

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

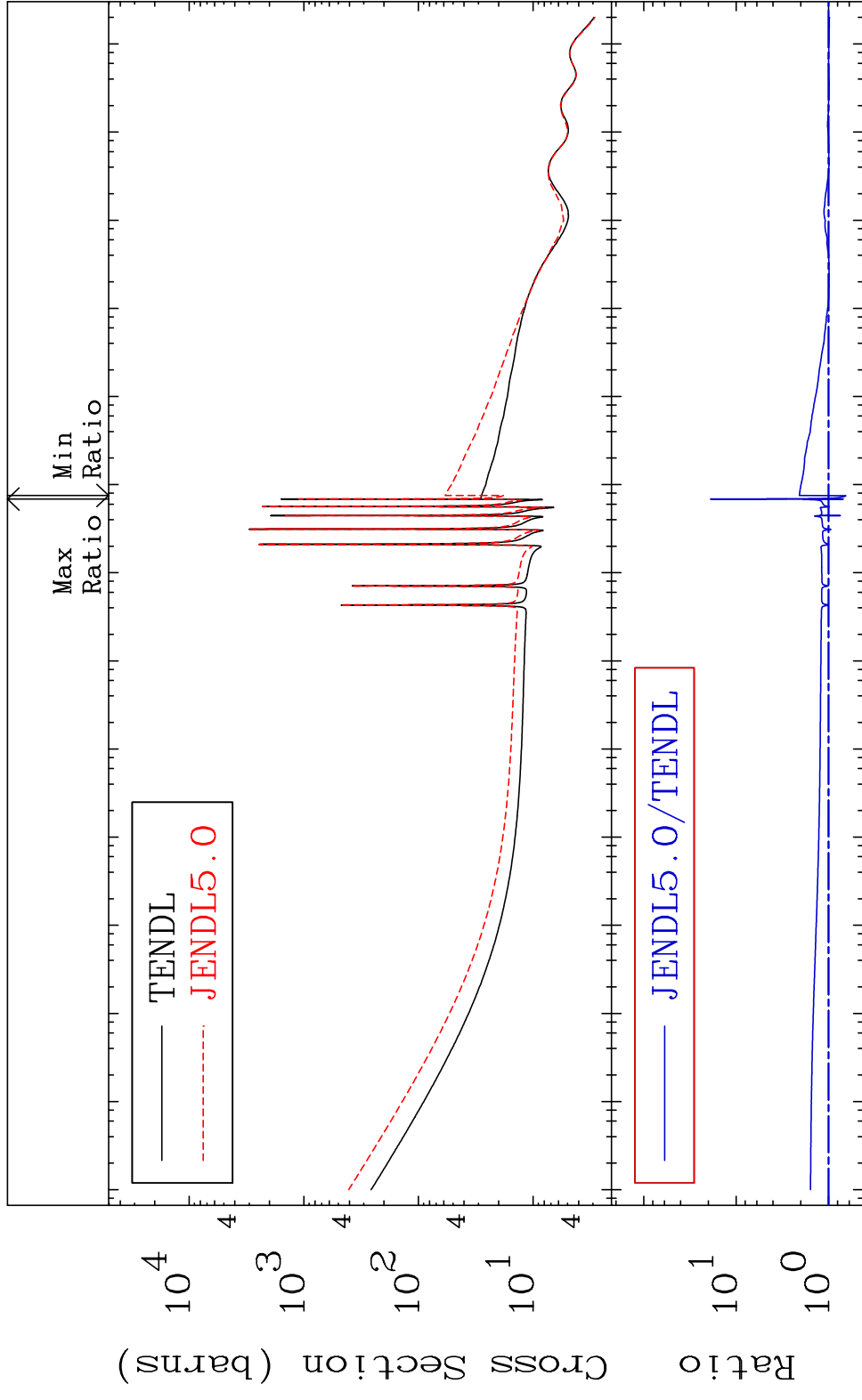
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8040

Total Cross Section -35.58 To 1789. %
80-Hg-201



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

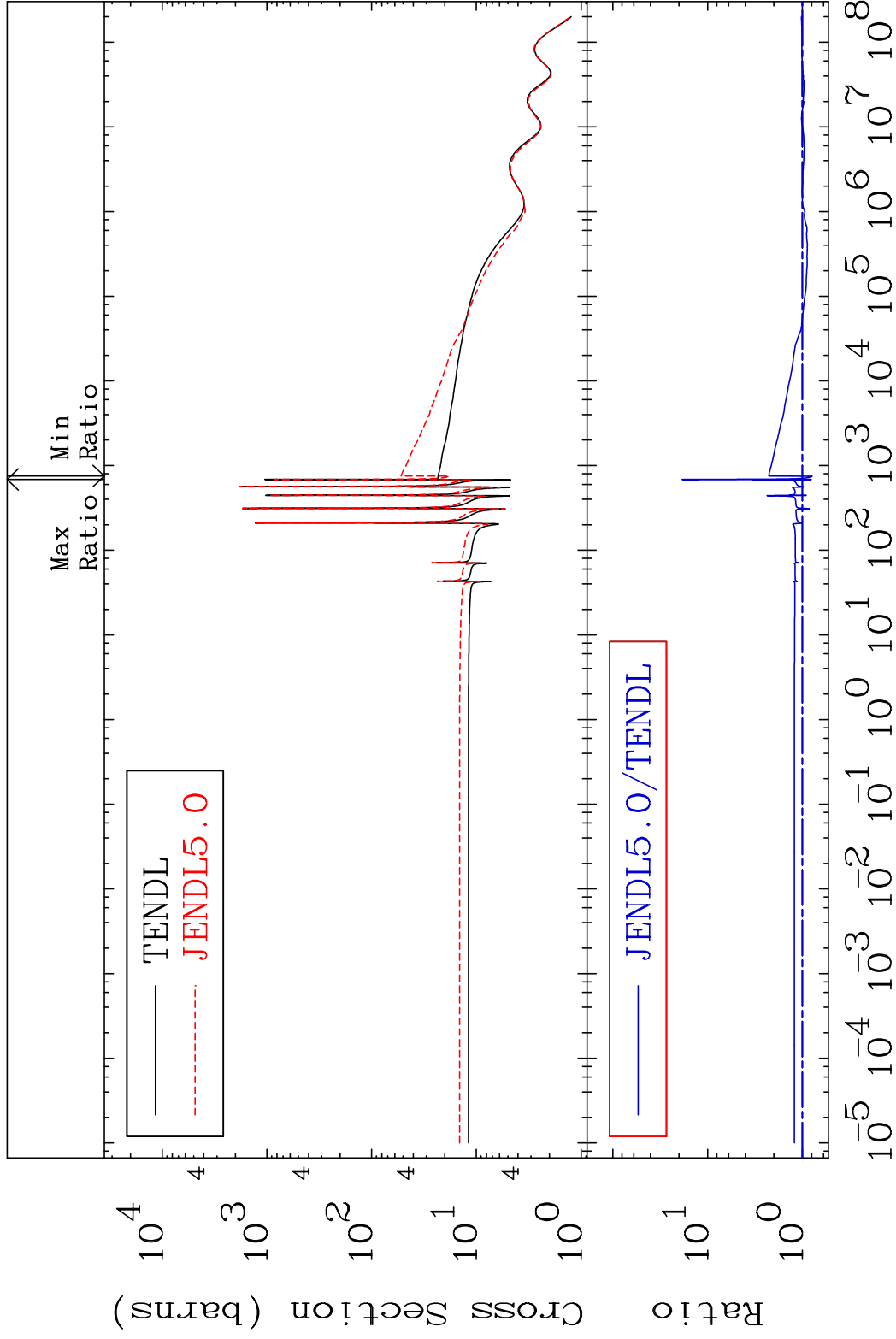
1 Incident Energy (eV) 80-Hg-201

MAT 8040

Elastic

80-Hg-201

Cross Section -21.82 To 1747. %

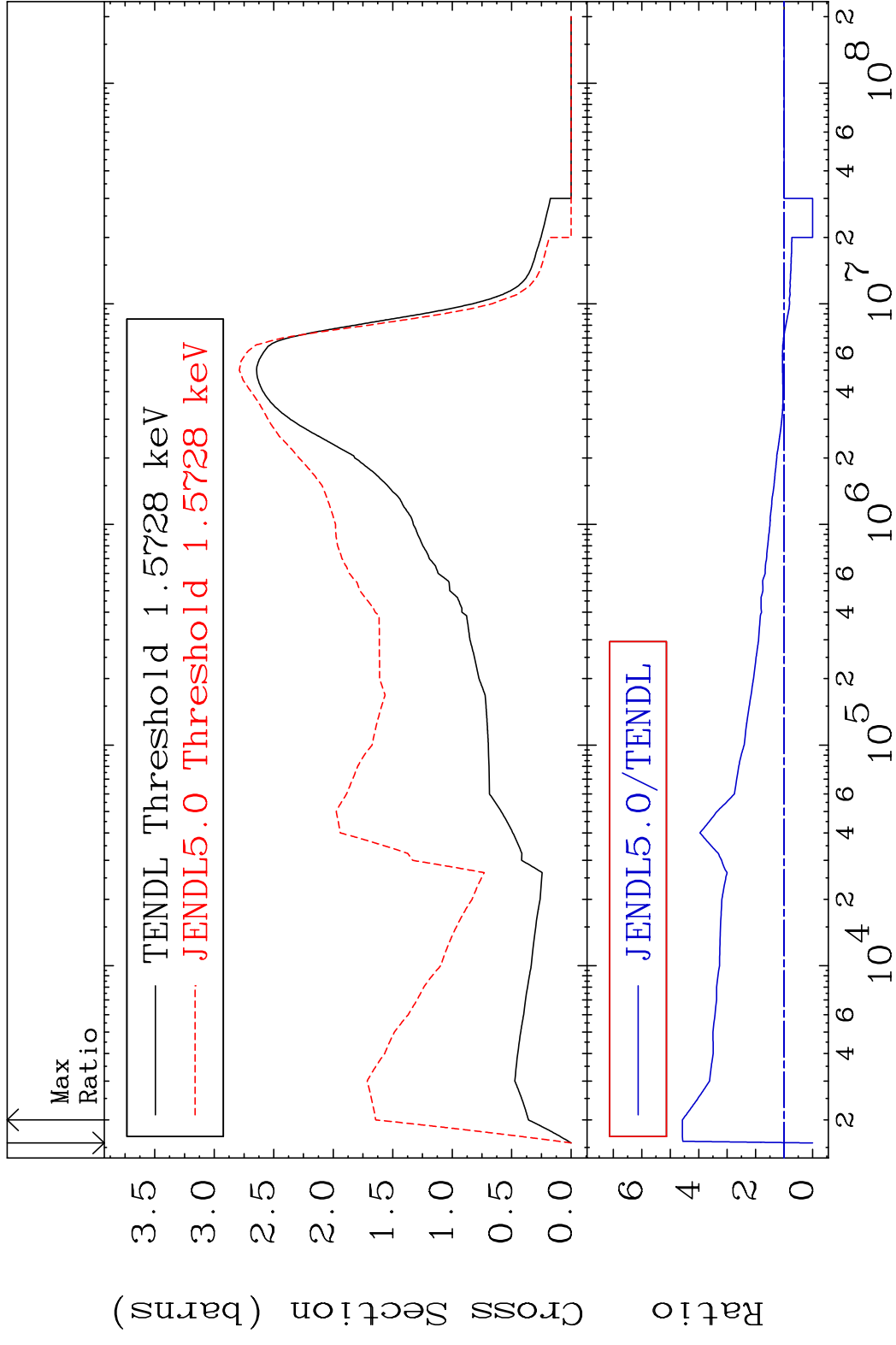


2

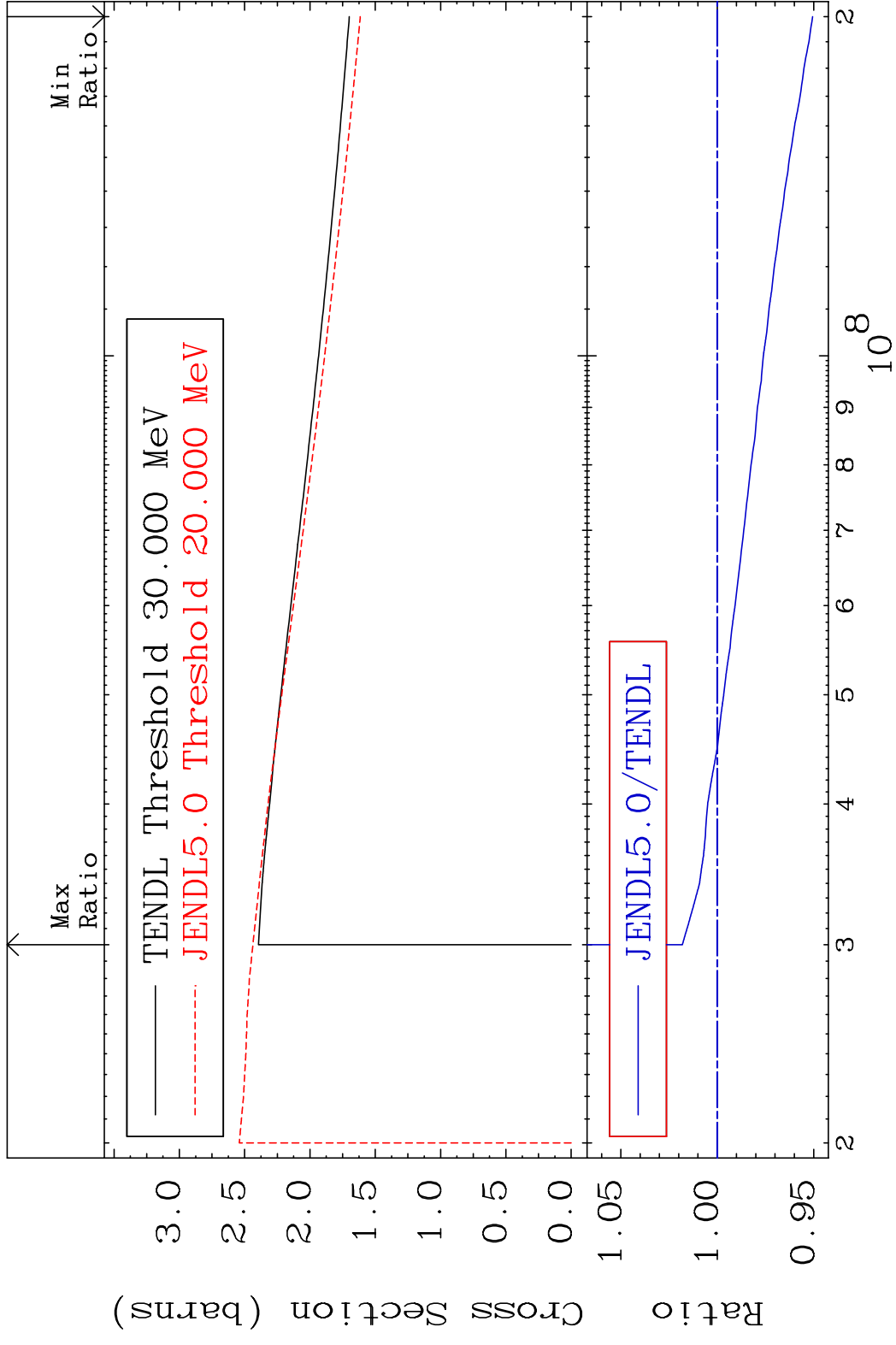
Incident Energy (eV)

80-Hg-201

MAT 8040 Inelastic Cross Section -100.0 To 357.5 % 80-Hg-201

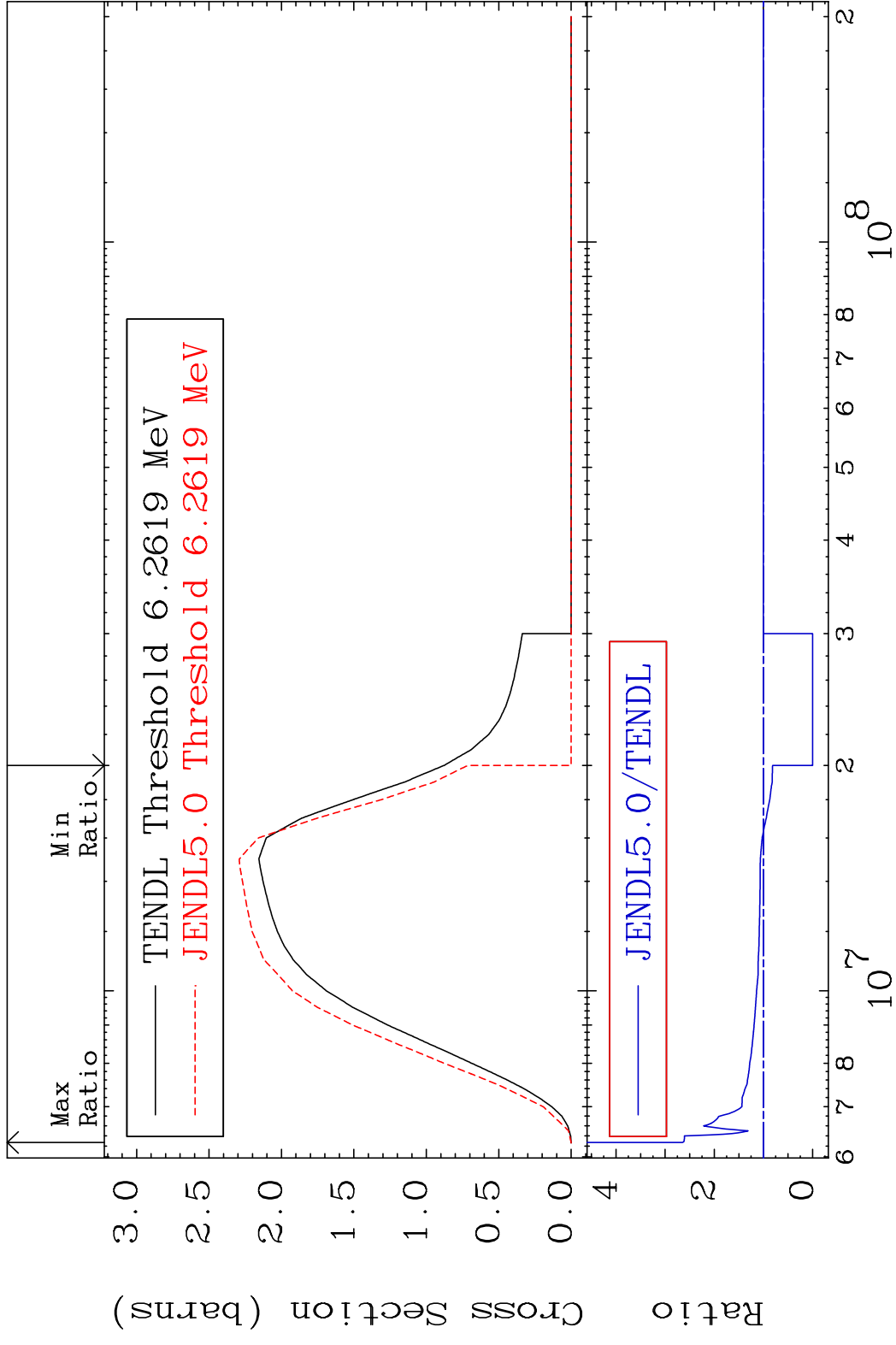


MAT 8040 (n, remainder) 80-Hg-201
 Cross Section -4.943 To 1.809 %



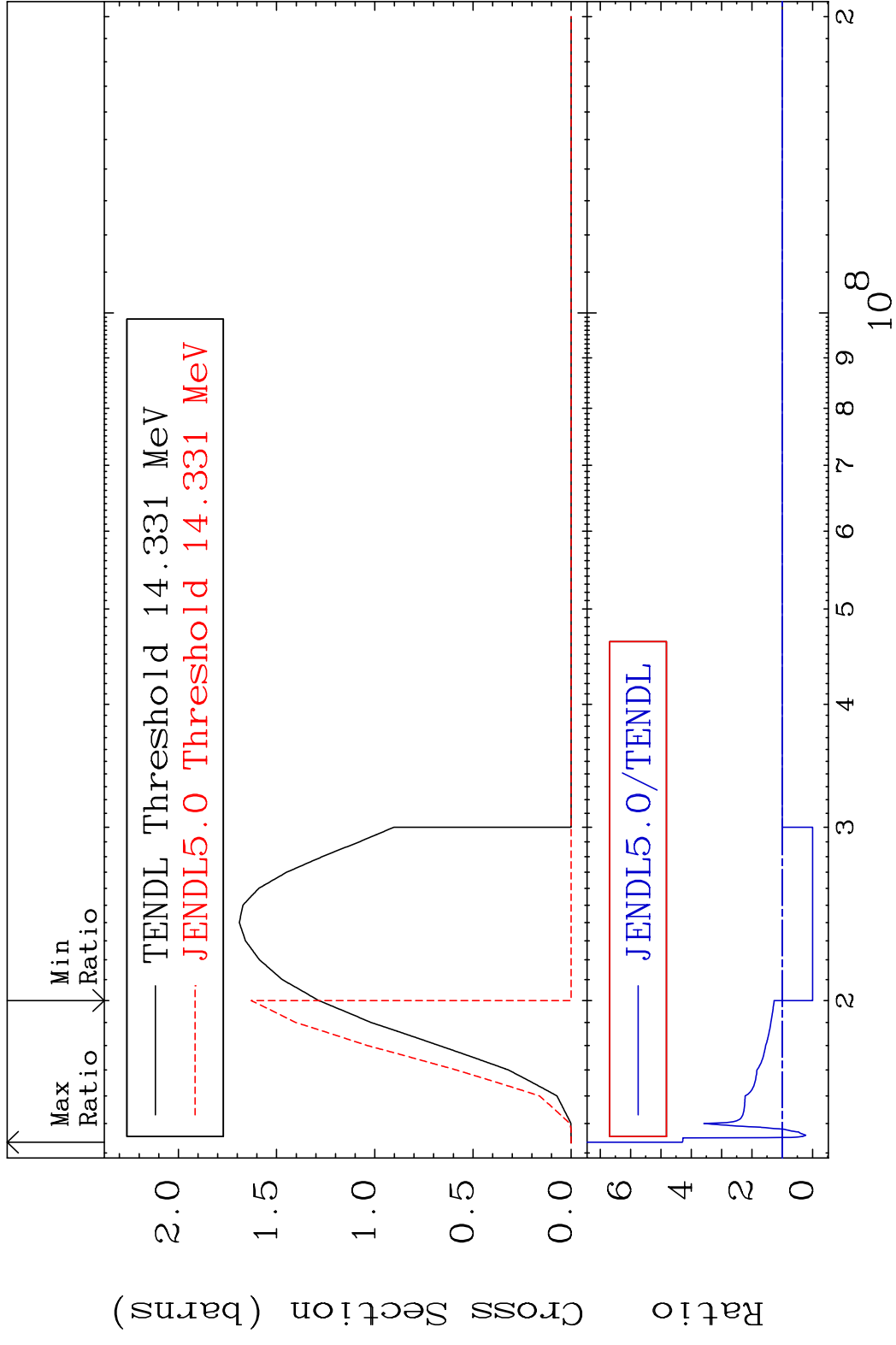
4 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,2n) 80-Hg-201
 Cross Section -100.0 To 165.0 %

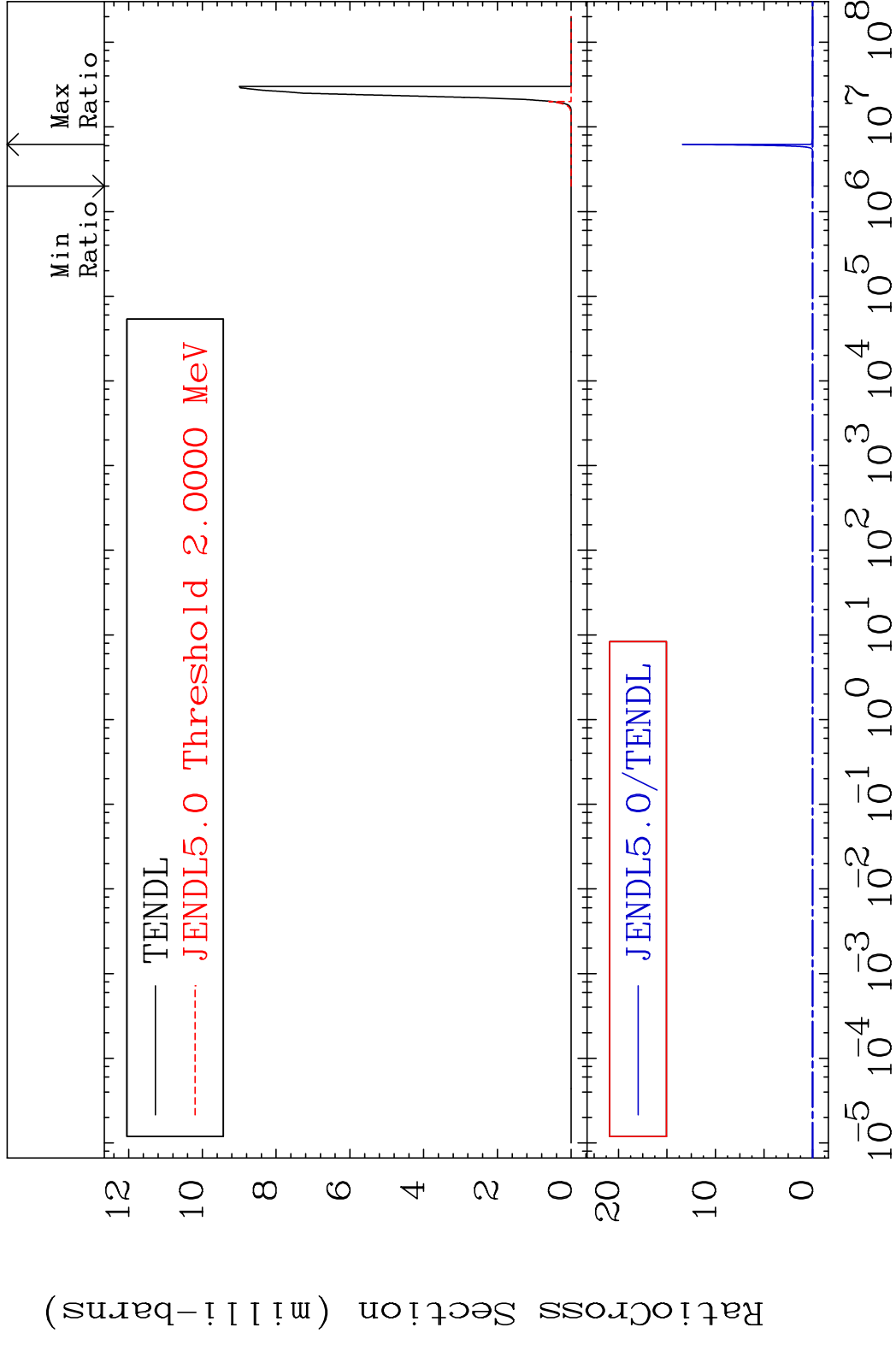


5 80-Hg-201

MAT 8040 (n,3n) 80-Hg-201
 Cross Section -100.0 To 329.3 %

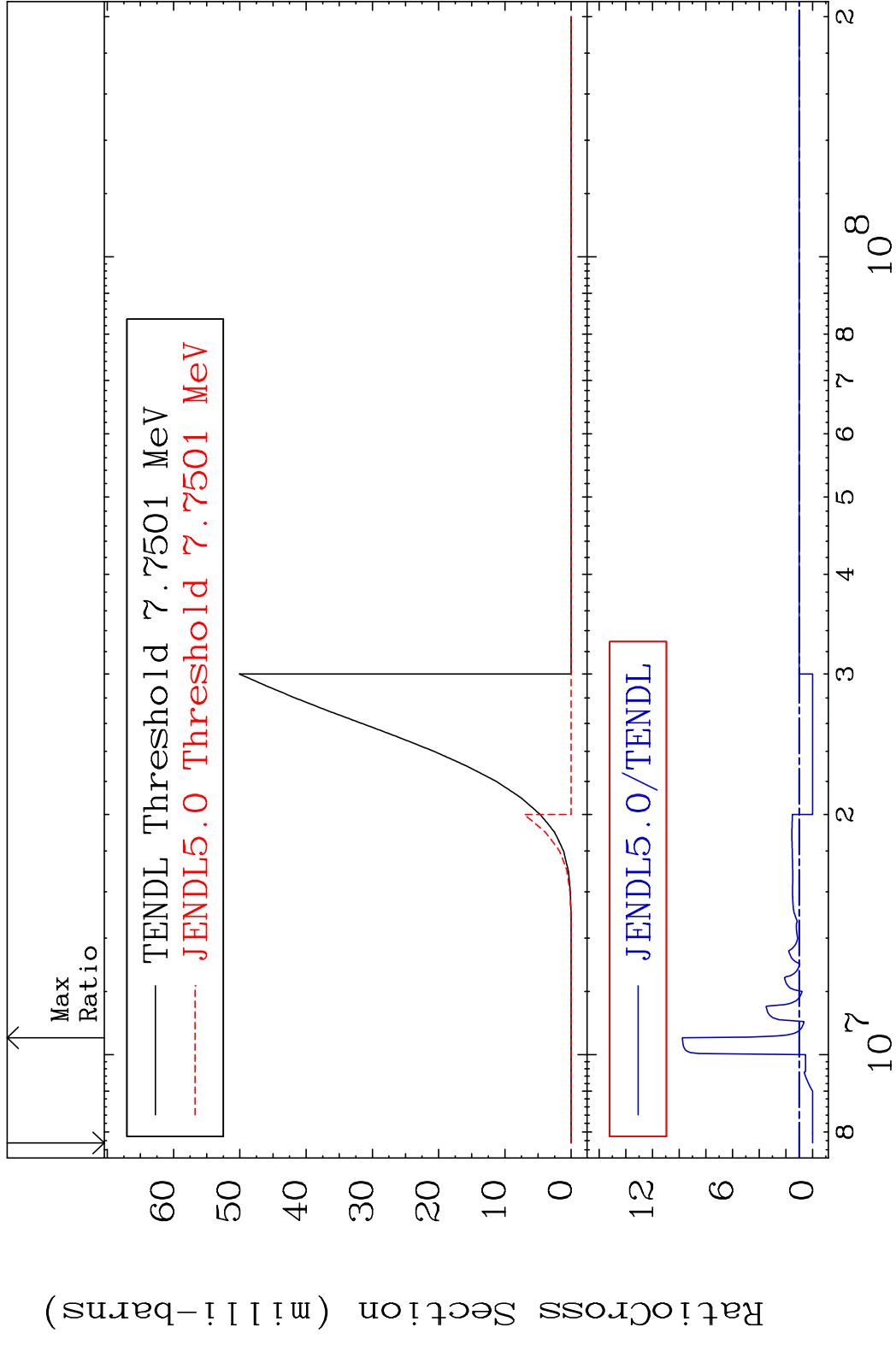


MAT 8040 (n, n') α 80-Hg-201
 Cross Section -100.0 To 9999. %



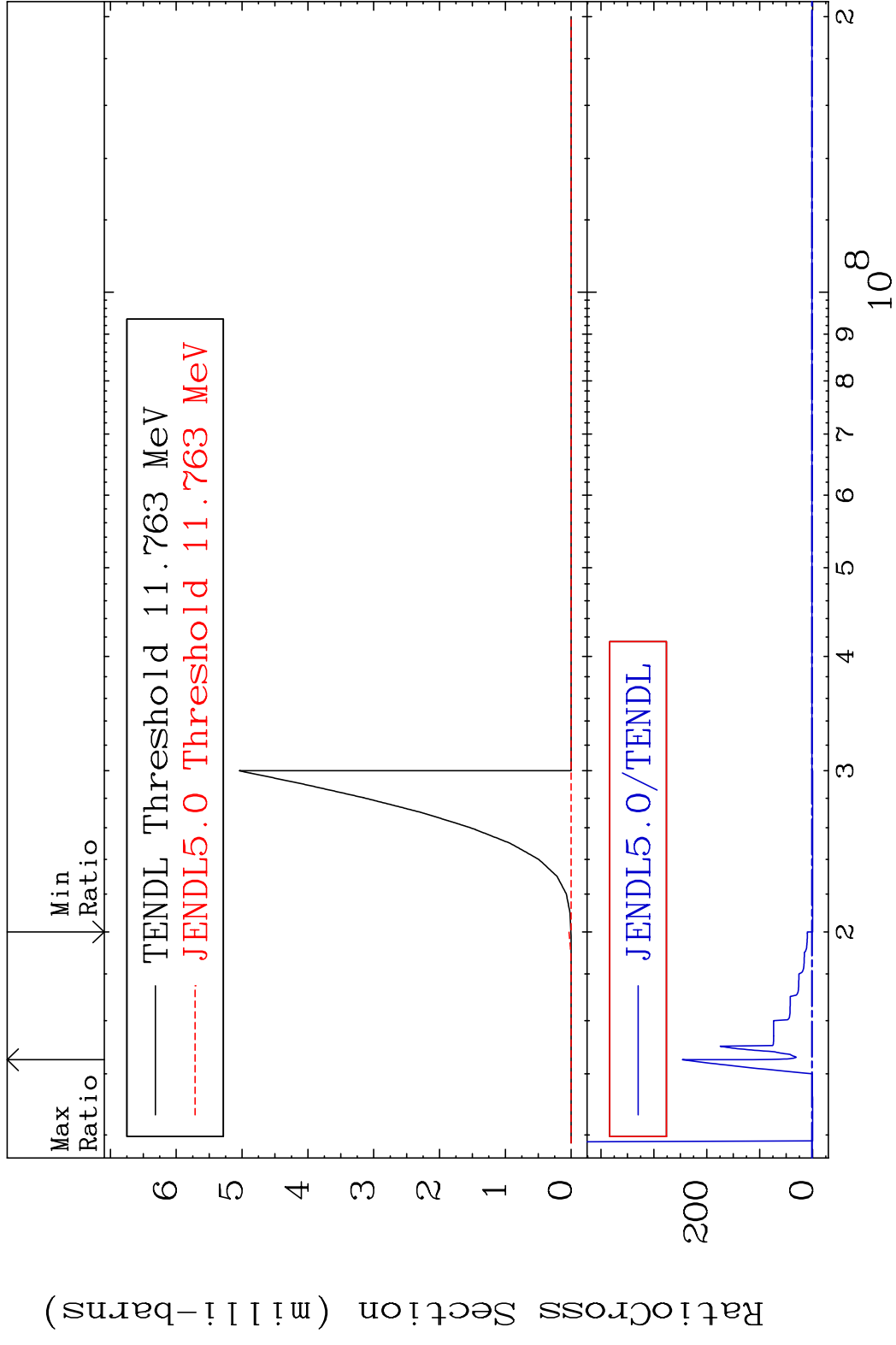
7 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, n') p 80-Hg-201
 Cross Section -100.0 To 875.8 %

