

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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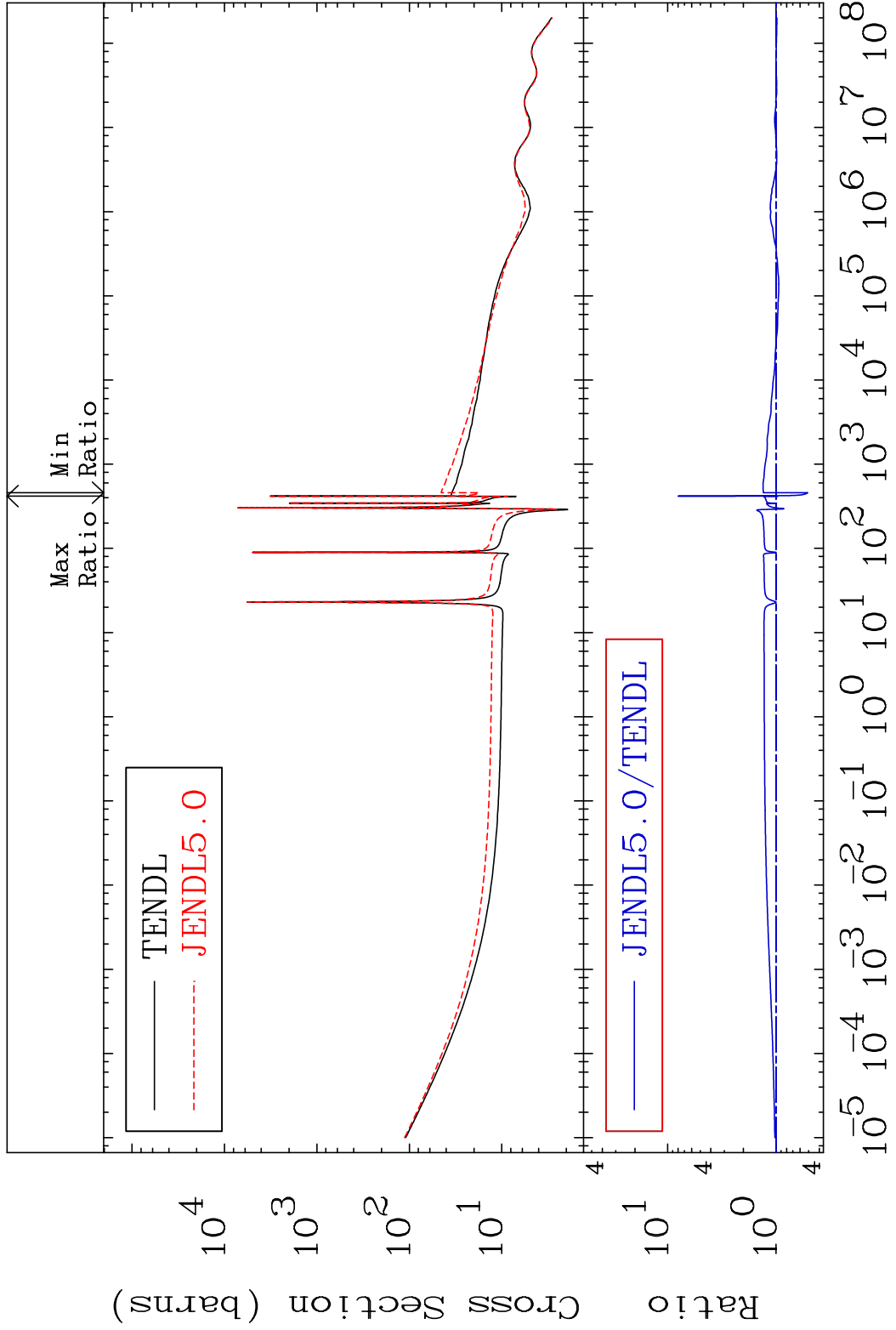
U.S.A.

Tele: 925-443-1911

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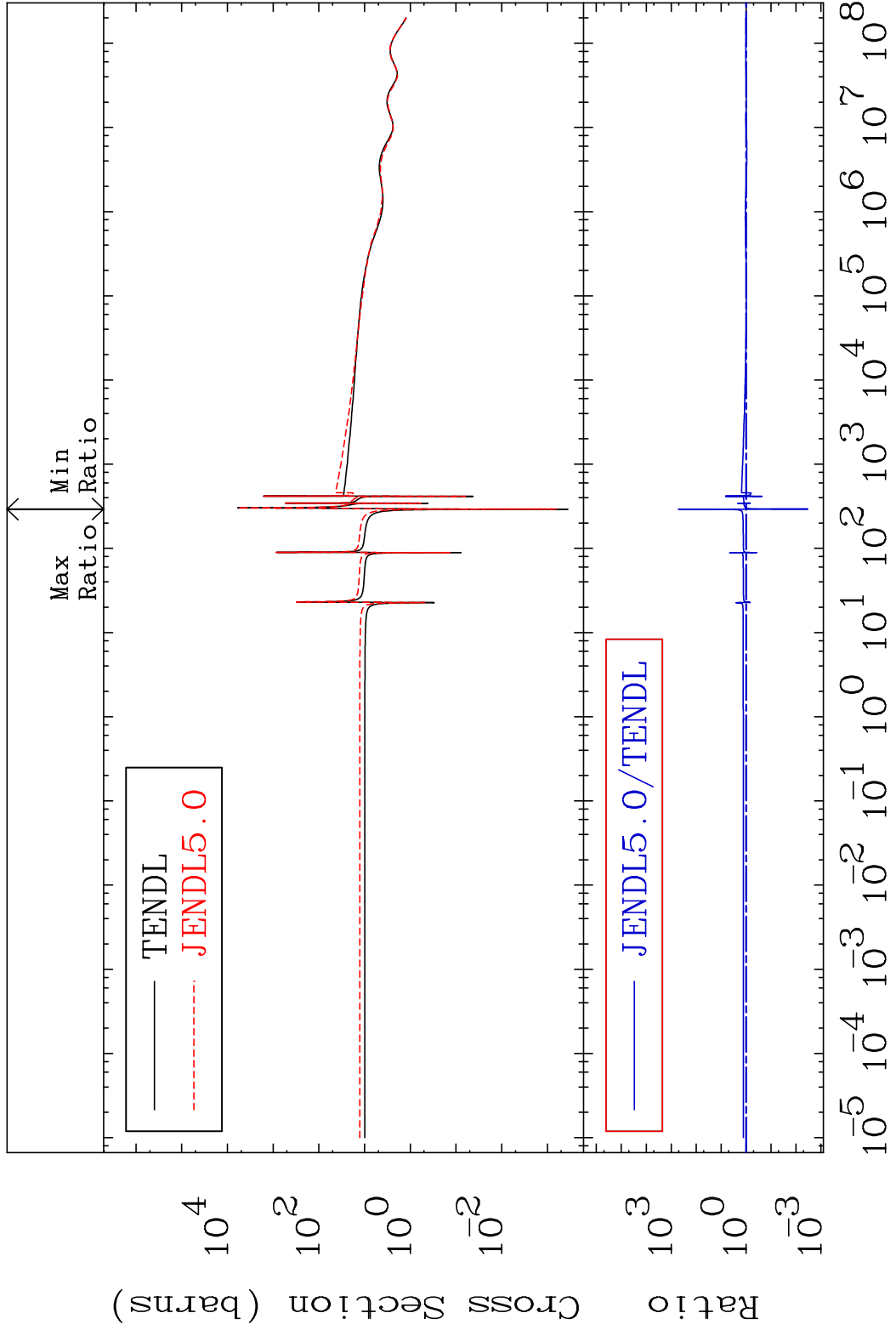
Press Mouse Button to Start

MAT 8031 Total 80-Hg-198
Cross Section -48.93 To 697.0 %

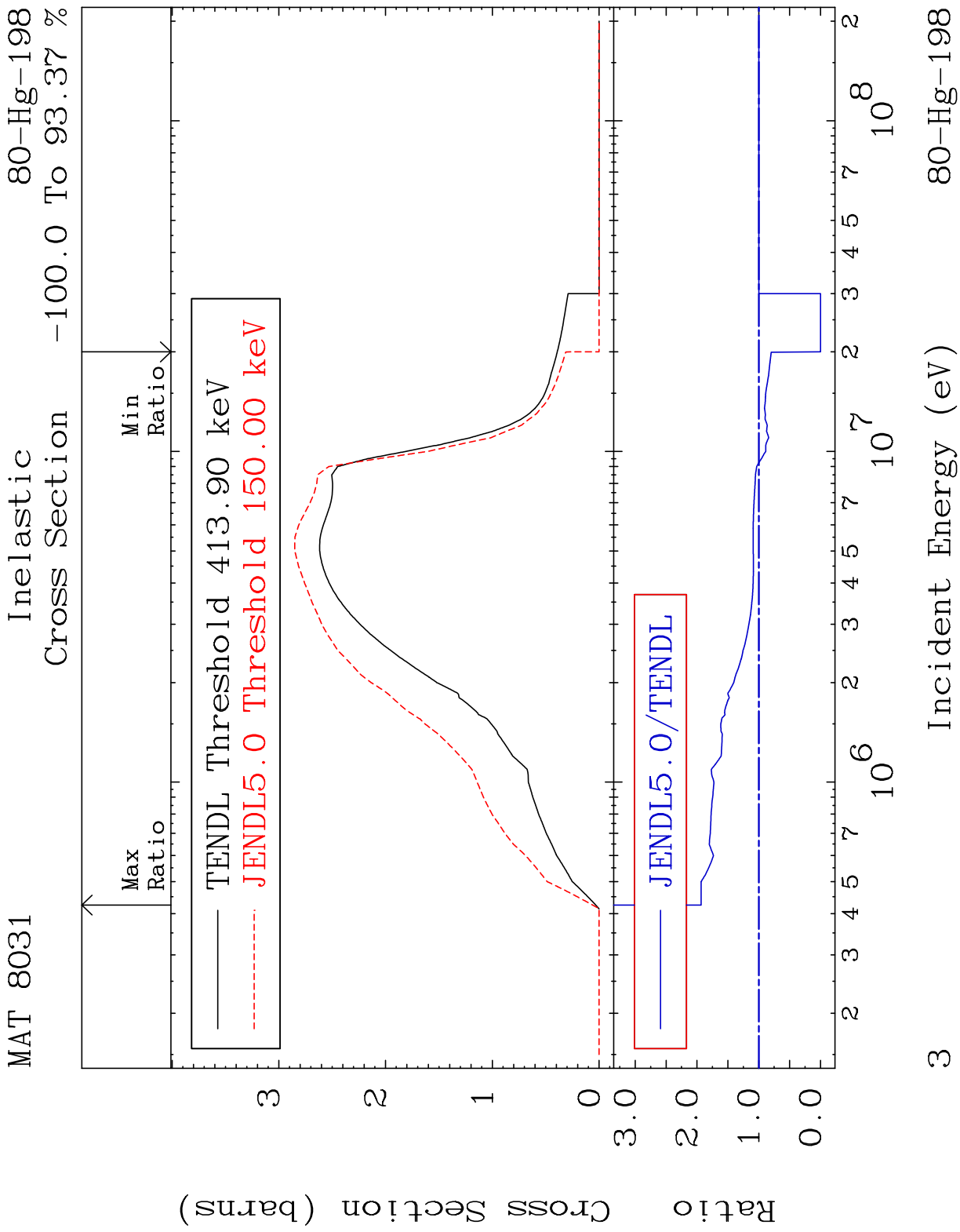


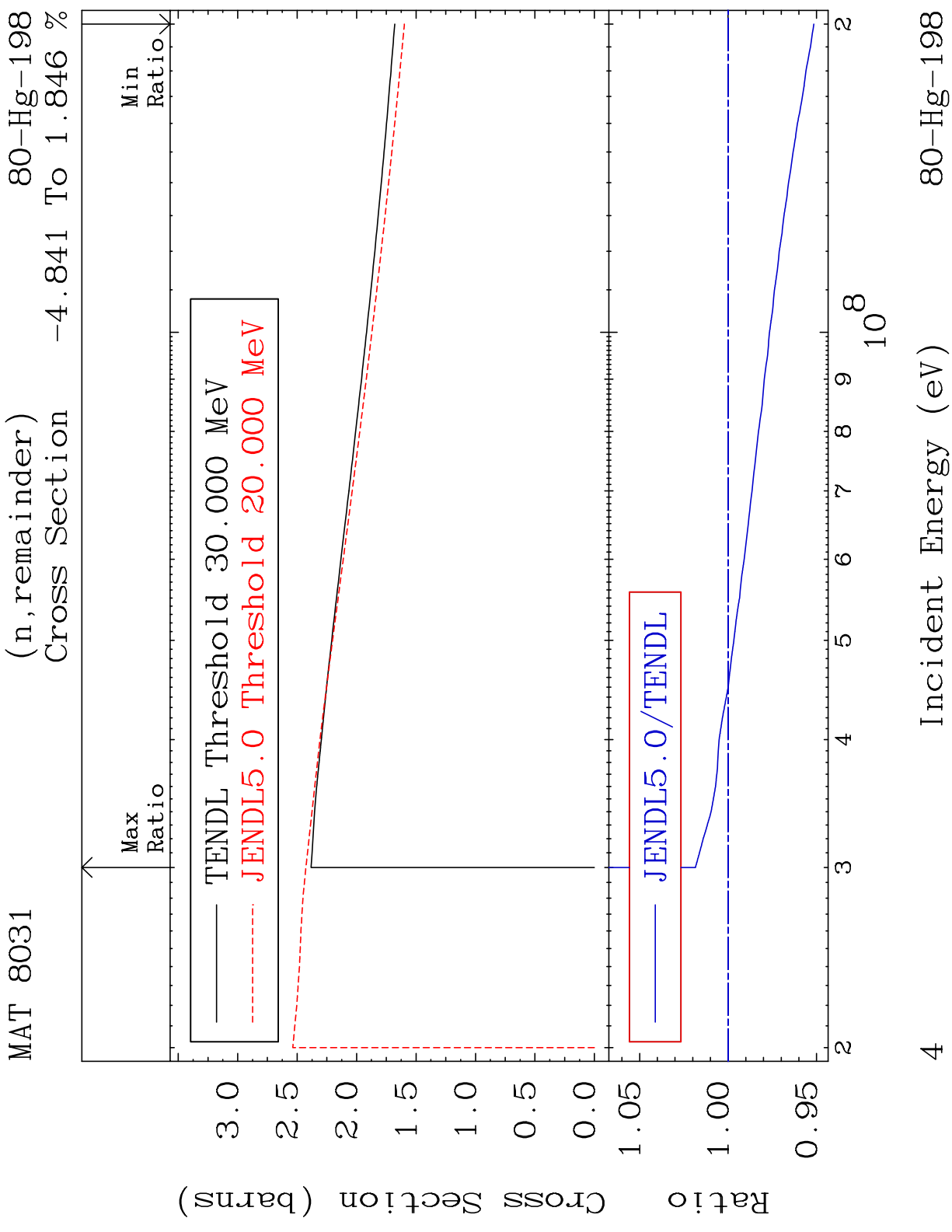
1 Incident Energy (eV) 80-Hg-198

MAT 8031 Elastic 80-Hg-198
 Cross Section -99.66 To 9999. %

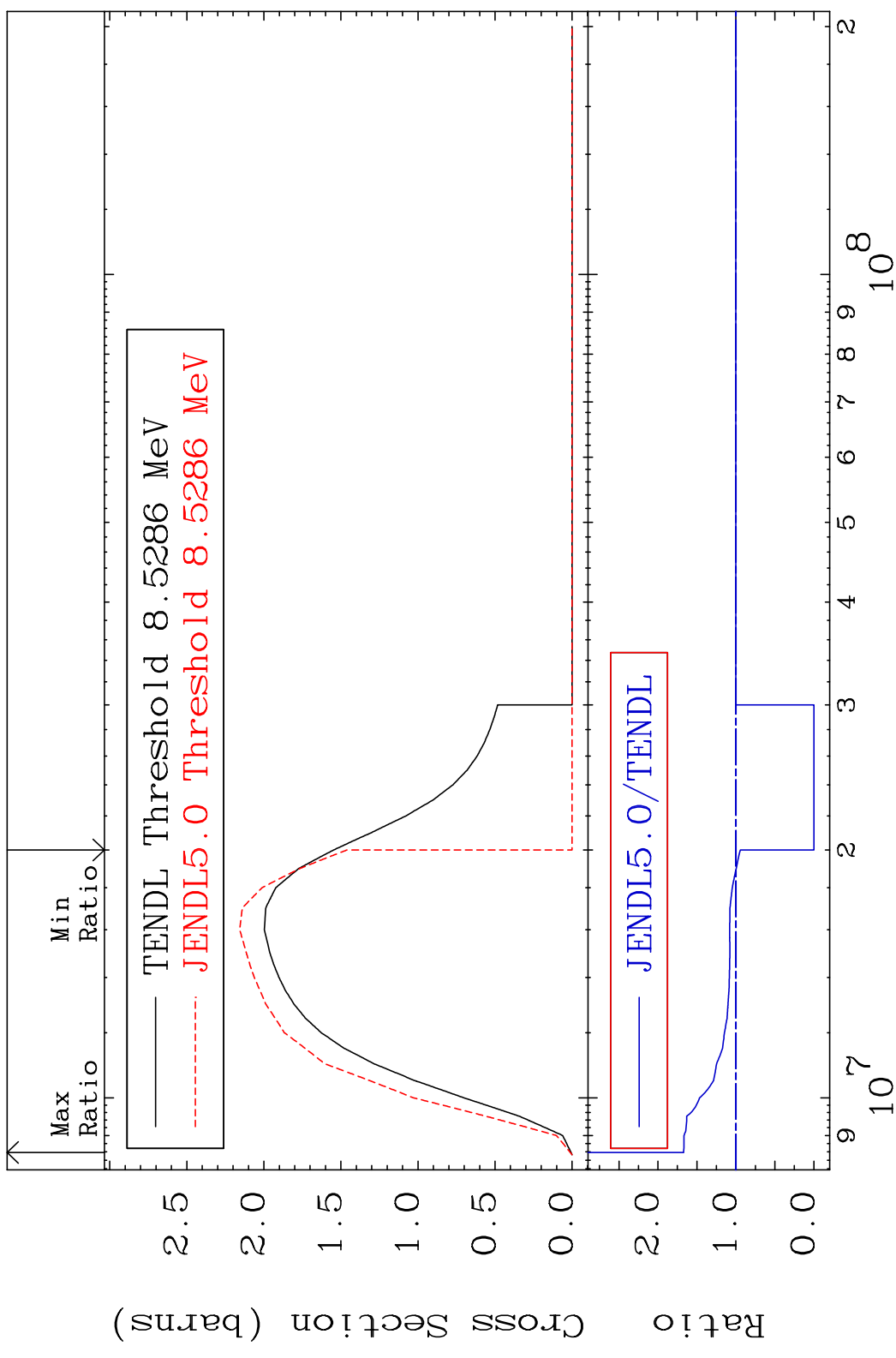


2 Incident Energy (eV) 80-Hg-198



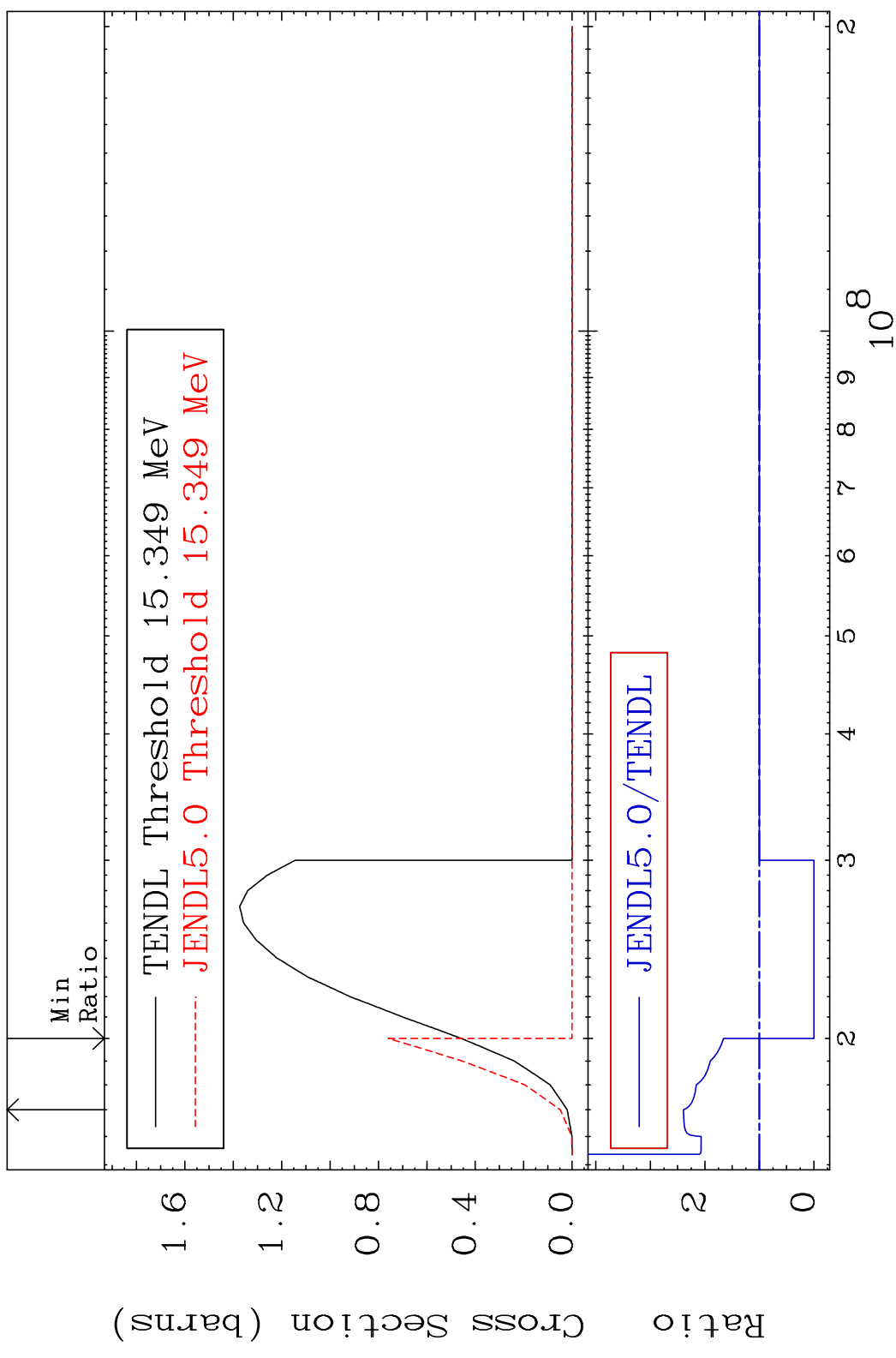


MAT 8031 (n,2n) 80-Hg-198
 Cross Section -100.0 To 67.28 %



5 Incident Energy (eV) 80-Hg-198

MAT 8031 (n,3n) 80-Hg-198
 Cross Section -100.0 To 139.3 %

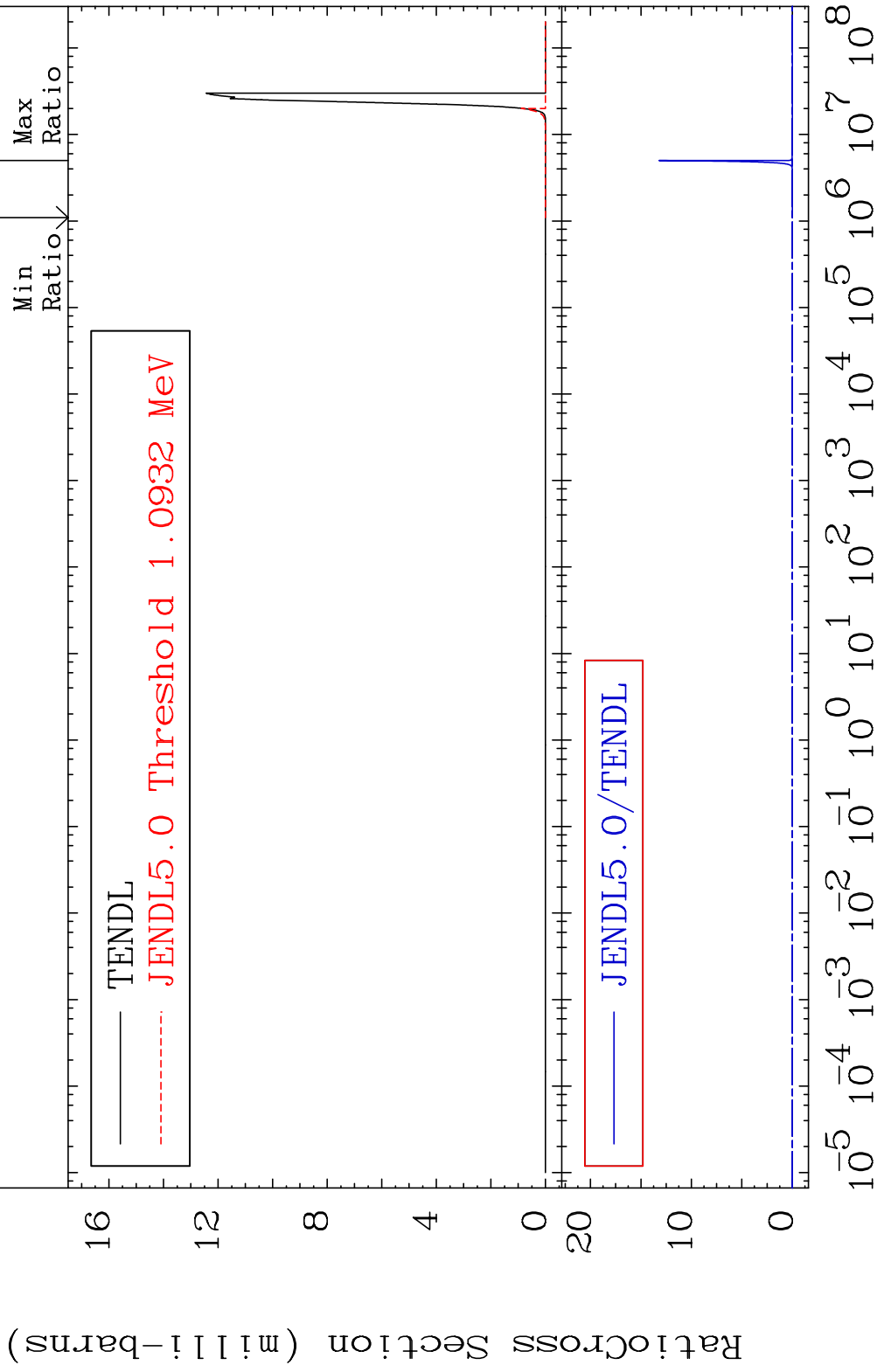


MAT 8031

(n, n') α

80-Hg-198

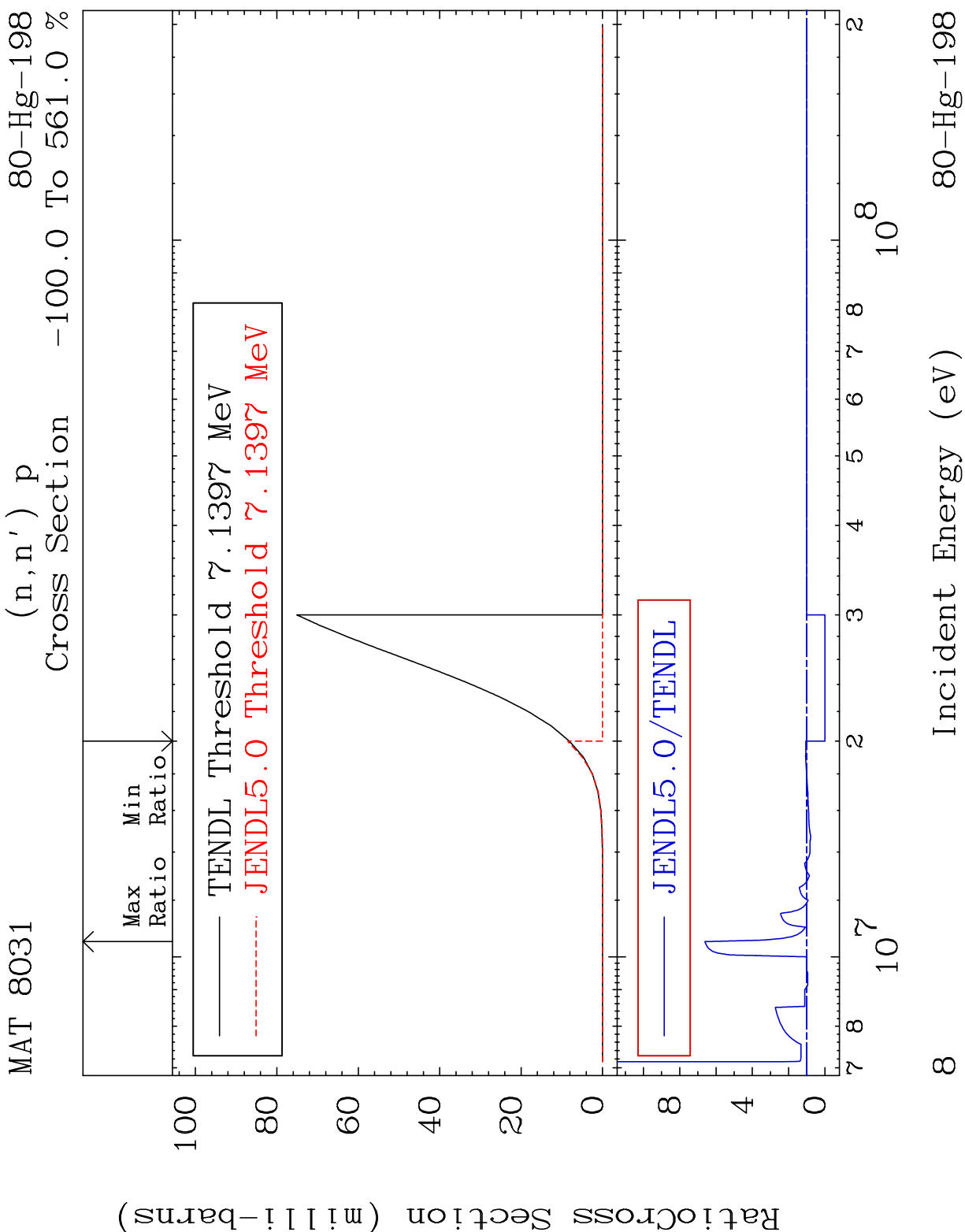
Cross Section -100.0 To 9999. %



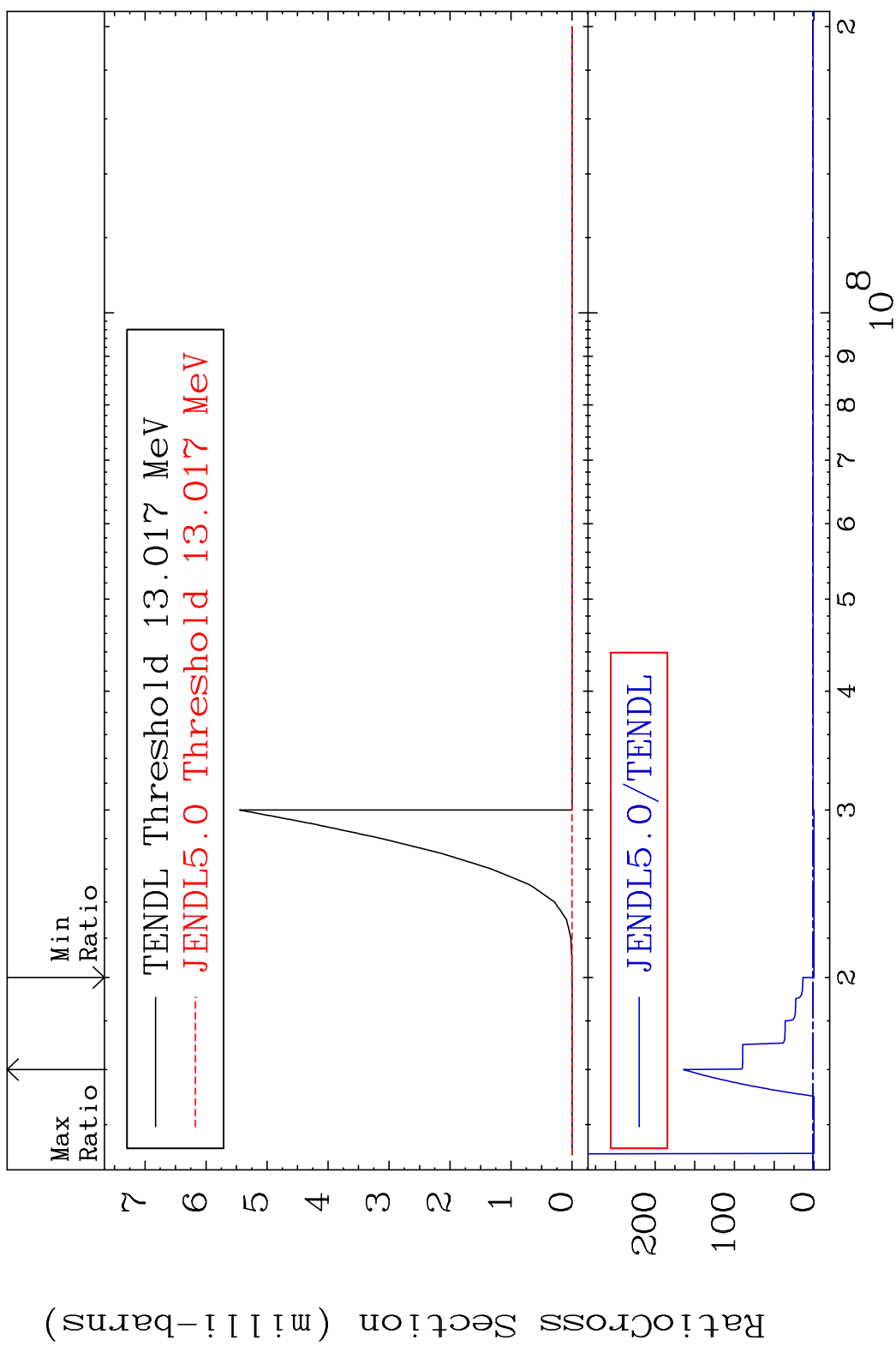
7

Incident Energy (eV)

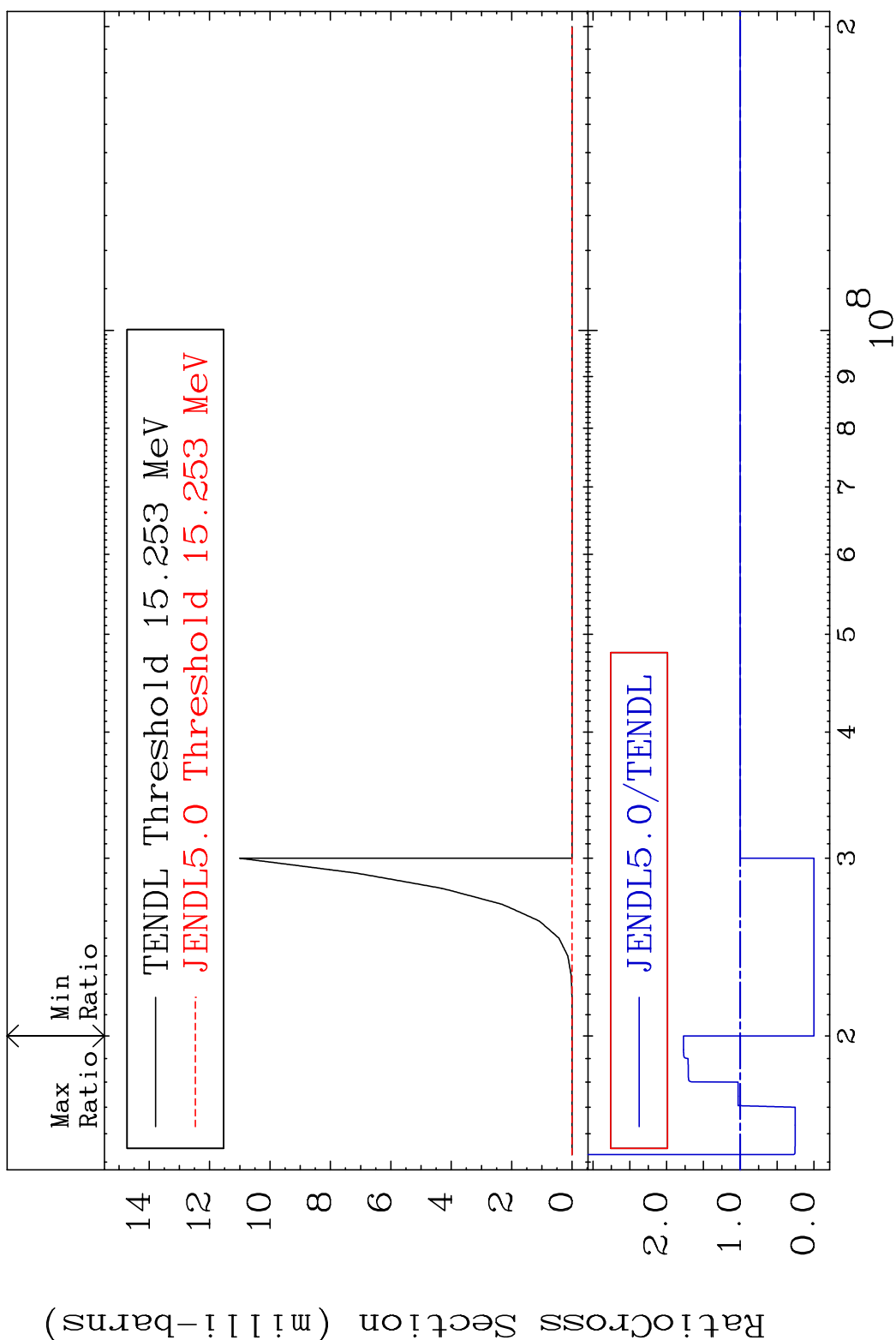
80-Hg-198



MAT 8031 (n, n') d 80-Hg-198
 Cross Section -100.0 To 9999. %

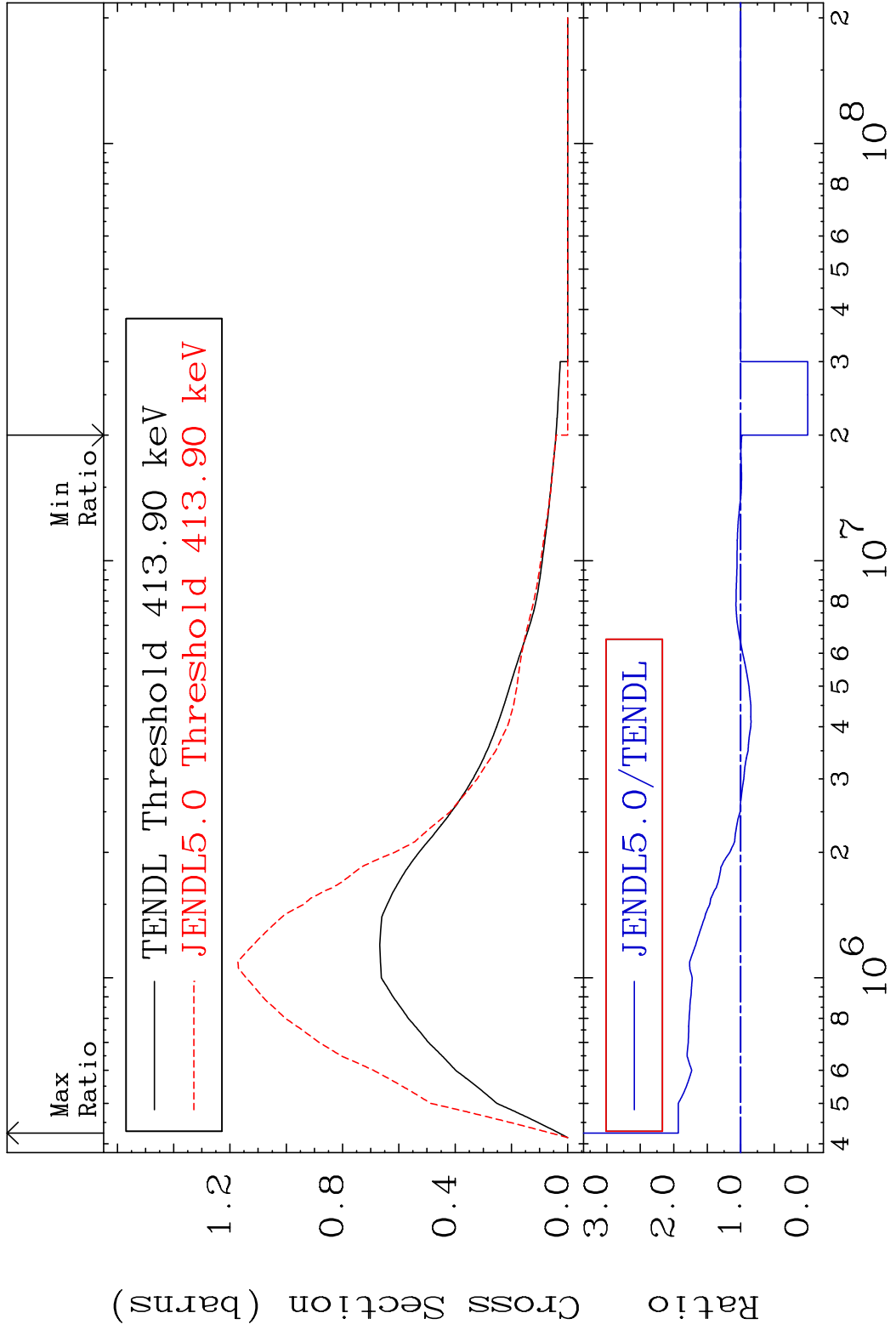


MAT 8031 (n,2n) p 80-Hg-198
 Cross Section -100.0 To 77.14 %



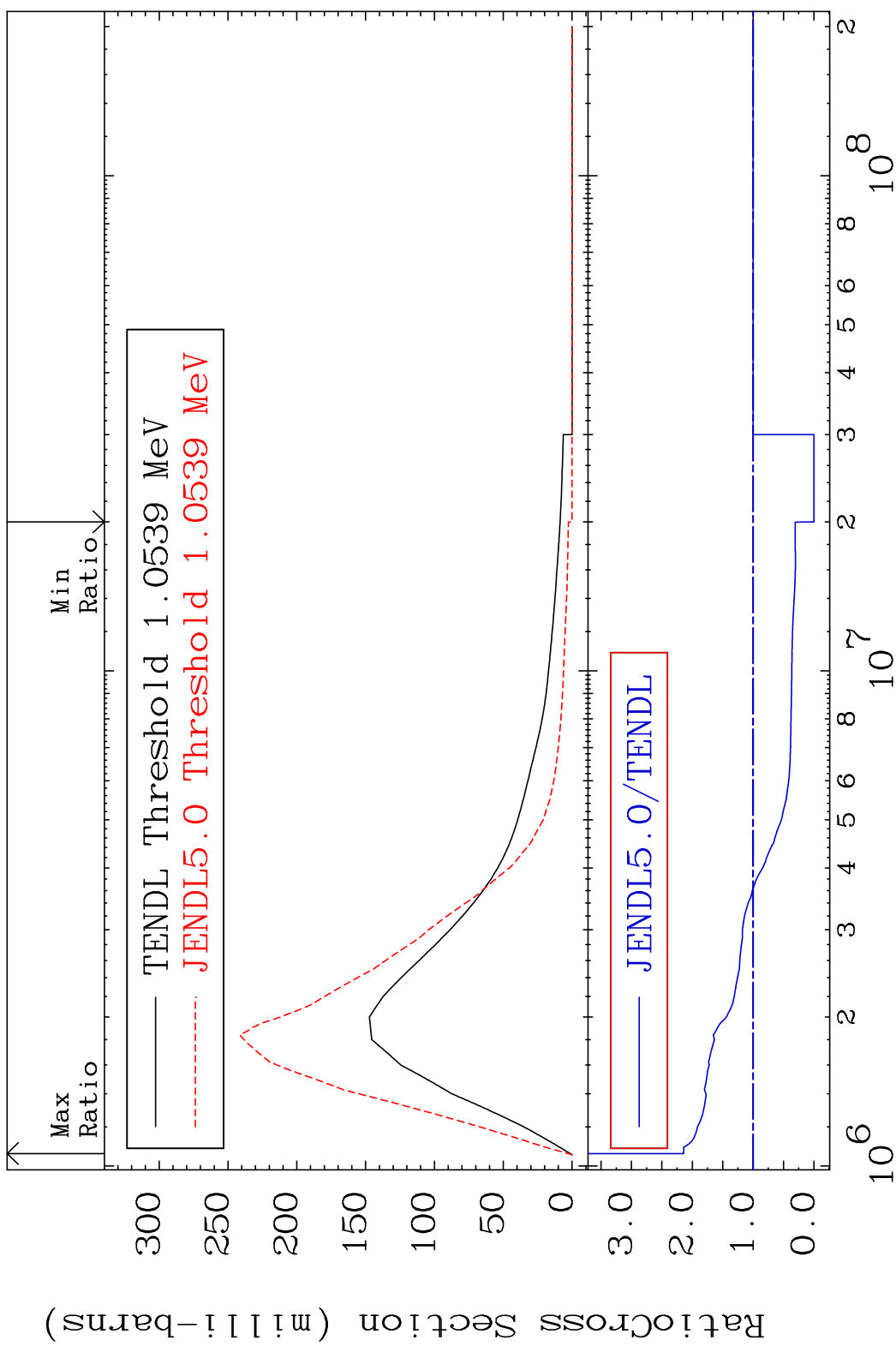
10 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 51 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 93.32 %



