

Program Complot
(Version 2021-1)

by

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U.S.A.

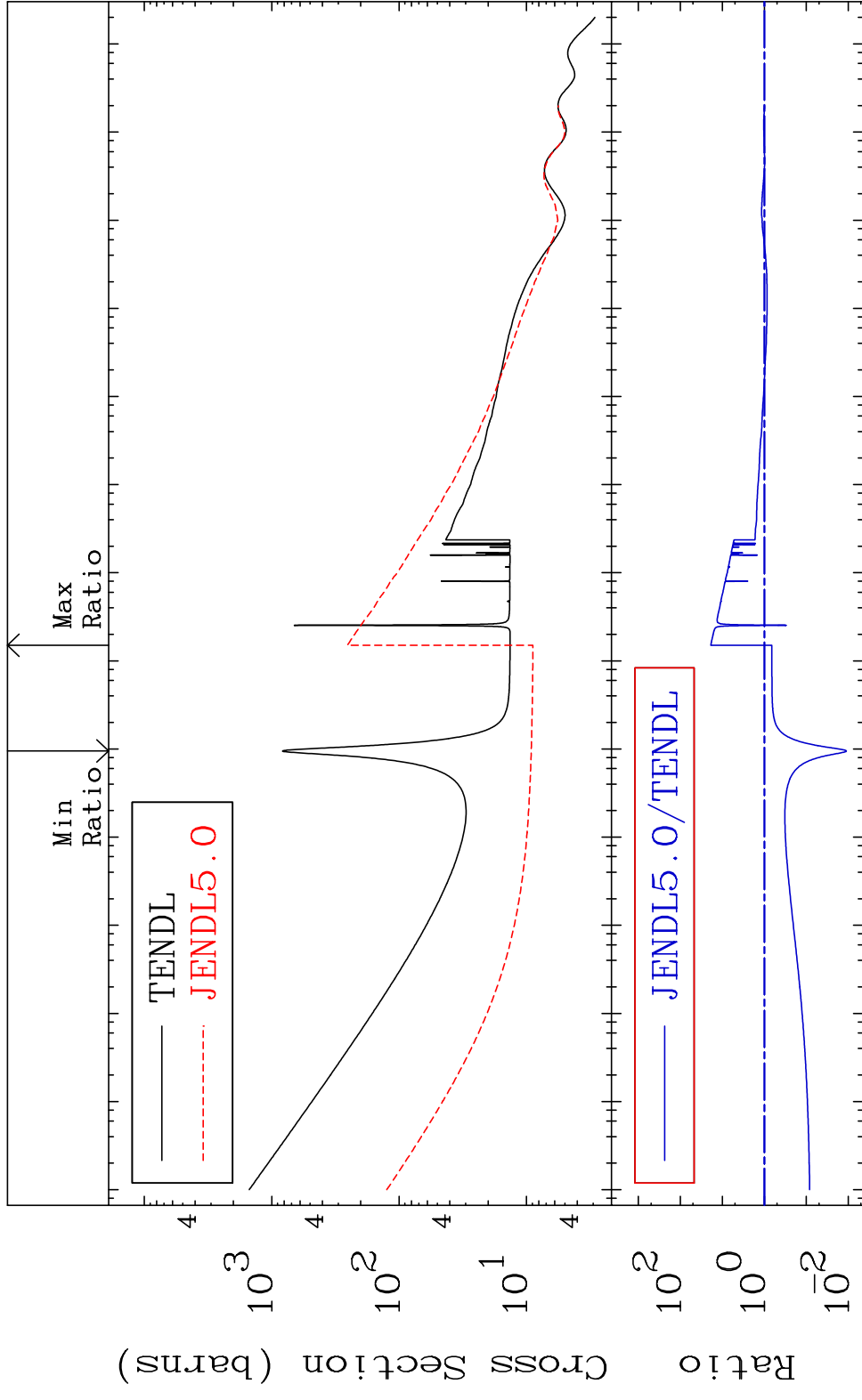
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8028

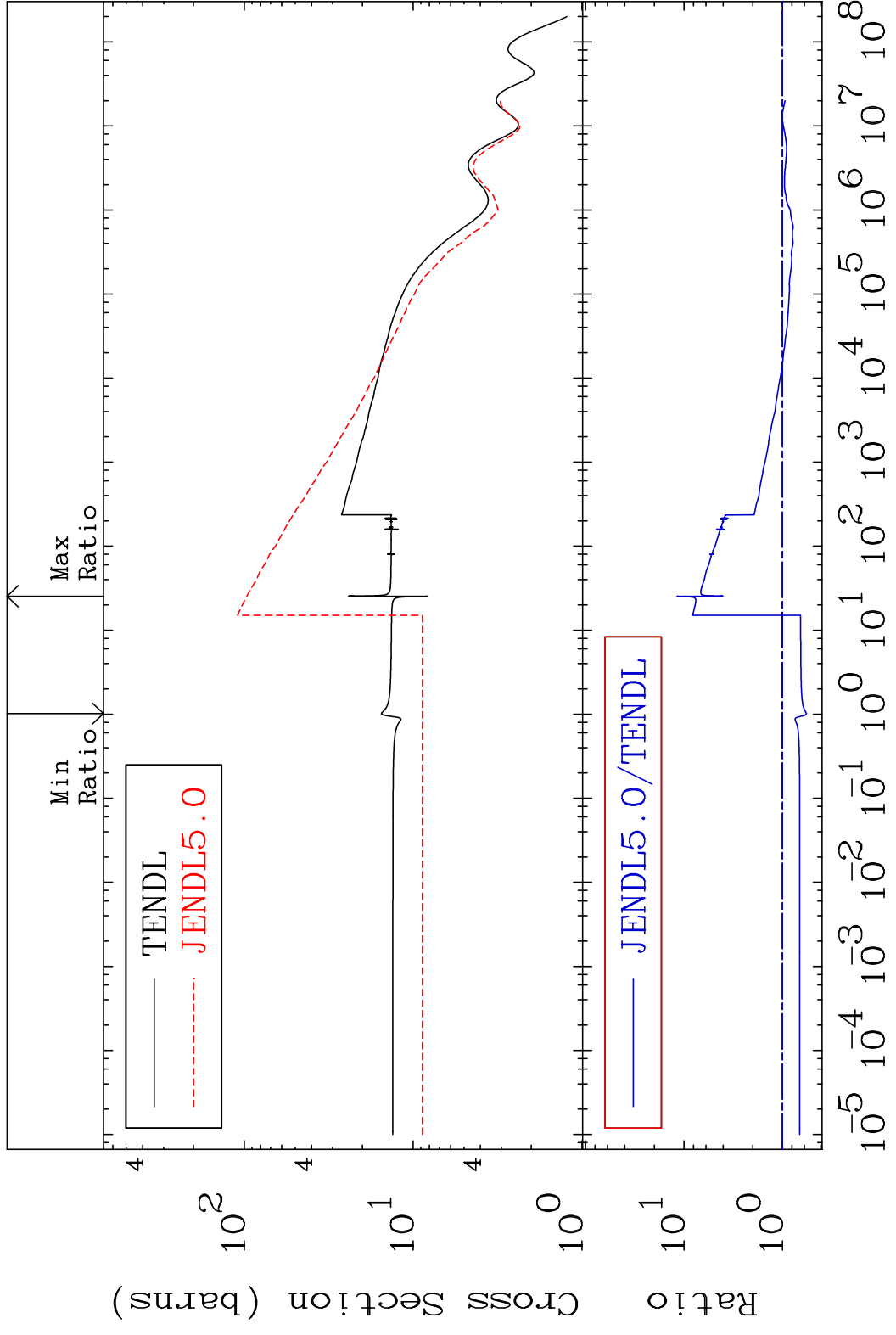
Total Cross Section -98.89 To 1794. %
80-Hg-197



1 Incident Energy (eV) 80-Hg-197

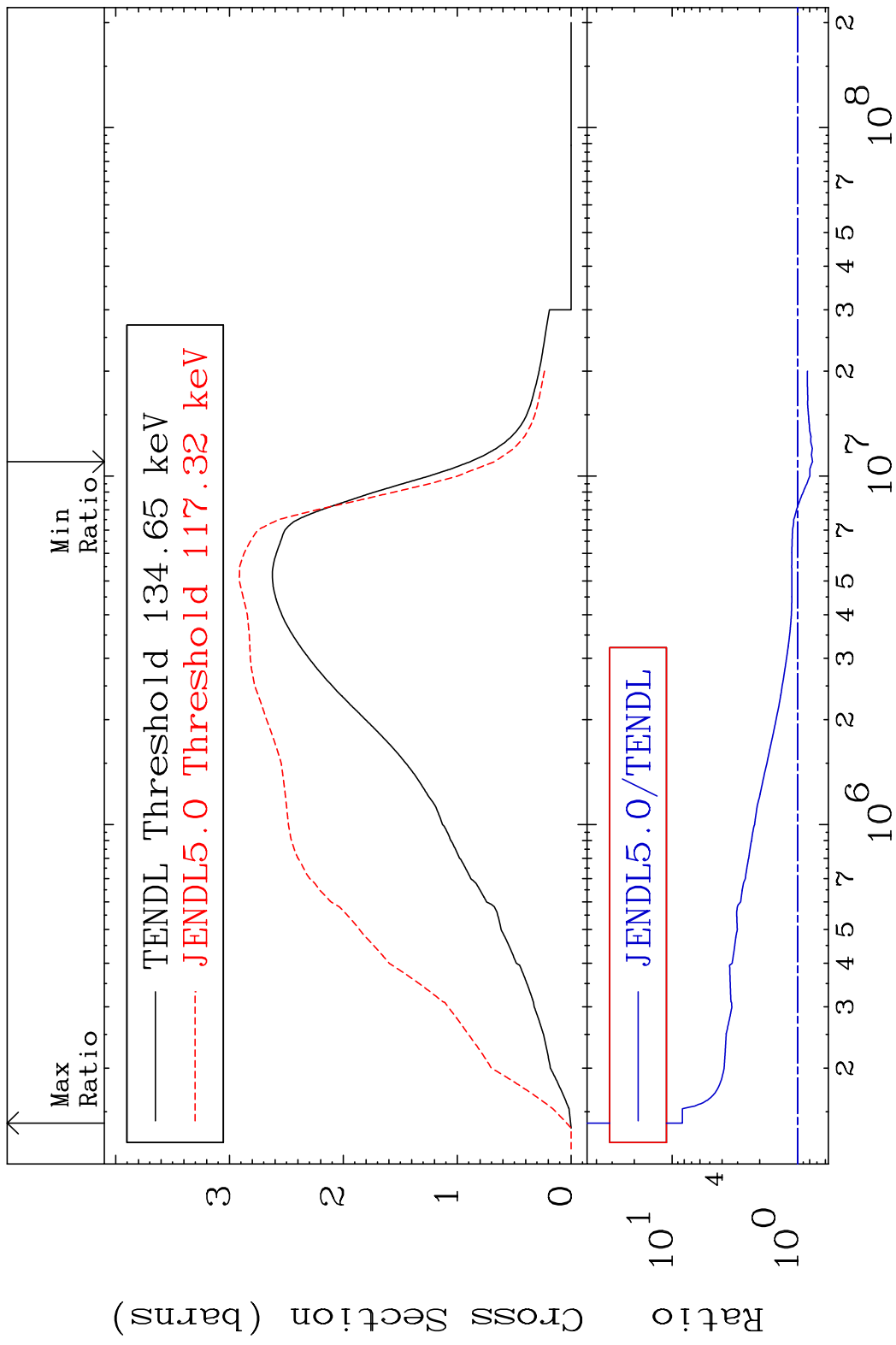
MAT 8028

Elastic Cross Section -42.84 To 1074. %
80-Hg-197



2 Incident Energy (eV) 80-Hg-197

MAT 8028 Inelastic 80-Hg-197
 Cross Section -24.15 To 727.6 %



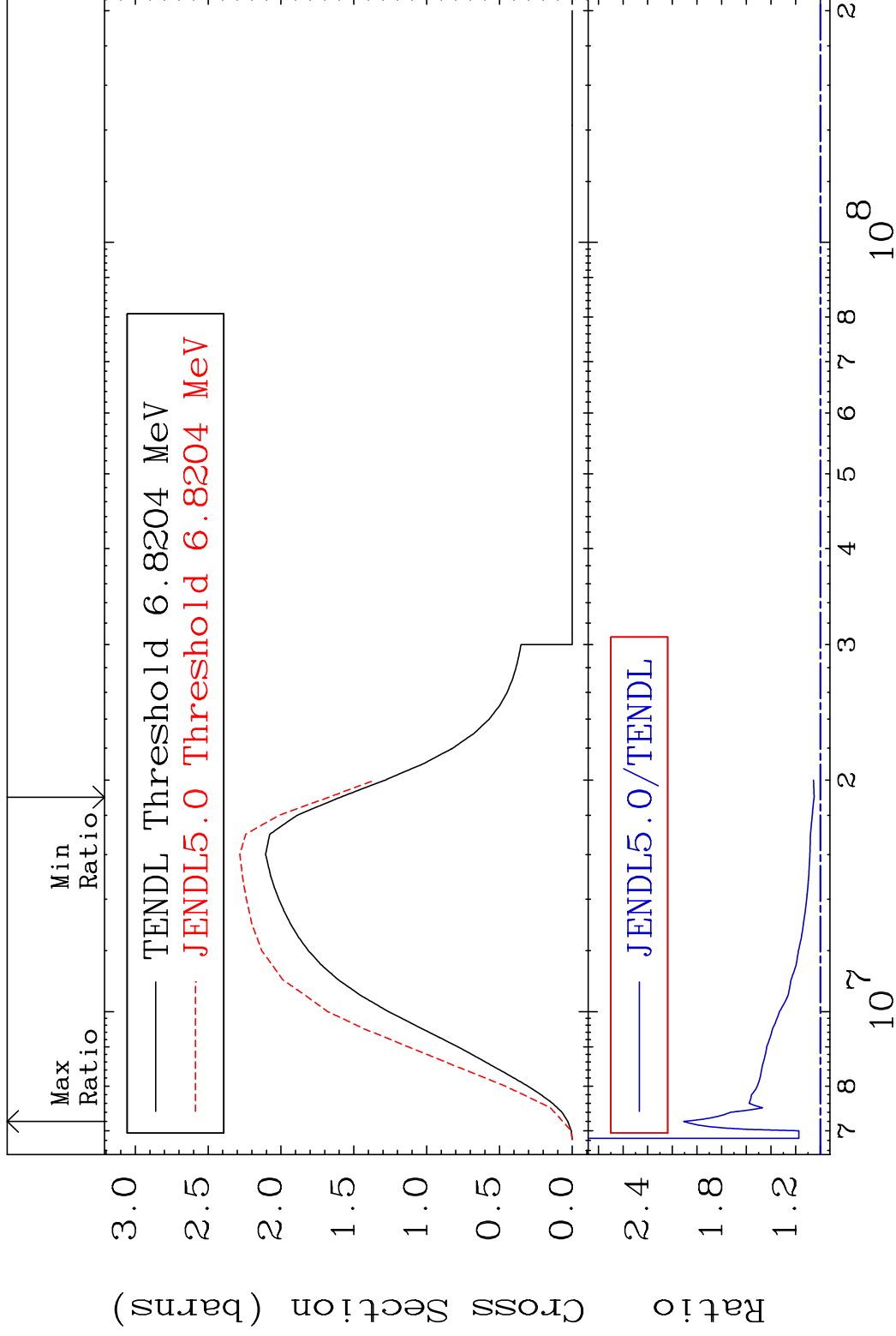
3 3 Incident Energy (eV) 80-Hg-197

MAT 8028

(n,2n)

80-Hg-197

Cross Section 4.986 To 110.8 %



4

Incident Energy (eV)

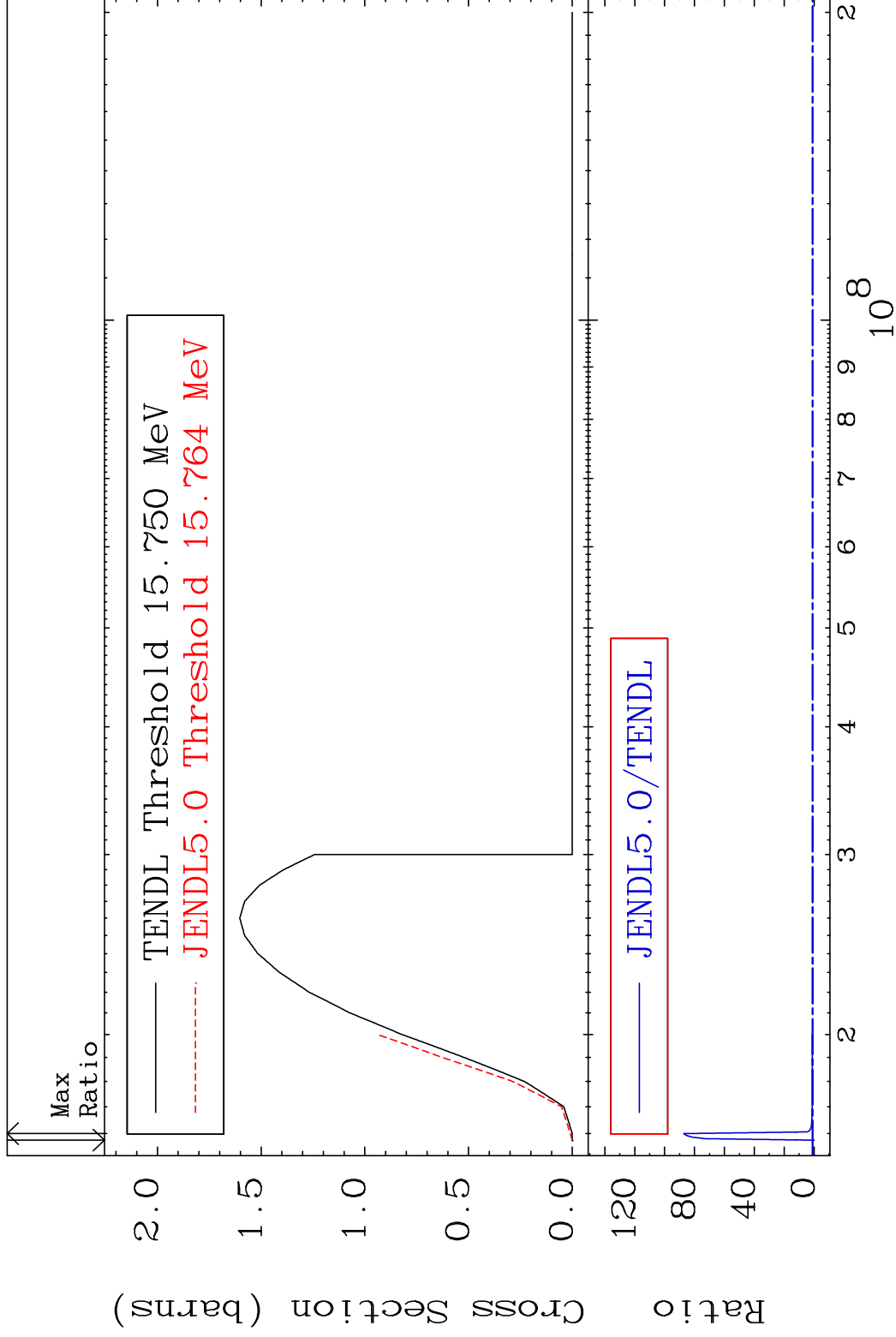
80-Hg-197

MAT 8028

(n,3n)

80-Hg-197

Cross Section -100.0 To 8626. %



5

Incident Energy (eV)

