

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

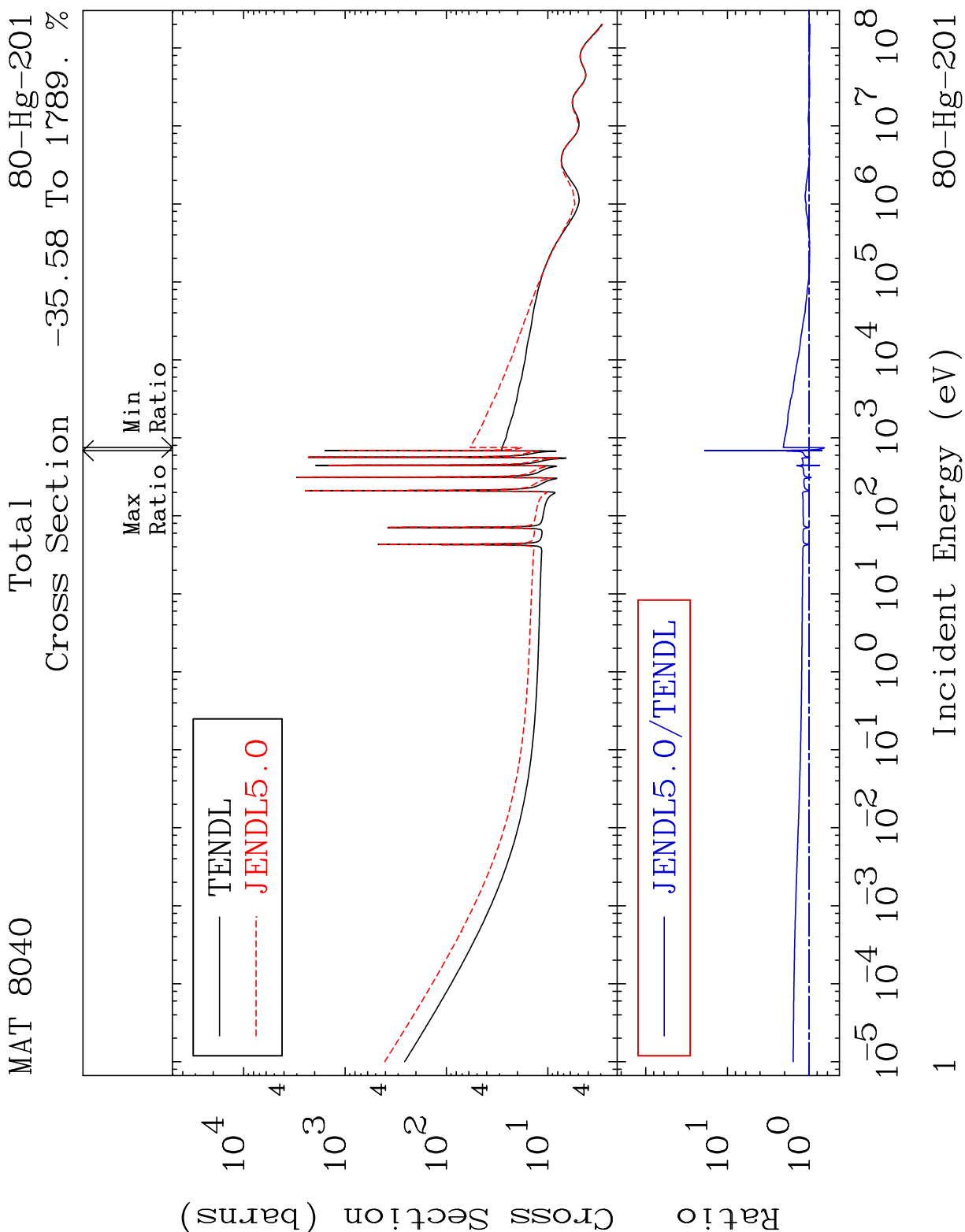
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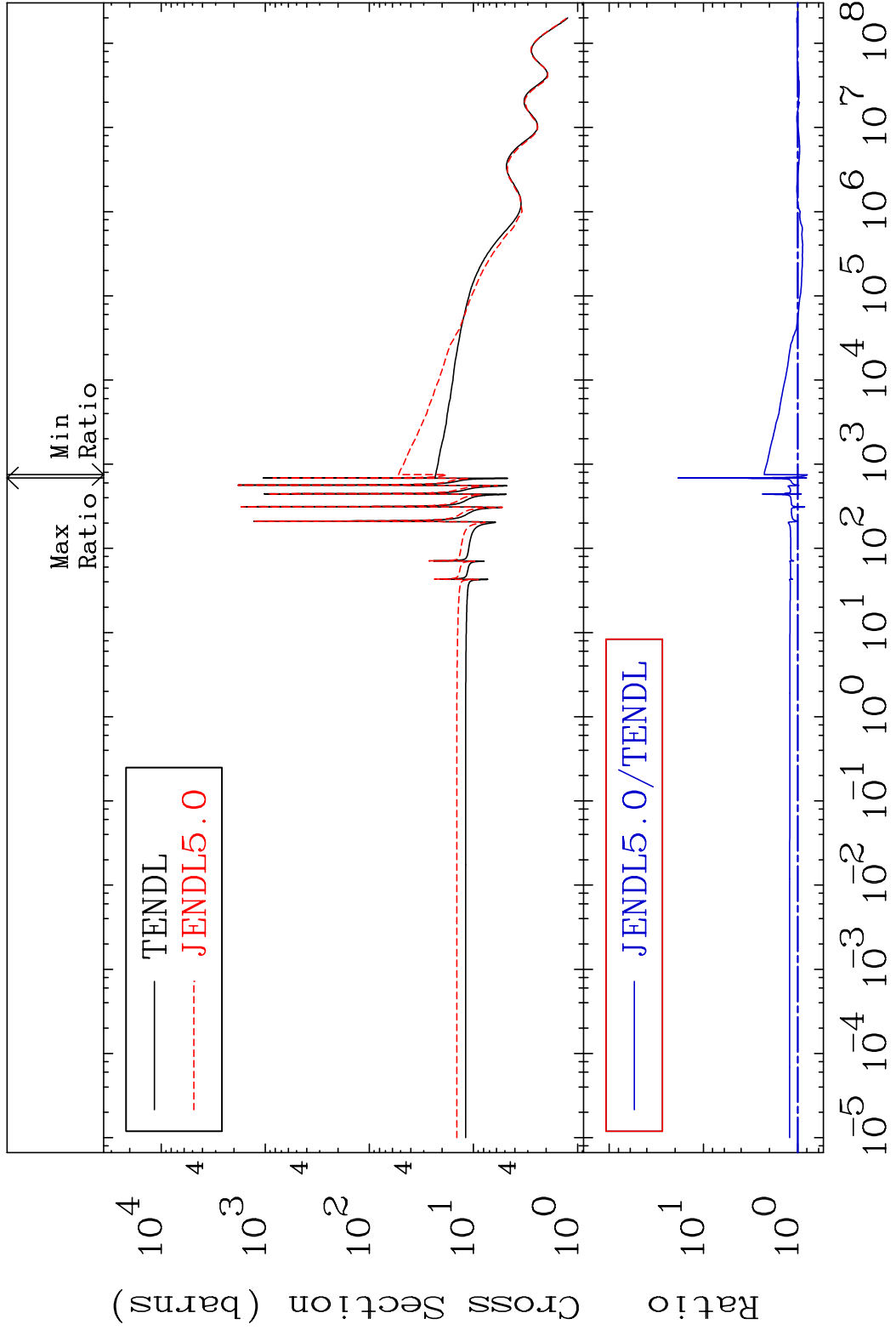
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

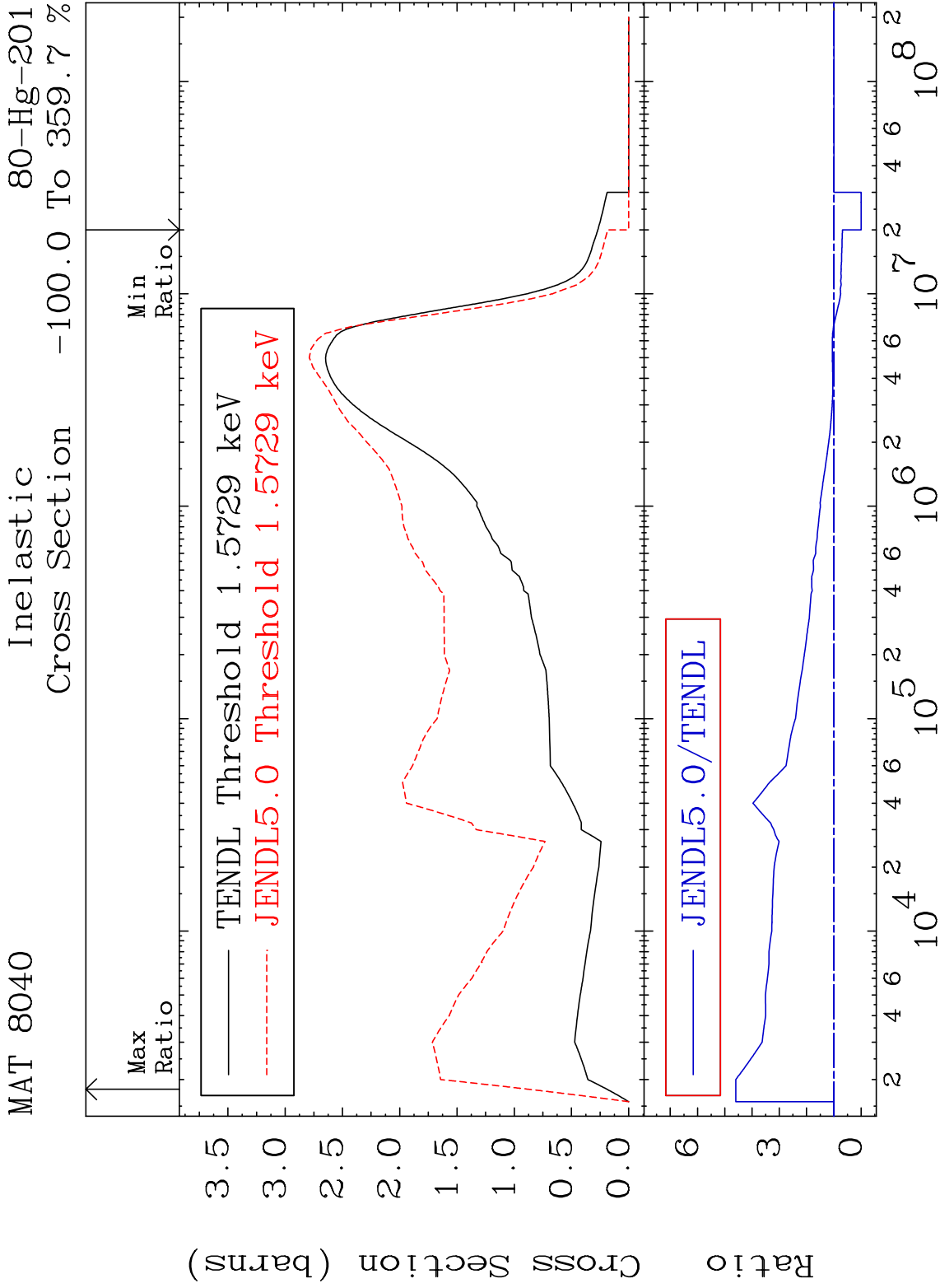


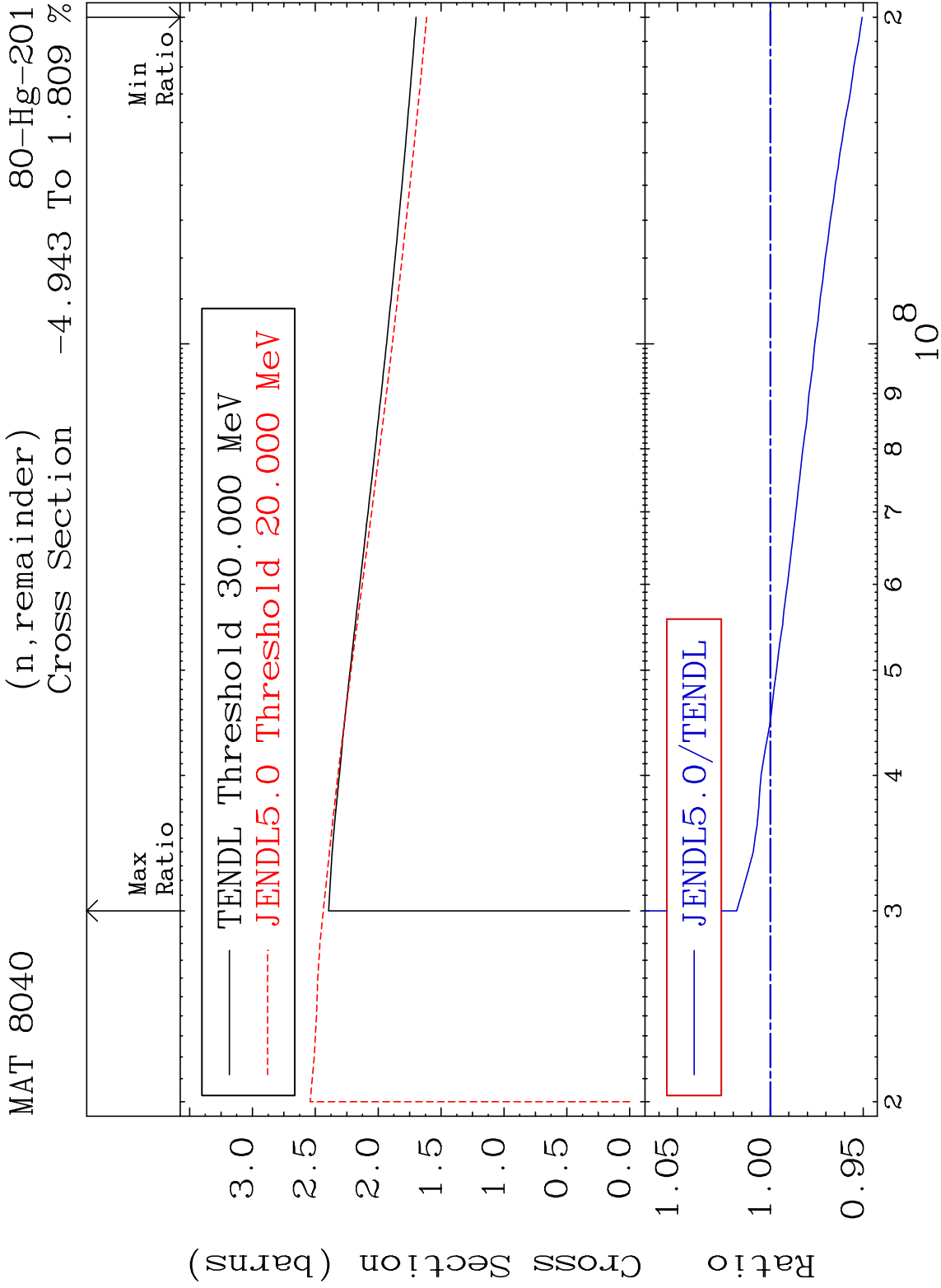
1 Incident Energy (eV) 80-Hg-201

MAT 8040 Elastic 80-Hg-201
Cross Section -21.59 To 1752. %

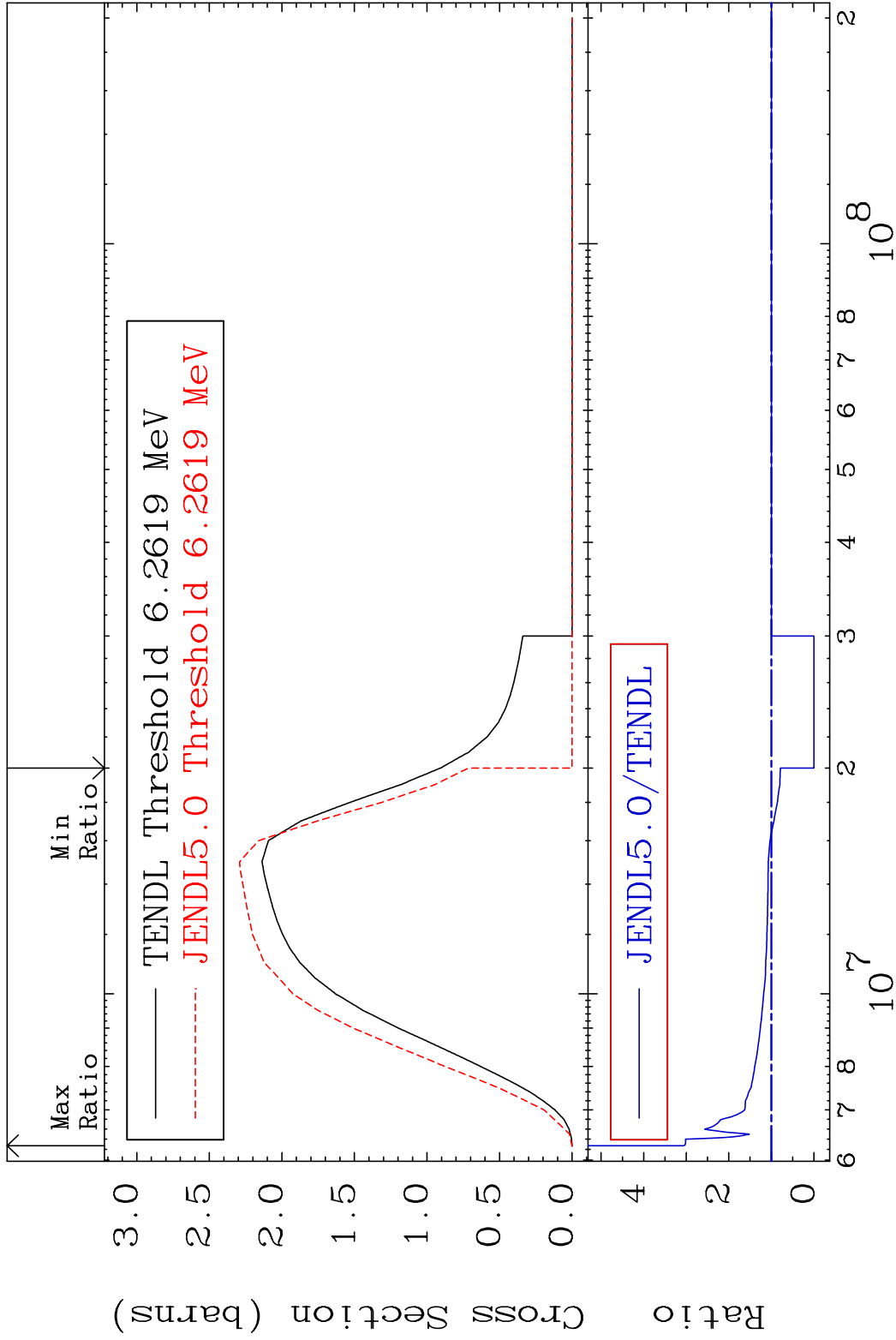


2 Incident Energy (eV) 80-Hg-201



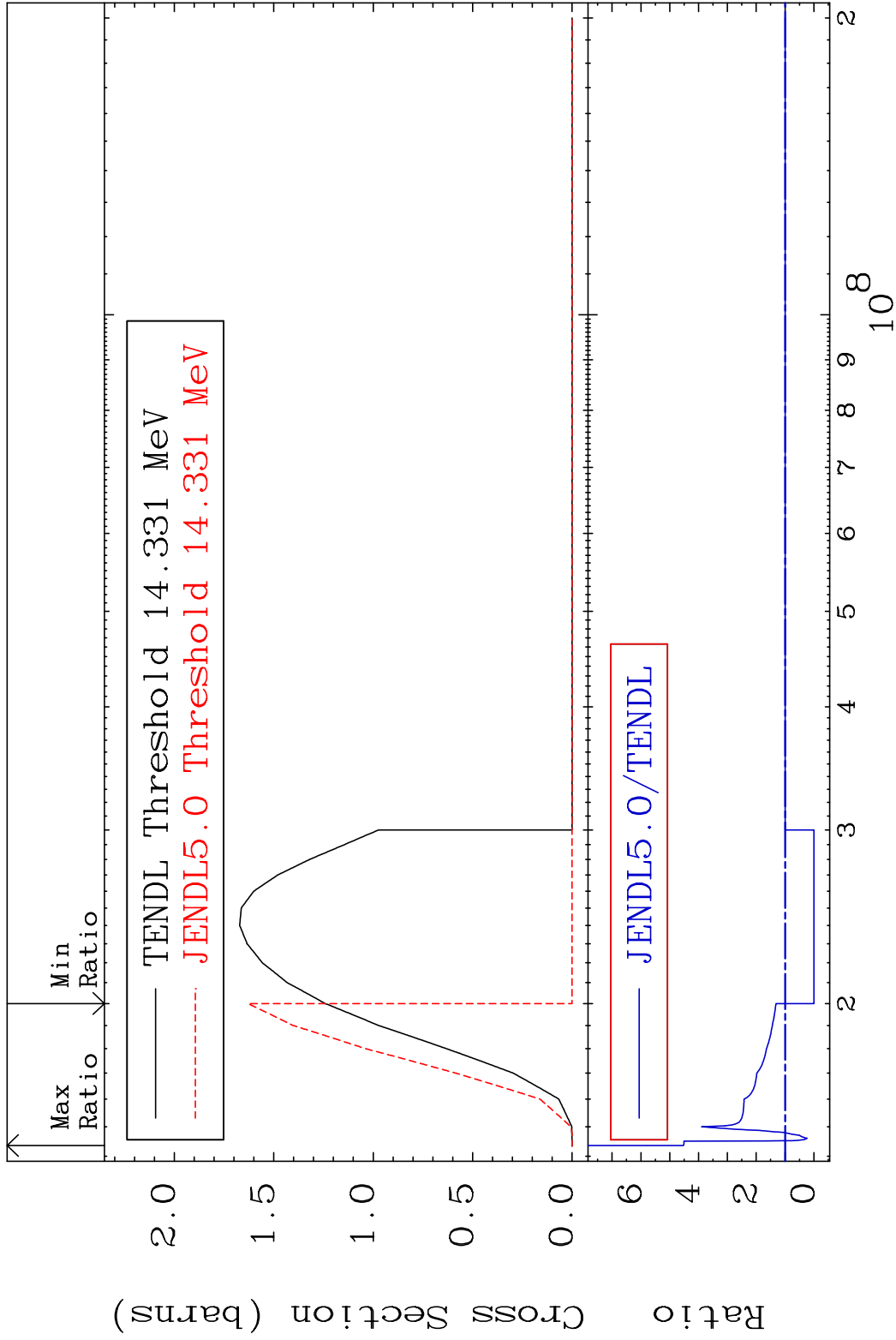


MAT 8040 (n,2n) 80-Hg-201
 Cross Section -100.0 To 206.5 %

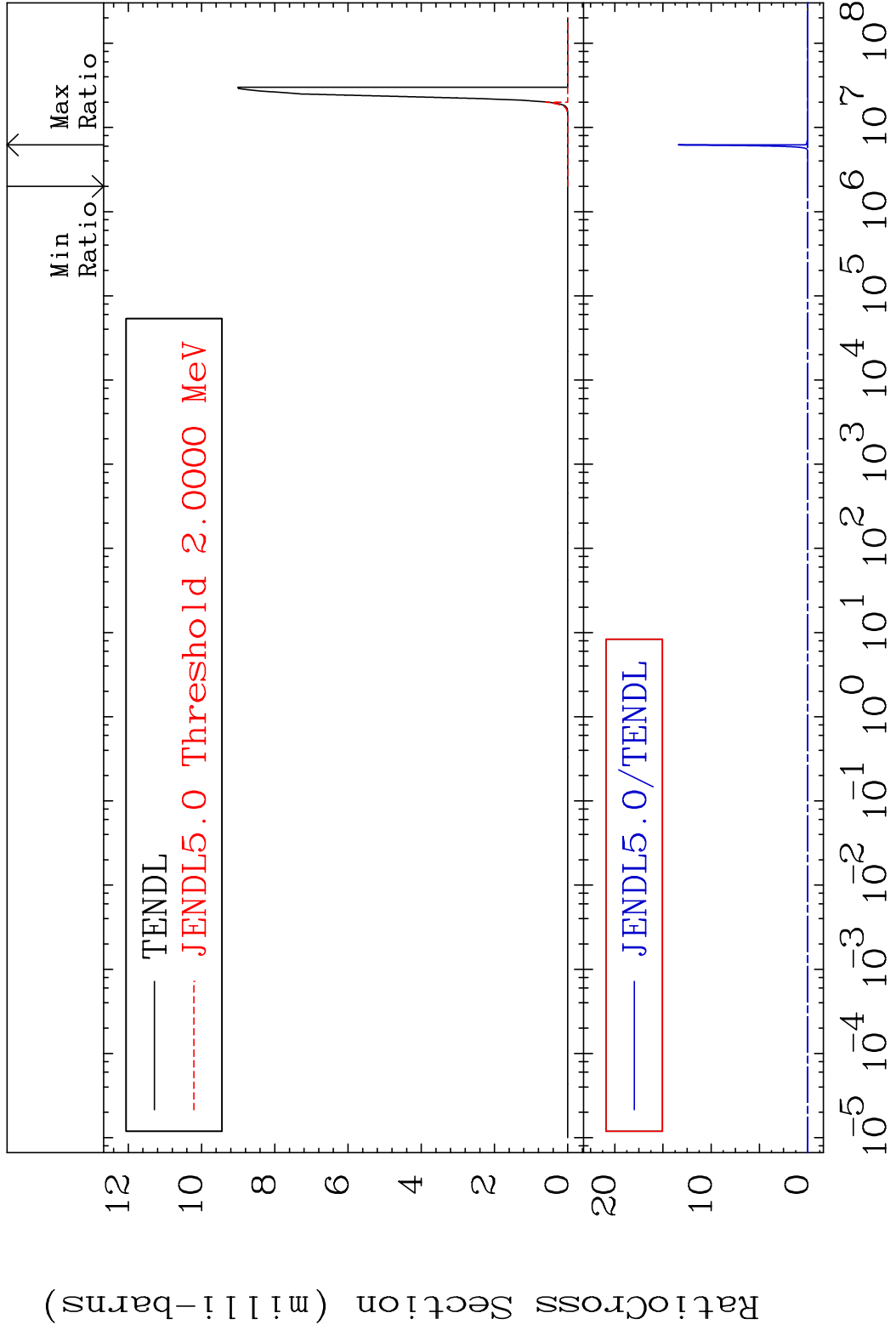


5 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,3n) 80-Hg-201
 Cross Section -100.0 To 352.4 %

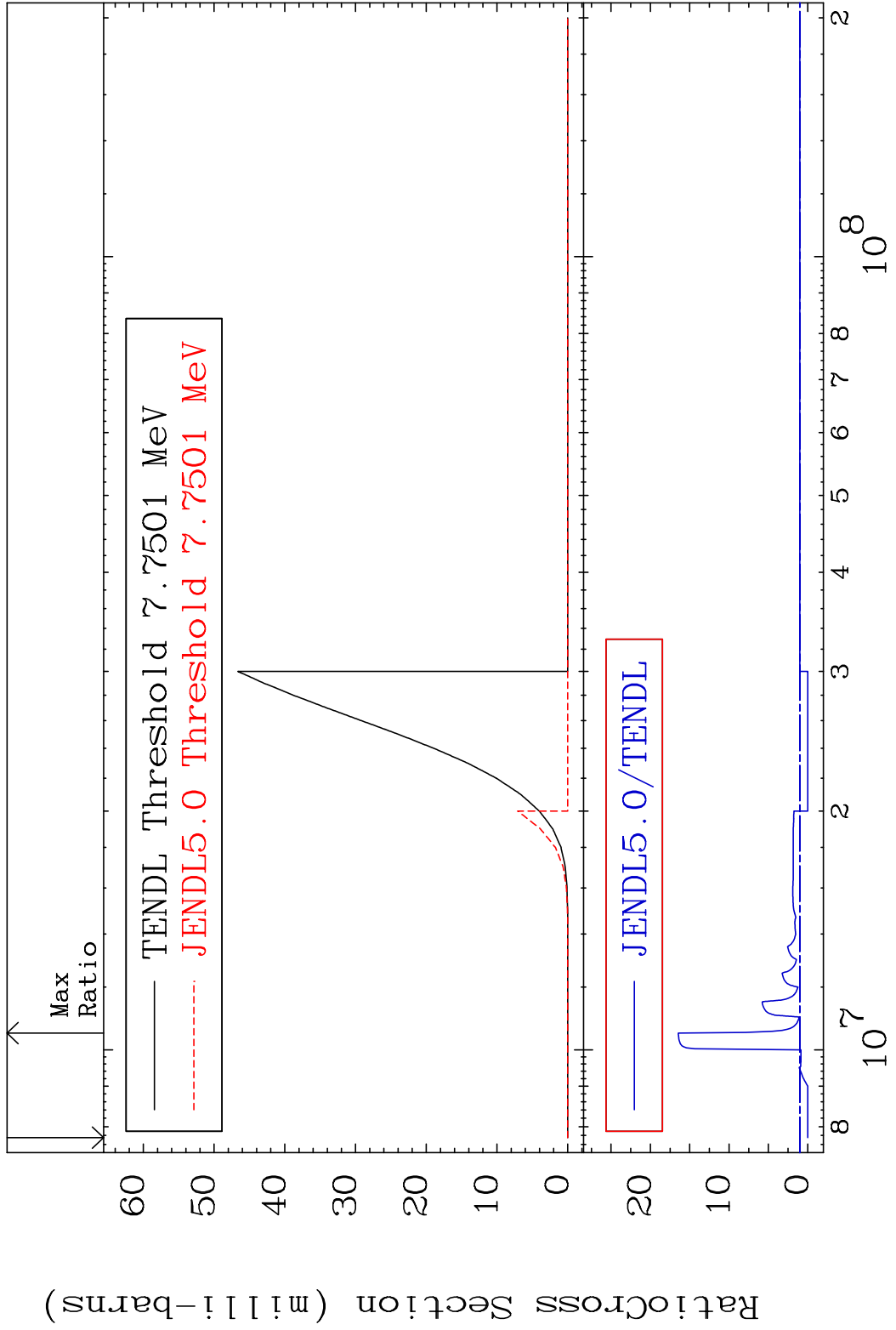


MAT 8040 (n, n') α 80-Hg-201
 Cross Section -100.0 To 9999. %



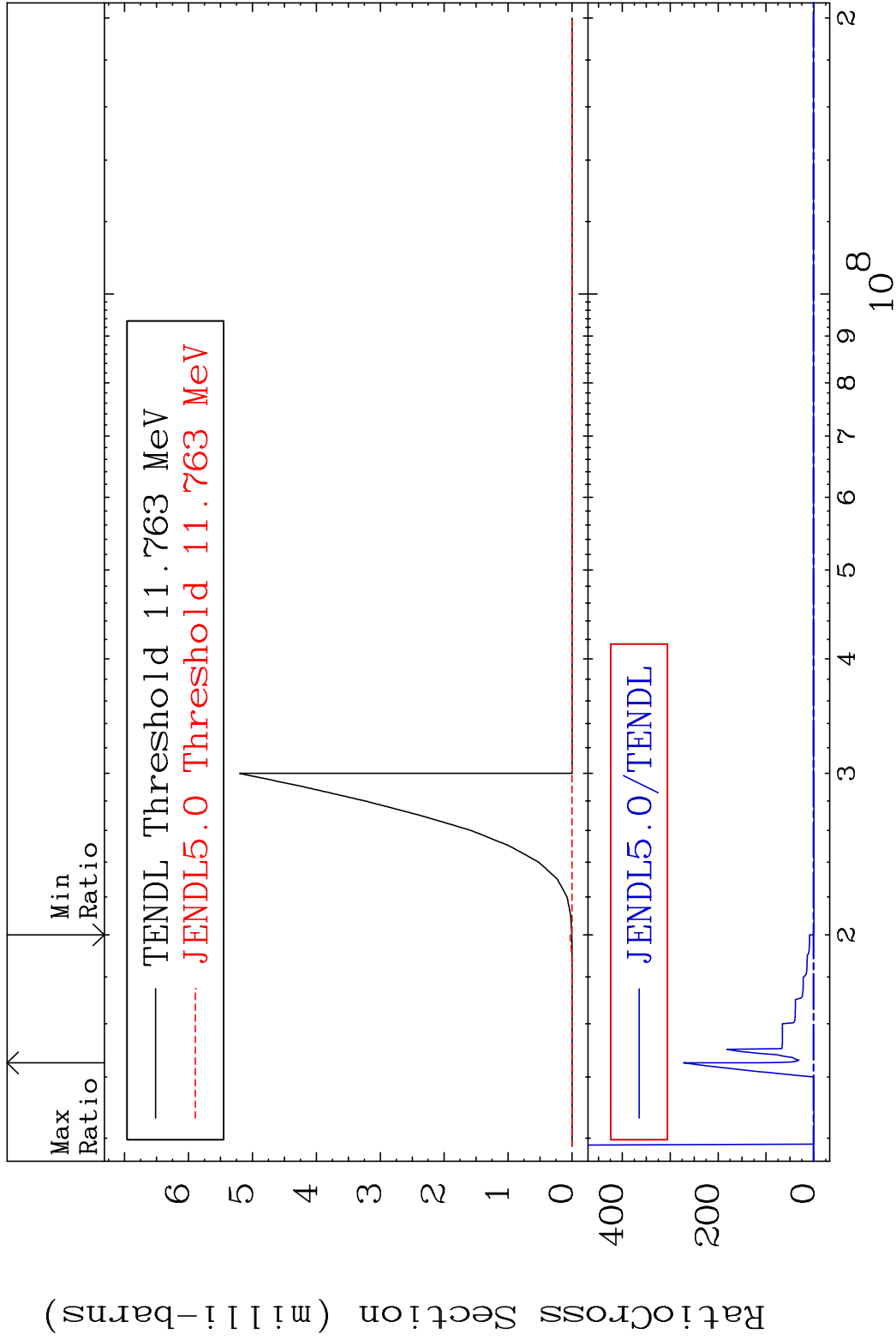
7 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, n') p 80-Hg-201
 Cross Section -100.0 To 1545. %

