

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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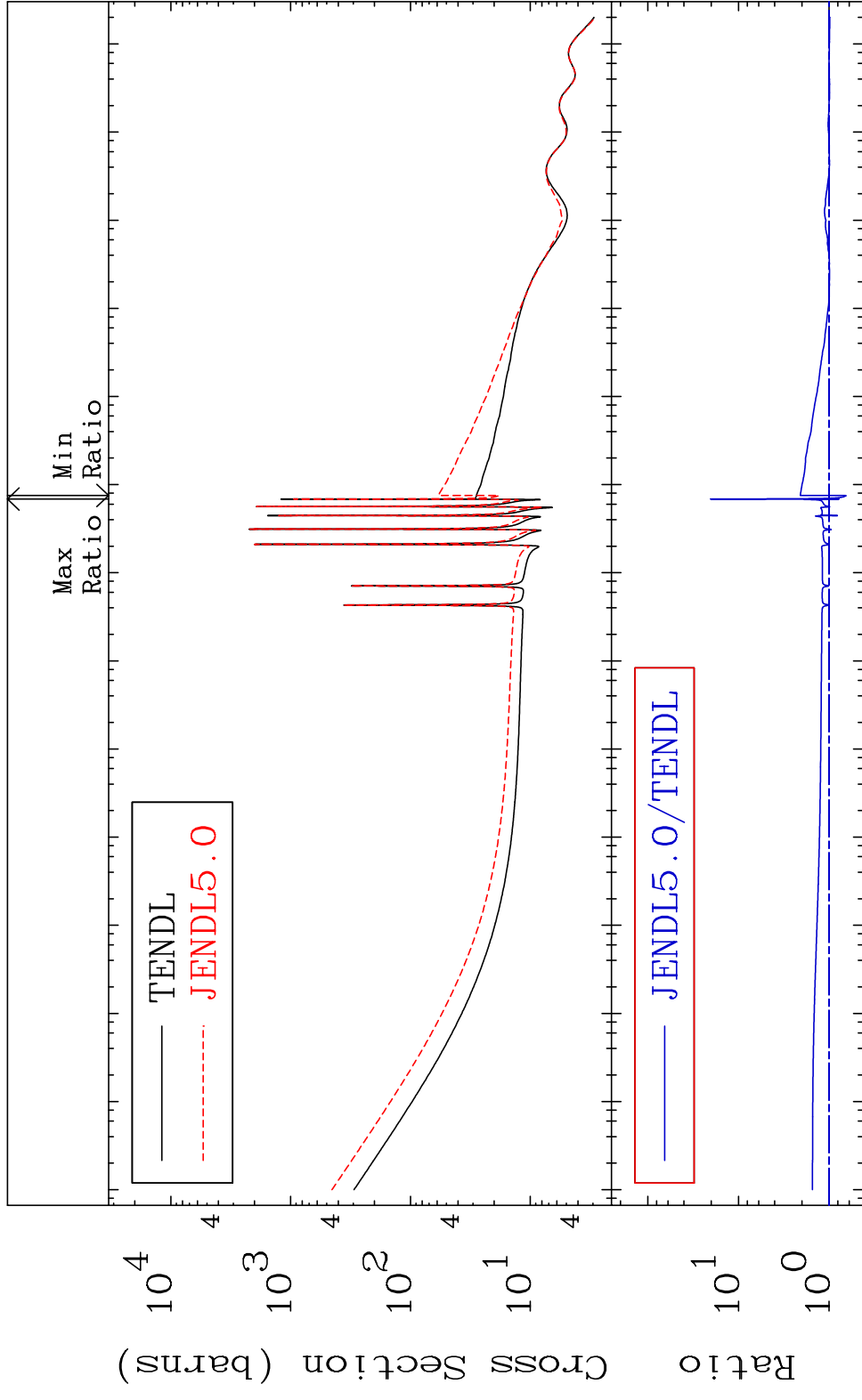
U.S.A.

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

Press Mouse Button to Start

MAT 8040 Total 80-Hg-201
 Cross Section -35.37 To 1927. %



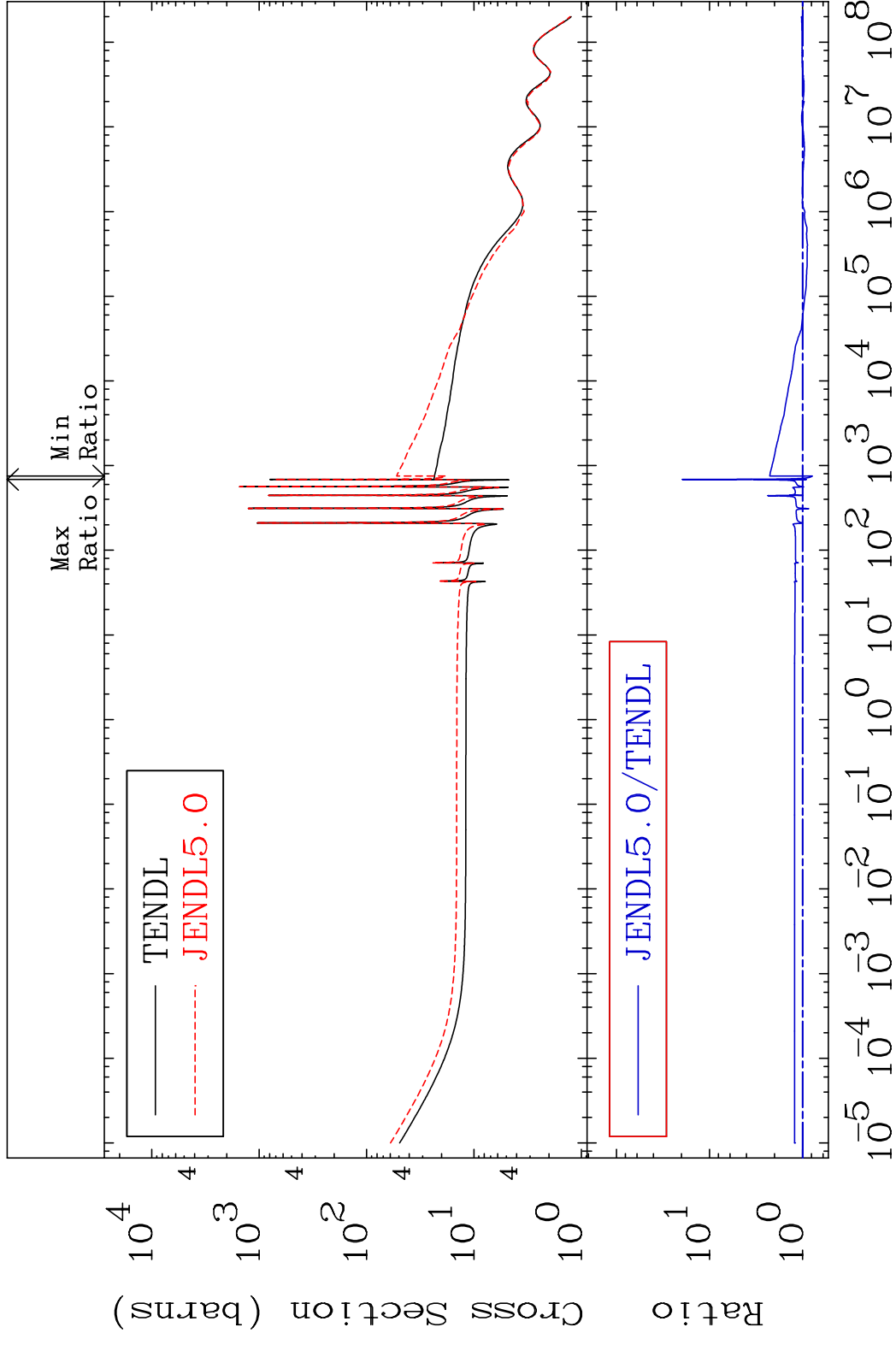
1 Incident Energy (eV) 80-Hg-201

MAT 8040

Elastic

80-Hg-201

Cross Section -22.07 To 1854. %

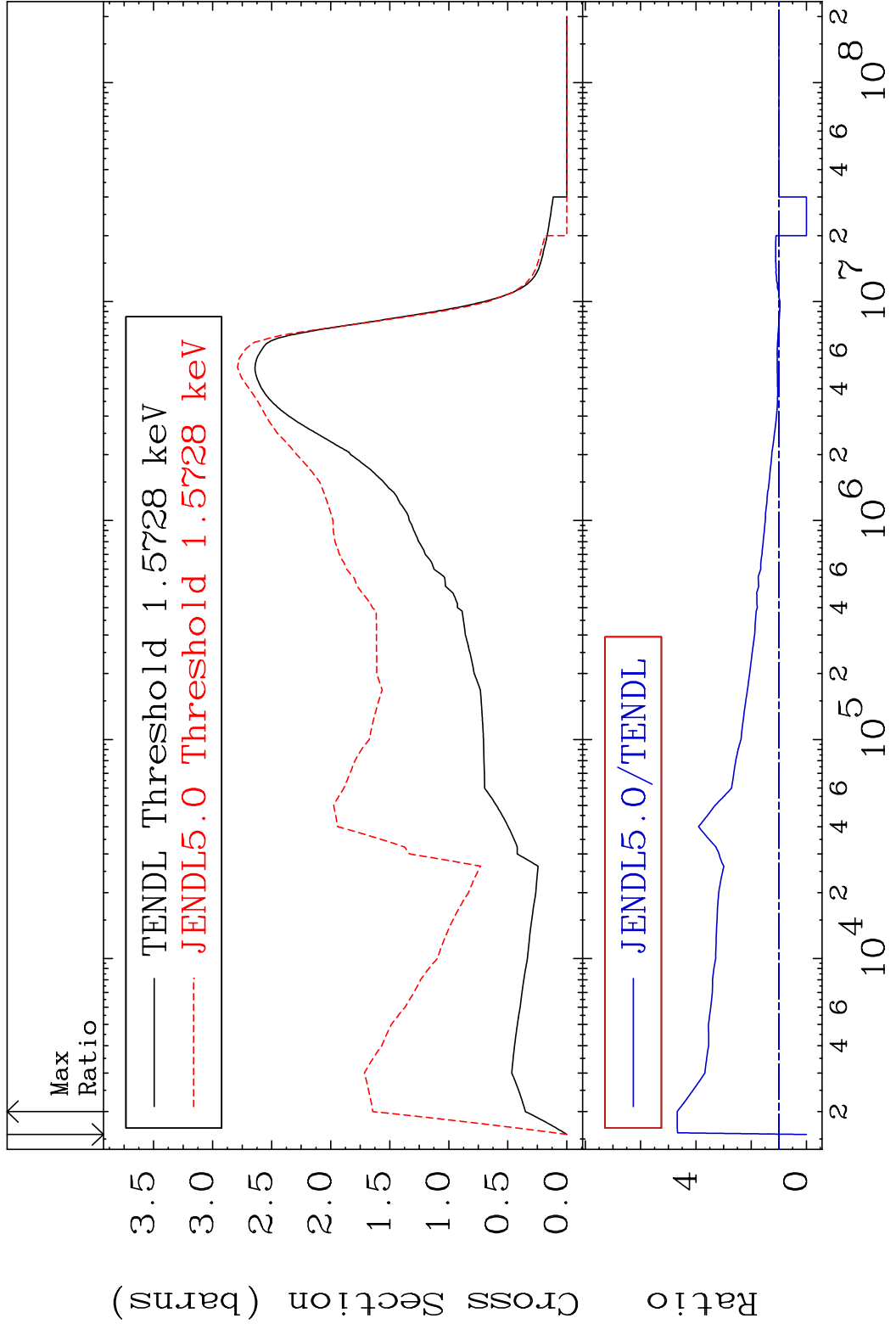


2

Incident Energy (eV)

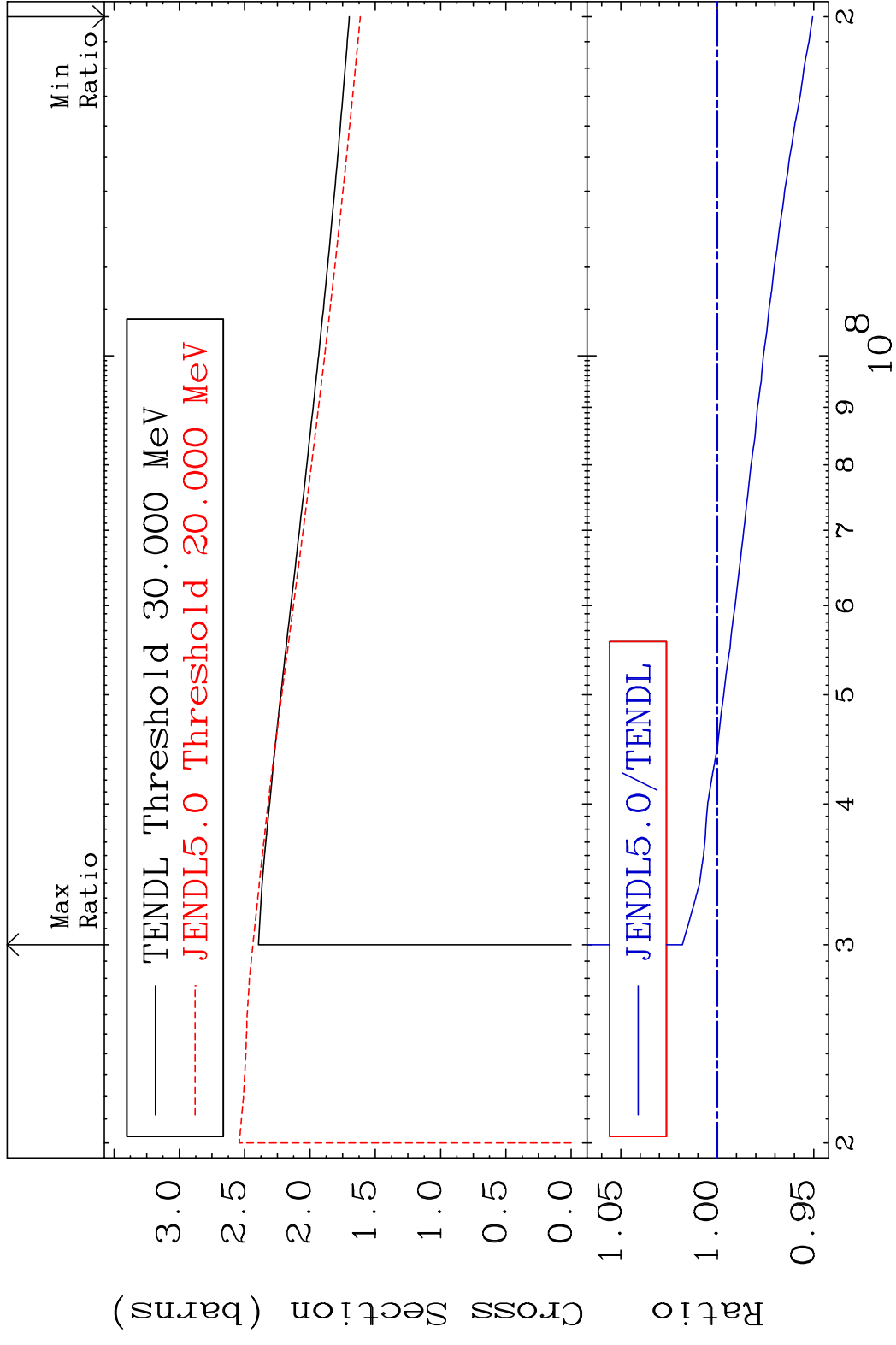
80-Hg-201

MAT 8040 Inelastic 80-Hg-201
 Cross Section -100.0 To 367.8 %



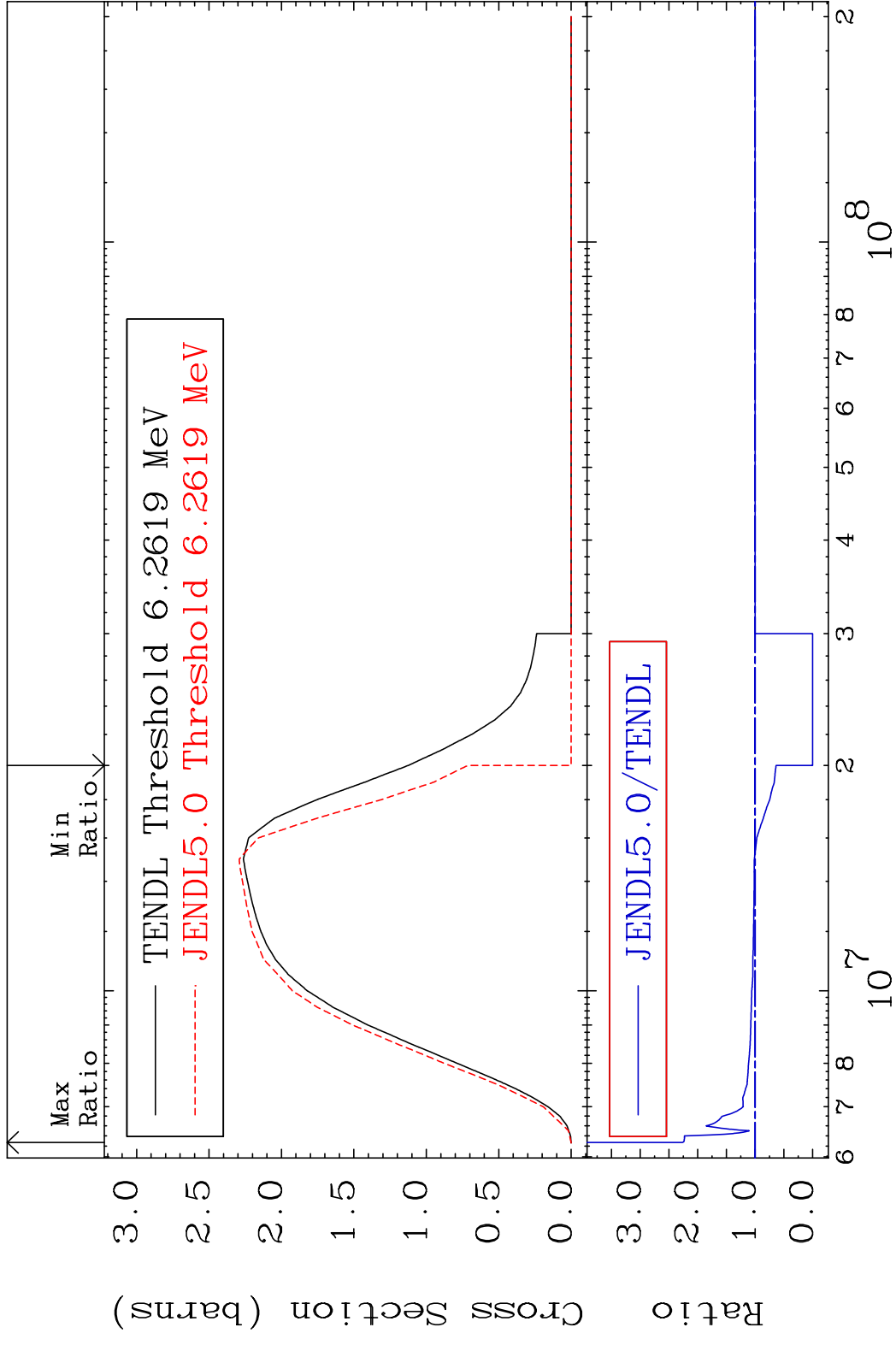
3 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, remainder) 80-Hg-201
 Cross Section -4.943 To 1.809 %



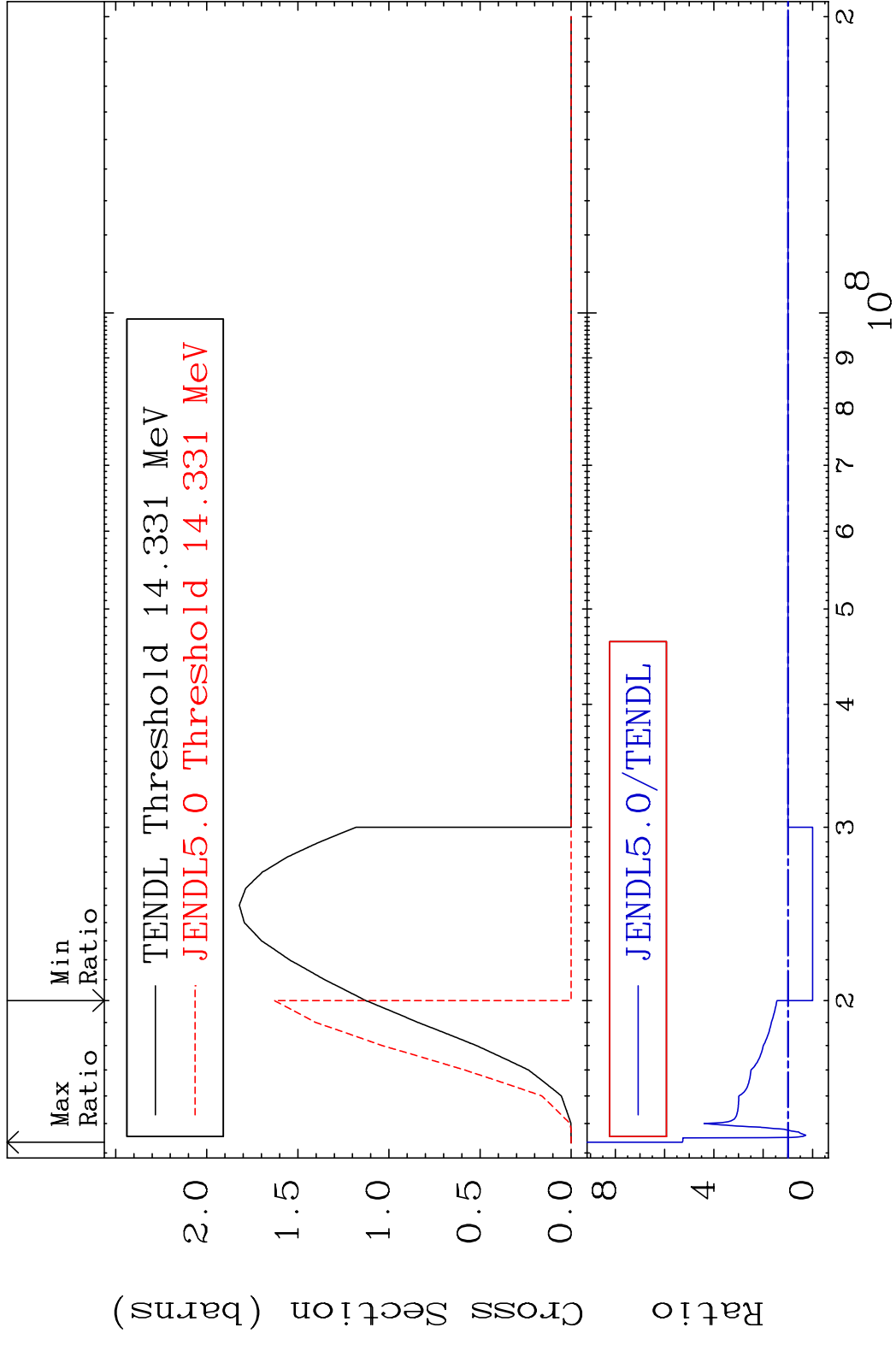
4 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,2n) 80-Hg-201
 Cross Section -100.0 To 126.5 %