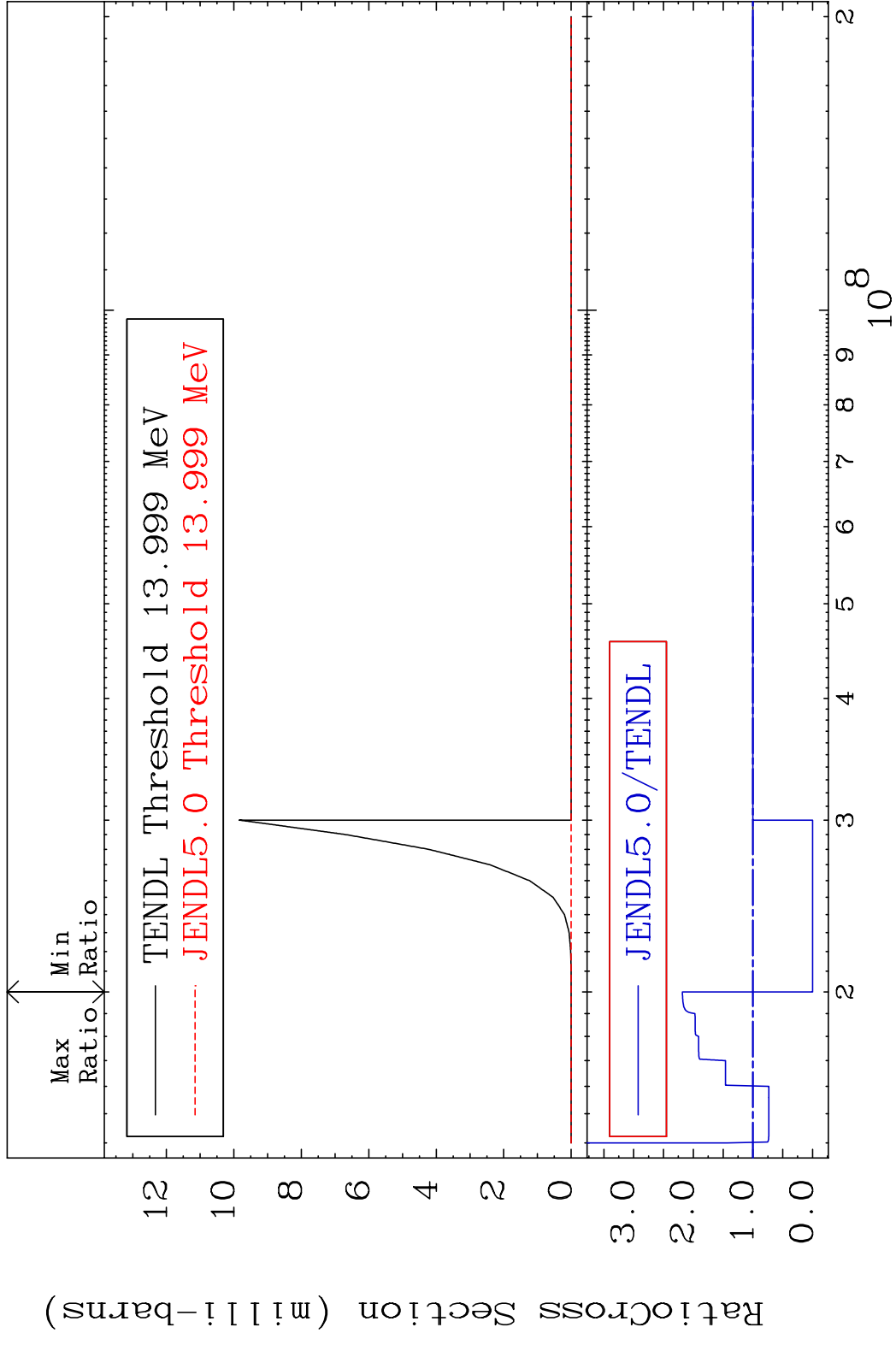


8 8 Incident Energy (eV) 80-Hg-201

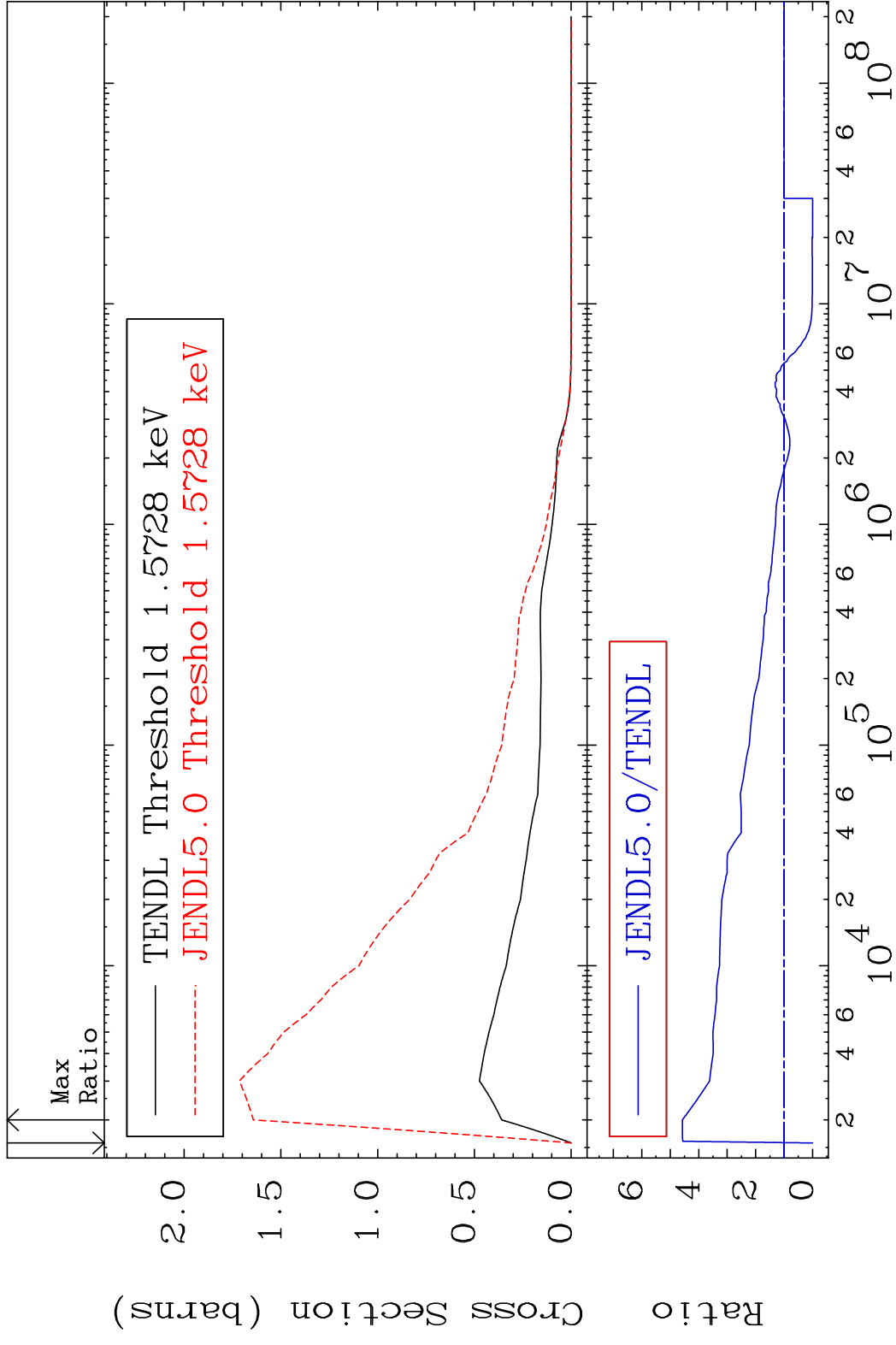
MAT 8040 (n, n') d 80-Hg-201
 Cross Section -100.0 To 9999. %



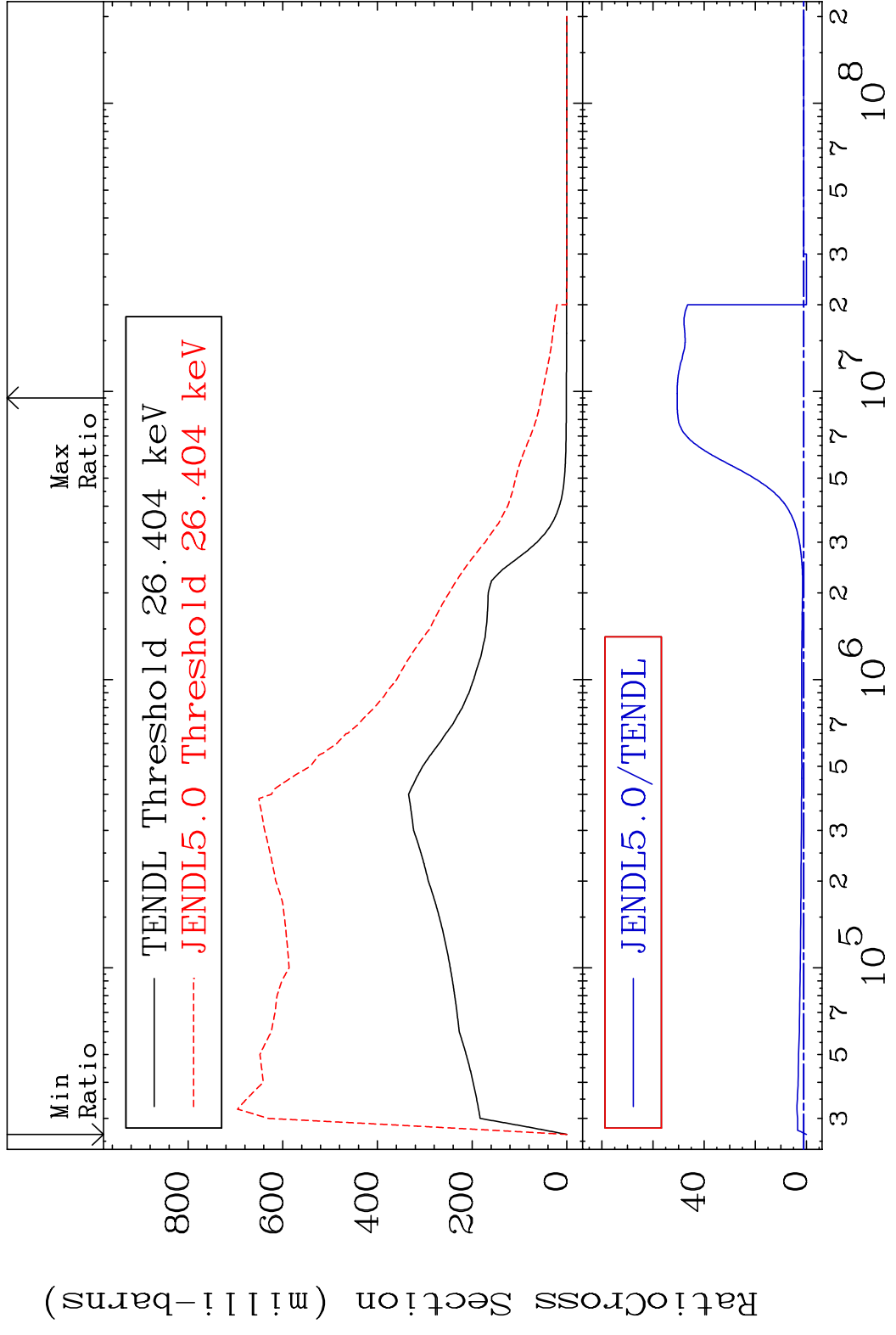
MAT 8040 (n,2n) p 80-Hg-201
 Cross Section -100.0 To 118.3 %



MAT 8040 MT= 51 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 357.5 %

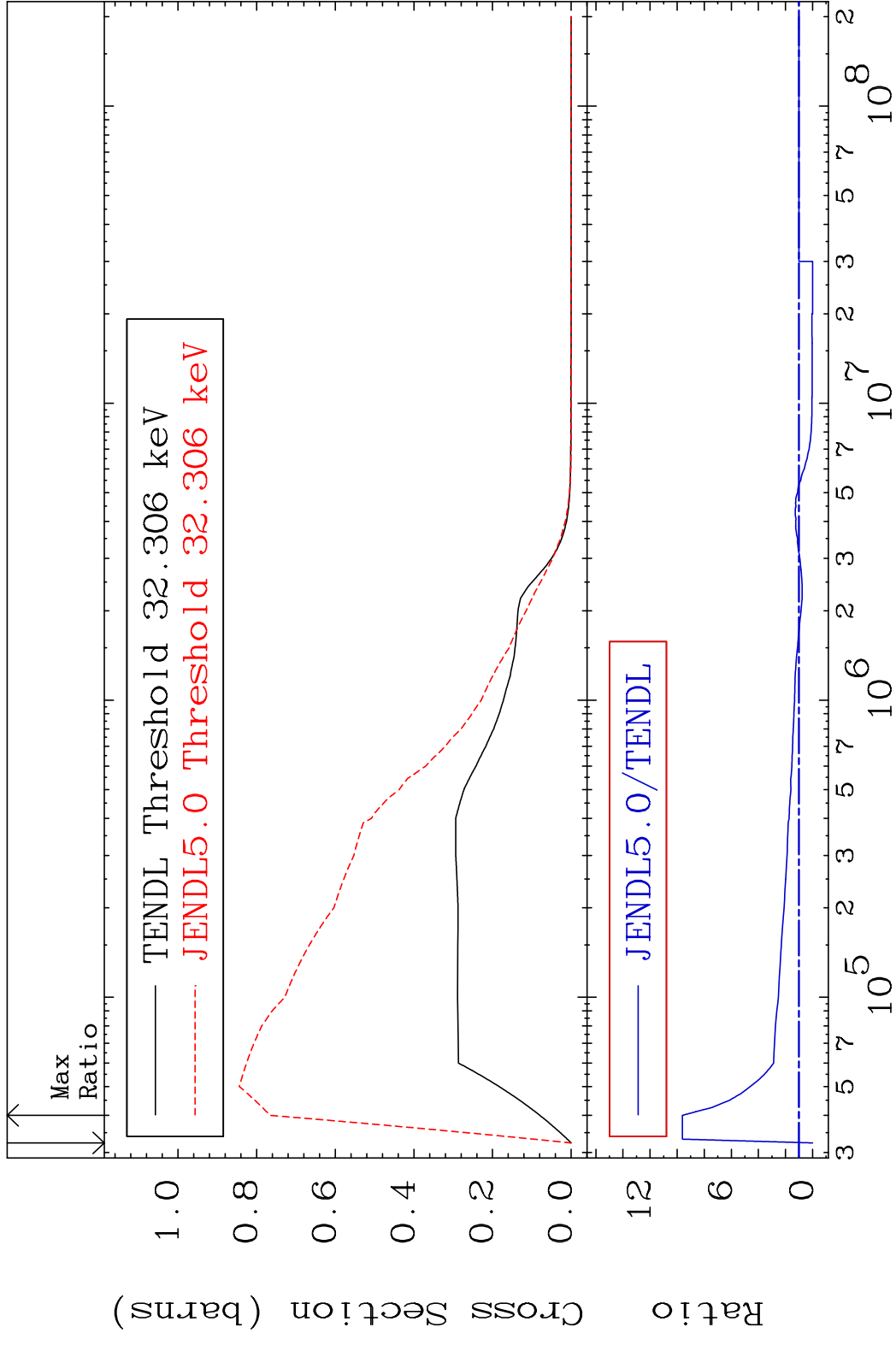


MAT 8040 MT= 52 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 4954. %

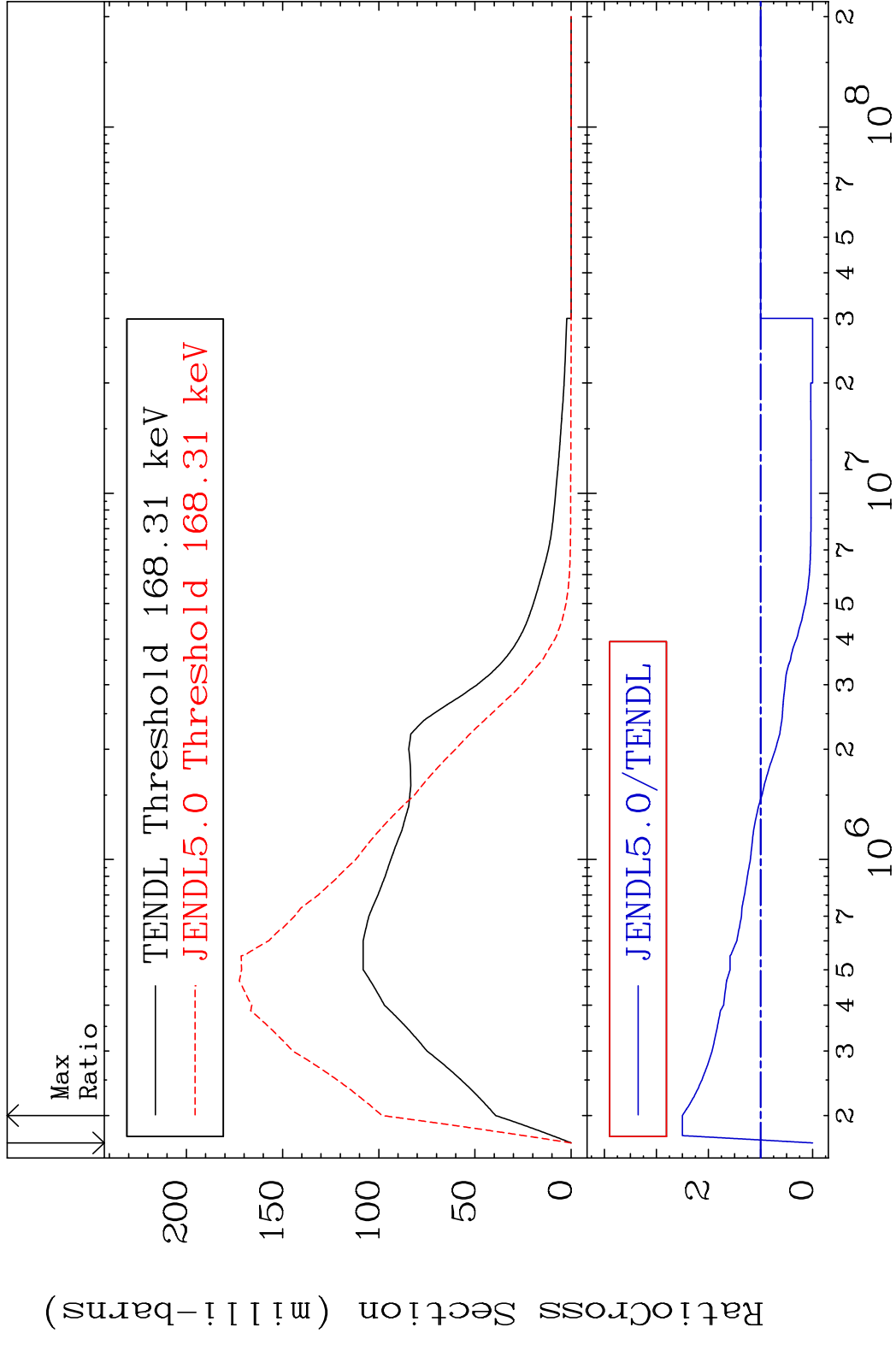


12 80-Hg-201

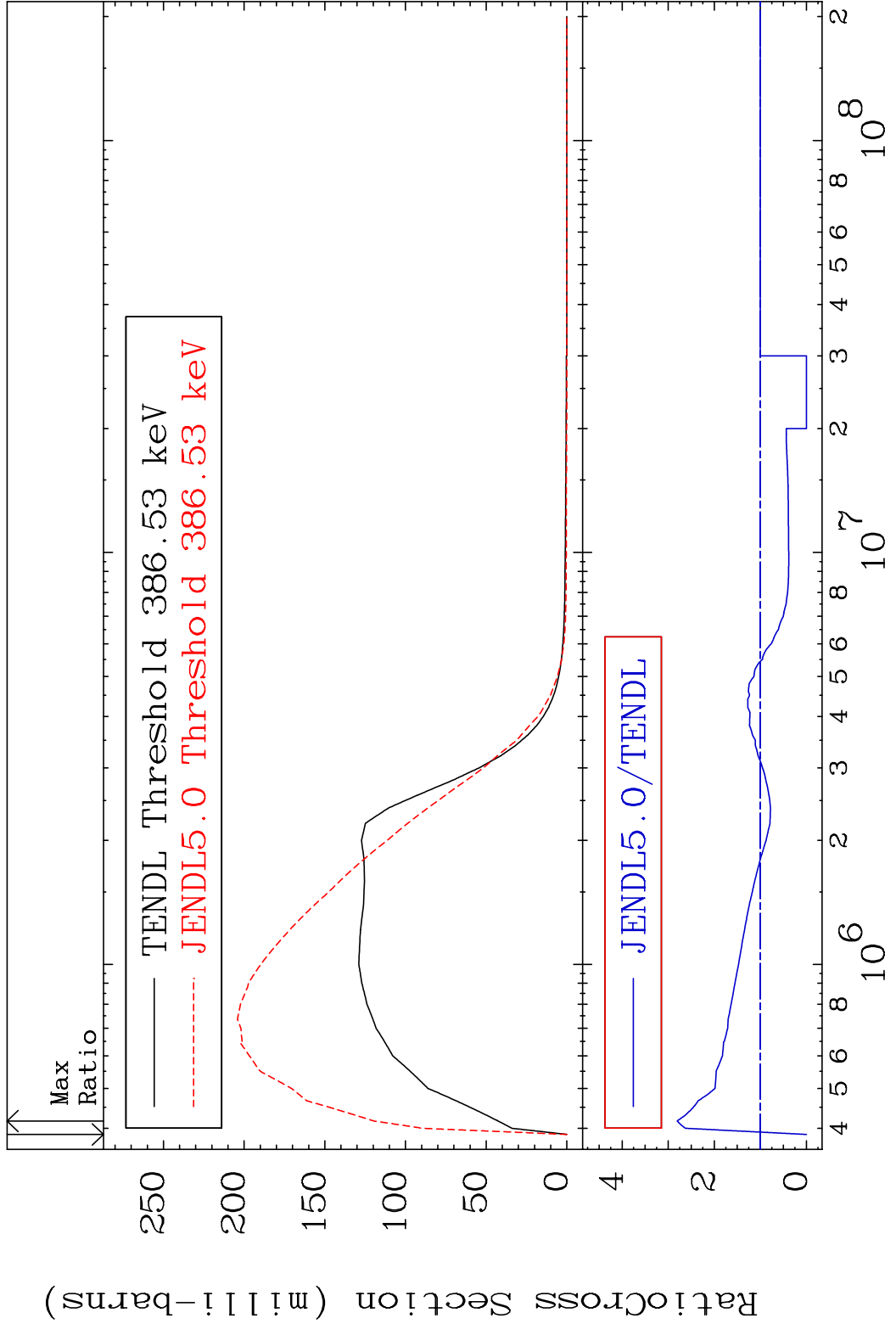
MAT 8040 MT= 53 (n,n') Level 80-Hg-201
 Cross Section -100.0 To 861.5 %



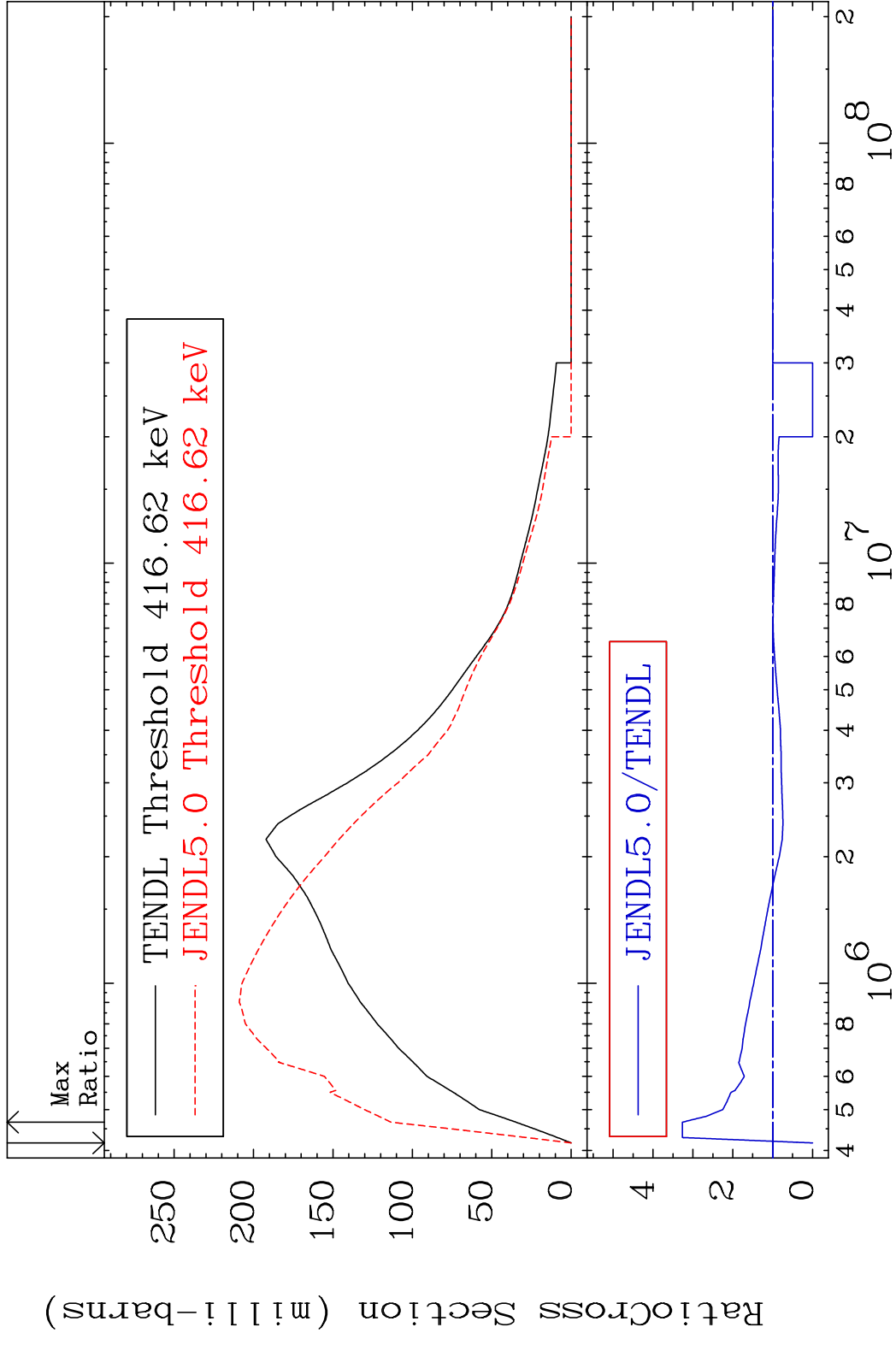
MAT 8040 MT= 54 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 150.2 %



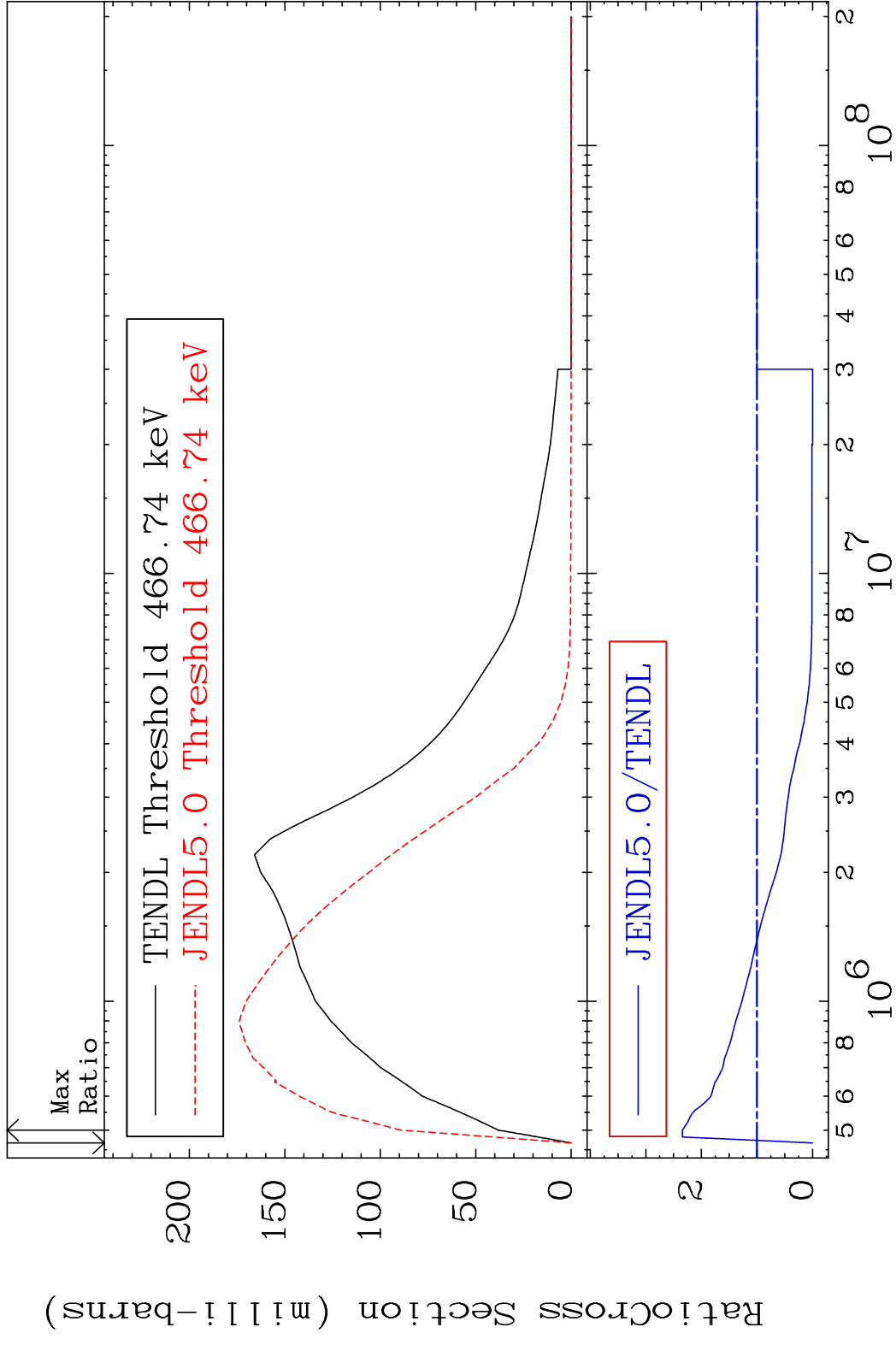
MAT 8040 MT= 55 (n,n') Level 80-Hg-201
 Cross Section -100.0 To 180.5 %



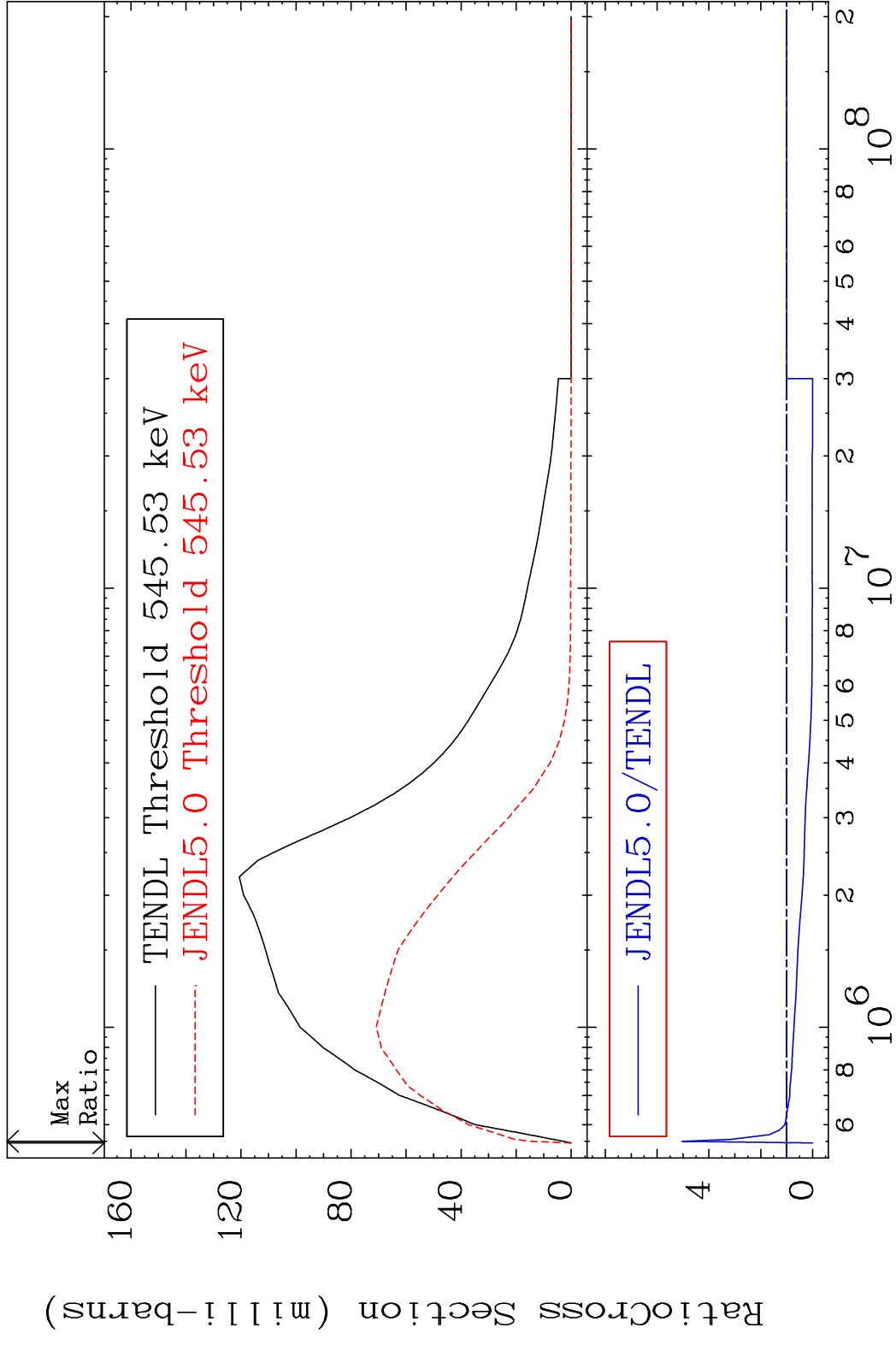
MAT 8040 MT= 56 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 226.4 %



MAT 8040 MT= 57 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 134.2 %

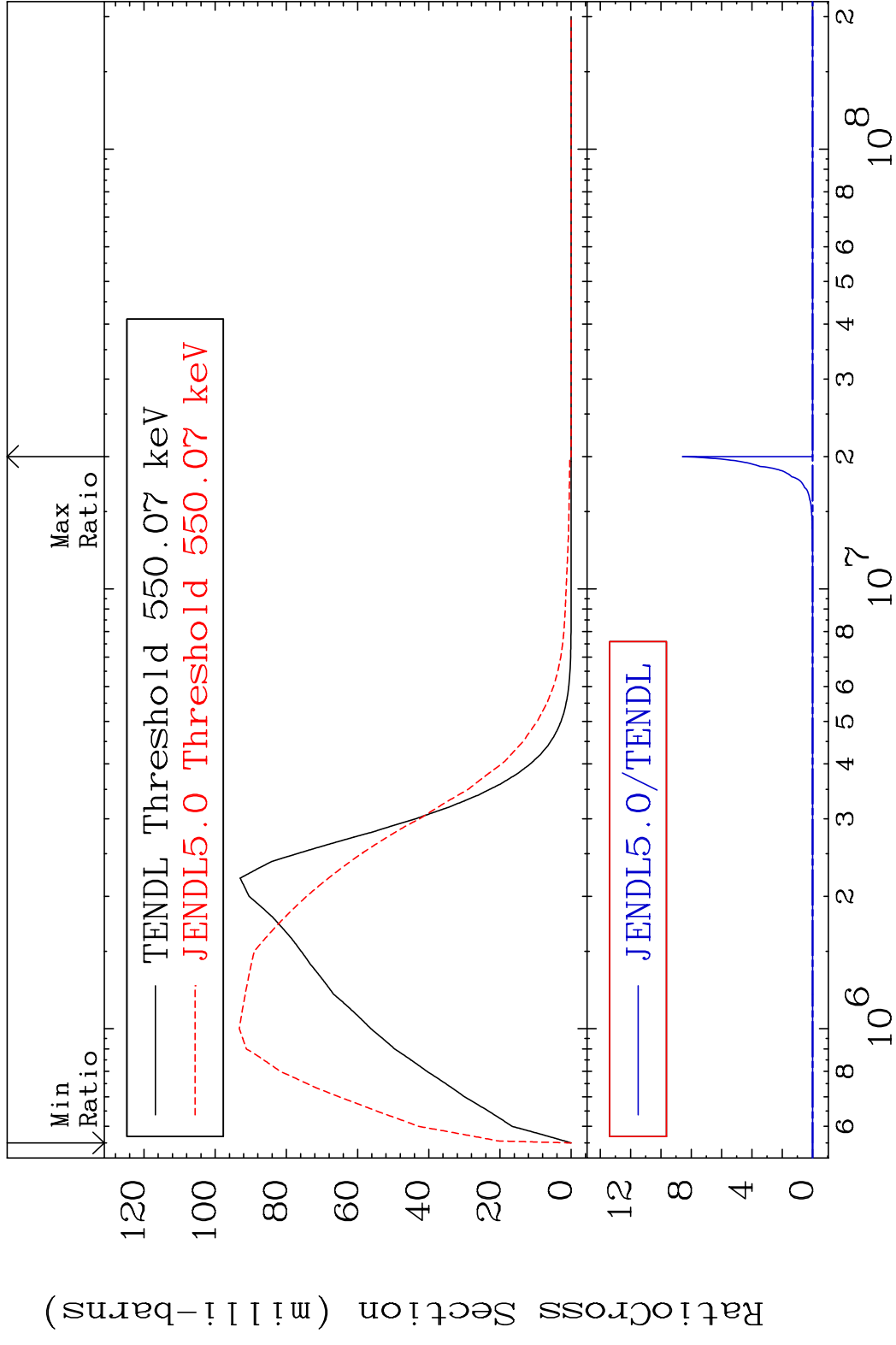


MAT 8040 MT= 58 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 402.5 %

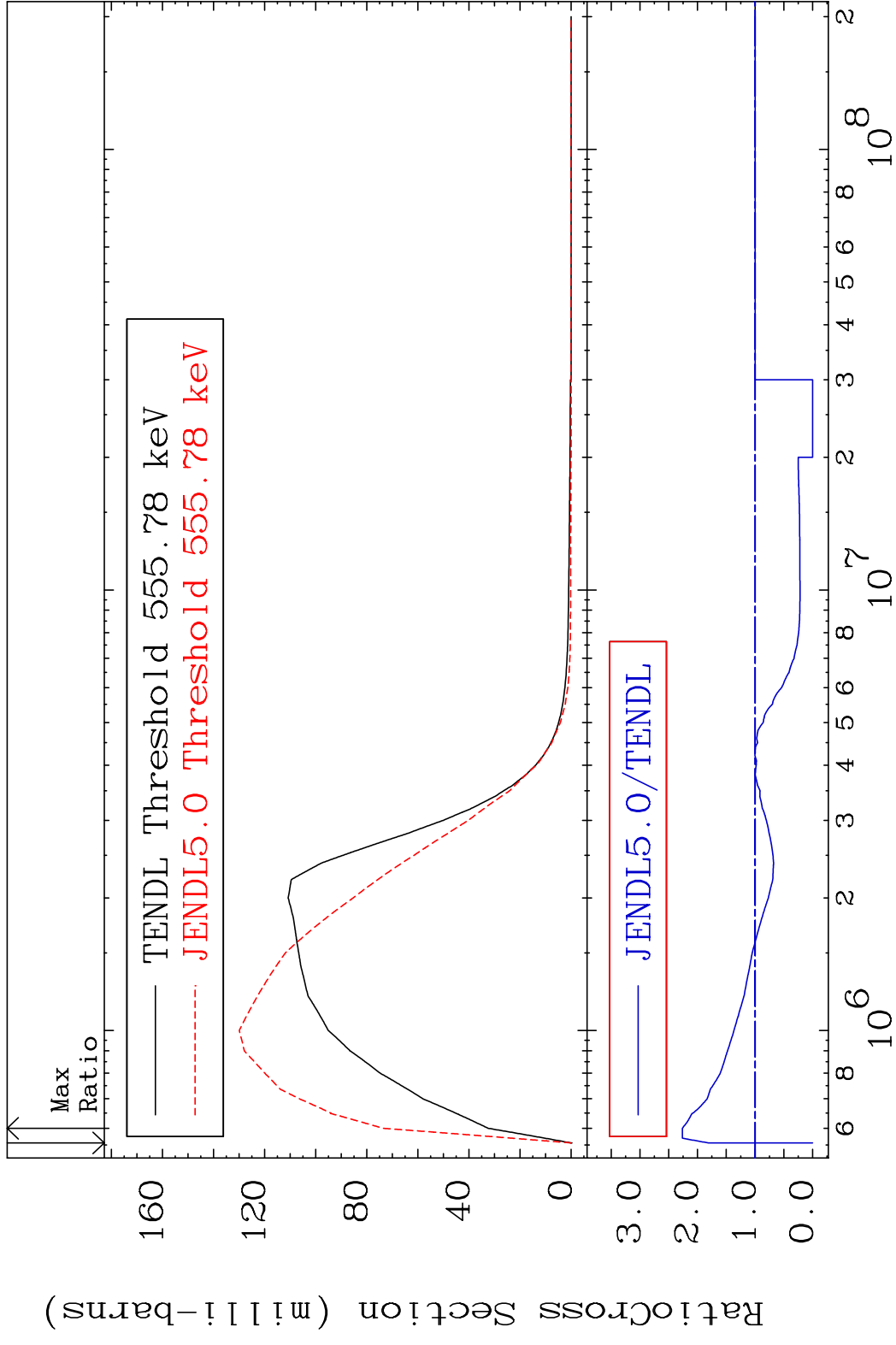


18 80-Hg-201

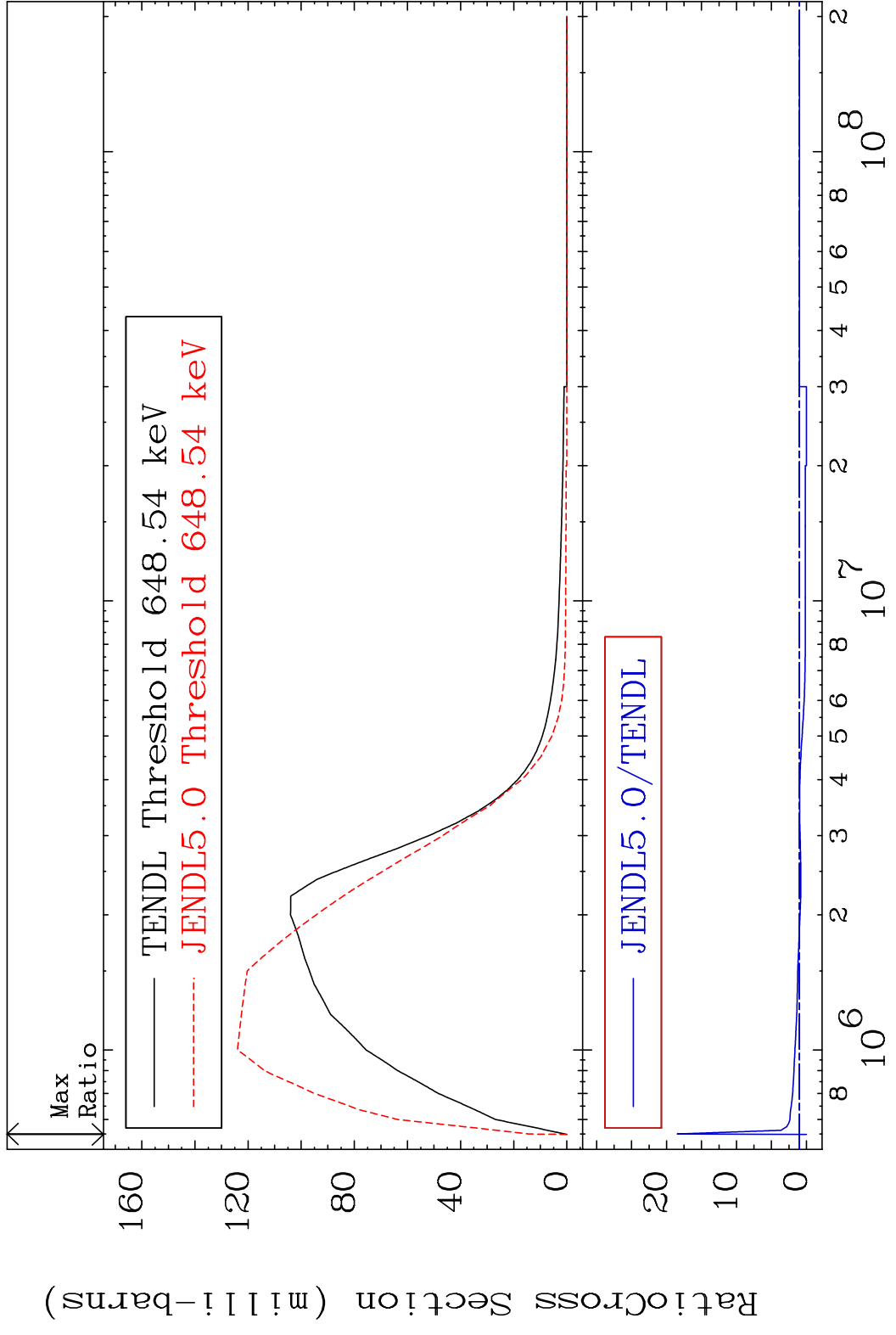
MAT 8040 MT= 59 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 9999. %



