

Program Complot
(Version 2021-1)

by

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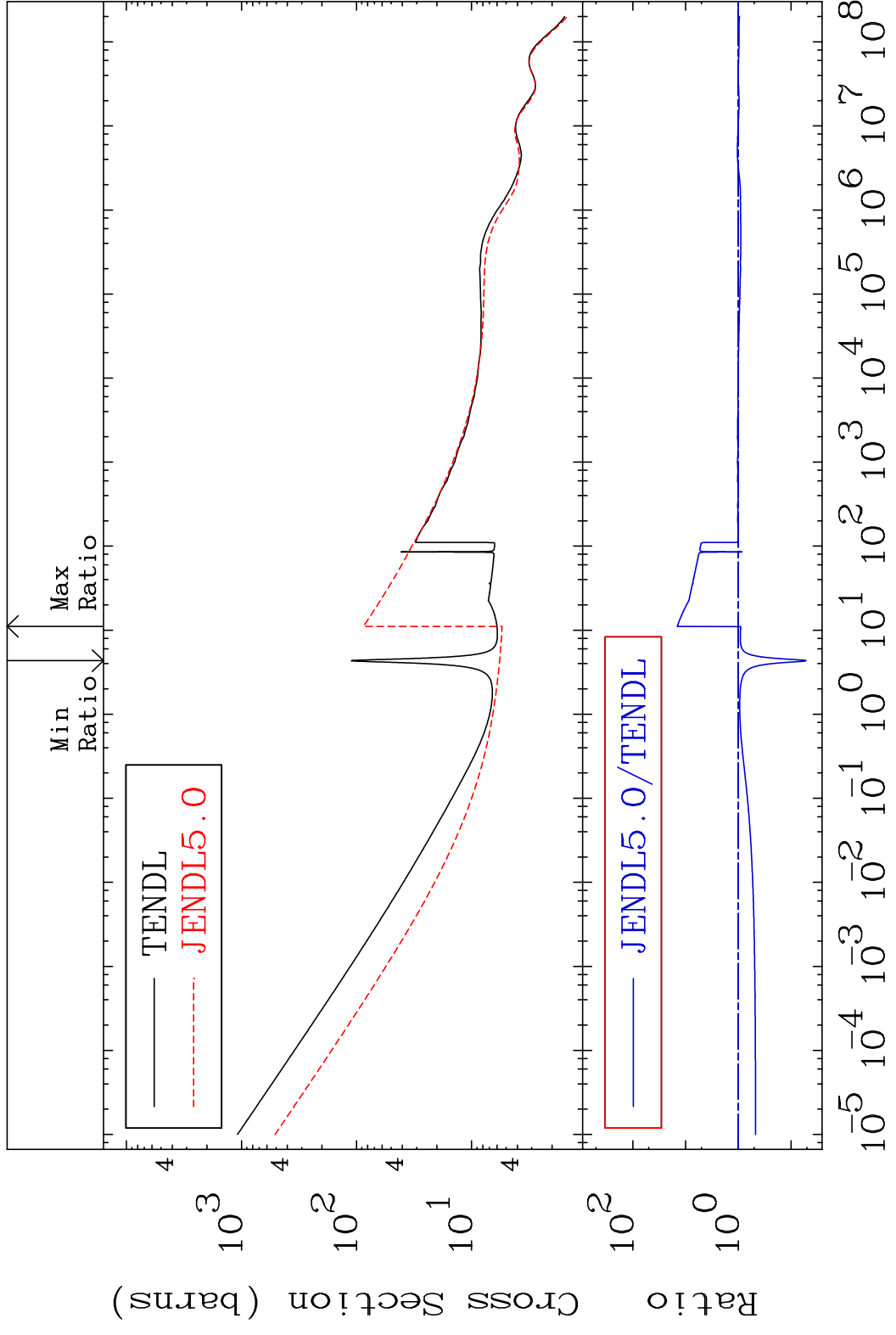
Press Mouse Button to Start

MAT 3922

39-Y -88

Total

Cross Section -94.88 To 1346. %



1

Incident Energy (eV)

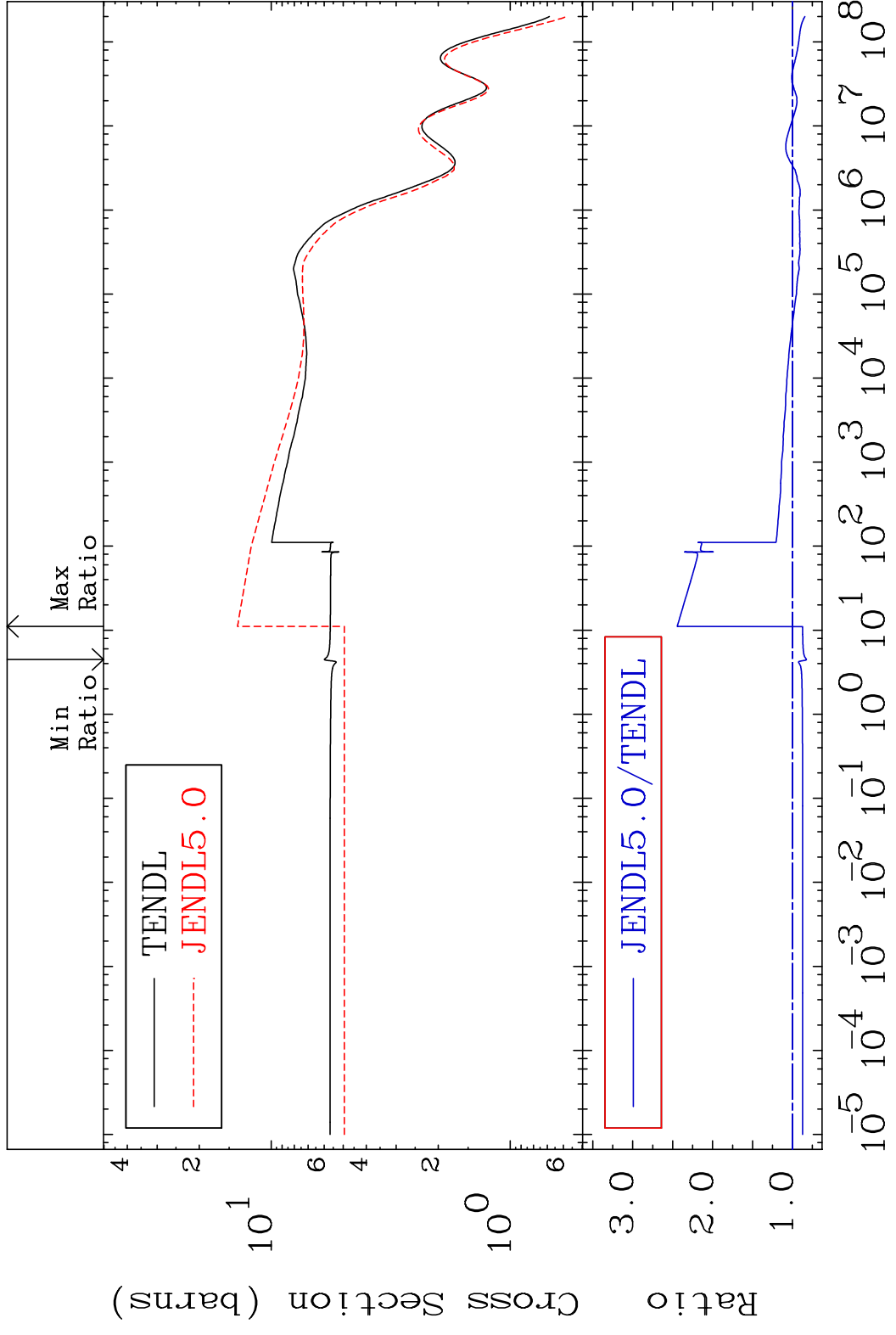
39-Y -88

MAT 3922

Elastic

39-Y -88

Cross Section -17.45 To 144.3 %

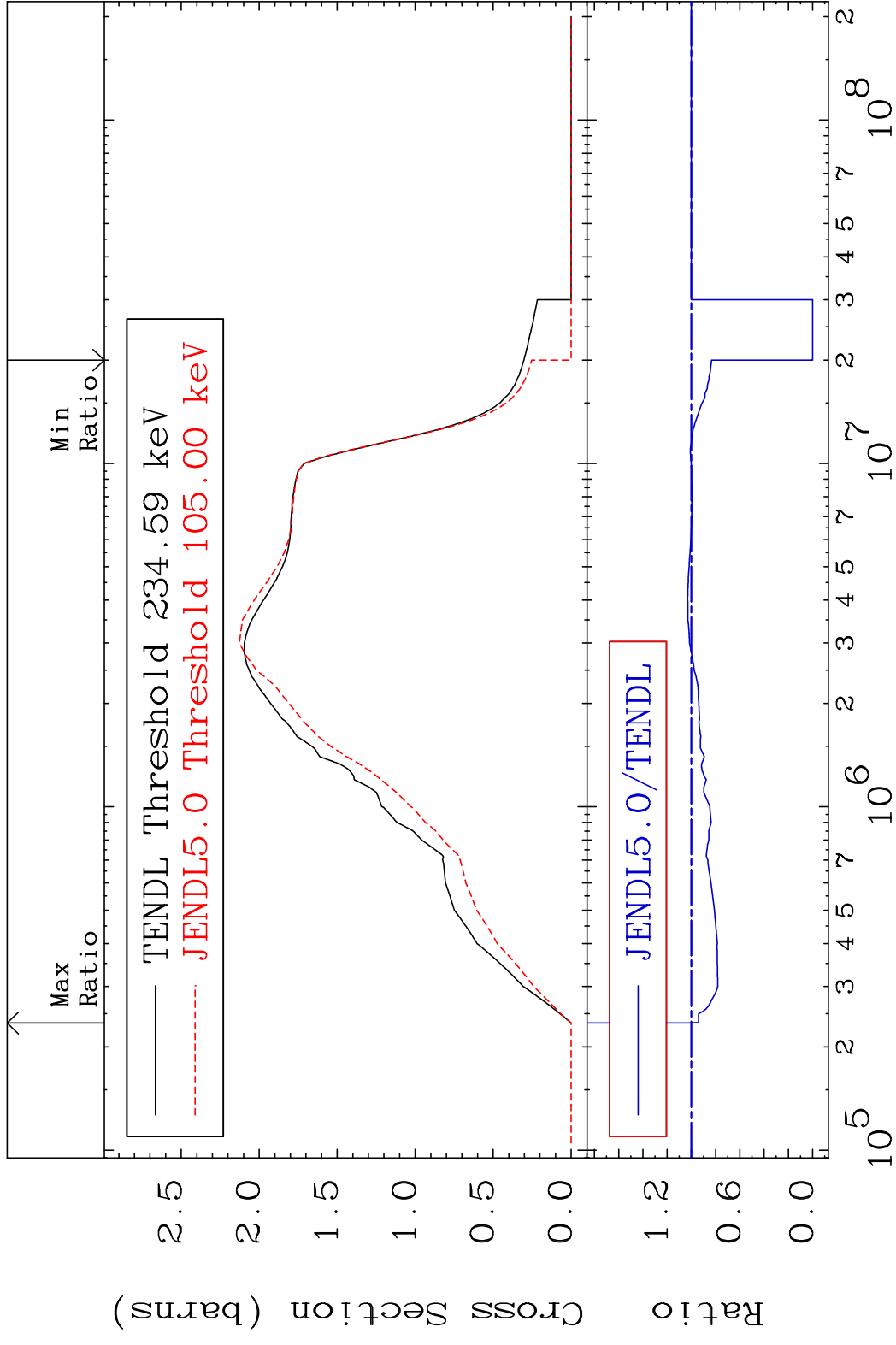


2

Incident Energy (eV)

39-Y -88

MAT 3922 Inelastic 39-Y -88
 Cross Section -100.0 To 7.447 %



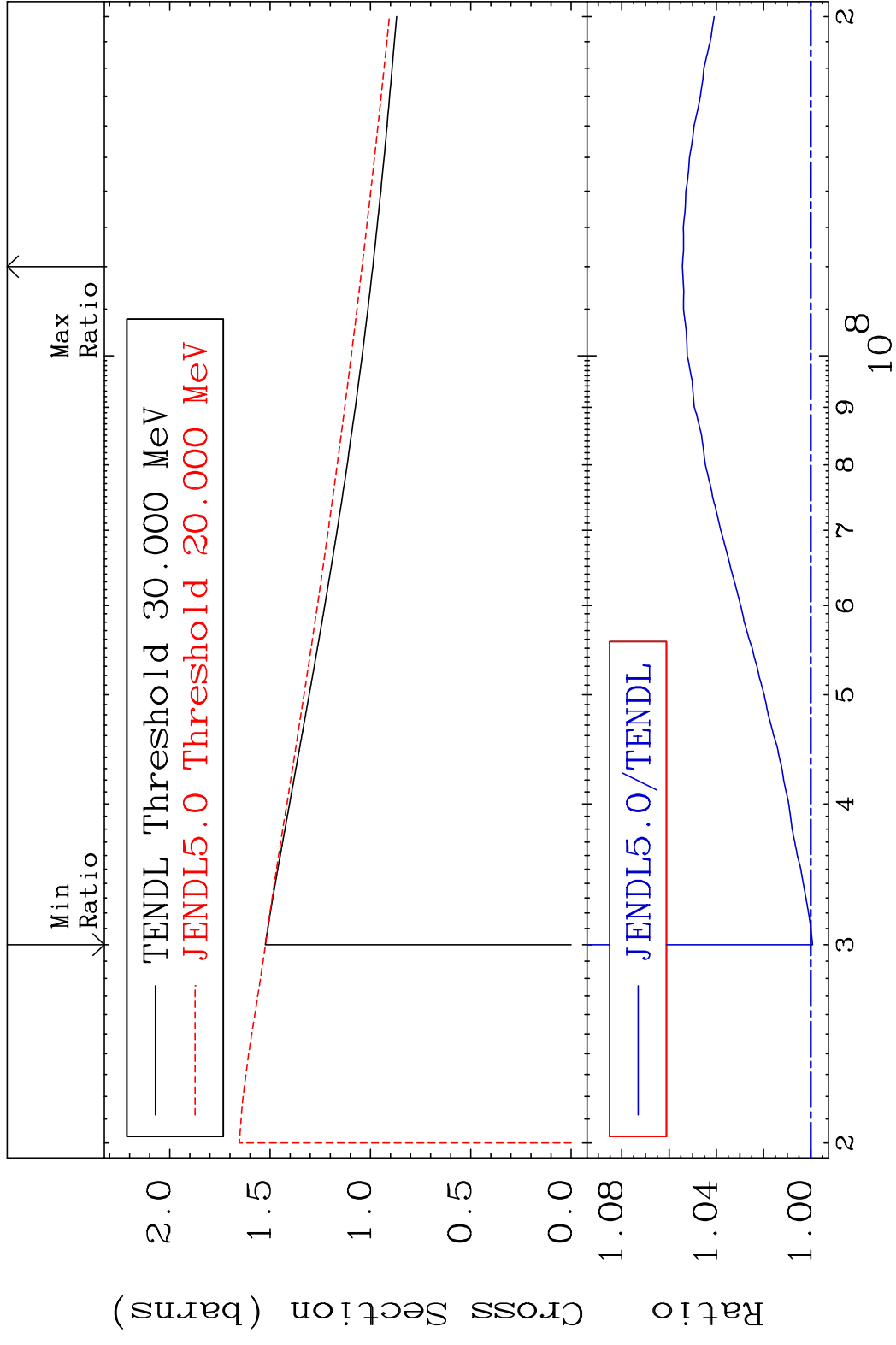
3 Incident Energy (eV) 39-Y -88

MAT 3922

(n, remainder)

39-Y -88

Cross Section -0.074 To 5.437 %

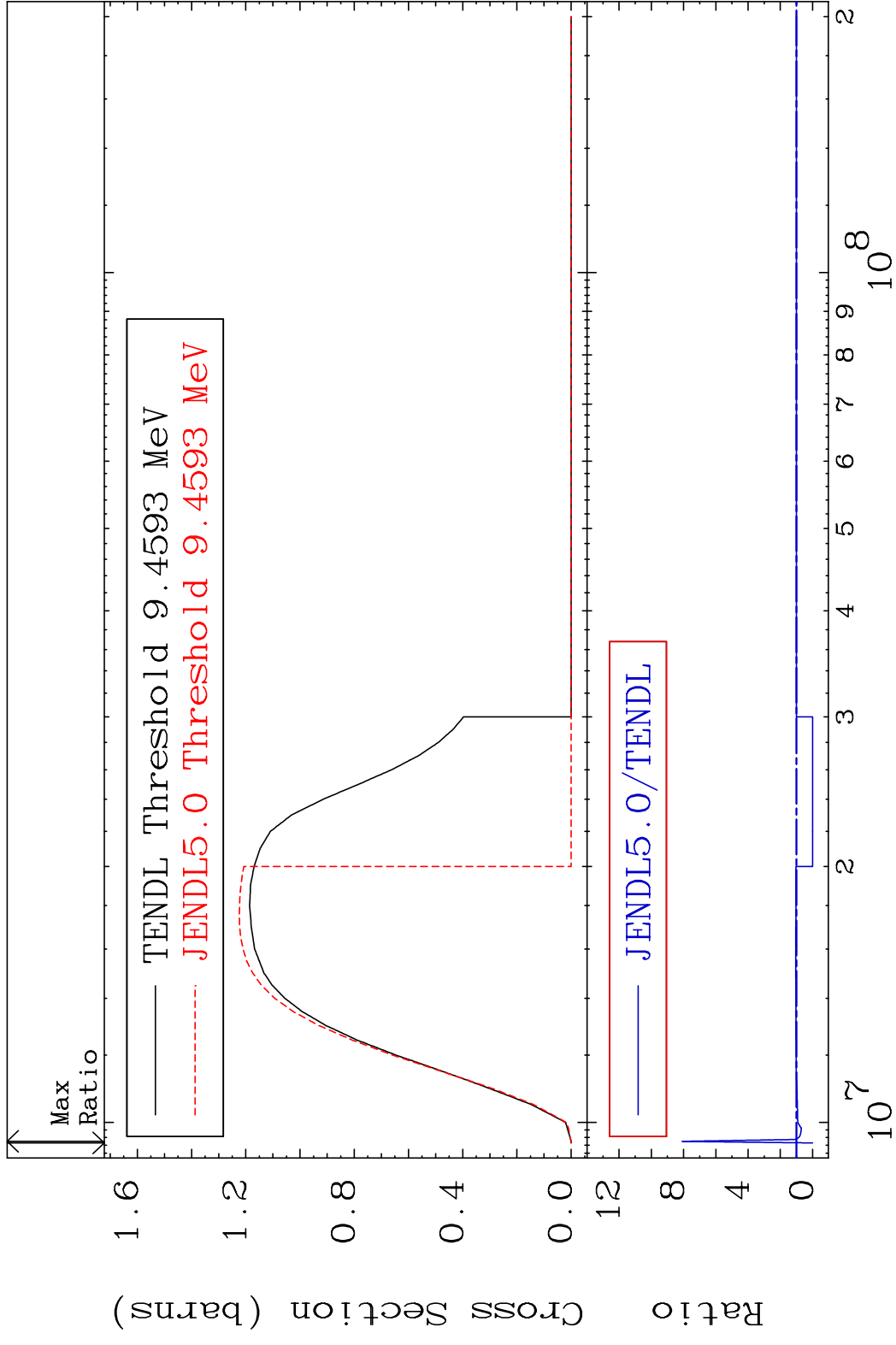


4

Incident Energy (eV)

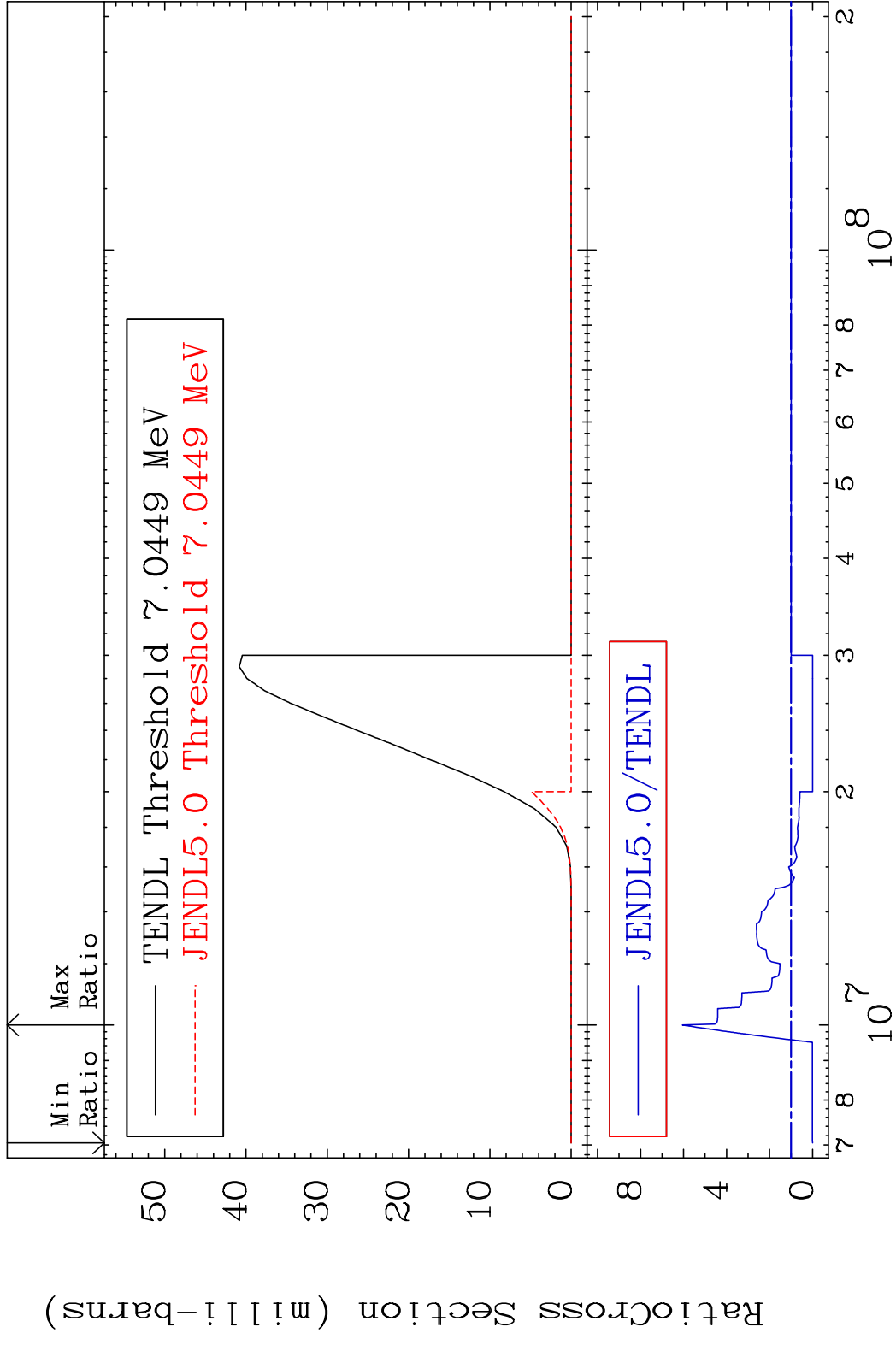
39-Y -88

MAT 3922 (n,2n) 39-Y -88
 Cross Section -100.0 To 707.5 %



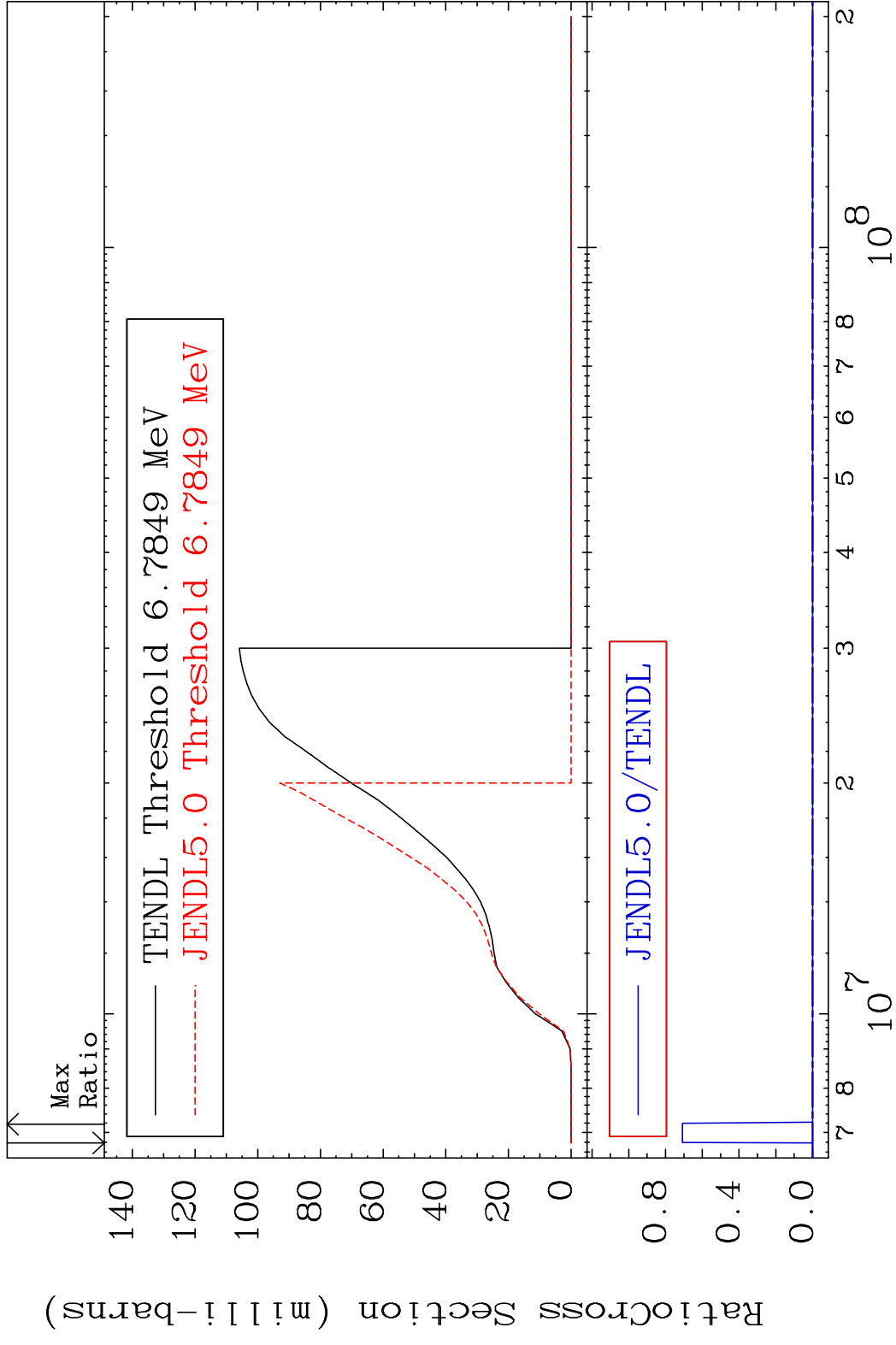
5 Incident Energy (eV) 39-Y -88

MAT 3922 (n, n') α 39-Y -88
 Cross Section -100.0 To 505.6 %



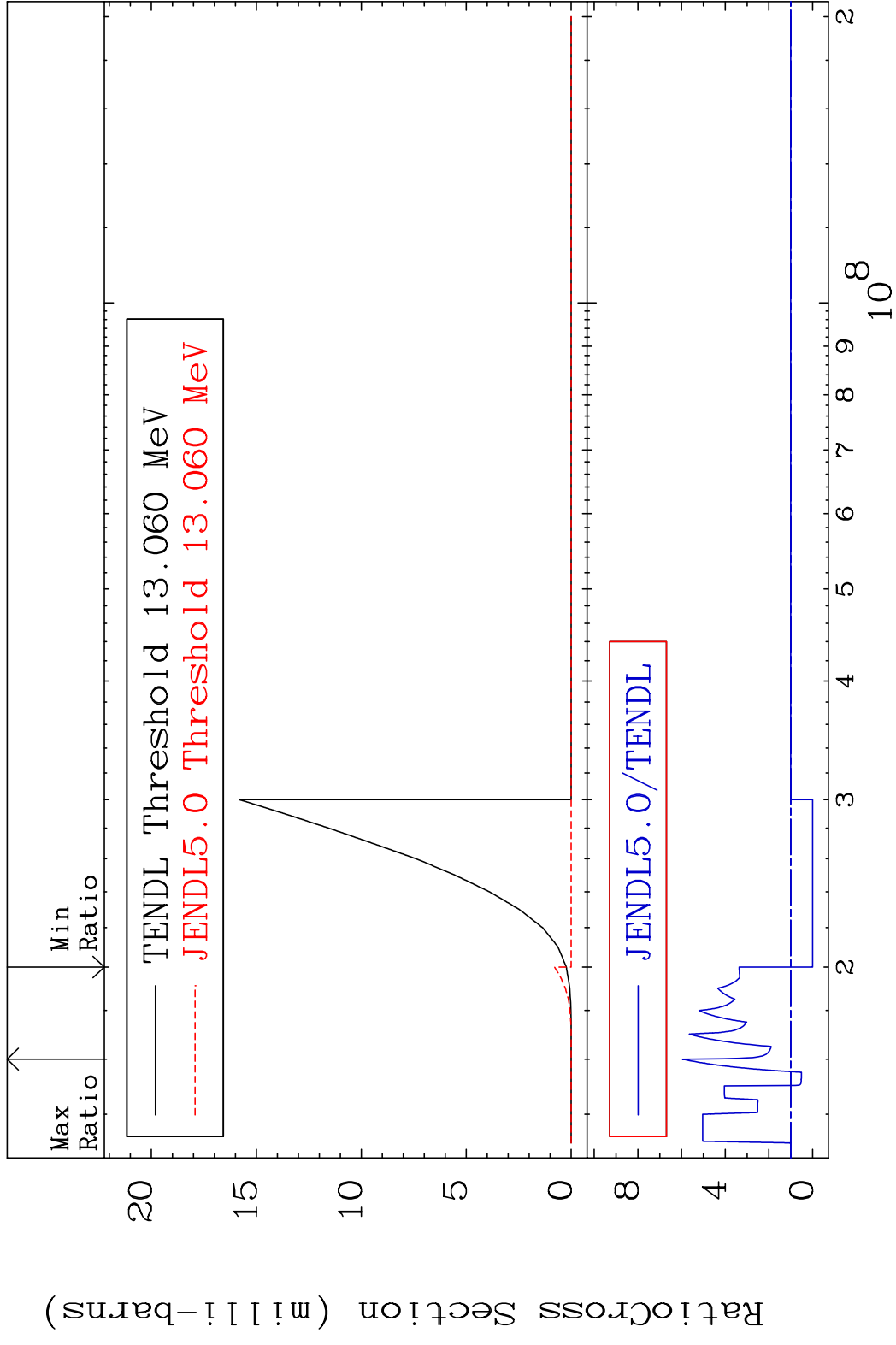
6 Incident Energy (eV) 39-Y -88

MAT 3922 (n, n') p 39-Y -88
 Cross Section -100.0 To 9999. %

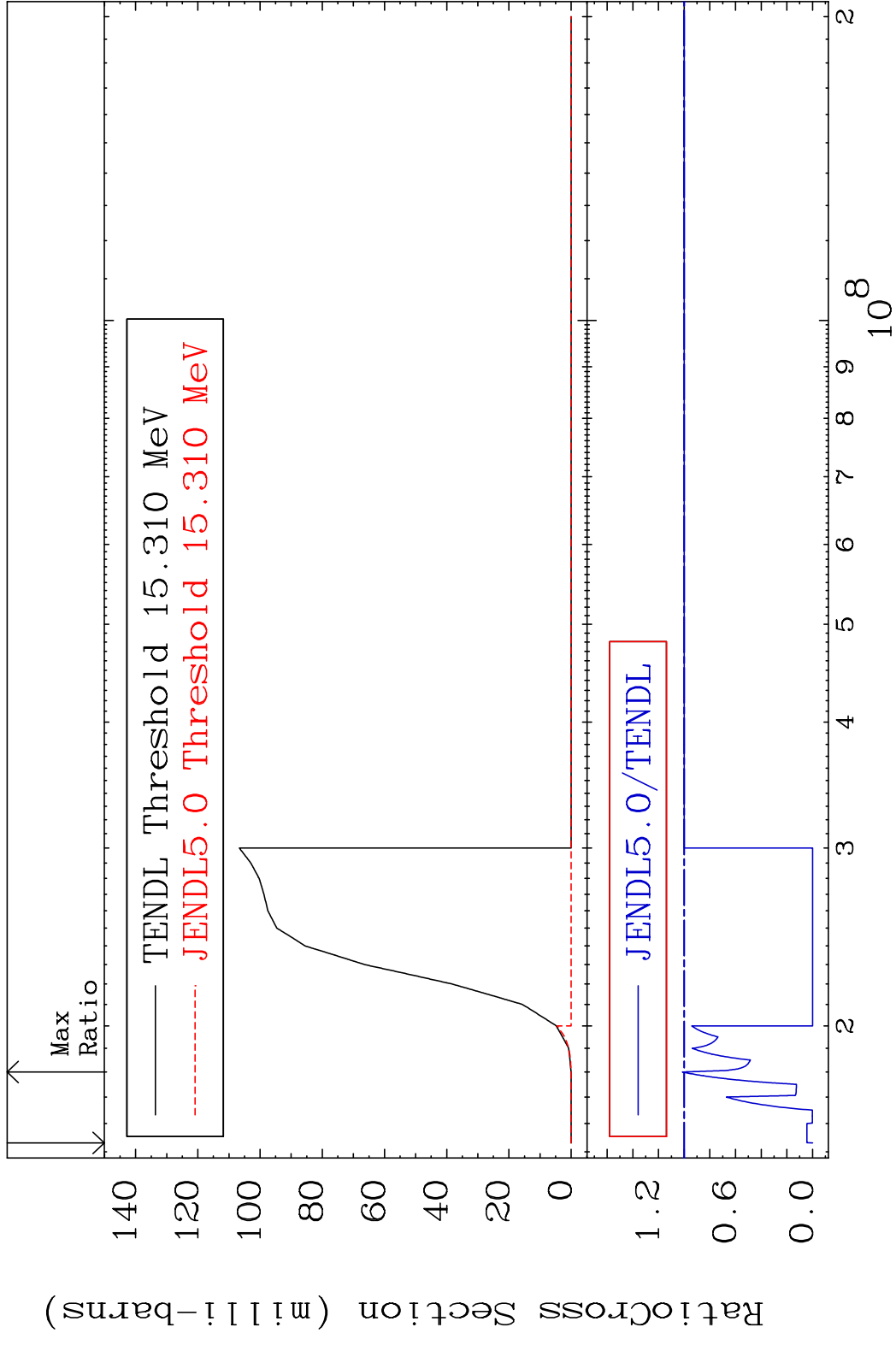


7 Incident Energy (eV) 39-Y -88

MAT 3922 (n, n') d 39-Y -88
 Cross Section -100.0 To 496.3 %

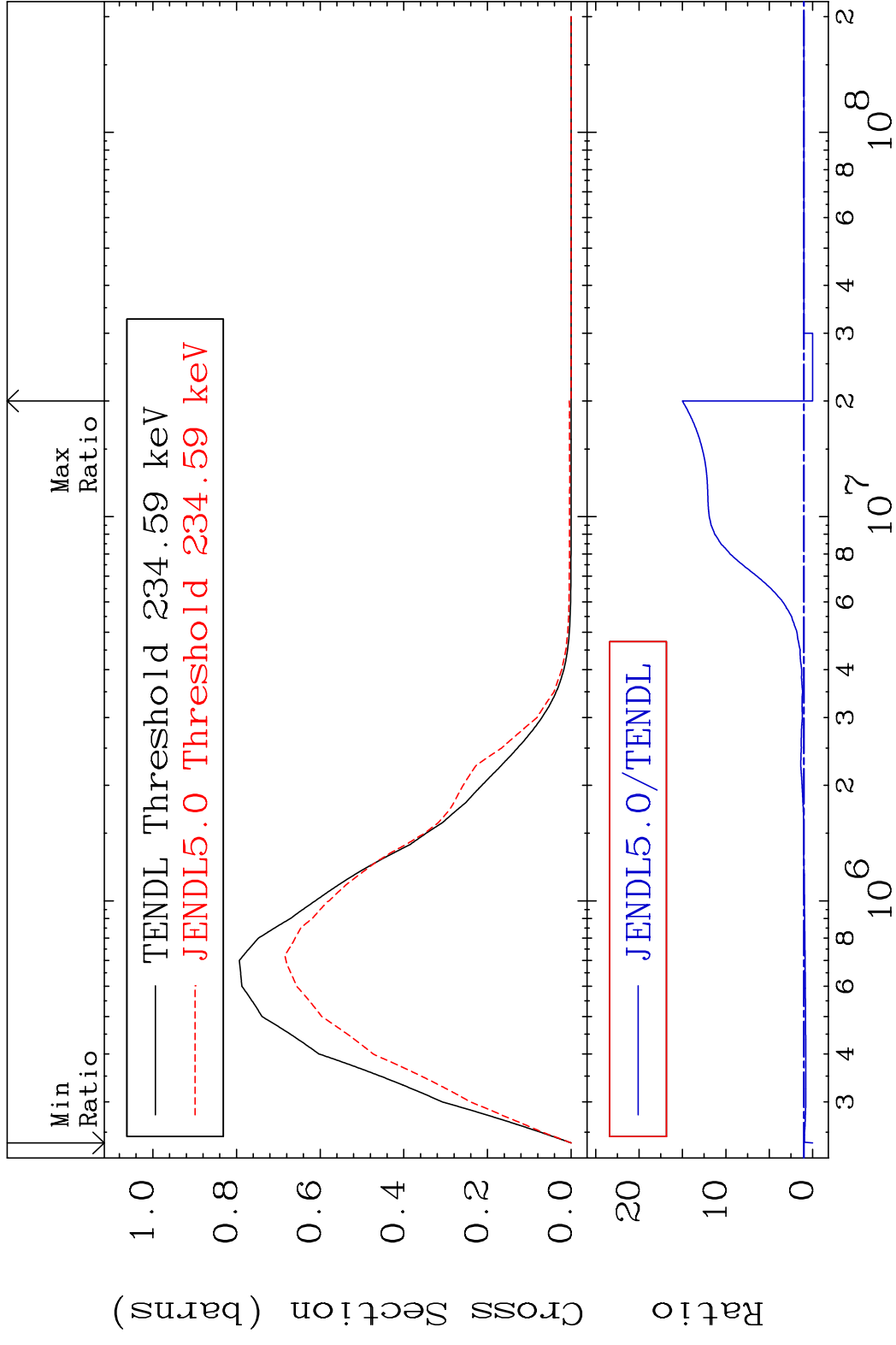


MAT 3922 (n,2n) p 39-Y -88
 Cross Section -100.0 To 1.415 %



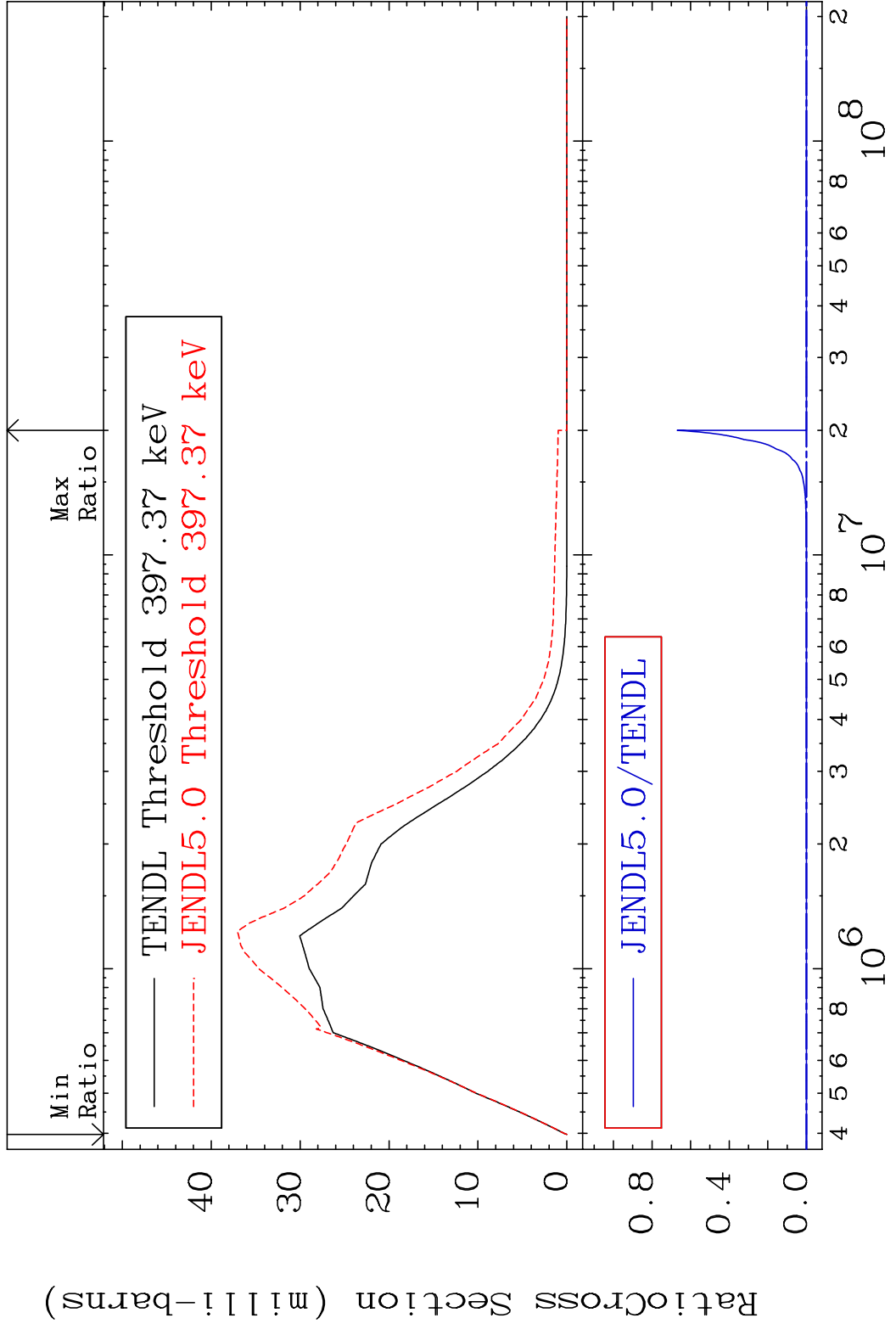
9 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 51 (n, n') Level 39-Y -88
 Cross Section -100.0 To 1402. %

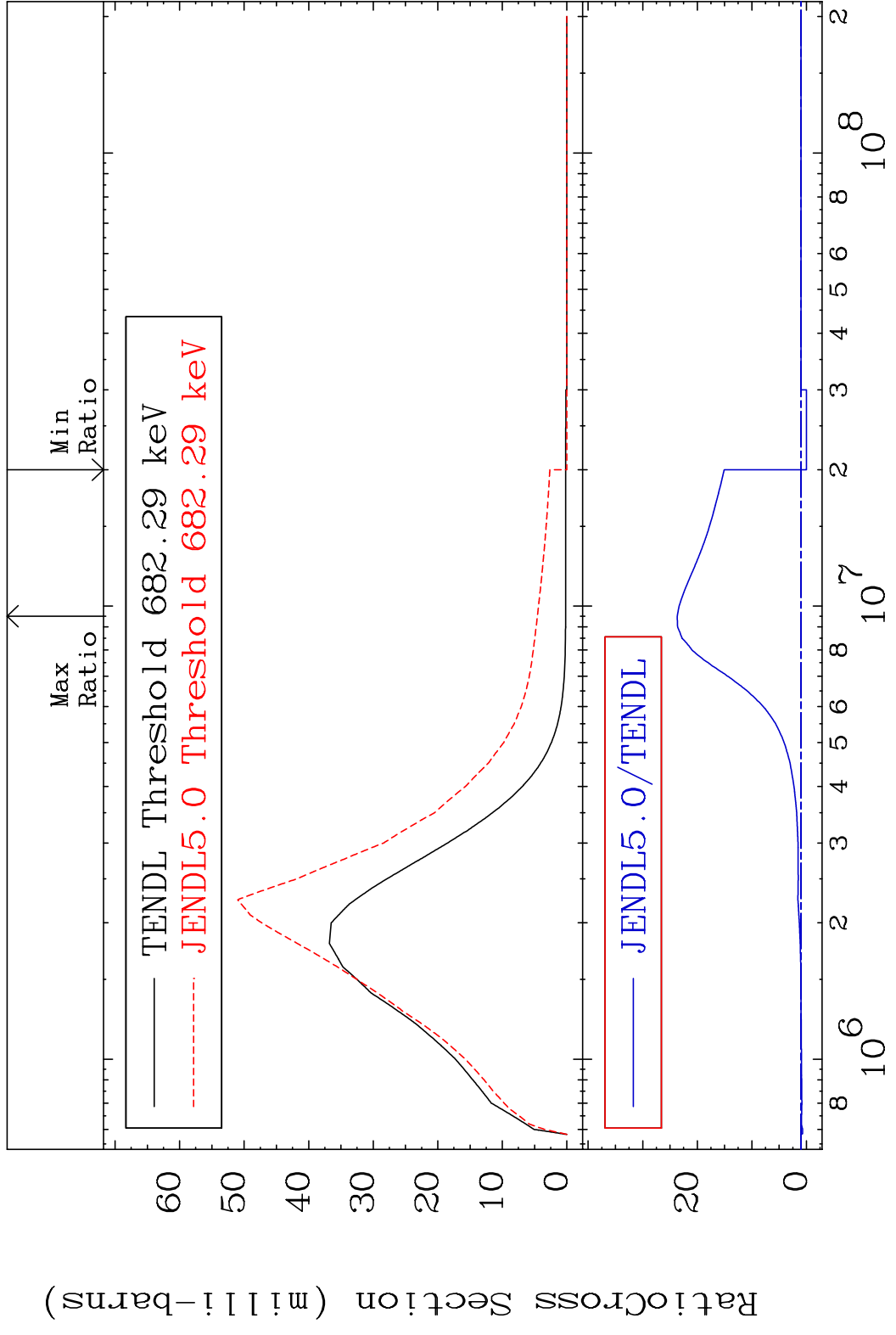


10 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 52 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %

