

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

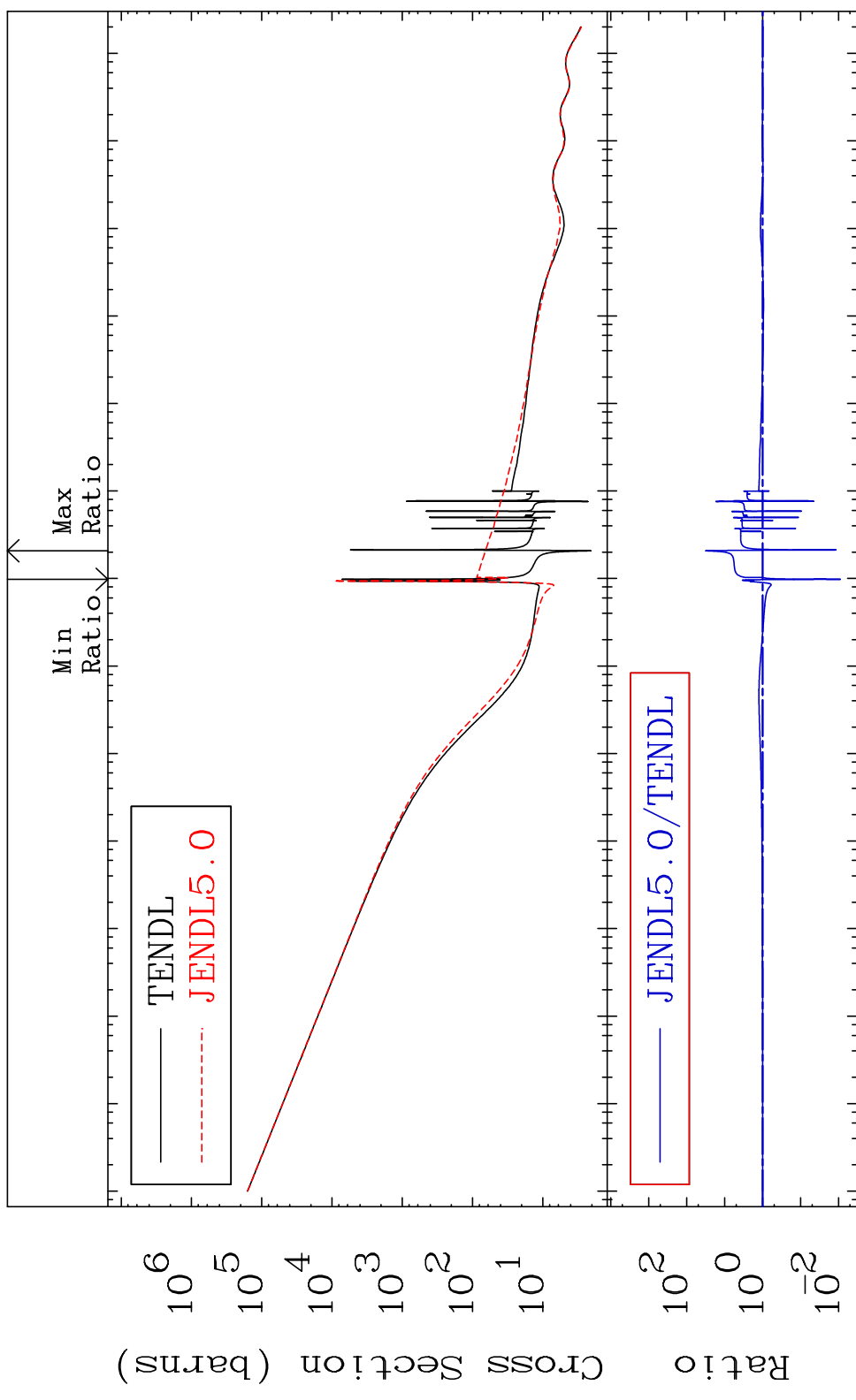
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8025

Total Cross Section -99.11 To 3055. %
80-Hg-196



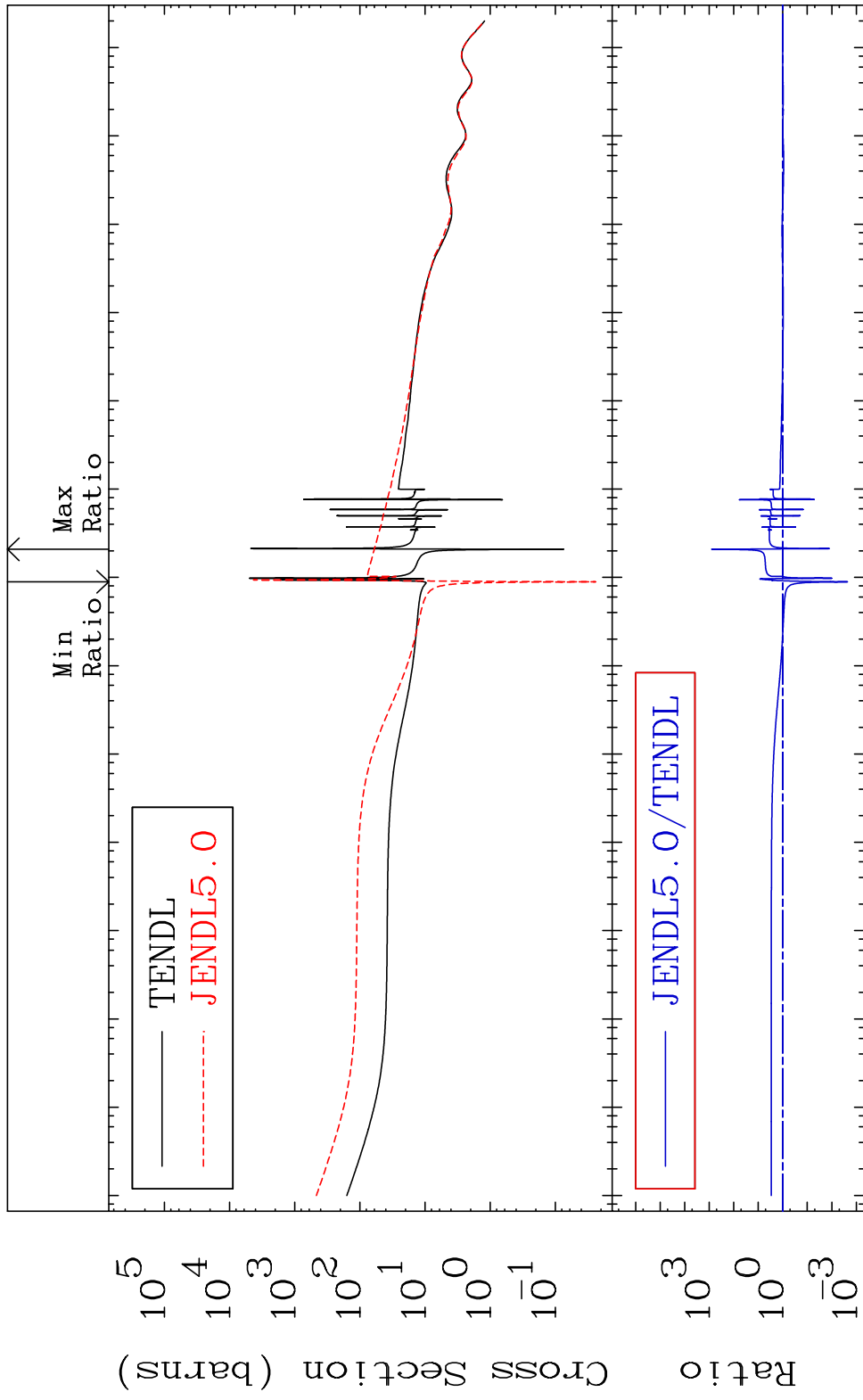
1 Incident Energy (eV) 80-Hg-196

MAT 8025

Elastic

80-Hg-196

Cross Section -99.77 To 9999. %

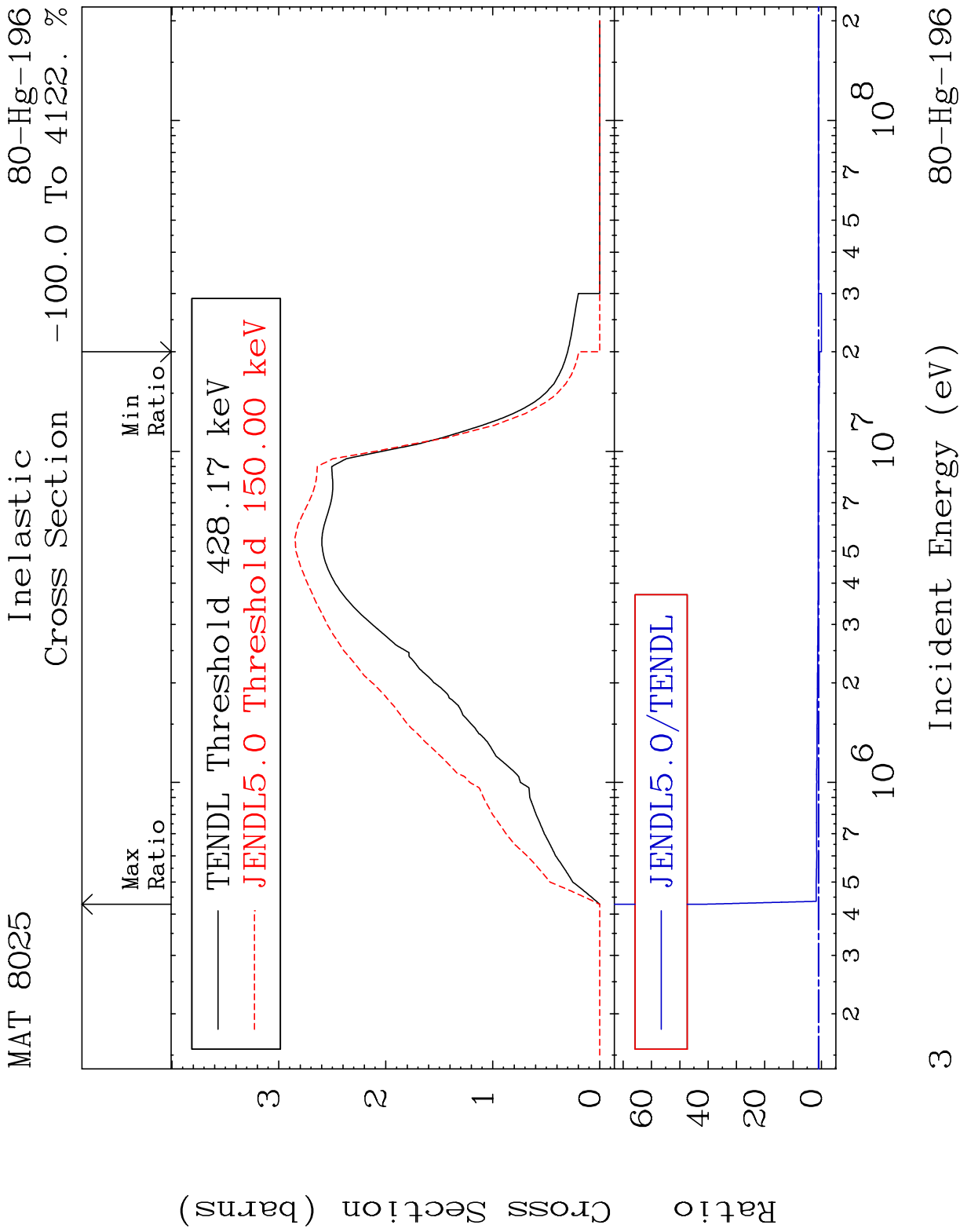


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

80-Hg-196

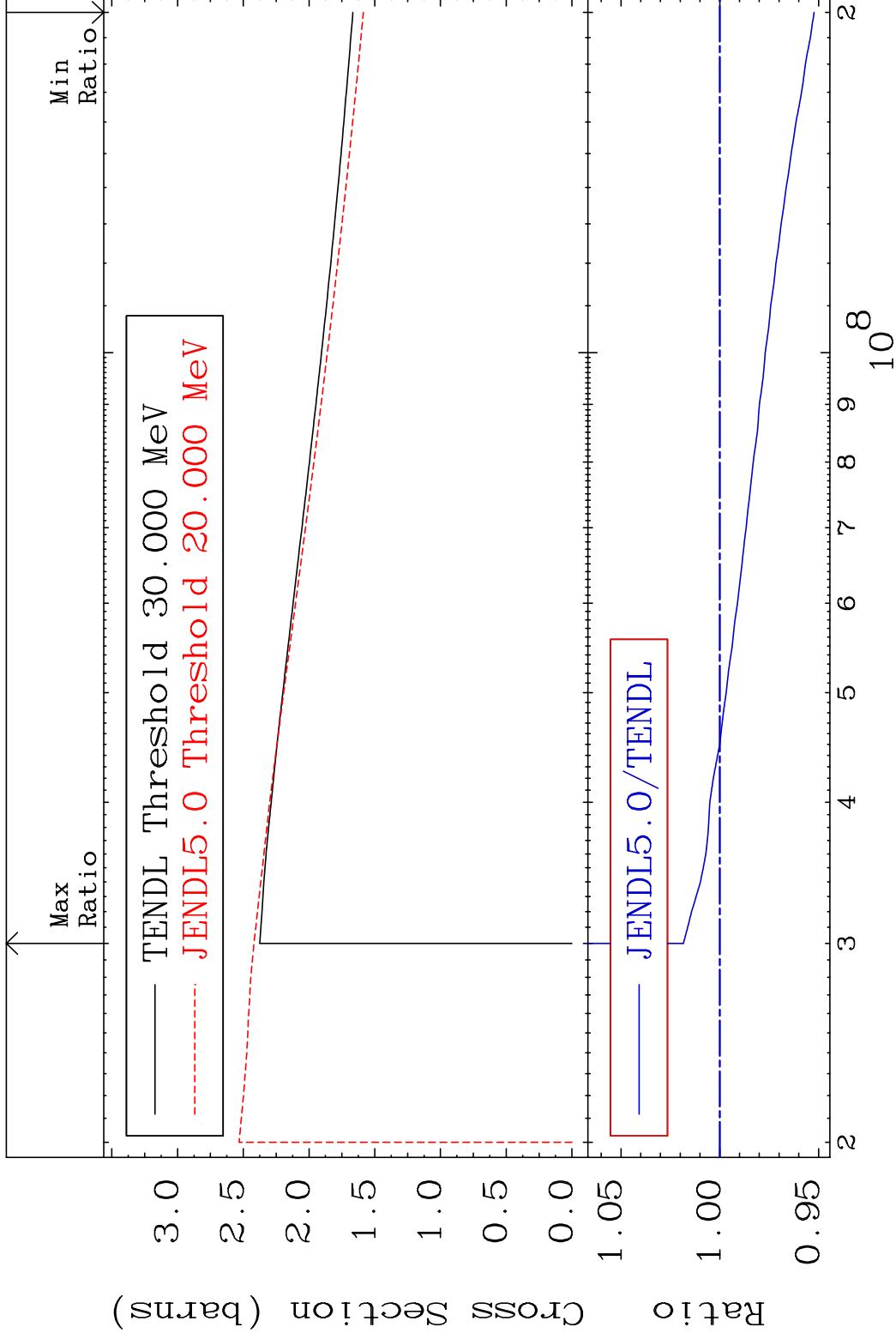


MAT 8025

(n, remainder)

80-Hg-196

Cross Section -4.771 To 1.838 %

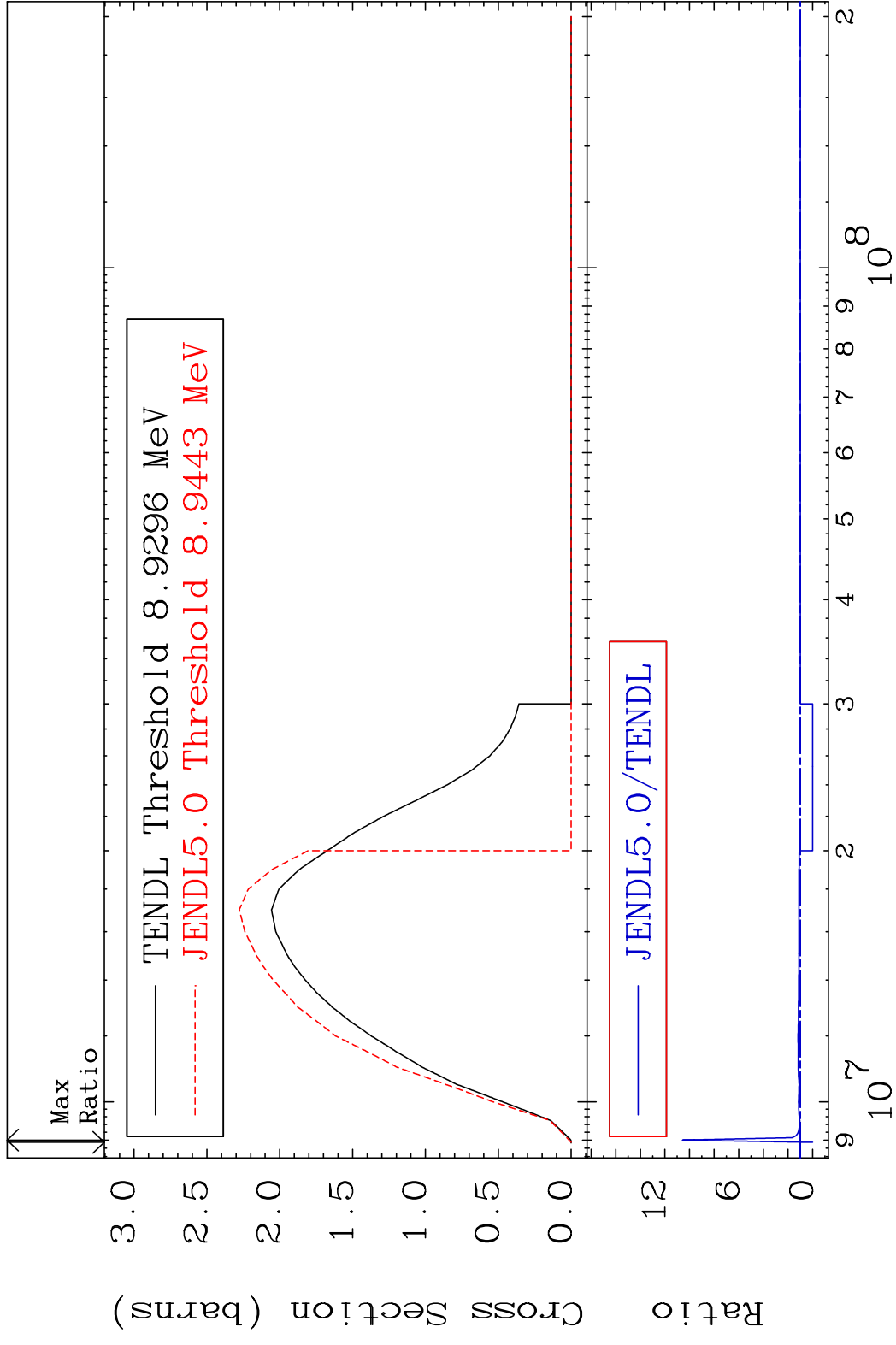


4

Incident Energy (eV)

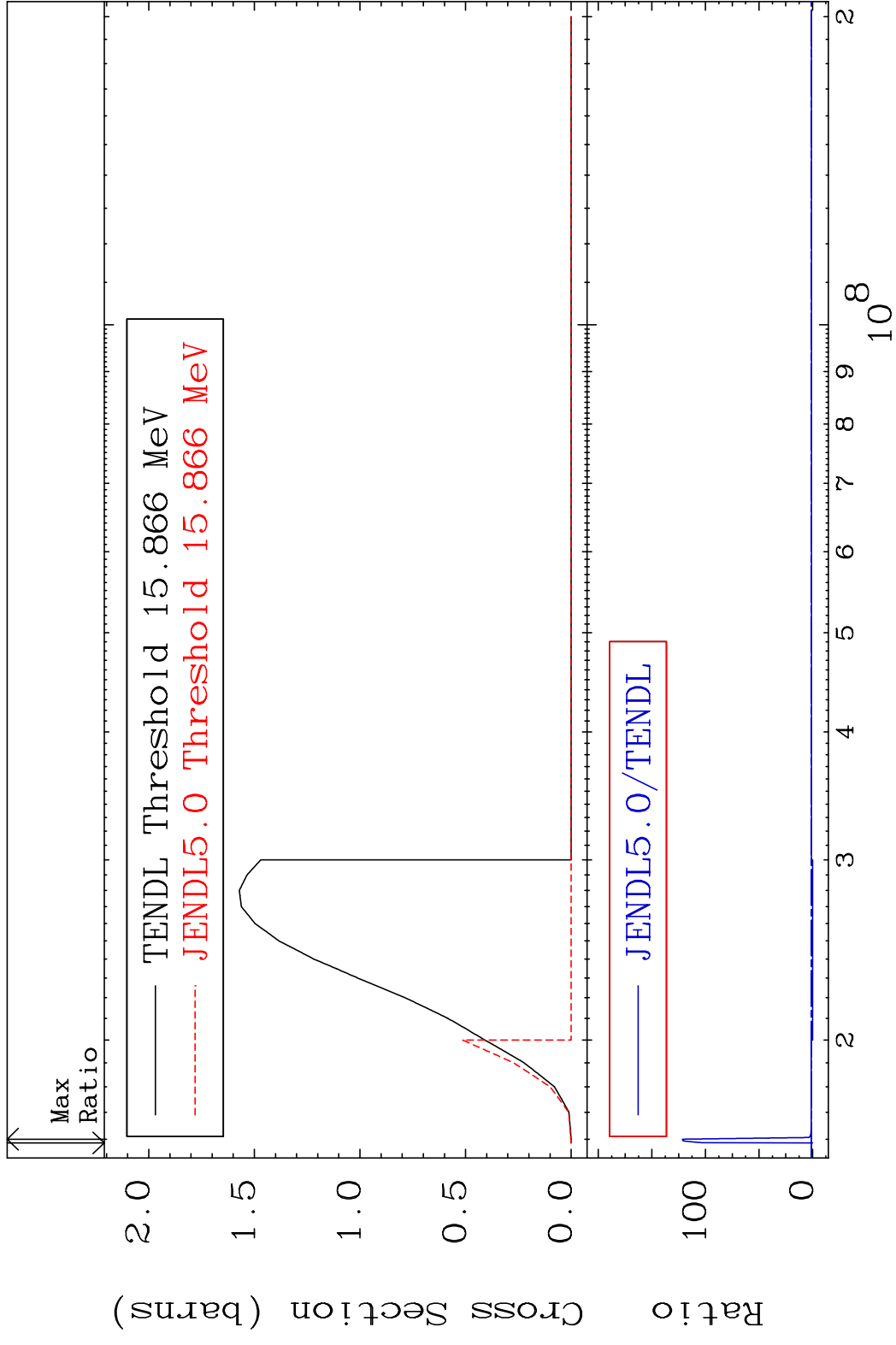
80-Hg-196

MAT 8025 (n,2n) 80-Hg-196
 Cross Section -100.0 To 958.4 %



5 Incident Energy (eV) 80-Hg-196

MAT 8025 (n,3n) 80-Hg-196
 Cross Section -100.0 To 9999. %

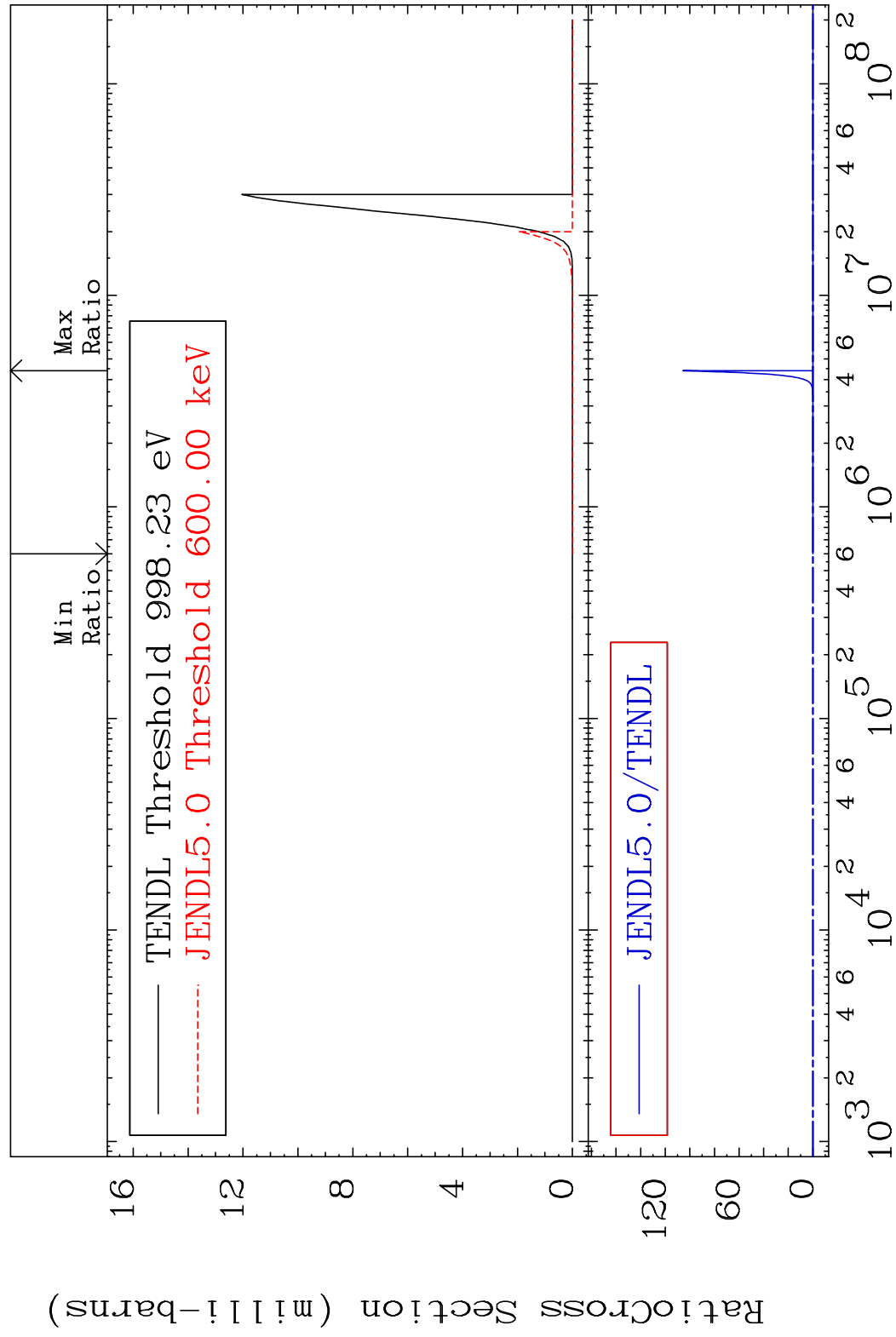


MAT 8025

(n, n') α

80-Hg-196

Cross Section -100.0 To 9999. %

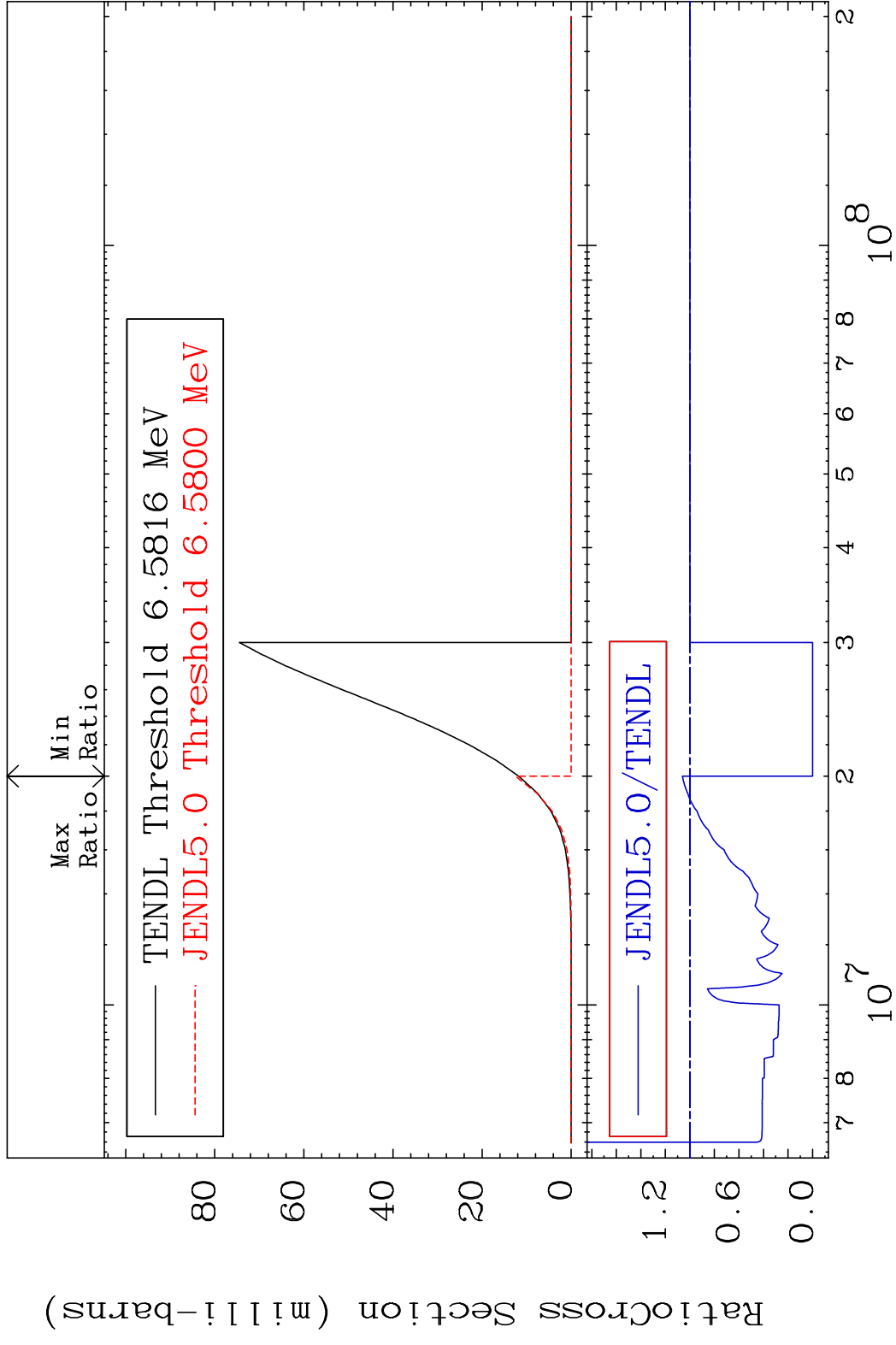


7

Incident Energy (eV)