5 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,3n) 80-Hg-201
 Cross Section -100.0 To 427.9 %



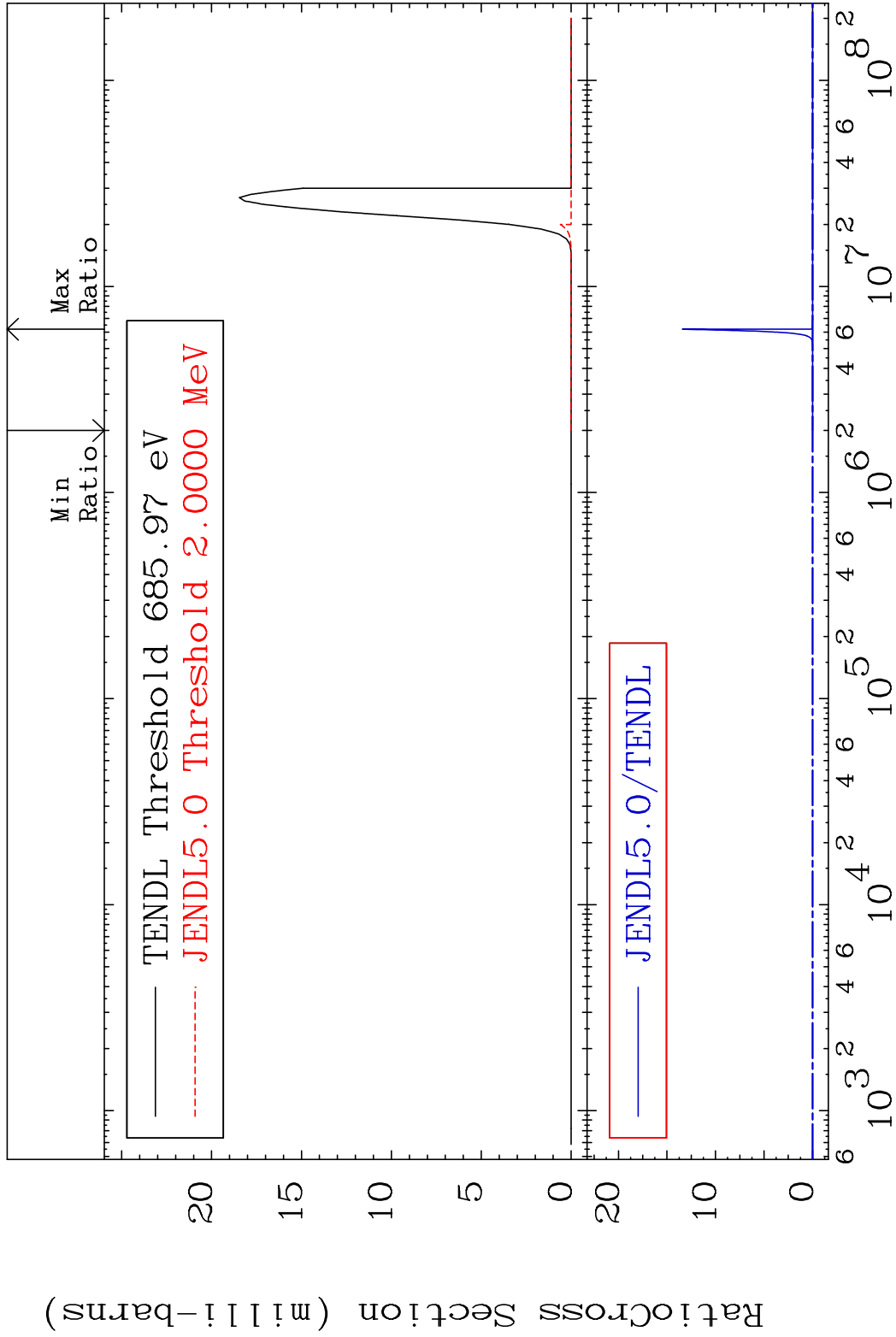
6 Incident Energy (eV) 80-Hg-201

MAT 8040

(n, n') α

80-Hg-201

Cross Section -100.0 To 9999. %

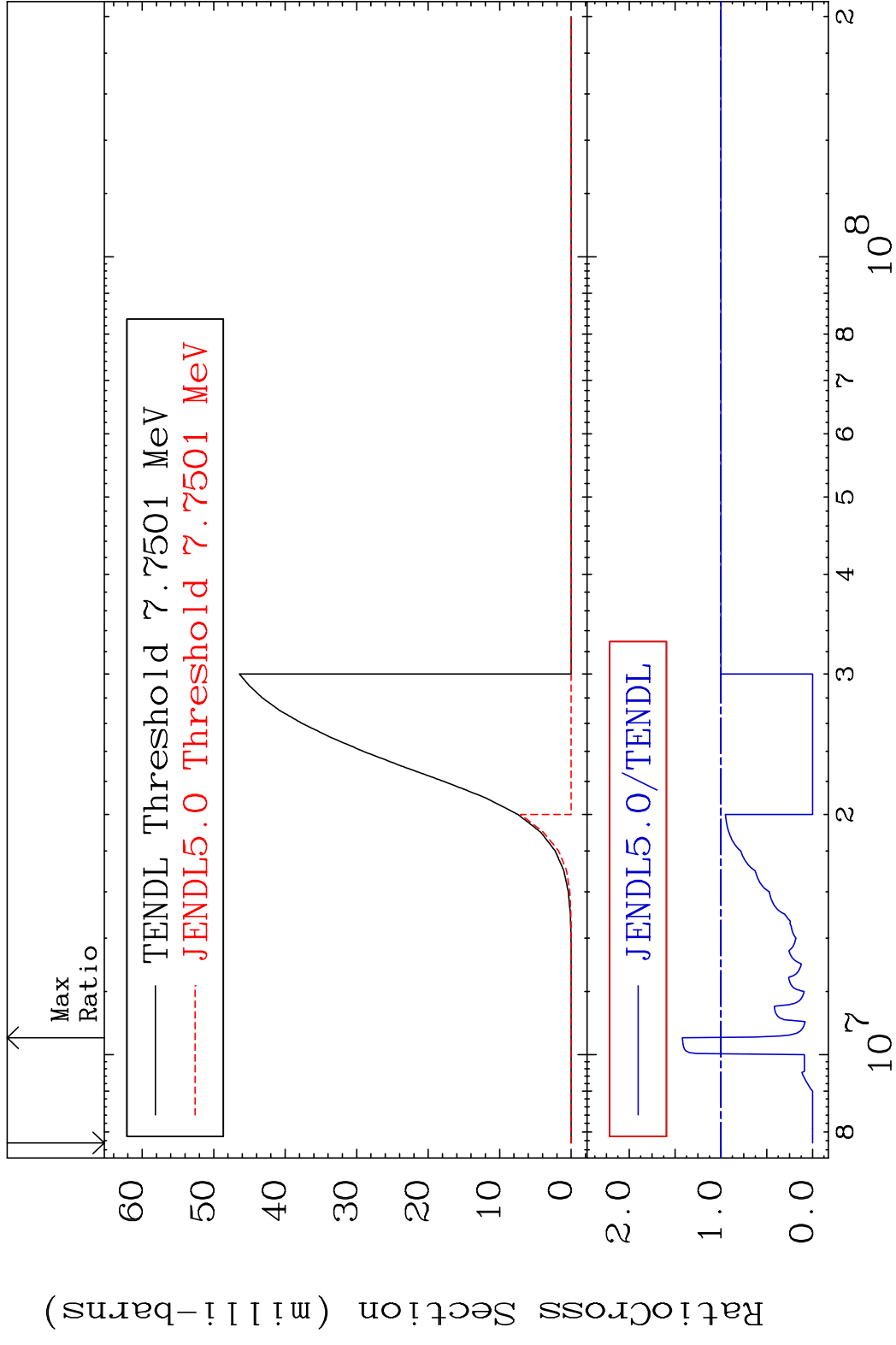


7

Incident Energy (eV)

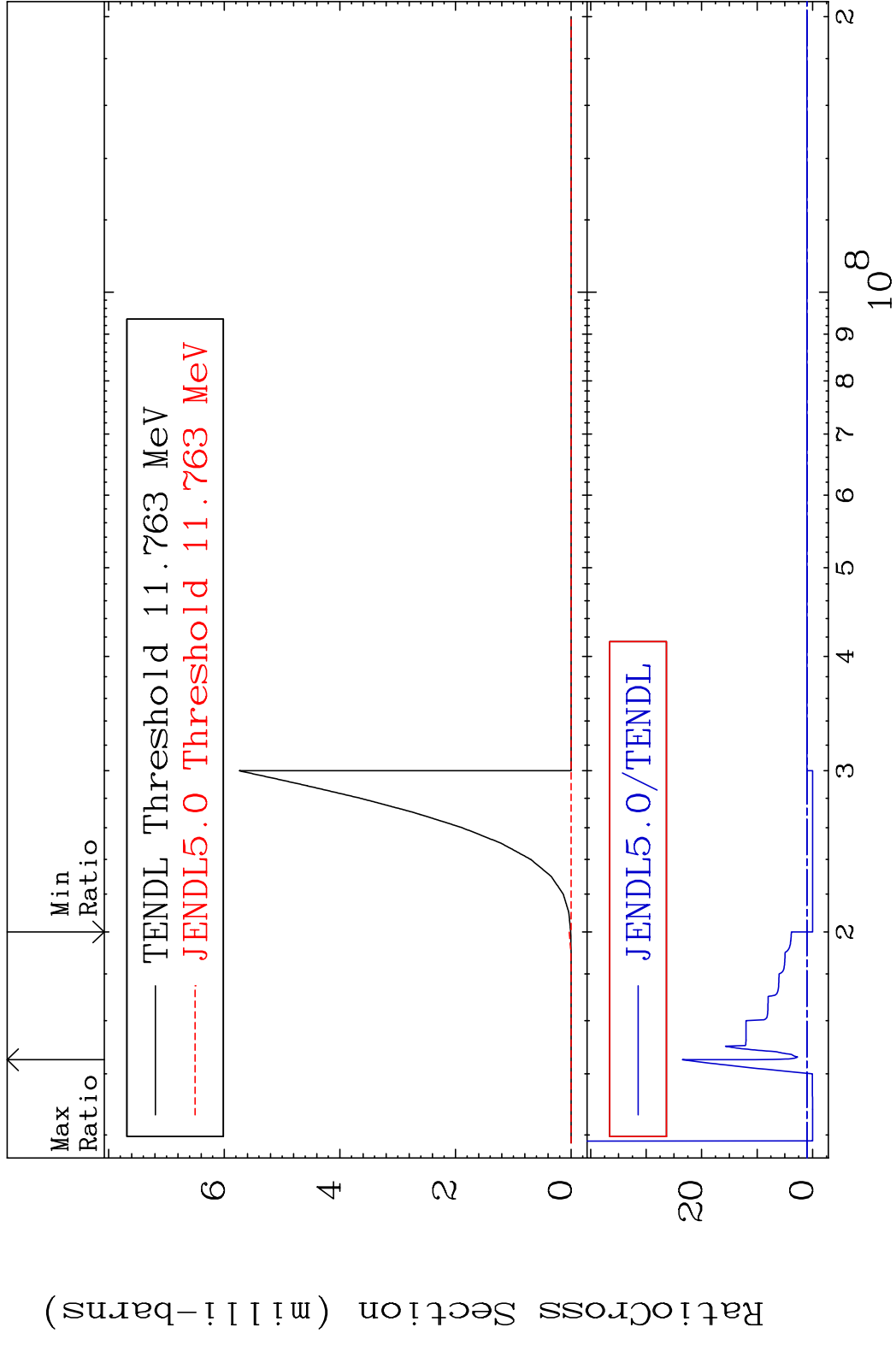
80-Hg-201

MAT 8040 (n, n') p 80-Hg-201
 Cross Section -100.0 To 42.06 %

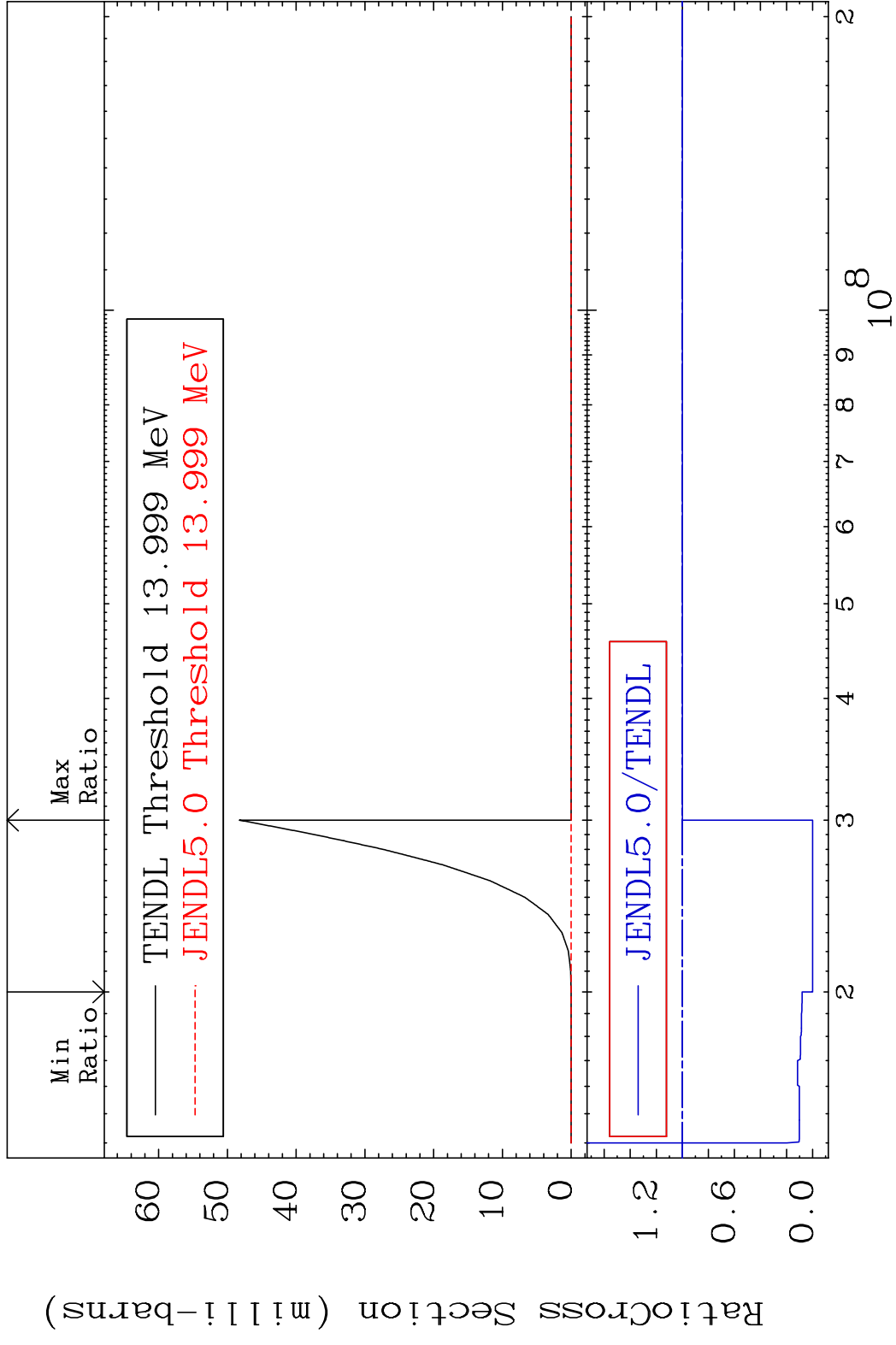


8 8 80-Hg-201

MAT 8040 (n, n') d 80-Hg-201
 Cross Section -100.0 To 2248. %

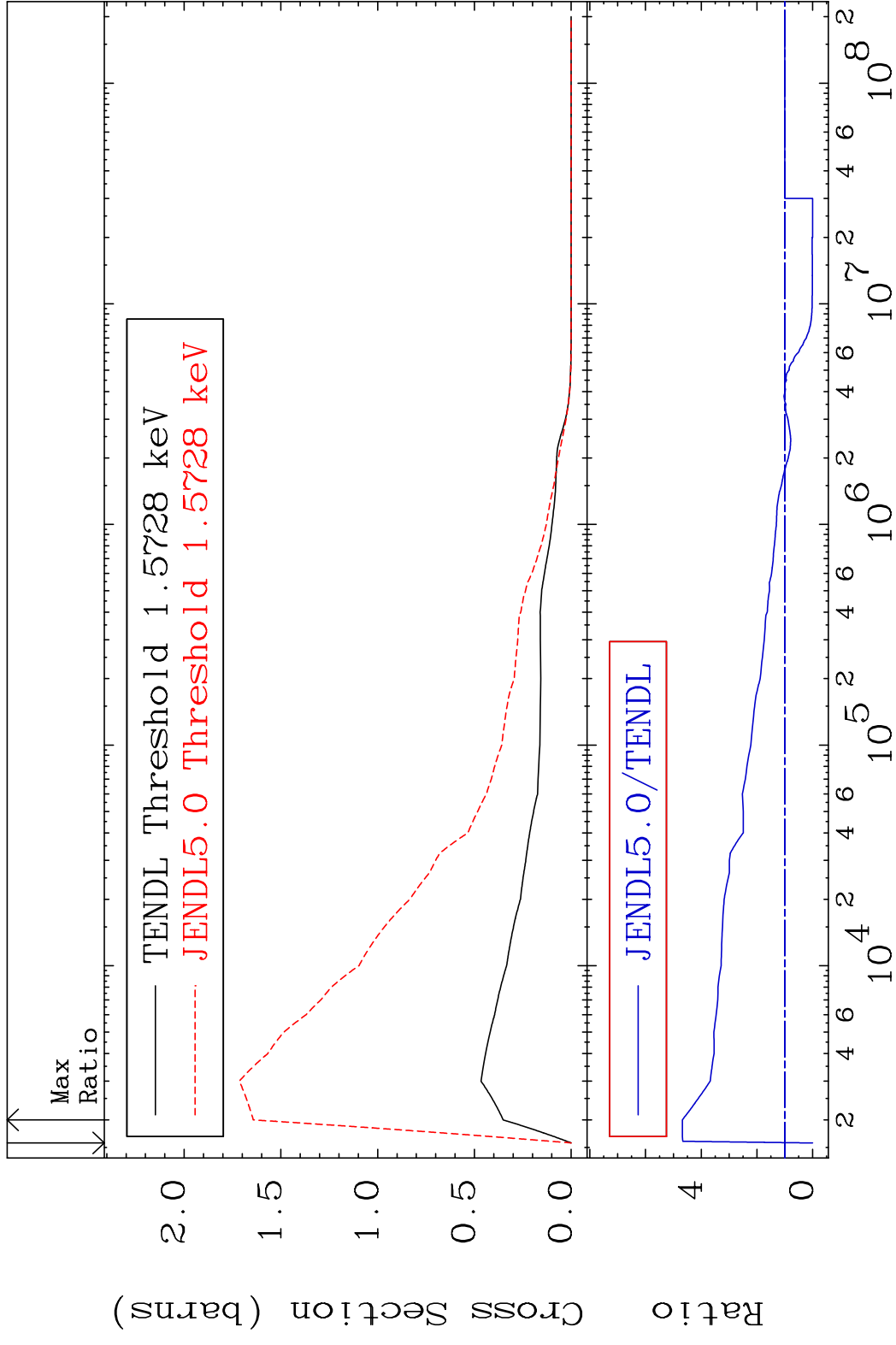


MAT 8040 (n,2n) p 80-Hg-201
 Cross Section -100.0 To 0.000 %

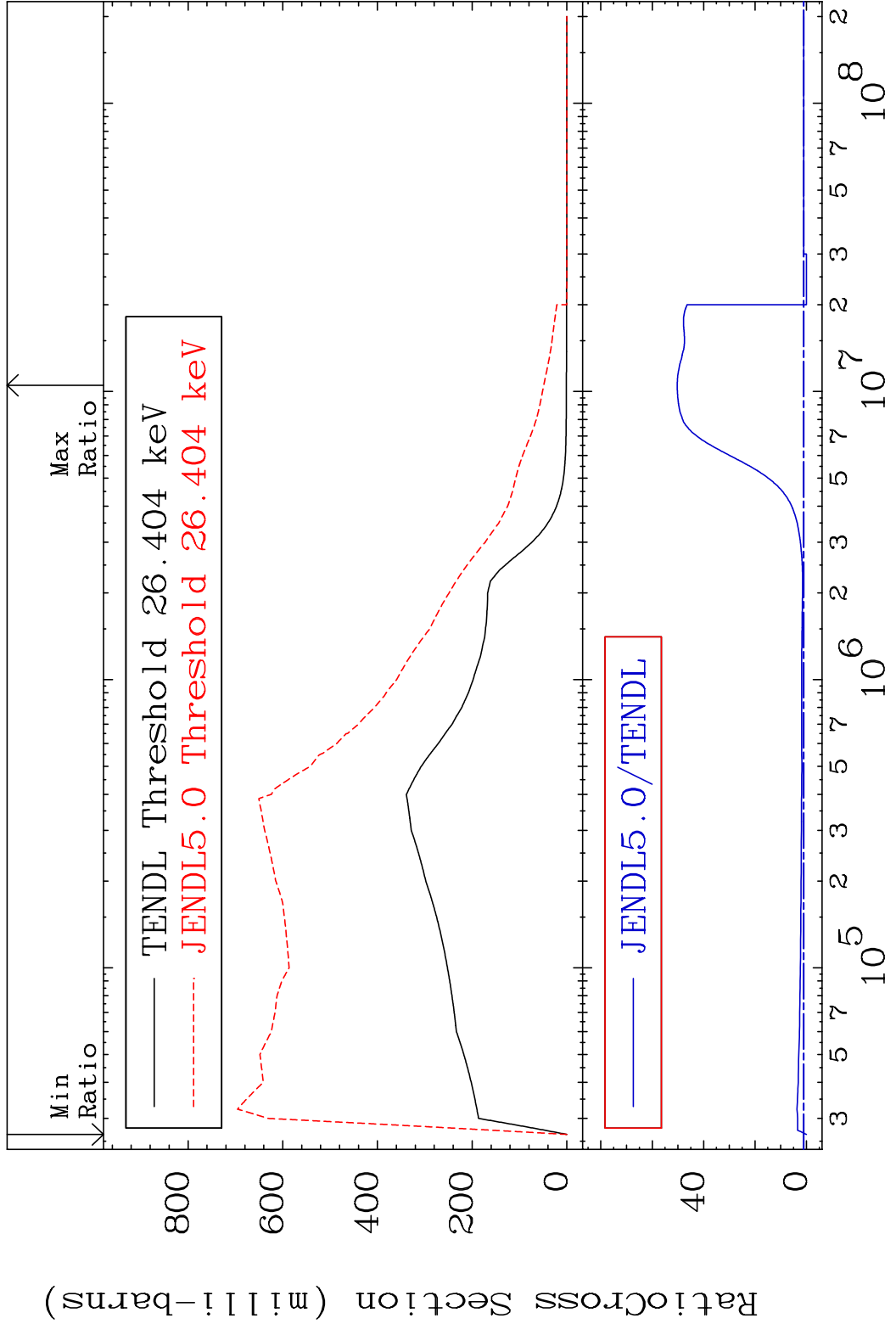


10 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 51 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 367.8 %

