

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

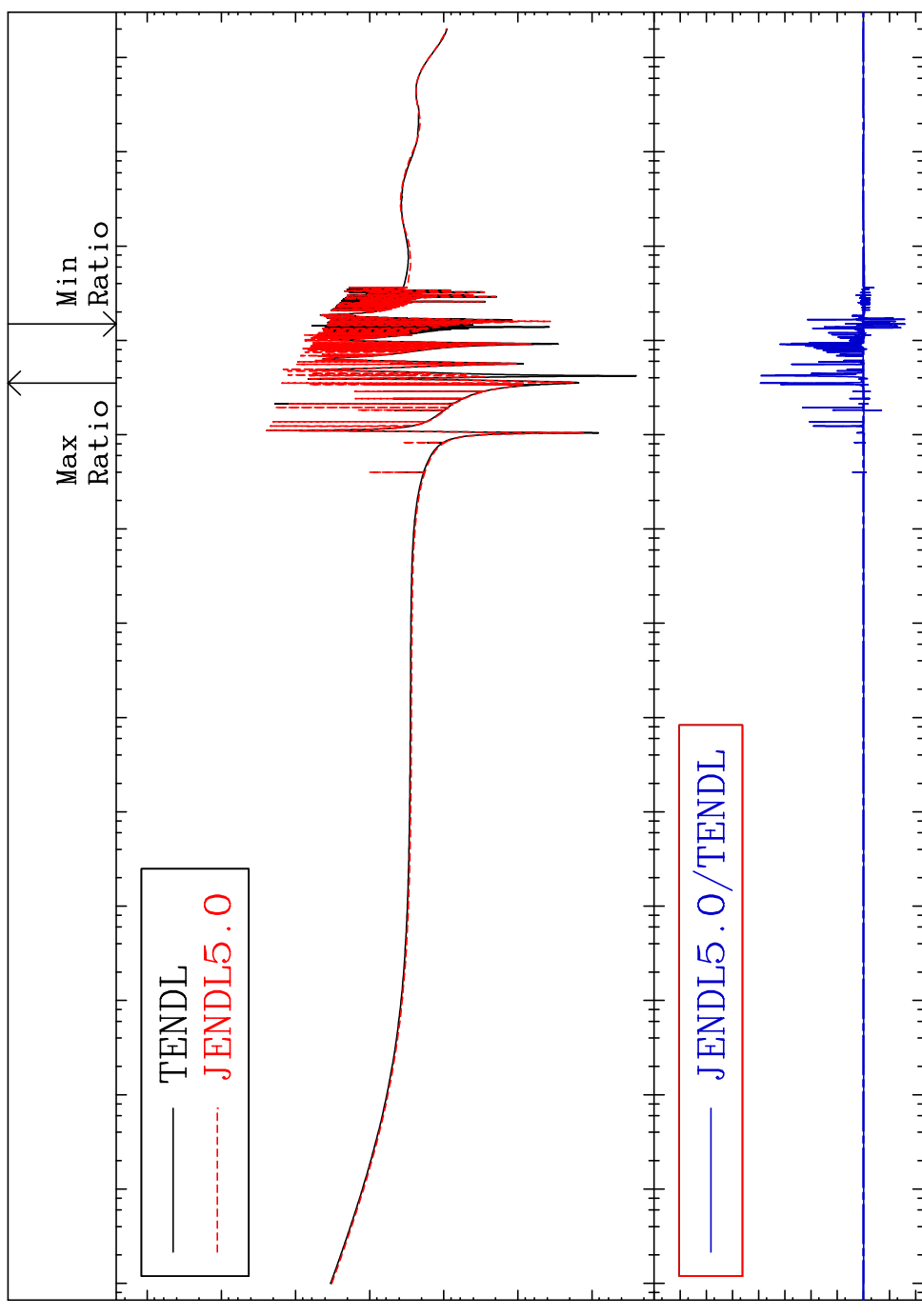
MAT 2225

Total

22-Ti-46

Cross Section

-97.50 To 9999. %



Cross Section (barns)

