

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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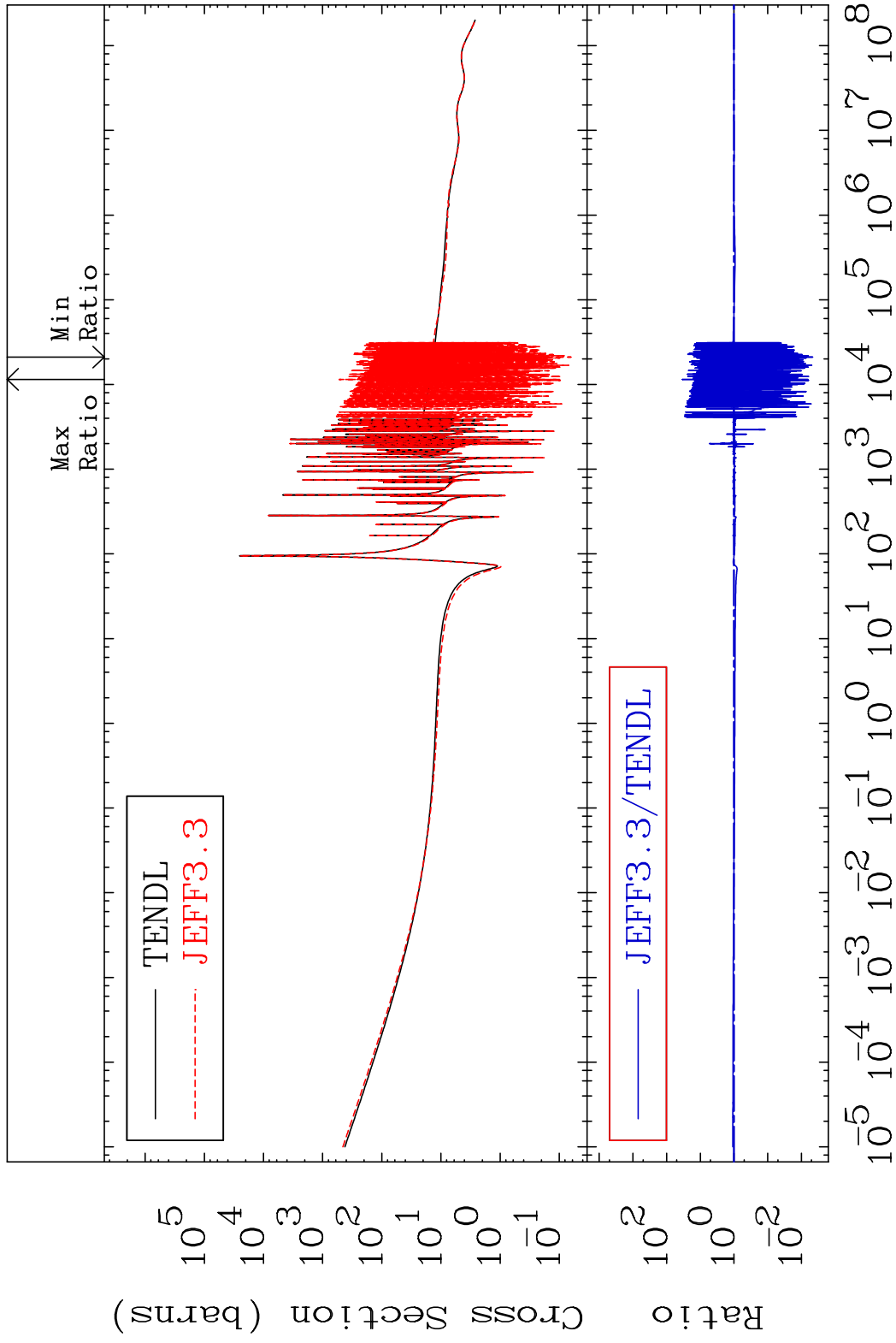
Press Mouse Button to Start

MAT 6849

Total

68-Er-170

Cross Section -99.53 To 3315. %



1

Incident Energy (eV)

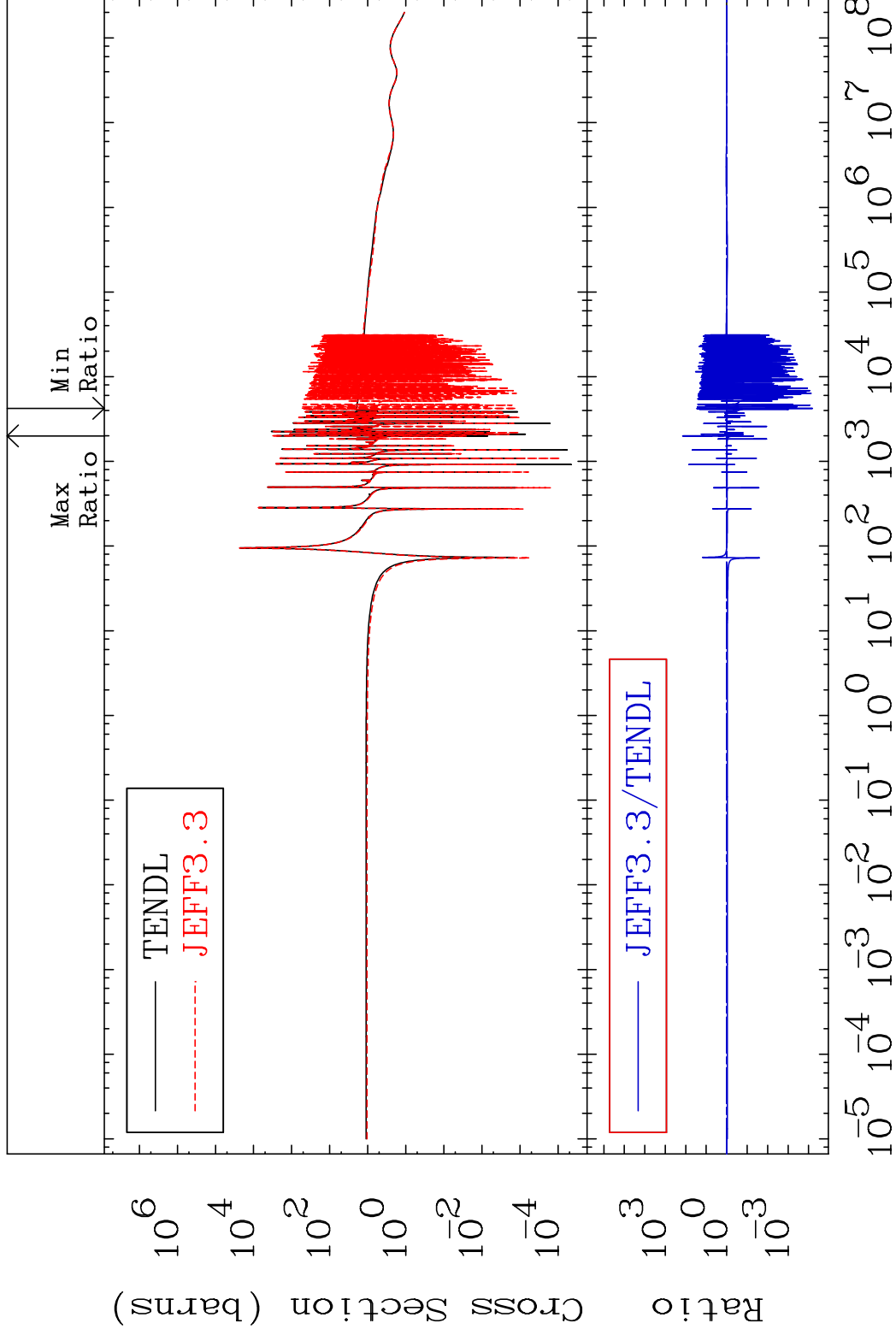
68-Er-170

MAT 6849

Elastic

68-Er-170

Cross Section -99.99 To 9999. %

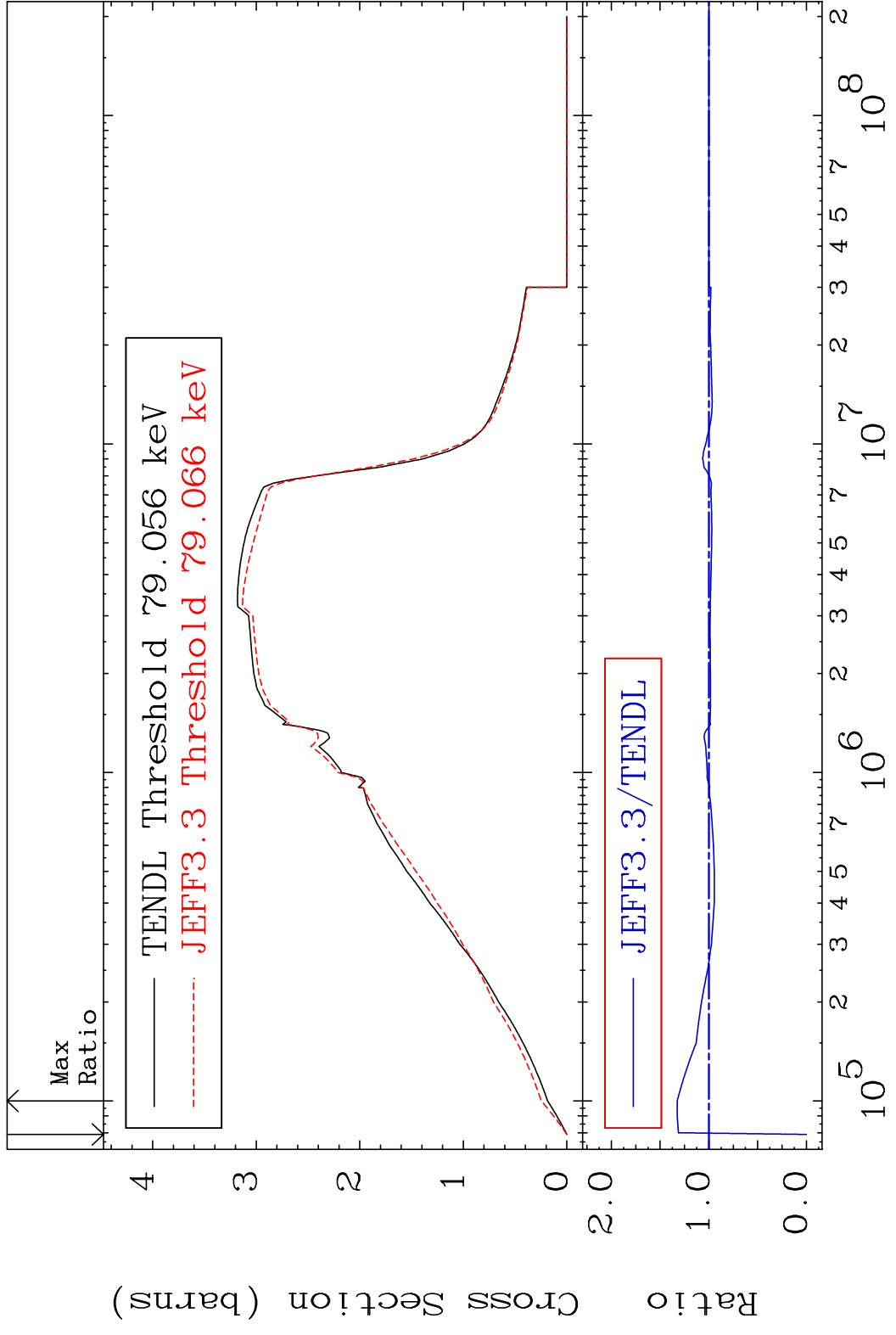


2

Incident Energy (eV)

68-Er-170

MAT 6849 Inelastic 68-Er-170
 Cross Section -100.0 To 32.49 %



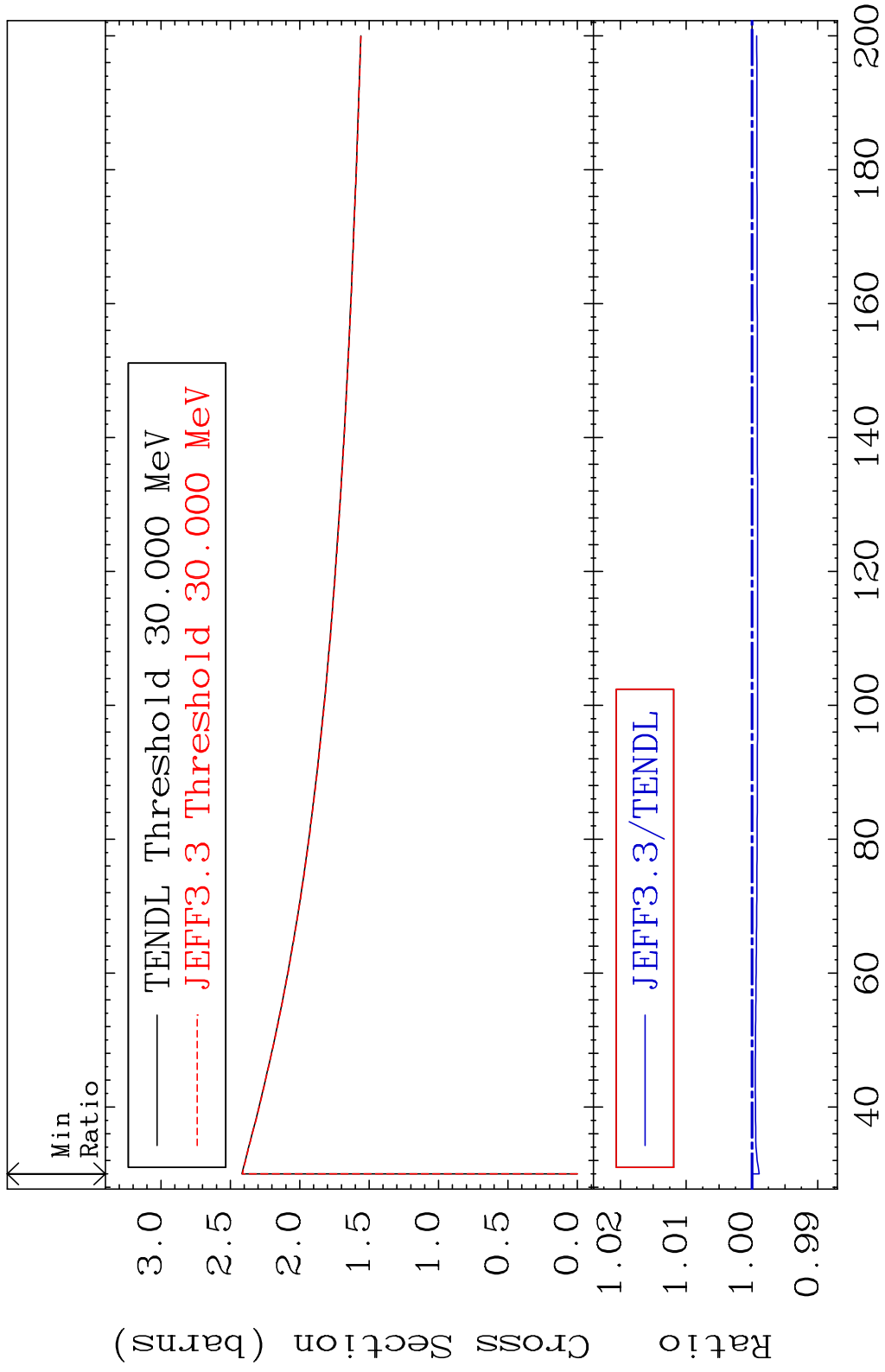
3 Incident Energy (eV) 68-Er-170

MAT 6849

(n, remainder)

68-Er-170

Cross Section -0.108 To 0.000 %



4

Incident Energy (MeV)

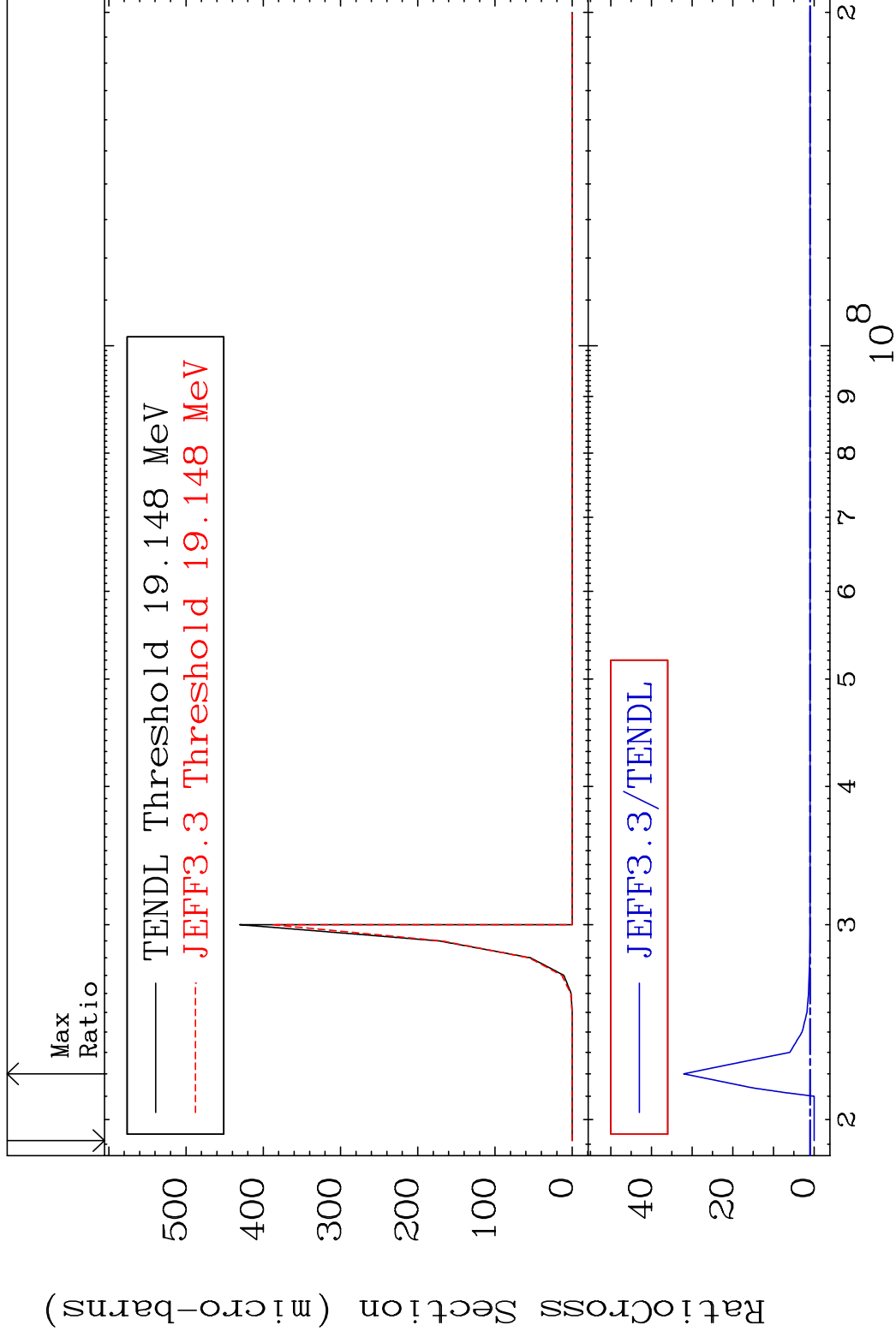
68-Er-170

MAT 6849

(n,2n) d

68-Er-170

Cross Section -100.0 To 3108. %



5

Incident Energy (eV)

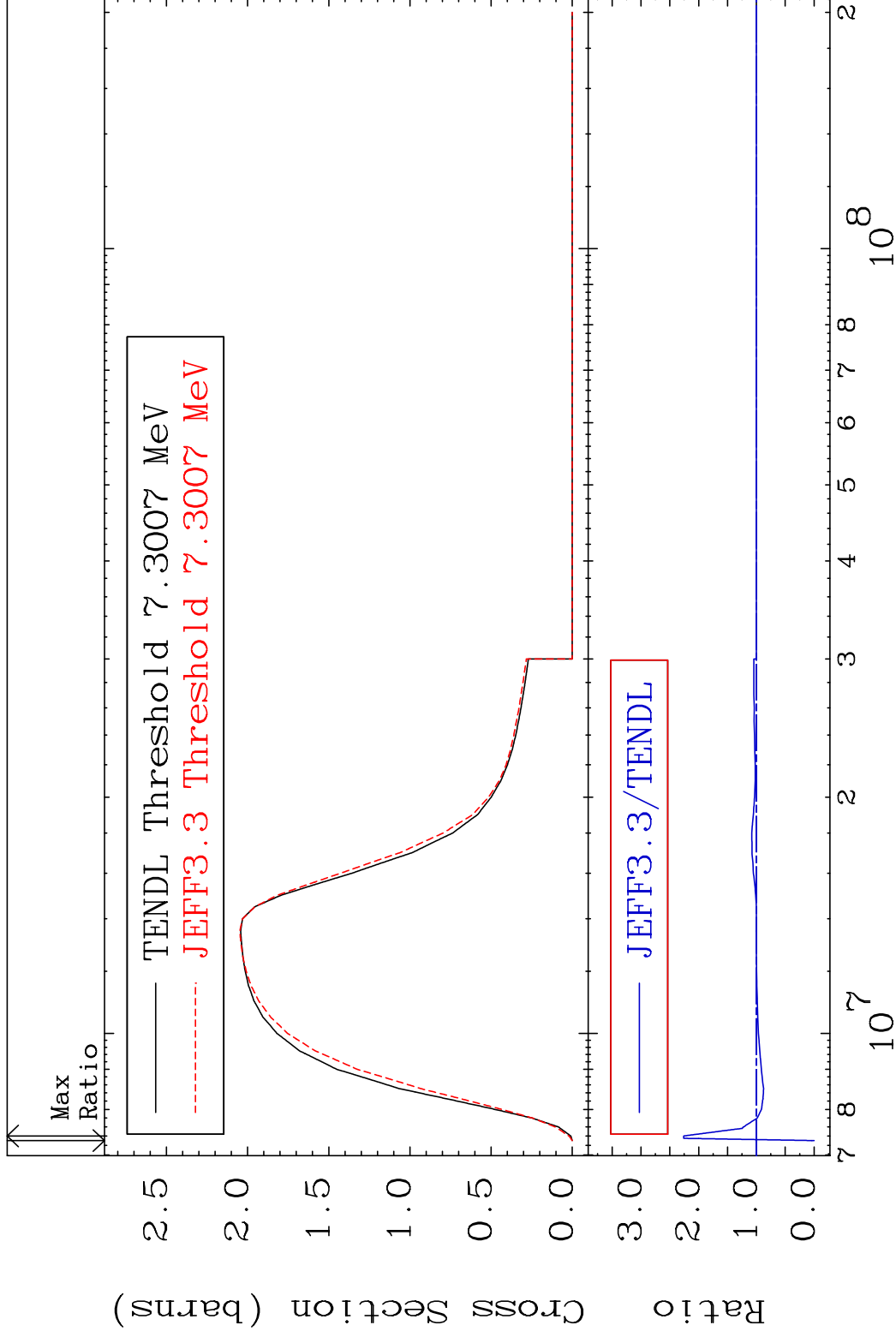
68-Er-170

MAT 6849

(n,2n)

68-Er-170

Cross Section -100.0 To 126.0 %



6

Incident Energy (eV)

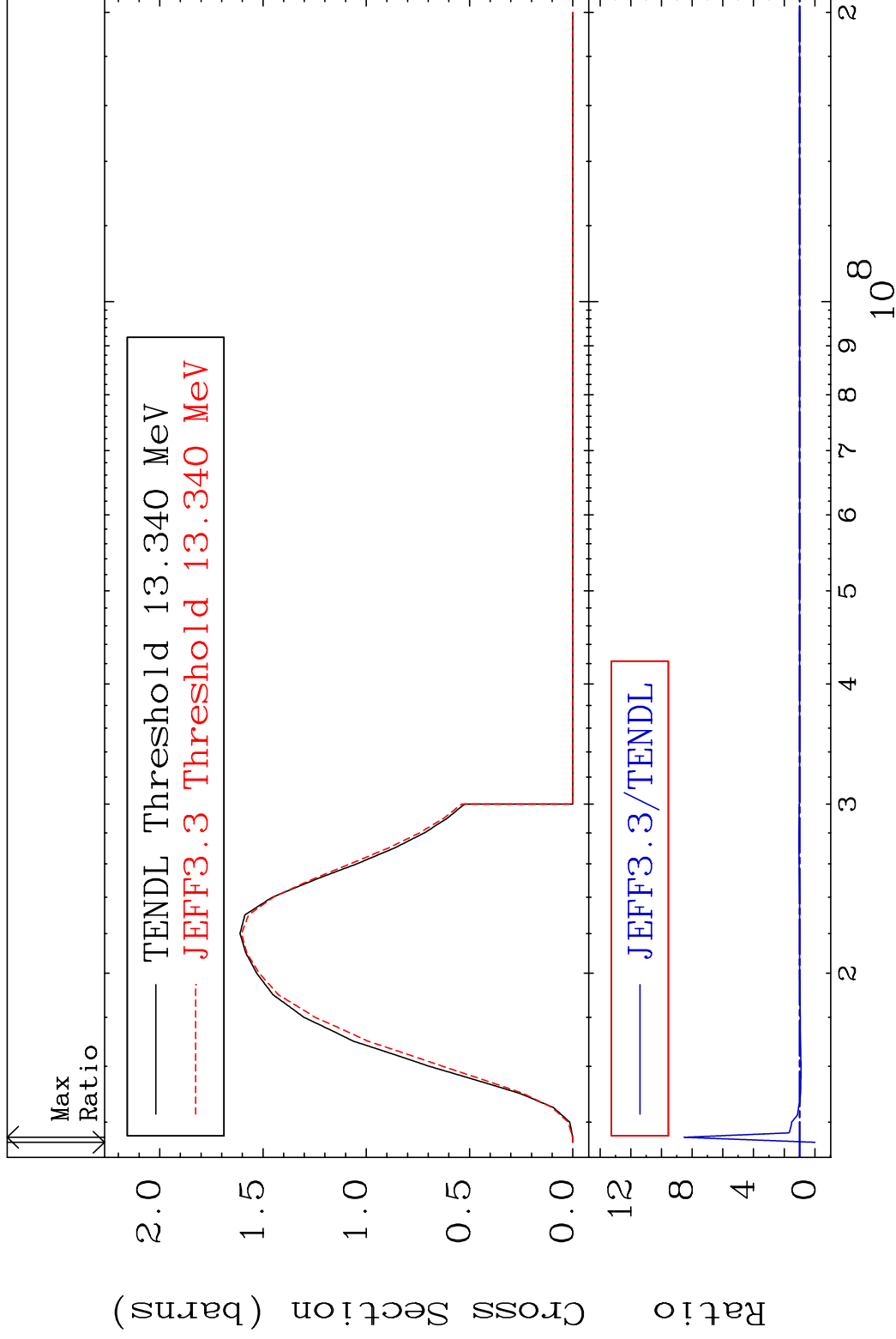
68-Er-170

MAT 6849

(n,3n)

68-Er-170

Cross Section -100.0 To 751.2 %



7

Incident Energy (eV)