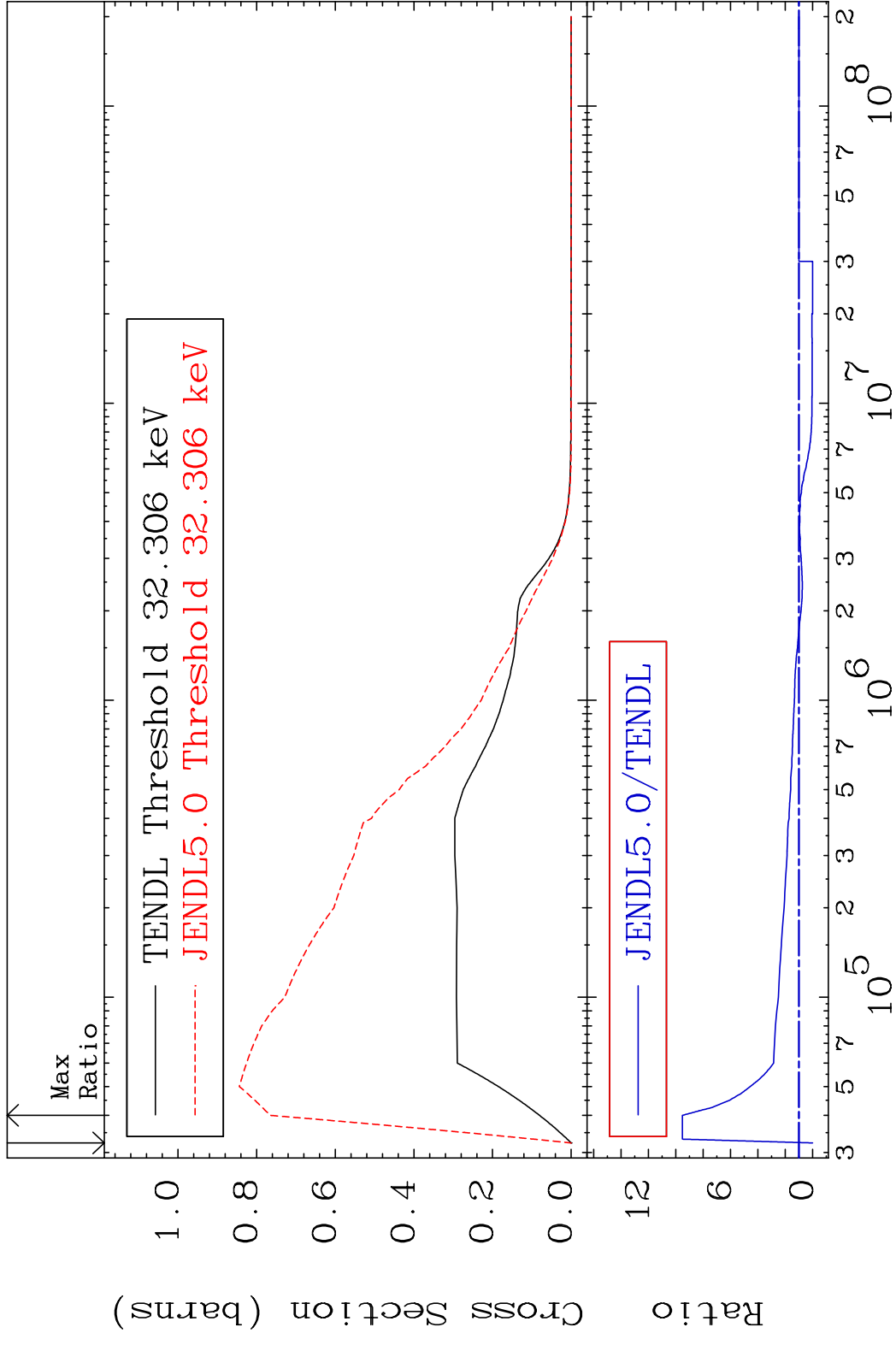


MAT 8040 MT= 52 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 4928. %

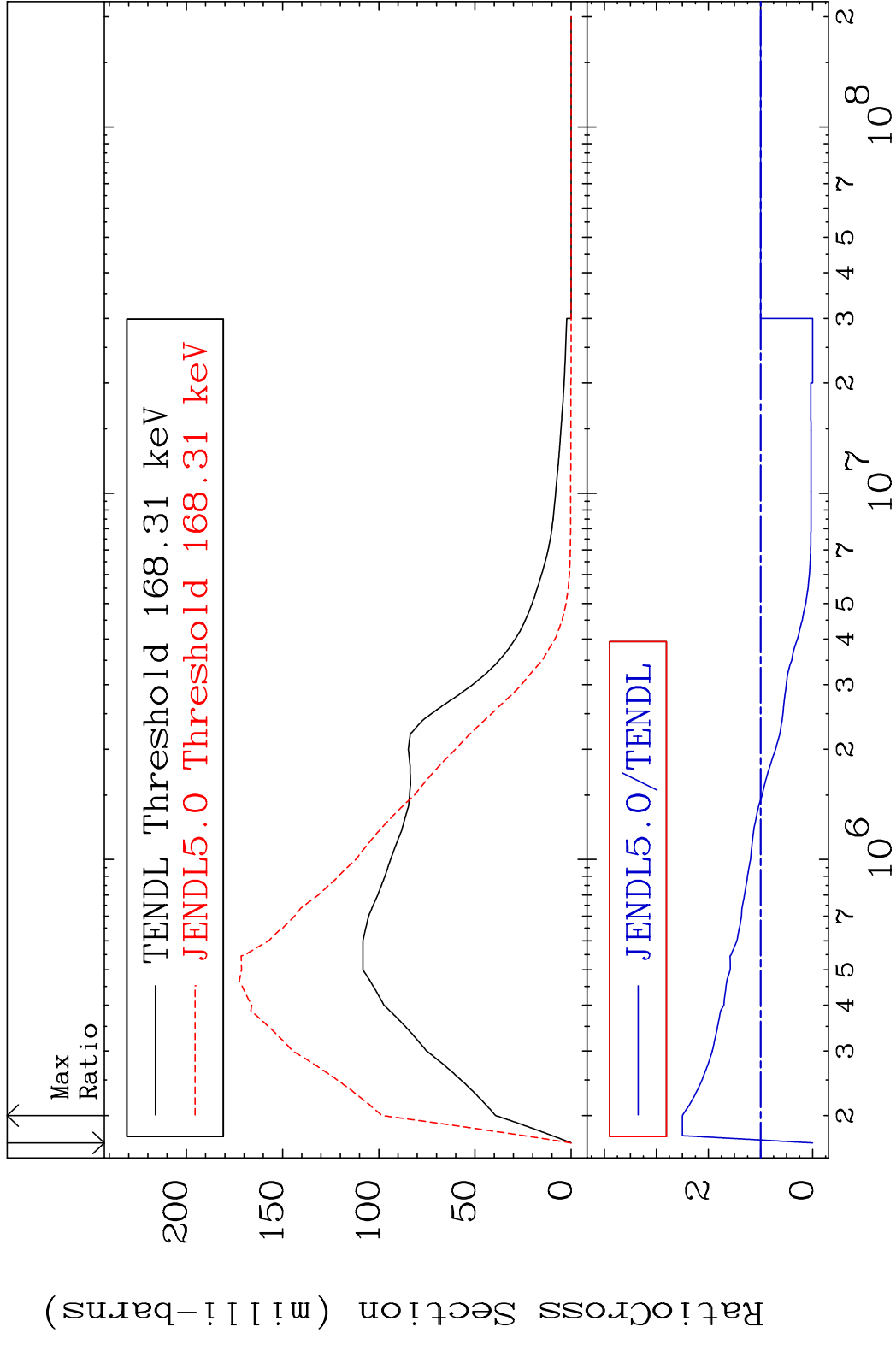


12 80-Hg-201

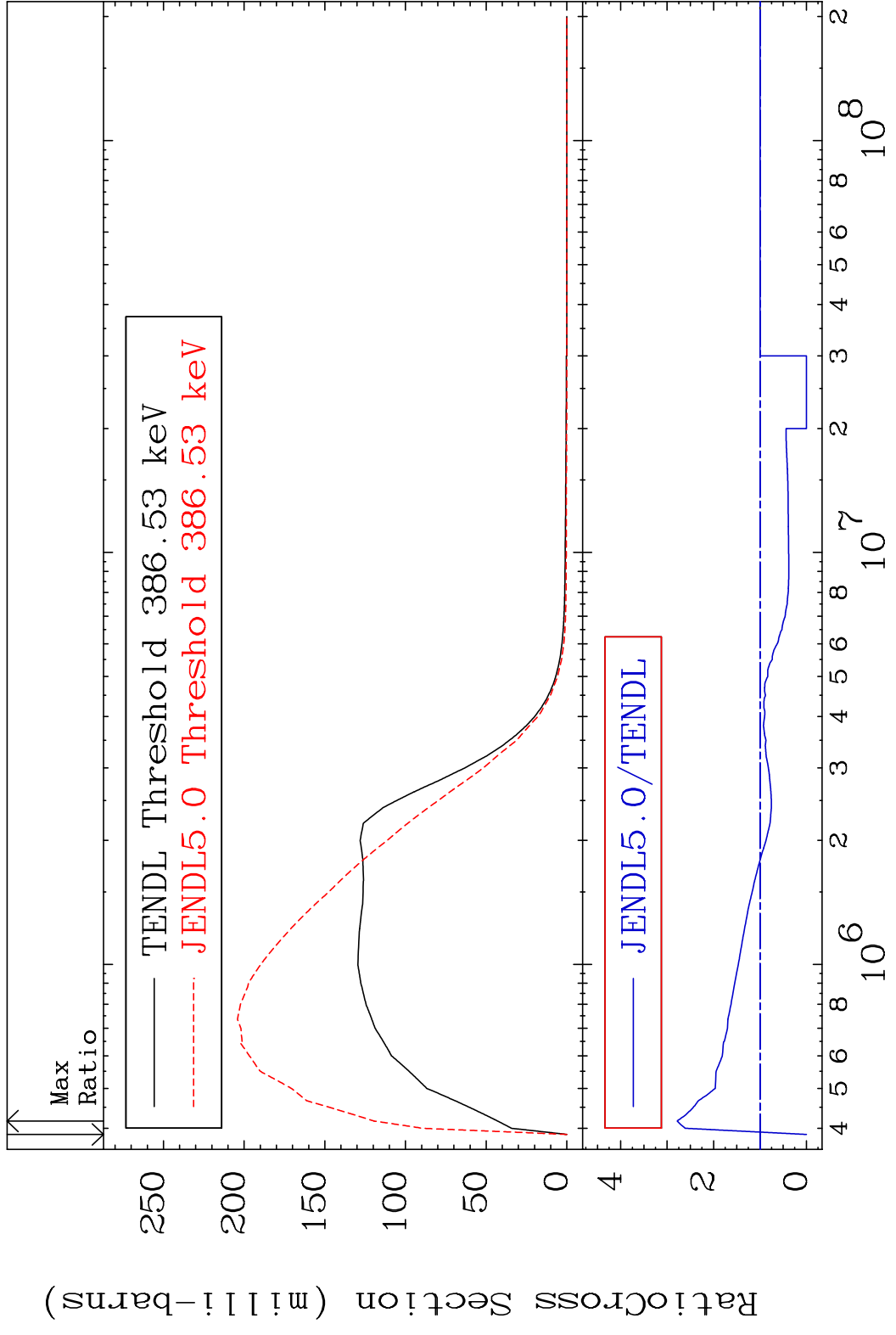
MAT 8040 MT= 53 (n,n') Level 80-Hg-201
 Cross Section -100.0 To 851.5 %



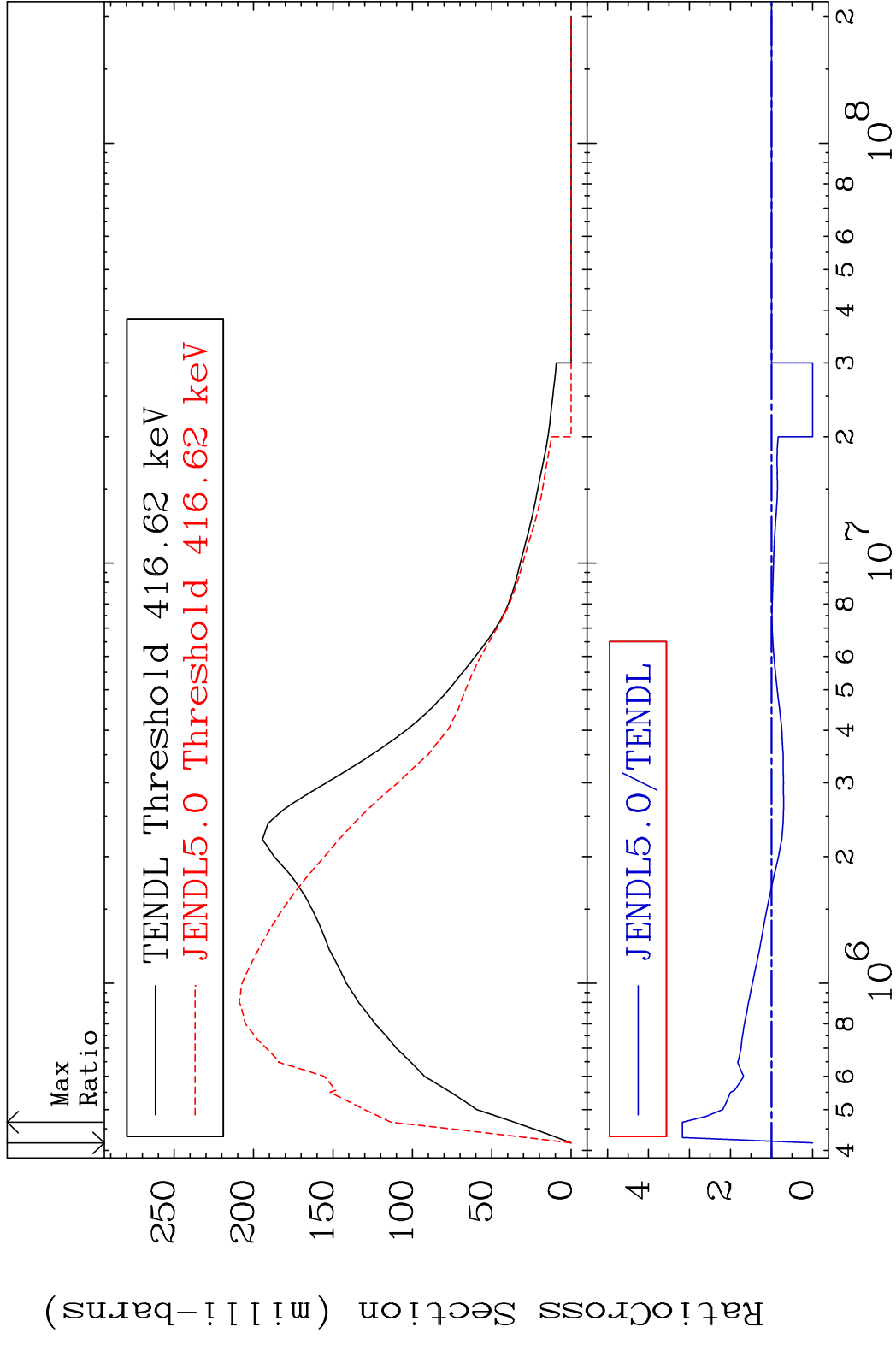
MAT 8040 MT= 54 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 150.2 %



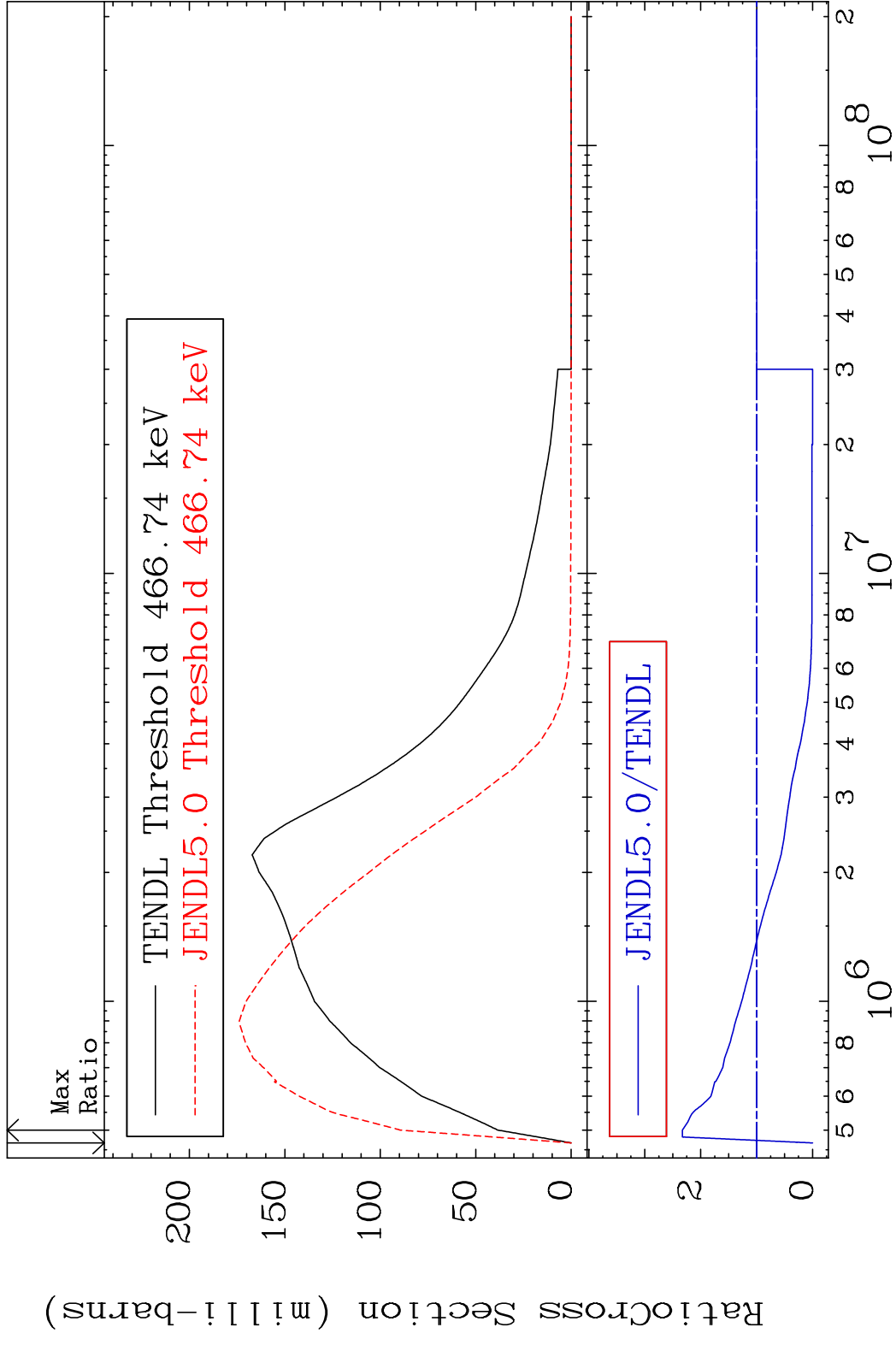
MAT 8040 MT= 55 (n,n') Level 80-Hg-201
 Cross Section -100.0 To 178.3 %



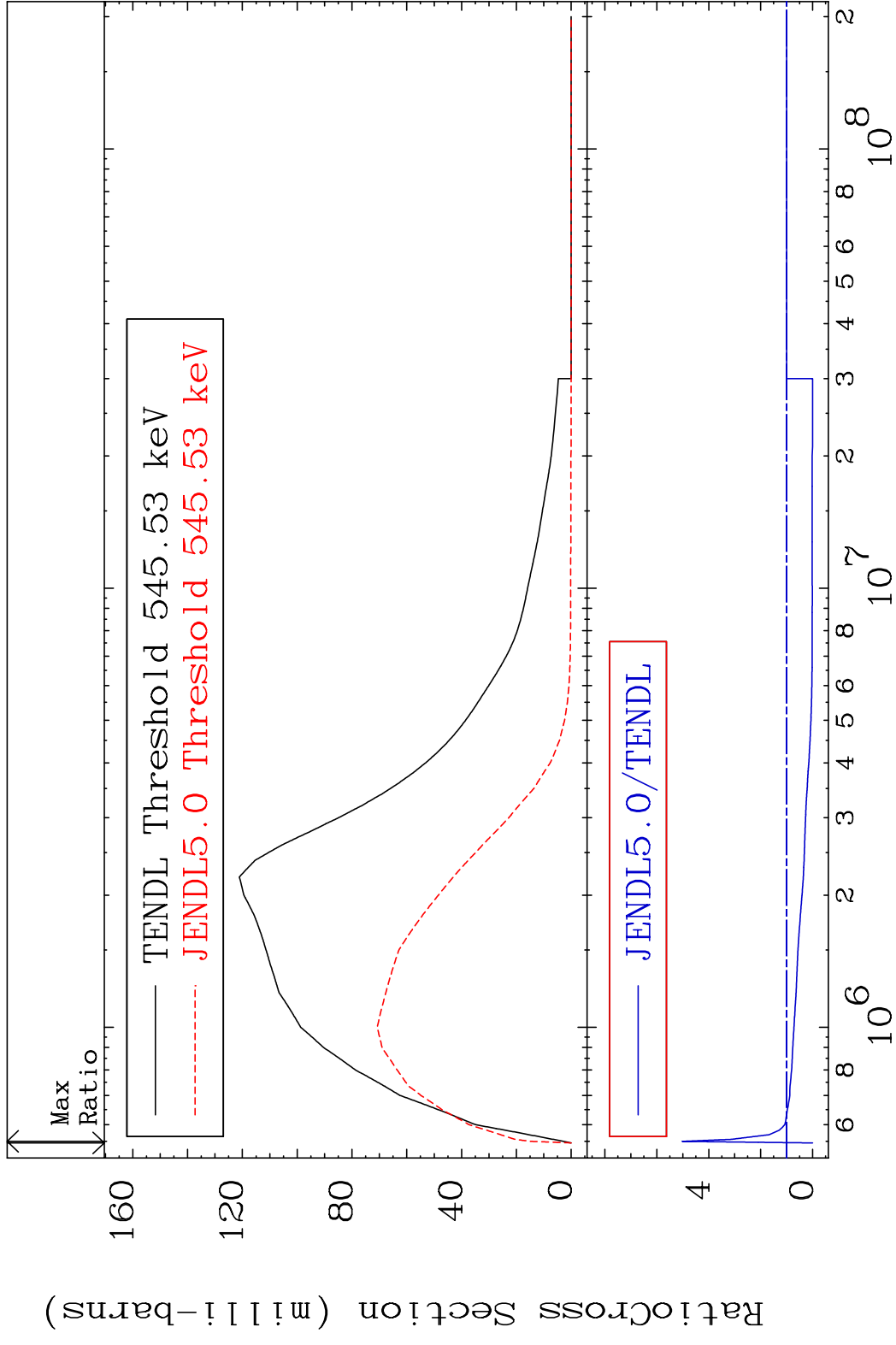
MAT 8040 MT= 56 (n,n') Level 80-Hg-201
 Cross Section -100.0 To 217.5 %