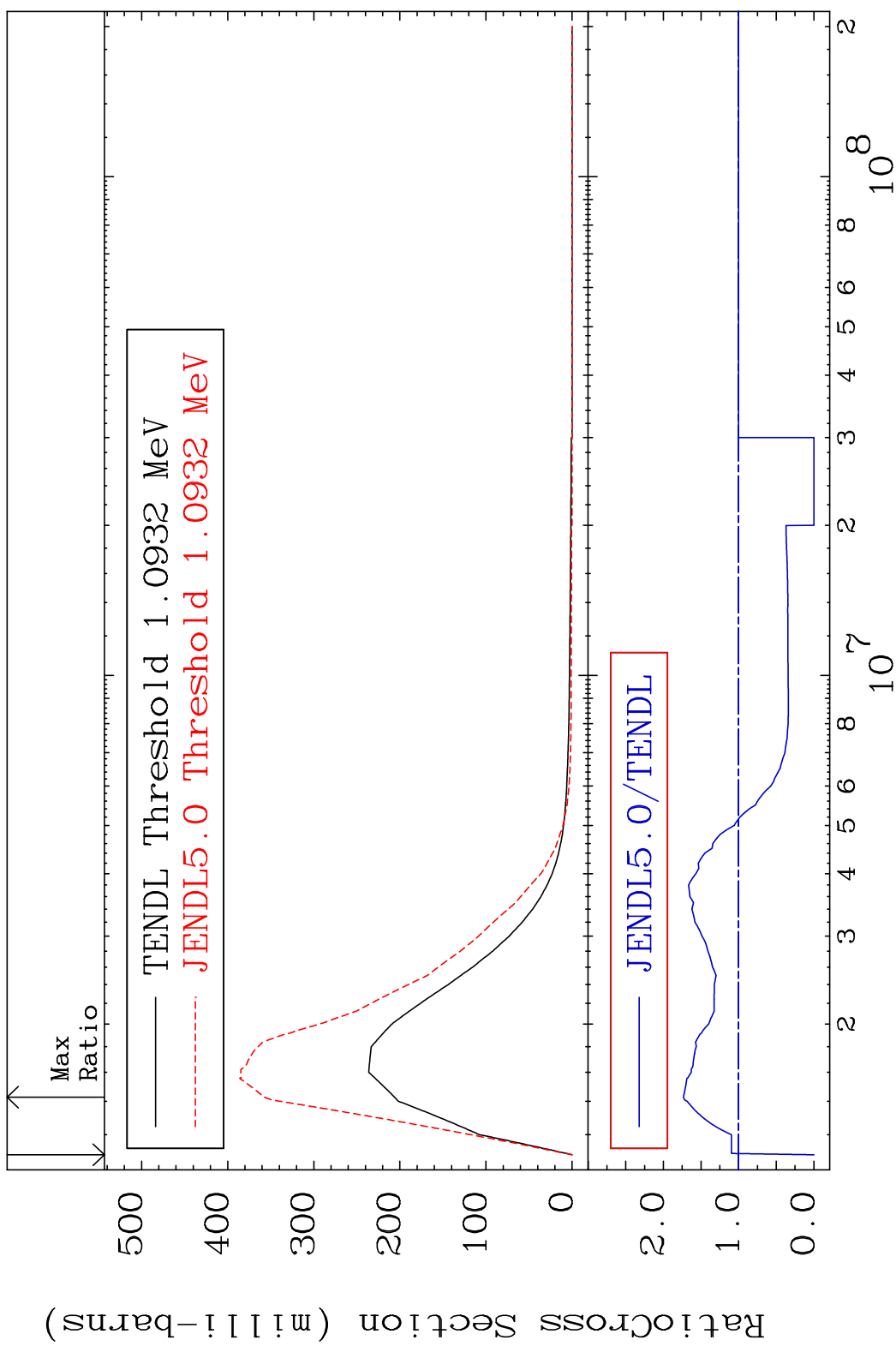
11 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 52 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 114.5 %

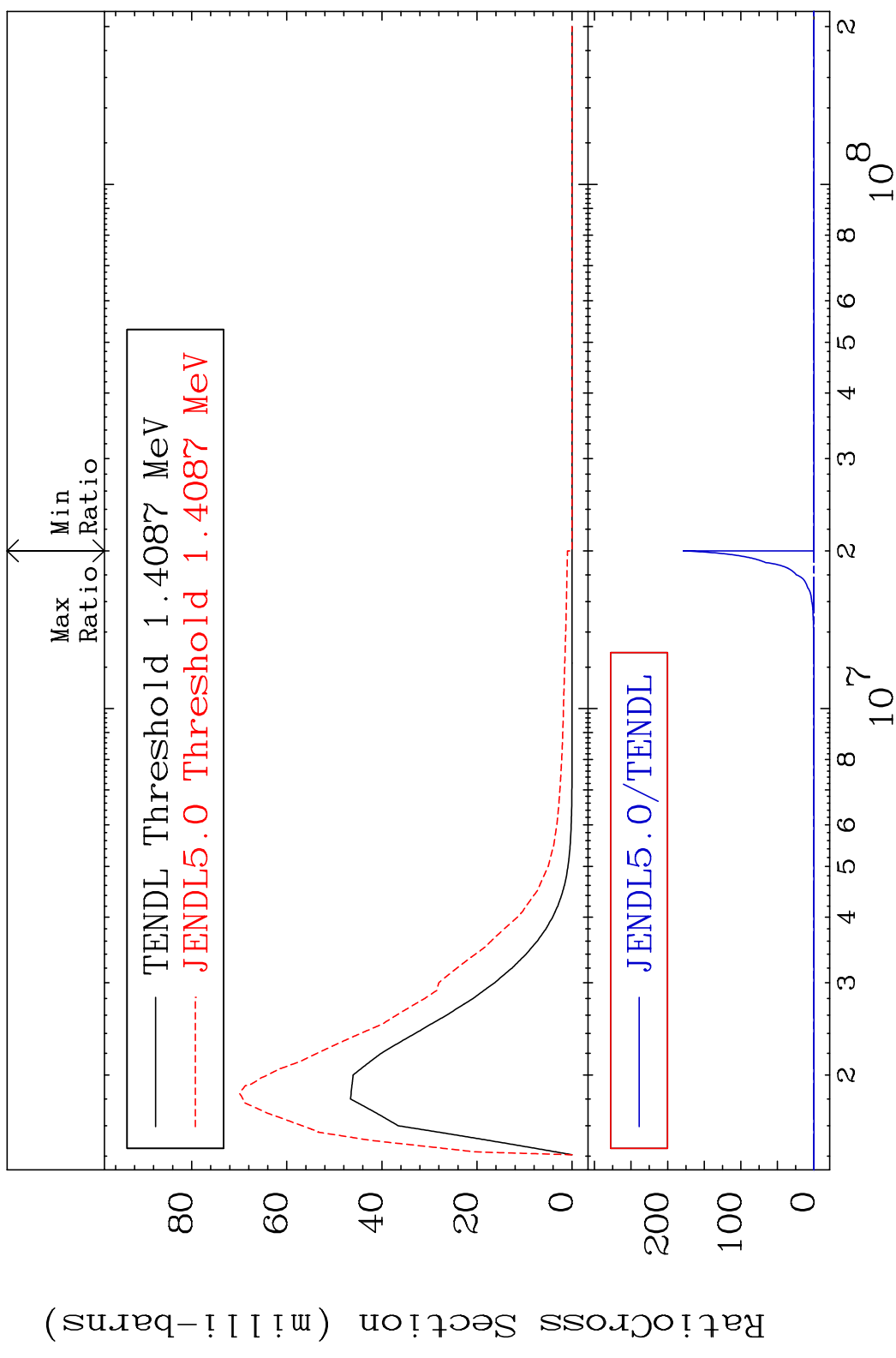


12 80-Hg-198

MAT 8031 MT= 53 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 73.37 %

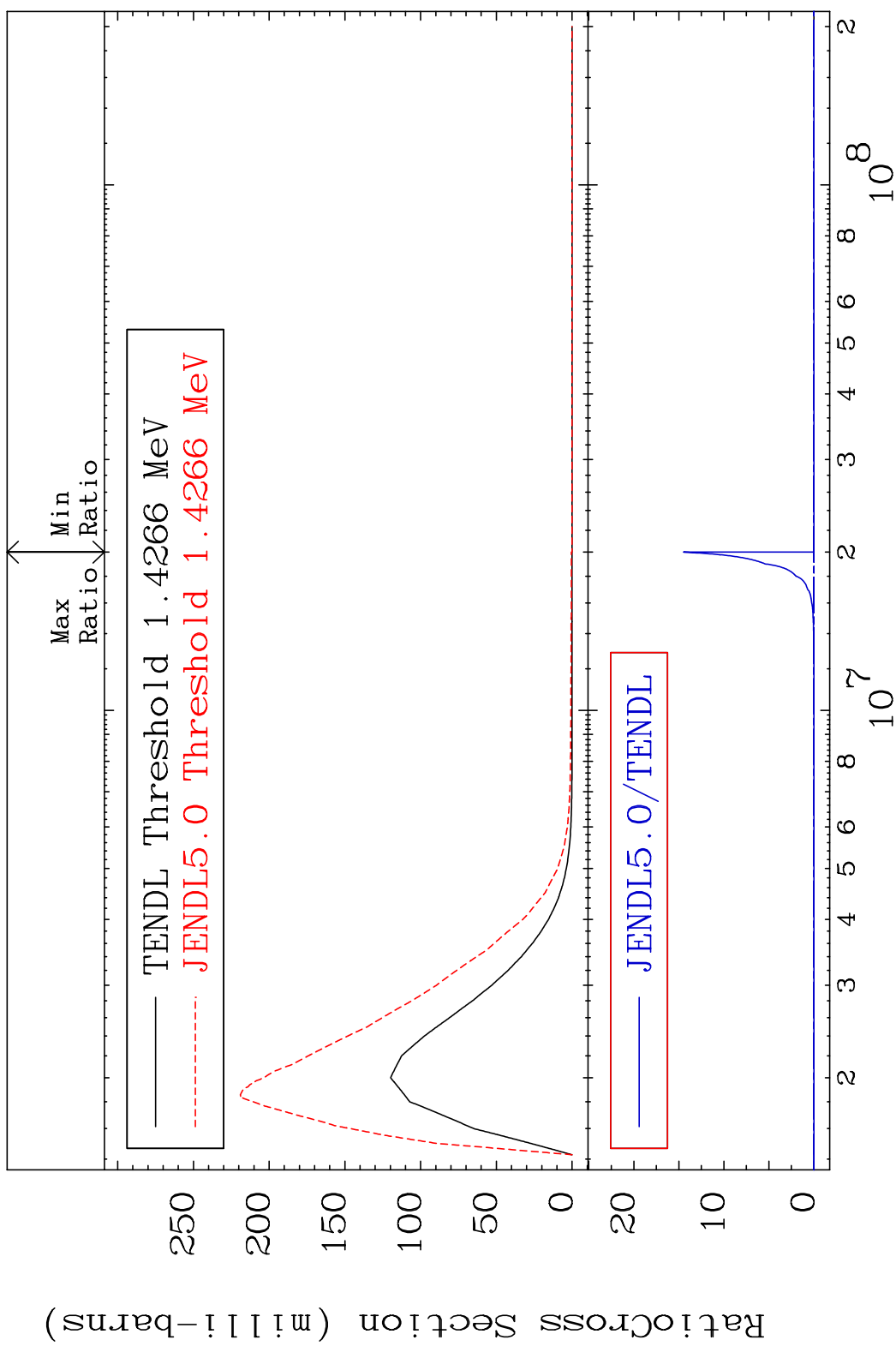


MAT 8031 MT= 54 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



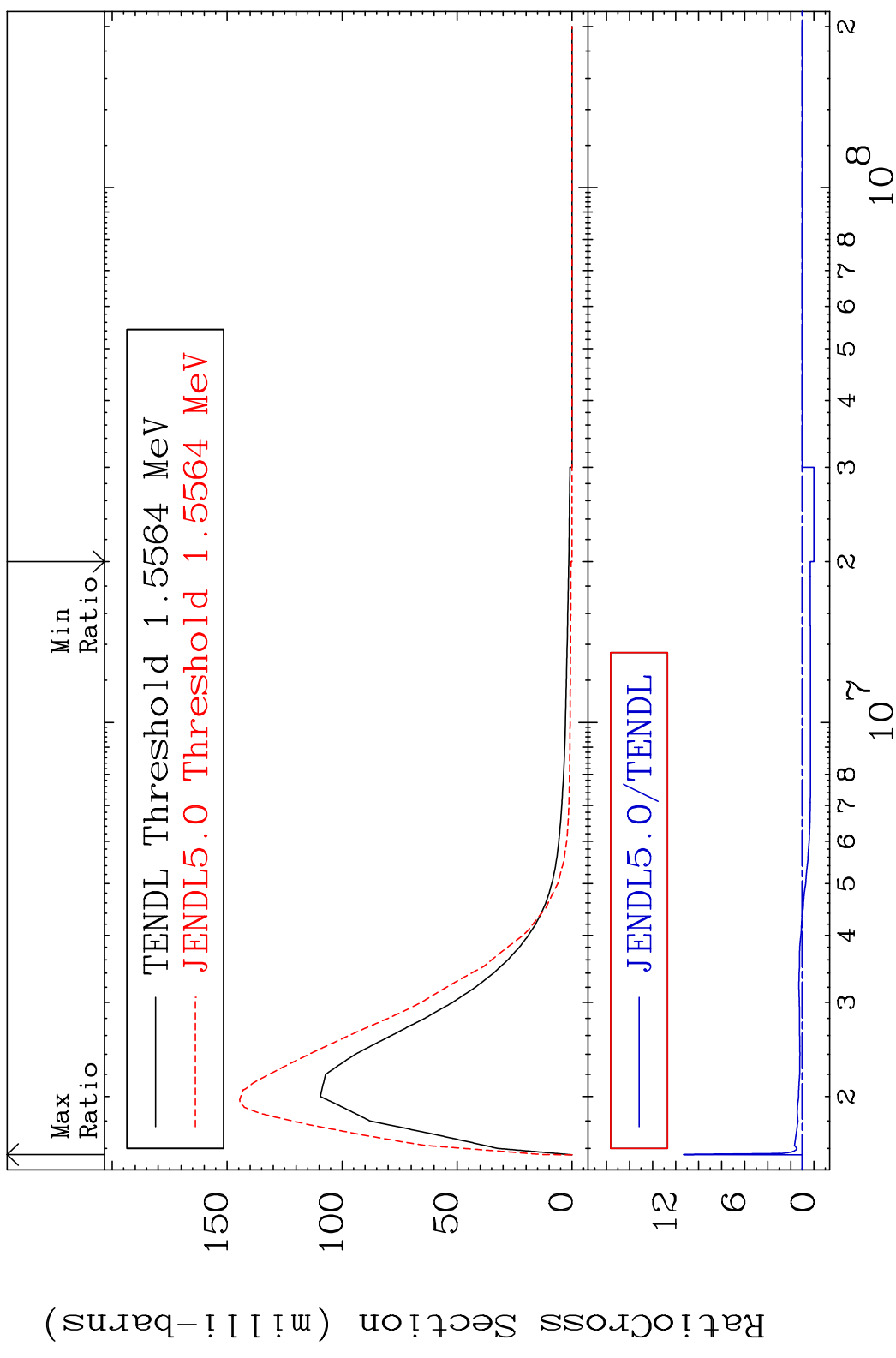
14 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 55 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



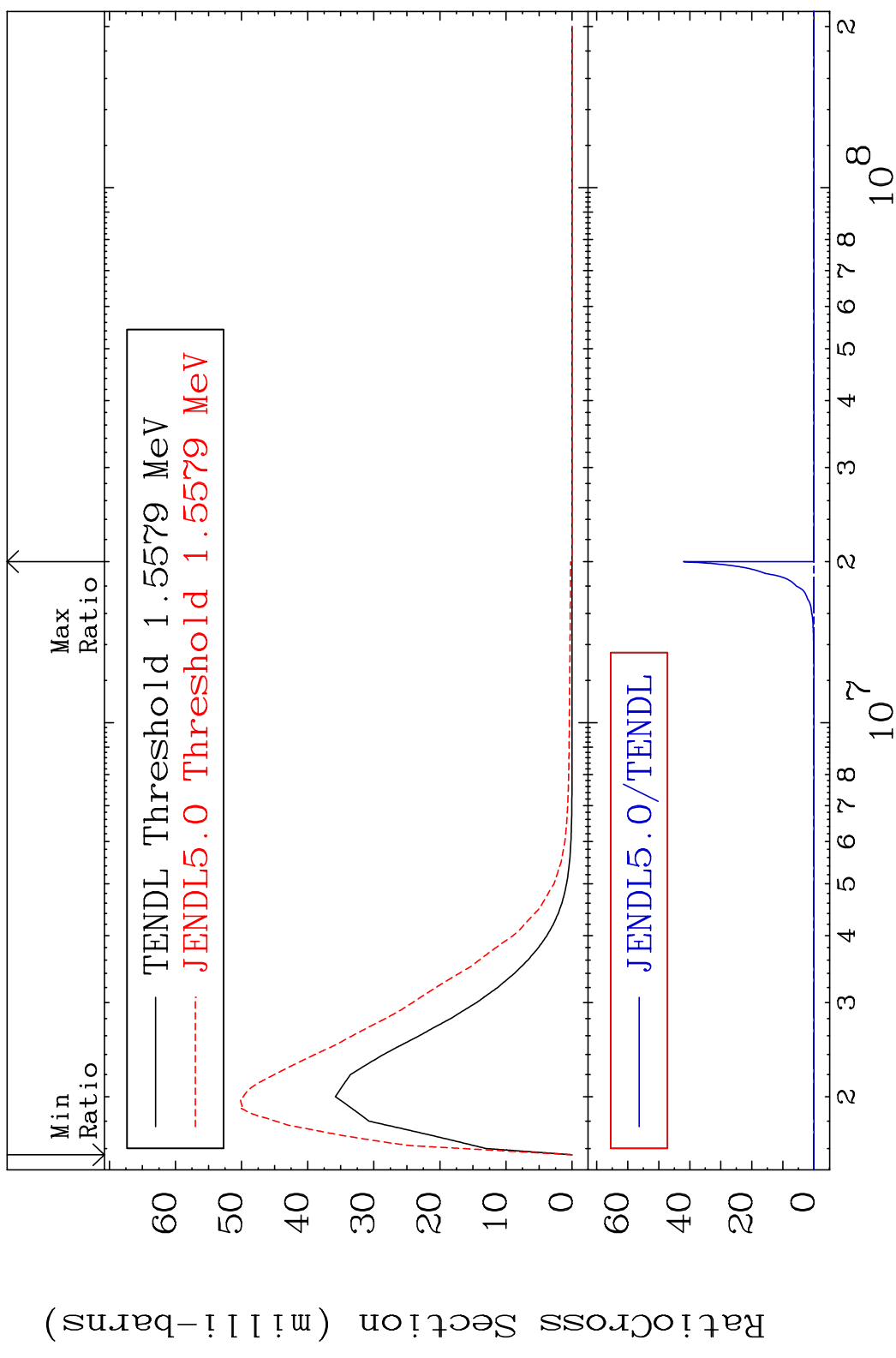
15 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 56 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 1032. %



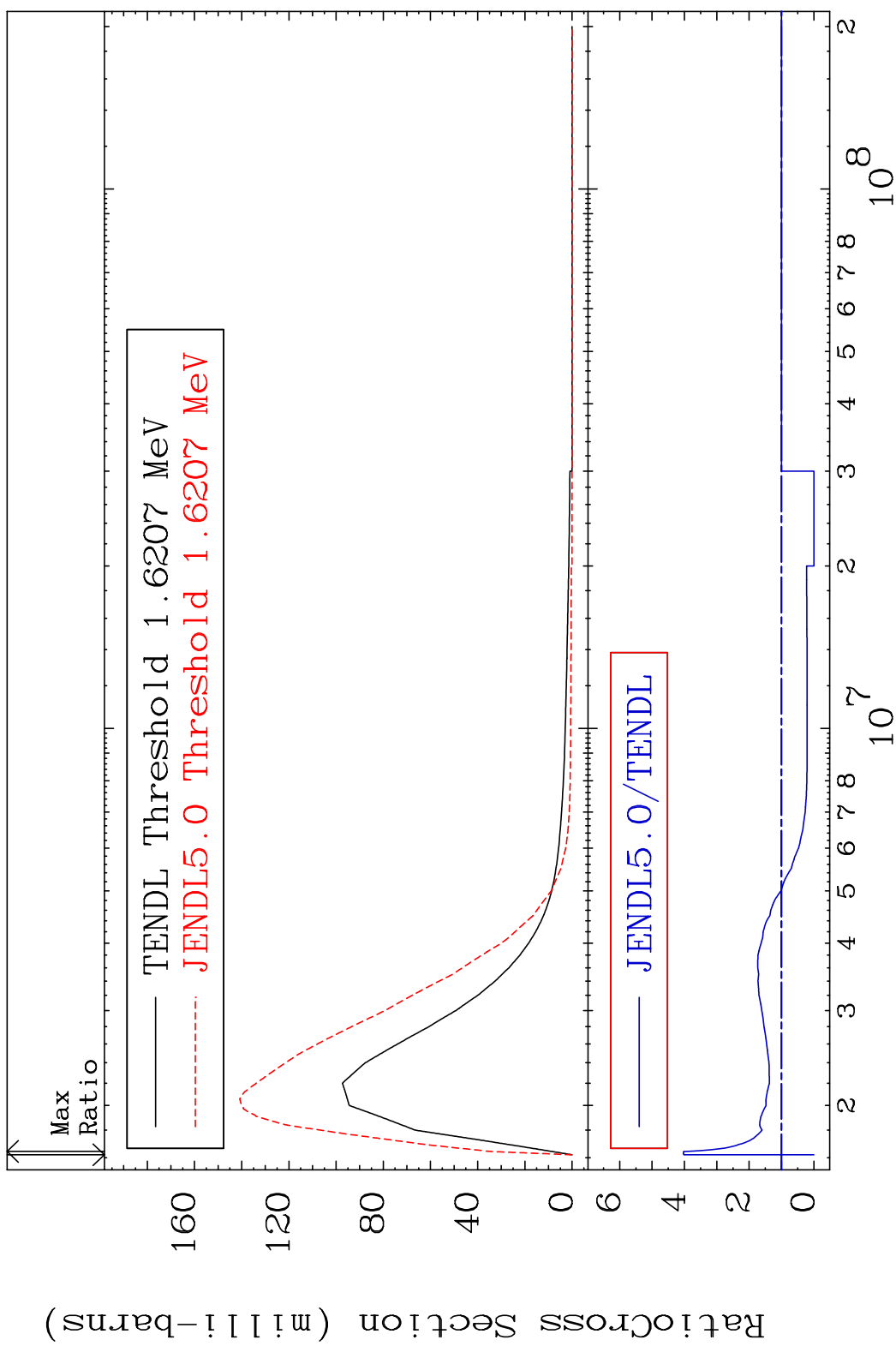
16 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 57 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



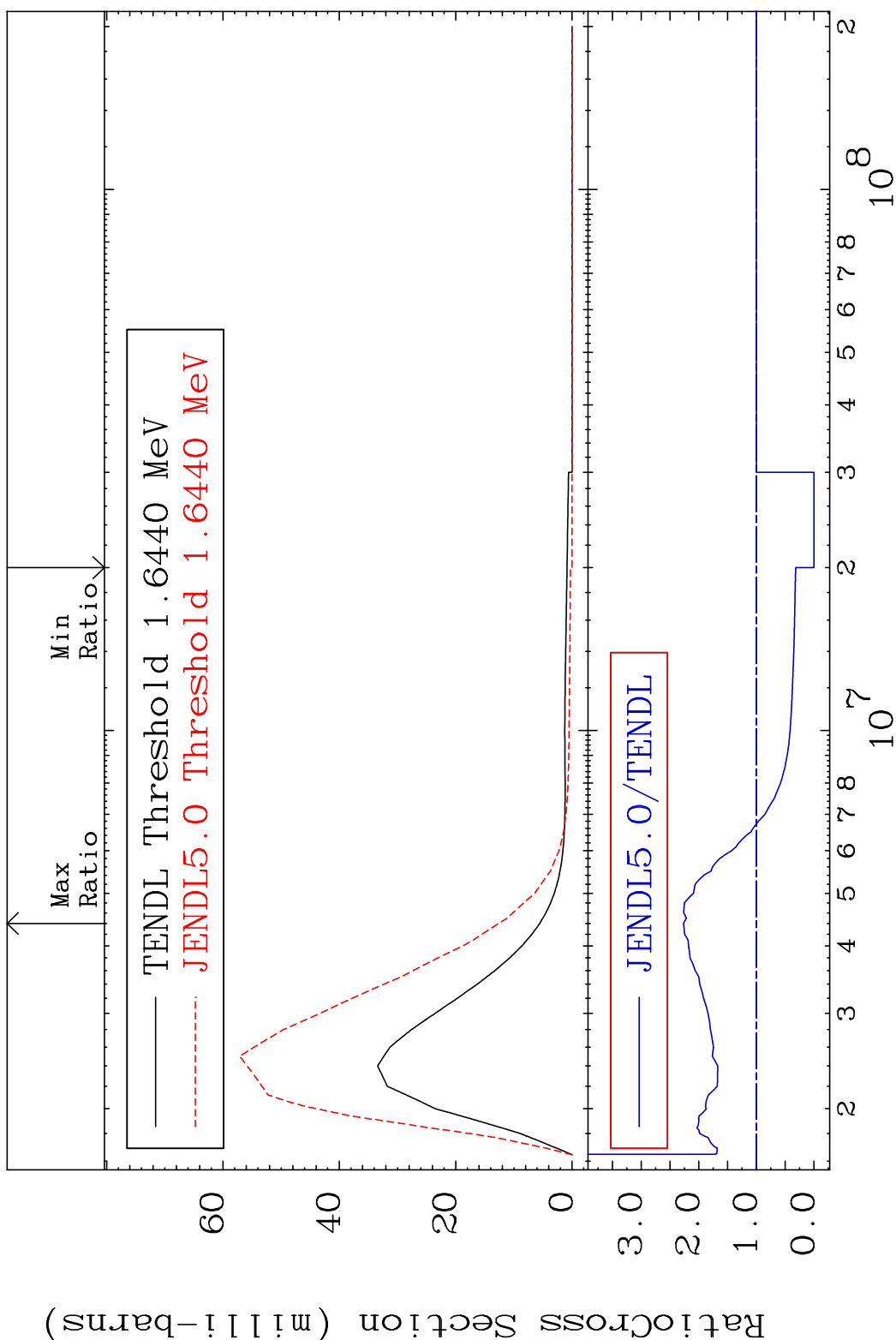
17 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 58 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 303.0 %



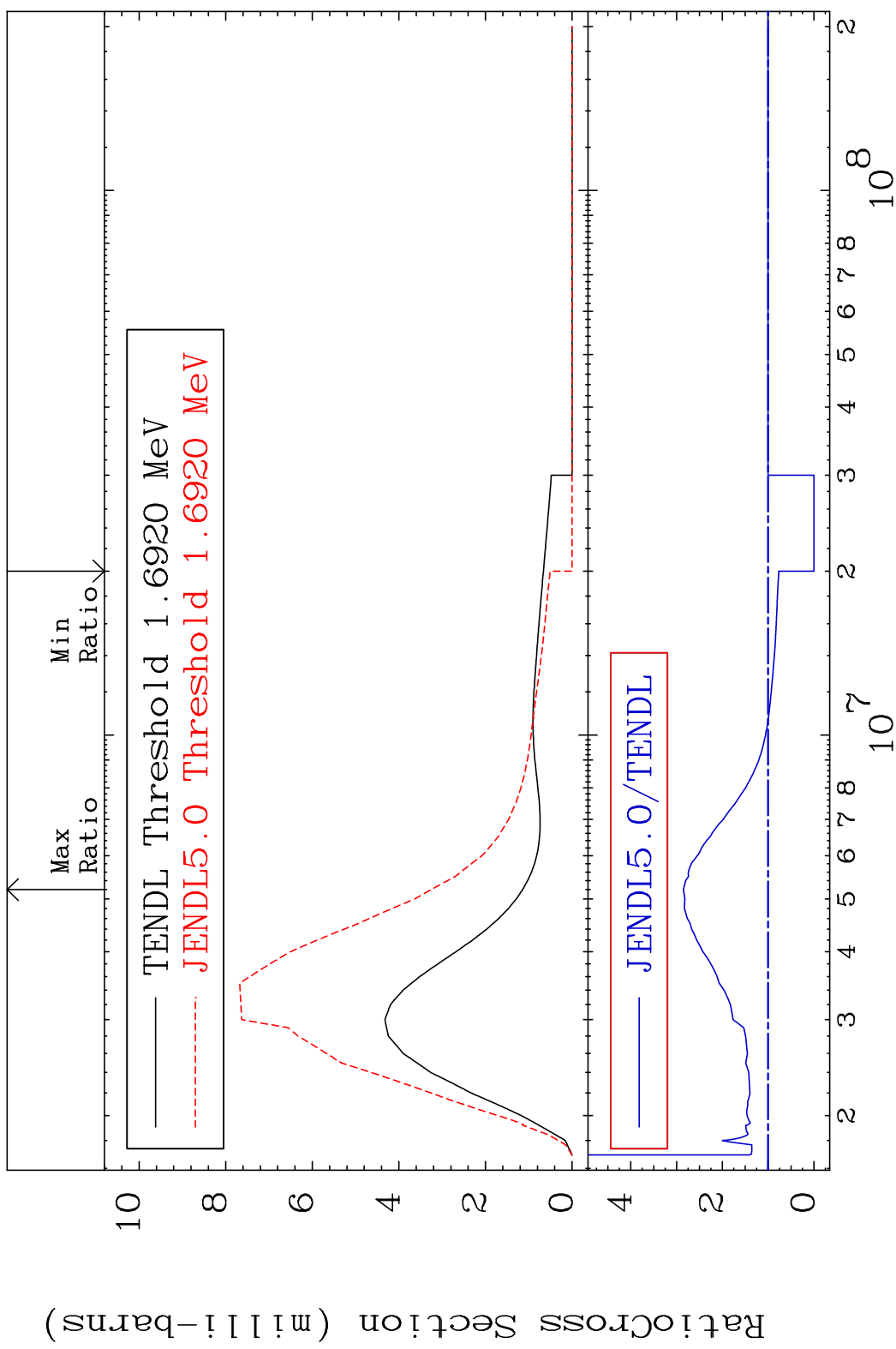
18 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 59 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 126.6 %



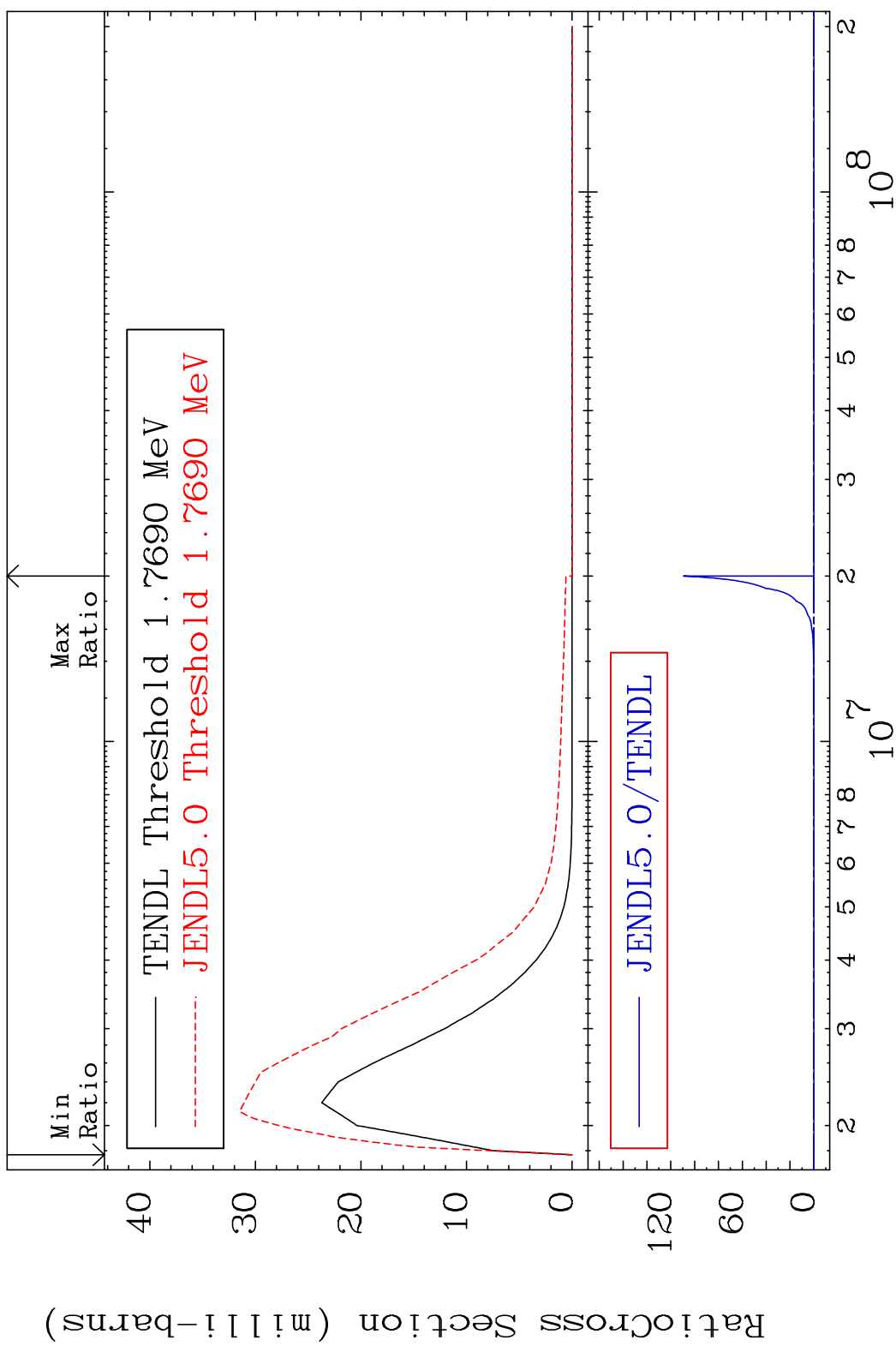
19 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 60 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 185.0 %

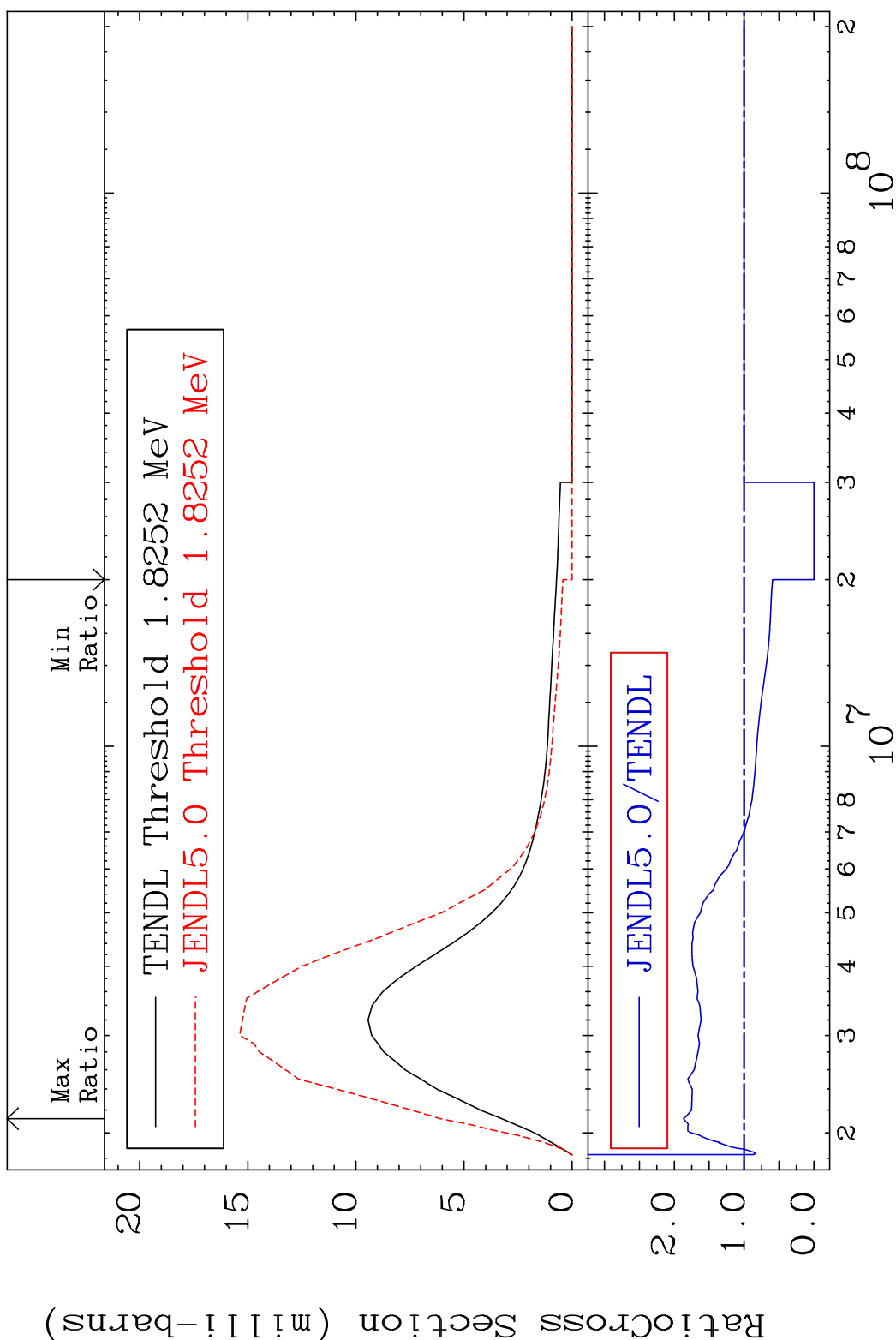


20 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 61 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

