

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

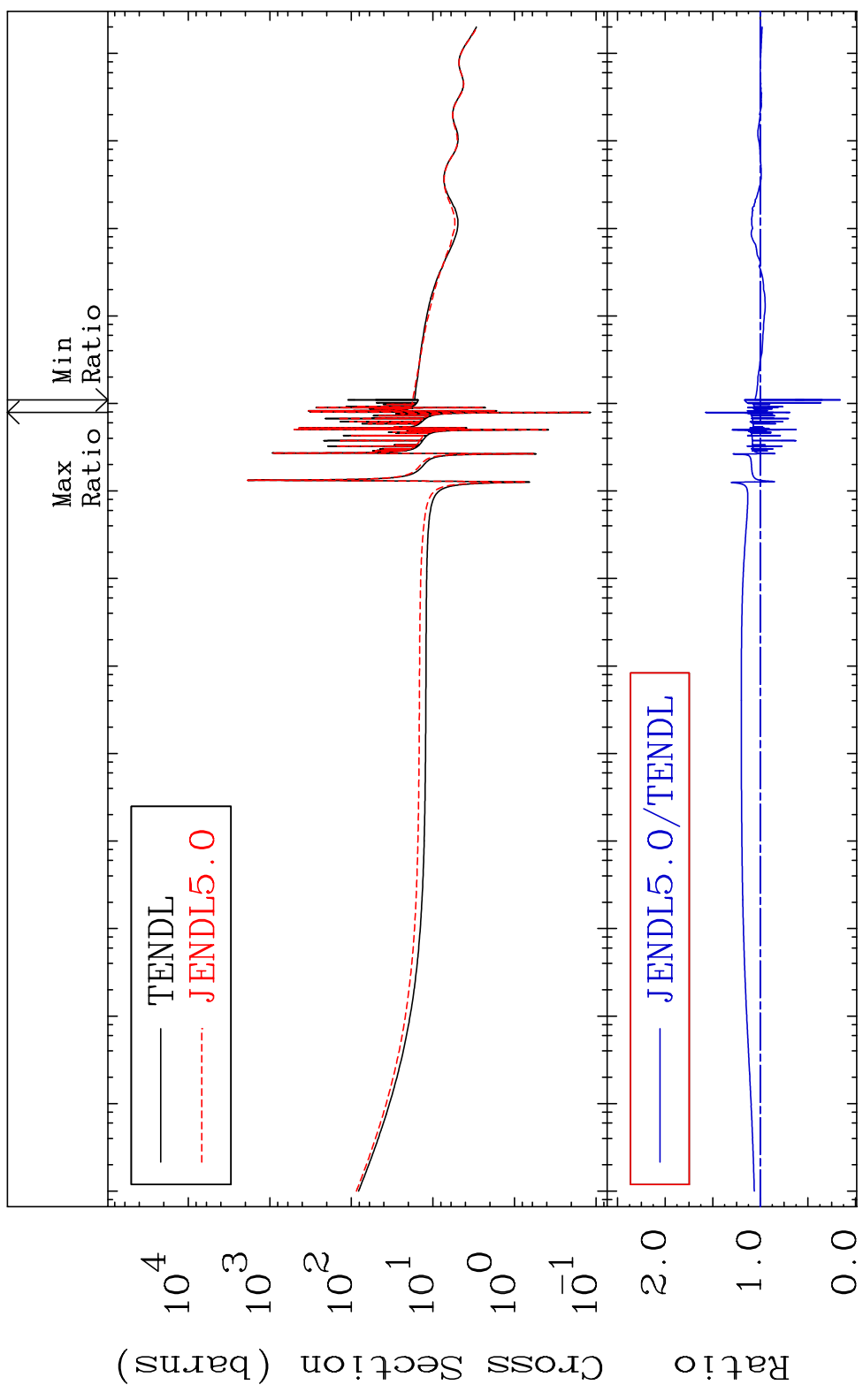
MAT 8037

Total

80-Hg-200

Cross Section

-84.10 To 57.38 %



10⁴
10³
10²
10¹
10⁰
10⁻¹
2.0
1.0
0.0

1

Incident Energy (eV)

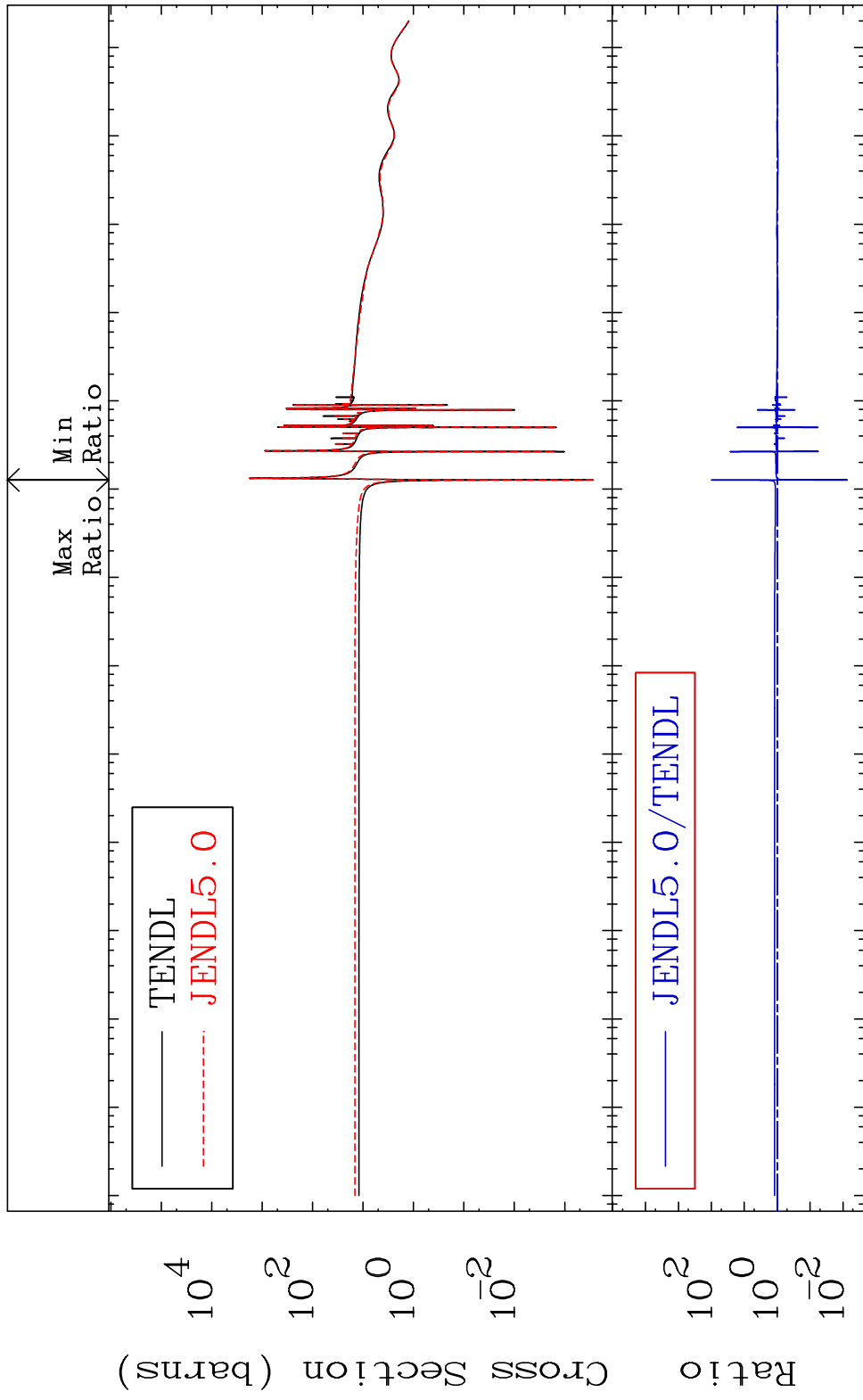
80-Hg-200

MAT 8037

Elastic

80-Hg-200

Cross Section -99.26 To 9767. %

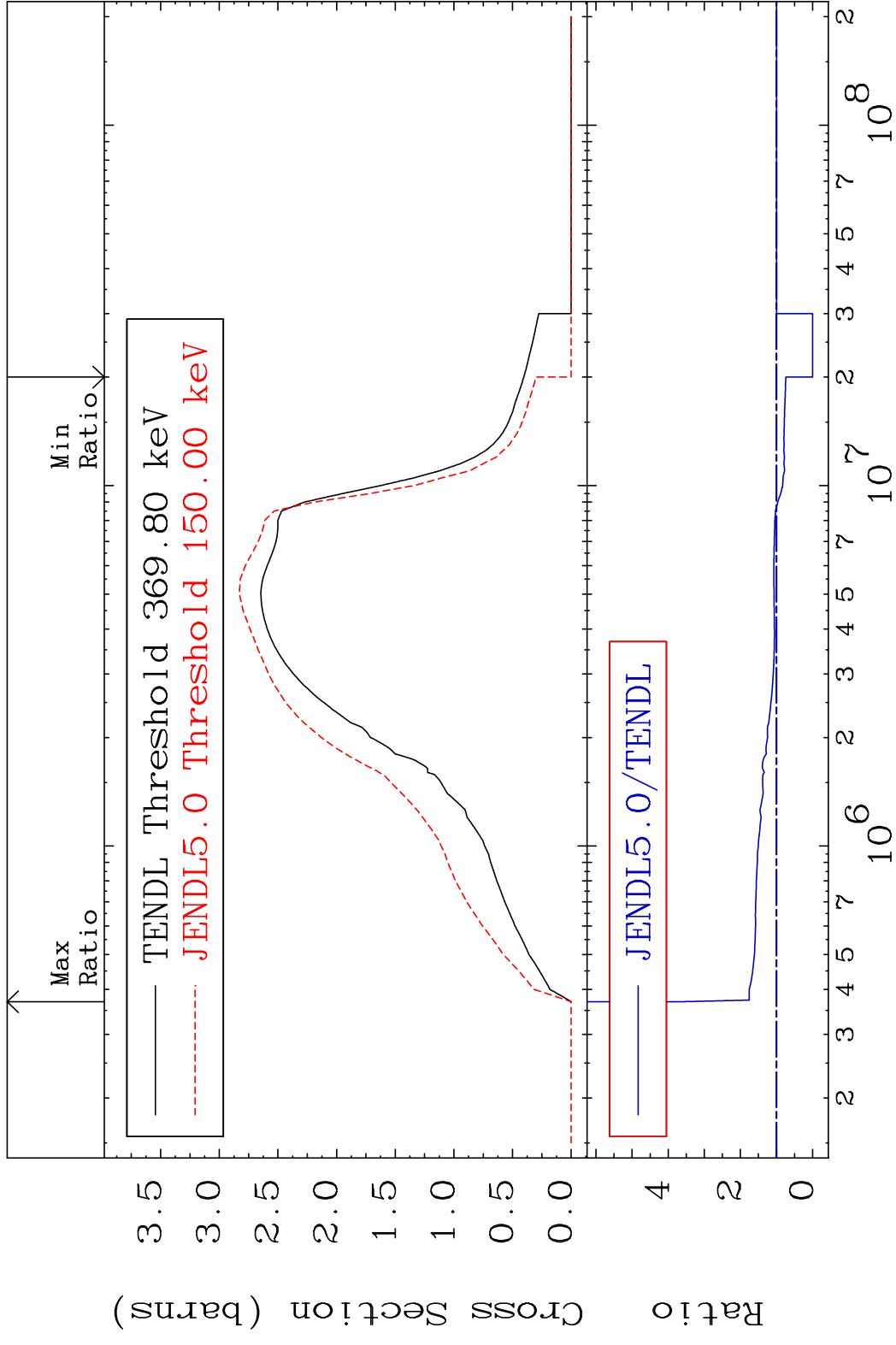


2

Incident Energy (eV)

80-Hg-200

MAT 8037 Inelastic Cross Section -100.0 To 260.7 % 80-Hg-200



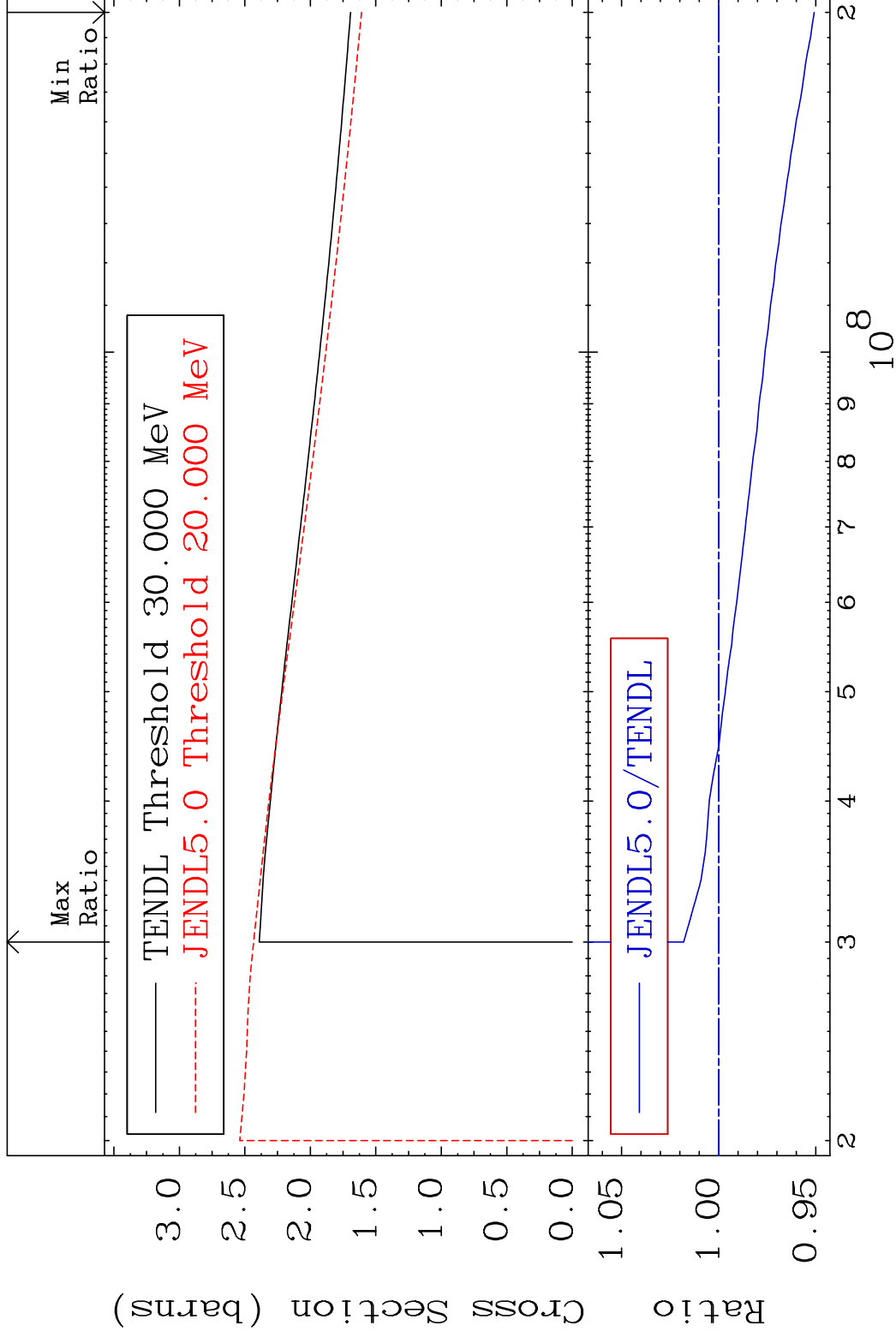
MAT 8037

(n, remainder)

80-Hg-200

Cross Section

-4.912 To 1.807 %

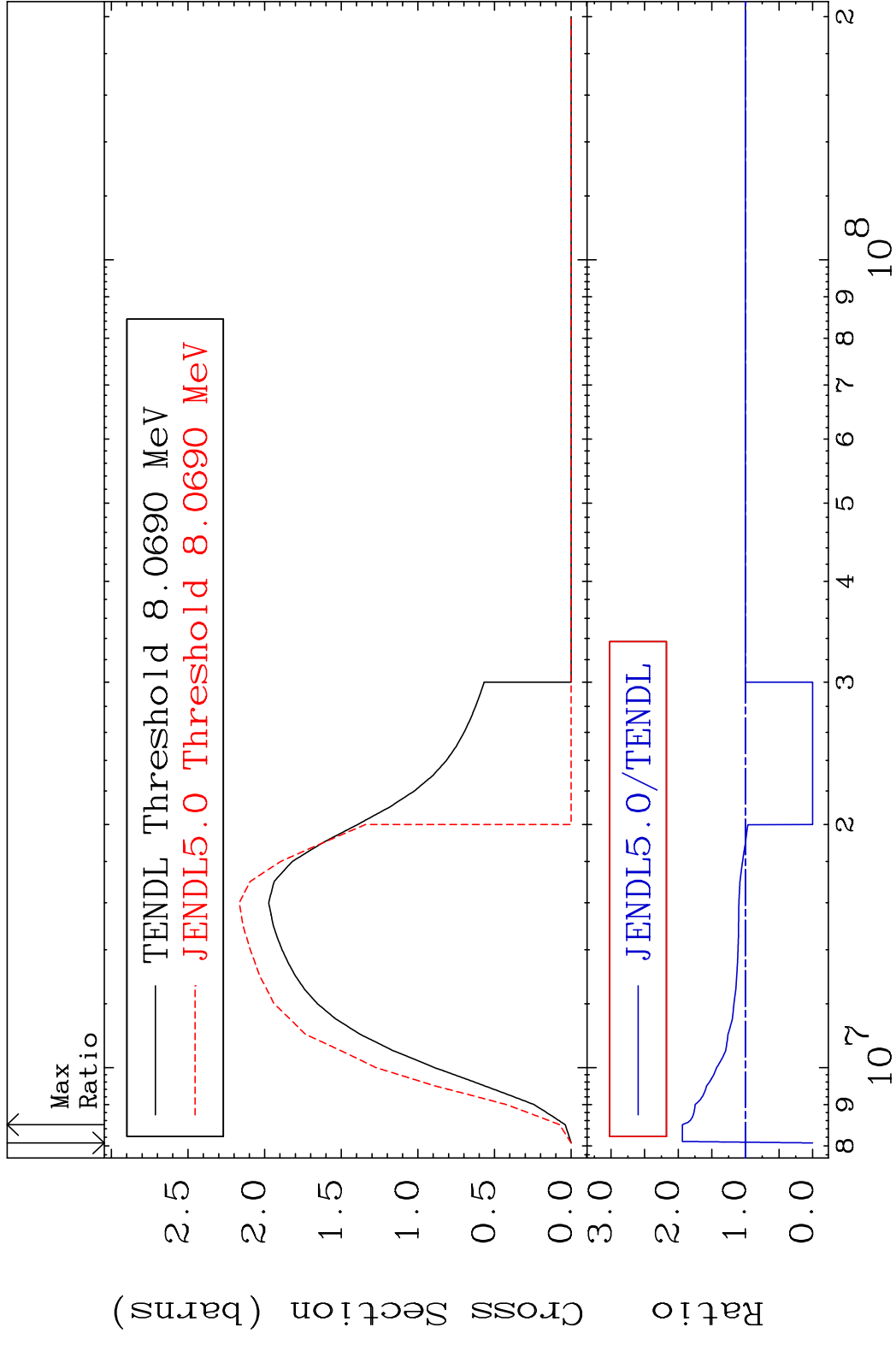


4

Incident Energy (eV)

80-Hg-200

MAT 8037 (n,2n) 80-Hg-200
 Cross Section -100.0 To 93.84 %



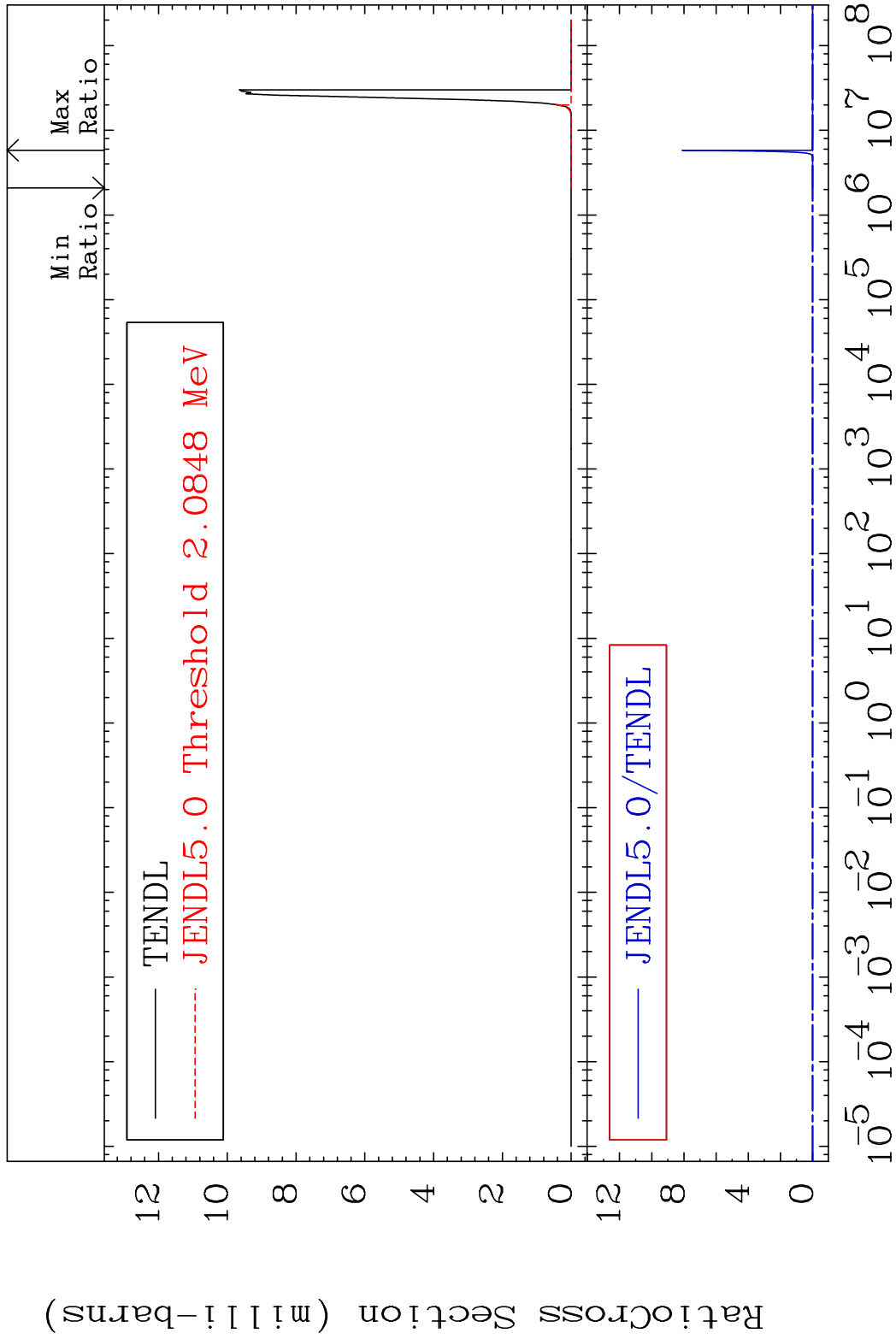
5 Incident Energy (eV) 80-Hg-200

MAT 8037

(n, n') α

80-Hg-200

Cross Section -100.0 To 9999. %

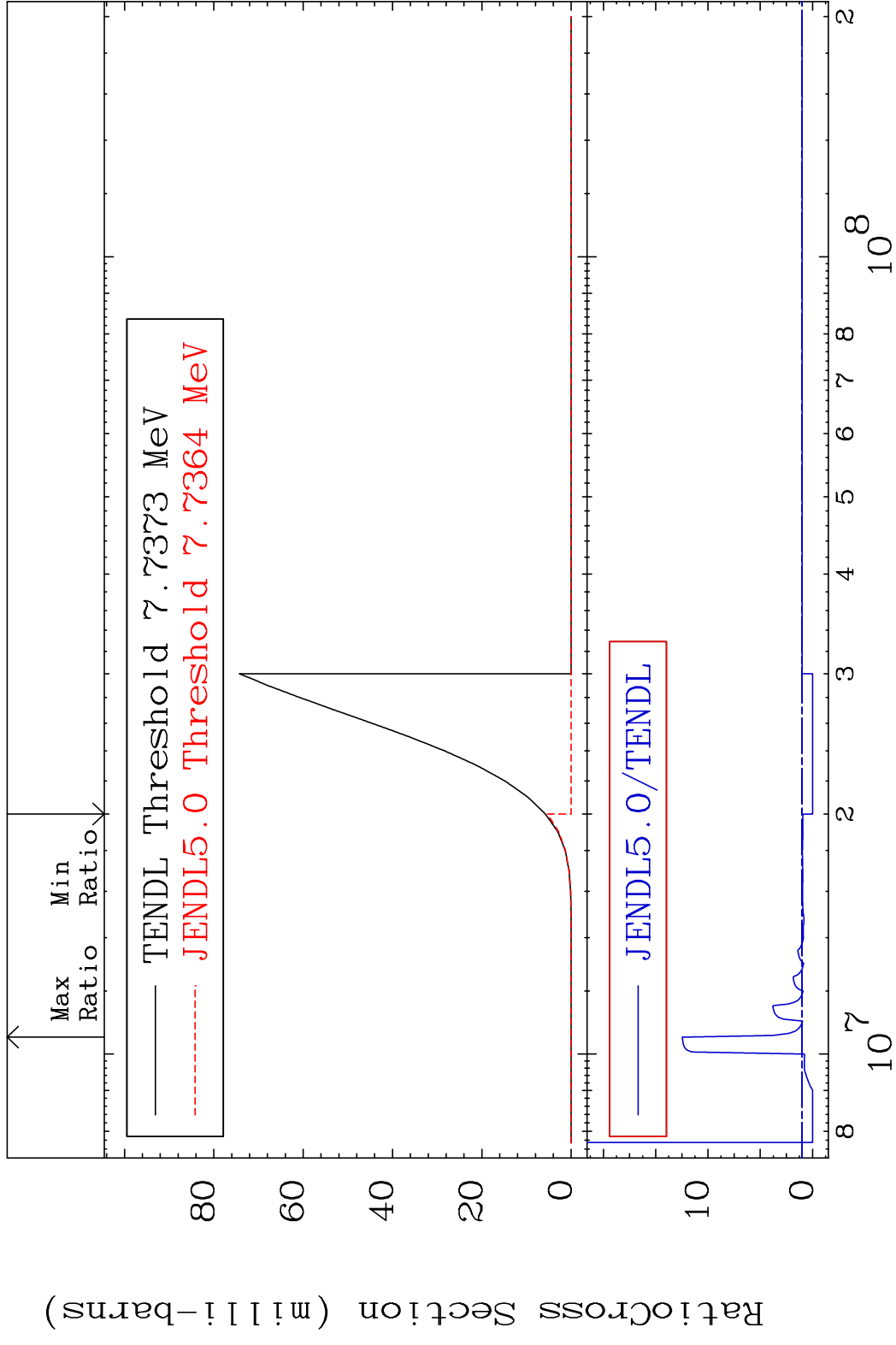


7

Incident Energy (eV)

