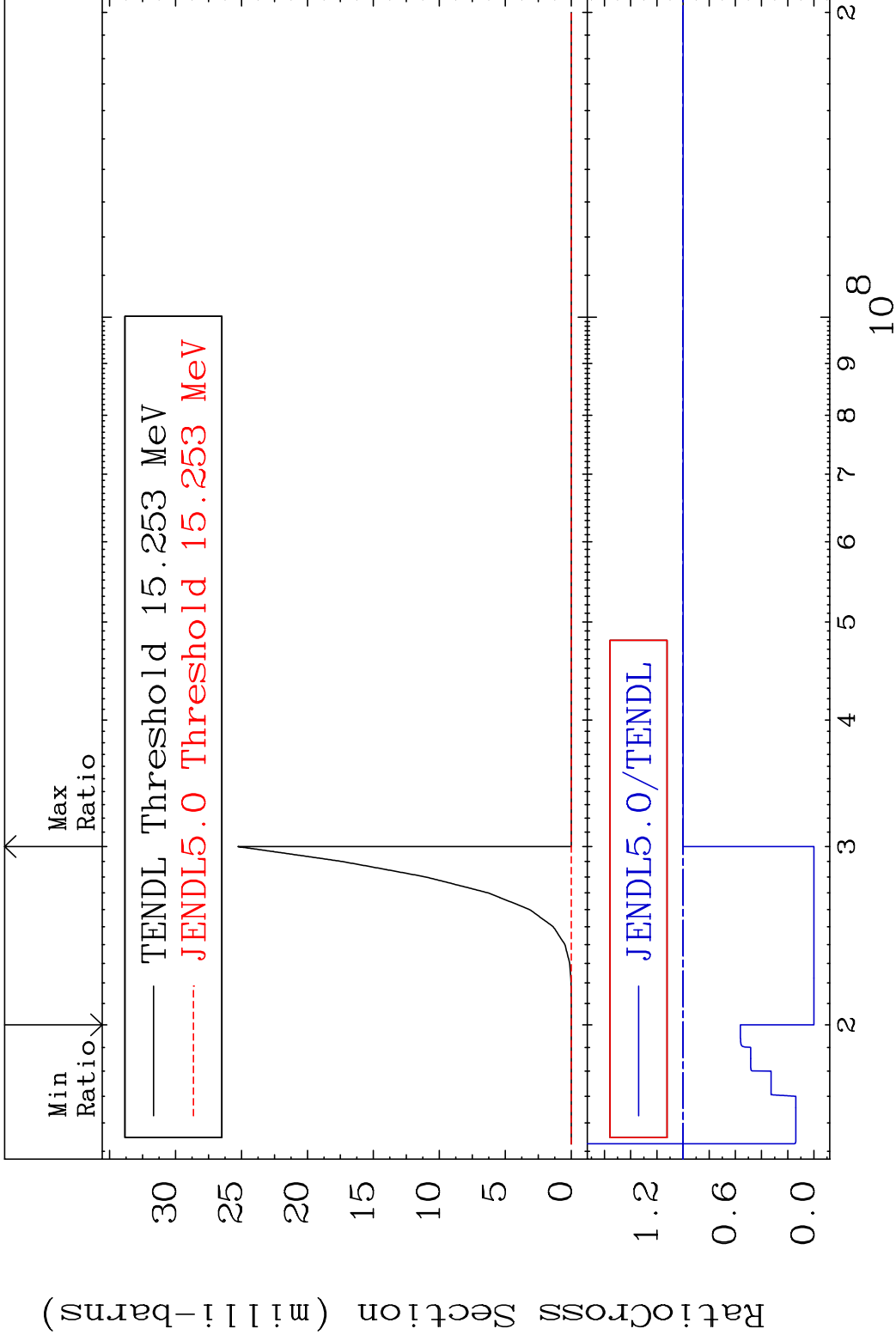
80-Hg-198

MAT 8031

(n,2n) p

80-Hg-198

Cross Section -100.0 To 0.000 %

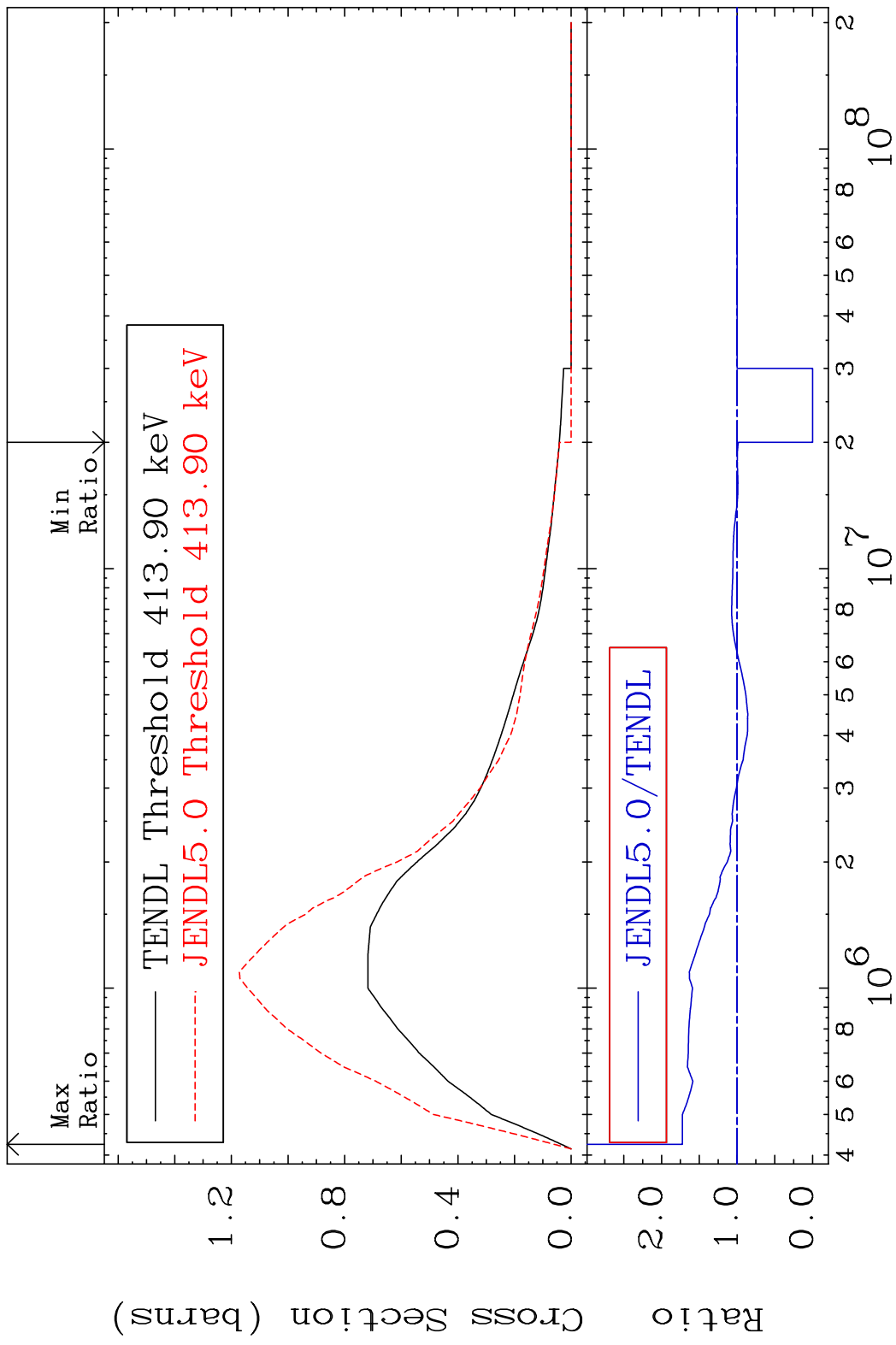


10

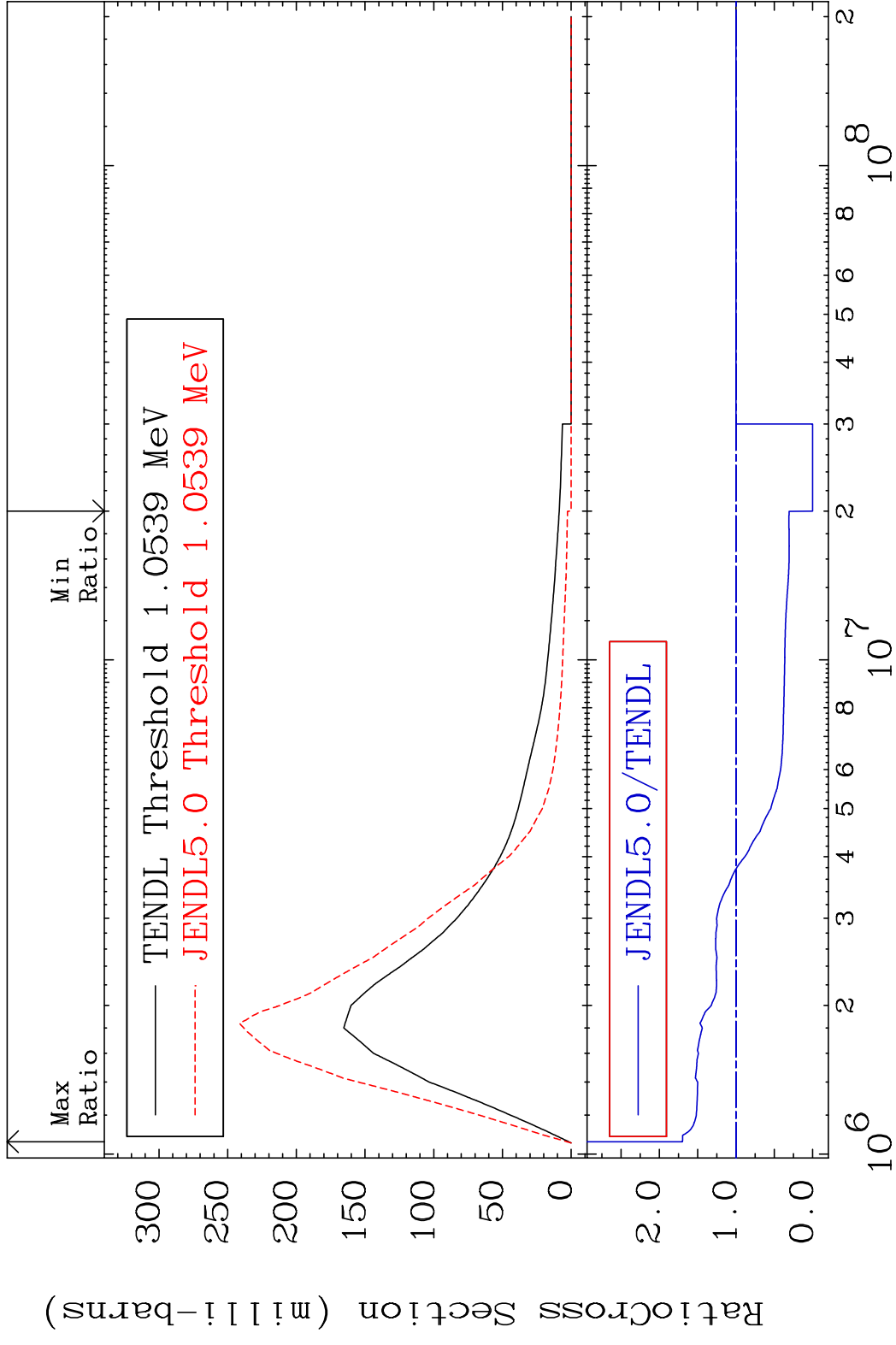
Incident Energy (eV)

80-Hg-198

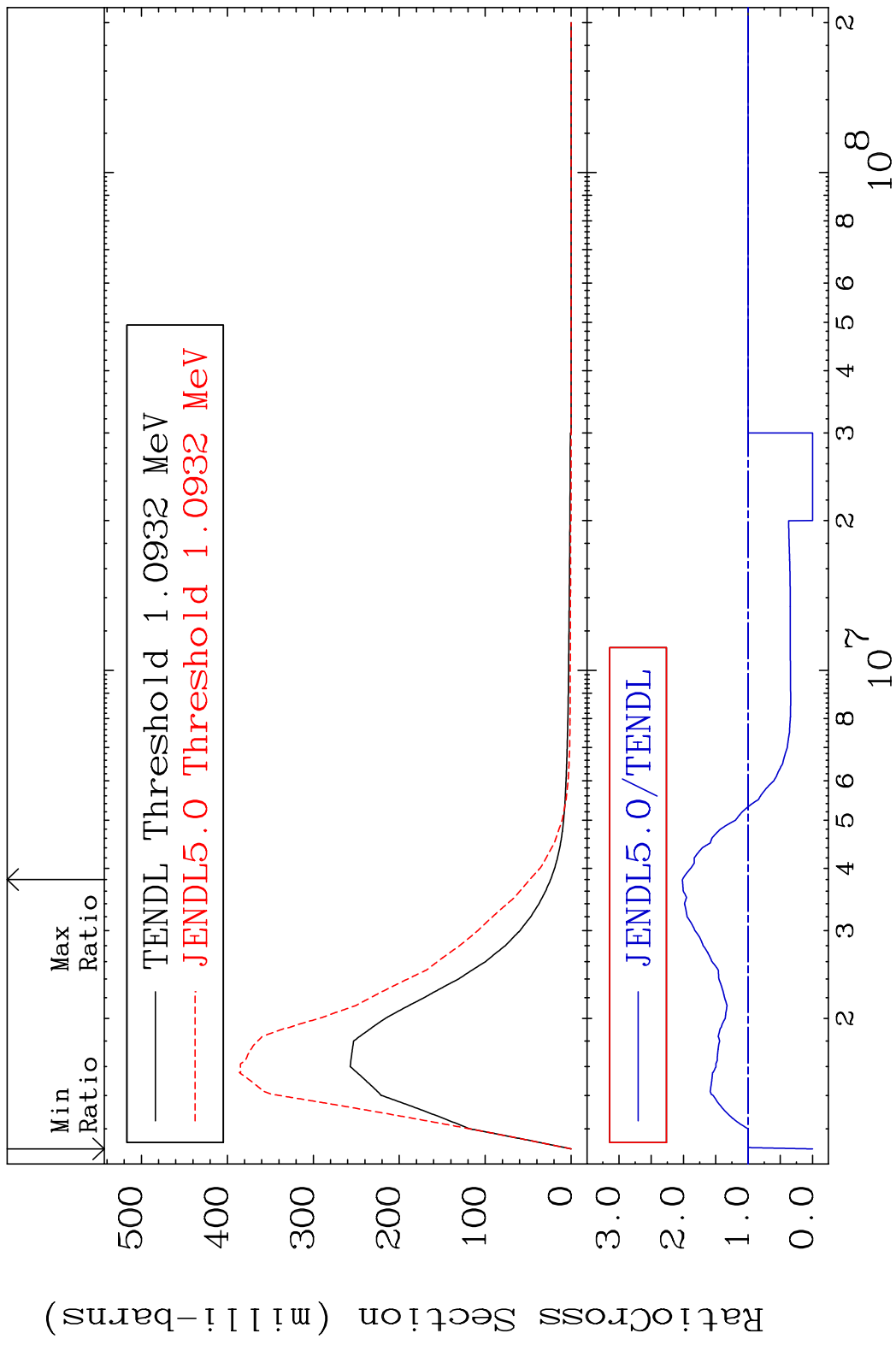
MAT 8031 MT= 51 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 72.44 %



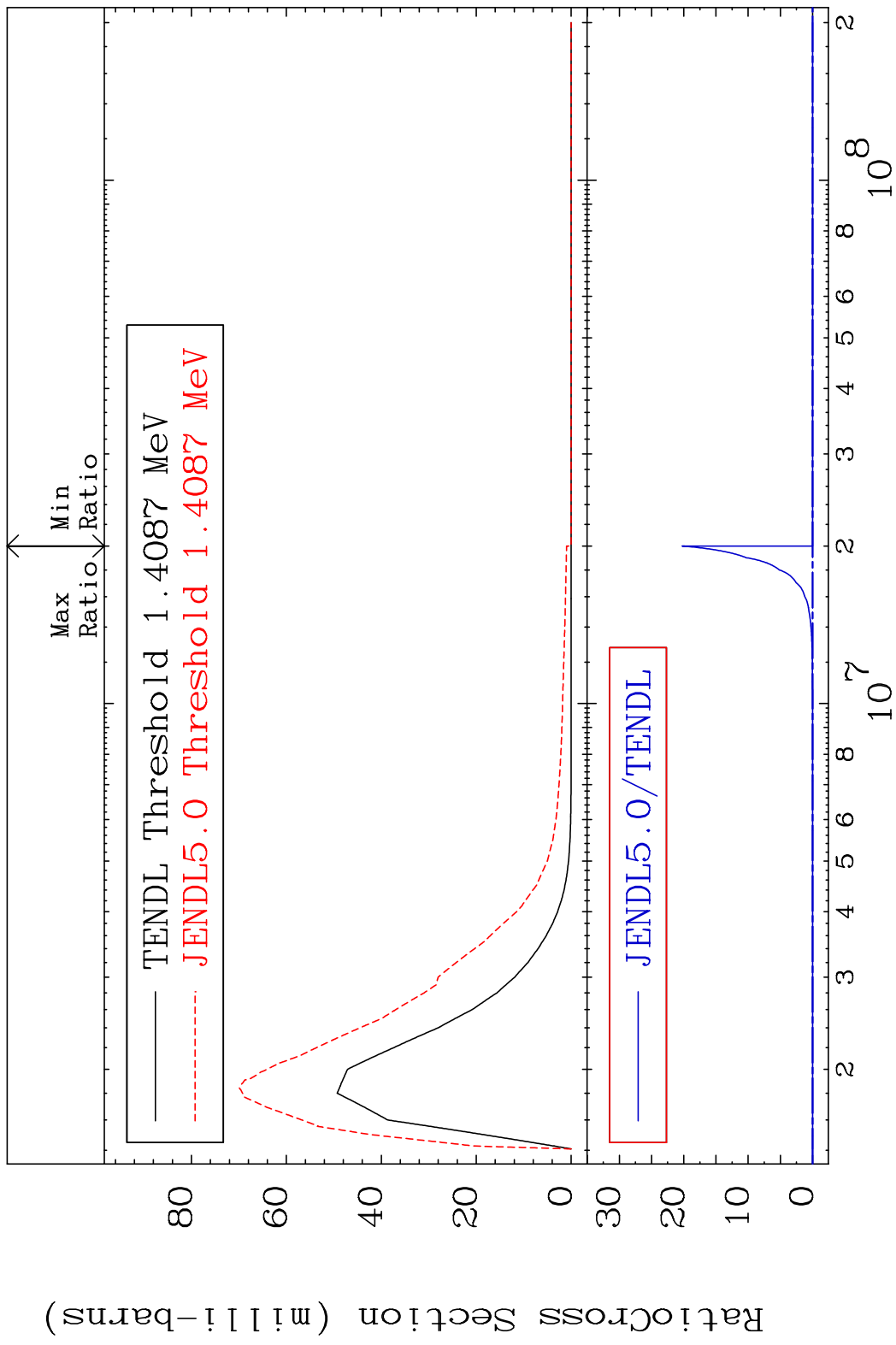
MAT 8031 MT= 52 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 69.89 %



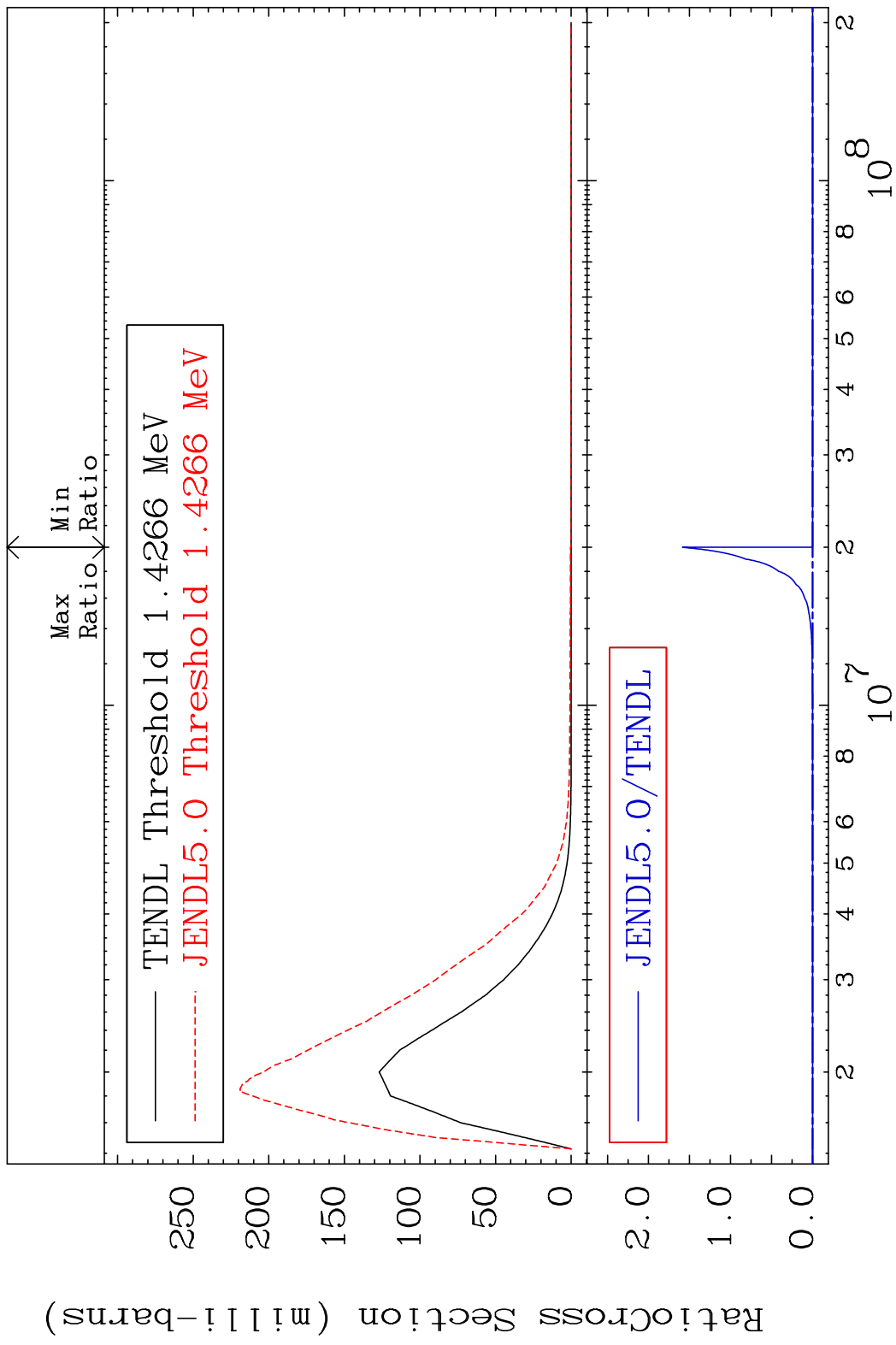
MAT 8031 MT= 53 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 101.8 %



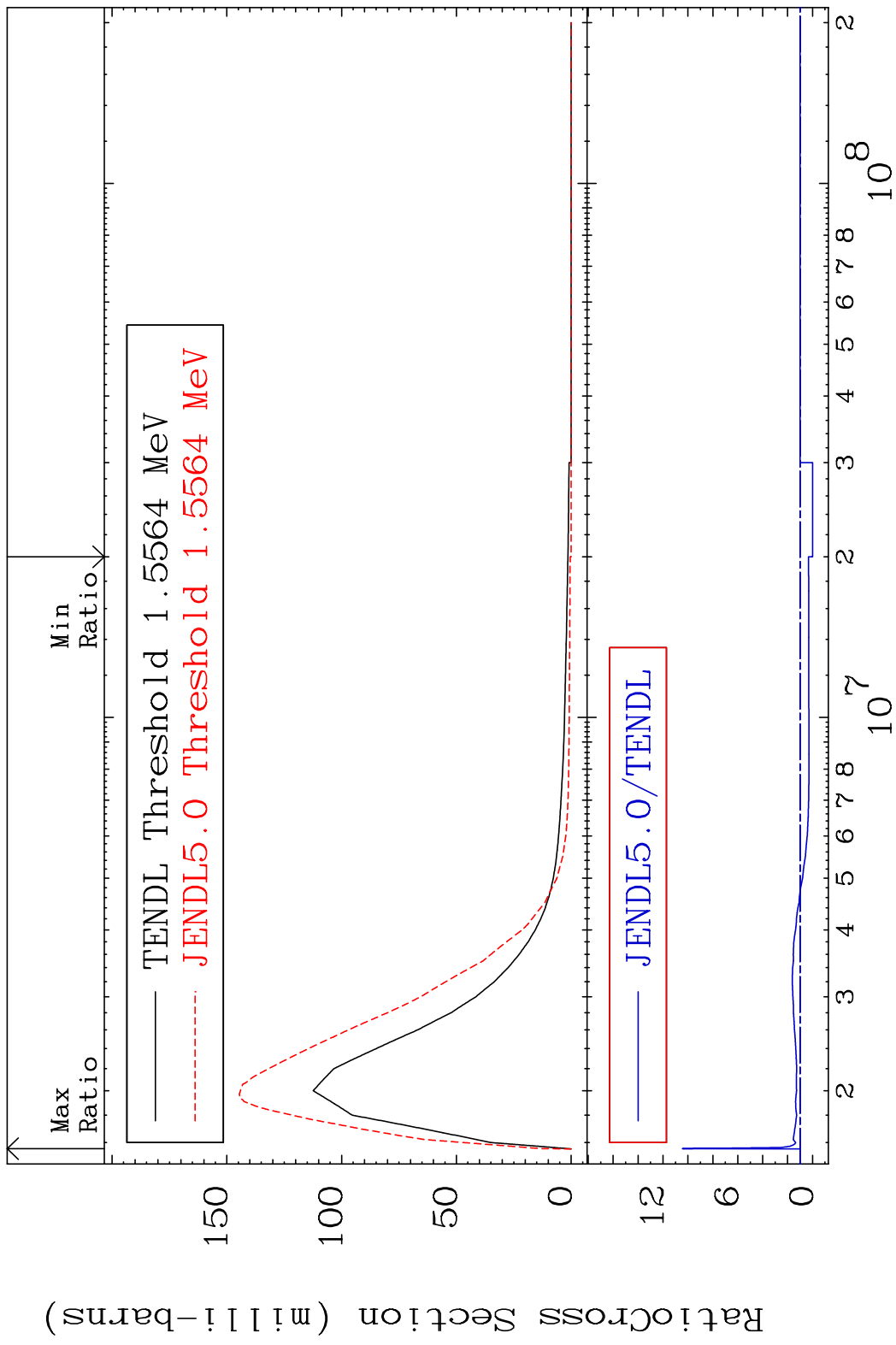
MAT 8031 MT= 54 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