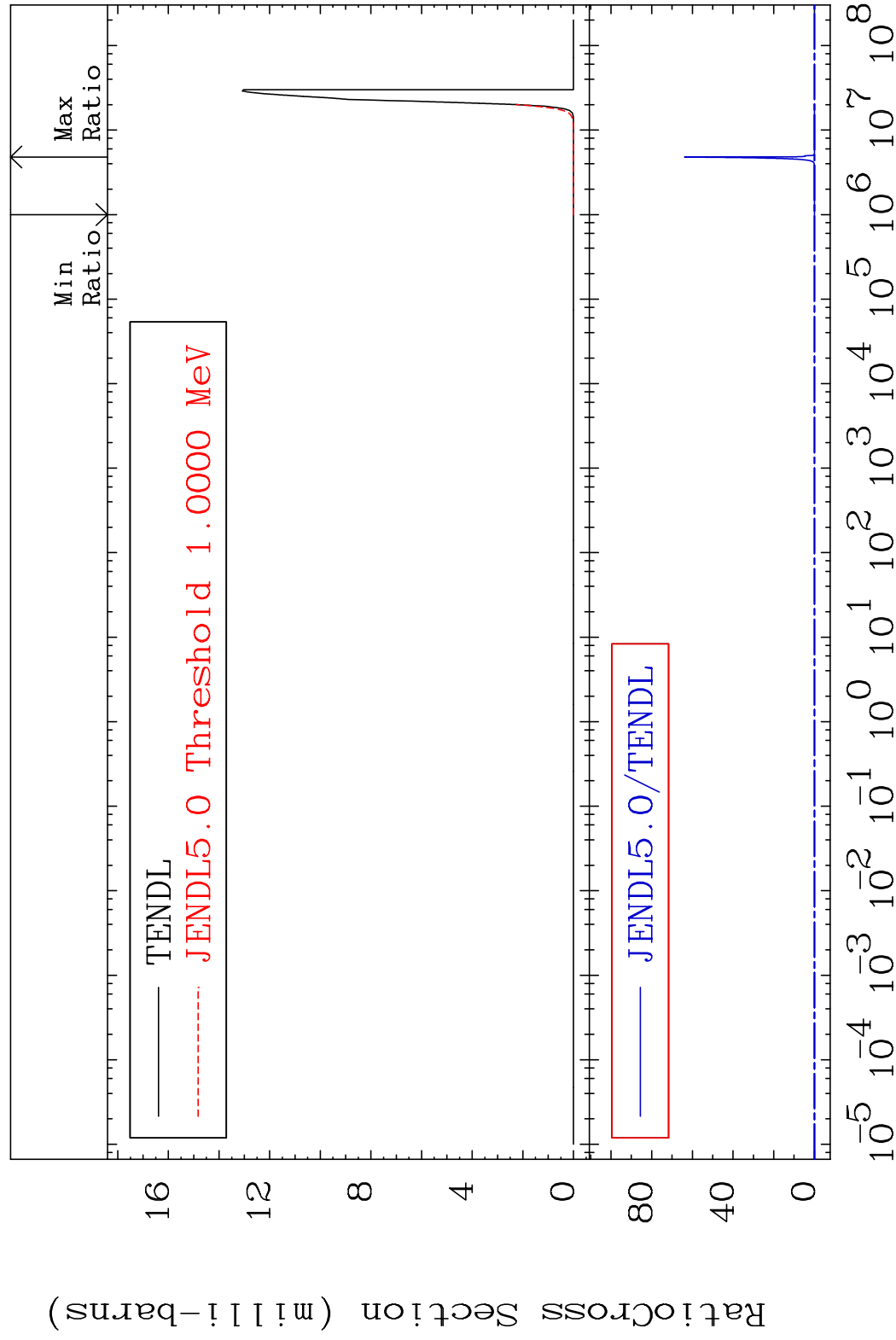
80-Hg-197

MAT 8028

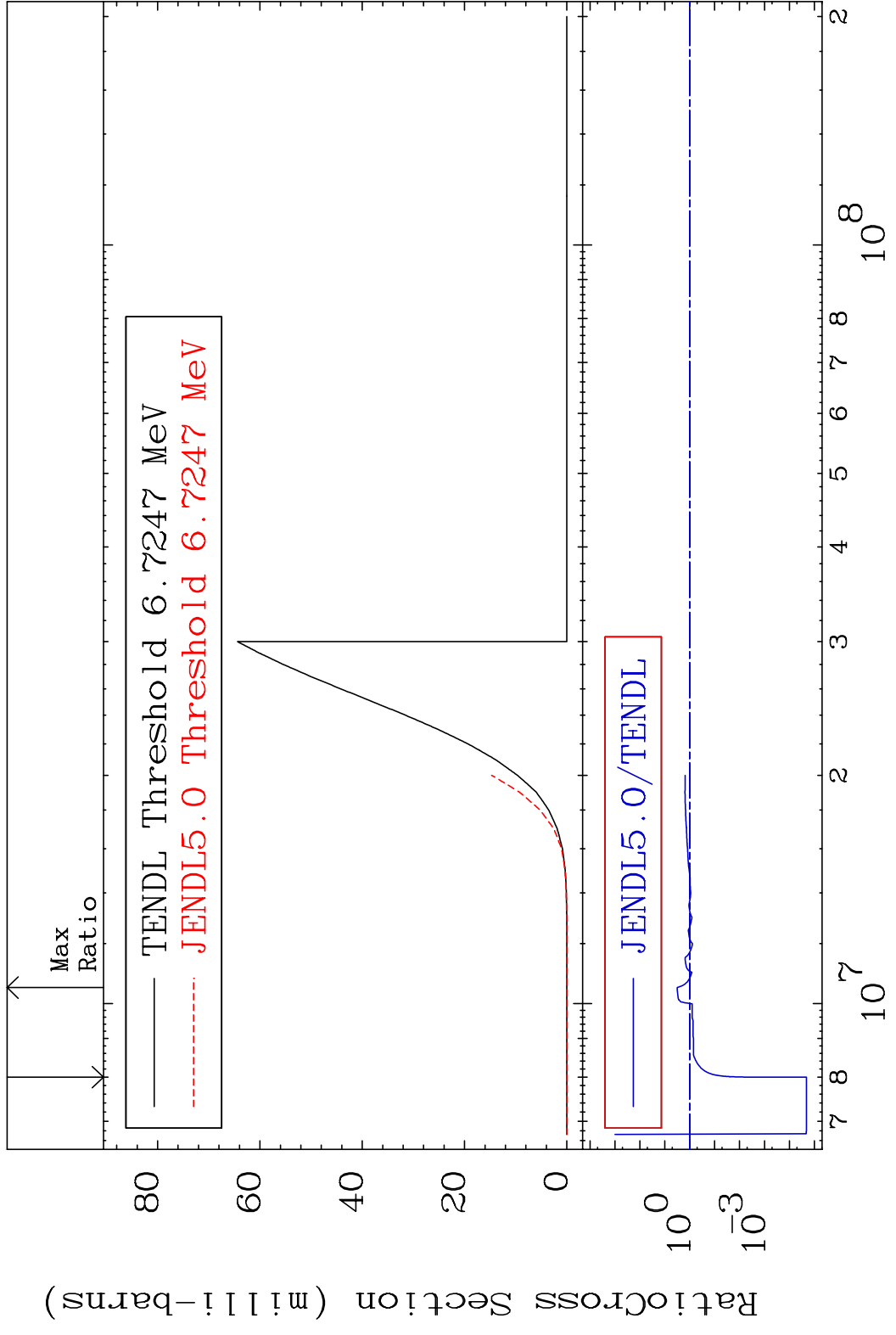
(n, n') α

80-Hg-197

Cross Section -100.0 To 9999. %



MAT 8028 (n, n') p 80-Hg-197
 Cross Section -100.0 To 218.6 %



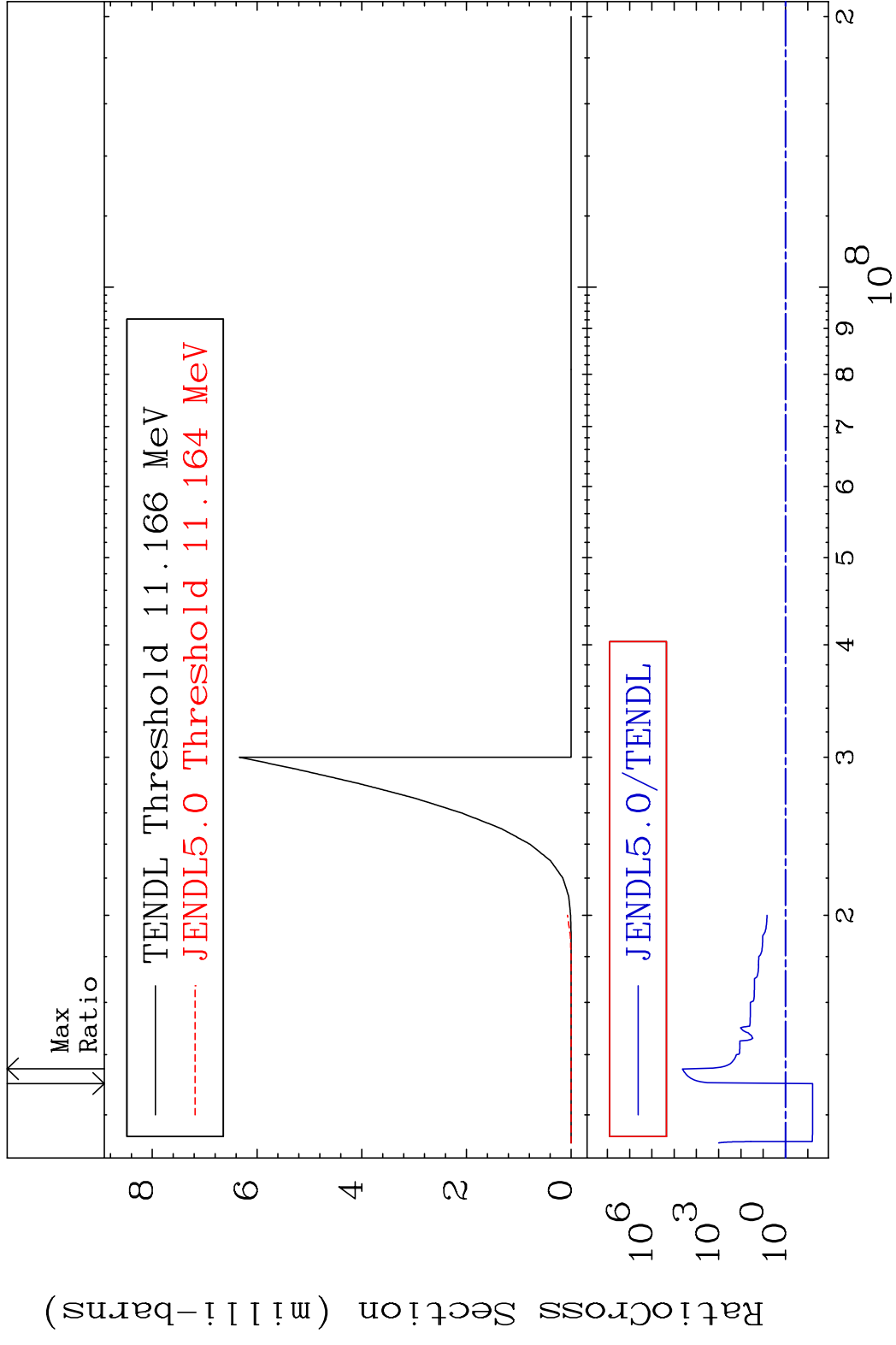
7 80-Hg-197

MAT 8028

(n, n') d

80-Hg-197

Cross Section -93.94 To 9999. %



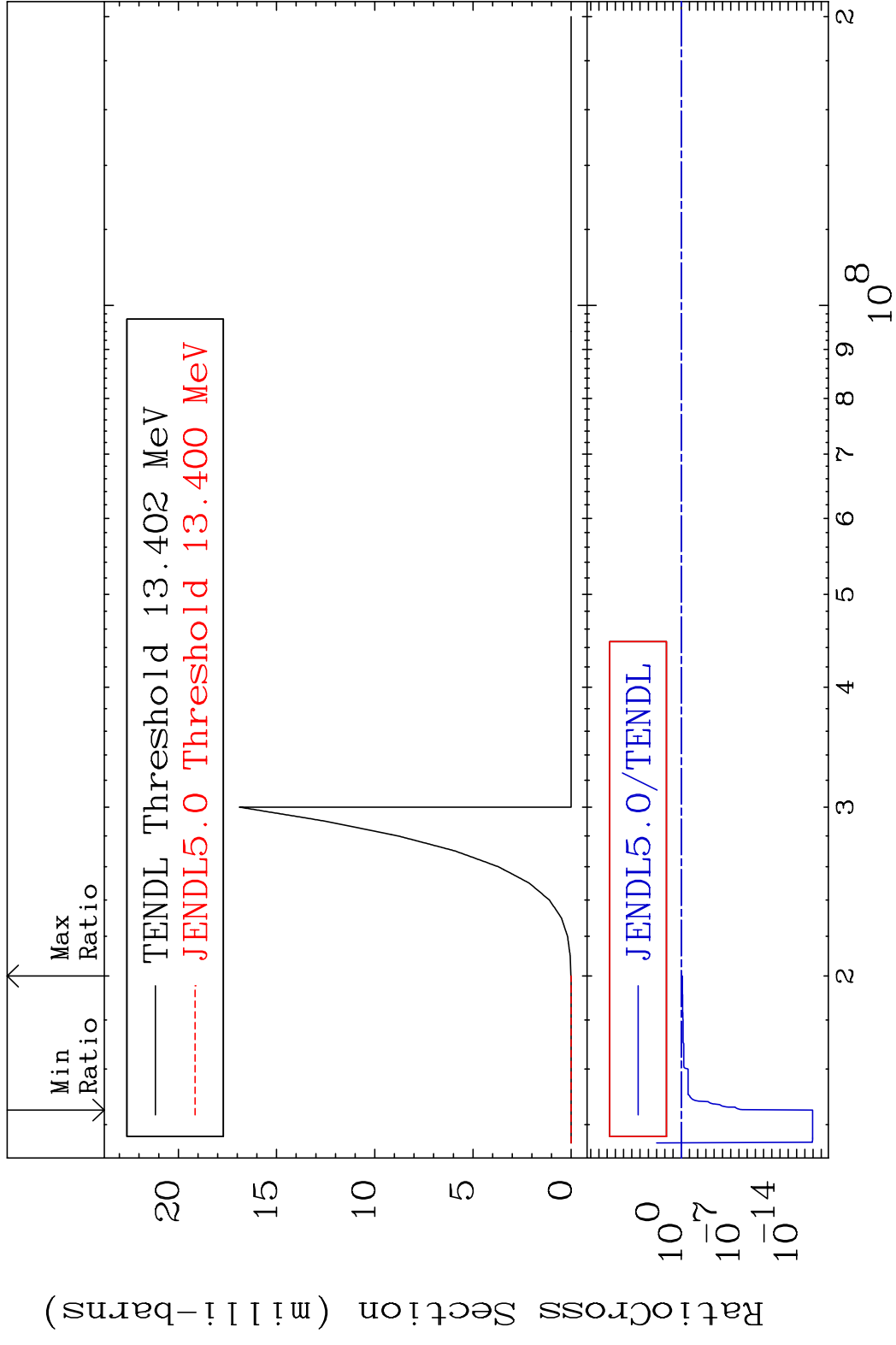
MAT 8028

(n,2n) p

80-Hg-197

Cross Section

-100.0 To -26.47%

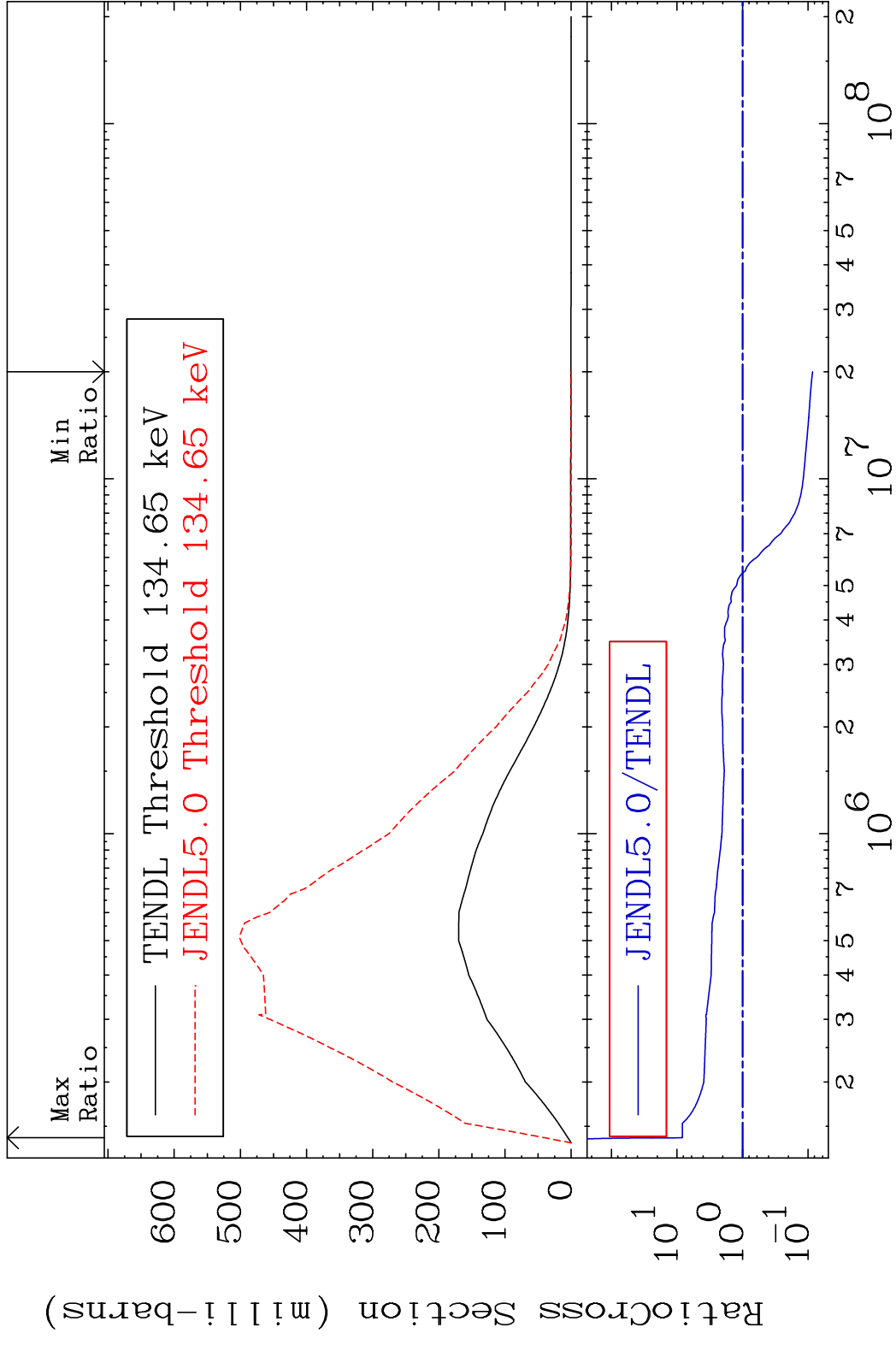


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Incident Energy (eV)

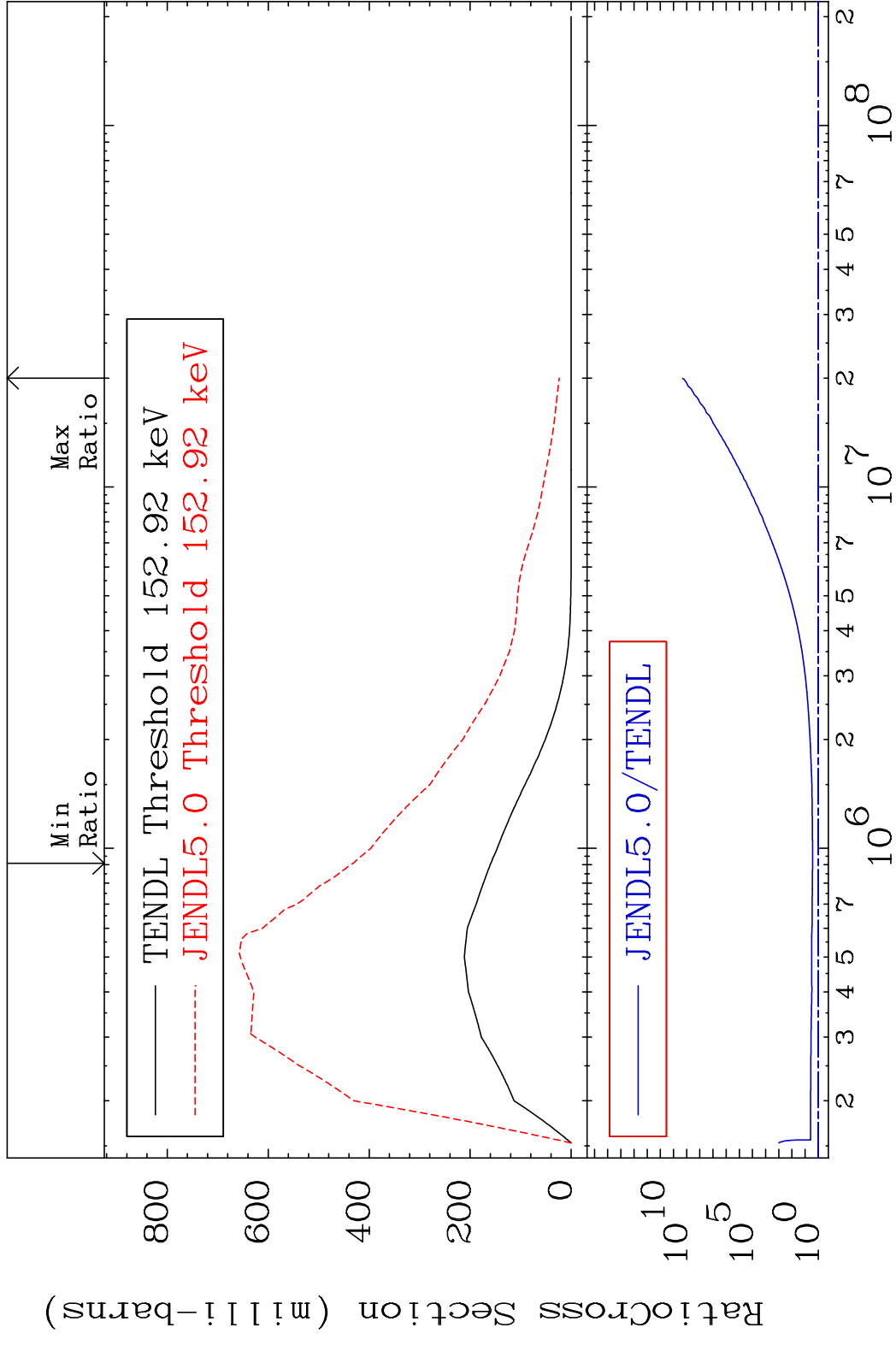
80-Hg-197

MAT 8028 MT= 51 (n, n') Level 80-Hg-197
 Cross Section -91.45 To 727.6 %

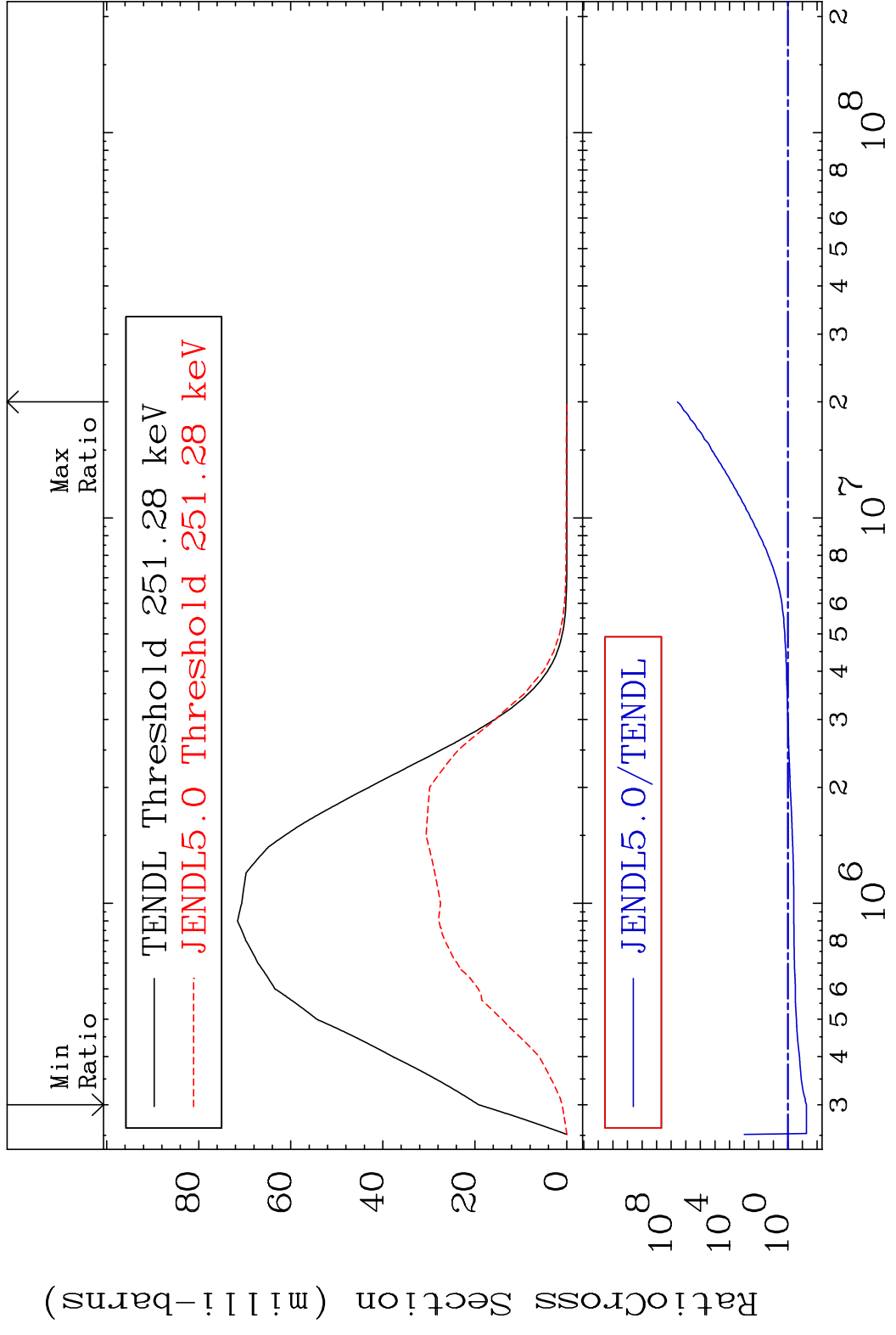


10 Incident Energy (eV) 80-Hg-197

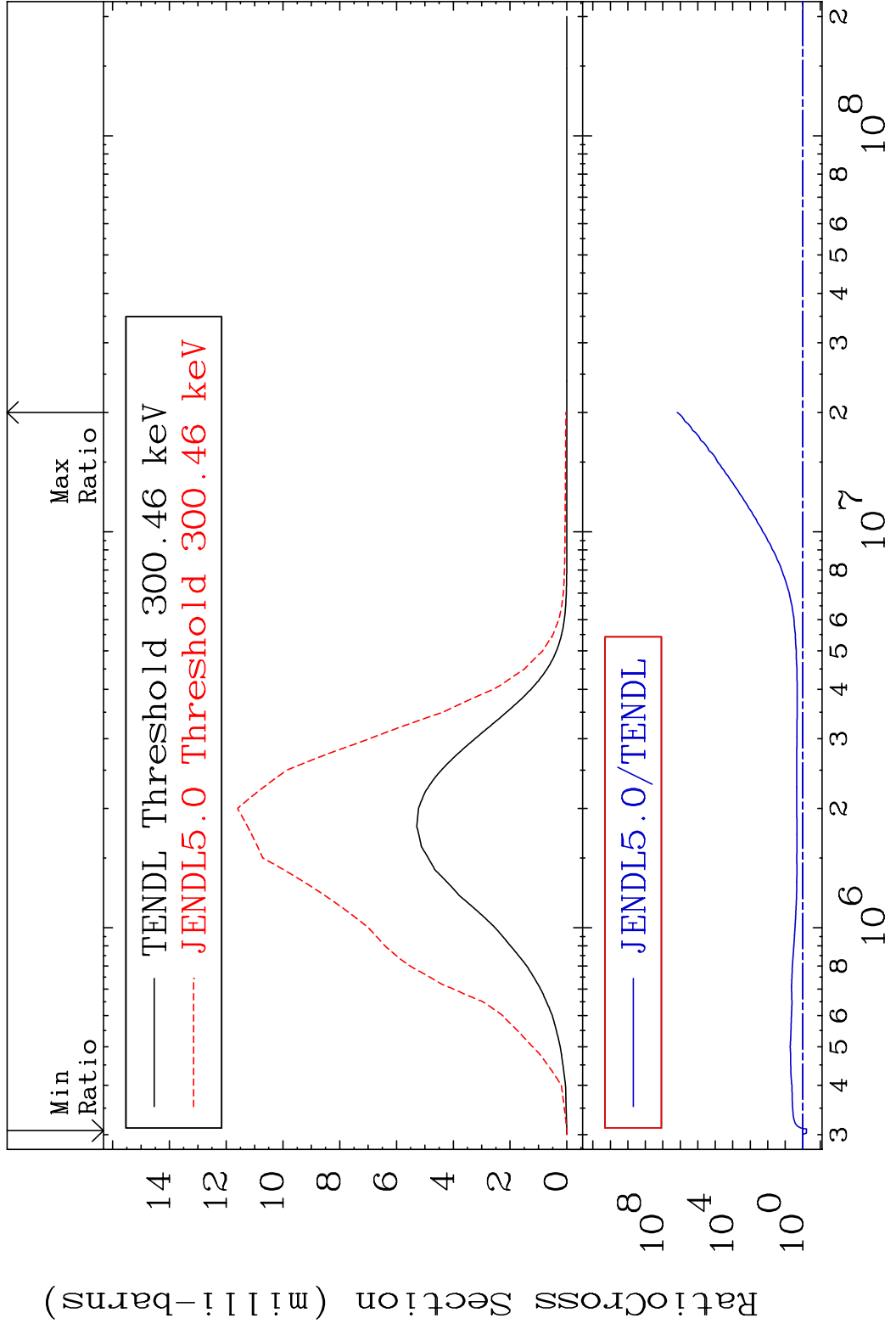
MAT 8028 MT= 52 (n, n') Level 80-Hg-197
 Cross Section 171.3 To 9999. %



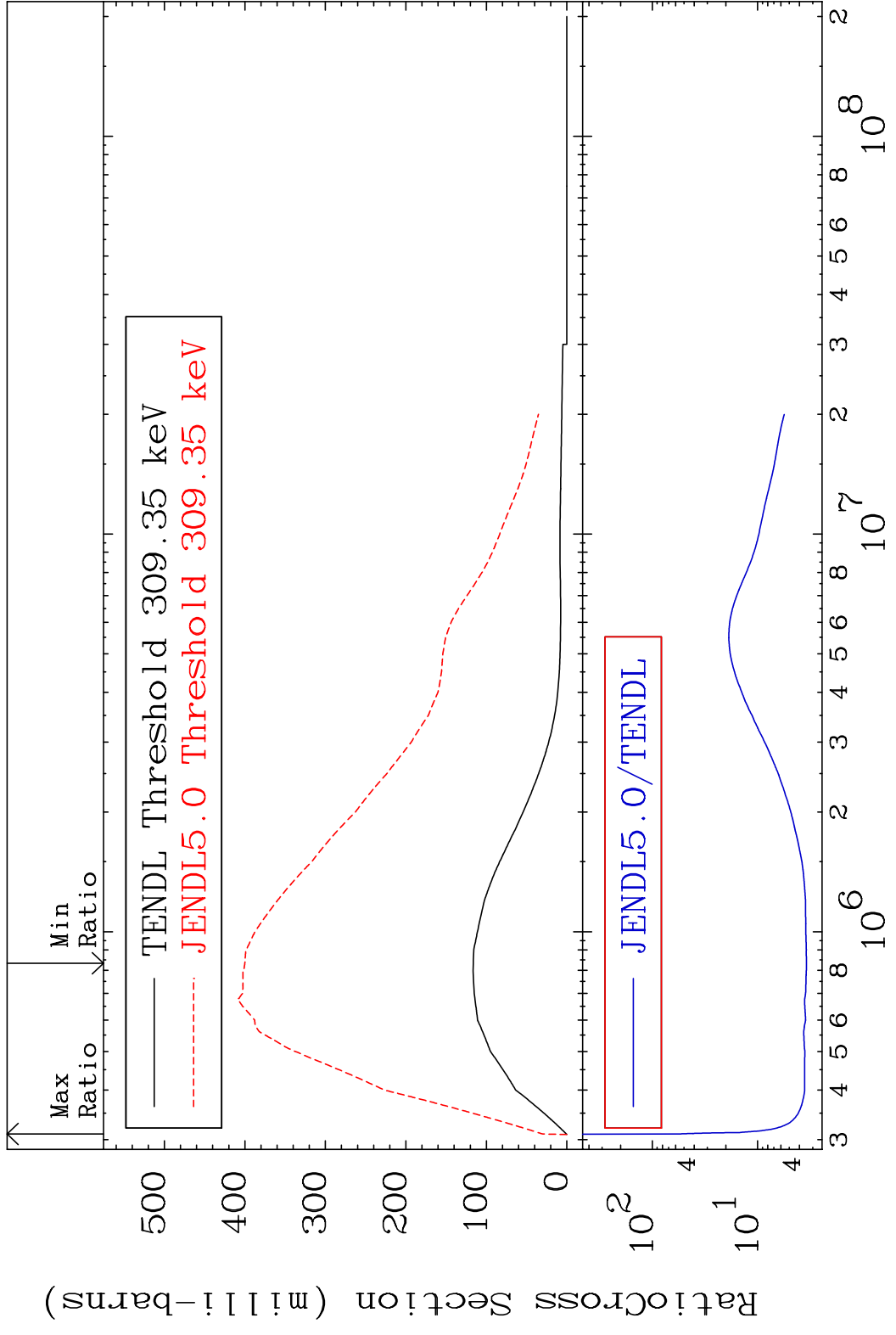
MAT 8028 MT= 53 (n, n') Level 80-Hg-197
 Cross Section -94.62 To 9999. %



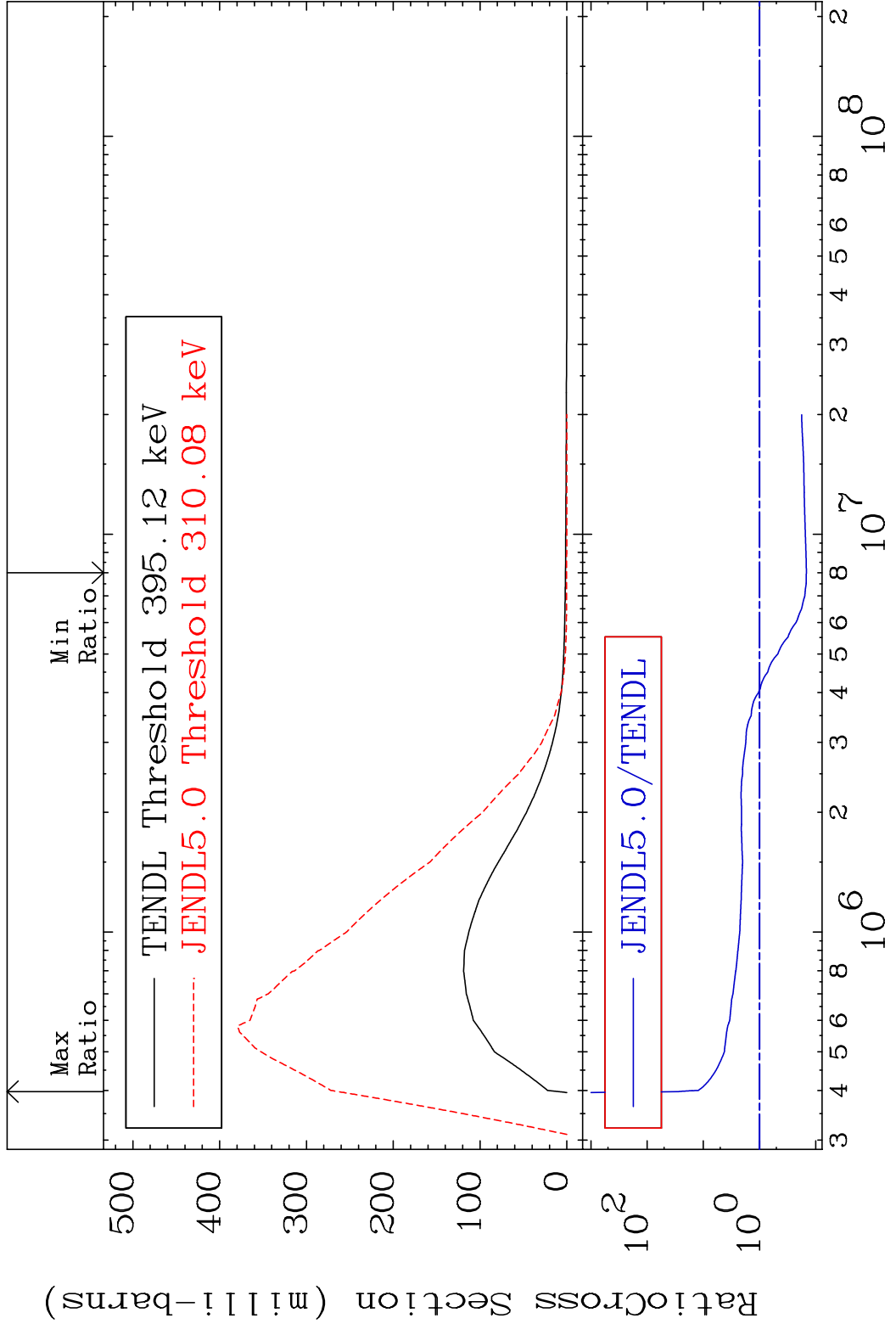
MAT 8028 MT= 54 (n, n') Level 80-Hg-197
 Cross Section -38.41 To 9999. %



