

Program Complot
(Version 2021-1)

by

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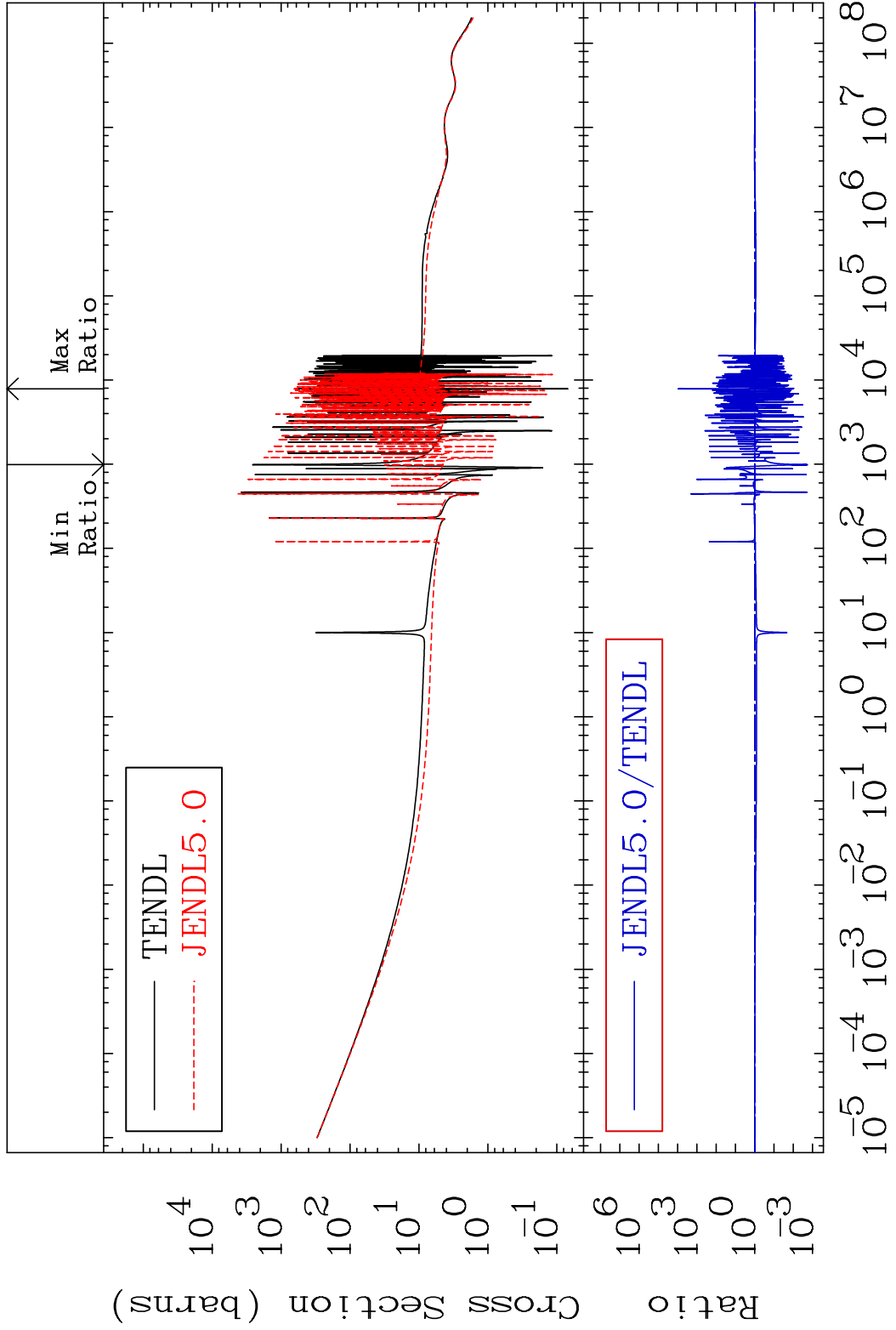
U.S.A.

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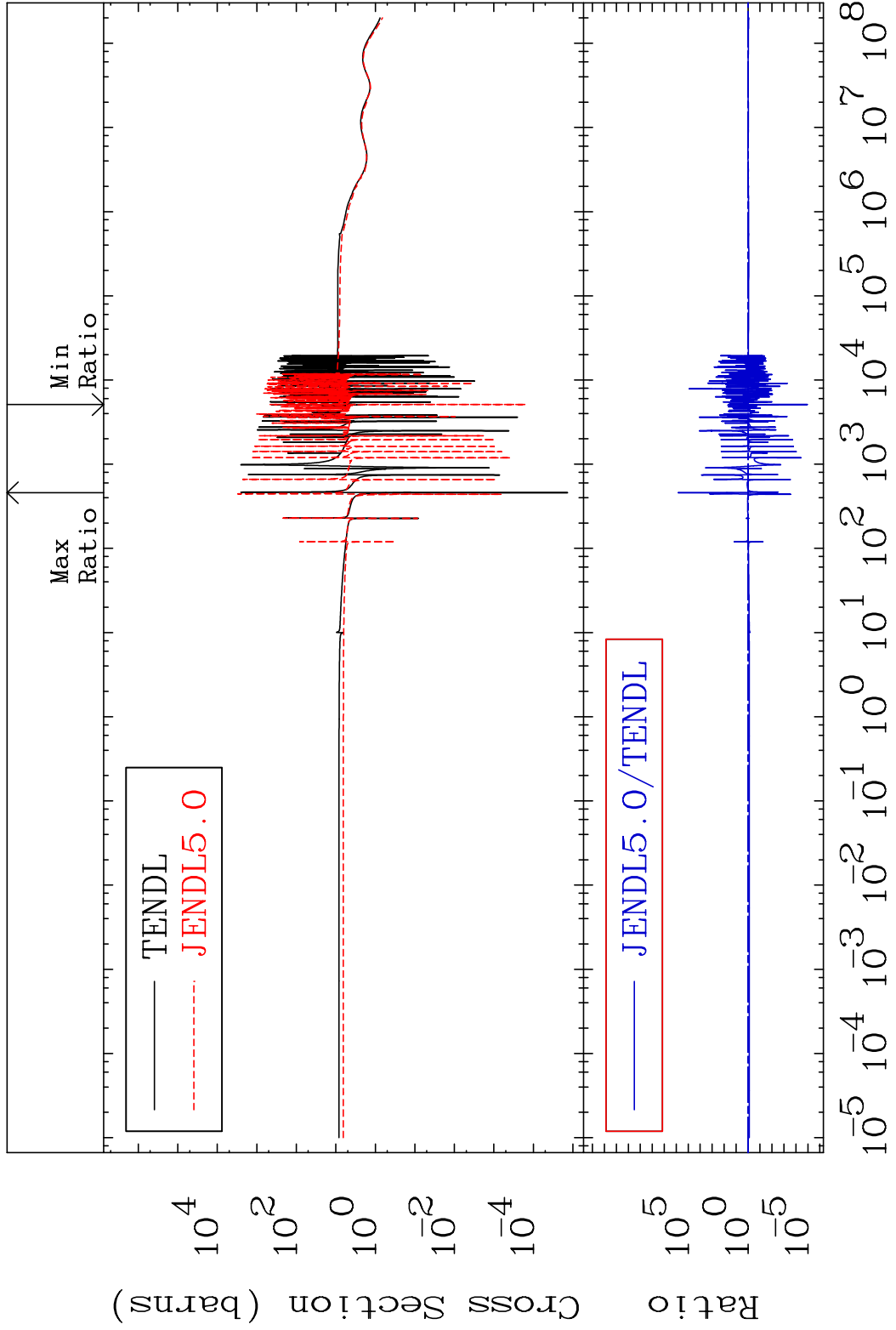
Press Mouse Button to Start

MAT 4437 Total 44-Ru-100
 Cross Section -99.82 To 9999. %



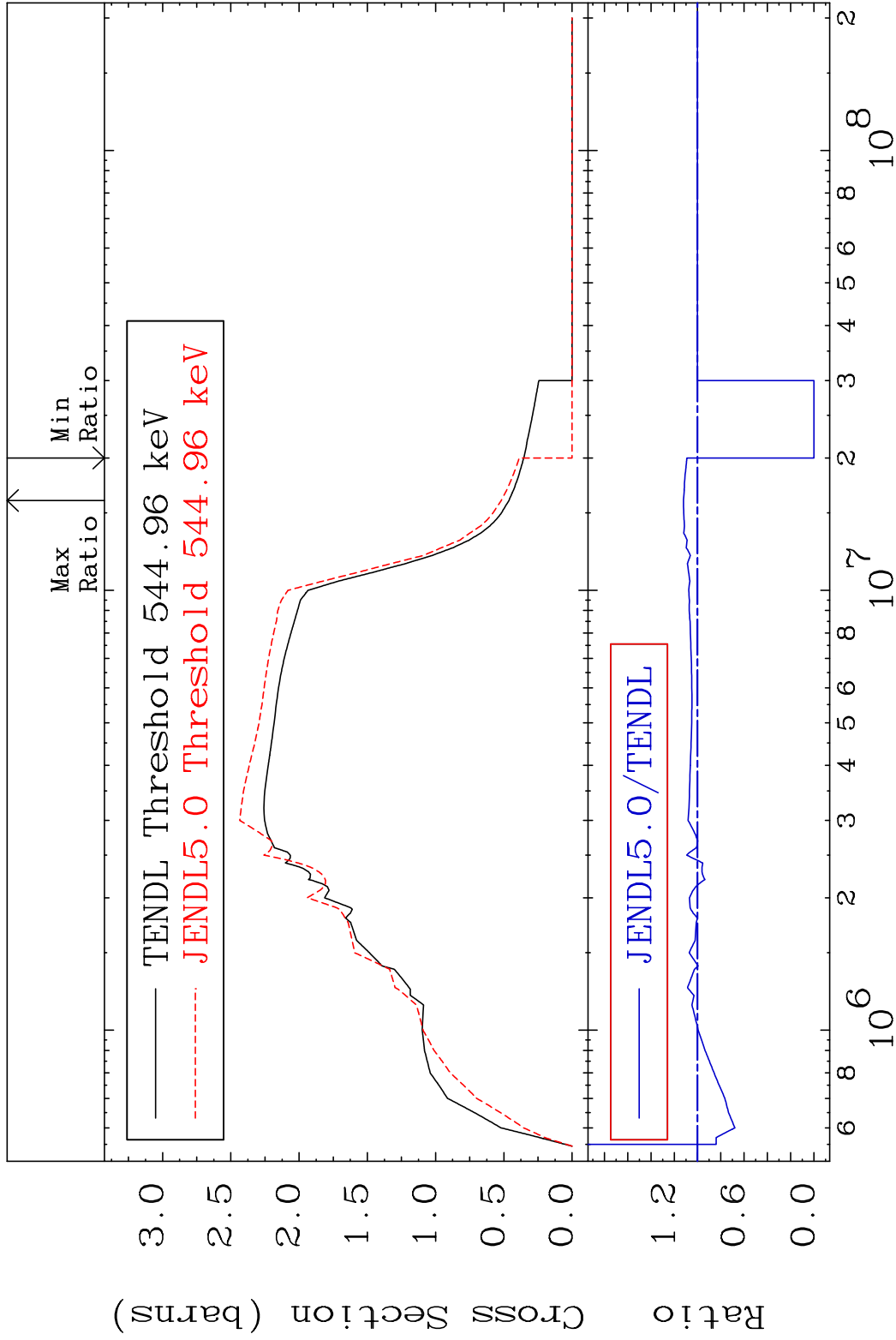
1 Incident Energy (eV) 44-Ru-100

MAT 4437 Elastic 44-Ru-100
 Cross Section -100.0 To 9999. %

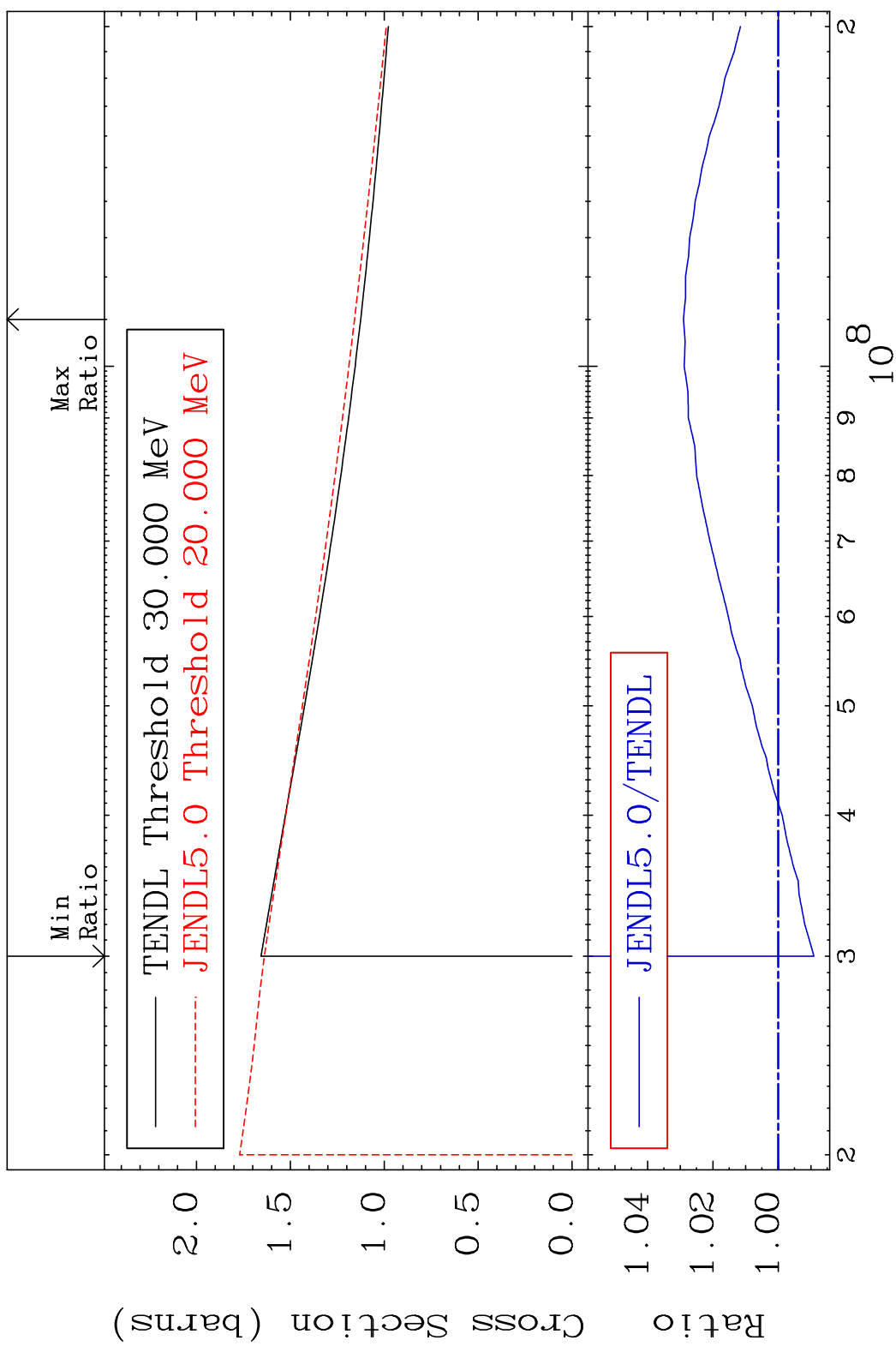


2 Incident Energy (eV) 44-Ru-100

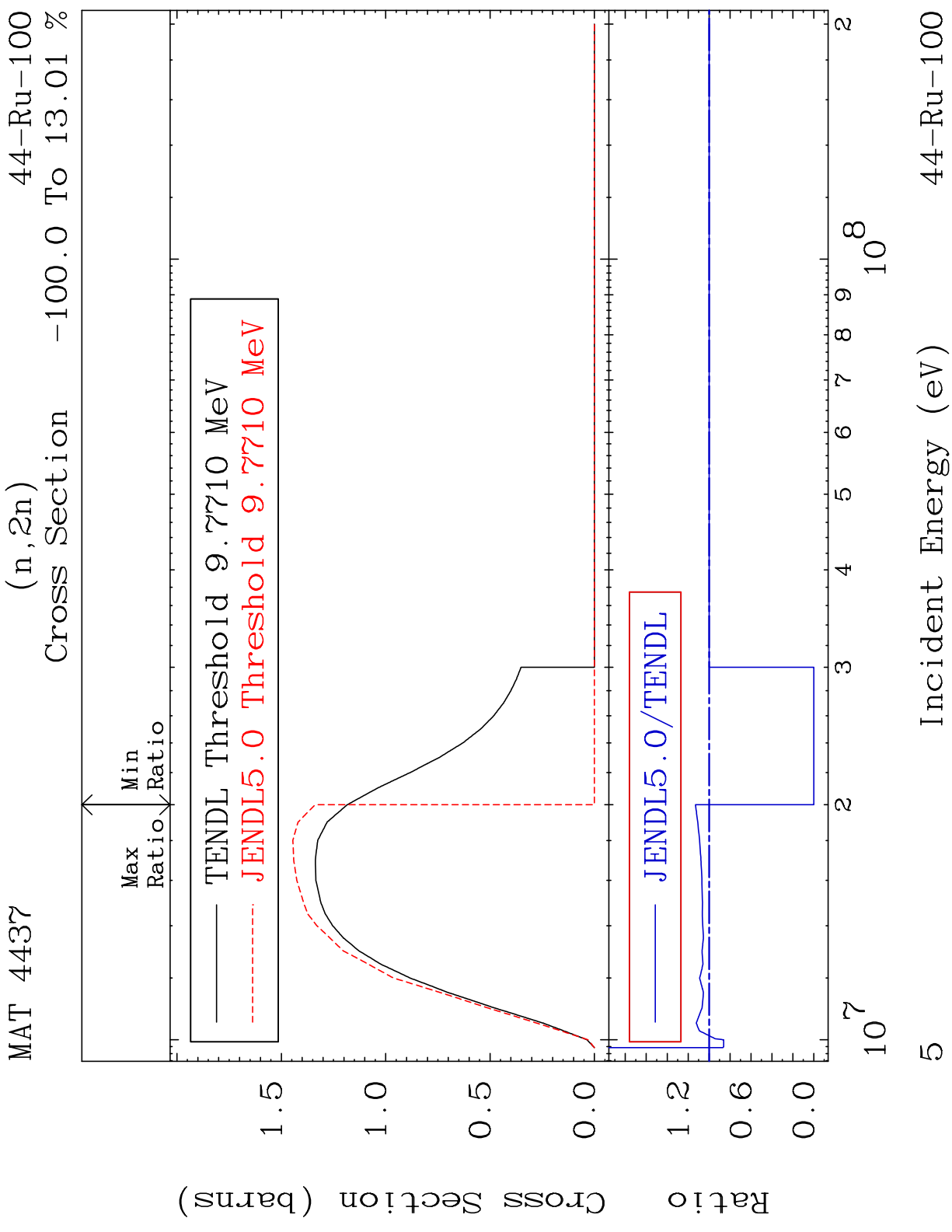
MAT 4437 Inelastic Cross Section -100.0 To 12.10 % 44-Ru-100

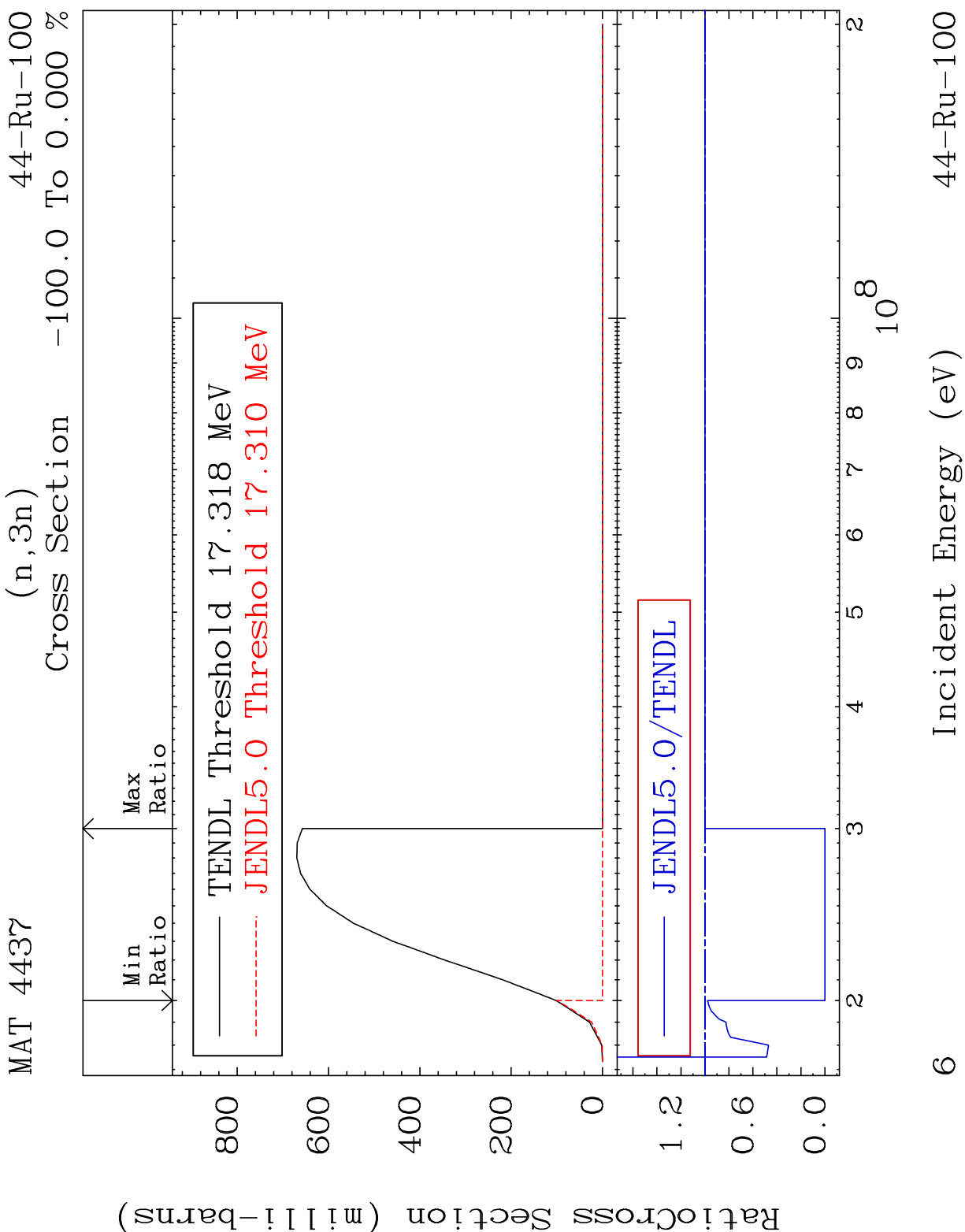


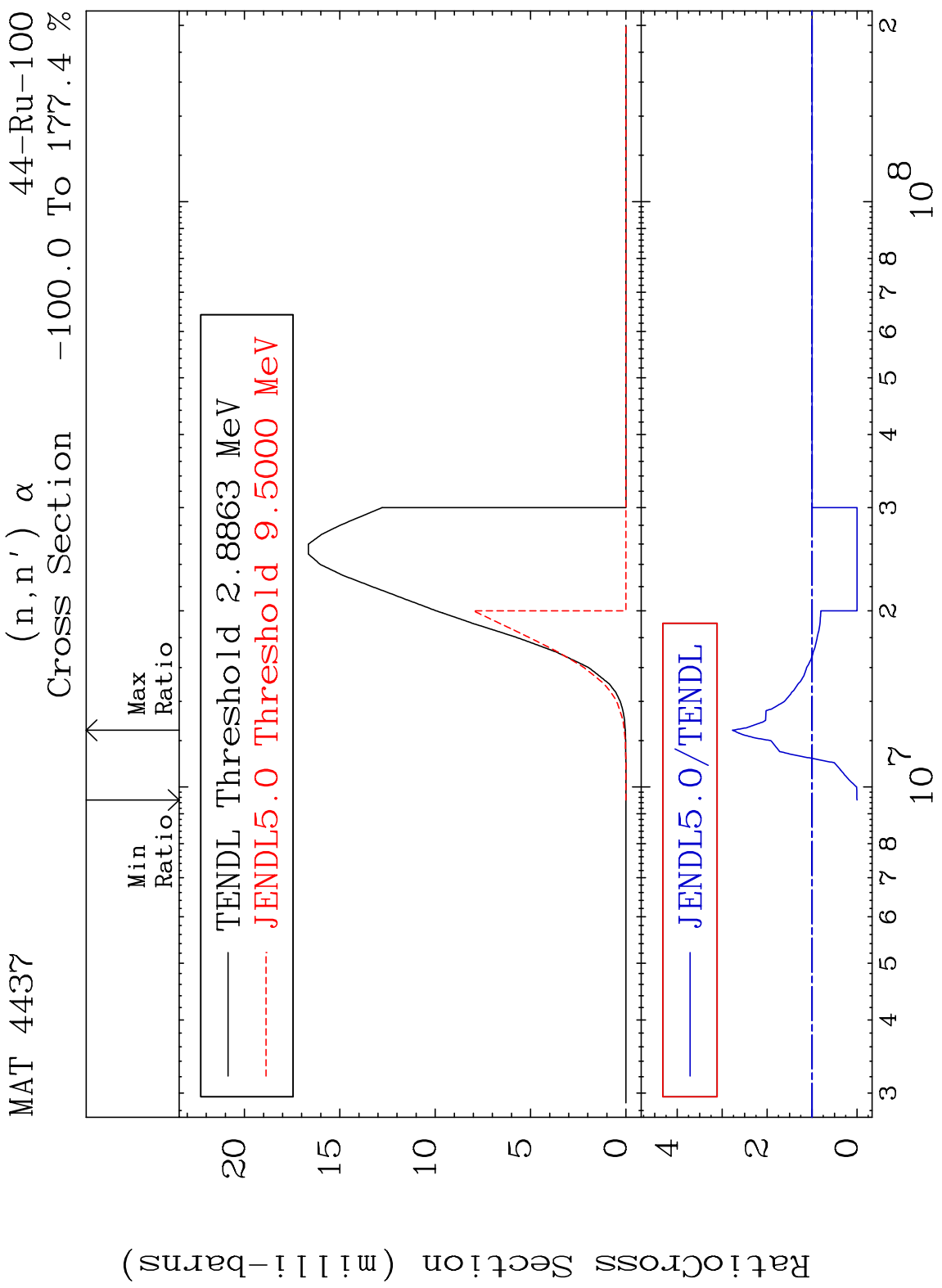
MAT 4437 (n, remainder) 44-Ru-100
 Cross Section -1.091 To 2.903 %

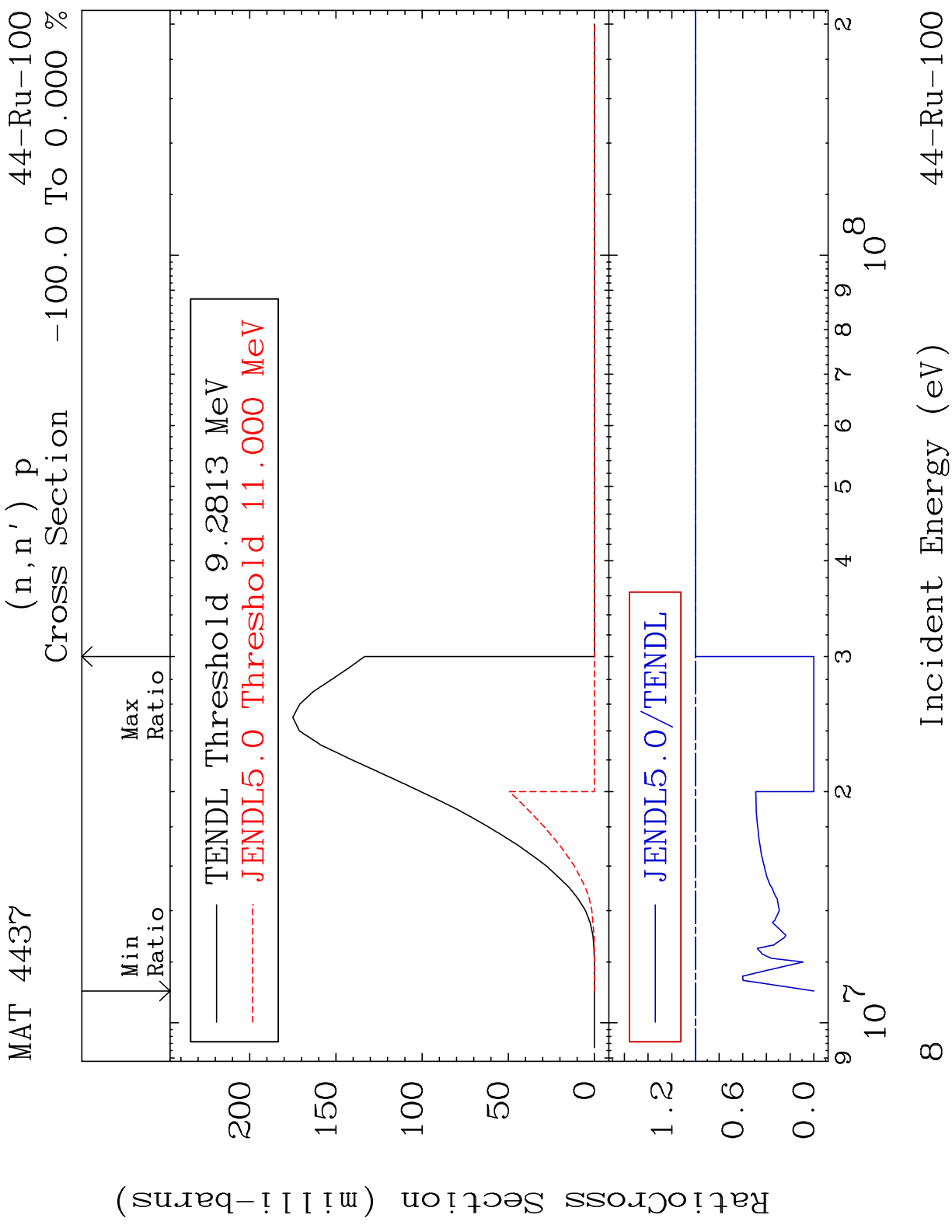


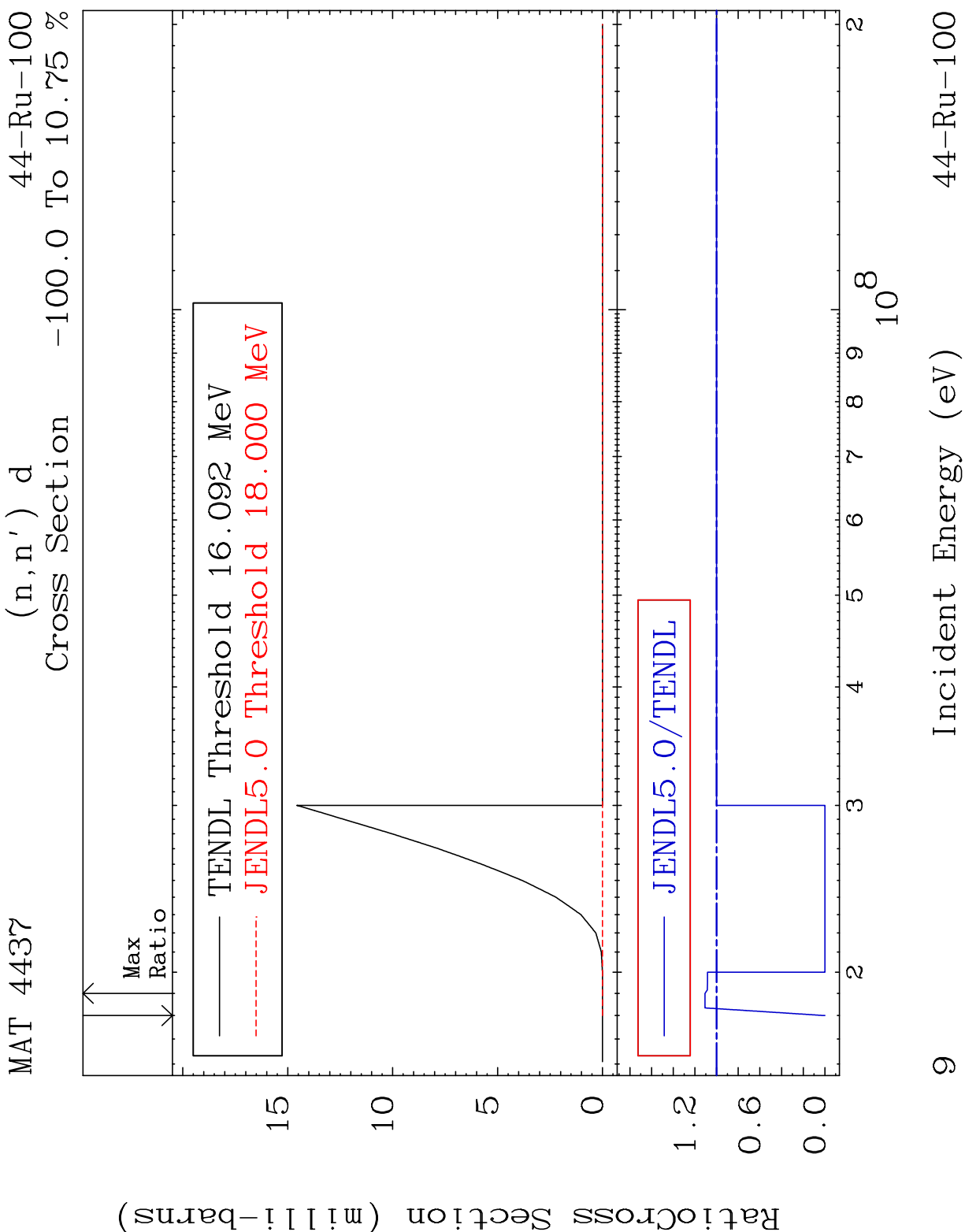
4 Incident Energy (eV) 44-Ru-100



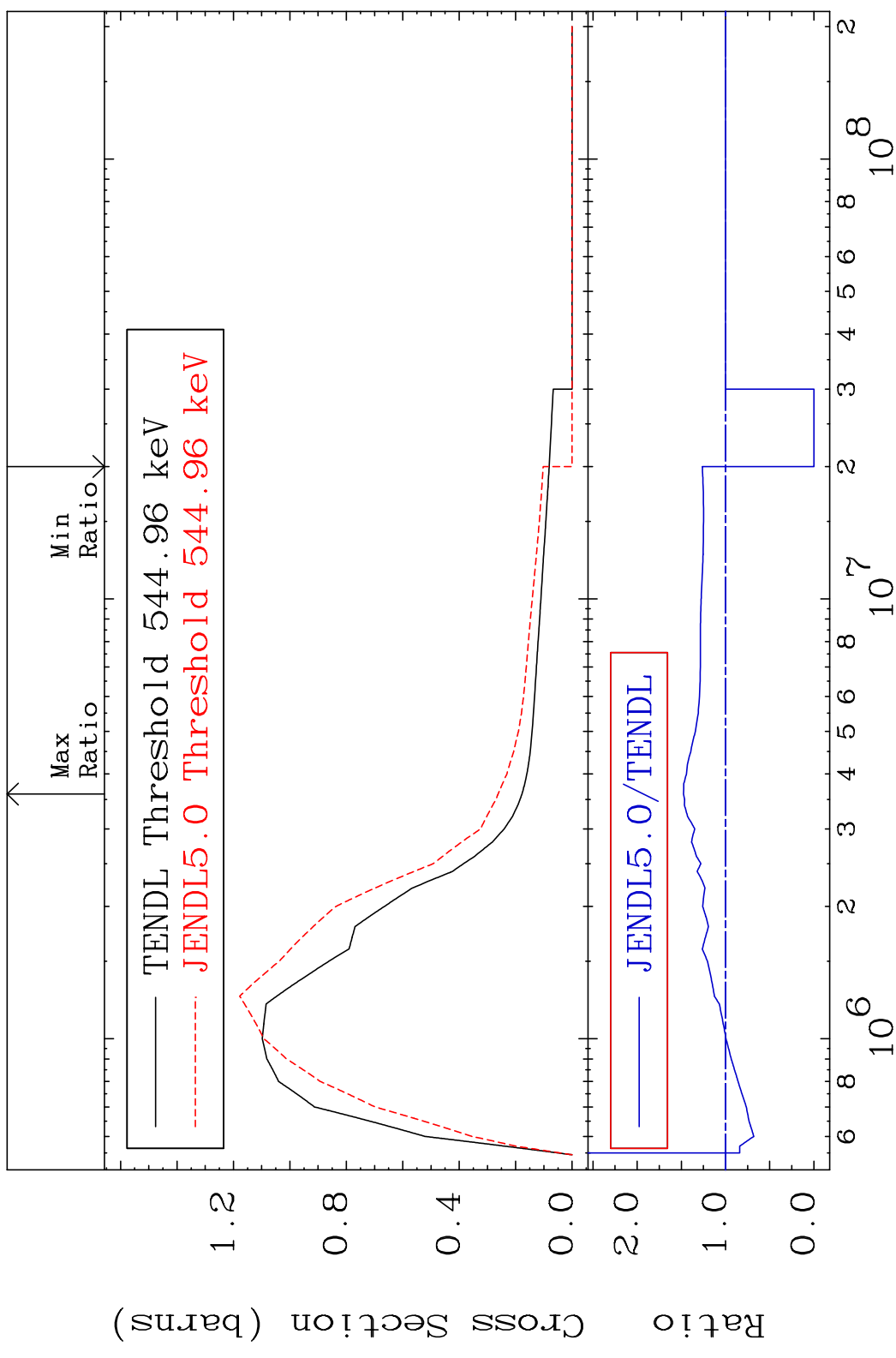






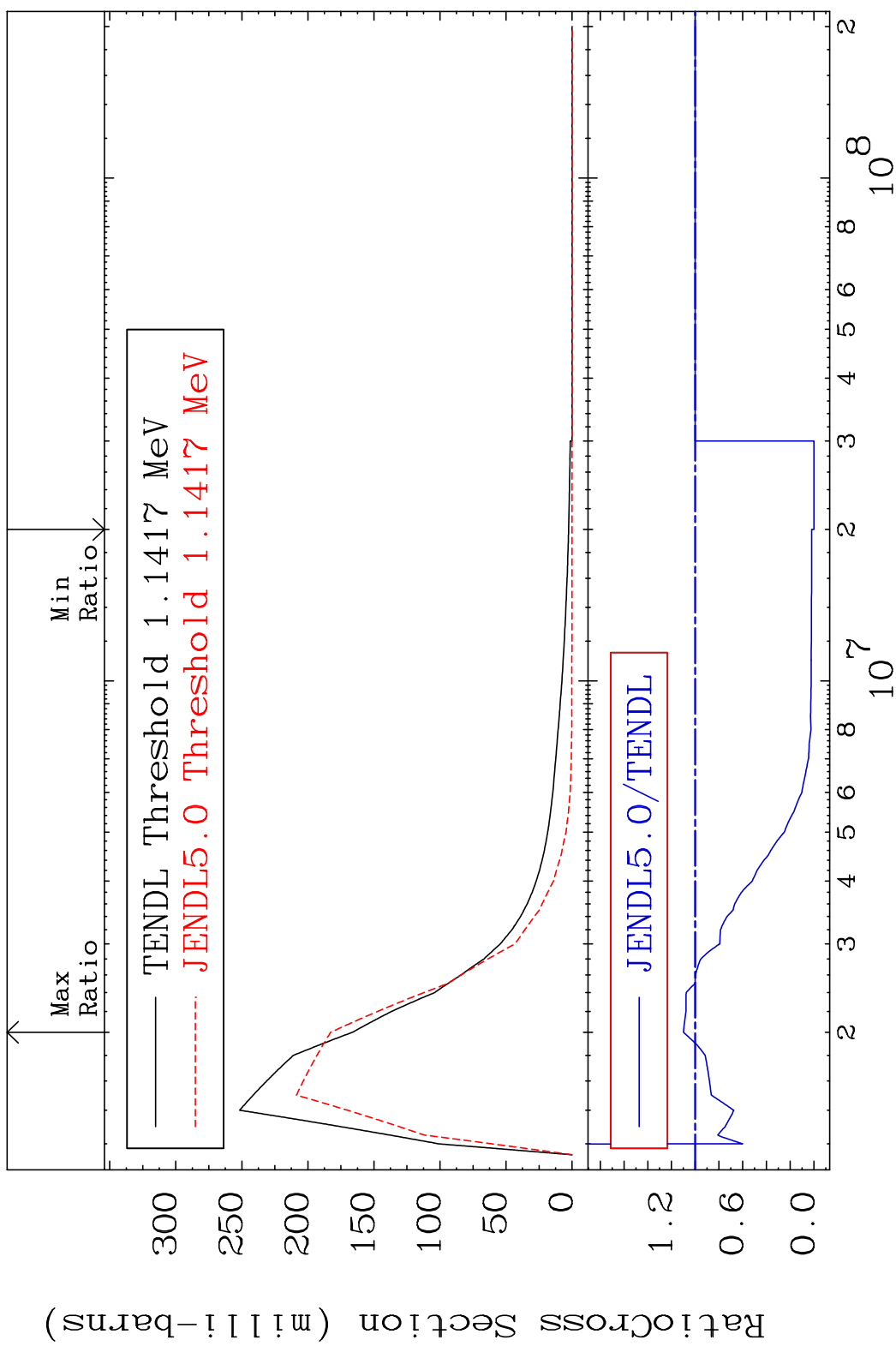


MAT 4437 MT= 51 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 47.60 %



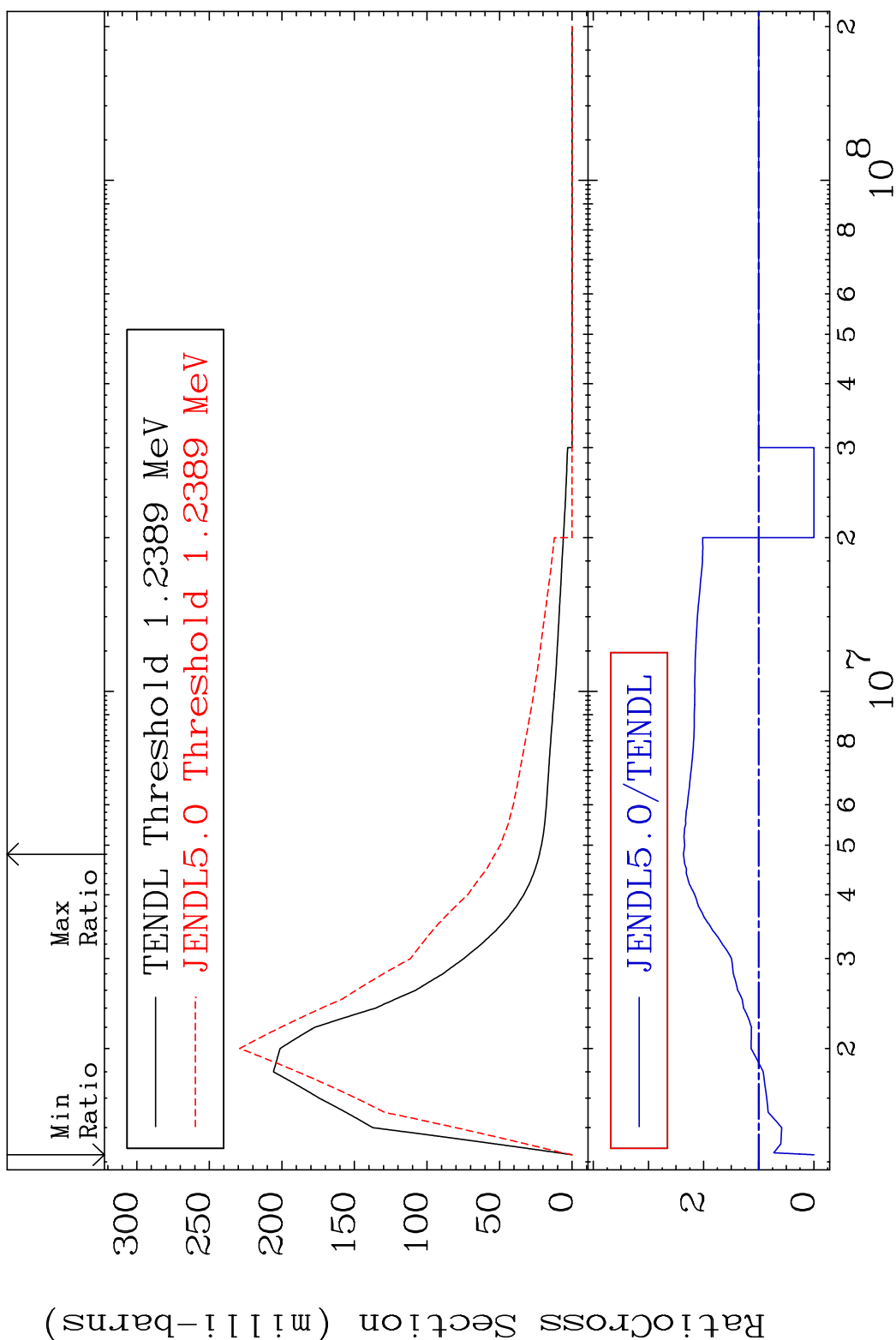
10 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 52 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9.906 %