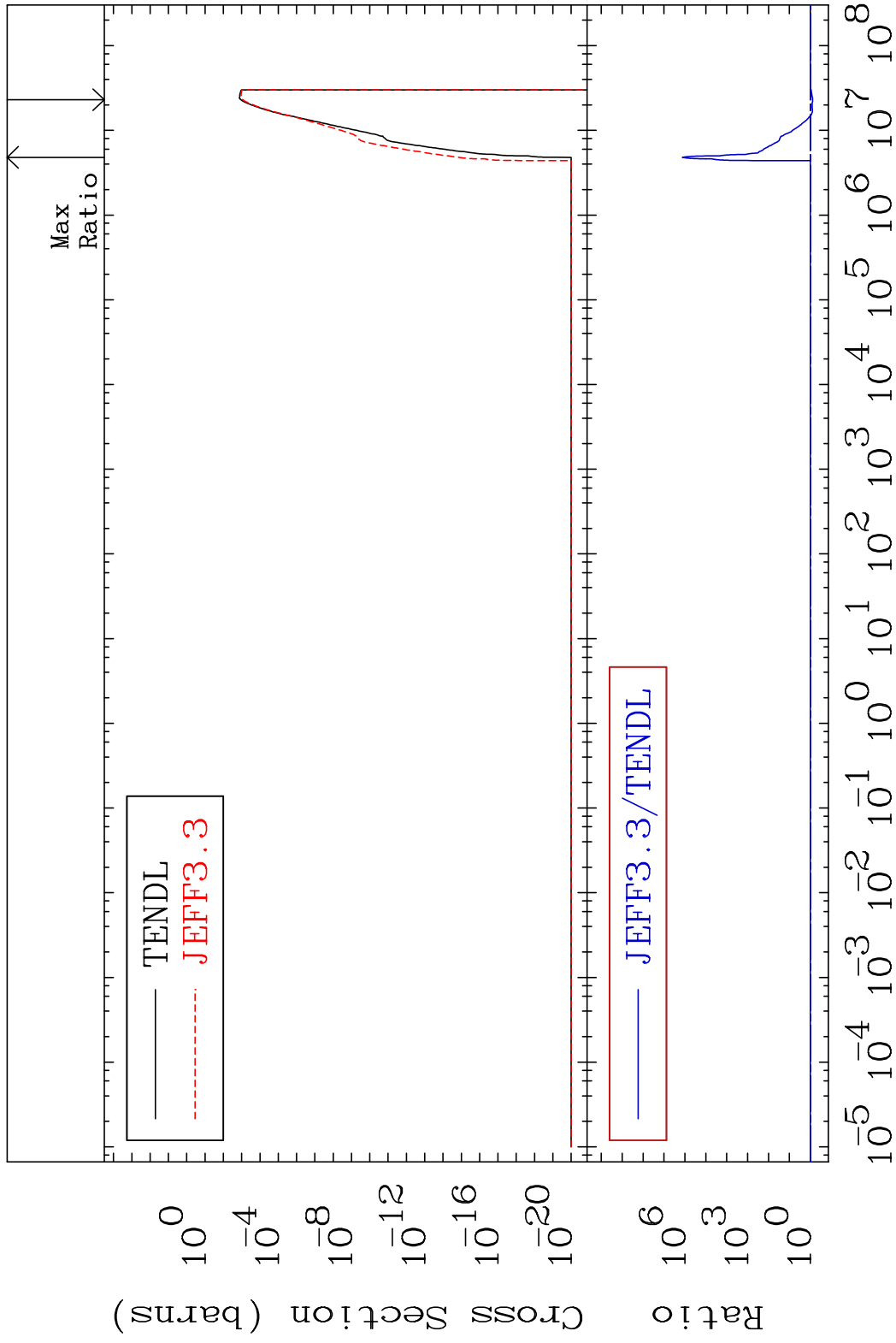
68-Er-170

MAT 6849

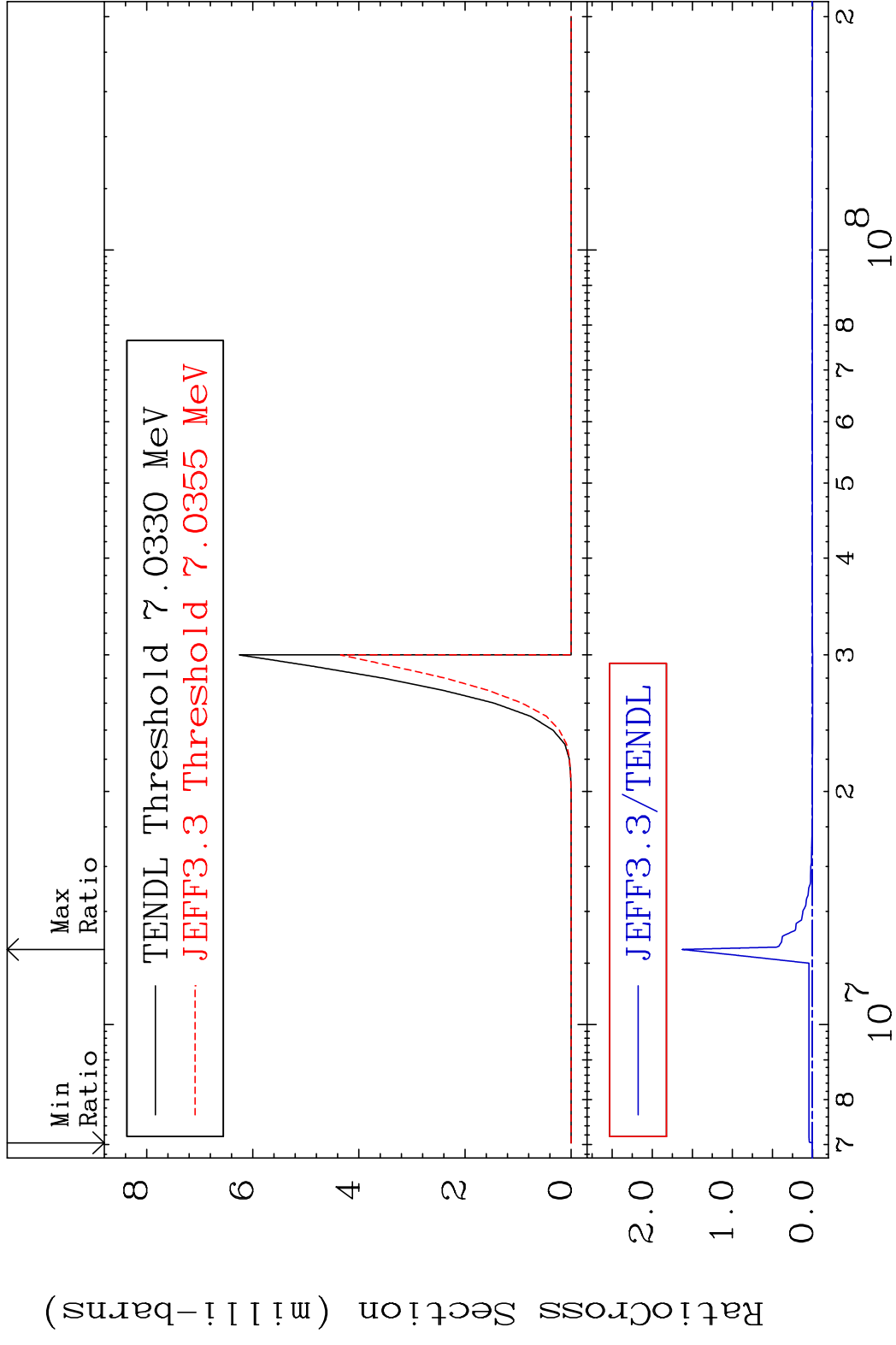
(n, n') α

68-Er-170

Cross Section -21.59 To 9999. %



MAT 6849 (n,2n) α 68-Er-170
 Cross Section -100.0 To 9999. %

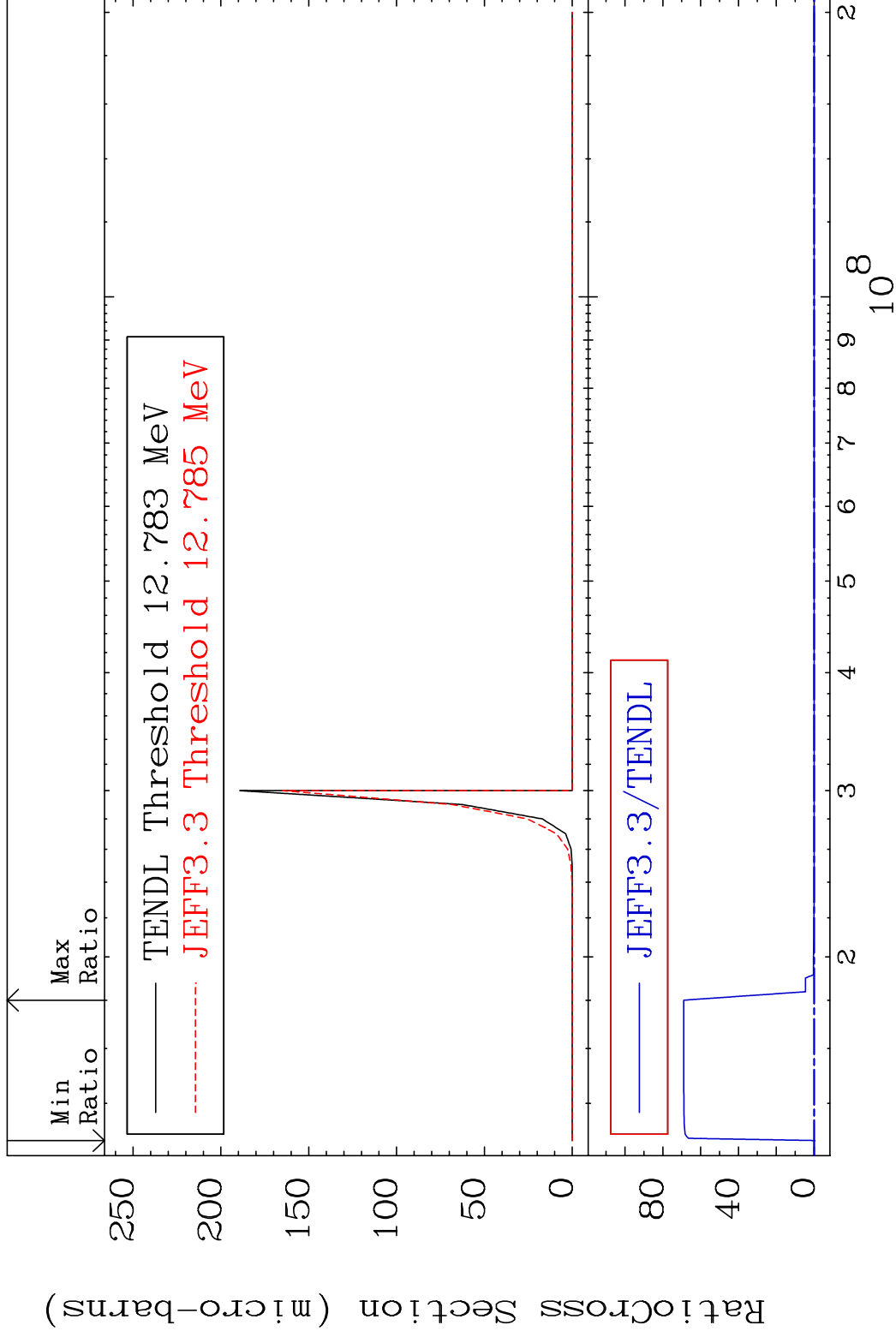


MAT 6849

(n,3n) α

68-Er-170

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

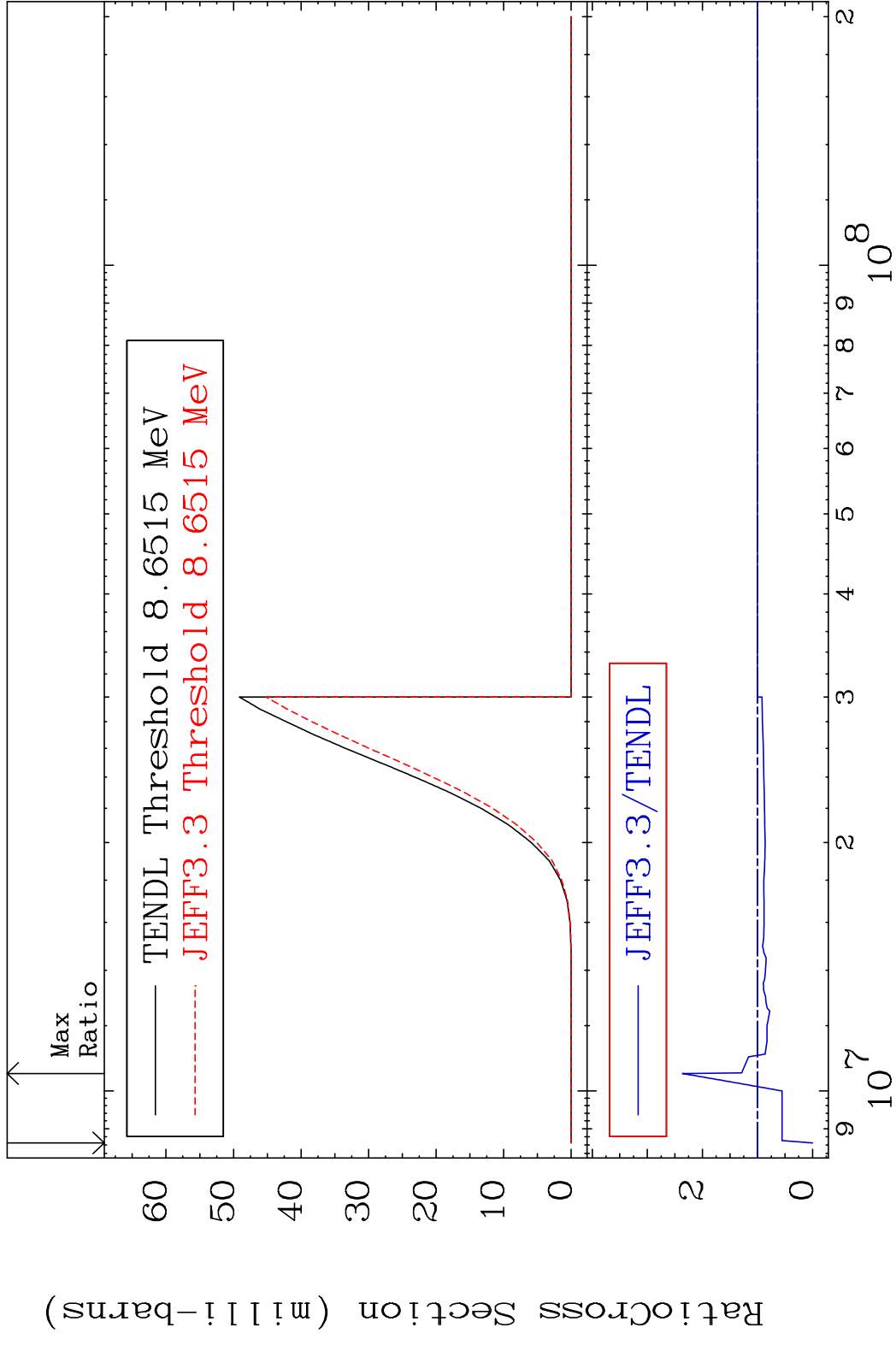
68-Er-170

MAT 6849

(n, n') p

68-Er-170

Cross Section -100.0 To 136.4 %

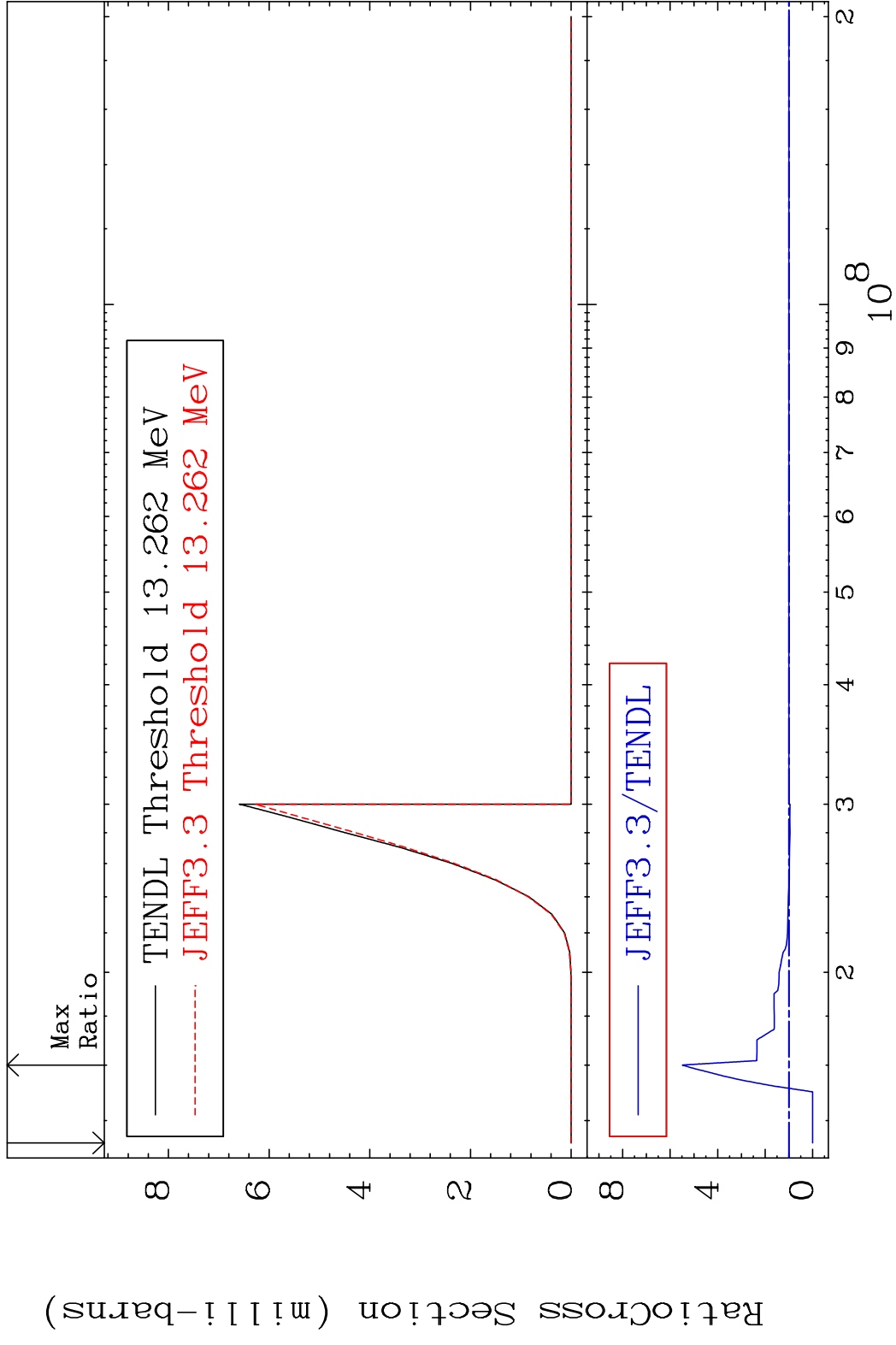


MAT 6849

(n, n') d

68-Er-170

Cross Section -100.0 To 448.7 %

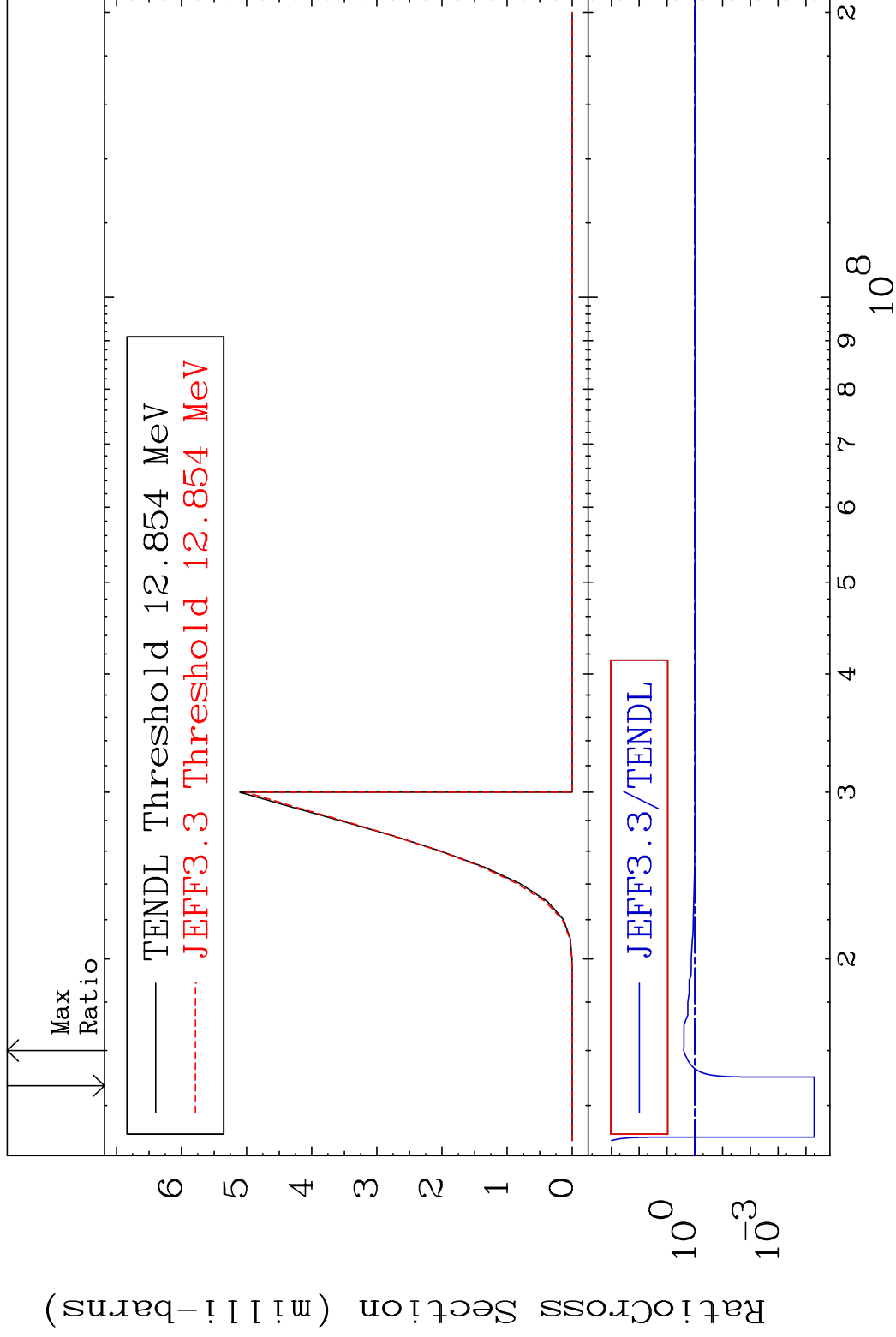


MAT 6849

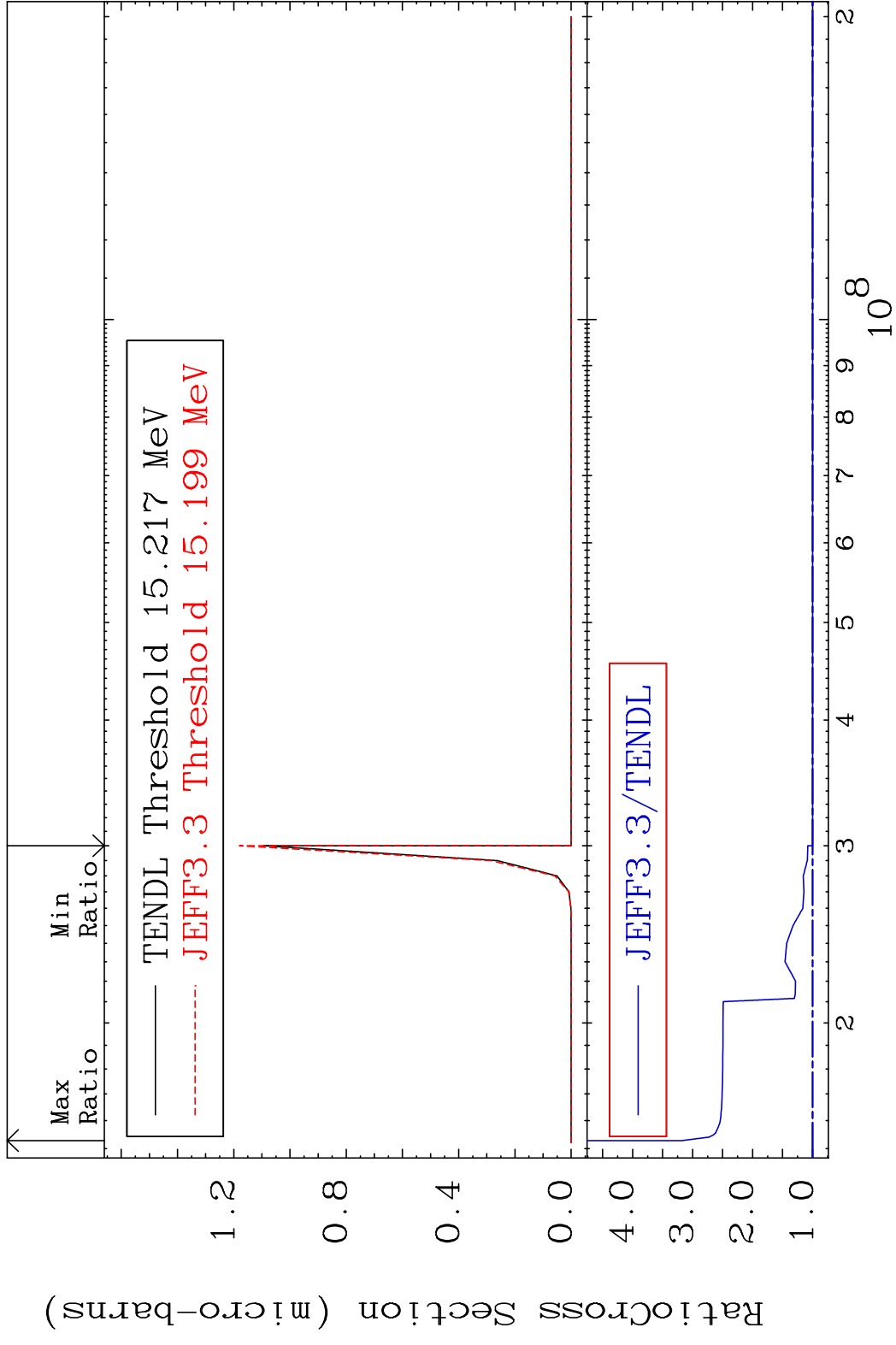
(n, n') t

68-Er-170

Cross Section -99.99 To 151.9 %



MAT 6849 (n,n') He-3 68-Er-170
 Cross Section 0.000 To 217.1 %

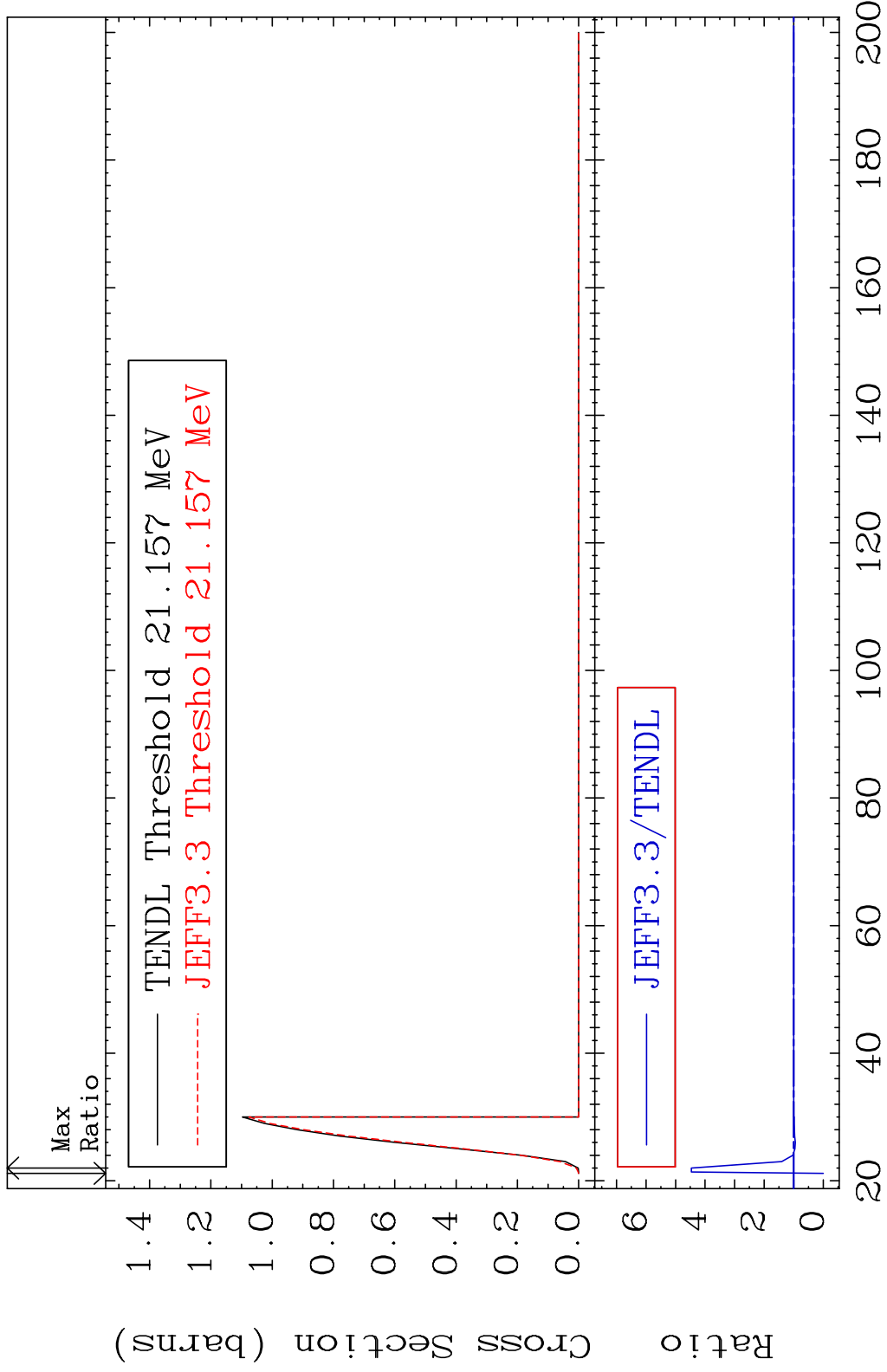


MAT 6849

(n, 4n)

68-Er-170

Cross Section -100.0 To 346.6 %

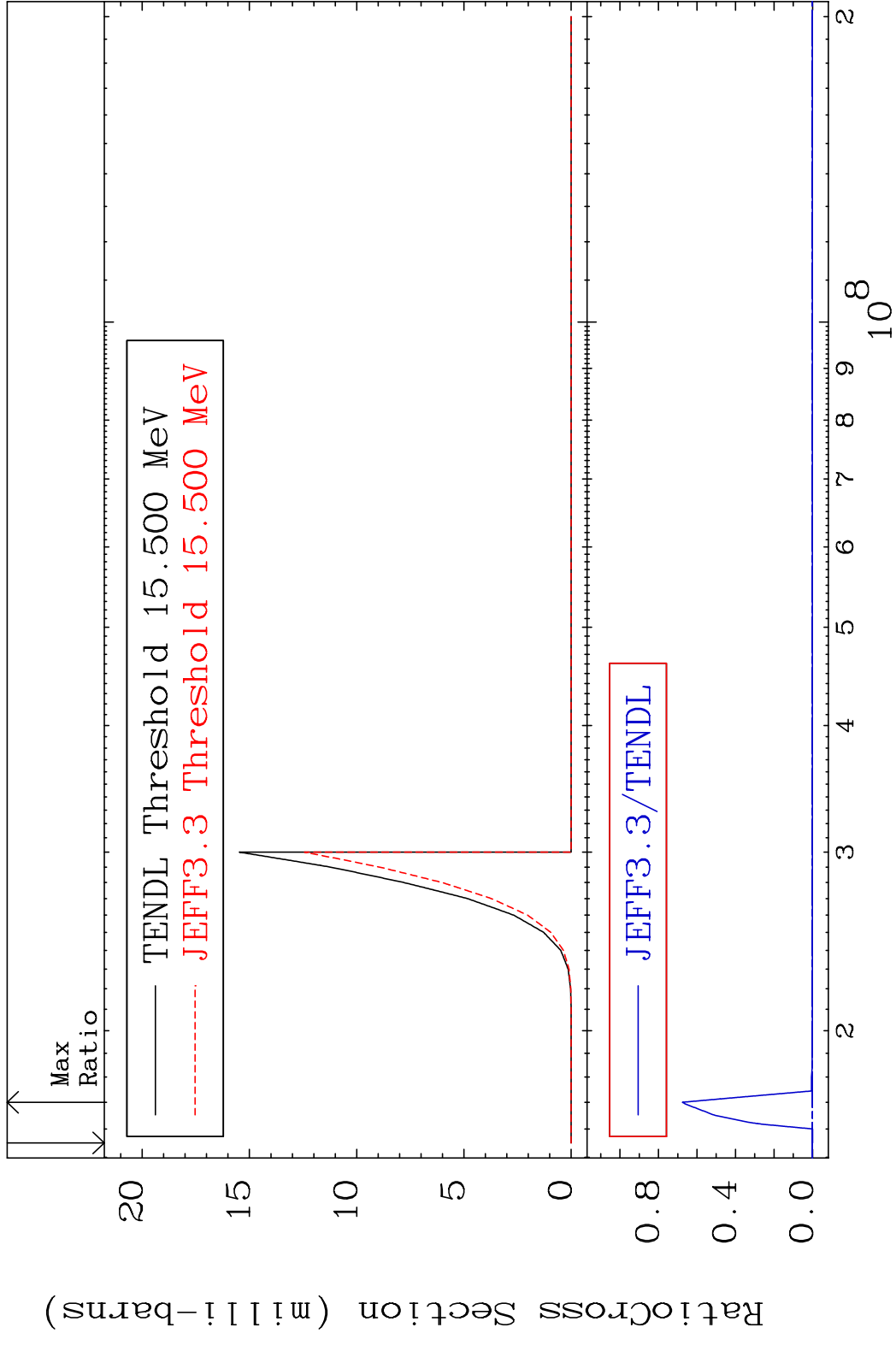


15

Incident Energy (MeV)

68-Er-170

MAT 6849 (n,2n) p 68-Er-170
 Cross Section -100.0 To 9999. %

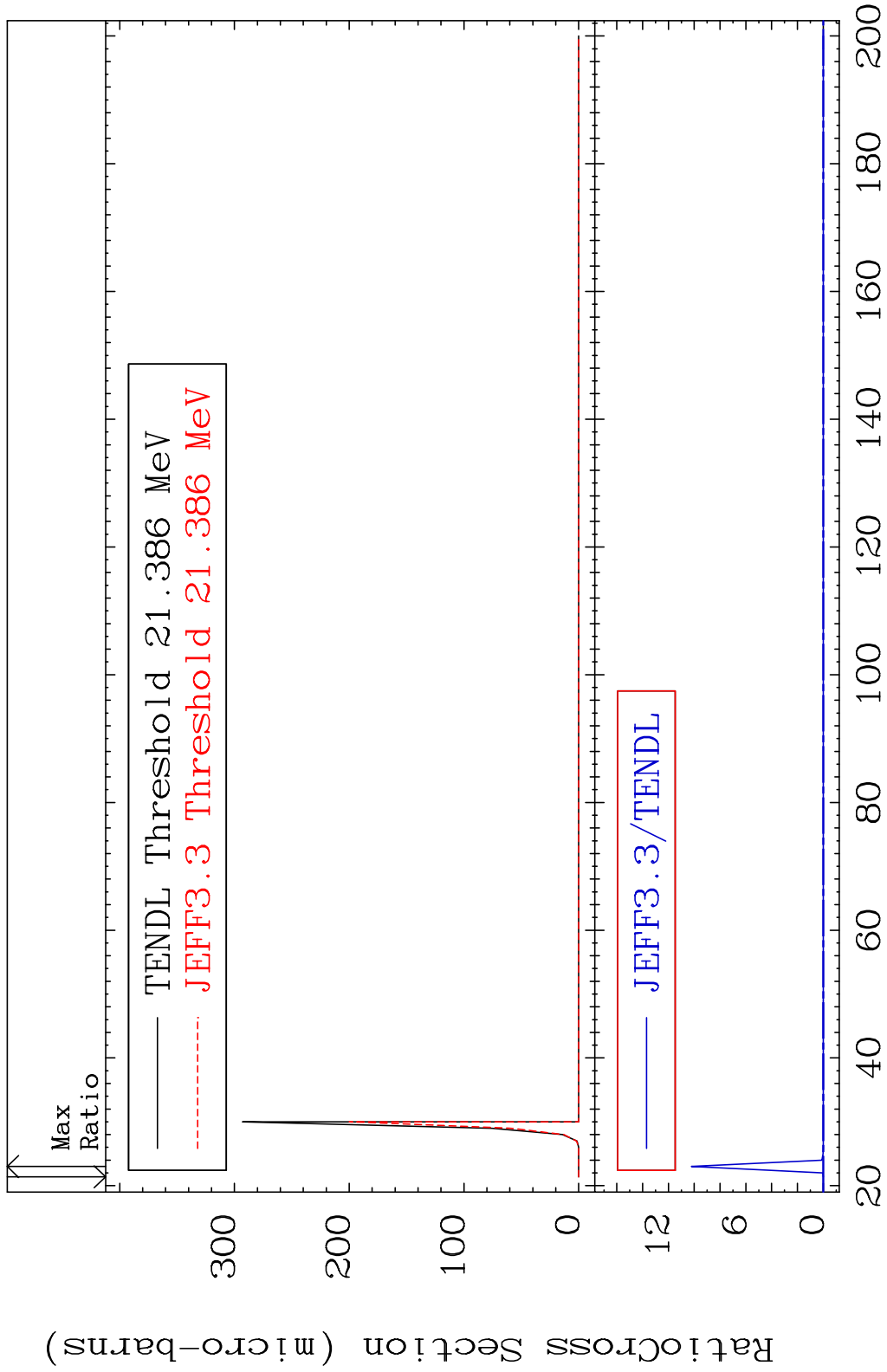


MAT 6849

(n,3n) p

68-Er-170

Cross Section -100.0 To 9999. %

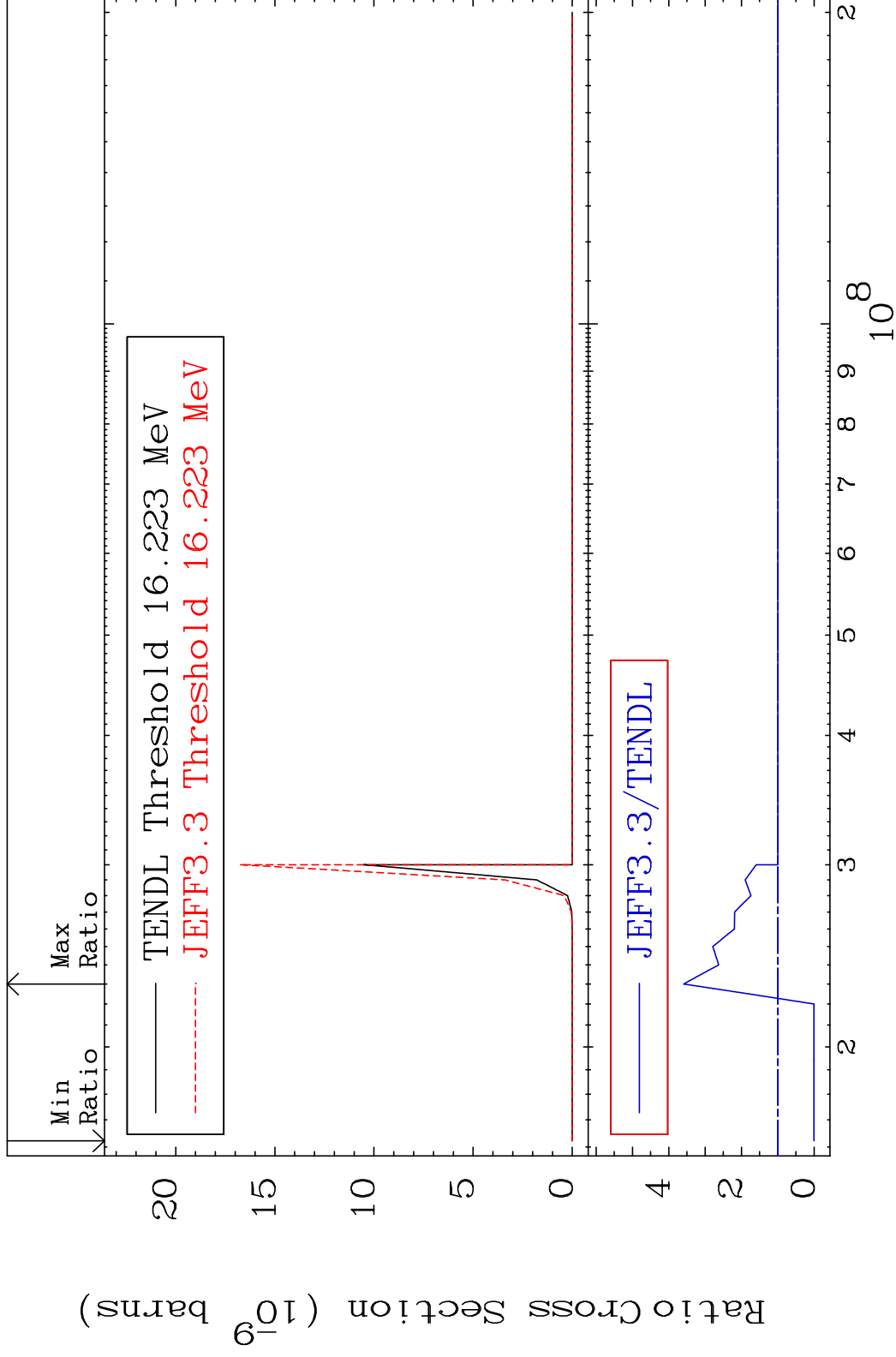


MAT 6849

(n,2n) p

68-Er-170

Cross Section -100.0 To 259.0 %

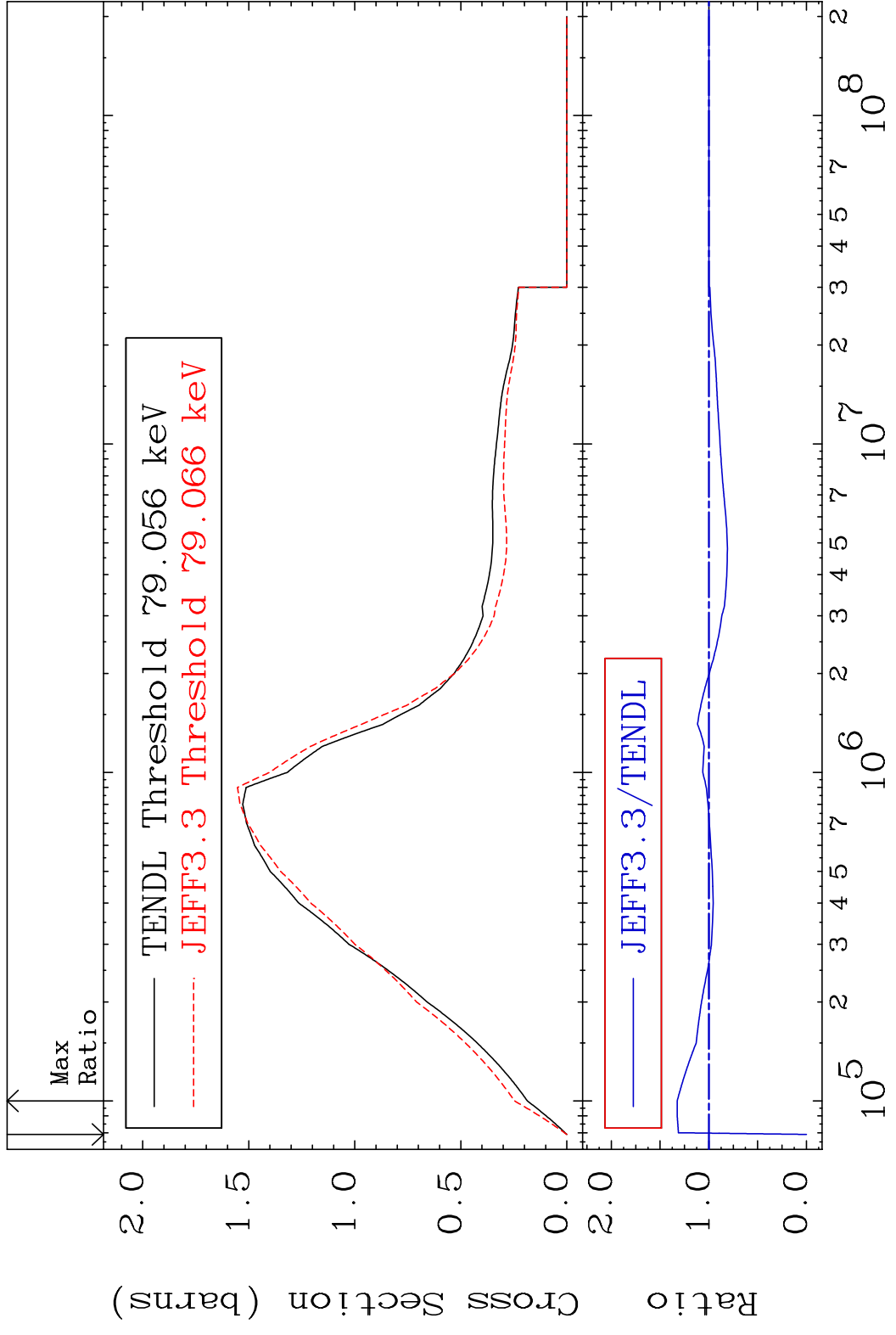


18

Incident Energy (eV)