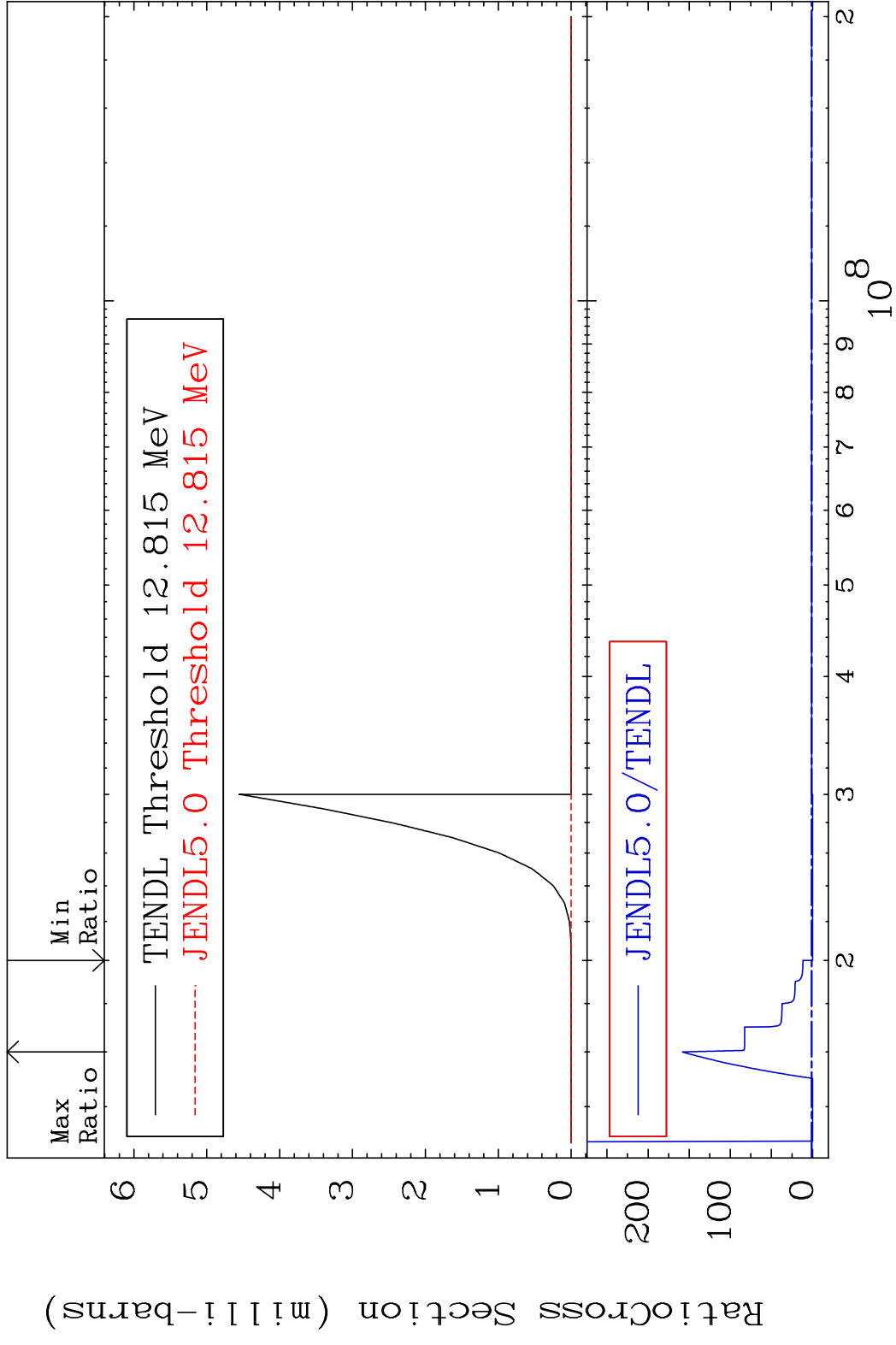
80-Hg-196

MAT 8025 (n, n') p 80-Hg-196
 Cross Section -100.0 To 6.143 %

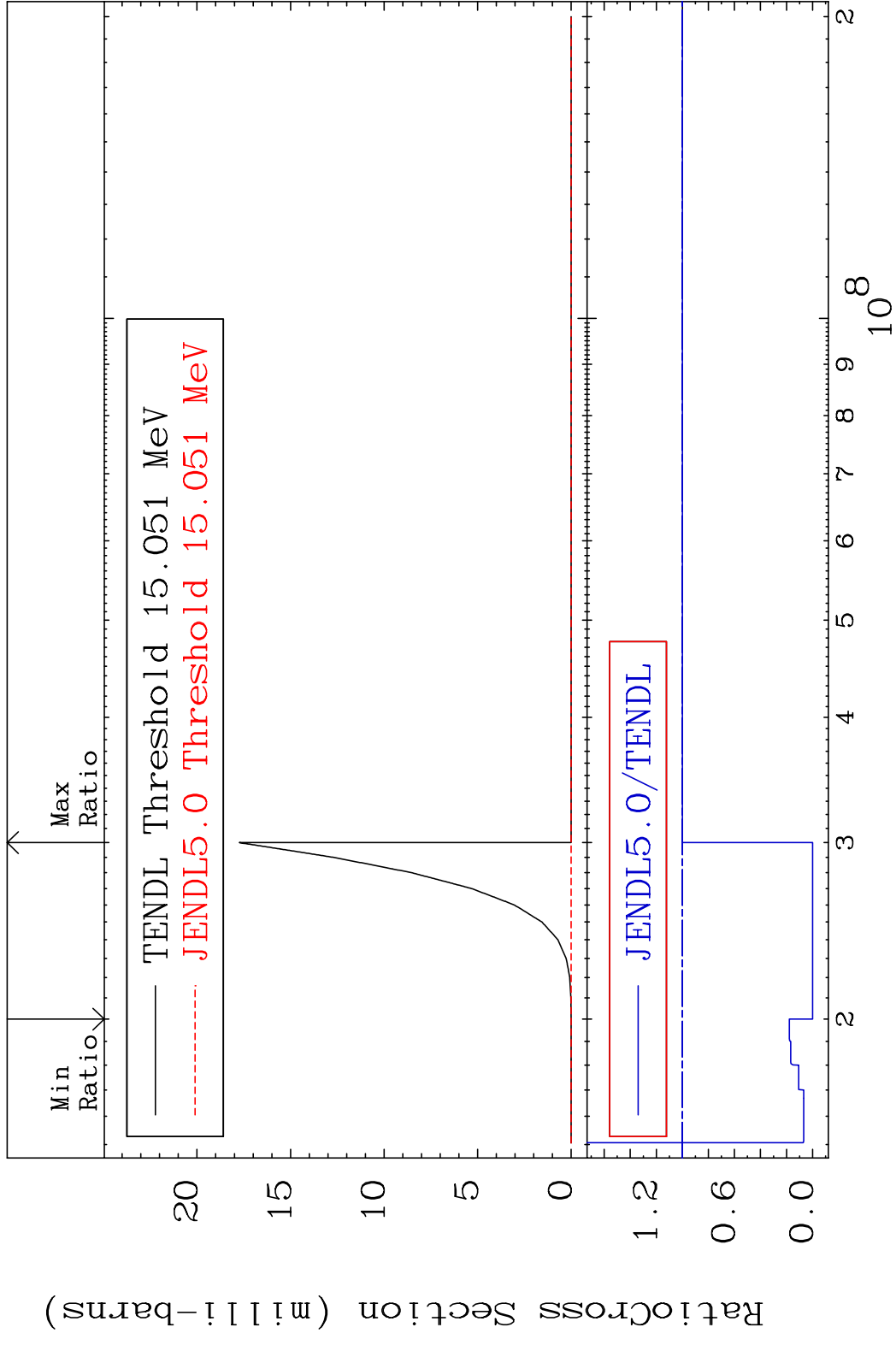


8 Incident Energy (eV) 80-Hg-196

MAT 8025 (n, n') d 80-Hg-196
 Cross Section -100.0 To 9999. %

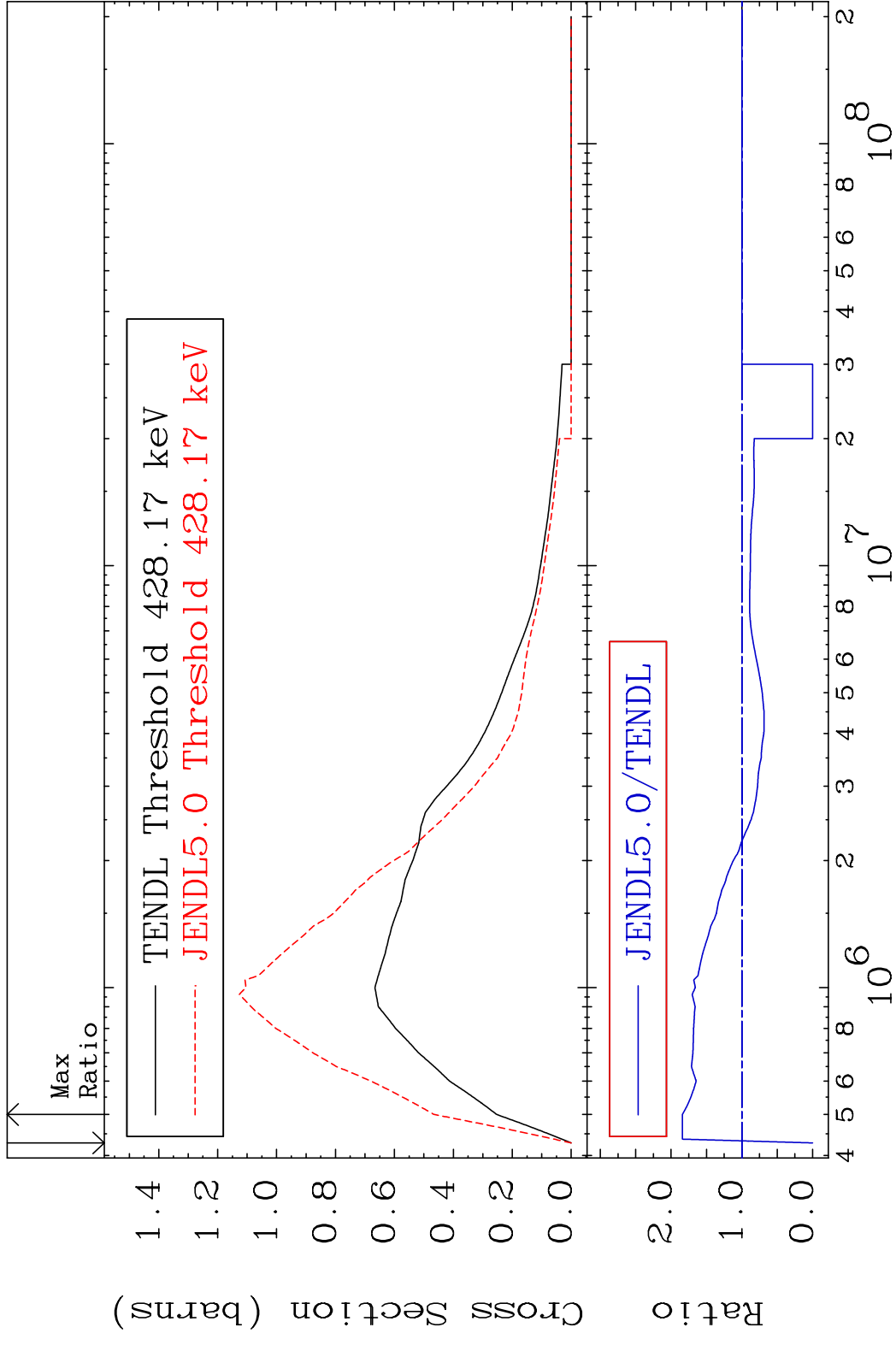


MAT 8025 (n,2n) p 80-Hg-196
 Cross Section -100.0 To 0.000 %

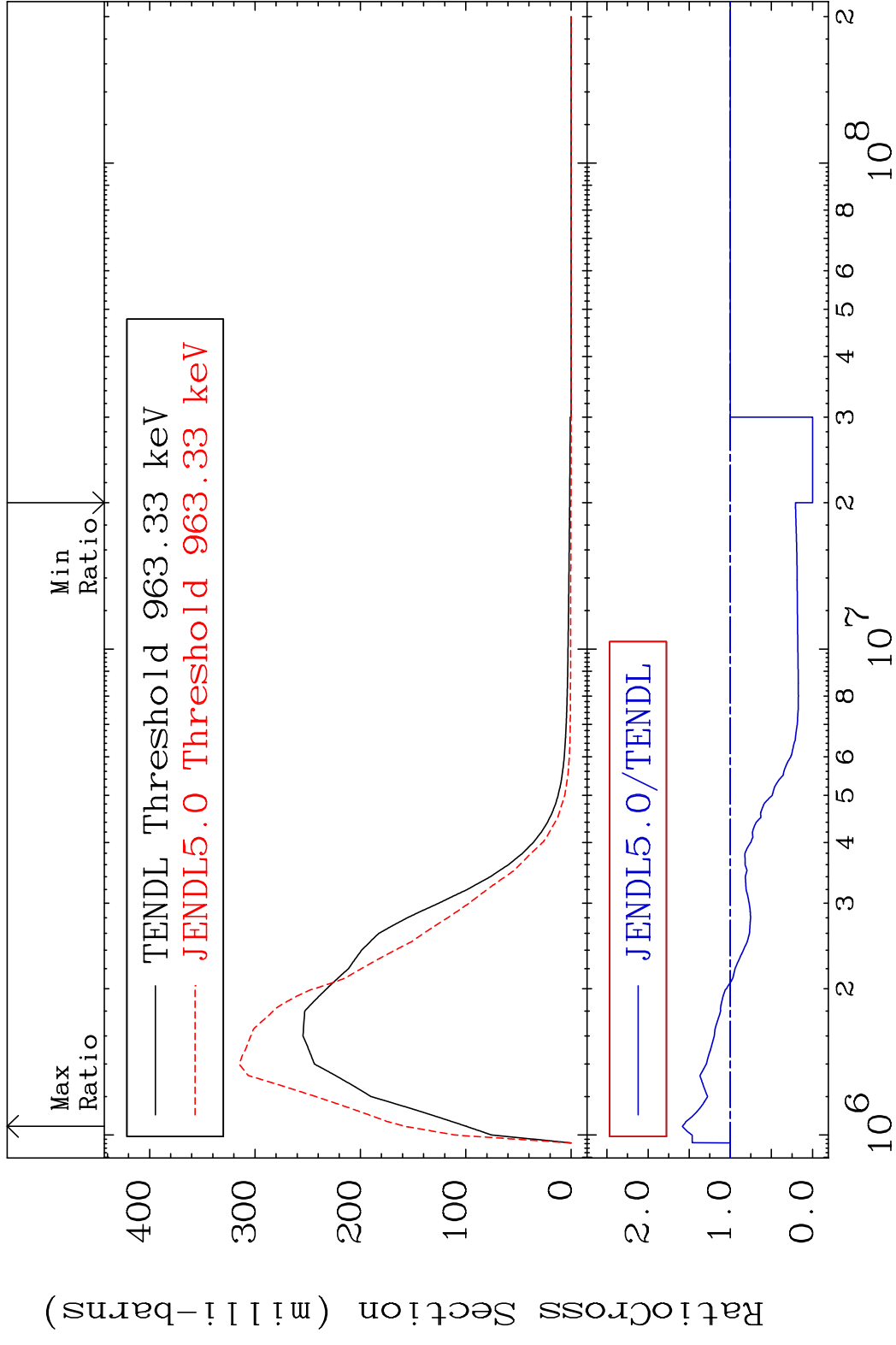


10 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 51 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 84.07 %

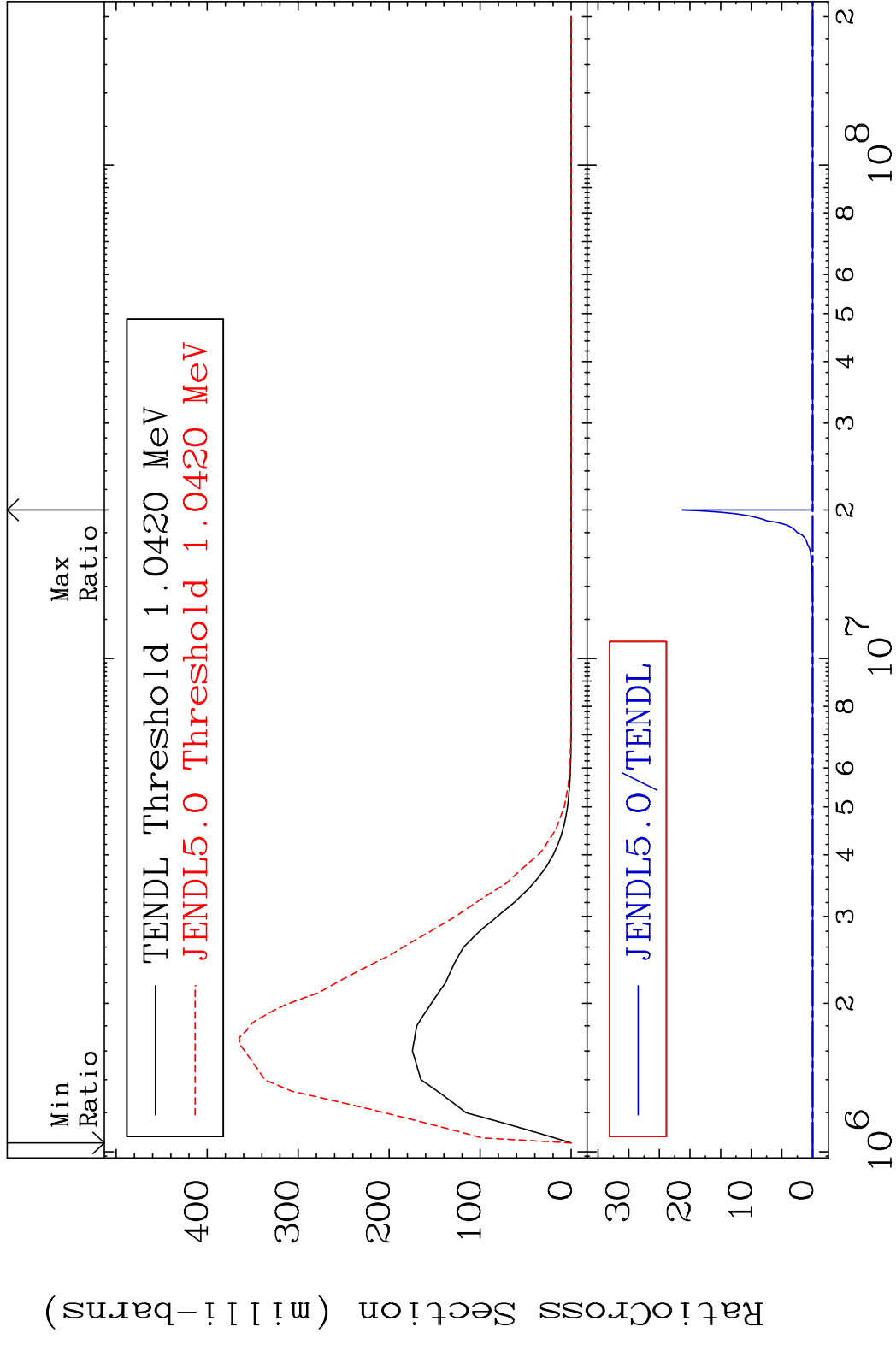


MAT 8025 MT= 52 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 58.34 %



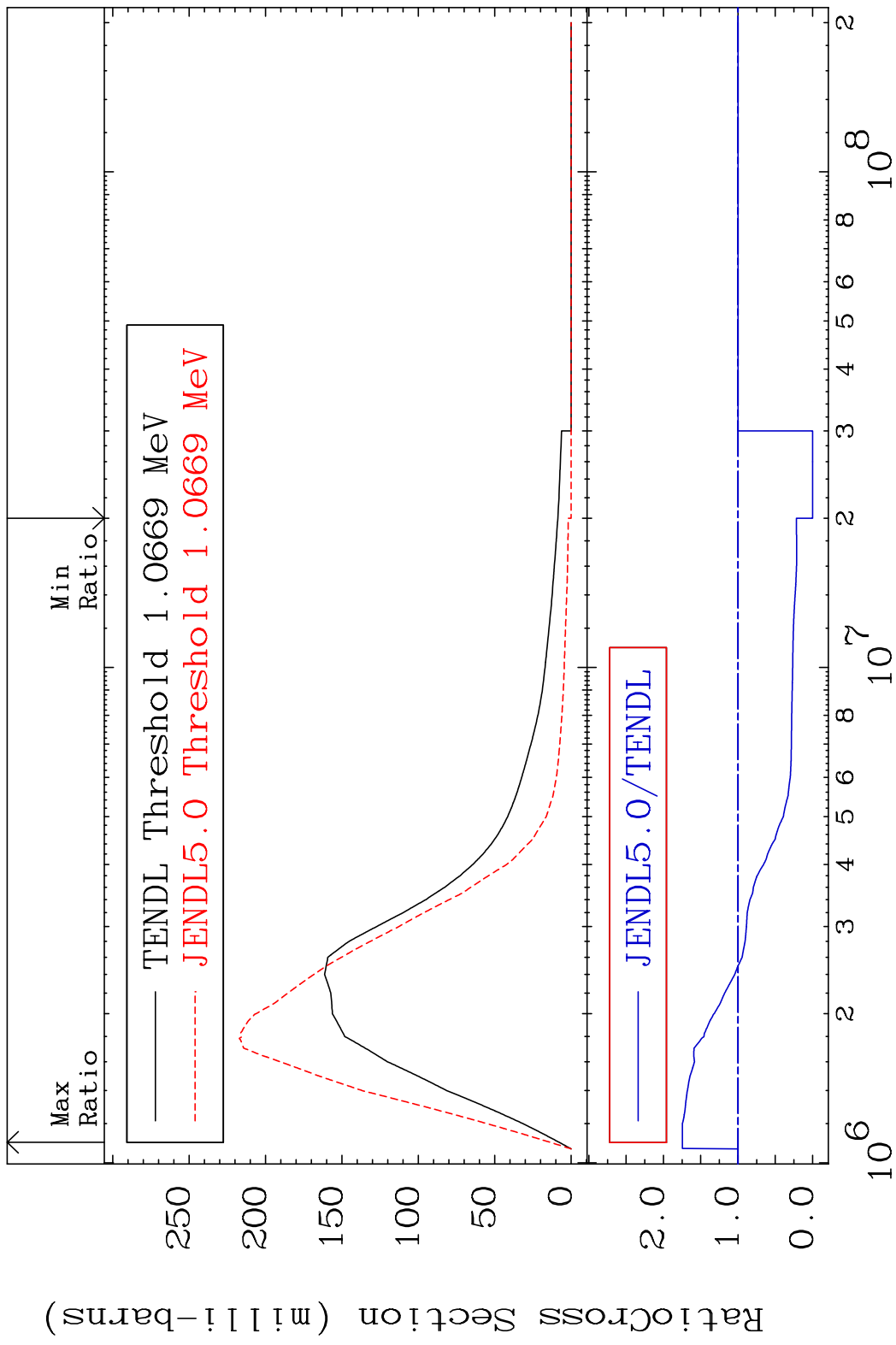
12 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 53 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %

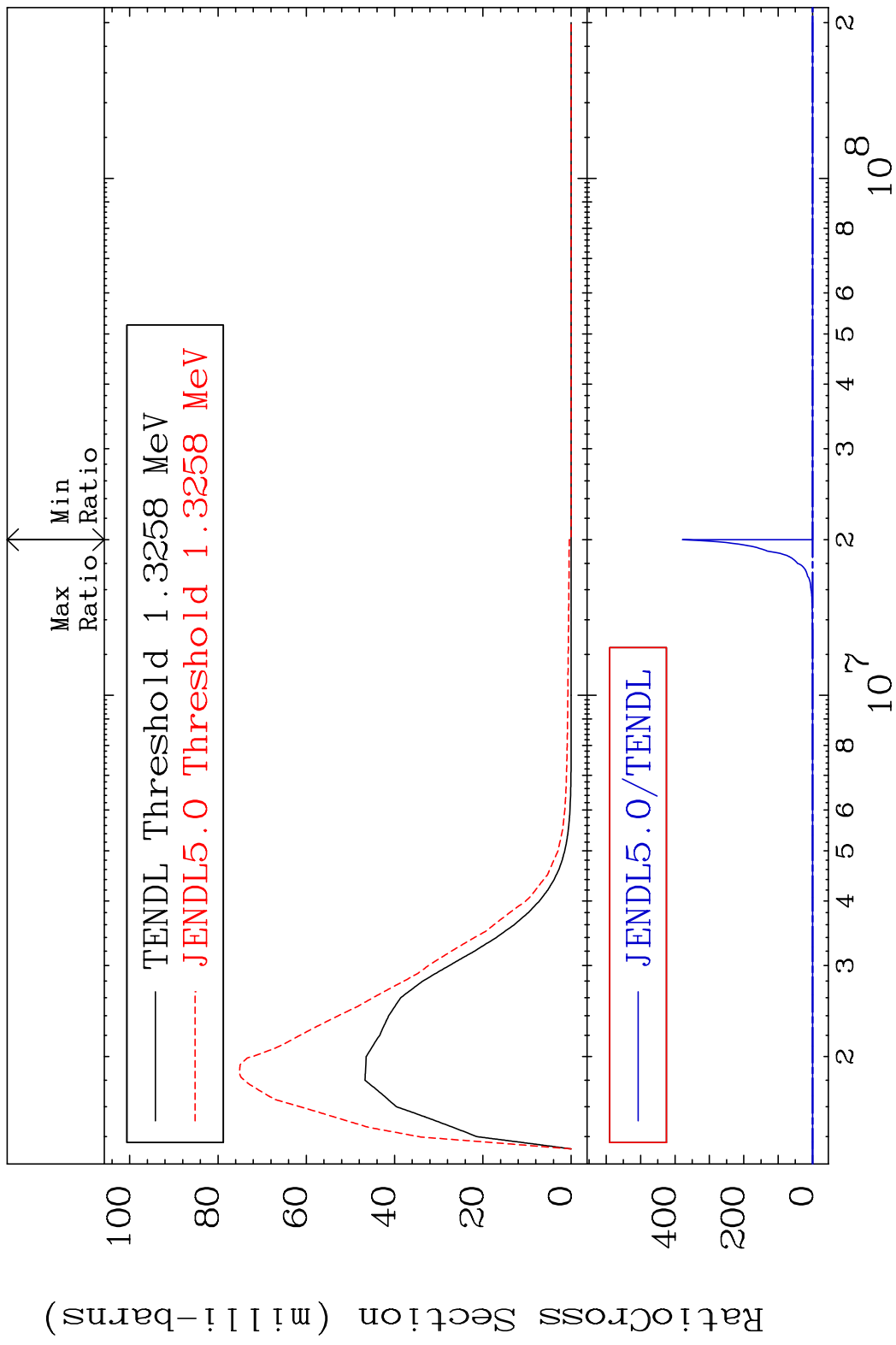


13 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 54 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 74.61 %

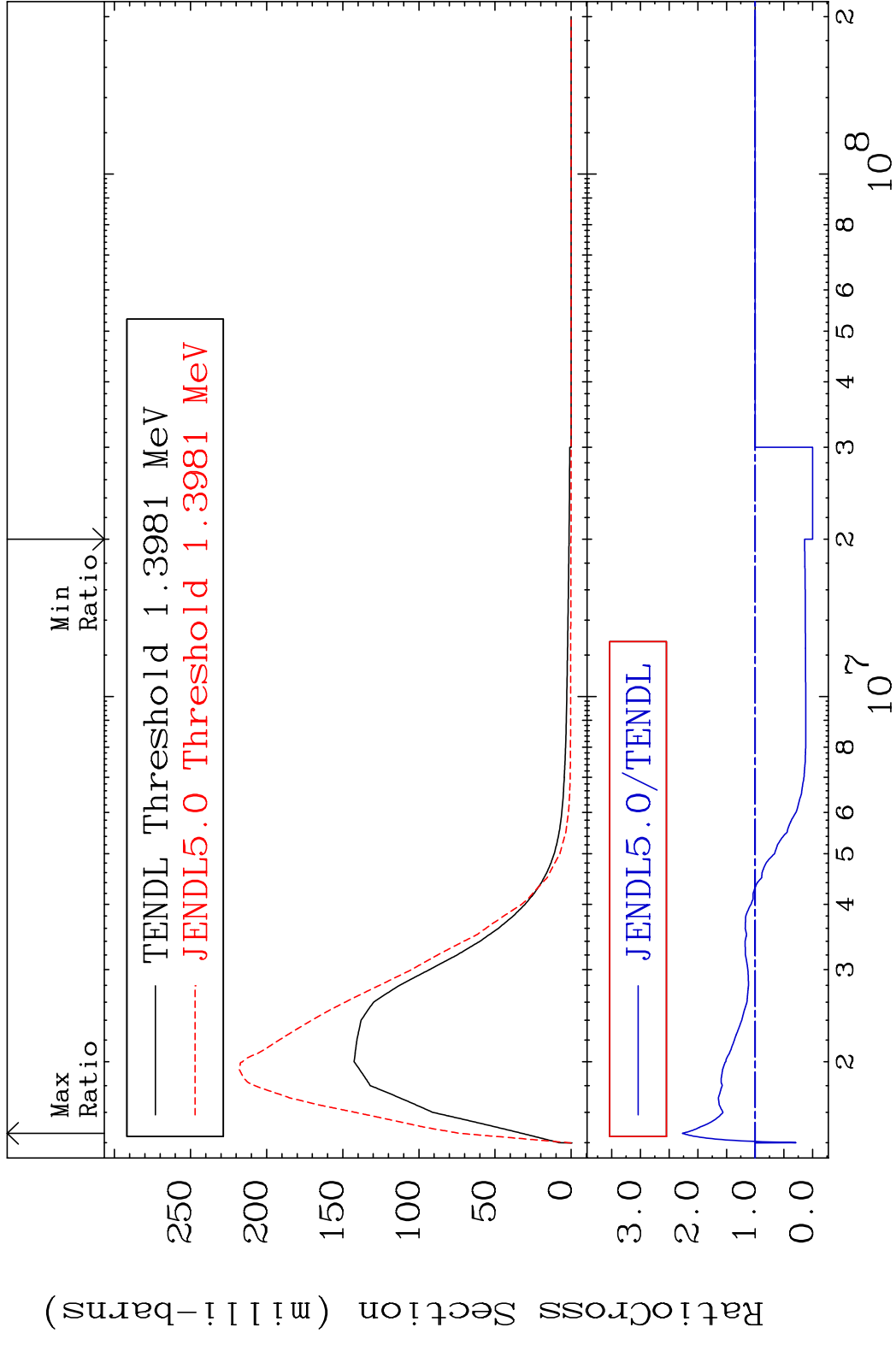


MAT 8025 MT= 55 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %

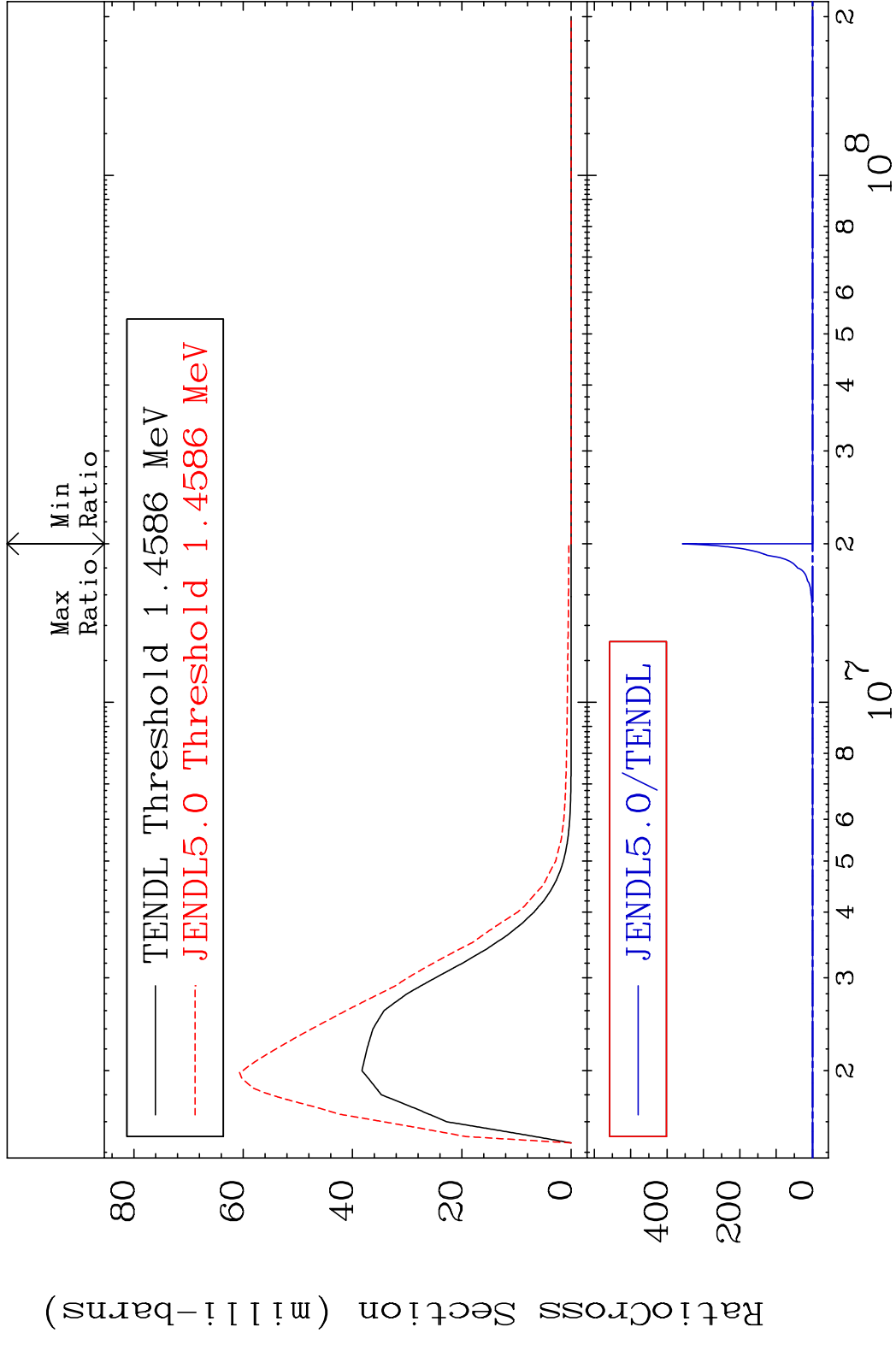


15 Incident Energy (eV) 80-Hg-196

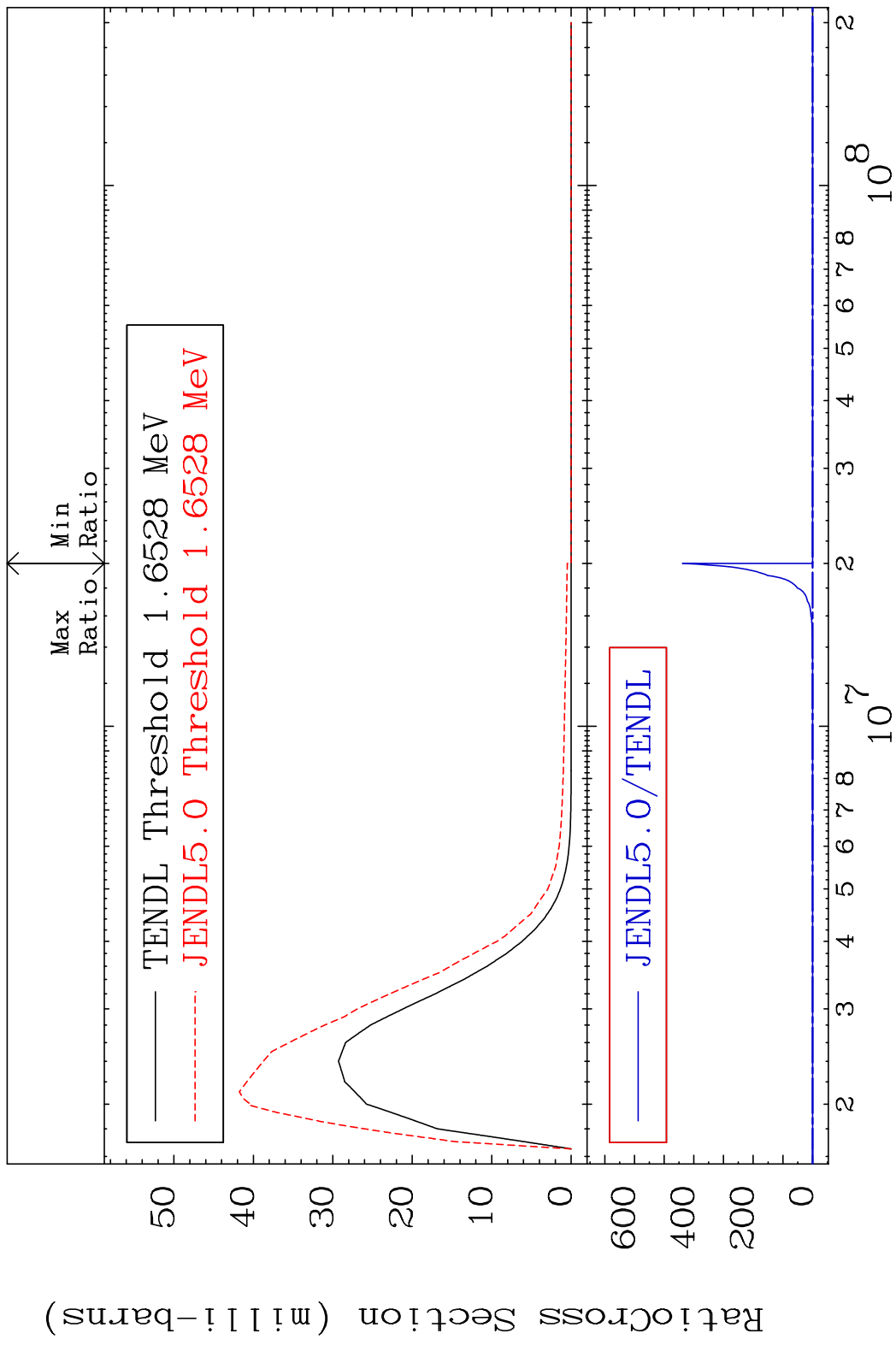
MAT 8025 MT= 56 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 127.0 %