80-Hg-200

MAT 8037 (n, n') p 80-Hg-200
 Cross Section -100.0 To 1145. %



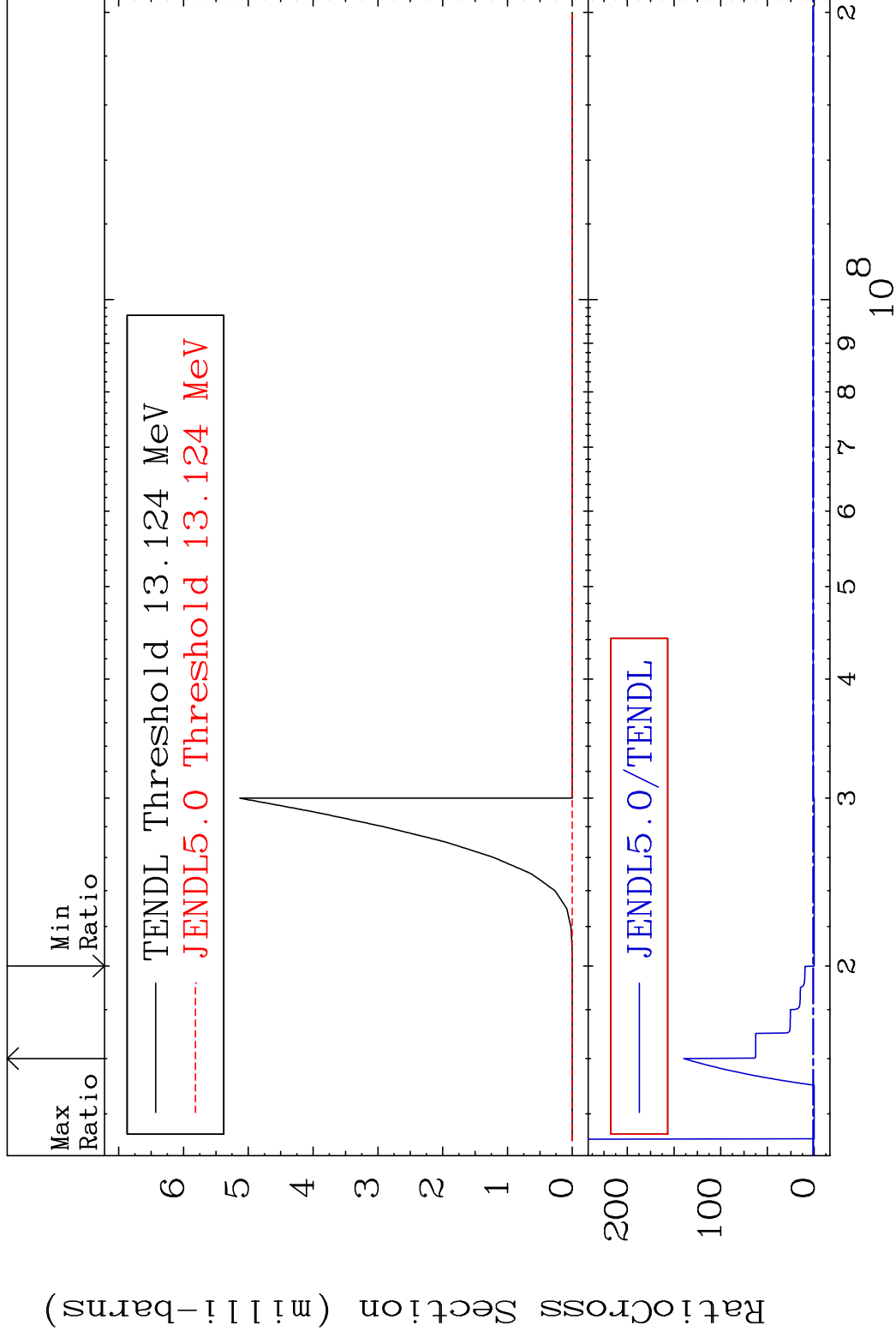
8 Incident Energy (eV) 80-Hg-200

MAT 8037

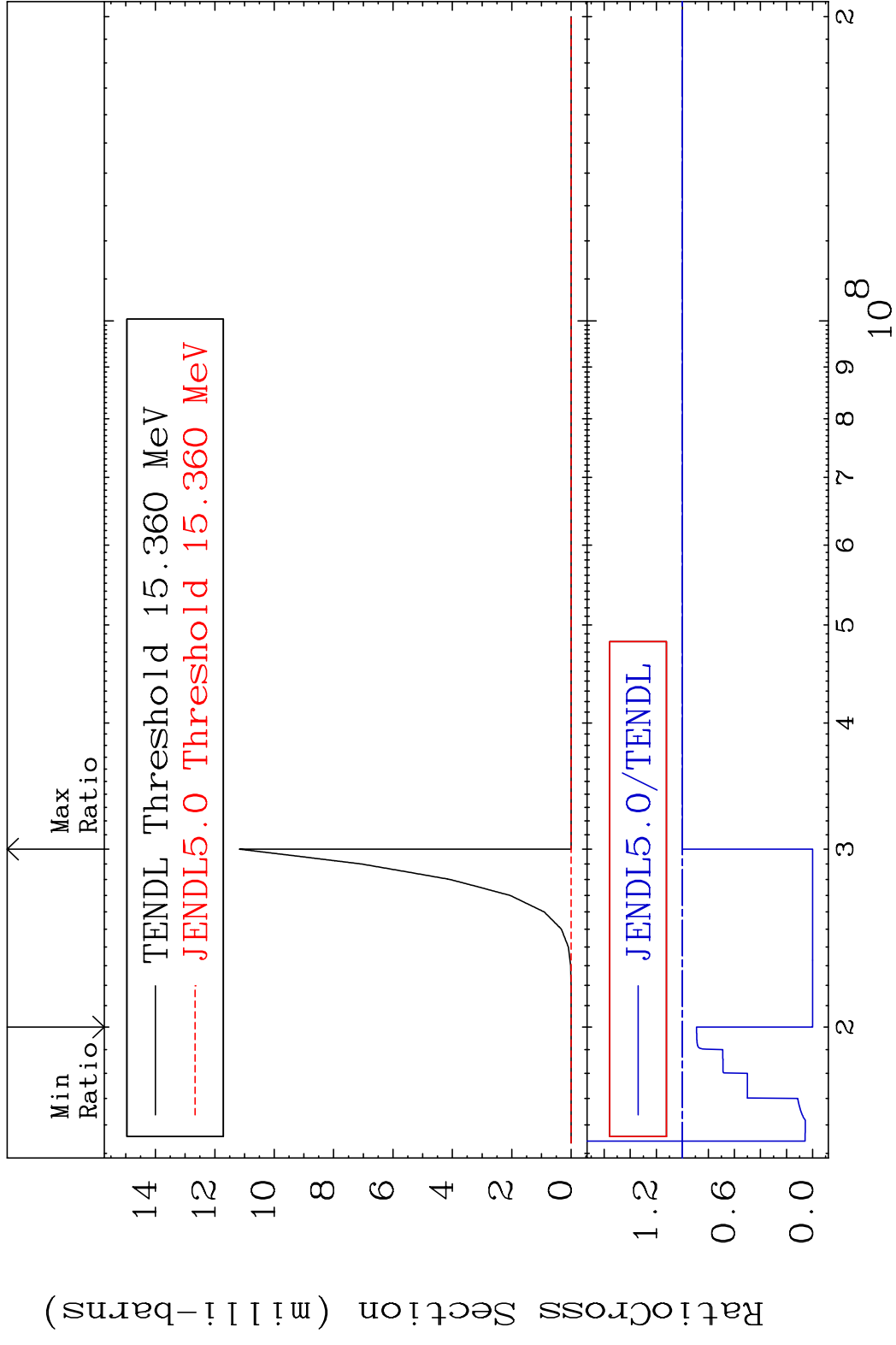
(n, n') d

80-Hg-200

Cross Section -100.0 To 9999. %

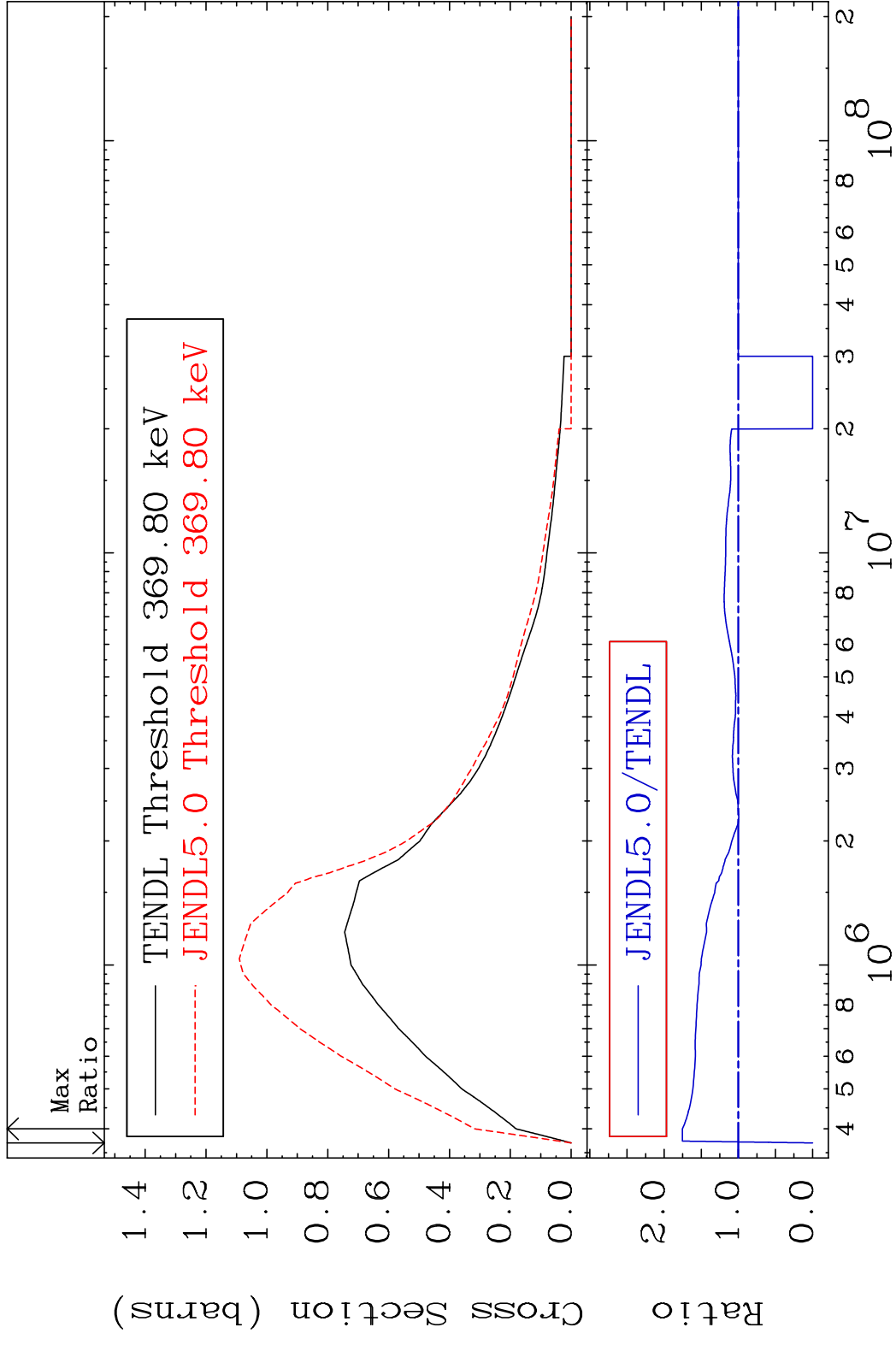


MAT 8037 (n,2n) p 80-Hg-200
 Cross Section -100.0 To 0.000 %

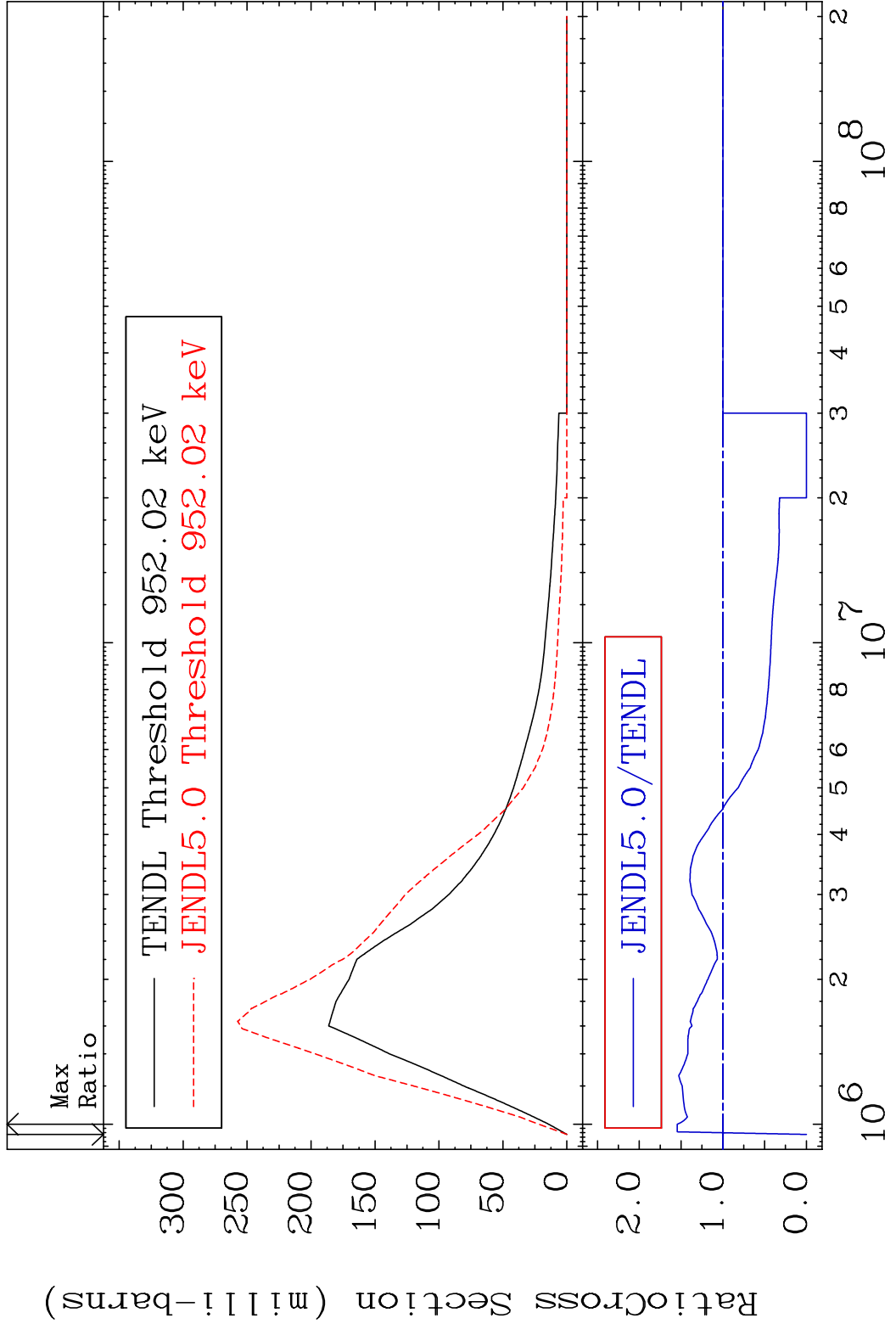


10 Incident Energy (eV) 80-Hg-200

MAT 8037 MT= 51 (n,n') Level 80-Hg-200
 Cross Section -100.0 To 75.43 %

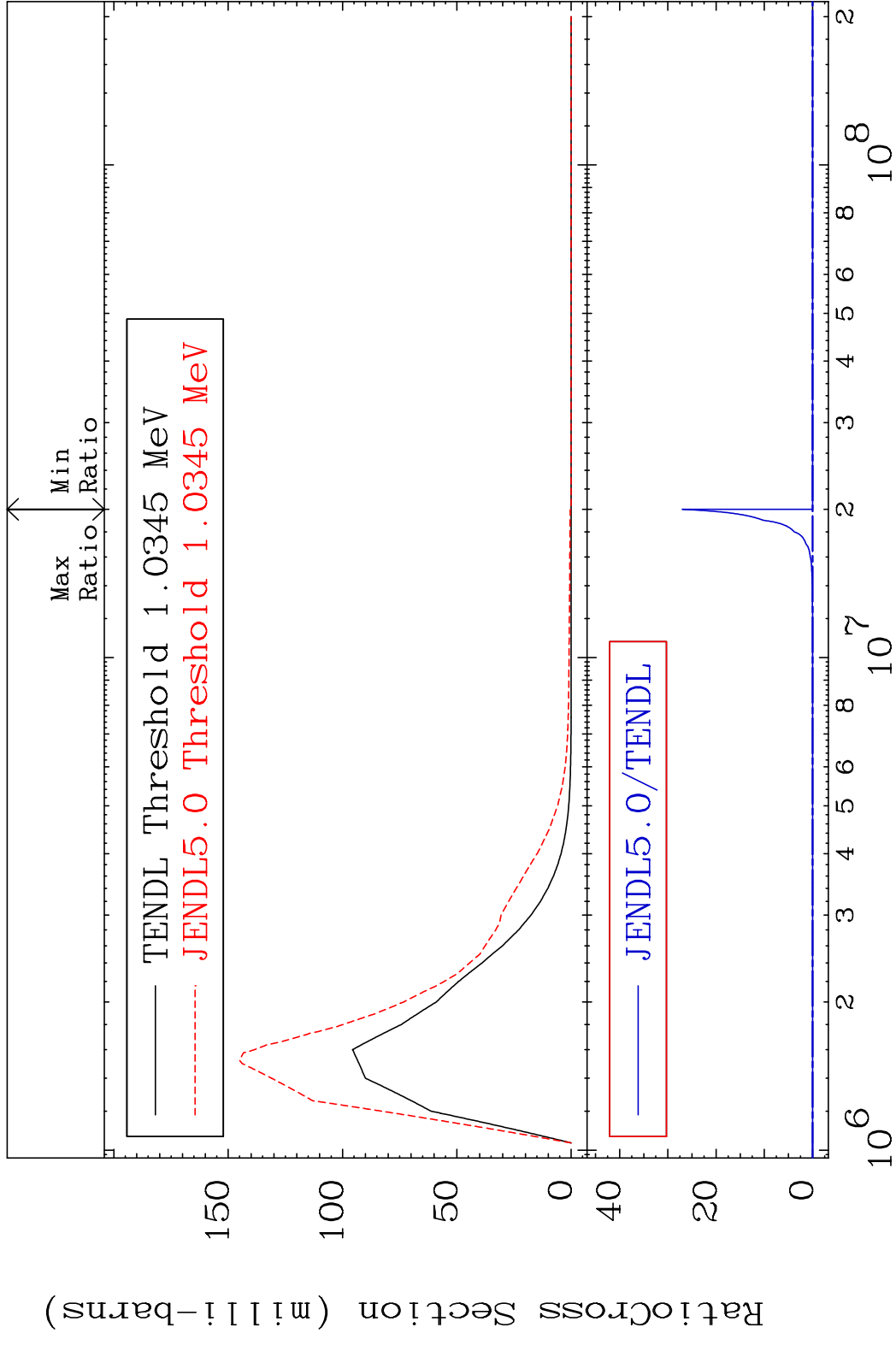


MAT 8037 MT= 52 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 54.65 %



12

MAT 8037 MT= 53 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

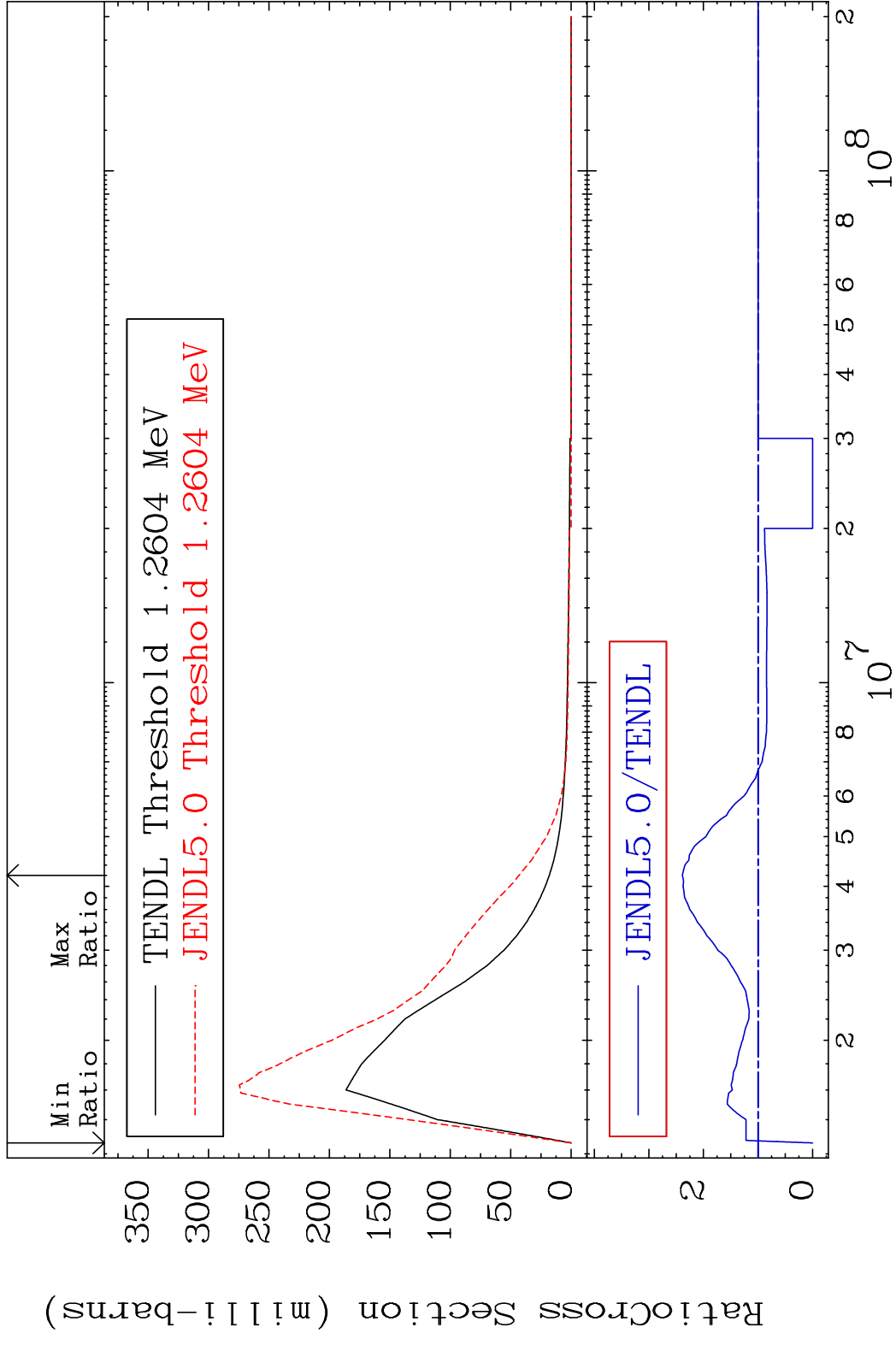


13

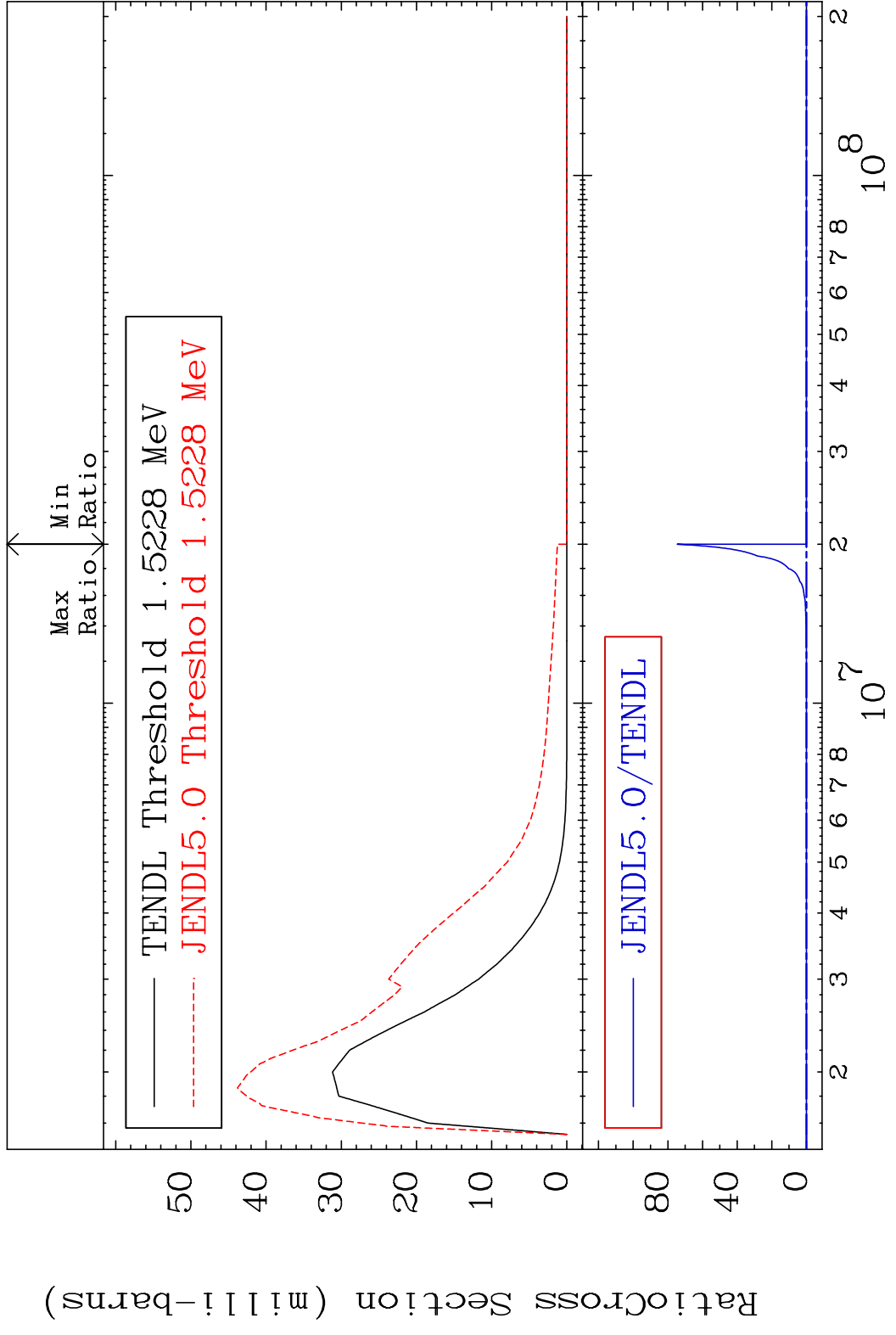
Incident Energy (eV)

80-Hg-200

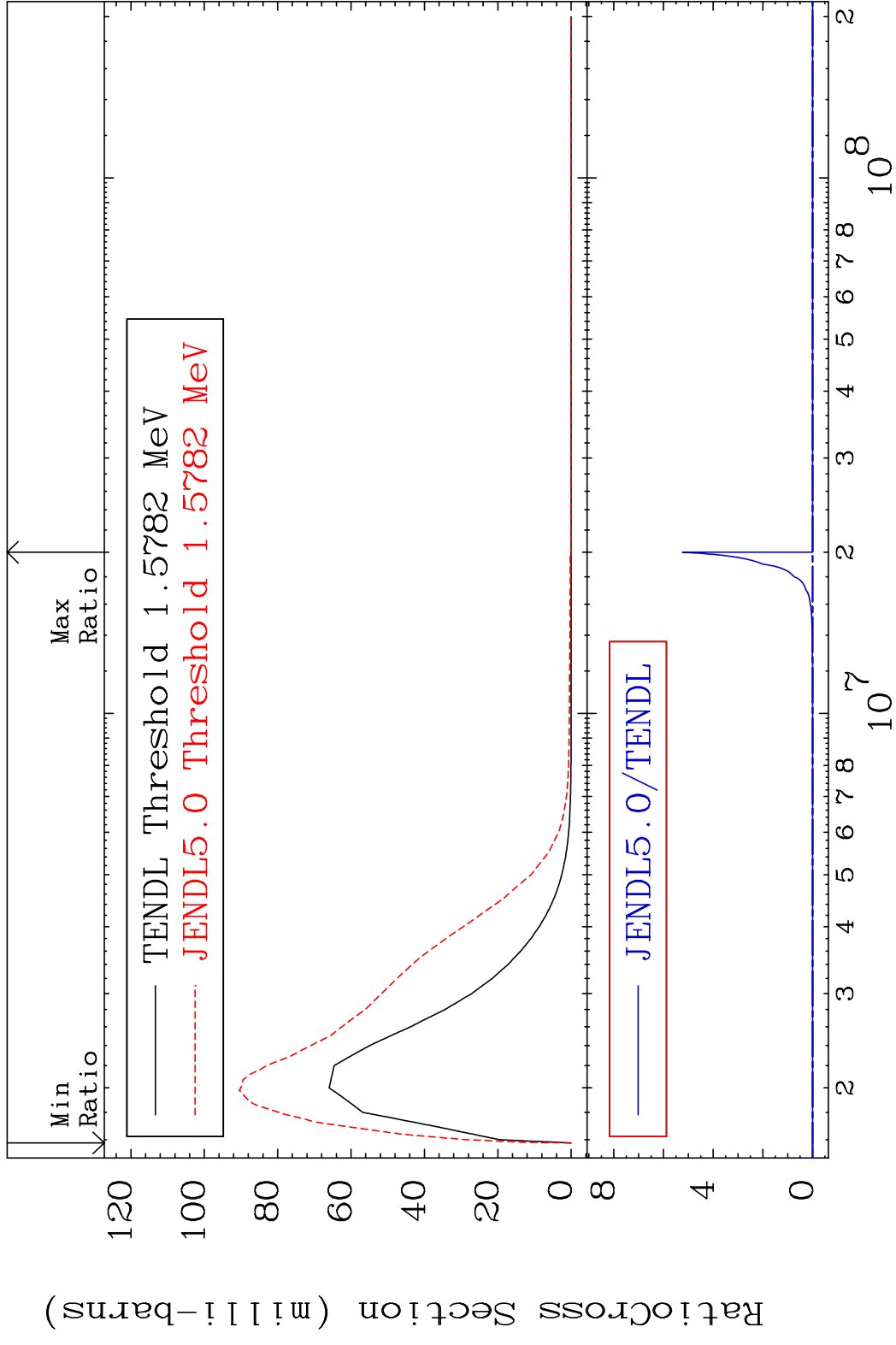
MAT 8037 MT= 54 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 138.7 %



MAT 8037 MT= 55 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

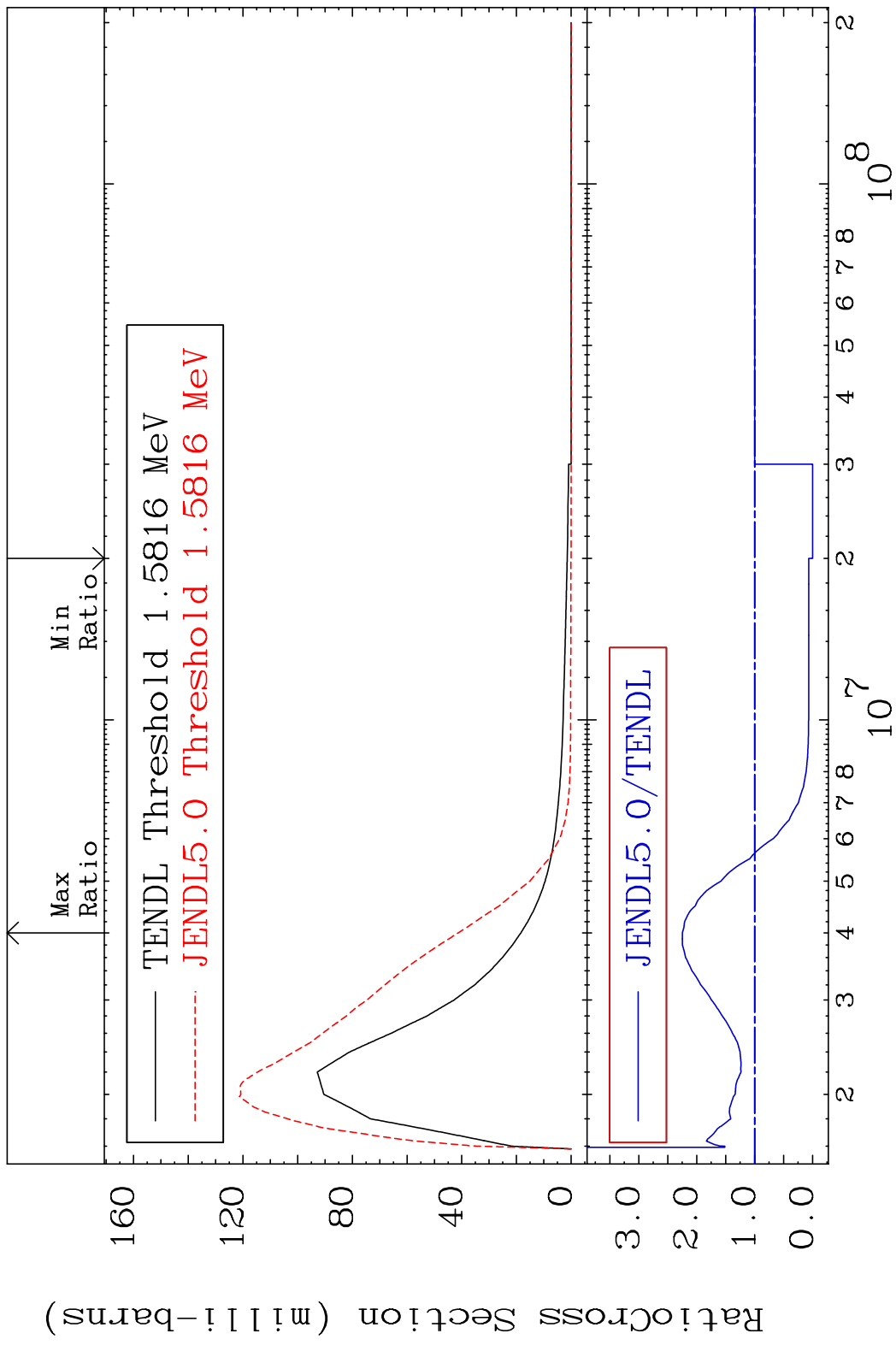


MAT 8037 MT= 56 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

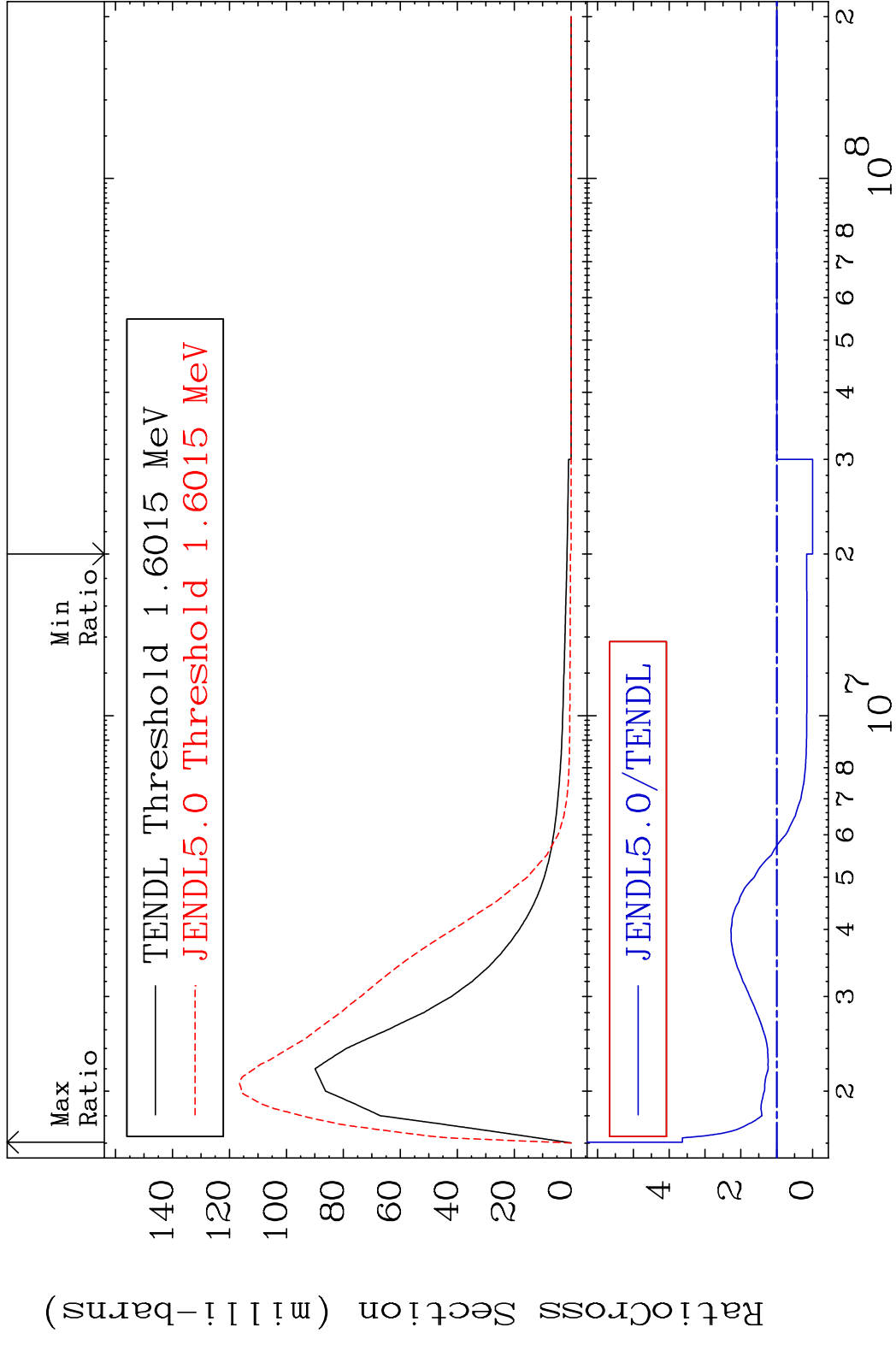


16 Incident Energy (eV) 80-Hg-200

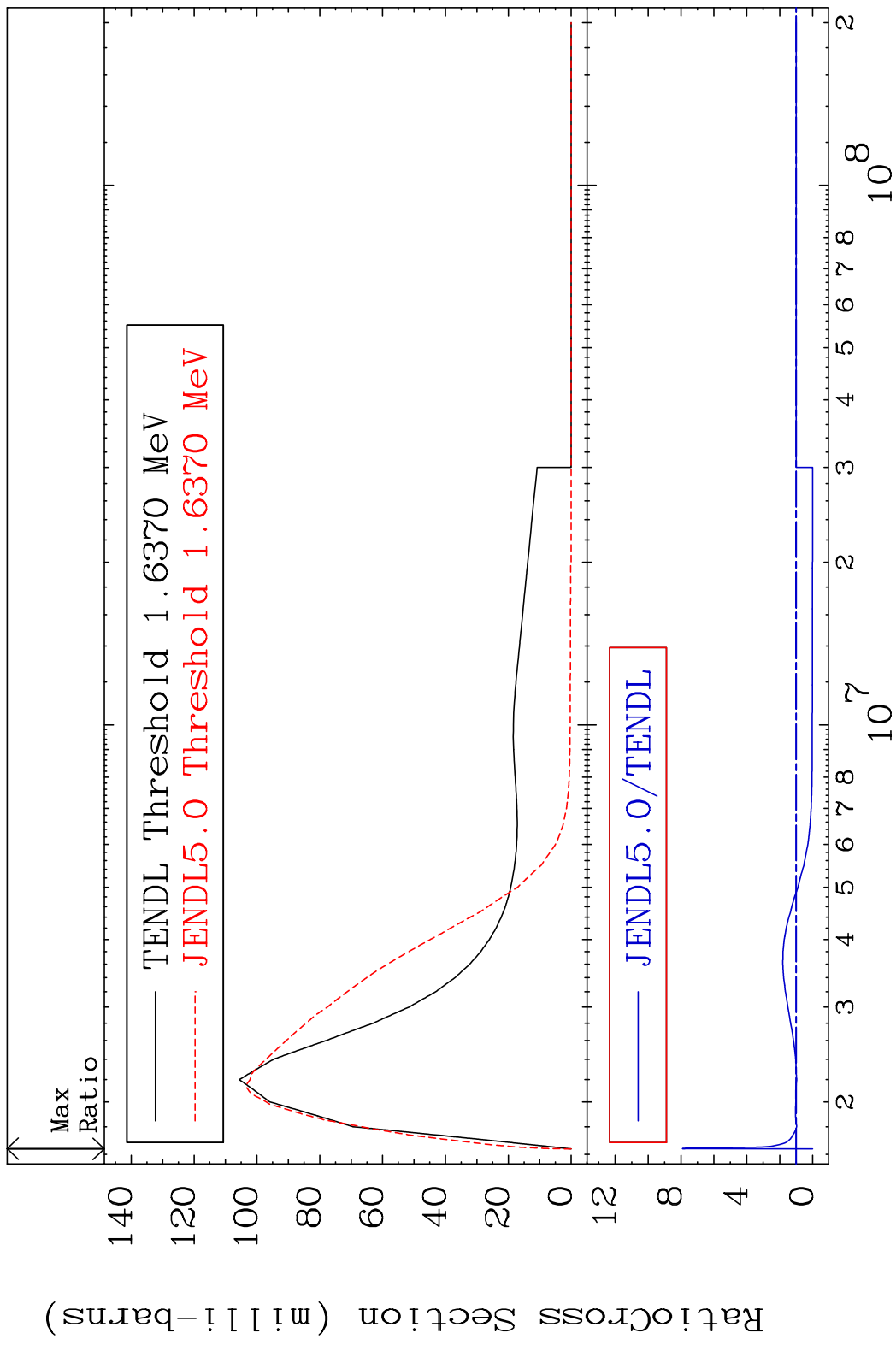
MAT 8037 MT= 57 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 124.7 %



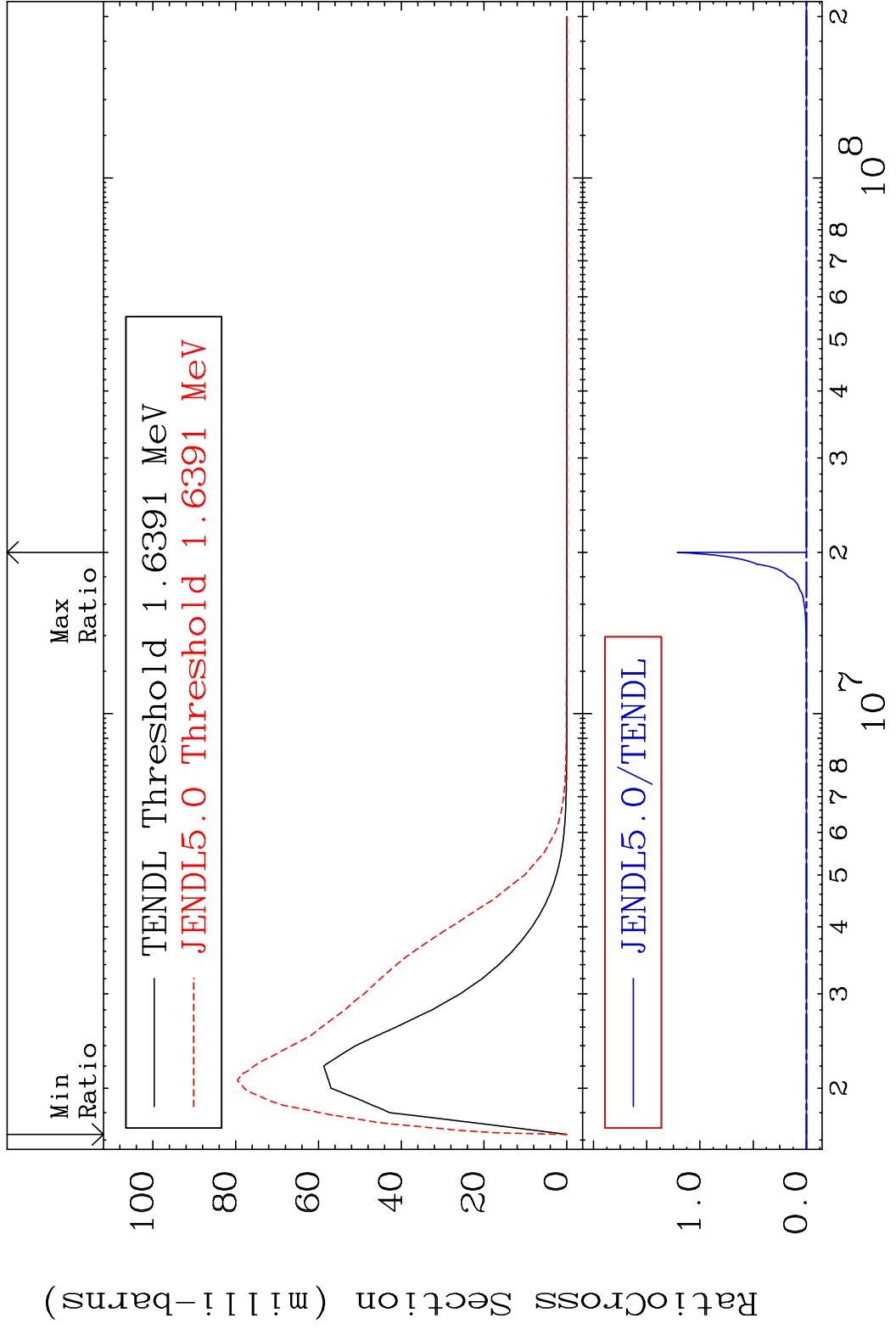
MAT 8037 MT= 58 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 263.3 %