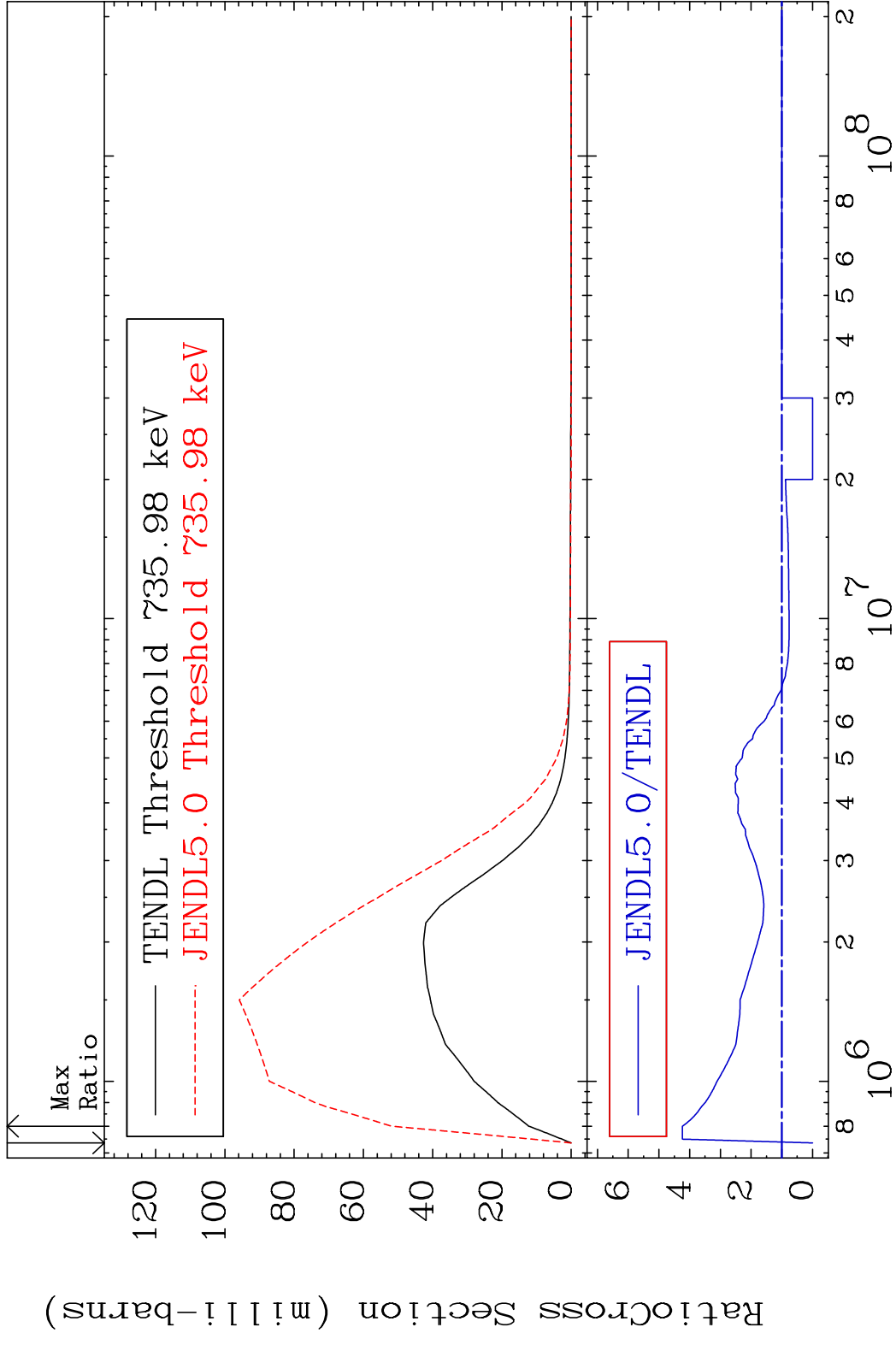
MAT 8040 MT= 60 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 126.4 %



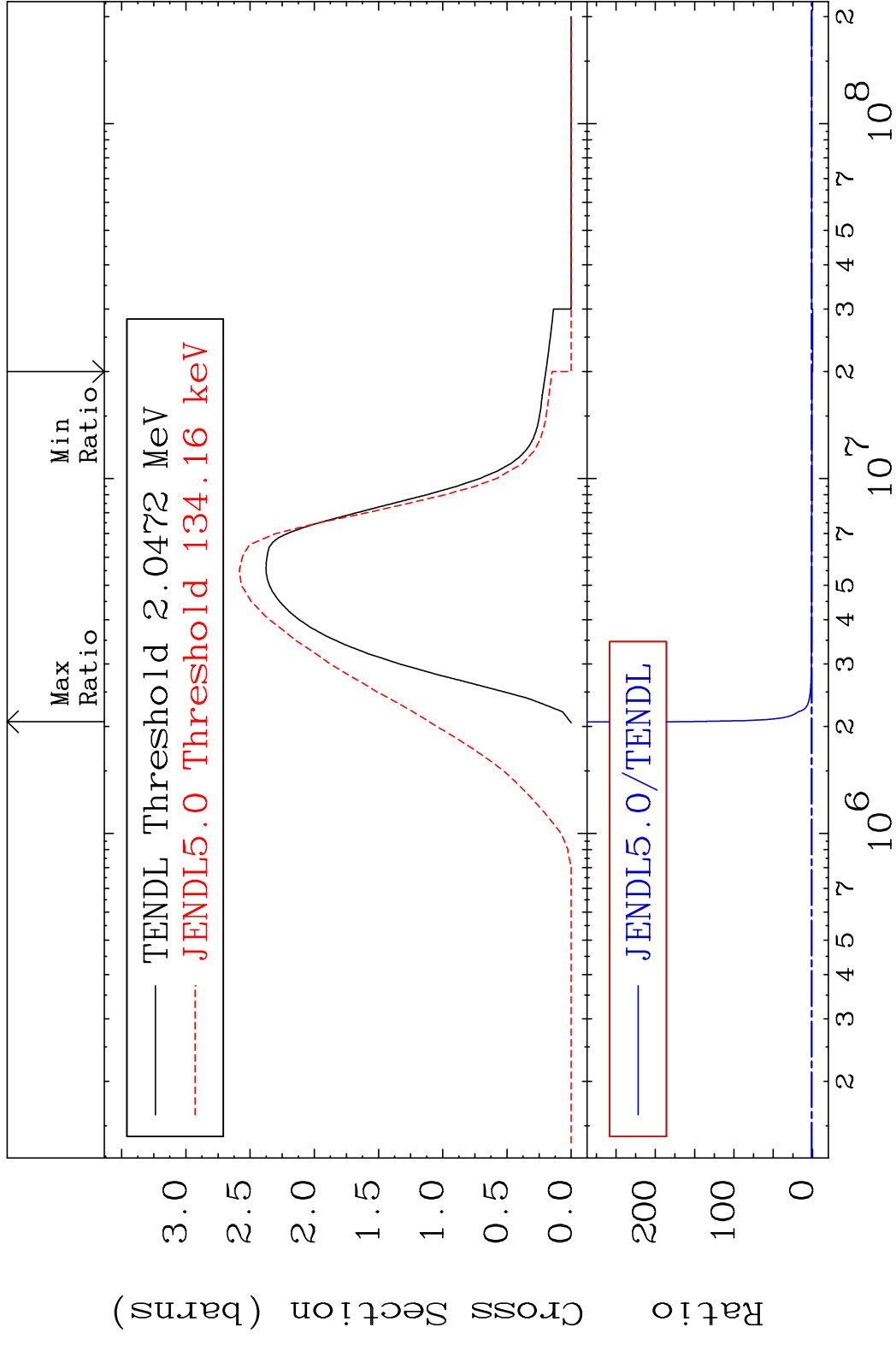
MAT 8040 MT= 61 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 1748. %



MAT 8040 MT= 62 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 323.8 %



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

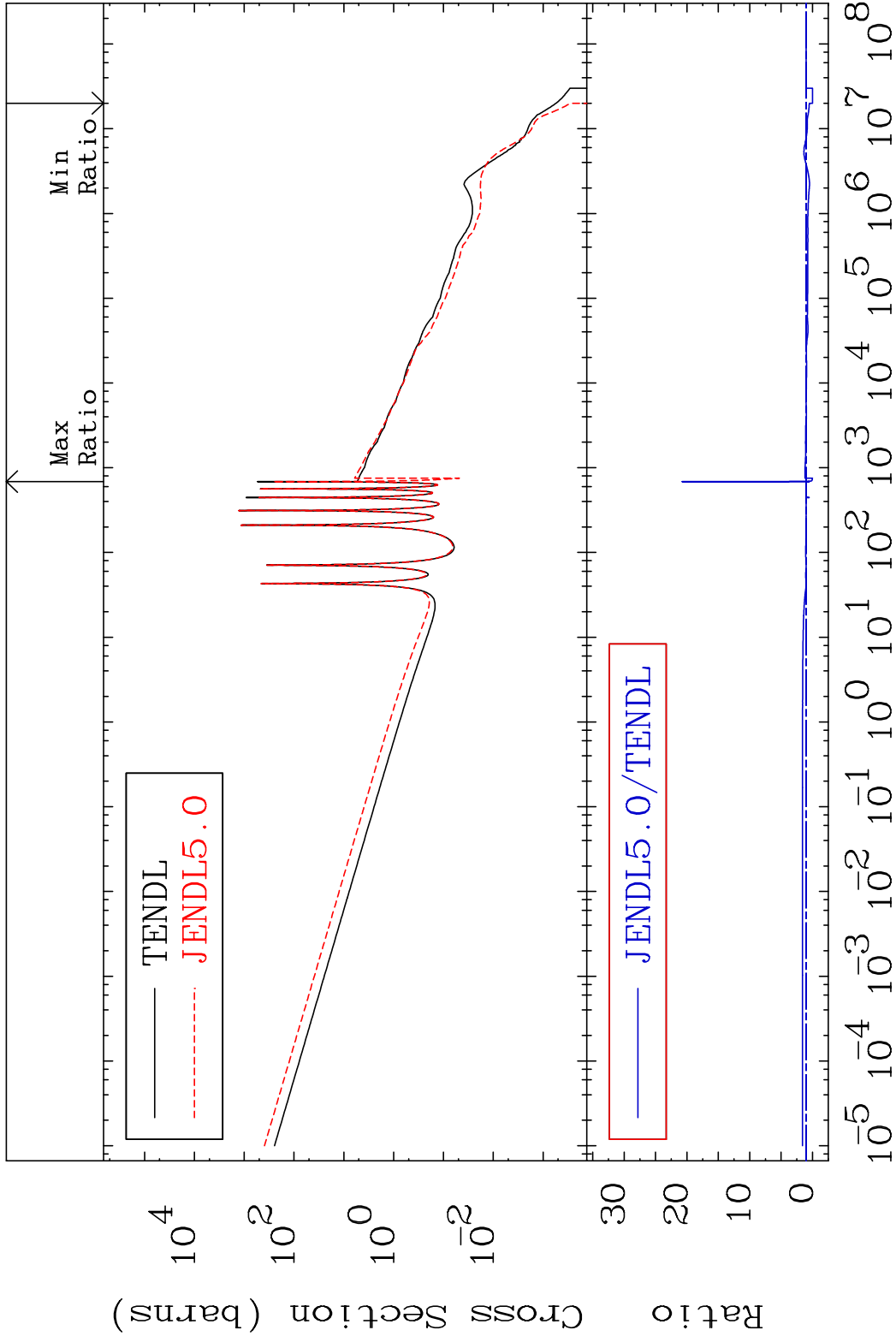


MAT 8040

(n, γ)

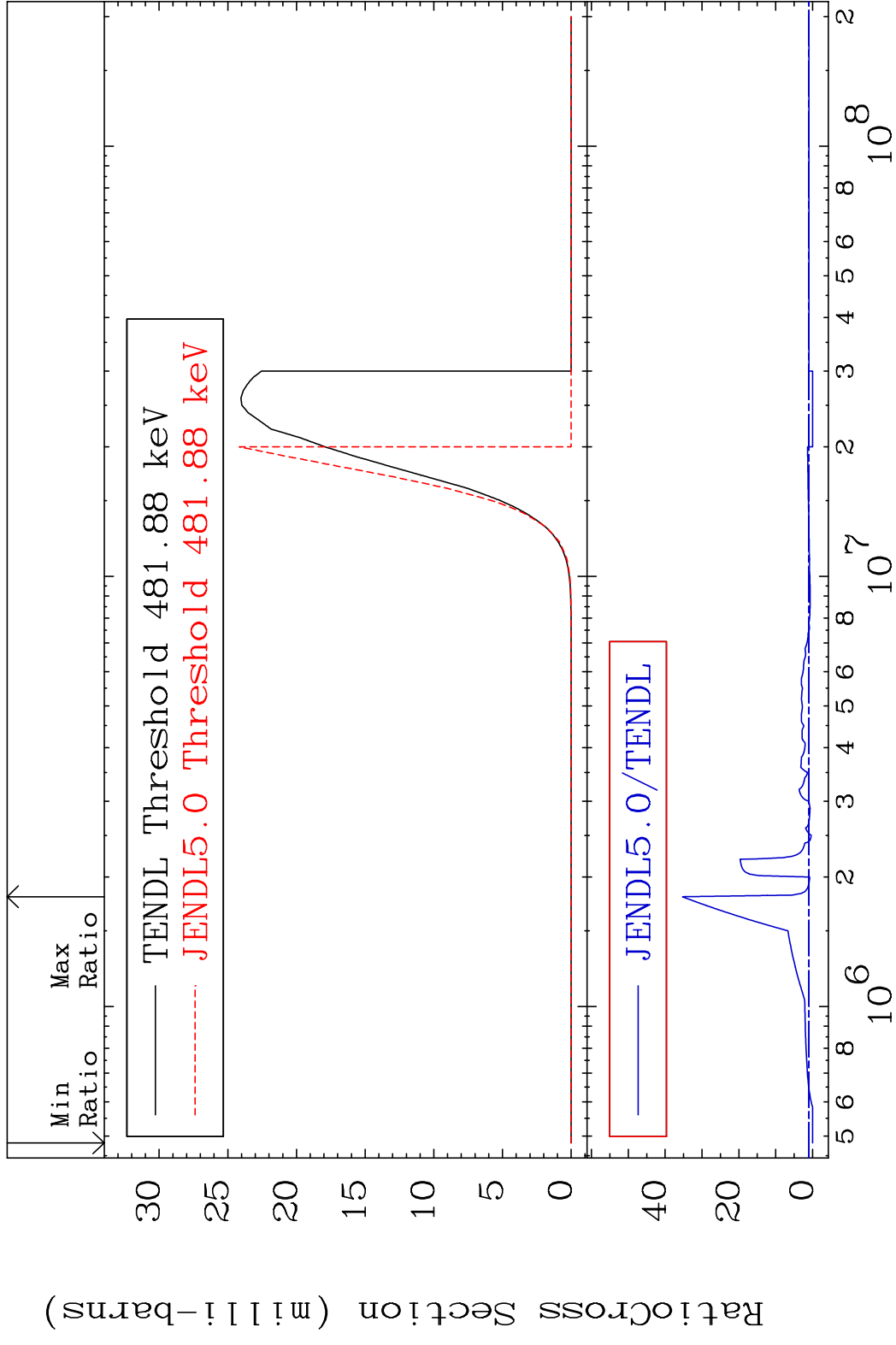
80-Hg-201

Cross Section -100.0 To 1976. %



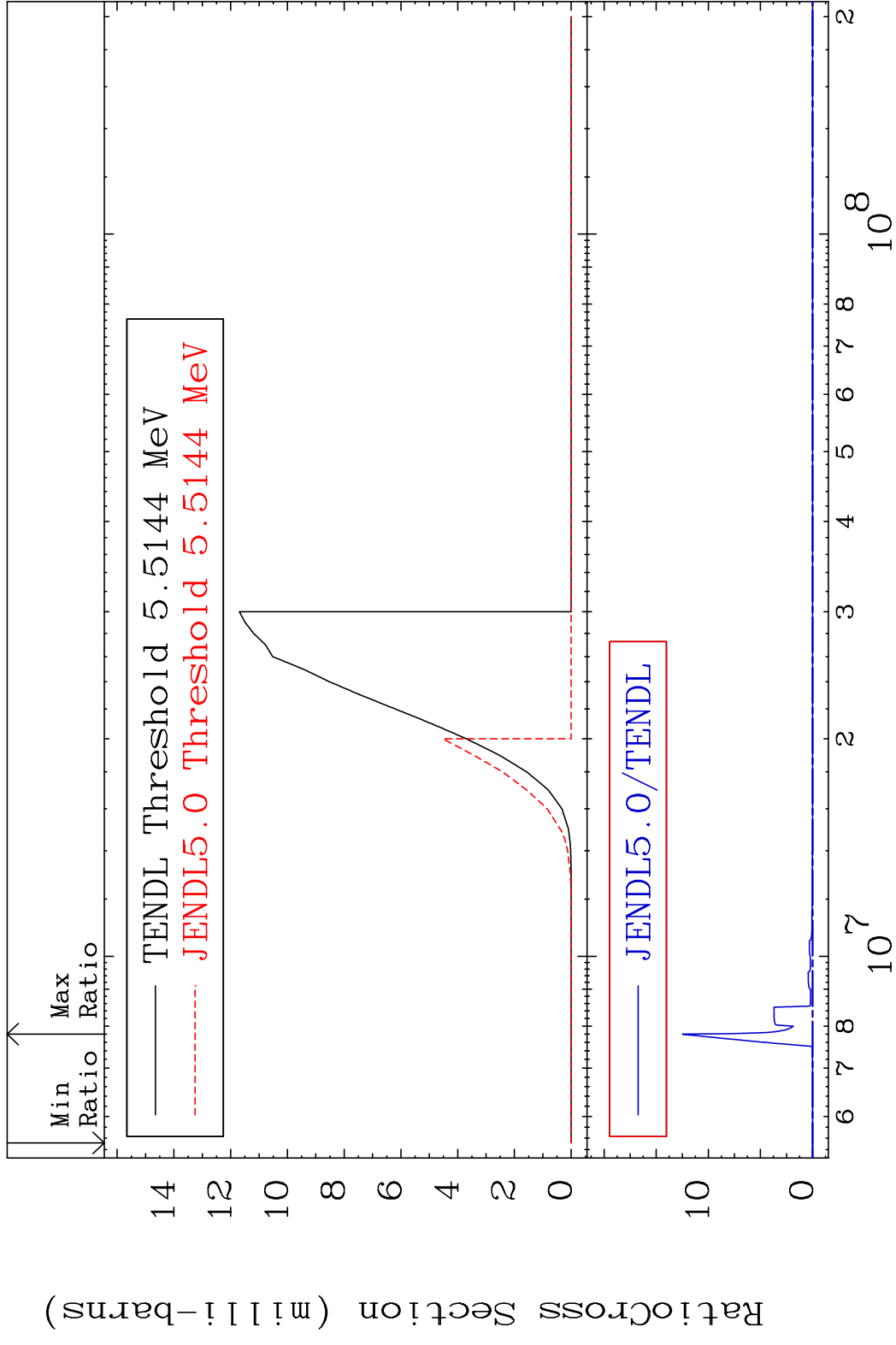
24

MAT 8040 (n,p) 80-Hg-201
 Cross Section -100.0 To 3434. %



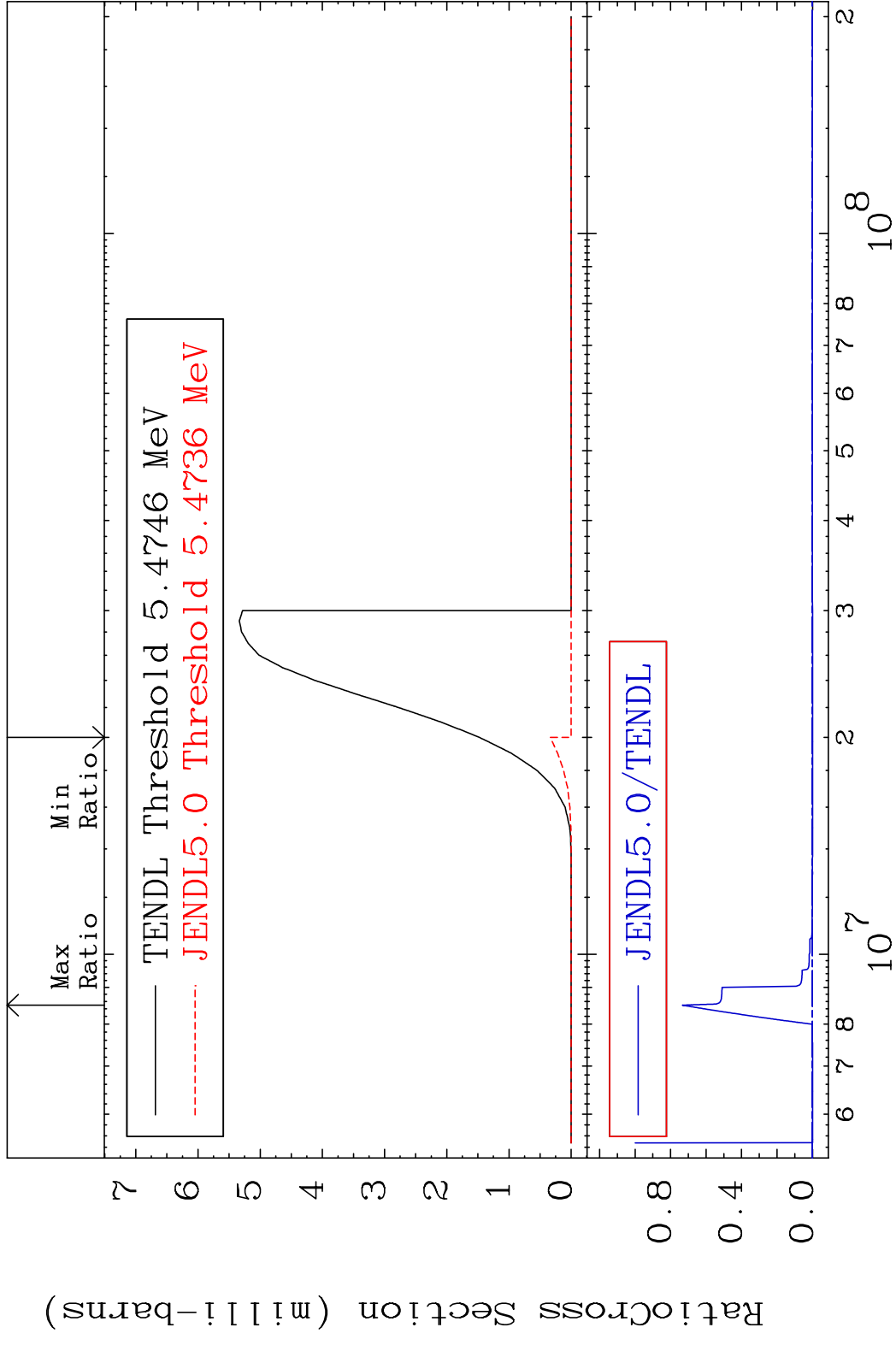
25 Incident Energy (eV) 80-Hg-201

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

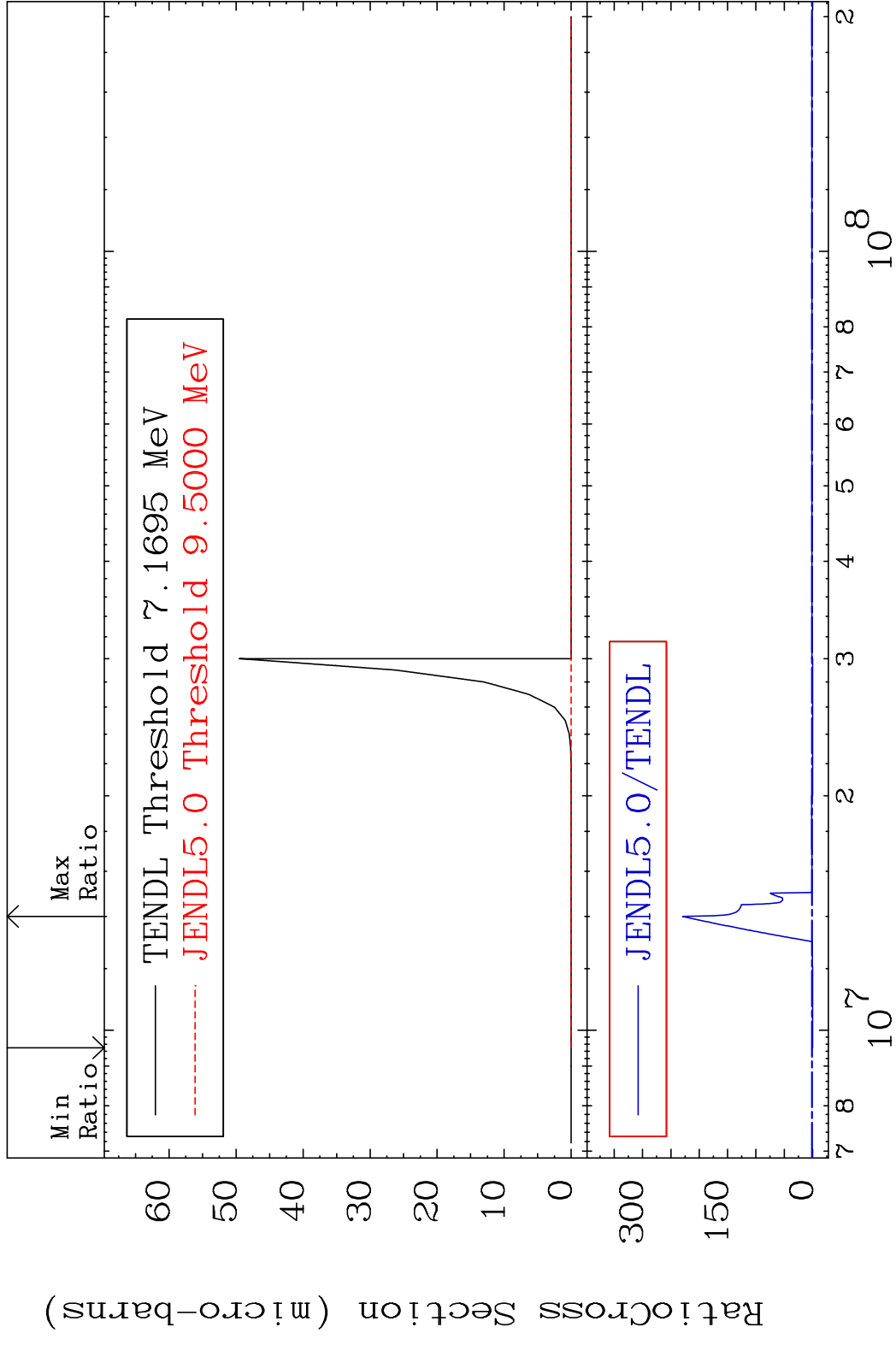


26 Incident Energy (eV) 80-Hg-201

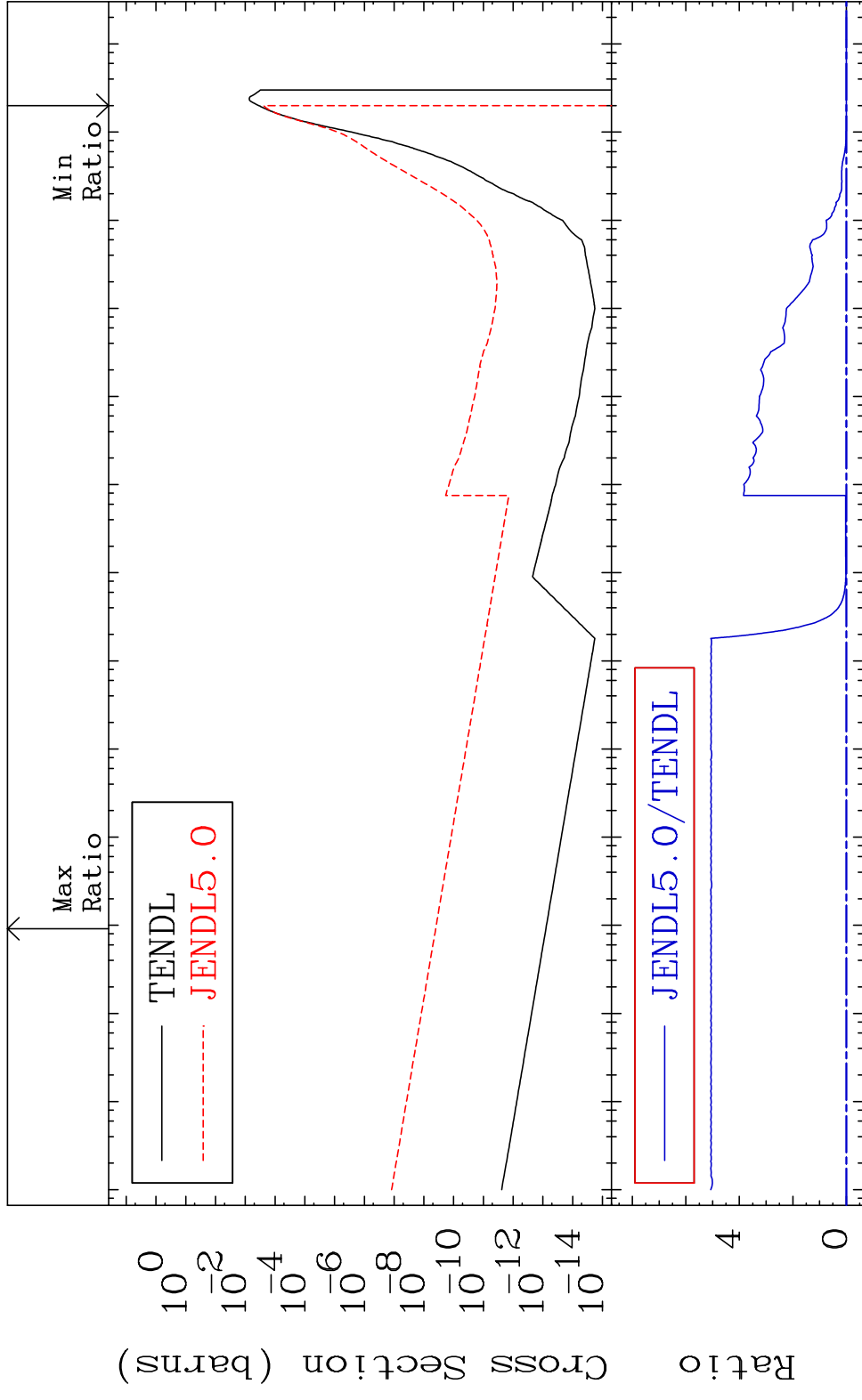
MAT 8040 (n, t) 80-Hg-201
 Cross Section -100.0 To 9999. %