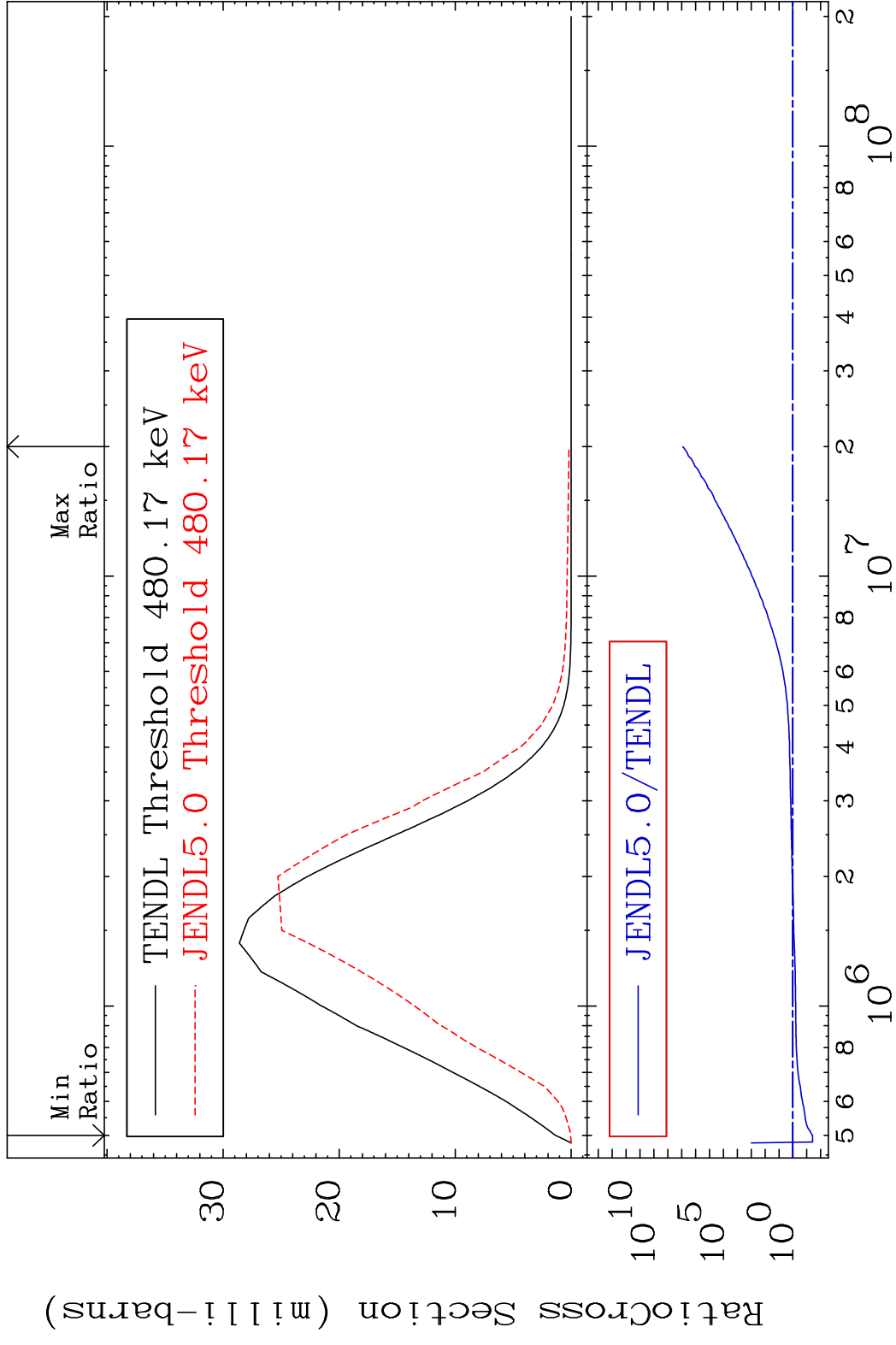
MAT 8028 MT= 55 (n,n') Level 80-Hg-197
 Cross Section 244.1 To 5710. %



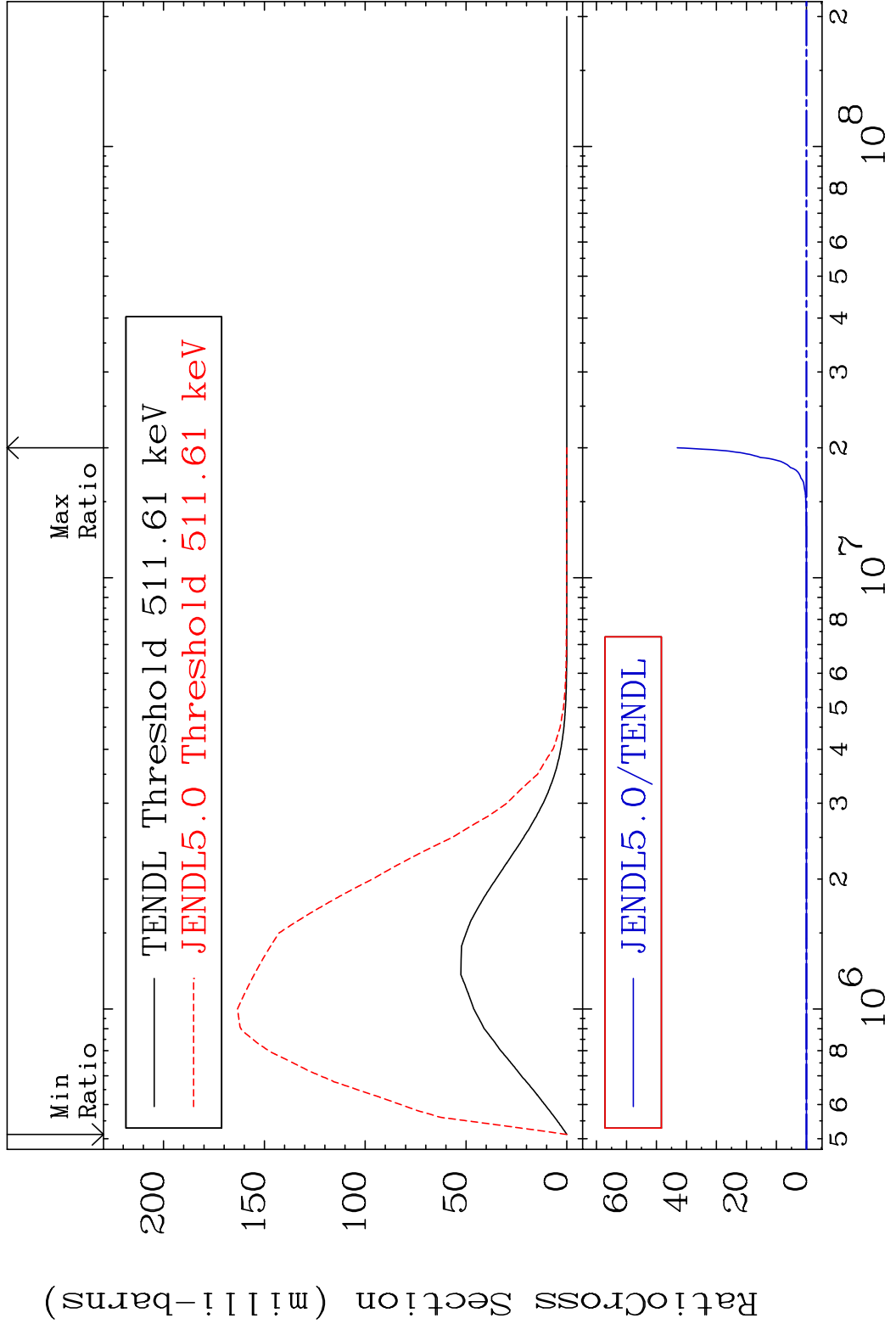
MAT 8028 MT= 56 (n, n') Level 80-Hg-197
 Cross Section -85.35 To 2819. %



MAT 8028 MT= 57 (n, n') Level 80-Hg-197
 Cross Section -96.17 To 9999. %

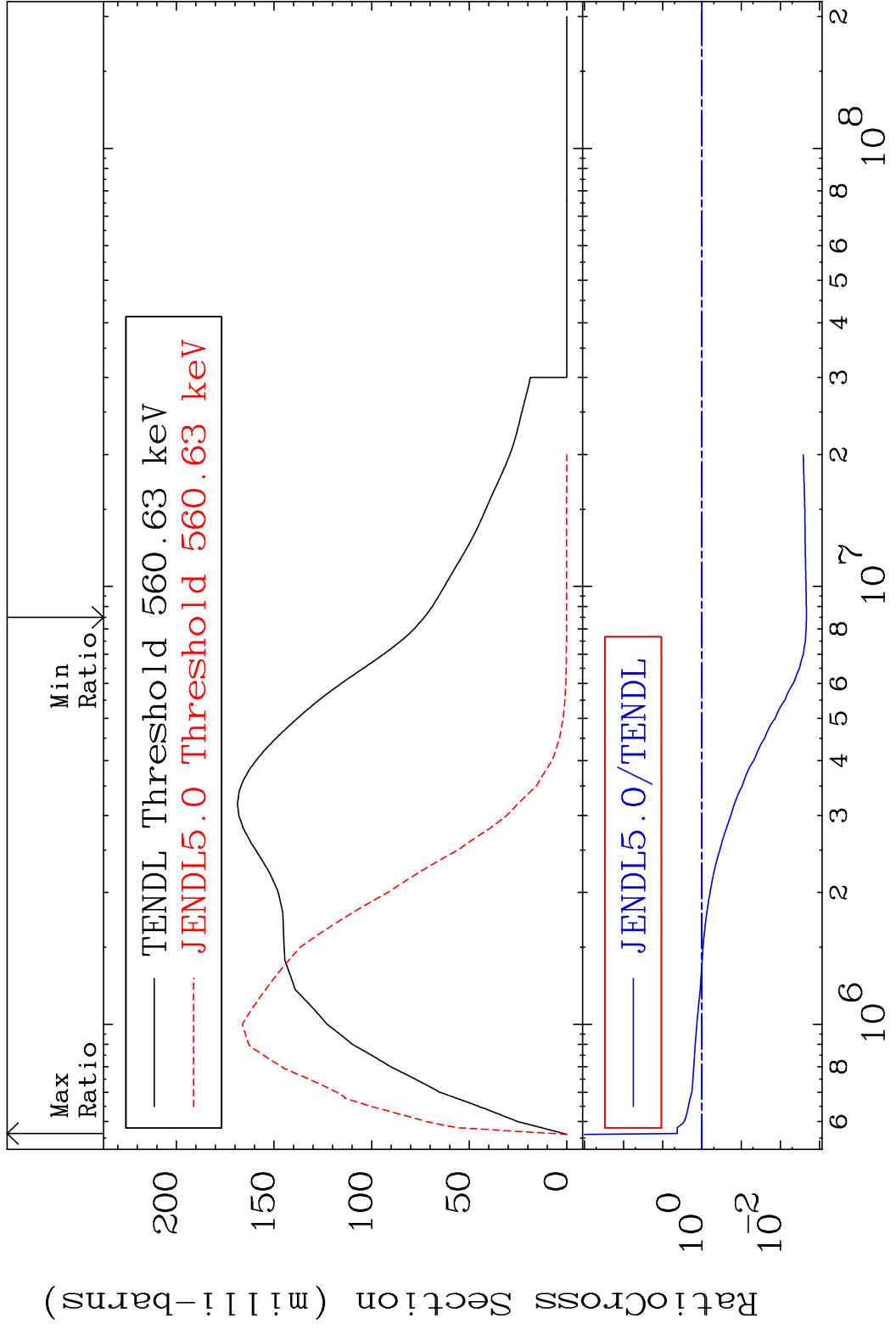


MAT 8028 MT= 58 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 9999. %



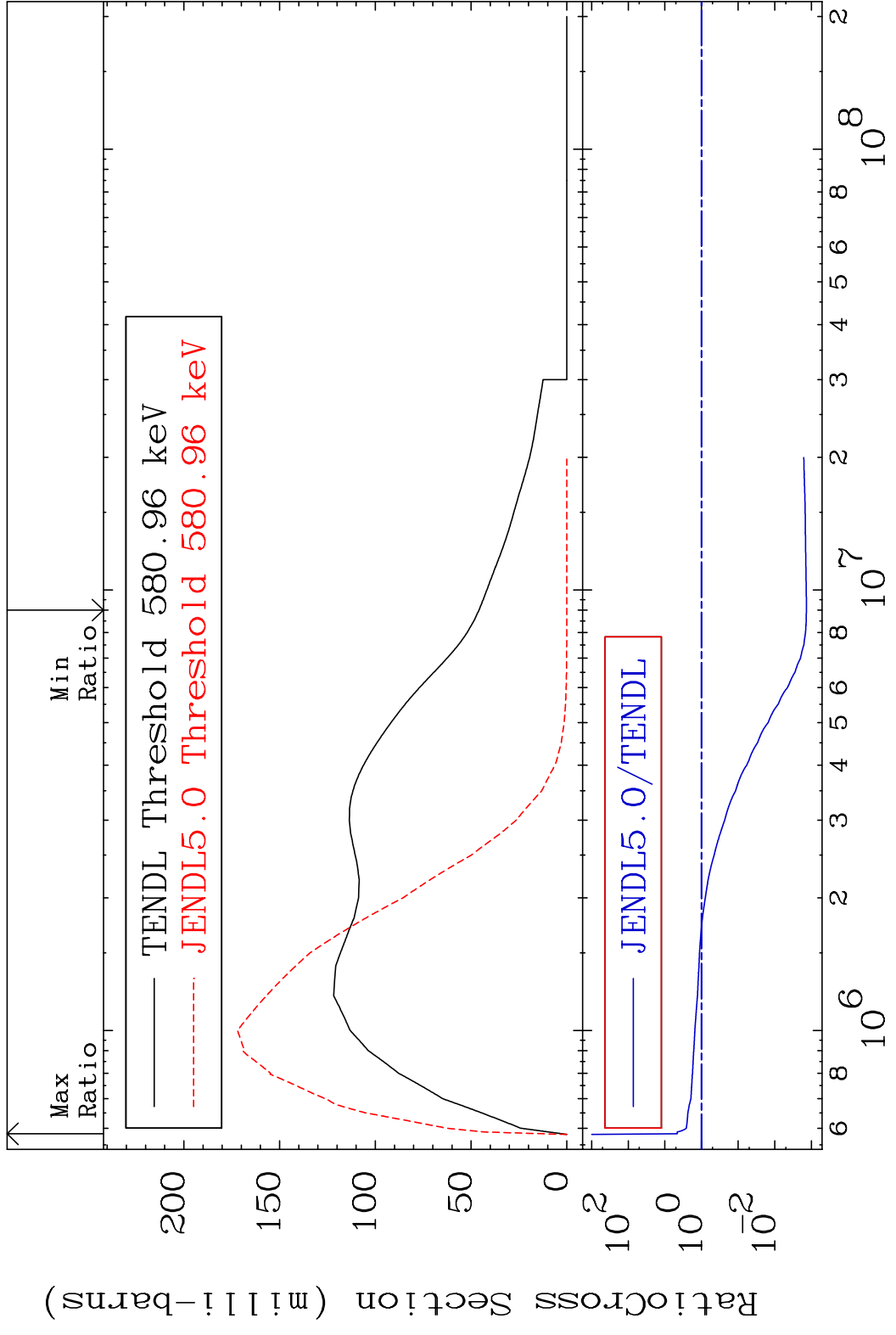
17 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 59 (n, n') Level 80-Hg-197
 Cross Section -99.78 To 329.3 %

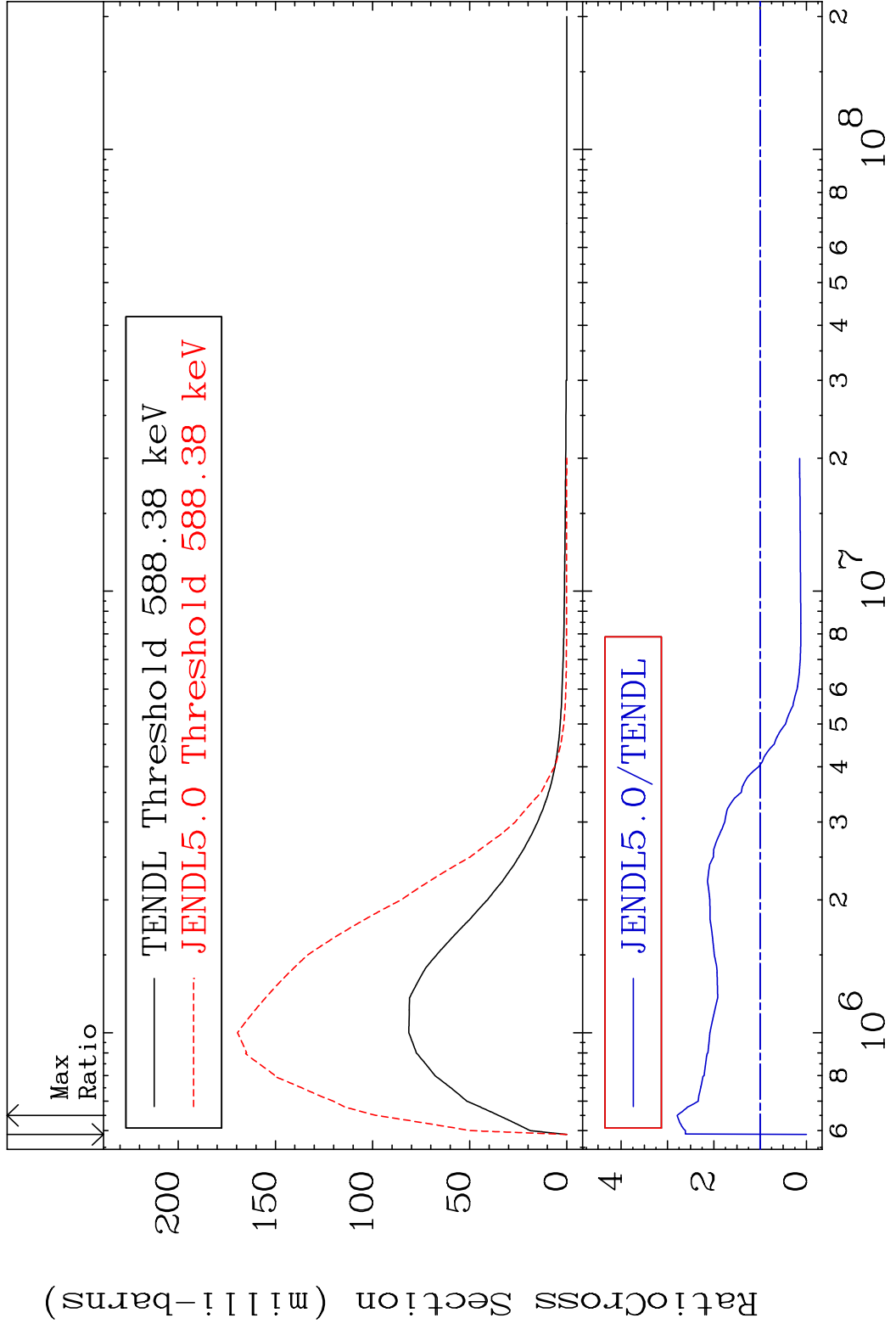


18 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 60 (n, n') Level 80-Hg-197
 Cross Section -99.86 To 361.0 %

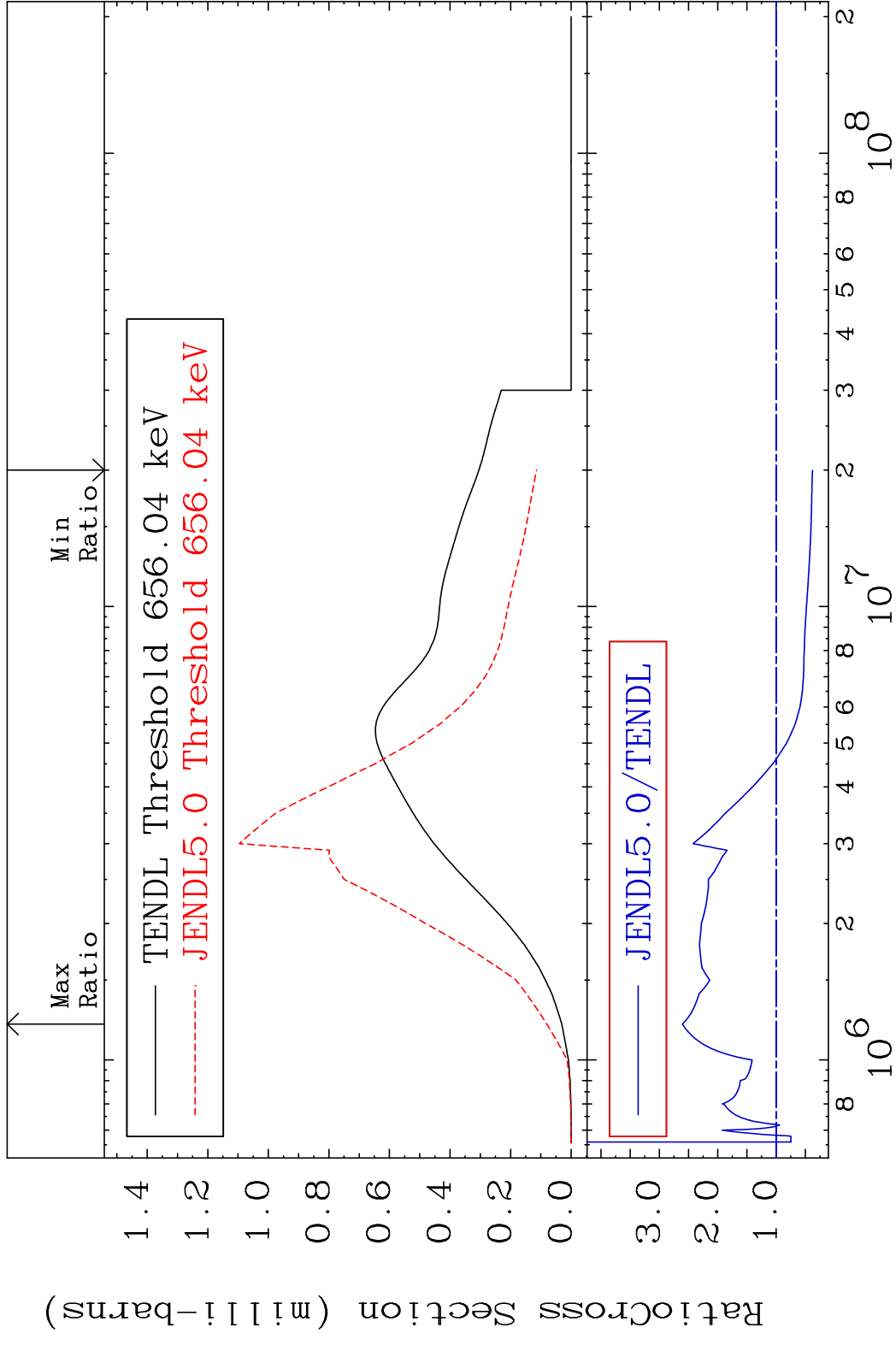


MAT 8028 MT= 61 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 179.1 %

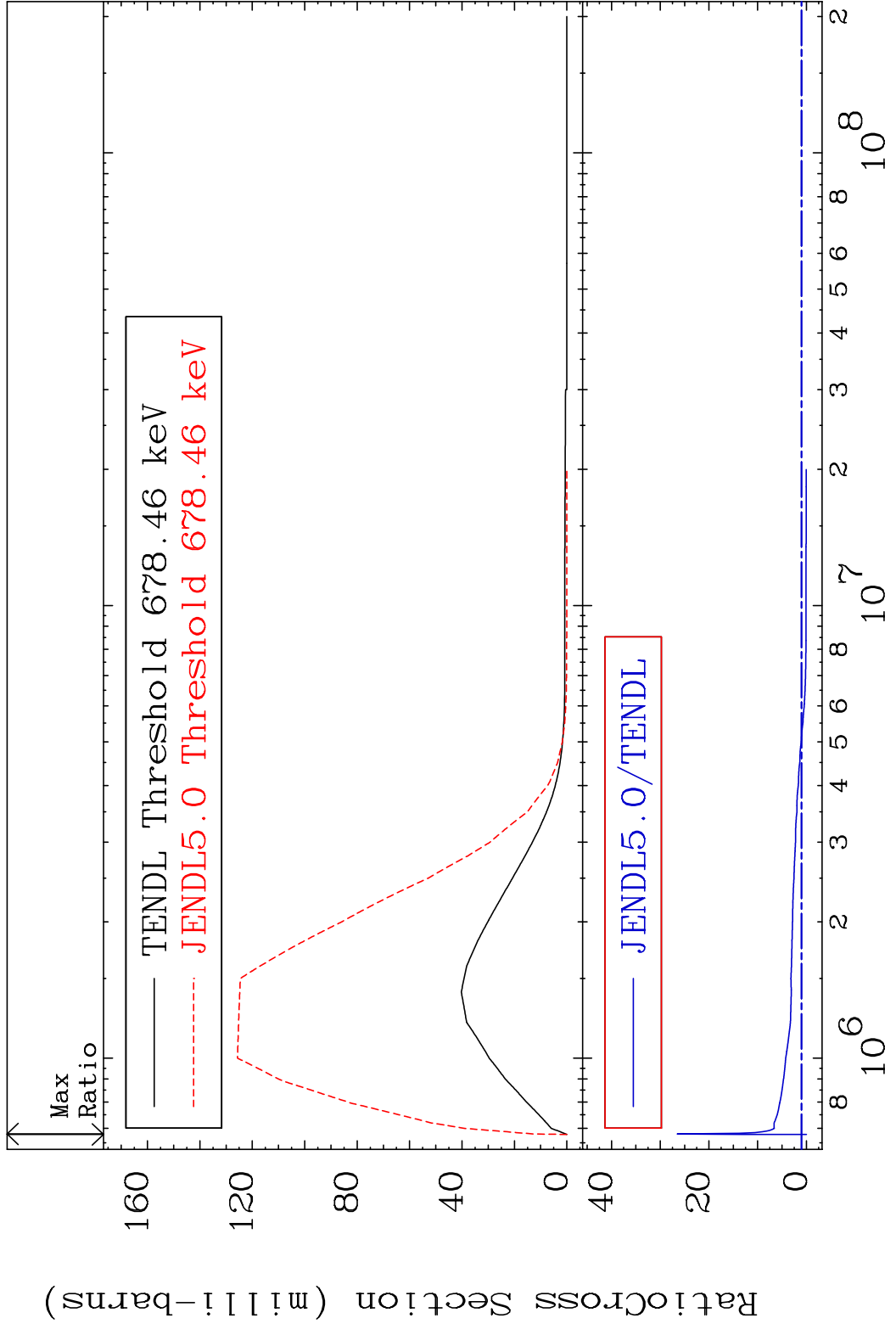


20 Incident Energy (eV) 80-Hg-197

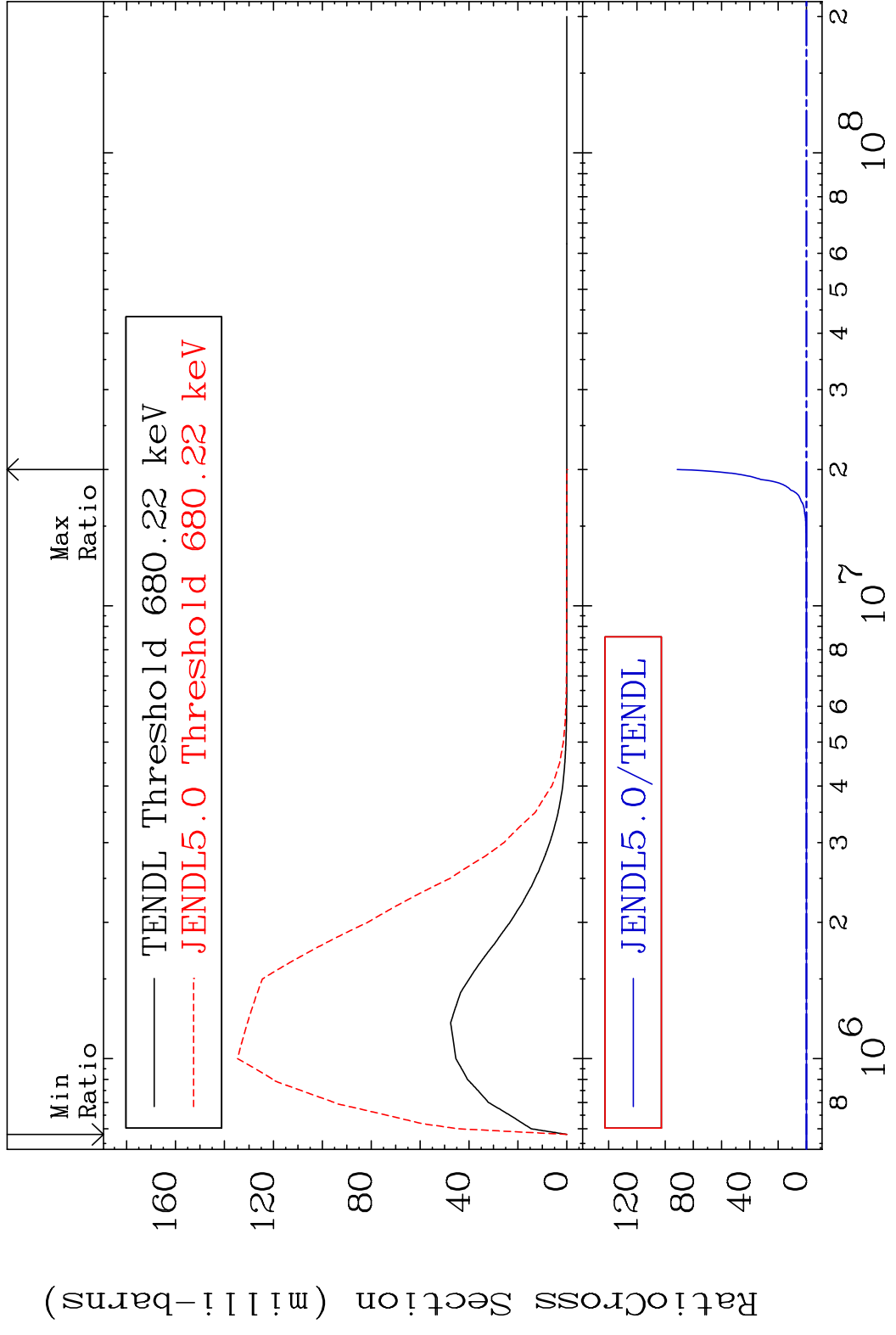
MAT 8028 MT= 62 (n, n') Level 80-Hg-197
 Cross Section -62.47 To 160.5 %