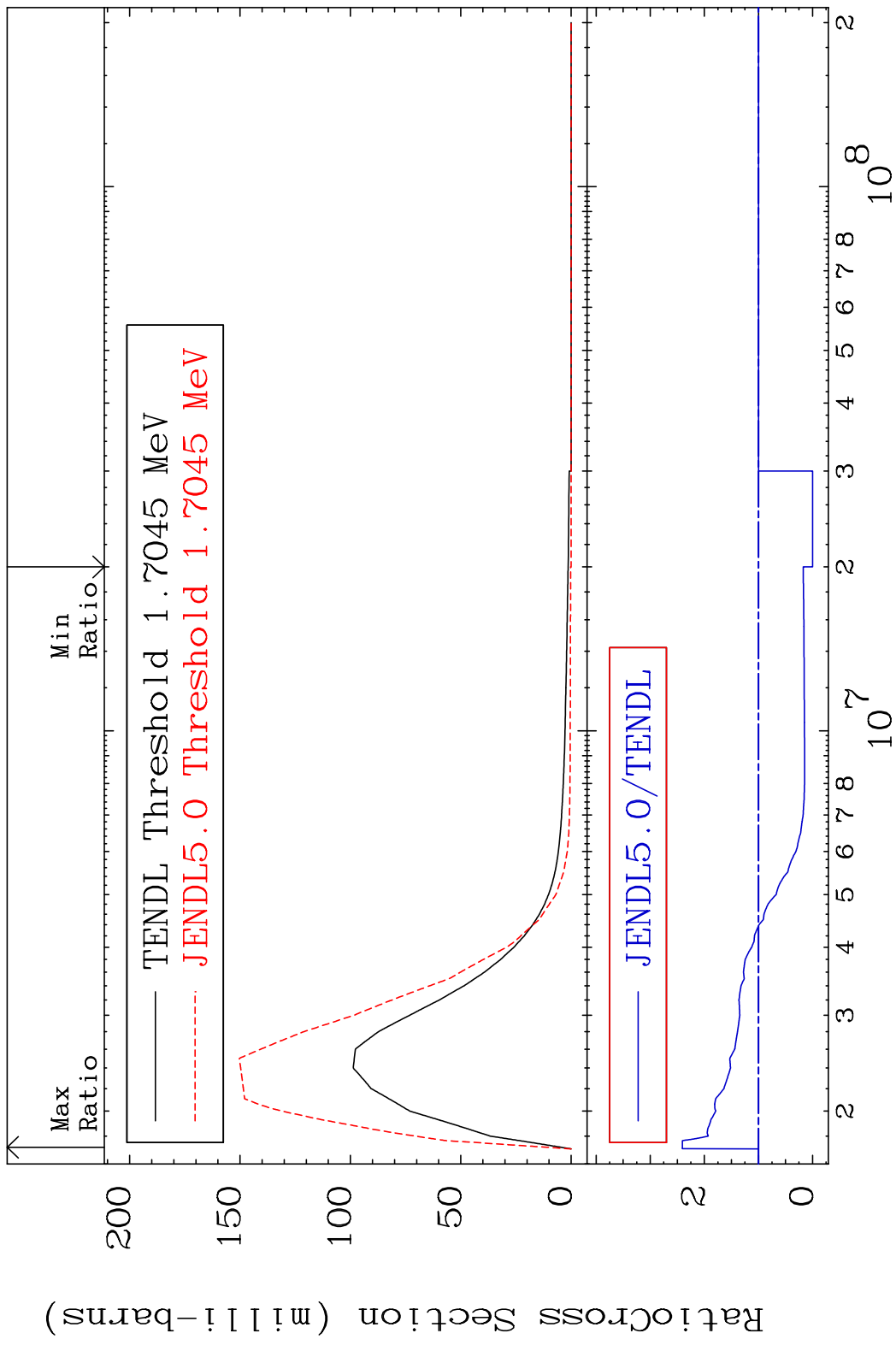
MAT 8025 MT= 57 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



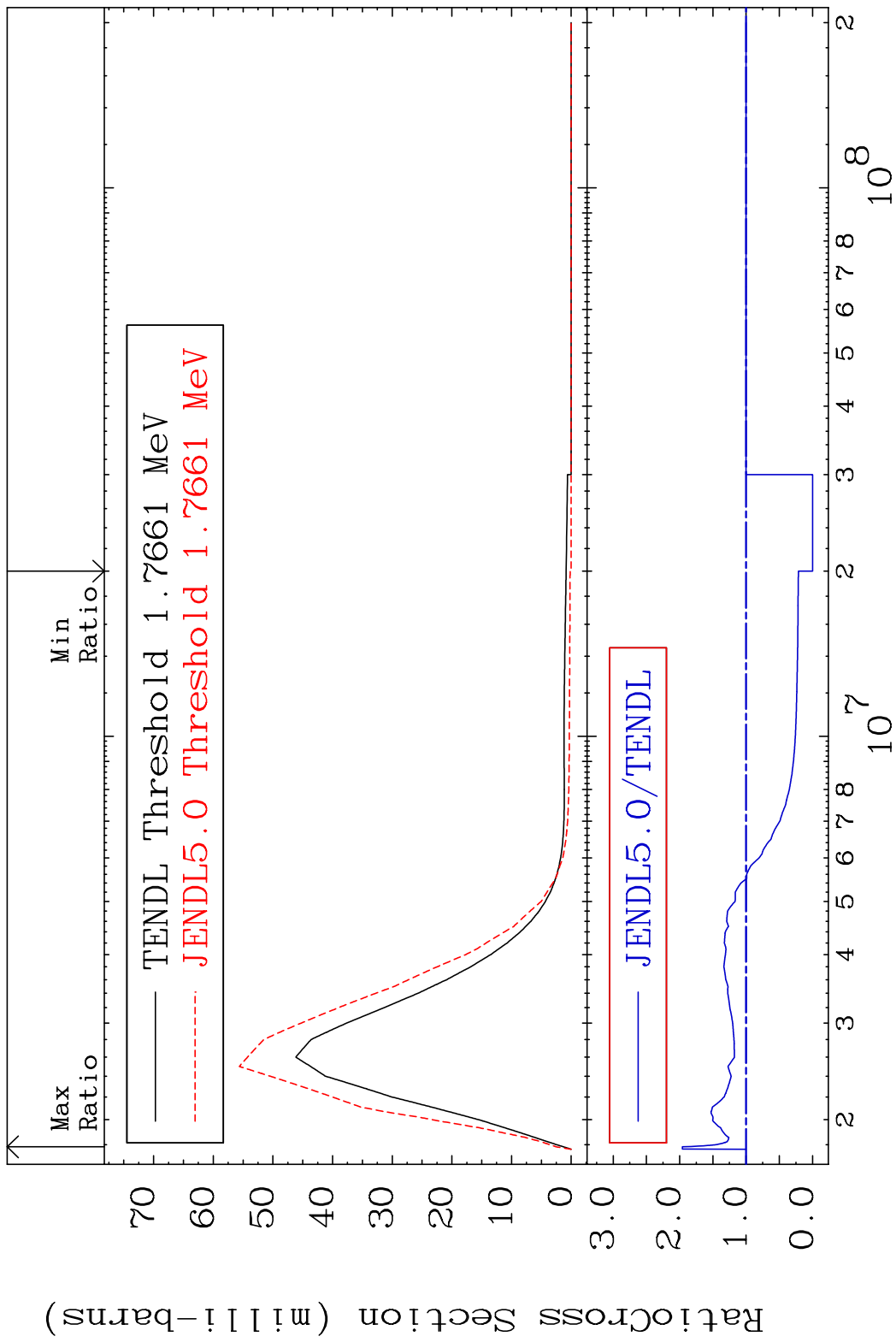
MAT 8025 MT= 58 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



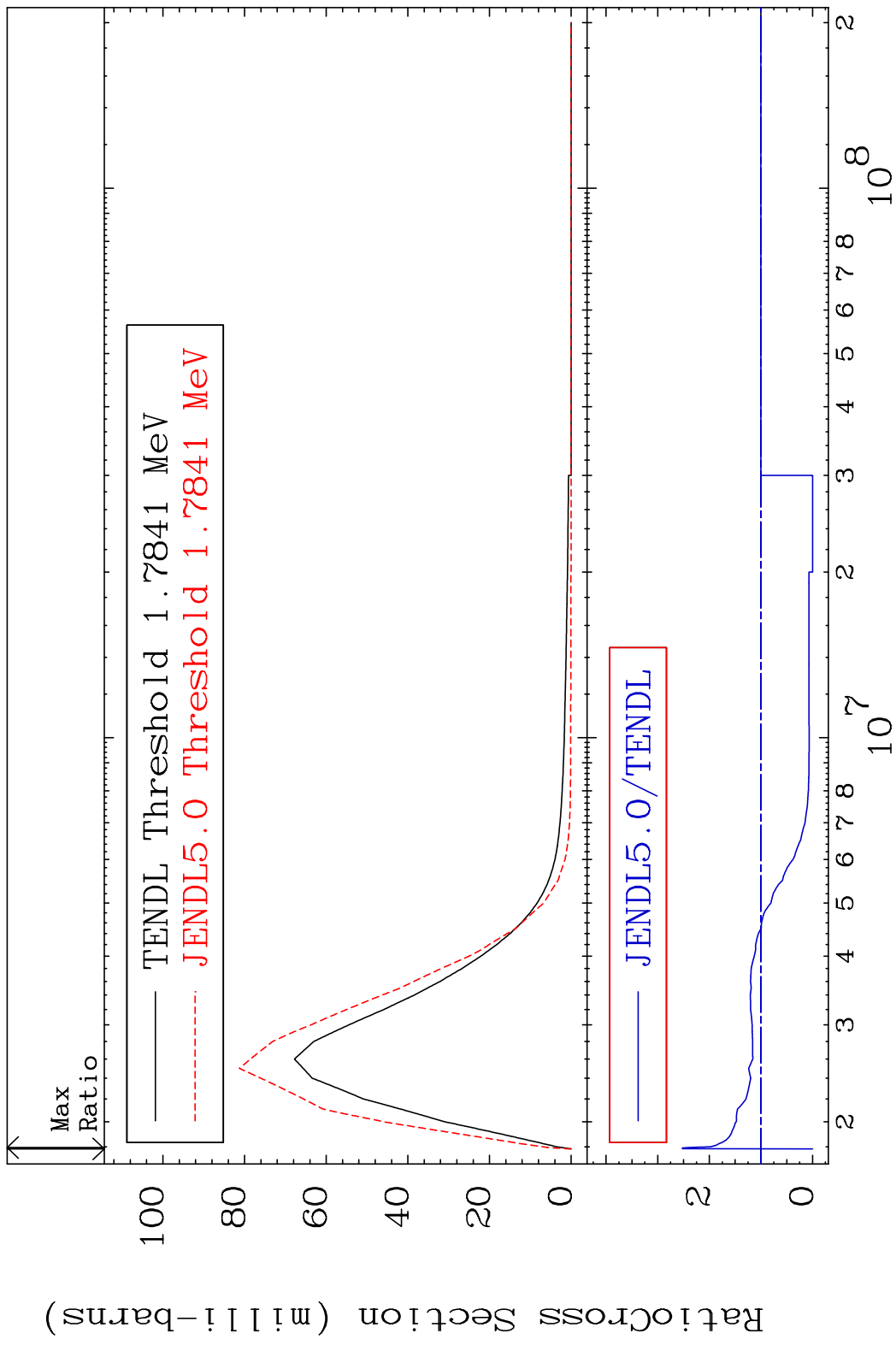
MAT 8025 MT= 59 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 140.6 %



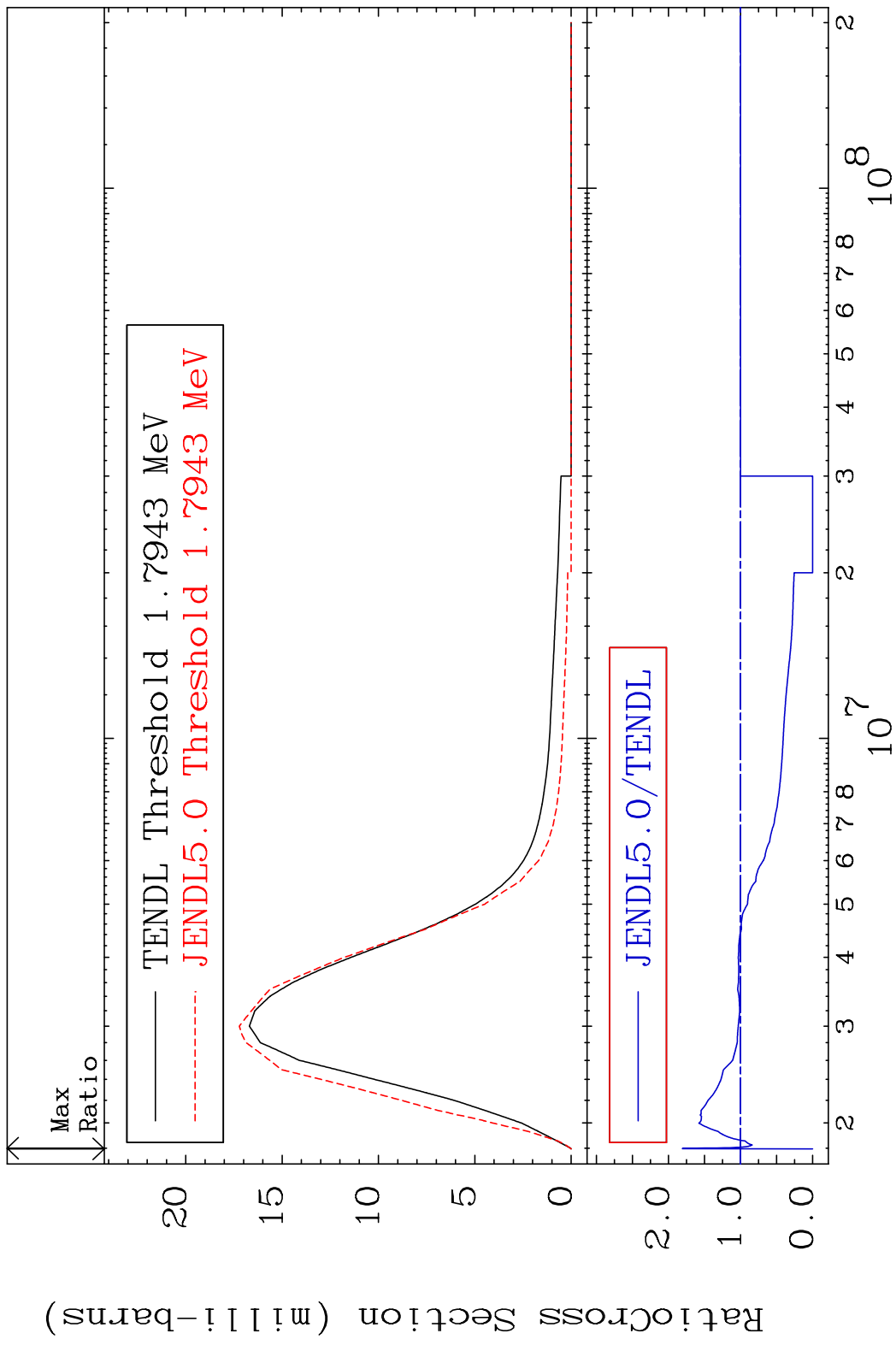
MAT 8025 MT= 60 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 95.91 %



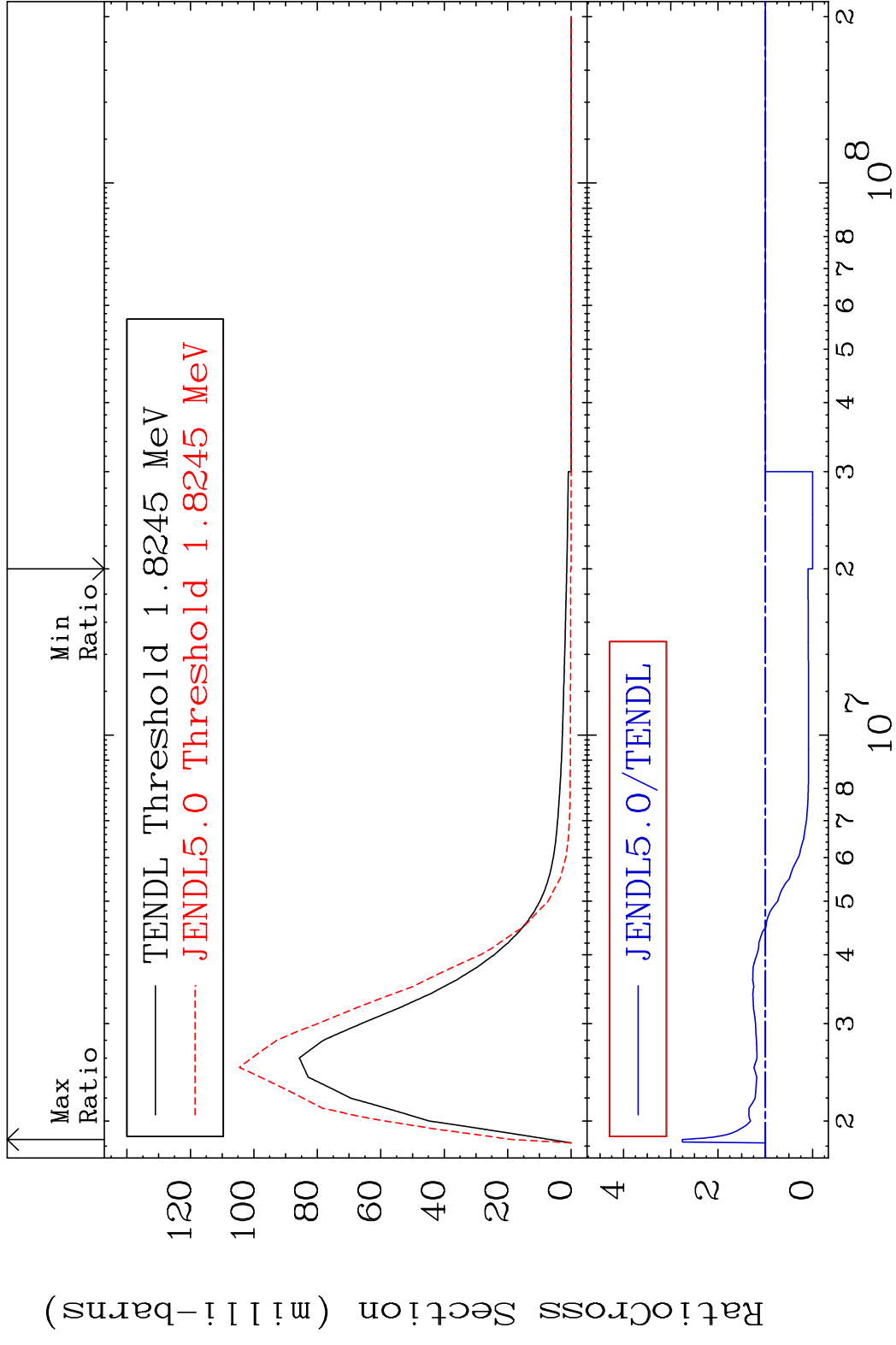
MAT 8025 MT= 61 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 152.3 %



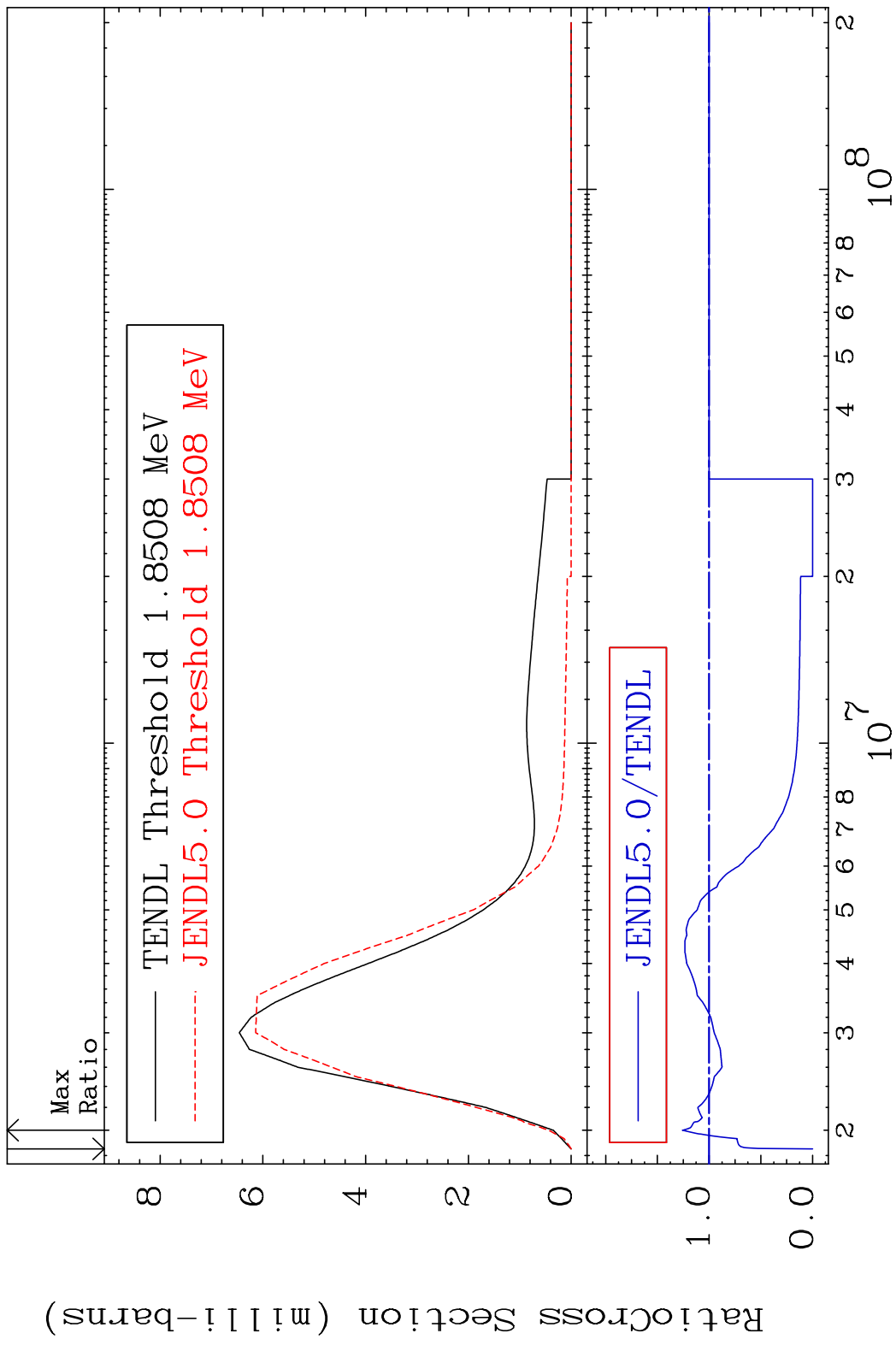
MAT 8025 MT= 62 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 80.70 %



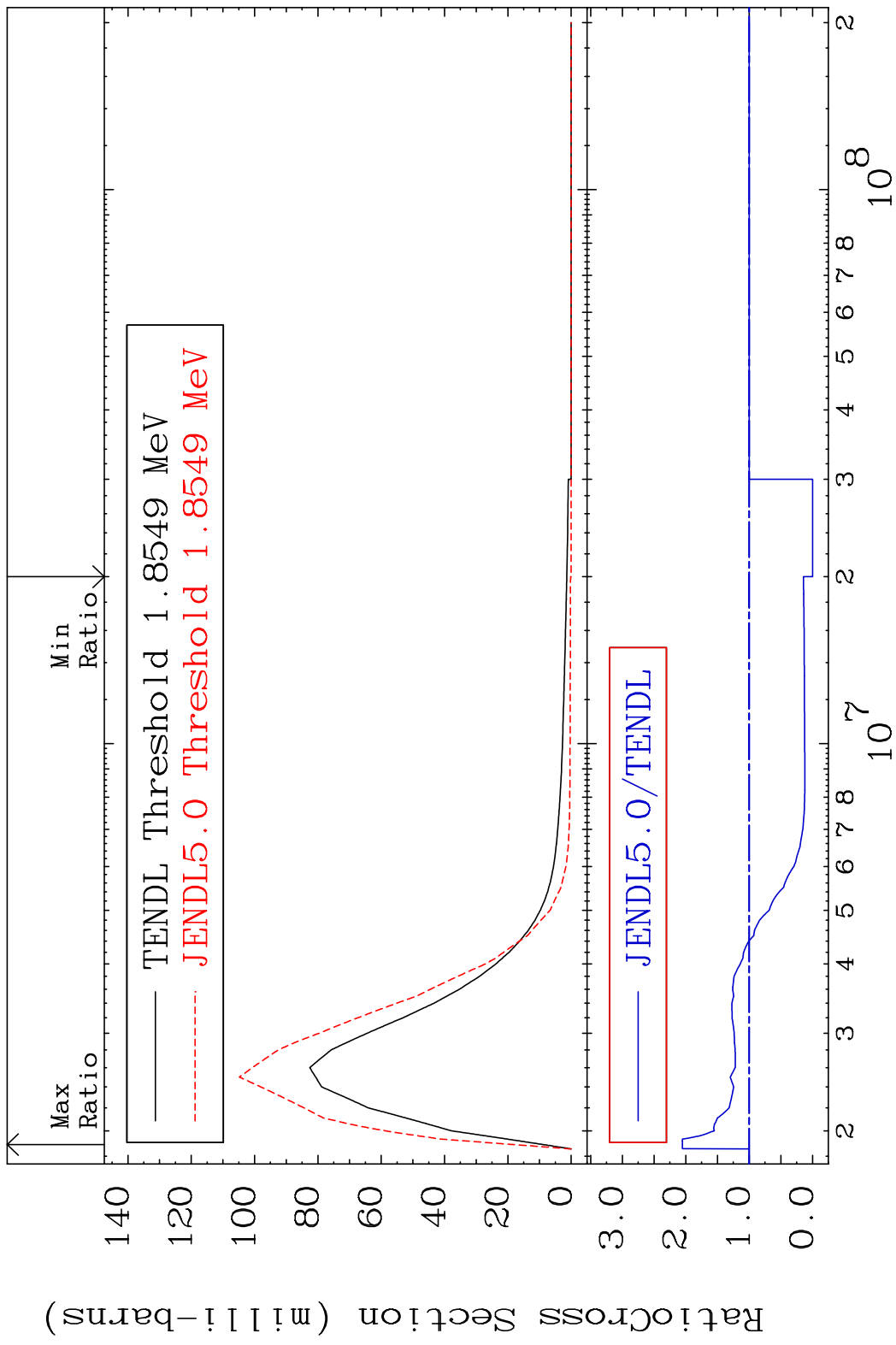
MAT 8025 MT= 63 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 175.6 %



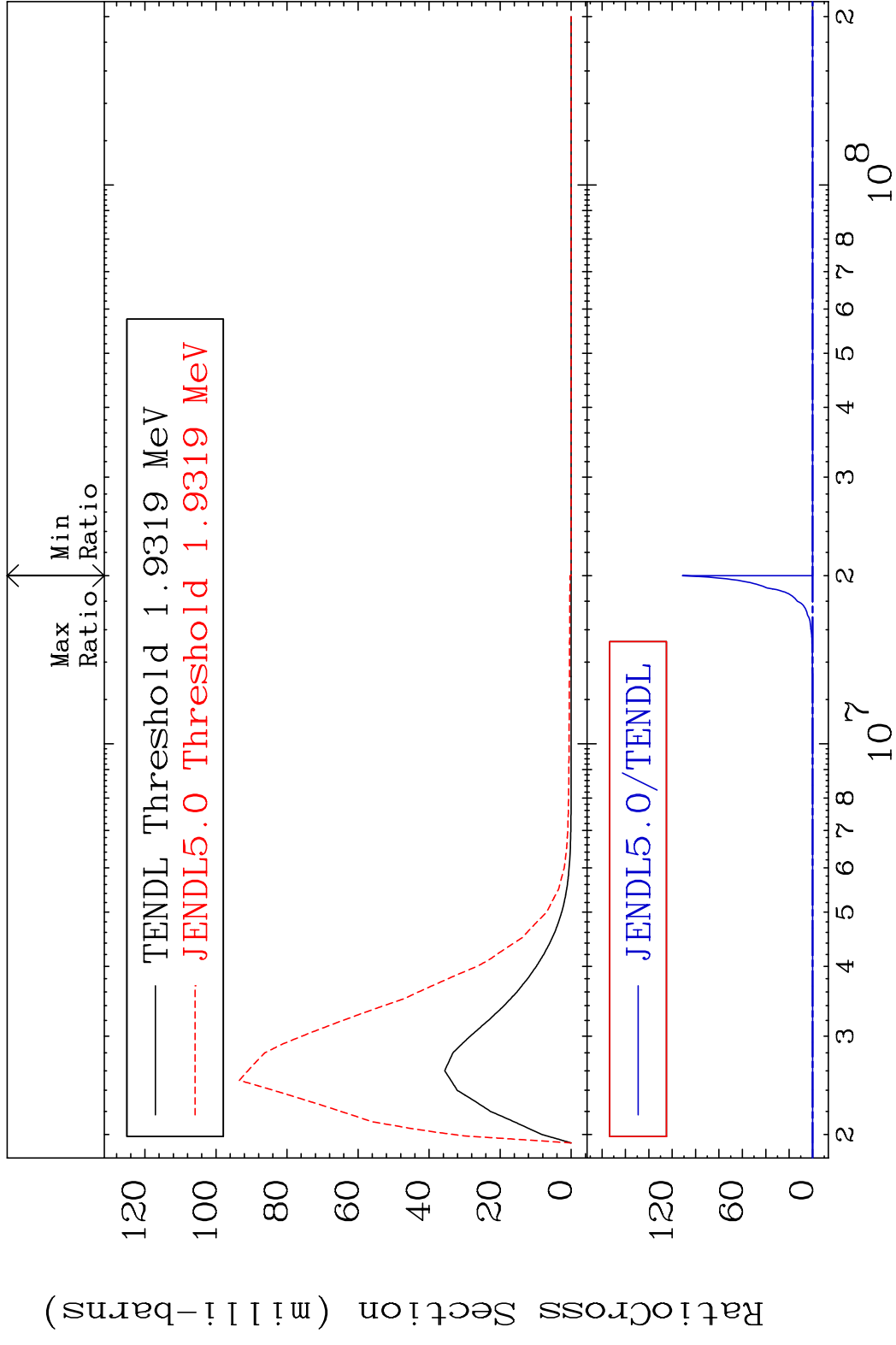
MAT 8025 MT= 64 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 25.86 %



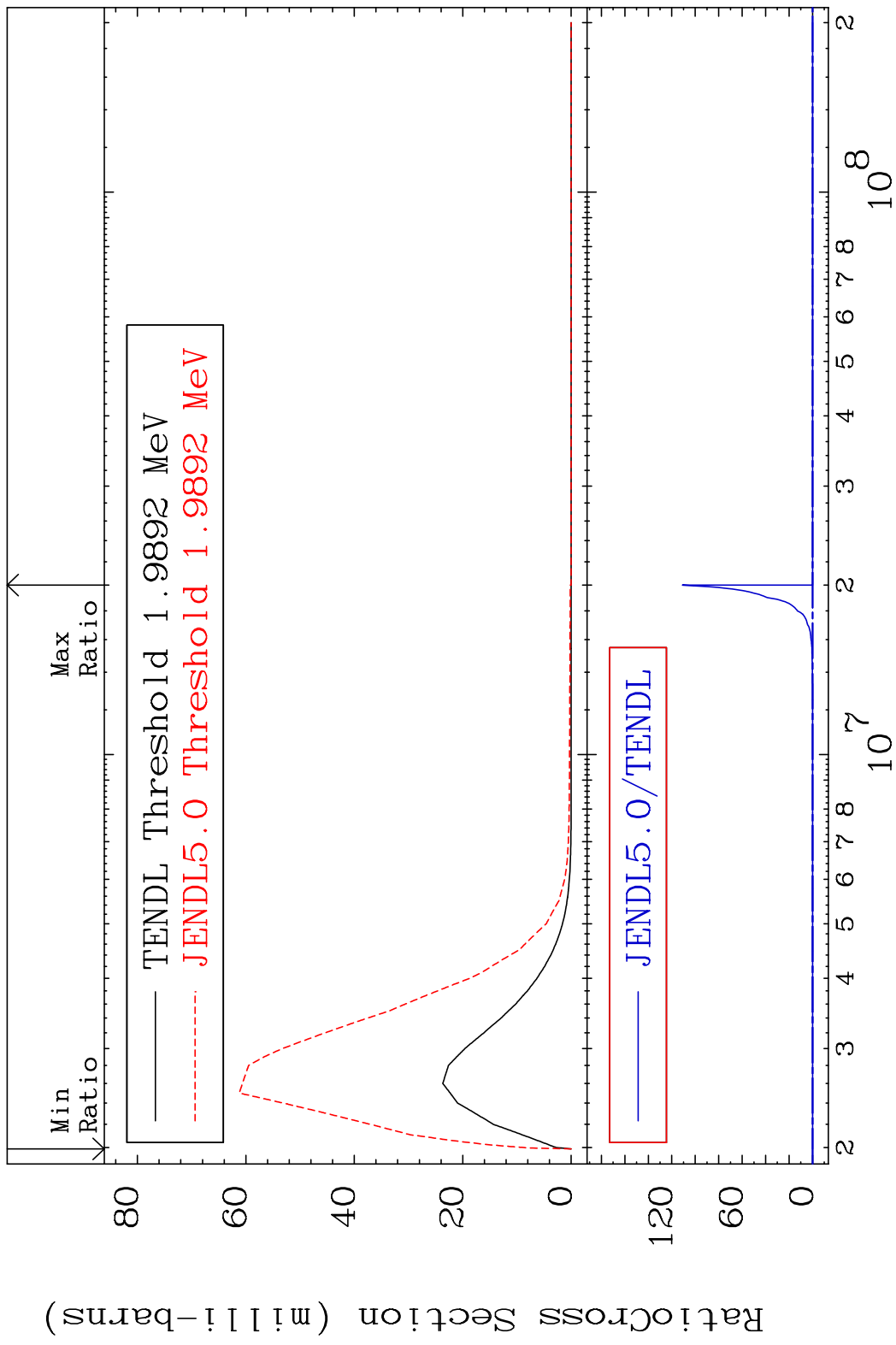
MAT 8025 MT= 65 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 105.3 %