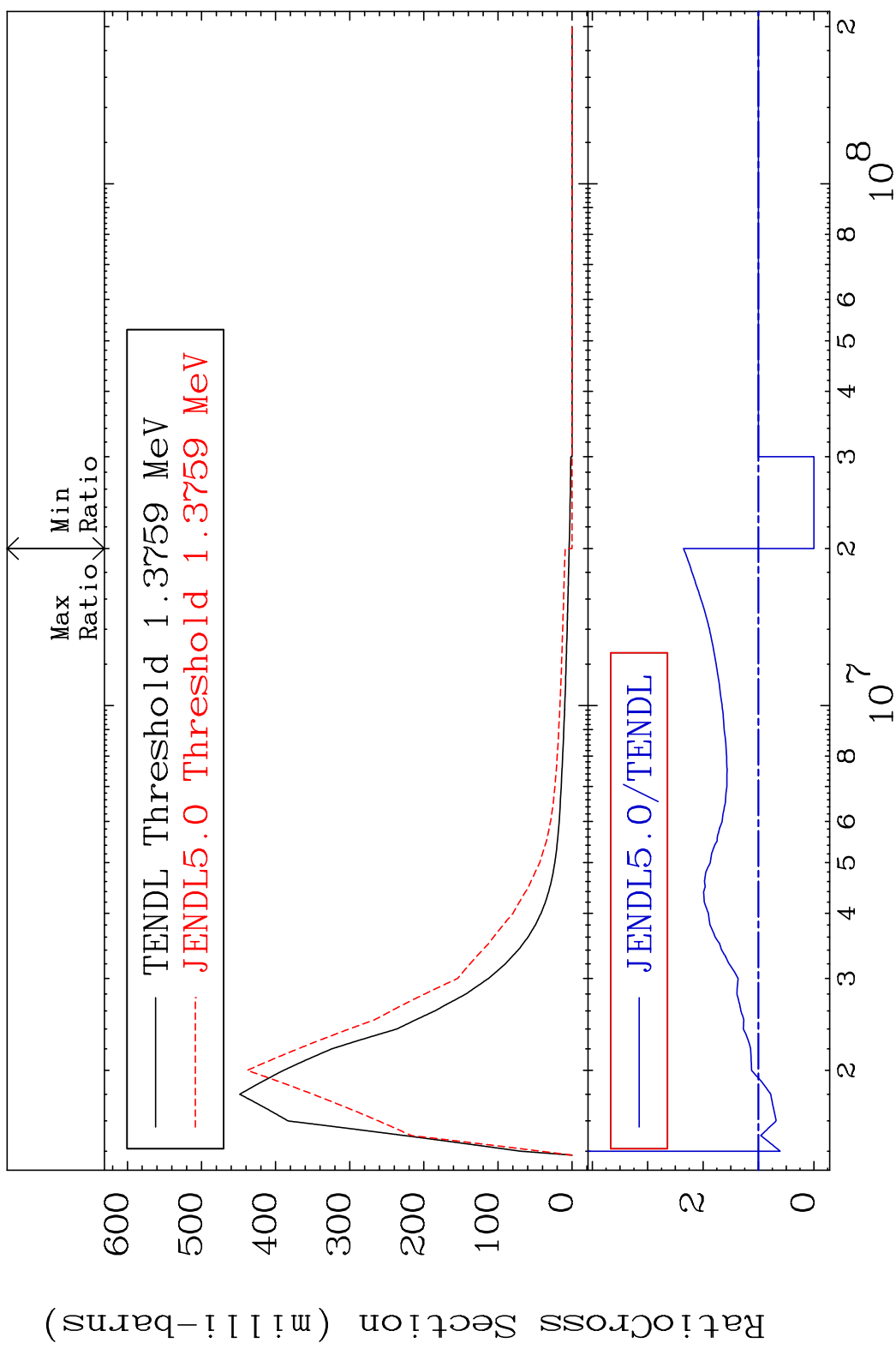
11 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 53 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 136.5 %



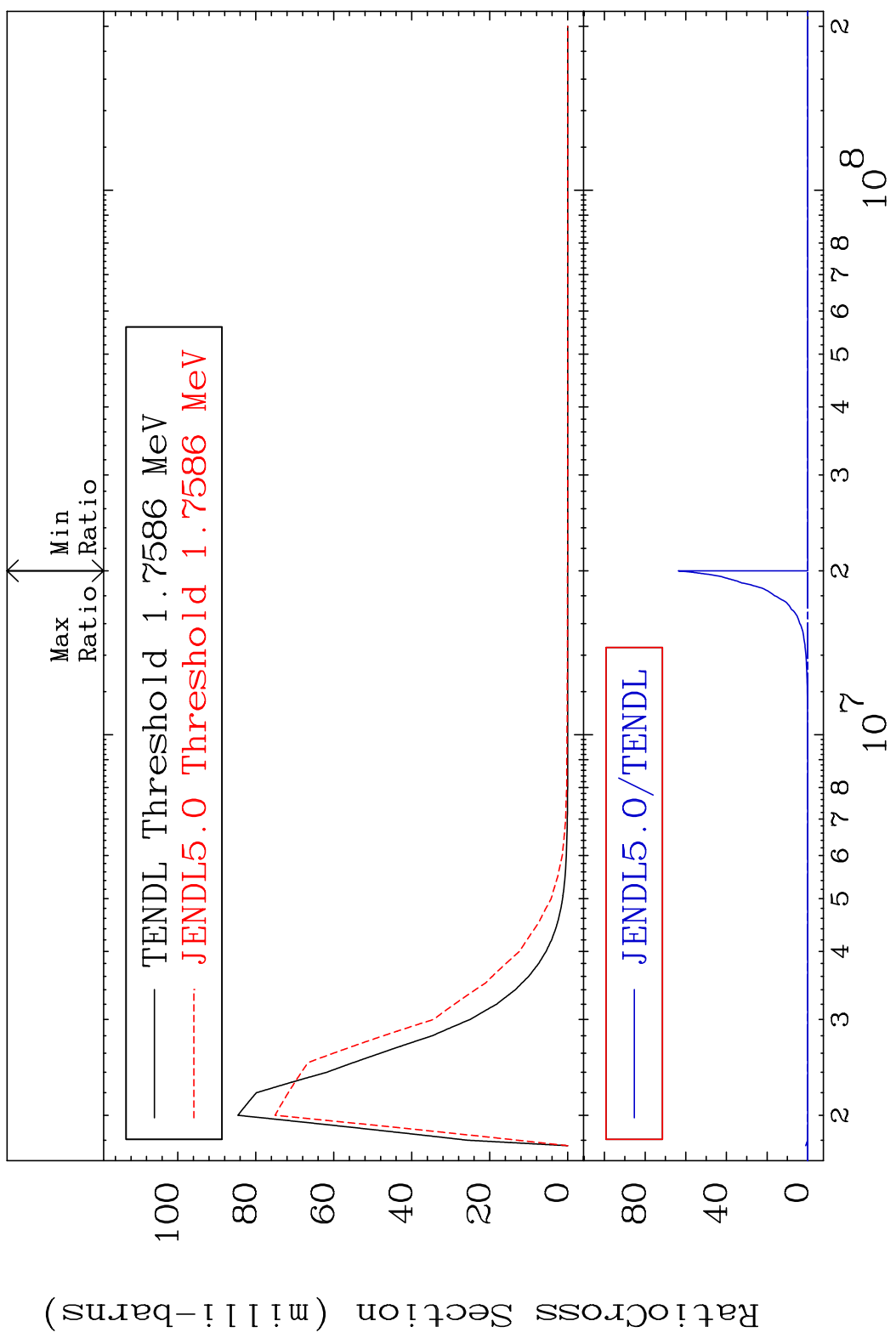
12 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 54 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 135.4 %



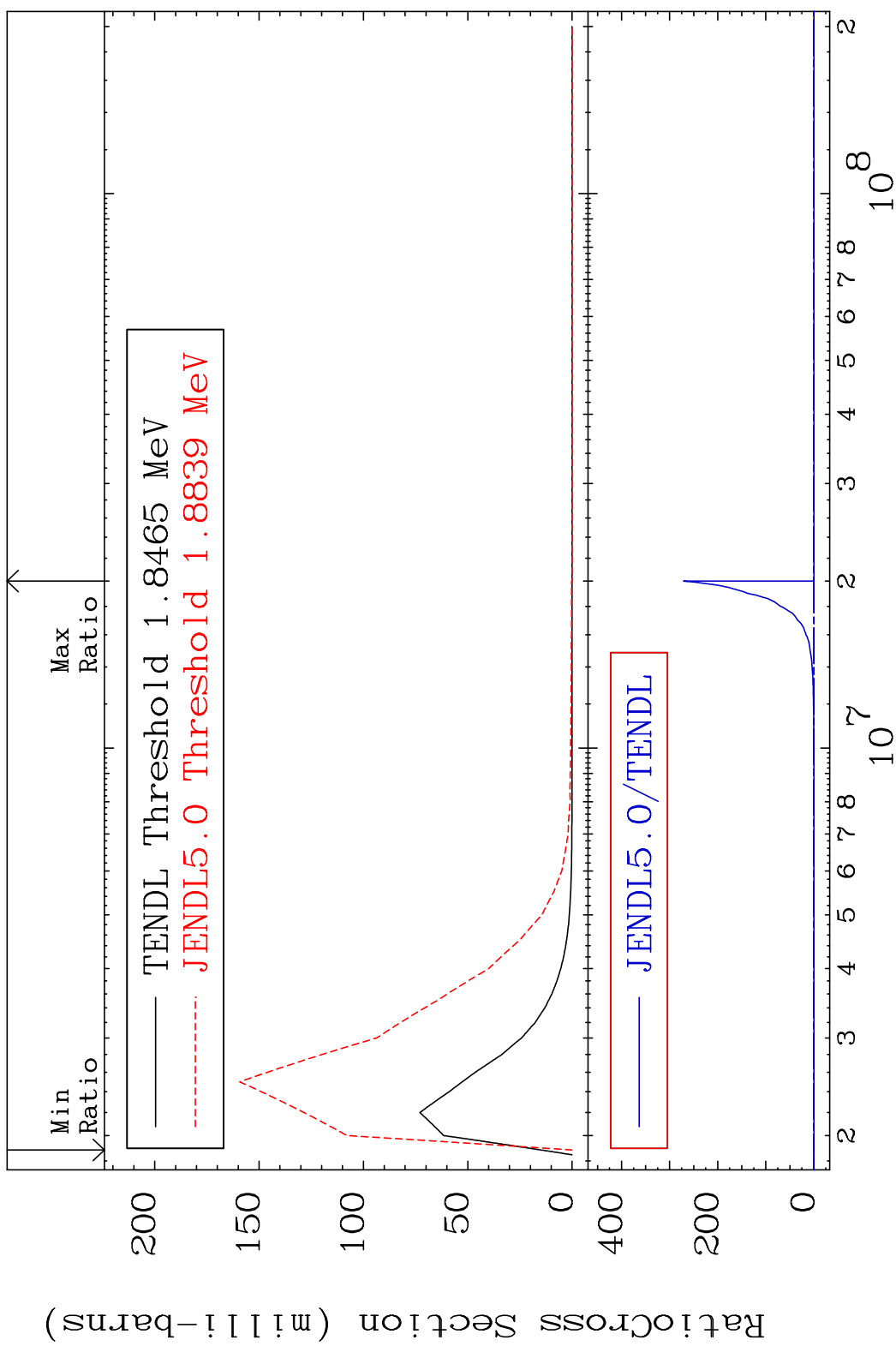
13 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 55 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



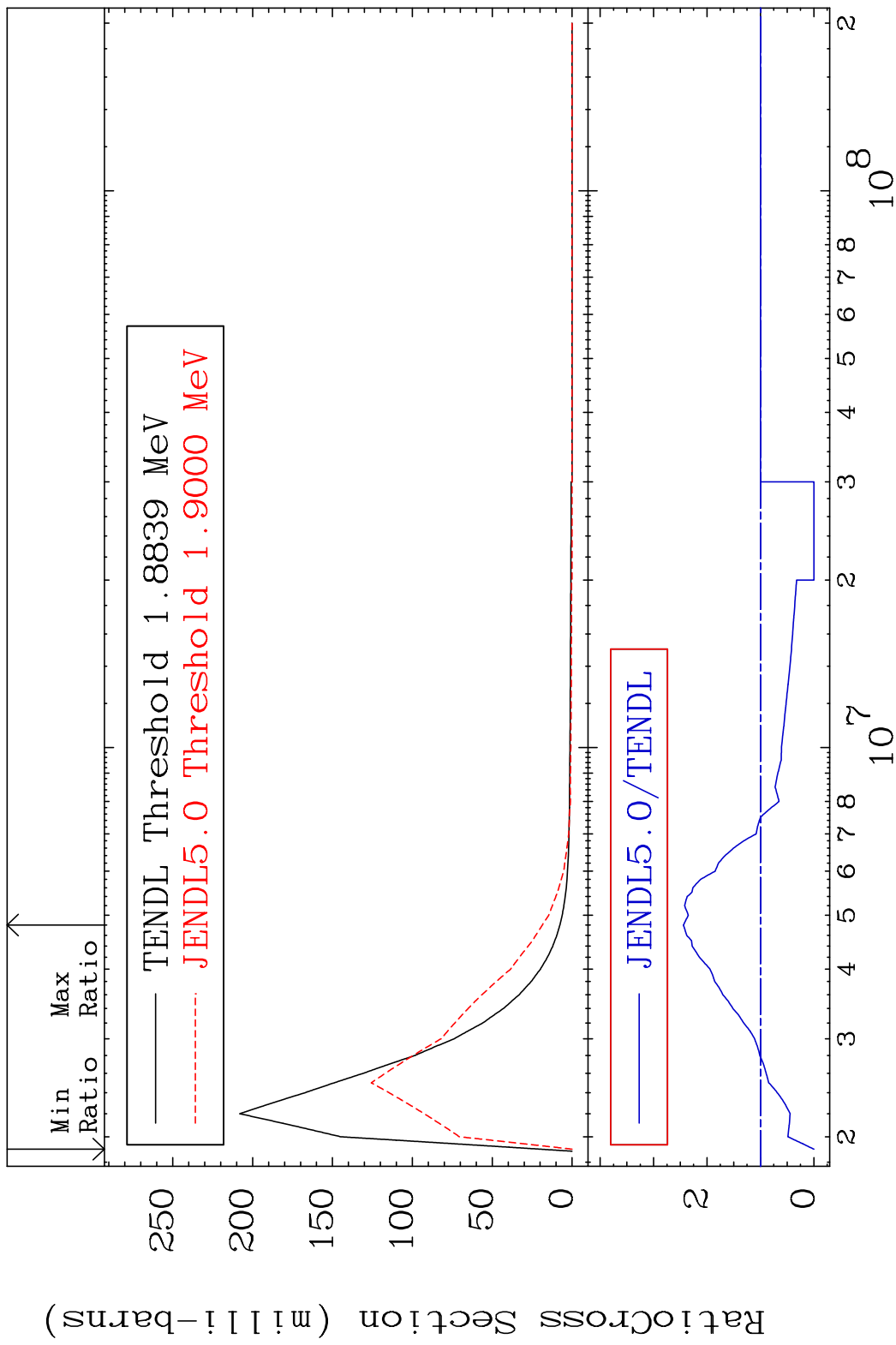
14 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 56 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



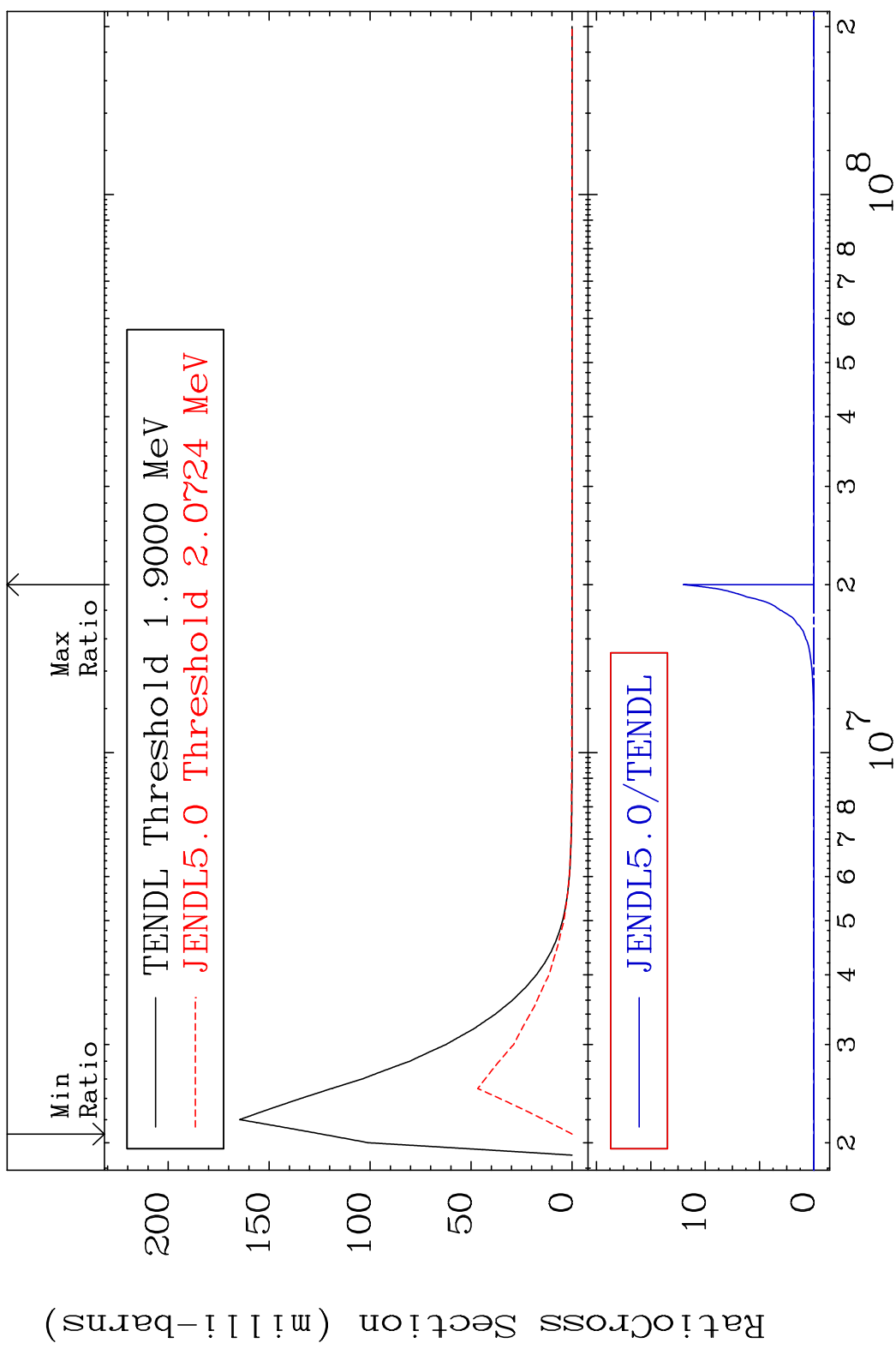
15 44-Ru-100

MAT 4437 MT= 57 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 144.1 %



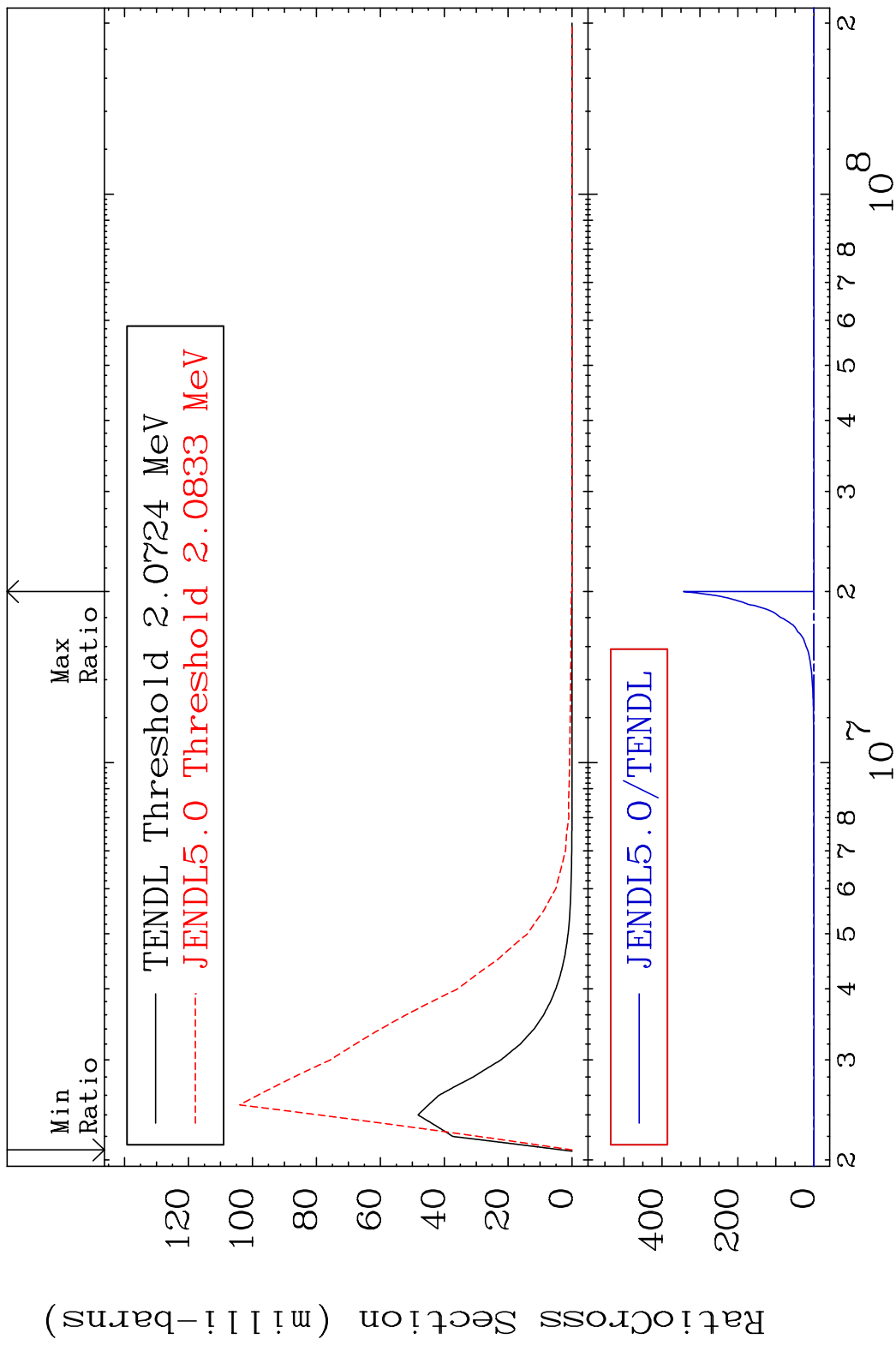
16 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 58 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



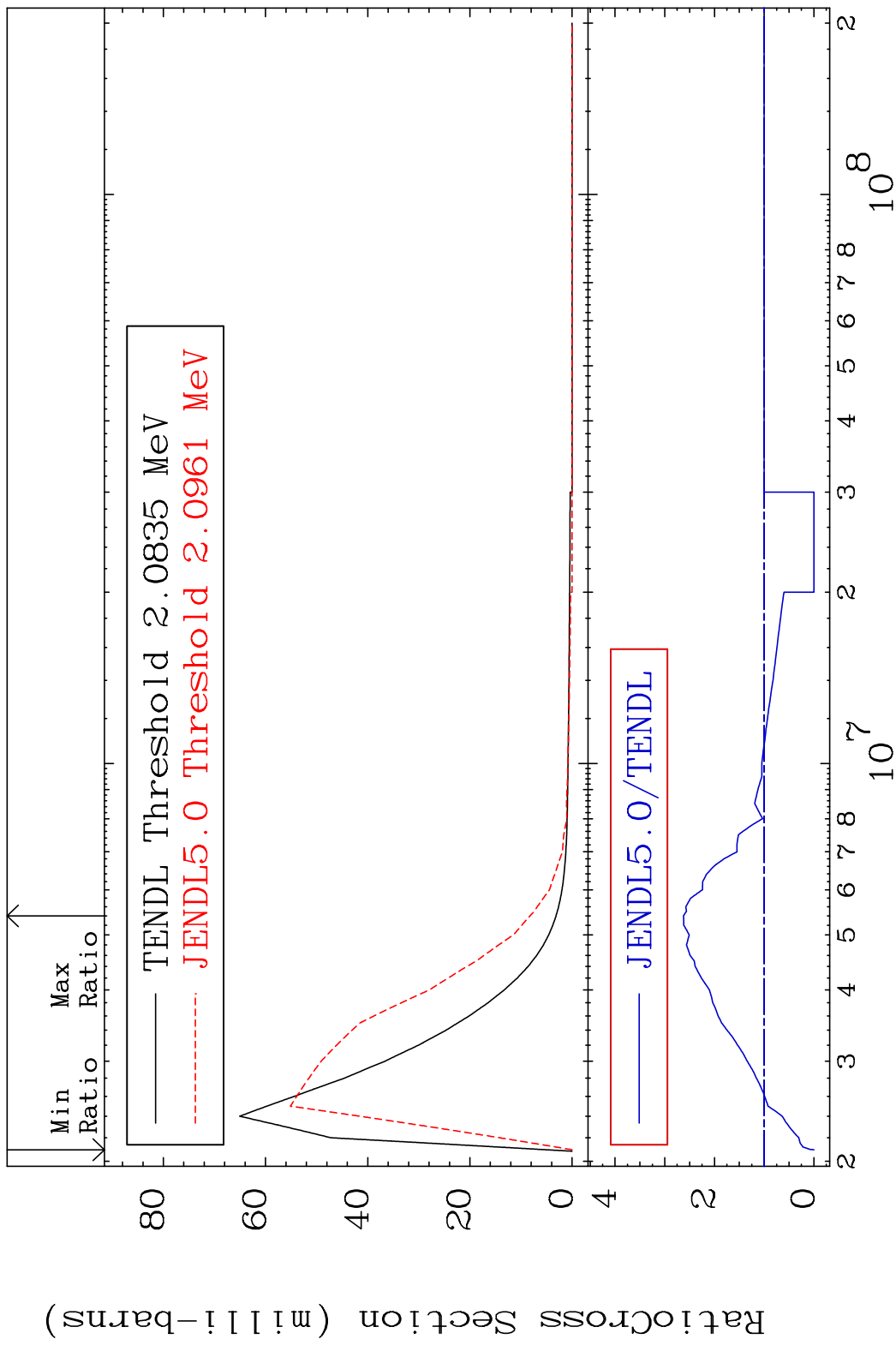
17 44-Ru-100

MAT 4437 MT= 59 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



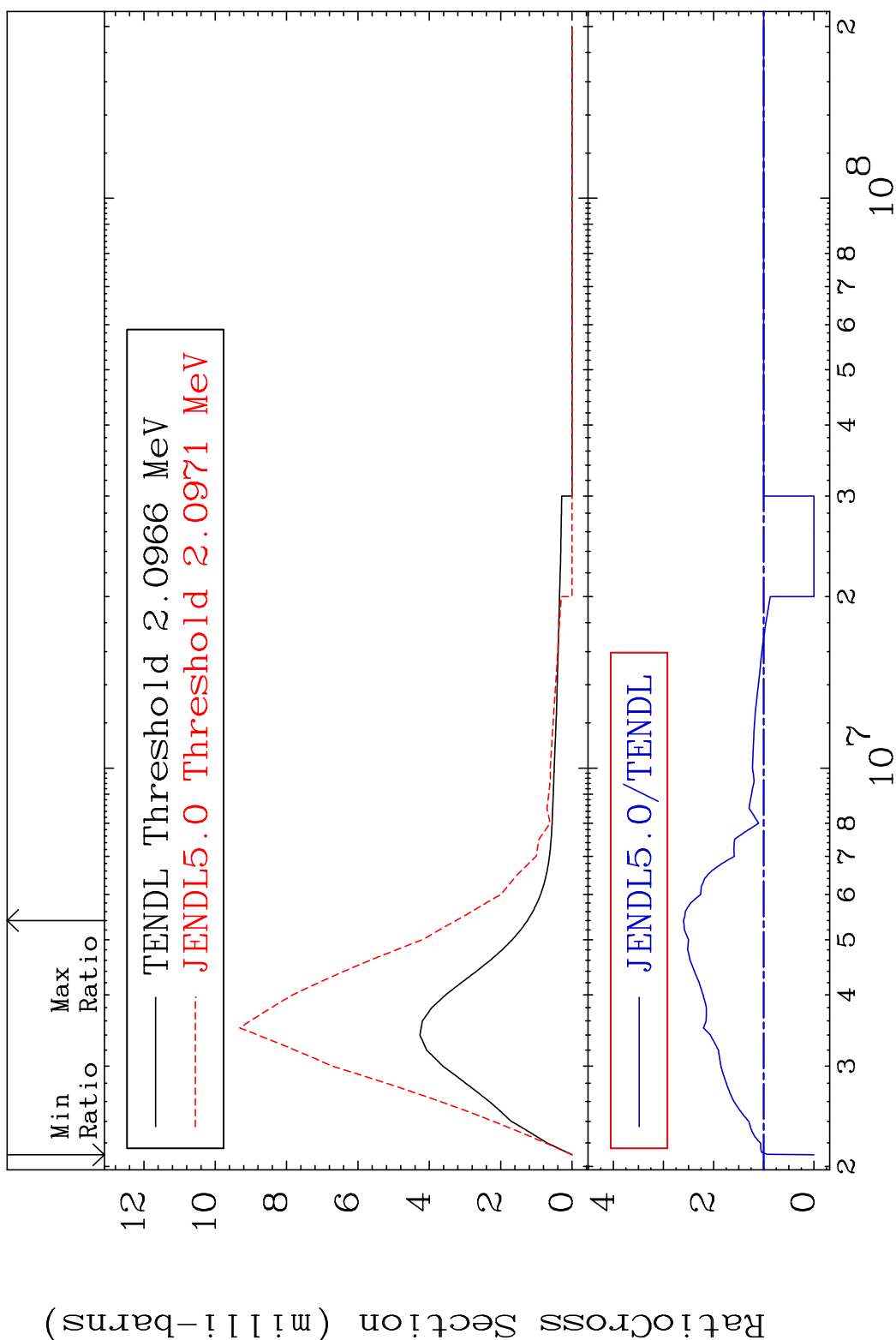
18 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 60 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 162.4 %



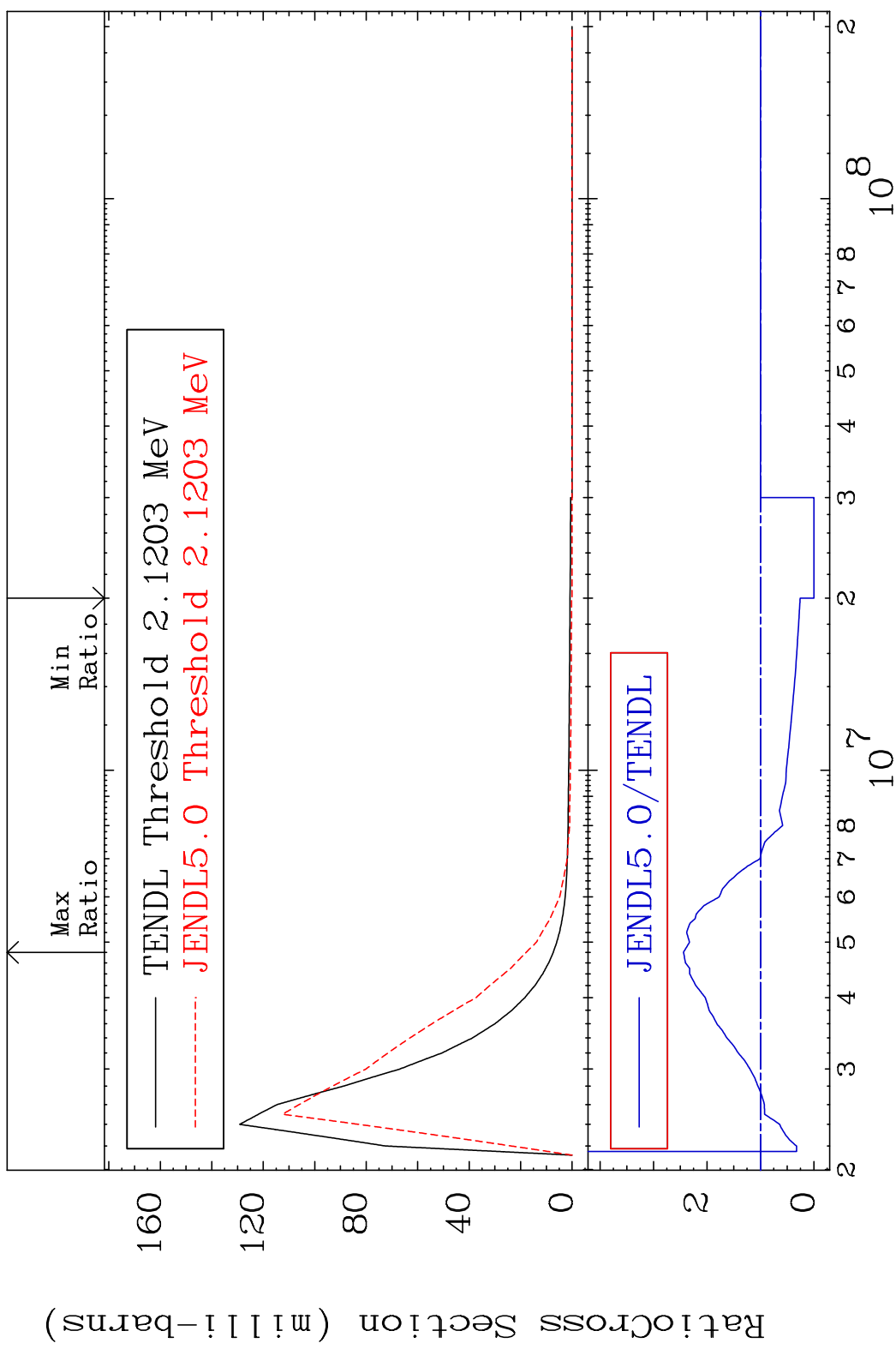
19 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 61 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 160.1 %



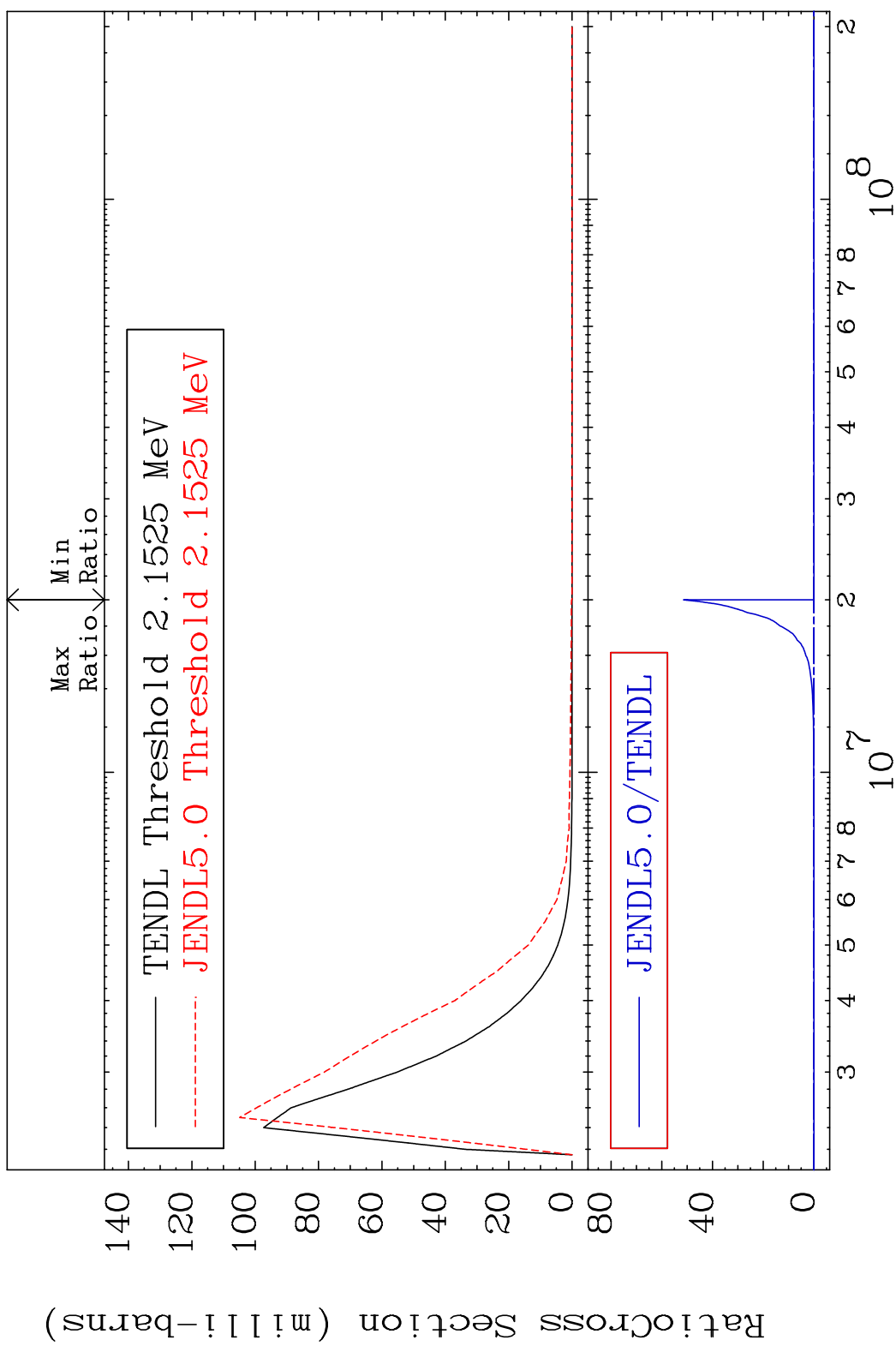
20 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 62 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 144.0 %