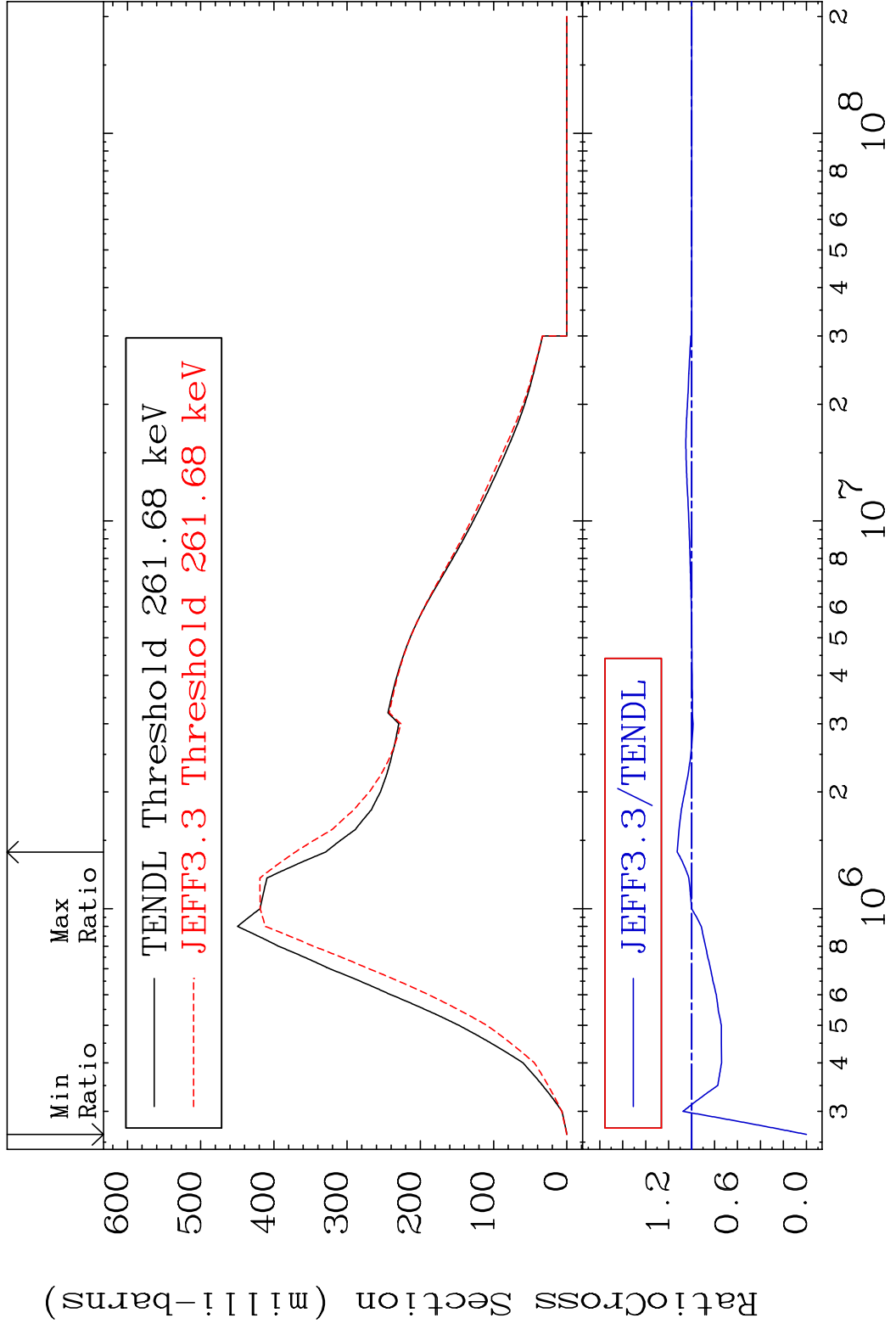
68-Er-170

MAT 6849 MT= 51 (n, n') Level 68-Er-170
 Cross Section -100.0 To 32.49 %

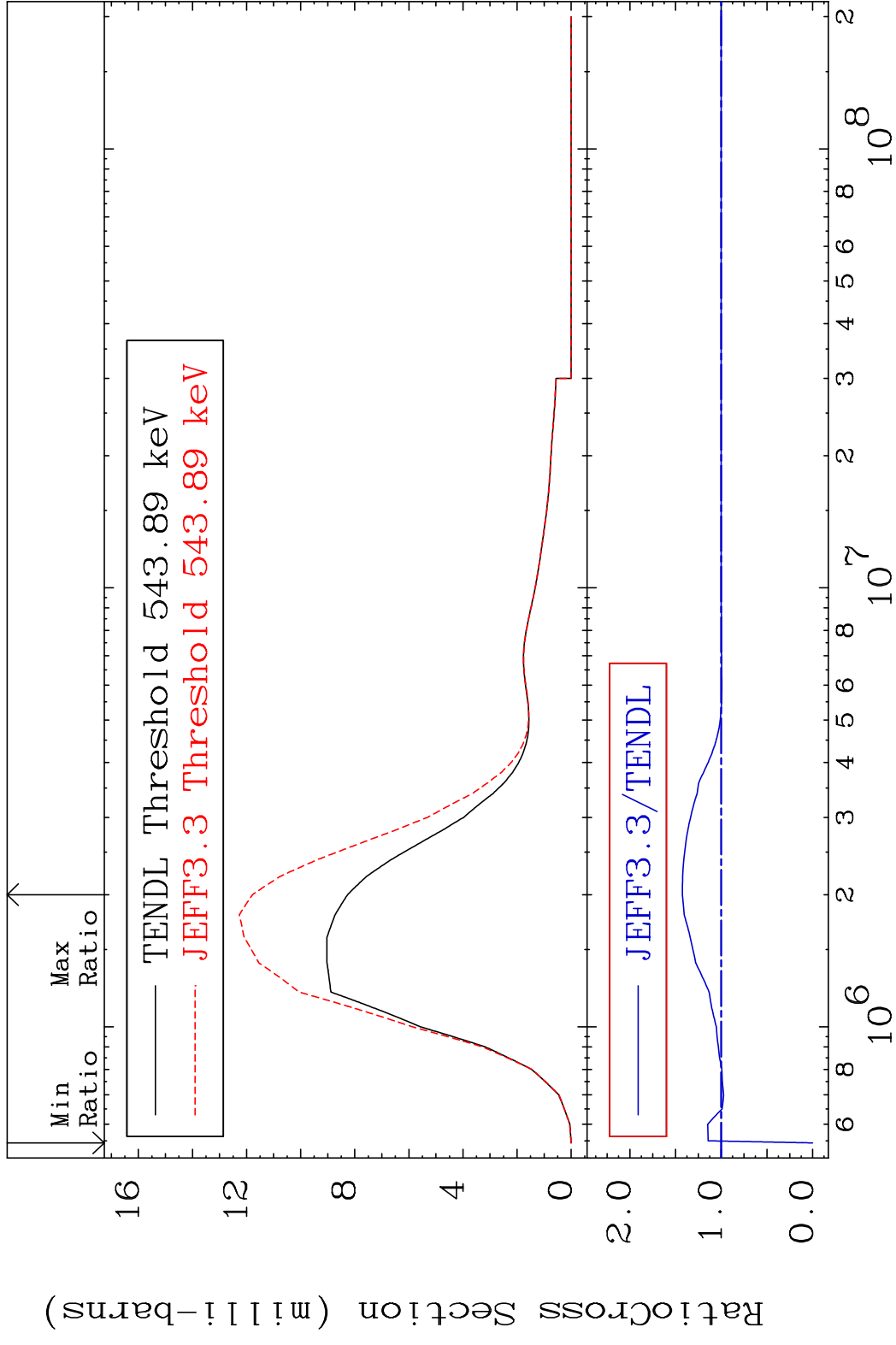


19 Incident Energy (eV) 68-Er-170

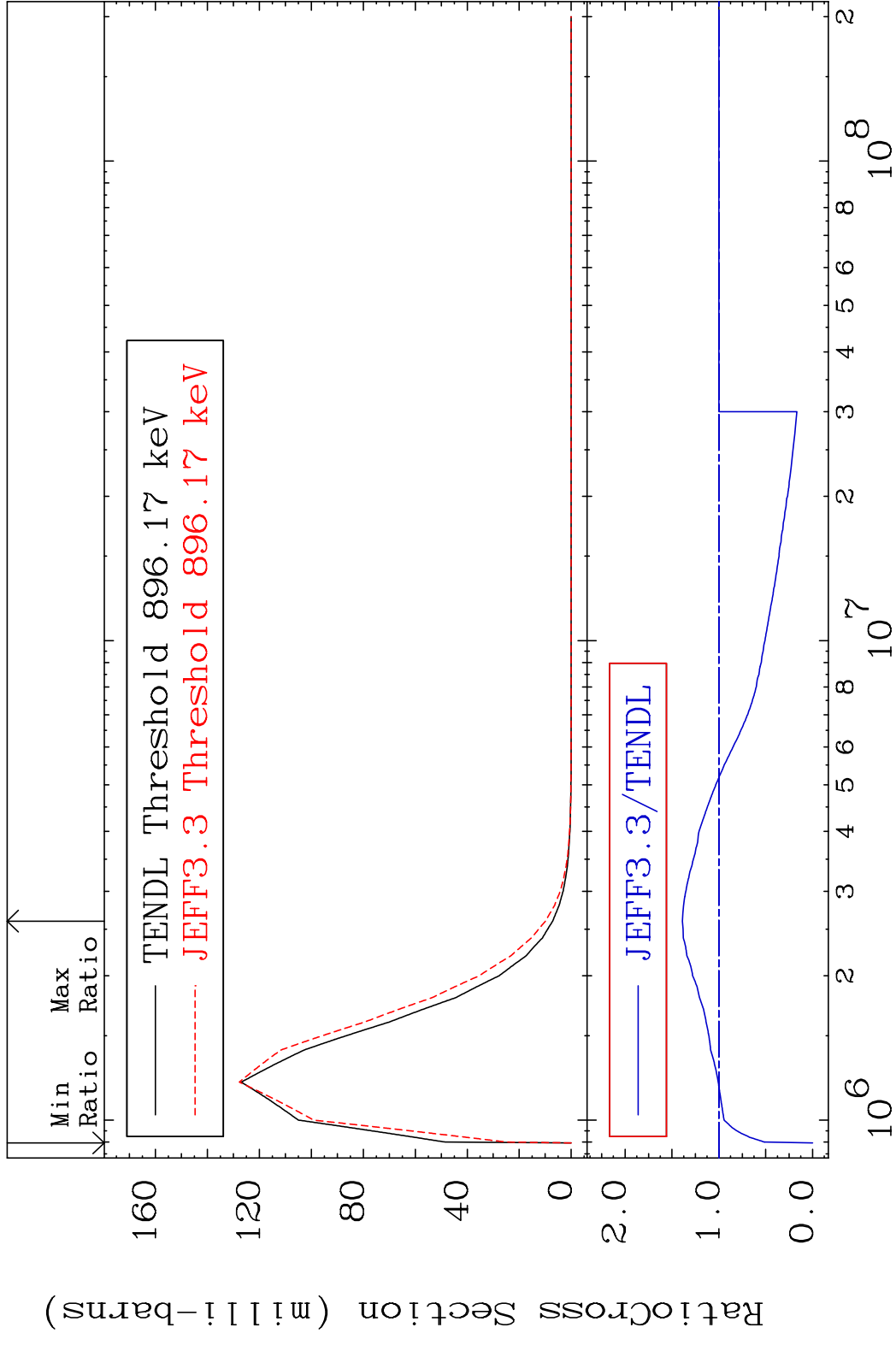
MAT 6849 MT= 52 (n, n') Level 68-Er-170
 Cross Section -100.0 To 12.56 %



MAT 6849 MT= 53 (n, n') Level 68-Er-170
 Cross Section -100.0 To 42.55 %



MAT 6849 MT= 54 (n, n') Level 68-Er-170
 Cross Section -100.0 To 38.93 %

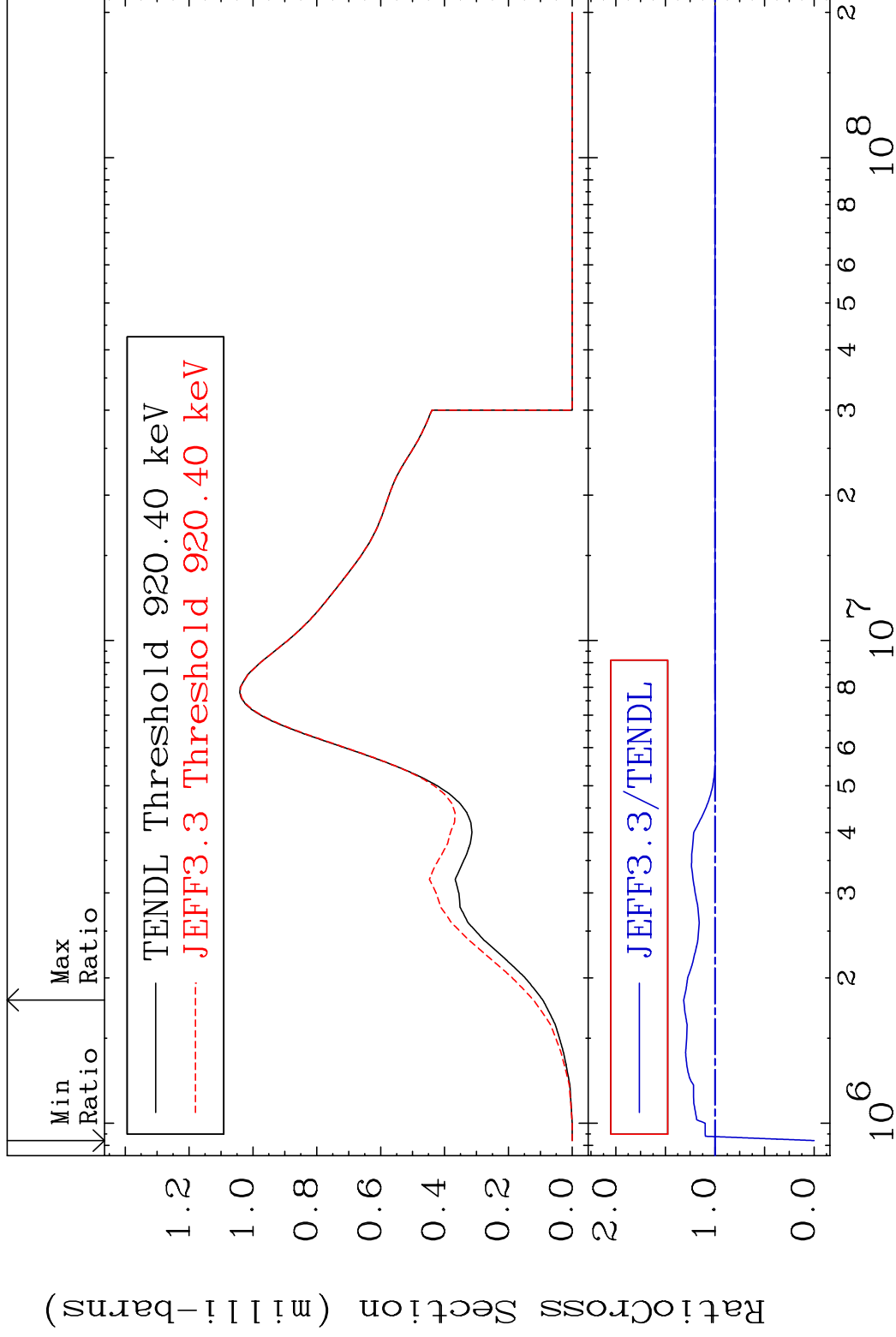


MAT 6849

MT= 55 (n,n') Level

68-Er-170

Cross Section -100.0 To 31.57 %

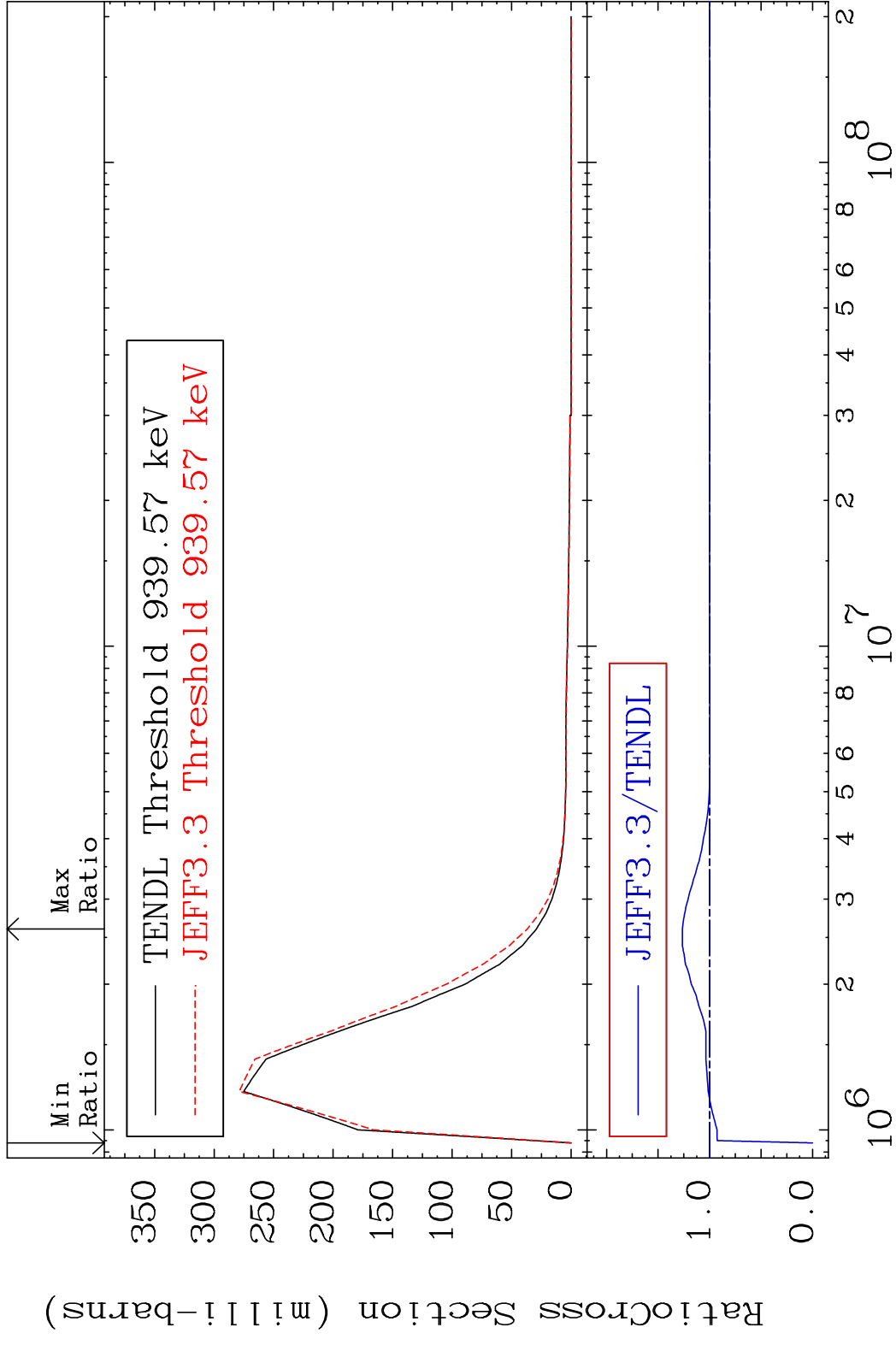


23

Incident Energy (eV)

68-Er-170

MAT 6849 MT= 56 (n,n') Level 68-Er-170
 Cross Section -100.0 To 26.42 %



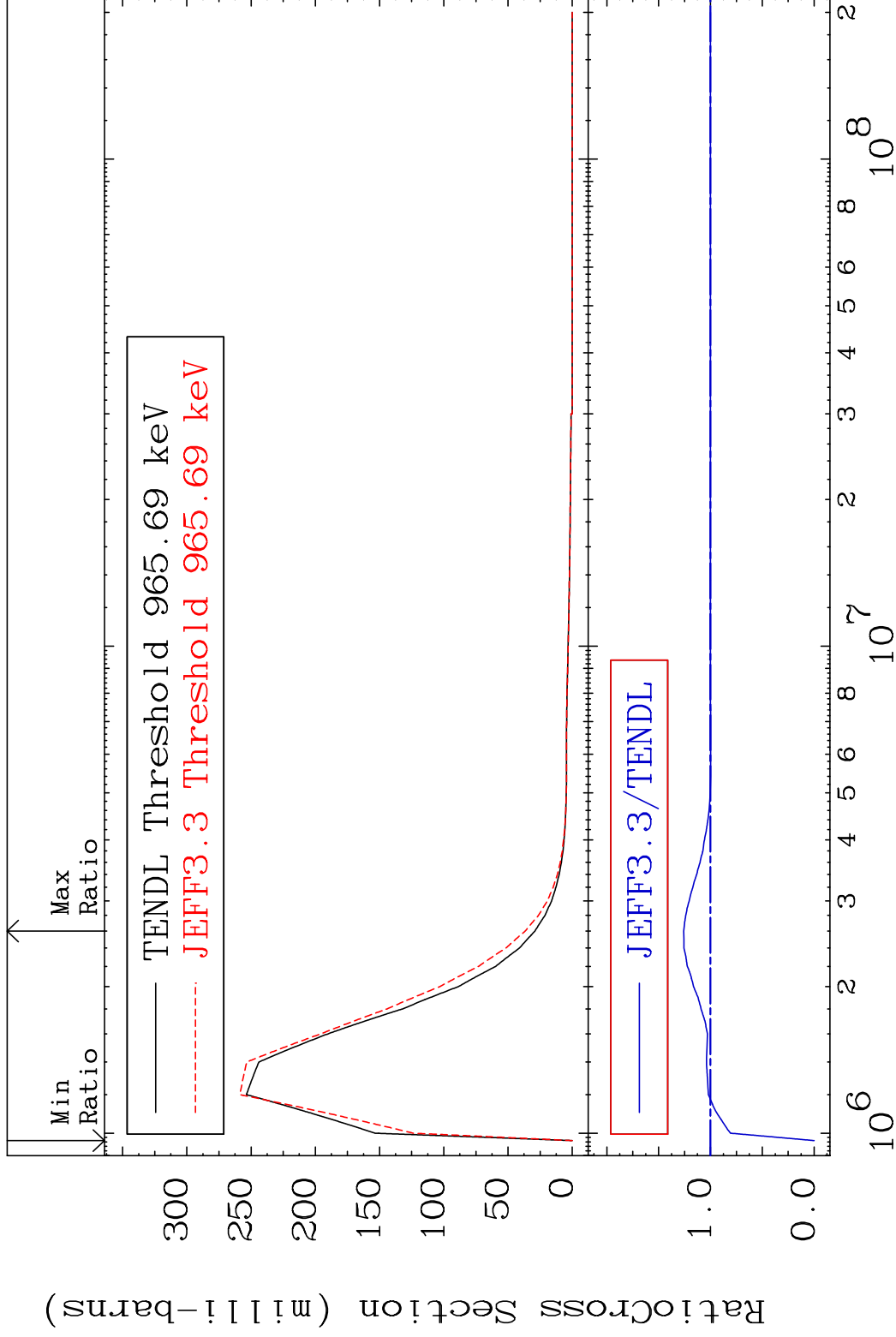
24 Incident Energy (eV) 68-Er-170

MAT 6849

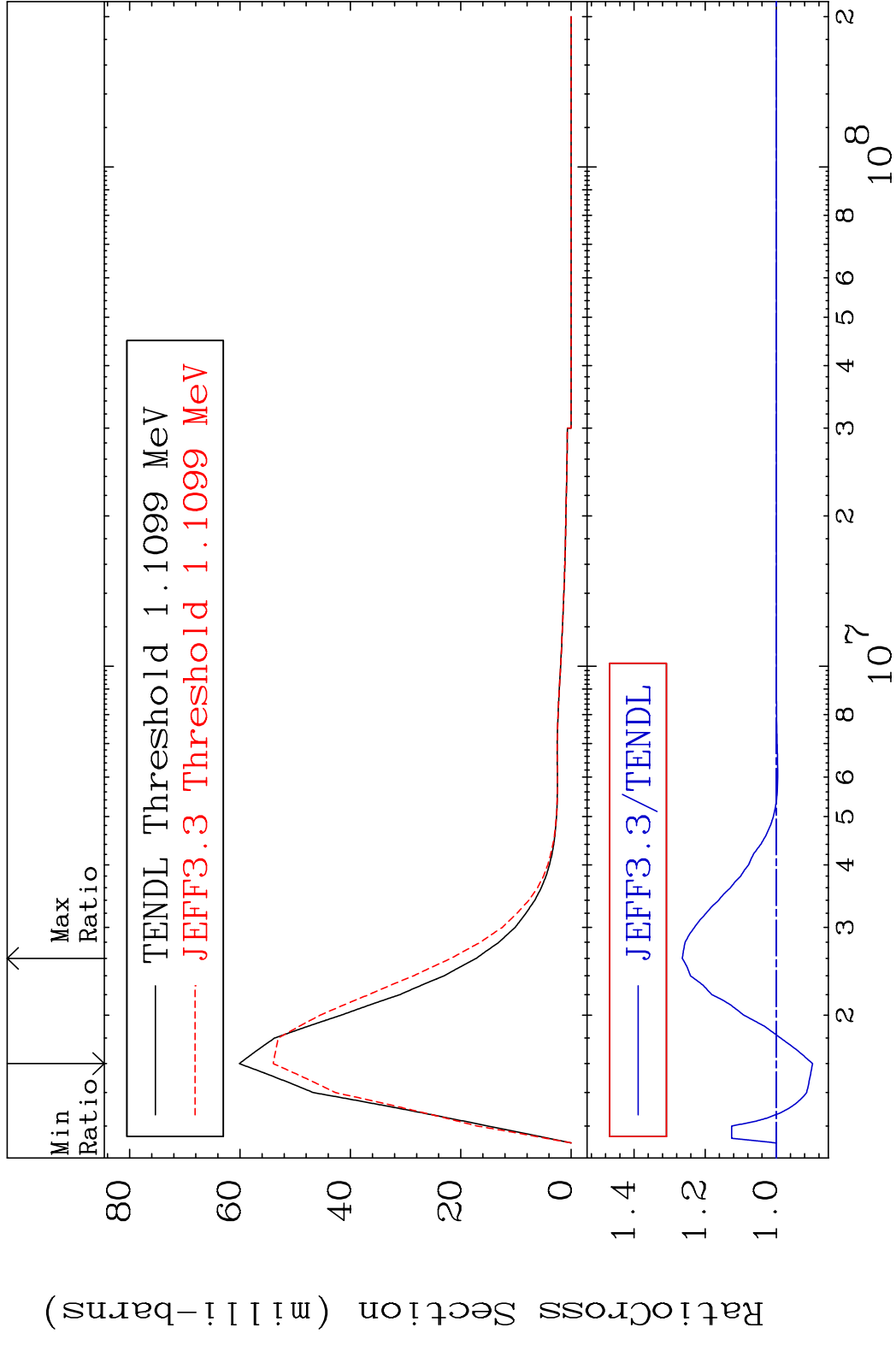
MT= 57 (n, n') Level

68-Er-170

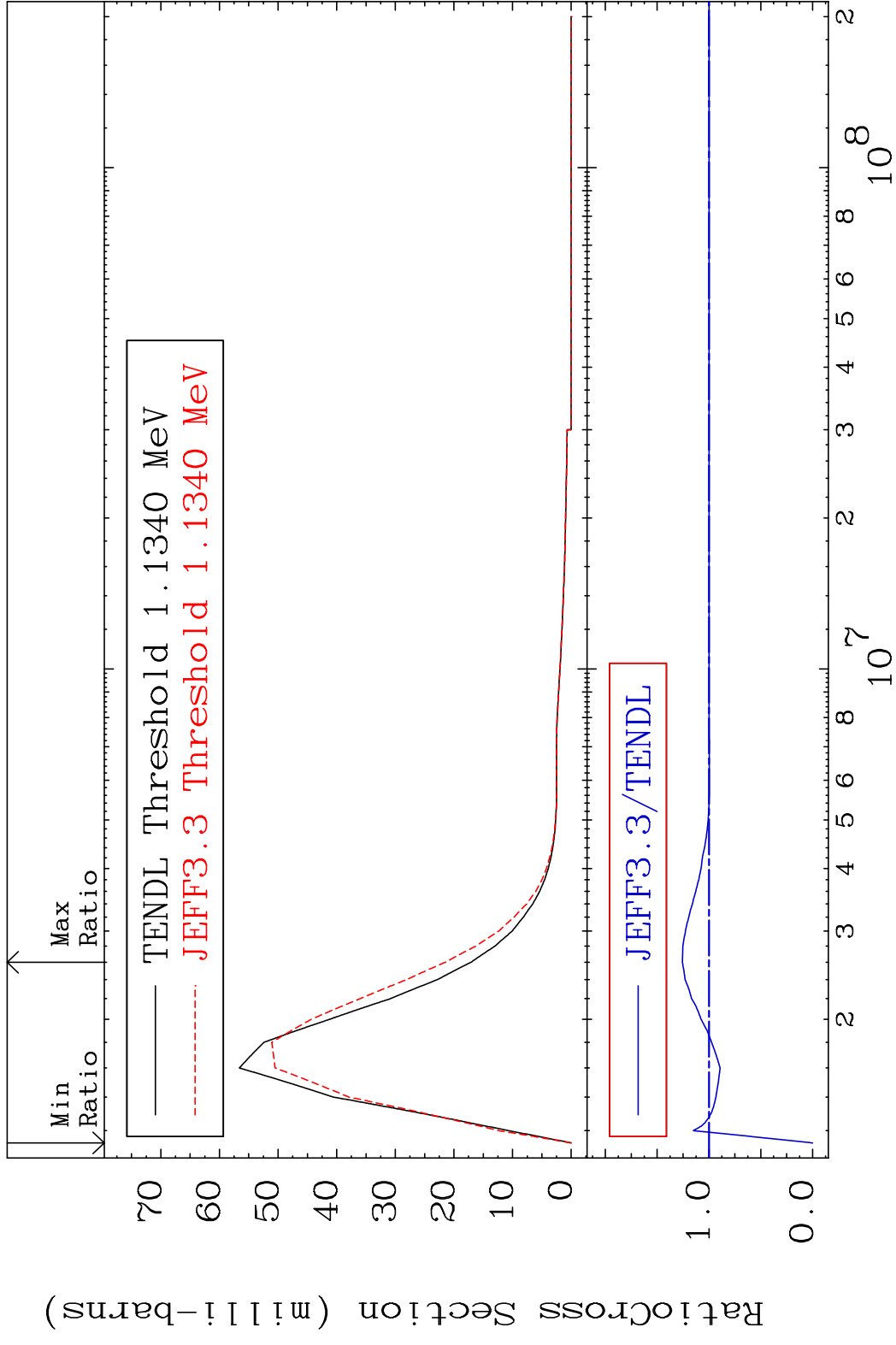
Cross Section -100.0 To 25.86 %



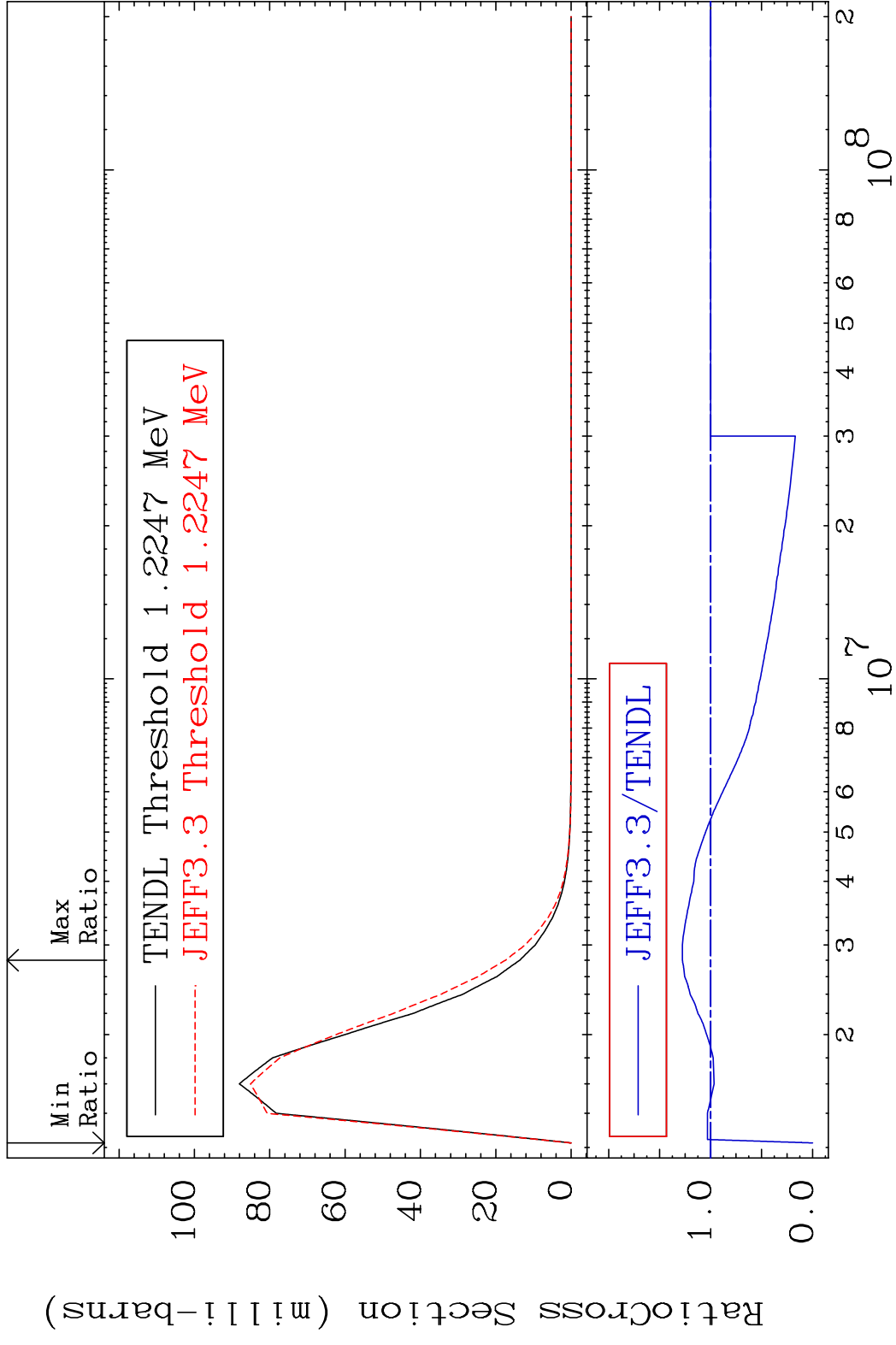
MAT 6849 MT= 59 (n, n') Level 68-Er-170
 Cross Section -10.21 To 26.41 %



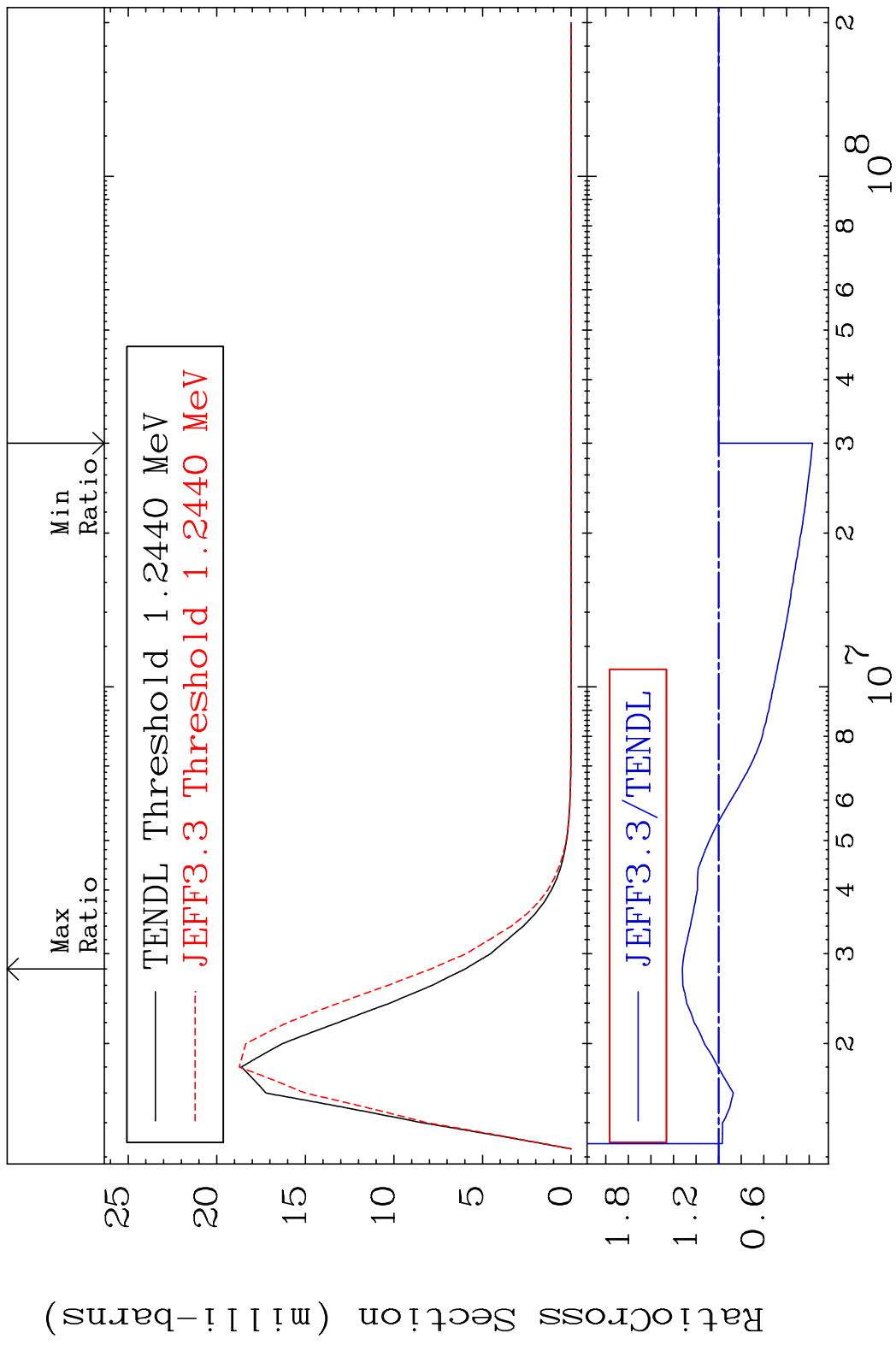
MAT 6849 MT= 60 (n, n') Level 68-Er-170
 Cross Section -100.0 To 25.69 %