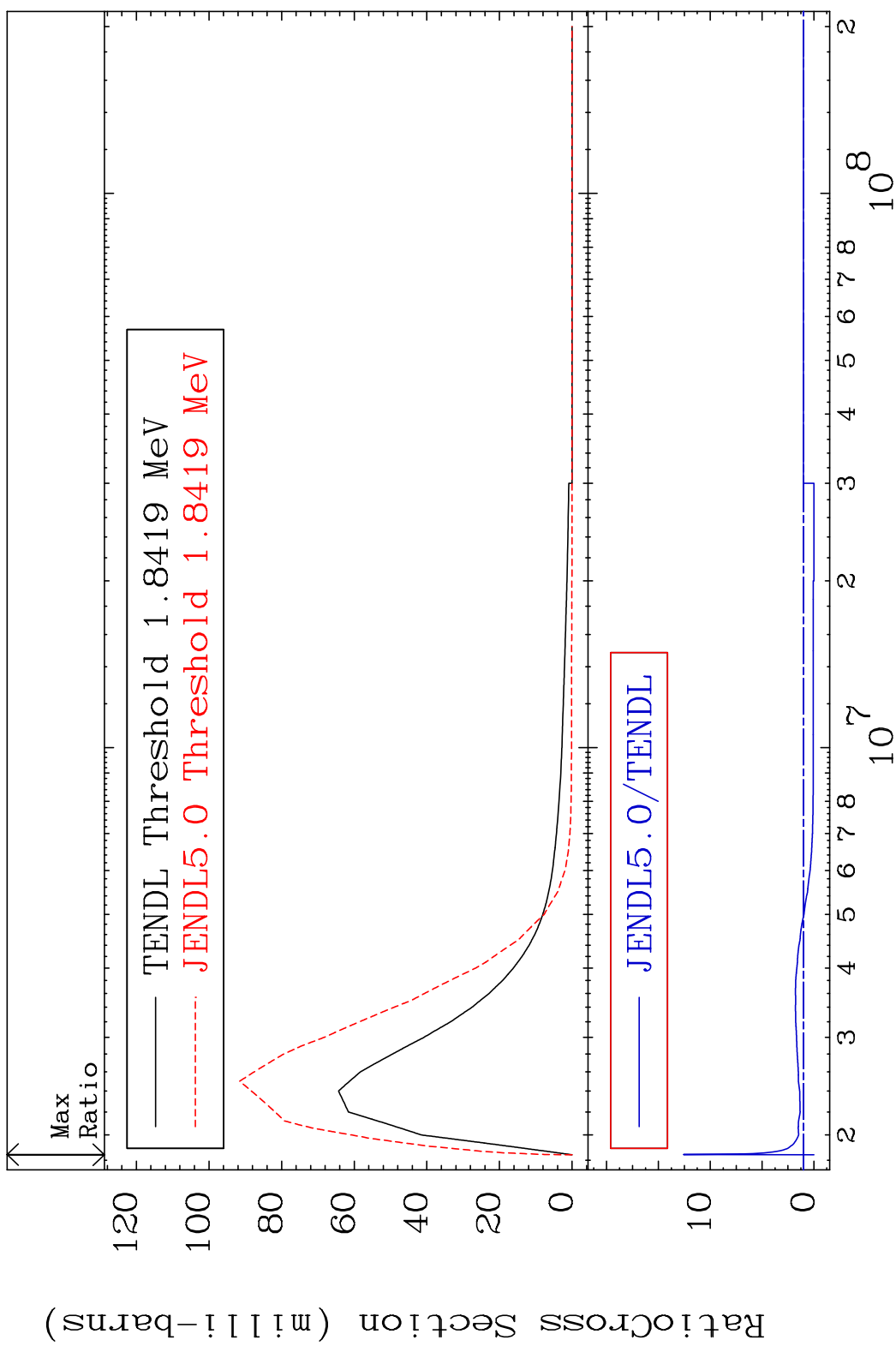


MAT 8031 MT= 62 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 86.84 %

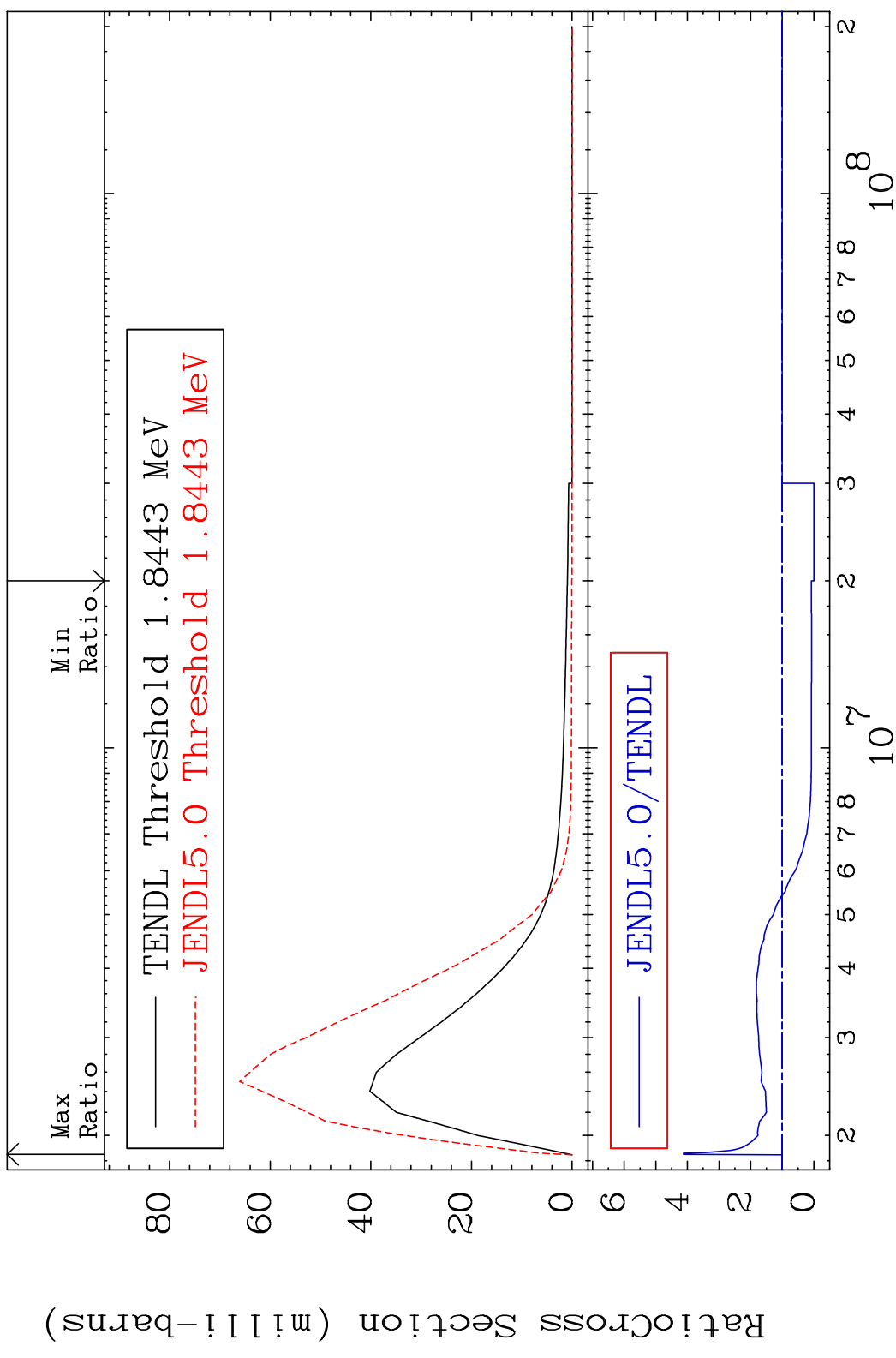


22 80-Hg-198

MAT 8031 MT= 63 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 1158. %

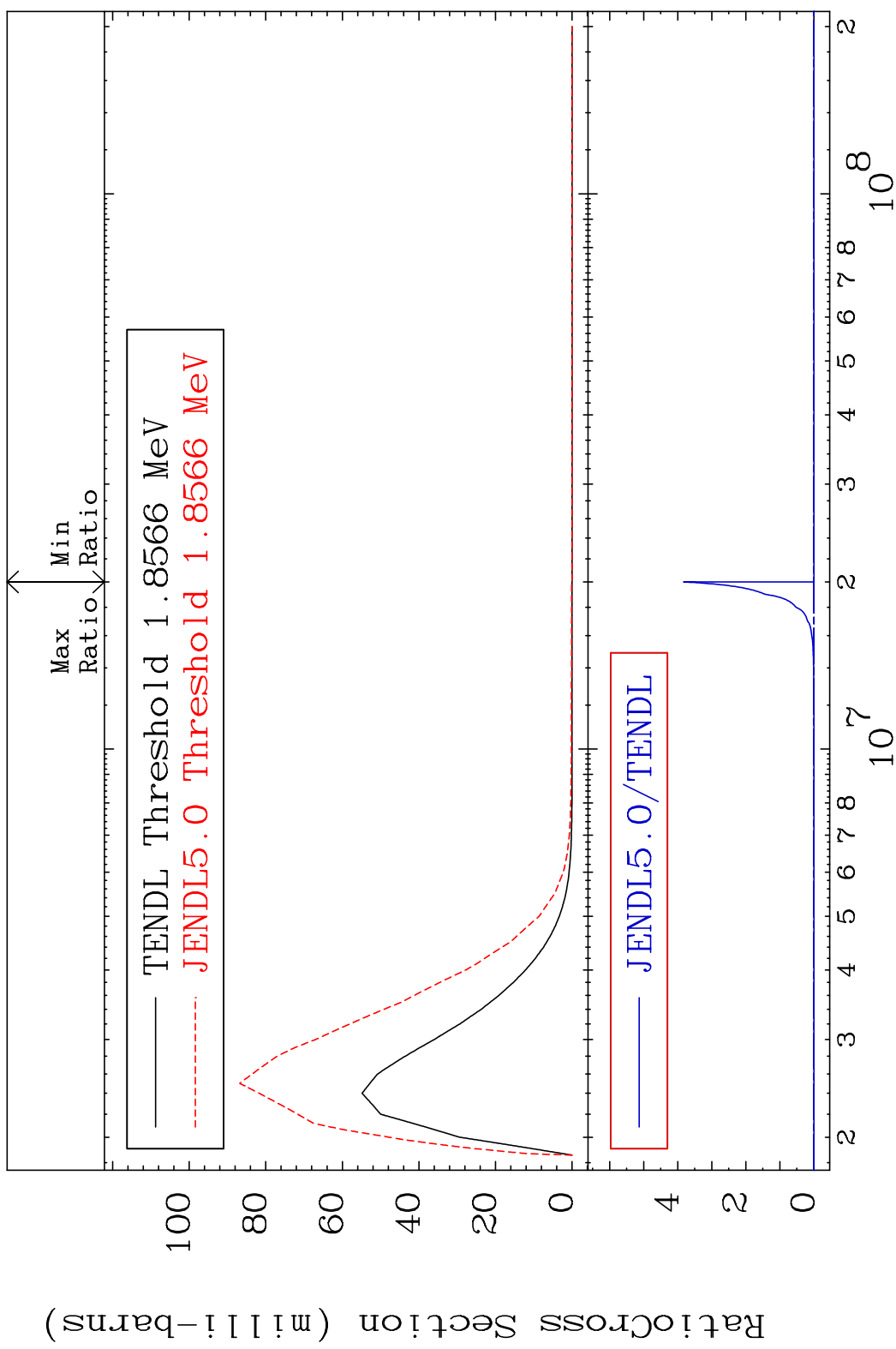


MAT 8031 MT= 64 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 312.6 %

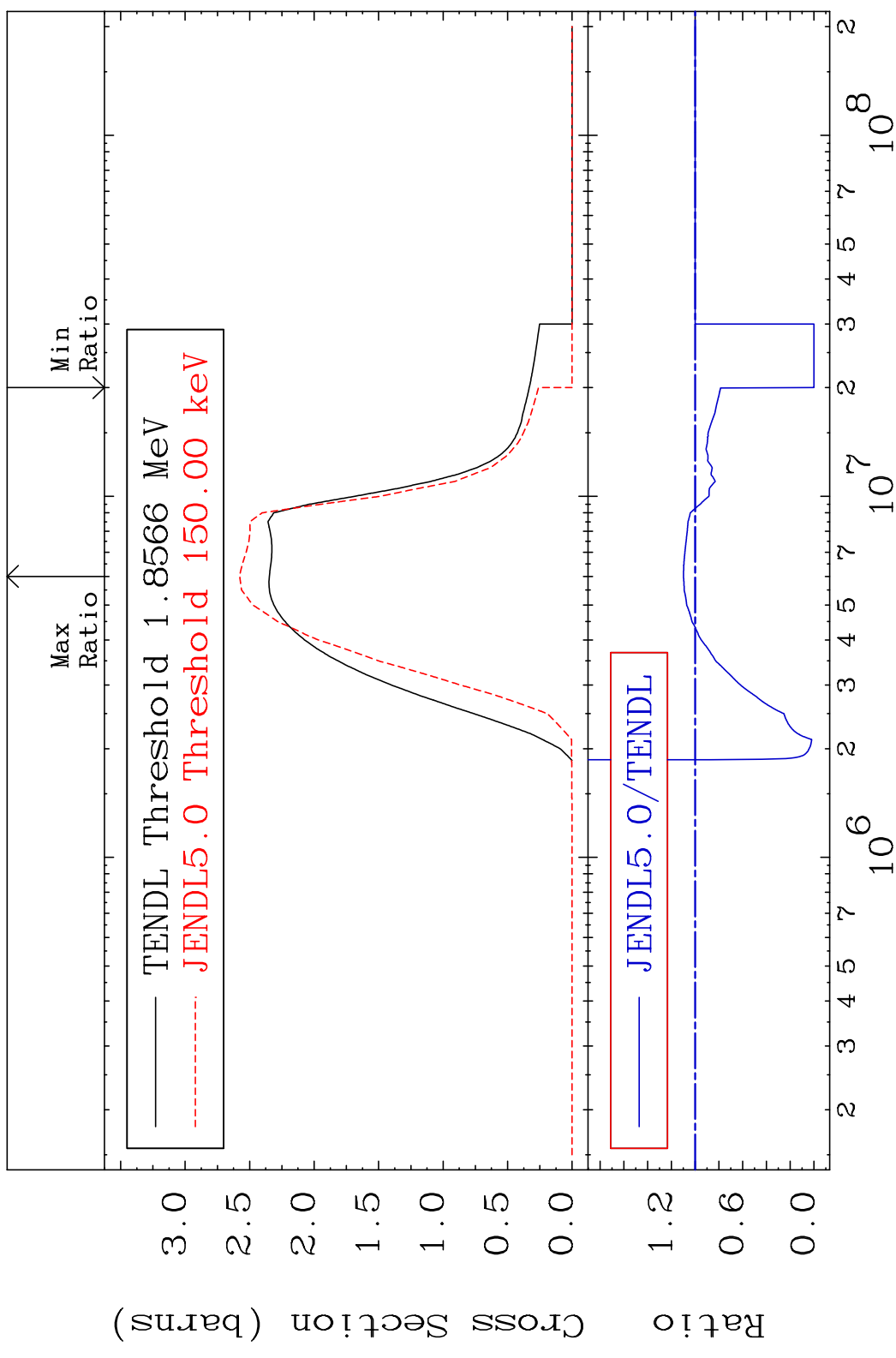


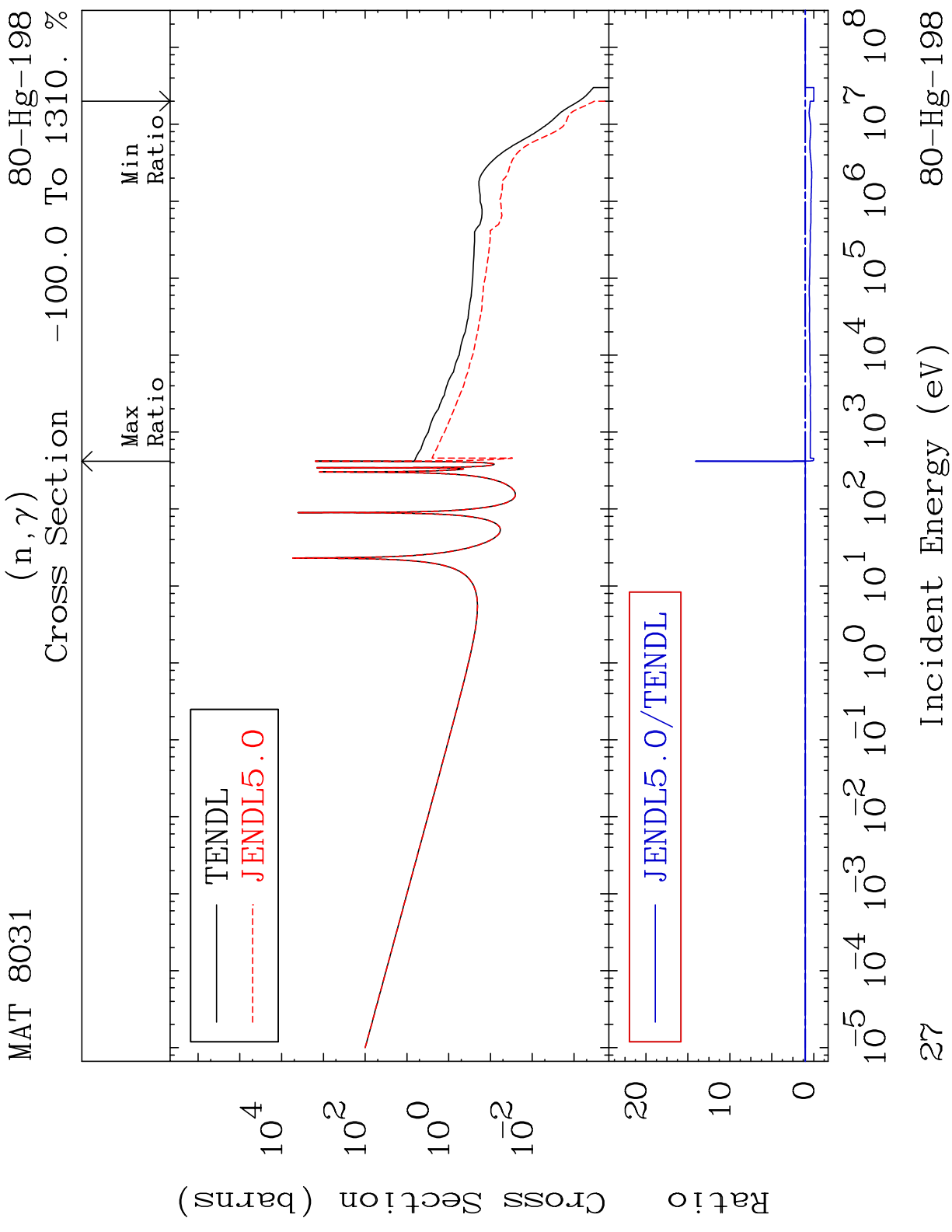
24 Incident Energy (eV) 80-Hg-198

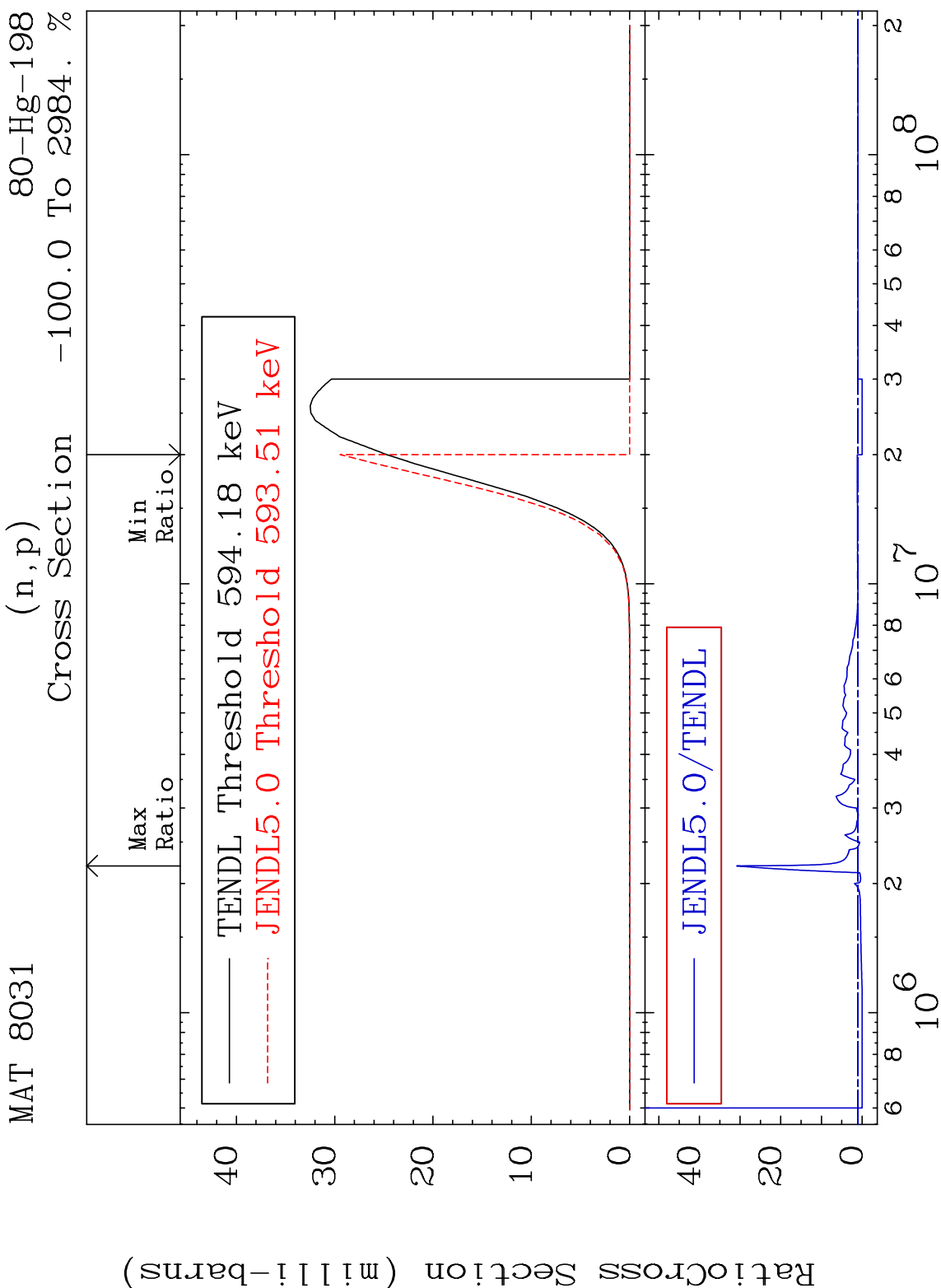
MAT 8031 MT= 65 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %



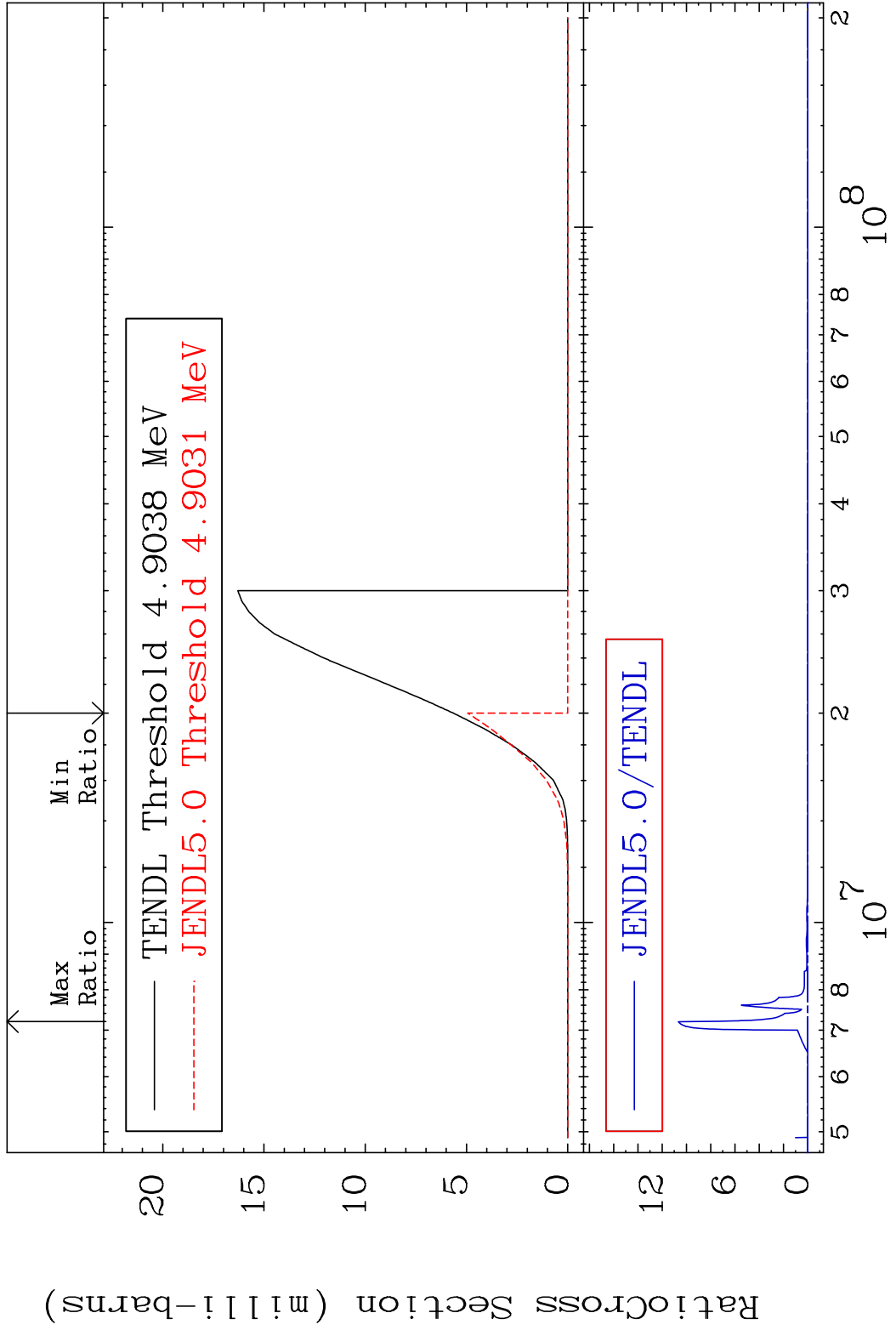
25 Incident Energy (eV) 80-Hg-198



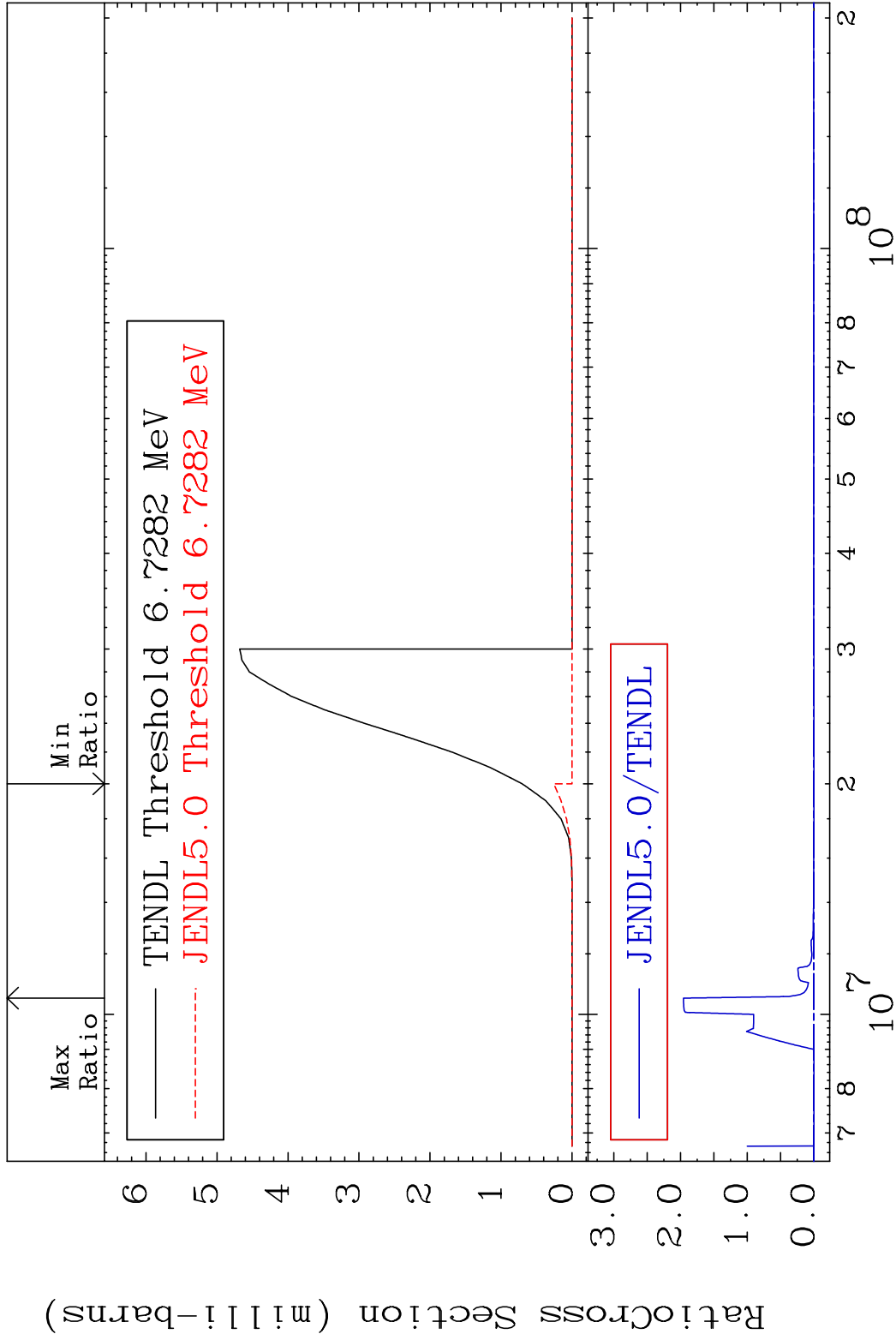




MAT 8031 (n, d) 80-Hg-198
 Cross Section -100.0 To 9999. %

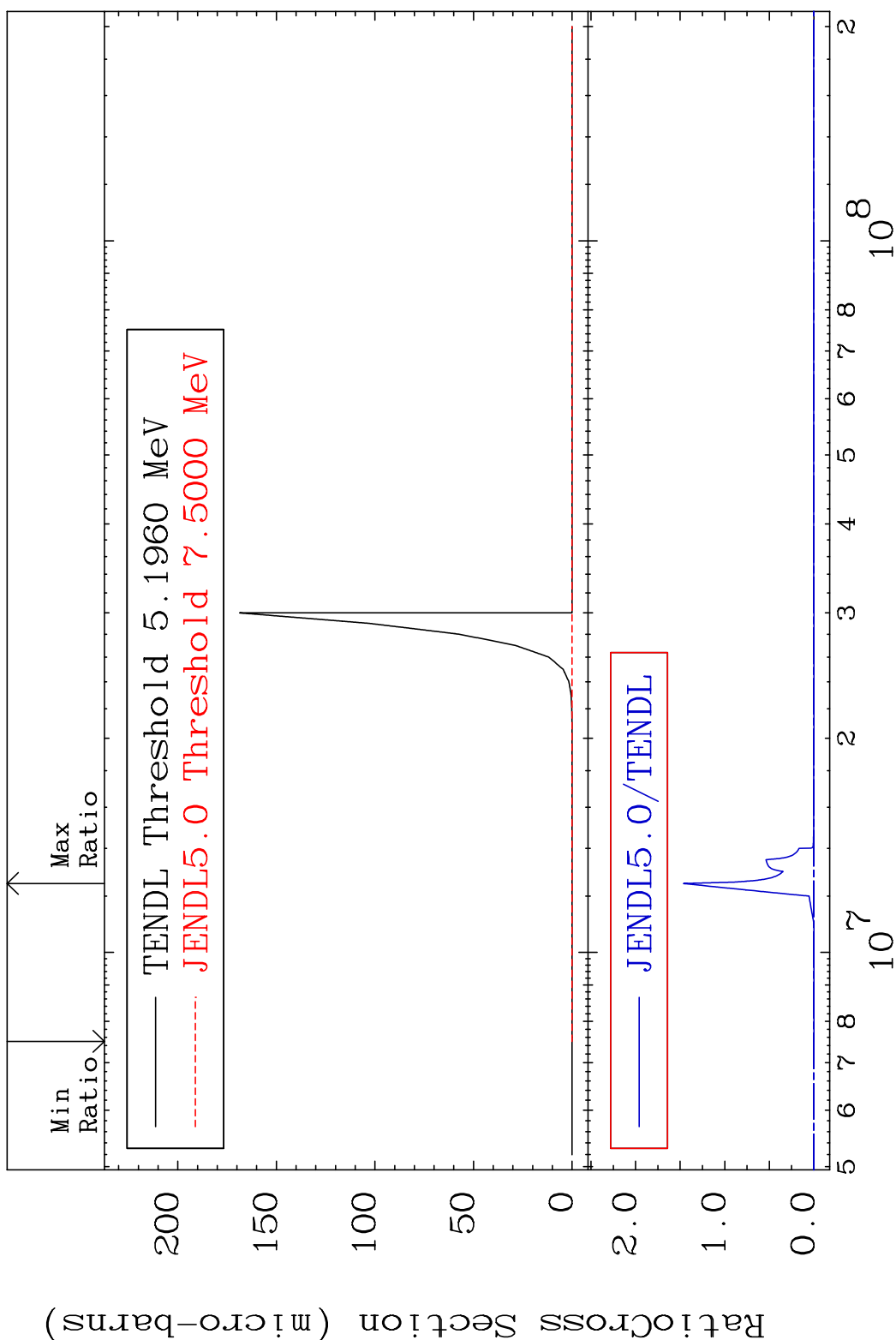


MAT 8031 (n, t) 80-Hg-198
 Cross Section -100.0 To 9999. %

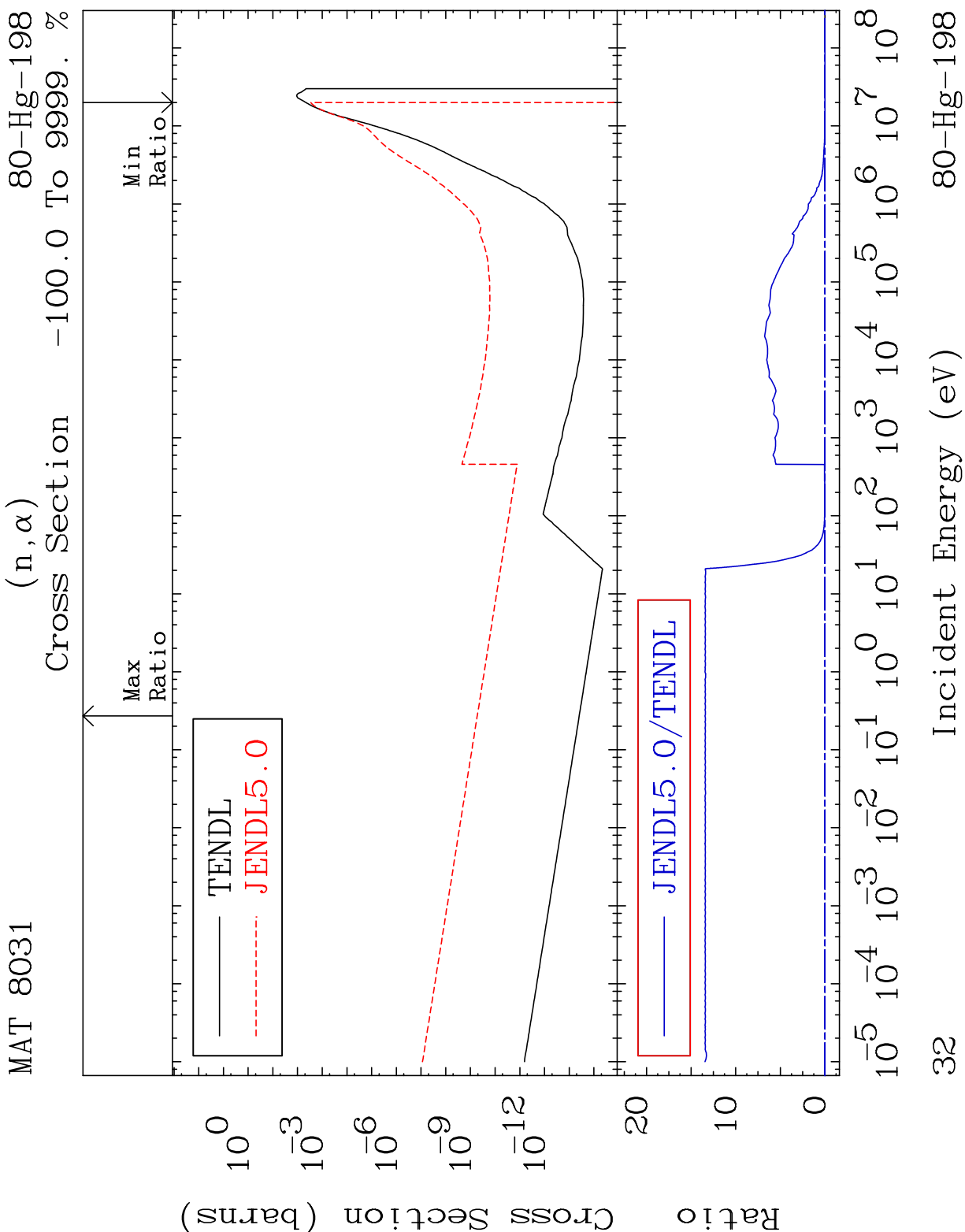


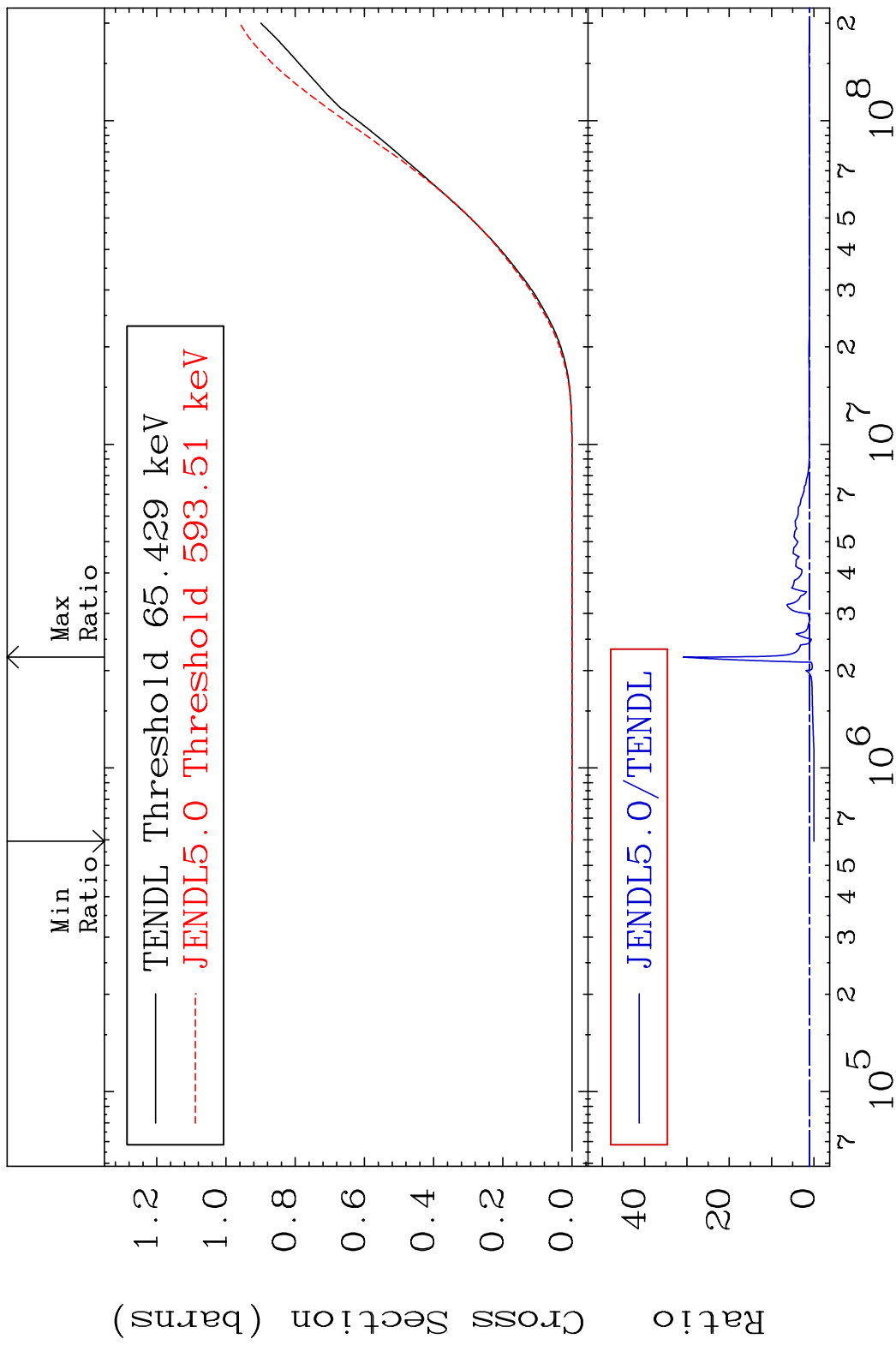
30 80-Hg-198

MAT 8031 (n, He-3) 80-Hg-198
 Cross Section -100.0 To 9999. %

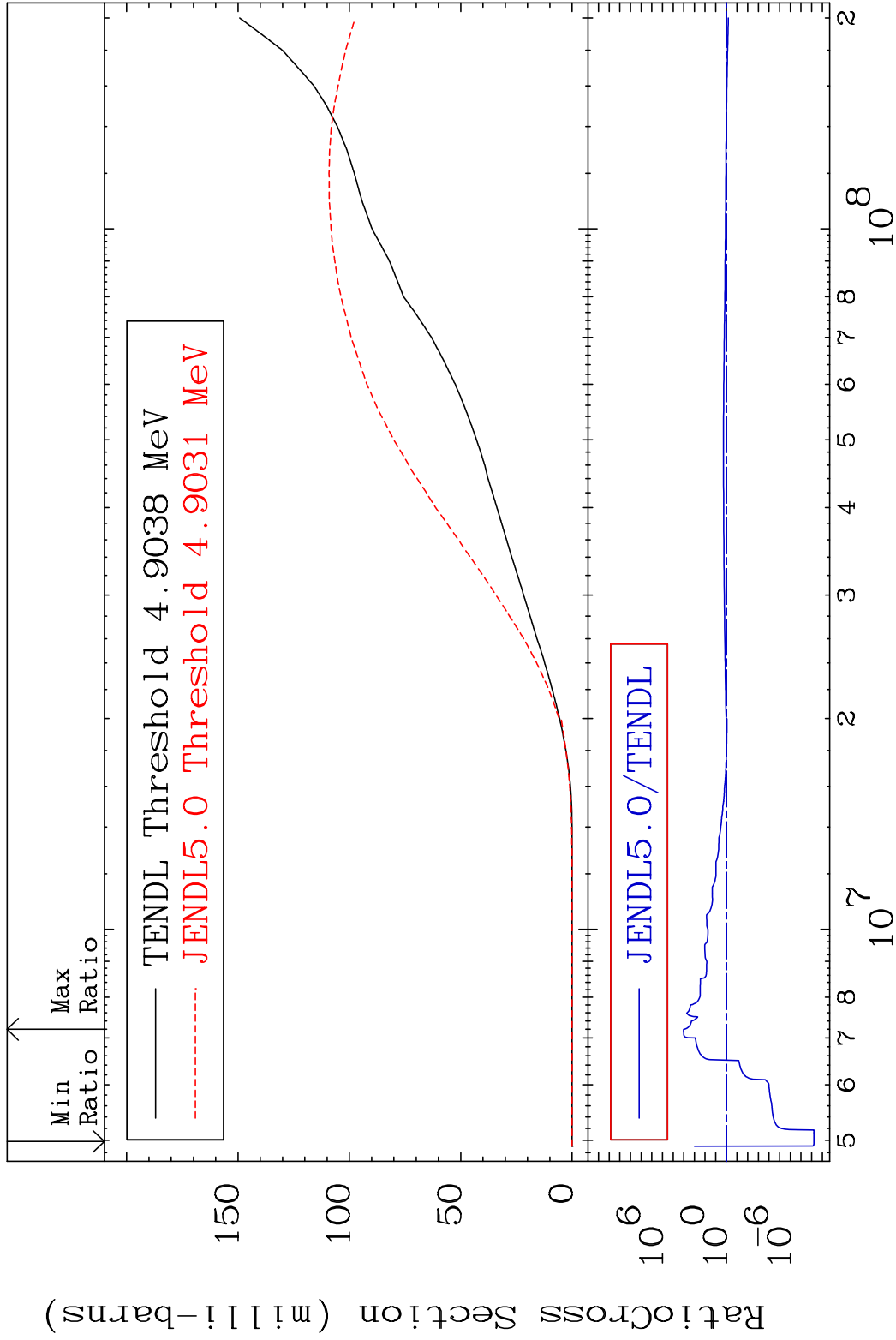


31 Incident Energy (eV) 80-Hg-198

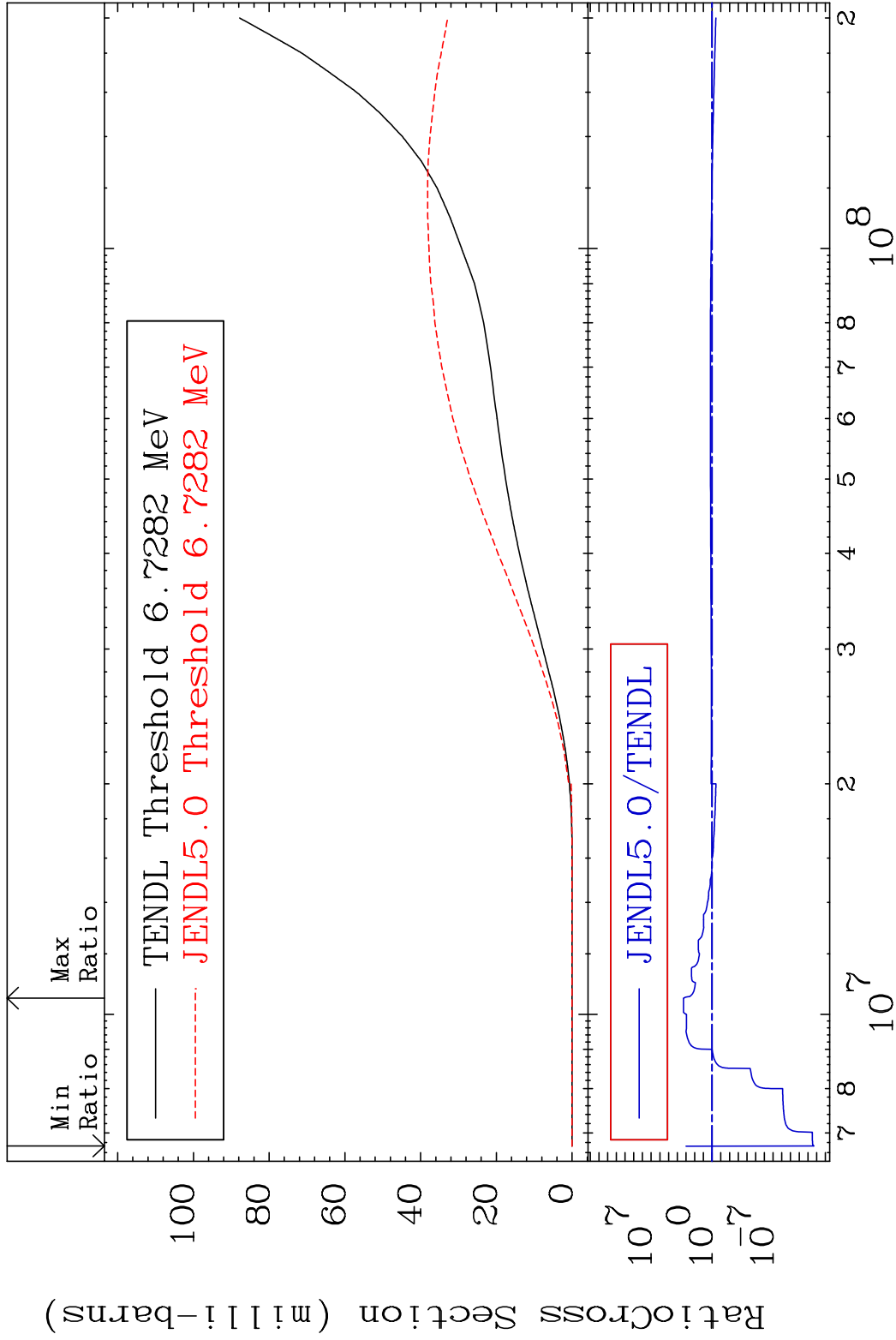




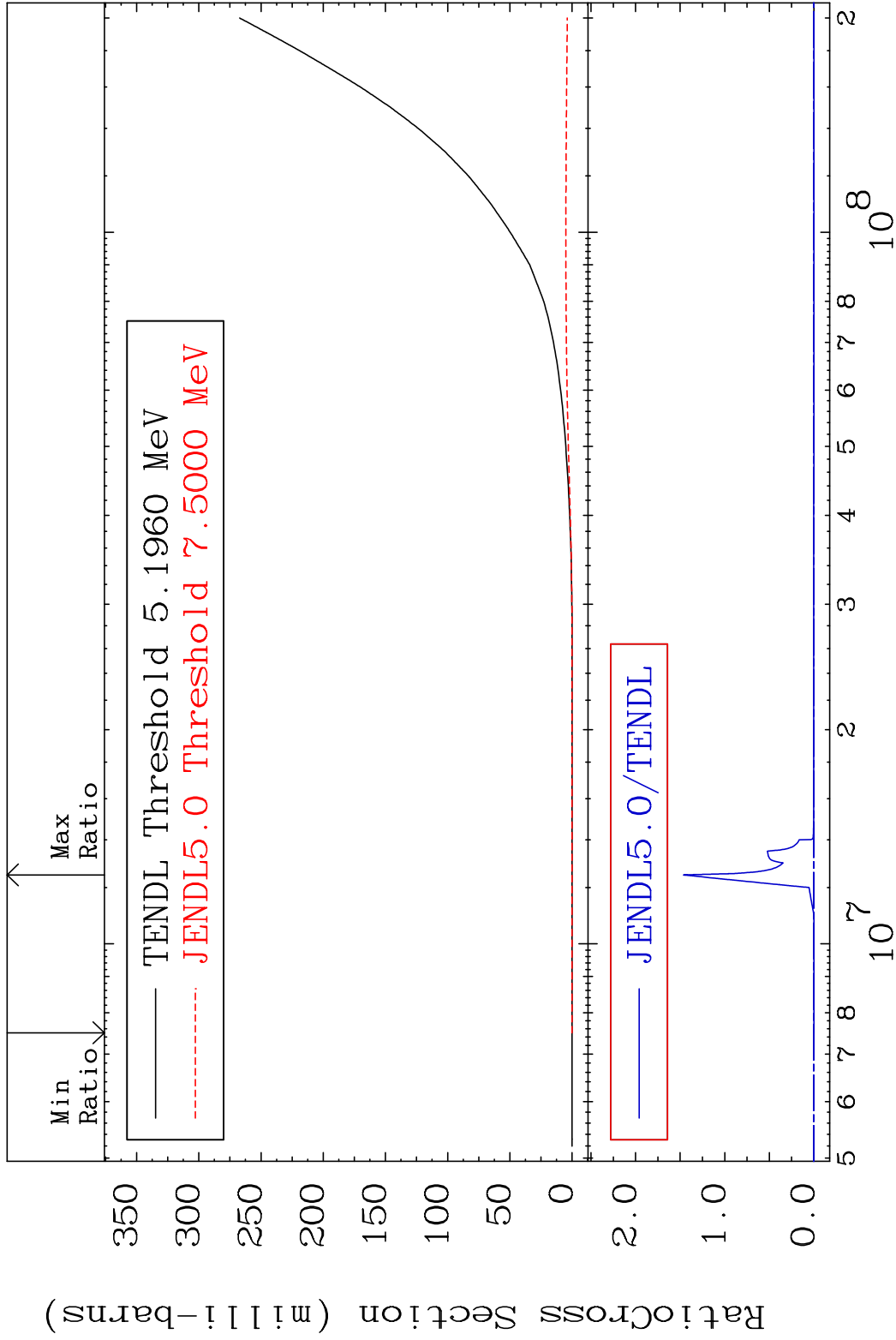
MAT 8031 Deuterium Production 80-Hg-198
 Cross Section -100.0 To 9999. %



