

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

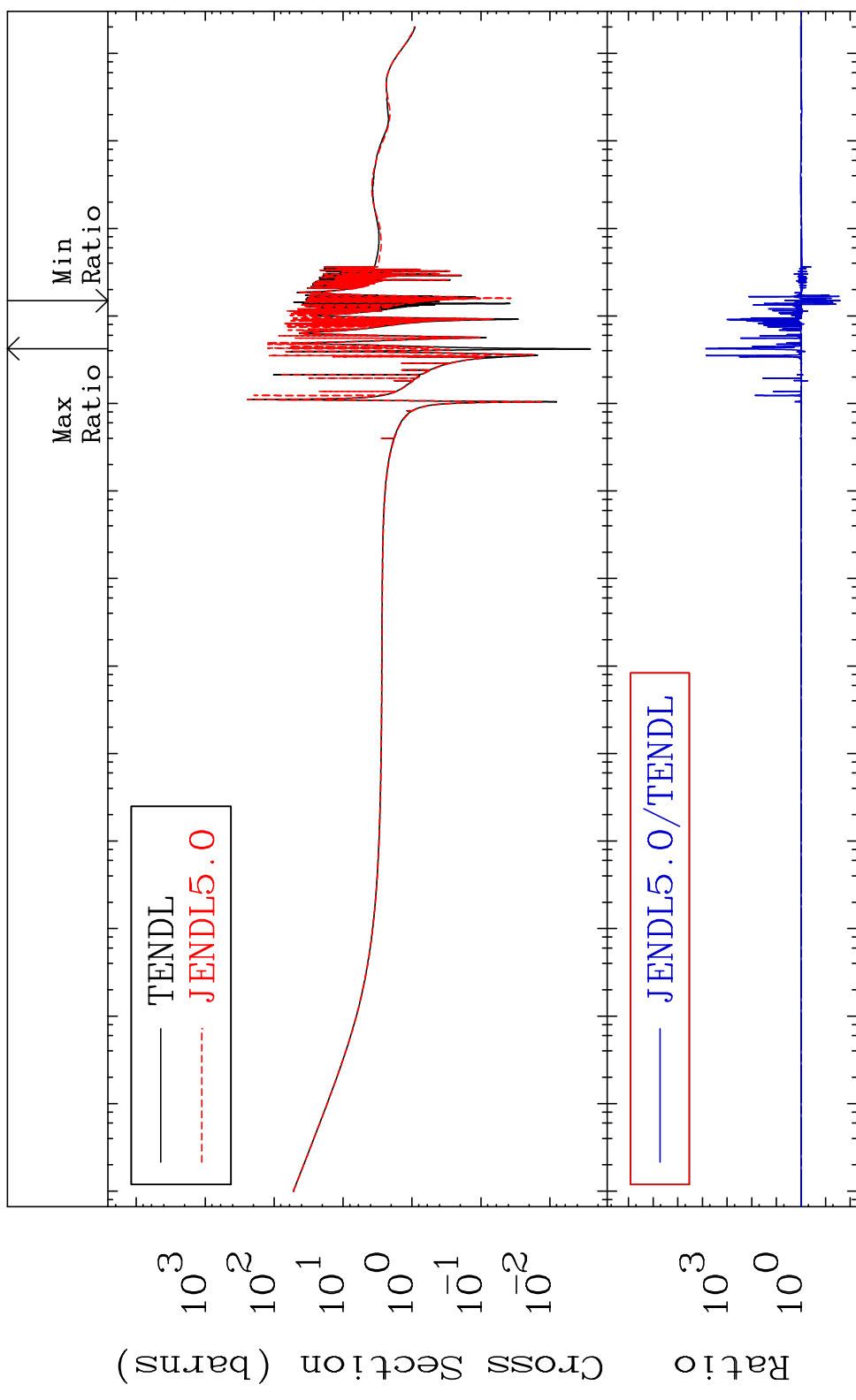
MAT 2225

Total

22-Ti-46

Cross Section

-97.50 To 9999. %



1

Incident Energy (eV)

22-Ti-46

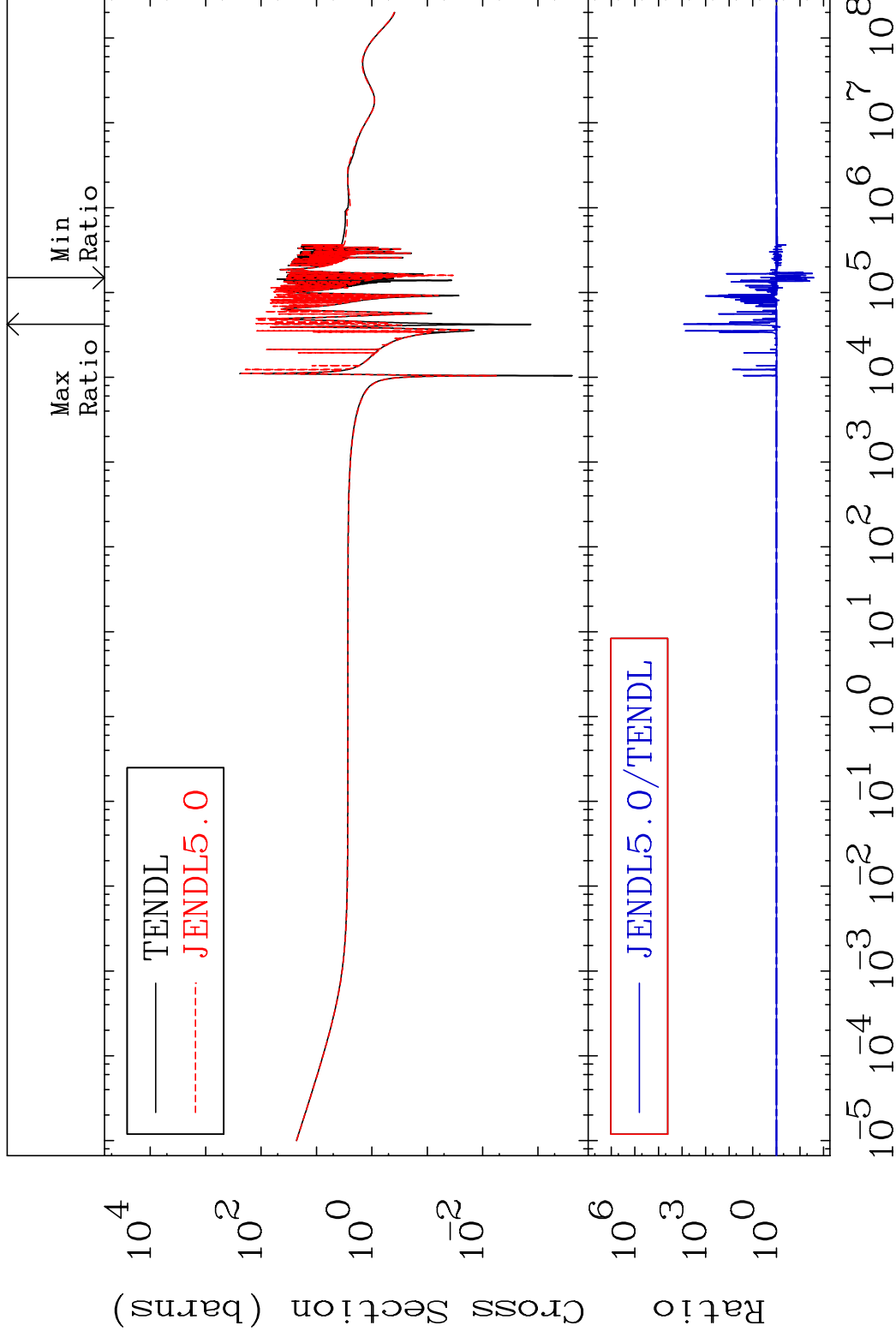
MAT 2225

Elastic

22-Ti-46

Cross Section

-97.50 To 9999. %

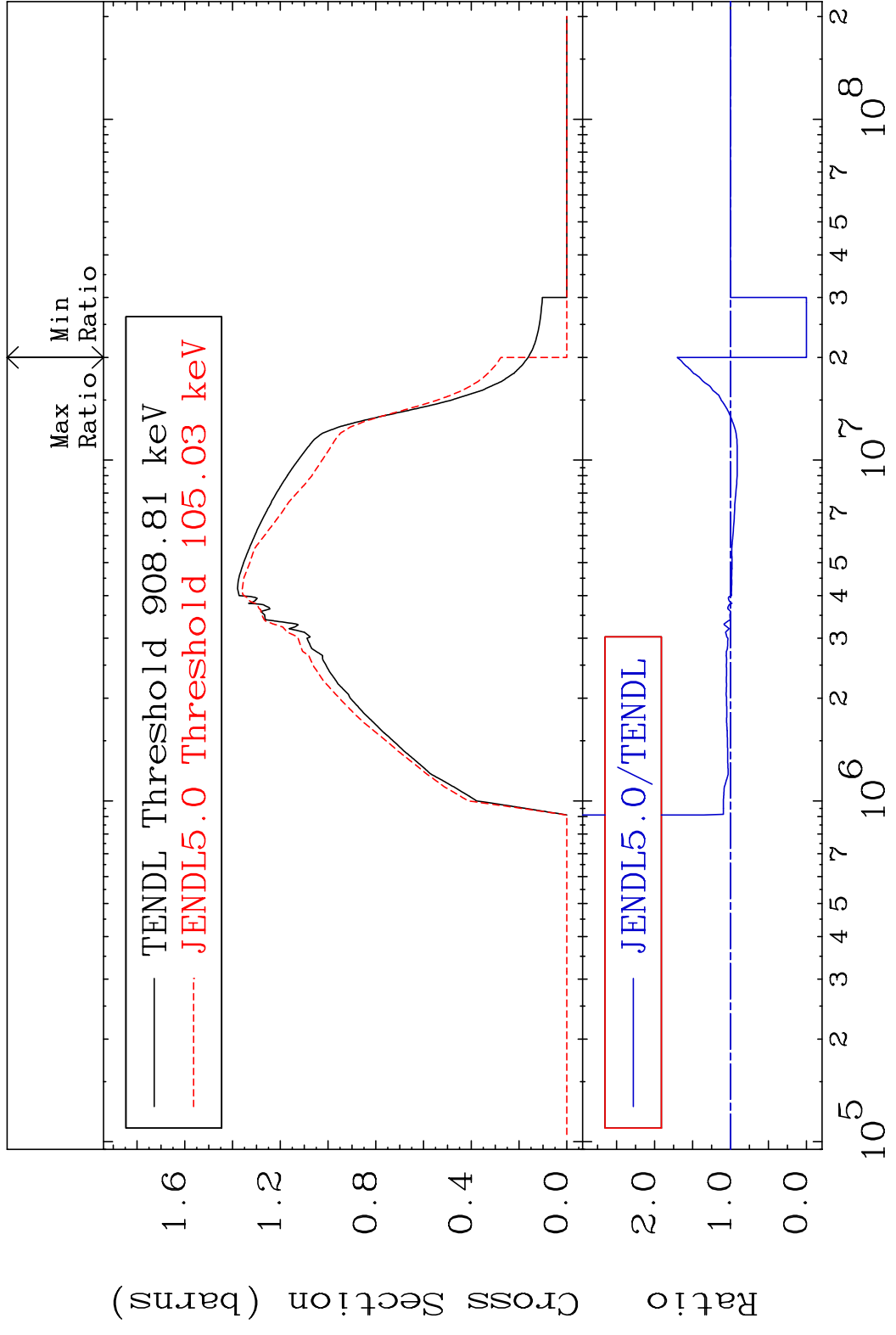


2

Incident Energy (eV)

22-Ti-46

MAT 2225 Inelastic Cross Section -100.0 To 70.24 % 22-Ti-46



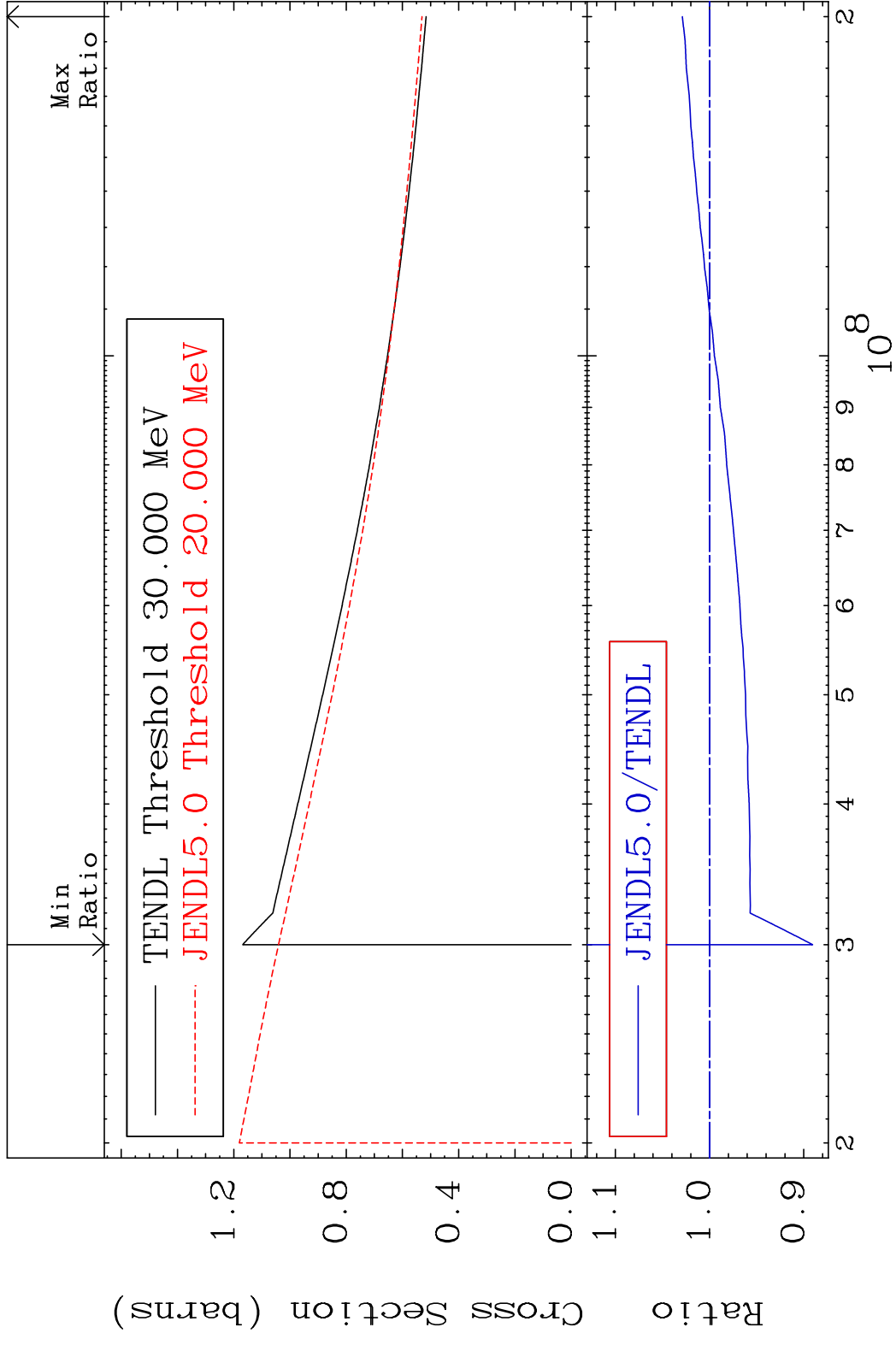
3 Incident Energy (eV) 22-Ti-46

MAT 2225

(n, remainder)

22-Ti-46

Cross Section -10.93 To 2.889 %

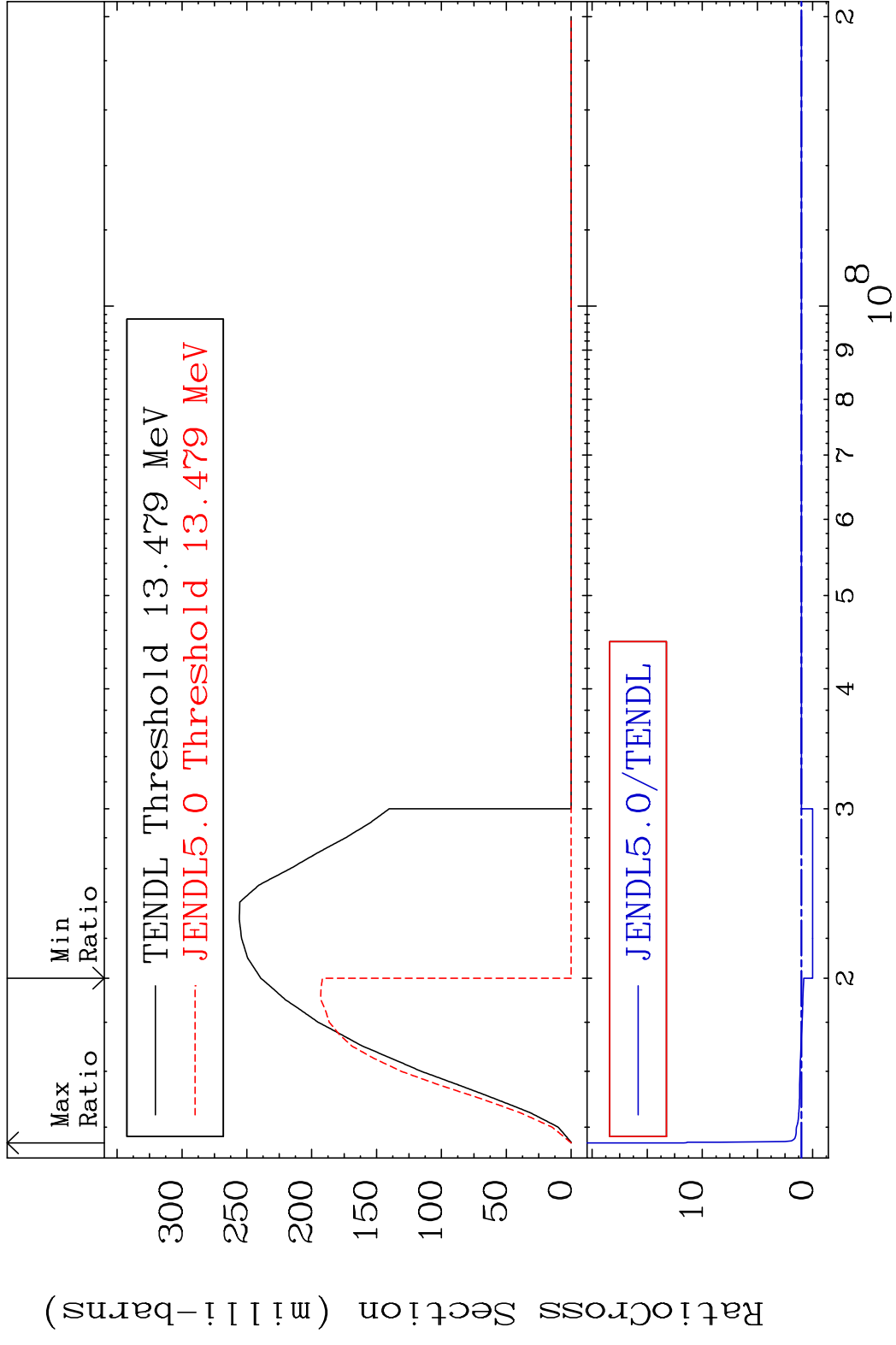


4

Incident Energy (eV)

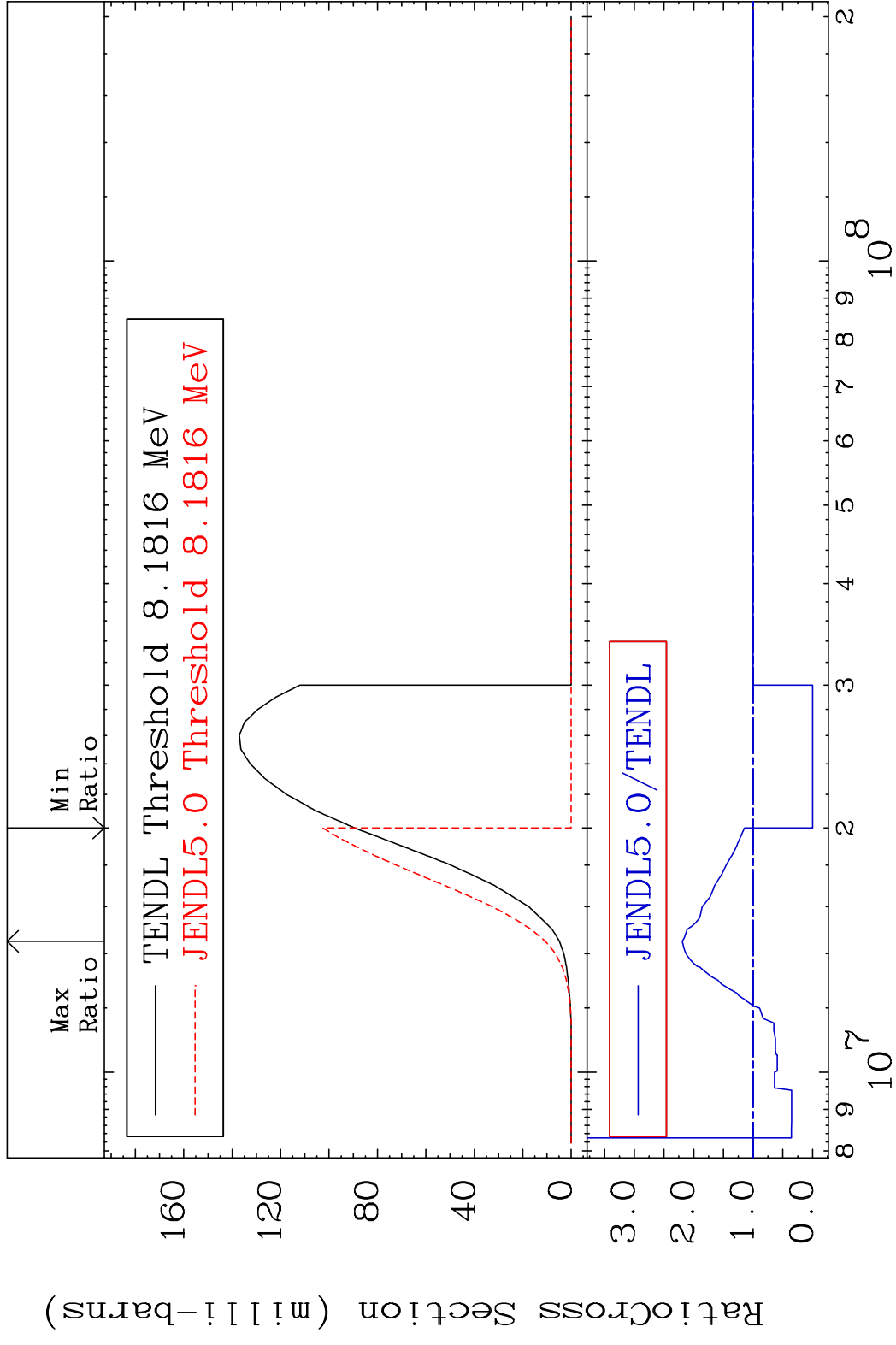
22-Ti-46

MAT 2225 (n,2n) ²²Ti-46
 Cross Section -100.0 To 1081. %

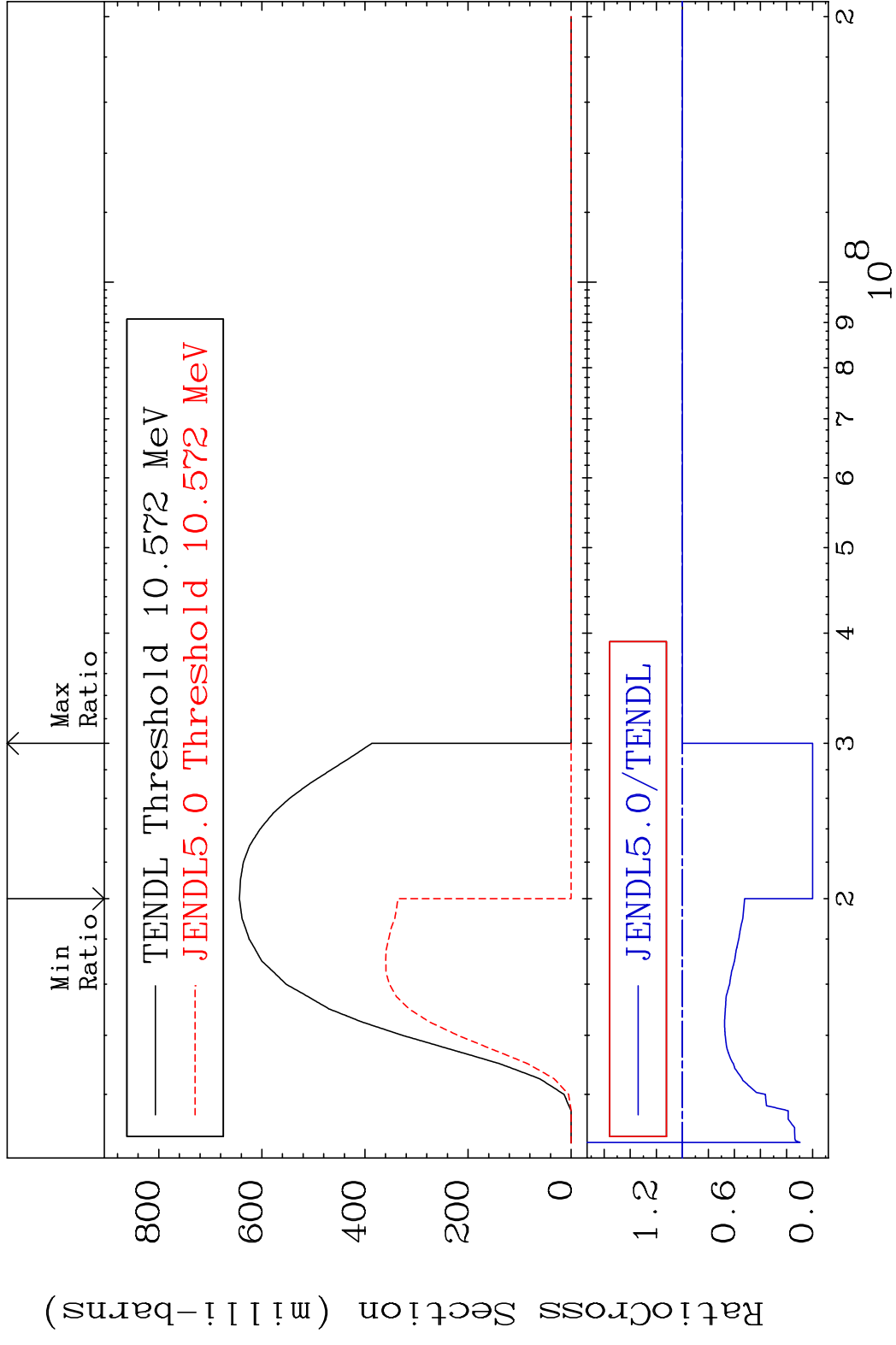


5 Incident Energy (eV) ²²Ti-46

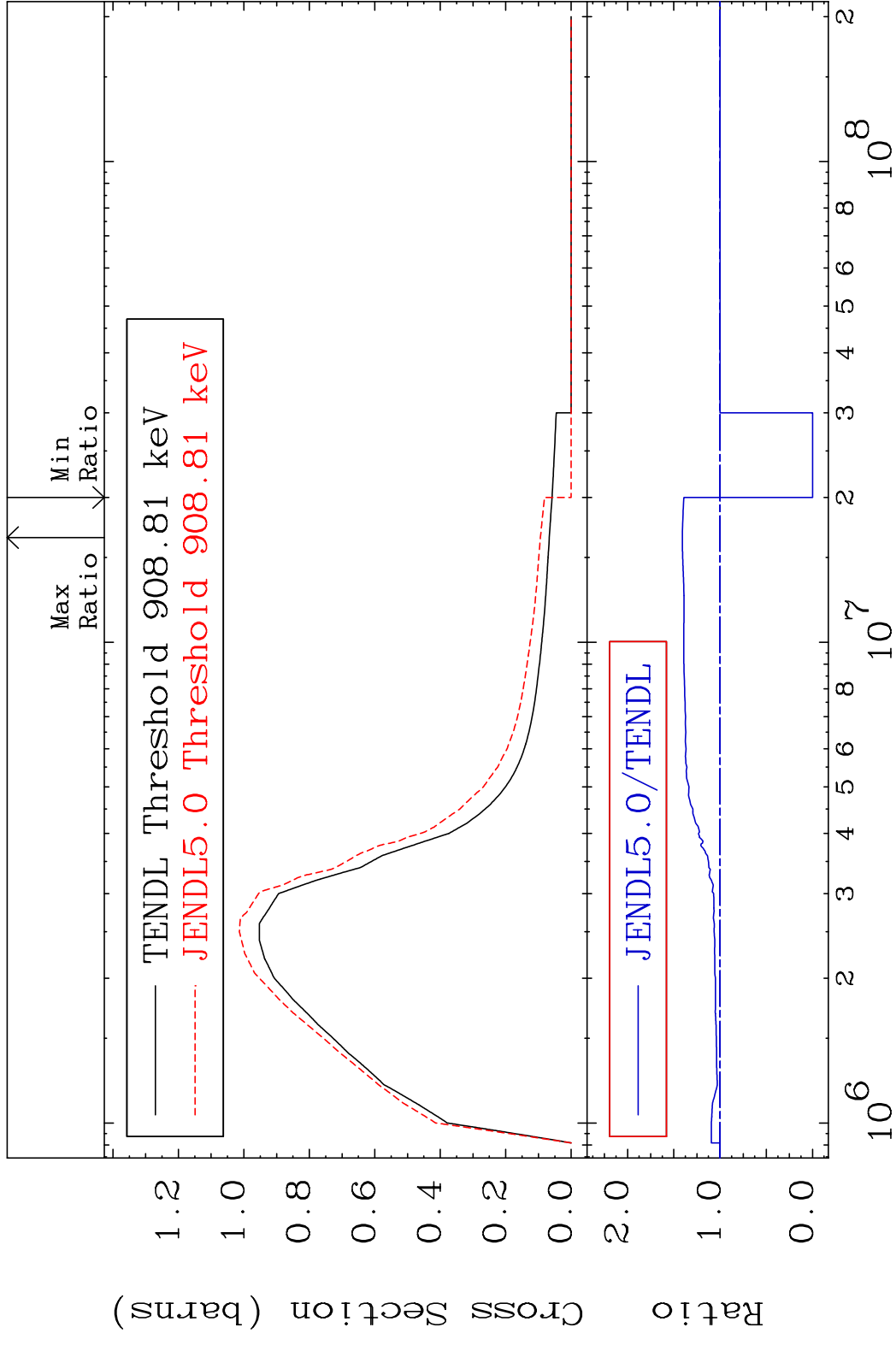
MAT 2225 (n, n') α $^{22}\text{Ti-46}$
 Cross Section -100.0 To 119.1 %