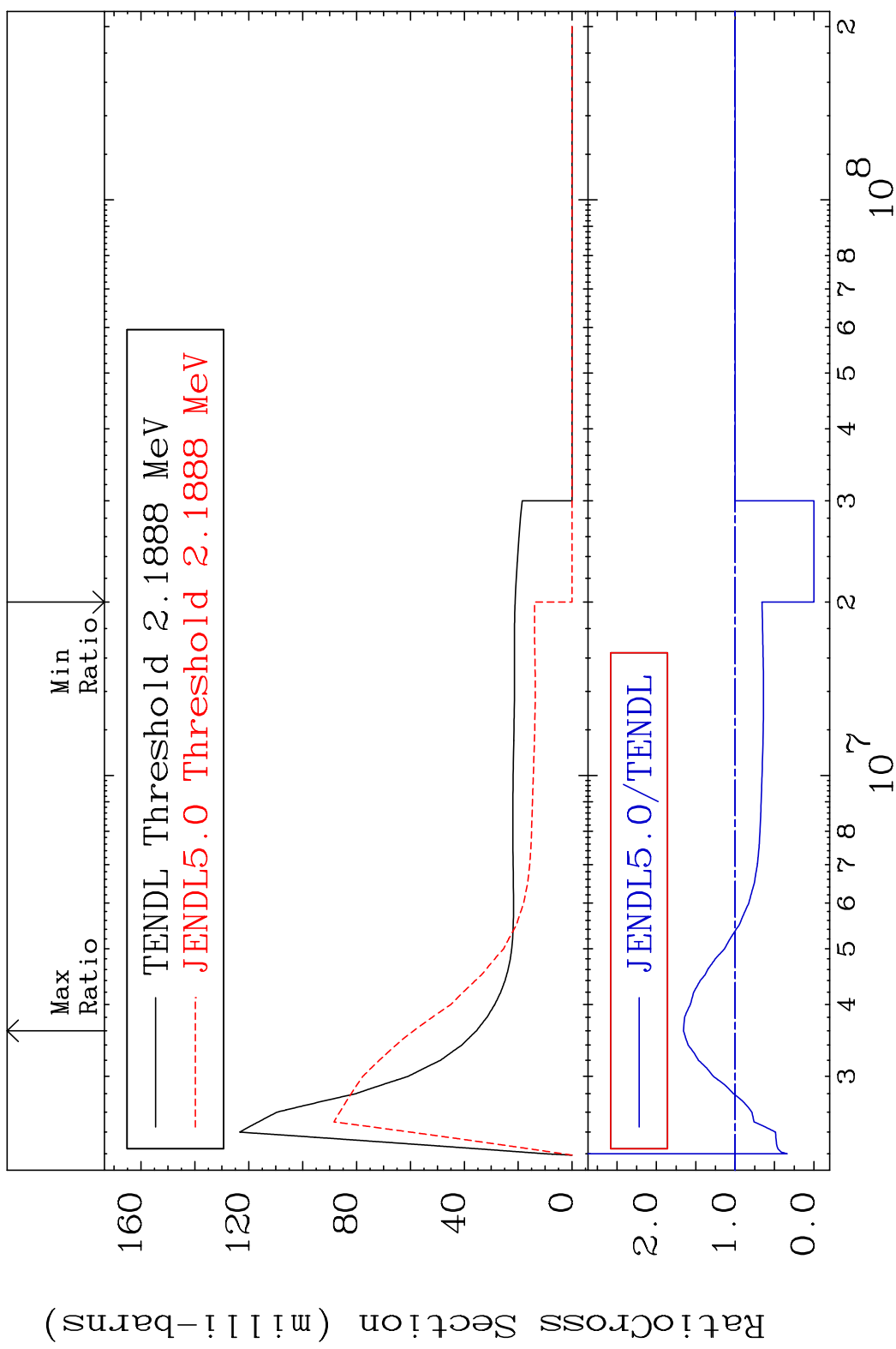
21 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 63 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %

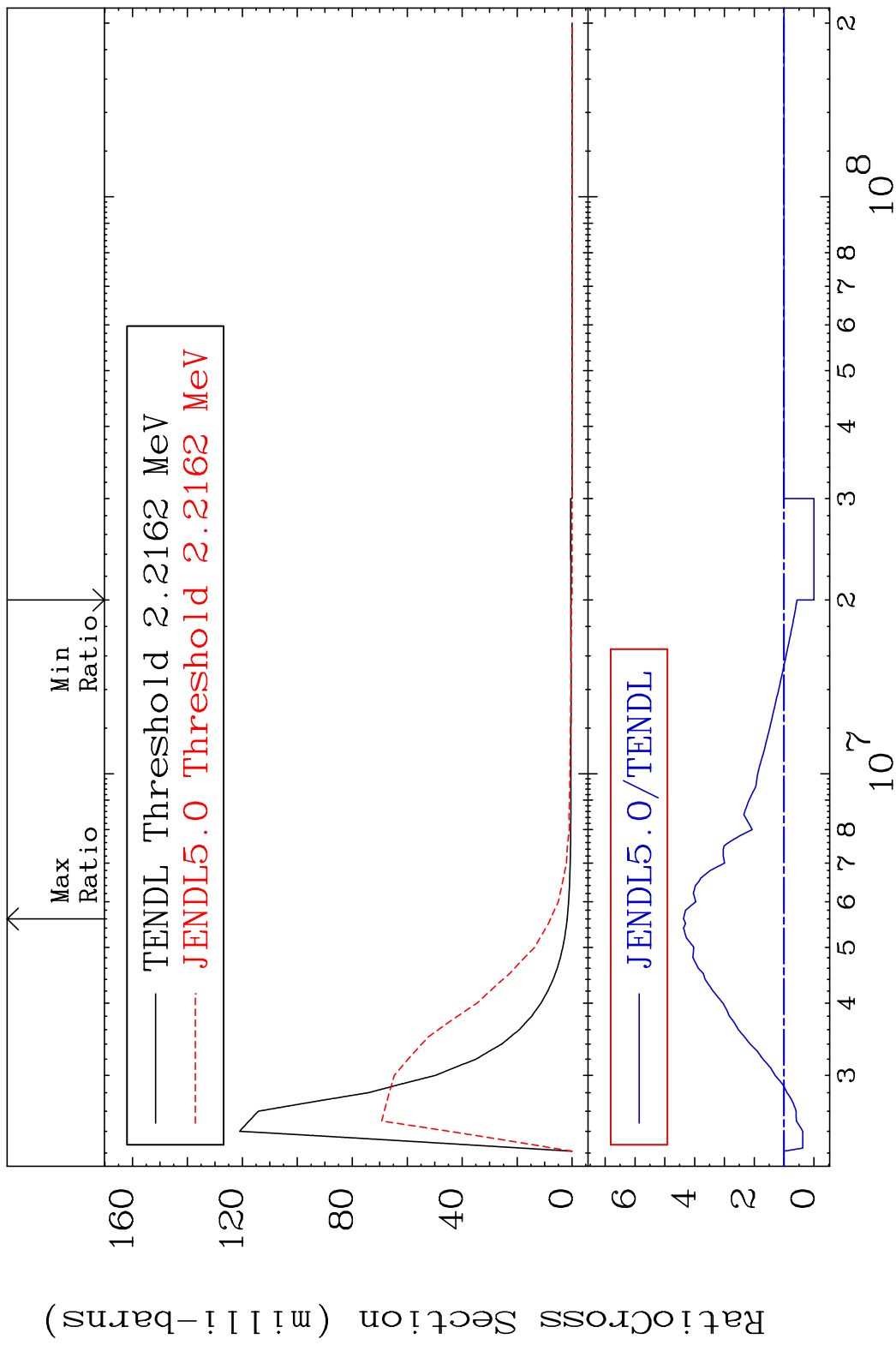


22 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 64 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 65.62 %

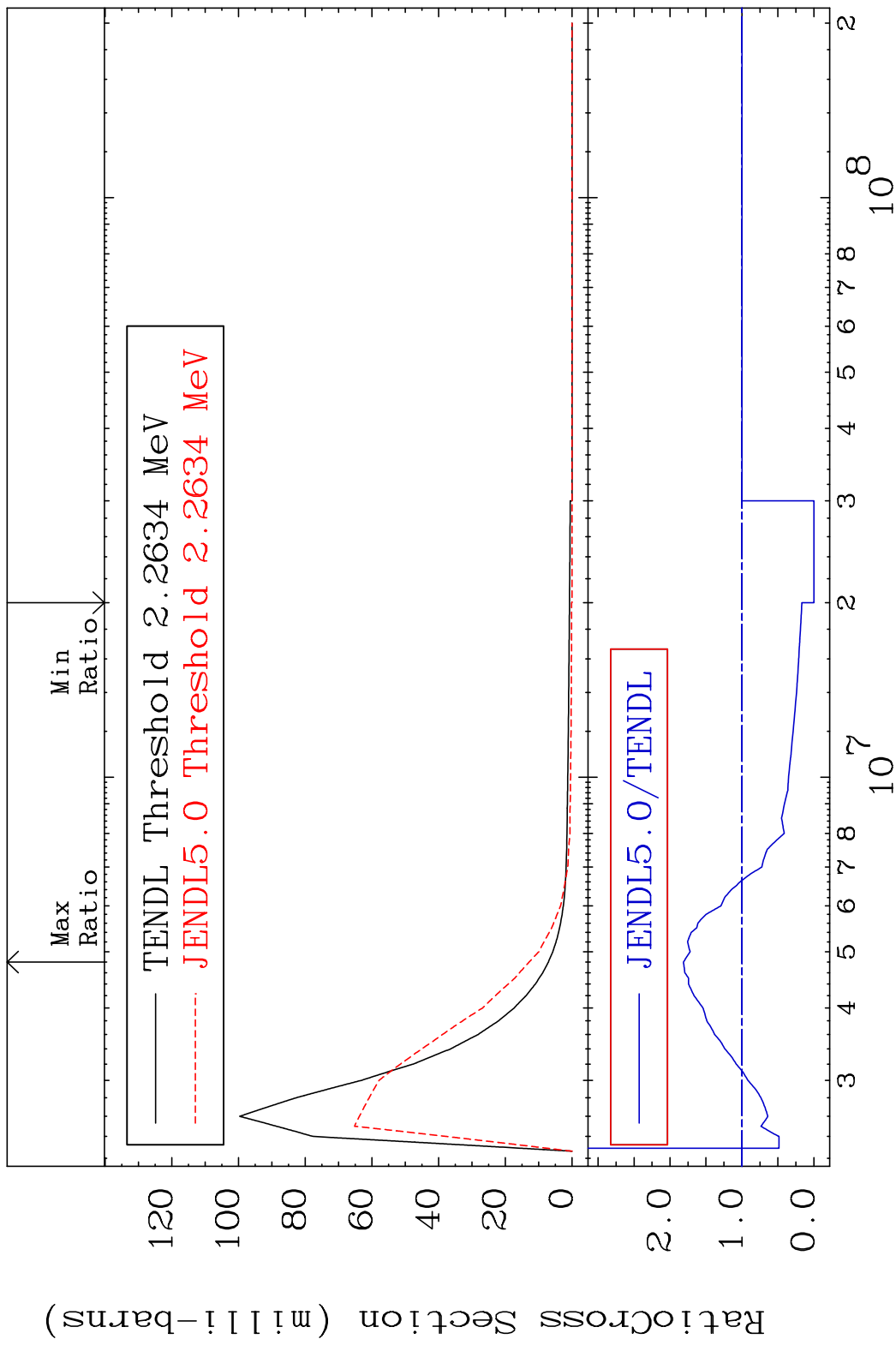


MAT 4437 MT= 65 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 337.4 %



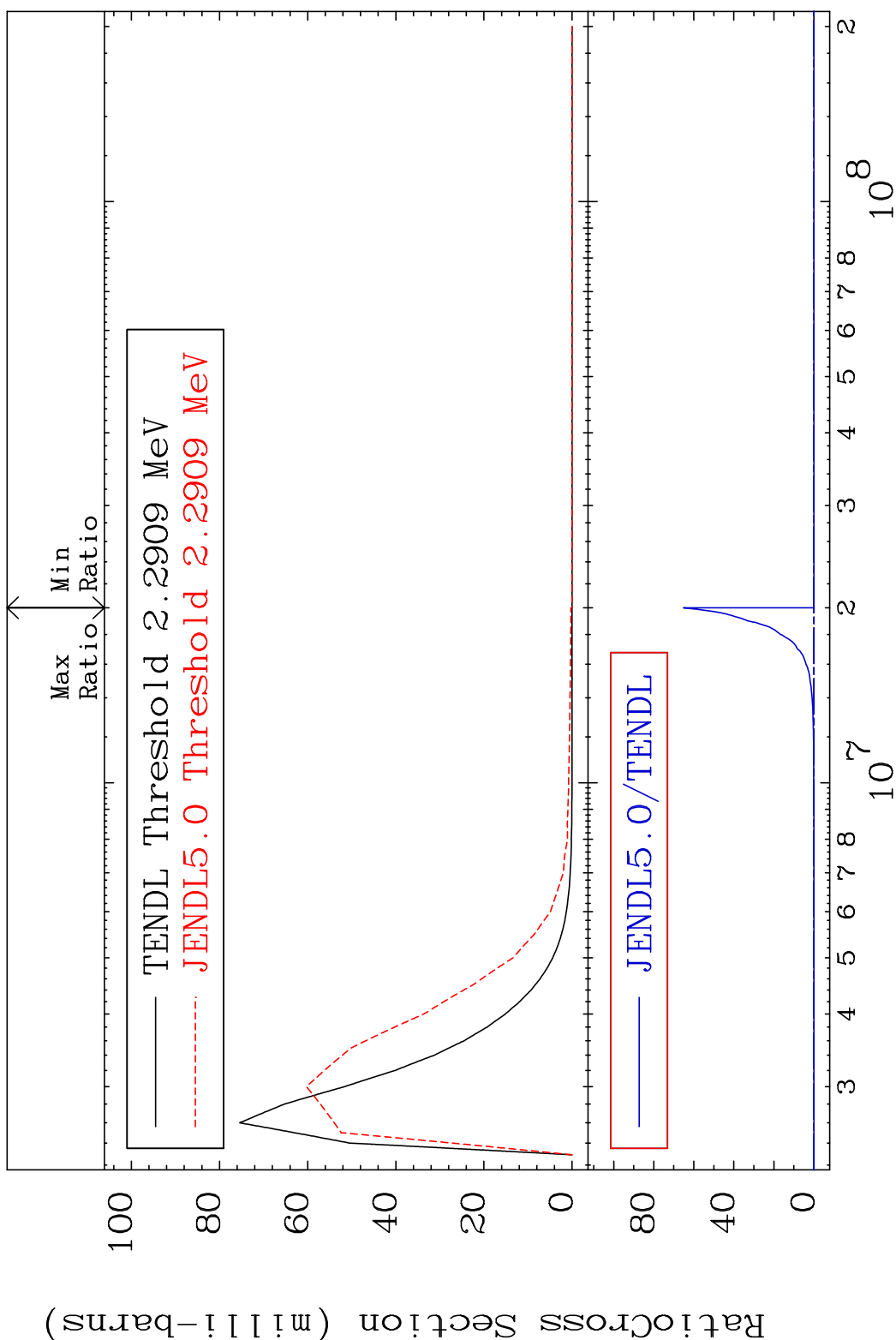
24 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 66 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 81.32 %



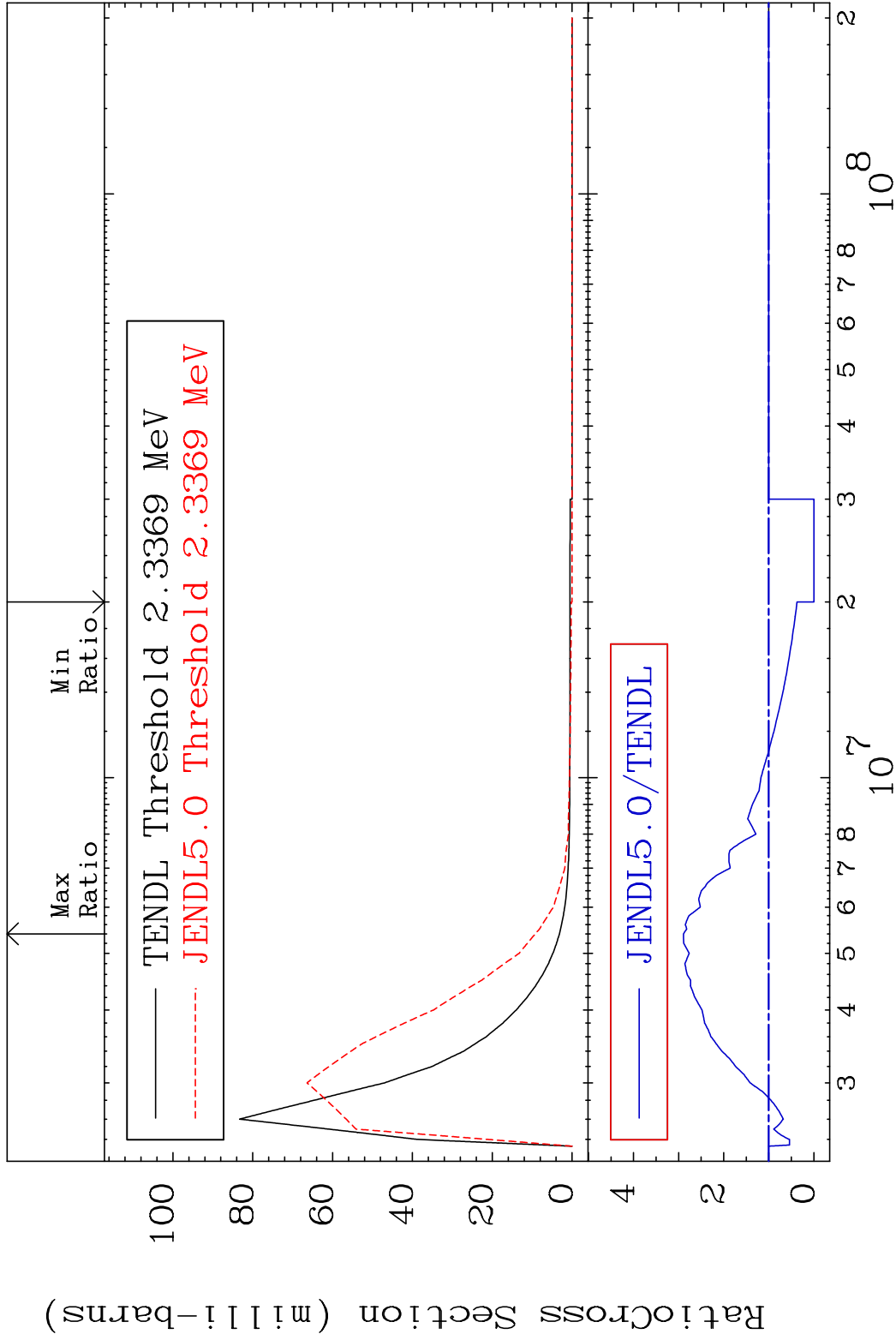
25 44-Ru-100

MAT 4437 MT= 67 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



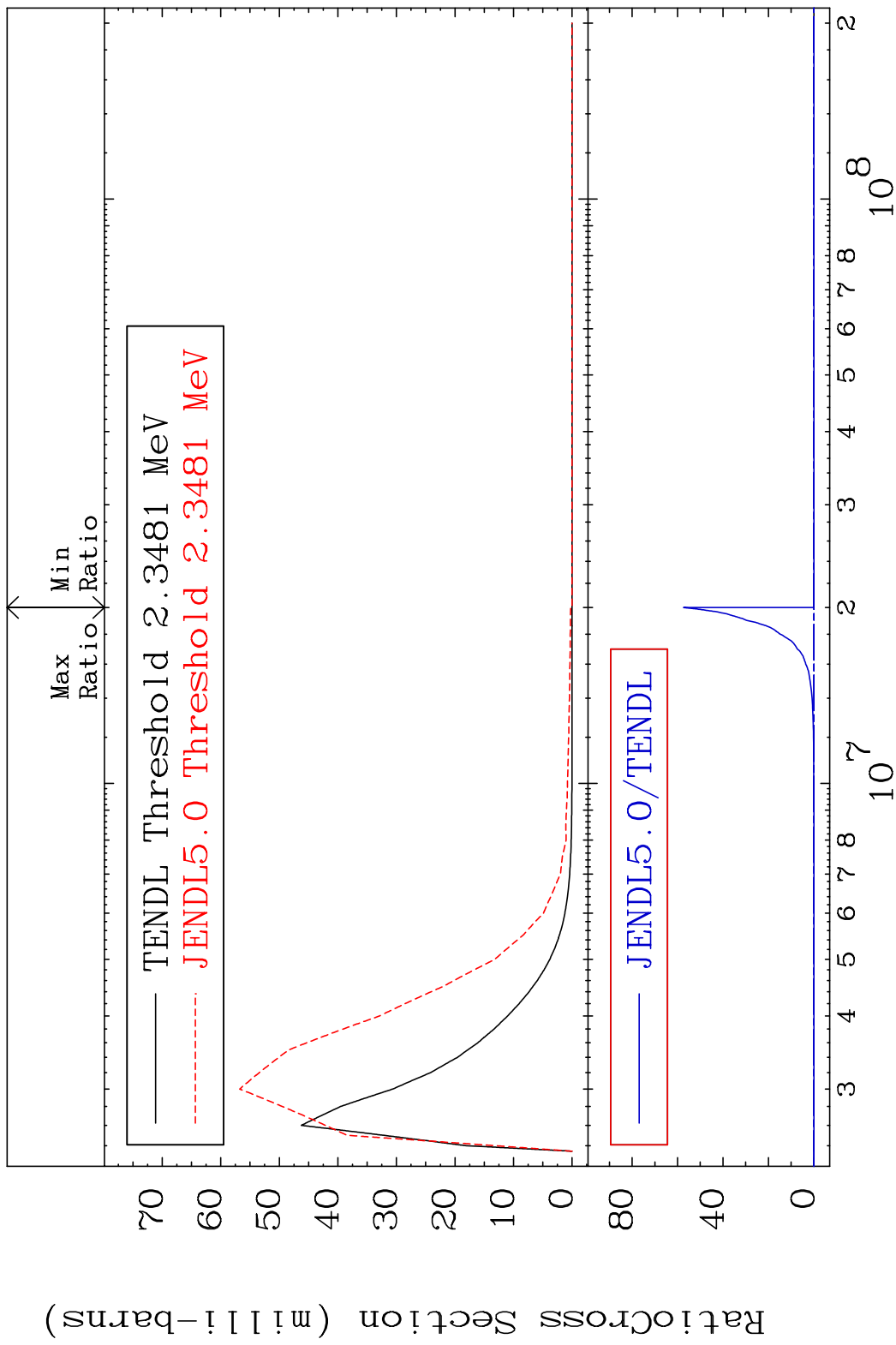
26 44-Ru-100

MAT 4437 MT= 68 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 189.3 %



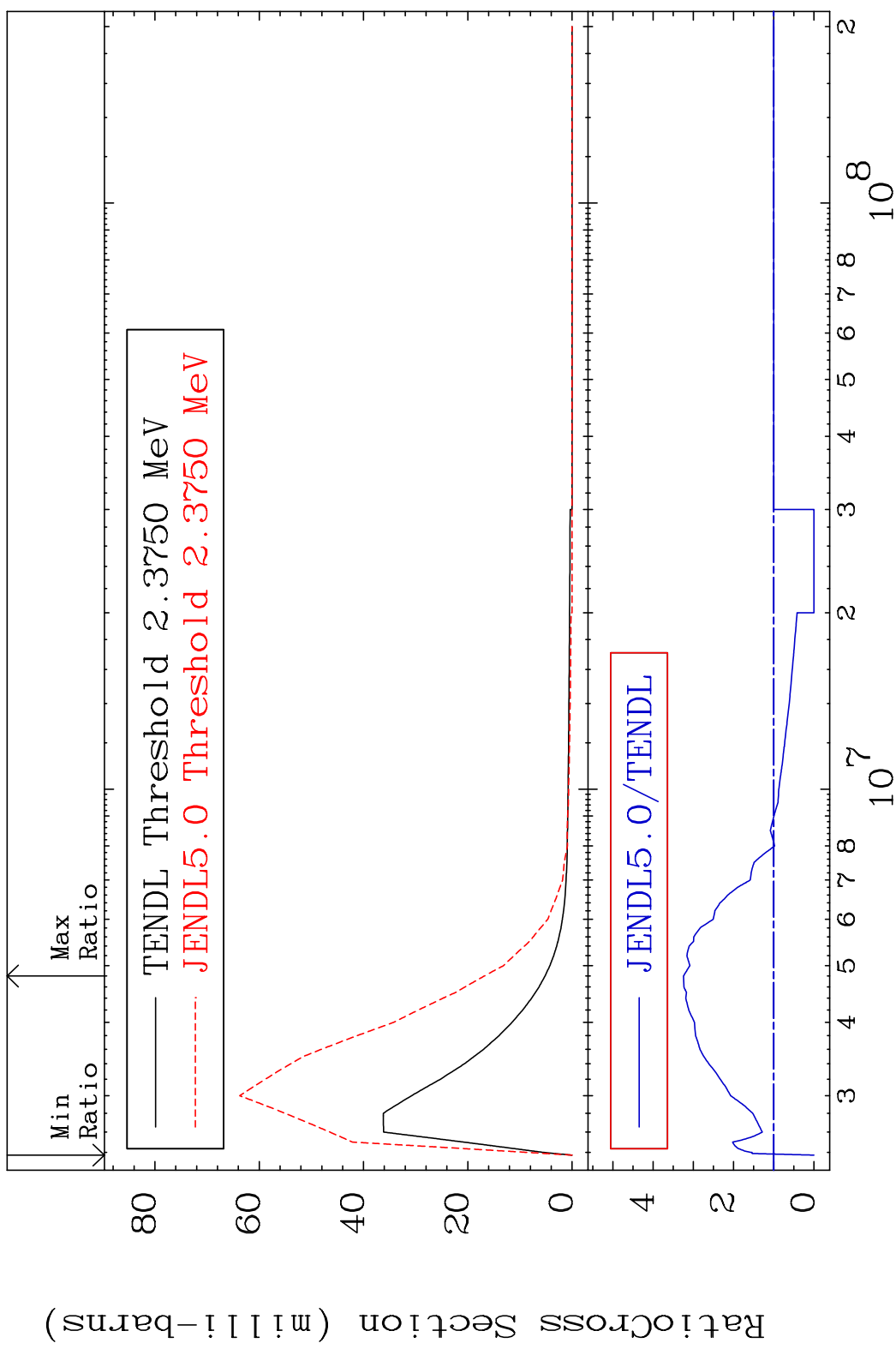
27 44-Ru-100

MAT 4437 MT= 69 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



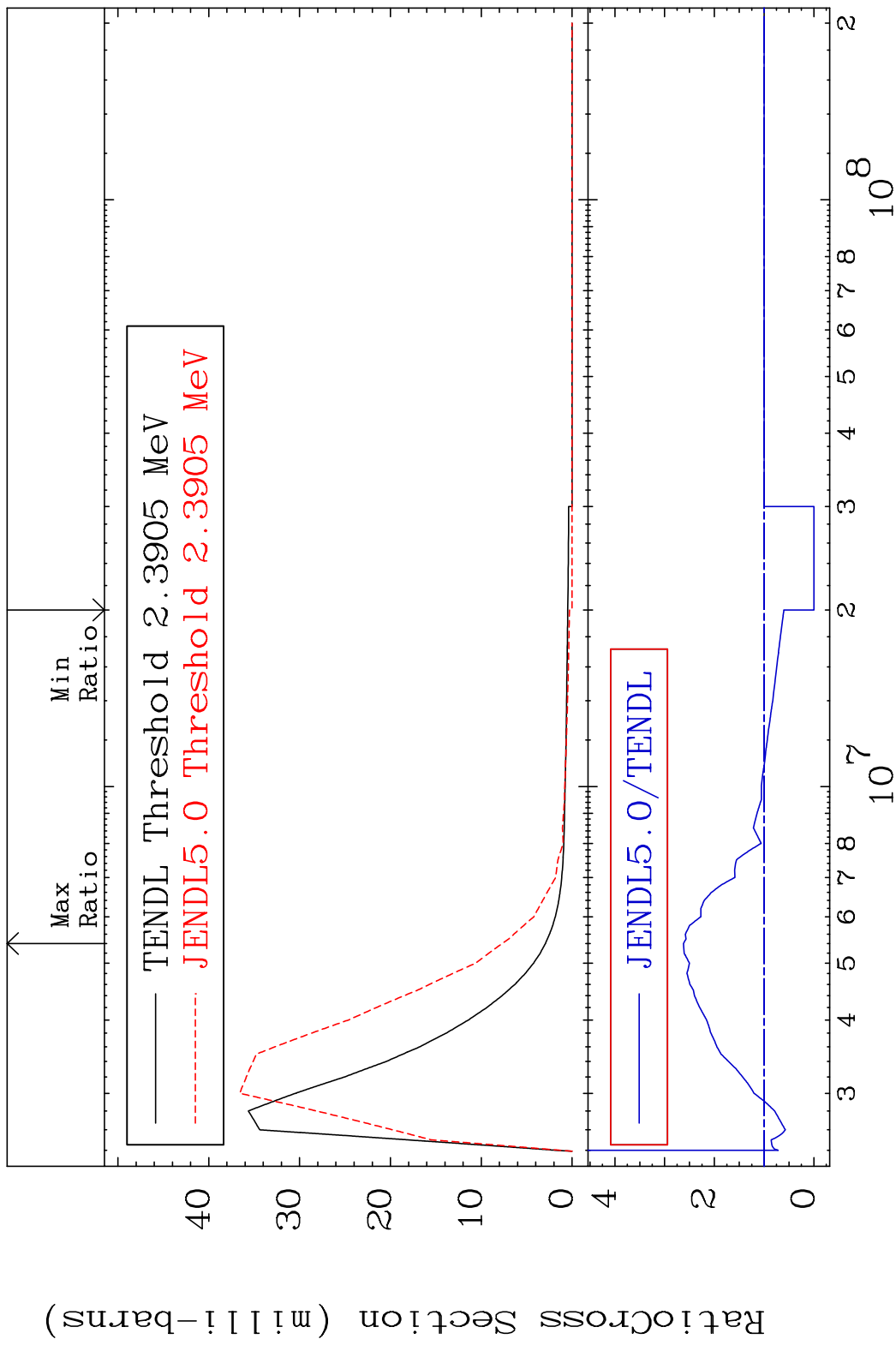
28 44-Ru-100

MAT 4437 MT= 70 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 224.5 %



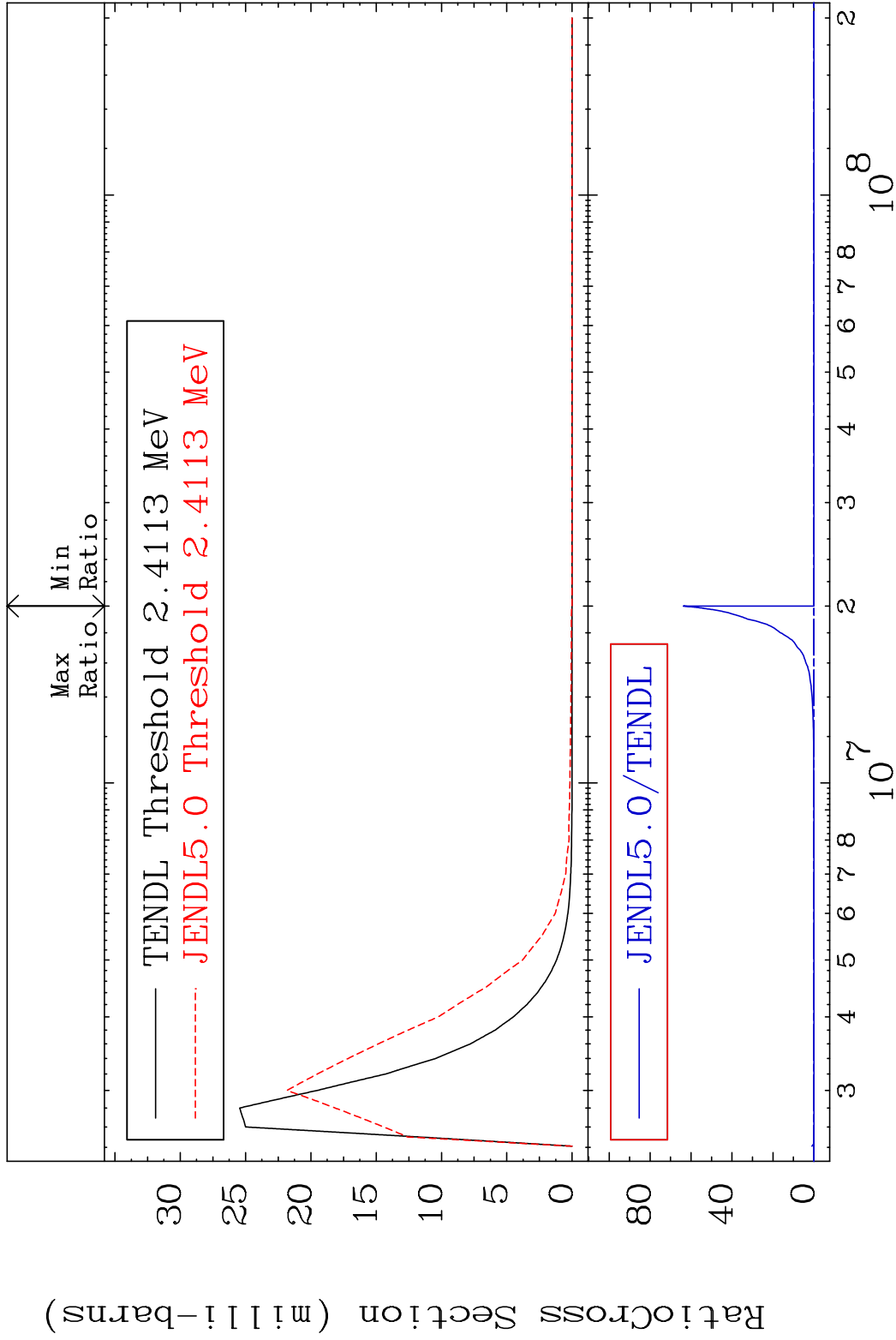
29 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 71 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 162.2 %



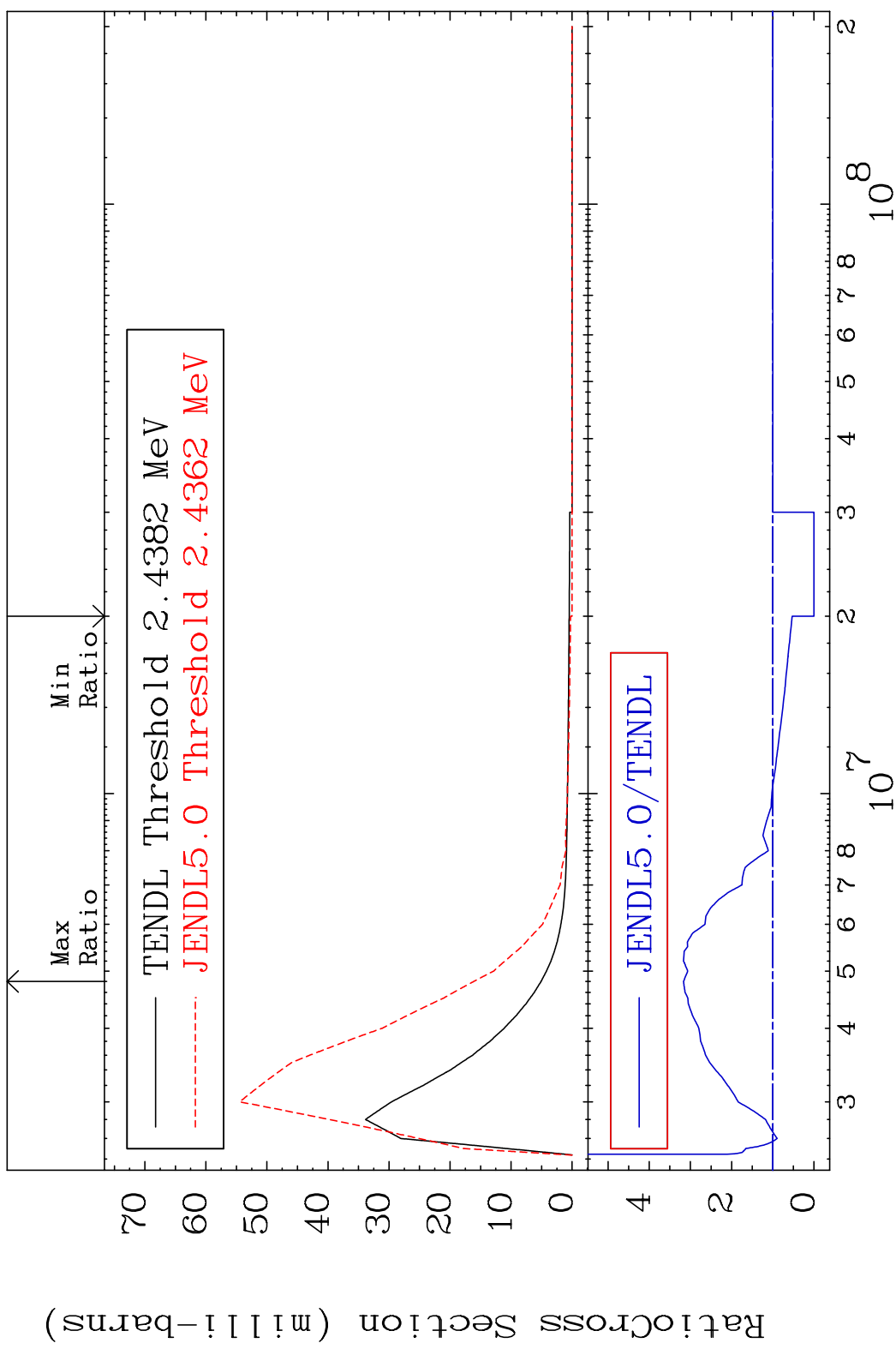
30 44-Ru-100

MAT 4437 MT= 72 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



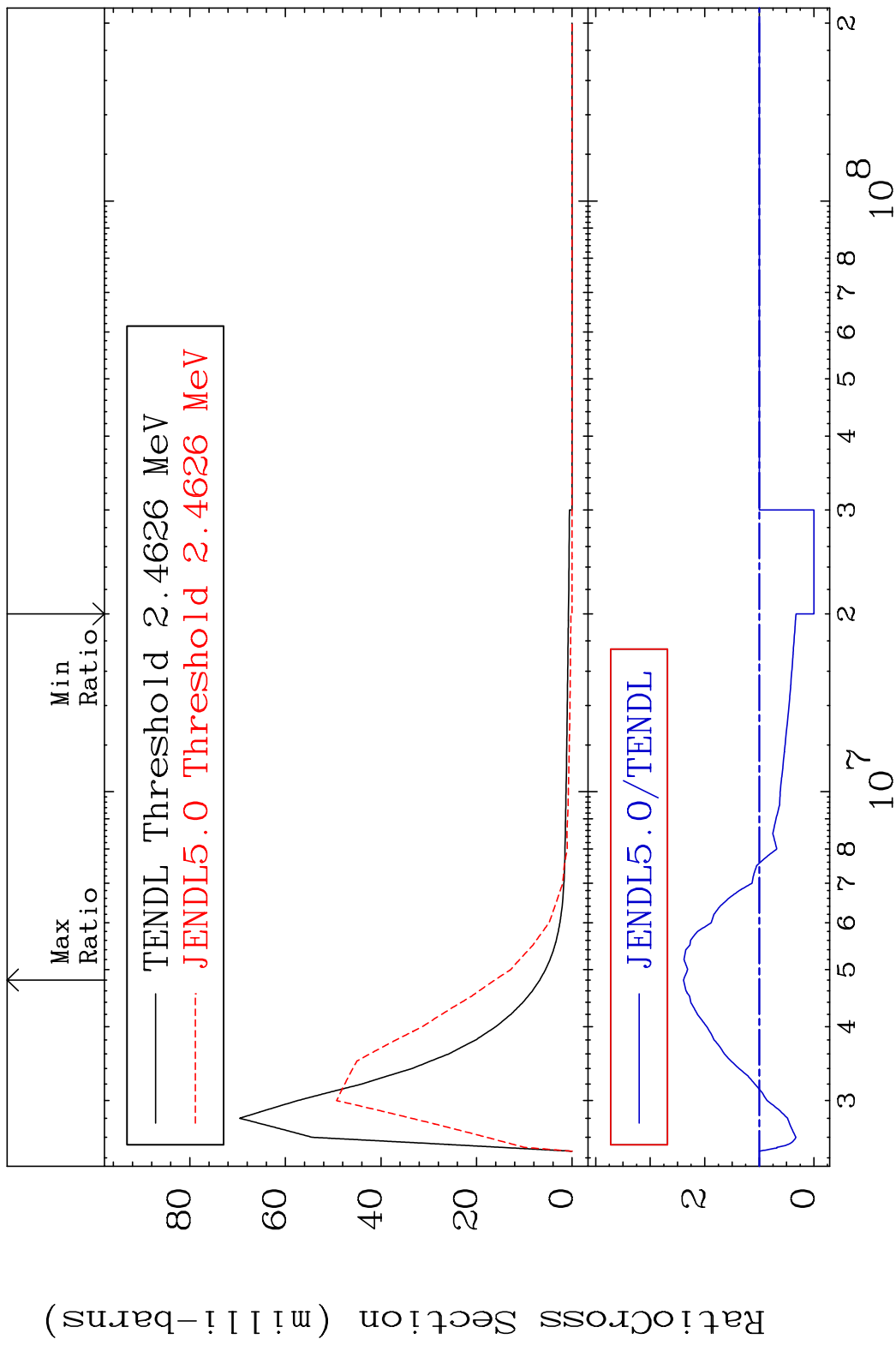
31 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 73 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 217.0 %