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

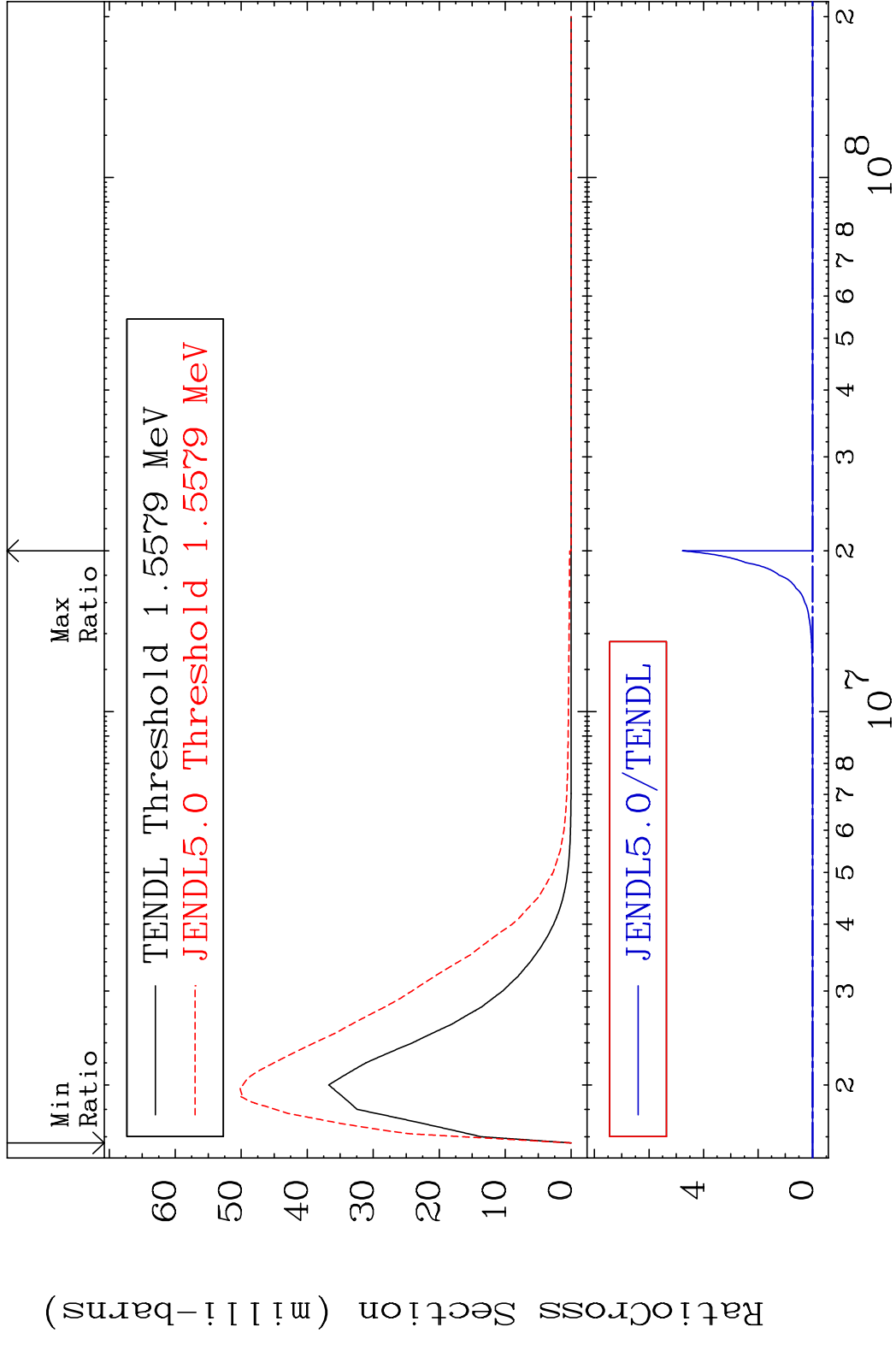


MAT 8031 MT= 56 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 944.8 %

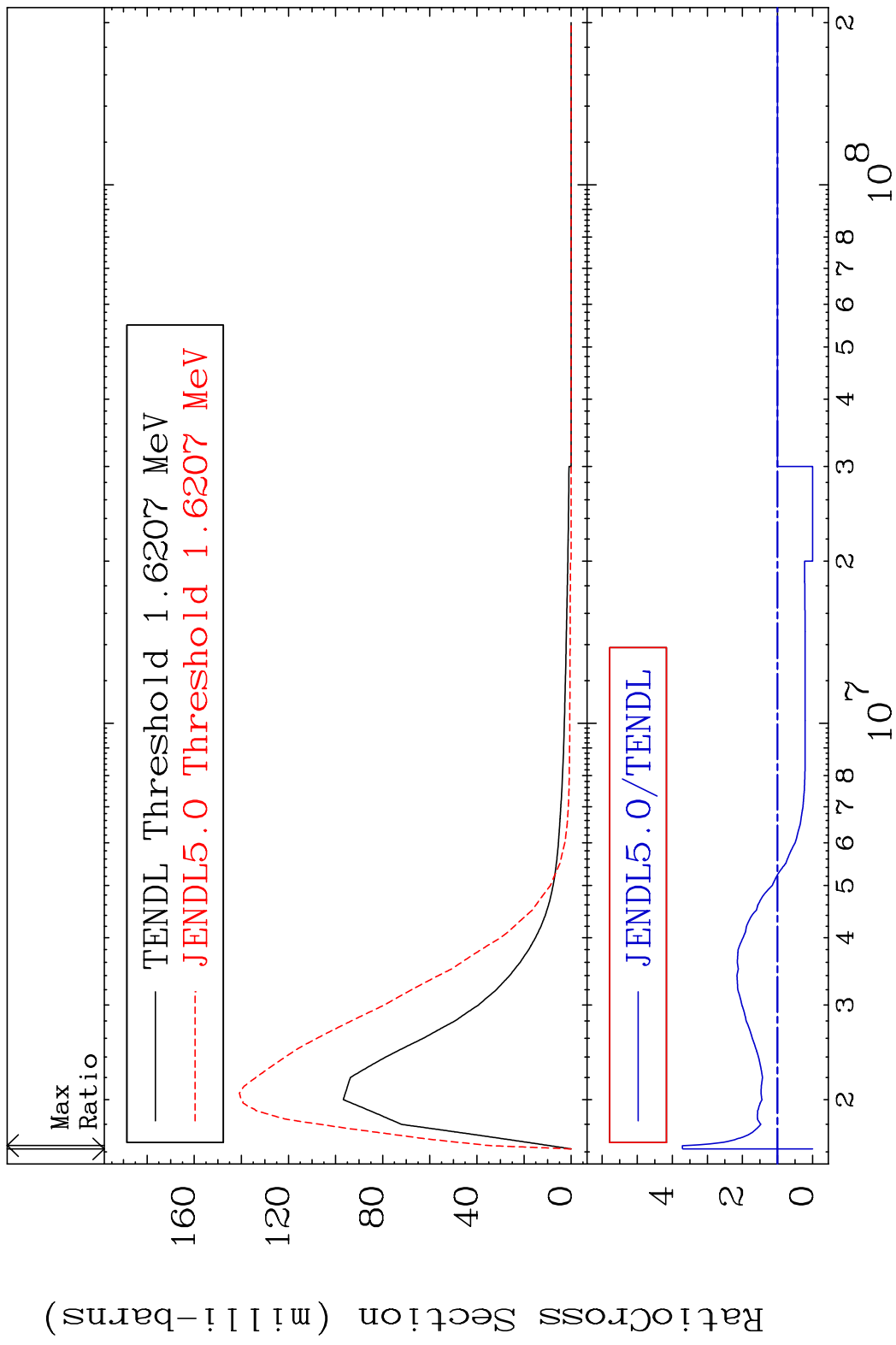


16 16 Incident Energy (eV) 80-Hg-198

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

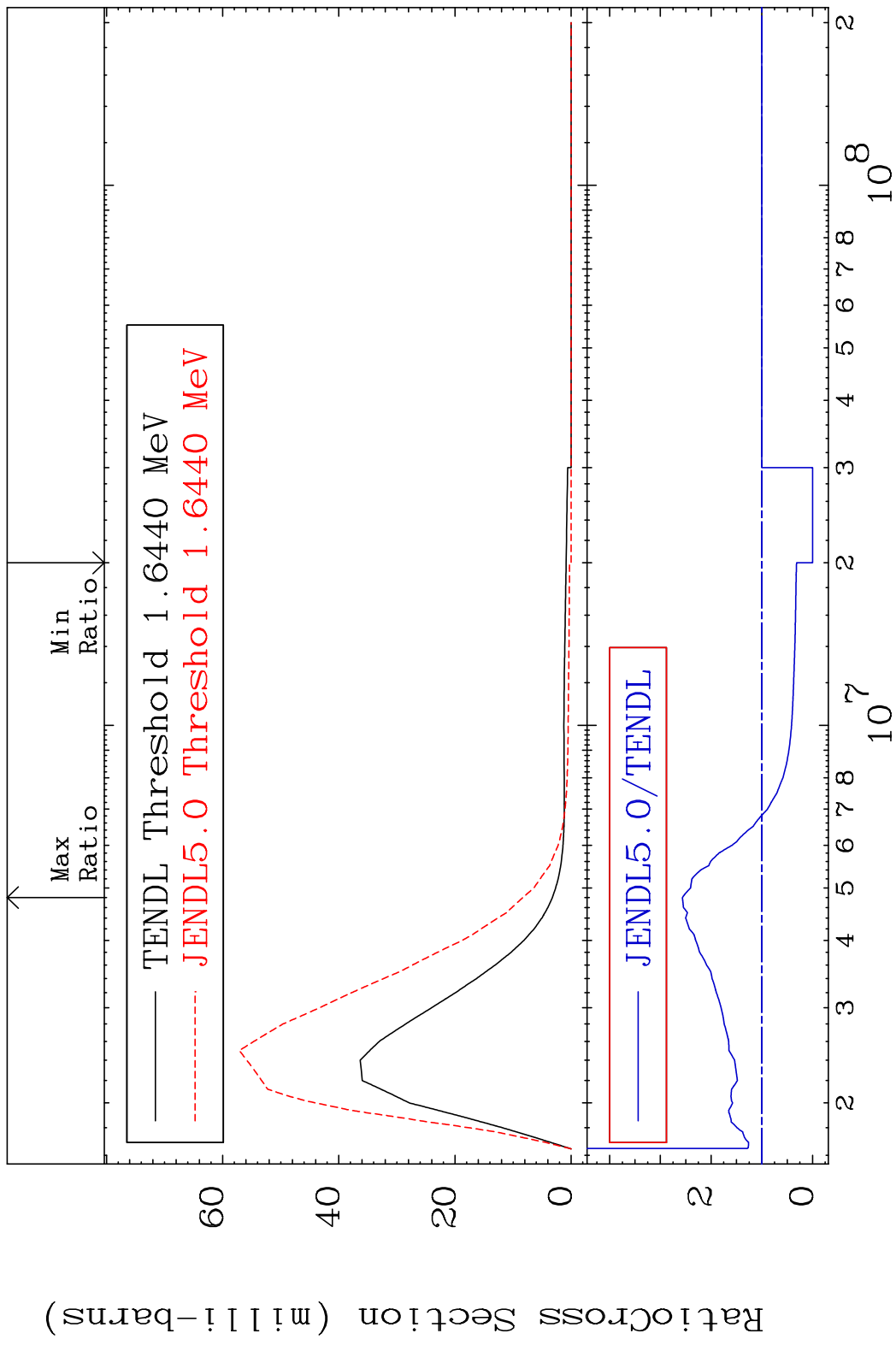


MAT 8031 MT= 58 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 271.4 %

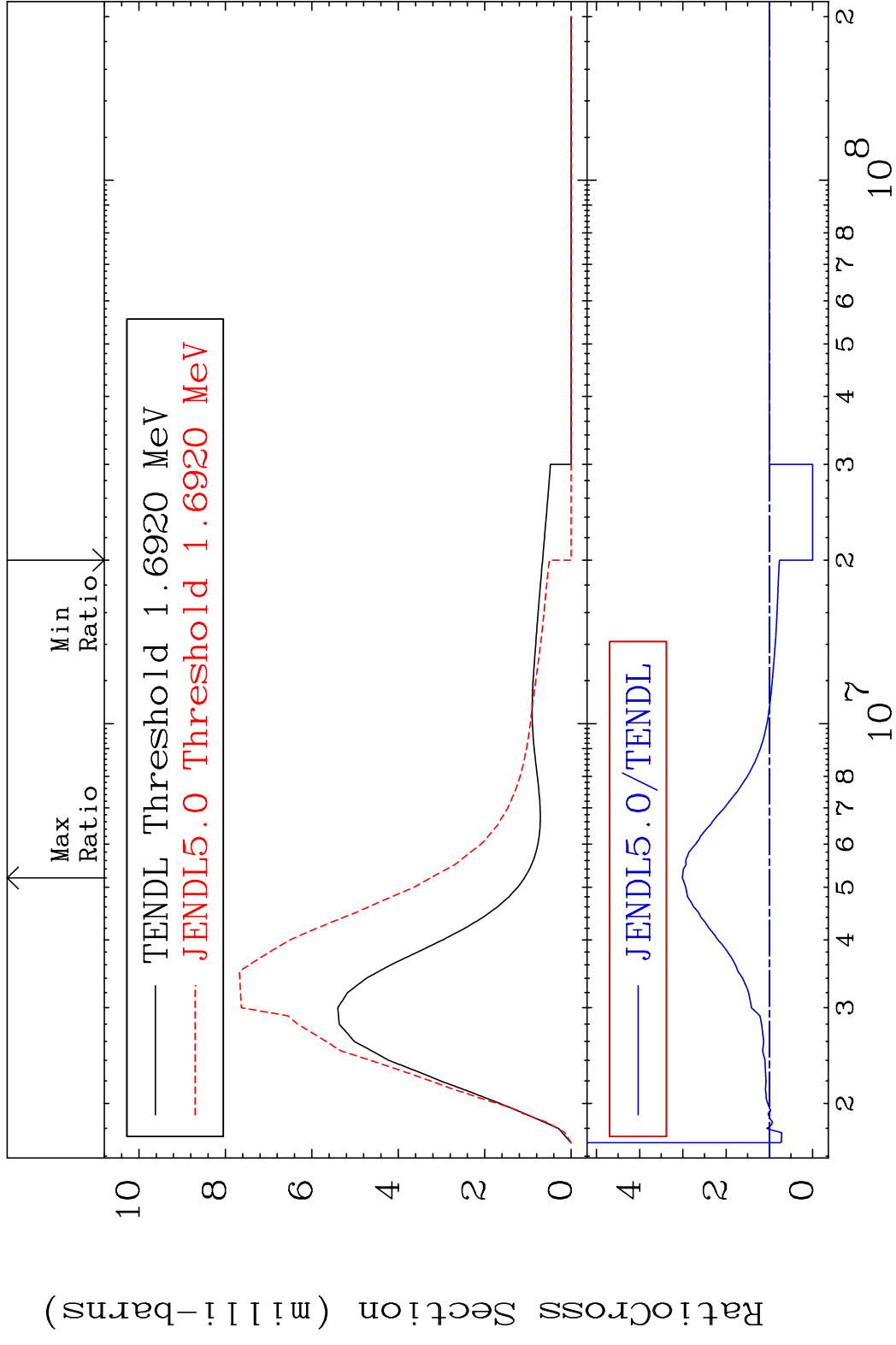


18 80-Hg-198

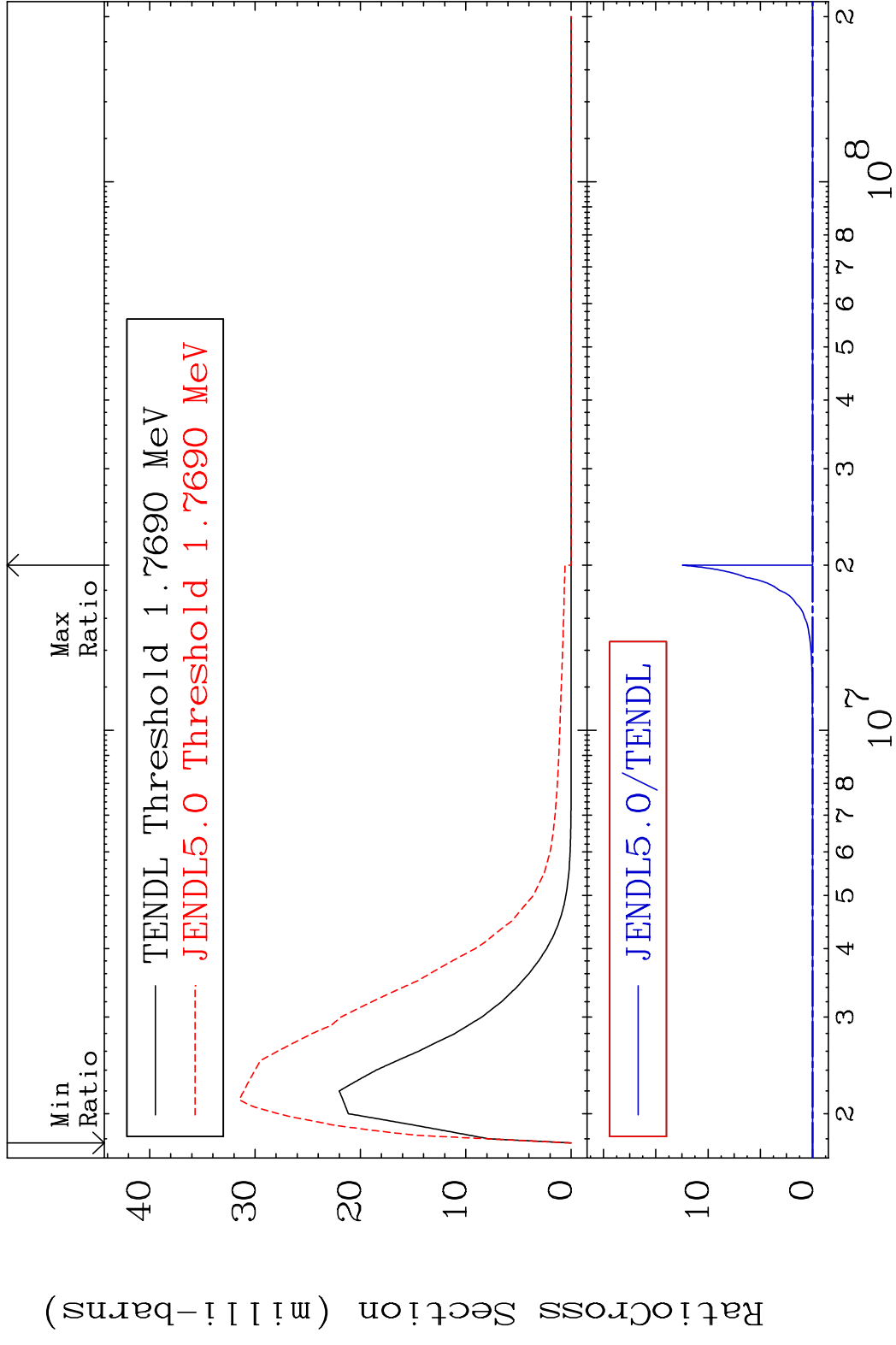
MAT 8031 MT= 59 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 156.7 %



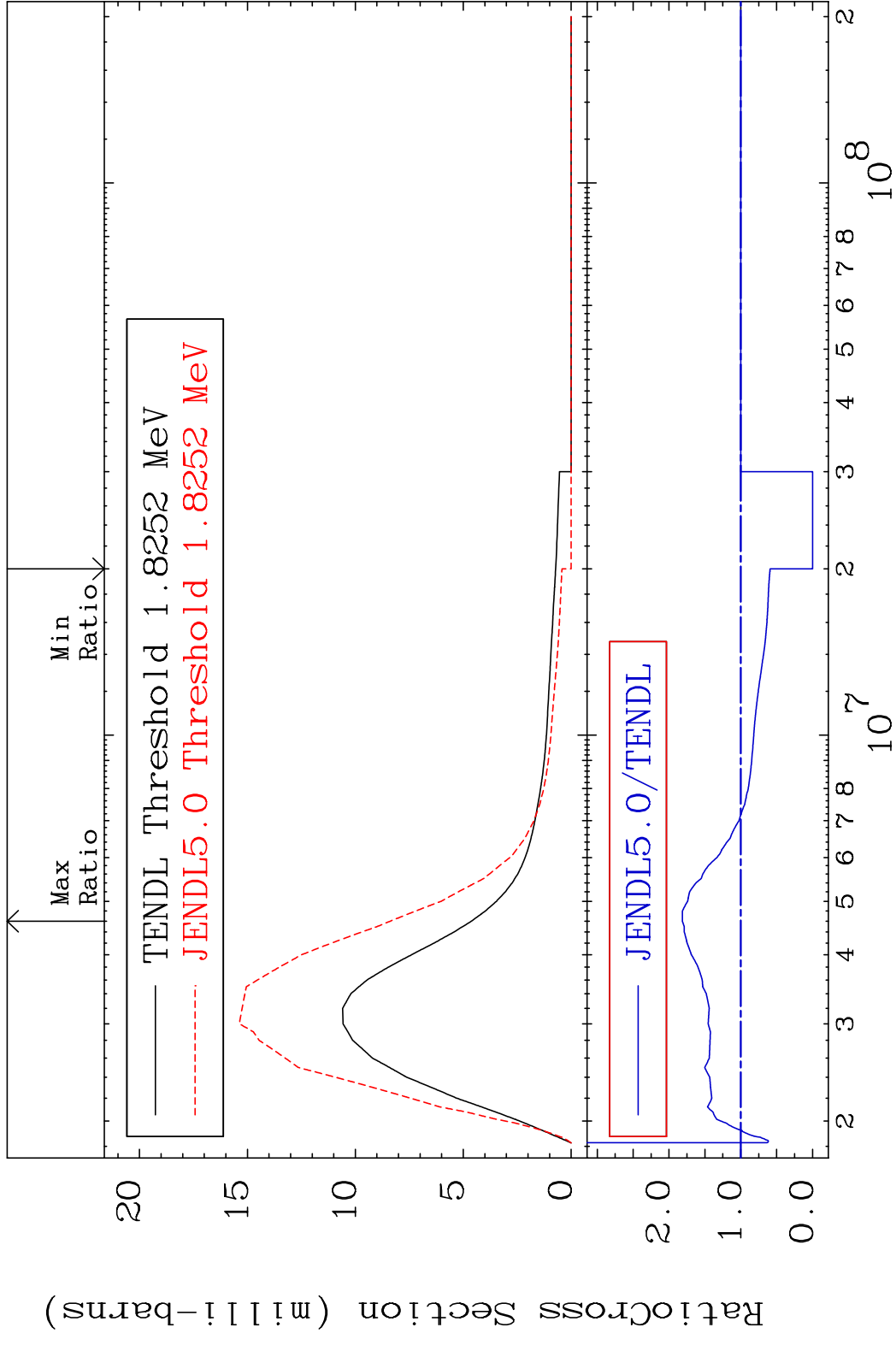
MAT 8031 MT= 60 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 201.2 %



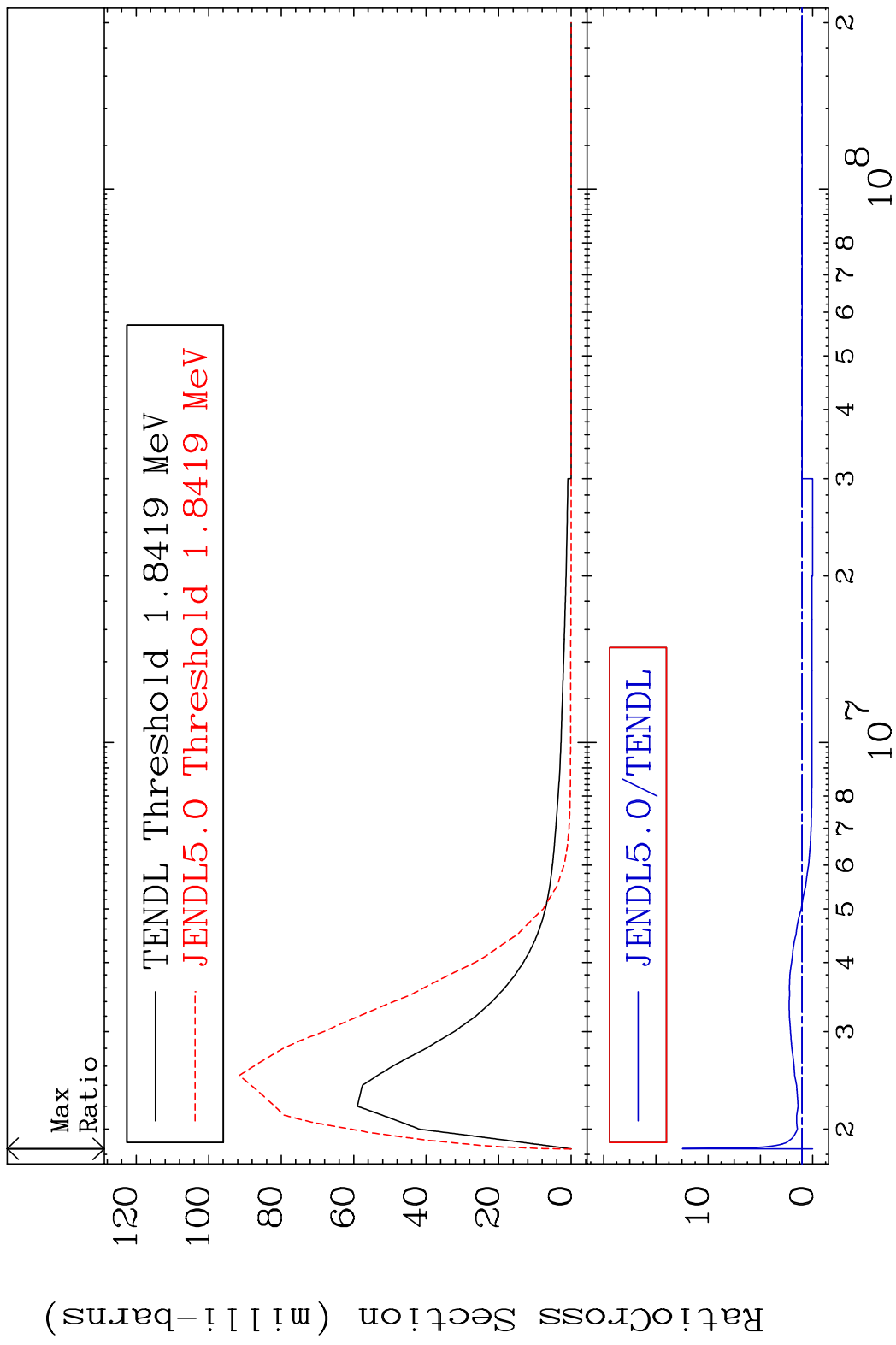
MAT 8031 MT= 61 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



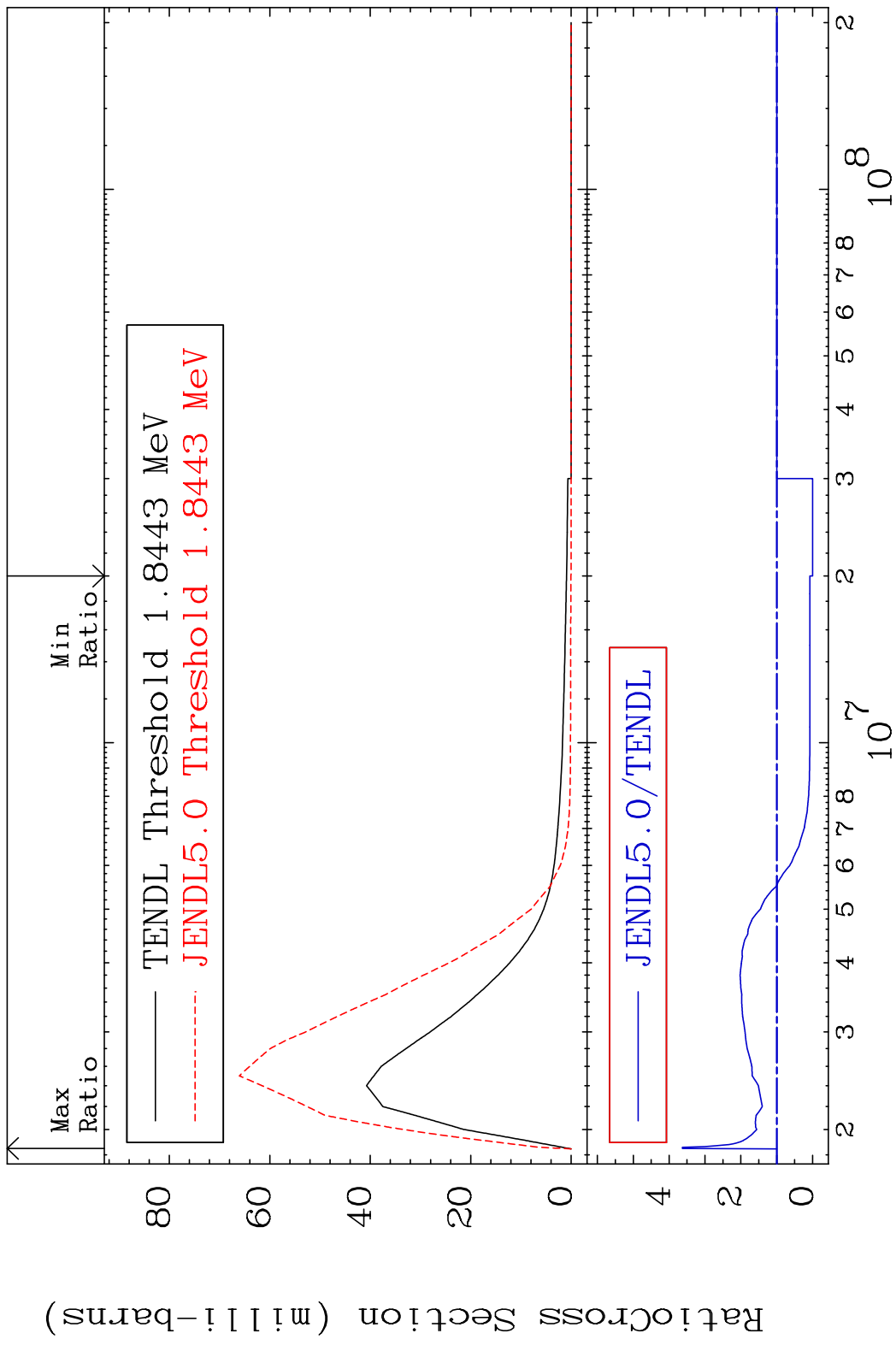
MAT 8031 MT= 62 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 81.40 %



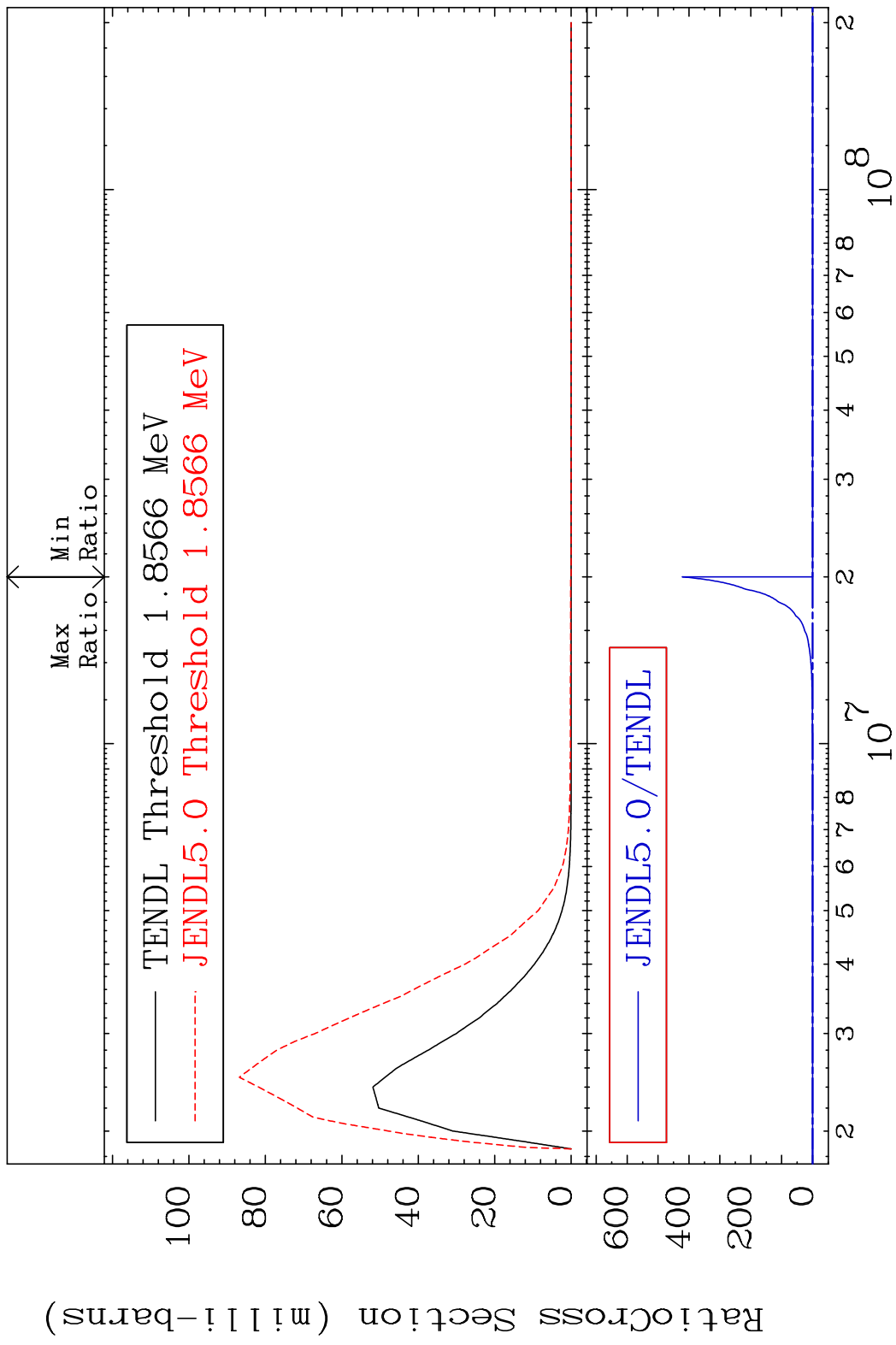
MAT 8031 MT= 63 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 1147. %



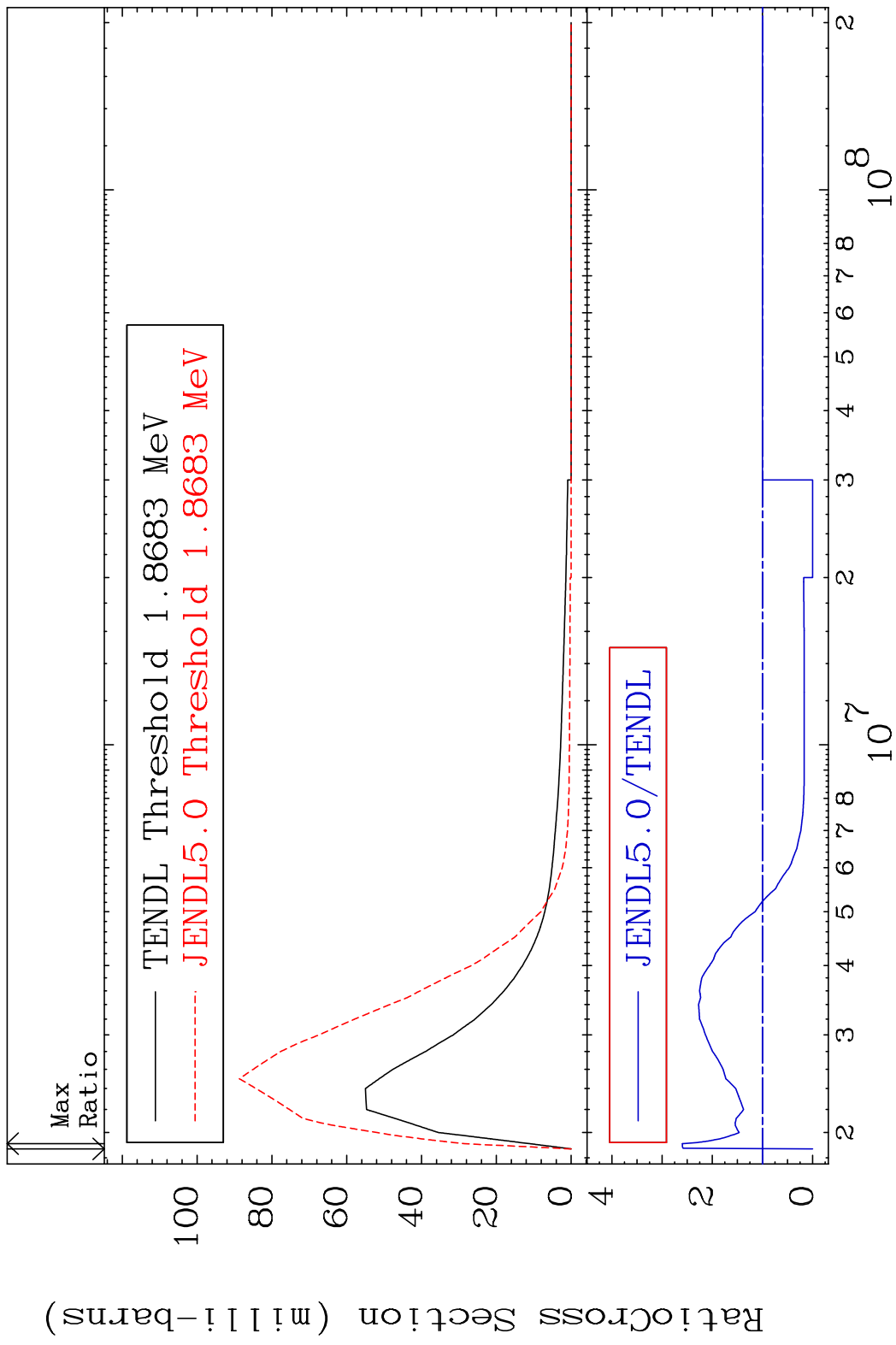
MAT 8031 MT= 64 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 263.1 %