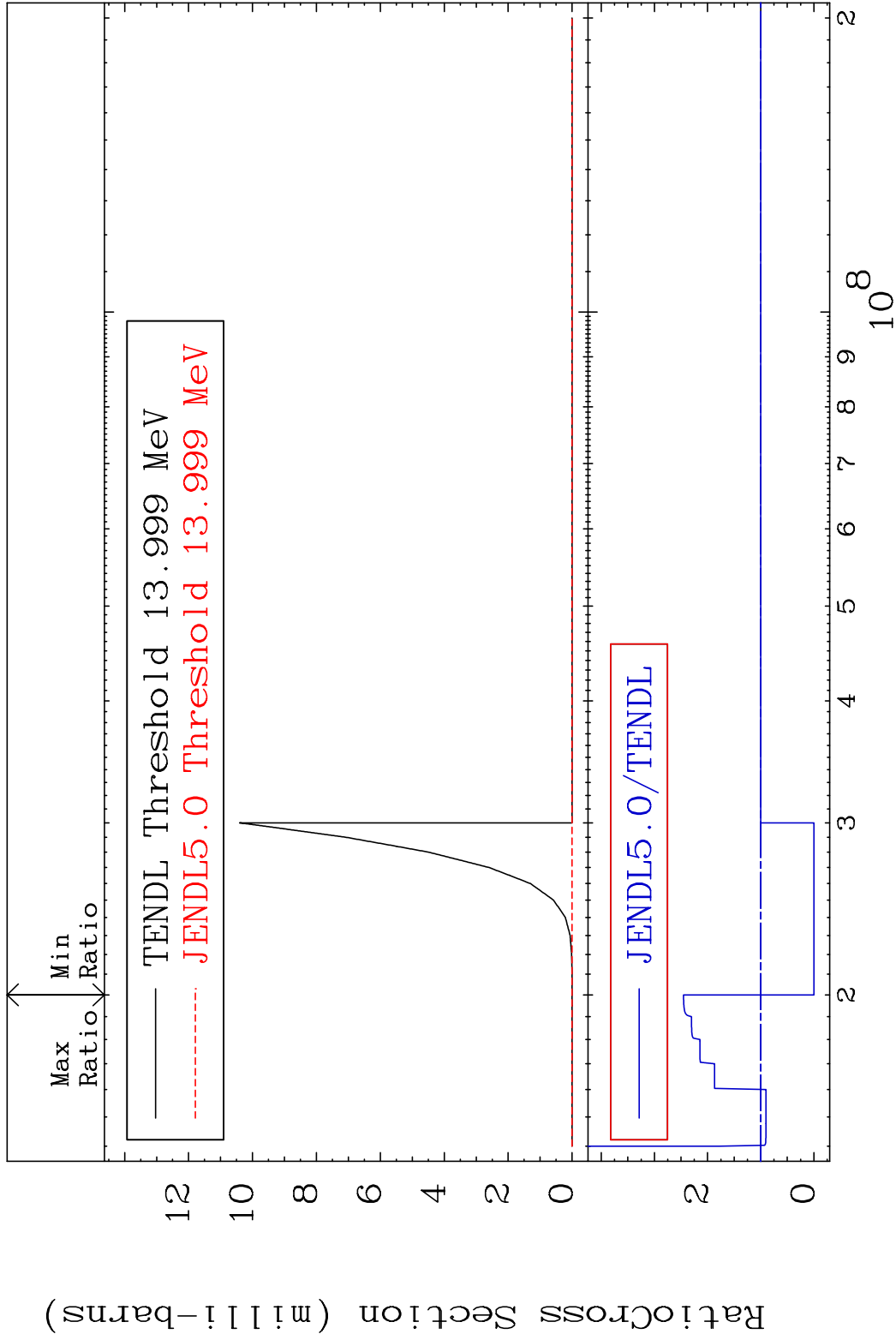


8 80-Hg-201

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

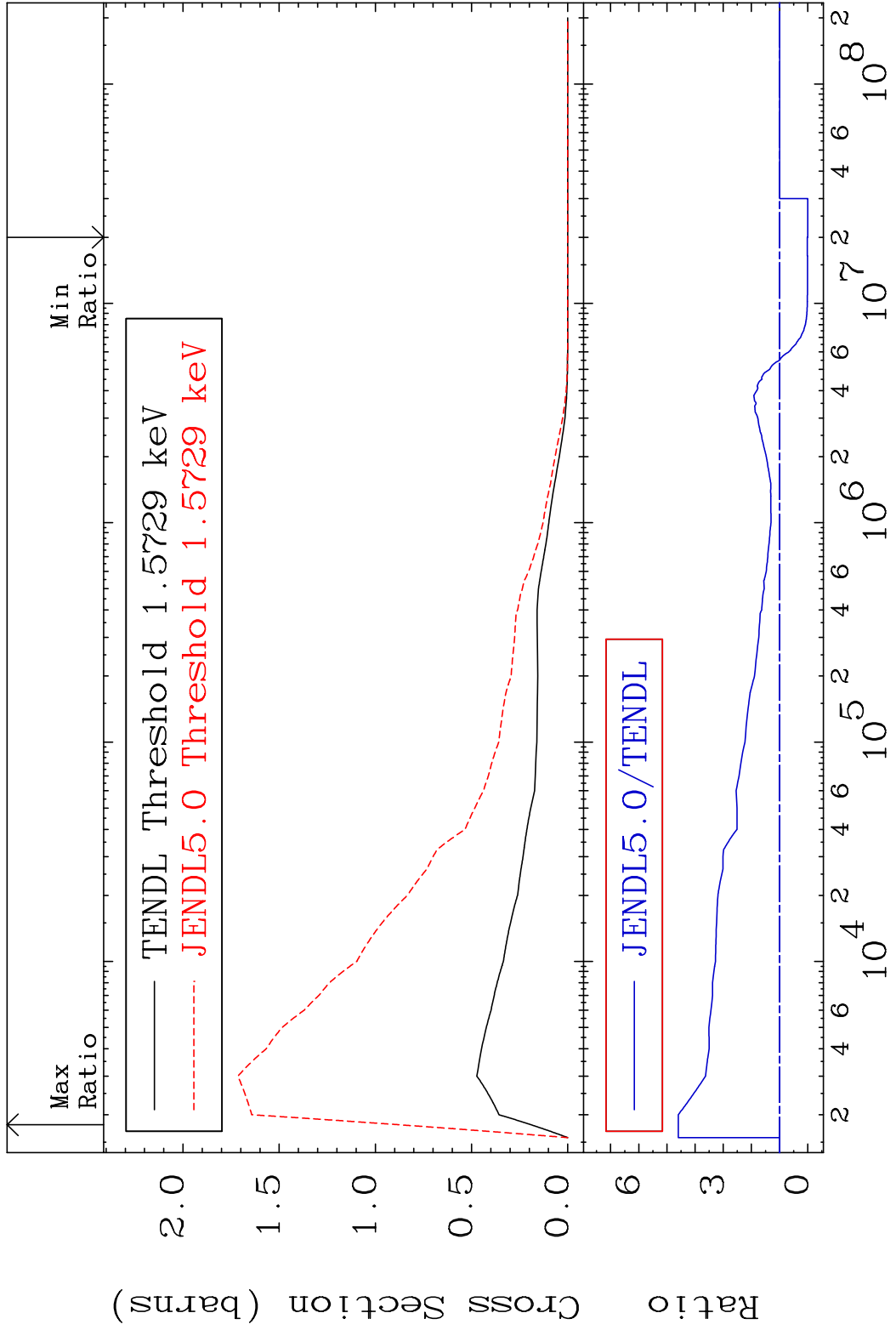


MAT 8040 (n,2n) p 80-Hg-201
 Cross Section -100.0 To 145.4 %

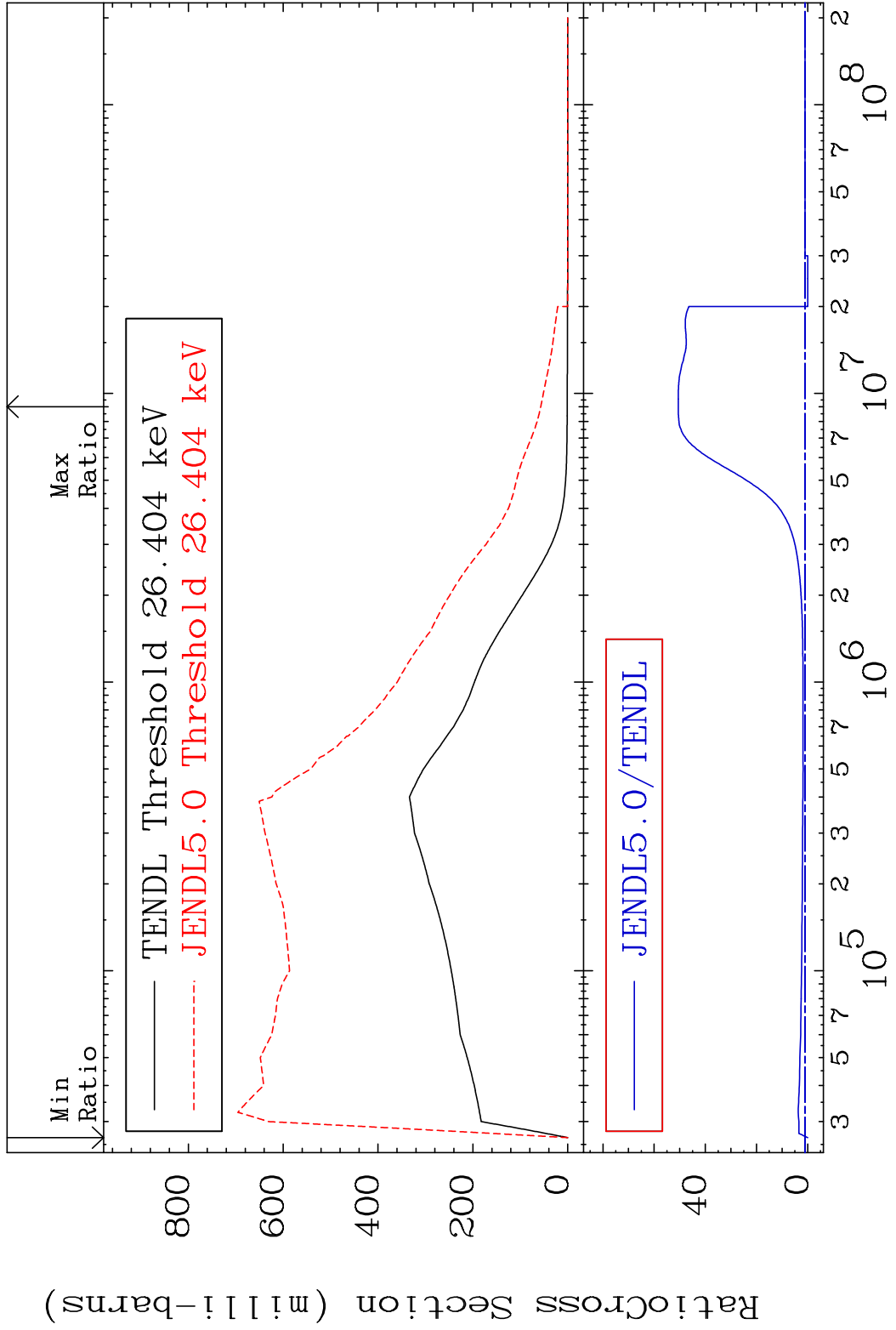


10 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 51 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 359.7 %

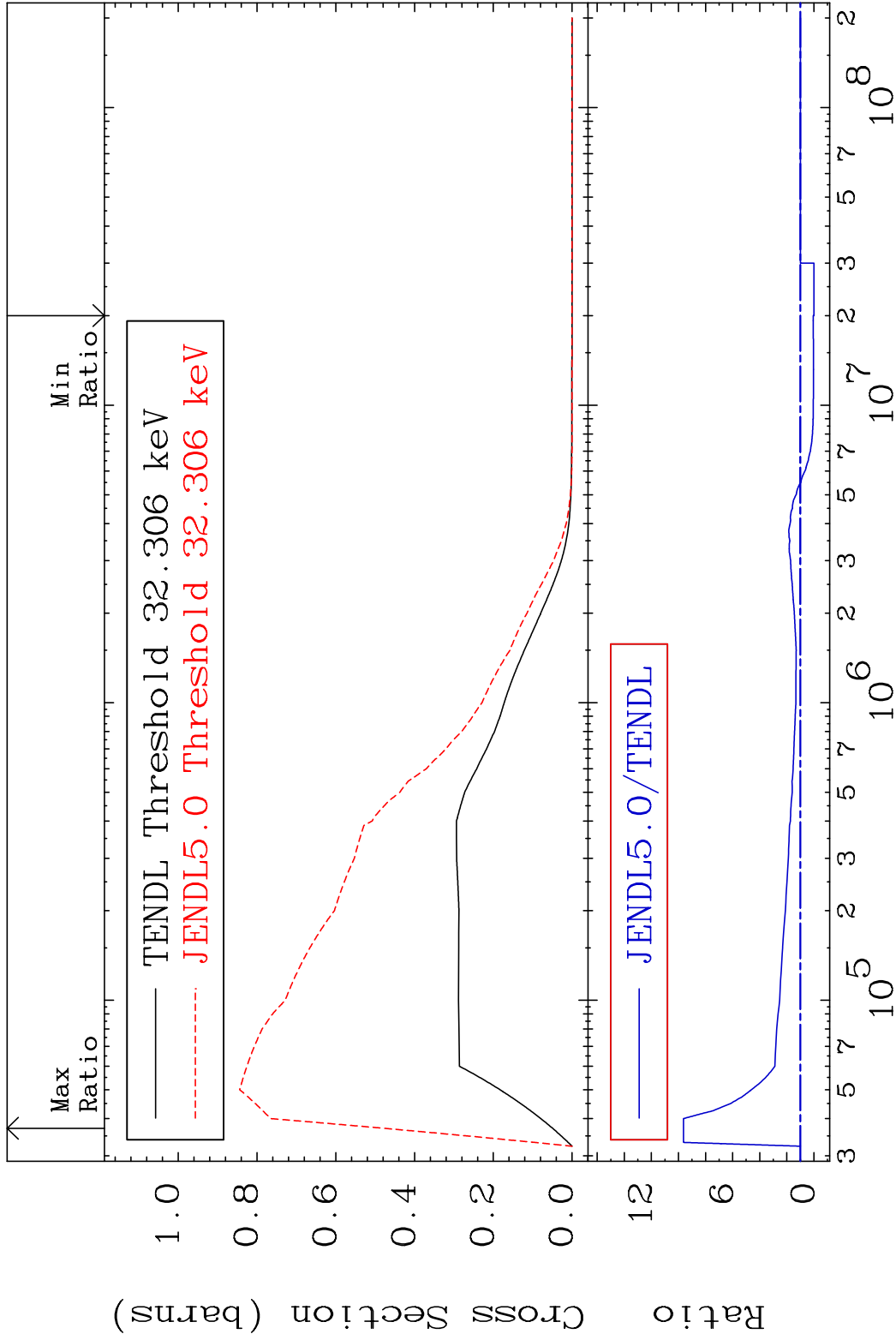


MAT 8040 MT= 52 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 4957. %



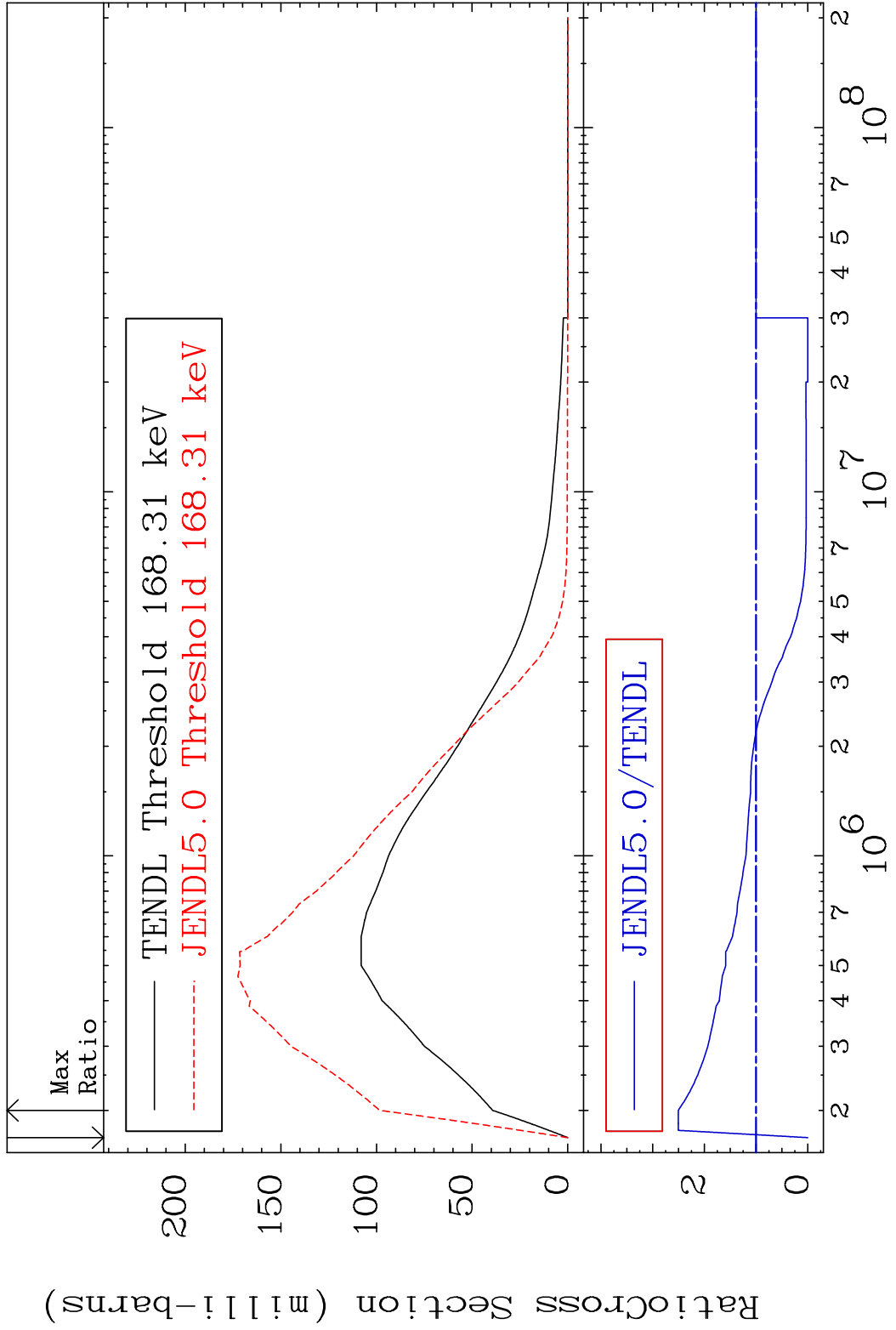
12 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 53 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 863.2 %



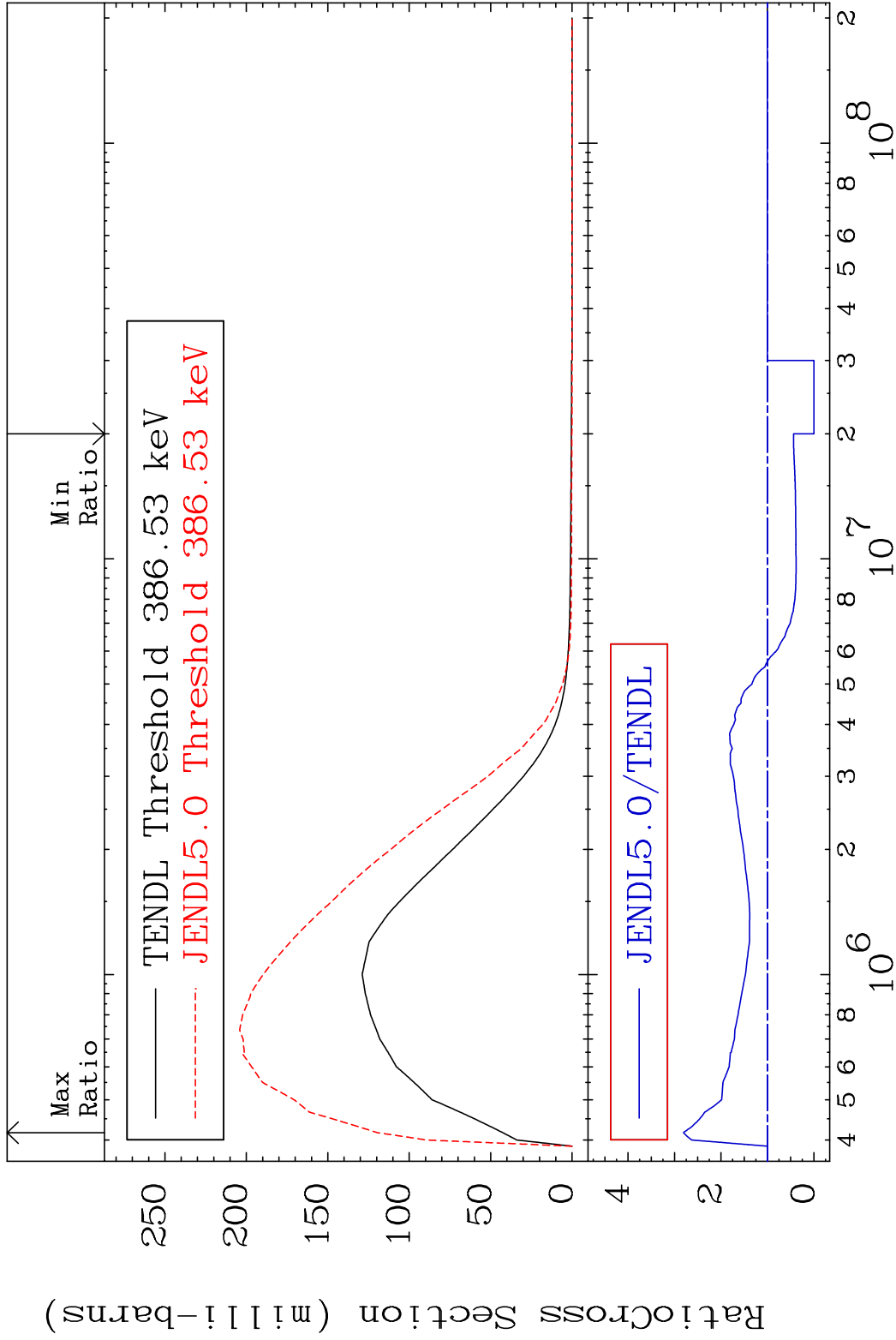
13 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 54 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 150.4 %



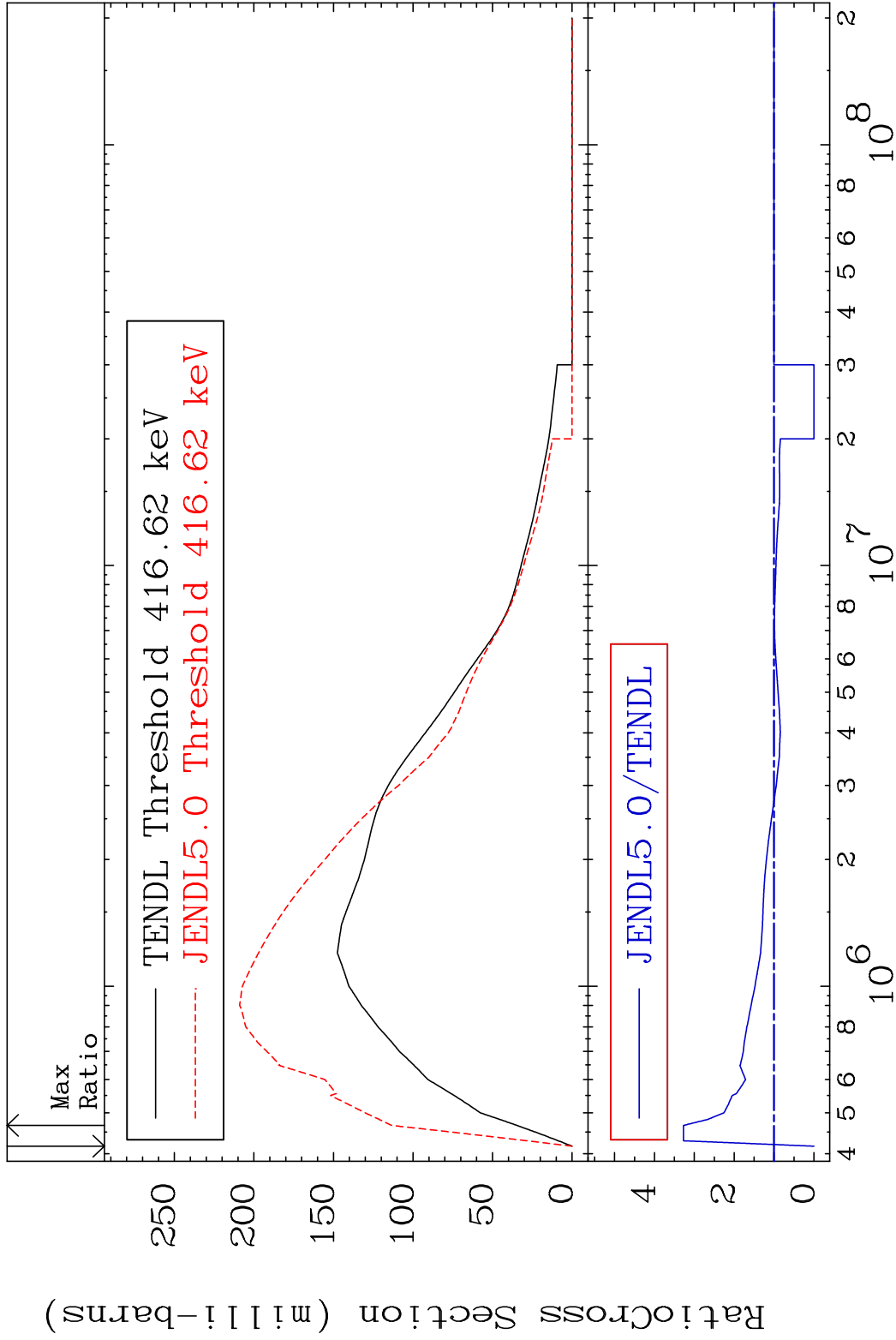
14 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 55 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 180.8 %



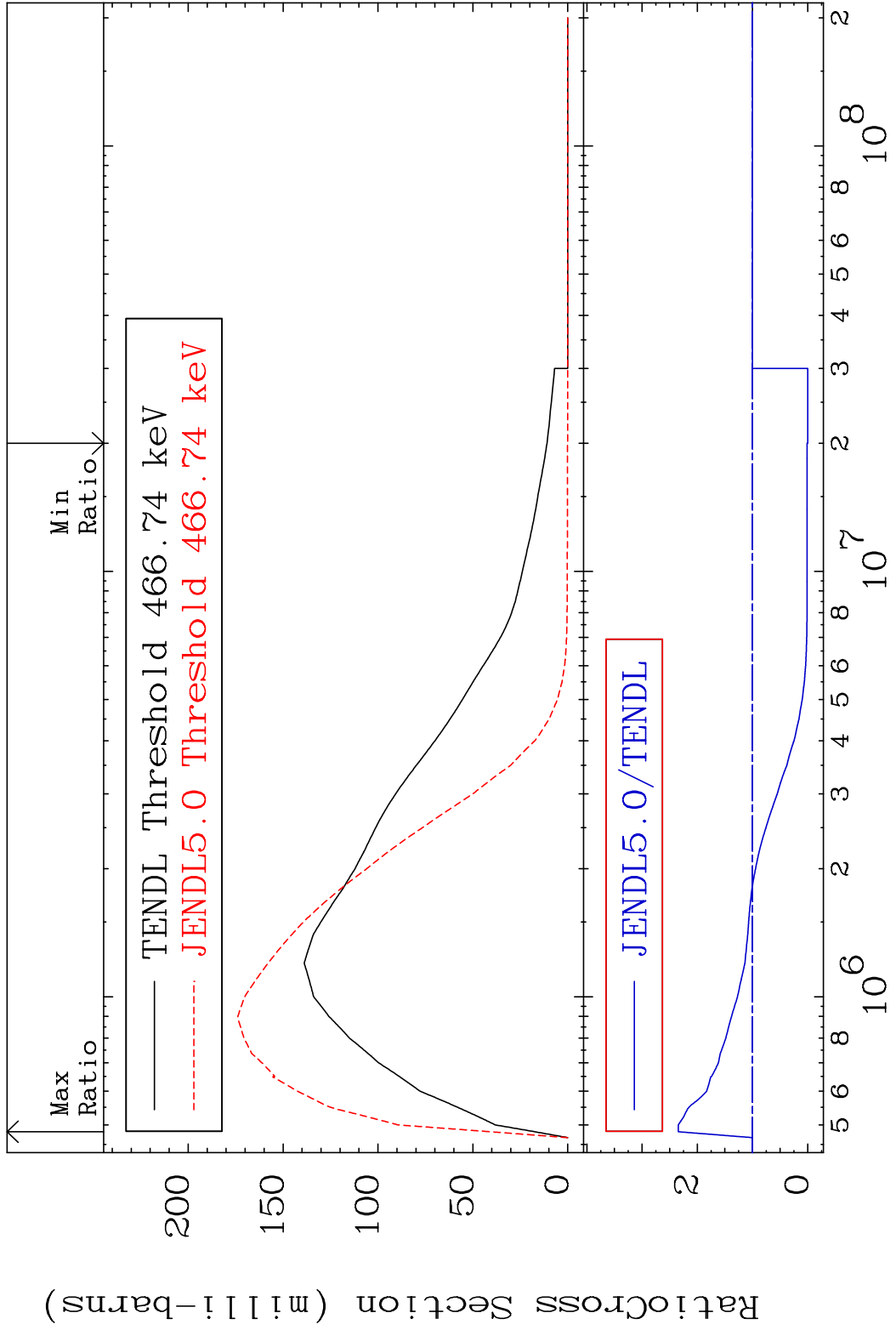
15 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 56 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 227.2 %



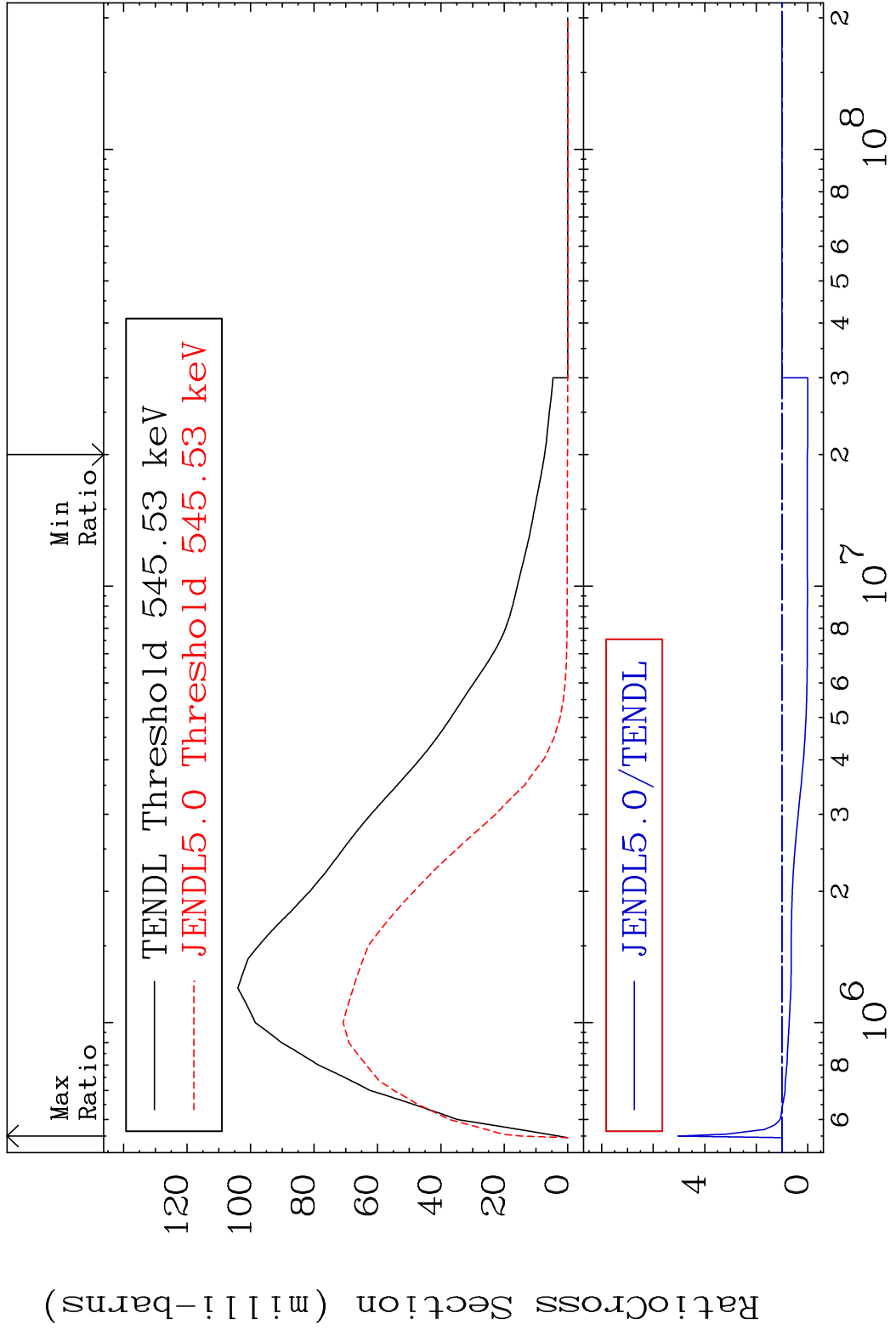
16 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 57 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 134.4 %



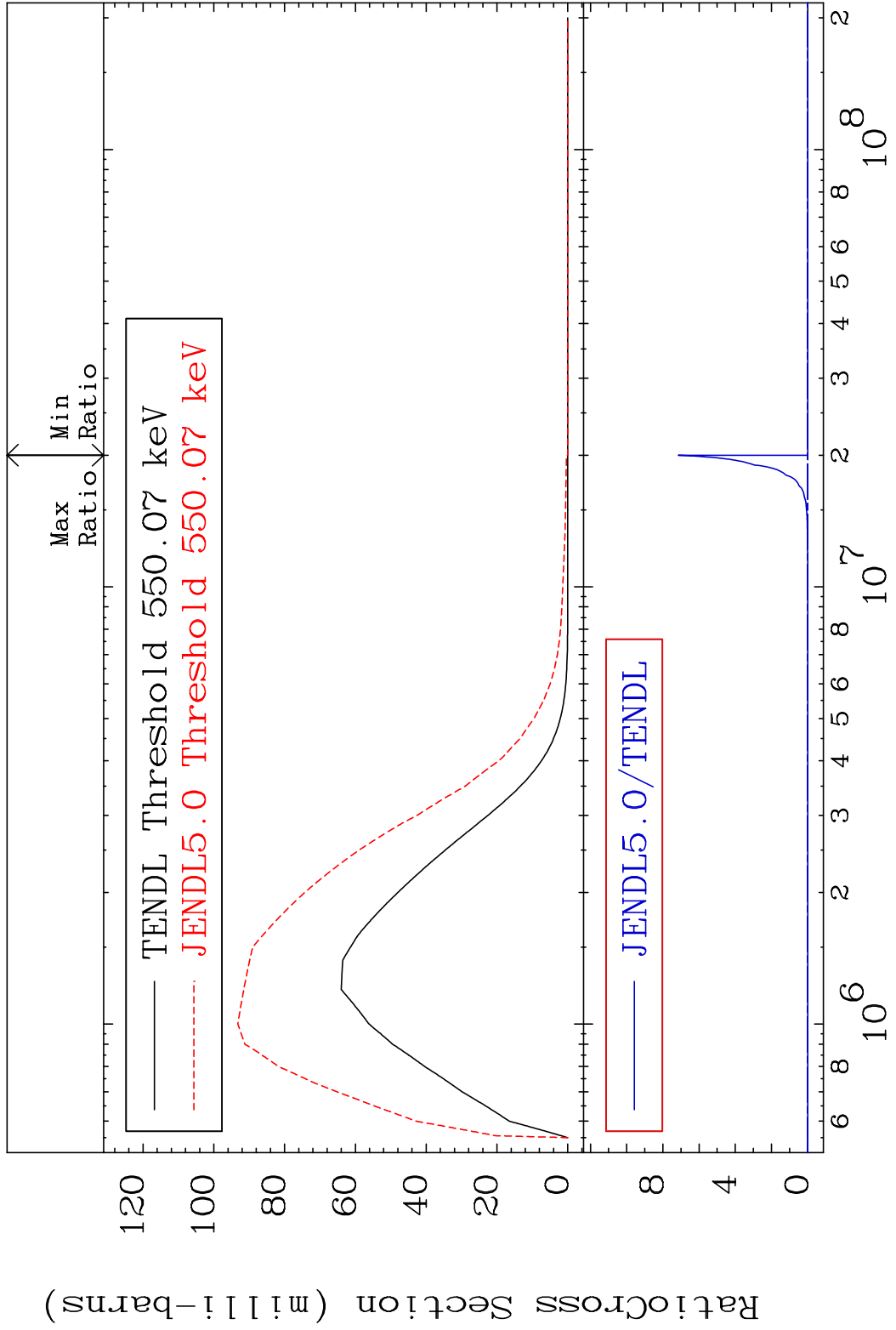
17 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 58 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 402.8 %