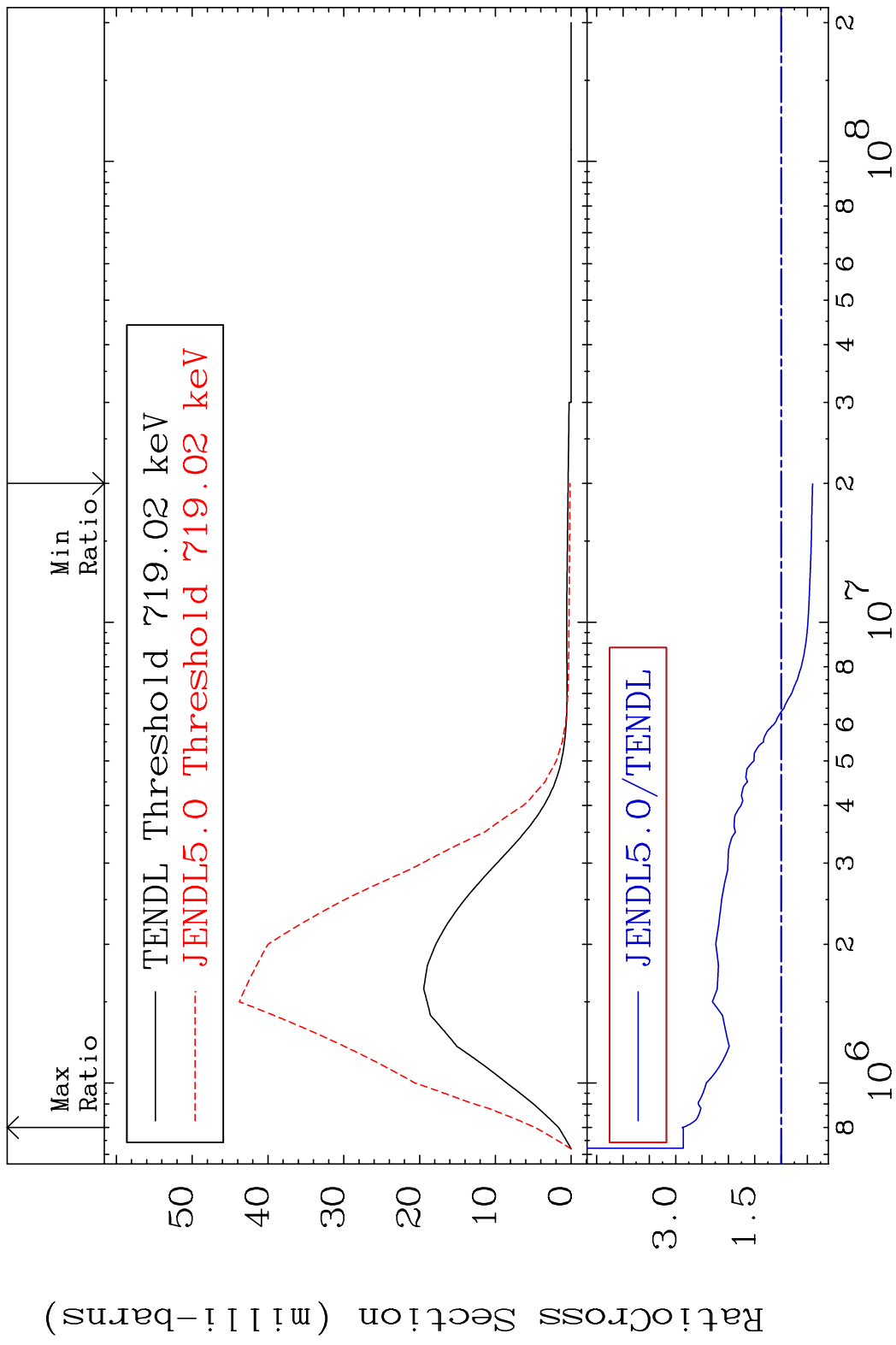
MAT 8028 MT= 63 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 2552. %



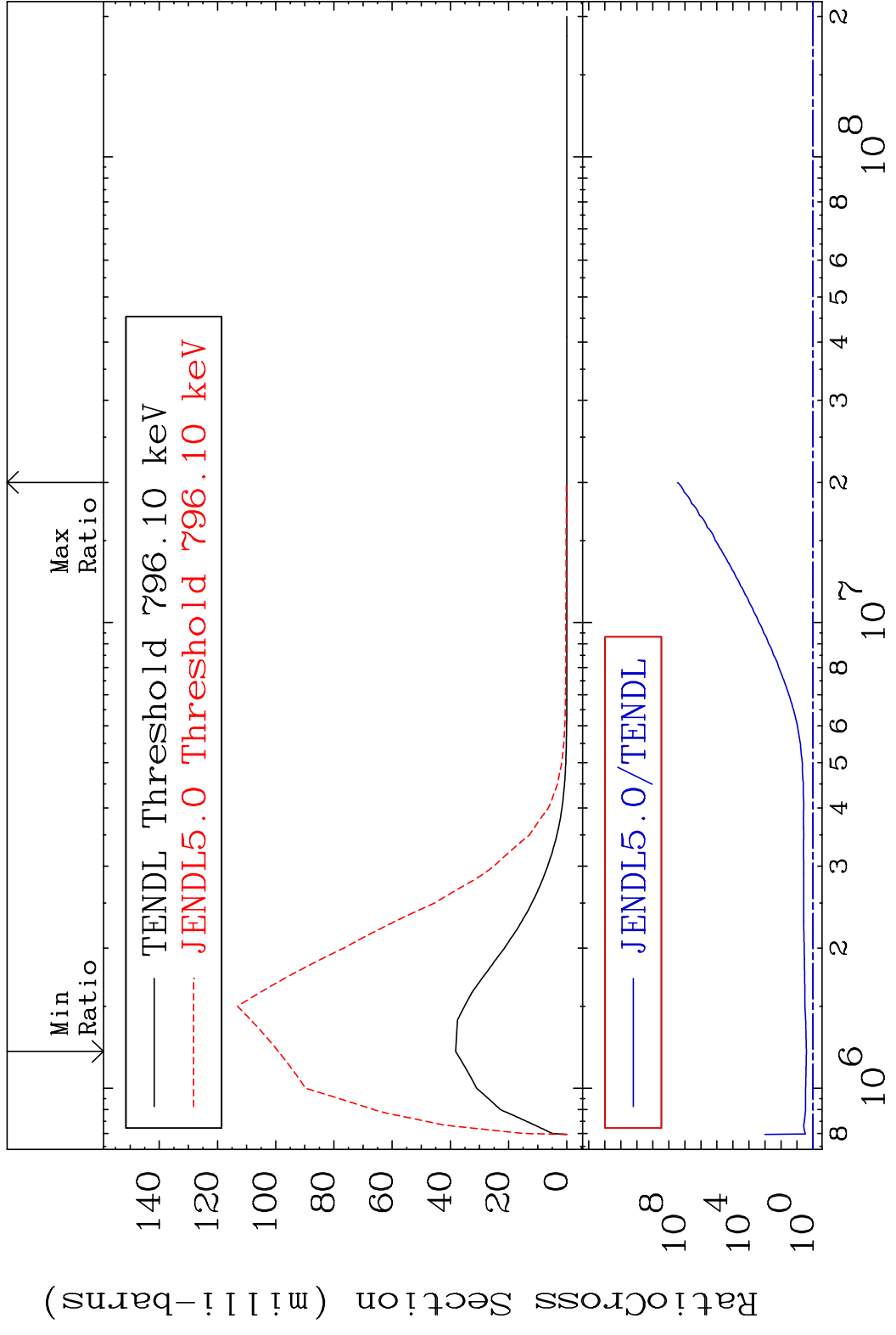
MAT 8028 MT= 64 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 9999. %



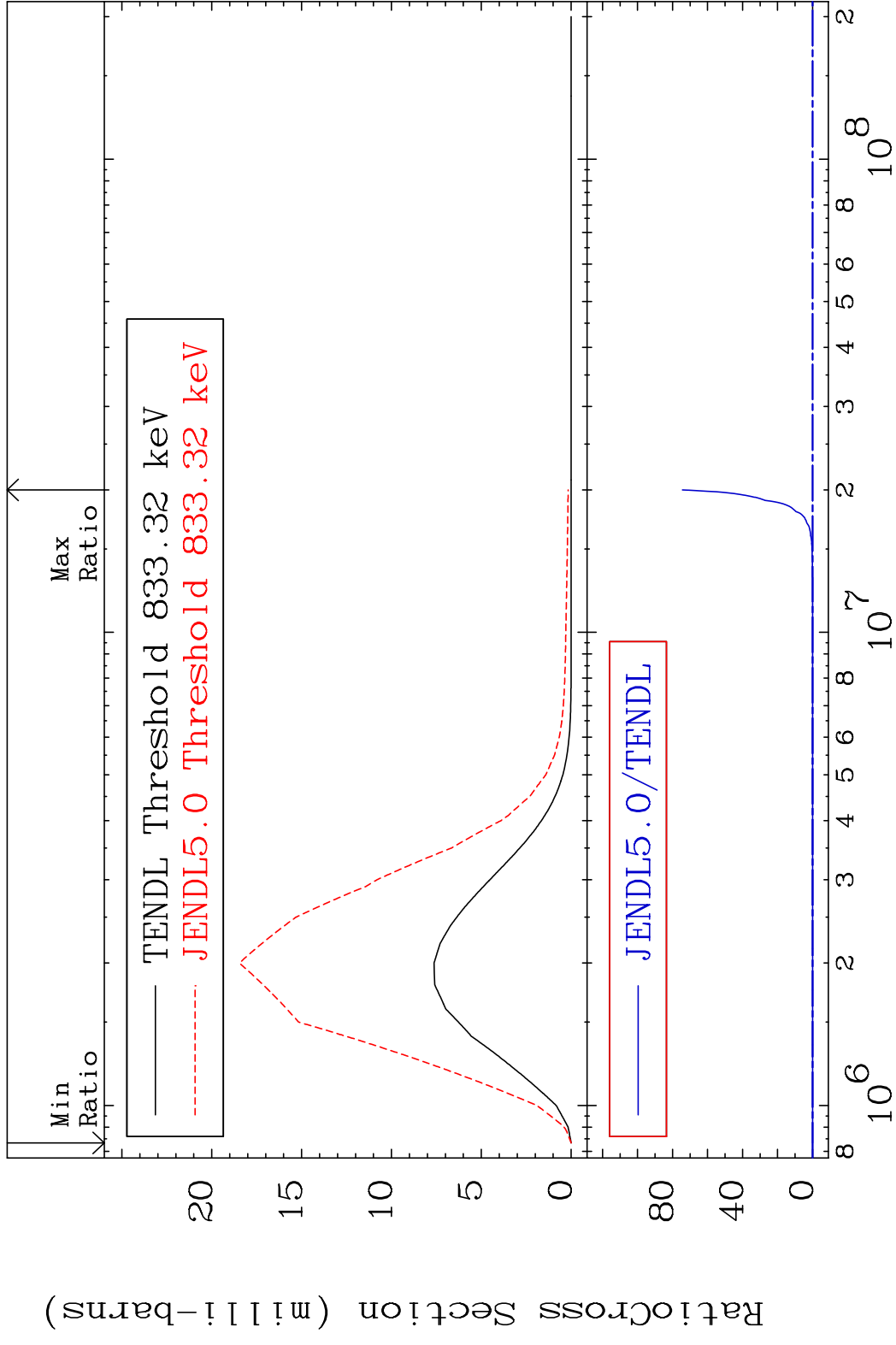
MAT 8028 MT= 65 (n, n') Level 80-Hg-197
 Cross Section -59.74 To 187.4 %



MAT 8028 MT= 66 (n, n') Level 80-Hg-197
 Cross Section 159.3 To 9999. %

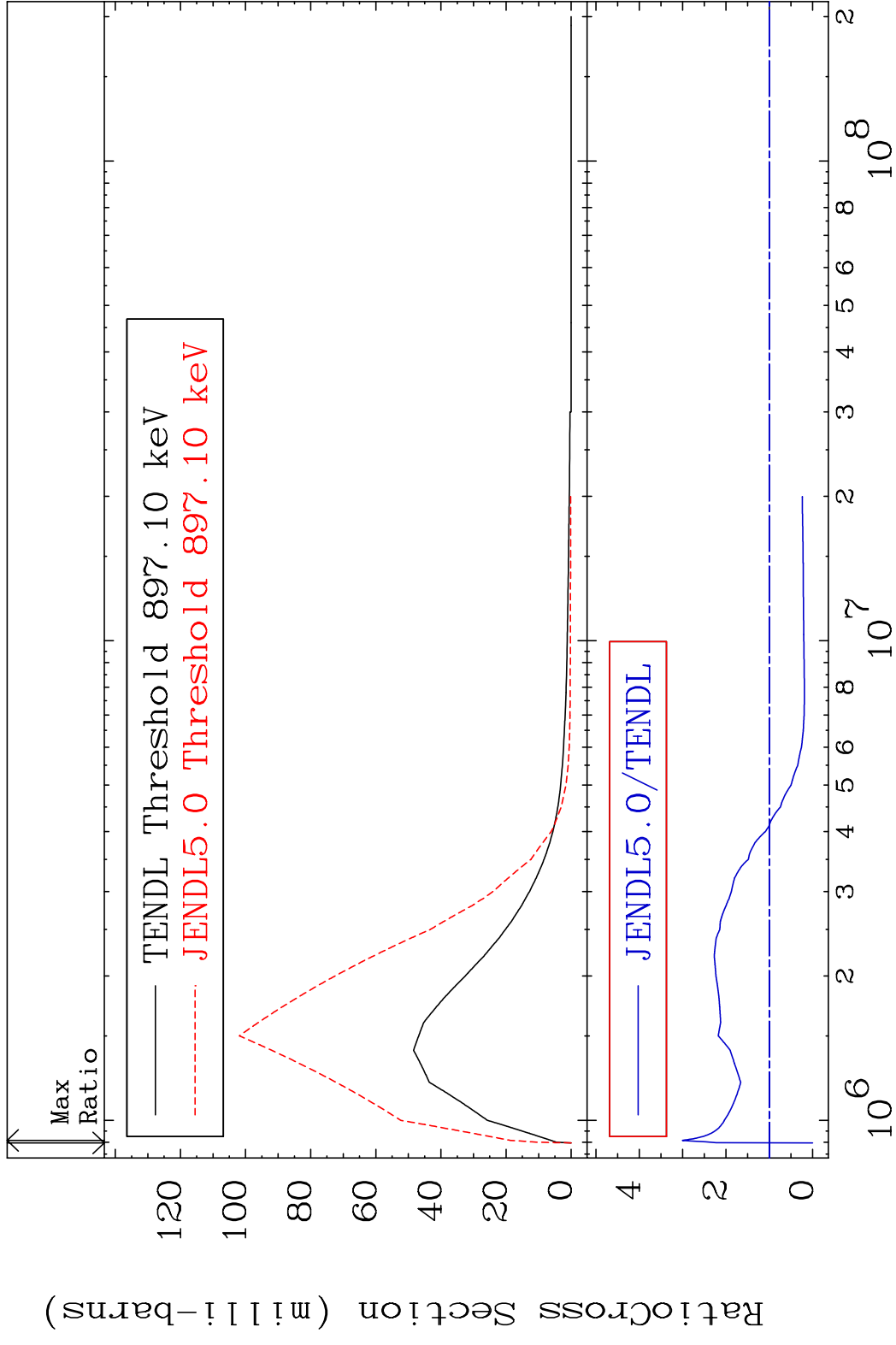


MAT 8028 MT= 67 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 9999. %

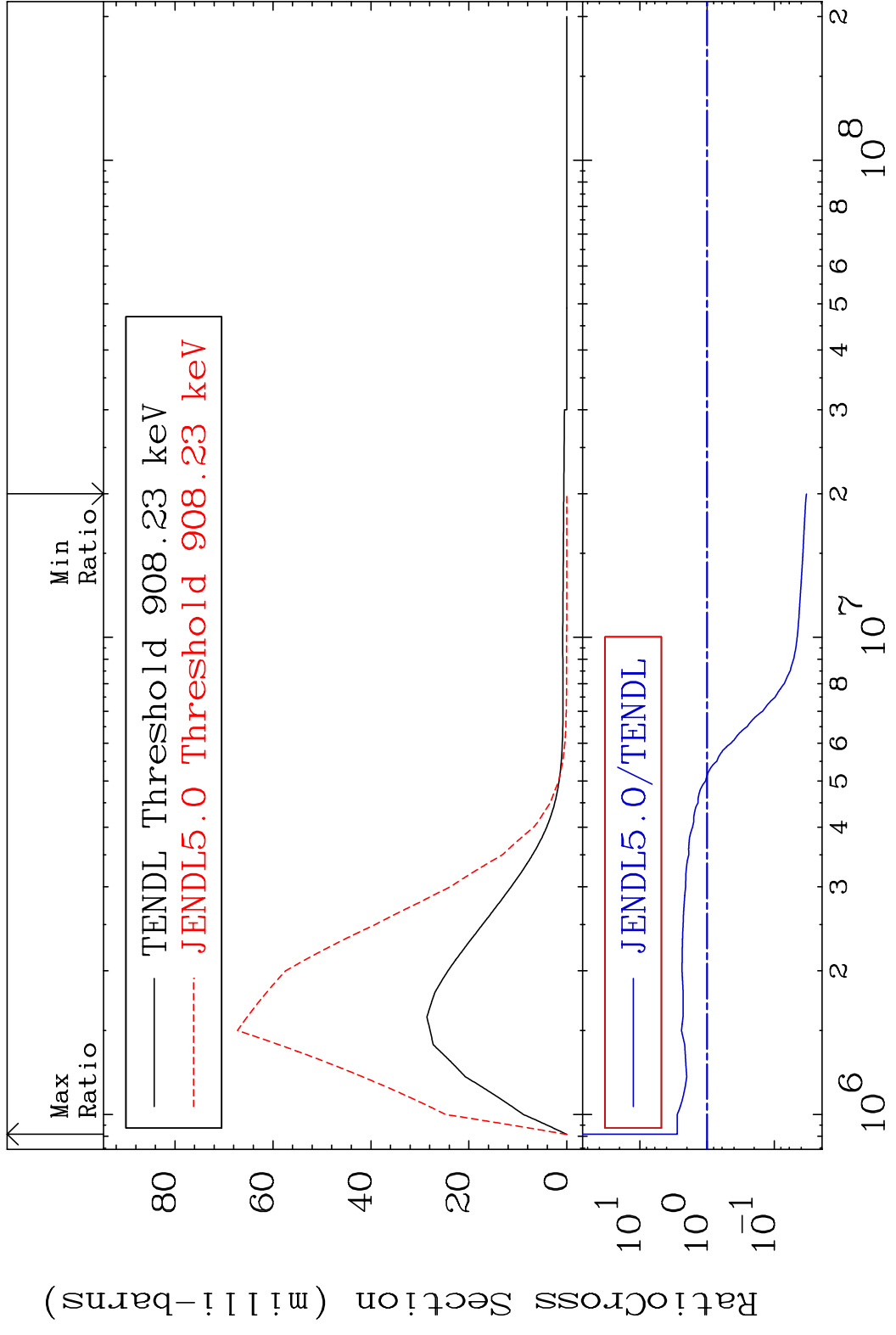


26 Incident Energy (eV) 80-Hg-197

MAT 8028 MT= 68 (n, n') Level 80-Hg-197
 Cross Section -100.0 To 200.5 %



MAT 8028 MT= 69 (n, n') Level 80-Hg-197
 Cross Section -96.65 To 178.8 %



28 Incident Energy (eV) 80-Hg-197

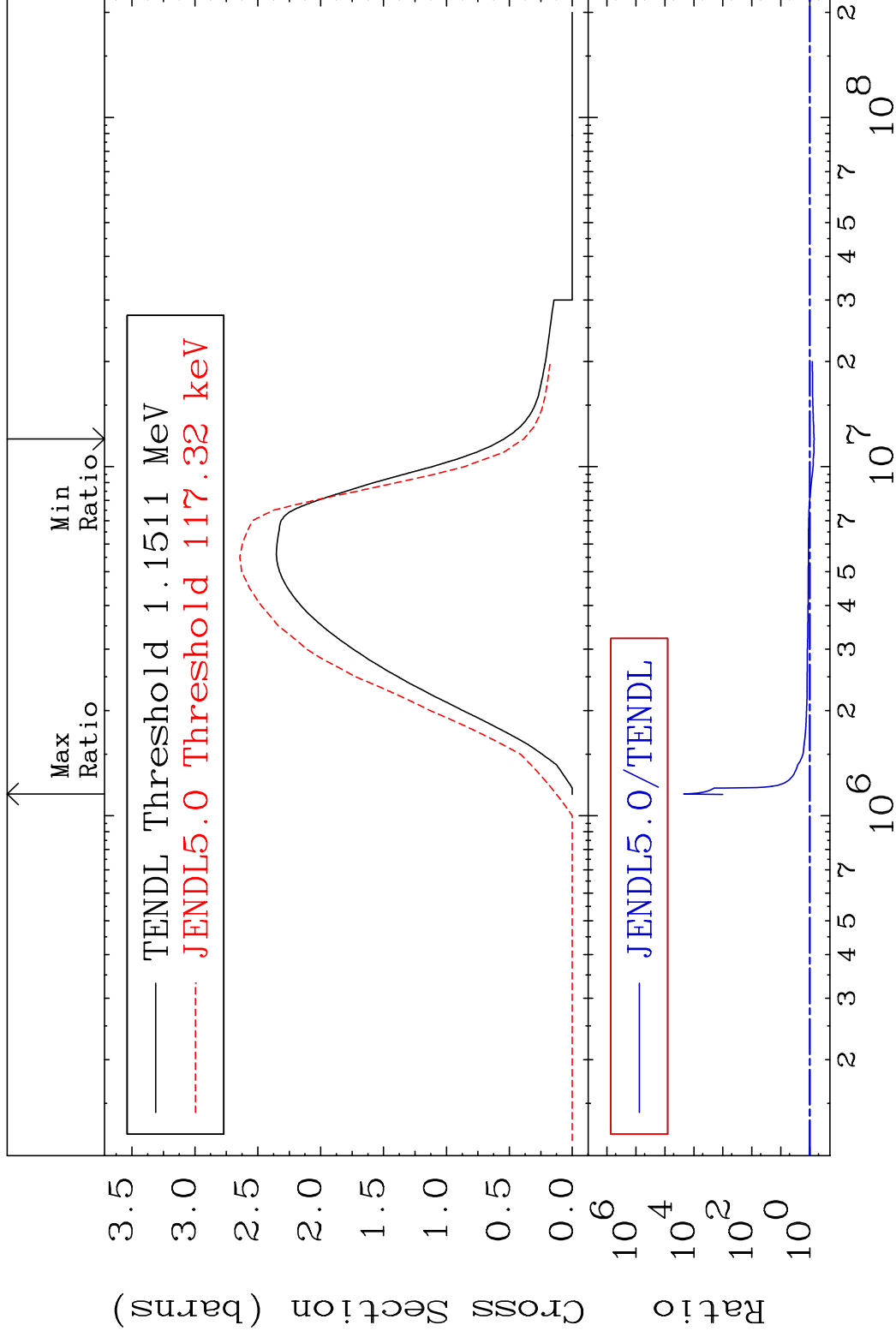
MAT 8028

(n,n') Continuum

80-Hg-197

Cross Section

-28.89 To 9999. %



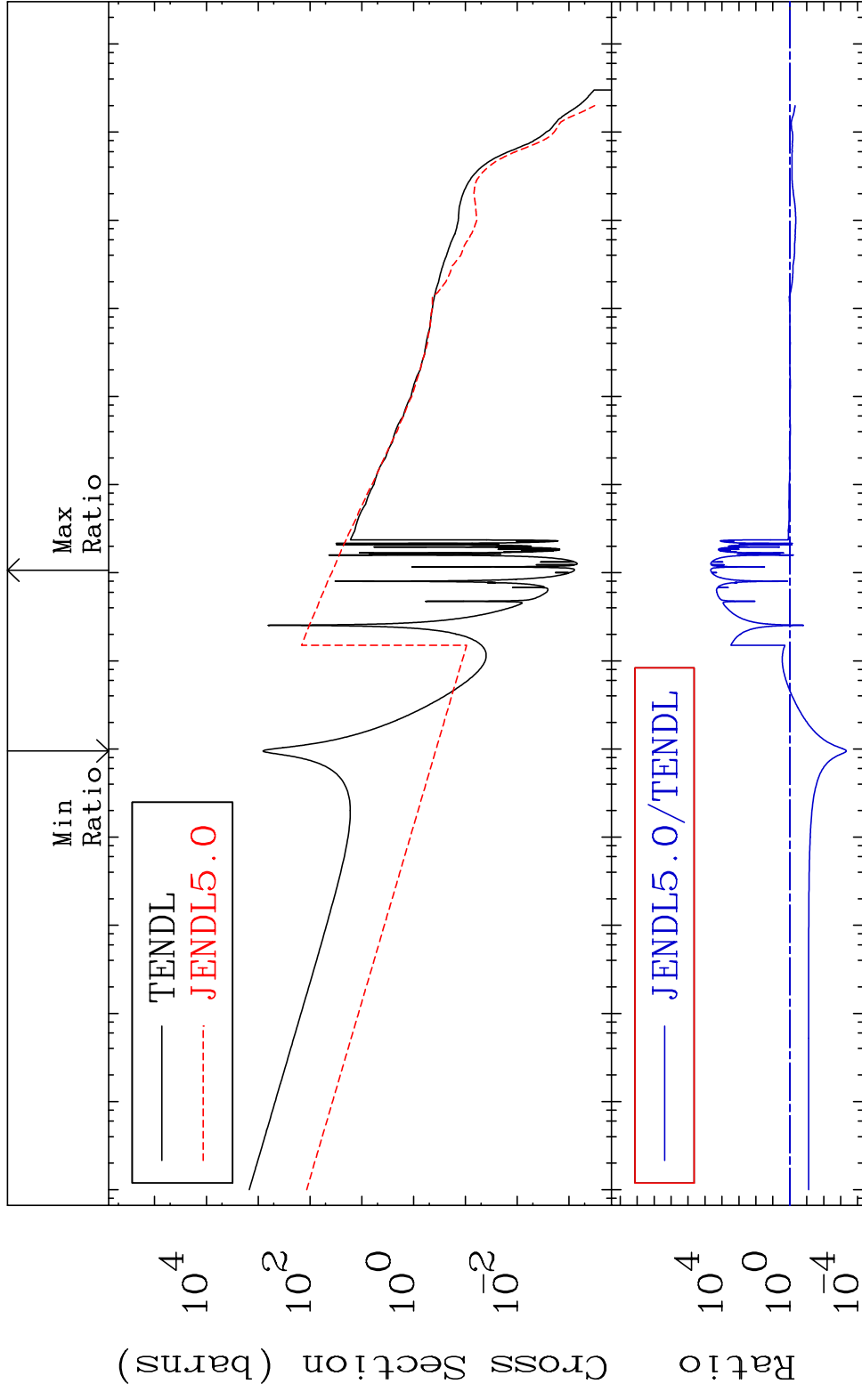
29

Incident Energy (eV)