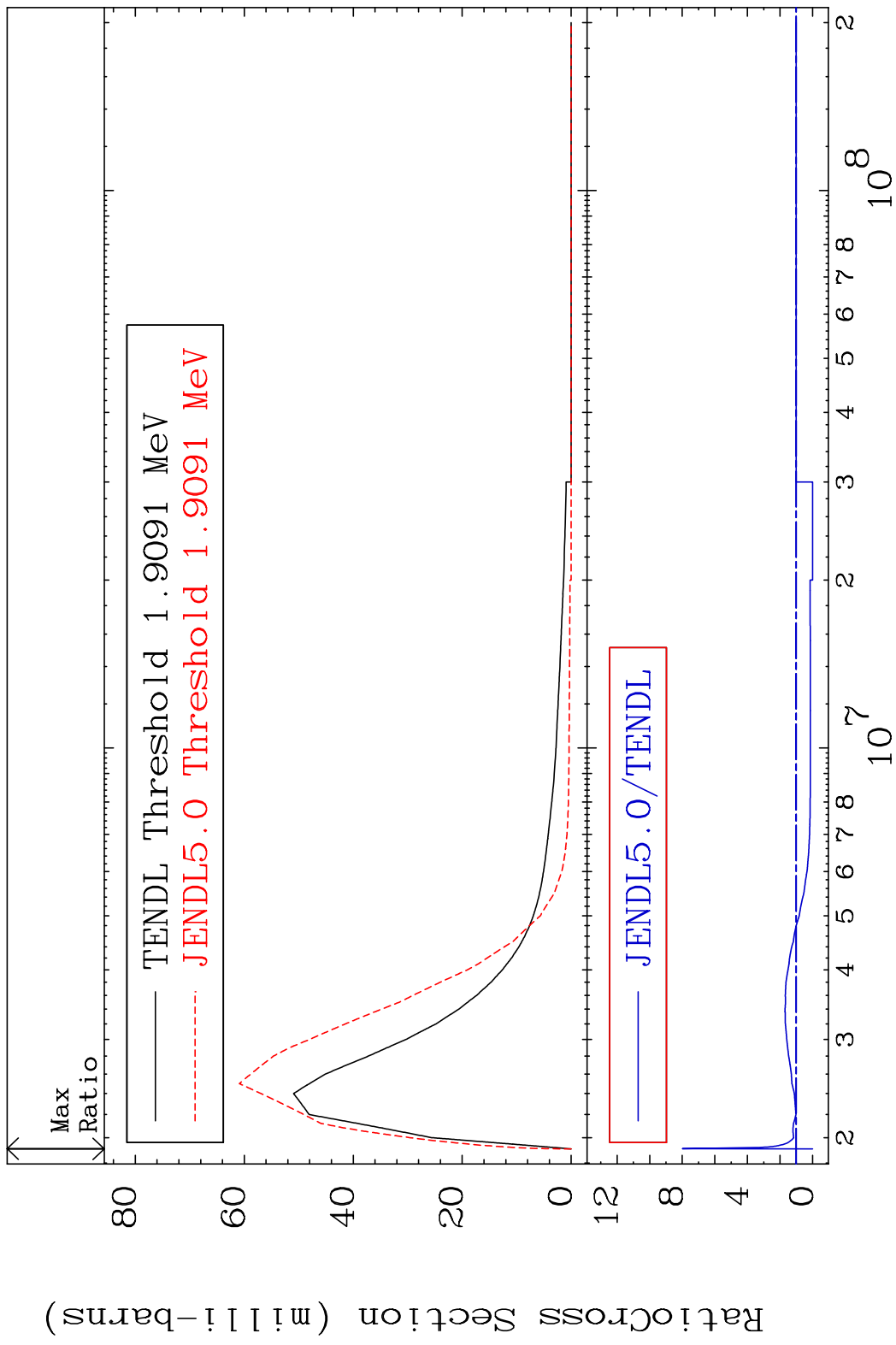
MAT 8031 MT= 65 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



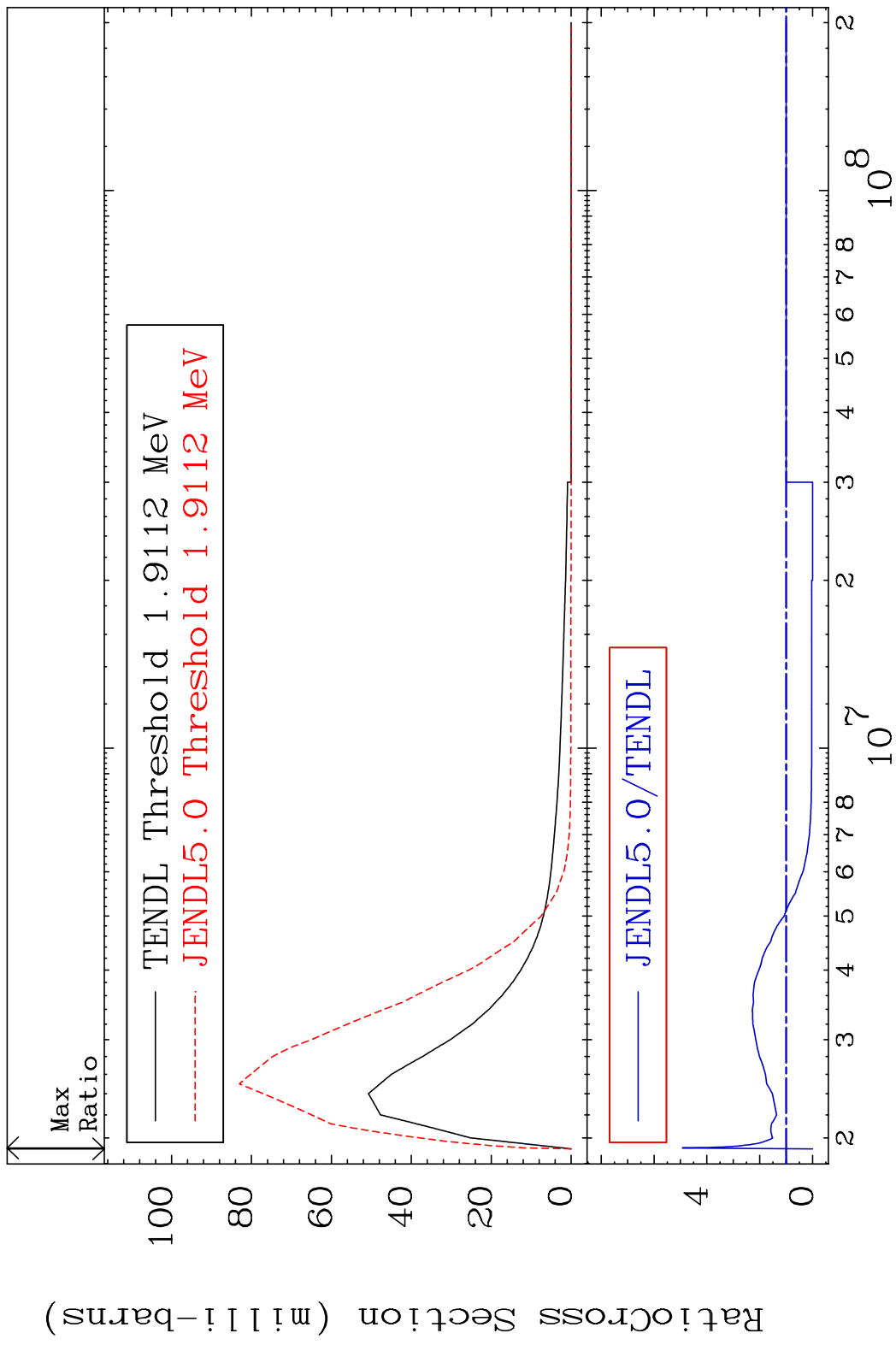
MAT 8031 MT= 66 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 159.5 %



MAT 8031 MT= 67 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 699.3 %

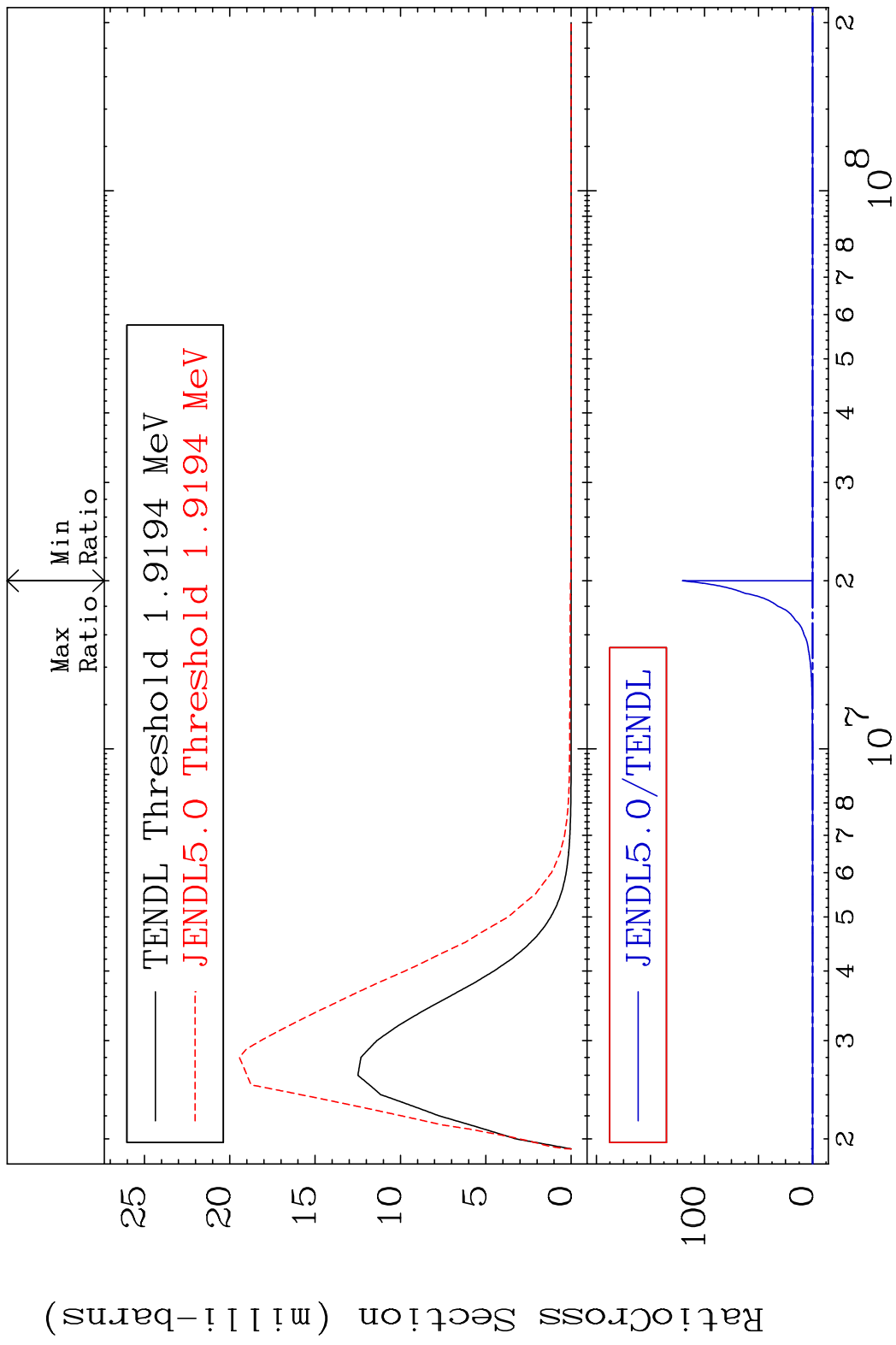


MAT 8031 MT= 68 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 392.8 %

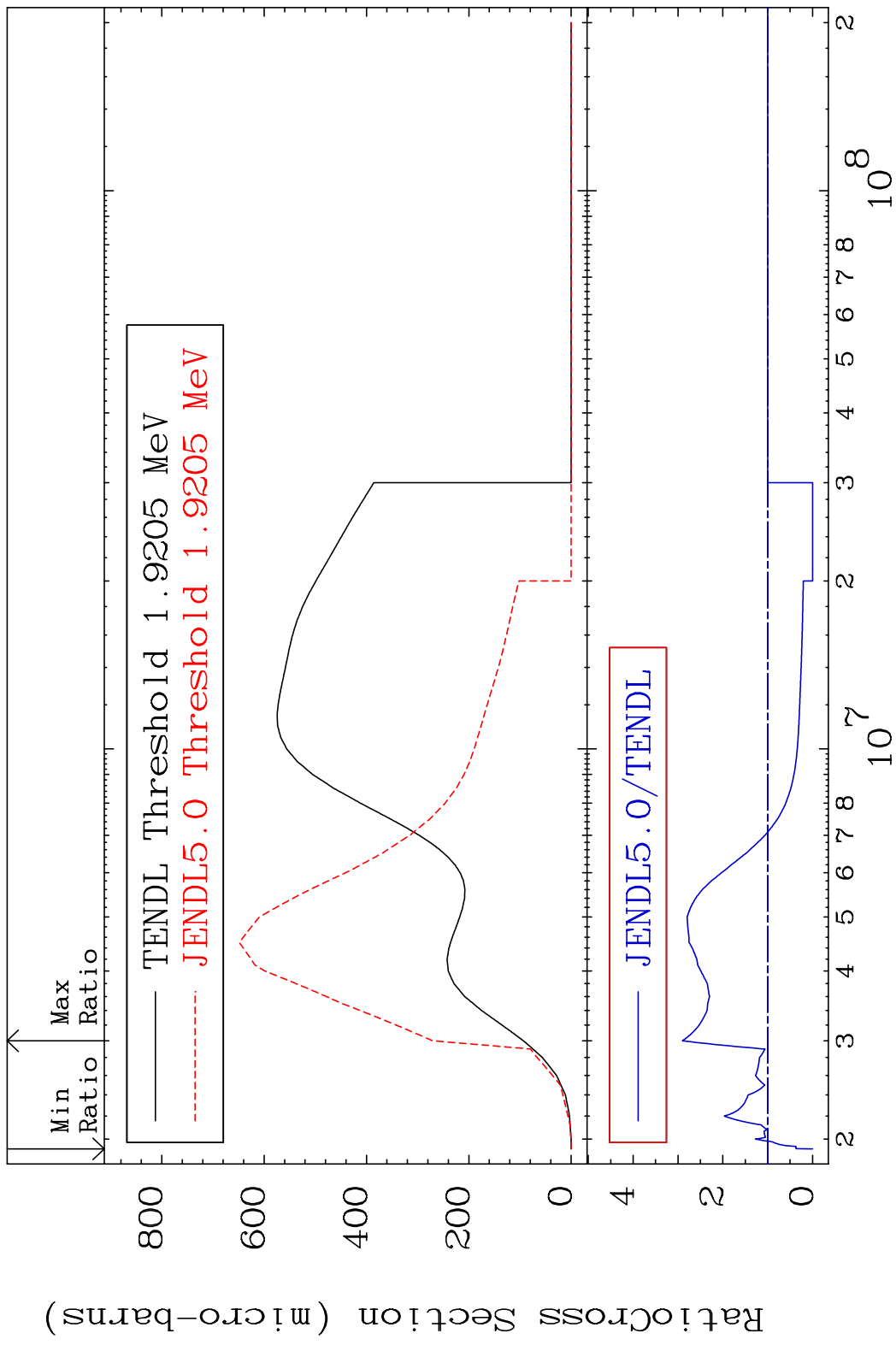


28 Incident Energy (eV) 80-Hg-198

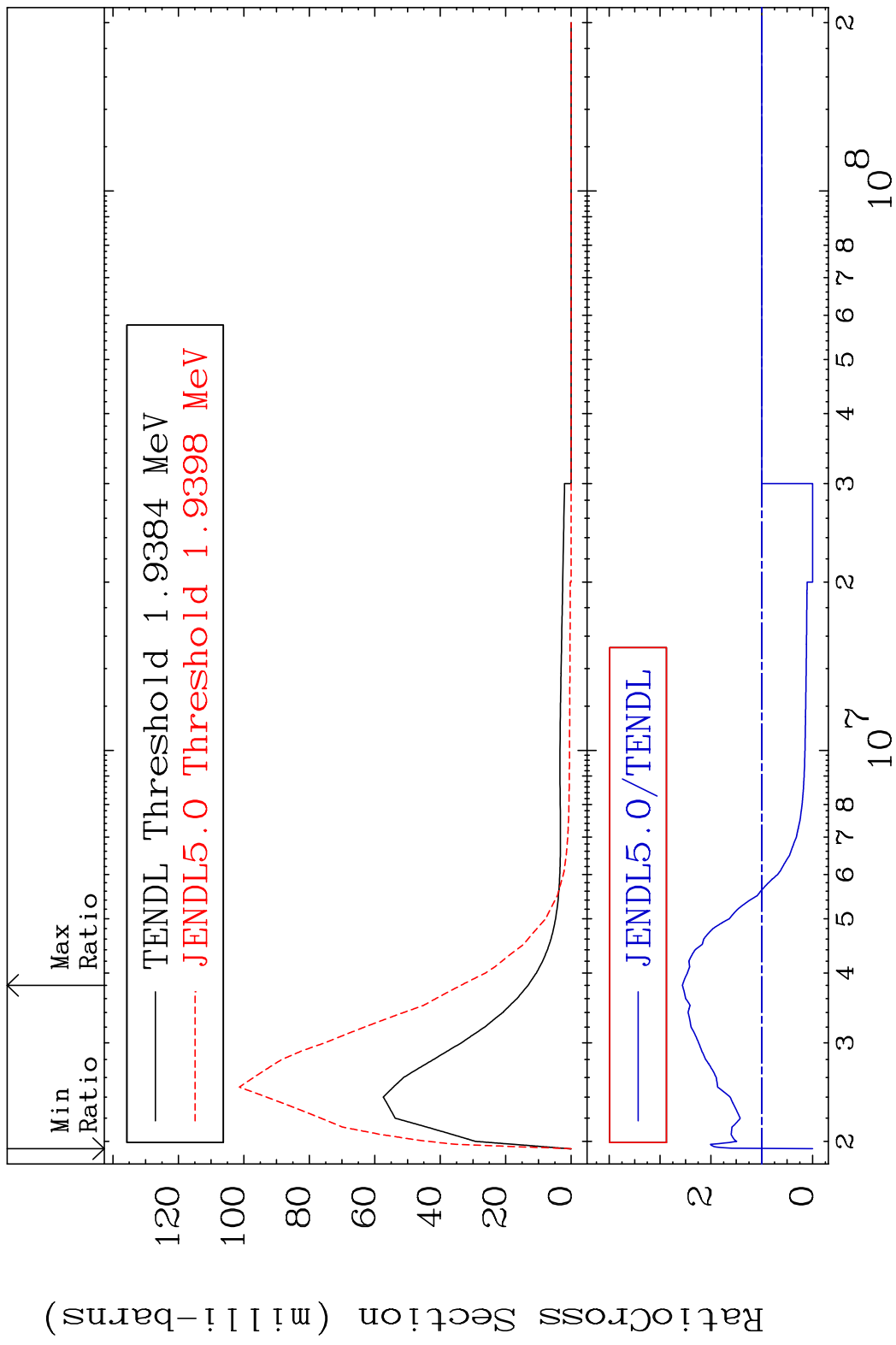
MAT 8031 MT= 69 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



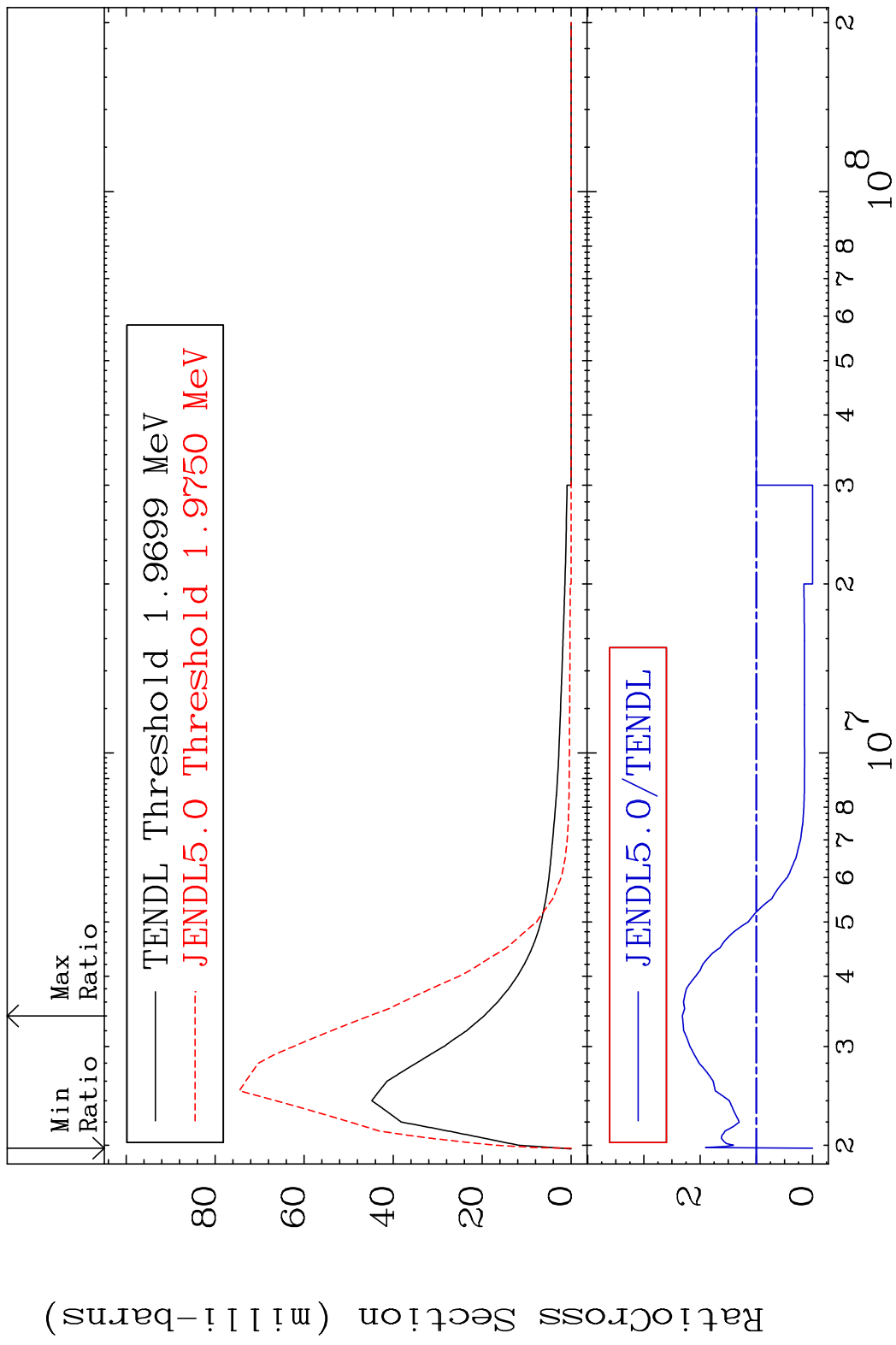
MAT 8031 MT= 70 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 190.3 %



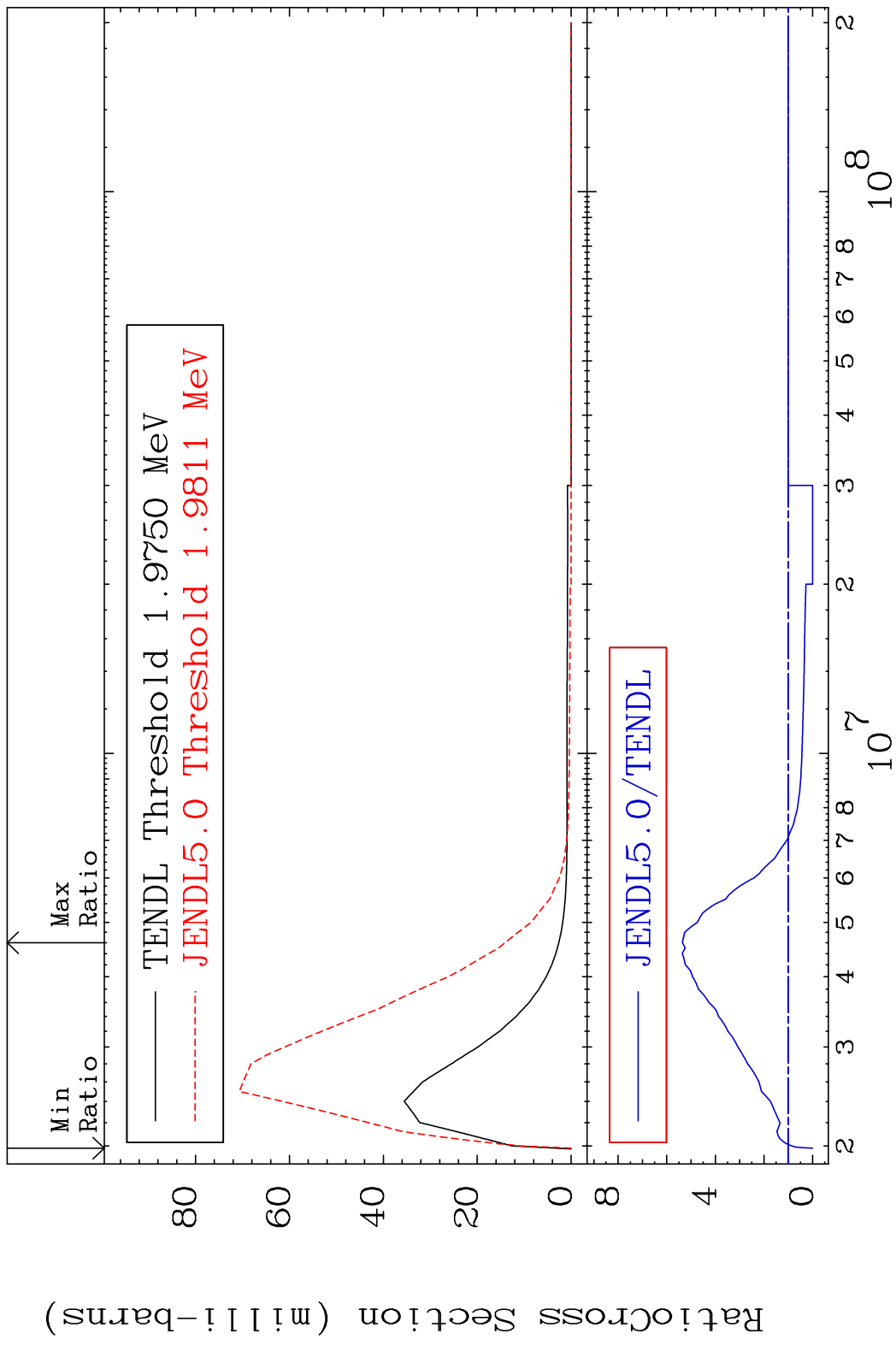
MAT 8031 MT= 71 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 156.1 %



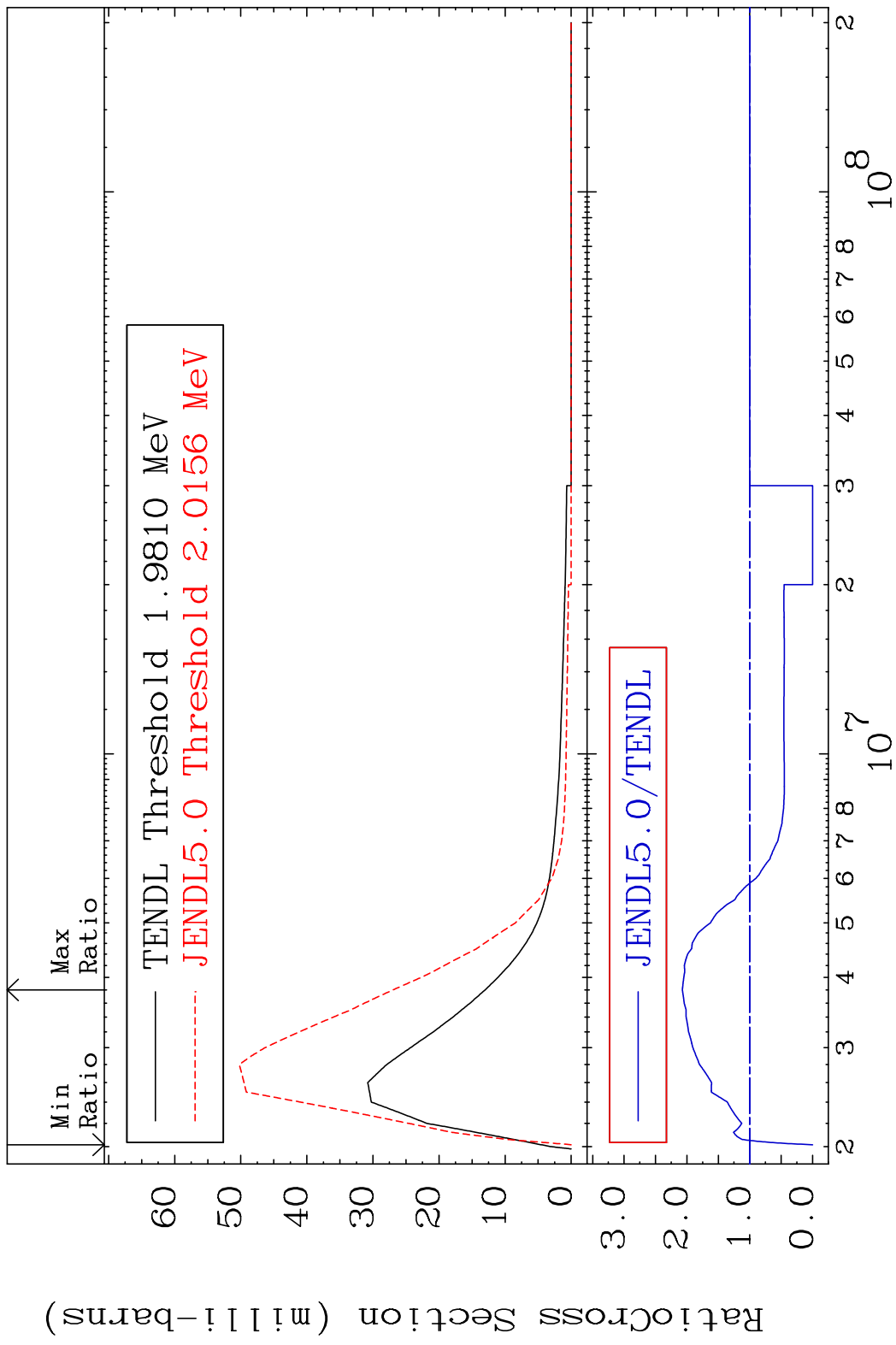
MAT 8031 MT= 72 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 131.6 %