MAT 8040 MT= 57 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 132.9 %

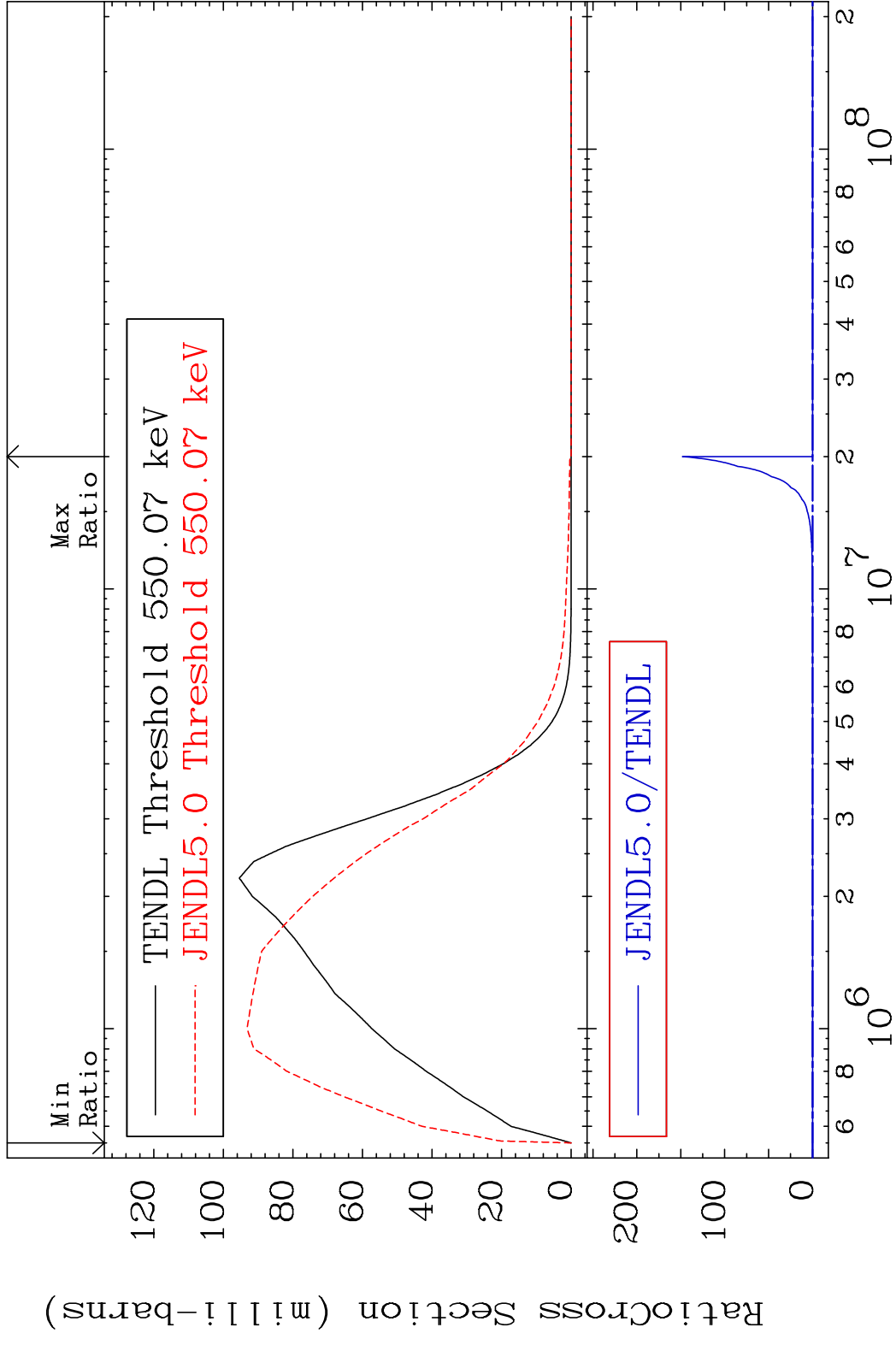


MAT 8040 MT= 58 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 401.7 %

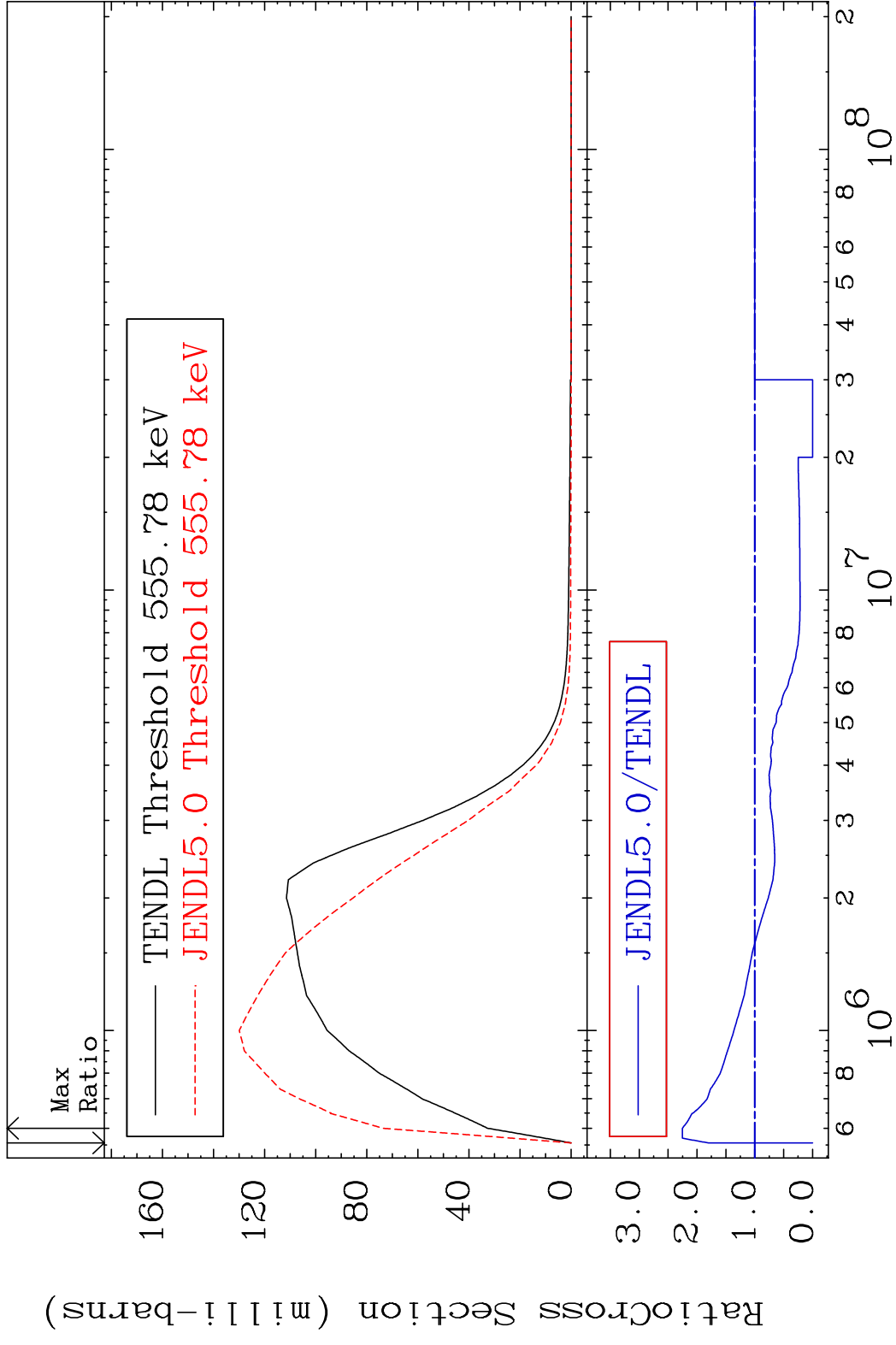


18 80-Hg-201

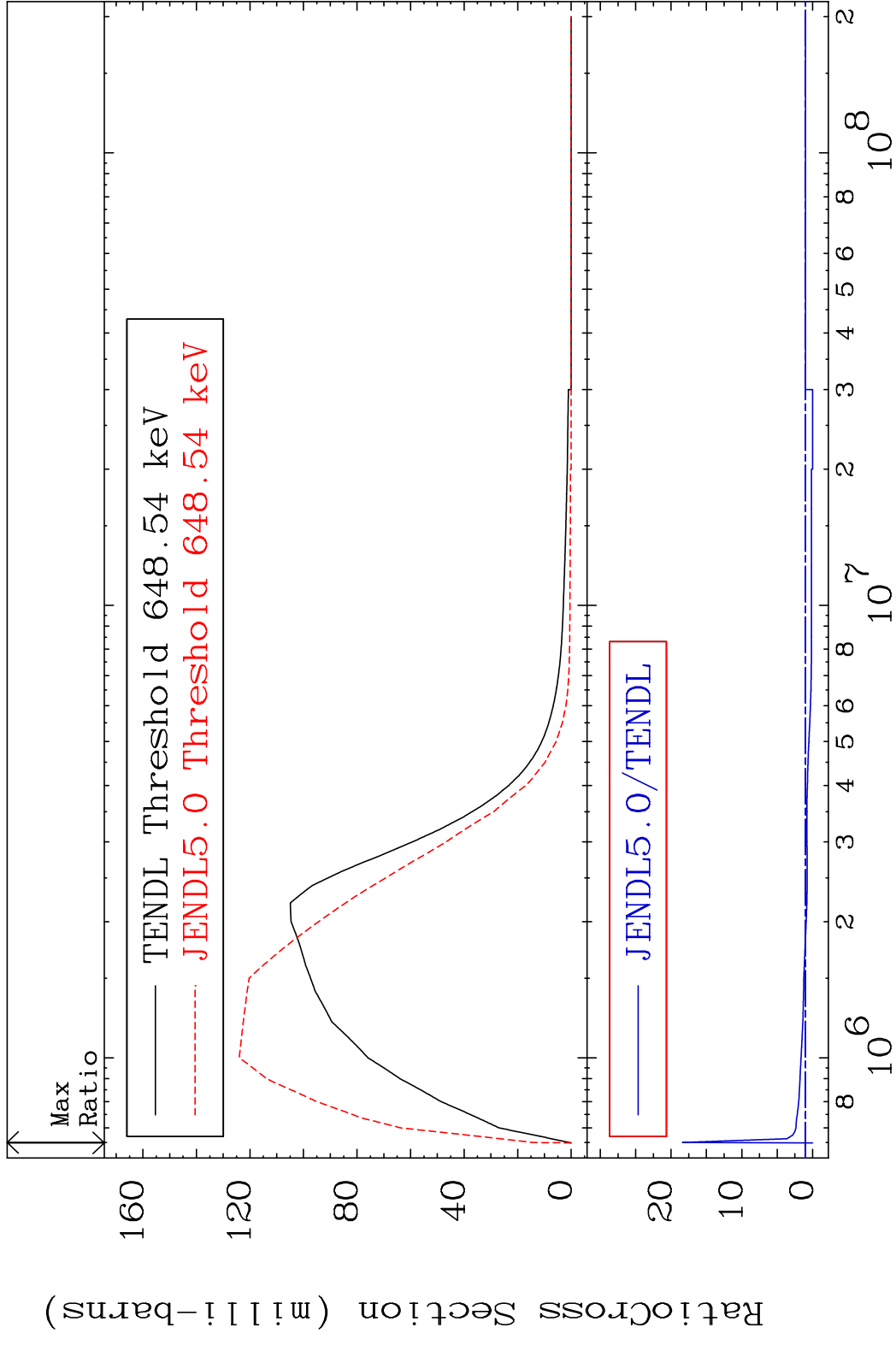
MAT 8040 MT= 59 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 9999. %



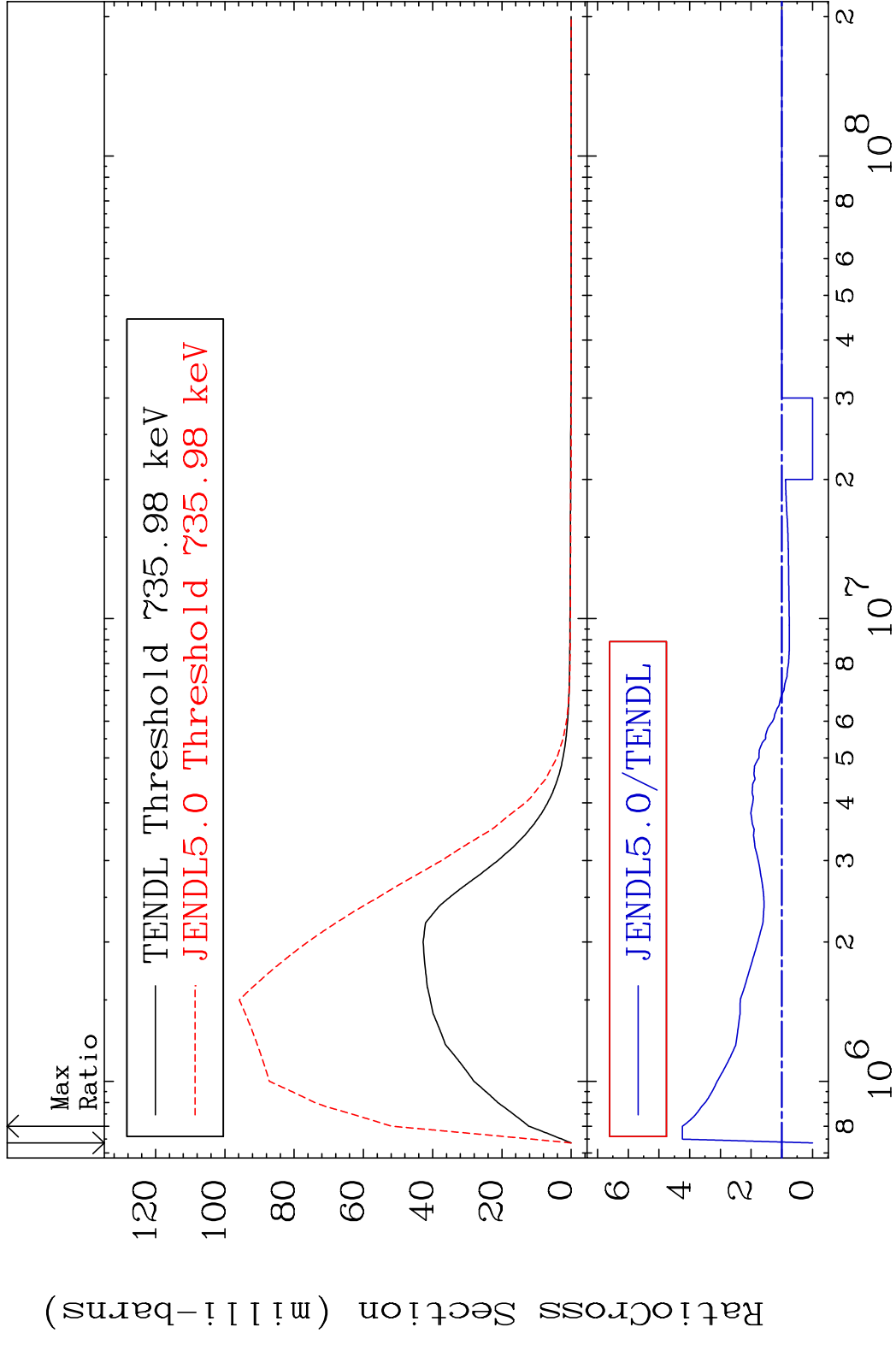
MAT 8040 MT= 60 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 125.3 %



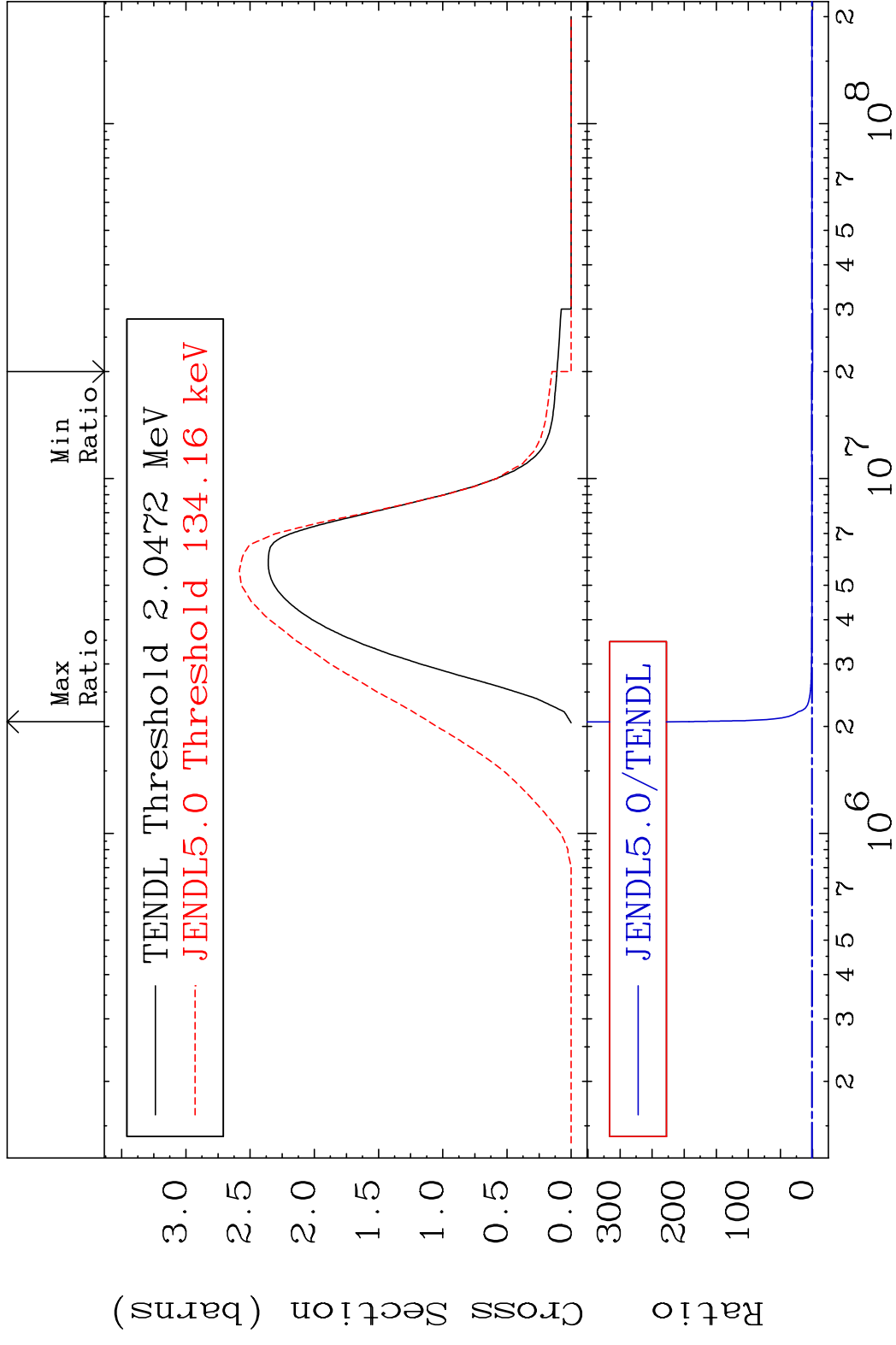
MAT 8040 MT= 61 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 1740. %



MAT 8040 MT= 62 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 323.9 %



MAT 8040 (n,n') Continuum 80-Hg-201
 Cross Section -100.0 To 9999. %

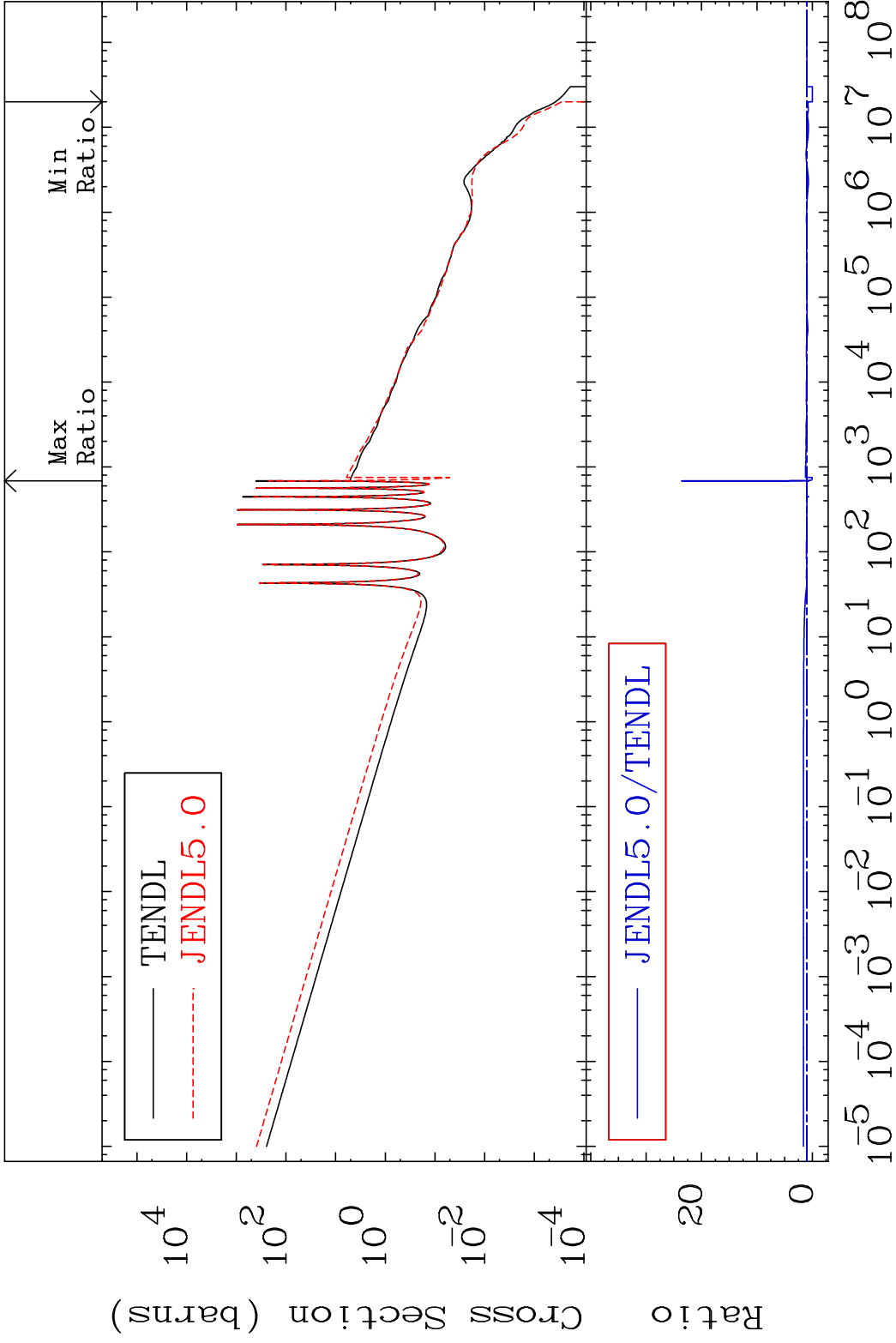


MAT 8040

(n, γ)