80-Hg-197

MAT 8028

(n, γ)
Cross Section -99.95 To 9999. %
80-Hg-197



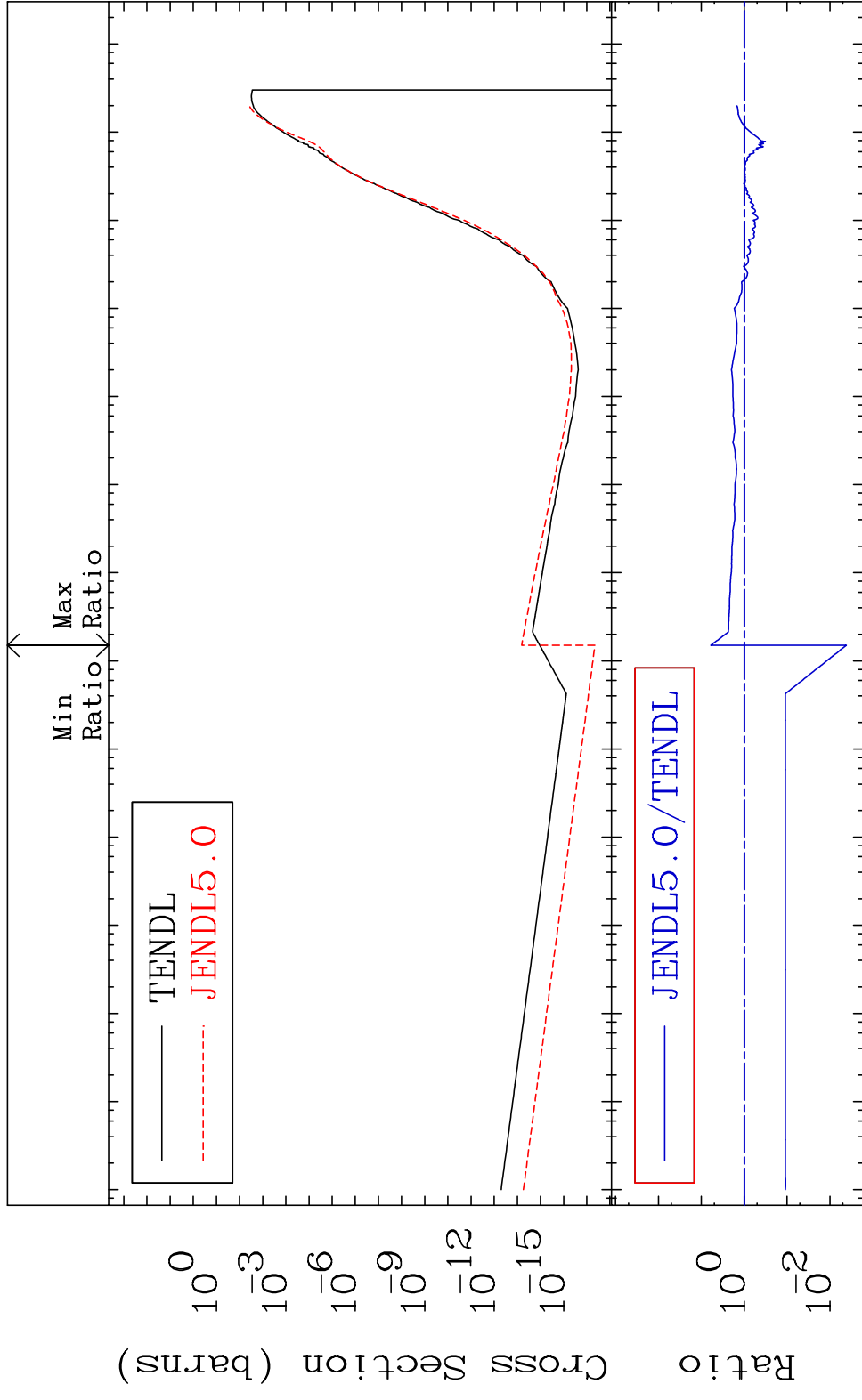
30

Incident Energy (eV)

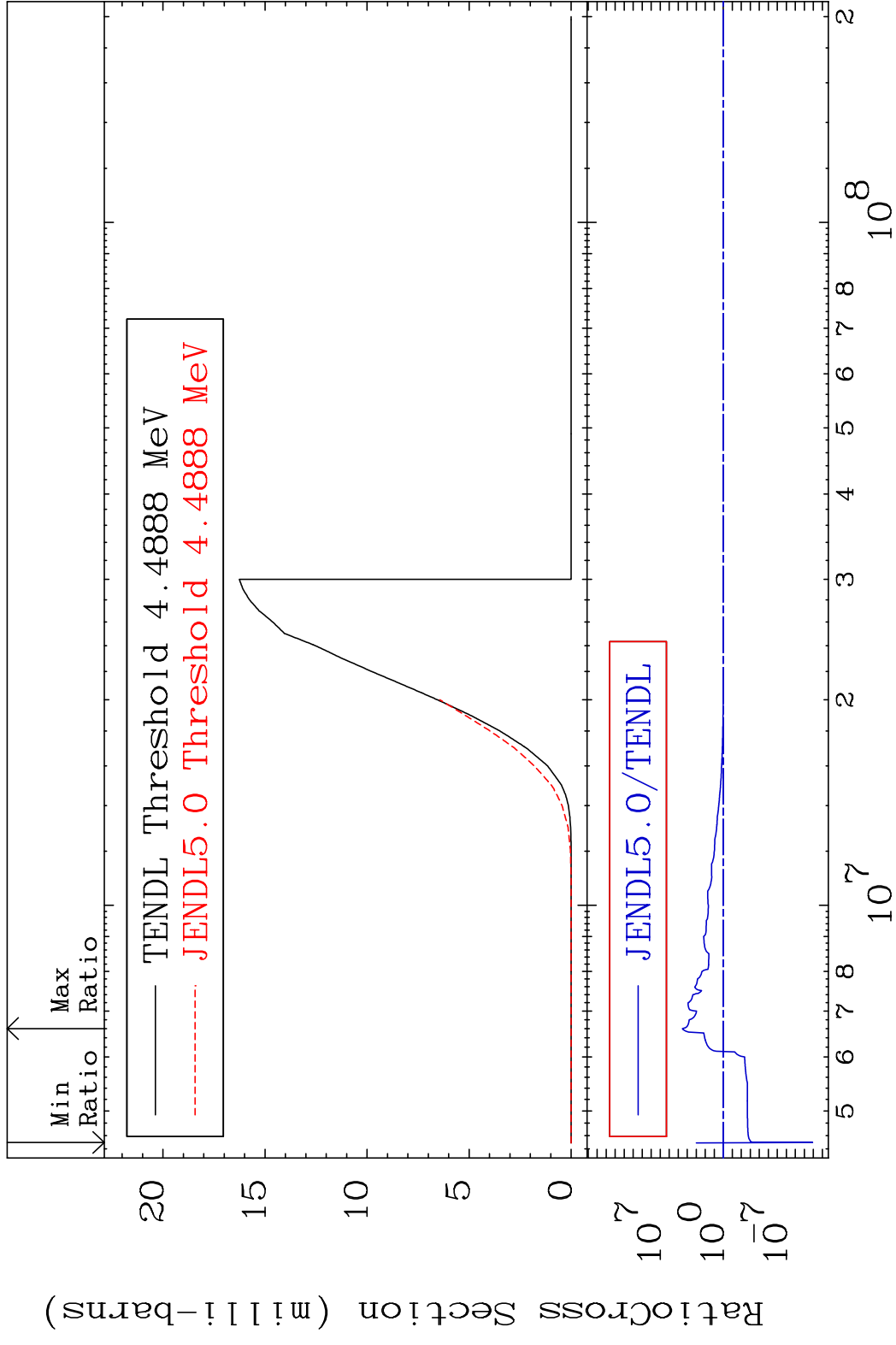
80-Hg-197

MAT 8028

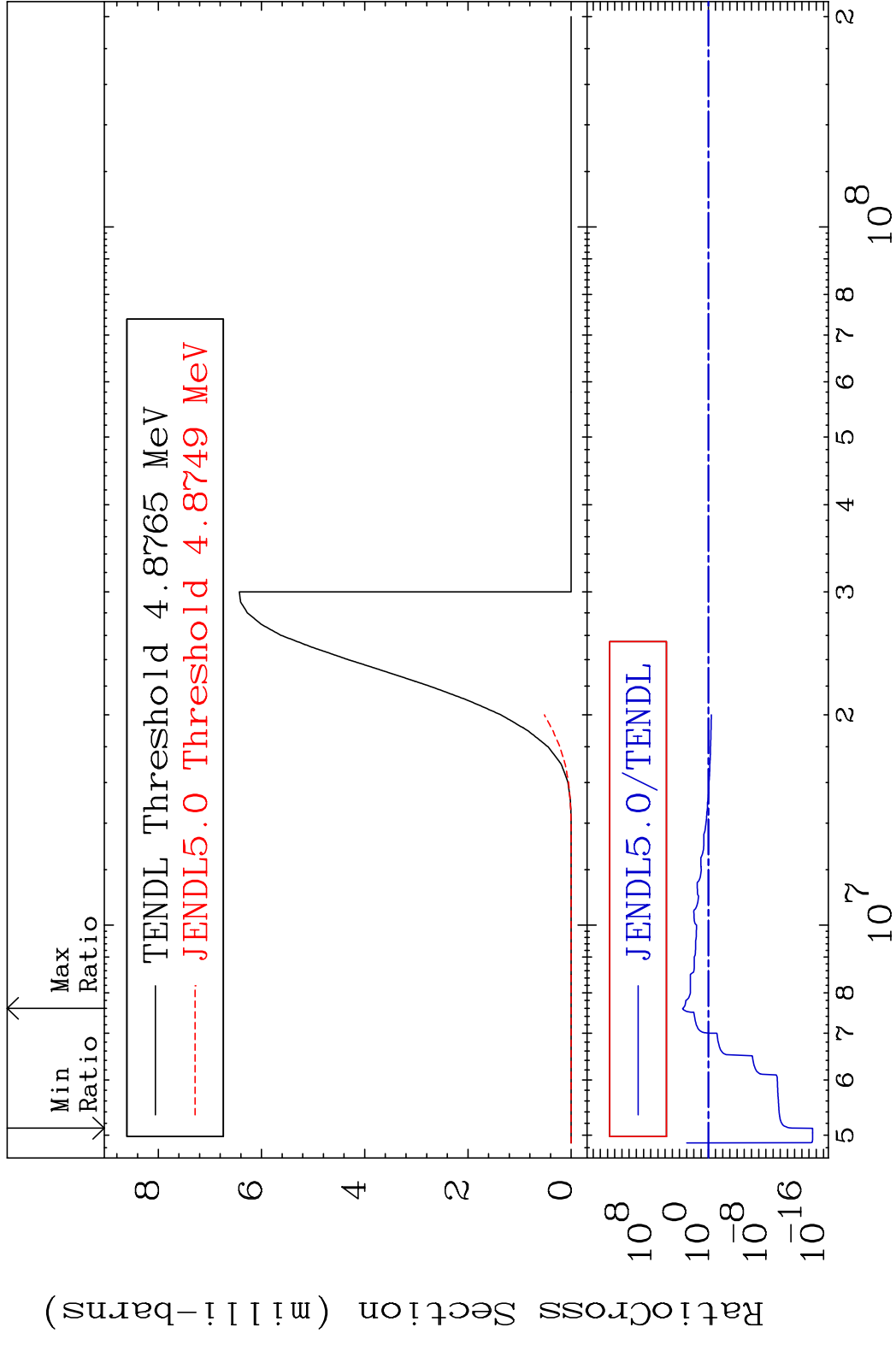
(n, p) Cross Section -99.59 To 503.0 % 80-Hg-197



MAT 8028 (n,d) 80-Hg-197
 Cross Section -100.0 To 9999. %



MAT 8028 (n, t) 80-Hg-197
 Cross Section -100.0 To 9999. %

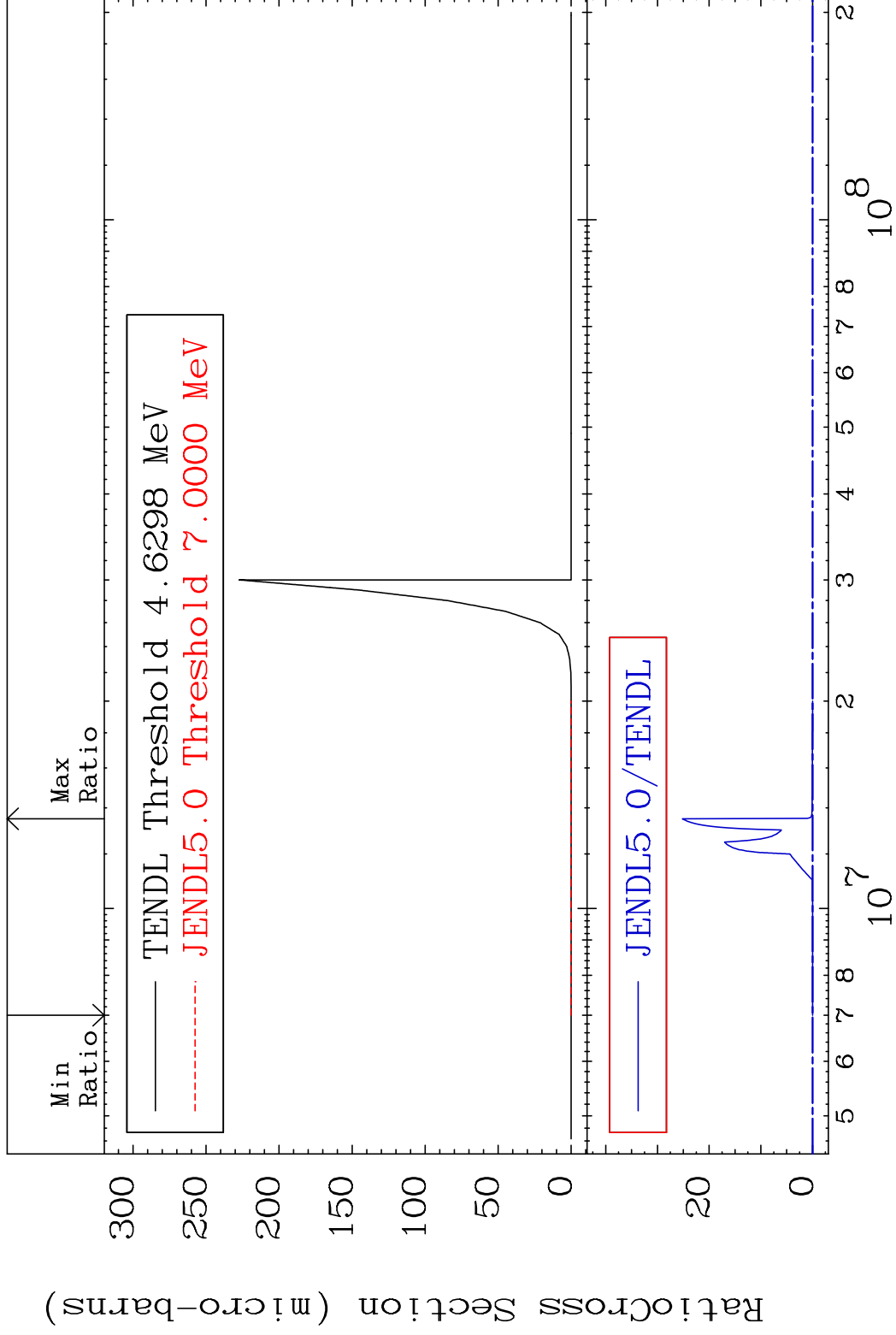


MAT 8028

(n, He-3)

80-Hg-197

Cross Section -100.0 To 9999. %



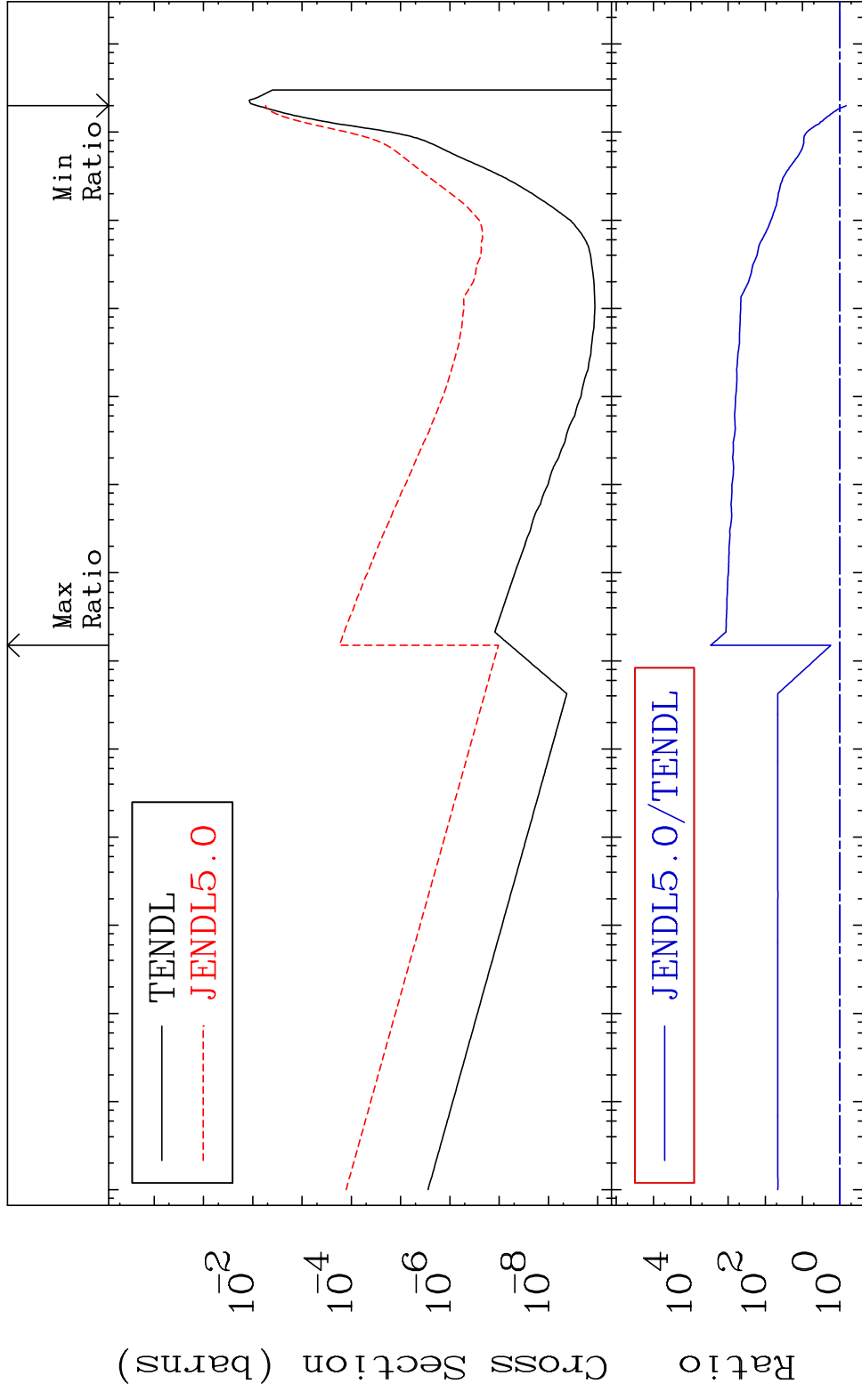
34

Incident Energy (eV)

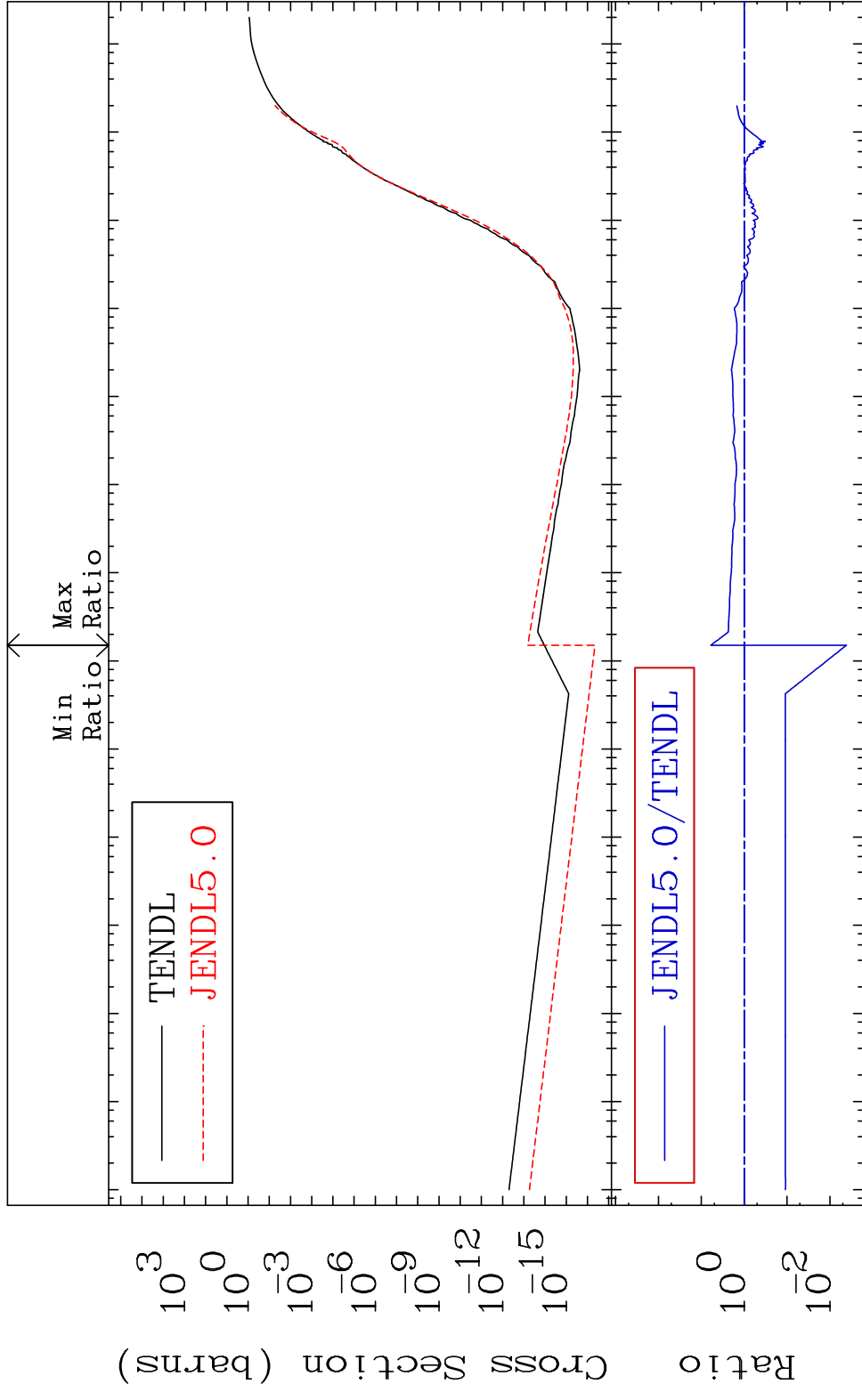
80-Hg-197

MAT 8028

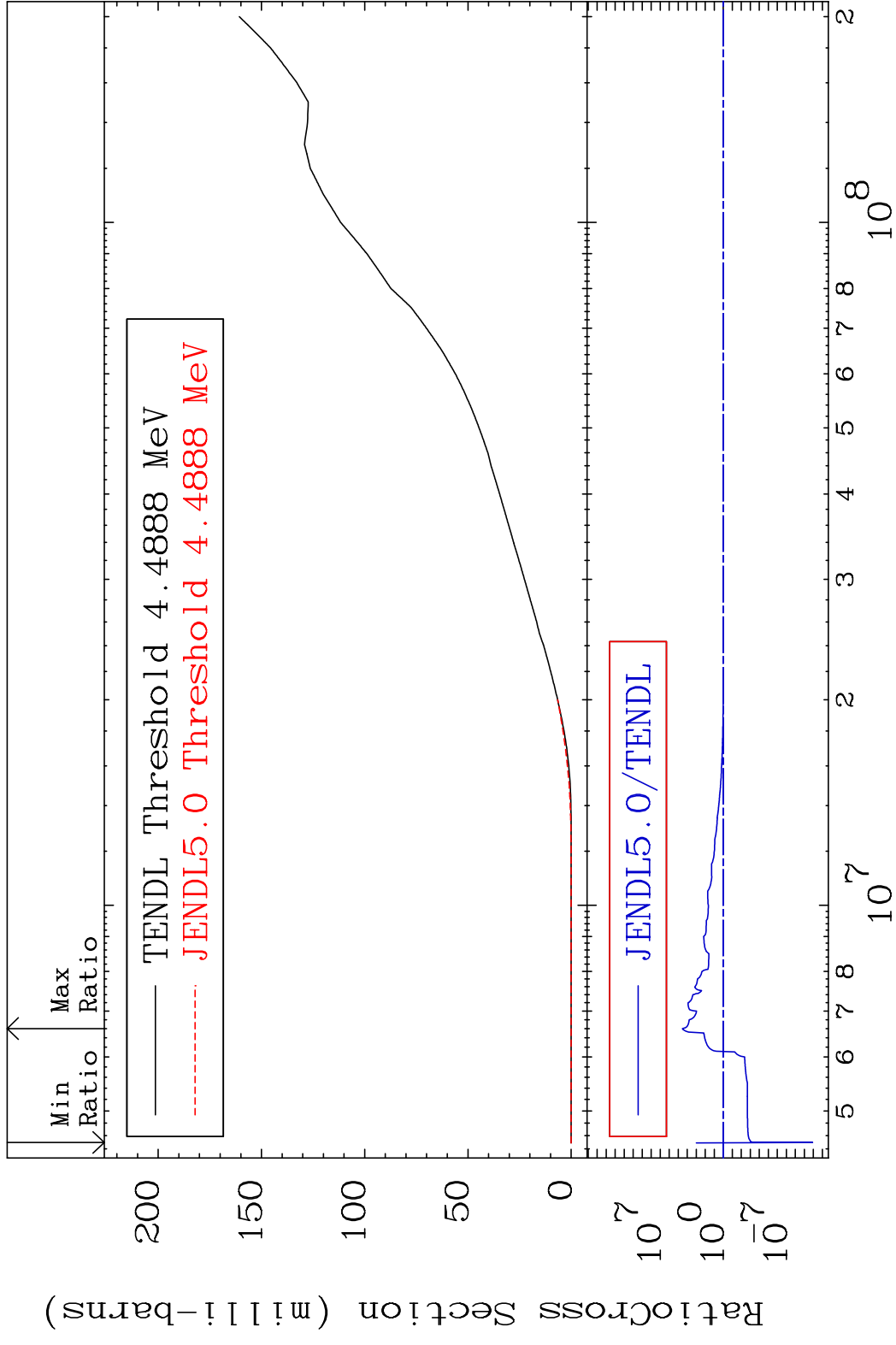
(n, α)
Cross Section -33.08 To 9999. %
80-Hg-197