MAT 8037 MT= 59 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 691.7 %

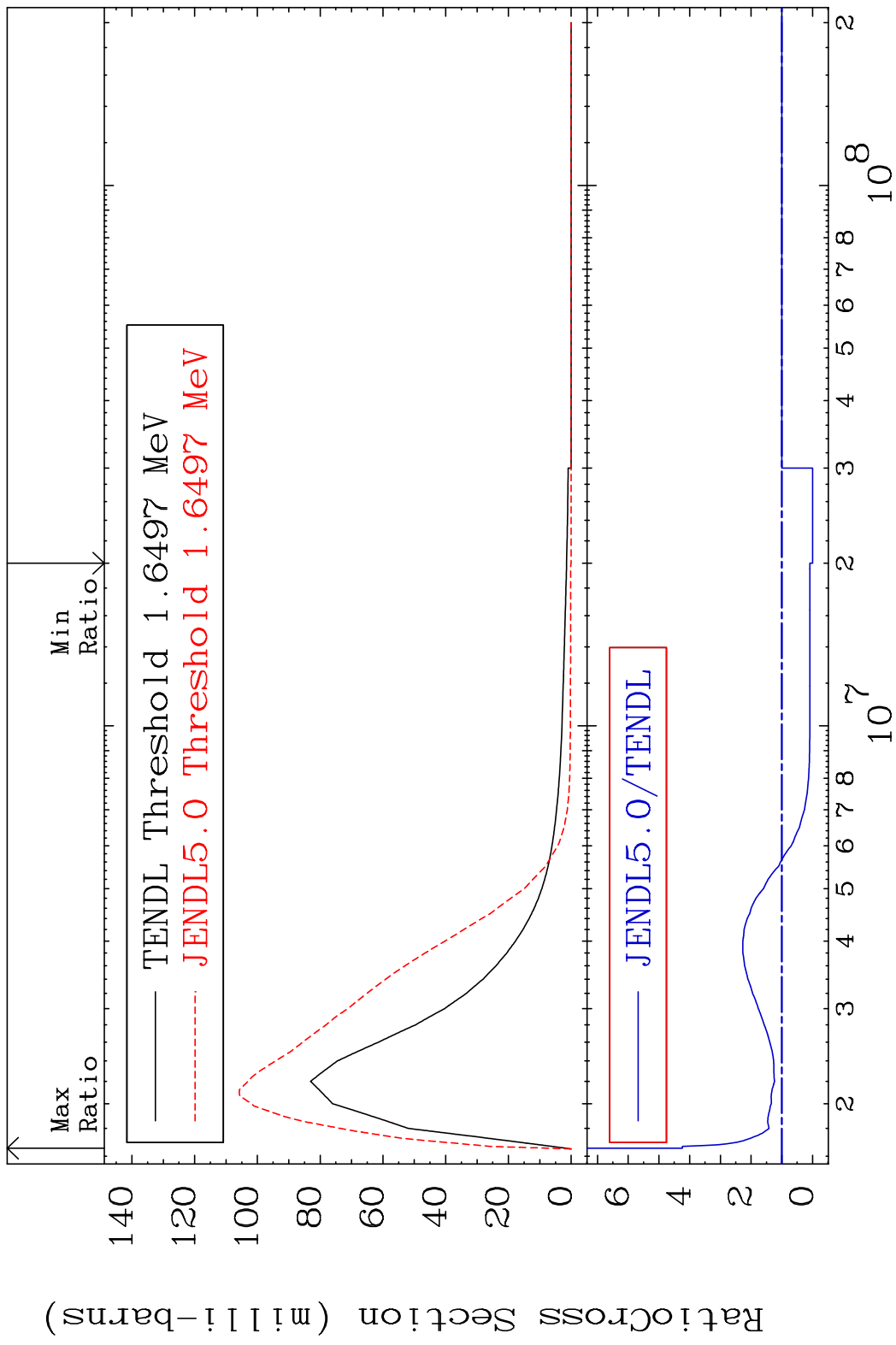


MAT 8037 MT= 60 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

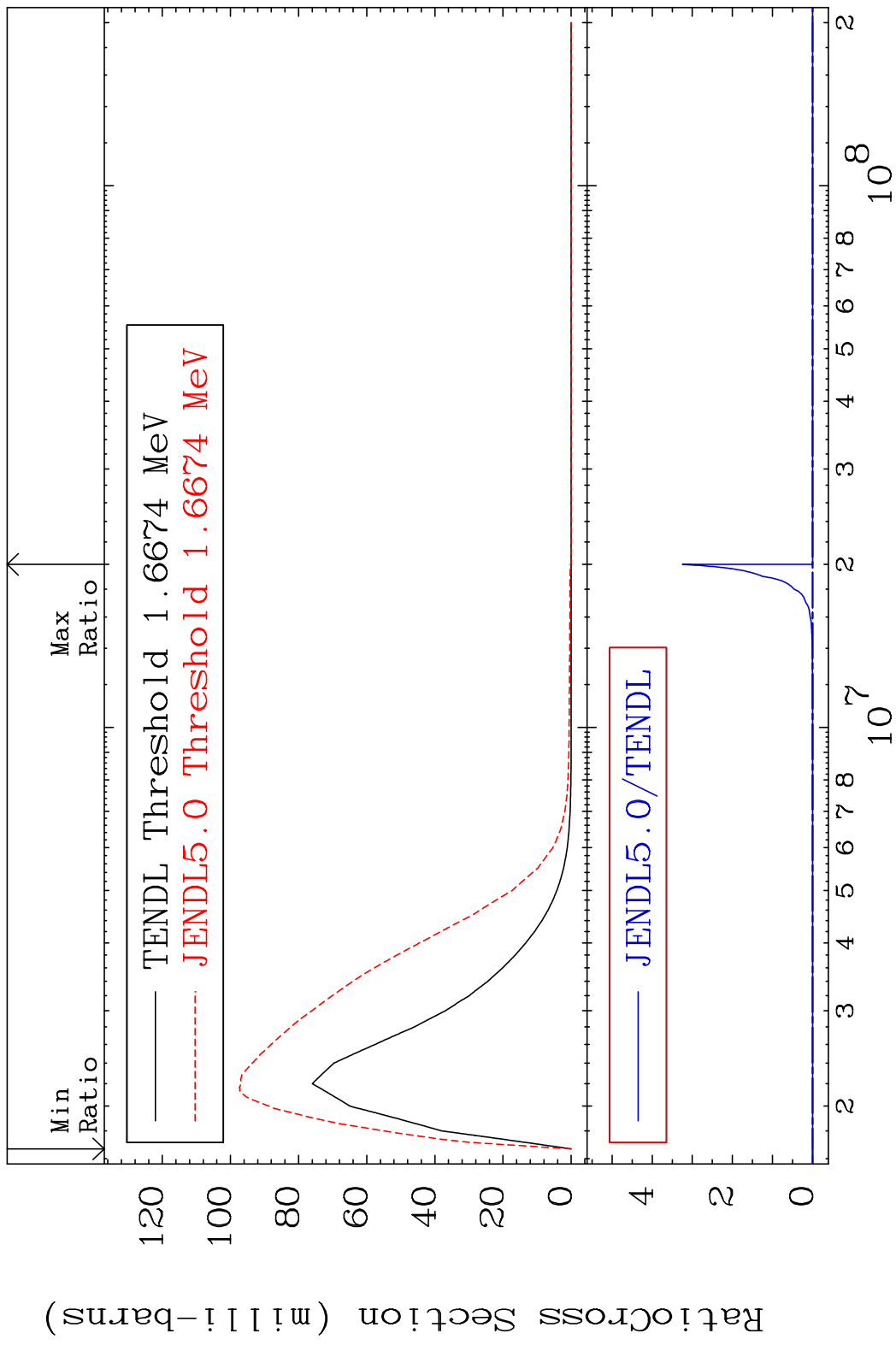


20 Incident Energy (eV) 80-Hg-200

MAT 8037 MT= 61 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 323.7 %

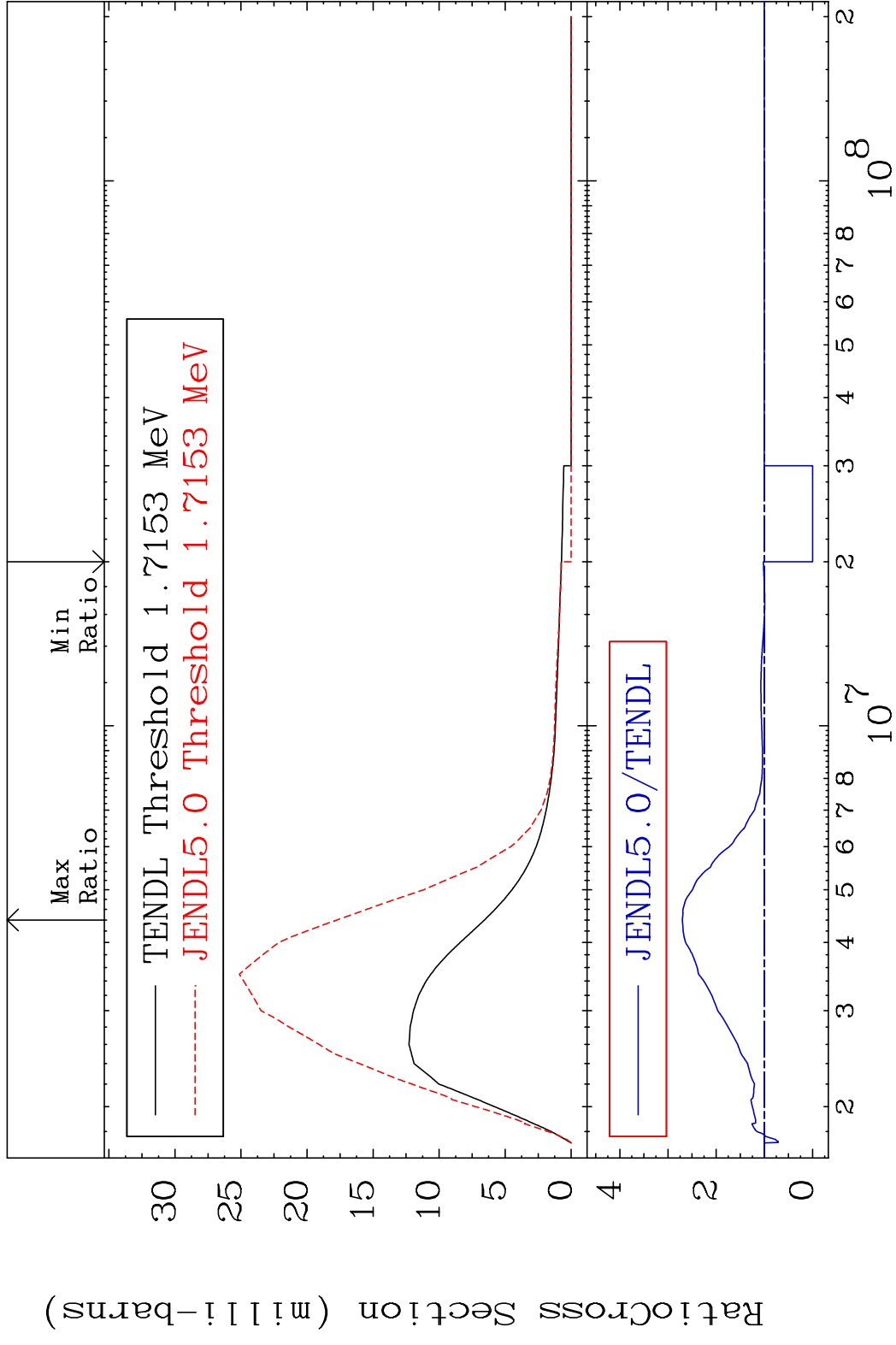


MAT 8037 MT= 62 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

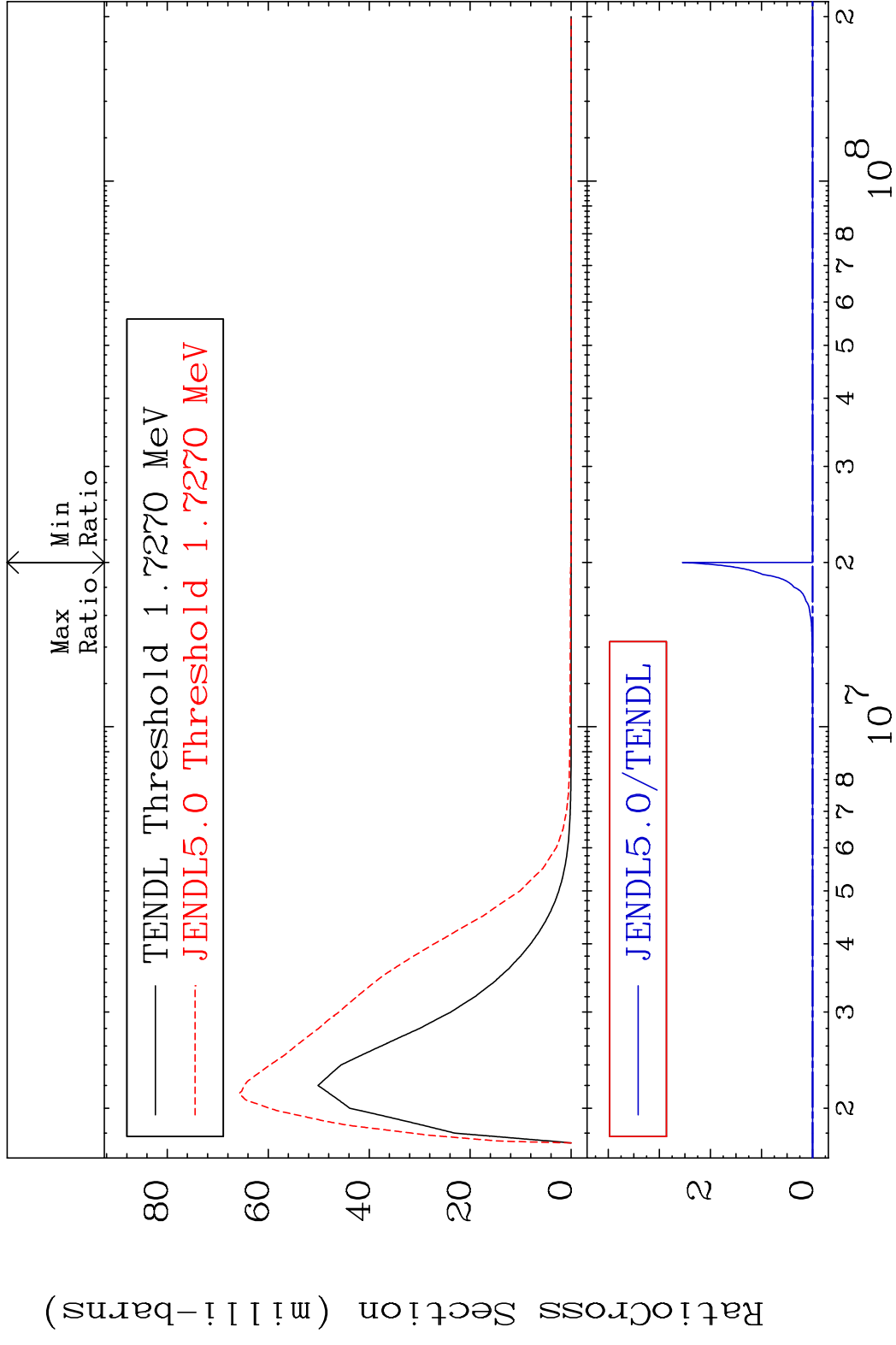


22 Incident Energy (eV) 80-Hg-200

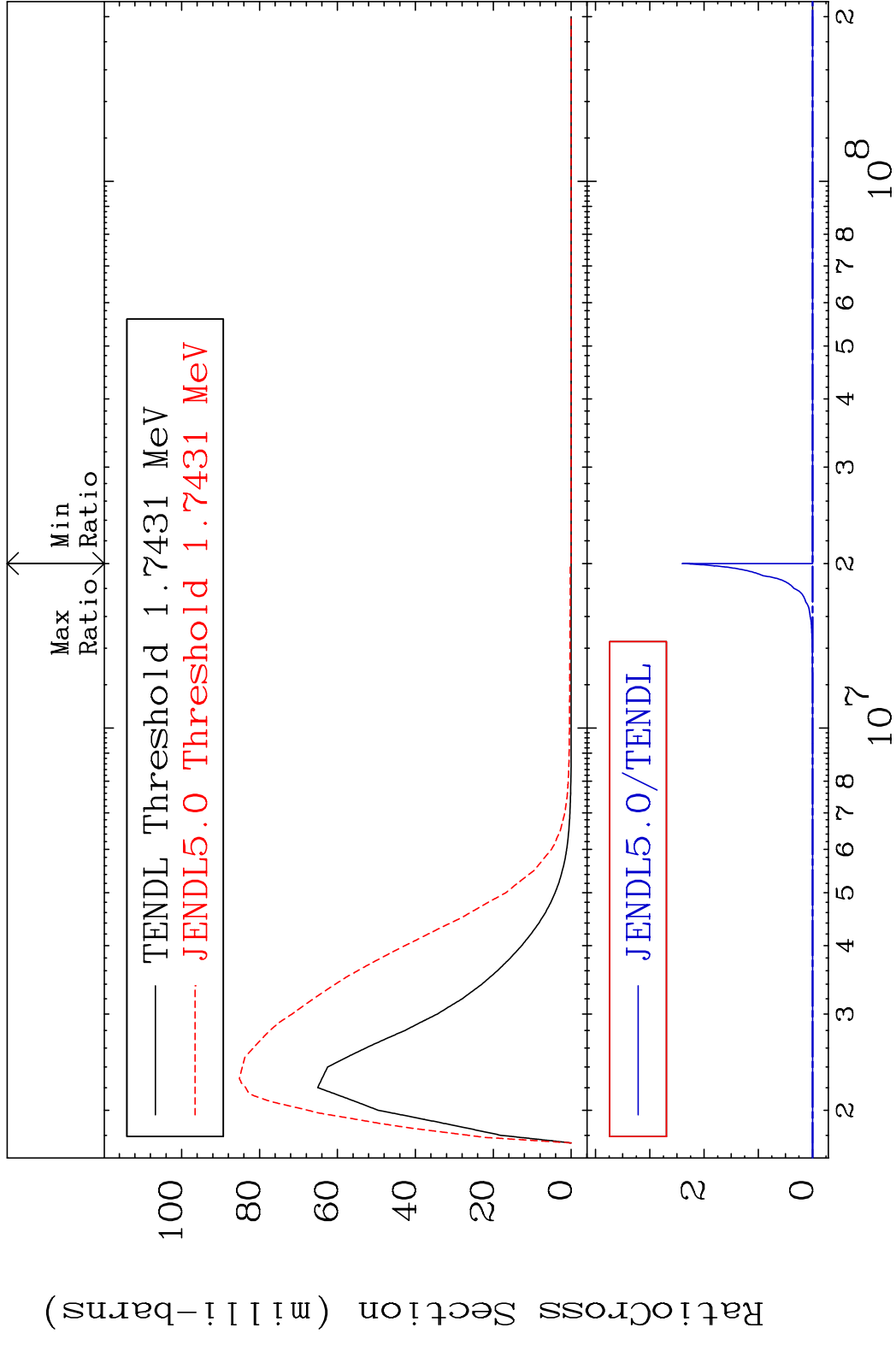
MAT 8037 MT= 63 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 170.2 %



MAT 8037 MT= 64 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

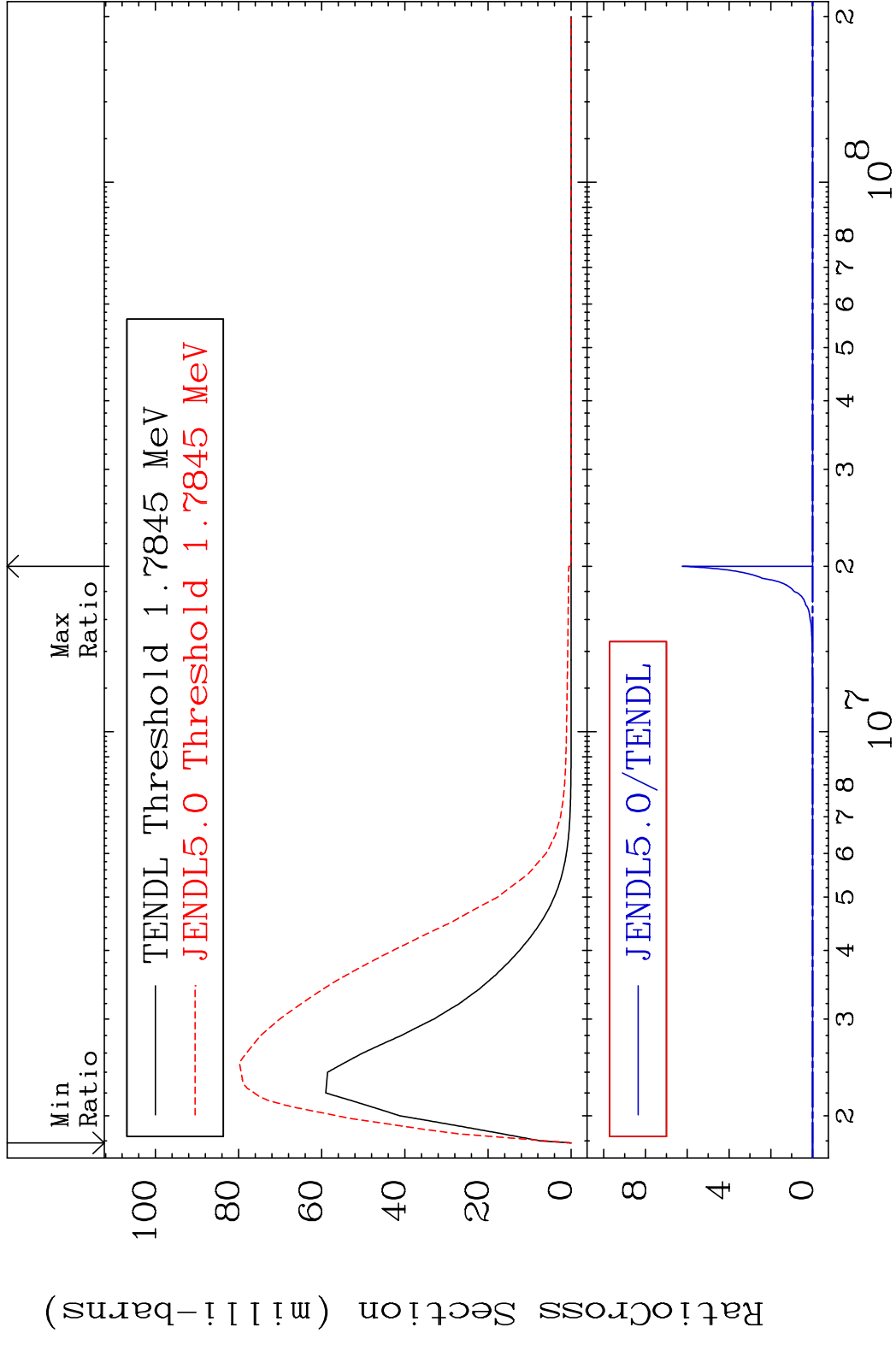


MAT 8037 MT= 66 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

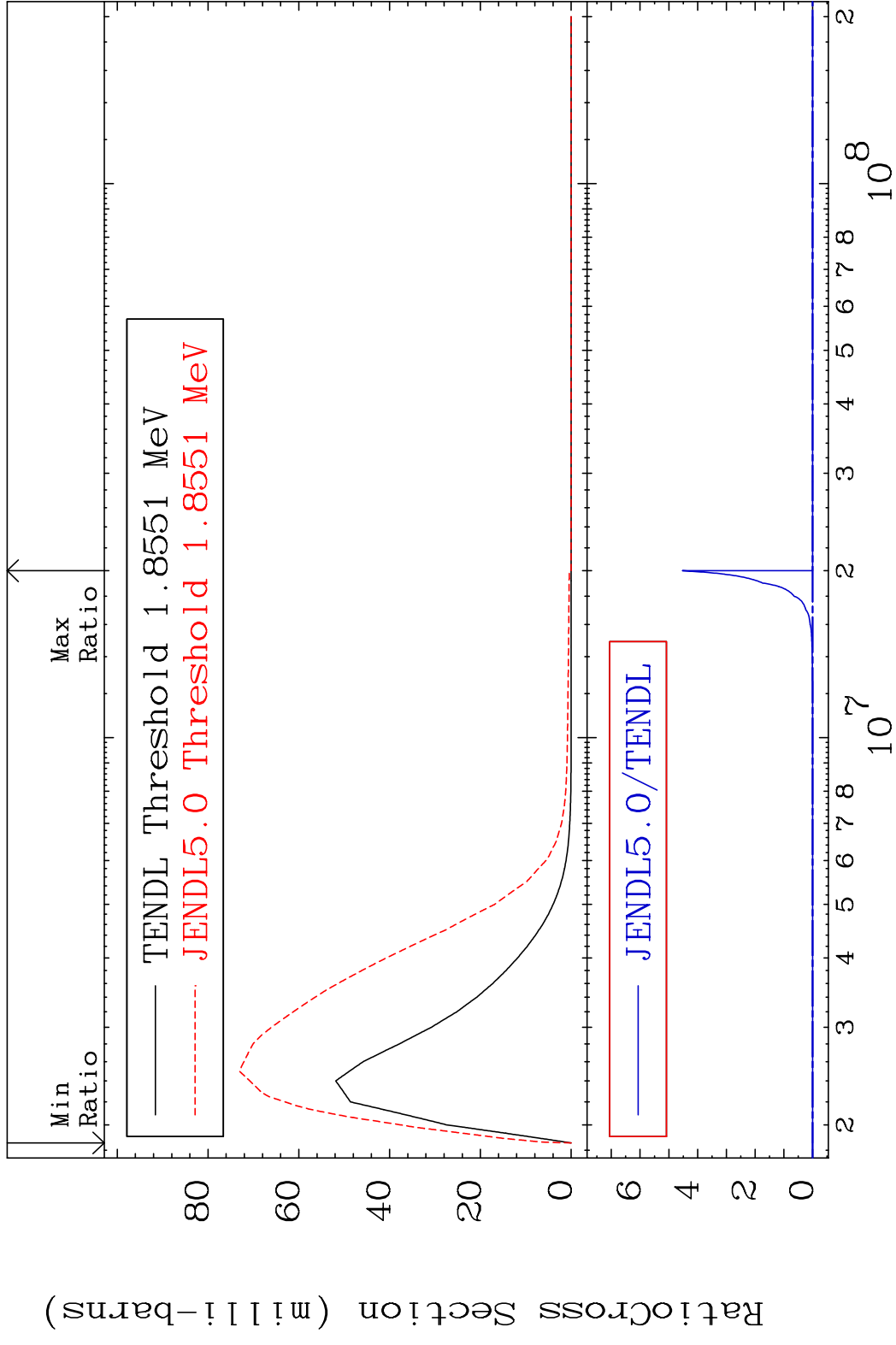


26 Incident Energy (eV) 80-Hg-200

MAT 8037 MT= 67 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

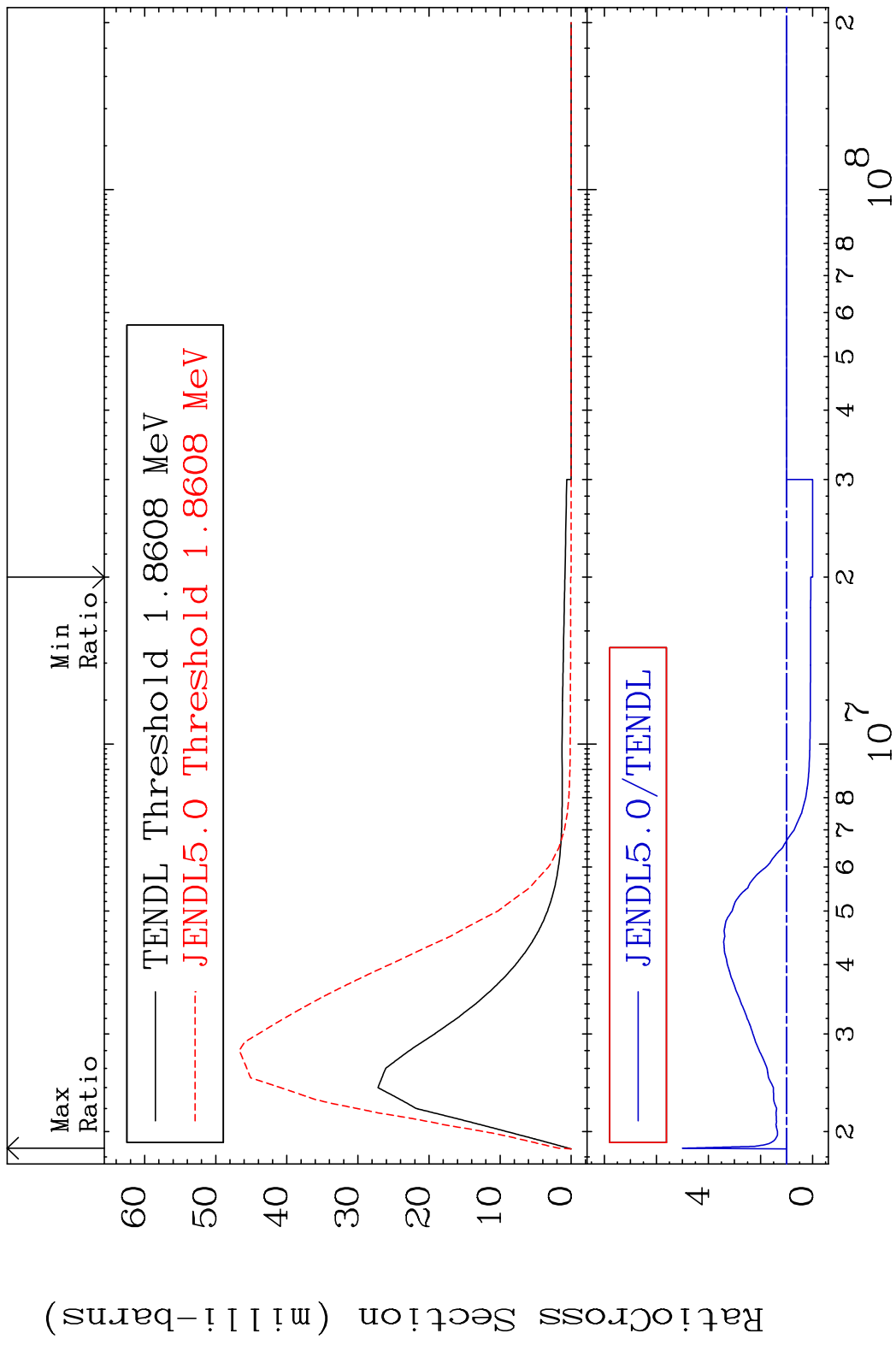


MAT 8037 MT= 68 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

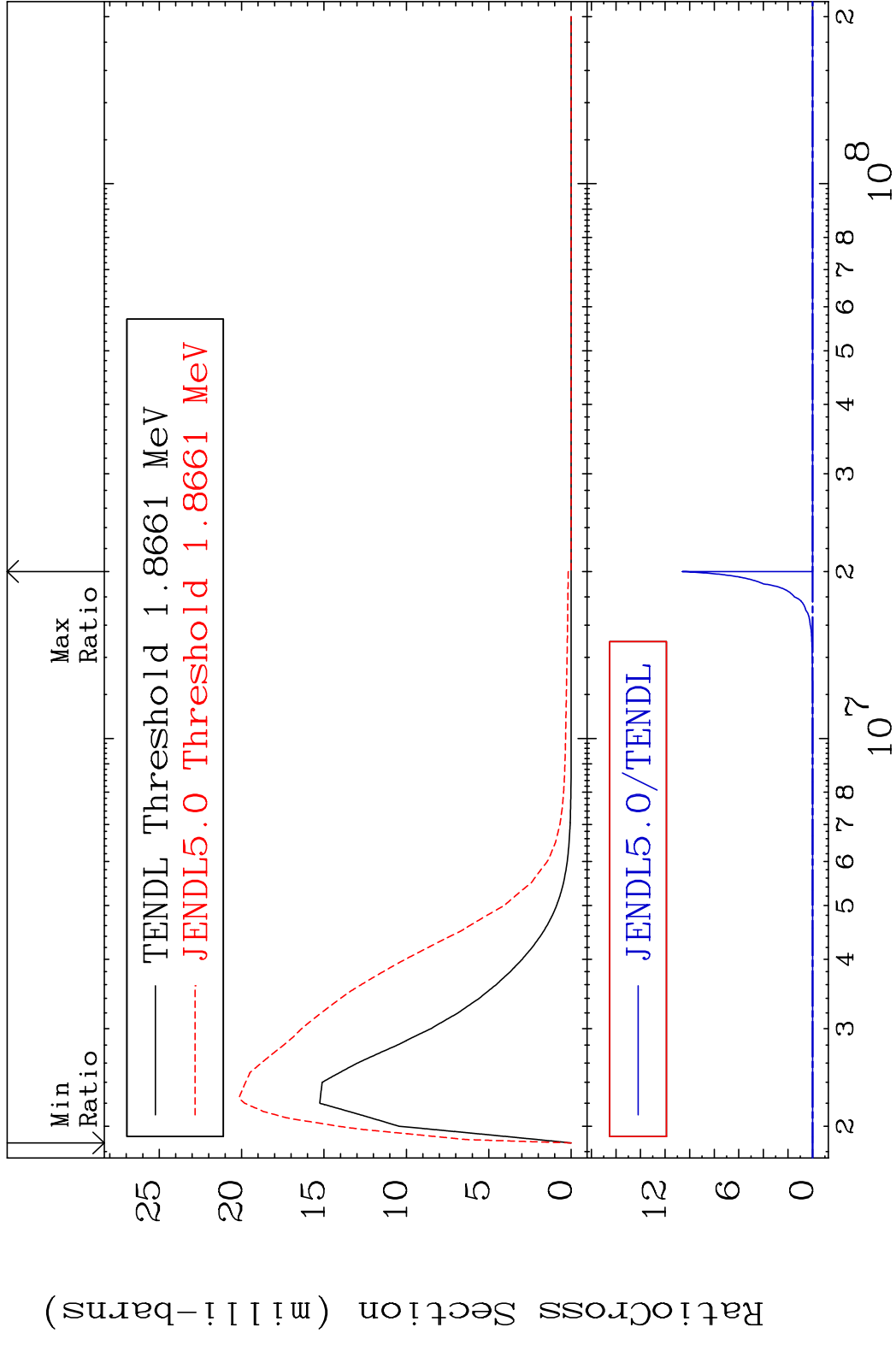


28 Incident Energy (eV) 80-Hg-200

MAT 8037 MT= 69 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 400.3 %

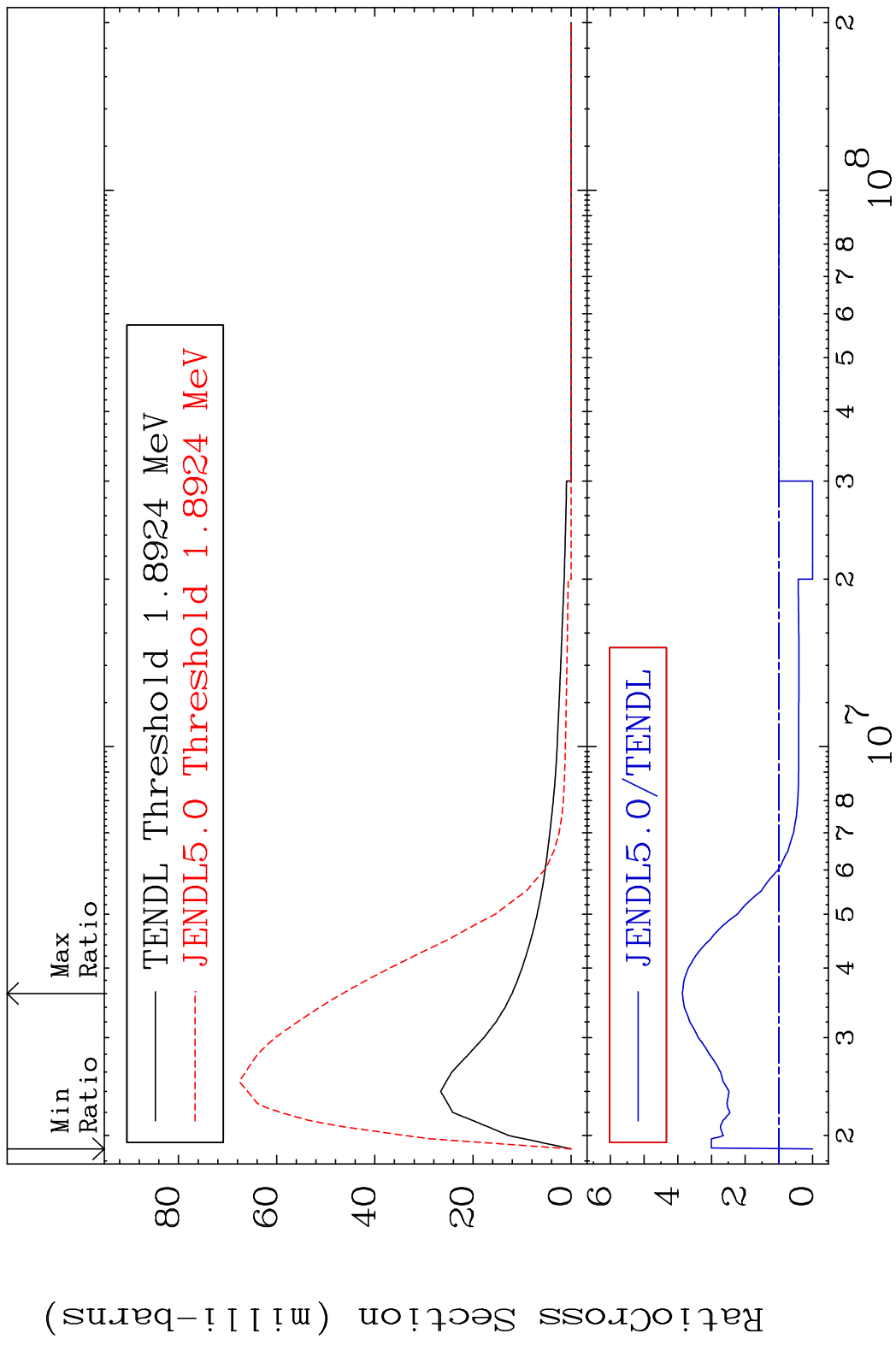


MAT 8037 MT= 70 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

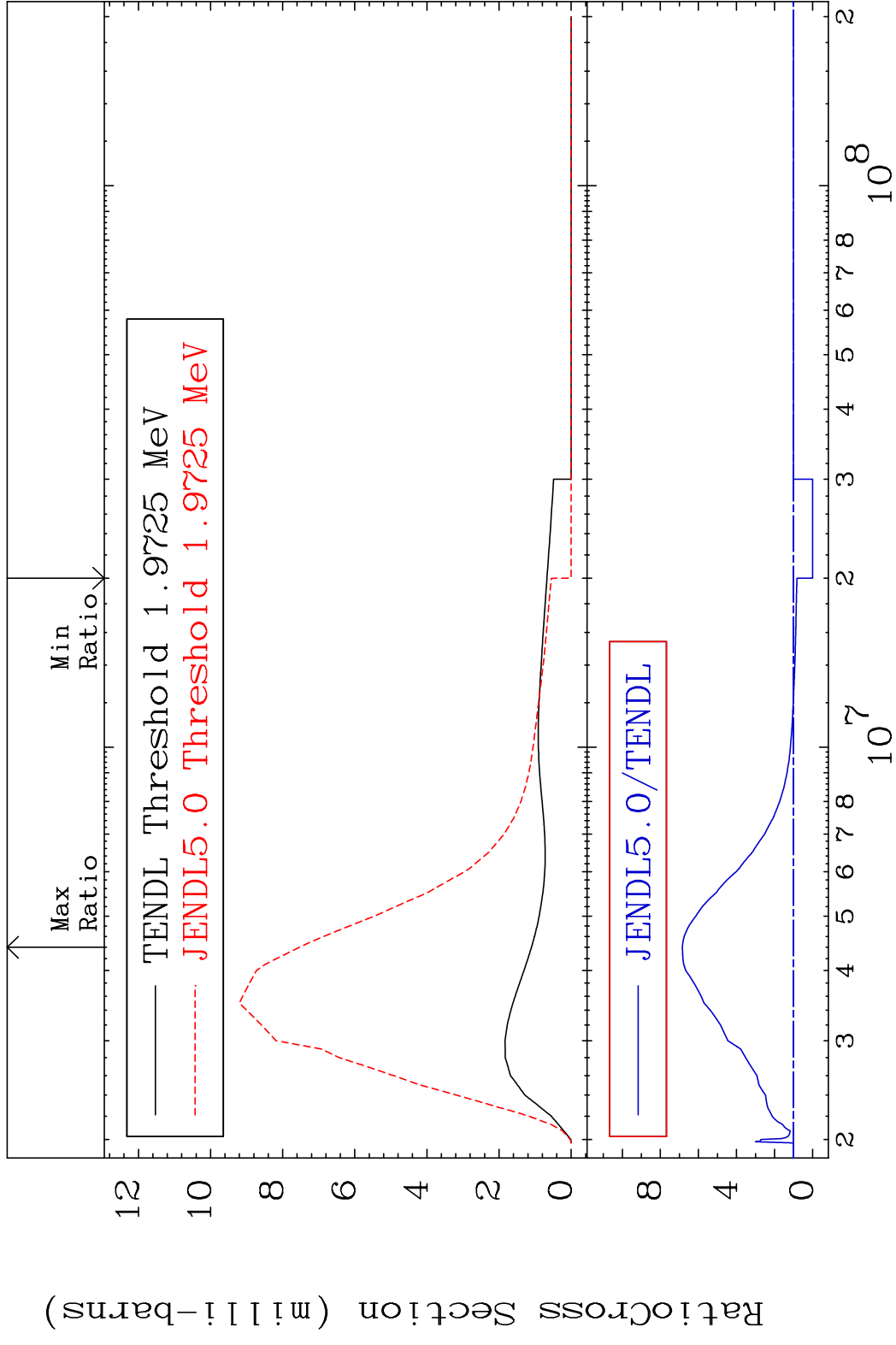


30 Incident Energy (eV) 80-Hg-200

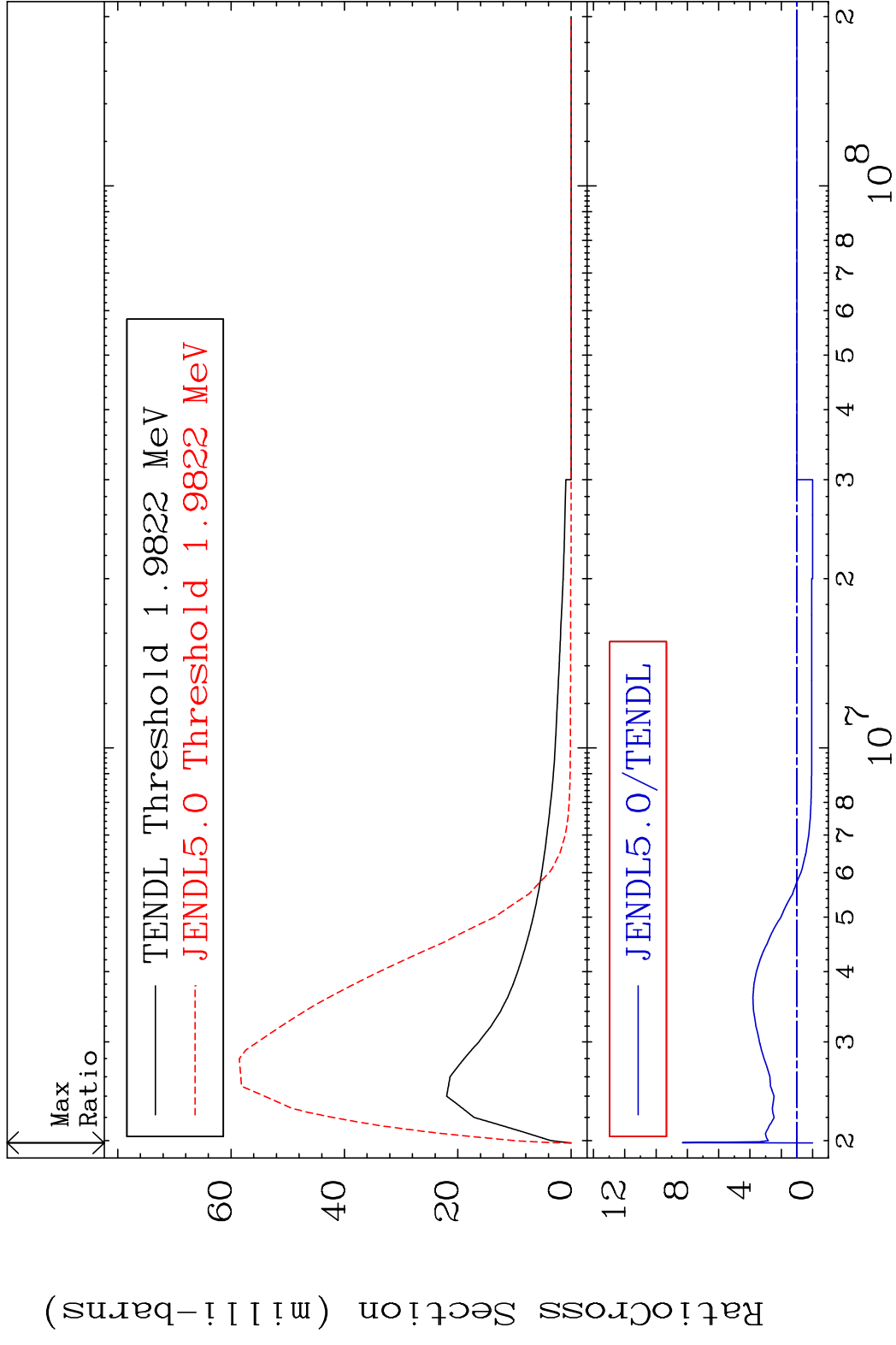
MAT 8037 MT= 71 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 286.4 %



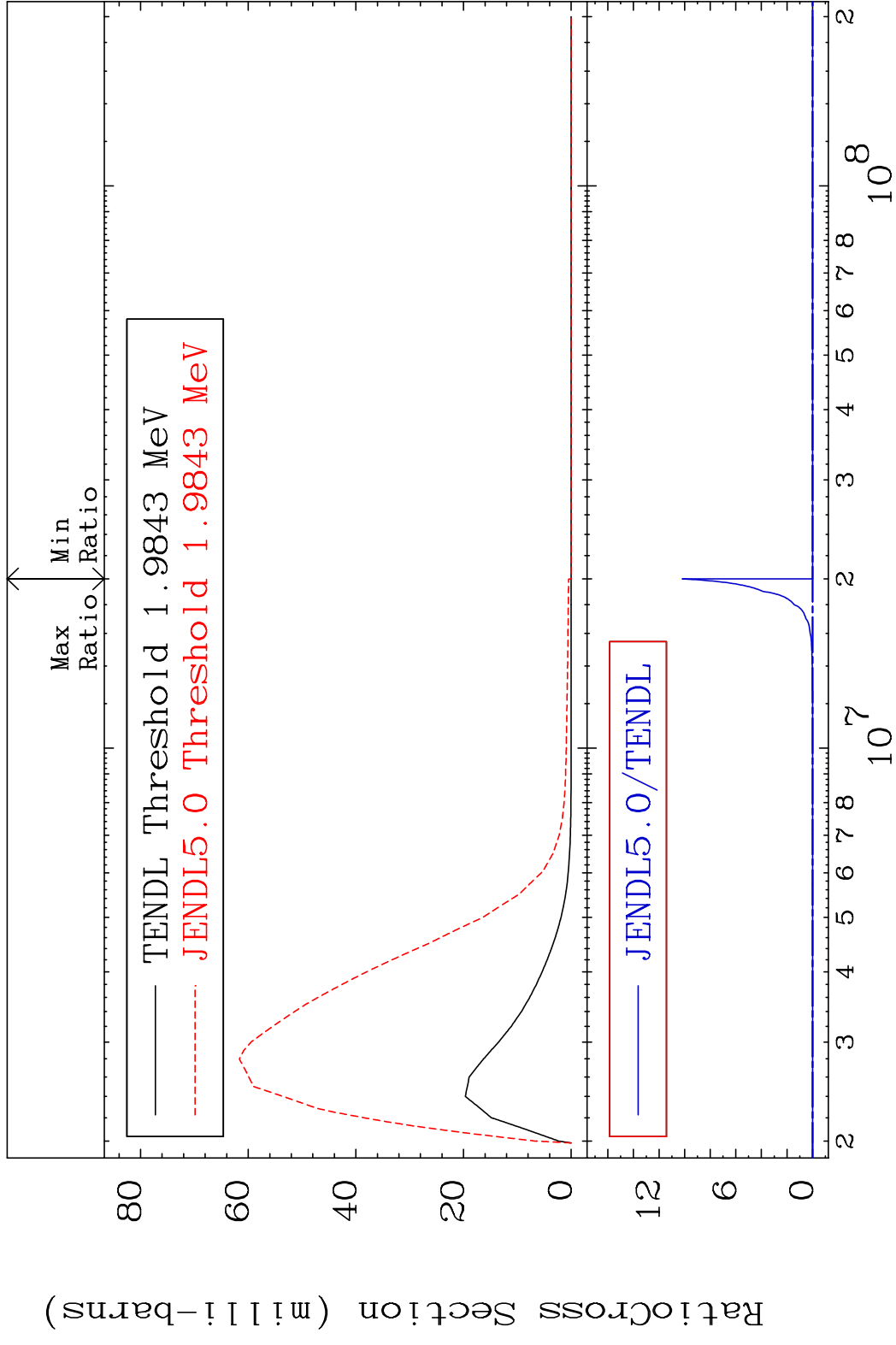
MAT 8037 MT= 72 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 584.4 %



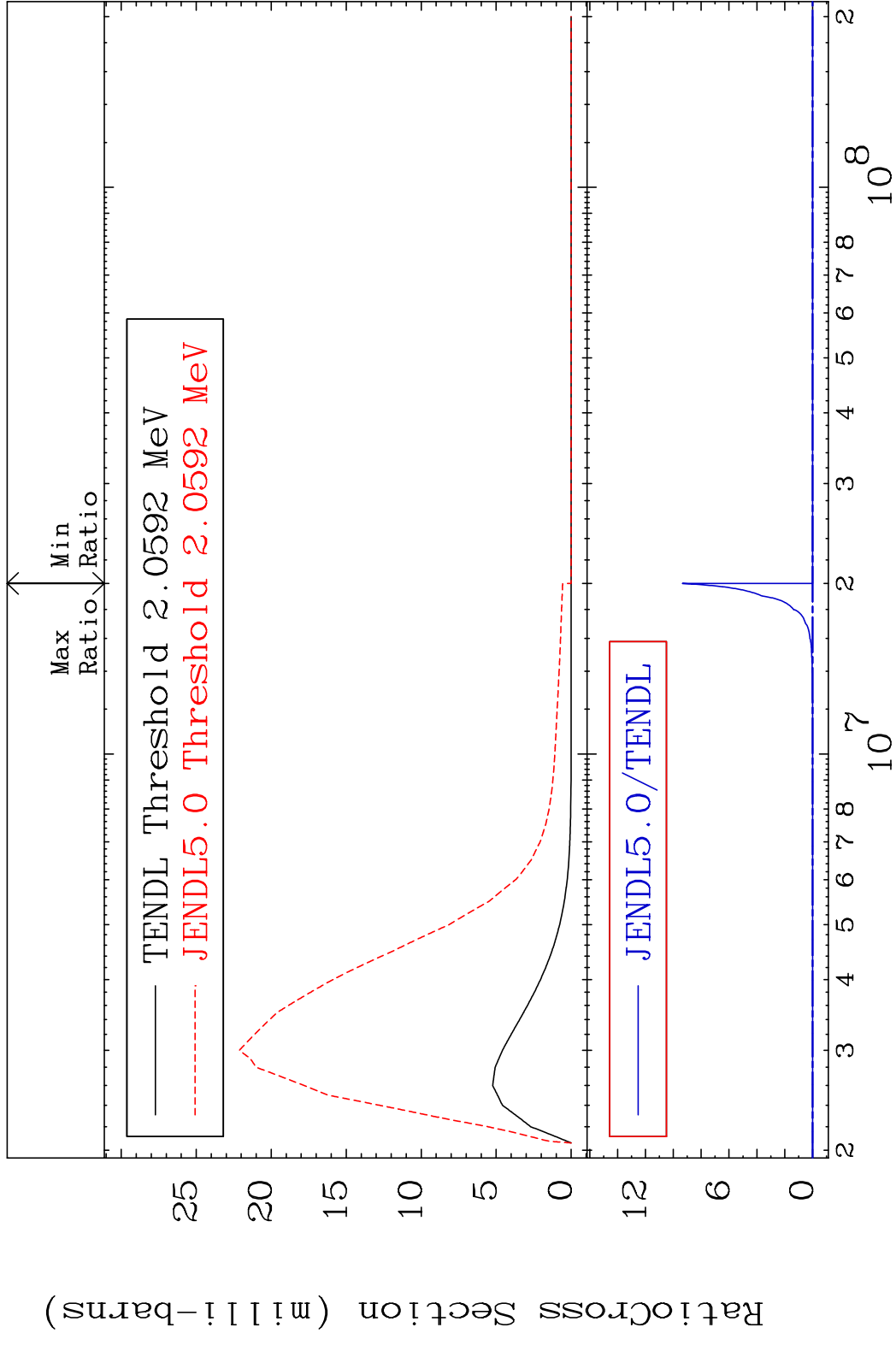
MAT 8037 MT= 73 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 732.1 %