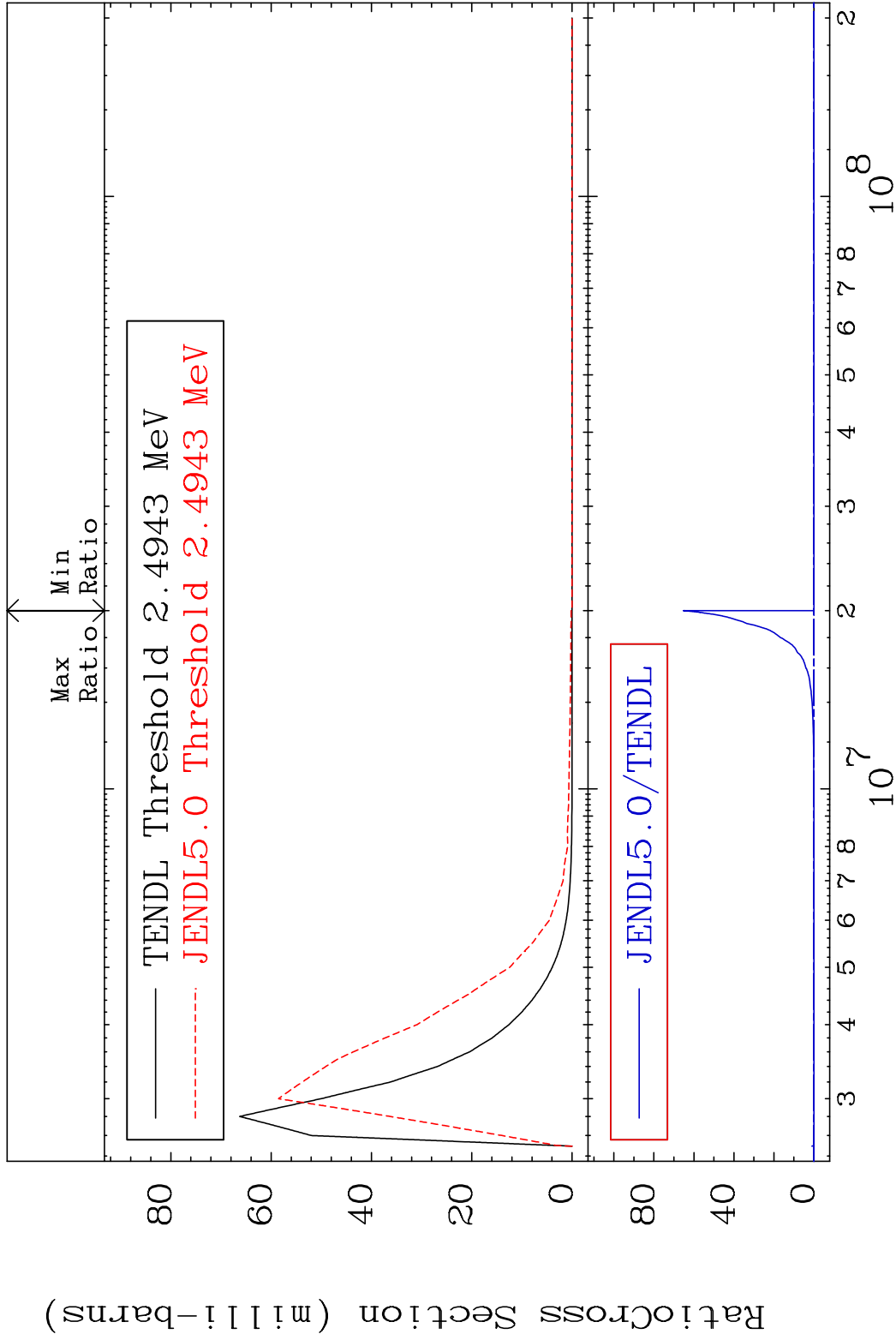
32 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 74 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 139.1 %



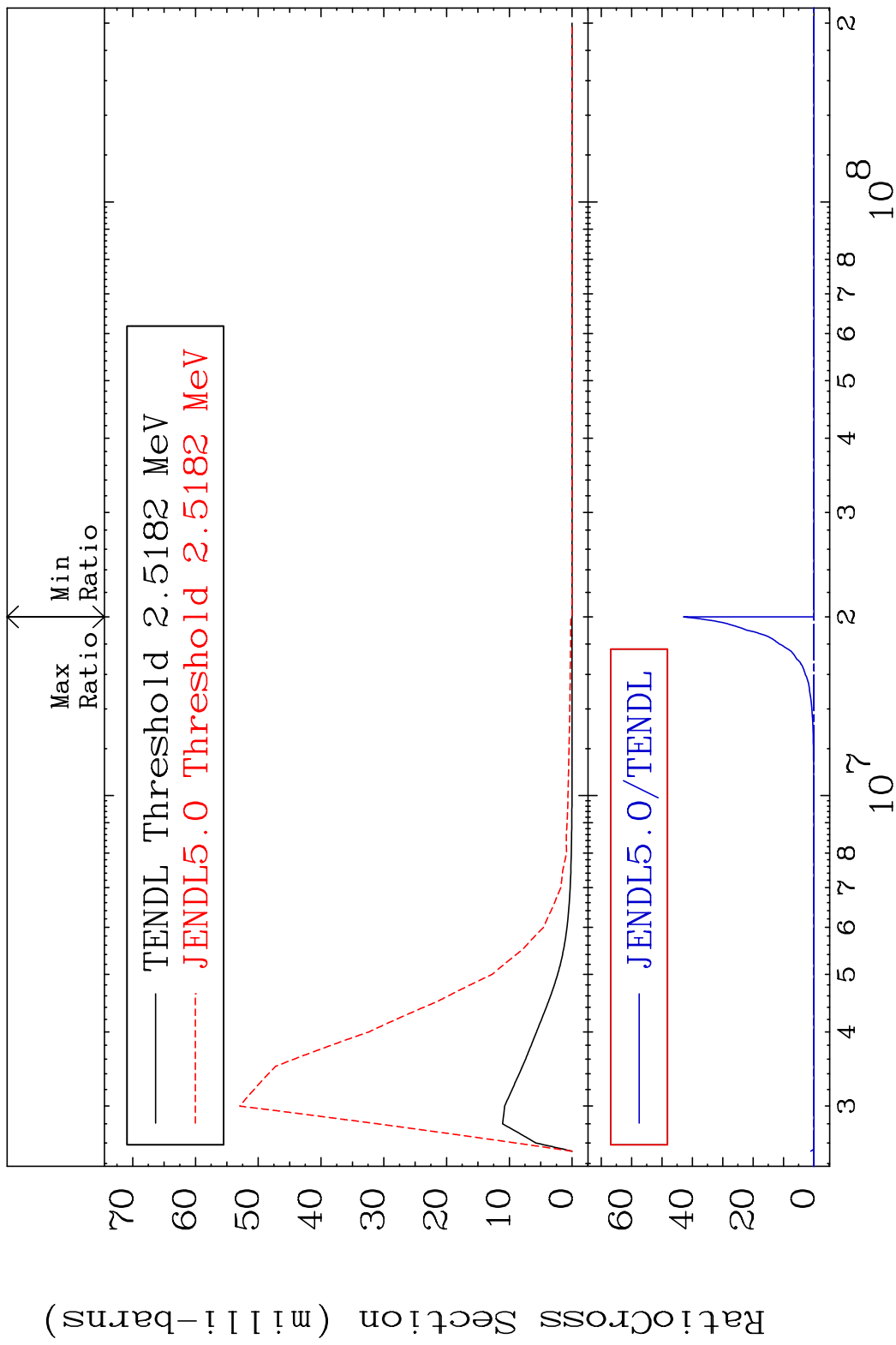
33 44-Ru-100

MAT 4437 MT= 75 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



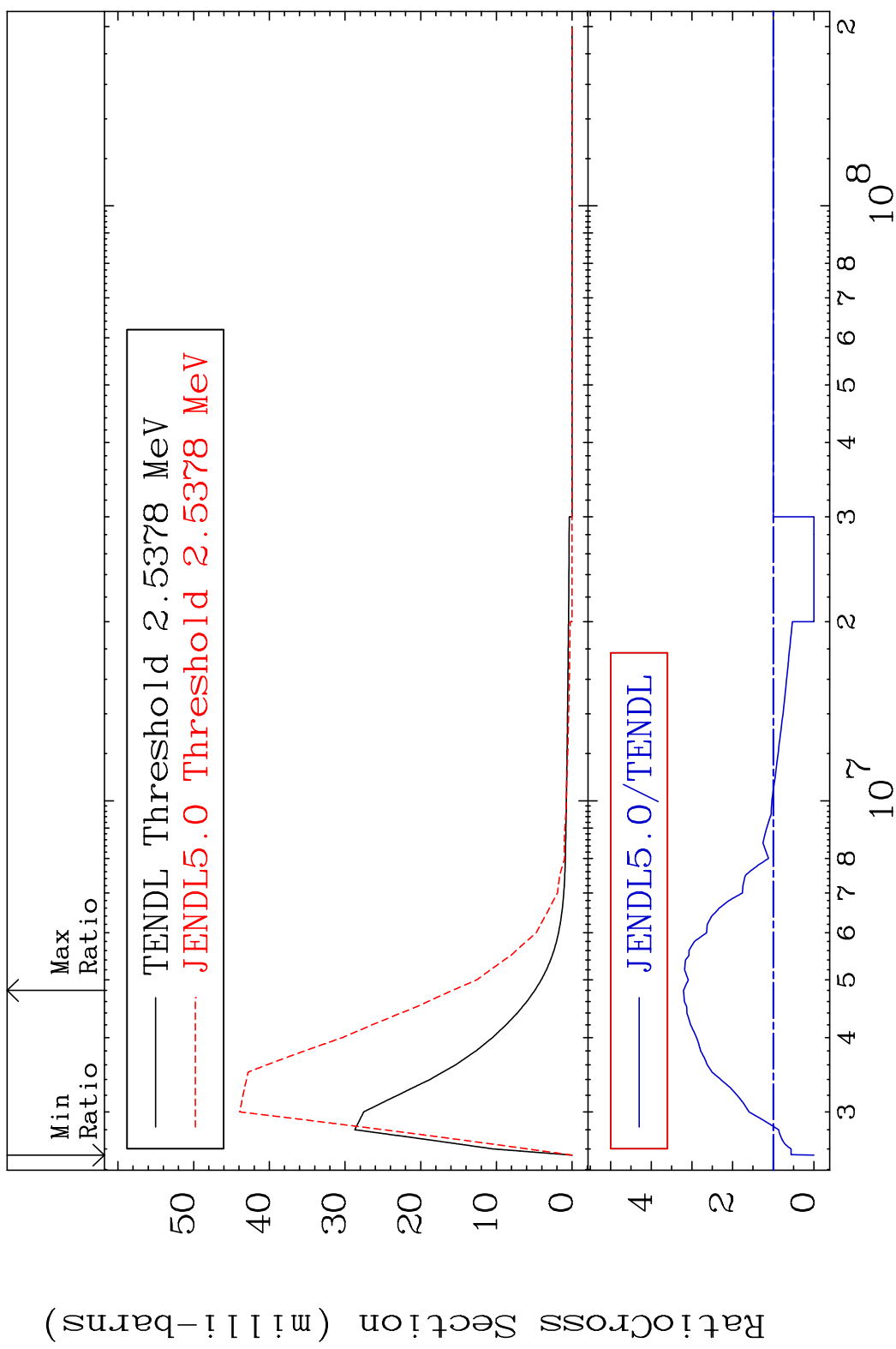
34 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 76 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %

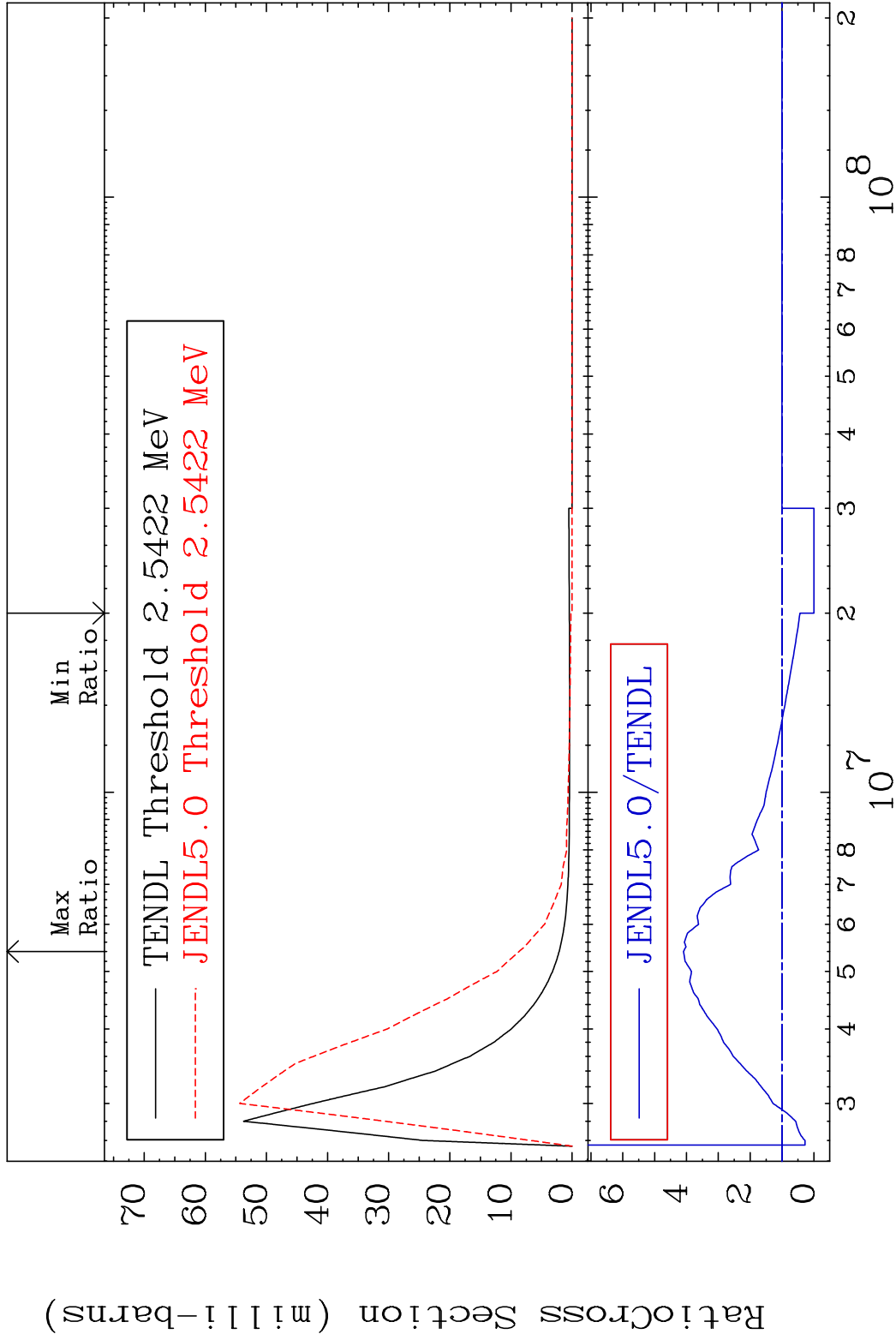


35 Incident Energy (eV) 44-Ru-100

MAT 4437 MT= 77 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 220.8 %

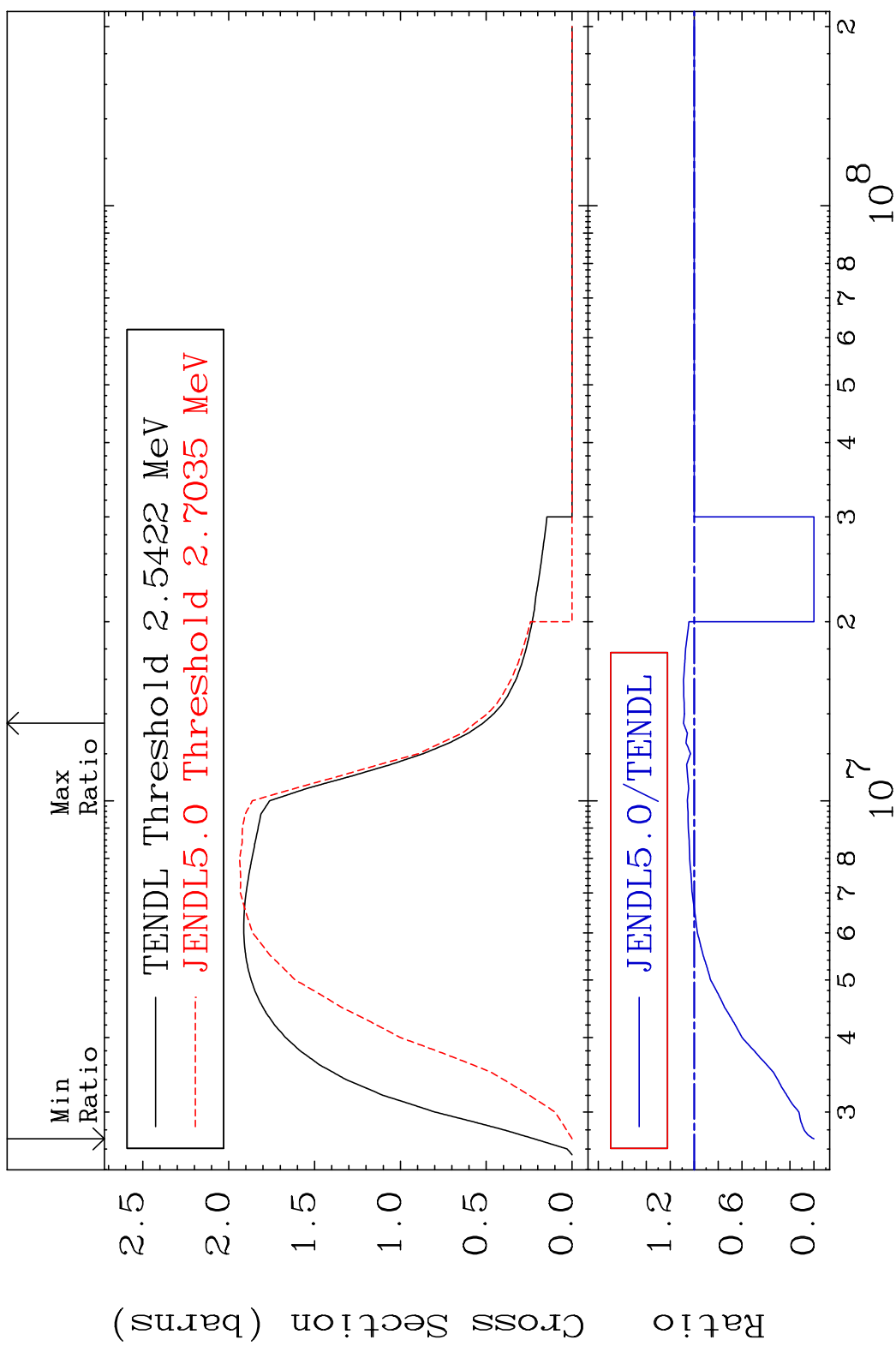


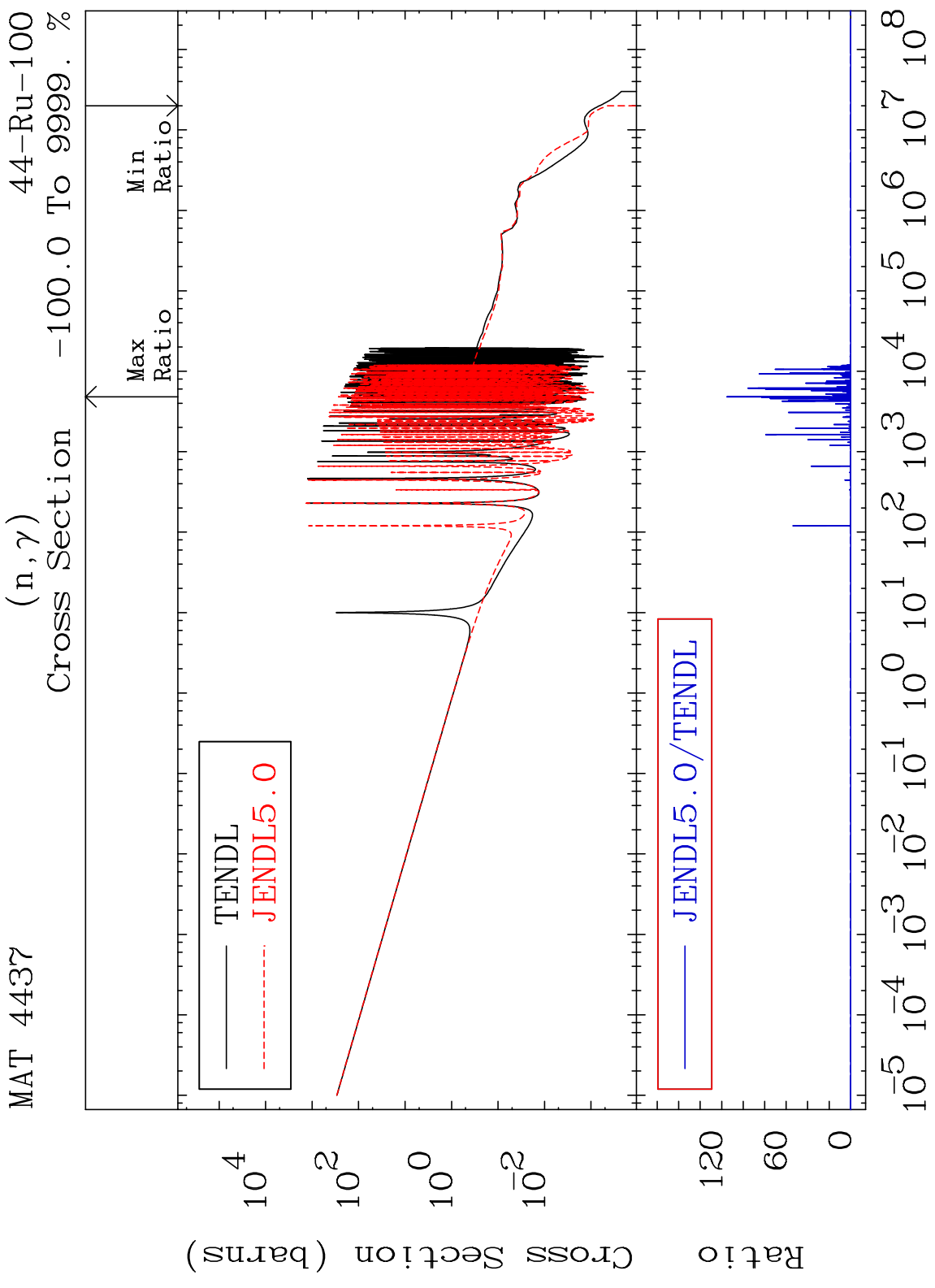
MAT 4437 MT= 78 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 309.4 %

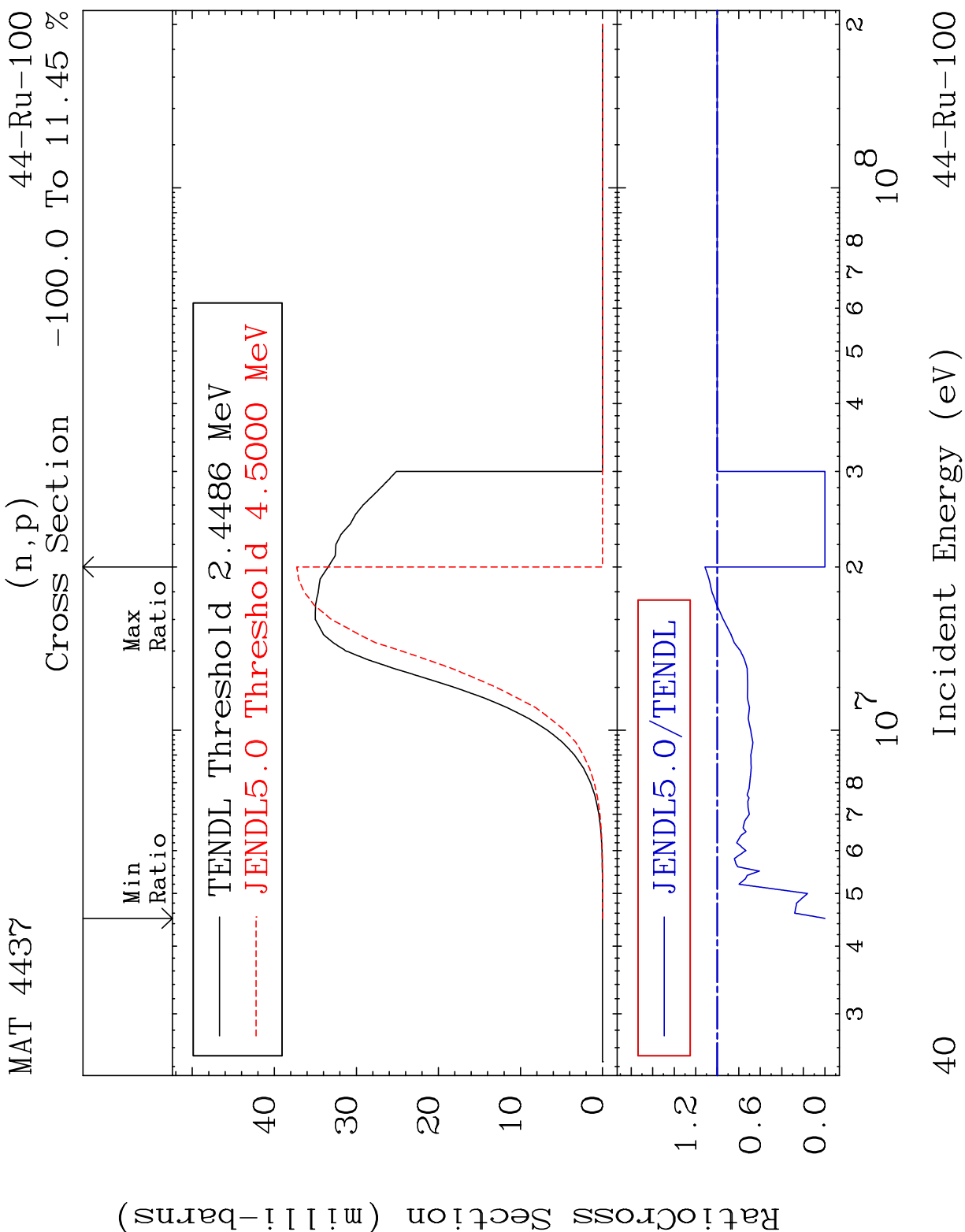


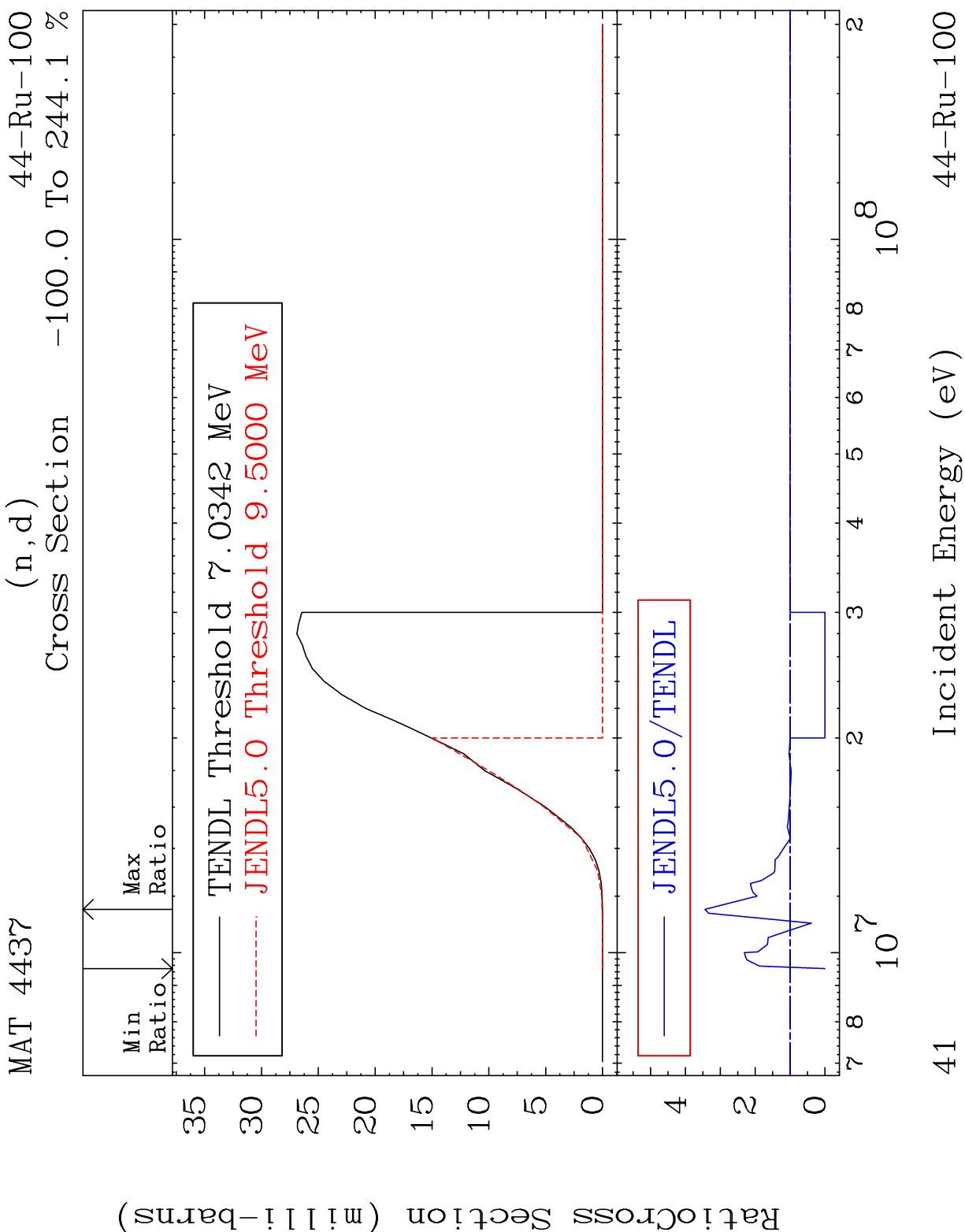
37 44-Ru-100

MAT 4437 (n, n') Continuum 44-Ru-100
 Cross Section -100.0 To 8.943 %

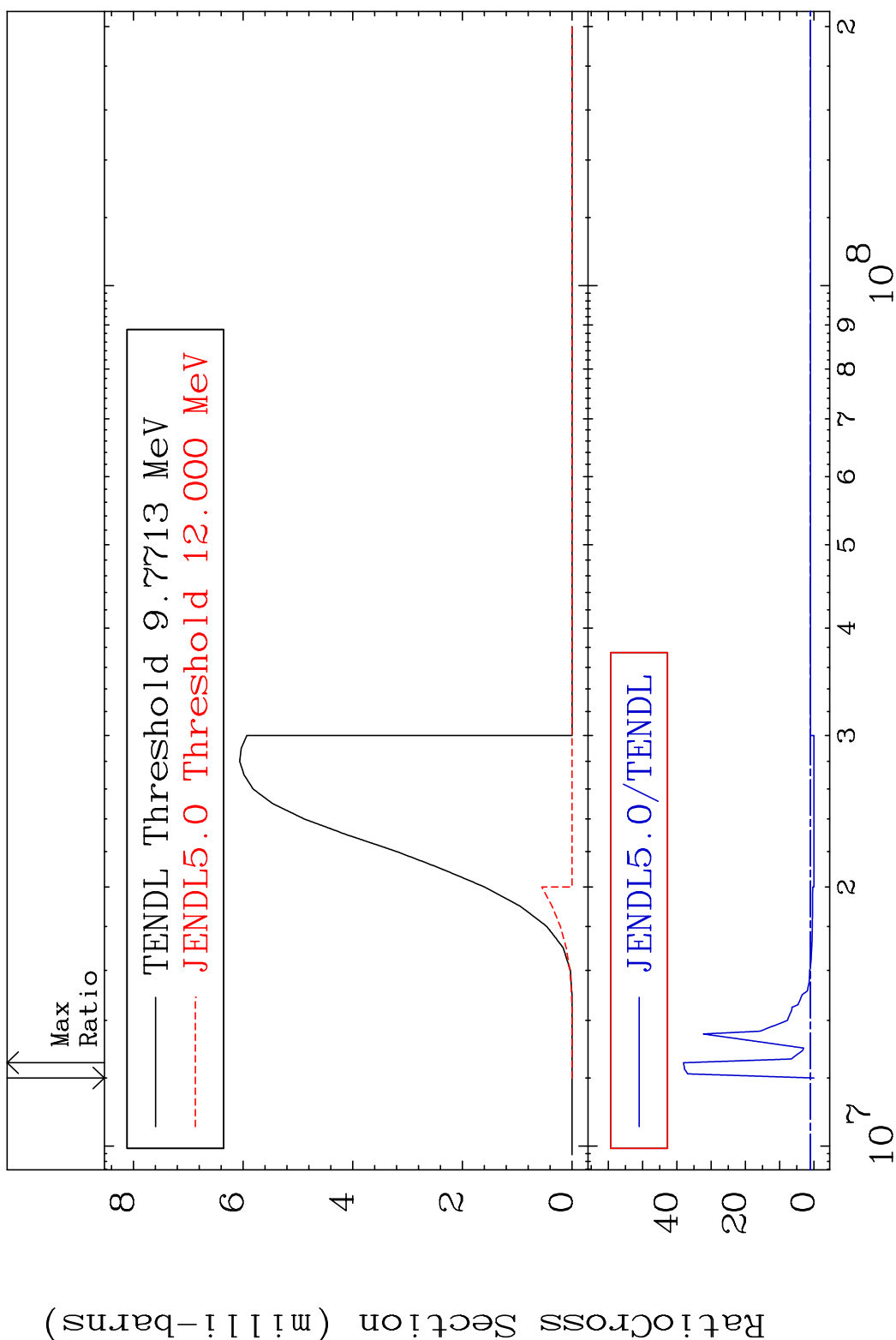






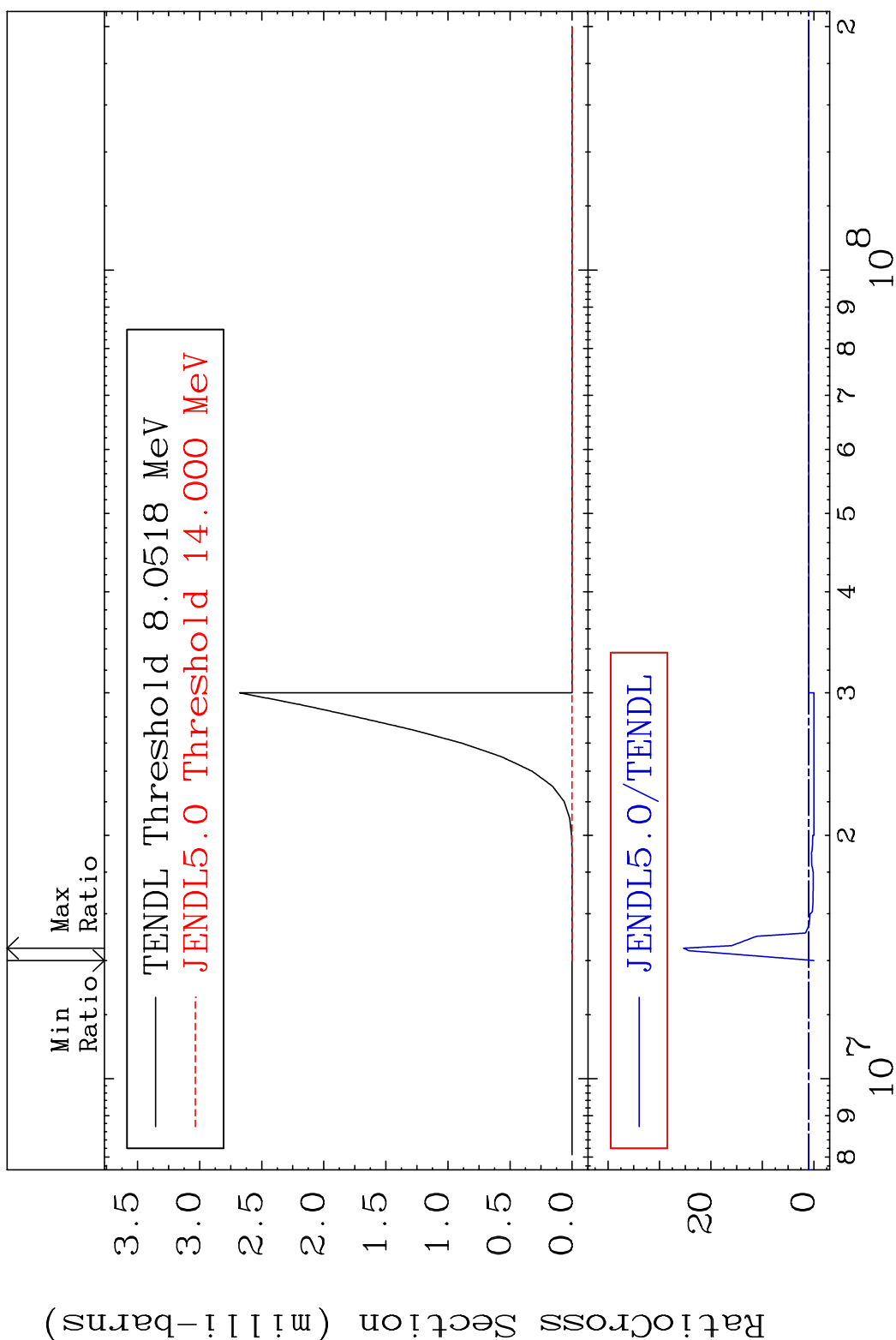


MAT 4437 (n, t) 44-Ru-100
 Cross Section -100.0 To 3708. %



42 Incident Energy (eV) 44-Ru-100

MAT 4437 (n, He-3) 44-Ru-100
 Cross Section -100.0 To 2434. %



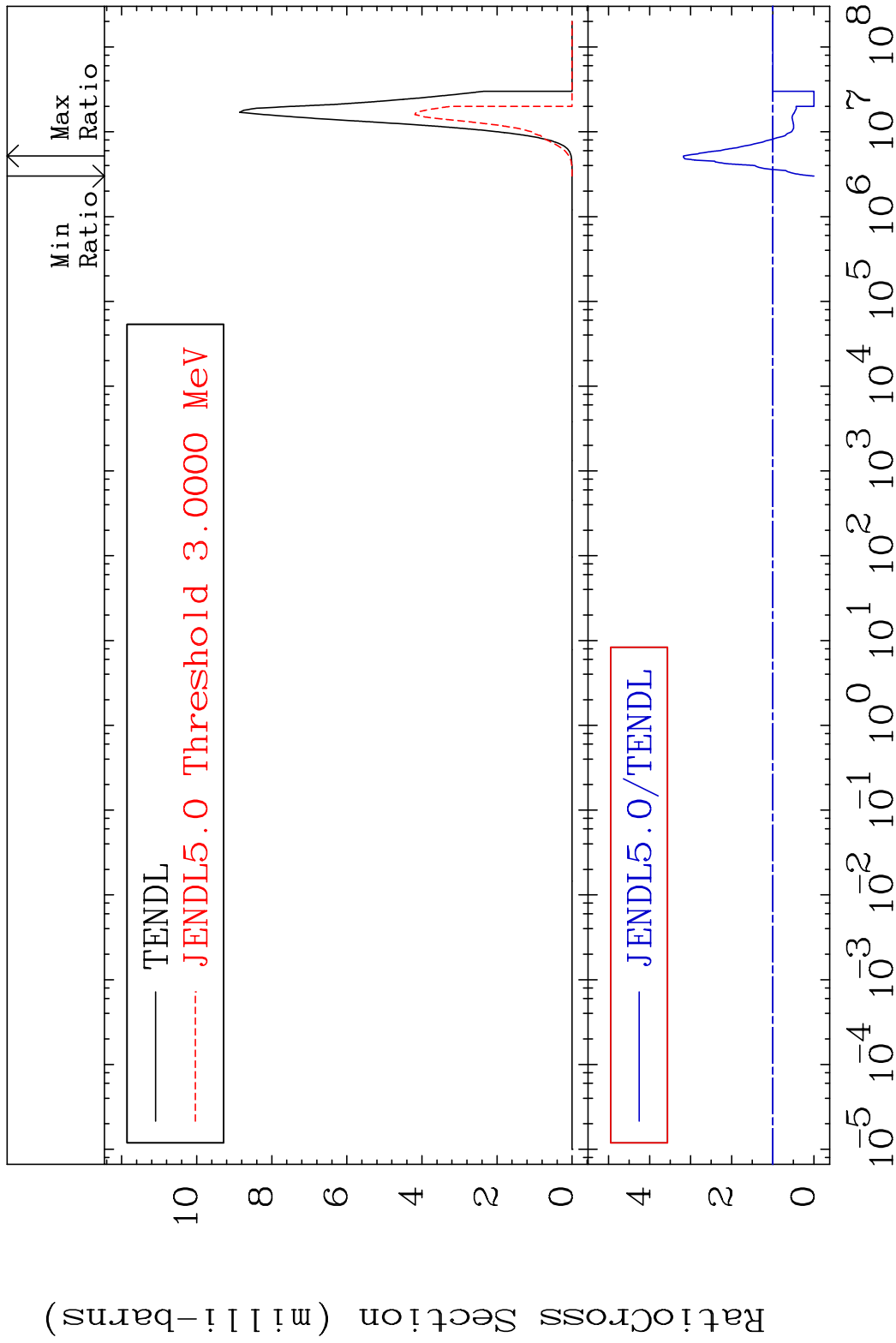
43 Incident Energy (eV) 44-Ru-100

MAT 4437

(n, α)