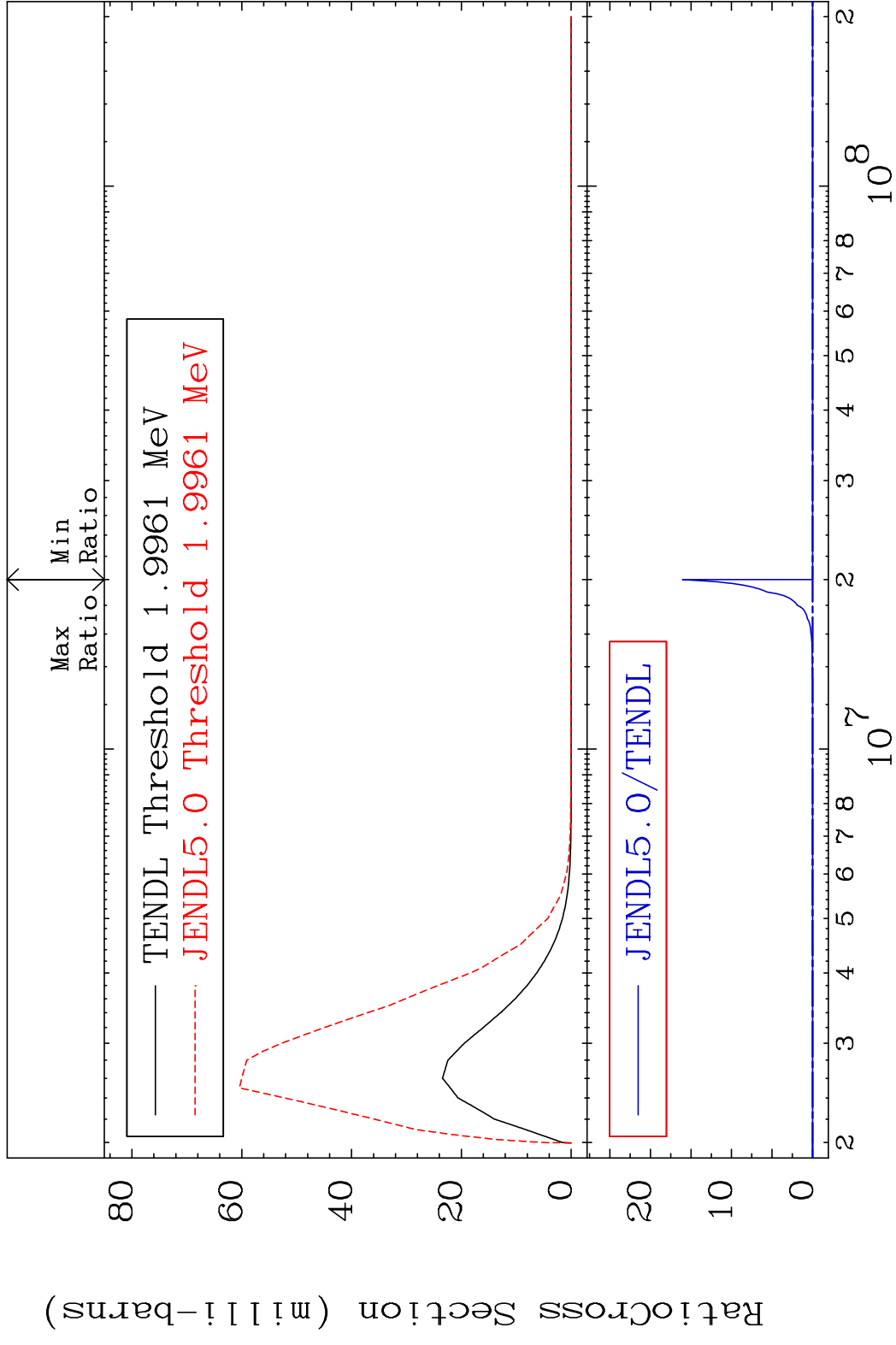
MAT 8025 MT= 66 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



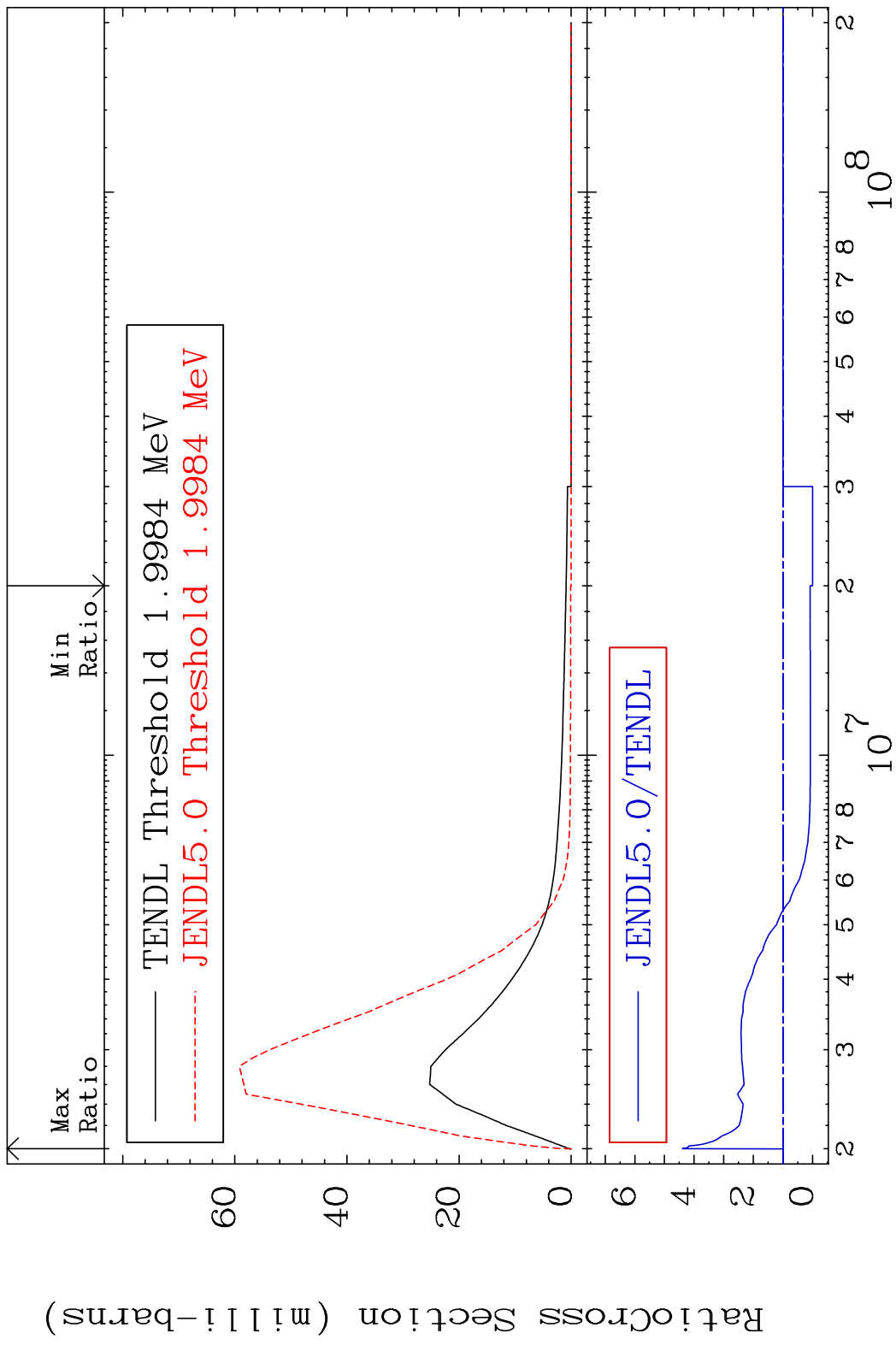
MAT 8025 MT= 67 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



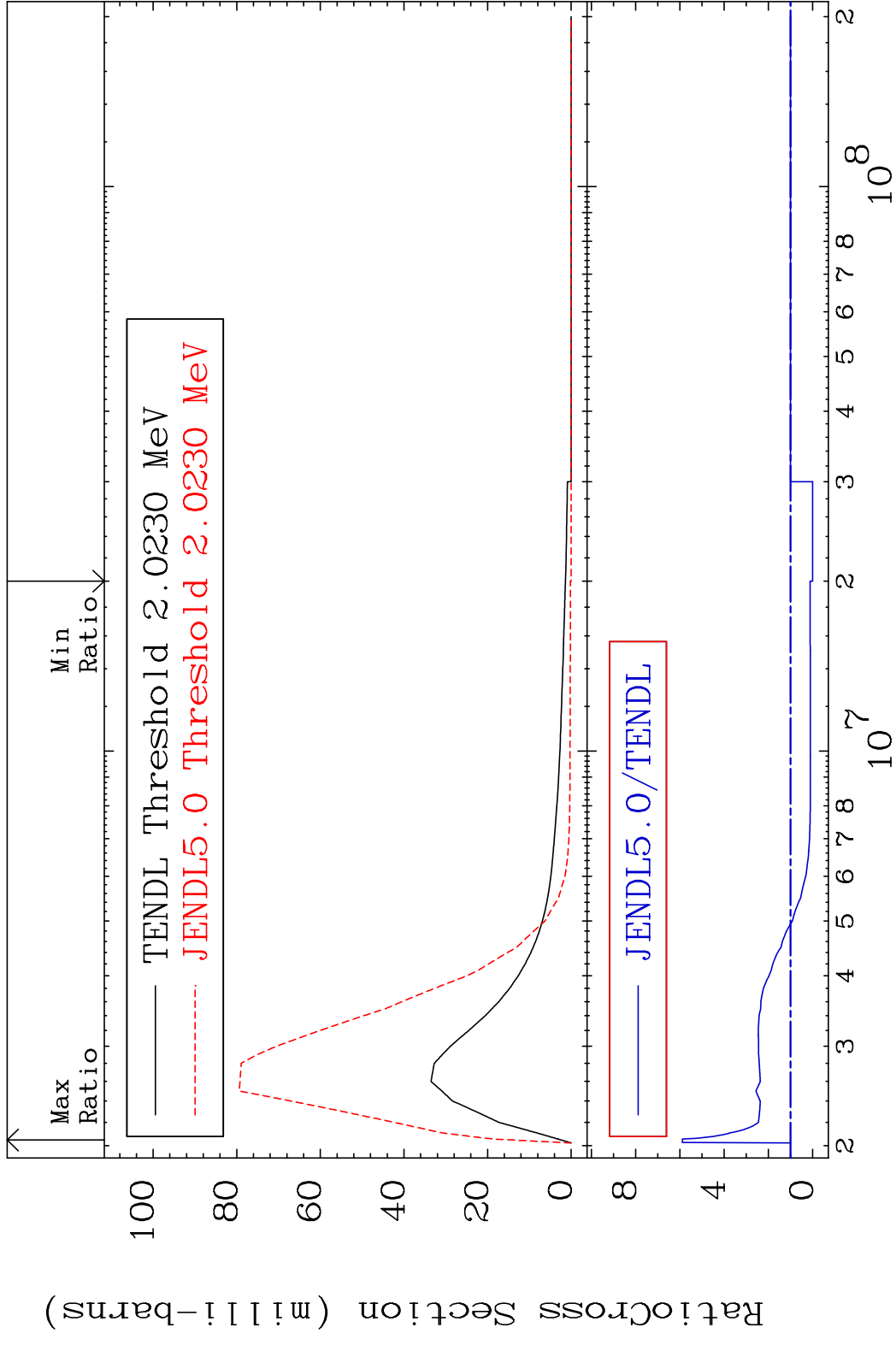
MAT 8025 MT= 68 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



MAT 8025 MT= 69 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 339.6 %

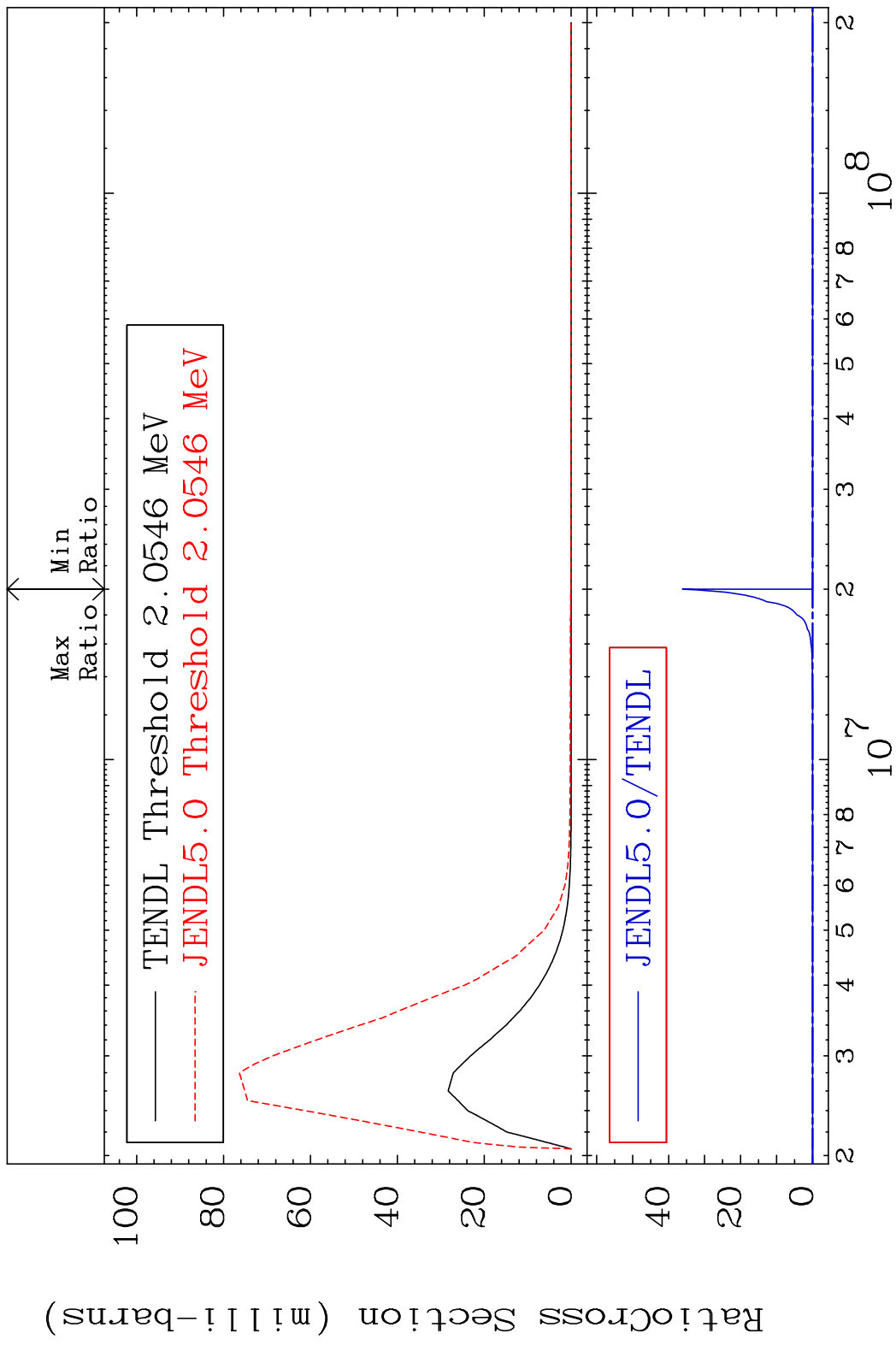


MAT 8025 MT= 70 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 488.5 %

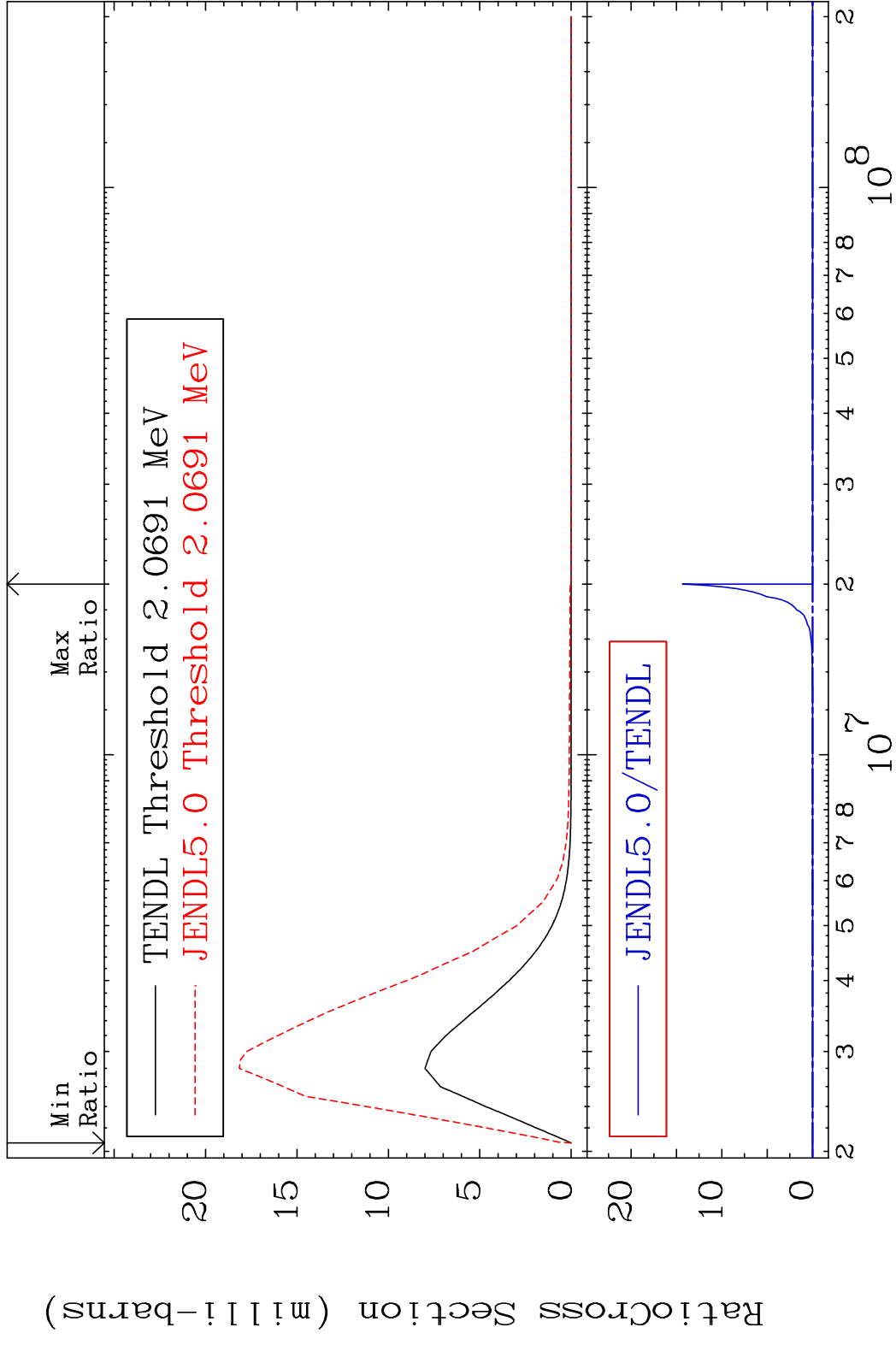


30 Incident Energy (eV) 80-Hg-196

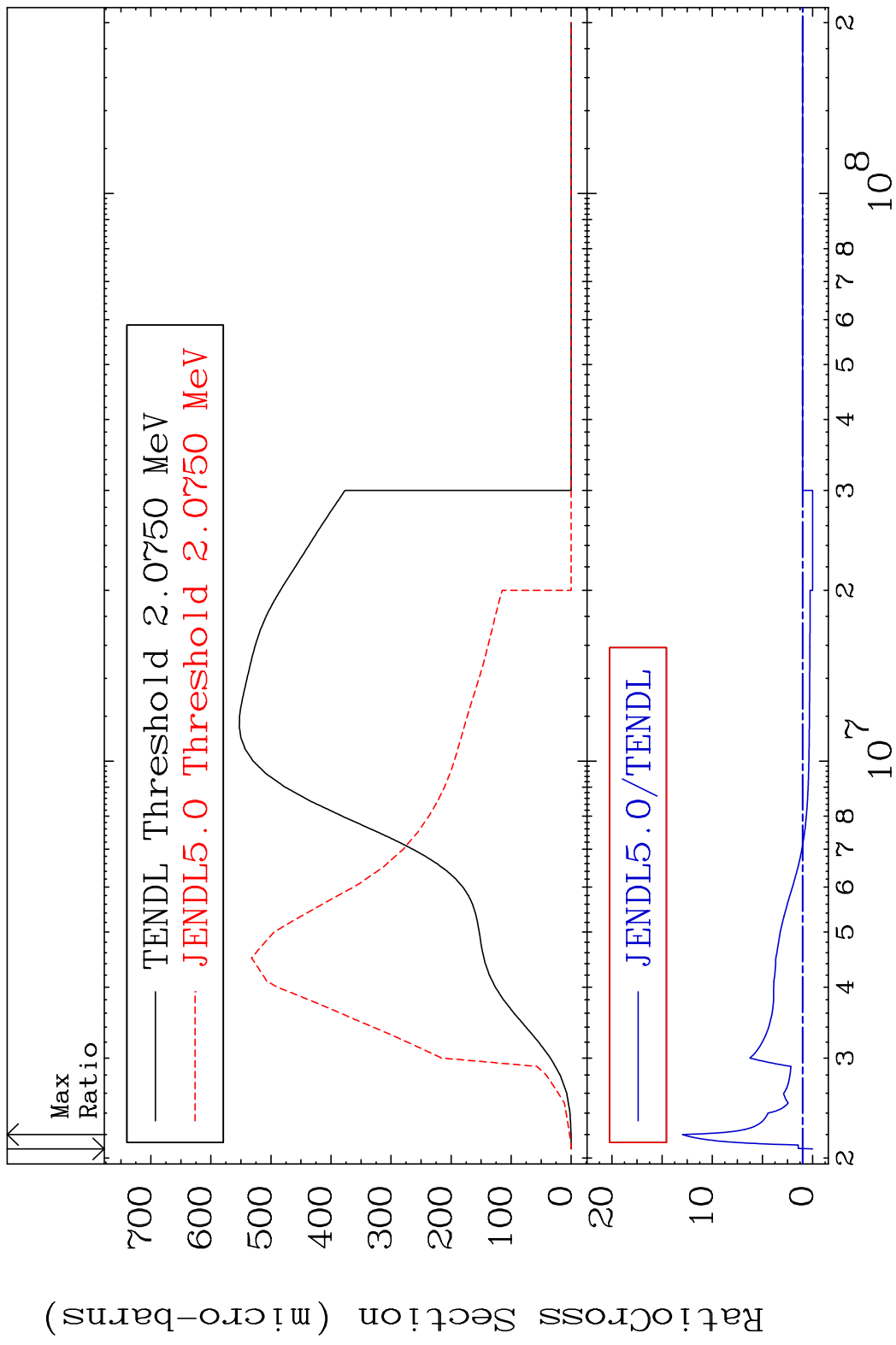
MAT 8025 MT= 71 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



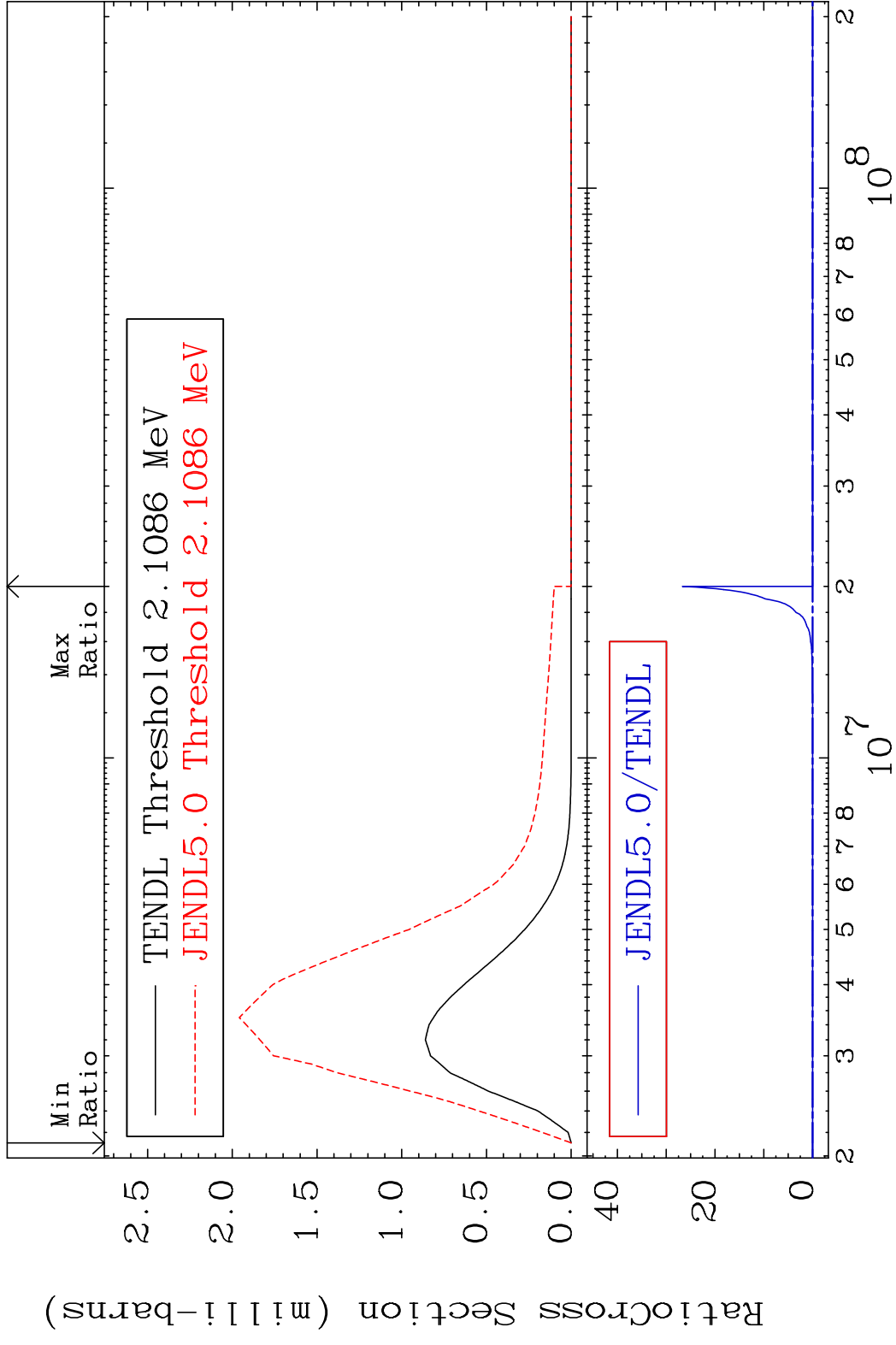
MAT 8025 MT= 72 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %



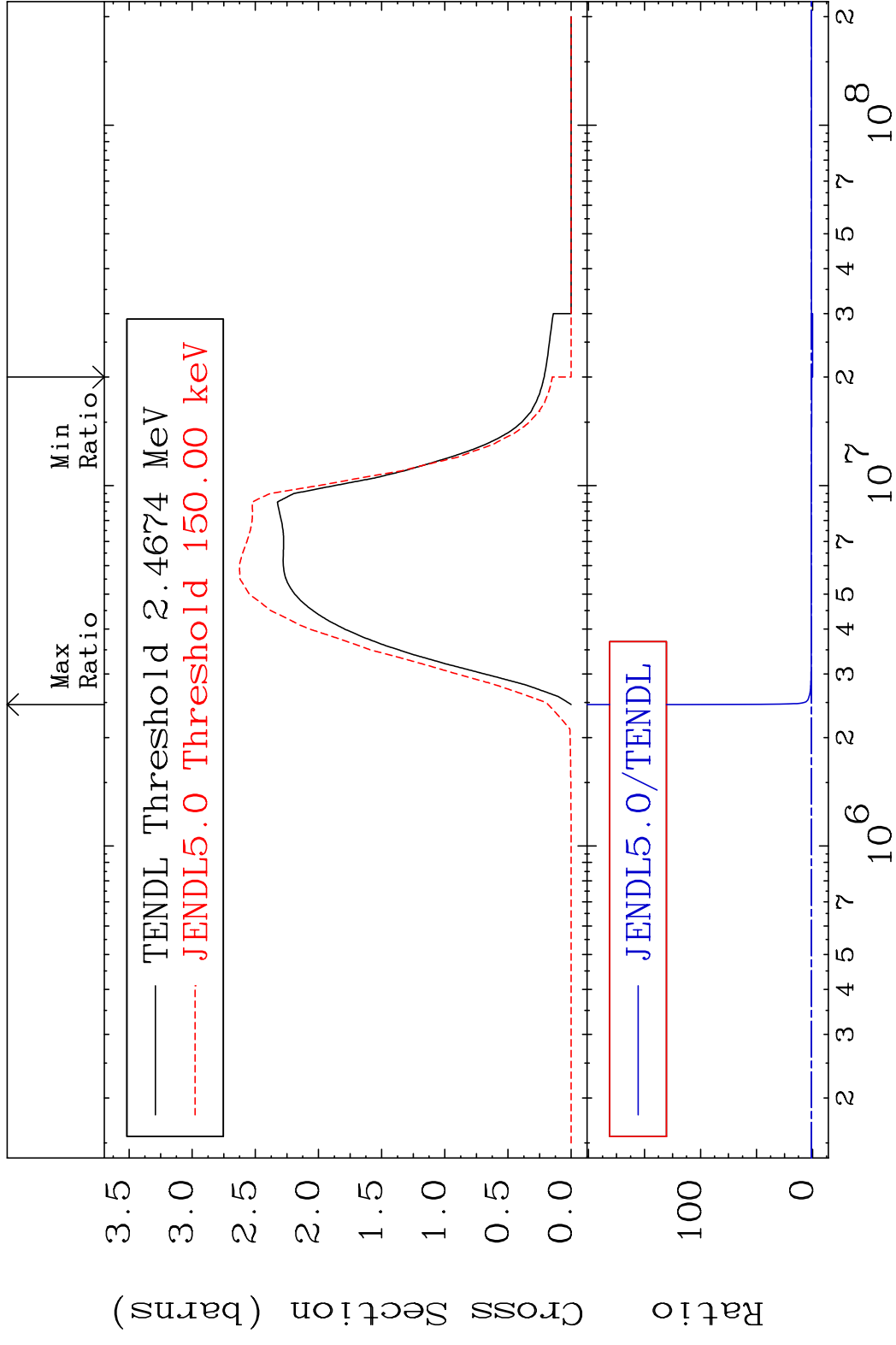
MAT 8025 MT= 73 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 1198. %



MAT 8025 MT= 74 (n, n') Level 80-Hg-196
 Cross Section -100.0 To 9999. %

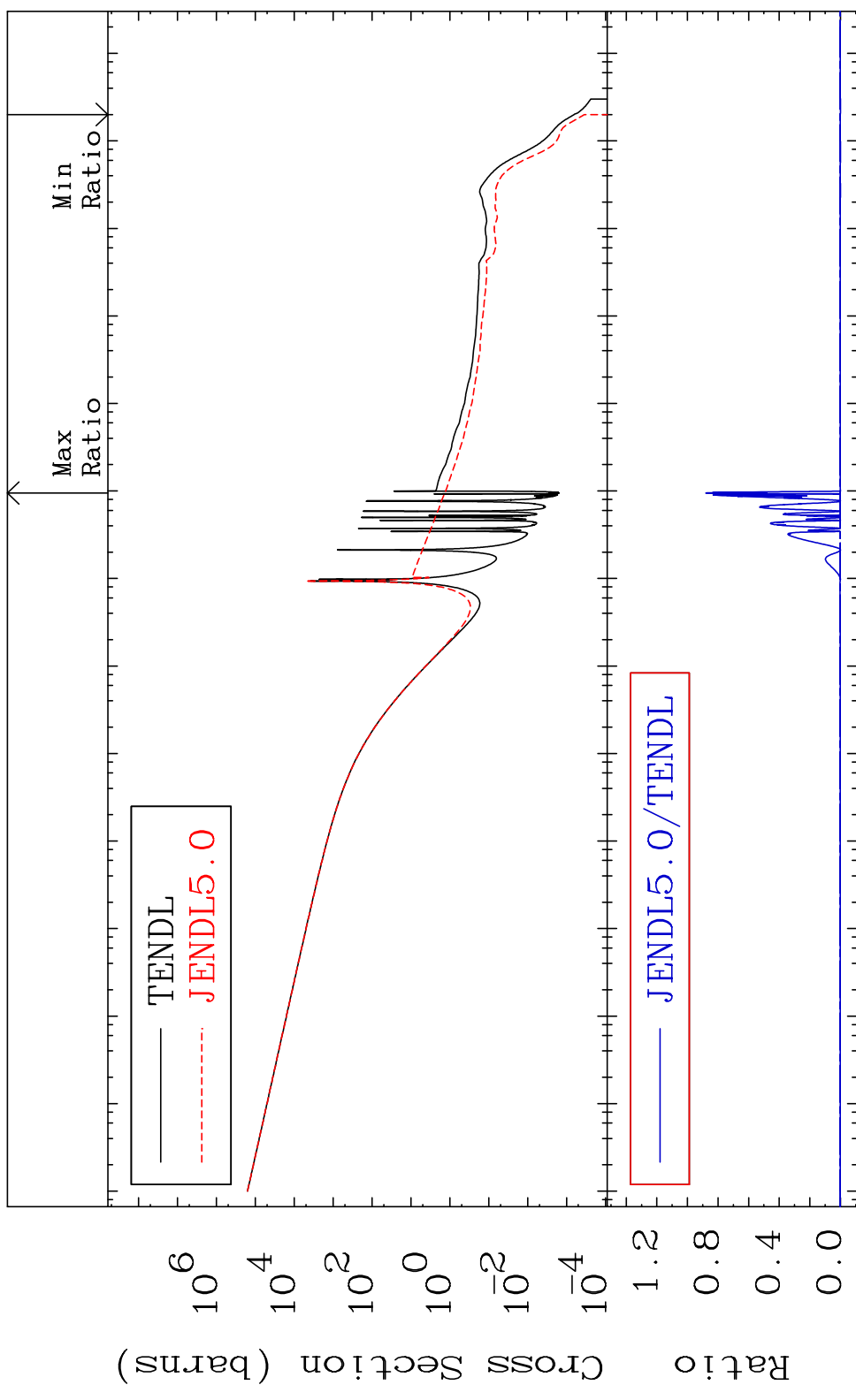


MAT 8025 (n, n') Continuum 80-Hg-196
 Cross Section -100.0 To 9999. %



MAT 8025

(n, γ)
Cross Section -100.0 To 9999. %
80-Hg-196

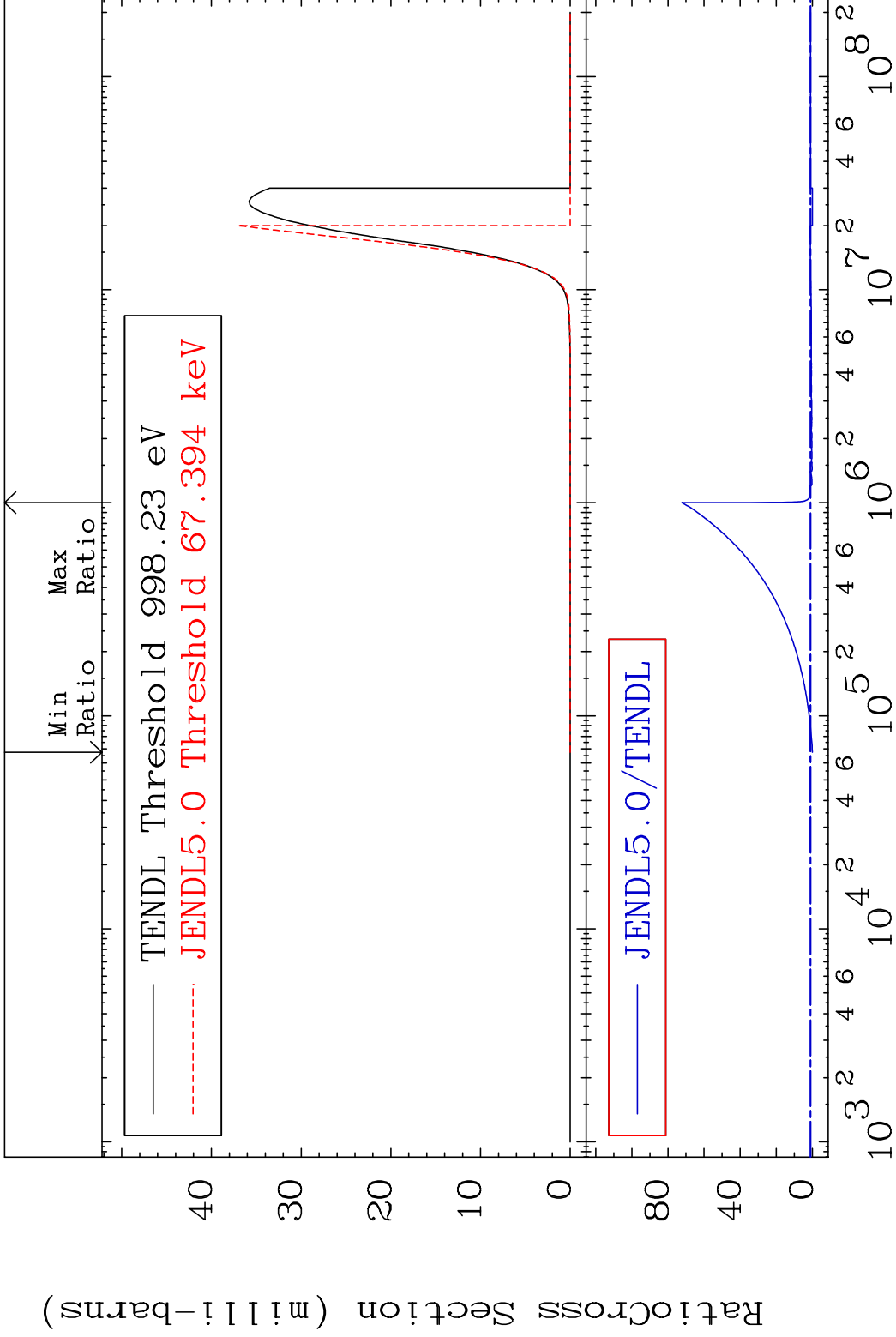


MAT 8025

(n, p)