MAT 2225 (n, n') p 22-Ti-46
 Cross Section -100.0 To 0.000 %

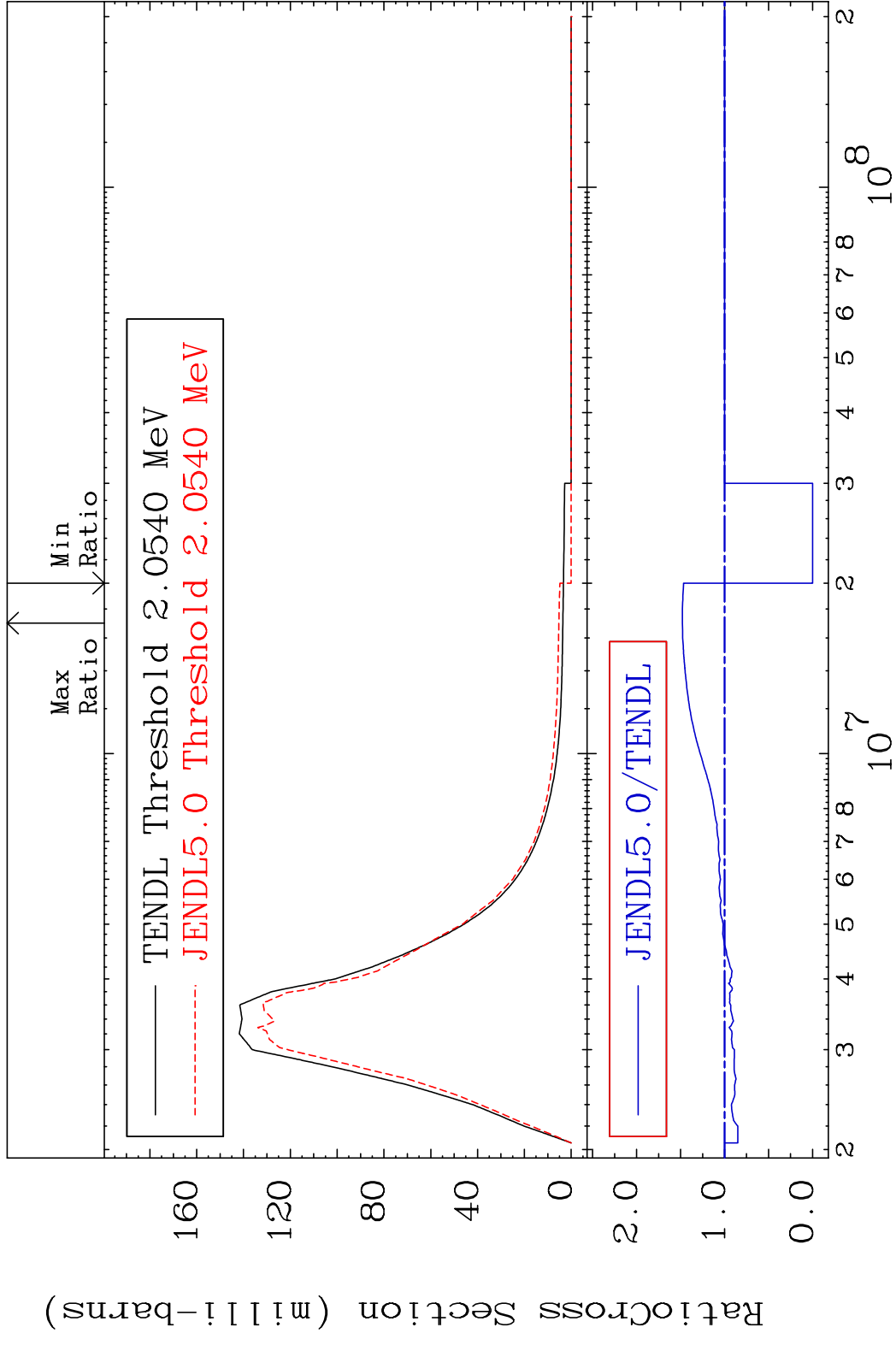


MAT 2225 MT= 51 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 40.75 %

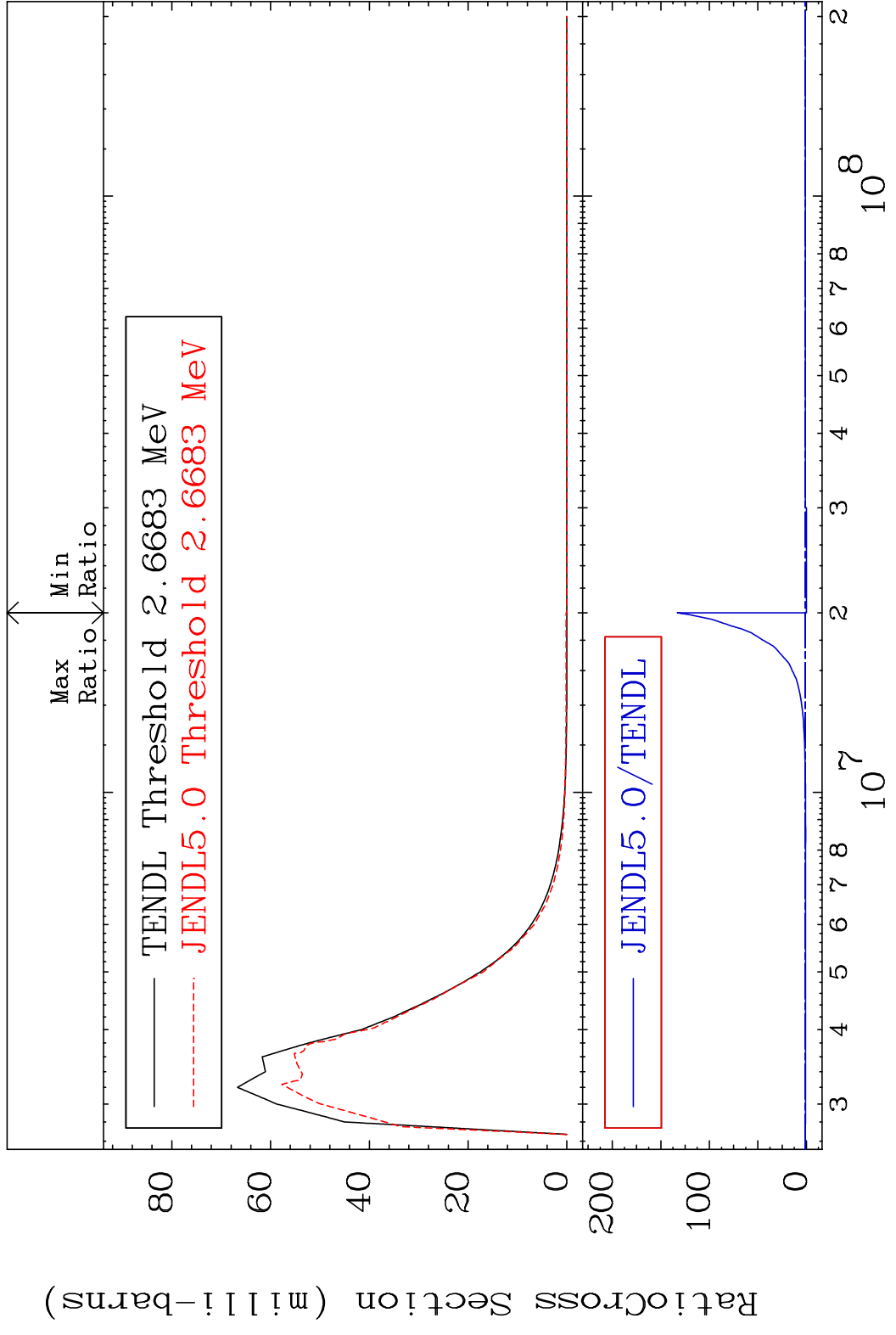


8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2

MAT 2225 MT= 52 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 48.01 %

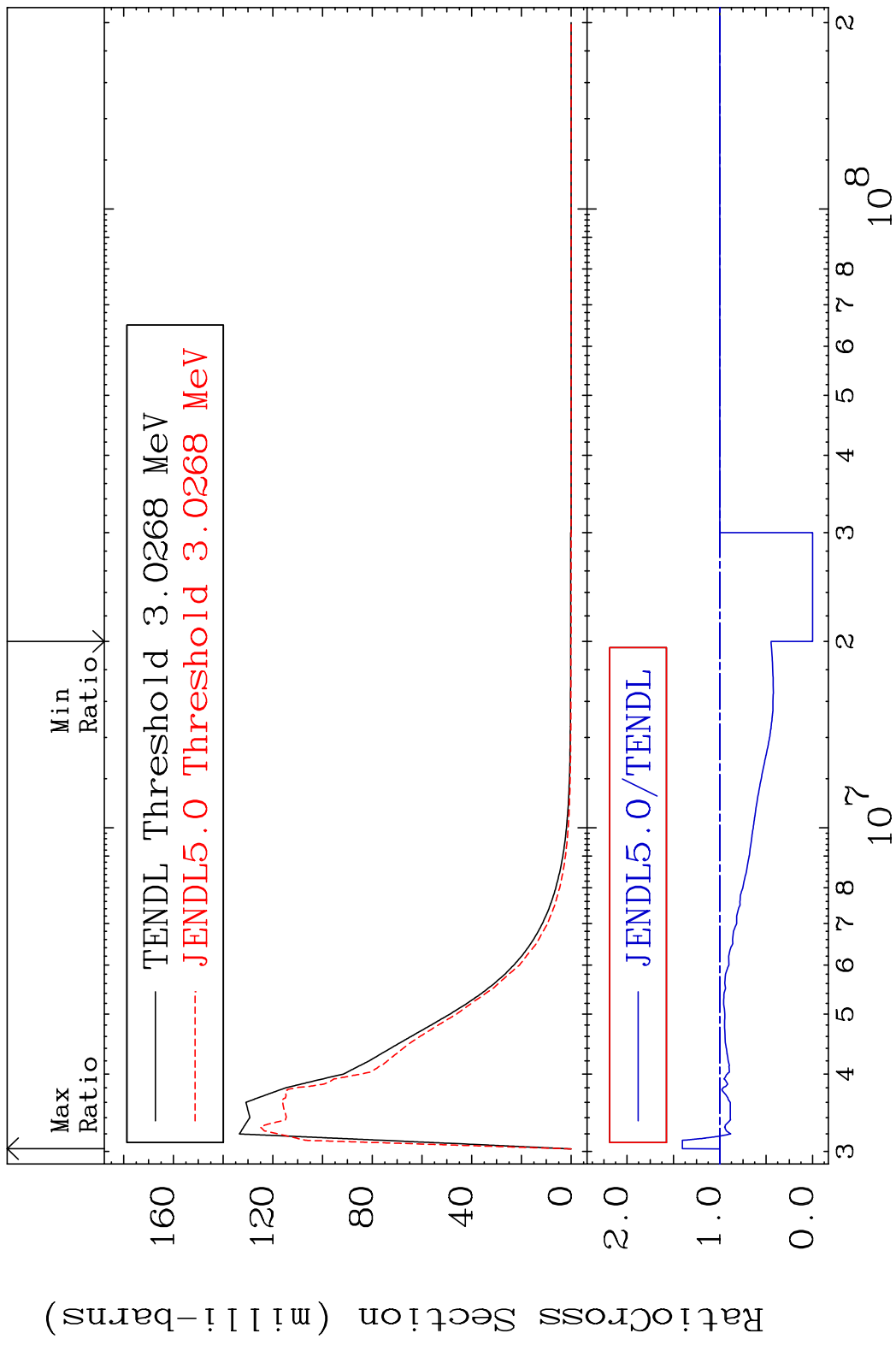


MAT 2225 MT= 53 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 9999. %

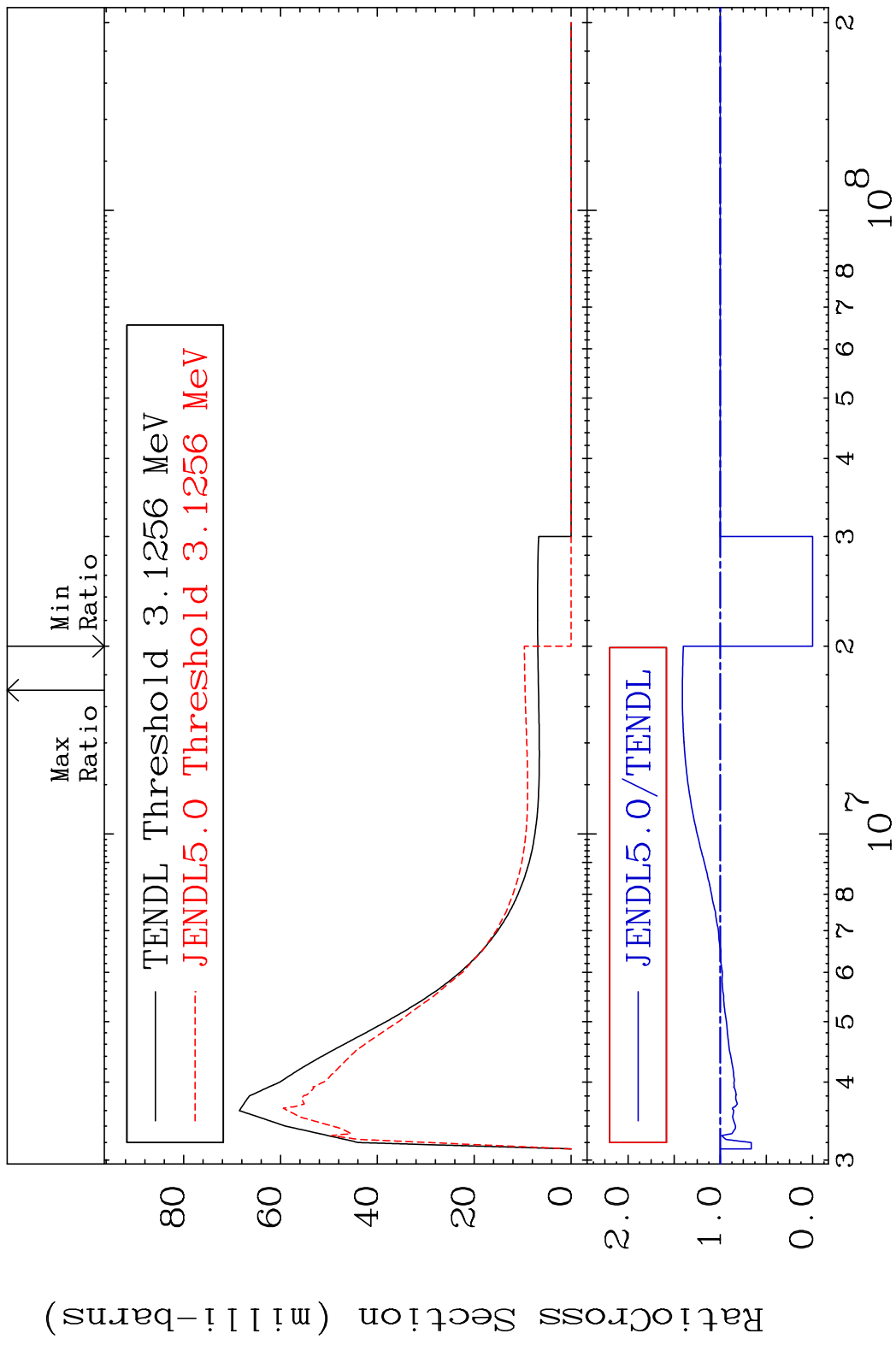


10 100 200 300 400 500 600 700 800 900 1000

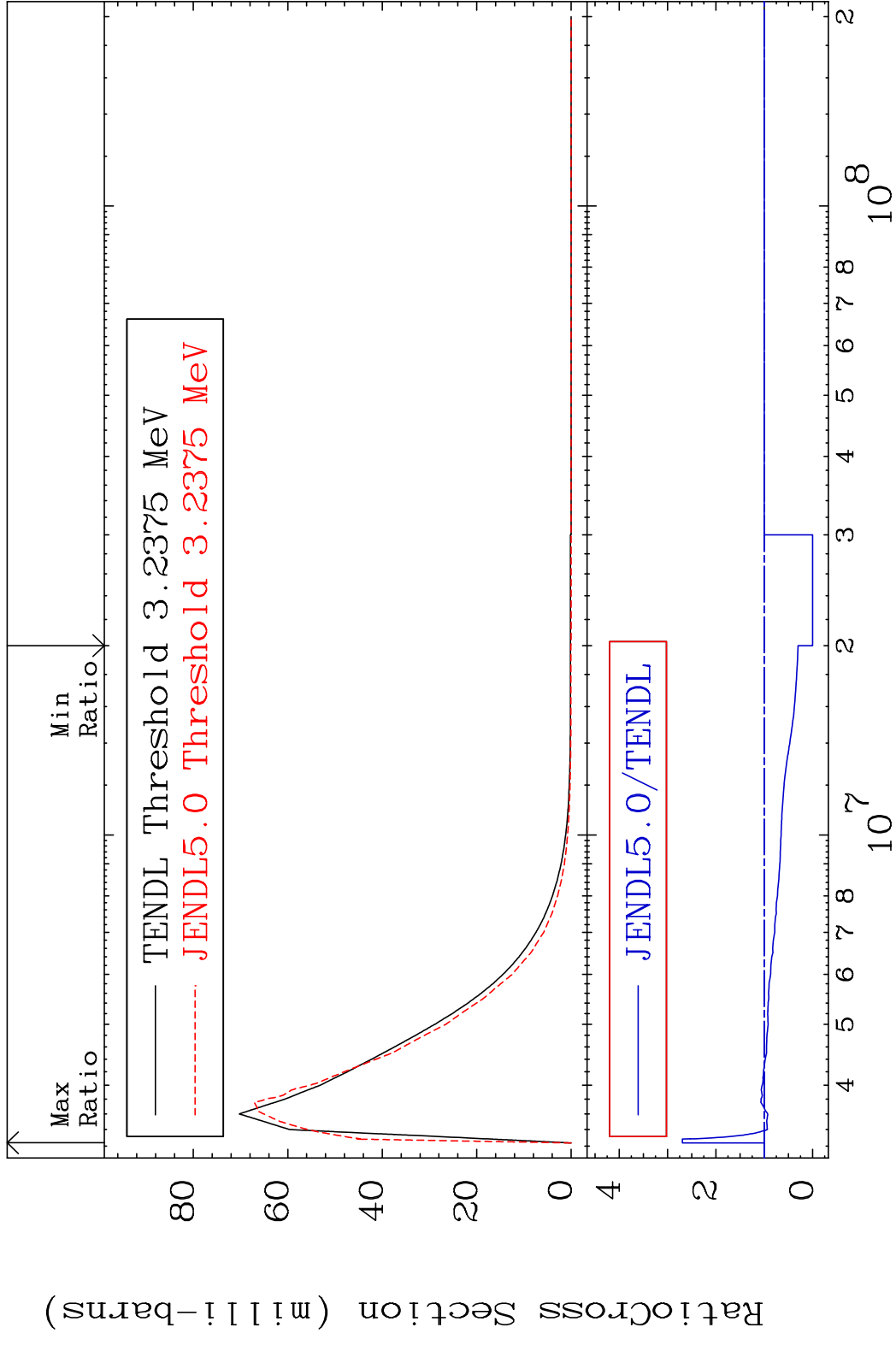
MAT 2225 MT= 54 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 40.39 %



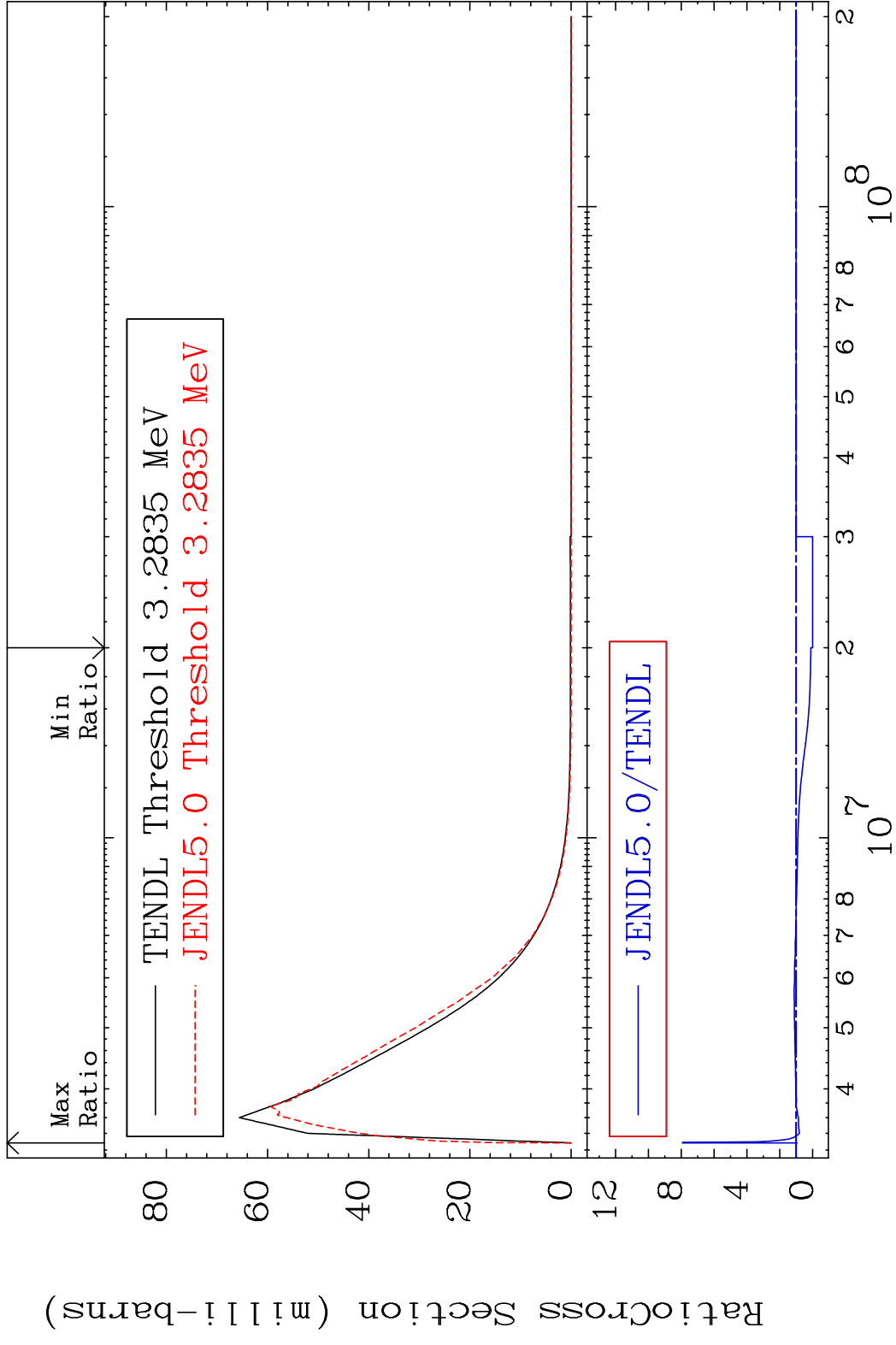
MAT 2225 MT= 55 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 41.12 %



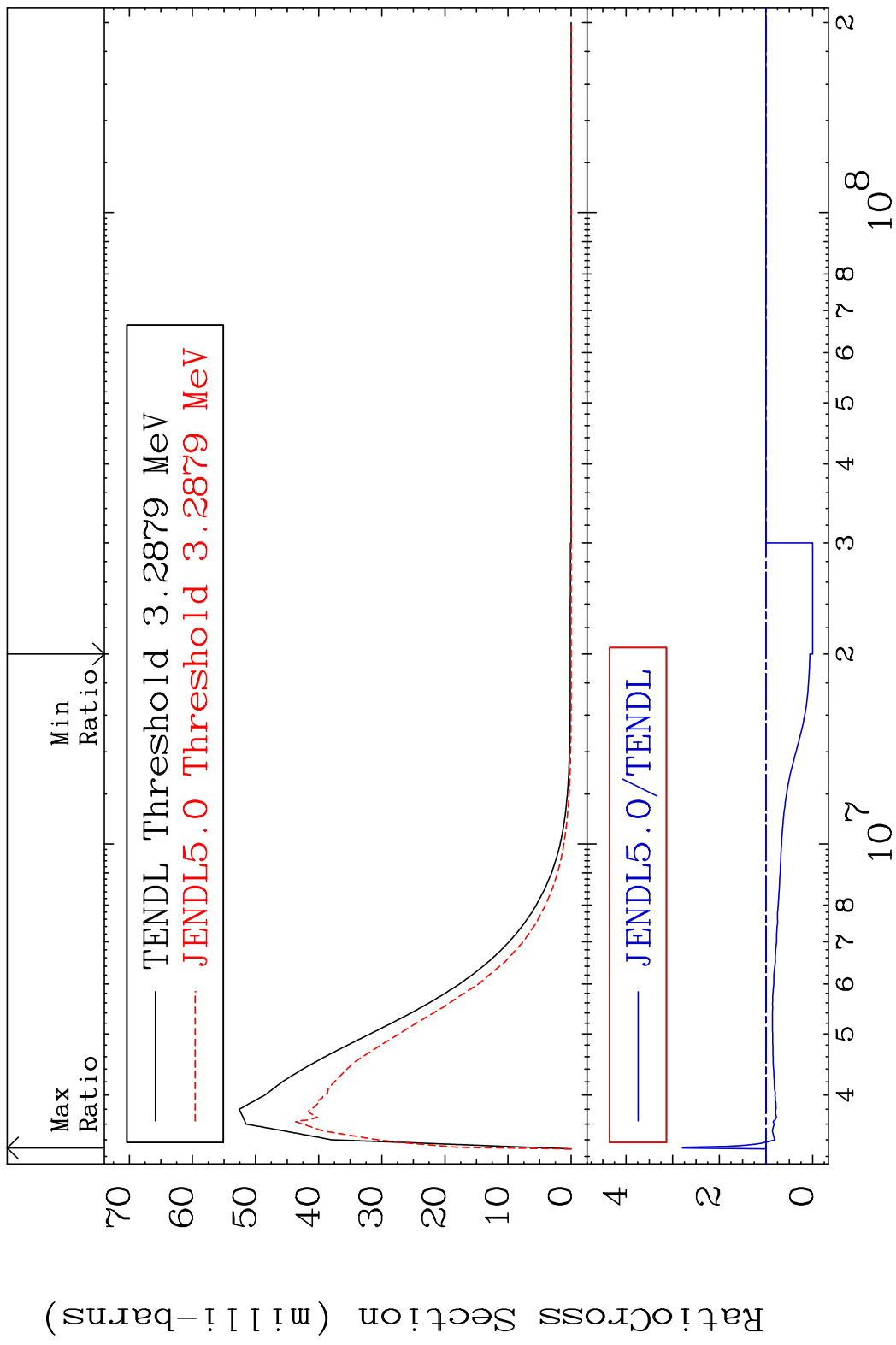
MAT 2225 MT= 56 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 169.3 %



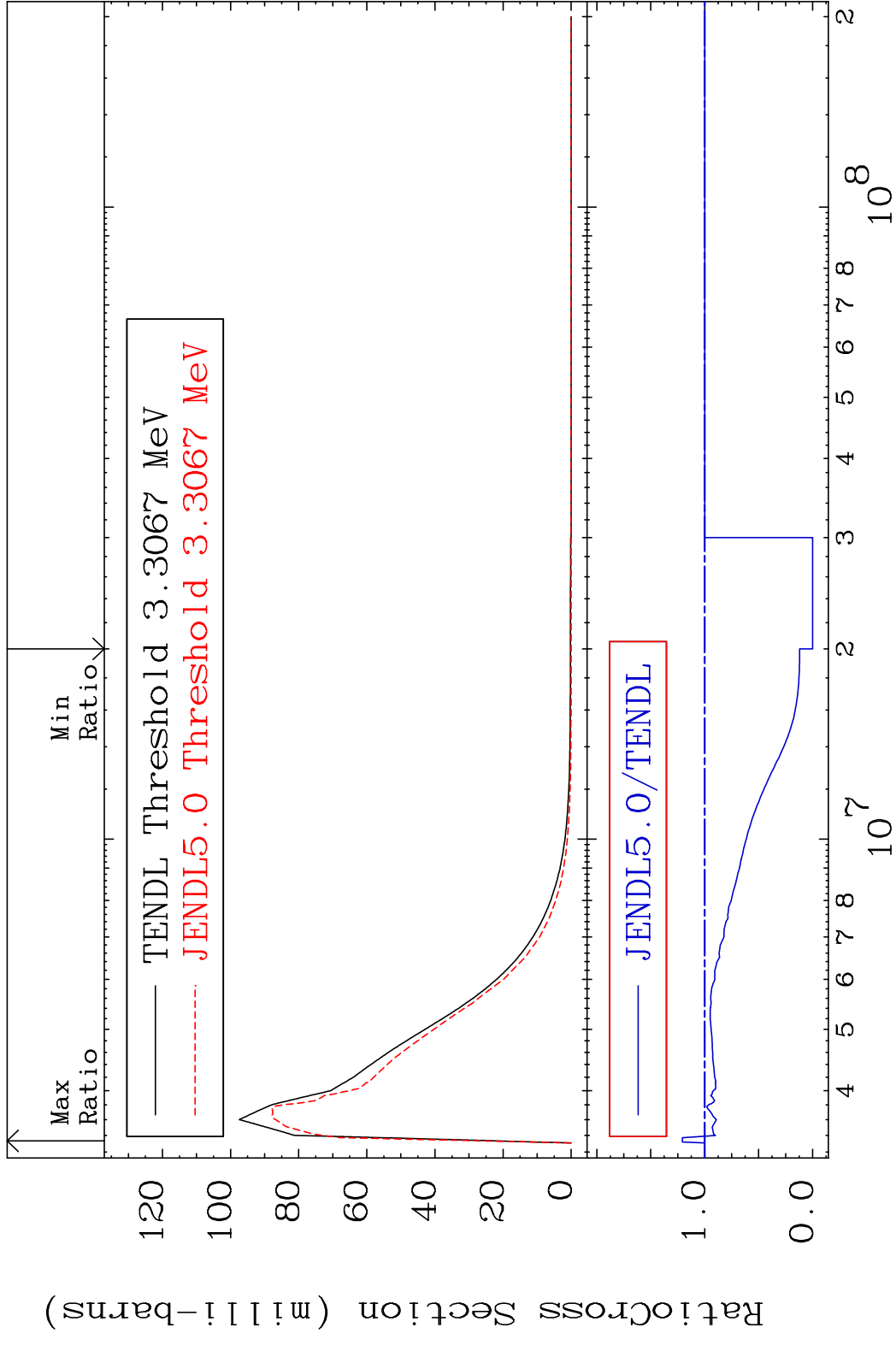
MAT 2225 MT= 57 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 693.2 %



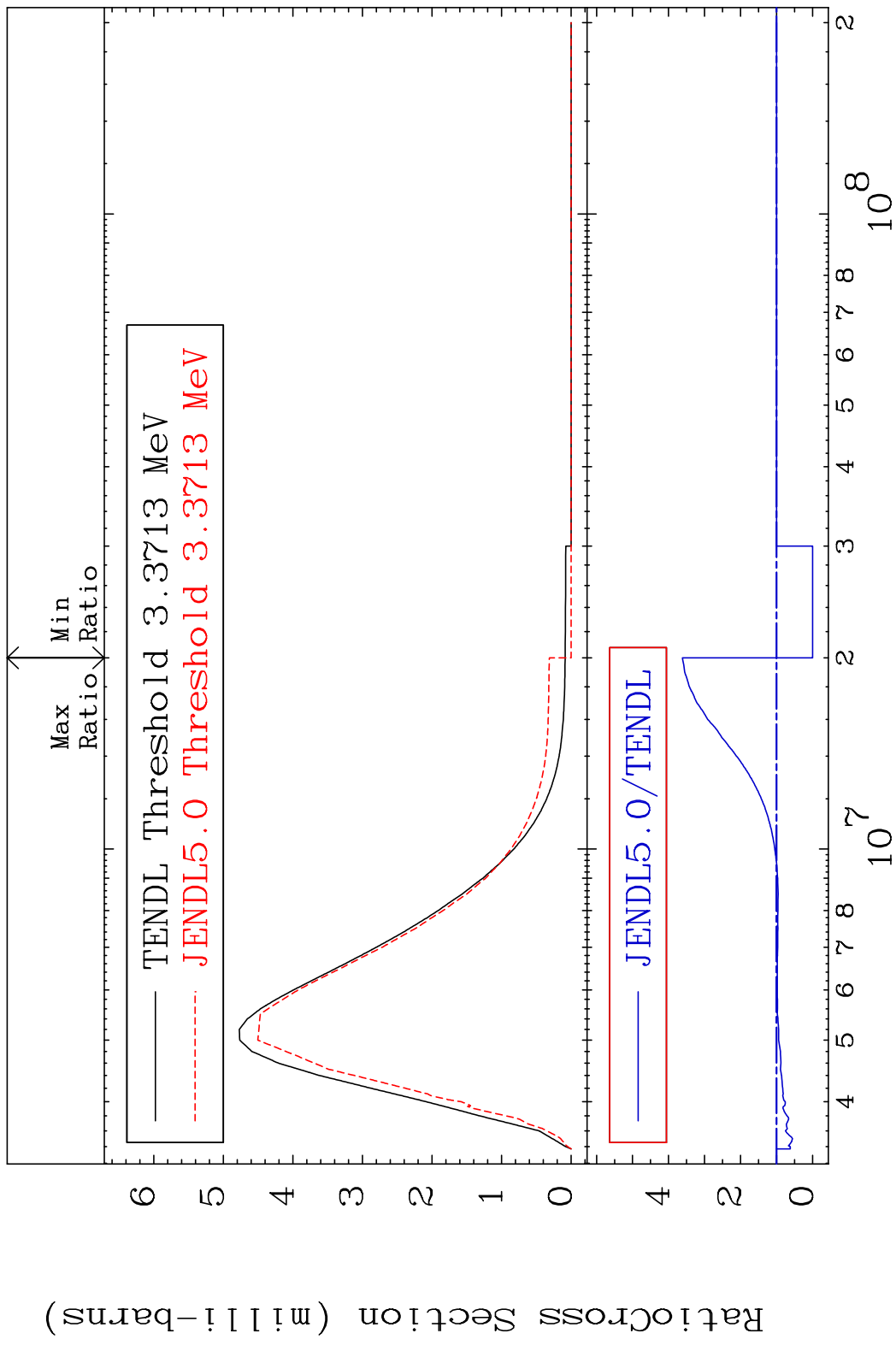
MAT 2225 MT= 58 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 179.2 %



MAT 2225 MT= 59 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 20.71 %

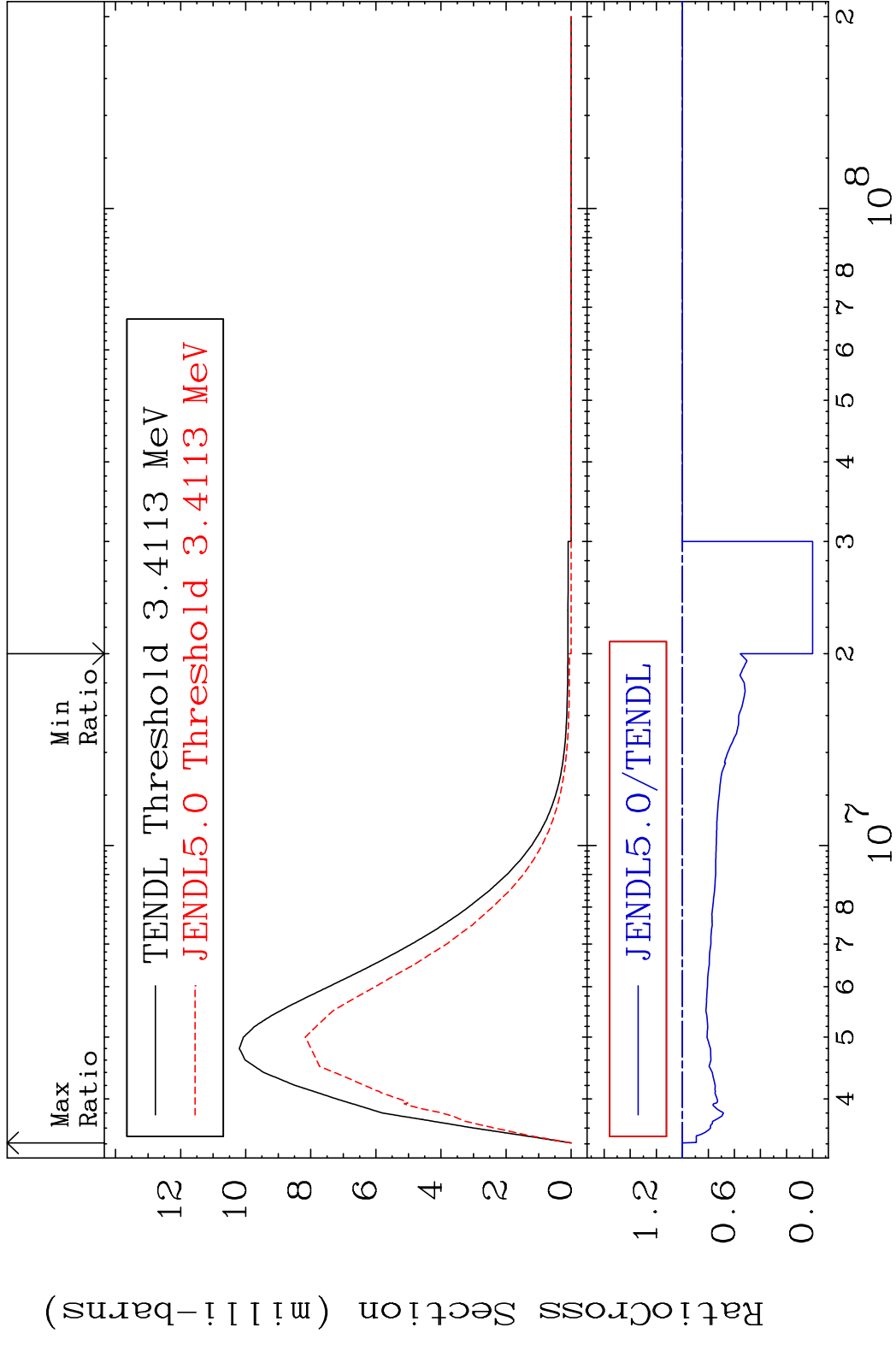


MAT 2225 MT= 60 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 261.7 %

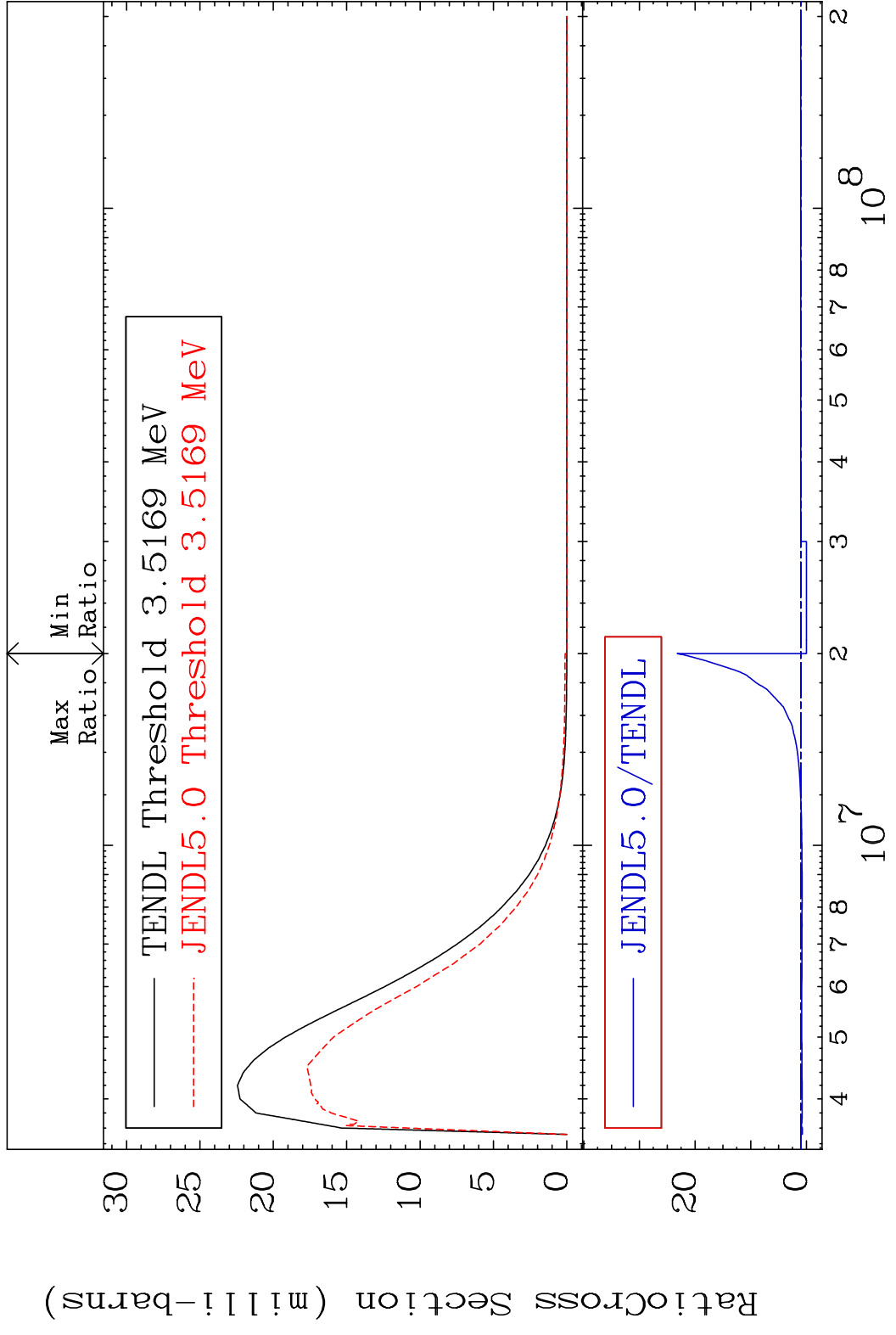


17 16 22-Ti-46

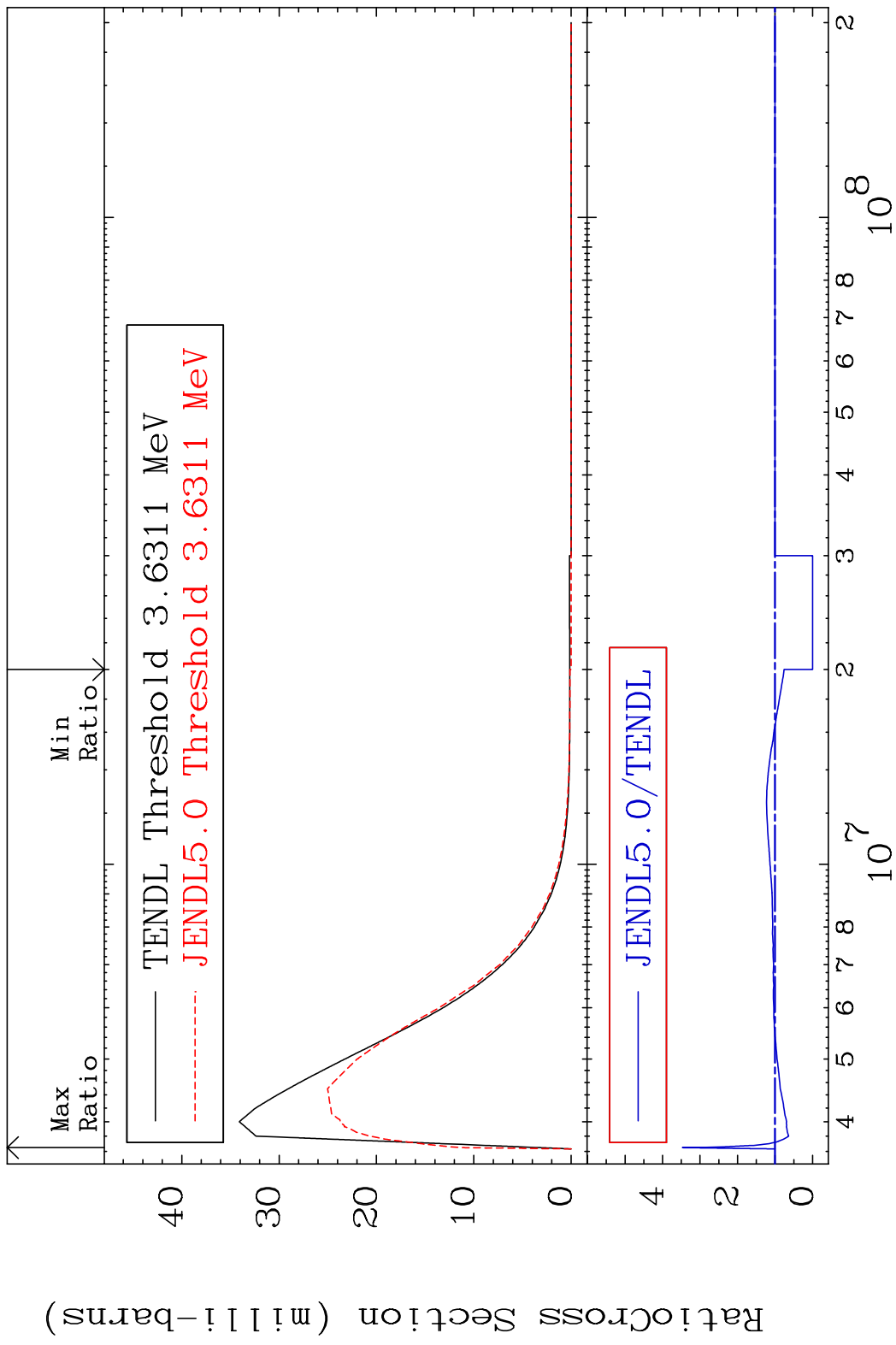
MAT 2225 MT= 61 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 0.000 %



MAT 2225 MT= 62 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 2221. %

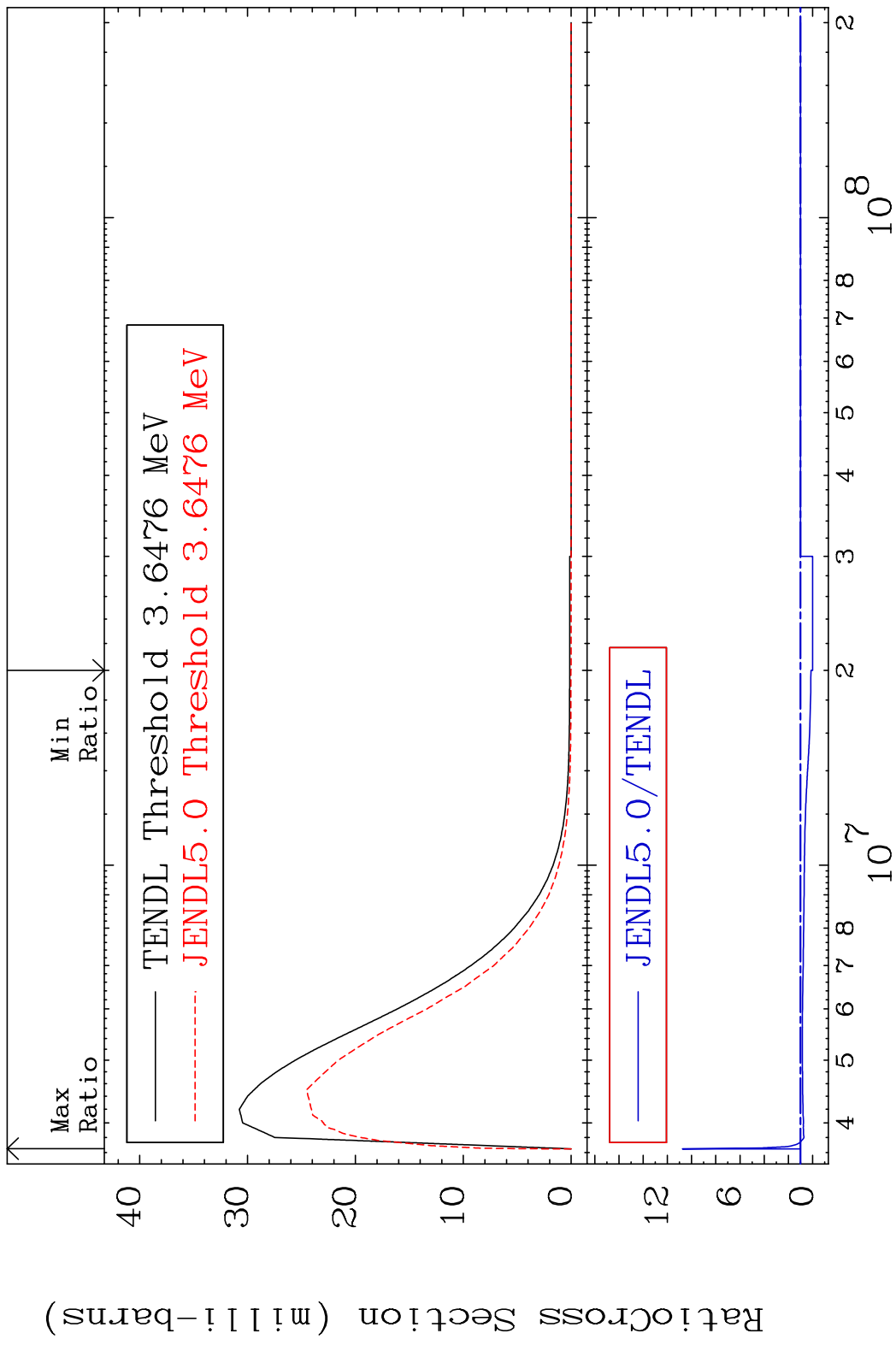


MAT 2225 MT= 63 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 247.2 %

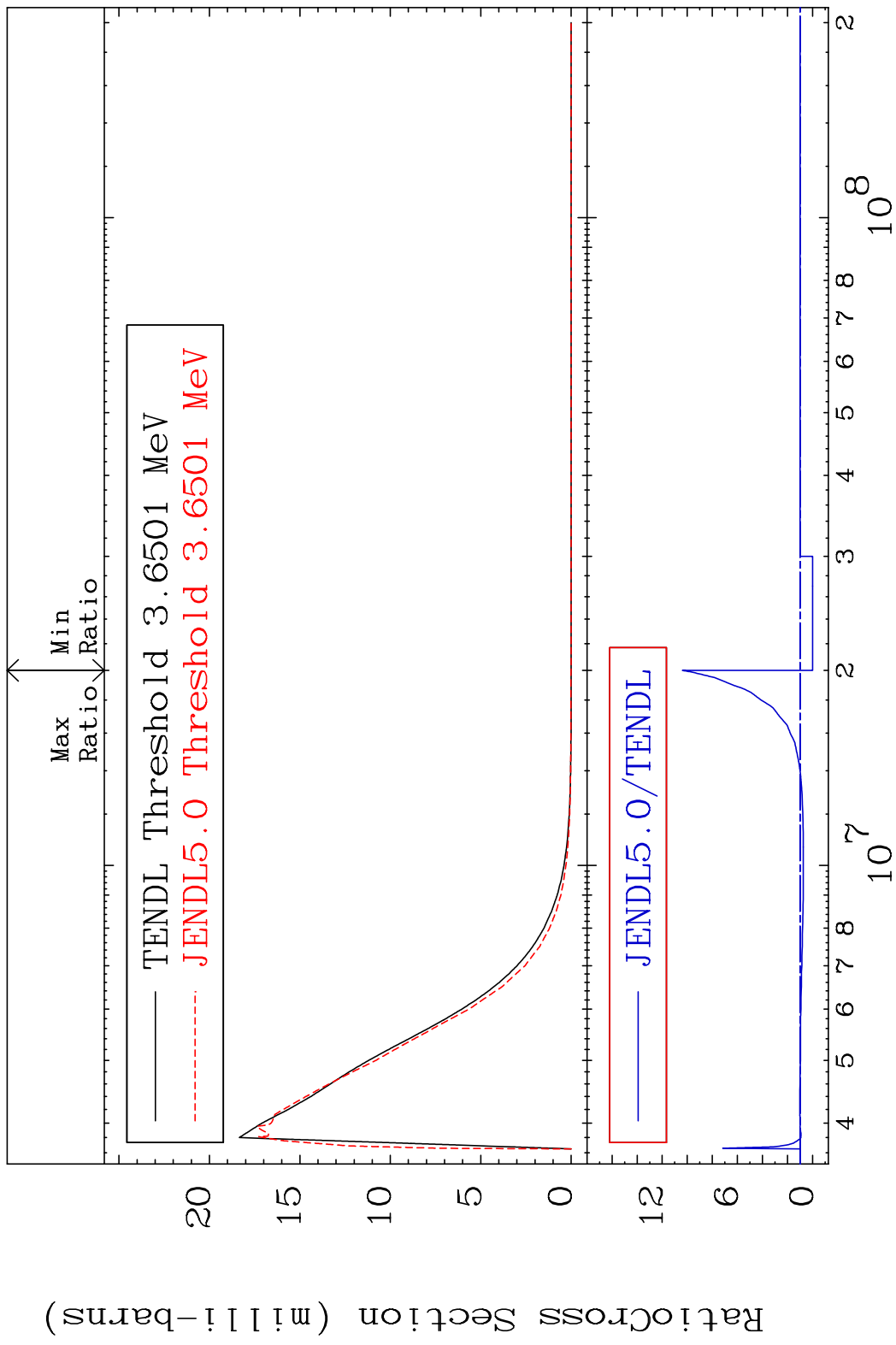


20 22-Ti-46

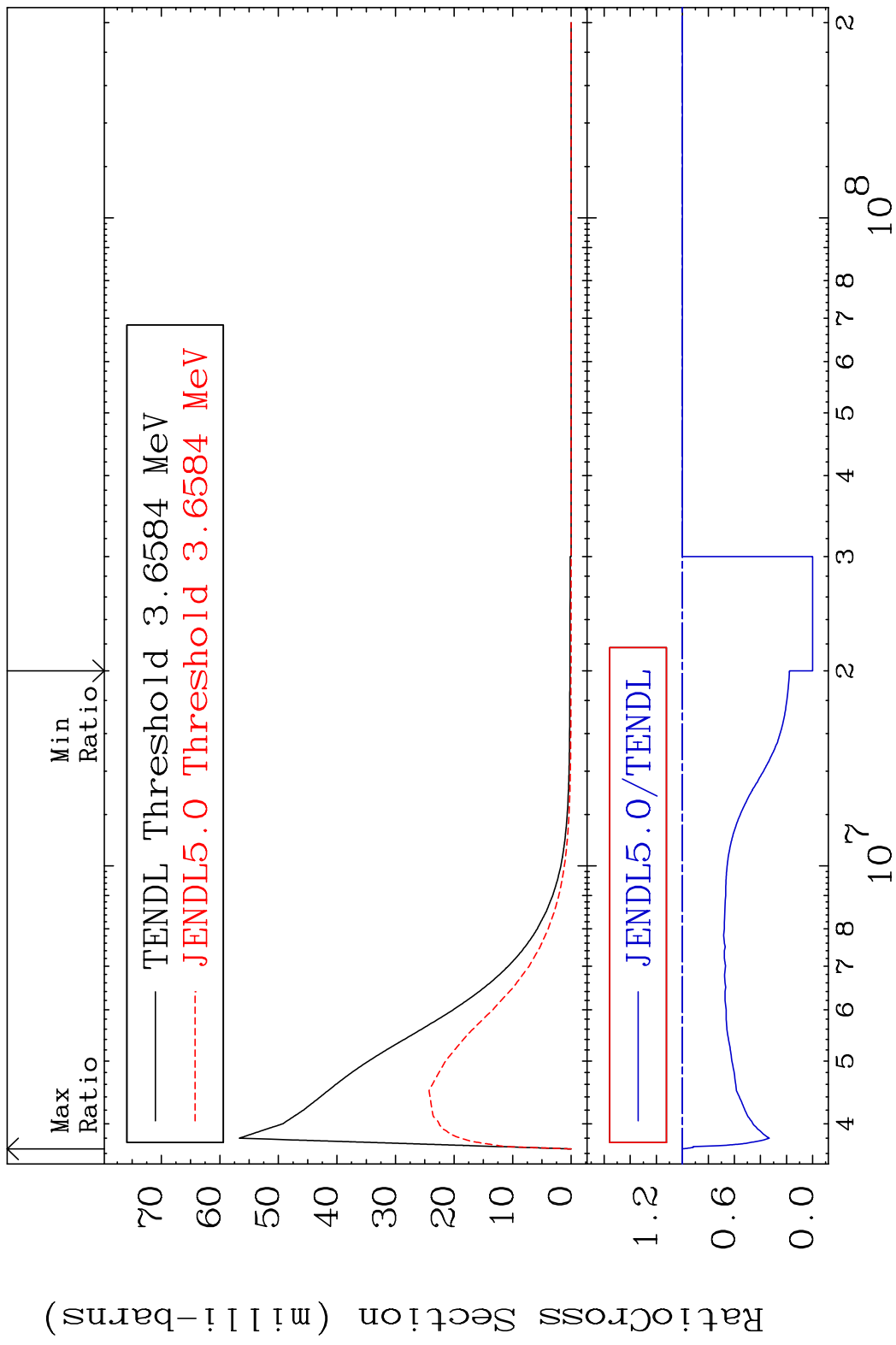
MAT 2225 MT= 64 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 976.4 %