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

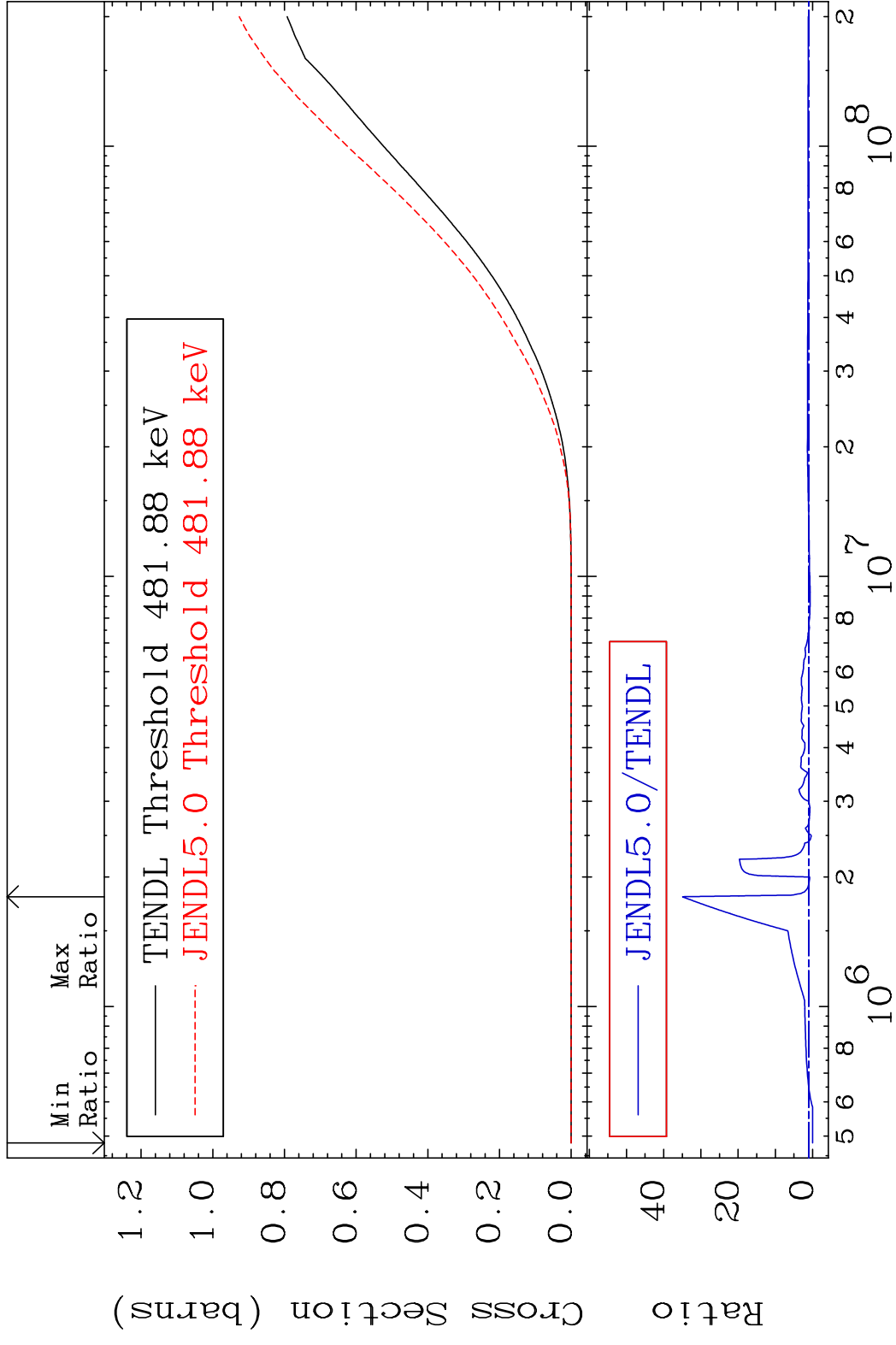


MAT 8040 (n, α) 80-Hg-201
 Cross Section -100.0 To 9999. %

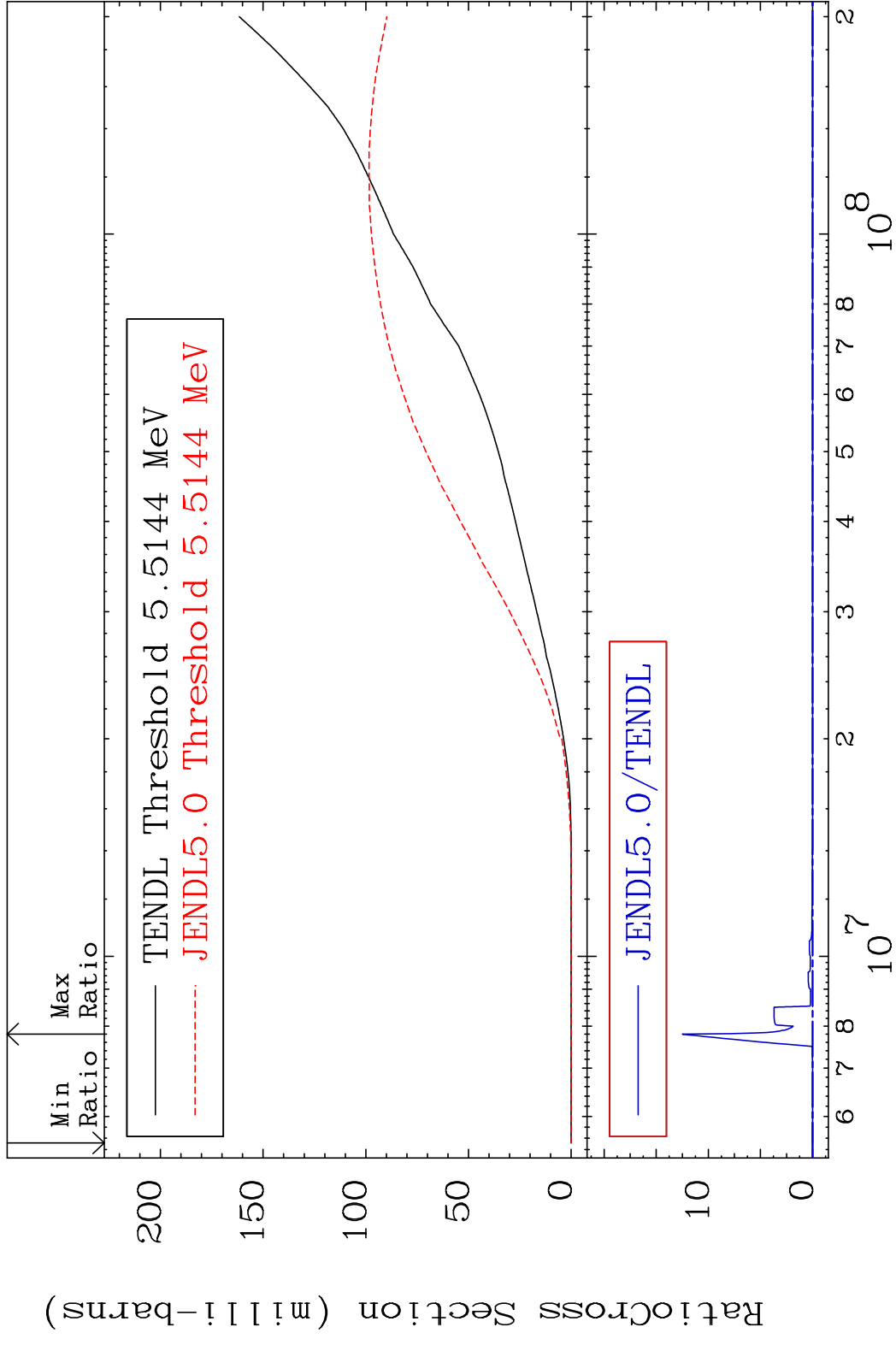


29 Incident Energy (eV) 80-Hg-201

MAT 8040 Hydrogen Production 80-Hg-201
 Cross Section -100.0 To 3399. %

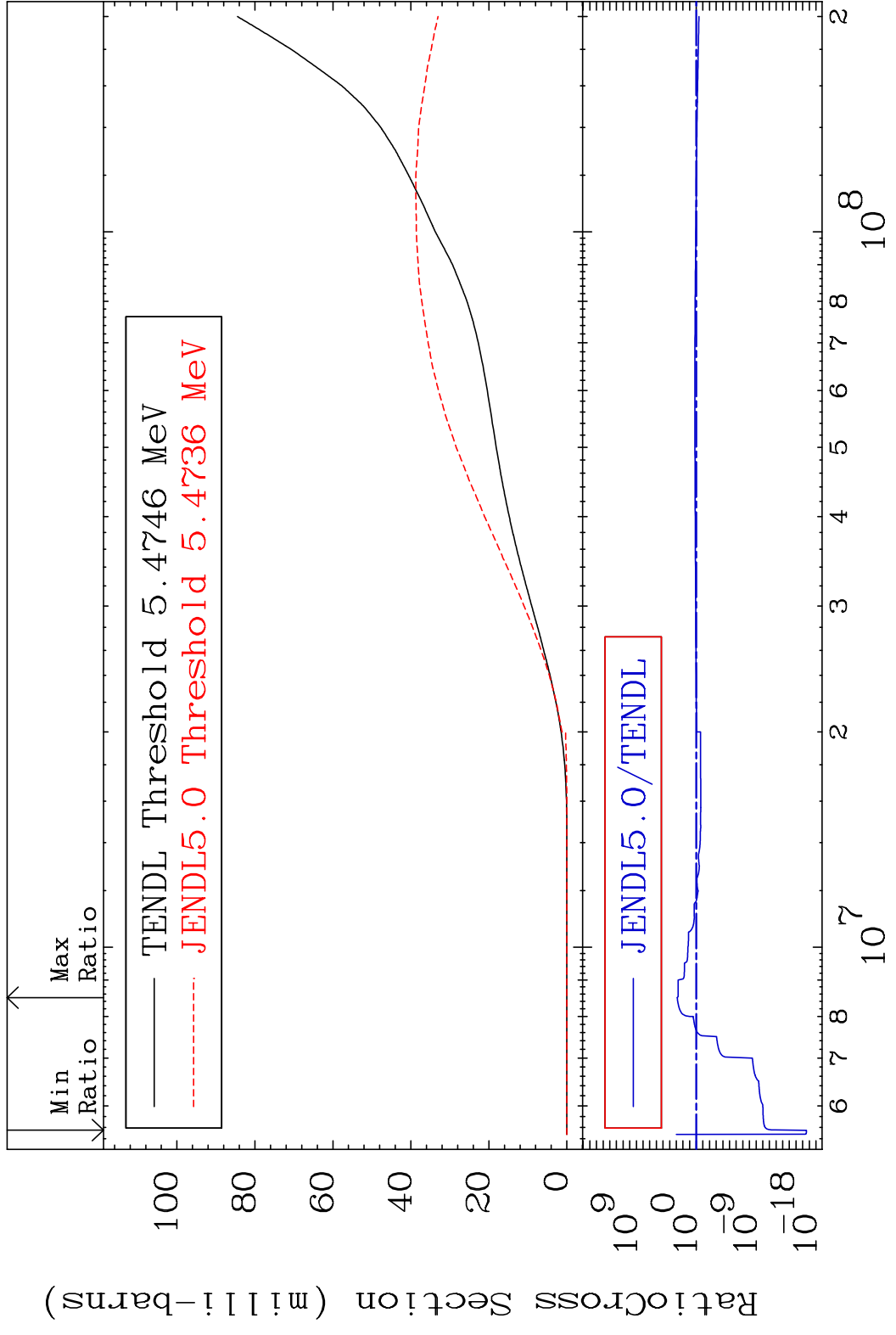


MAT 8040 Deuterium Production 80-Hg-201
 Cross Section -100.0 To 9999. %

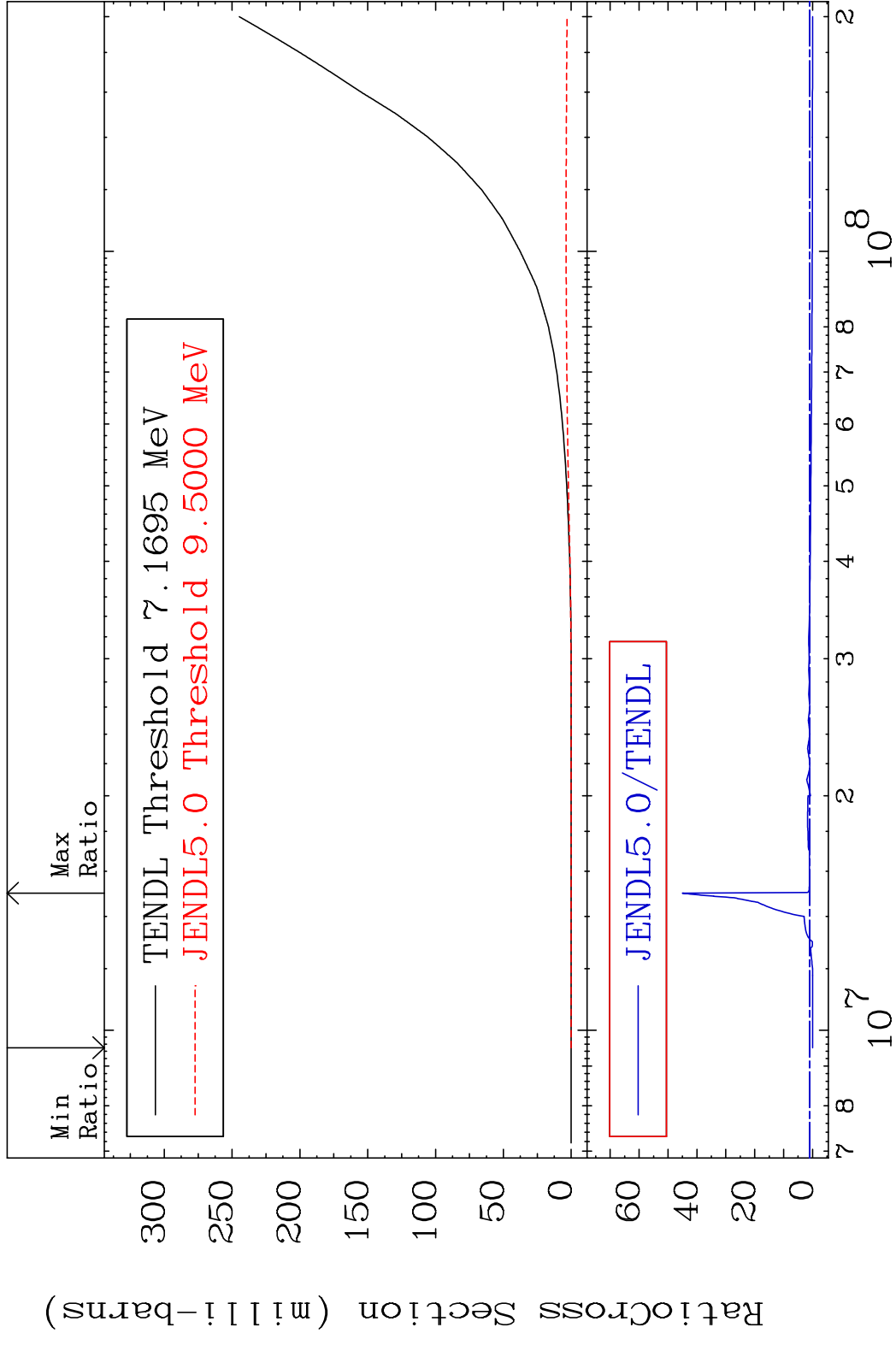


31 Incident Energy (eV) 80-Hg-201

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

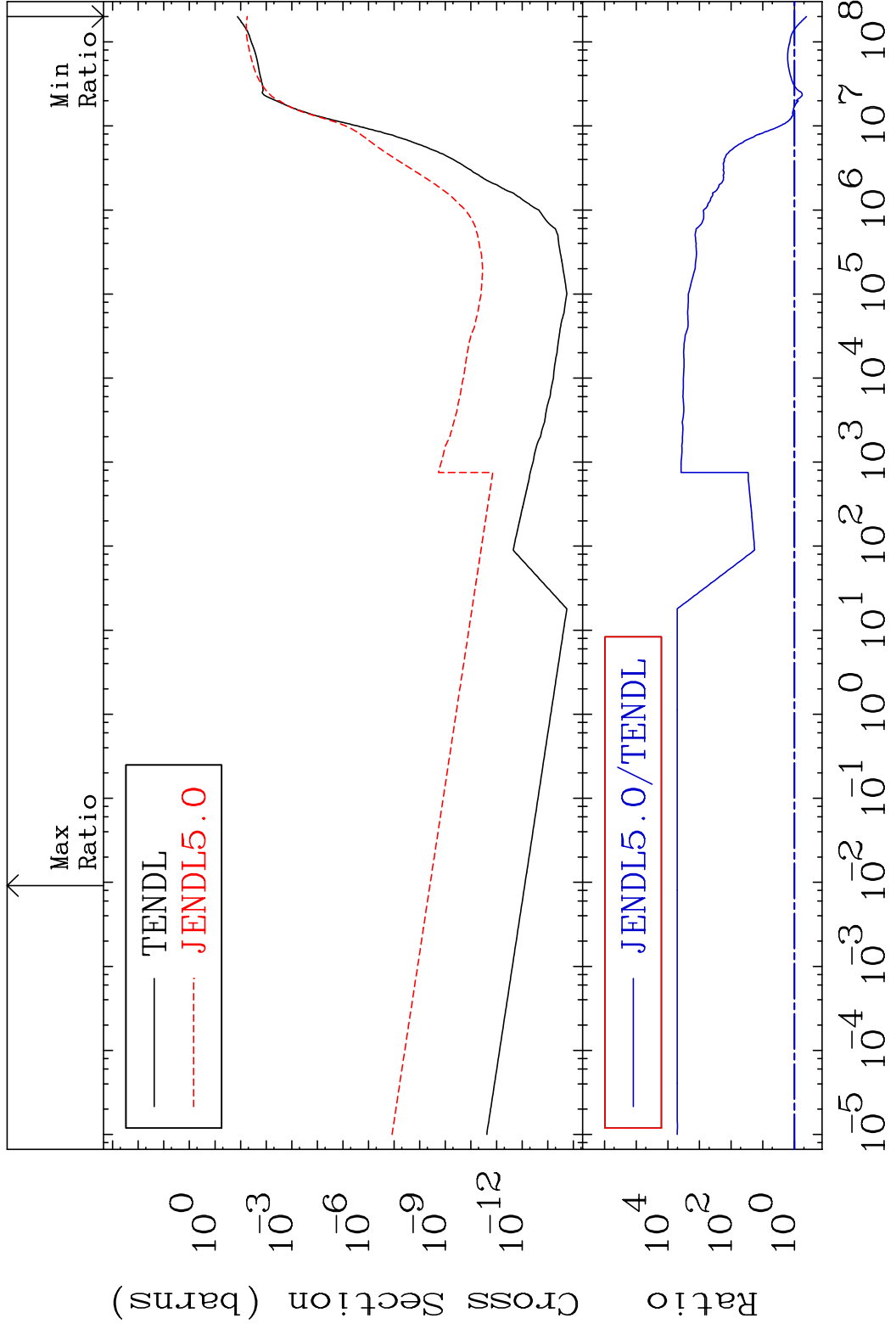


MAT 8040 He-3 Production 80-Hg-201
 Cross Section -100.0 To 4404. %

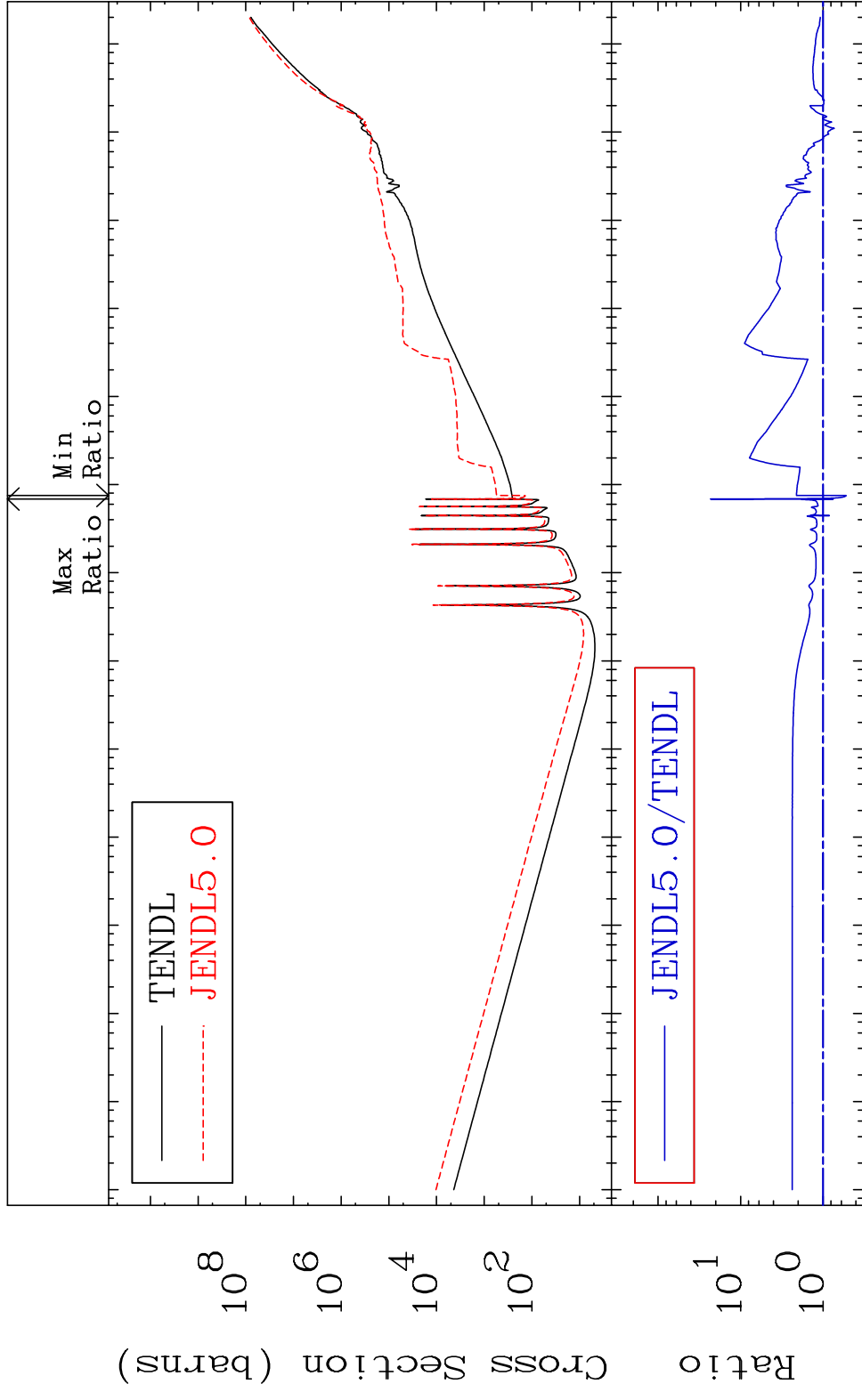


33 Incident Energy (eV) 80-Hg-201

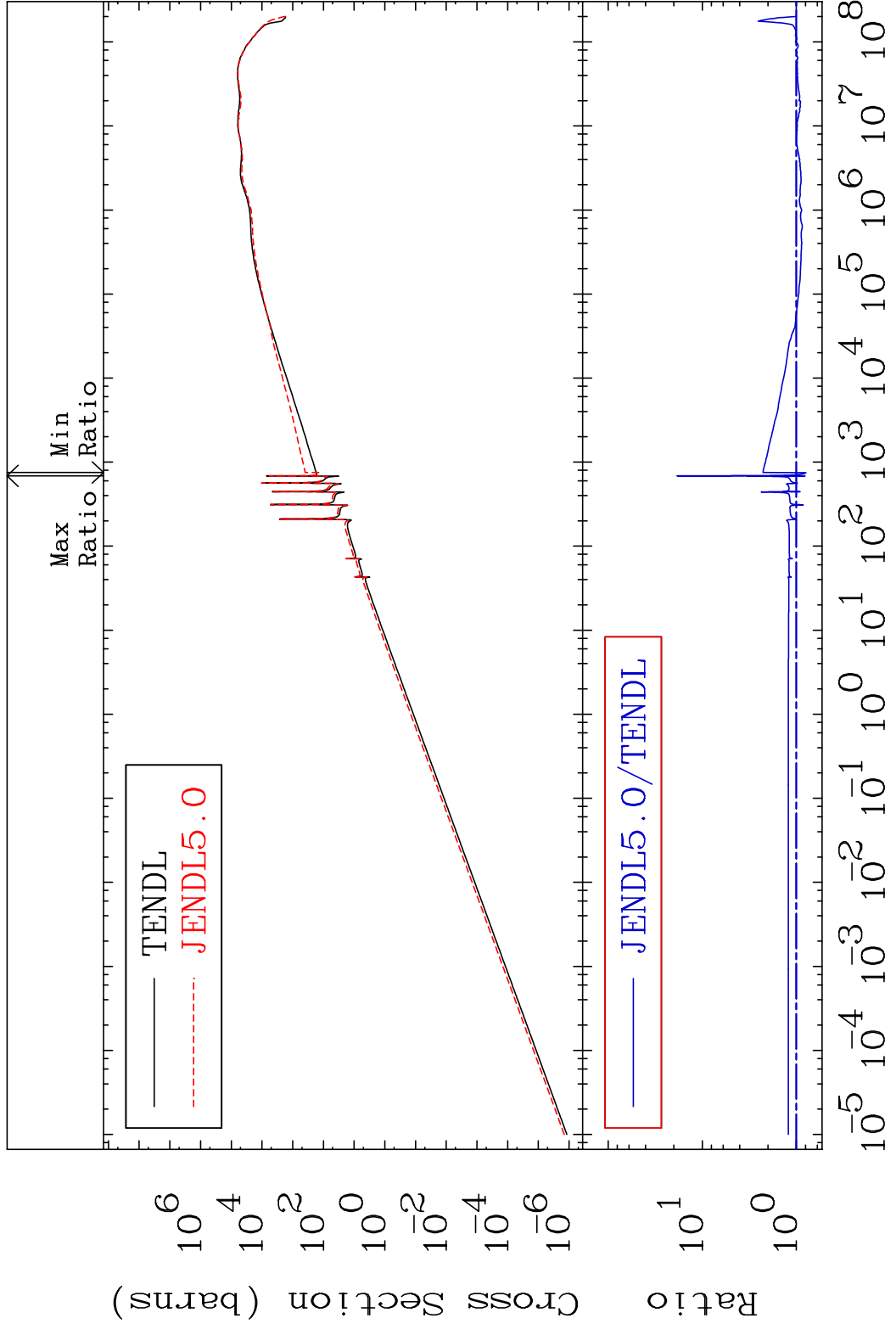
MAT 8040 He-4 Production 80-Hg-201
 Cross Section -58.18 To 9999. %



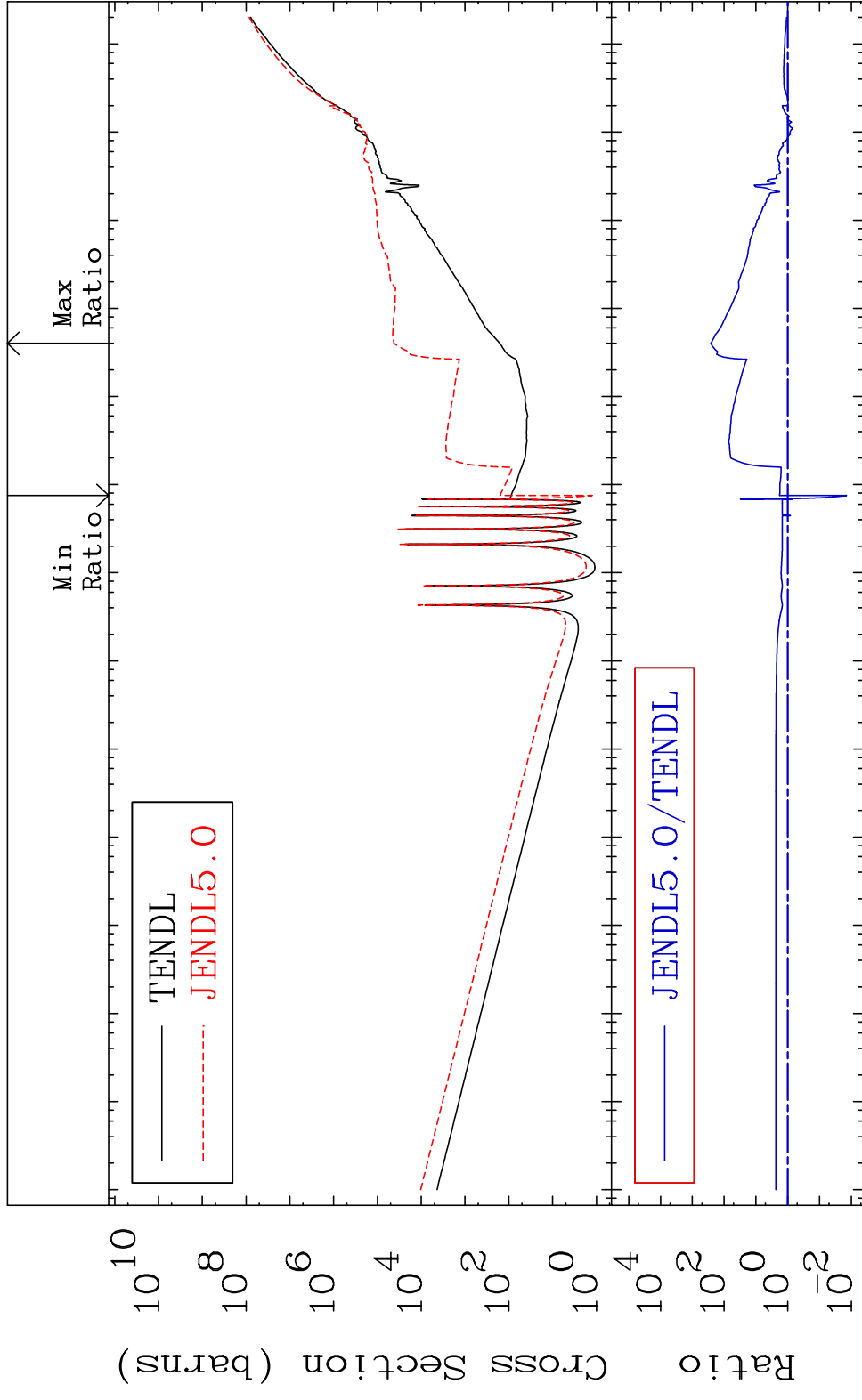
MAT 8040 Kerma total (eV-barns) 80-Hg-201
 Cross Section -47.79 To 2201. %



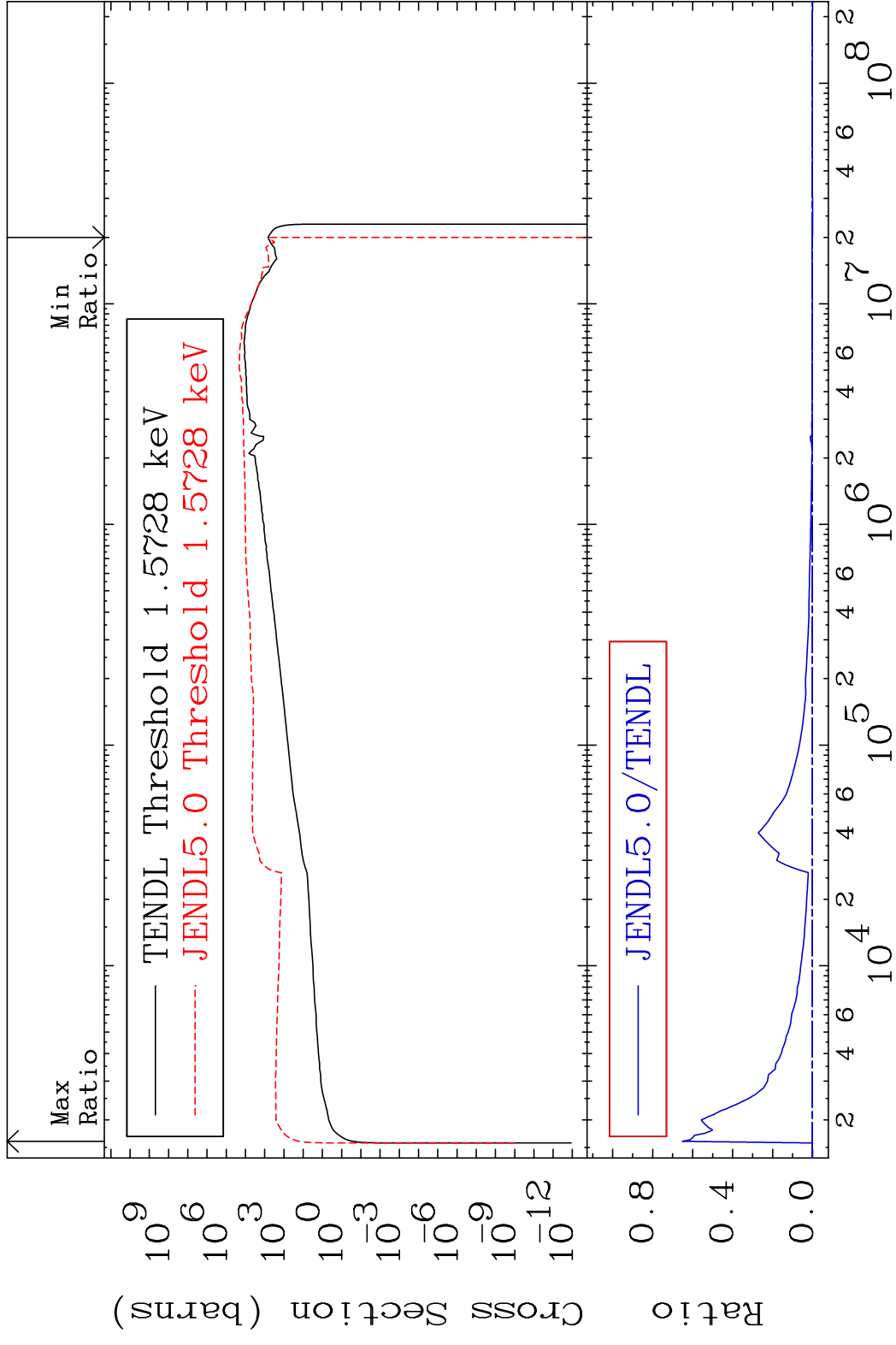
MAT 8040 Kerma elastic 80-Hg-201
 Cross Section -21.81 To 1747. %



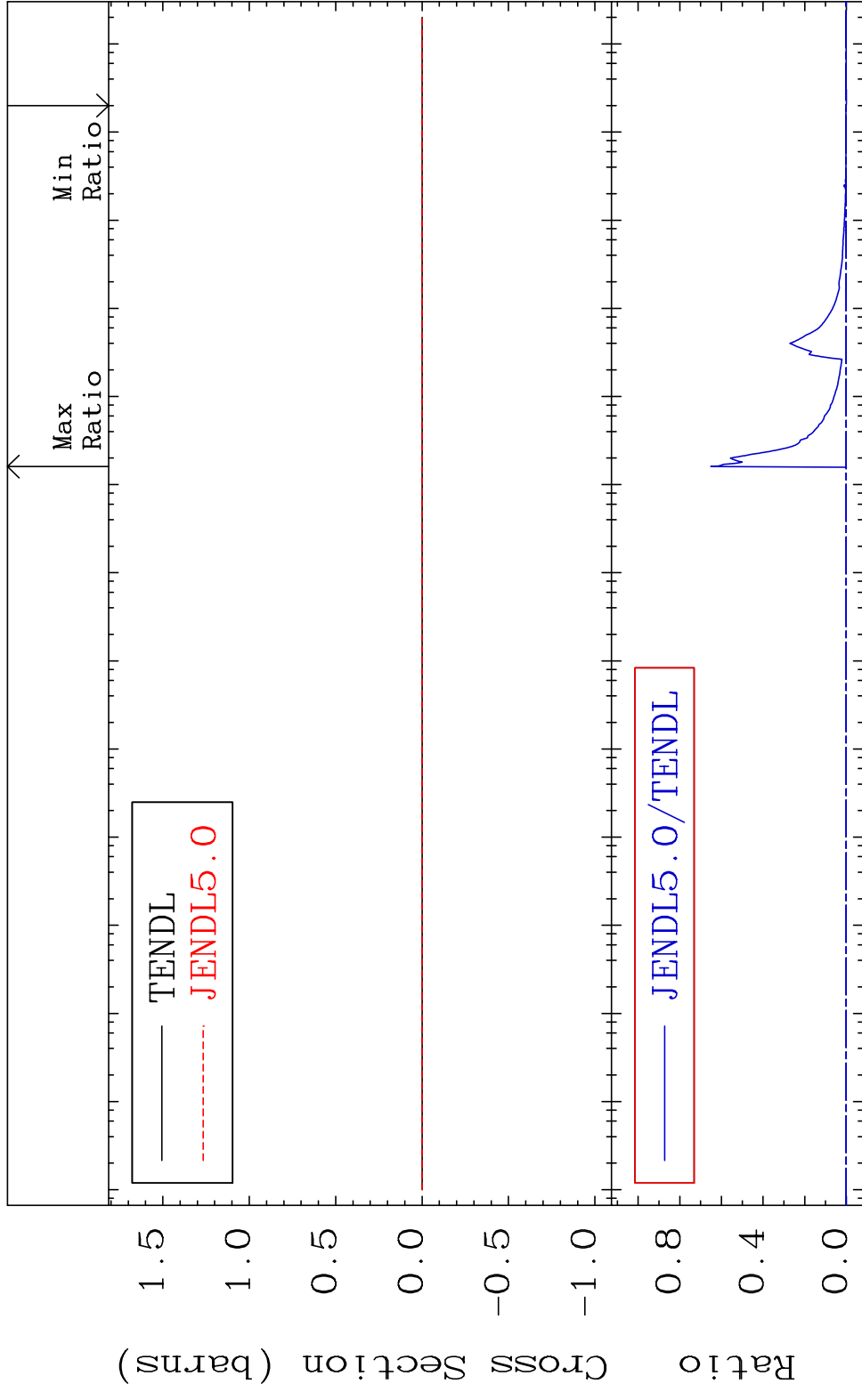
MAT 8040 Kerma non-elastic (all but mt2) 80-Hg-201
 Cross Section -98.57 To 9999. %