MAT 8028 Hydrogen Production 80-Hg-197
 Cross Section -99.59 To 503.0 %



MAT 8028 Deuterium Production 80-Hg-197
 Cross Section -100.0 To 9999. %

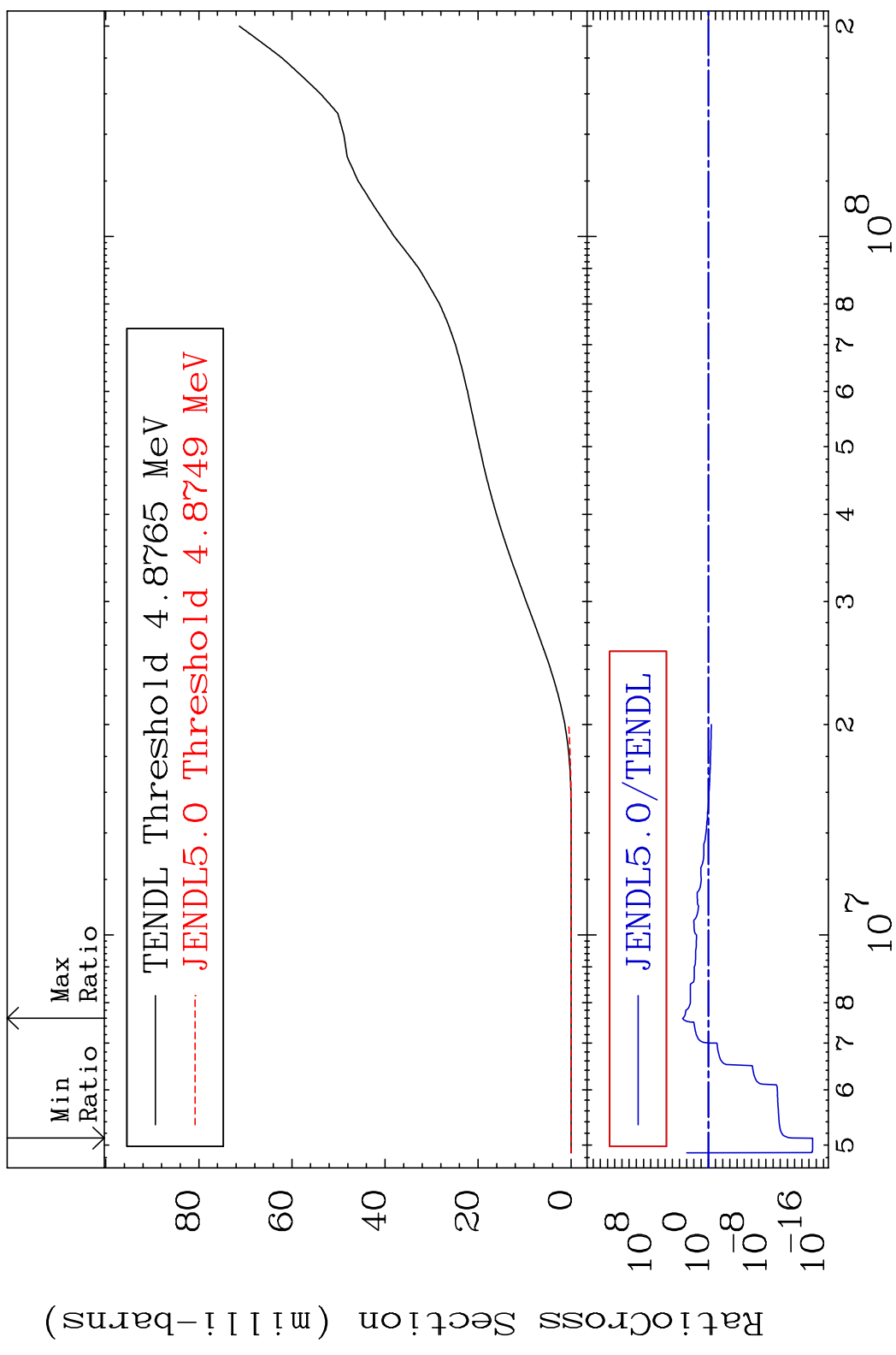


MAT 8028

Tritium Production

80-Hg-197

Cross Section -100.0 To 9999. %

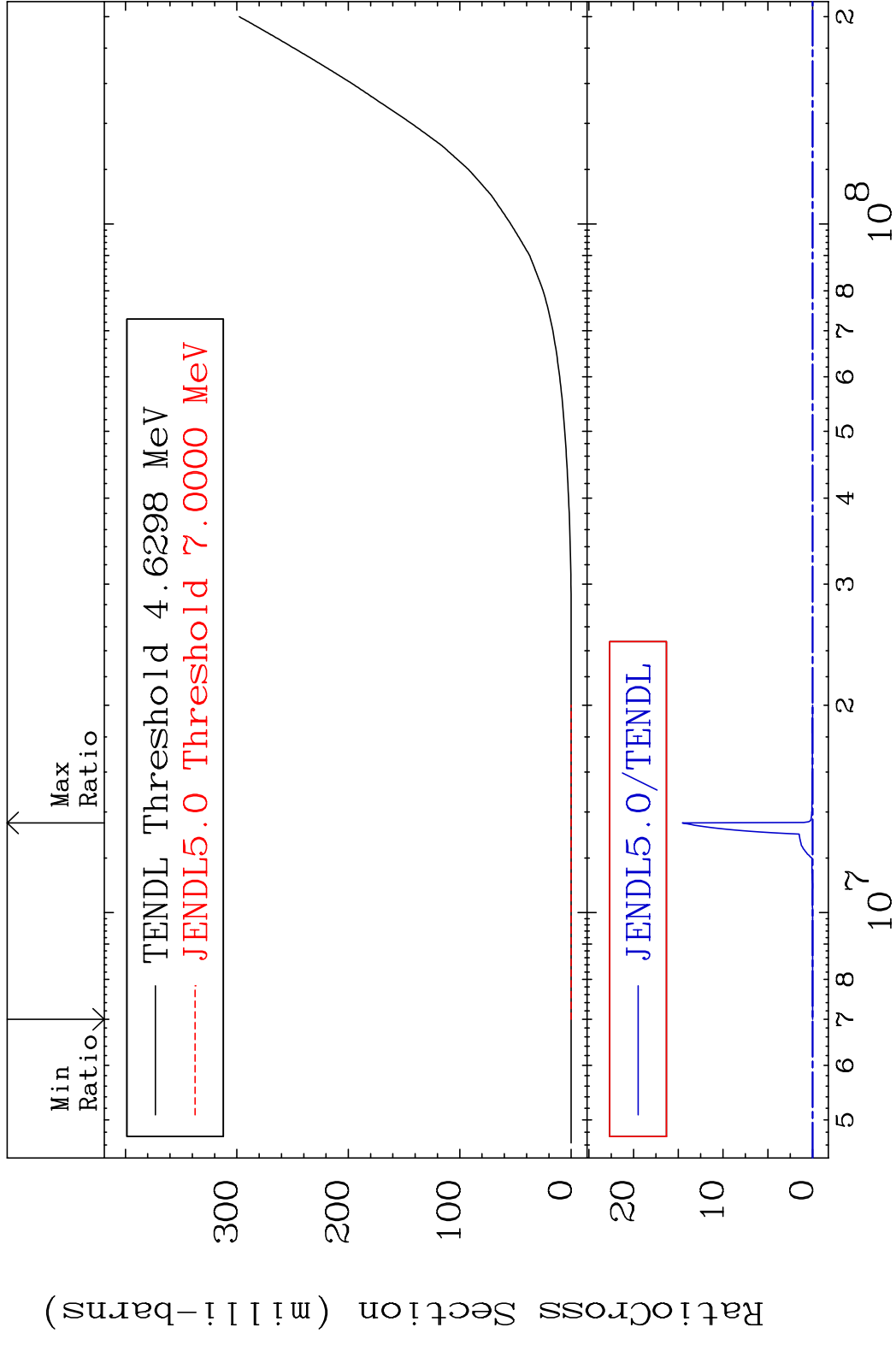


MAT 8028

He-3 Production

80-Hg-197

Cross Section -100.0 To 9999. %



39

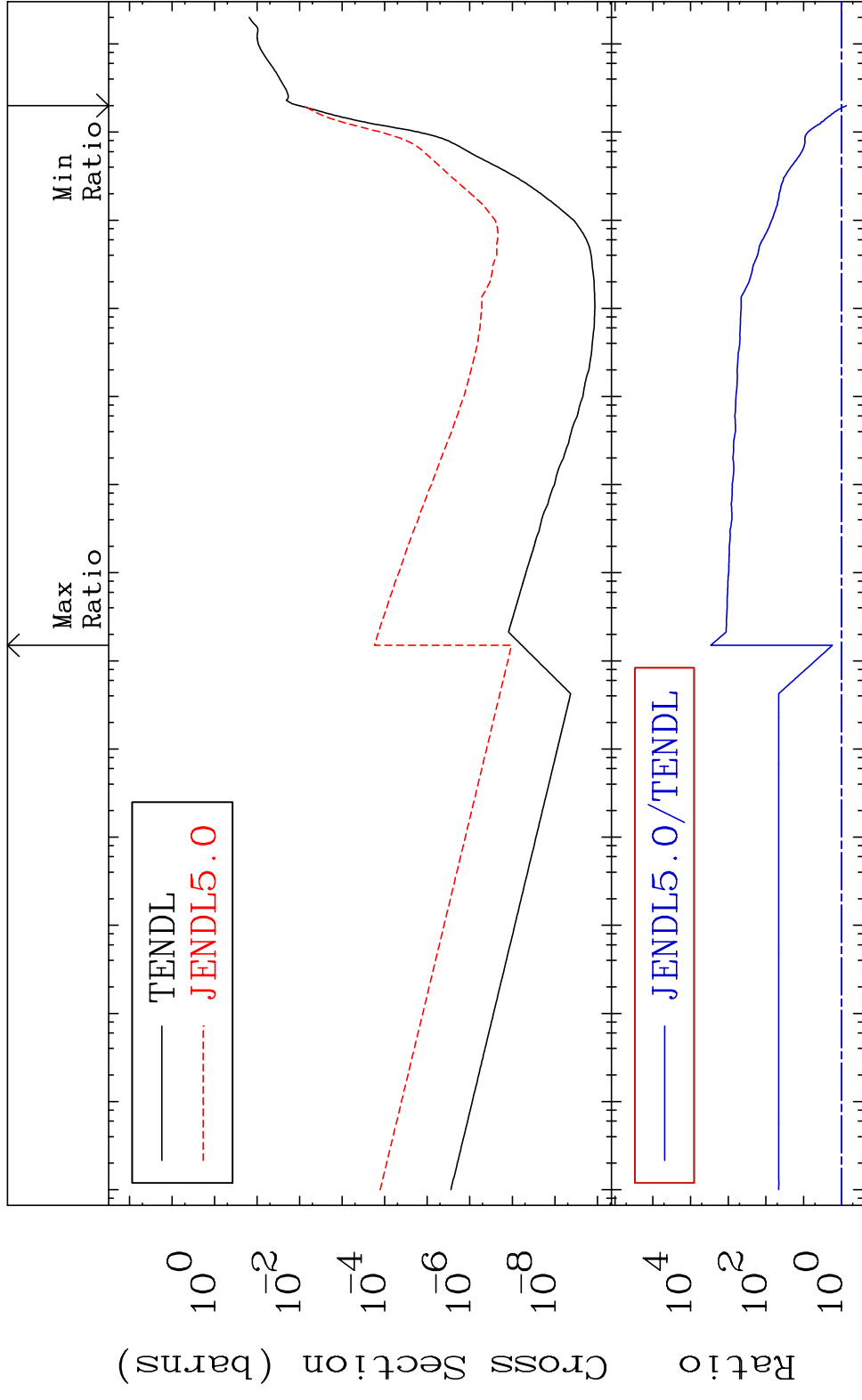
80-Hg-197

MAT 8028

He-4 Production

80-Hg-197

Cross Section -25.54 To 9999. %



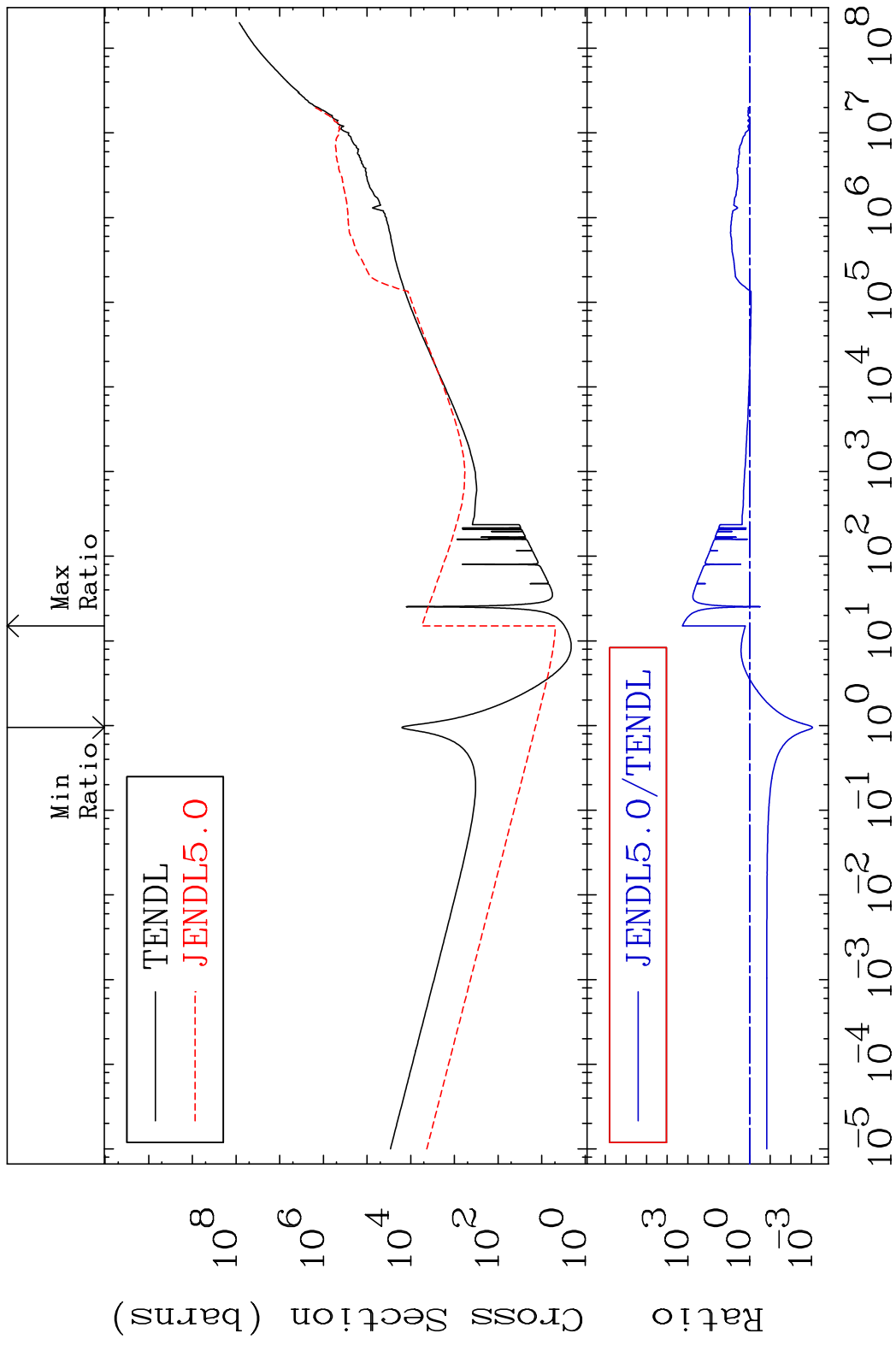
Incident Energy (eV) 80-Hg-197

40

Incident Energy (eV)

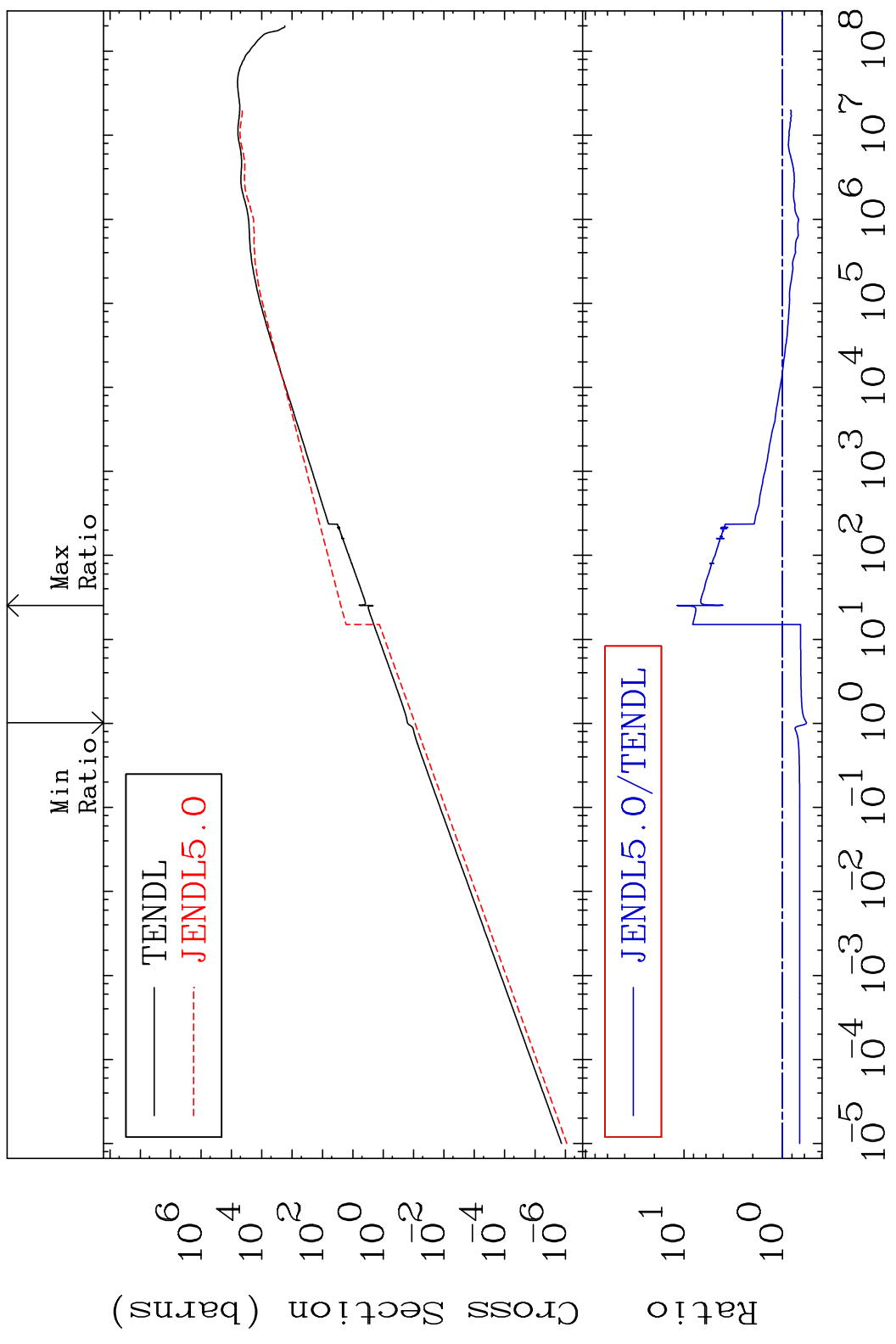
80-Hg-197

MAT 8028 Kerma total (eV-barns) 80-Hg-197
 Cross Section -99.91 To 9999. %



MAT 8028

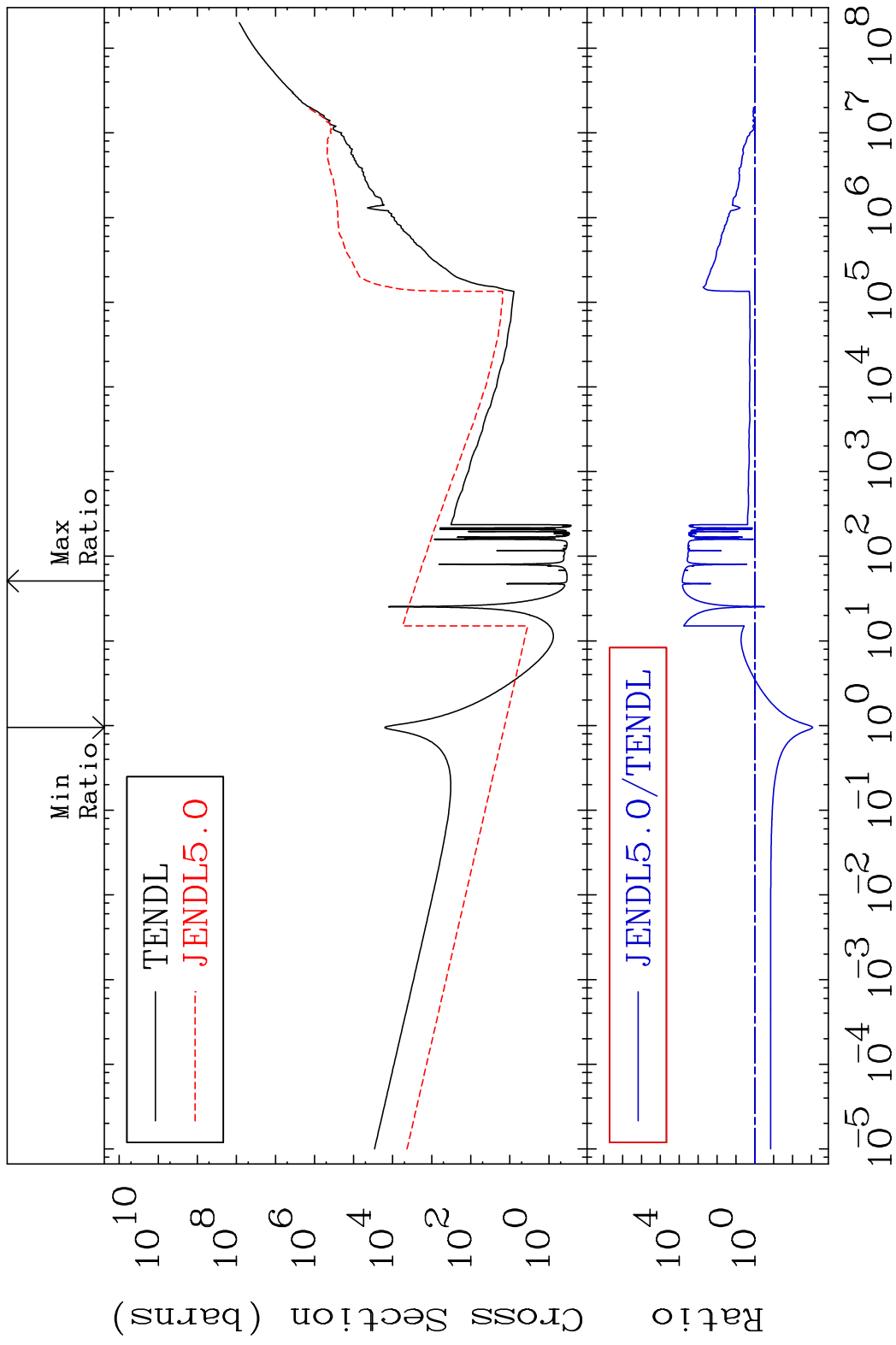
Kerma elastic Cross Section -42.84 To 1074. %
80-Hg-197



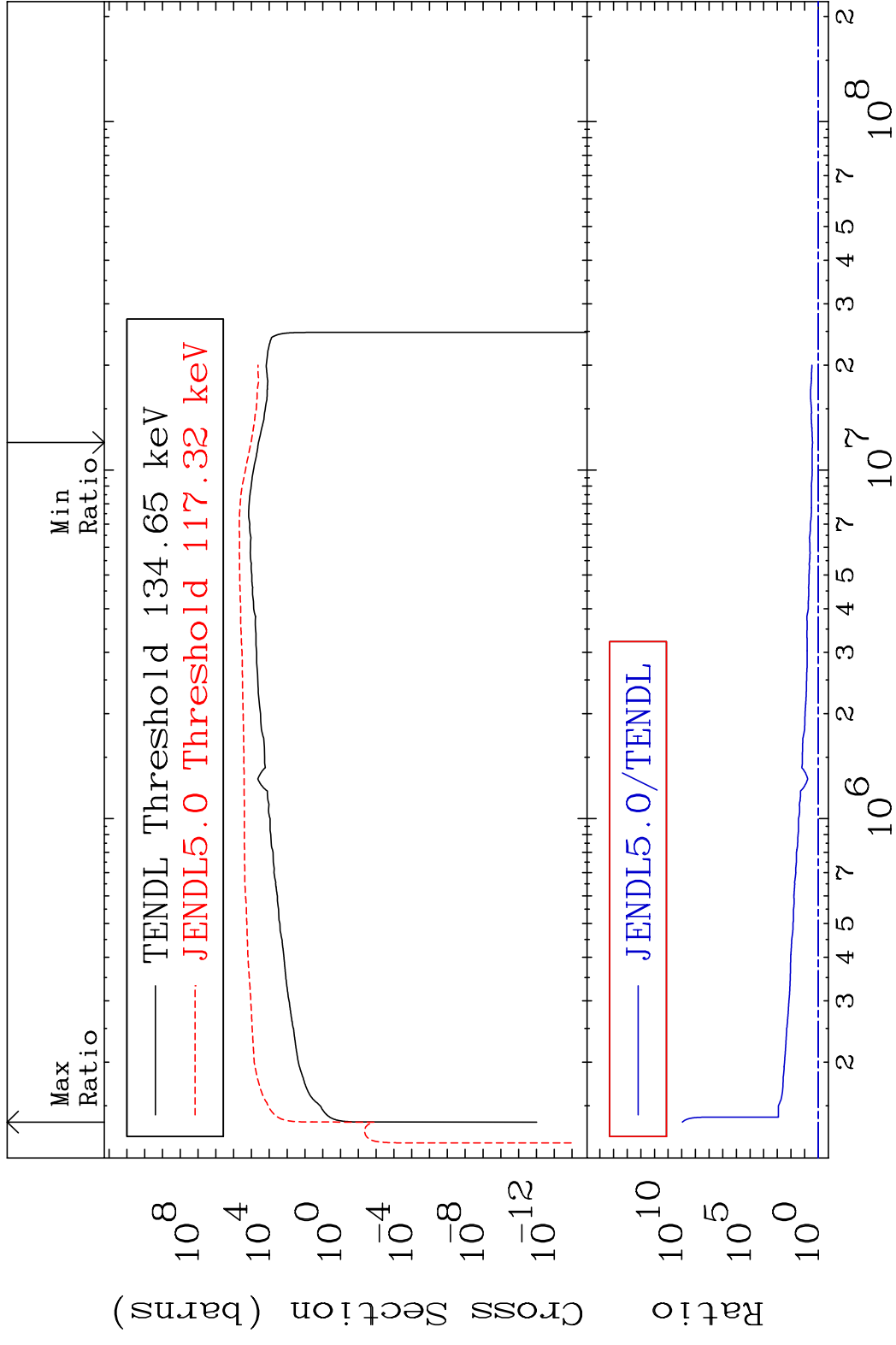
42

Incident Energy (eV) 80-Hg-197

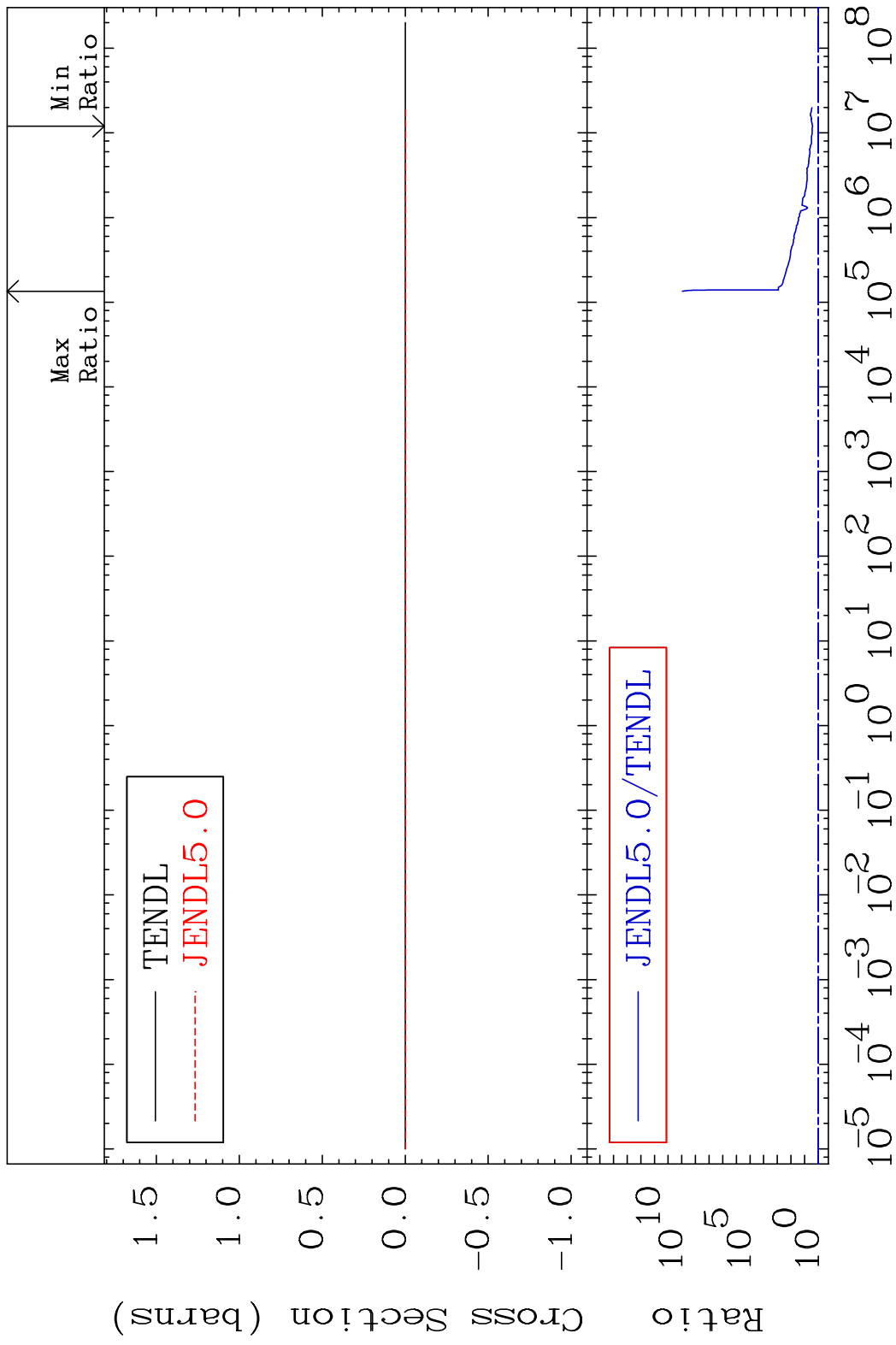
MAT 8028 Kerma non-elastic (all but mt2) 80-Hg-197
 Cross Section -99.91 To 9999. %