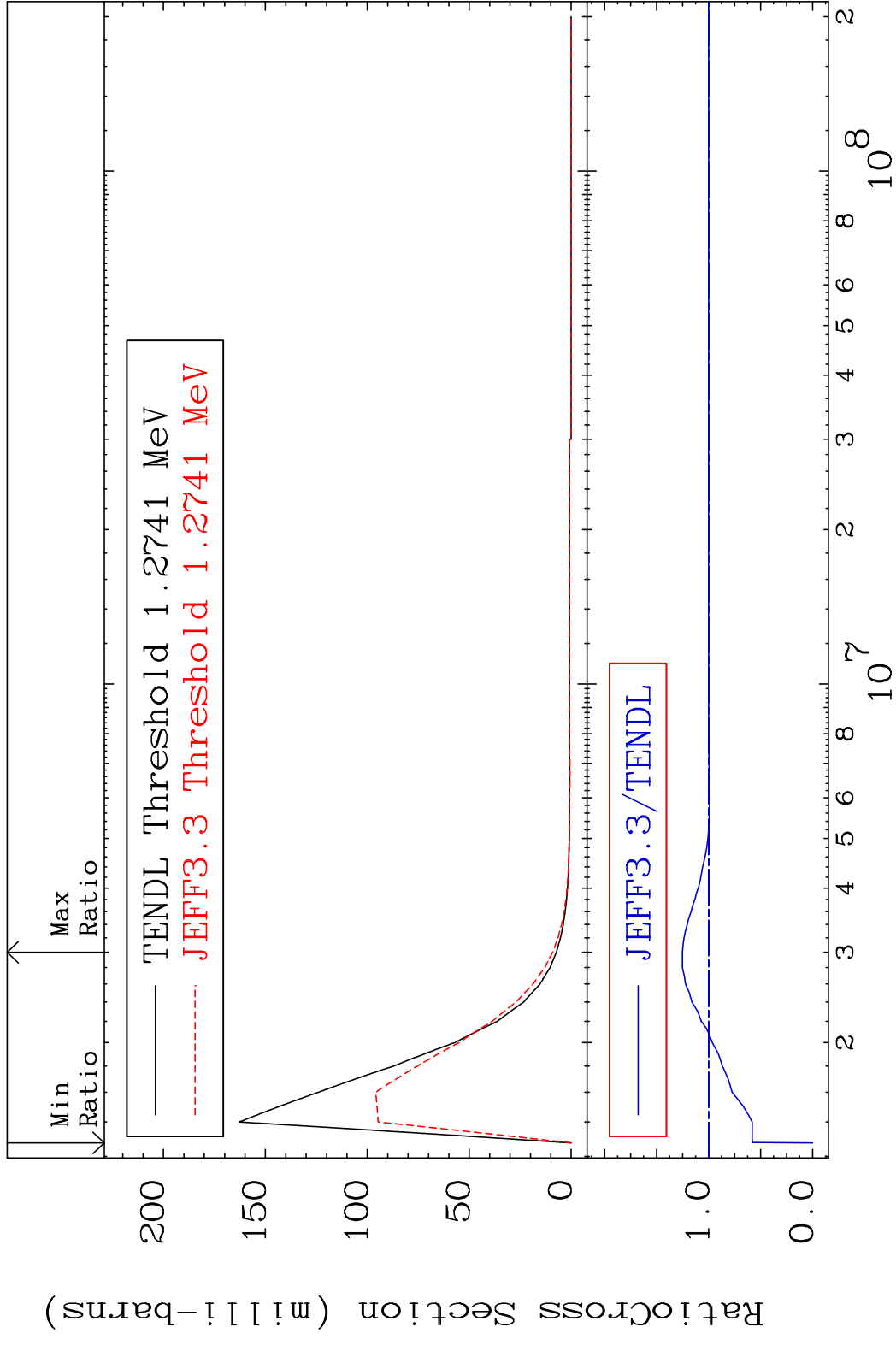
MAT 6849 MT= 61 (n, n') Level 68-Er-170
 Cross Section -100.0 To 27.70 %



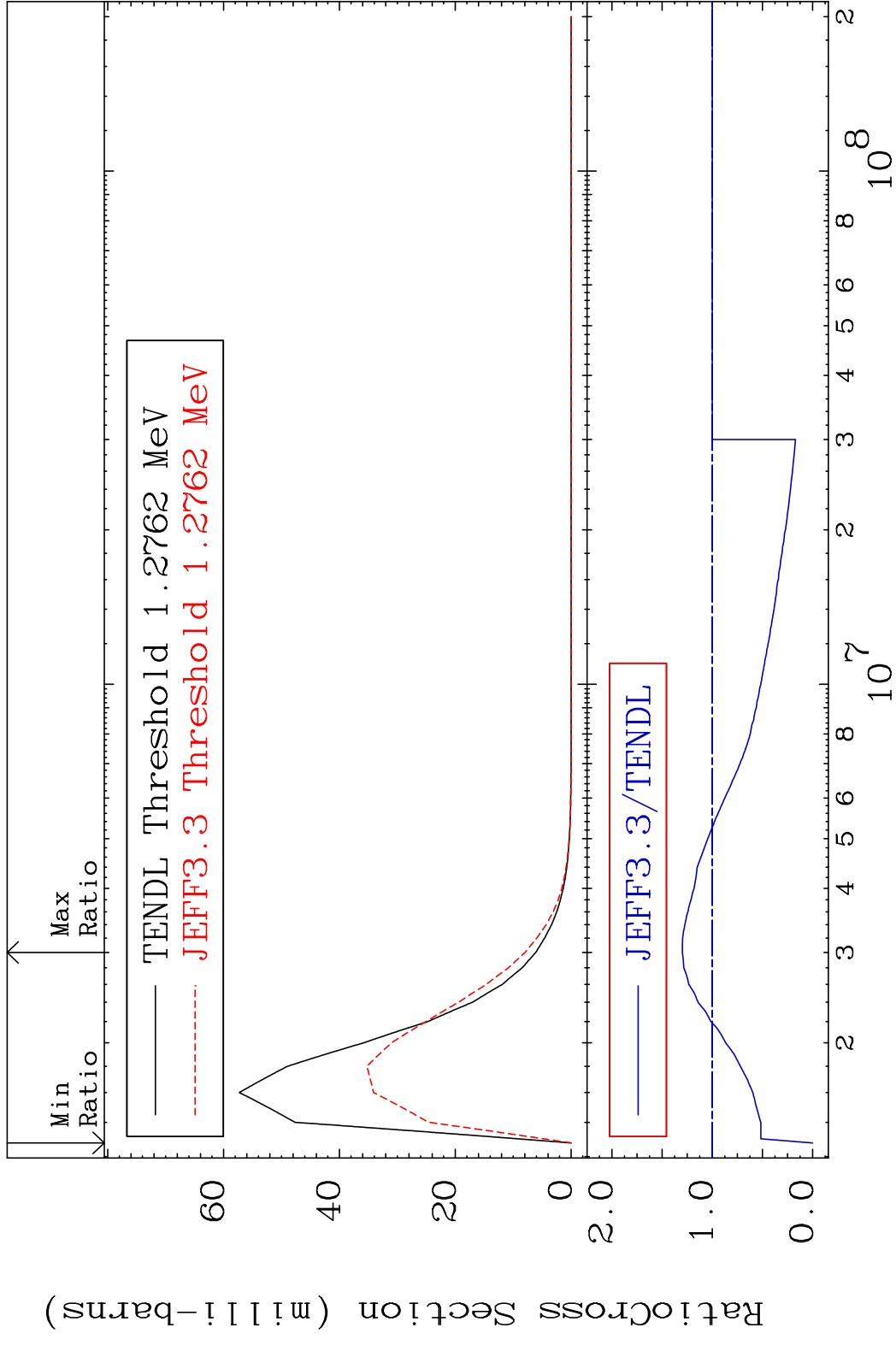
MAT 6849 MT= 62 (n, n') Level 68-Er-170
 Cross Section -83.05 To 32.19 %



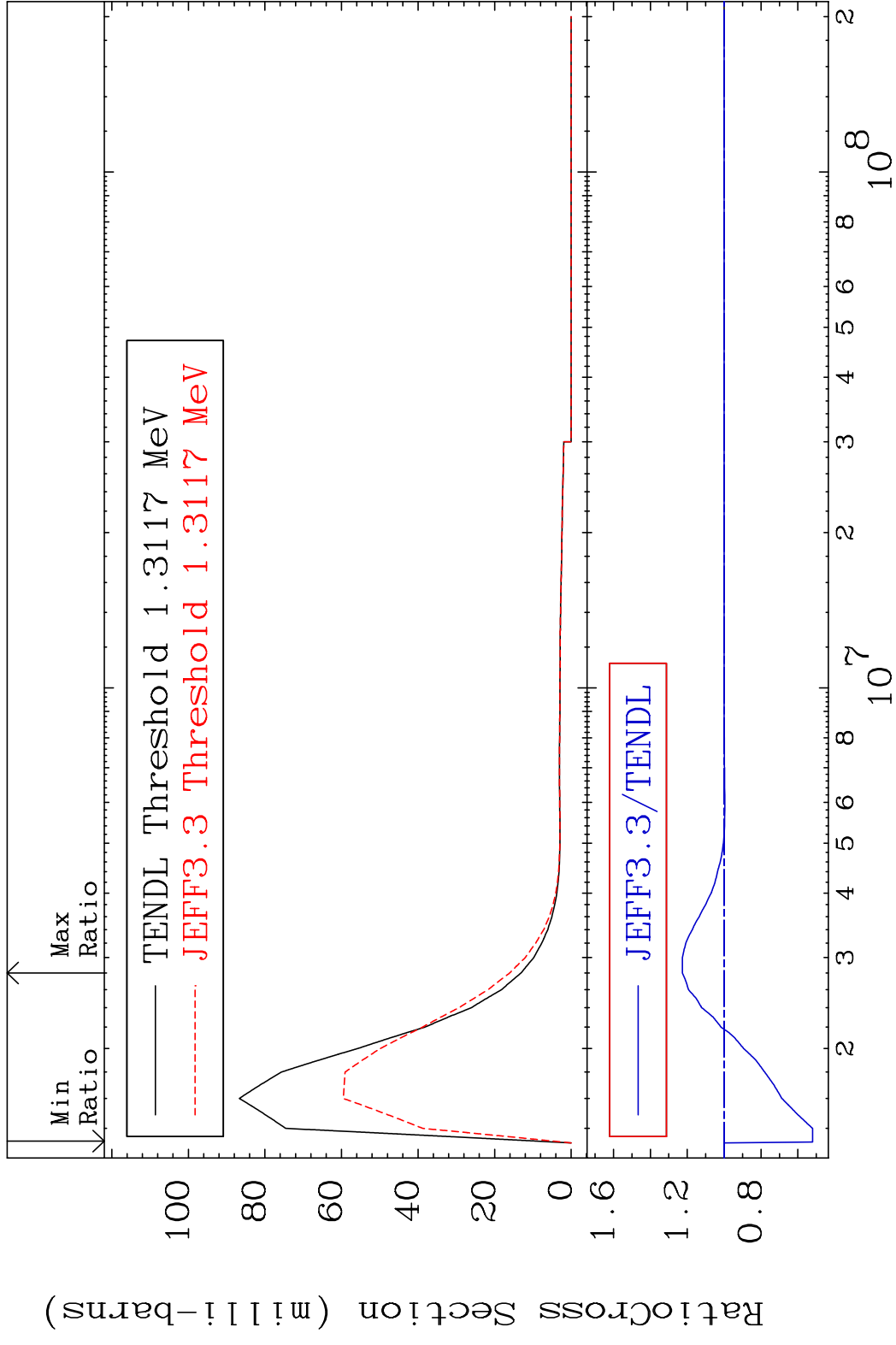
MAT 6849 MT= 63 (n, n') Level 68-Er-170
 Cross Section -100.0 To 25.18 %



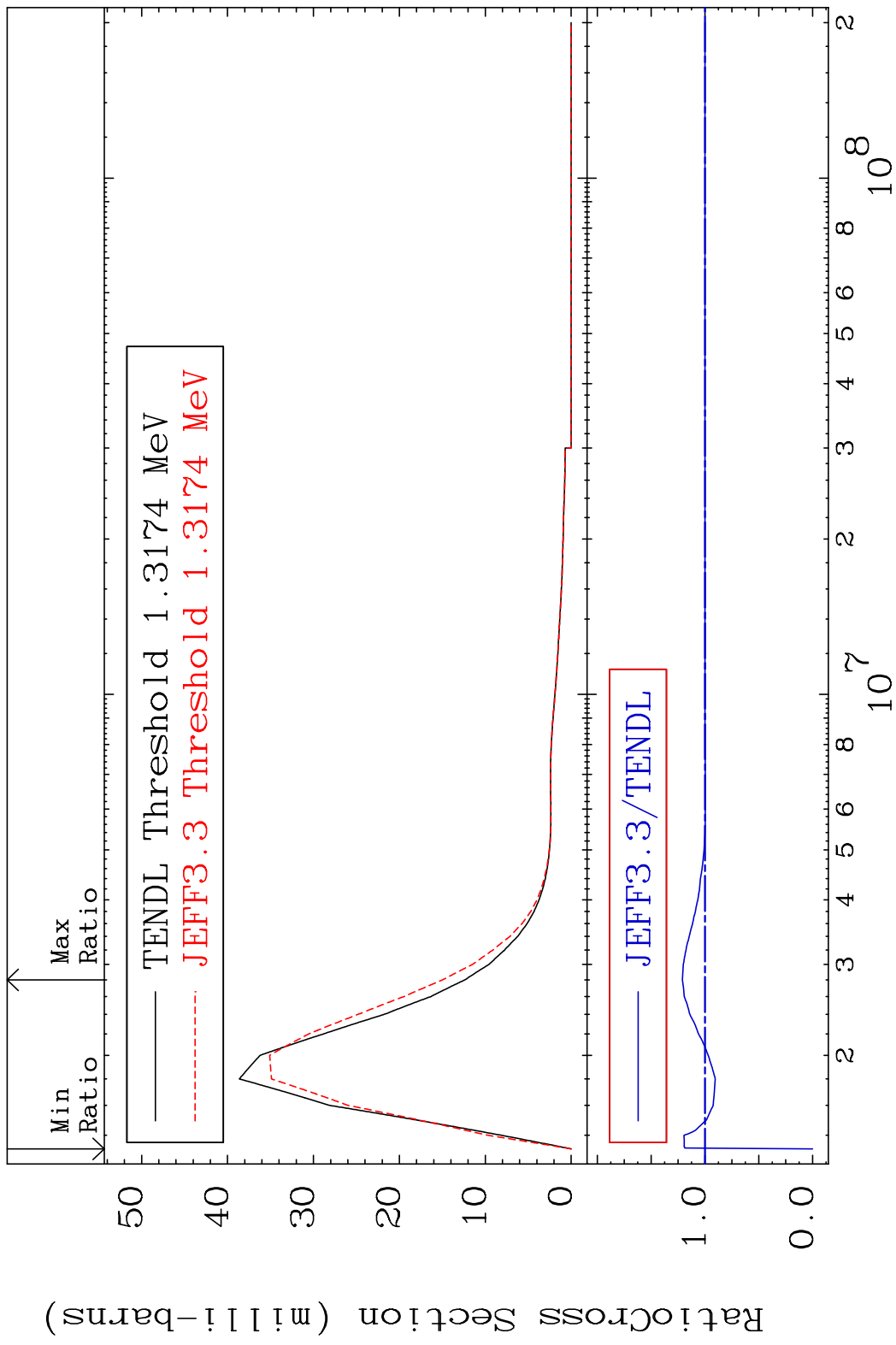
MAT 6849 MT= 64 (n, n') Level 68-Er-170
 Cross Section -100.0 To 29.75 %



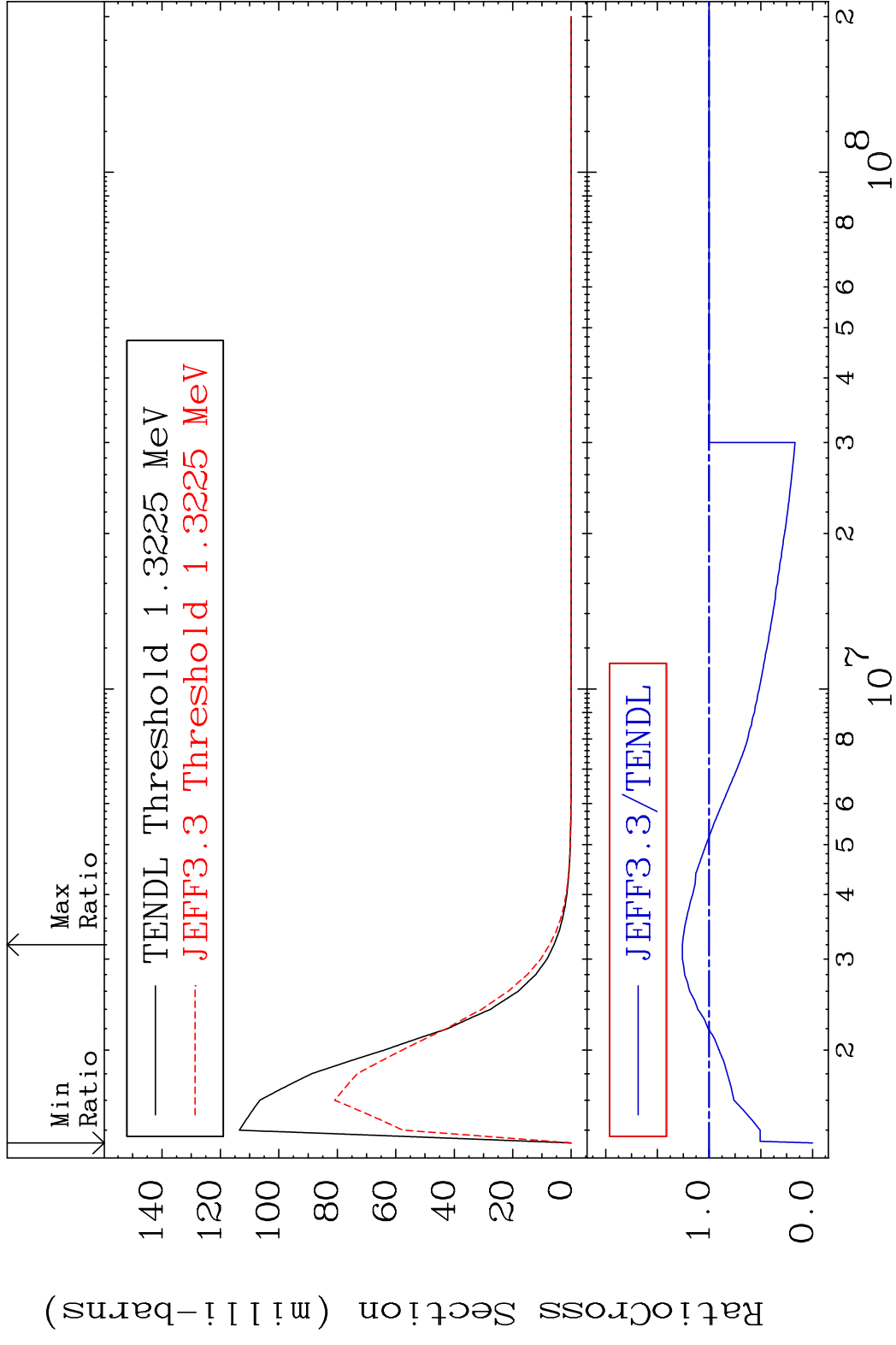
MAT 6849 MT= 65 (n,n') Level 68-Er-170
 Cross Section -47.97 To 22.65 %



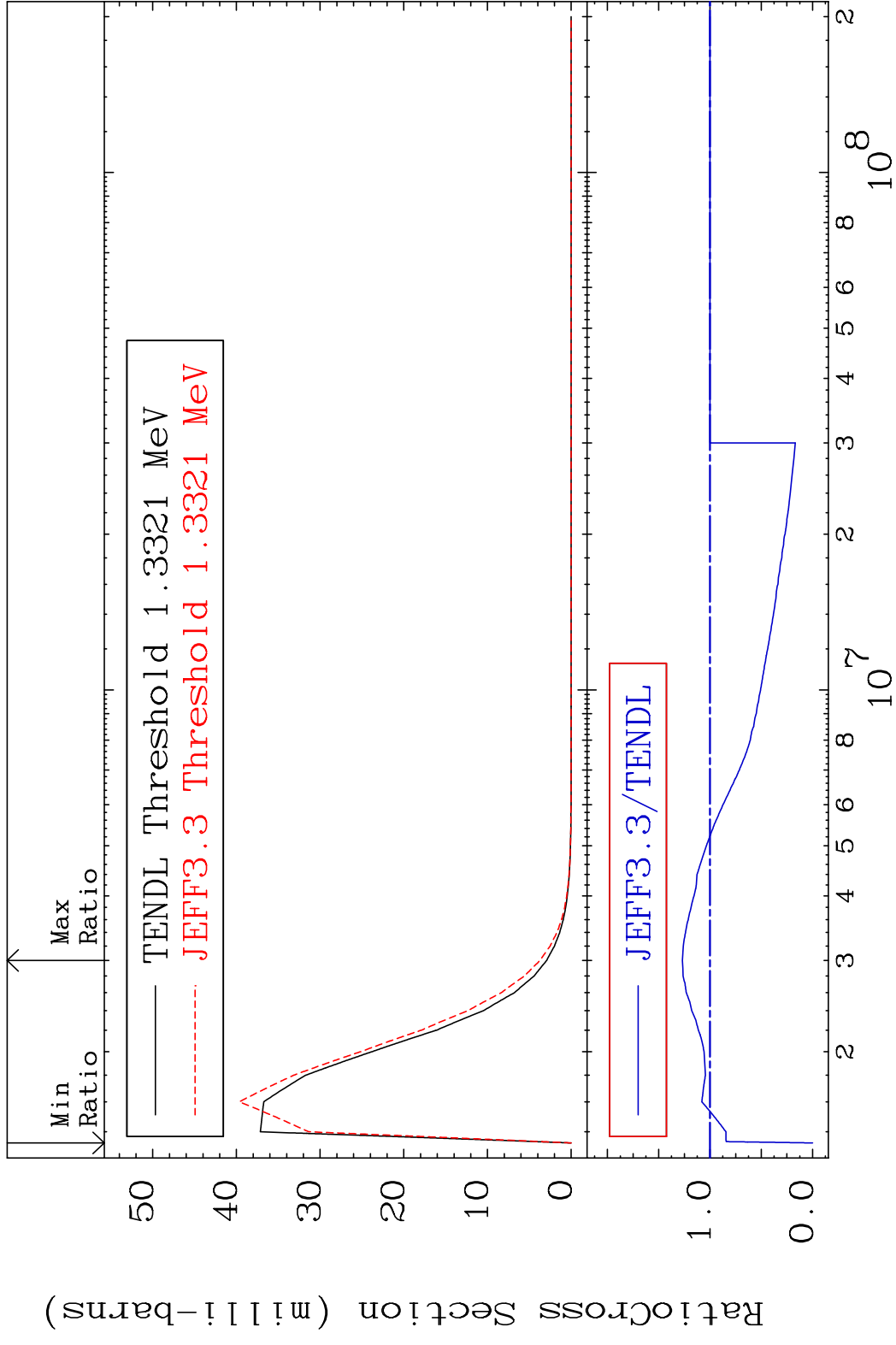
MAT 6849 MT= 66 (n, n') Level 68-Er-170
 Cross Section -100.0 To 20.94 %



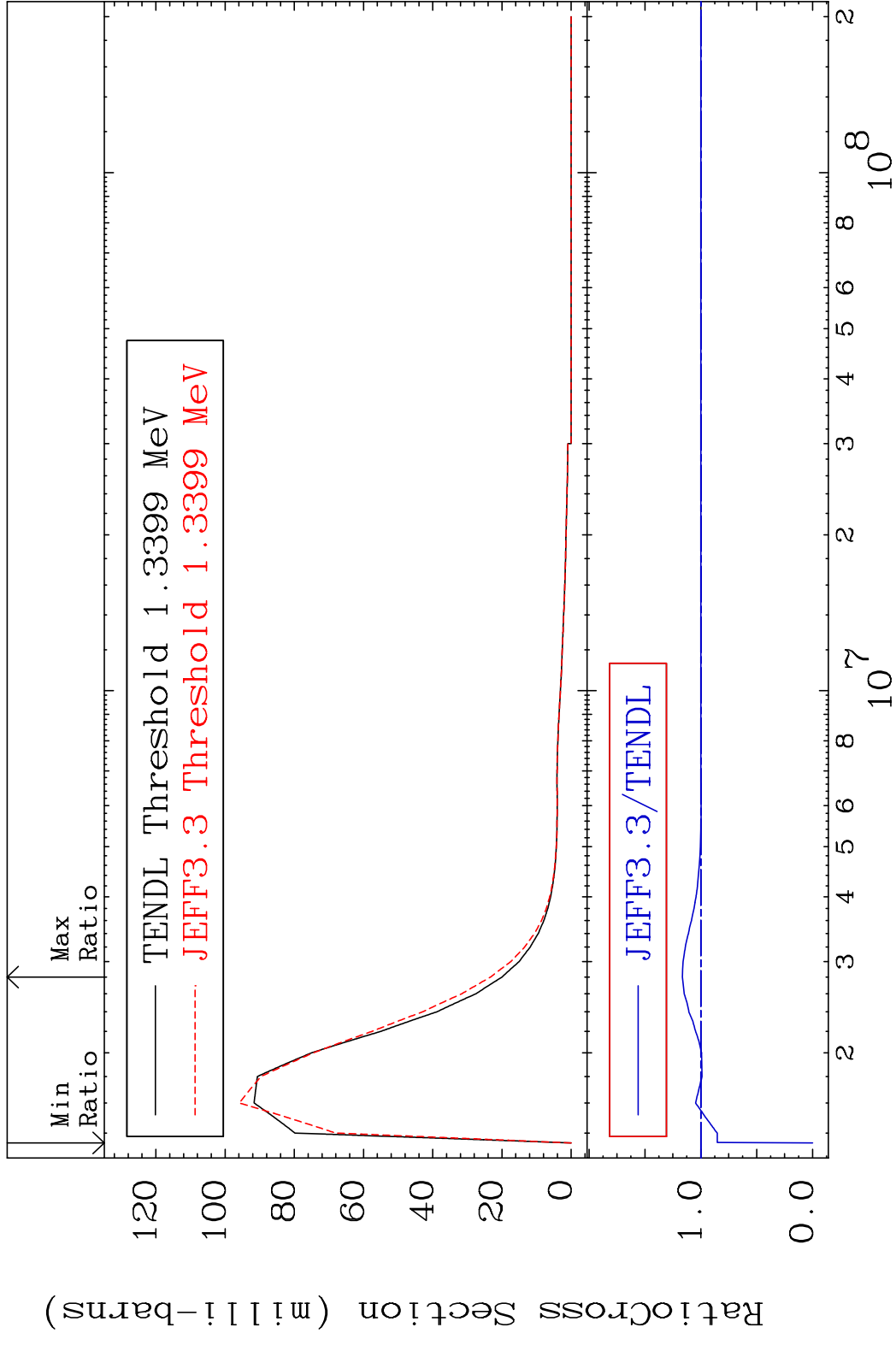
MAT 6849 MT= 67 (n, n') Level 68-Er-170
 Cross Section -100.0 To 25.86 %



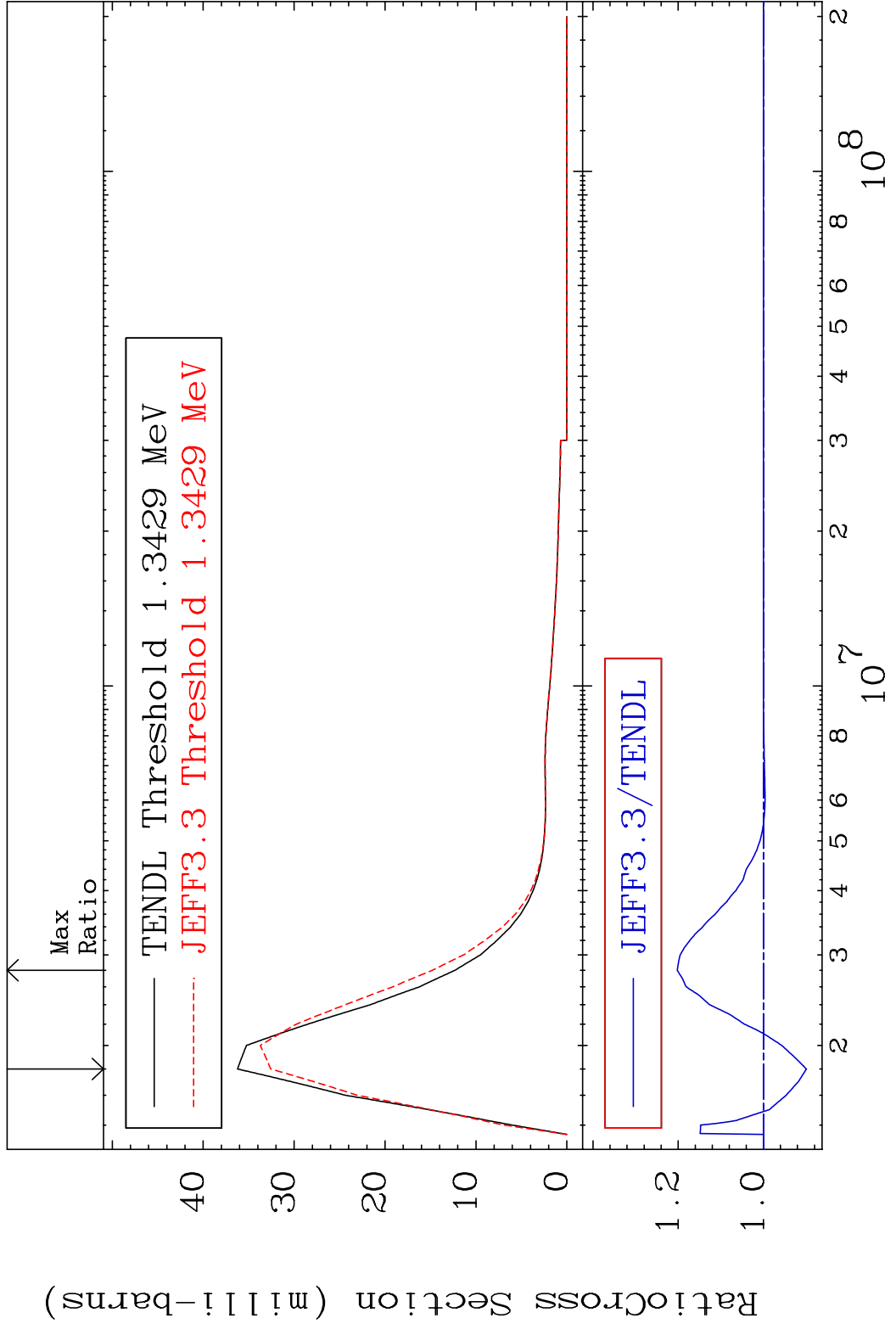
MAT 6849 MT= 68 (n, n') Level 68-Er-170
 Cross Section -100.0 To 26.96 %



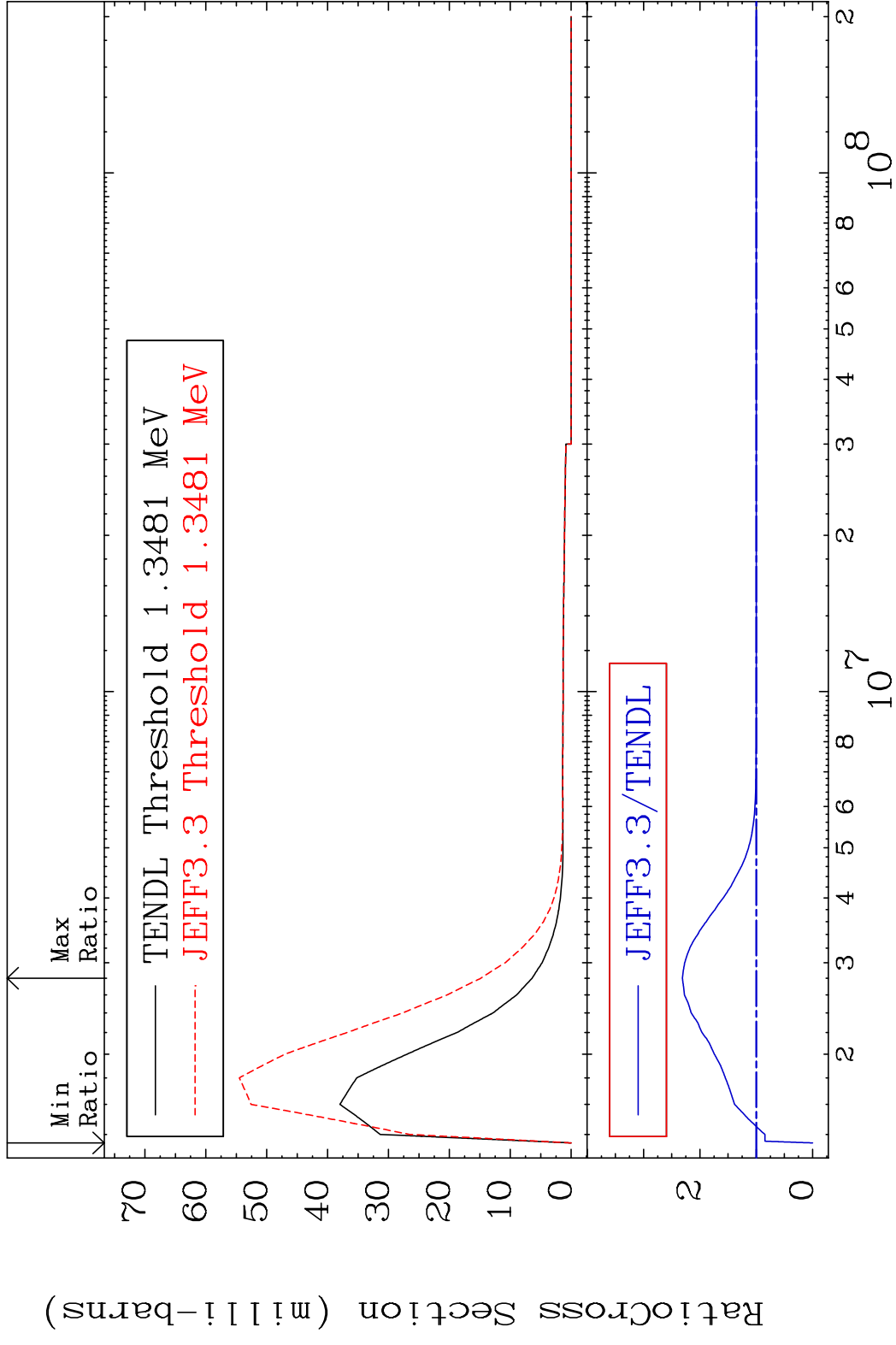
MAT 6849 MT= 69 (n,n') Level 68-Er-170
 Cross Section -100.0 To 16.50 %



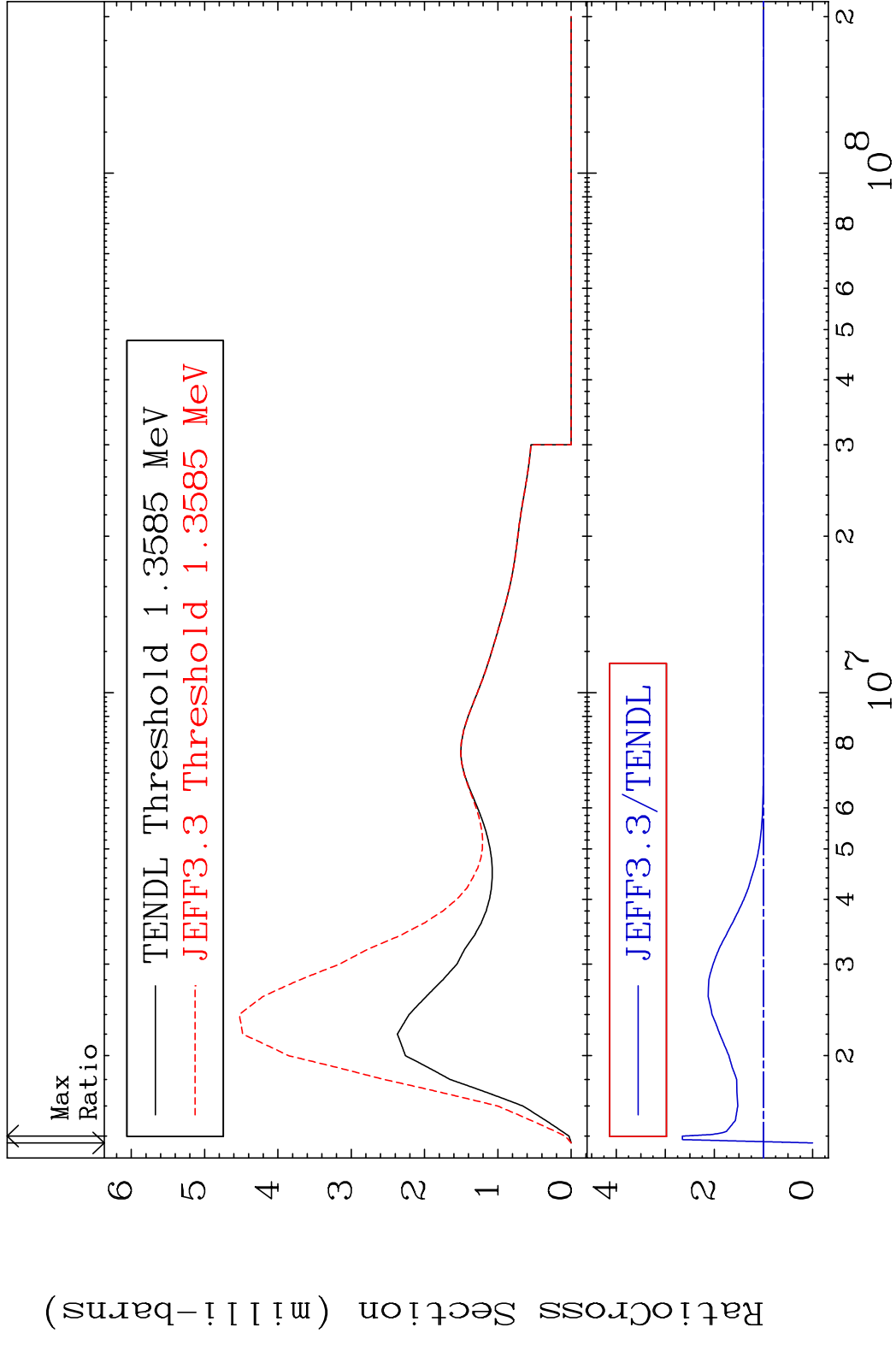
MAT 6849 MT= 70 (n, n') Level 68-Er-170
 Cross Section -10.09 To 20.23 %