80-Hg-201

Cross Section -100.0 To 2257. %

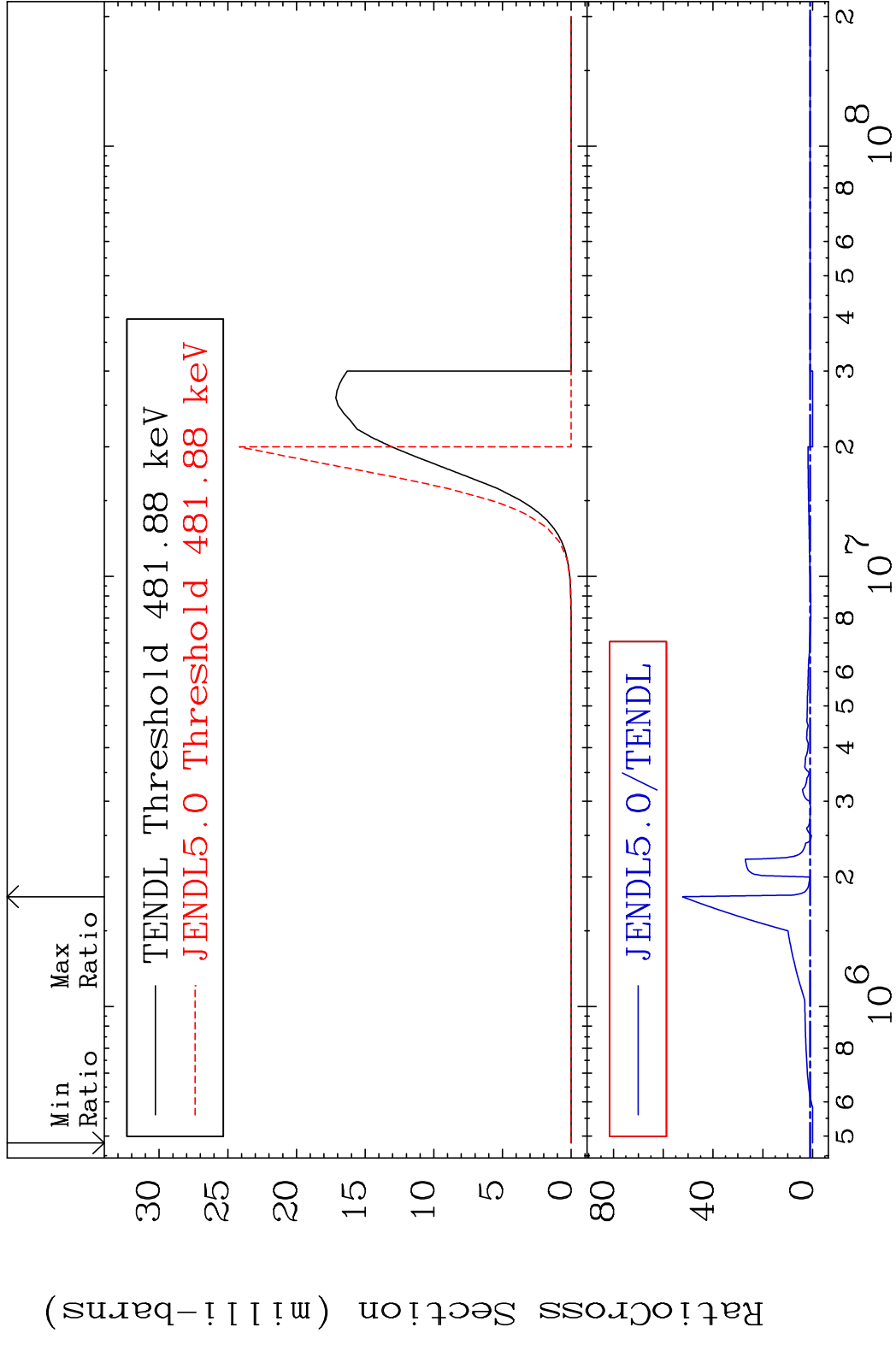


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Incident Energy (eV)

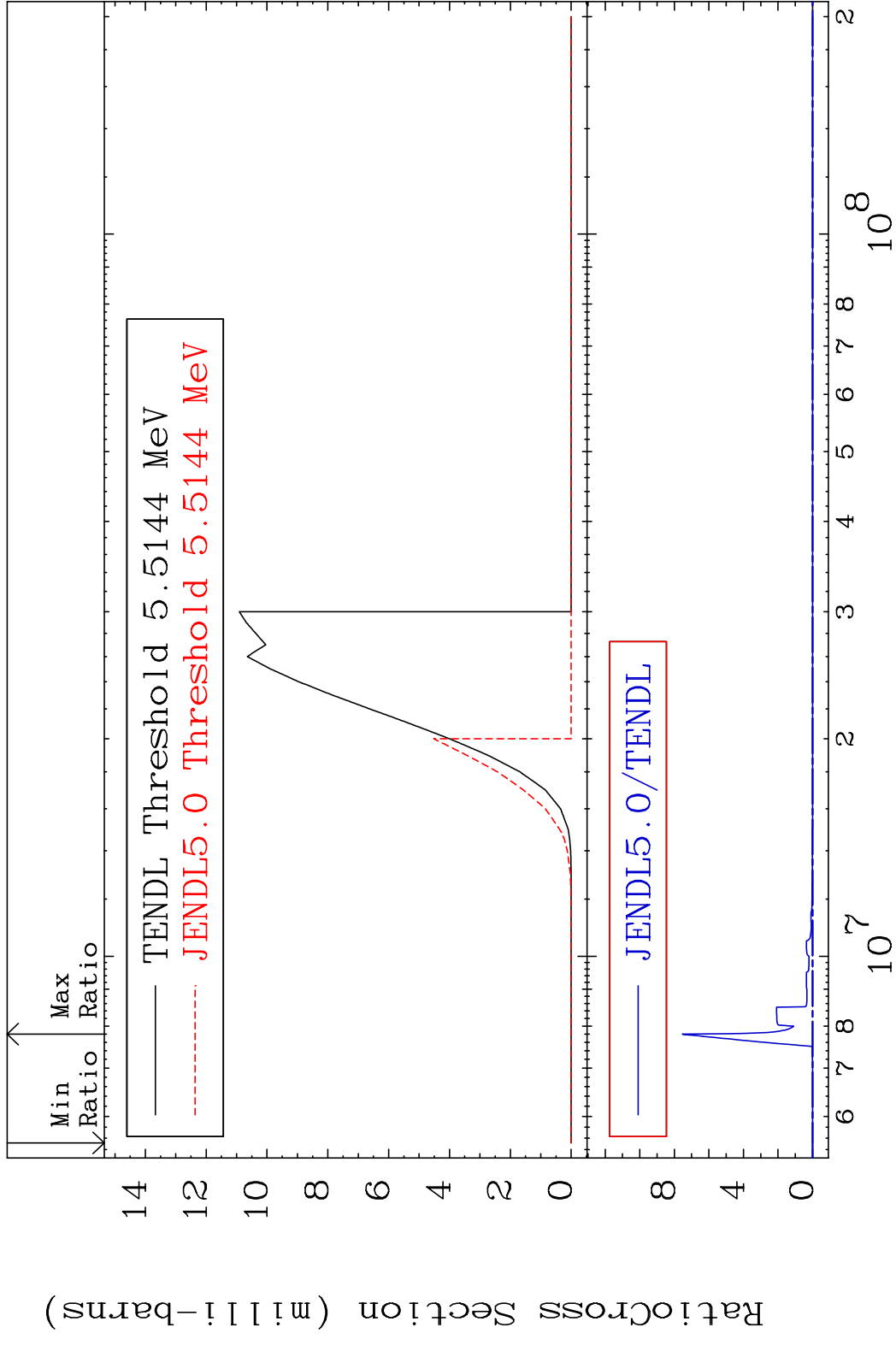
80-Hg-201

MAT 8040 (n,p) 80-Hg-201
 Cross Section -100.0 To 5133. %

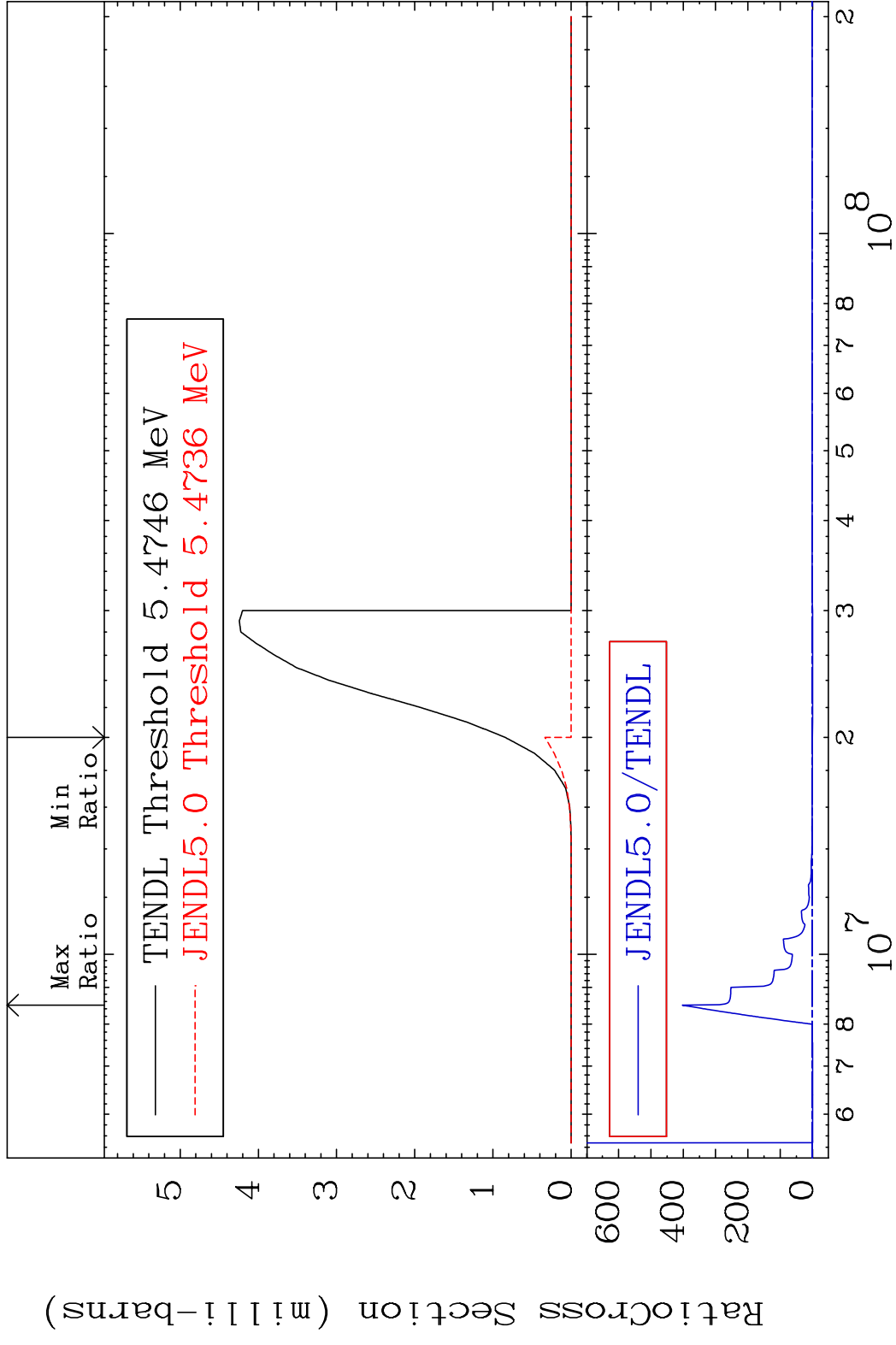


25 Incident Energy (eV) 80-Hg-201

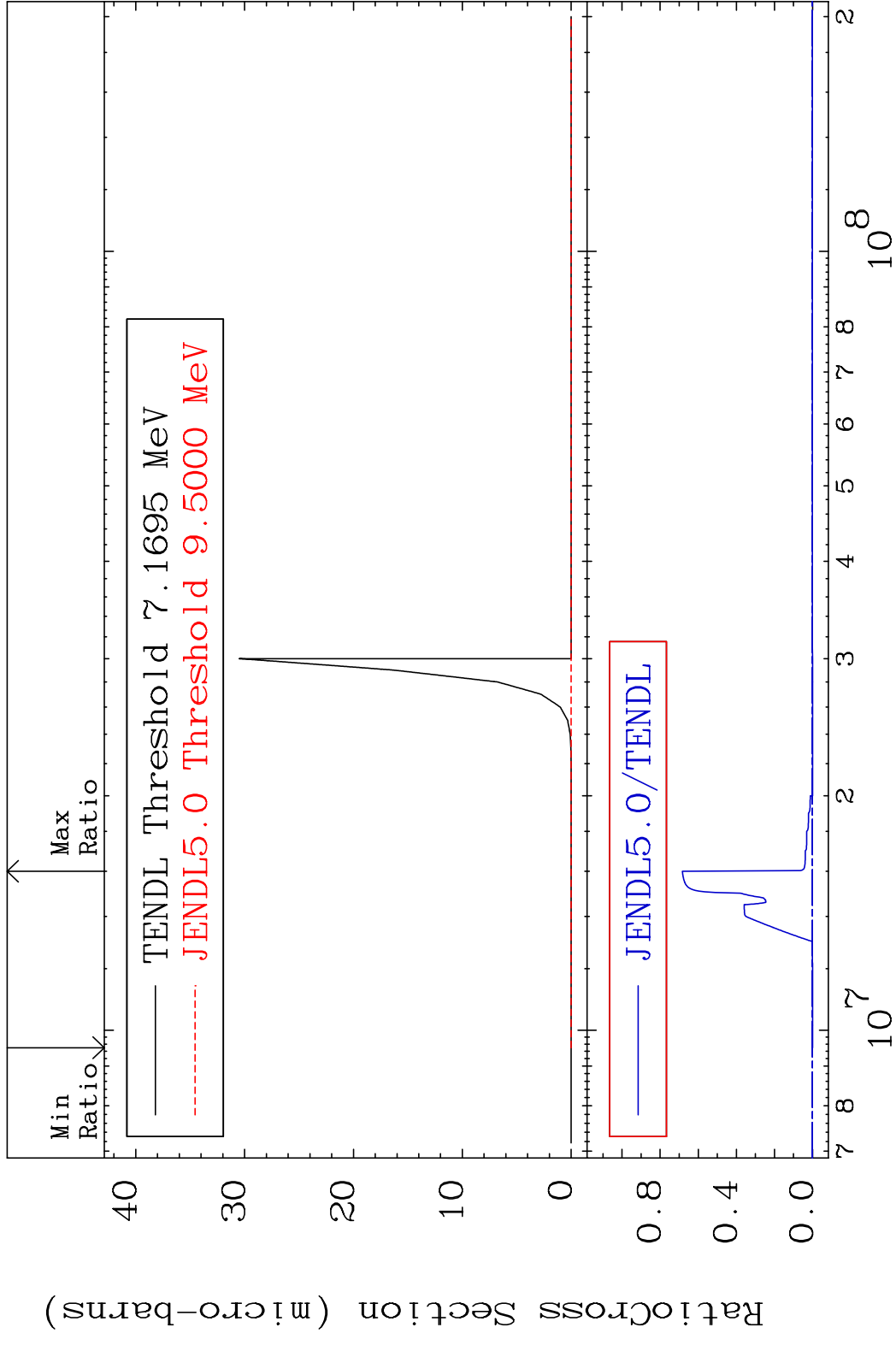
MAT 8040 (n,d) 80-Hg-201
 Cross Section -100.0 To 9999. %



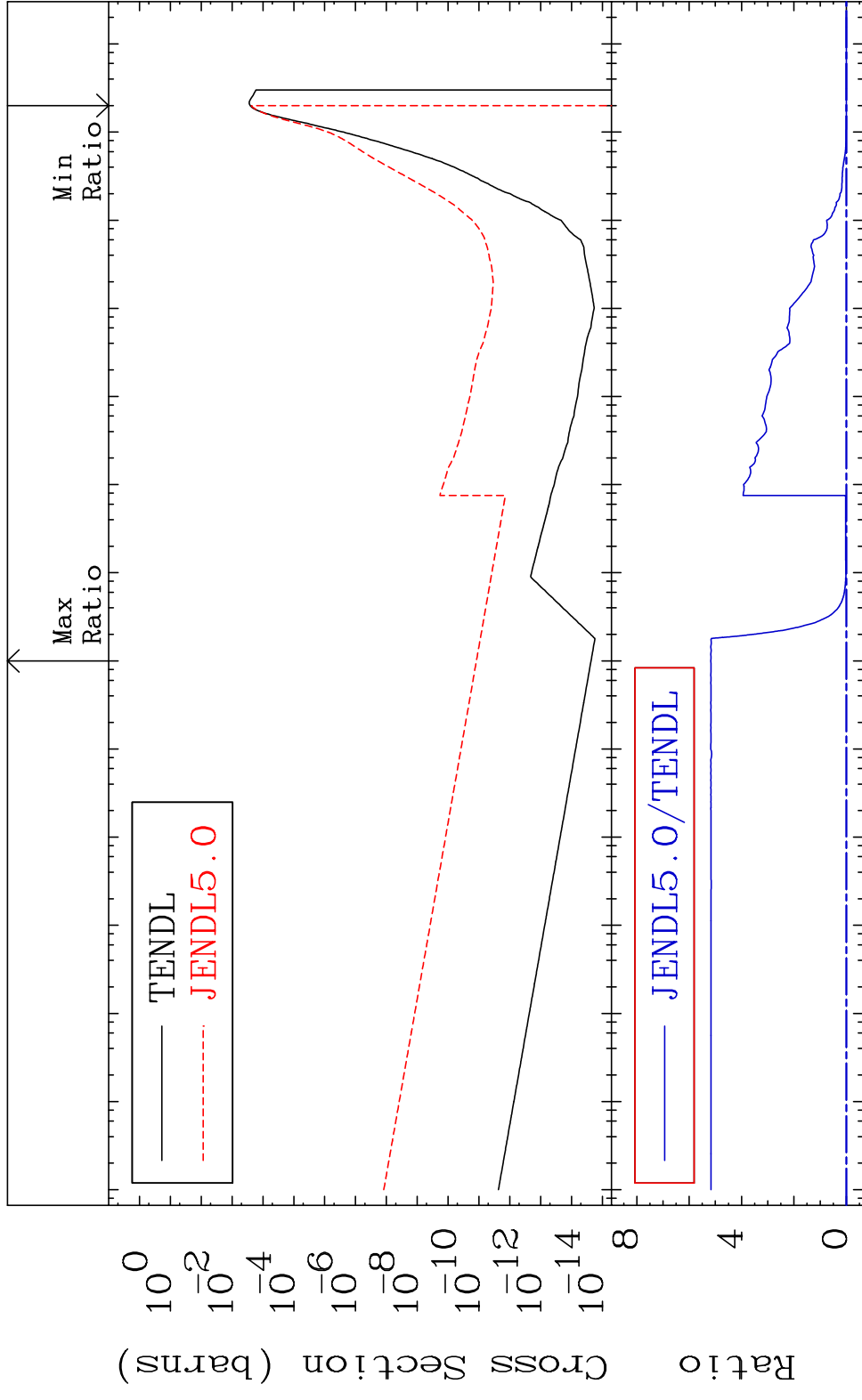
MAT 8040 (n, t) 80-Hg-201
 Cross Section -100.0 To 9999. %