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. %

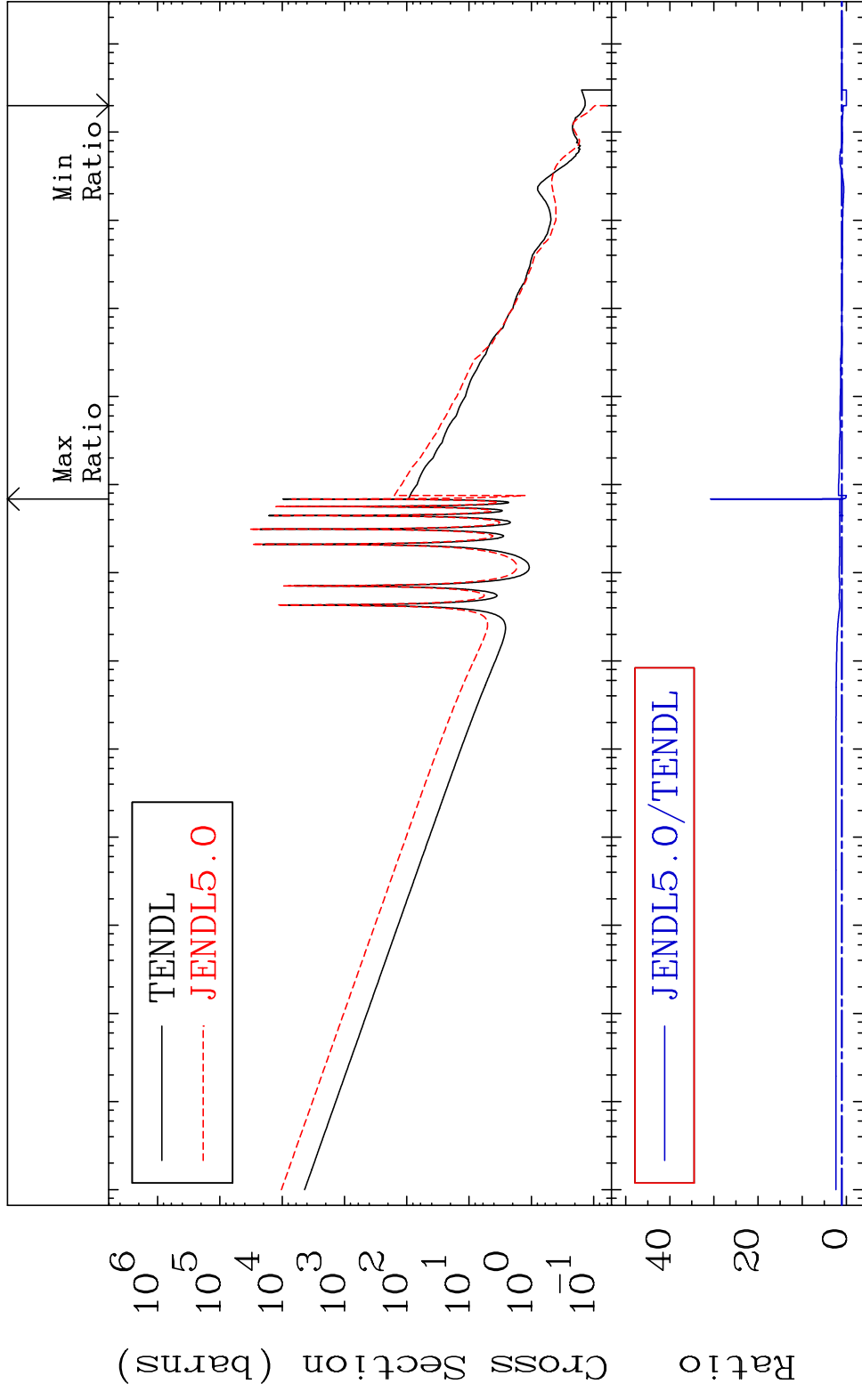


MAT 8040

Kerma capture (mt102)

80-Hg-201

Cross Section -100.0 To 2973. %

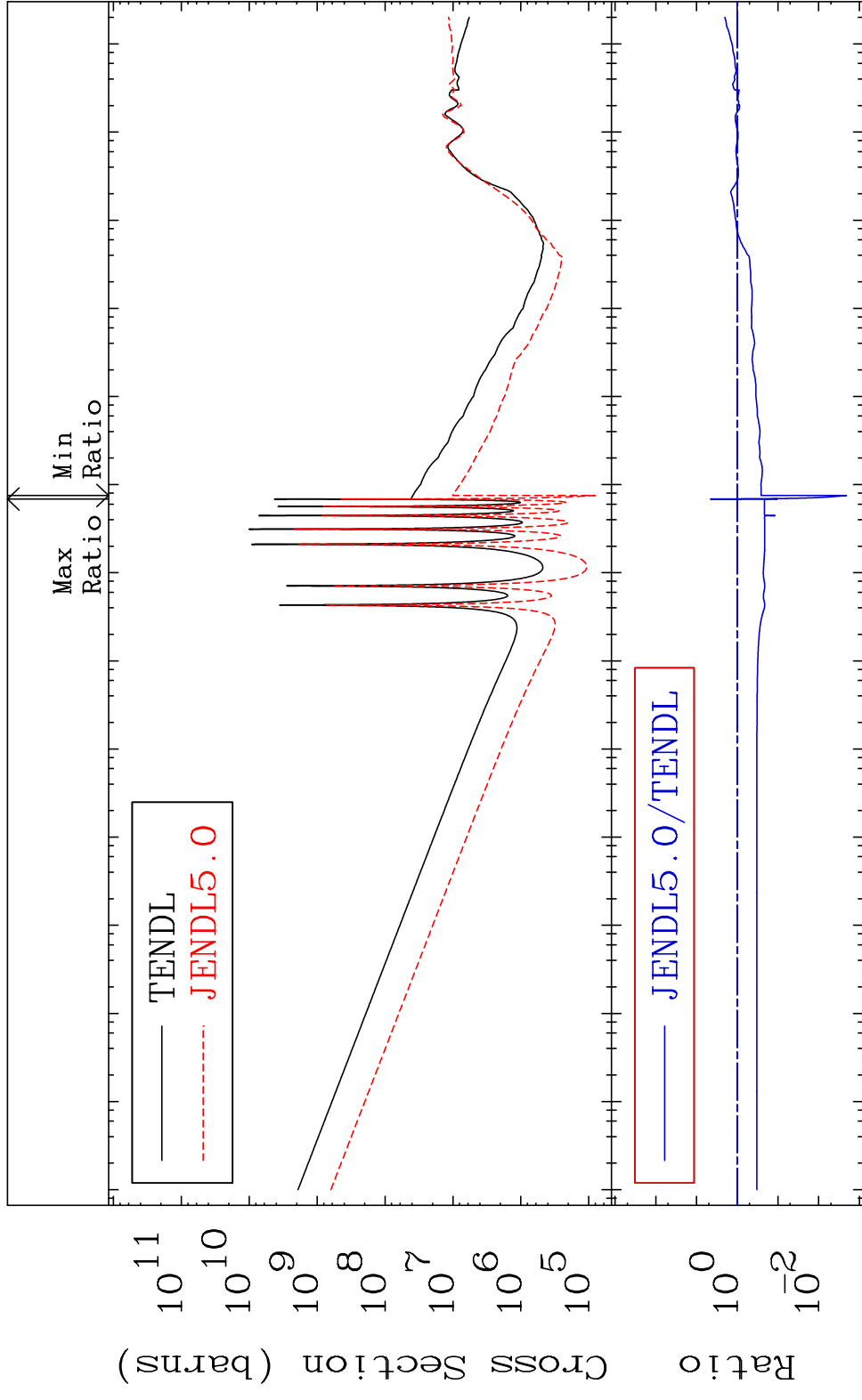


40

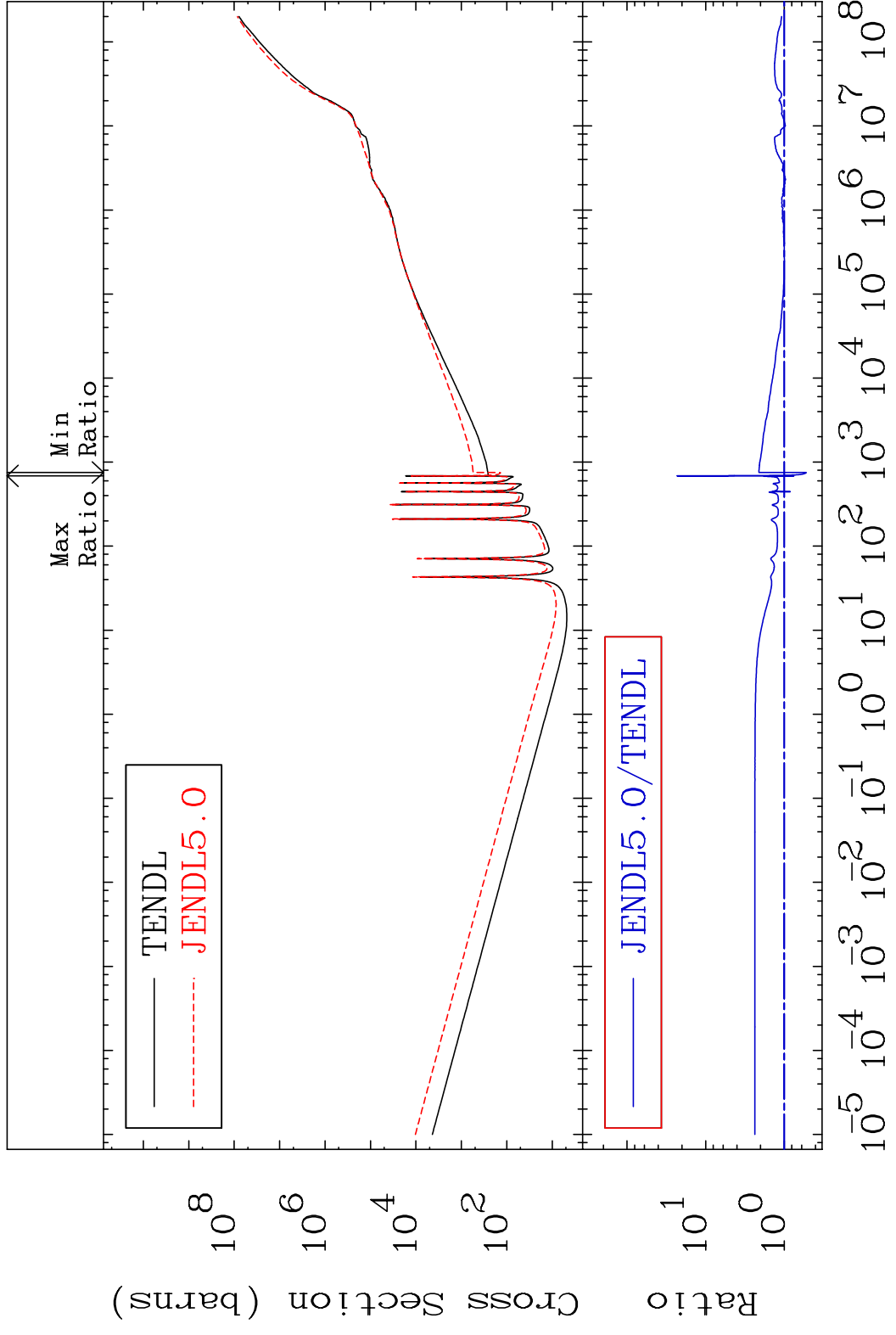
Incident Energy (eV)

80-Hg-201

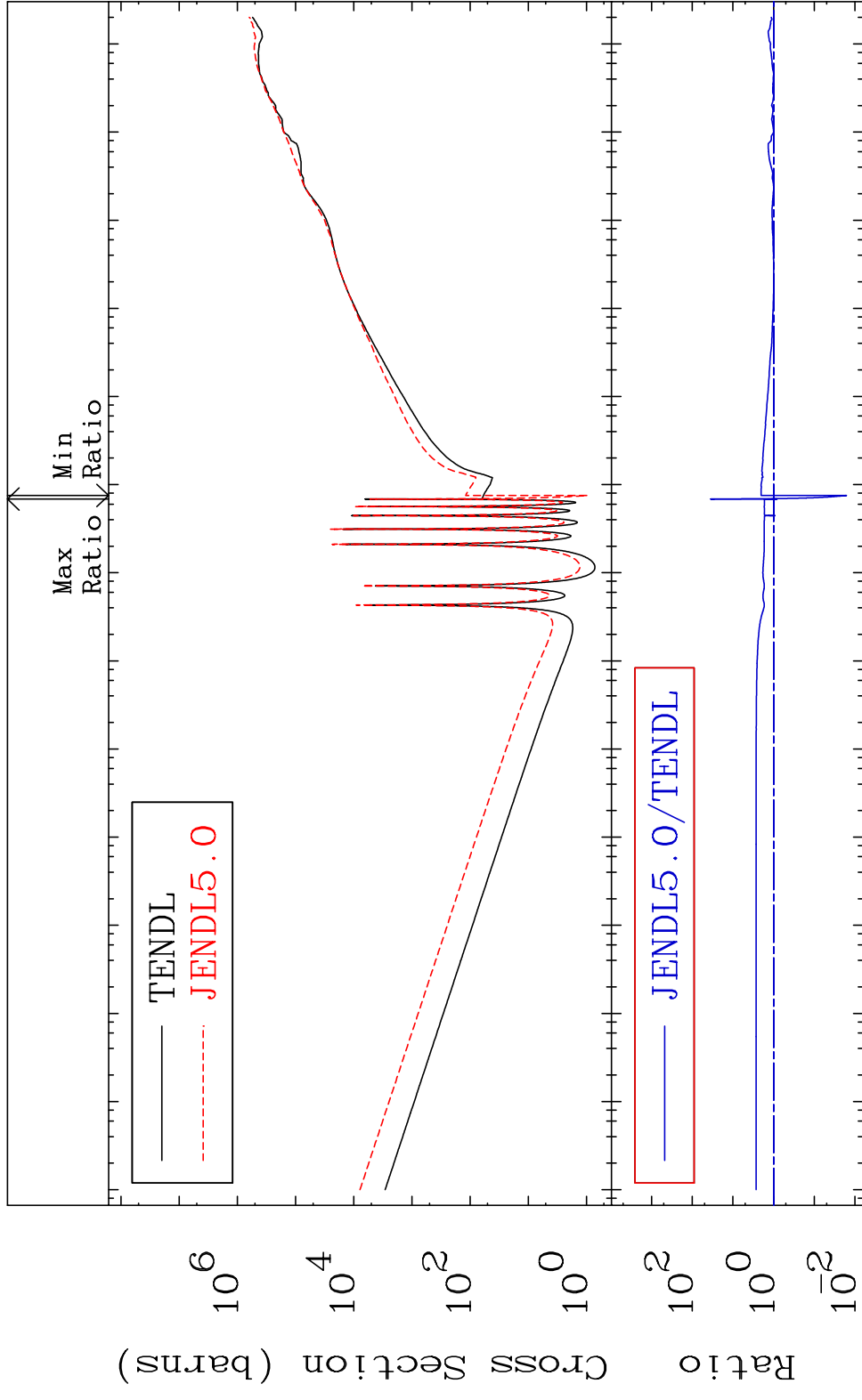
MAT 8040 Total photon (eV-barns) 80-Hg-201
 Cross Section -99.79 To 347.2 %



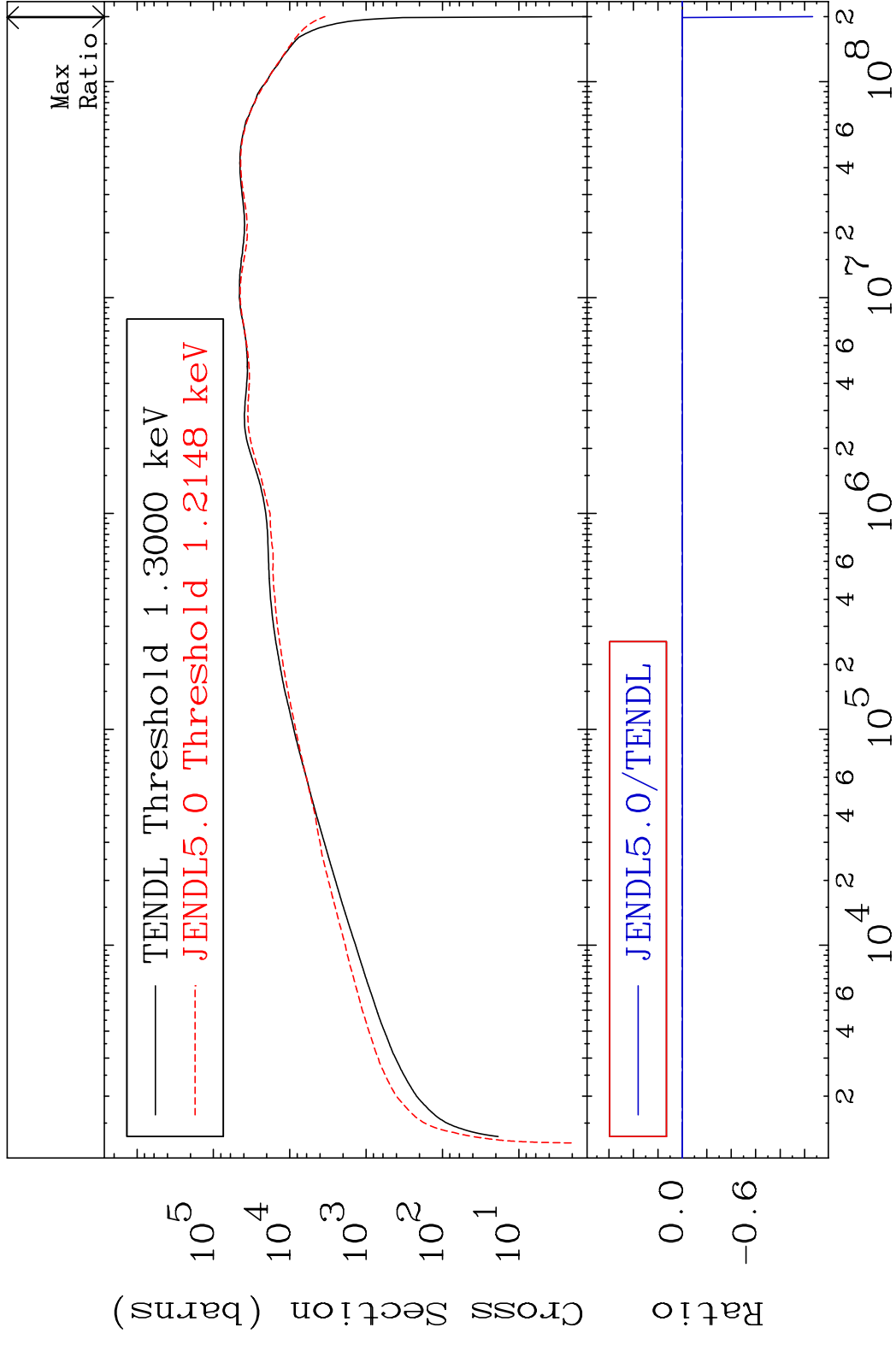
MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
 Cross Section -47.79 To 2201. %



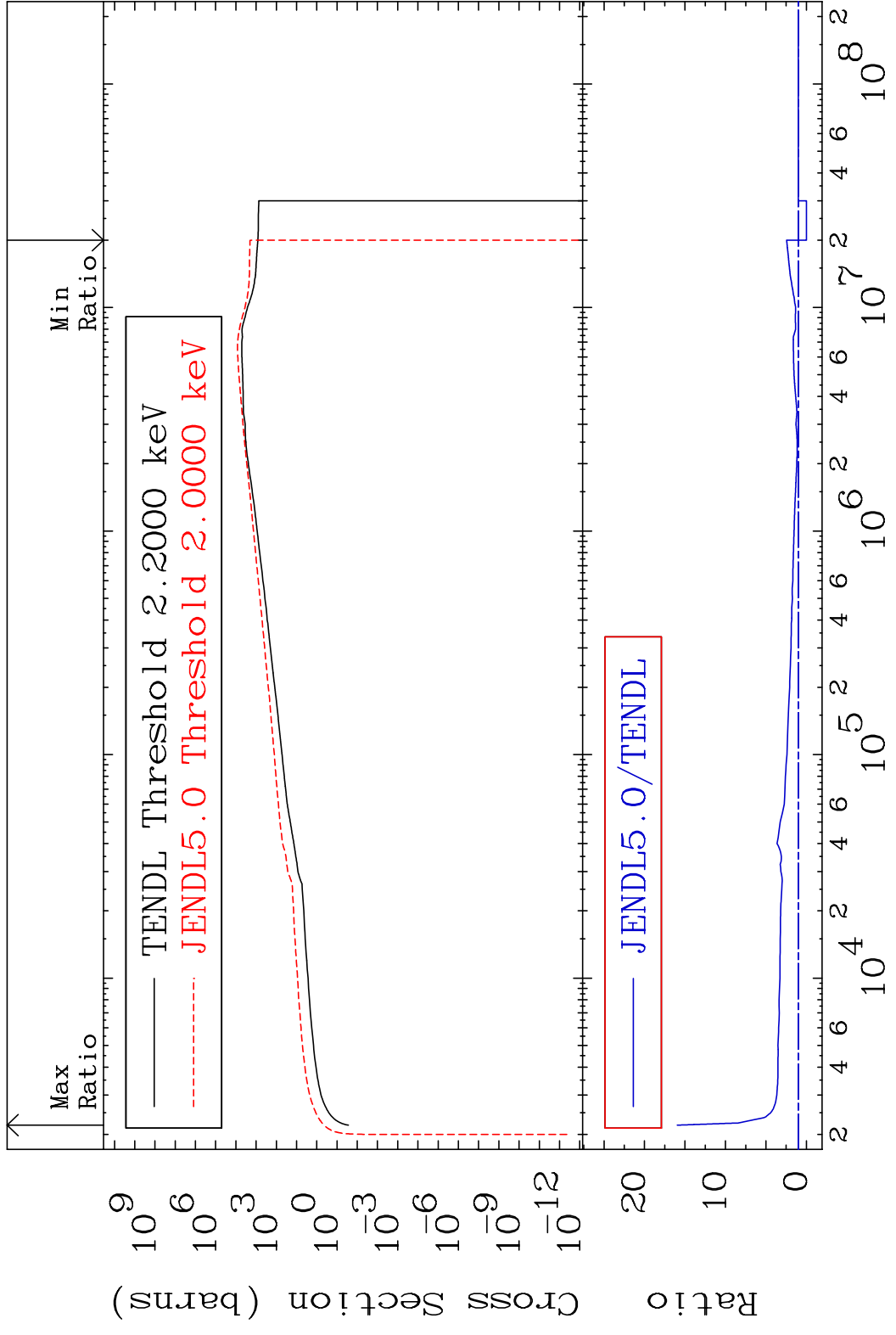
MAT 8040 Dpa total (eV-barns) 80-Hg-201
 Cross Section -98.36 To 3417. %



MAT 8040 Dpa elastic (mt2) 80-Hg-201
 Cross Section -9999. To 1037. %

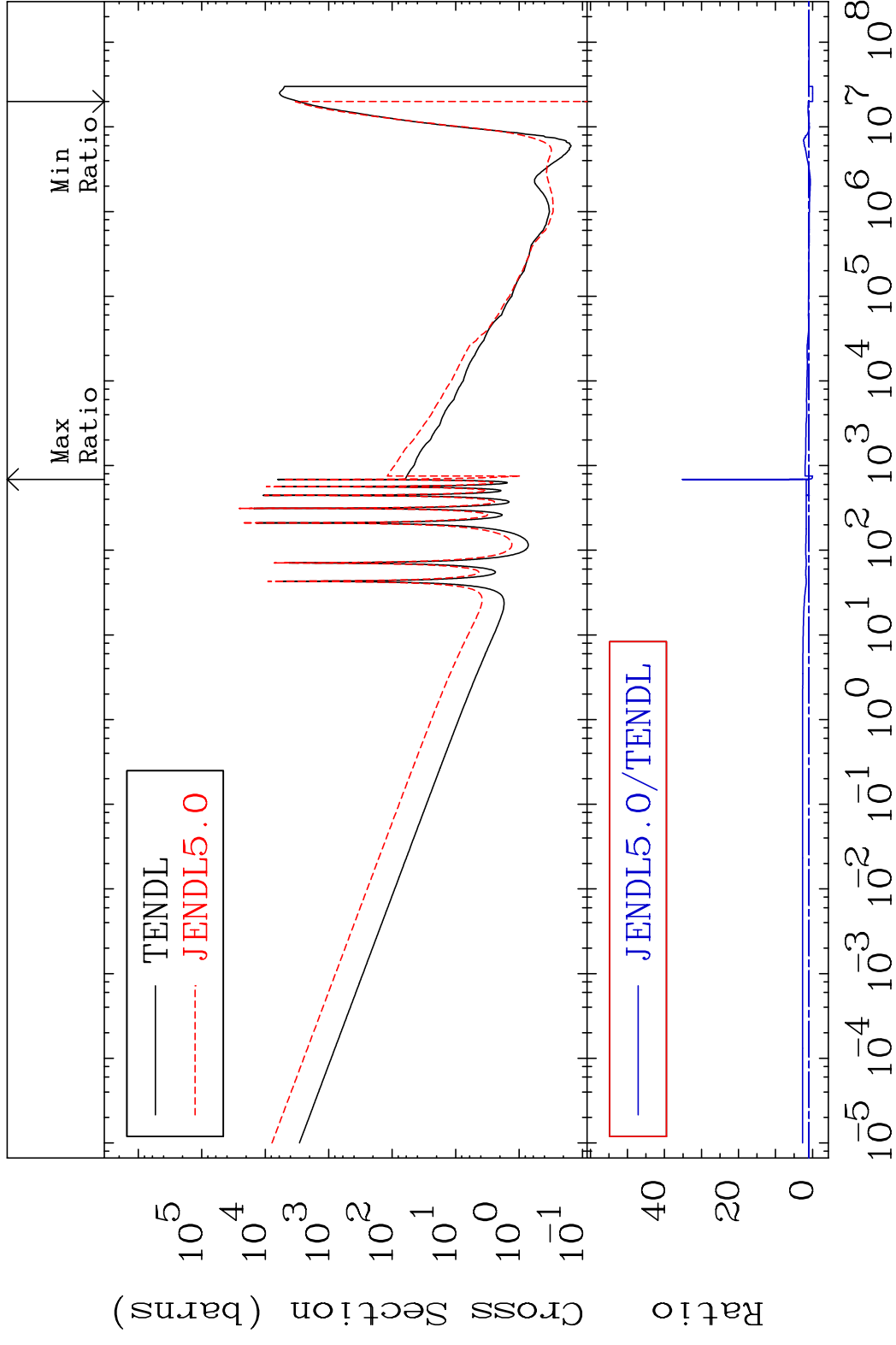


MAT 8040 Dpa inelastic (mt51-91) 80-Hg-201
 Cross Section -100.0 To 1496. %



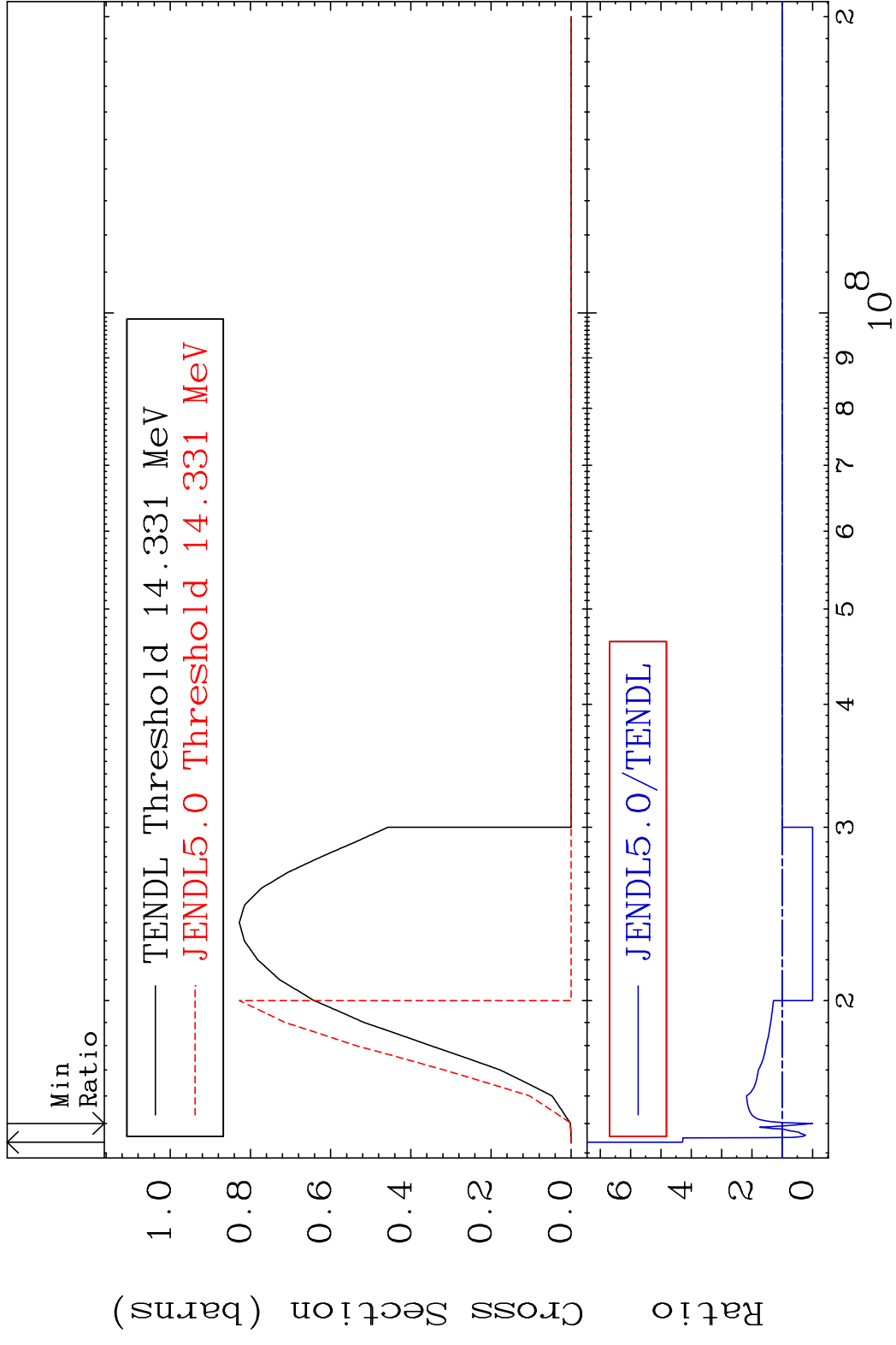
45 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
 Cross Section -100.0 To 3417. %

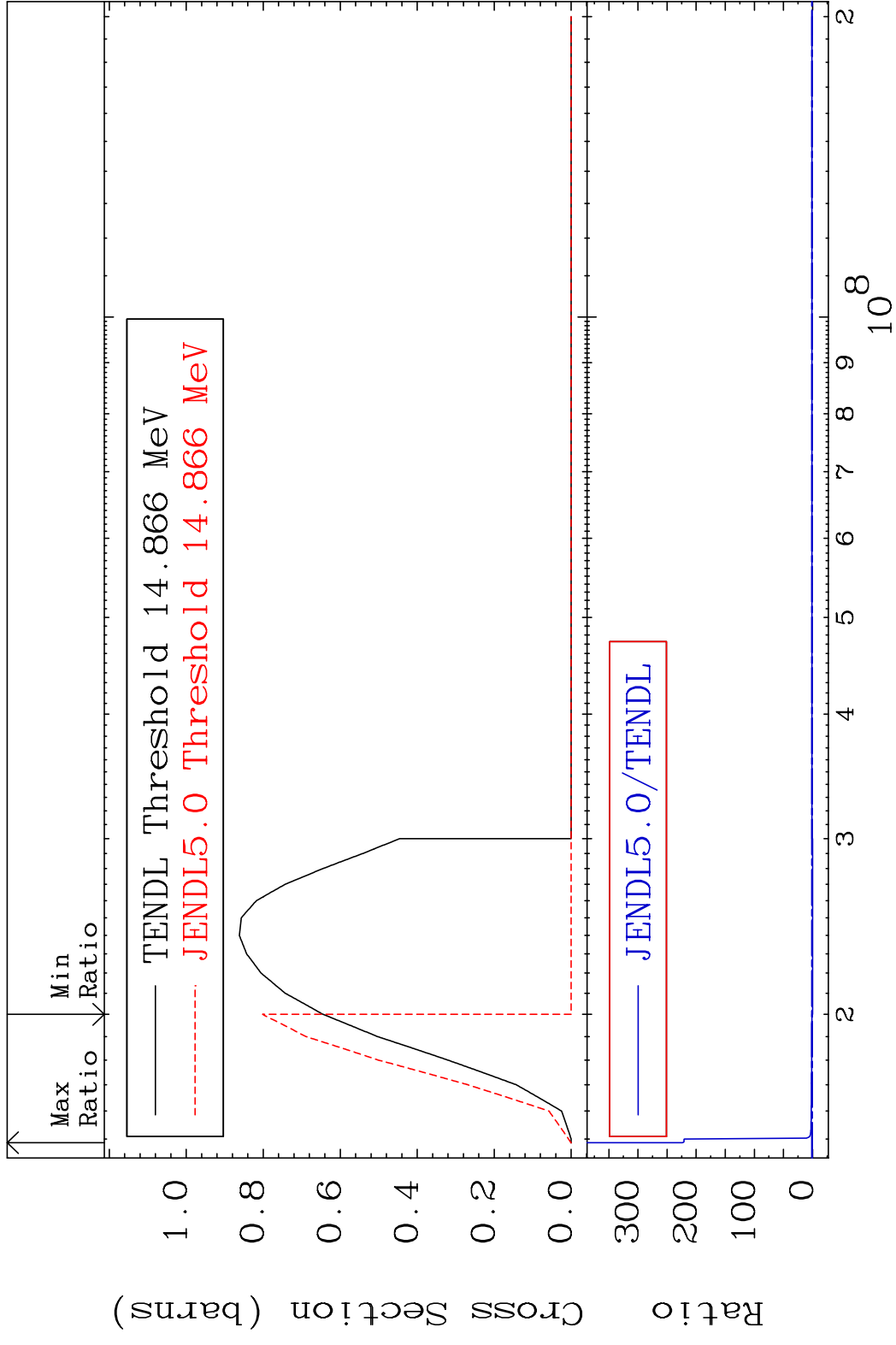


46 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,3n):80-Hg-199g 80-Hg-201
 Radionuclide Production Cross Section 180.0 dth 329.3 %

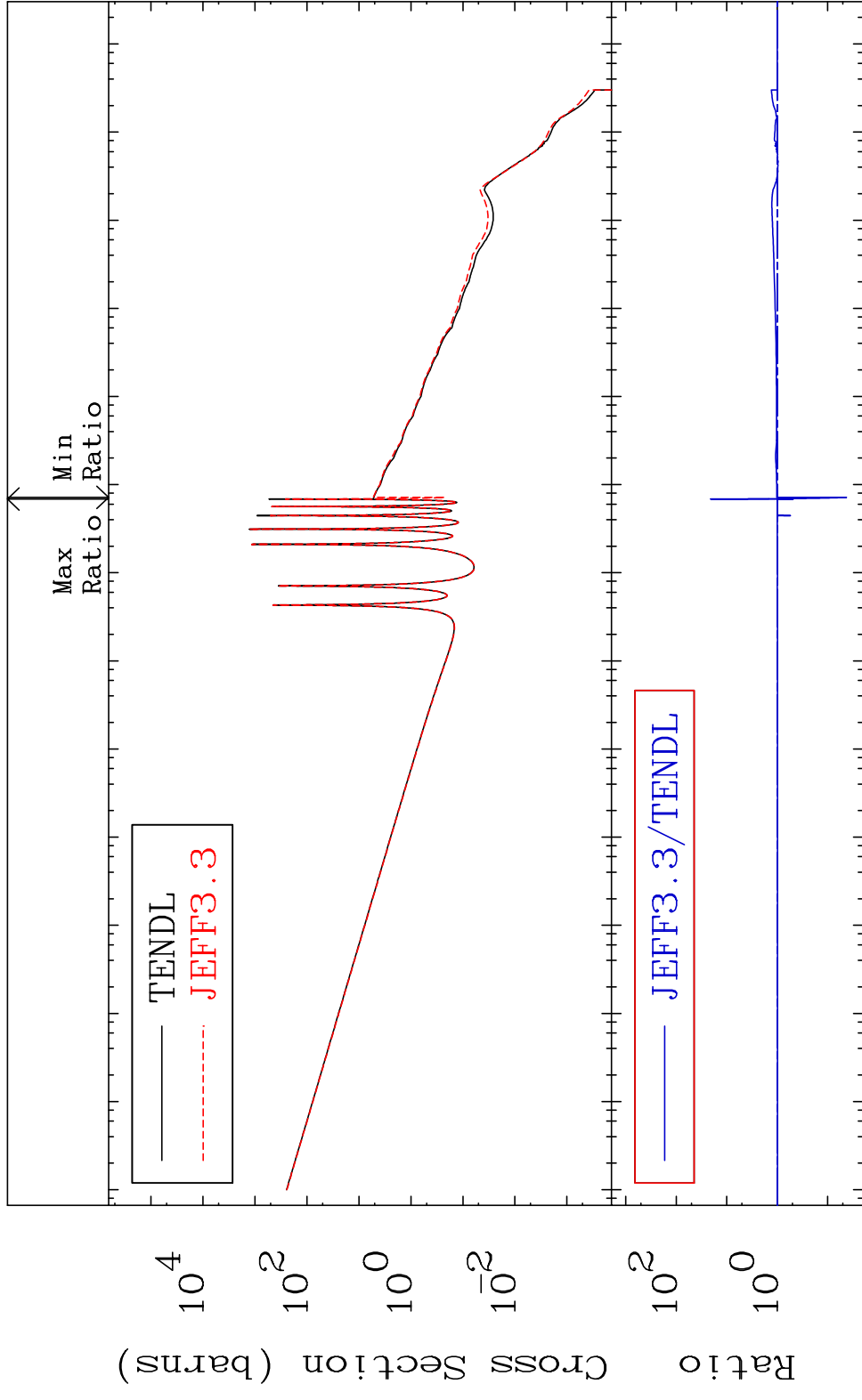


MAT 8040 (n, 3n):80-Hg-199m7 80-Hg-201
 Radionuclide Production Cross Section Ratio 9999. %