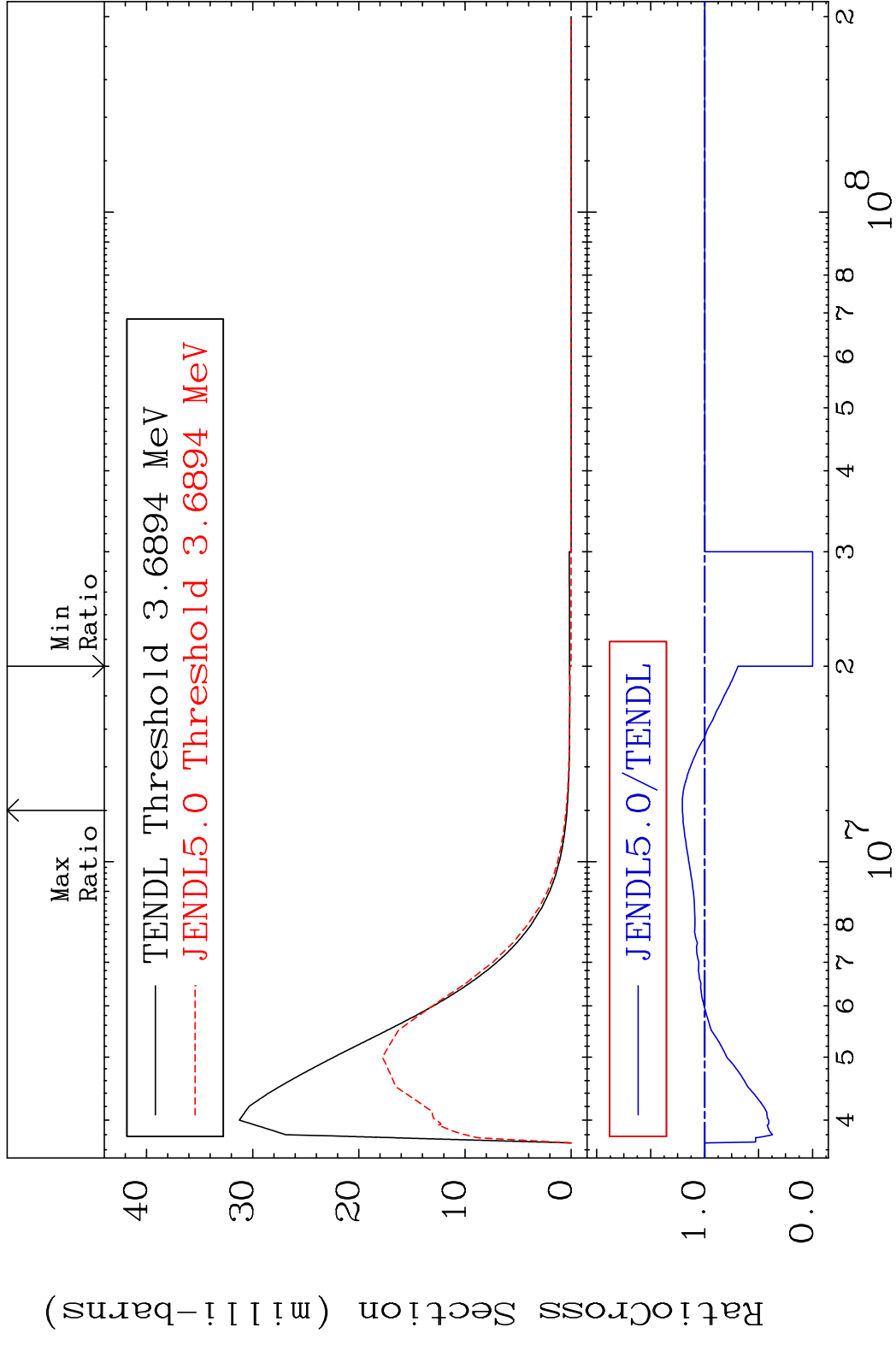
MAT 2225 MT= 65 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 939.1 %



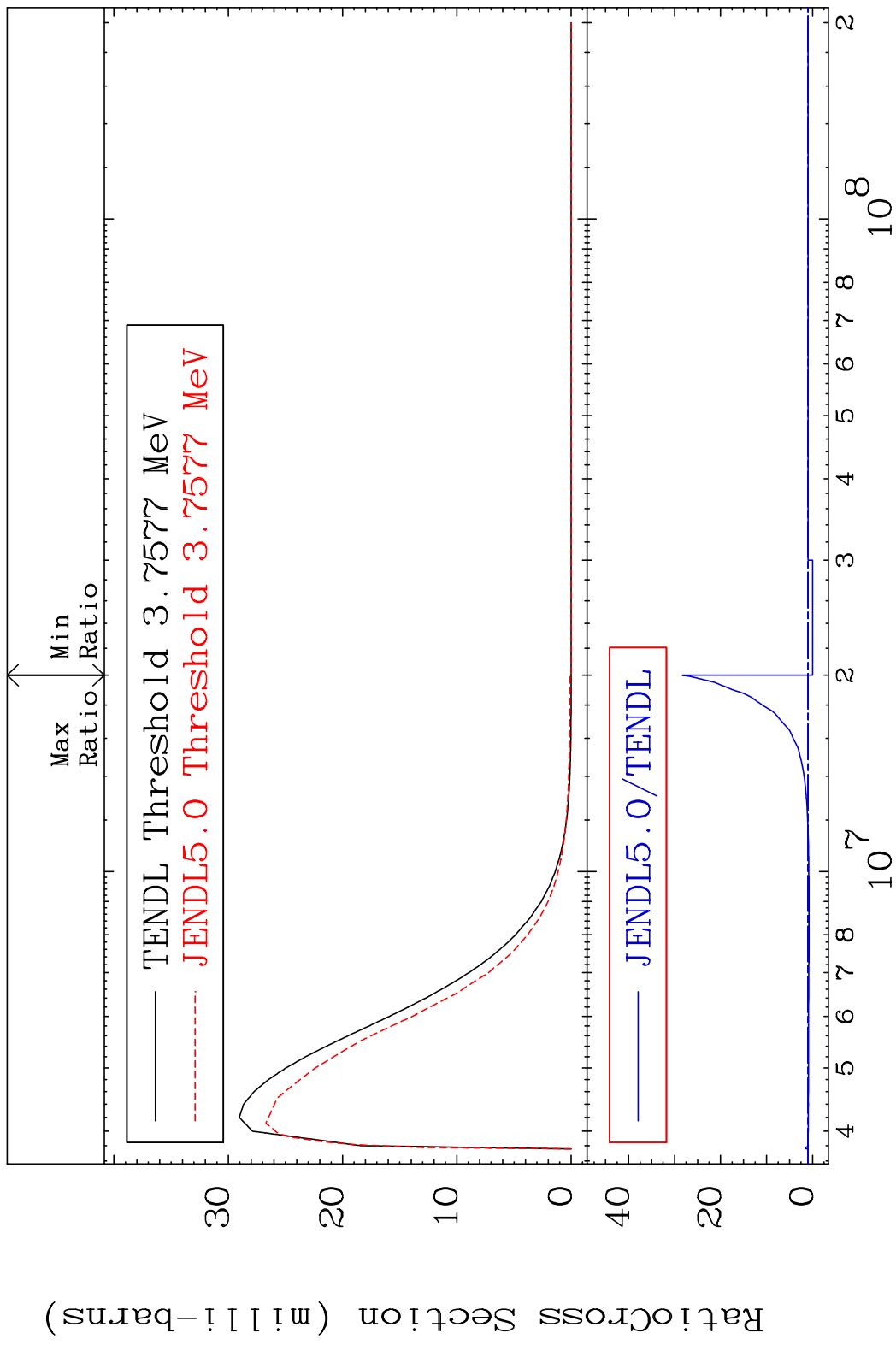
MAT 2225 MT= 66 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 0.000 %



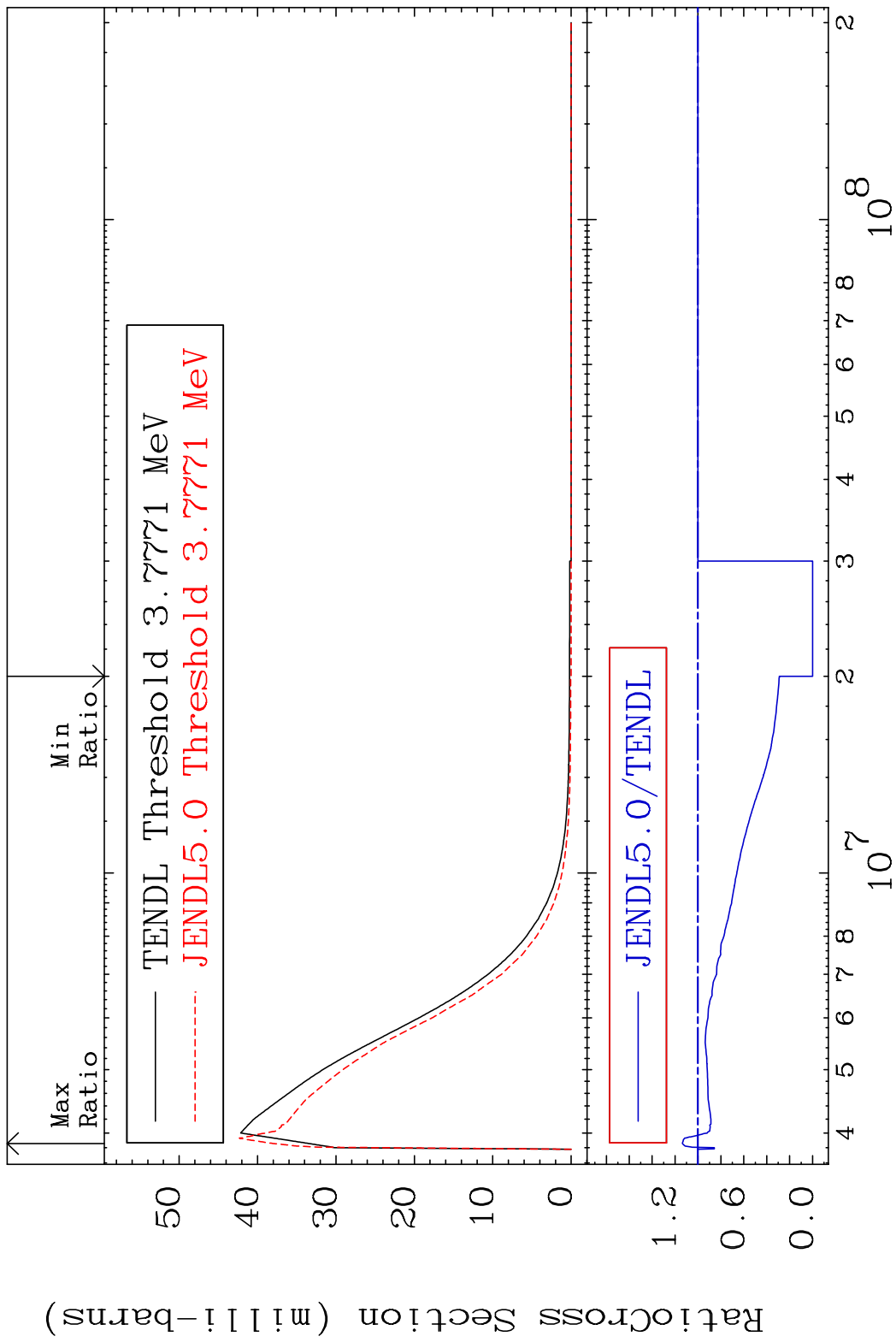
MAT 2225 MT= 67 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 20.65 %



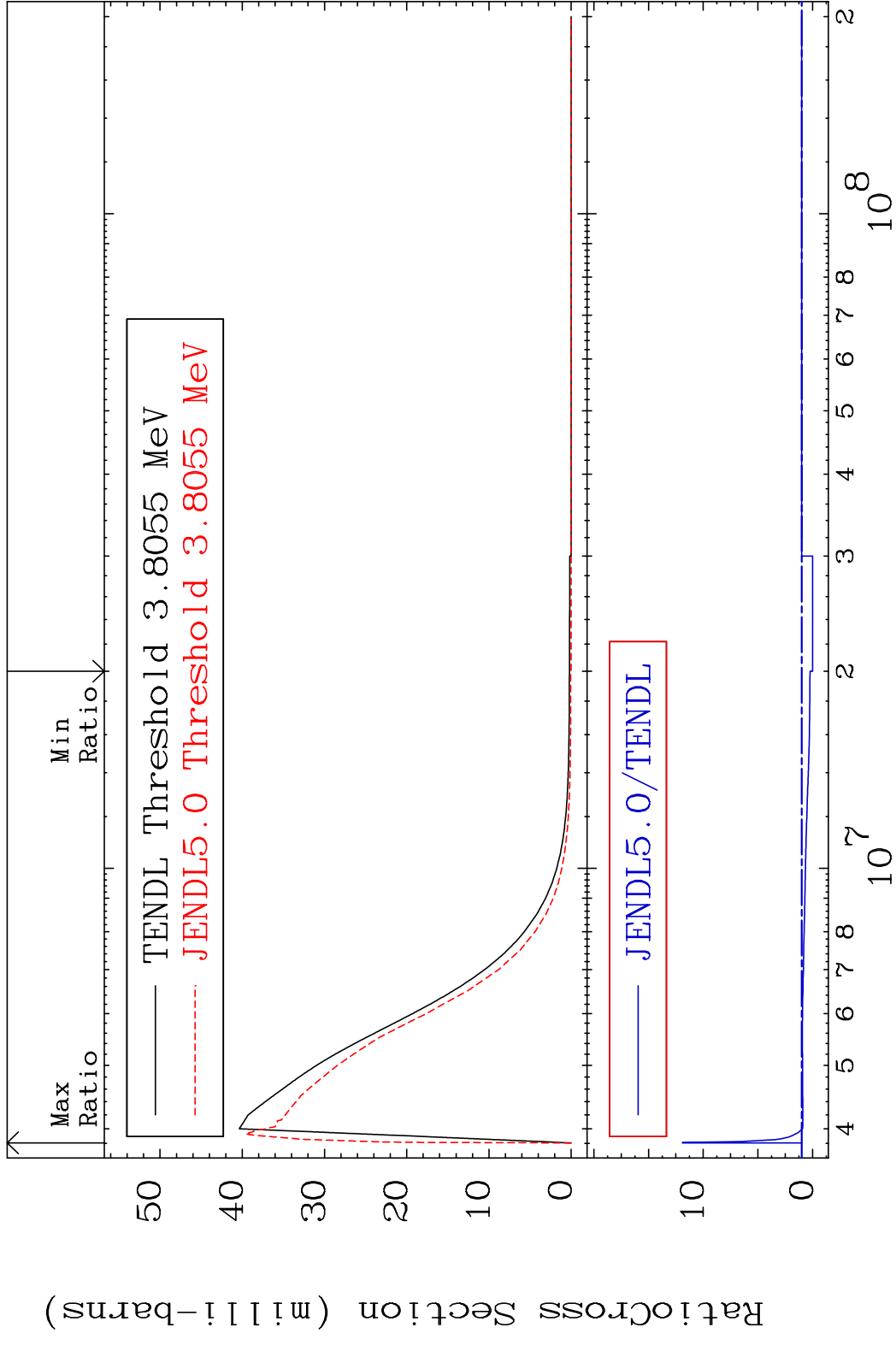
MAT 2225 MT= 68 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 2731. %



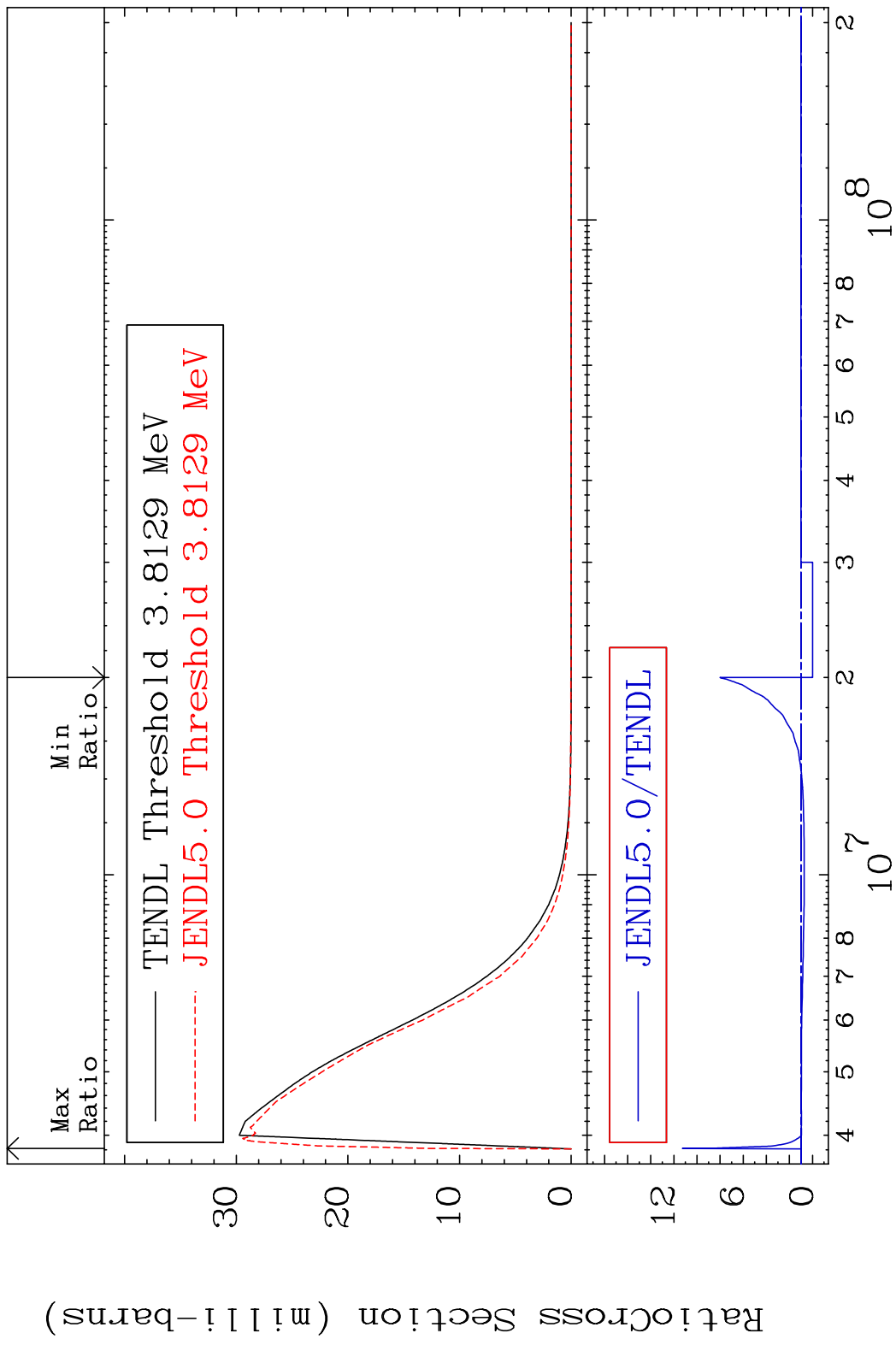
MAT 2225 MT= 69 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 13.65 %



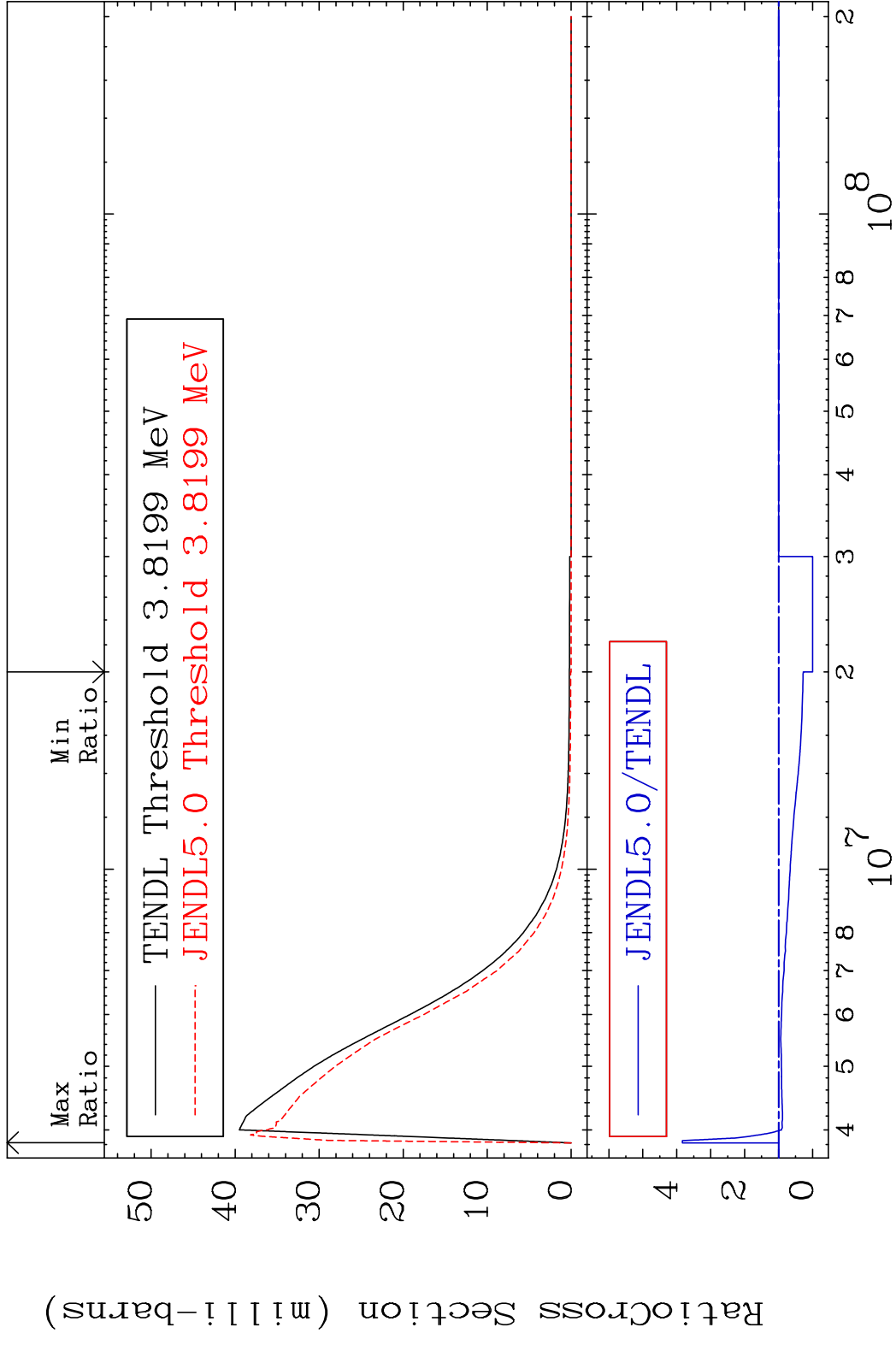
MAT 2225 MT= 70 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 1091. %



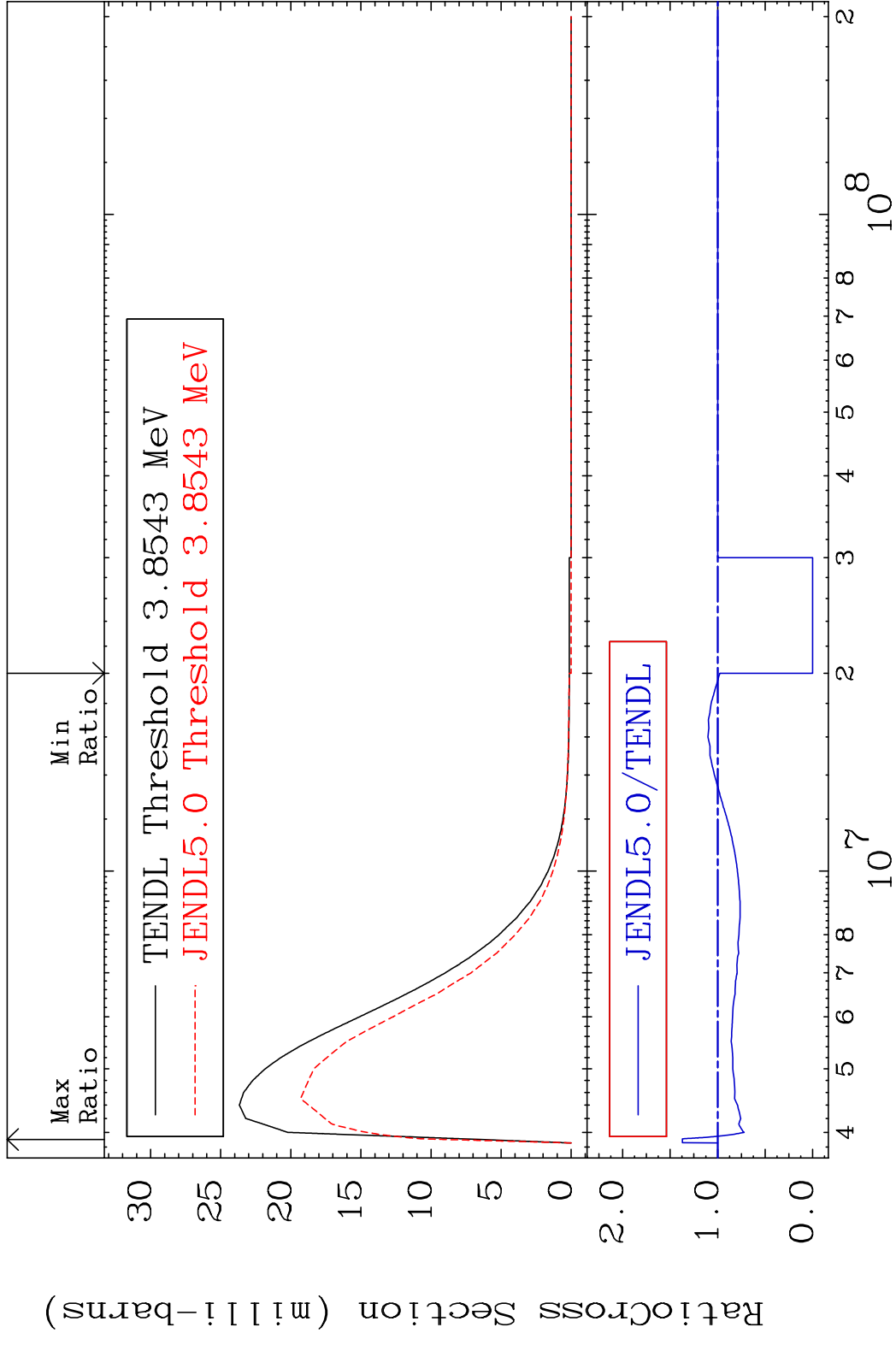
MAT 2225 MT= 71 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 1027. %



MAT 2225 MT= 72 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 283.5 %

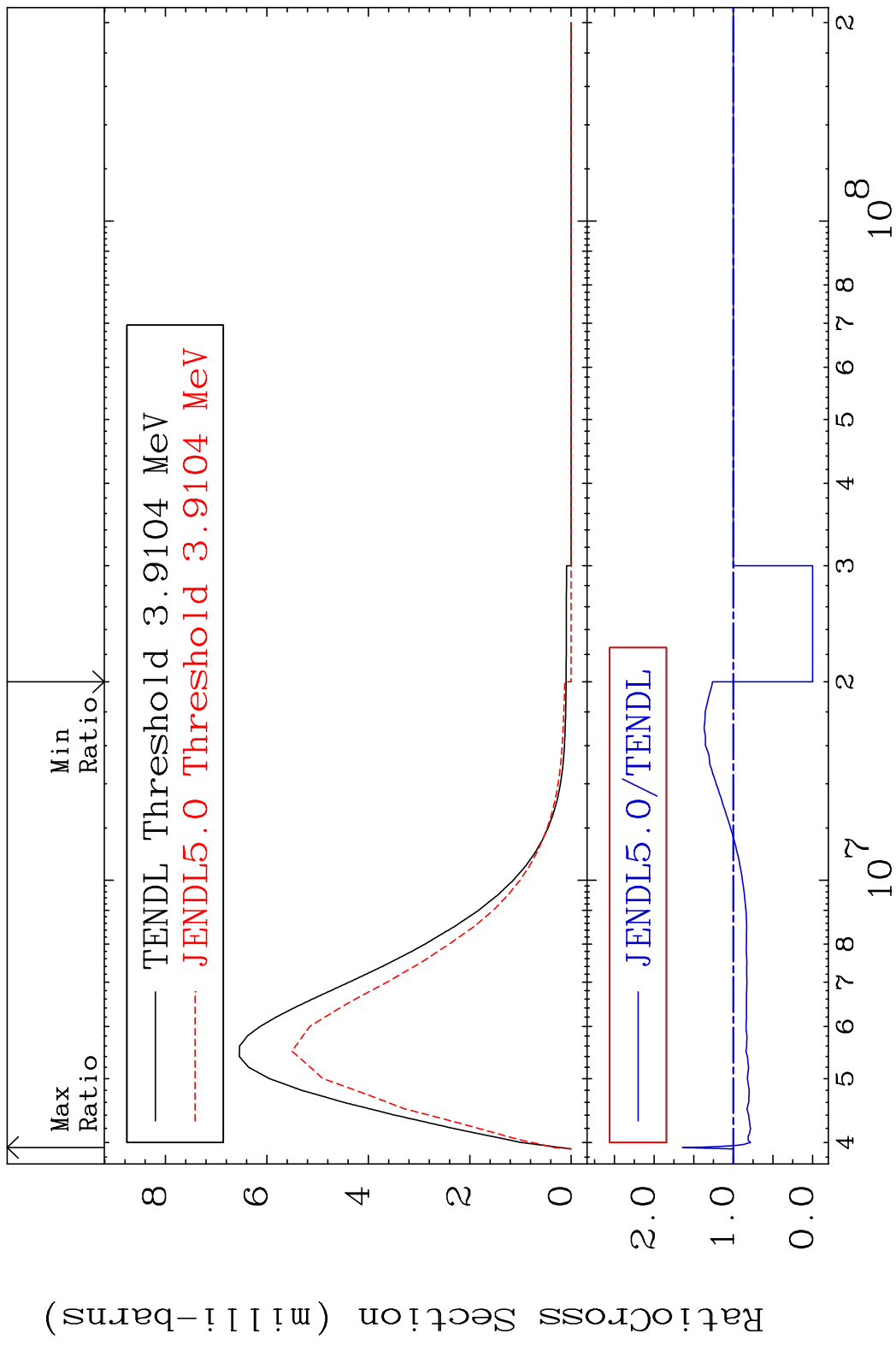


MAT 2225 MT= 73 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 37.17 %

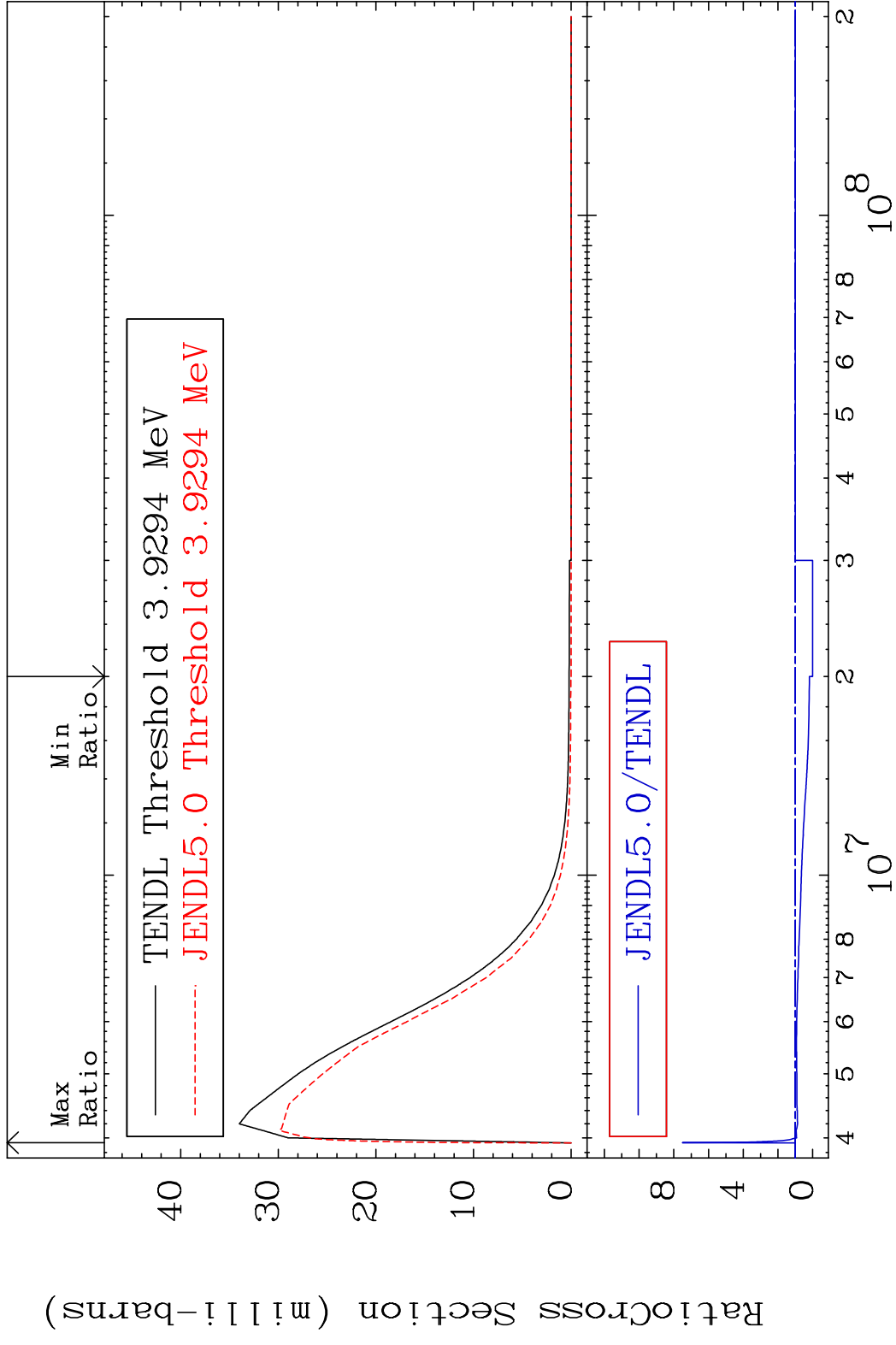


30 22-Ti-46

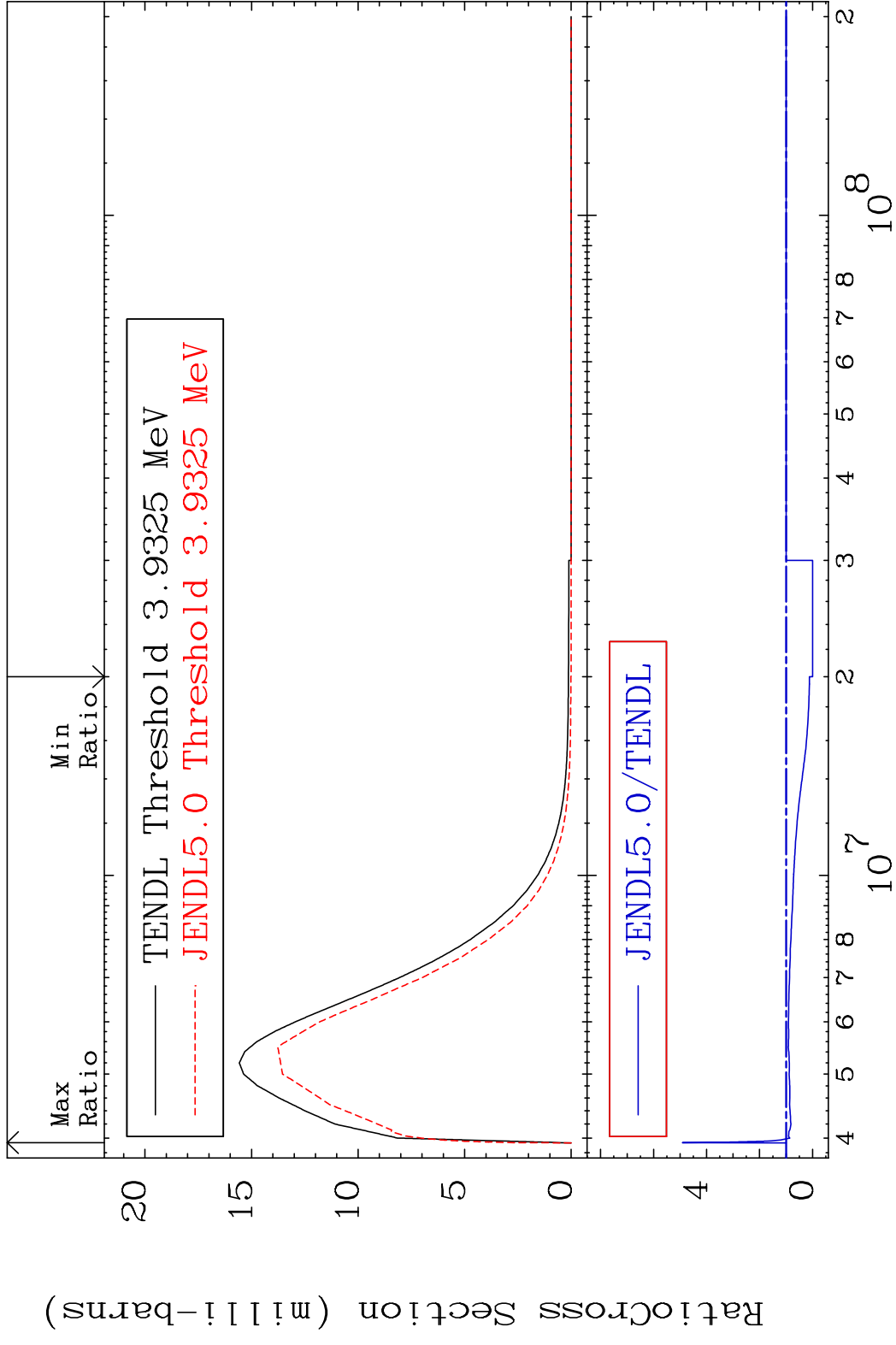
MAT 2225 MT= 74 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 64.29 %