MAT 8028 Kerma inelastic (mt51-91) 80-Hg-197
 Cross Section 162.7 To 9999. %

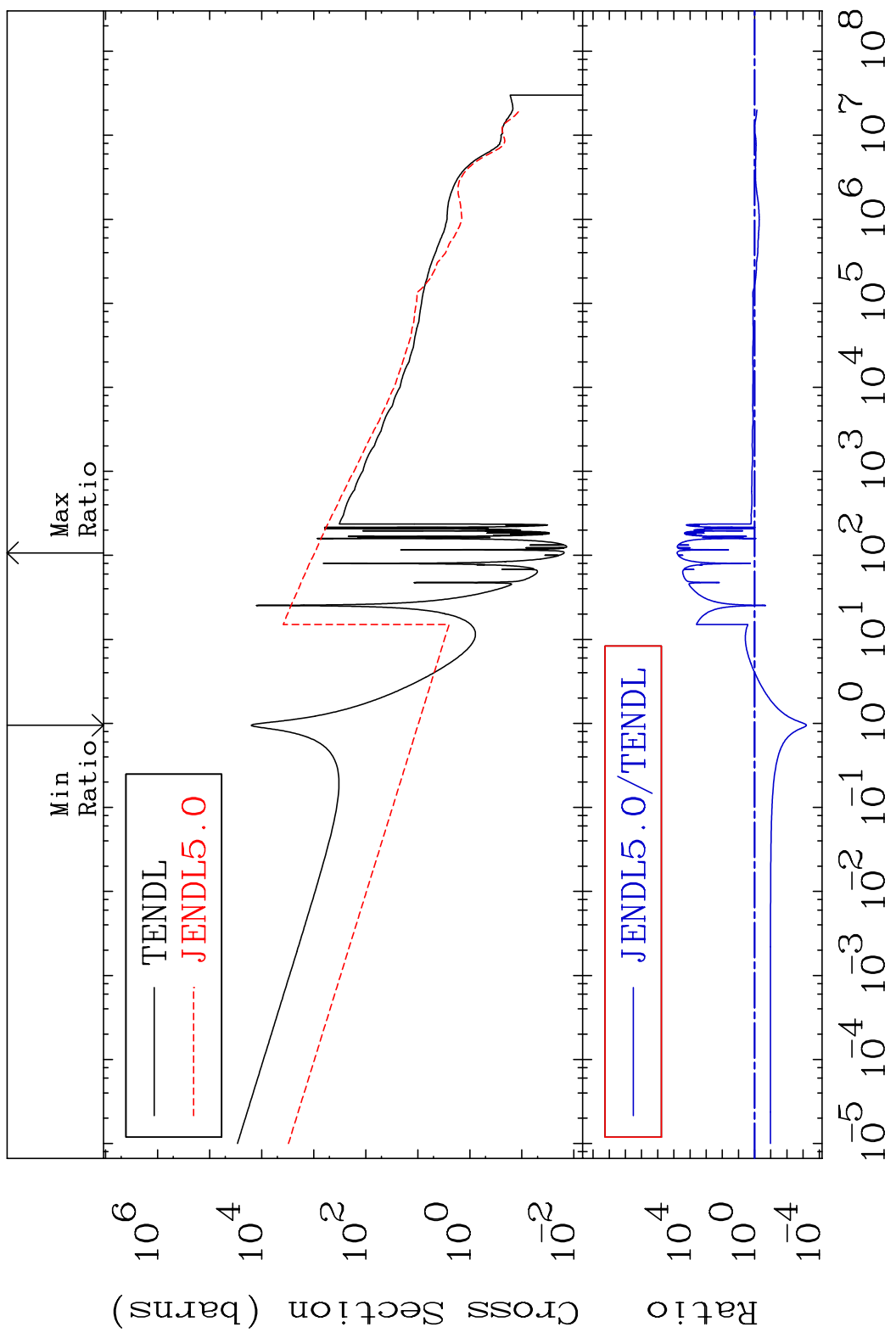


MAT 8028 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-197
 Cross Section 162.7 To 9999. %

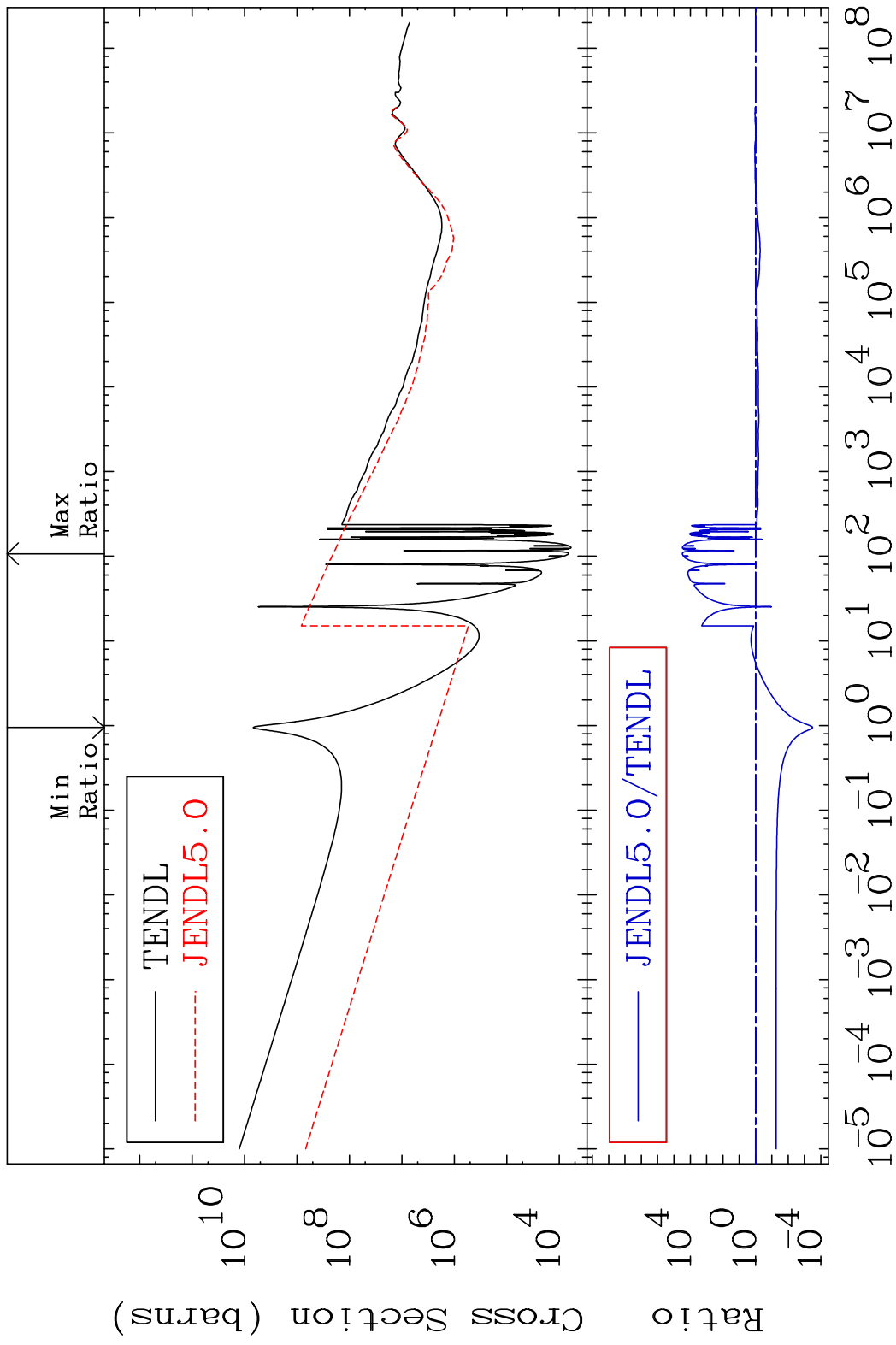


MAT 8028

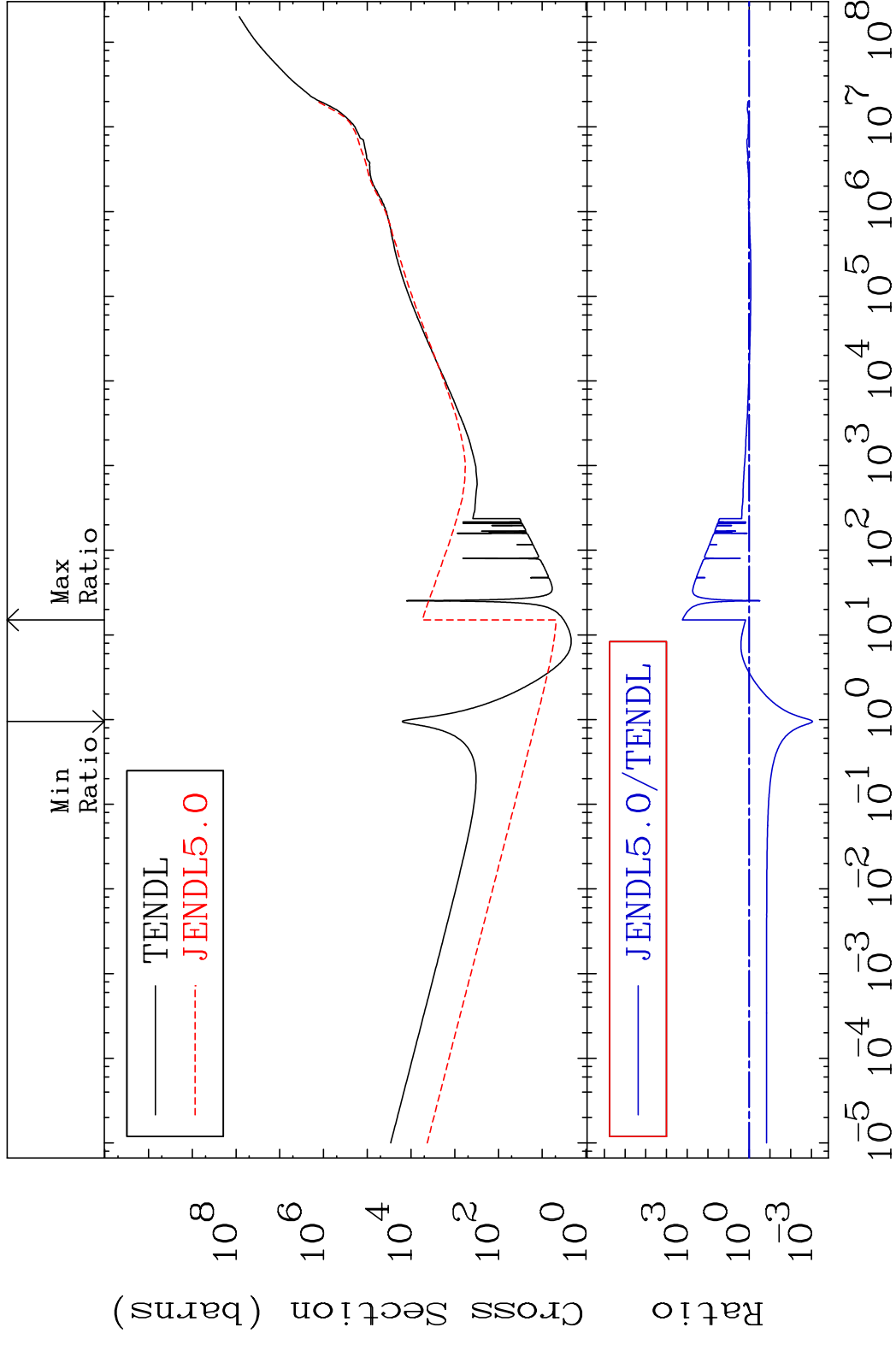
Kerma capture (mt102) 80-Hg-197
Cross Section -99.94 To 9999. %



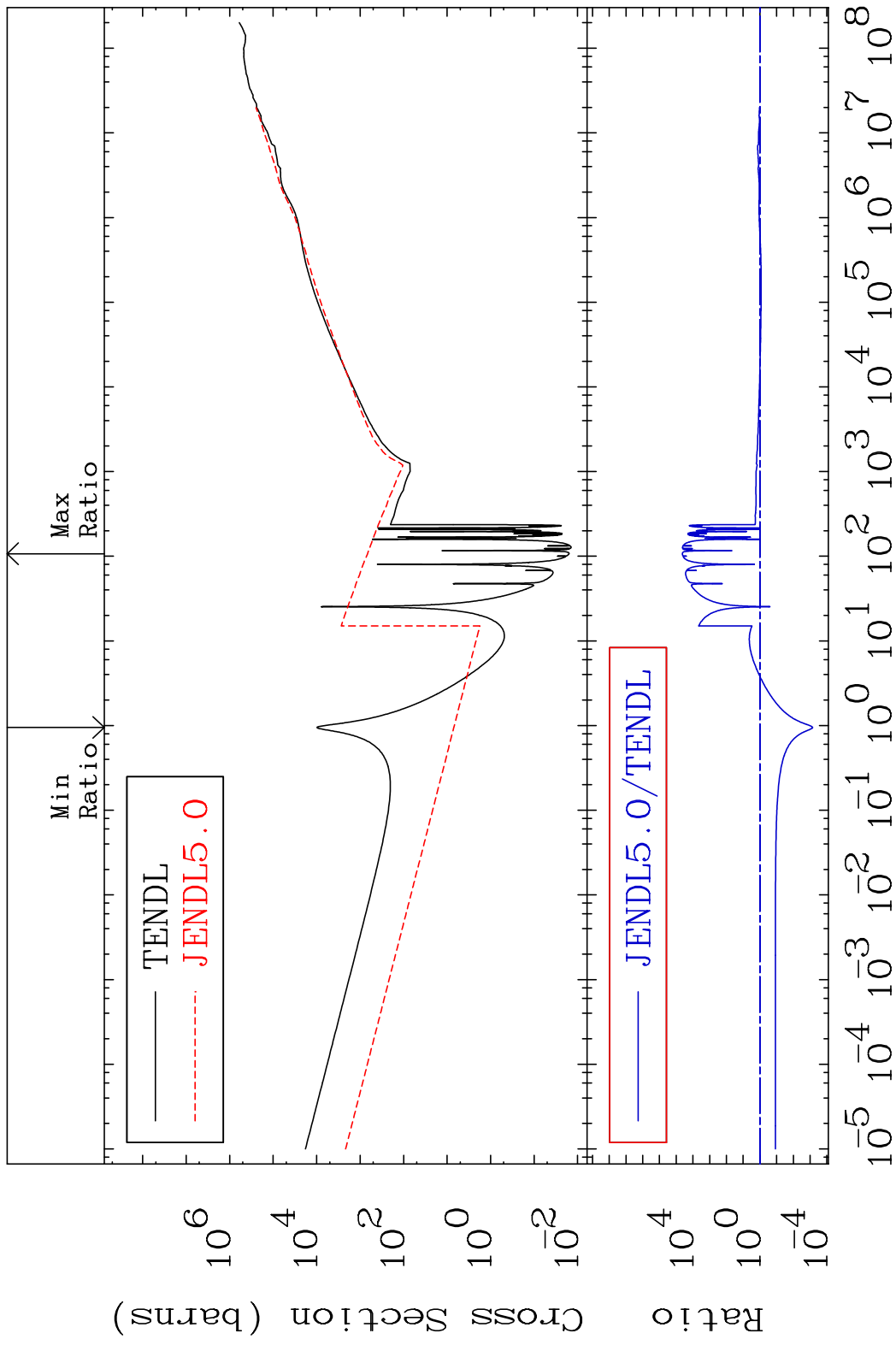
MAT 8028 Total photon (eV-barns) 80-Hg-197
 Cross Section -99.97 To 9999. %



MAT 8028 Total kinematic kerma (high limit) 80-Hg-197
 Cross Section -99.91 To 9999. %



MAT 8028 Dpa total (eV-barns) 80-Hg-197
 Cross Section -99.93 To 9999. %

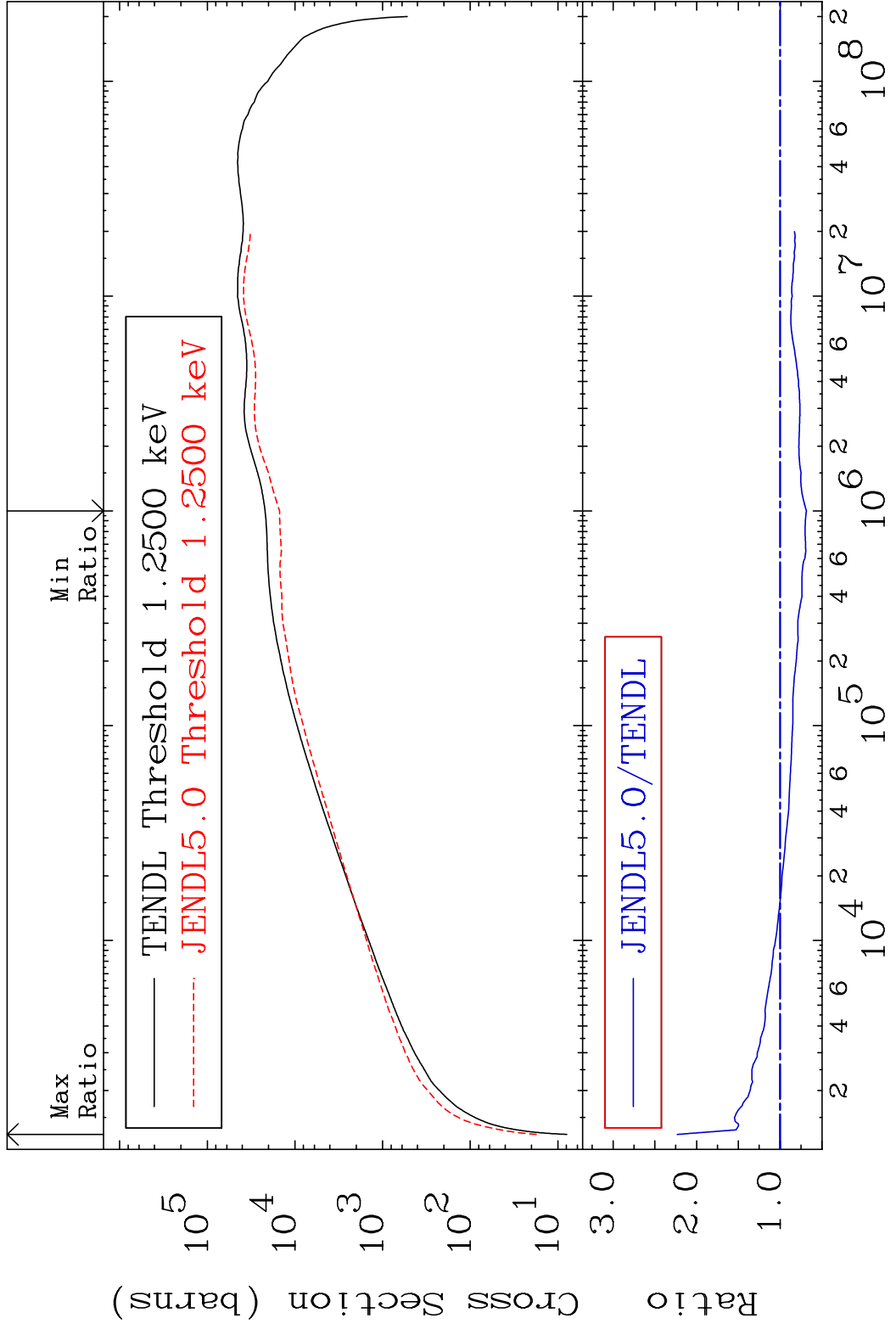


MAT 8028

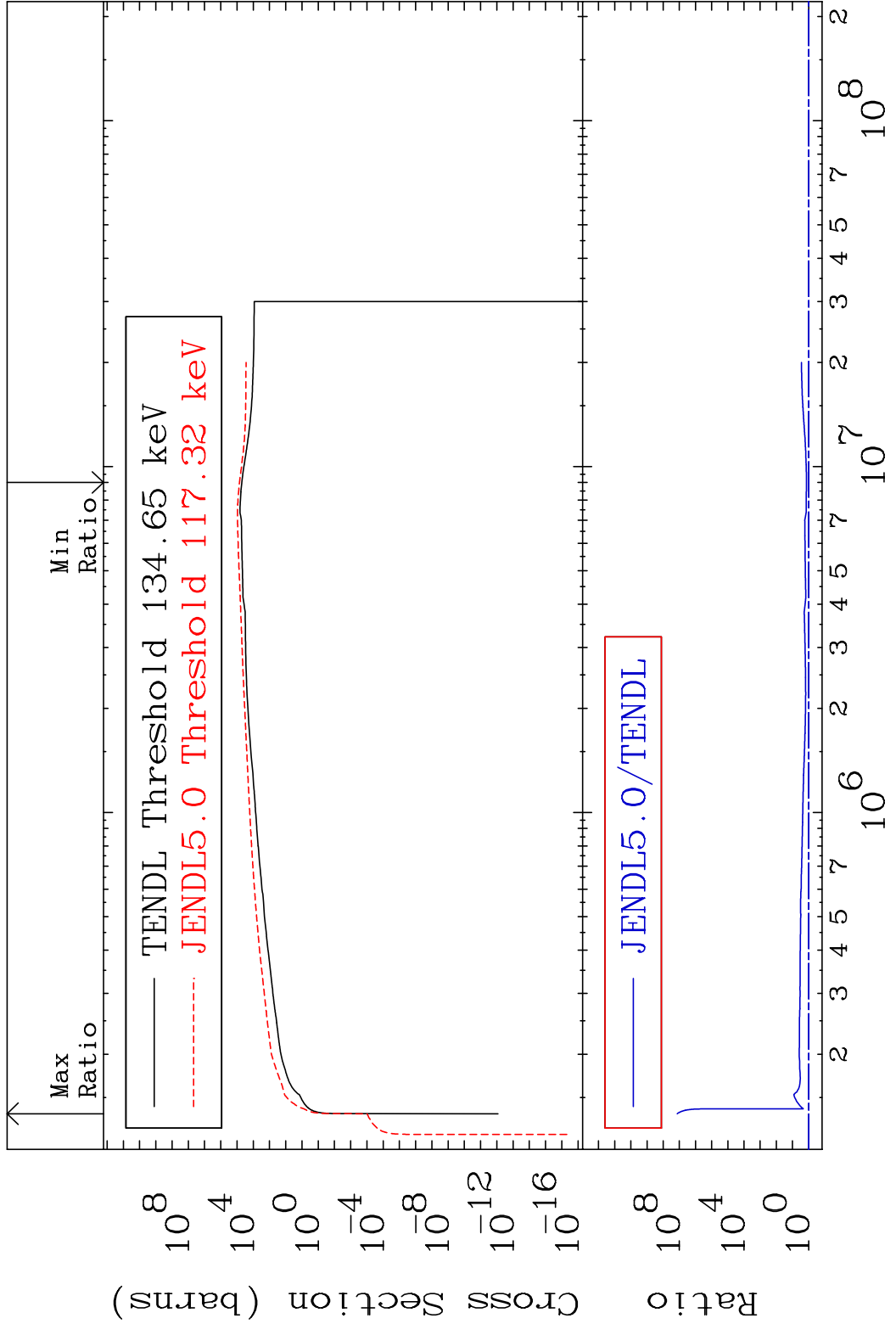
Dpa elastic (mt2)