MAT 8040 (n, He-3) 80-Hg-201
 Cross Section -100.0 To 9999. %

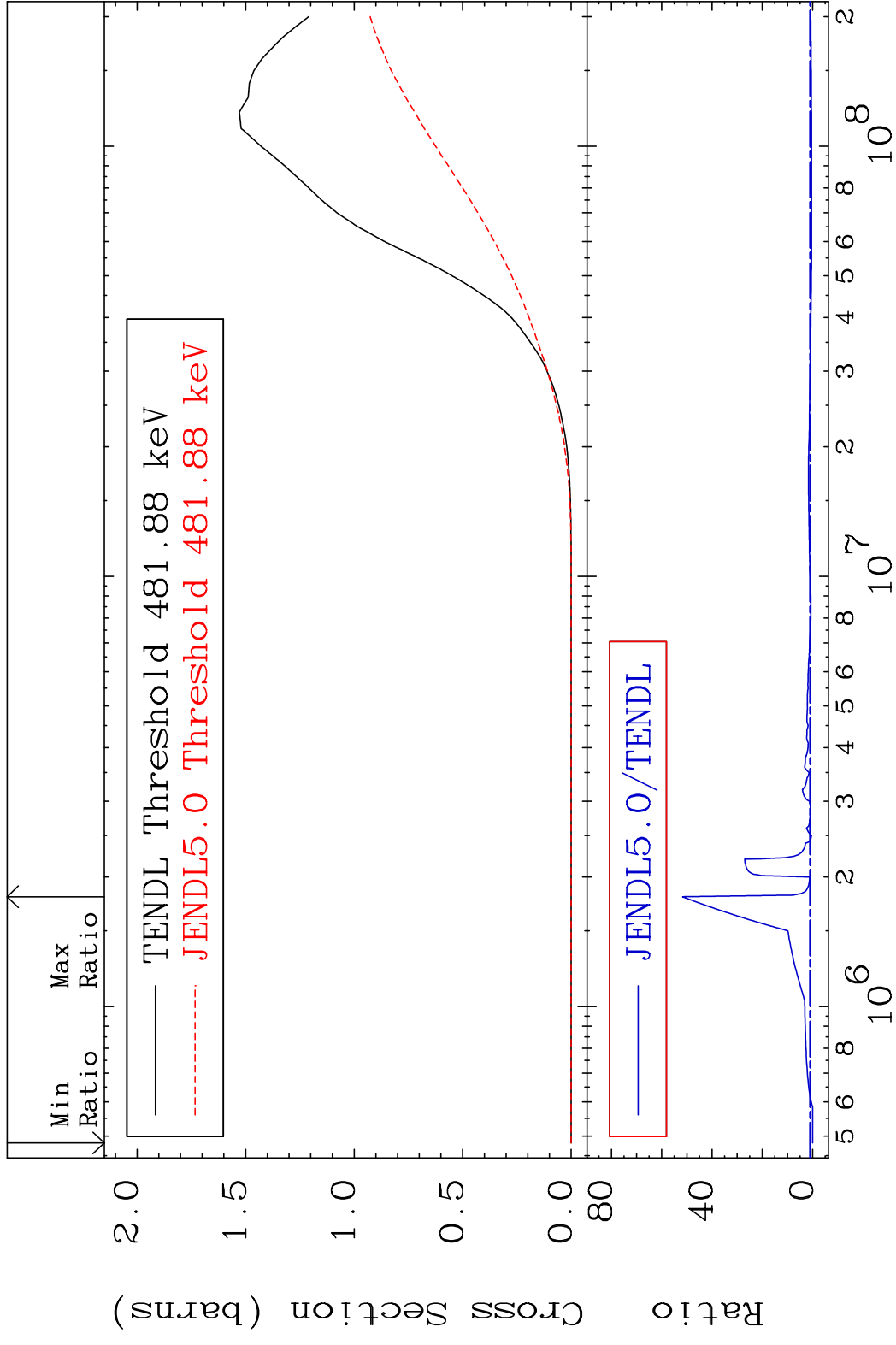


MAT 8040 (n, α) 80-Hg-201
 Cross Section -100.0 To 9999. %



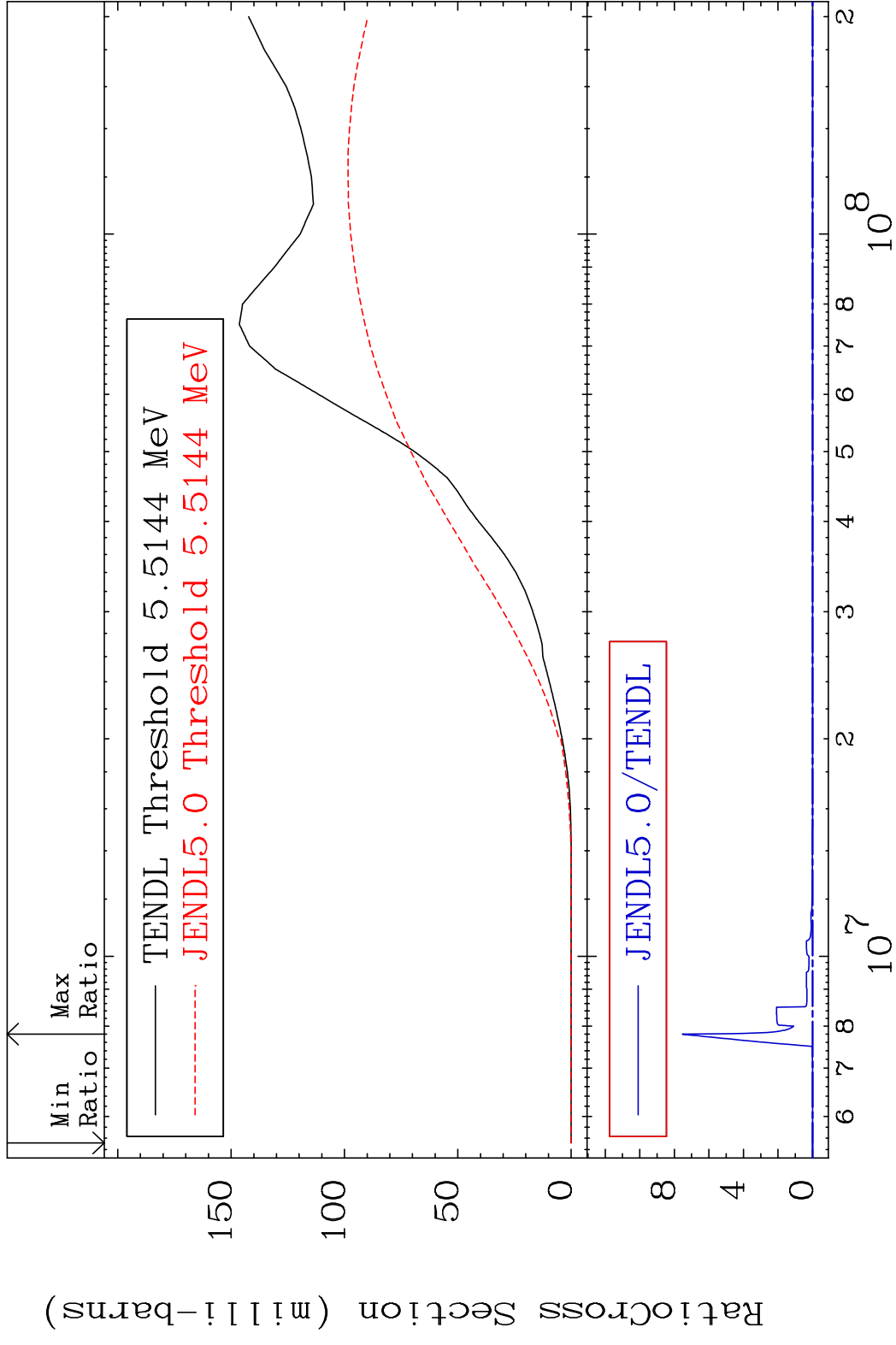
29 Incident Energy (eV) 80-Hg-201

MAT 8040 Hydrogen Production 80-Hg-201
 Cross Section -100.0 To 5079. %

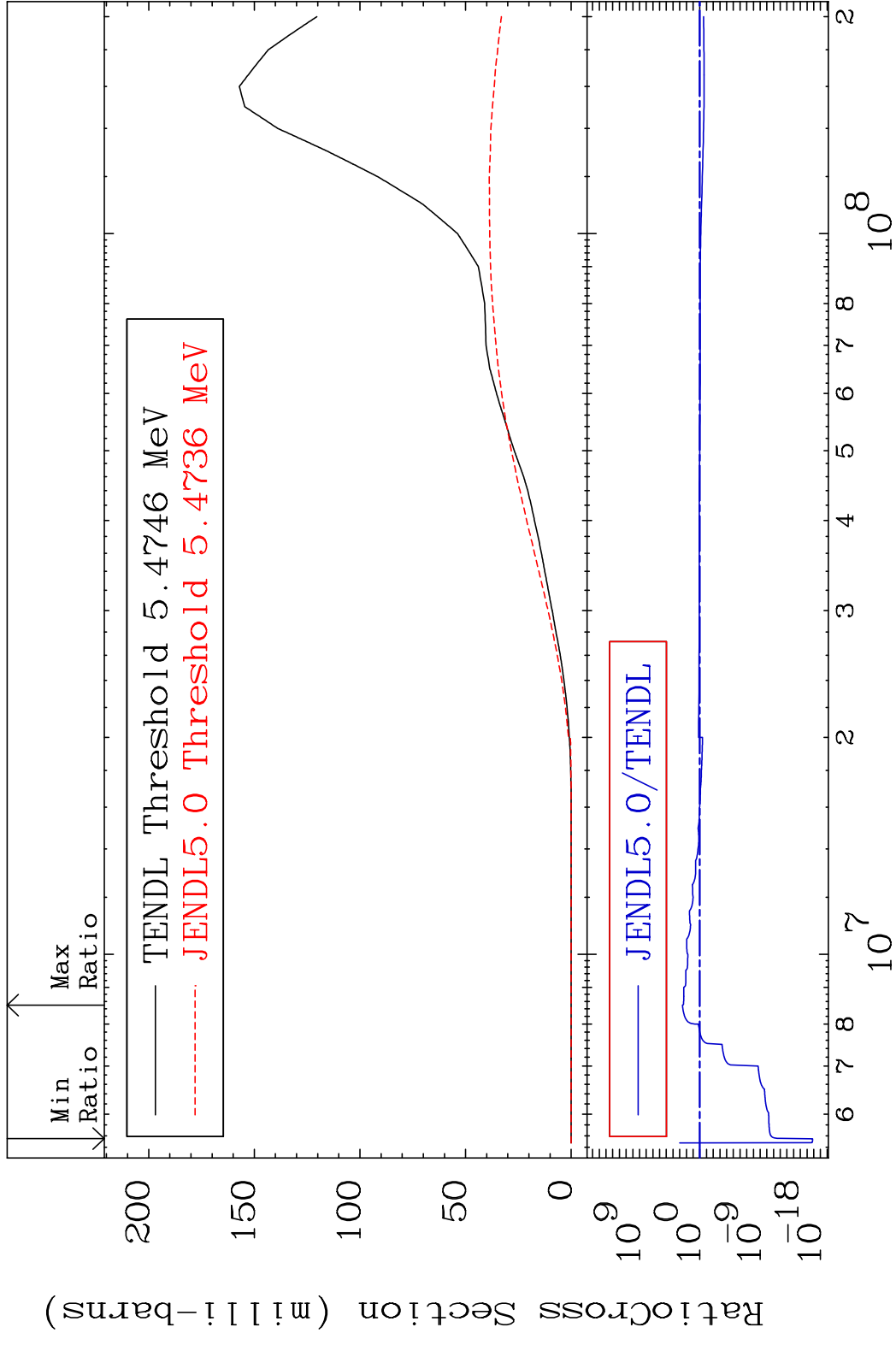


30 Incident Energy (eV) 80-Hg-201

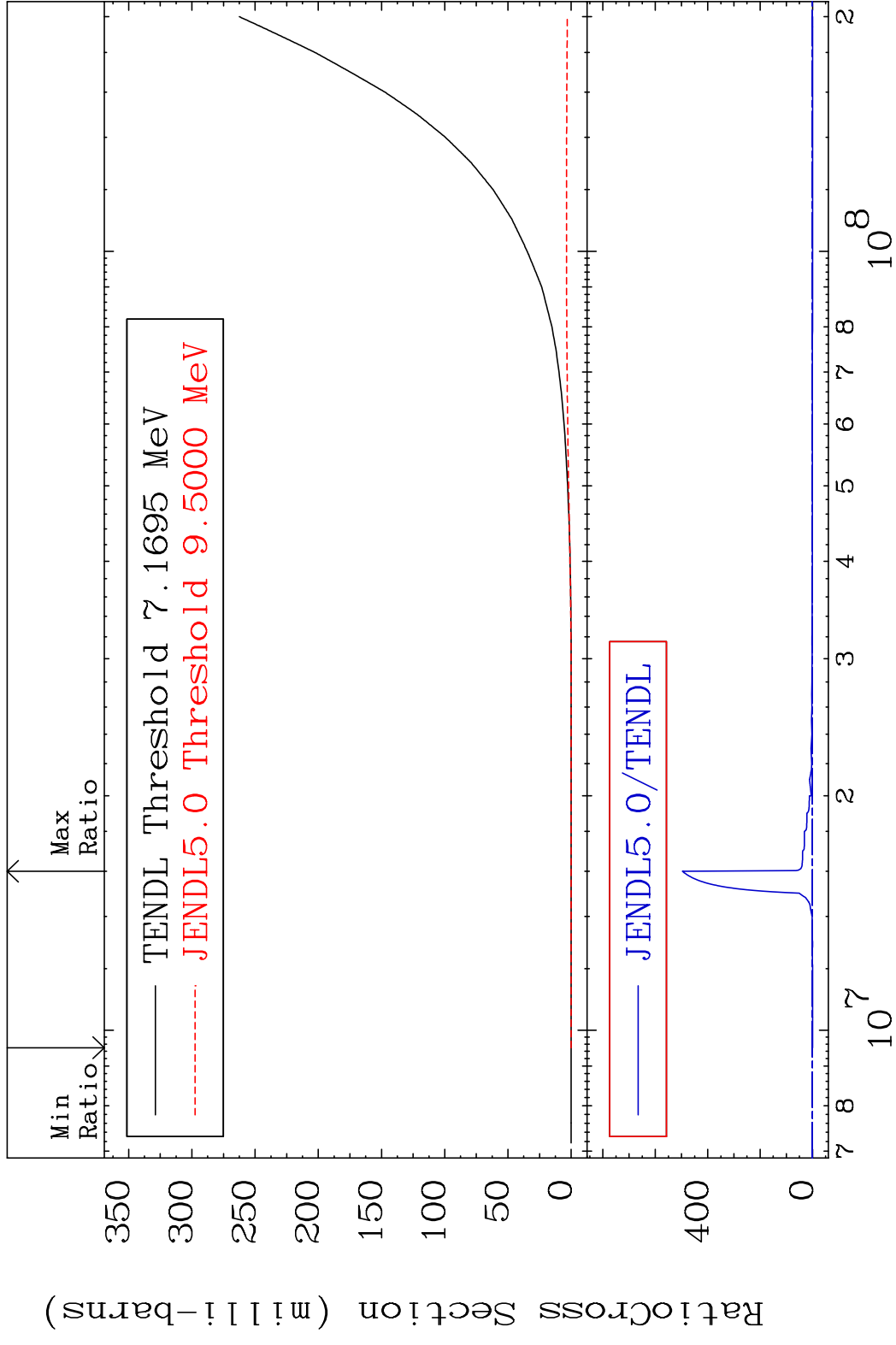
MAT 8040 Deuterium Production 80-Hg-201
 Cross Section -100.0 To 9999. %