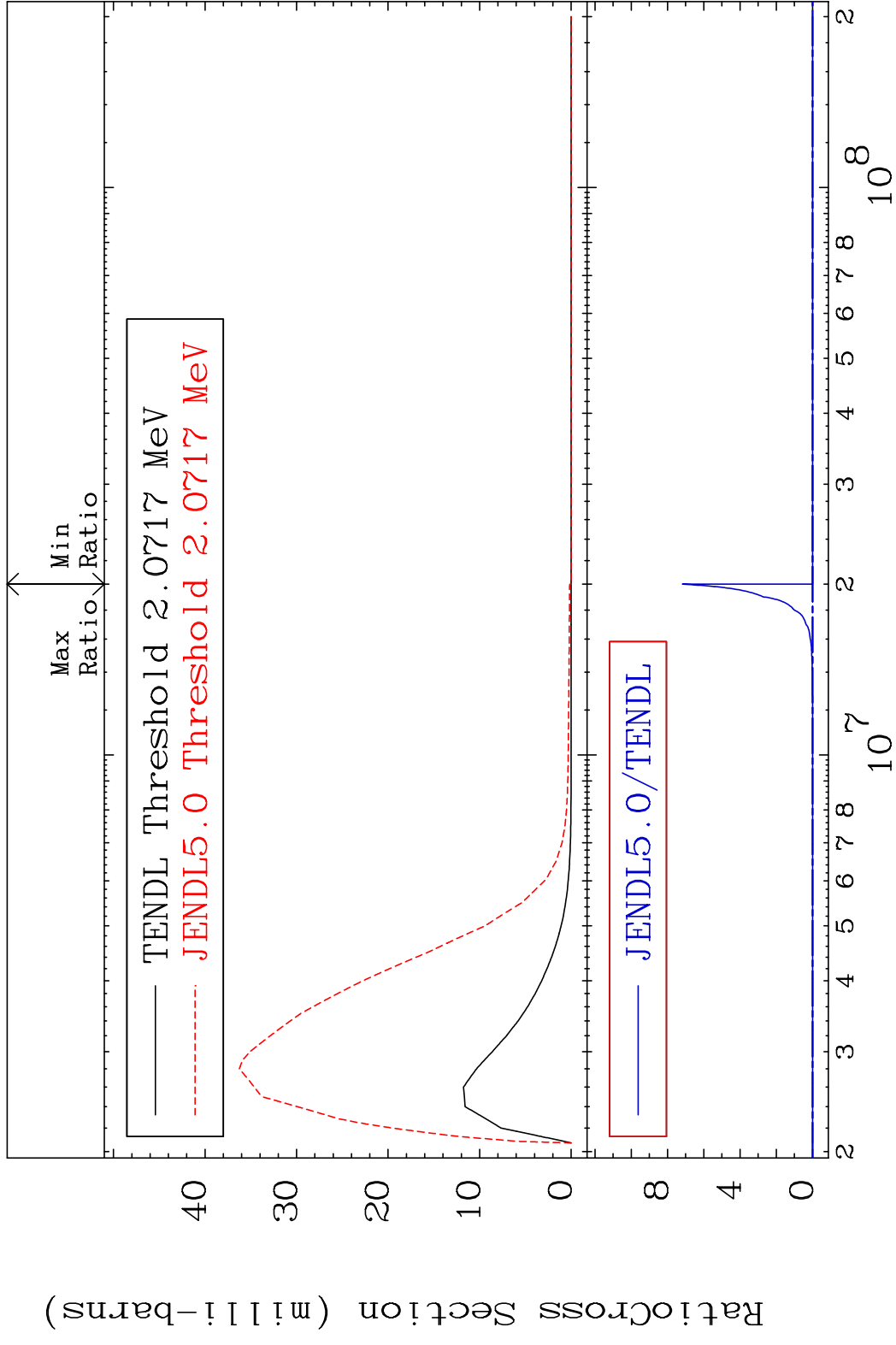
MAT 8037 MT= 74 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %



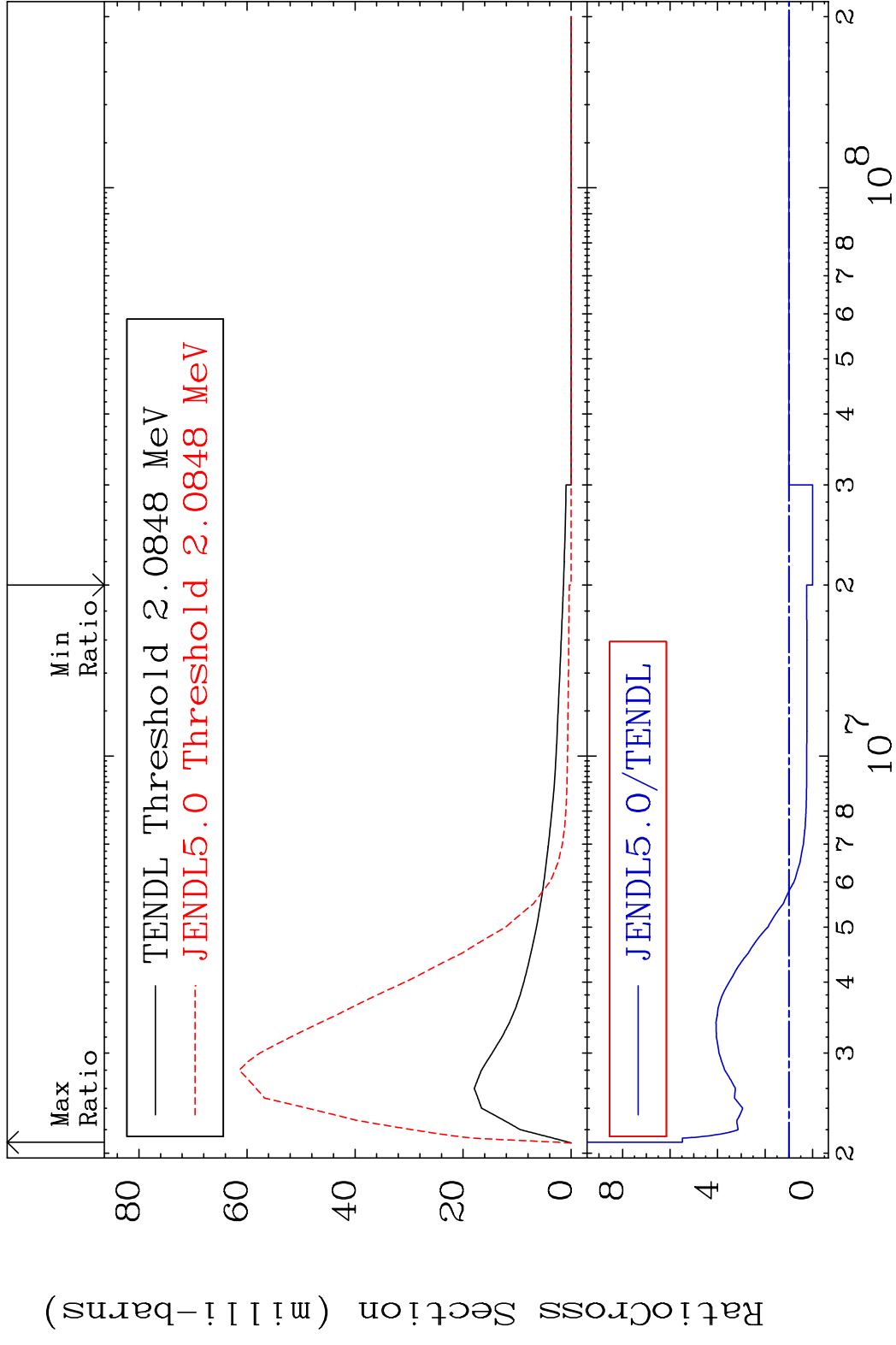
MAT 8037 MT= 75 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %



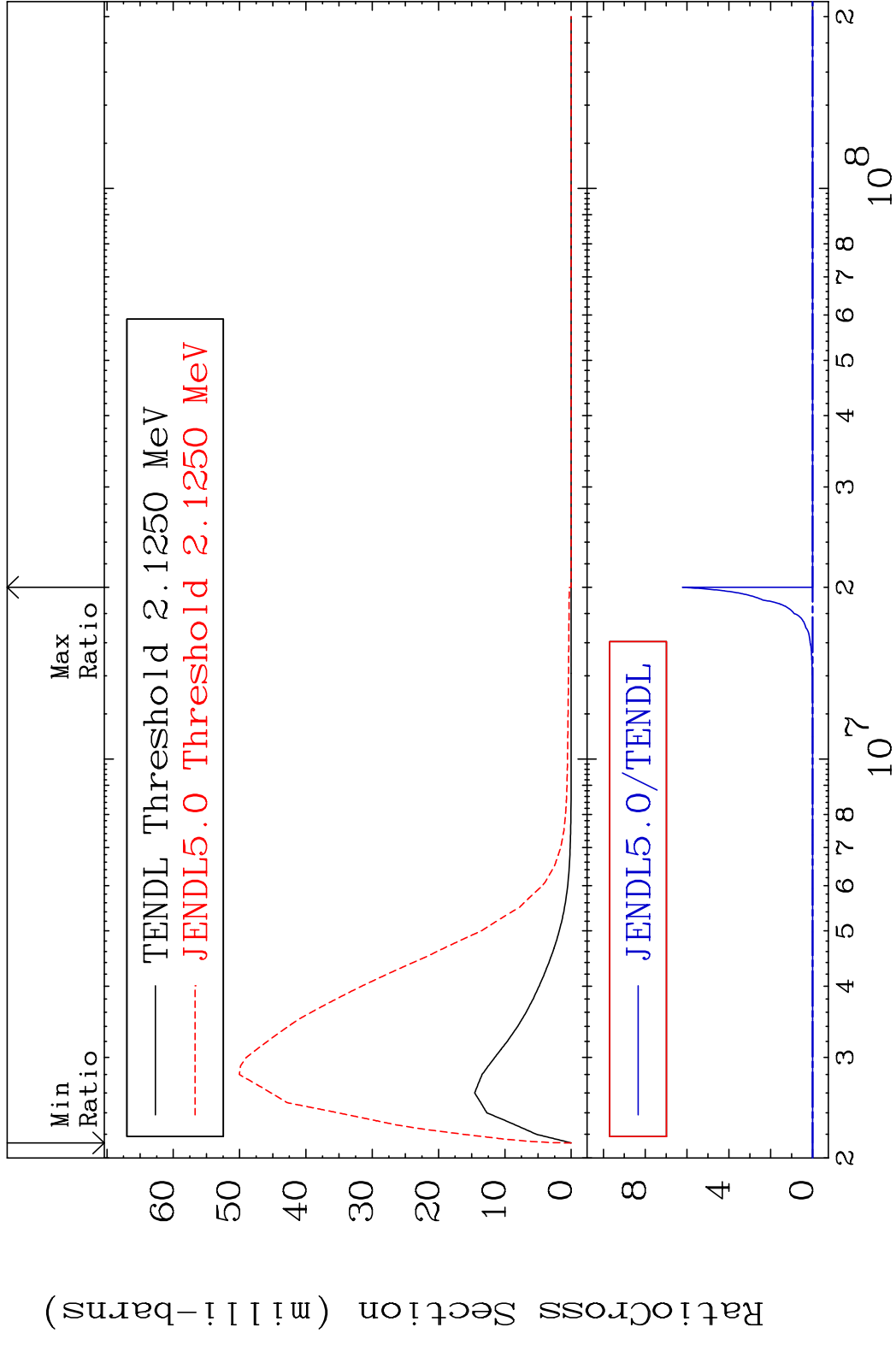
MAT 8037 MT= 76 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %



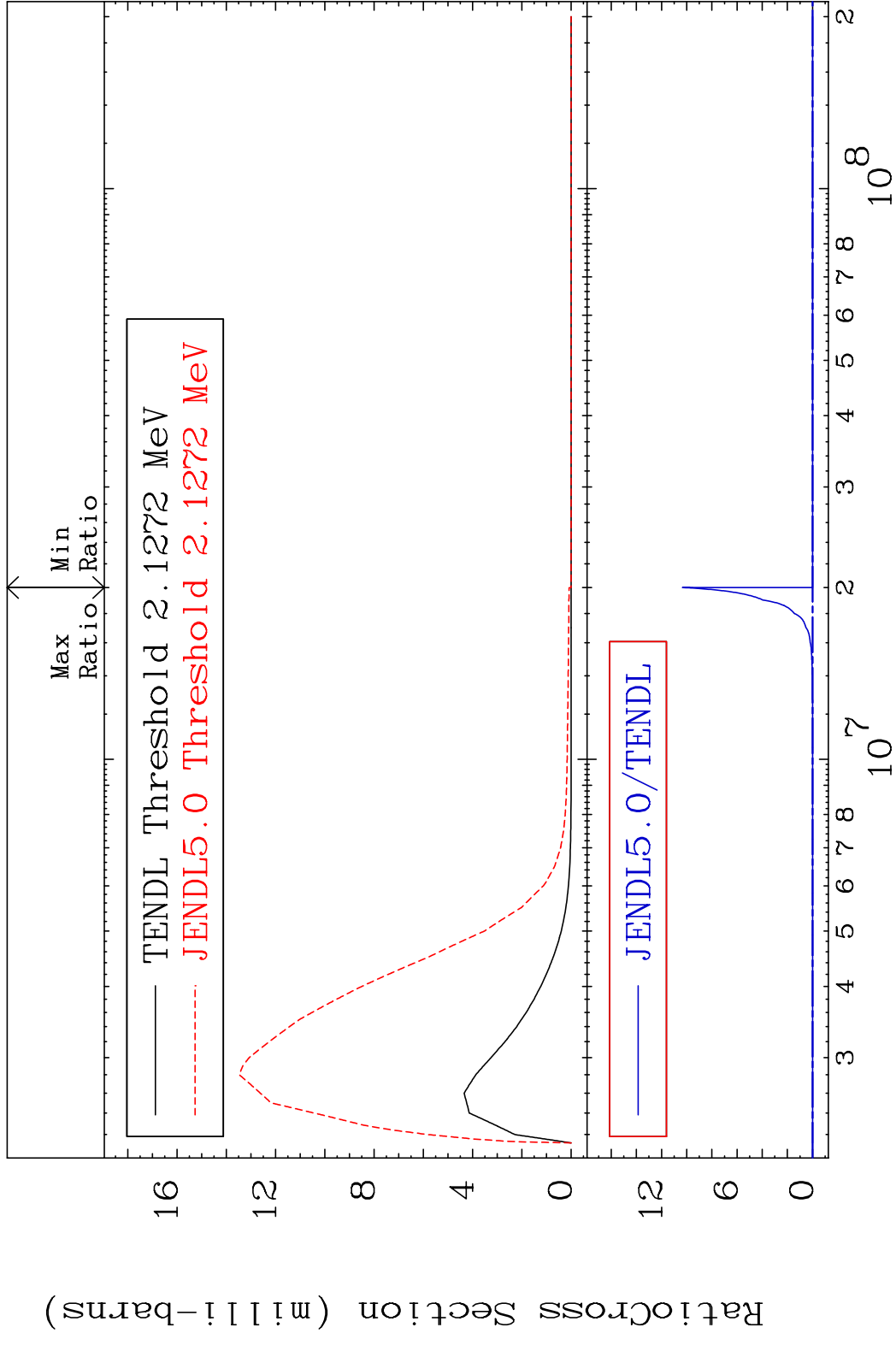
MAT 8037 MT= 77 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 448.4 %



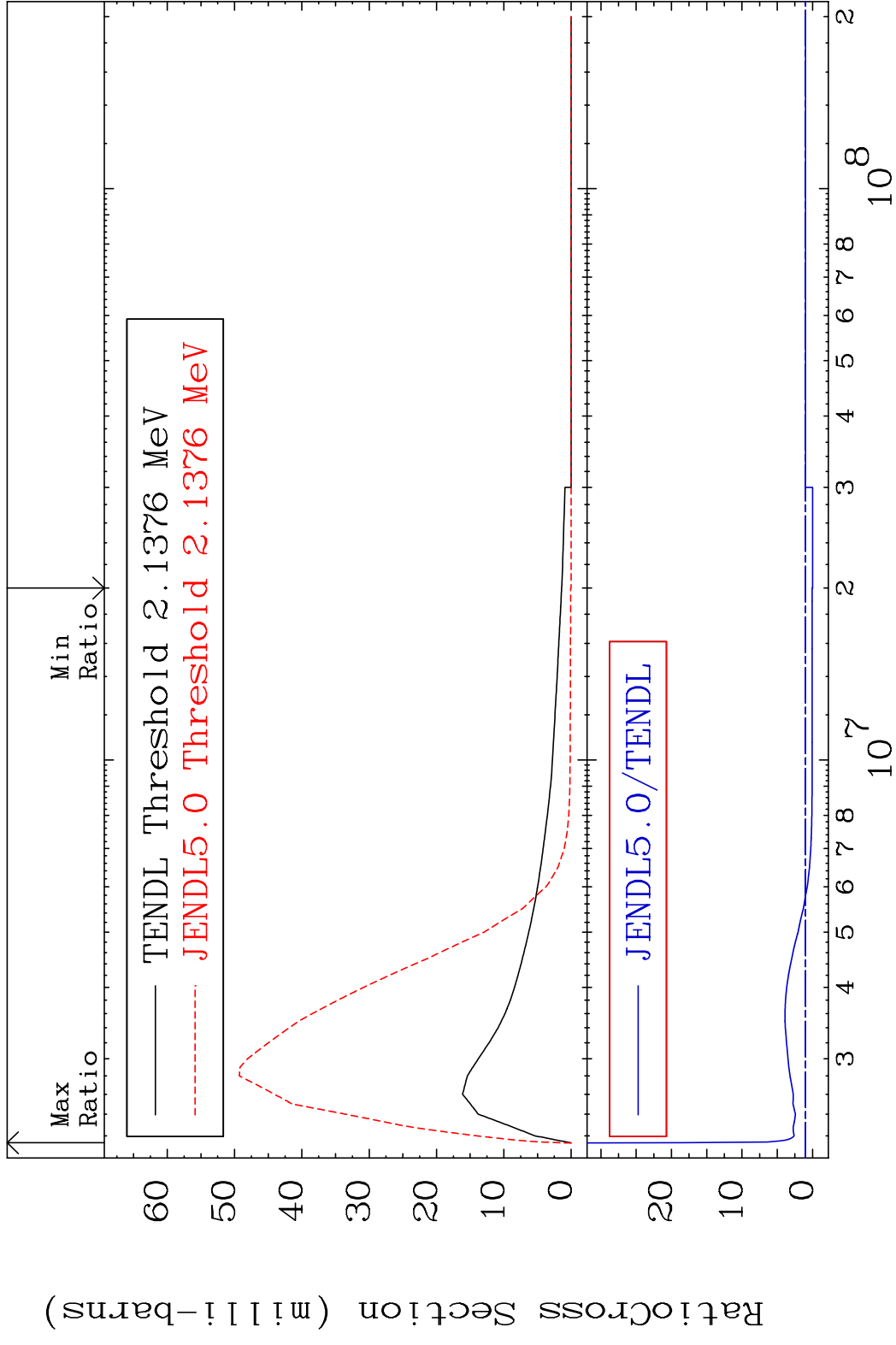
MAT 8037 MT= 78 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %



MAT 8037 MT= 79 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 9999. %

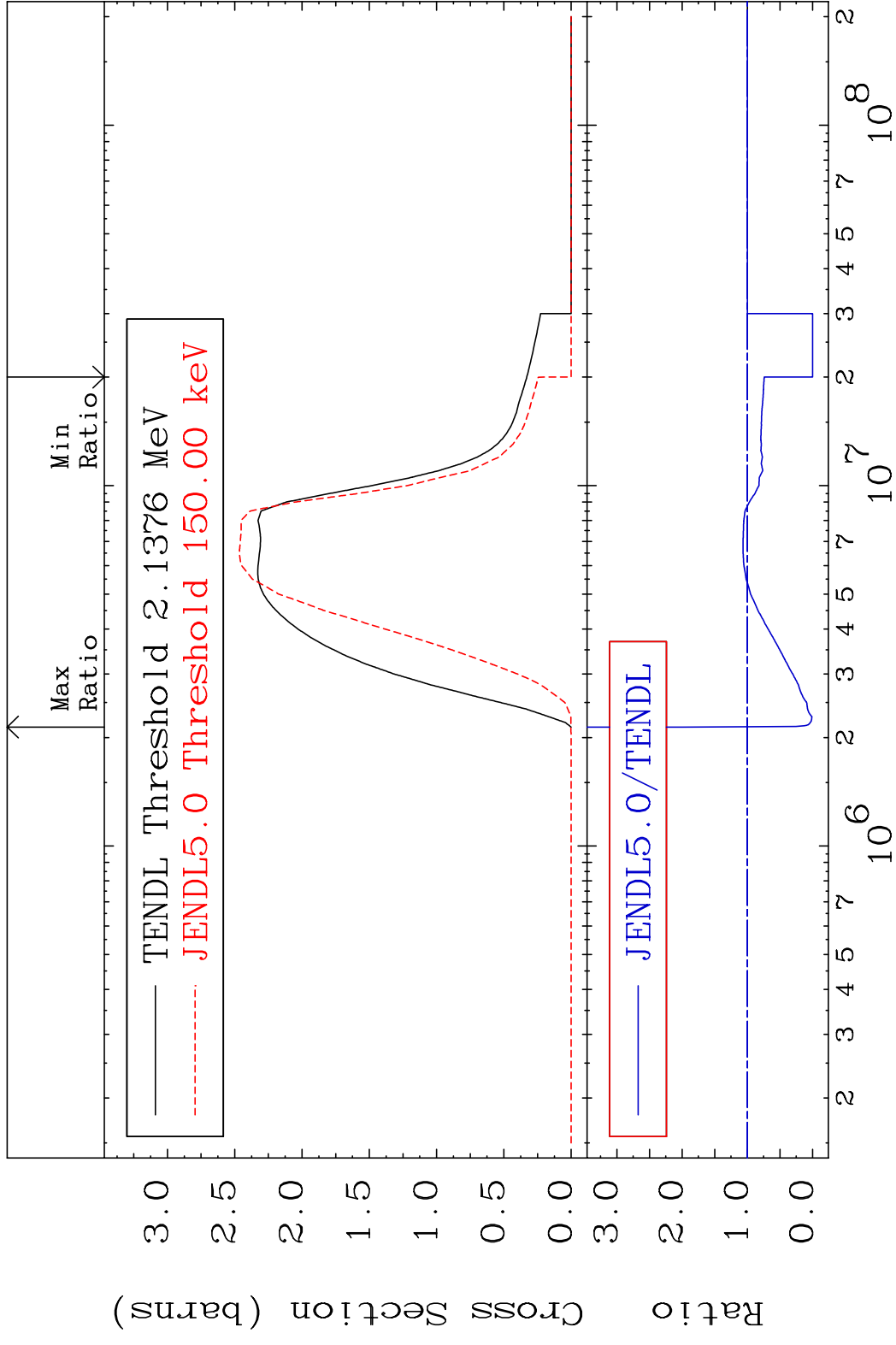


MAT 8037 MT= 80 (n, n') Level 80-Hg-200
 Cross Section -100.0 To 1745. %



40 Incident Energy (eV) 80-Hg-200

MAT 8037 (n, n') Continuum 80-Hg-200
 Cross Section -100.0 To 99.63 %



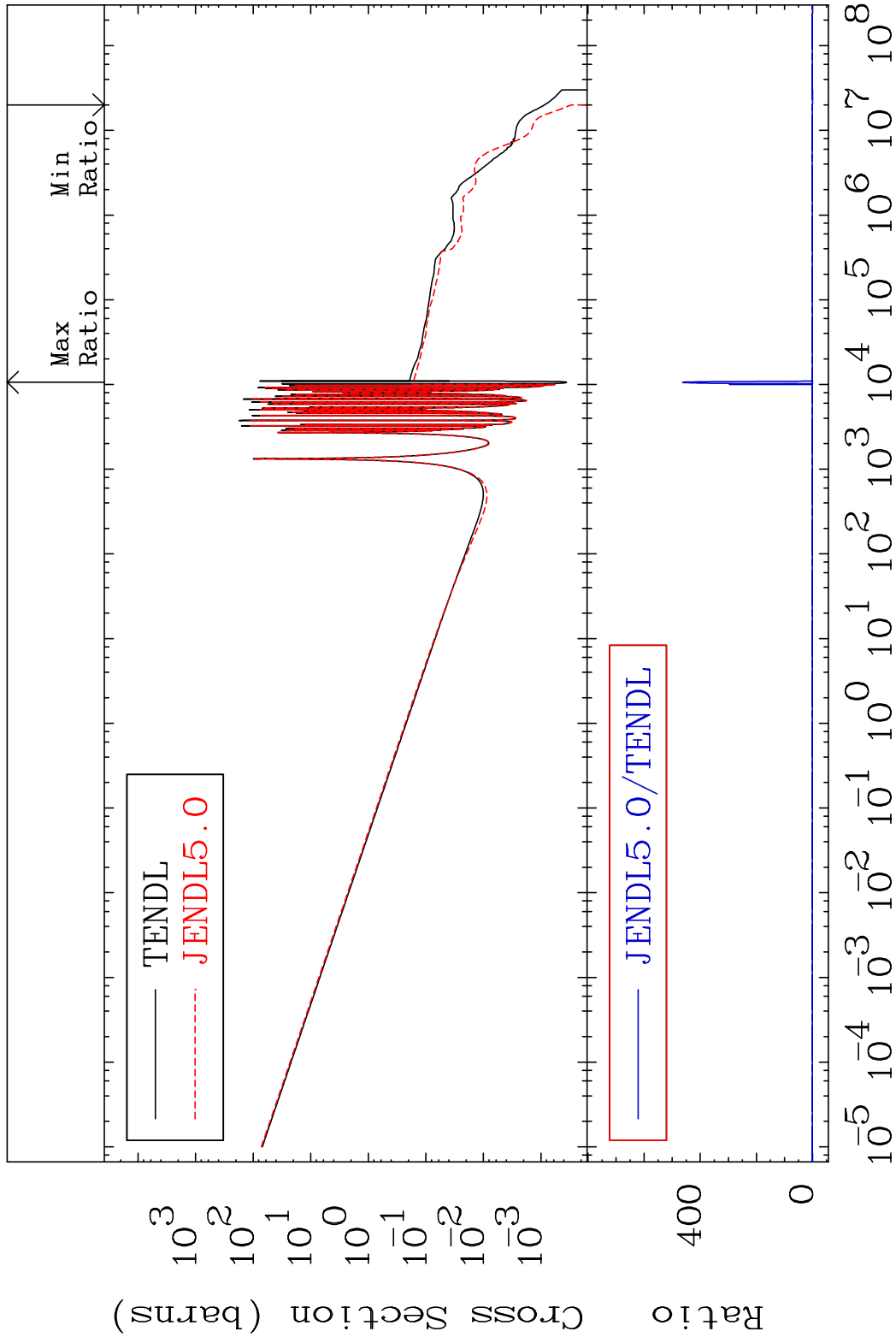
MAT 8037

(n, γ)

80-Hg-200

Cross Section

-100.0 To 9999. %

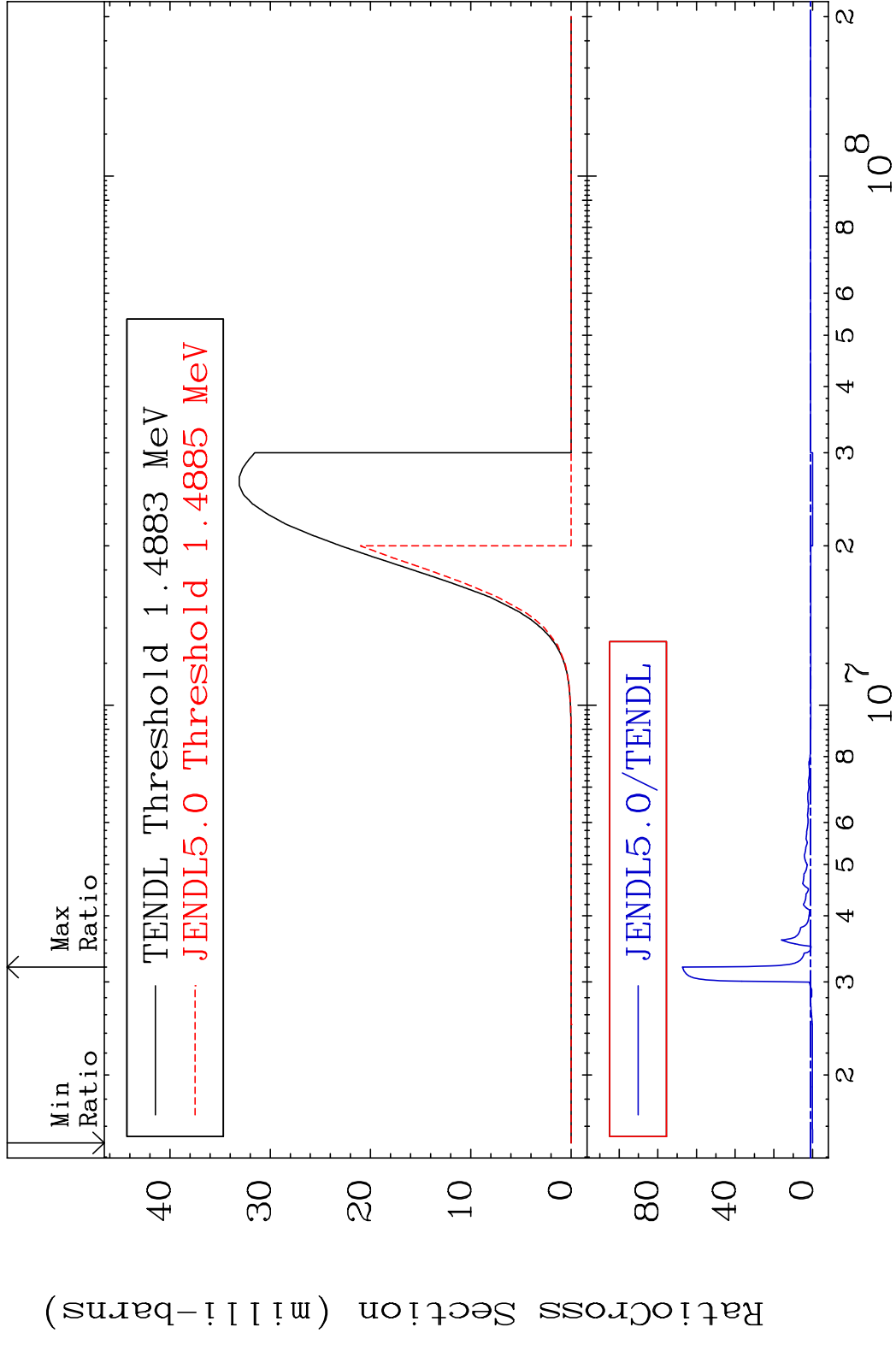


42

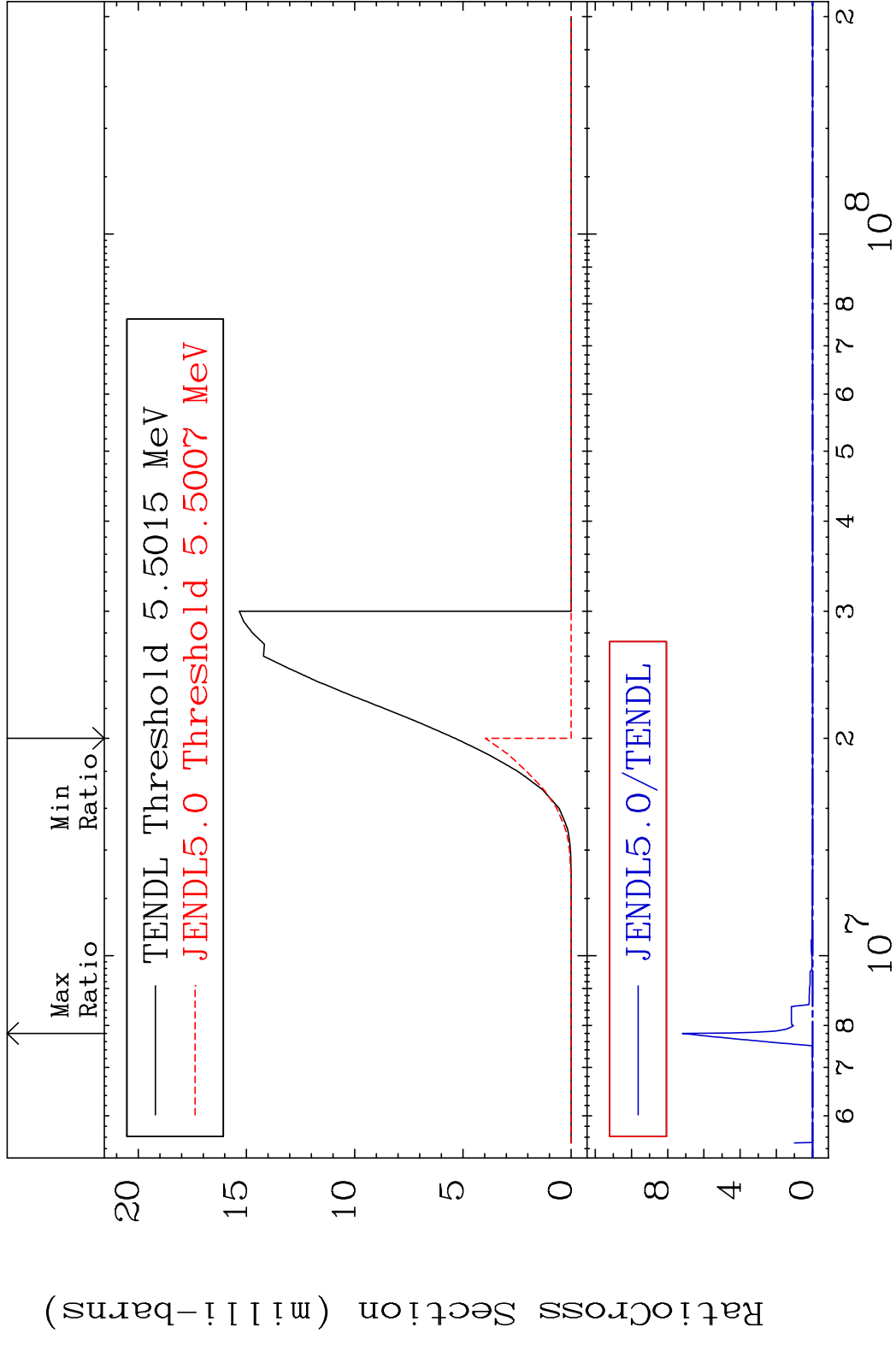
Incident Energy (eV)

80-Hg-200

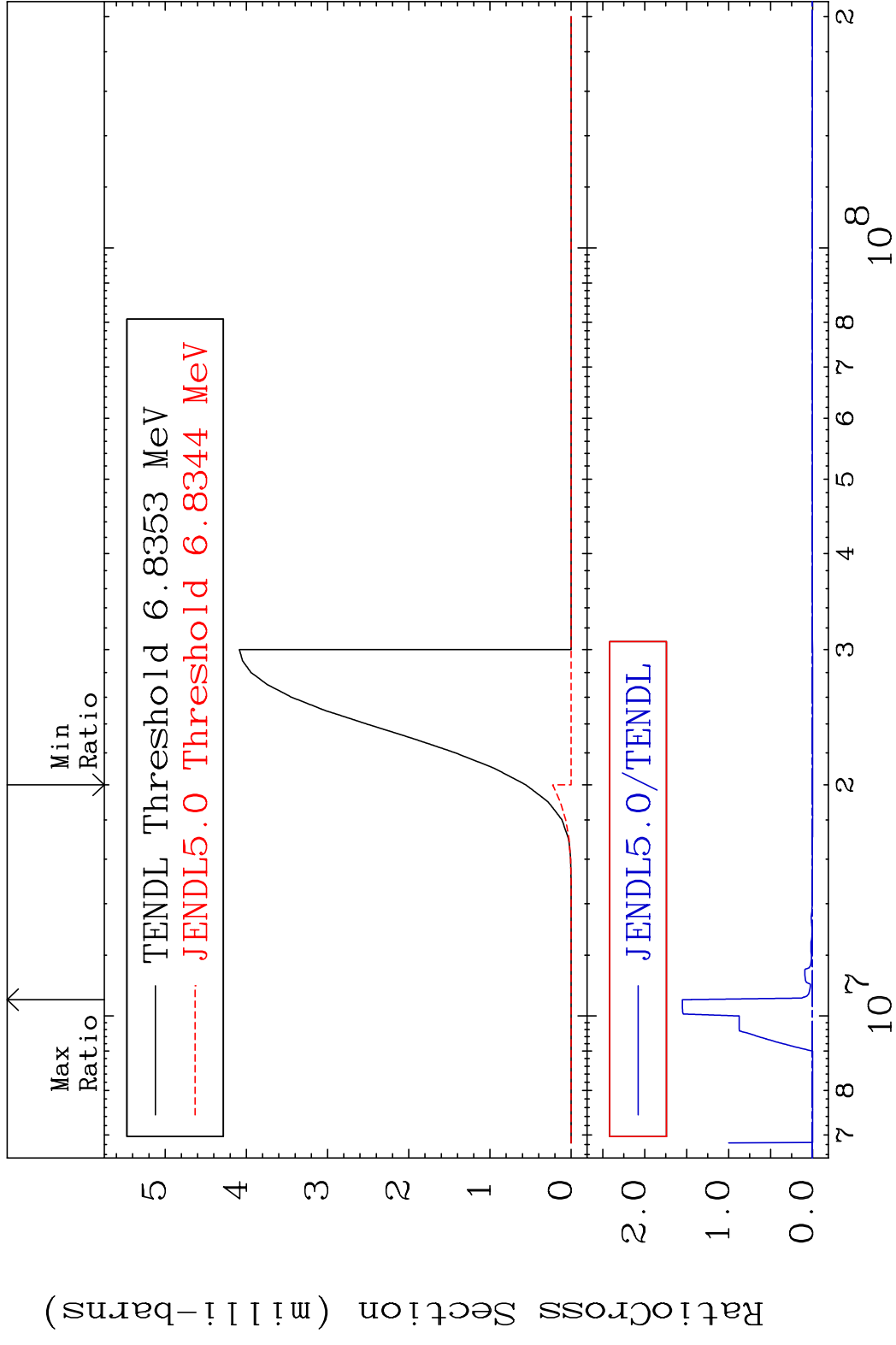
MAT 8037 (n,p) 80-Hg-200
 Cross Section -100.0 To 6631. %



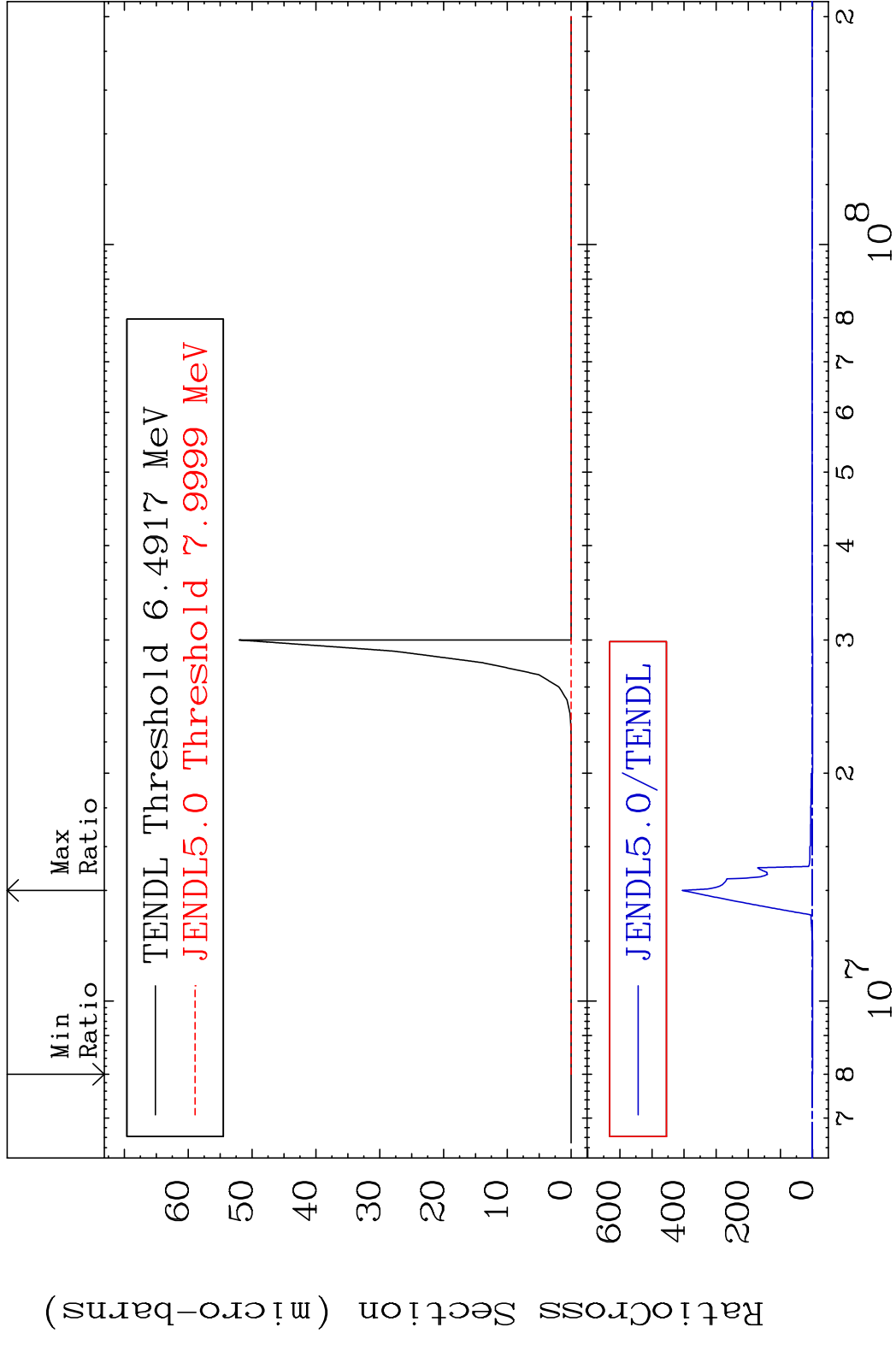
MAT 8037 (n,d) 80-Hg-200
 Cross Section -100.0 To 9999. %