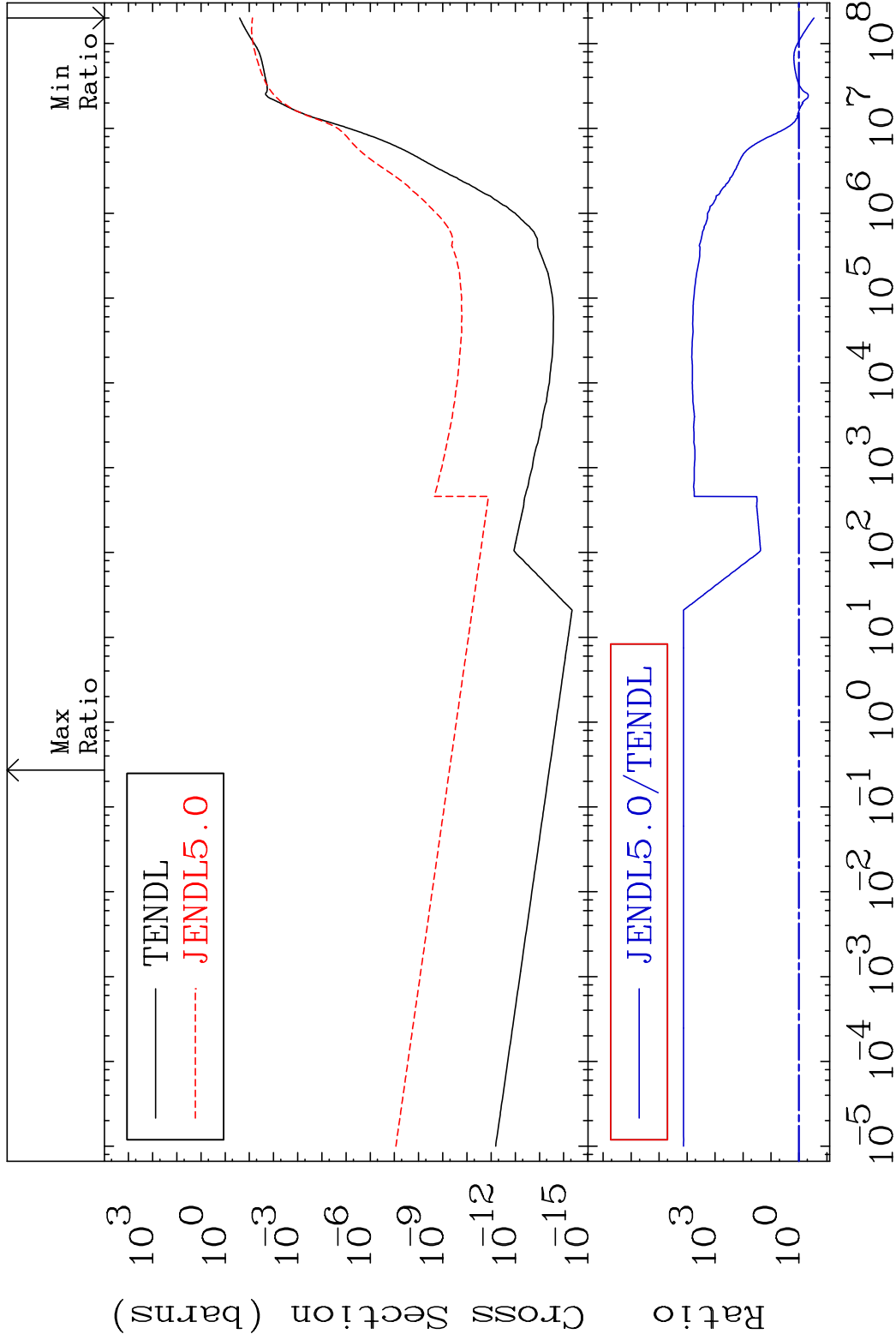
MAT 8031 Tritium Production 80-Hg-198
 Cross Section -100.0 To 9999. %



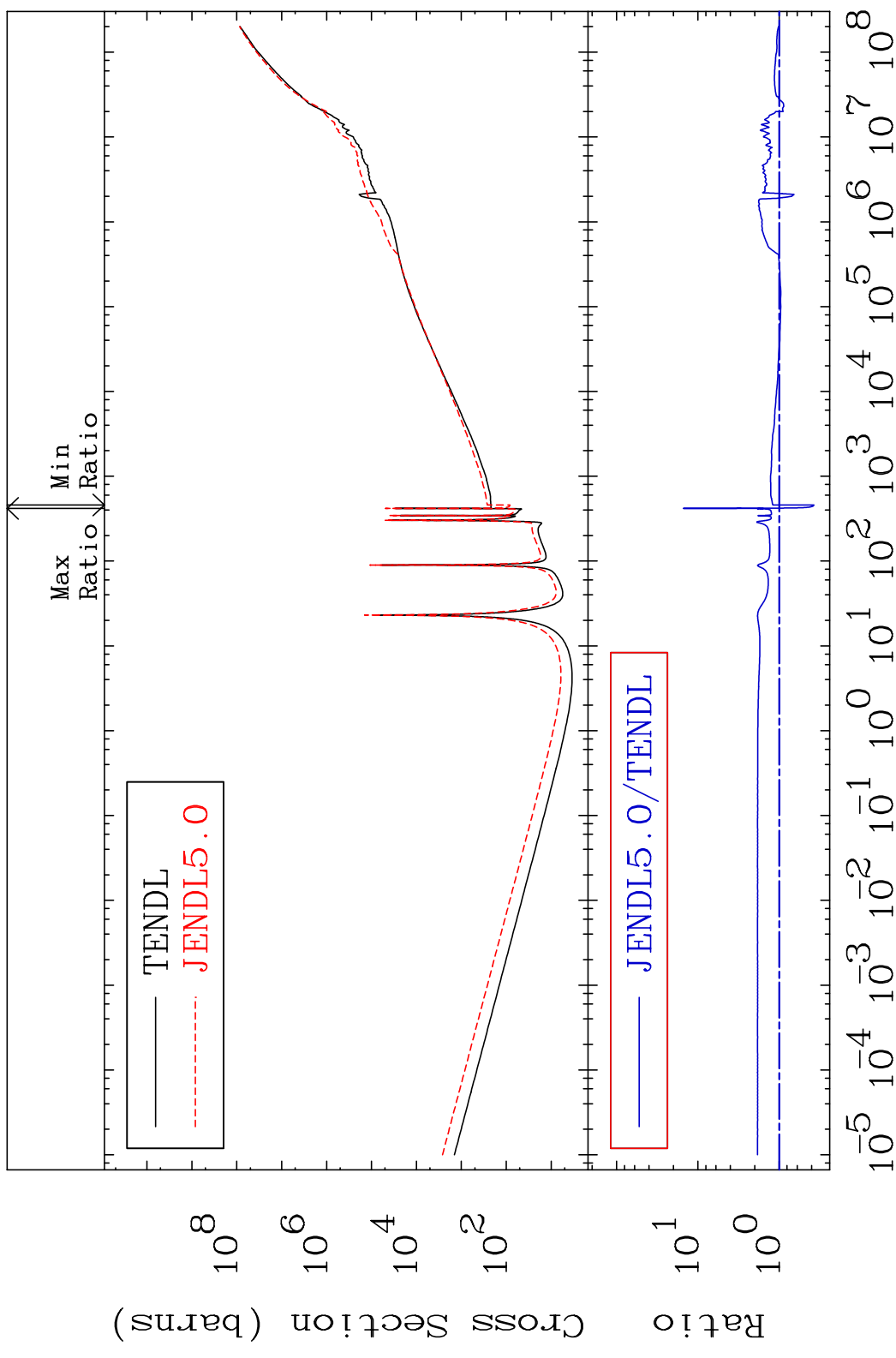
35 Incident Energy (eV) 80-Hg-198



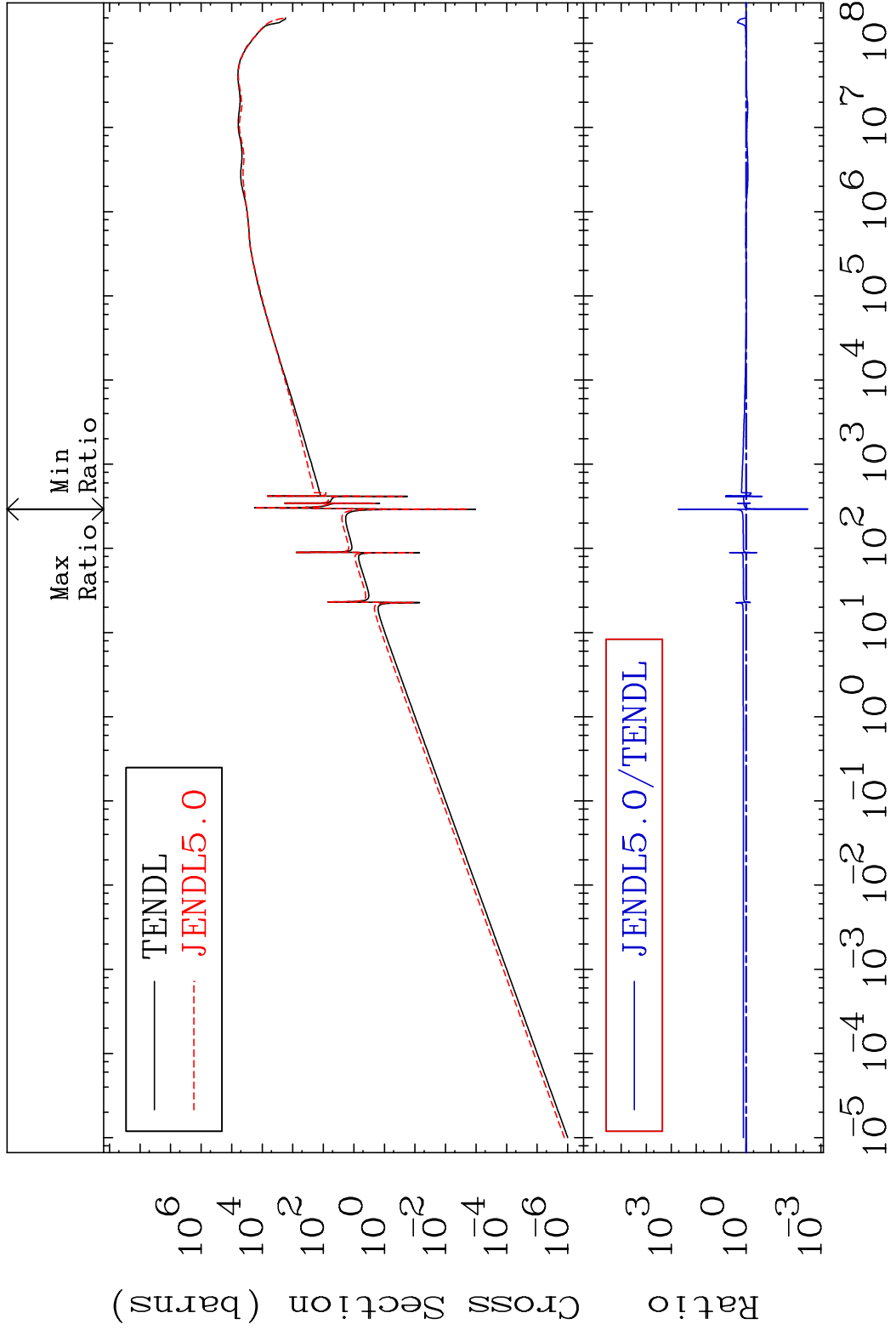
MAT 8031 He-4 Production 80-Hg-198
 Cross Section -70.72 To 9999. %



MAT 8031 Kerma total (eV-barns) 80-Hg-198
 Cross Section -62.54 To 1406. %

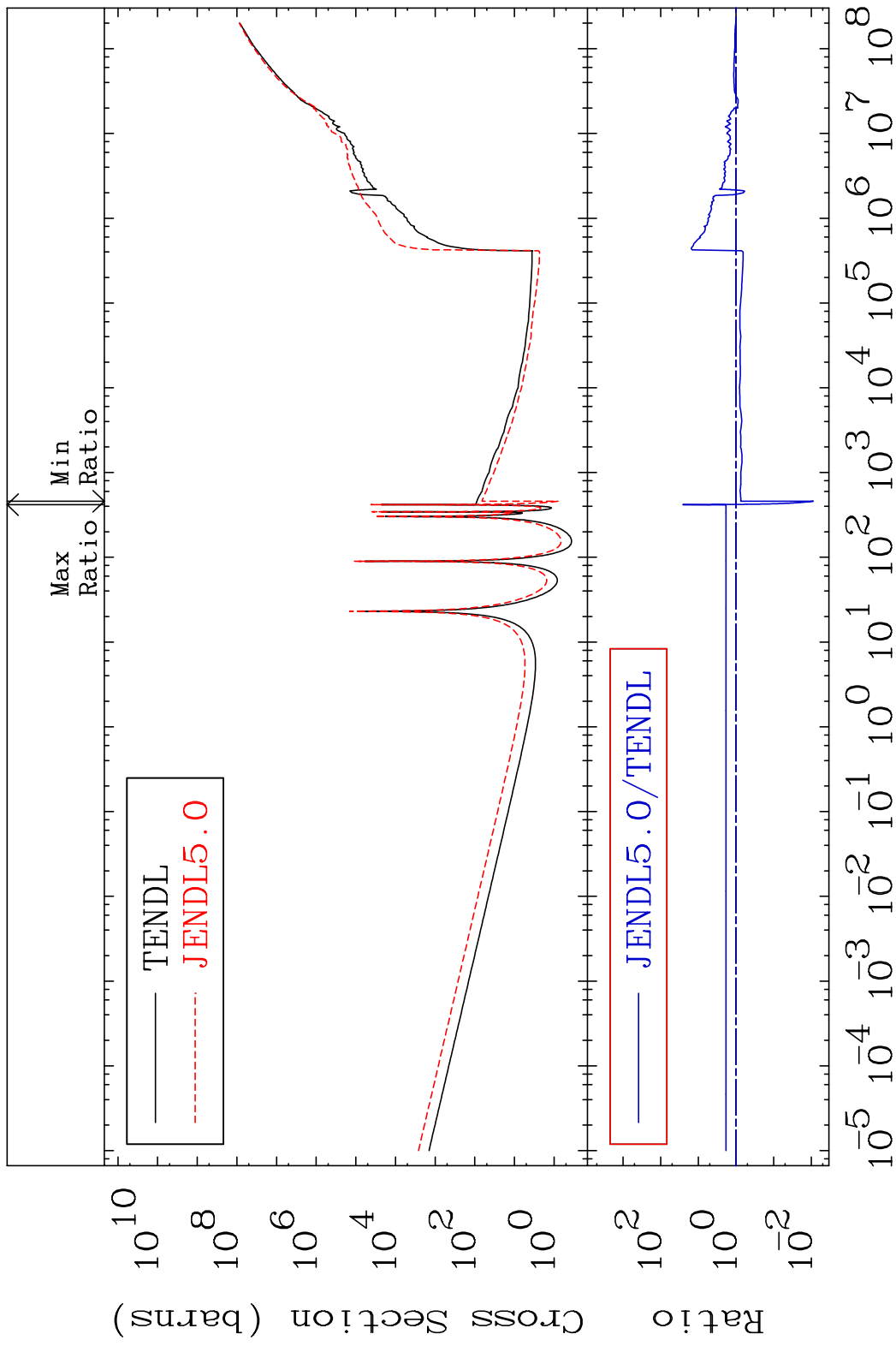


MAT 8031 Kerma elastic 80-Hg-198
 Cross Section -99.66 To 9999. %



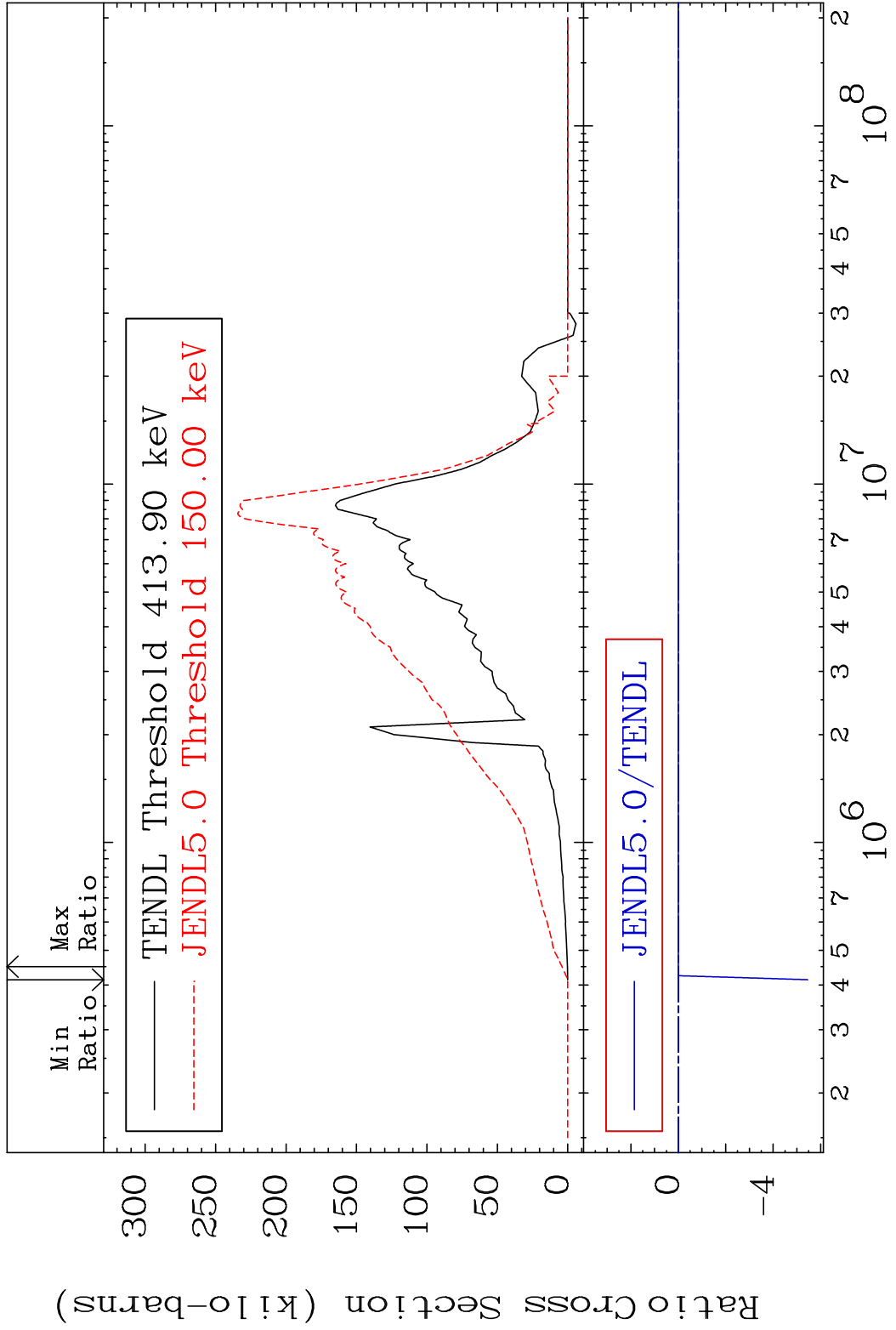
39 Incident Energy (eV) 80-Hg-198

MAT 8031 Kerma non-elastic (all but mt2) 80-Hg-198
 Cross Section -99.10 To 2494. %



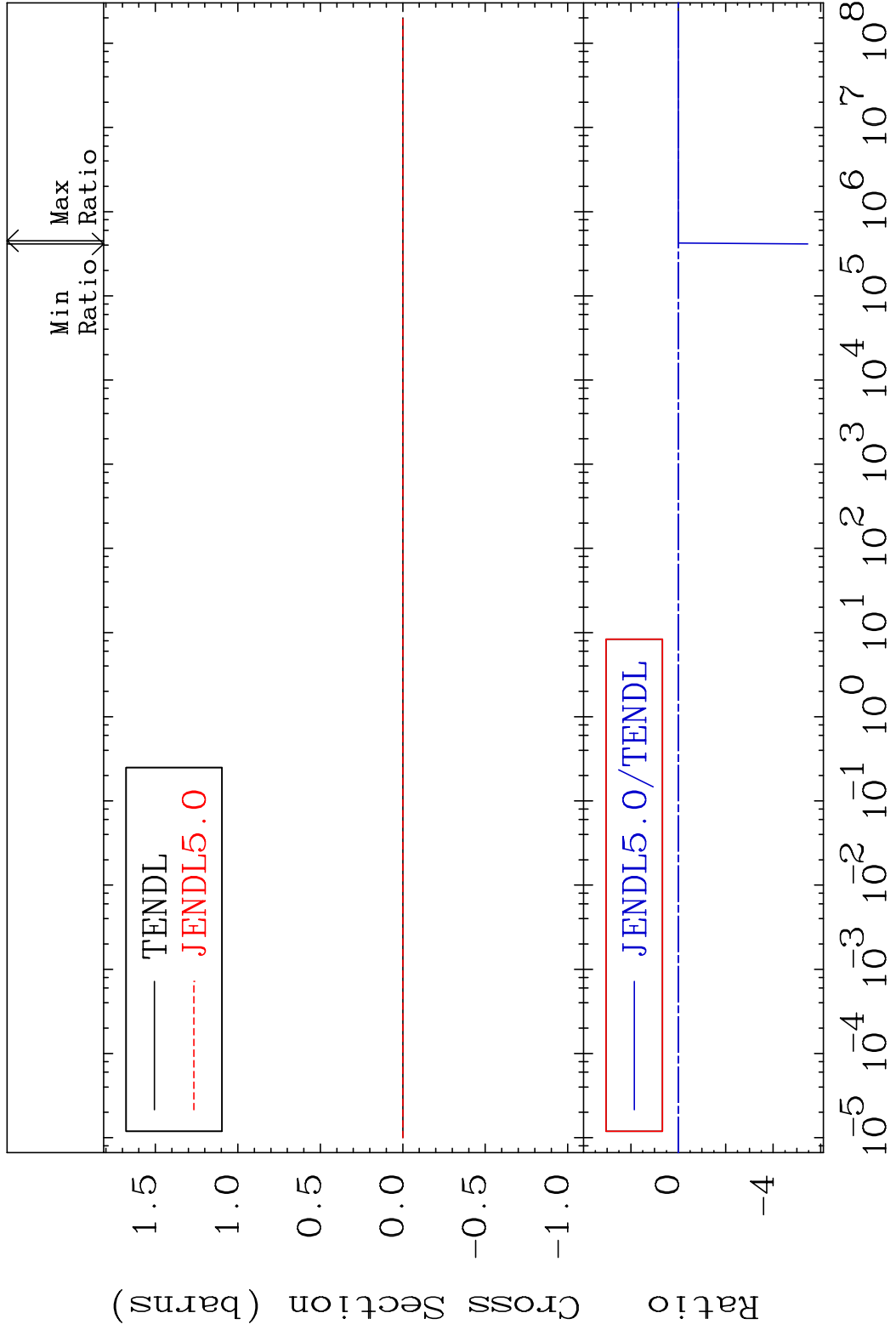
40 Incident Energy (eV) 80-Hg-198

MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198
 Cross Section -9999. To 1464. %



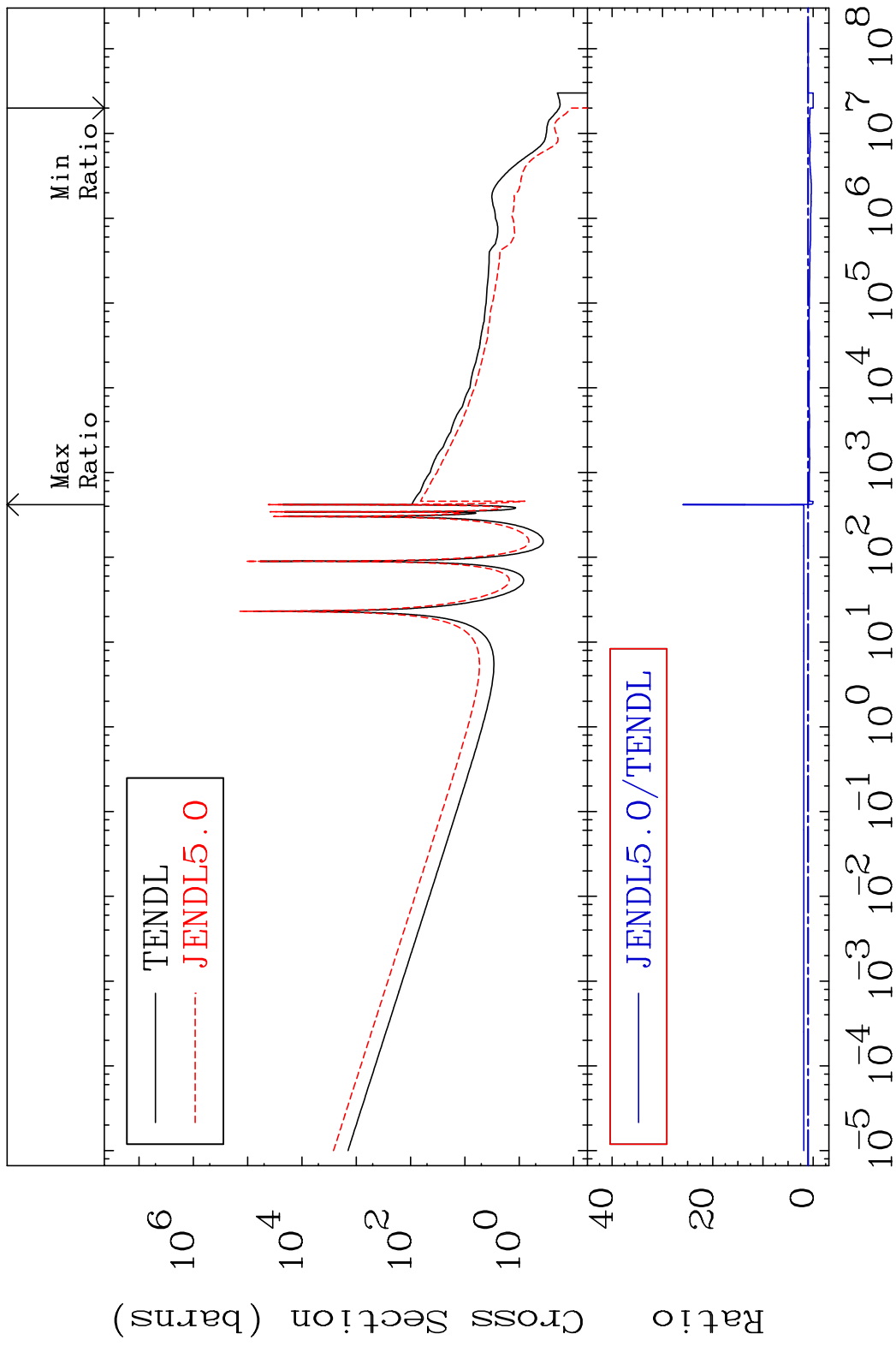
41 Incident Energy (eV) 80-Hg-198

MAT 8031 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-198
 Cross Section -9999. To 1464. %



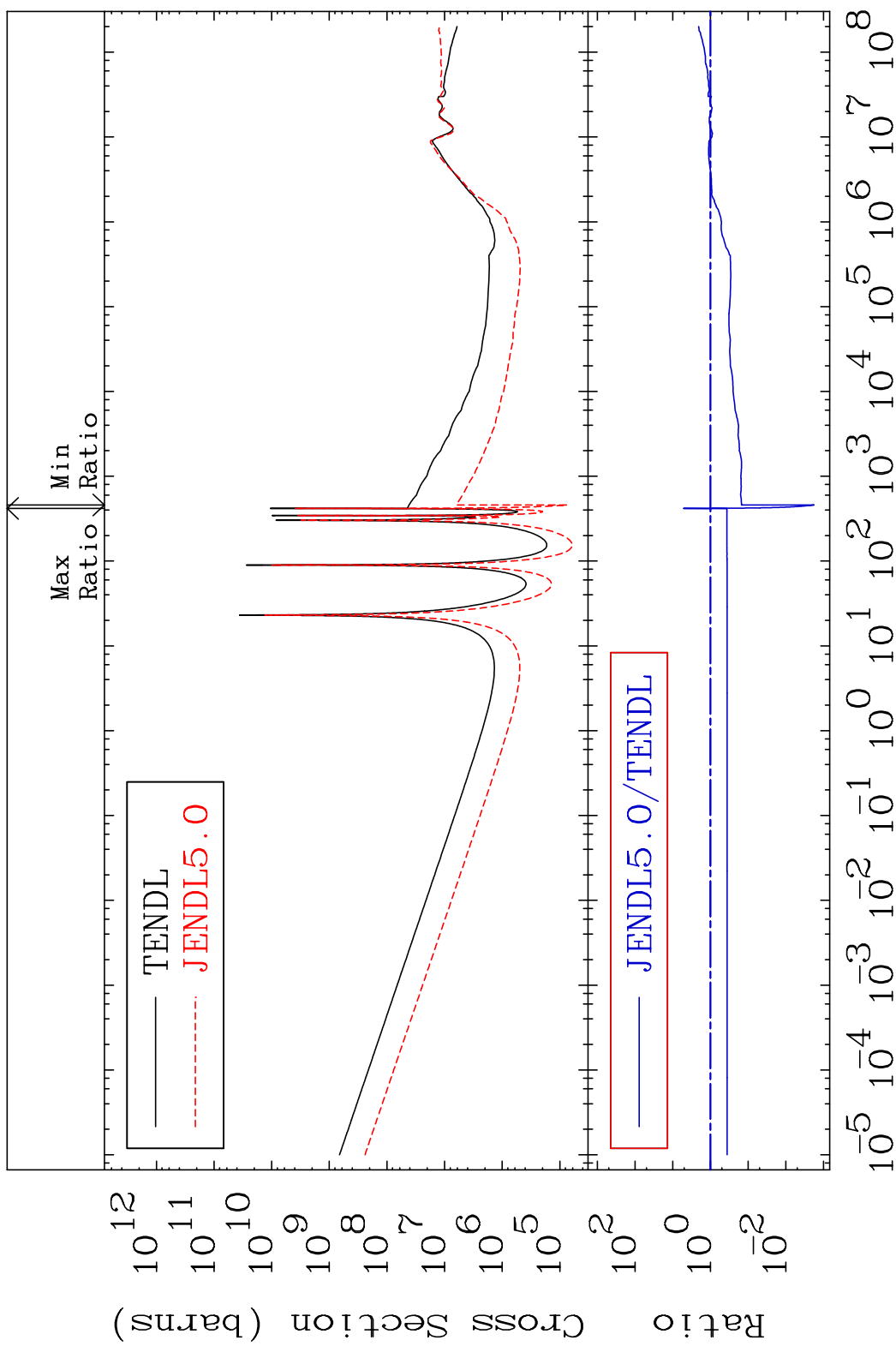
42 Incident Energy (eV) 80-Hg-198

MAT 8031 Kerma capture (mt102) 80-Hg-198
 Cross Section -100.0 To 2494. %



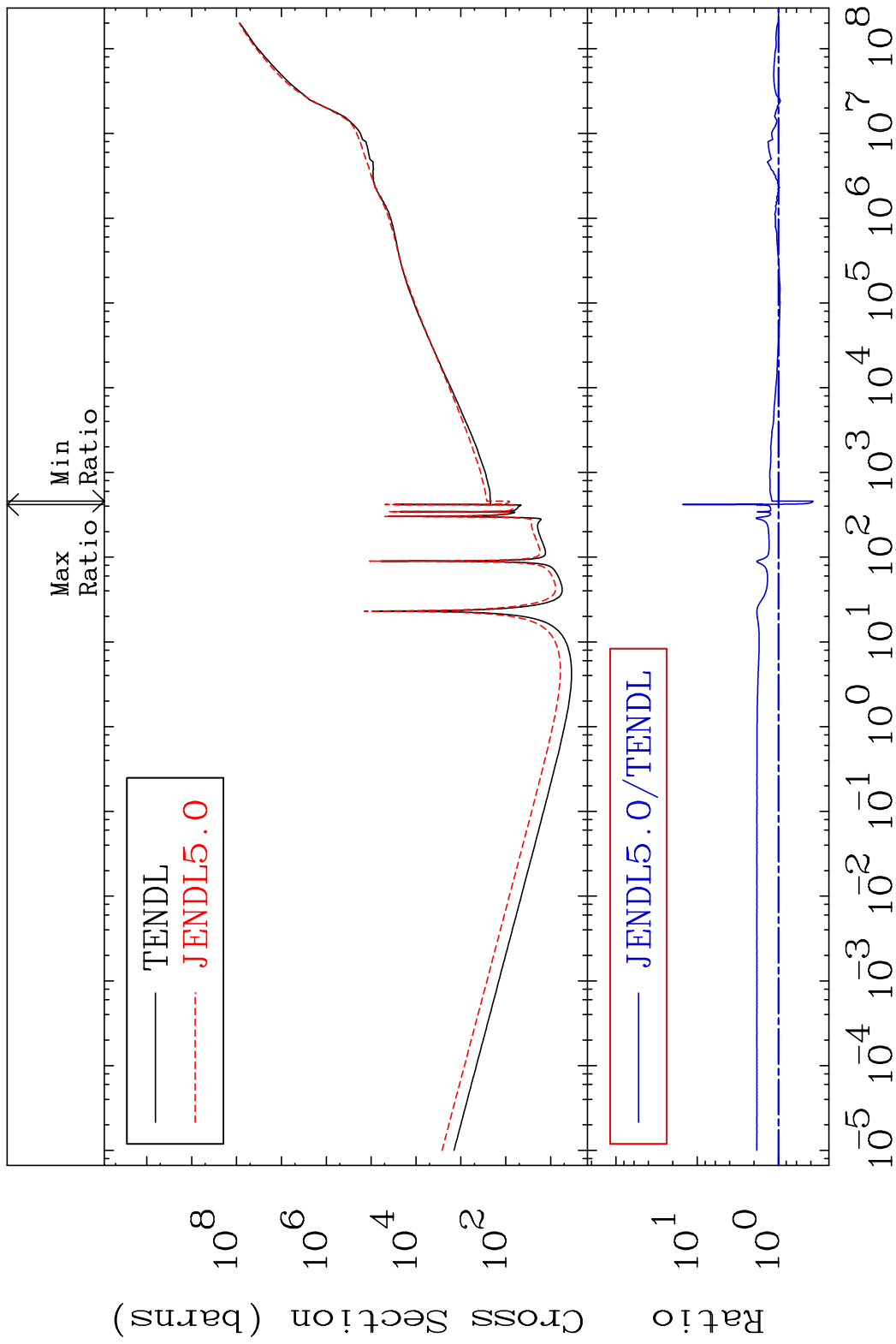
43 Incident Energy (eV) 80-Hg-198

MAT 8031 Total photon (eV-barns) 80-Hg-198
 Cross Section -99.82 To 419.4 %



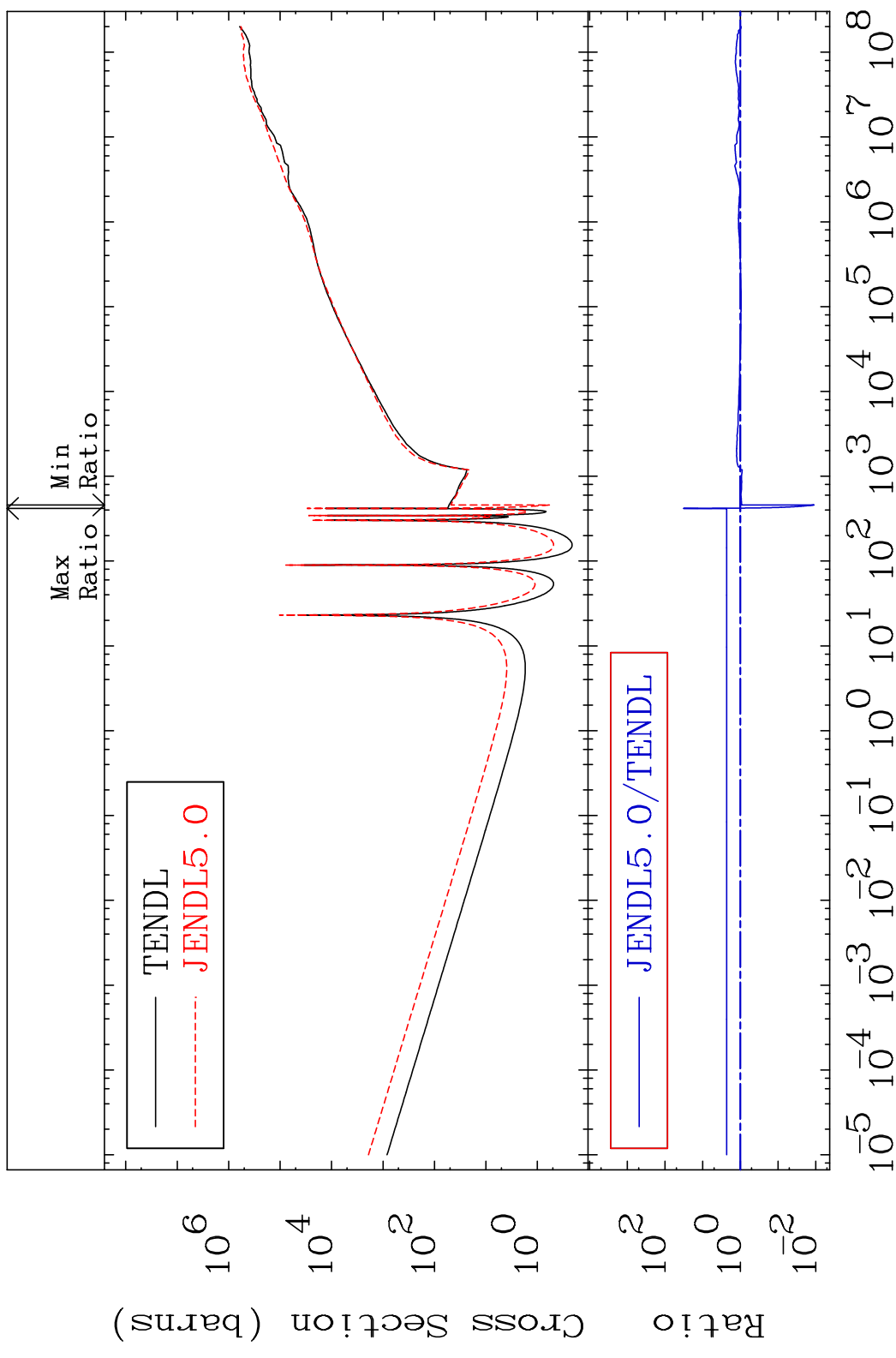
44 Incident Energy (eV) 80-Hg-198

MAT 8031 Total kinematic kerma (high limit) 80-Hg-198
 Cross Section -62.54 To 1406. %