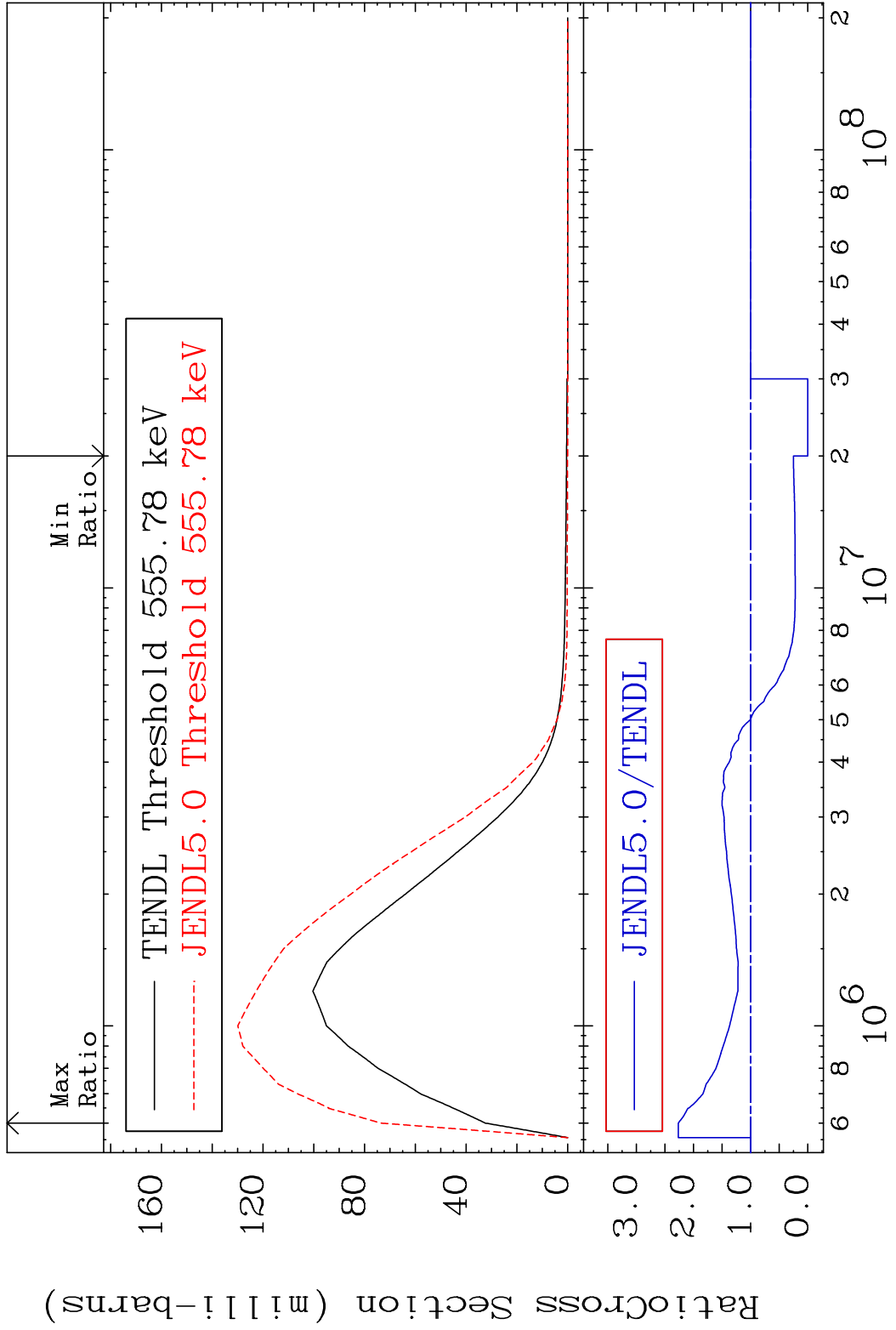
18 Incident Energy (eV) 80-Hg-201

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



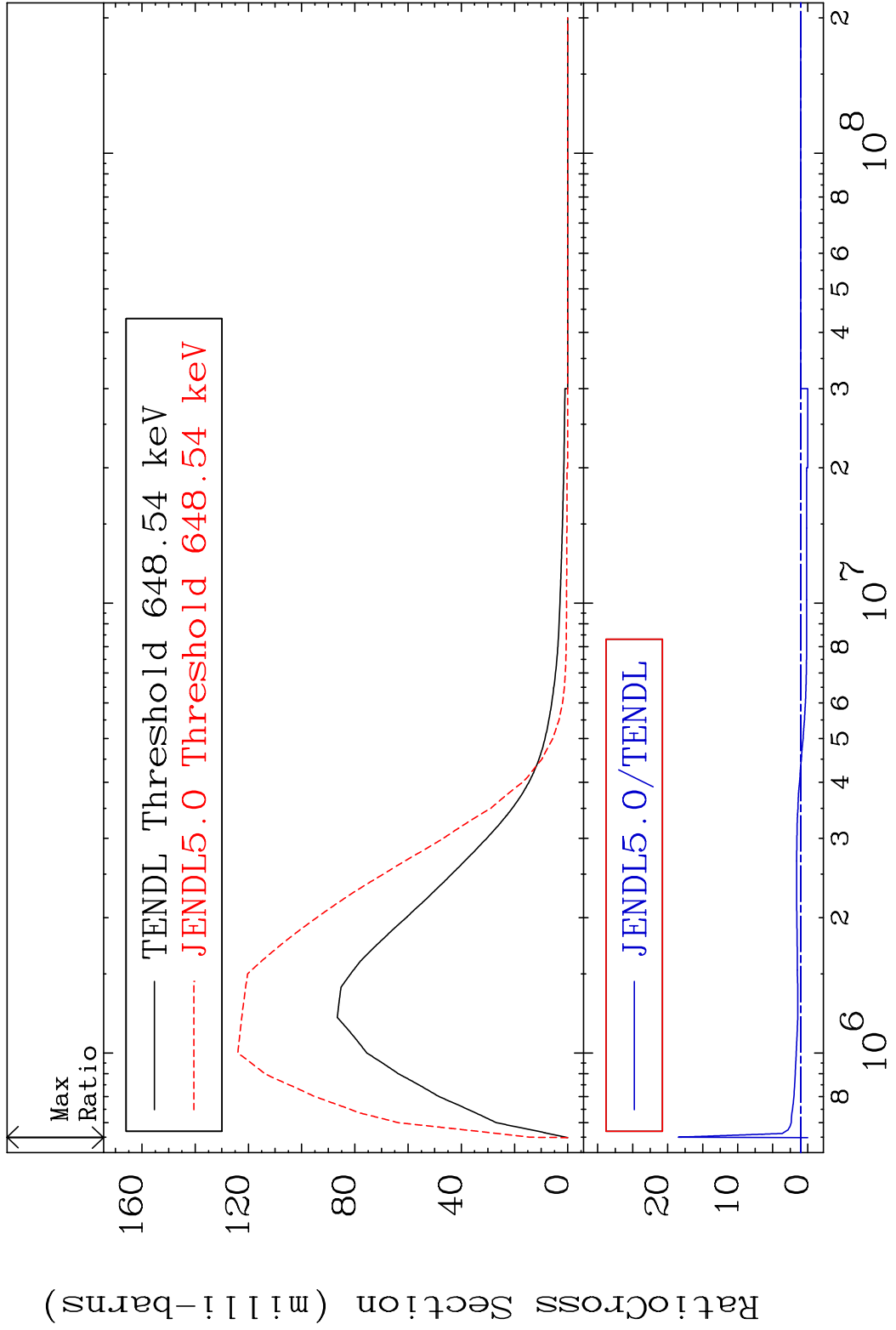
19 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 60 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 126.5 %

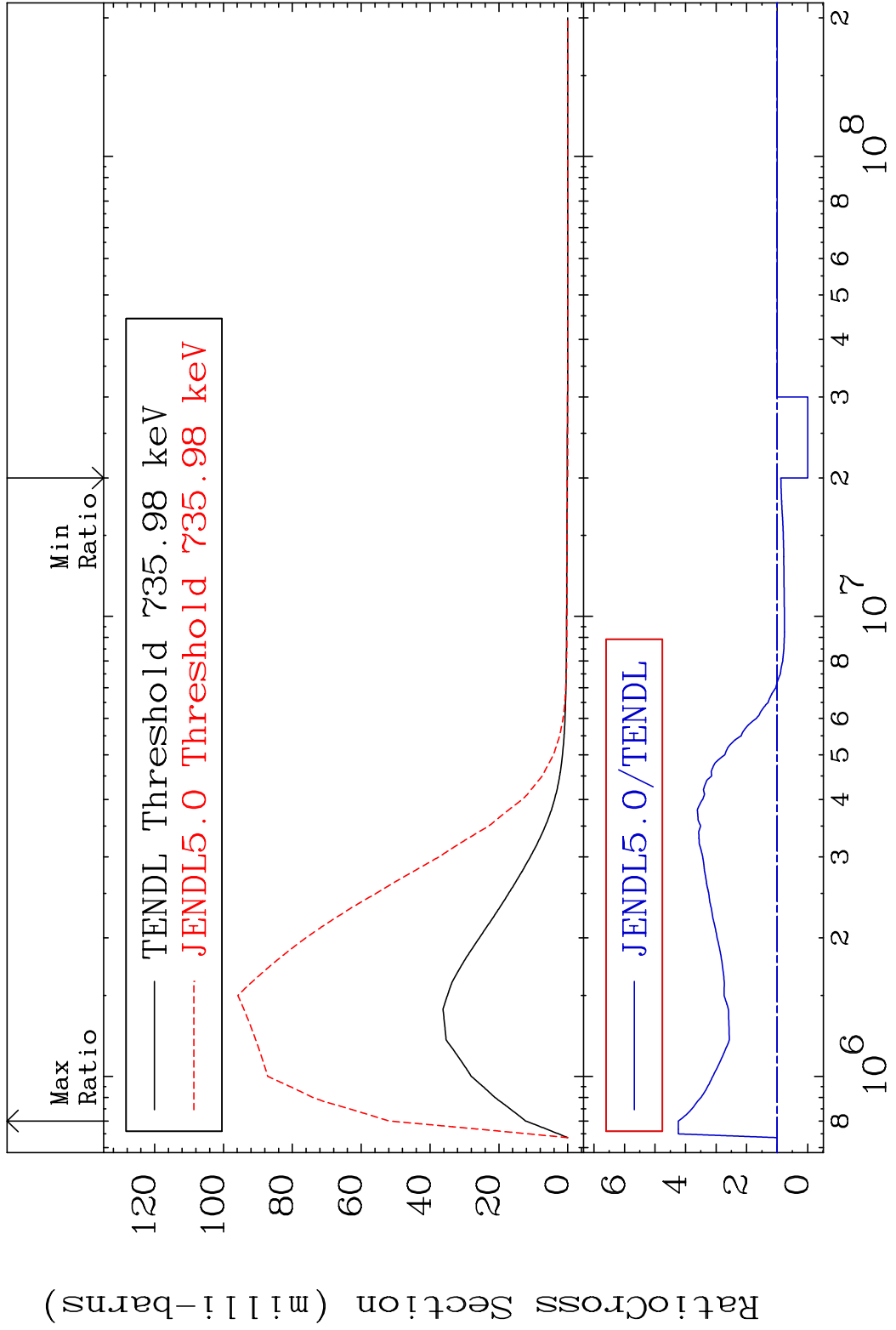


20 80-Hg-201

MAT 8040 MT= 61 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 1749. %

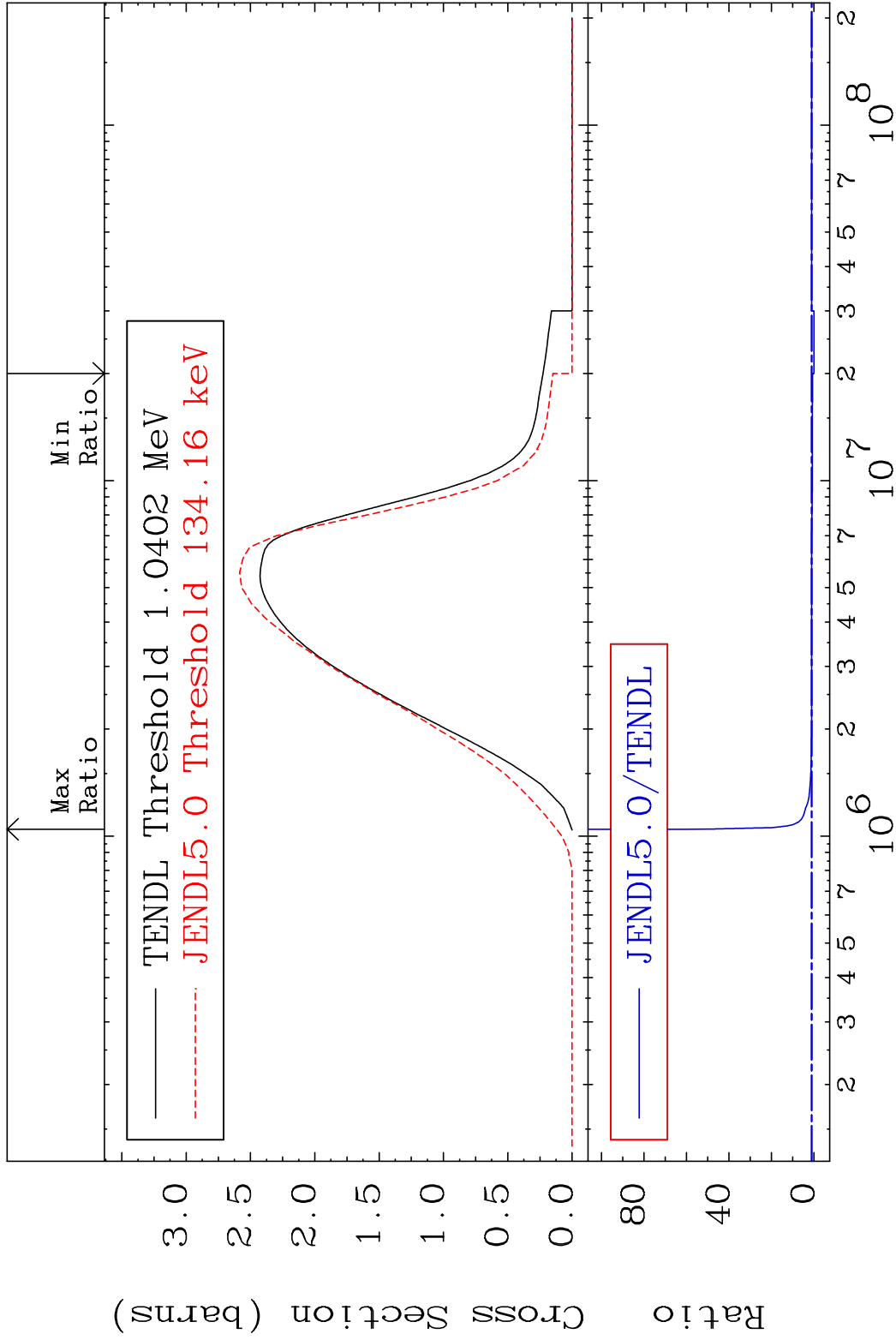


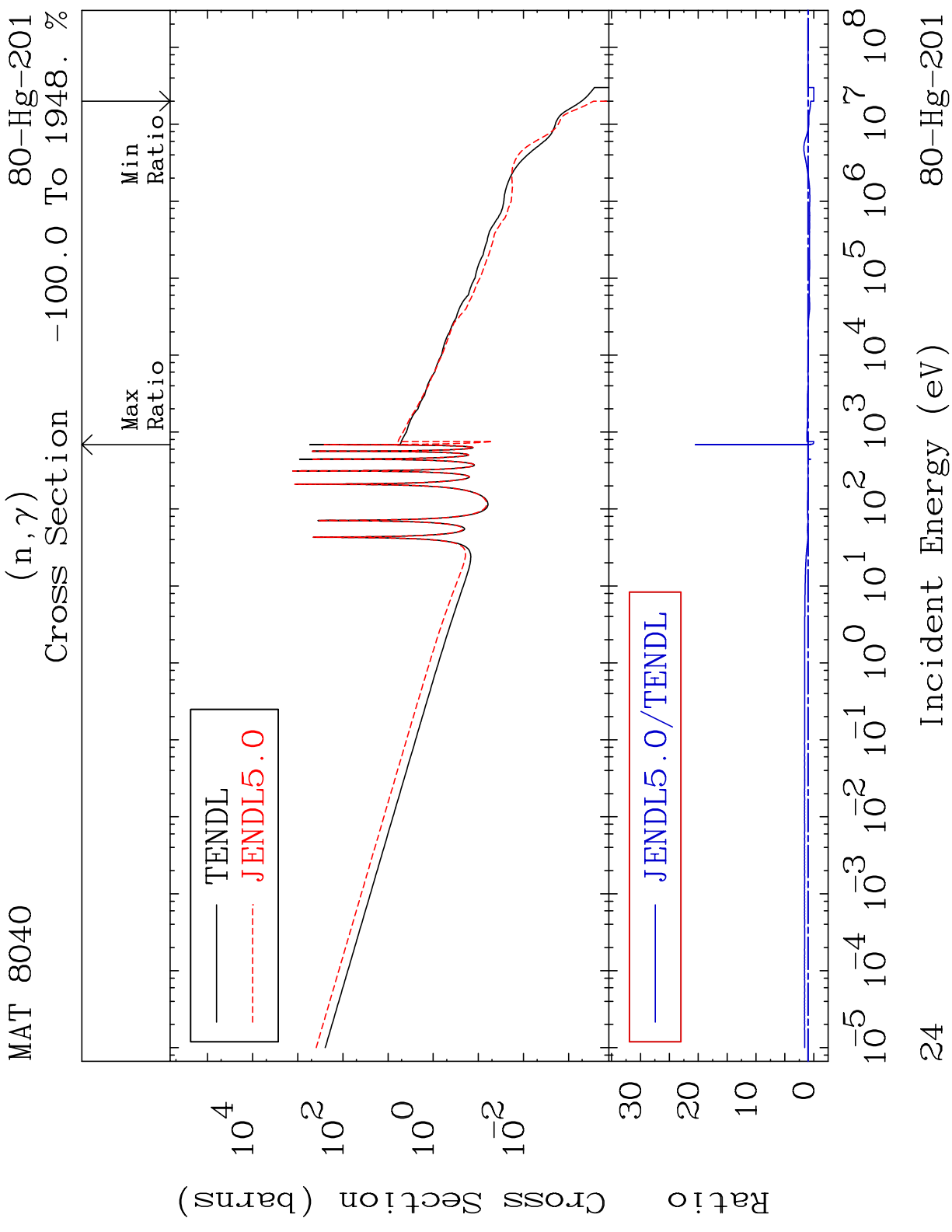
MAT 8040 MT= 62 (n, n') Level 80-Hg-201
 Cross Section -100.0 To 323.9 %

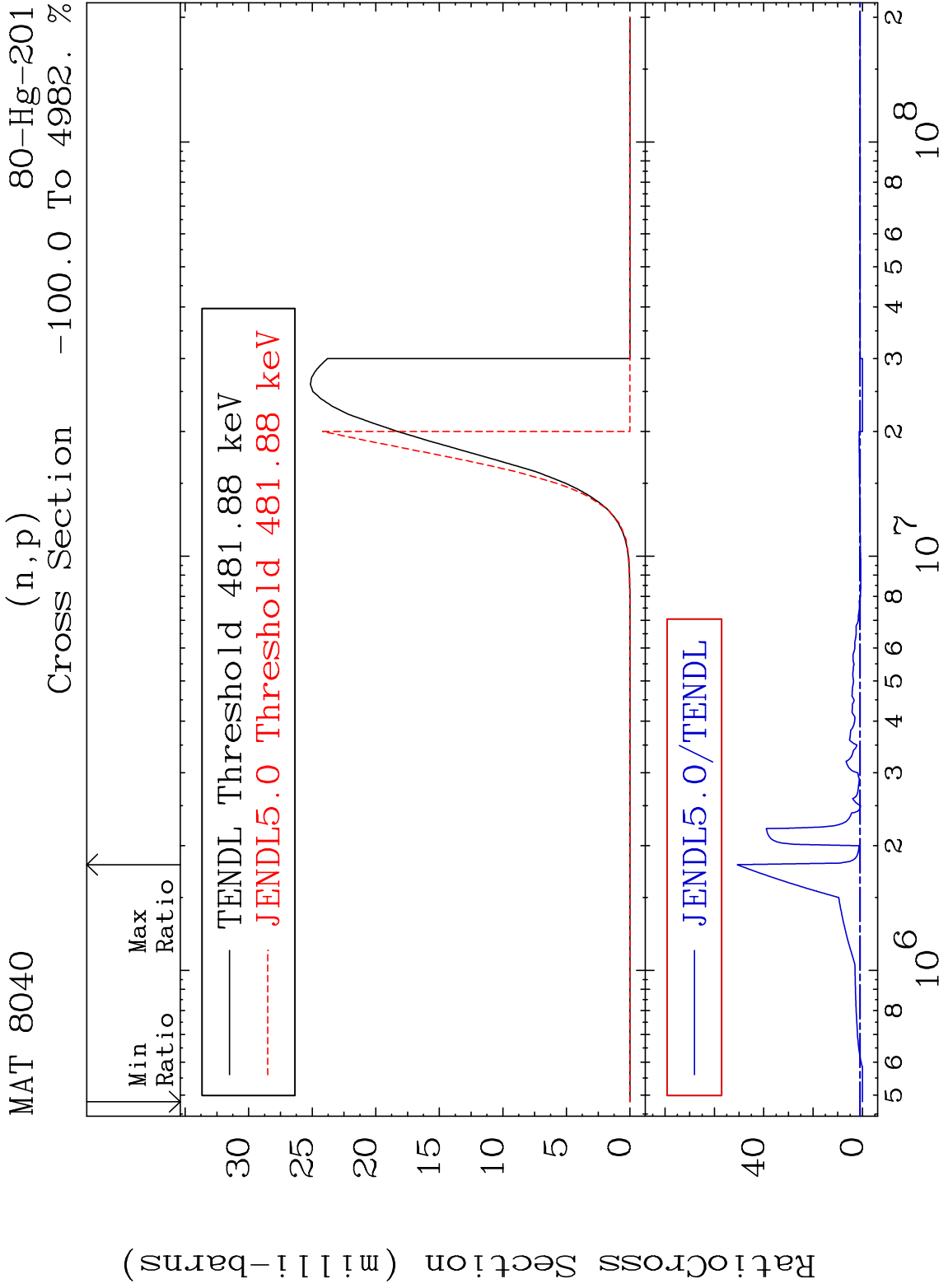


22 Incident Energy (eV) 80-Hg-201

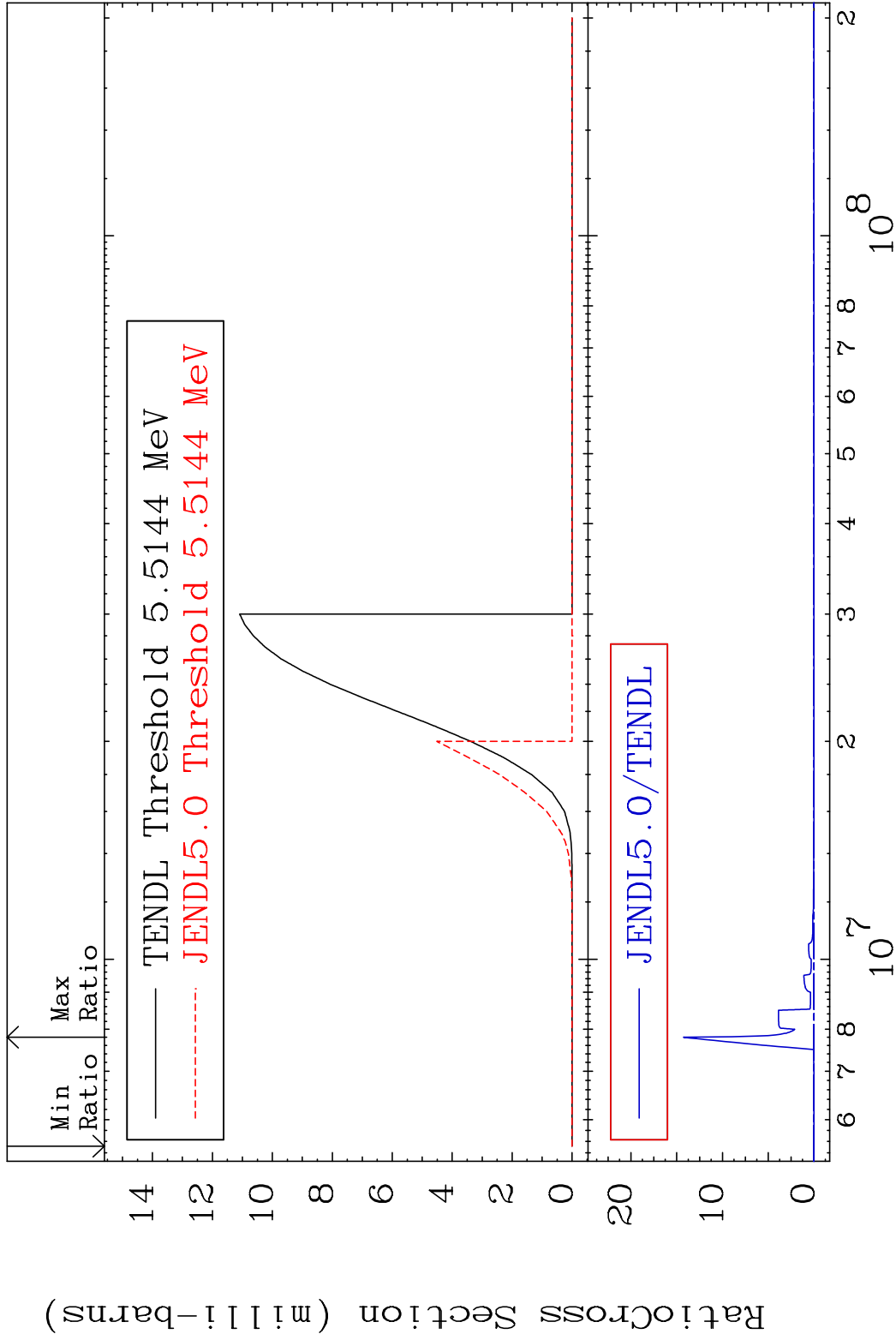
MAT 8040 (n, n') Continuum 80-Hg-201
 Cross Section -100.0 To 6038. %

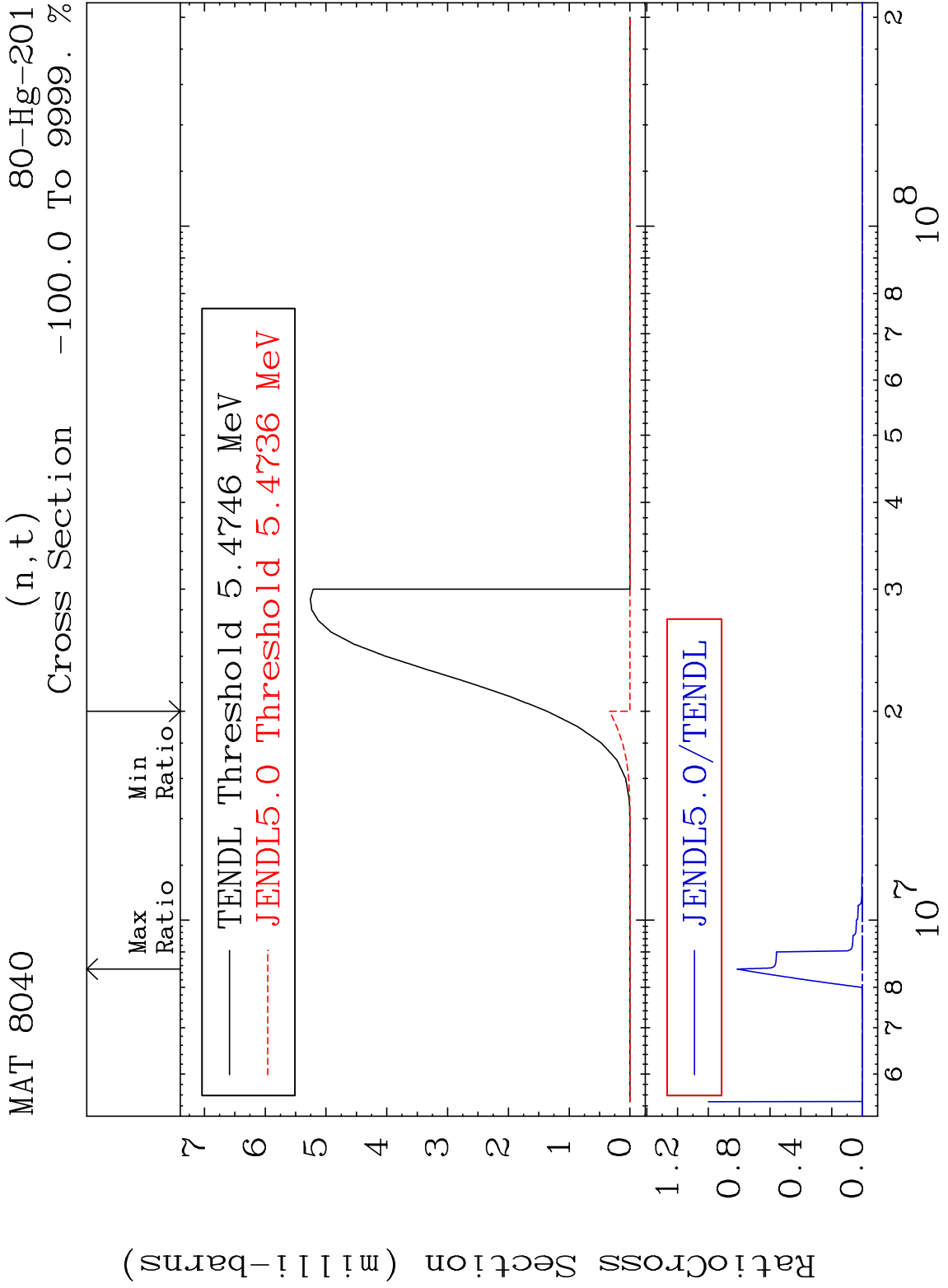




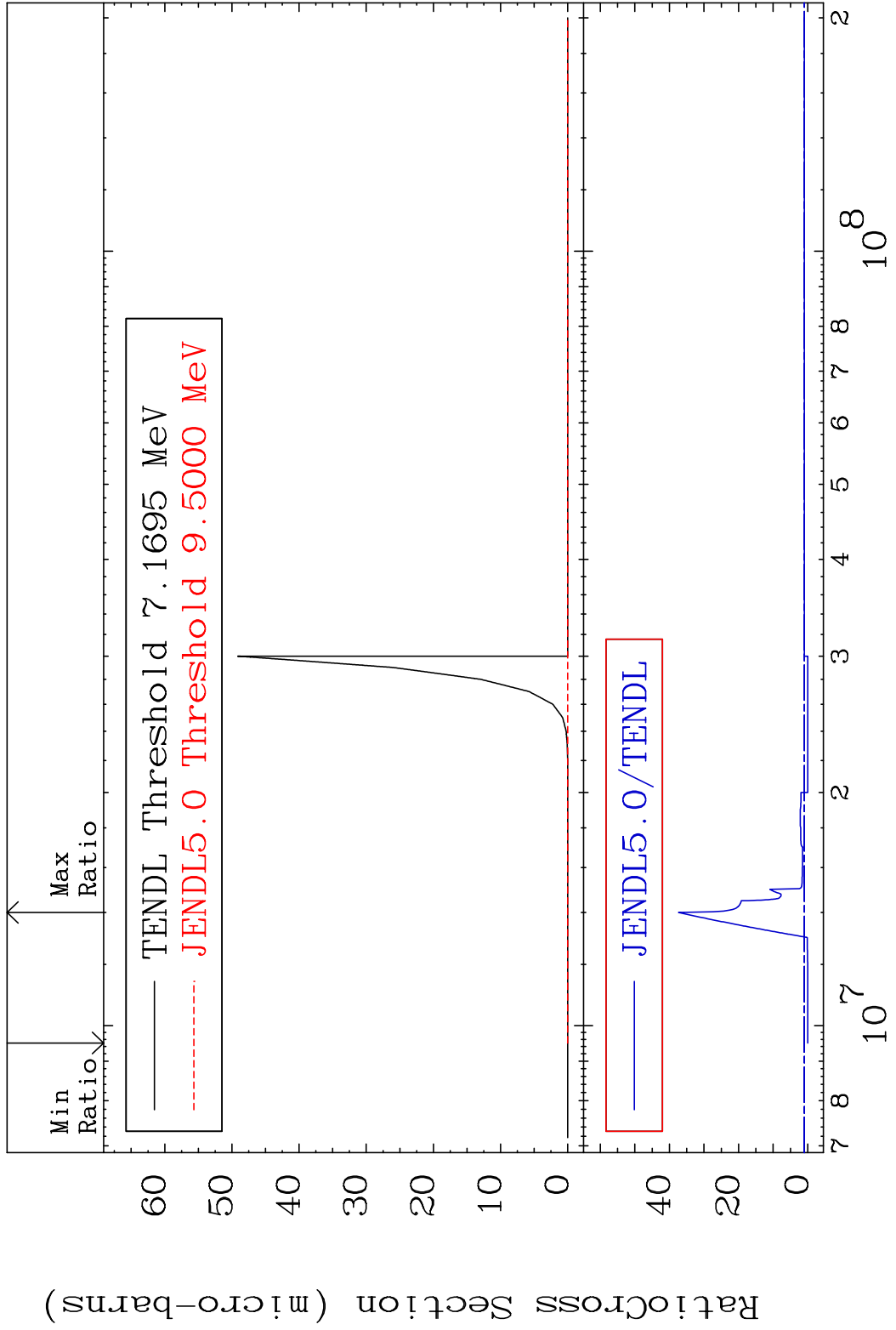


MAT 8040 (n, d) 80-Hg-201
 Cross Section -100.0 To 9999. %

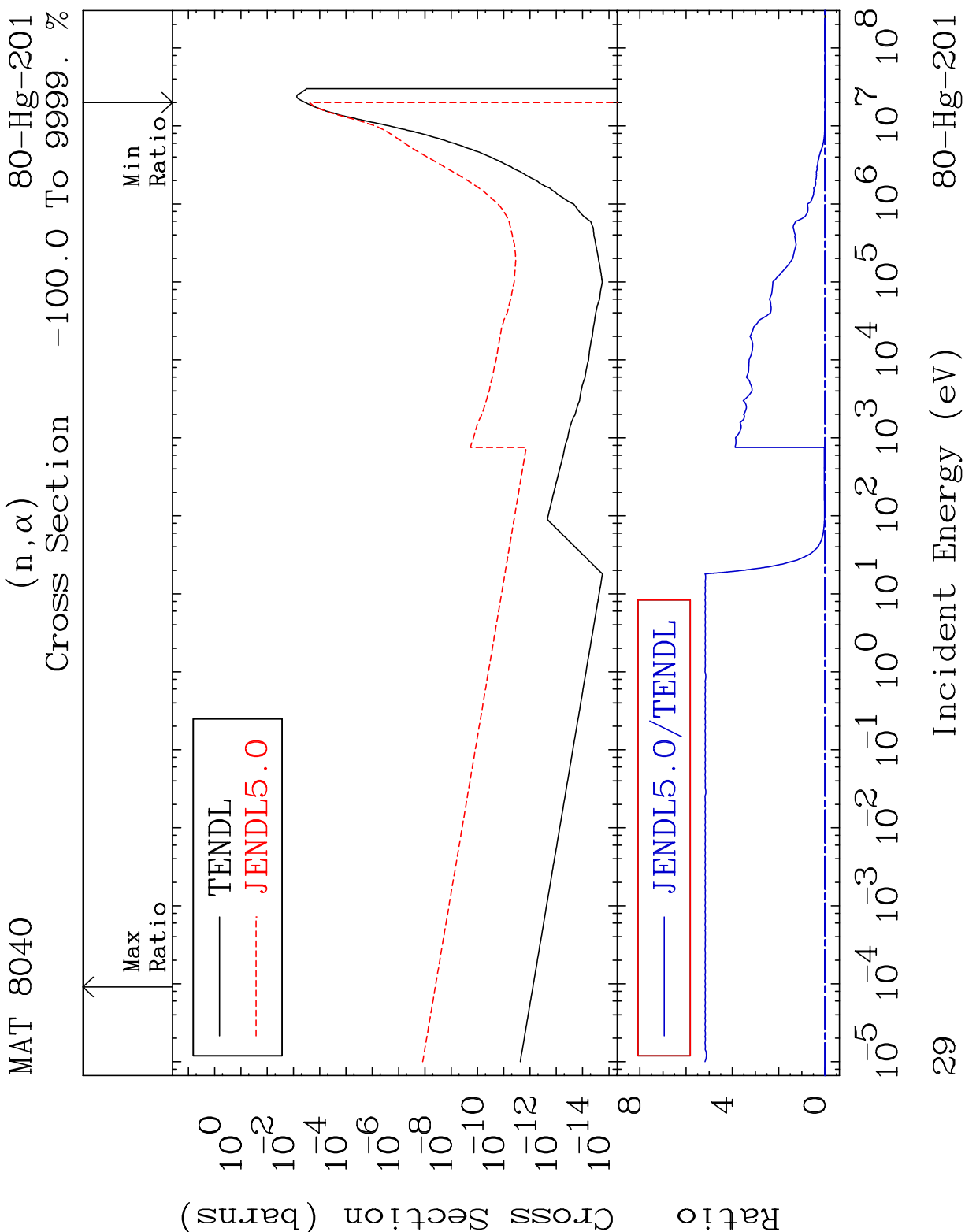




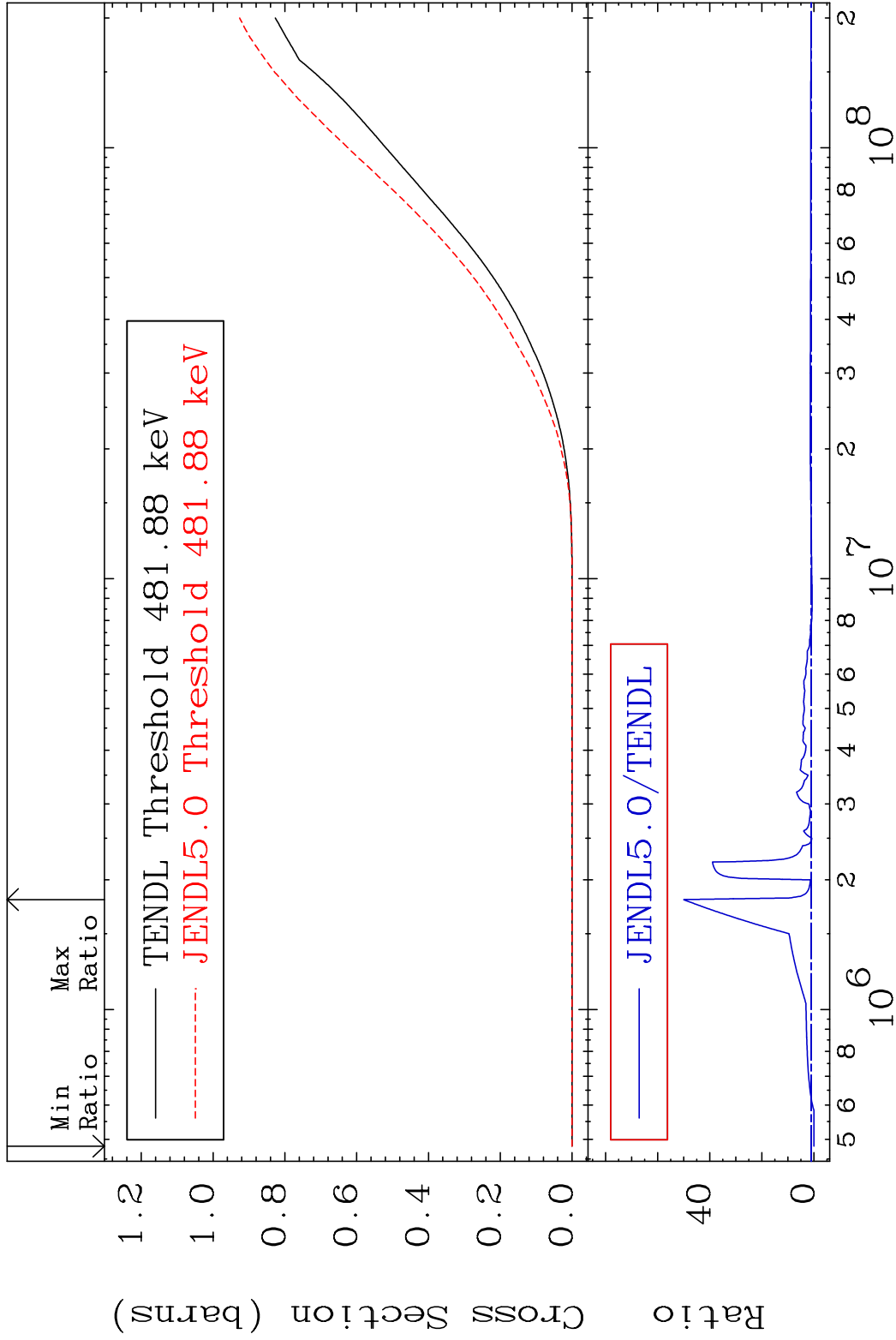
MAT 8040 (n, He-3) 80-Hg-201
 Cross Section -100.0 To 3644. %