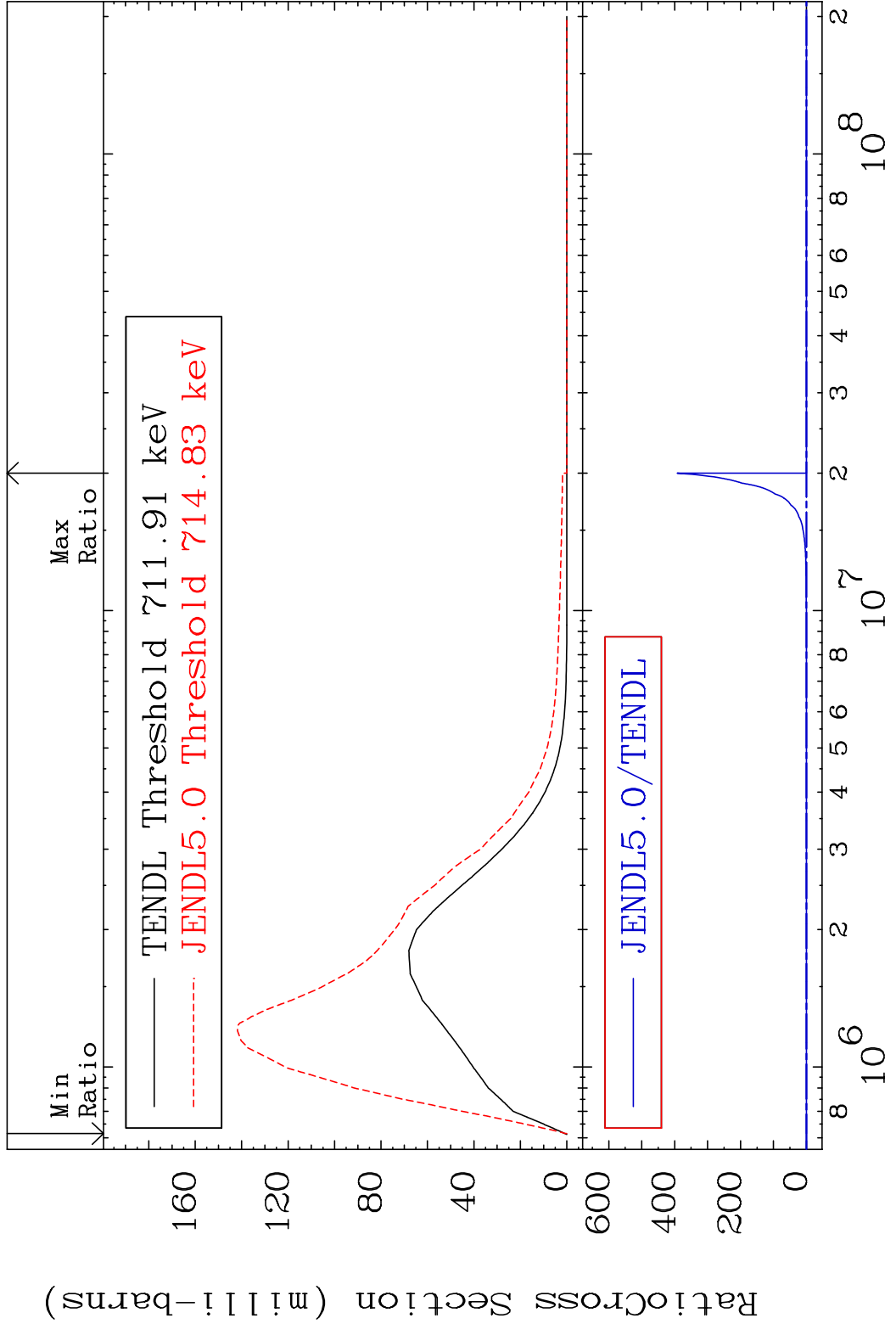


MAT 3922 MT= 53 (n, n') Level 39-Y -88
 Cross Section -100.0 To 2268. %

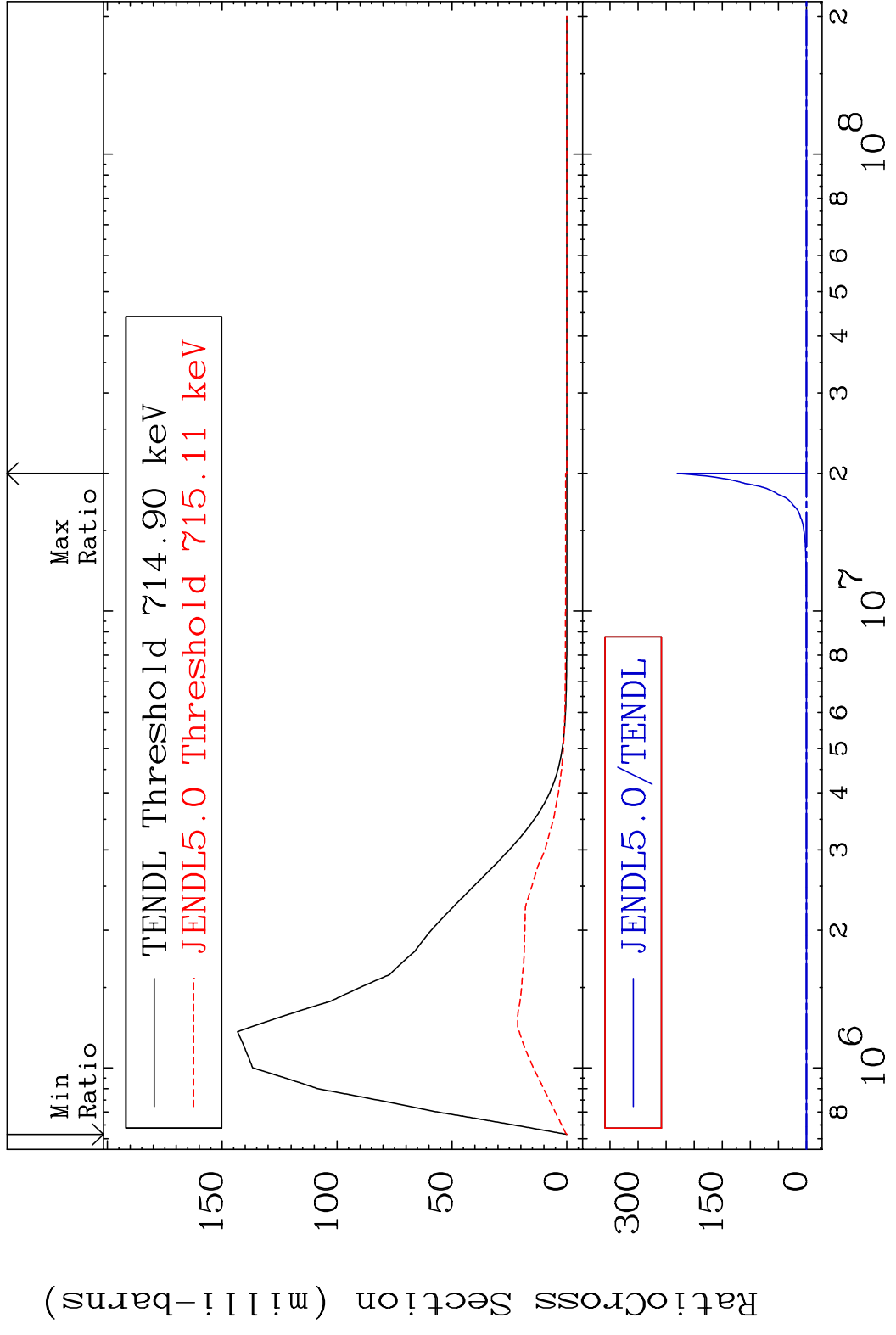


12 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 54 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %

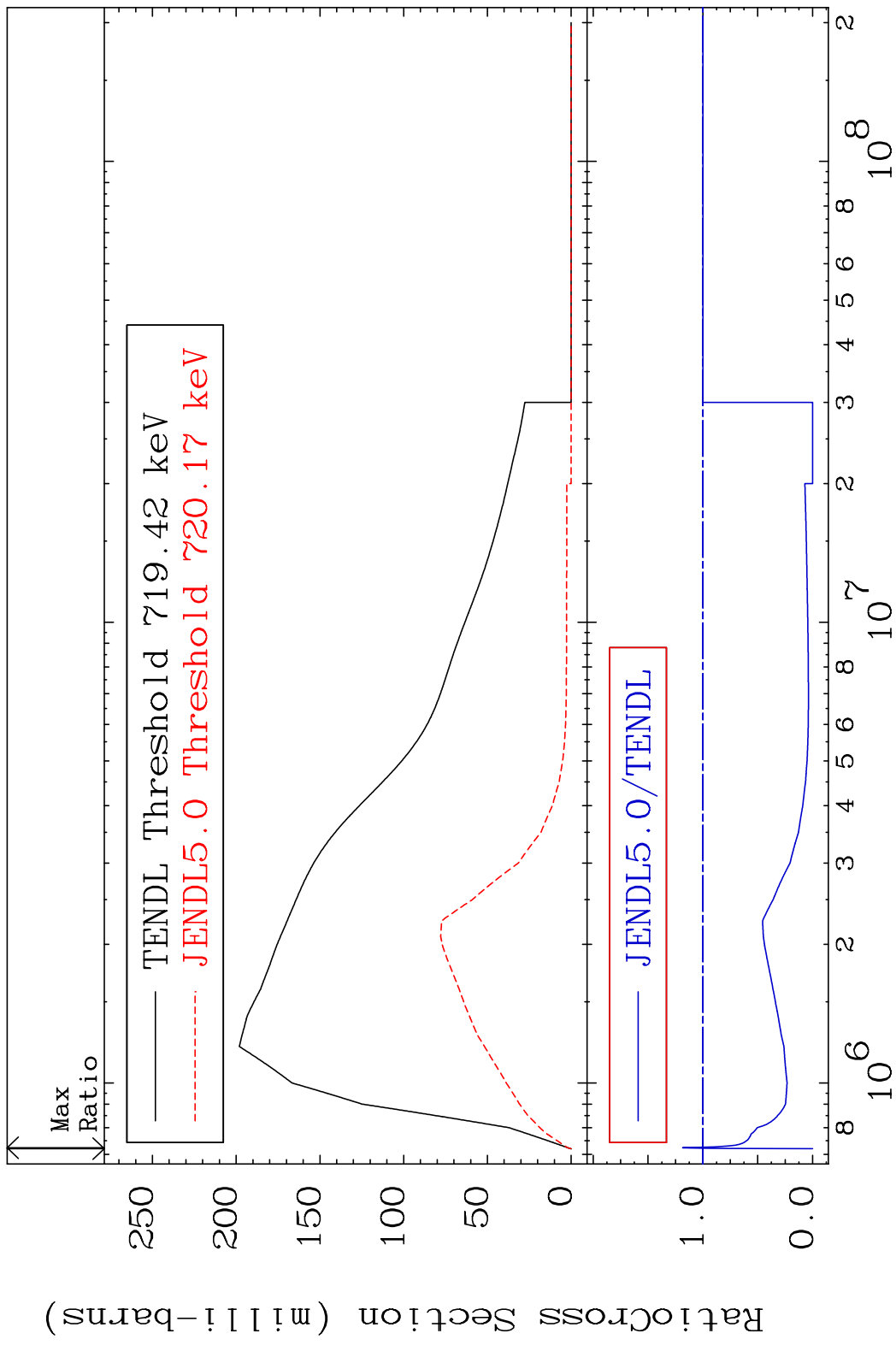


MAT 3922 MT= 55 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



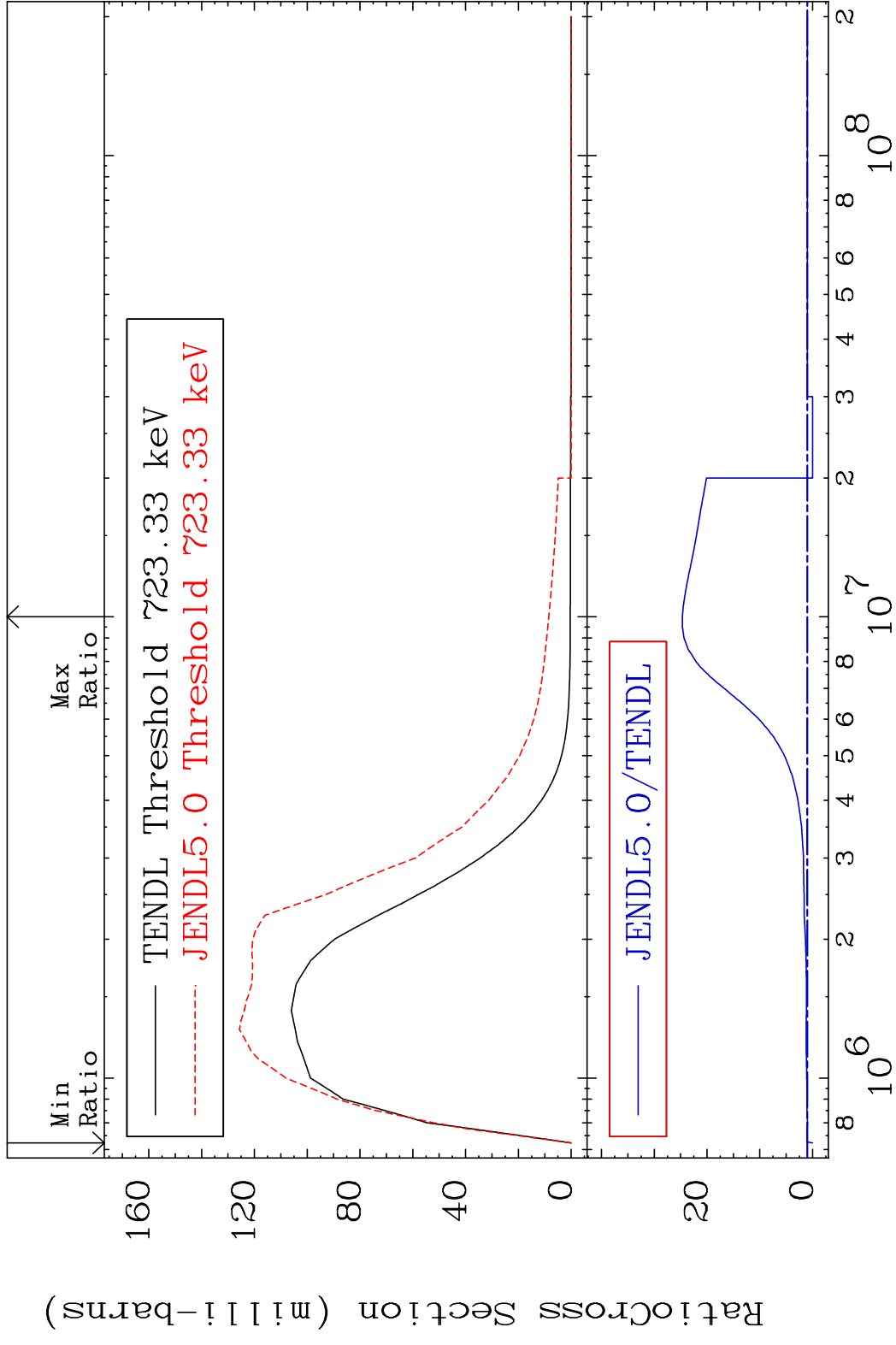
14 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 56 (n,n') Level 39-Y -88
 Cross Section -100.0 To 18.73 %



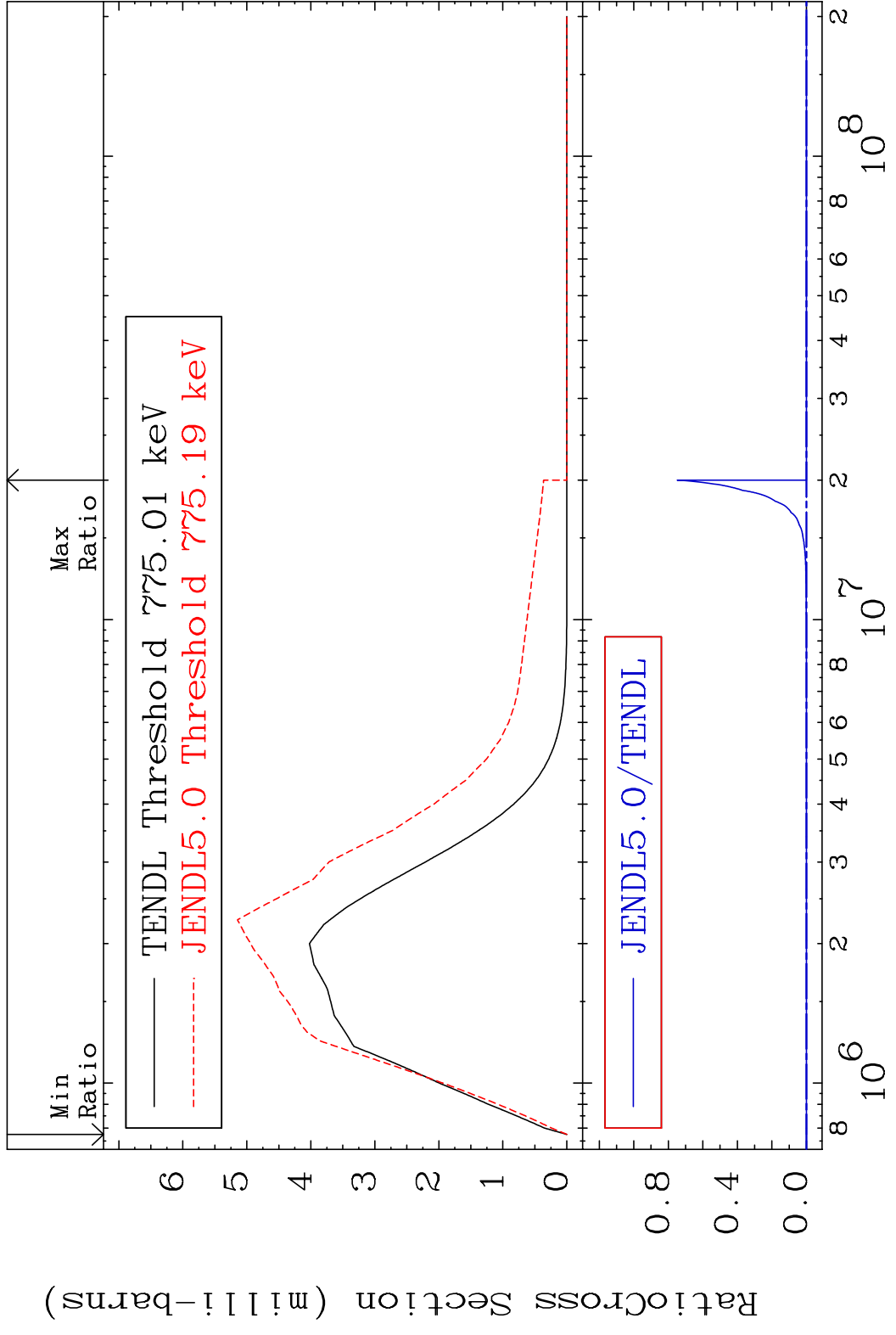
15 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 57 (n, n') Level 39-Y -88
 Cross Section -100.0 To 2368. %

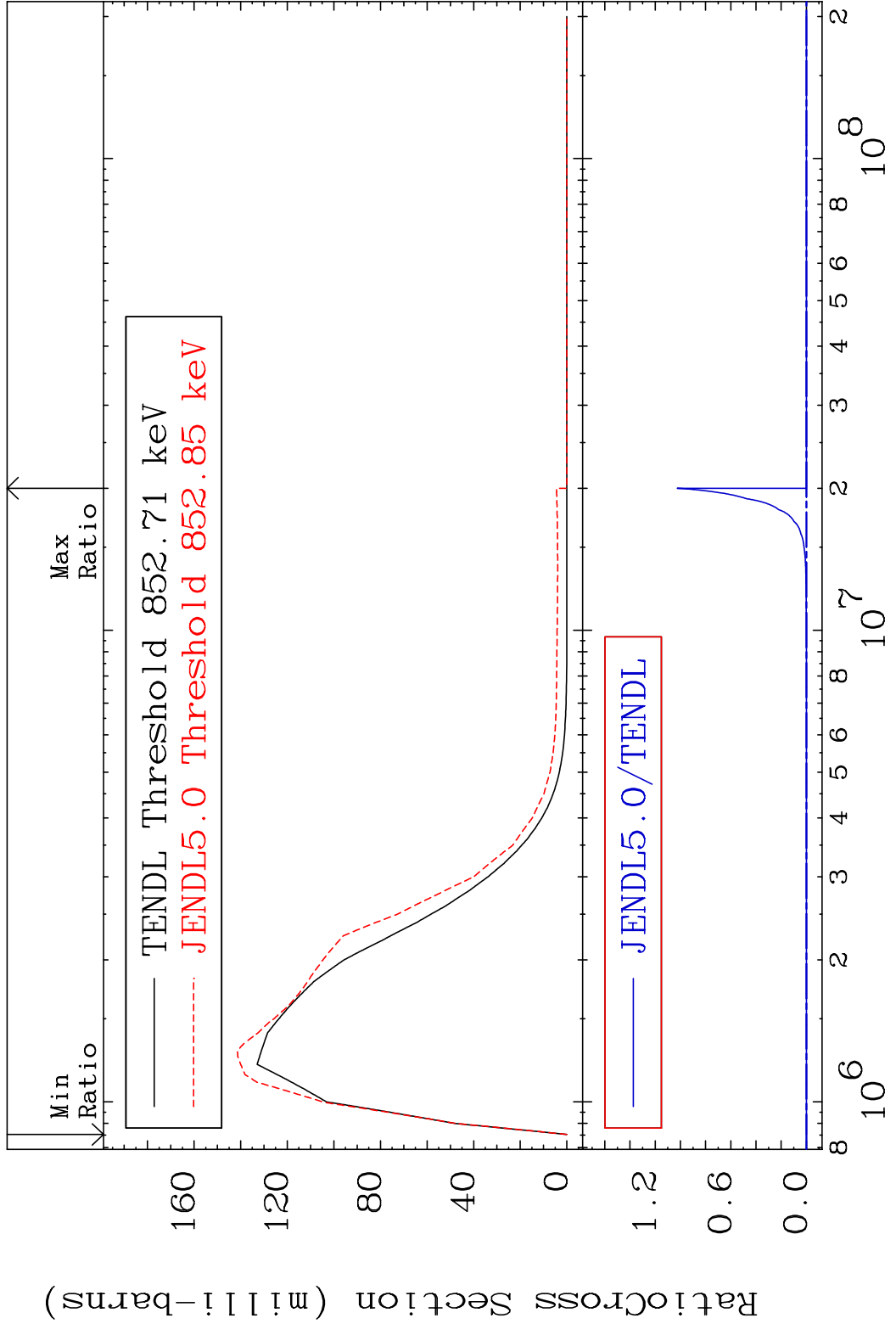


16 39-Y -88

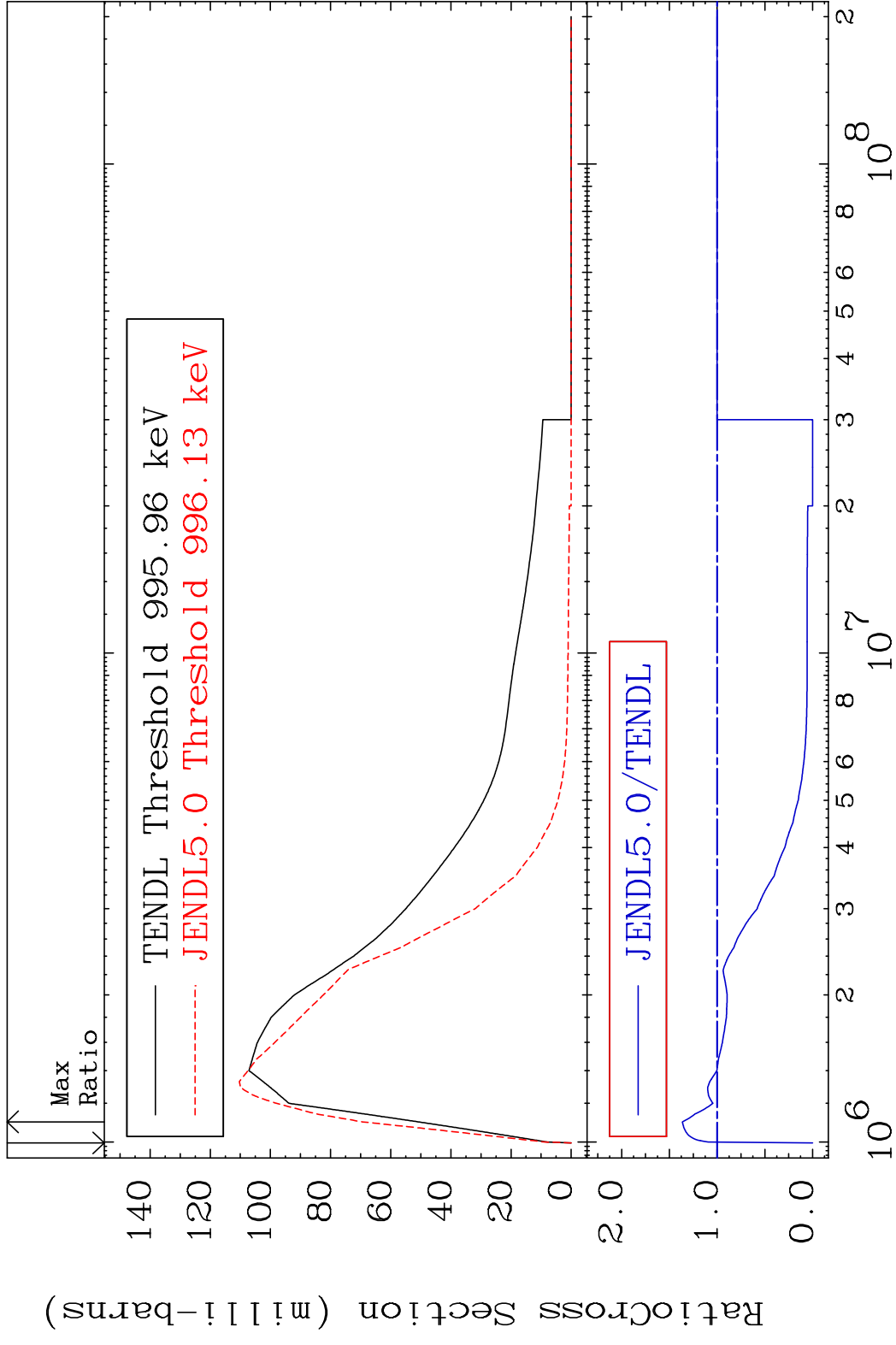
MAT 3922 MT= 58 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



MAT 3922 MT= 59 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %

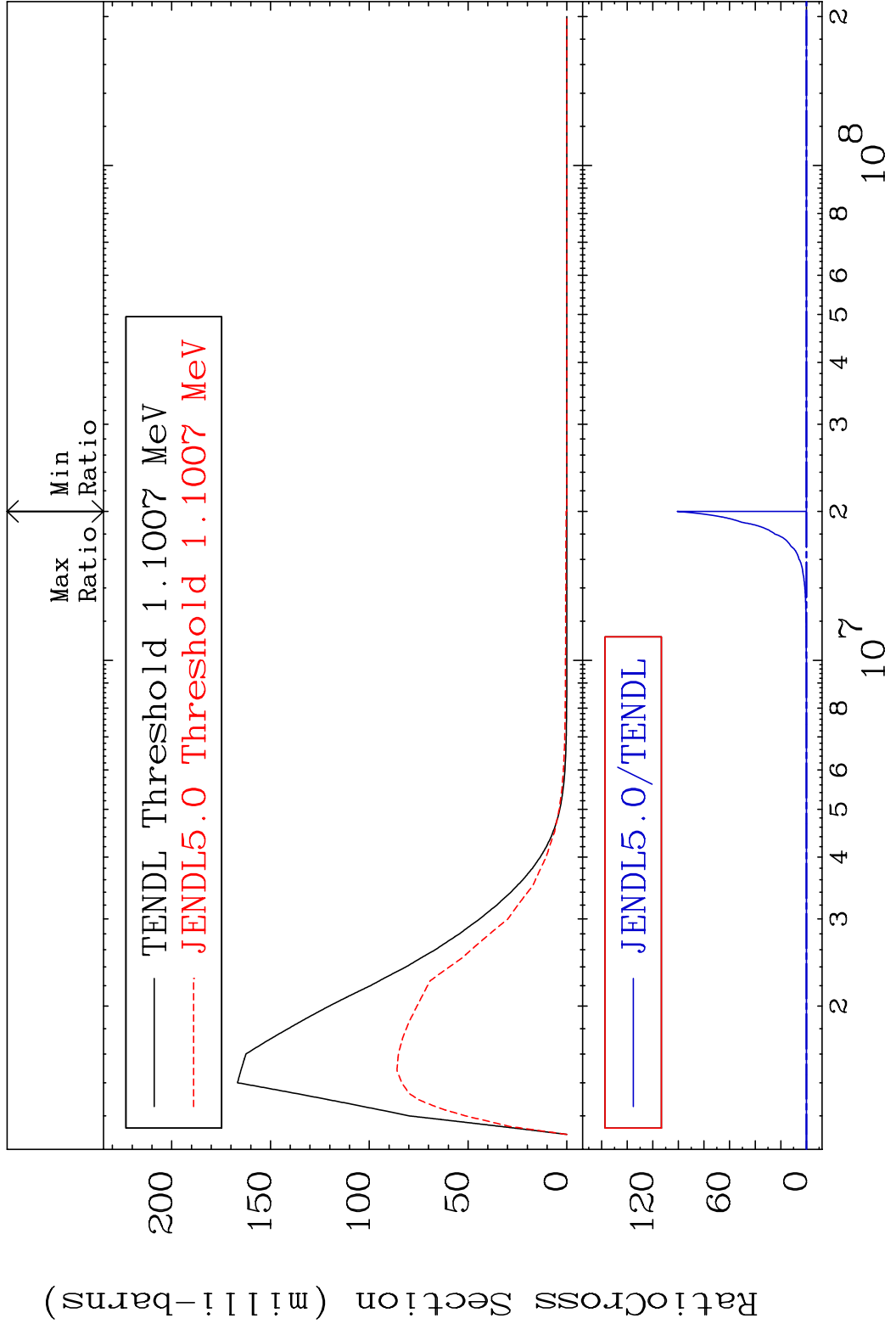


MAT 3922 MT= 60 (n,n') Level 39-Y -88
 Cross Section -100.0 To 36.41 %

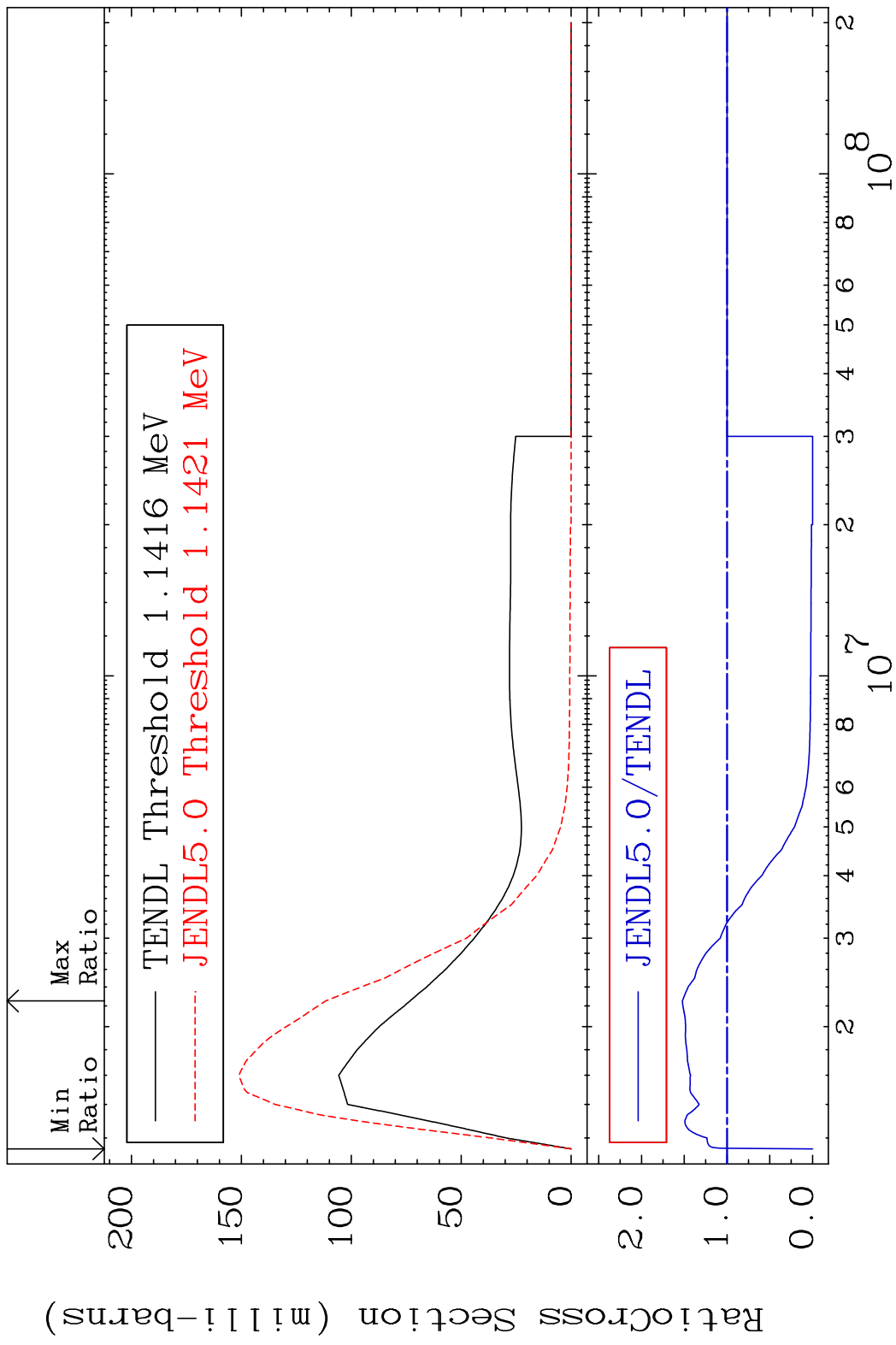


19 39-Y -88

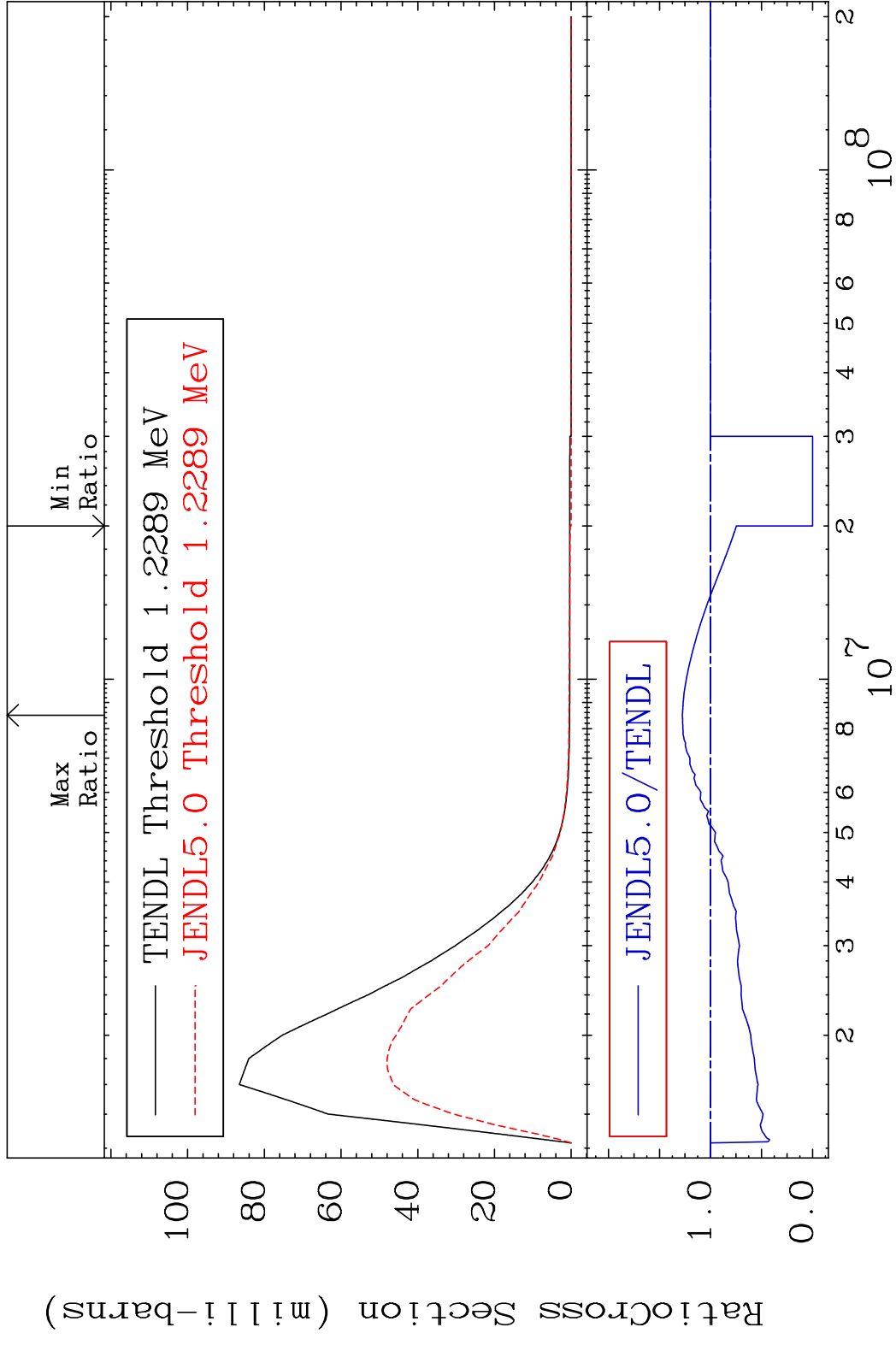
MAT 3922 MT= 61 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



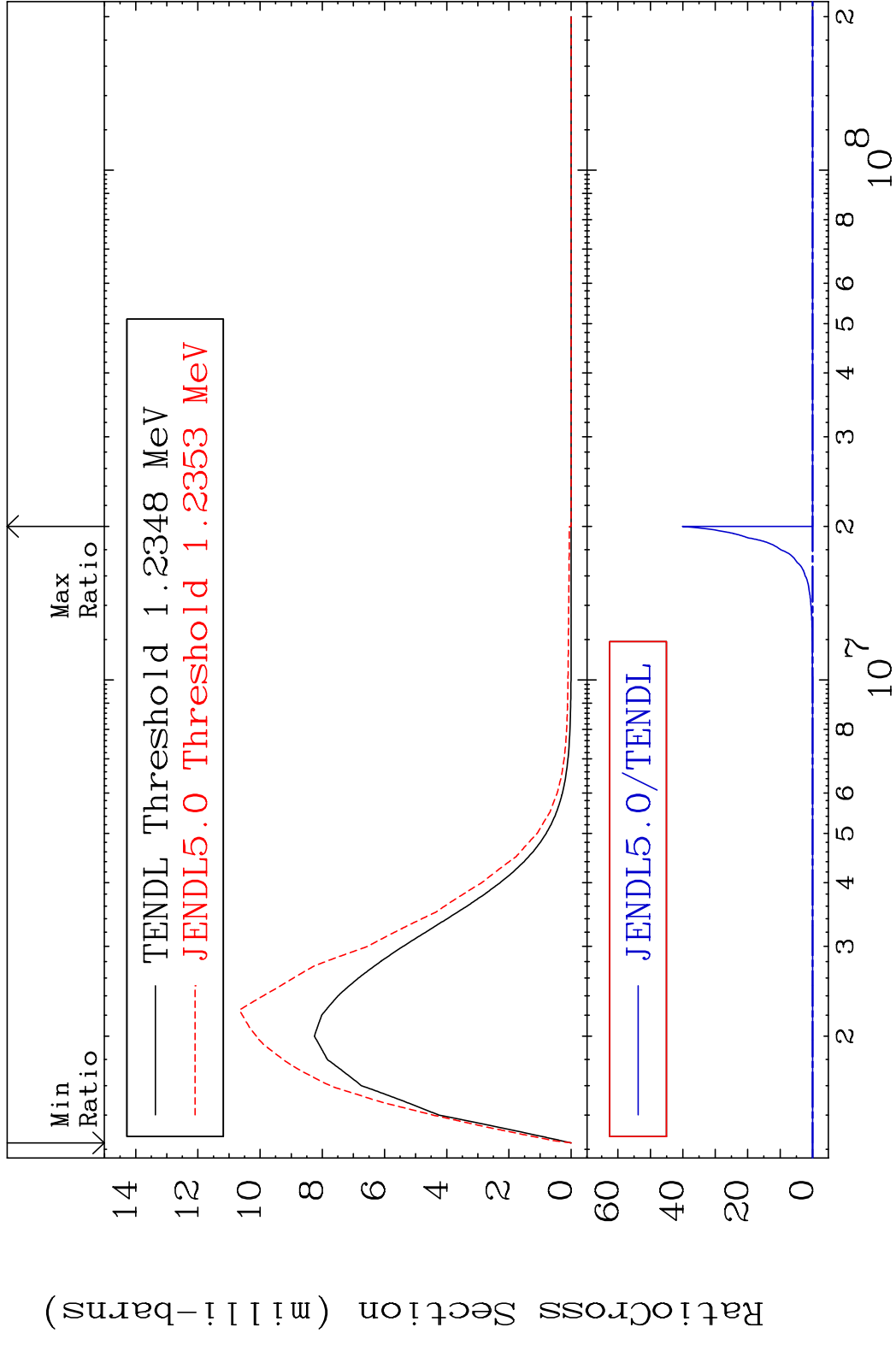
MAT 3922 MT= 62 (n, n') Level 39-Y -88
 Cross Section -100.0 To 52.25 %



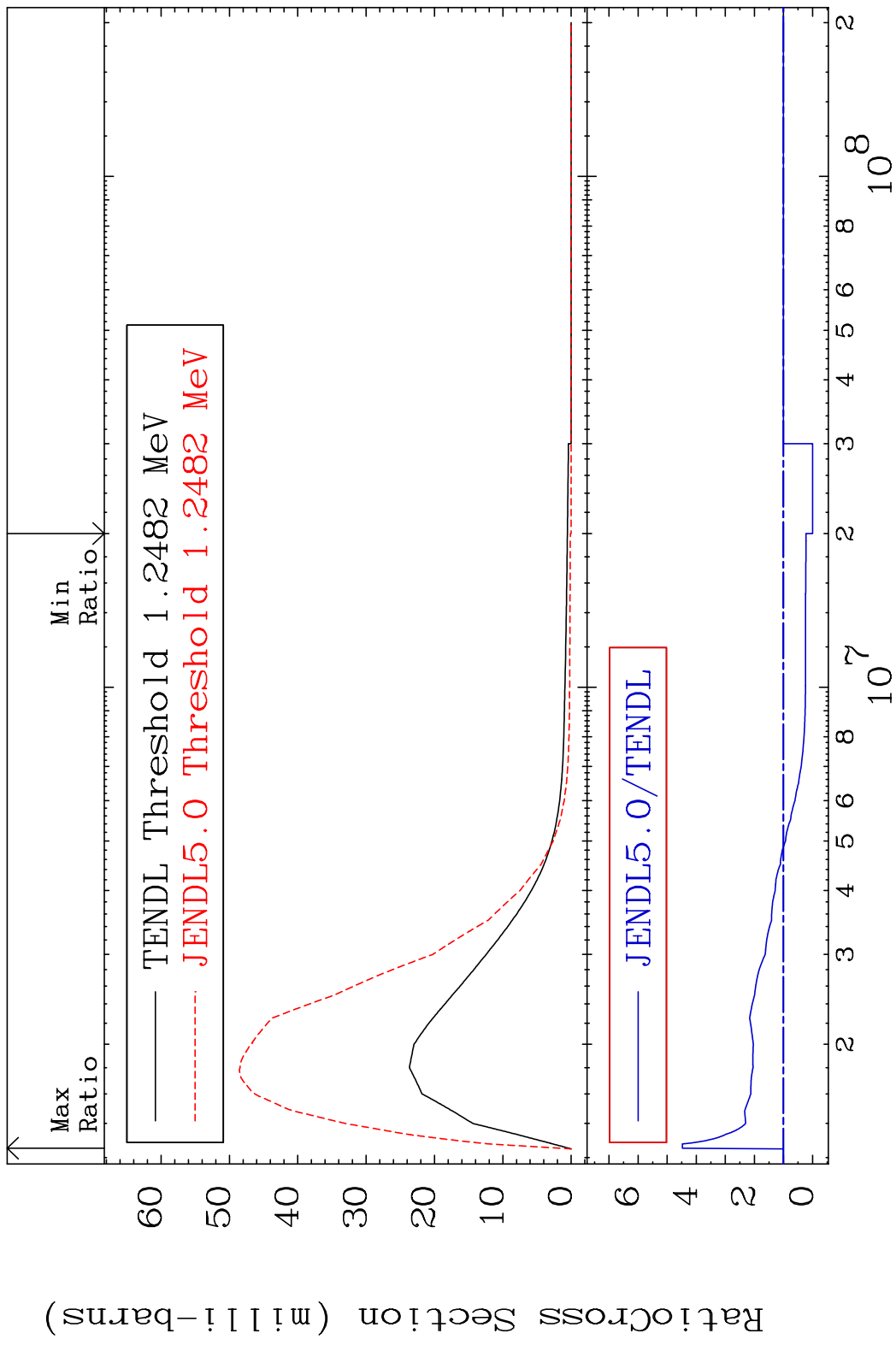
MAT 3922 MT= 63 (n, n') Level 39-Y -88
 Cross Section -100.0 To 27.59 %



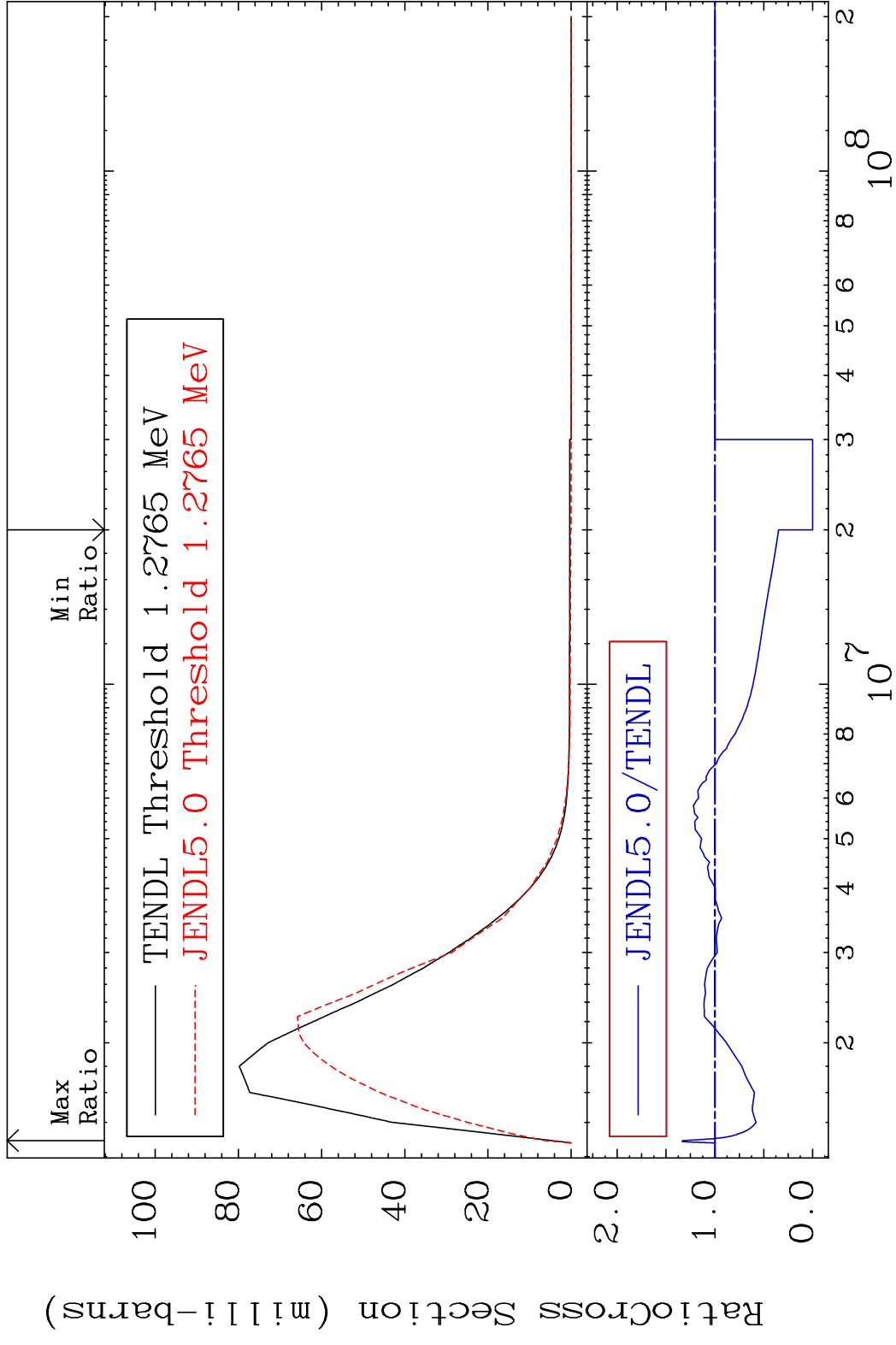
MAT 3922 MT= 64 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