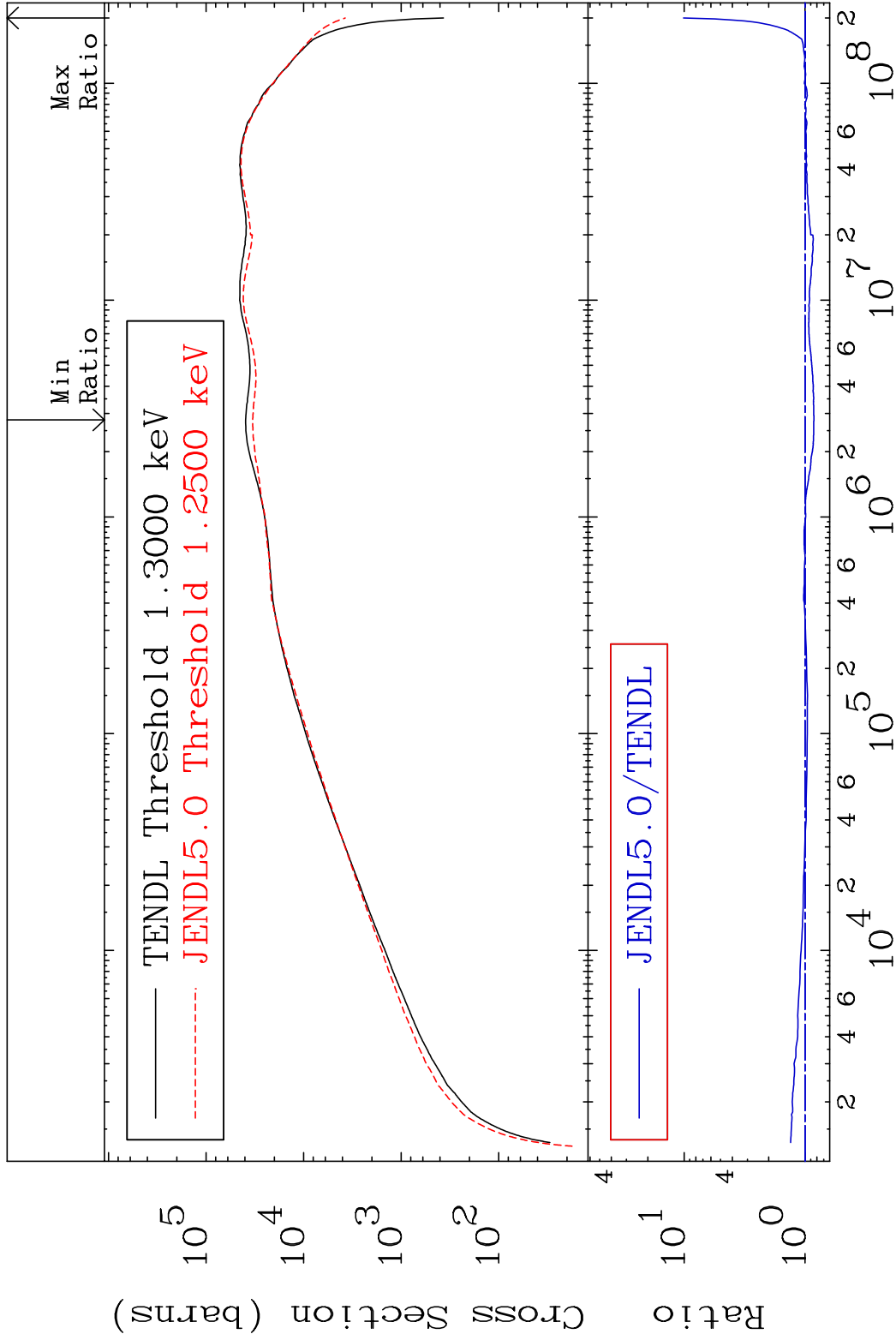
45 Incident Energy (eV) 80-Hg-198

MAT 8031 Dpa total (eV-barns) 80-Hg-198
 Cross Section -98.88 To 3130. %

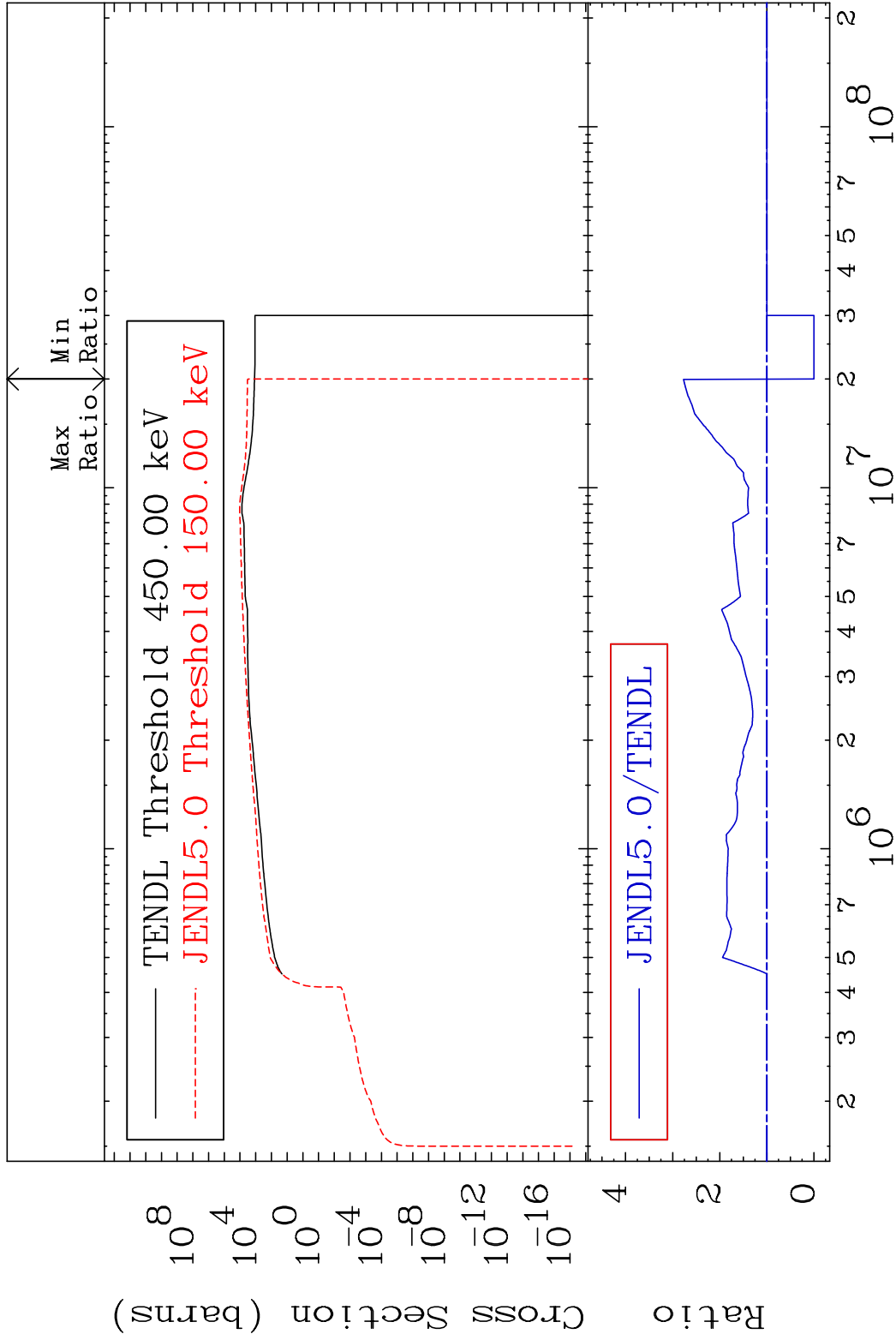


46 Incident Energy (eV) 80-Hg-198

MAT 8031 Dpa elastic (mt2) 80-Hg-198
 Cross Section -15.38 To 913.5 %

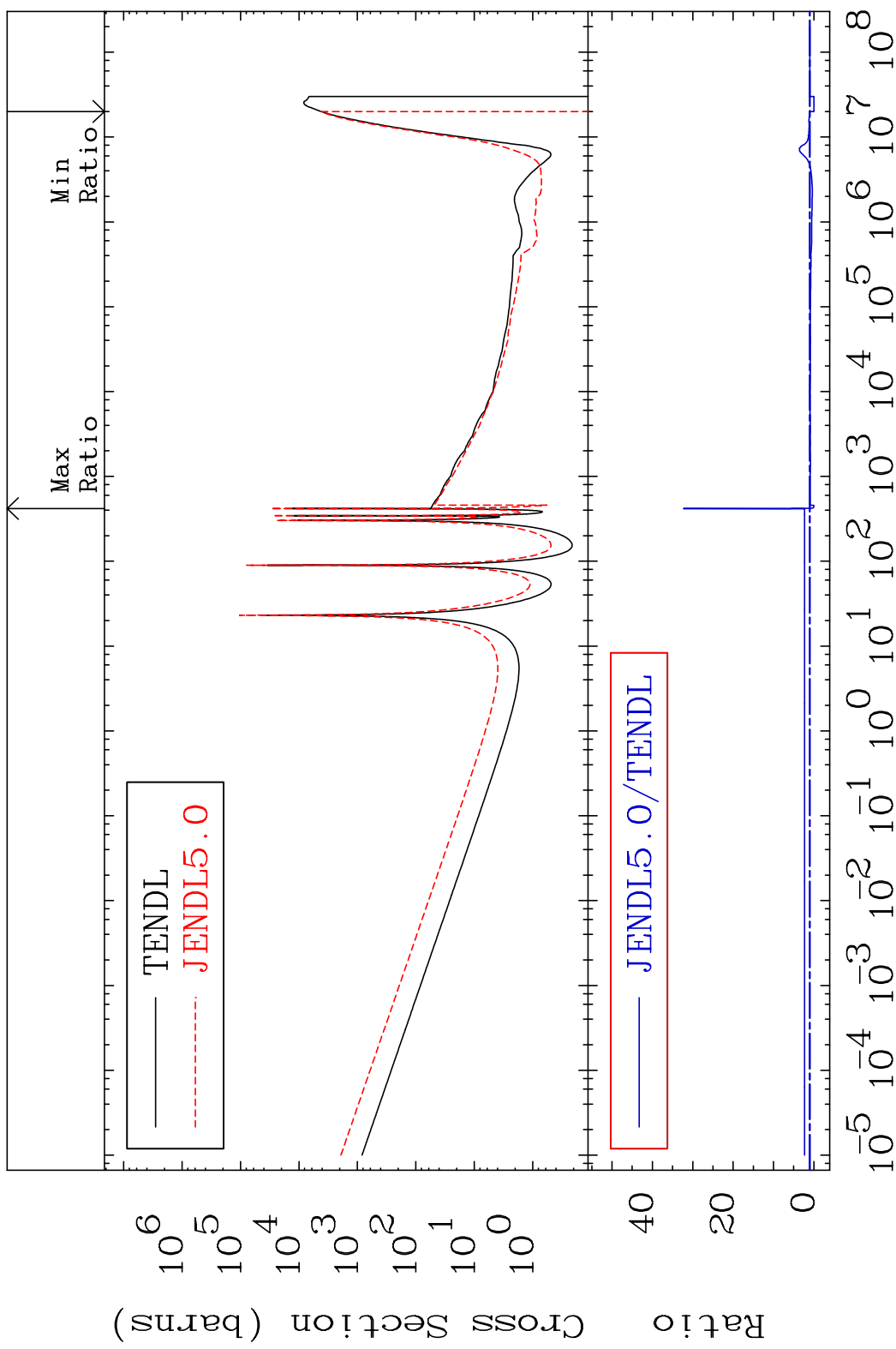


MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198
 Cross Section -100.0 To 177.1 %



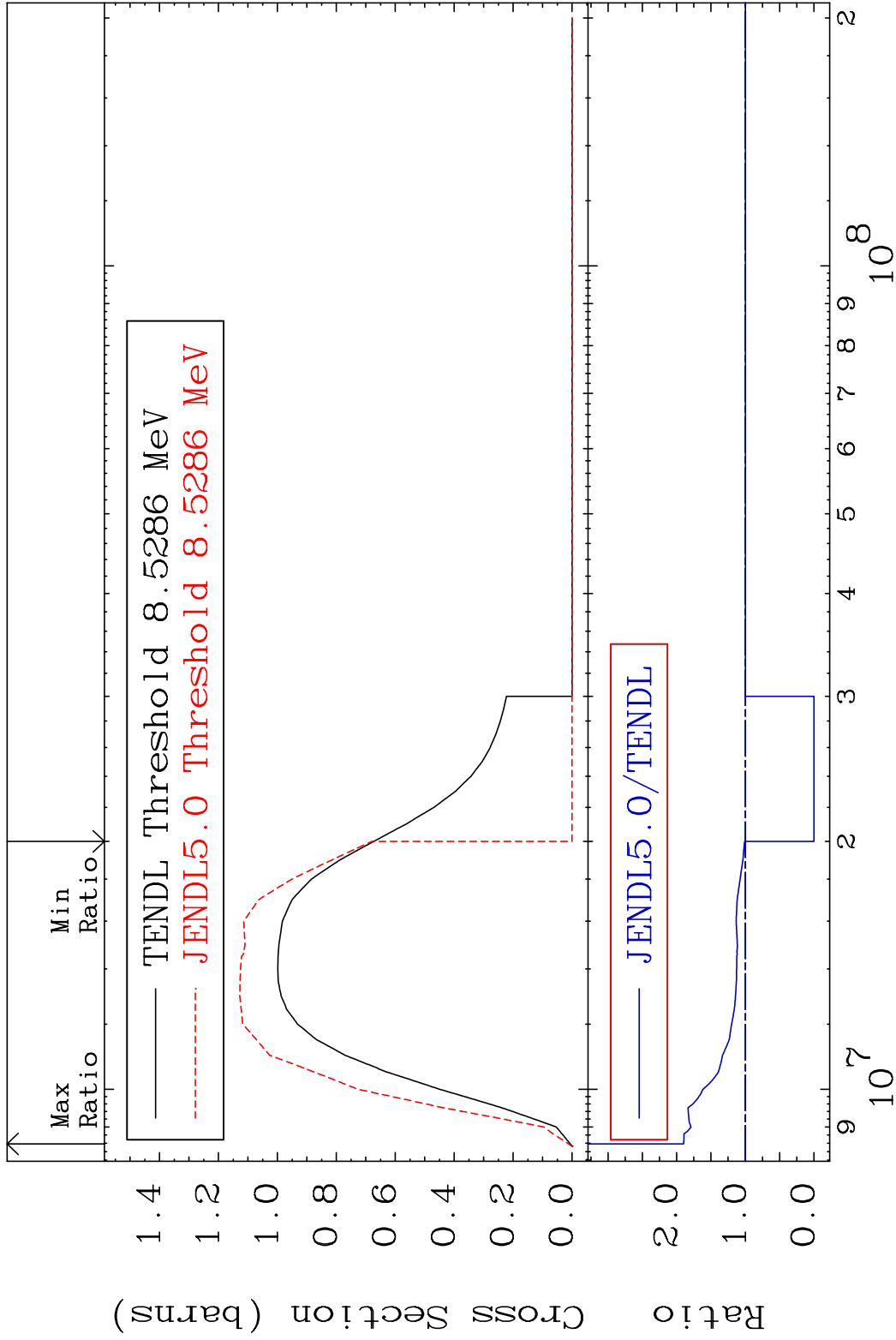
48 Incident Energy (eV) 80-Hg-198

MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -100.0 To 3130. %

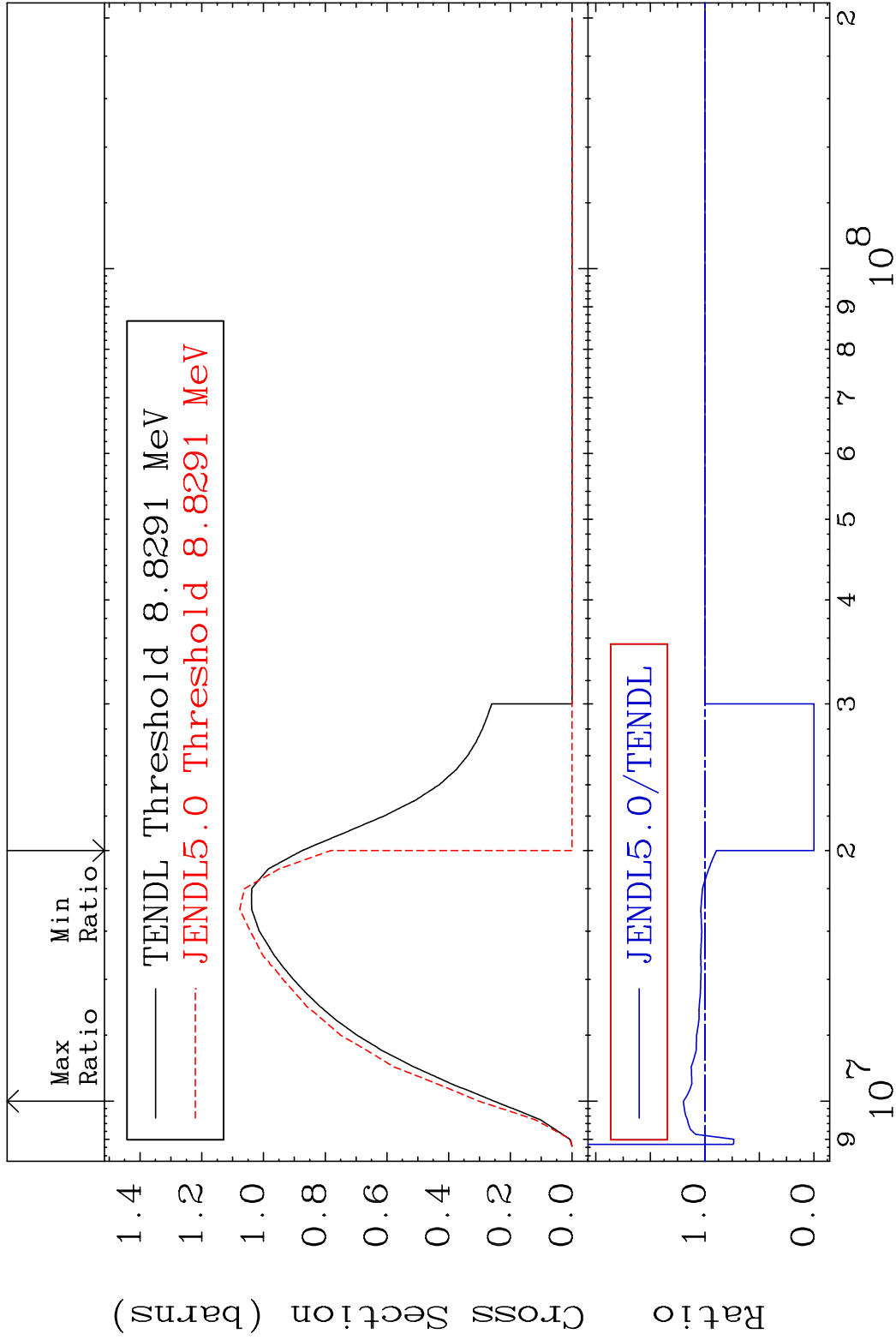


49 Incident Energy (eV) 80-Hg-198

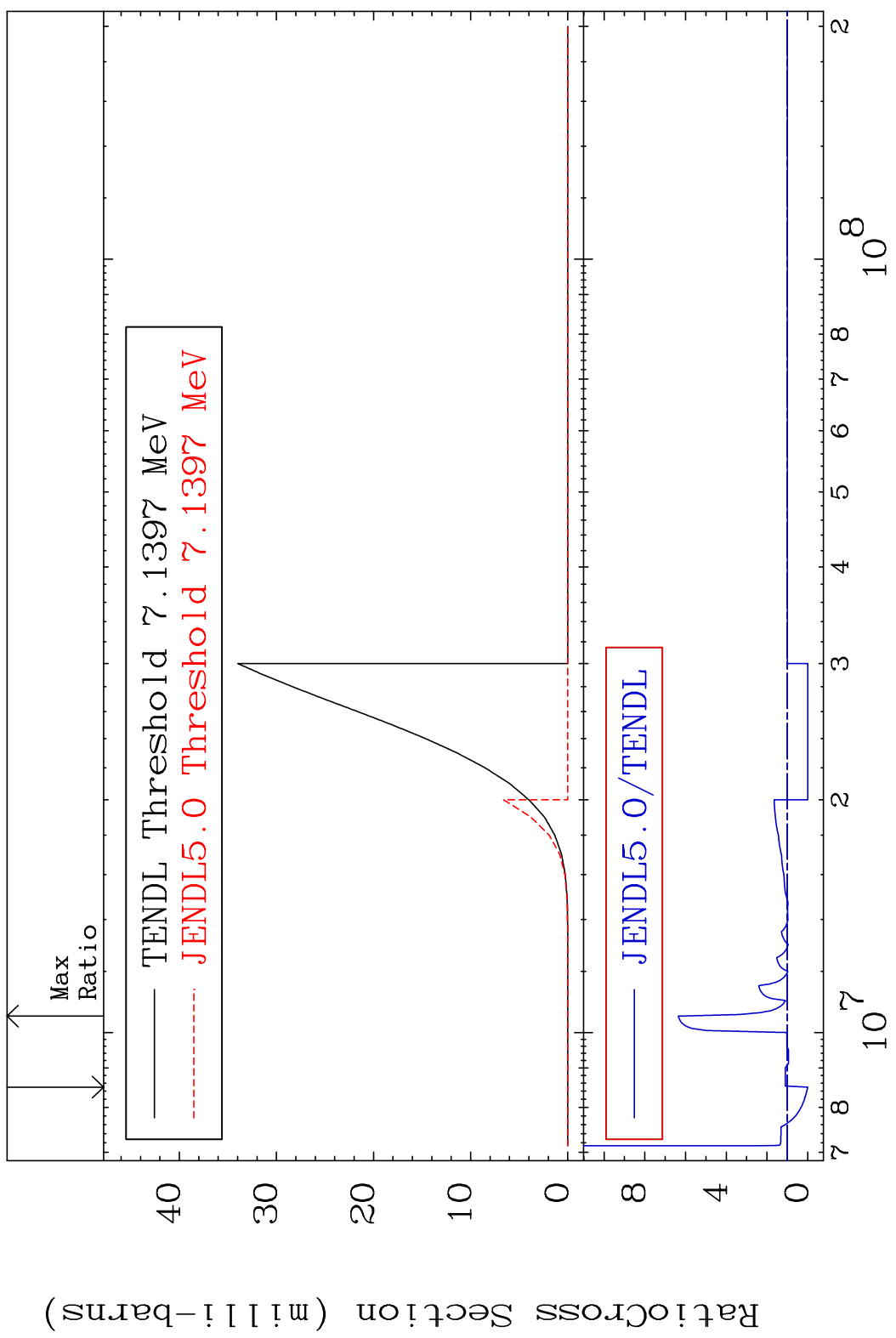
MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section 180000 dpo 90.15 %



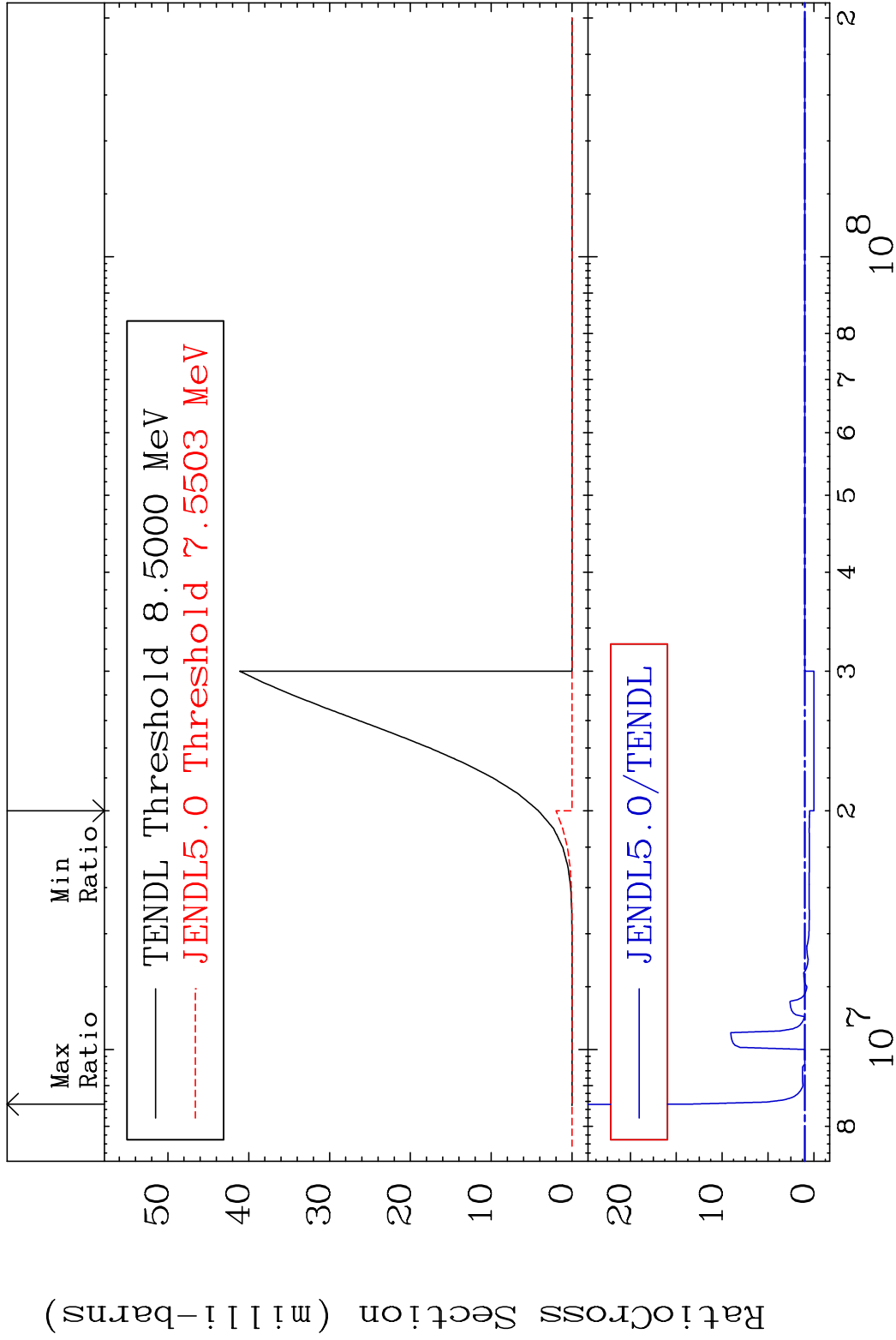
50 80-Hg-198

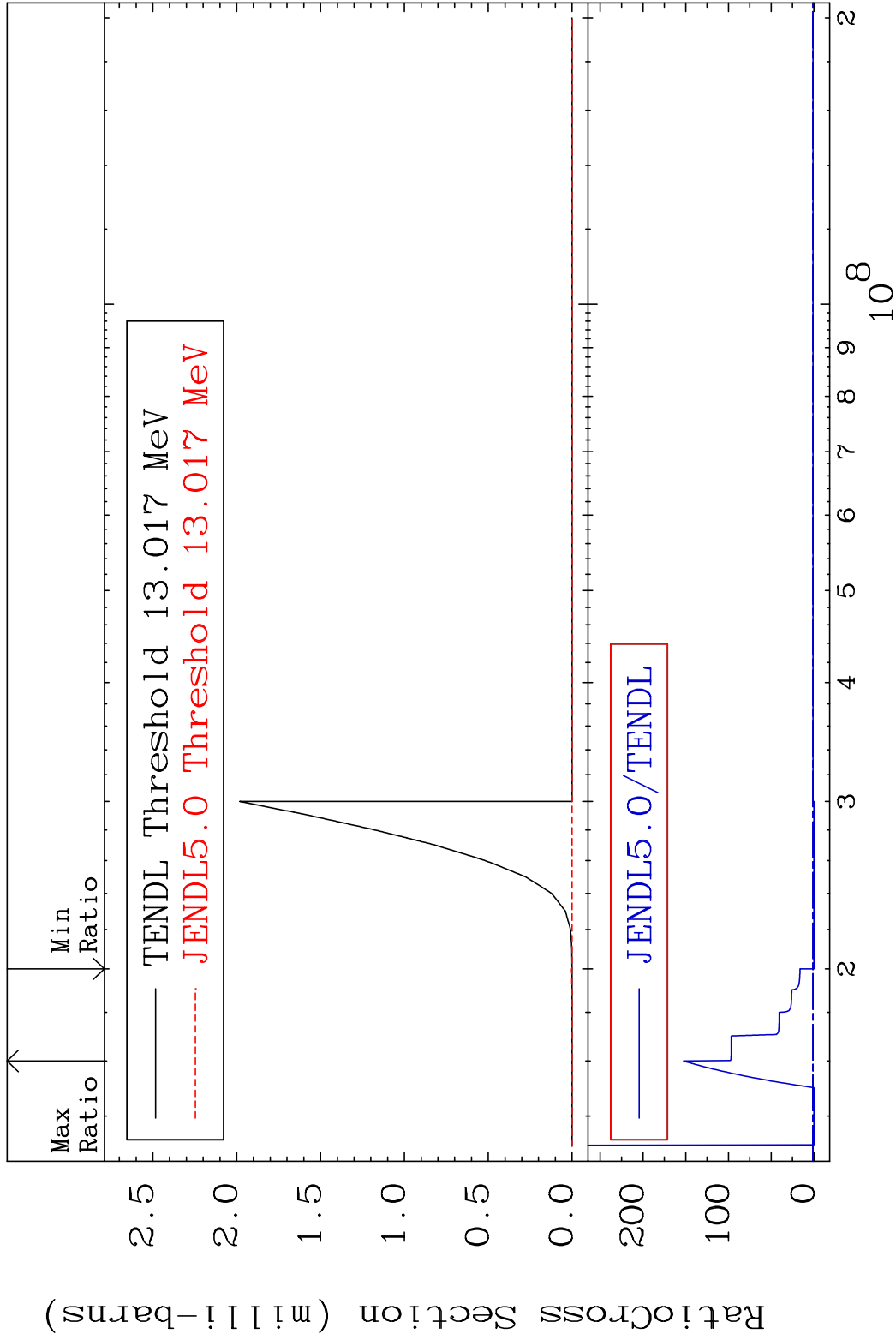


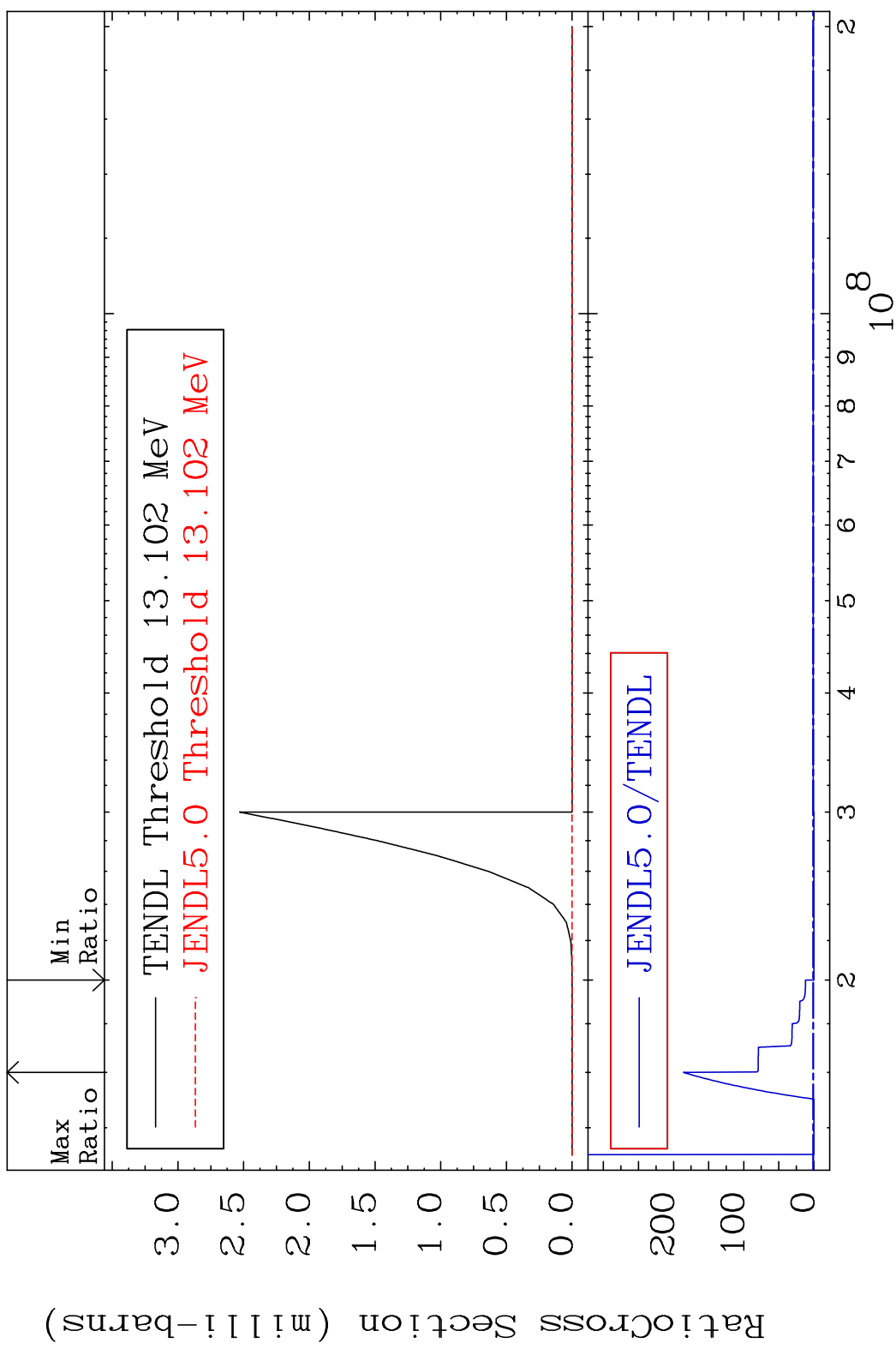
MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 180000 to 535.7 %

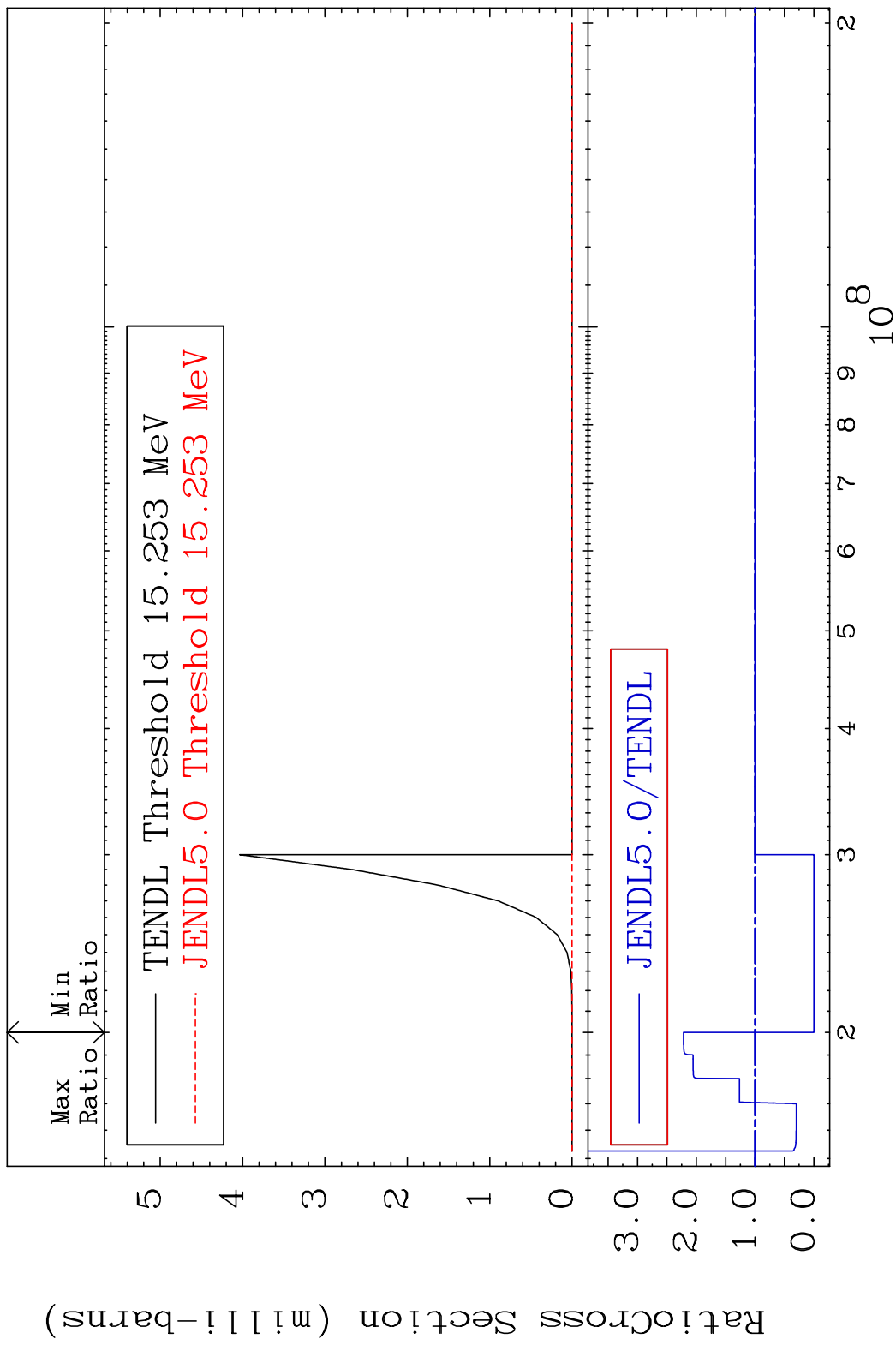


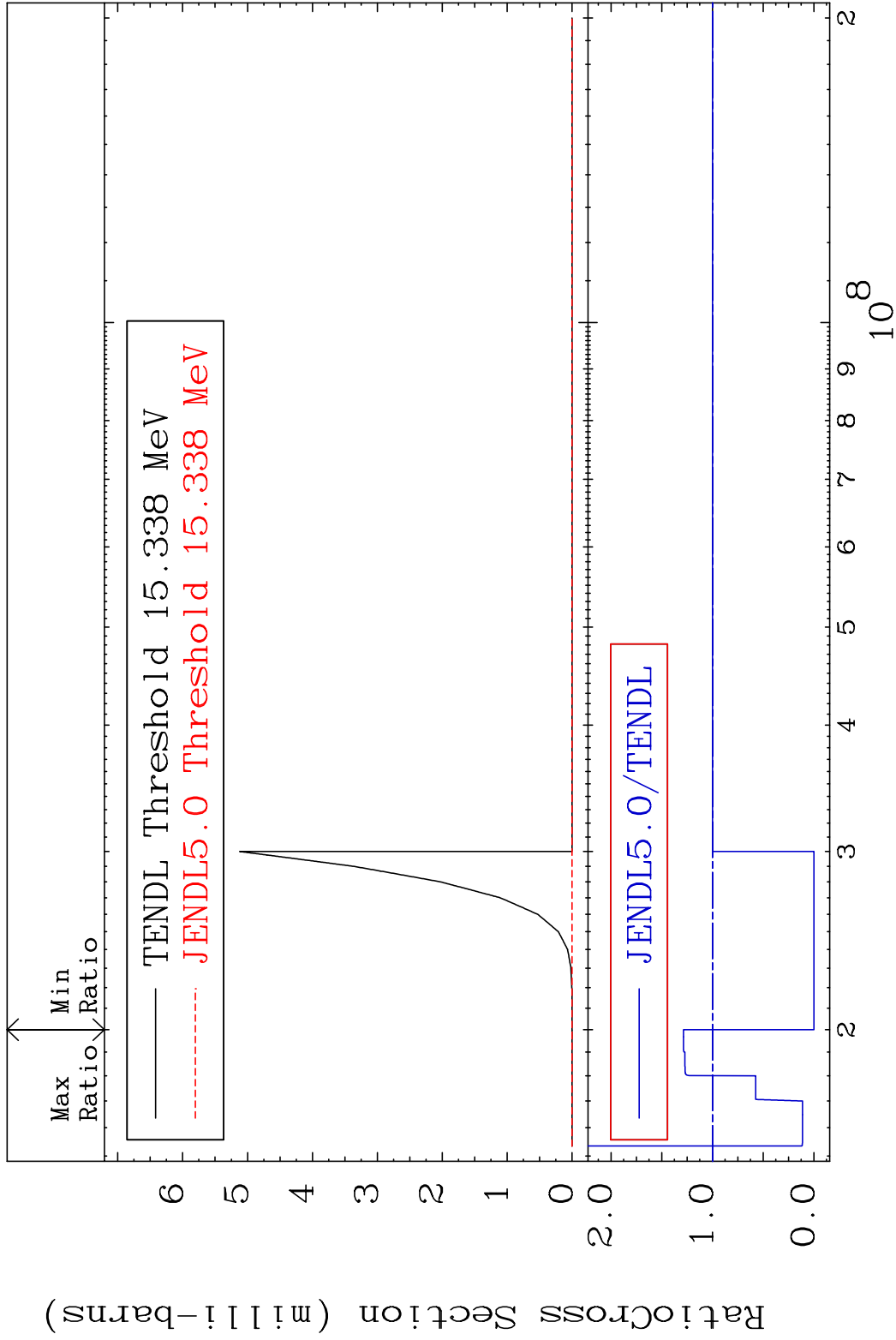
52 Incident Energy (eV) 80-Hg-198



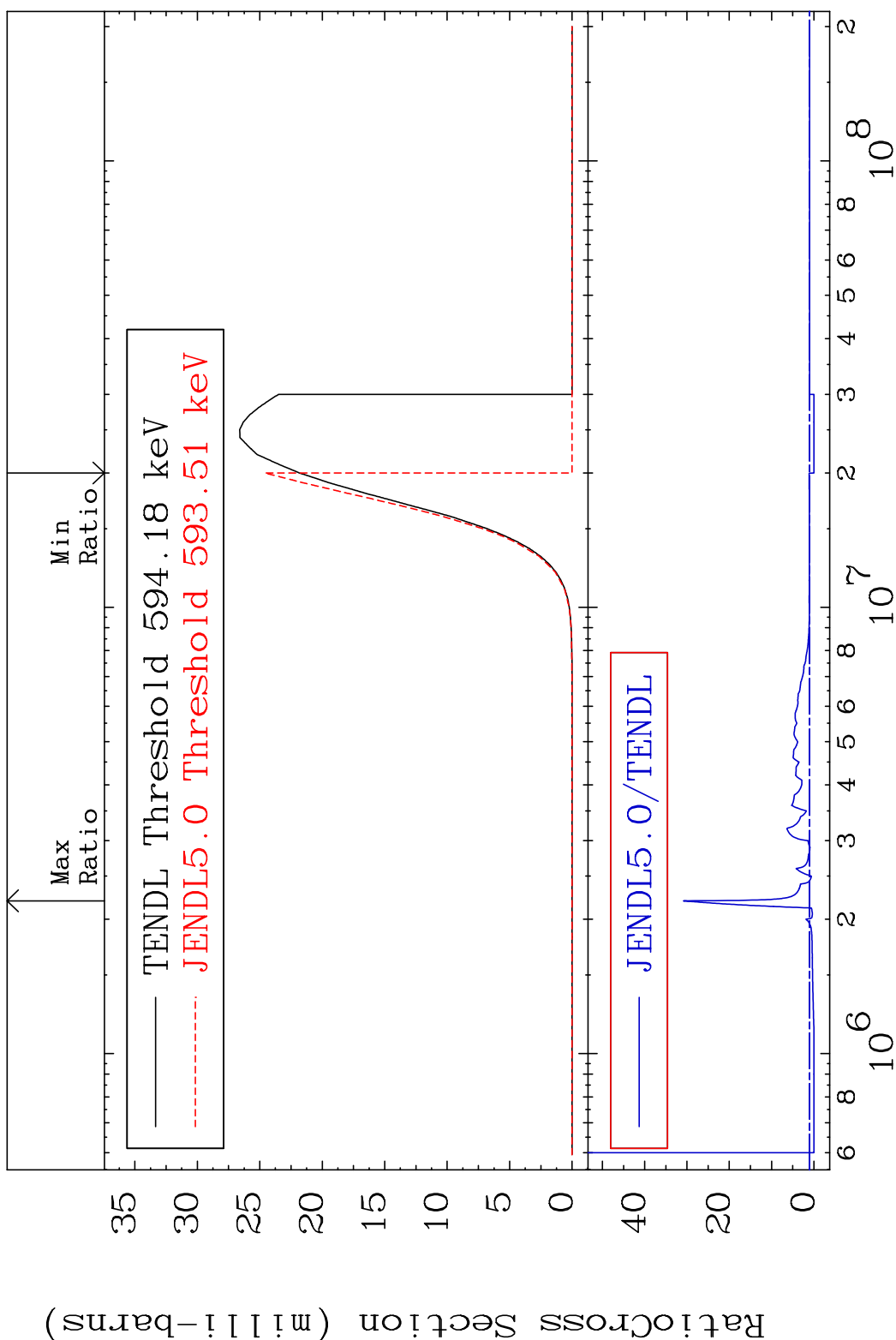






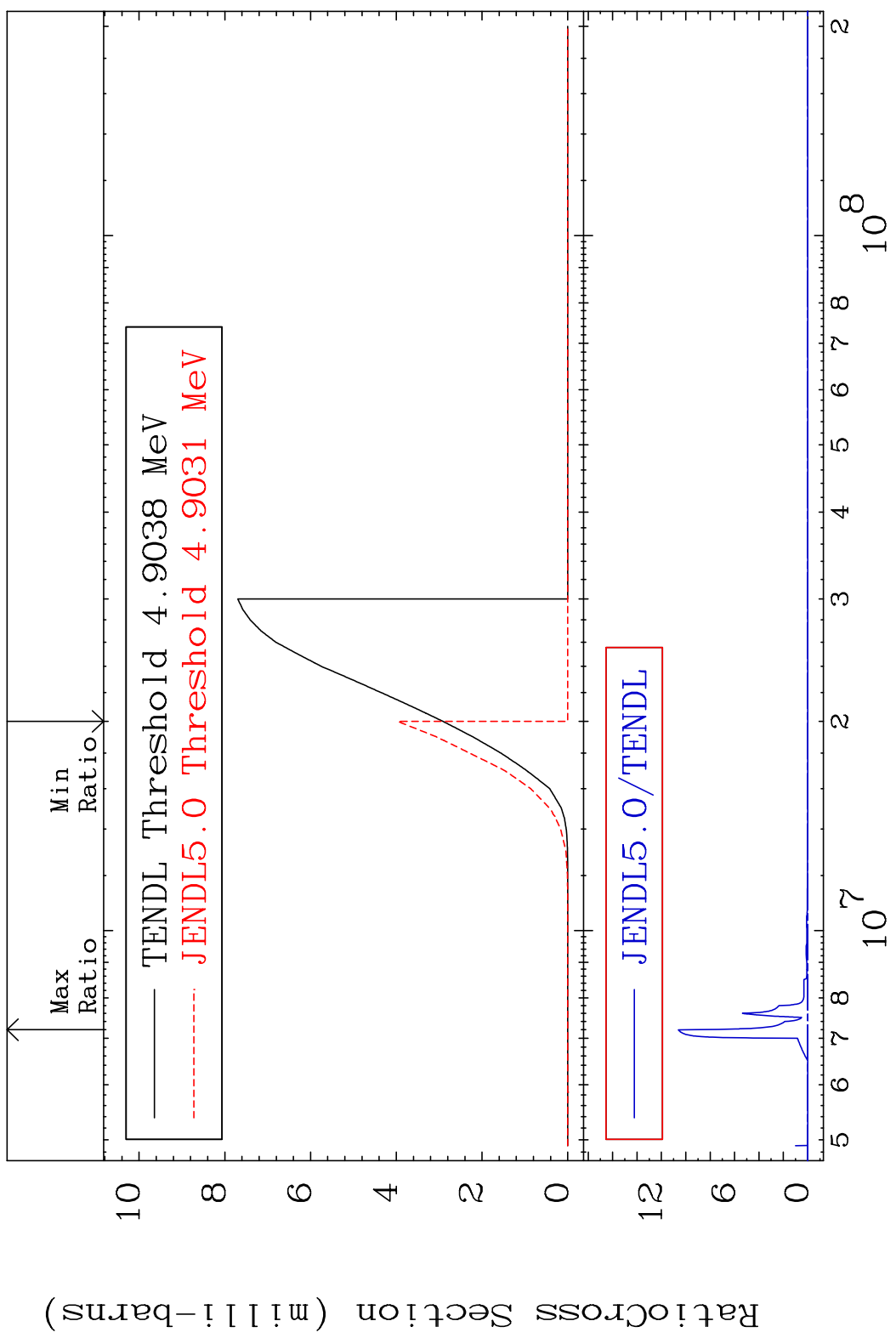


MAT 8031 (n,p):79-Au-198g 80-Hg-198
 Radionuclide Production Cross Section 18000i dfo 2984. %