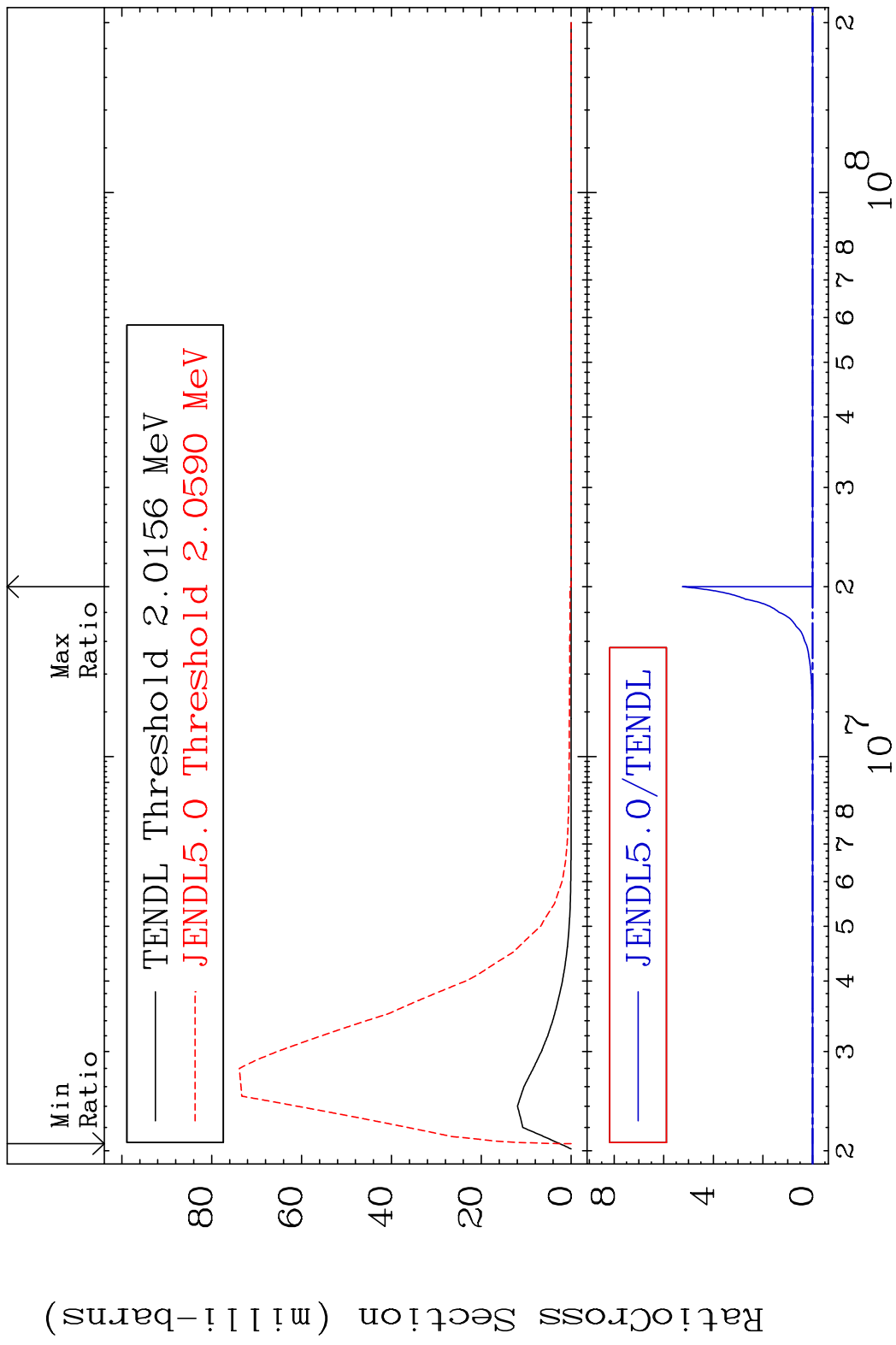
MAT 8031 MT= 73 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 435.8 %



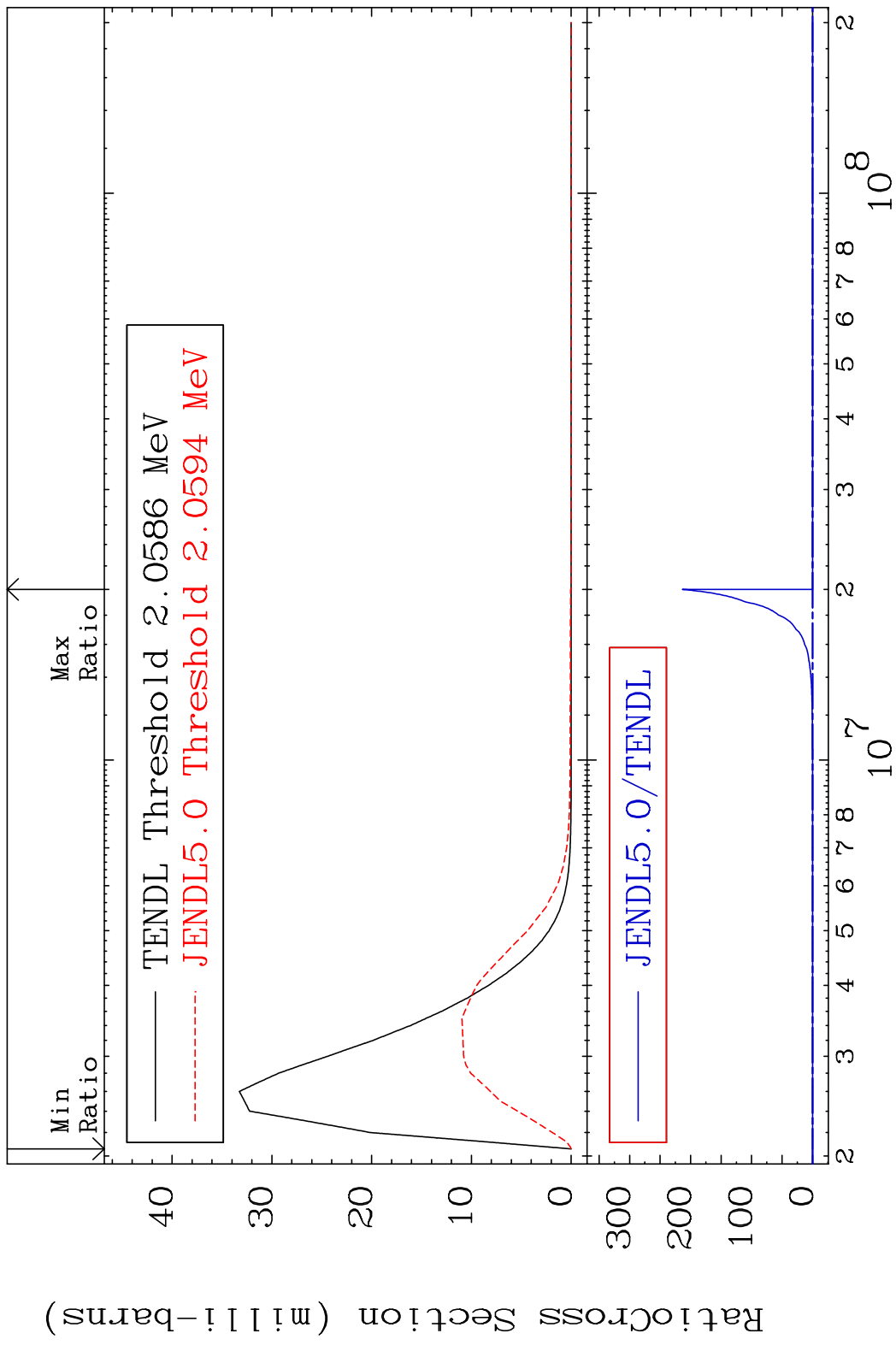
MAT 8031 MT= 74 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 107.2 %



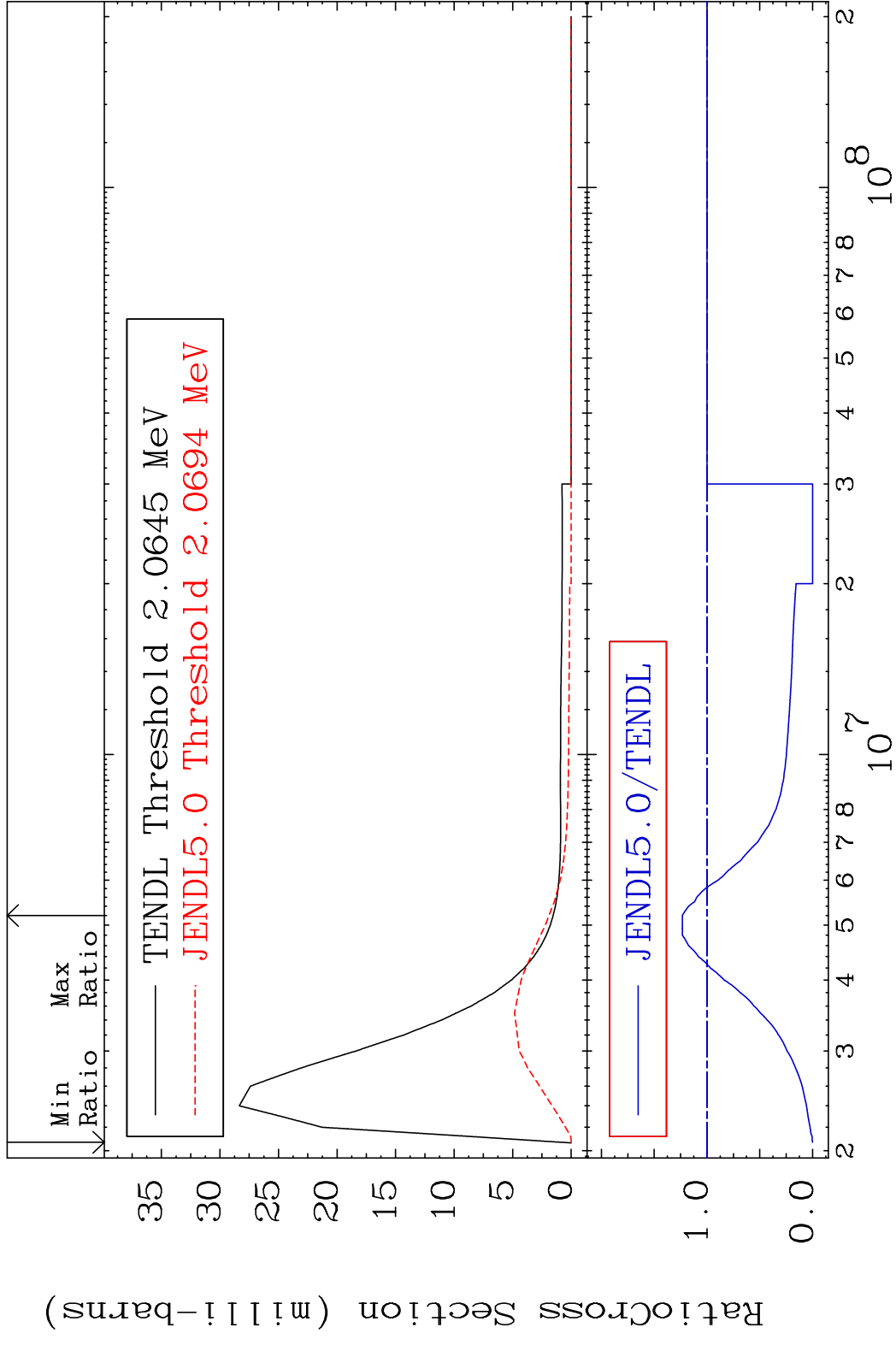
MAT 8031 MT= 75 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



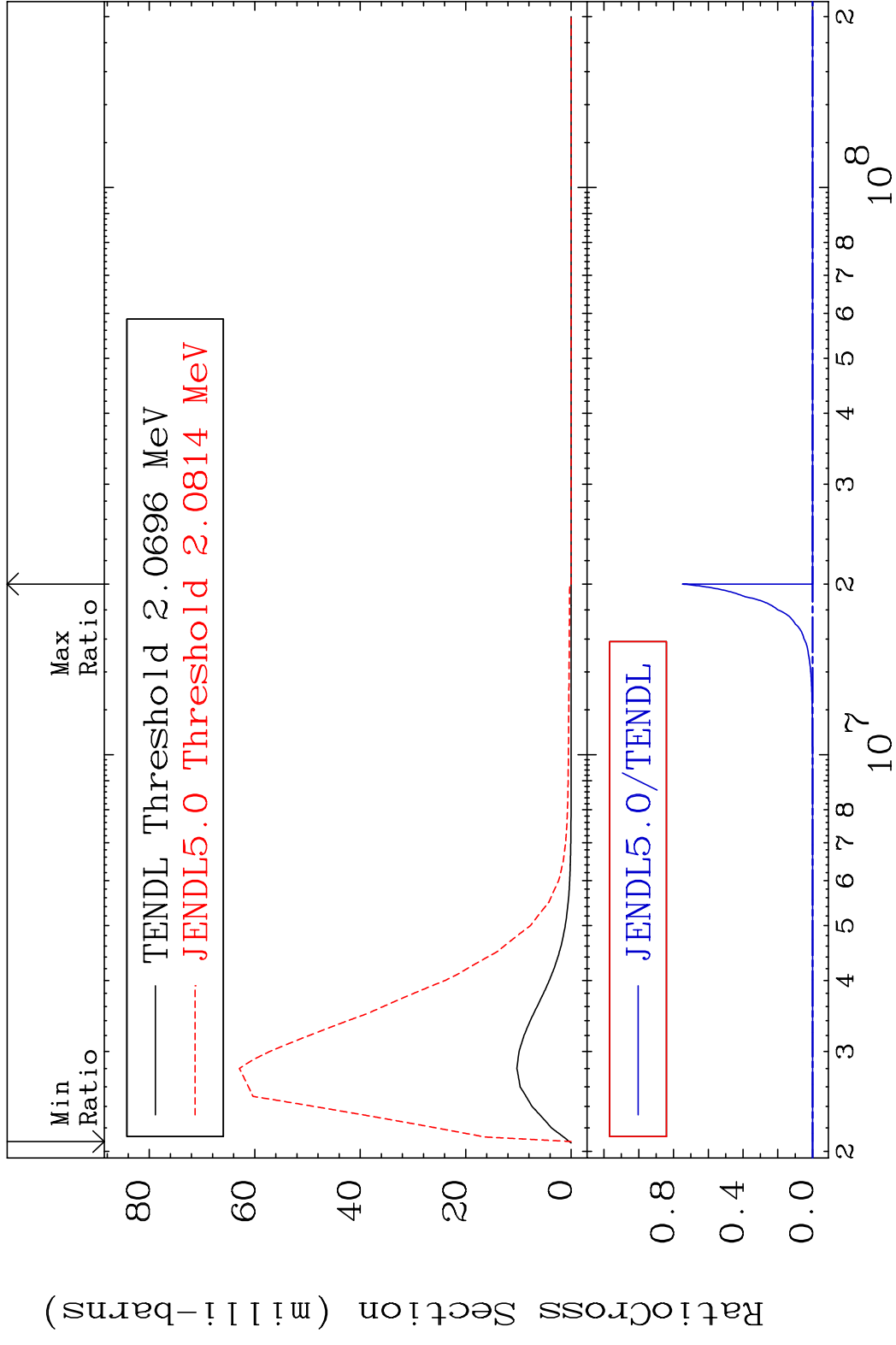
MAT 8031 MT= 76 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



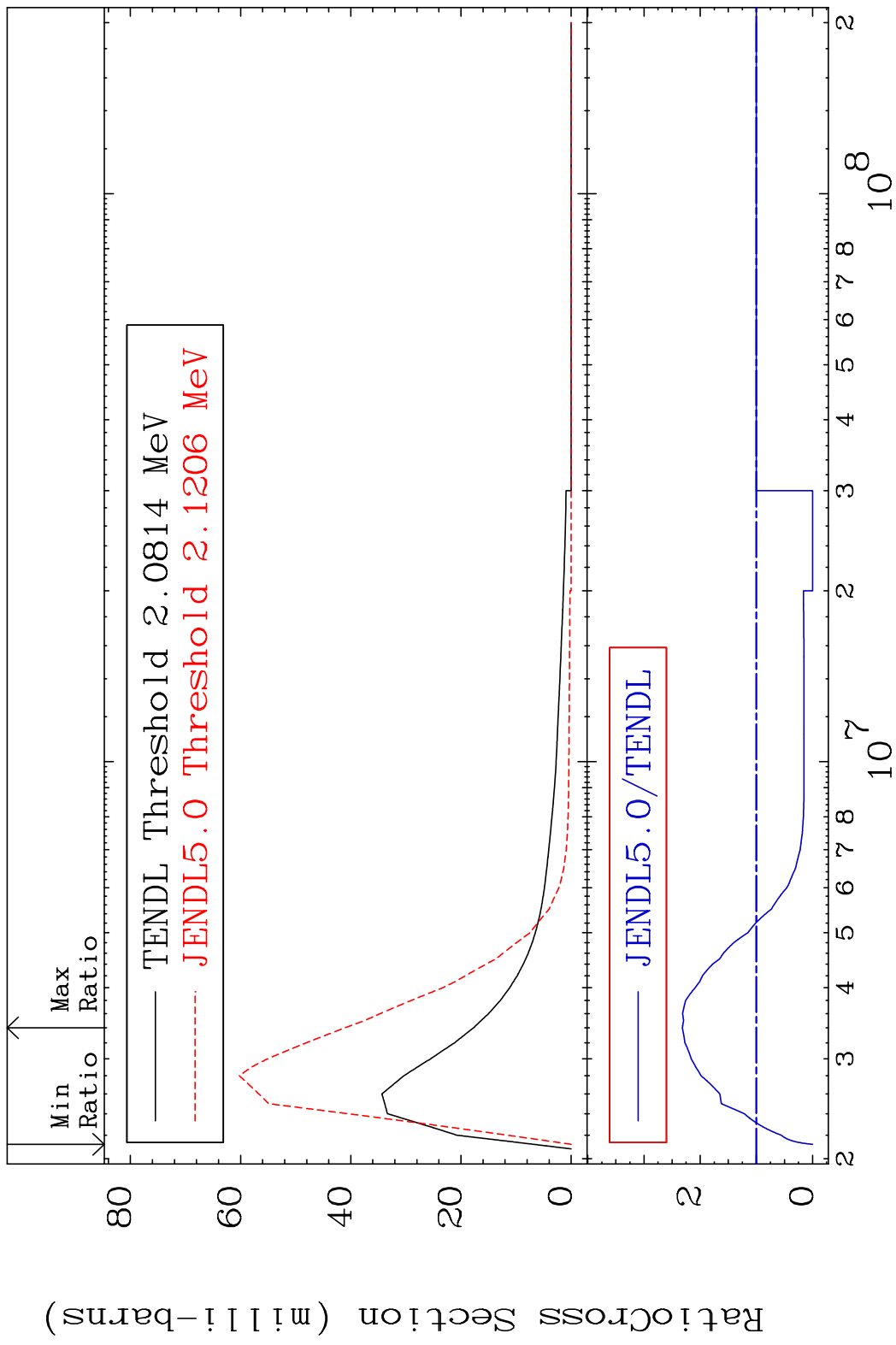
MAT 8031 MT= 77 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 23.32 %



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 131.7 %

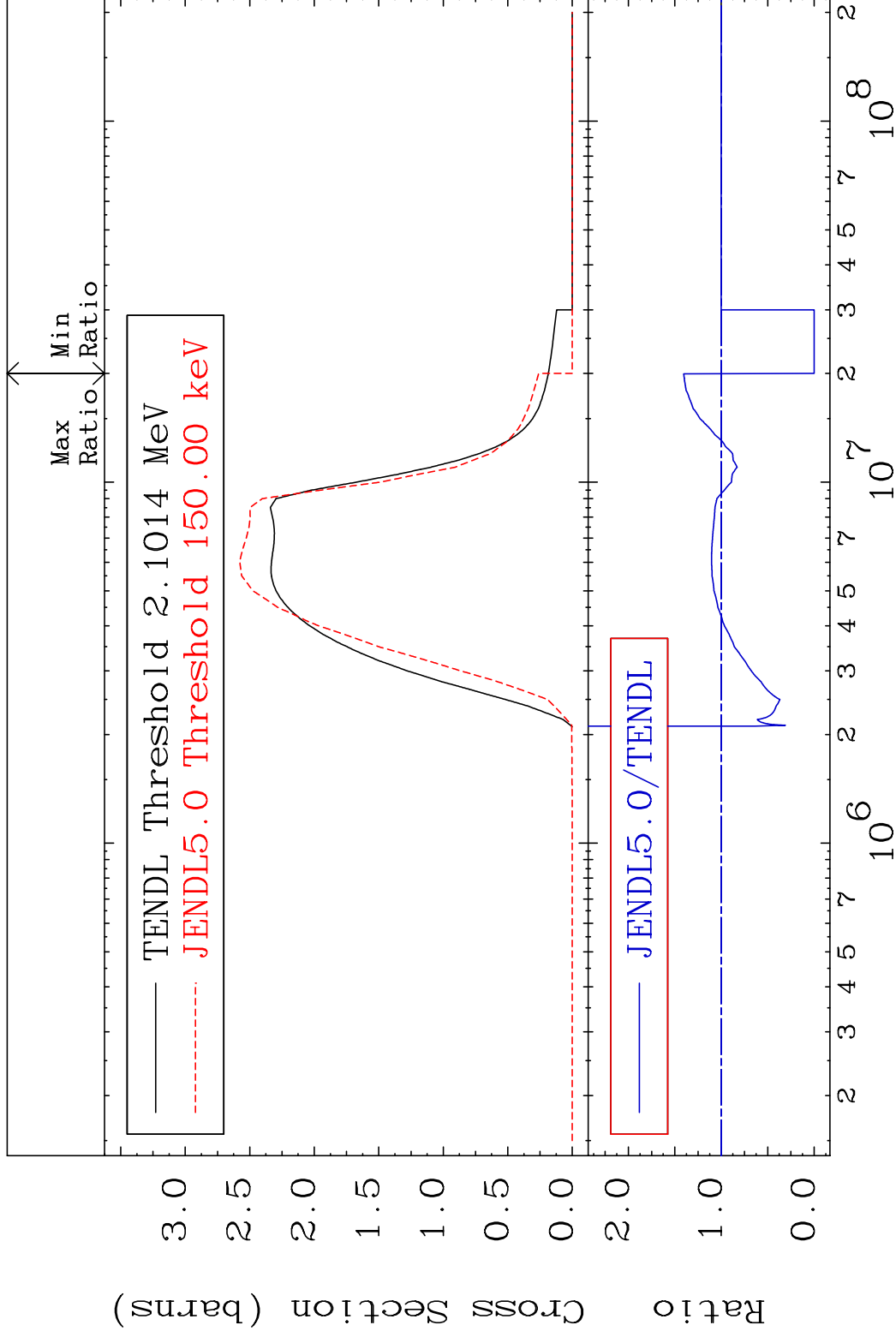


39 Incident Energy (eV) 80-Hg-198

MAT 8031

(n,n') Continuum
Cross Section -100.0 To 40.48 %

80-Hg-198



40

Incident Energy (eV)

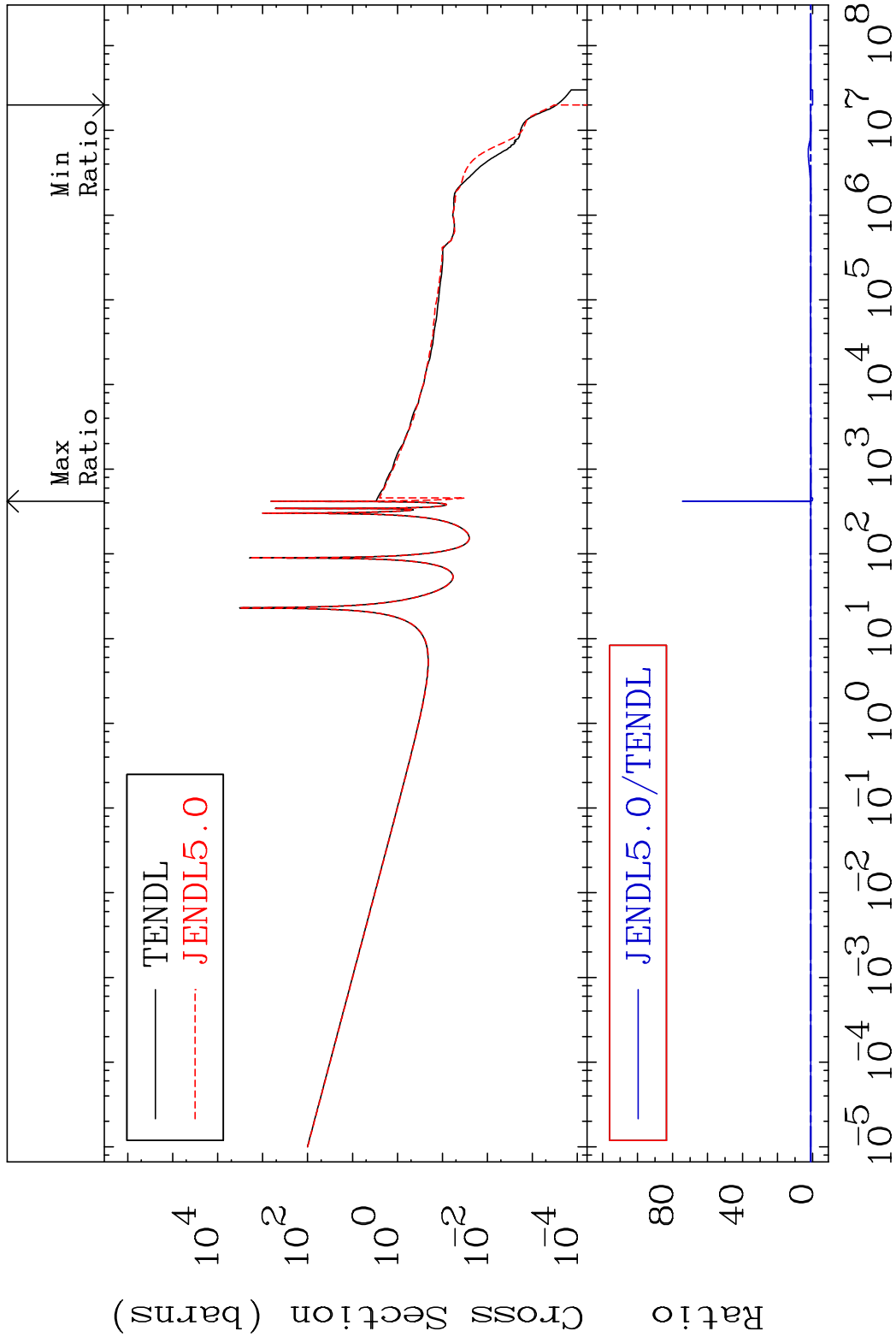
80-Hg-198

MAT 8031

(n, γ)

80-Hg-198

Cross Section -100.0 To 7339. %

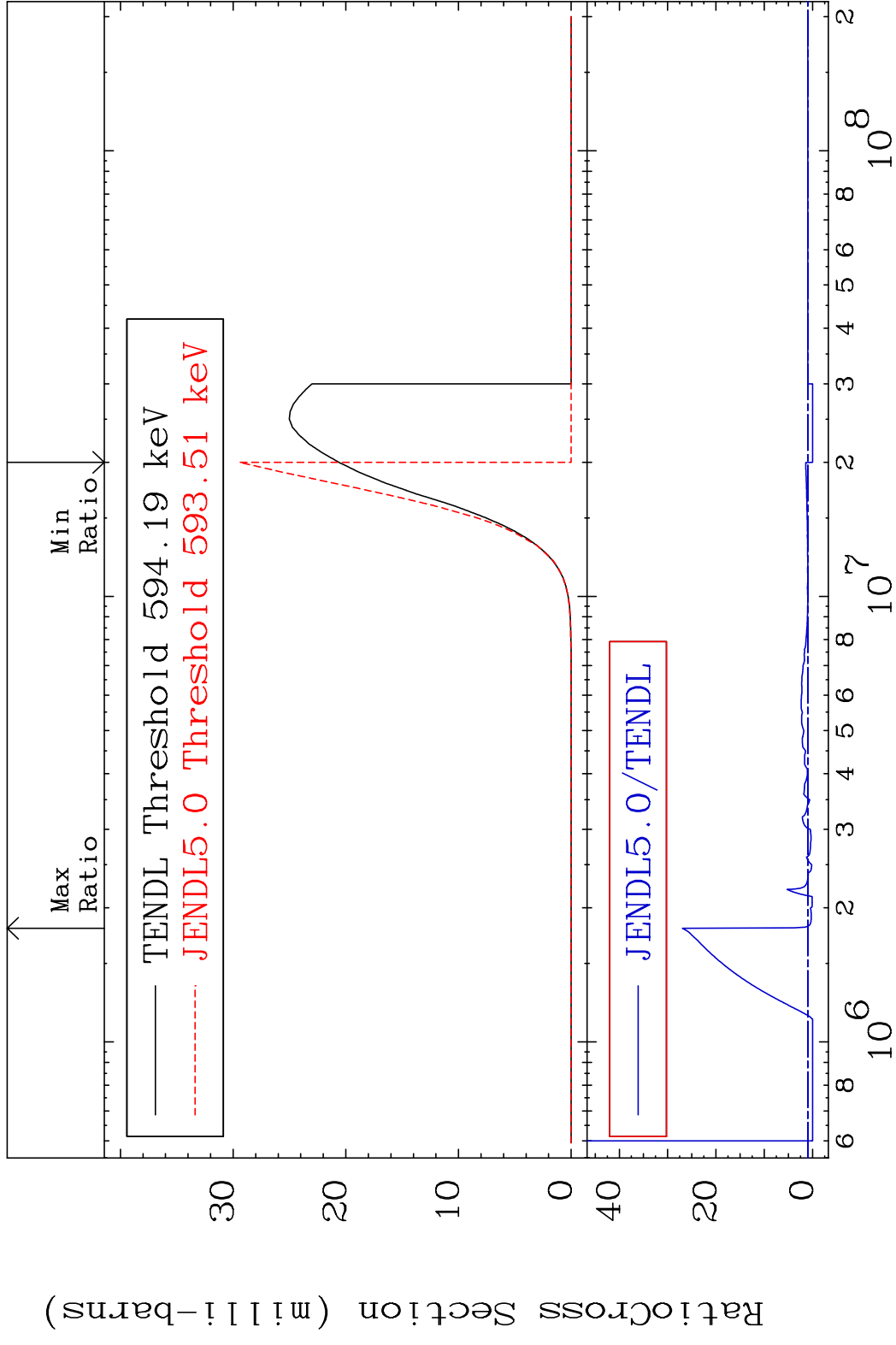


41

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,p) 80-Hg-198
 Cross Section -100.0 To 2596. %