28 80-Hg-201

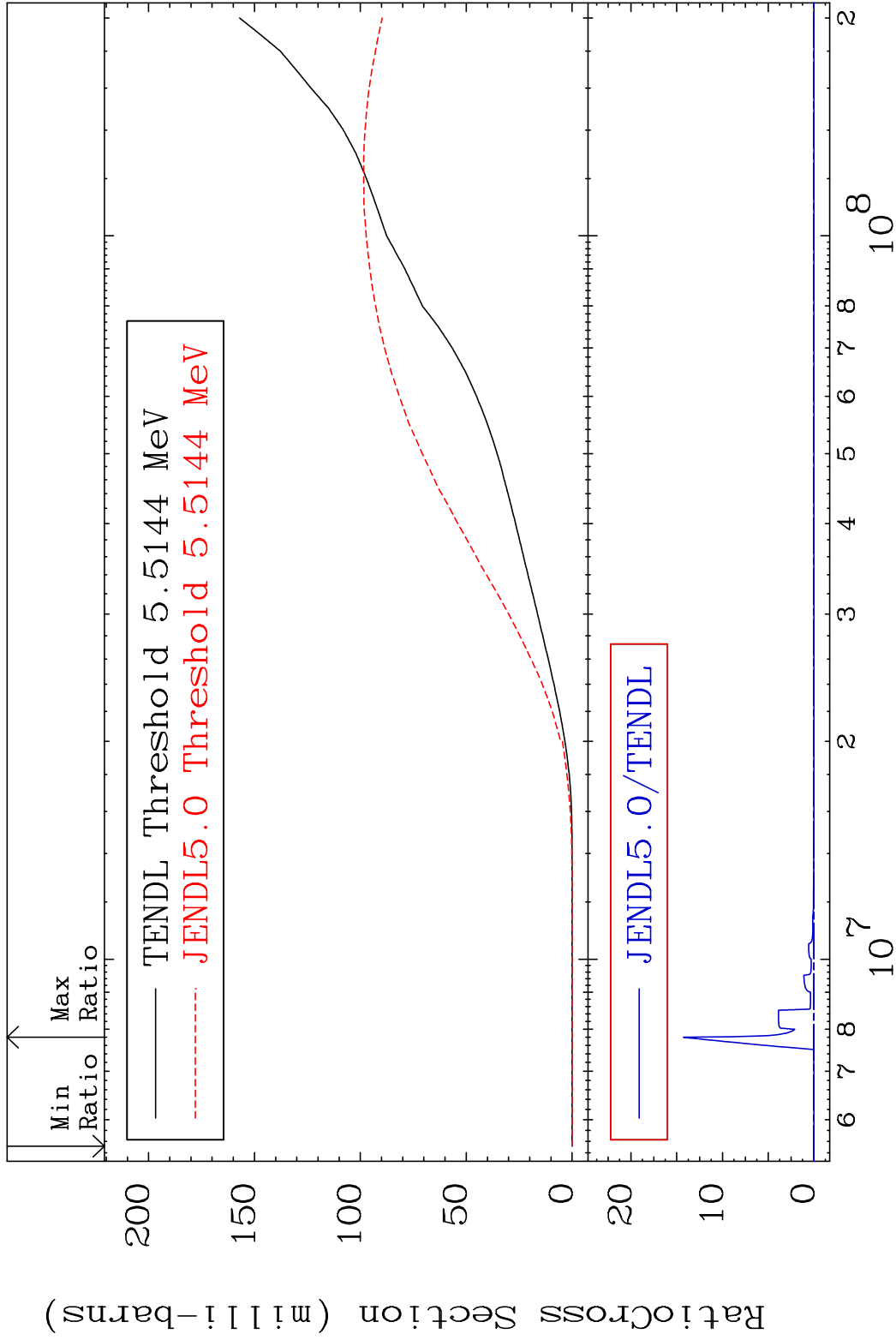


MAT 8040 Hydrogen Production 80-Hg-201
 Cross Section -100.0 To 4909. %

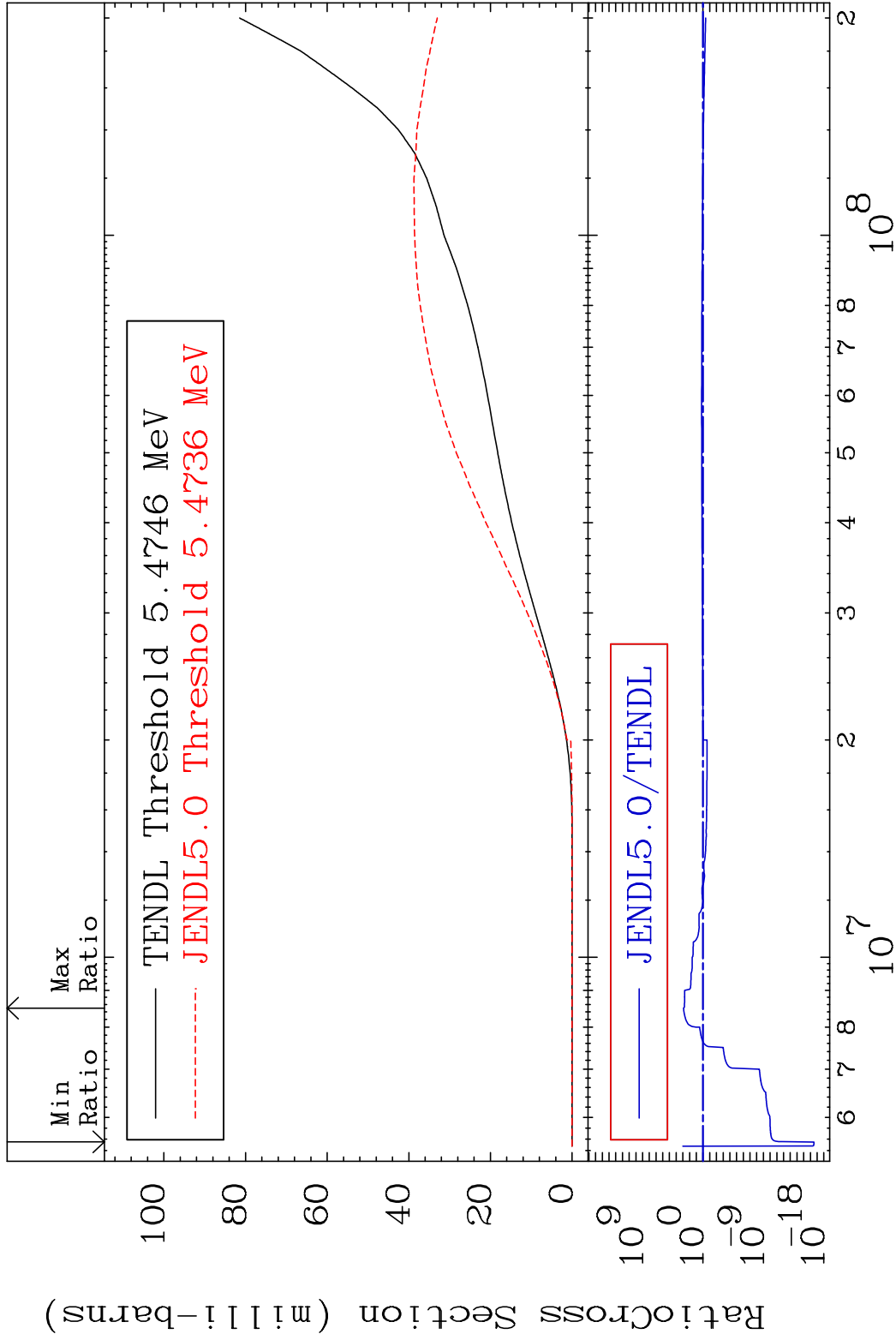


30 Incident Energy (eV) 80-Hg-201

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

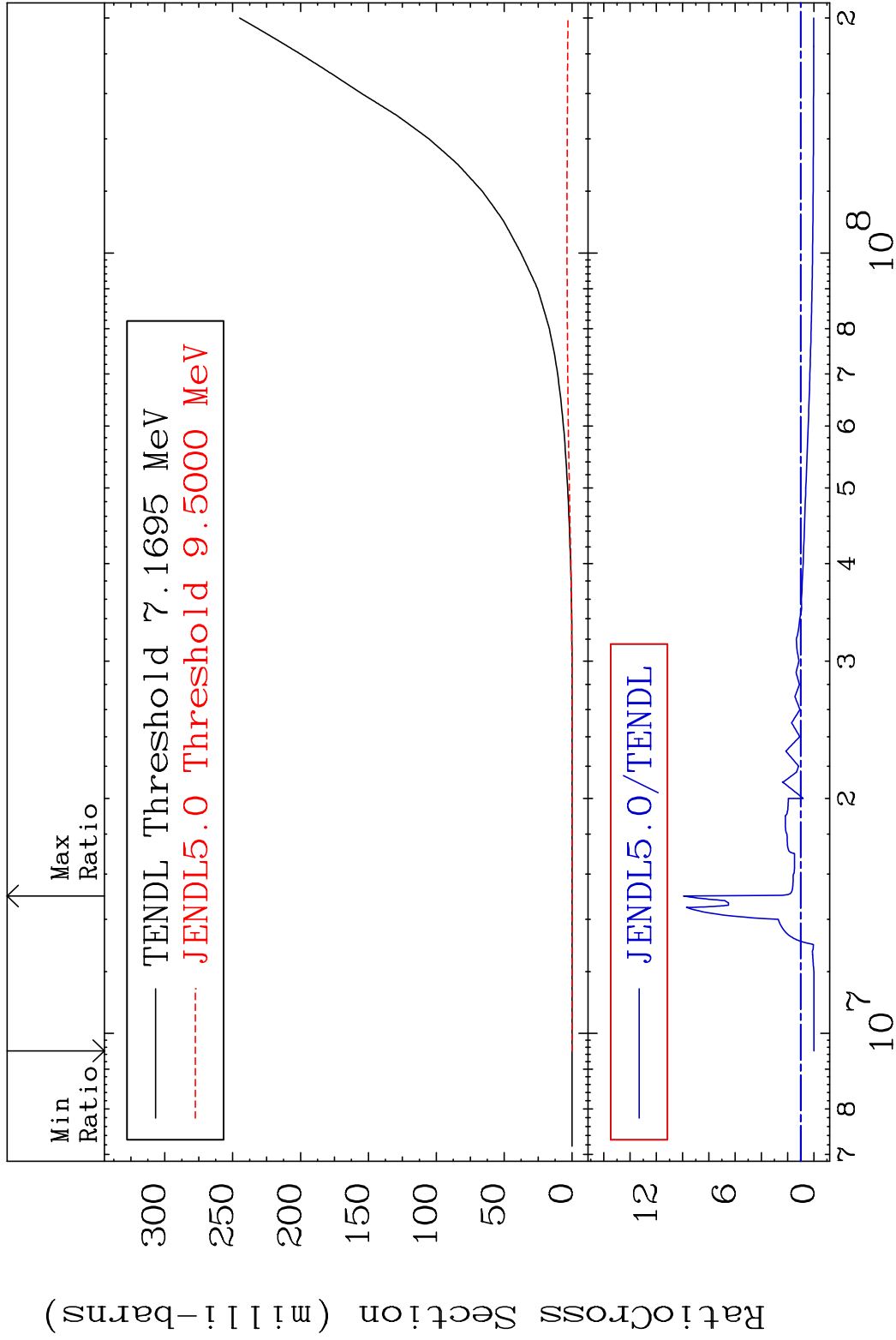


MAT 8040 Tritium Production 80-Hg-201
 Cross Section -100.0 To 9999. %

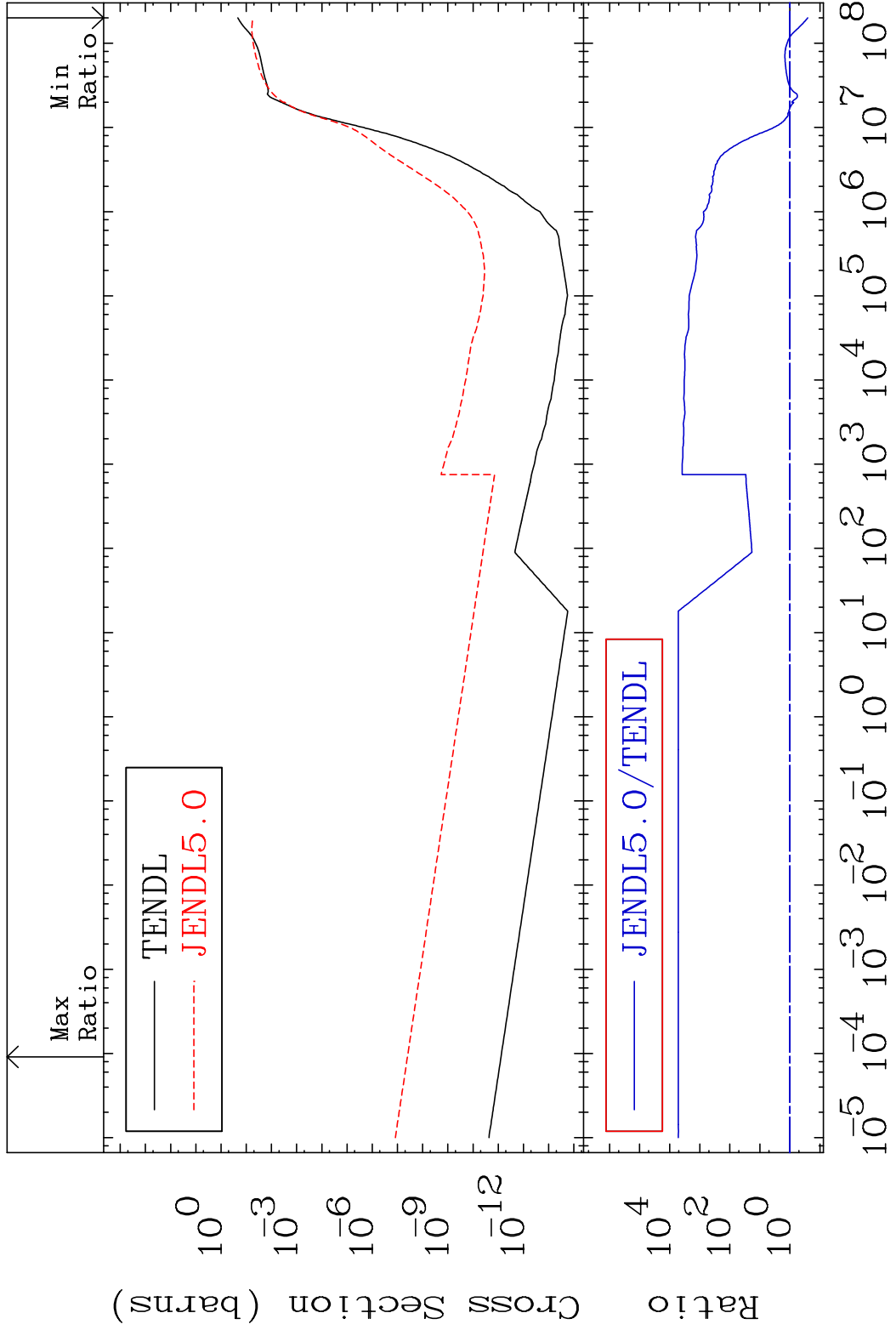


32 Incident Energy (eV) 80-Hg-201

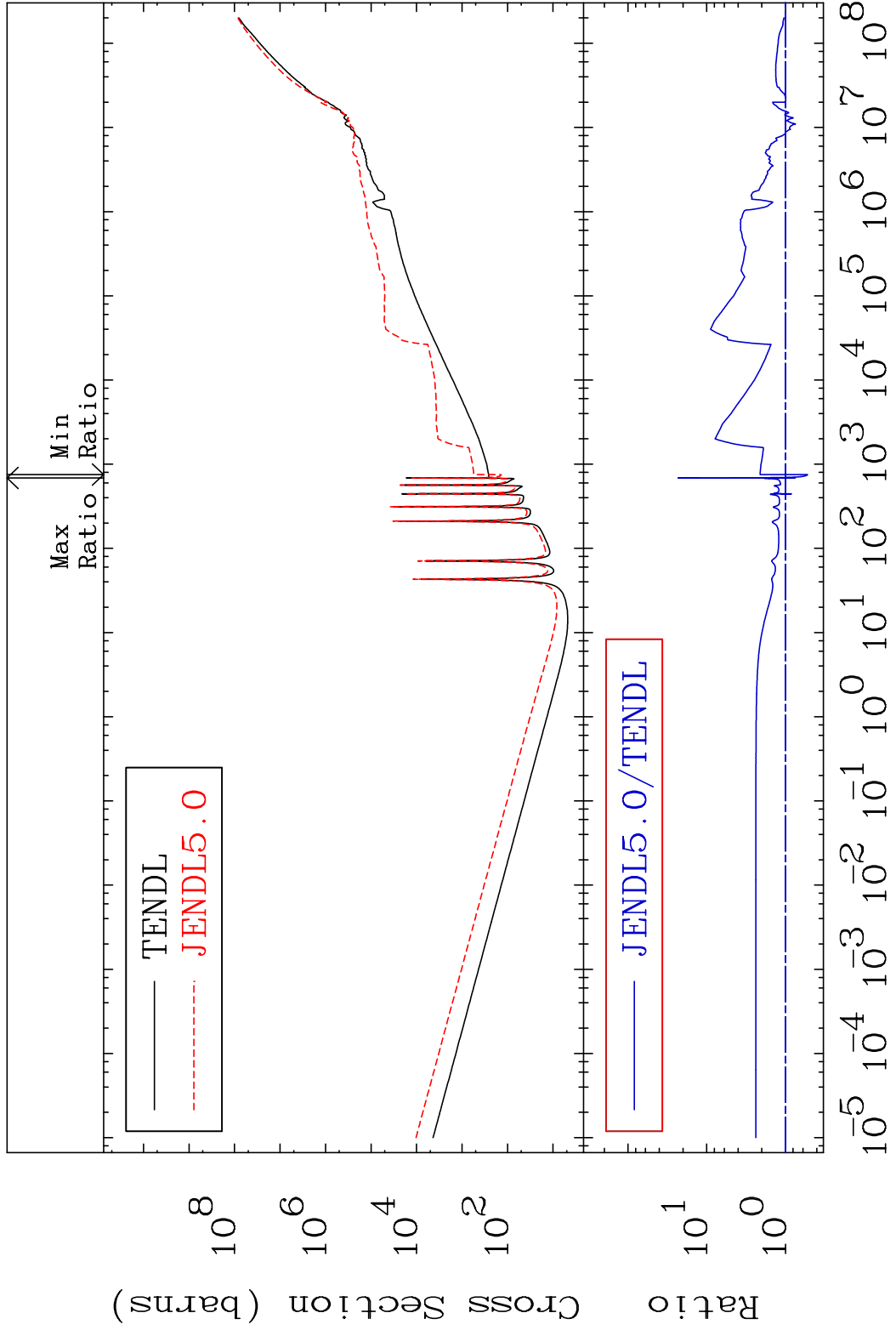
MAT 8040 He-3 Production 80-Hg-201
 Cross Section -100.0 To 893.4 %



MAT 8040 He-4 Production 80-Hg-201
 Cross Section -74.42 To 9999. %

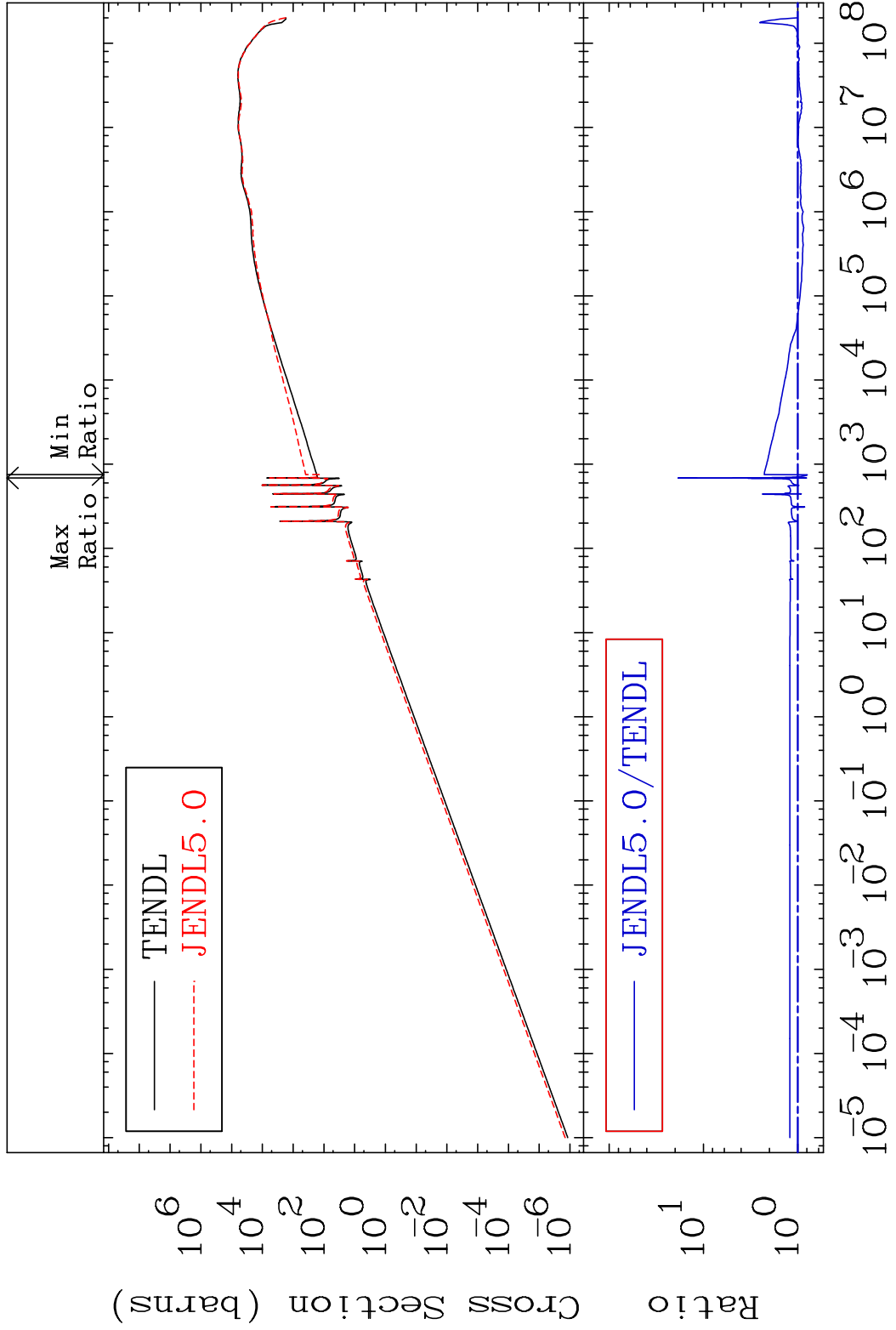


MAT 8040 Kerma total (eV-barns) 80-Hg-201
 Cross Section -47.81 To 2200. %



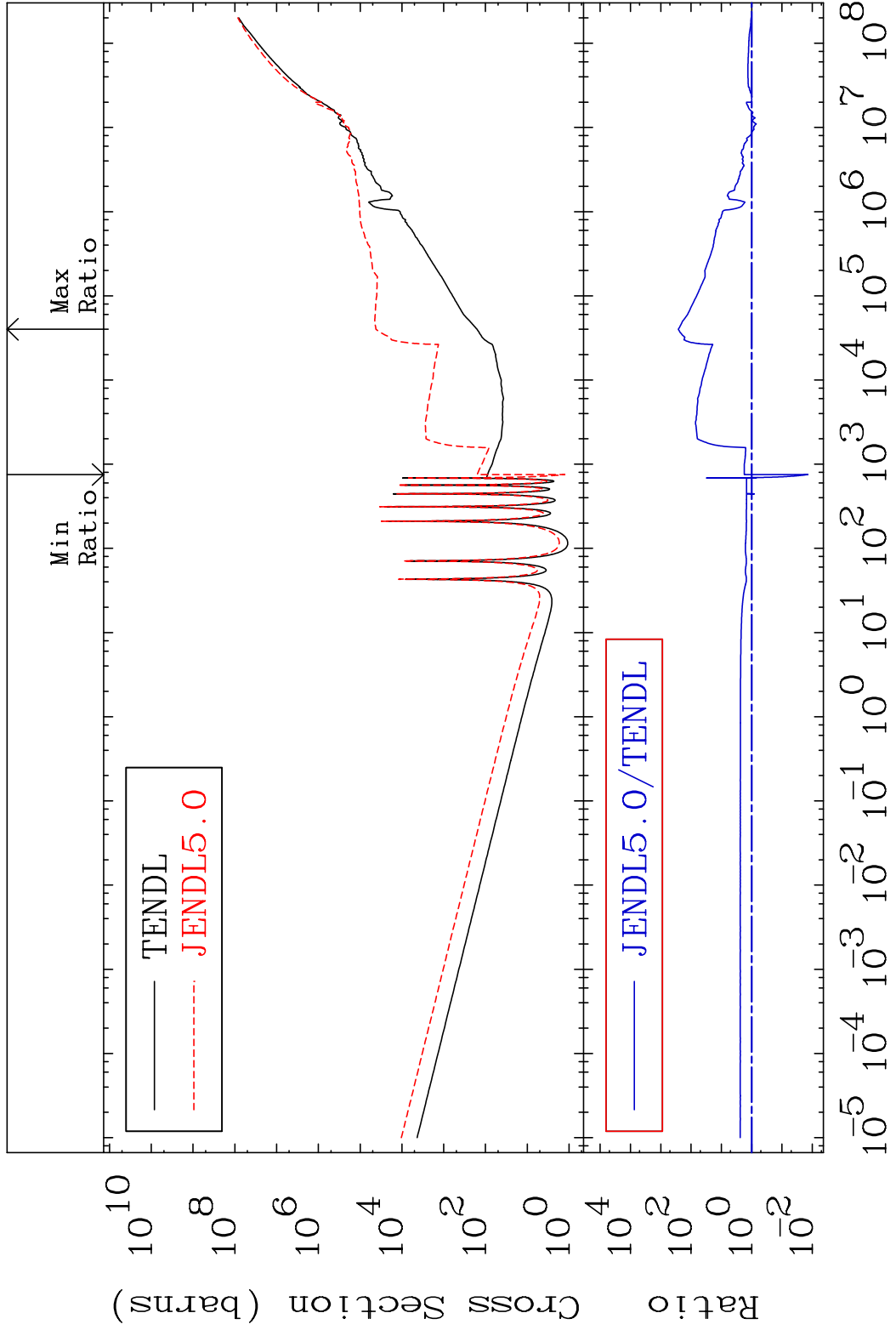
35 Incident Energy (eV) 80-Hg-201

MAT 8040 Kerma elastic Cross Section -21.57 To 1753. % 80-Hg-201



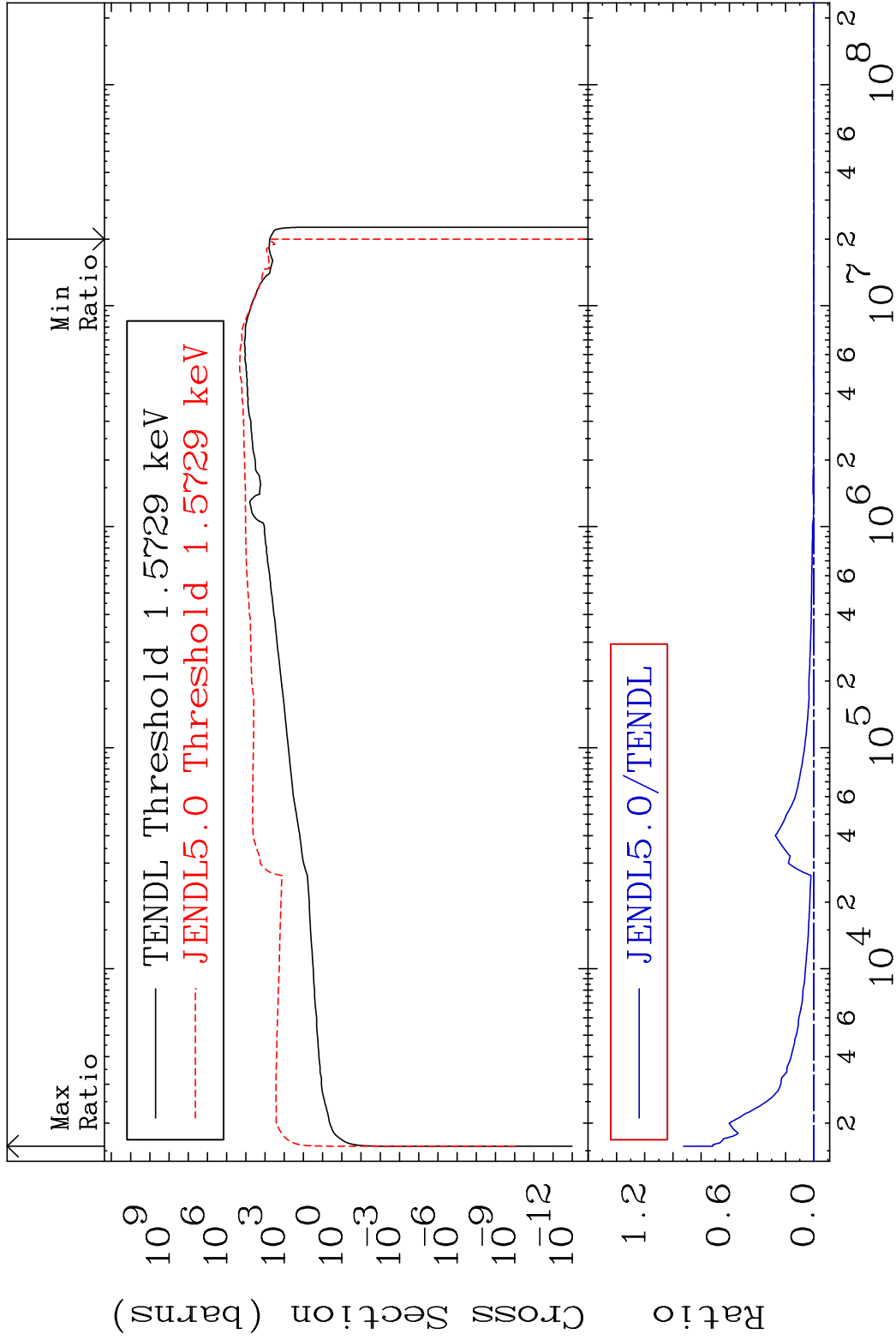
36 Incident Energy (eV) 80-Hg-201

MAT 8040 Kerma non-elastic (all but mt2) 80-Hg-201
 Cross Section -98.58 To 9999. %