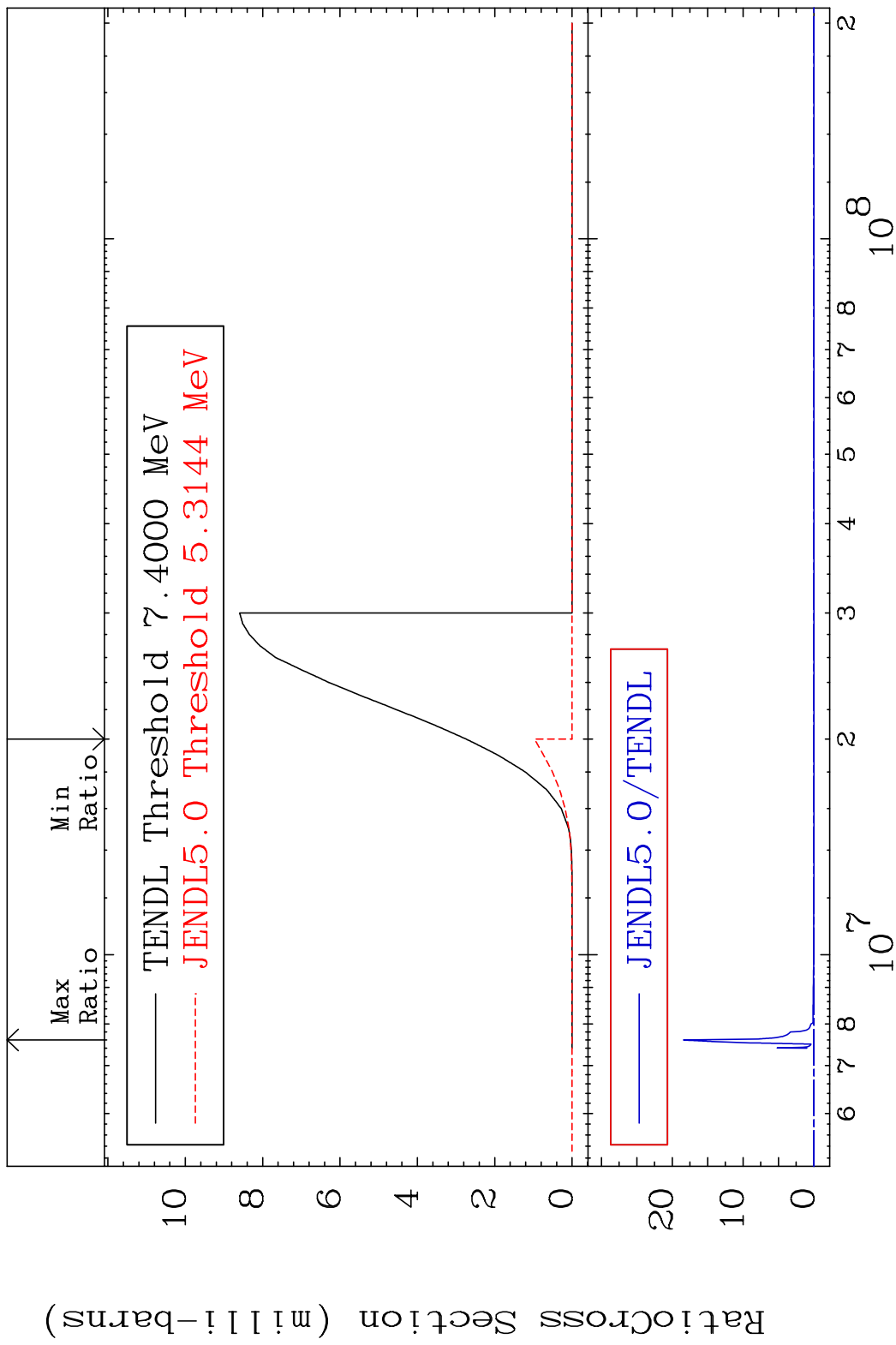


58 Incident Energy (eV) 80-Hg-198

MAT 8031 (n,d):79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 180000 to 9999. %

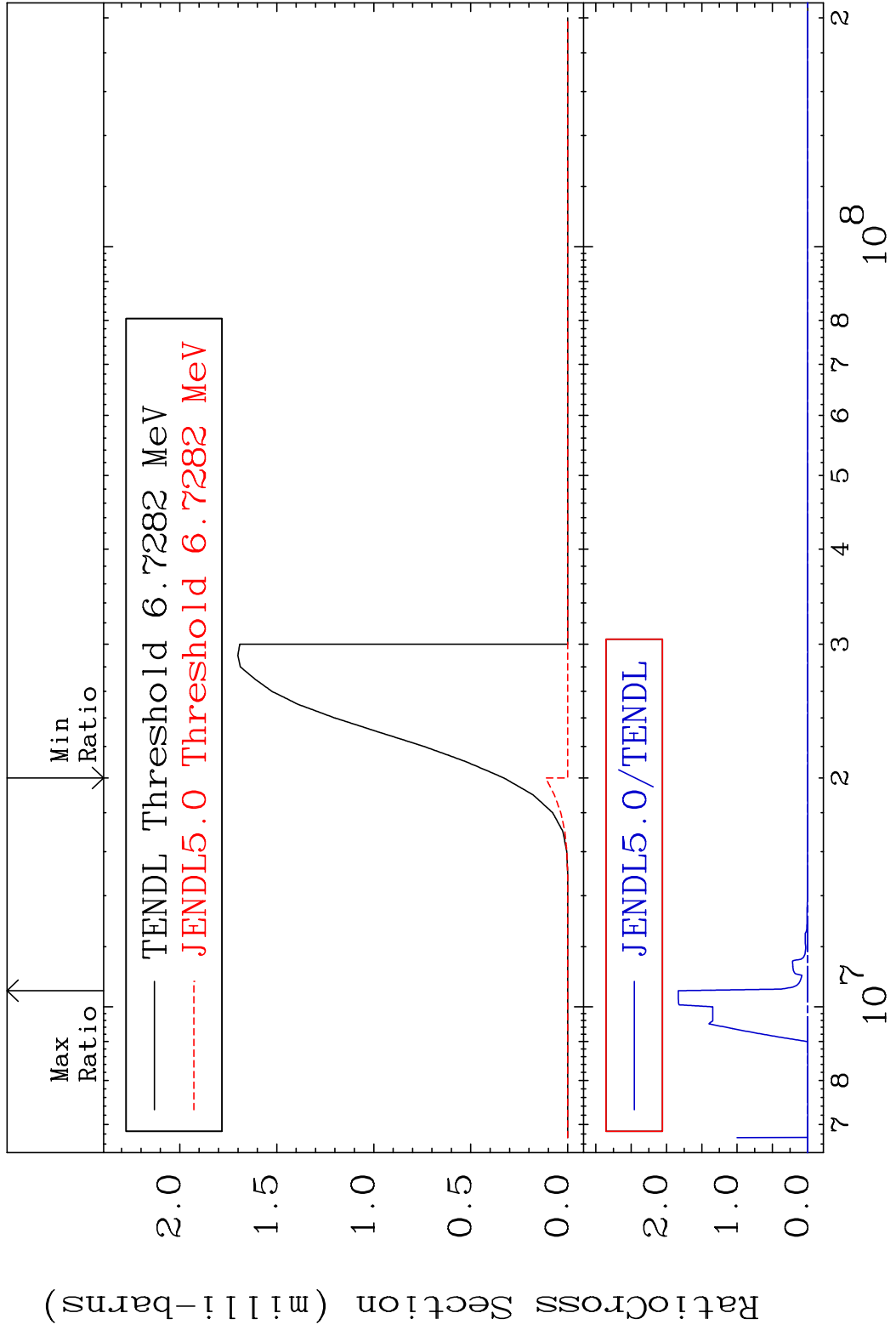


MAT 8031 (n, d):79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section 180000 d0 9999. %



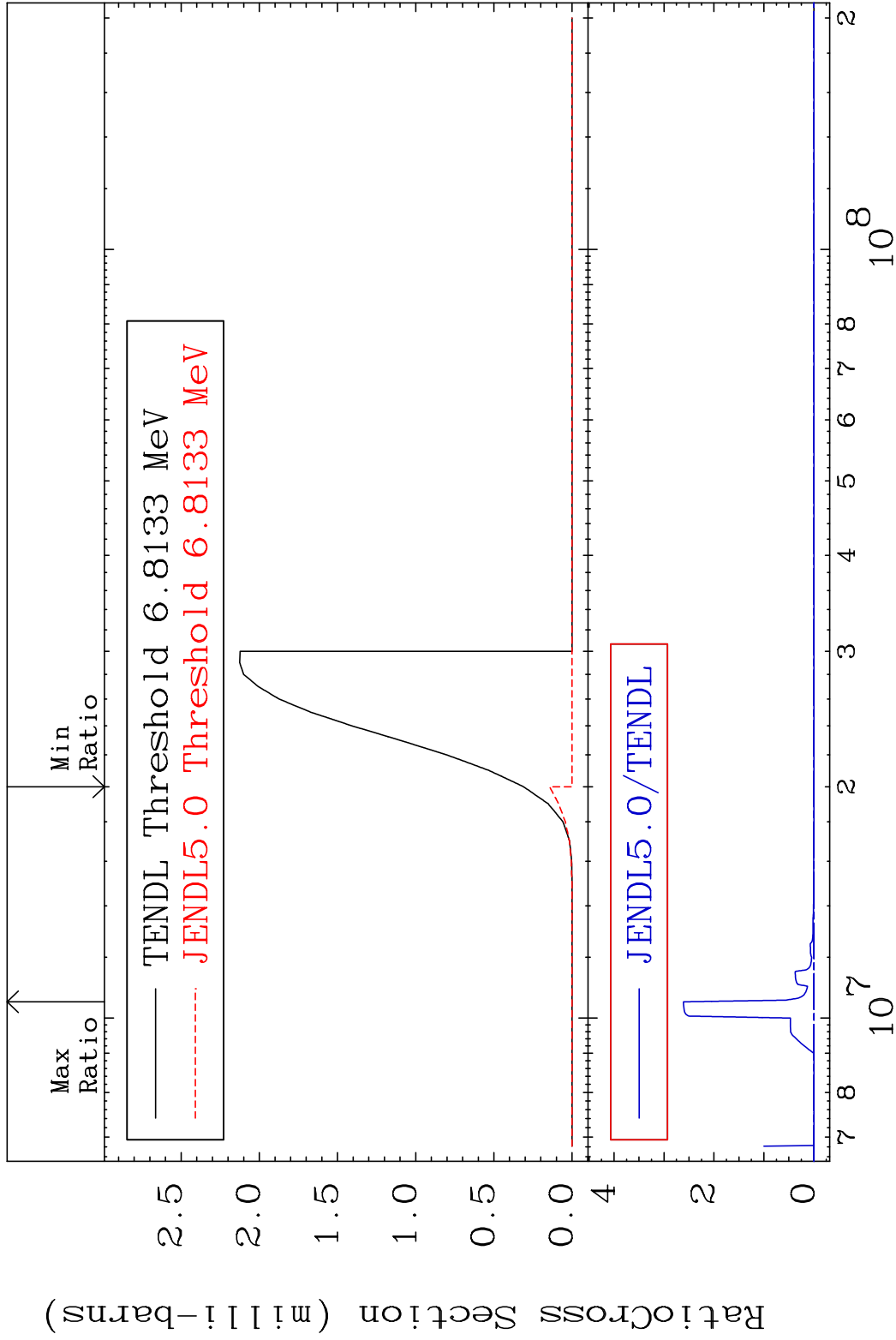
60 Incident Energy (eV) 80-Hg-198

MAT 8031 (n,t):79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section 180000 dth 9999. %



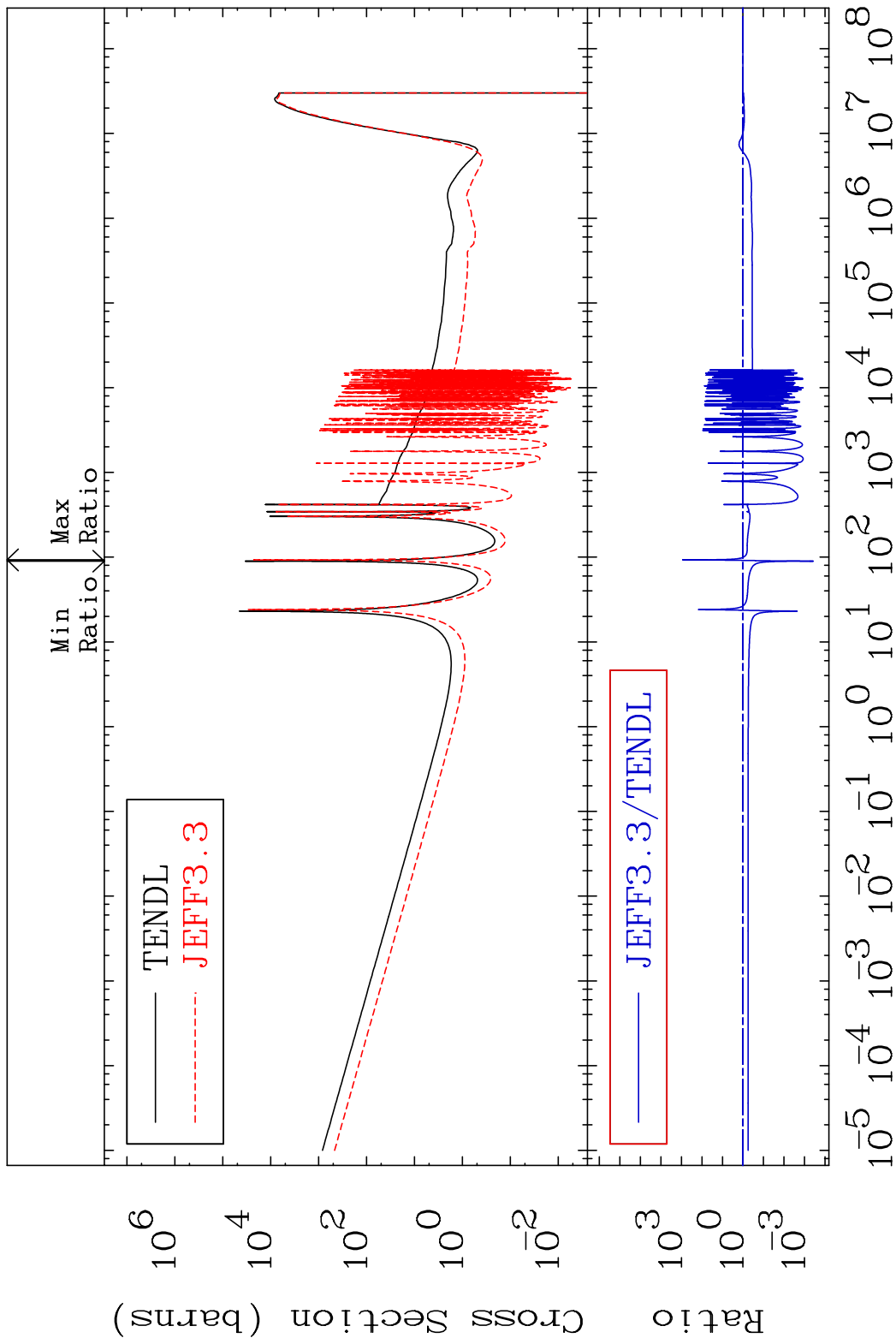
61 Incident Energy (eV) 80-Hg-198

MAT 8031 (n, t): 79-Au-196m3 80-Hg-198
 Radionuclide Production Cross Section 180000 dth 9999. %



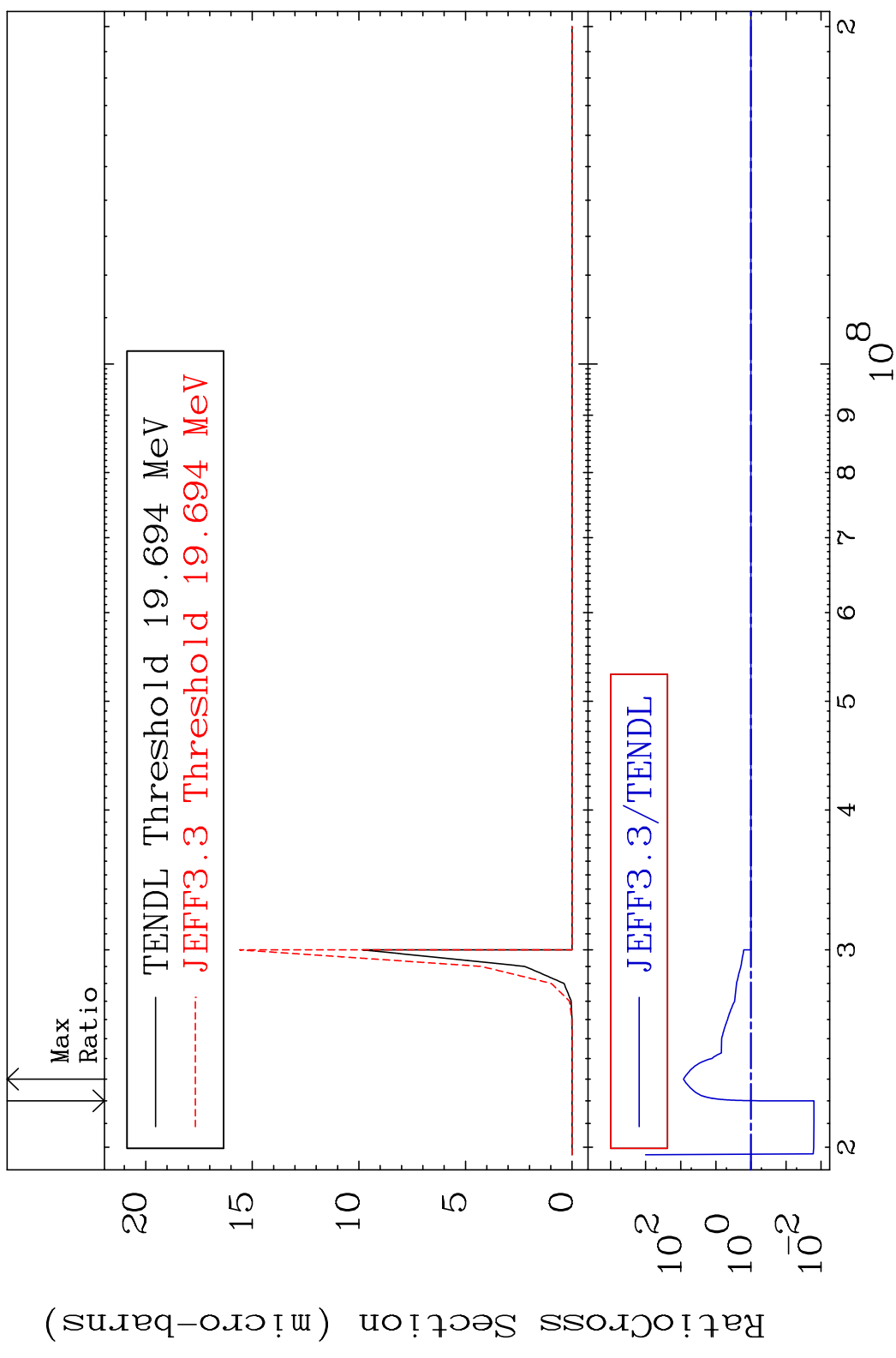
62 Incident Energy (eV) 80-Hg-198

MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -99.96 To 9999. %



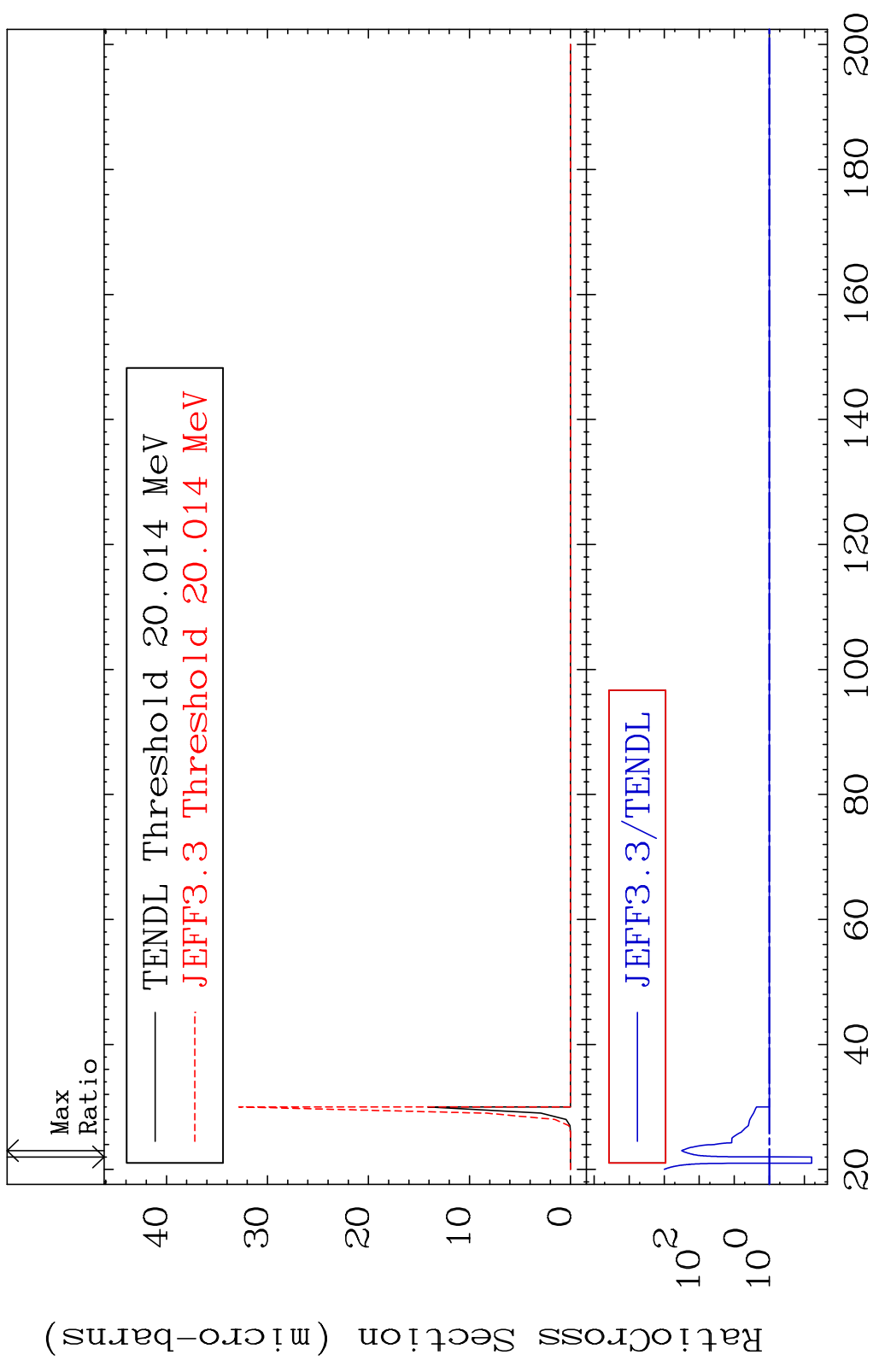
63 Incident Energy (eV) 80-Hg-198

MAT 8031 (n,2n) d:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 98e40i d1o 8267. %



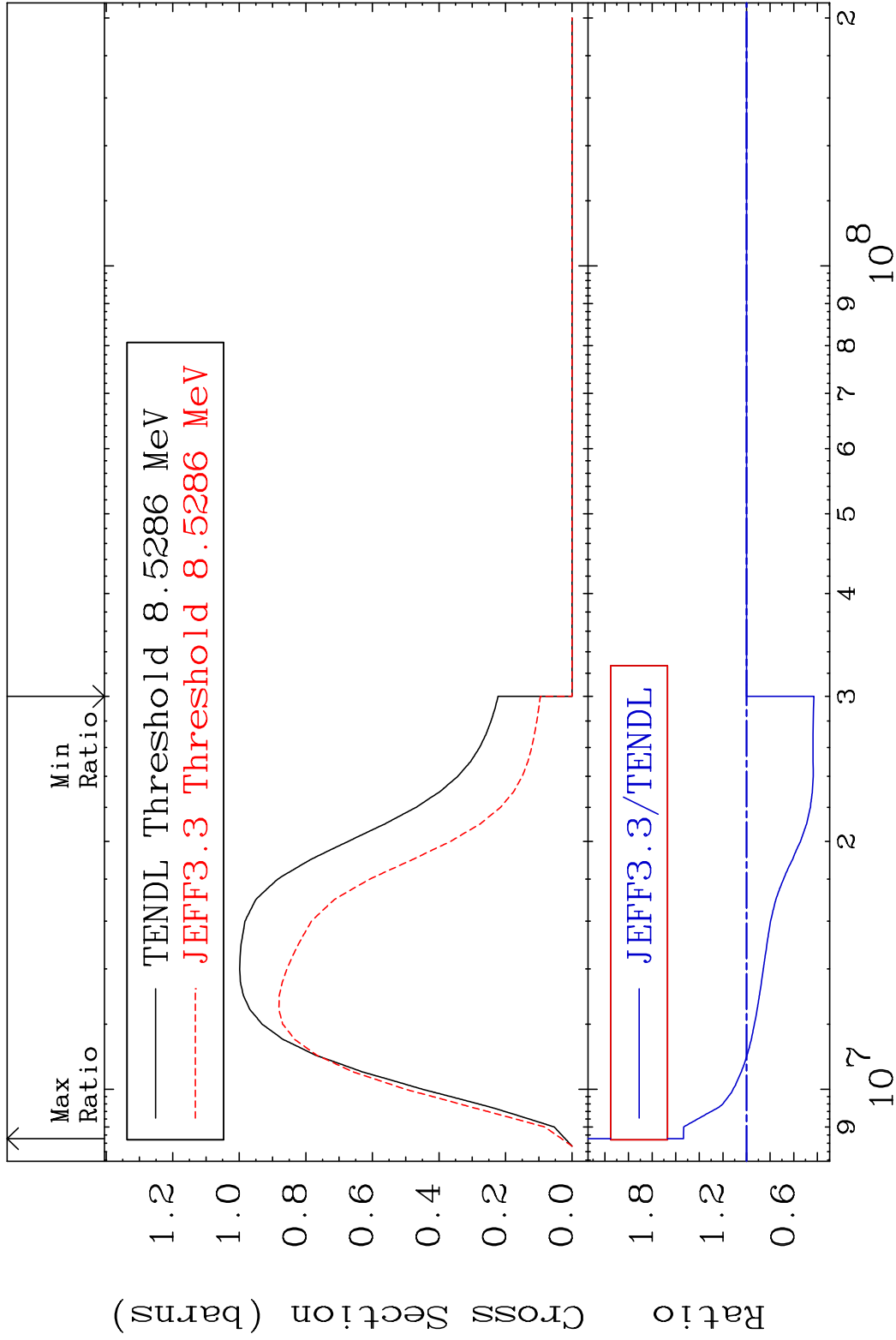
64 Incident Energy (eV) 80-Hg-198

MAT 8031 (n,2n) d:79-Au-195m4 80-Hg-198
 Radionuclide Production Cross Section 9999. %



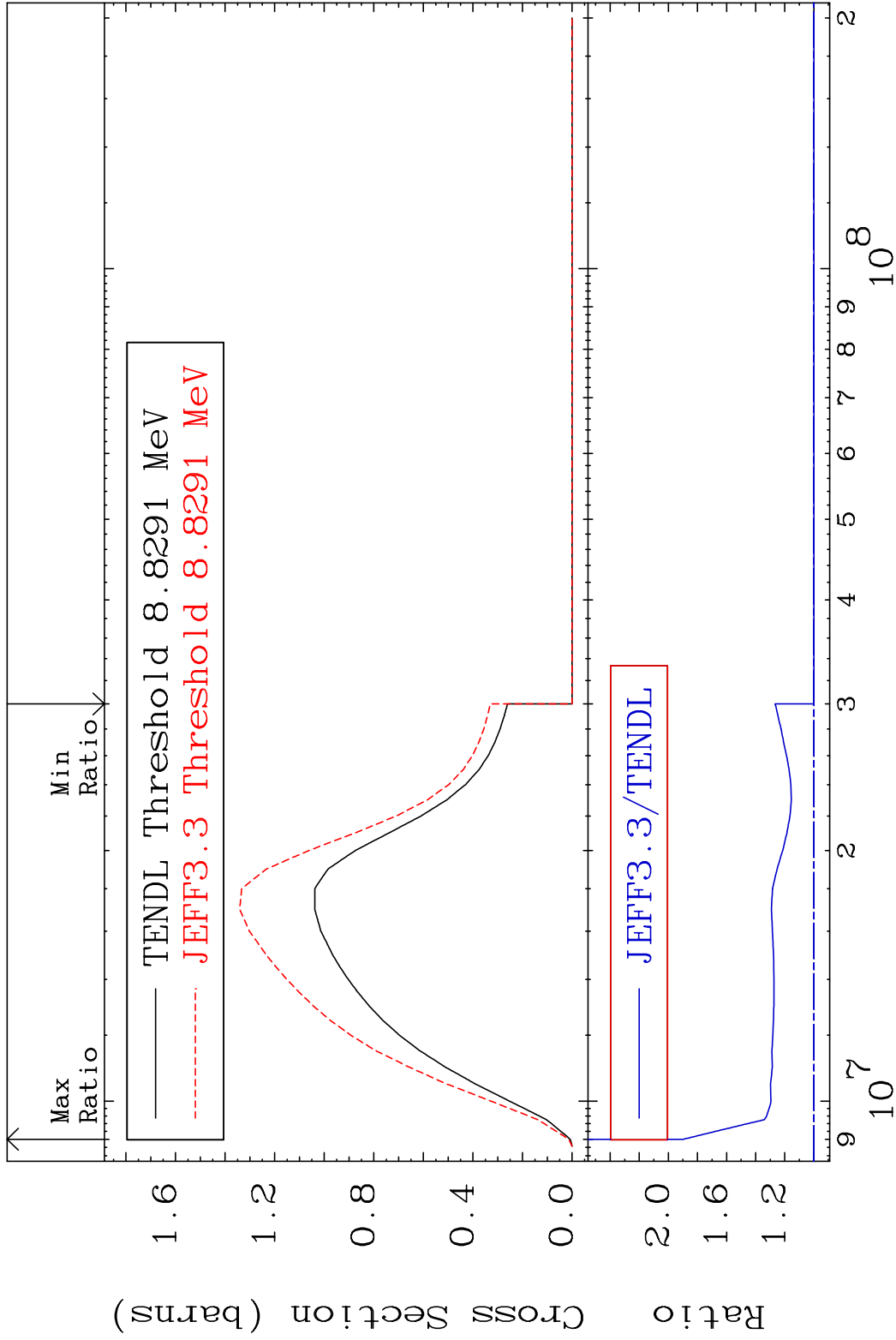
65 Incident Energy (MeV) 80-Hg-198

MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section 53.44 %



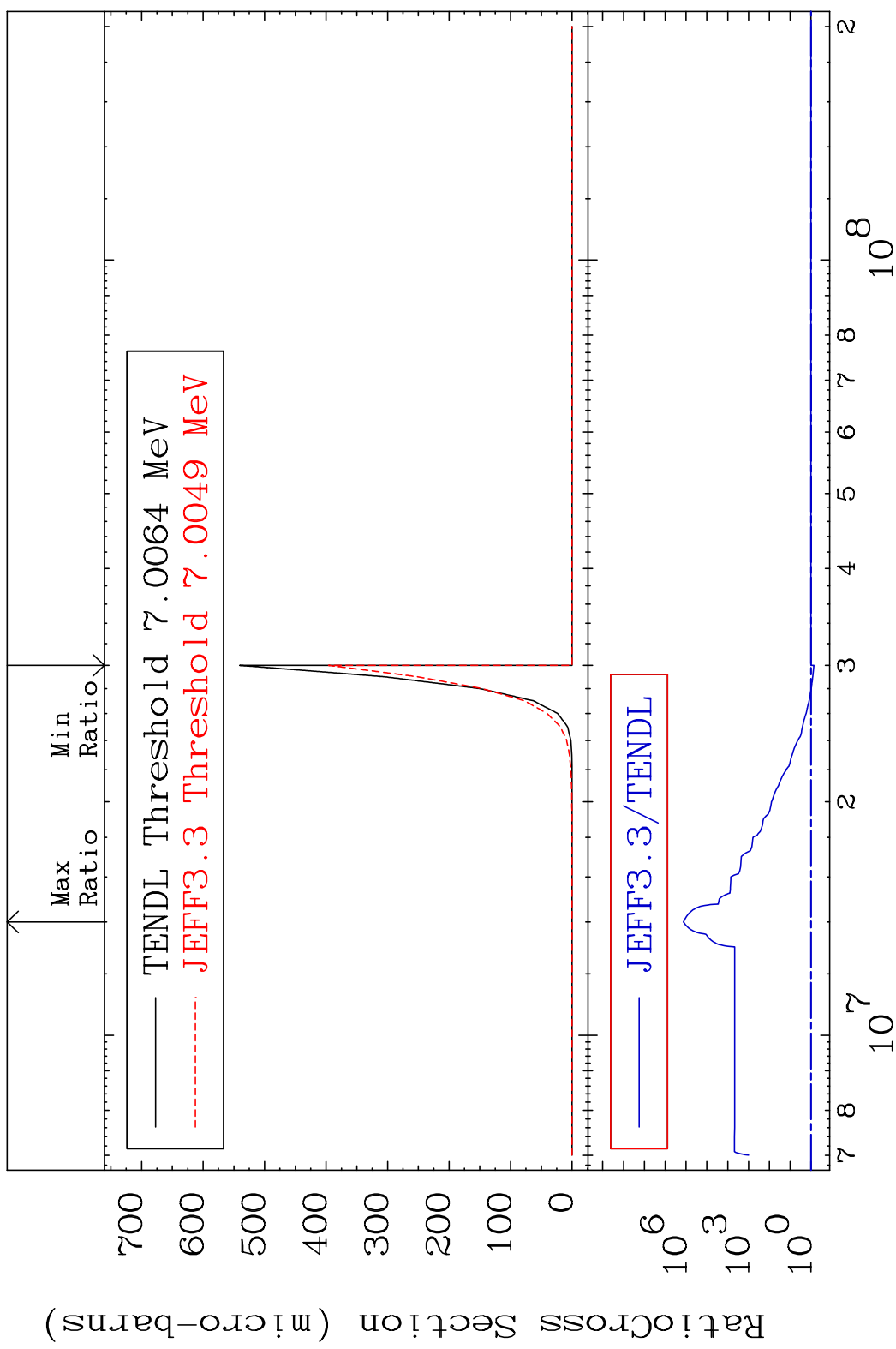
66 Incident Energy (eV) 80-Hg-198

MAT 8031 (n, 2n): 80-Hg-197m4 80-Hg-198
 Radionuclide Production Cross Section 89.62 %

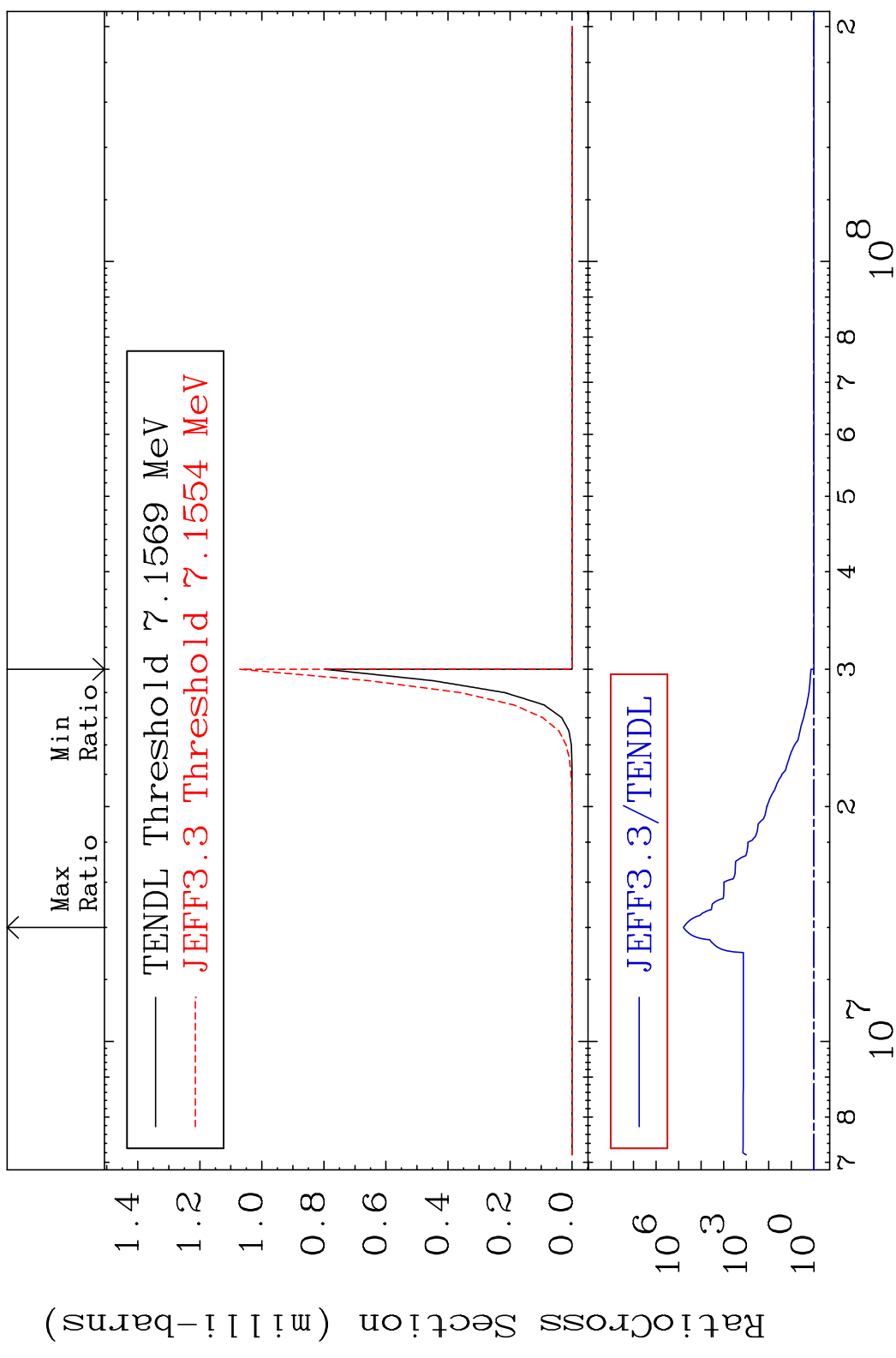


67 Incident Energy (eV) 80-Hg-198

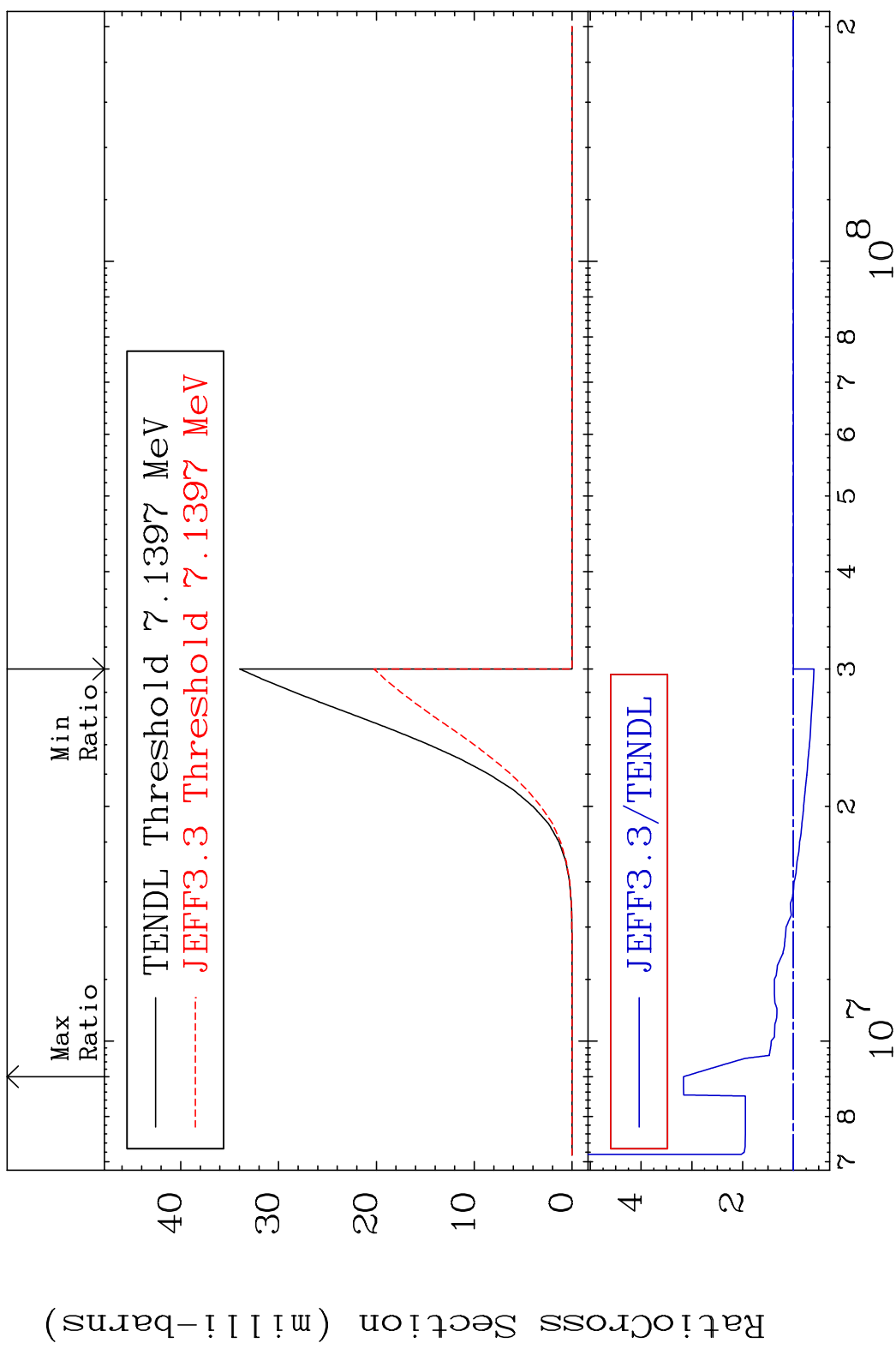
MAT 8031 (n,2n) α :78-Pt-193g 80-Hg-198
 Radionuclide Production Cross Section 9999. %



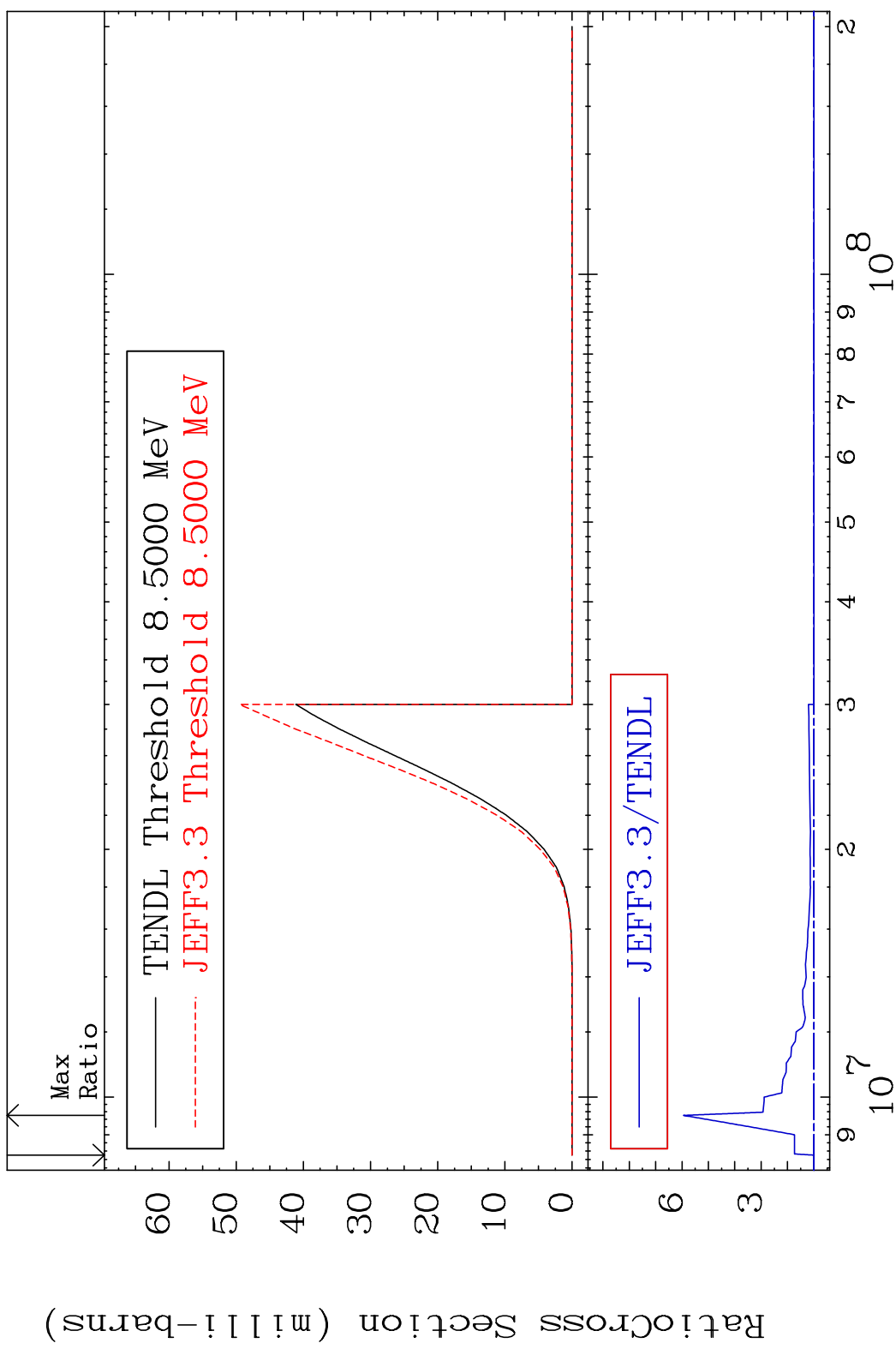
MAT 8031 (n,2n) α : 78-Pt-193m5 80-Hg-198
 Radionuclide Production Cross Section 9999. %