MAT 8037 (n, t) 80-Hg-200
 Cross Section -100.0 To 9999. %

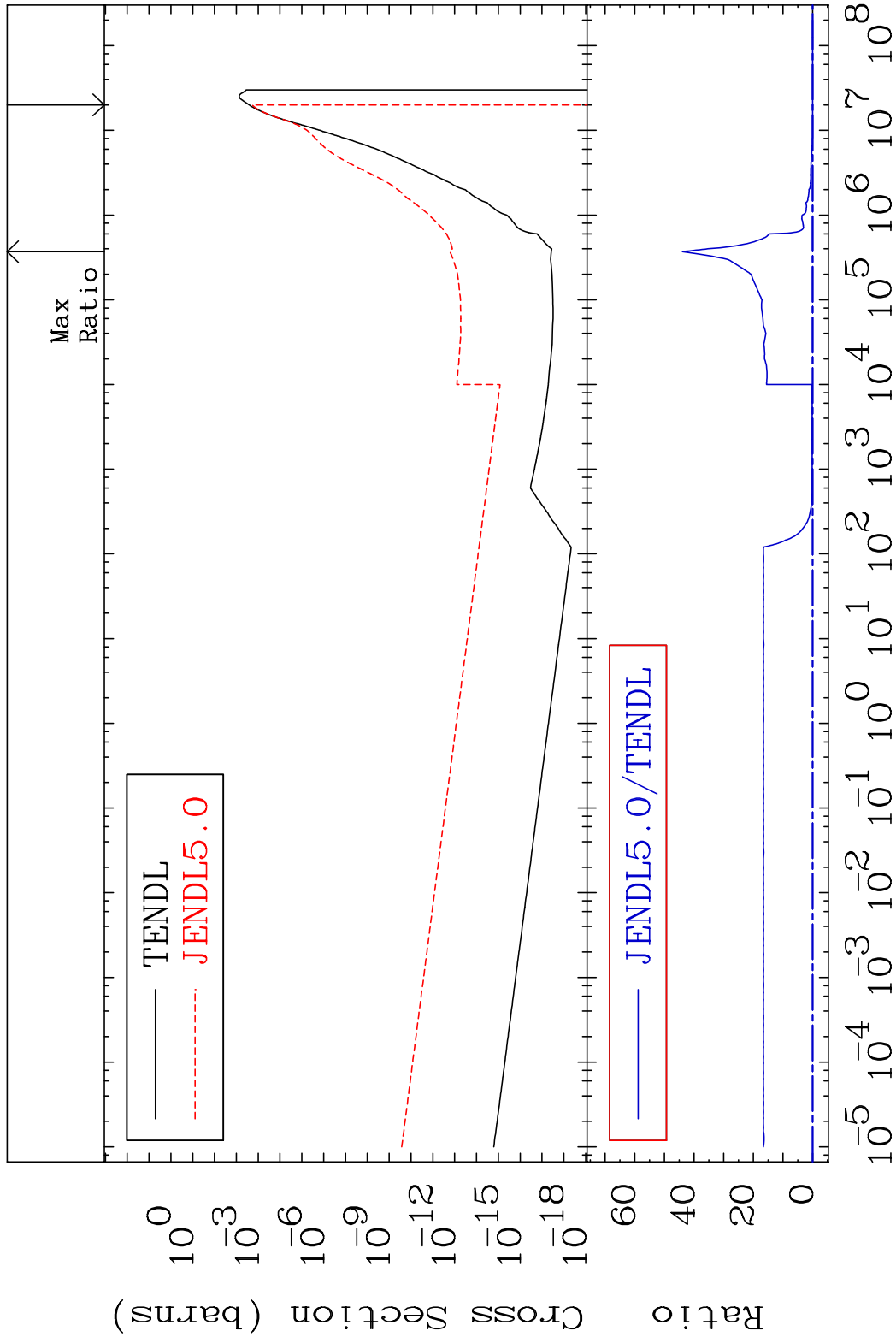


MAT 8037 (n, He-3) 80-Hg-200
 Cross Section -100.0 To 9999. %



MAT 8037

(n, α)
Cross Section -100.0 To 9999. %
80-Hg-200



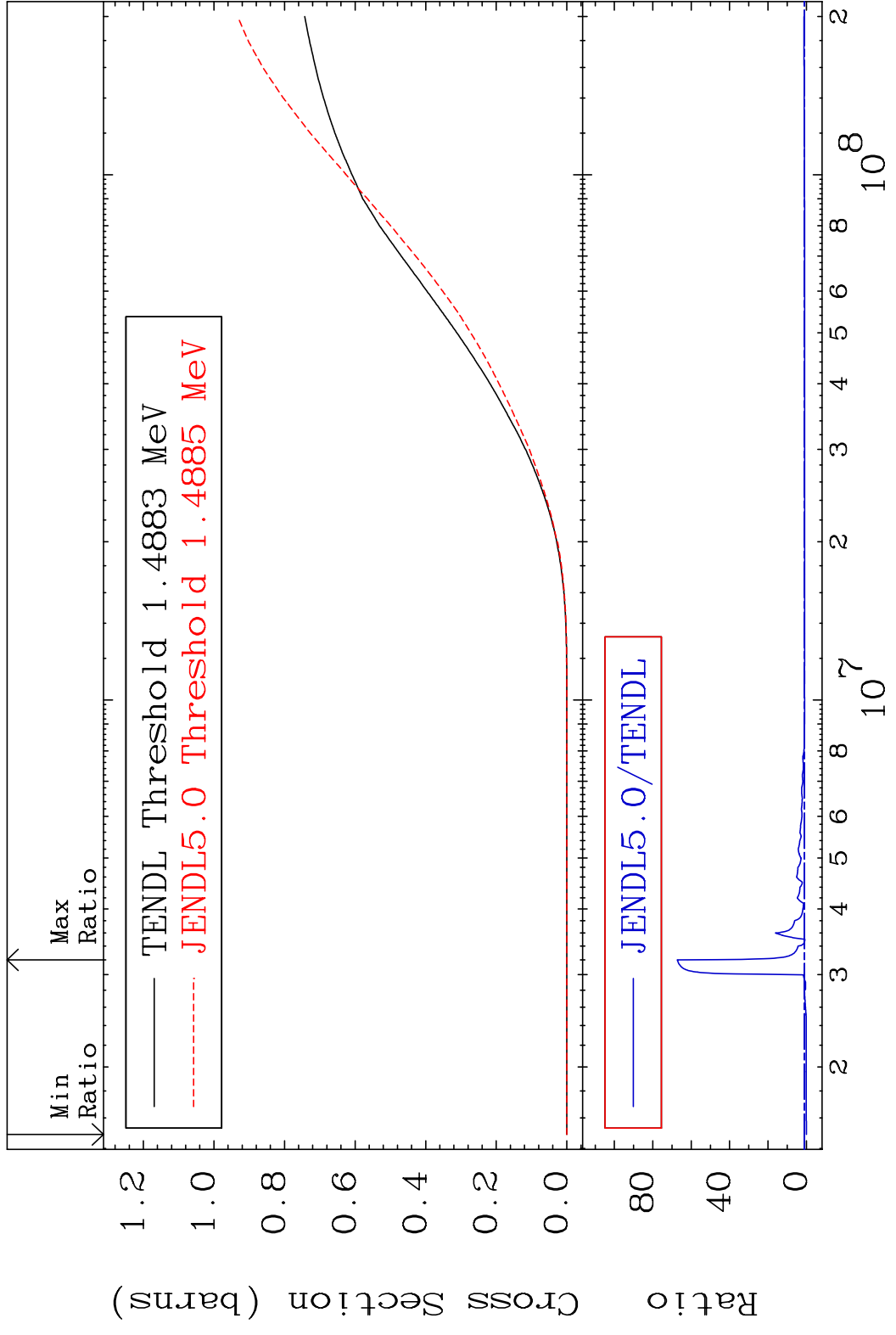
47

Incident Energy (eV)

80-Hg-200

MAT 8037

Hydrogen Production
Cross Section -100.0 To 6630. %
80-Hg-200



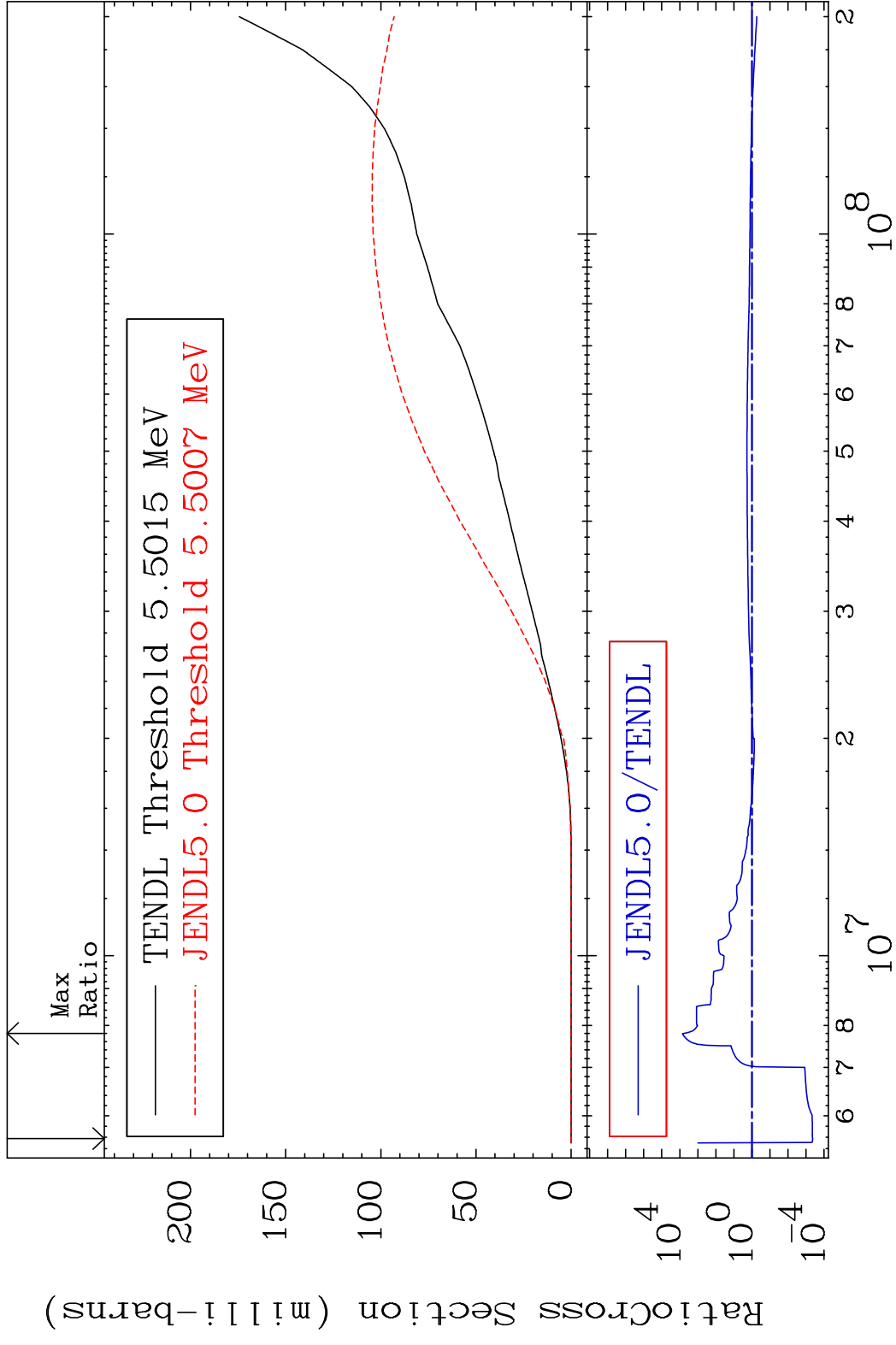
MAT 8037

Deuterium Production

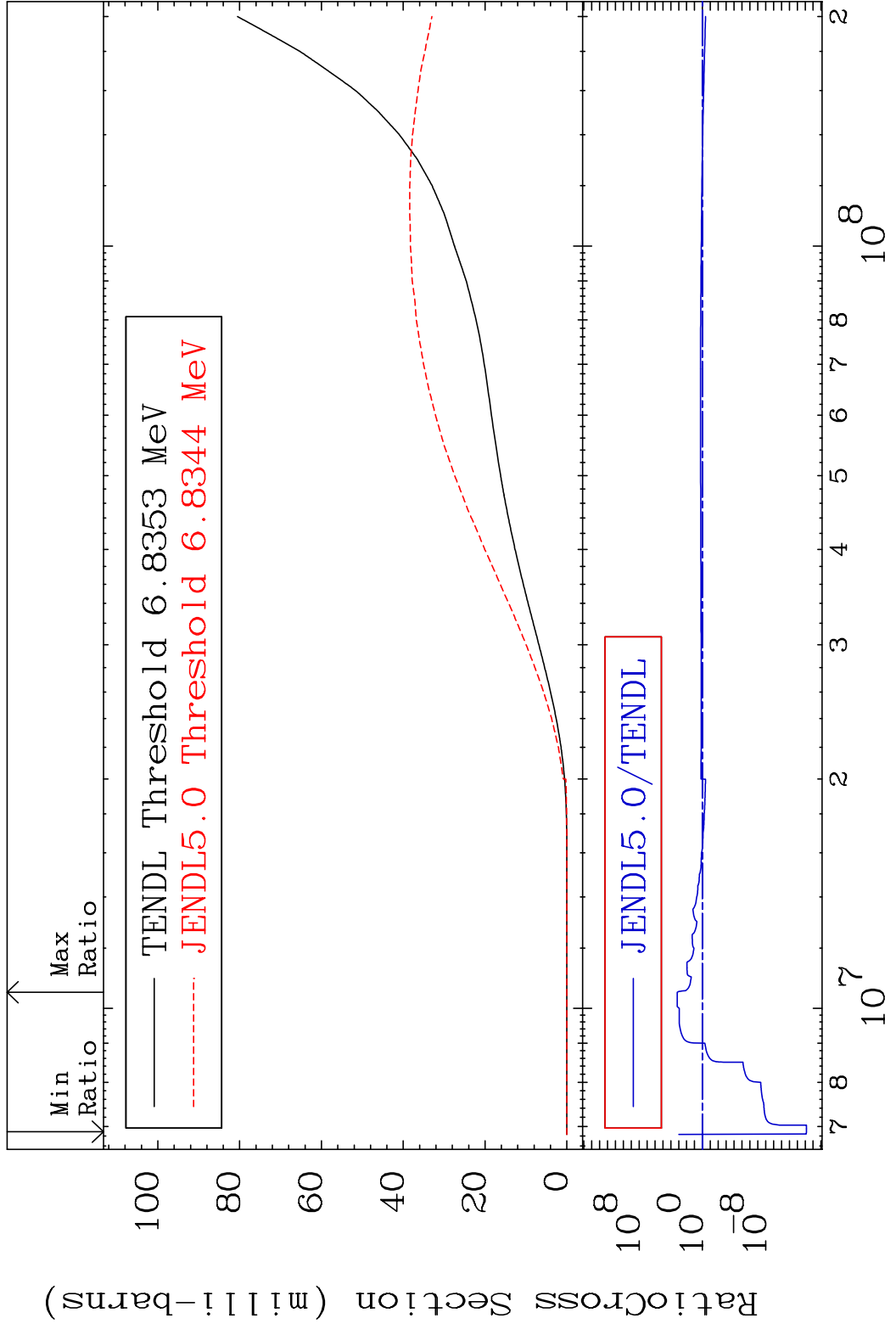
80-Hg-200

Cross Section

-99.96 To 9999. %



MAT 8037 Tritium Production 80-Hg-200
 Cross Section -100.0 To 9999. %

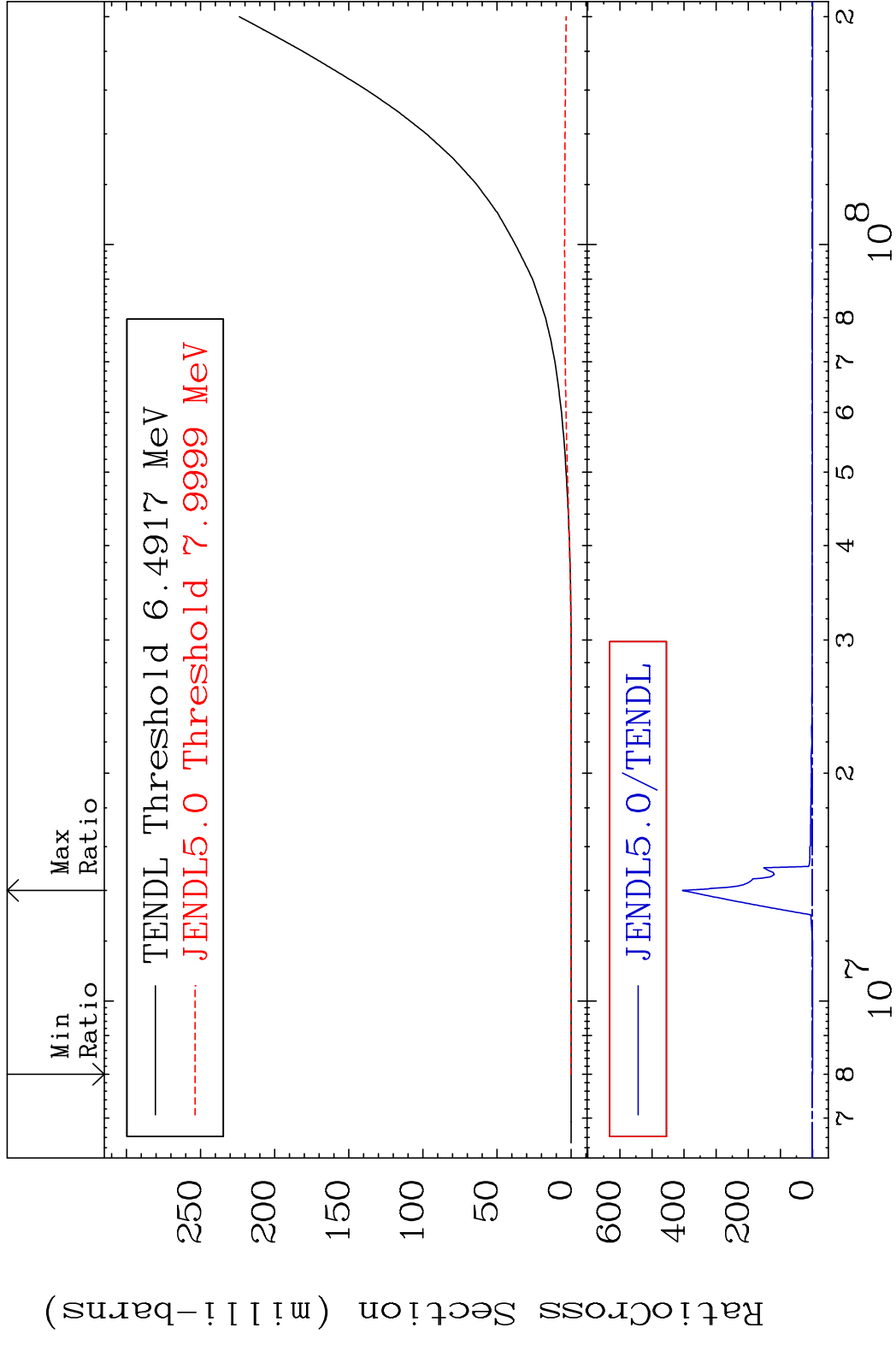


MAT 8037

He-3 Production

80-Hg-200

Cross Section -100.0 To 9999. %

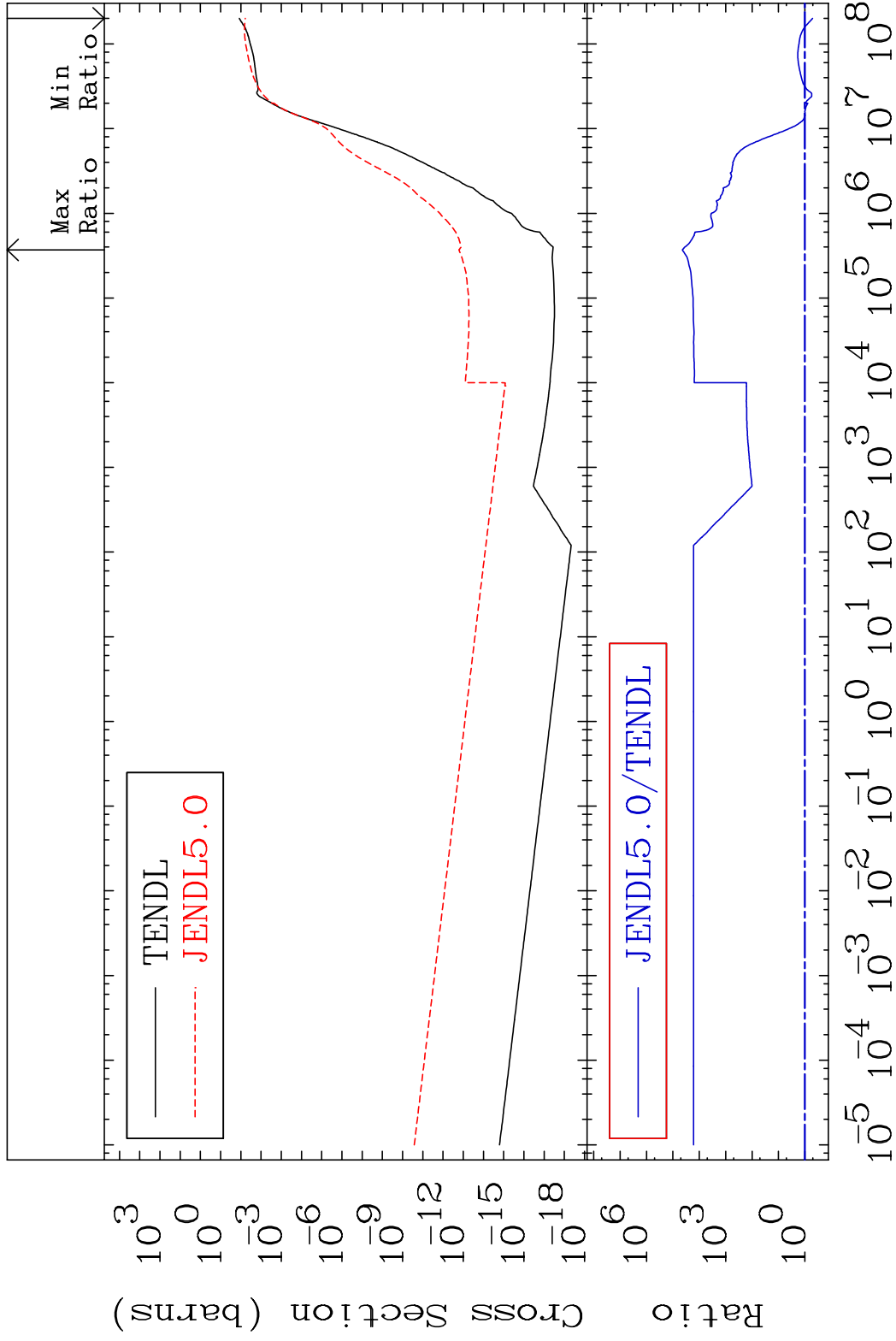


MAT 8037

He-4 Production

80-Hg-200

Cross Section -48.96 To 9999. %

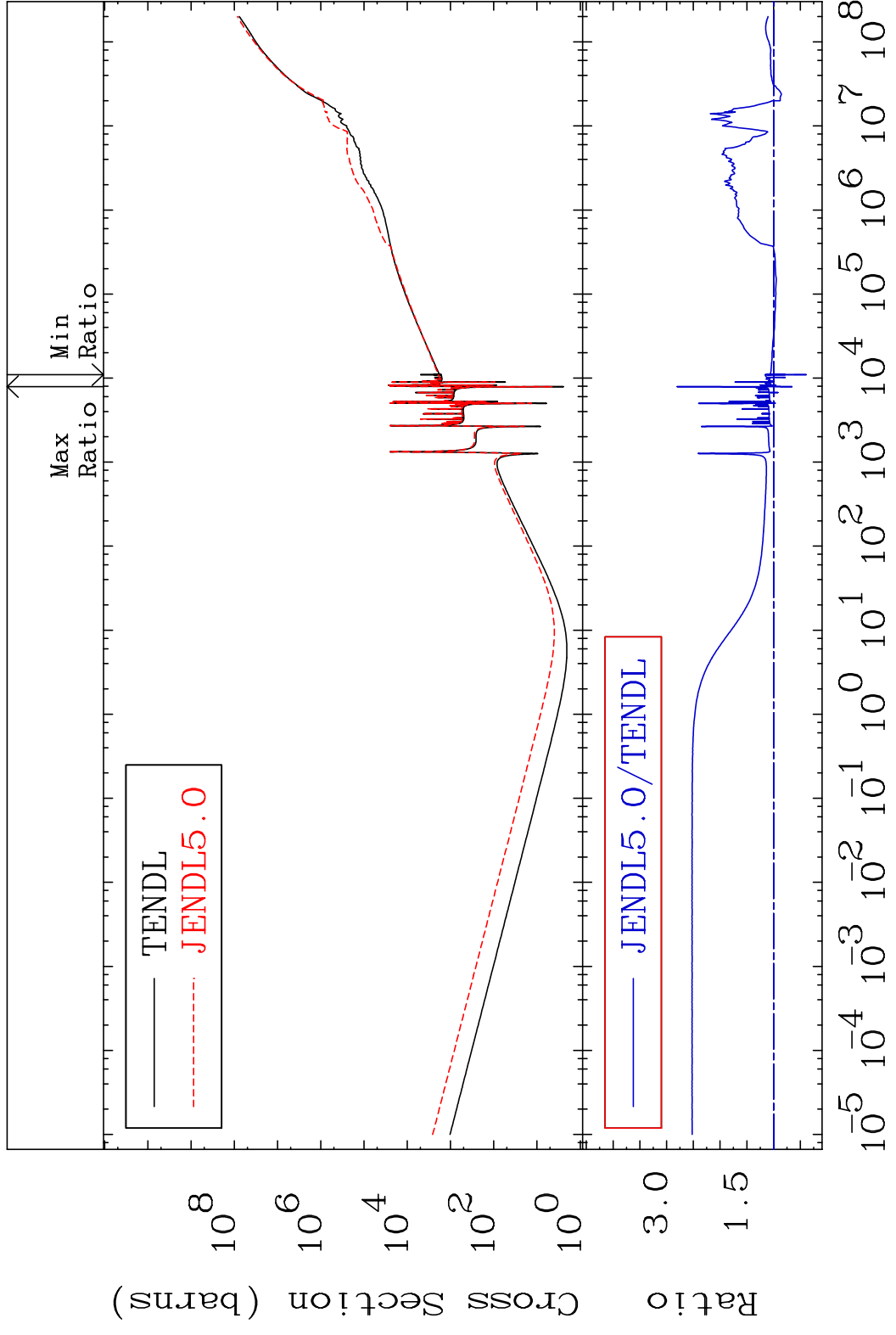


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Incident Energy (eV)

80-Hg-200

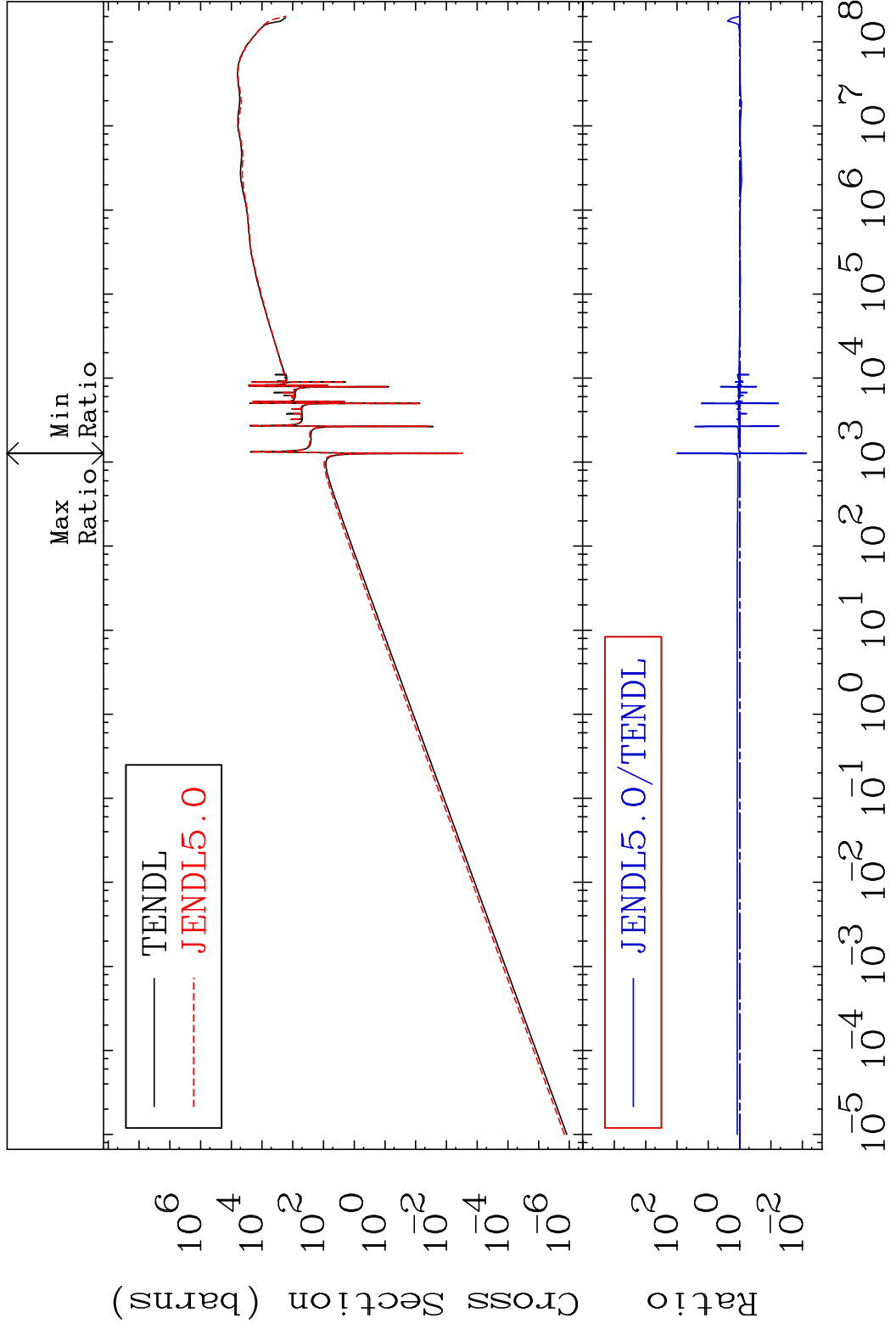
MAT 8037 Kerma total (eV-barns) 80-Hg-200
 Cross Section -61.35 To 180.2 %



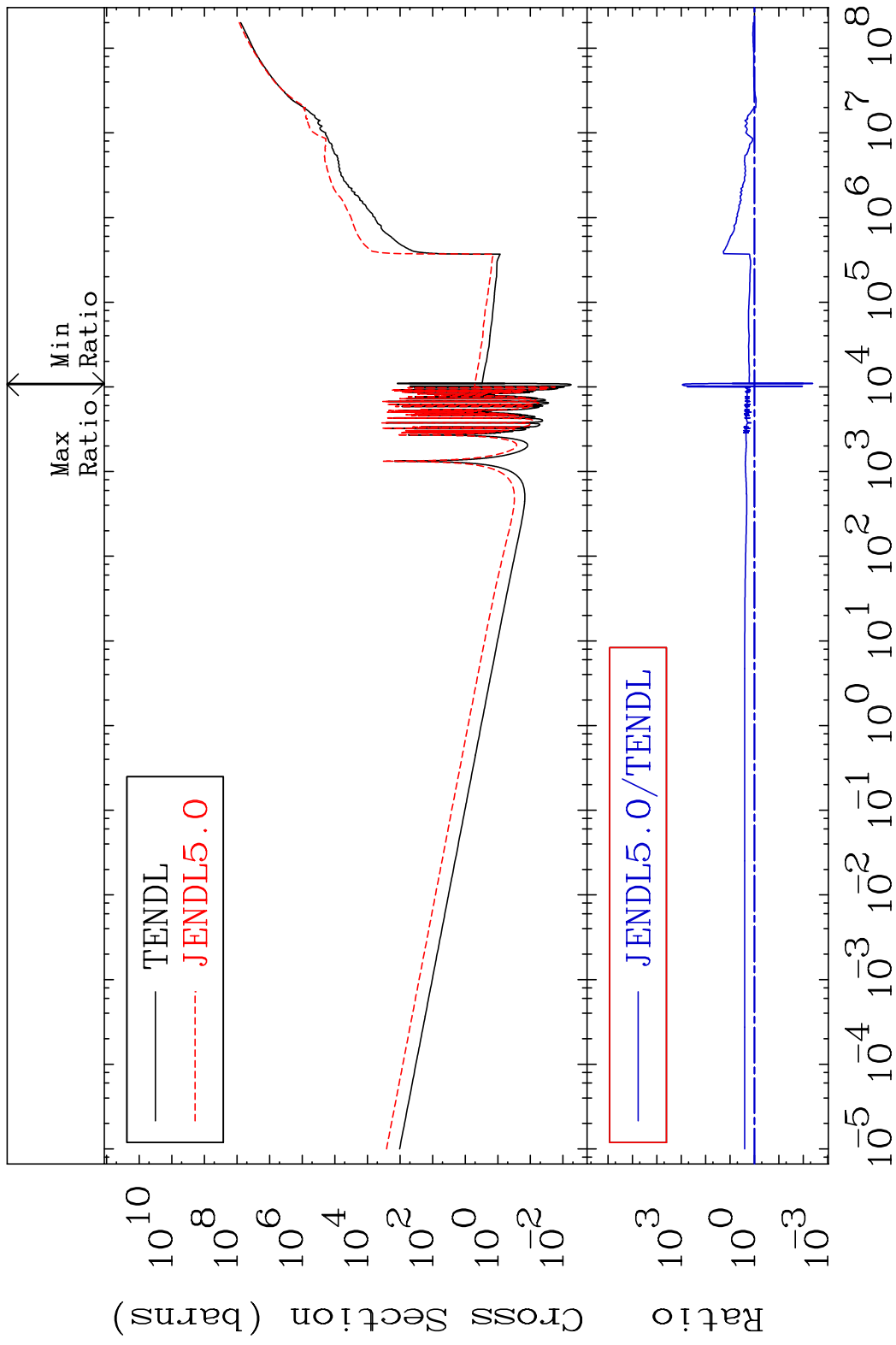
MAT 8037

Kerma elastic
Cross Section

80-Hg-200
-99.26 To 9768. %

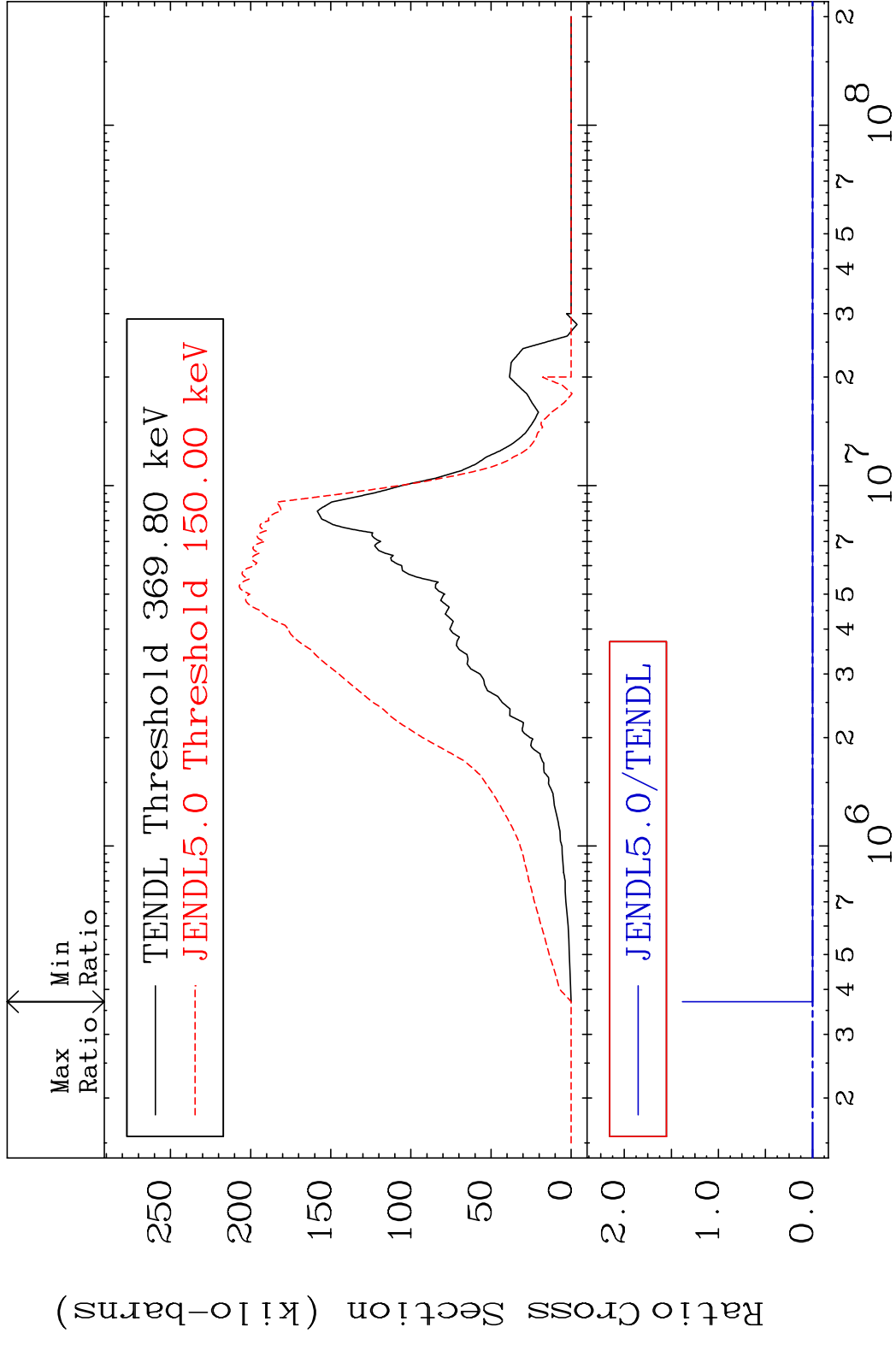


MAT 8037 Kerma non-elastic (all but mt2) 80-Hg-200
 Cross Section -99.59 To 9999. %

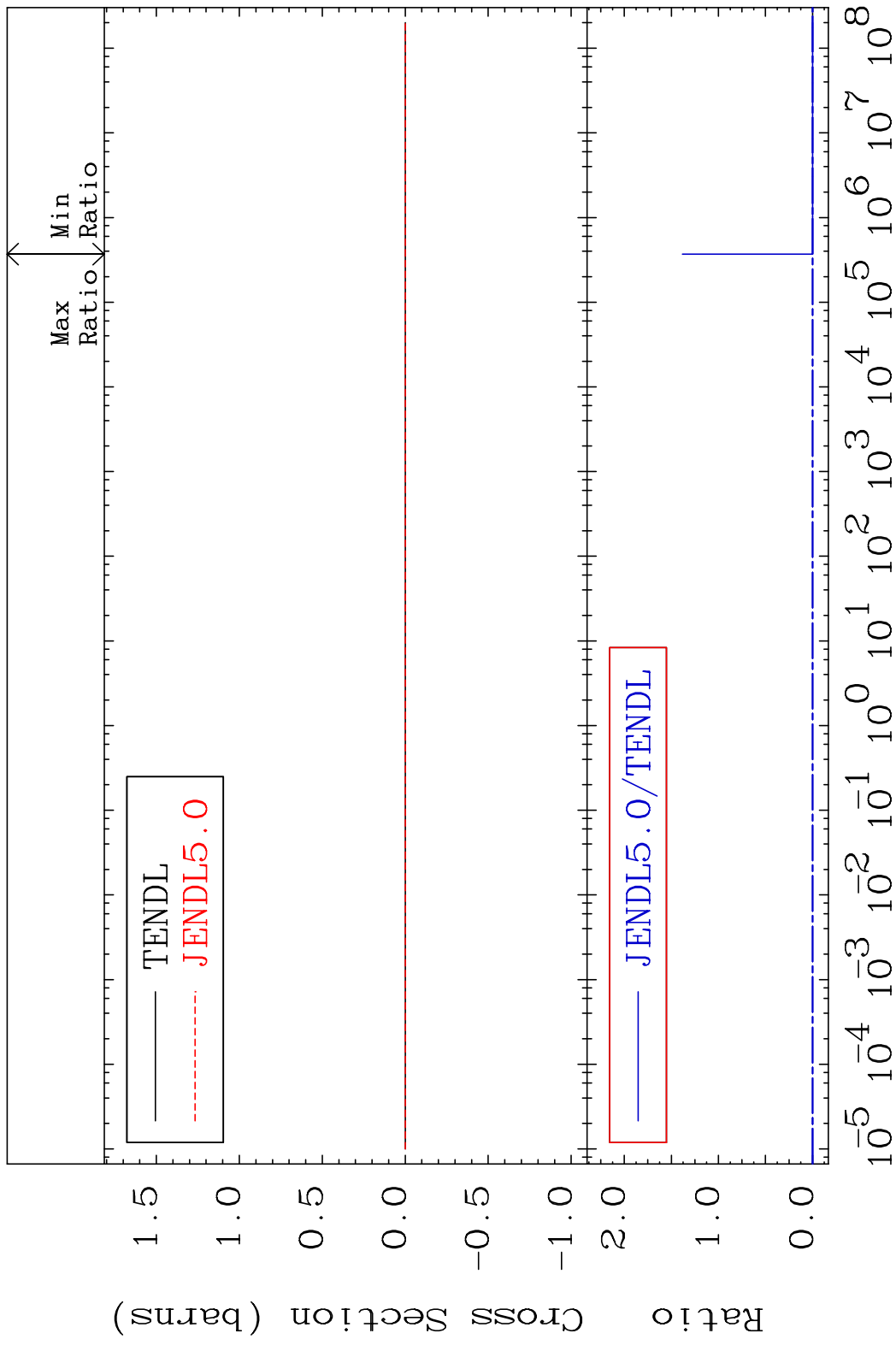


55 Incident Energy (eV) 80-Hg-200

MAT 8037 Kerma inelastic (mt51-91) 80-Hg-200
 Cross Section -4477. To 9999. %

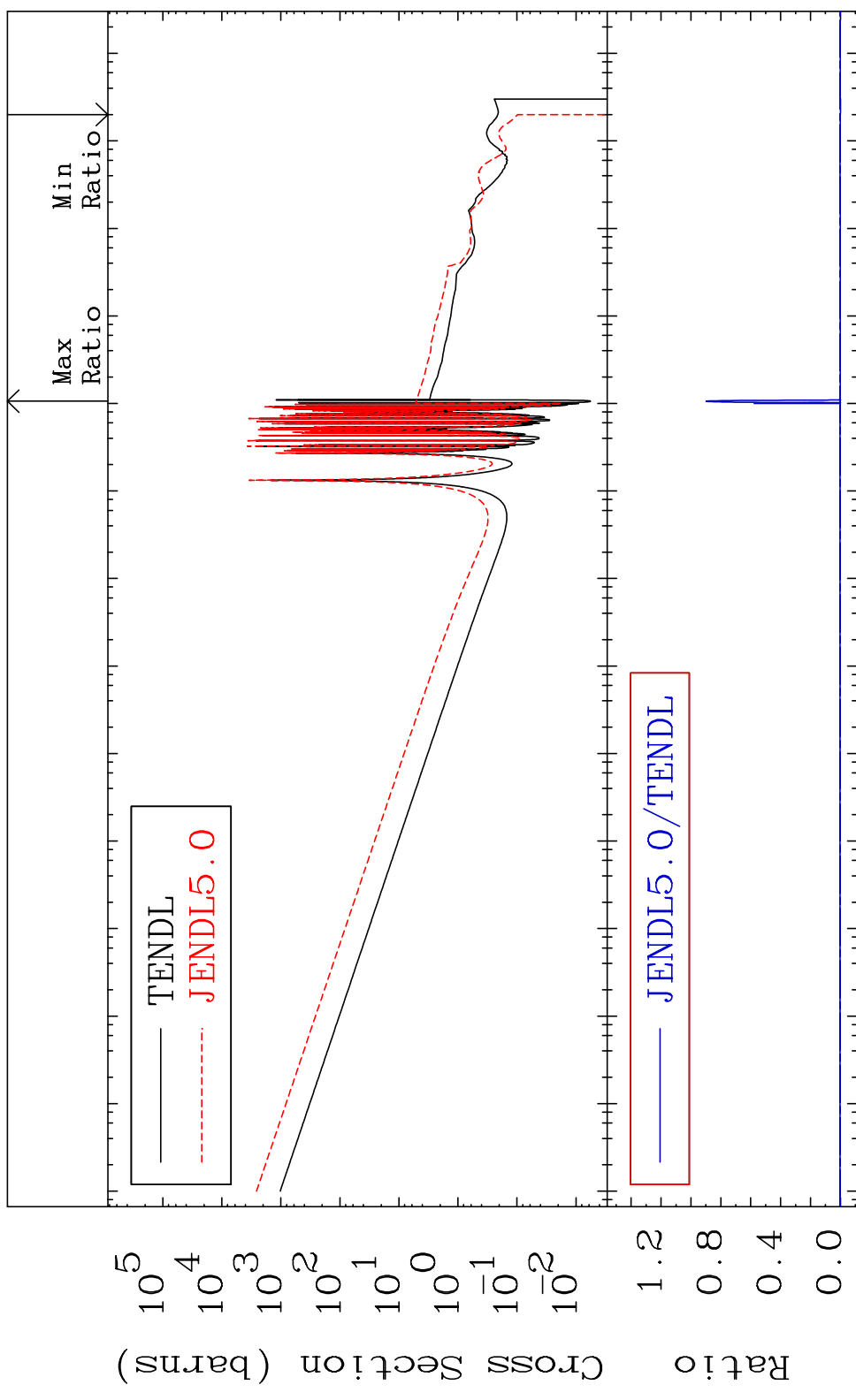


MAT 8037 Kerma fission (mt18 or mt19-20-21-38)80-Hg-200
 Cross Section -4477. To 9999. %