80-Hg-197

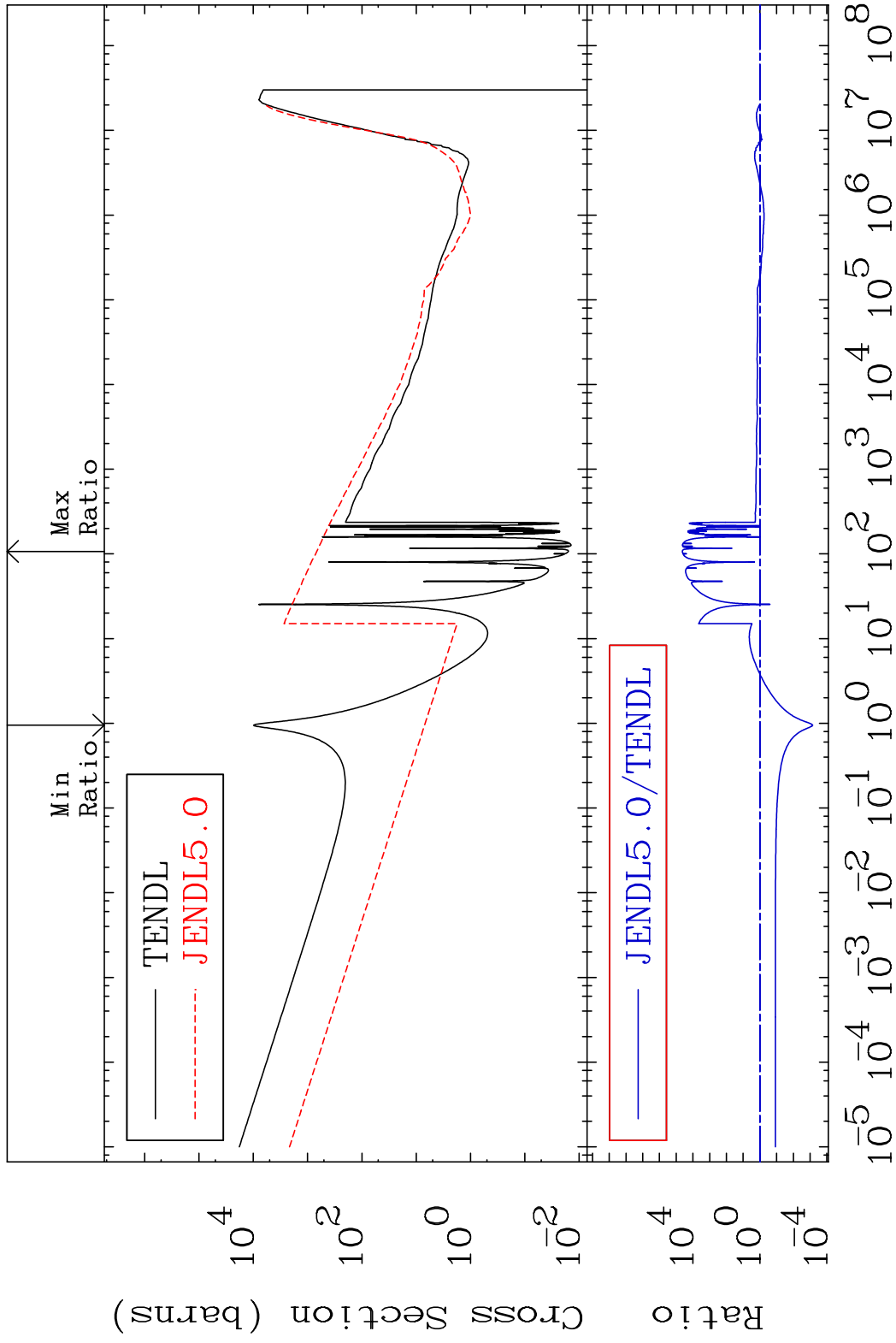
Cross Section -31.52 To 123.2 %

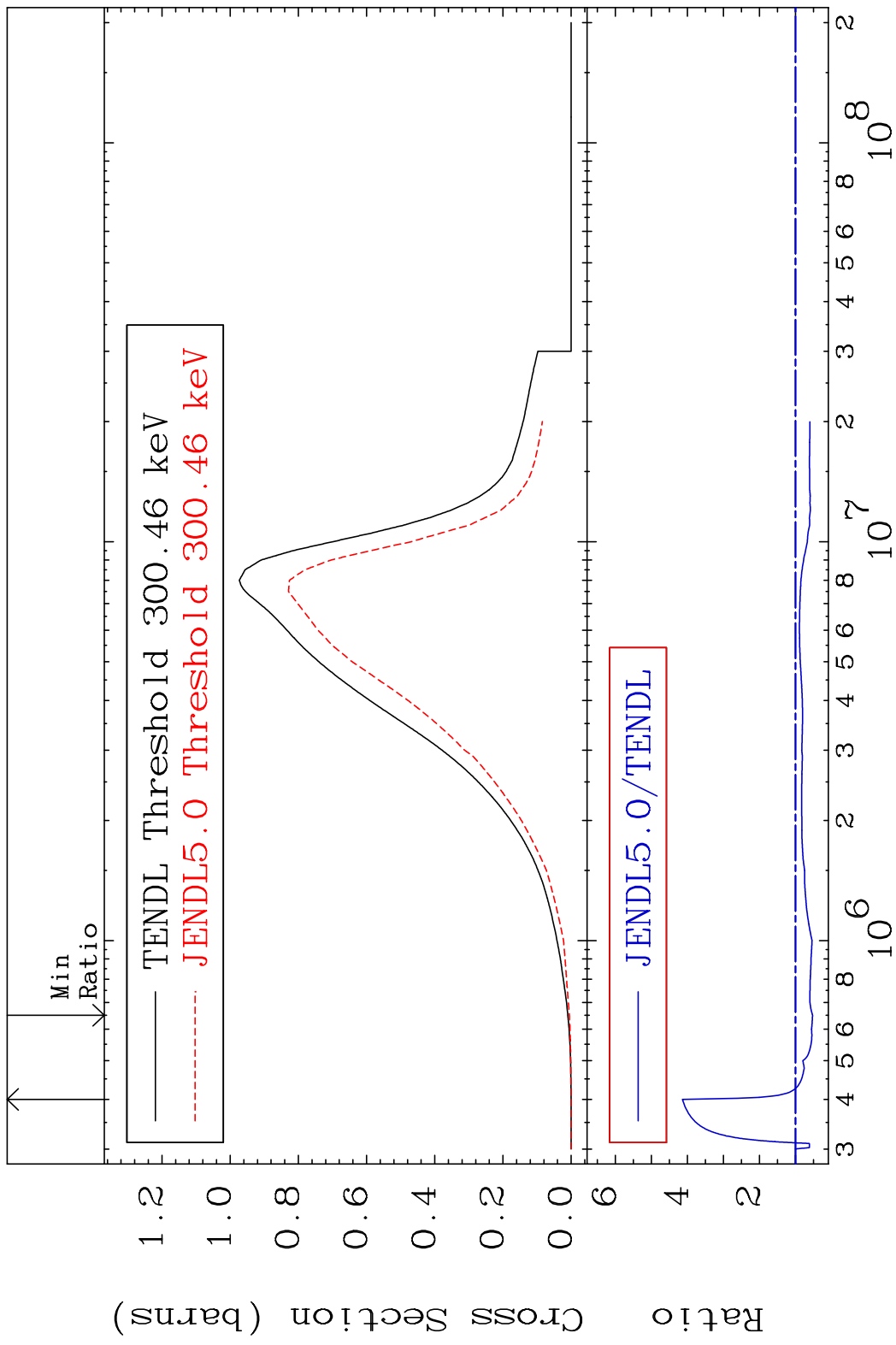


MAT 8028 Dpa inelastic (mt51-91) 80-Hg-197
 Cross Section 37.27 To 9999. %

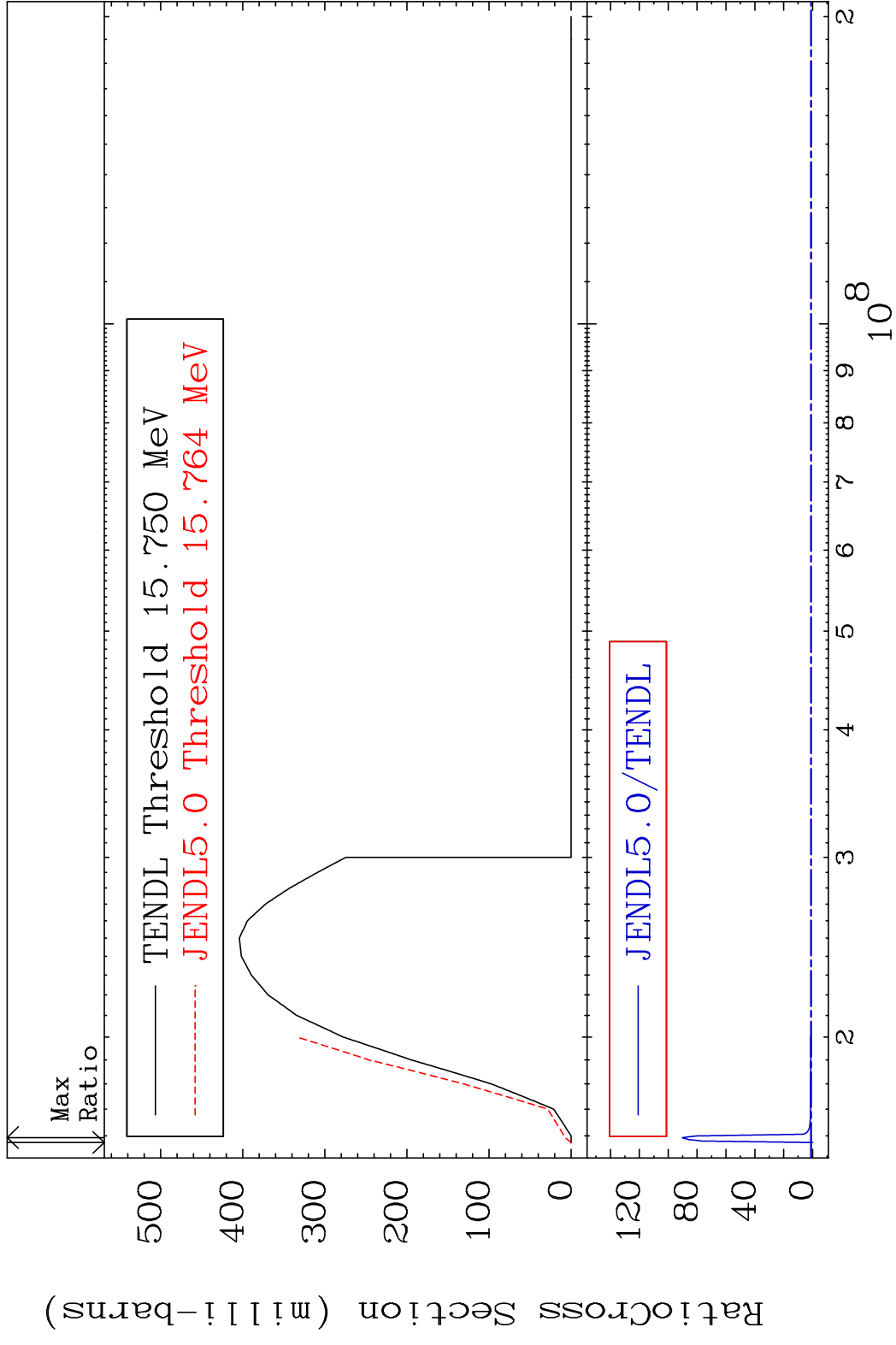


MAT 8028 Dpa disappearance (mt102 -120) 80-Hg-197
 Cross Section -99.93 To 9999. %

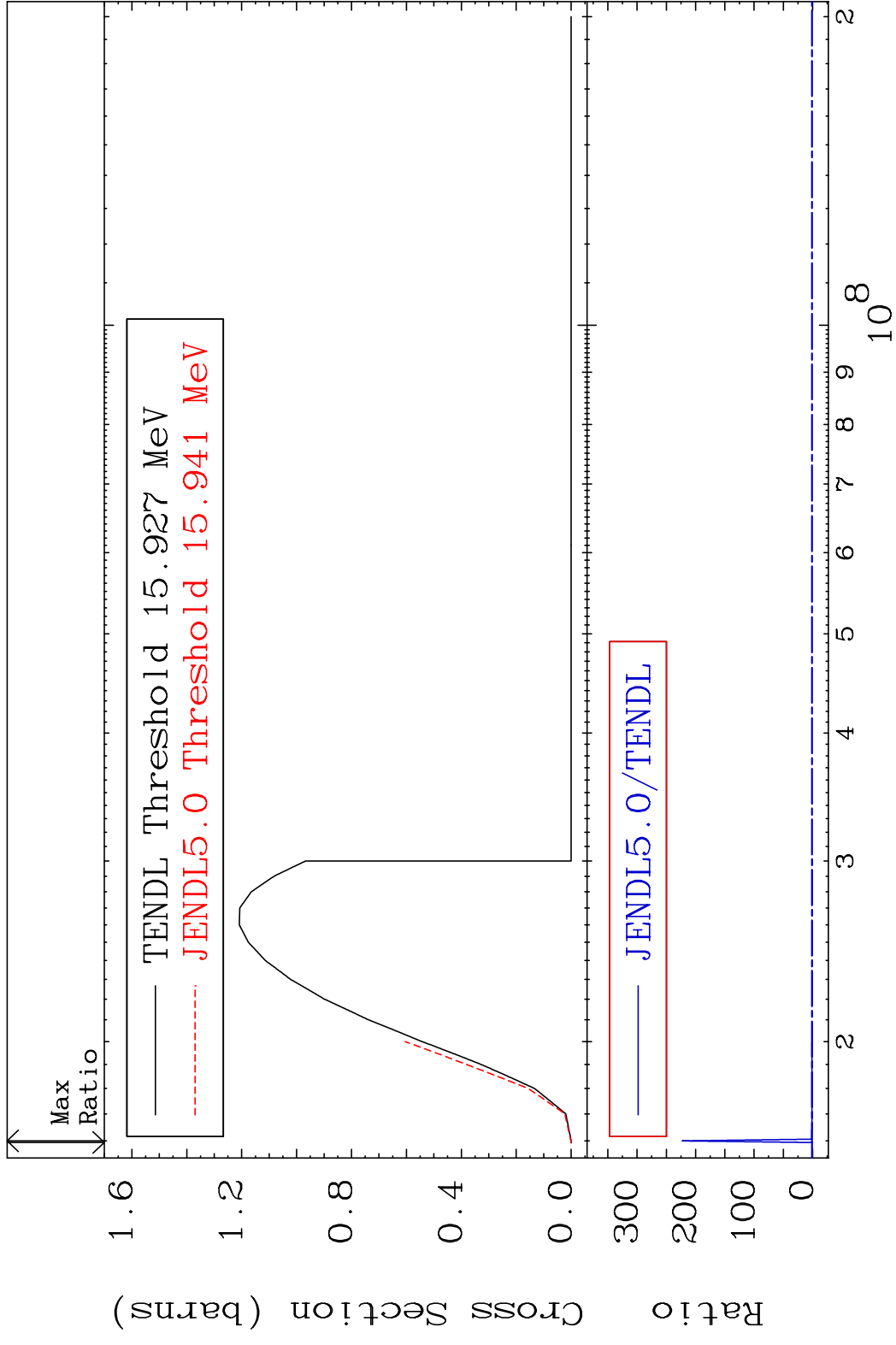


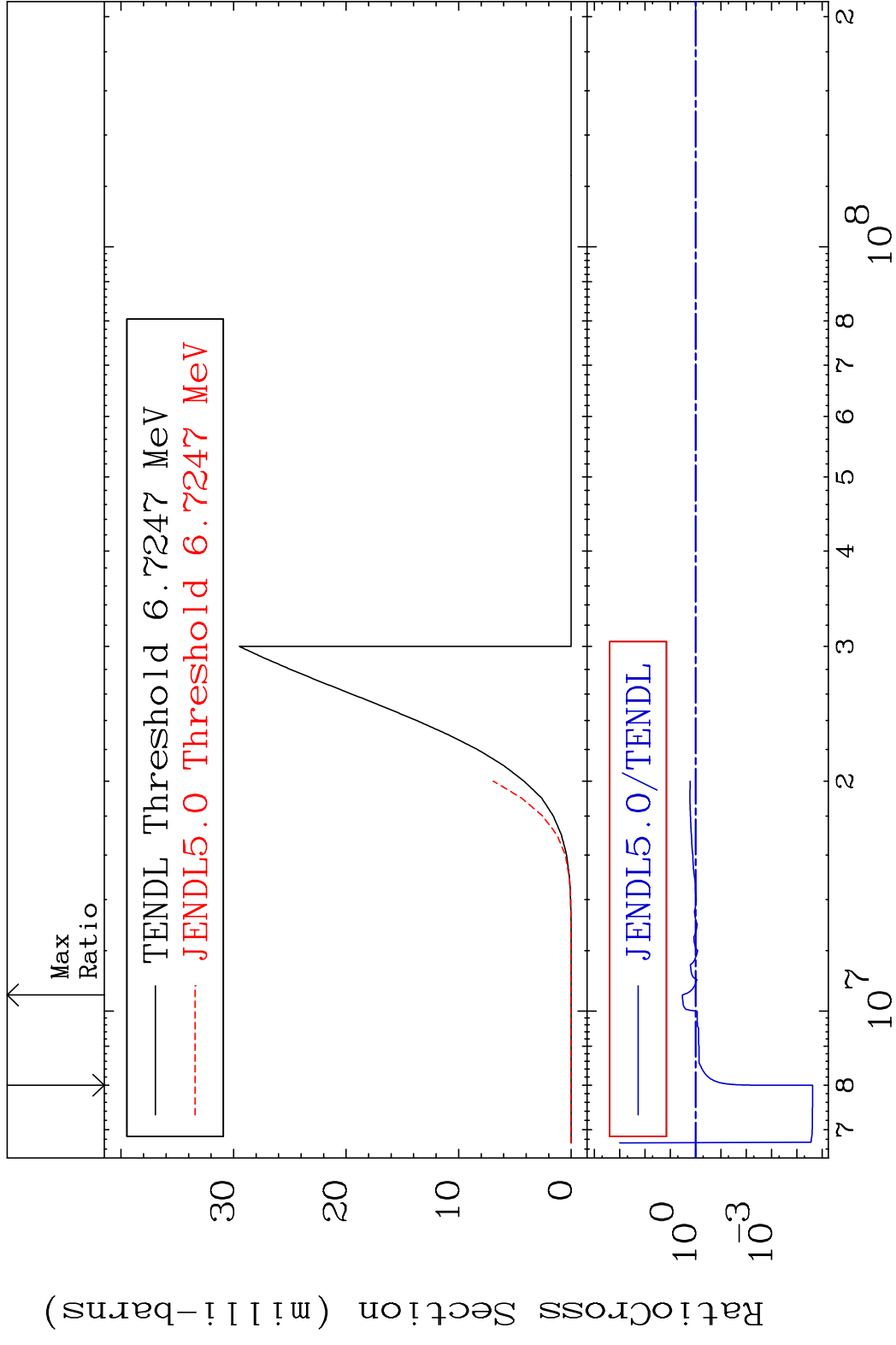


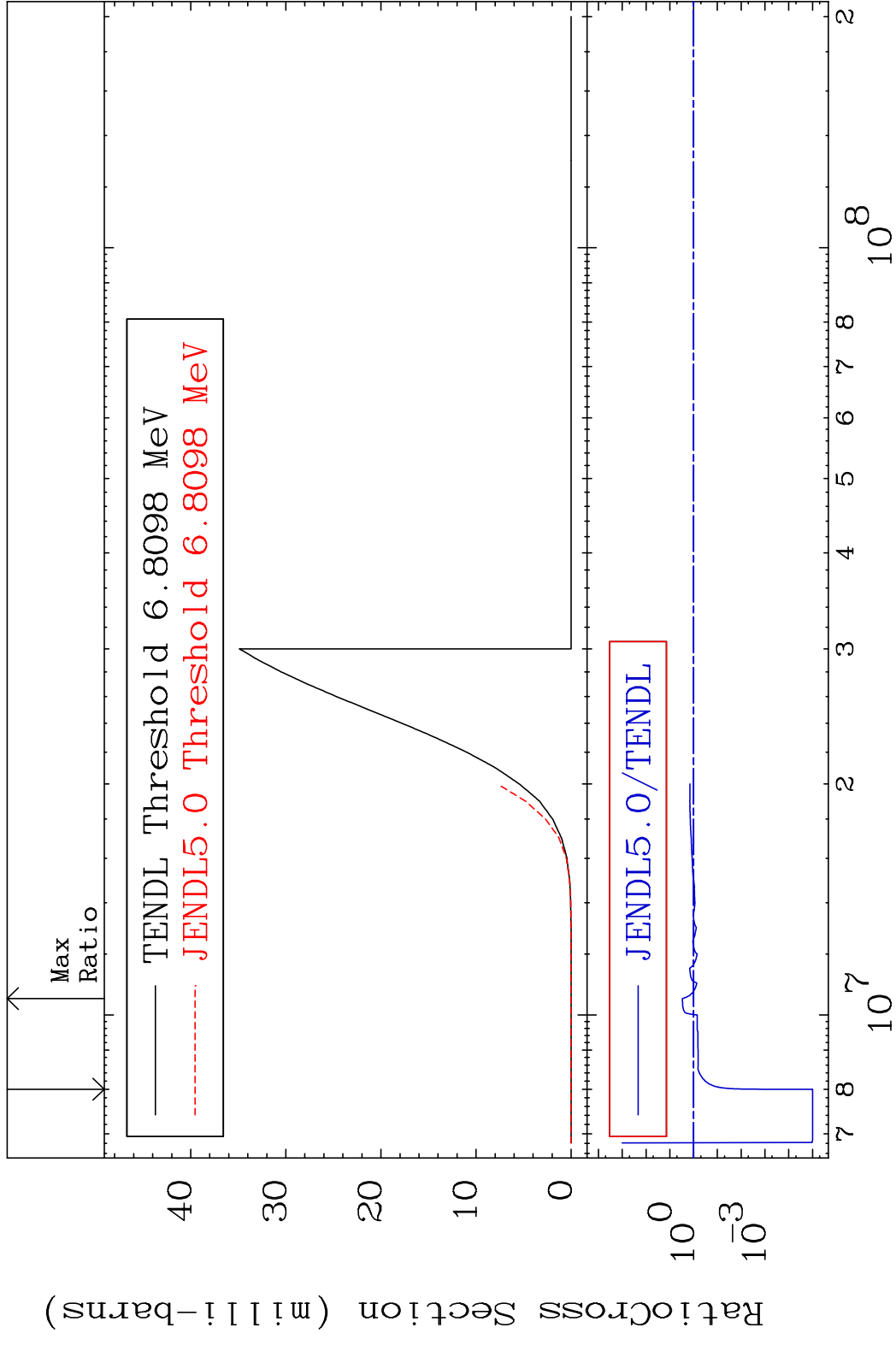
MAT 8028 (n,3n):80-Hg-195g 80-Hg-197
 Radionuclide Production Cross Section Ratio 8921. %

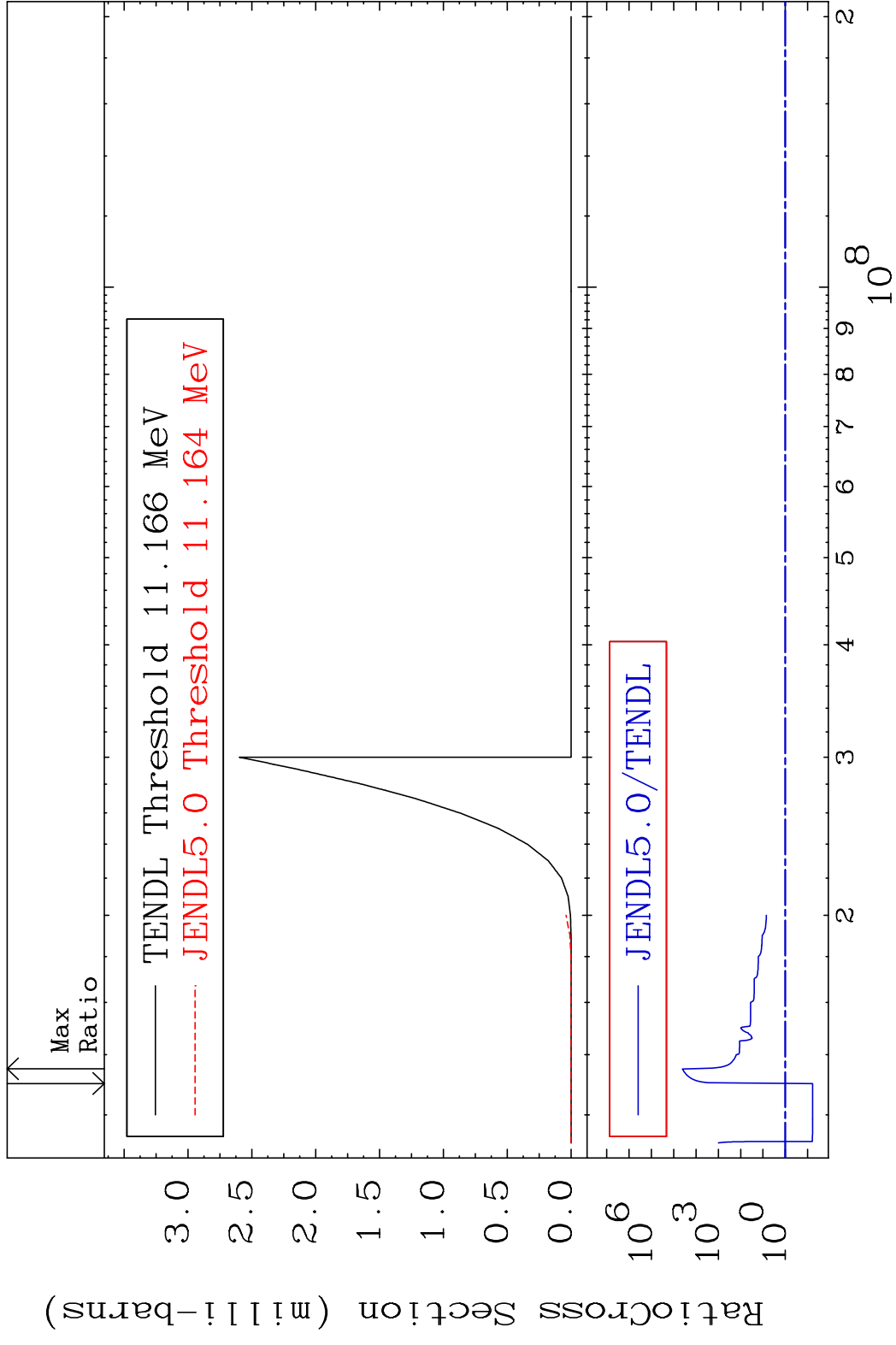


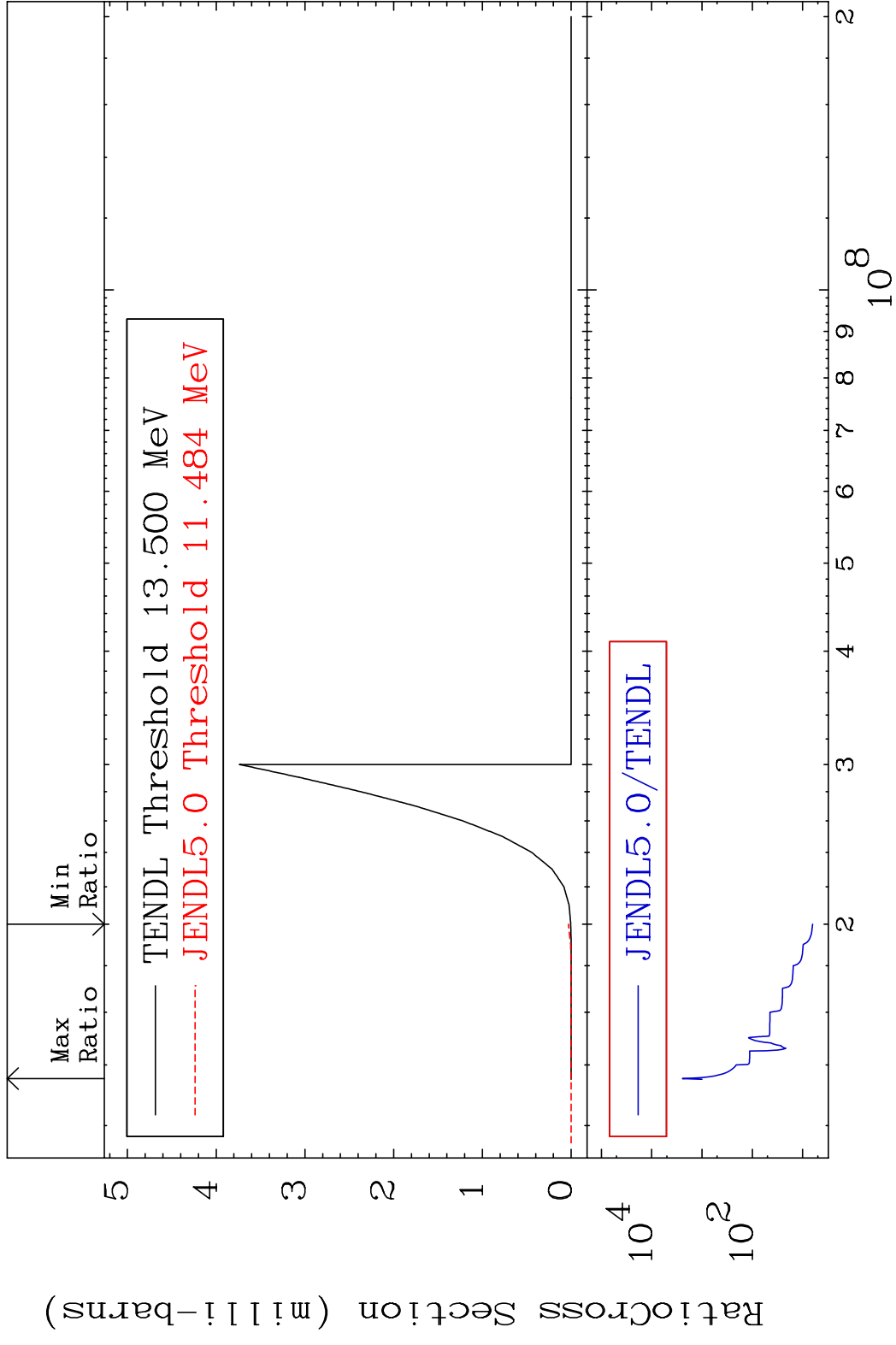
MAT 8028 (n, 3n):80-Hg-195m3 80-Hg-197
 Radionuclide Production Cross Section Ratio 9999. %

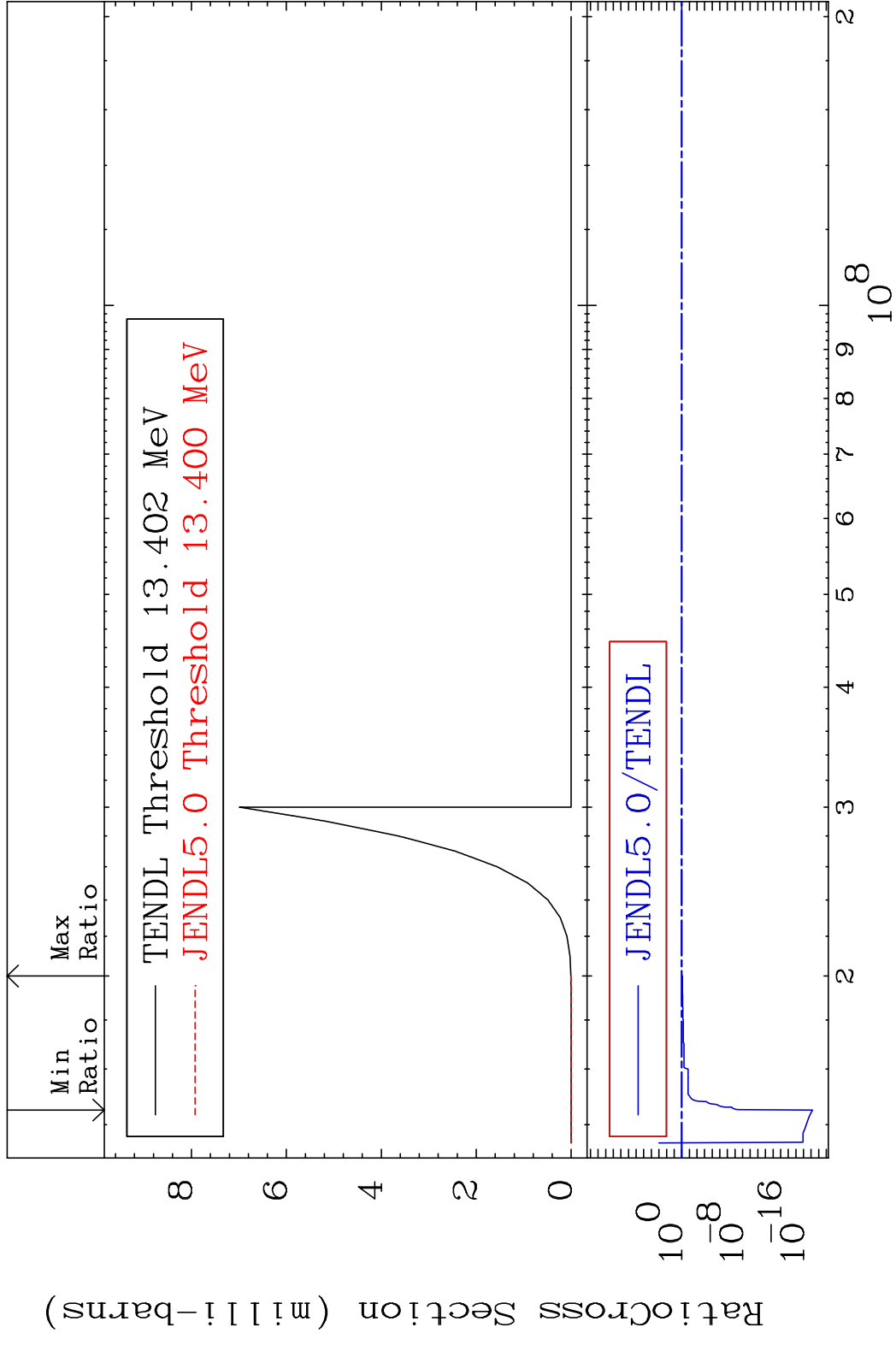












MAT 8028 (n,d):79-Au-196g 80-Hg-197
 Radionuclide Production Cross Section Ratio 9999. %