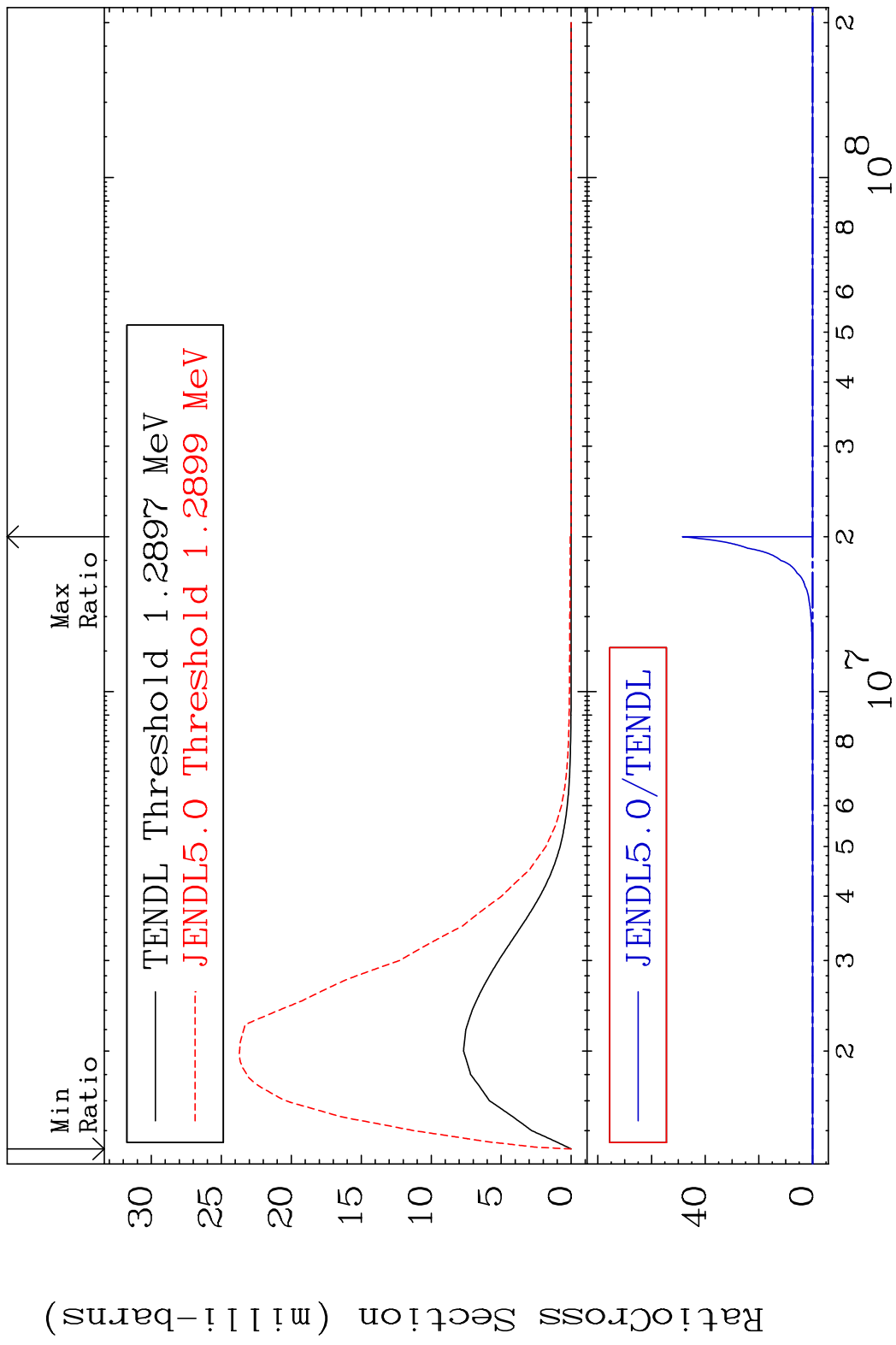
MAT 3922 MT= 65 (n, n') Level 39-Y -88
 Cross Section -100.0 To 347.8 %



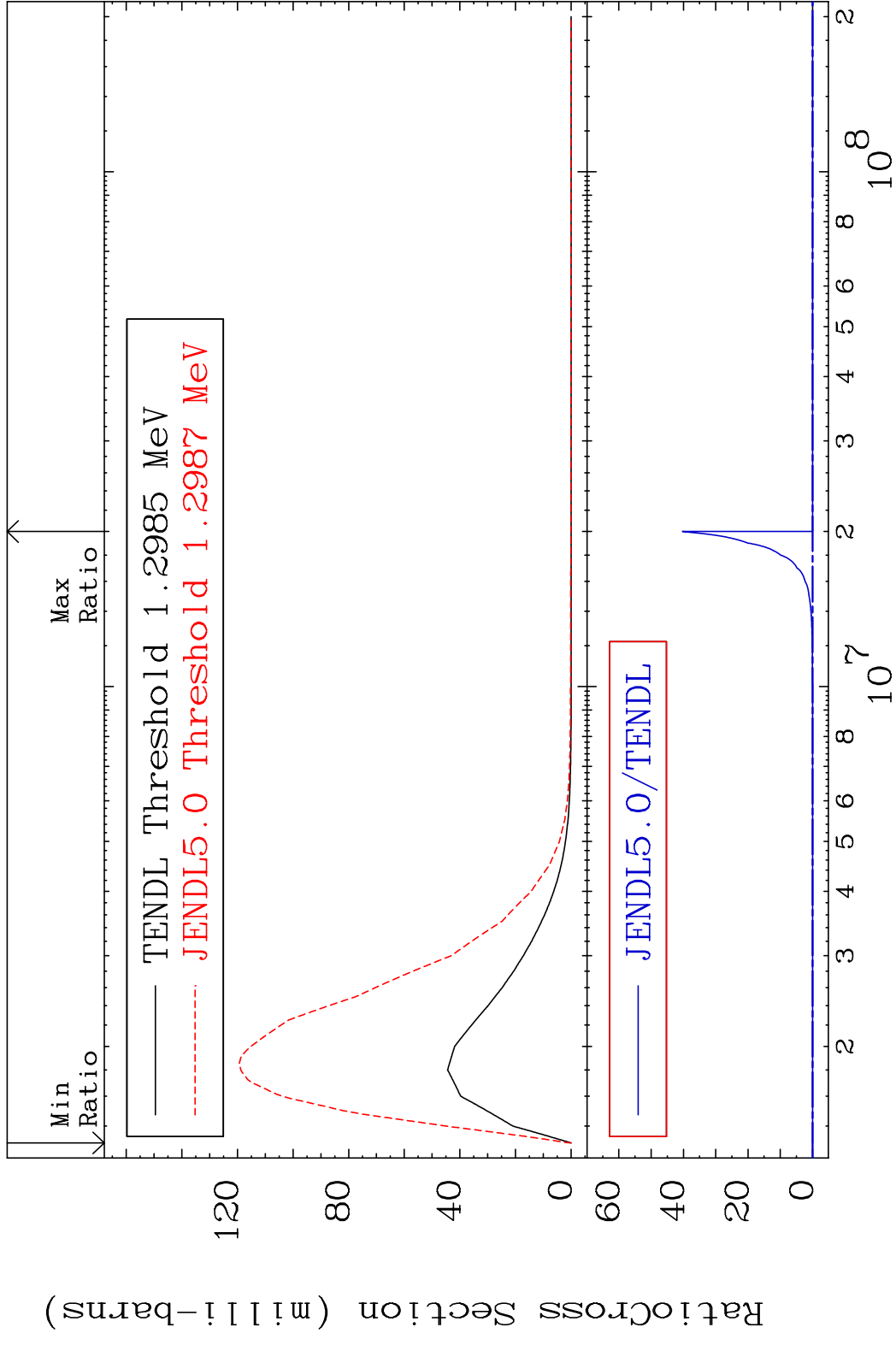
MAT 3922 MT= 66 (n, n') Level 39-Y -88
 Cross Section -100.0 To 33.32 %



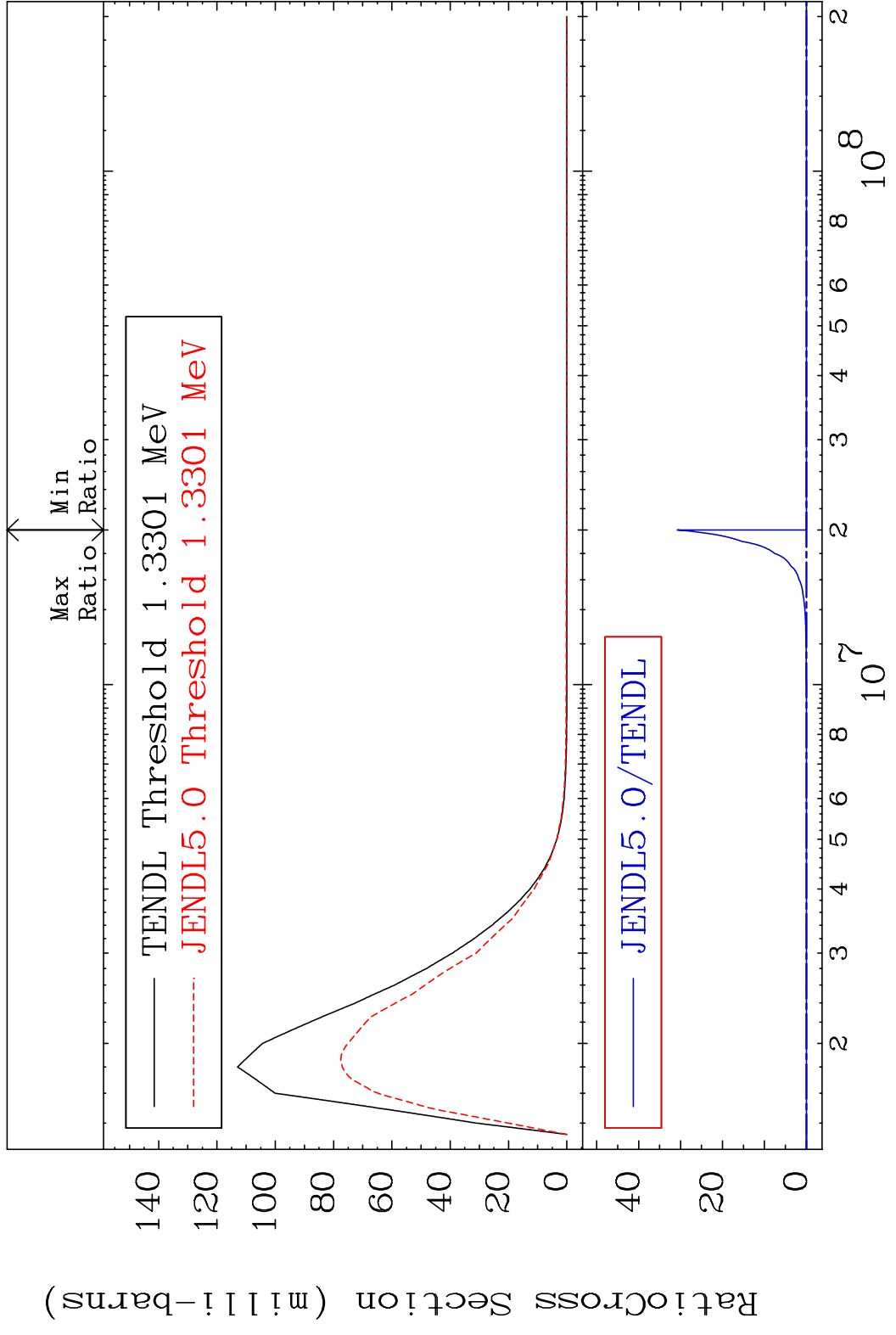
MAT 3922 MT= 67 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



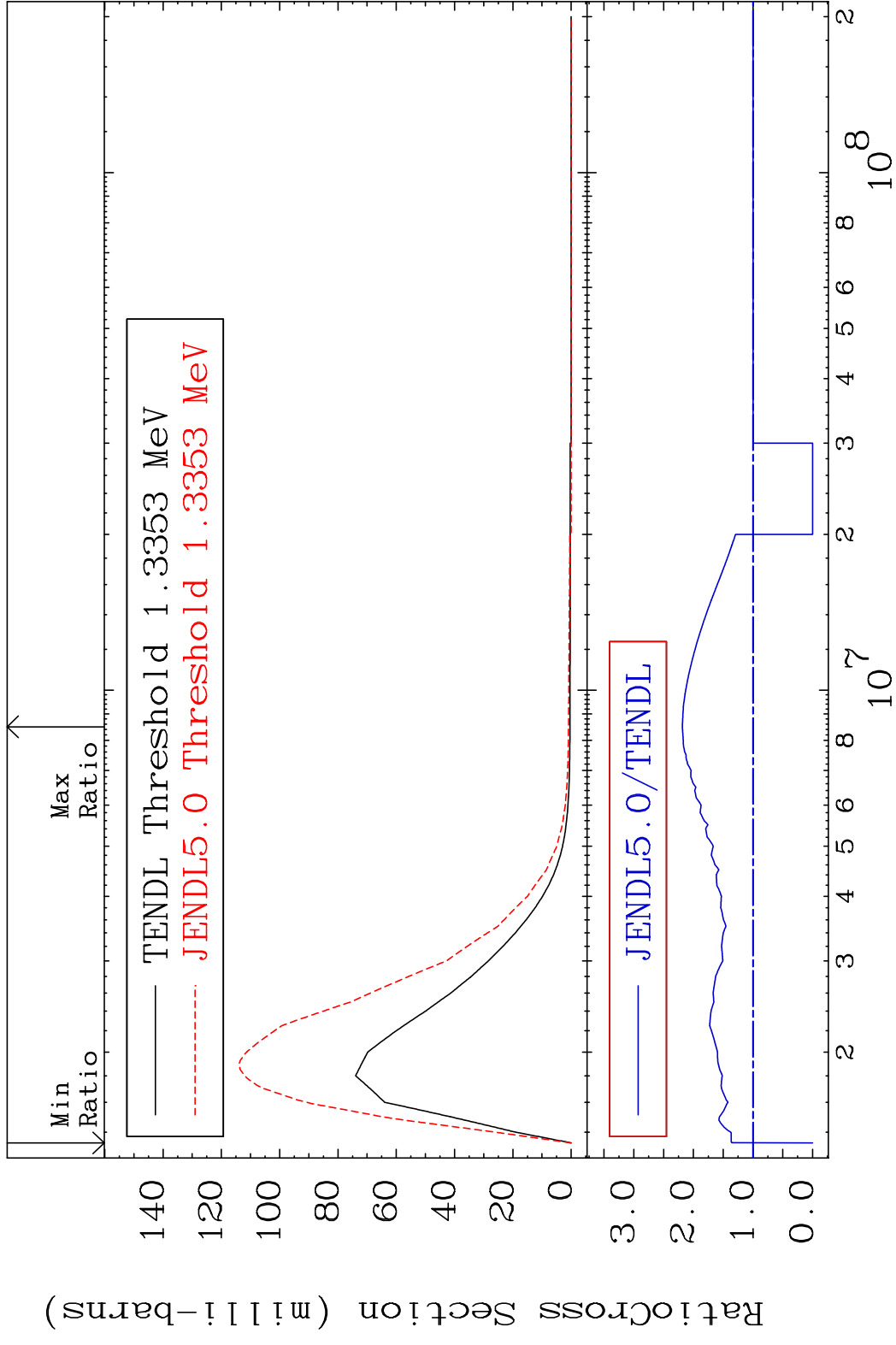
MAT 3922 MT= 68 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



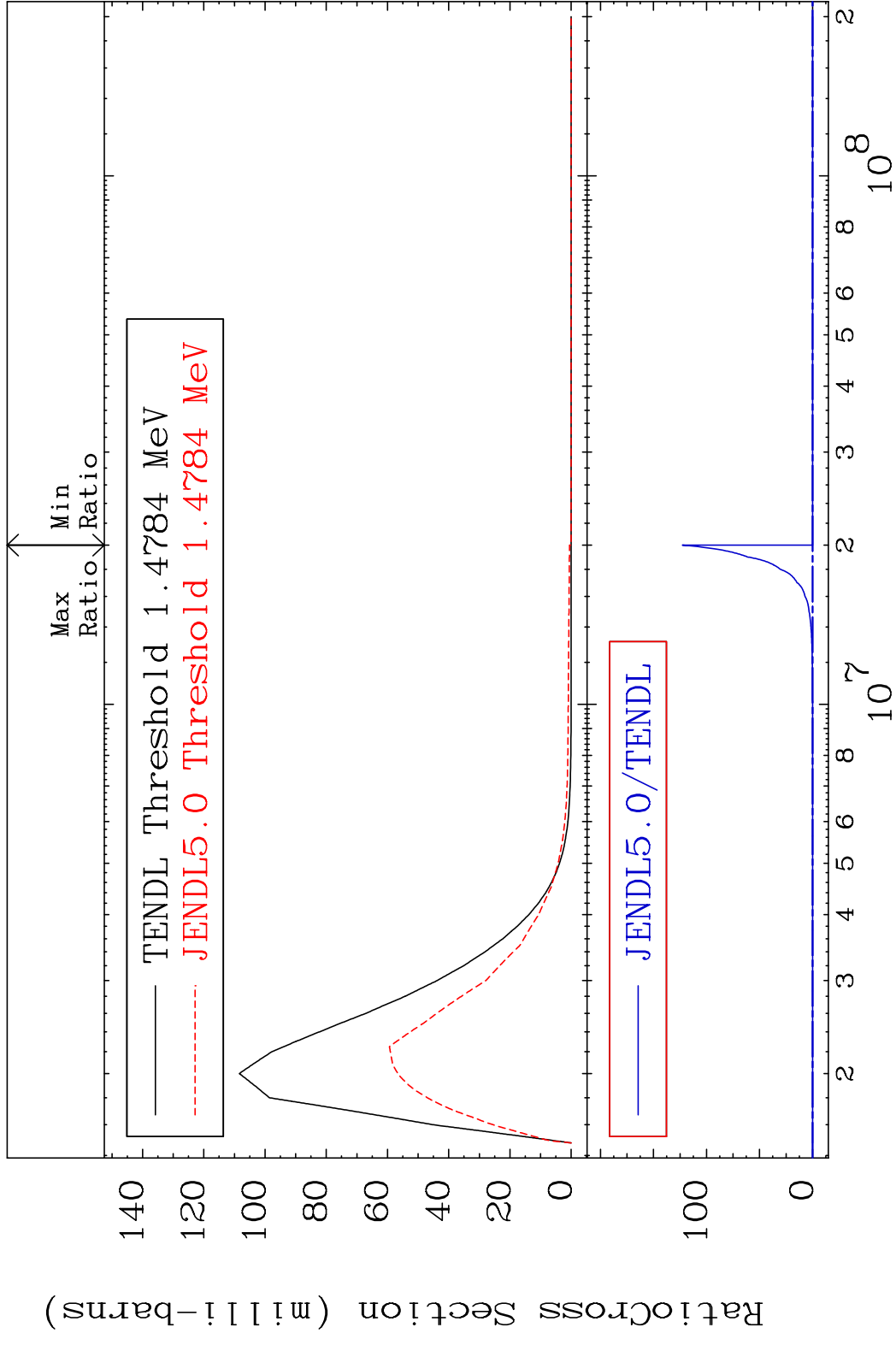
MAT 3922 MT= 69 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



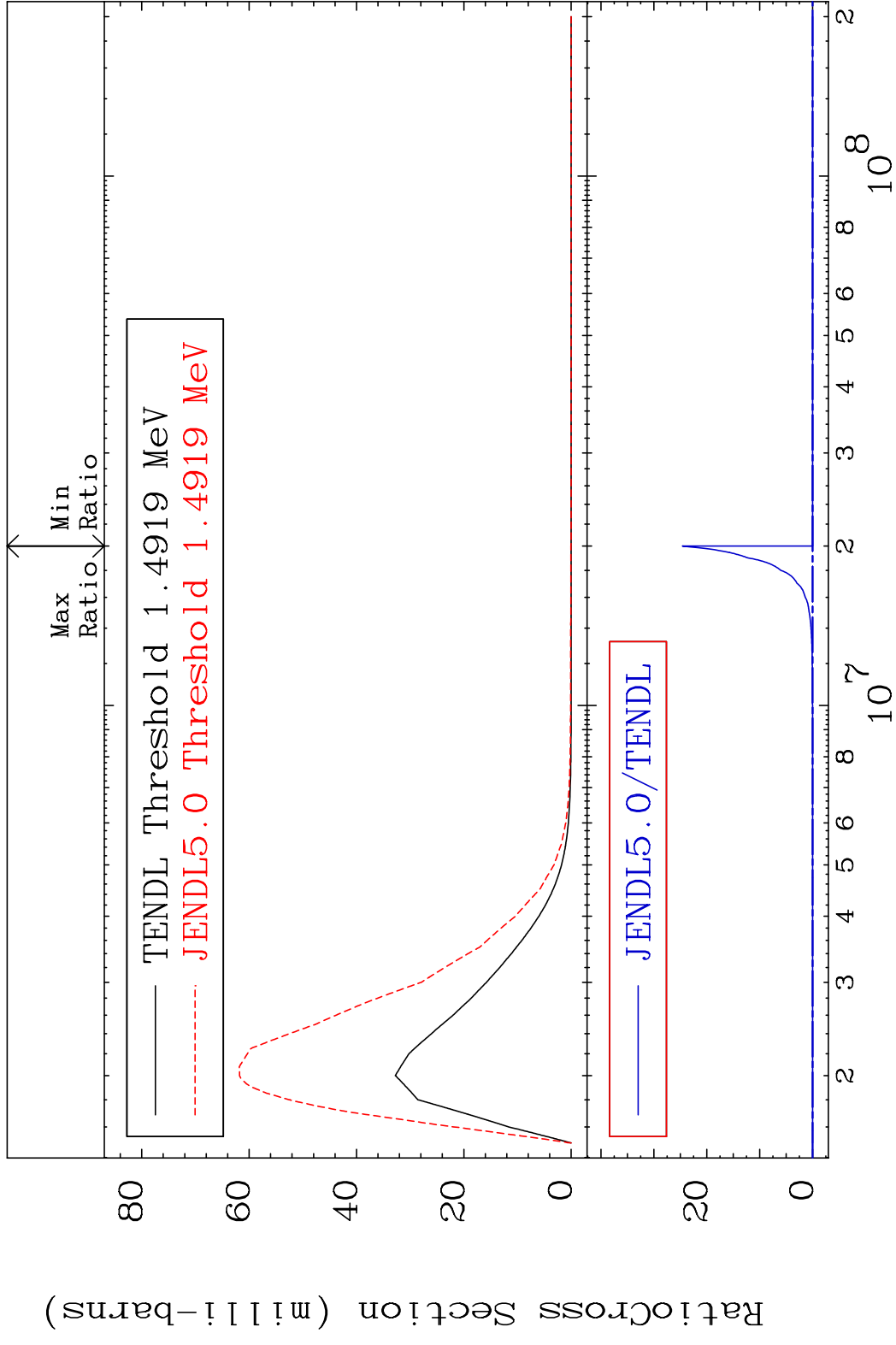
MAT 3922 MT= 70 (n,n') Level 39-Y -88
 Cross Section -100.0 To 118.5 %



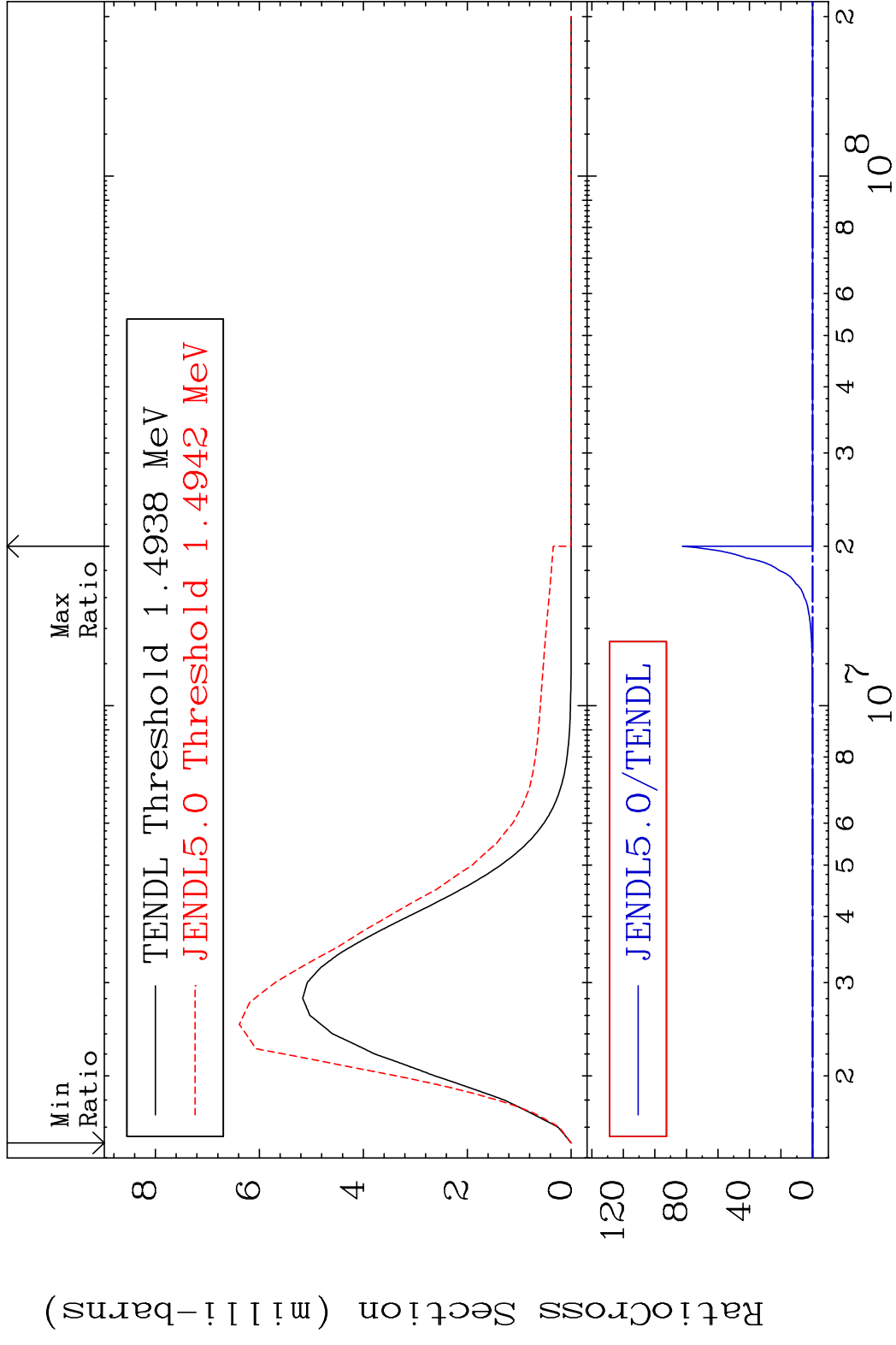
MAT 3922 MT= 71 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



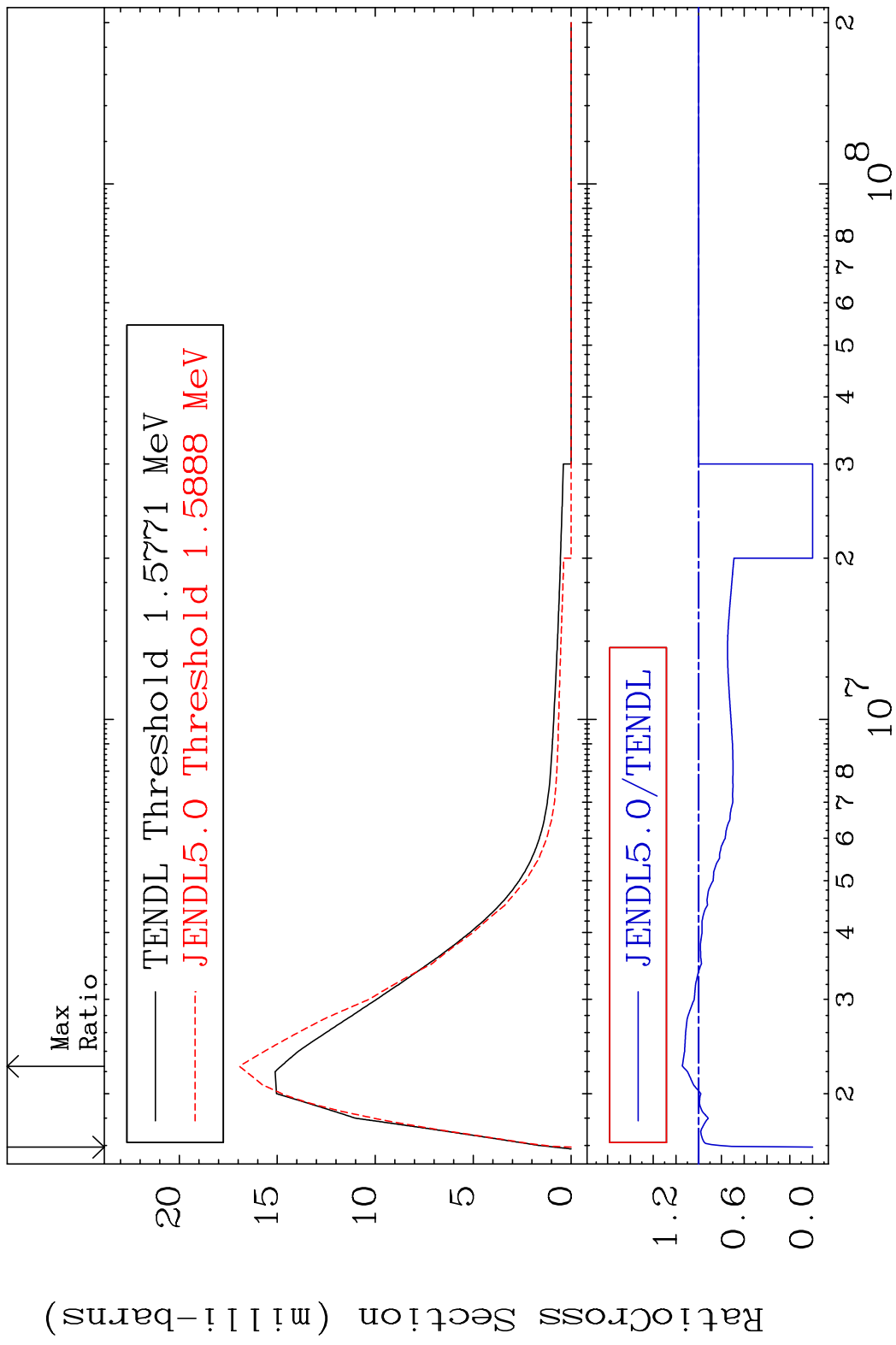
MAT 3922 MT= 72 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



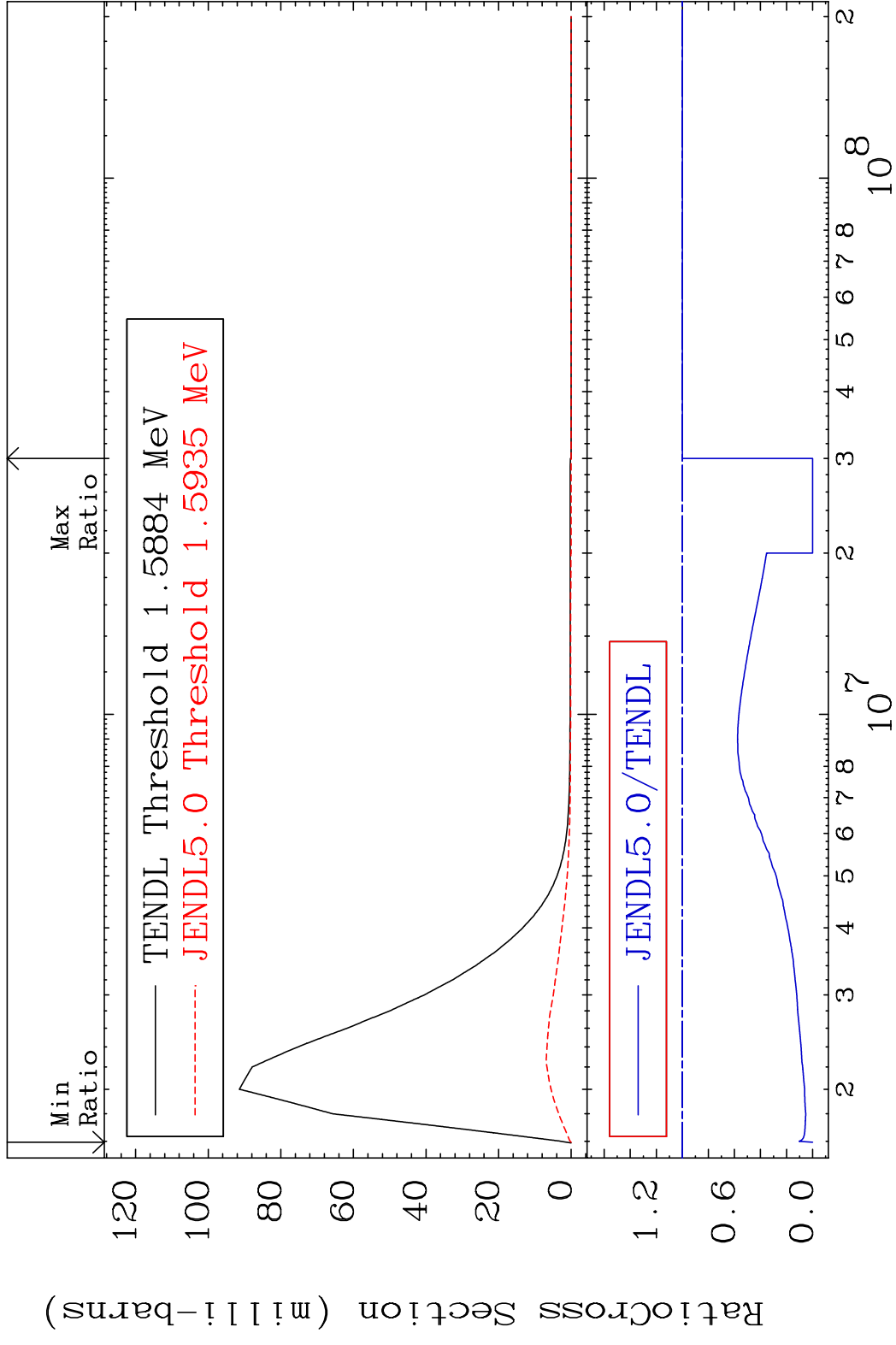
MAT 3922 MT= 73 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



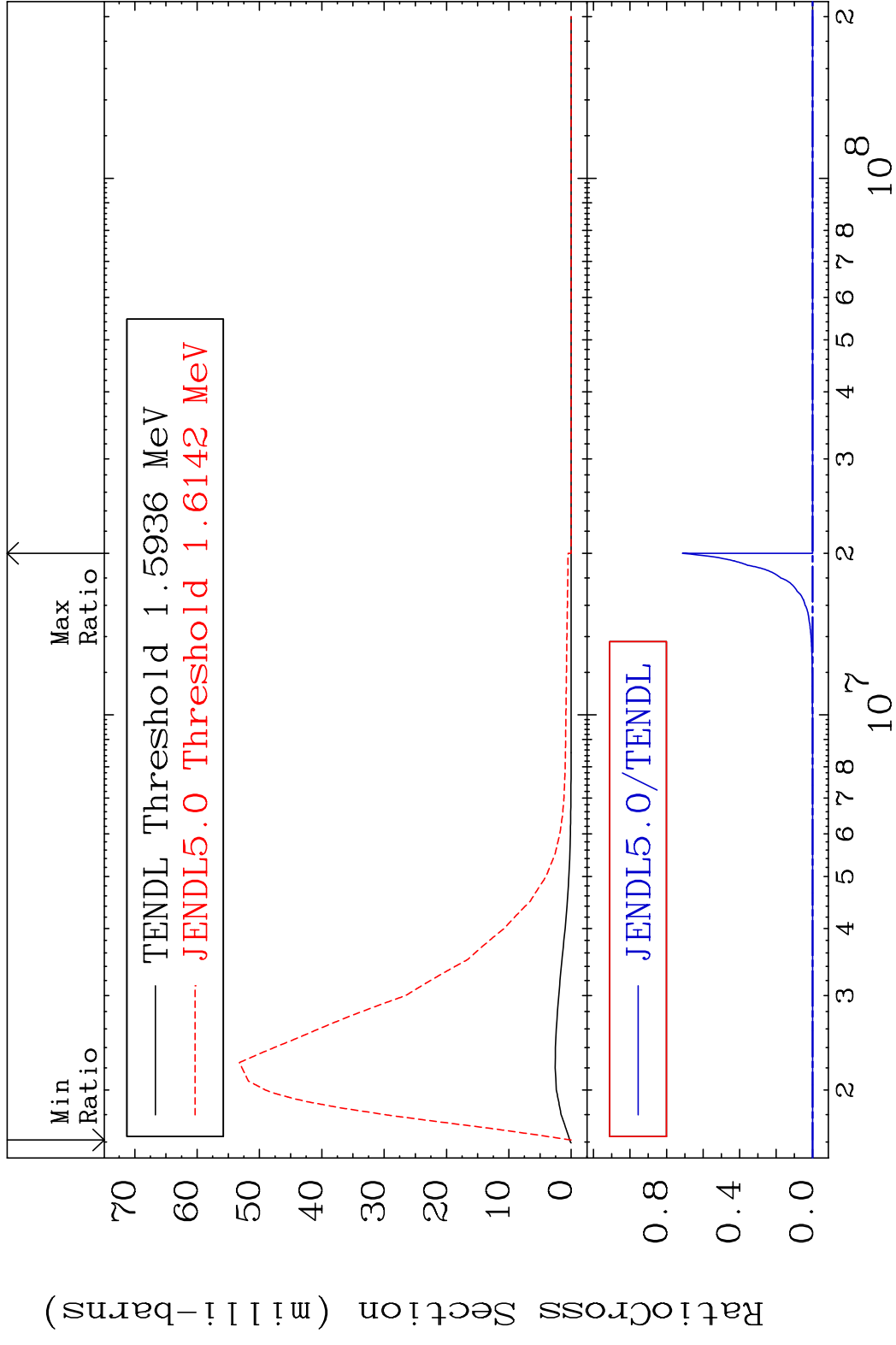
MAT 3922 MT= 74 (n,n') Level 39-Y -88
 Cross Section -100.0 To 14.35 %



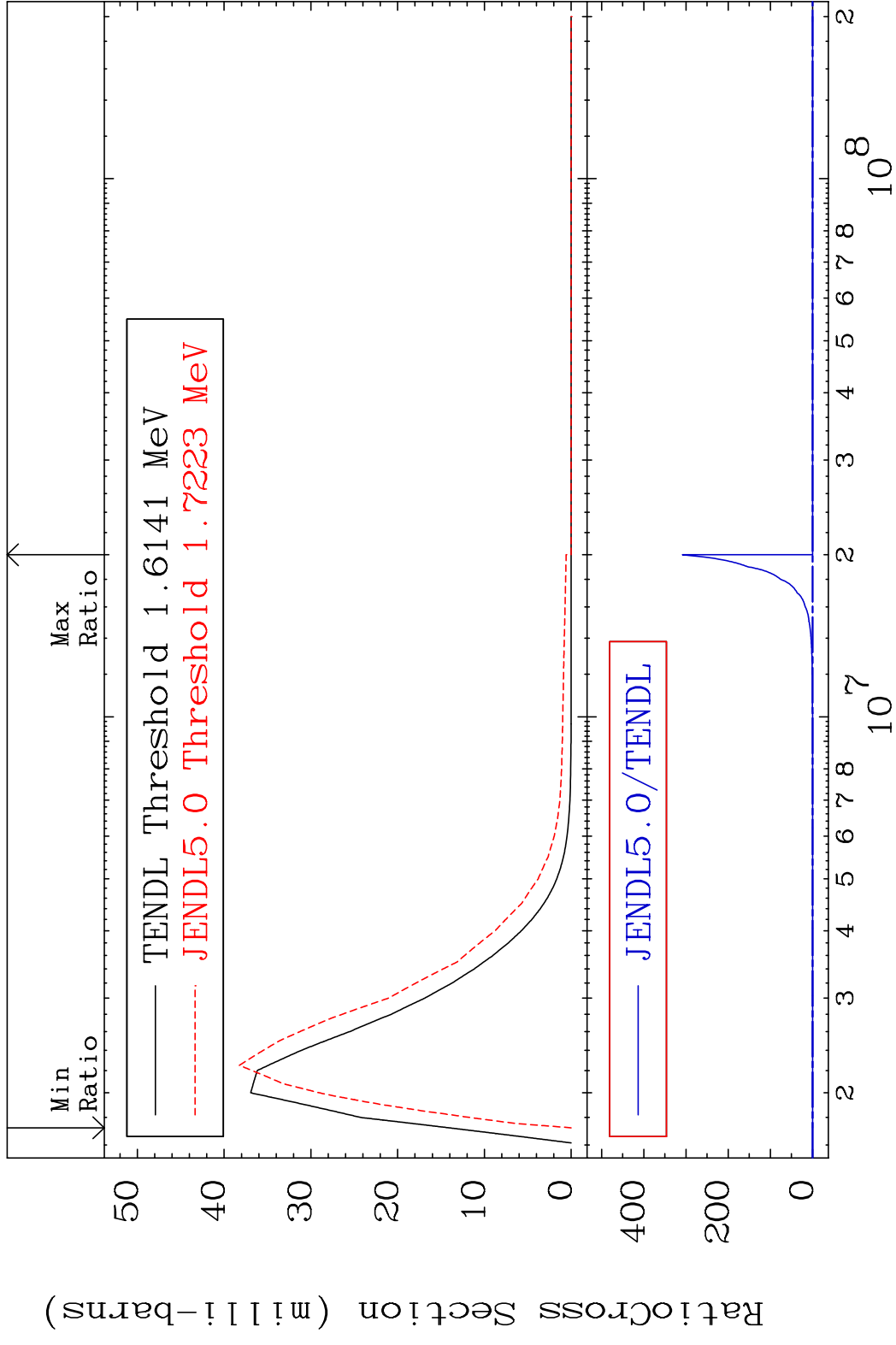
MAT 3922 MT= 75 (n, n') Level 39-Y -88
 Cross Section -100.0 To 0.000 %



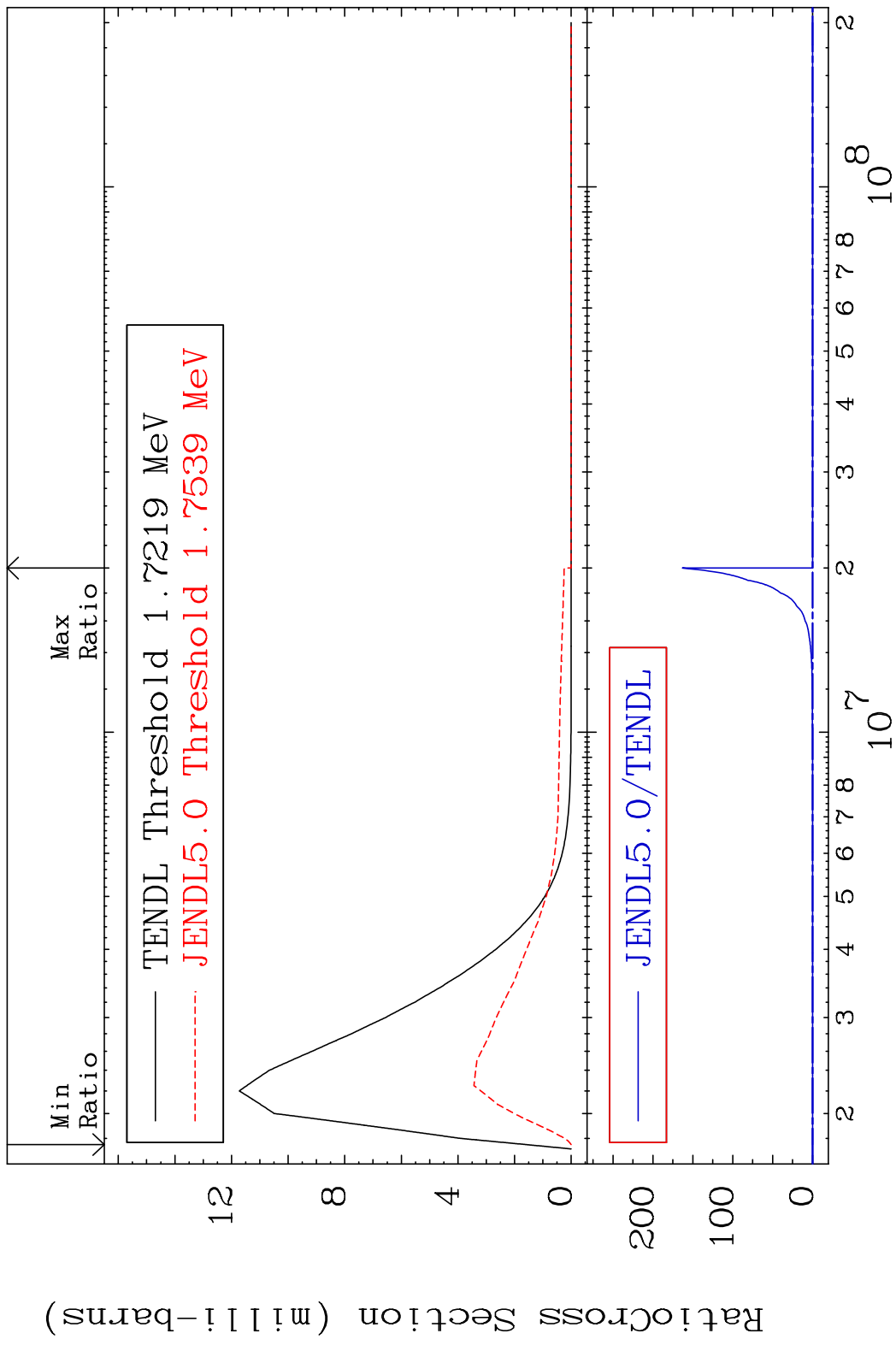
MAT 3922 MT= 76 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



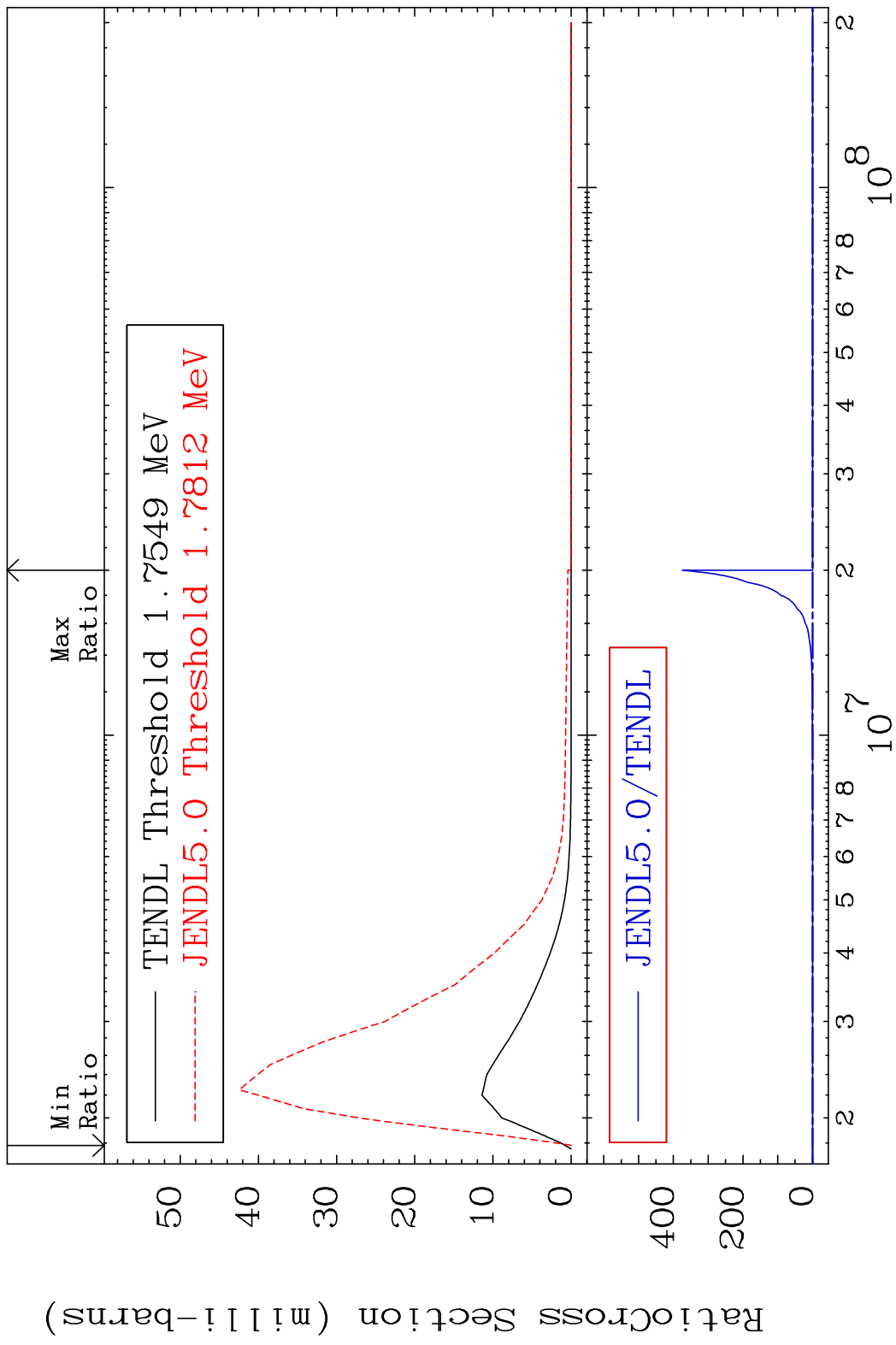
MAT 3922 MT= 77 (n,n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