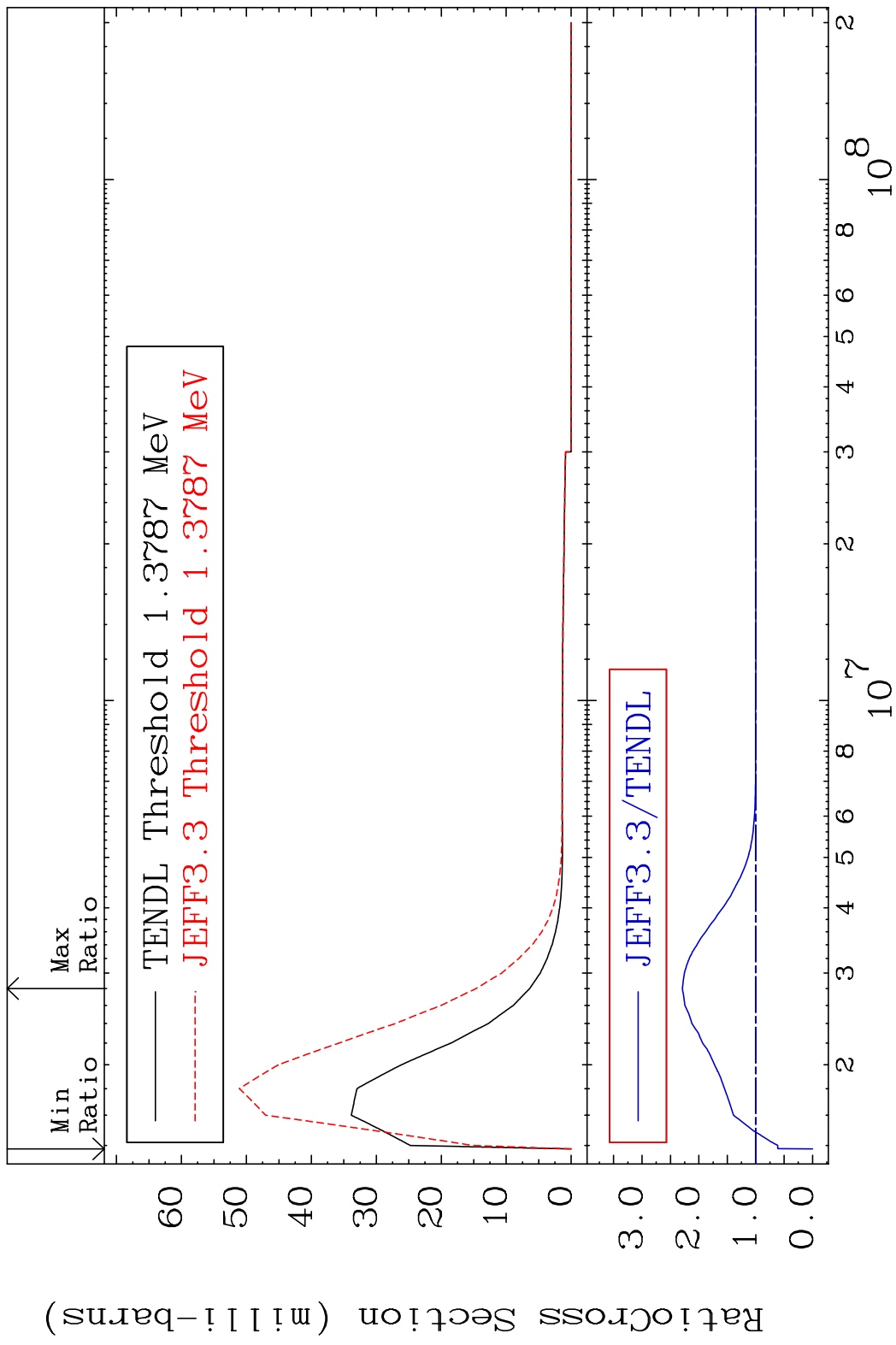
MAT 6849 MT= 71 (n, n') Level 68-Er-170
 Cross Section -100.0 To 131.1 %



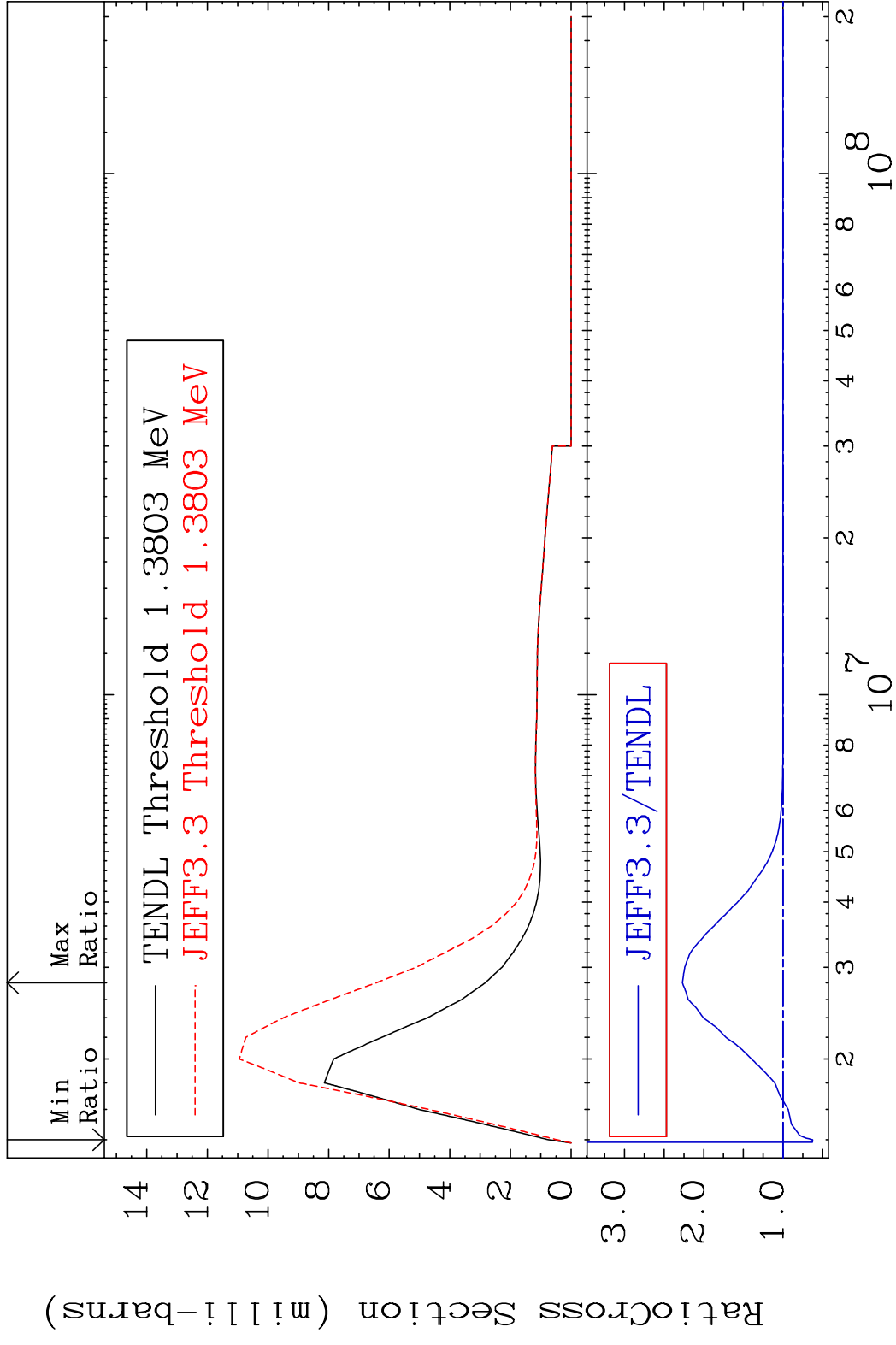
MAT 6849 MT= 72 (n, n') Level 68-Er-170
 Cross Section -100.0 To 165.3 %



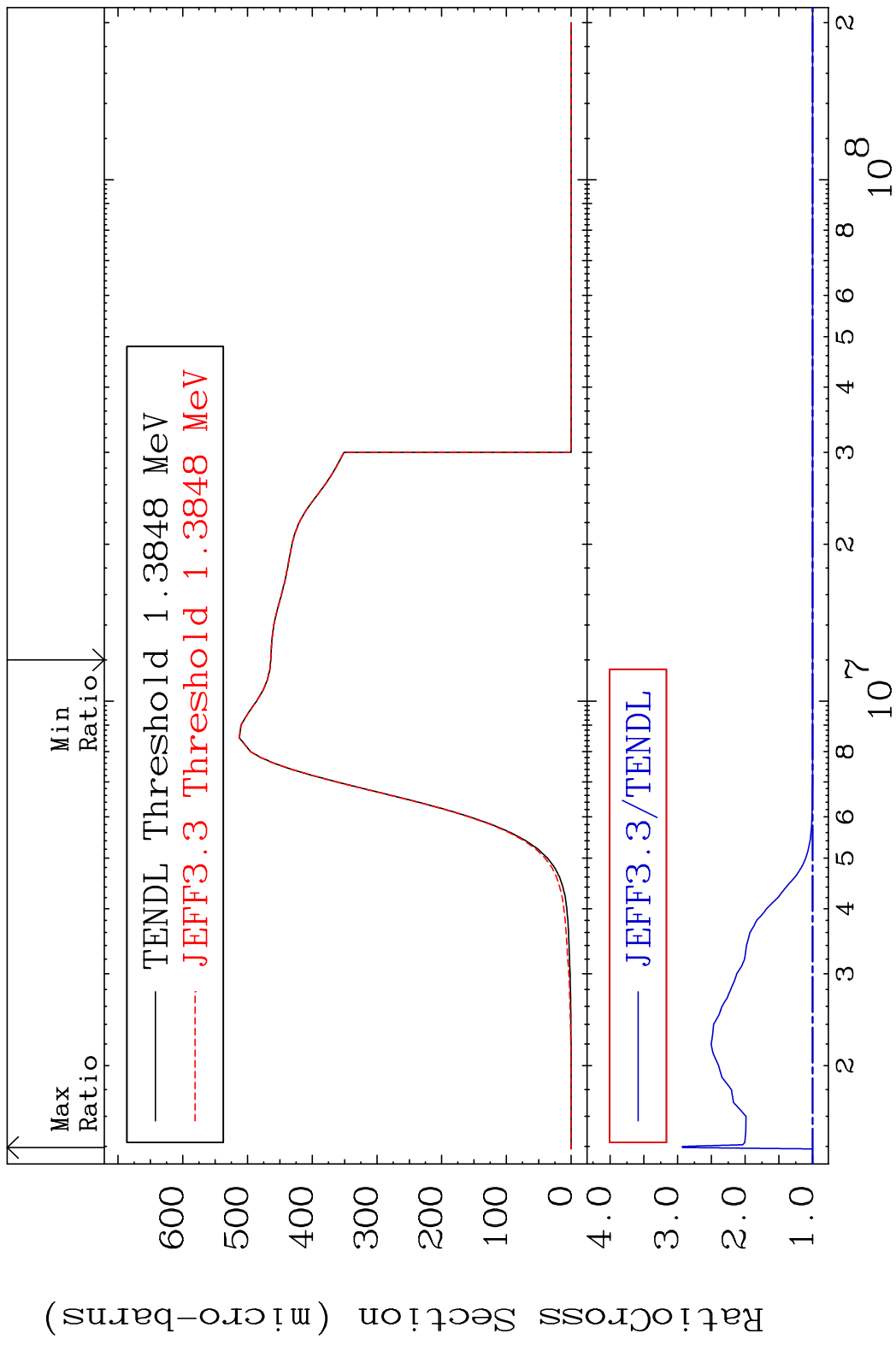
MAT 6849 MT= 73 (n, n') Level 68-Er-170
 Cross Section -100.0 To 129.0 %



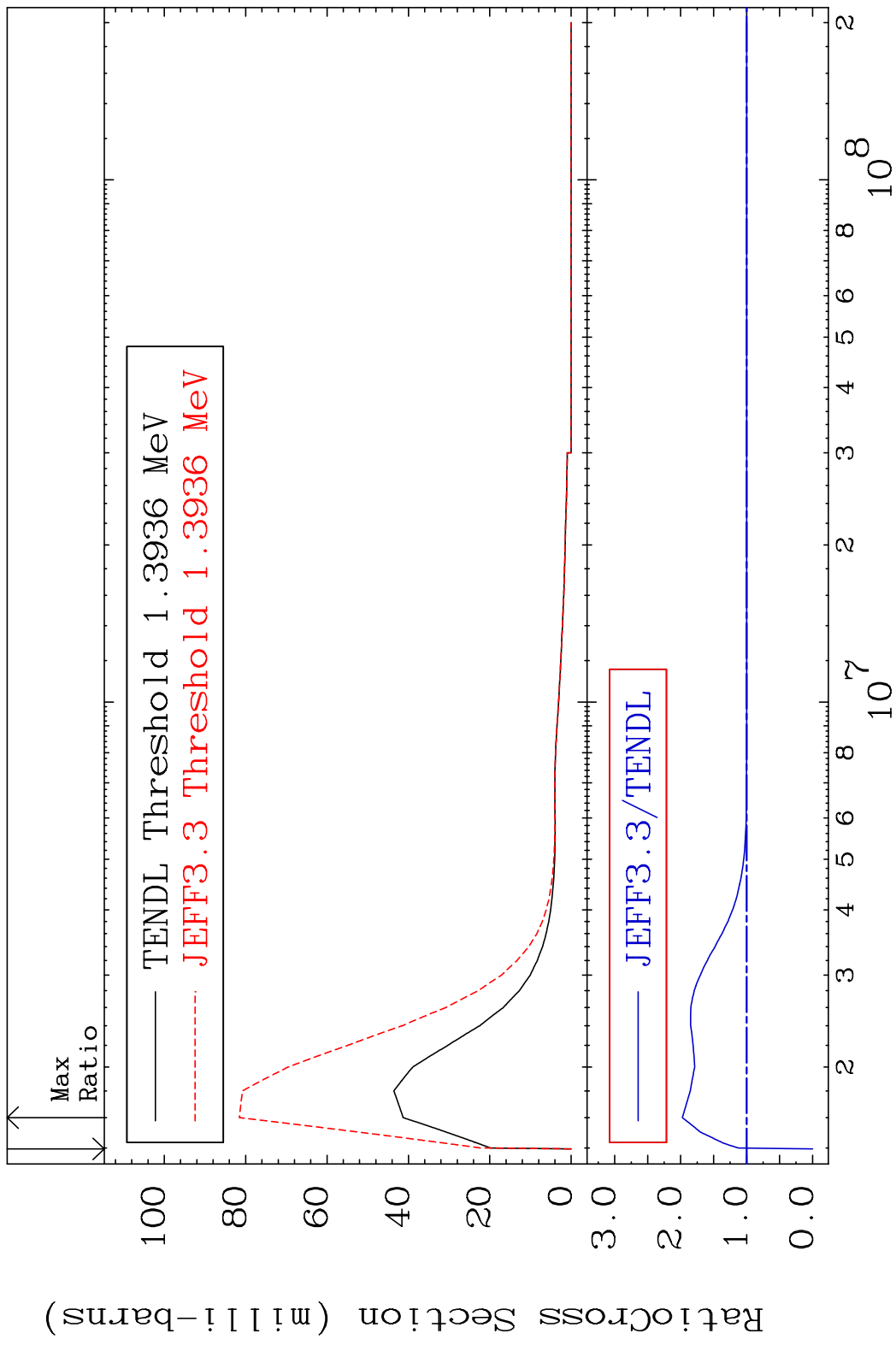
MAT 6849 MT= 74 (n,n') Level 68-Er-170
 Cross Section -37.28 To 127.0 %



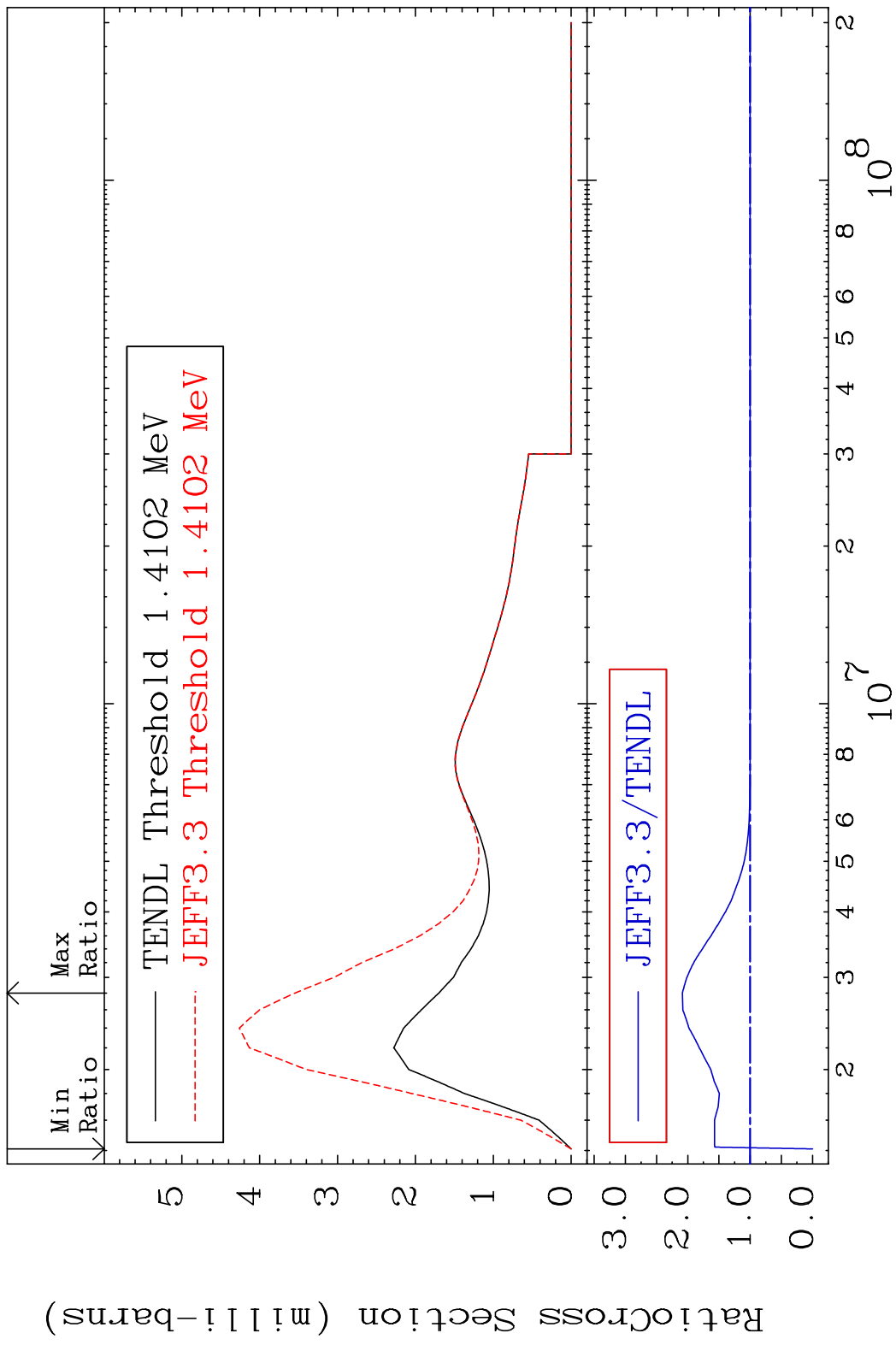
MAT 6849 MT= 75 (n, n') Level 68-Er-170
 Cross Section 0.000 To 192.8 %



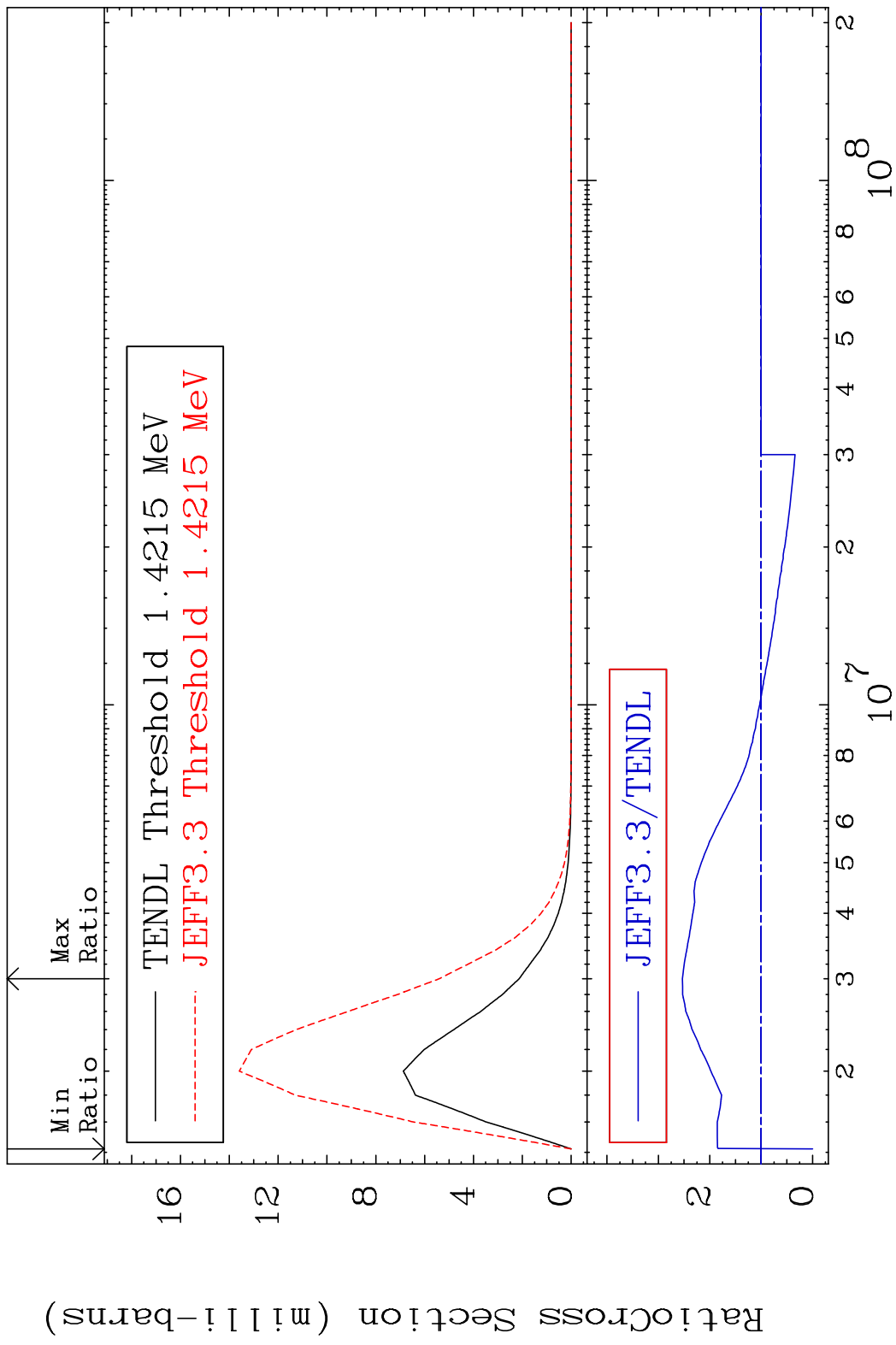
MAT 6849 MT= 76 (n,n') Level 68-Er-170
 Cross Section -100.0 To 97.42 %



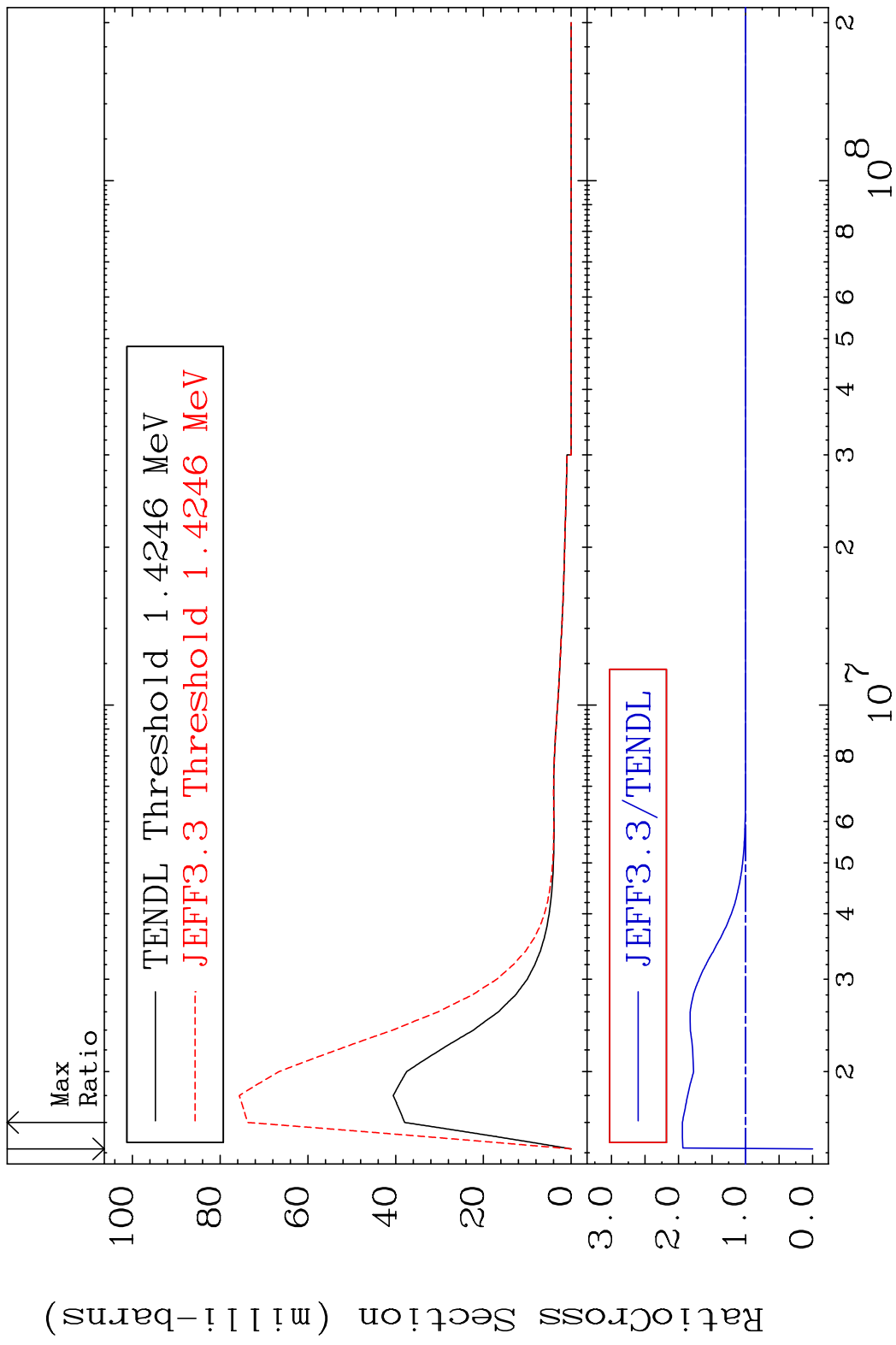
MAT 6849 MT= 77 (n, n') Level 68-Er-170
 Cross Section -100.0 To 108.7 %



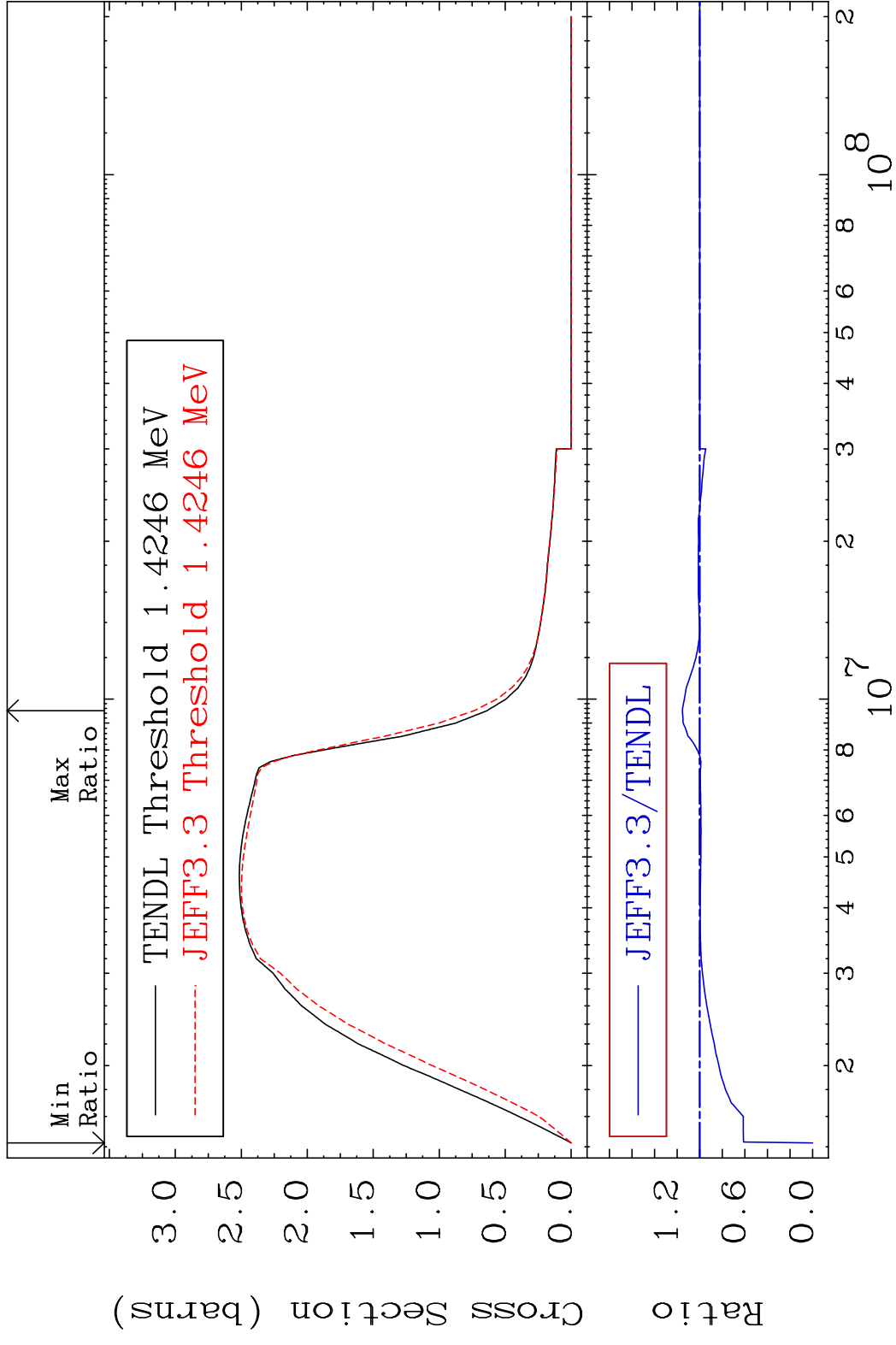
MAT 6849 MT= 78 (n, n') Level 68-Er-170
 Cross Section -100.0 To 153.4 %



MAT 6849 MT= 79 (n, n') Level 68-Er-170
 Cross Section -100.0 To 94.30 %



MAT 6849 (n,n') Continuum 68-Er-170
 Cross Section -100.0 To 15.37 %

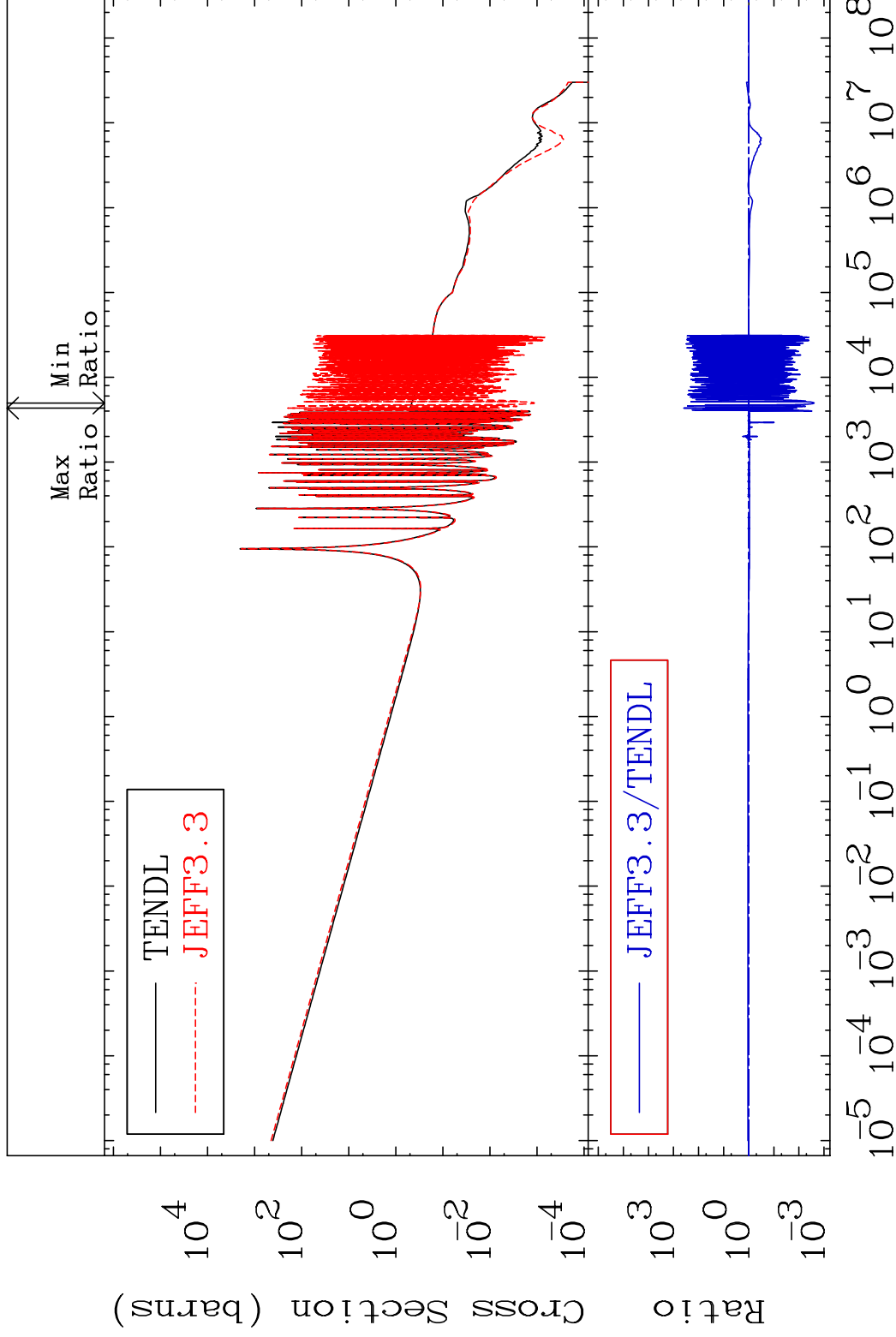


MAT 6849

(n, γ)

68-Er-170

Cross Section -99.75 To 9999. %



49

Incident Energy (eV)