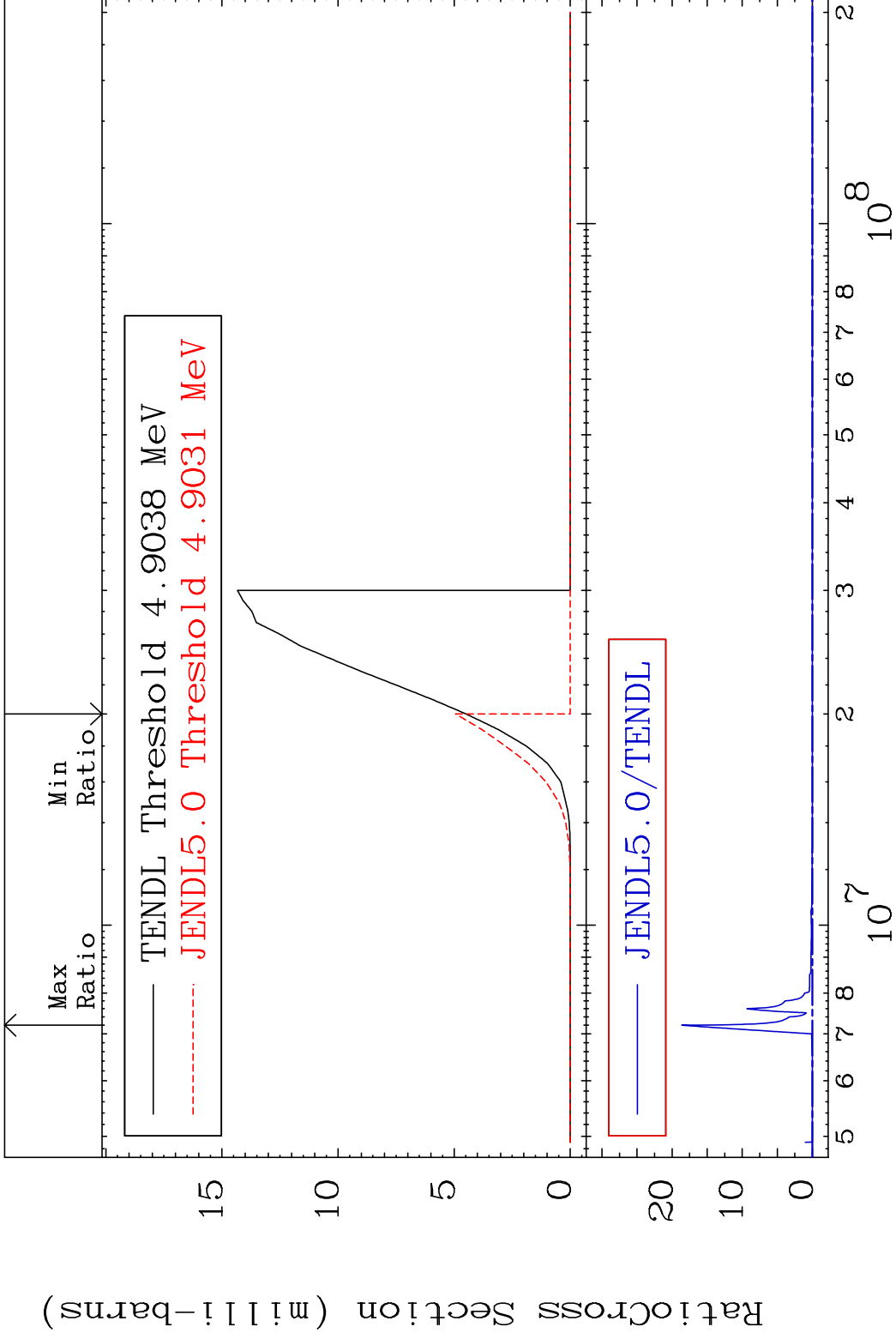
42 Incident Energy (eV) 80-Hg-198

MAT 8031

(n, d)

80-Hg-198

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

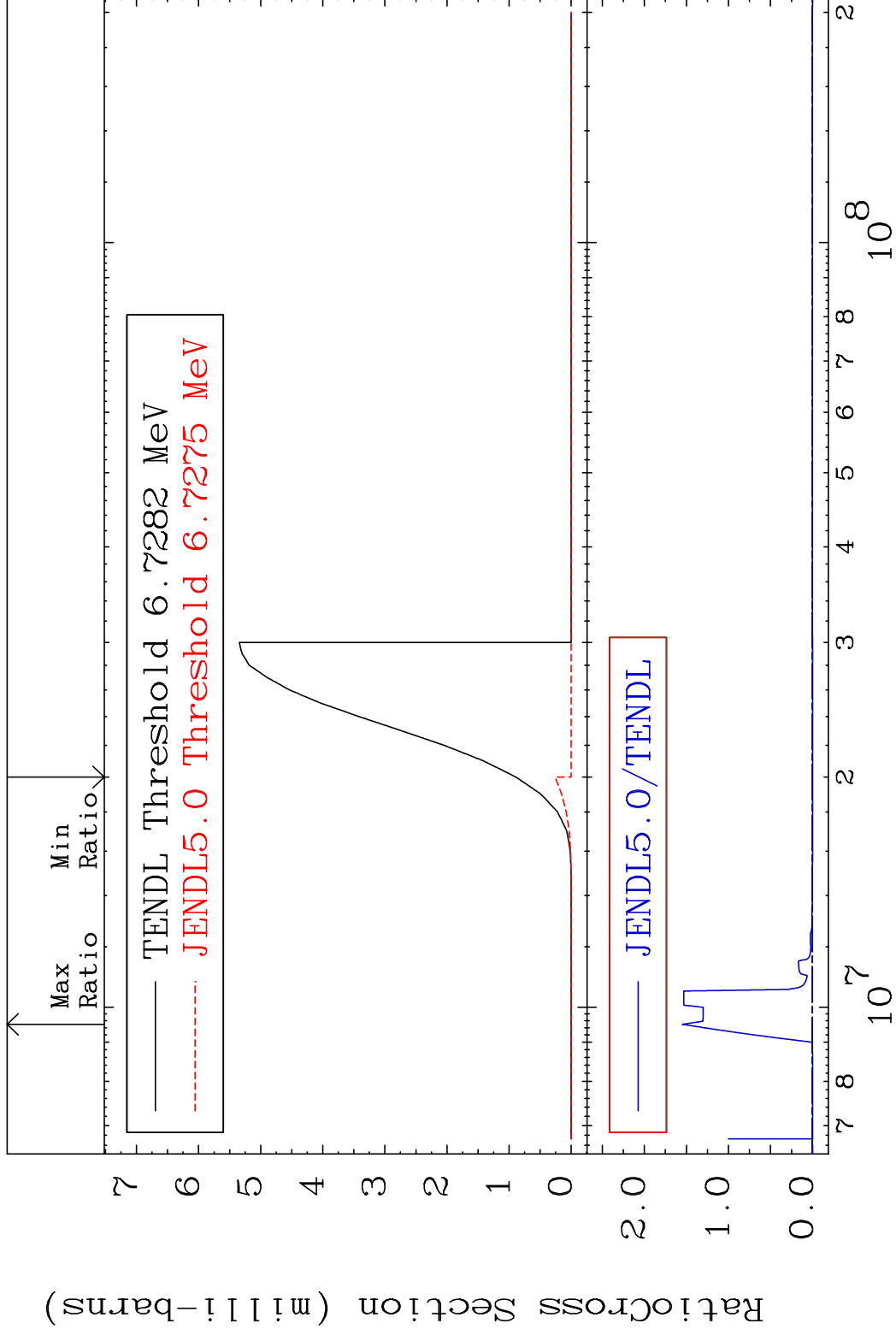
80-Hg-198

MAT 8031

(n, t)

80-Hg-198

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

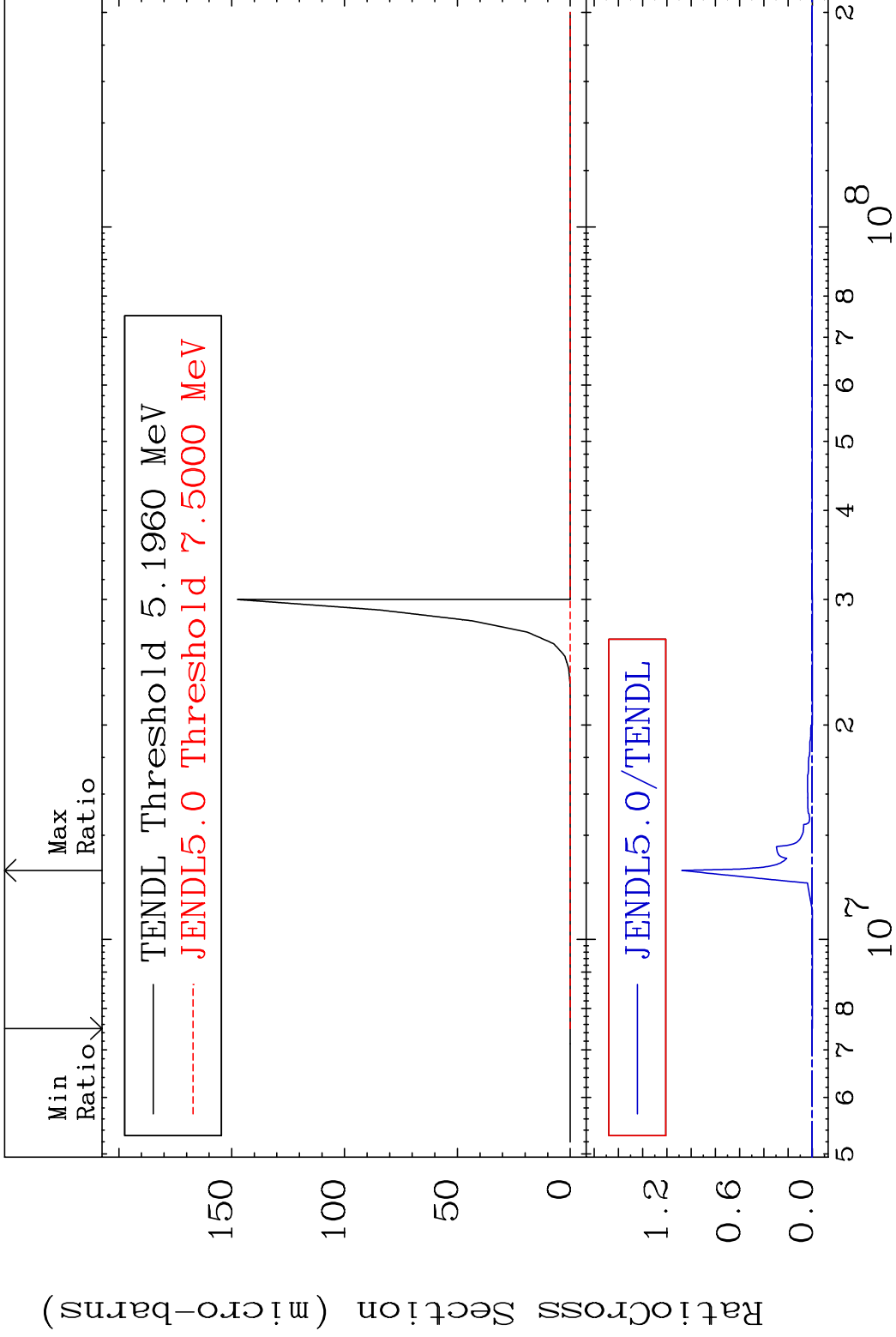
80-Hg-198

MAT 8031

(n, He-3)

80-Hg-198

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

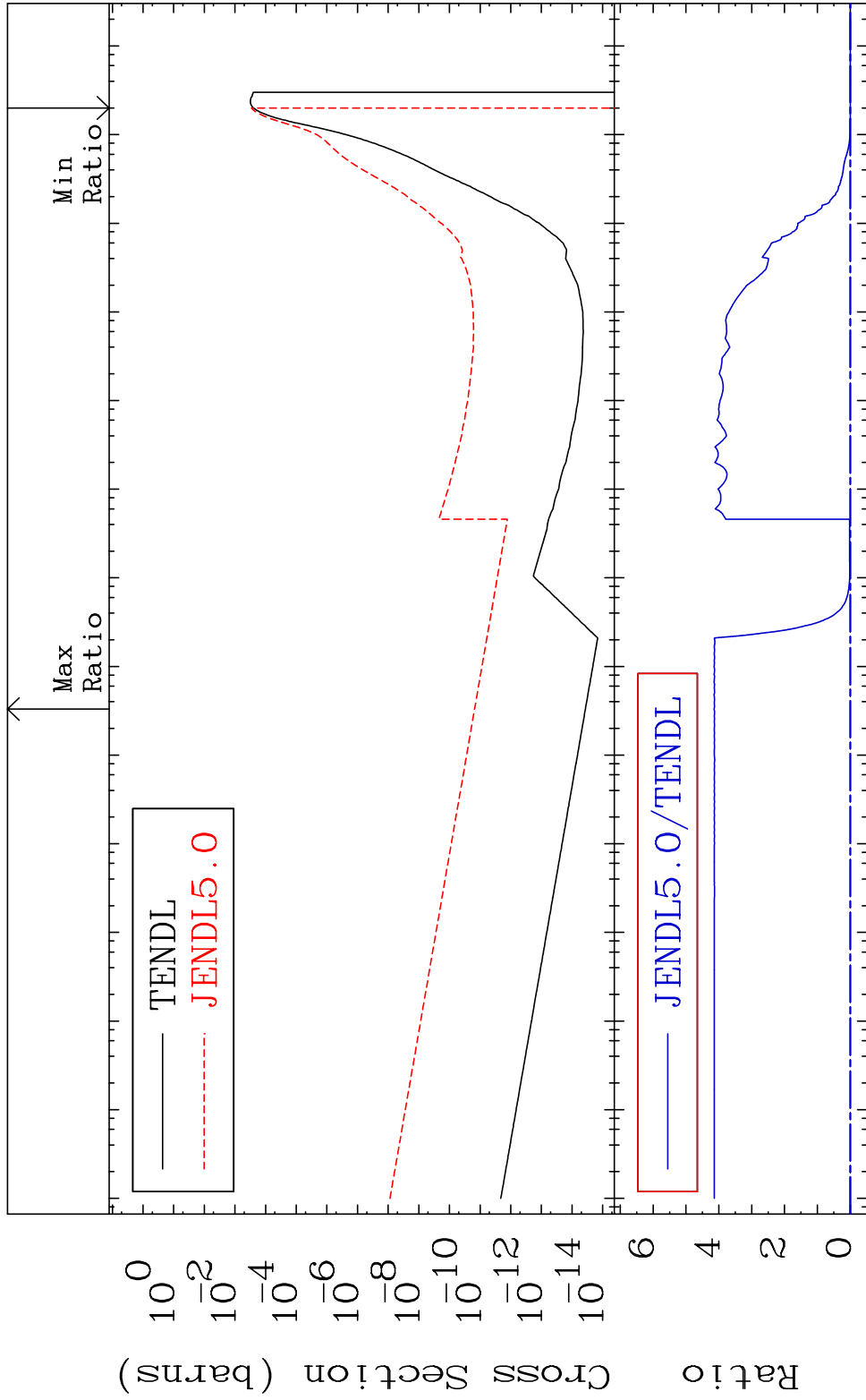
80-Hg-198

MAT 8031

(n, α)

80-Hg-198

Cross Section -100.0 To 9999. %

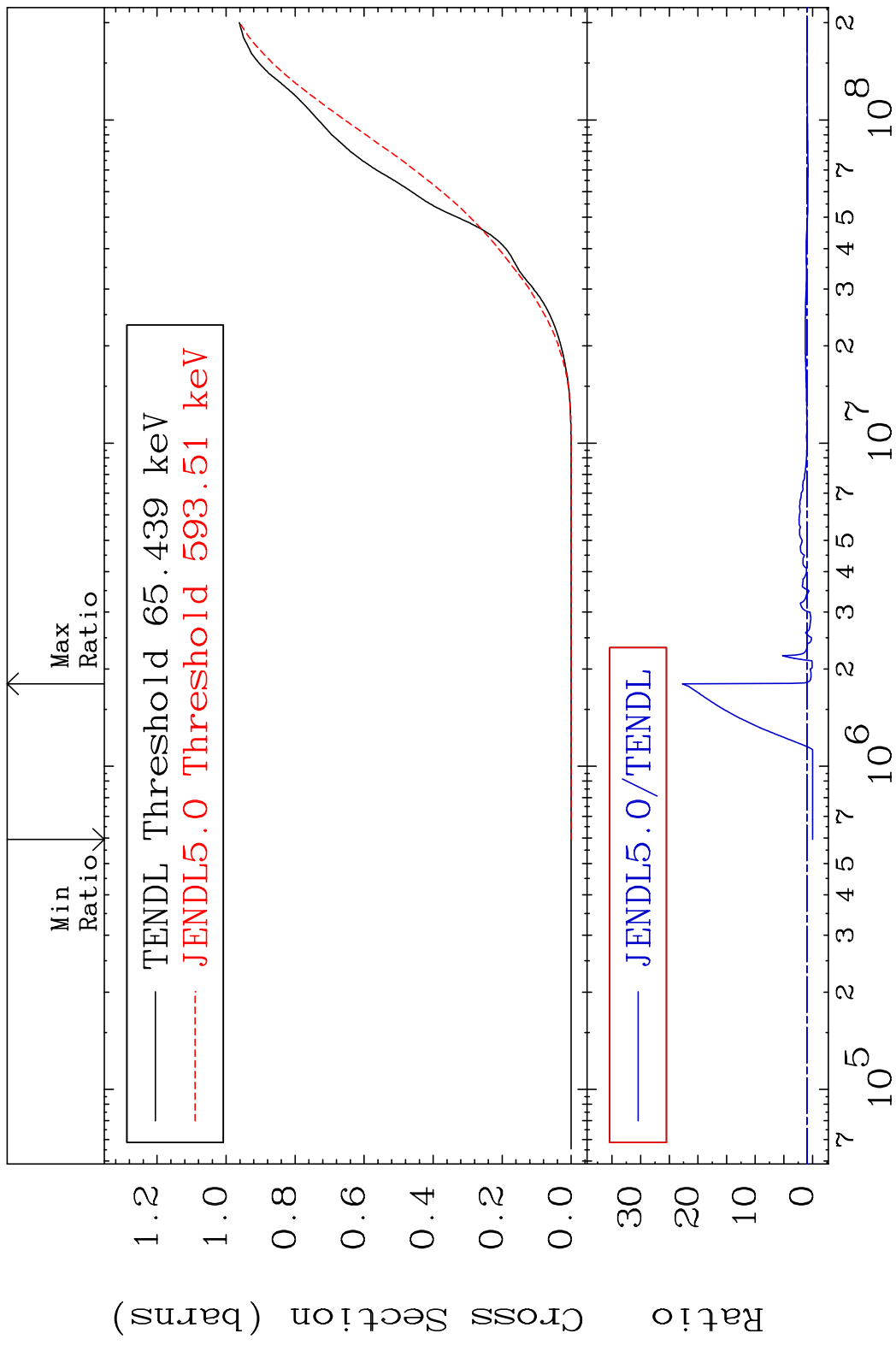


46

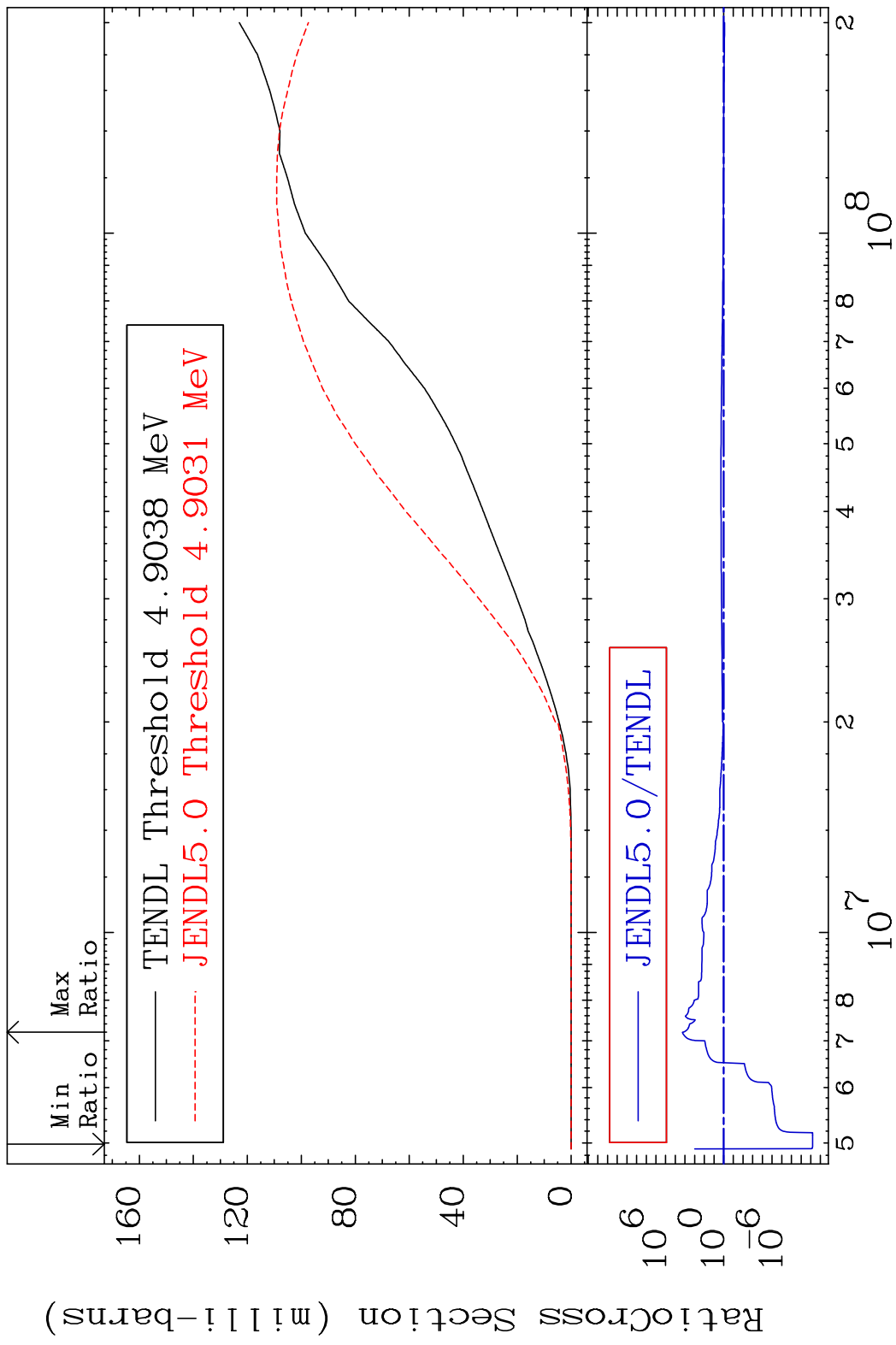
Incident Energy (eV)

80-Hg-198

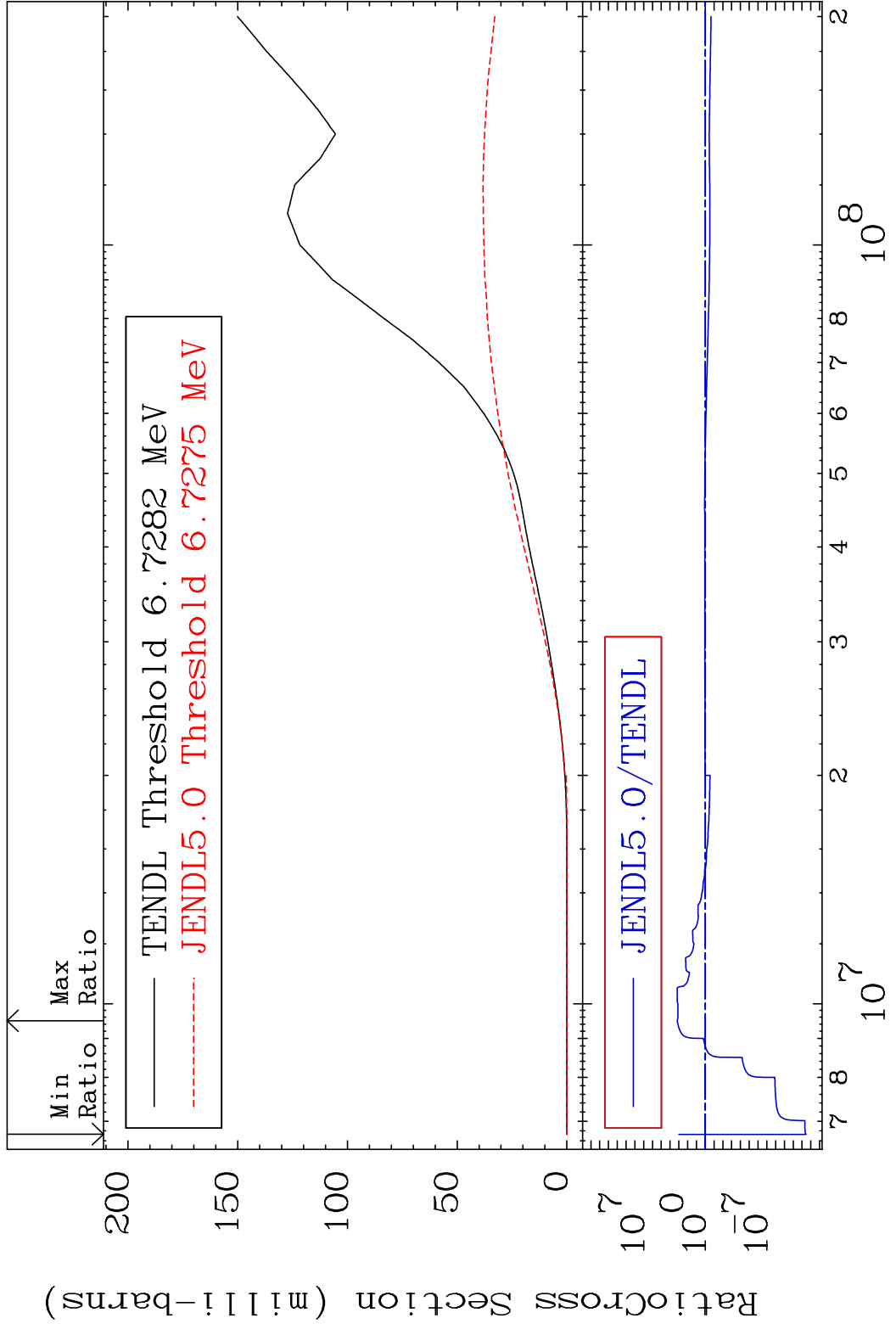
MAT 8031 Hydrogen Production 80-Hg-198
 Cross Section -100.0 To 2172. %