MAT 8040 Tritium Production 80-Hg-201
 Cross Section -100.0 To 9999. %



MAT 8040 He-3 Production 80-Hg-201
 Cross Section -100.0 To 9999. %



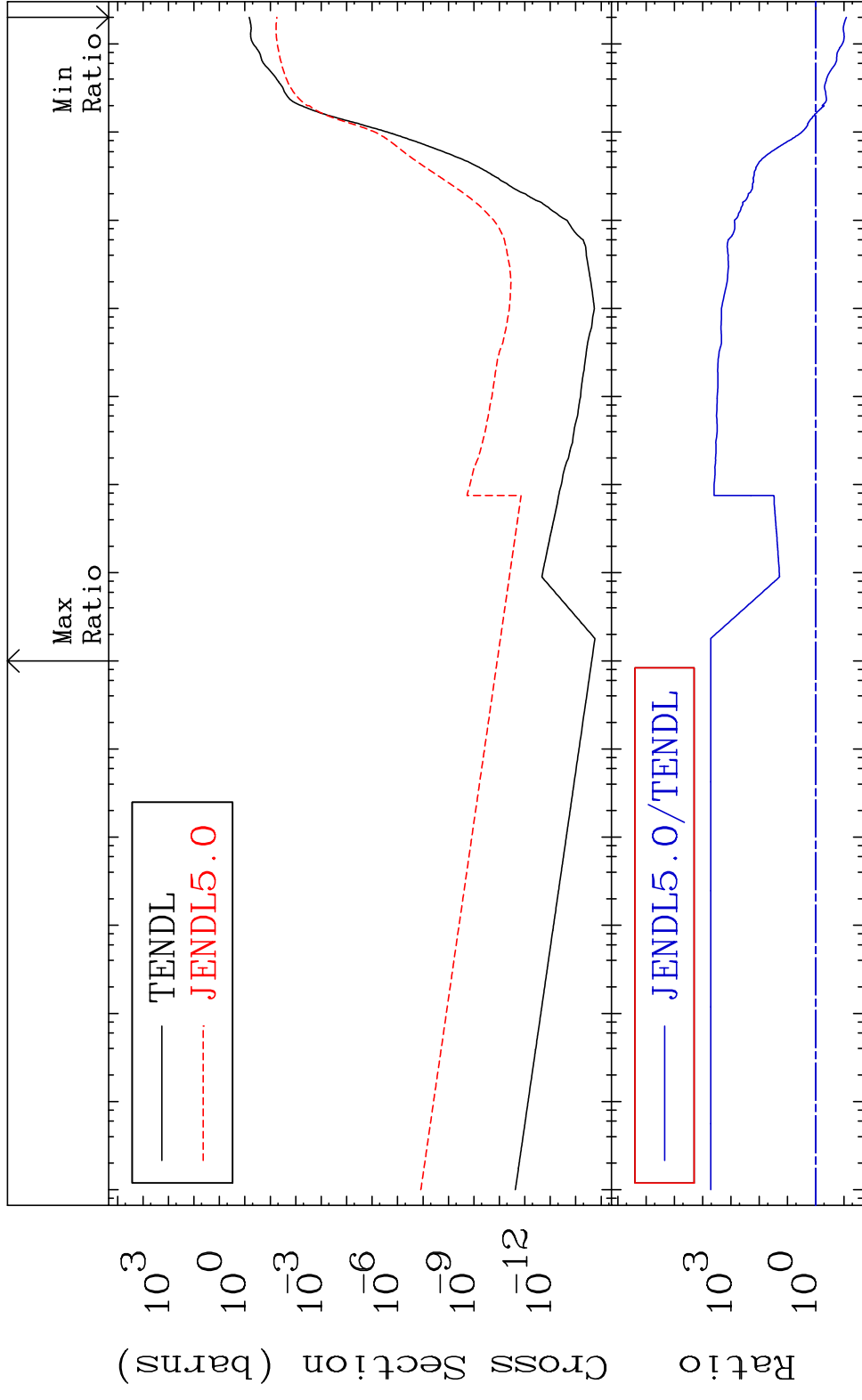
33 Incident Energy (eV) 80-Hg-201

MAT 8040

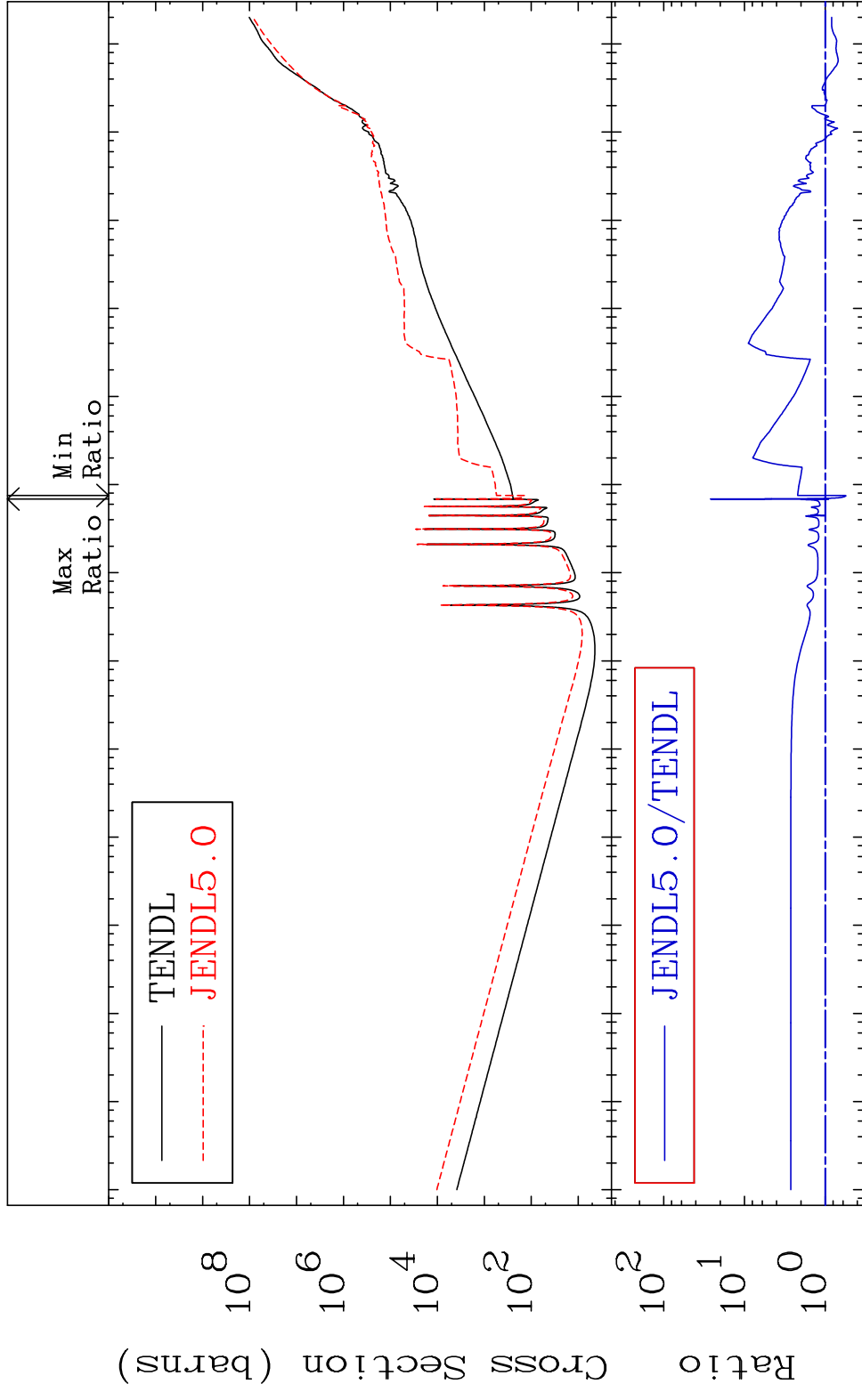
He-4 Production

80-Hg-201

Cross Section -91.79 To 9999. %



MAT 8040 Kerma total (eV-barns) 80-Hg-201
 Cross Section -45.26 To 2519. %



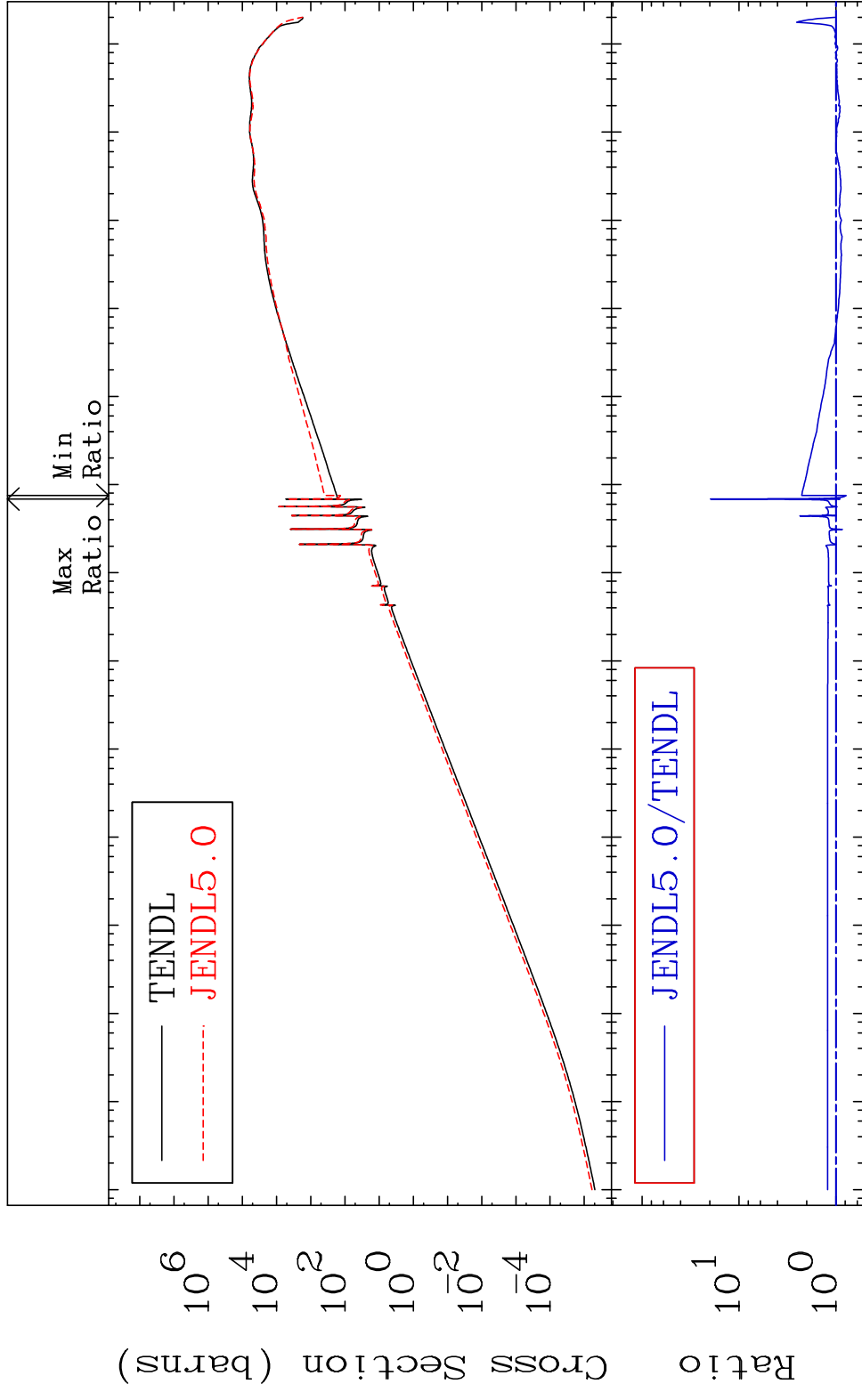
10⁸
 10⁶
 10⁴
 10²
 10²
 10¹
 10⁰

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

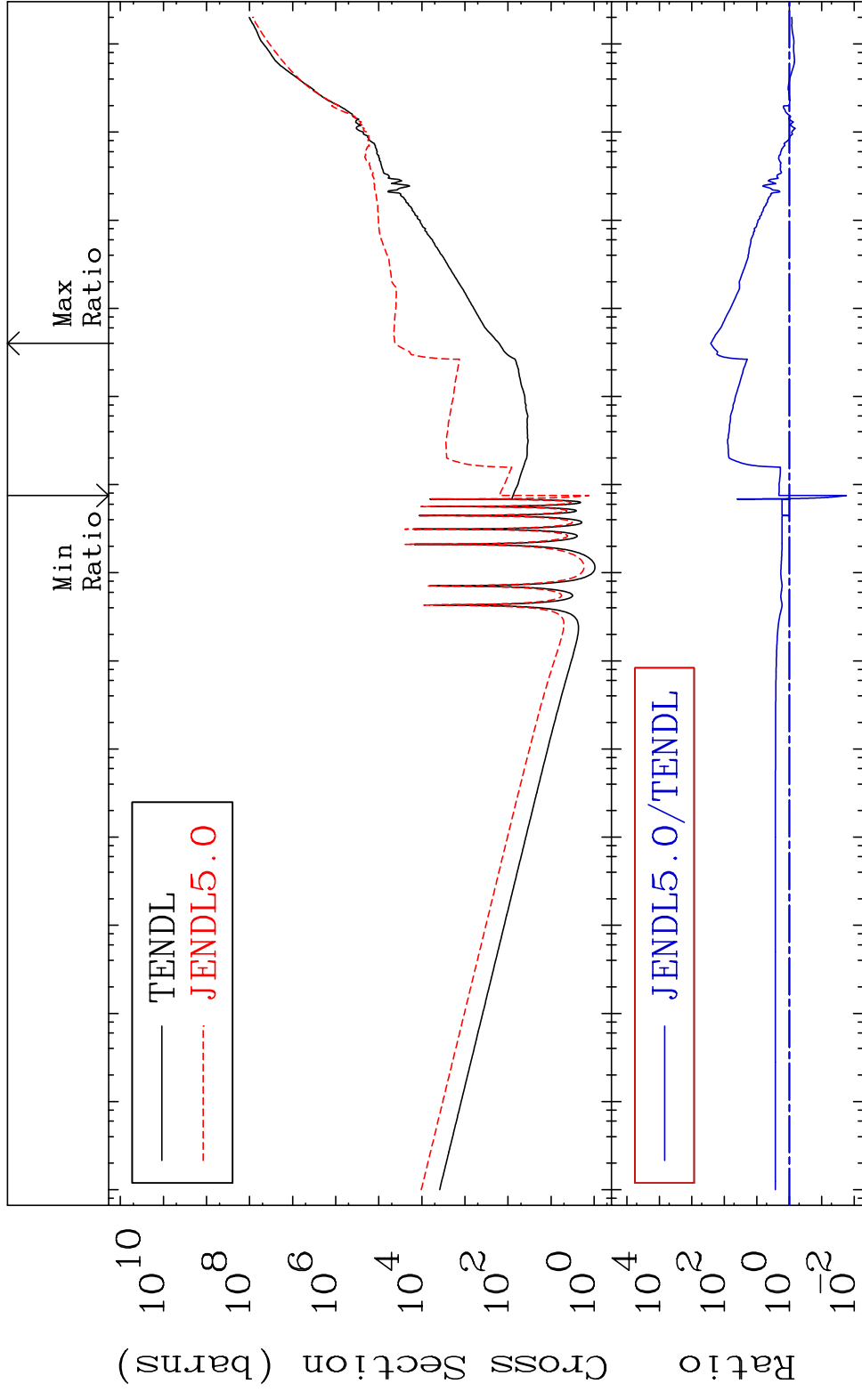
MAT 8040

Kerma elastic Cross Section -22.06 To 1854. %

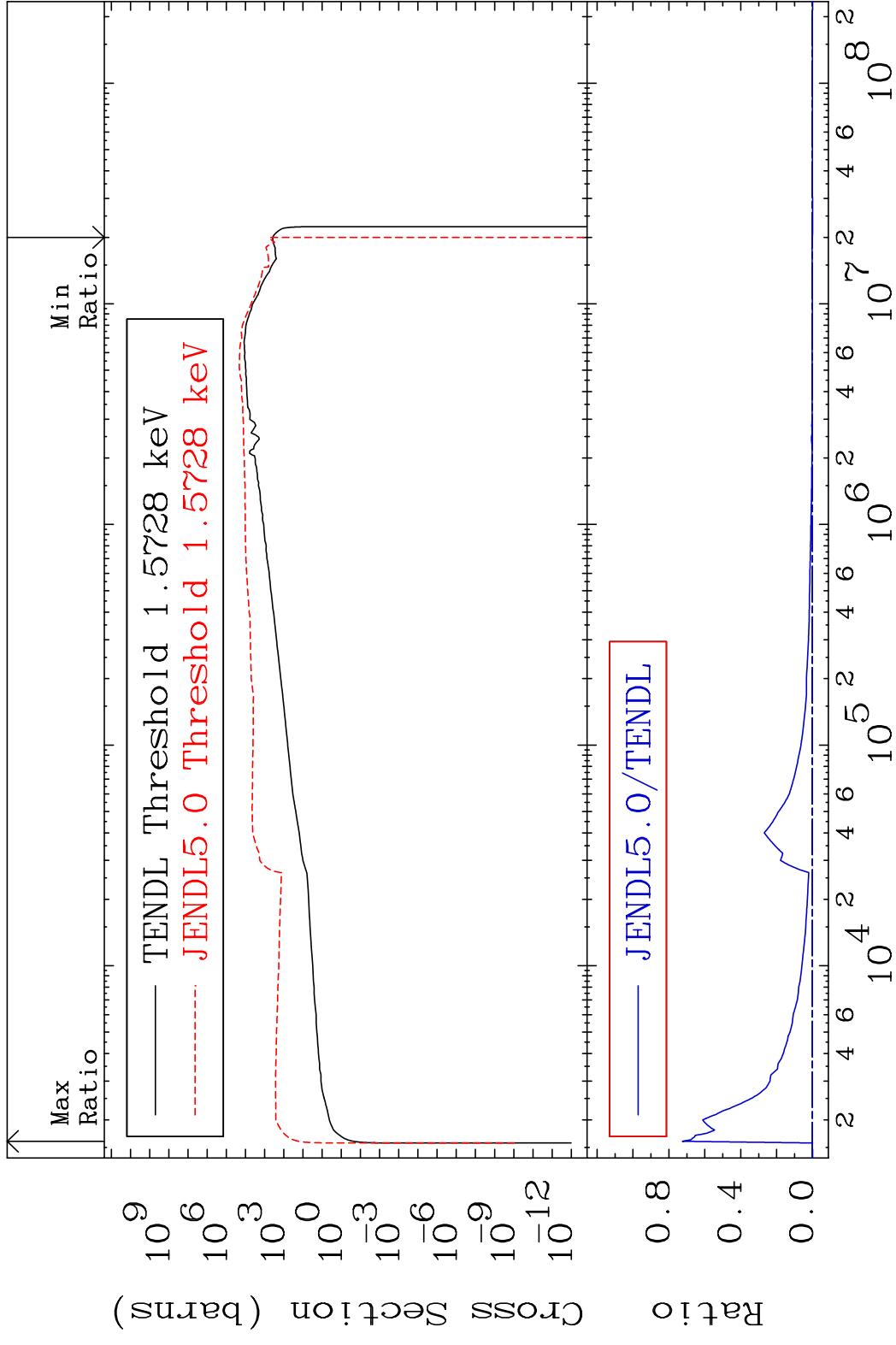
80-Hg-201



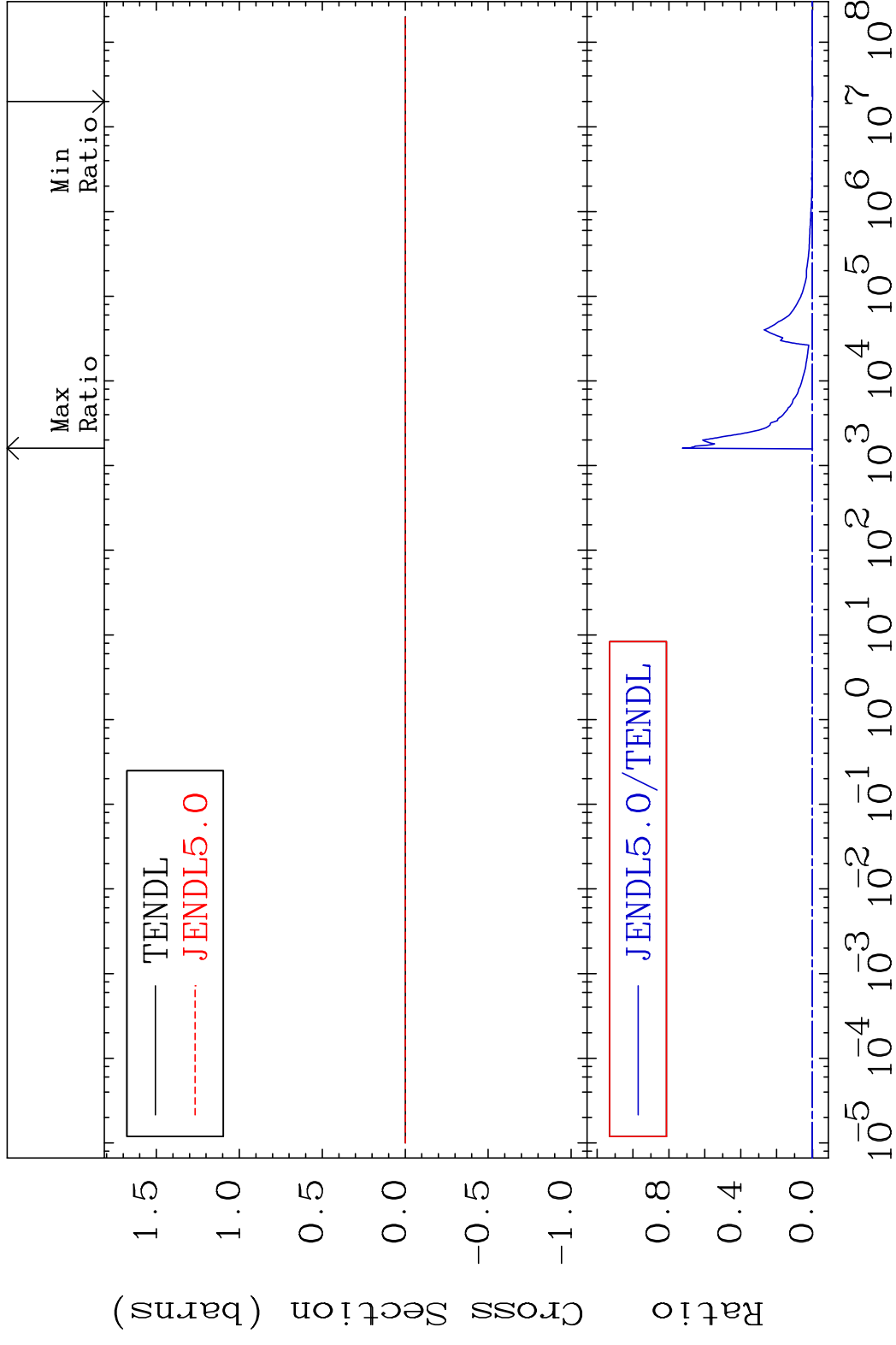
MAT 8040 Kerma non-elastic (all but mt2) 80-Hg-201
 Cross Section -98.25 To 9999. %



MAT 8040 Kerma inelastic (mt51-91) 80-Hg-201
 Cross Section -100.0 To 9999. %

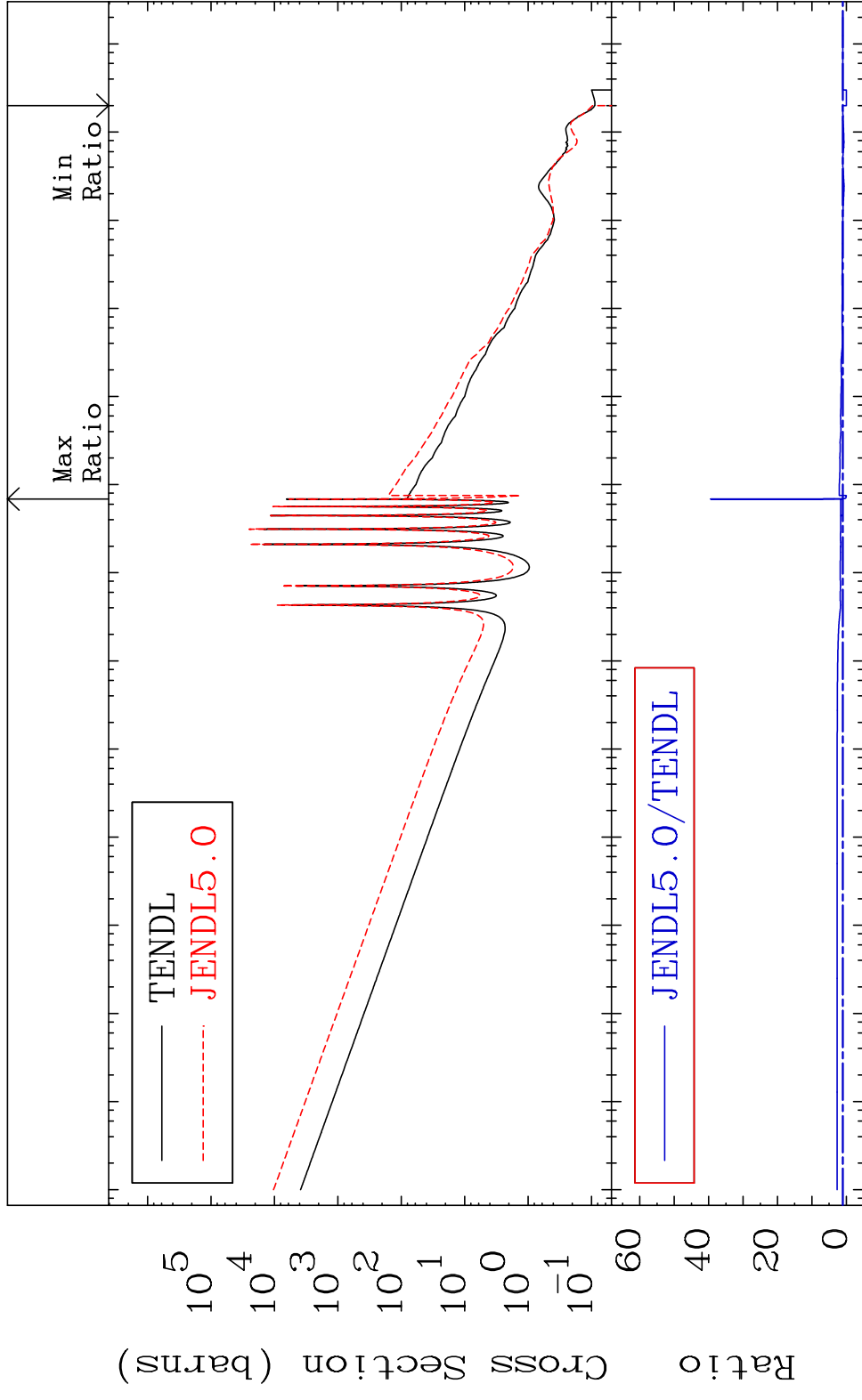


MAT 8040 Kerma fission (mt18 or mt19-20-21-38)80-Hg-201
 Cross Section -100.0 To 9999. %



MAT 8040

Kerma capture (mt102) 80-Hg-201
Cross Section -100.0 To 3841. %

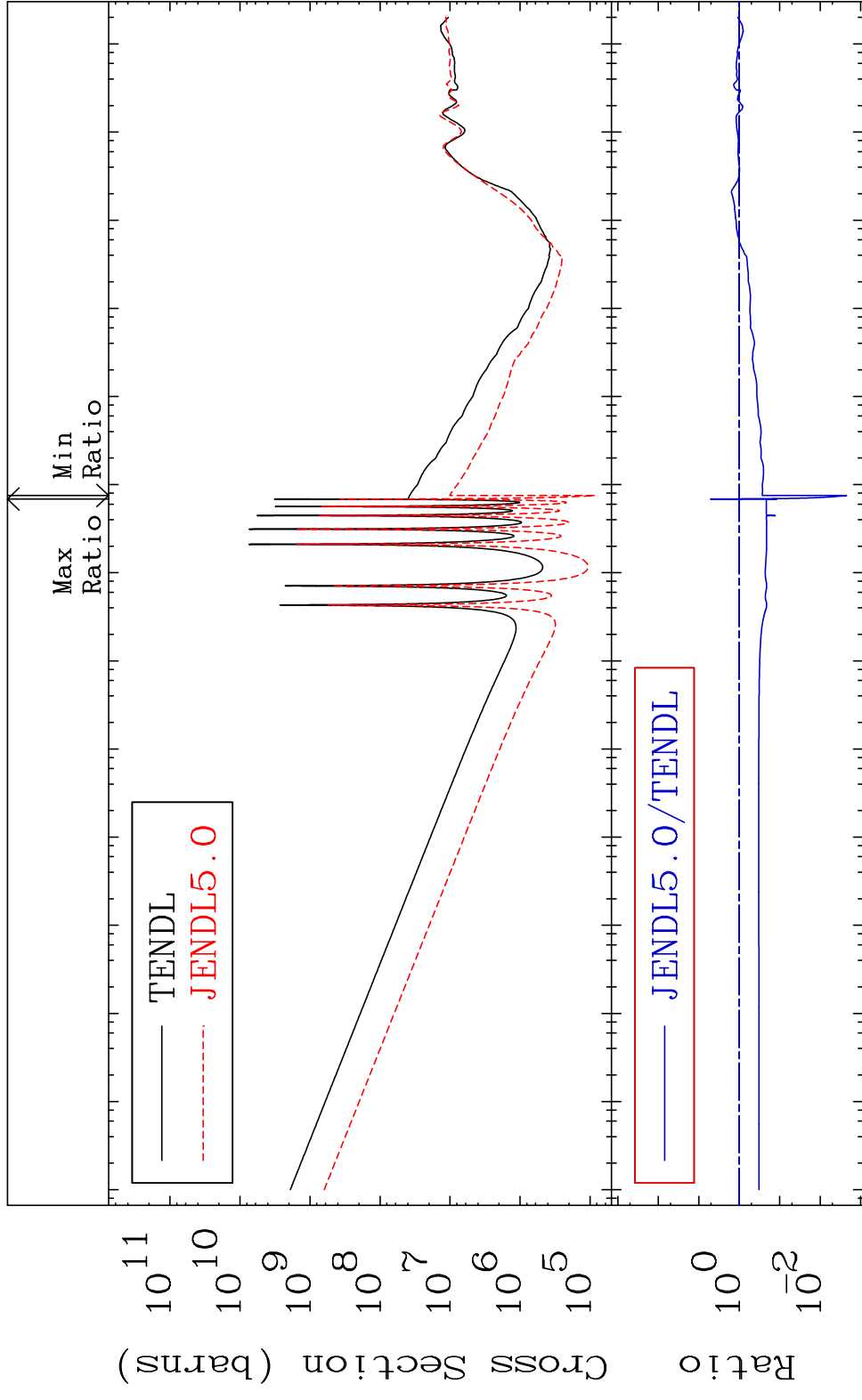


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Incident Energy (eV)