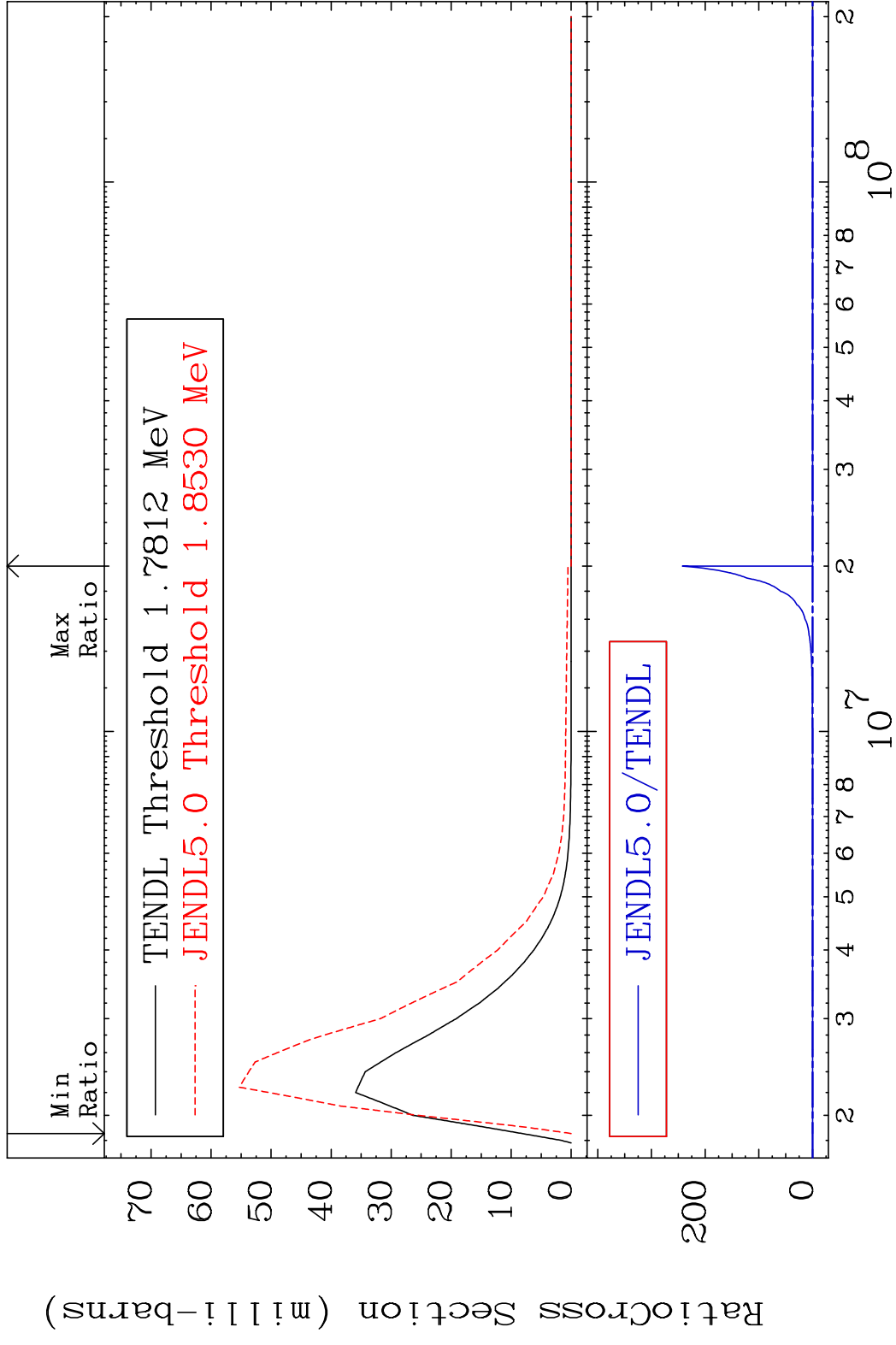
MAT 3922 MT= 78 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



MAT 3922 MT= 79 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



MAT 3922 MT= 80 (n, n') Level 39-Y -88
 Cross Section -100.0 To 9999. %



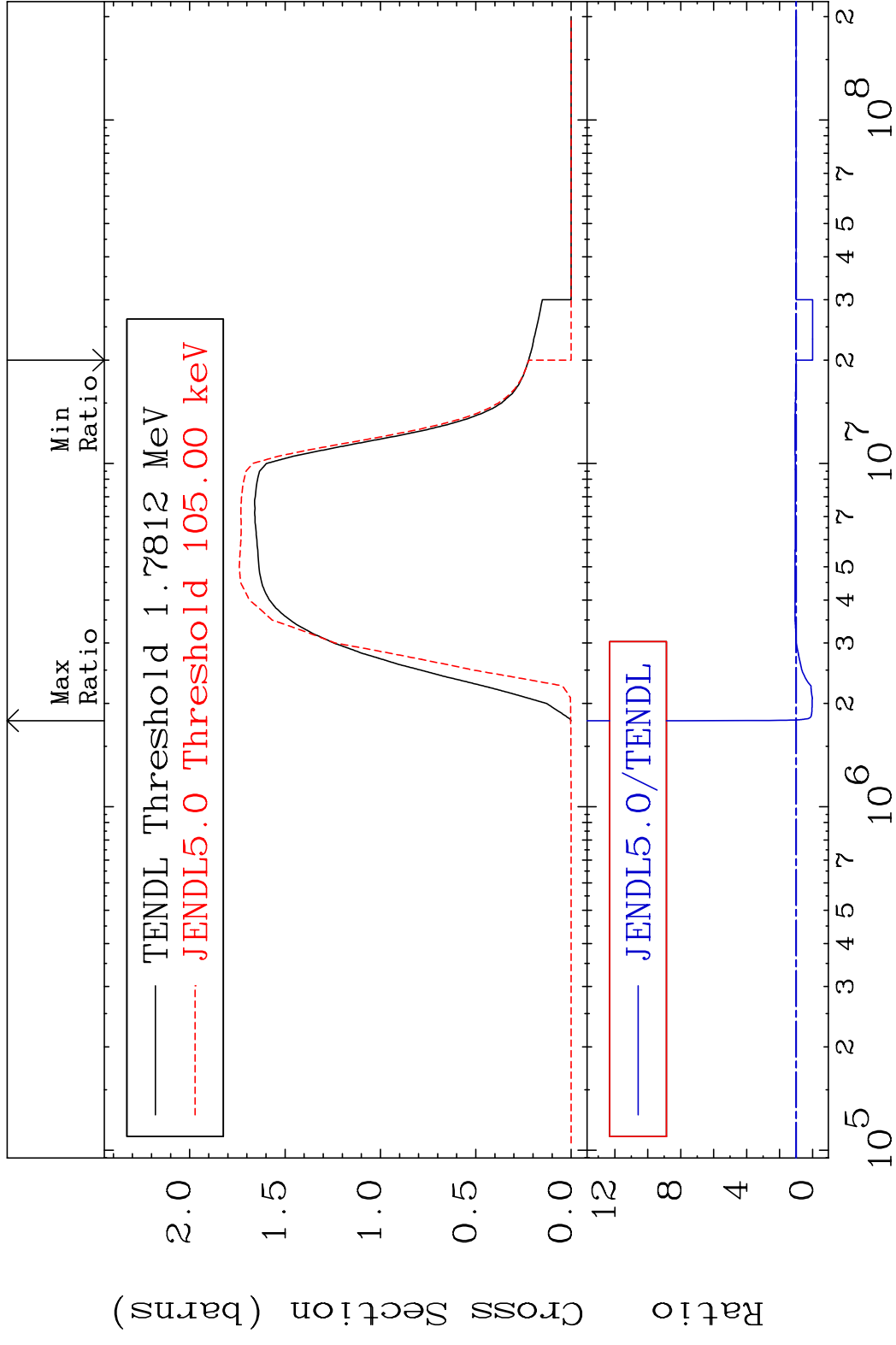
39 Incident Energy (eV) 39-Y -88

MAT 3922

(n, n') Continuum

39-Y -88

Cross Section -100.0 To 690.0 %



40

Incident Energy (eV)

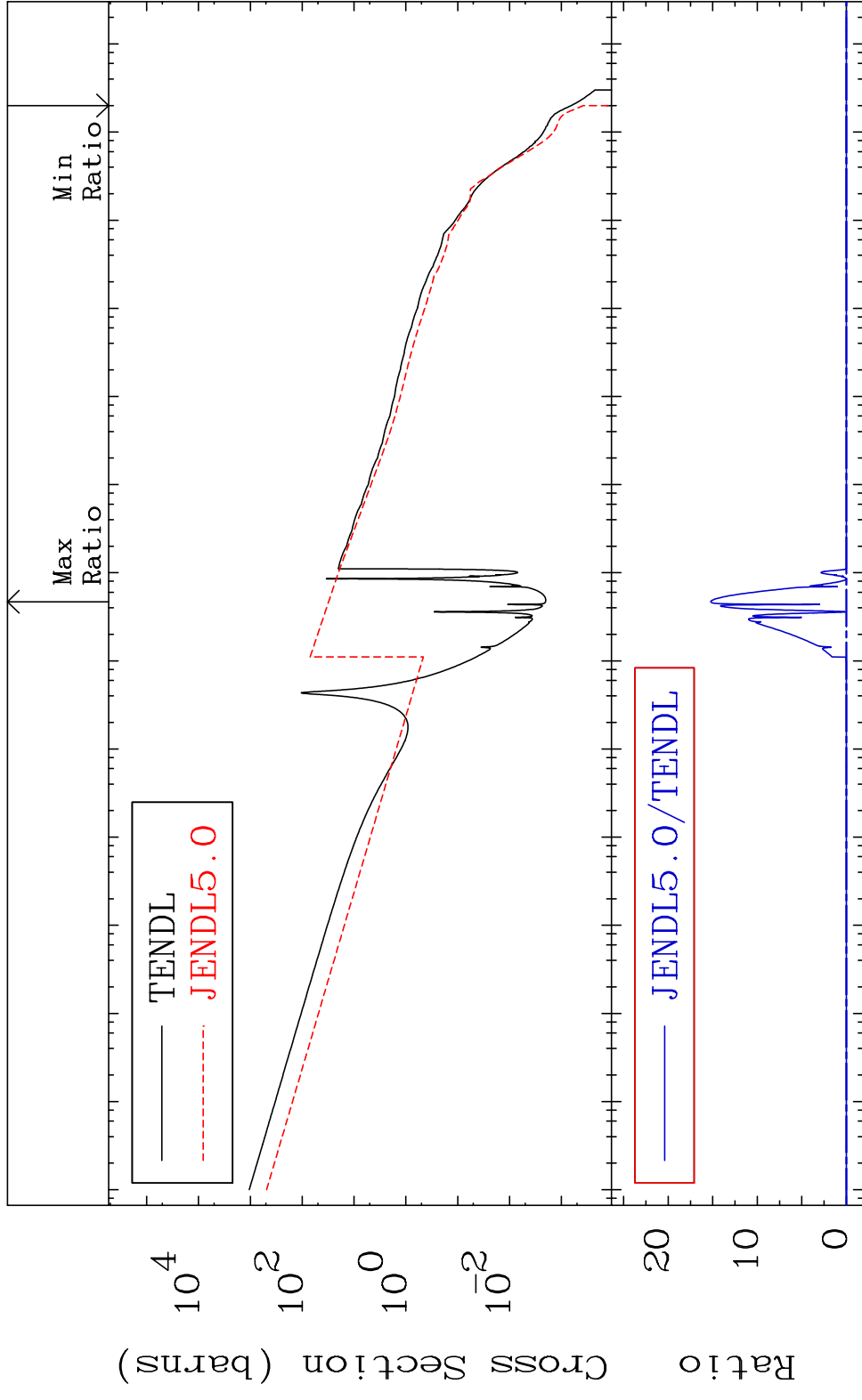
39-Y -88

MAT 3922

39-Y -88

(n, γ)

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

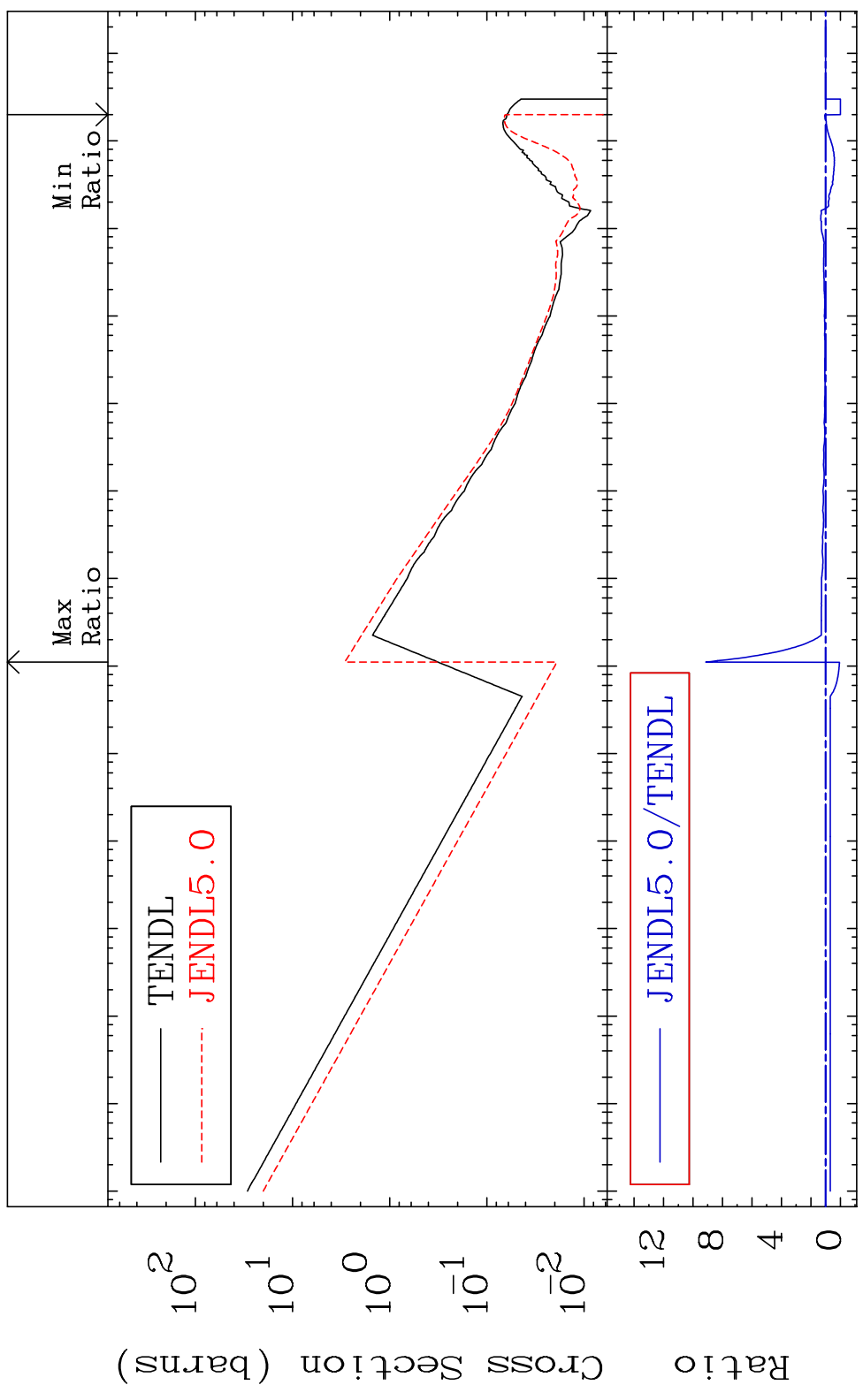
39-Y -88

MAT 3922

(n, p)

39-Y -88

Cross Section -100.0 To 813.8 %

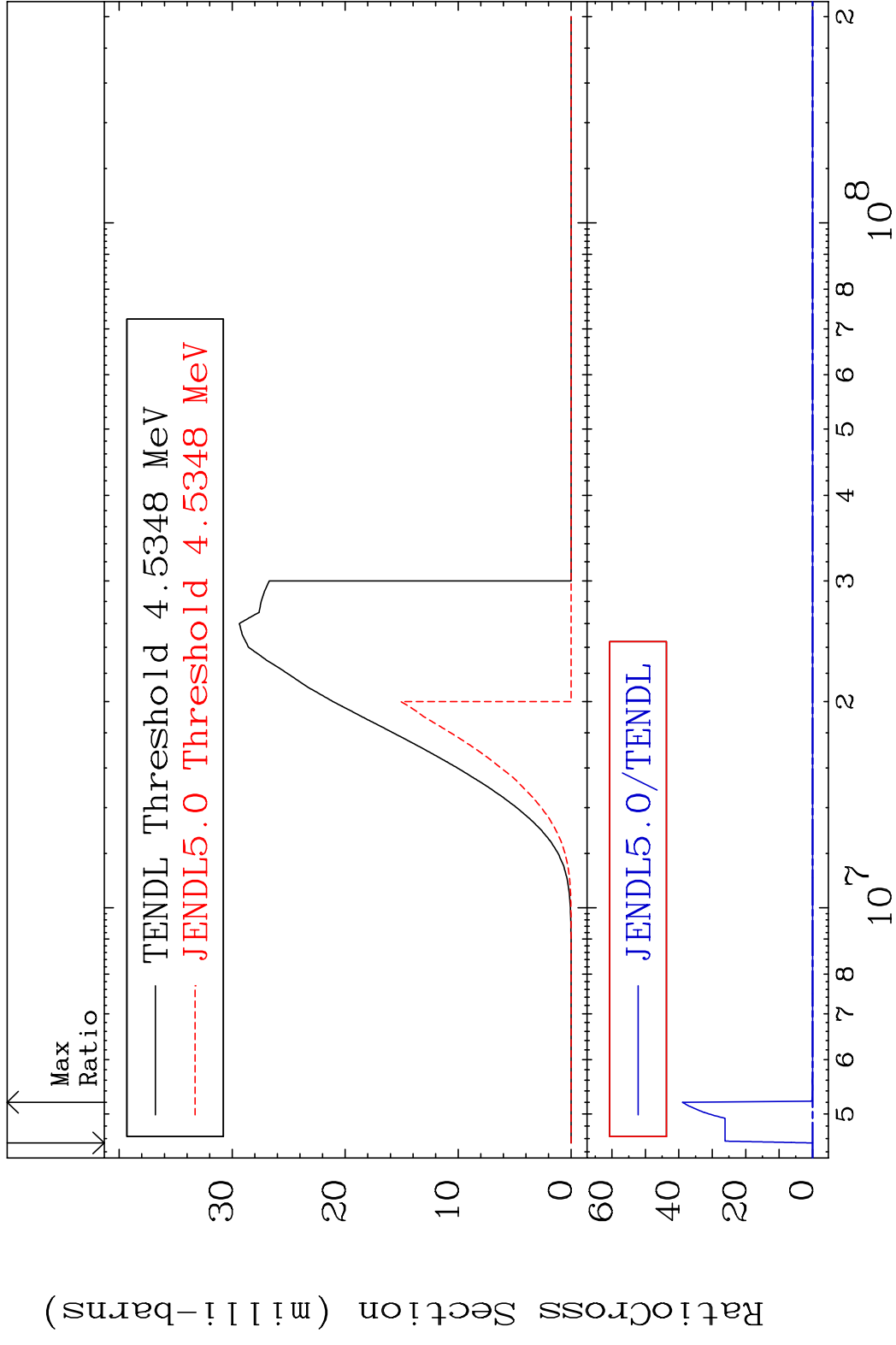


42

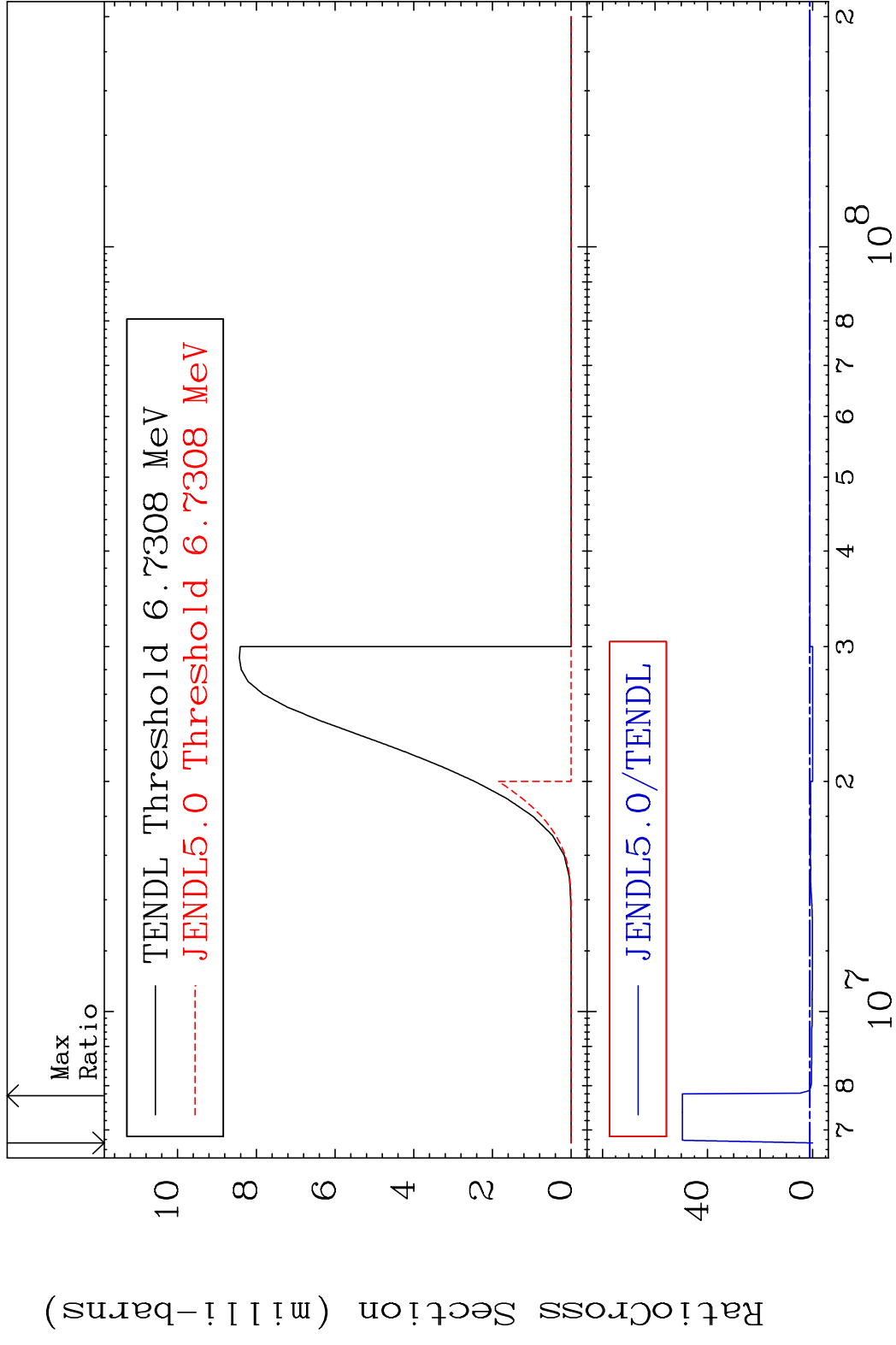
Incident Energy (eV)

39-Y -88

MAT 3922 (n,d) 39-Y -88
 Cross Section -100.0 To 9999. %



MAT 3922 (n, t) 39-Y -88
 Cross Section -100.0 To 4860. %

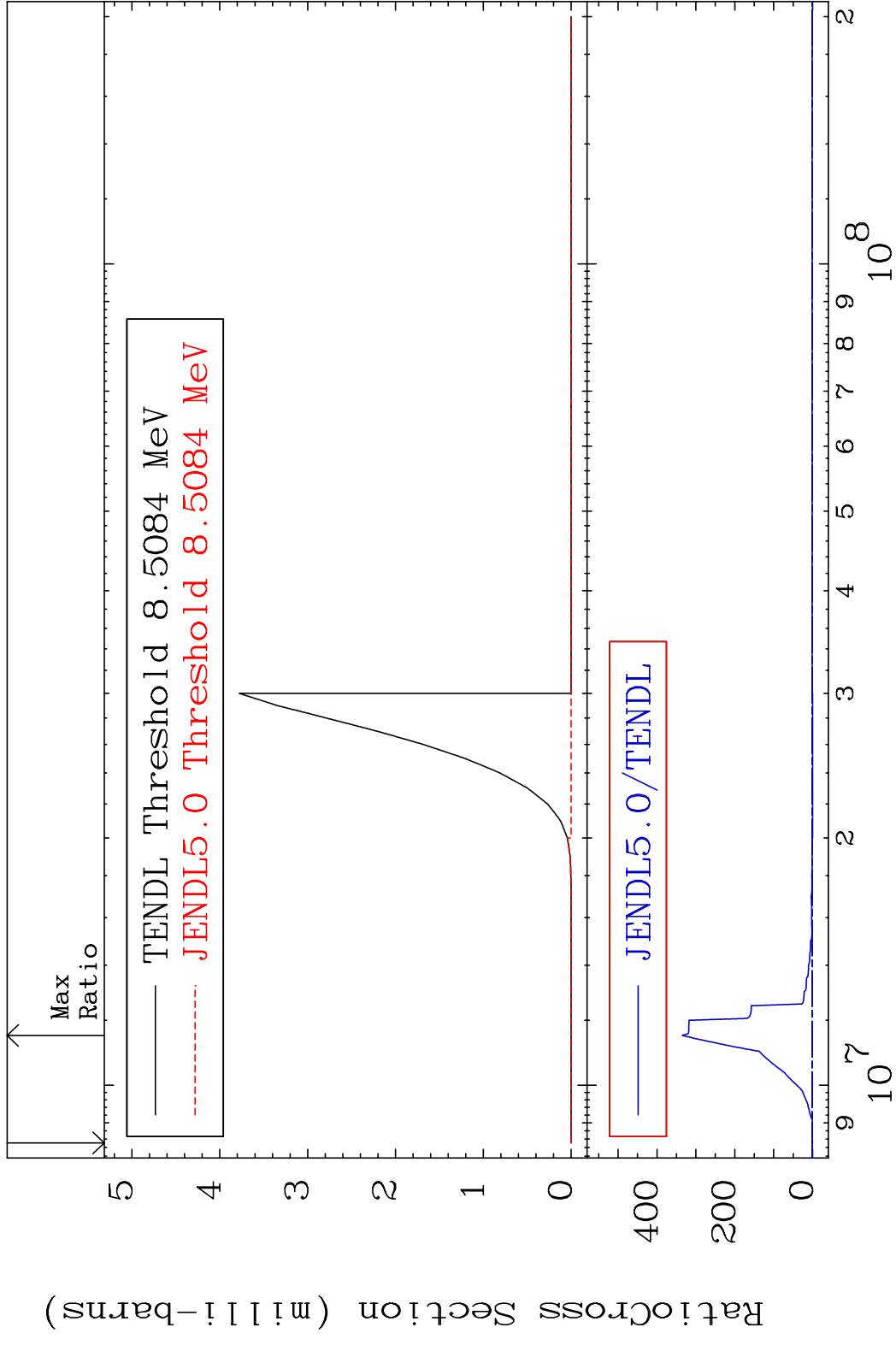


MAT 3922

(n, He-3)

39-Y -88

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

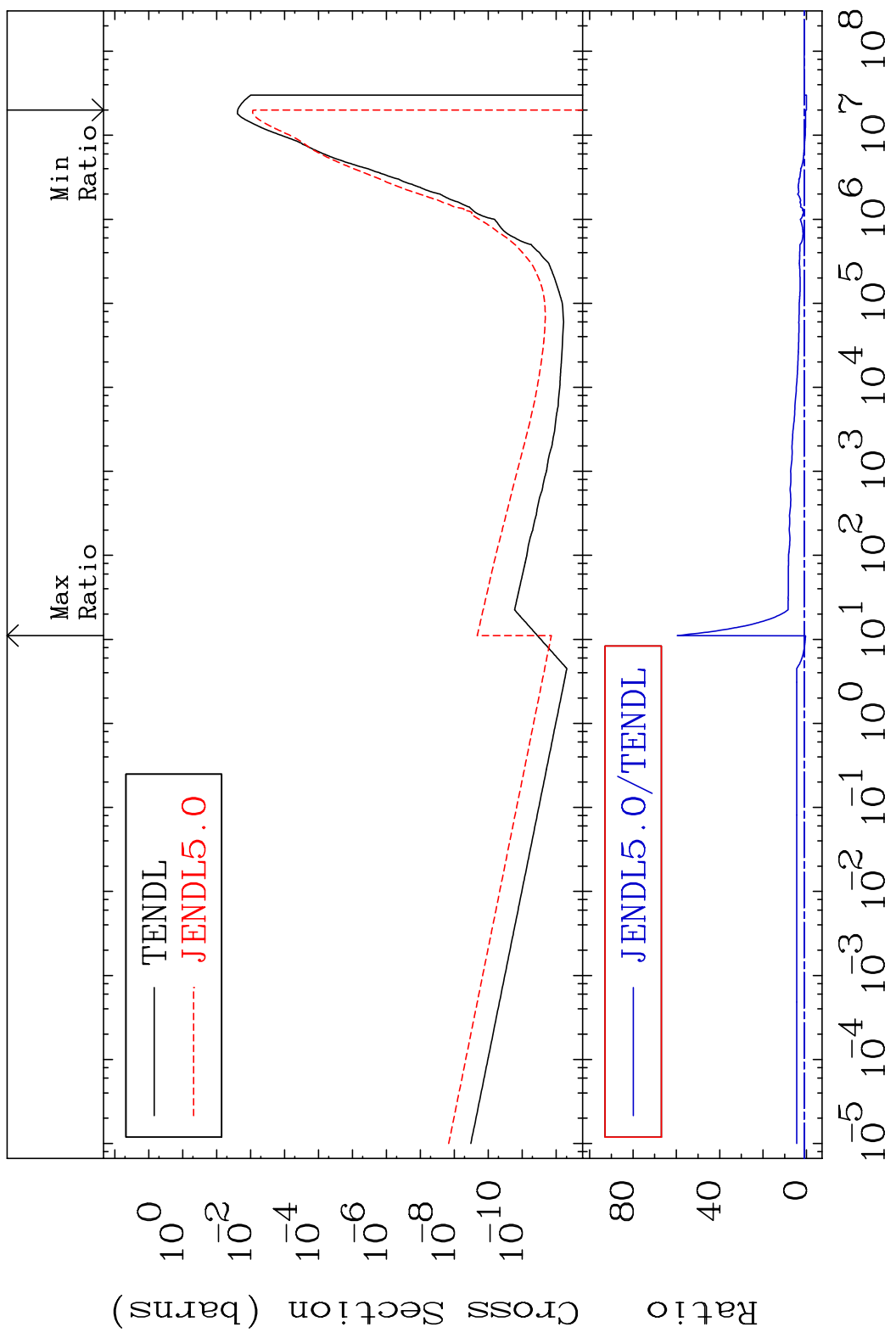
39-Y -88

MAT 3922

(n, α)

39-Y -88

Cross Section -100.0 To 5862. %

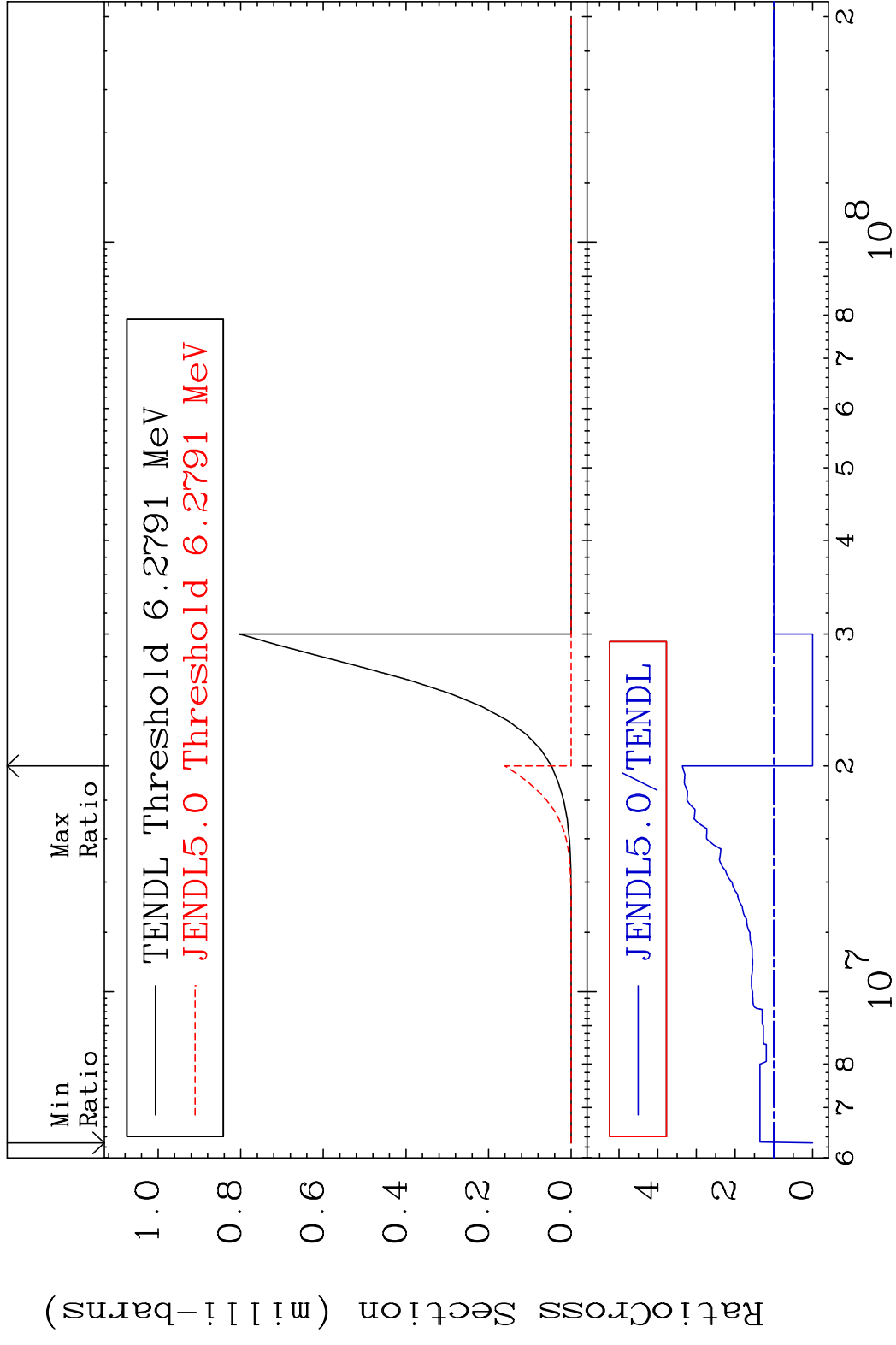


46

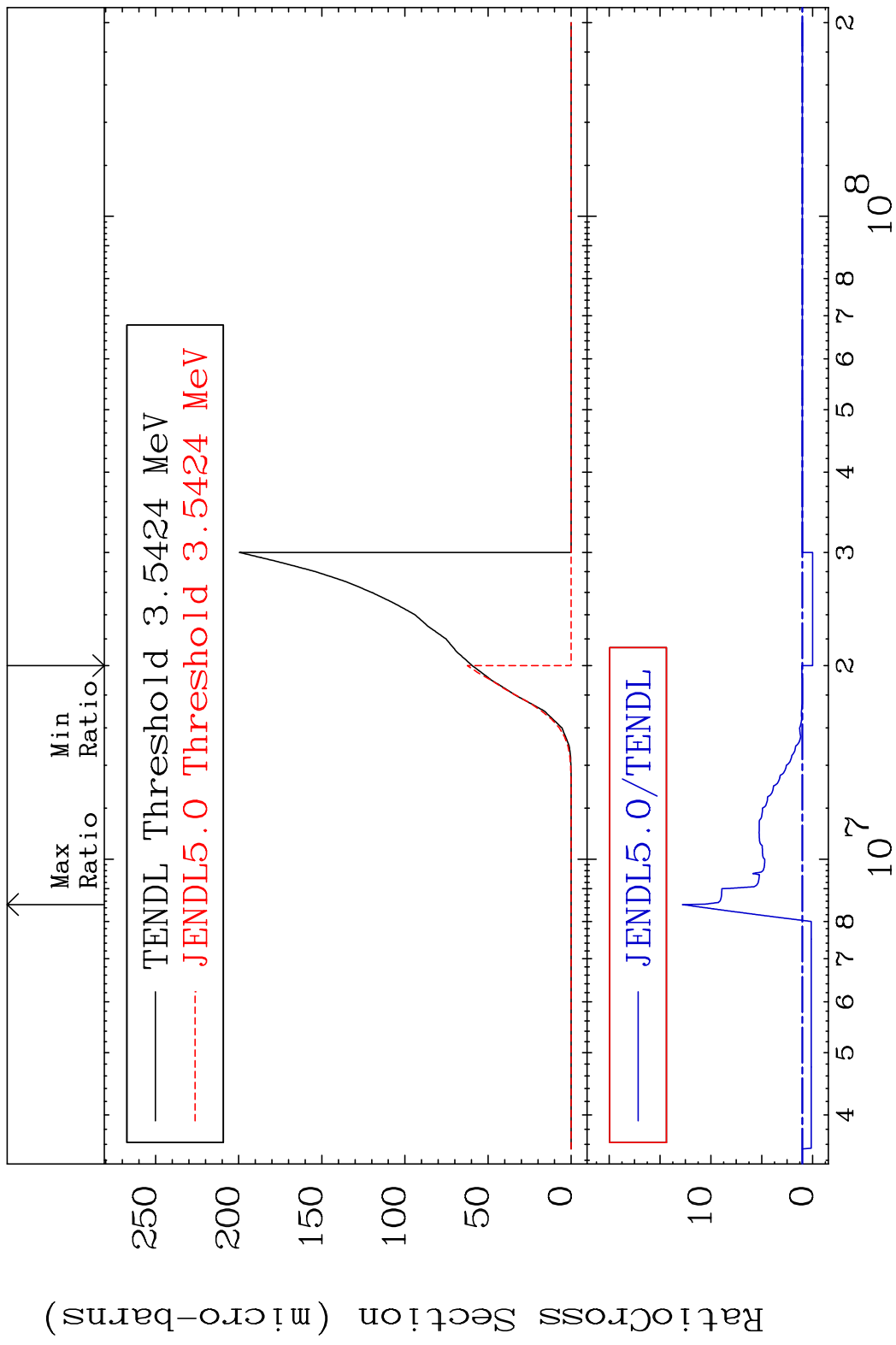
Incident Energy (eV)