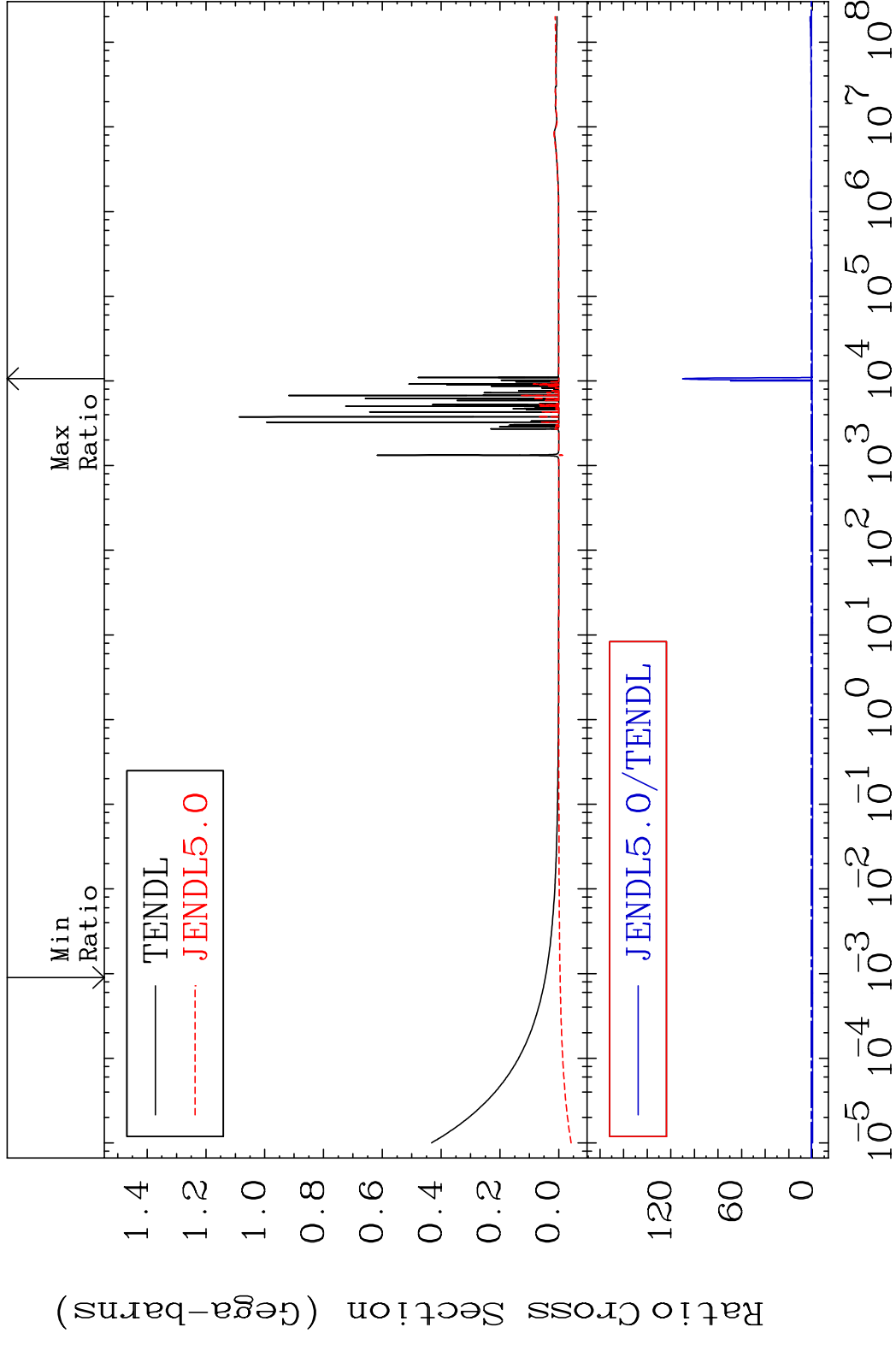


MAT 8037

Kerma capture (mt102) 80-Hg-200
Cross Section -100.0 To 9999. %

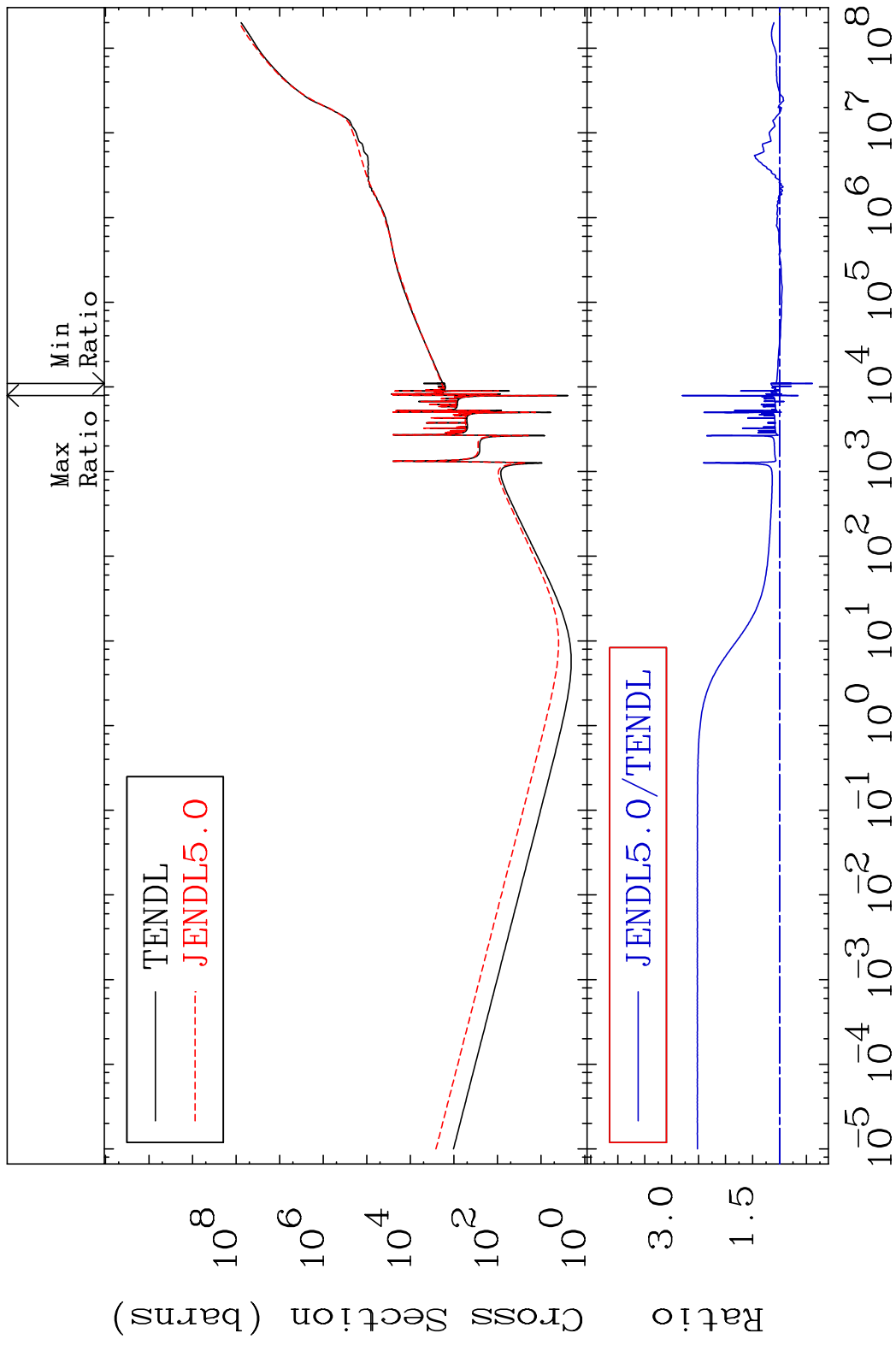


MAT 8037 Total photon (eV-barns) 80-Hg-200
Cross Section -109.8 To 9999. %



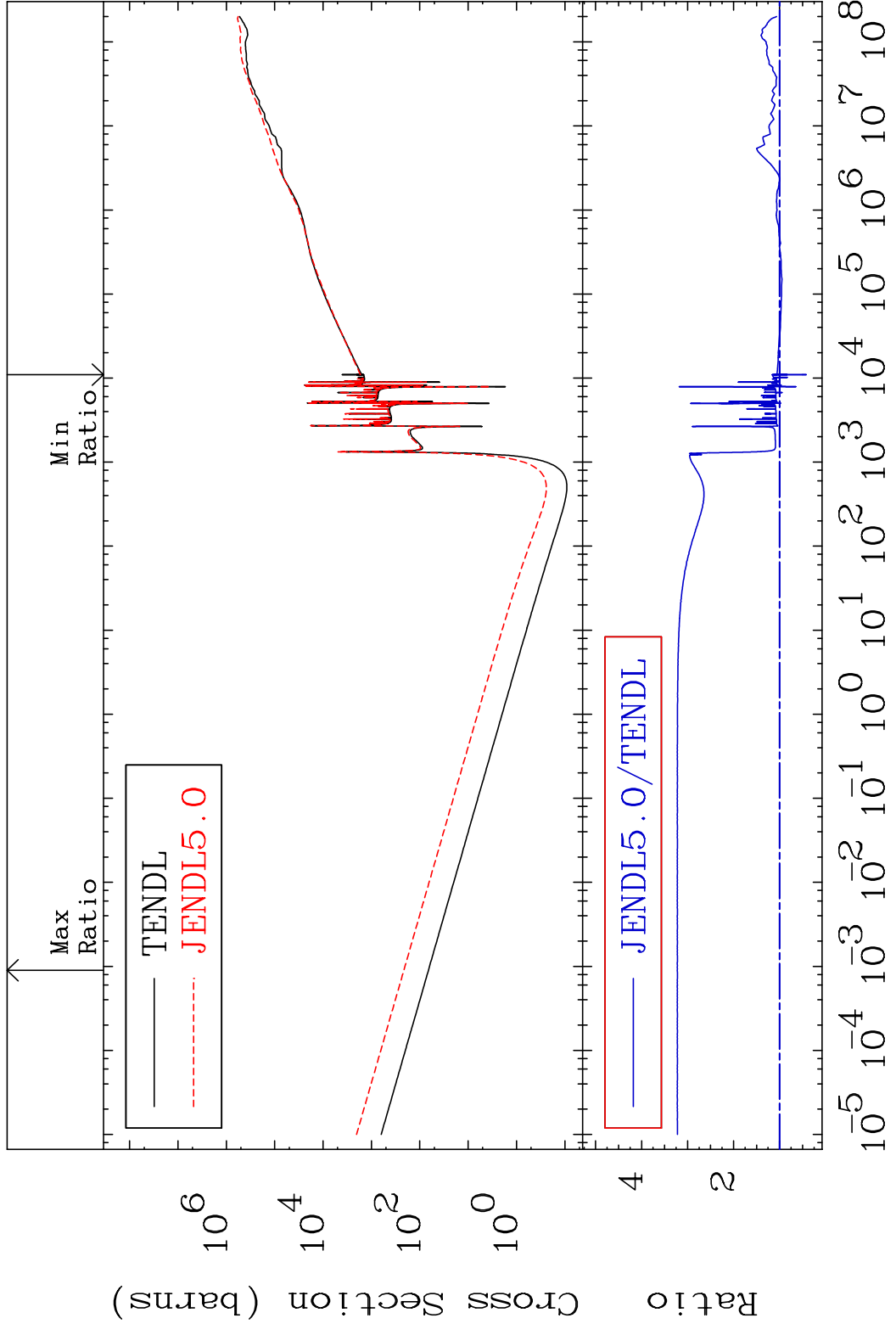
59 80-Hg-200

MAT 8037 Total kinematic kerma (high limit) 80-Hg-200
 Cross Section -61.35 To 180.2 %



60 Incident Energy (eV) 80-Hg-200

MAT 8037 Dpa total (eV-barns) 80-Hg-200
 Cross Section -58.30 To 222.6 %

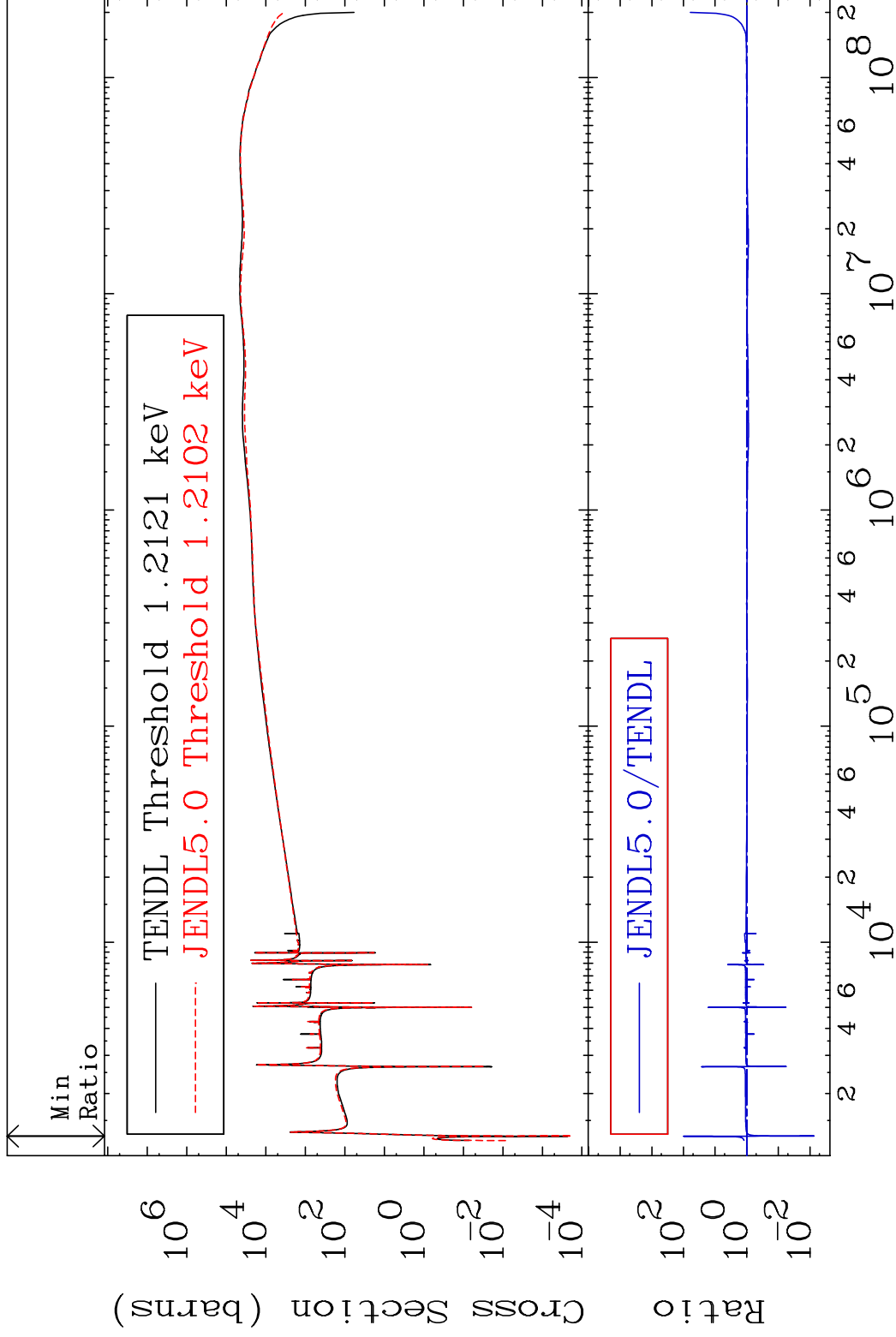


MAT 8037

Dpa elastic (mt2)

80-Hg-200

Cross Section -99.26 To 9767. %

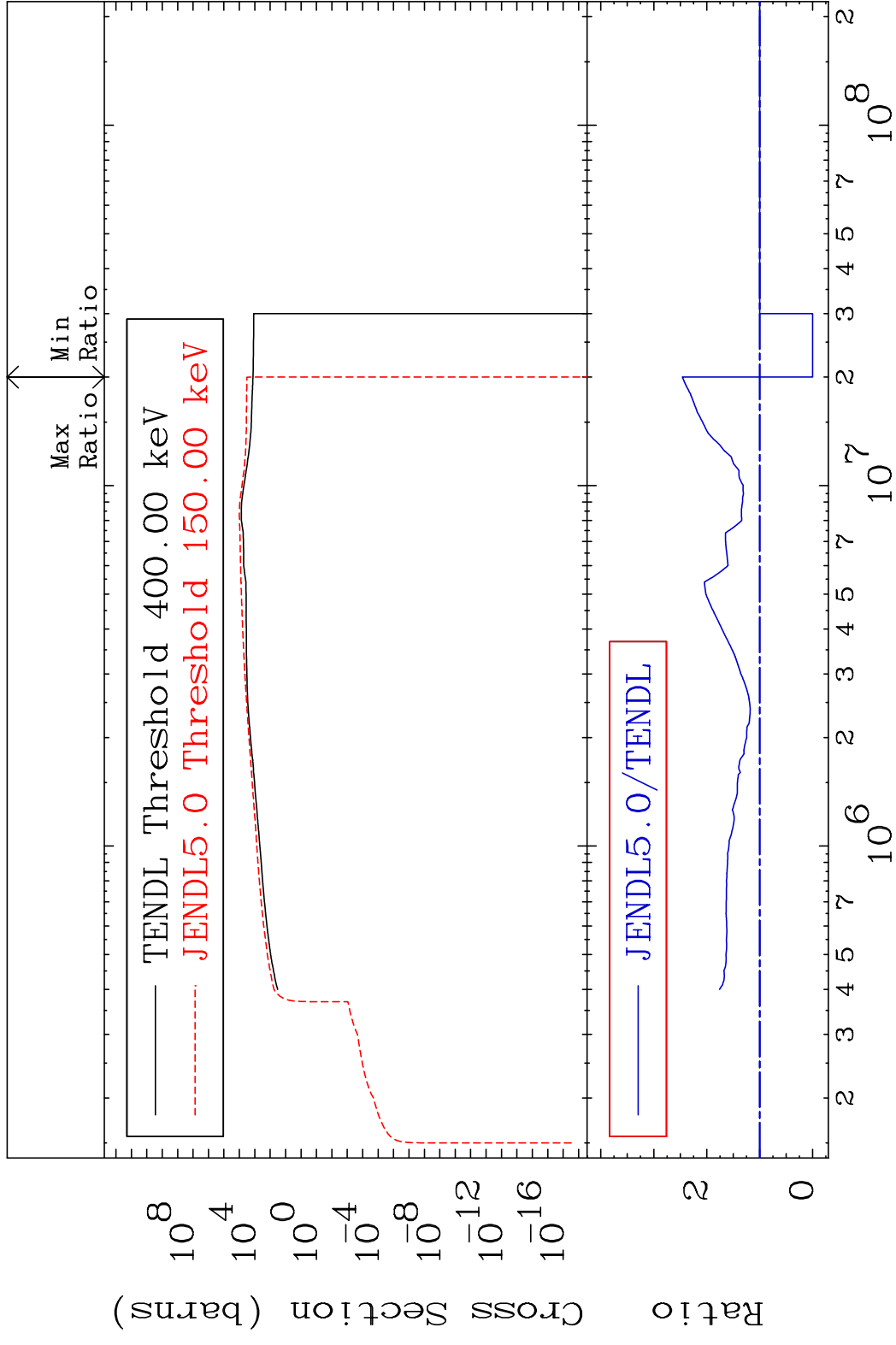


62

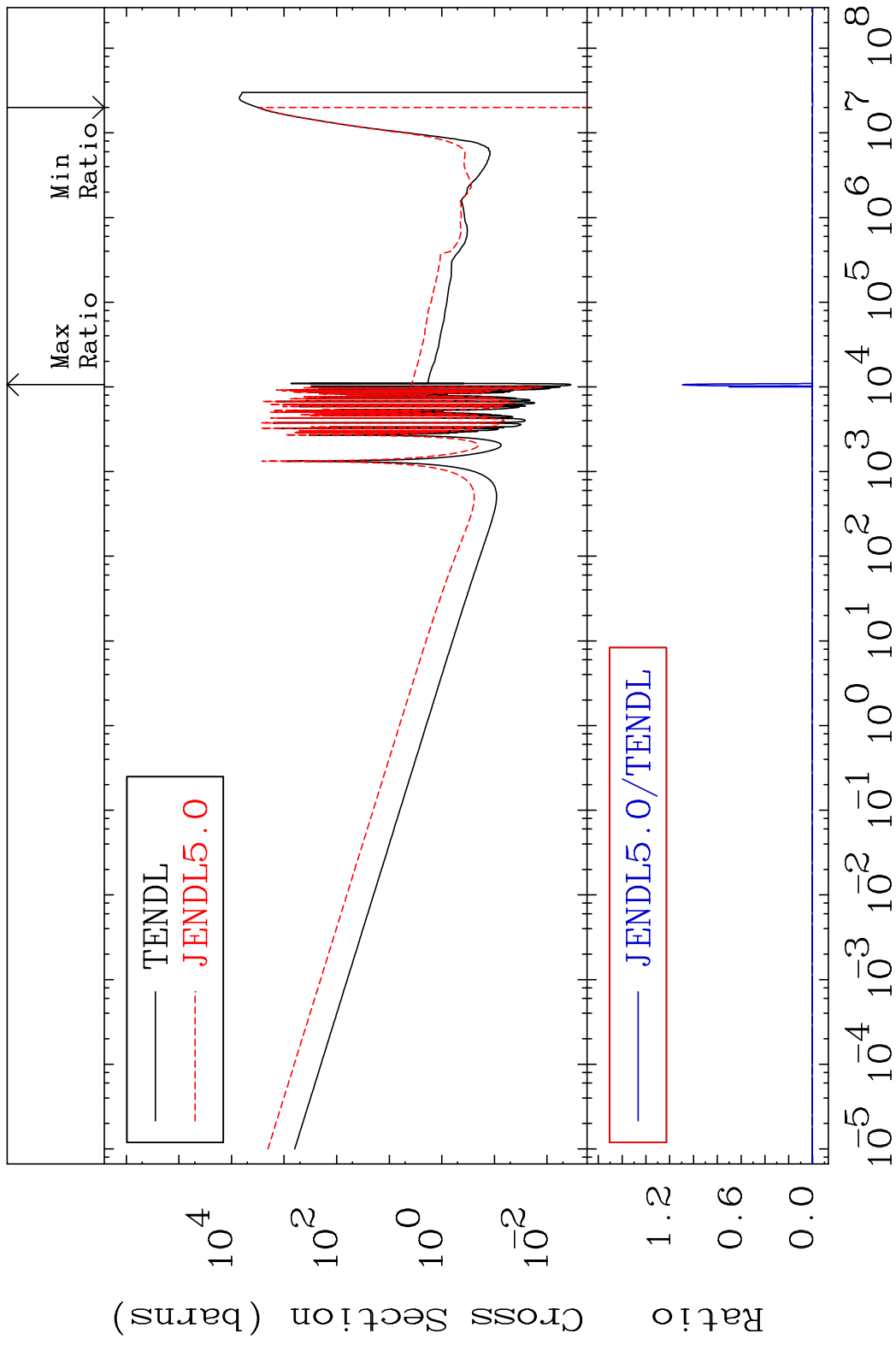
Incident Energy (eV)

80-Hg-200

MAT 8037 Dpa inelastic (mt51-91) 80-Hg-200
 Cross Section -100.0 To 146.0 %

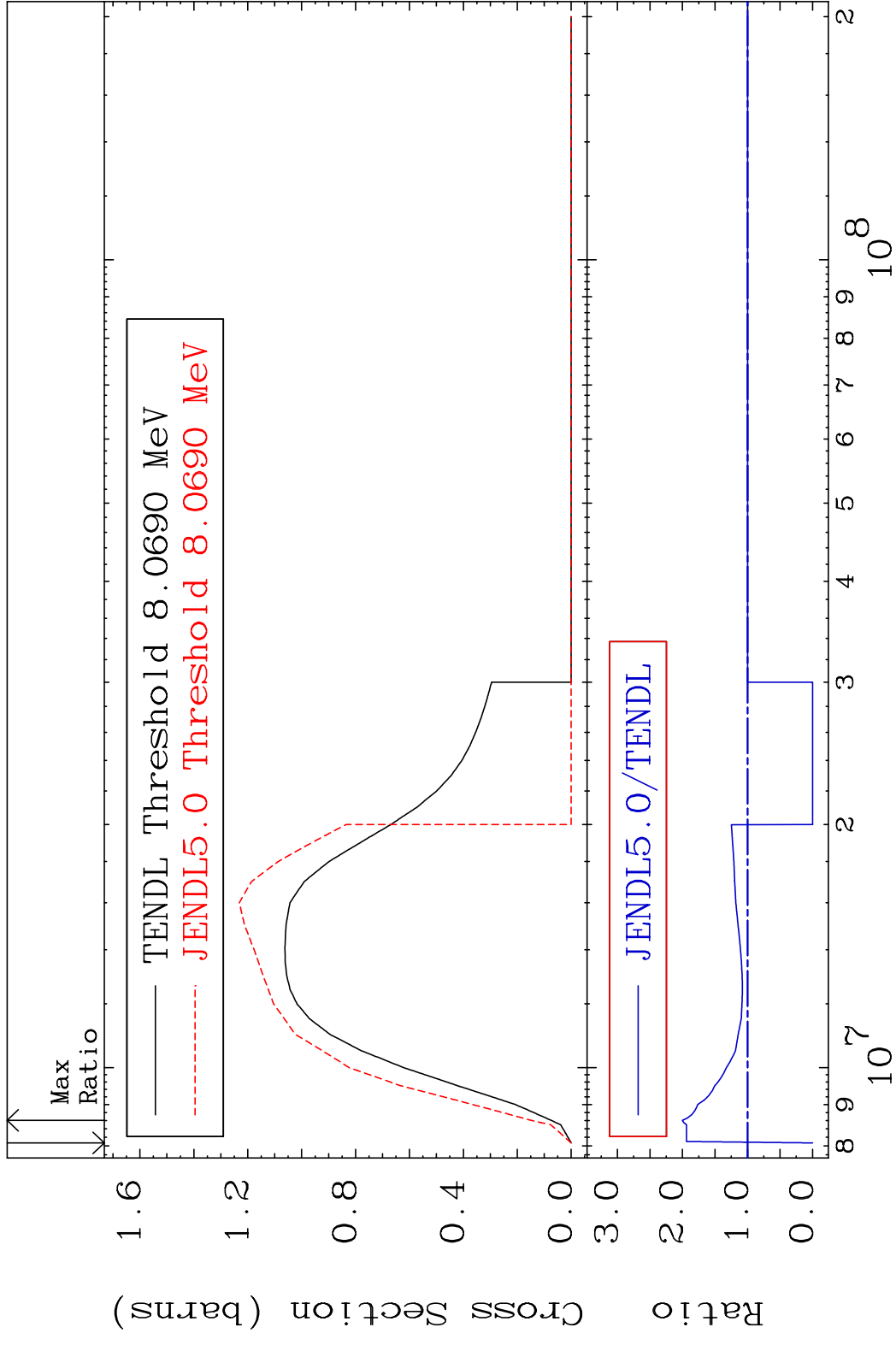


MAT 8037 Dpa disappearance (mt102 -120) 80-Hg-200
 Cross Section -100.0 To 9999. %

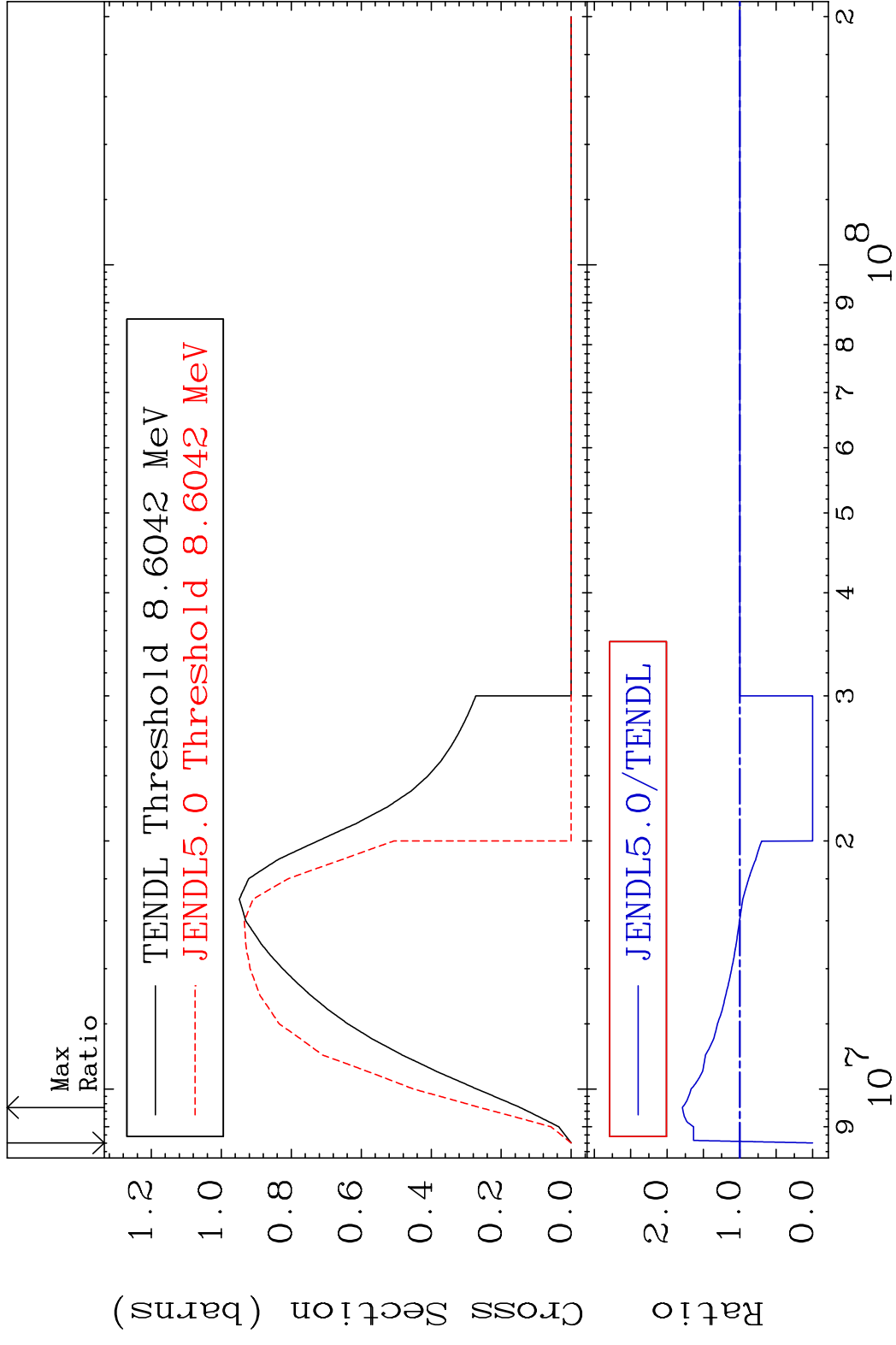


64 Incident Energy (eV) 80-Hg-200

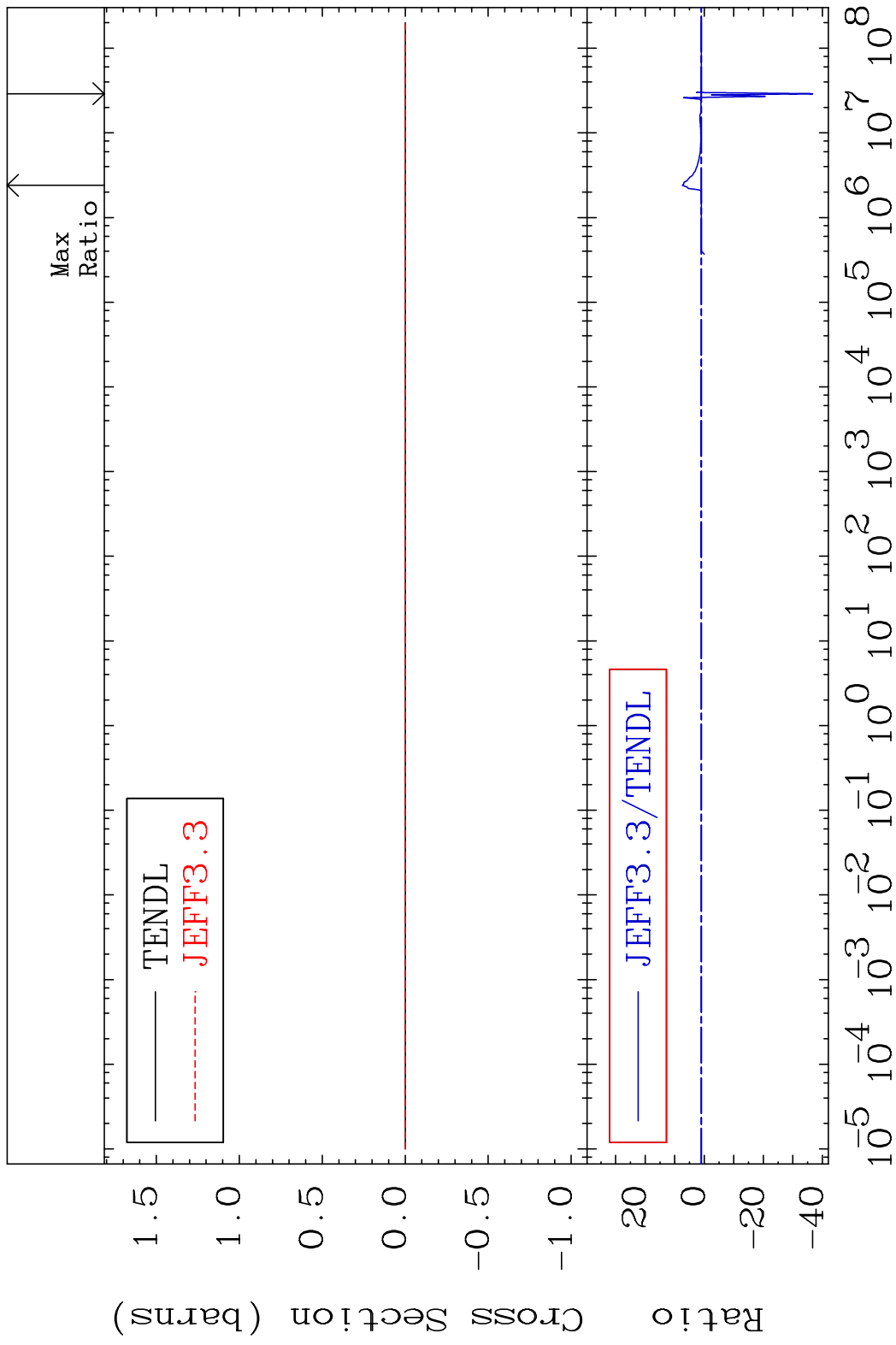
MAT 8037 (n,2n):80-Hg-199g 80-Hg-200
 Radionuclide Production Cross Section Ratio 100.2 %



MAT 8037 (n,2n):80-Hg-199m7 80-Hg-200
 Radionuclide Production Cross Section 180.01 d10 78.97 %

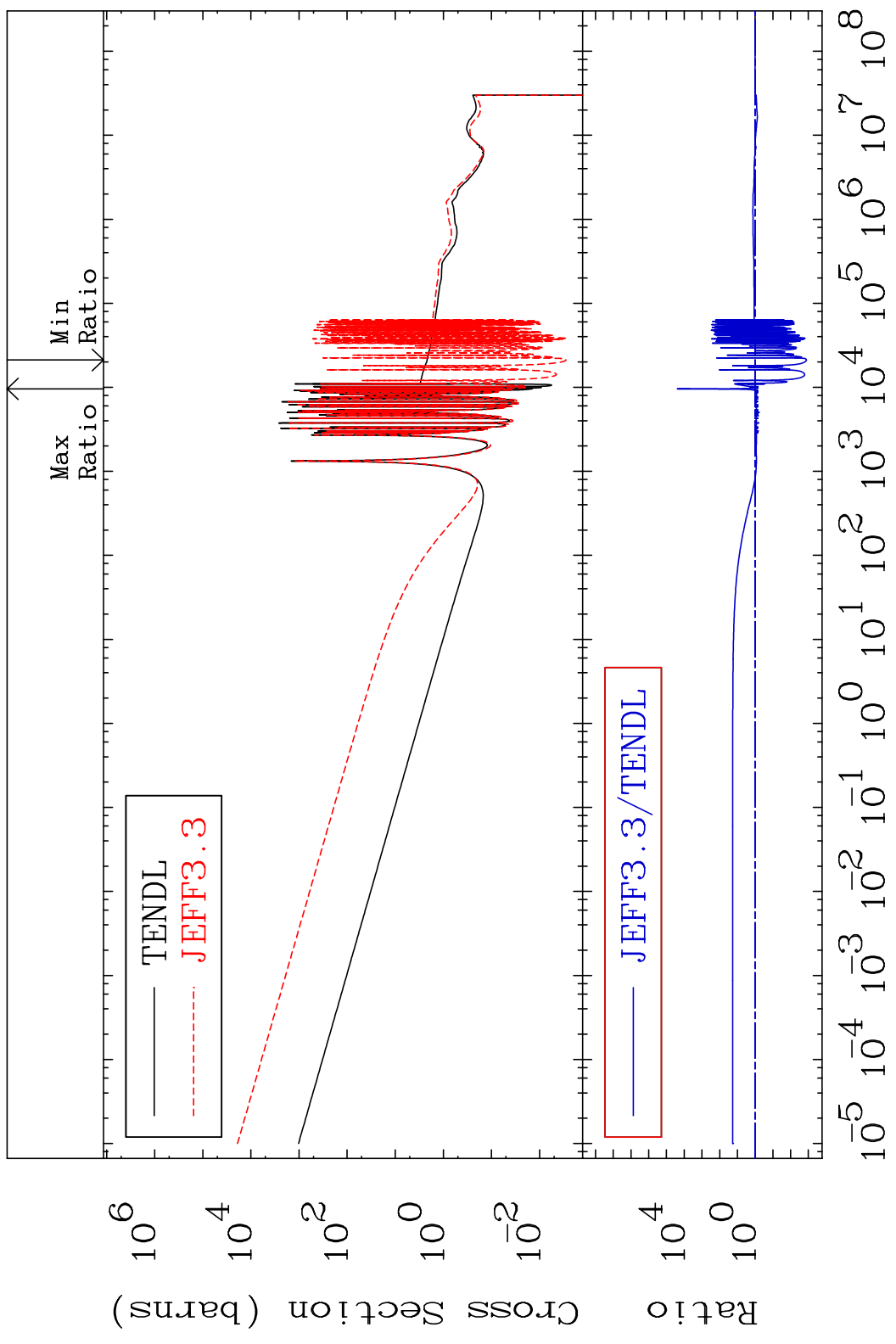


MAT 8037 Kerma fission (mt18 or mt19-20-21-38)80-Hg-200
 Cross Section -3766. To 641.7 %