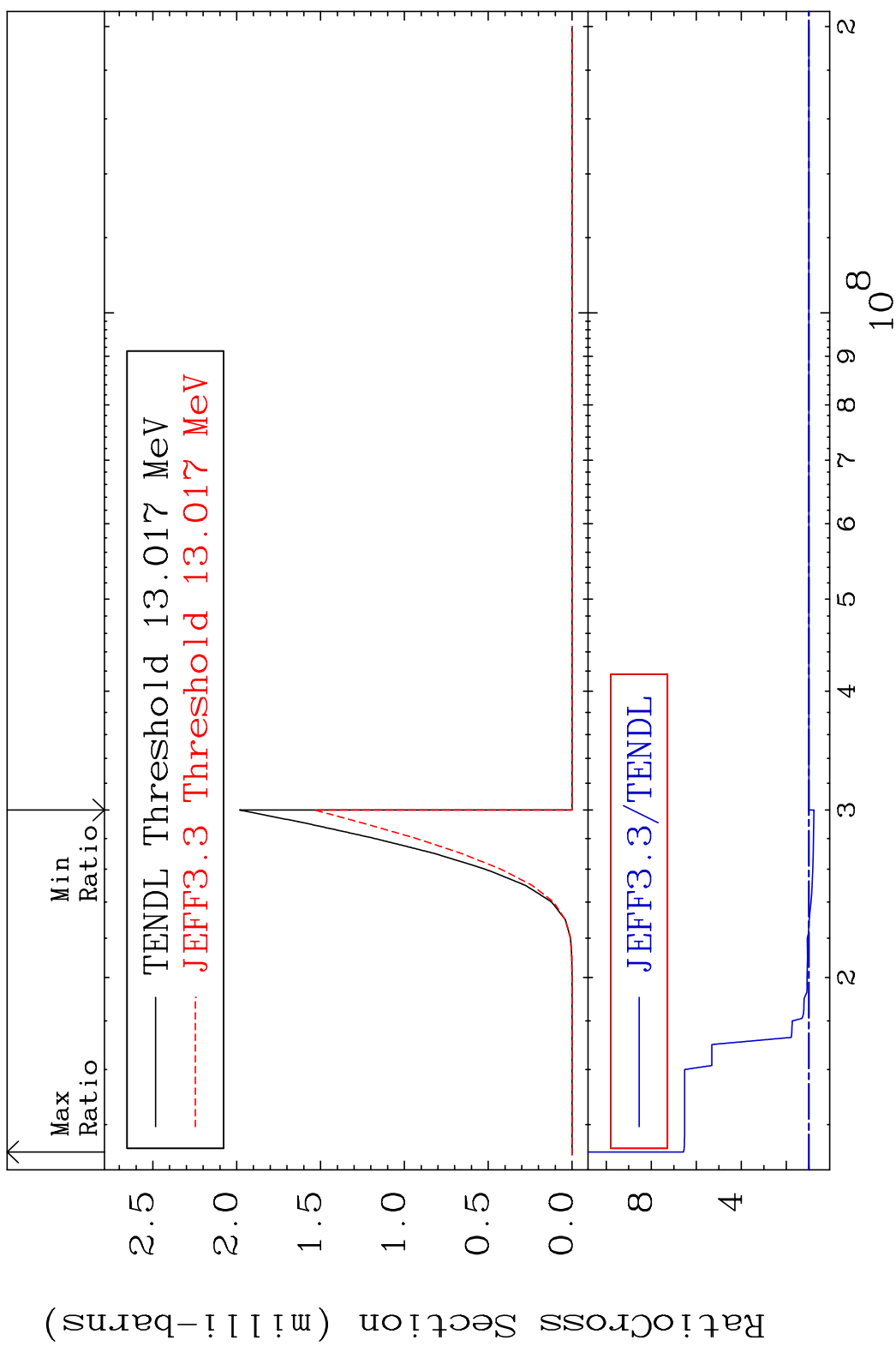


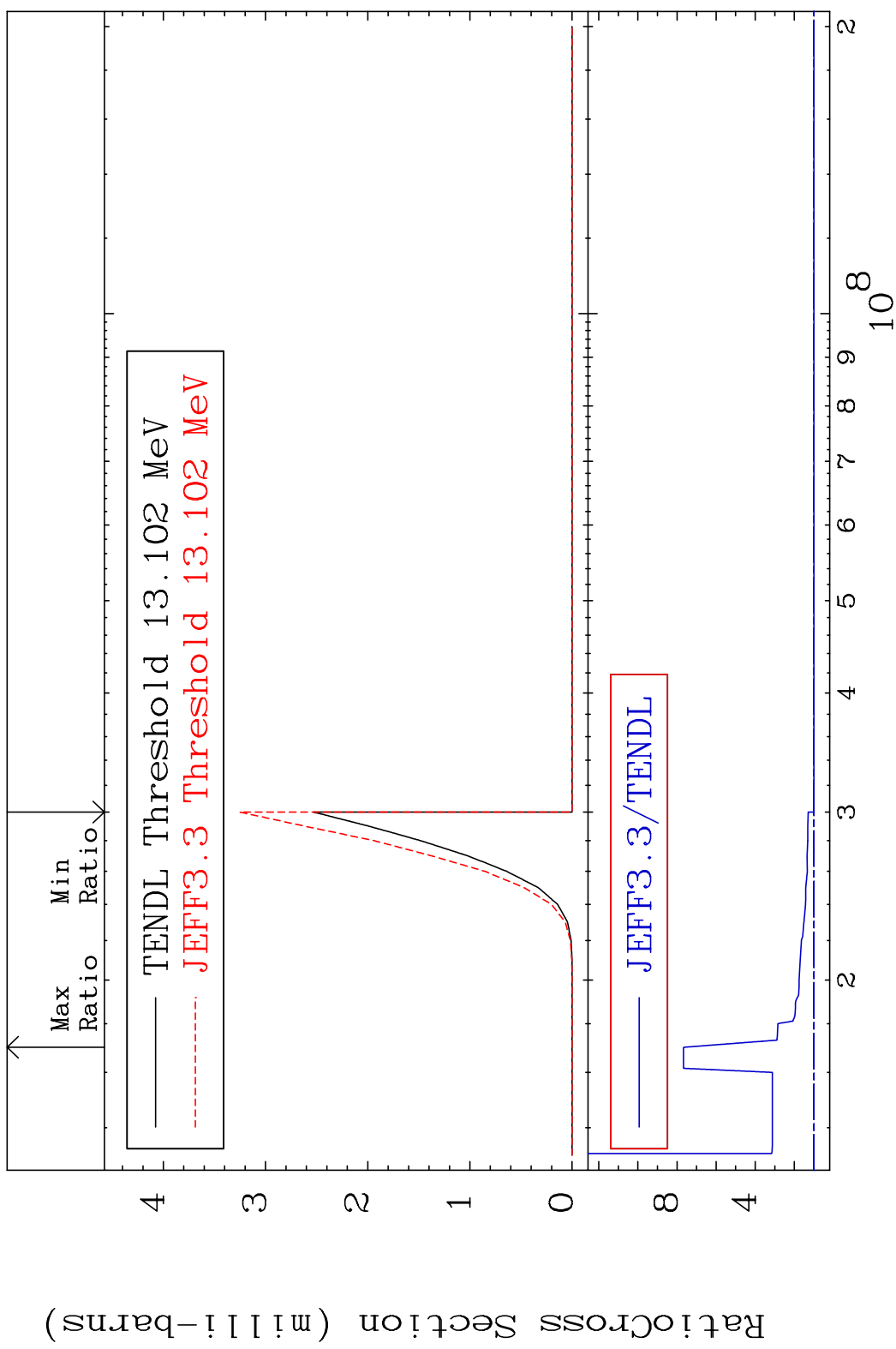
MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 216.5 %



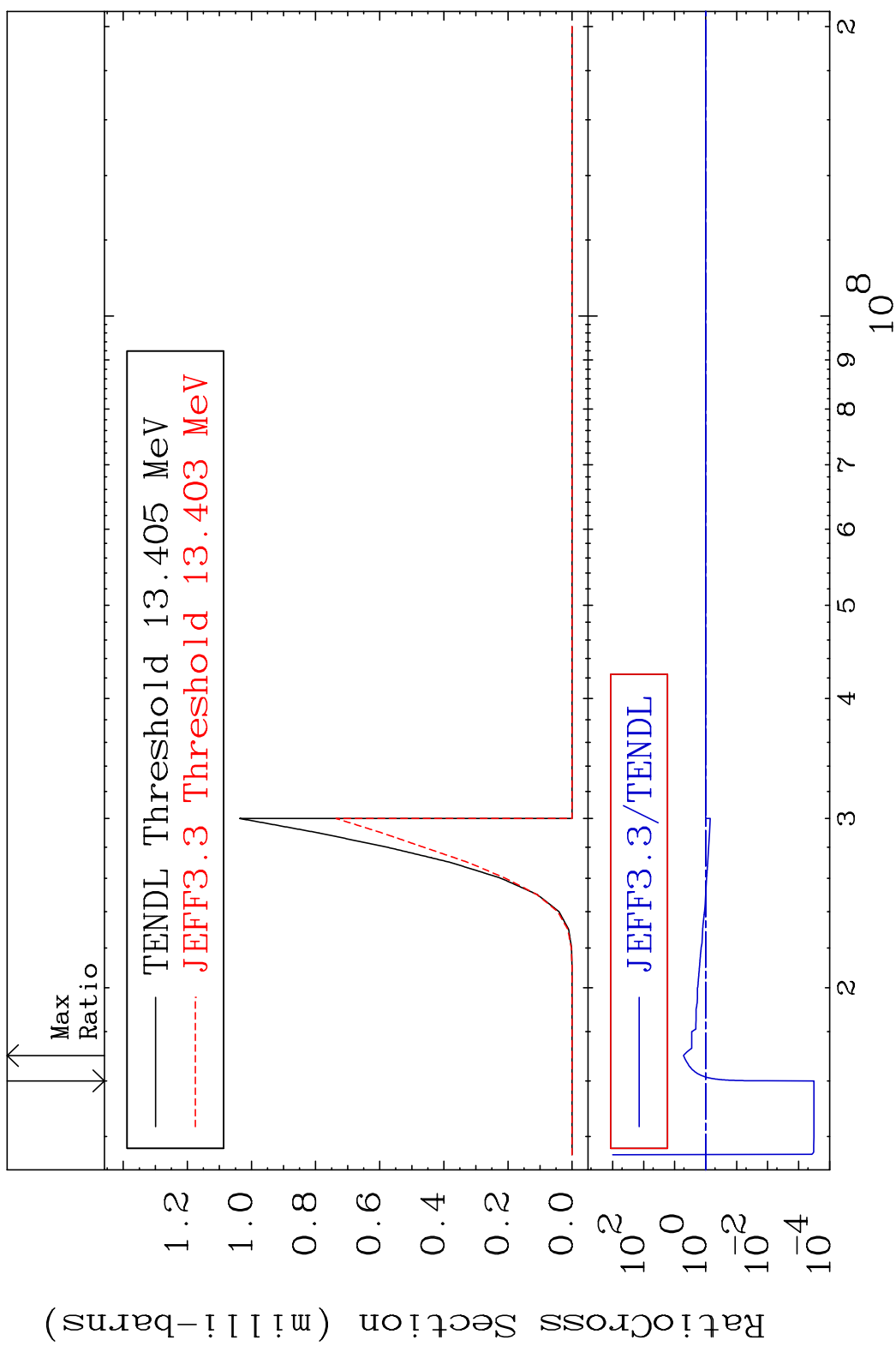
70 80-Hg-198



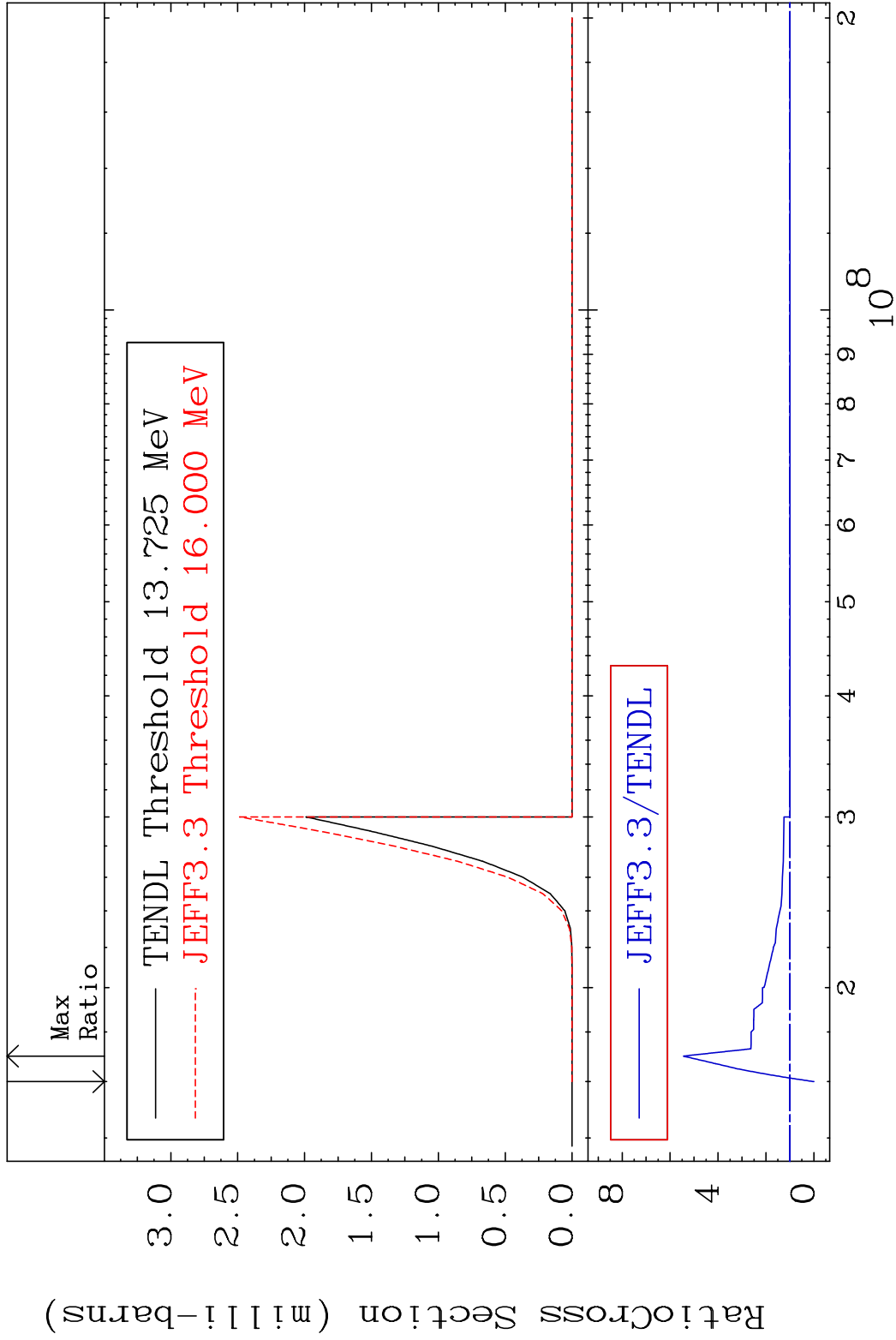




MAT 8031 (n, n') t:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 421.0 %

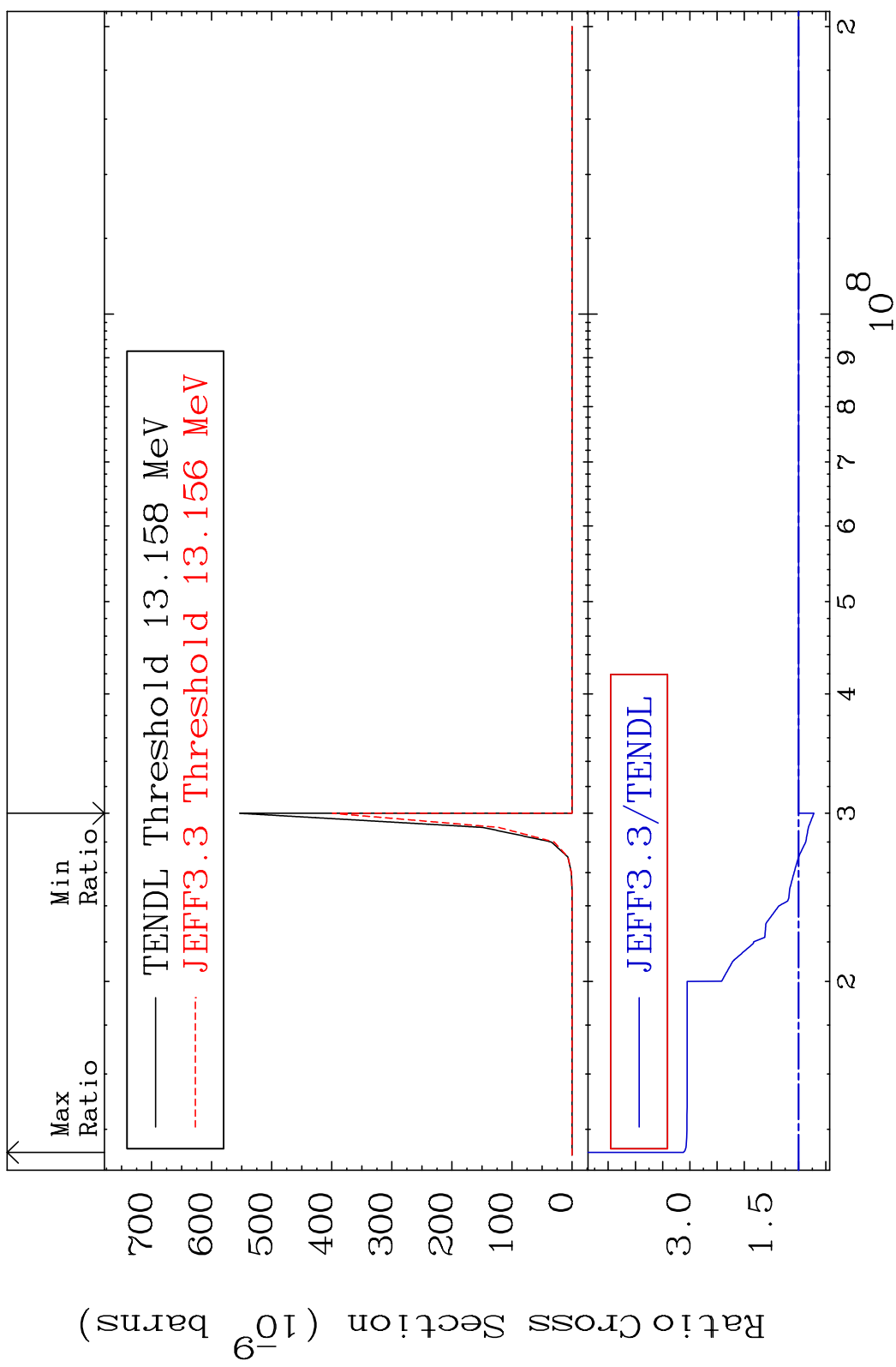


MAT 8031 (n, n') t:79-Au-195m4 80-Hg-198
 Radionuclide Production Cross Section 180000 dpo 444.3 %

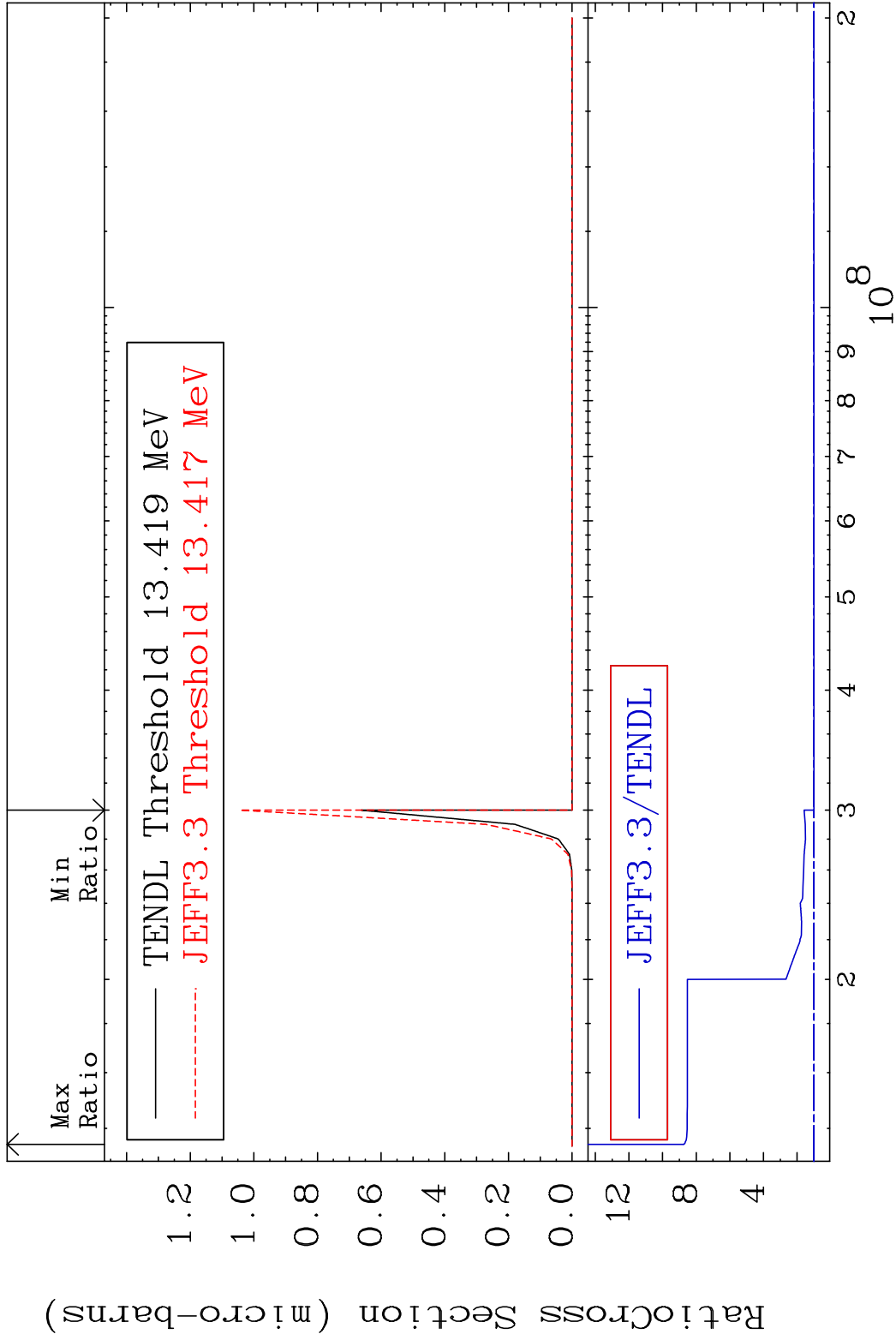


75 Incident Energy (eV) 80-Hg-198

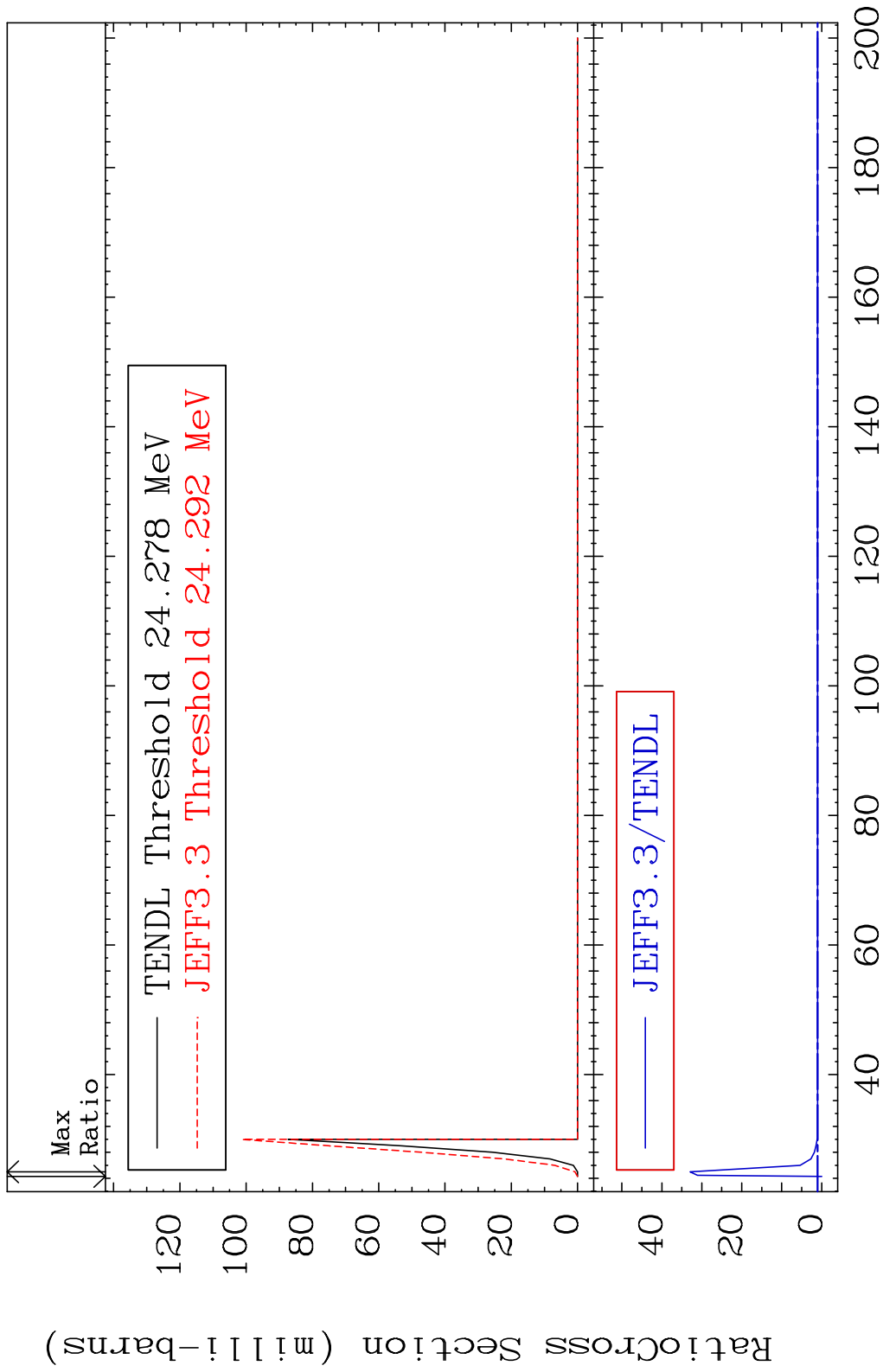
MAT 8031 (n, n') He-3:78-Pt-195g 80-Hg-198
 Radionuclide Production Cross Section 211.7 %



76 Incident Energy (eV) 80-Hg-198

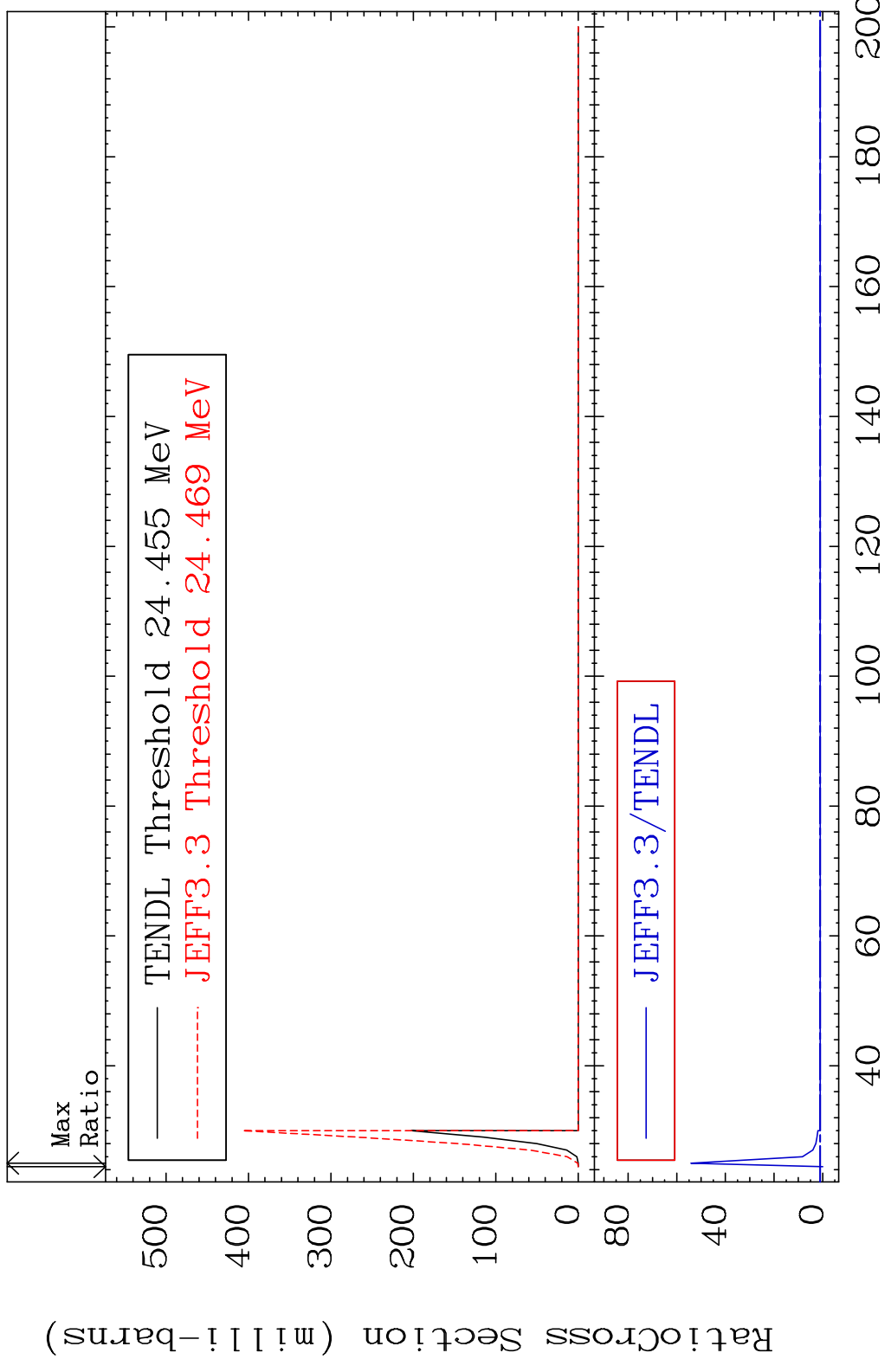


MAT 8031 (n, 4n): 80-Hg-195g 80-Hg-198
 Radionuclide Production Cross Section 180000 dpo 3194. %



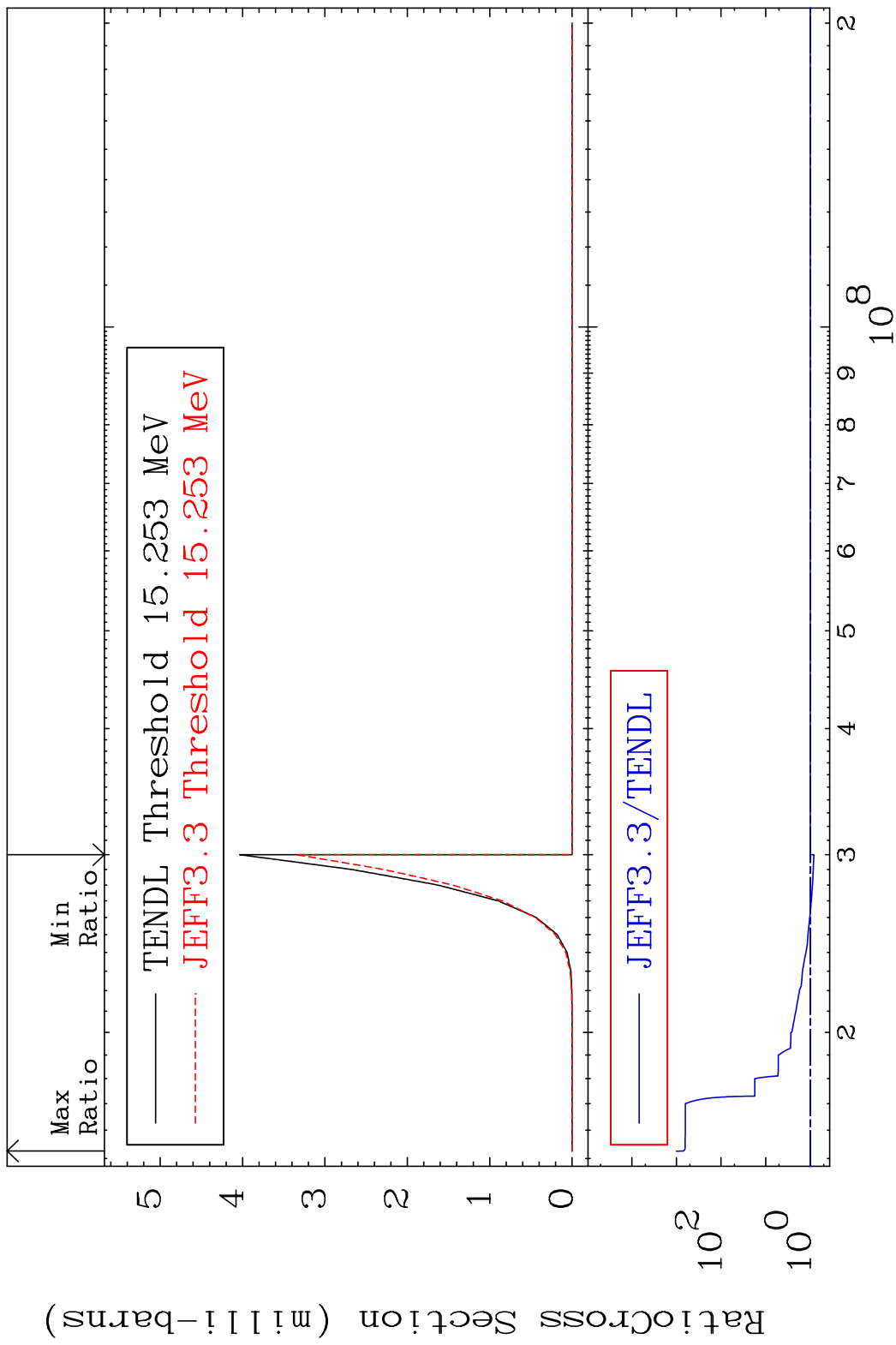
78 Incident Energy (MeV) 80-Hg-198

MAT 8031 (n, 4n):80-Hg-195m3 80-Hg-198
 Radionuclide Production Cross Section 180000 dpo 5321. %

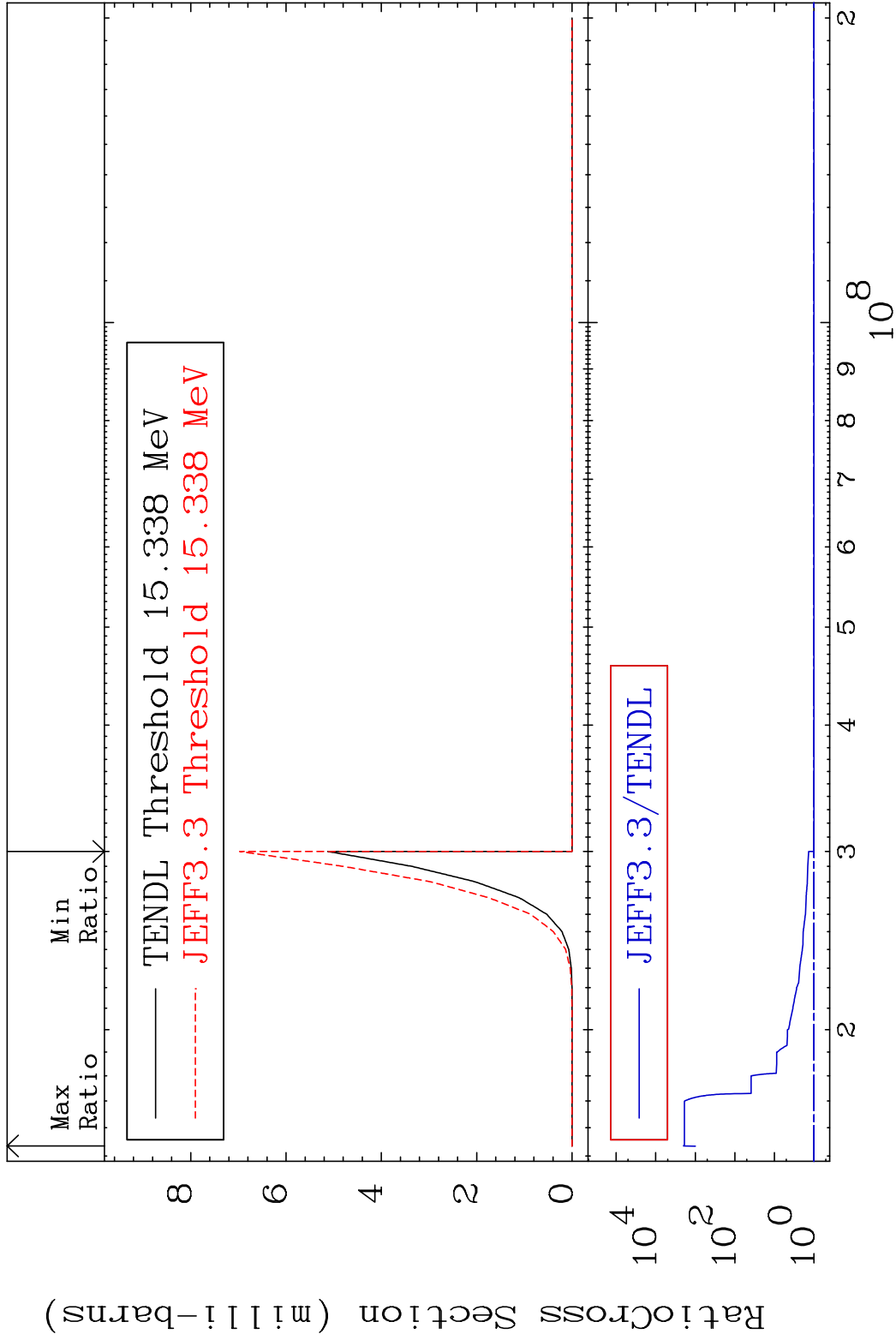


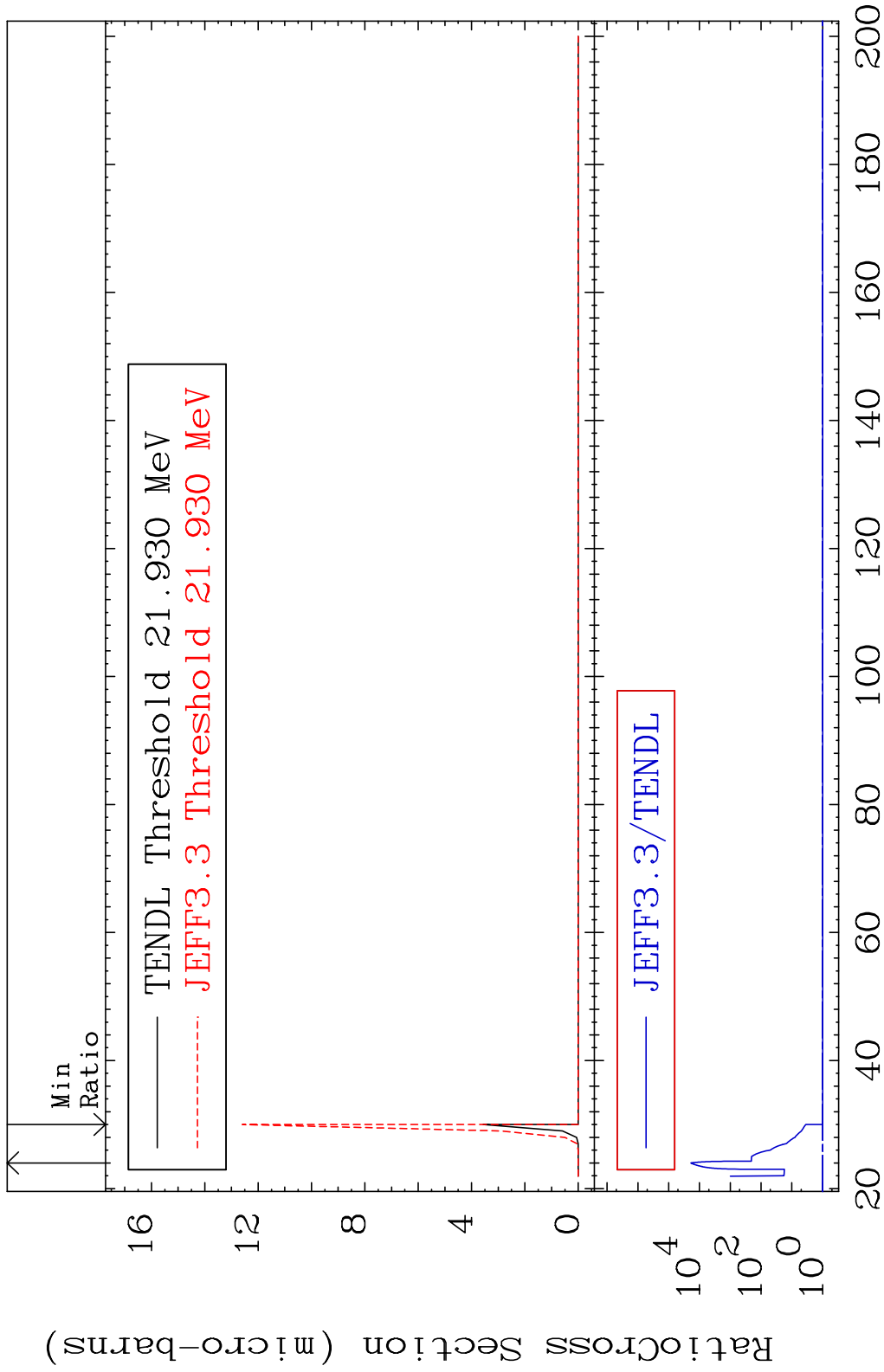
79 Incident Energy (MeV) 80-Hg-198

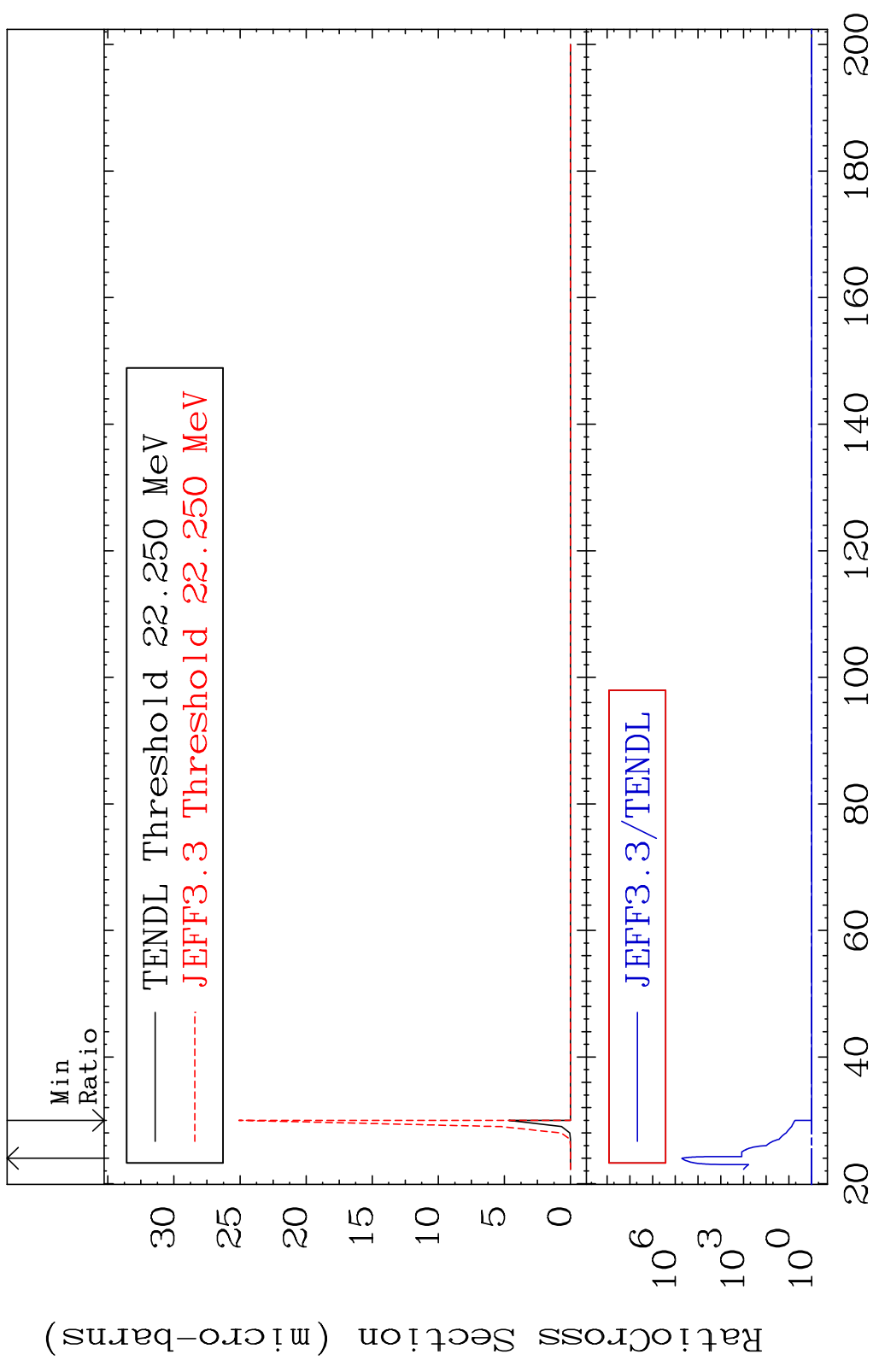
MAT 8031 (n,2n) p:79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section 9999. %