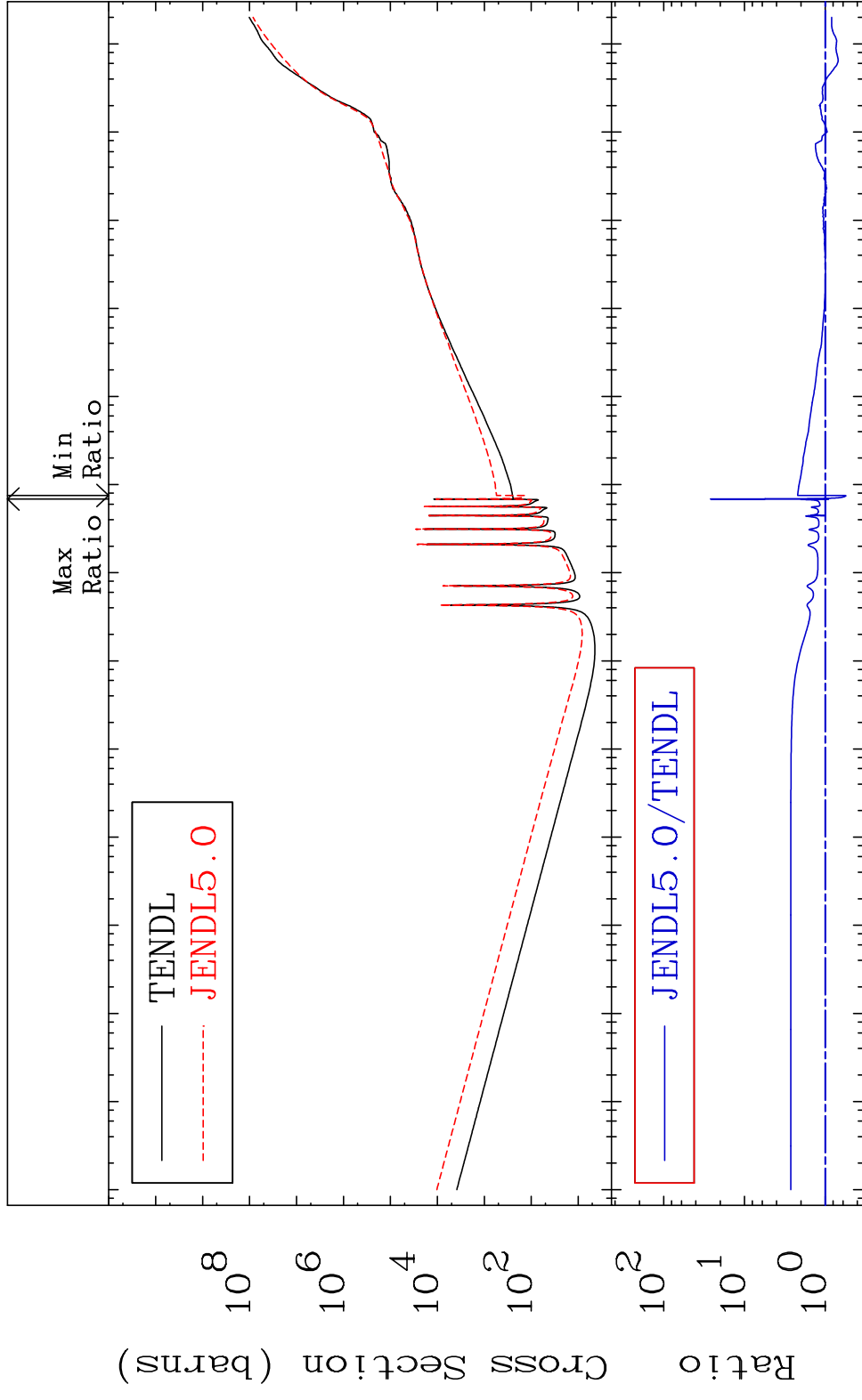
80-Hg-201

MAT 8040 Total photon (eV-barns) 80-Hg-201
 Cross Section -99.777 To 407.7 %



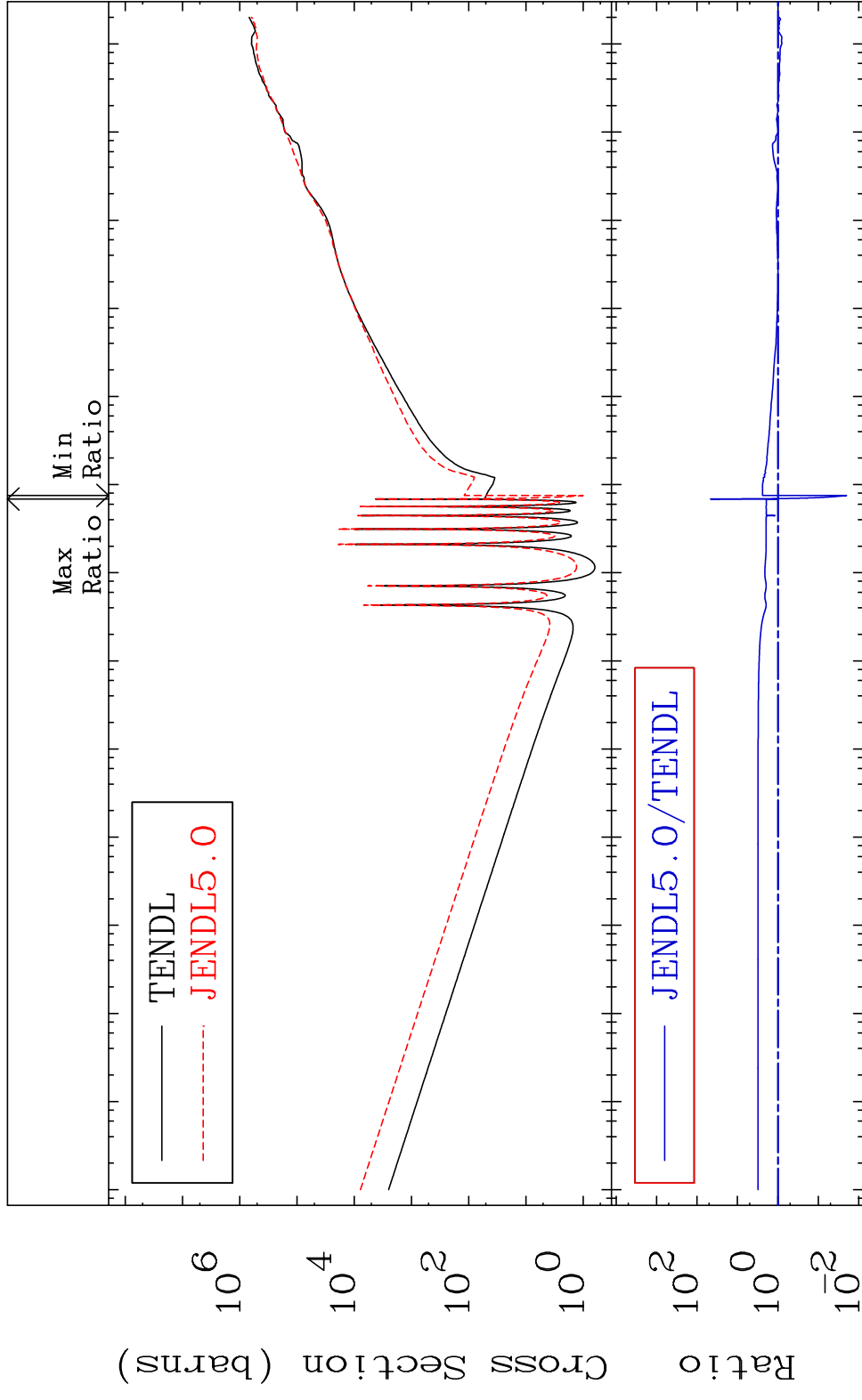
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV)

MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
 Cross Section -45.26 To 2519. %



42 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa total (eV-barns) 80-Hg-201
 Cross Section -97.97 To 4484. %

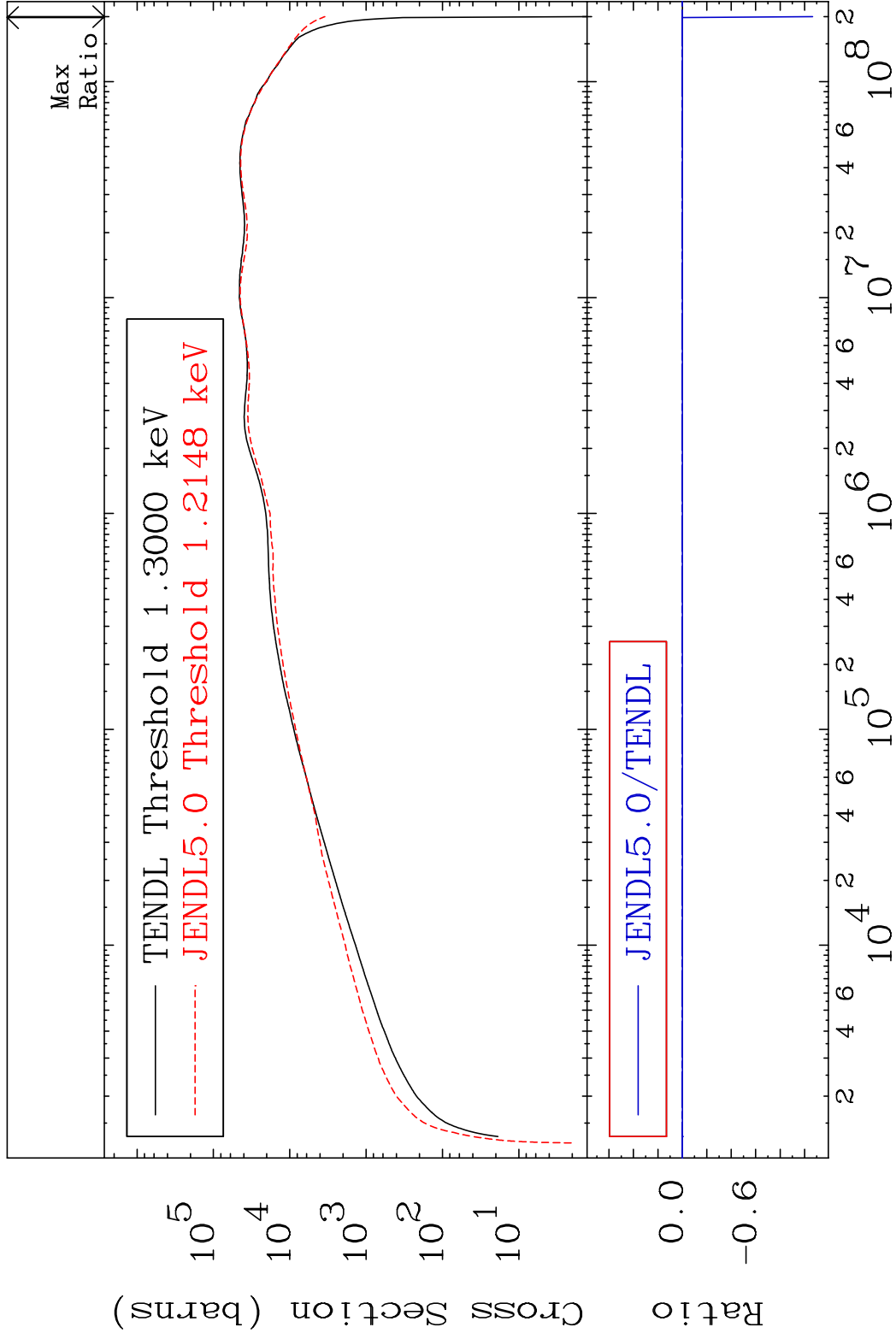


MAT 8040

Dpa elastic (mt2)

80-Hg-201

Cross Section -9999. To 1037. %

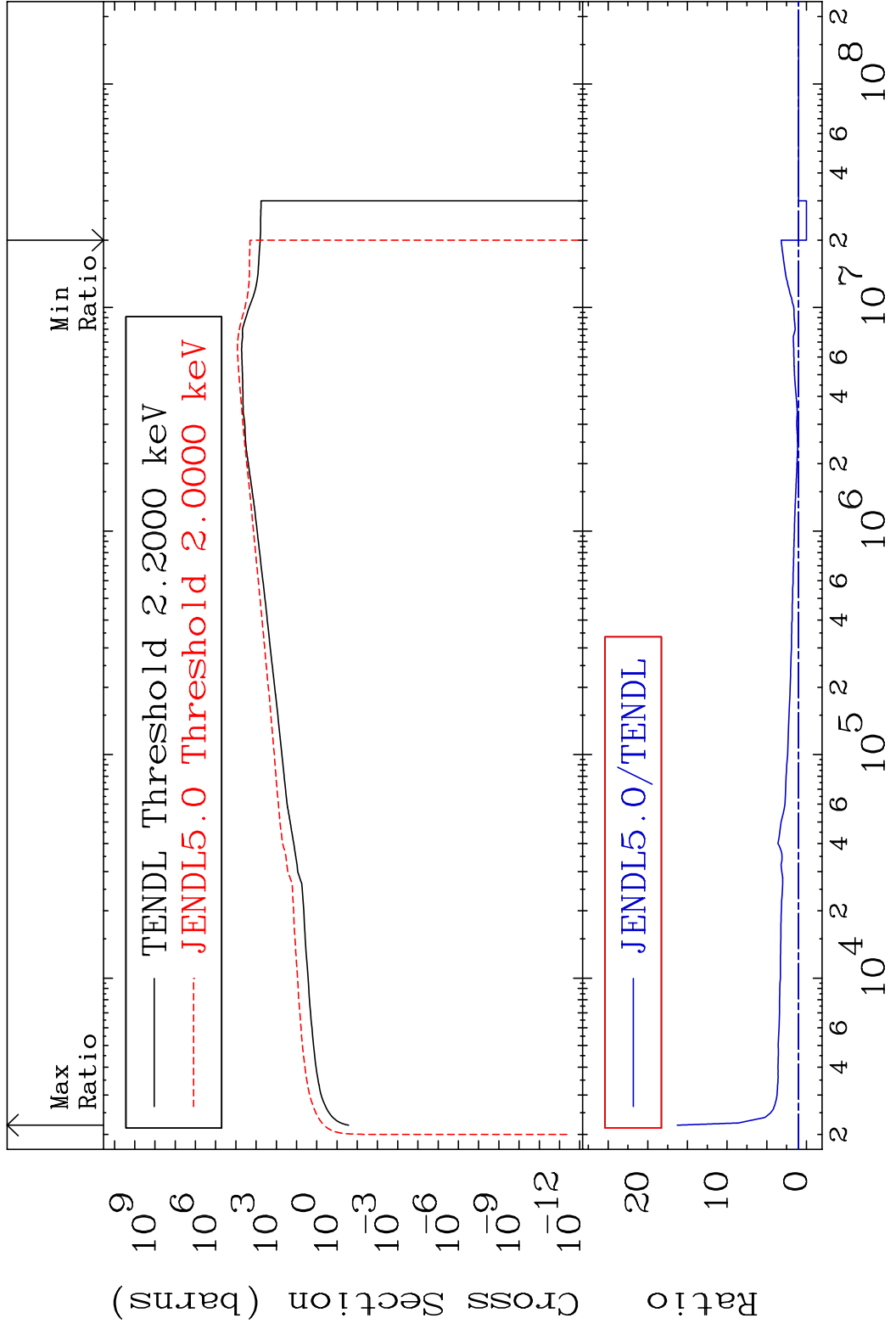


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Incident Energy (eV)

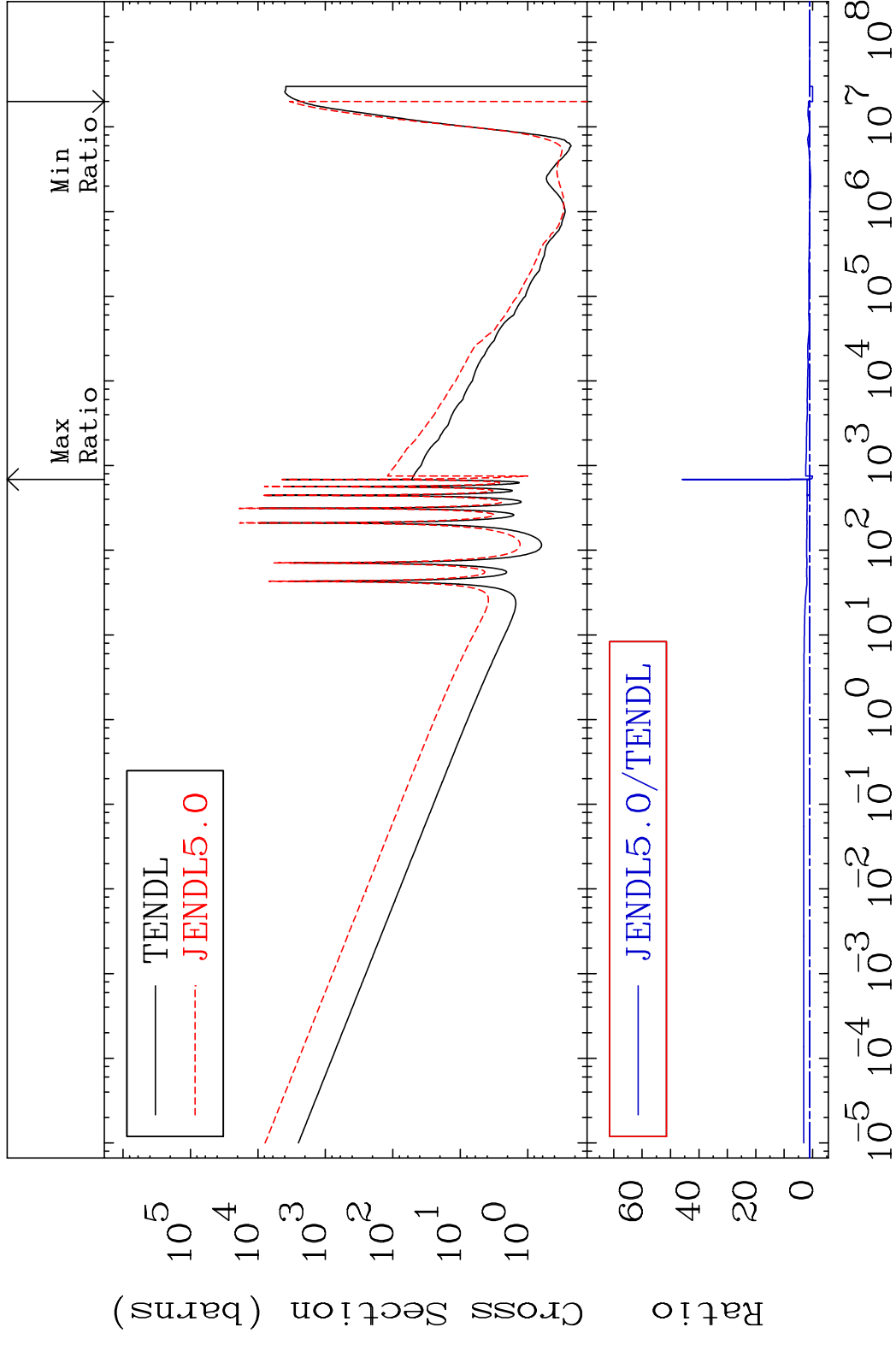
80-Hg-201

MAT 8040 Dpa inelastic (mt51-91) 80-Hg-201
 Cross Section -100.0 To 1529. %



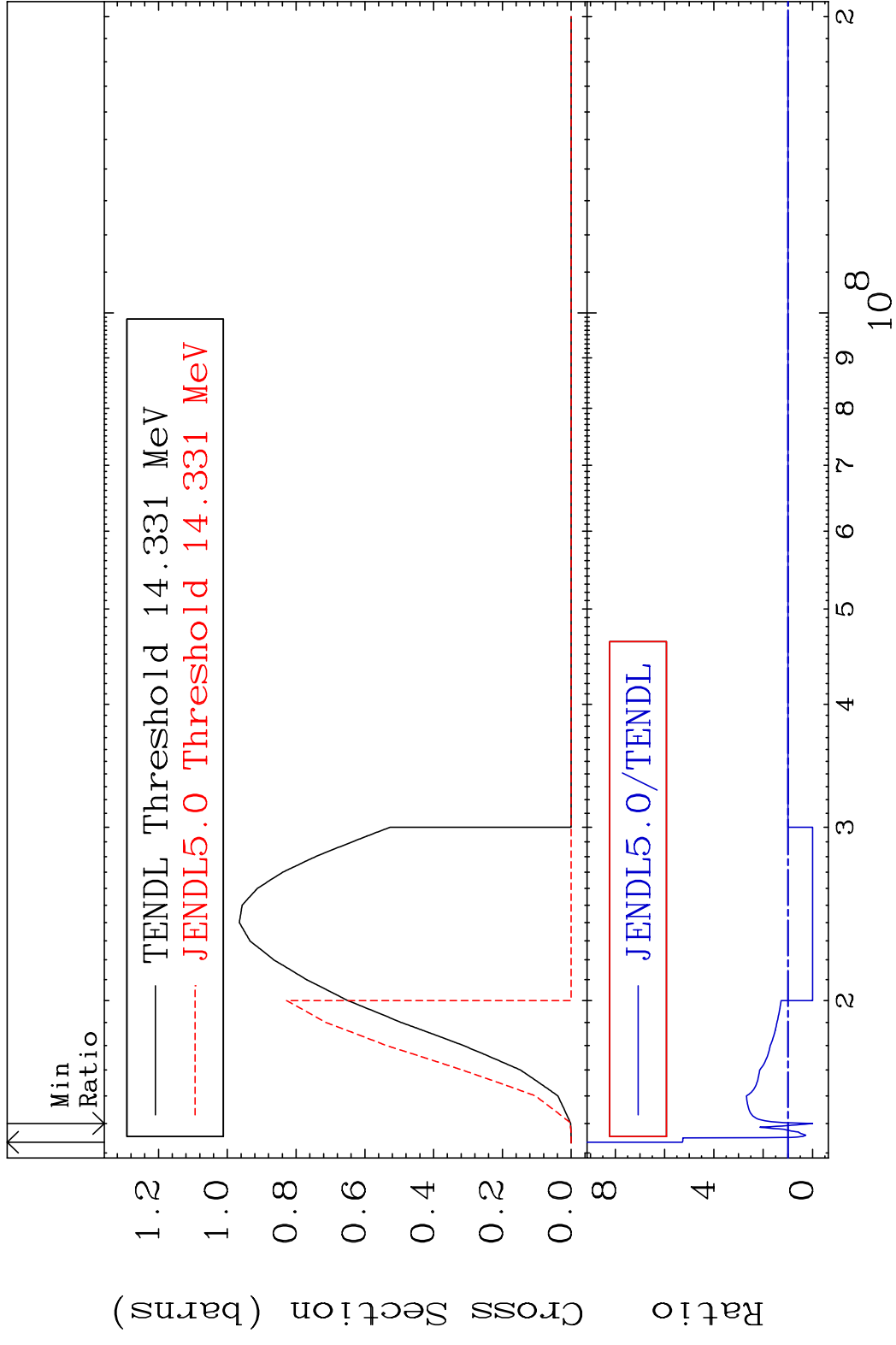
45 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
 Cross Section -100.0 To 4484. %



46 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,3n):80-Hg-199g 80-Hg-201
 Radionuclide Production Cross Section Ratio 427.9 %



MAT 8040 (n, 3n):80-Hg-199m7 80-Hg-201
 Radionuclide Production Cross Section Ratio 9999. %