MAT 8040

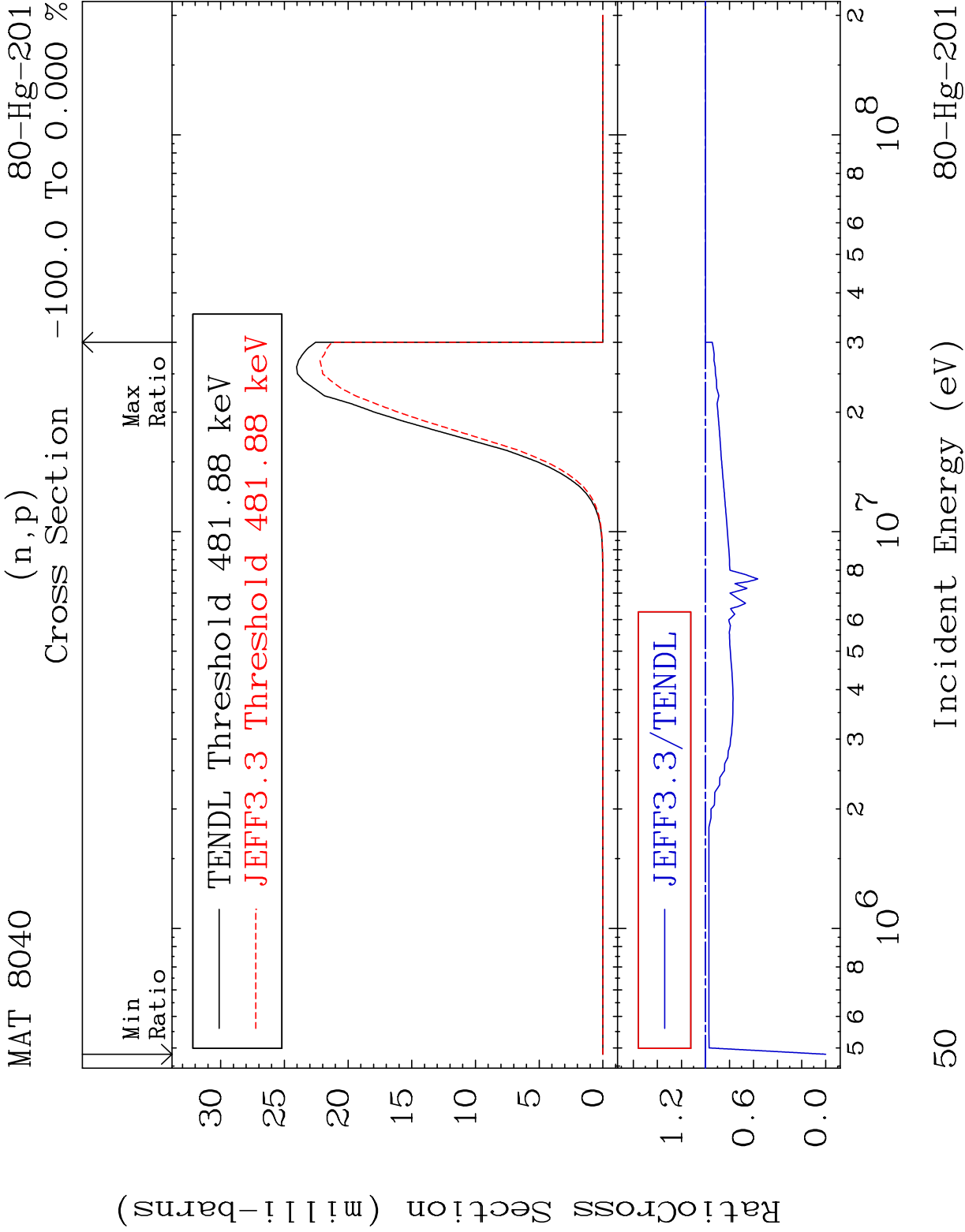
(n, γ)
Cross Section -95.73 To 1976. %
80-Hg-201

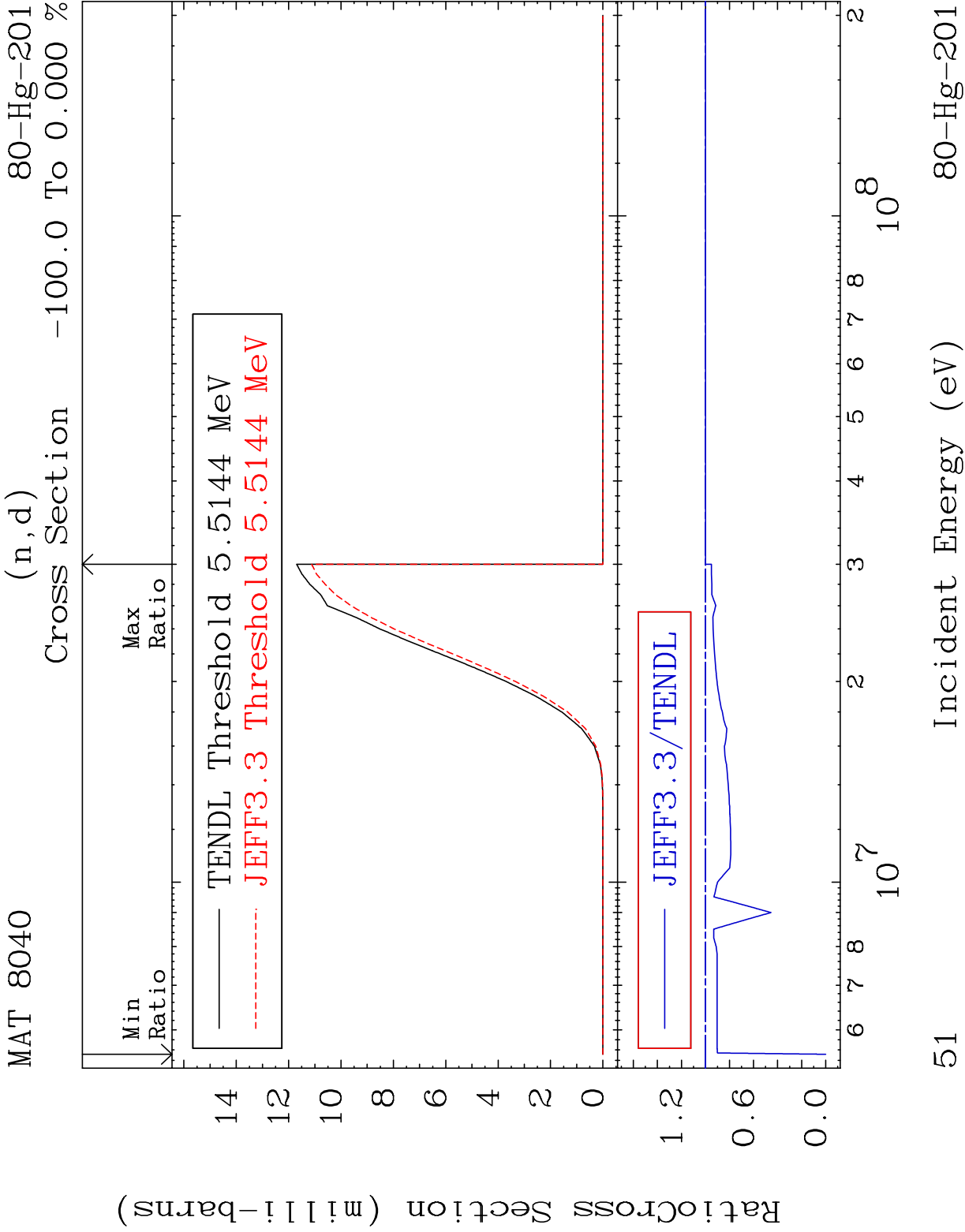


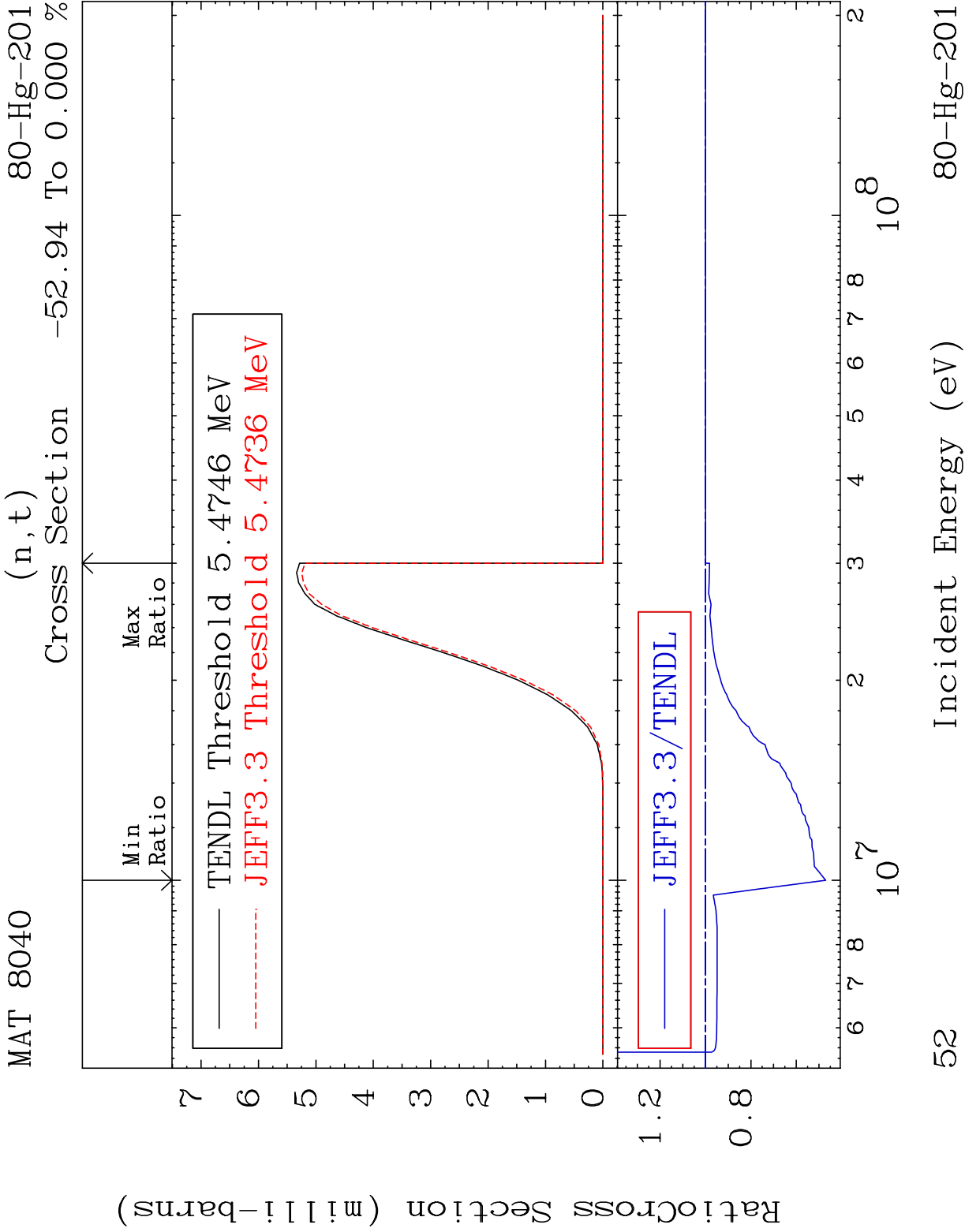
49

Incident Energy (eV)

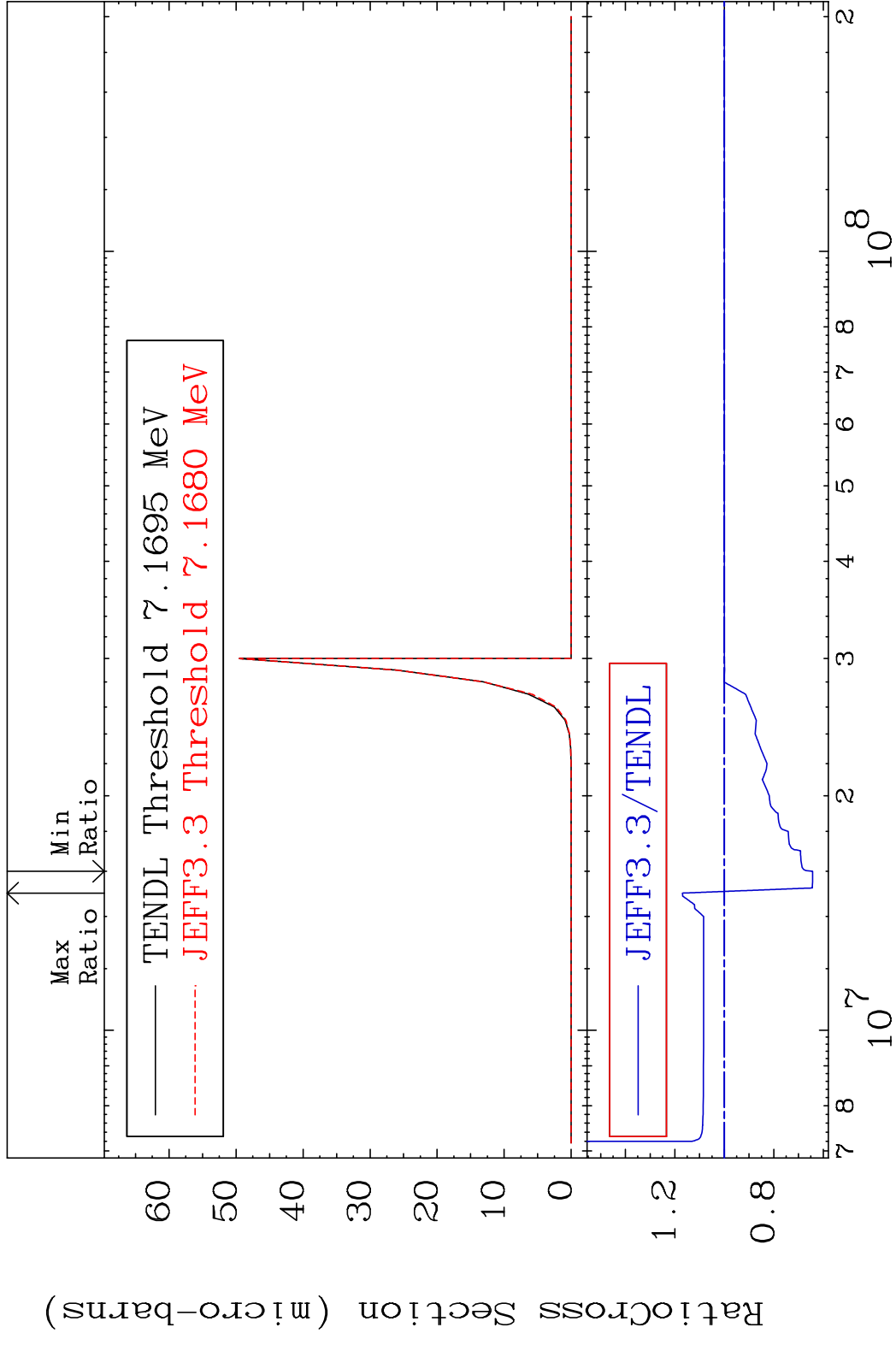
80-Hg-201







MAT 8040 (n, He-3) 80-Hg-201
 Cross Section -35.67 To 16.97 %

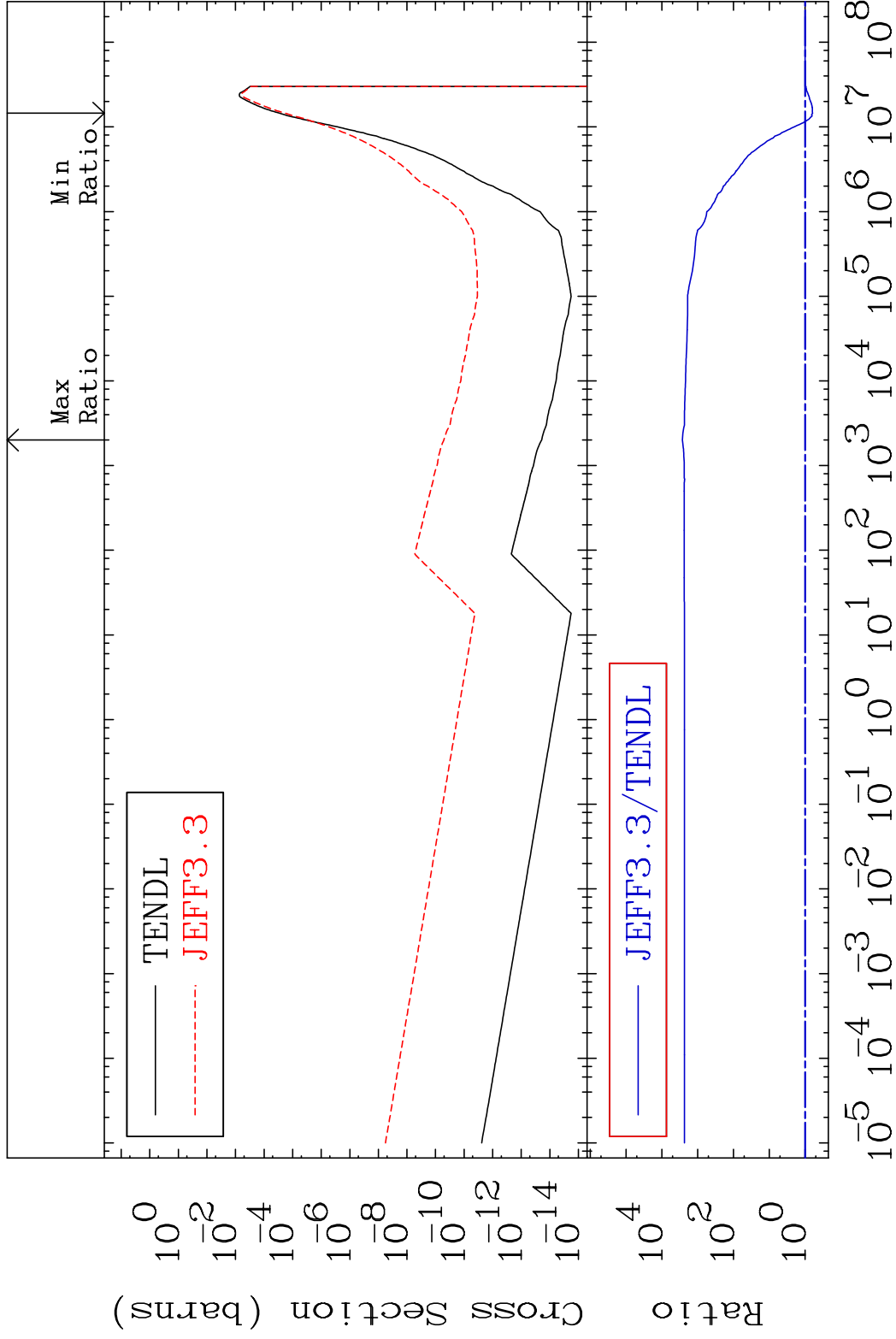


MAT 8040

(n, α)

80-Hg-201

Cross Section -38.49 To 9999. %

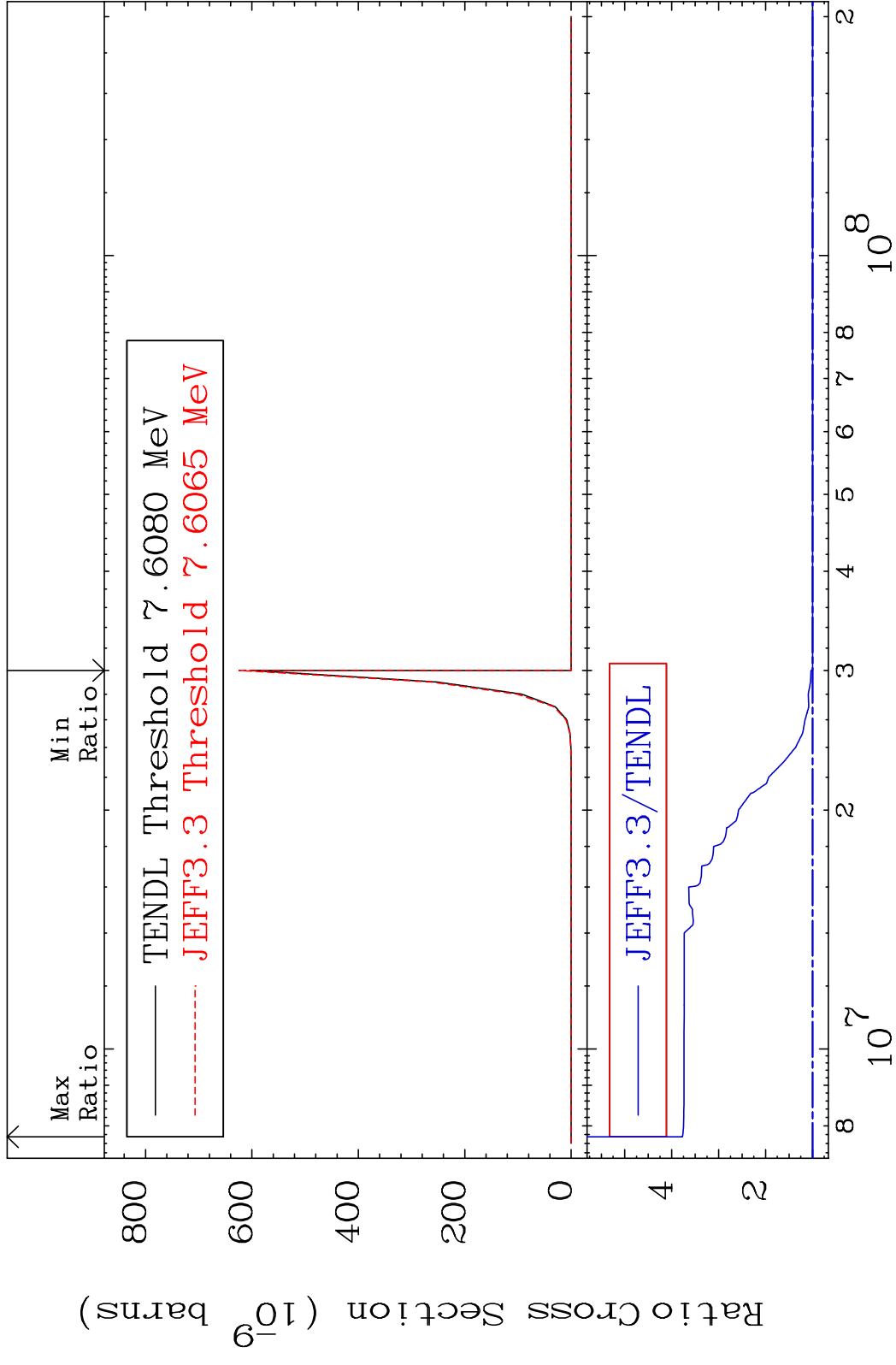


54

Incident Energy (eV)

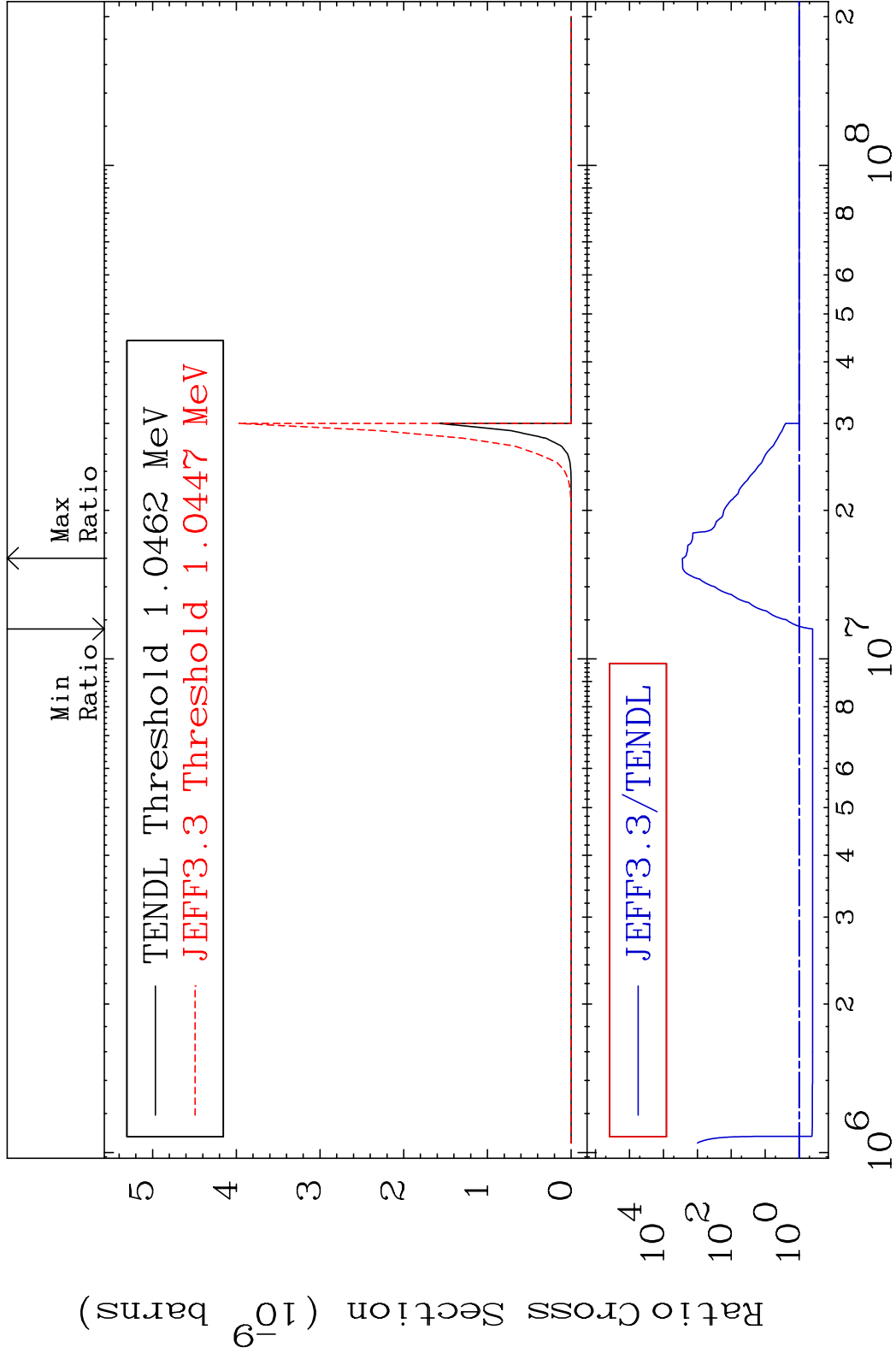
80-Hg-201

MAT 8040 (n,2p) 80-Hg-201
 Cross Section 0.000 To 277.4 %



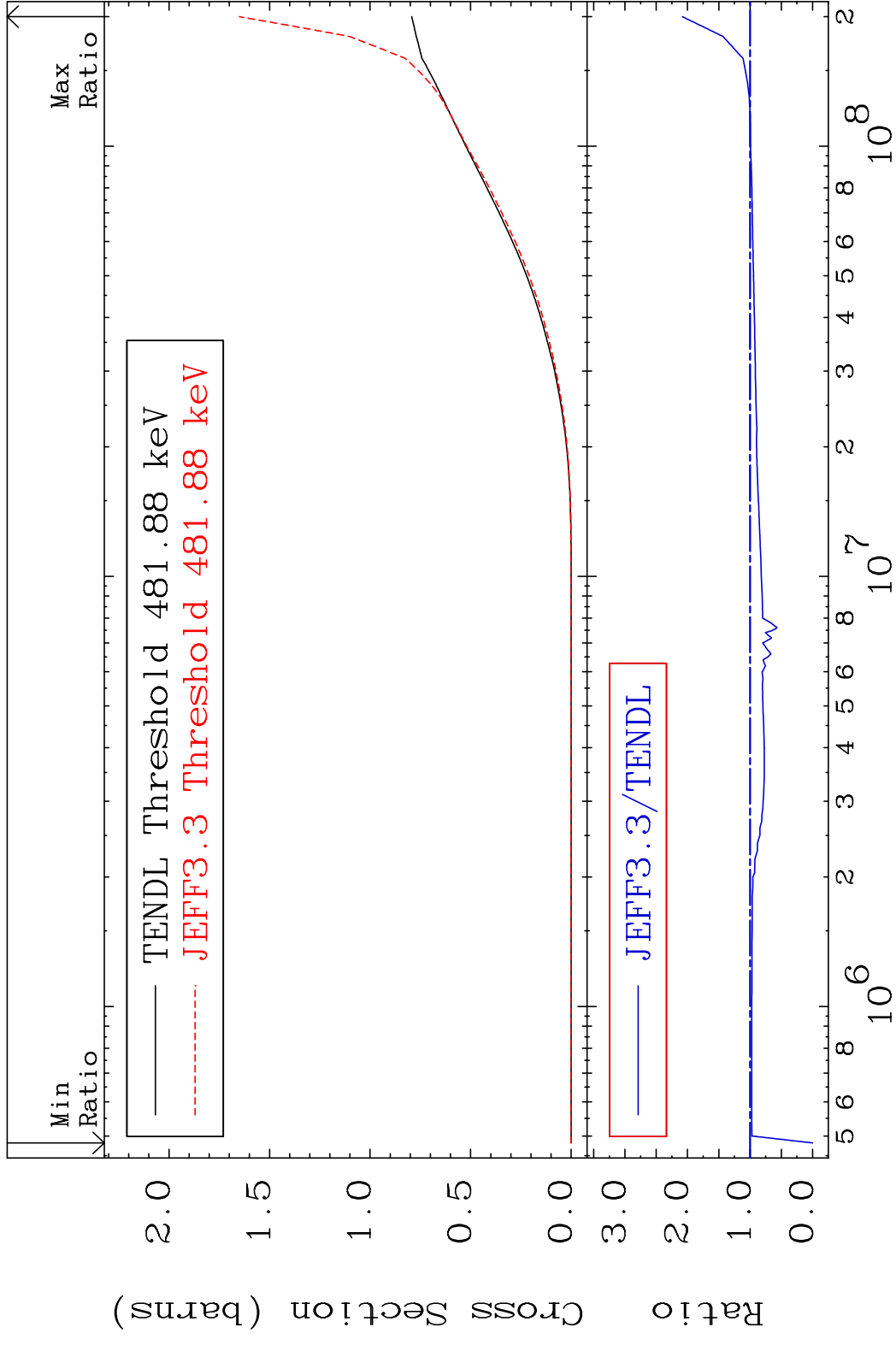
55 80-Hg-201

MAT 8040 (n,p) α 80-Hg-201
 Cross Section -59.83 To 9999. %

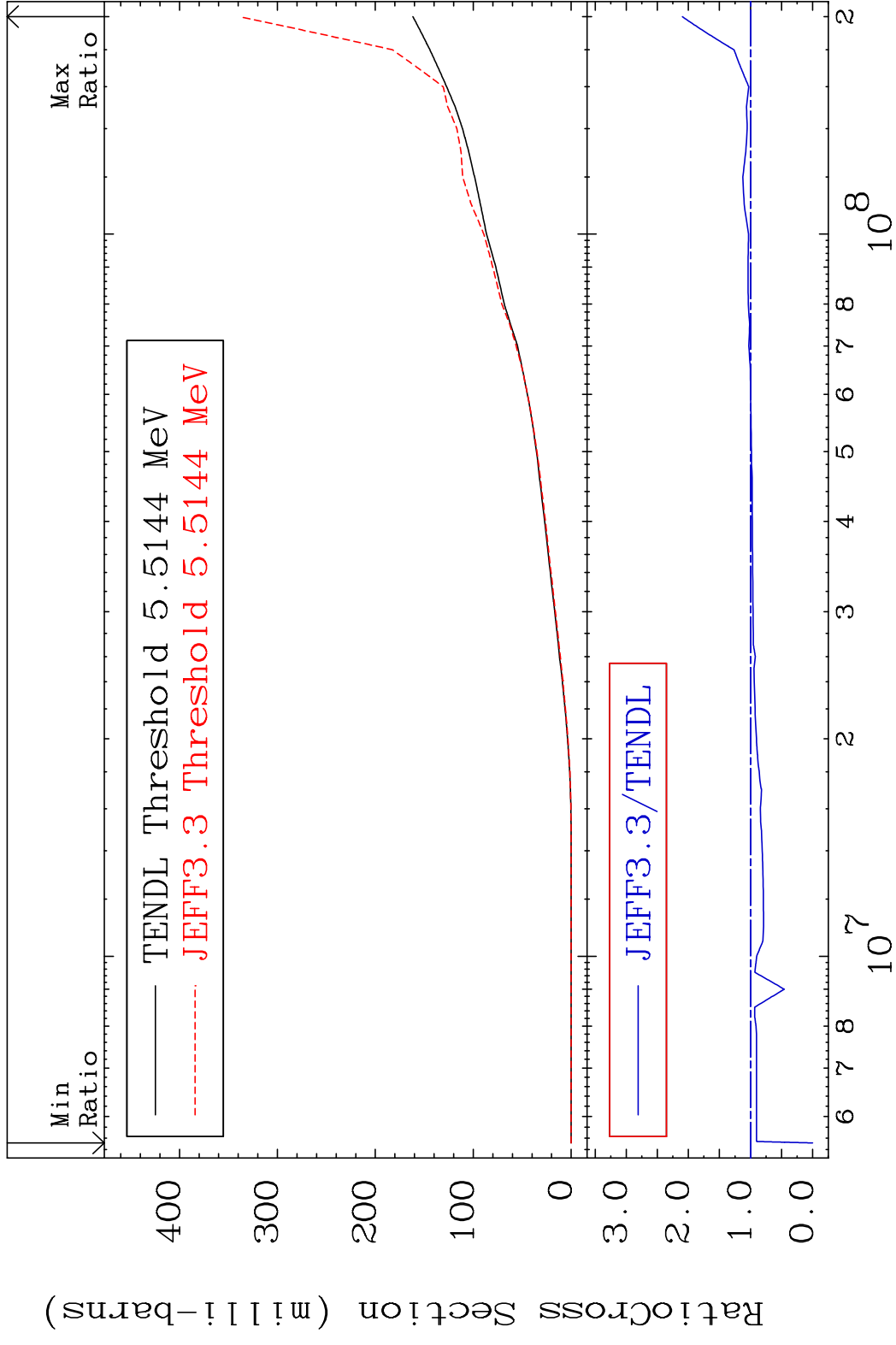


56 Incident Energy (eV) 80-Hg-201

MAT 8040 Hydrogen Production 80-Hg-201
 Cross Section -100.0 To 108.2 %



MAT 8040 Deuterium Production 80-Hg-201
 Cross Section -100.0 To 109.7 %

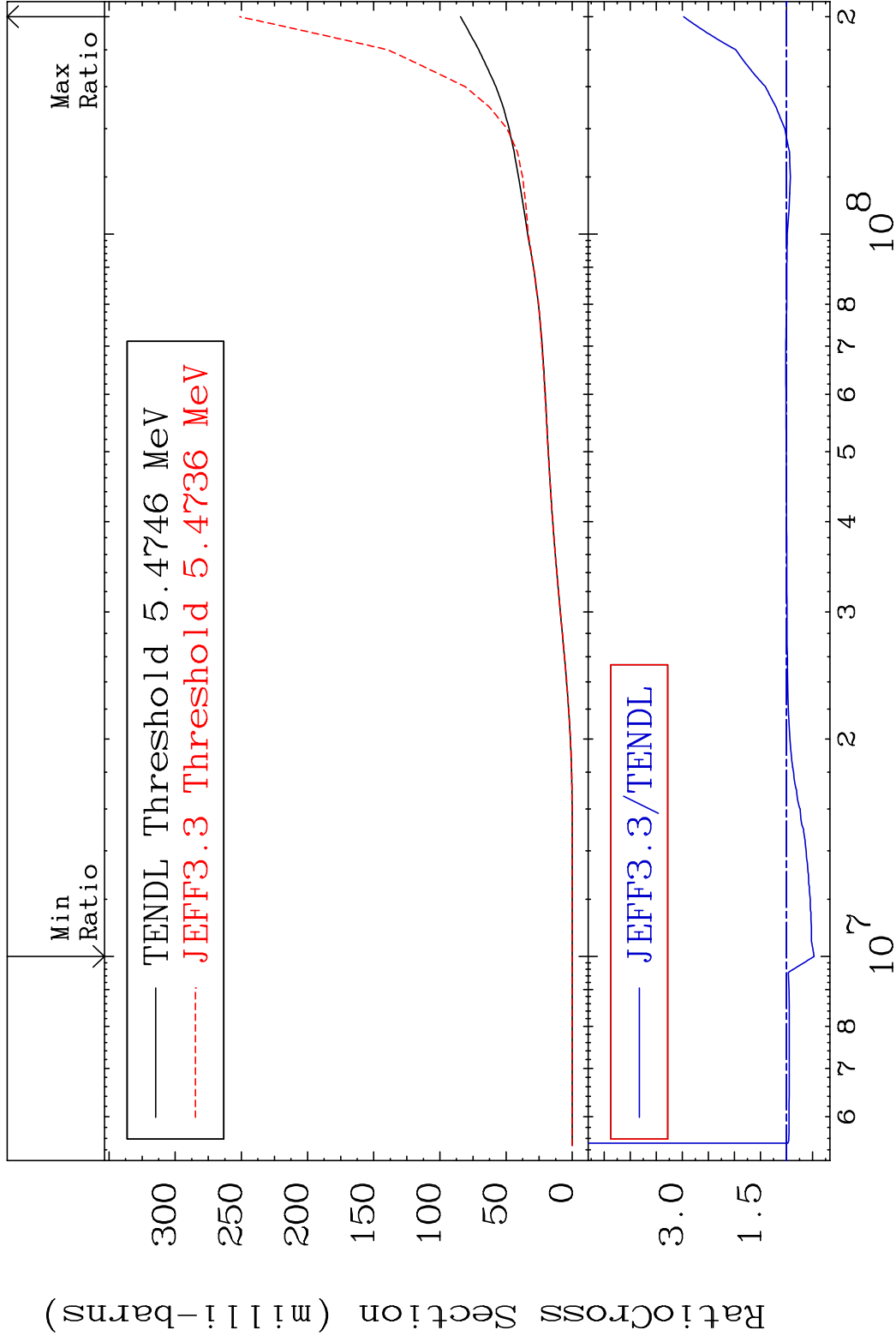


MAT 8040

Tritium Production

80-Hg-201

Cross Section -52.94 To 197.4 %



59

Incident Energy (eV)