44-Ru-100

Cross Section -100.0 To 217.6 %

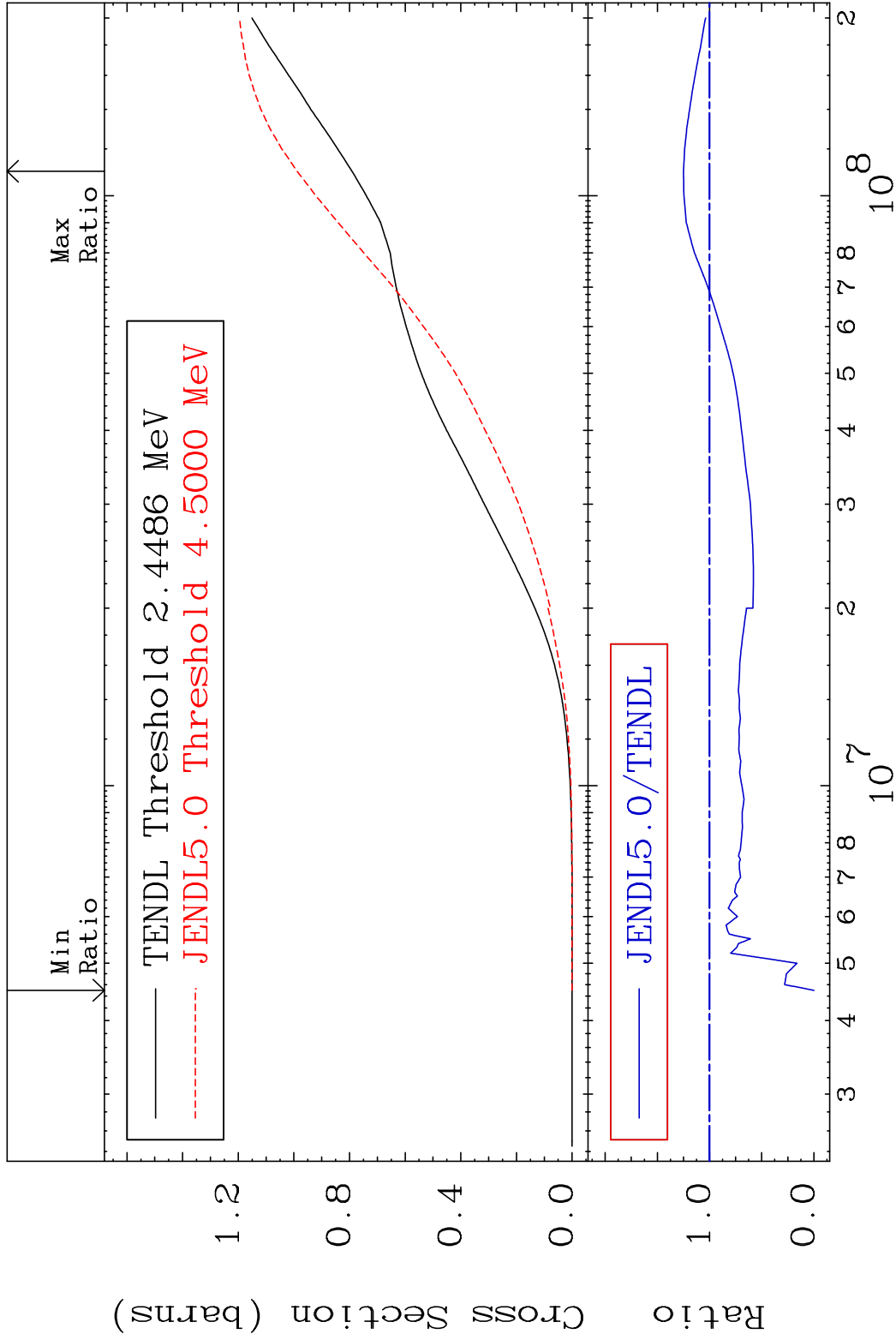


44

Incident Energy (eV)

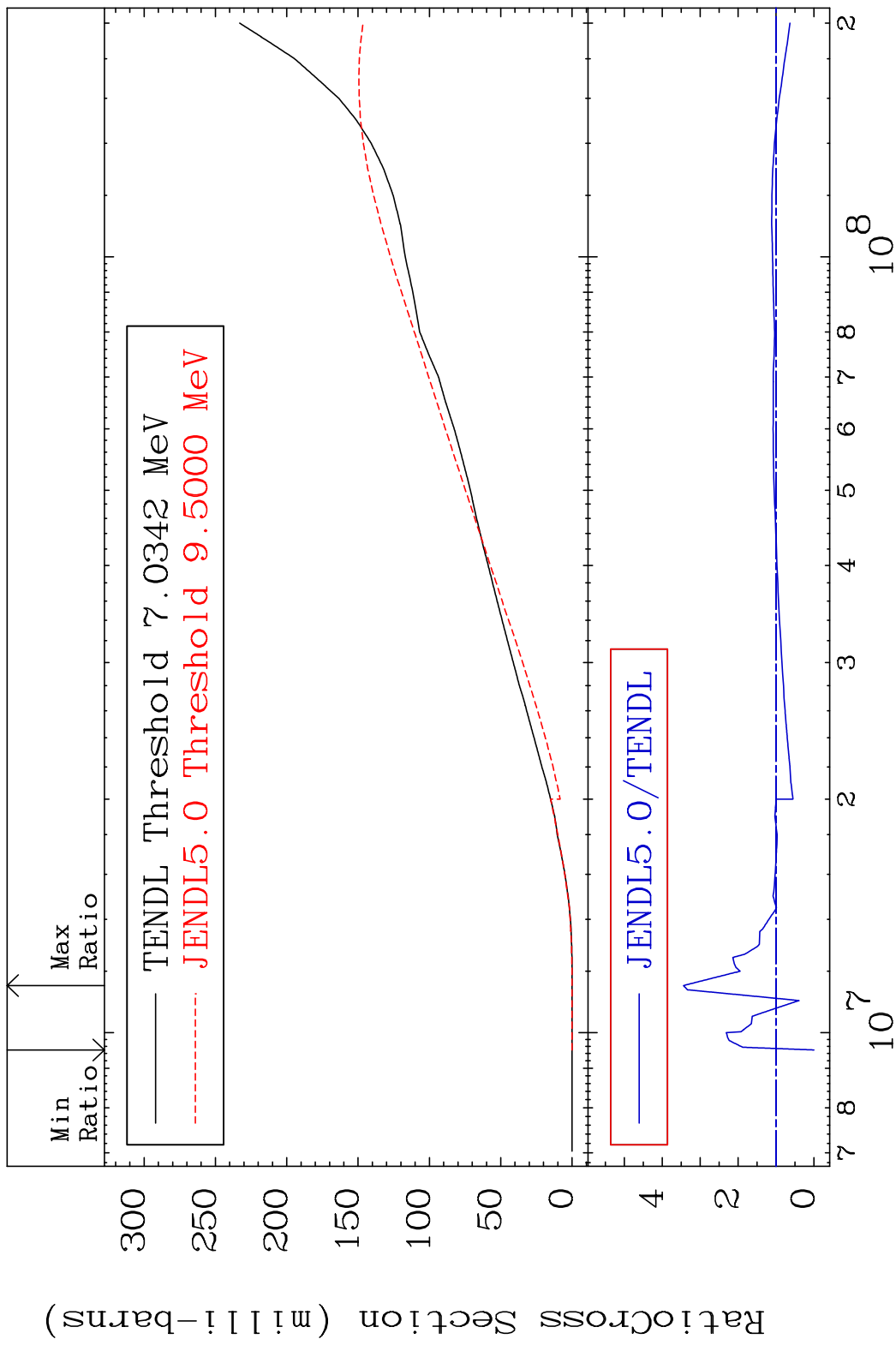
44-Ru-100

MAT 4437 Hydrogen Production 44-Ru-100
 Cross Section -100.0 To 25.00 %



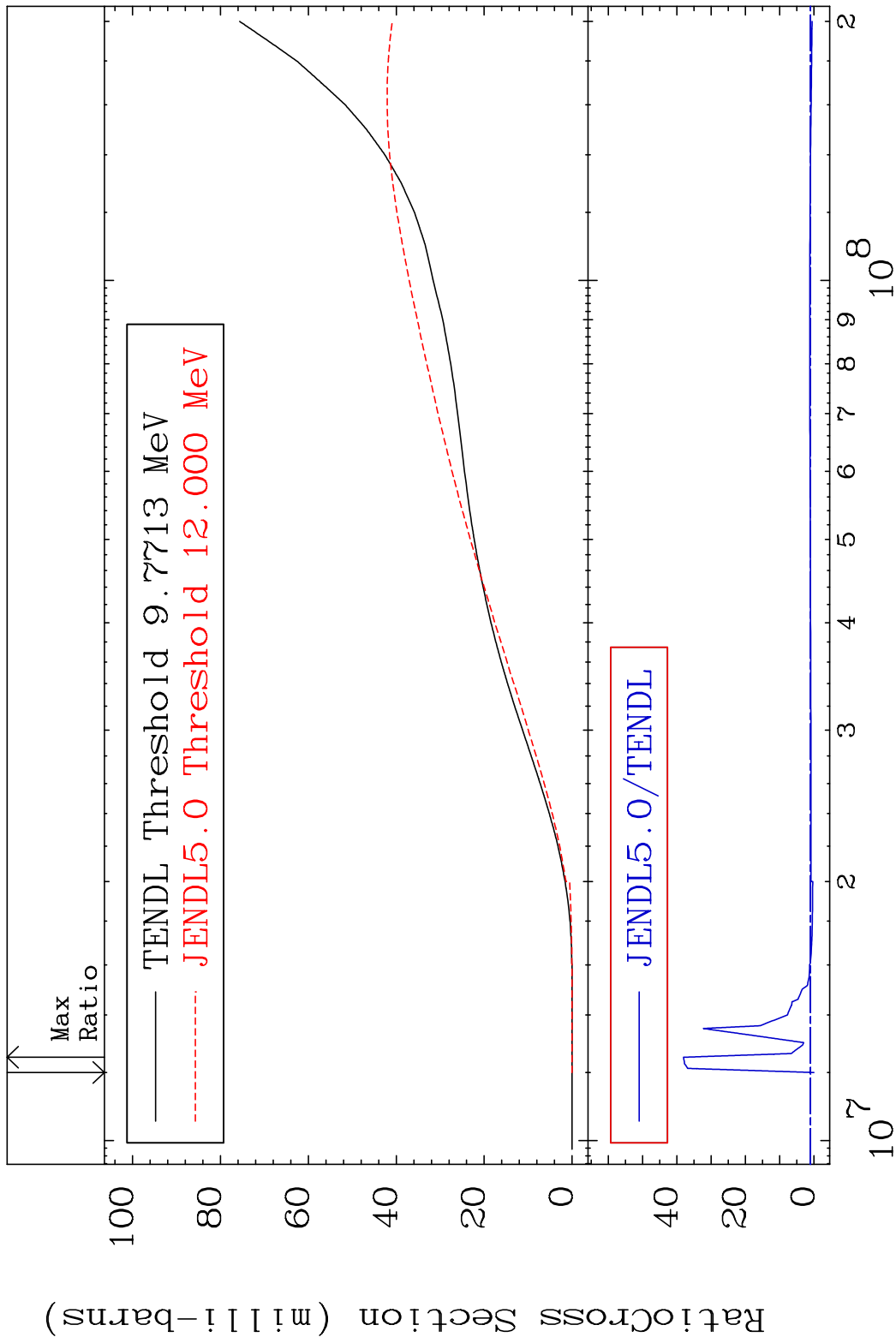
45 Incident Energy (eV) 44-Ru-100

MAT 4437 Deuterium Production 44-Ru-100
 Cross Section -100.0 To 244.1 %



46 44-Ru-100

MAT 4437 Tritium Production 44-Ru-100
Cross Section -100.0 To 3708. %



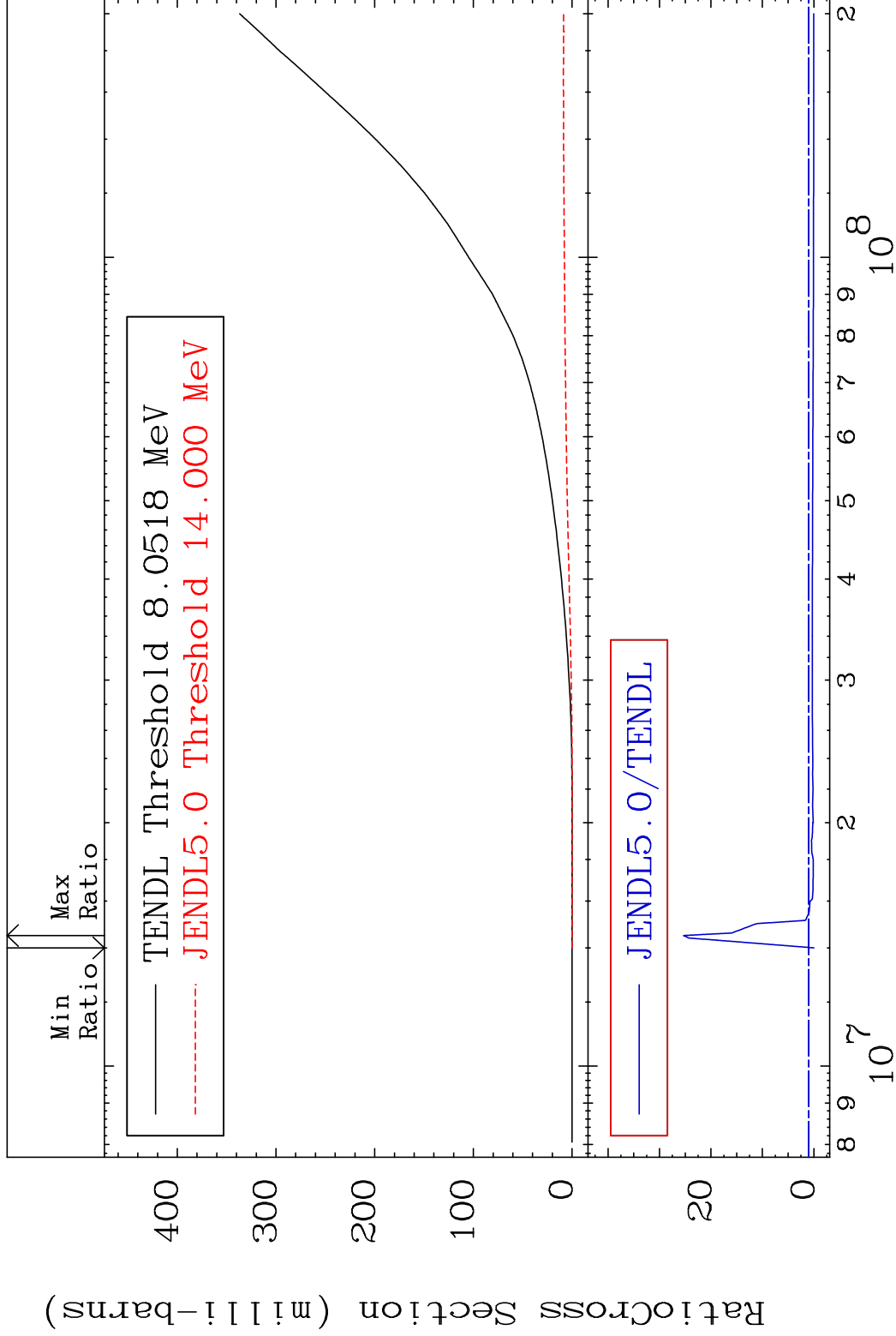
47 44-Ru-100

MAT 4437

He-3 Production

44-Ru-100

Cross Section -100.0 To 2434. %



48

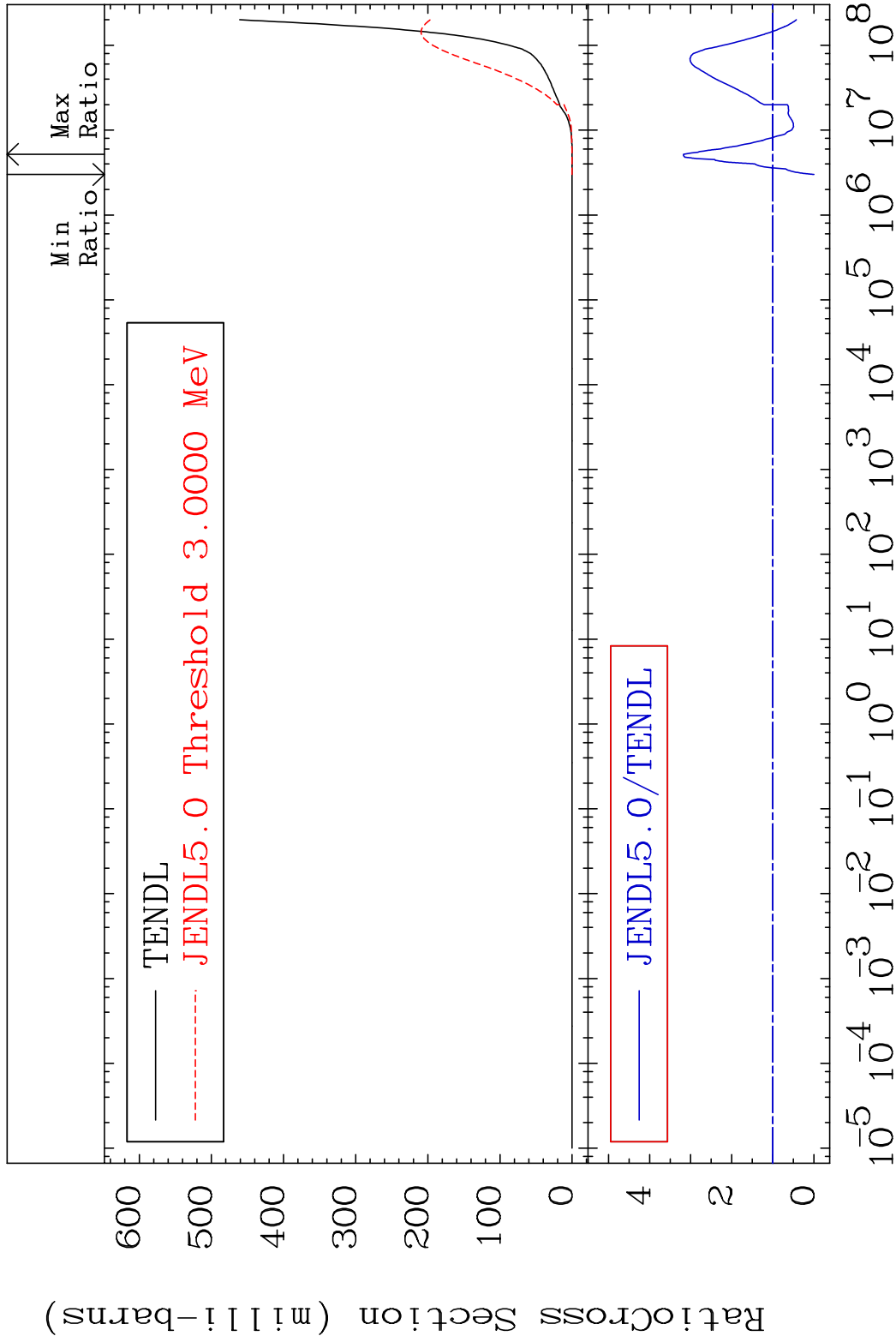
44-Ru-100

MAT 4437

He-4 Production

44-Ru-100

Cross Section -100.0 To 217.6 %

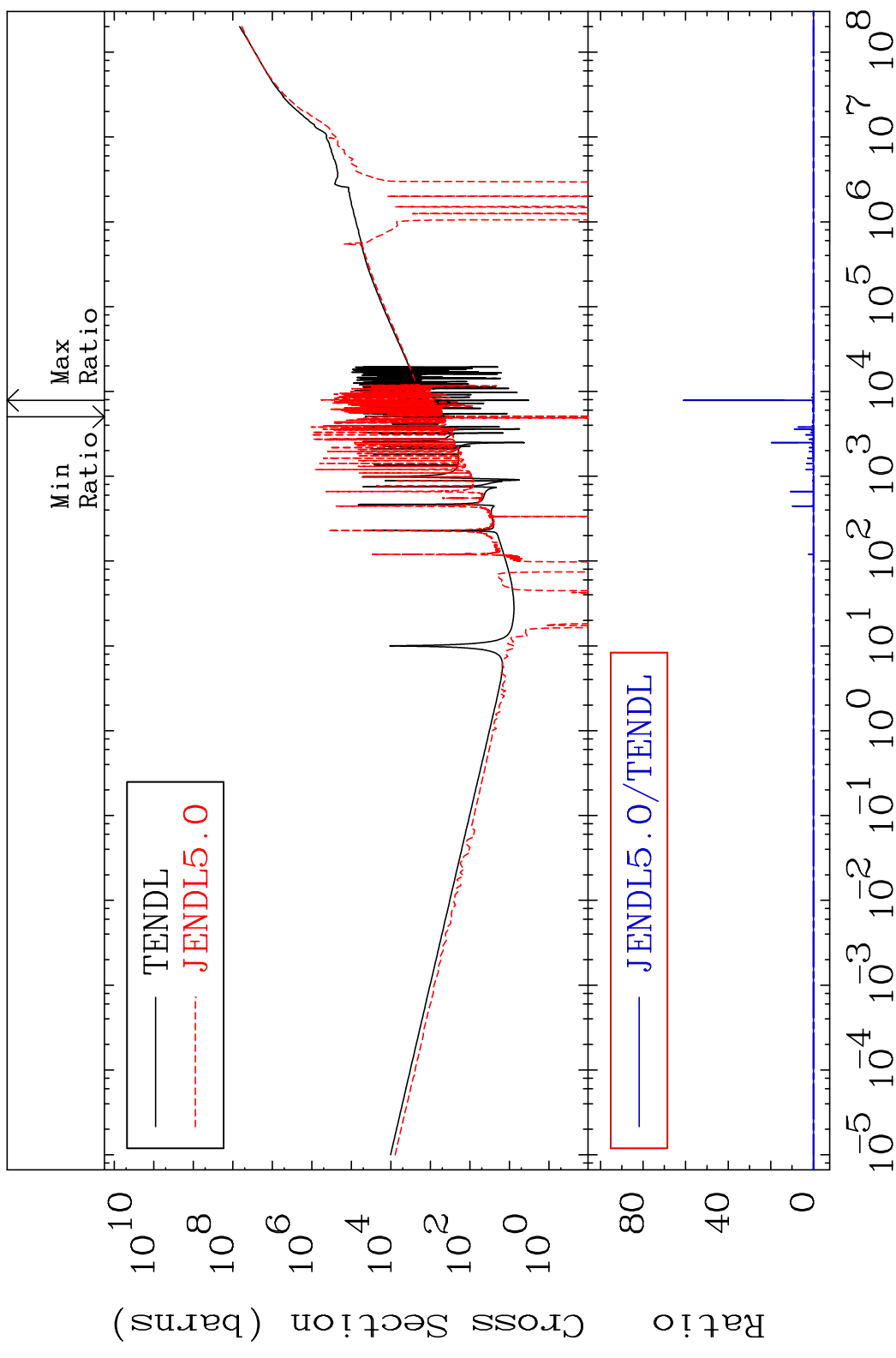


49

Incident Energy (eV)

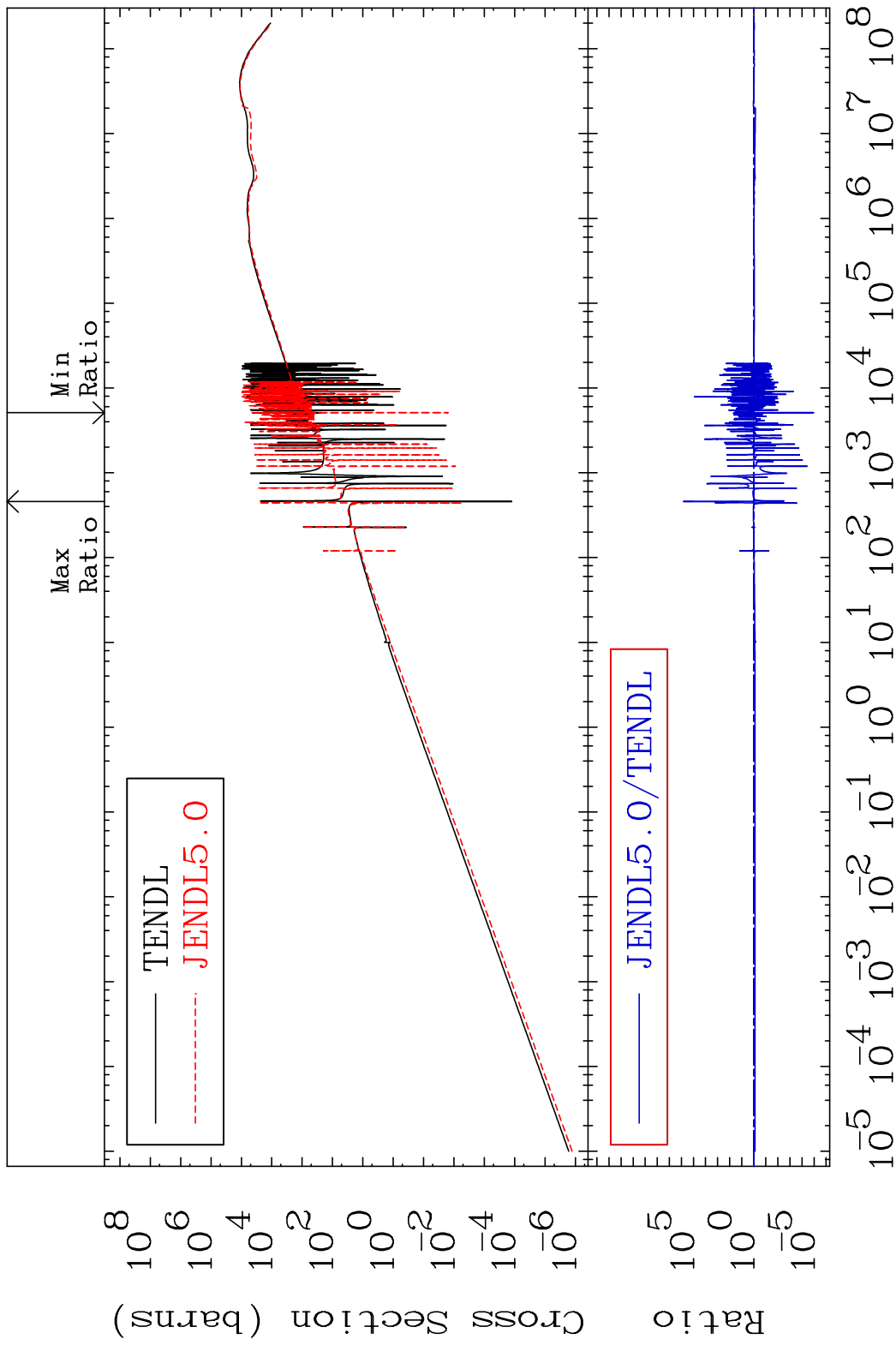
44-Ru-100

MAT 4437 Kerma total (eV-barns) 44-Ru-100
 Cross Section -9999. To 9999. %

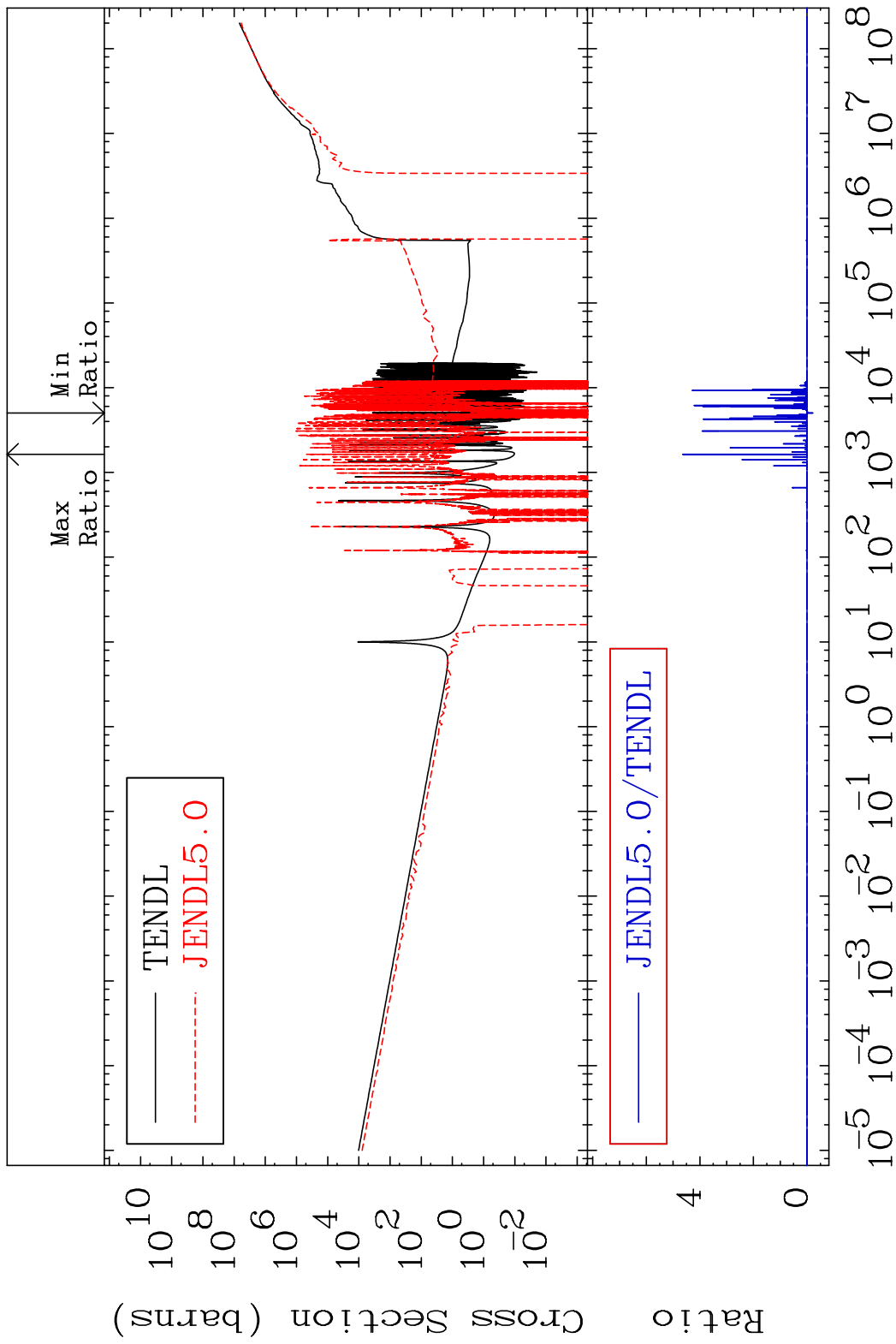


50 Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma elastic 44-Ru-100
 Cross Section -100.0 To 9999. %

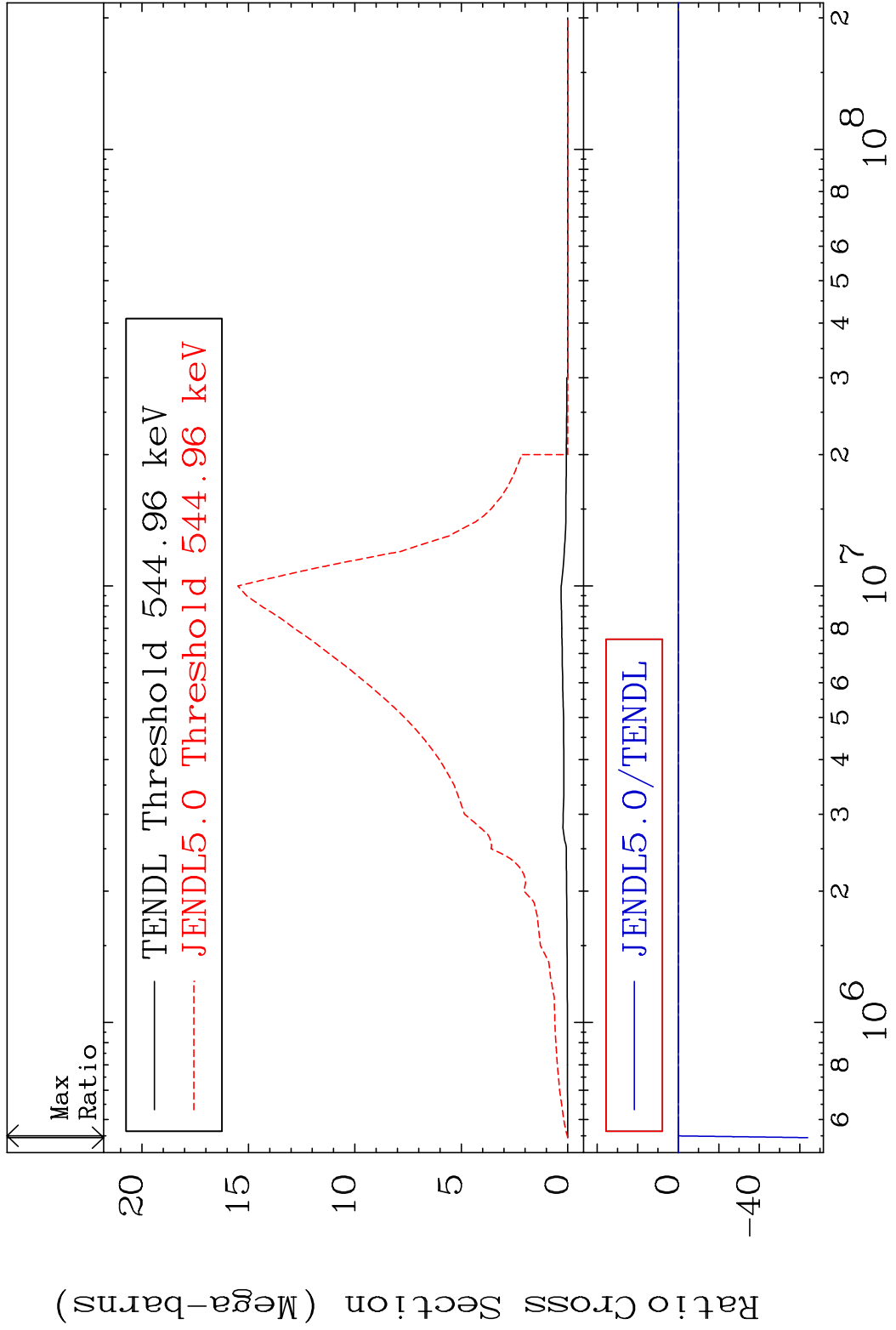


MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -9999. To 9999. %

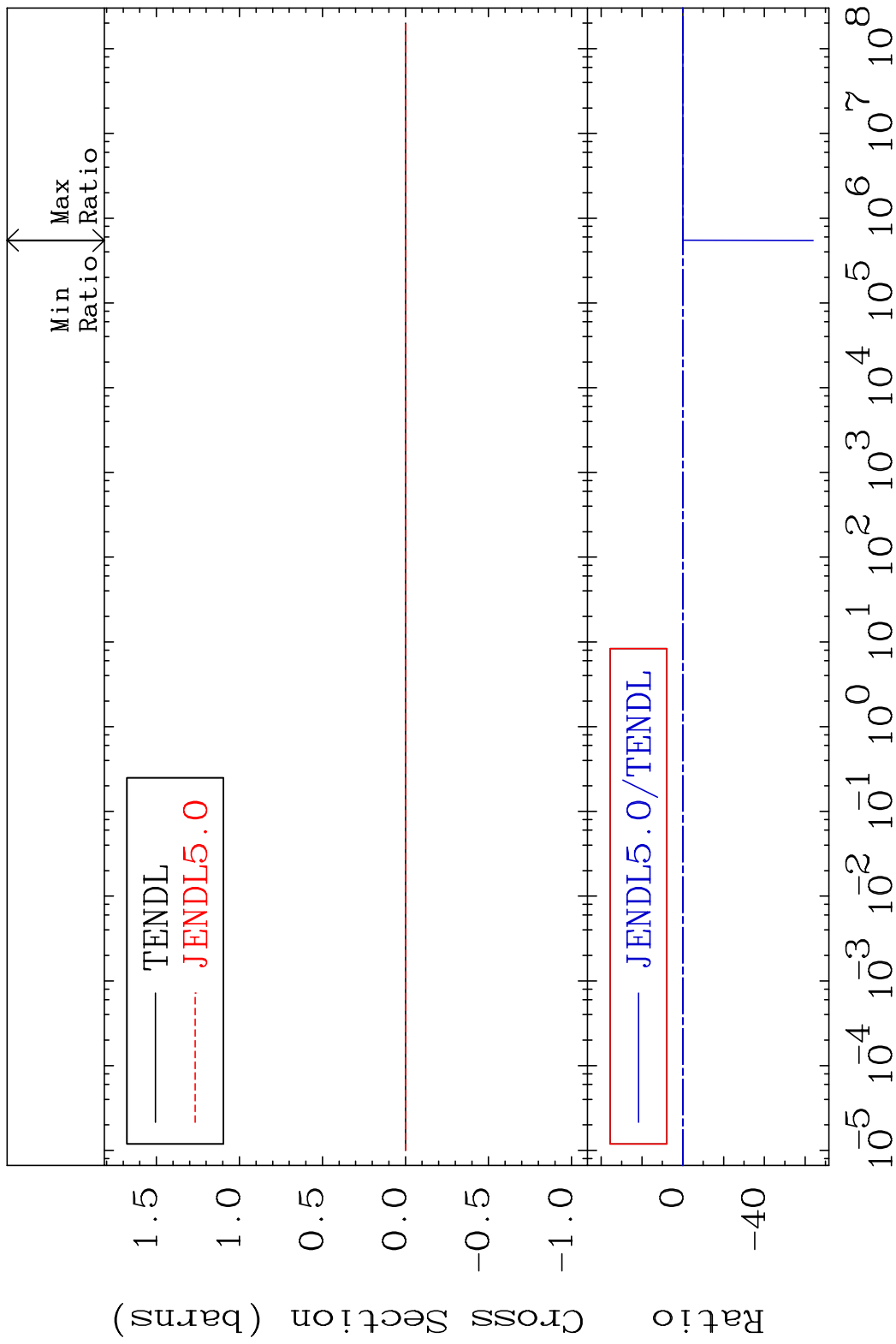


52 Incident Energy (eV) 44-Ru-100

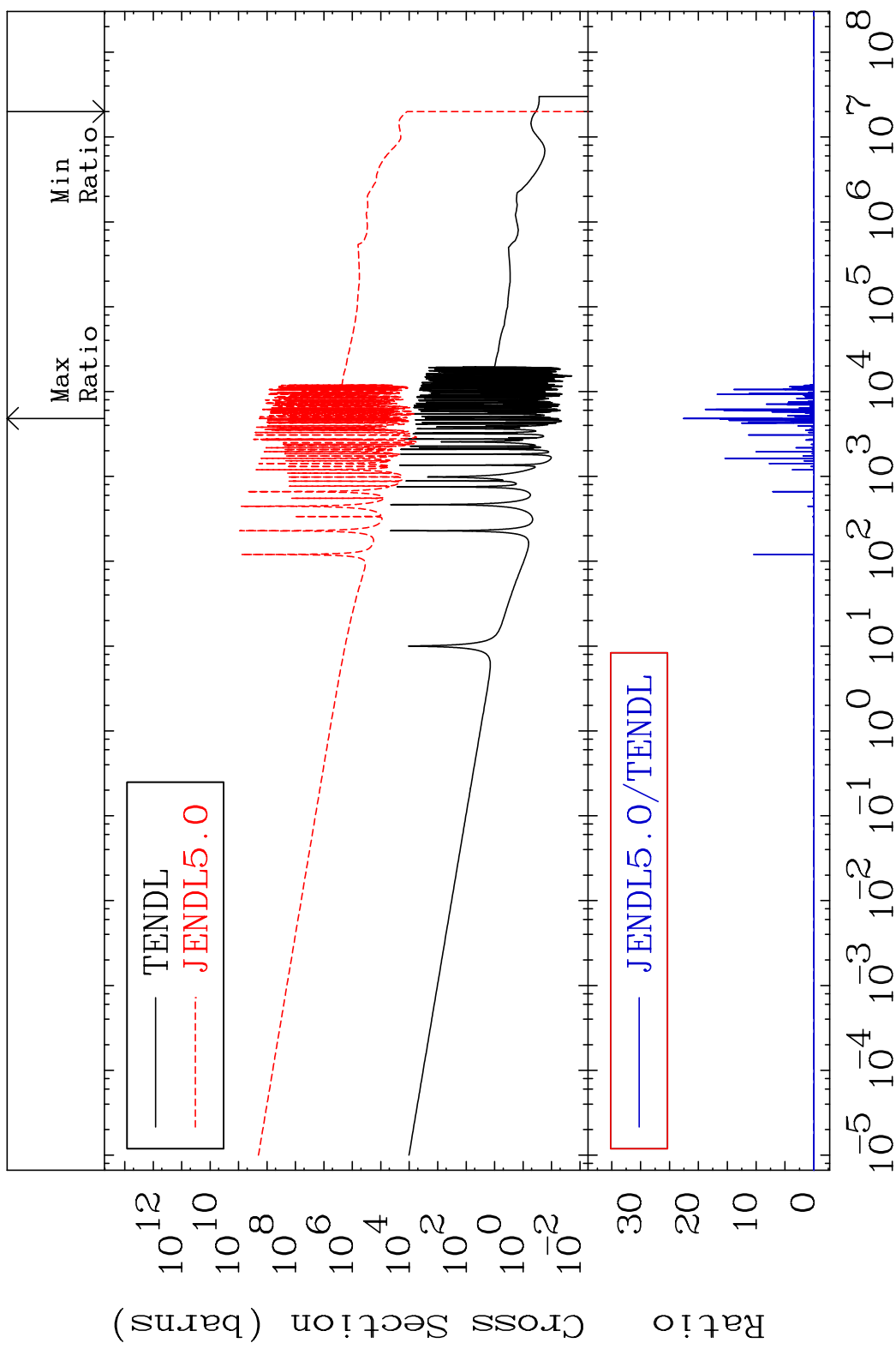
MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -9999. To 8247. %



MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -9999. To 8247. %

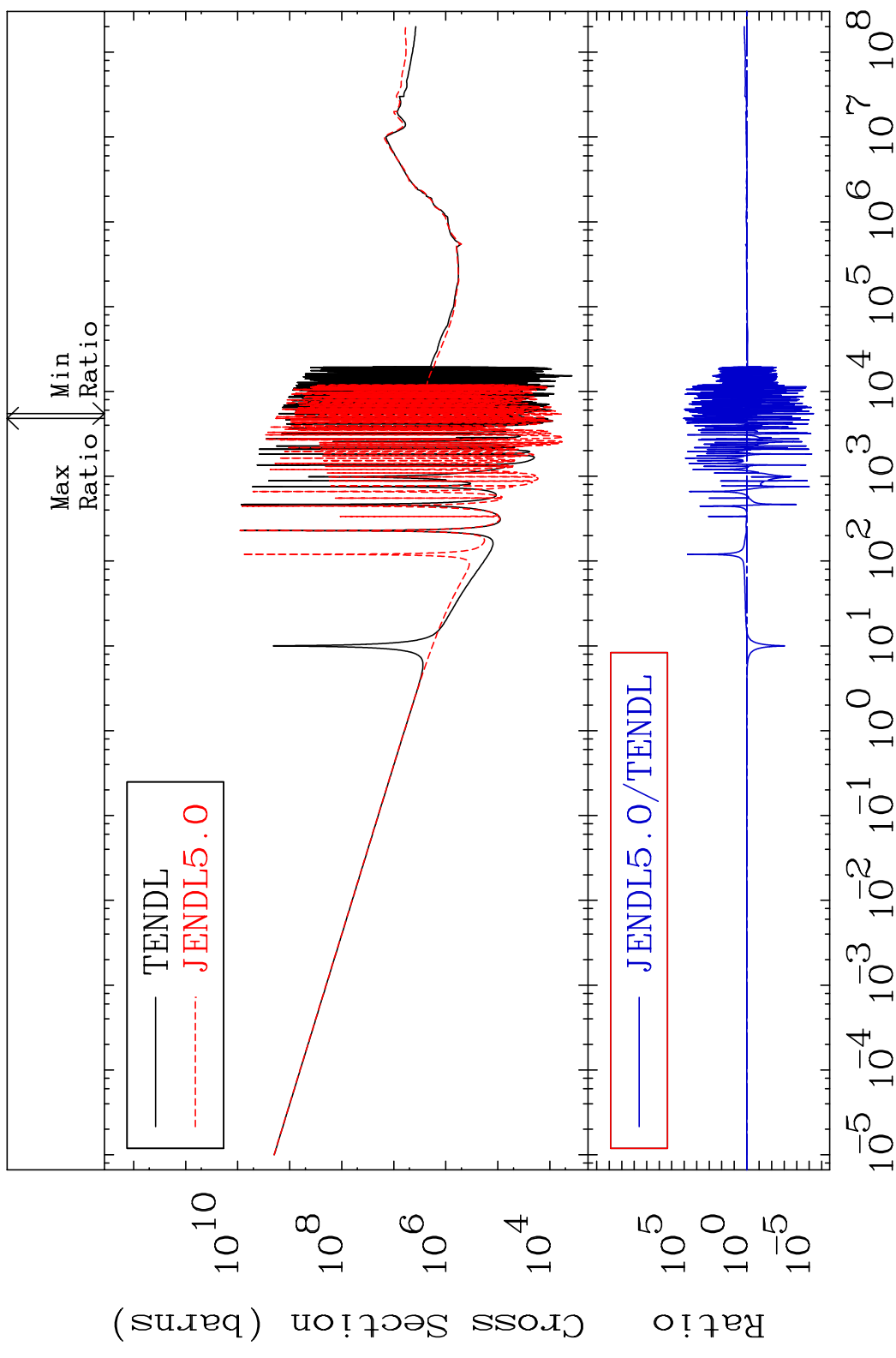


MAT 4437 Kerma capture (mt102) 44-Ru-100
 Cross Section -100.0 To 9999. %



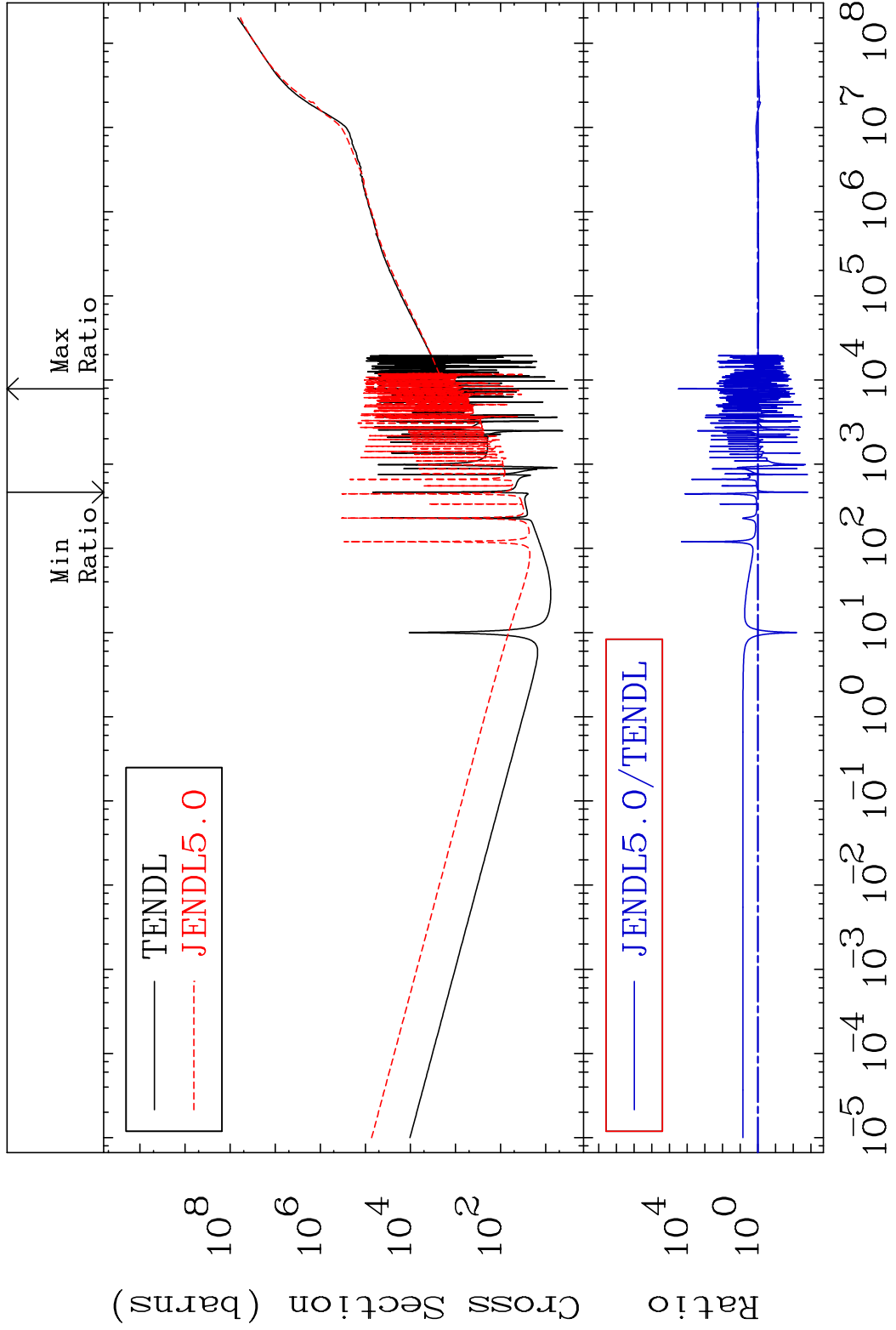
55 Incident Energy (eV) 44-Ru-100

MAT 4437 Total photon (eV-barns) 44-Ru-100
 Cross Section -100.0 To 9999. %

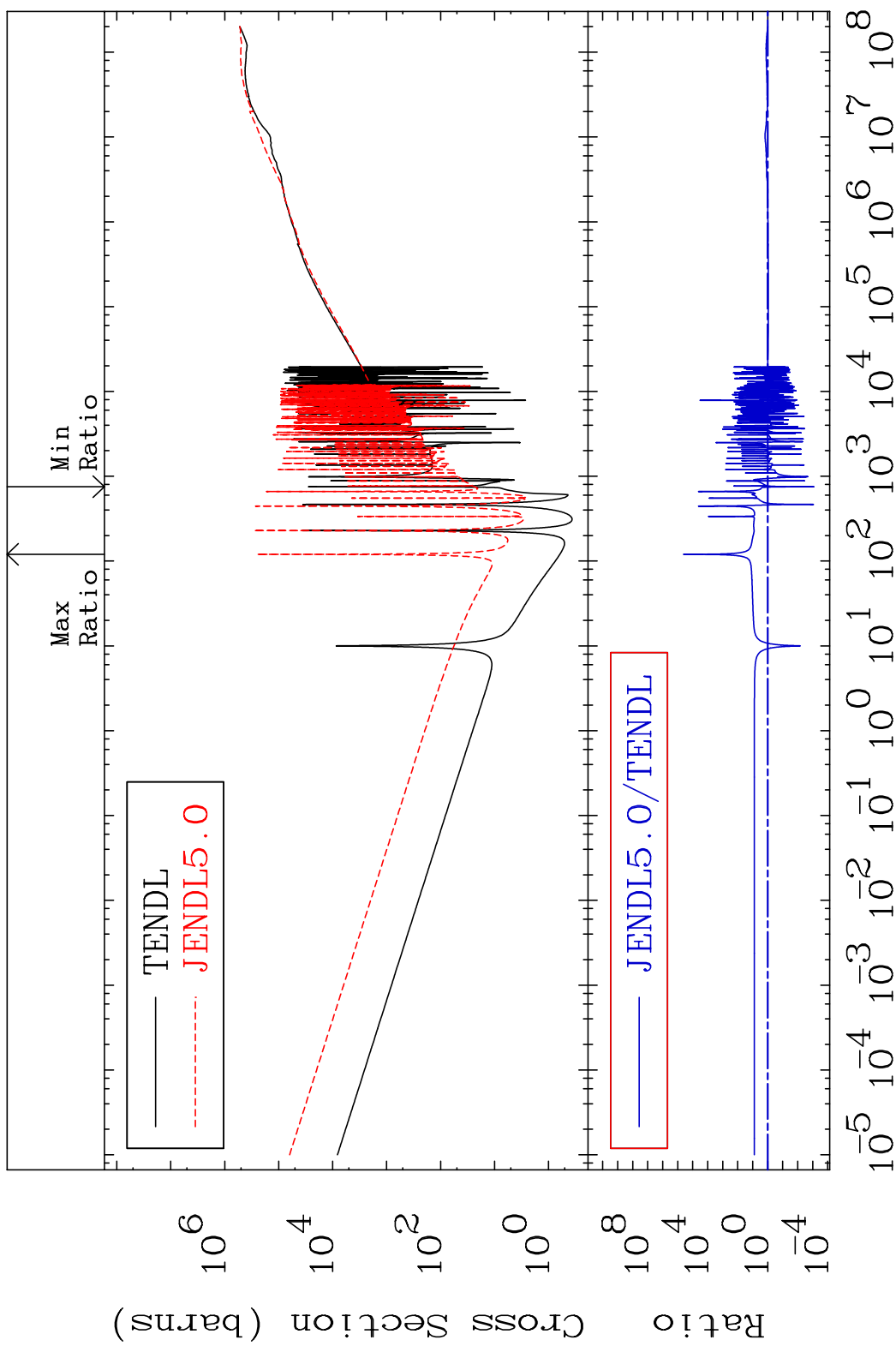


56 Incident Energy (eV) 44-Ru-100

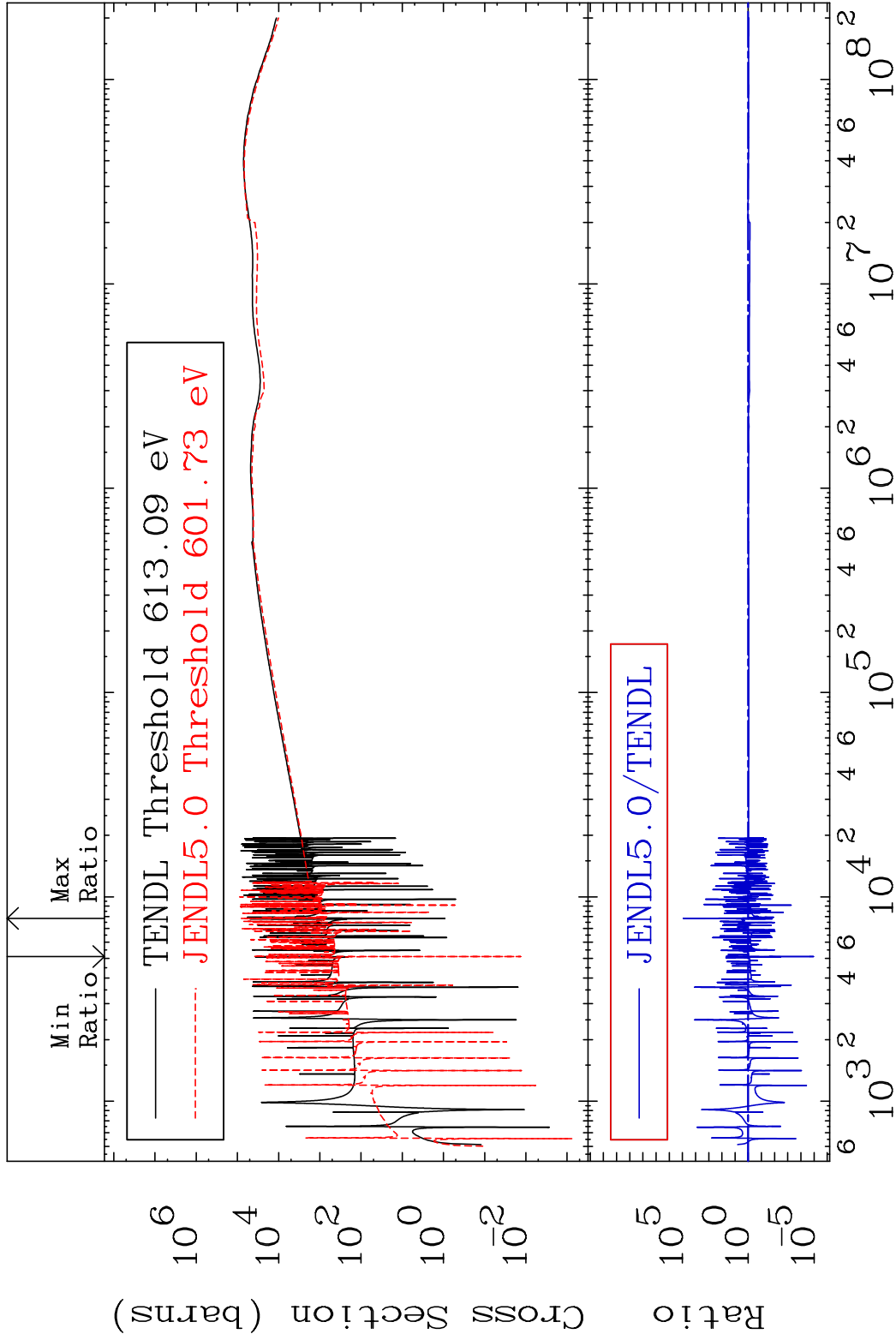
MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.85 To 9999. %



MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.92 To 9999. %

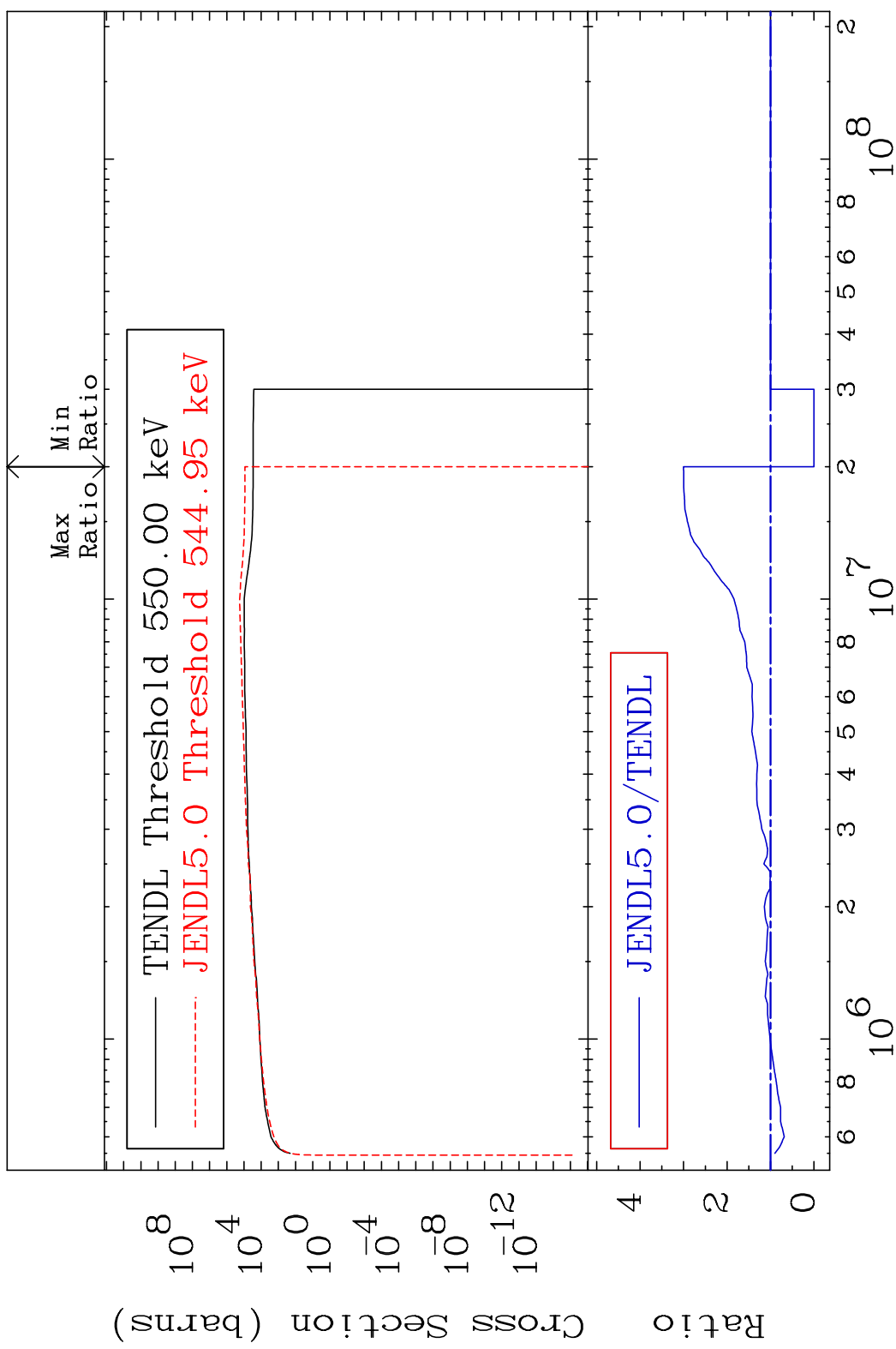


MAT 4437 Dpa elastic (mt2) 44-Ru-100
 Cross Section -100.0 To 9999. %



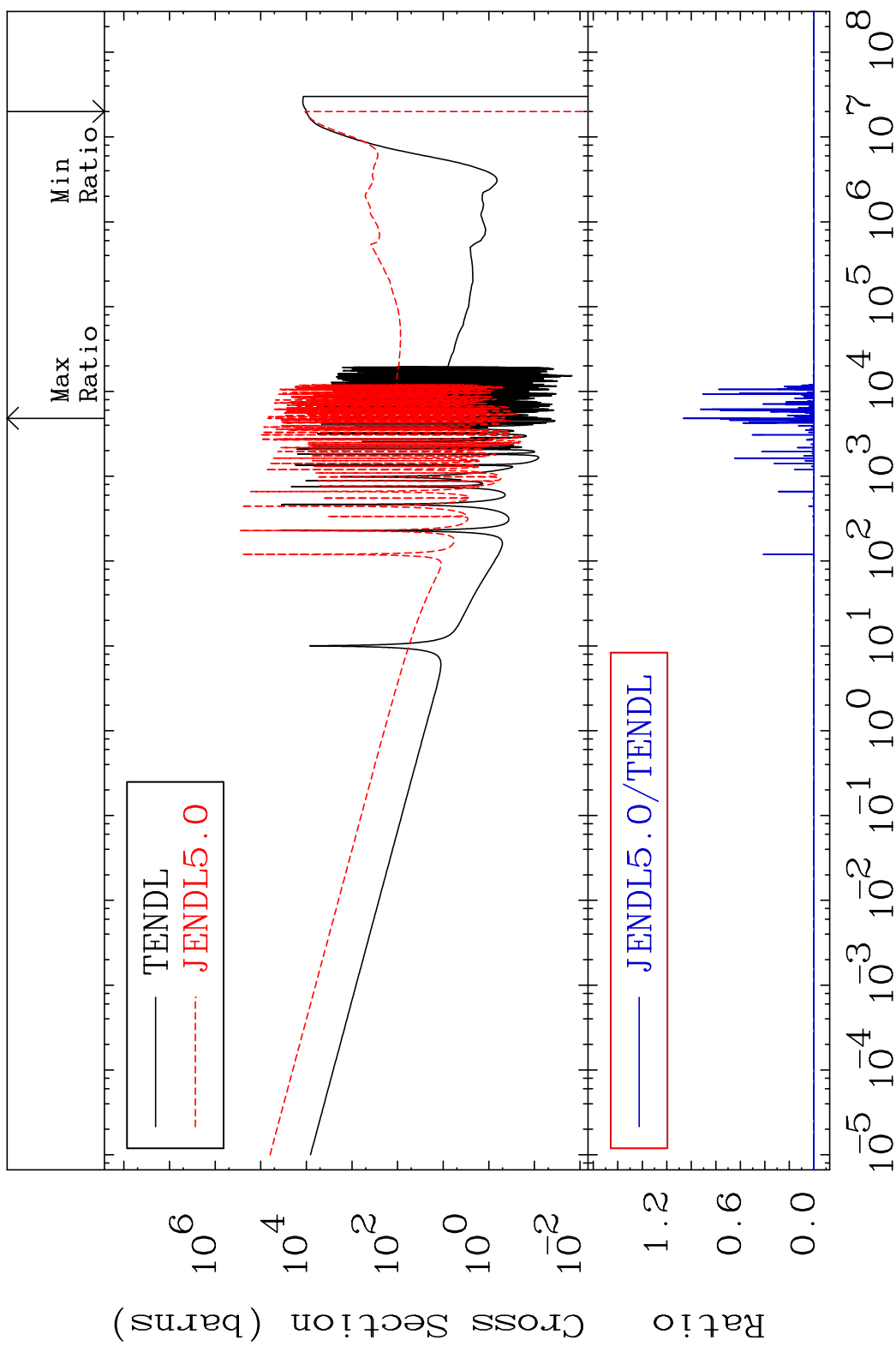
59 Incident Energy (eV) 44-Ru-100

MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 200.3 %

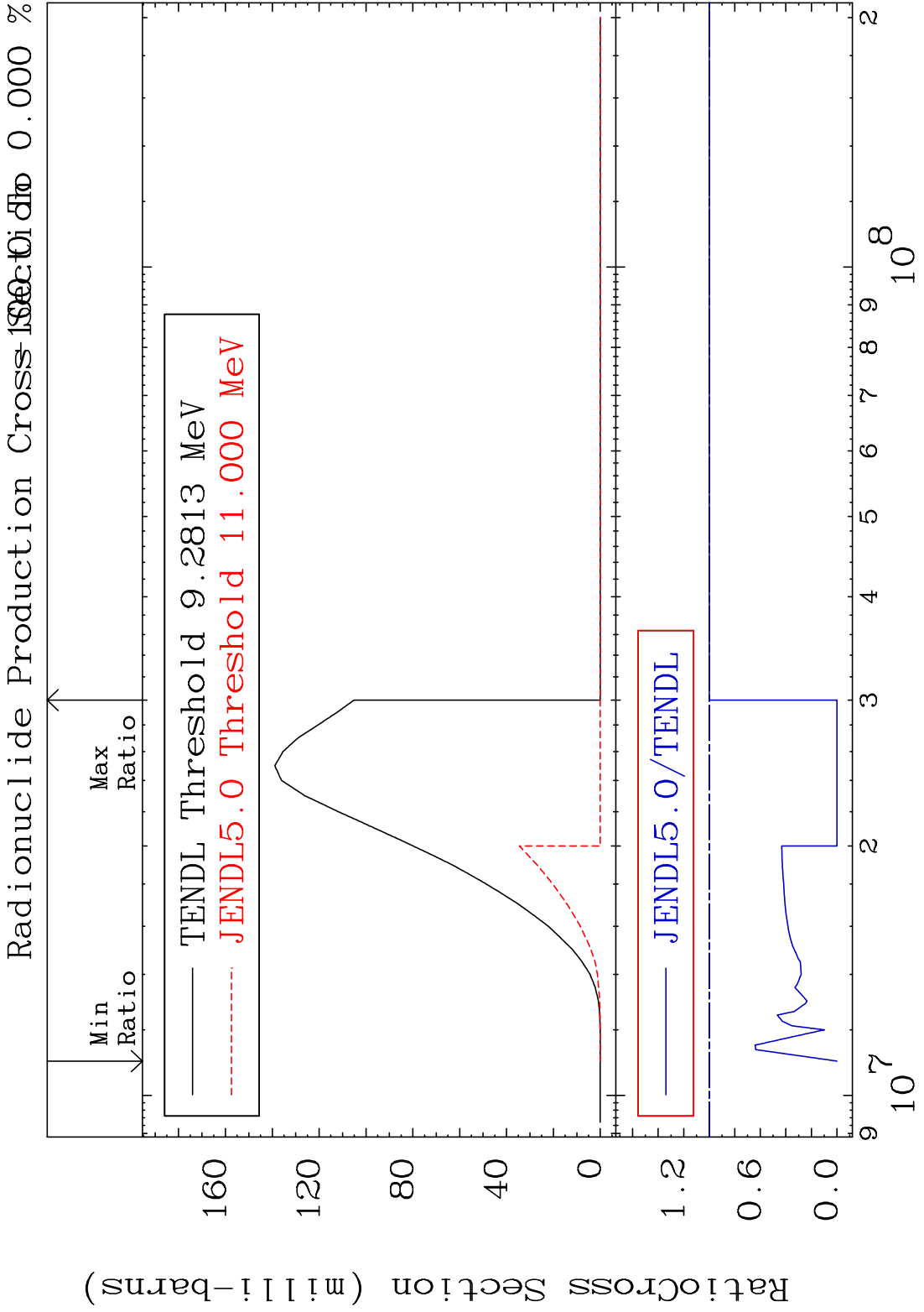


60 Incident Energy (eV) 44-Ru-100

MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

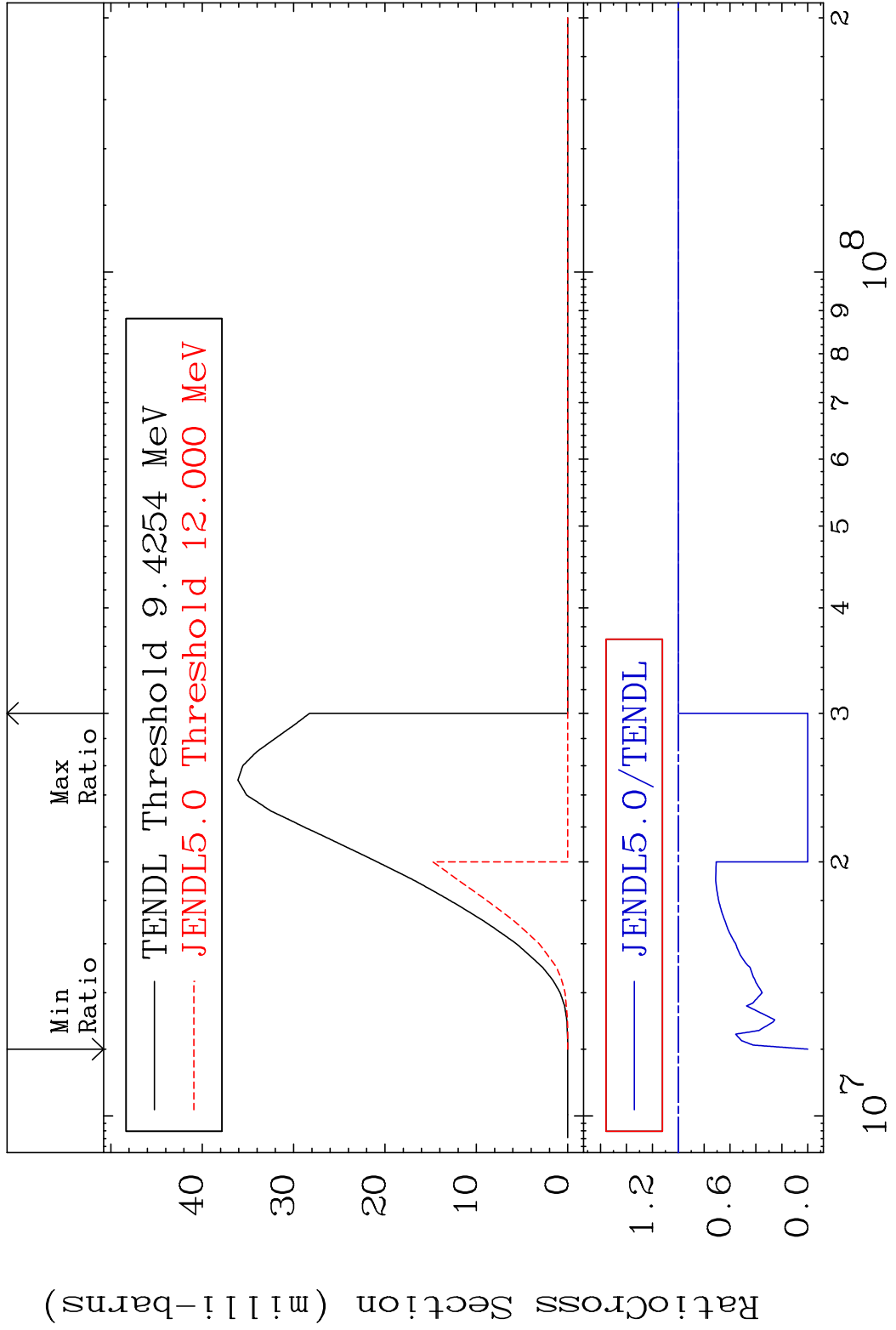


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
Radionuclide Production Cross Section 18000000.000 %



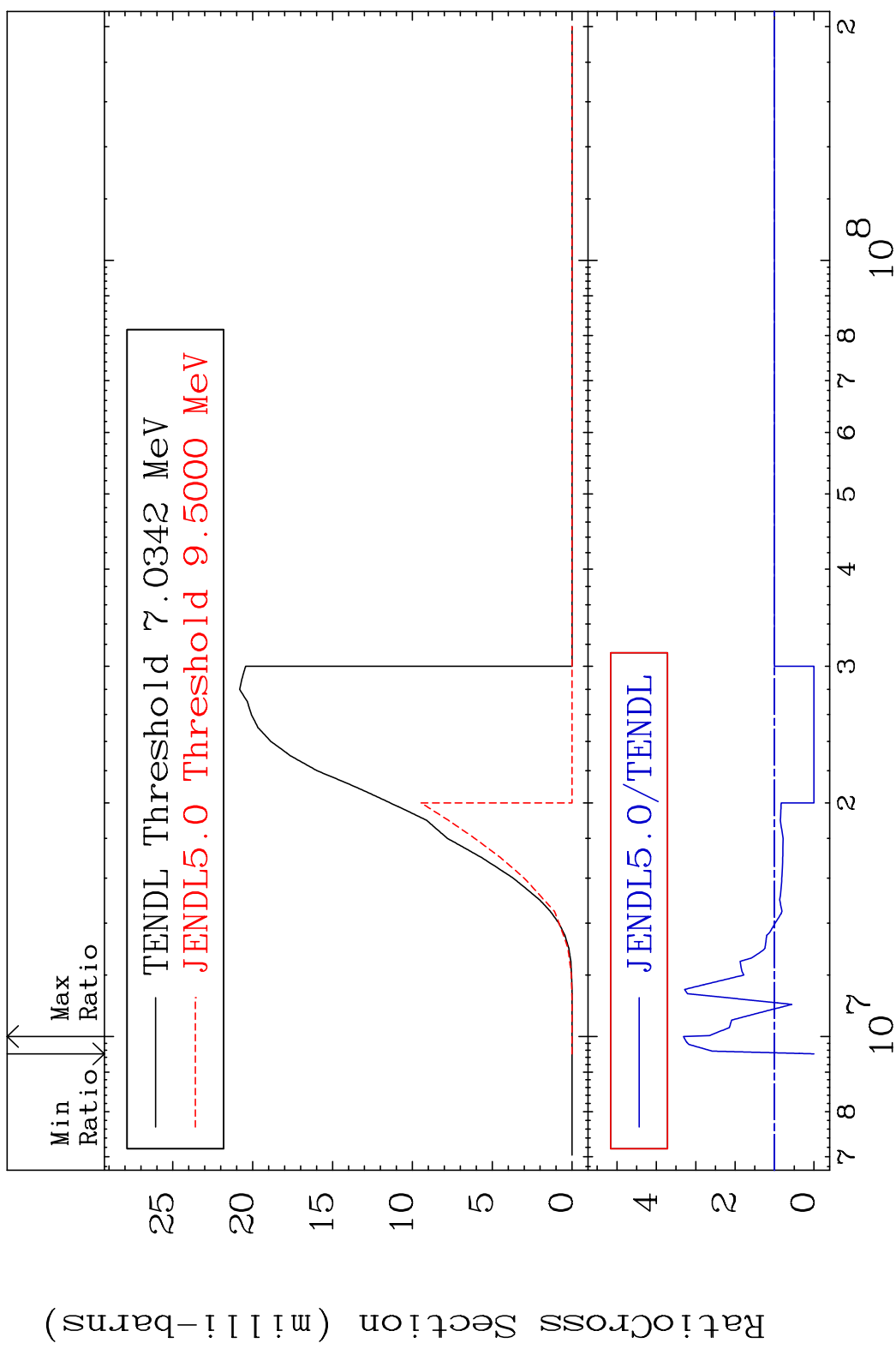
62 Incident Energy (eV) 44-Ru-100

MAT 4437 (n, n') p:43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 18000000.000 %



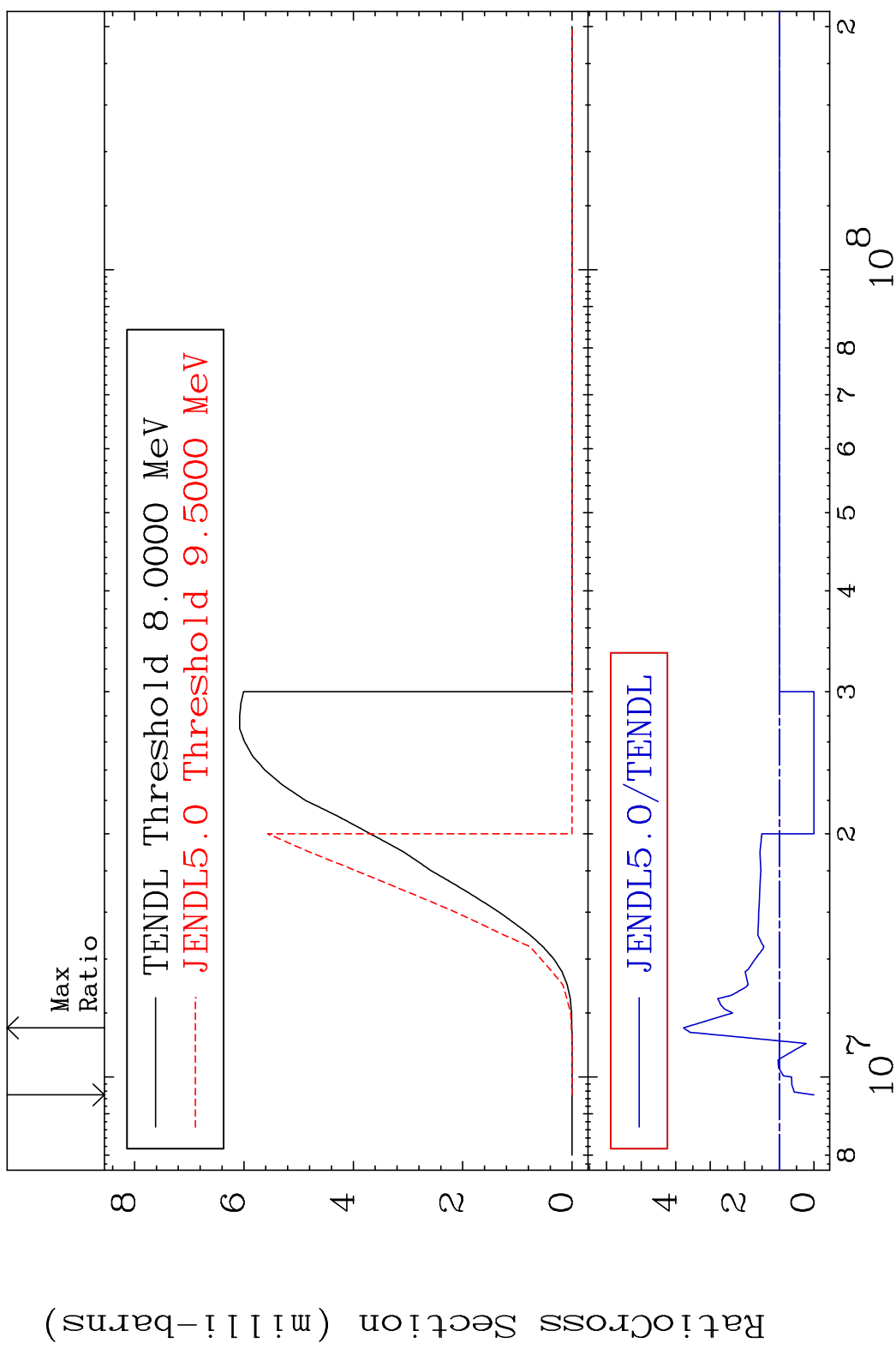
63 44-Ru-100

MAT 4437 (n,d):43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 180000 dth 231.1 %



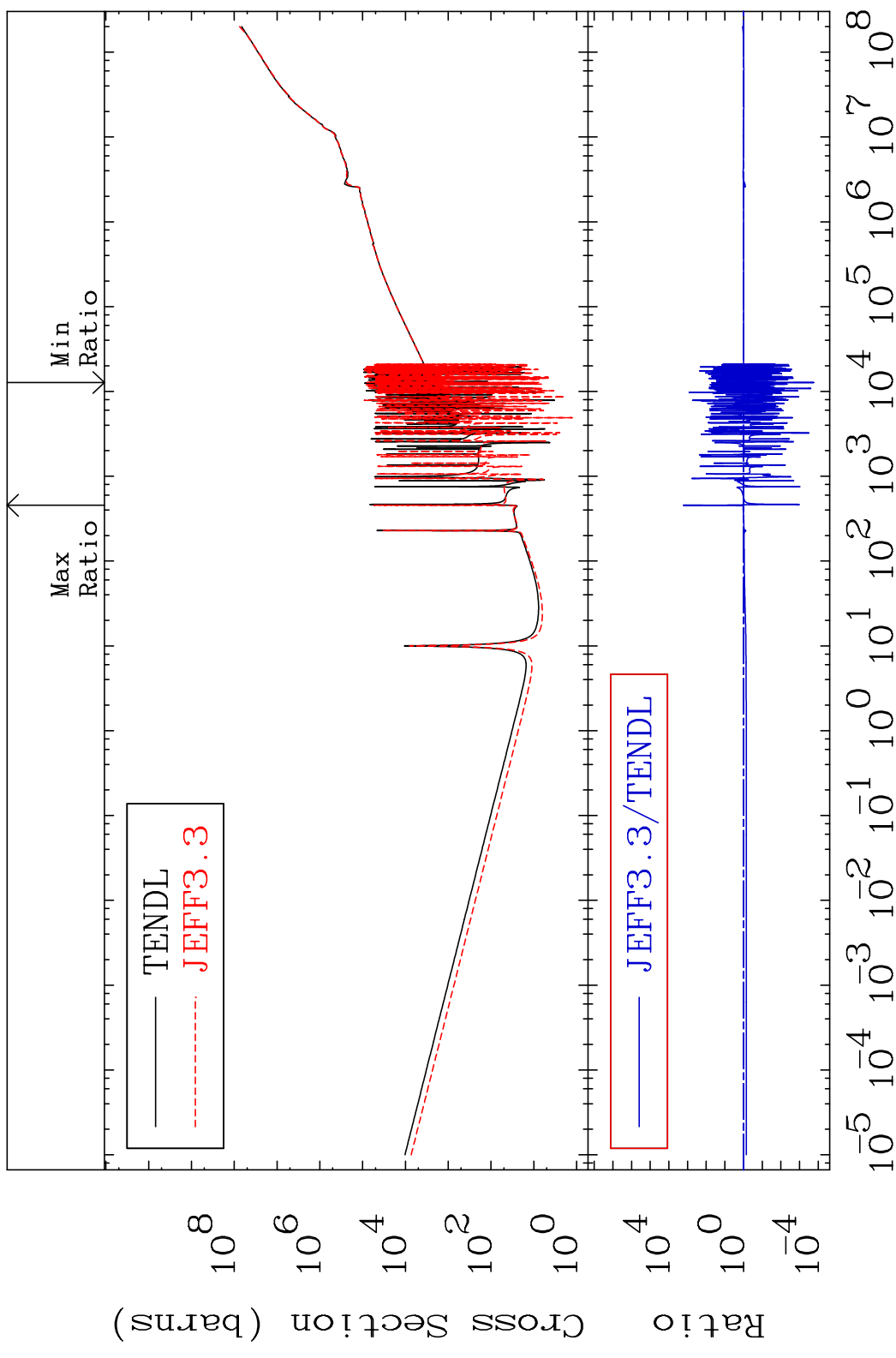
64 Incident Energy (eV) 44-Ru-100

MAT 4437 (n,d):43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 180000 dth 277.5 %