Ratio

Incident Energy (eV)

1

22-Ti-46

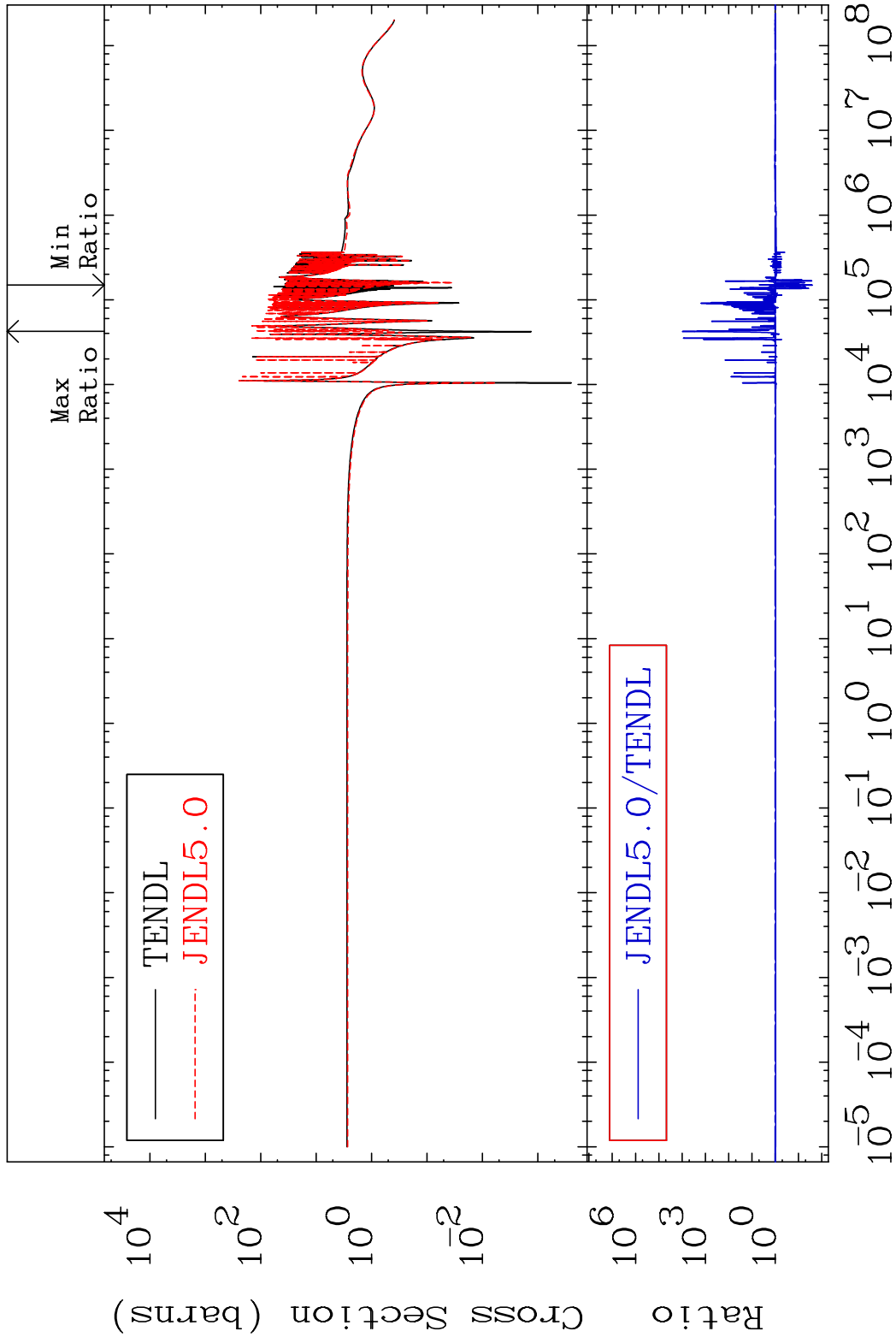
MAT 2225

Elastic