80-Hg-196

Cross Section -100.0 To 7135. %

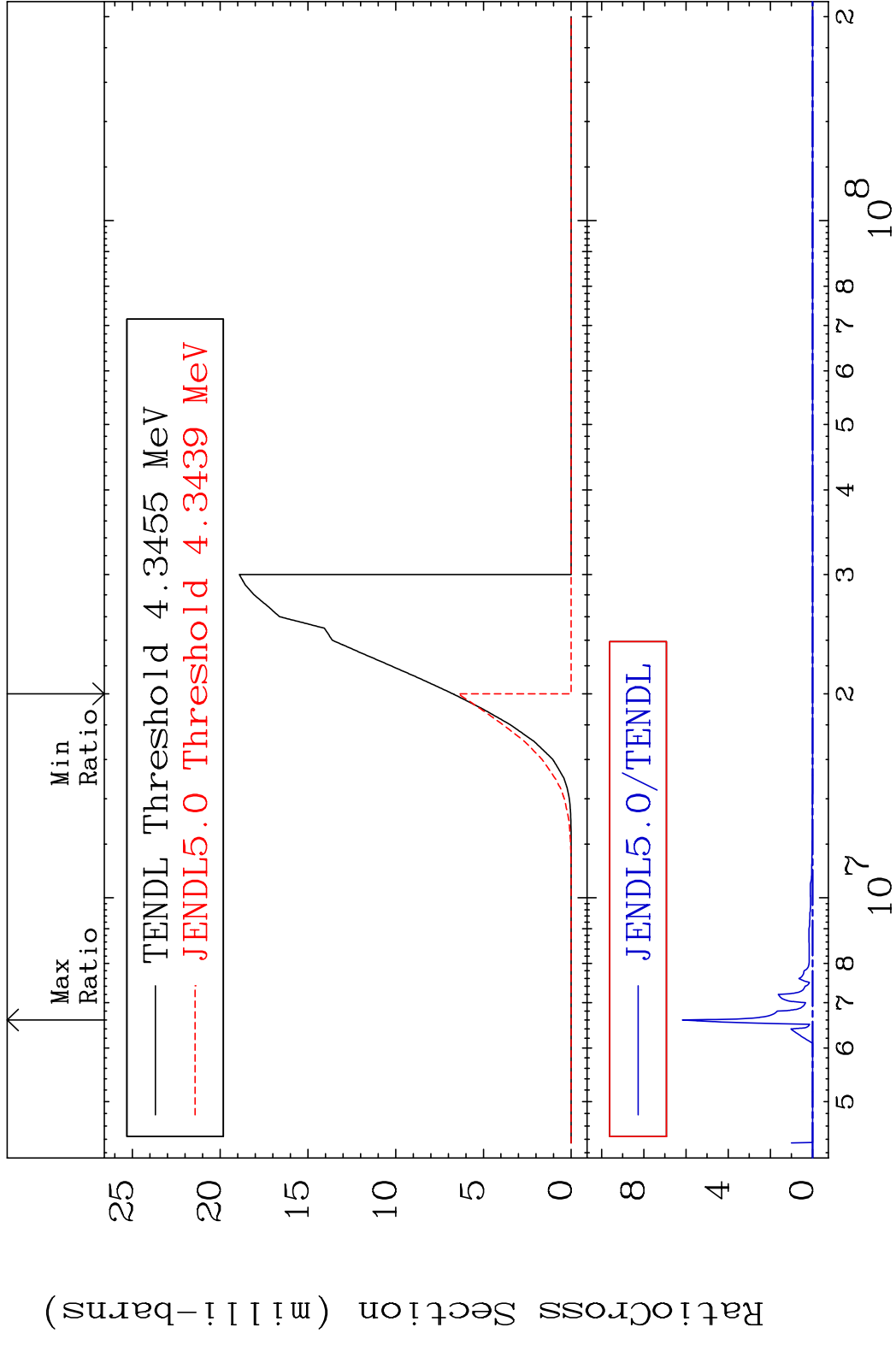


37

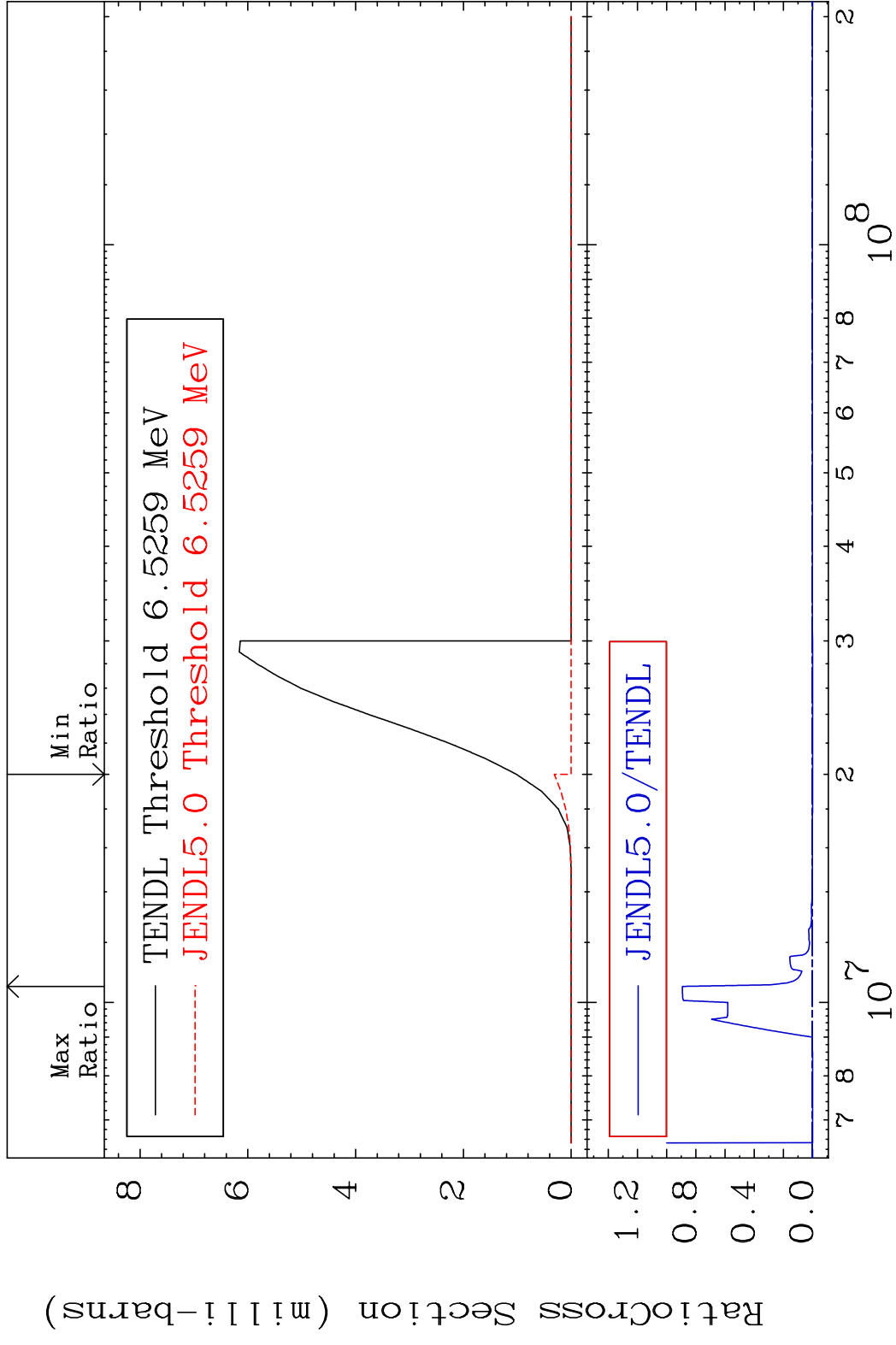
Incident Energy (eV)

80-Hg-196

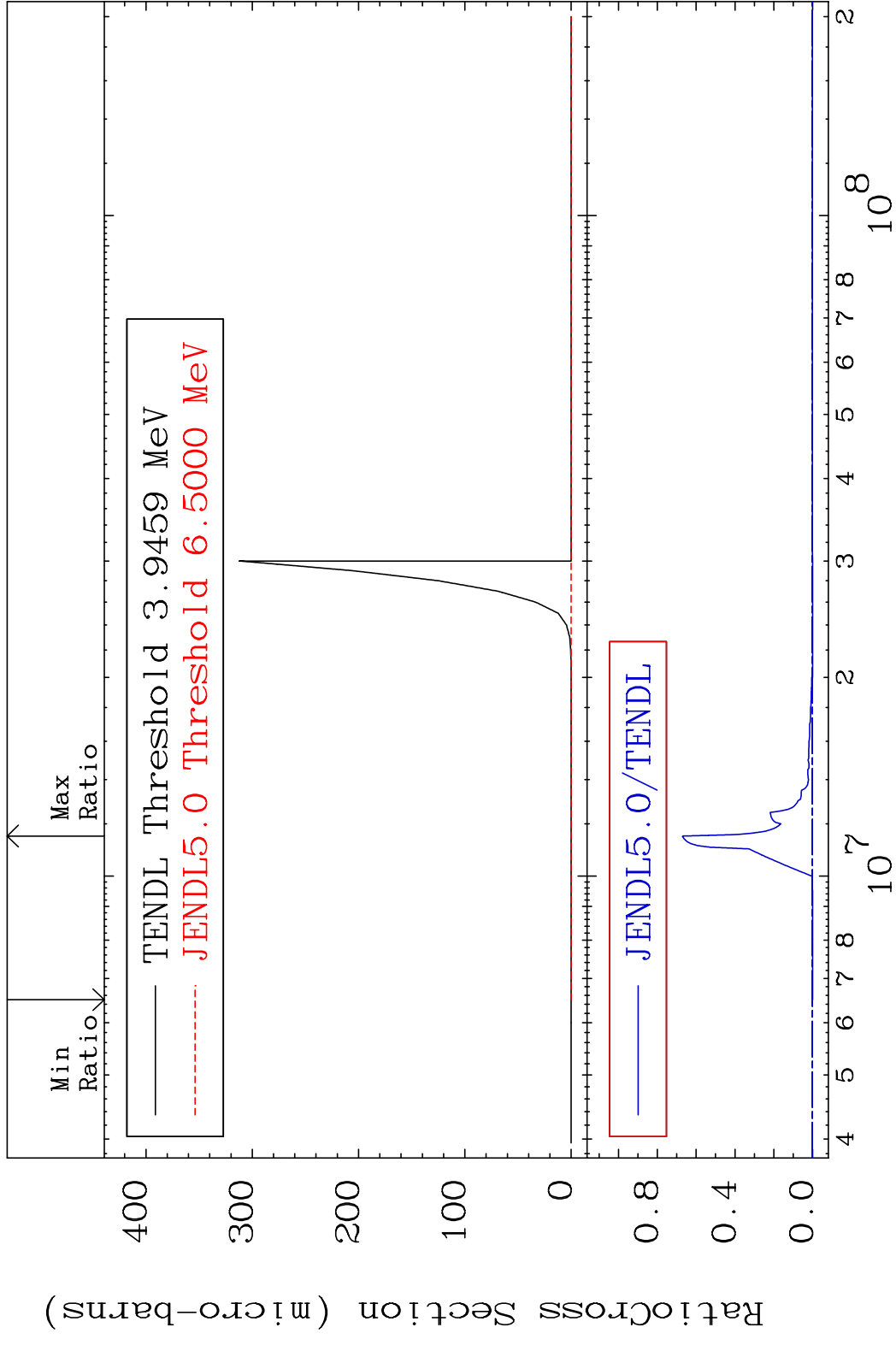
MAT 8025 (n,d) 80-Hg-196
 Cross Section -100.0 To 9999. %



MAT 8025 (n, t) 80-Hg-196
 Cross Section -100.0 To 9999. %



MAT 8025 (n, He-3) 80-Hg-196
Cross Section -100.0 To 9999. %



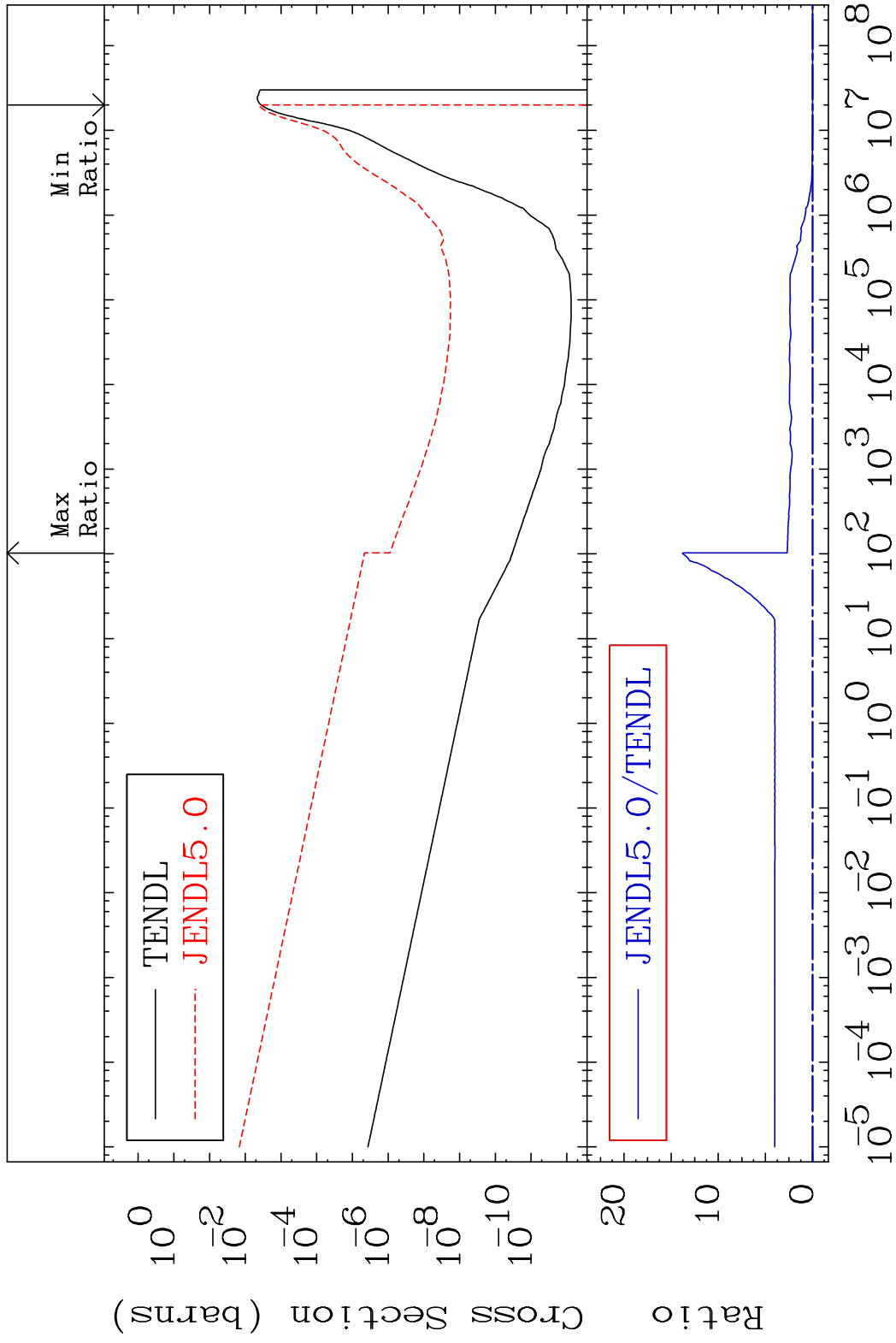
40 Incident Energy (eV) 80-Hg-196

MAT 8025

(n, α)

80-Hg-196

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

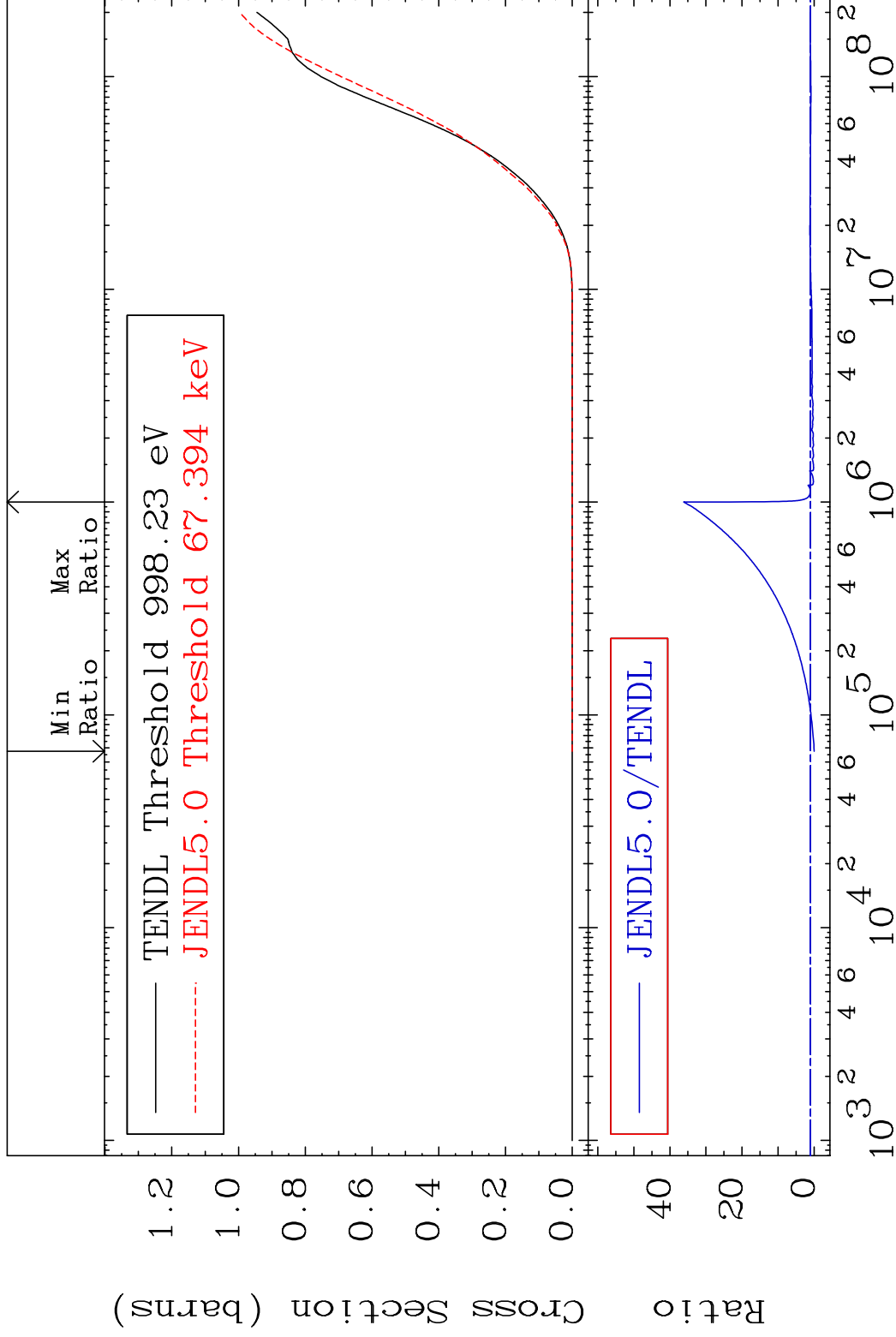
80-Hg-196

MAT 8025

Hydrogen Production

80-Hg-196

Cross Section -100.0 To 3518. %

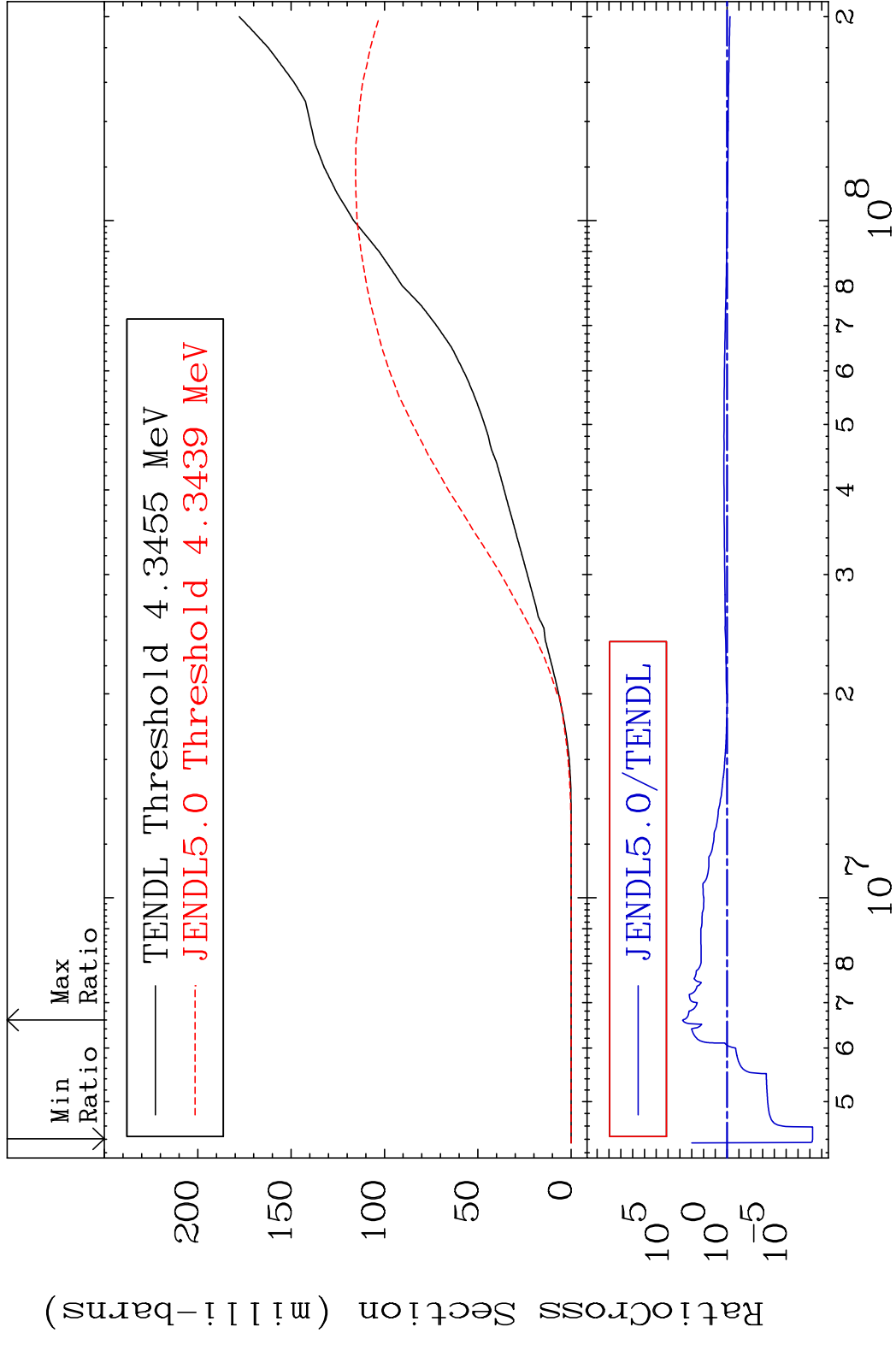


42

Incident Energy (eV)

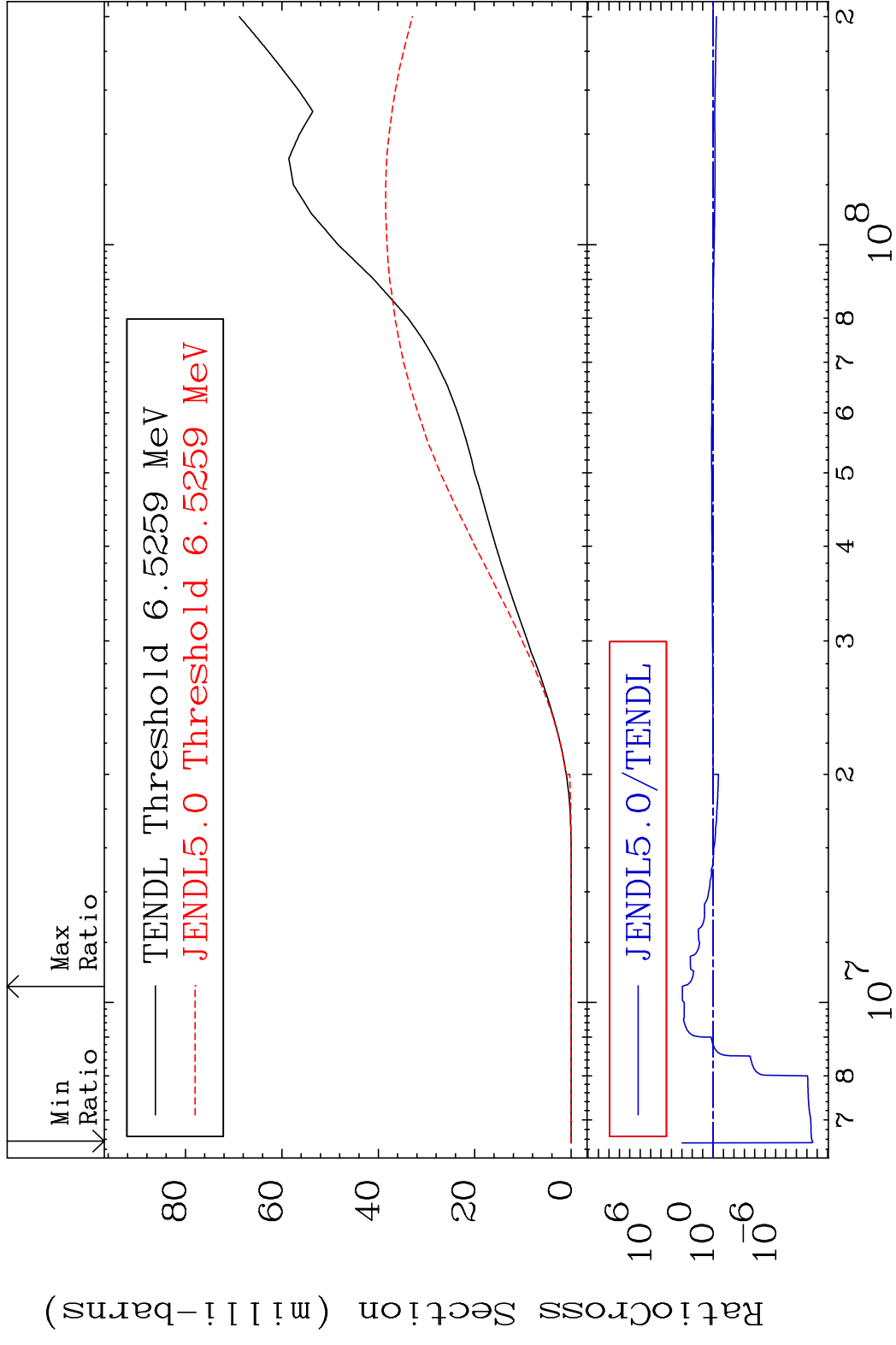
80-Hg-196

MAT 8025 Deuterium Production 80-Hg-196
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 80-Hg-196