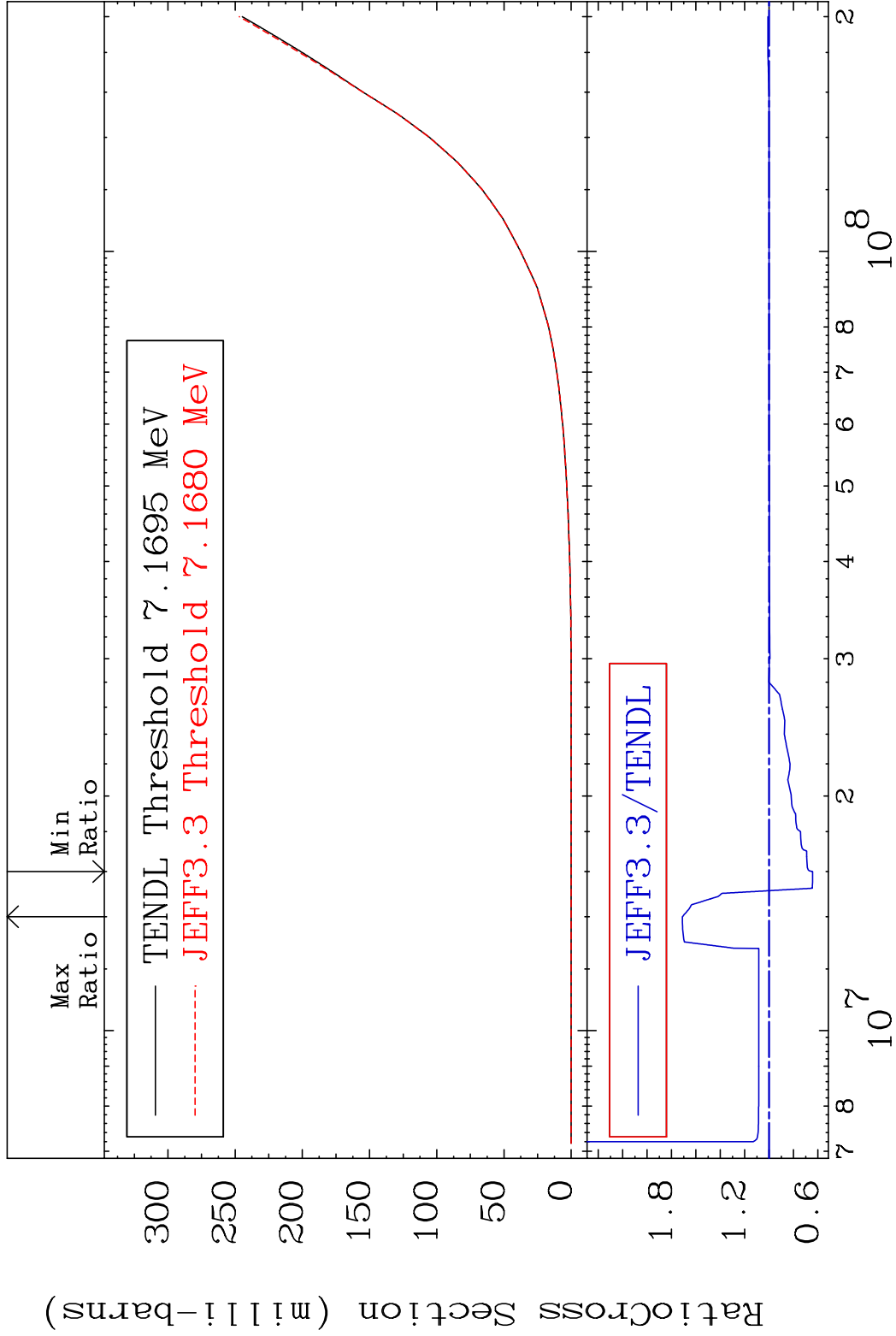
80-Hg-201

MAT 8040

He-3 Production

80-Hg-201

Cross Section -35.64 To 71.12 %



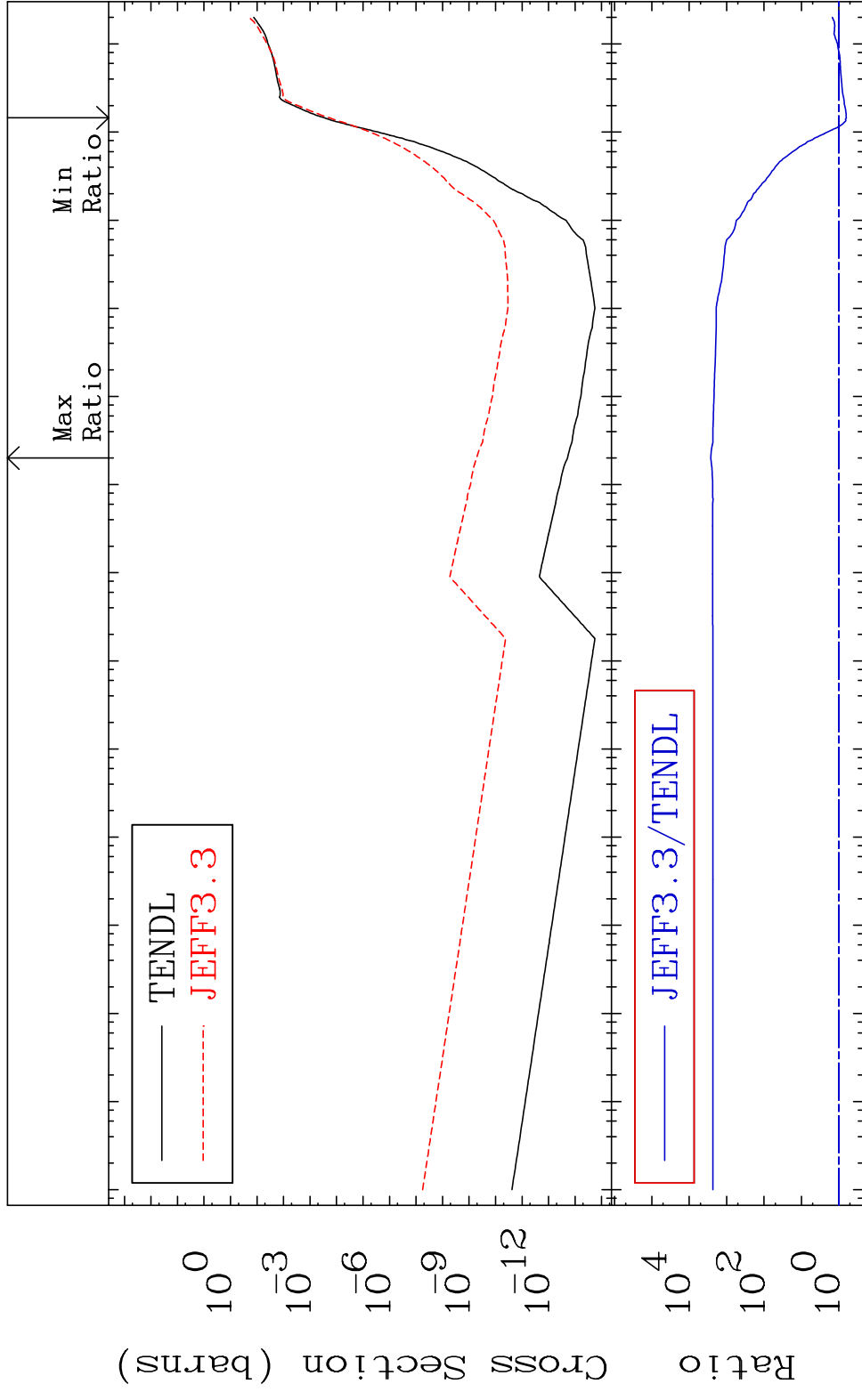
60

Incident Energy (eV)

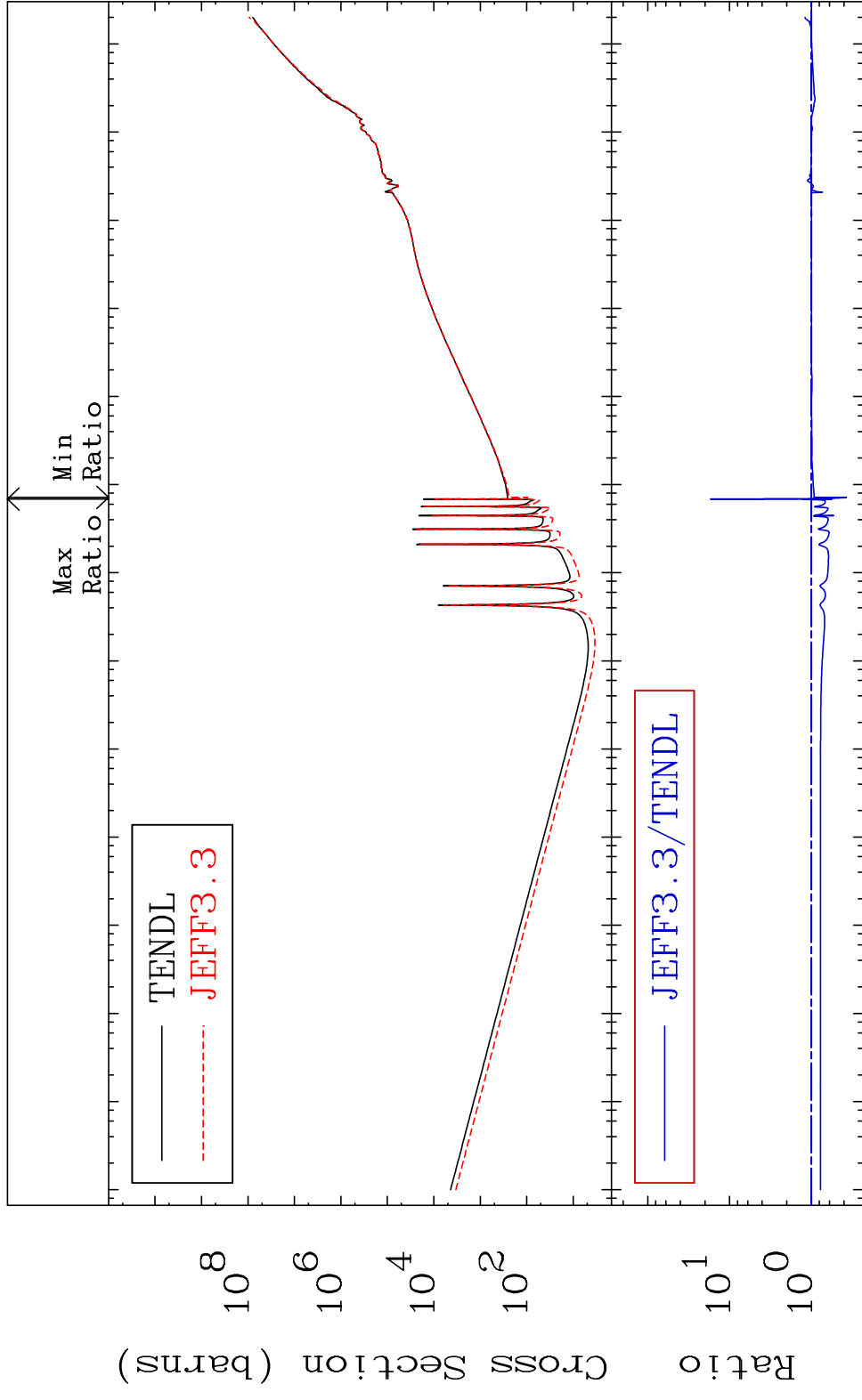
80-Hg-201

MAT 8040

He-4 Production Cross Section
80-Hg-201
-37.08 To 9999. %



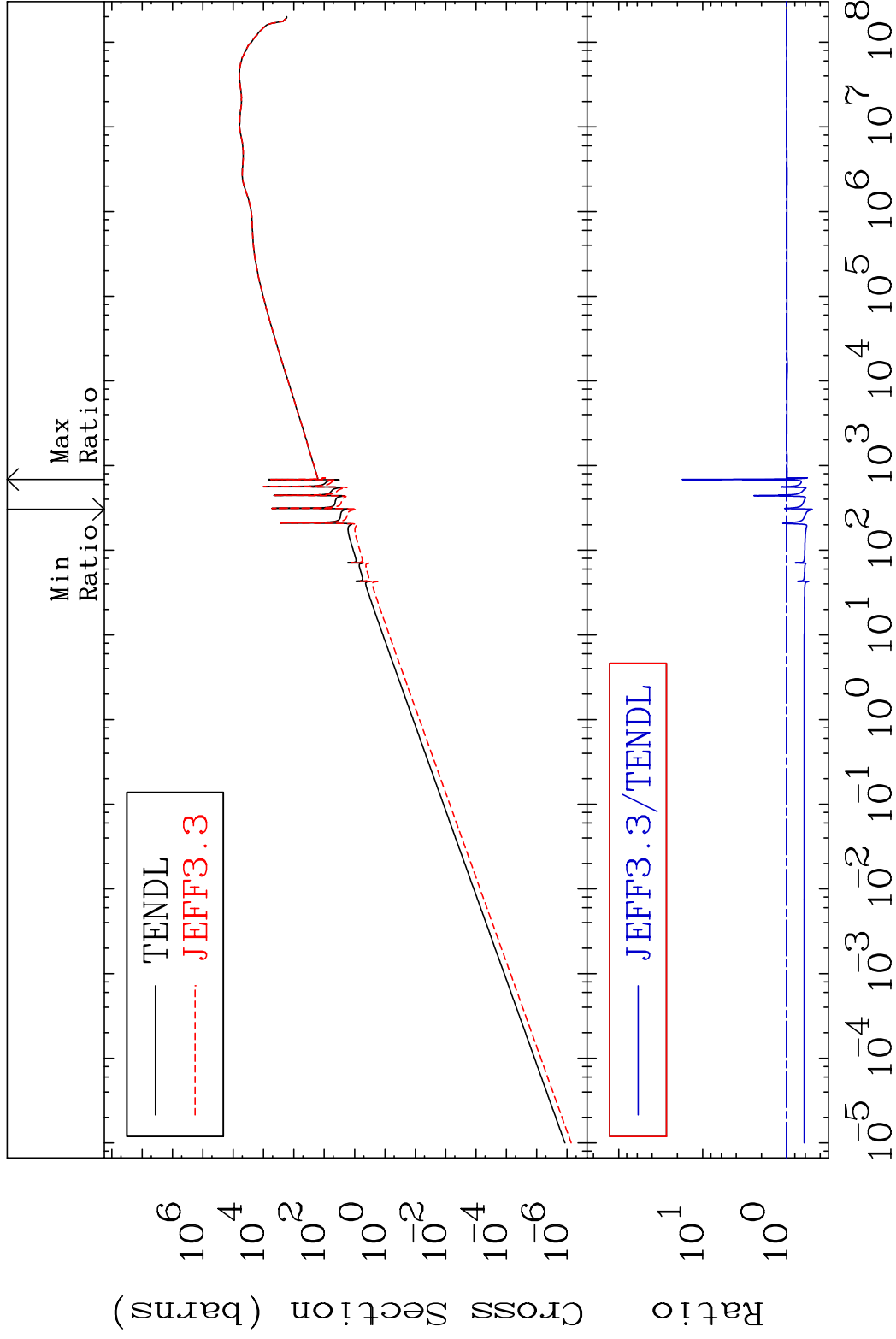
MAT 8040 Kerma total (eV-barns) 80-Hg-201
 Cross Section -62.66 To 1600. %



62 Incident Energy (eV) 80-Hg-201

MAT 8040

Kerma elastic Cross Section -50.76 To 1647. %
80-Hg-201

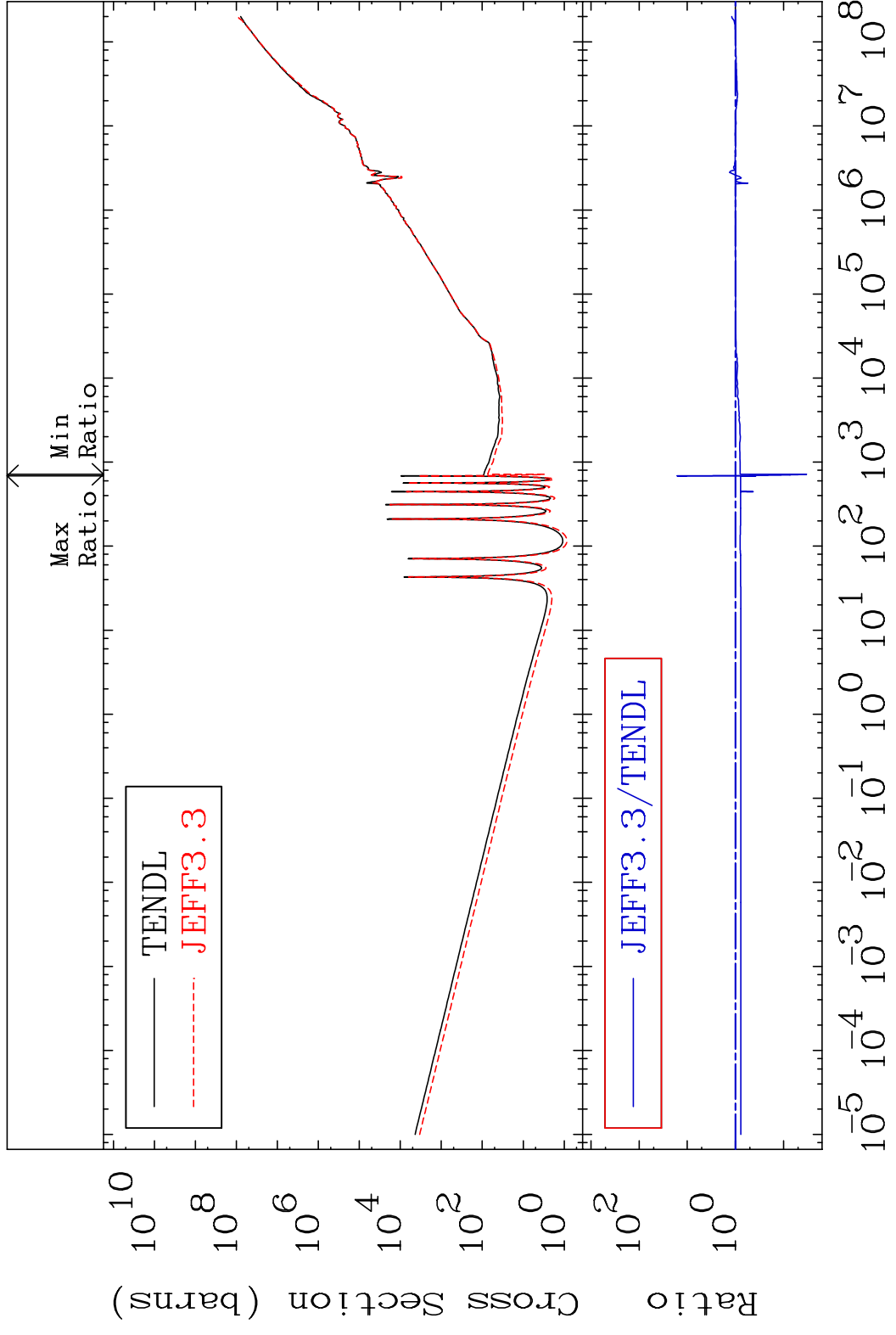


63

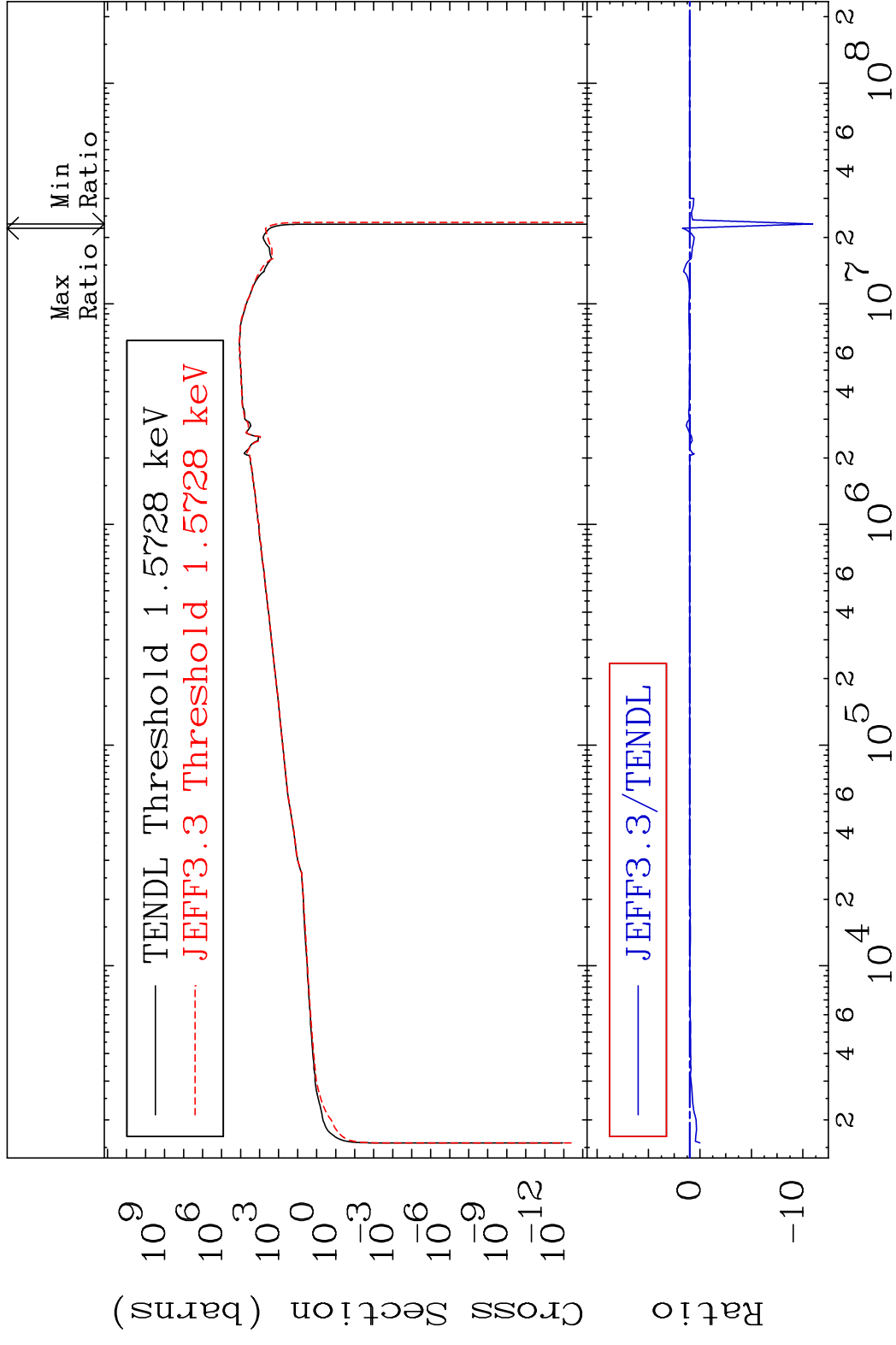
Incident Energy (eV)

80-Hg-201

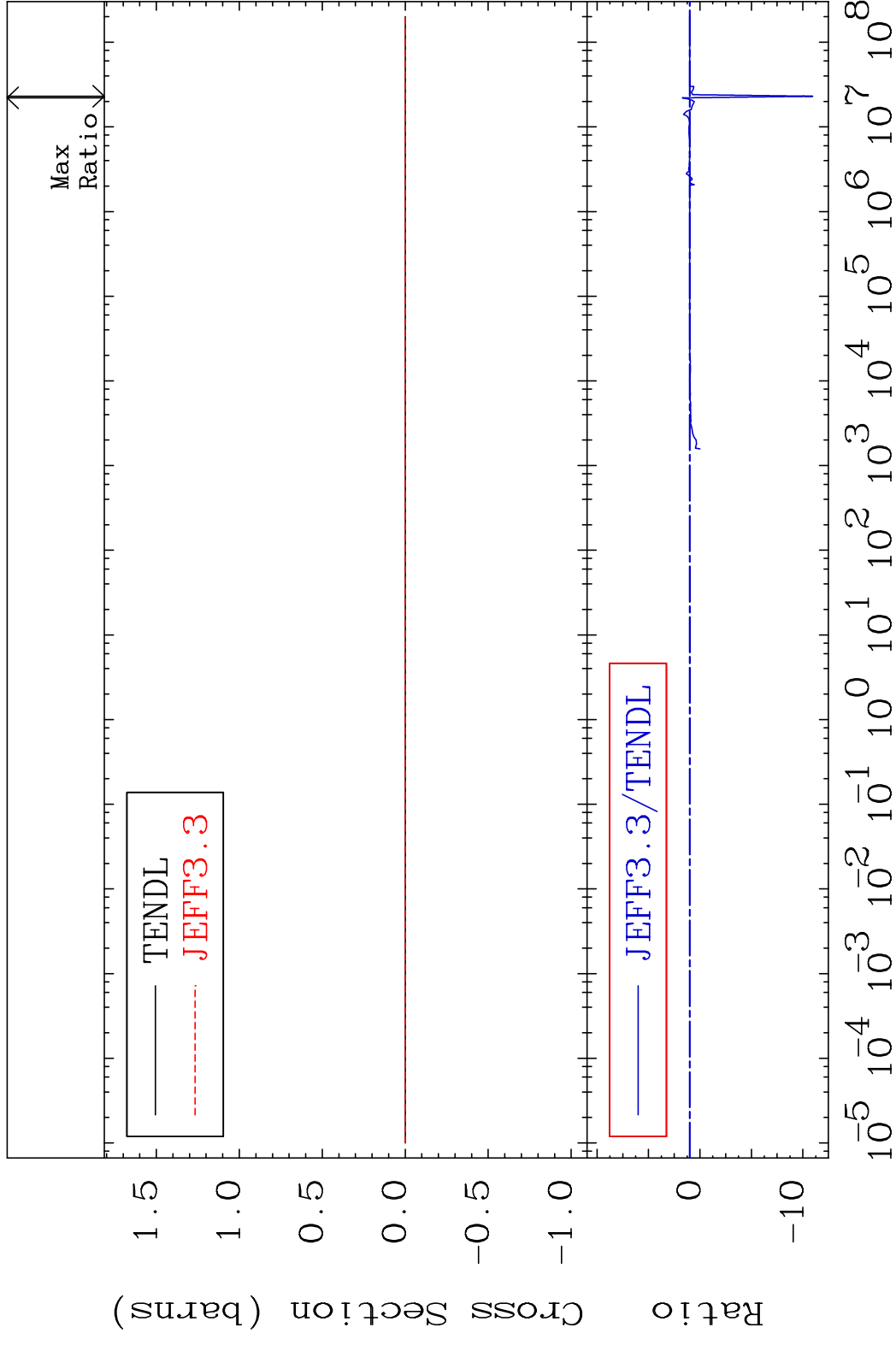
MAT 8040 Kerma non-elastic (all but mt2) 80-Hg-201
 Cross Section -96.66 To 1521. %



MAT 8040 Kerma inelastic (mt51-91) 80-Hg-201
 Cross Section -1195. To 70.94 %



MAT 8040 Kerma fission (mt18 or mt19-20-21-38)80-Hg-201
 Cross Section -1195. To 70.94 %

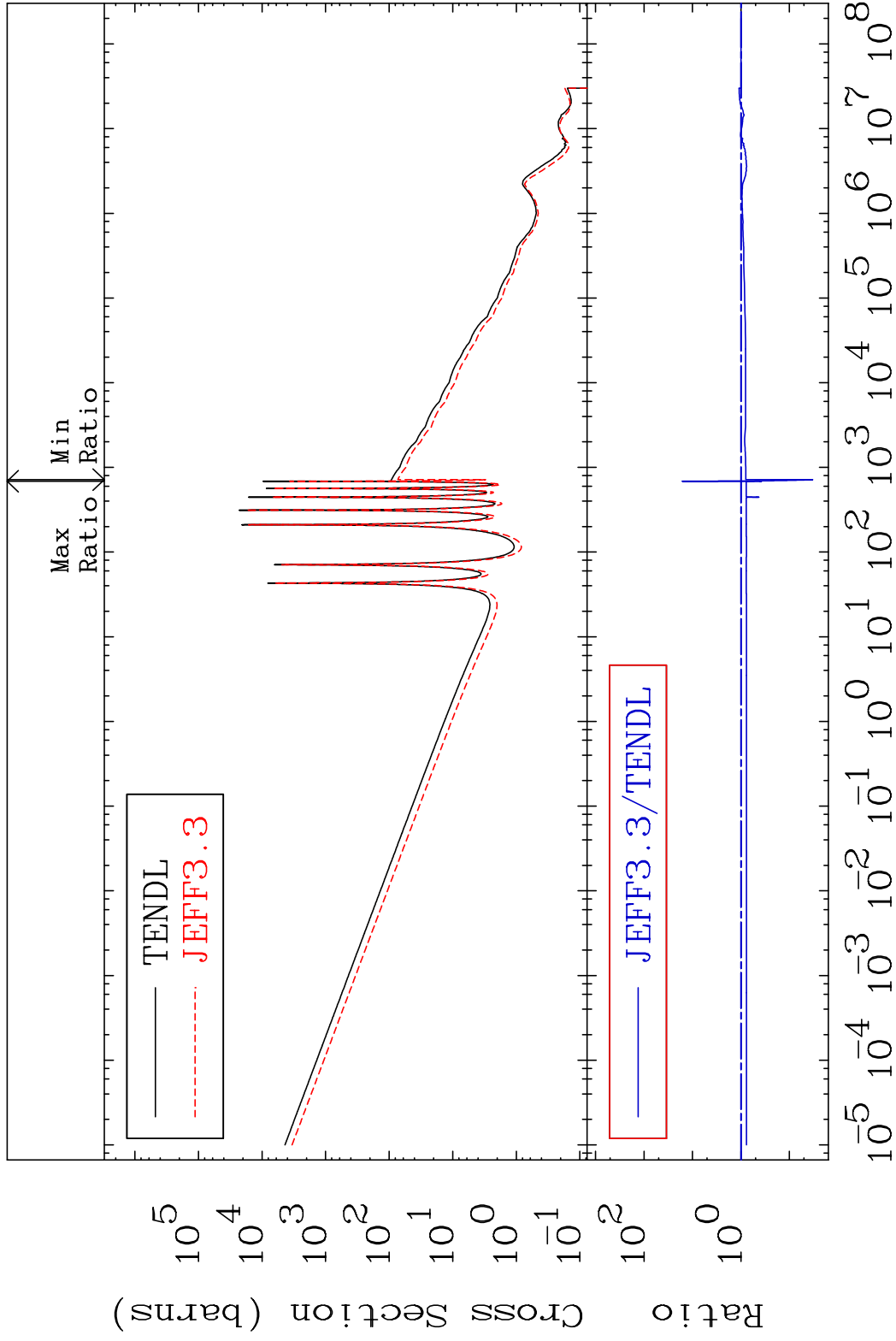


MAT 8040

Kerma capture (mt102)

80-Hg-201

Cross Section -96.66 To 1521. %

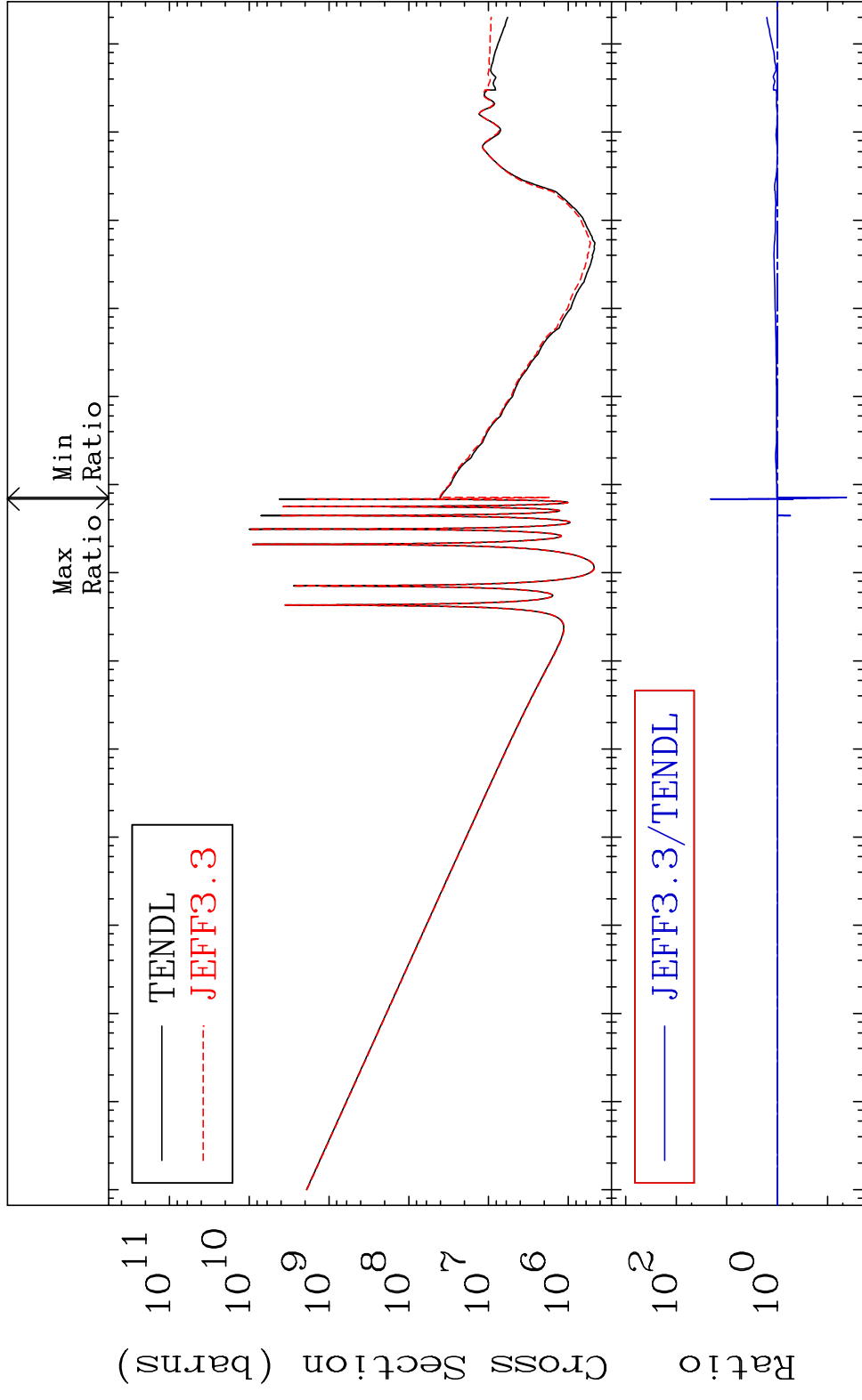


67

Incident Energy (eV)