39-Y -88

MAT 3922 (n,2p) 39-Y -88
 Cross Section -100.0 To 236.3 %

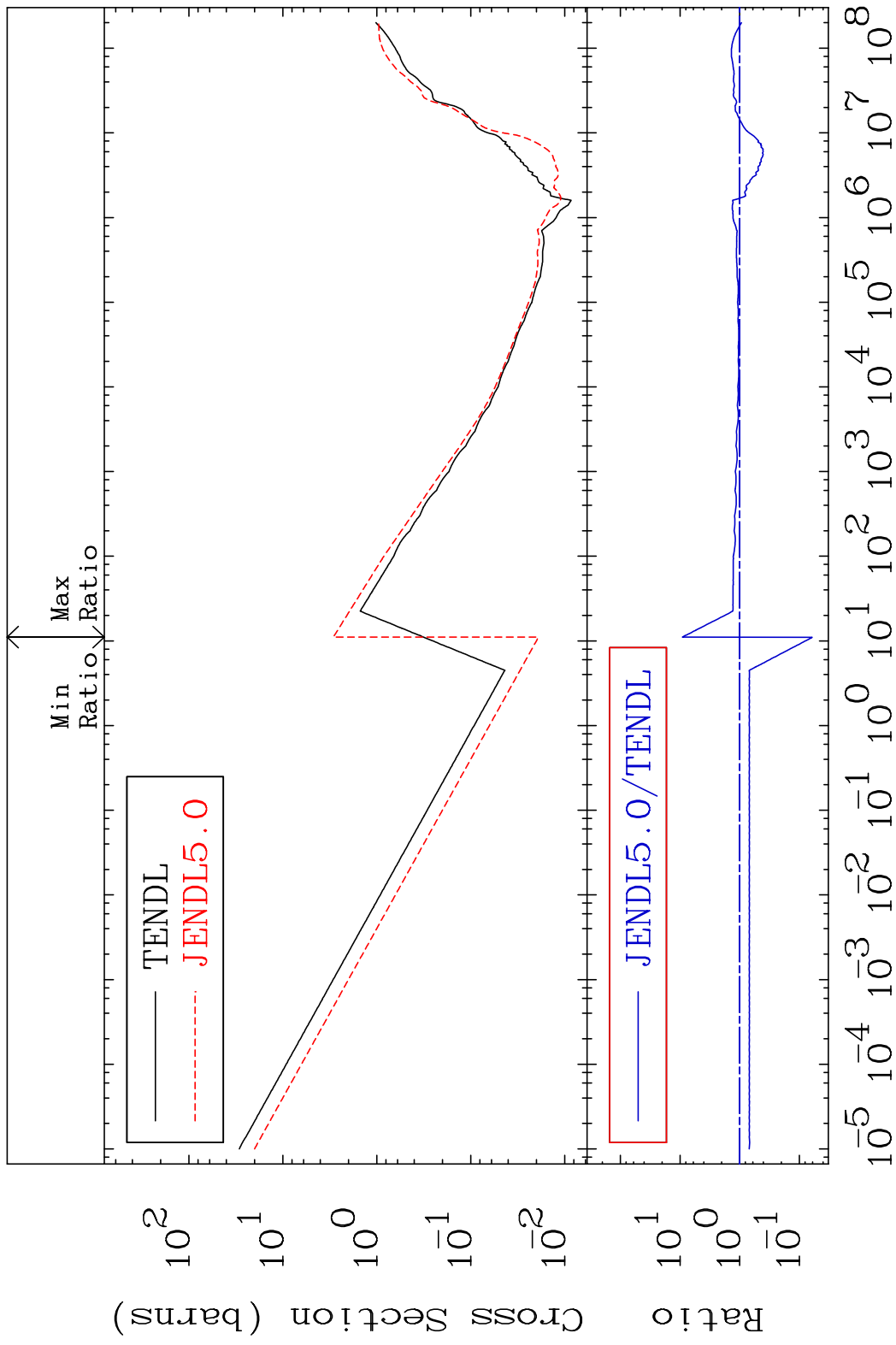


MAT 3922 (n,p) α 39-Y -88
 Cross Section -100.0 To 1180. %



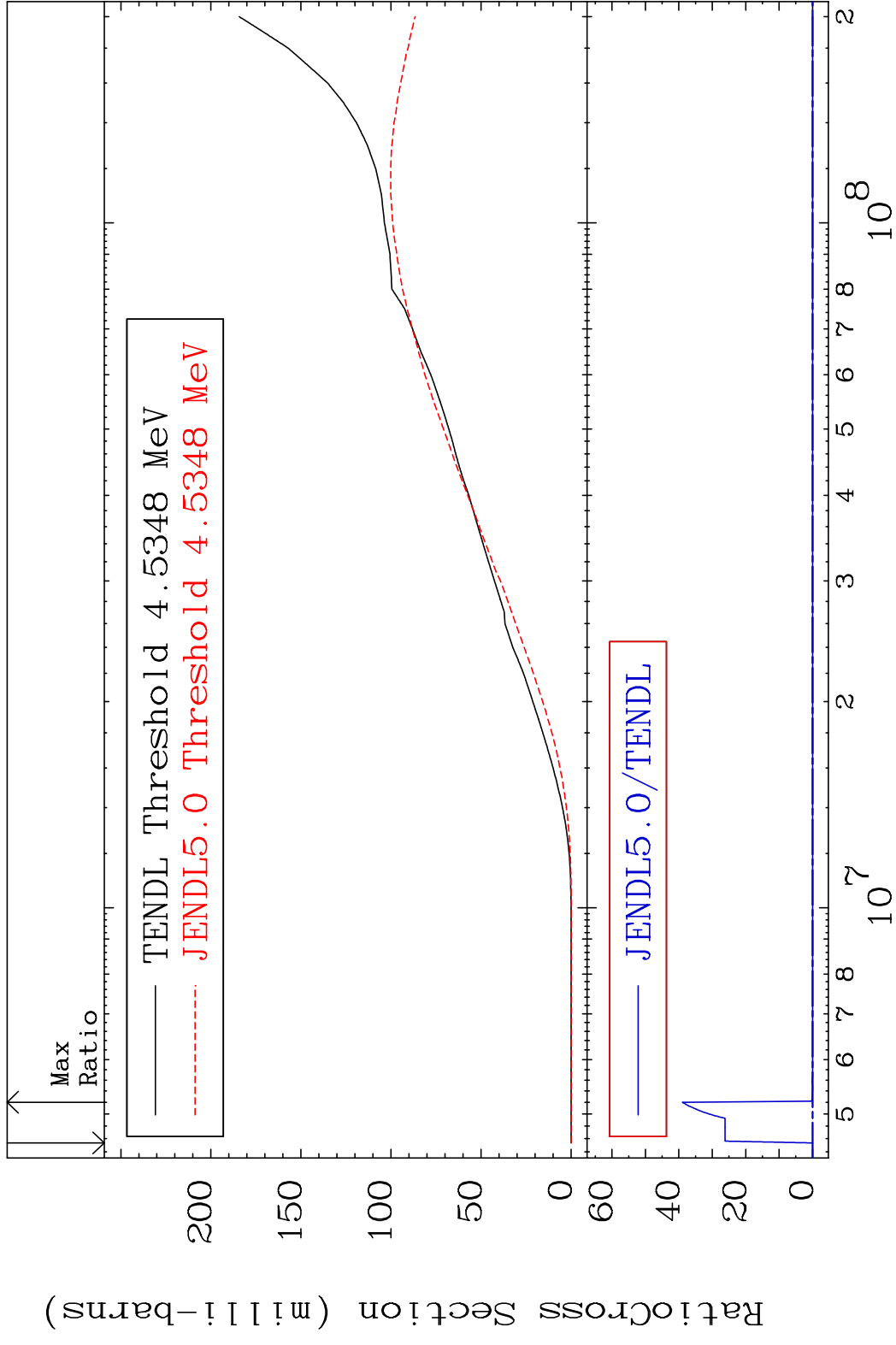
48 Incident Energy (eV) 39-Y -88

MAT 3922 Hydrogen Production 39-Y -88
 Cross Section -94.01 To 813.8 %

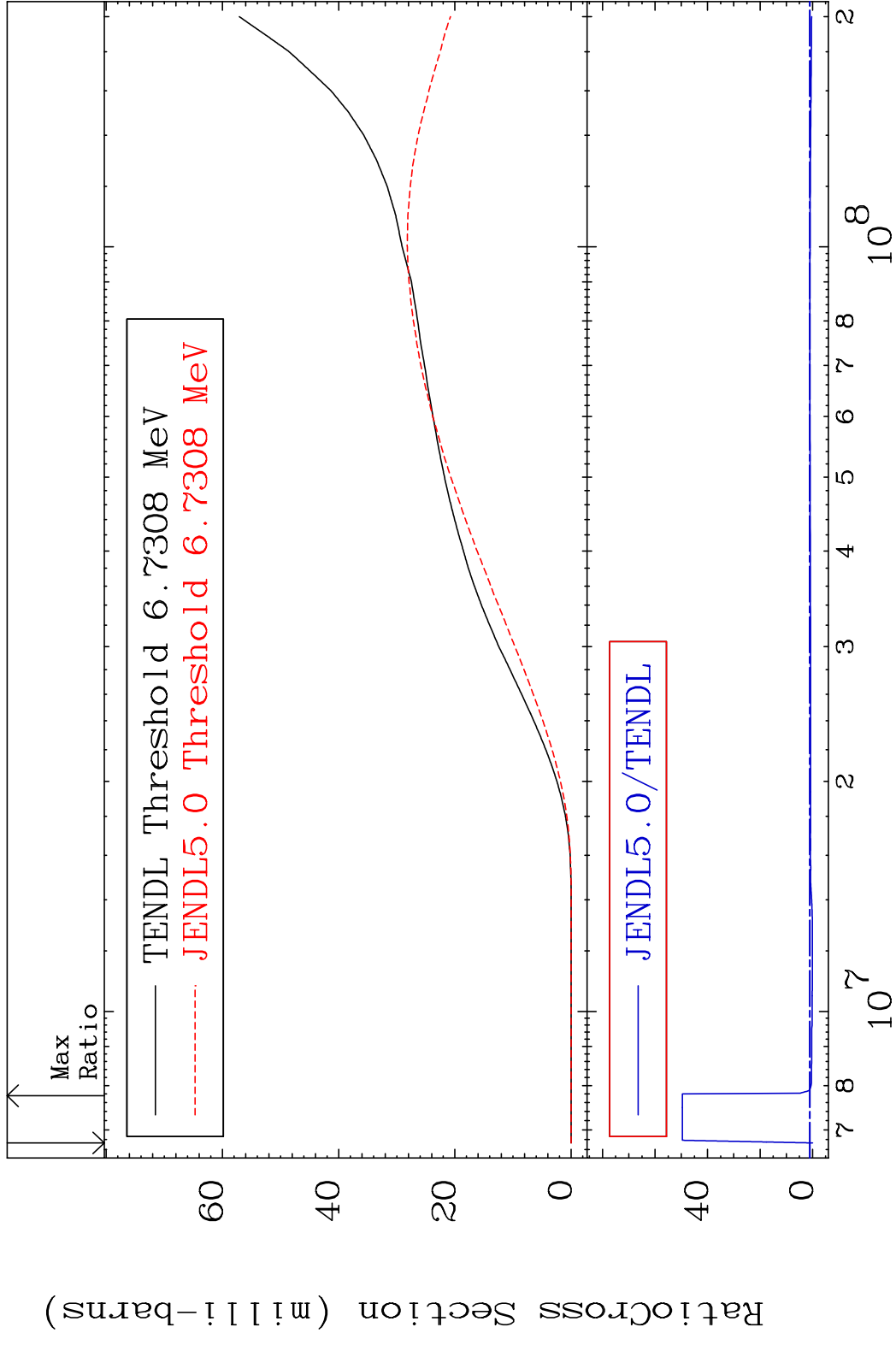


49 Incident Energy (eV) 39-Y -88

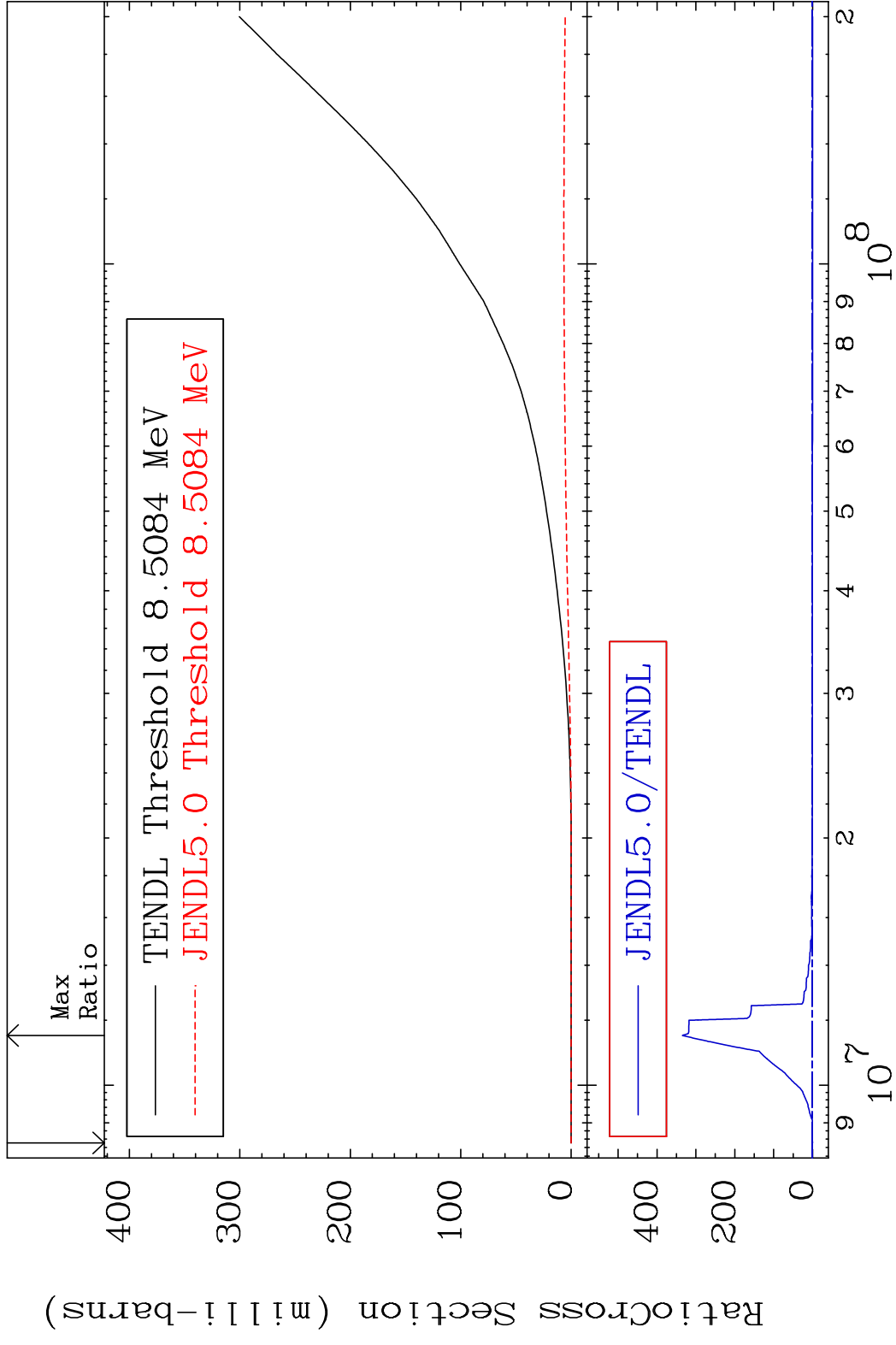
MAT 3922 Deuterium Production 39-Y -88
 Cross Section -100.0 To 9999. %



MAT 3922 Tritium Production 39-Y -88
 Cross Section -100.0 To 4860. %



Cross Section -100.0 To 9999. %

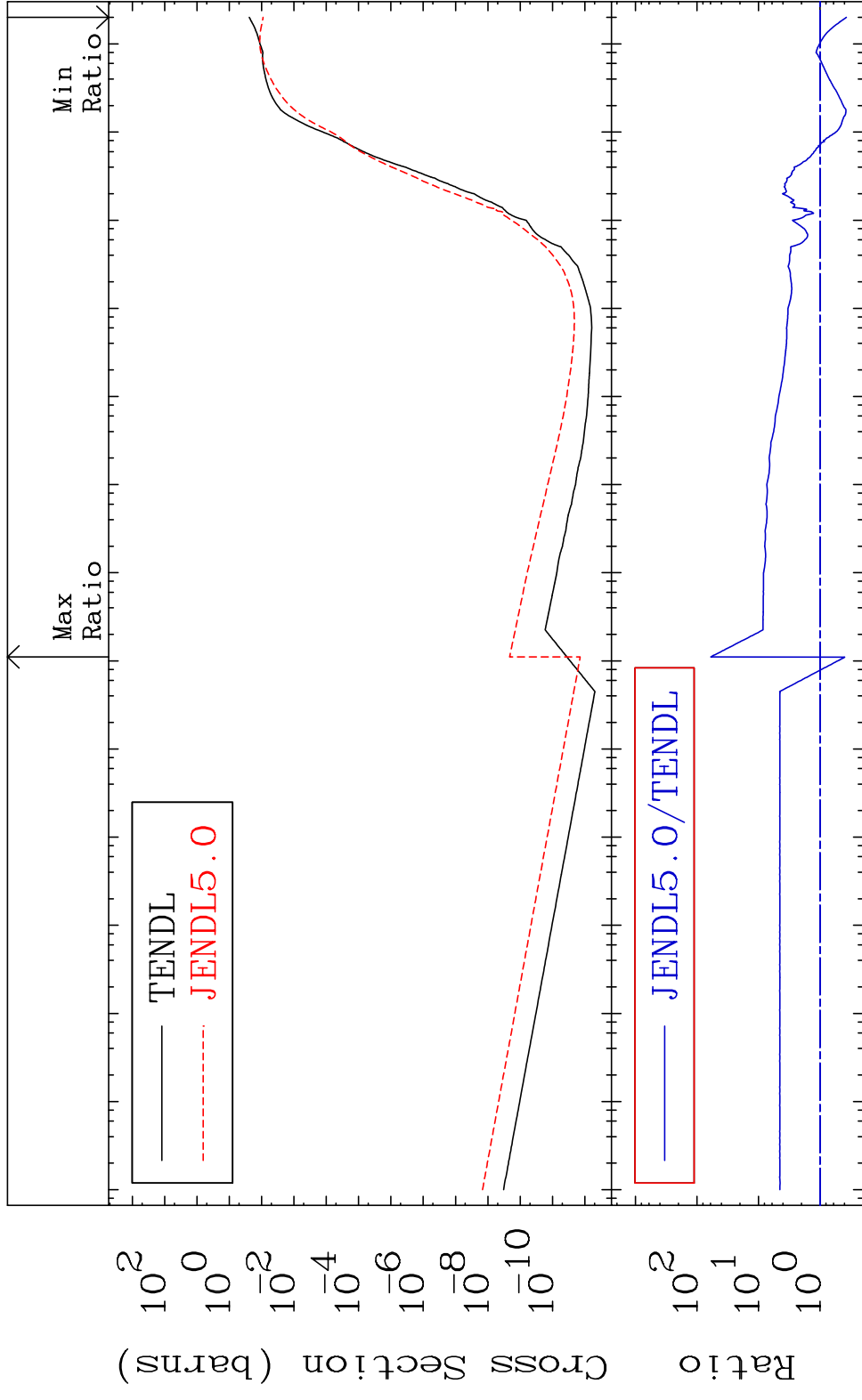


MAT 3922

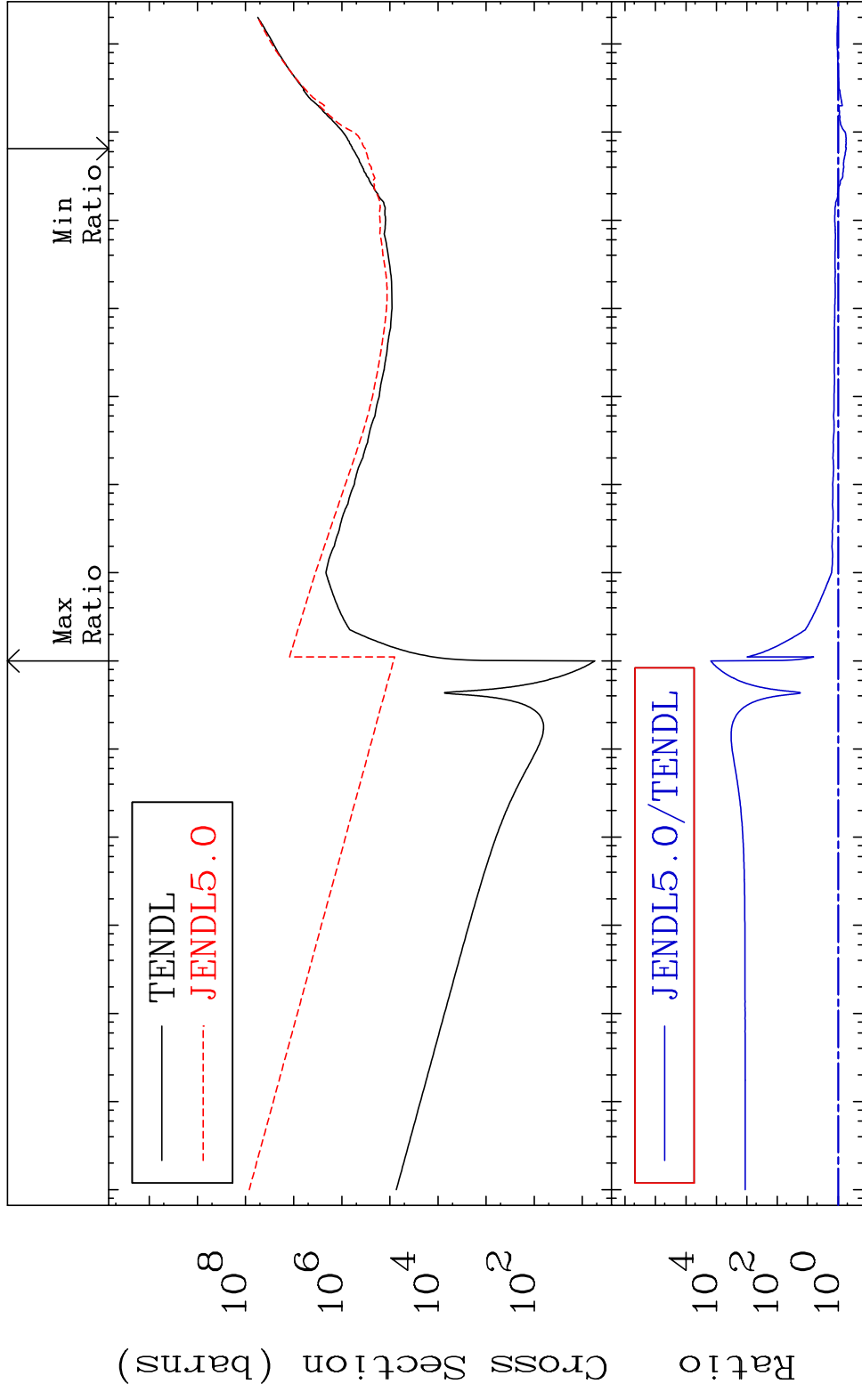
He-4 Production

39-Y -88

Cross Section -62.77 To 5862. %



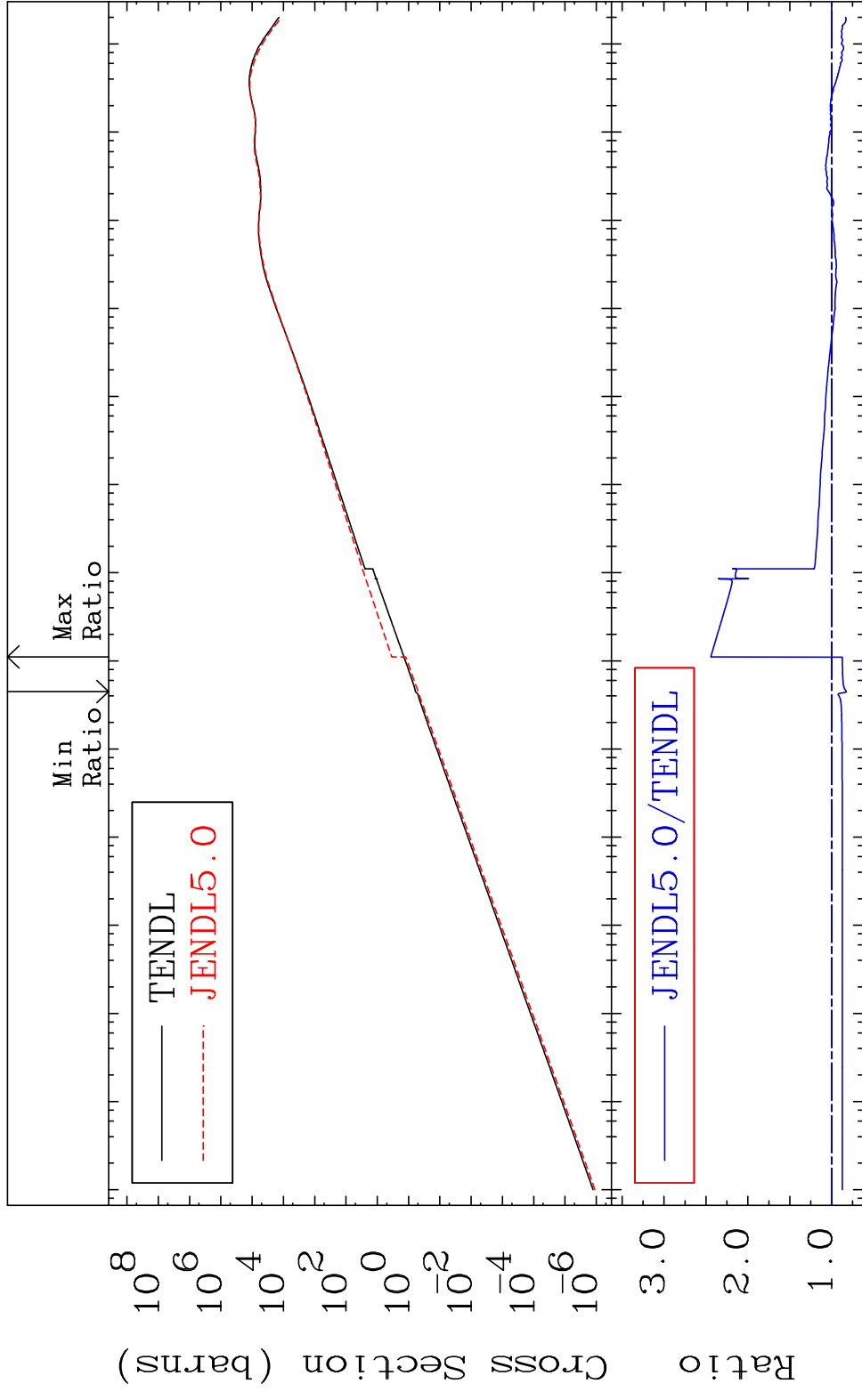
MAT 3922 Kerma total (eV-barns) 39-Y -88
 Cross Section -45.90 To 9999. %



MAT 3922

Kerma elastic
Cross Section -17.45 To 144.3 %

39-Y -88

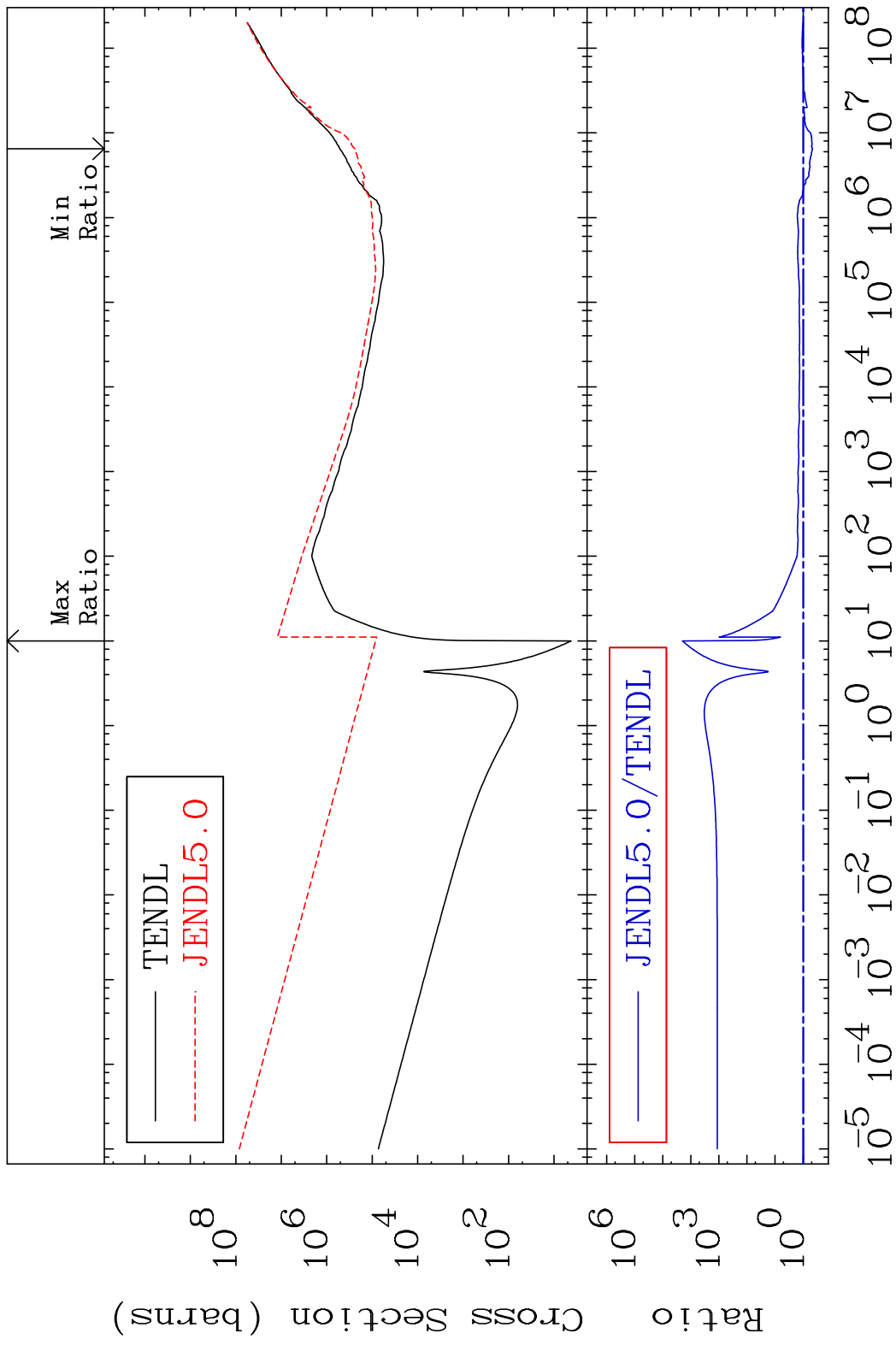


55

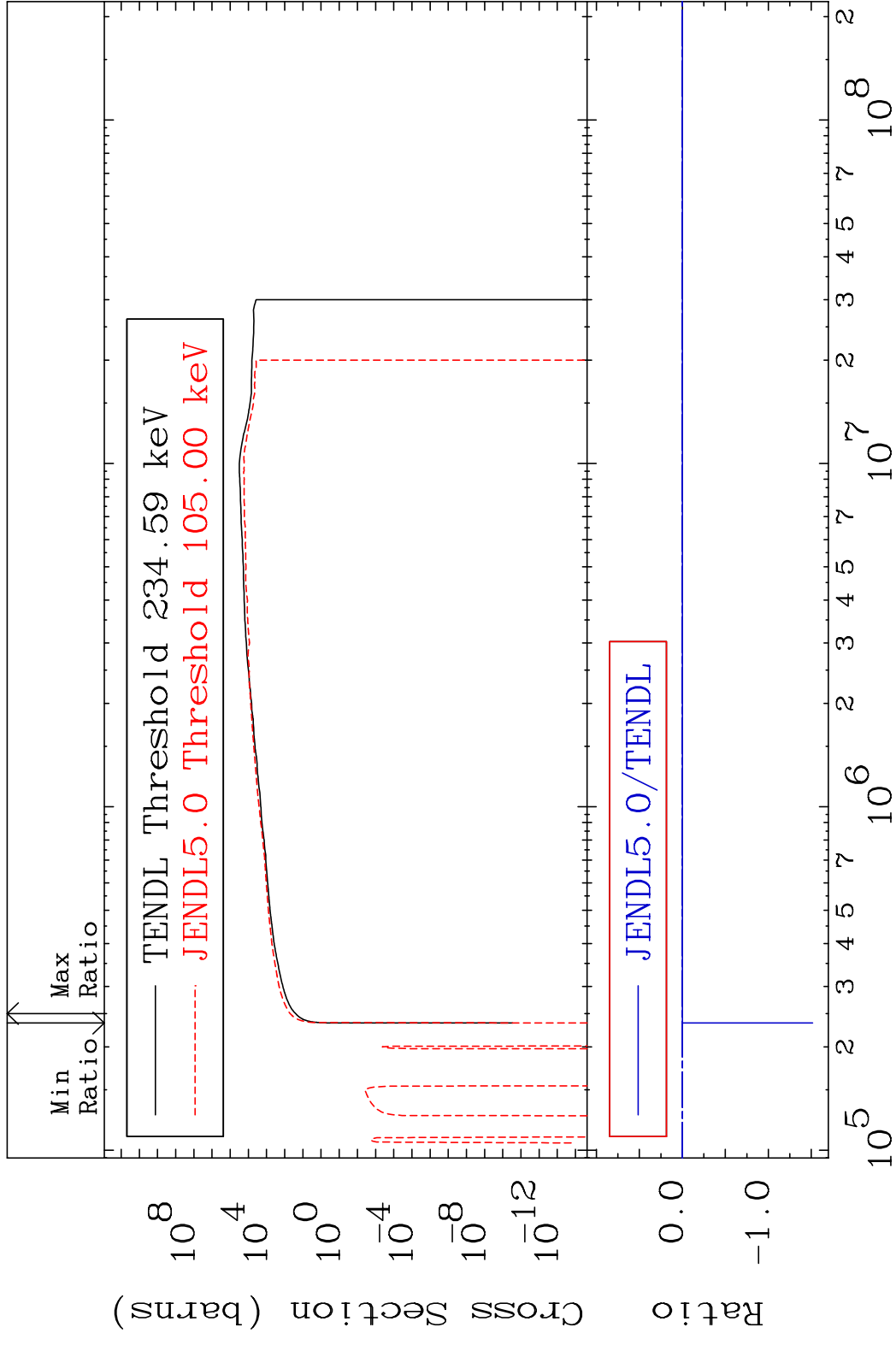
Incident Energy (eV)

39-Y -88

MAT 3922 Kerma non-elastic (all but mt2) 39-Y -88
 Cross Section -53.76 To 9999. %

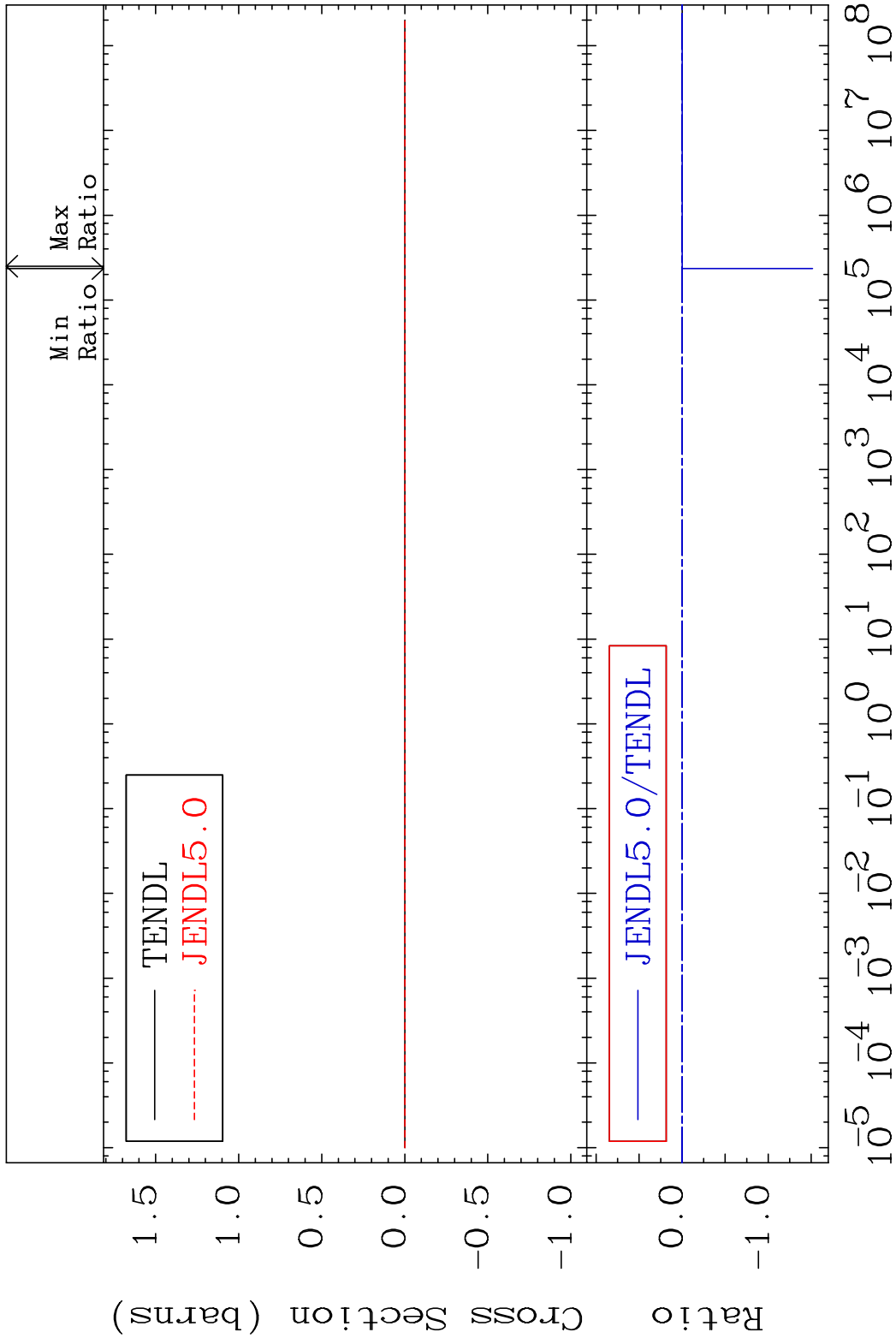


MAT 3922 Kerma inelastic (mt51-91) 39-Y -88
 Cross Section -9999. To 102.0 %

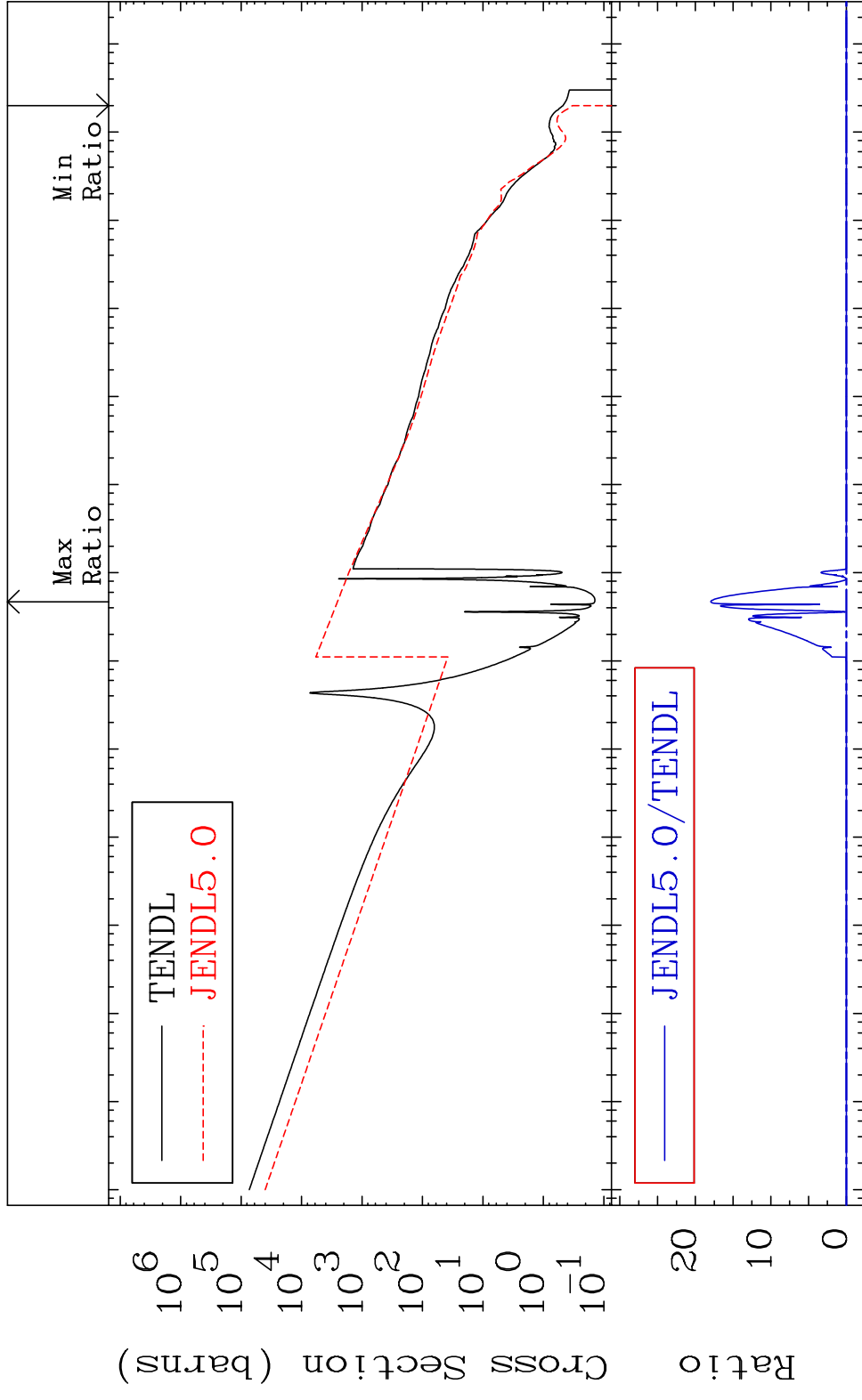


57 Incident Energy (eV) 39-Y -88

MAT 3922 Kerma fission (mt18 or mt19-20-21-38) 39-Y -88
 Cross Section -9999. To 102.0 %

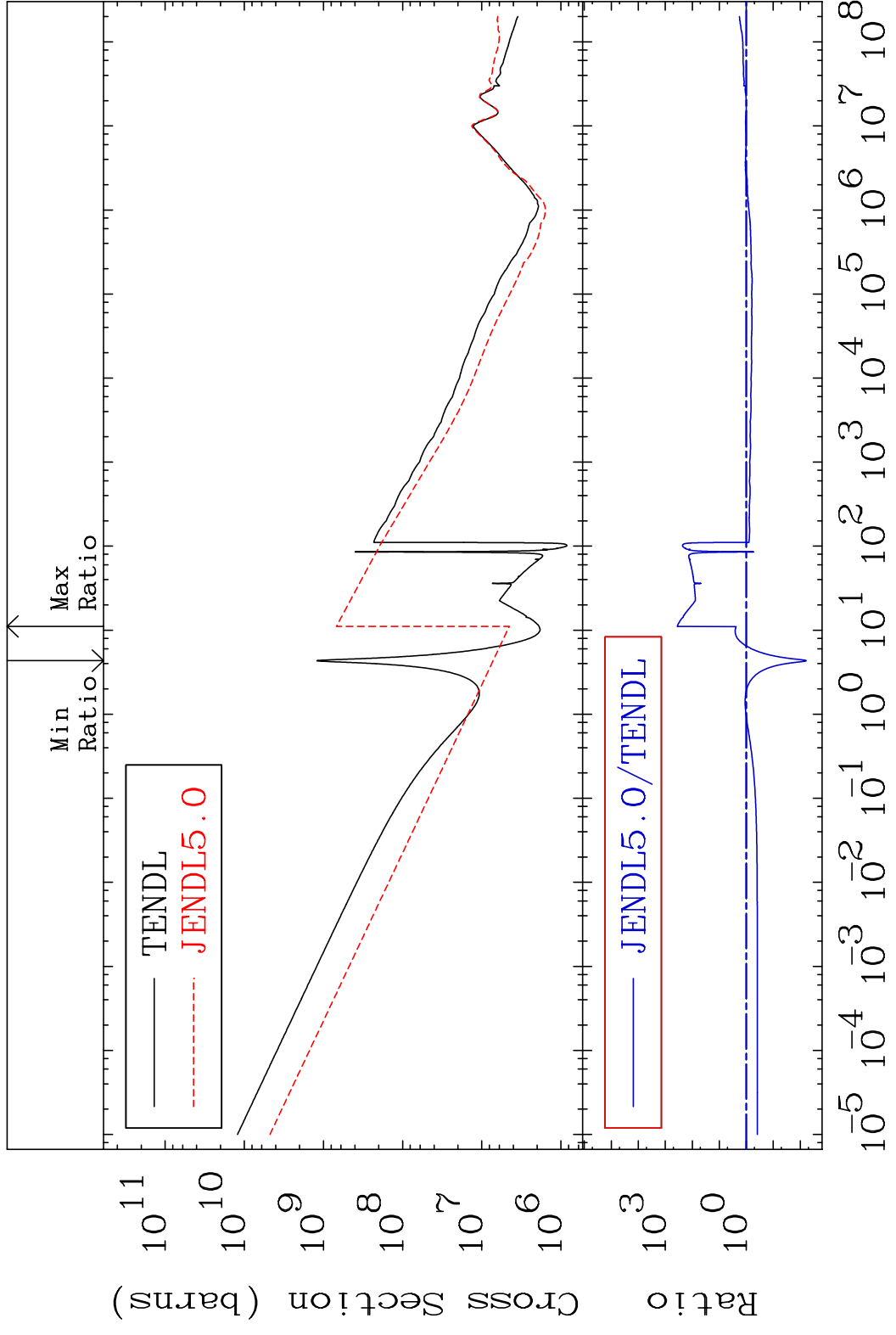


MAT 3922 Kerma capture (mt102) 39-Y -88
 Cross Section -100.0 To 9999. %



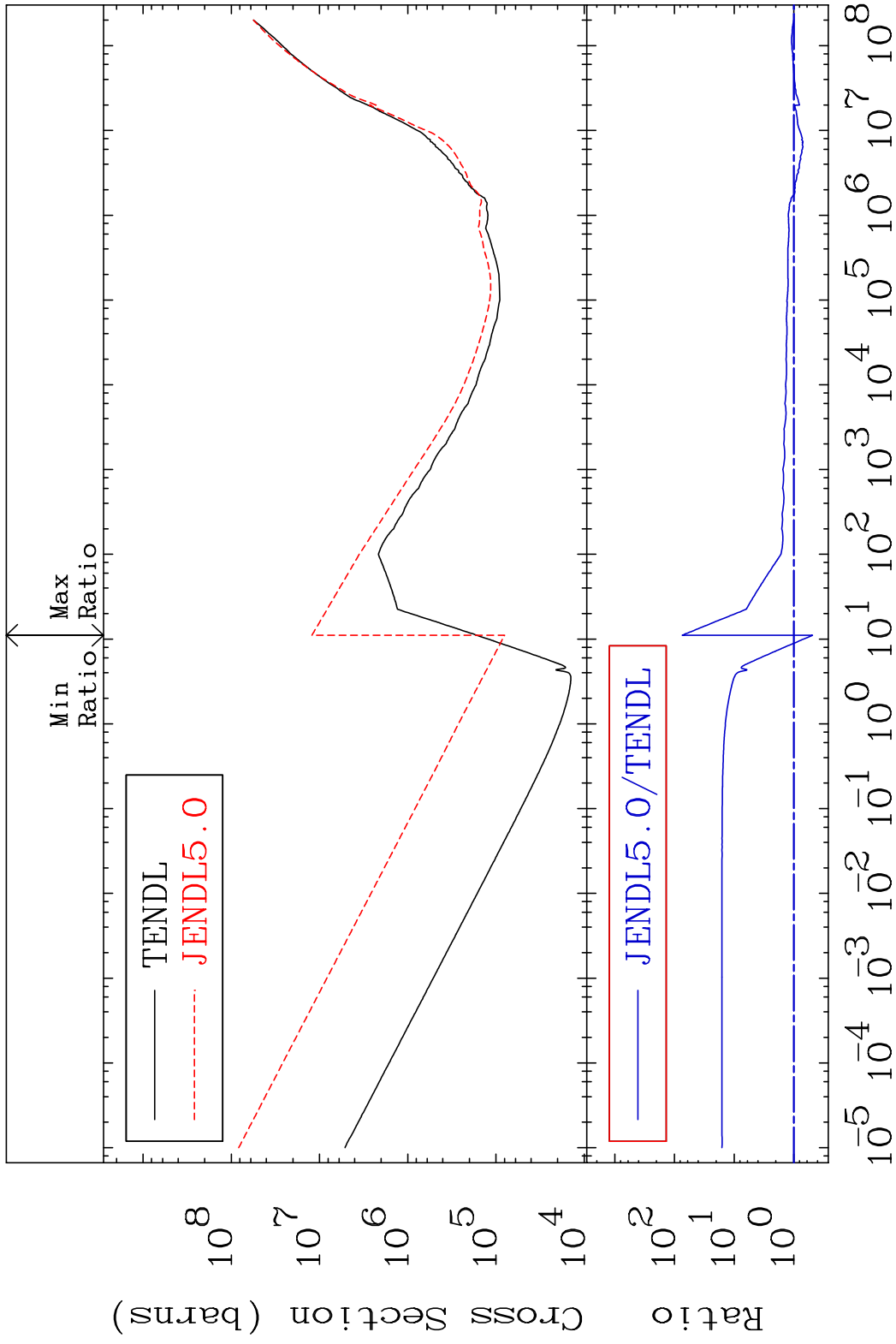
59 Incident Energy (eV) 39-Y -88

MAT 3922 Total photon (eV-barns) 39-Y -88
Cross Section -99.41 To 9999. %

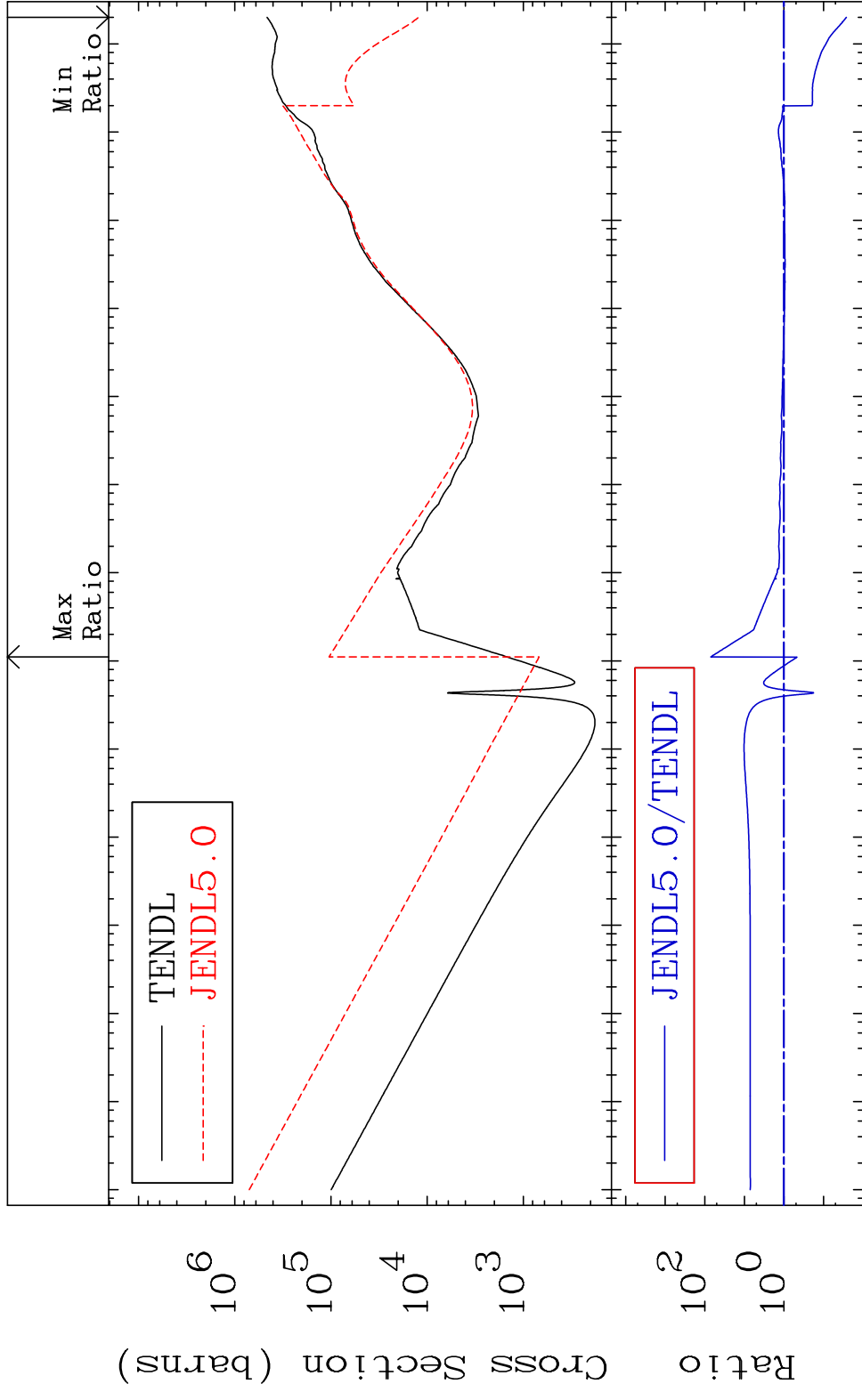


60 Incident Energy (eV) 39-Y -88

MAT 3922 Total kinematic kerma (high limit) 39-Y -88
 Cross Section -51.31 To 7329. %