MAT 8025 Tritium Production 80-Hg-196
 Cross Section -100.0 To 9999. %

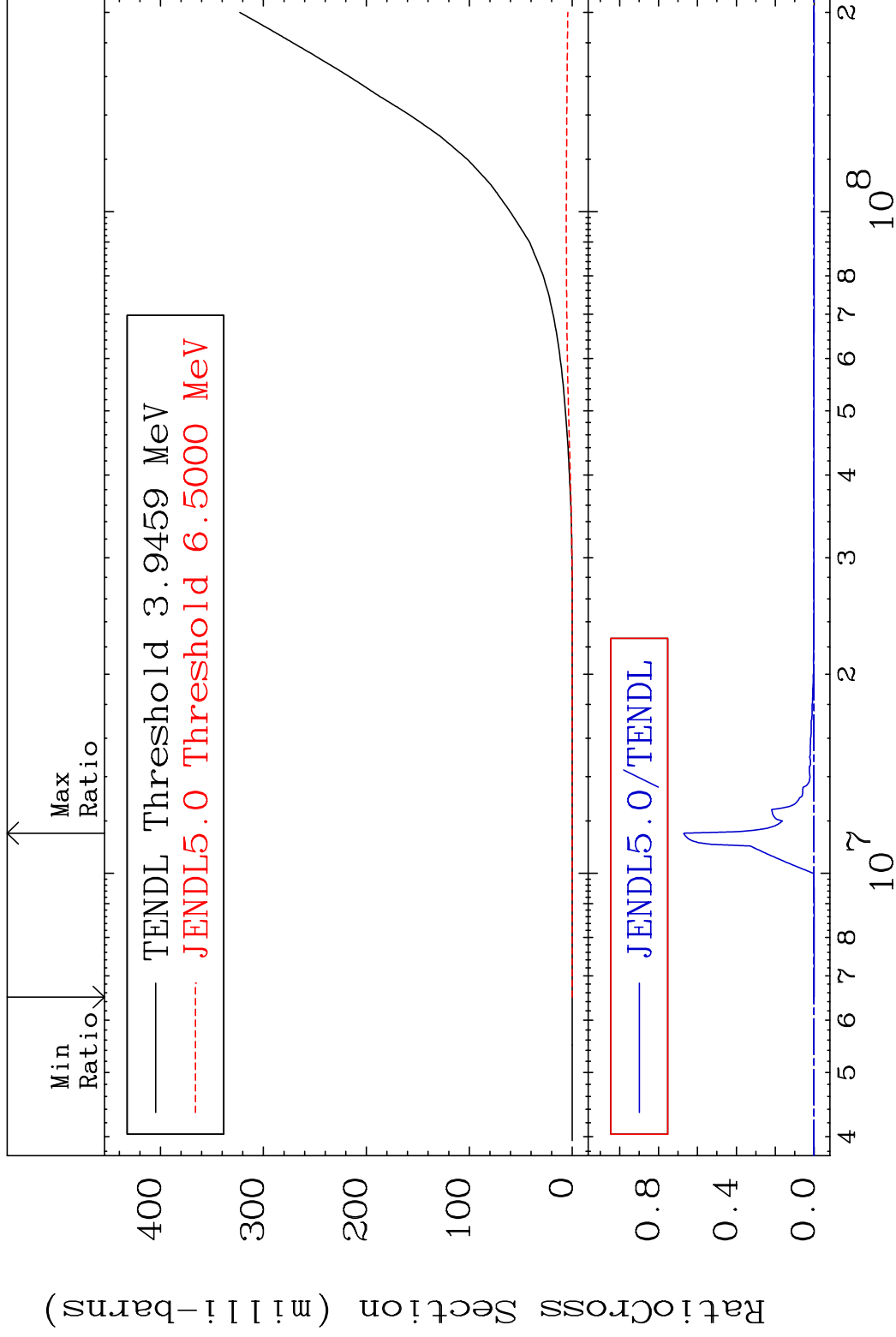


MAT 8025

He-3 Production

80-Hg-196

Cross Section -100.0 To 9999. %

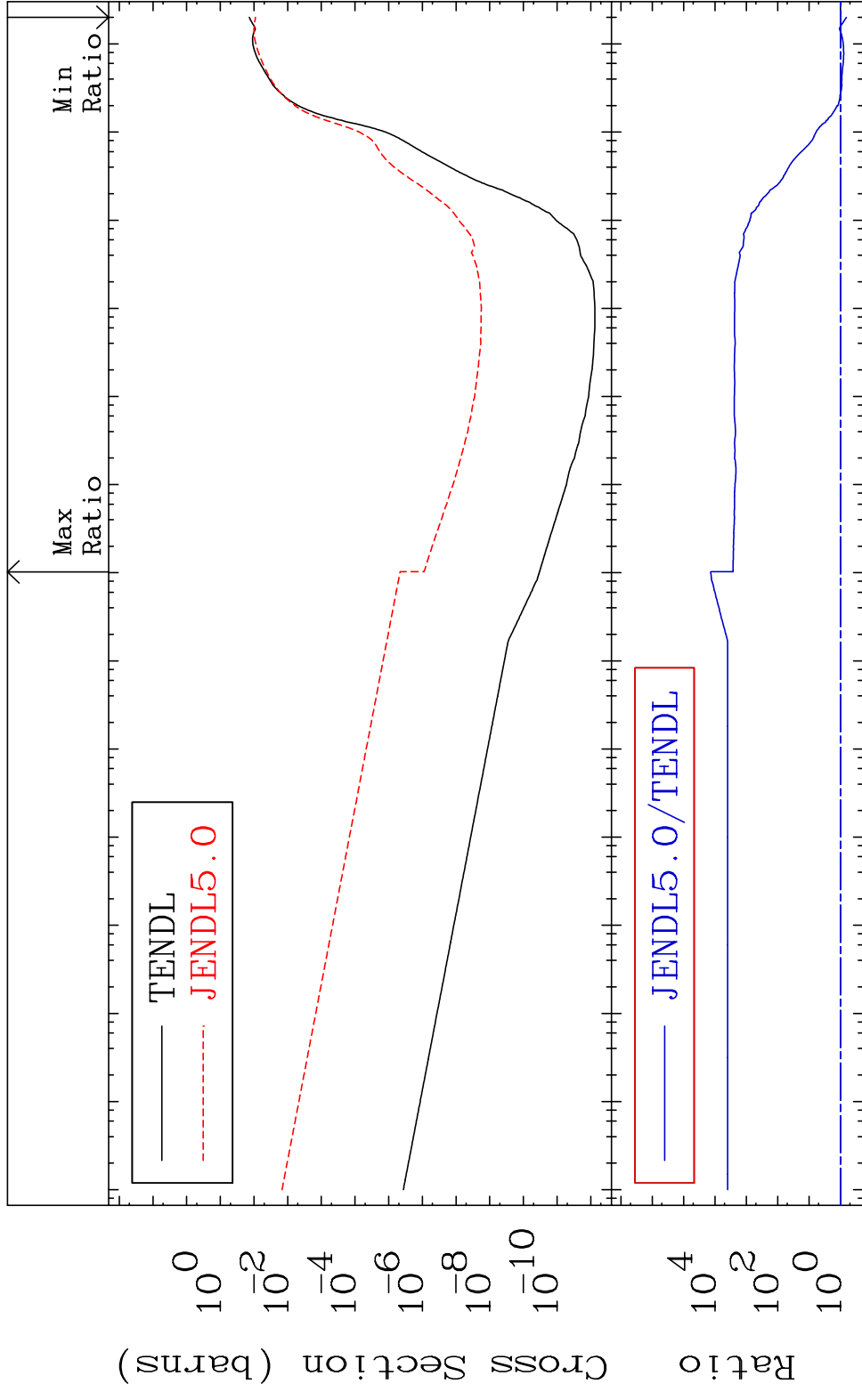


MAT 8025

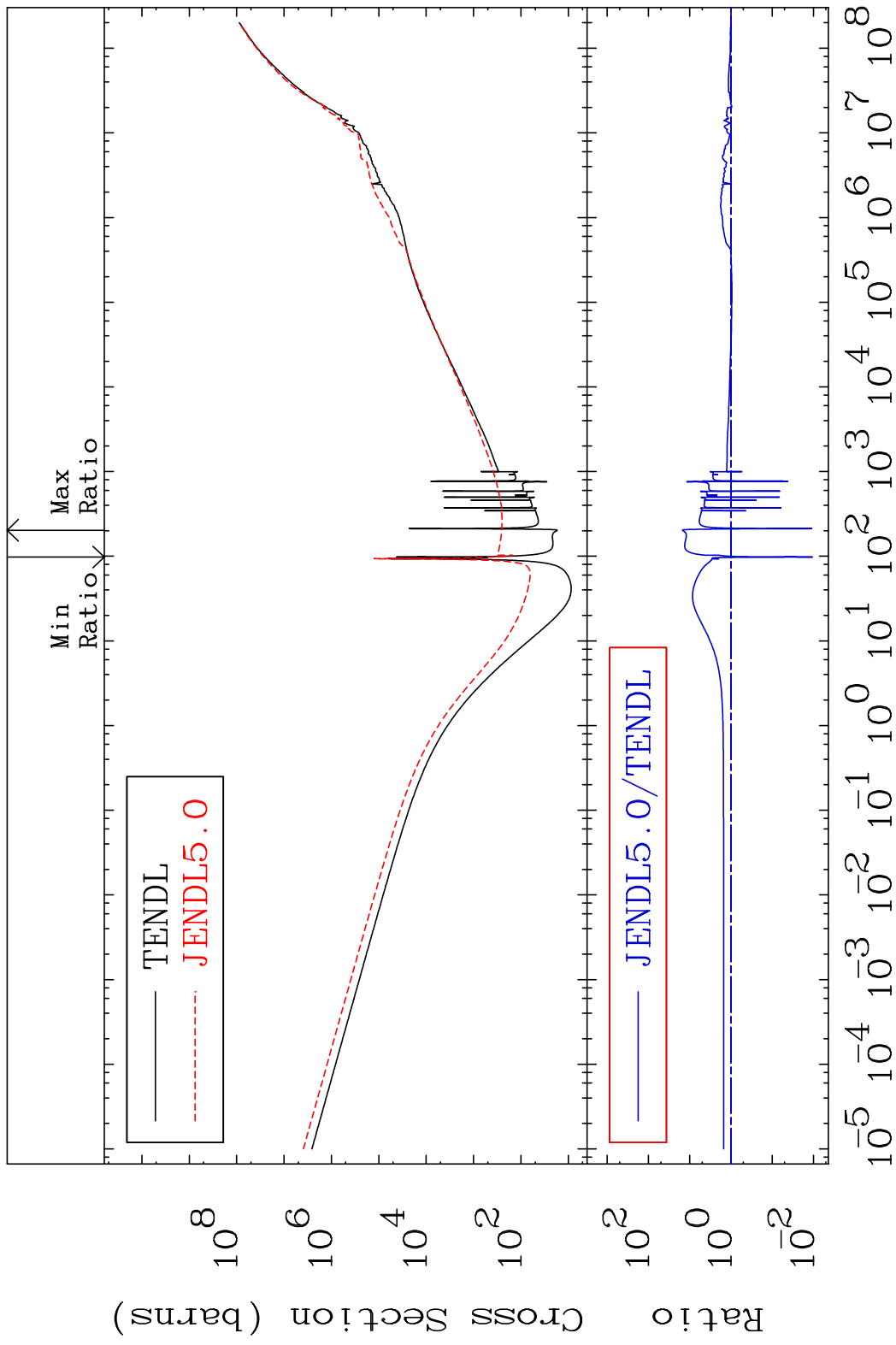
He-4 Production

80-Hg-196

Cross Section -34.66 To 9999. %



MAT 8025 Kerma total (eV-barns) 80-Hg-196
 Cross Section -98.95 To 1409. %

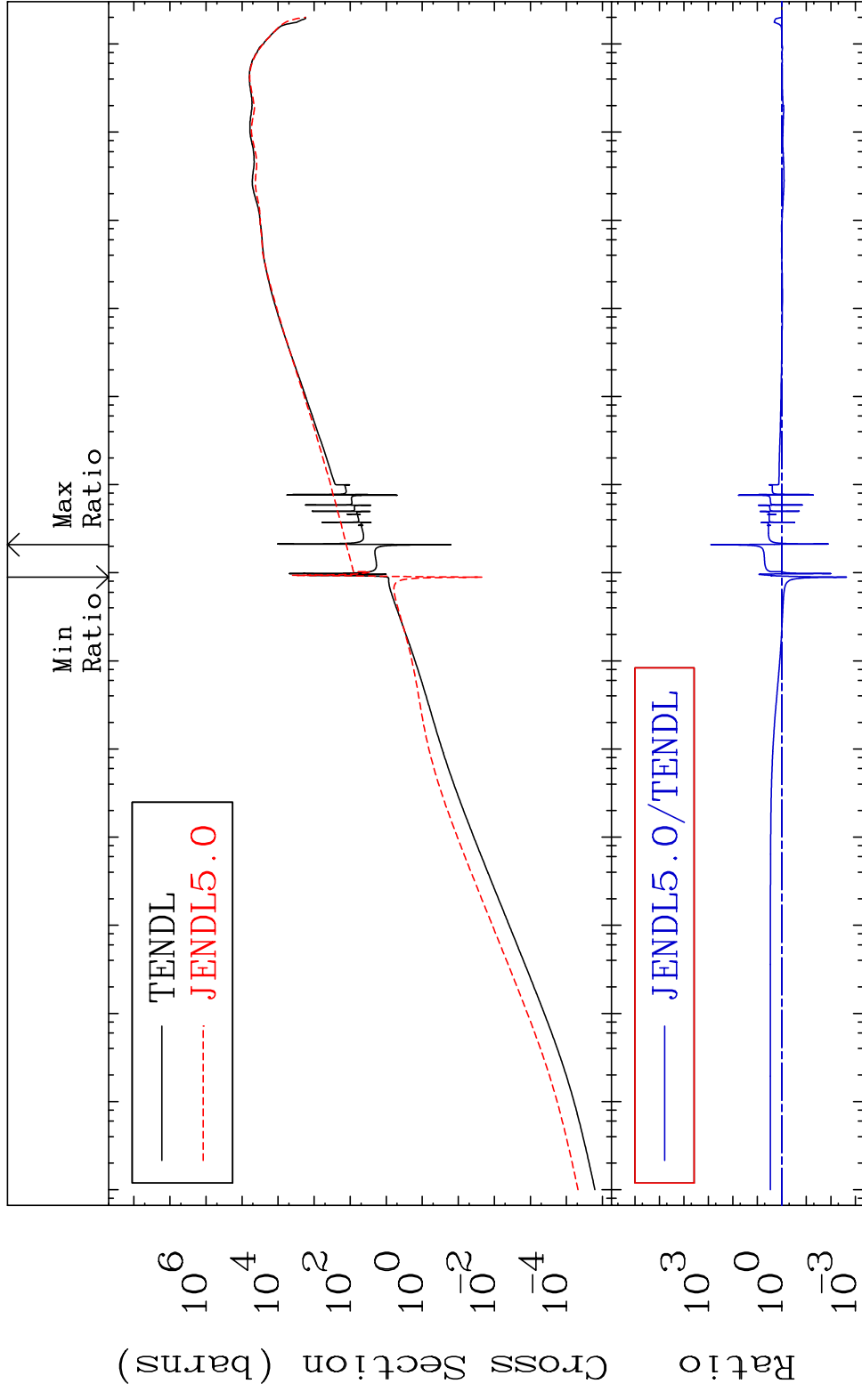


47 Incident Energy (eV) 80-Hg-196

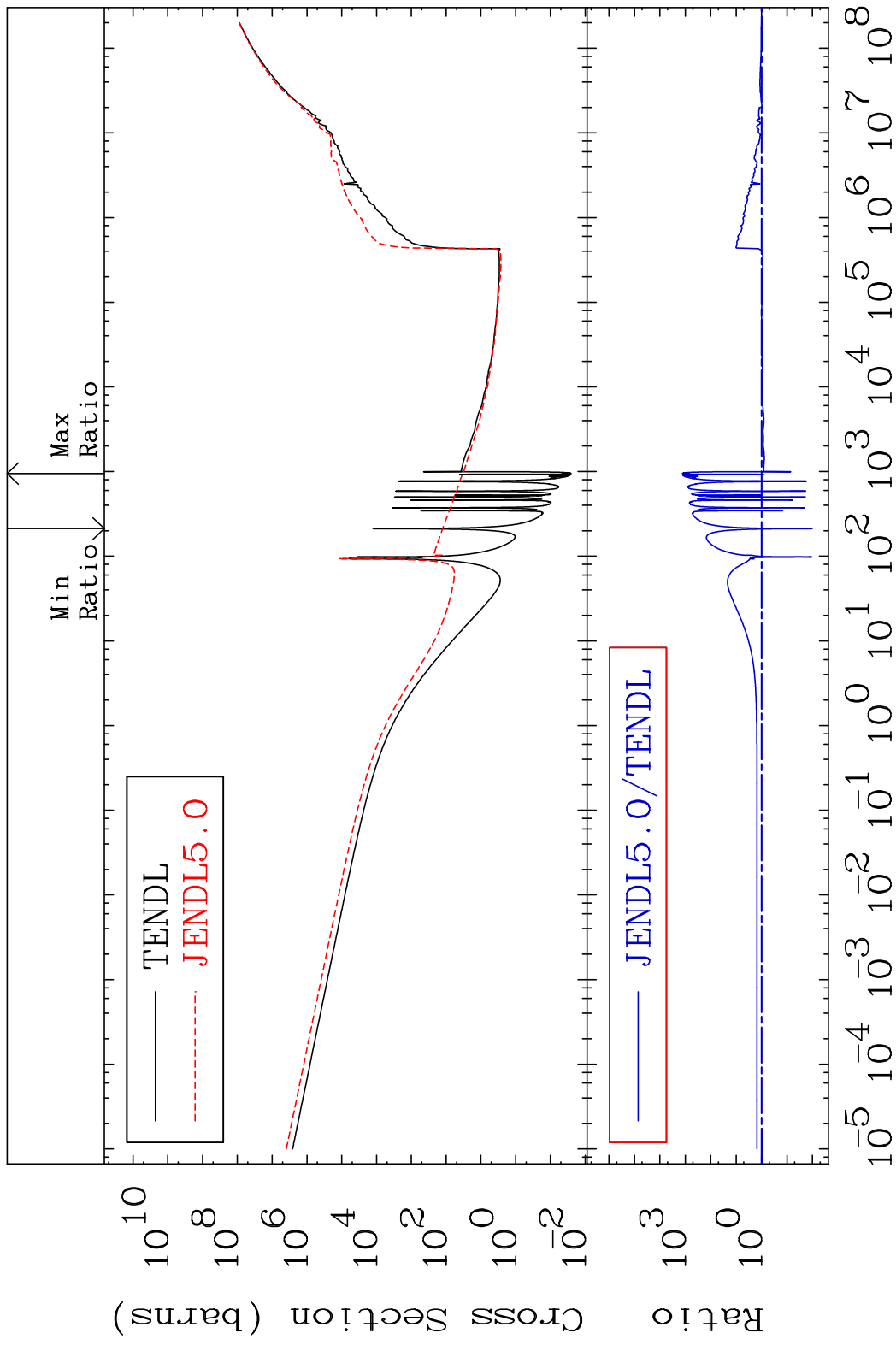
MAT 8025

Kerma elastic
Cross Section

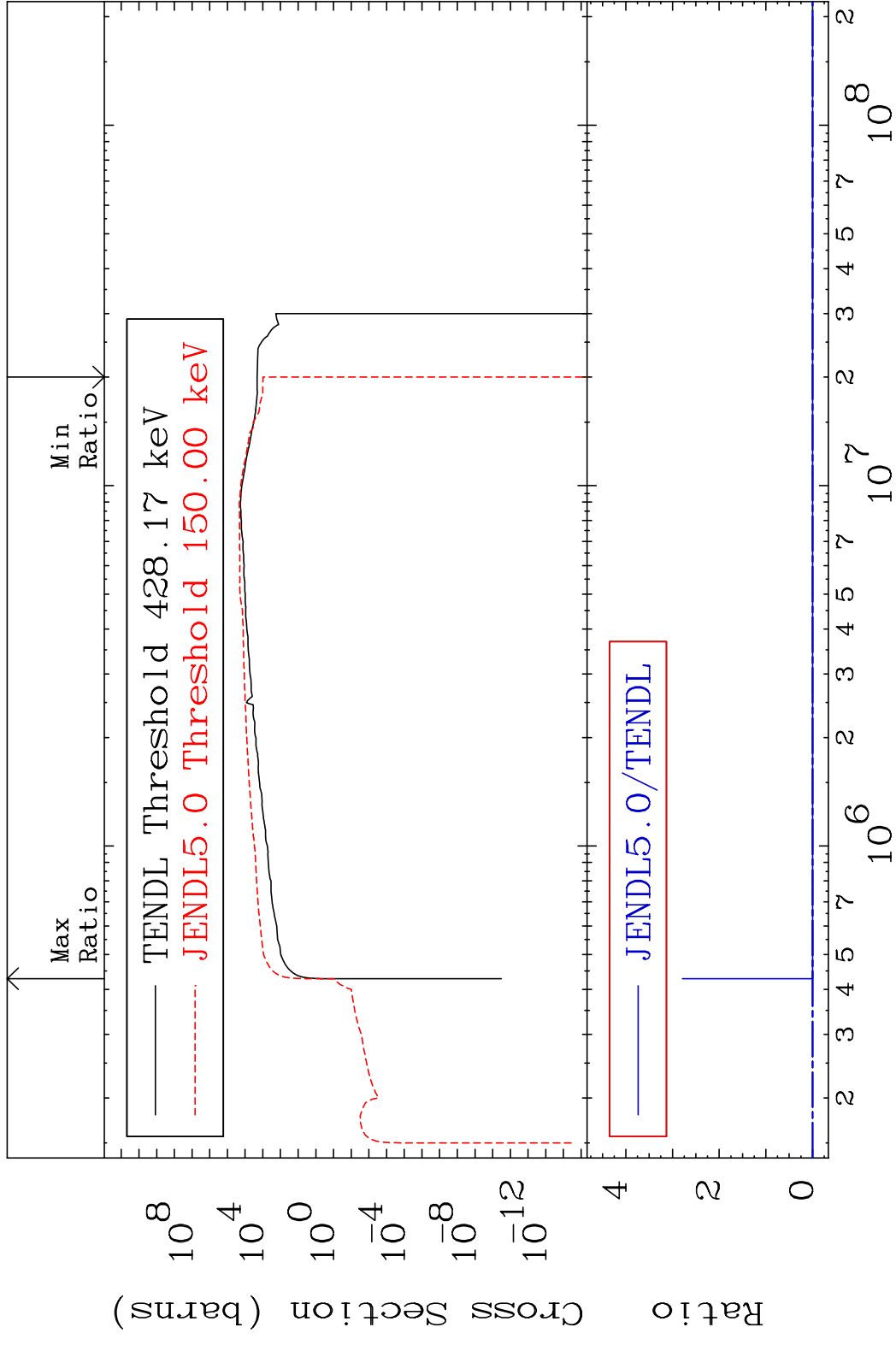
80-Hg-196
-99.777 To 9999. %



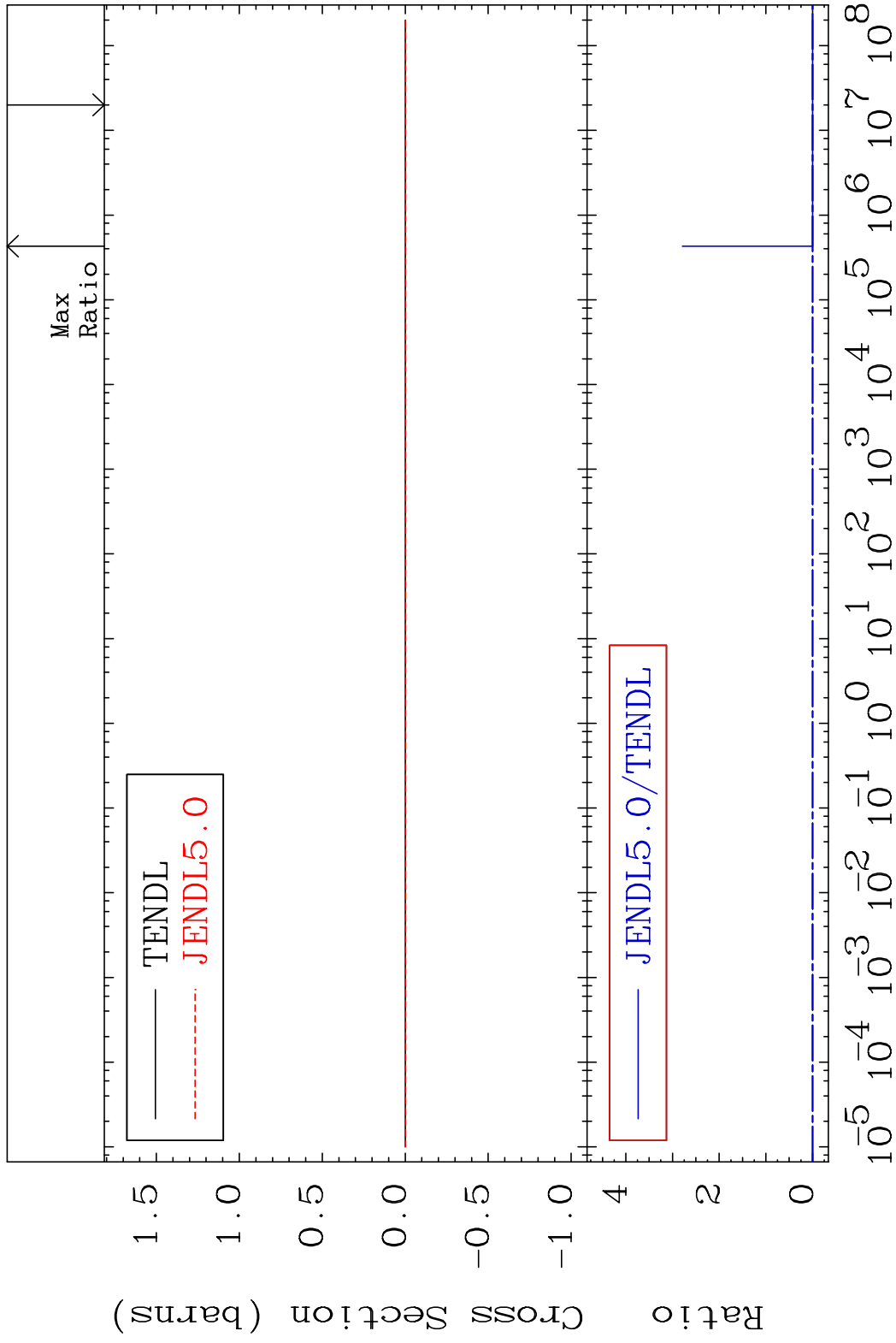
MAT 8025 Kerma non-elastic (all but mt2) 80-Hg-196
 Cross Section -99.01 To 9999. %



MAT 8025 Kerma inelastic (mt51-91) 80-Hg-196
 Cross Section -100.0 To 9999. %

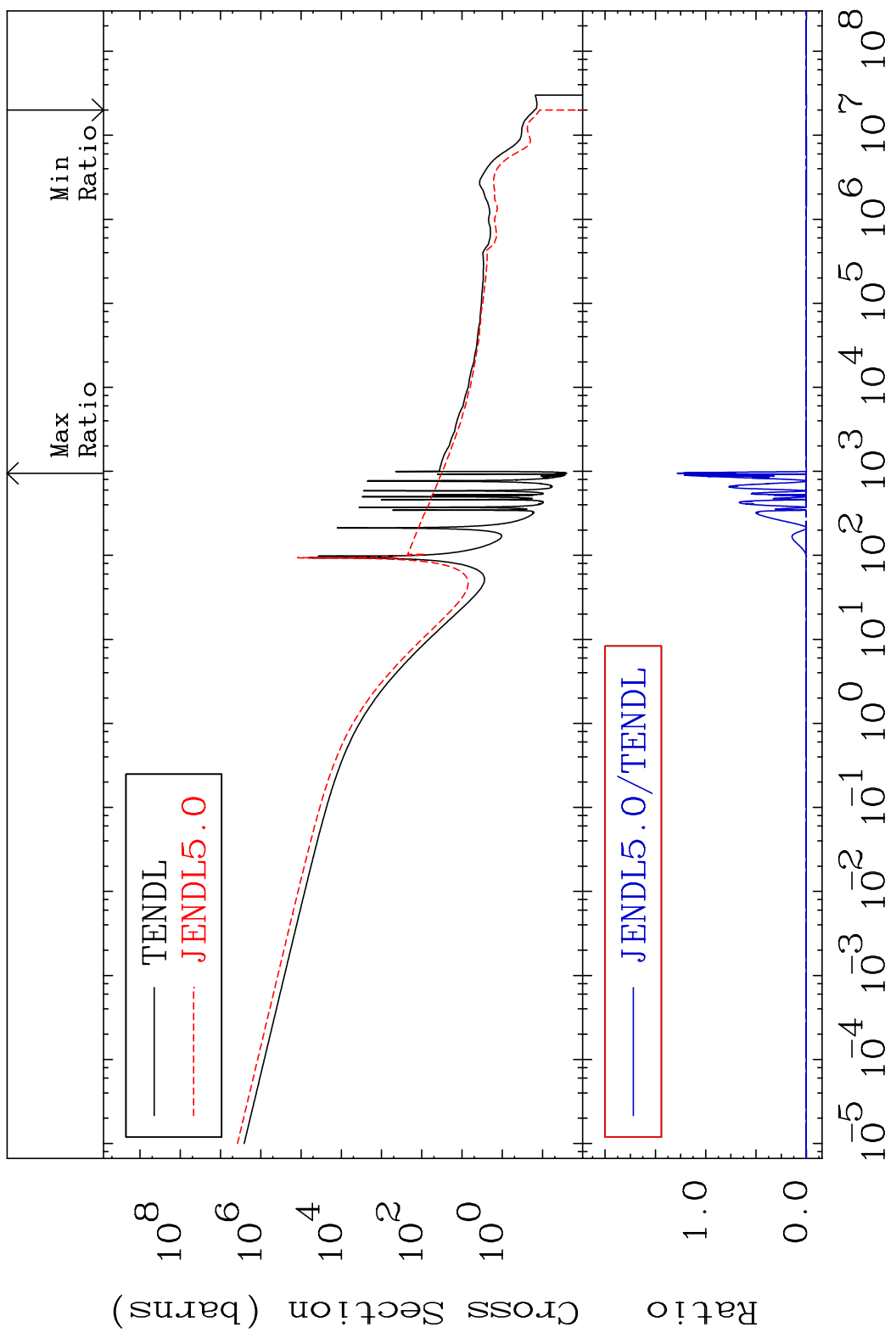


MAT 8025 Kerma fission (mt18 or mt19-20-21-38)80-Hg-196
 Cross Section -100.0 To 9999. %



MAT 8025

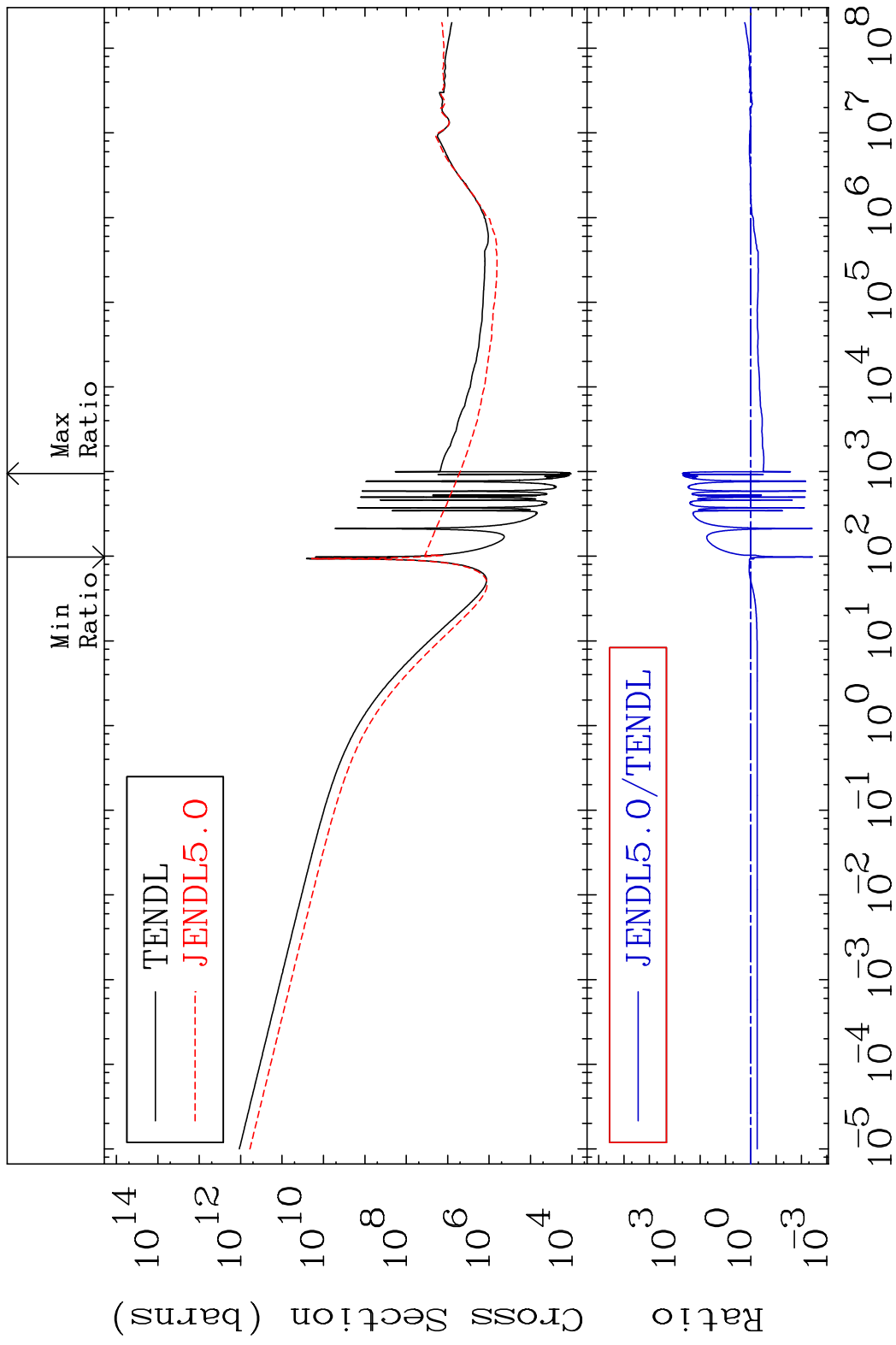
Kerma capture (mt102) 80-Hg-196
Cross Section -100.0 To 9999. %



52

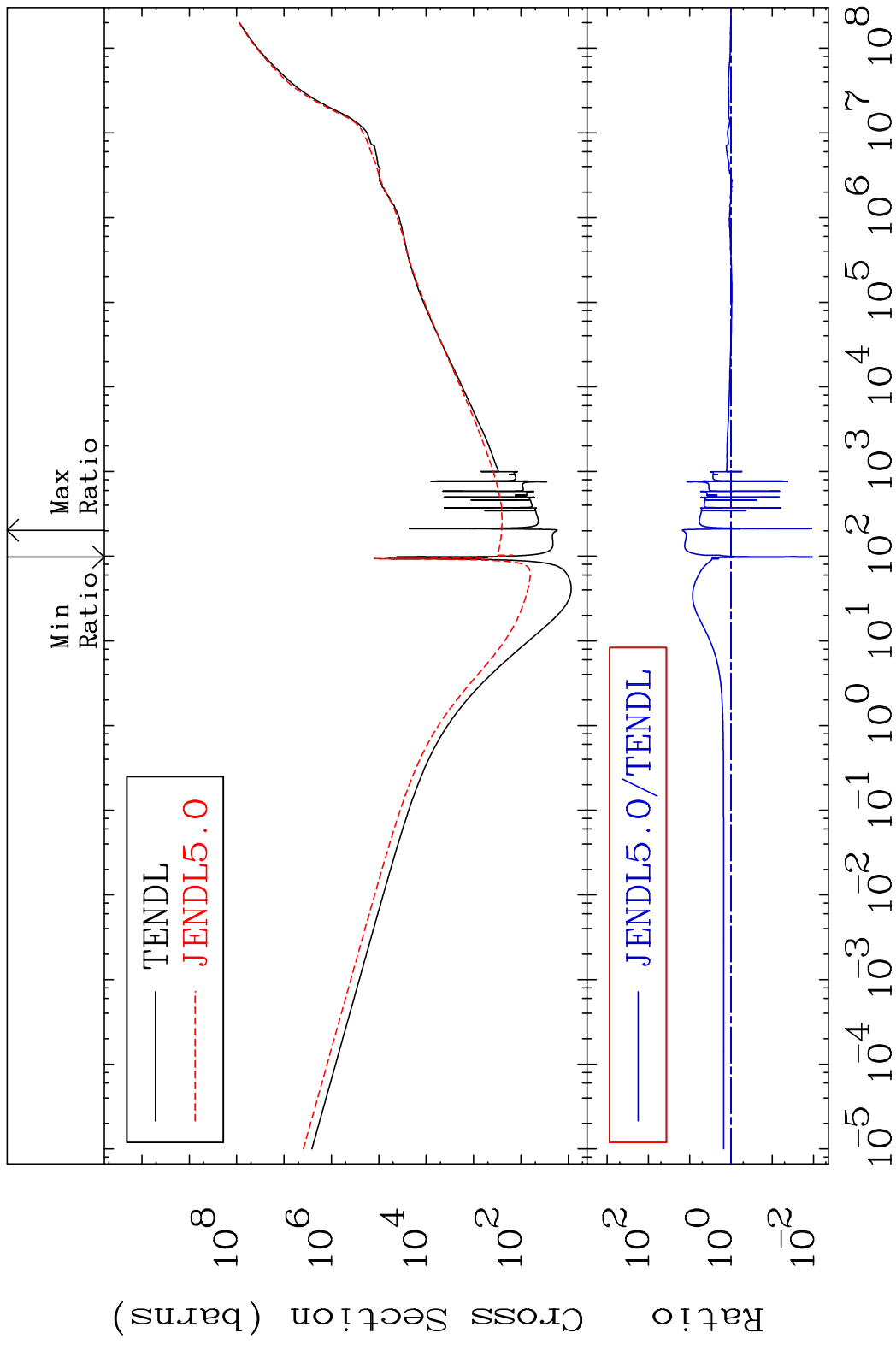
Incident Energy (eV) 80-Hg-196

MAT 8025 Total photon (eV-barns) 80-Hg-196
 Cross Section -99.64 To 9999. %

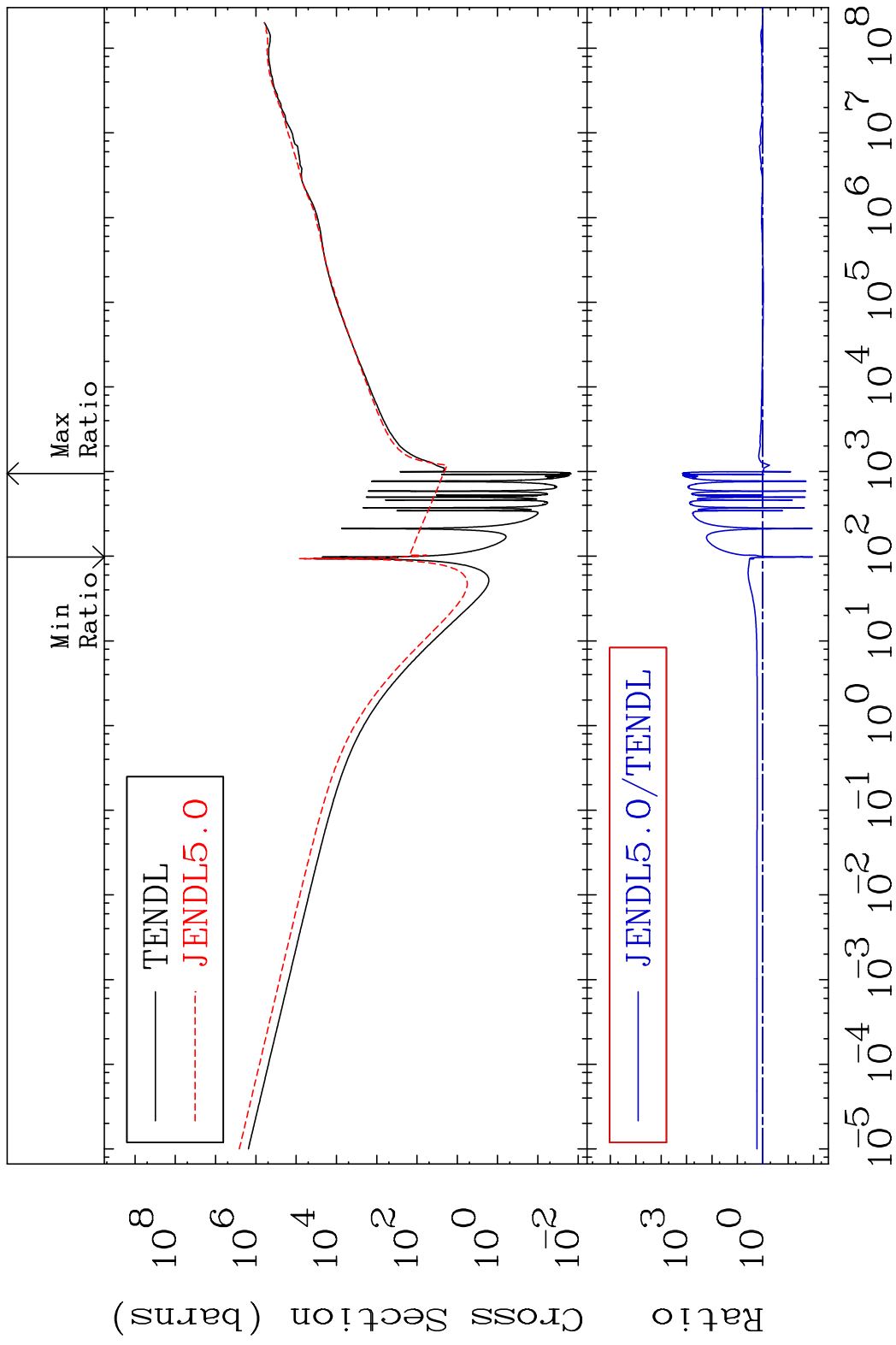


53 Incident Energy (eV) 80-Hg-196

MAT 8025 Total kinematic kerma (high limit) 80-Hg-196
 Cross Section -98.95 To 1409. %