MAT 8037

Kerma capture (mt102) 80-Hg-200
Cross Section -99.87 To 9999. %



88

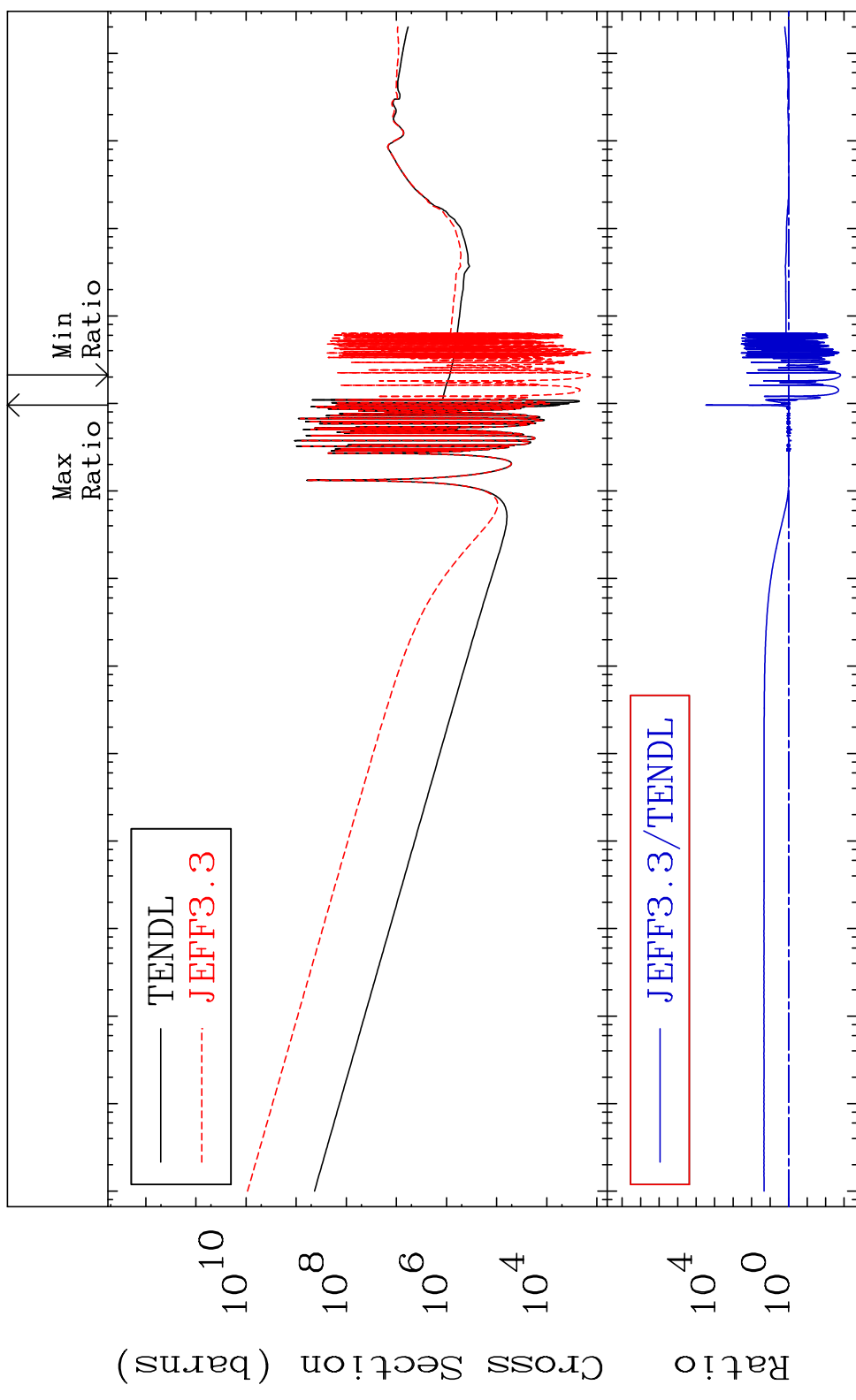
Incident Energy (eV) 80-Hg-200

MAT 8037

Total photon (eV-barns)

80-Hg-200

Cross Section -99.84 To 9999. %

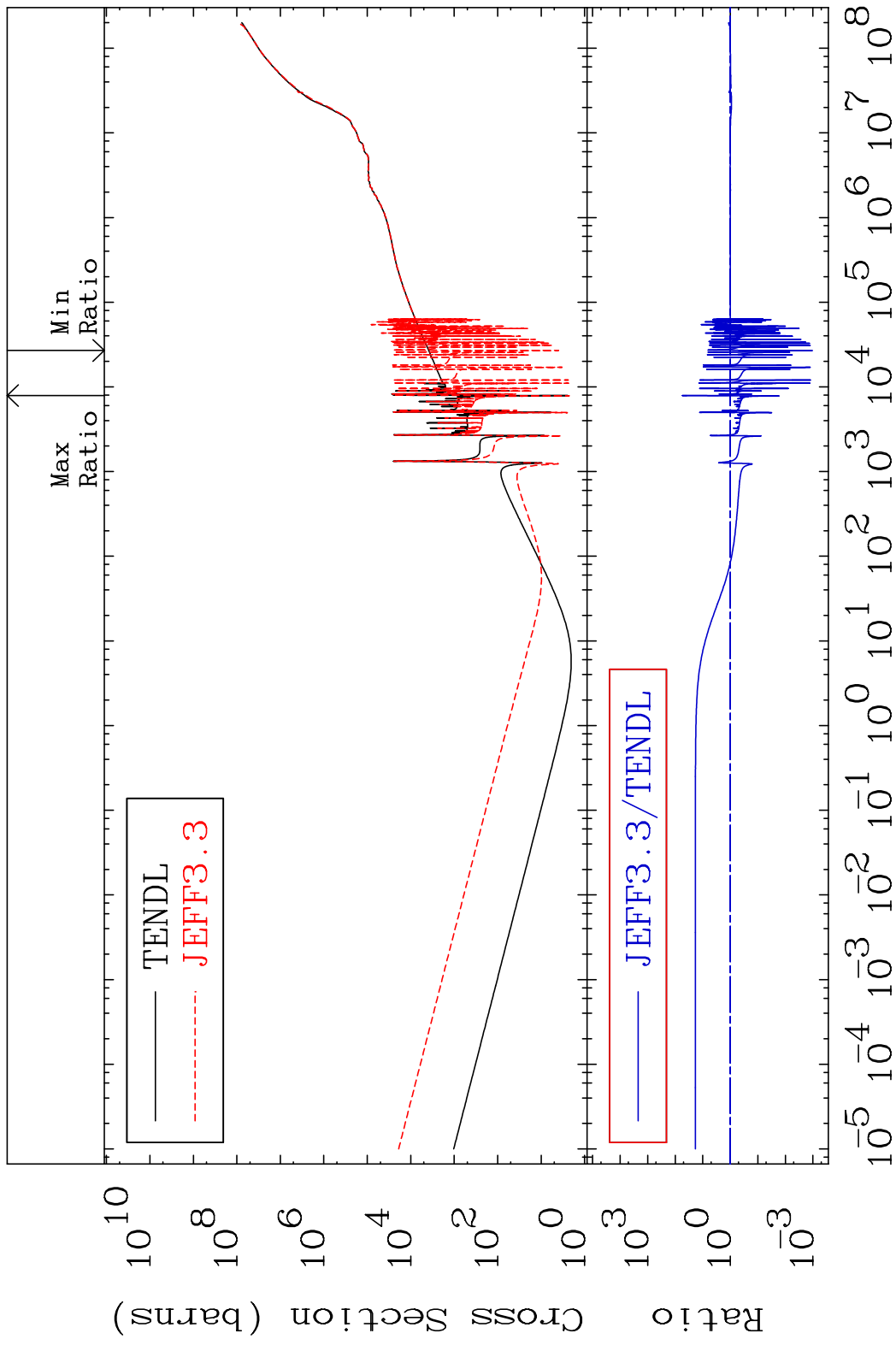


69

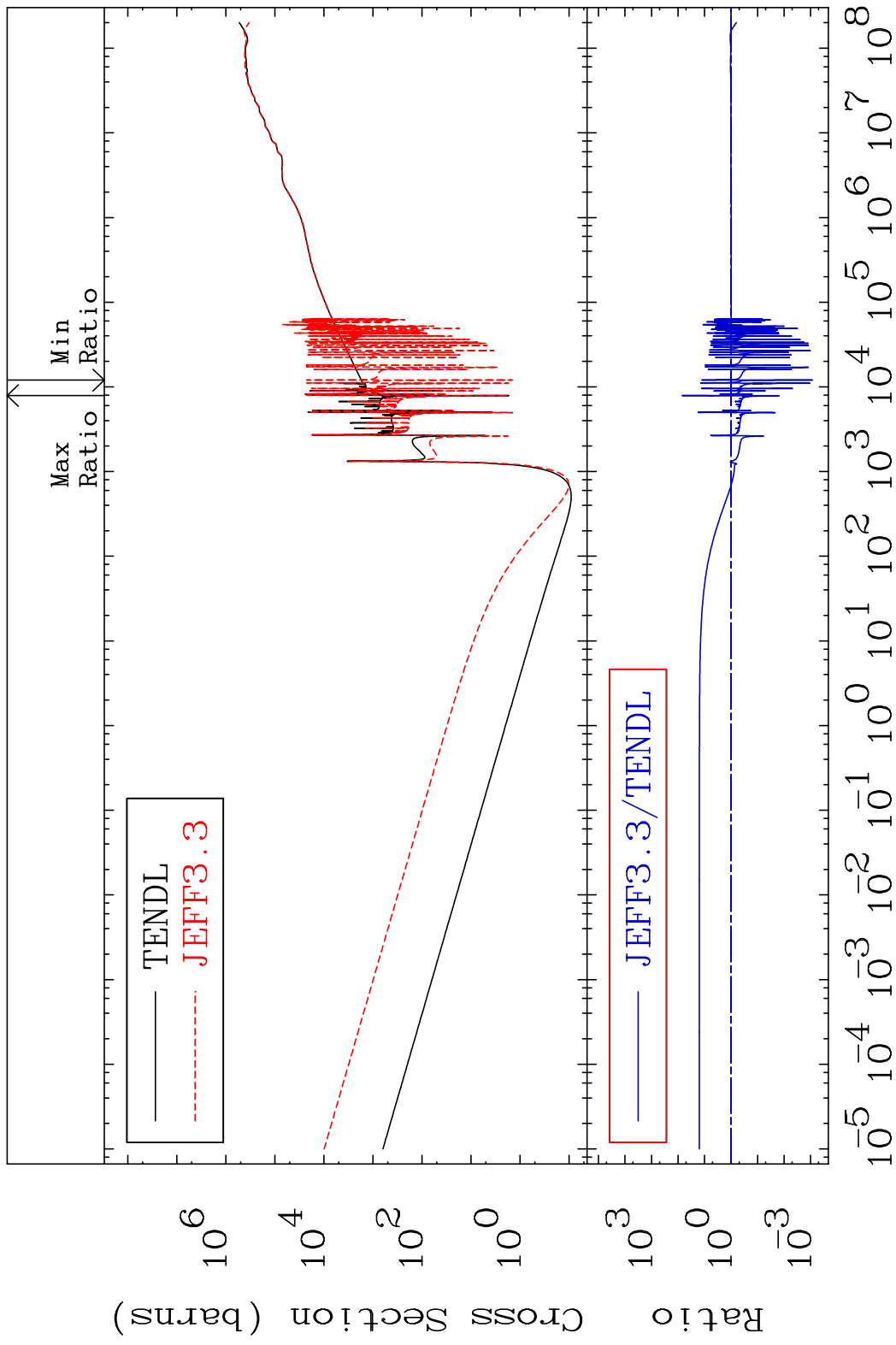
Incident Energy (eV)

80-Hg-200

MAT 8037 Total kinematic kerma (high limit) 80-Hg-200
 Cross Section -99.90 To 5406. %



MAT 8037 Dpa total (eV-barns) 80-Hg-200
 Cross Section -99.92 To 6778. %



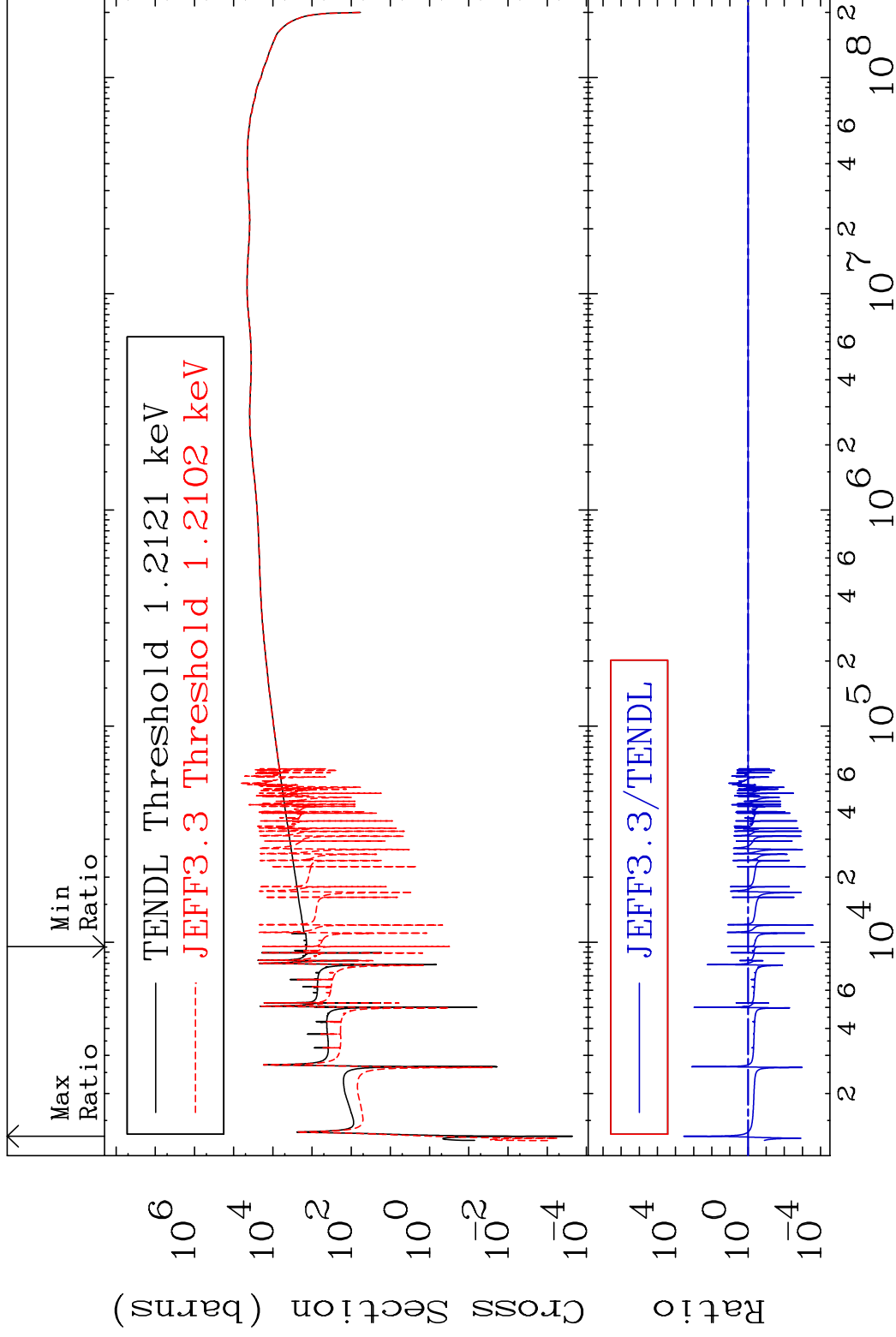
71 Incident Energy (eV) 80-Hg-200

MAT 8037

Dpa elastic (mt2)

80-Hg-200

Cross Section -99.98 To 9999. %



72

Incident Energy (eV)

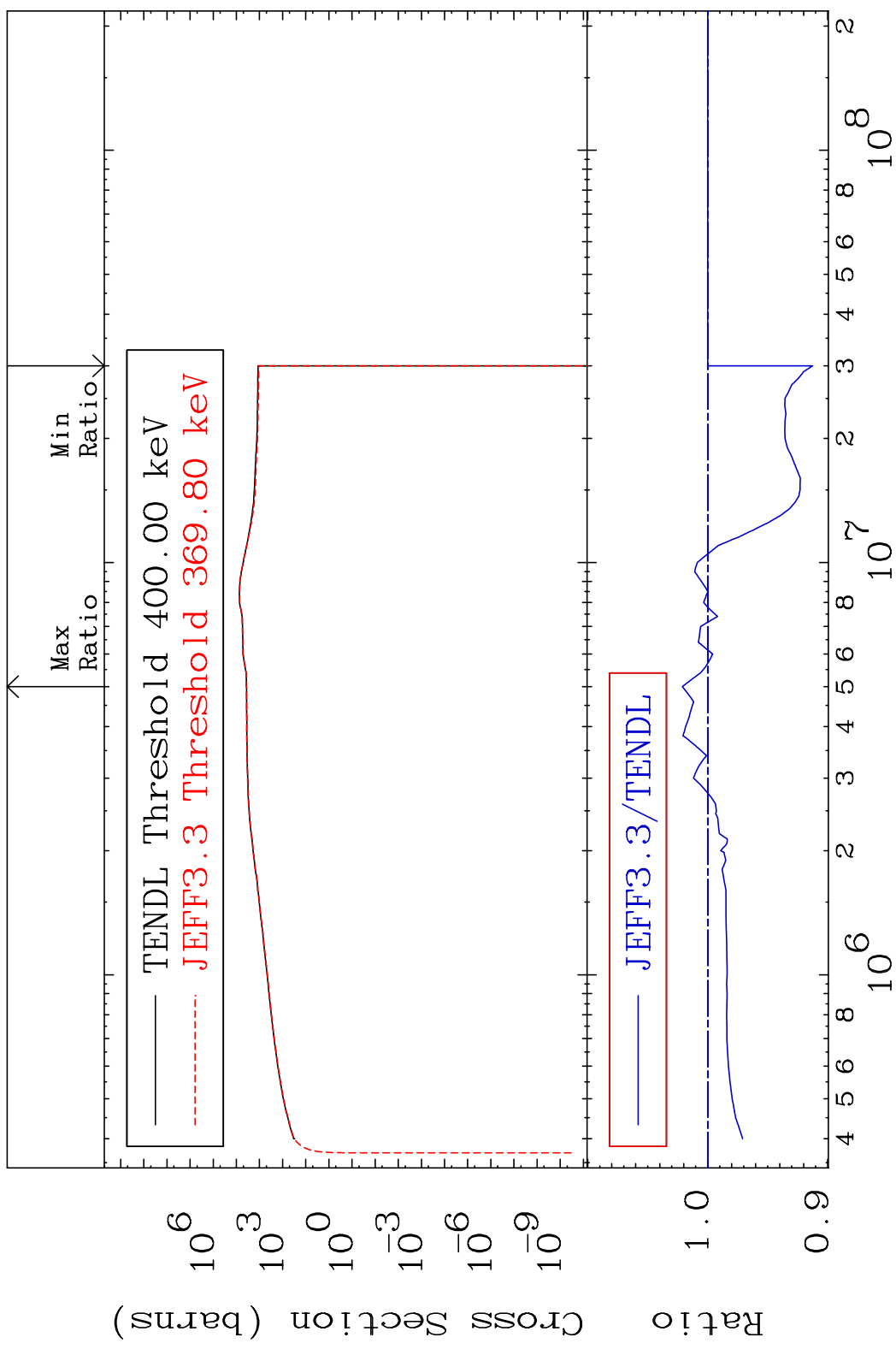
80-Hg-200

MAT 8037

Dpa inelastic (mt51-91)

80-Hg-200

Cross Section -8.740 To 2.114 %

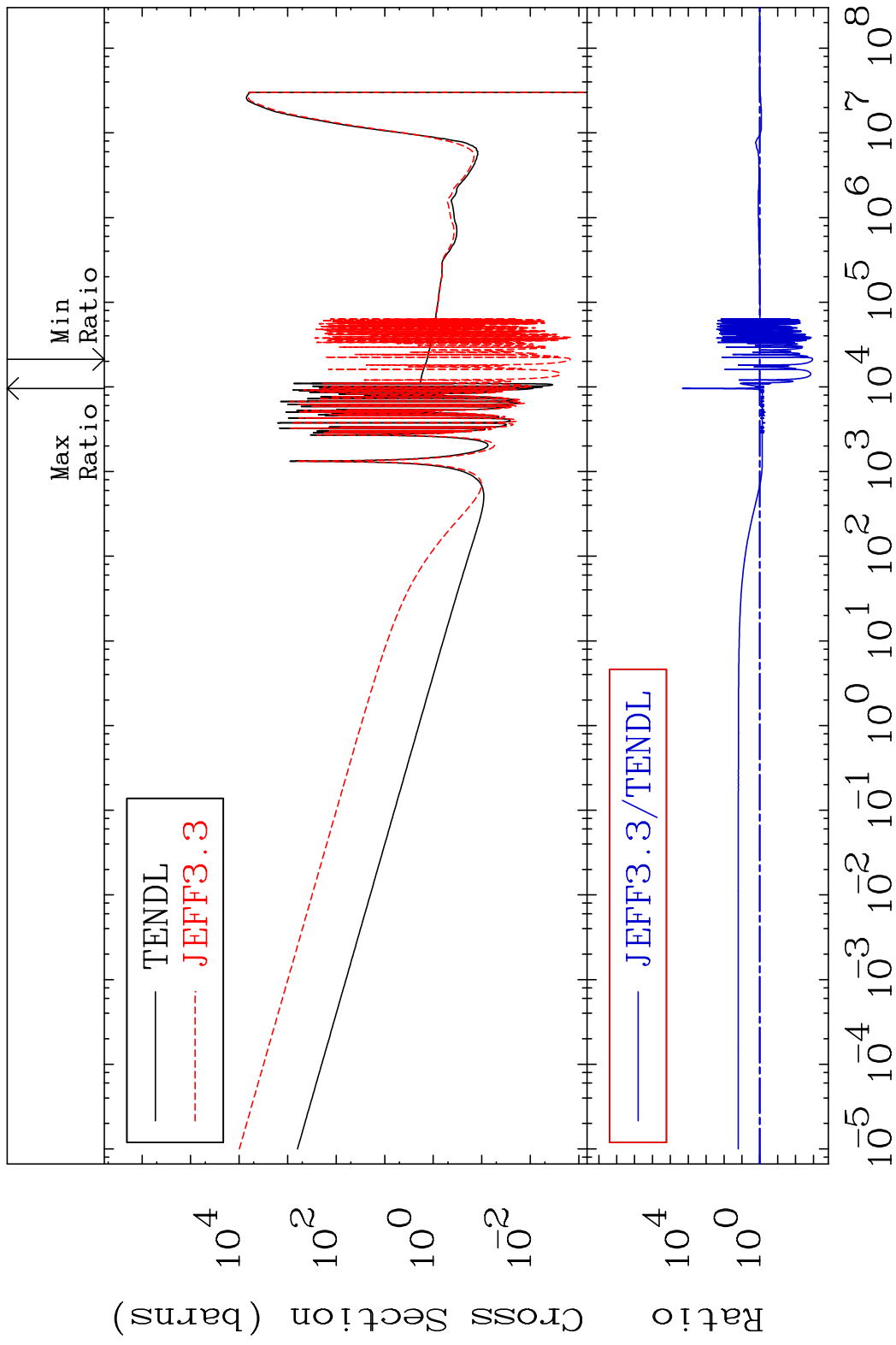


73

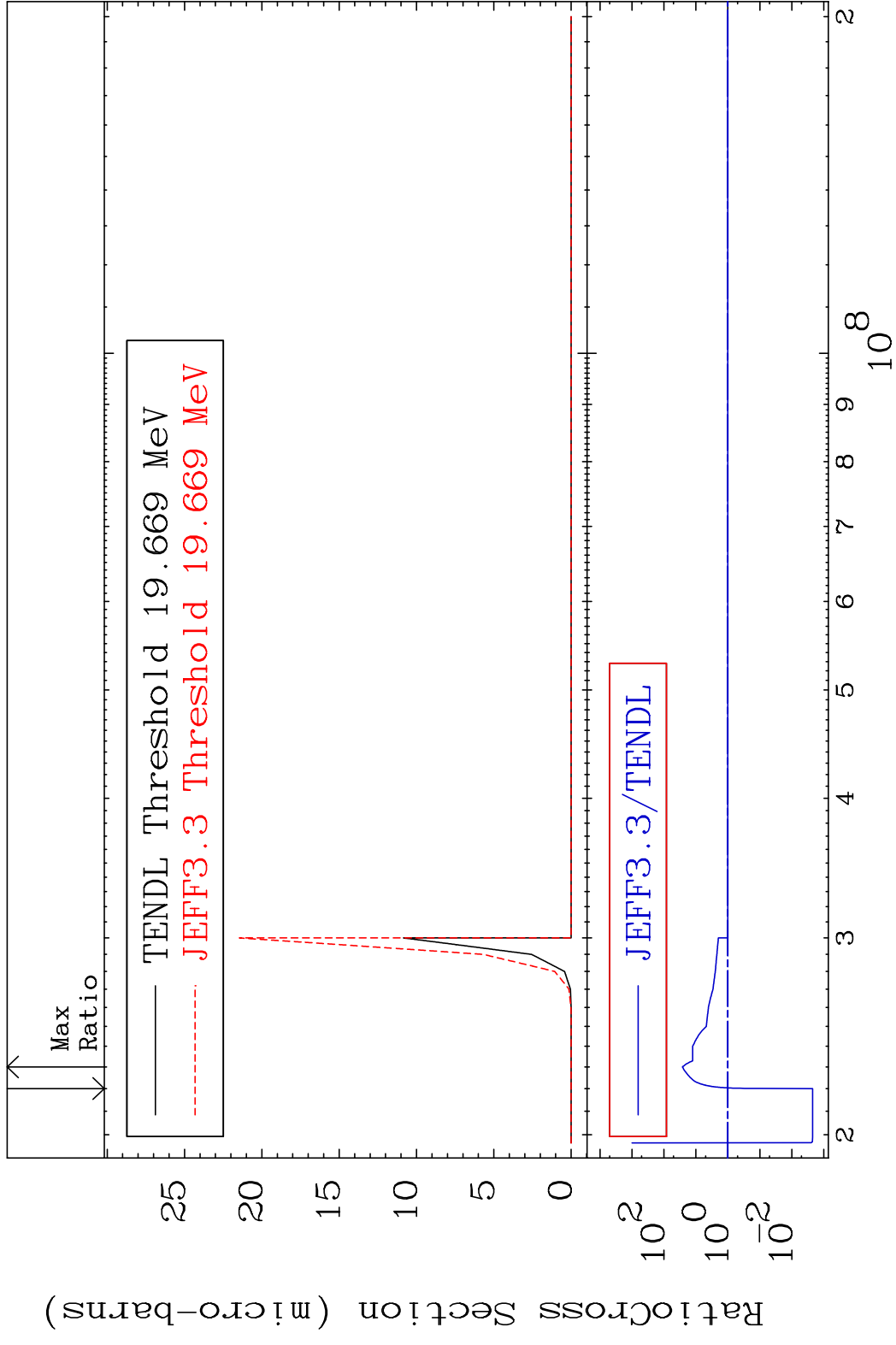
Incident Energy (eV)

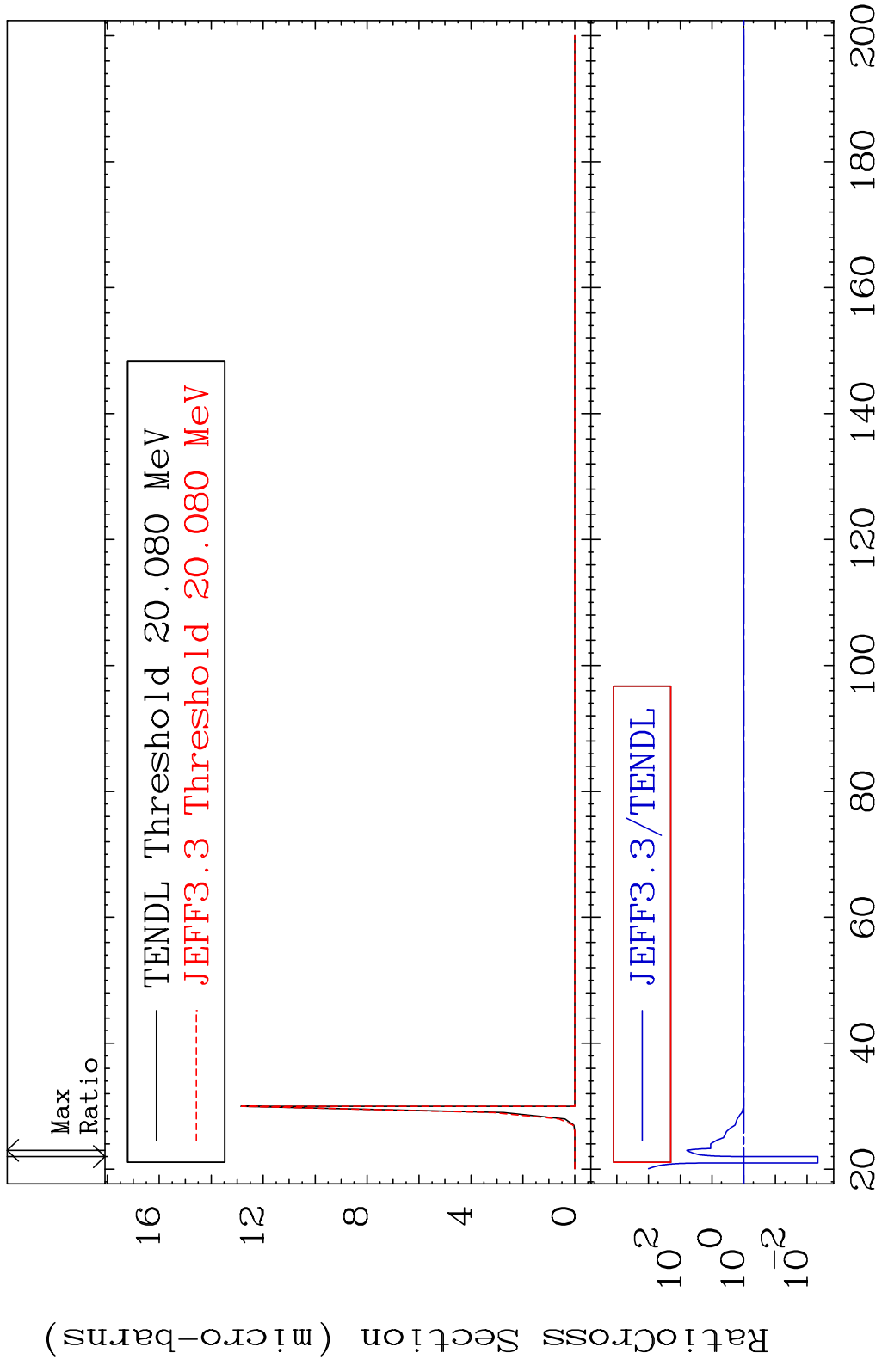
80-Hg-200

MAT 8037 Dpa disappearance (mt102 -120) 80-Hg-200
 Cross Section -99.89 To 9999. %

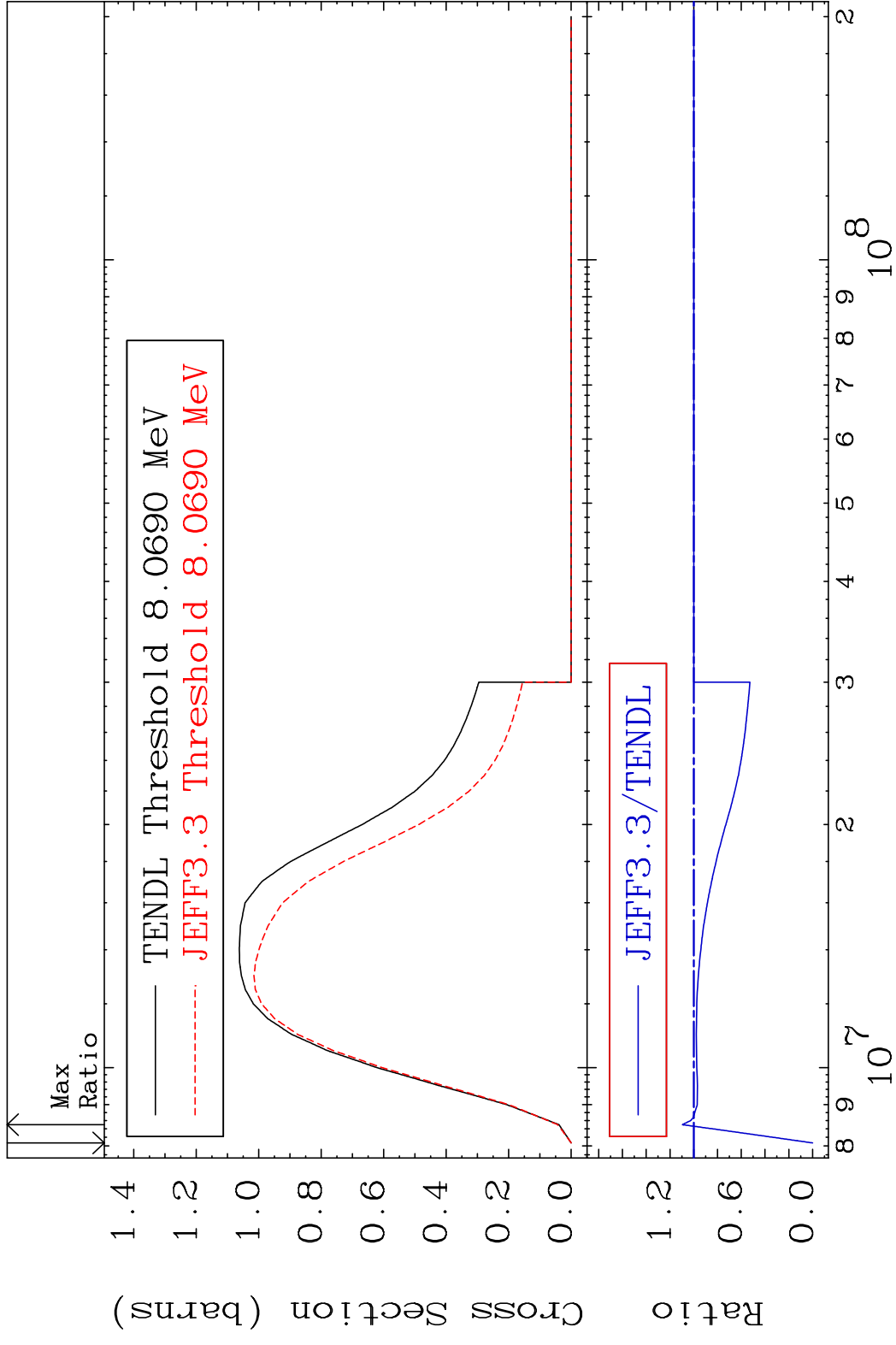


MAT 8037 (n,2n) d:79-Au-197g 80-Hg-200
 Radionuclide Production Cross Section 98.6781 dth 25556. %

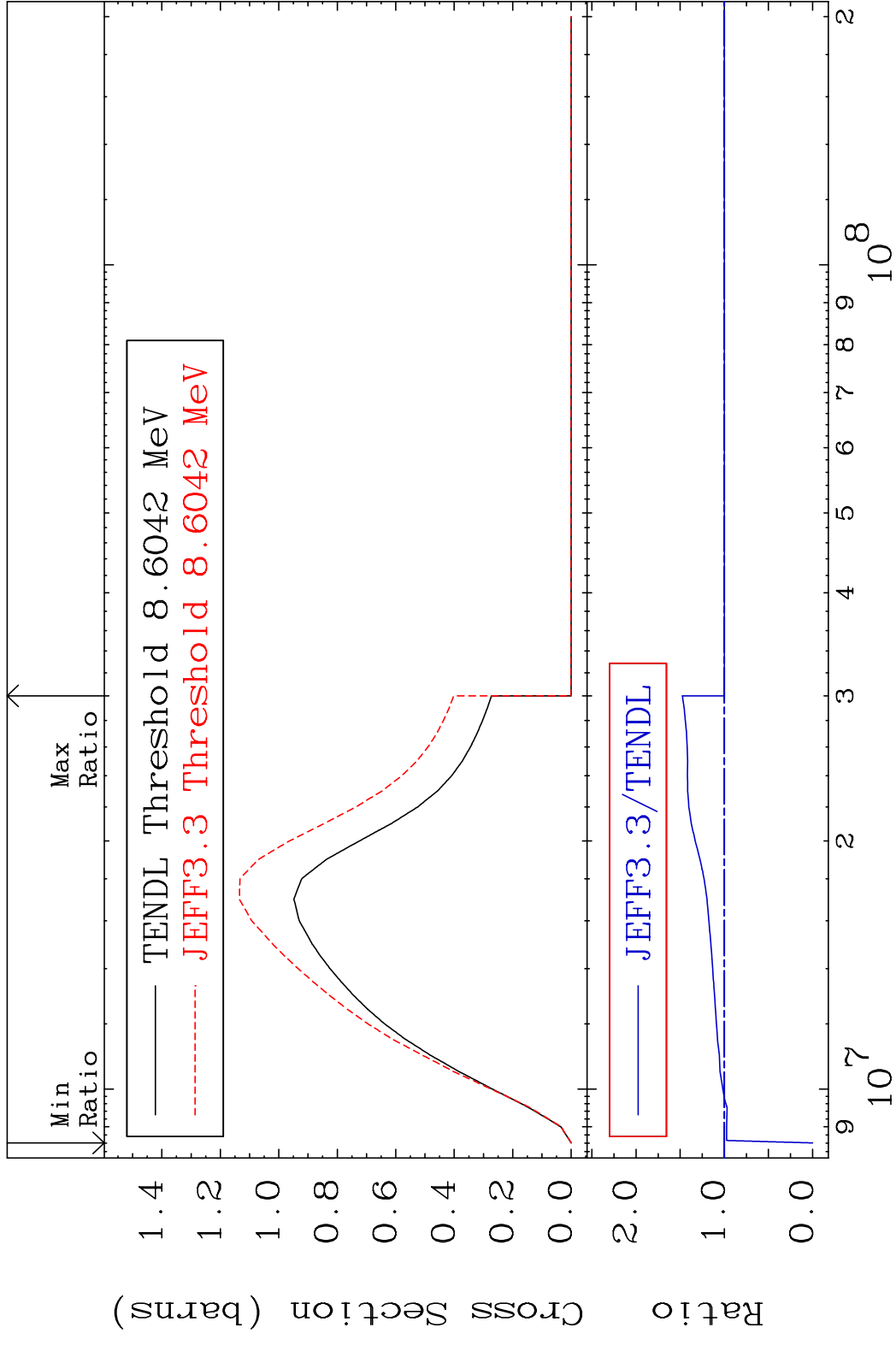




MAT 8037 (n,2n):80-Hg-199g 80-Hg-200
 Radionuclide Production Cross Section Ratio 9.580 %

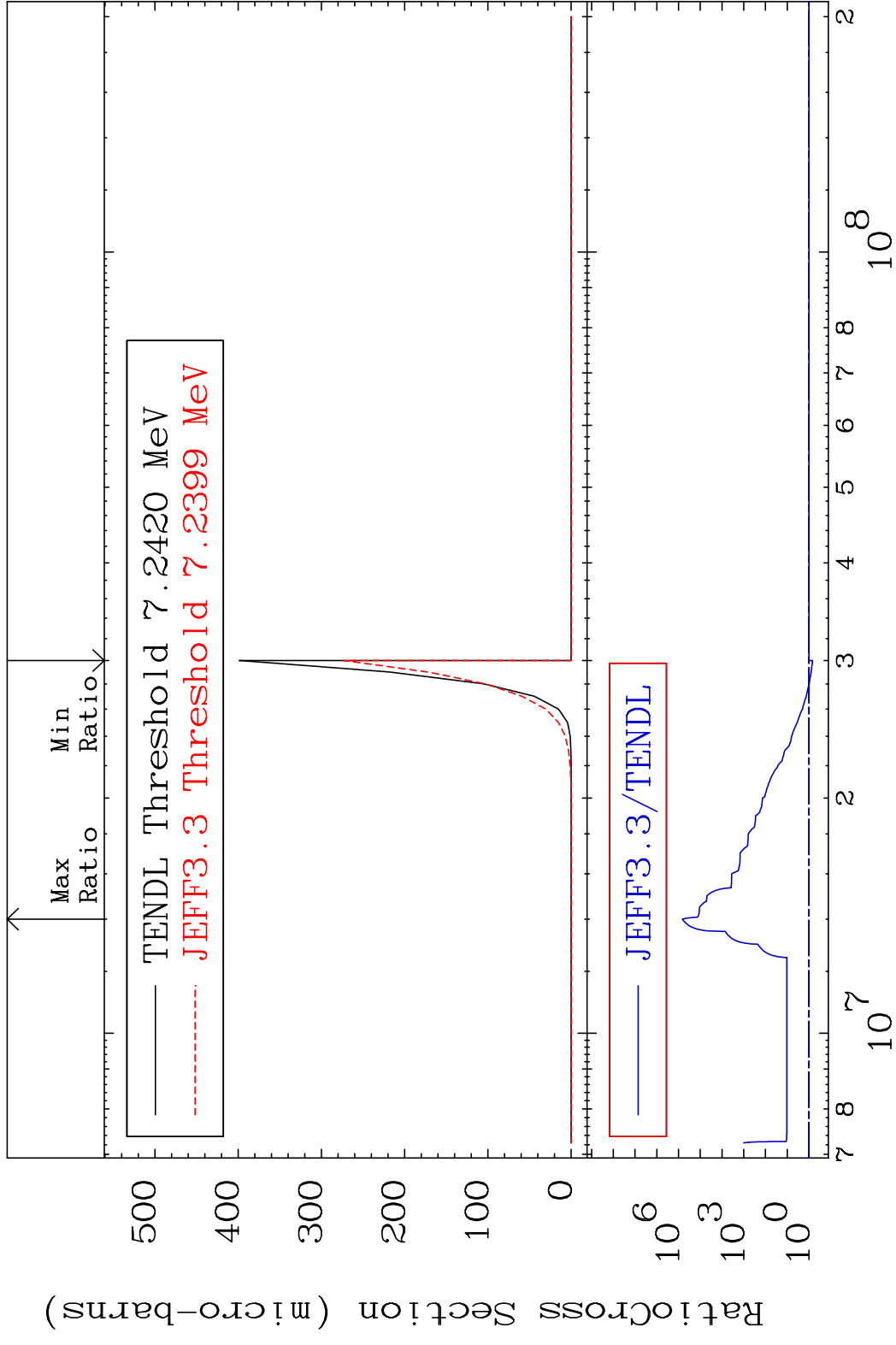


MAT 8037 (n,2n):80-Hg-199m7 80-Hg-200
 Radionuclide Production Cross Section 1800.0 dth 47.56 %