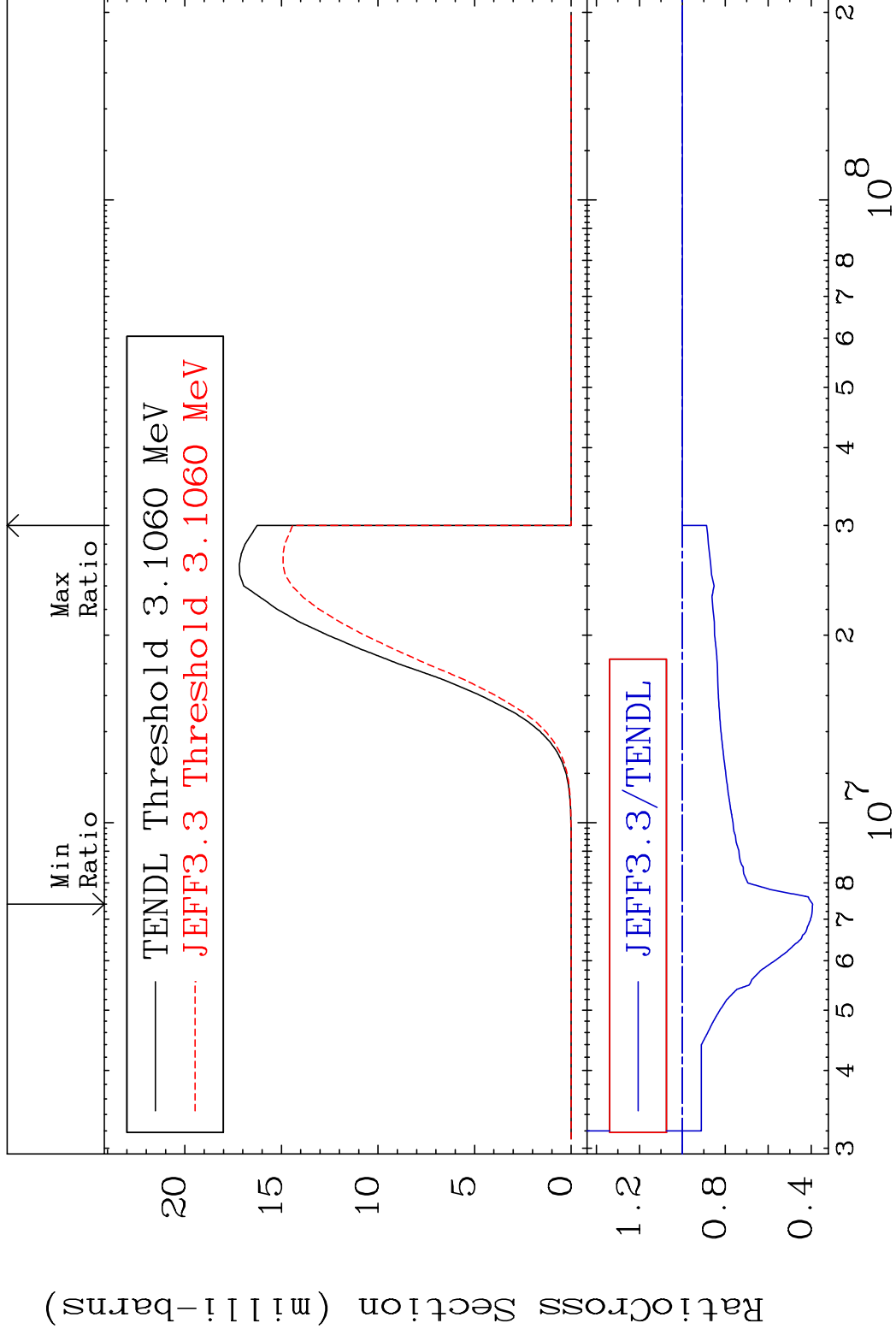
68-Er-170

MAT 6849

(n, p)

68-Er-170

Cross Section -60.65 To 0.000 %



50

Incident Energy (eV)

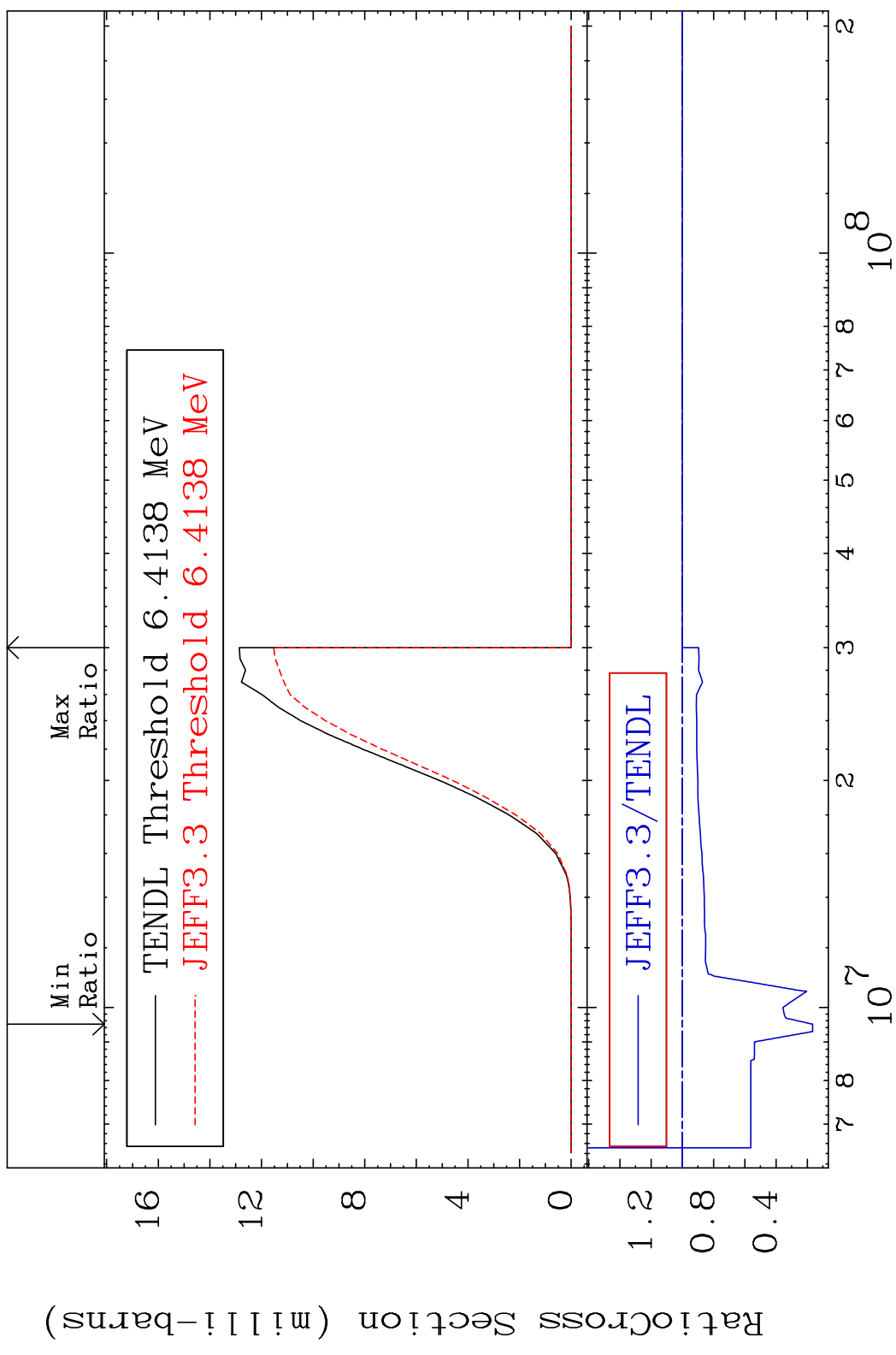
68-Er-170

MAT 6849

(n, d)

68-Er-170

Cross Section -83.35 To 0.000 %

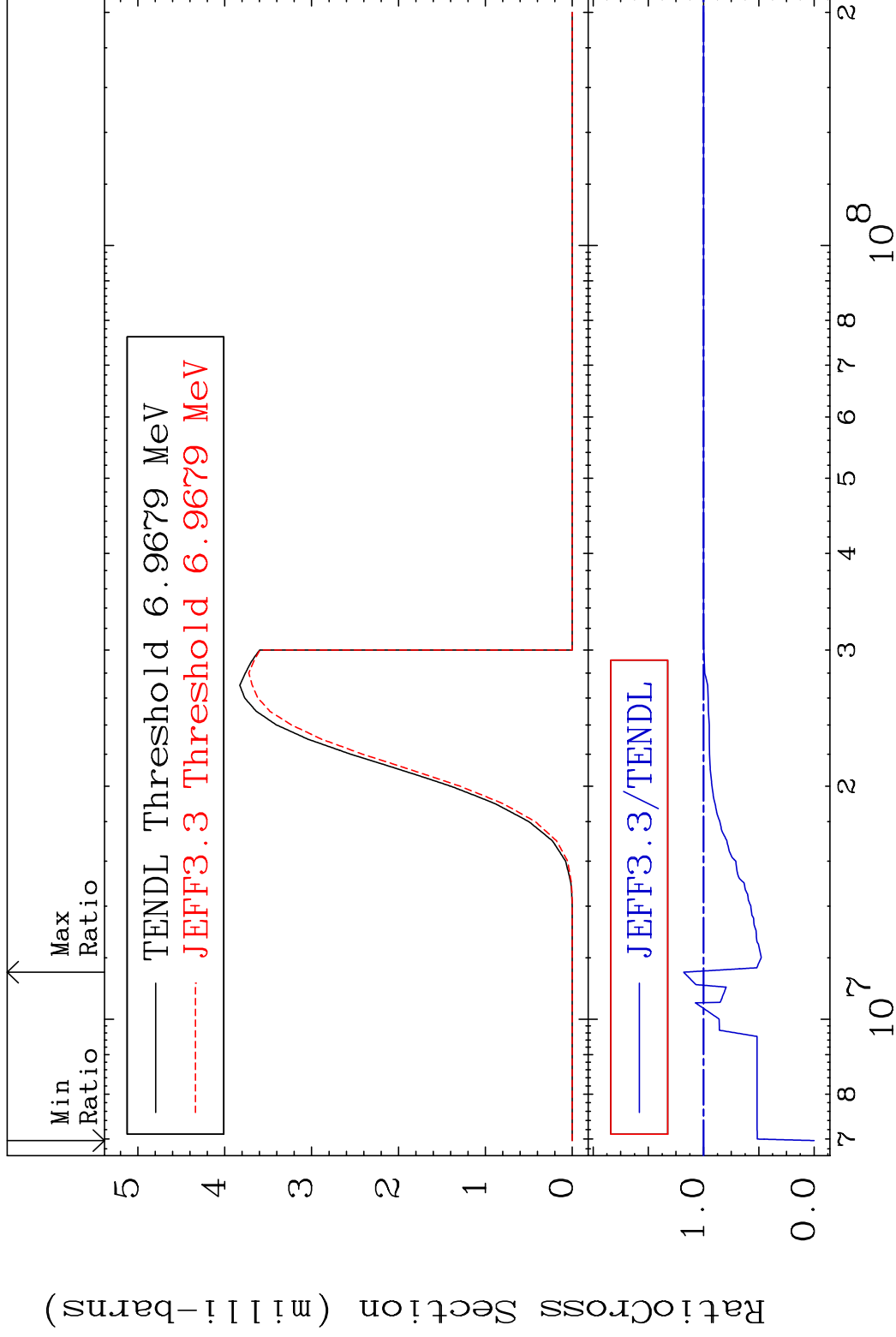


MAT 6849

(n, t)

68-Er-170

Cross Section -100.0 To 18.06 %



52

Incident Energy (eV)

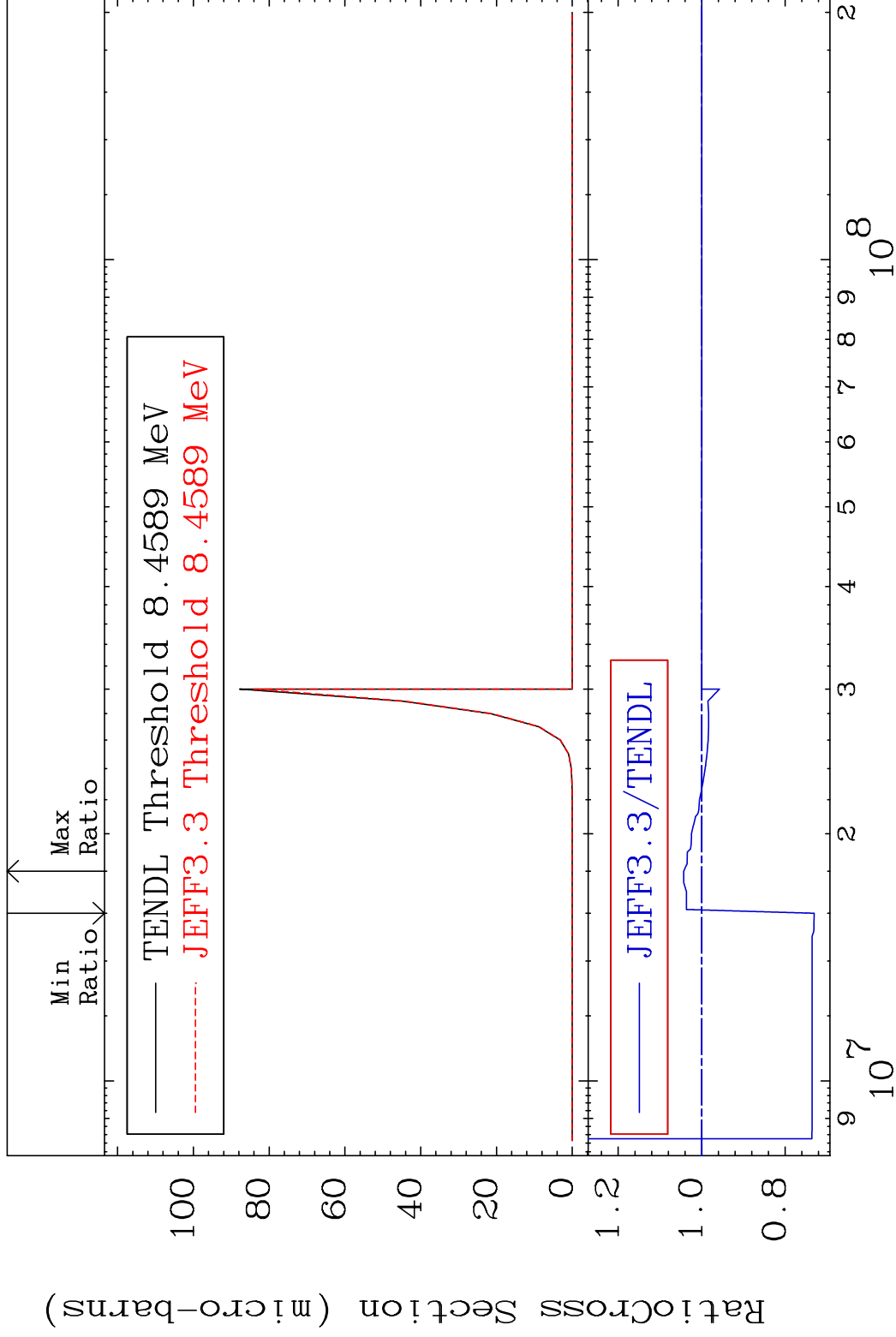
68-Er-170

MAT 6849

(n, He-3)

68-Er-170

Cross Section -26.92 To 4.325 %



53

Incident Energy (eV)

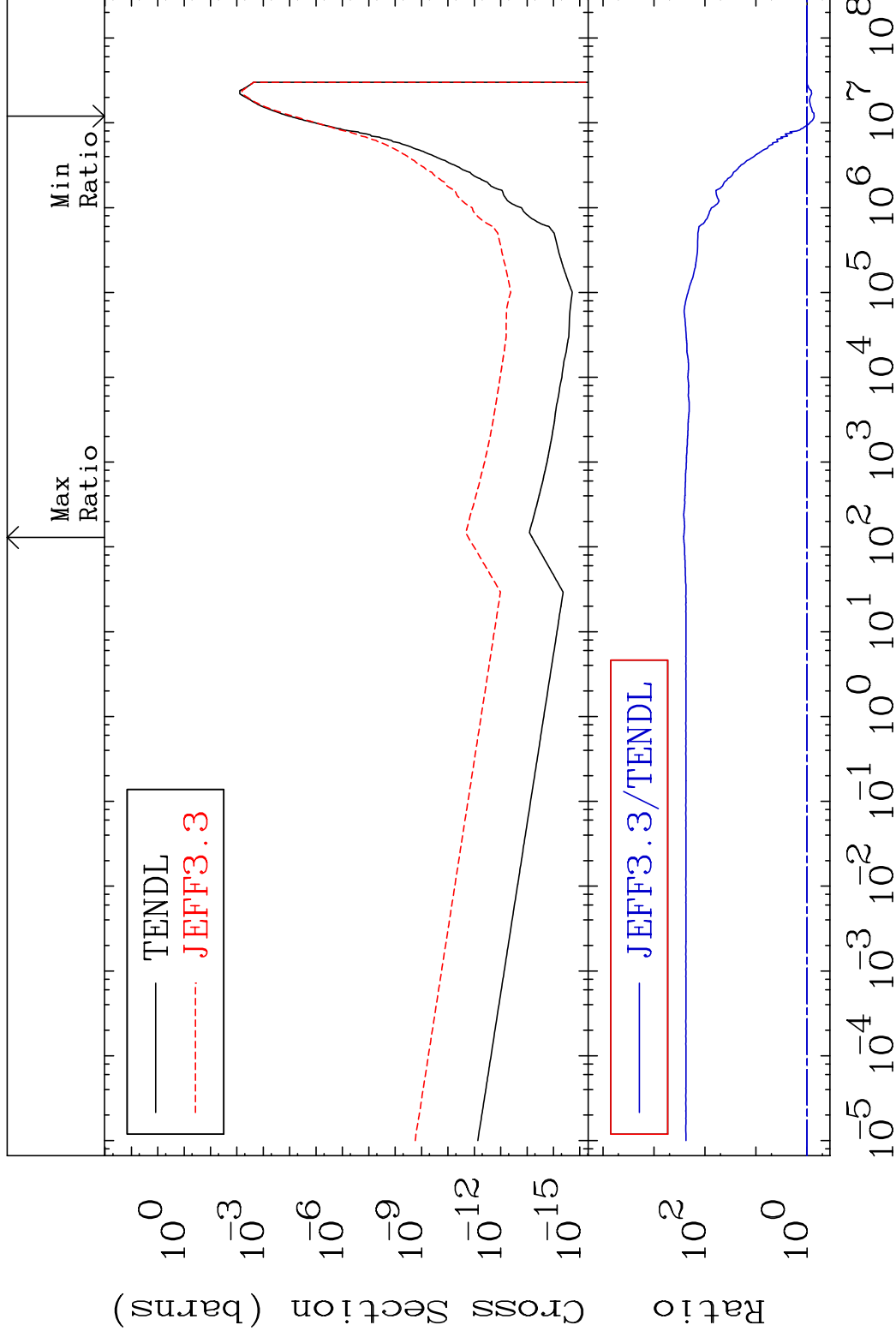
68-Er-170

MAT 6849

(n, α)

68-Er-170

Cross Section -27.57 To 9999. %



54

Incident Energy (eV)

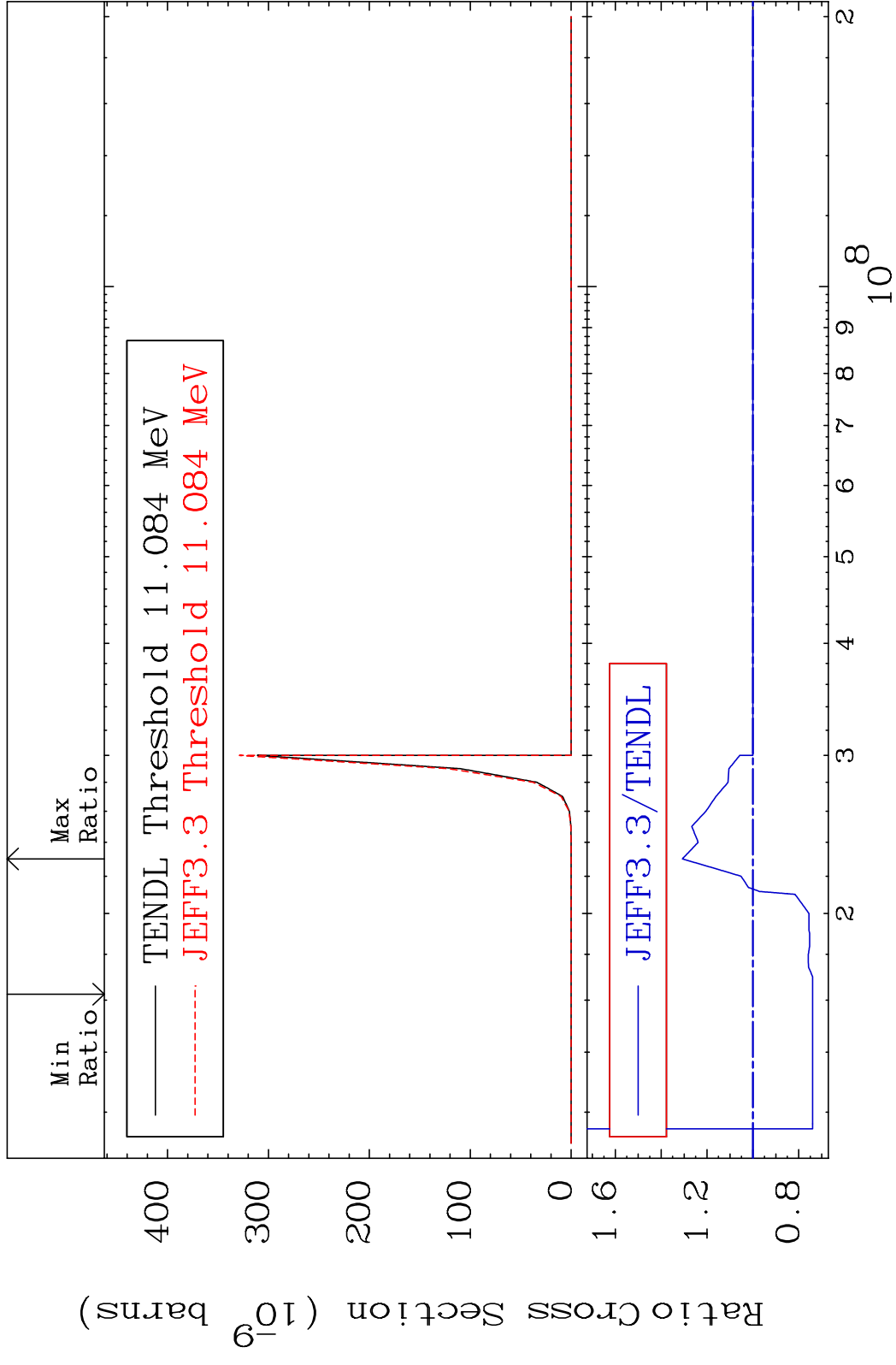
68-Er-170

MAT 6849

(n,2p)

68-Er-170

Cross Section -26.01 To 30.76 %

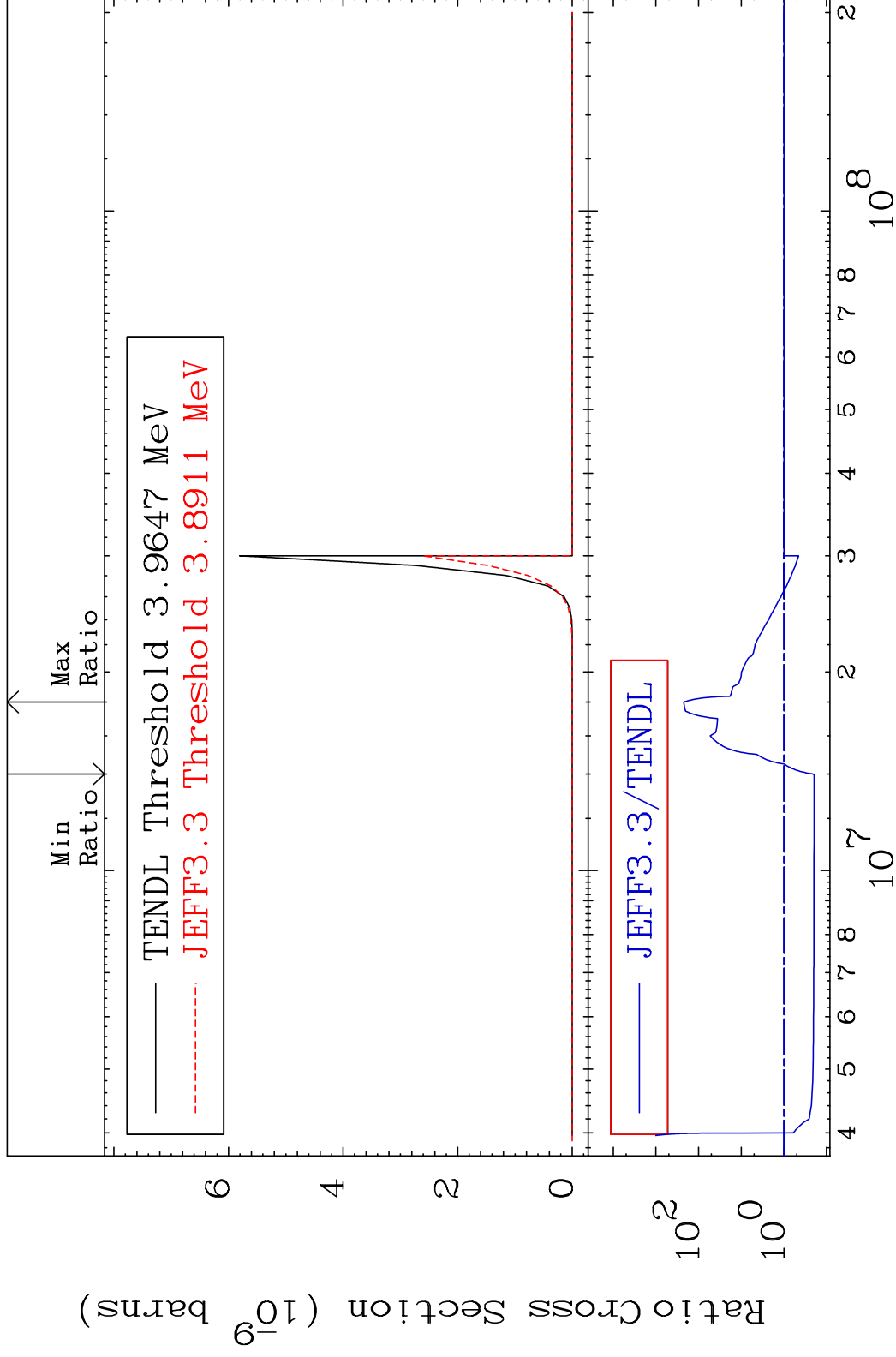


MAT 6849

(n,p) α

68-Er-170

Cross Section -80.40 To 9999. %



56

Incident Energy (eV)

68-Er-170

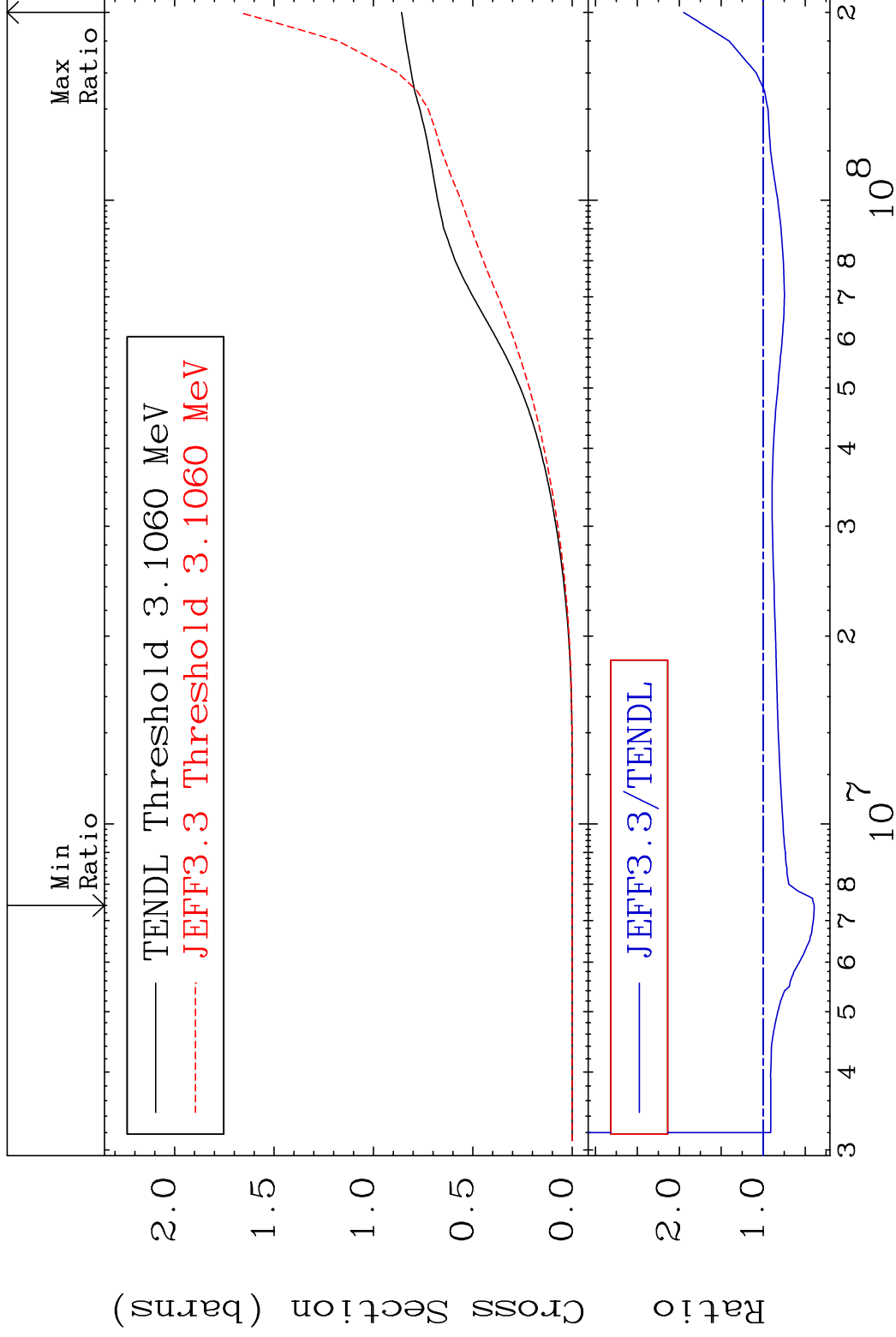
MAT 6849

Hydrogen Production

68-Er-170

Cross Section

-60.65 To 94.84 %



57

Incident Energy (eV)

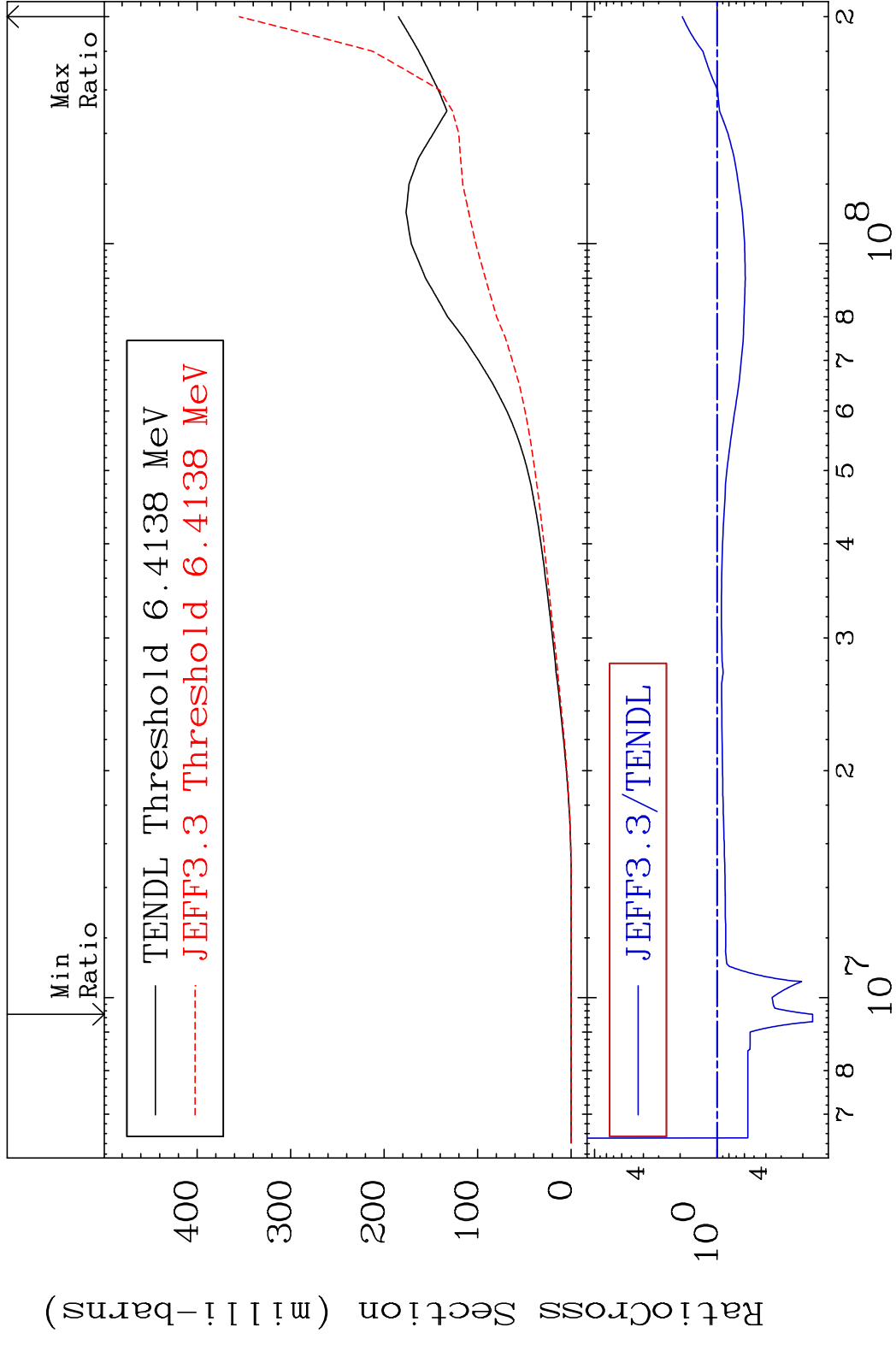
68-Er-170

MAT 6849

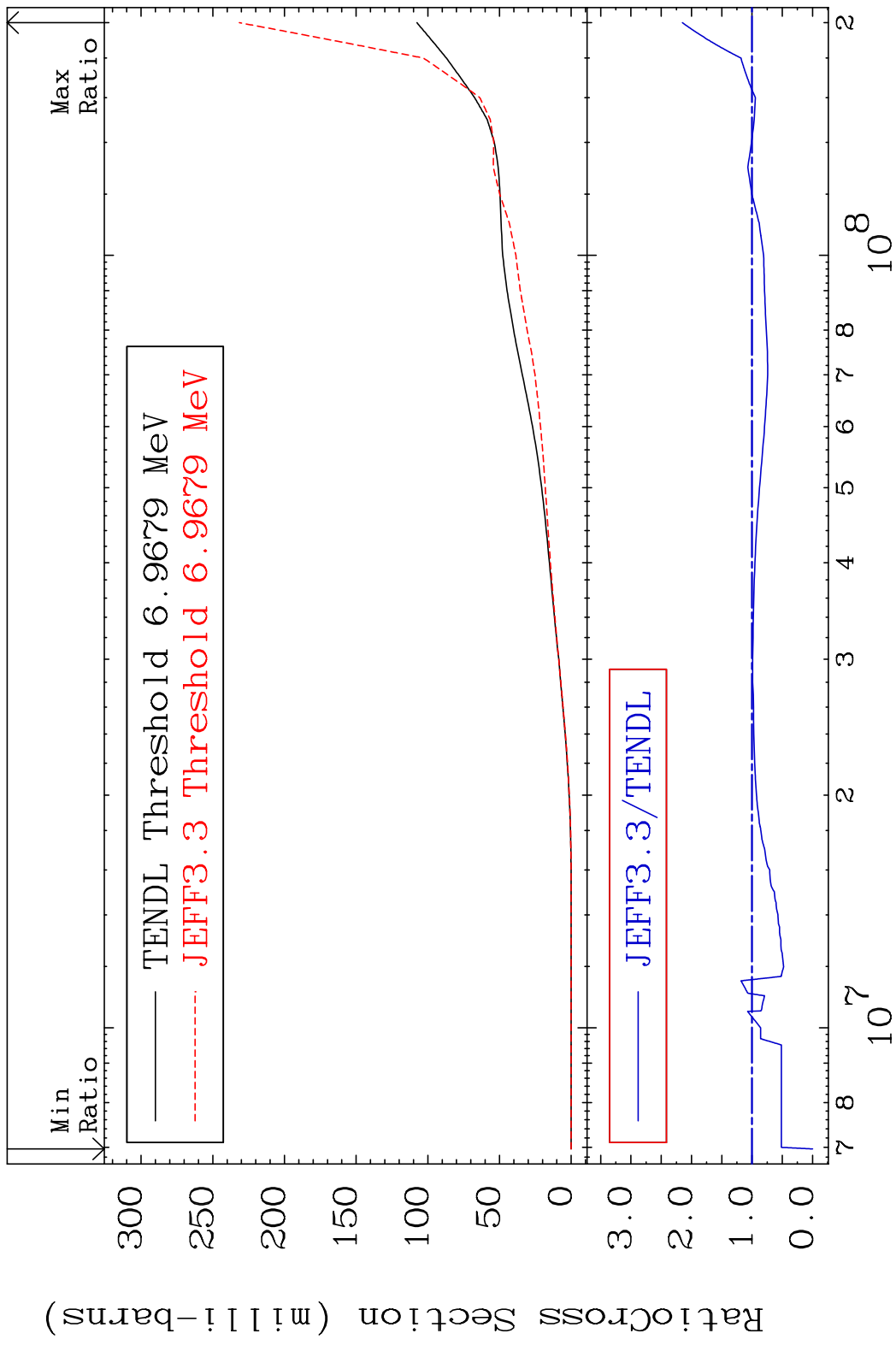
Deuterium Production

68-Er-170

Cross Section -83.35 To 92.06 %



MAT 6849 Tritium Production 68-Er-170
 Cross Section -100.0 To 115.1 %

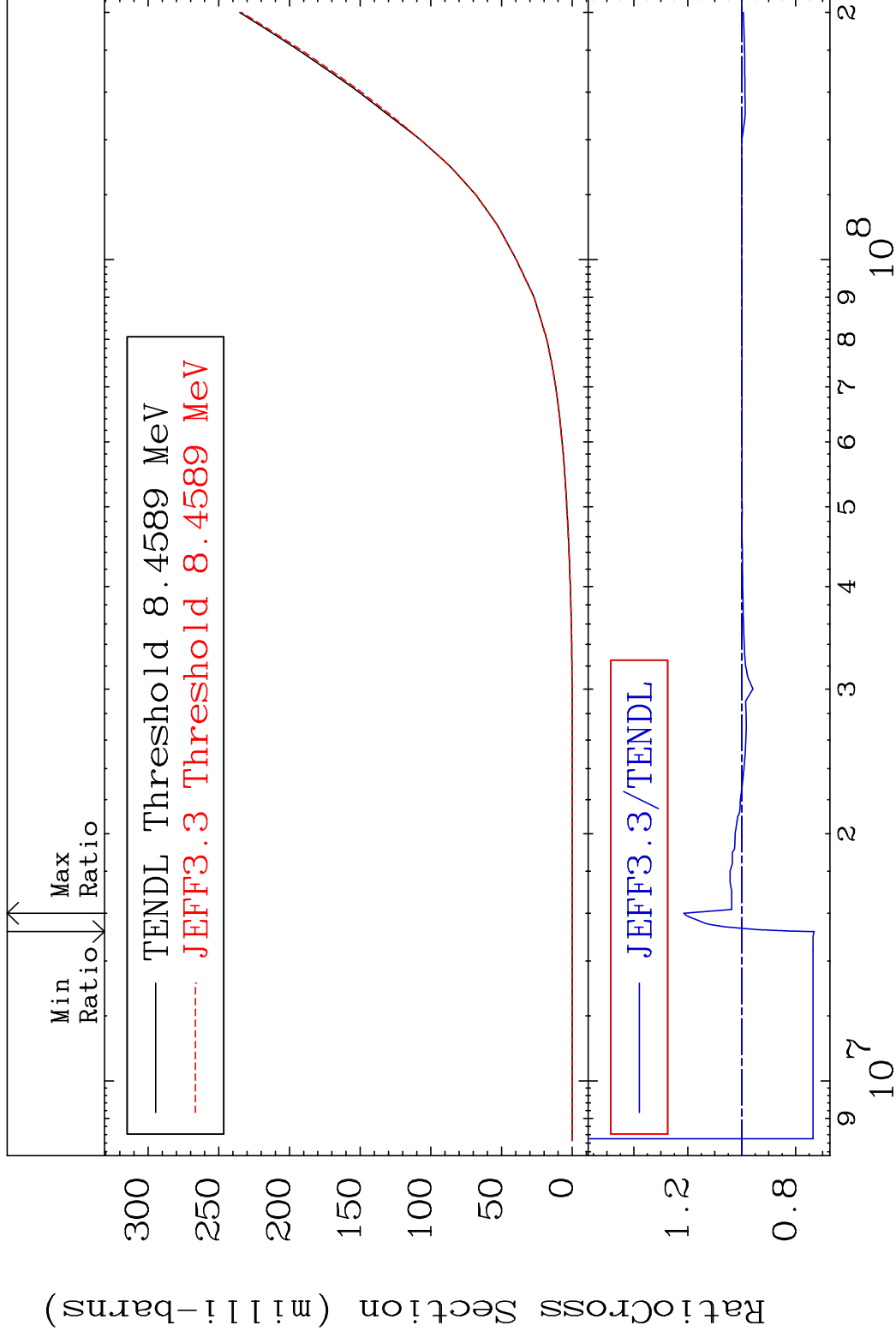


MAT 6849

He-3 Production

68-Er-170

Cross Section -26.83 To 21.54 %



60

Incident Energy (eV)