MAT 3922 Dpa total (eV-barns) 39-Y -88
 Cross Section -97.33 To 7003. %



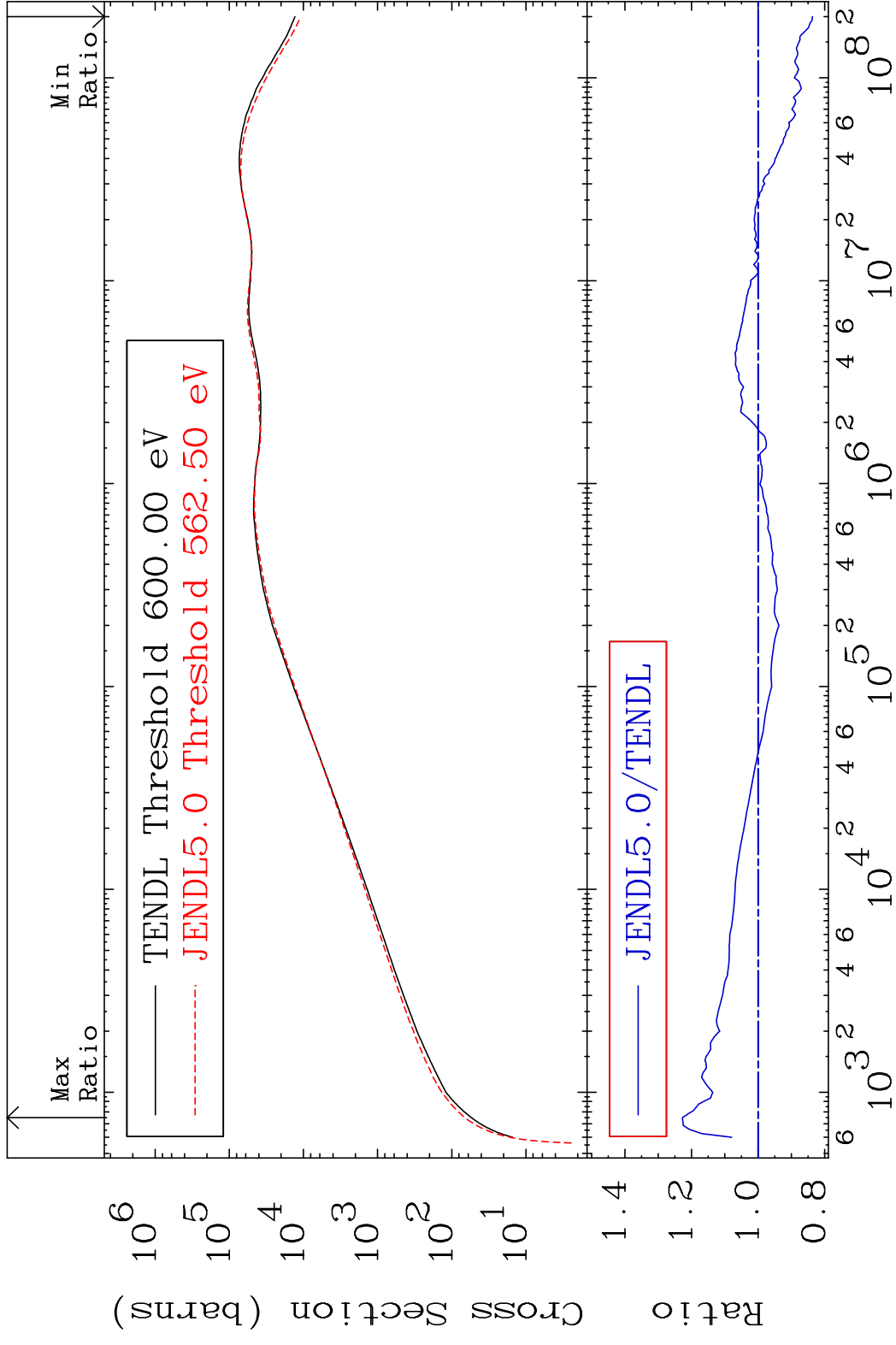
62 Incident Energy (eV) 39-Y -88

MAT 3922

Dpa elastic (mt2)

39-Y -88

Cross Section -16.37 To 22.76 %

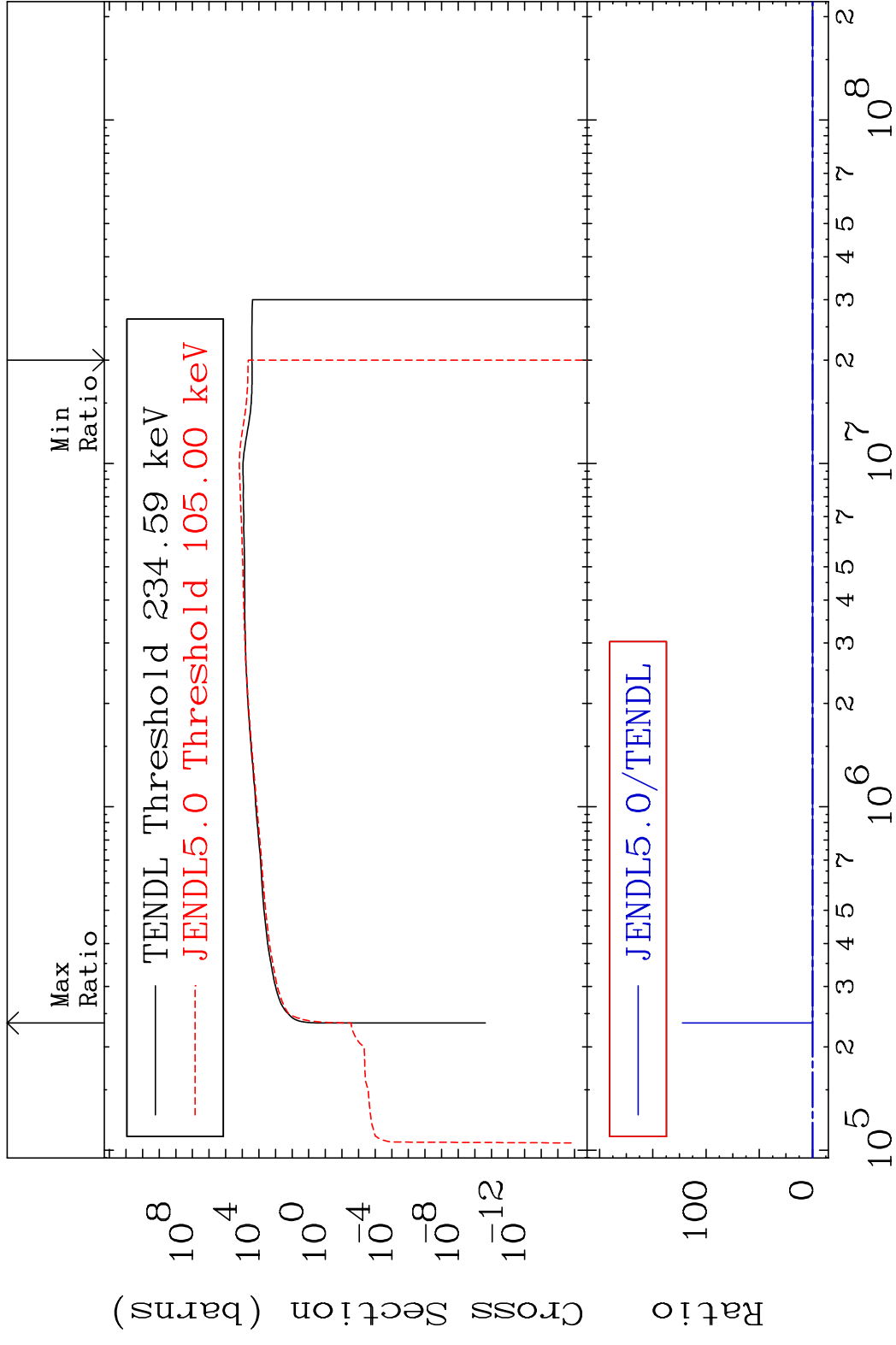


63

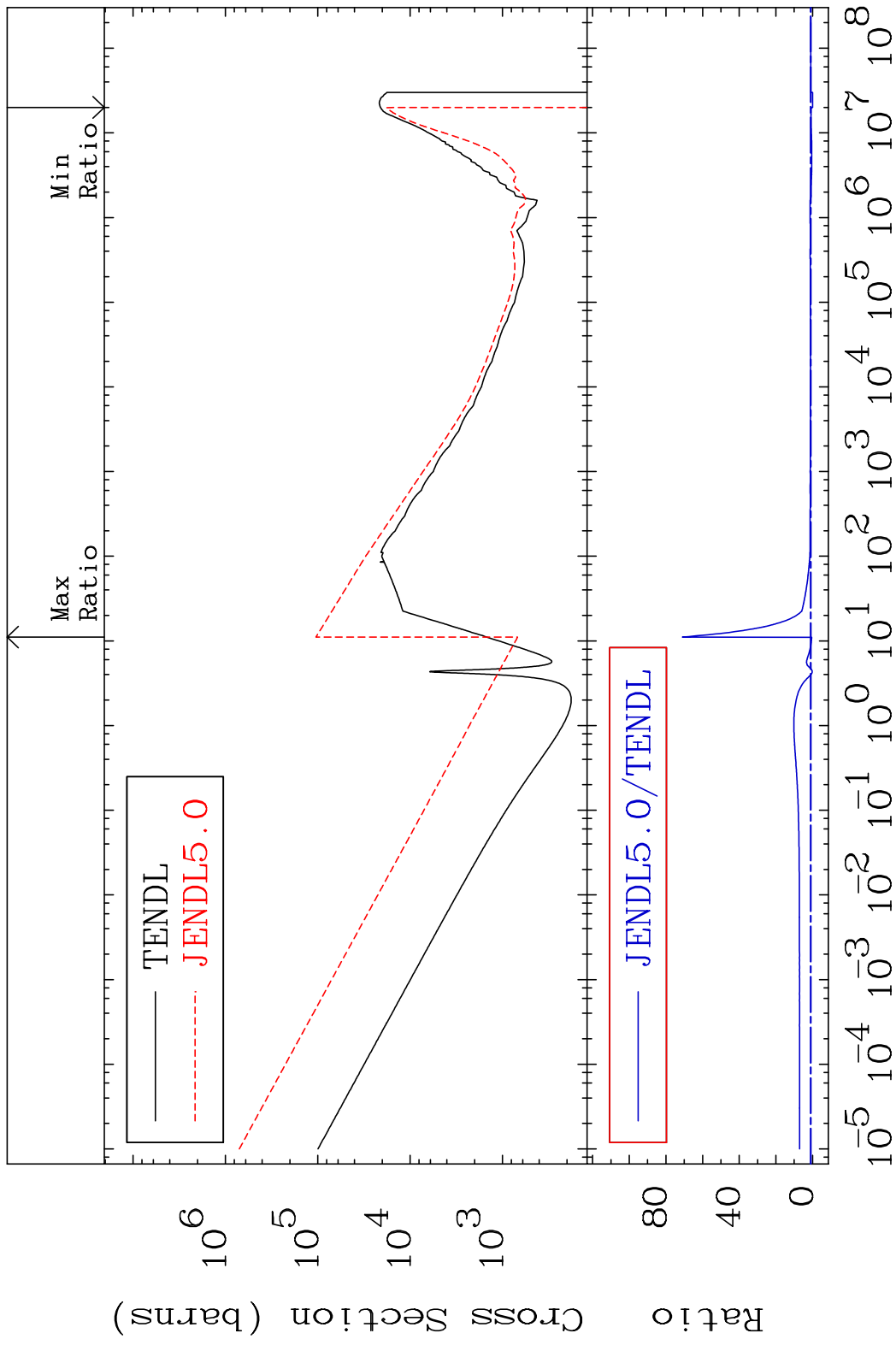
Incident Energy (eV)

39-Y -88

MAT 3922 Dpa inelastic (mt51-91) 39-Y -88
 Cross Section -100.0 To 9999. %

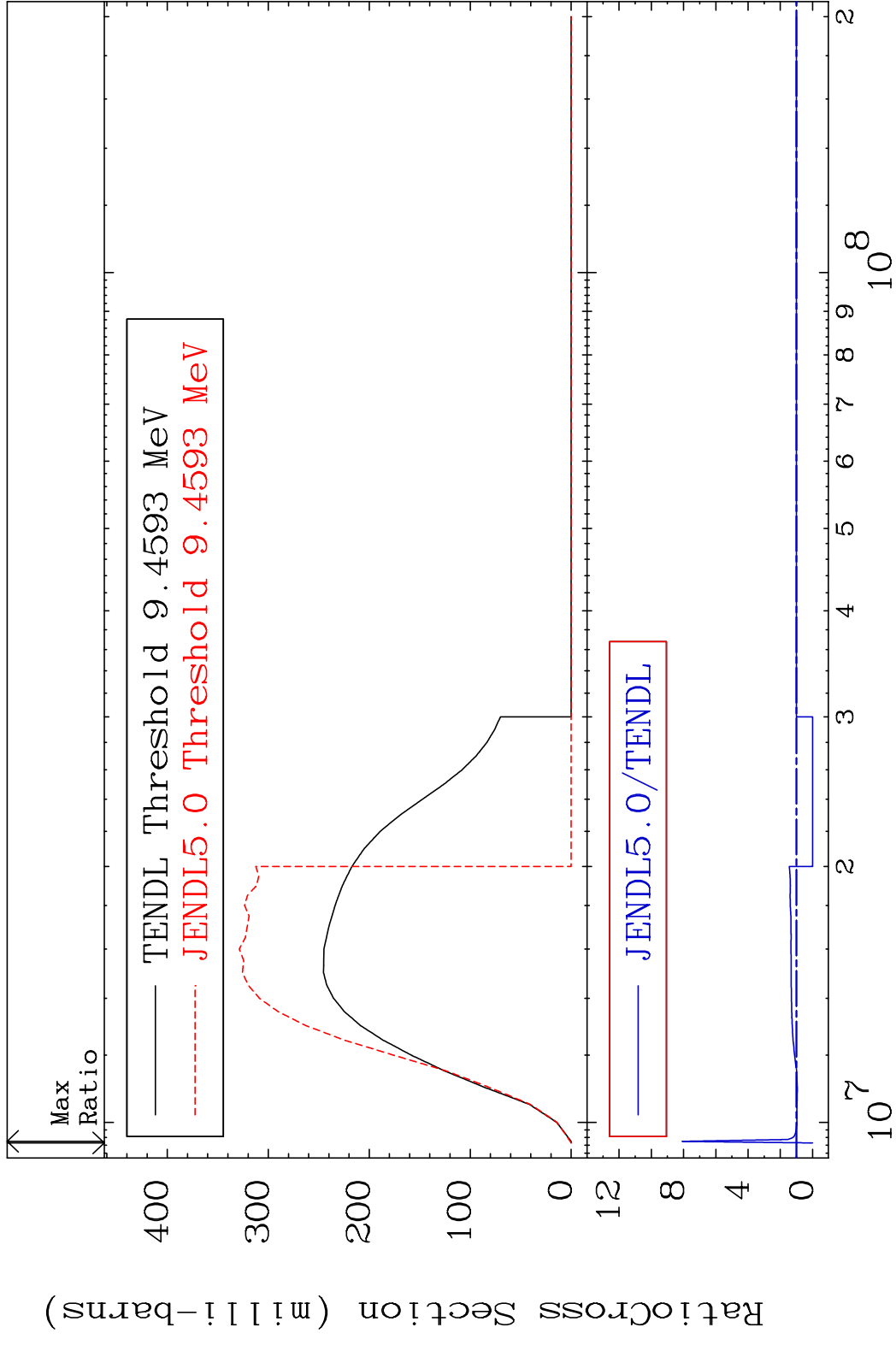


MAT 3922 Dpa disappearance (mt102 -120) 39-Y -88
 Cross Section -100.0 To 7003. %

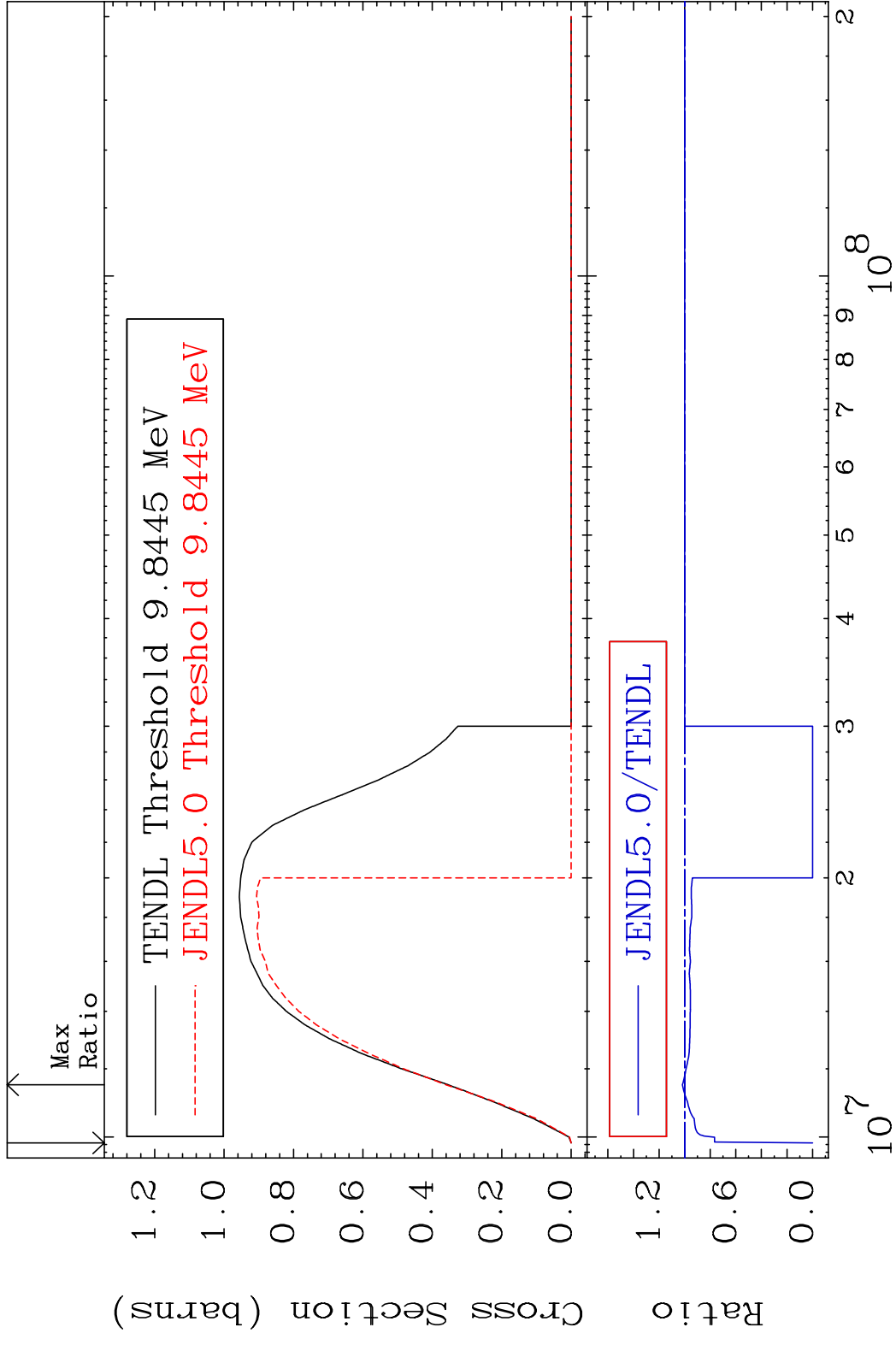


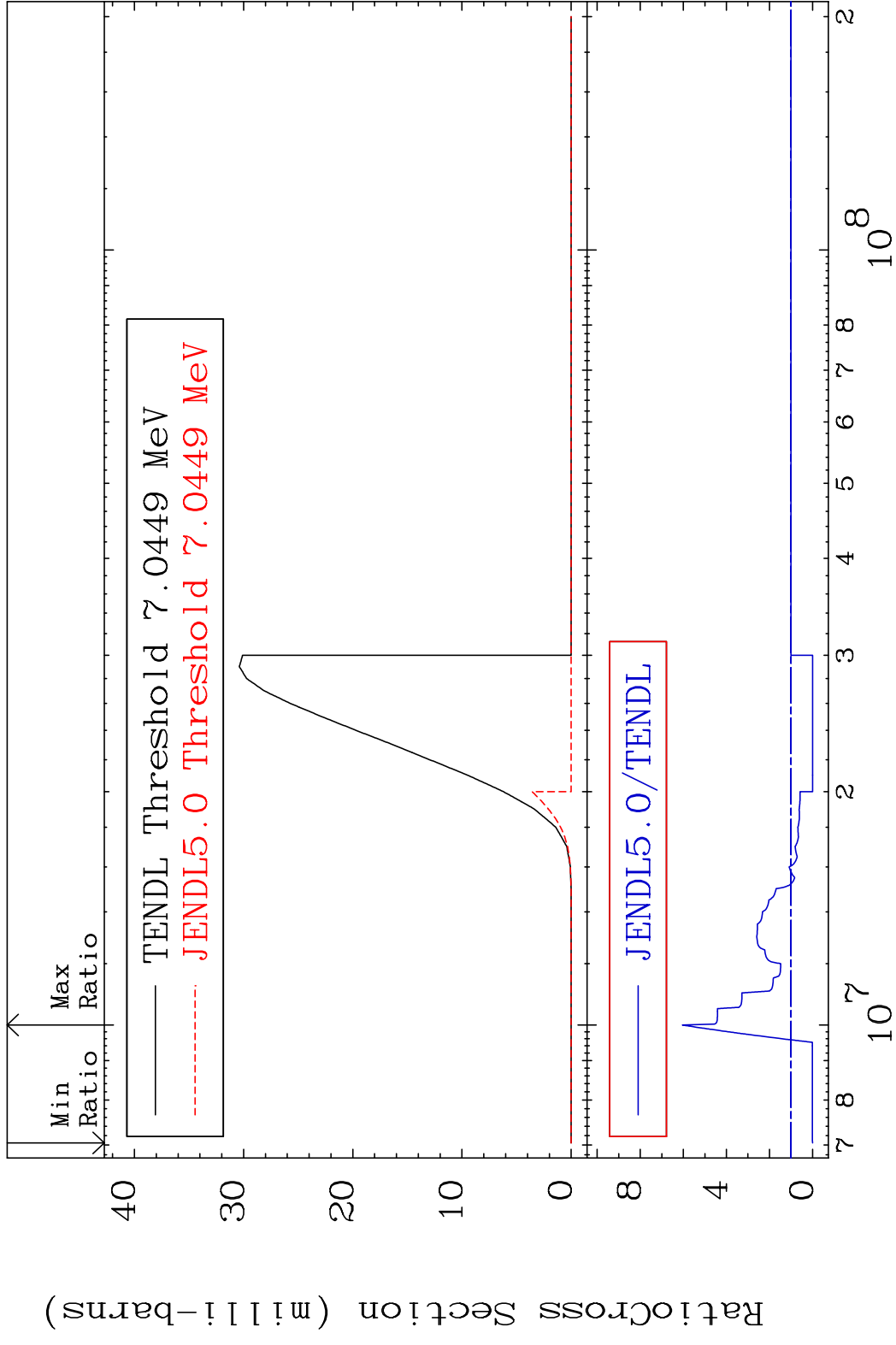
65 Incident Energy (eV) 39-Y -88

MAT 3922 (n,2n):39-Y -87g 39-Y -88
 Radionuclide Production Cross Section Ratio 707.5 %

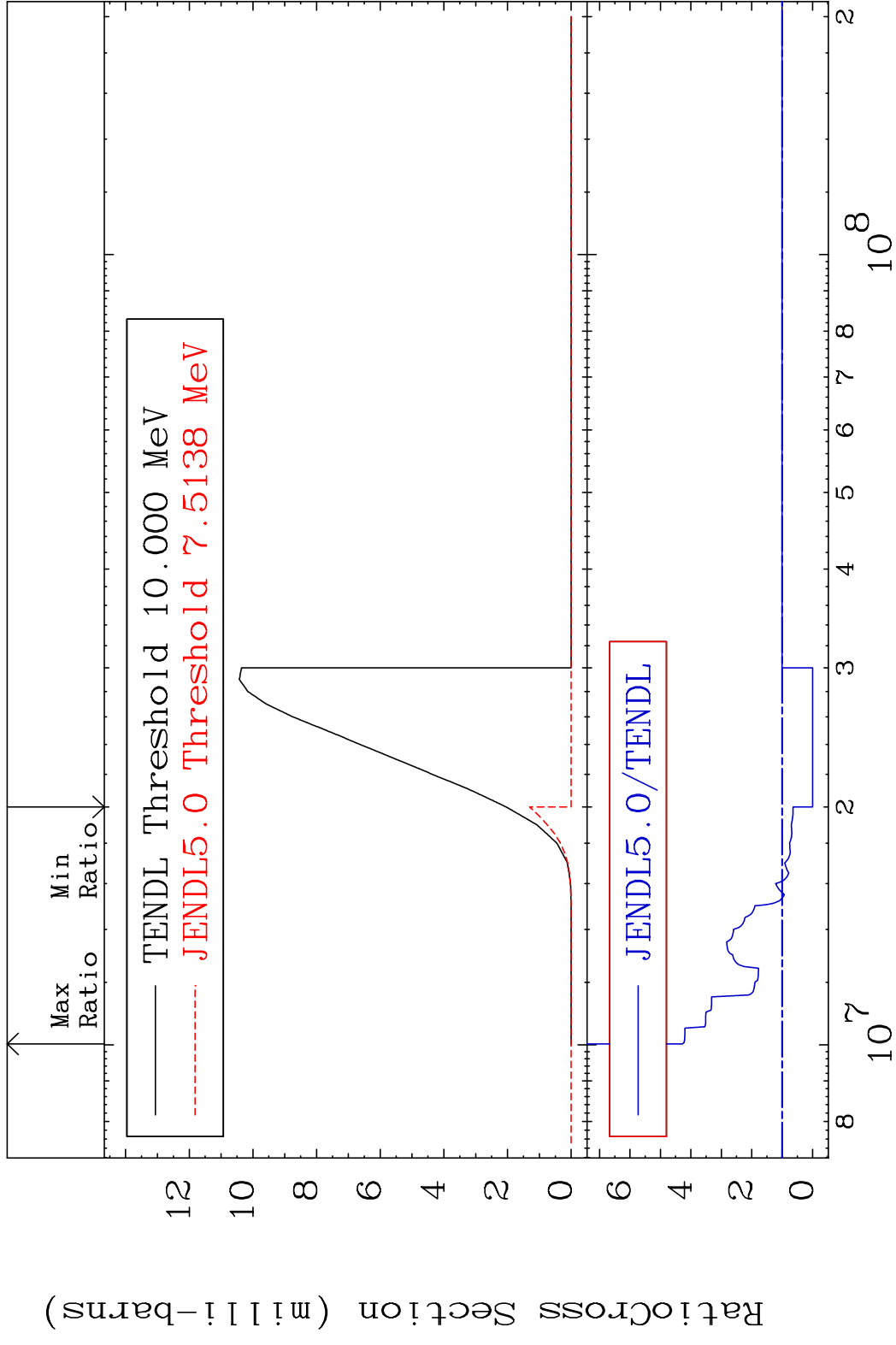


MAT 3922 (n,2n):39-Y -87m1 39-Y -88
 Radionuclide Production Cross Section Ratio 1.798 %

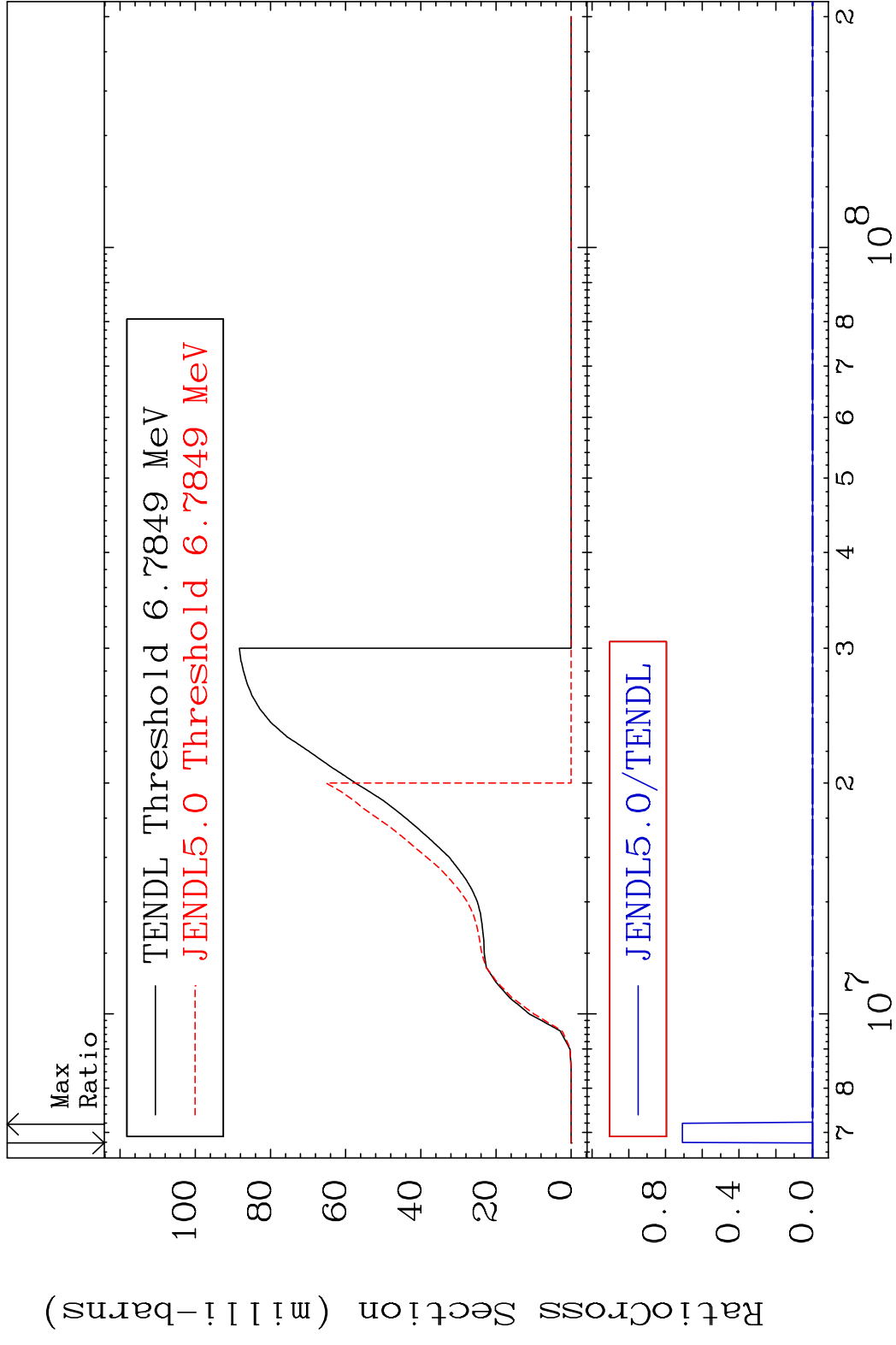




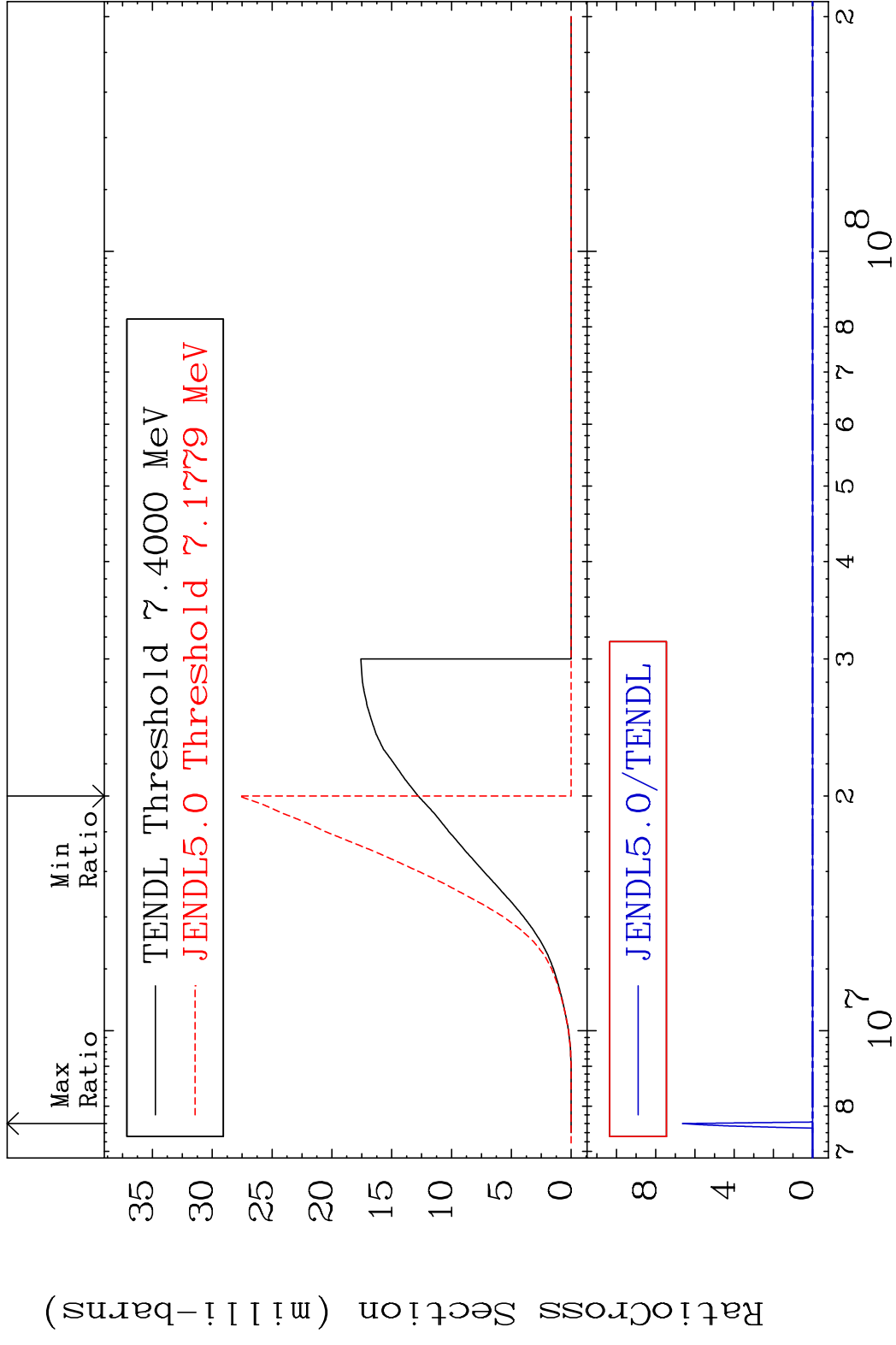
MAT 3922 (n, n') α :37-Rb-84m2 39-Y -88
 Radionuclide Production Cross Section 180.0 dth 328.0 %



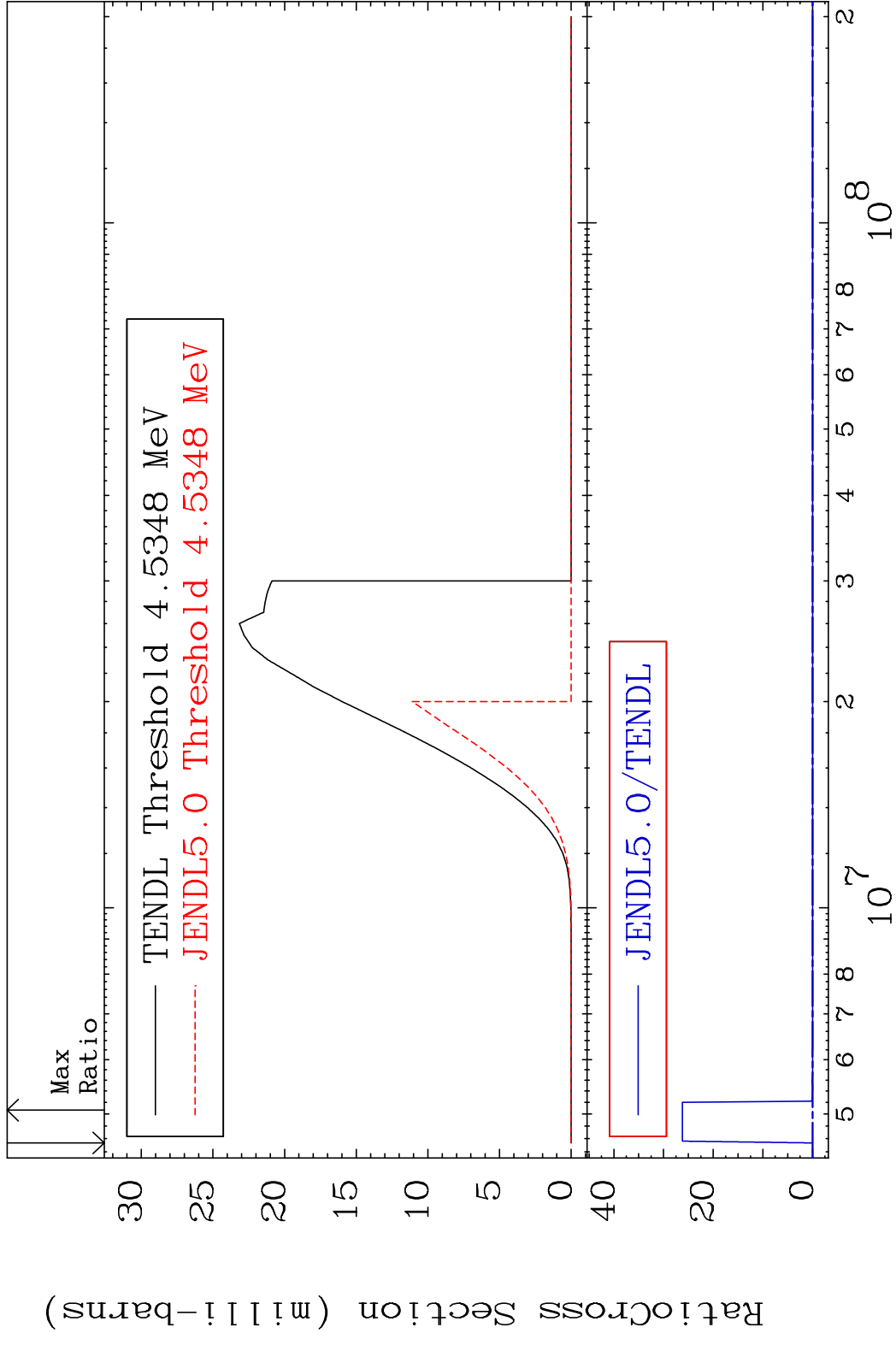
MAT 3922 (n, n') p:38-Sr-87g 39-Y -88
 Radionuclide Production Cross Section 100.000000 9999. %

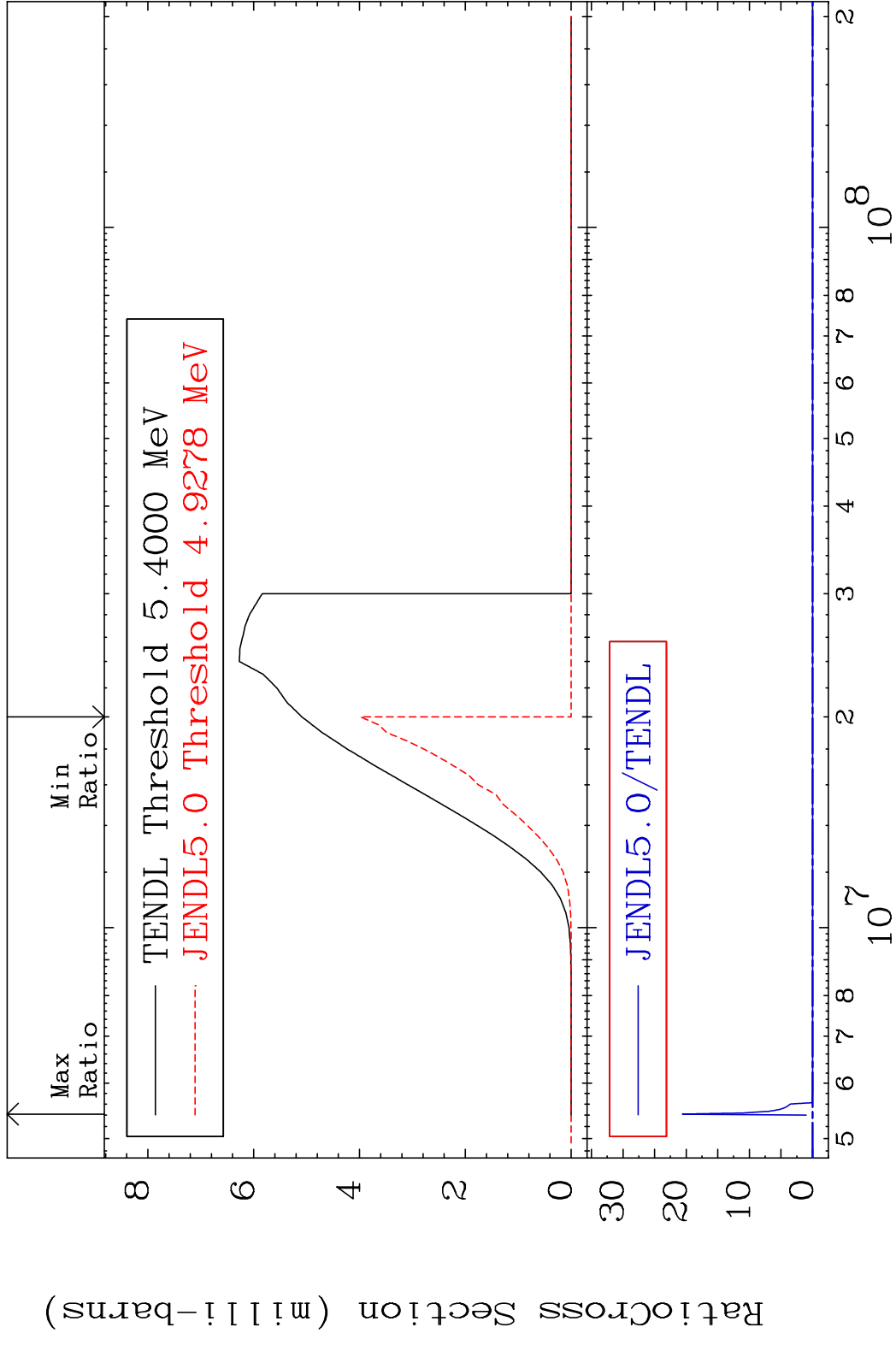


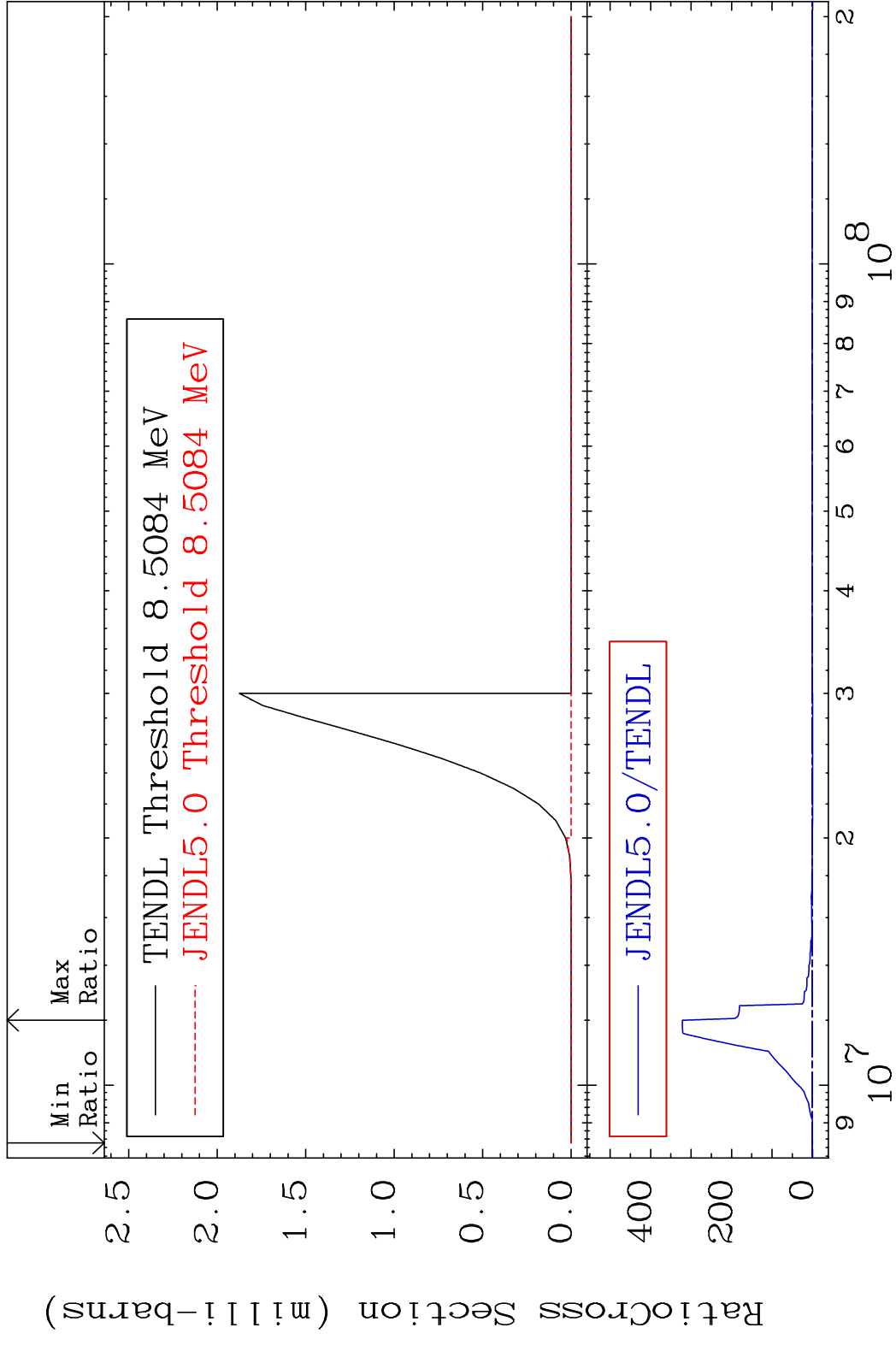
70 Incident Energy (eV) 39-Y -88

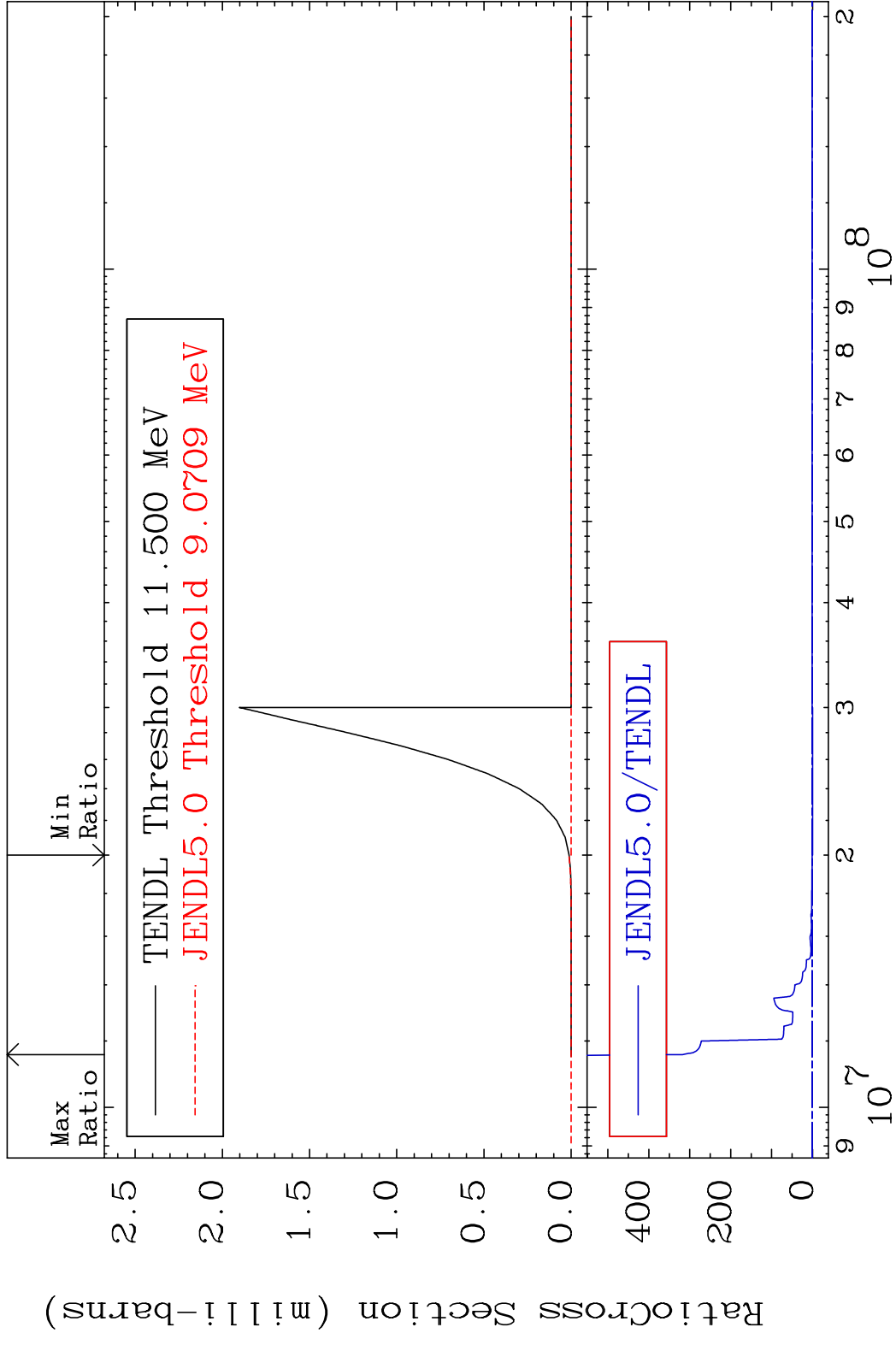


MAT 3922 (n, d):38-Sr-87g 39-Y -88
 Radionuclide Production Cross Section (%)