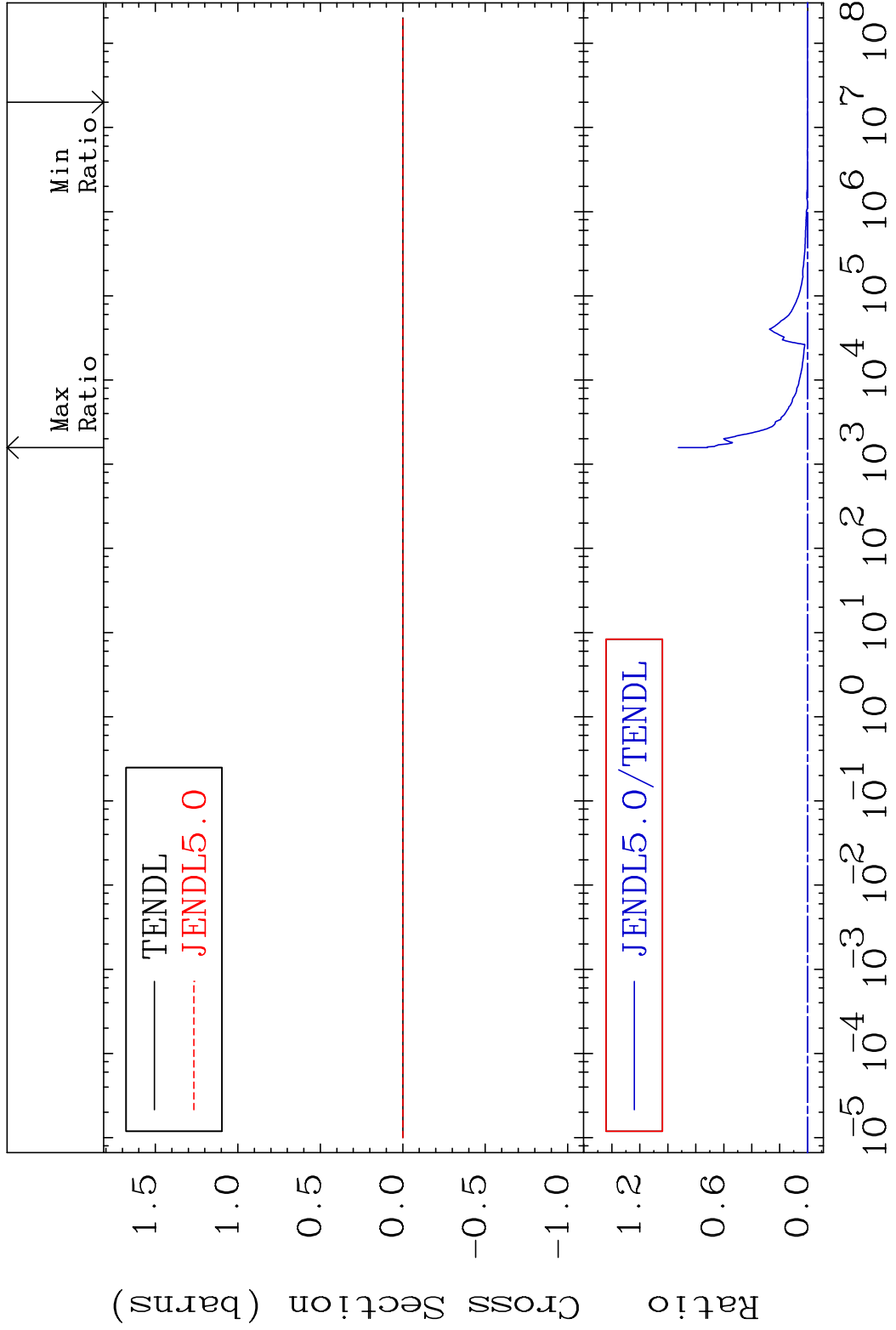


37 Incident Energy (eV) 80-Hg-201

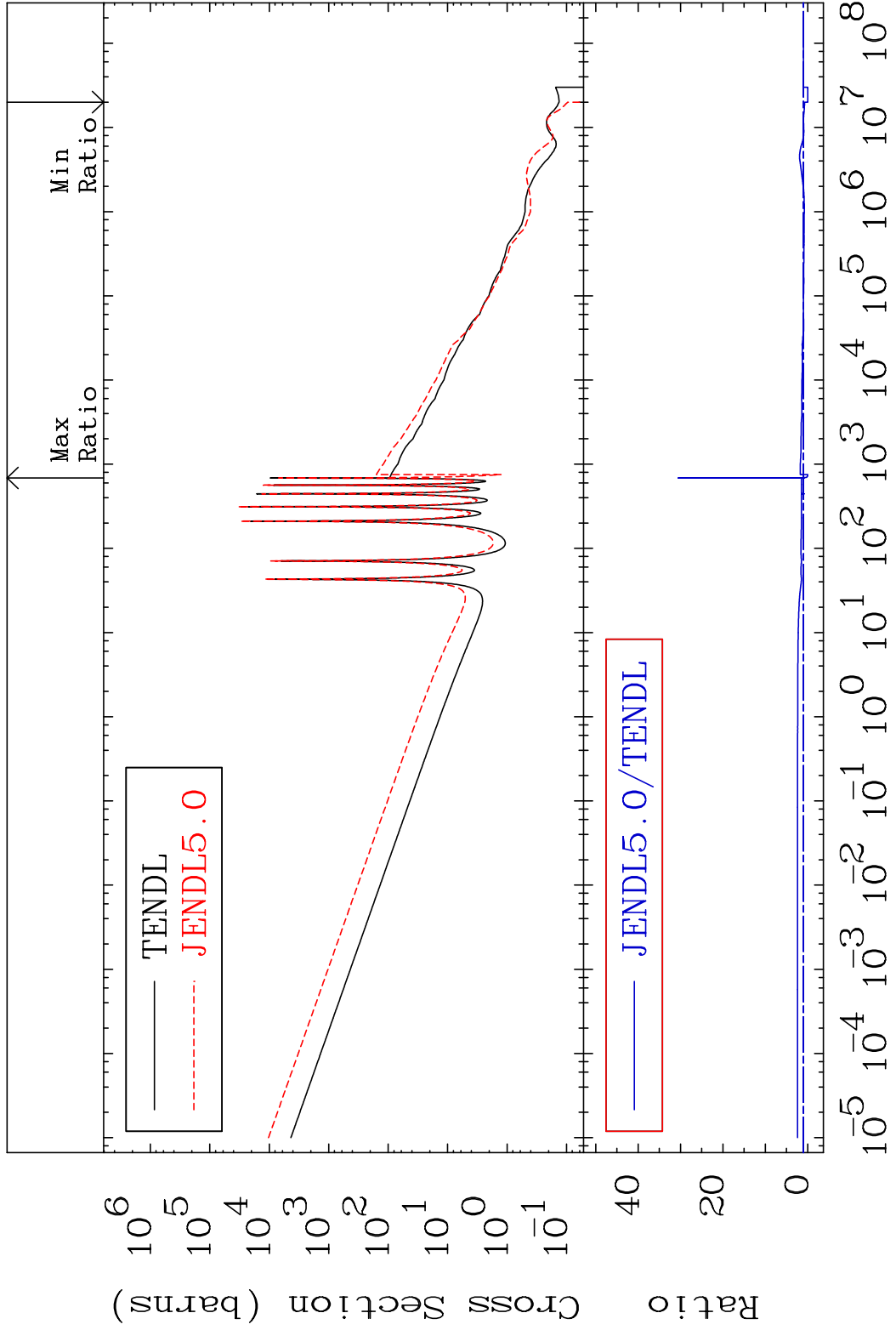
MAT 8040 Kerma inelastic (mt51-91) 80-Hg-201
 Cross Section -100.0 To 9999. %



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

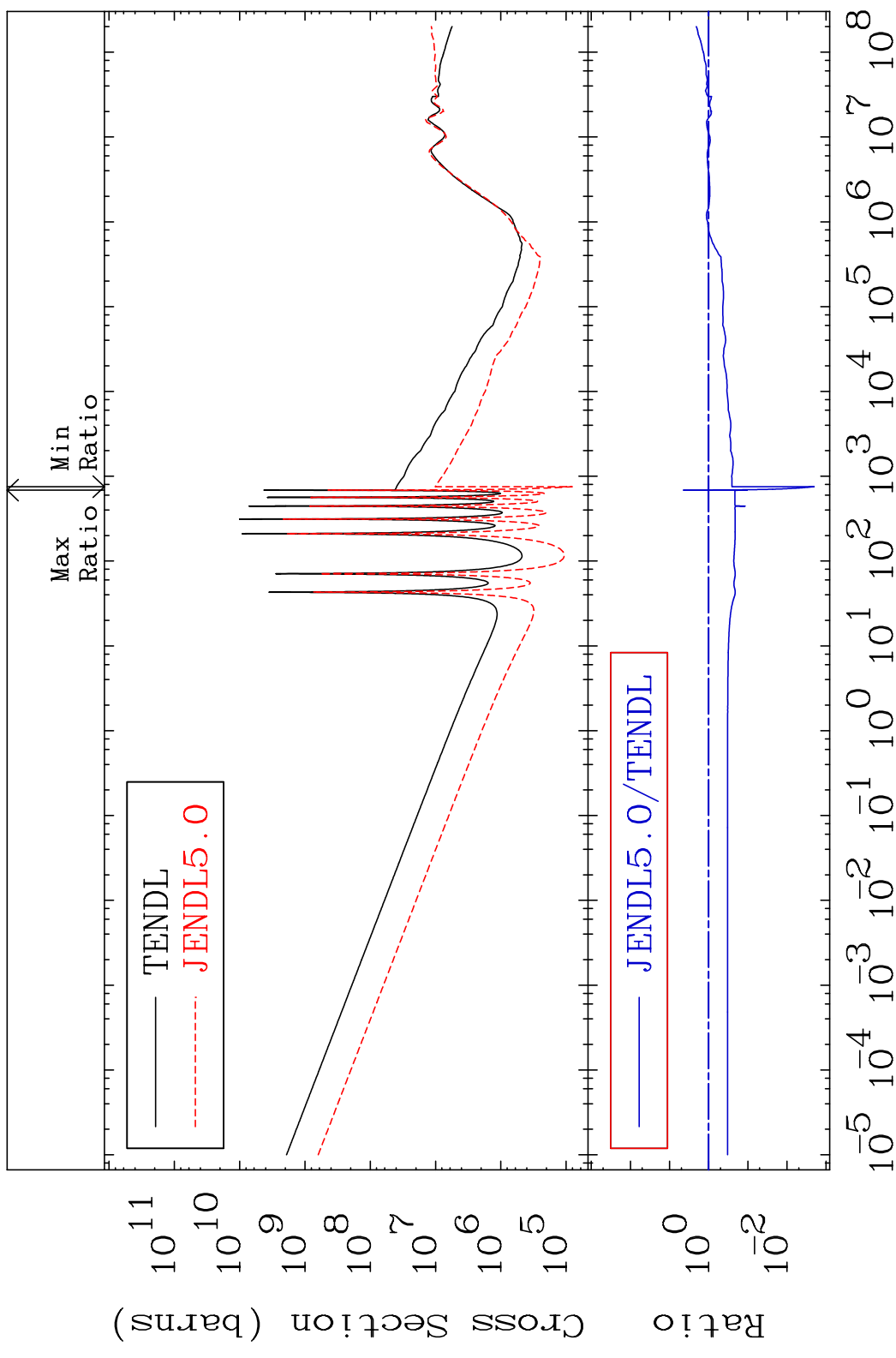


MAT 8040 Kerma capture (mt102) 80-Hg-201
 Cross Section -100.0 To 2953. %



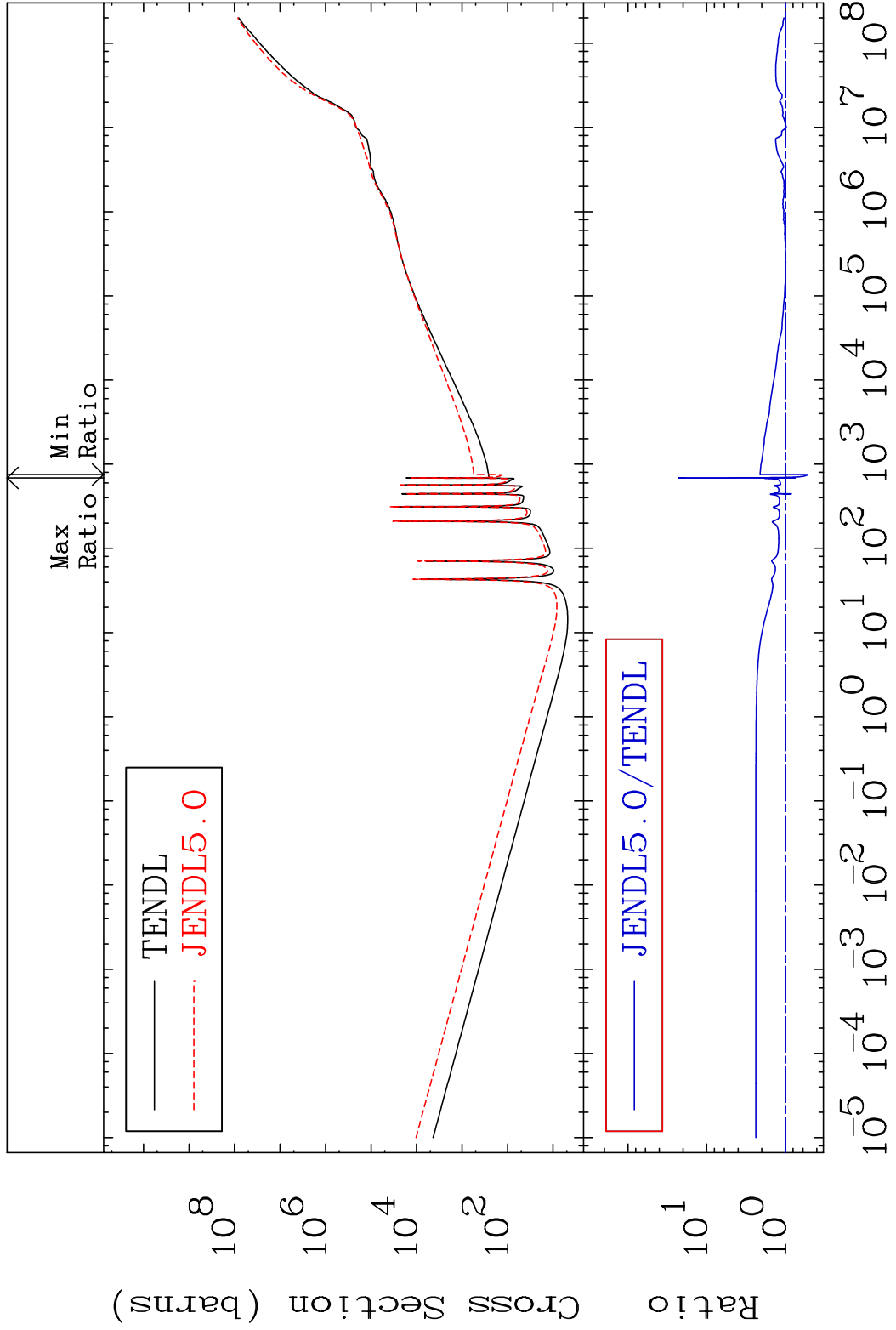
40 Incident Energy (eV) 80-Hg-201

MAT 8040 Total photon (eV-barns) 80-Hg-201
 Cross Section -99.79 To 341.2 %

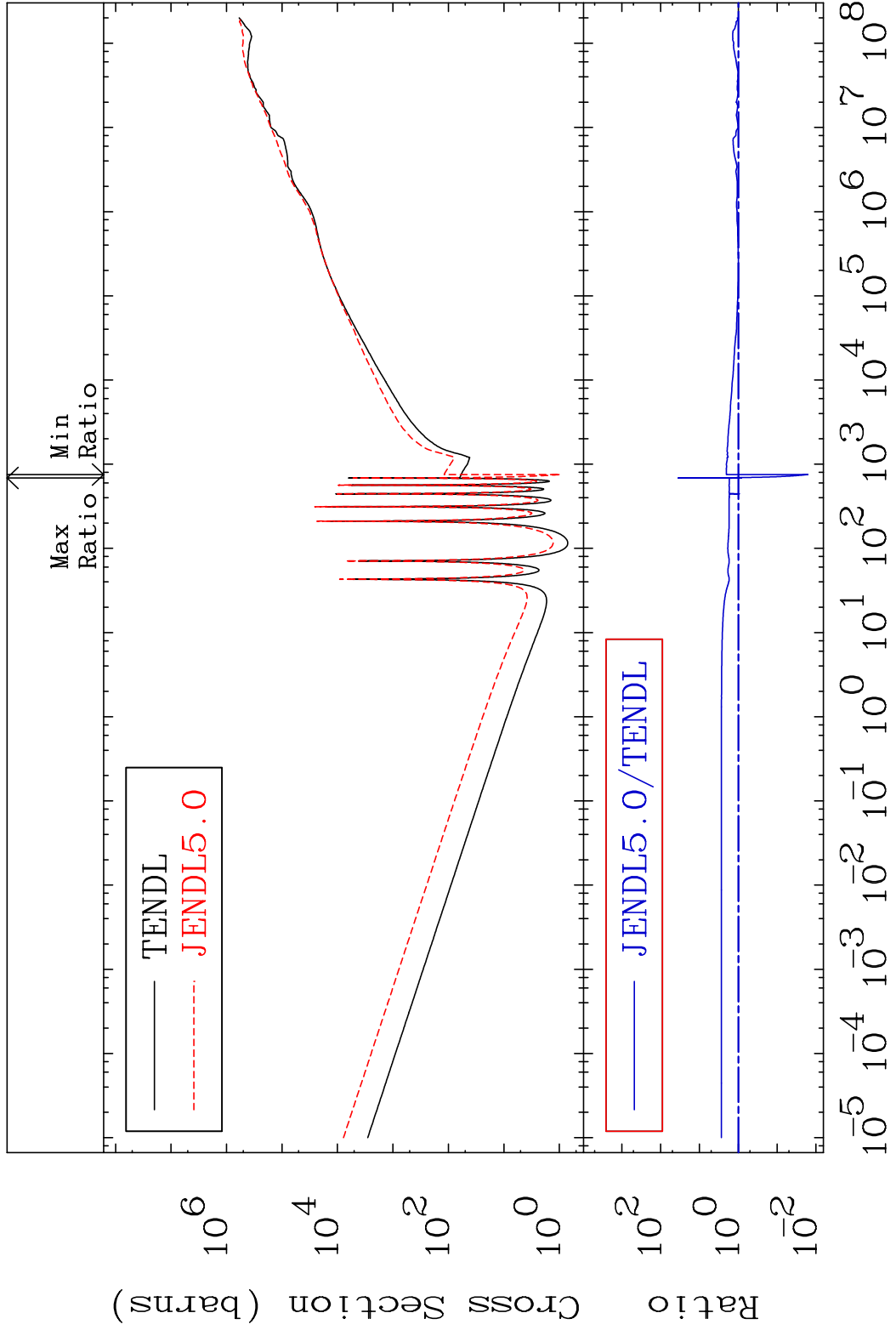


41 Incident Energy (eV) 80-Hg-201

MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
 Cross Section -47.81 To 2200. %

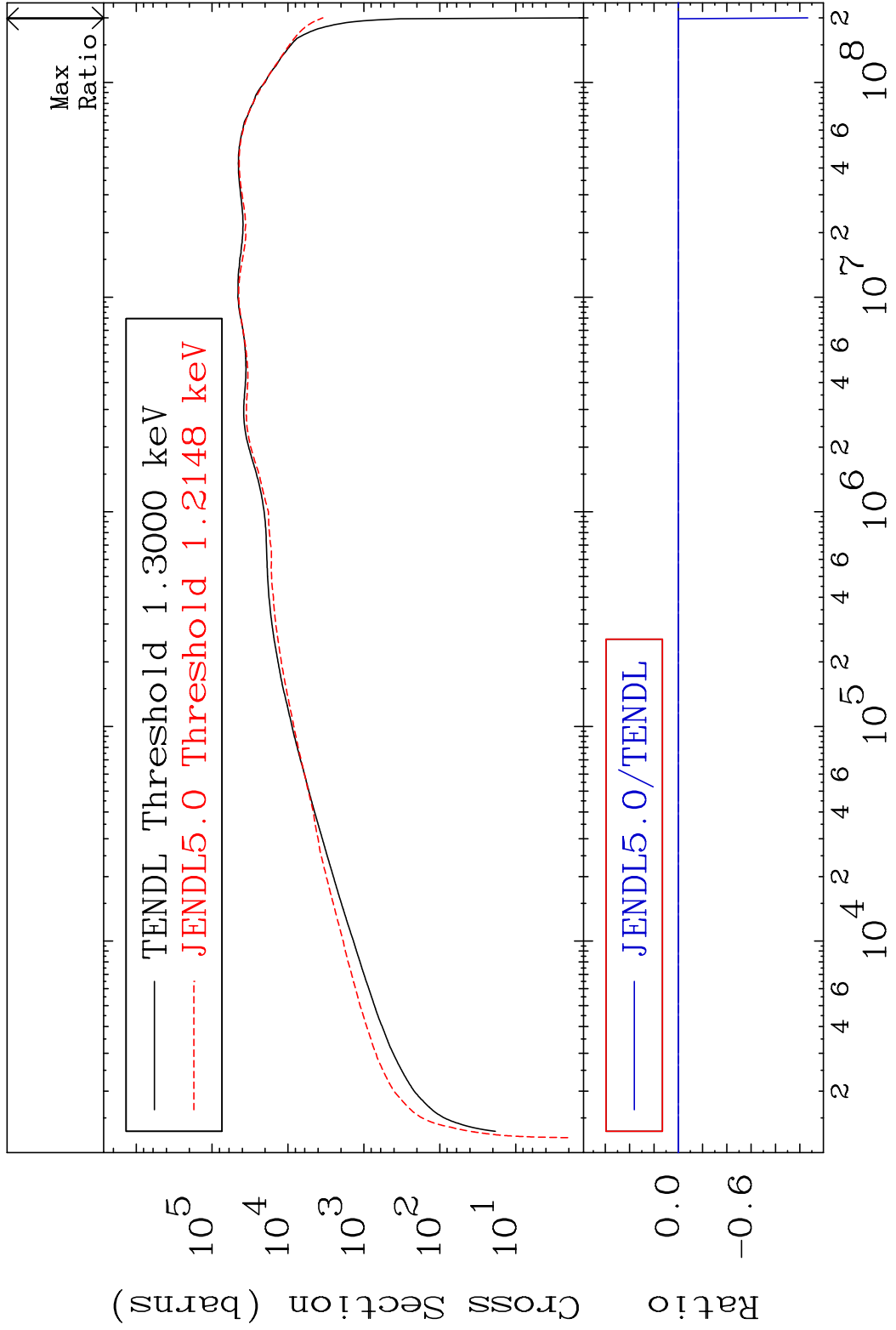


MAT 8040 Dpa total (eV-barns) 80-Hg-201
 Cross Section -98.37 To 3411. %

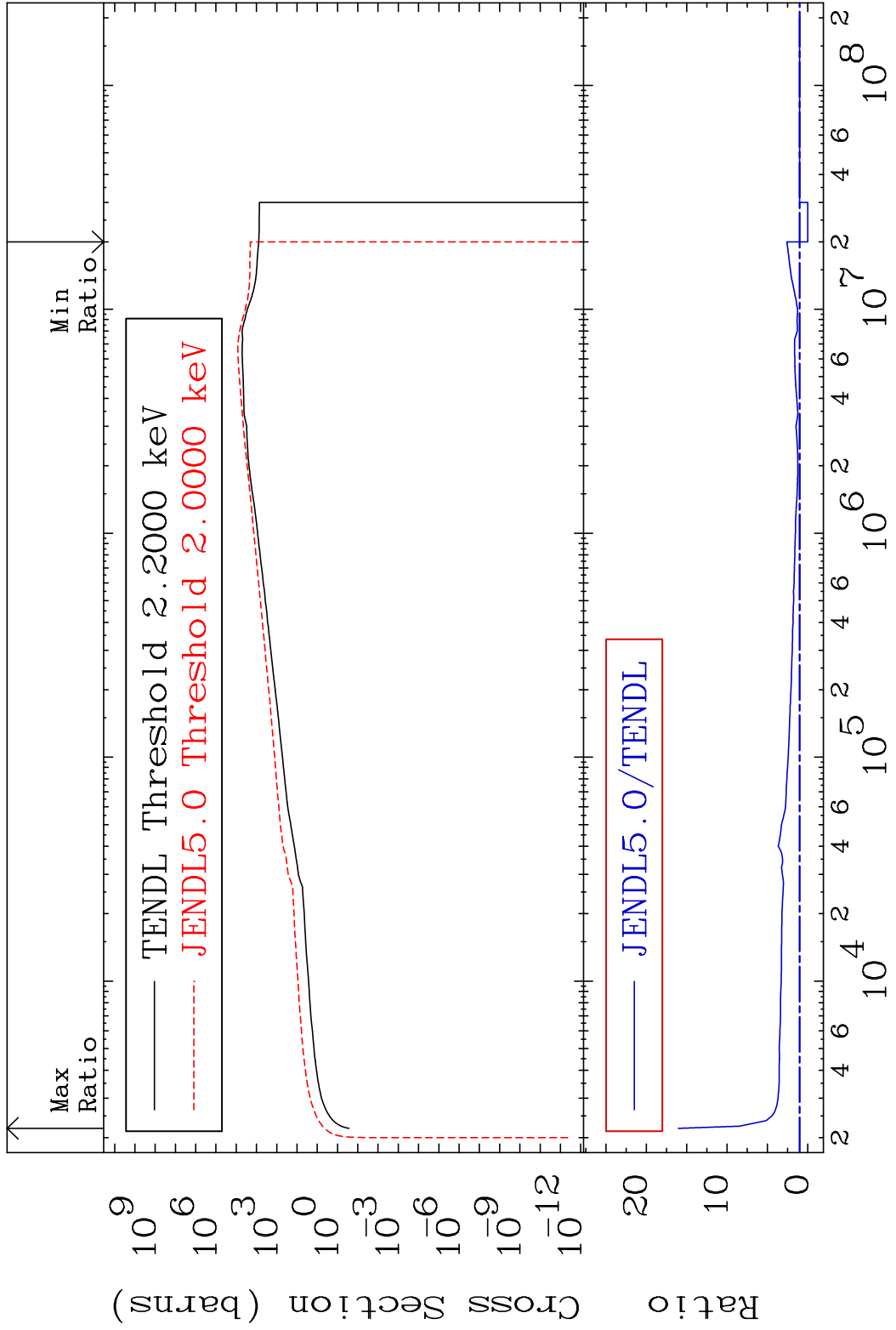


43 Incident Energy (eV) 80-Hg-201

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

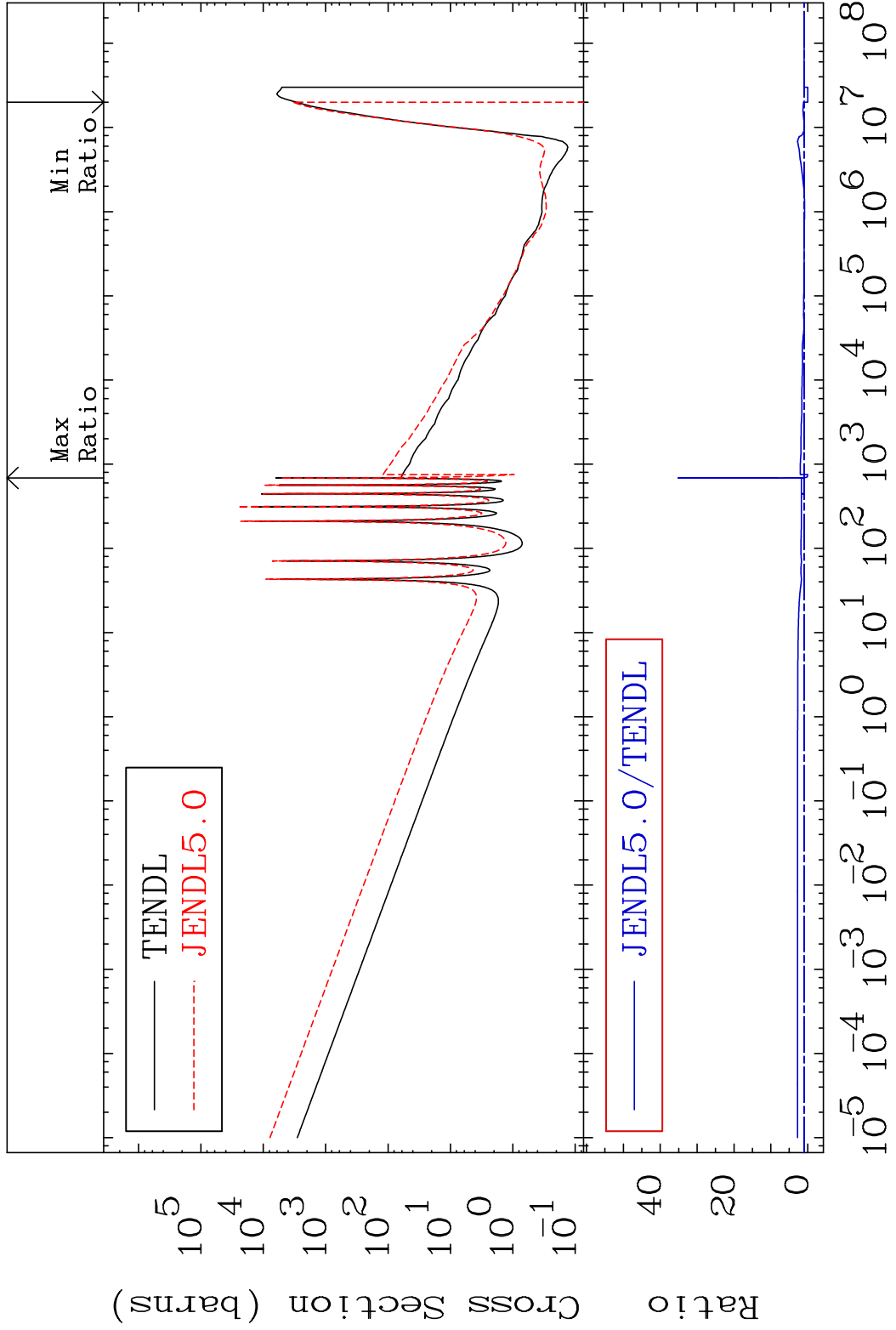


MAT 8040 Dpa inelastic (mt51-91) 80-Hg-201
 Cross Section -100.0 To 1503. %



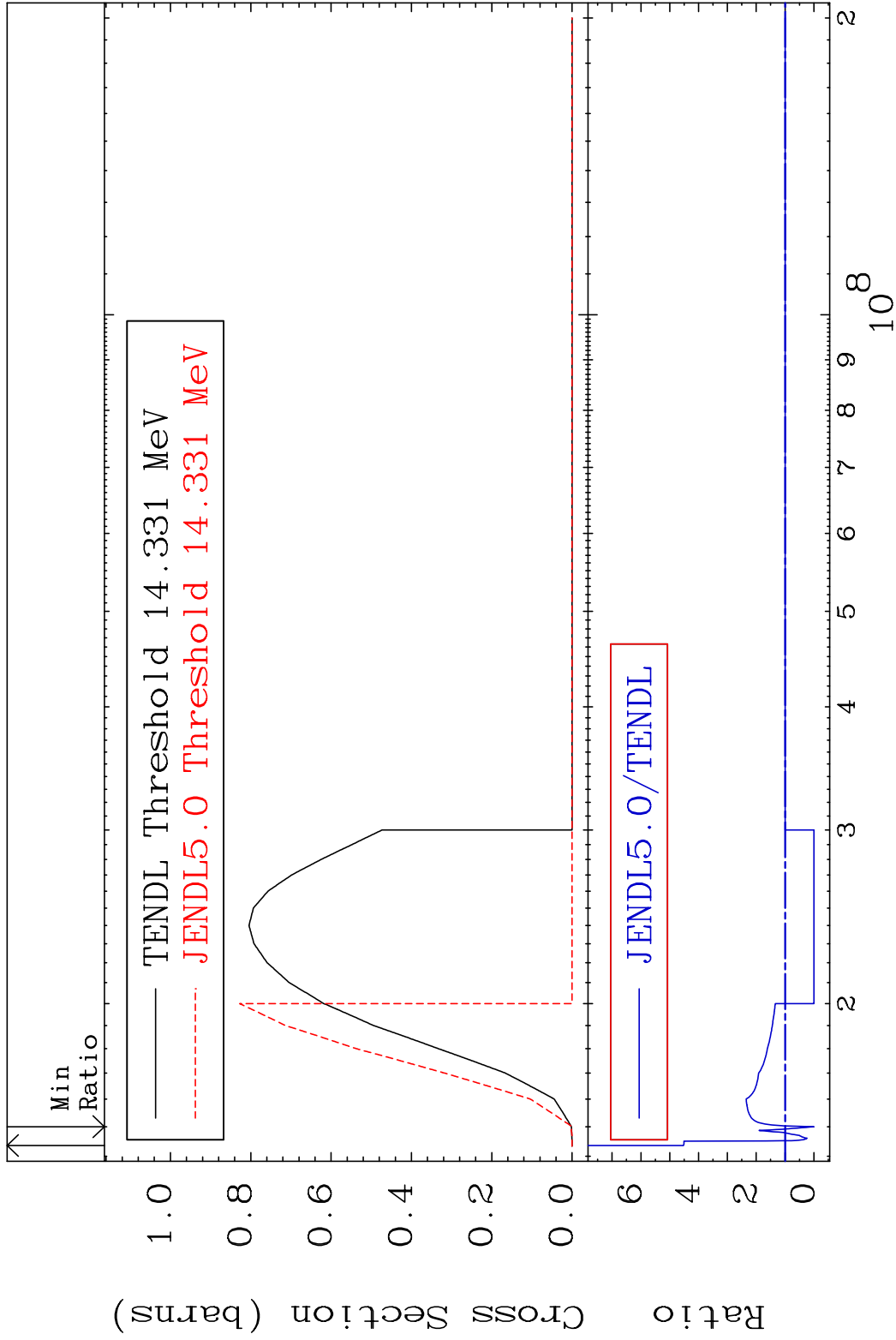
45 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
 Cross Section -100.0 To 3411. %