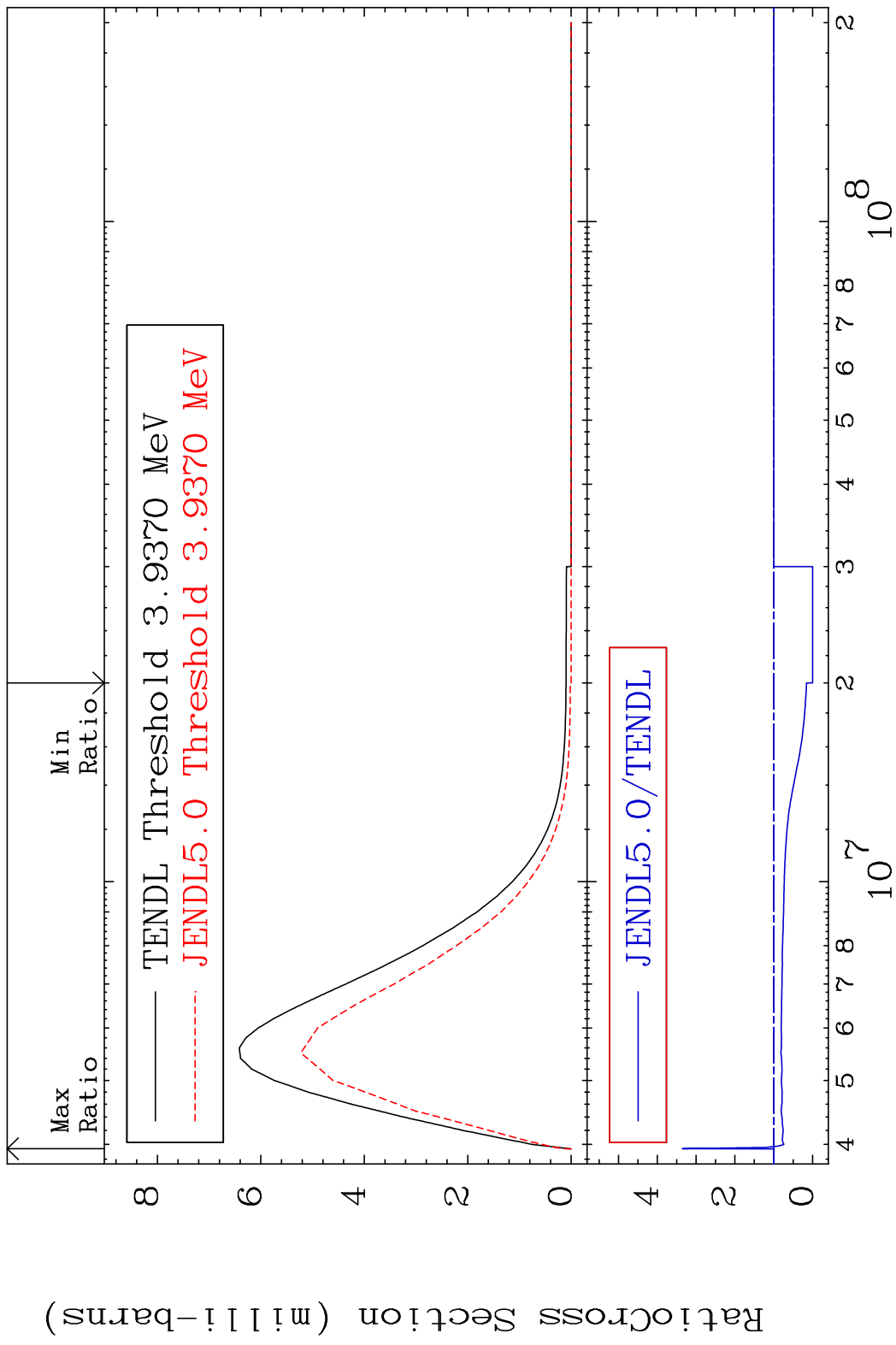
MAT 2225 MT= 75 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 650.8 %



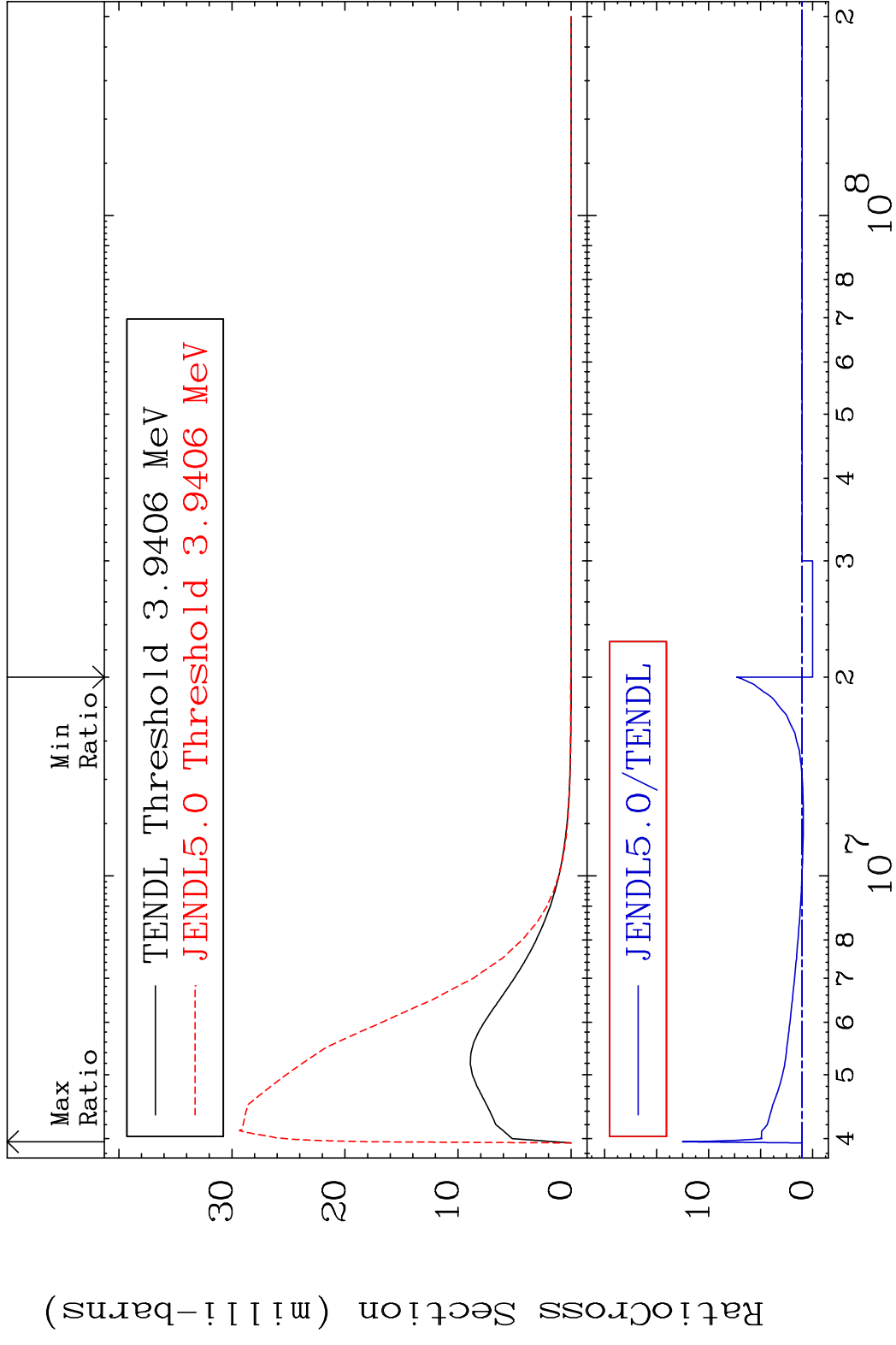
MAT 2225 MT= 76 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 391.4 %



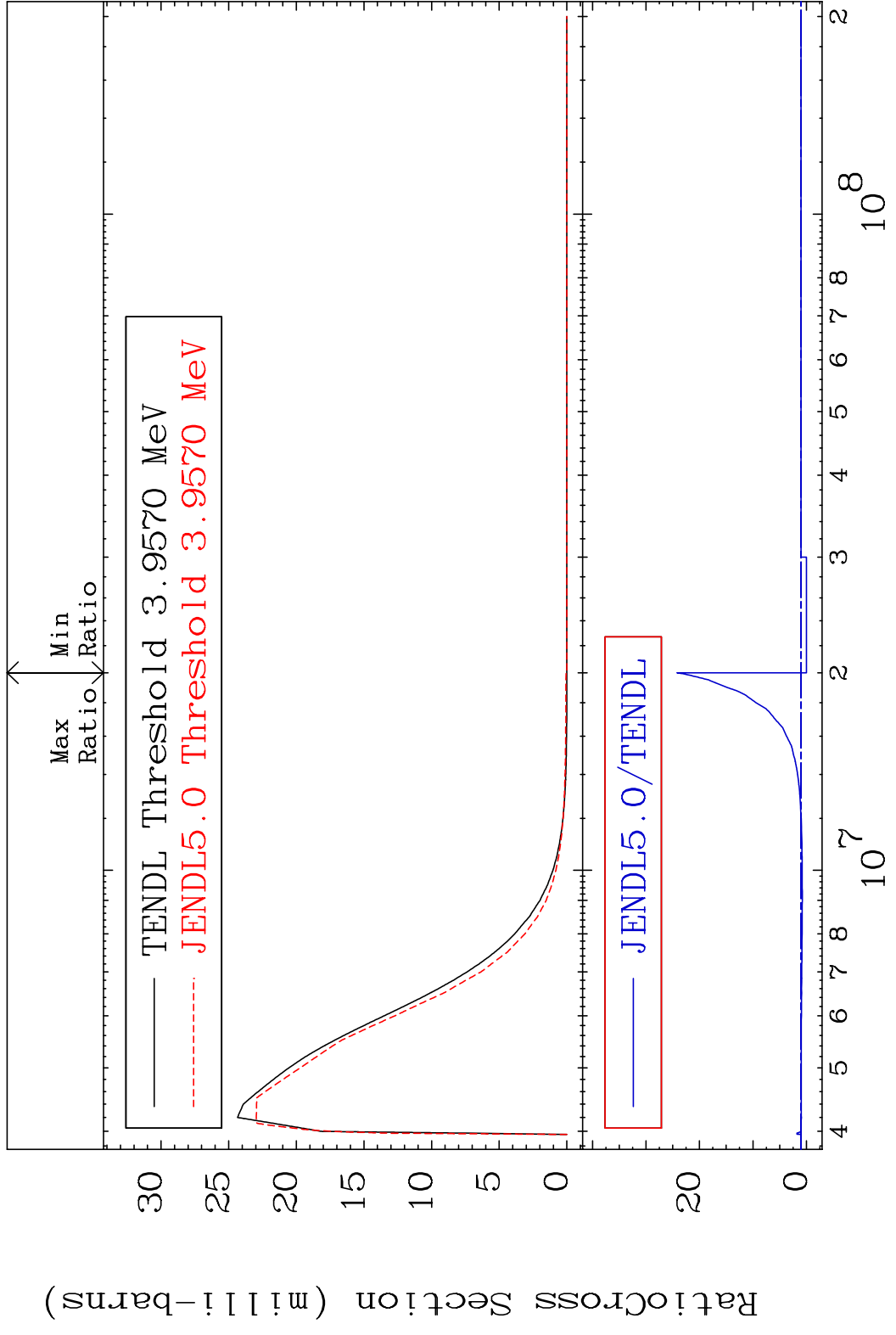
MAT 2225 MT= 77 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 235.4 %



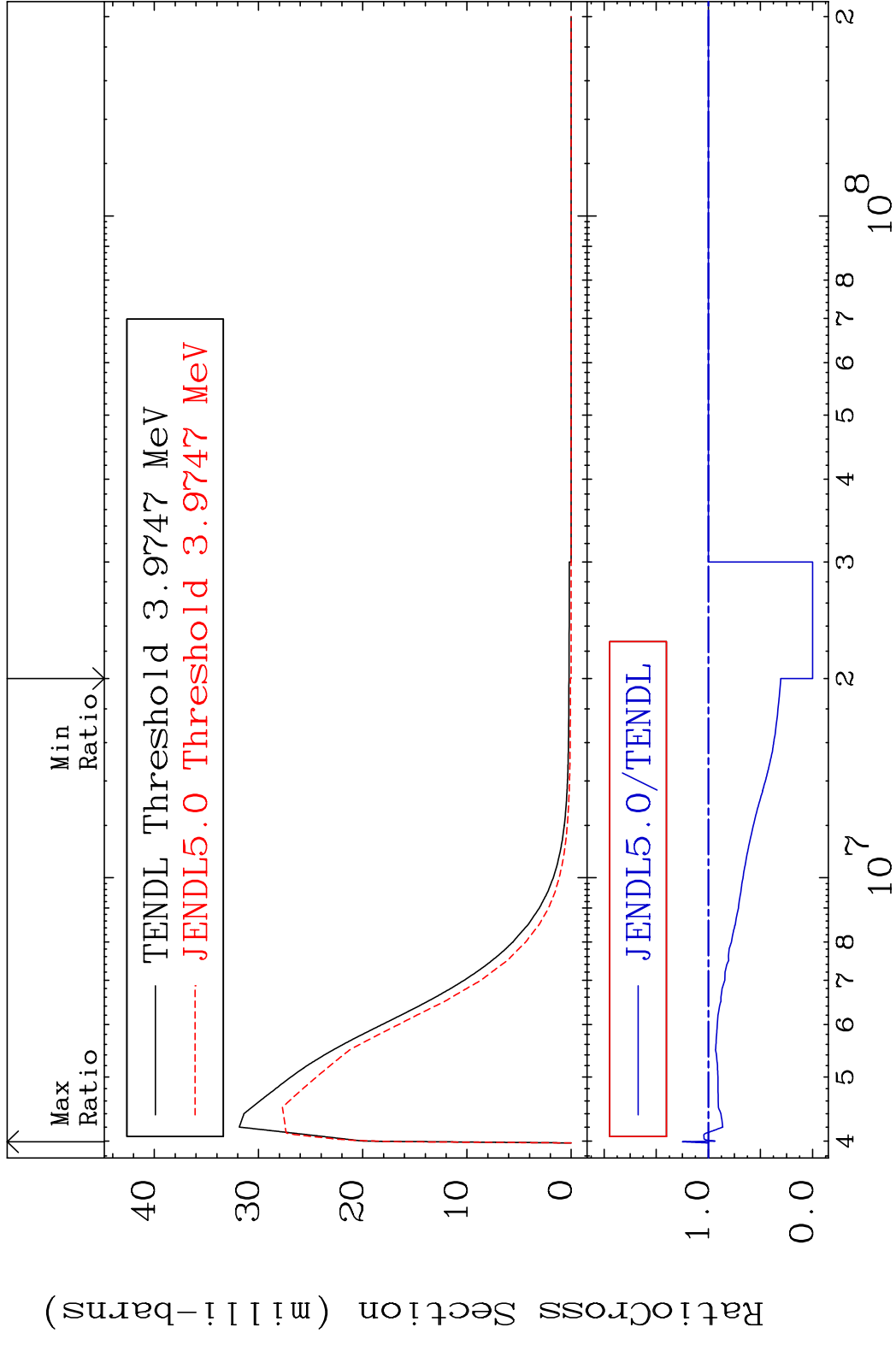
MAT 2225 MT= 78 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 1152. %



MAT 2225 MT= 79 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 2317. %



MAT 2225 MT= 80 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 24.96 %

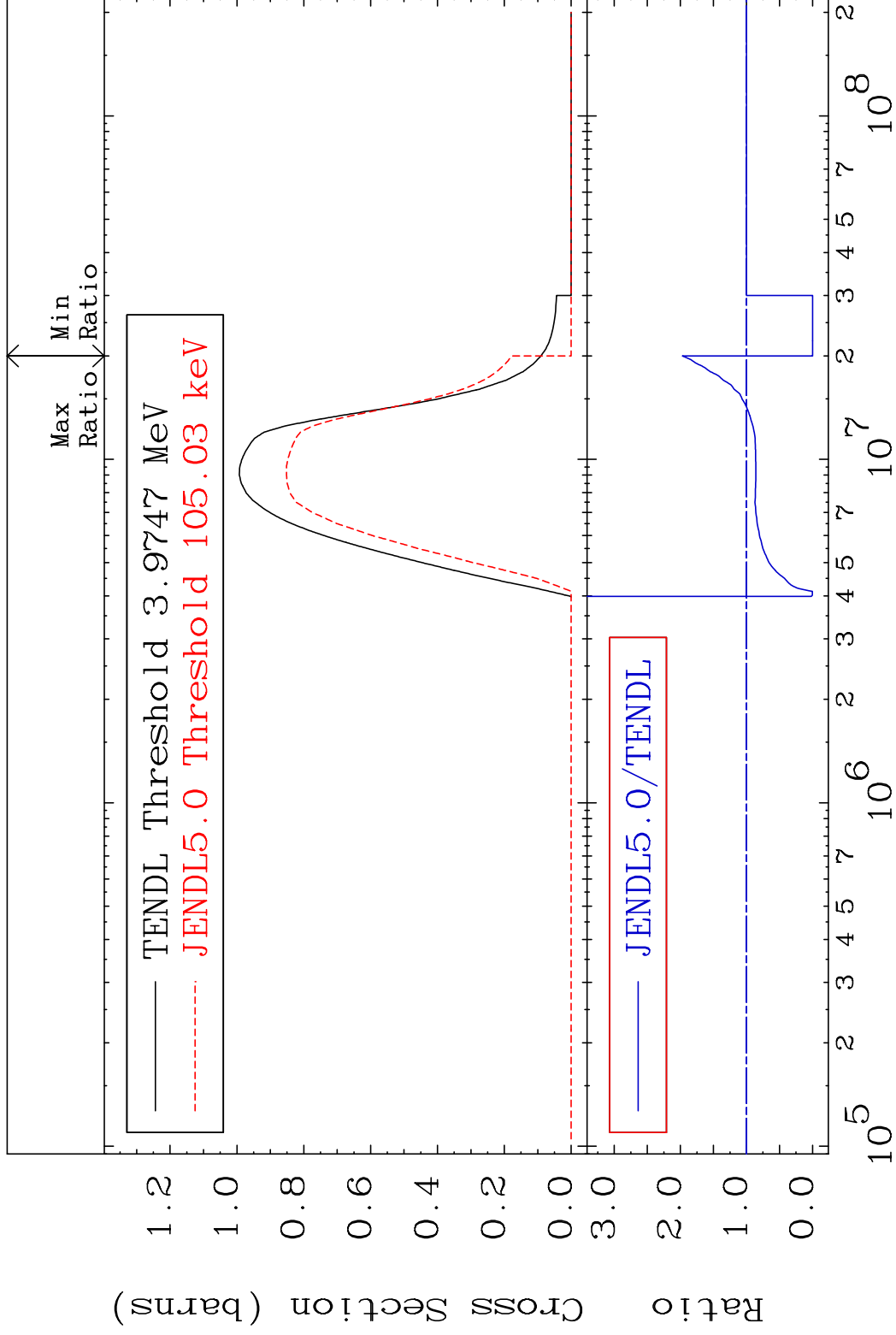


MAT 2225

(n, n') Continuum

²²Ti-46

Cross Section -100.0 To 97.01 %



38

Incident Energy (eV)

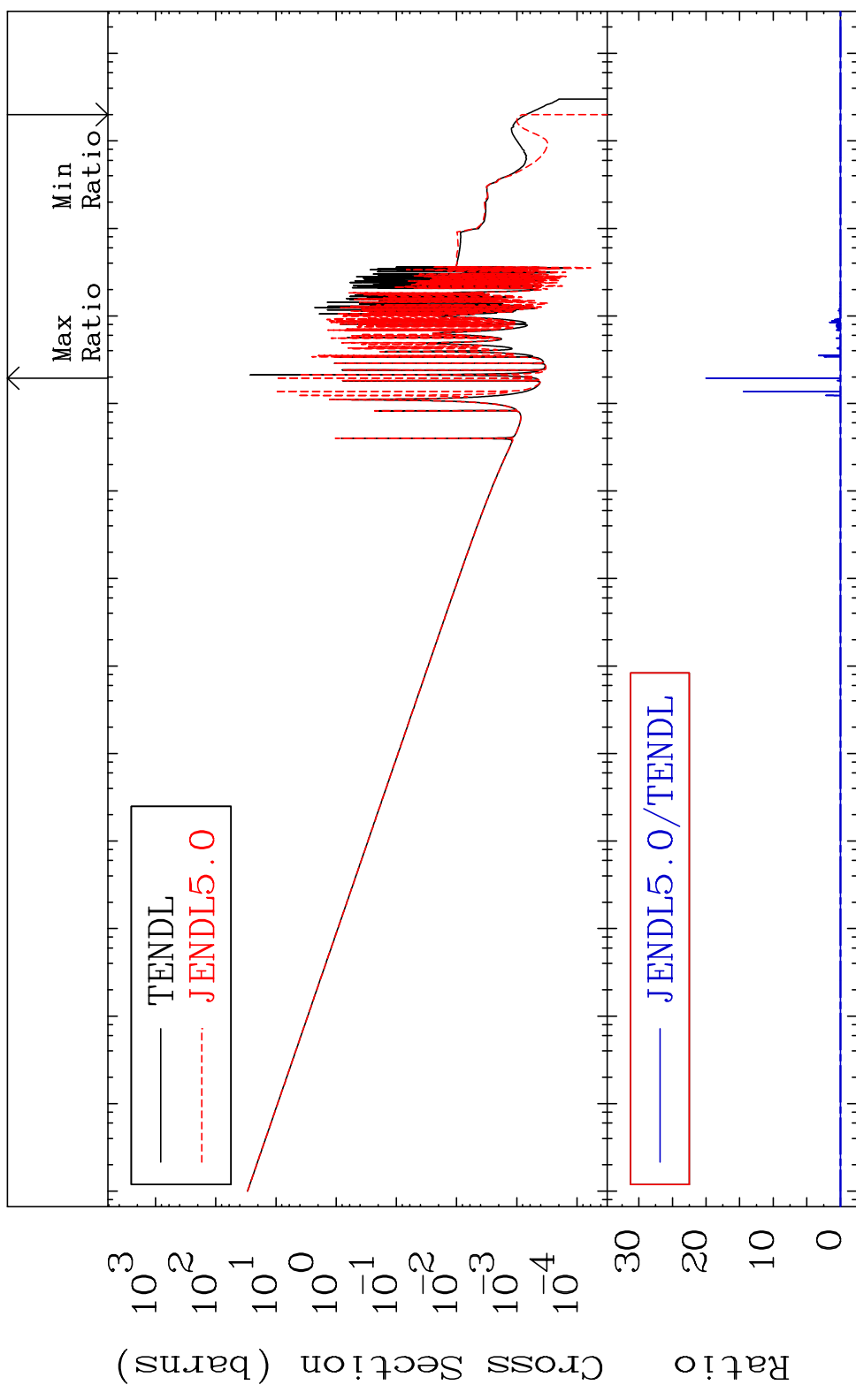
²²Ti-46

MAT 2225

(n, γ)

22-Ti-46

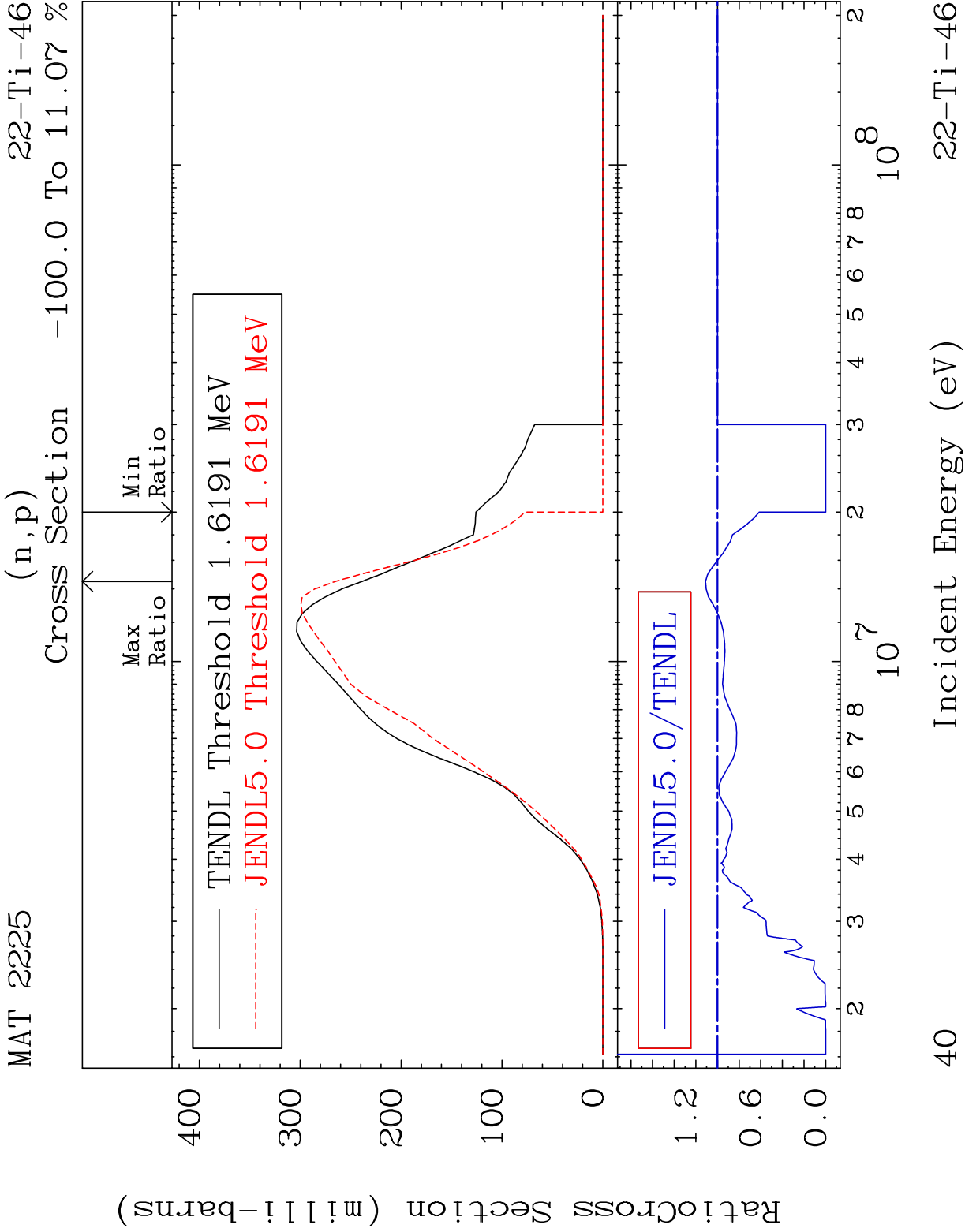
Cross Section -100.0 To 9999. %



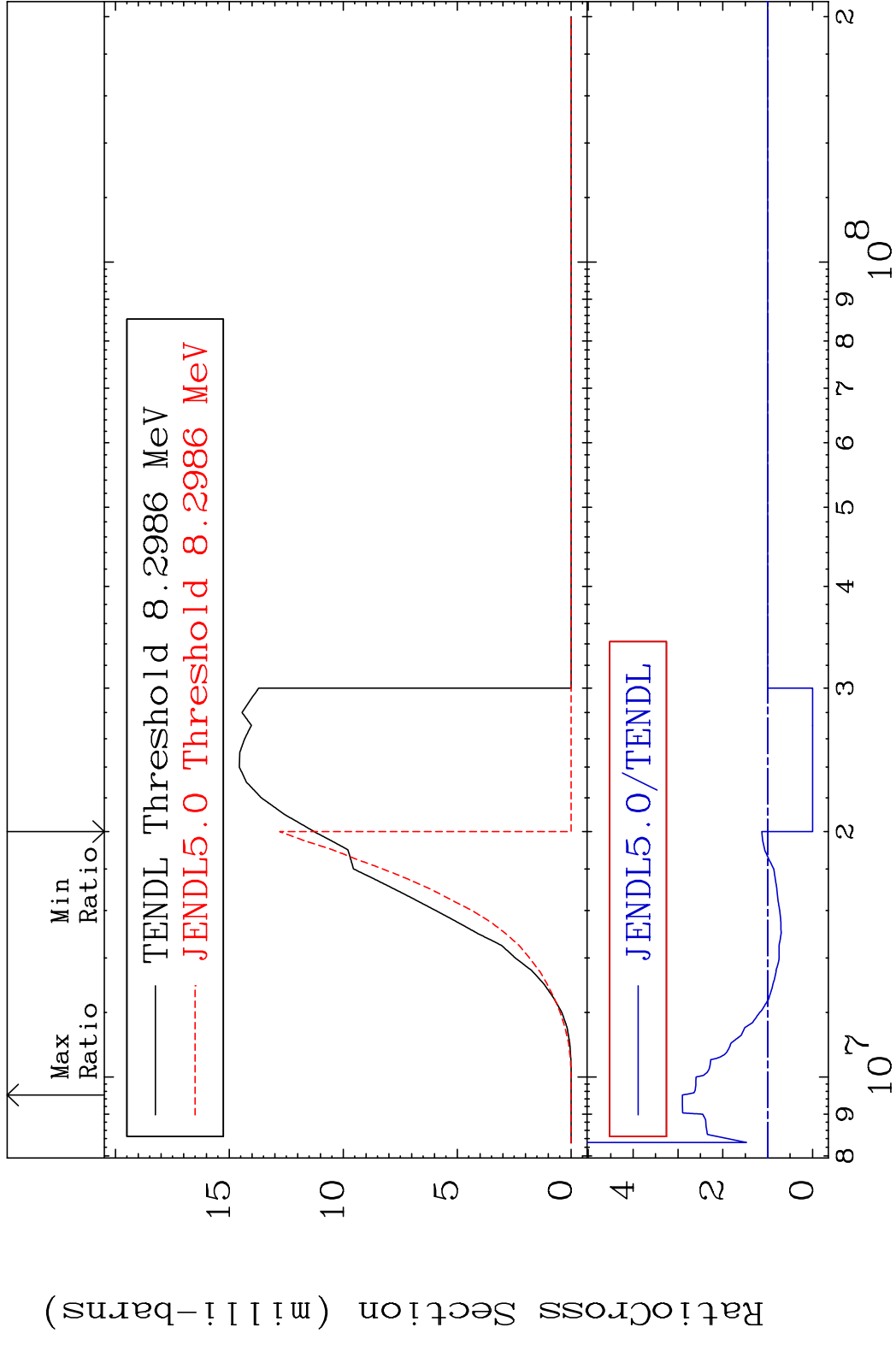
39

Incident Energy (eV)

22-Ti-46



MAT 2225 (n,d) 22-Ti-46
 Cross Section -100.0 To 190.3 %



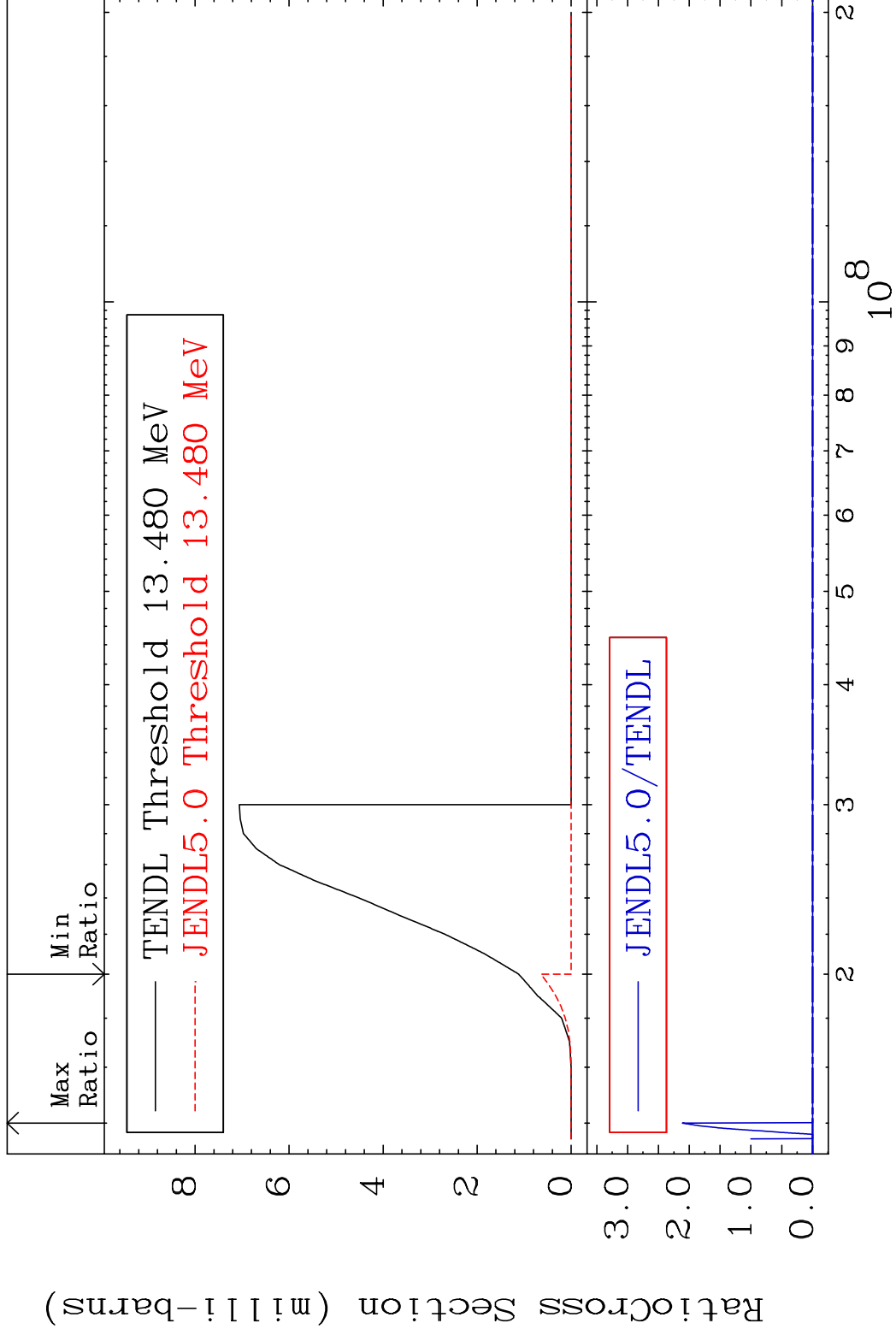
41 22-Ti-46

MAT 2225

(n, t)

22-Ti-46

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

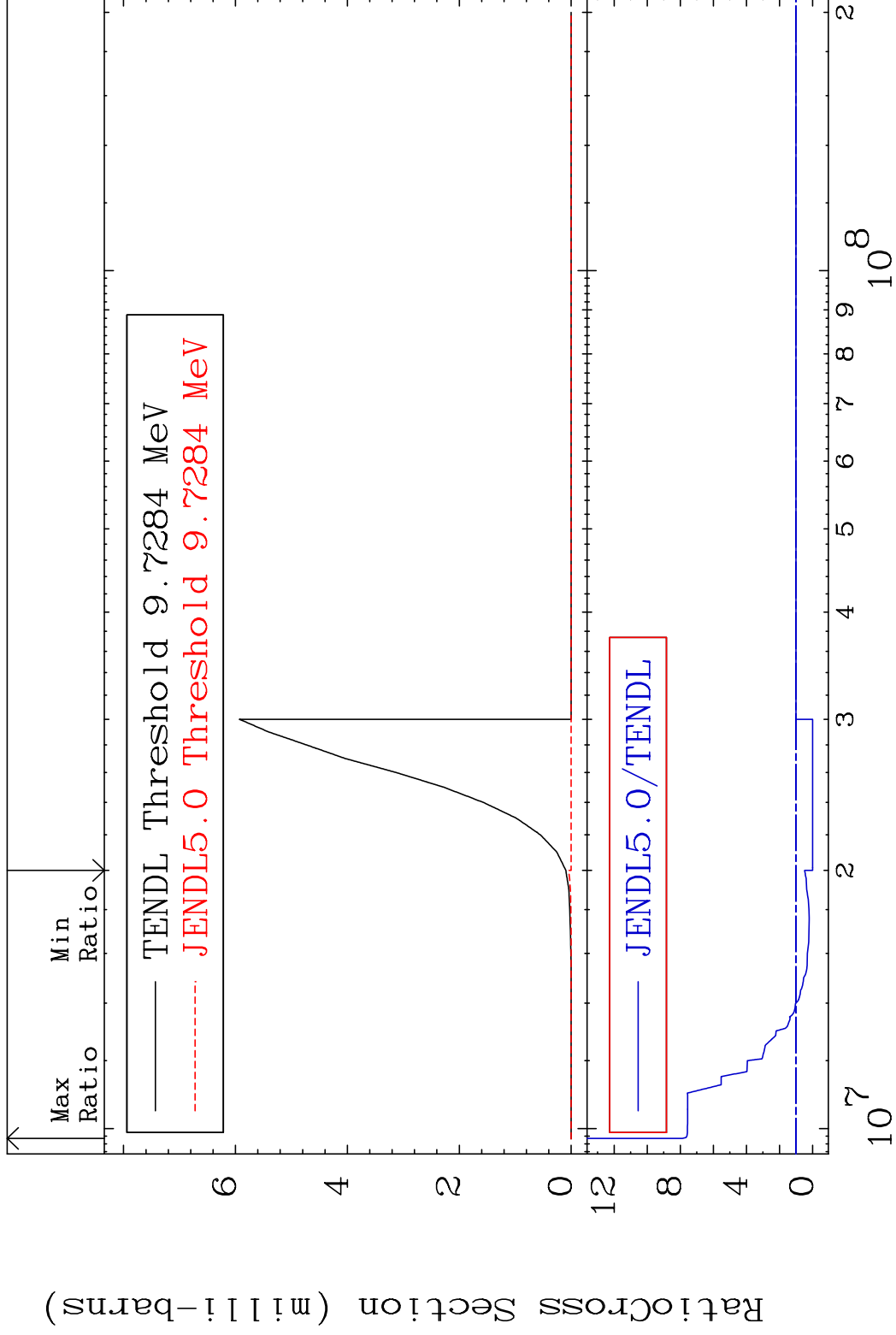
22-Ti-46

MAT 2225

(n, He-3)