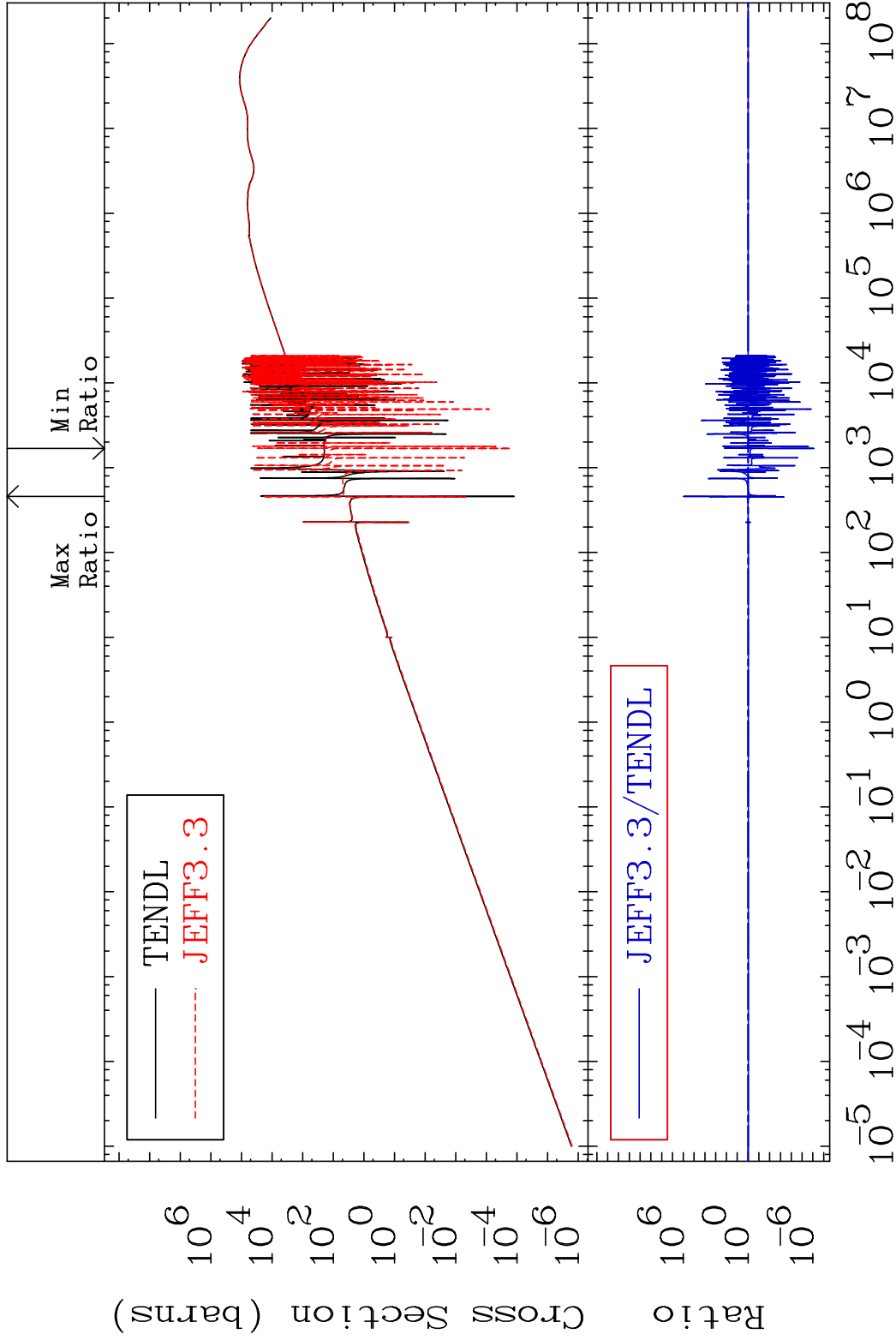
65 44-Ru-100

MAT 4437 Kerma total (eV-barns) 44-Ru-100
 Cross Section -99.98 To 9999. %



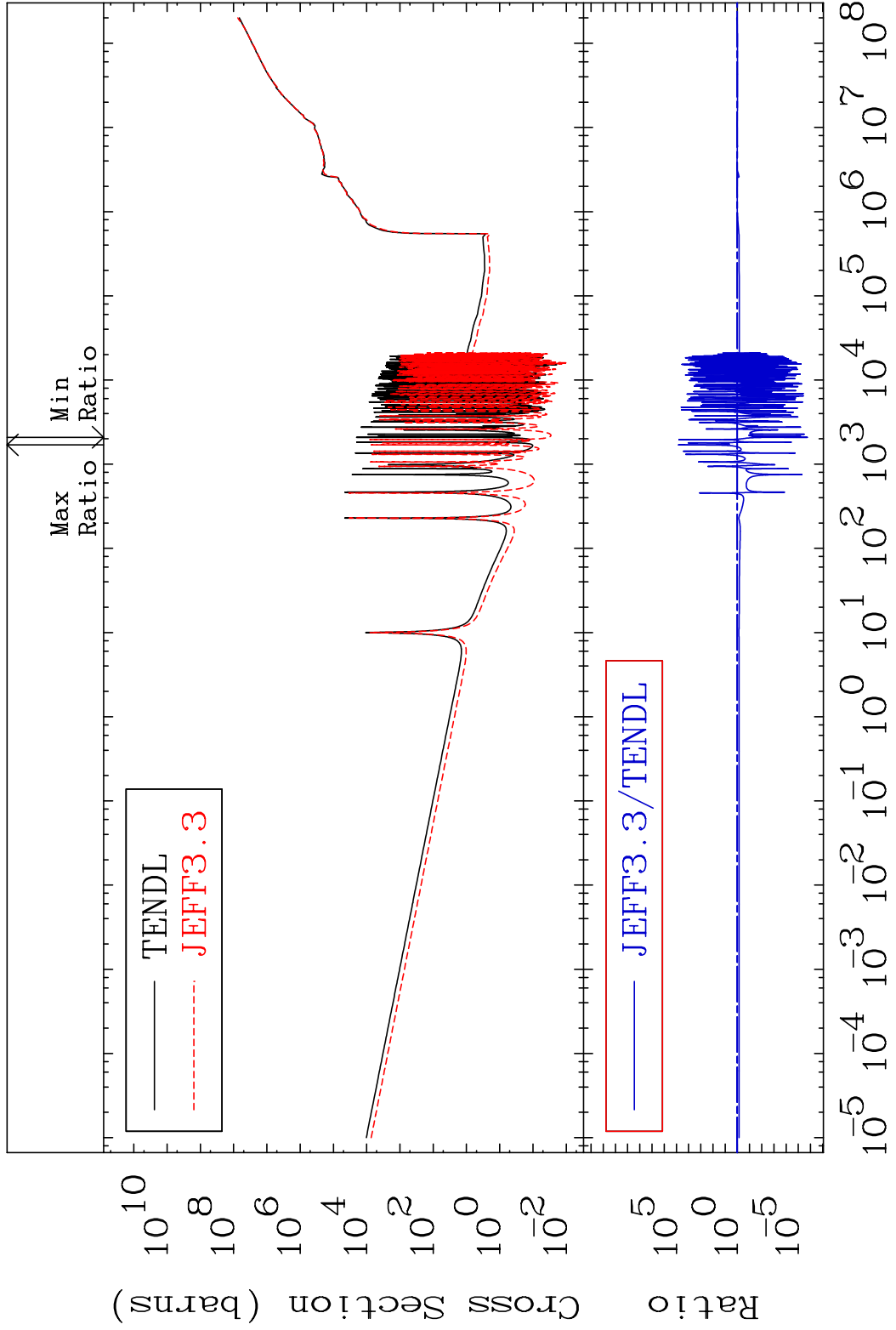
66 Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma elastic 44-Ru-100
 Cross Section -100.0 To 9999. %



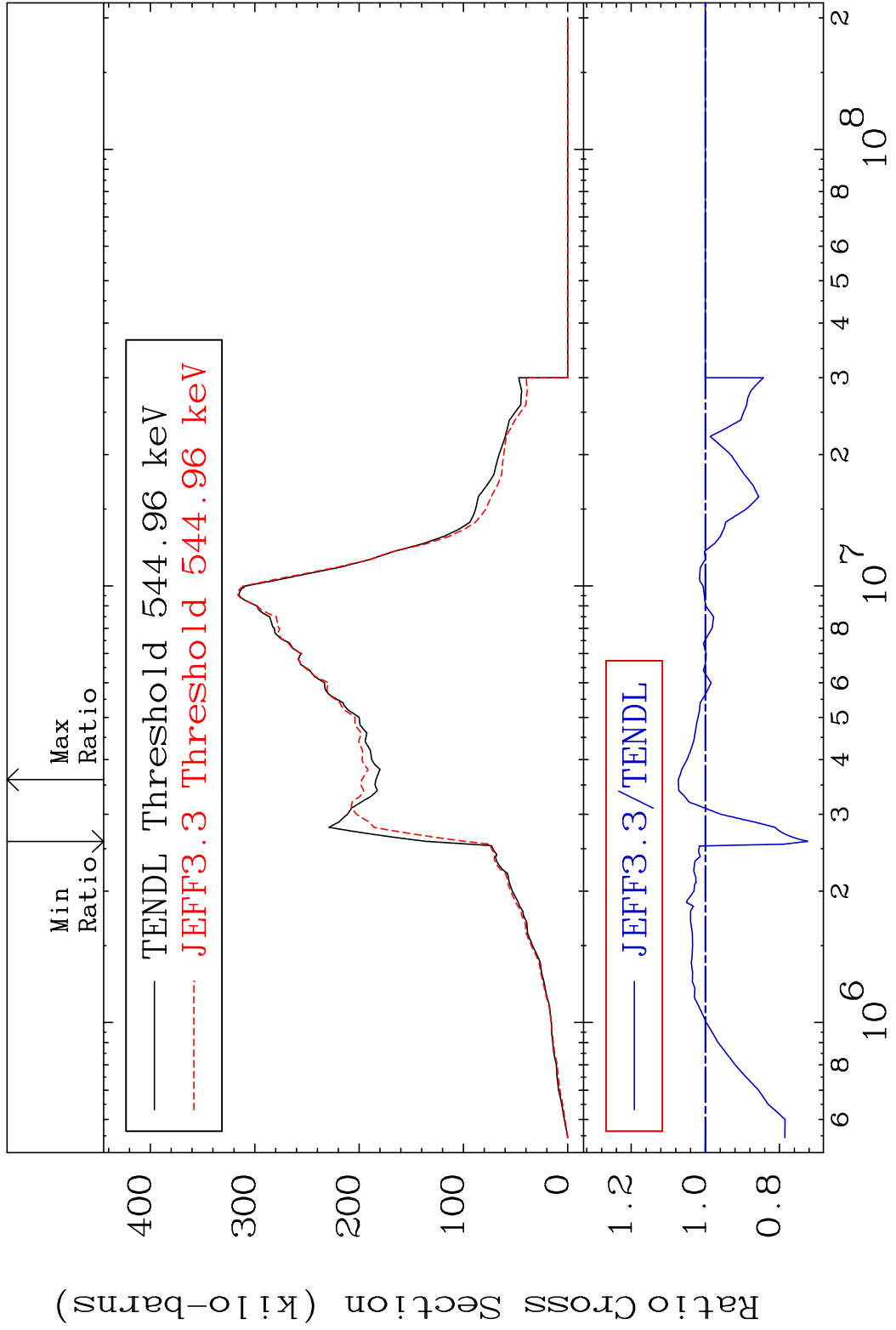
67 Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -100.0 To 9999. %



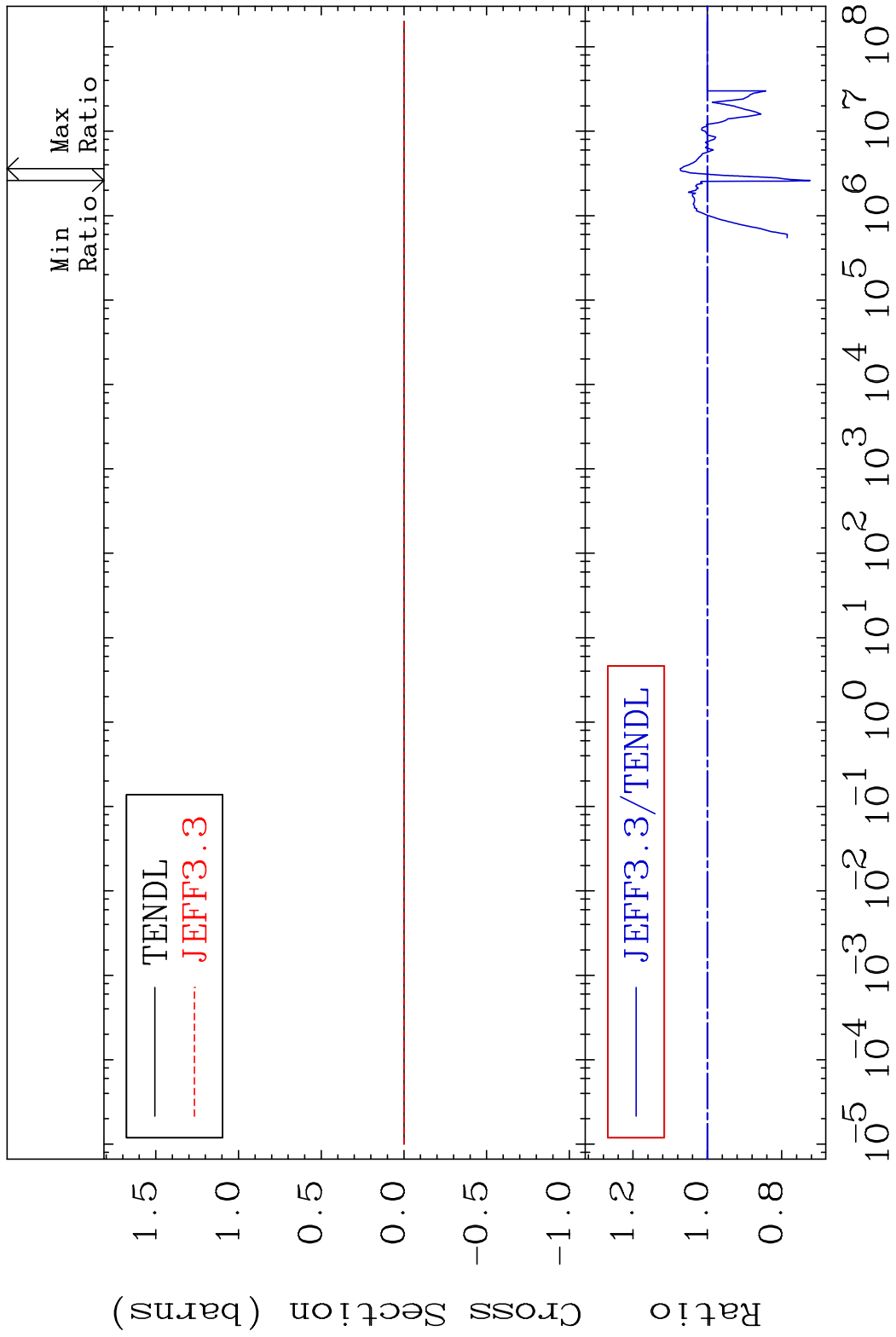
68 Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -27.61 To 7.314 %



69 44-Ru-100

MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -27.61 To 7.314 %

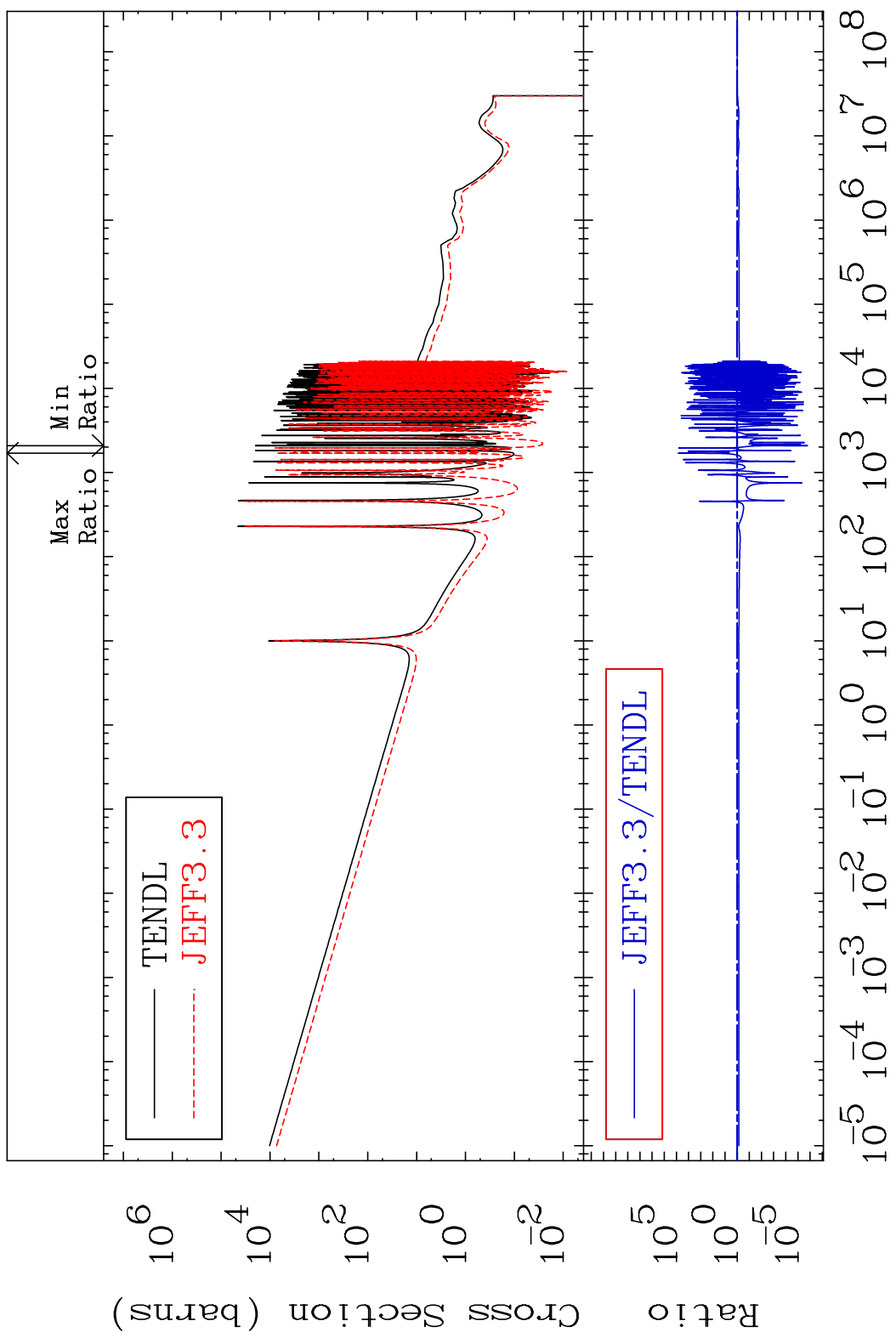


70

Incident Energy (eV)