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. %

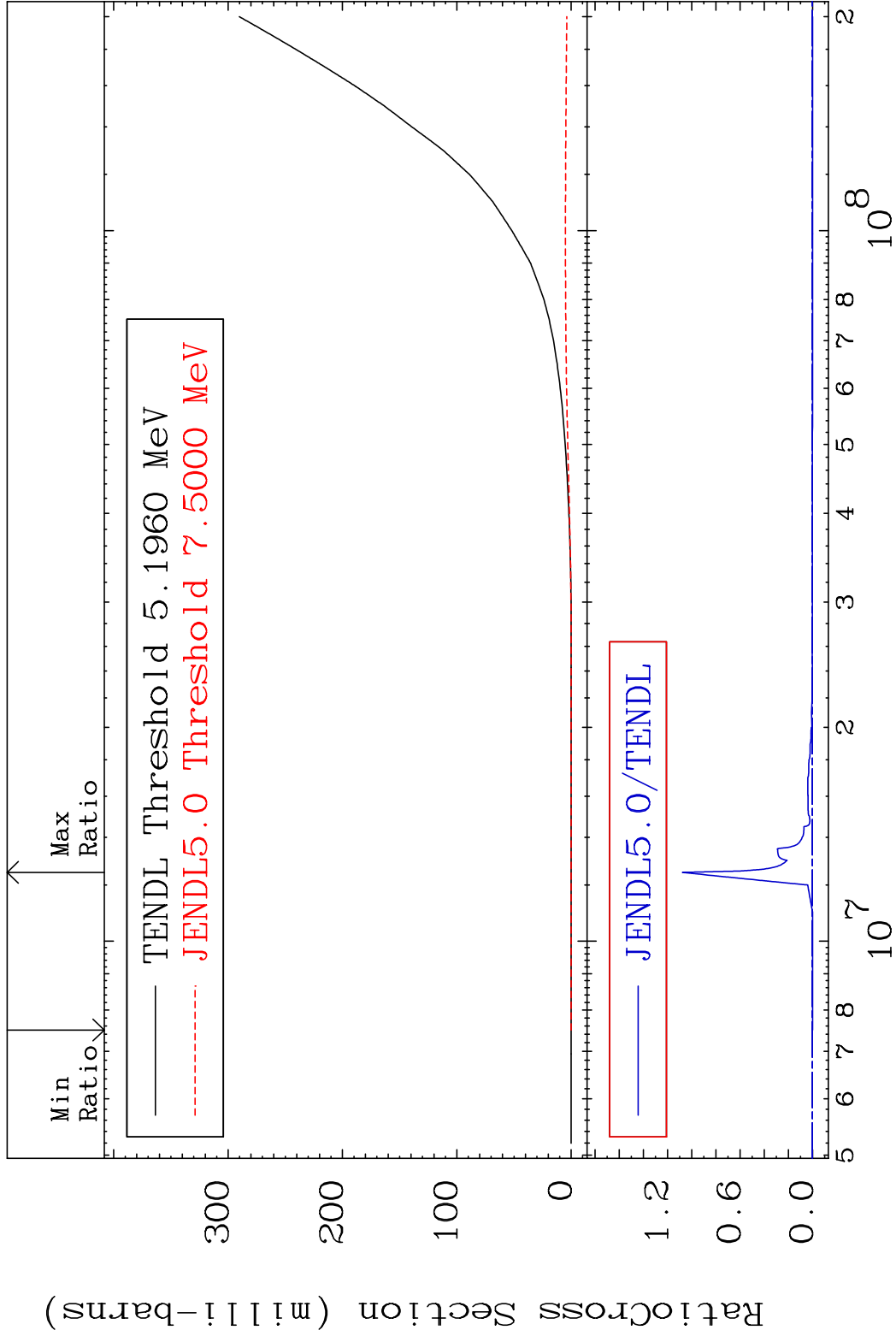


MAT 8031

He-3 Production

80-Hg-198

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

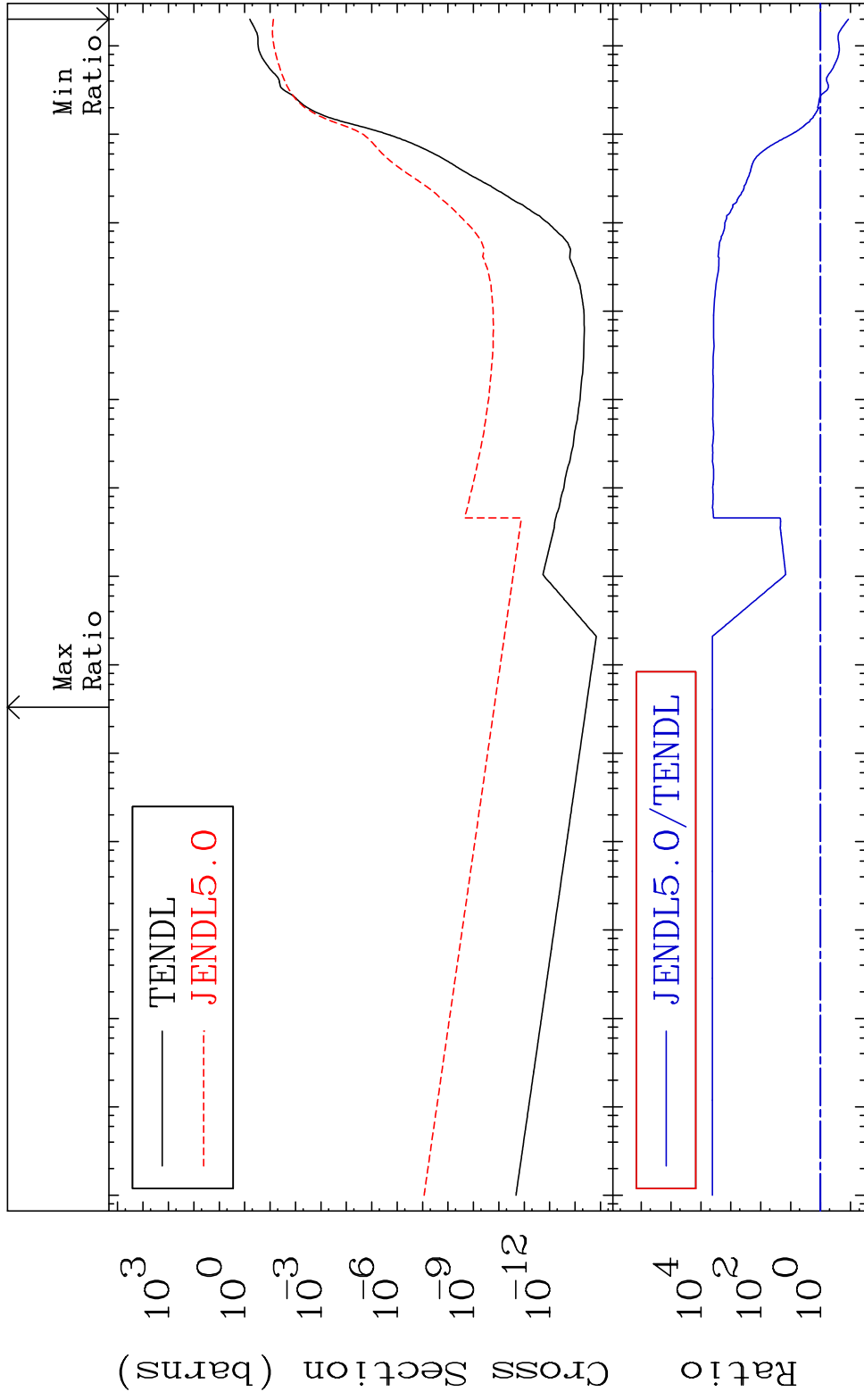
80-Hg-198

MAT 8031

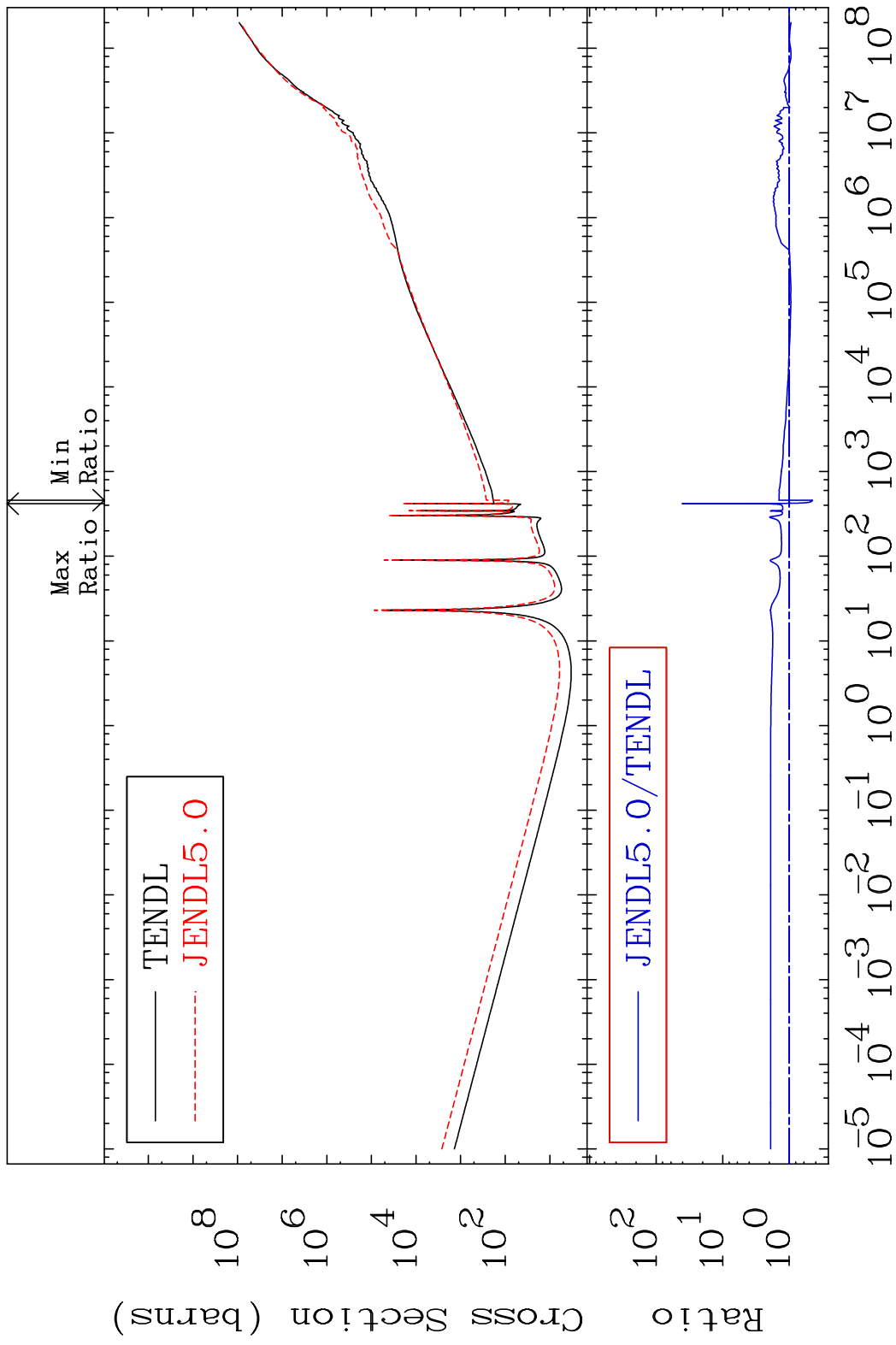
He-4 Production

80-Hg-198

Cross Section -88.23 To 9999. %



MAT 8031 Kerma total (eV-barns) 80-Hg-198
 Cross Section -55.38 To 3935. %

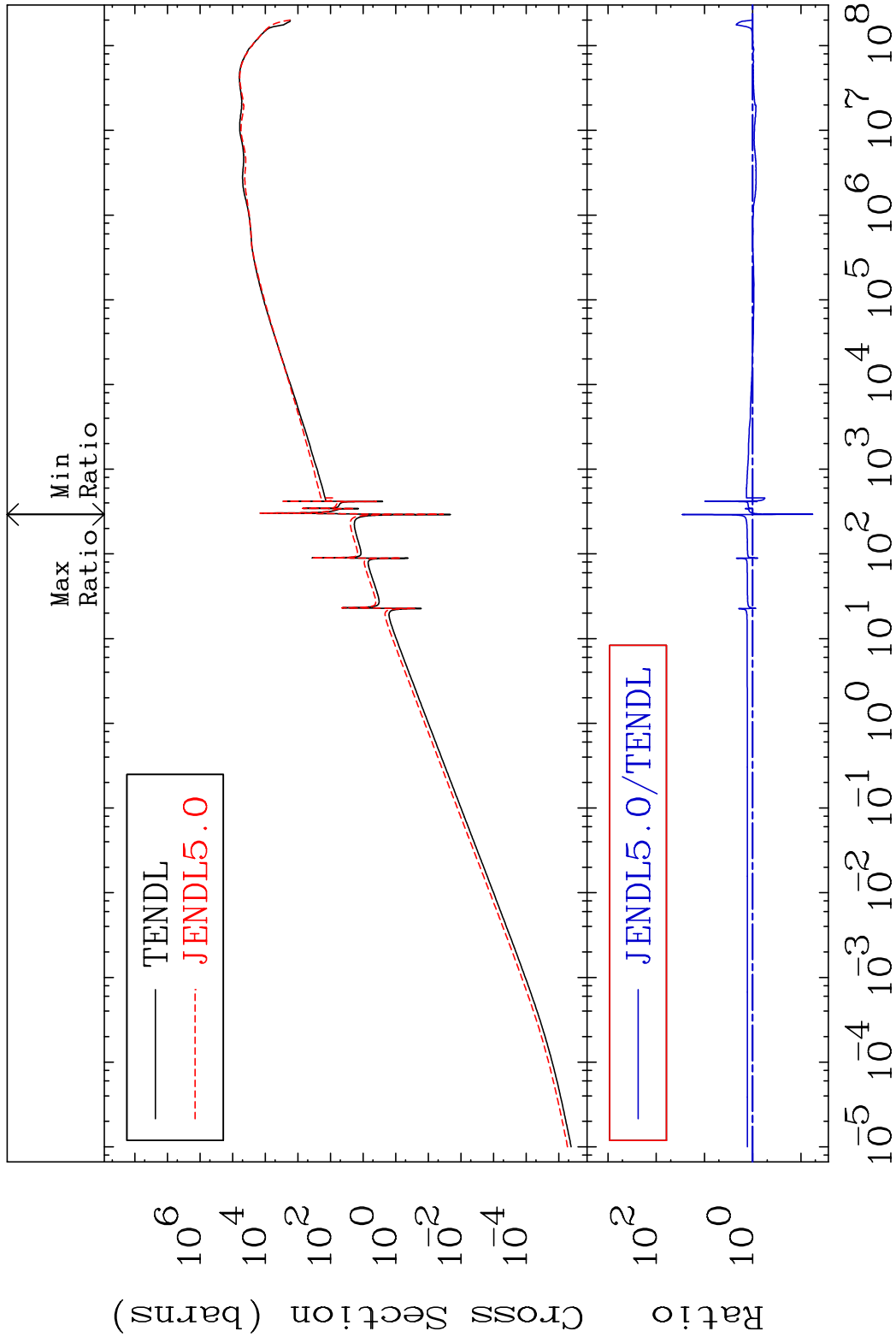


MAT 8031

Kerma elastic

80-Hg-198

Cross Section -94.27 To 2768. %

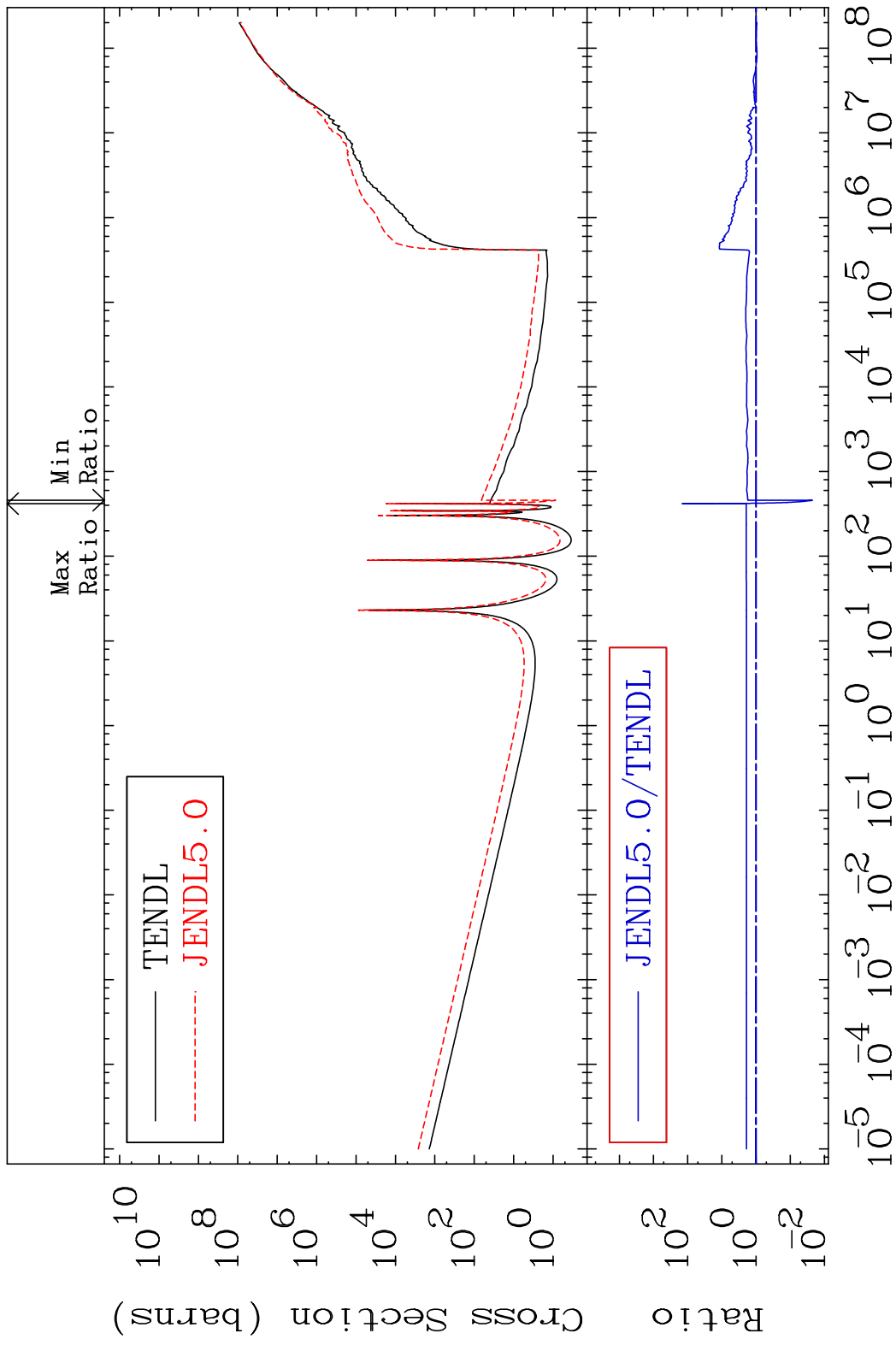


53

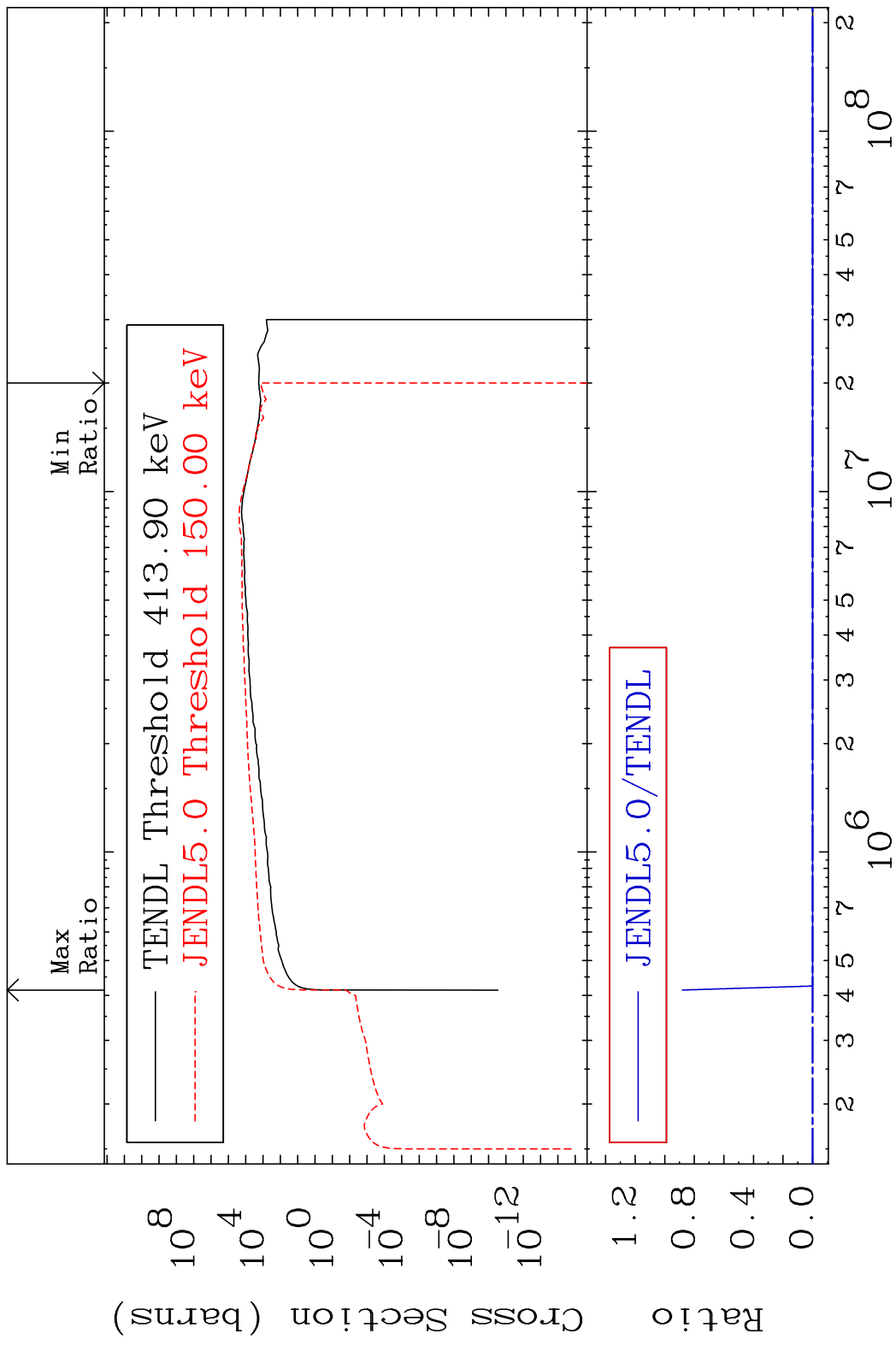
Incident Energy (eV)

80-Hg-198

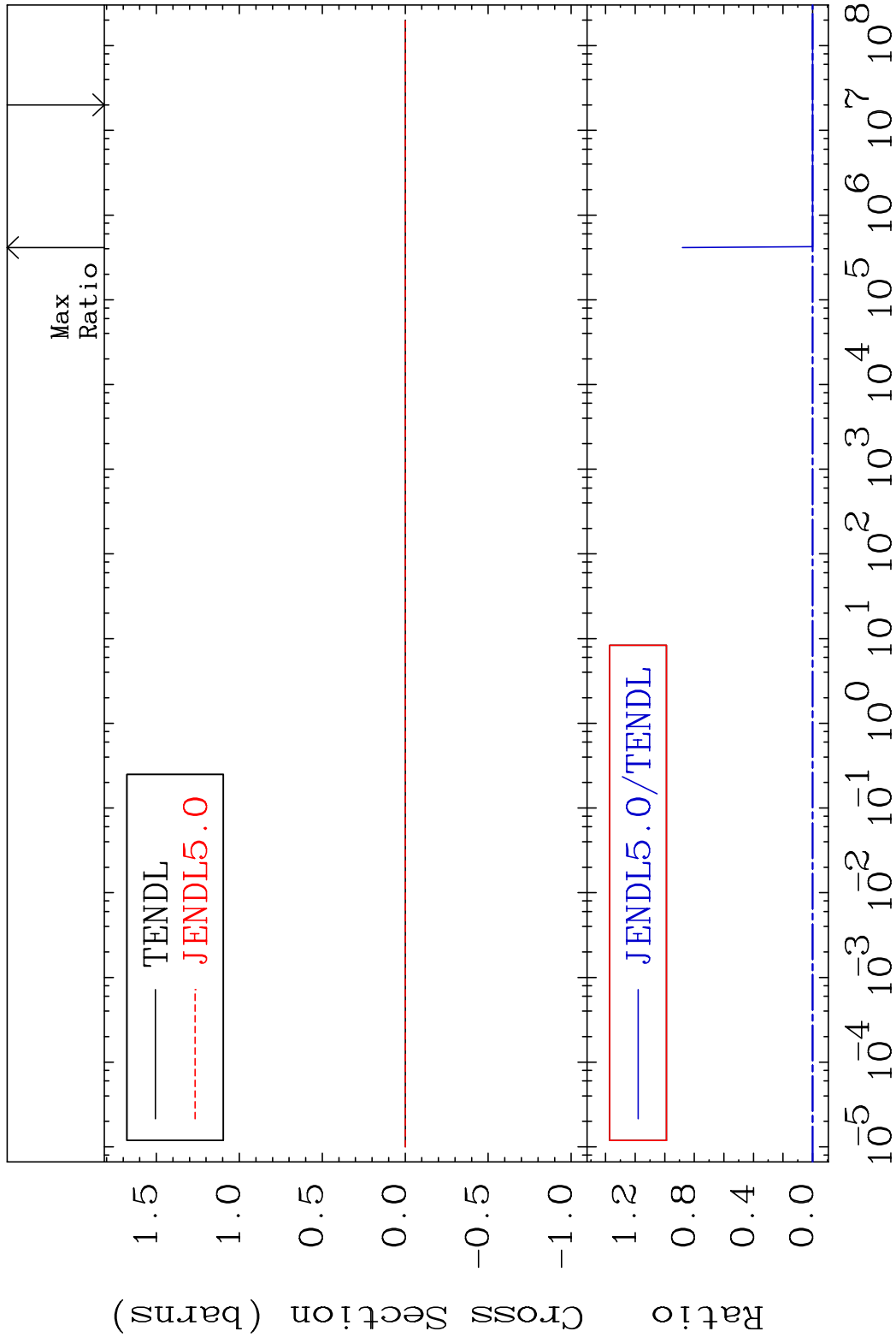
MAT 8031 Kerma non-elastic (all but mt2) 80-Hg-198
 Cross Section -97.79 To 9999. %



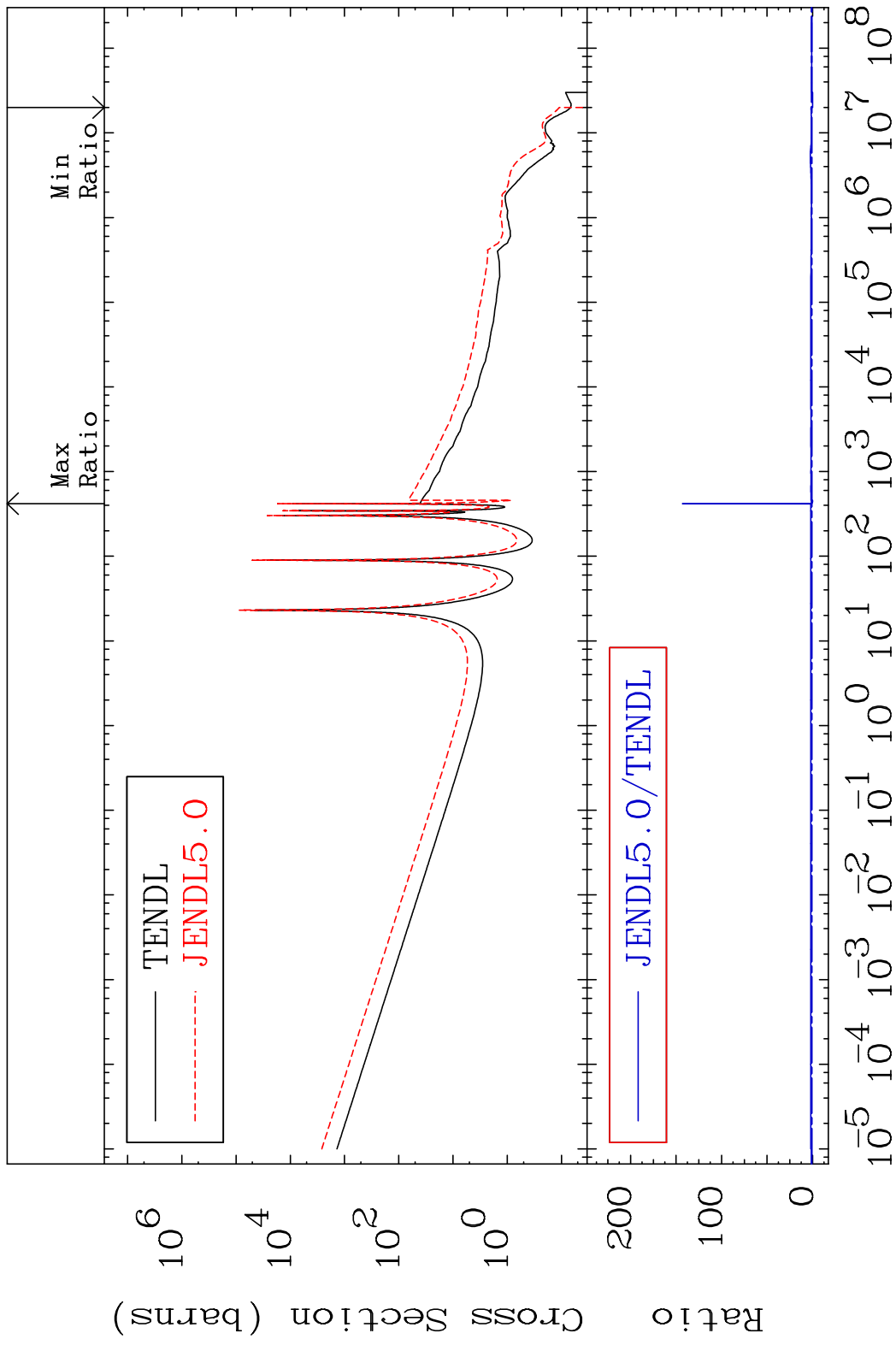
MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198
 Cross Section -100.0 To 9999. %