80-Hg-201

MAT 8040 Total photon (eV-barns) 80-Hg-201
 Cross Section -95.73 To 1976. %

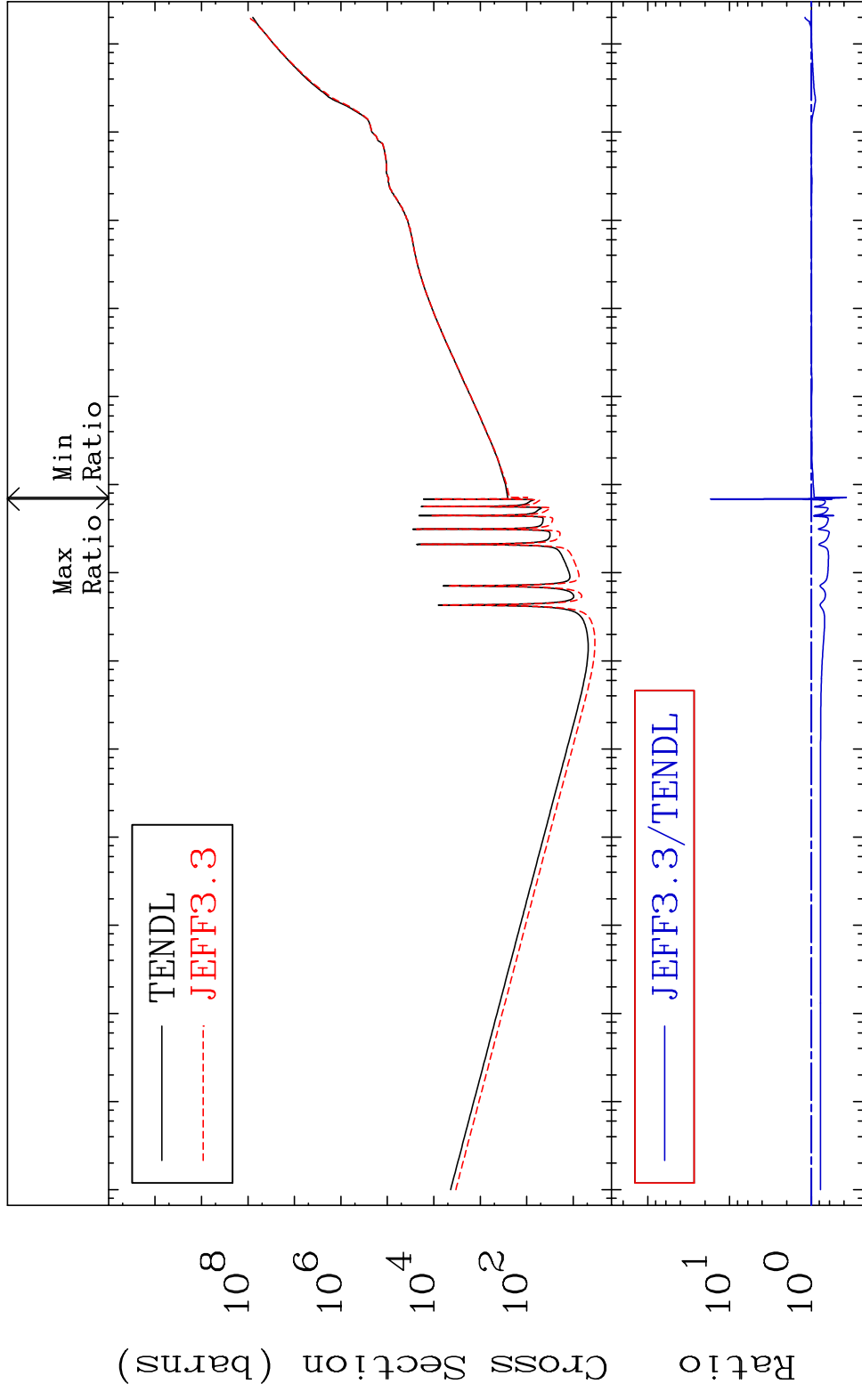


10¹¹
 10¹⁰
 10⁹
 10⁸
 10⁷
 10⁶
 10²
 10⁰

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

68 Incident Energy (eV) 80-Hg-201

MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
 Cross Section -62.66 To 1600. %



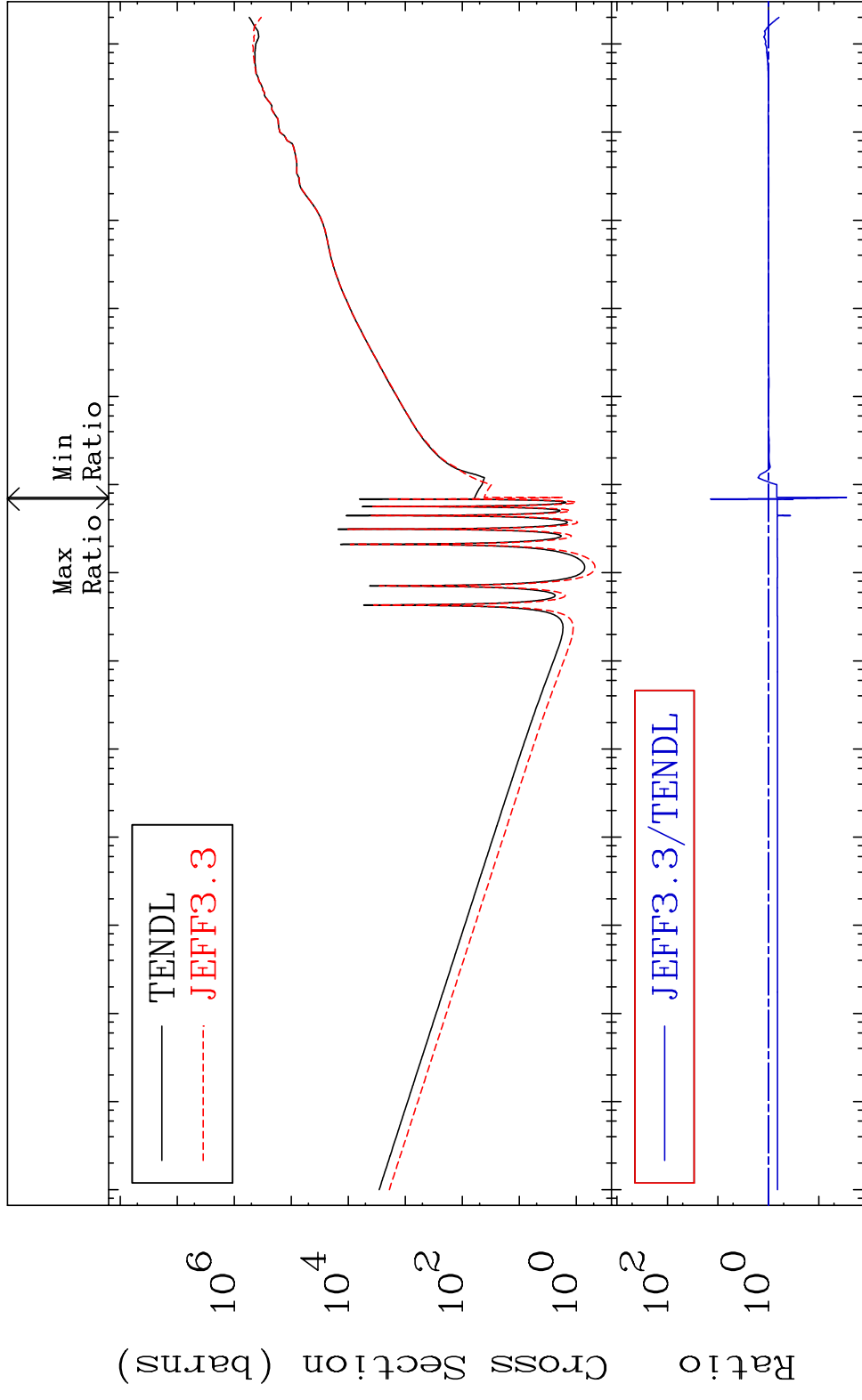
69 Incident Energy (eV) 80-Hg-201

MAT 8040

Dpa total (eV-barns)

80-Hg-201

Cross Section -97.14 To 1291. %



70

Incident Energy (eV)

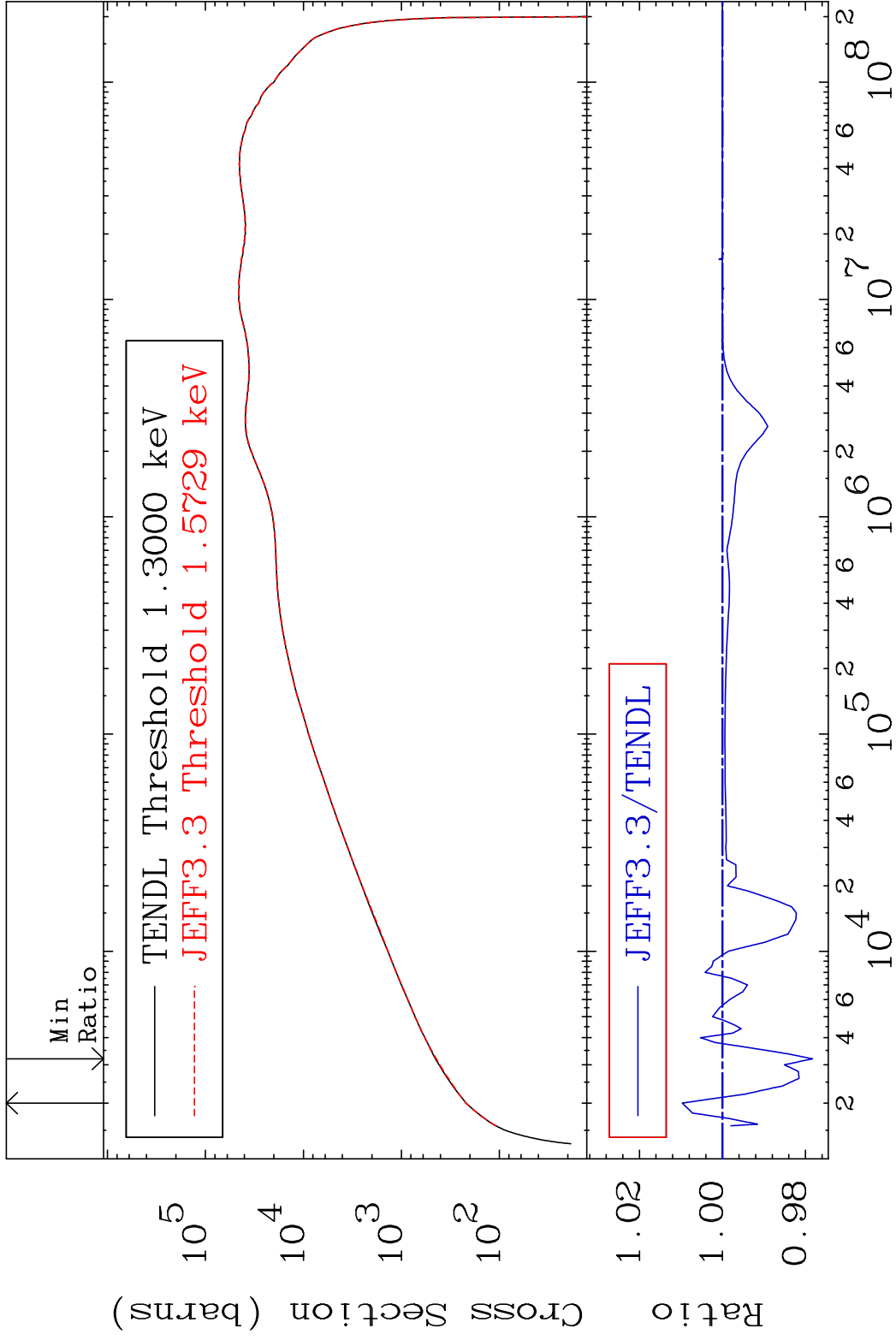
80-Hg-201

MAT 8040

Dpa elastic (mt2)

80-Hg-201

Cross Section -2.169 To 0.971 %

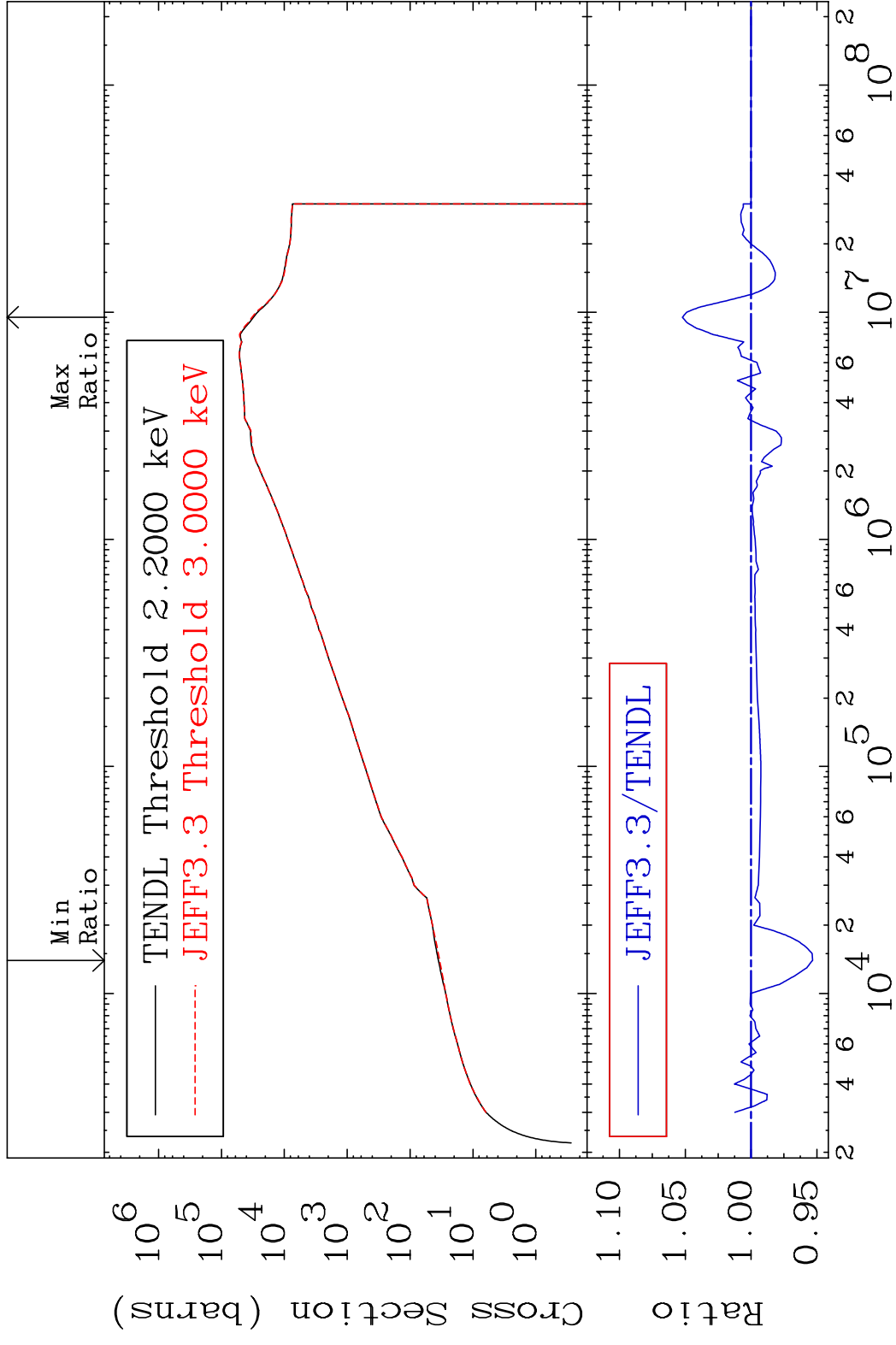


71

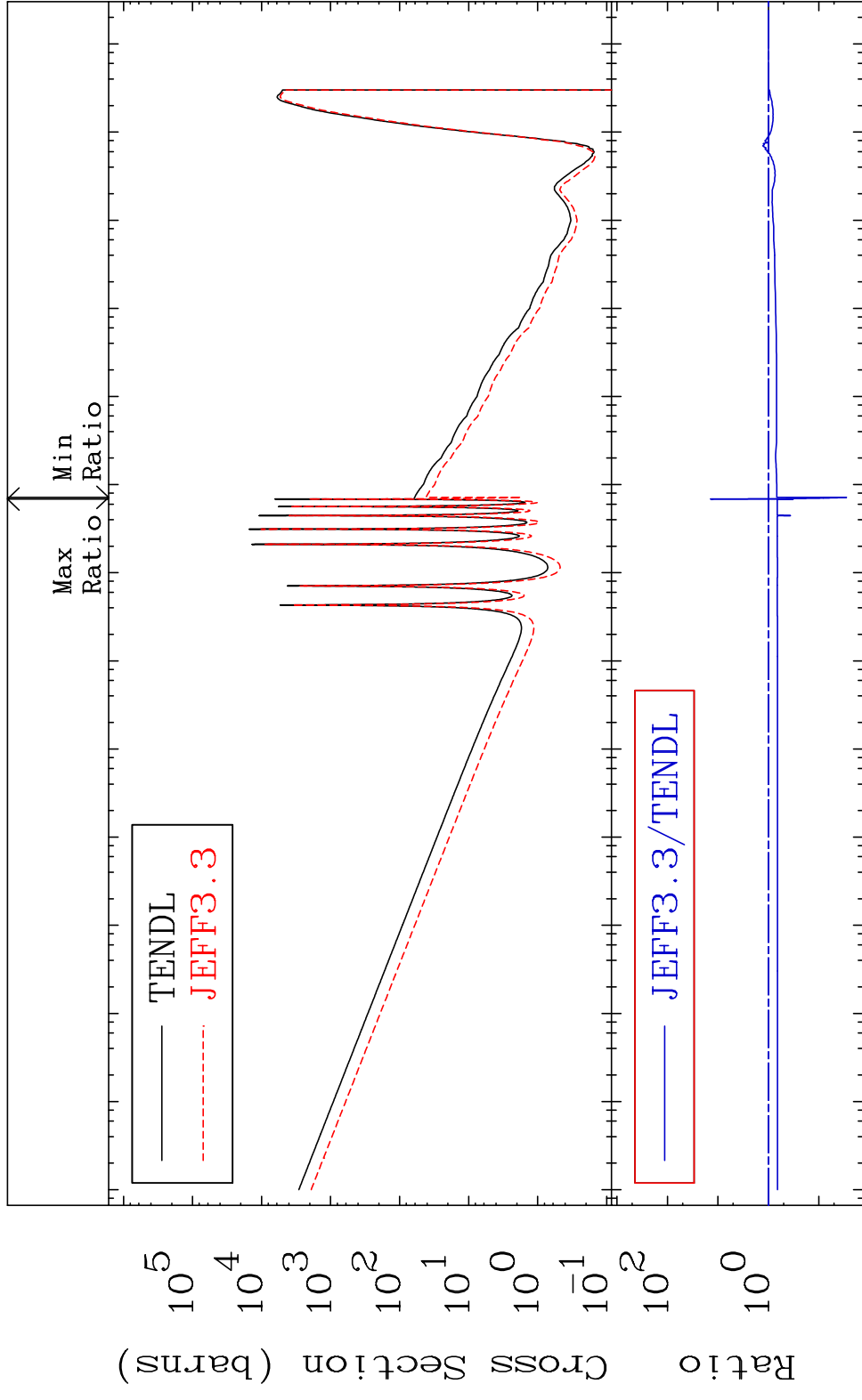
Incident Energy (eV)

80-Hg-201

MAT 8040 Dpa inelastic (mt51-91) 80-Hg-201
 Cross Section -4.673 To 5.219 %

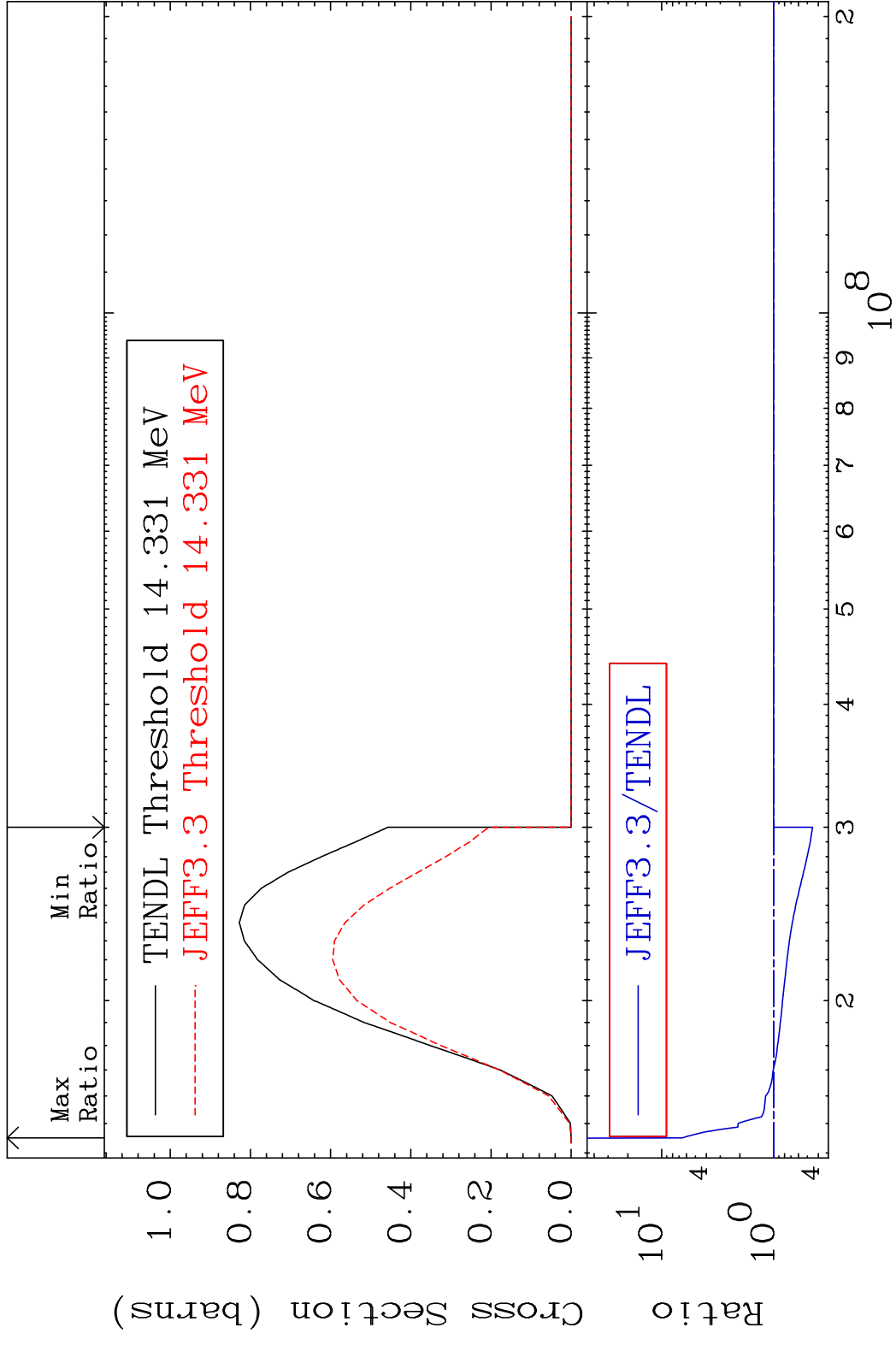


MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
 Cross Section -97.14 To 1291. %

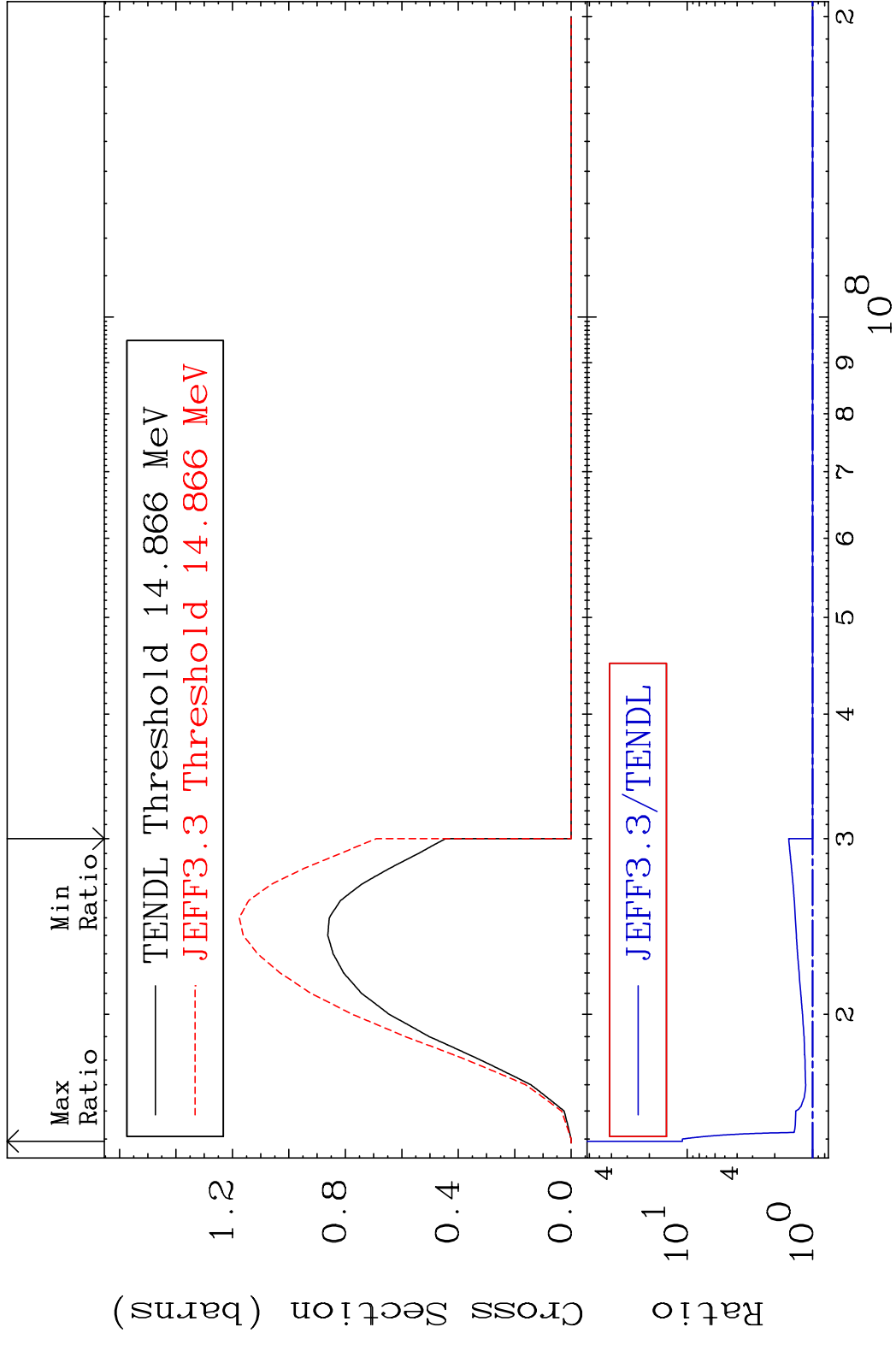


73 Incident Energy (eV) 80-Hg-201

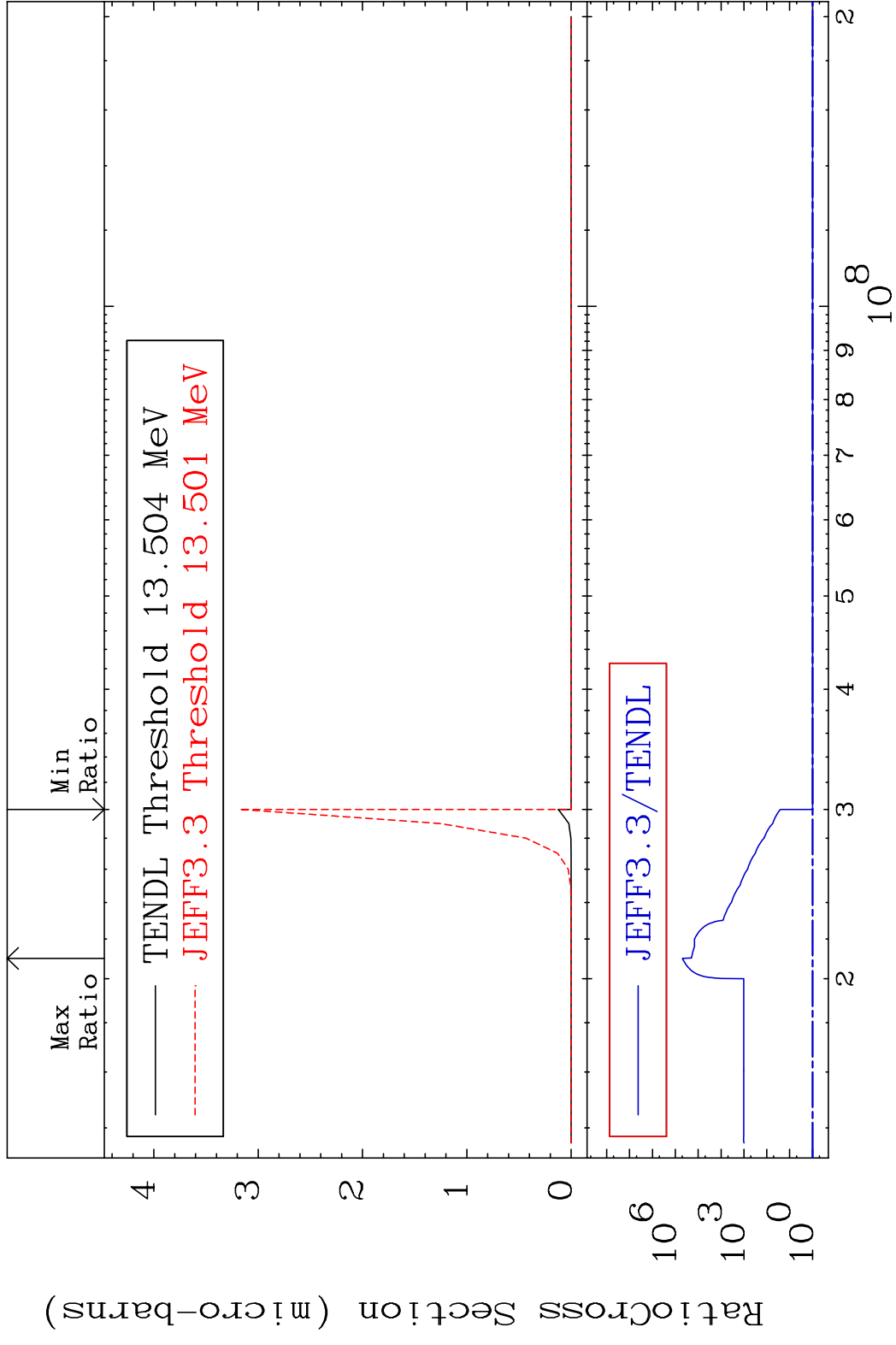
MAT 8040 (n,3n):80-Hg-199g 80-Hg-201
 Radionuclide Production Cross Section 55600 dth 553.2 %

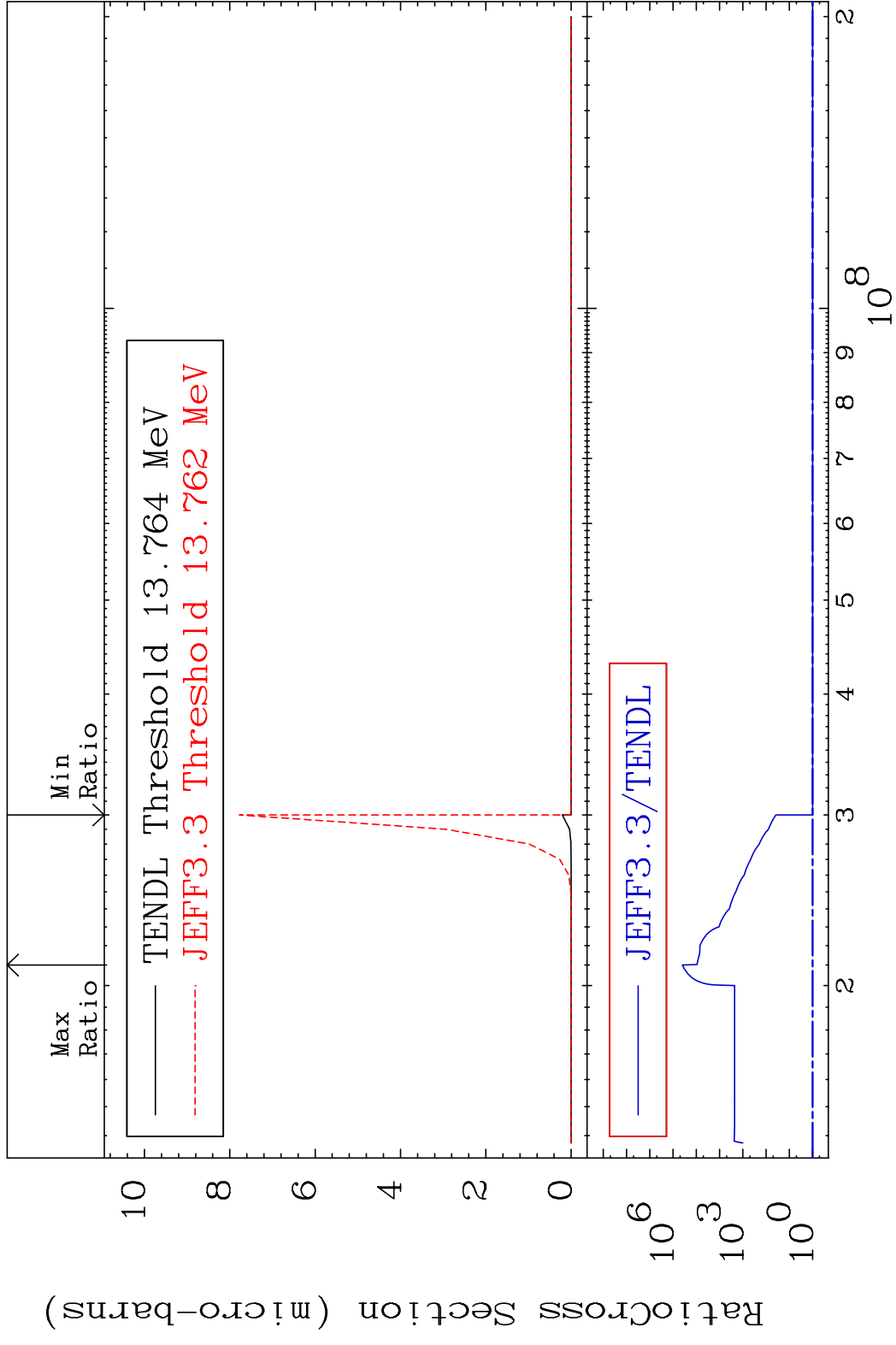


MAT 8040 (n, 3n):80-Hg-199m7 80-Hg-201
 Radionuclide Production Cross Section 990.7 %

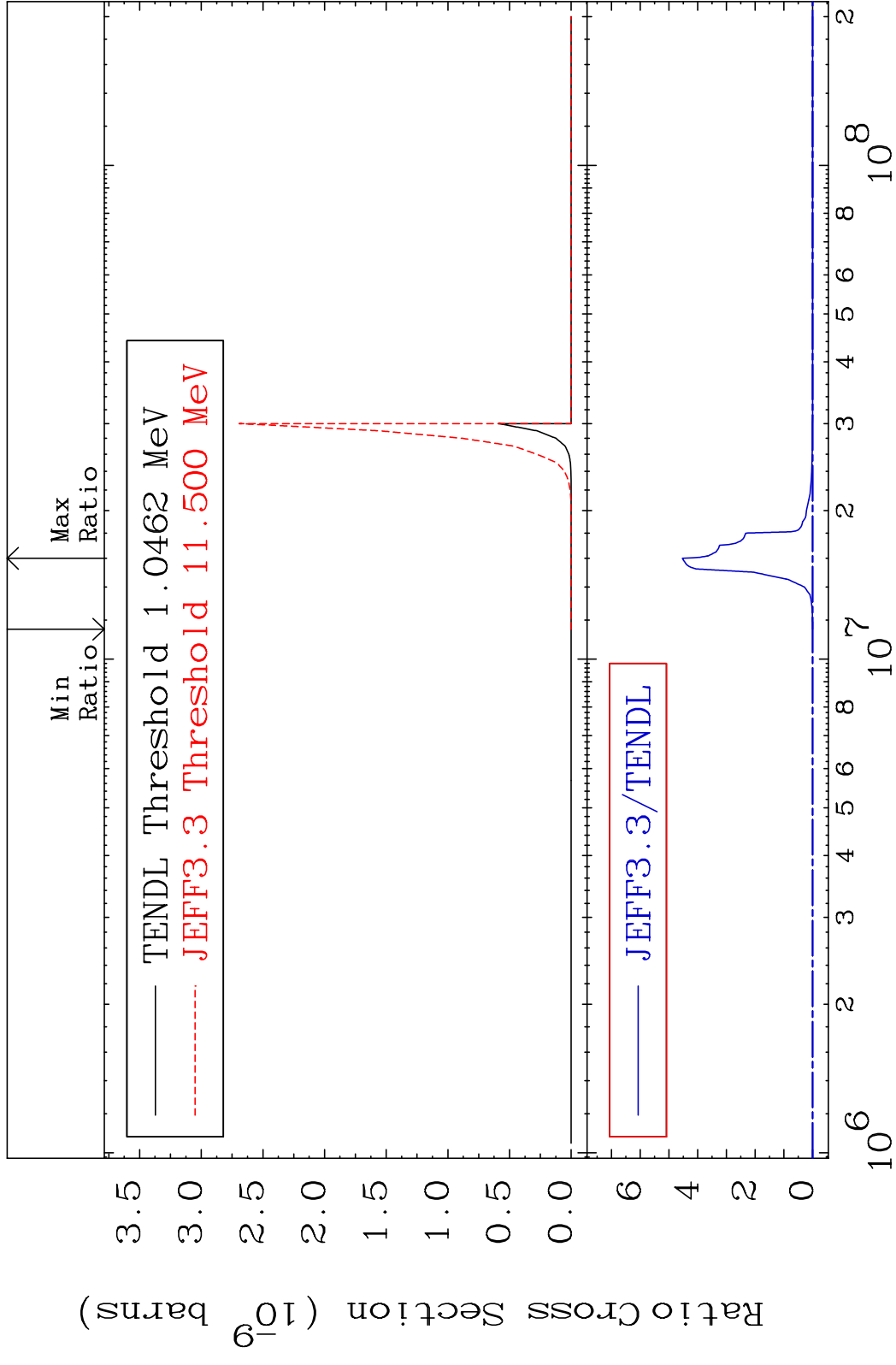


MAT 8040 (n,3n) α :78-Pt-195g 80-Hg-201
 Radionuclide Production Cross Section 9999. %





MAT 8040 (n, p) α :77-Ir-197g 80-Hg-201
 Radionuclide Production Cross Section Ratio 9999. %



78 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, p) α :77-Ir-197m2 80-Hg-201
 Radionuclide Production Cross Section Ratio 9999. %