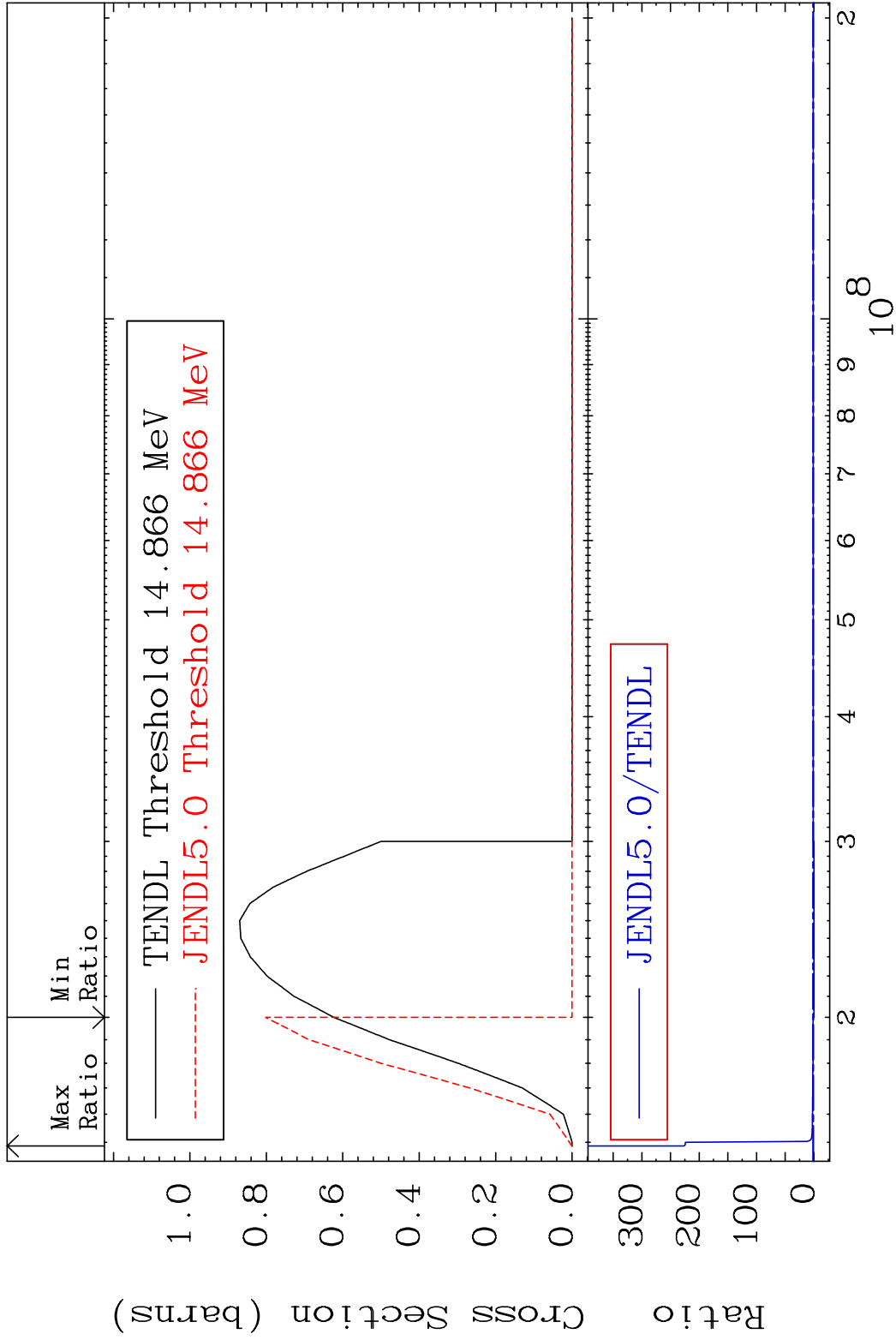


46 Incident Energy (eV) 80-Hg-201

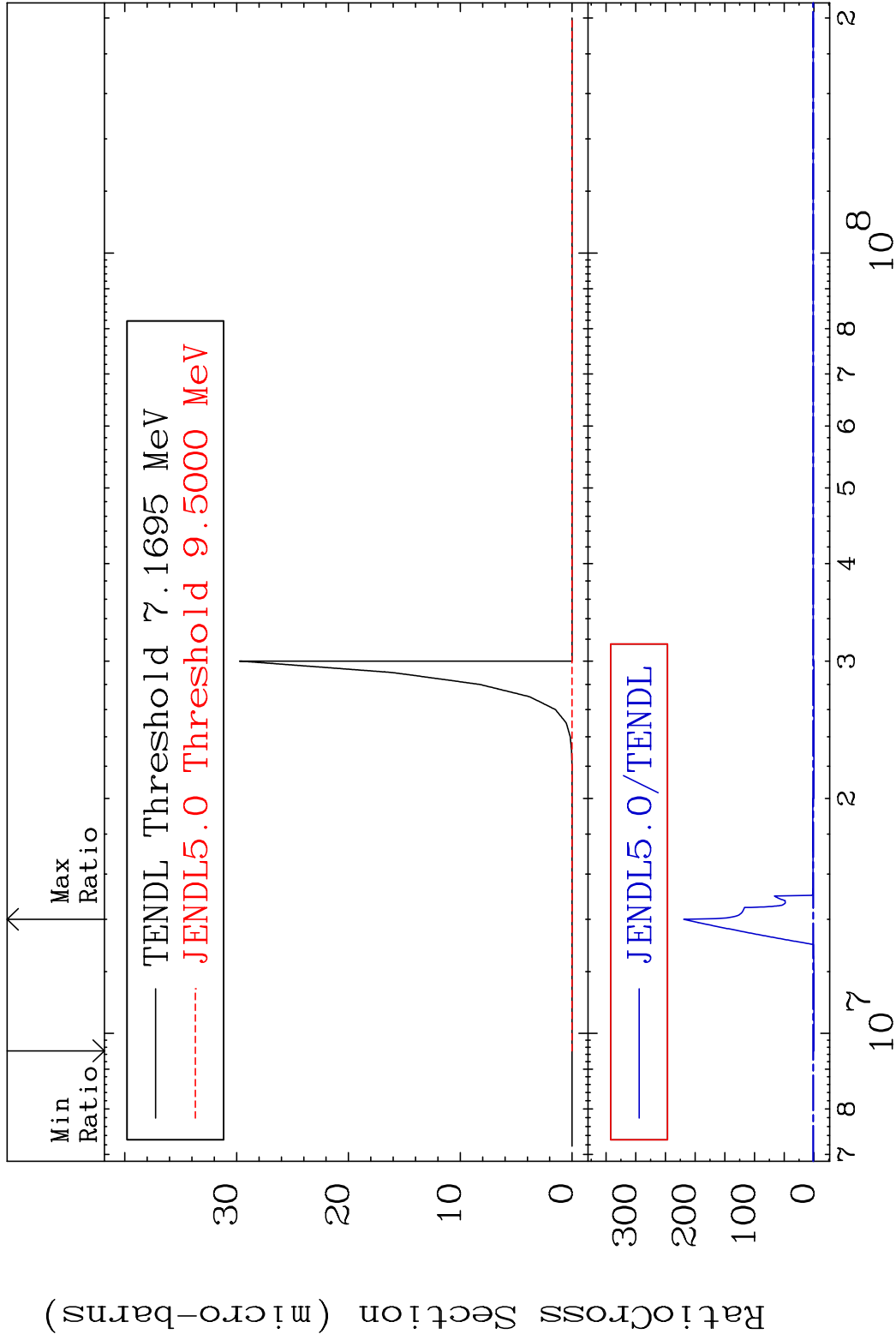
MAT 8040 (n,3n):80-Hg-199g 80-Hg-201
 Radionuclide Production Cross Section 180000 dpo 352.4 %



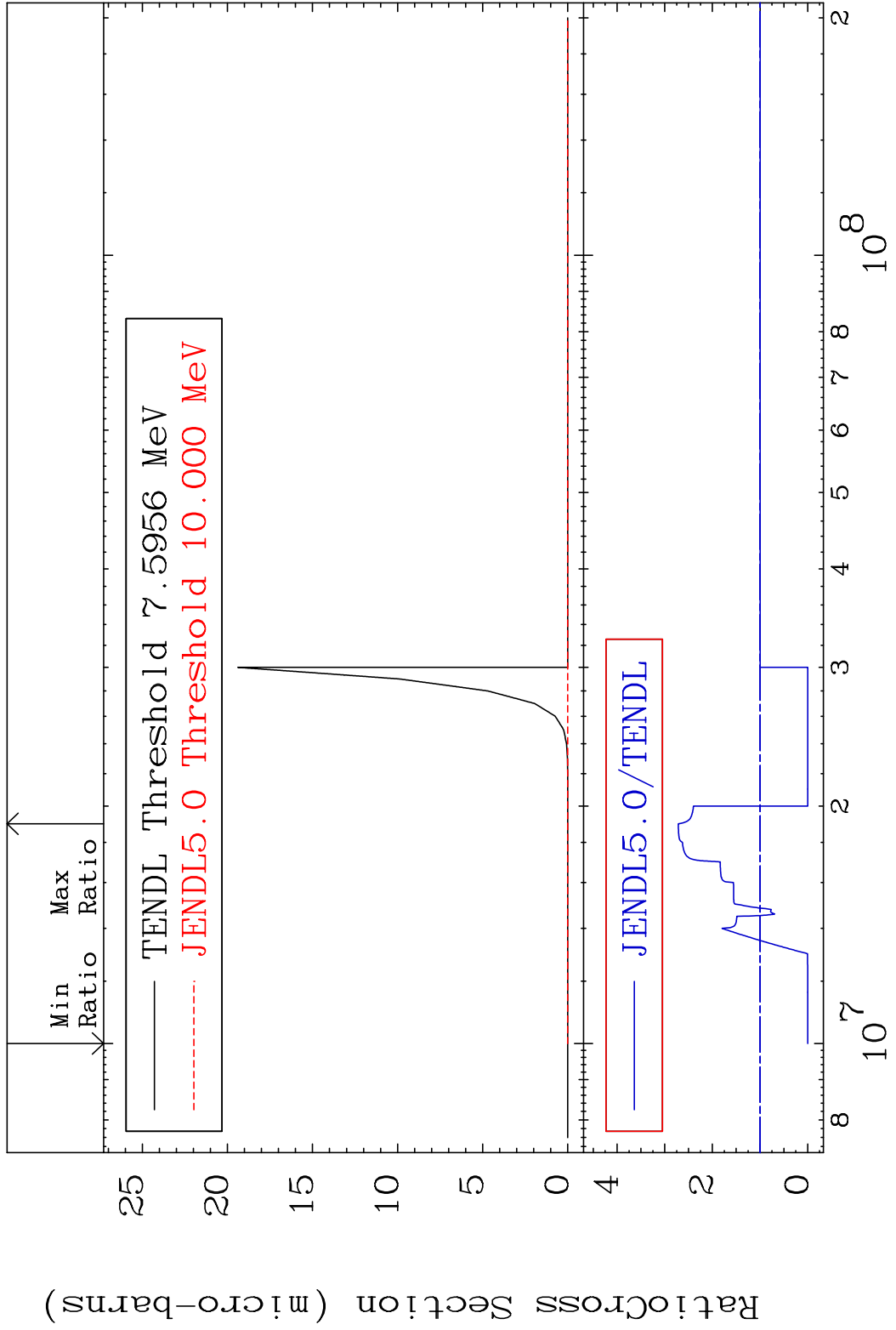
MAT 8040 (n,3n):80-Hg-199m7 80-Hg-201
 Radionuclide Production Cross Section 180000 dth 9999. %



48 Incident Energy (eV) 80-Hg-201

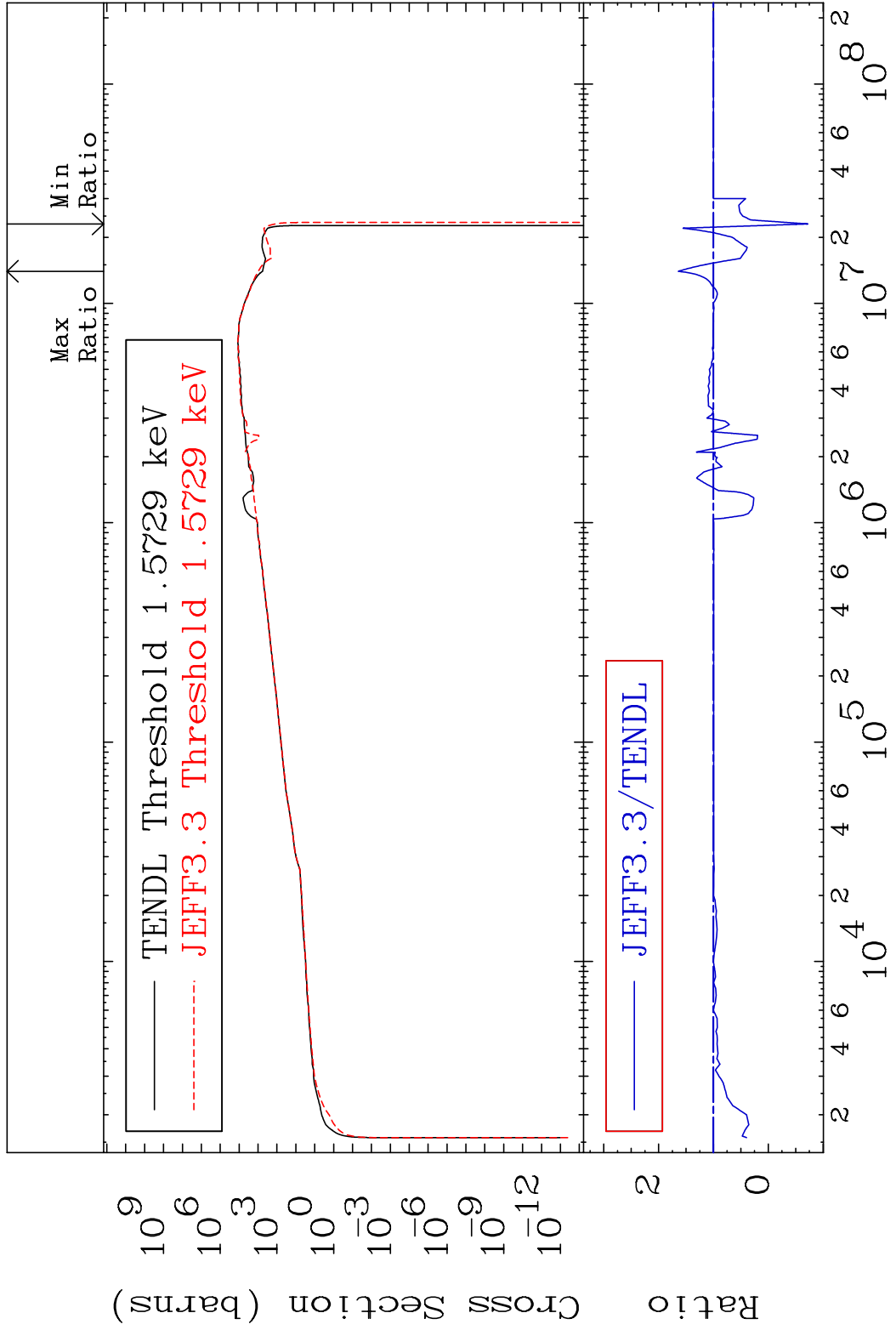


MAT 8040 (n,He-3):78-Pt-199m8 80-Hg-201
 Radionuclide Production Cross Section 18000 dth 171.6 %



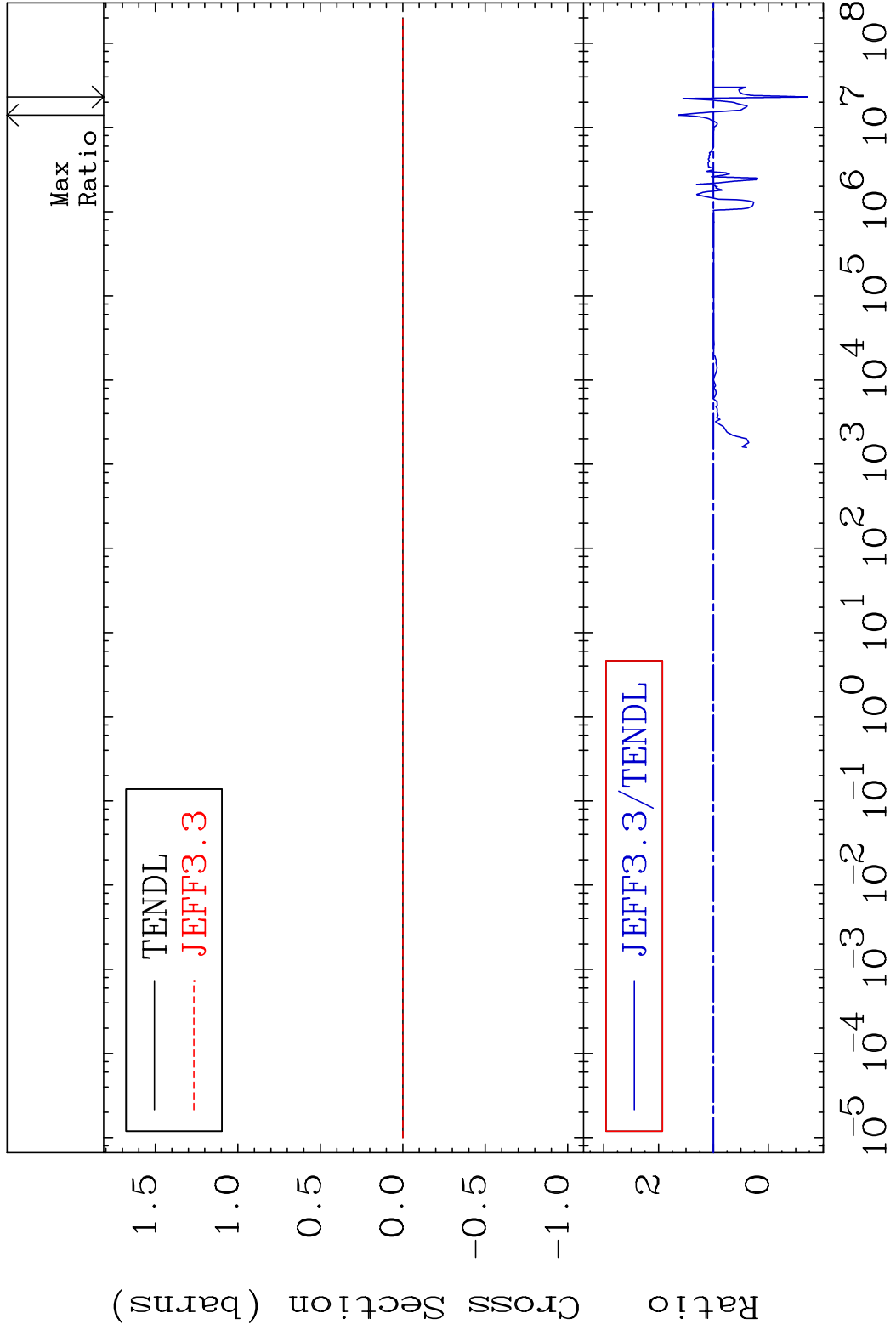
50 Incident Energy (eV) 80-Hg-201

MAT 8040 Kerma inelastic (mt51-91) 80-Hg-201
 Cross Section -171.8 To 64.12 %

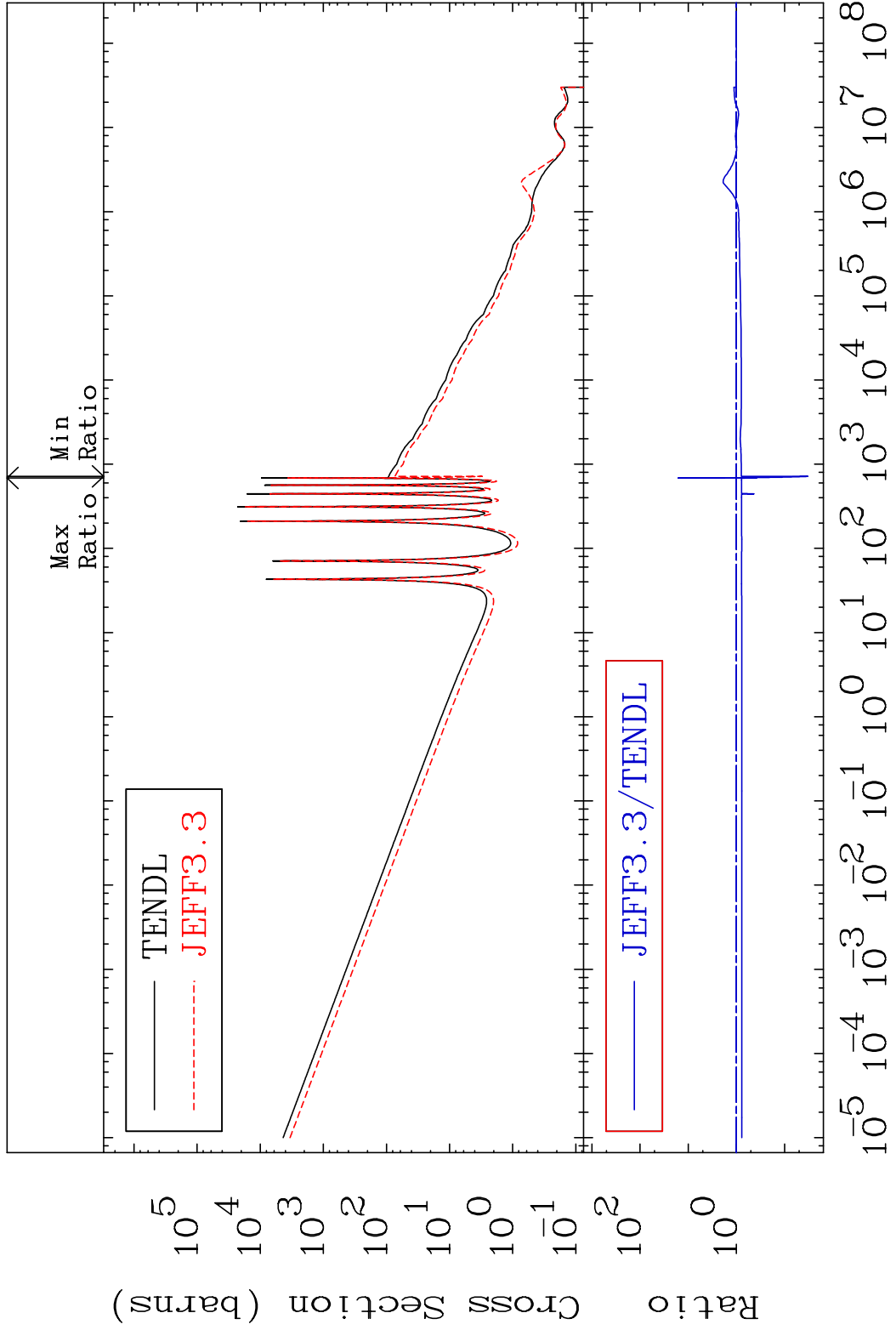


51 Incident Energy (eV) 80-Hg-201

MAT 8040 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-201
 Cross Section -171.8 To 64.12 %

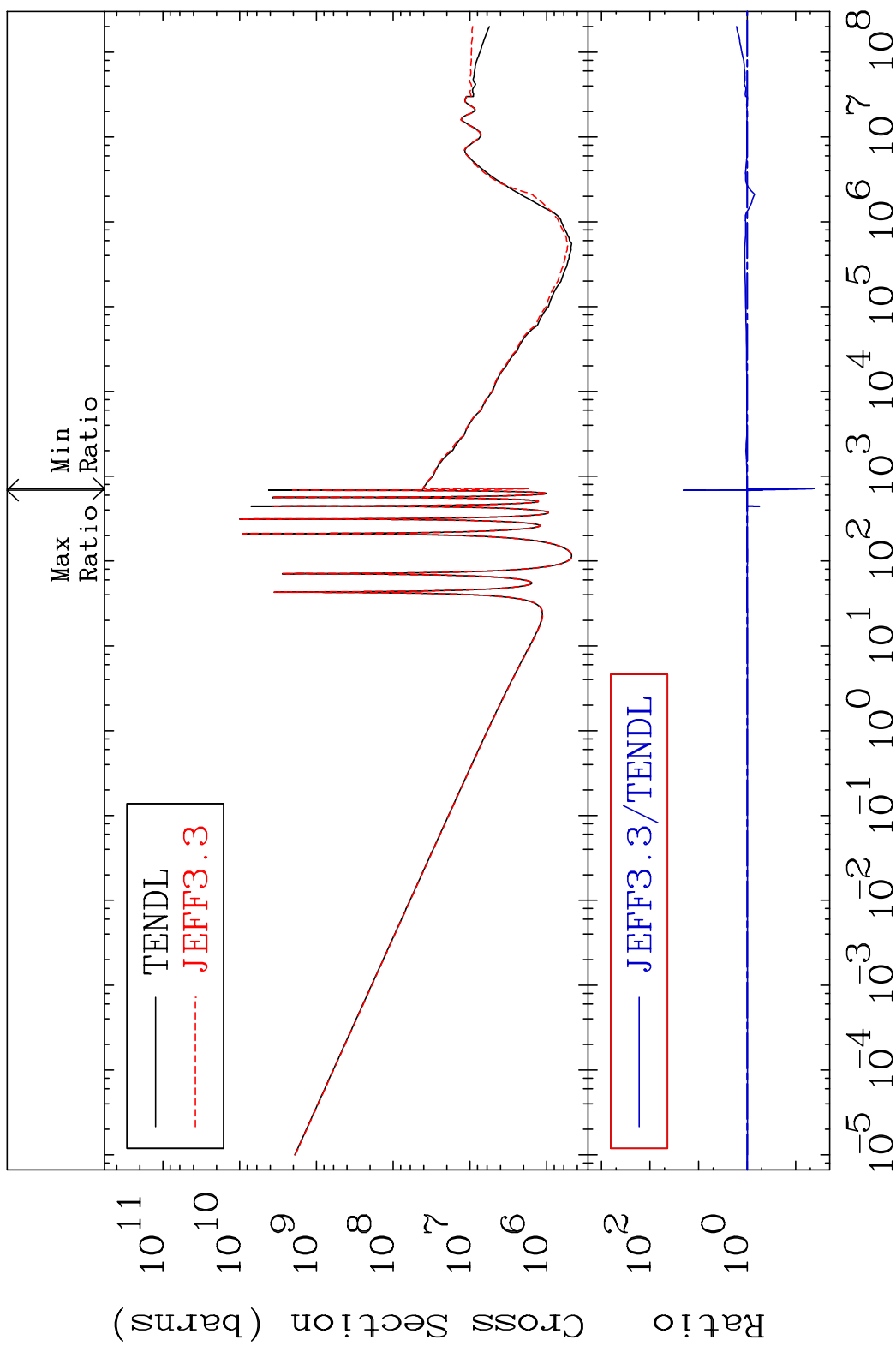


MAT 8040 Kerma capture (mt102) 80-Hg-201
Cross Section -96.68 To 1511. %



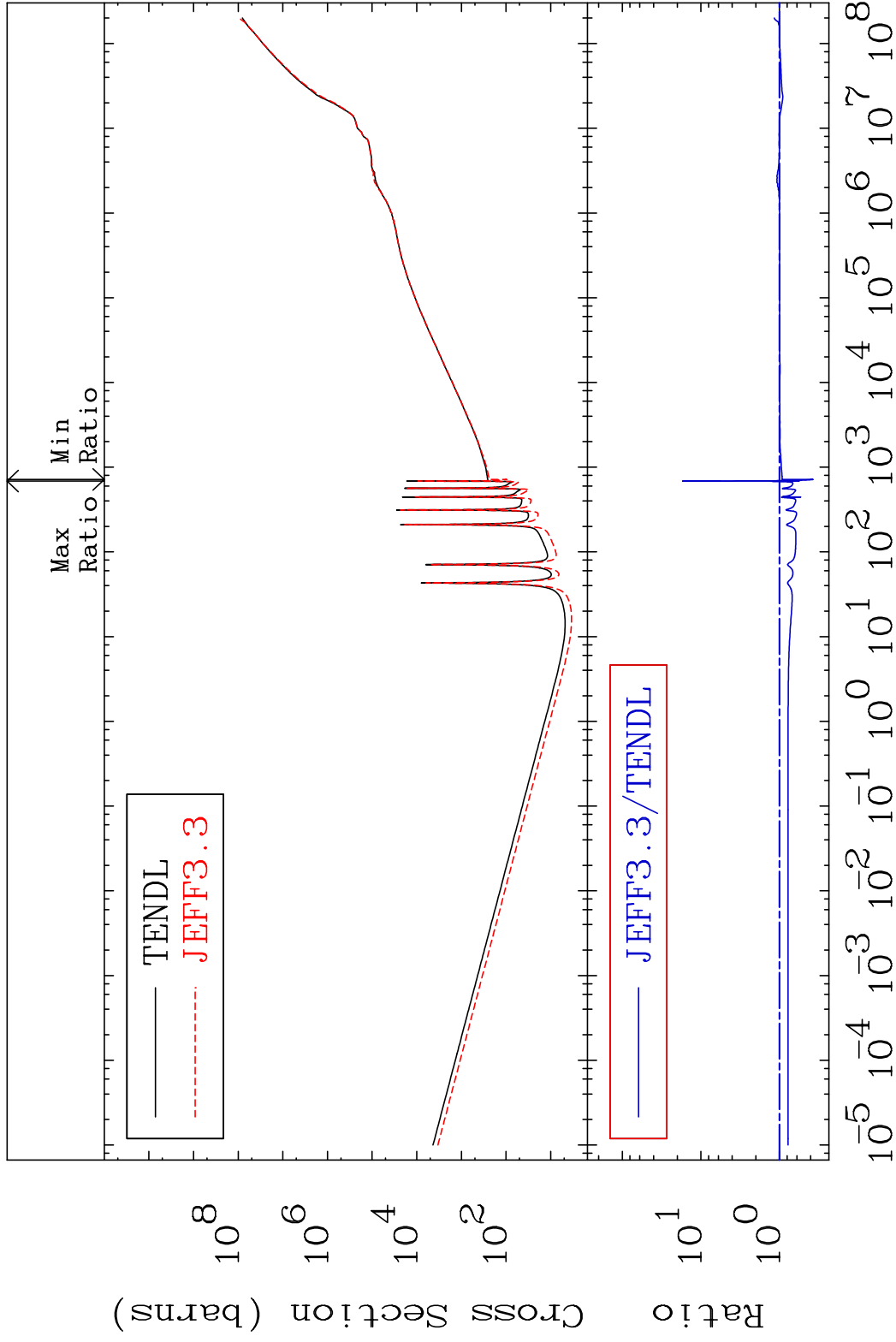
53 Incident Energy (eV) 80-Hg-201

MAT 8040 Total photon (eV-barns) 80-Hg-201
 Cross Section -95.79 To 1948. %

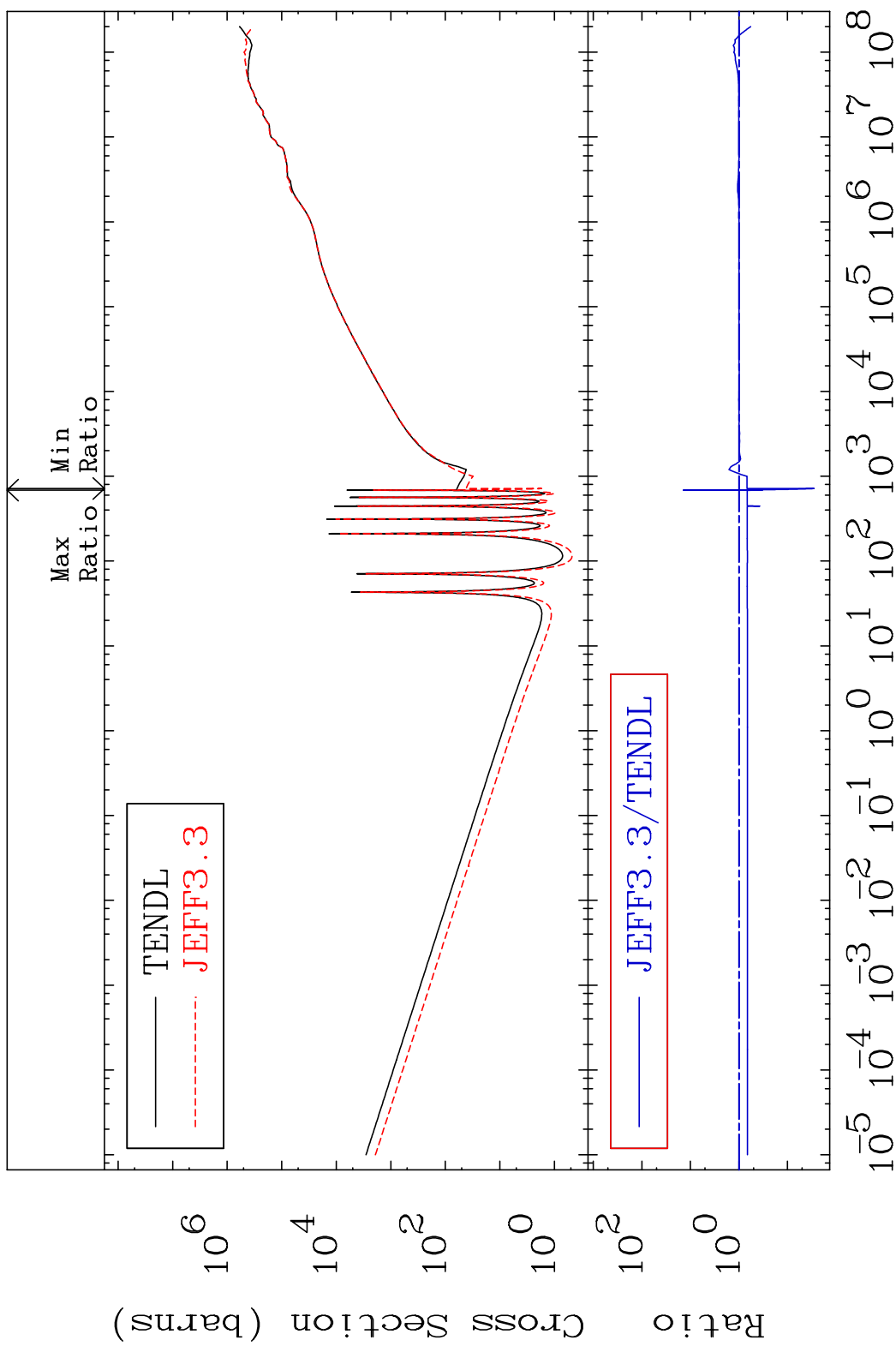


54 Incident Energy (eV) 80-Hg-201

MAT 8040 Total kinematic kerma (high limit) 80-Hg-201
Cross Section -62.67 To 1600. %

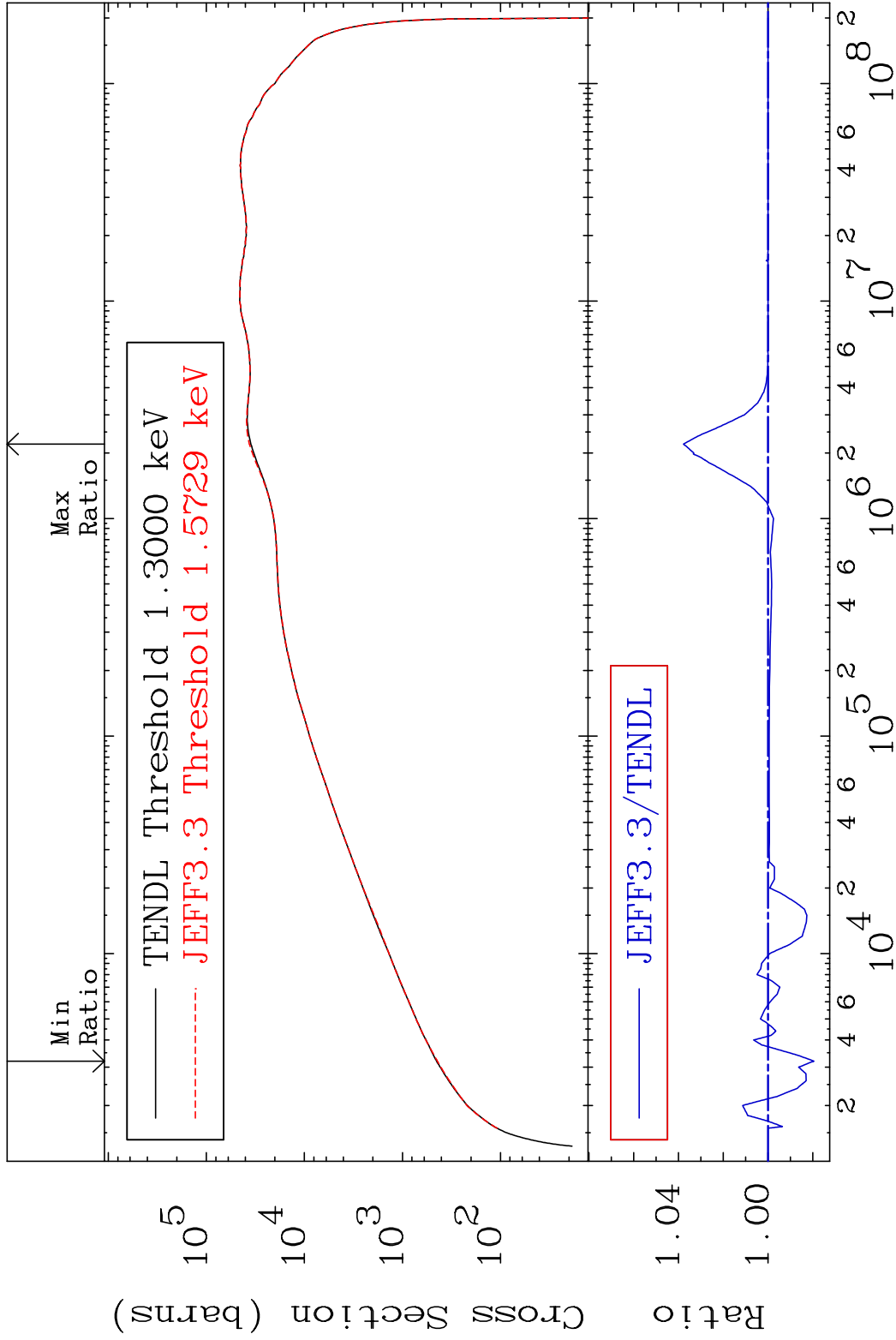


MAT 8040 Dpa total (eV-barns) 80-Hg-201
 Cross Section -97.14 To 1289. %



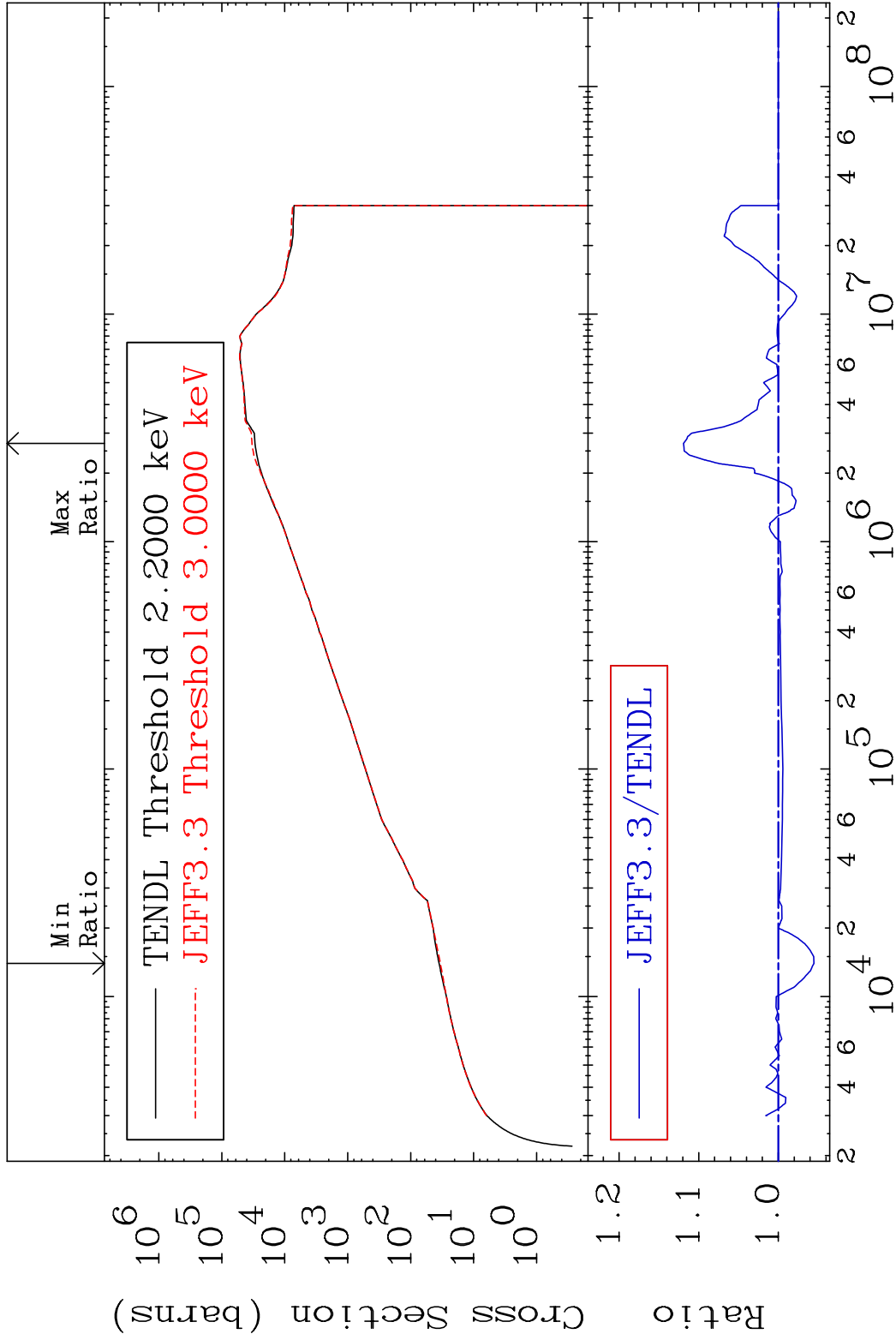
56 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa elastic (mt2) 80-Hg-201
 Cross Section -2.046 To 3.778 %