22-Ti-46

Cross Section

-97.50 To 9999. %

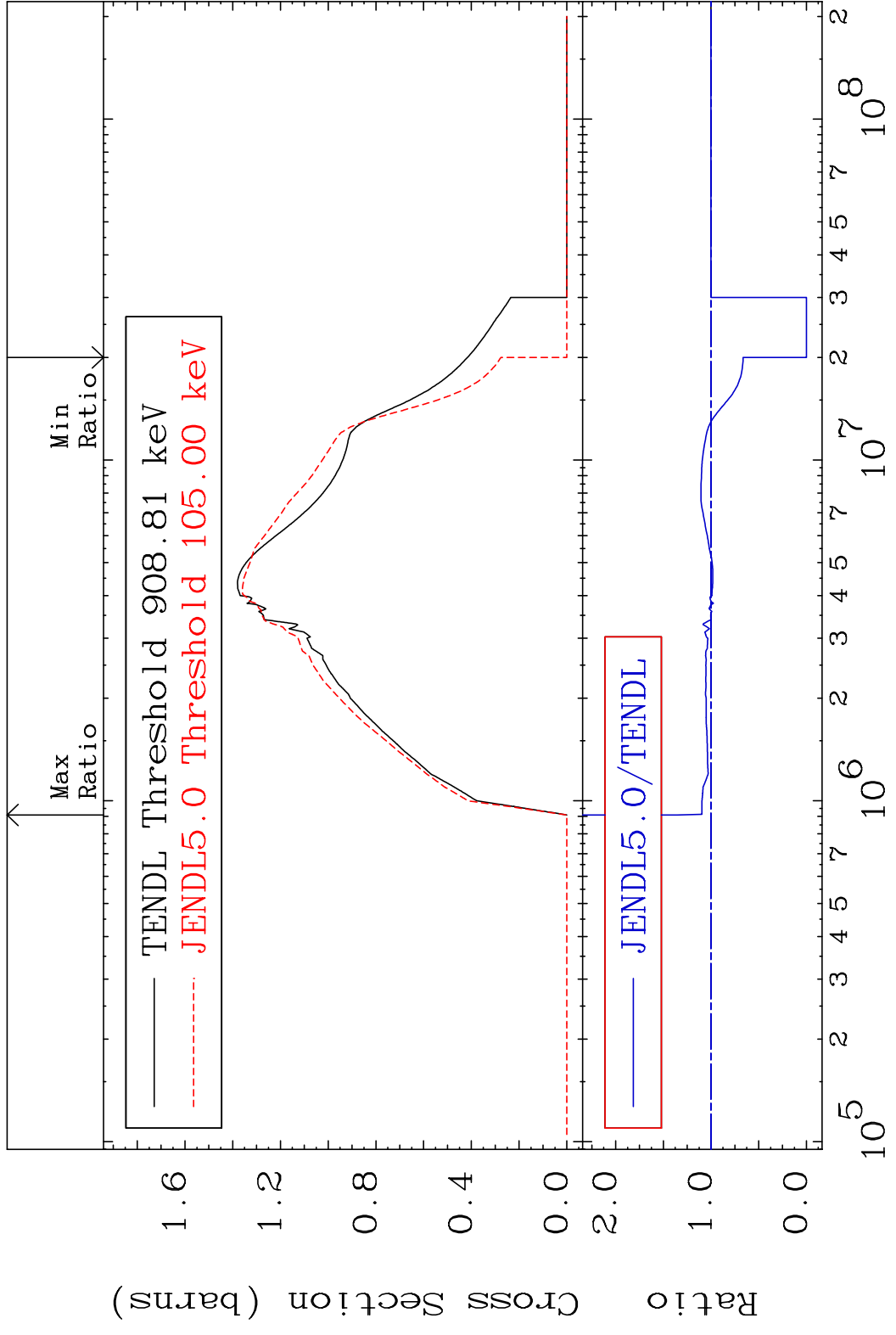


2

Incident Energy (eV)