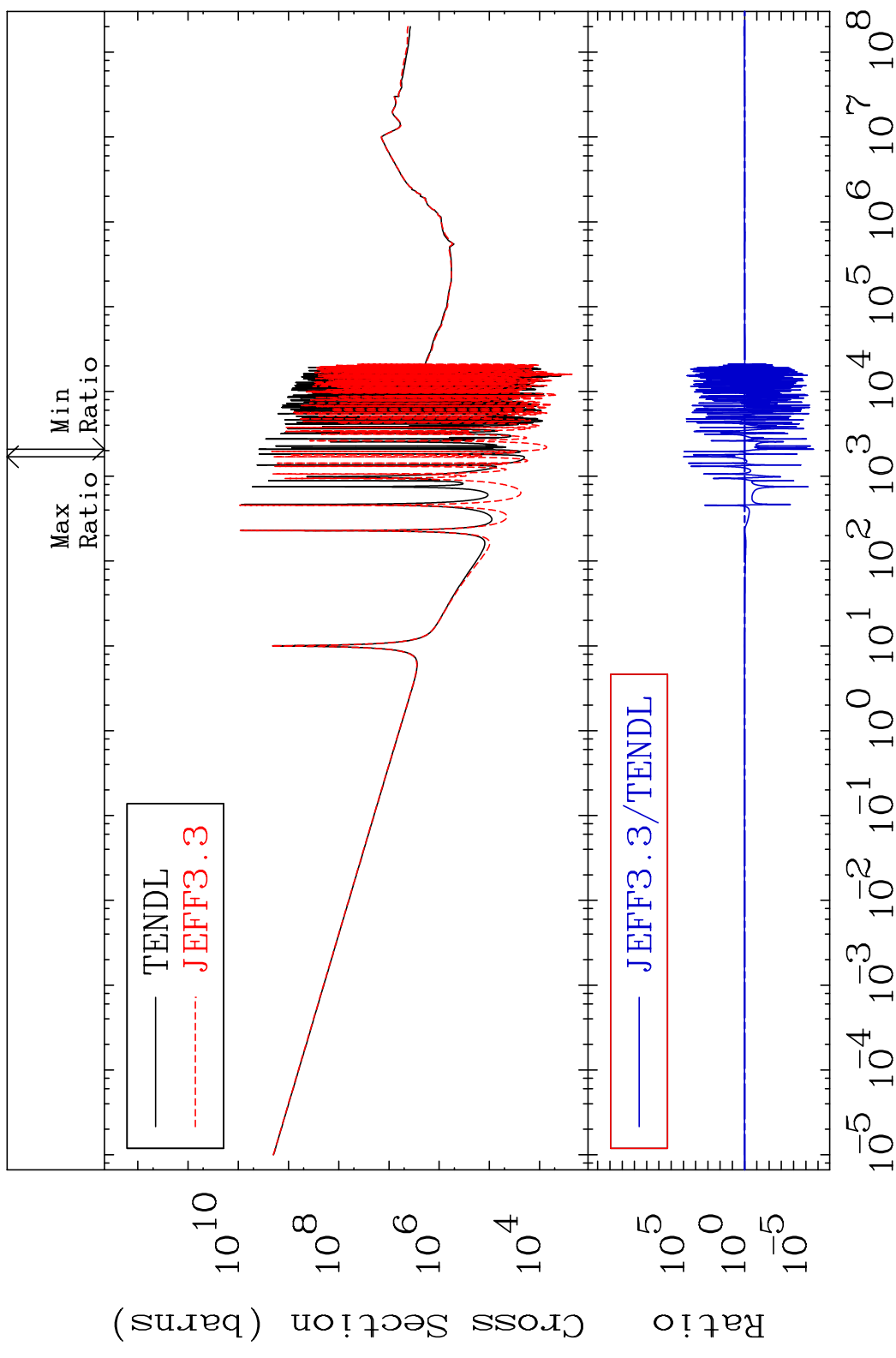
44-Ru-100

MAT 4437 Kerma capture (mt102) 44-Ru-100
 Cross Section -100.0 To 9999. %



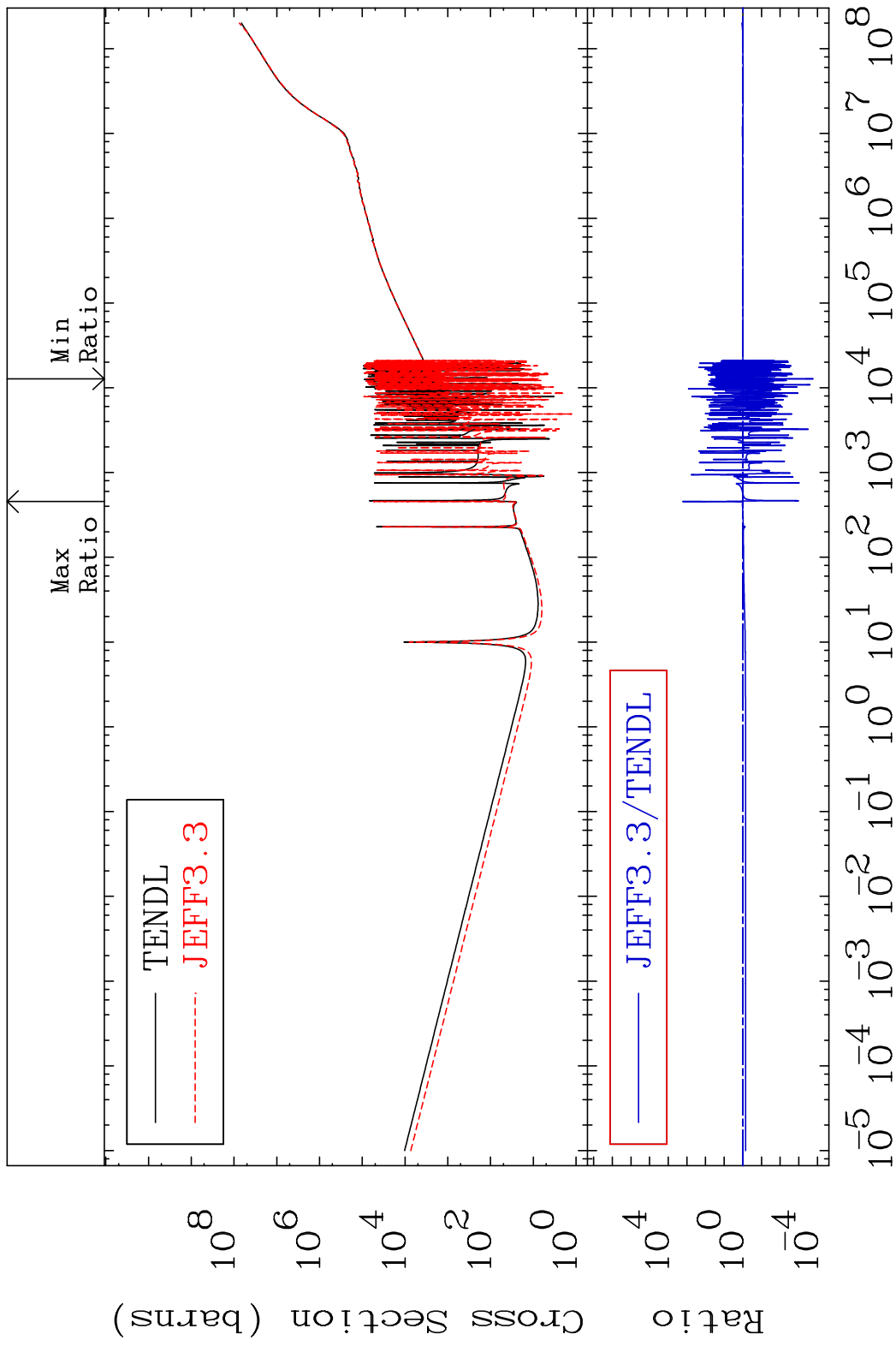
71 Incident Energy (eV) 44-Ru-100

MAT 4437 Total photon (eV-barns) 44-Ru-100
 Cross Section -100.0 To 9999. %

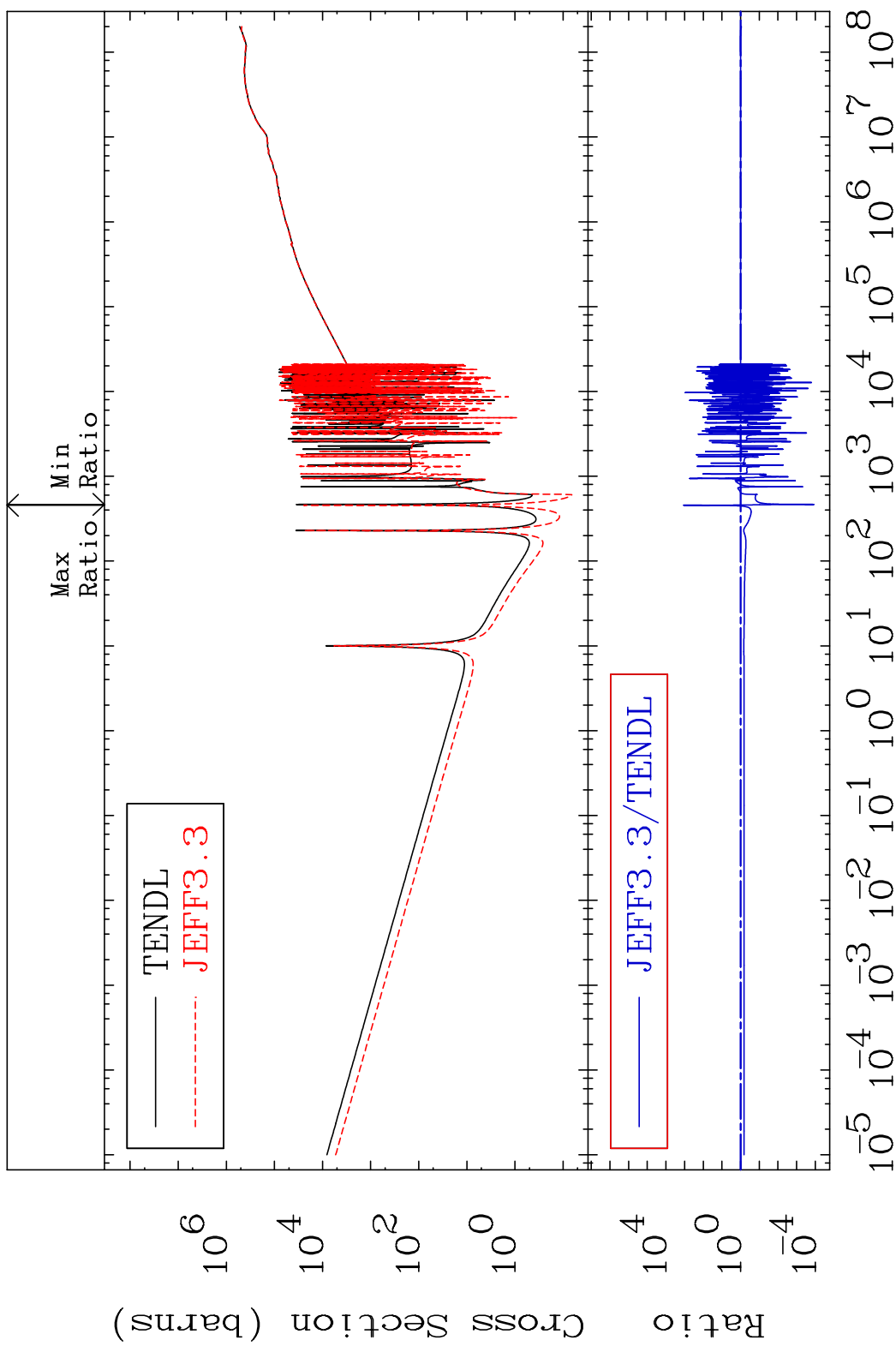


72 Incident Energy (eV) 44-Ru-100

MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.98 To 9999. %

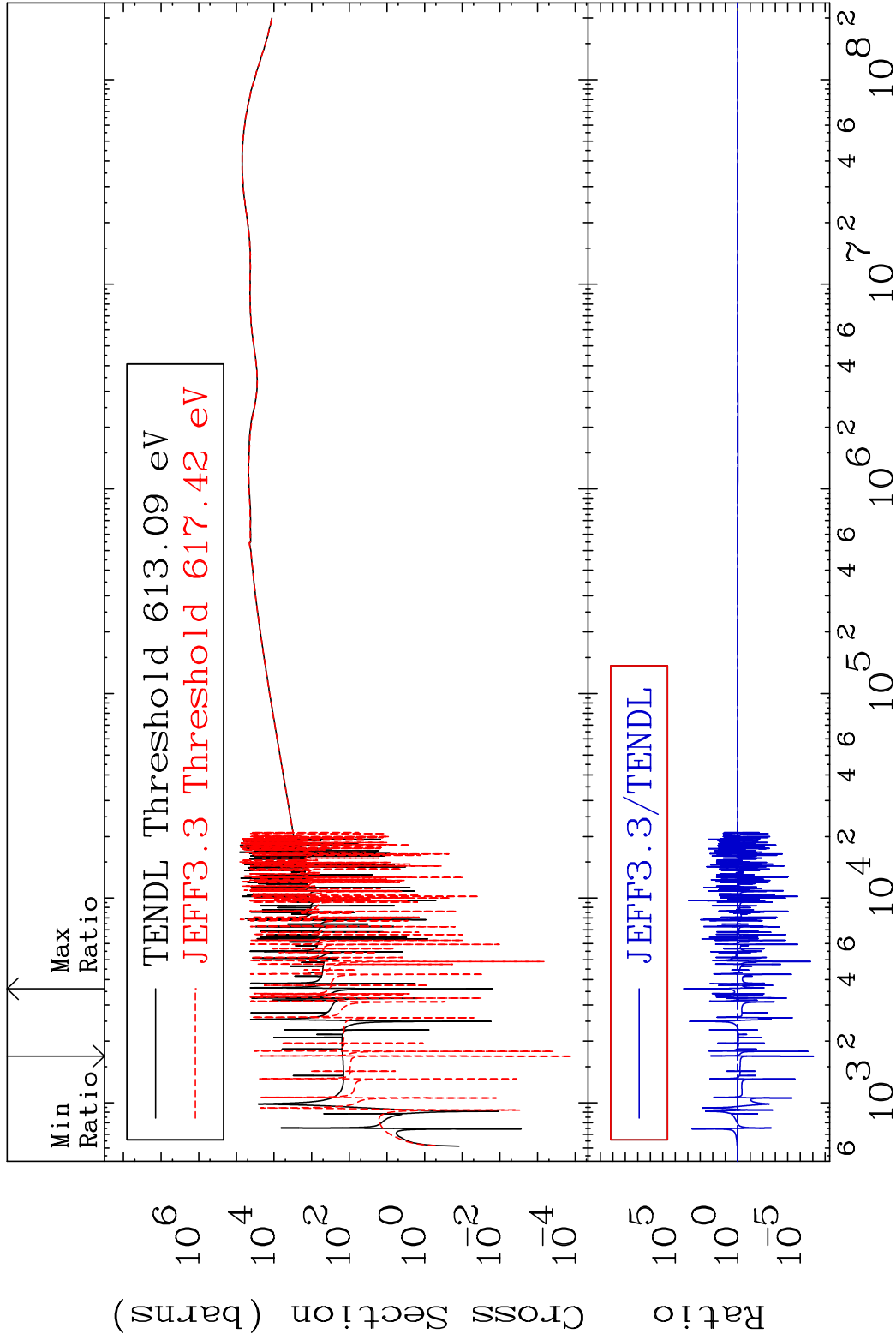


MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.99 To 9999. %



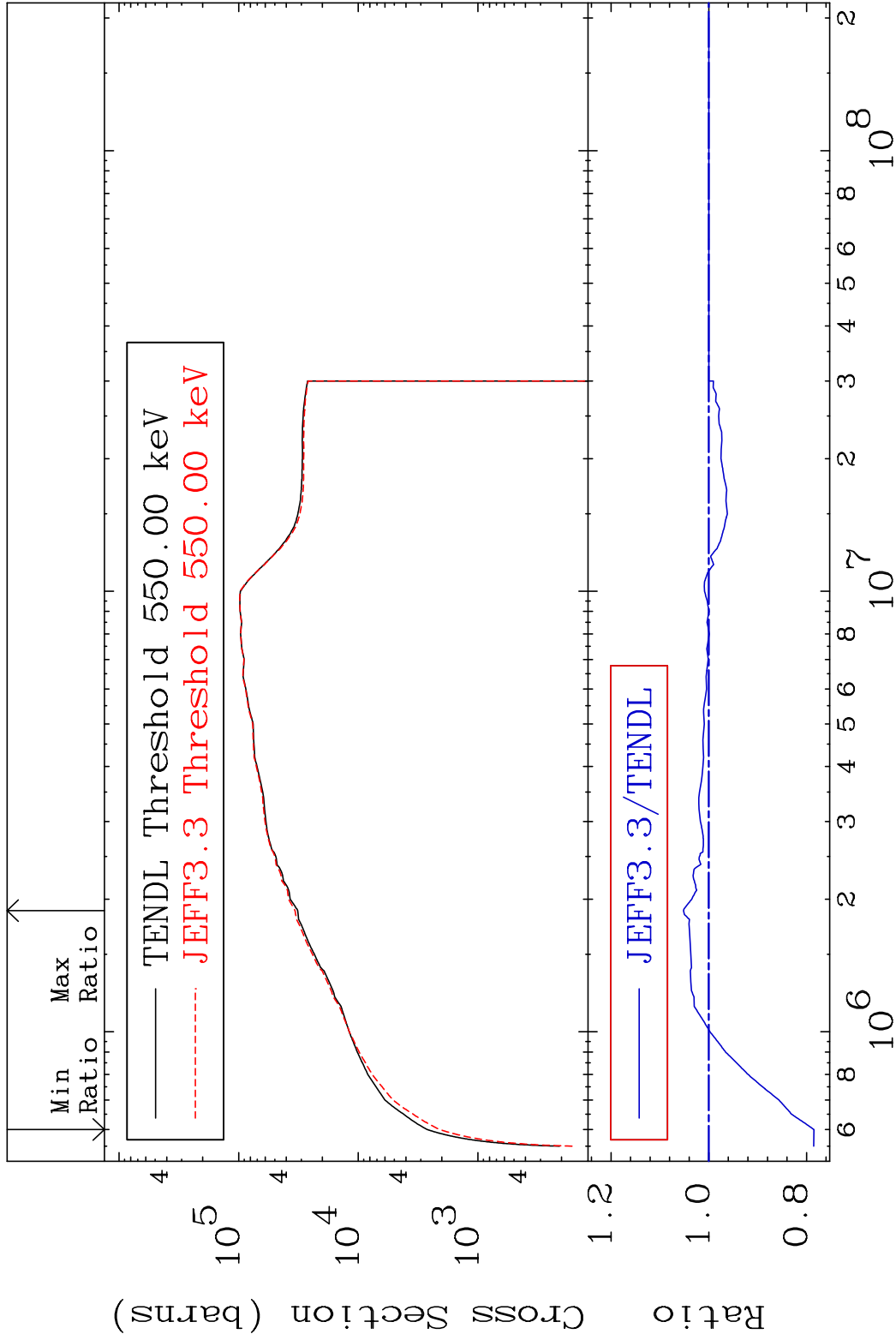
74 Incident Energy (eV) 44-Ru-100

MAT 4437 Dpa elastic (mt2) 44-Ru-100
 Cross Section -100.0 To 9999. %



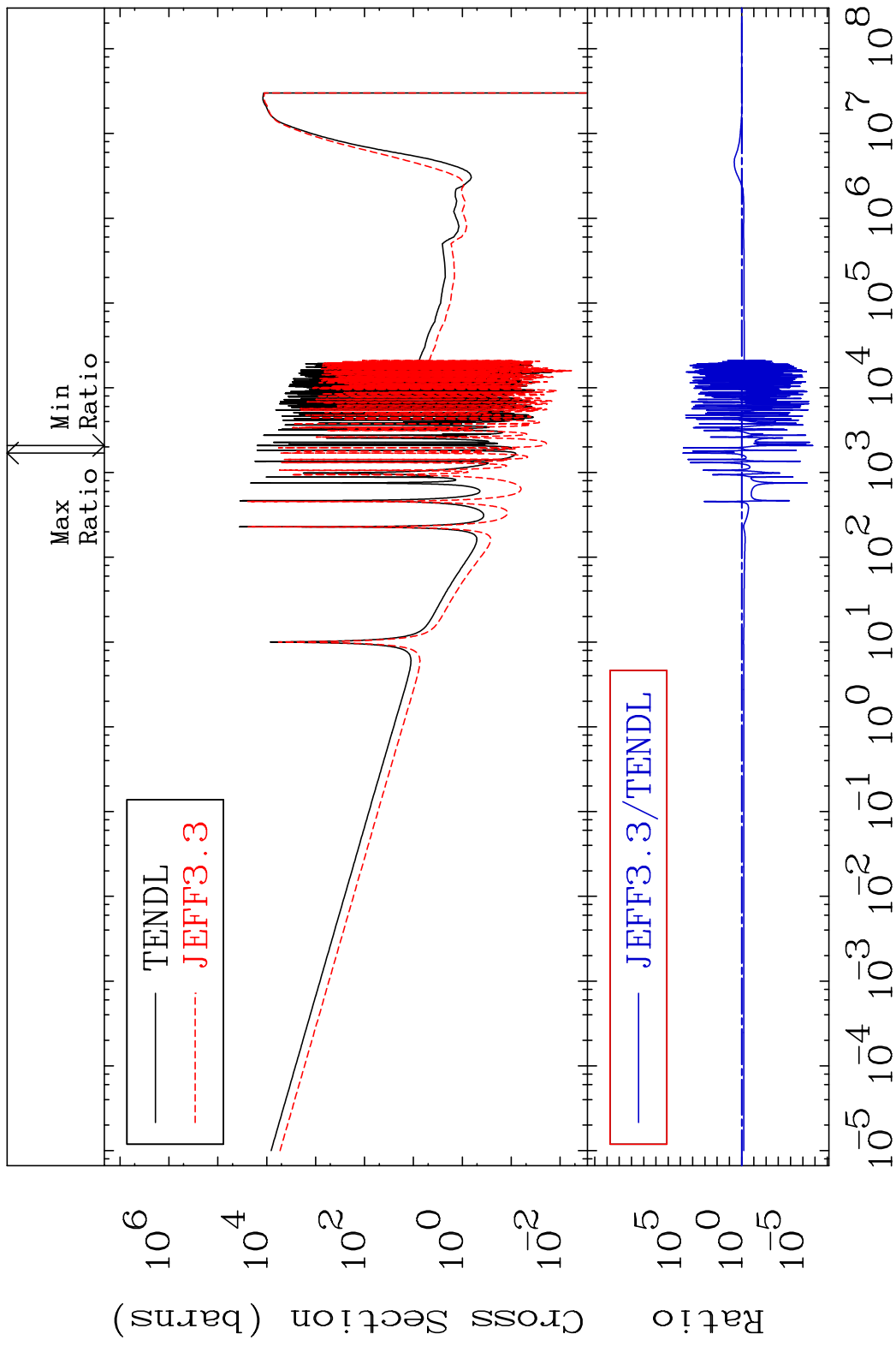
75 Incident Energy (eV) 44-Ru-100

MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -21.50 To 5.177 %

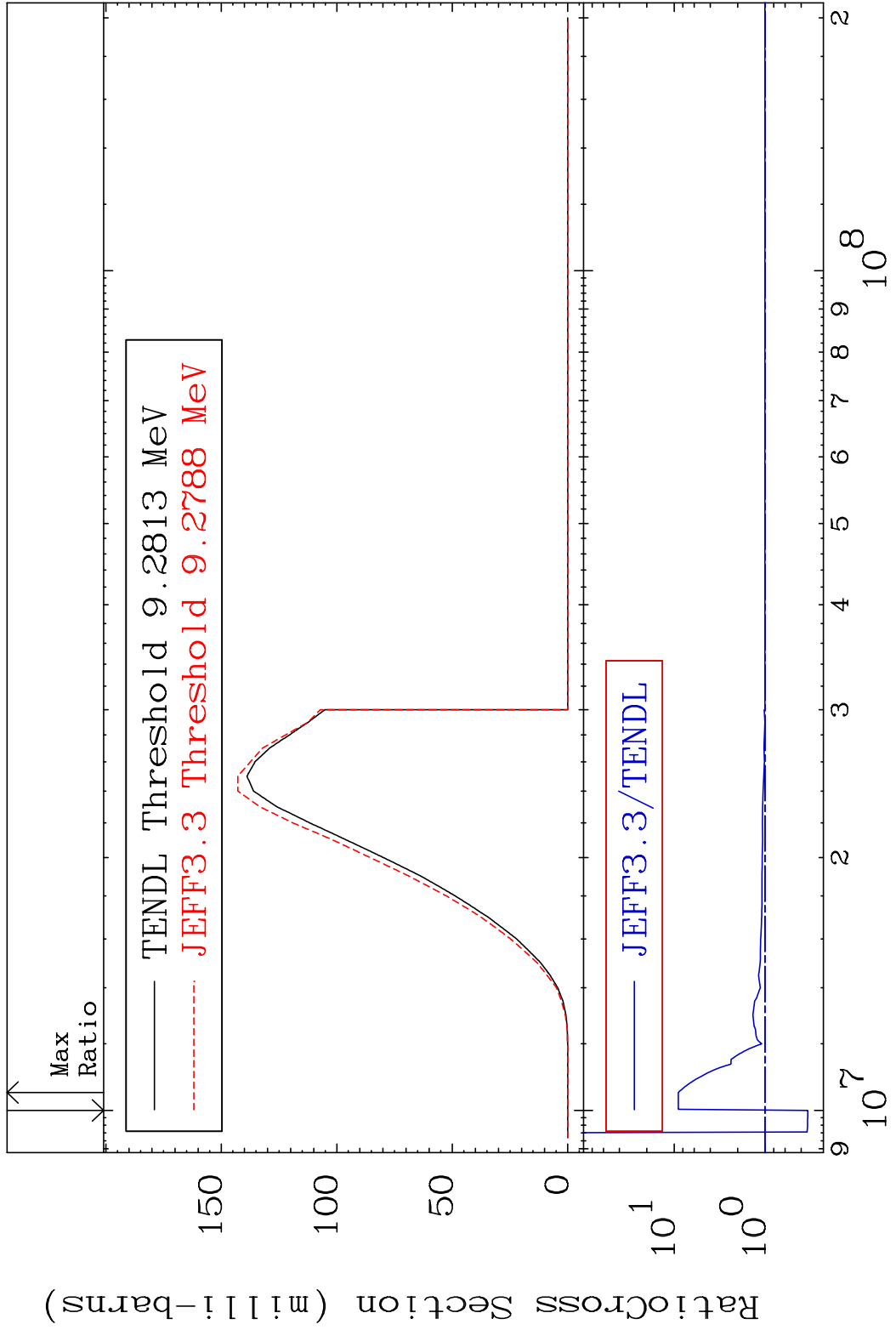


76 Incident Energy (eV) 44-Ru-100

MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

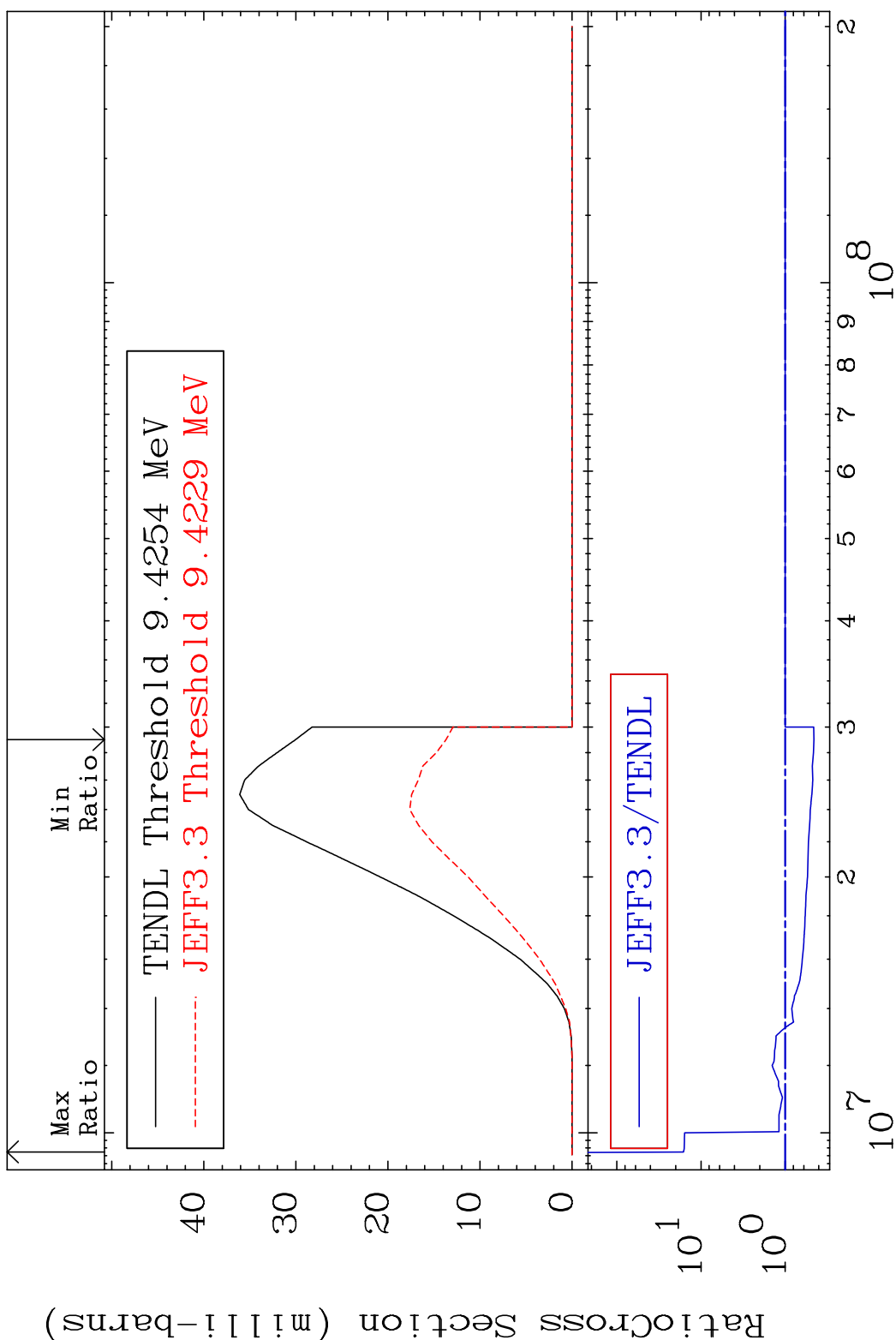


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 800.0 %

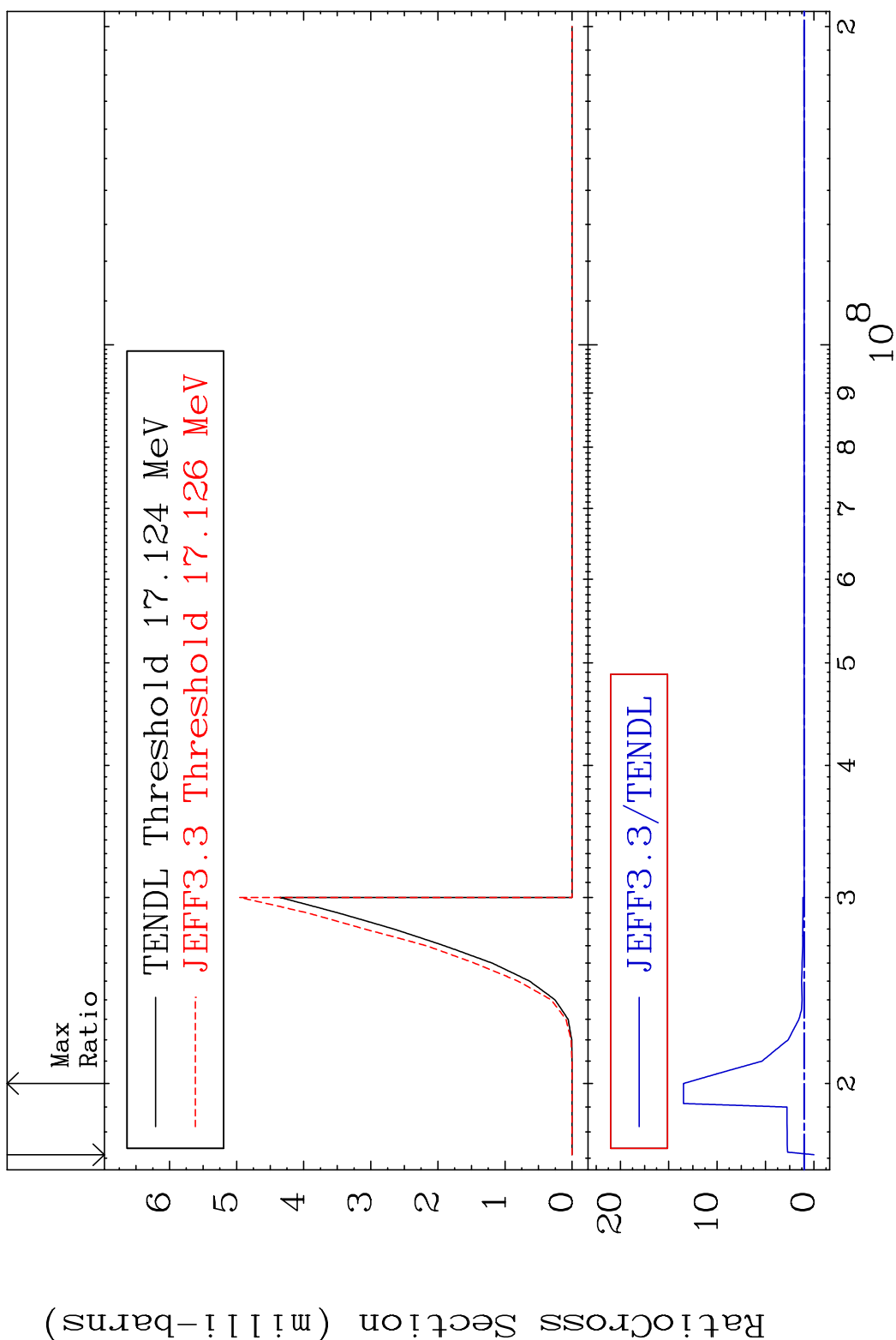


80 Incident Energy (eV) 44-Ru-100

MAT 4437 (n, n') p:43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 58.43 d to 1516. %

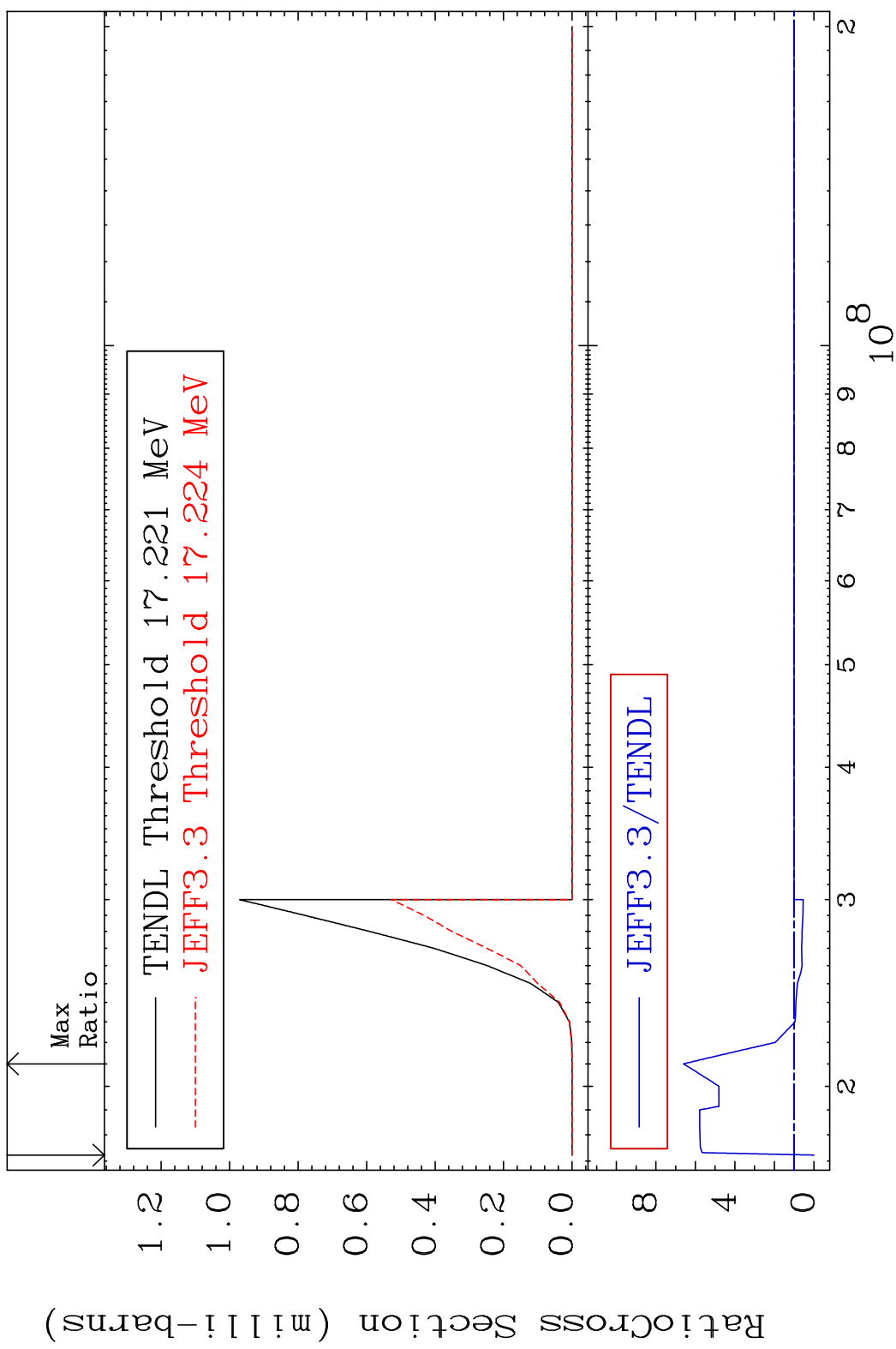


MAT 4437 (n, n') t:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section 180000 dpo 1248. %

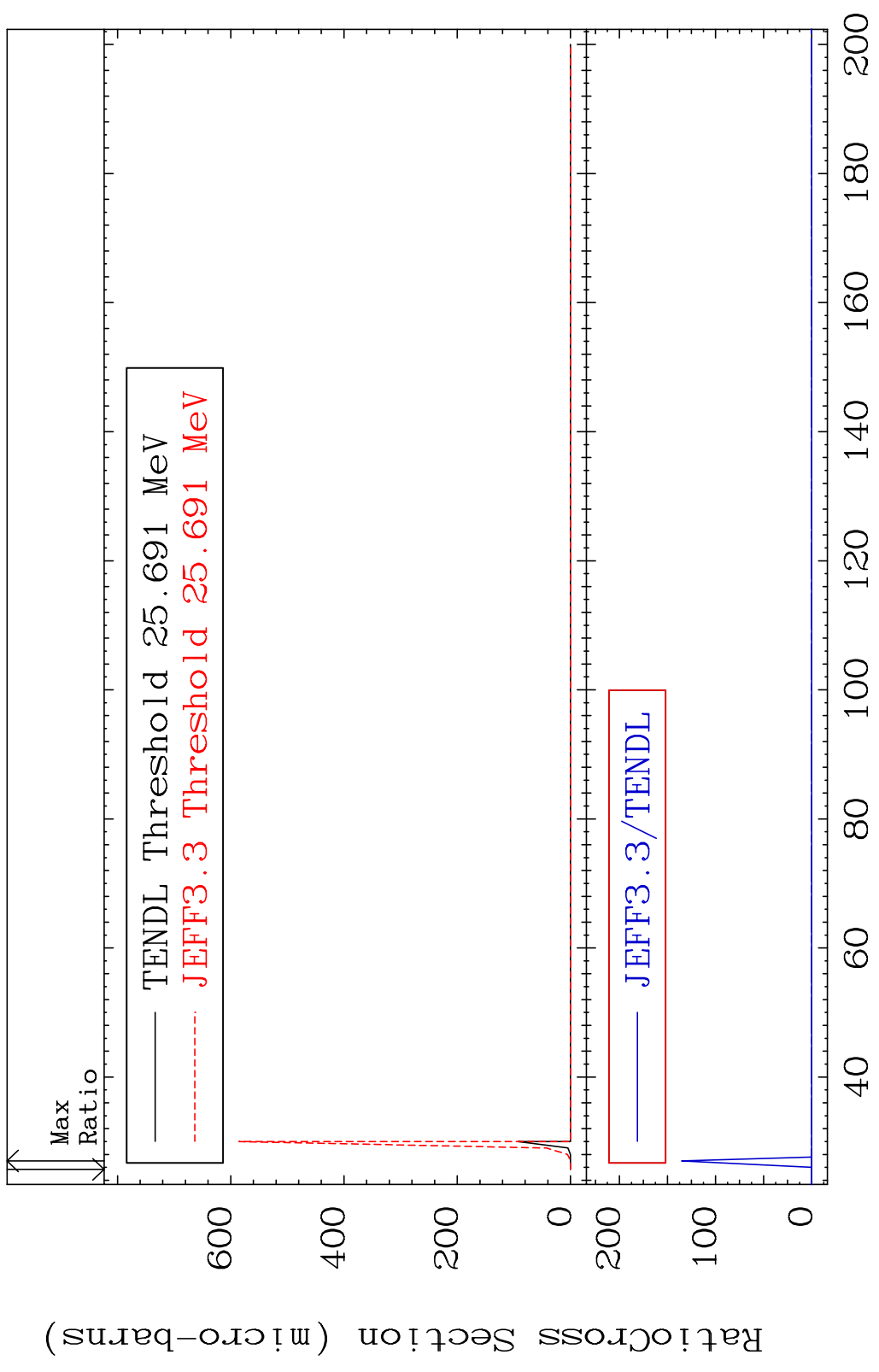


82 Incident Energy (eV) 44-Ru-100

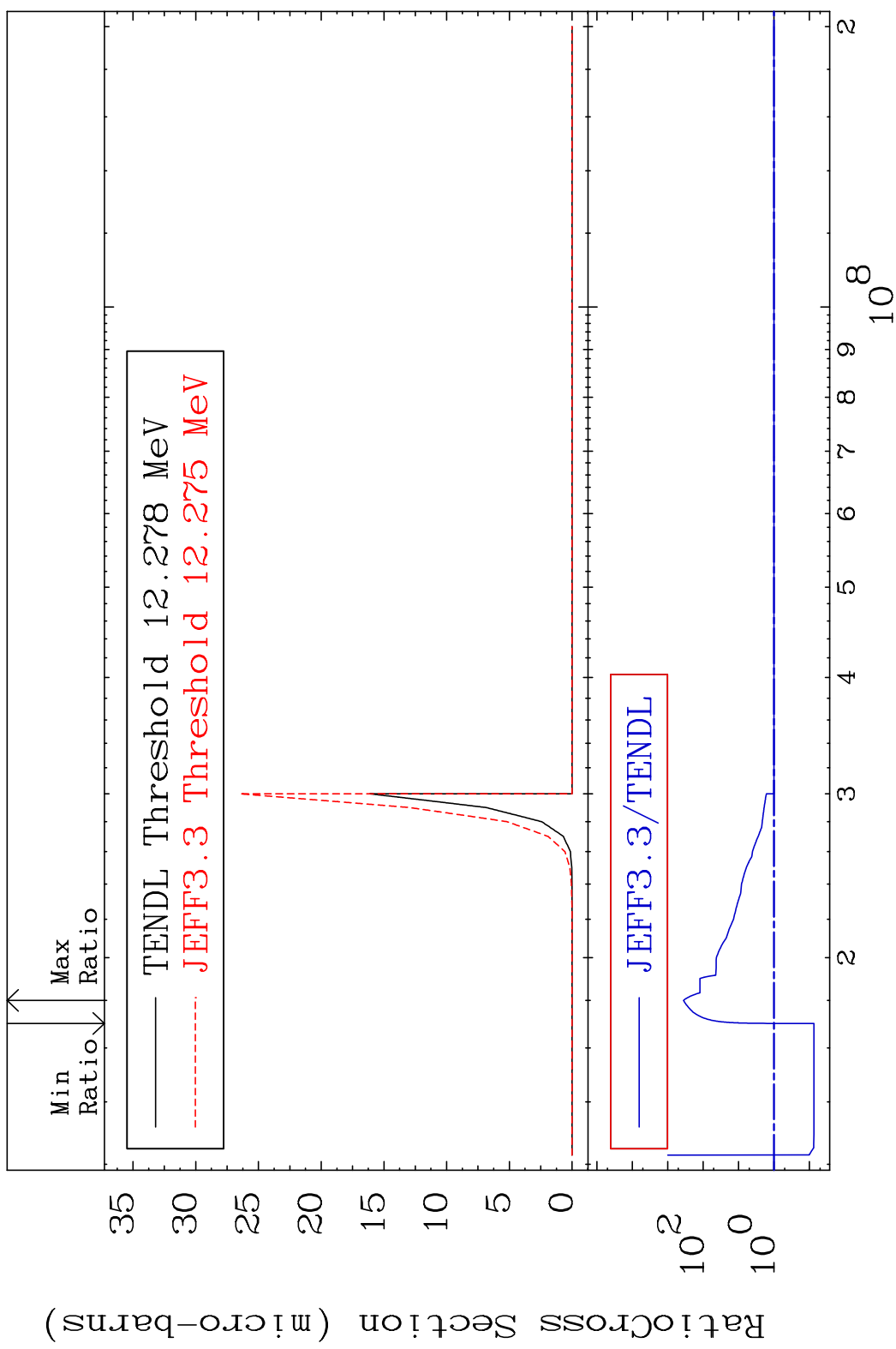
MAT 4437 (n, n') t:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 1800.0 dth 560.4 %

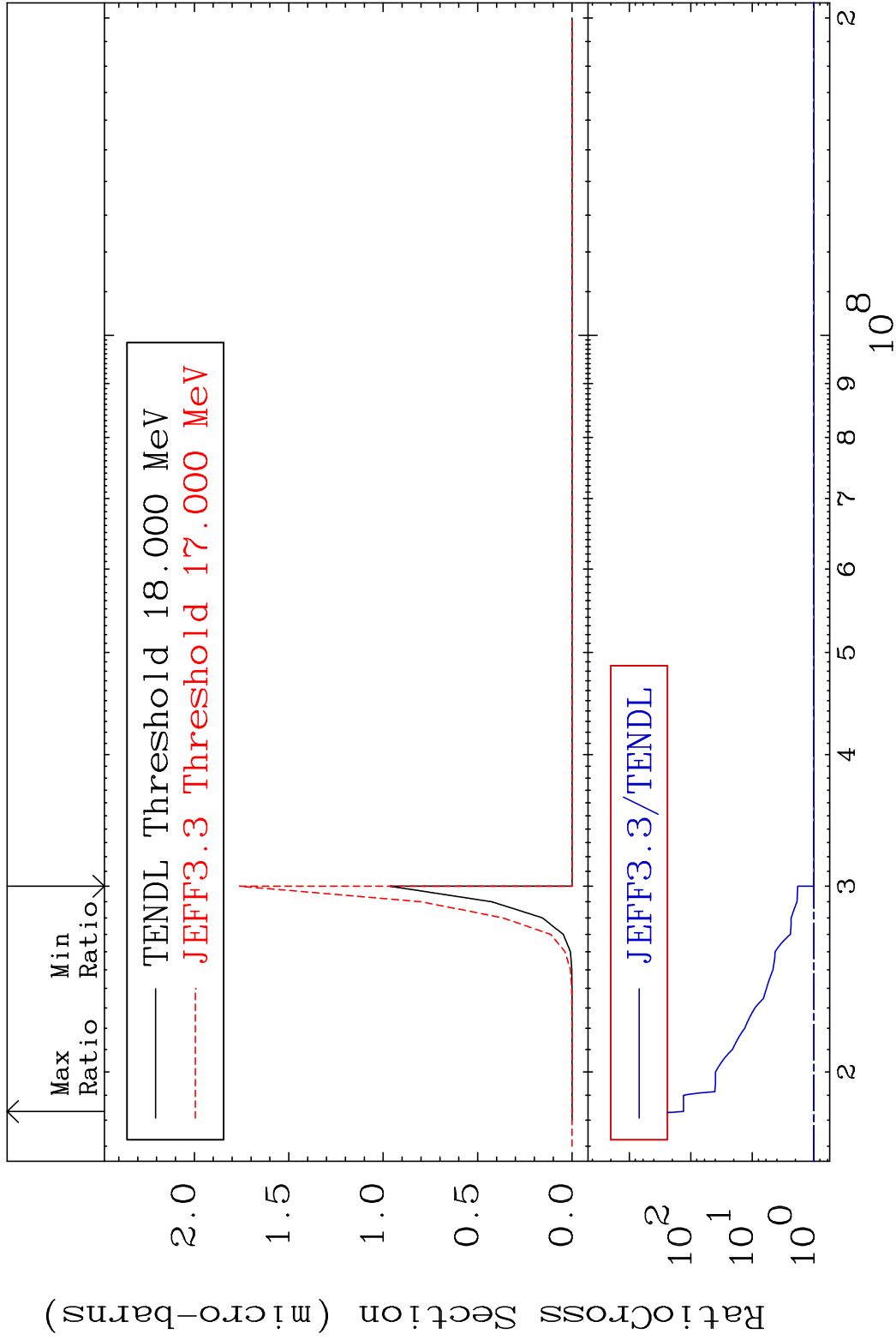


MAT 4437 (n,3n) p:43-Tc-97g 44-Ru-100
Radionuclide Production Cross Section 10000 dpo 9999. %

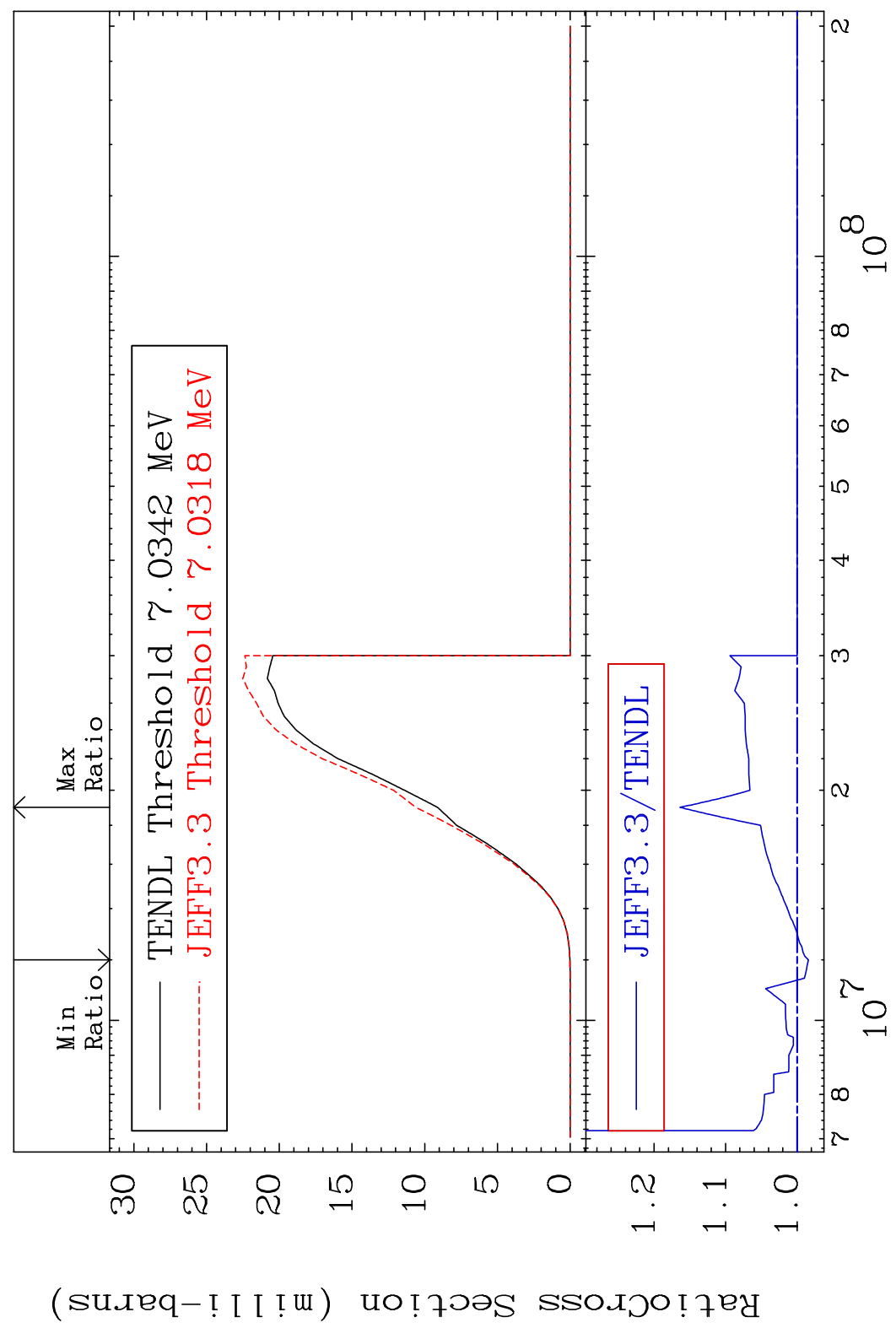


84 Incident Energy (MeV) 44-Ru-100



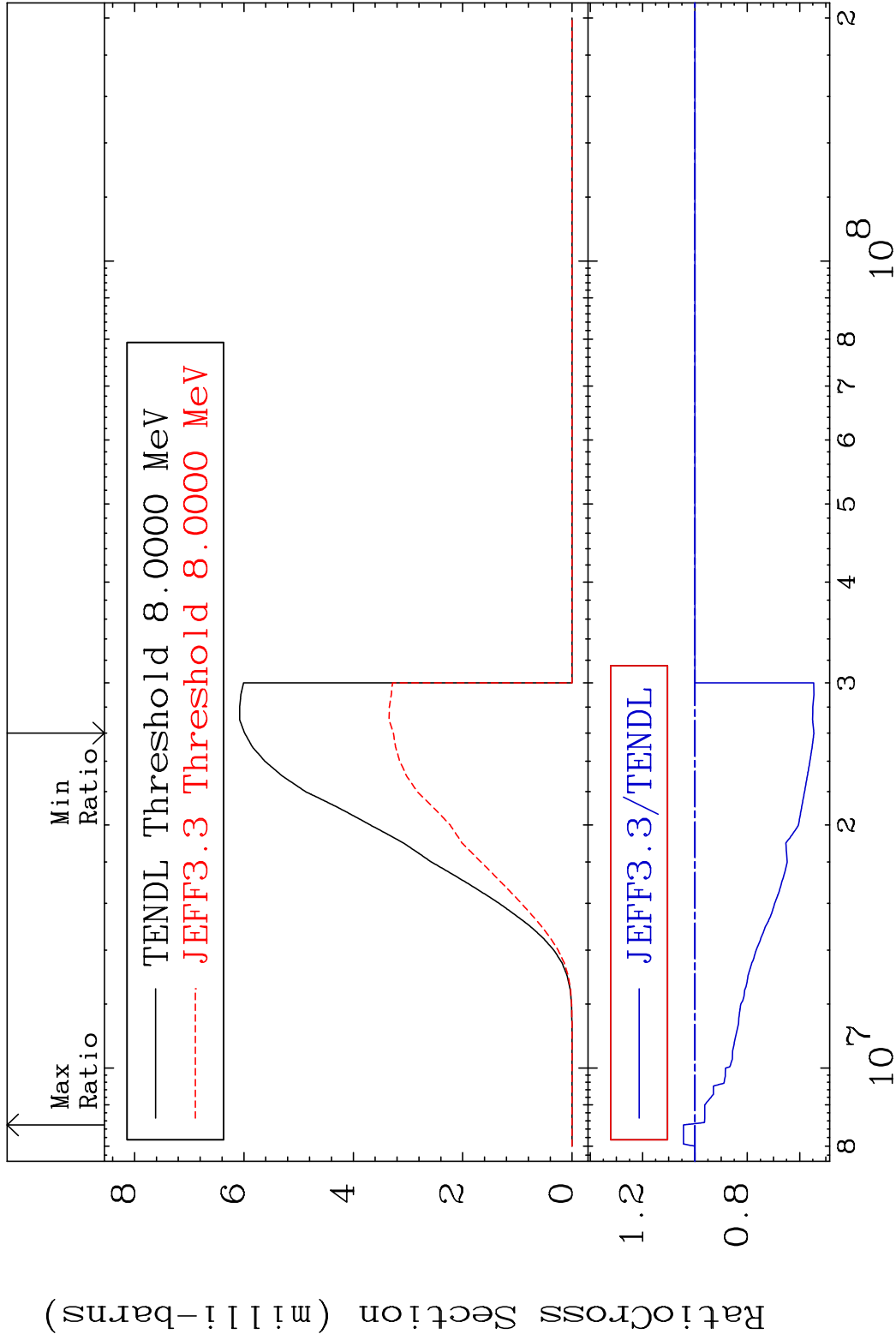


MAT 4437 (n,d): 43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 16.39 %



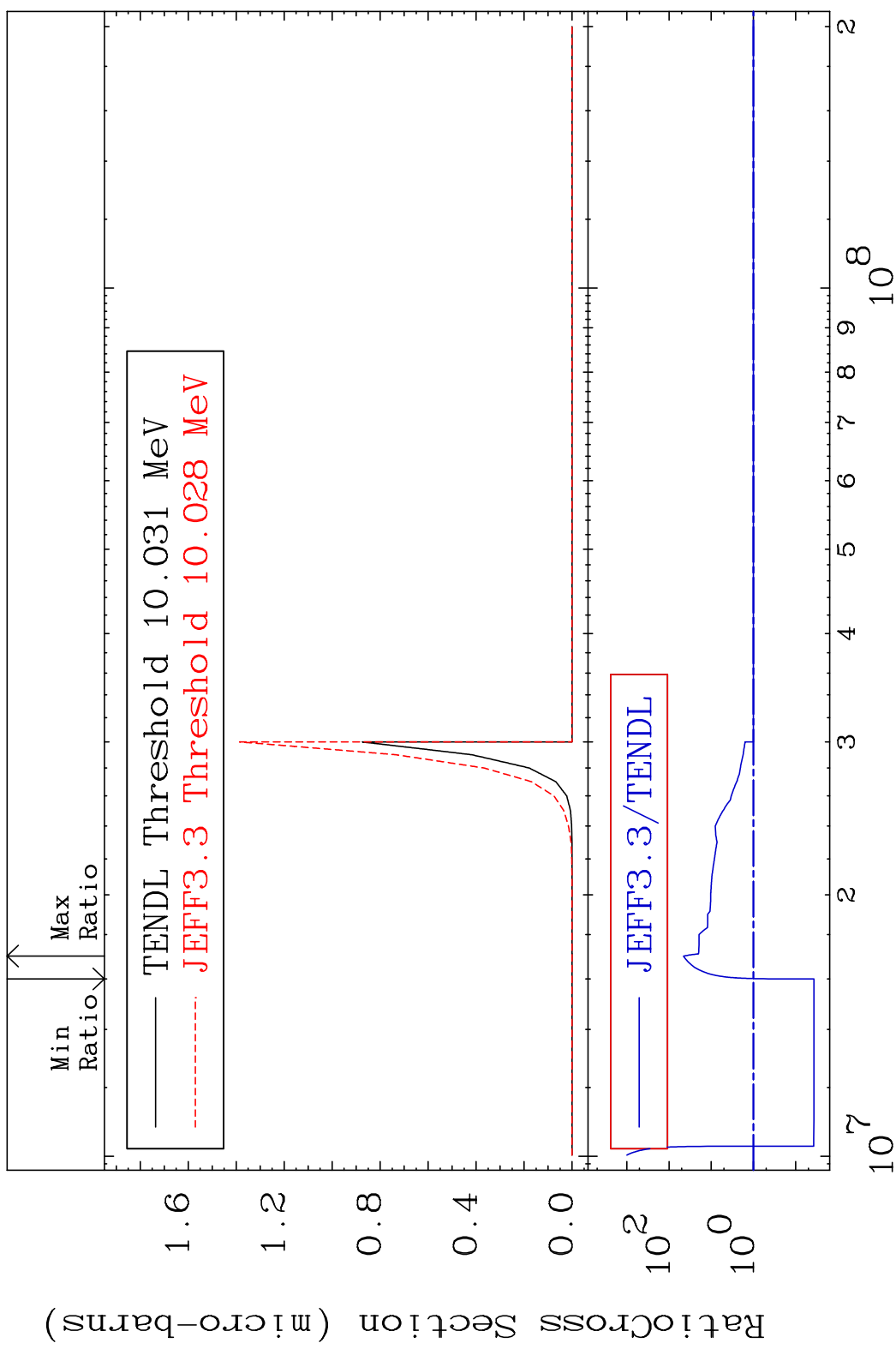
88 Incident Energy (eV) 44-Ru-100

MAT 4437 (n,d):43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 4.384 %



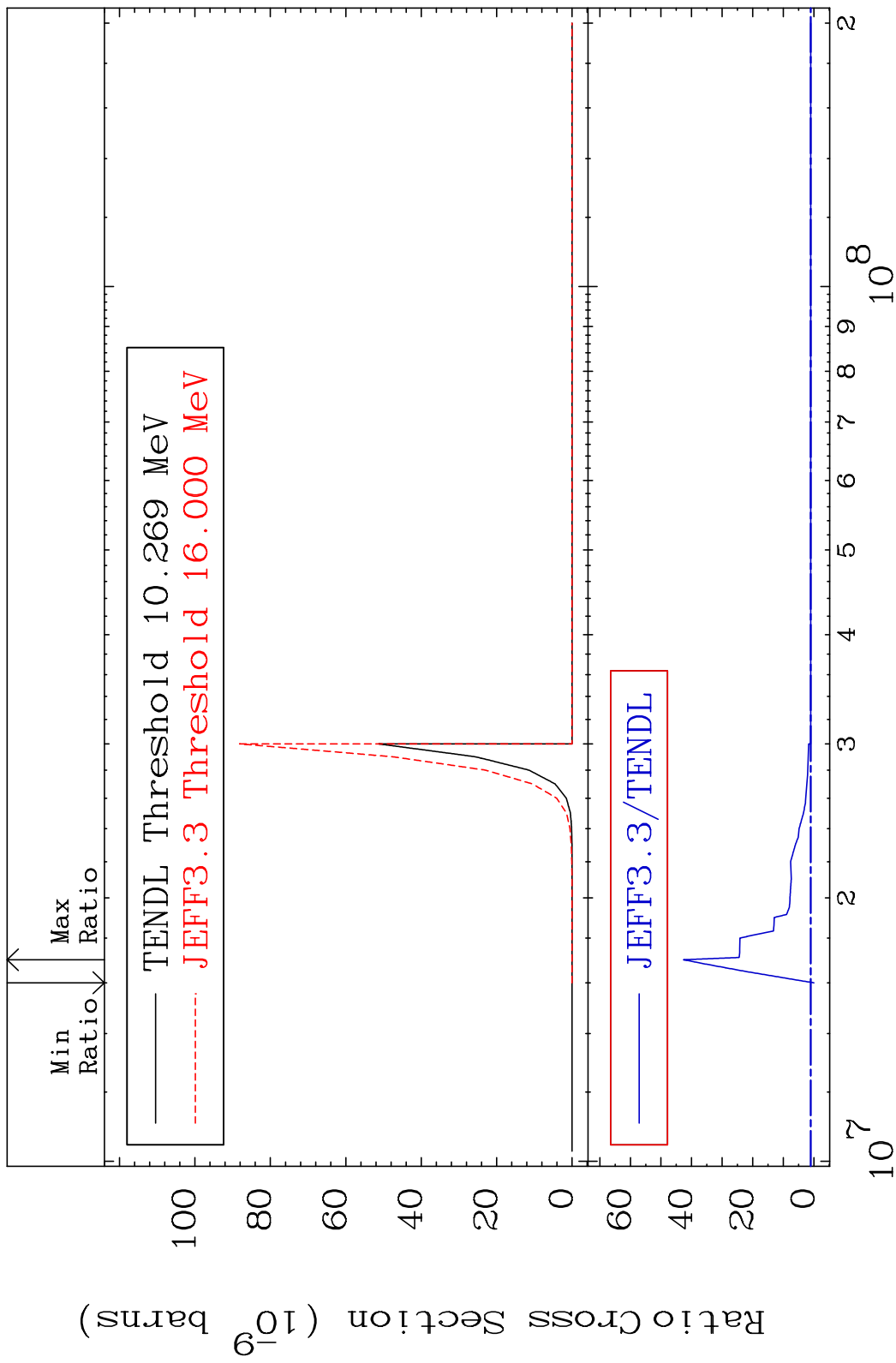
89 44-Ru-100

MAT 4437 (n, d) α :41-Nb-95g 44-Ru-100
 Radionuclide Production Cross Section 96e28Bi d10 4446. %



90 44-Ru-100

MAT 4437 (n, d) α : 41-Nb-95m1 44-Ru-100
 Radionuclide Production Cross Section 180000 dpo 4165. %



91 Incident Energy (eV) 44-Ru-100