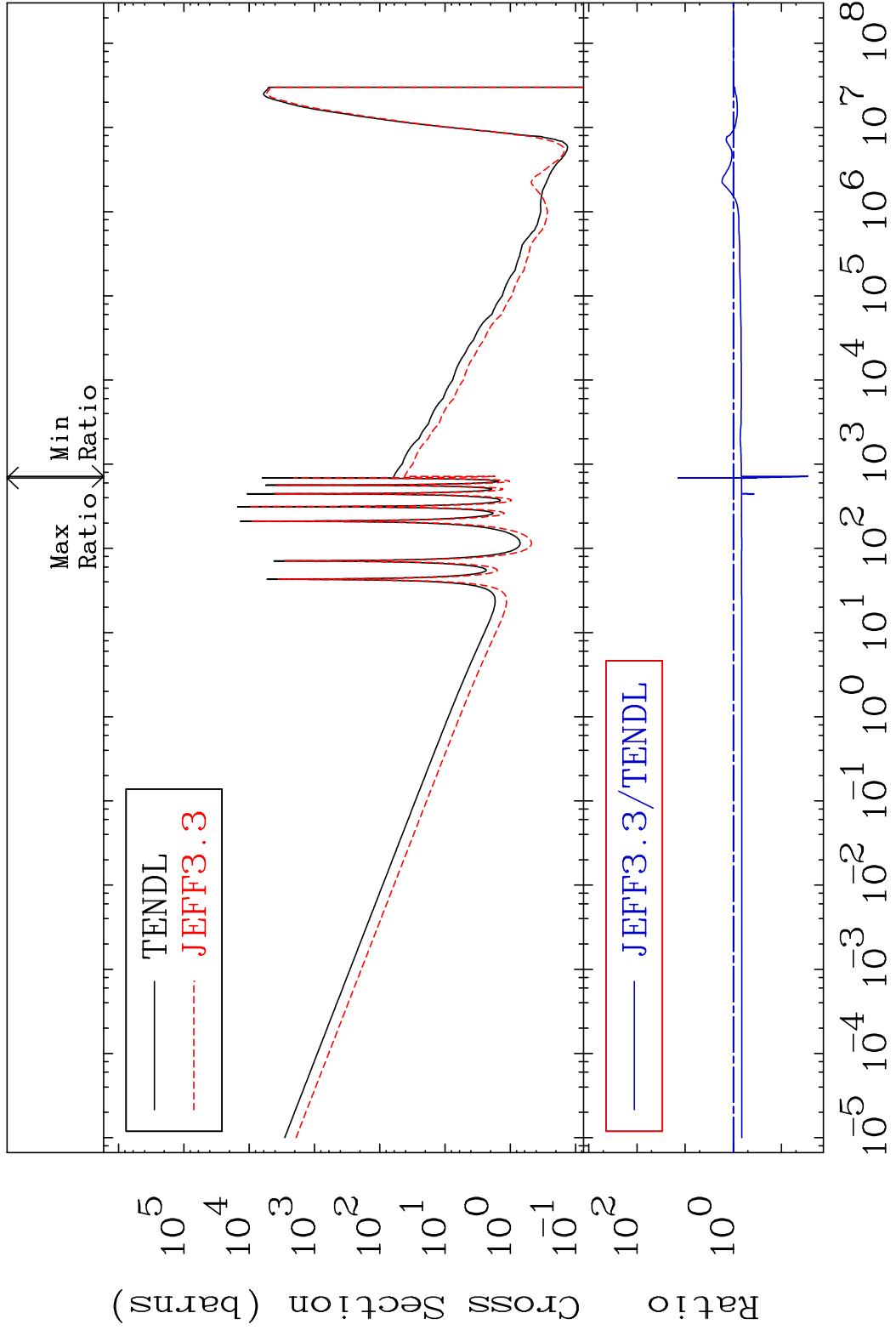
57 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa inelastic (mt51-91) 80-Hg-201
 Cross Section -4.475 To 11.92 %



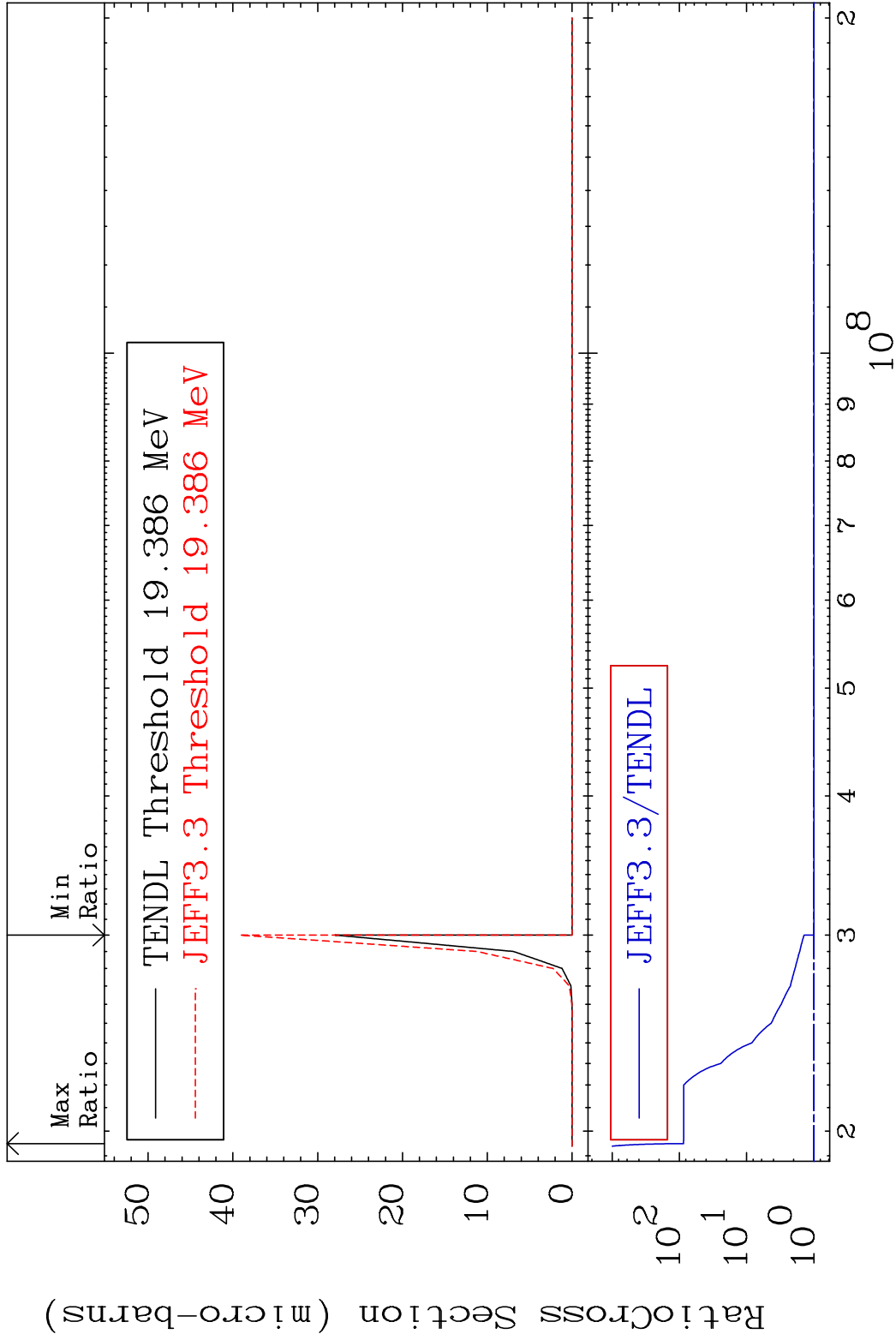
58 Incident Energy (eV) 80-Hg-201

MAT 8040 Dpa disappearance (mt102 -120) 80-Hg-201
 Cross Section -97.14 To 1289. %

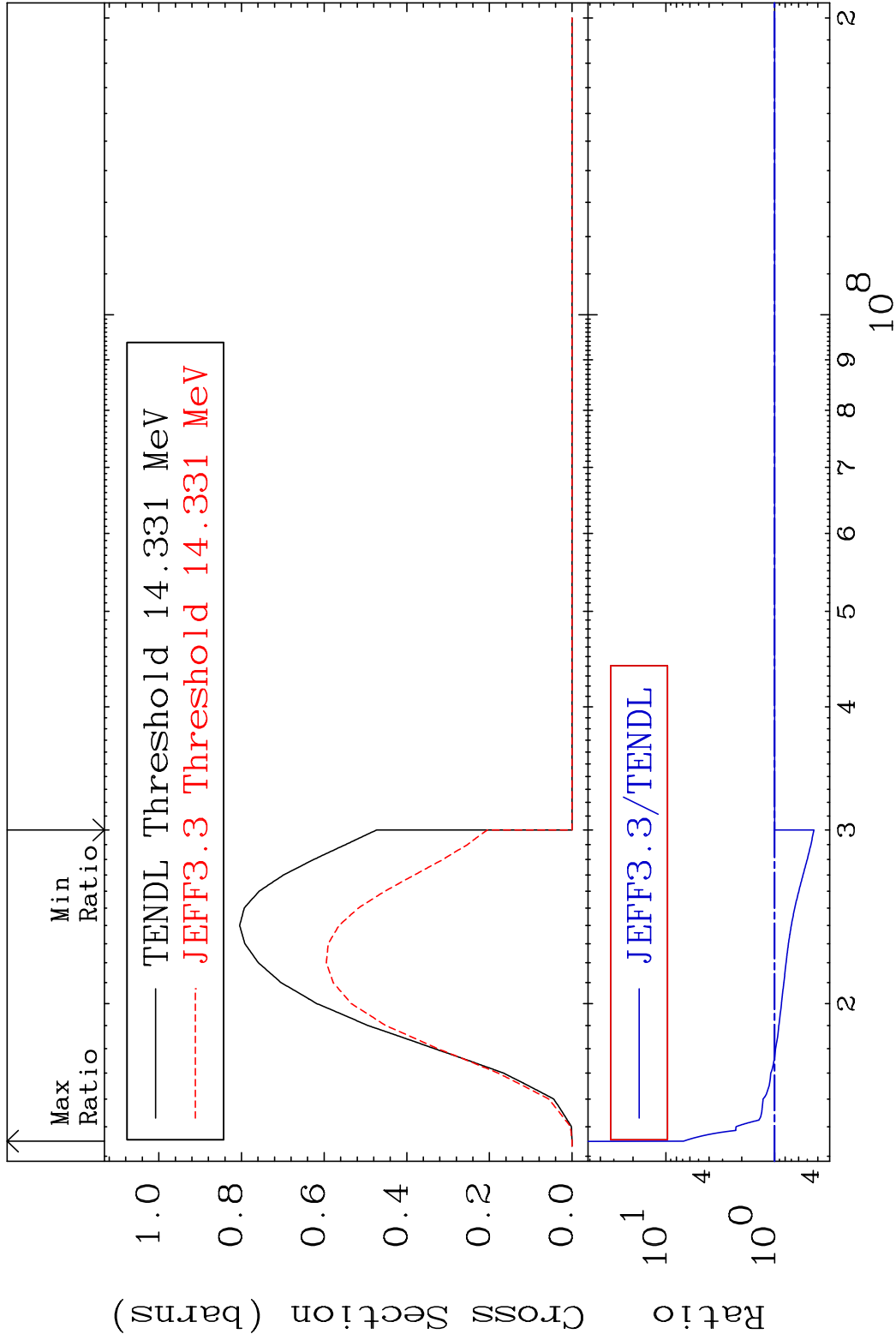


59 Incident Energy (eV) 80-Hg-201

MAT 8040 (n,2n) d:79-Au-198g 80-Hg-201
 Radionuclide Production Cross Section 8593. %

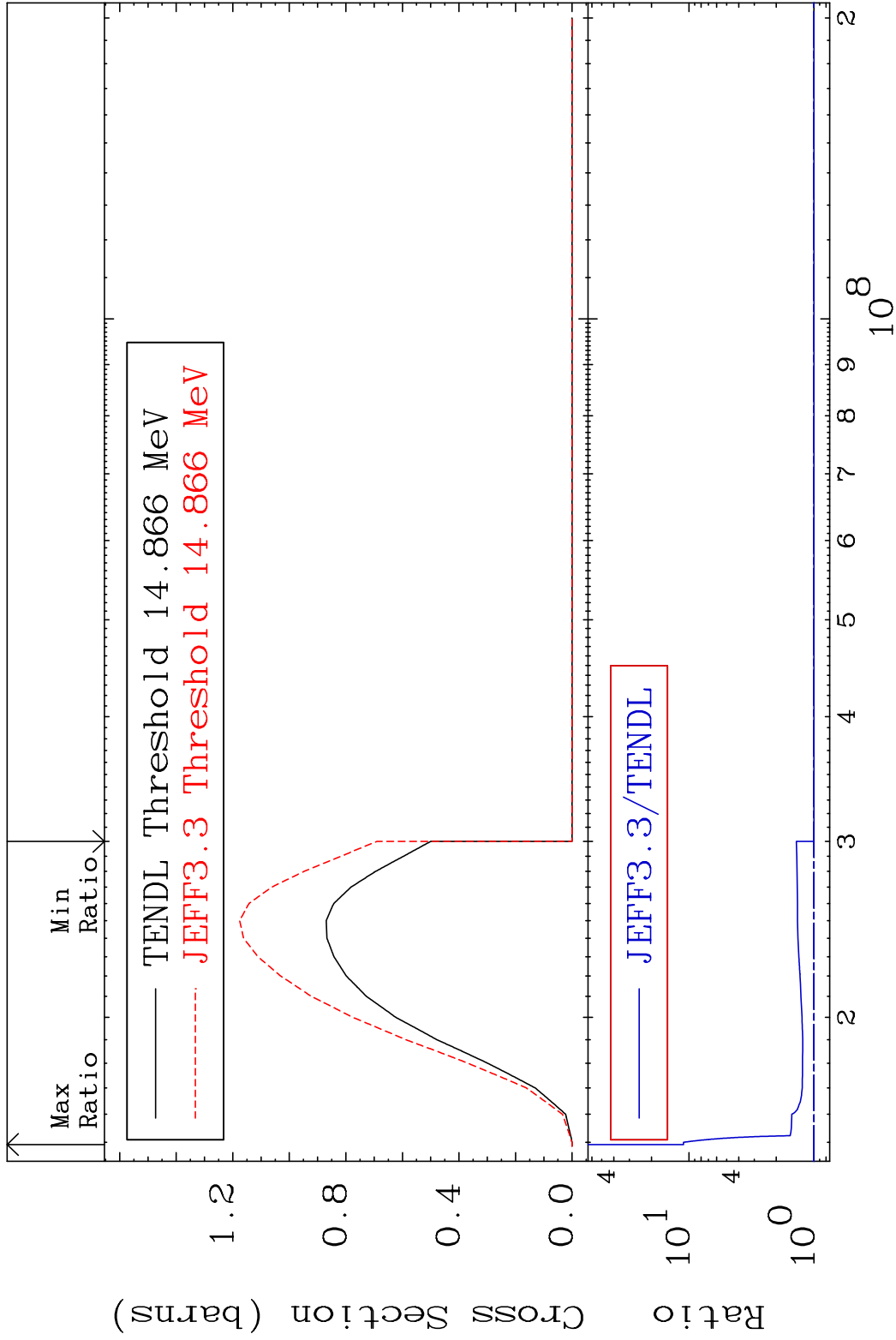


60 Incident Energy (eV) 80-Hg-201

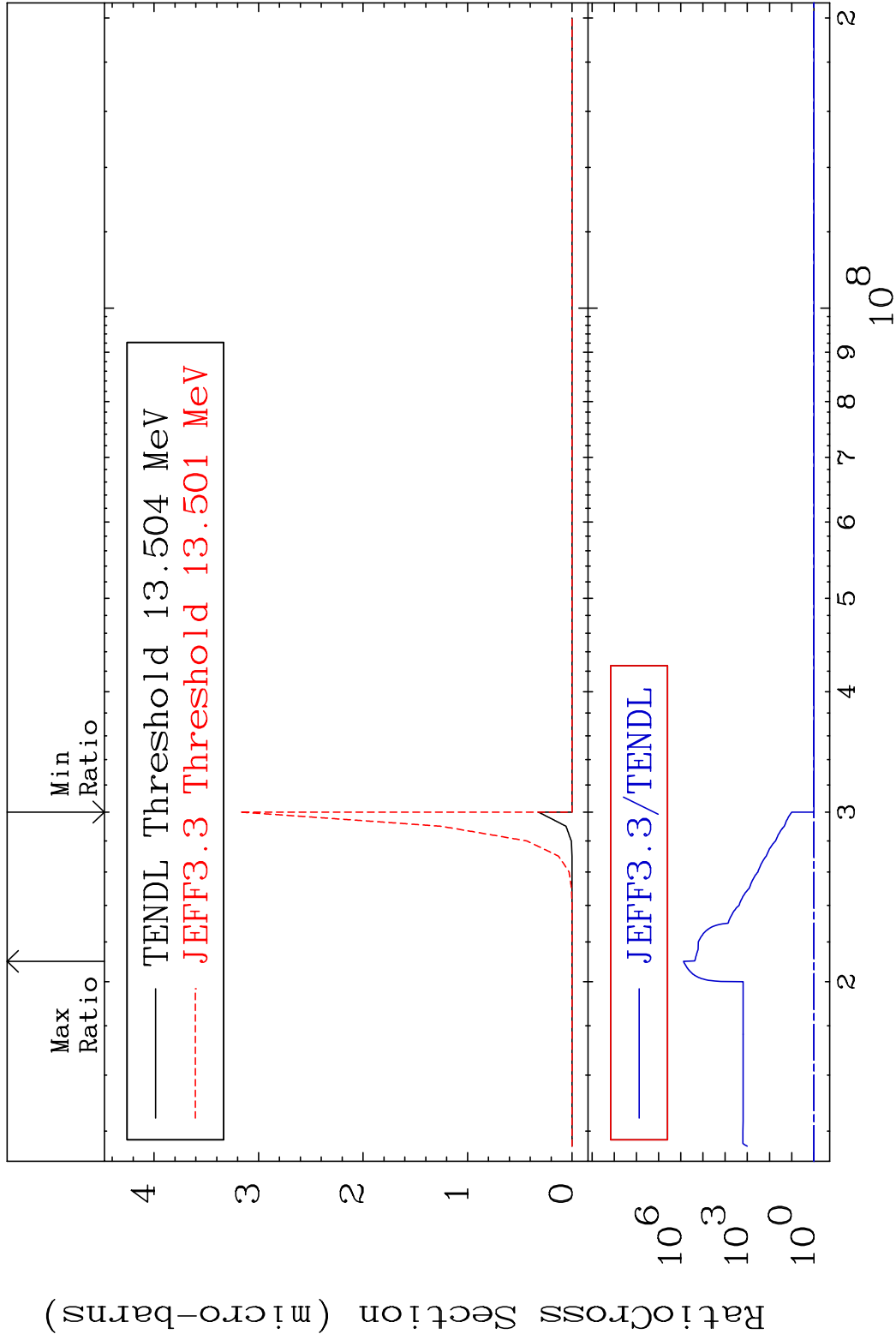


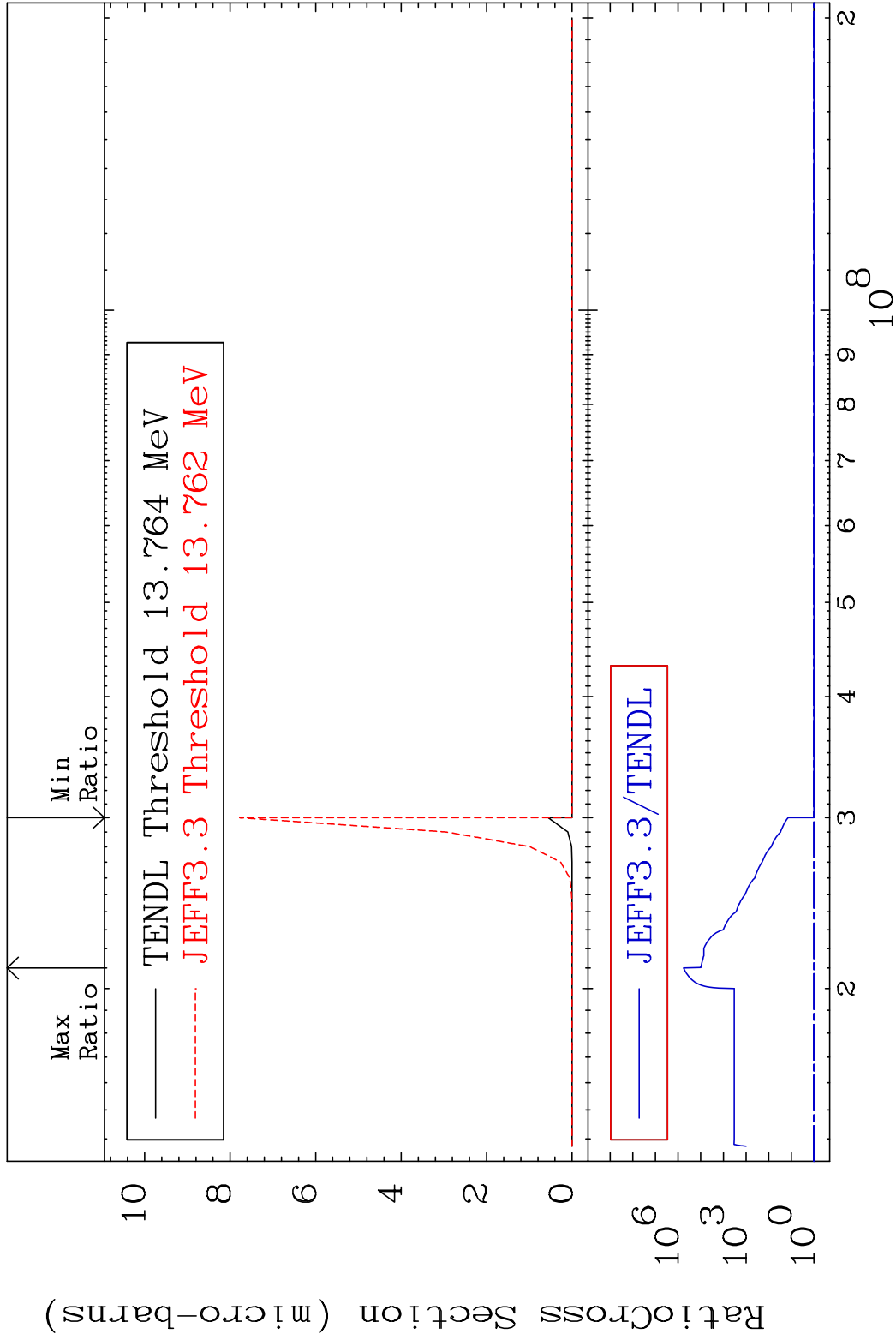
MAT 8040 (n,3n):80-Hg-199m7 80-Hg-201

Radionuclide Production Cross Section 1008. %

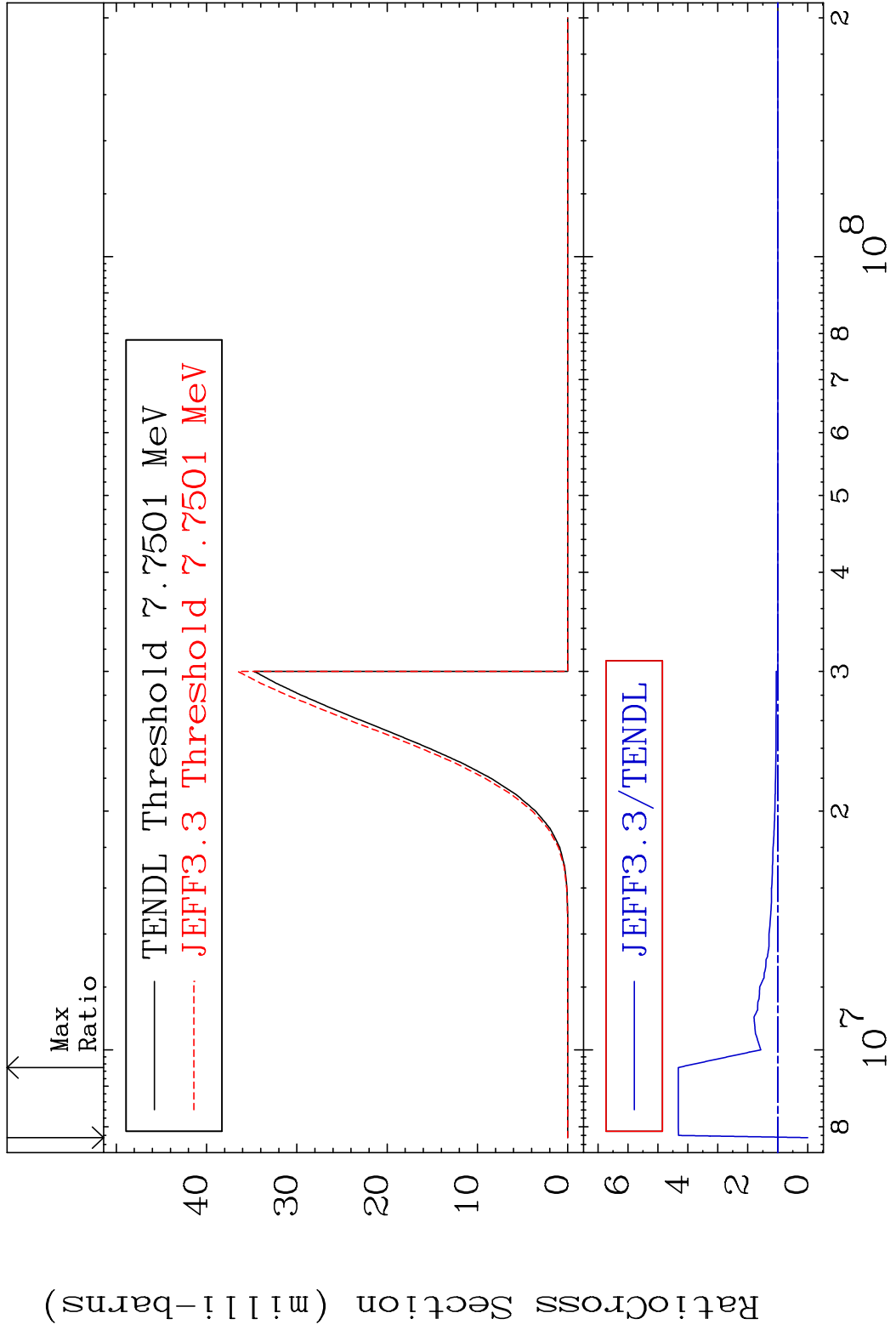


MAT 8040 (n,3n) α :78-Pt-195g 80-Hg-201
 Radionuclide Production Cross Section 9999. %



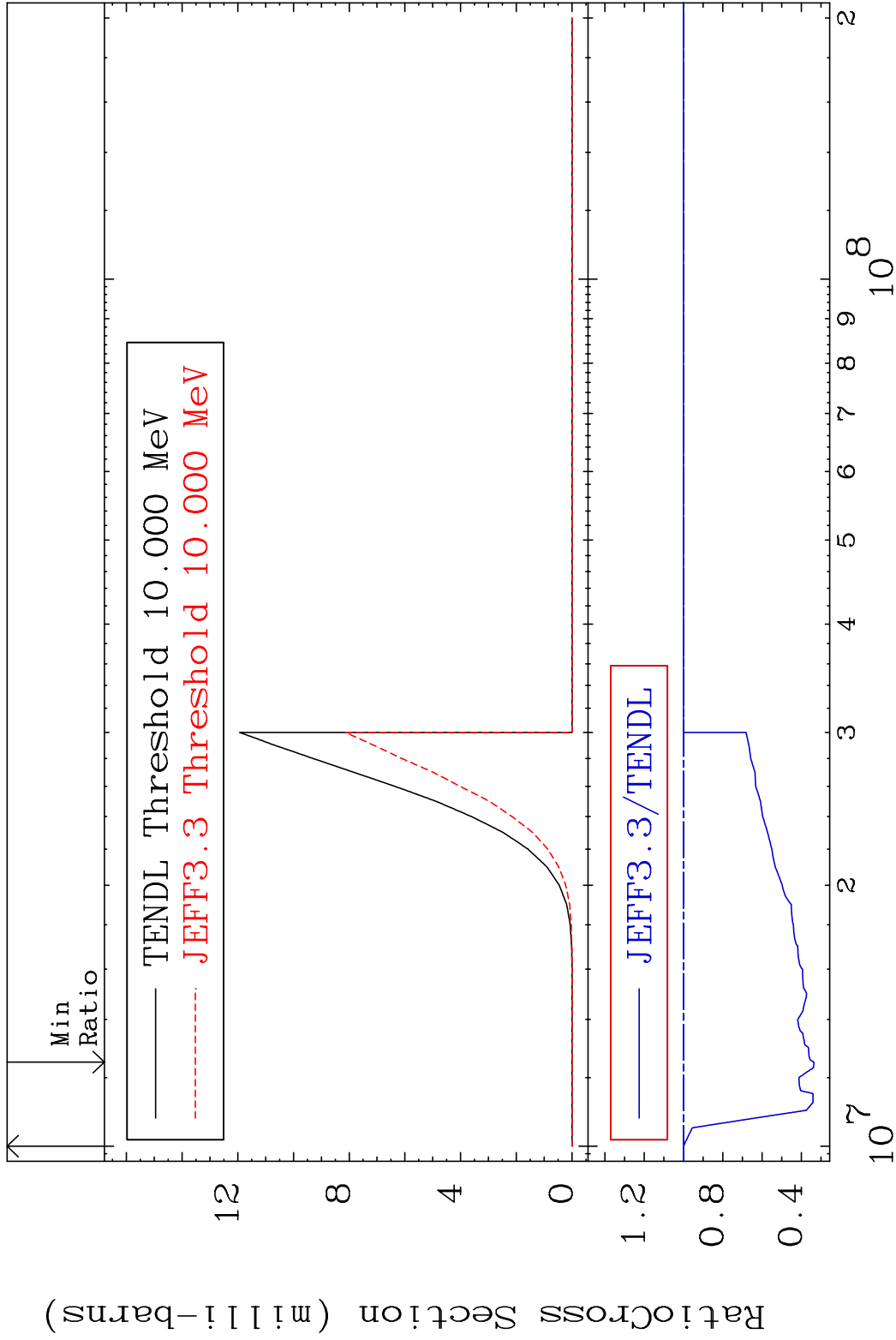


MAT 8040 (n, n') p:79-Au-200g 80-Hg-201
 Radionuclide Production Cross Section 180000 dth 332.0 %



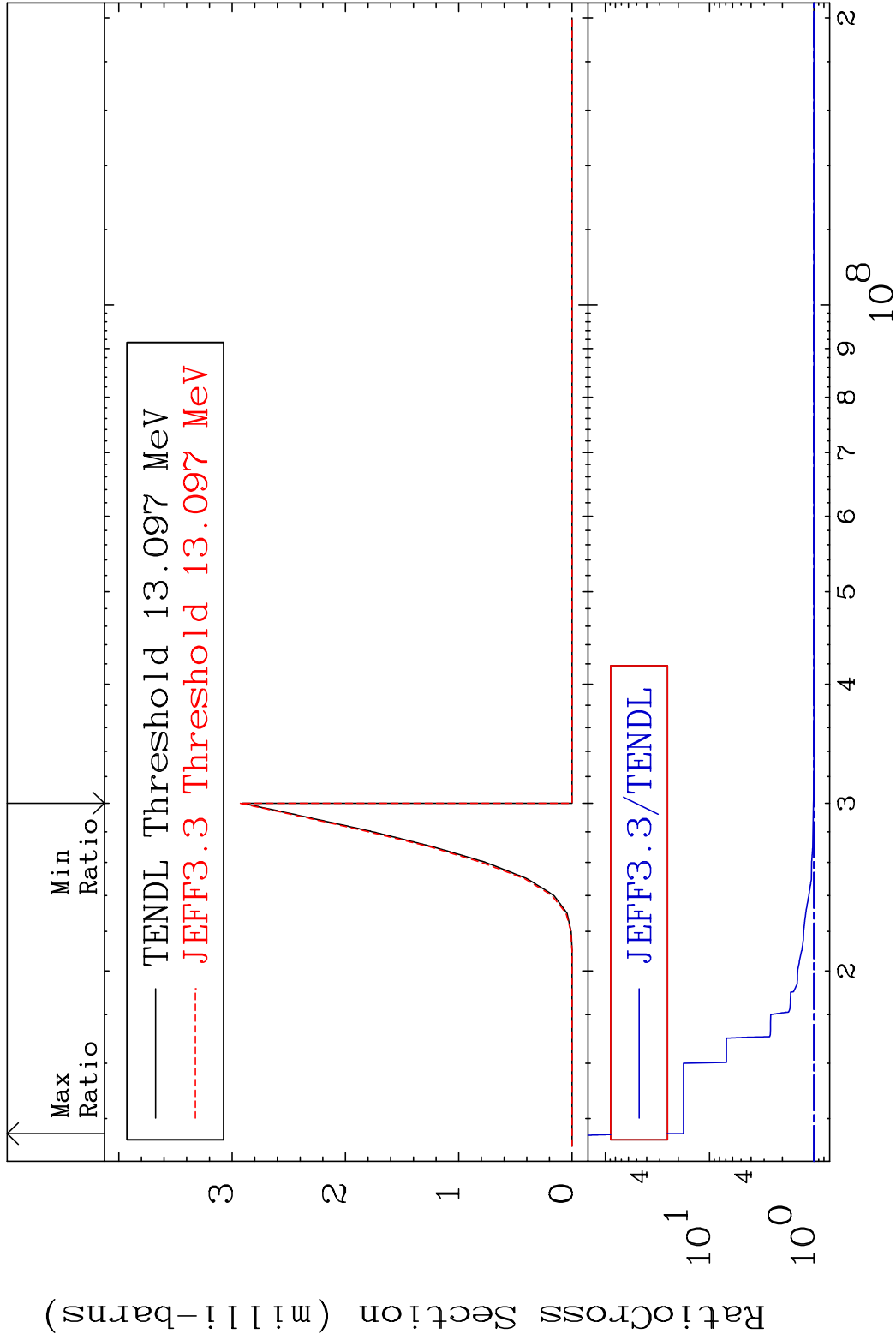
65 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, n') p:79-Au-200m11 80-Hg-201
 Radionuclide Production Cross Section 0.000 %