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

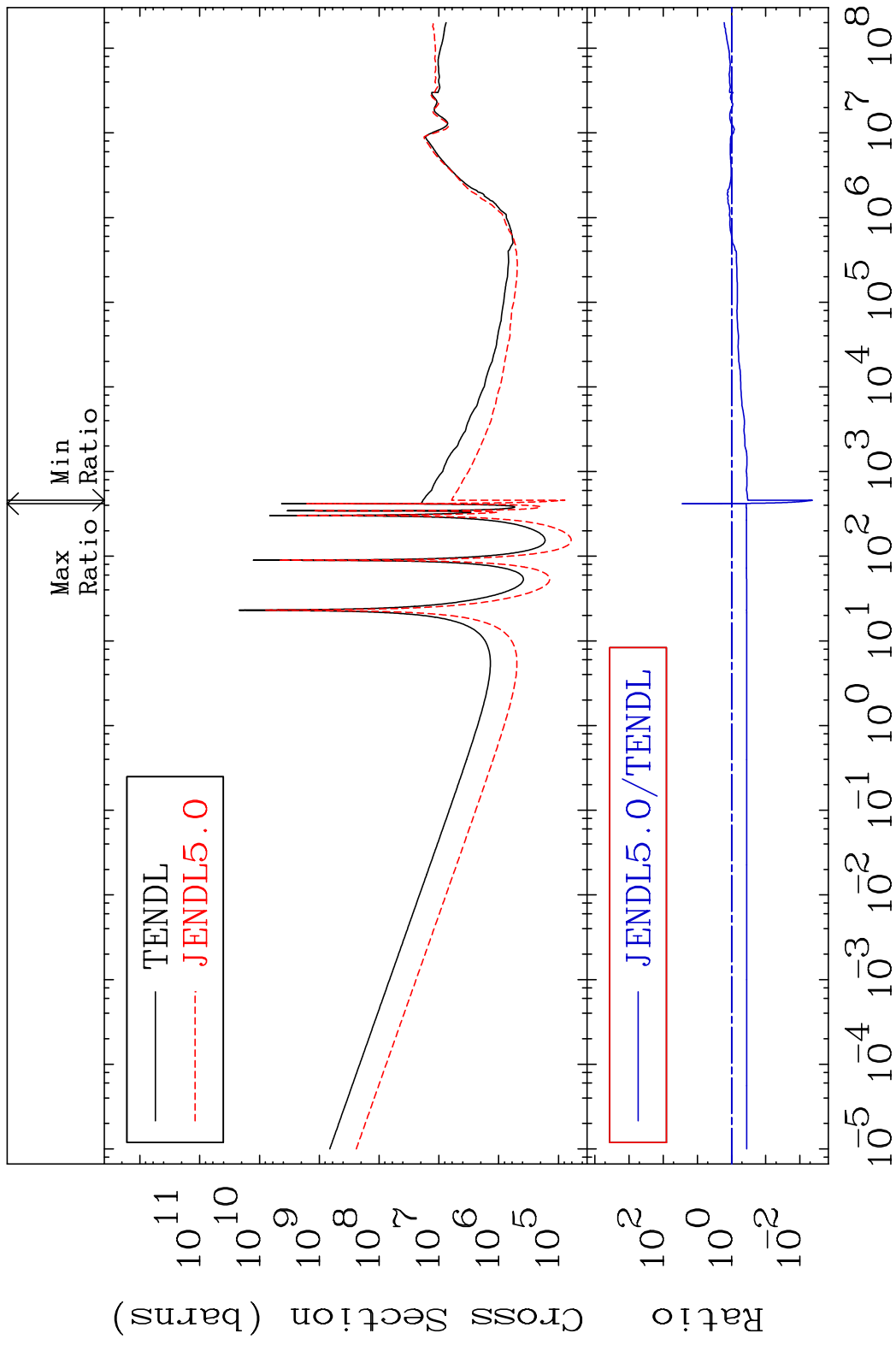


MAT 8031 Kerma capture (mt102) 80-Hg-198
 Cross Section -100.0 To 9999. %

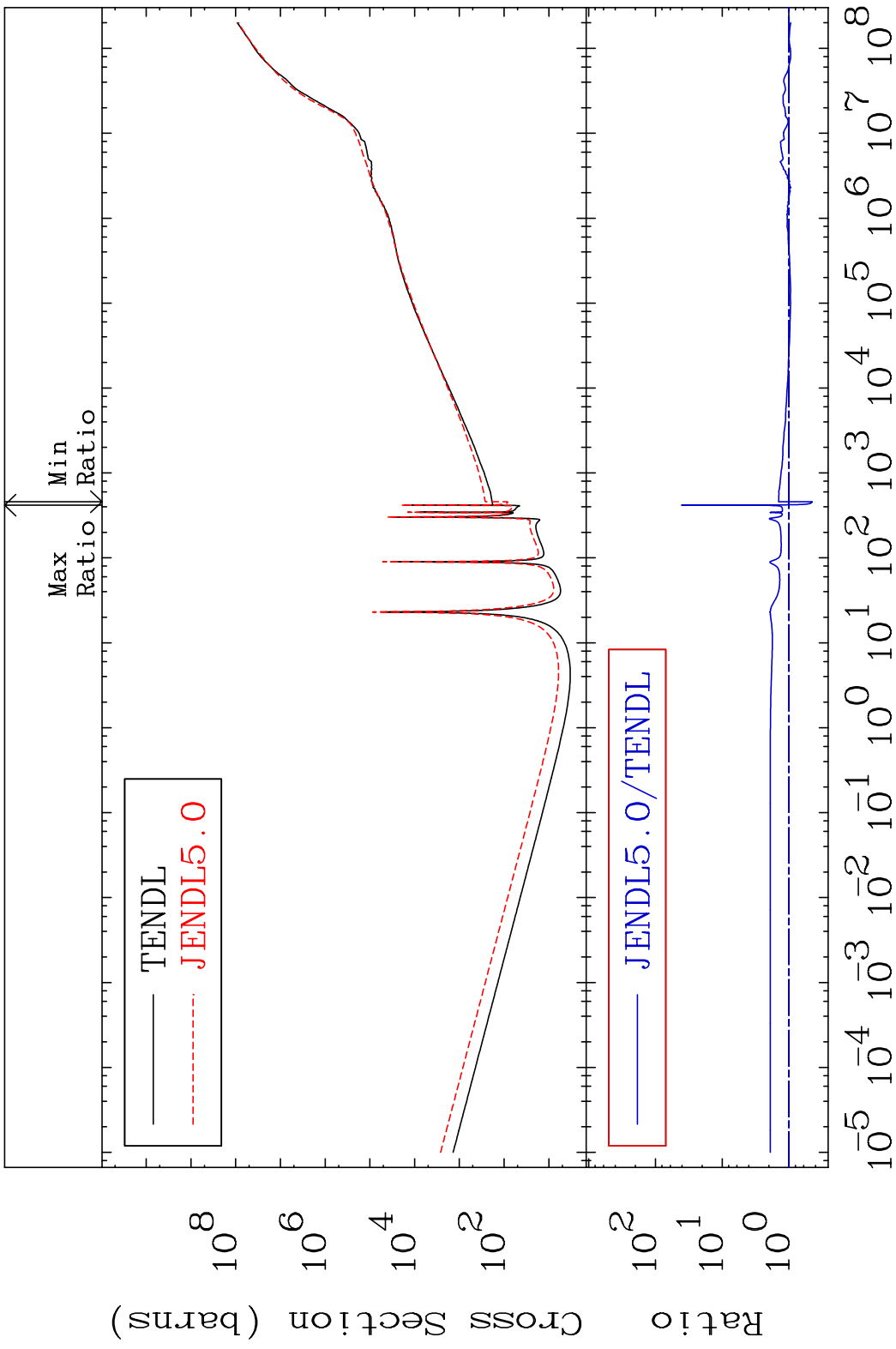


57 Incident Energy (eV) 80-Hg-198

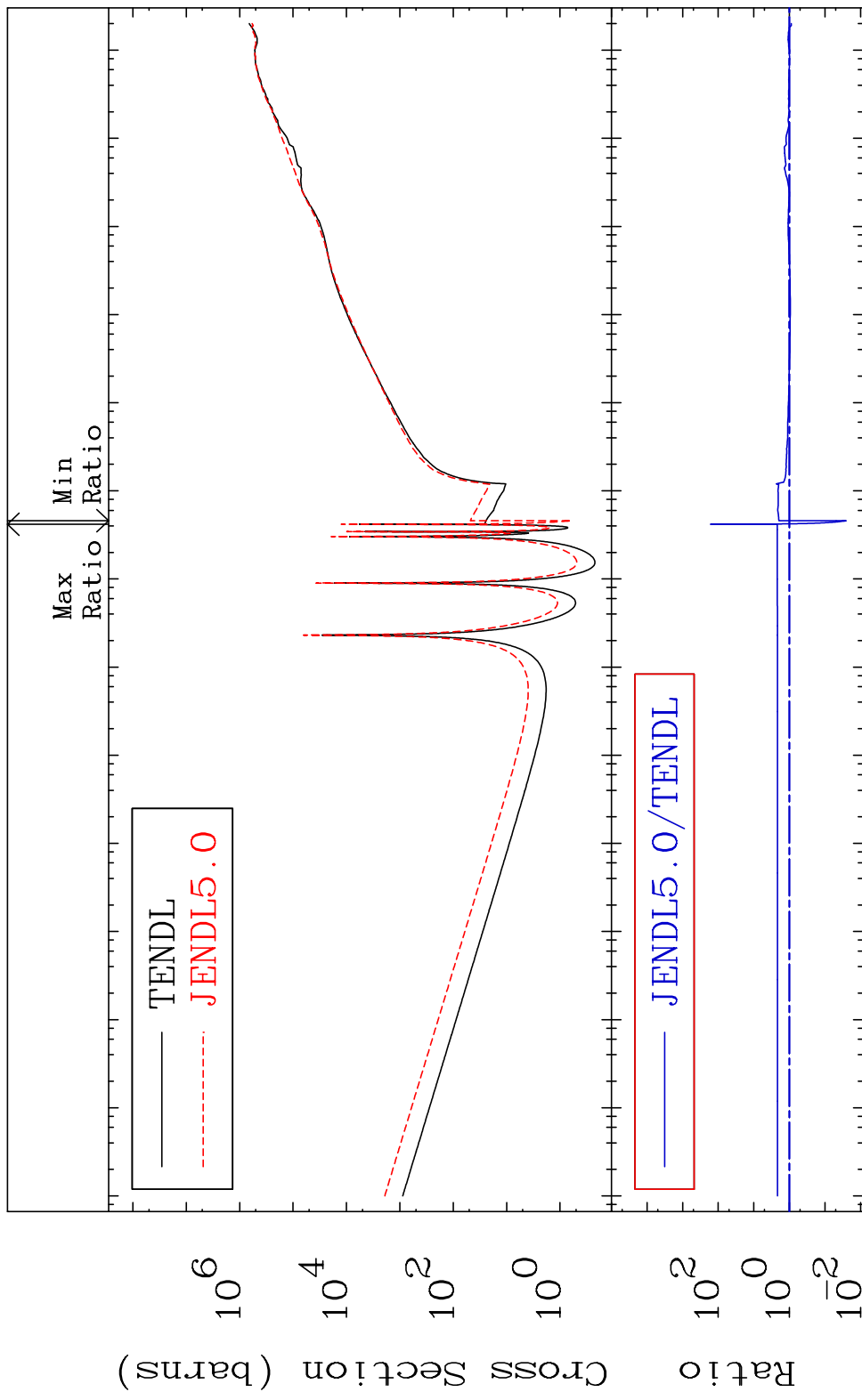
MAT 8031 Total photon (eV-barns) 80-Hg-198
 Cross Section -99.57 To 2651. %



MAT 8031 Total kinematic kerma (high limit) 80-Hg-198
Cross Section -55.38 To 3935. %



MAT 8031 Dpa total (eV-barns) 80-Hg-198
 Cross Section -97.49 To 9999. %



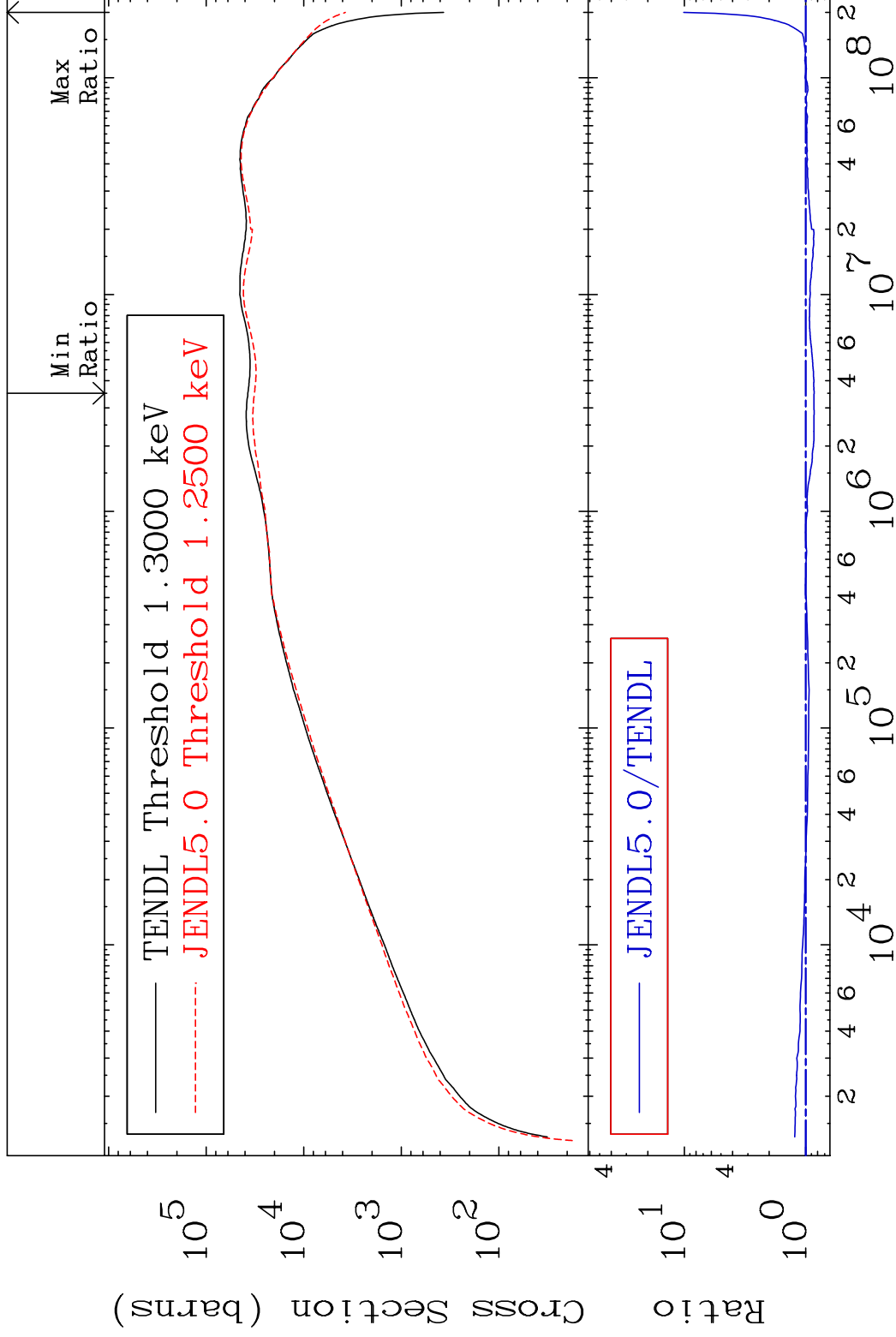
60 Incident Energy (eV) 80-Hg-198

MAT 8031

Dpa elastic (mt2)

80-Hg-198

Cross Section -14.61 To 913.5 %

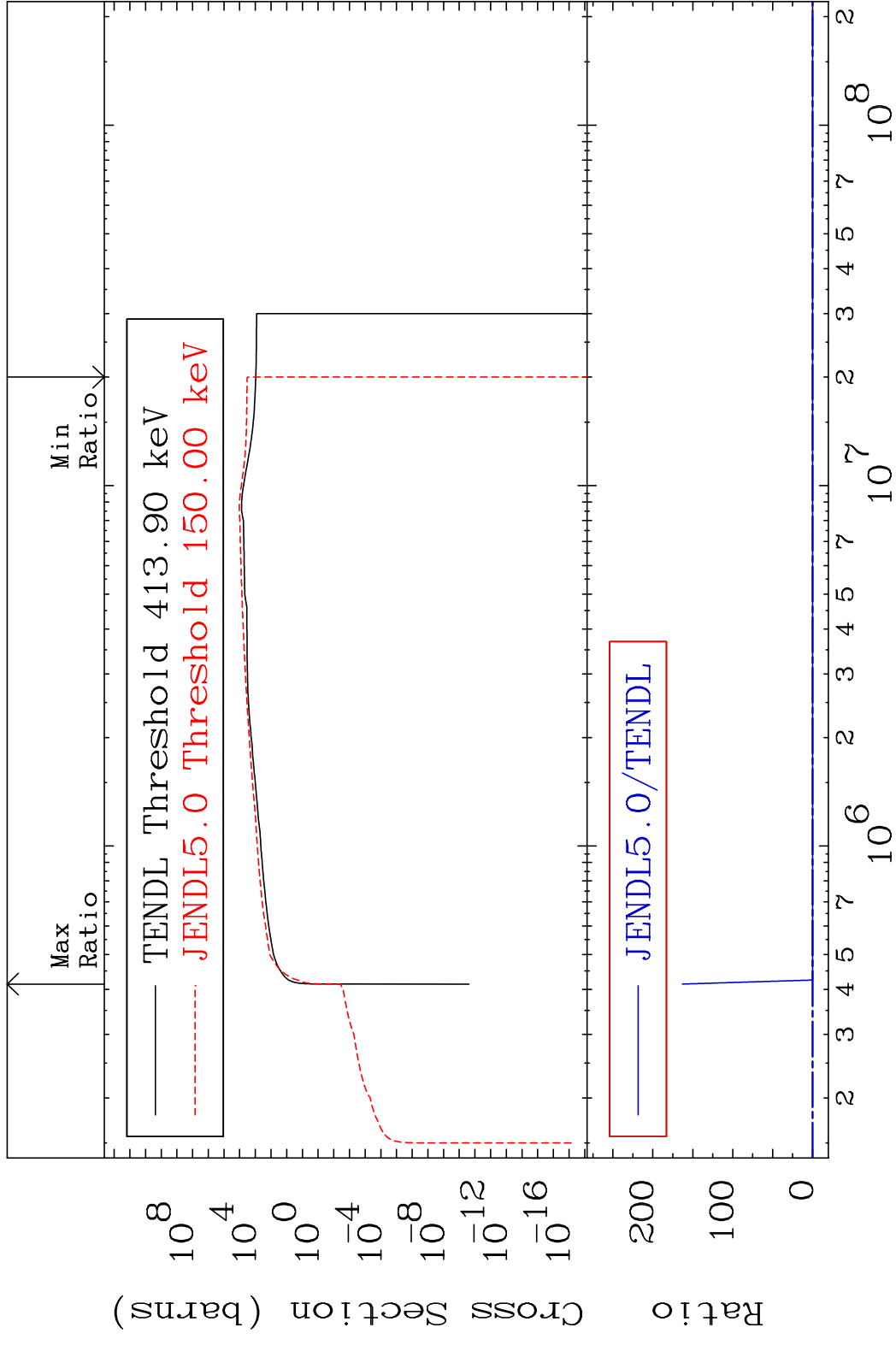


61

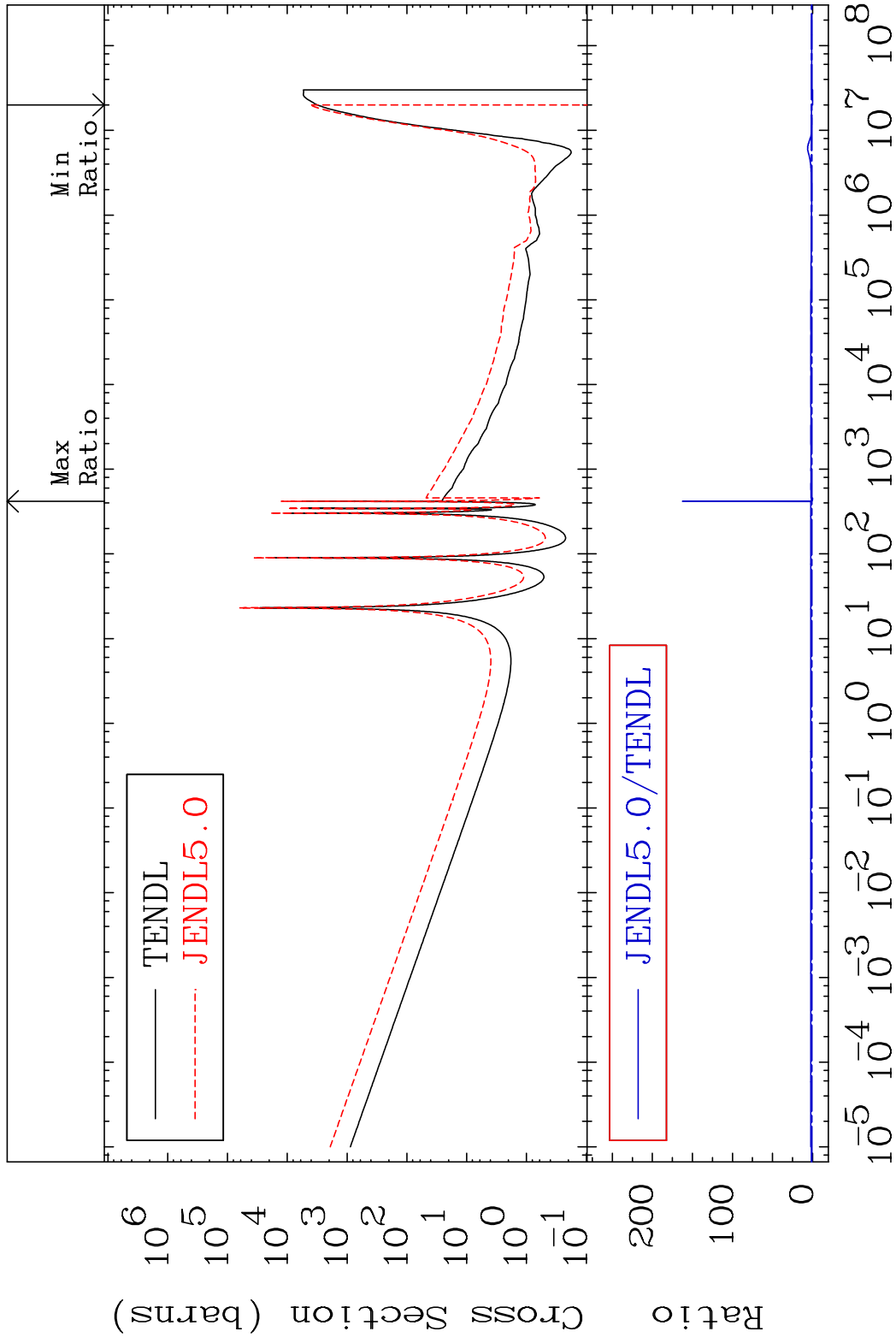
Incident Energy (eV)

80-Hg-198

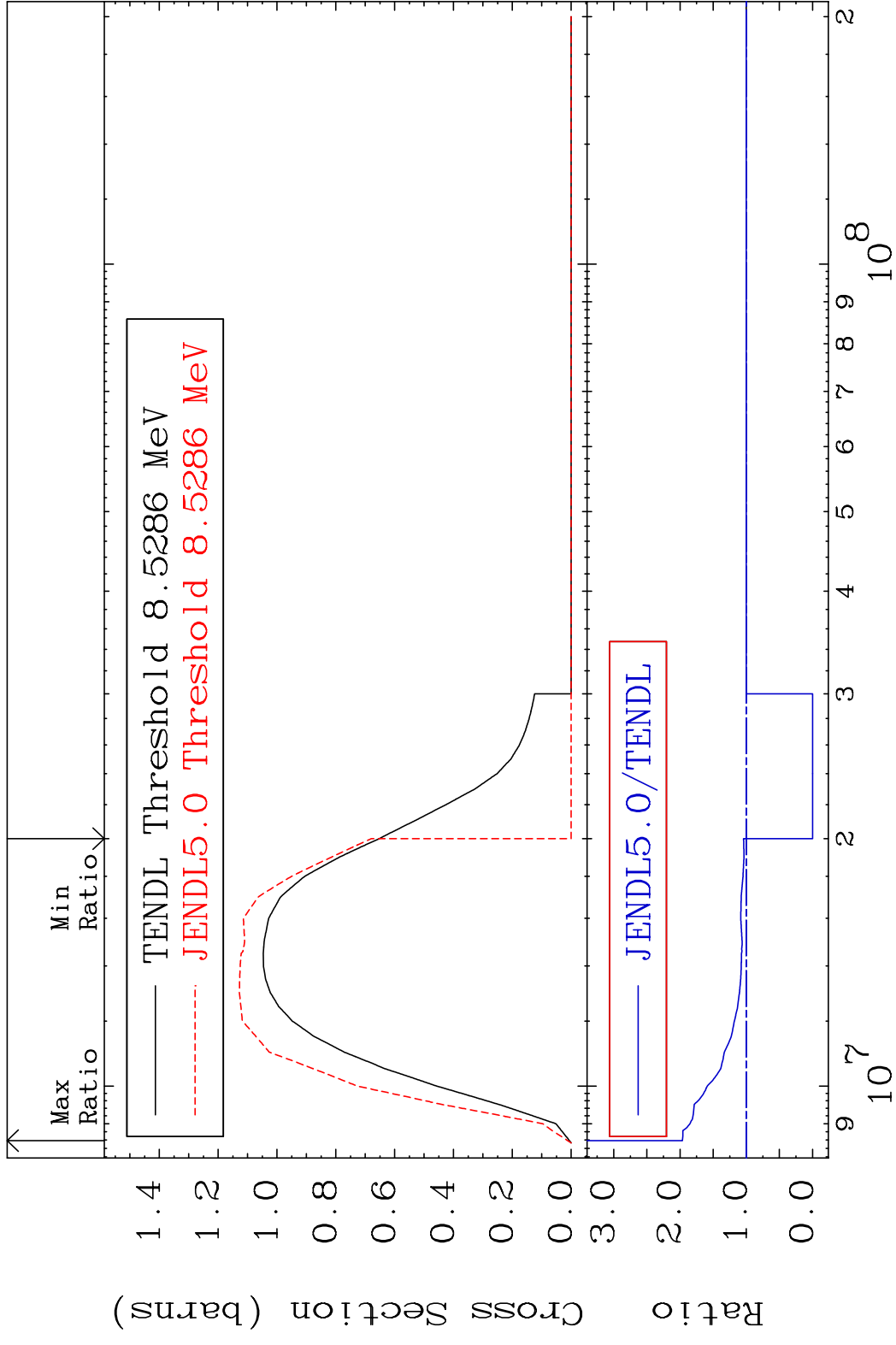
MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198
 Cross Section -100.0 To 9999. %



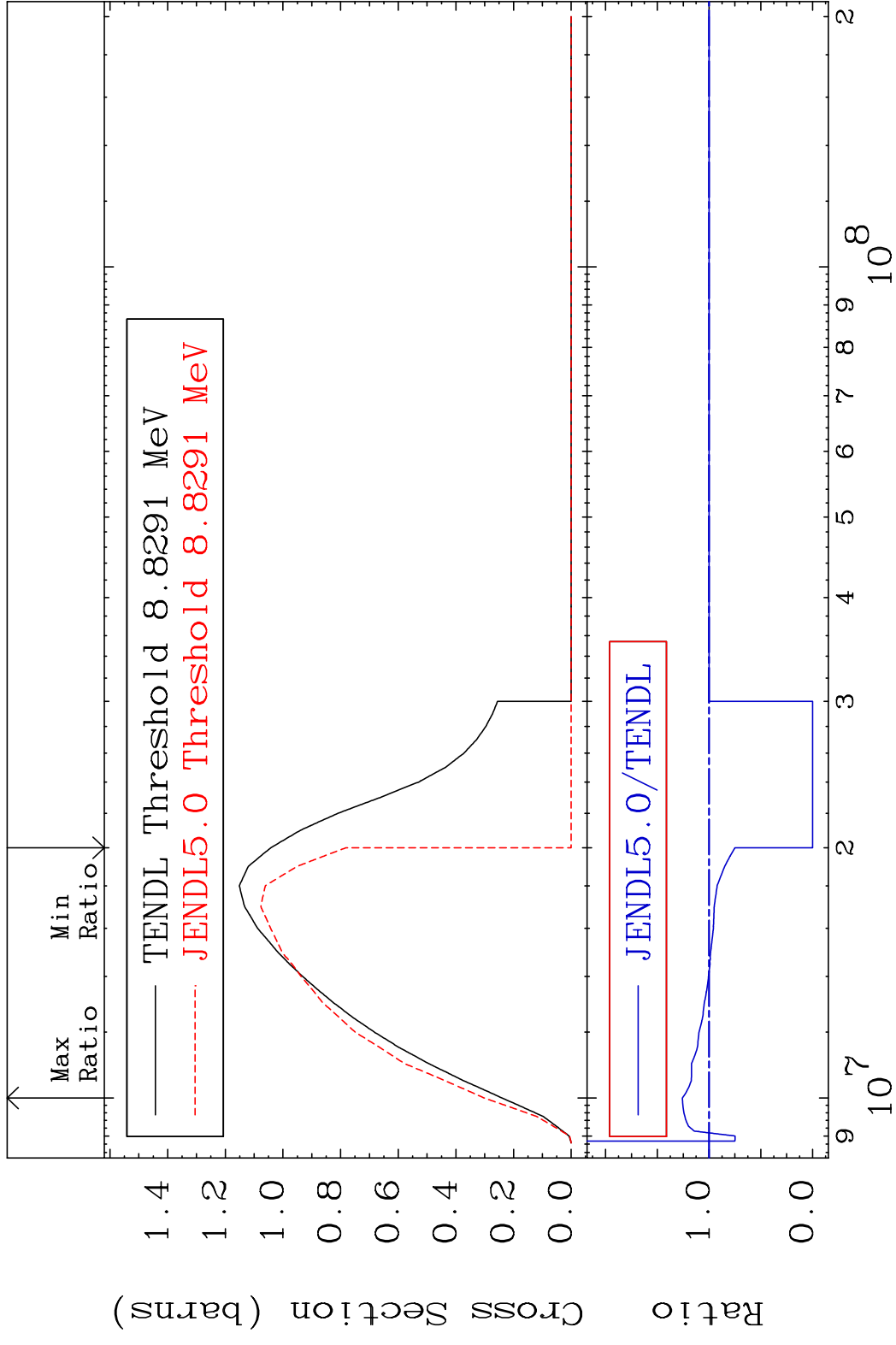
MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -100.0 To 9999. %



MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section Ratio 96.46 %

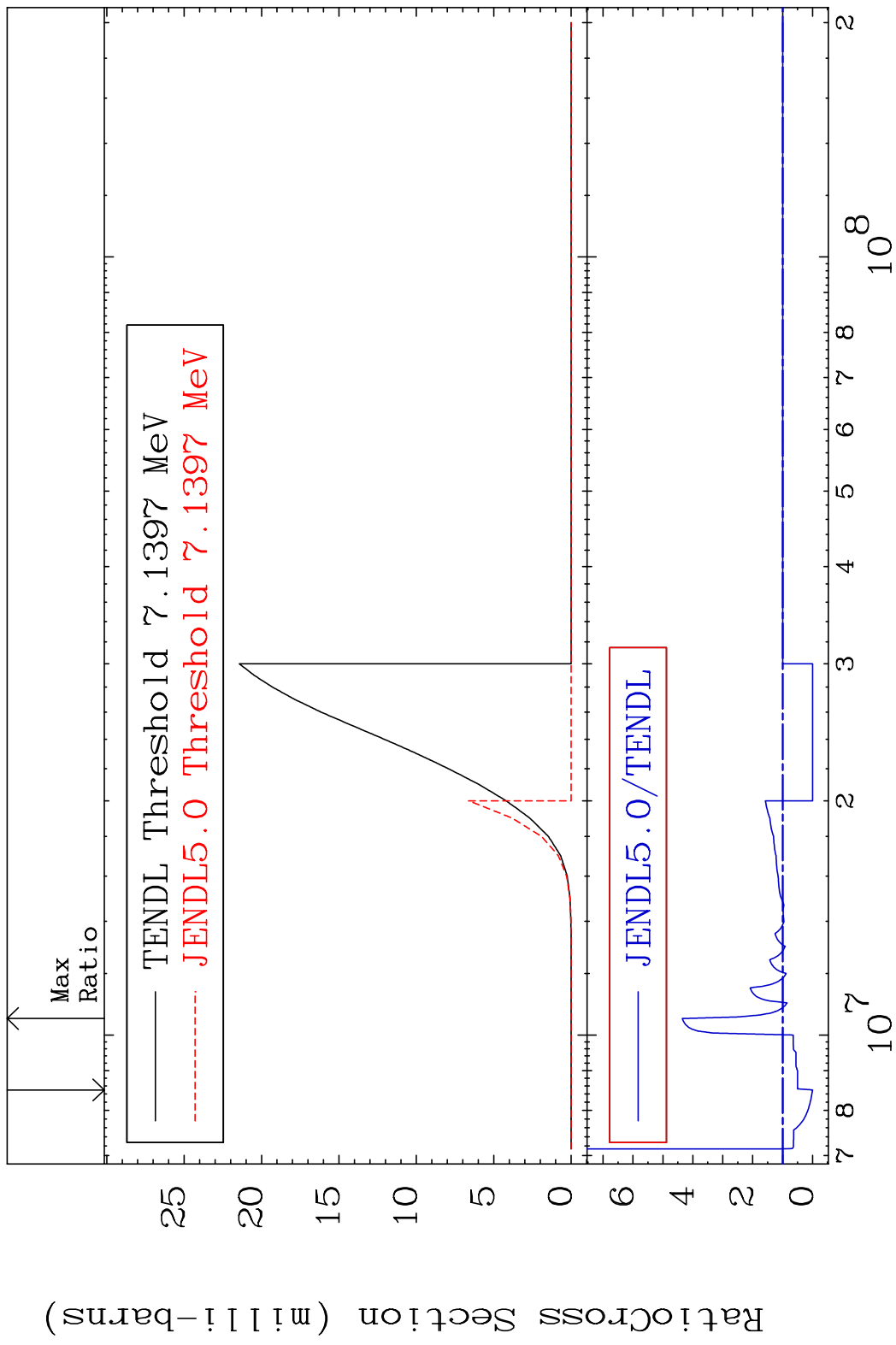


MAT 8031 (n,2n):80-Hg-197m4 80-Hg-198
 Radionuclide Production Cross Section Ratio 25.81 %