²²Ti-46

Cross Section -100.0 To 687.6 %

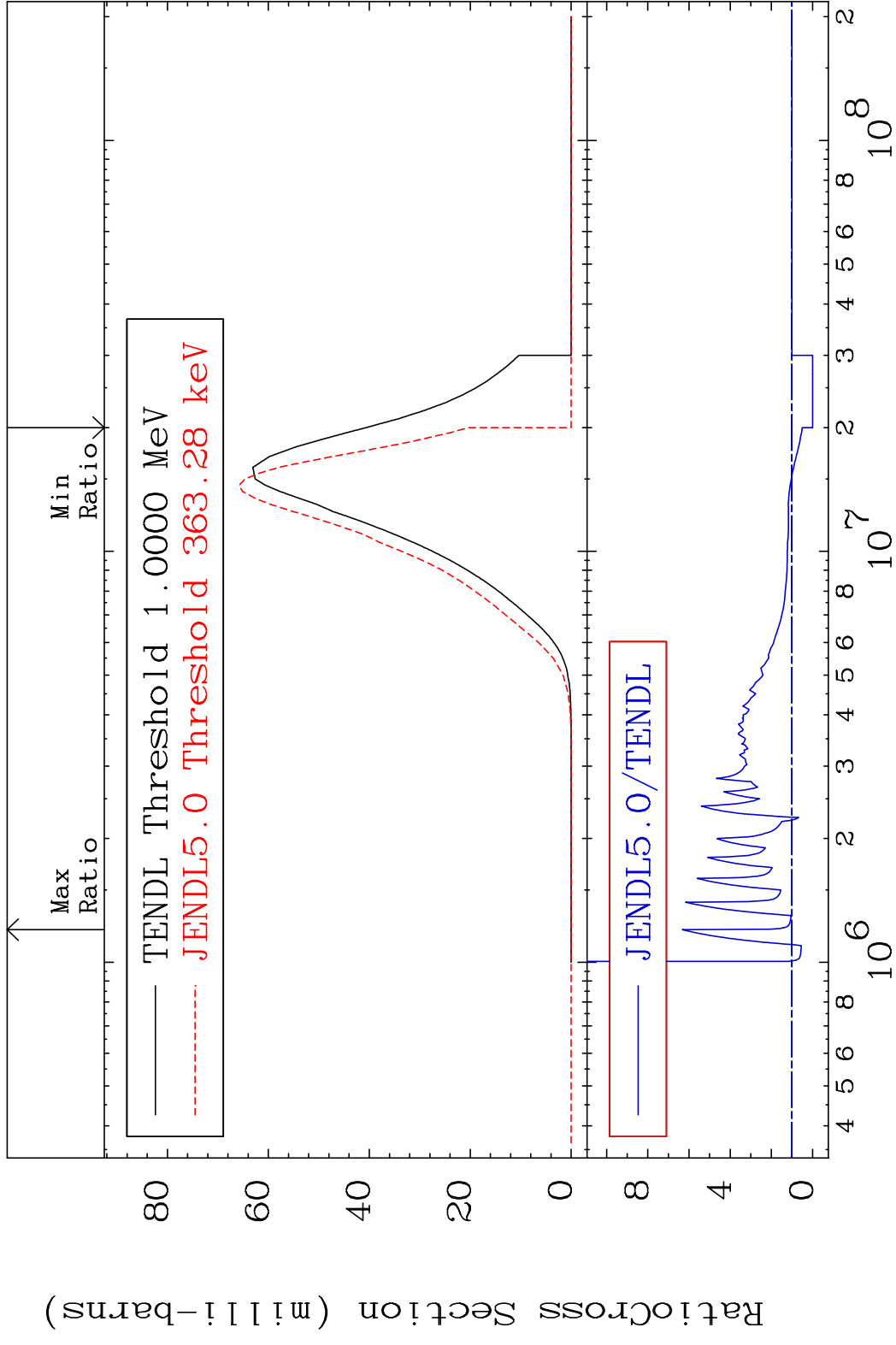


43

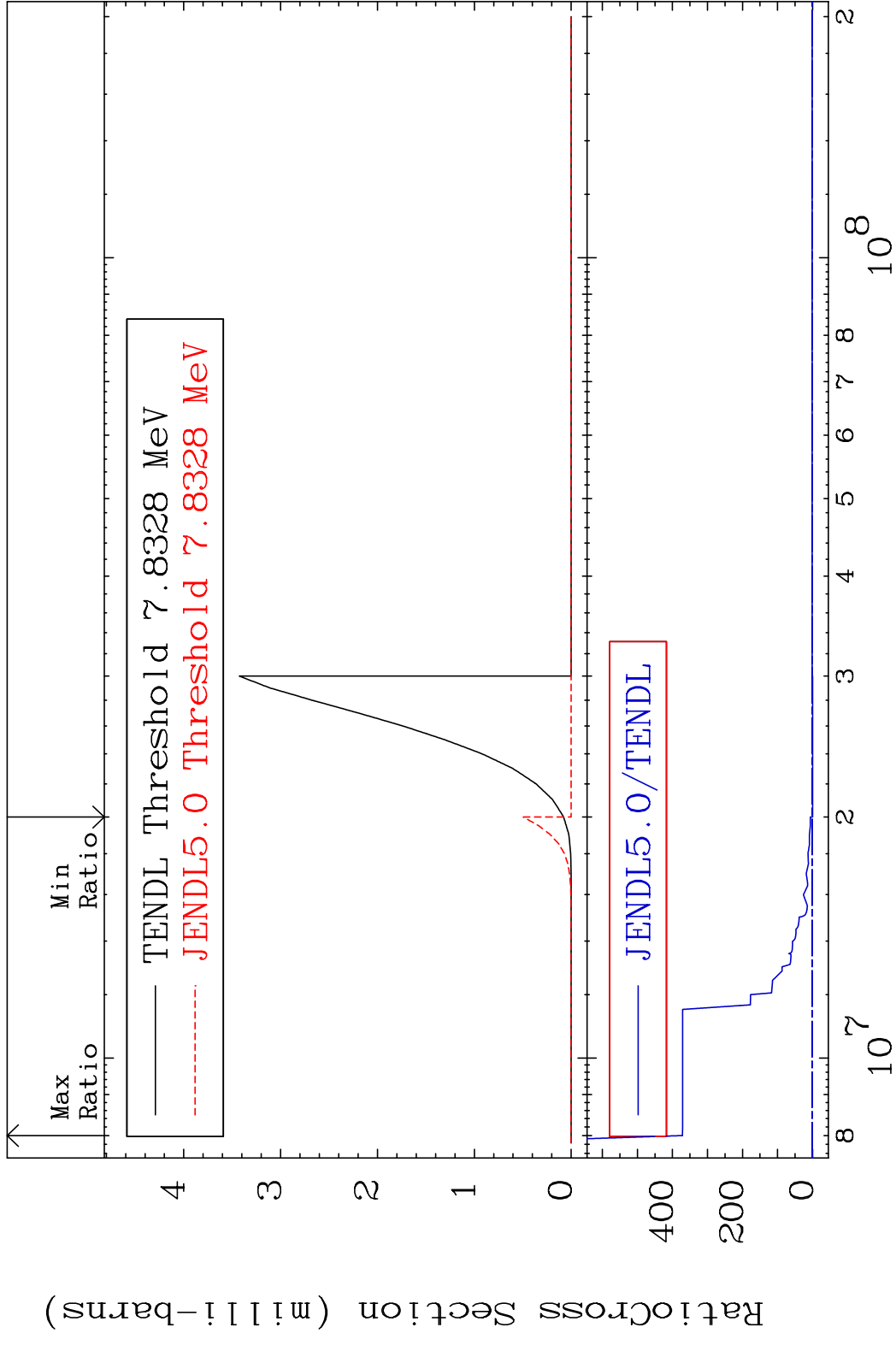
Incident Energy (eV)

²²Ti-46

MAT 2225 (n, α) 22-Ti-46
 Cross Section -100.0 To 532.3 %

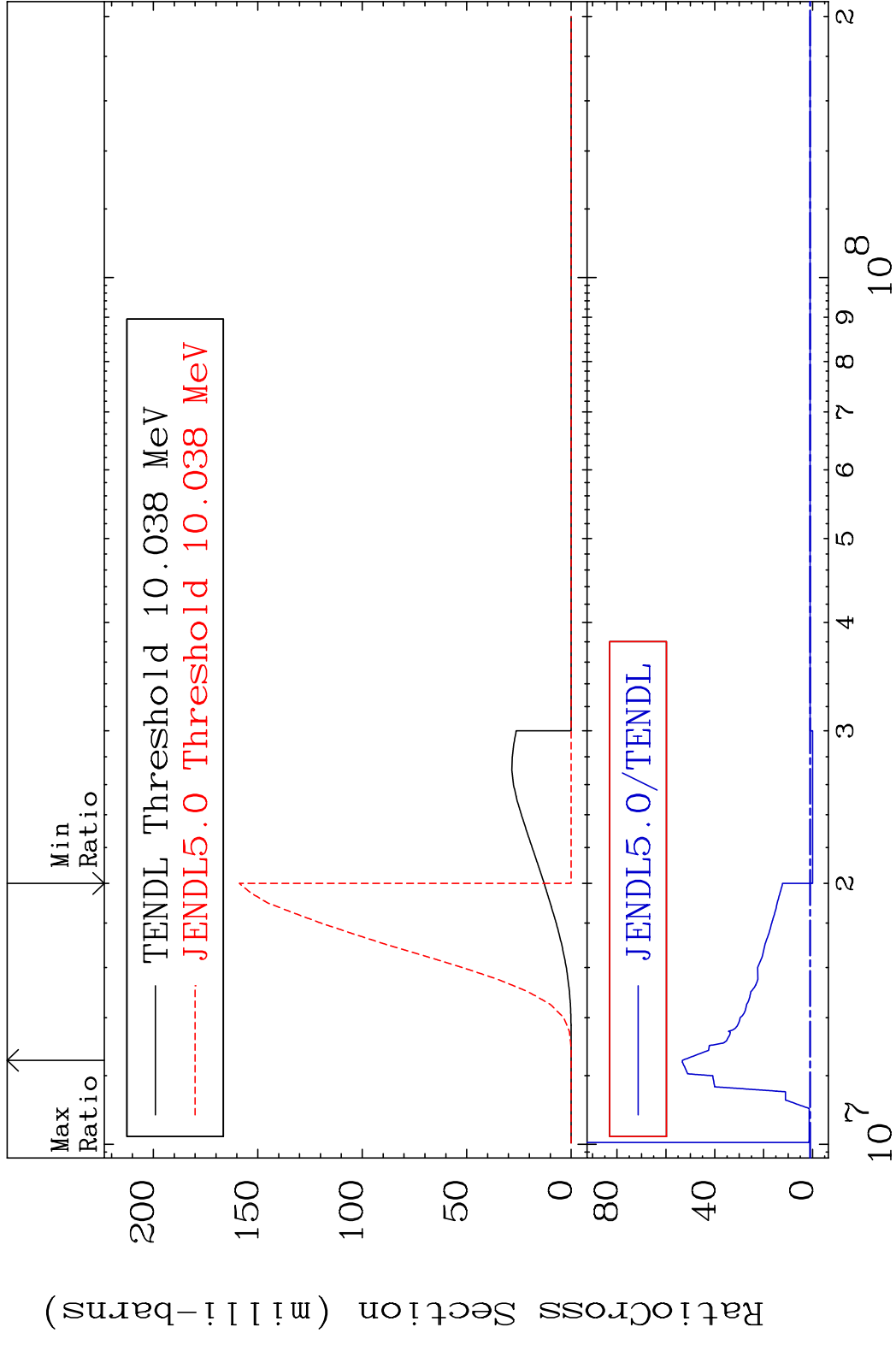


MAT 2225 (n,2α) 22-Ti-46
 Cross Section -100.0 To 9999. %



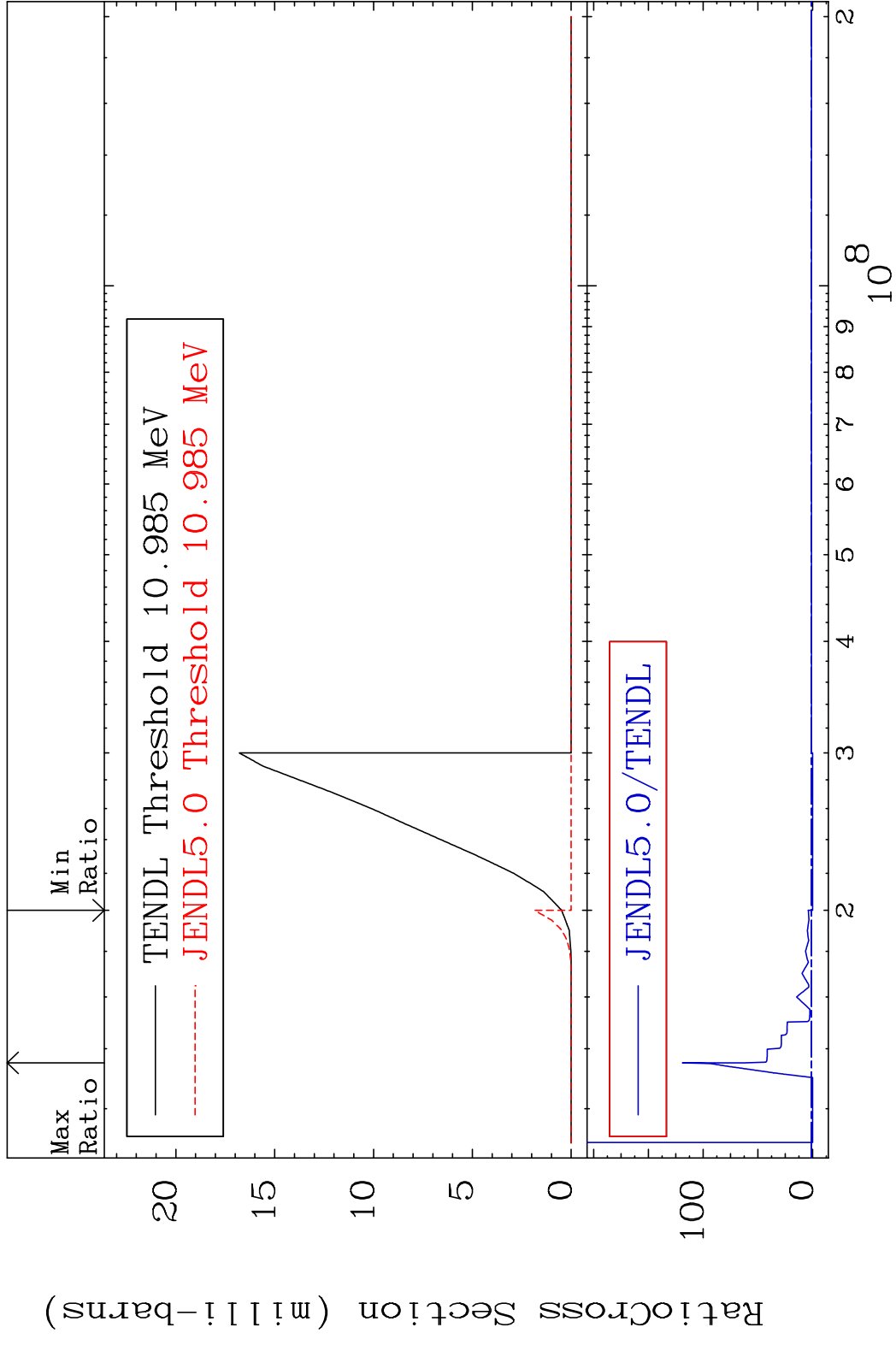
45 22-Ti-46

MAT 2225 (n,2p) 22-Ti-46
 Cross Section -100.0 To 5227. %



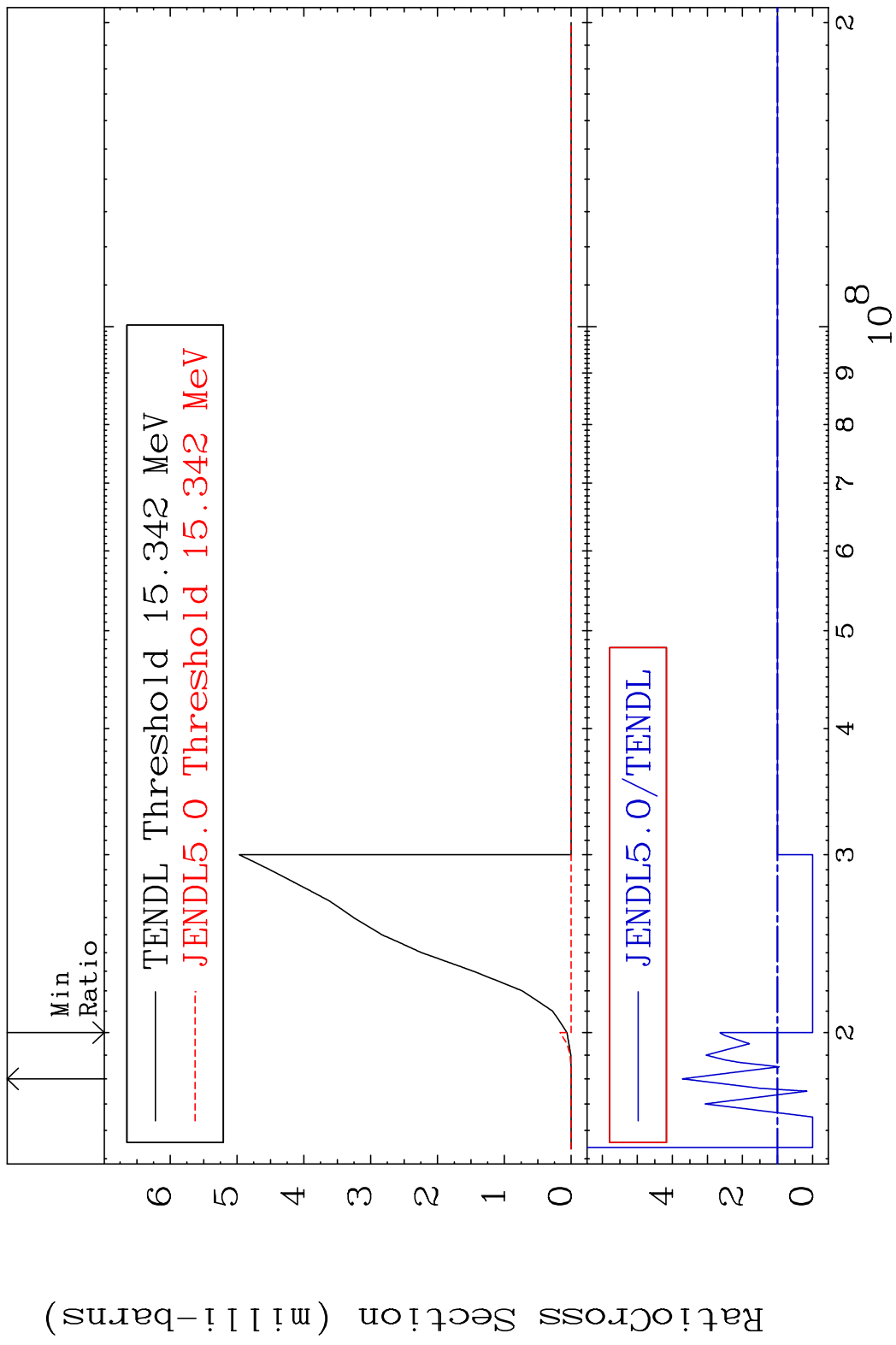
46 22-Ti-46

MAT 2225 (n,p) α $^{22}\text{Ti-46}$
 Cross Section -100.0 To 9999. %

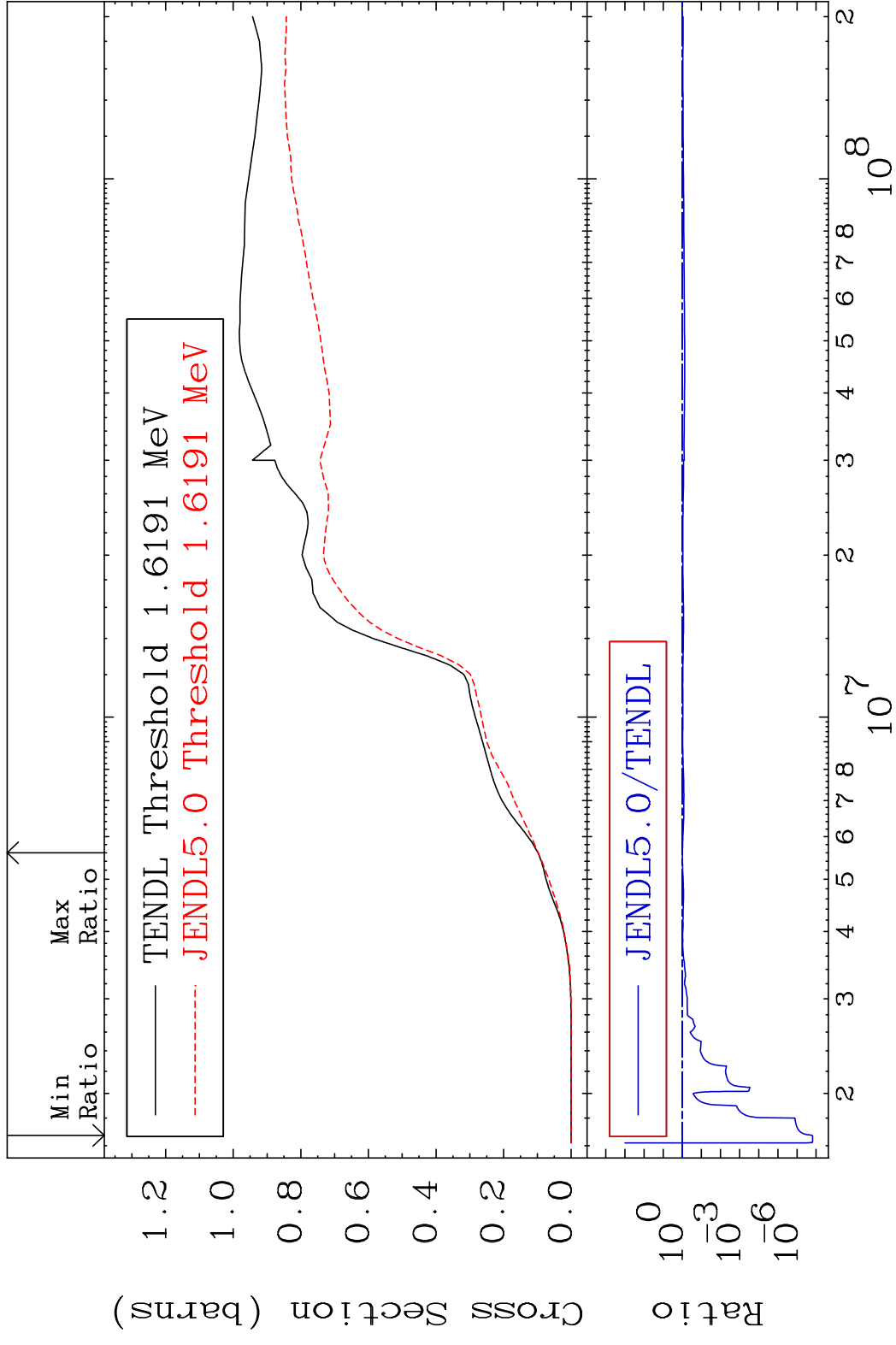


47 Incident Energy (eV) $^{22}\text{Ti-46}$

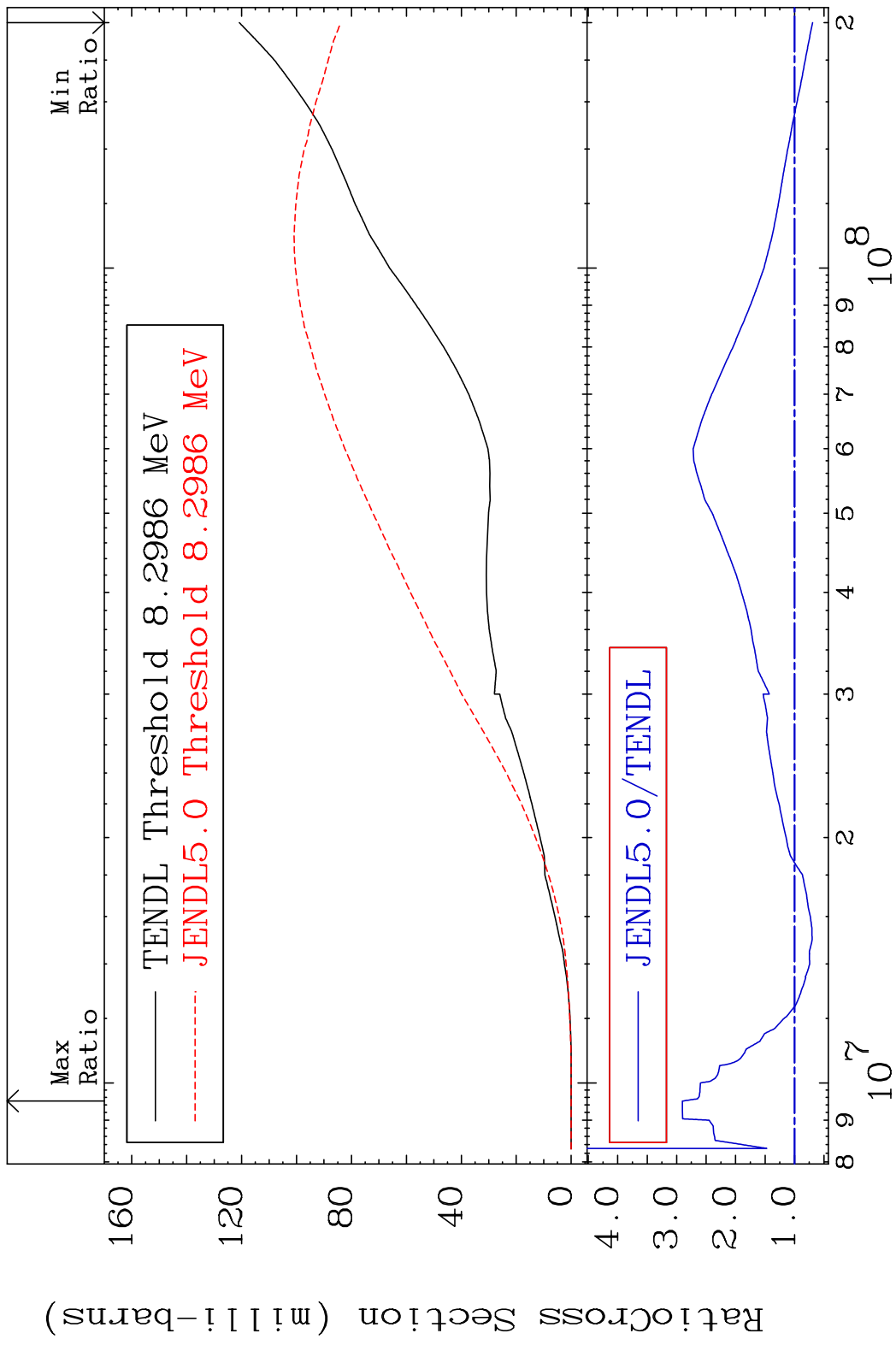
MAT 2225 (n,p) d ²²Ti-46
 Cross Section -100.0 To 271.5 %



MAT 2225 Hydrogen Production 22-Ti-46
 Cross Section -100.0 To -1.150%

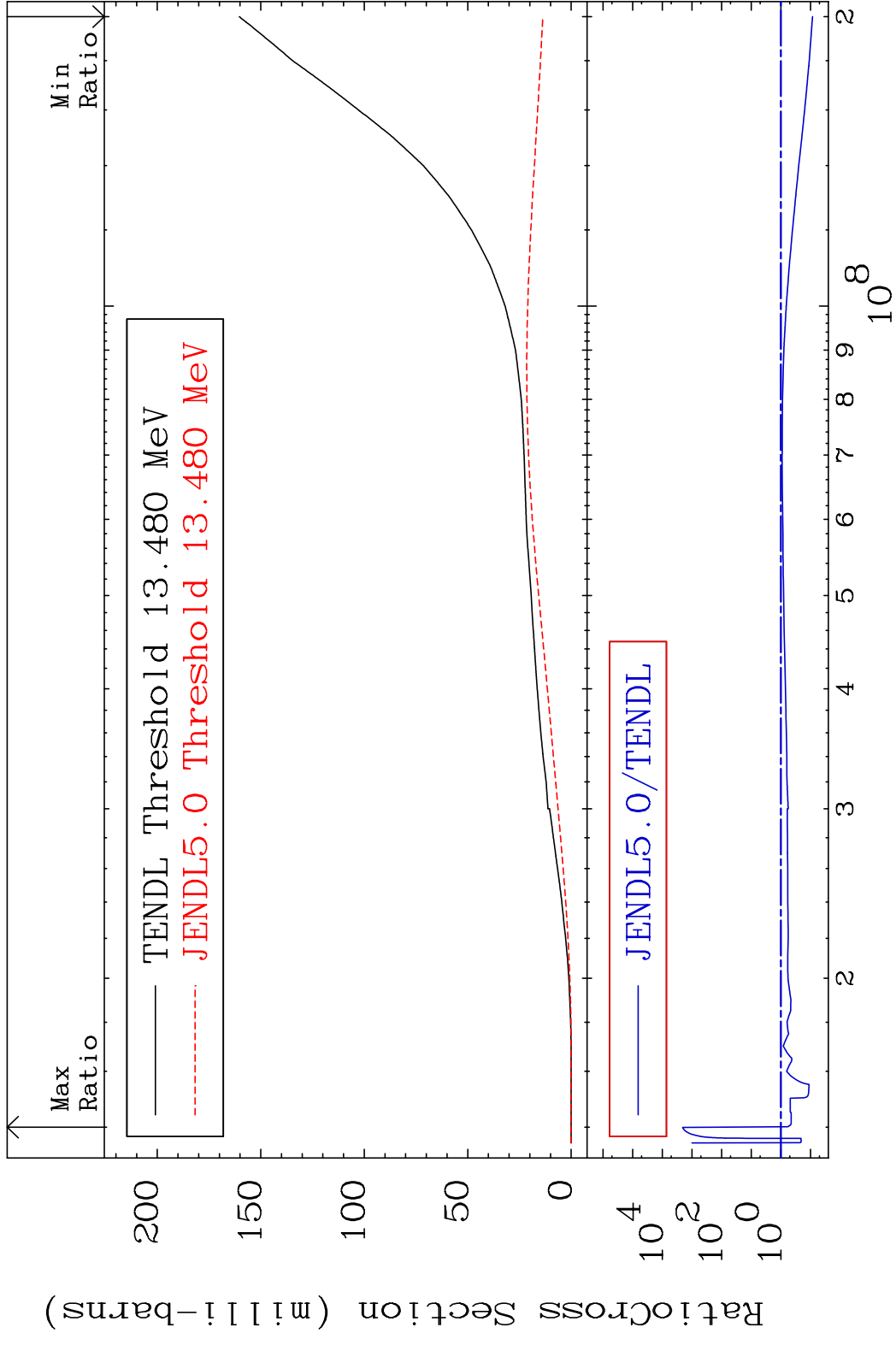


MAT 2225 Deuterium Production $^{22}\text{Ti-46}$
 Cross Section -30.57 To 190.3 %



50 $^{22}\text{Ti-46}$

MAT 2225 Tritium Production 22-Ti-46
 Cross Section -91.48 To 9999. %

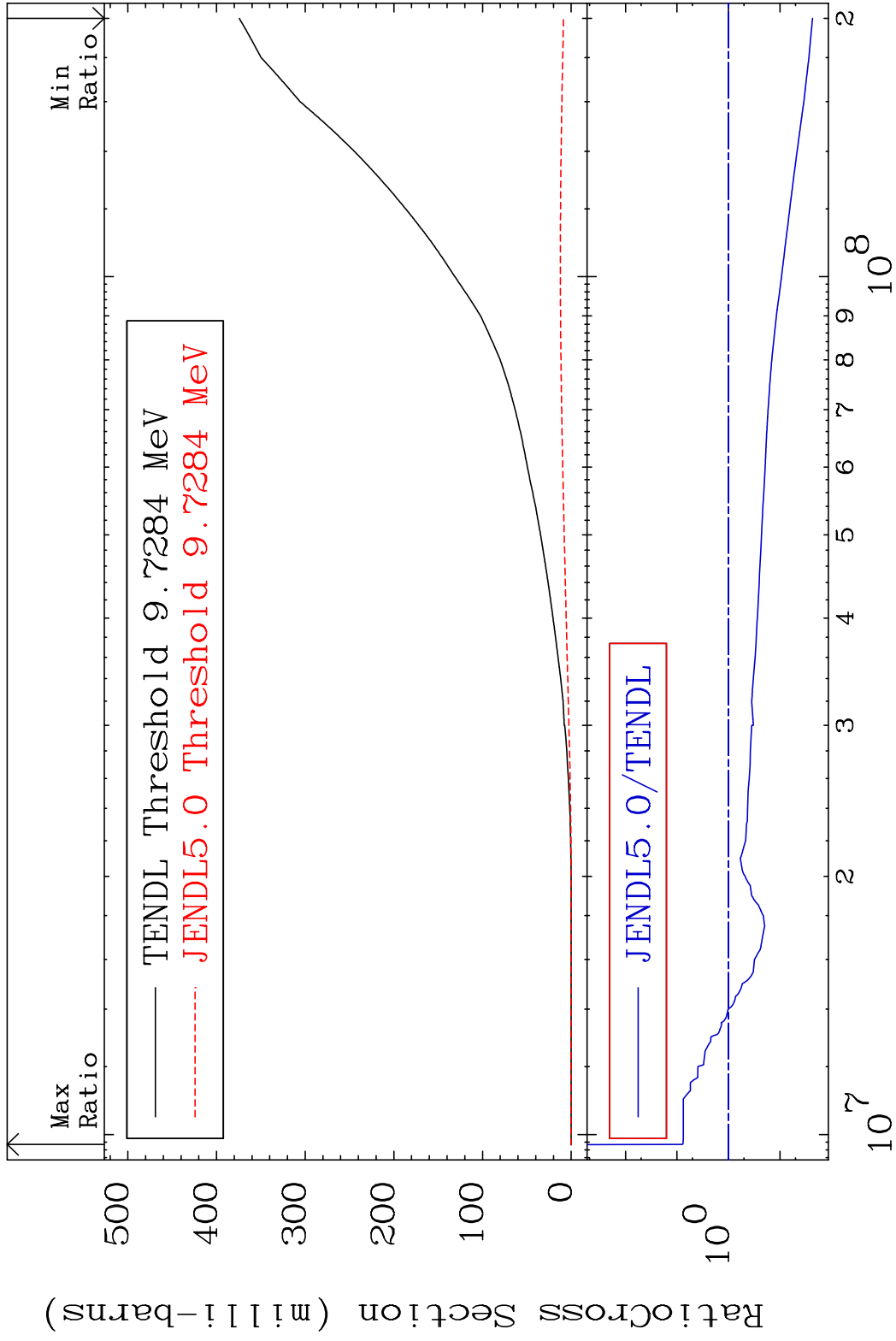


MAT 2225

He-3 Production

22-Ti-46

Cross Section -97.68 To 687.6 %



52

Incident Energy (eV)

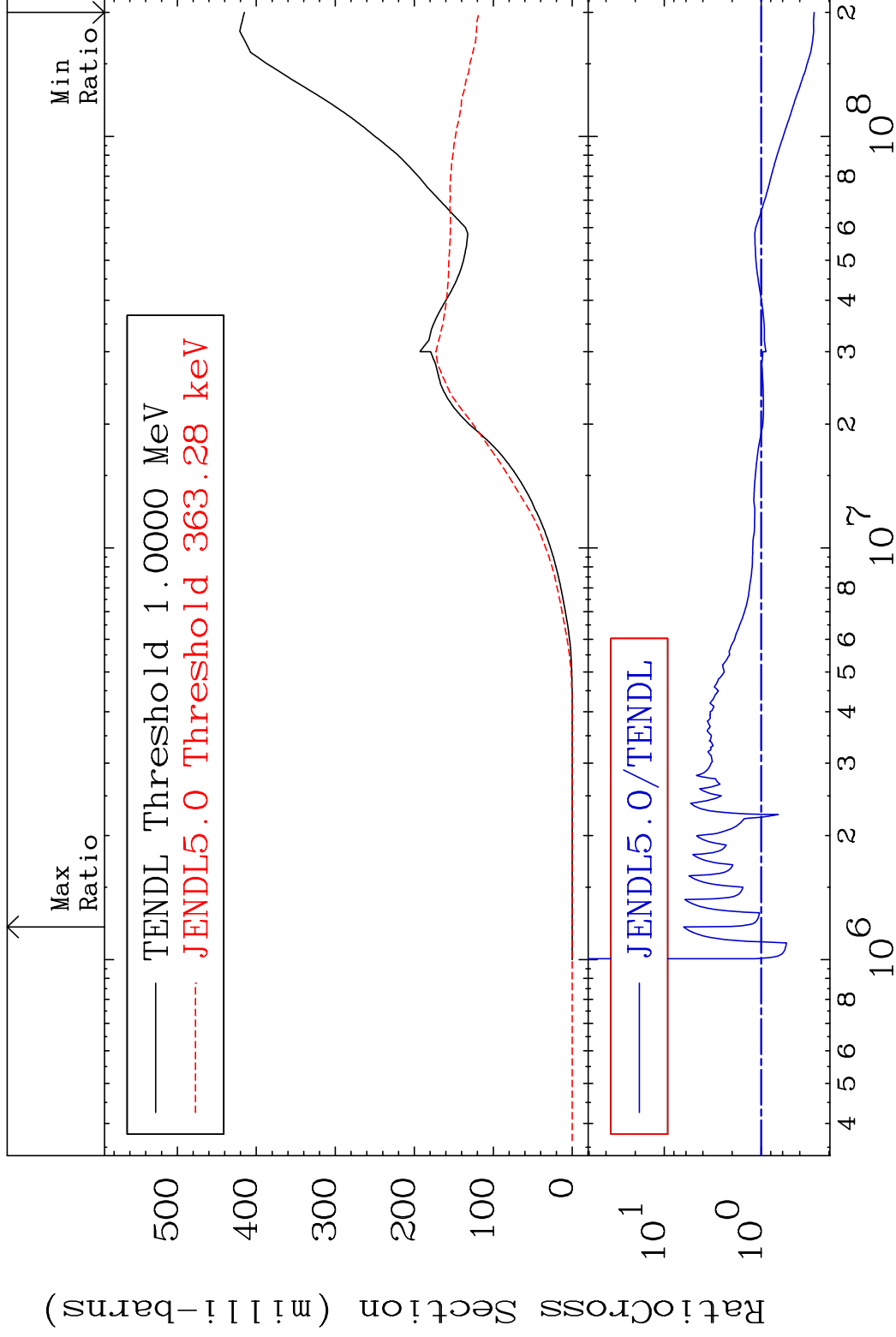
22-Ti-46

MAT 2225

He-4 Production

22-Ti-46

Cross Section -71.54 To 532.3 %

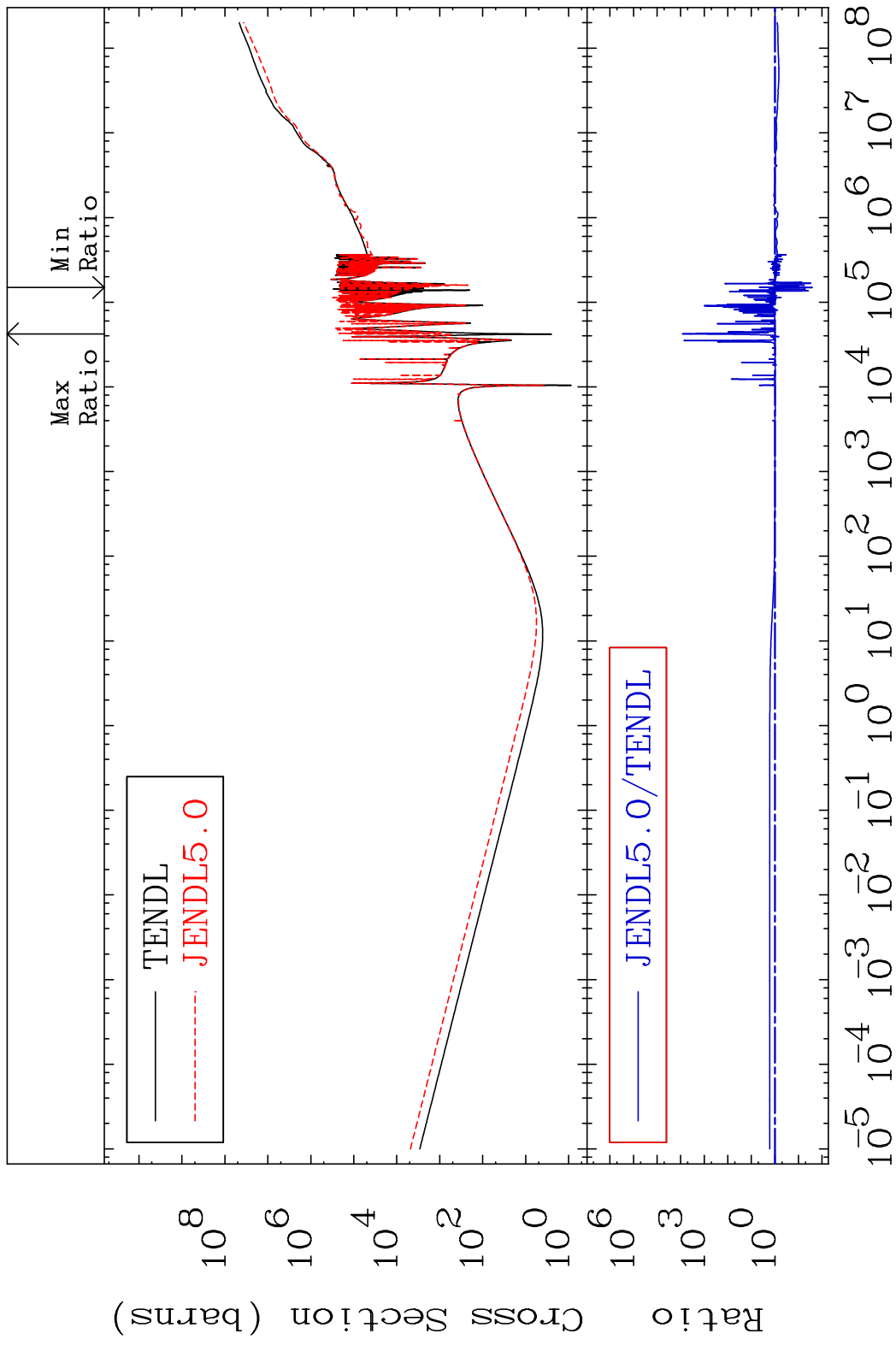


53

Incident Energy (eV)