22-Ti-46

MAT 2225 Inelastic ²²Ti-46
 Cross Section -100.0 To 35.49 %



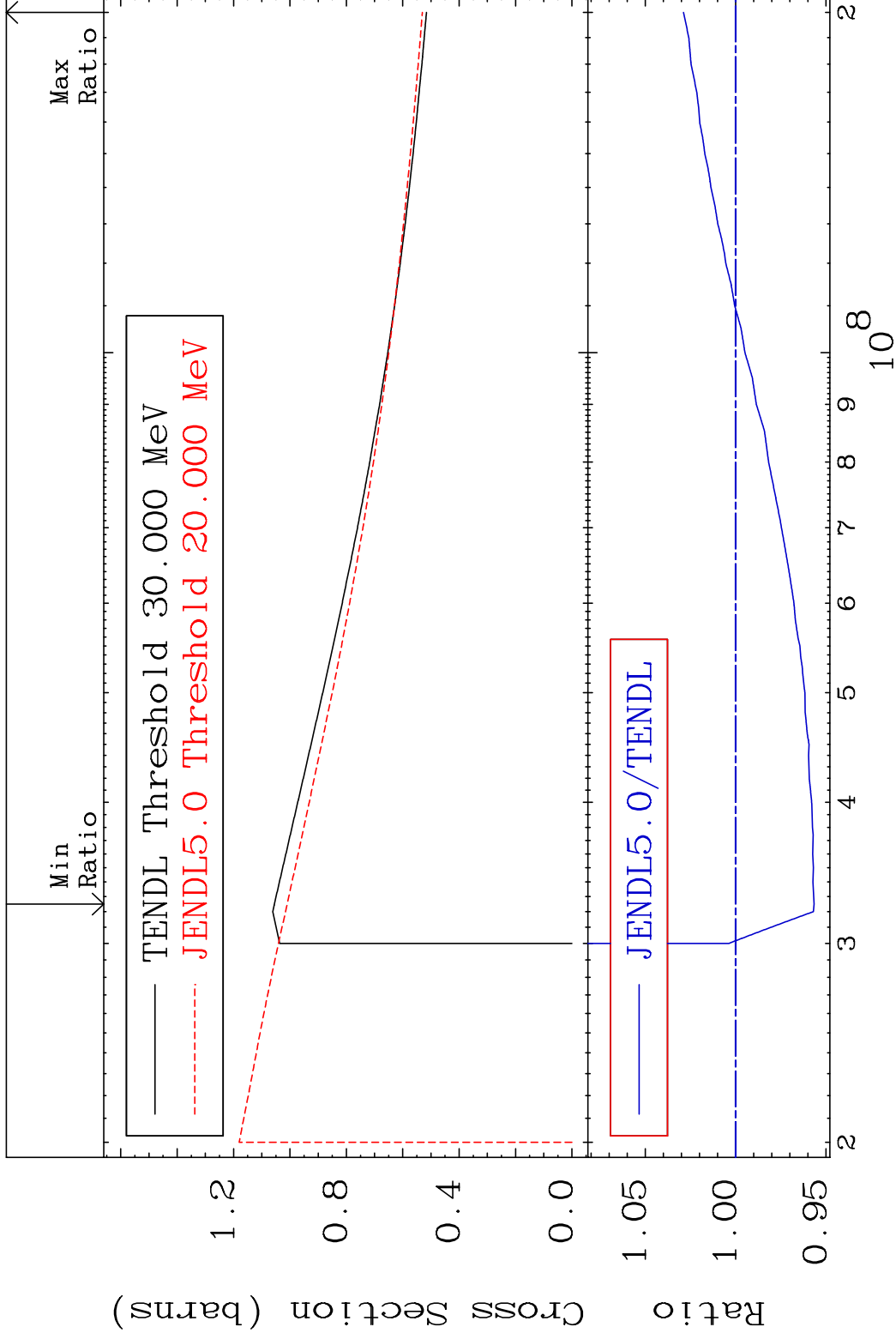
3 2 3 4 5 7 10⁶ 2 3 4 5 7 10⁷ 2 3 4 5 7 10⁸ 2
 3 Incident Energy (eV) ²²Ti-46

MAT 2225

(n, remainder)