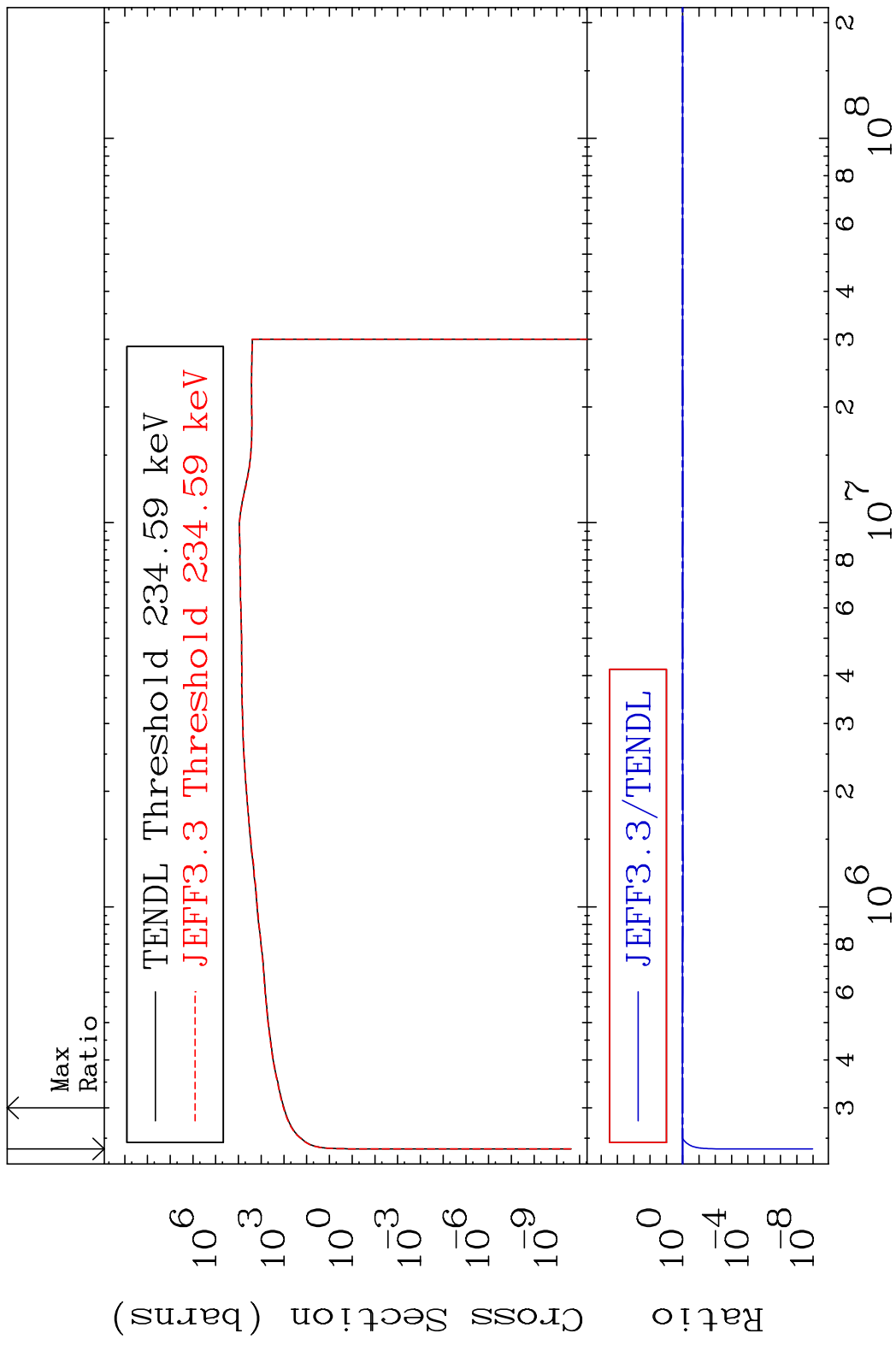




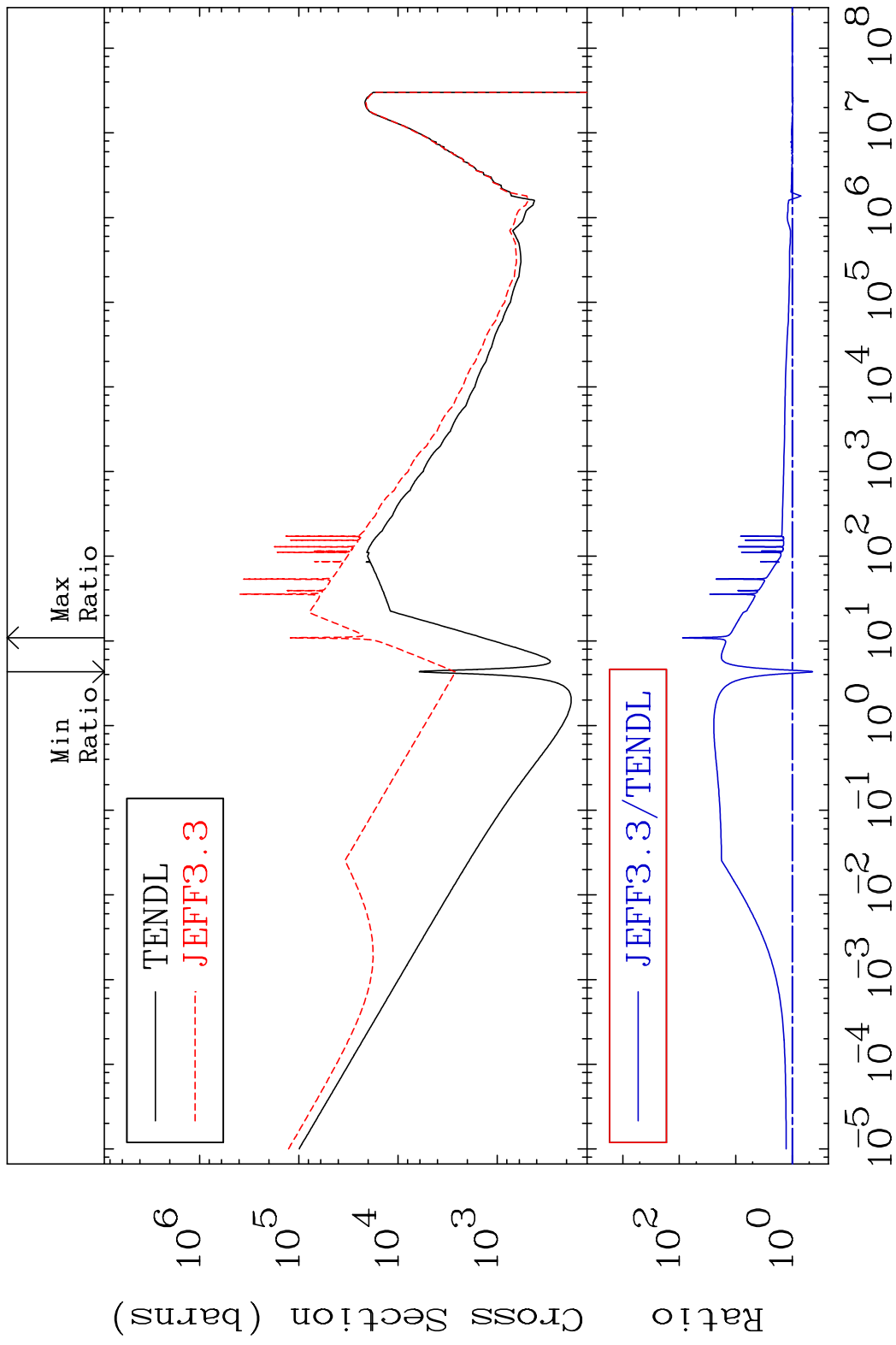


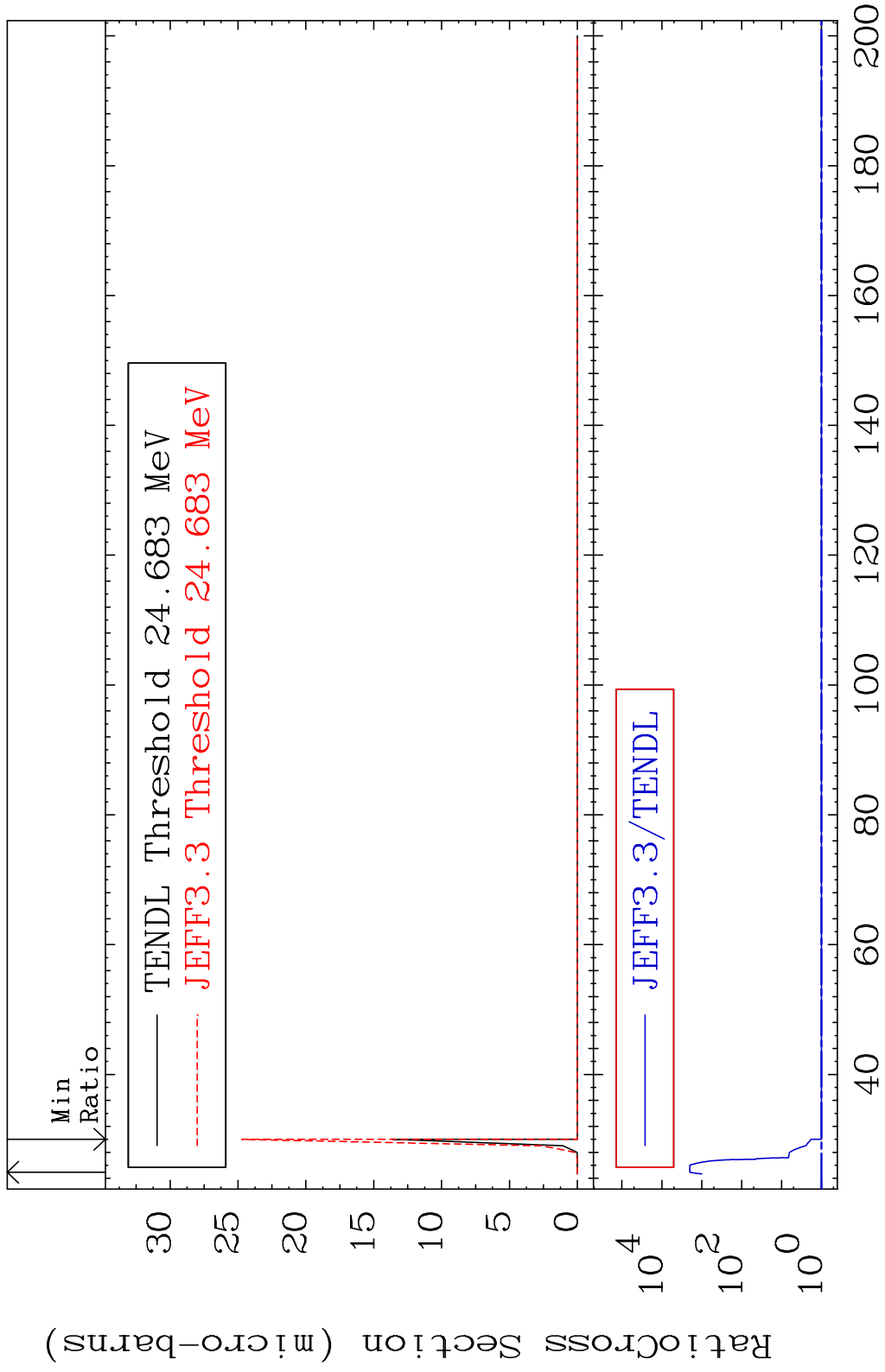


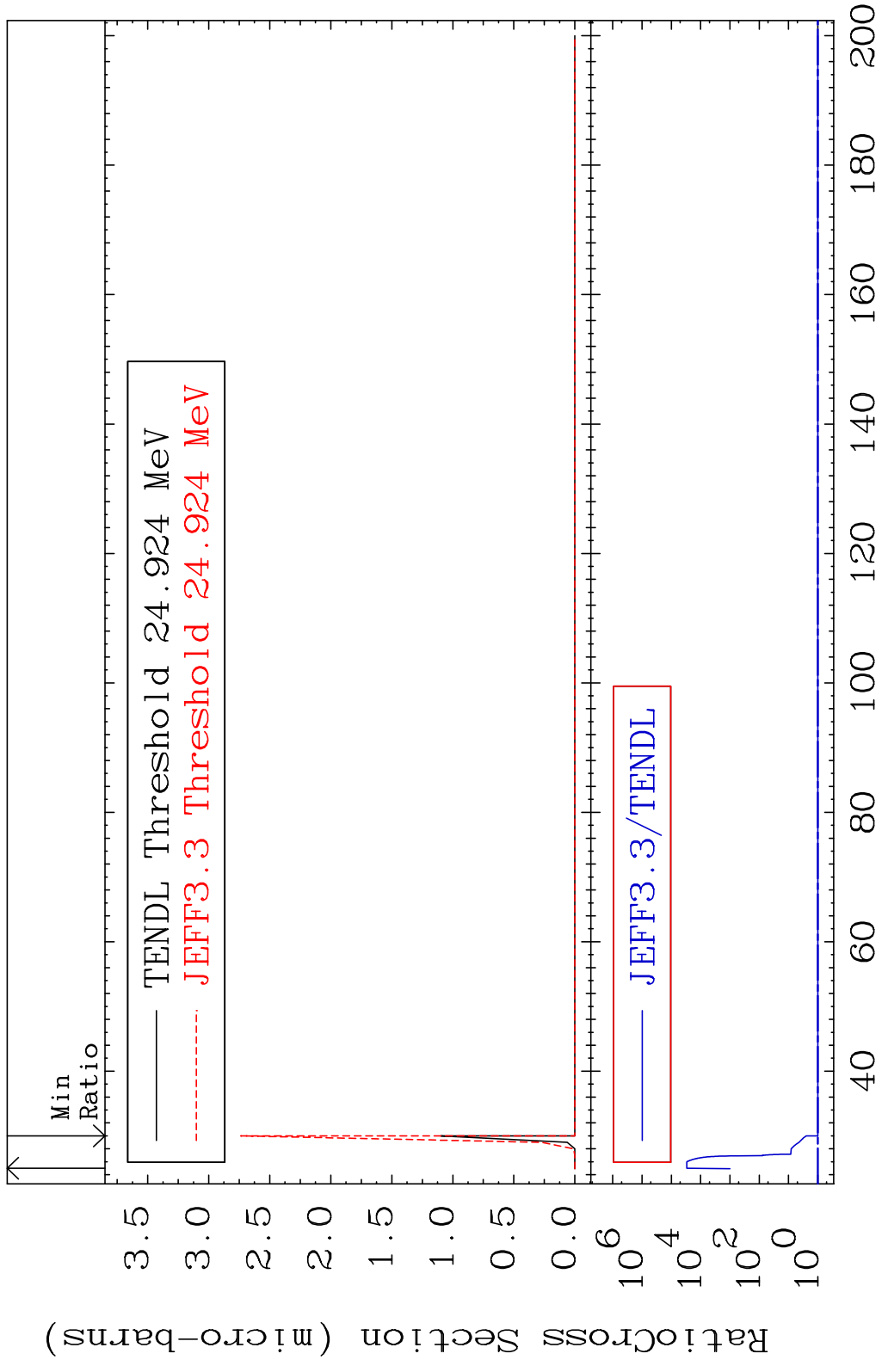
MAT 3922 Dpa inelastic (mt51-91) 39-Y -88
 Cross Section -100.0 To 4.792 %



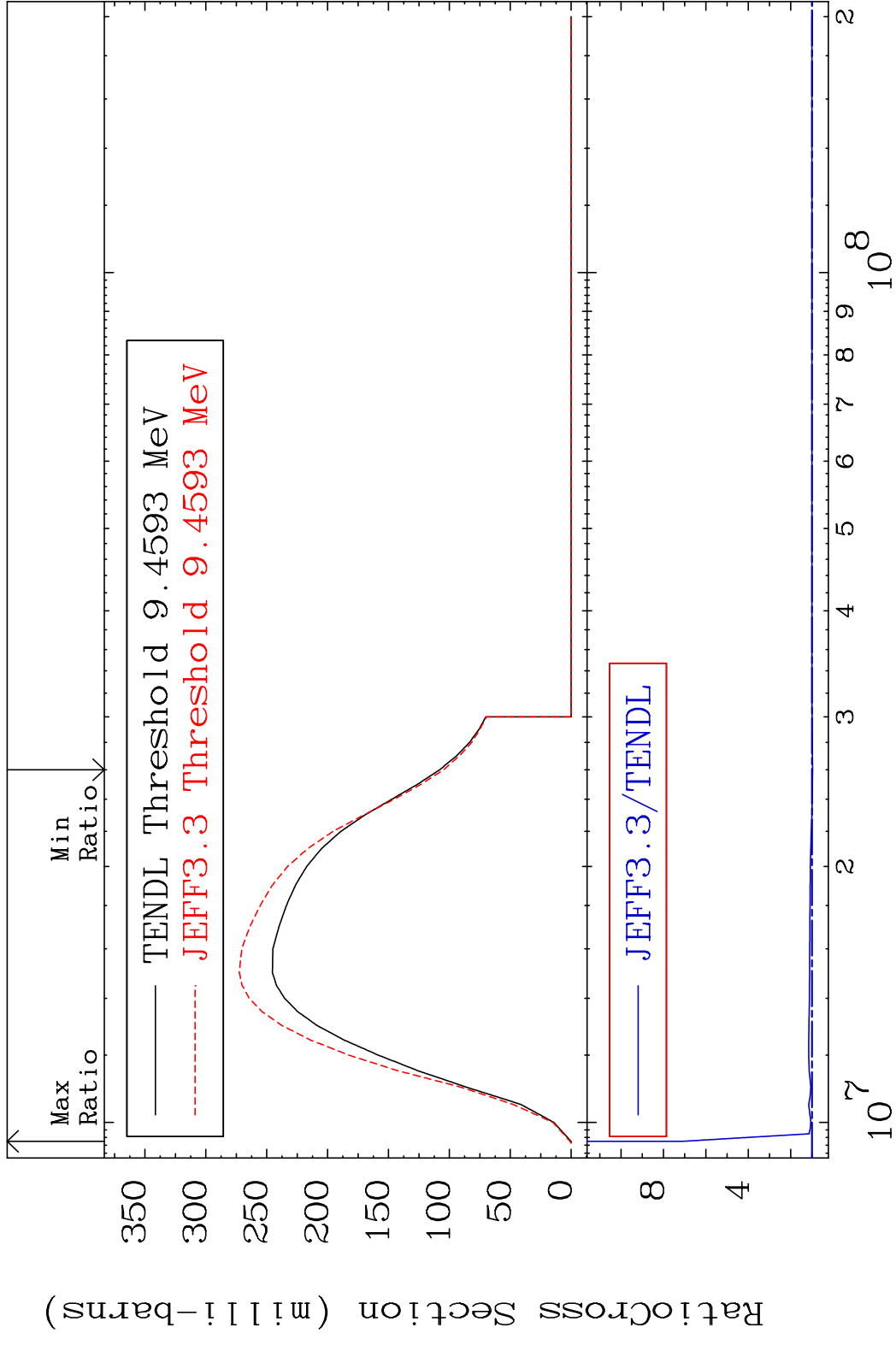
MAT 3922 Dpa disappearance (mt102 -120) 39-Y -88
 Cross Section -56.39 To 8706. %





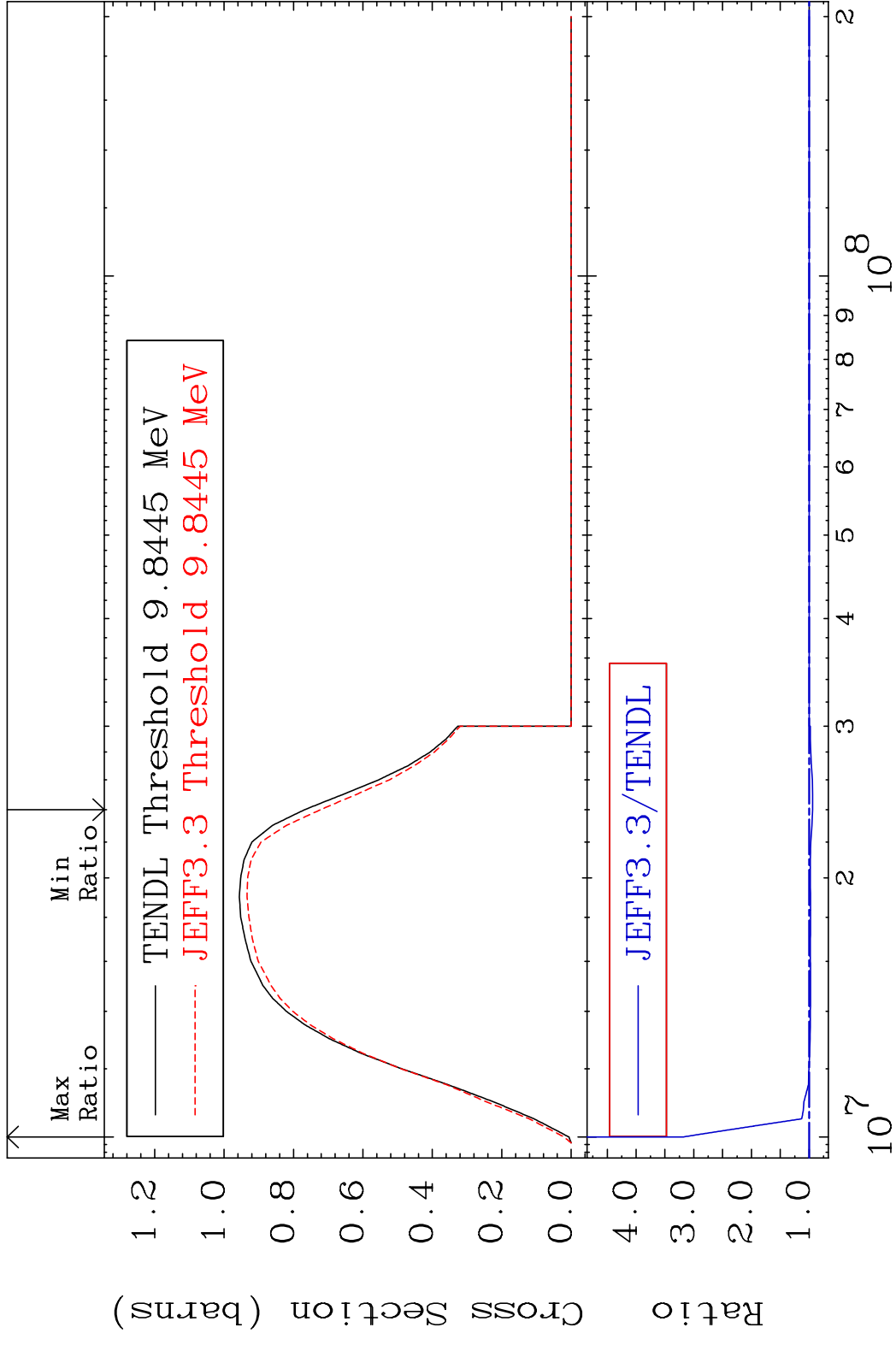


MAT 3922 (n,2n):39-Y -87g 39-Y -88
 Radionuclide Production Cross Section 611.1 %



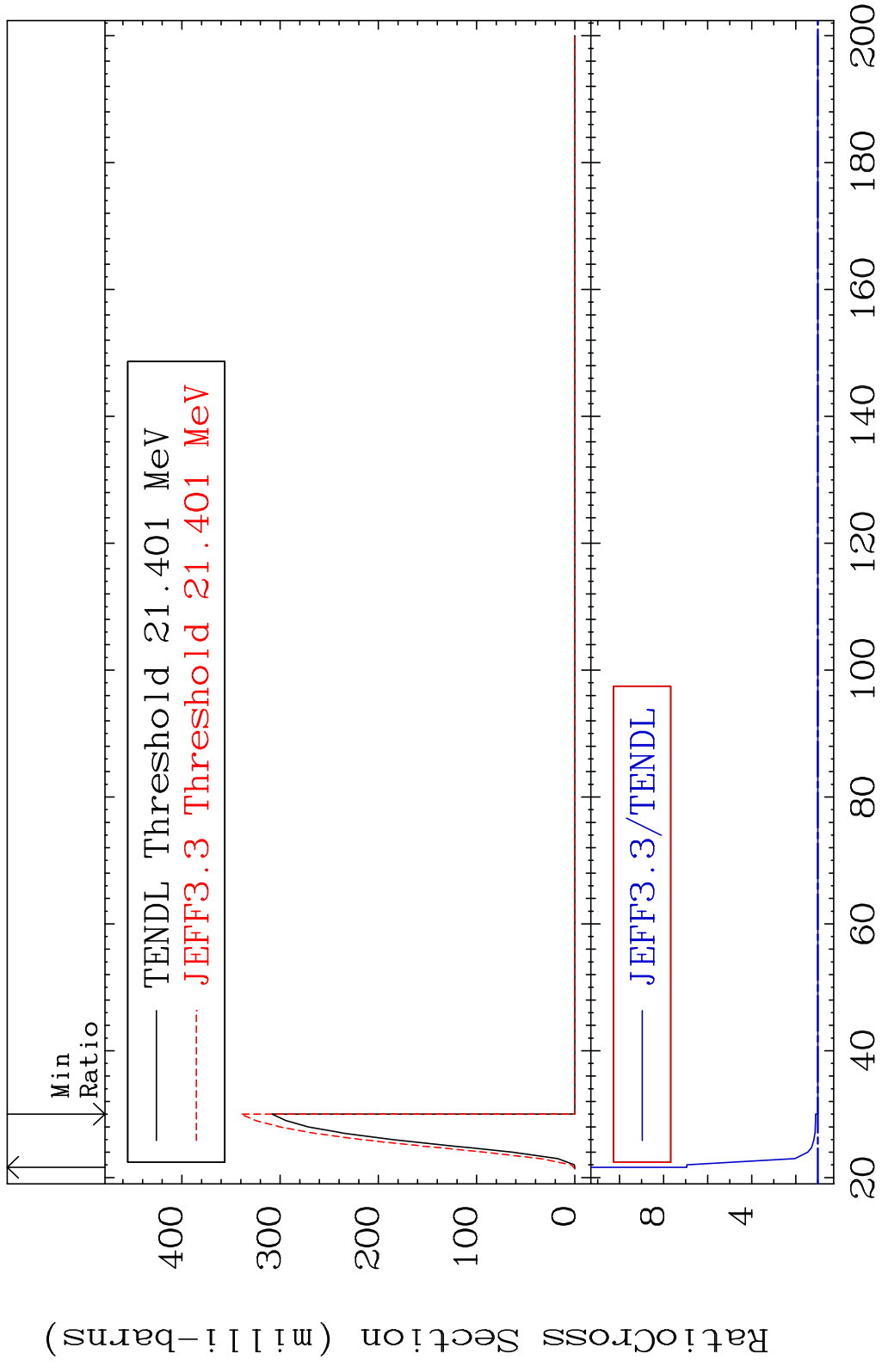
80 39-Y -88

MAT 3922 (n,2n):39-Y -87m1 39-Y -88
 Radionuclide Production Cross-Section 219.8 %



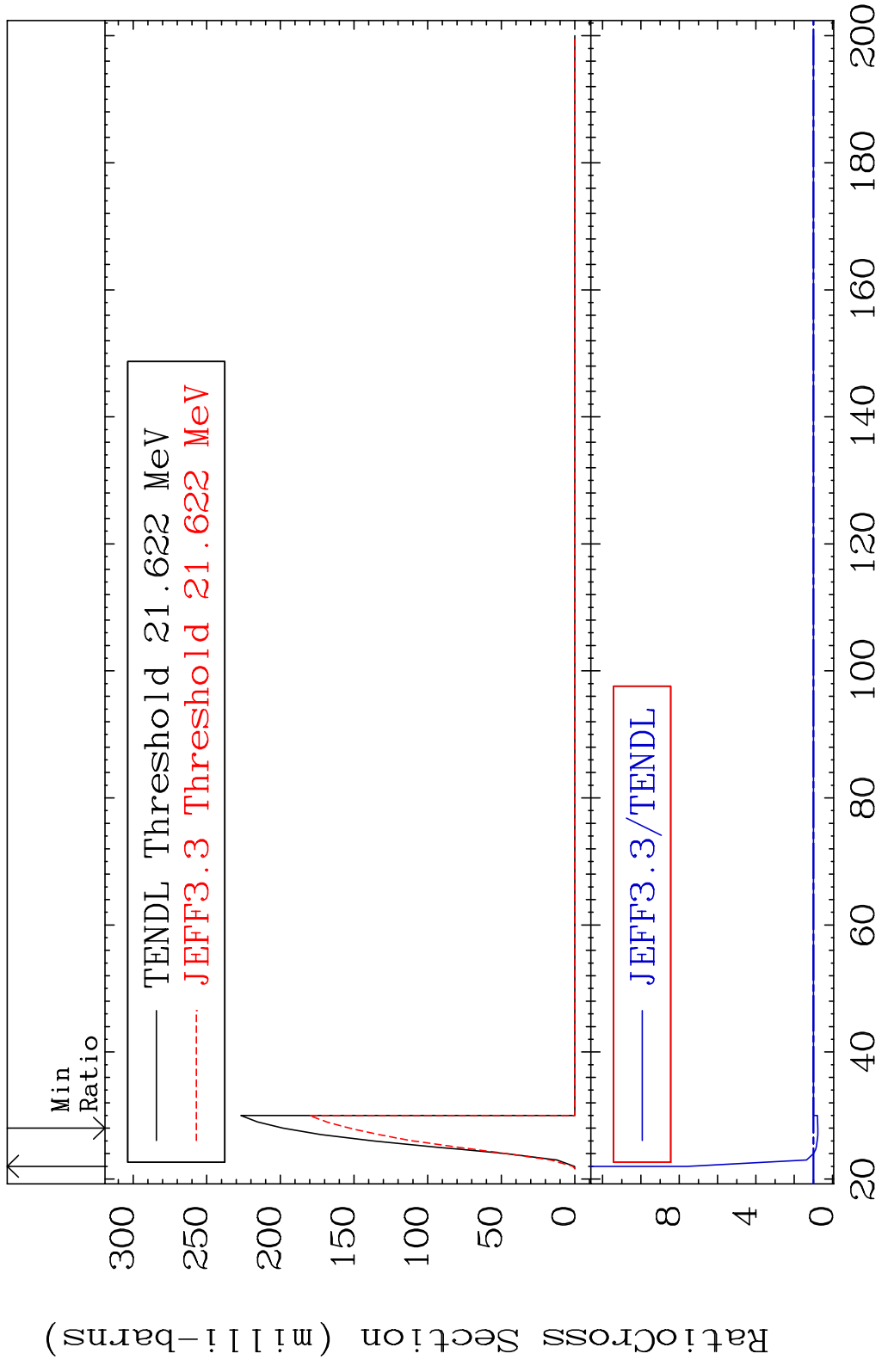
81 Incident Energy (eV) 39-Y -88

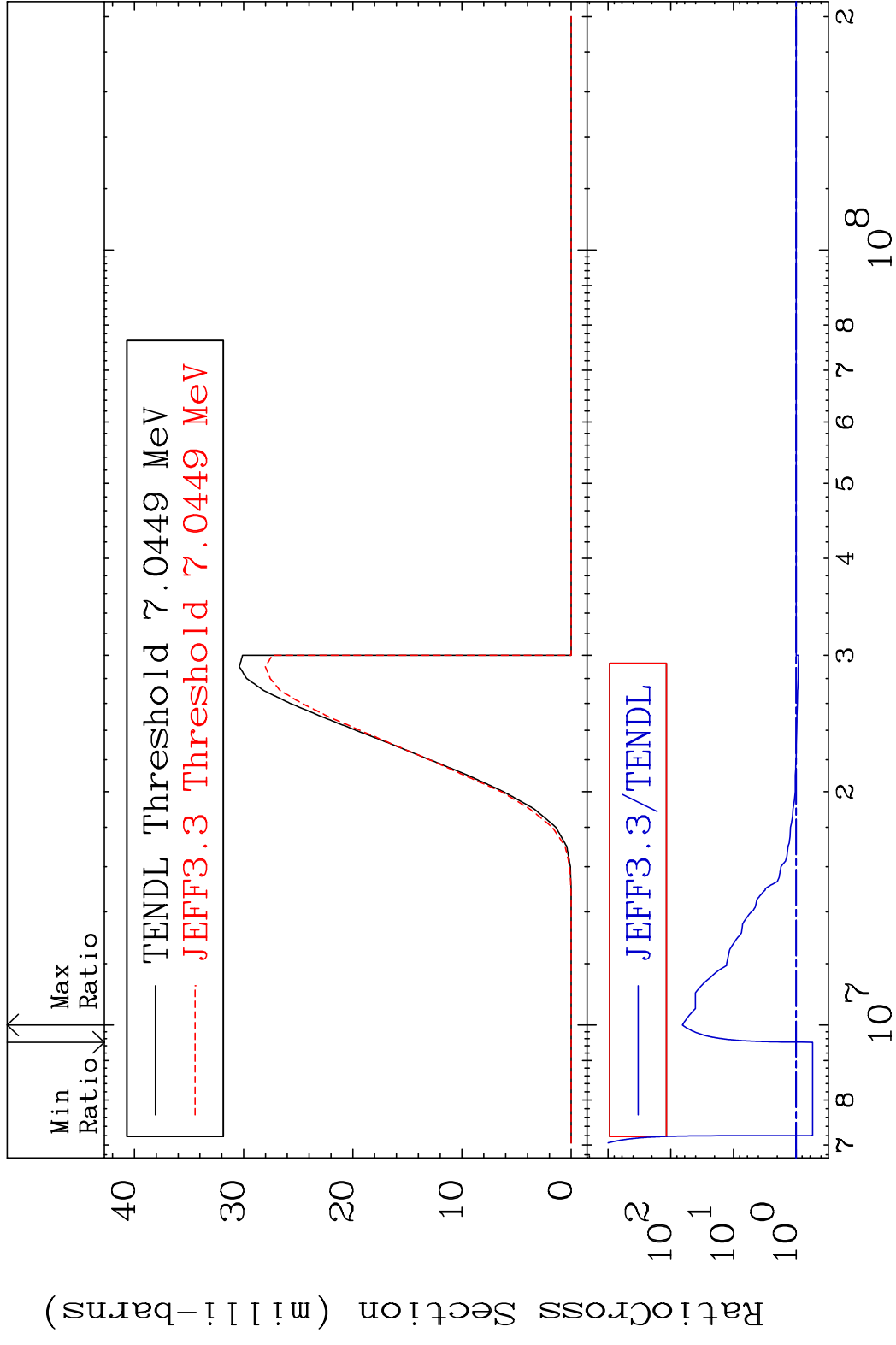
MAT 3922 (n,3n):39-Y -86g 39-Y -88
 Radionuclide Production Cross Section 595.2 %

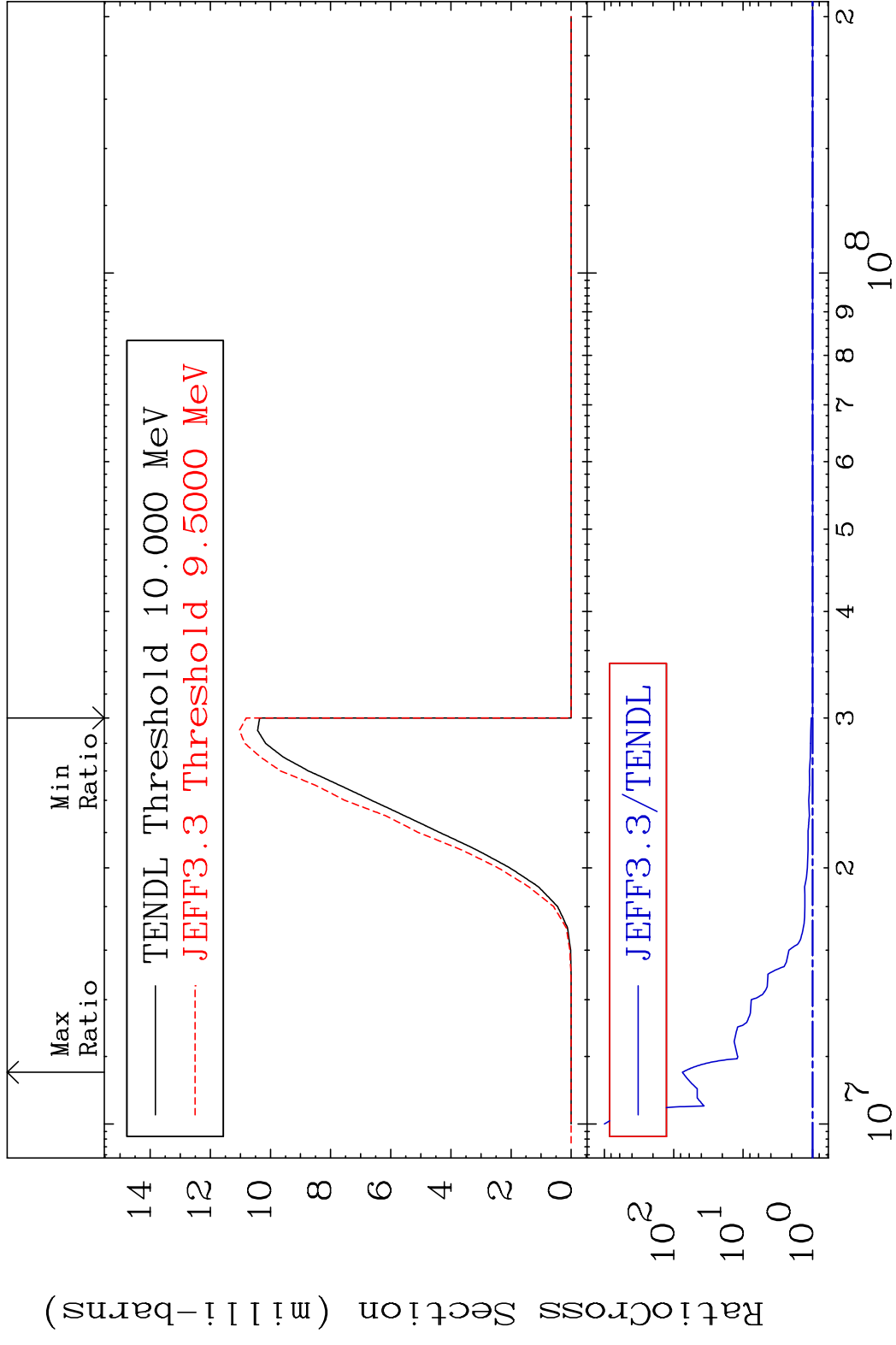


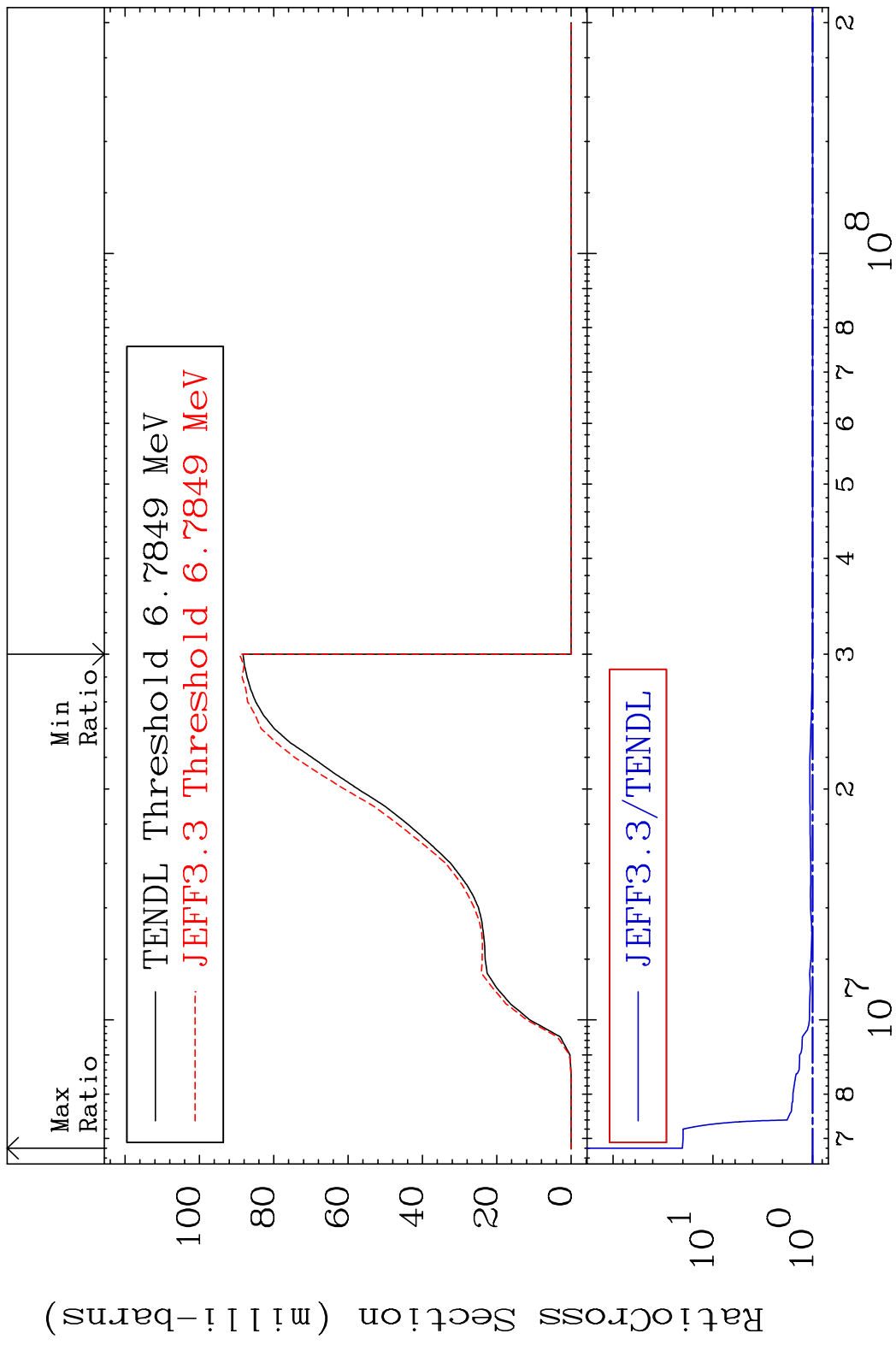
82 Incident Energy (MeV) 39-Y -88

MAT 3922 (n,3n):39-Y -86m2 39-Y -88
 Radionuclide Production Cross Section 661.0 %