22-Ti-46

MAT 2225 Kerma total (eV-barns) 22-Ti-46
 Cross Section -97.48 To 9999. %



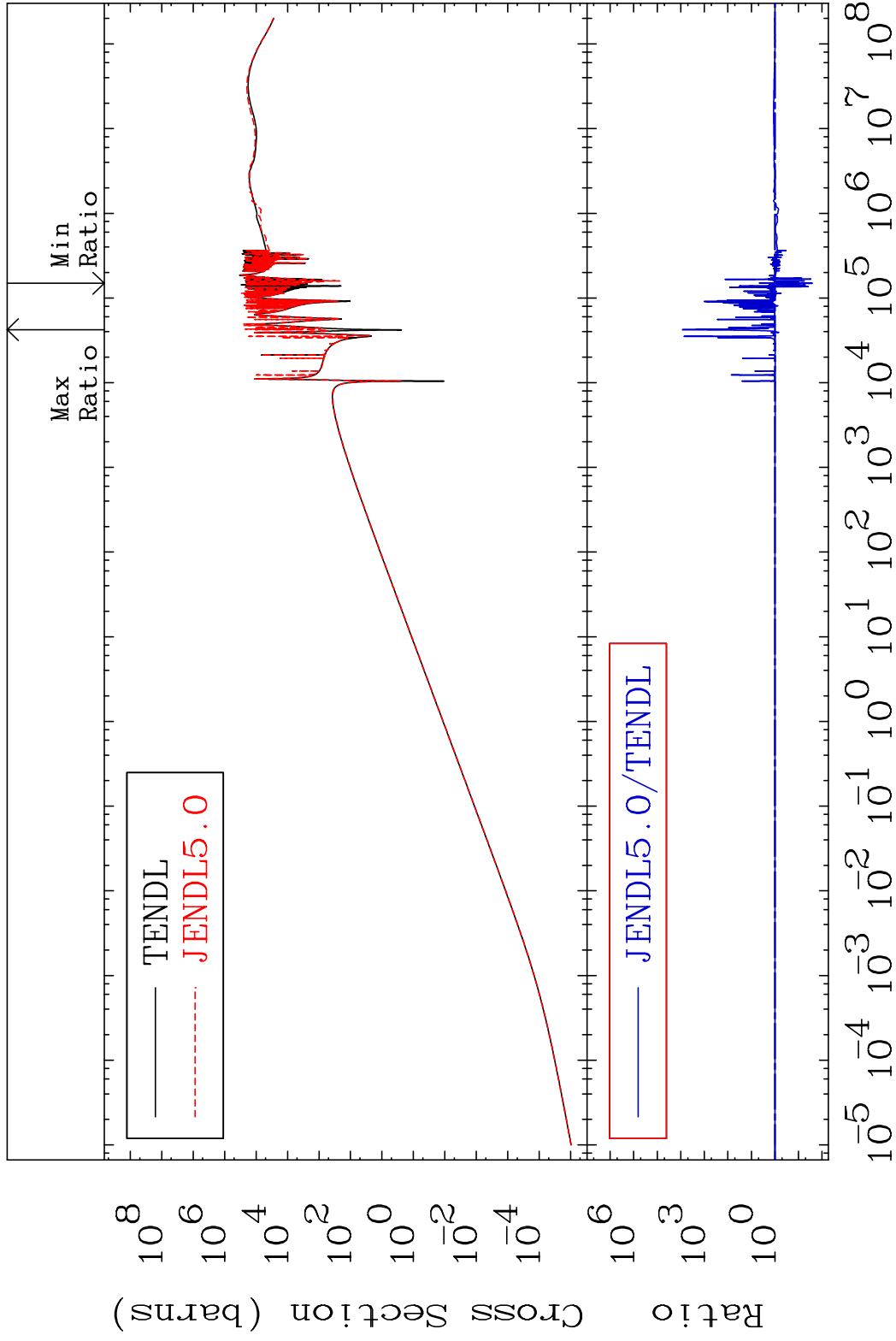
54 Incident Energy (eV) 22-Ti-46

MAT 2225

Kerma elastic

22-Ti-46

Cross Section -97.48 To 9999. %

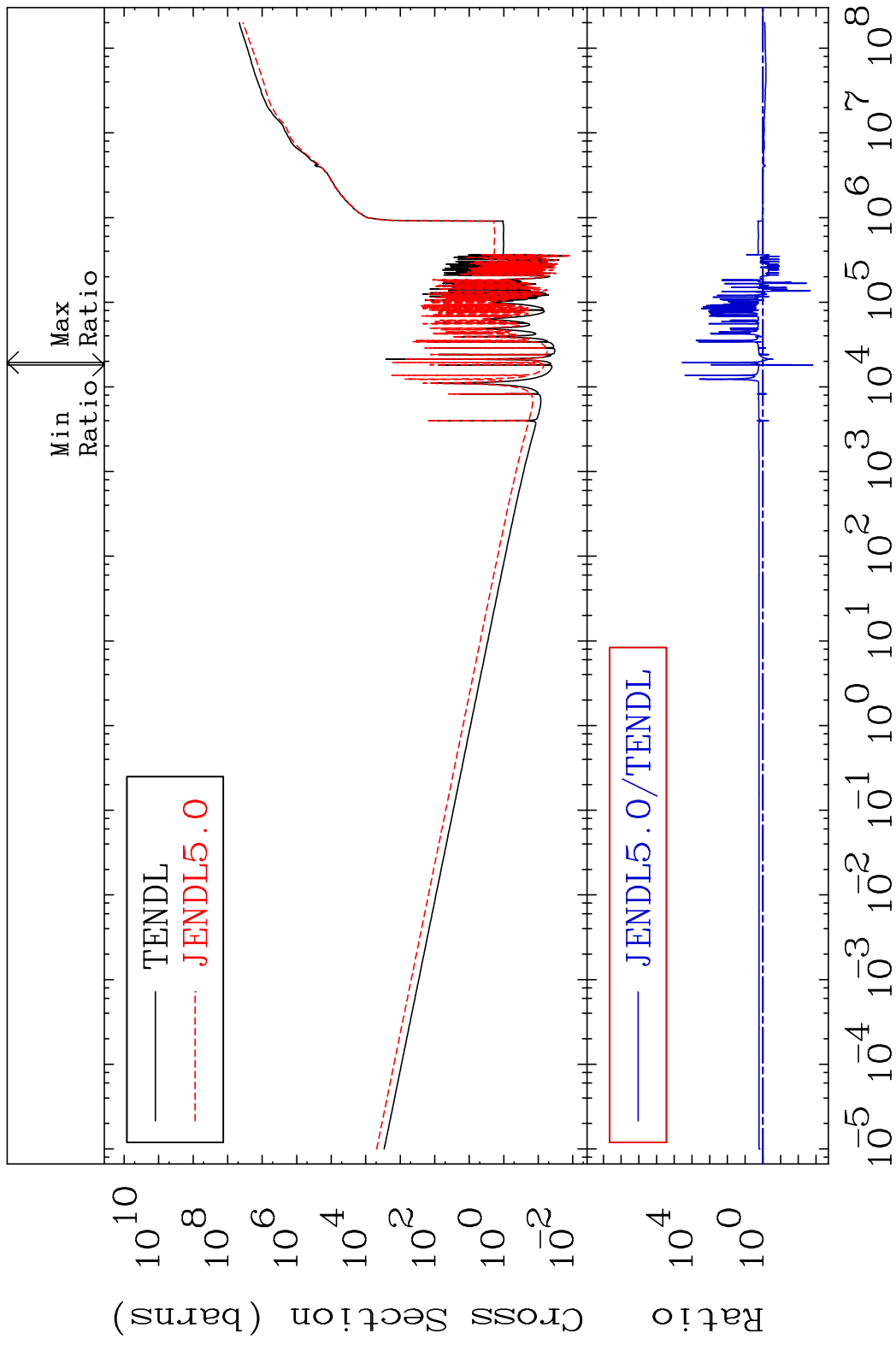


55

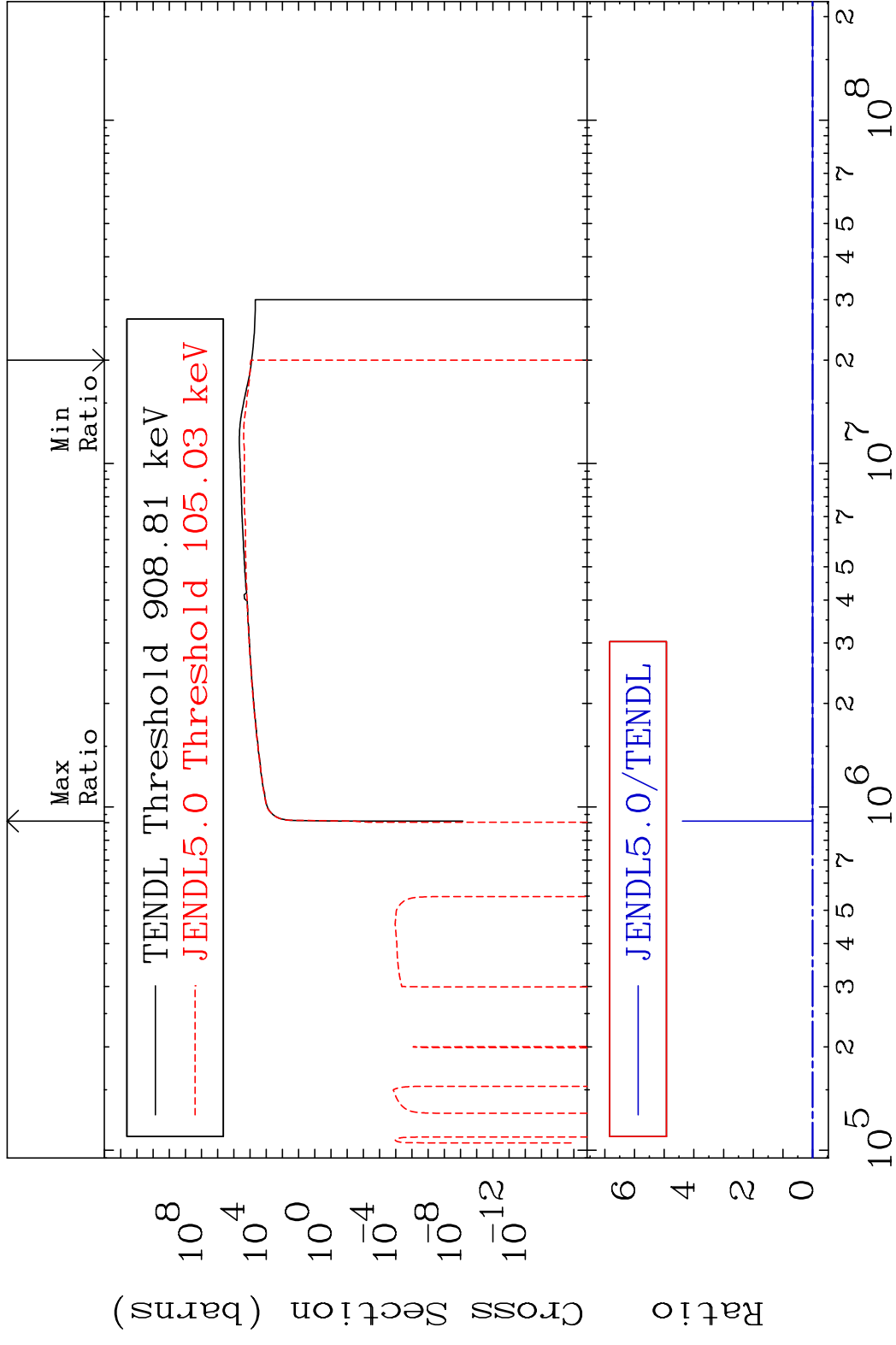
Incident Energy (eV)

22-Ti-46

MAT 2225 Kerma non-elastic (all but mt2) 22-Ti-46
 Cross Section -99.84 To 9999. %

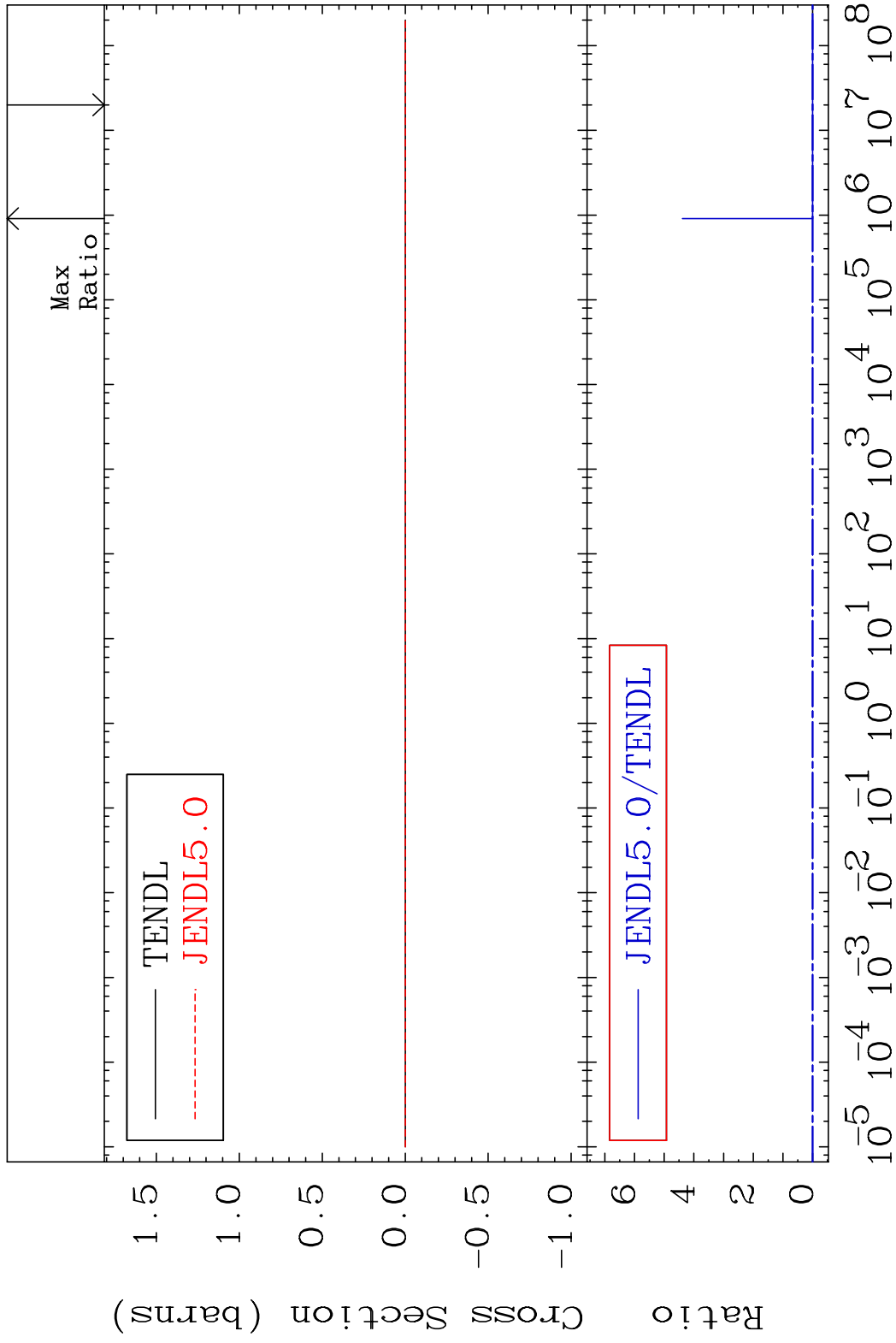


MAT 2225 Kerma inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 9999. %



57 Incident Energy (eV) 22-Ti-46

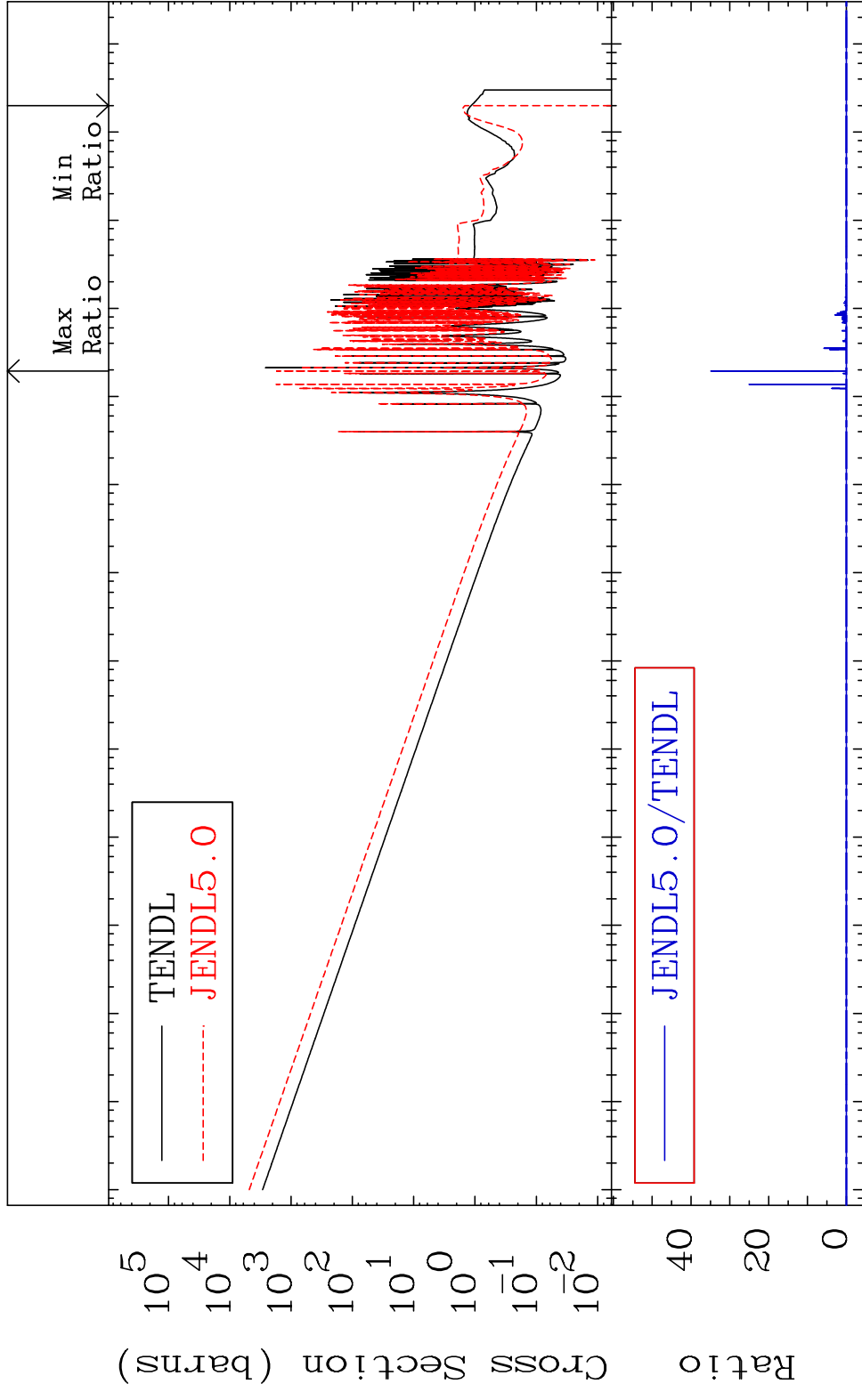
MAT 2225 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-46
 Cross Section -100.0 To 9999. %



MAT 2225

Kerma capture (mt102) 22-Ti-46

Cross Section -100.0 To 9999. %



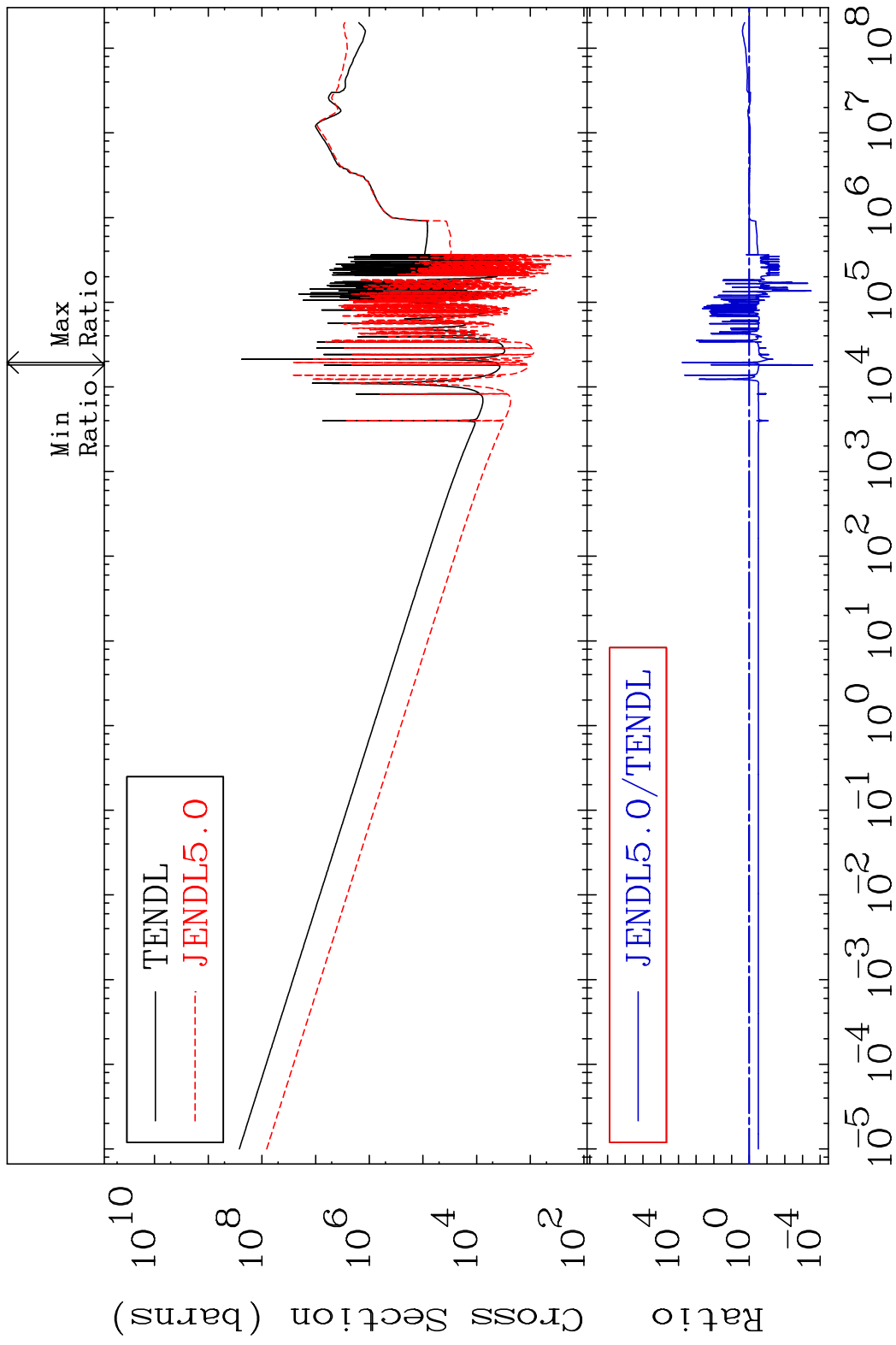
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

59

Incident Energy (eV)

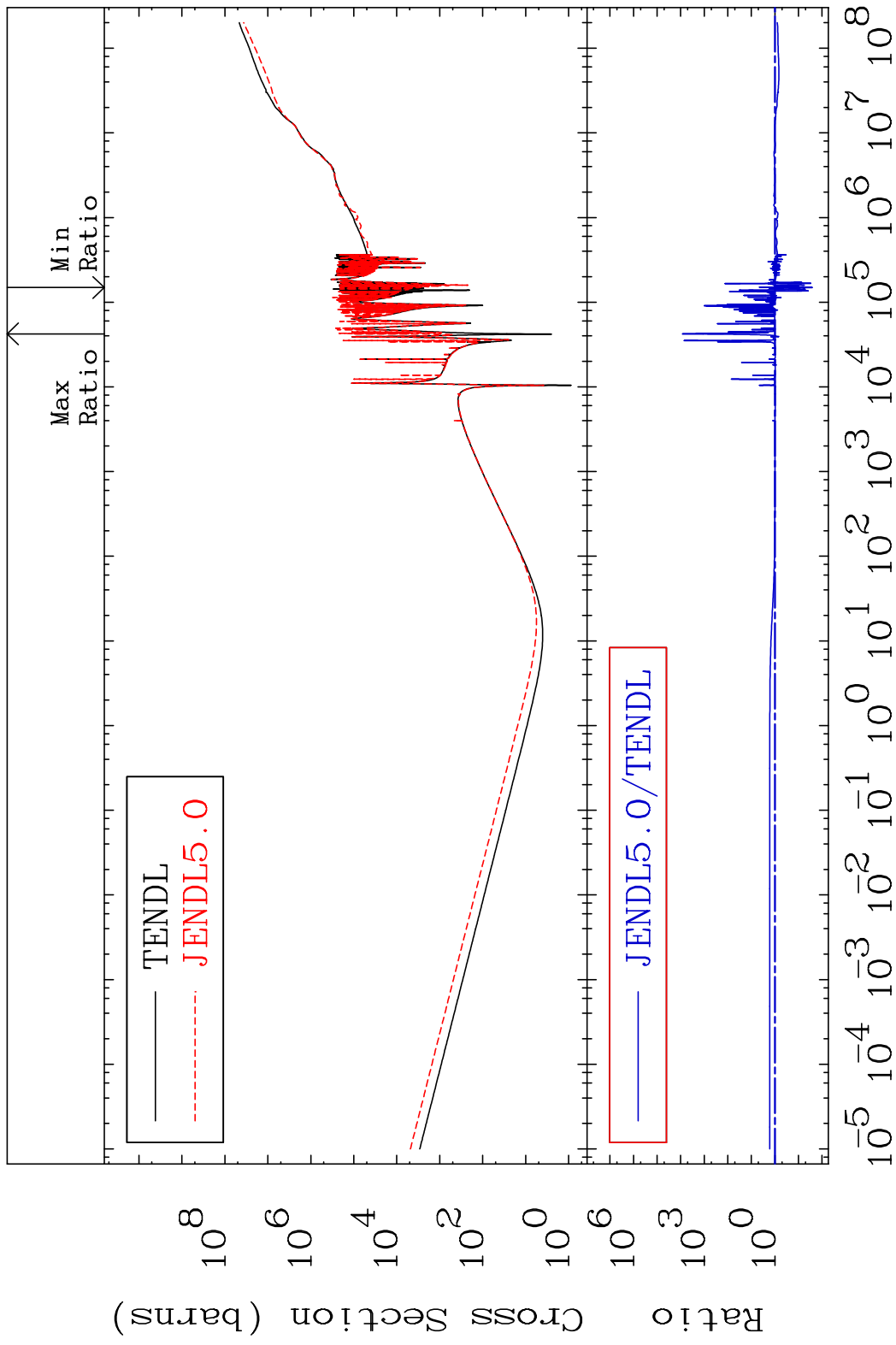
22-Ti-46

MAT 2225 Total photon (eV-barns) 22-Ti-46
Cross Section -99.97 To 9999. %

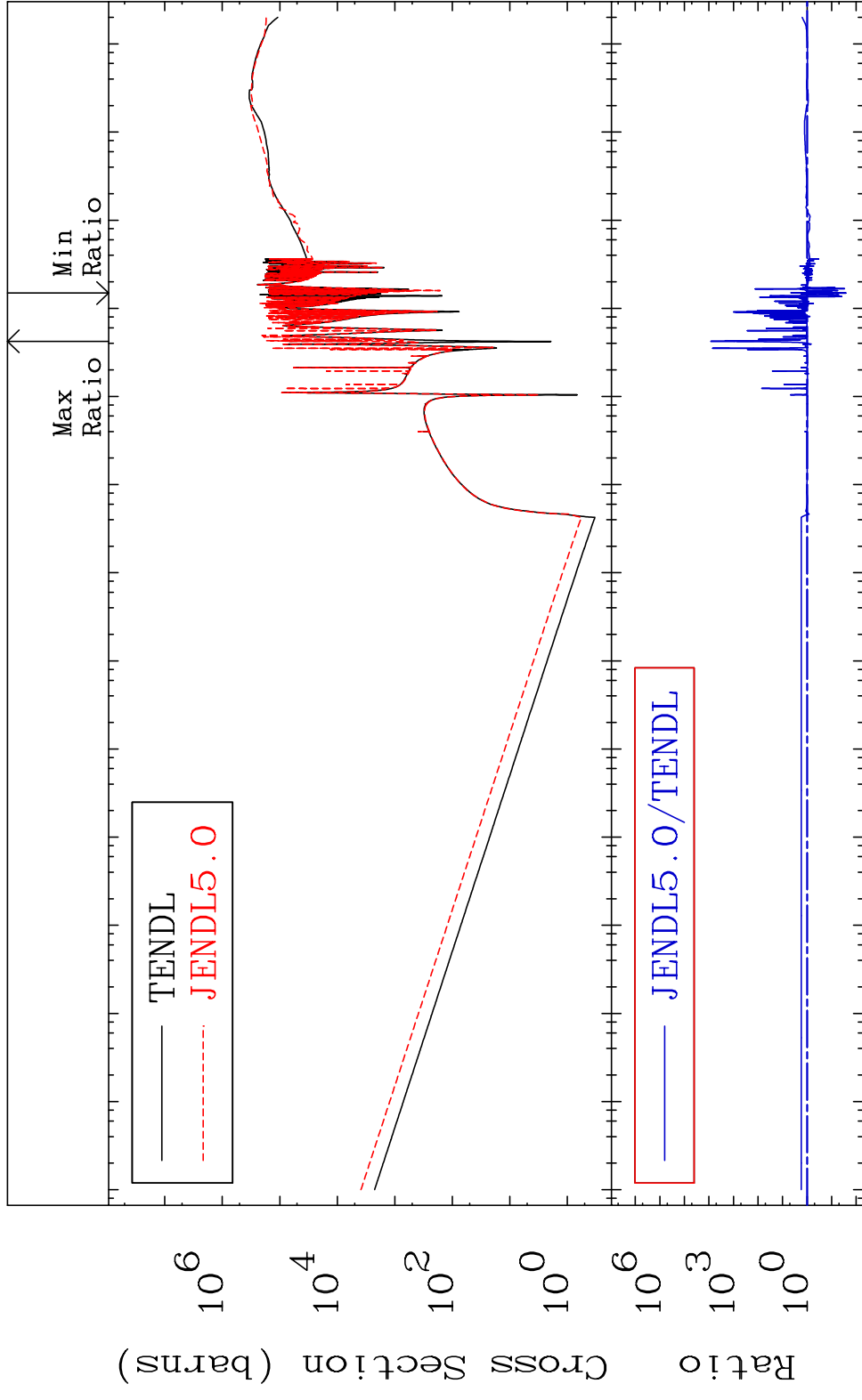


60 Incident Energy (eV) 22-Ti-46

MAT 2225 Total kinematic kerma (high limit) 22-Ti-46
 Cross Section -97.48 To 9999. %



MAT 2225 Dpa total (eV-barns) 22-Ti-46
 Cross Section -97.48 To 9999. %



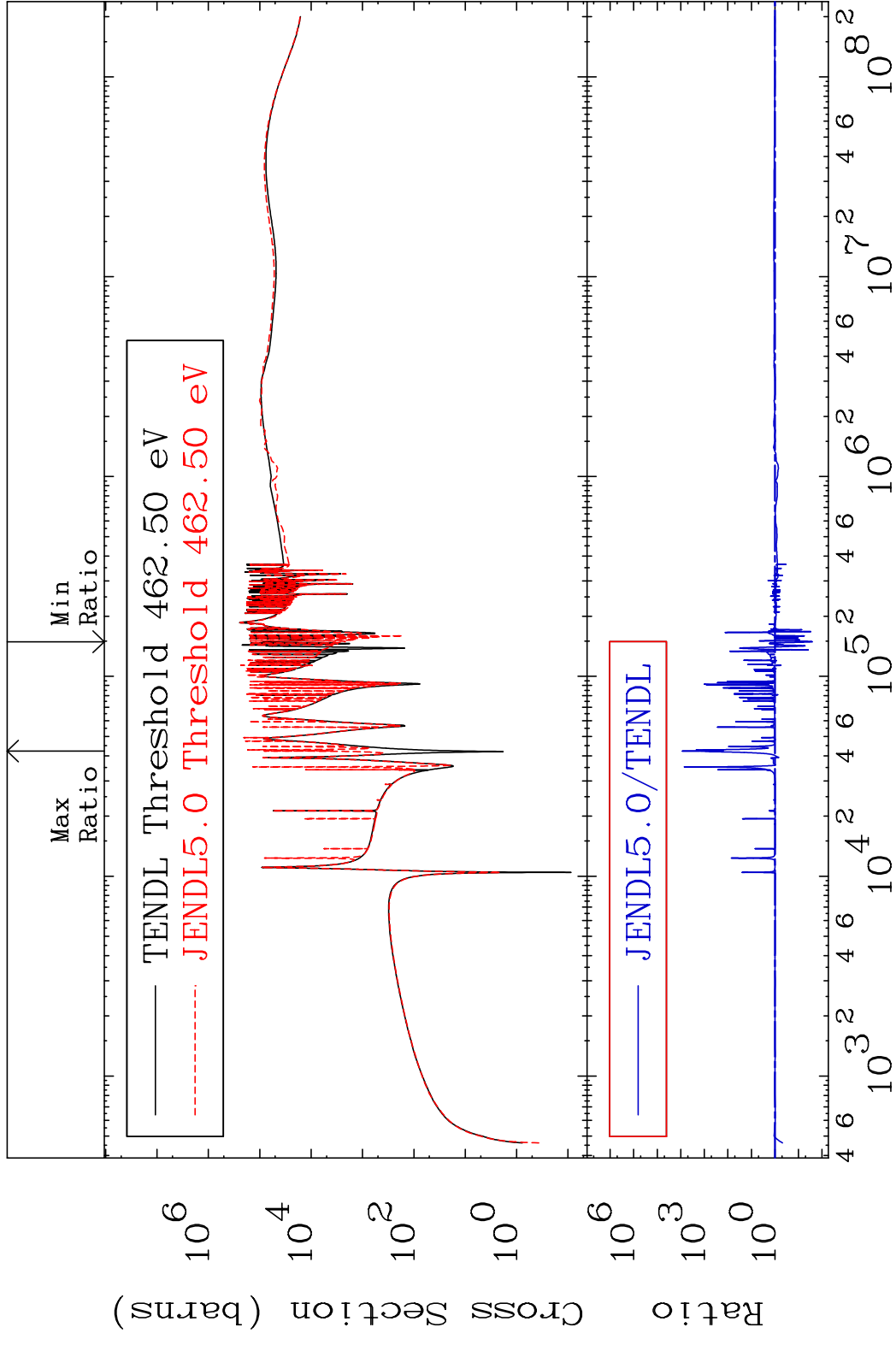
62 Incident Energy (eV) 22-Ti-46

MAT 2225

Dpa elastic (mt2)

22-Ti-46

Cross Section -97.48 To 9999. %

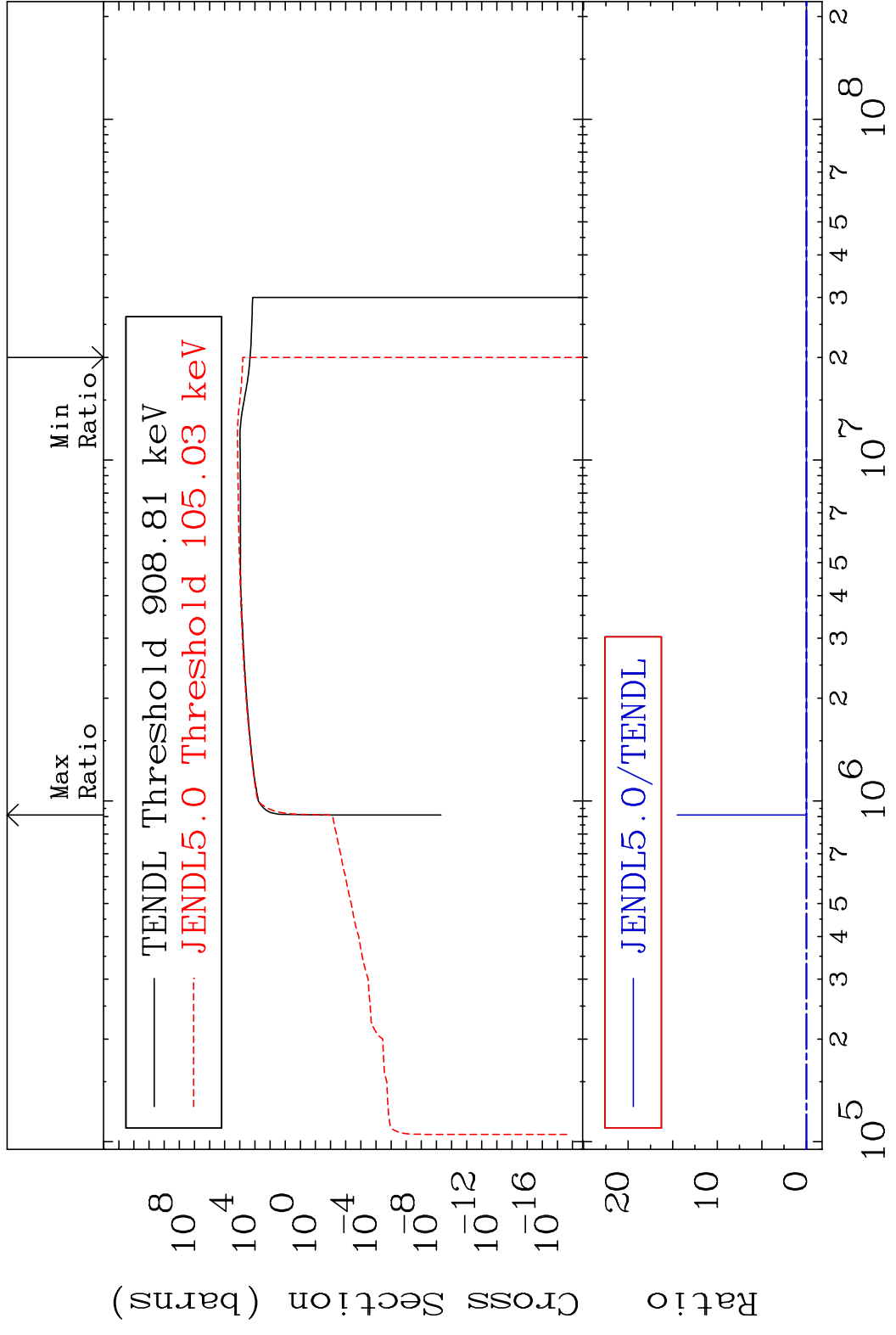


63

Incident Energy (eV)

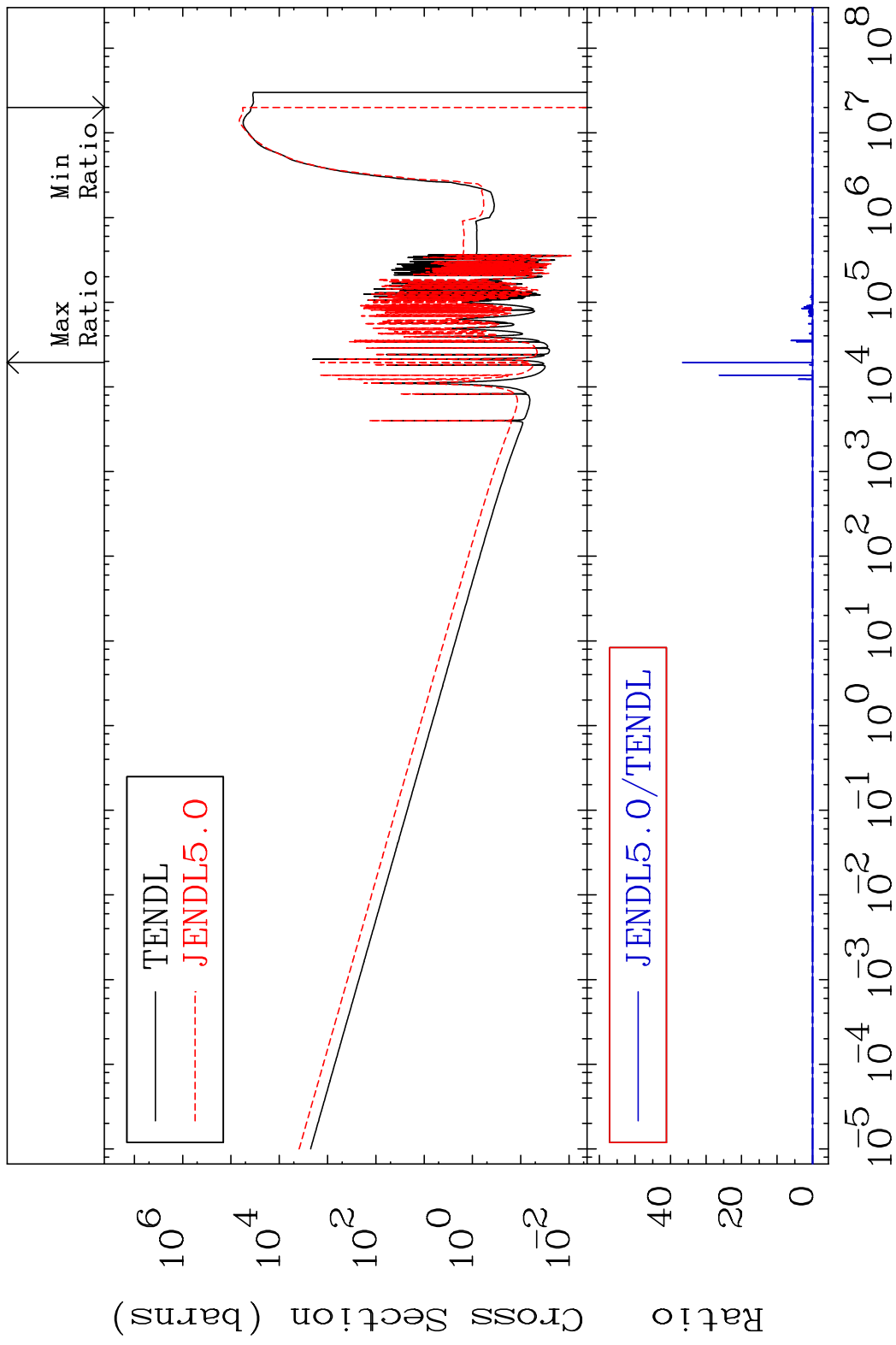
22-Ti-46

MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 9999. %



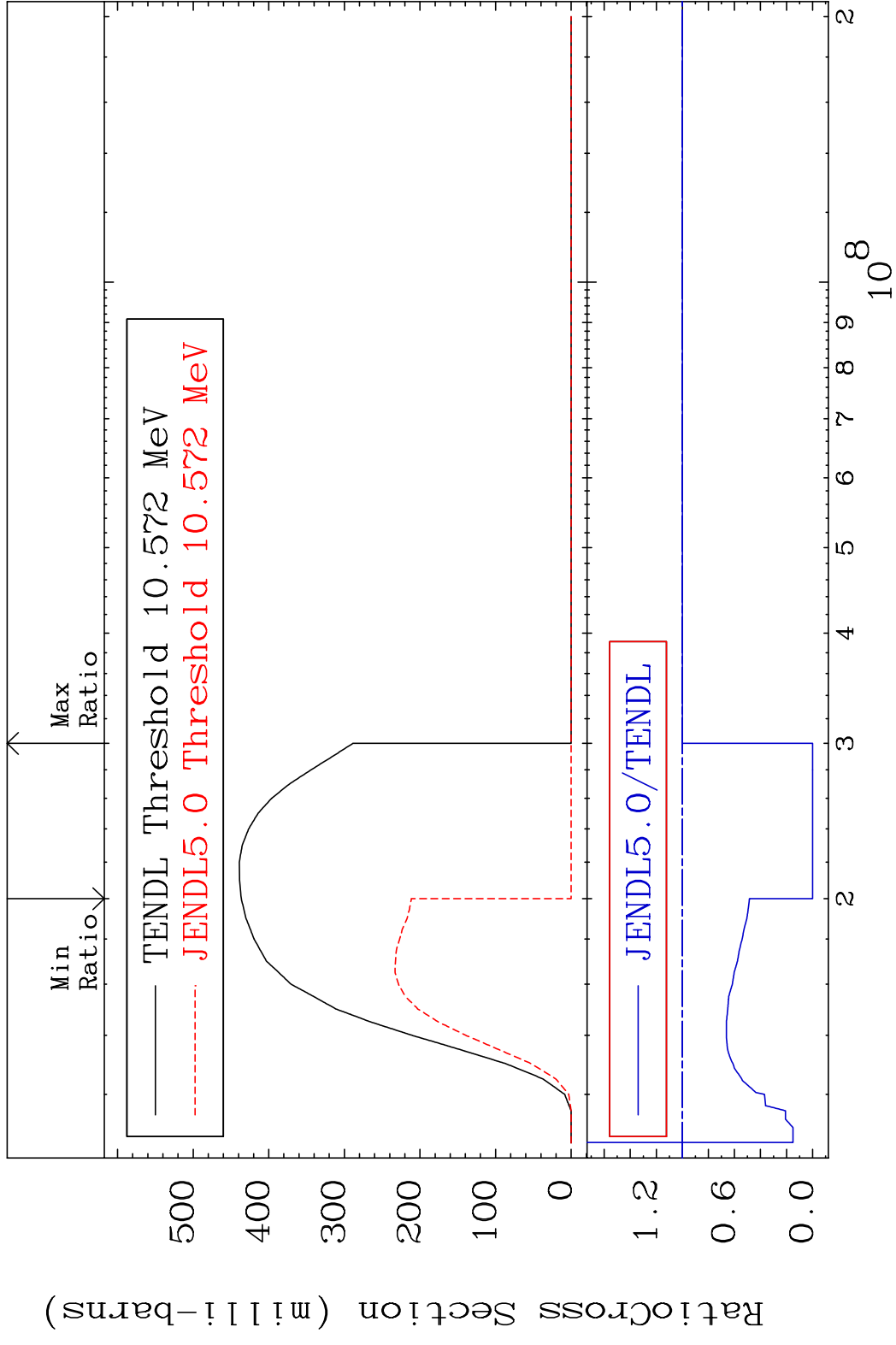
64 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -100.0 To 9999. %