MAT 8025 Dpa total (eV-barns) 80-Hg-196
 Cross Section -98.91 To 9999. %



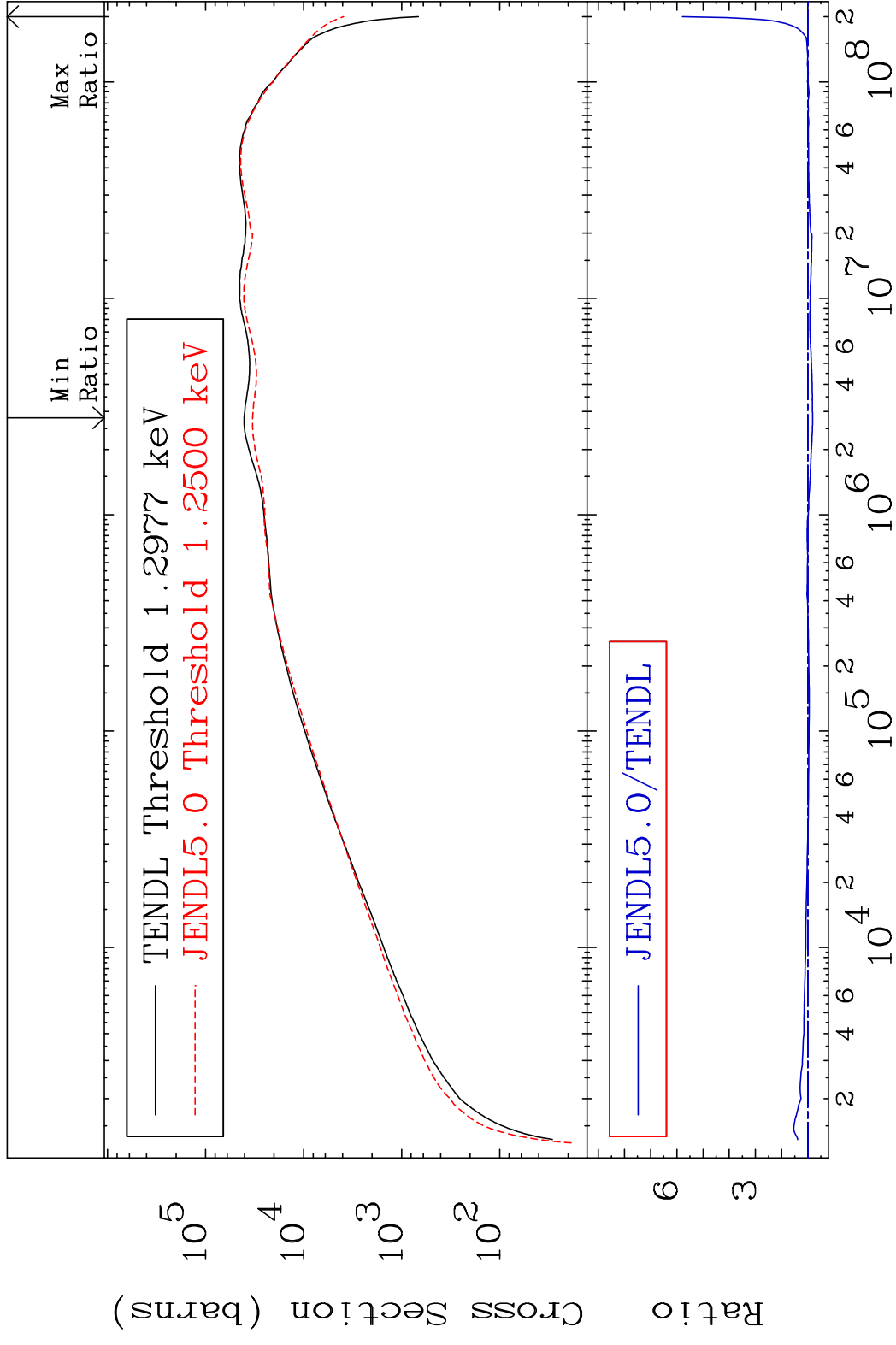
MAT 8025

Dpa elastic (mt2)

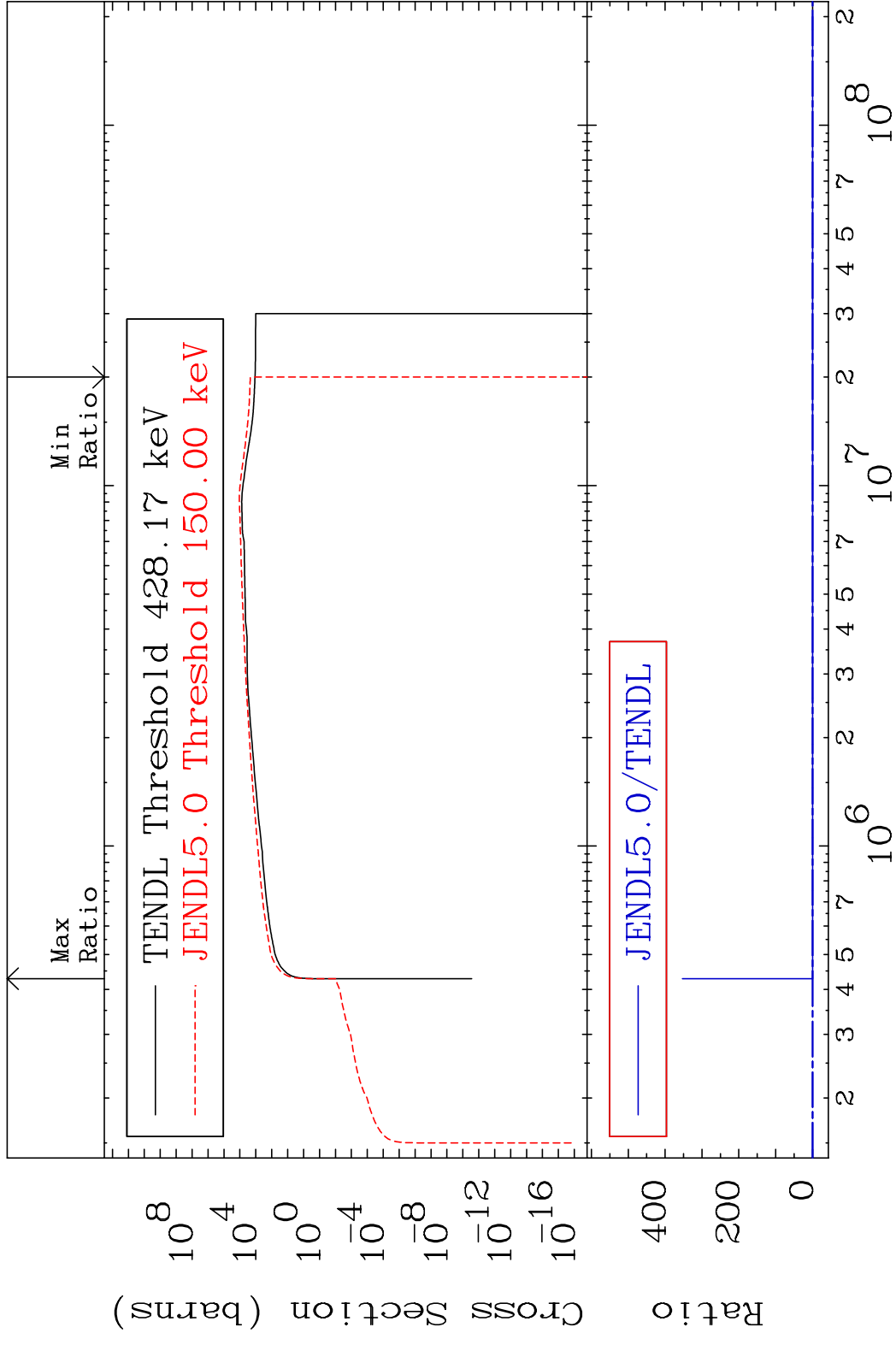
80-Hg-196

Cross Section

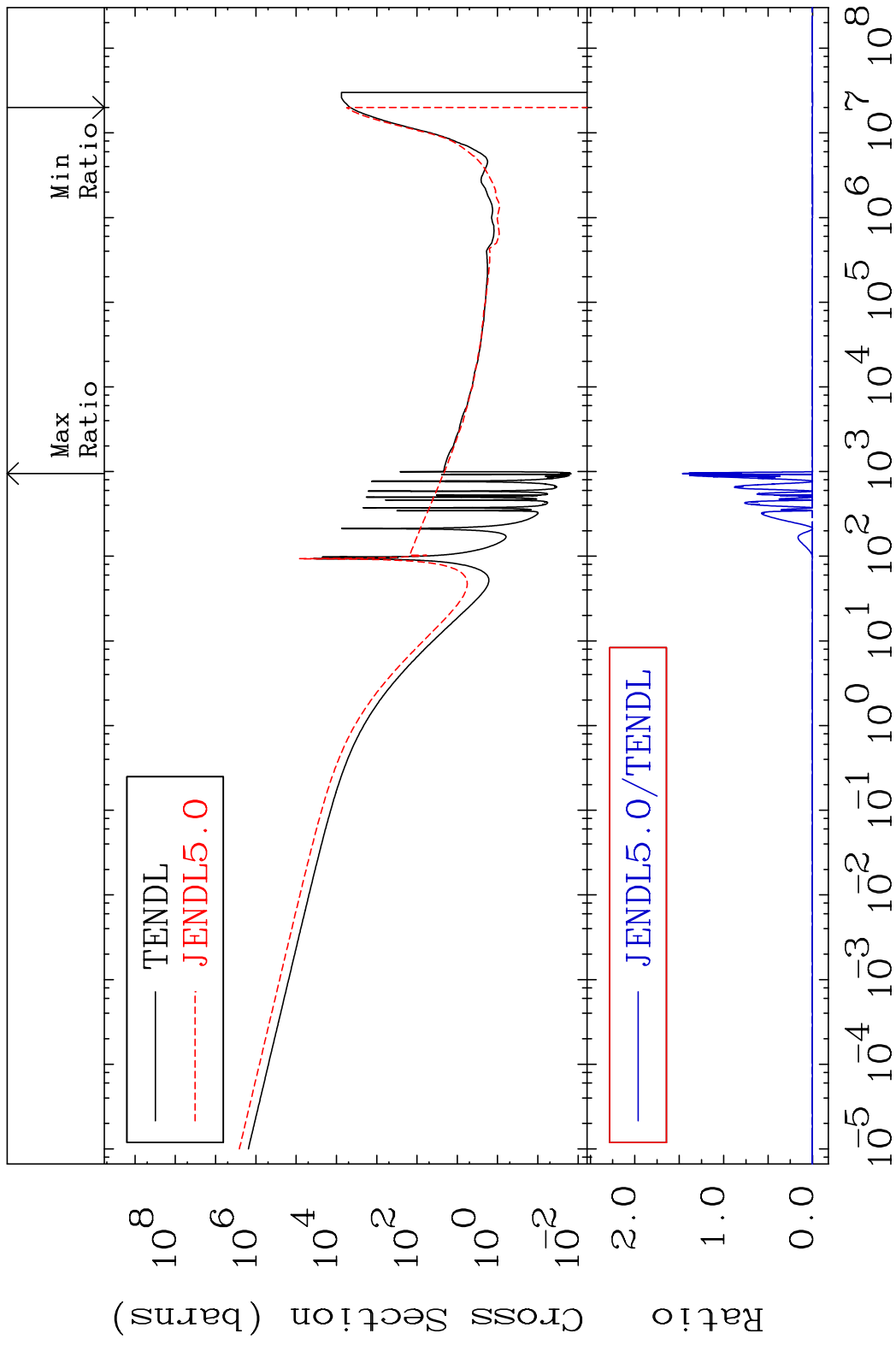
-18.10 To 479.0 %



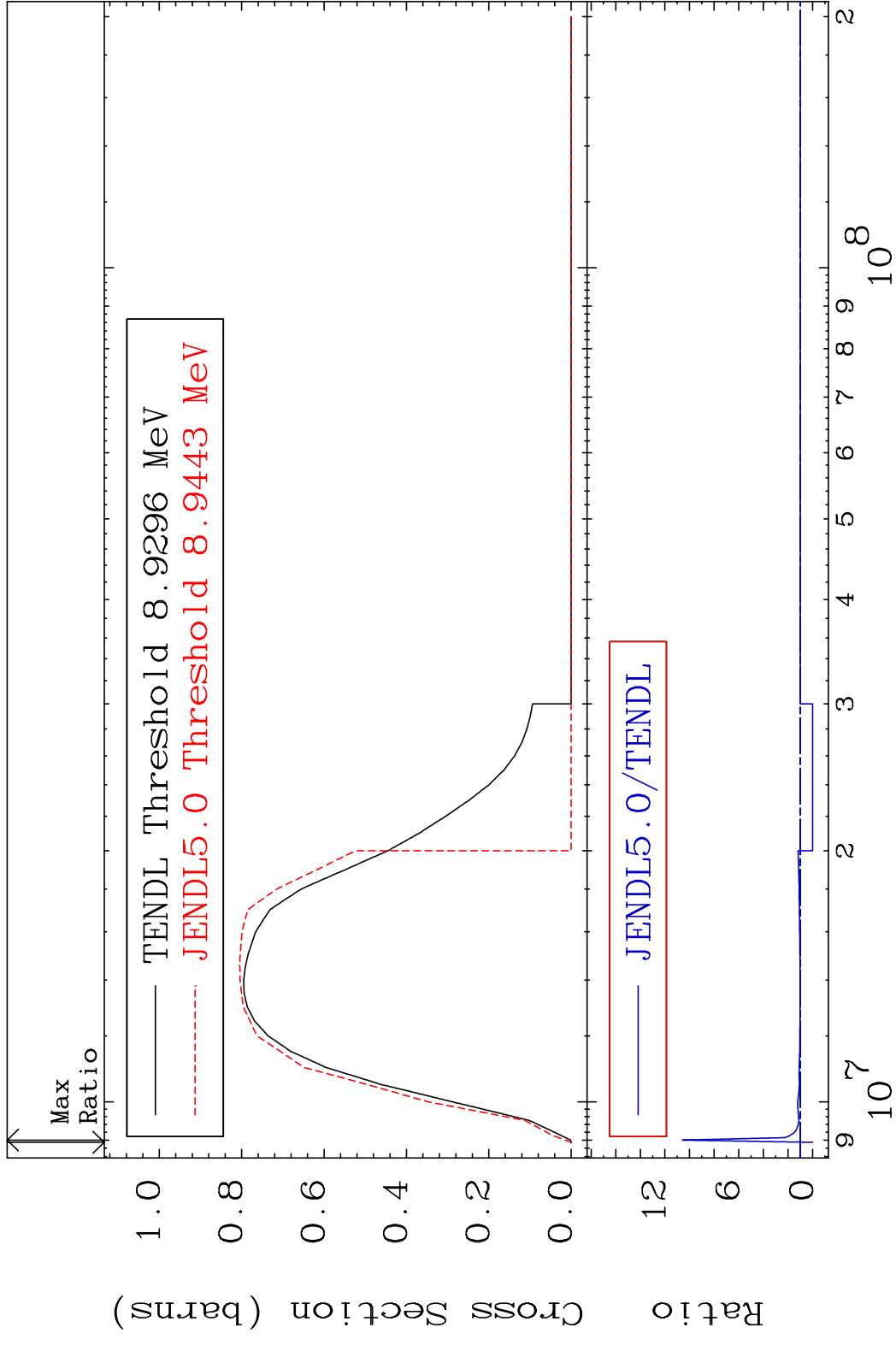
MAT 8025 Dpa inelastic (mt51-91) 80-Hg-196
 Cross Section -100.0 To 9999. %



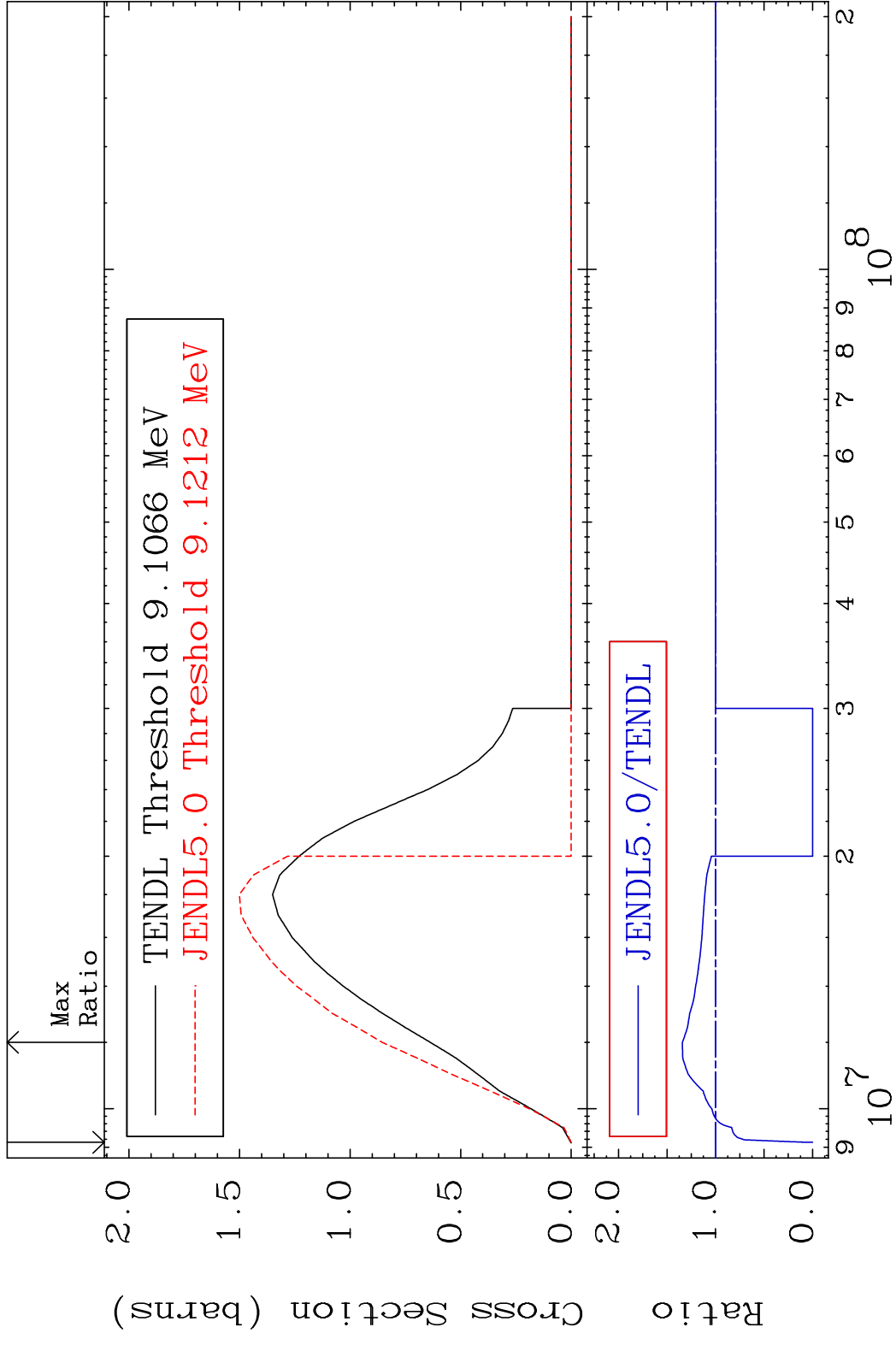
MAT 8025 Dpa disappearance (mt102 -120) 80-Hg-196
 Cross Section -100.0 To 9999. %



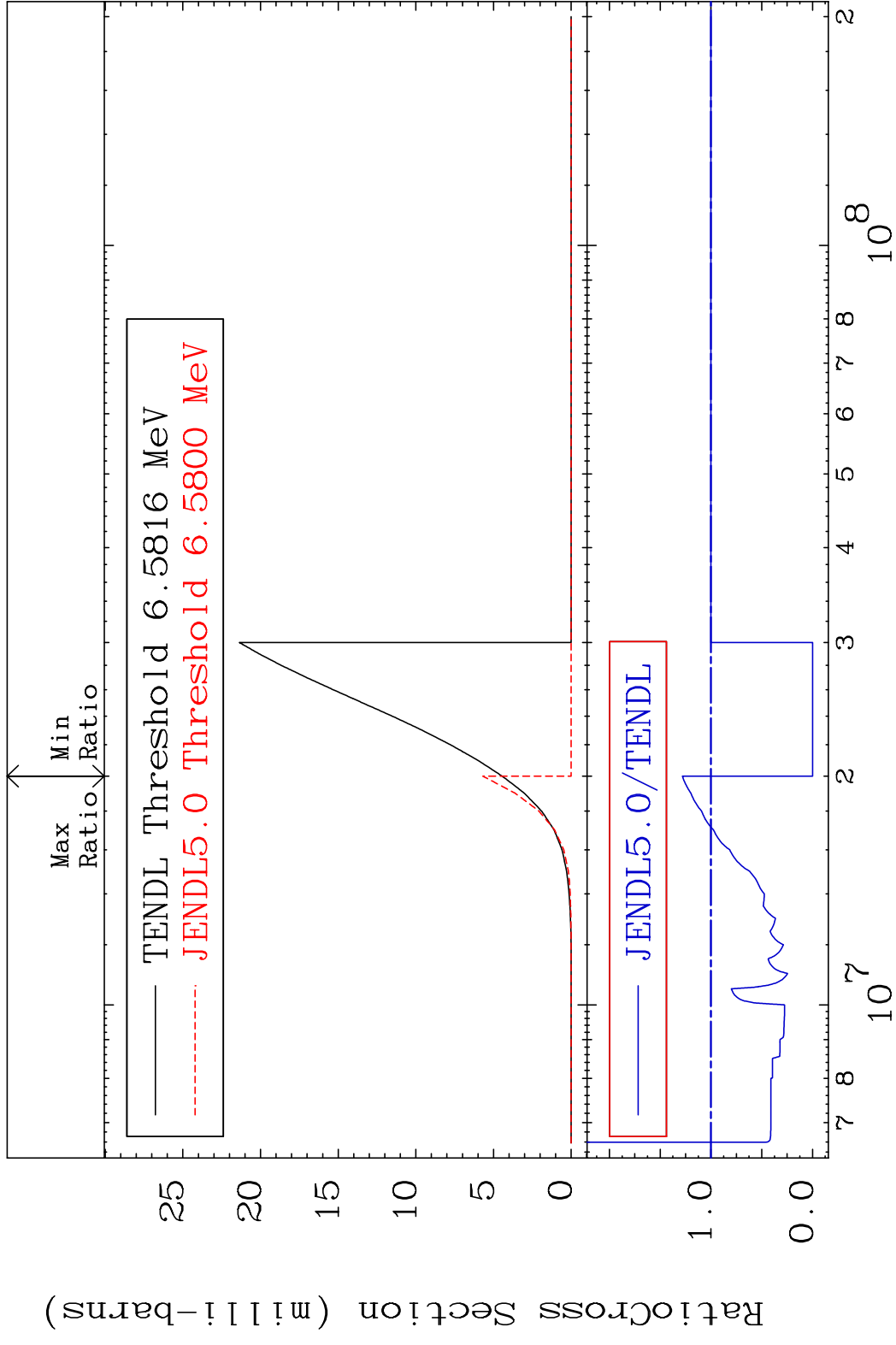
MAT 8025 (n,2n):80-Hg-195g 80-Hg-196
 Radionuclide Production Cross Section Ratio 958.4 %

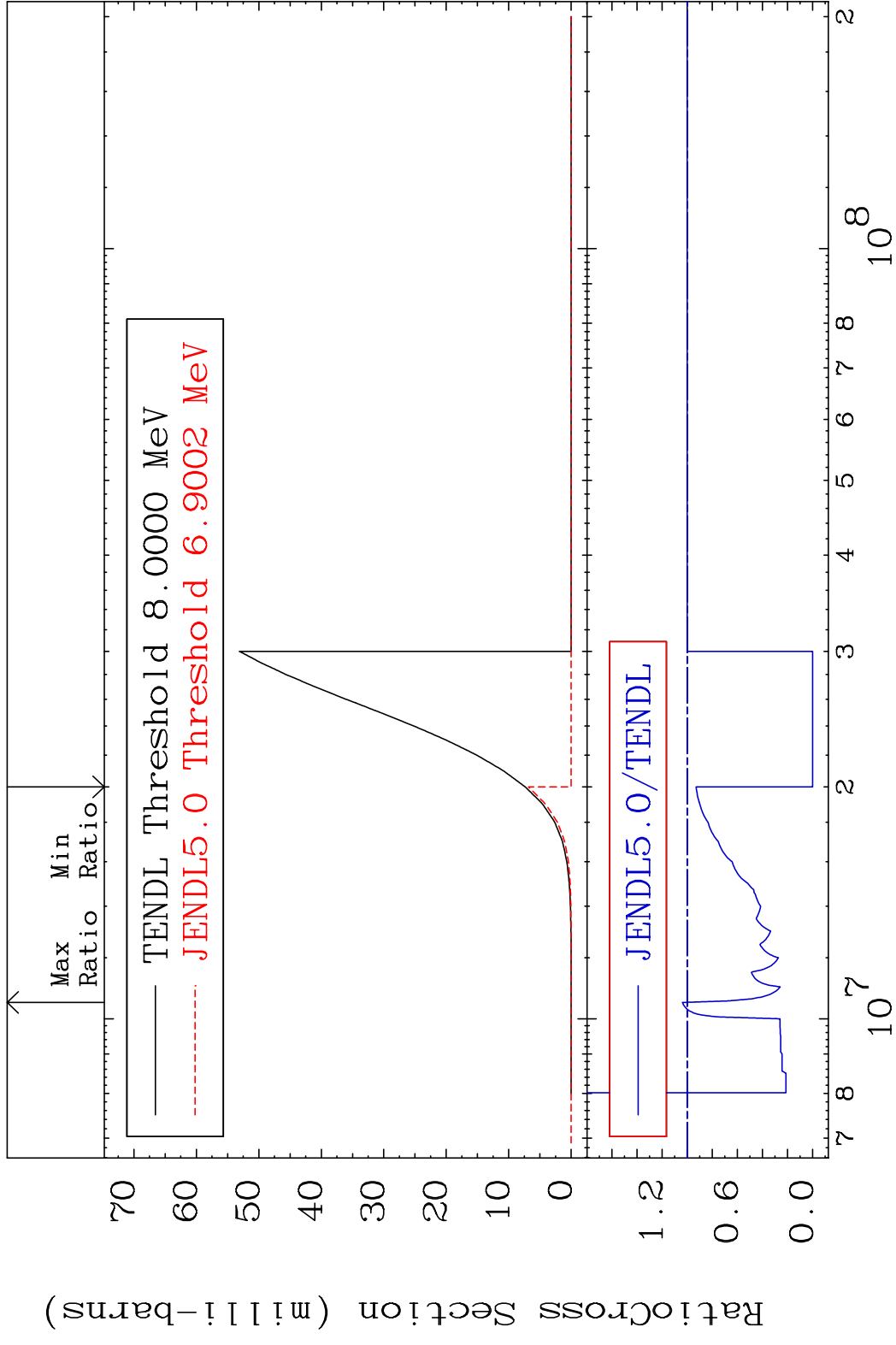


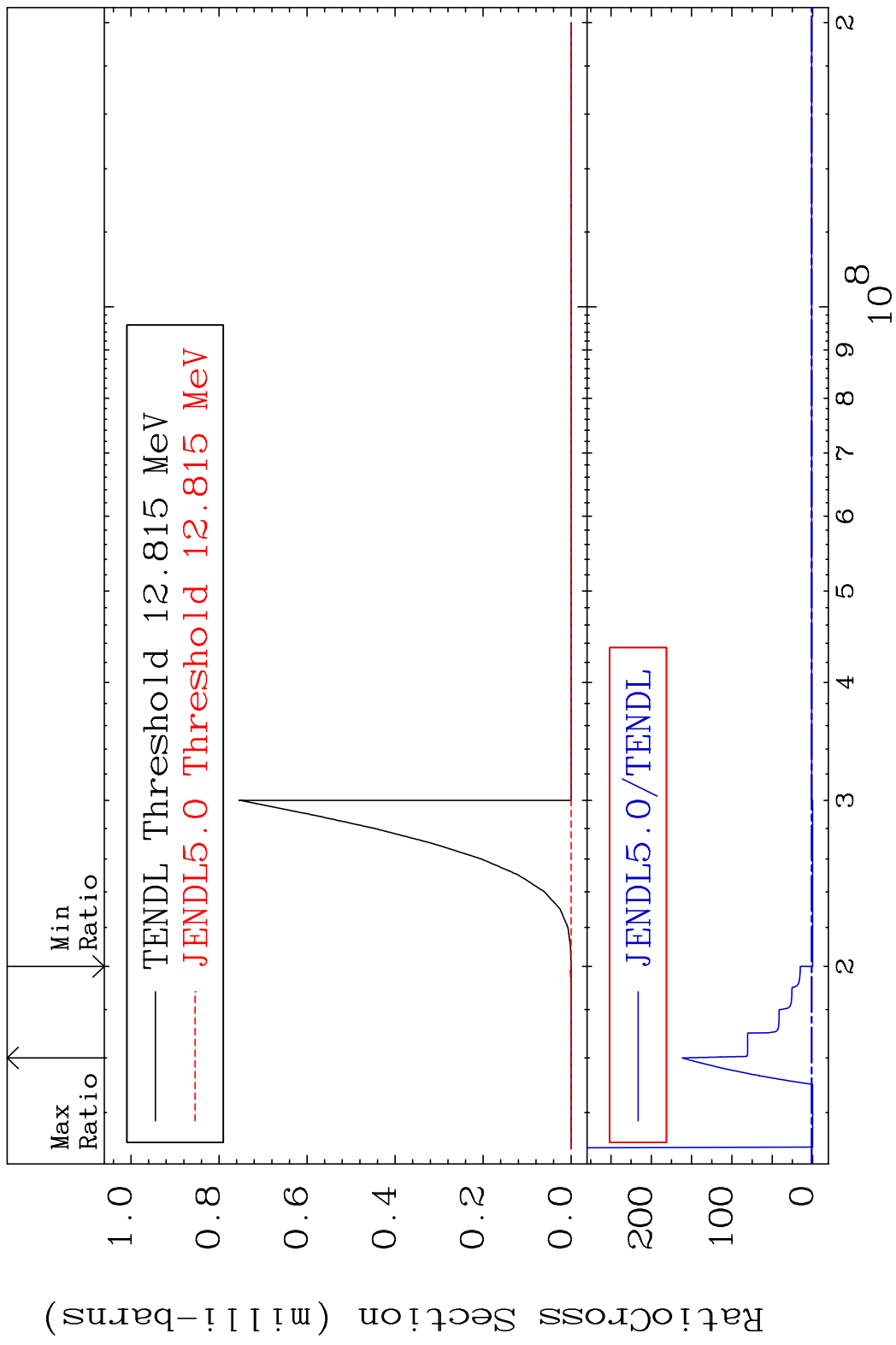
MAT 8025 (n,2n):80-Hg-195m3 80-Hg-196
 Radionuclide Production Cross Section 180.01 dth 34.19 %