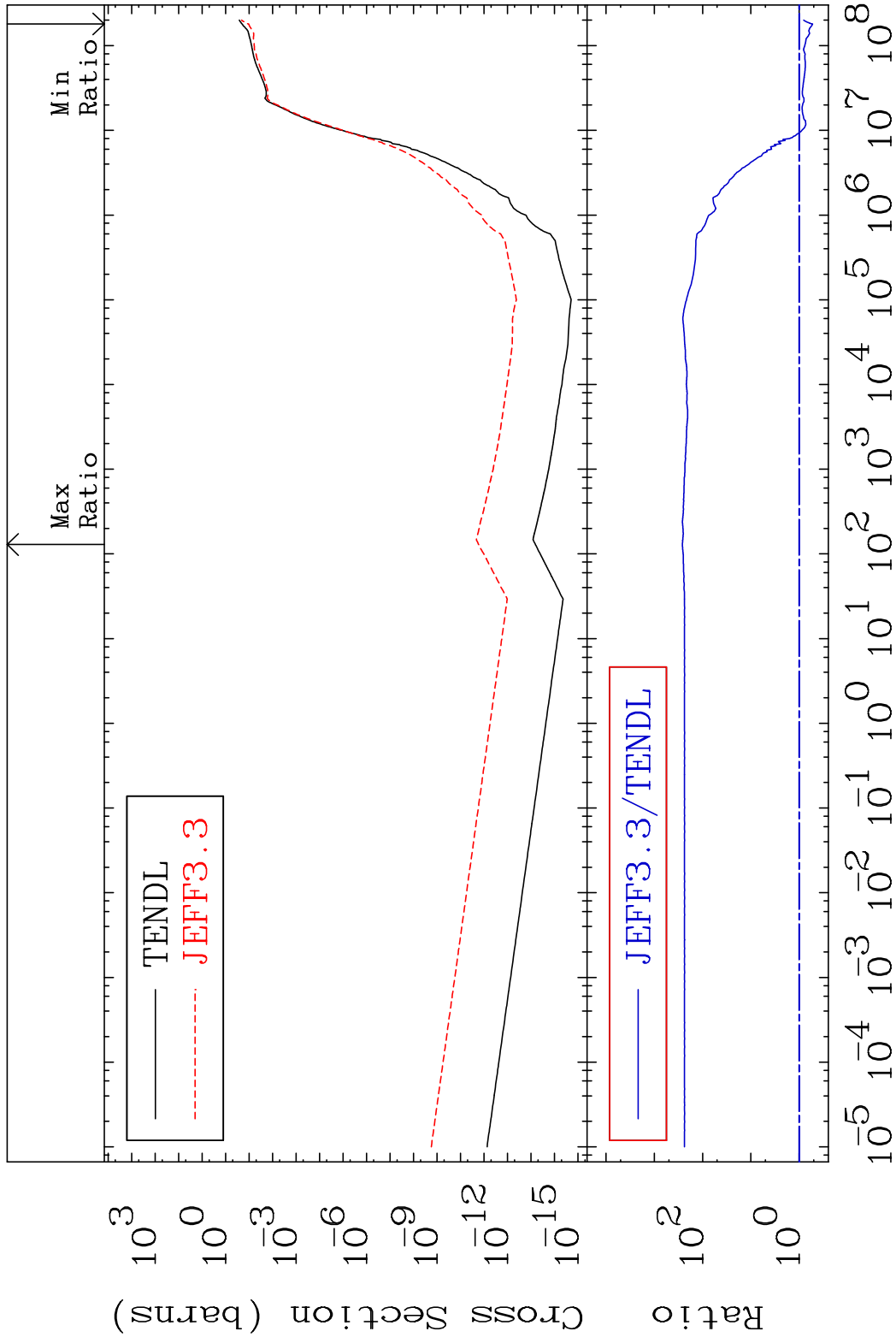
68-Er-170

MAT 6849

He-4 Production

68-Er-170

Cross Section -47.18 To 9999. %



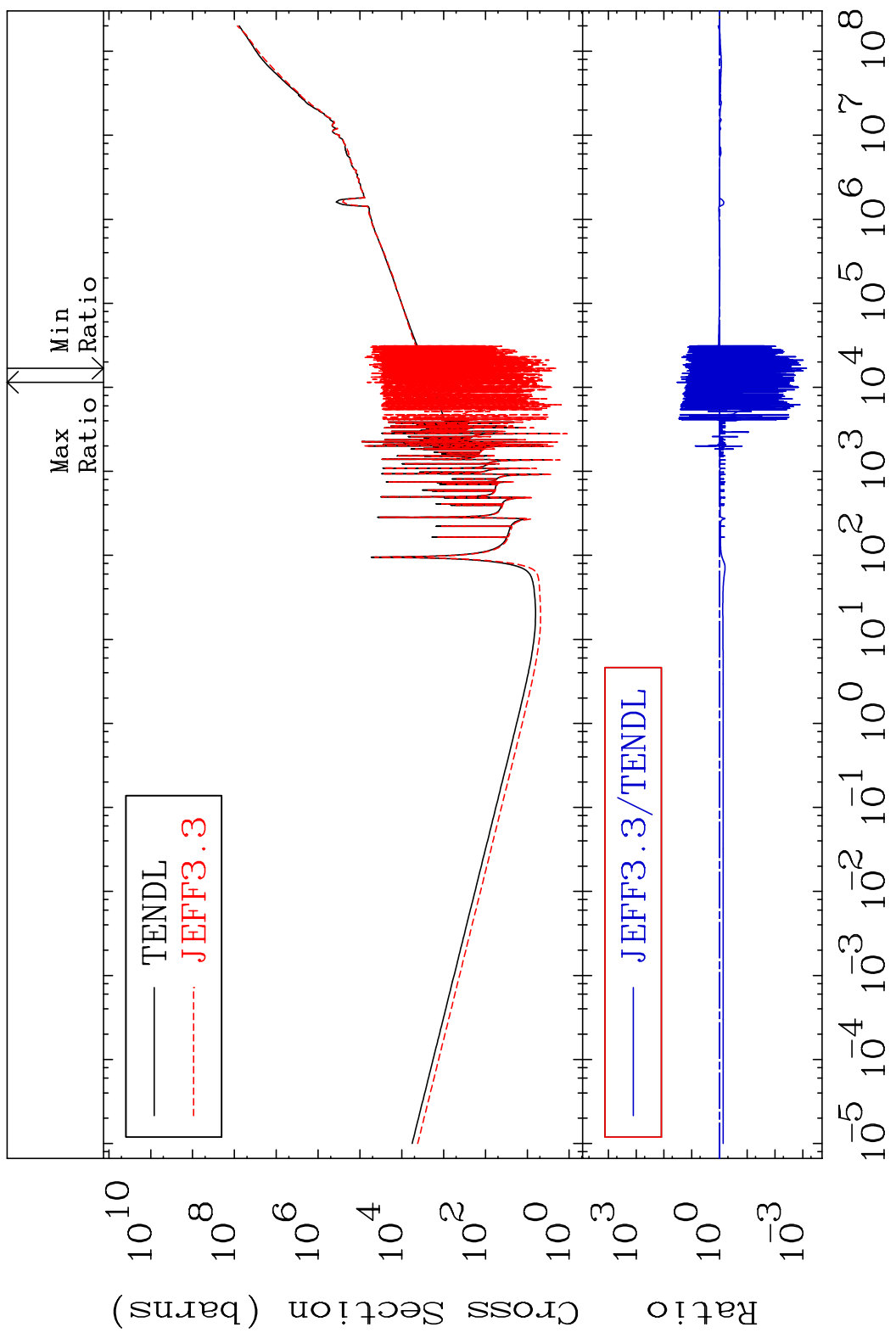
61

Incident Energy (eV)

68-Er-170

MAT 6849

Kerma total (eV-barns) 68-Er-170
Cross Section -99.93 To 3233. %

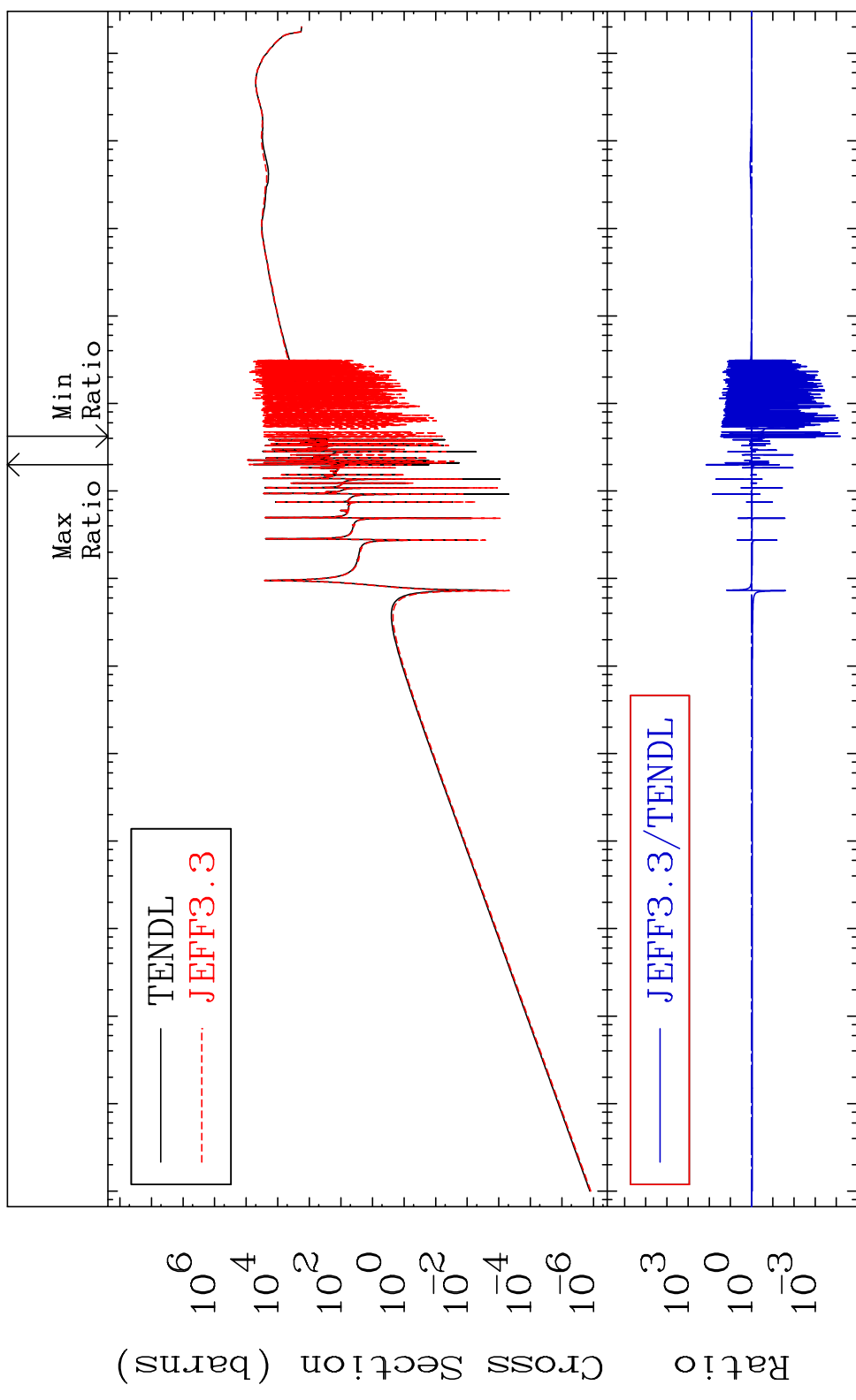


62

Incident Energy (eV) 68-Er-170

MAT 6849

Kerma elastic Cross Section -99.99 To 9999. %
68-Er-170

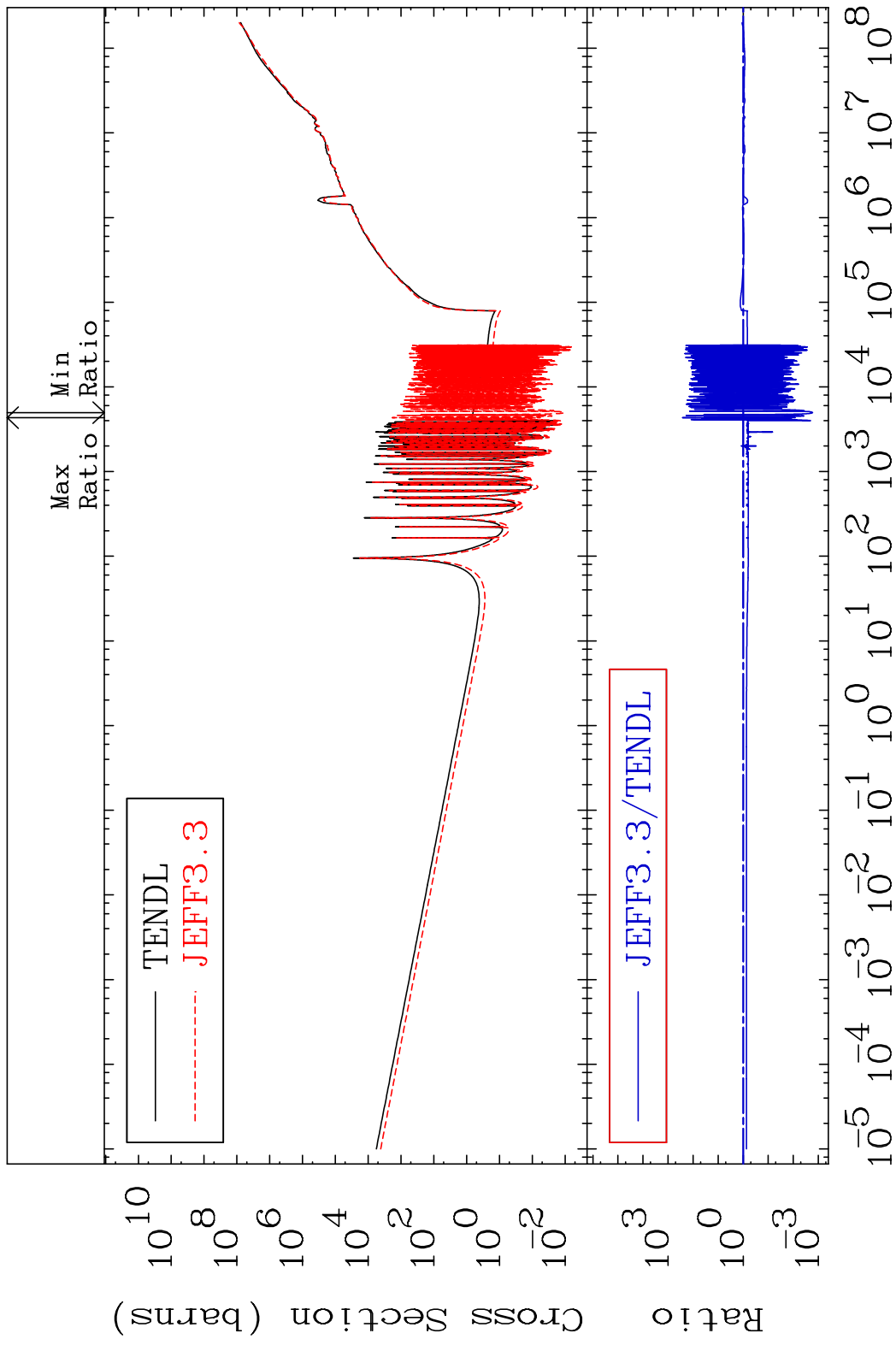


63

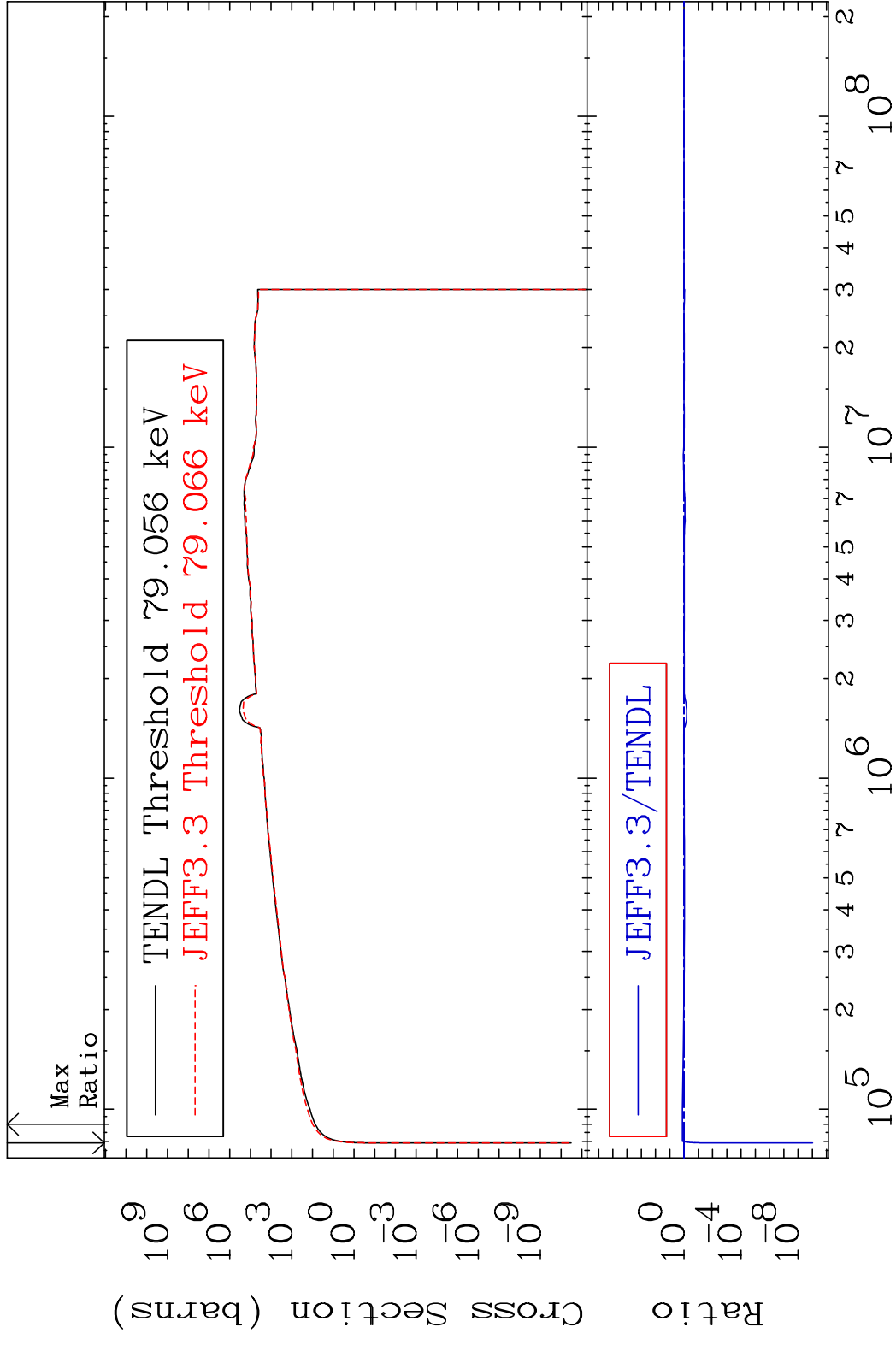
Incident Energy (eV)

68-Er-170

MAT 6849 Kerma non-elastic (all but mt2) 68-Er-170
 Cross Section -99.83 To 9999. %

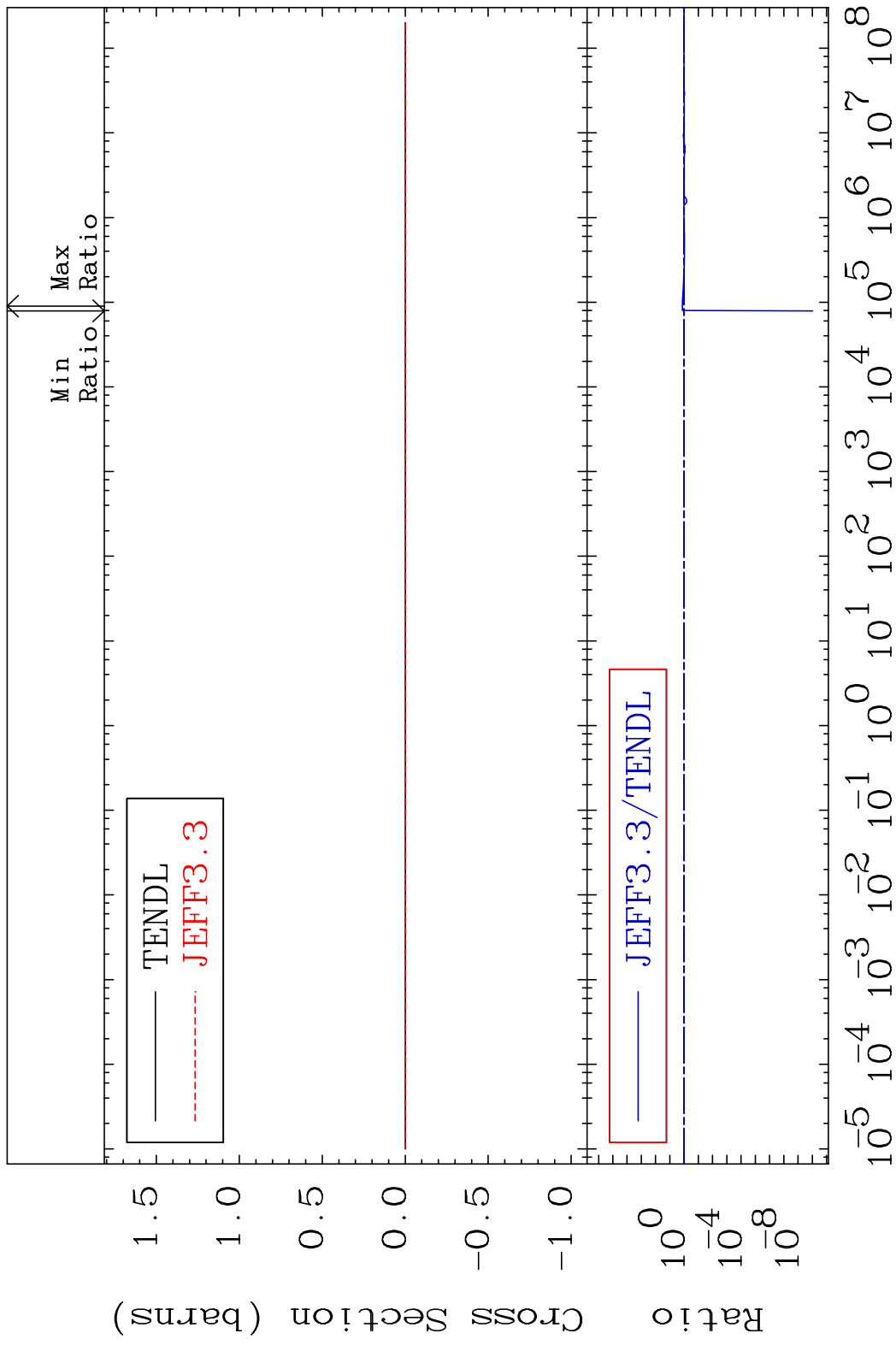


MAT 6849 Kerma inelastic (mt51-91) 68-Er-170
 Cross Section -100.0 To 31.99 %



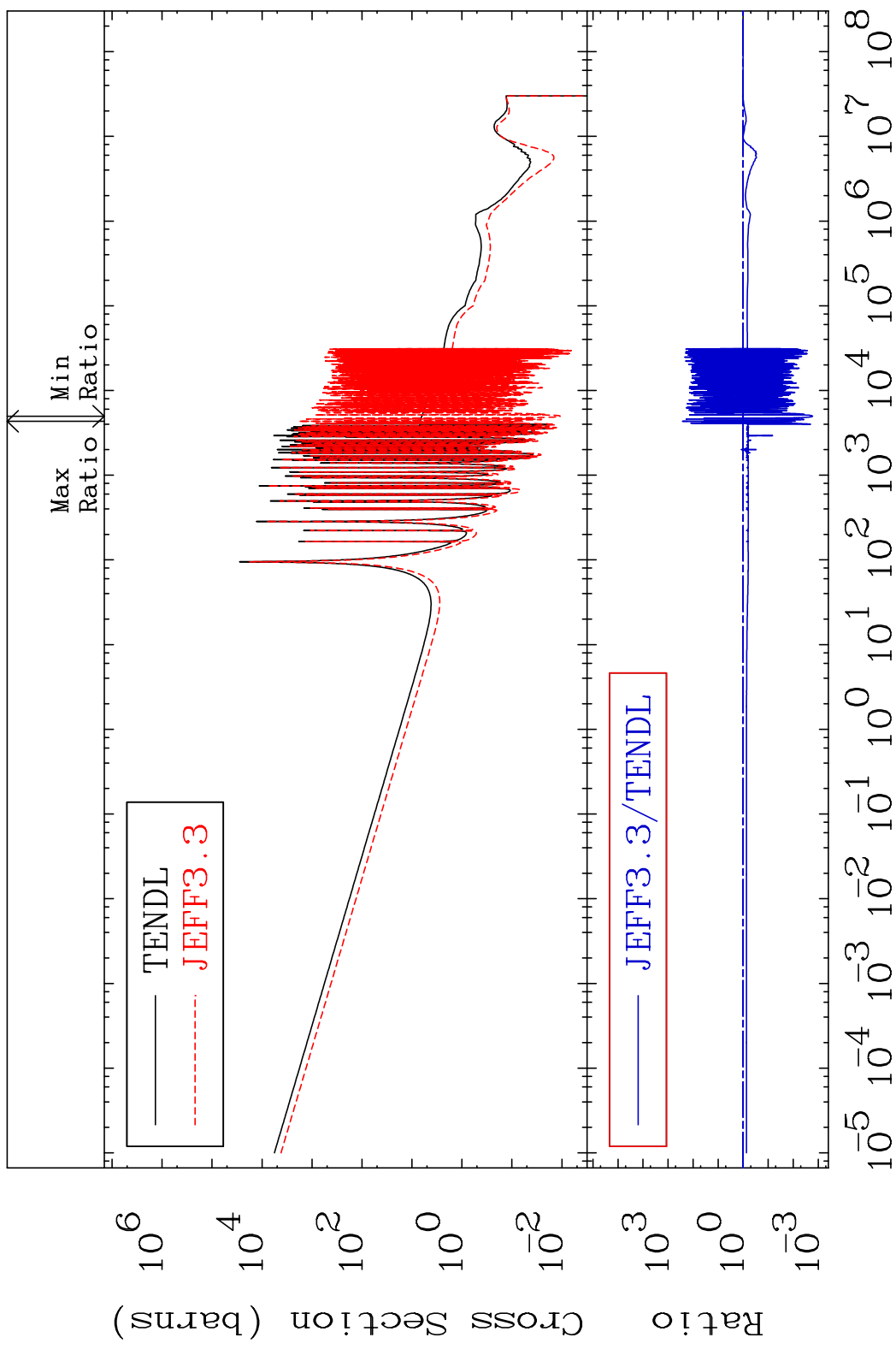
65 Incident Energy (eV) 68-Er-170

MAT 6849 Kerma fission (mt18 or mt19-20-21-38) 68-Er-170
 Cross Section -100.0 To 31.99 %



MAT 6849

Kerma capture (mt102) 68-Er-170
Cross Section -99.83 To 9999. %

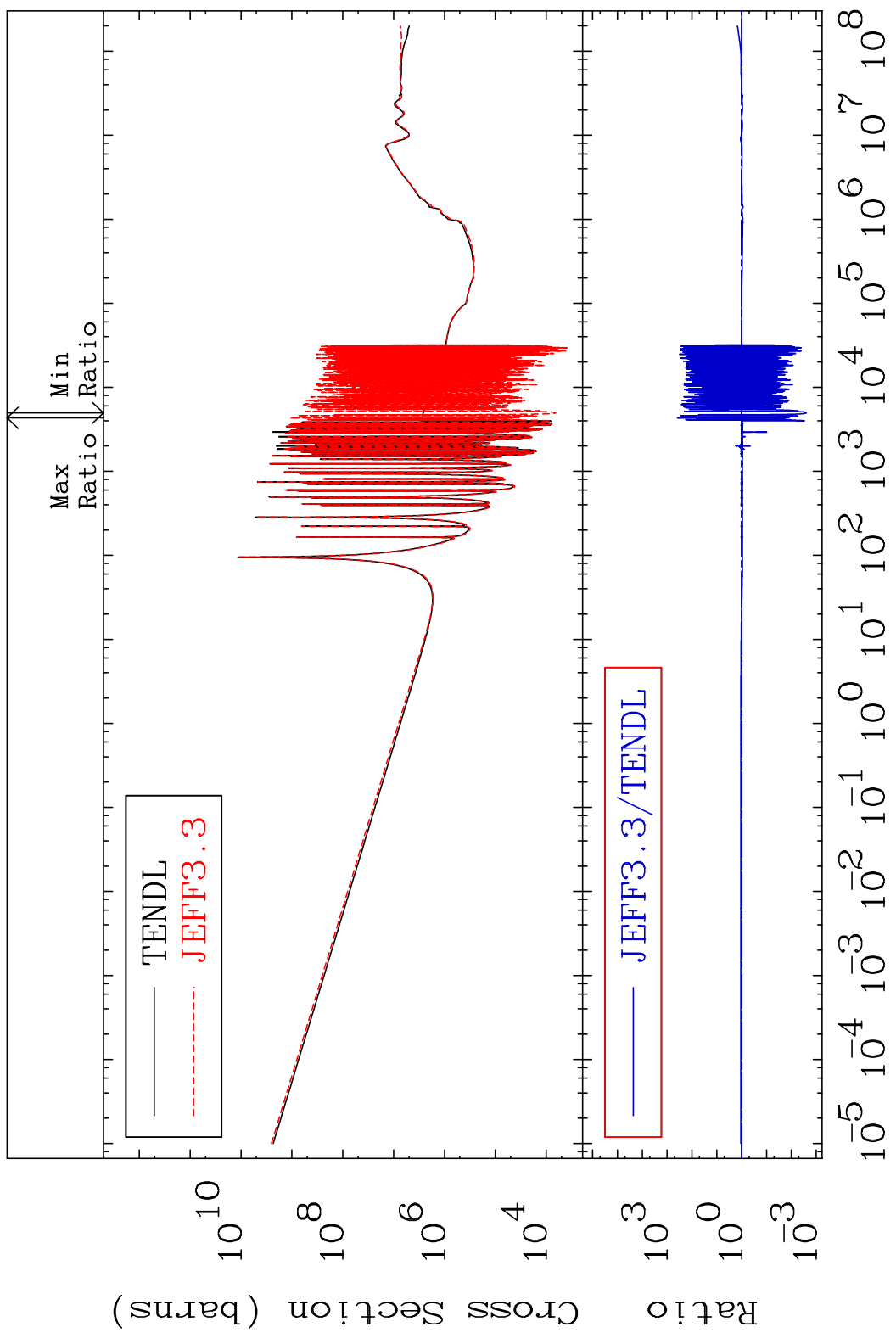


67

Incident Energy (eV) 68-Er-170

MAT 6849

Total photon (eV-barns) 68-Er-170
Cross Section -99.75 To 9999. %

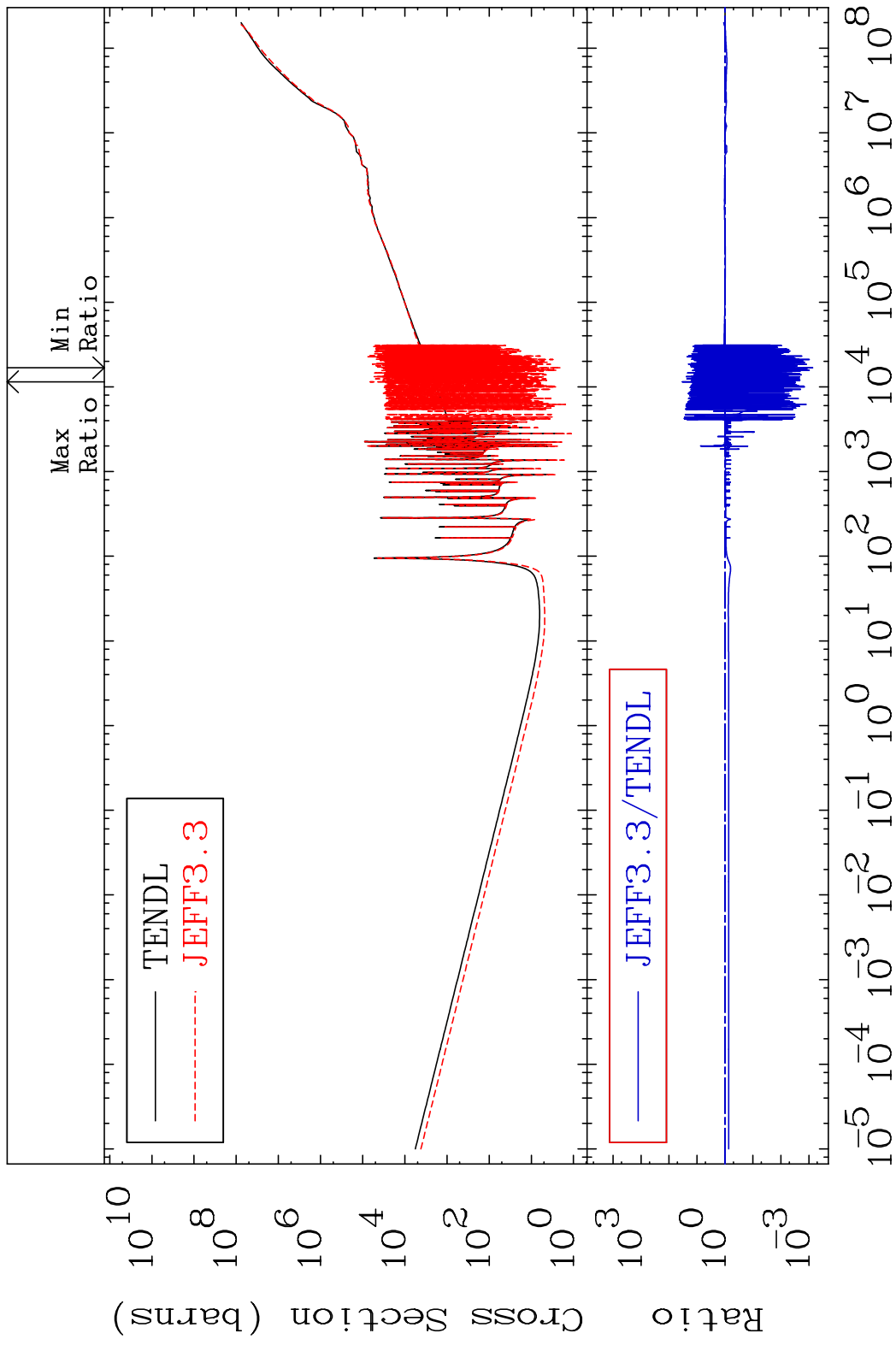


68

Incident Energy (eV)