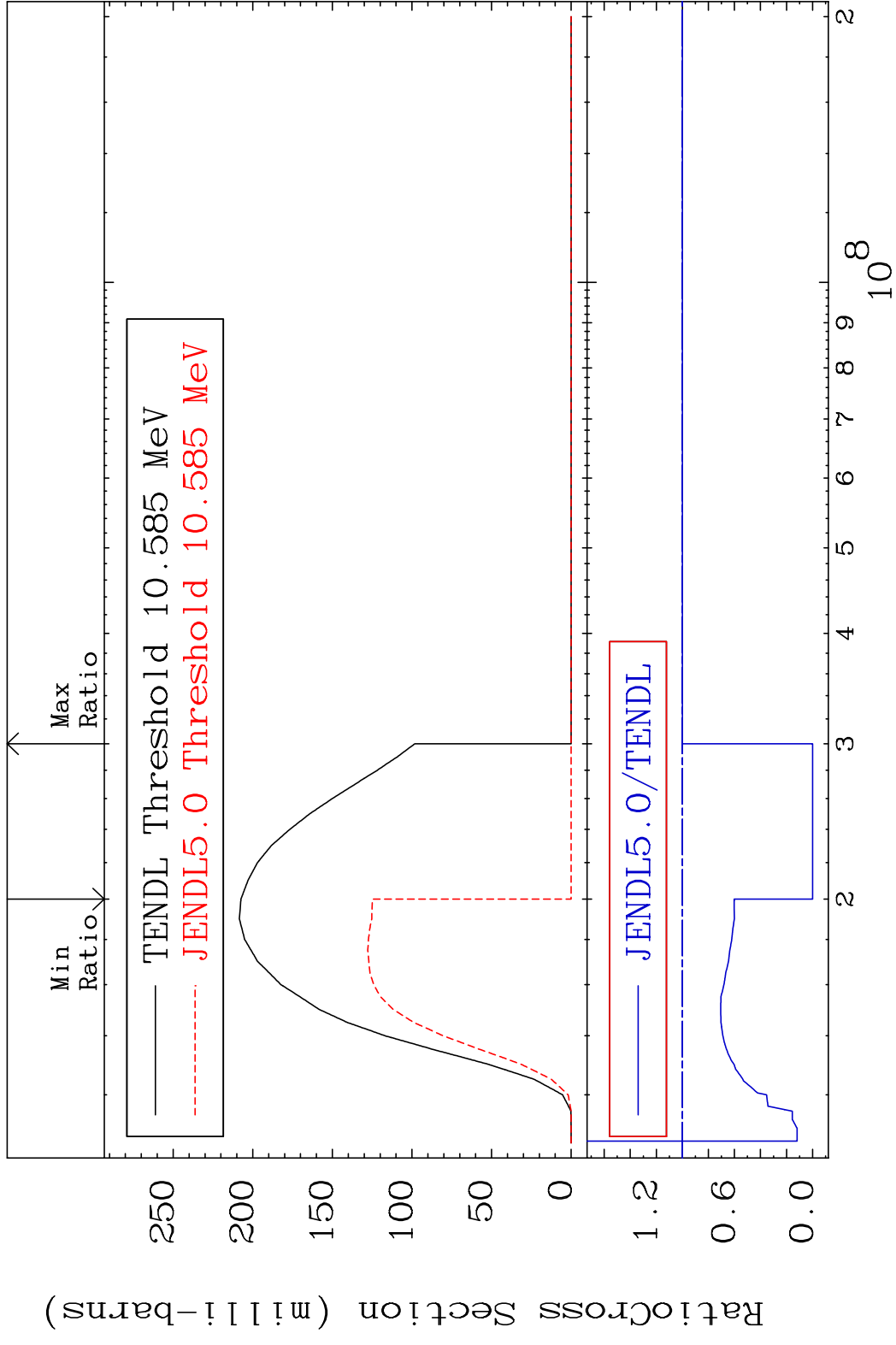


65 Incident Energy (eV) 22-Ti-46

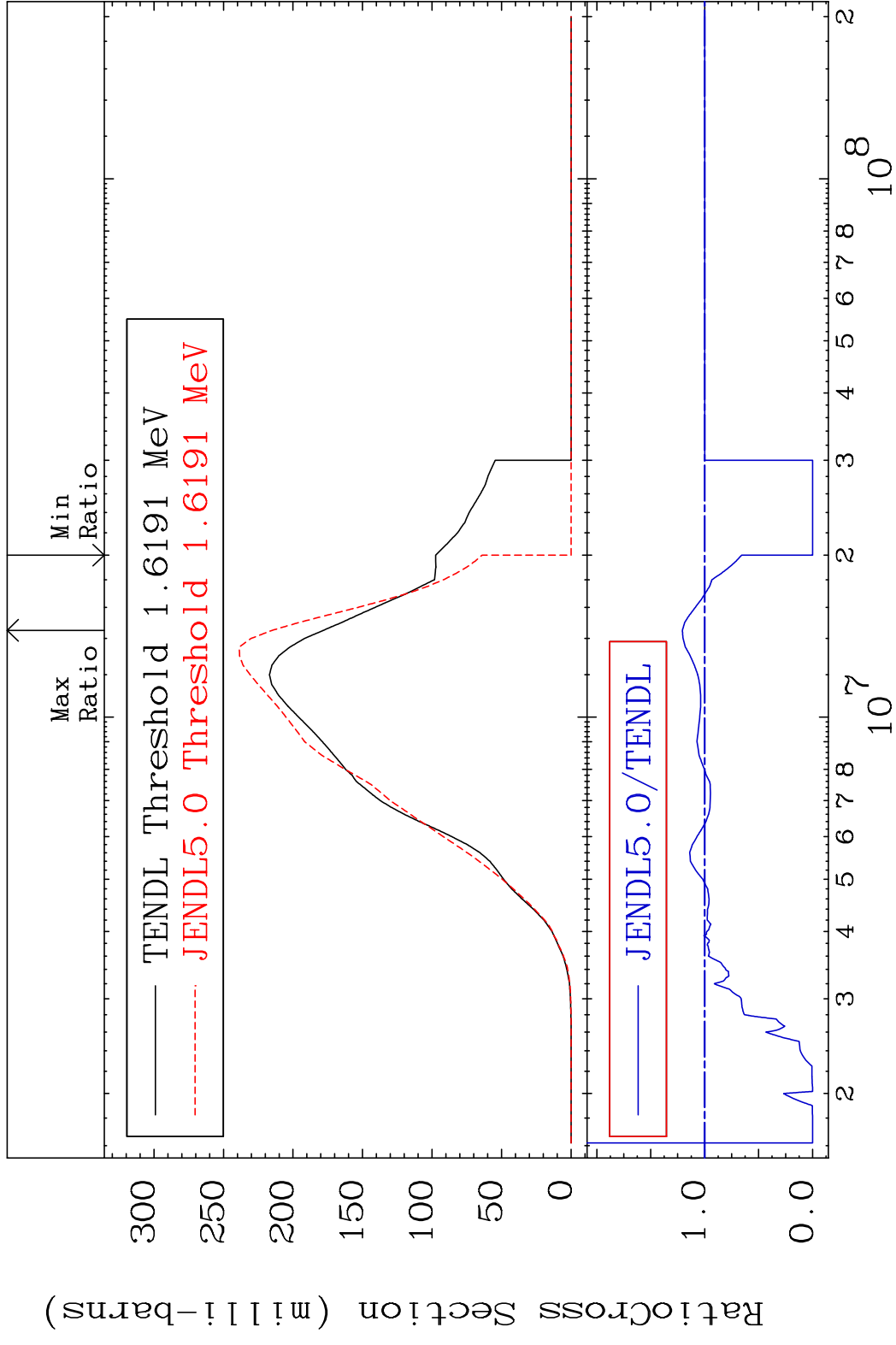
MAT 2225 (n, n') p:21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section Ratio 0.000 %



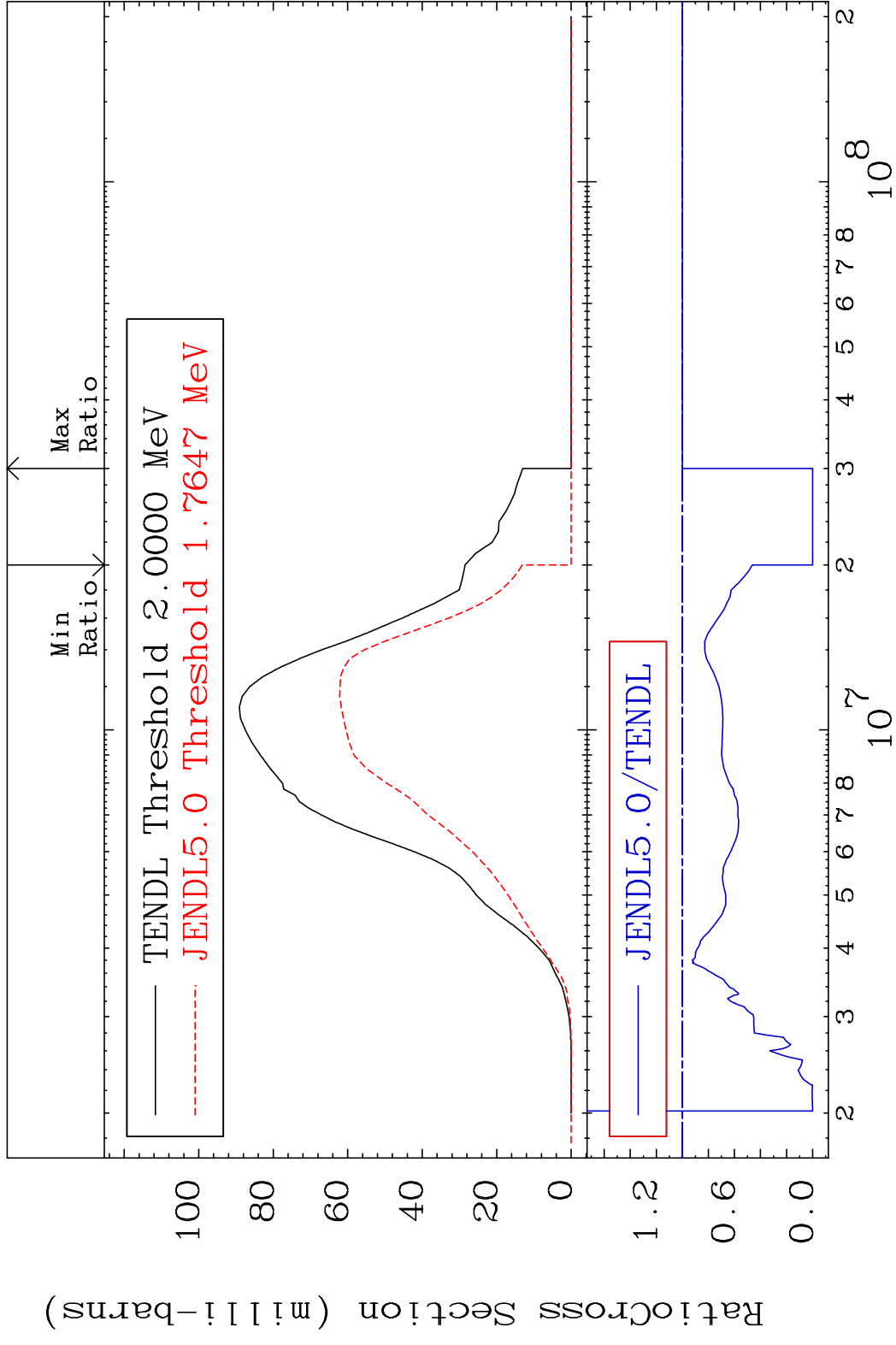
MAT 2225 (n, n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section Ratio 0.000 %



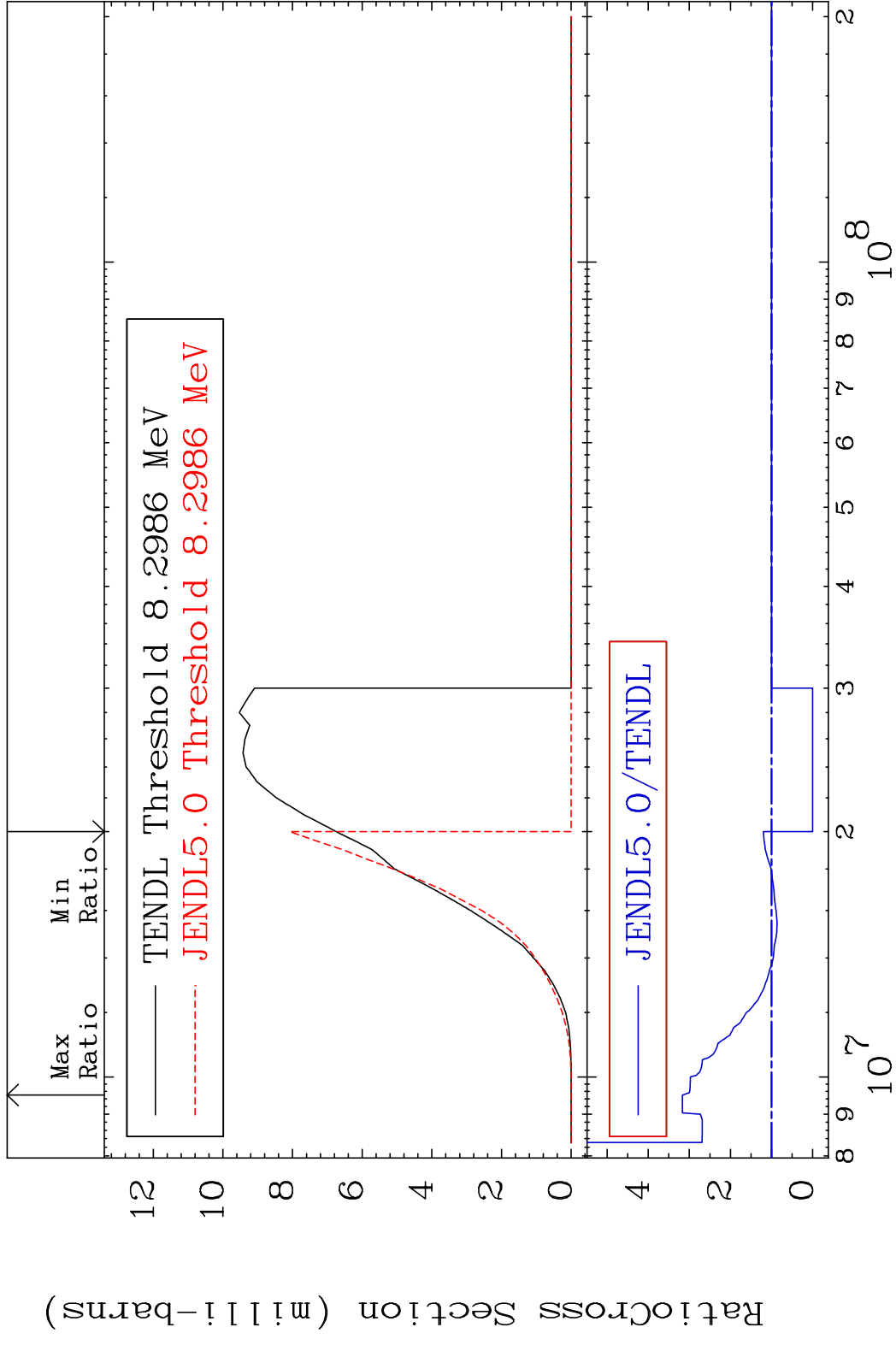
MAT 2225 (n,p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section 180.0 mb 20.69 %



MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section Ratio 0.000 %

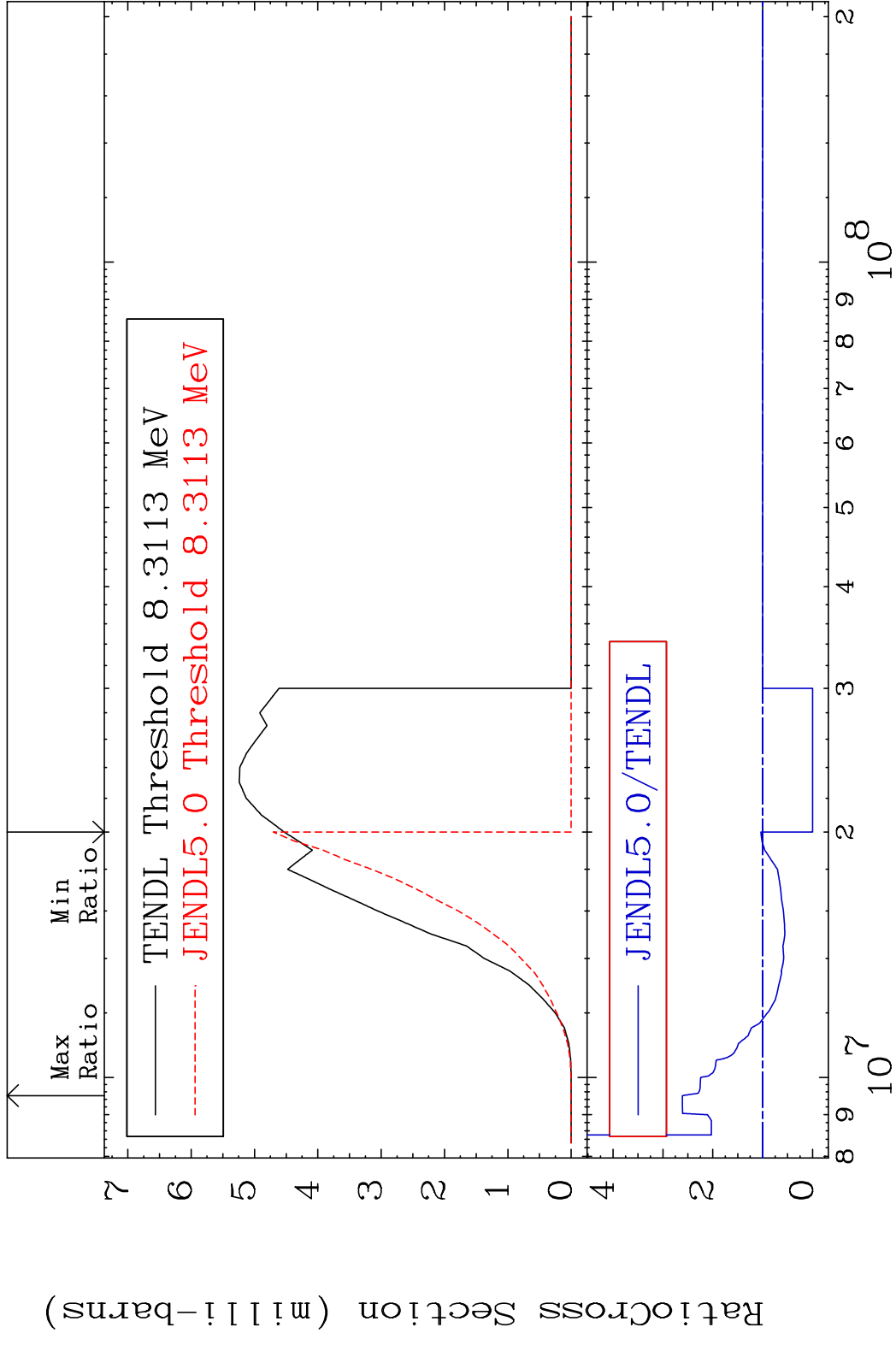


MAT 2225 (n,d):21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 180.0 mb 217.0 %



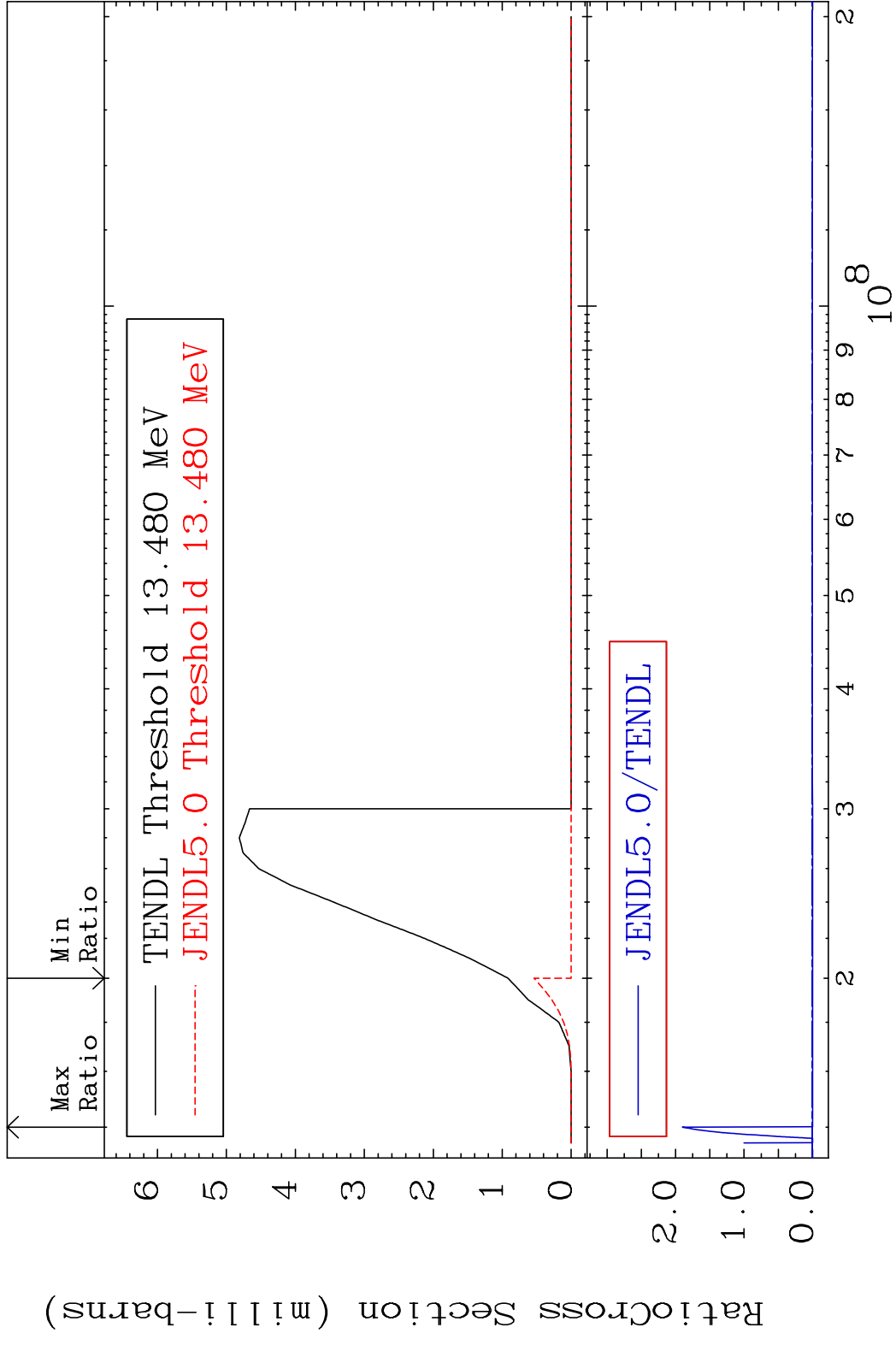
70 Incident Energy (eV) 22-Ti-46

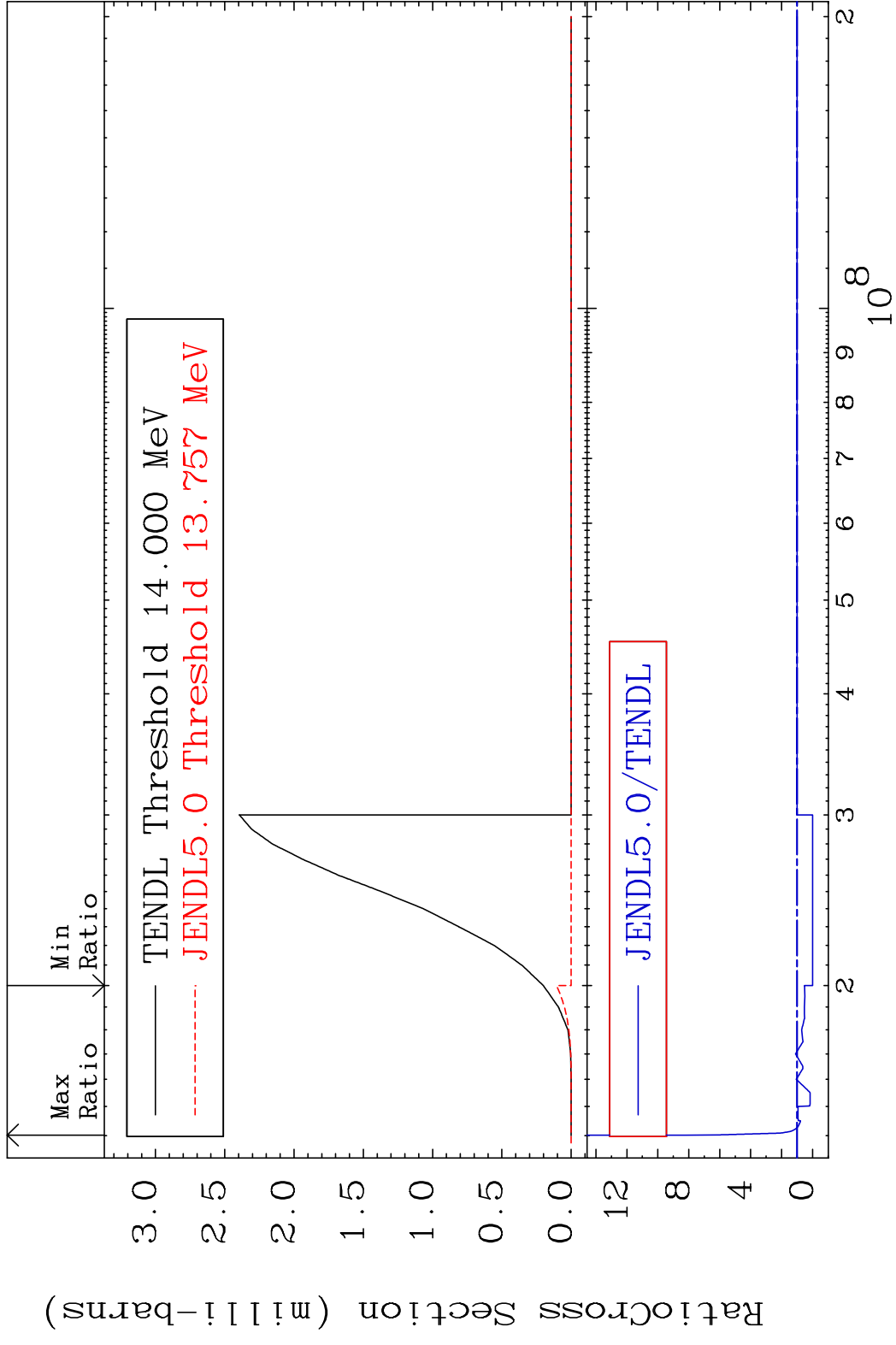
MAT 2225 (n, d):21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 180.0 dth 161.0 %



71 Incident Energy (eV) 22-Ti-46

MAT 2225 (n, t):21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section Ratio



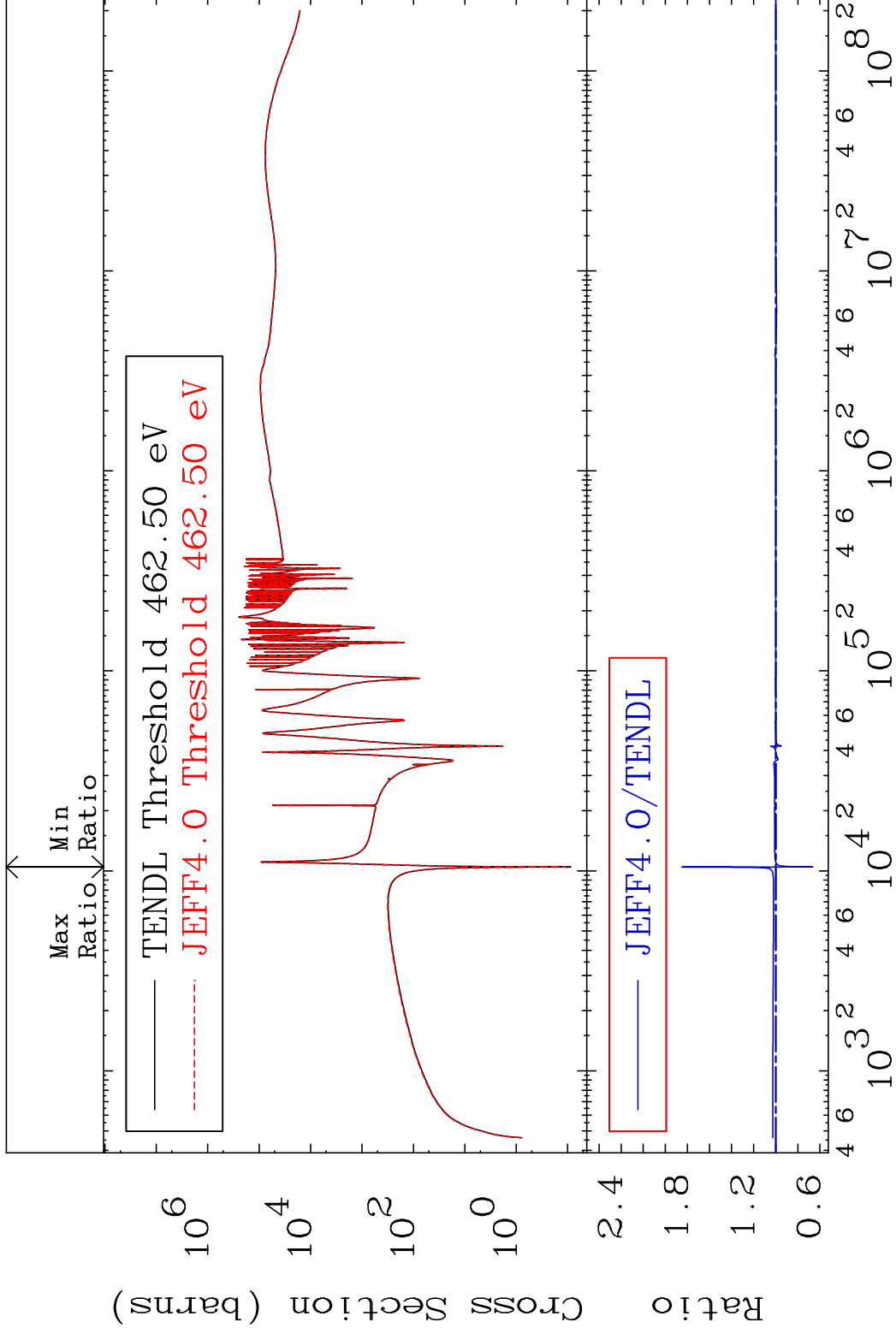


MAT 2225

Dpa elastic (mt2)

22-Ti-46

Cross Section -33.25 To 84.78 %

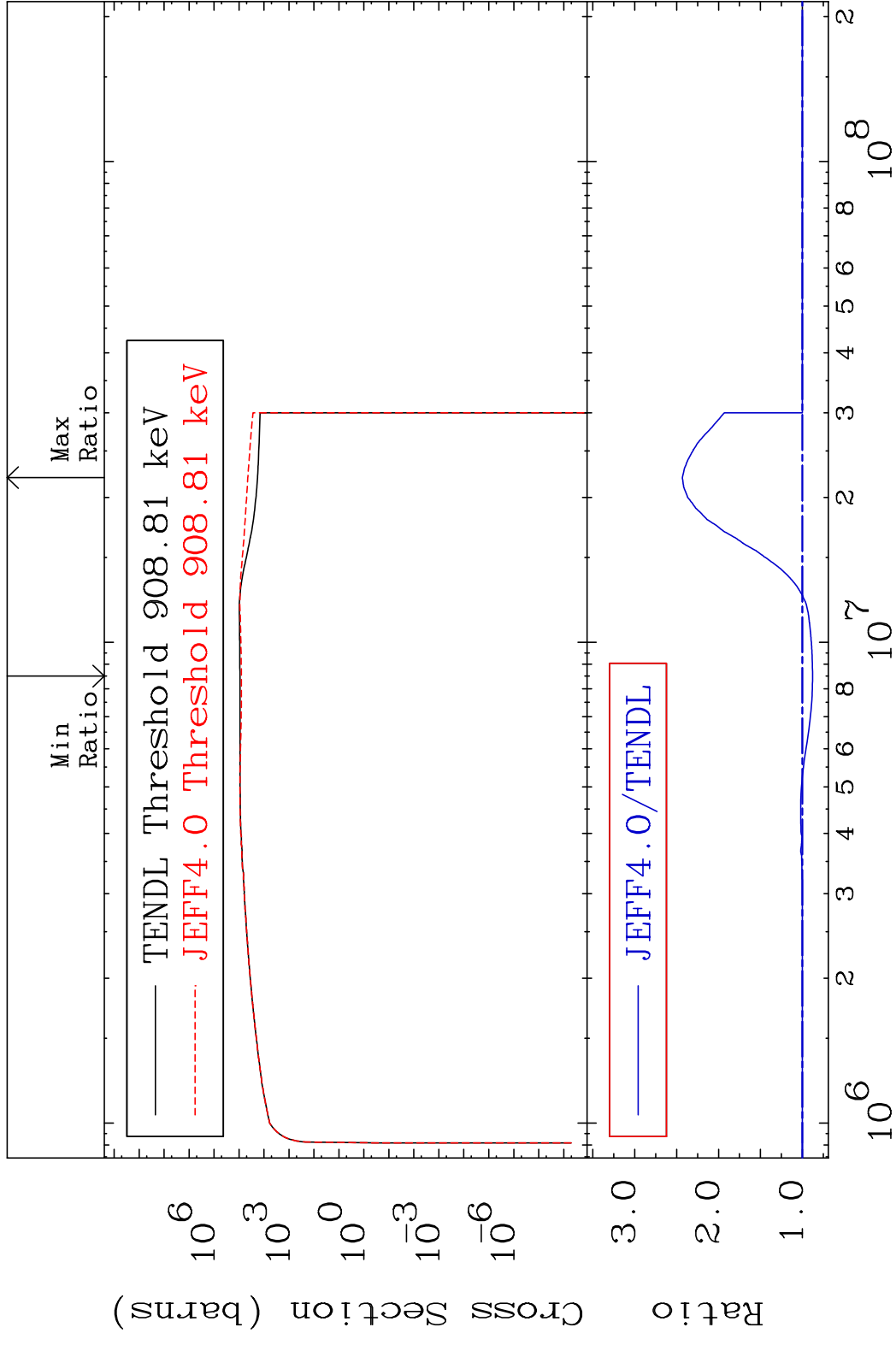


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Incident Energy (eV)

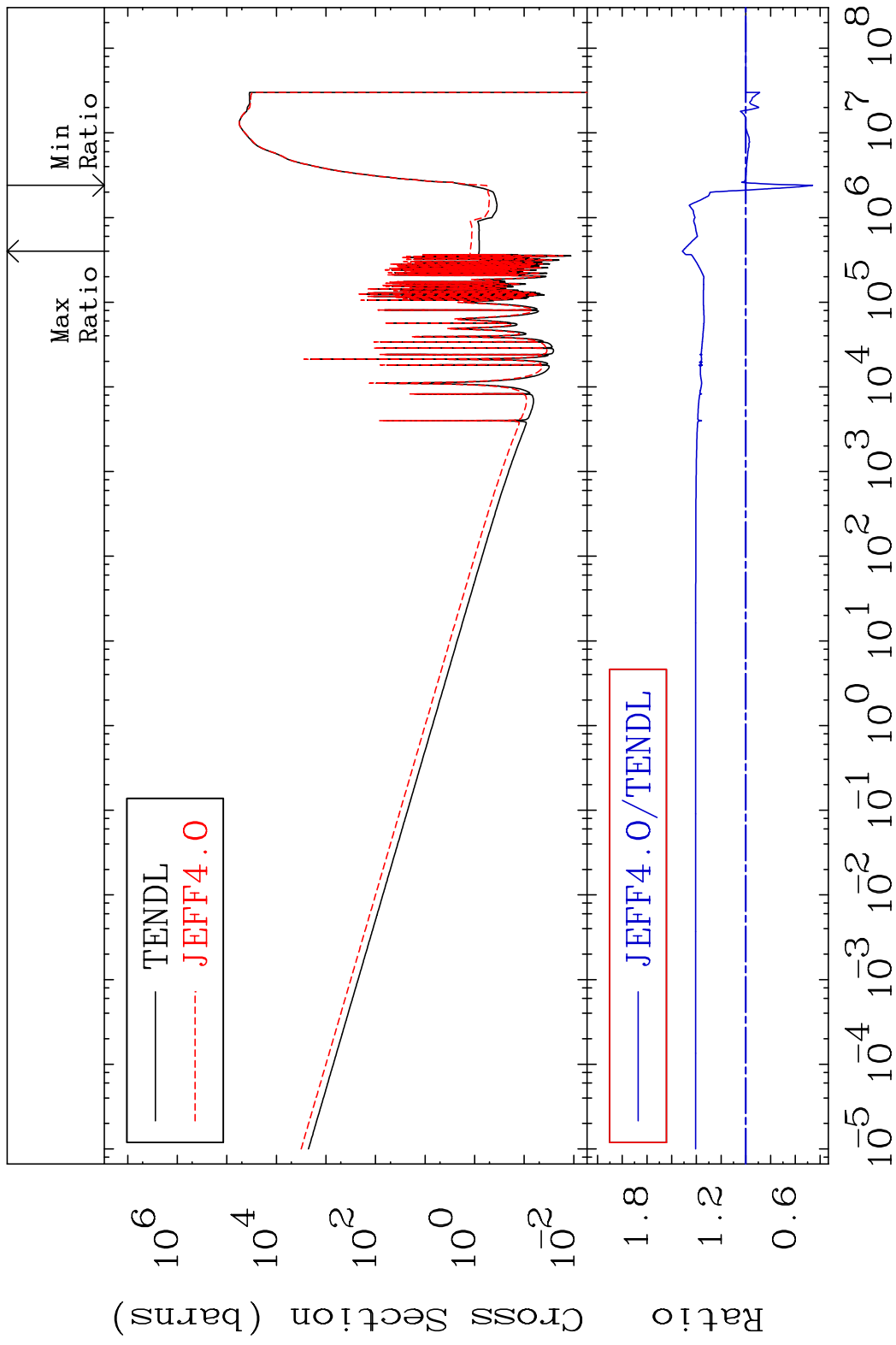
22-Ti-46

MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
 Cross Section -12.13 To 143.2 %