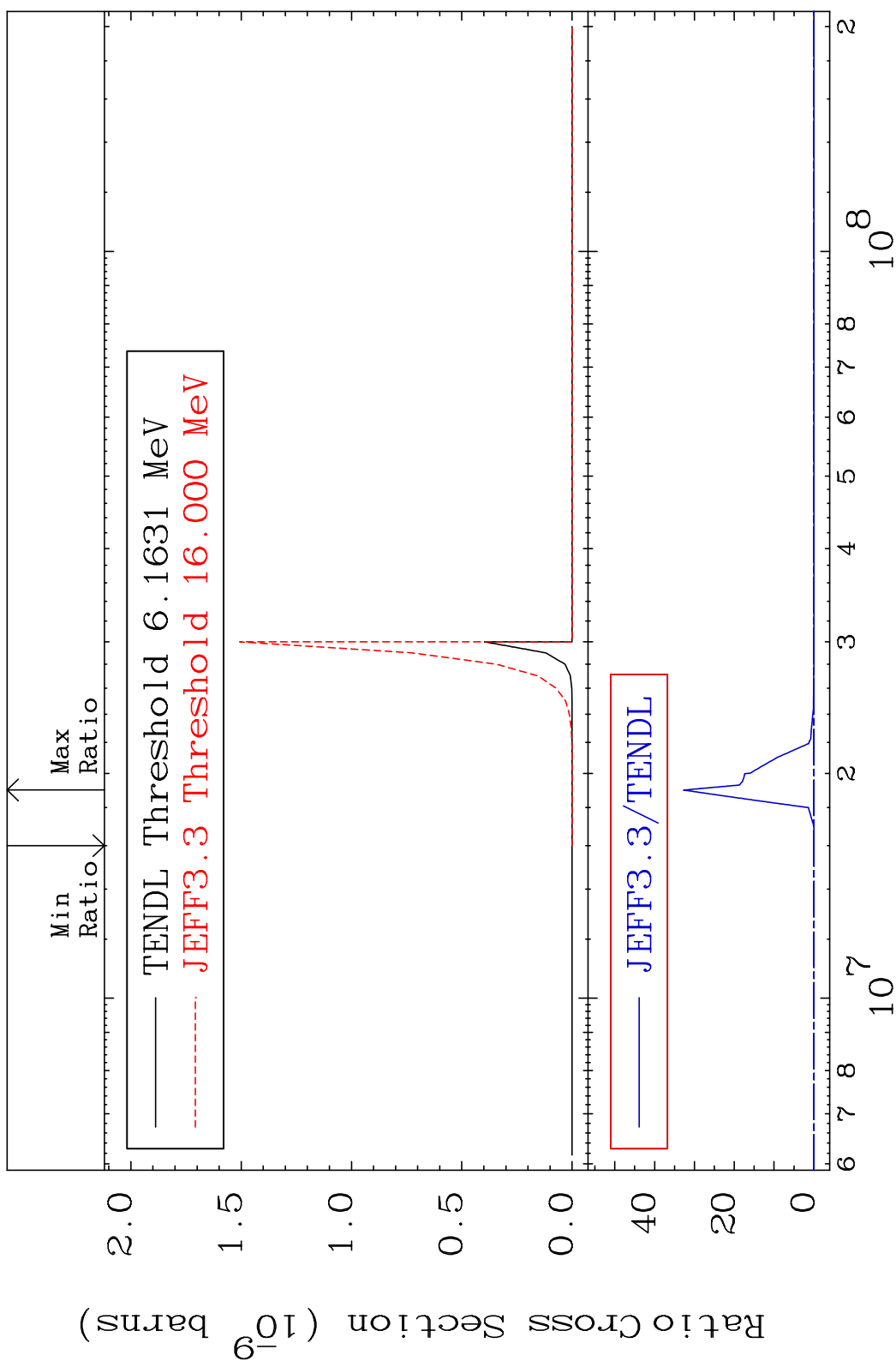
80 80-Hg-198



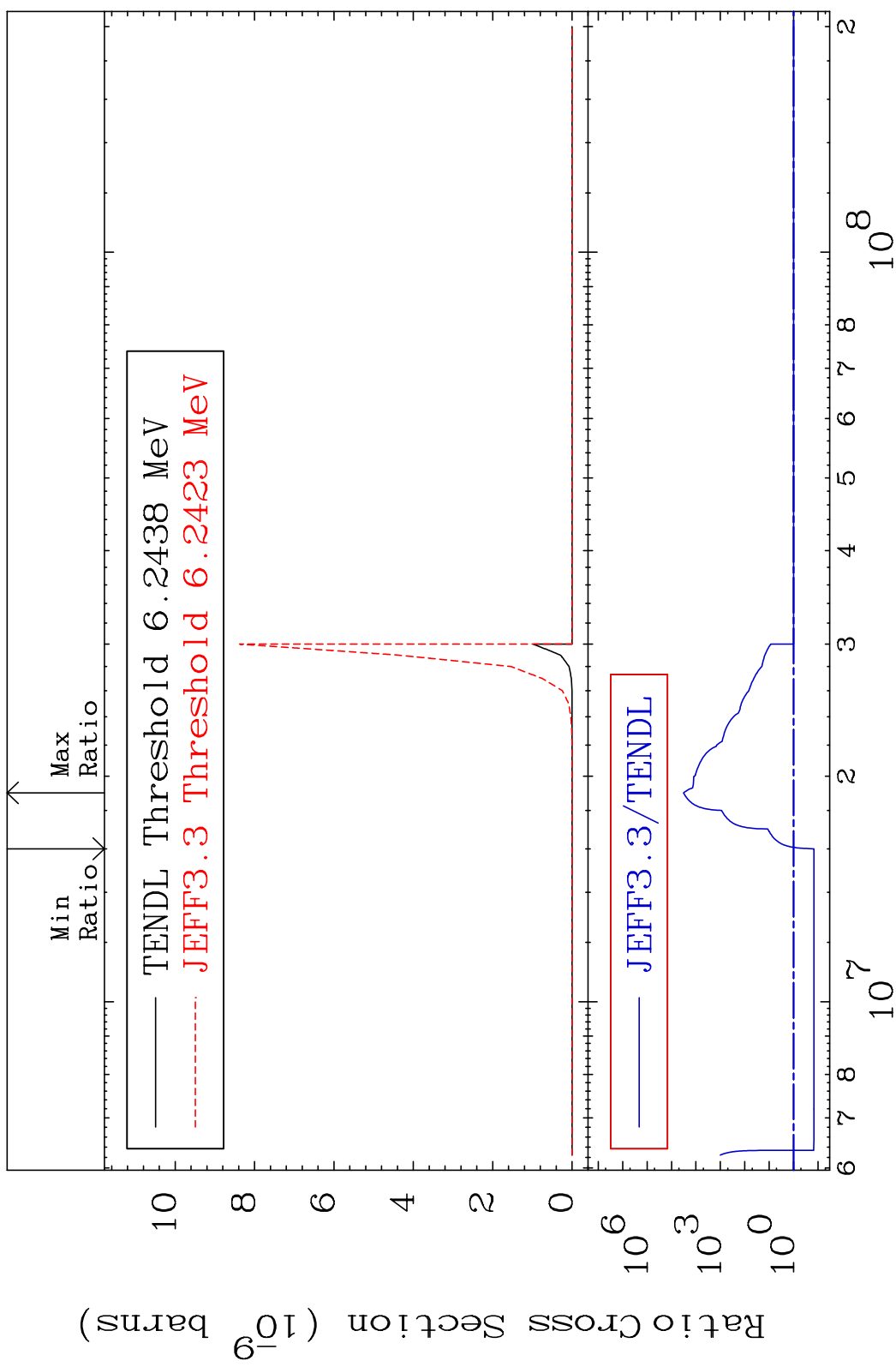


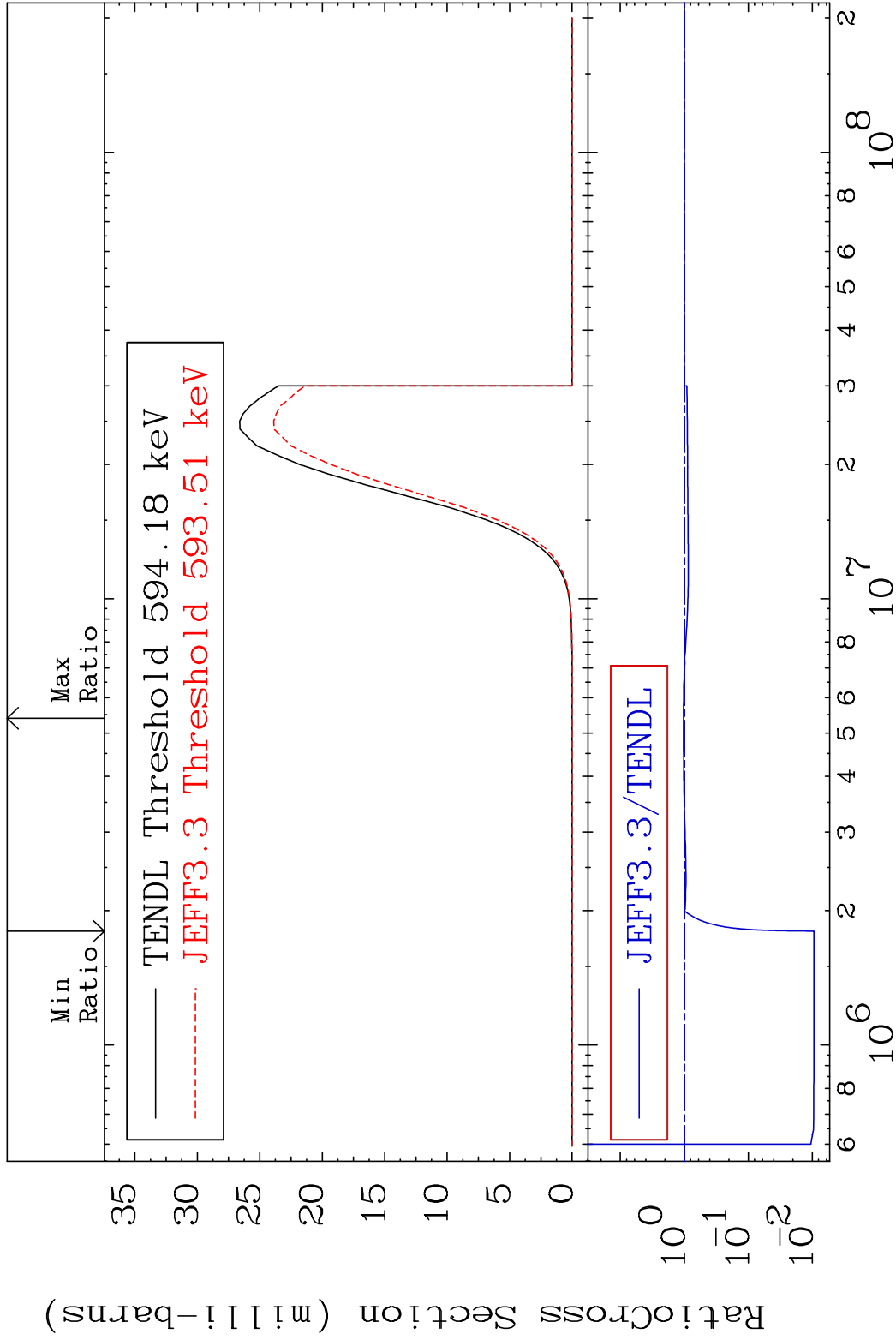


MAT 8031 (n, n') p α : 77-Ir-193g 80-Hg-198
 Radionuclide Production Cross Section 10000 d0 9999. %

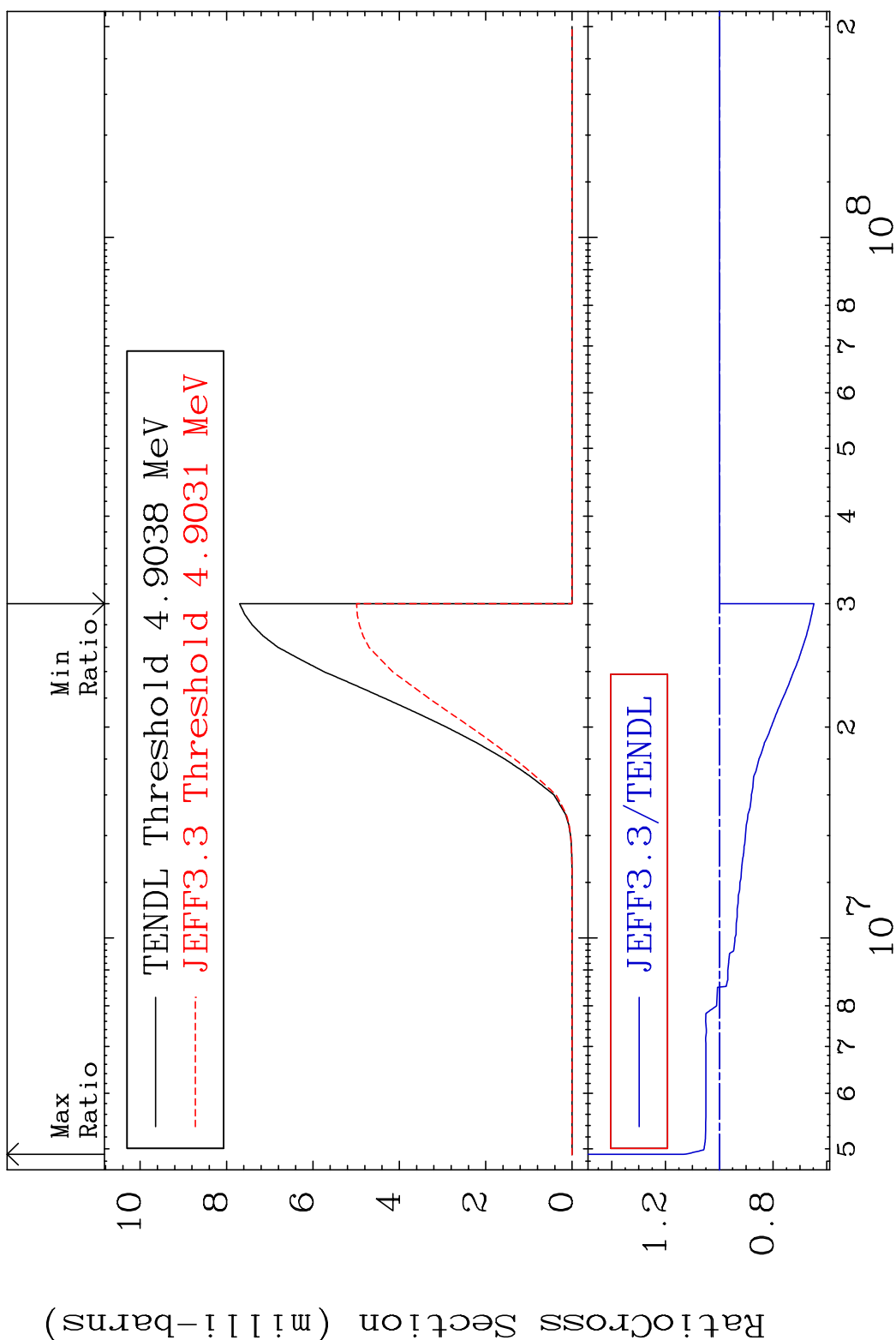


MAT 8031 (n, n') p α : 77-Ir-193m2 80-Hg-198
 Radionuclide Production Cross Section to 9999. %



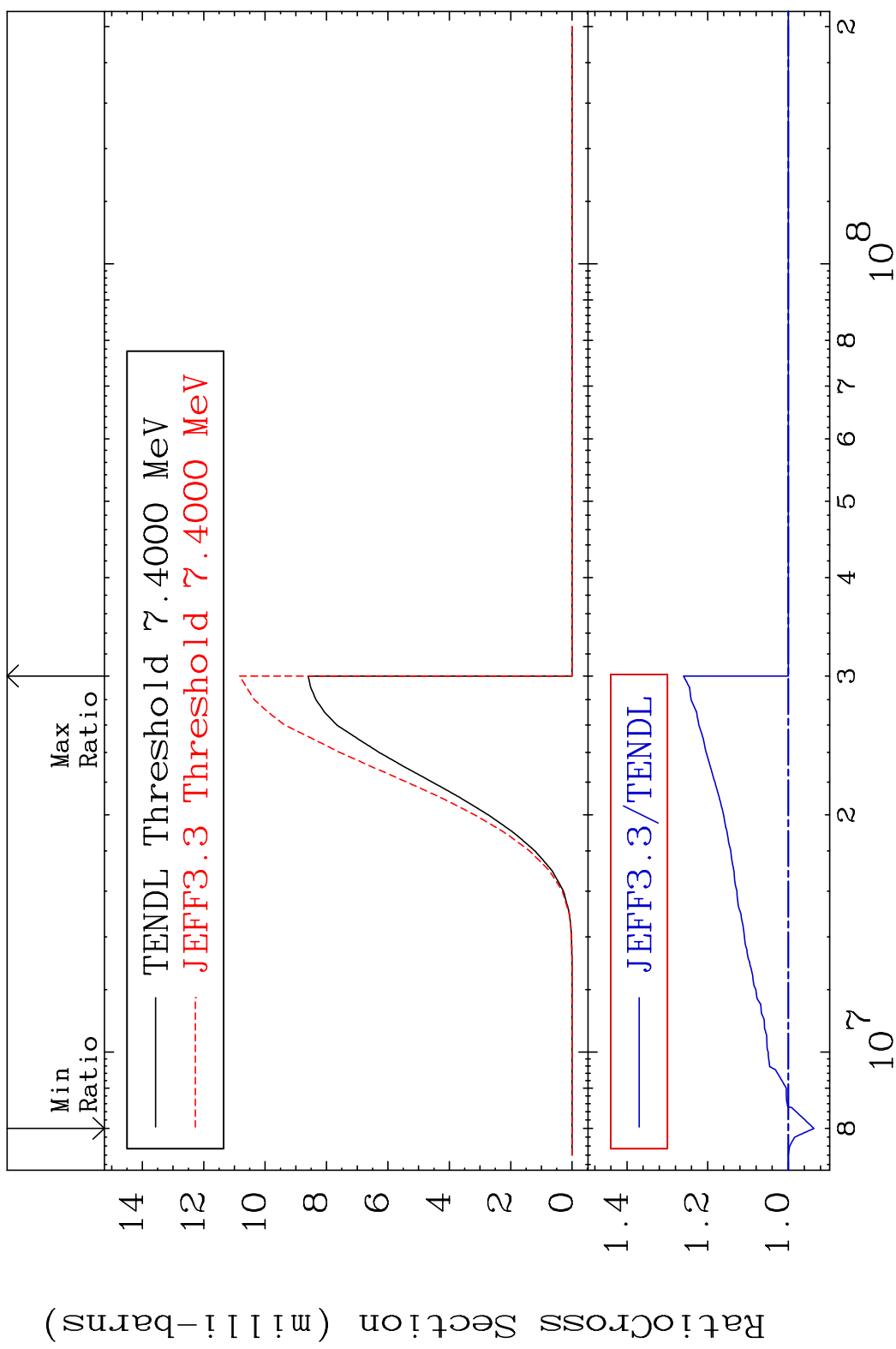


MAT 8031 (n,d):79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 13.33 %

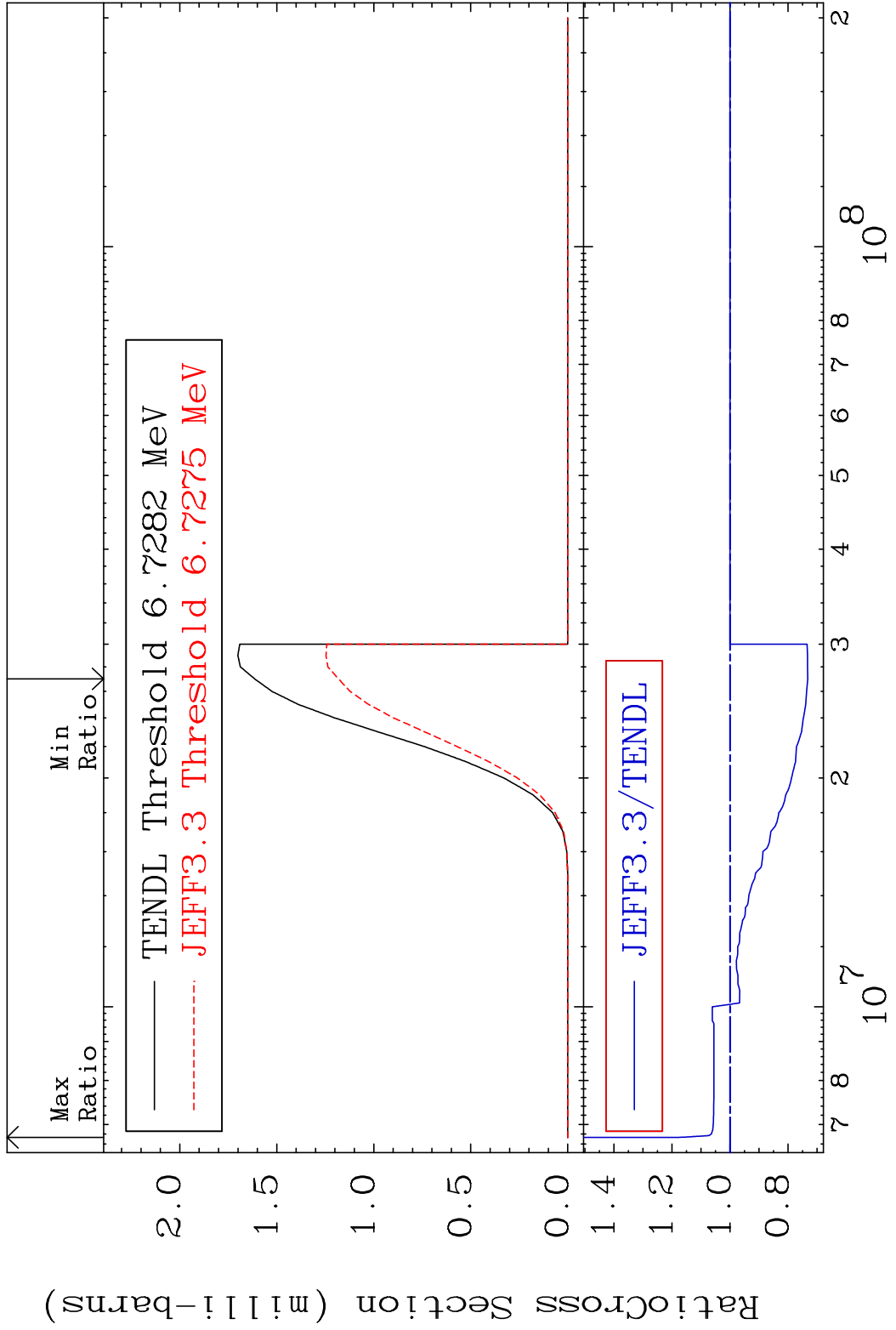


87 Incident Energy (eV) 80-Hg-198

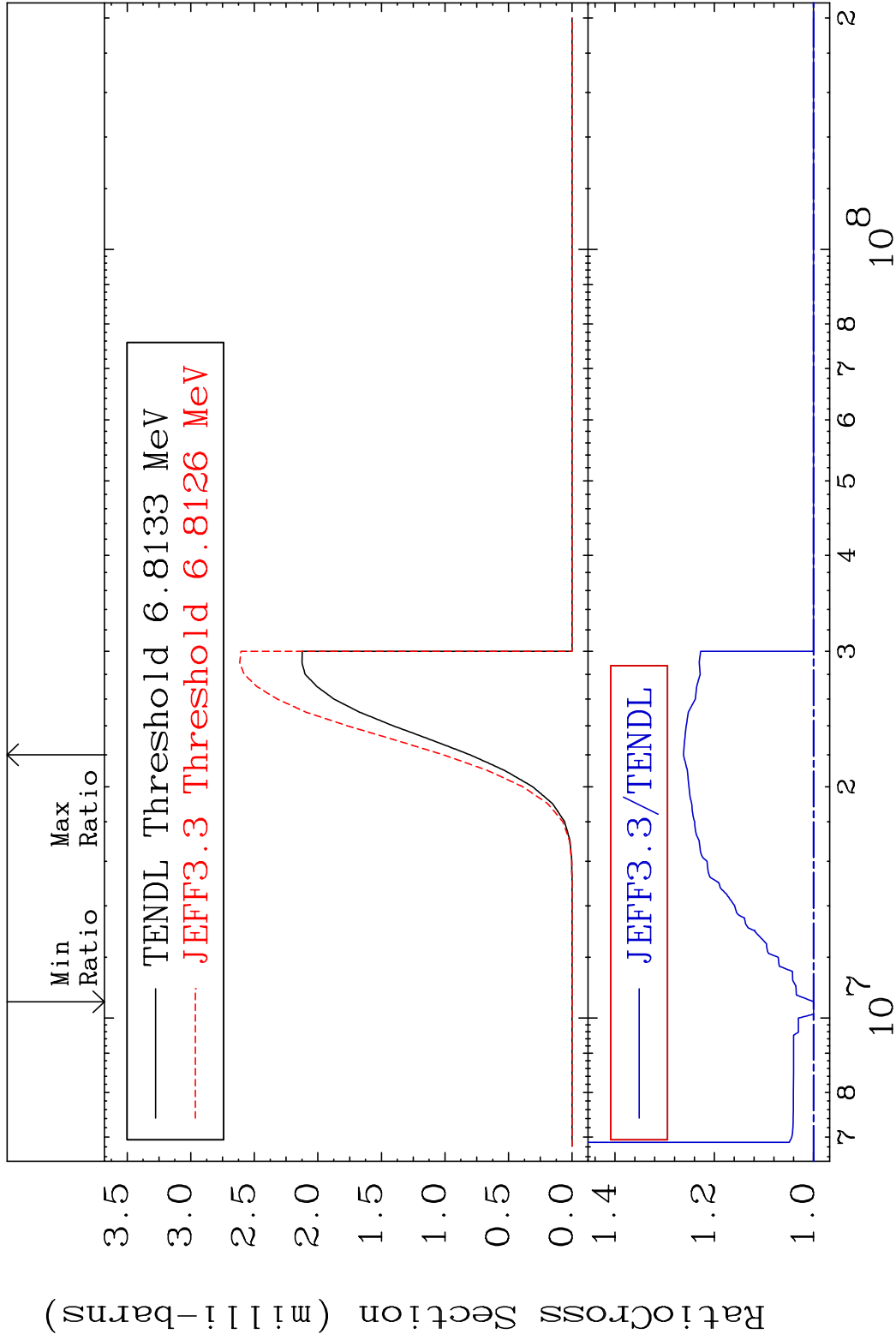
MAT 8031 (n,d):79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section 66.4110 26.00 %



88 Incident Energy (eV) 80-Hg-198

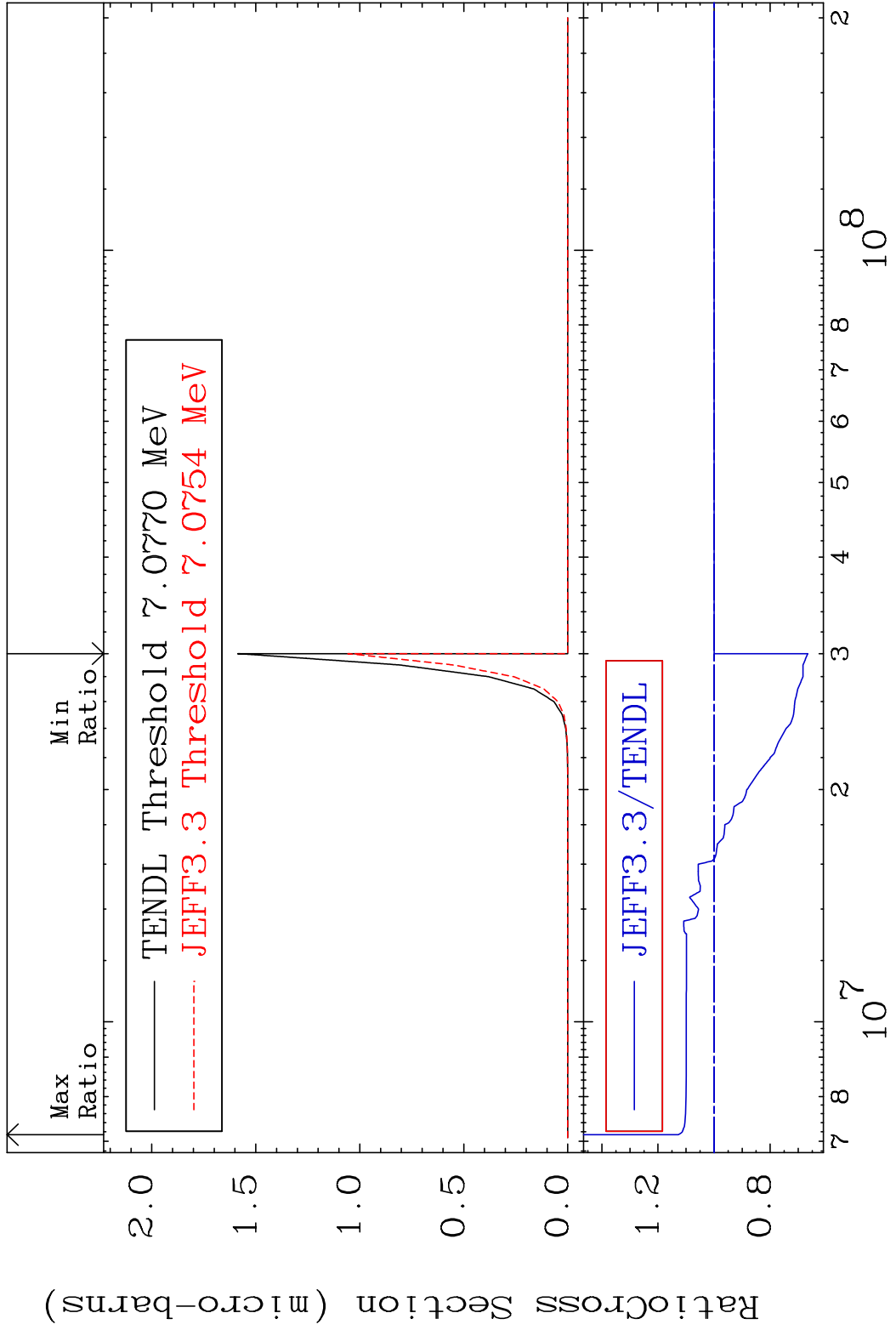


MAT 8031 (n, t): 79-Au-196m3 80-Hg-198
 Radionuclide Production Cross Section 0.00021 dpo 26.21 %



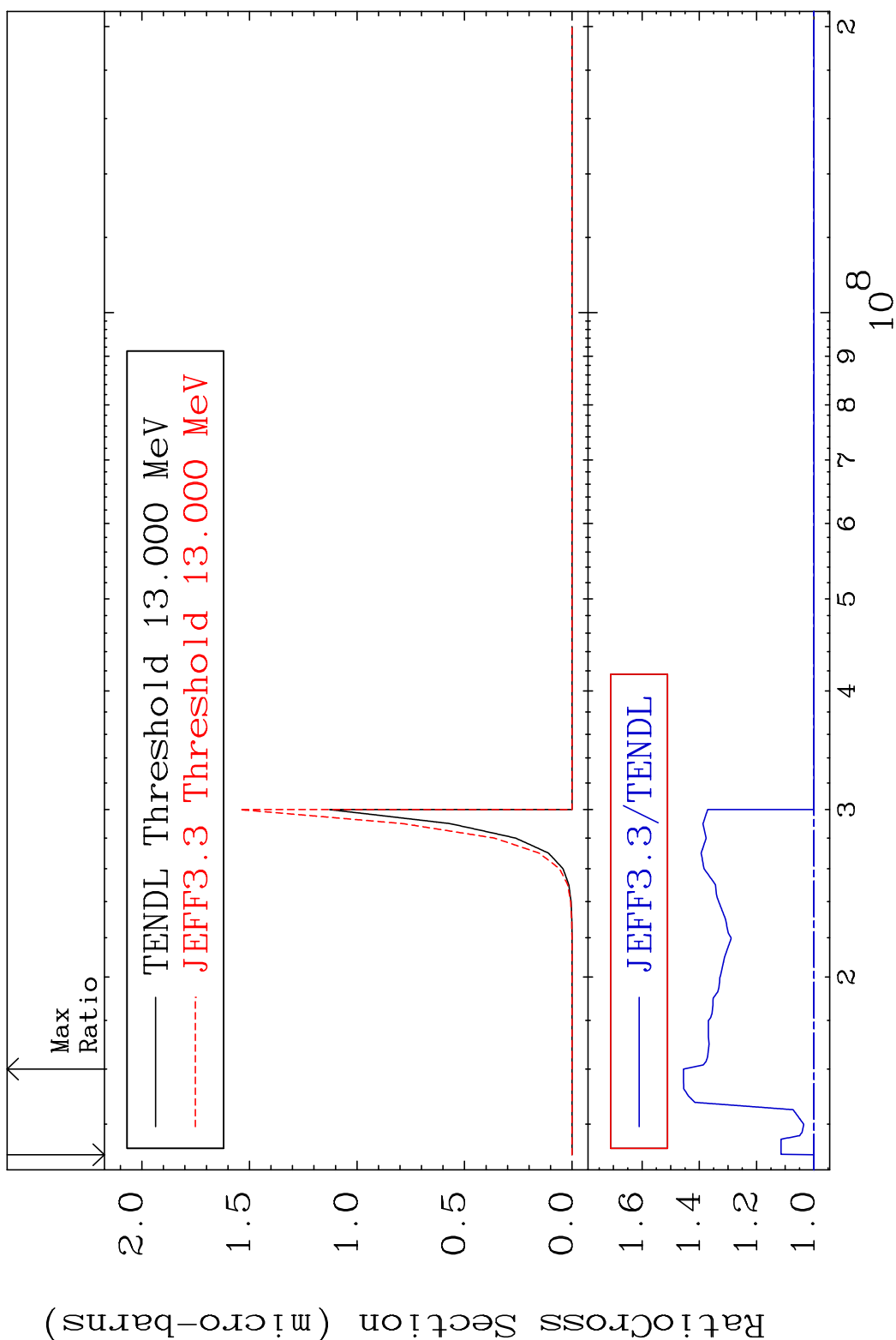
90 80-Hg-198

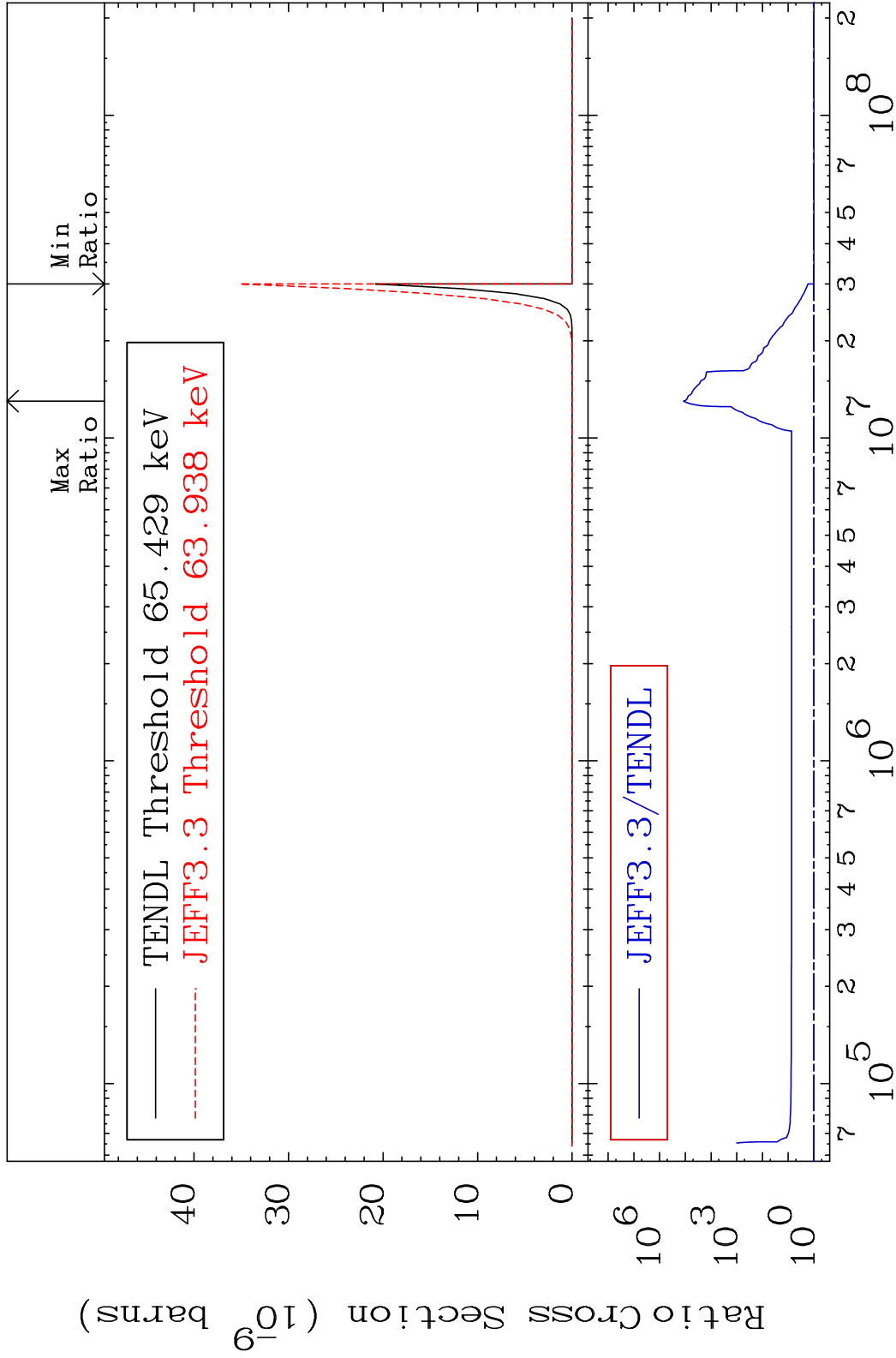
MAT 8031 (n,2p):78-Pt-197g 80-Hg-198
 Radionuclide Production Cross Section 33e38i d10 12.78 %

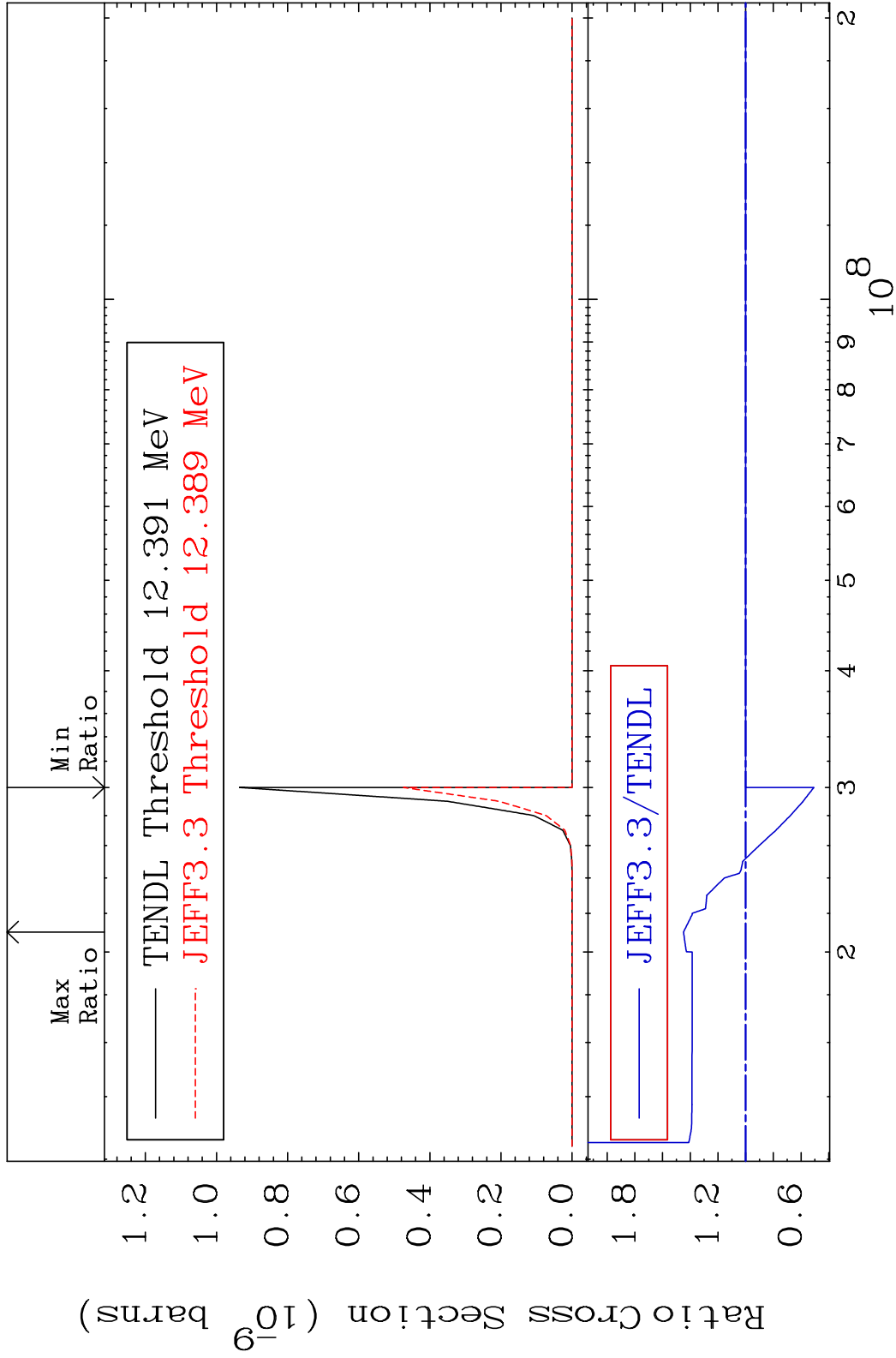


91 Incident Energy (eV) 80-Hg-198

MAT 8031 (n, 2p): 78-Pt-197m9 80-Hg-198
 Radionuclide Production Cross Section 45.55 %







MAT 8031 (n, p) t:78-Pt-195m7 80-Hg-198
 Radionuclide Production Cross Section 54.32 %