68-Er-170

MAT 6849 Total kinematic kerma (high limit) 68-Er-170
 Cross Section -99.93 To 3233. %

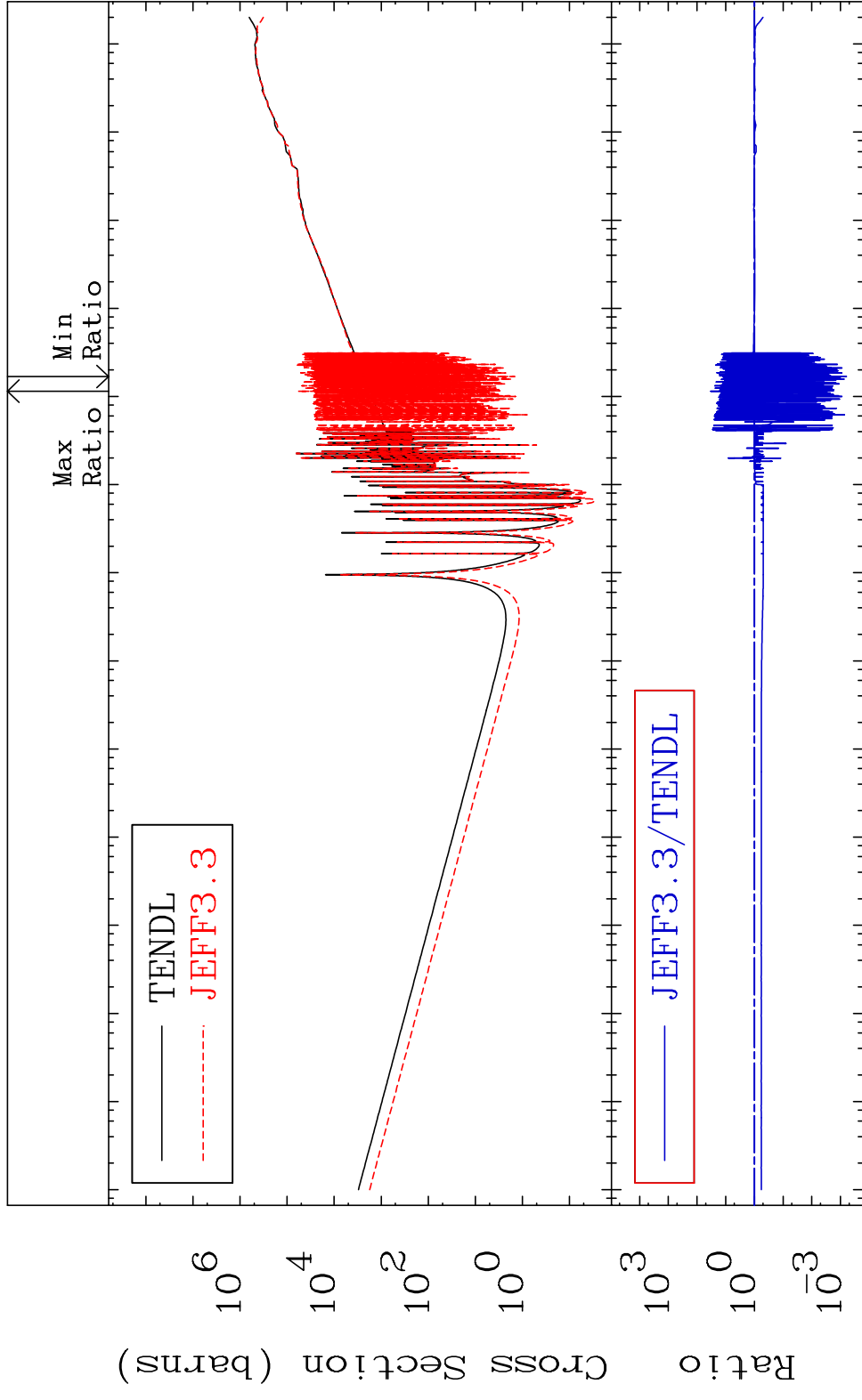


MAT 6849

Dpa total (eV-barns)

68-Er-170

Cross Section -99.94 To 3230. %



70

Incident Energy (eV)

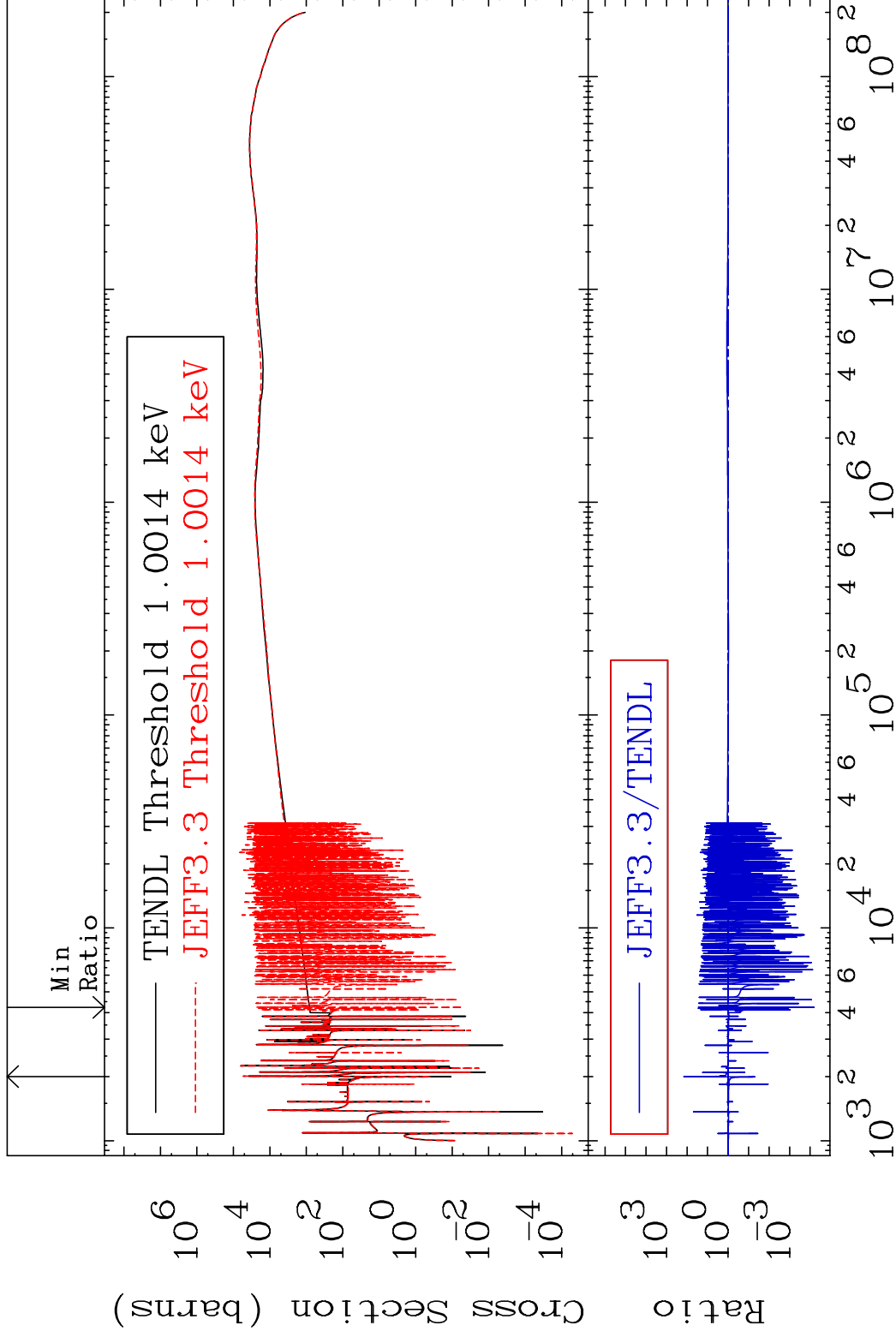
68-Er-170

MAT 6849

Dpa elastic (mt2)

68-Er-170

Cross Section -99.99 To 9999. %



71

Incident Energy (eV)

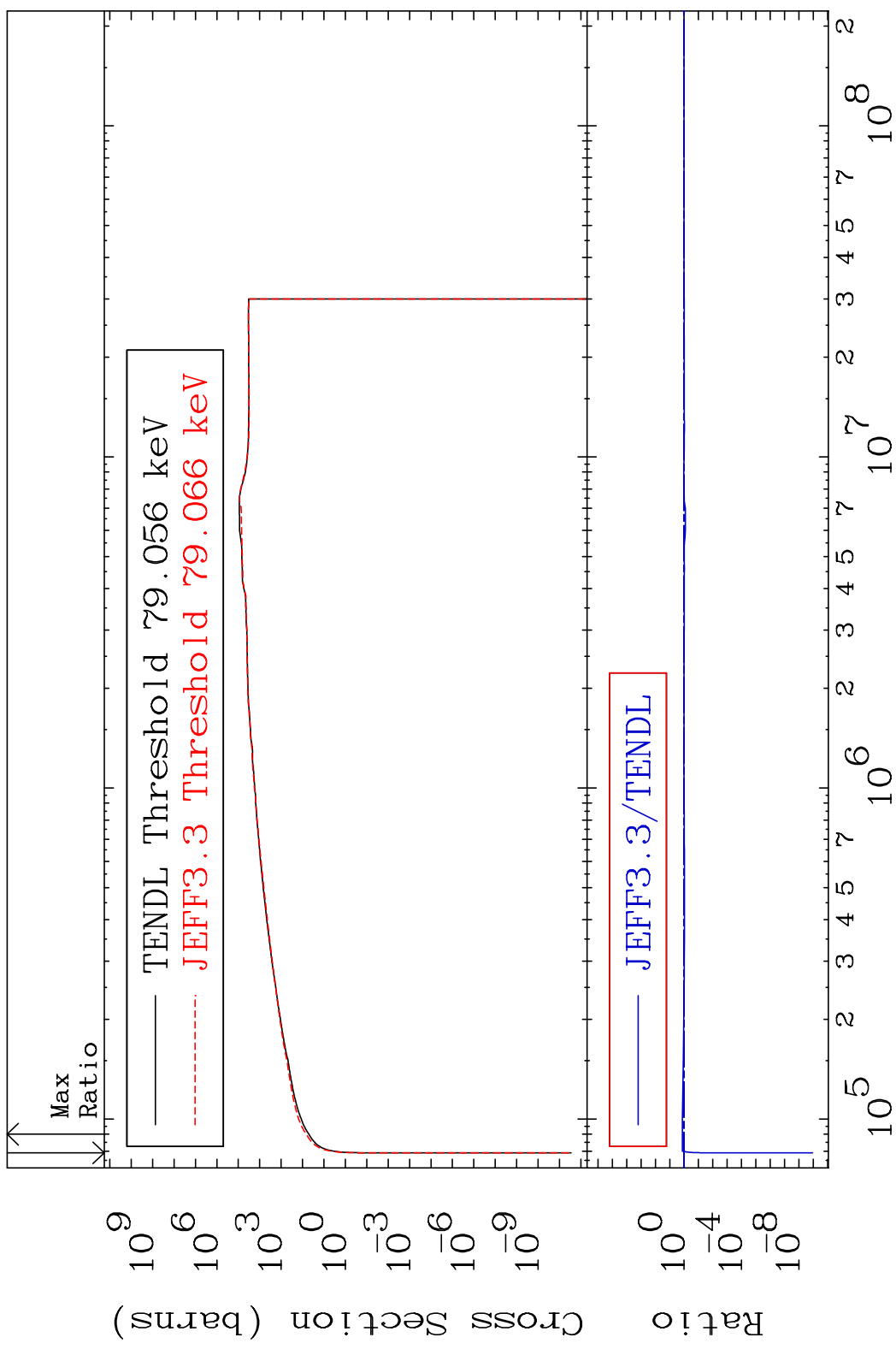
68-Er-170

MAT 6849

Dpa inelastic (mt51-91)

68-Er-170

Cross Section -100.0 To 32.11 %

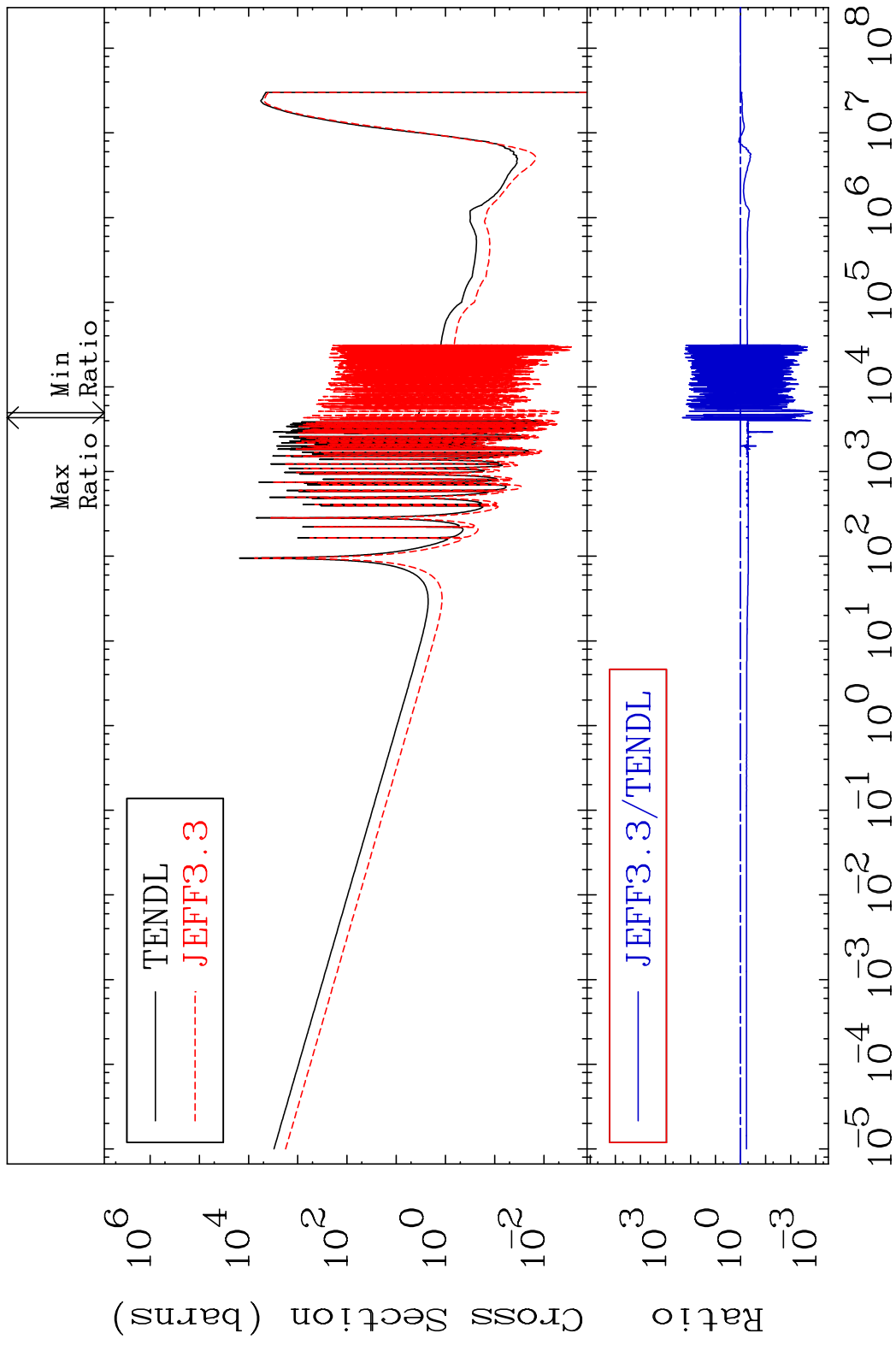


72

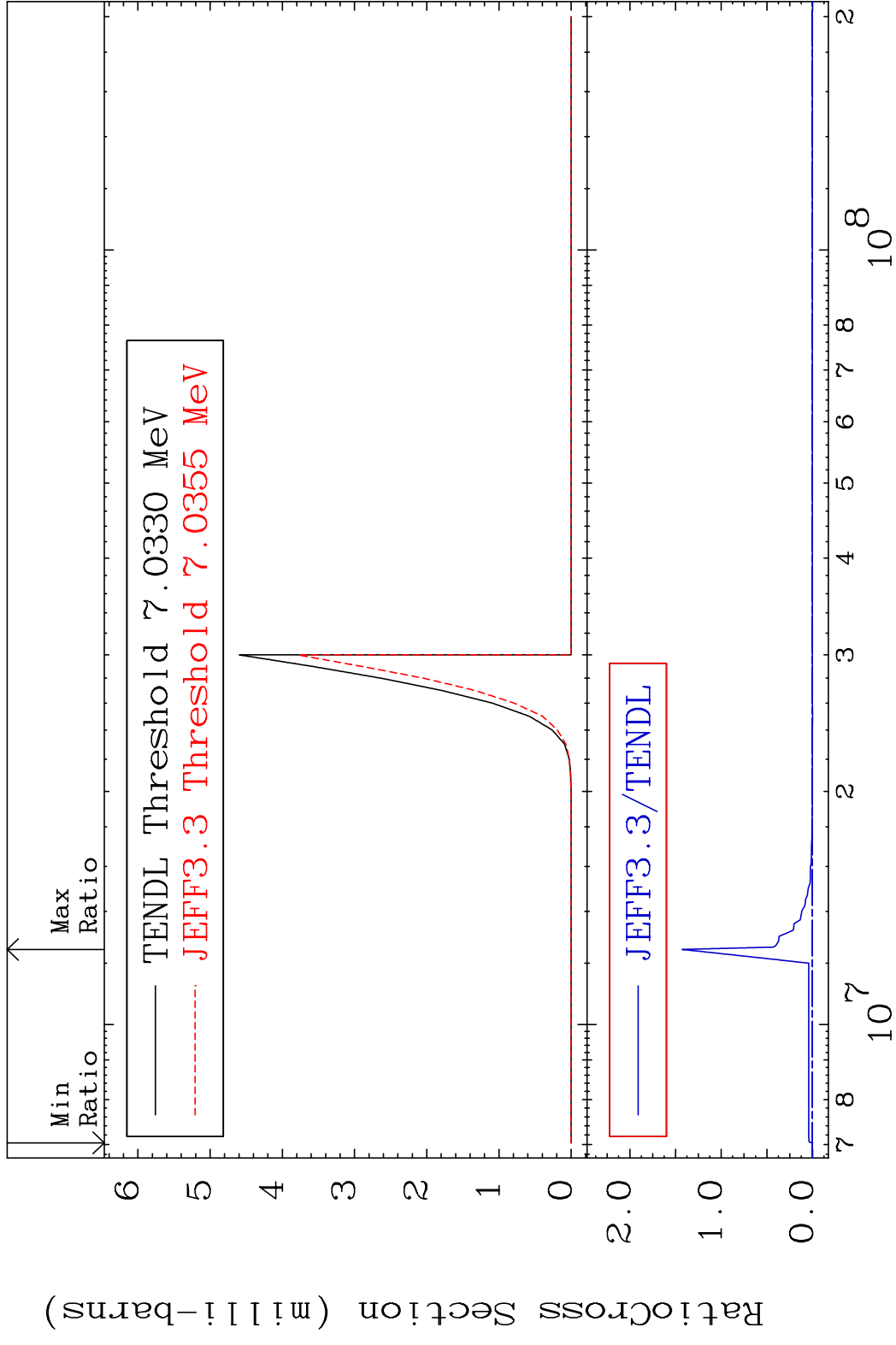
Incident Energy (eV)

68-Er-170

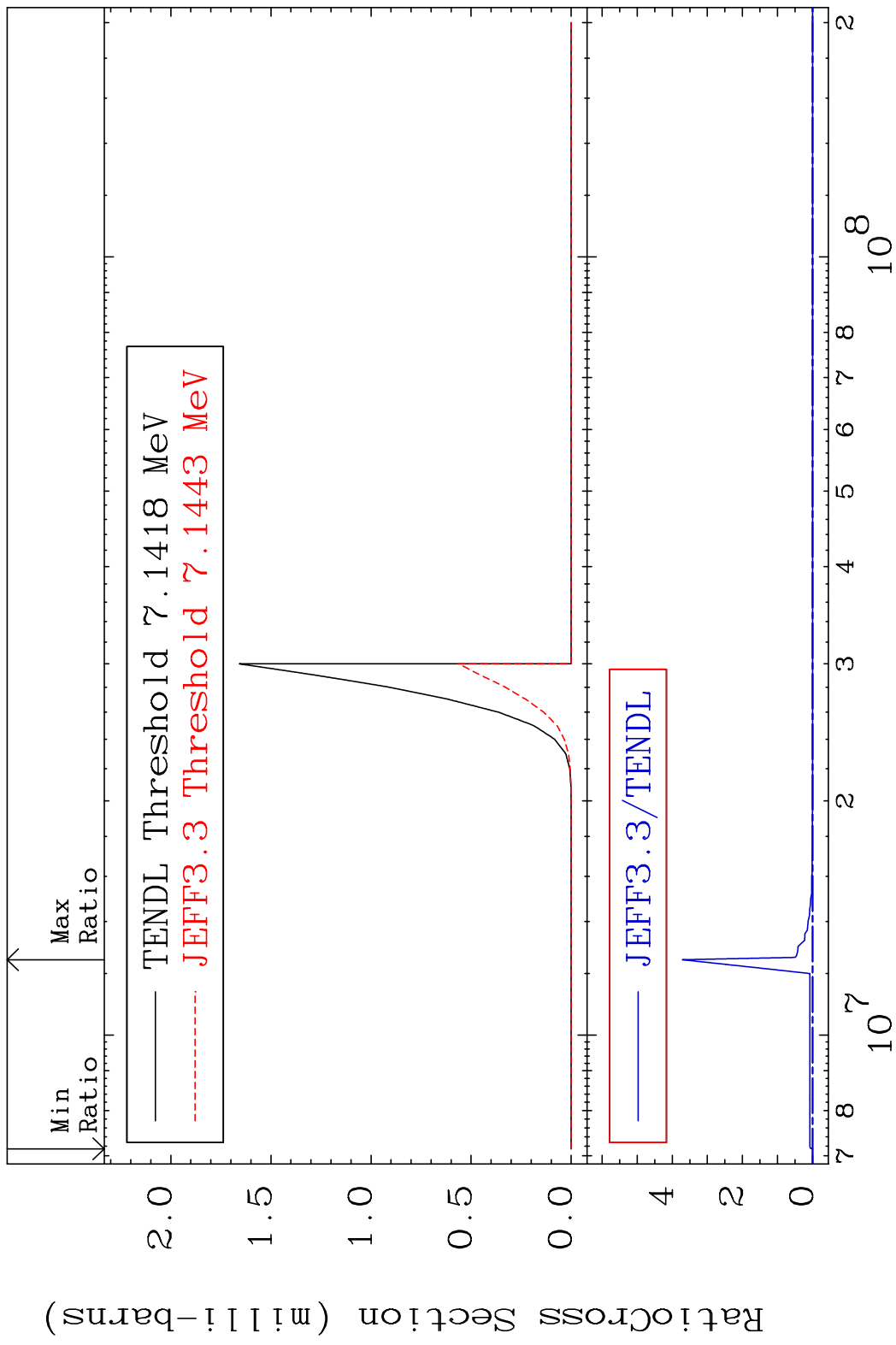
MAT 6849 Dpa disappearance (mt102 -120) 68-Er-170
 Cross Section -99.87 To 9999. %



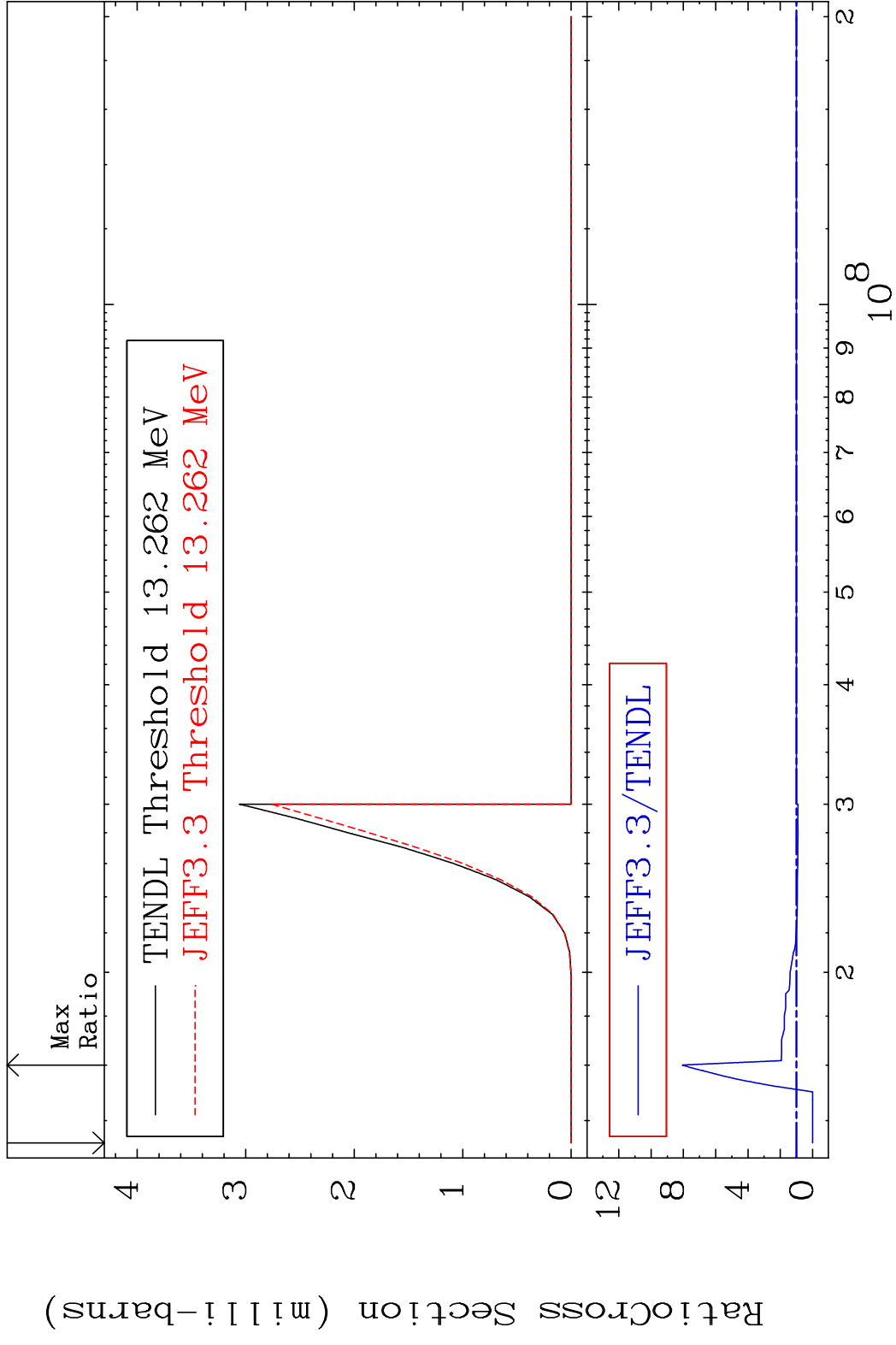
MAT 6849 (n,2n) α :66-Dy-165g 68-Er-170
 Radionuclide Production Cross Section 18000 dth 9999. %



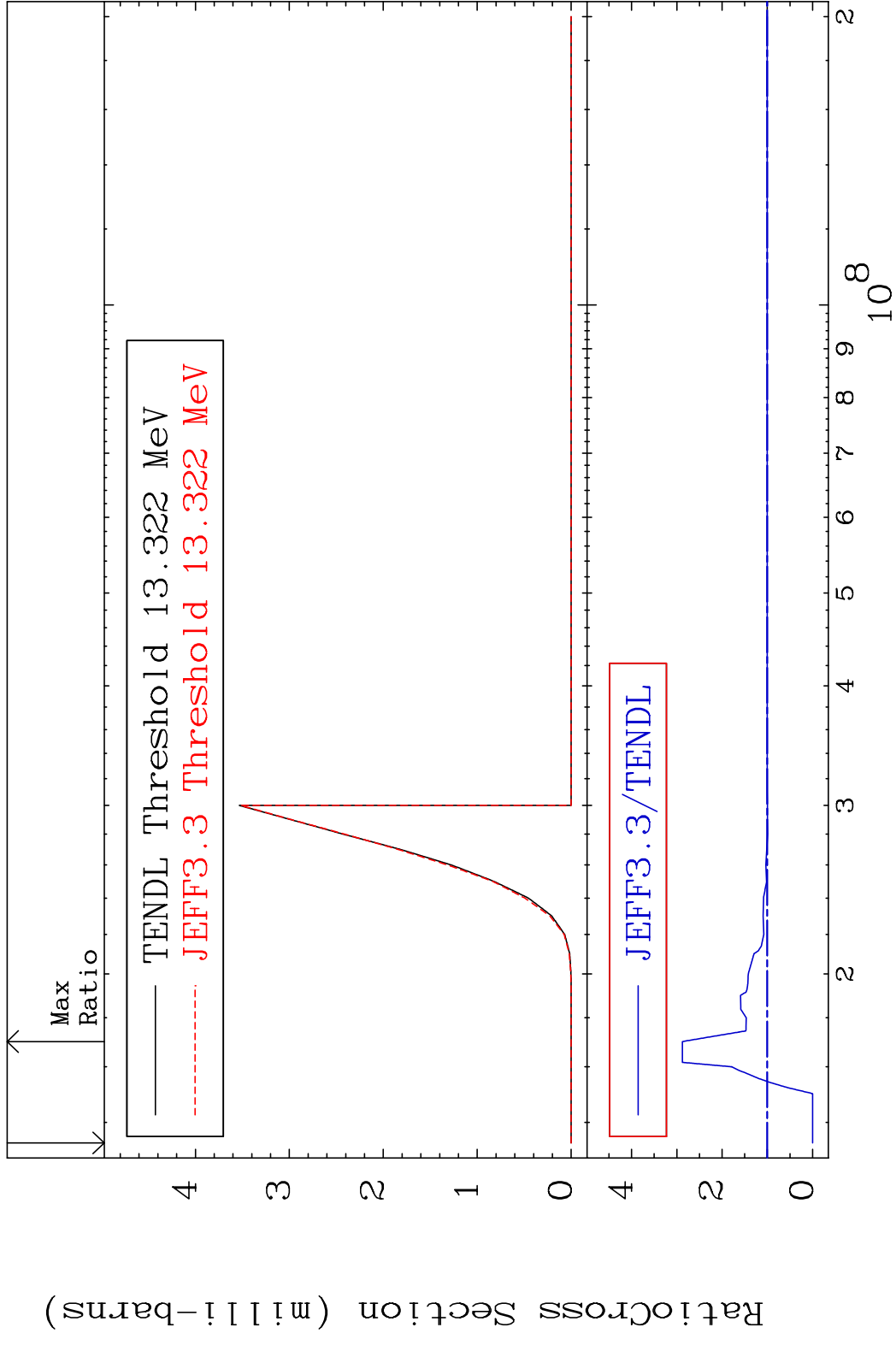
MAT 6849 (n,2n) α :66-Dy-165m2 68-Er-170
 Radionuclide Production Cross Section 18000 dth 9999. %



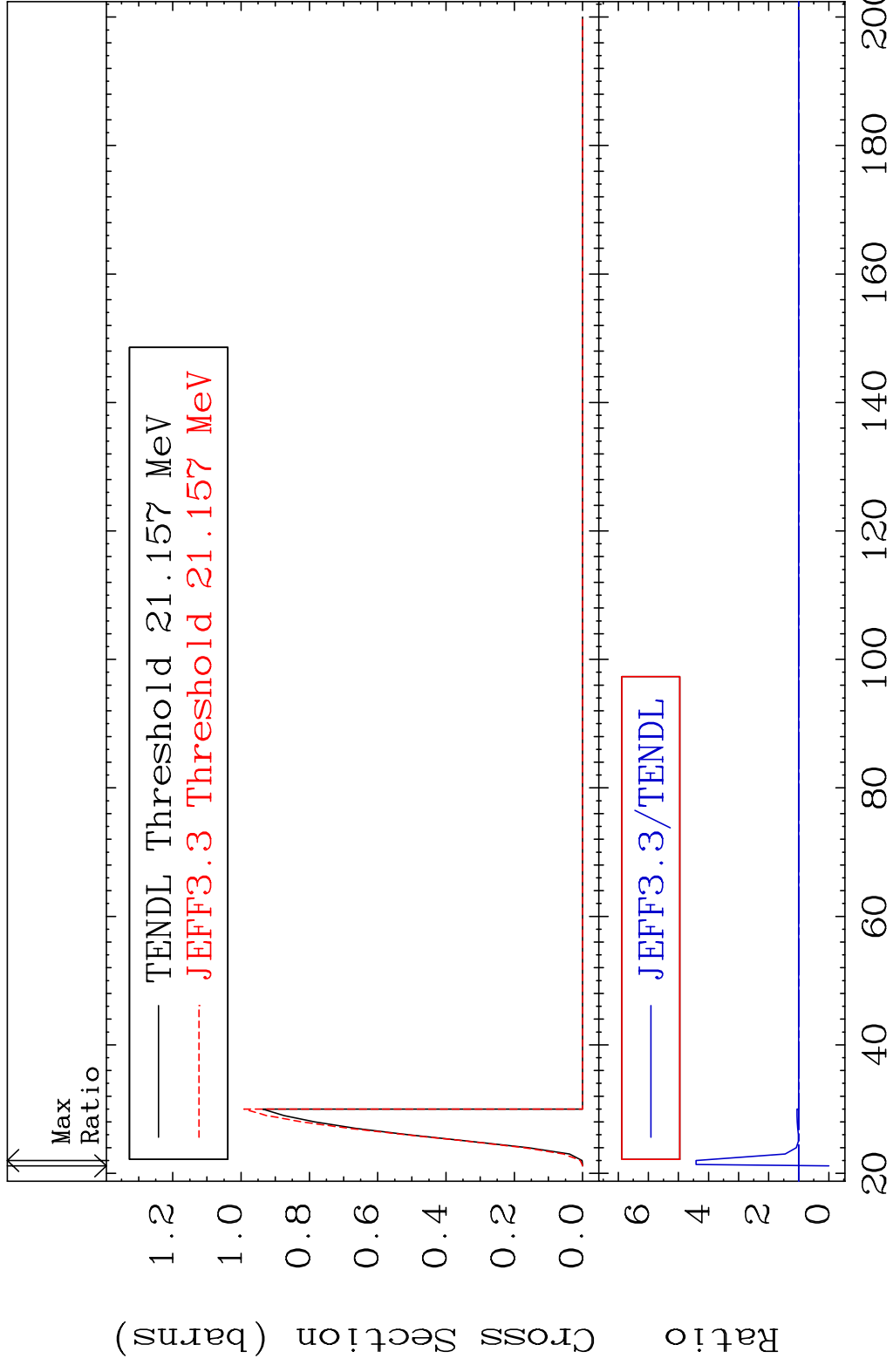
MAT 6849 (n, n') d:67-Ho-168g 68-Er-170
 Radionuclide Production Cross Section 180.0 dth 706.5 %



MAT 6849 (n, n') d:67-Ho-168m1 68-Er-170
 Radionuclide Production Cross Section 187.8 %



MAT 6849 (n,4n):68-Er-167g 68-Er-170
 Radionuclide Production Cross Section 180.0 dth 341.6 %



MAT 6849 (n, 4n):68-Er-167m3 68-Er-170
 Radionuclide Production Cross Section 180.0 dth 418.2 %