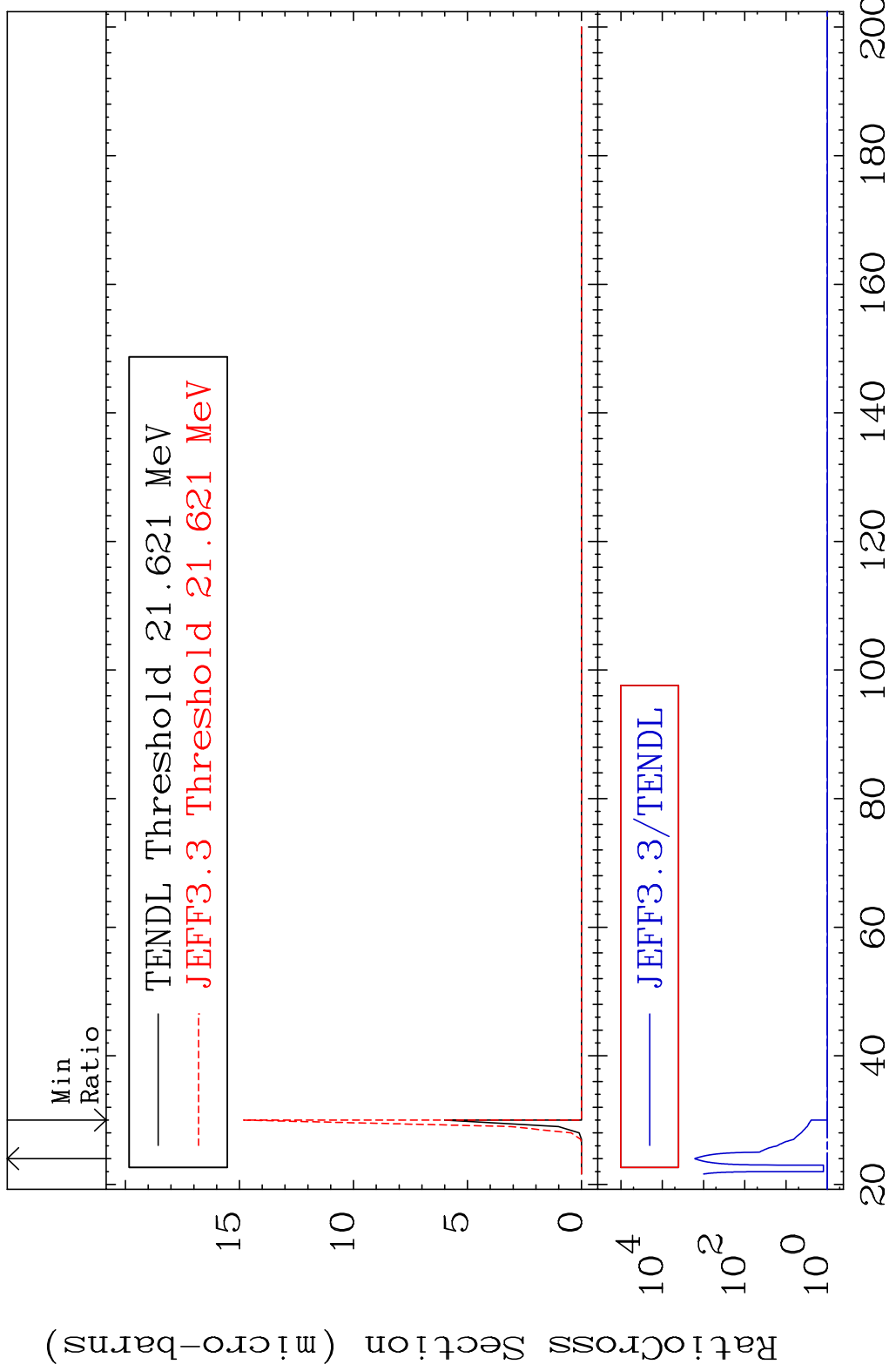


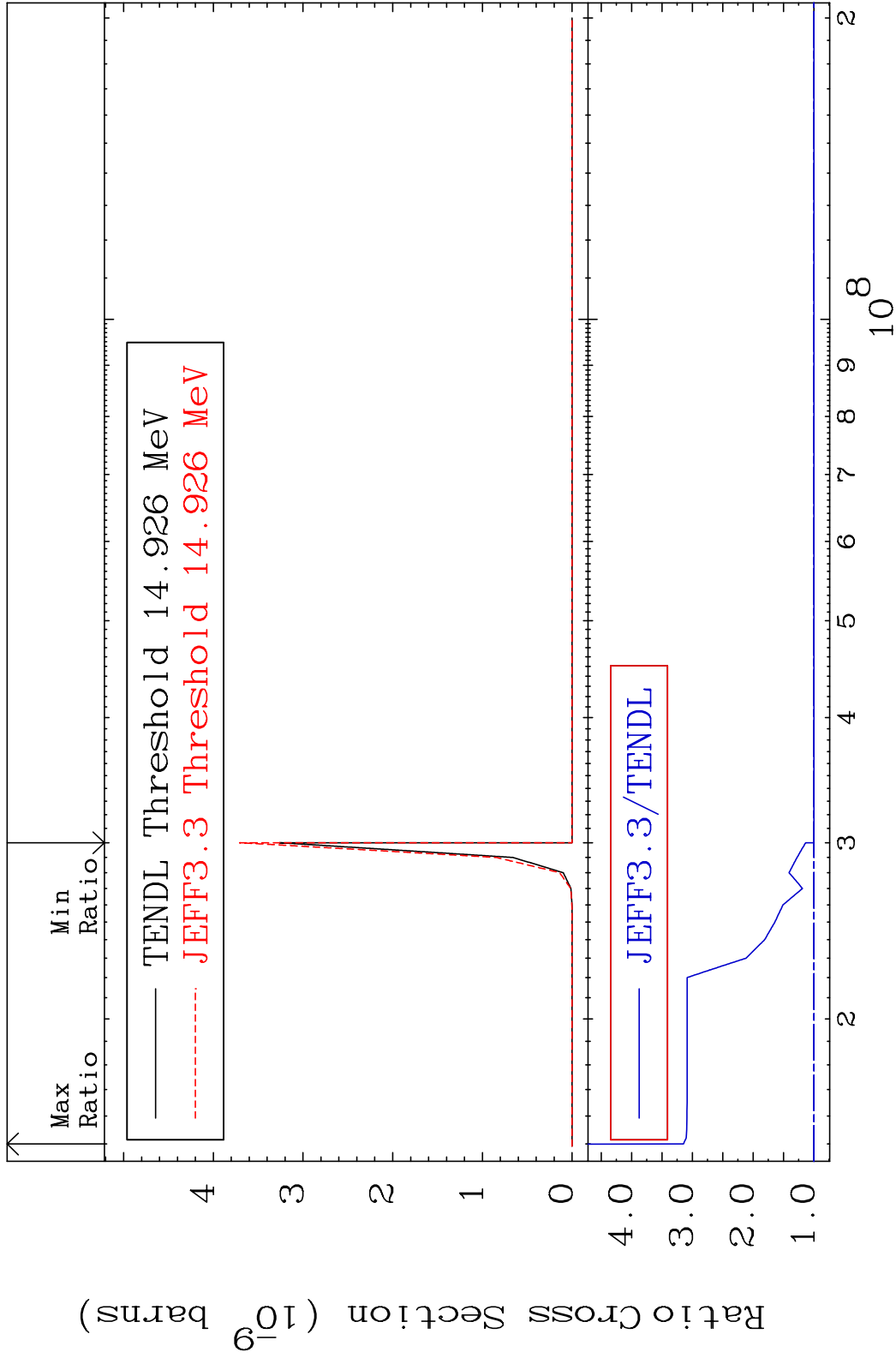
66 Incident Energy (eV) 80-Hg-201

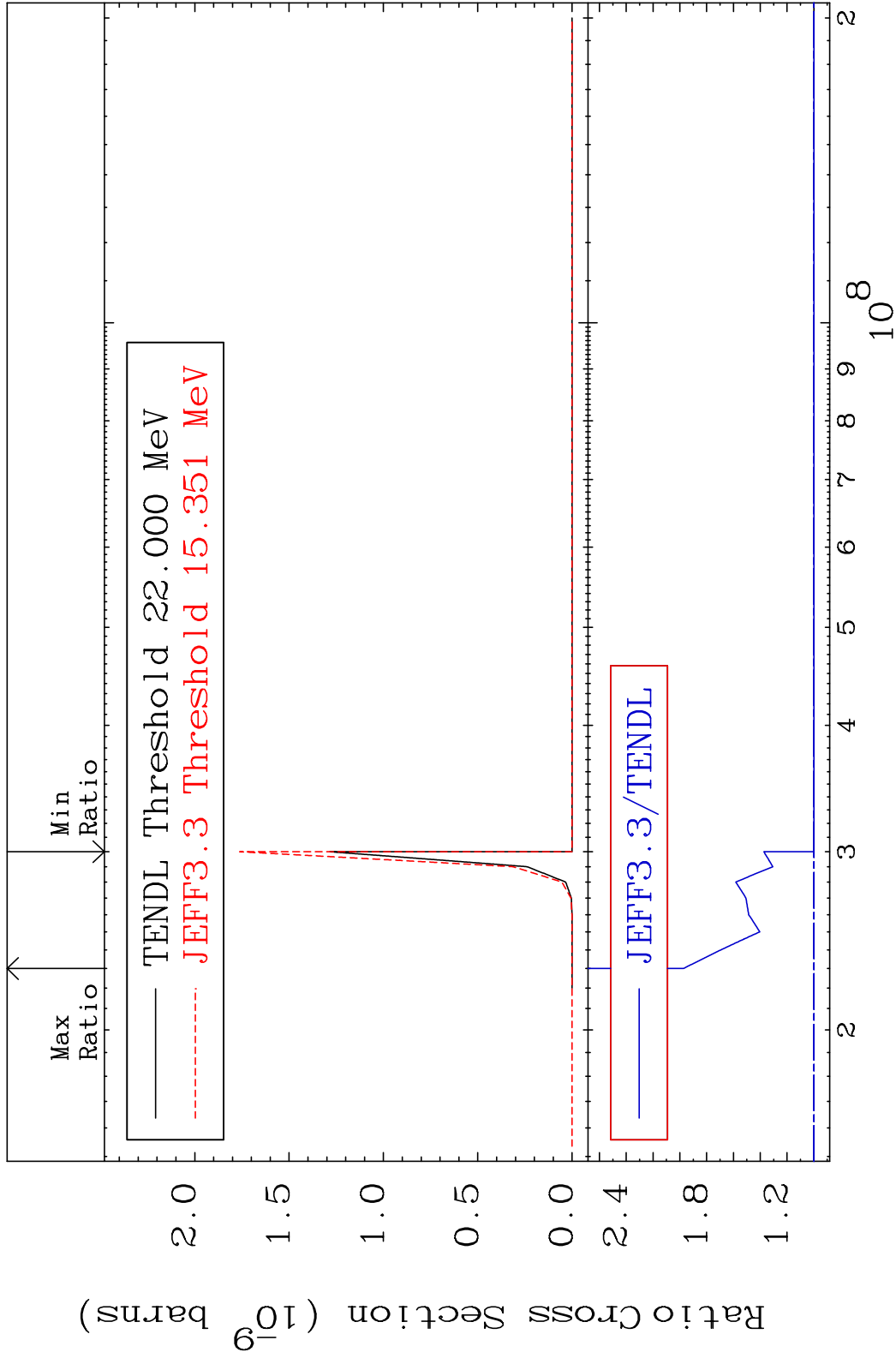
MAT 8040 (n, n') t:79-Au-198g 80-Hg-201
 Radionuclide Production Cross Section 1680. %



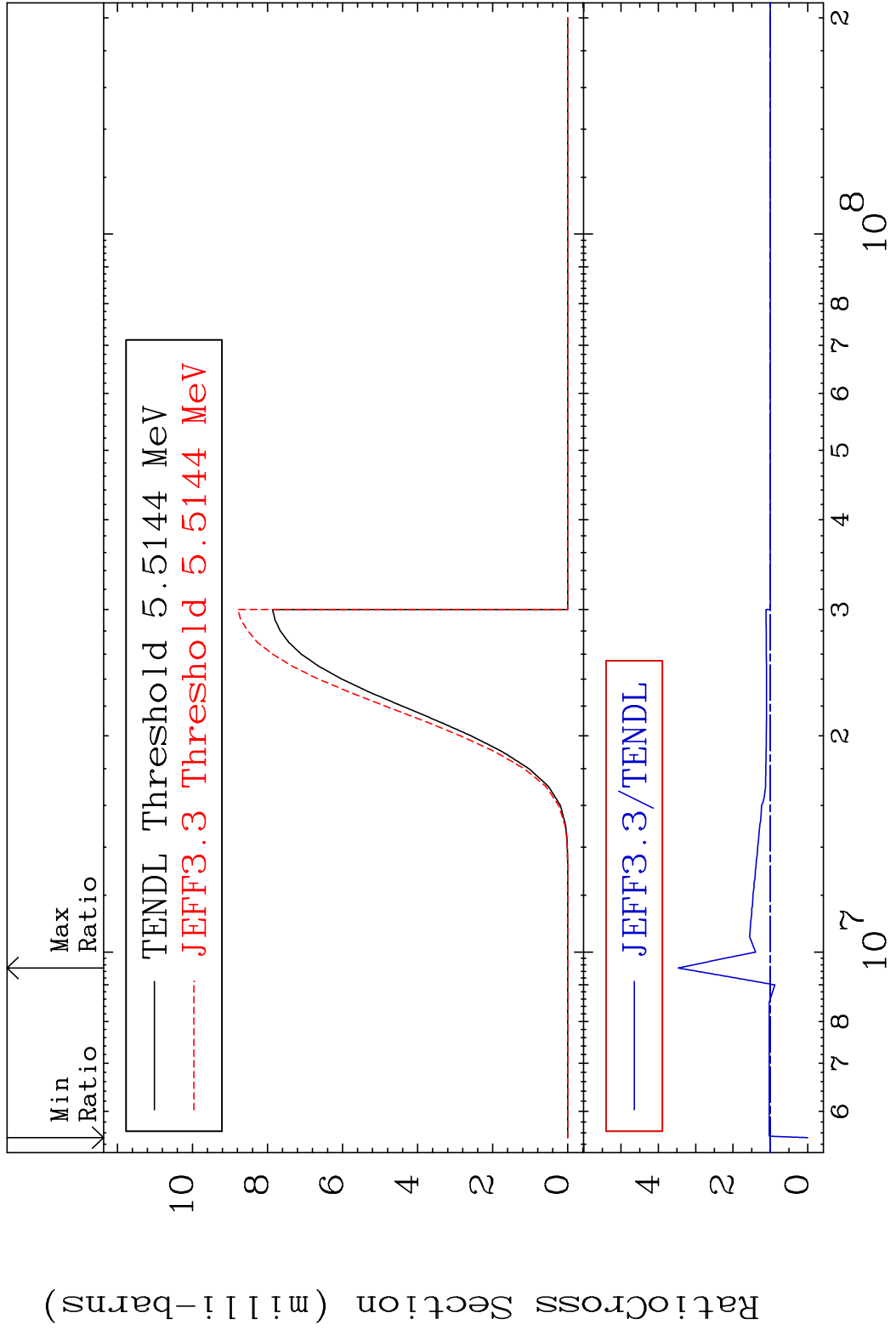
MAT 8040 (n,3n) p:79-Au-198g 80-Hg-201
 Radionuclide Production Cross Section 9999. %





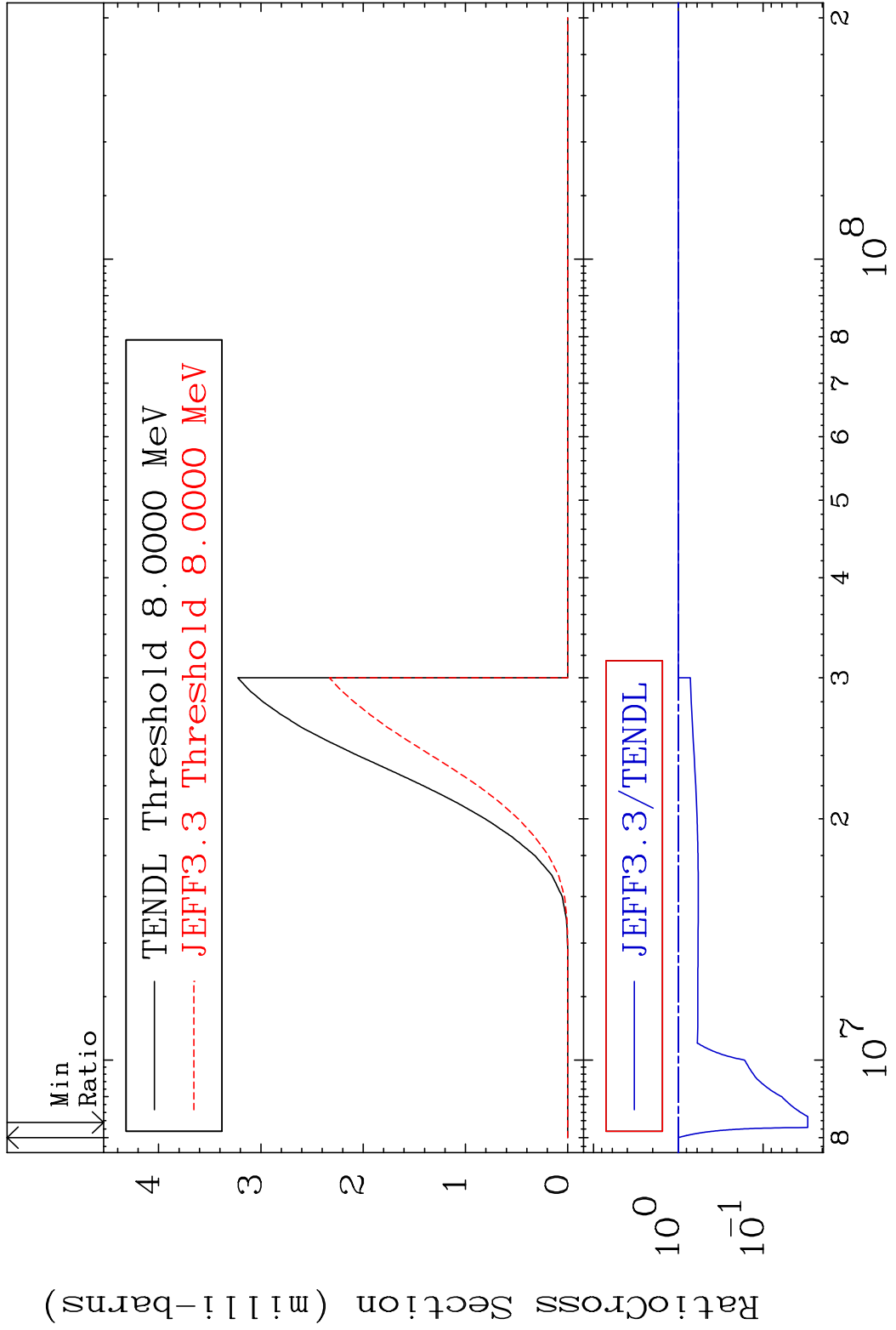


MAT 8040 (n, d): 79-Au-200g 80-Hg-201
 Radionuclide Production Cross Section 180000 dpo 246.7 %



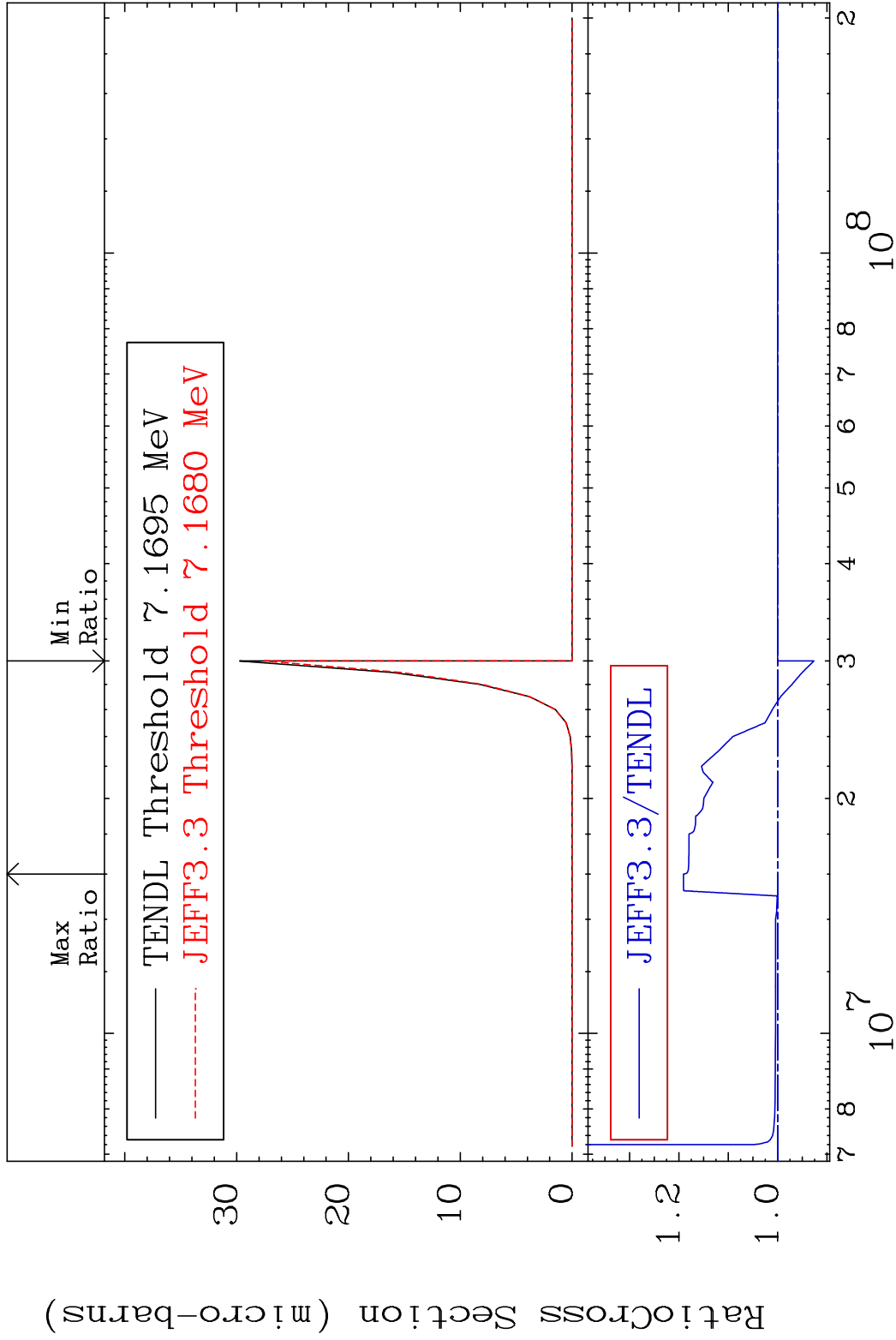
71 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, d):79-Au-200m11 80-Hg-201
 Radionuclide Production Cross Section 95021 d0 0.000 %



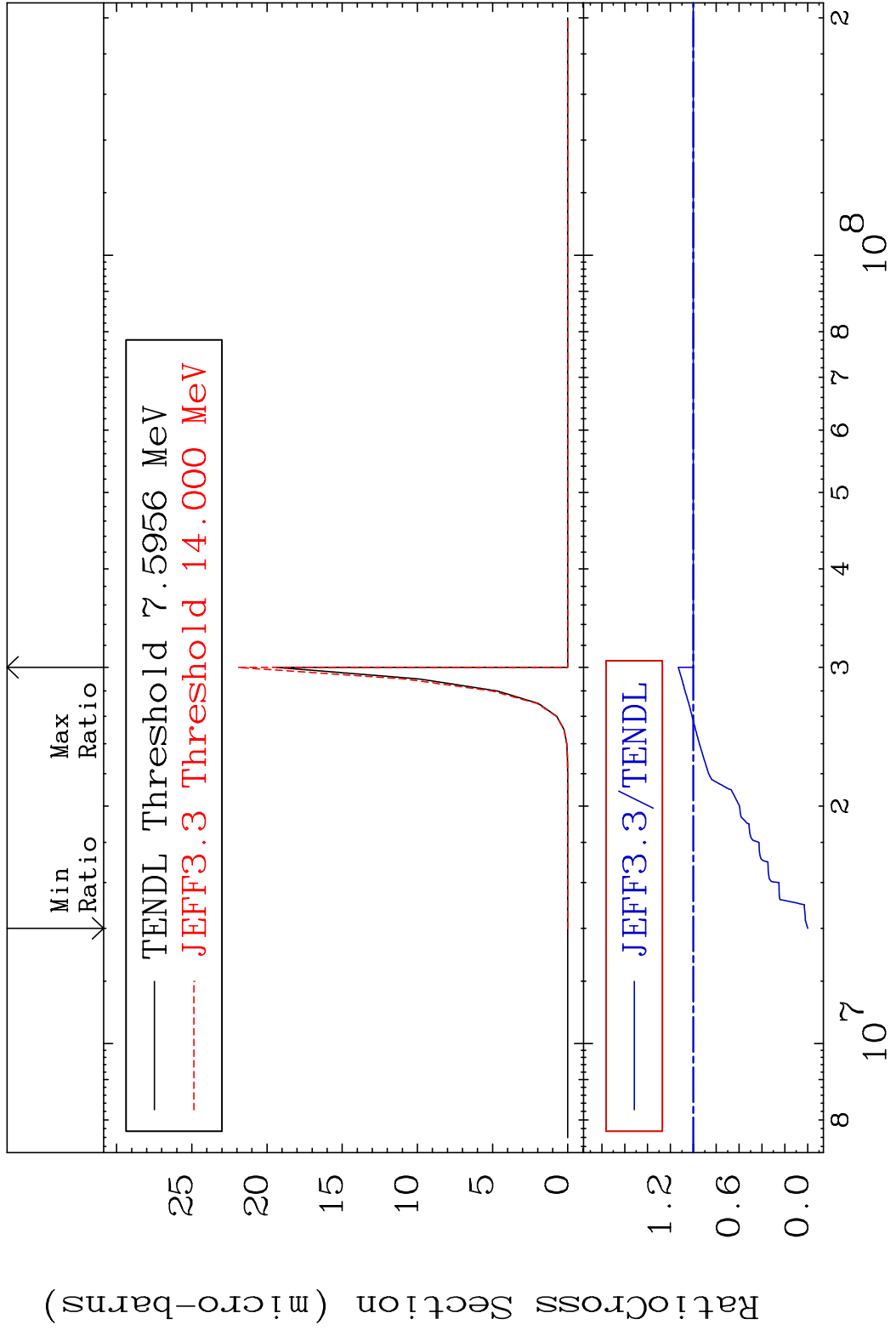
72 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, He-3) : 78-Pt-199g 80-Hg-201
 Radionuclide Production Cross Section 19.09 %



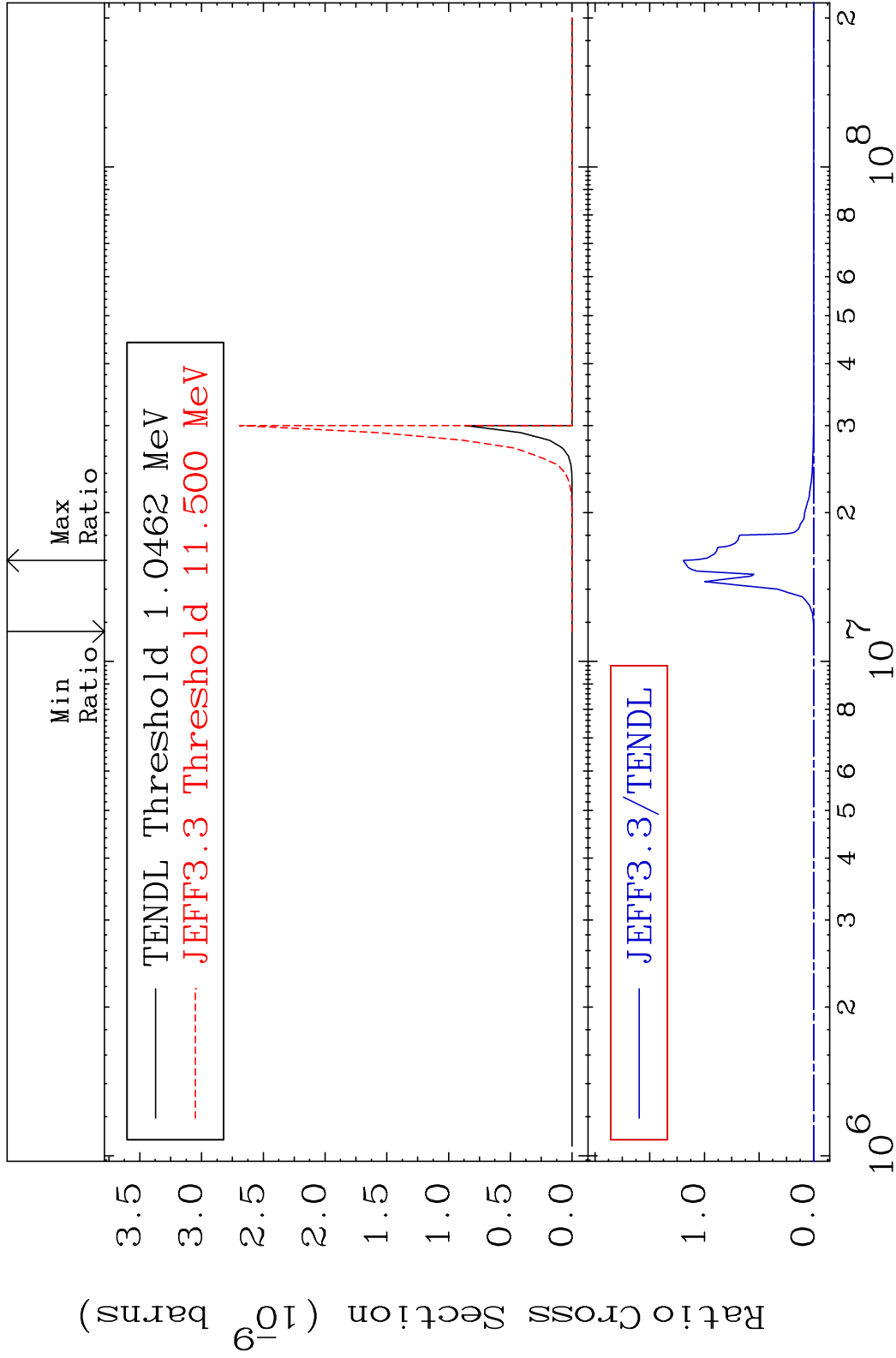
73 80-Hg-201

MAT 8040 (n, He-3) : 78-Pt-199m8 80-Hg-201
 Radionuclide Production Cross Section 13.16 %



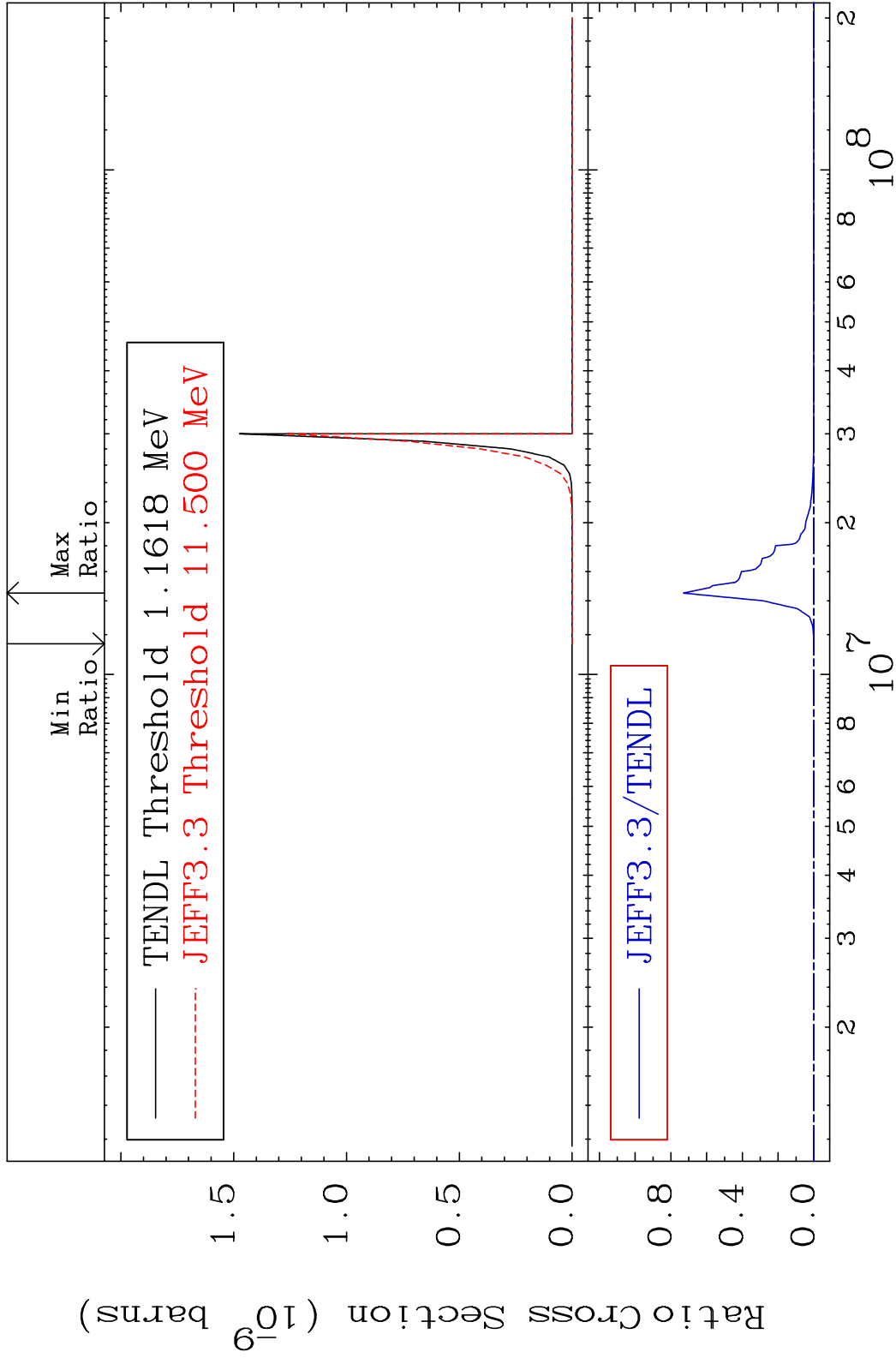
74 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, p) α : 77-Ir-197g 80-Hg-201
 Radionuclide Production Cross Section 180000 dth 9999. %



75 Incident Energy (eV) 80-Hg-201

MAT 8040 (n, p) α : 77-Ir-197m2 80-Hg-201
 Radionuclide Production Cross Section 180000 dth 9999. %



76 Incident Energy (eV) 80-Hg-201