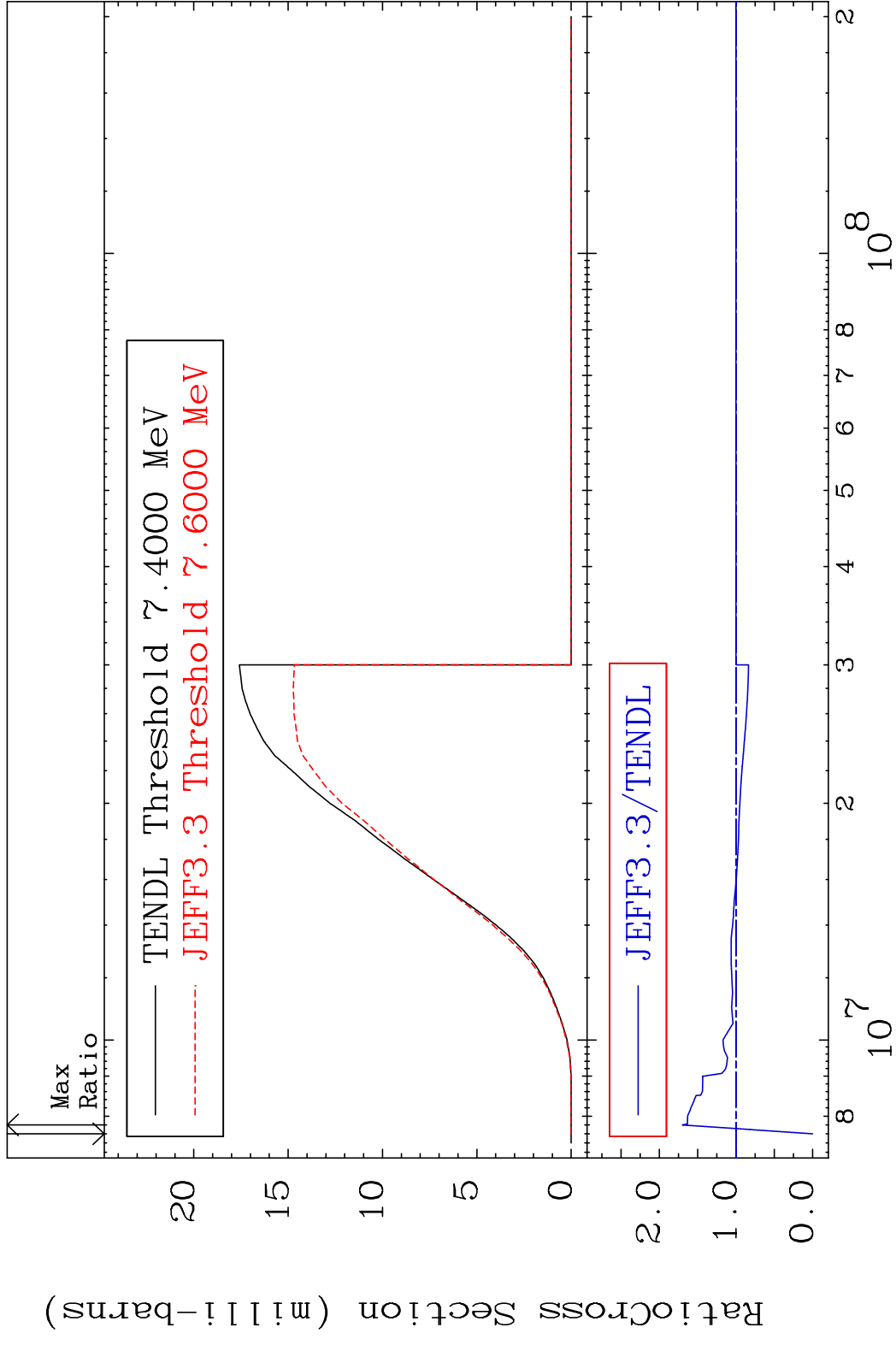


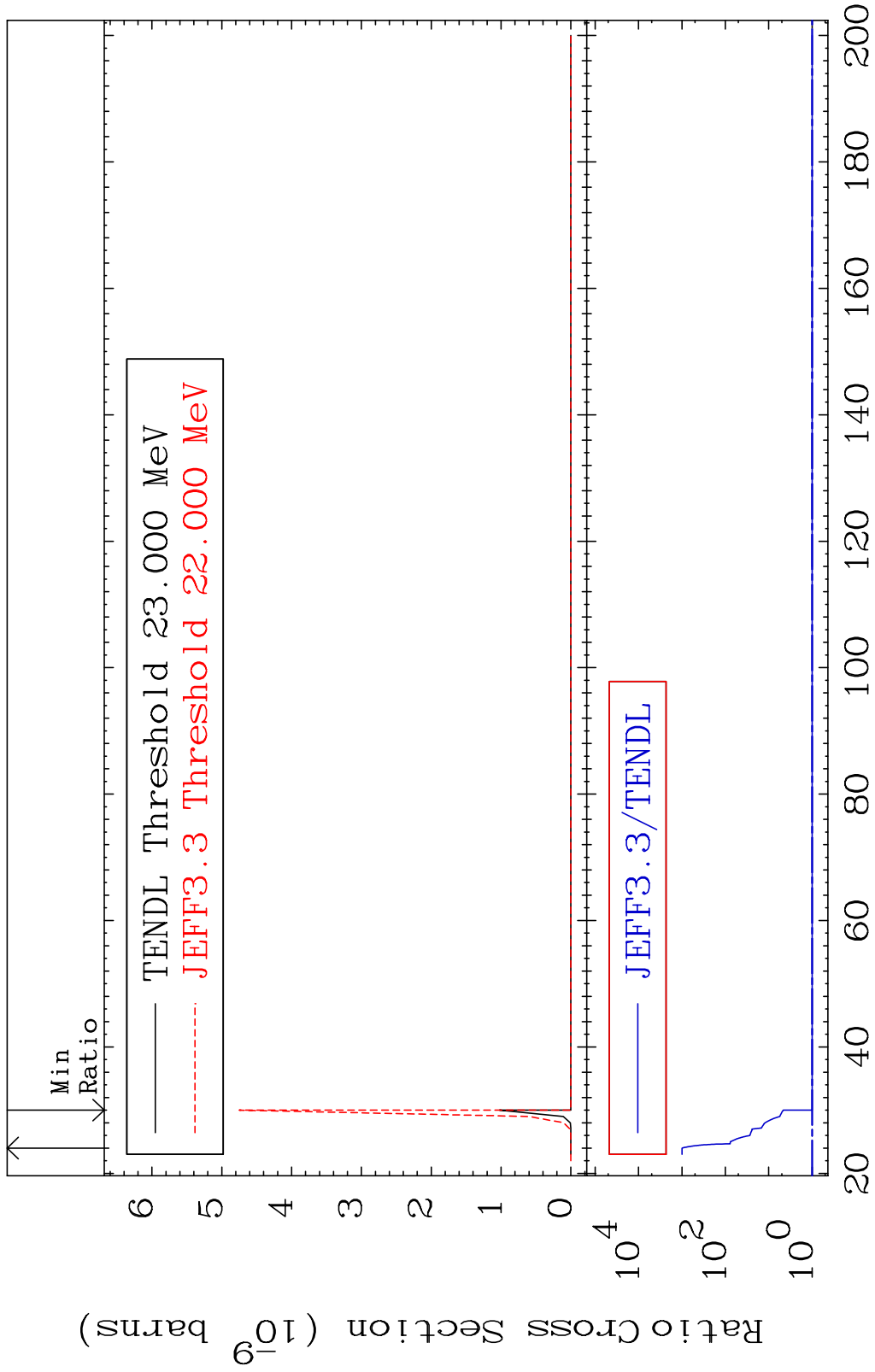


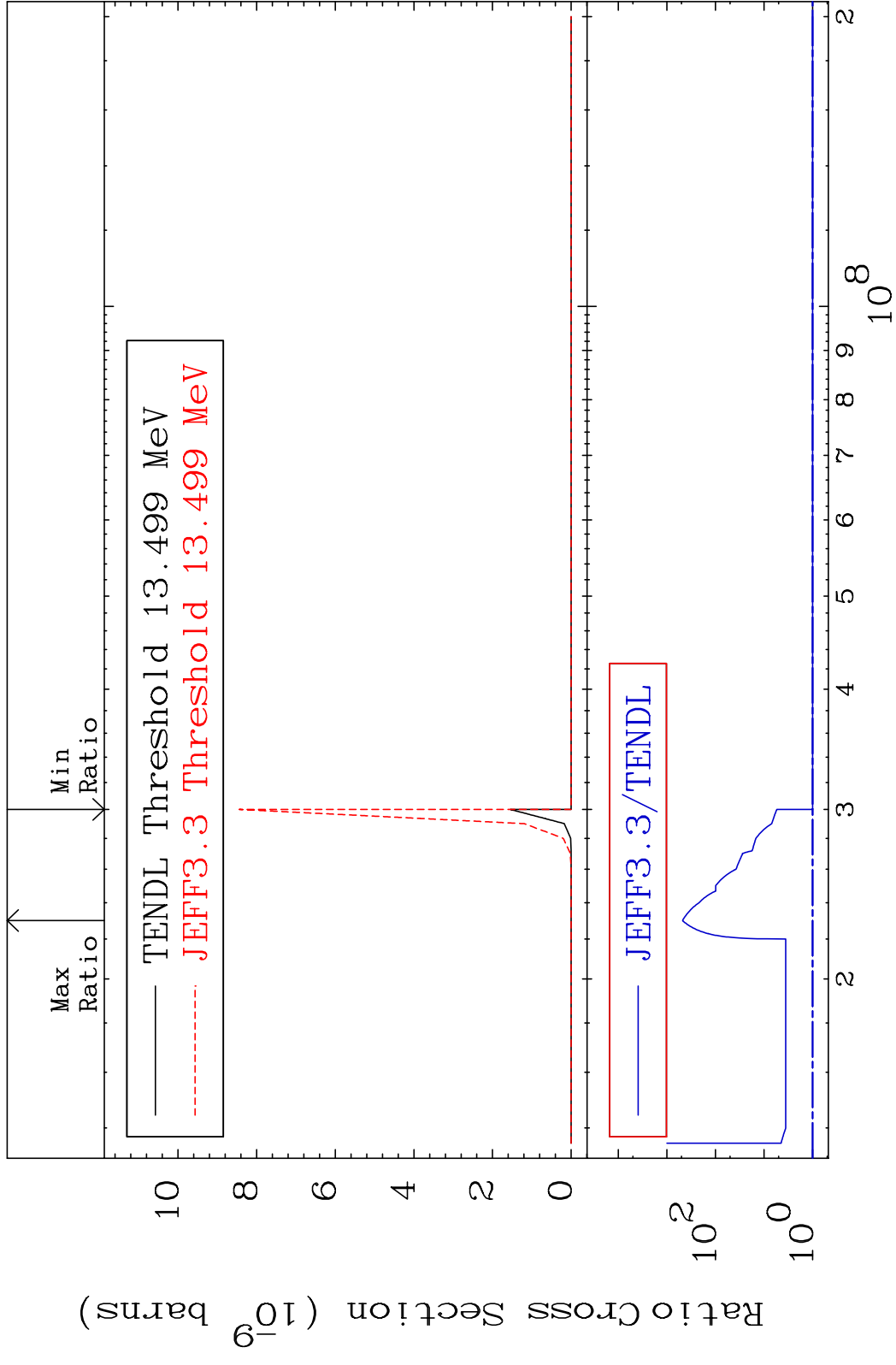




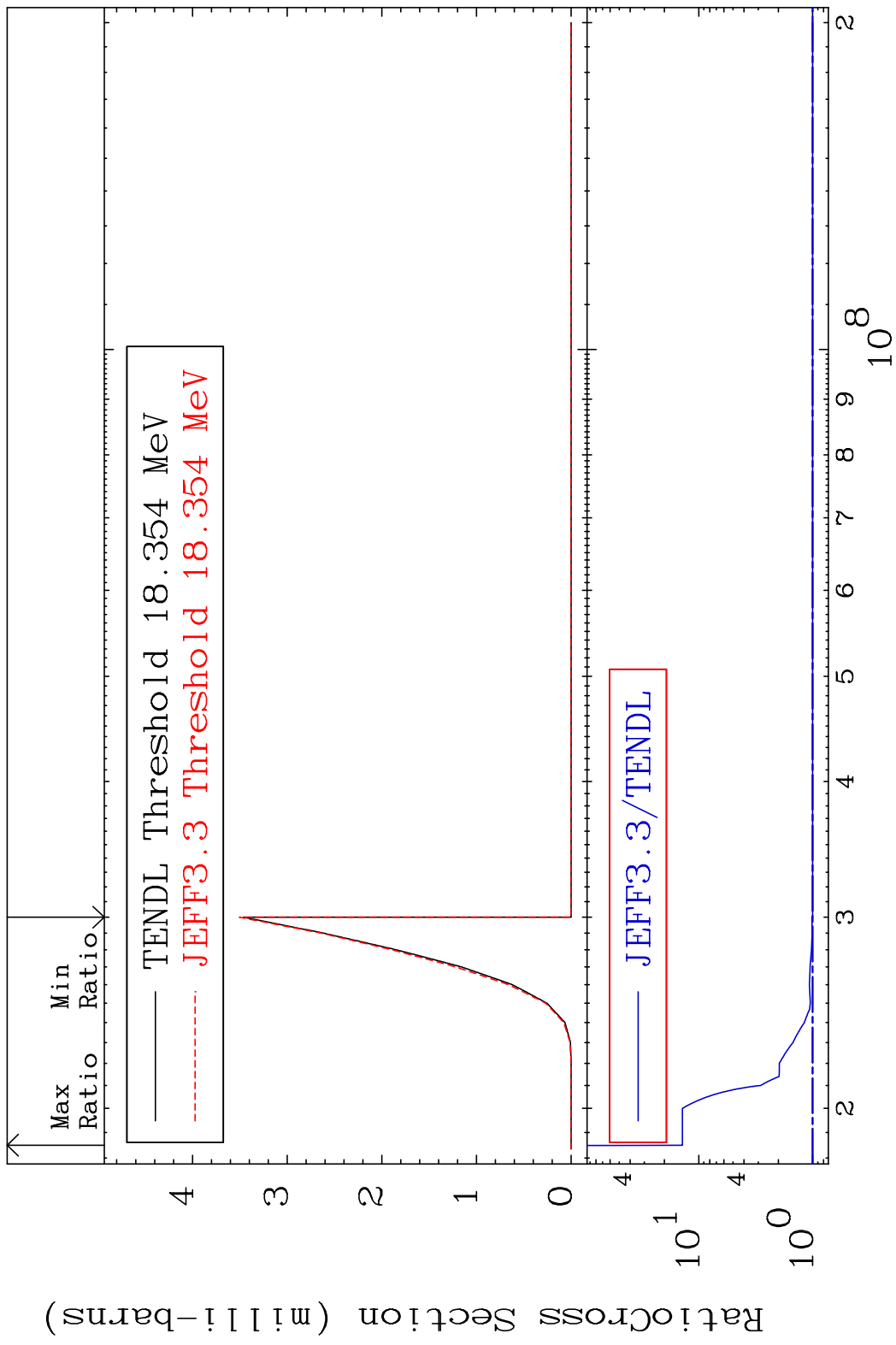
MAT 3922 (n, n') p:38-Sr-87m1 39-Y -88
 Radionuclide Production Cross Section 180.01 dth 69.93 %

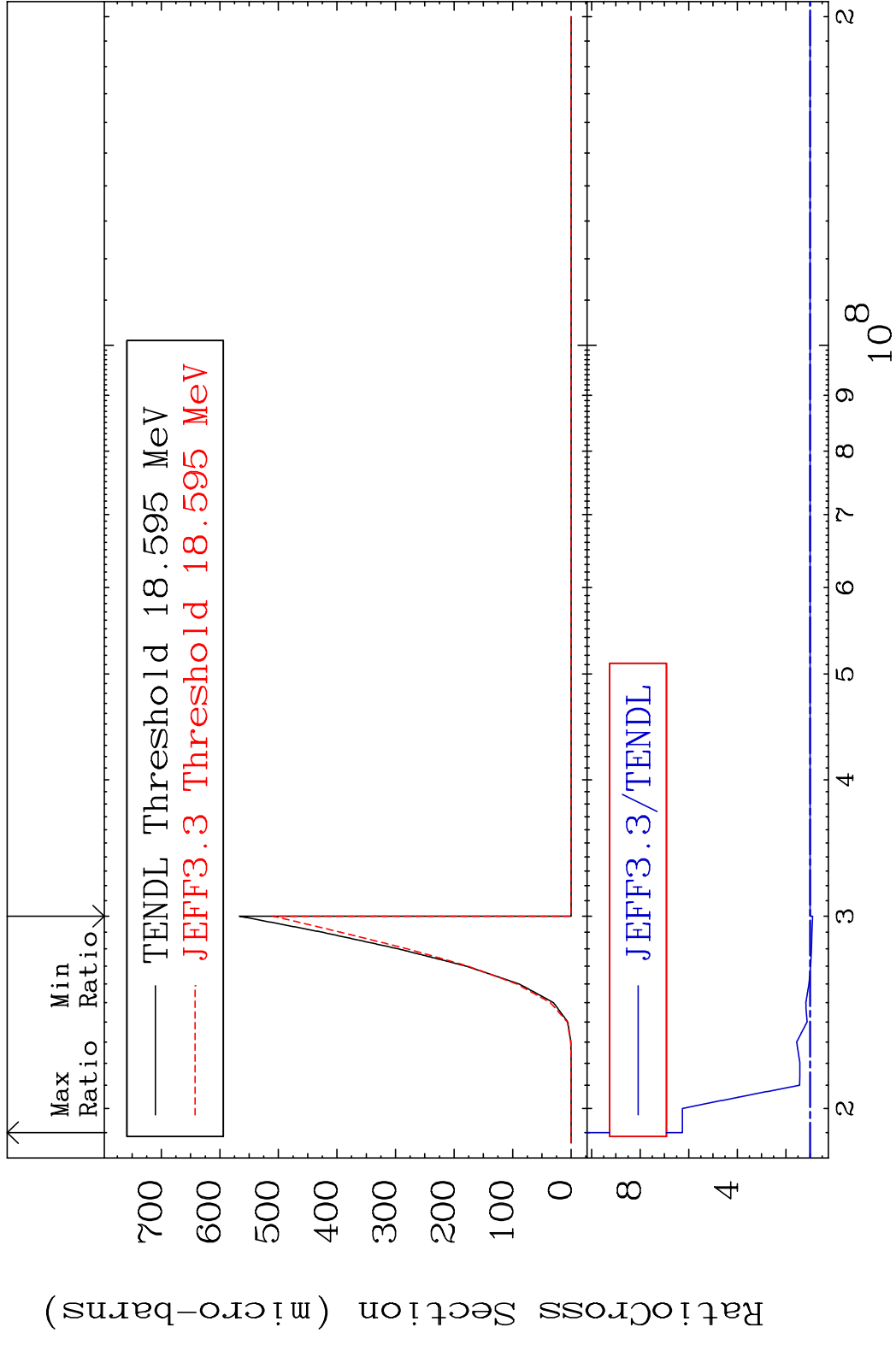


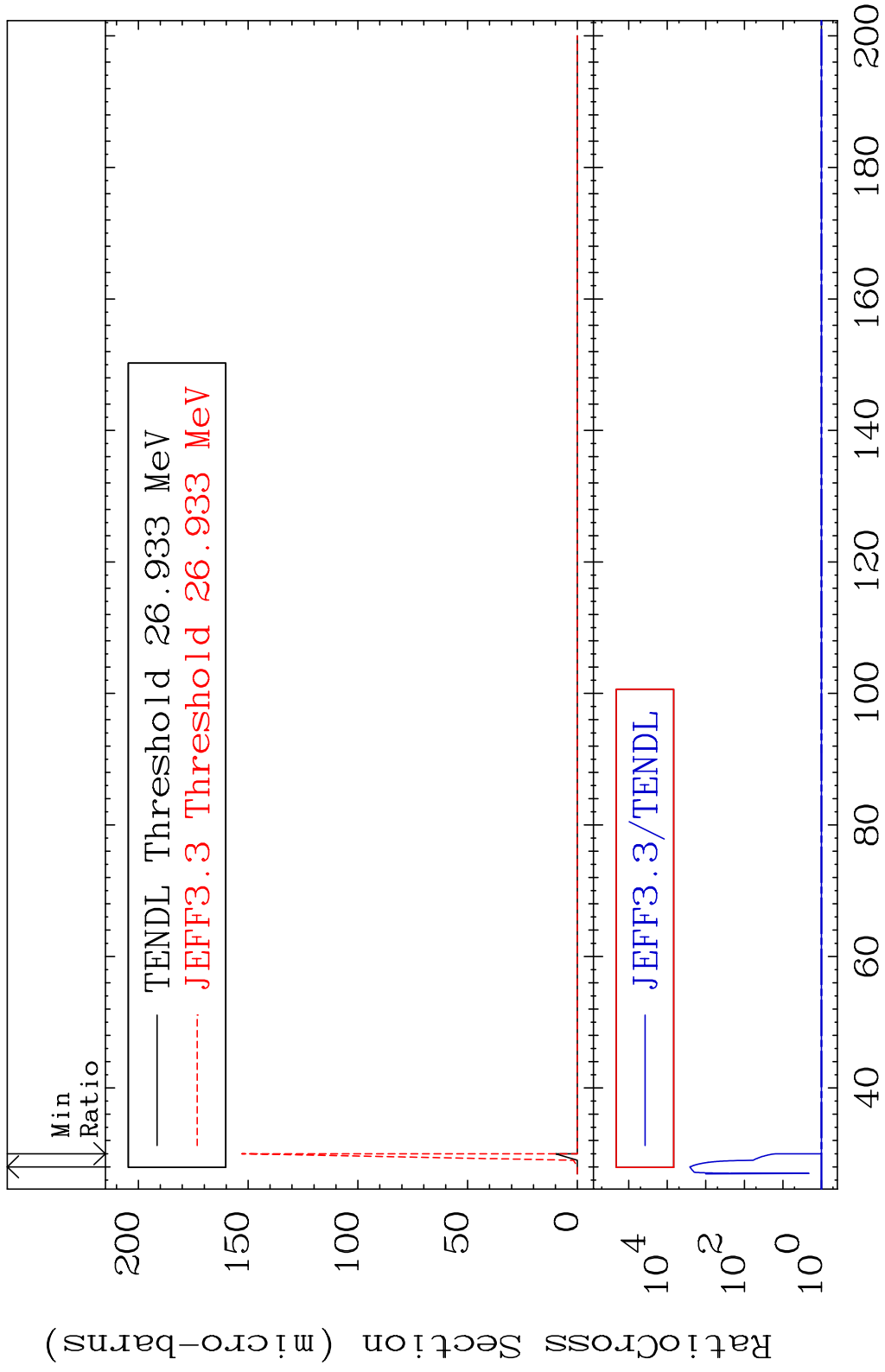


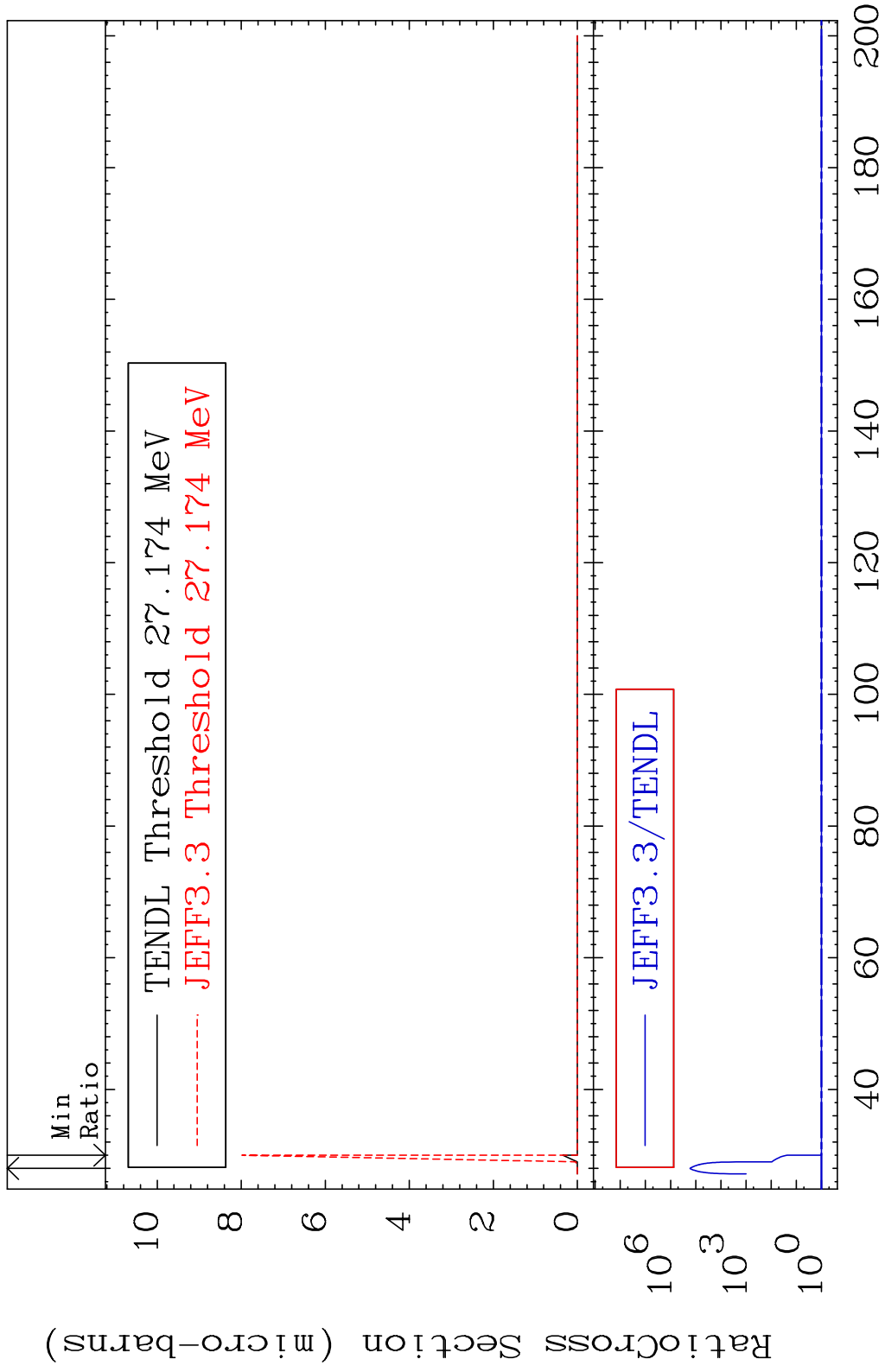


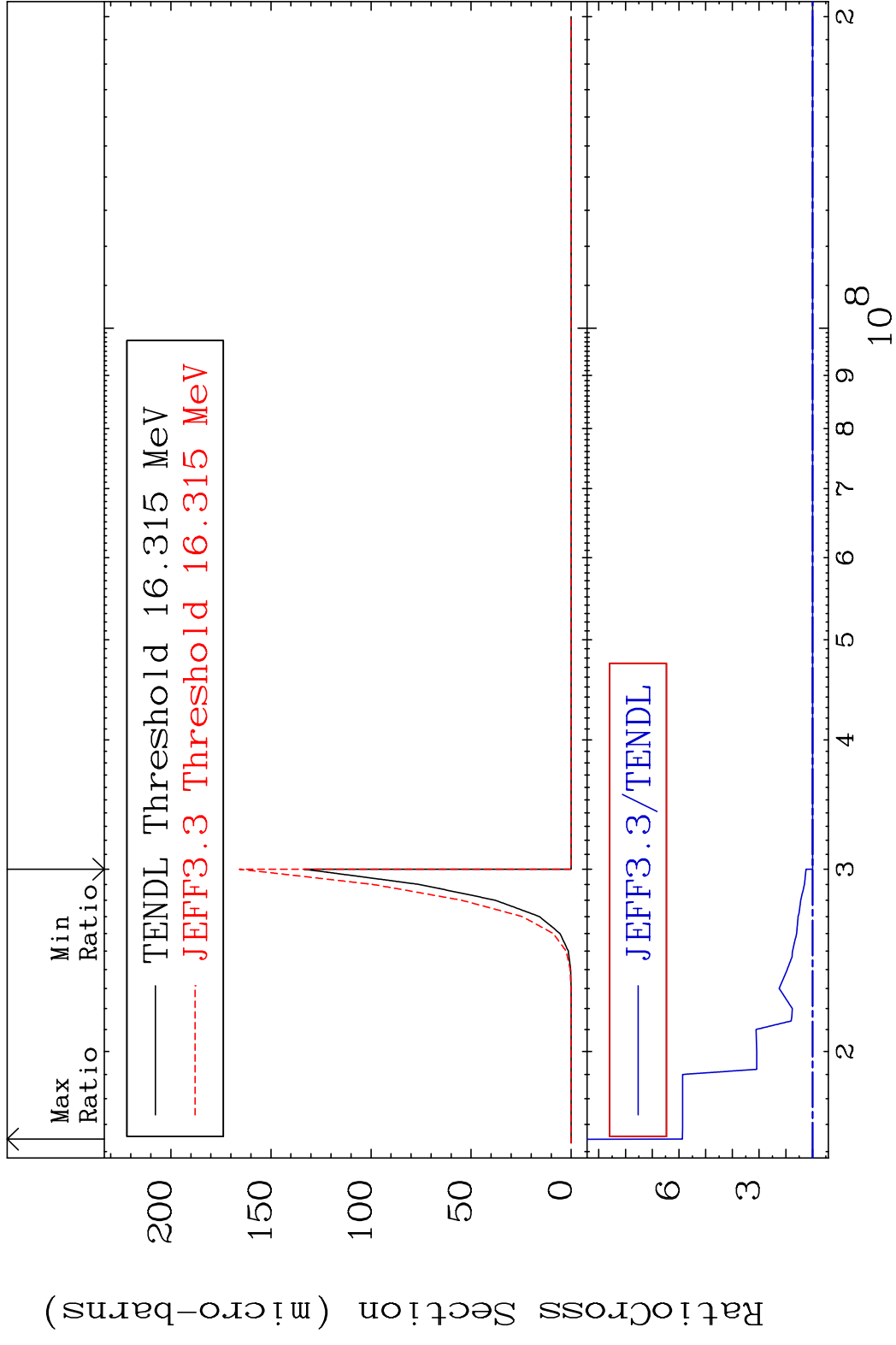
MAT 3922 (n, n') t:38-Sr-85g 39-Y -88
 Radionuclide Production Cross Section 1292. %

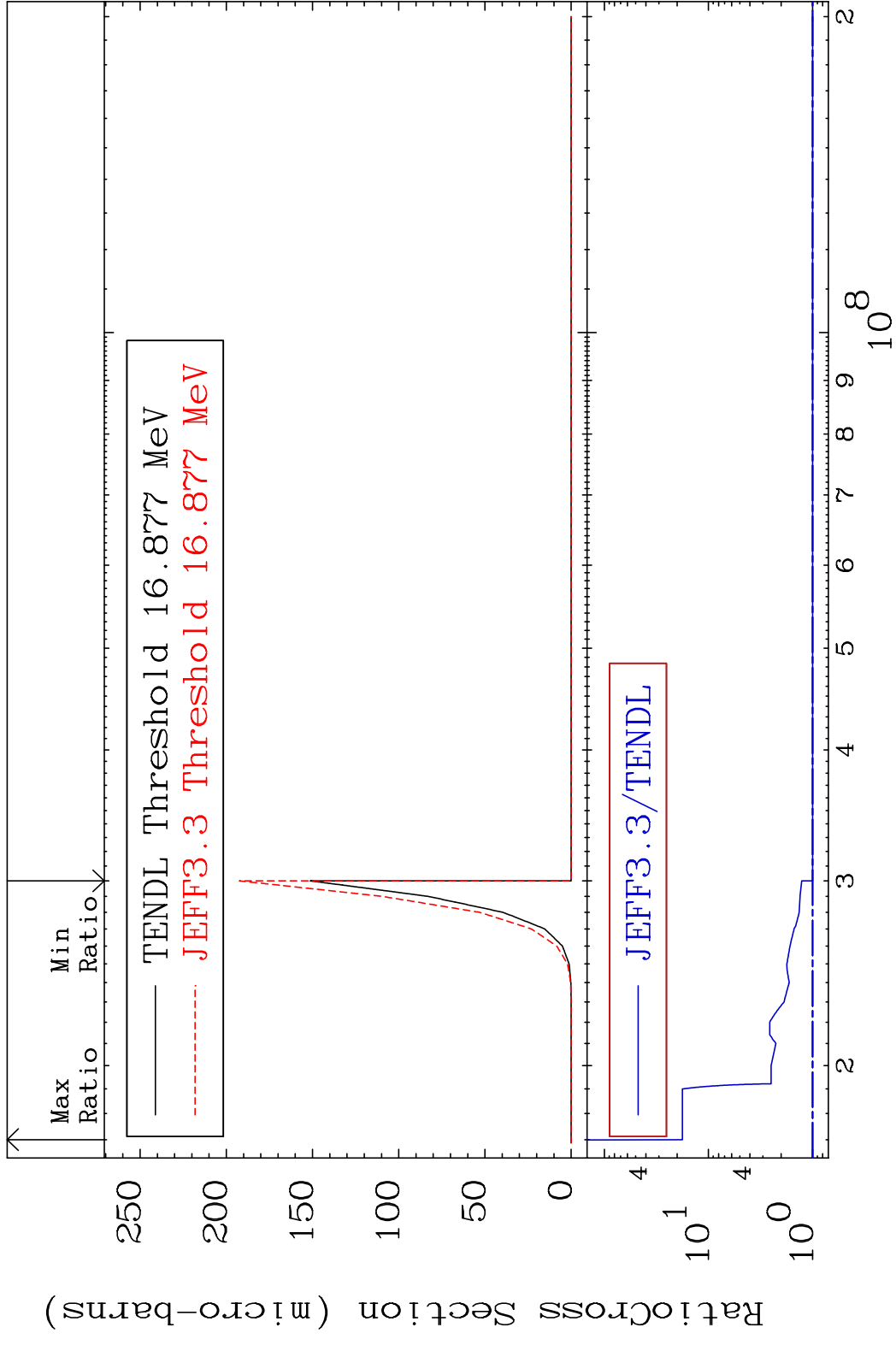


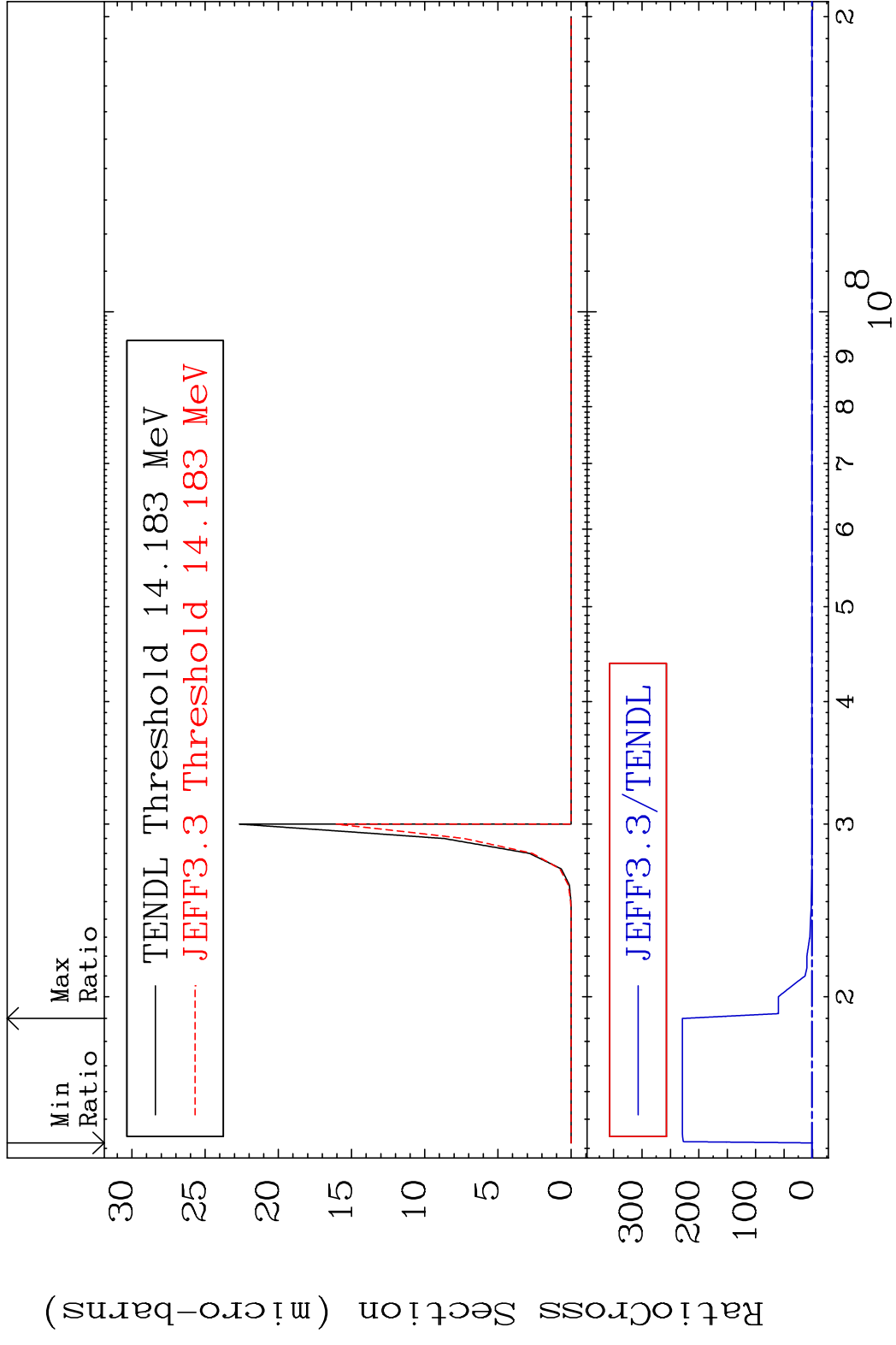


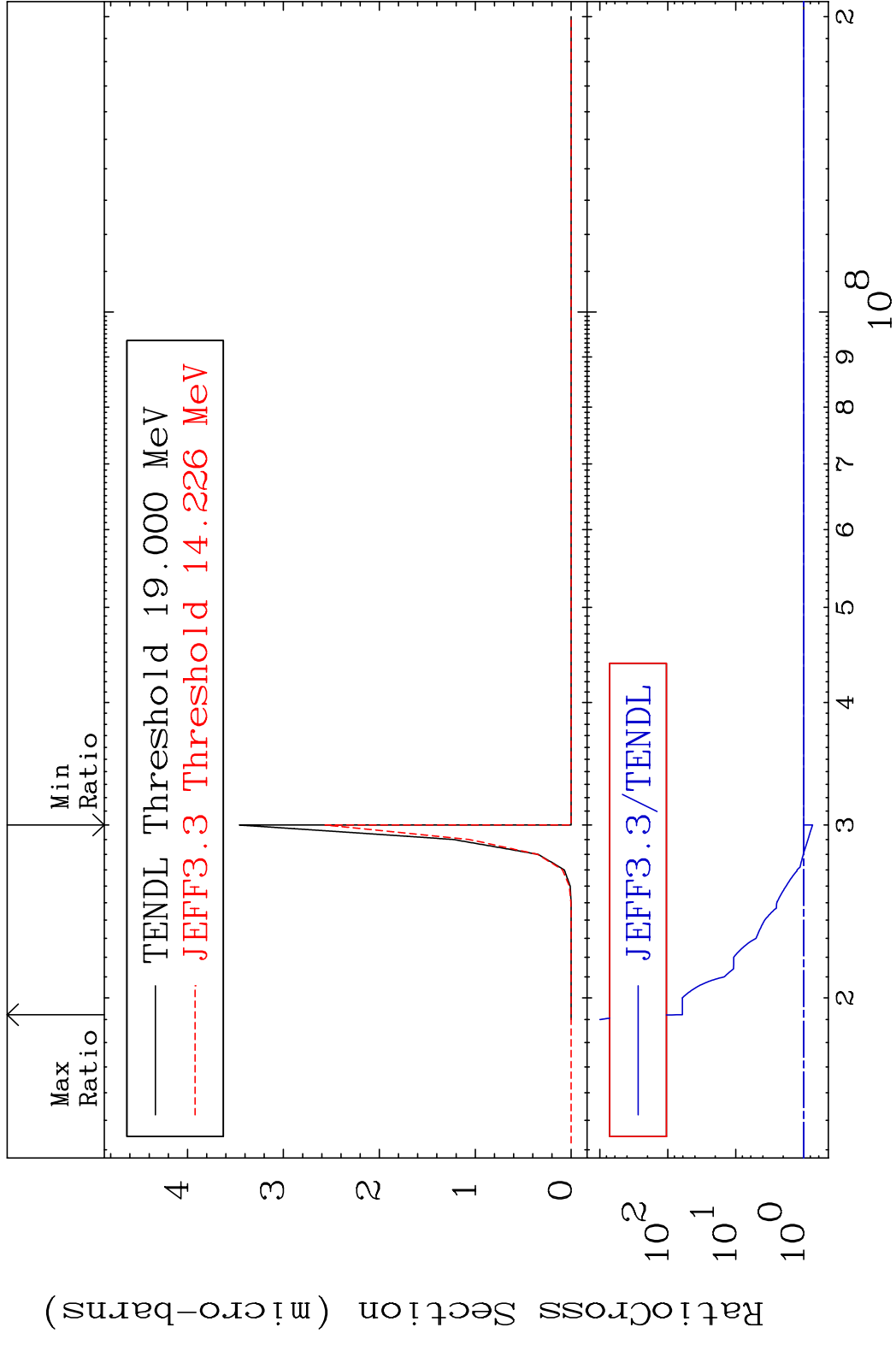


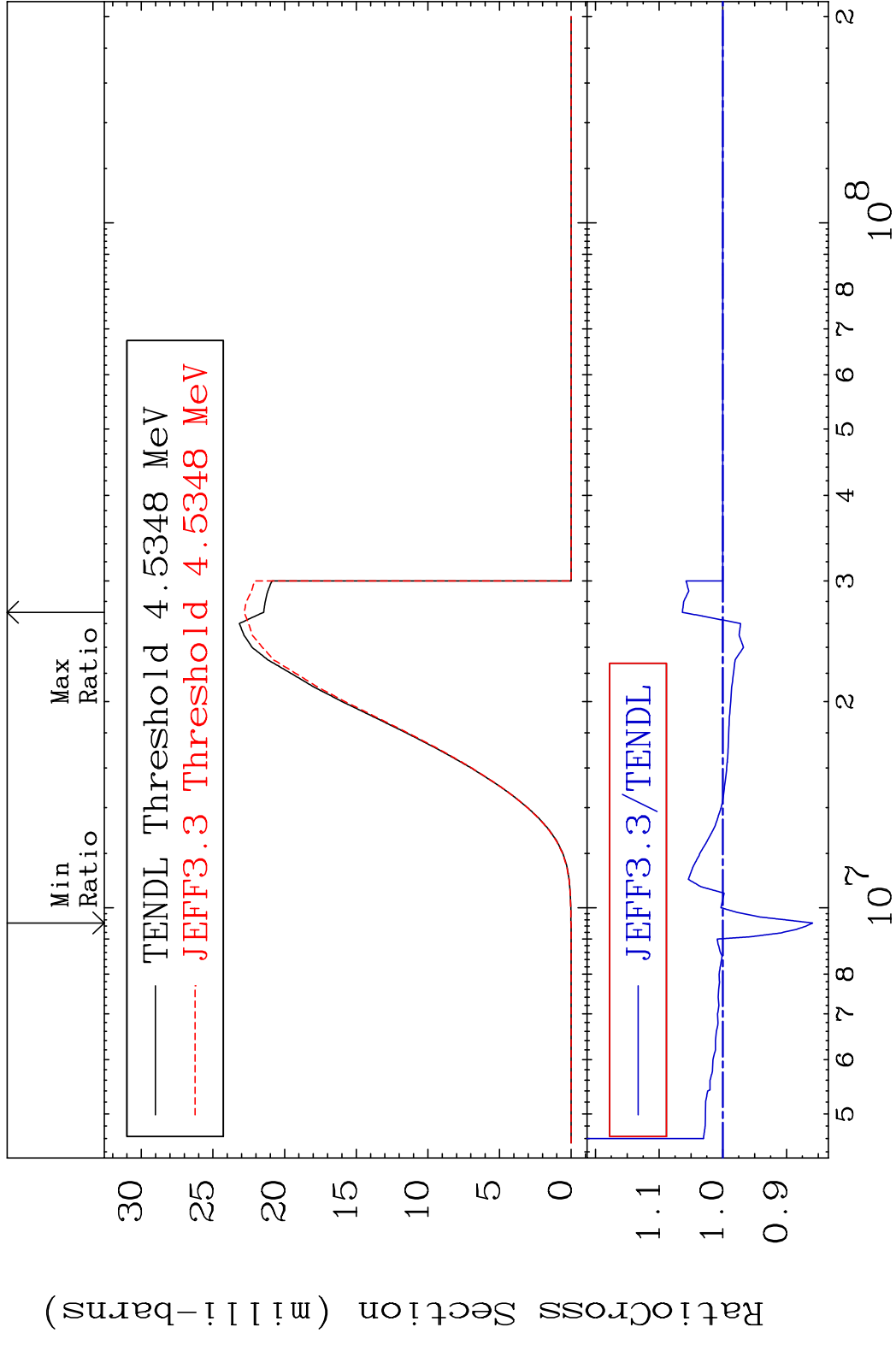




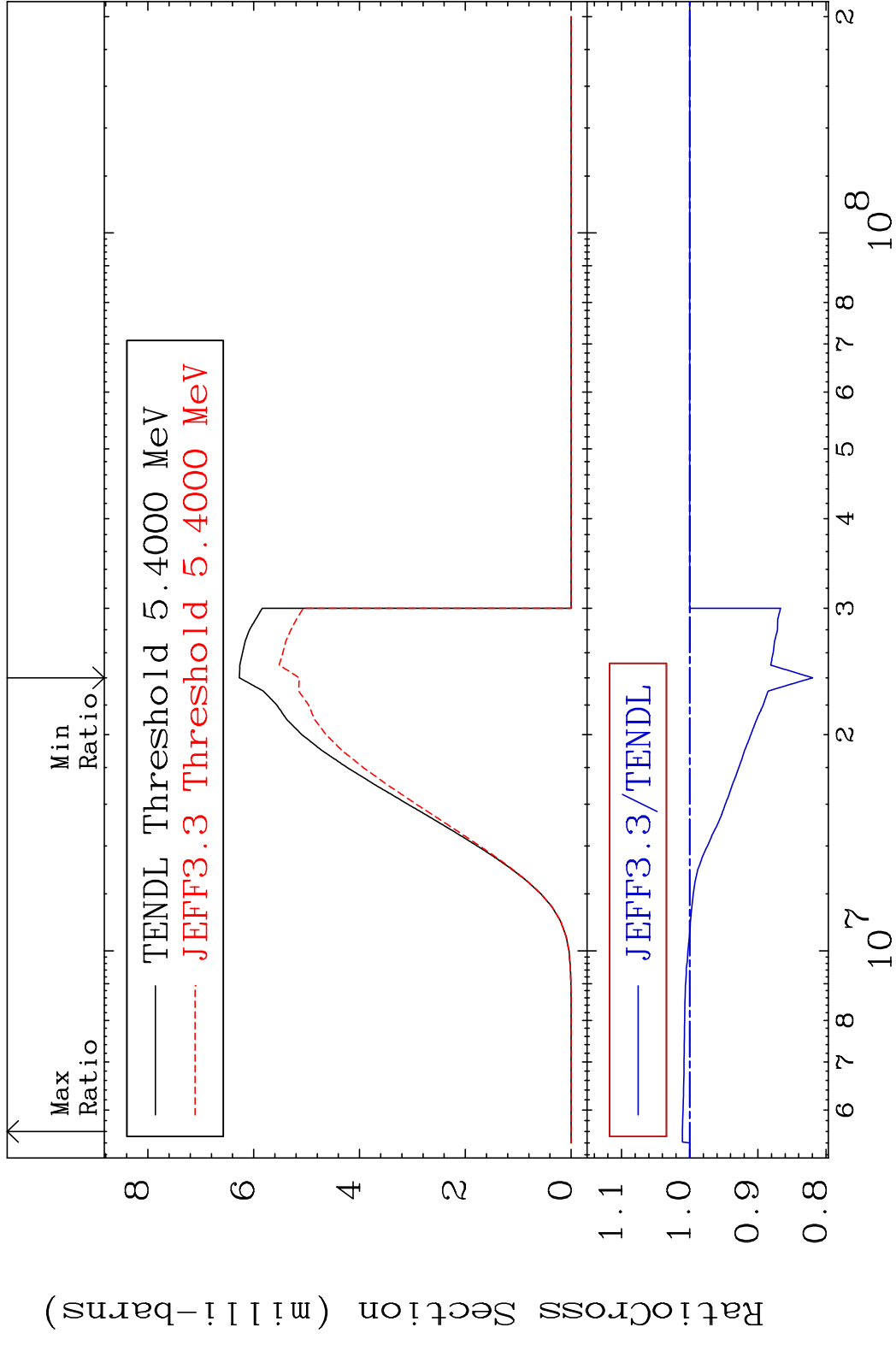




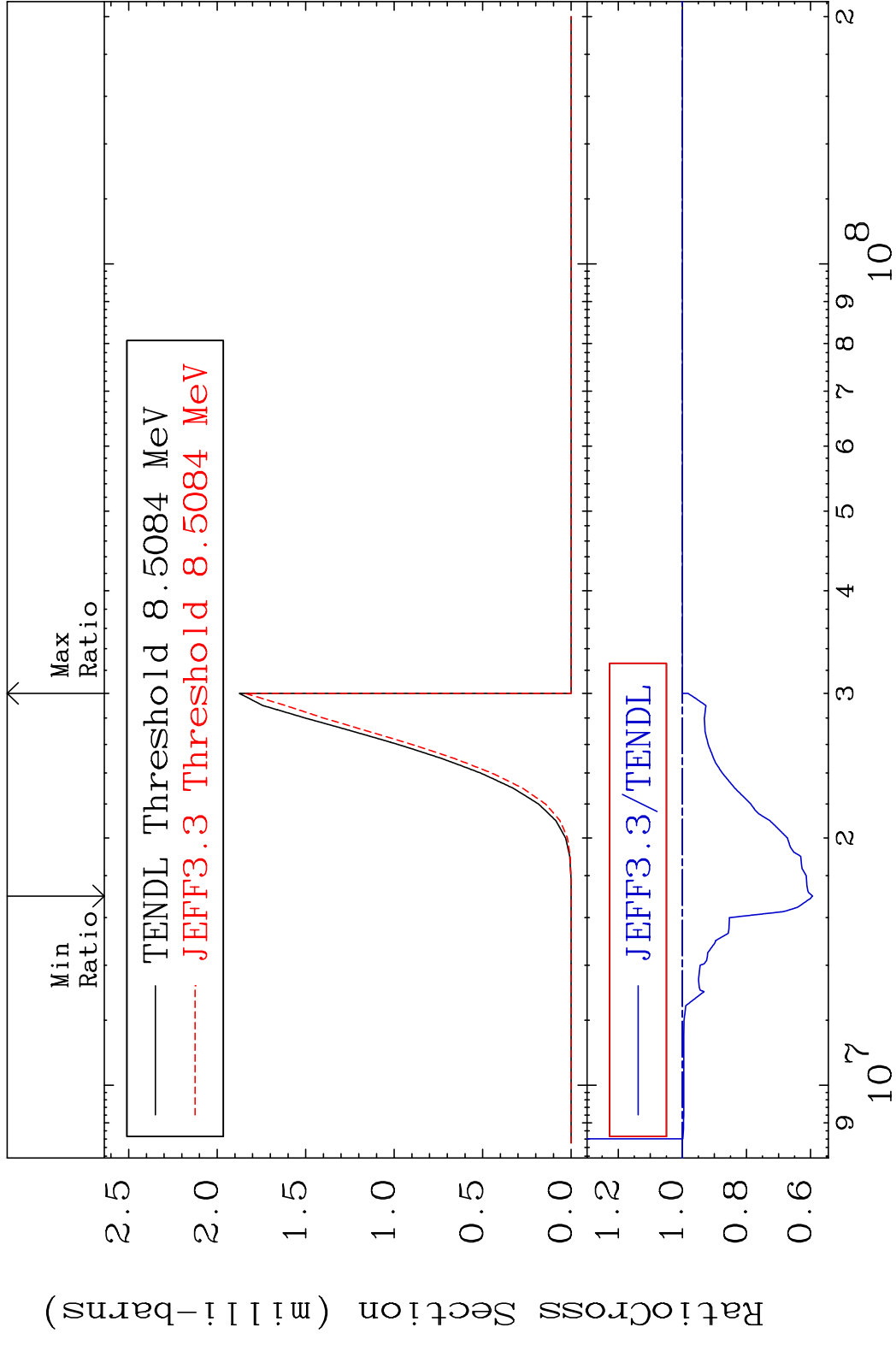




MAT 3922 (n, d):38-Sr-87m1 39-Y -88
 Radionuclide Production Cross Section 1.076 %



MAT 3922 (n, He-3):37-Rb-86g 39-Y -88
 Radionuclide Production Cross Section 0.000 %



100 Incident Energy (eV) 39-Y -88