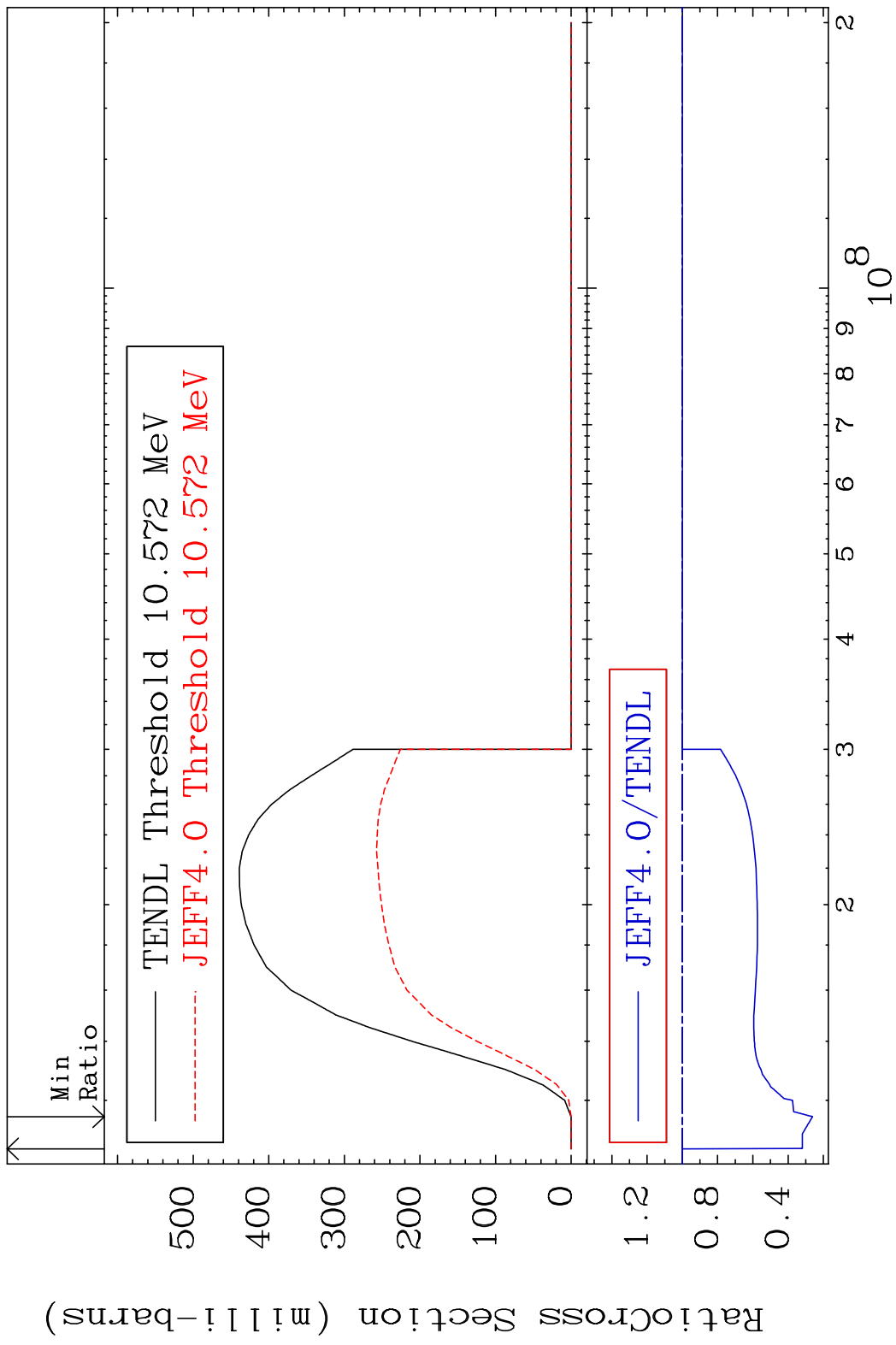


75 Incident Energy (eV) 22-Ti-46

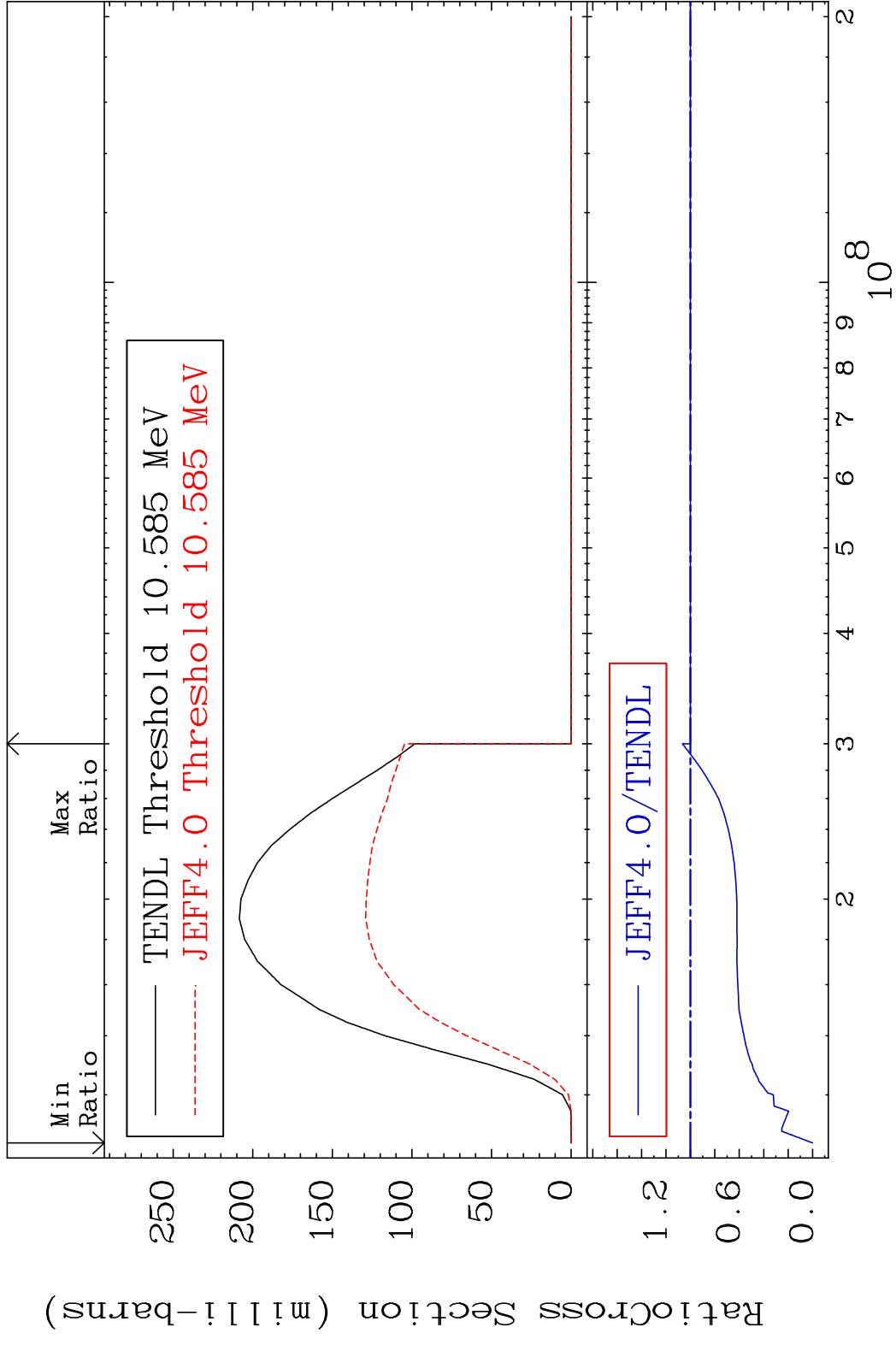
MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -53.93 To 51.37 %



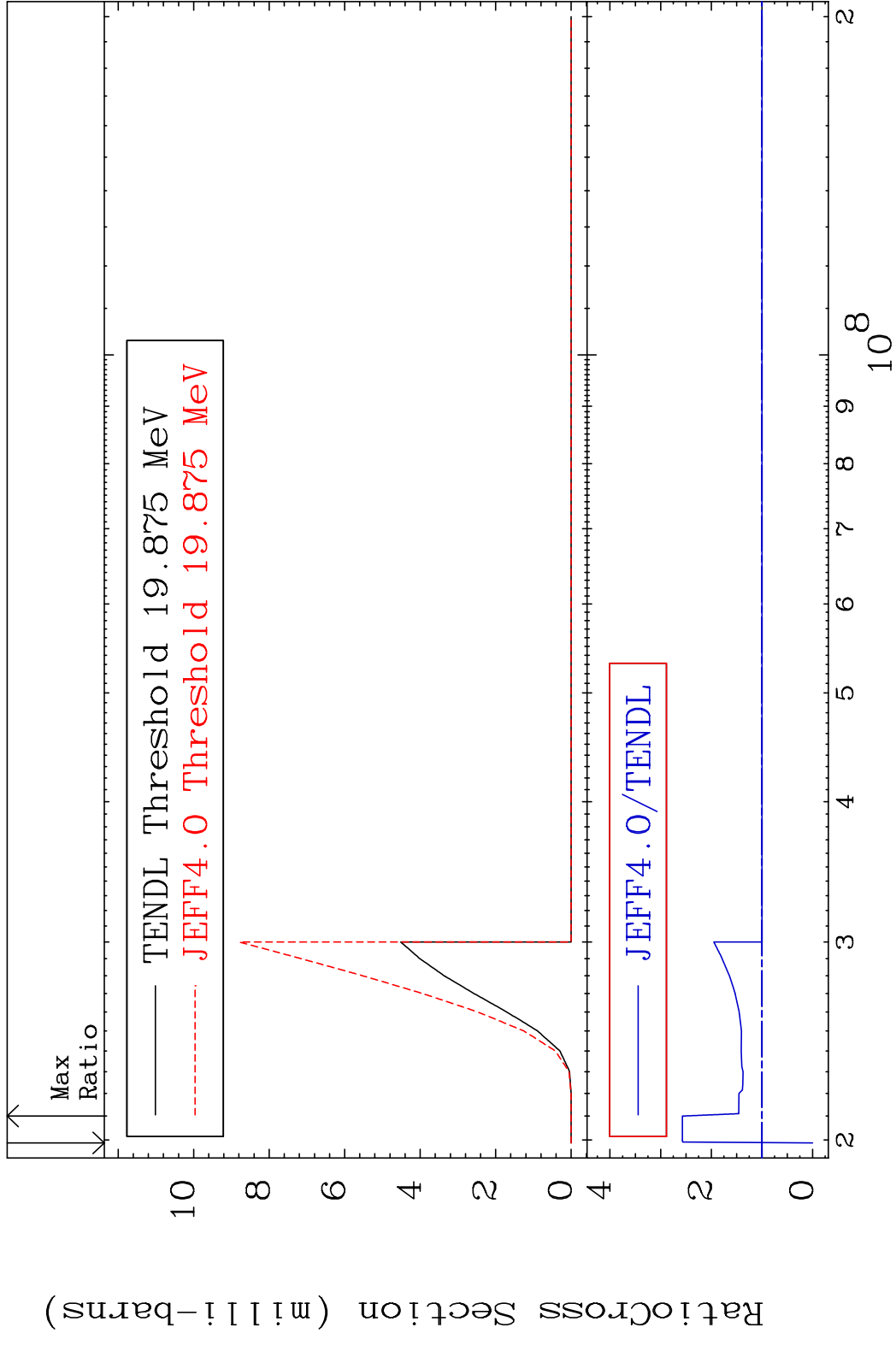
MAT 2225 (n, n') p:21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 0.000 %



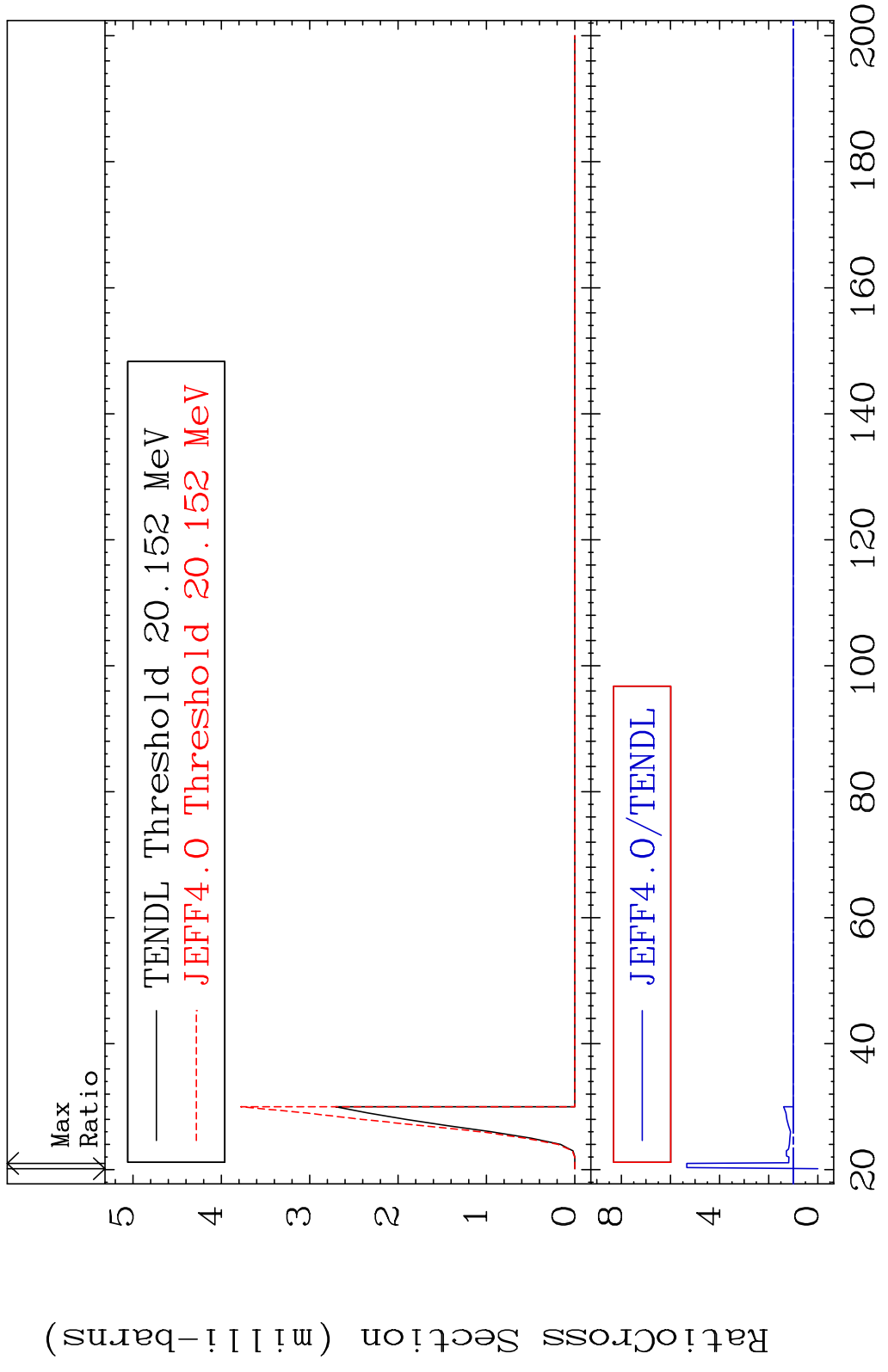
MAT 2225 (n, n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 1800 d to 6.599 %



MAT 2225 (n, n') d:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 157.1 %

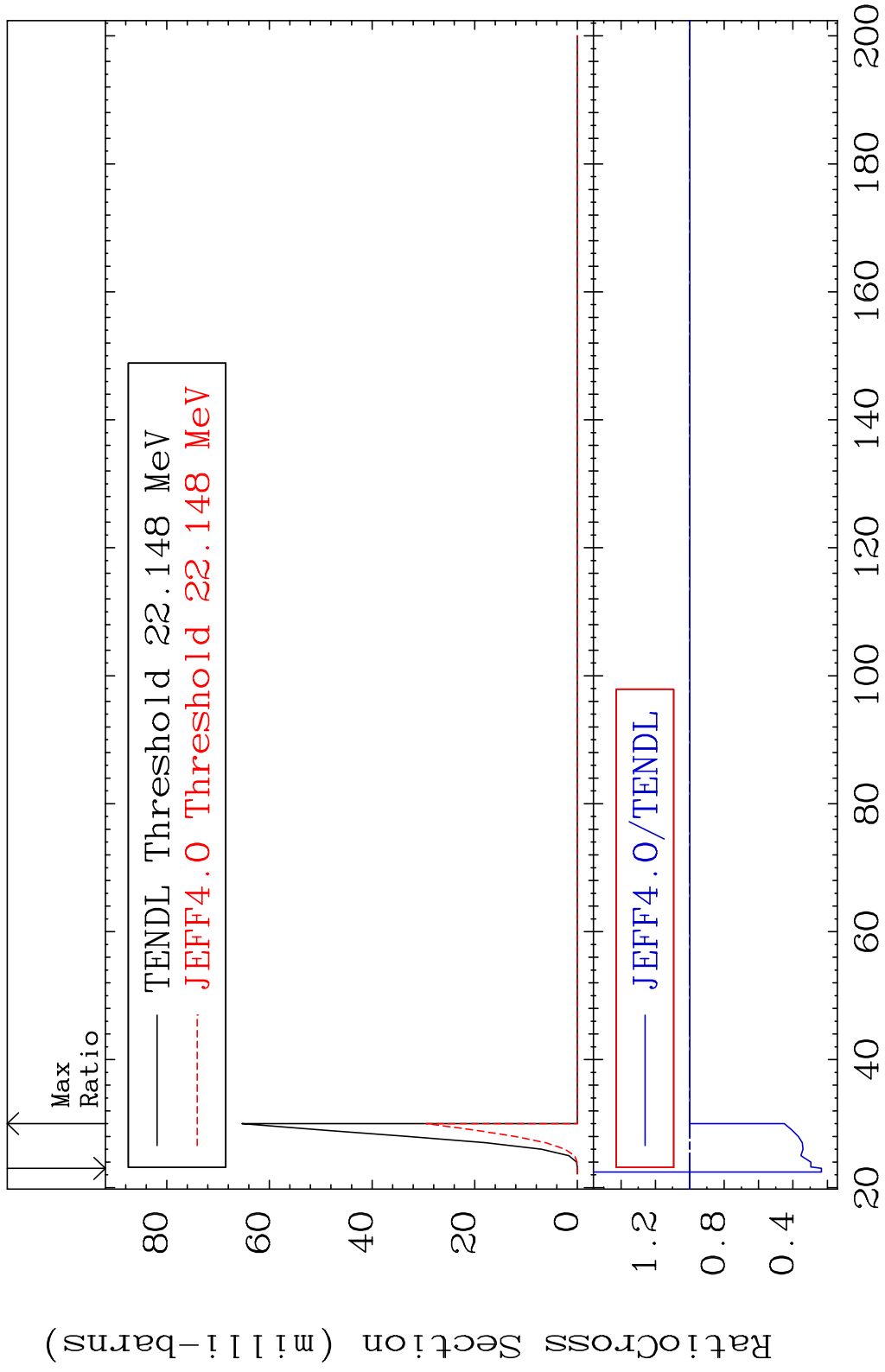


MAT 2225 (n, n') d:21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section 180.0 dth 433.9 %

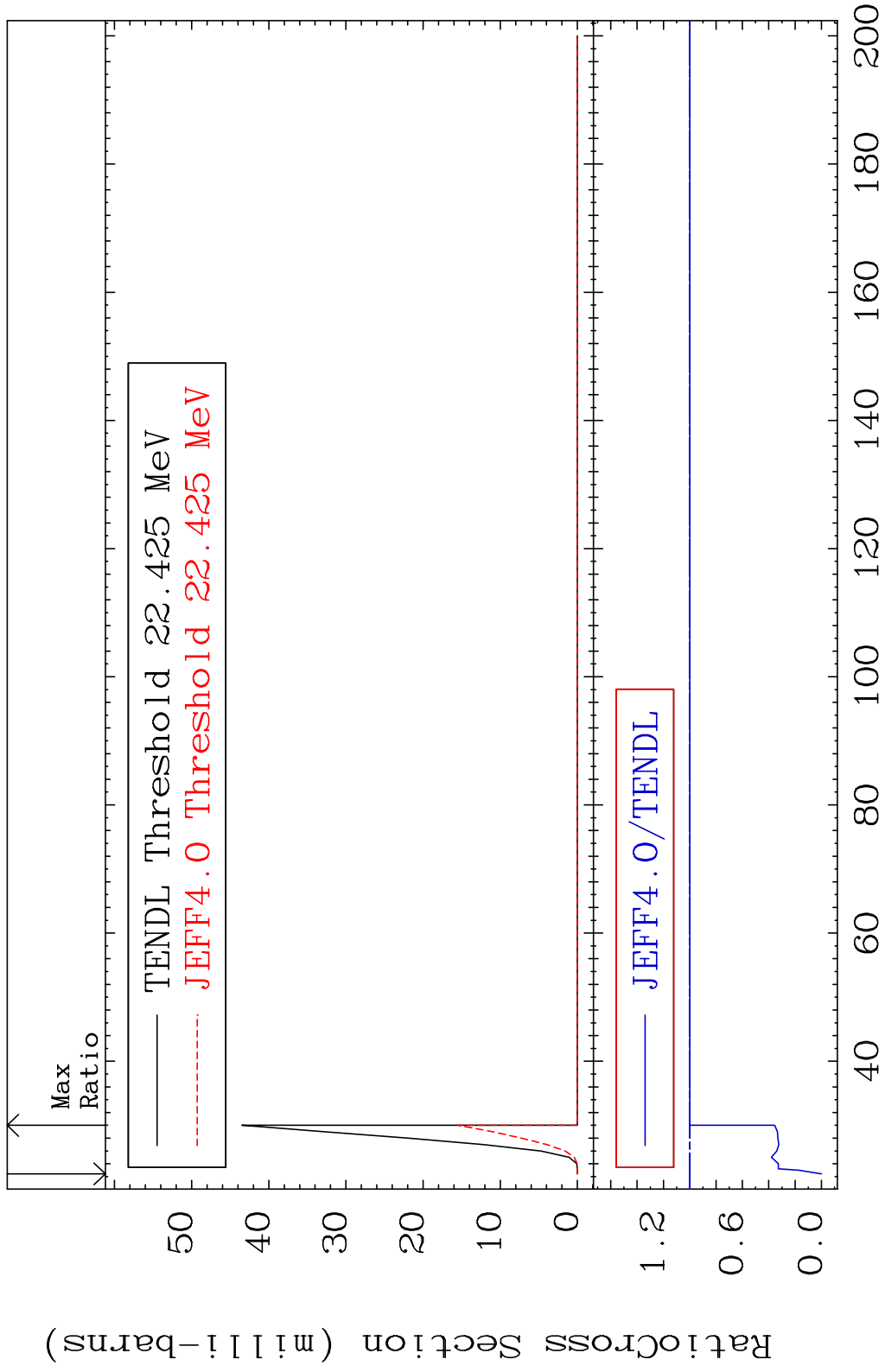


80 Incident Energy (MeV) 22-Ti-46

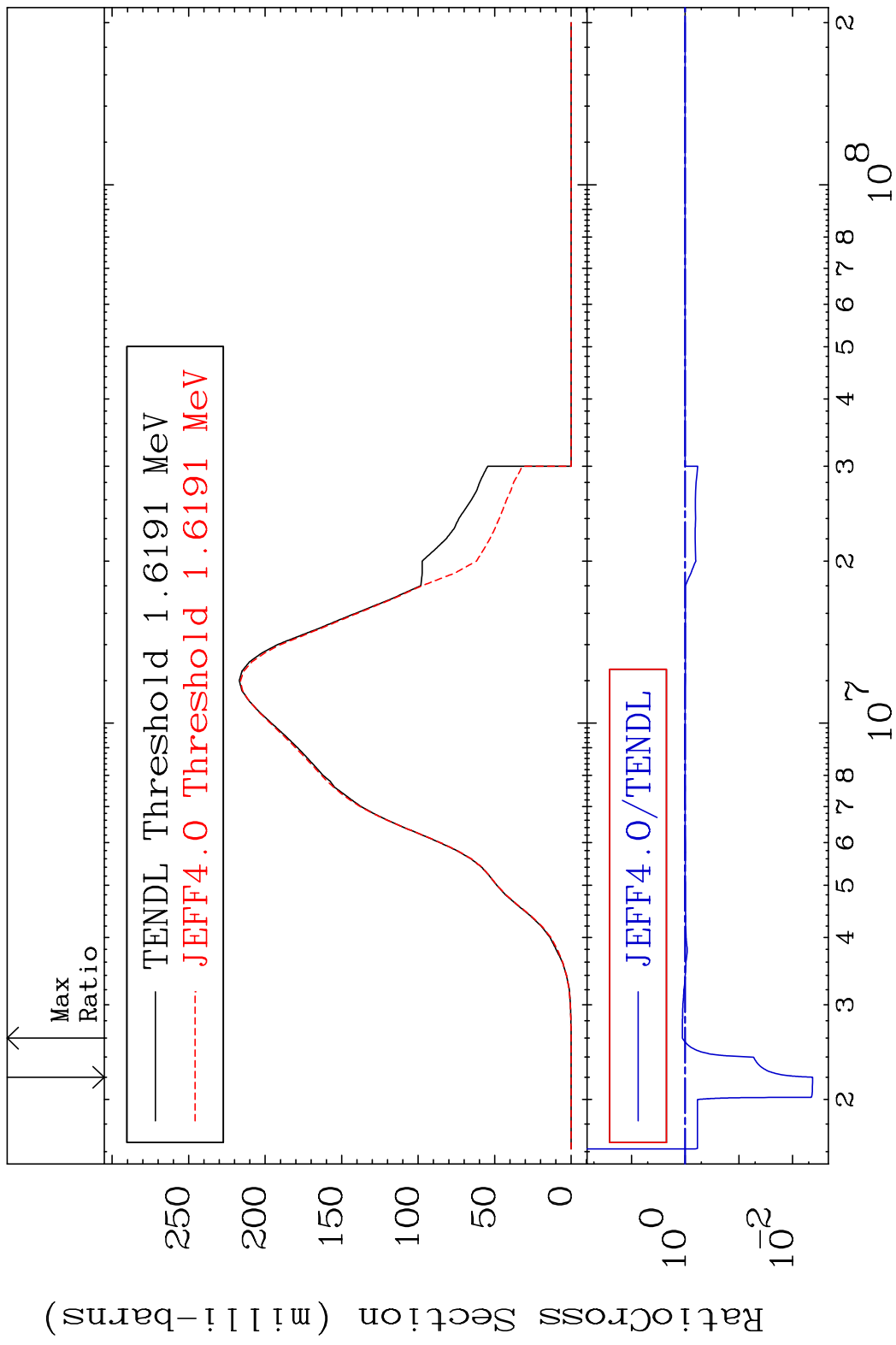
MAT 2225 (n,2n) p:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 78.51 dth 0.000 %



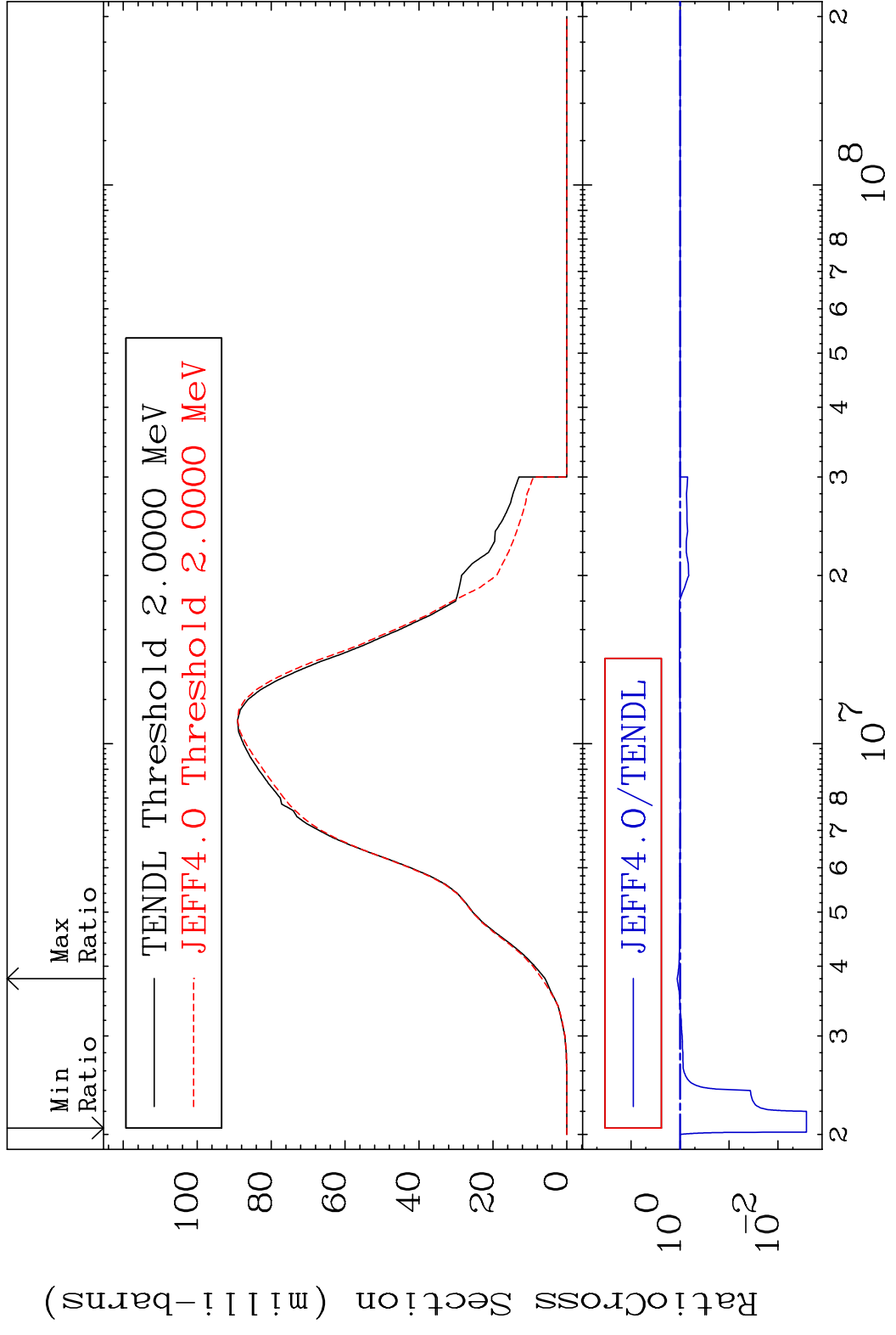
MAT 2225 (n,2n) p:21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section Ratio 0.000 %



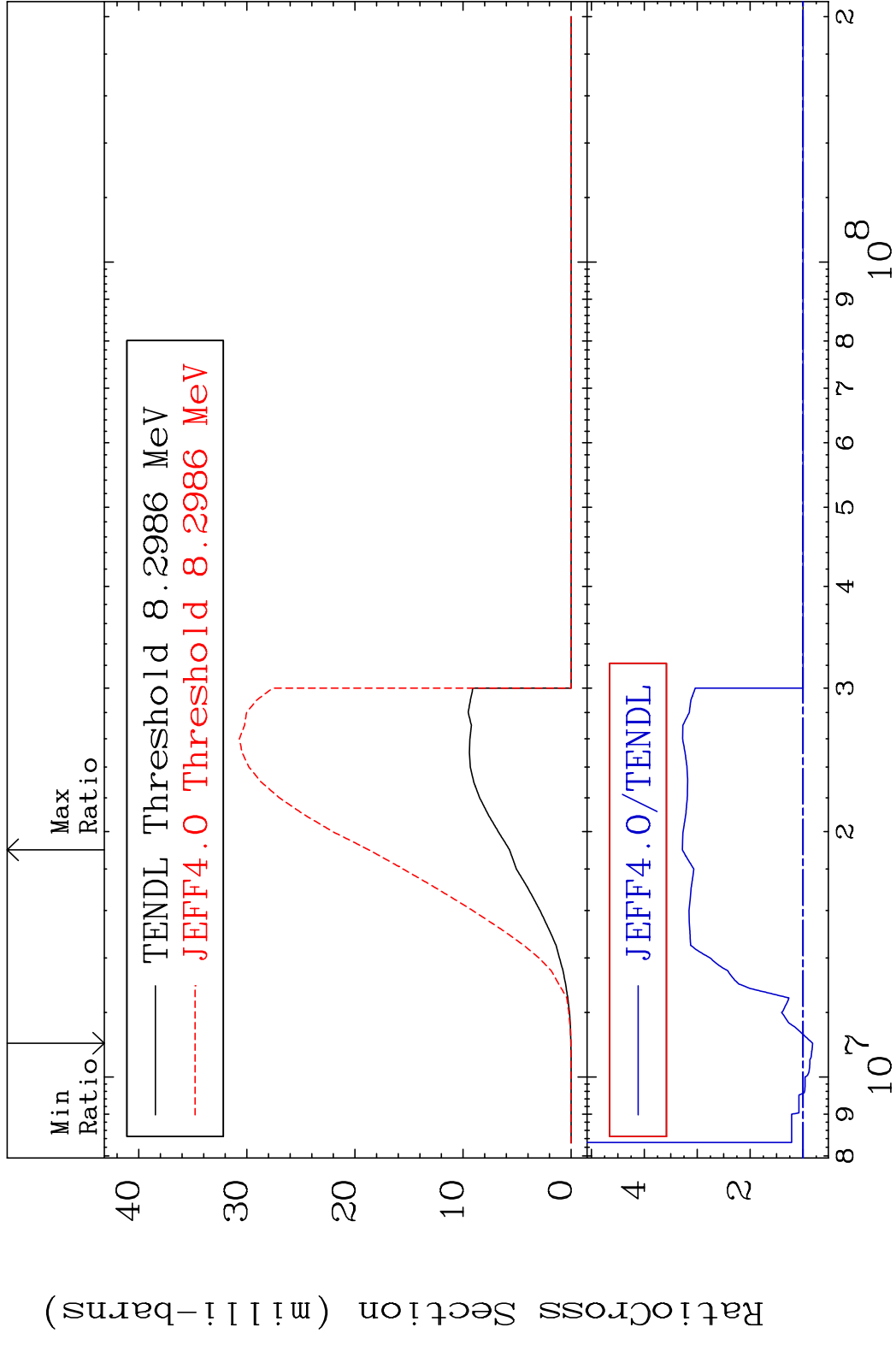
MAT 2225 (n, p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section 98.58 dth 12.88 %

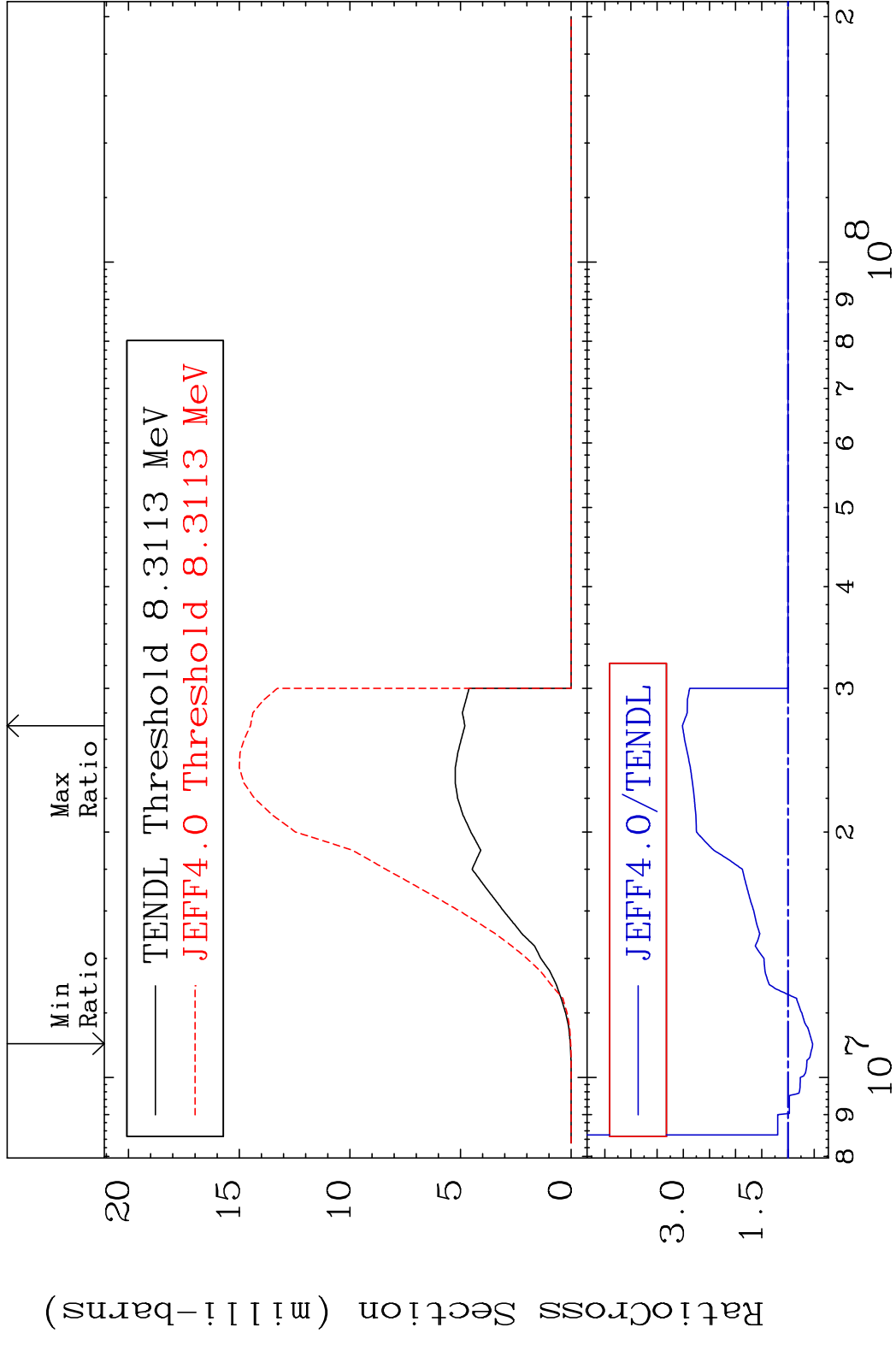


MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section 98.74 dth 14.41 %

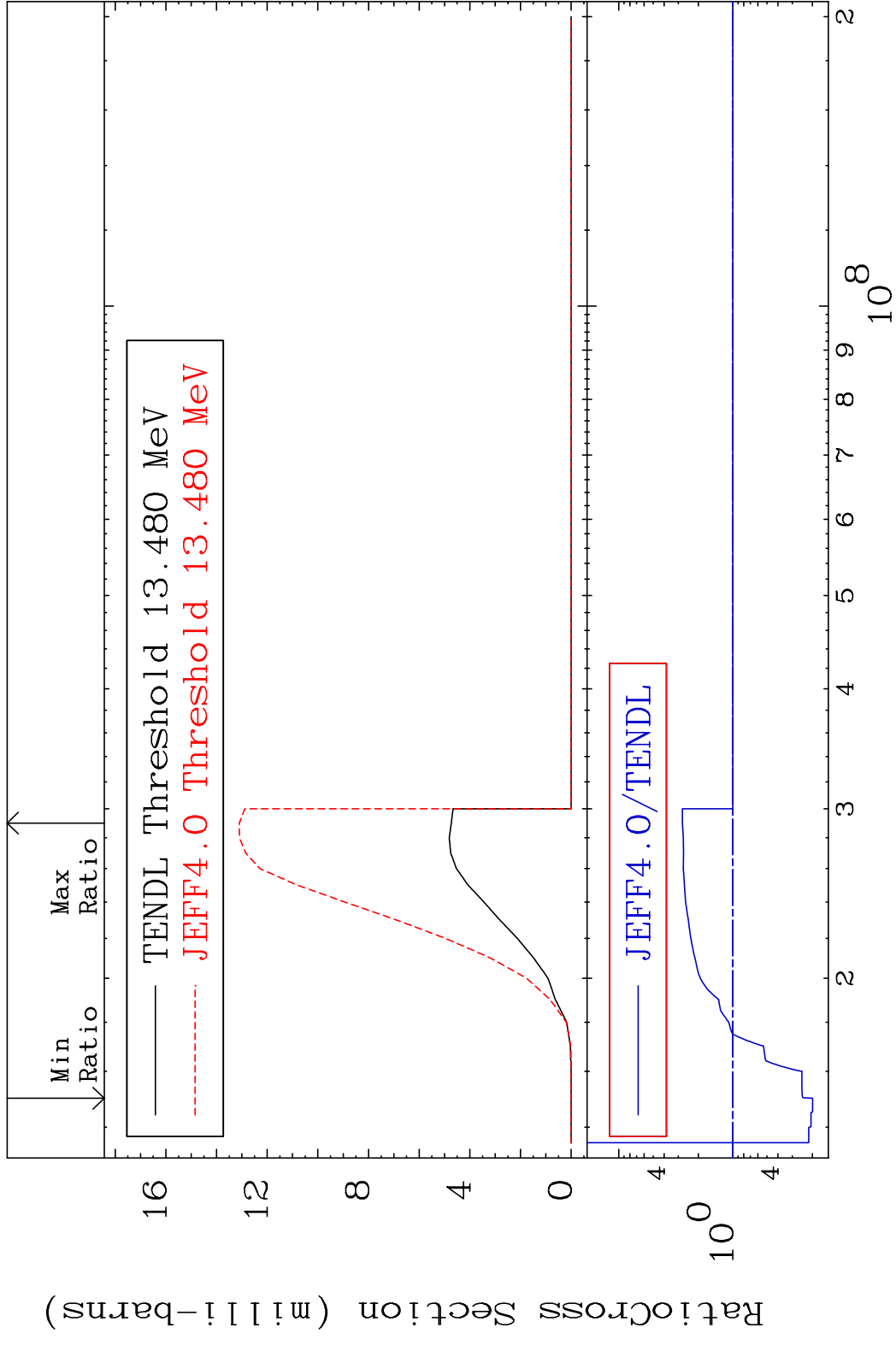


MAT 2225 (n,d):21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 19685 dth 228.2 %





MAT 2225 (n, t):21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 176.9 %



MAT 2225 (n,t):21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section 118.0 %