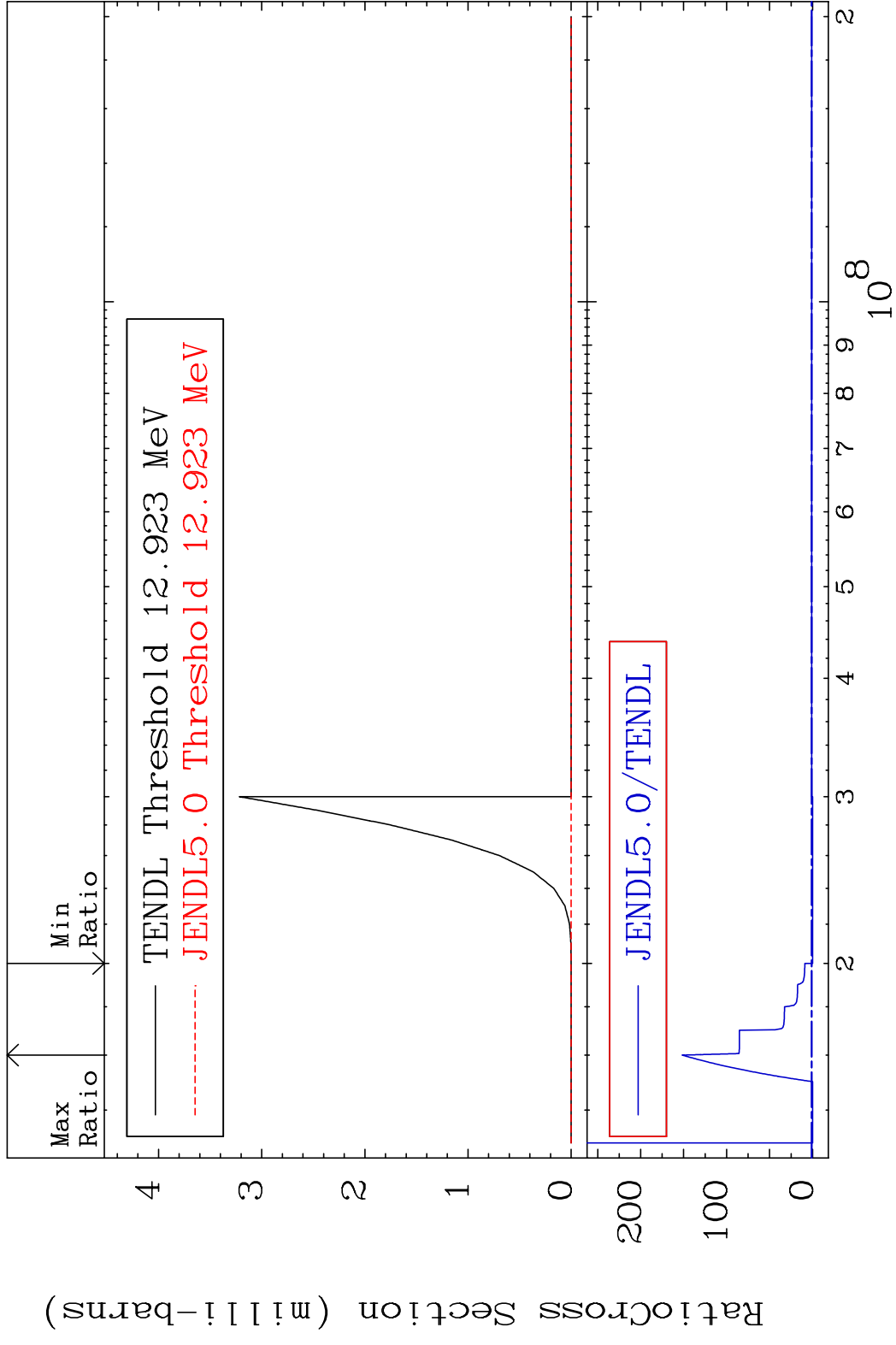


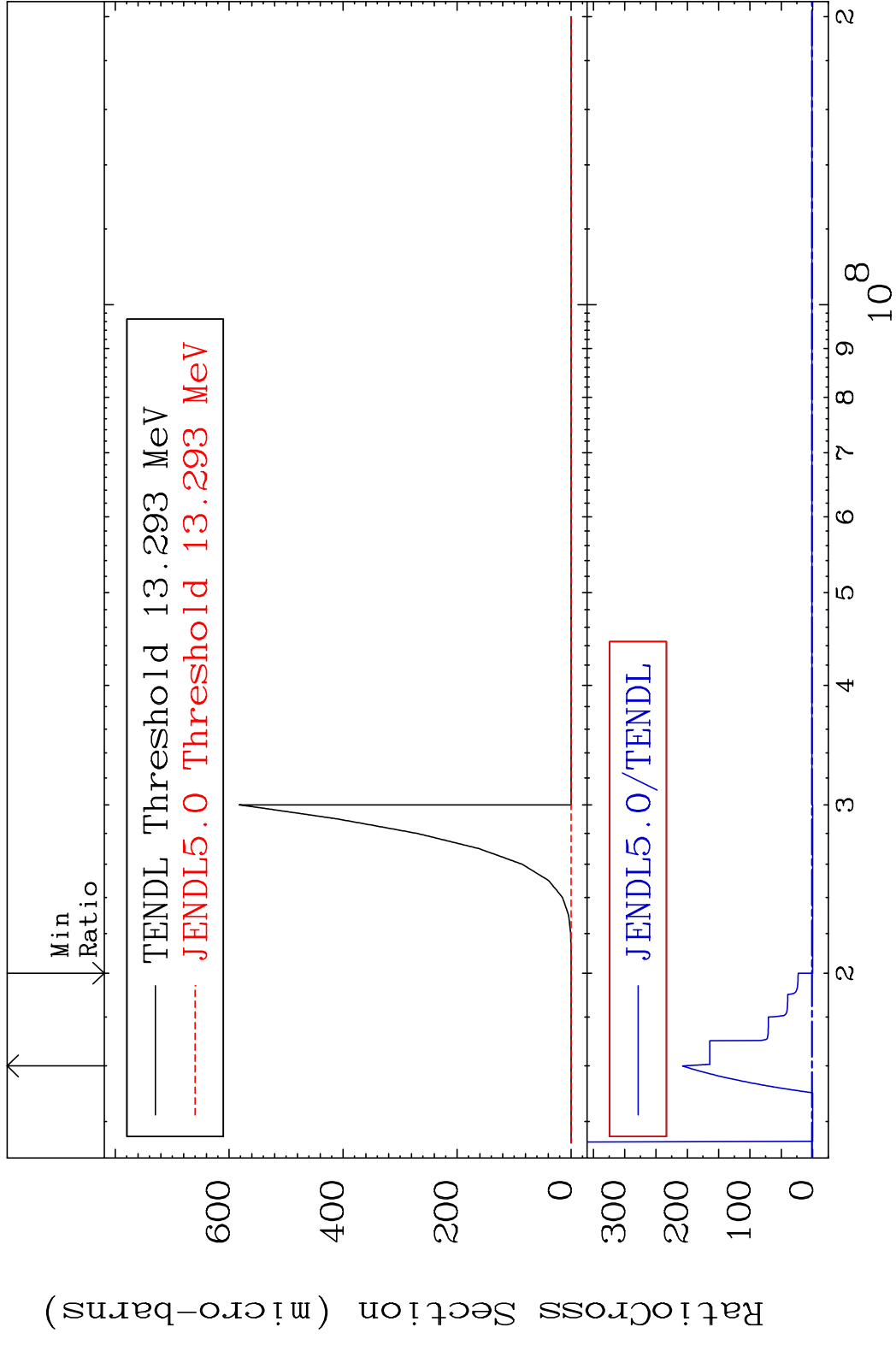
60 Incident Energy (eV) 80-Hg-196

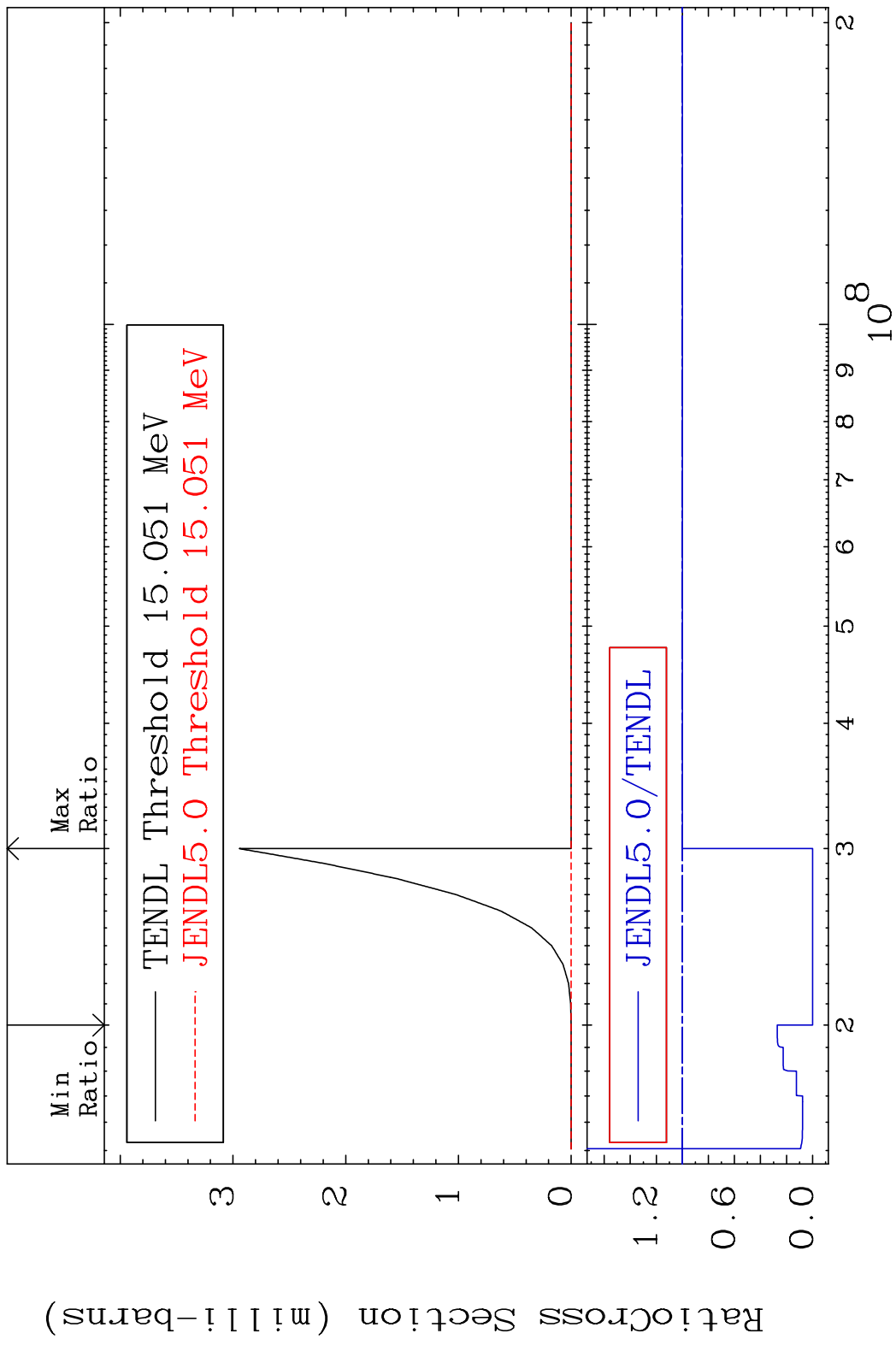


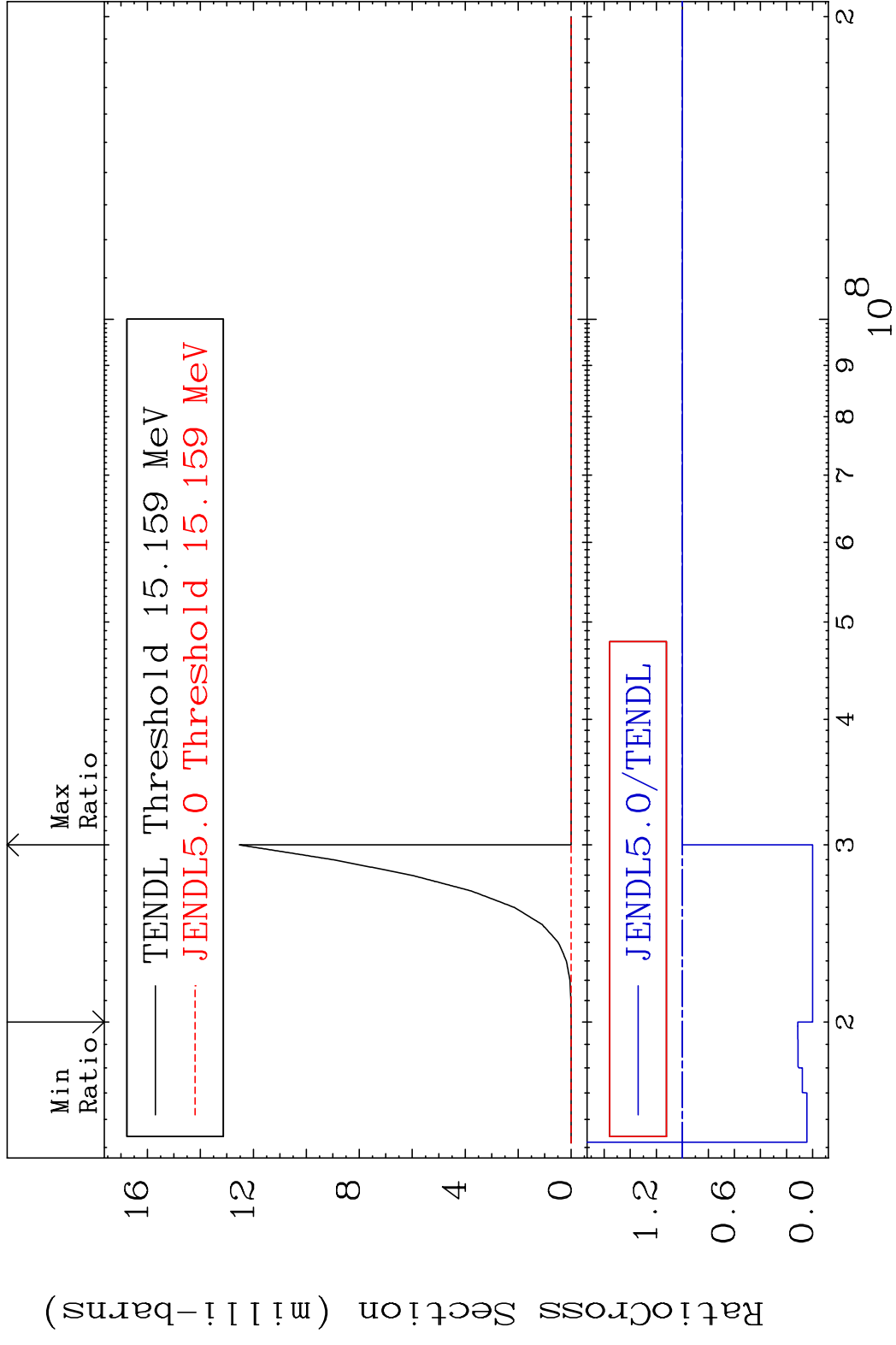


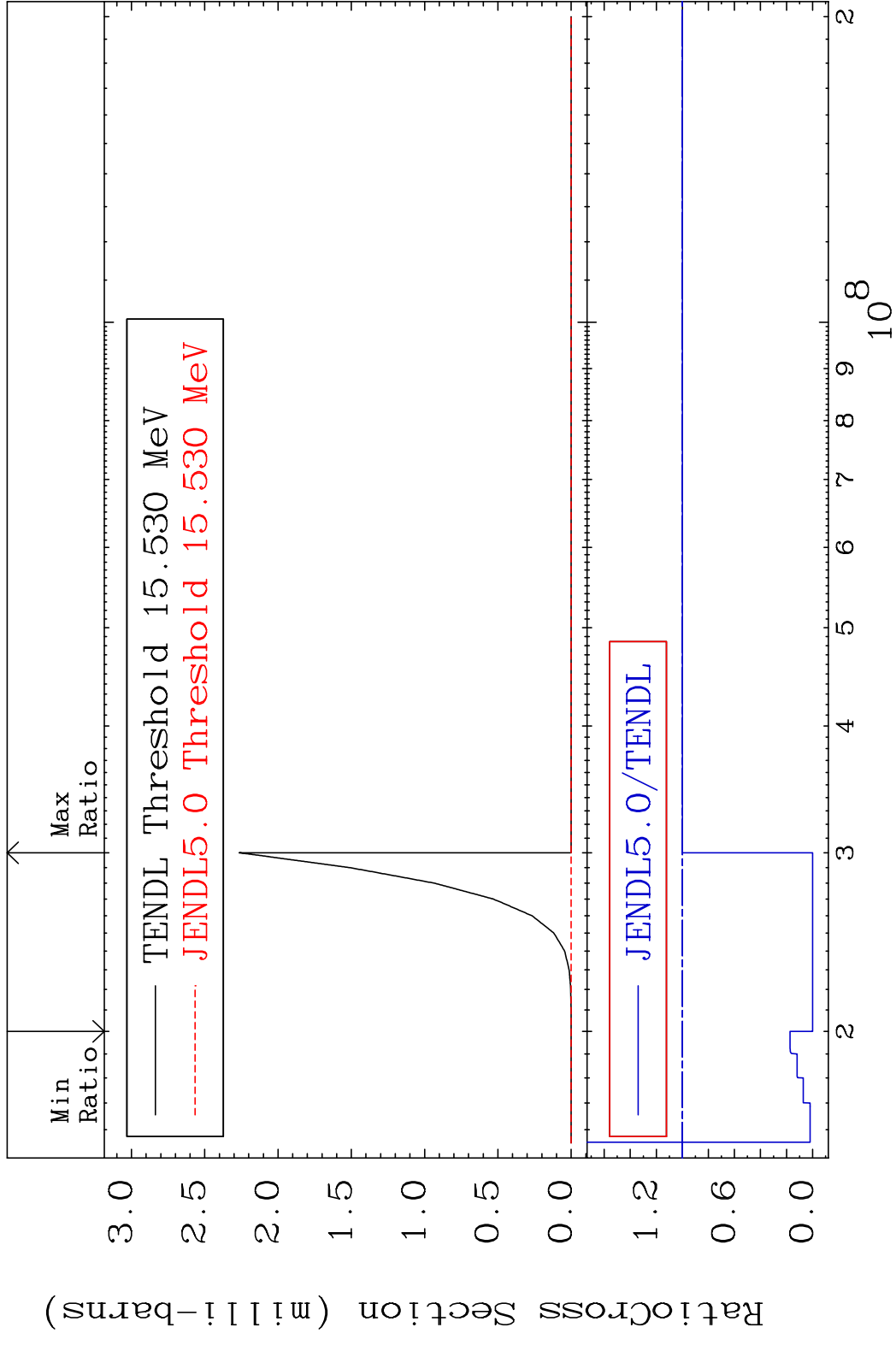




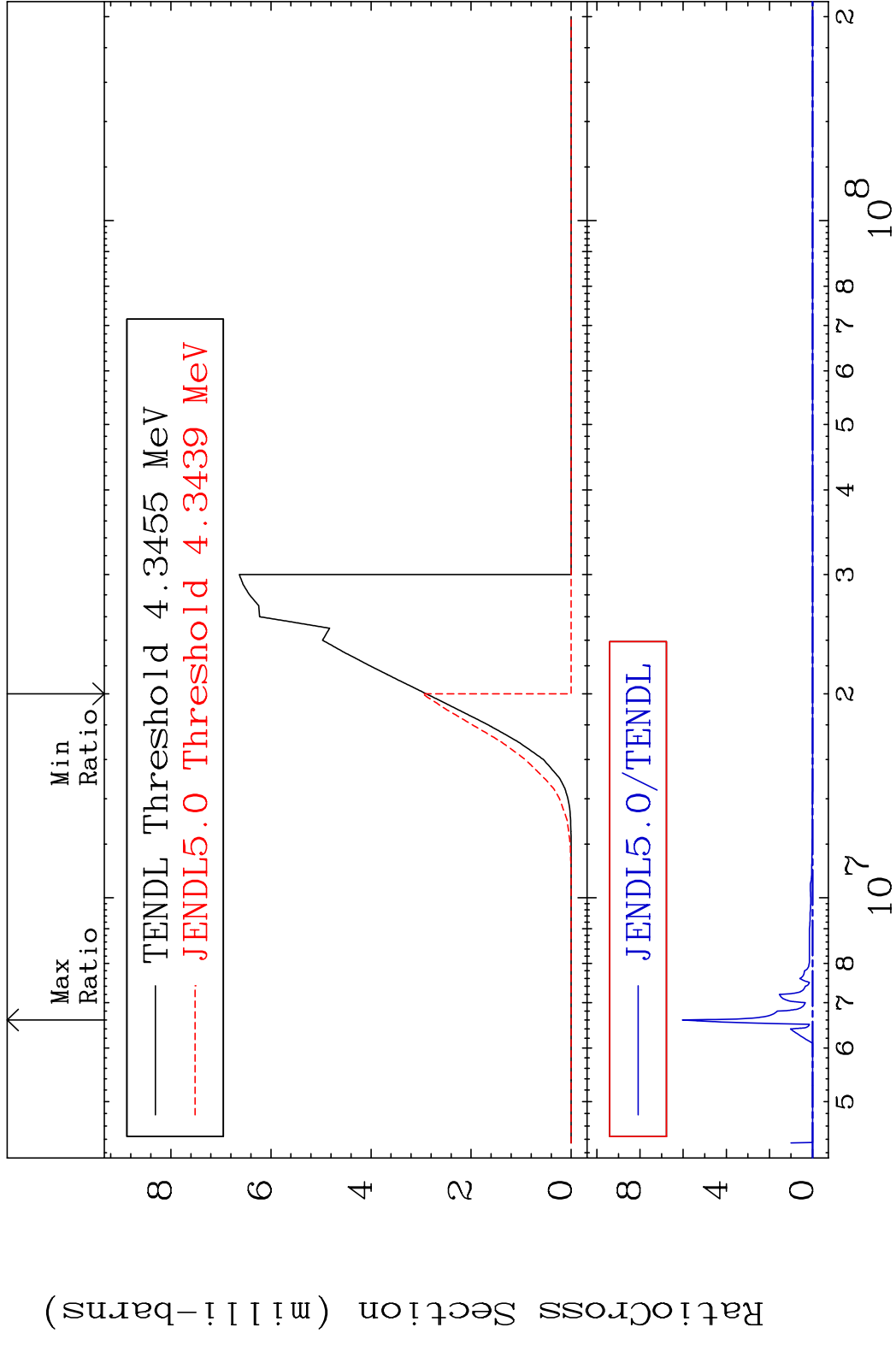




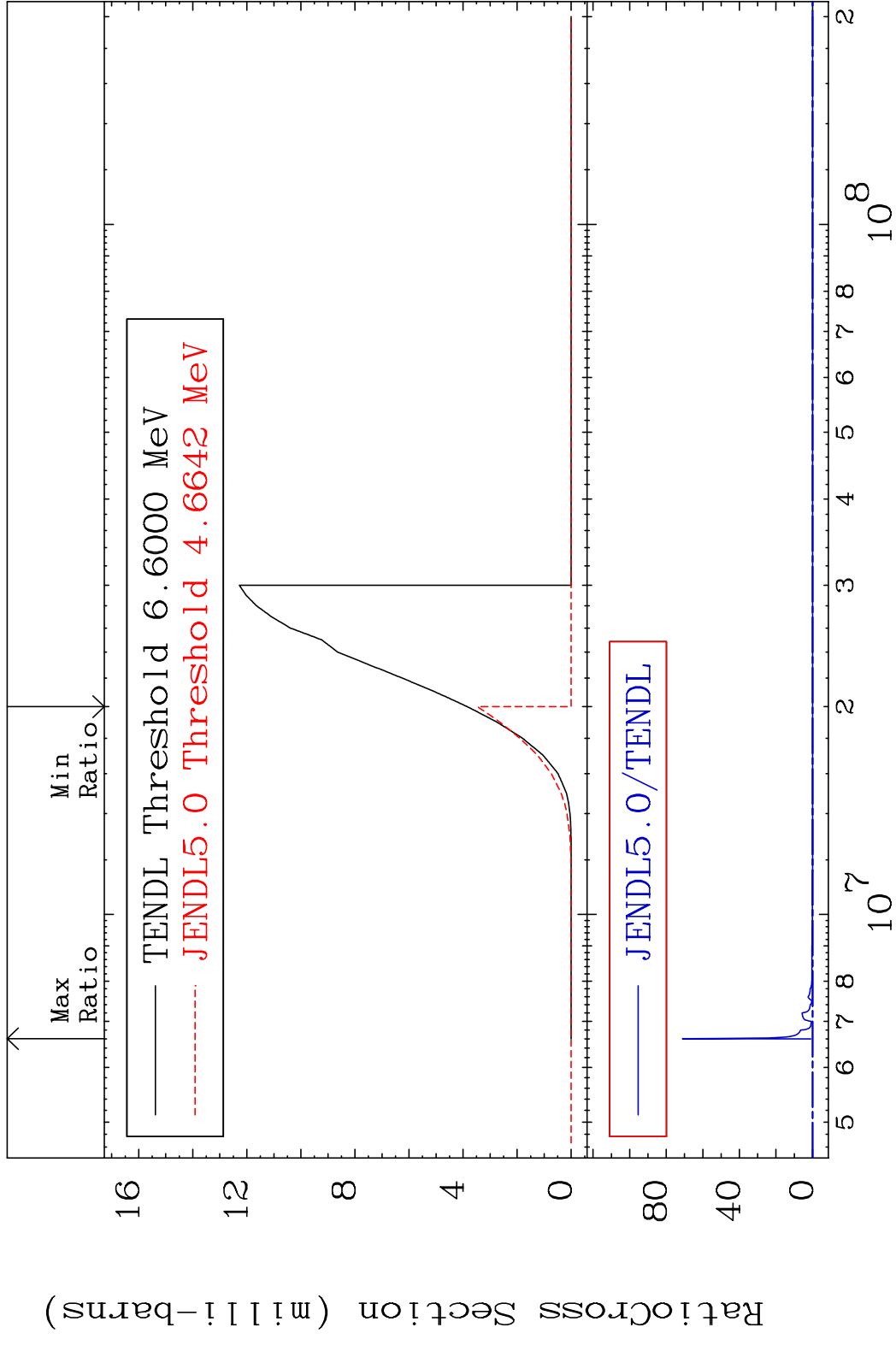




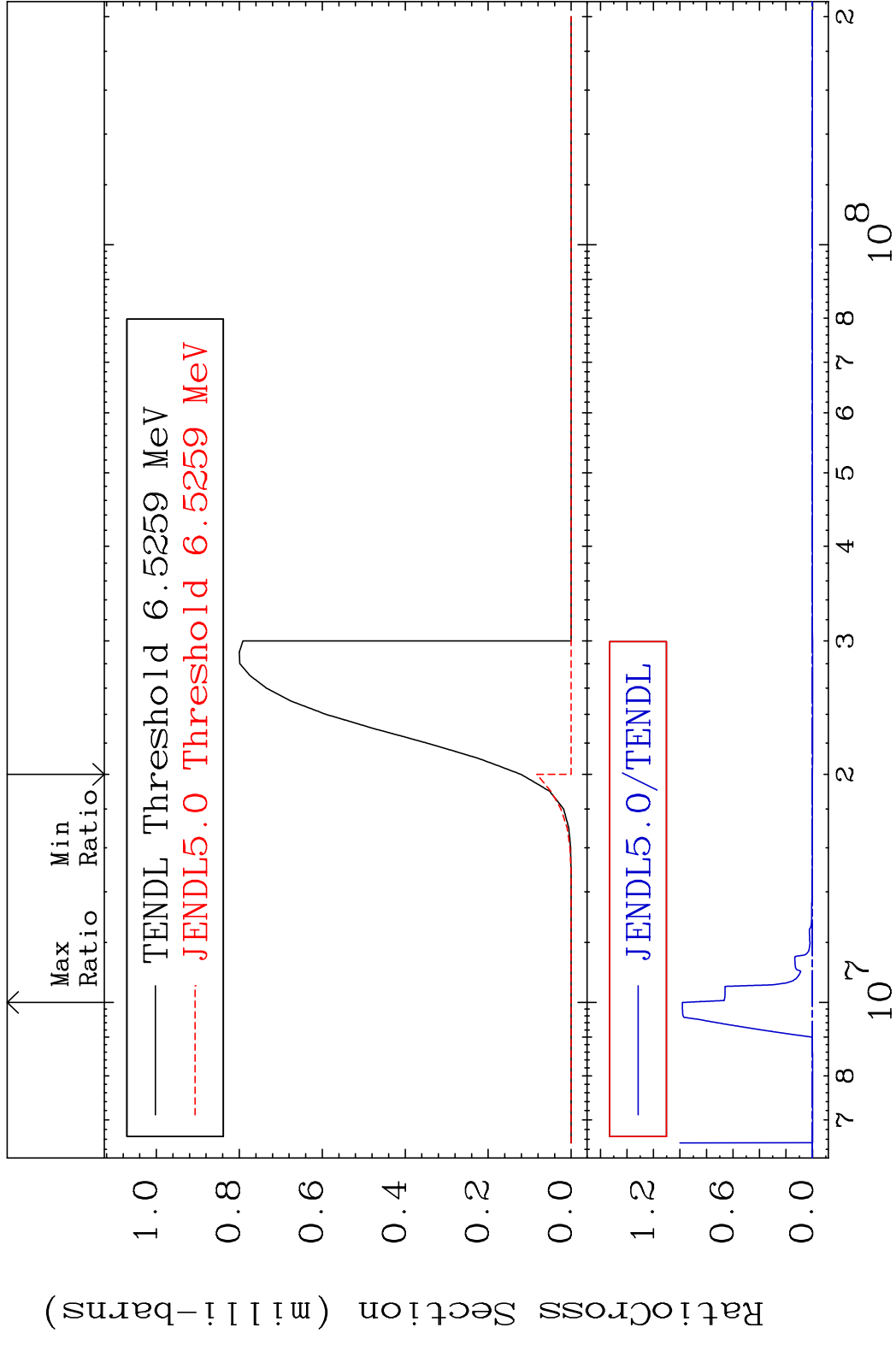
MAT 8025 (n, d):79-Au-195g 80-Hg-196
 Radionuclide Production Cross Section (%)



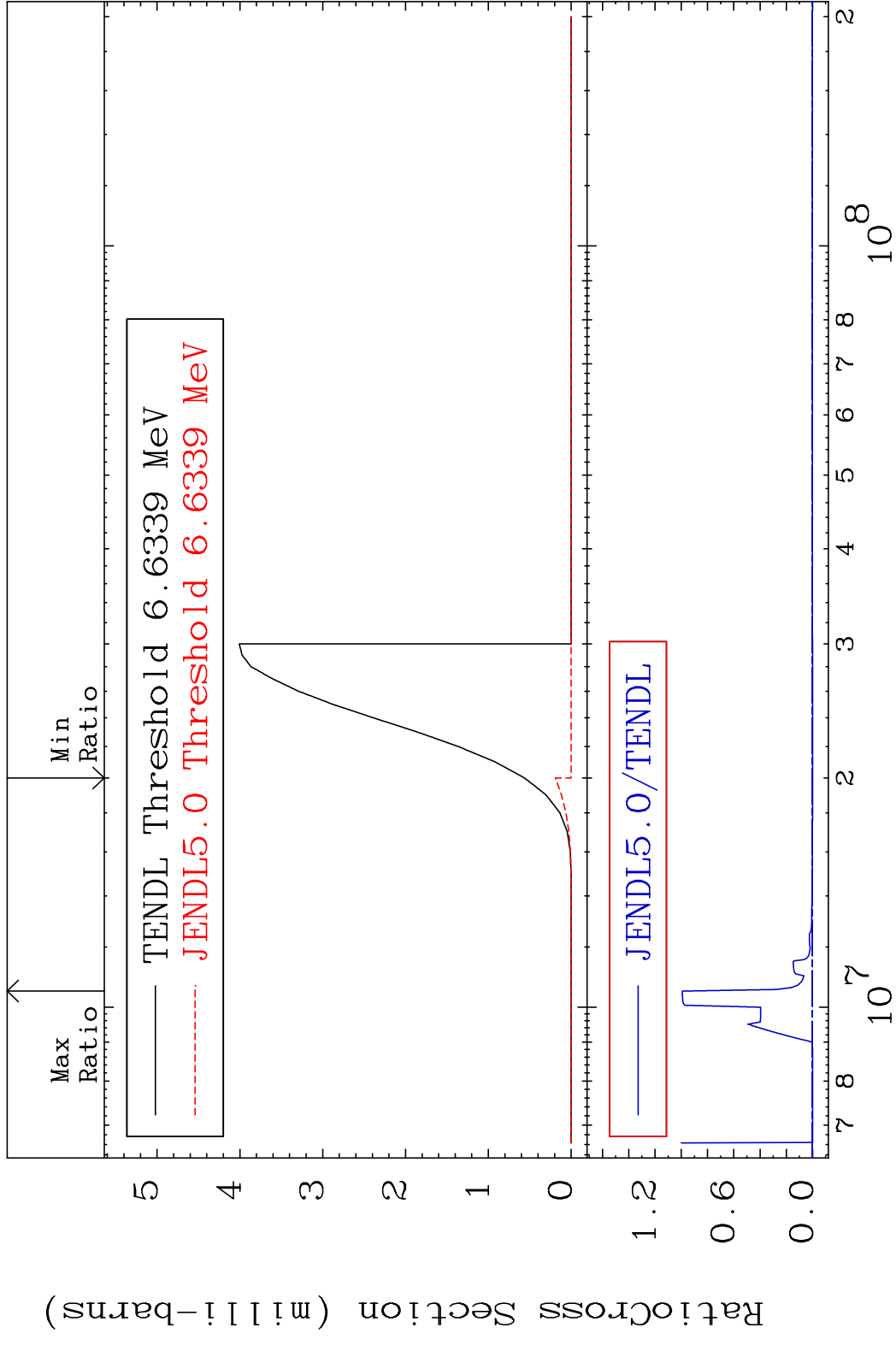
MAT 8025 (n, d):79-Au-195m4 80-Hg-196
 Radionuclide Production Cross Section 100.00 dth 9999. %



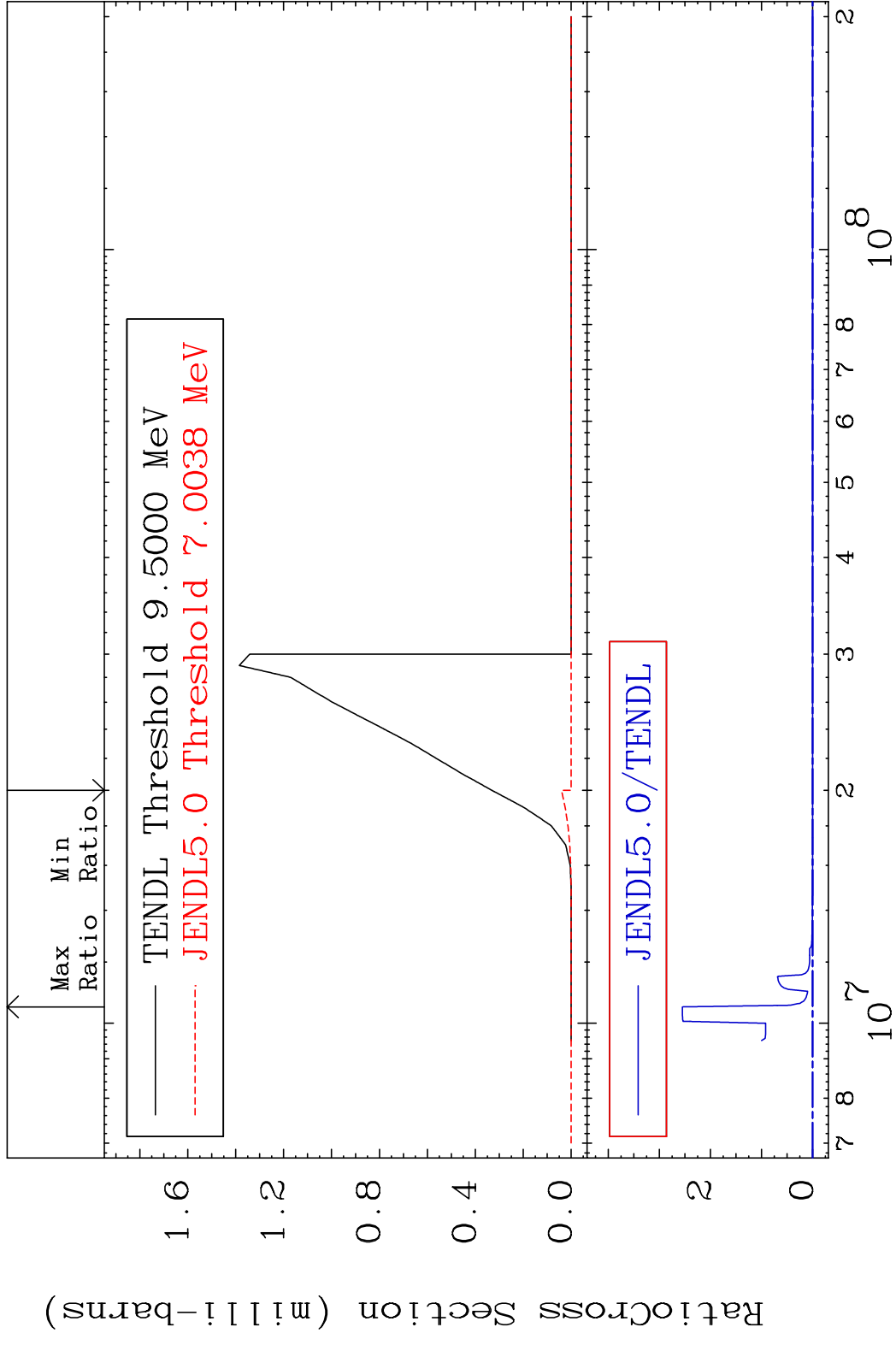
70



MAT 8025 (n, t):79-Au-194m3 80-Hg-196
 Radionuclide Production Cross Section Ratio 9999. %



MAT 8025 (n, t): 79-Au-194m8 80-Hg-196
 Radionuclide Production Cross Section Ratio



73 Incident Energy (eV) 80-Hg-196