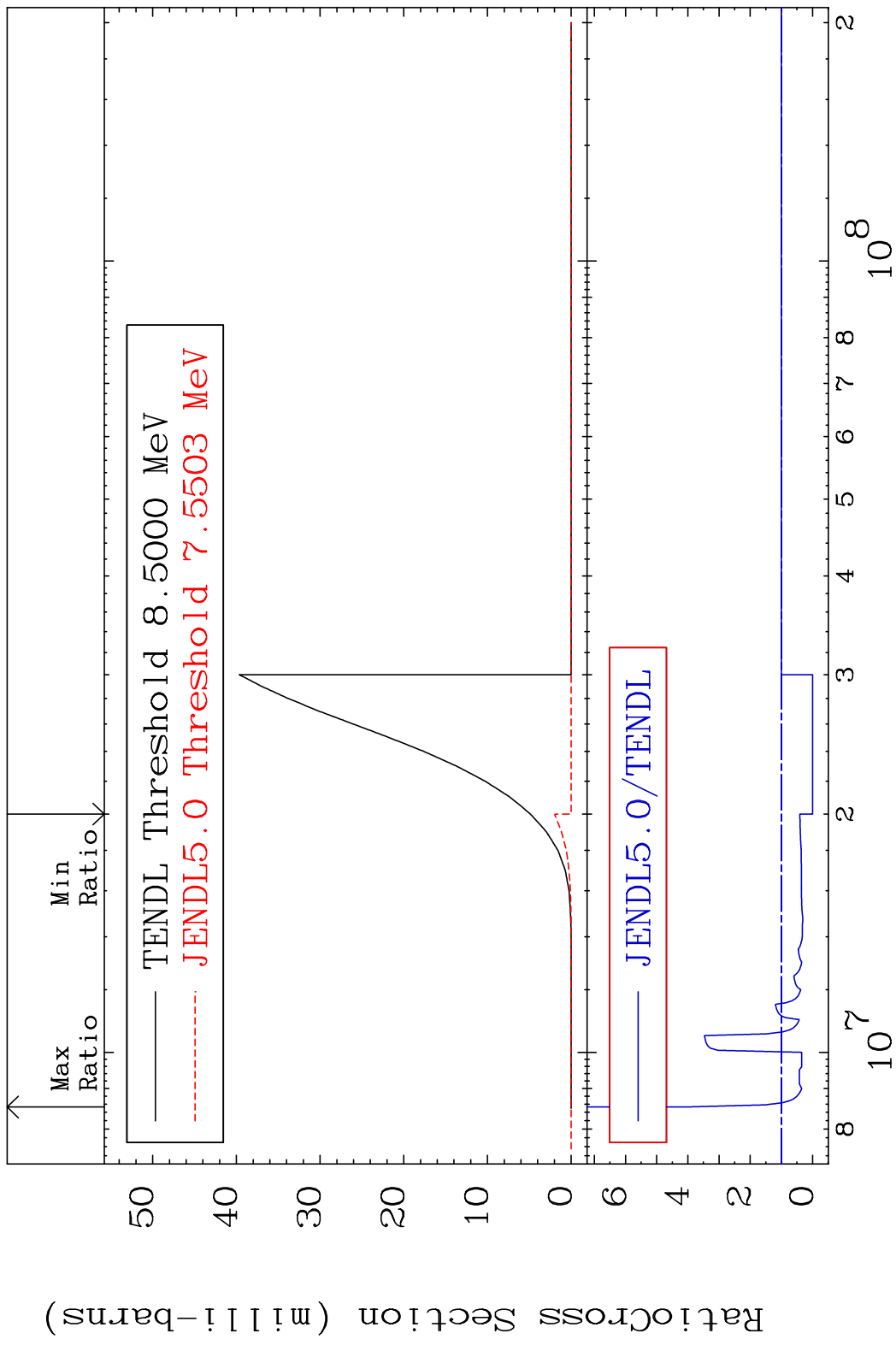


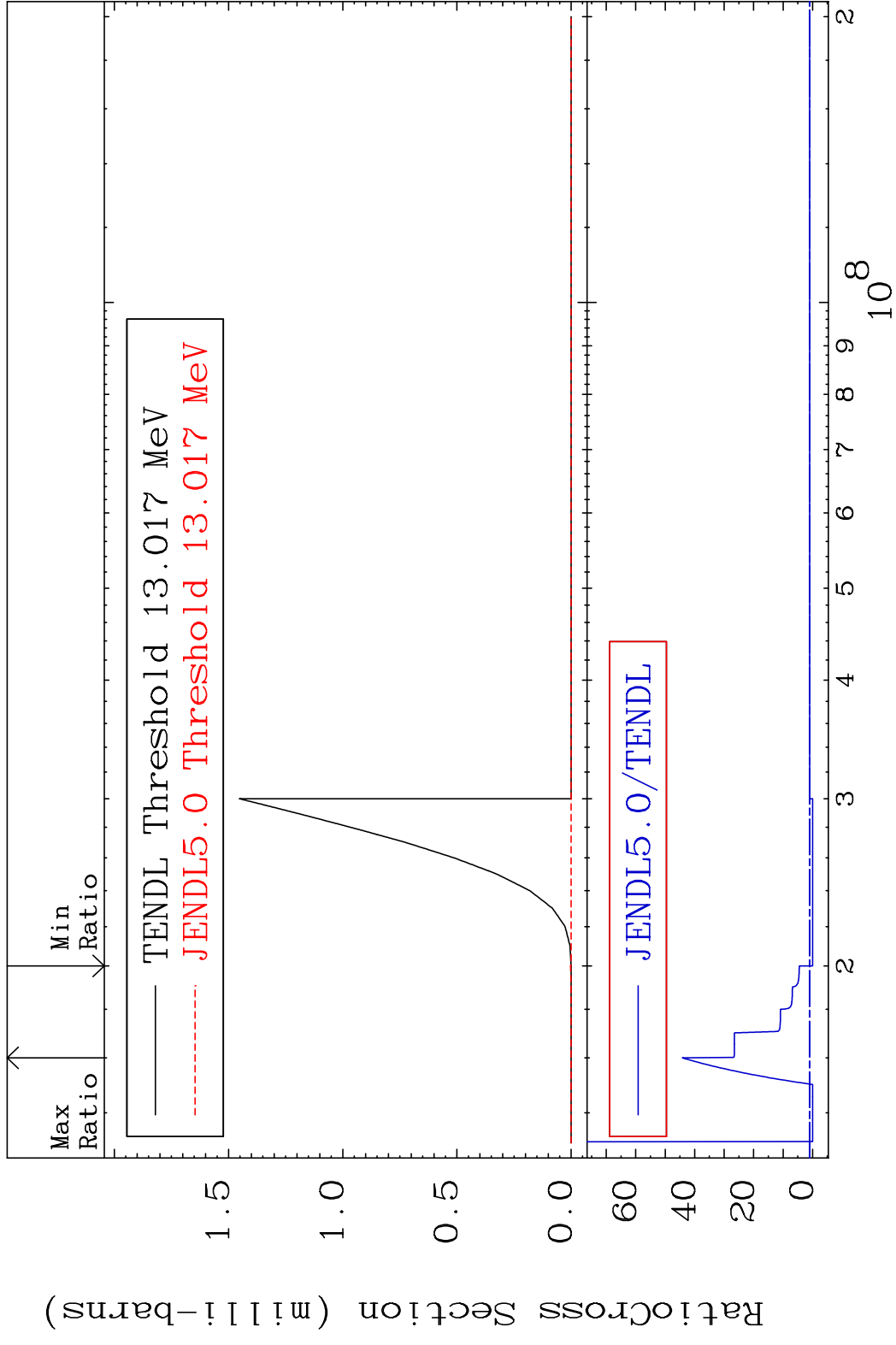
65 Incident Energy (eV) 80-Hg-198

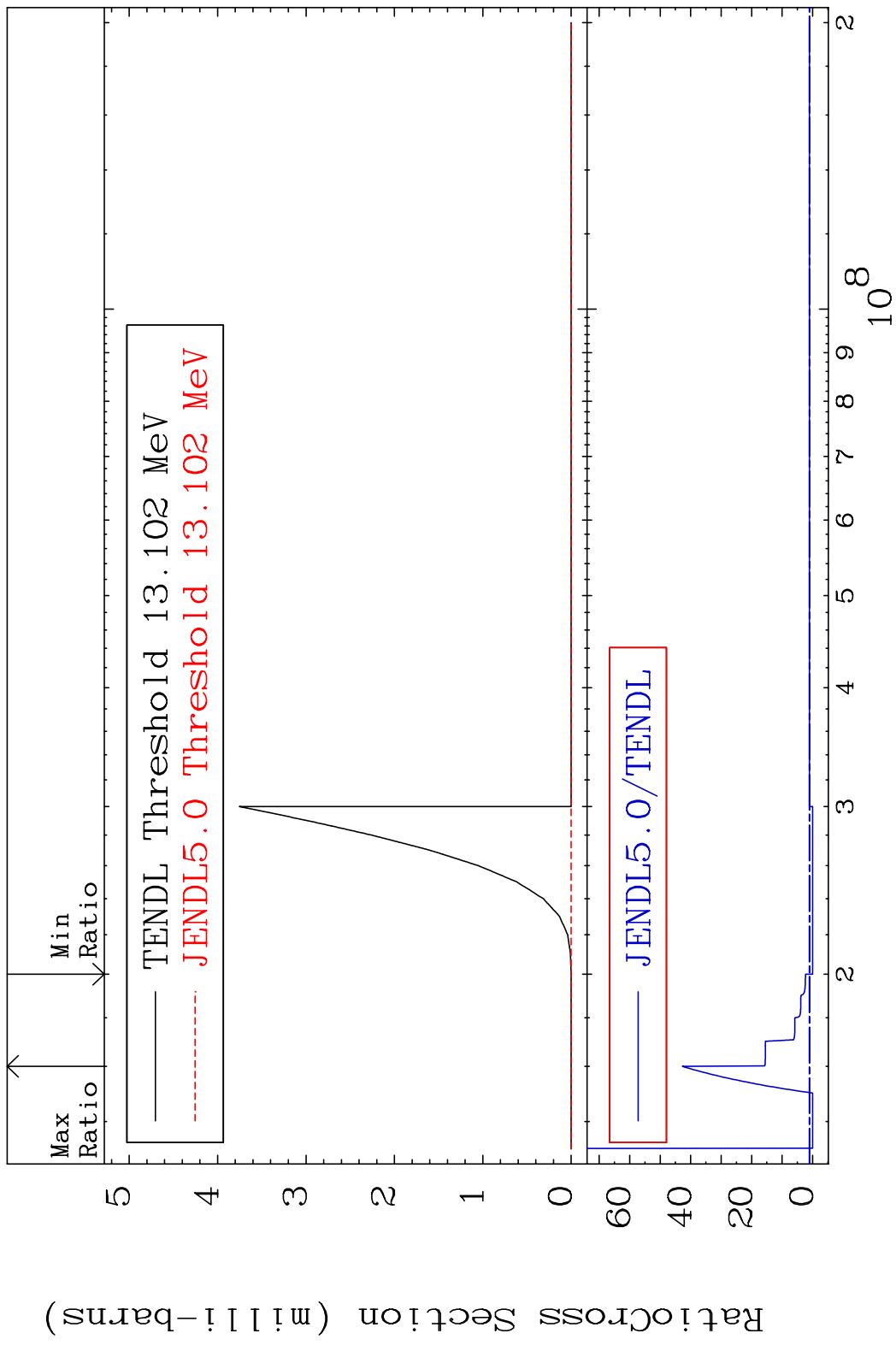
MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 335.0 %



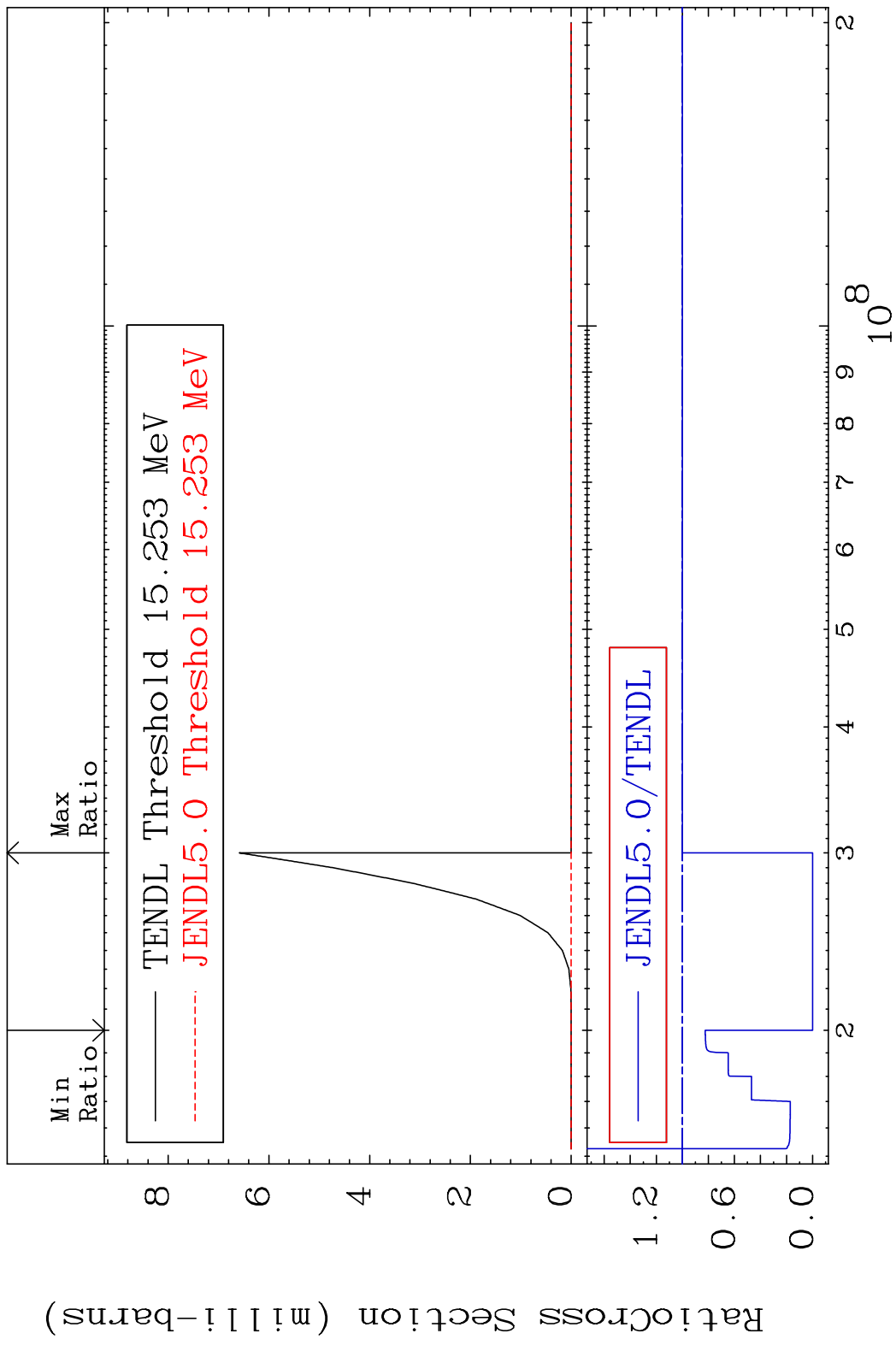
MAT 8031 (n, n') p:79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section Ratio 317.8 %

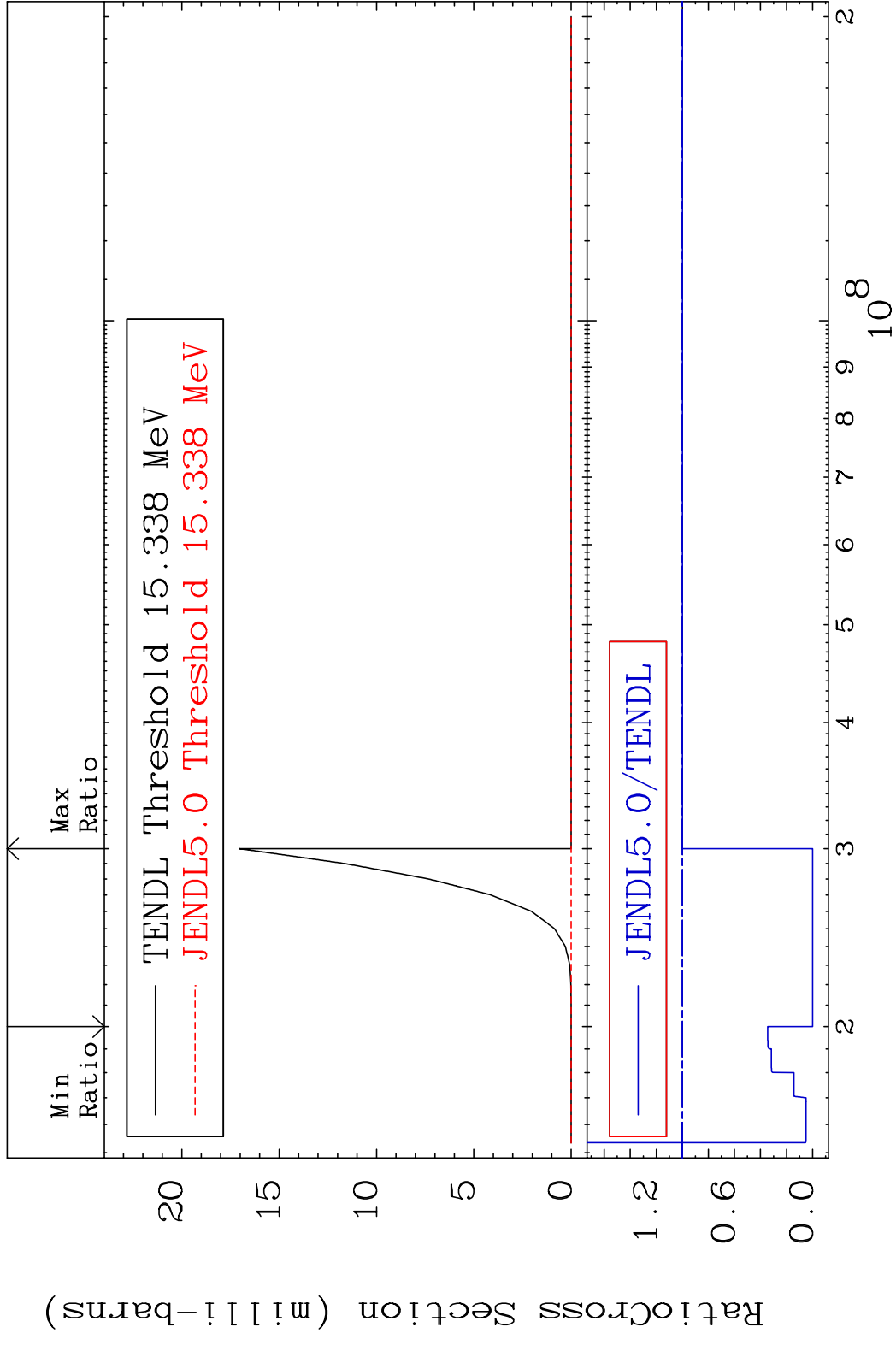


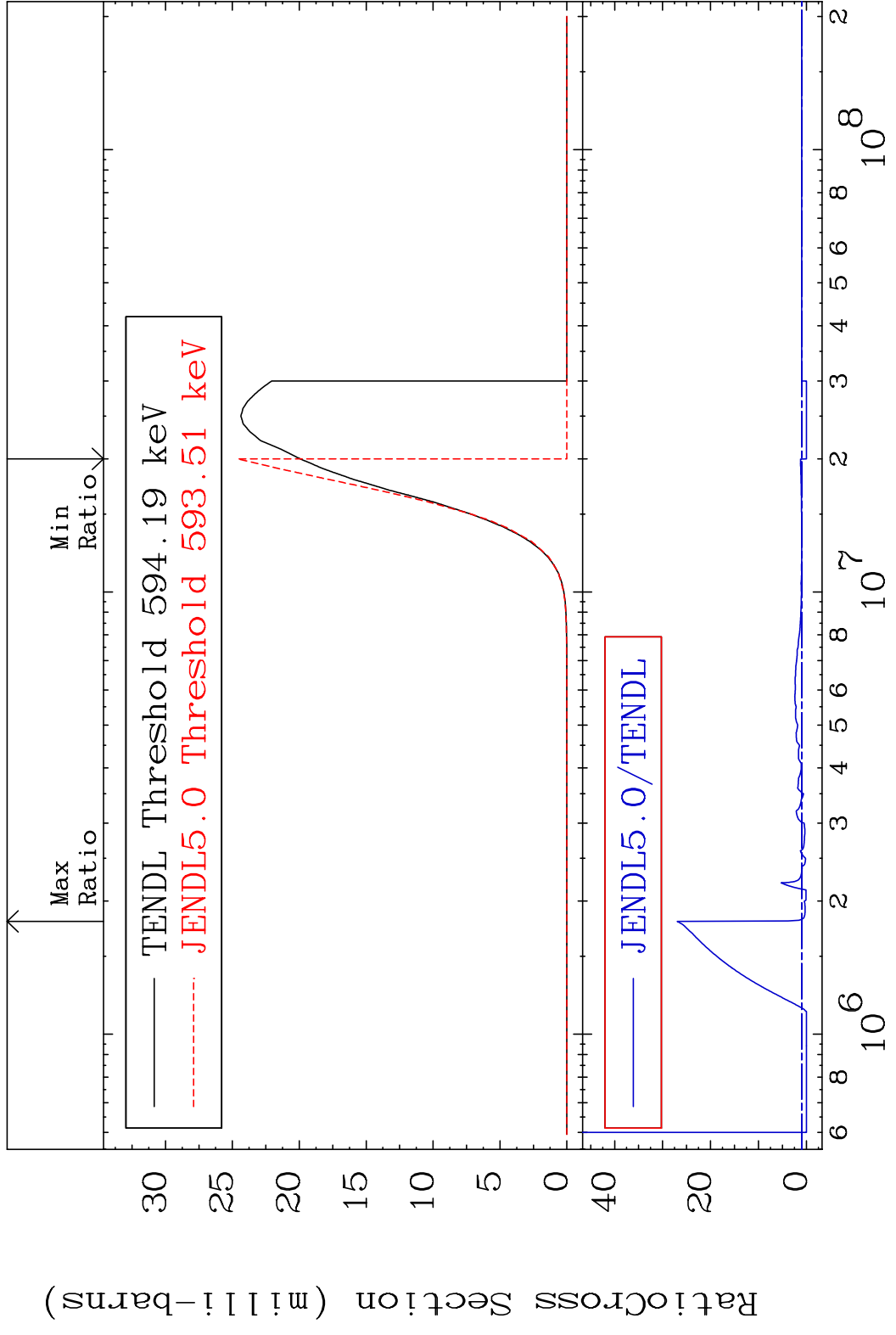


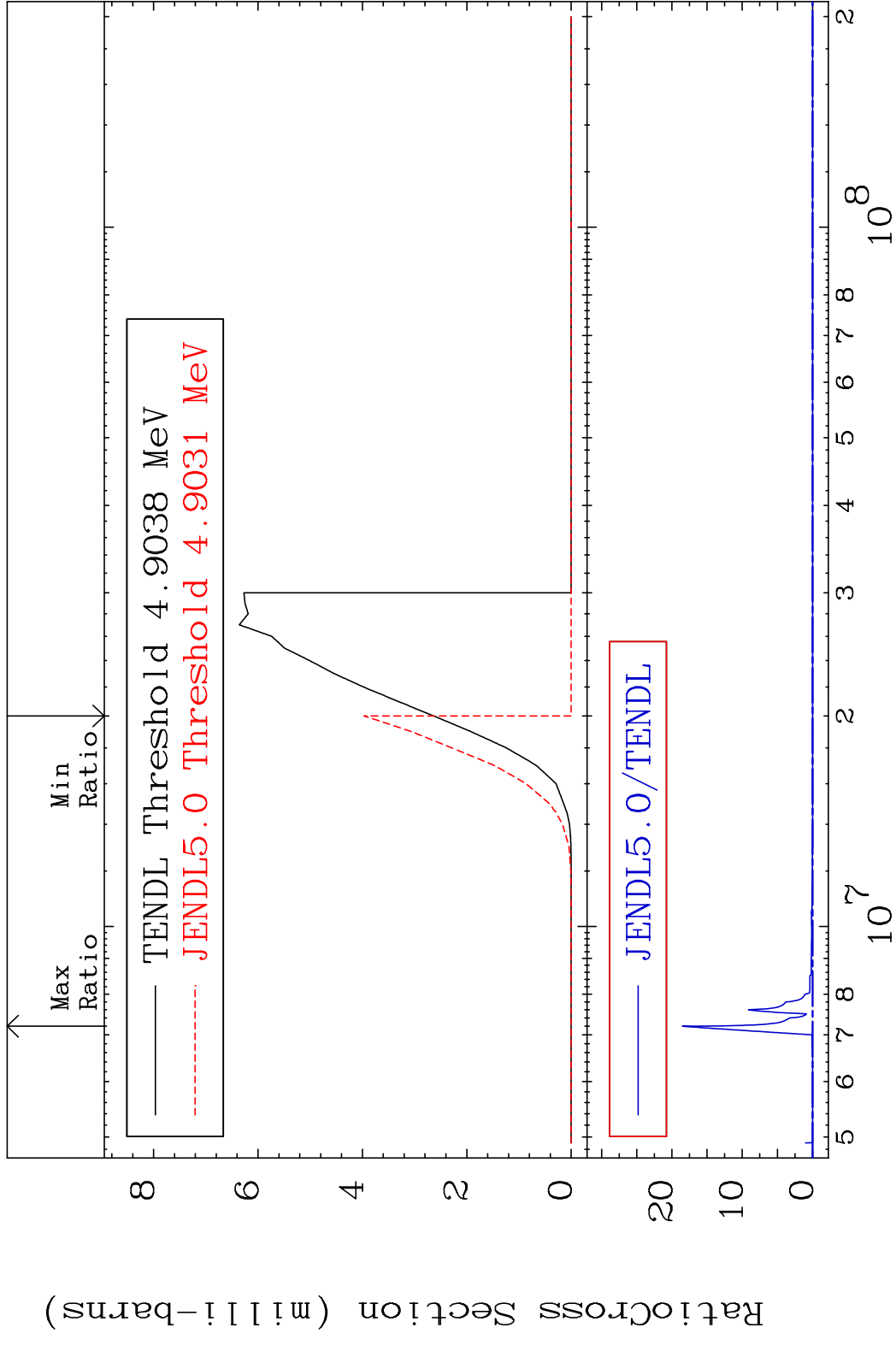


MAT 8031 (n,2n) p:79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section Ratio 0.000 %

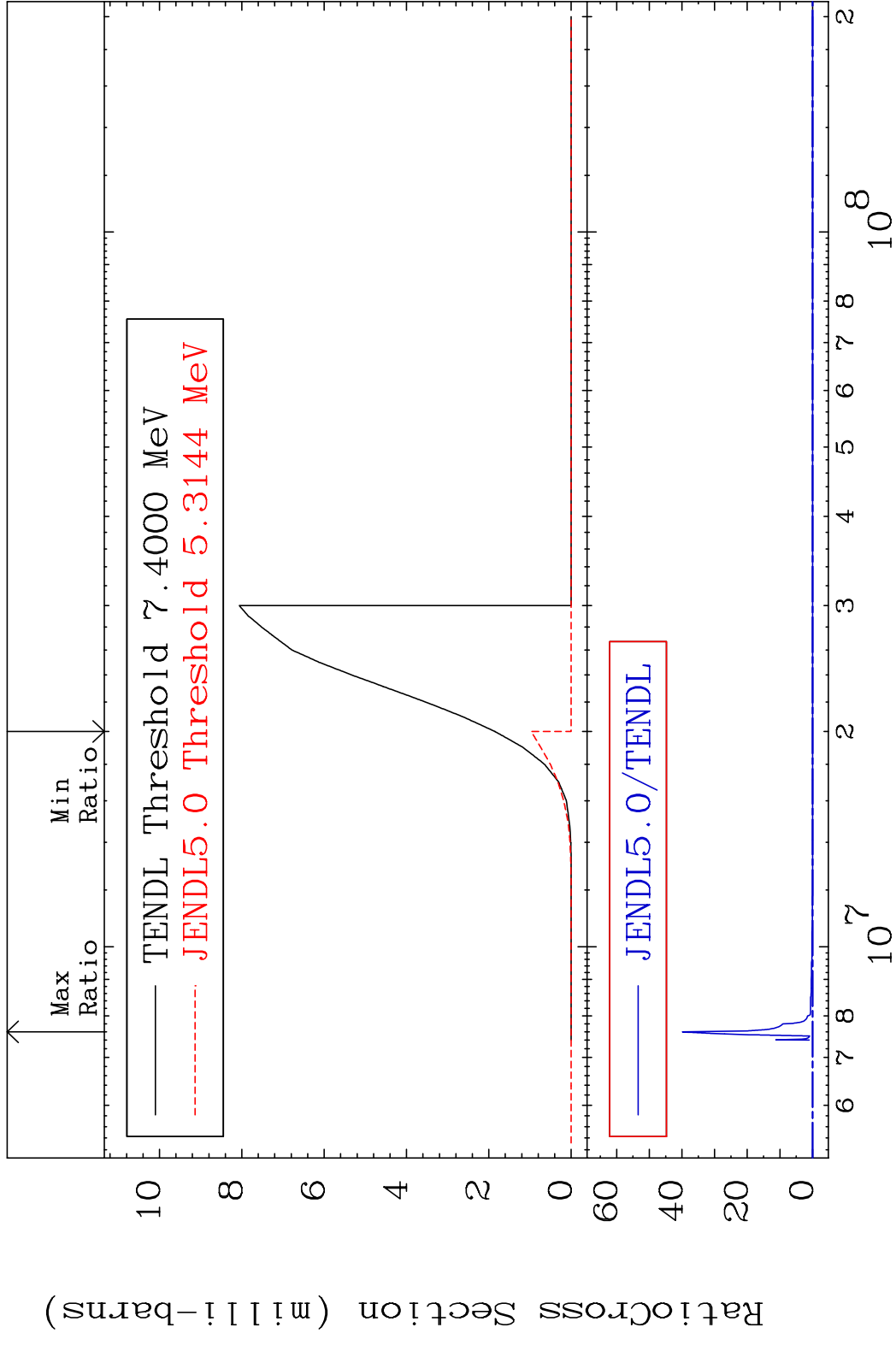




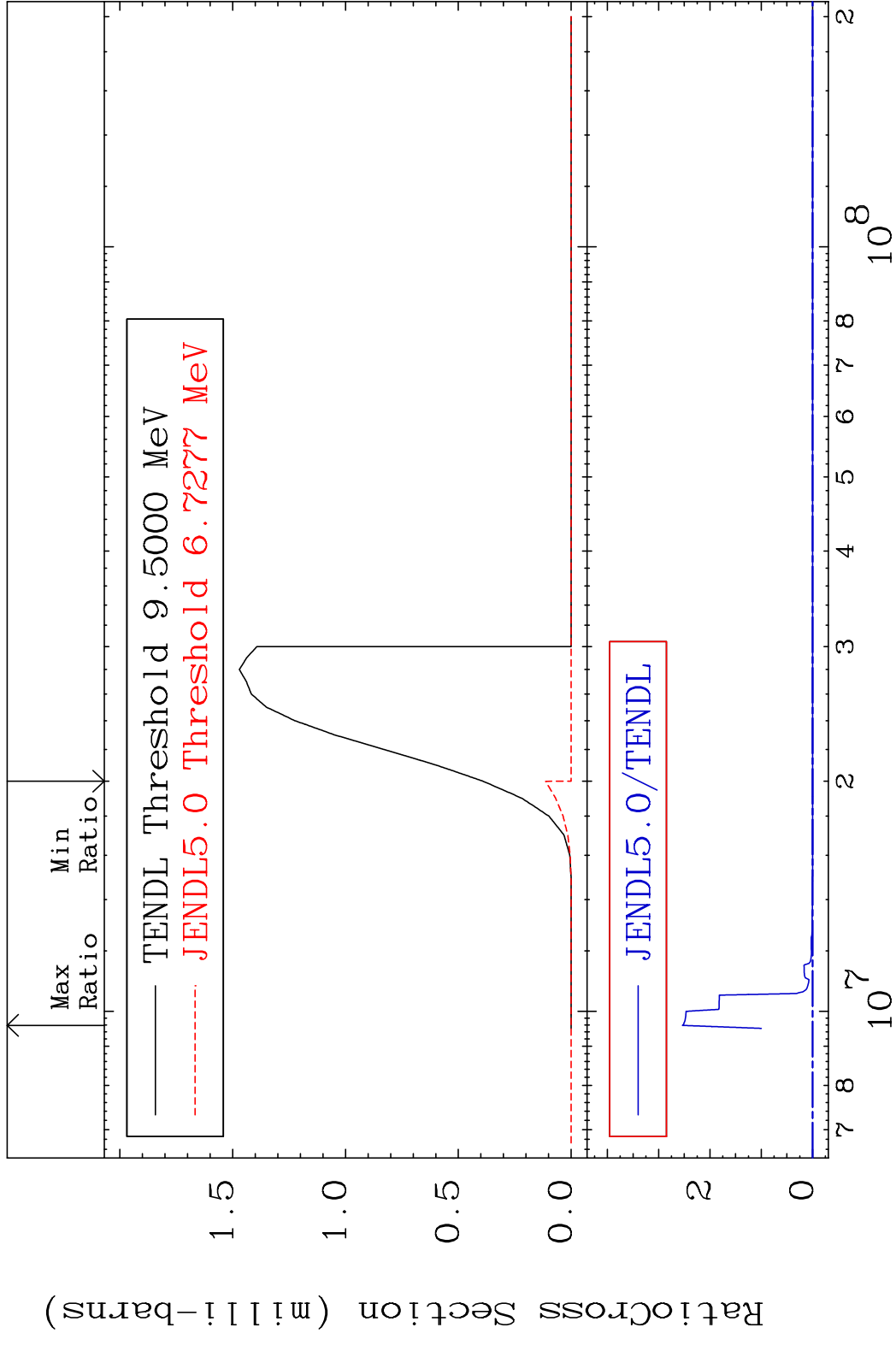




MAT 8031 (n,d):79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section Ratio



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



75 Incident Energy (eV) 80-Hg-198

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