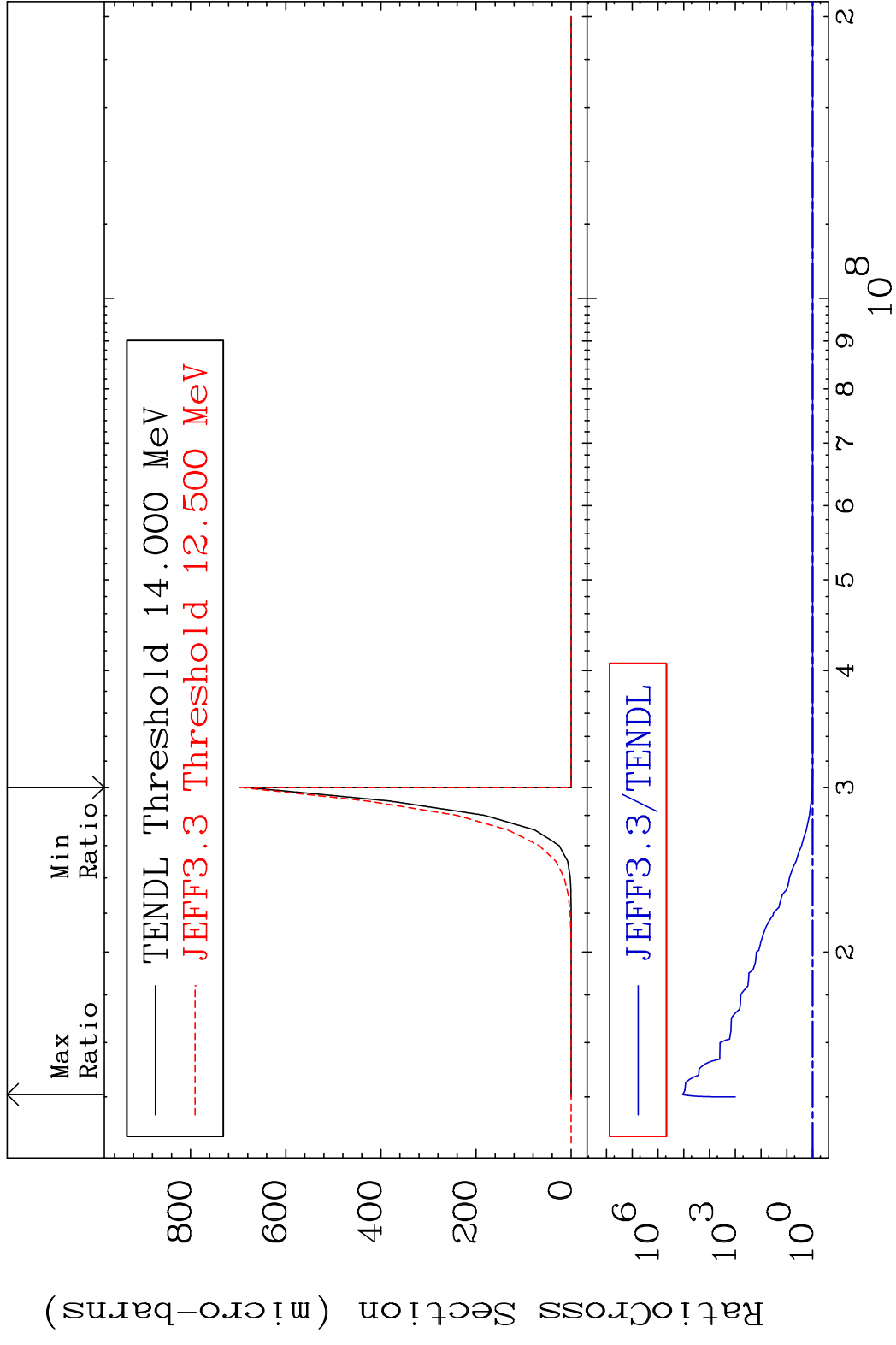


78 Incident Energy (eV) 80-Hg-200

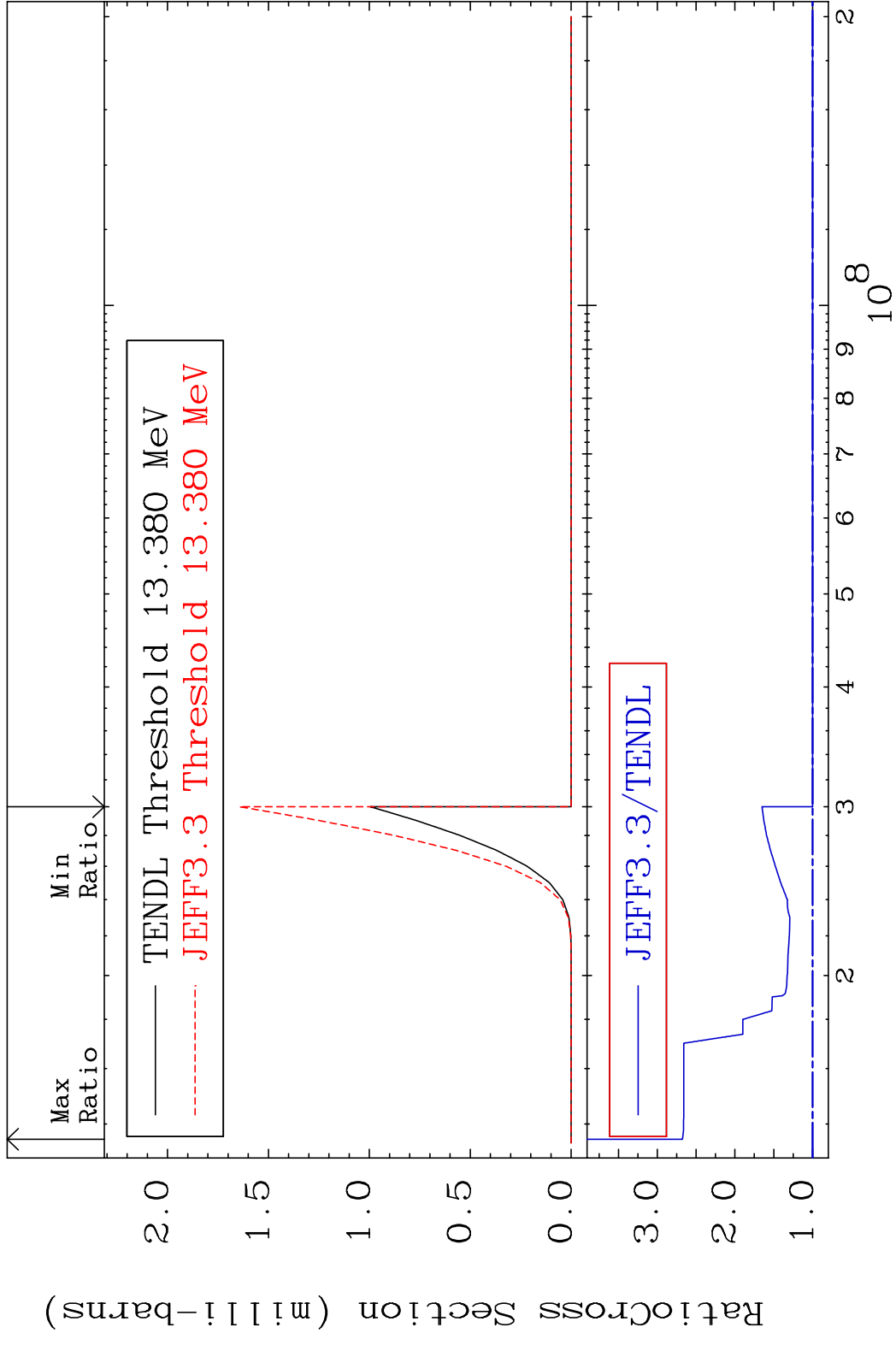
MAT 8037 (n,2n) α :78-Pt-195g 80-Hg-200
 Radionuclide Production Cross Section 9999. %



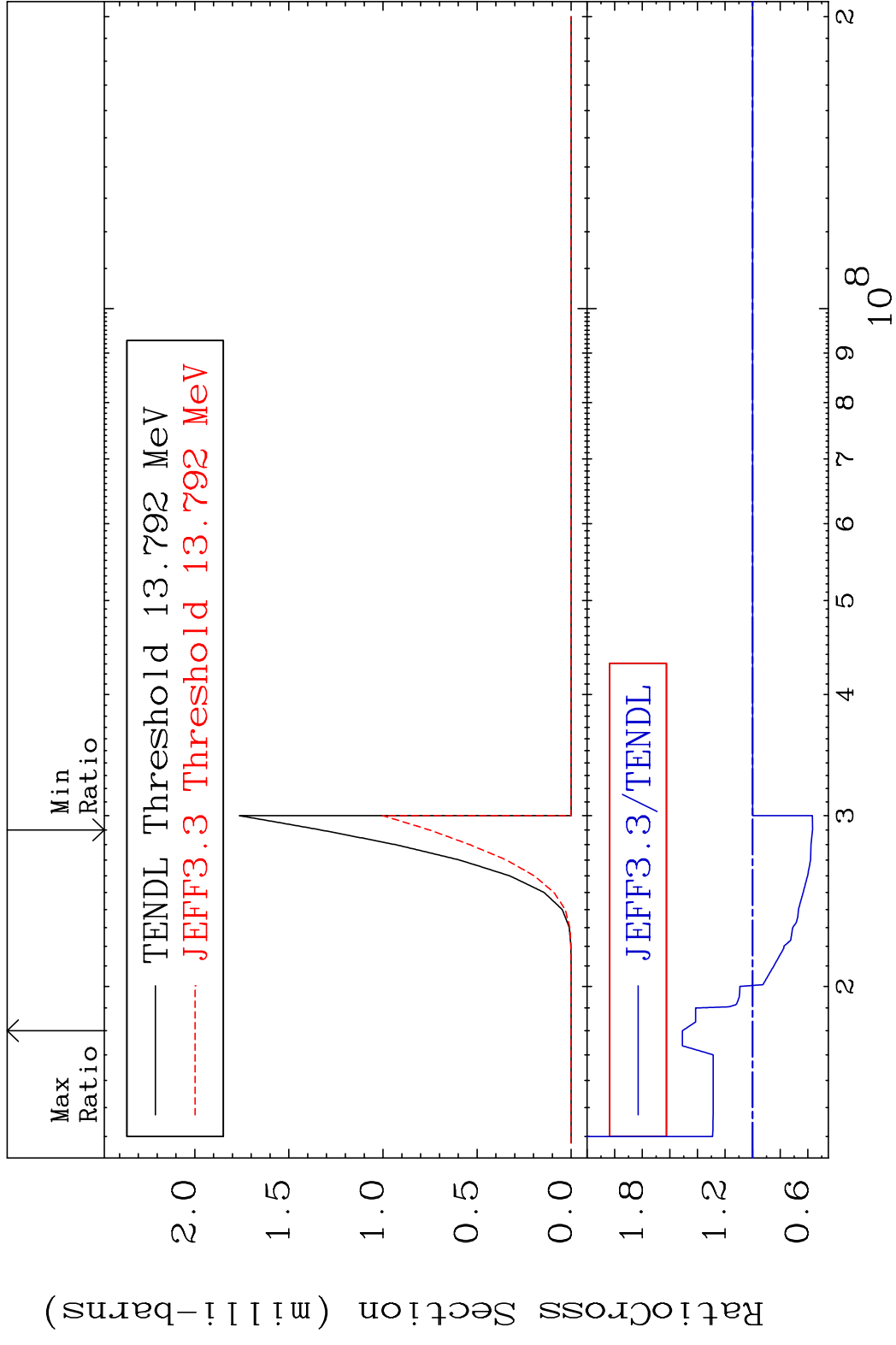
MAT 8037 (n,2n) α :78-Pt-195m7 80-Hg-200
 Radionuclide Production Cross Section 9999. %



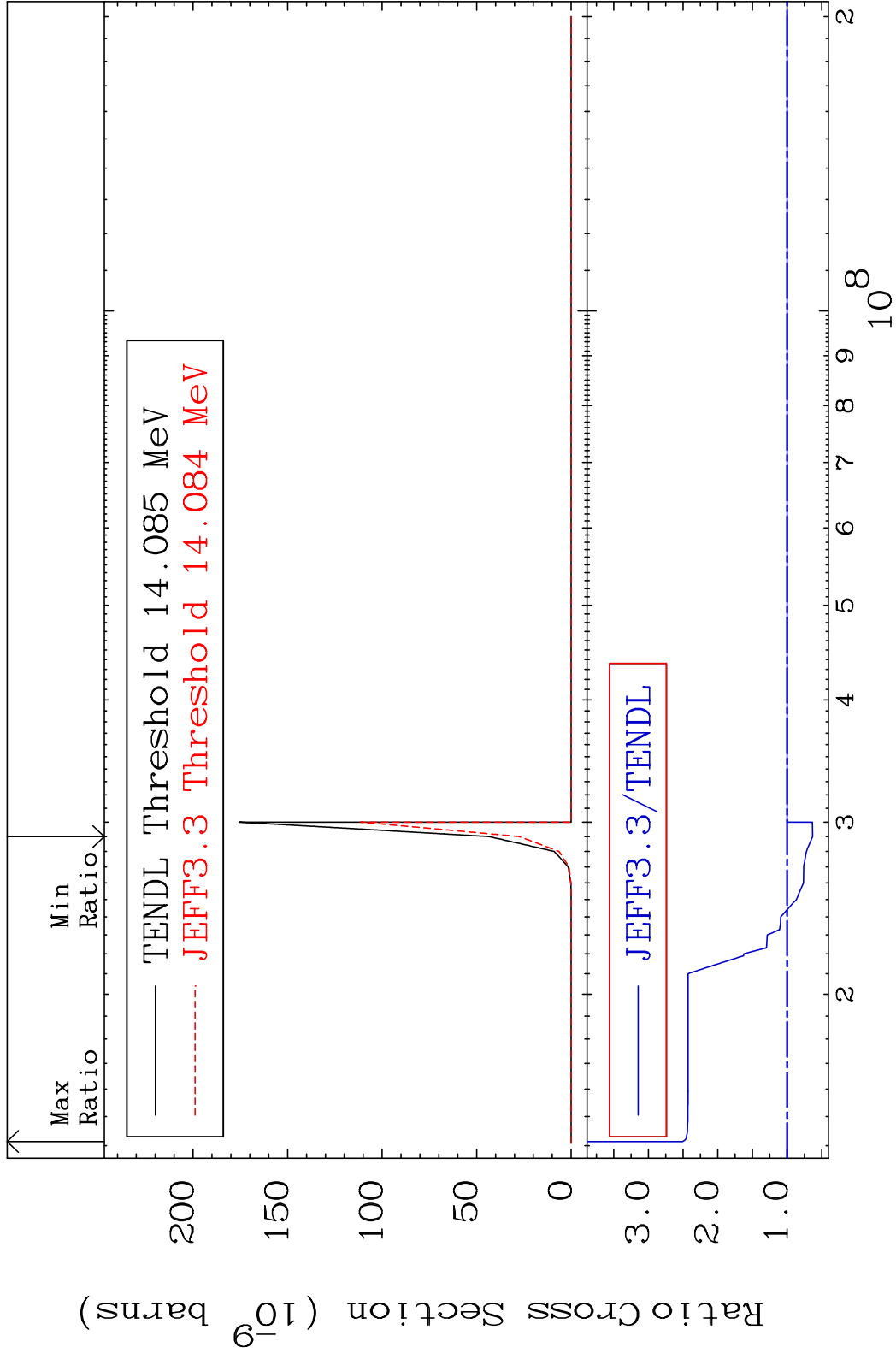
MAT 8037 (n, n') t:79-Au-197g 80-Hg-200
 Radionuclide Production Cross Section 167.7 %

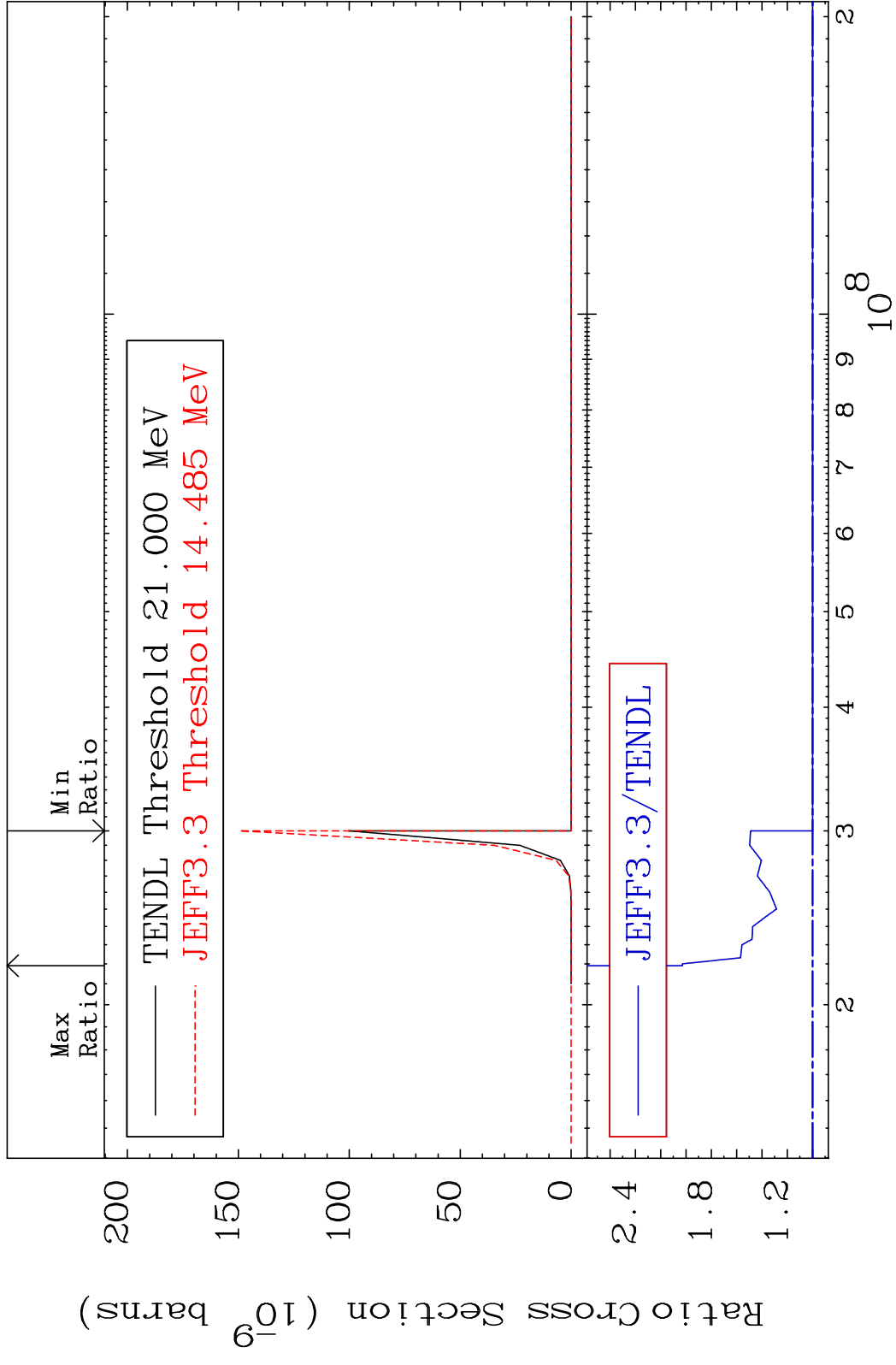


MAT 8037 (n, n') t:79-Au-197m4 80-Hg-200
 Radionuclide Production Cross Section 43616 to 50.99 %

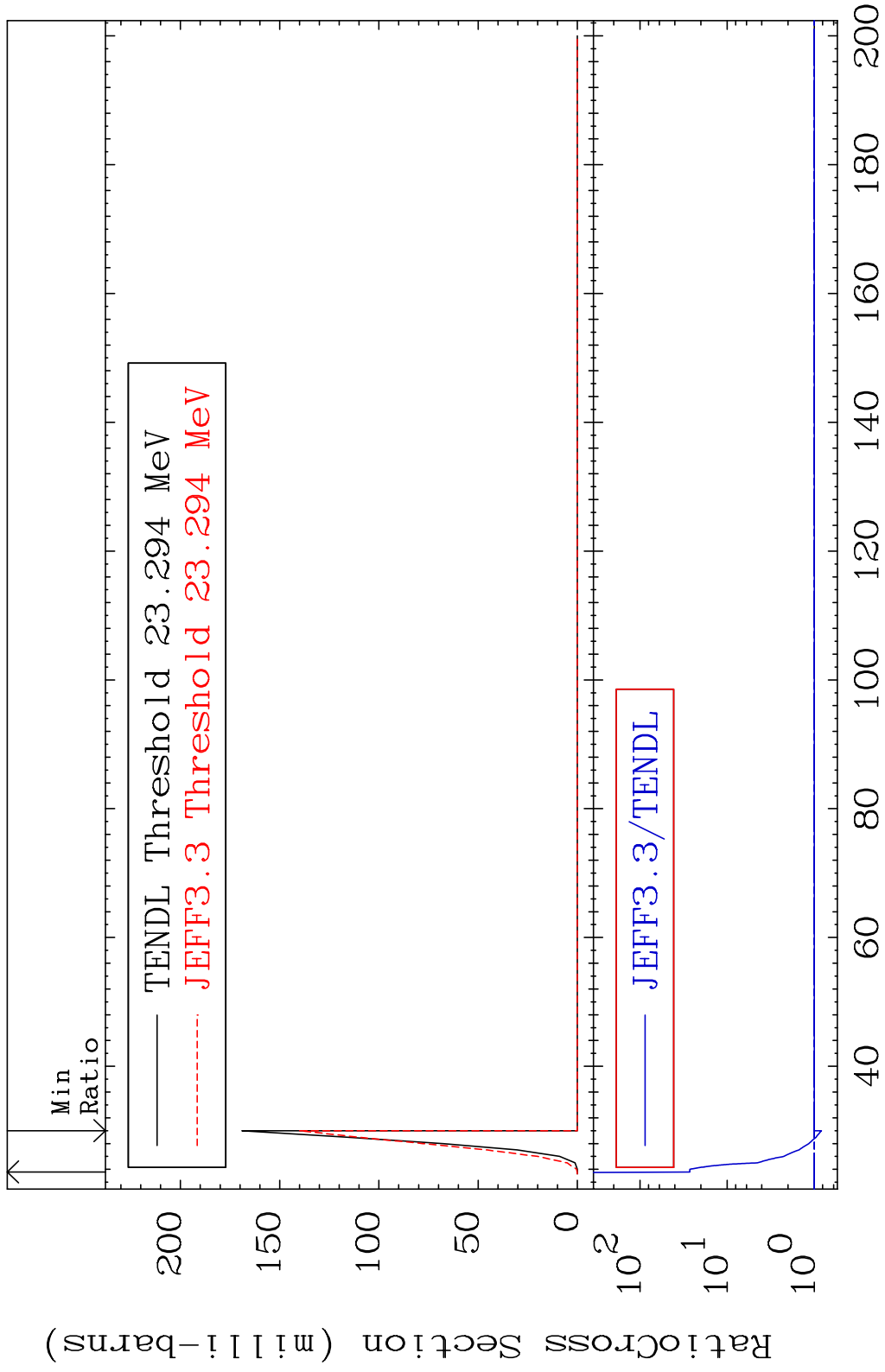


MAT 8037 (n, n') He-3:78-Pt-197g 80-Hg-200
 Radionuclide Production Cross Section 36.681 d/o 150.9 %

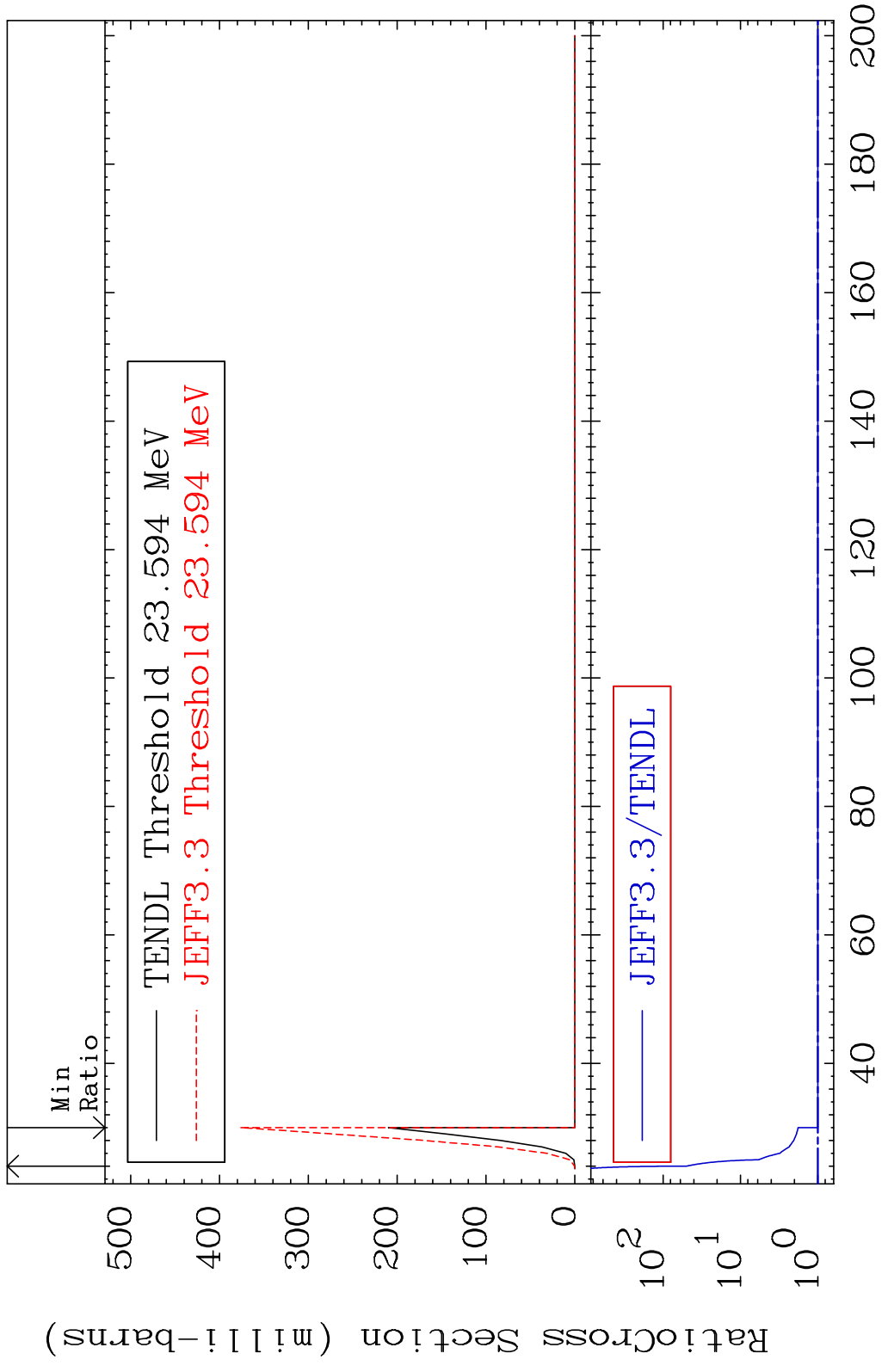


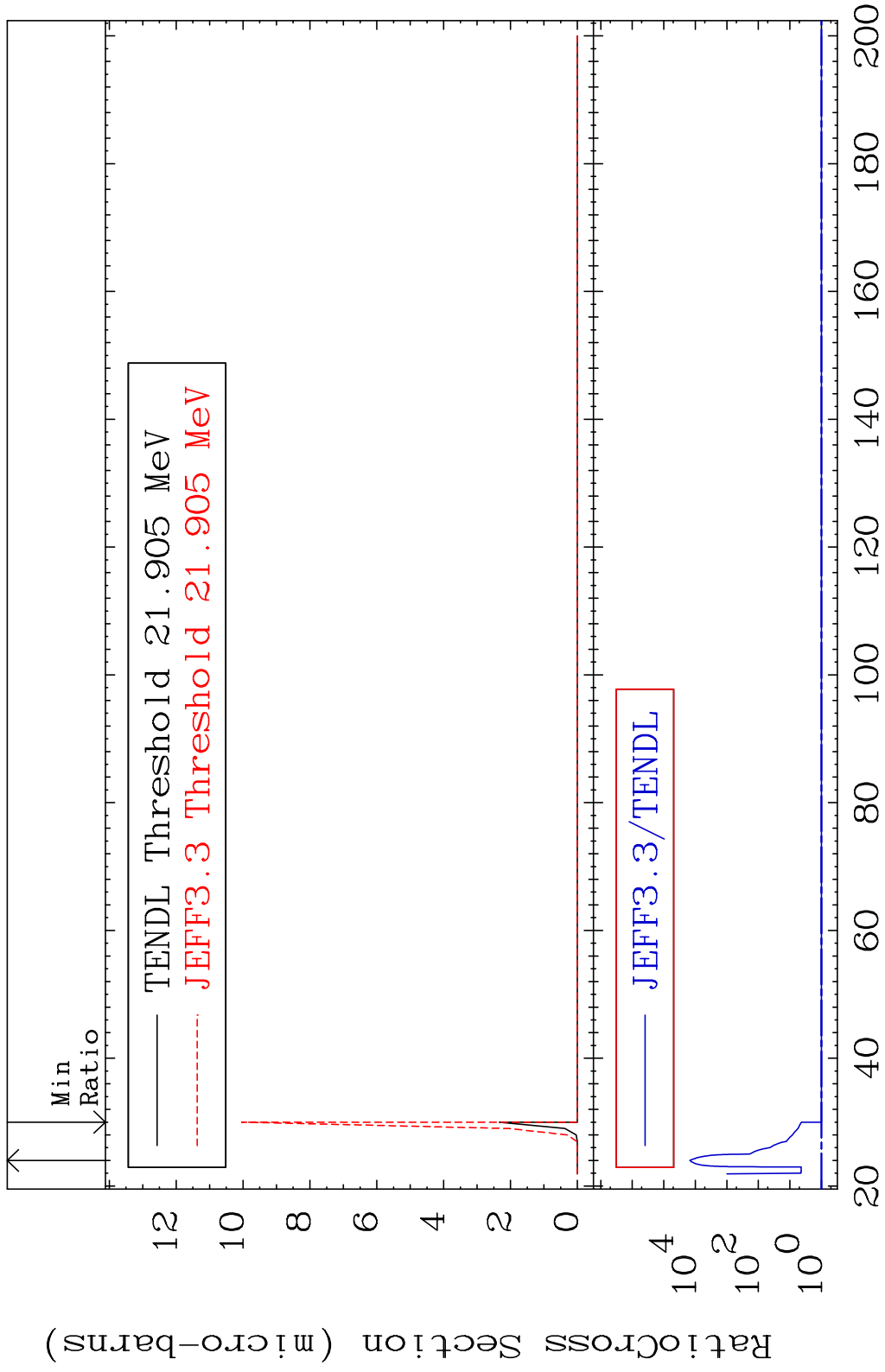


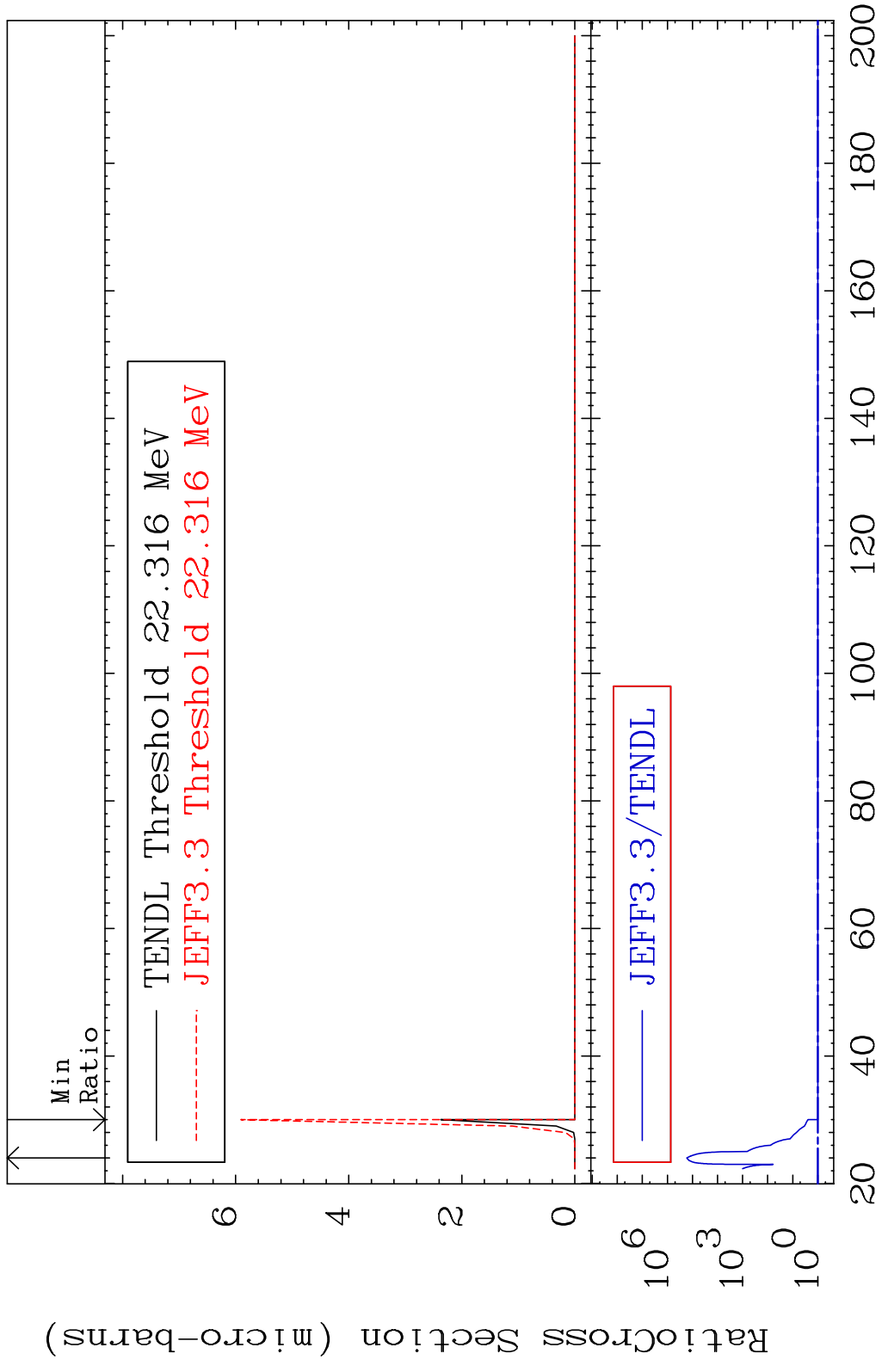
MAT 8037 (n,4n):80-Hg-197g 80-Hg-200
 Radionuclide Production Cross Section 15649.110 2586. %



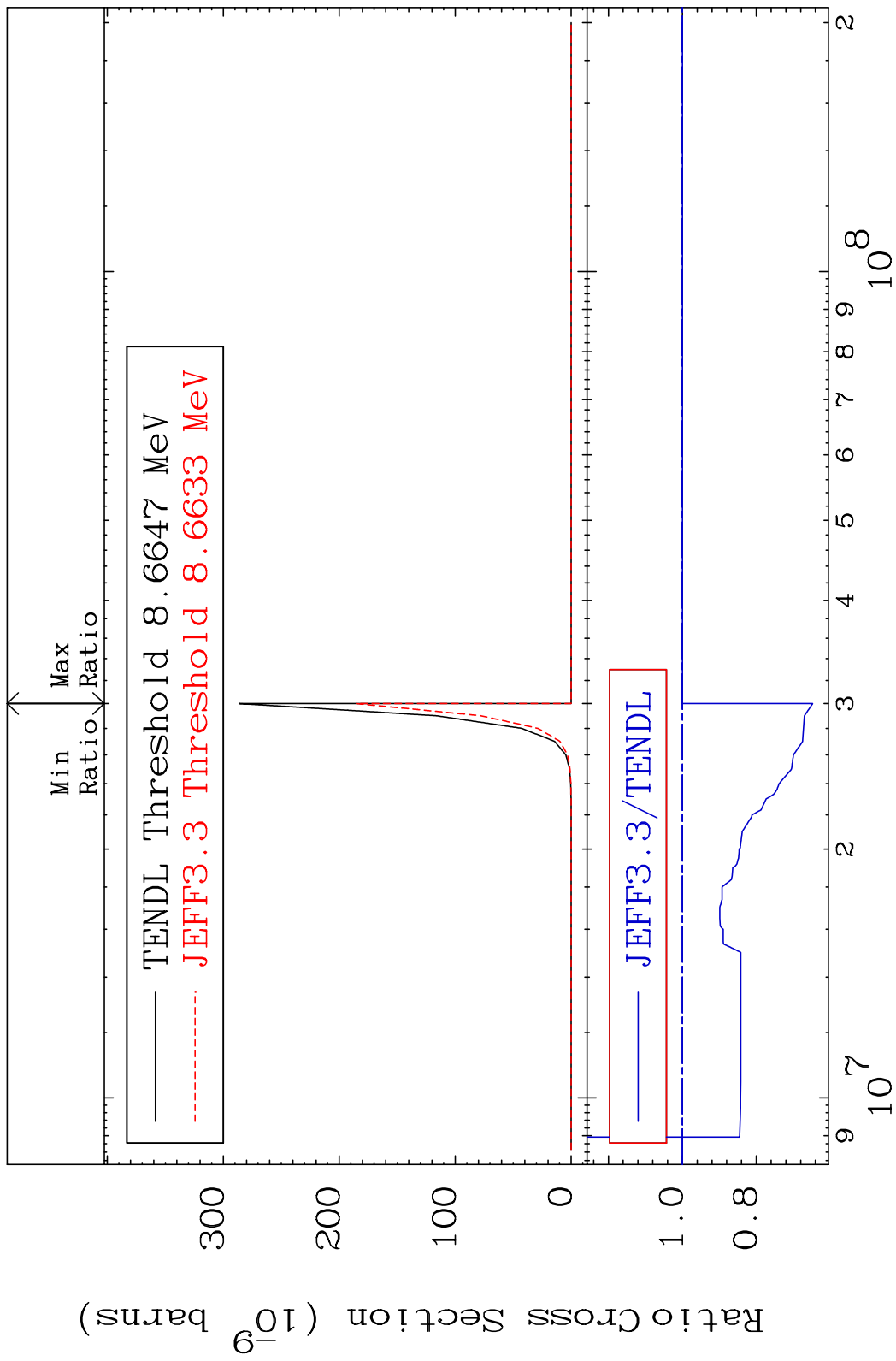
MAT 8037 (n, 4n):80-Hg-197m4 80-Hg-200
 Radionuclide Production Cross Section 4844. %

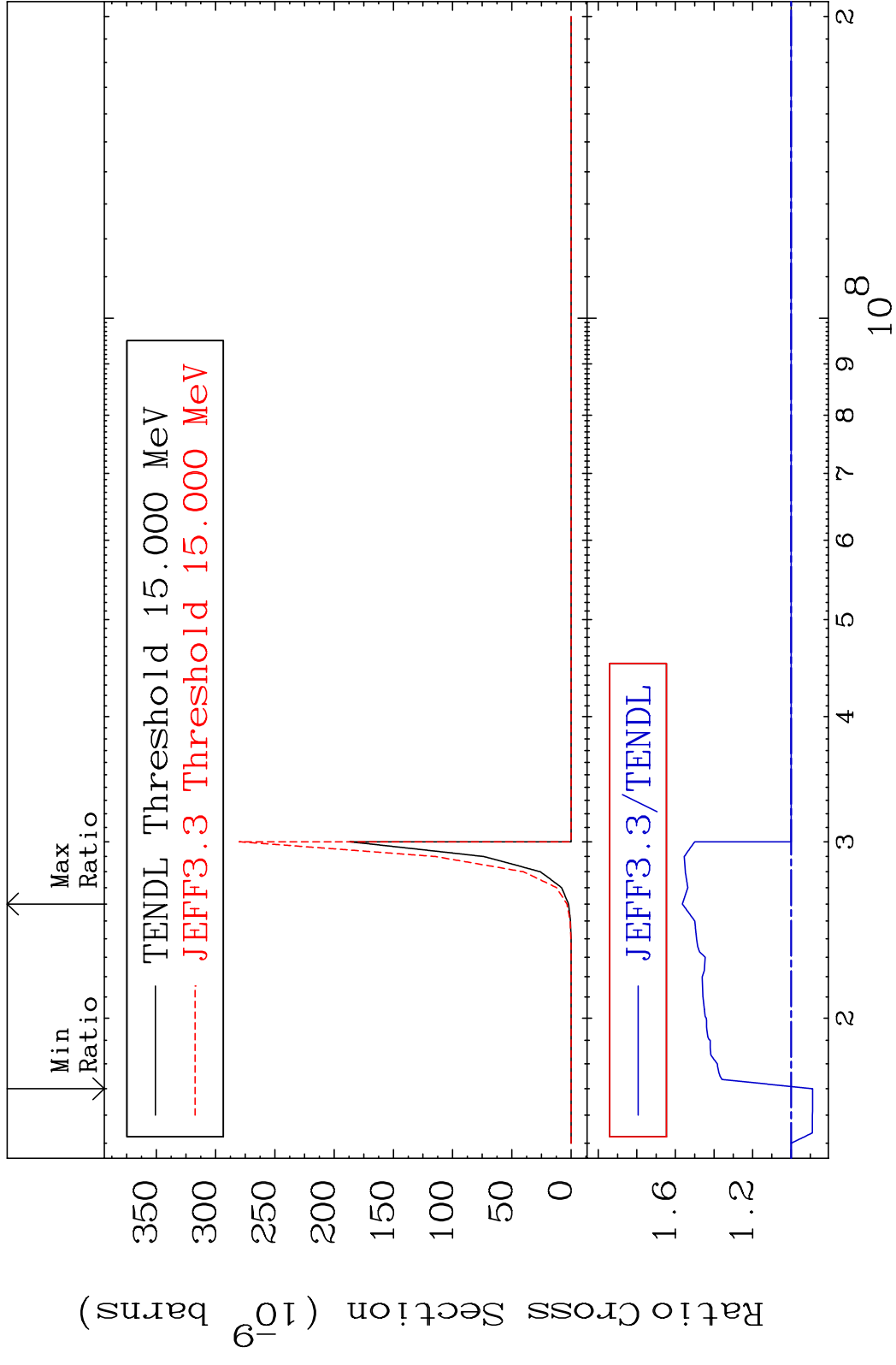






MAT 8037 (n,2p):78-Pt-199g 80-Hg-200
 Radionuclide Production Cross Section 35.221 dpo 0.000 %





MAT 8037 (n, p) α : 77-Ir-196g 80-Hg-200
 Radionuclide Production Cross Section Ratio 9999. %