22-Ti-46

Cross Section -4.337 To 2.889 %

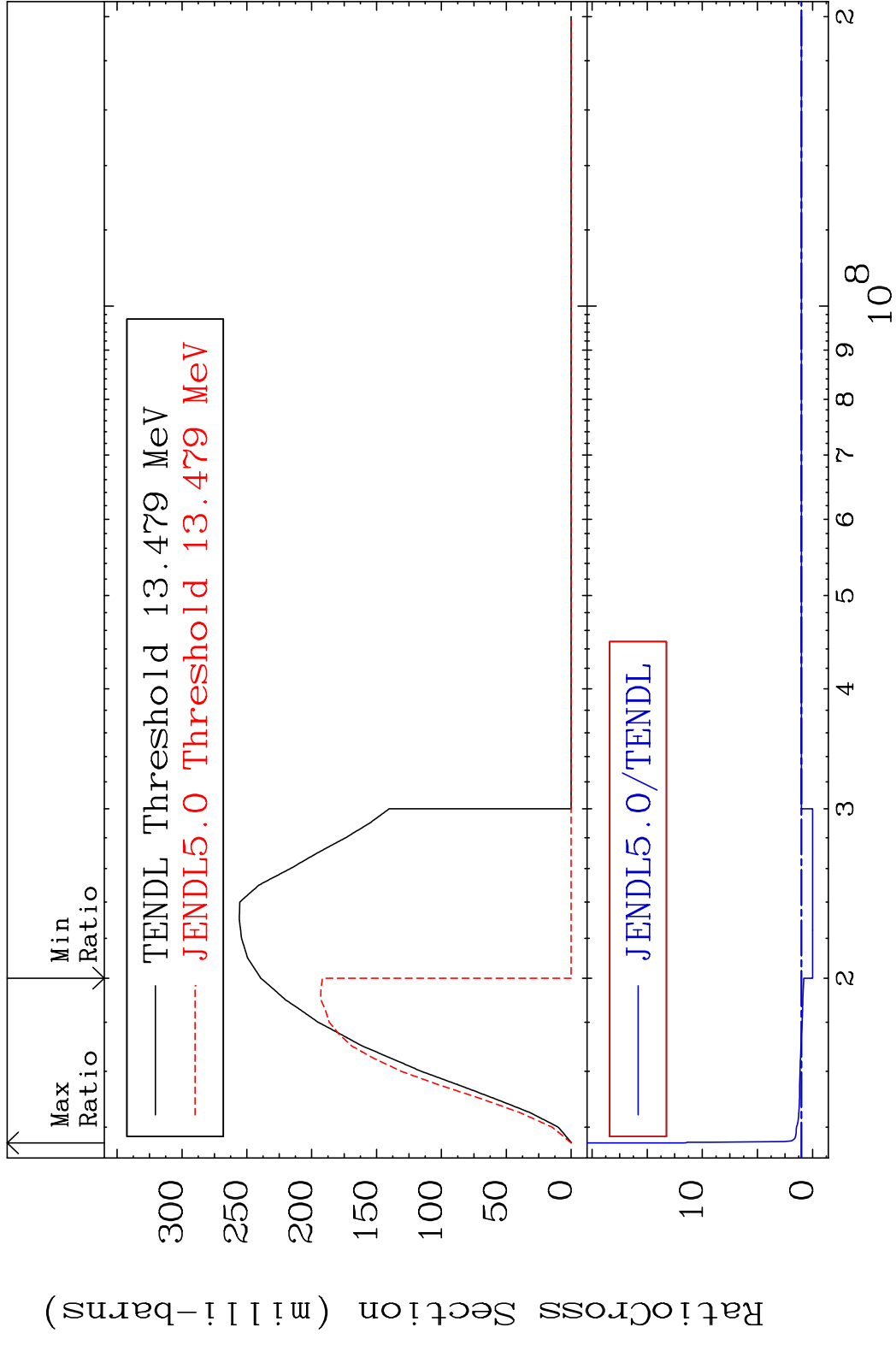


4

Incident Energy (eV)

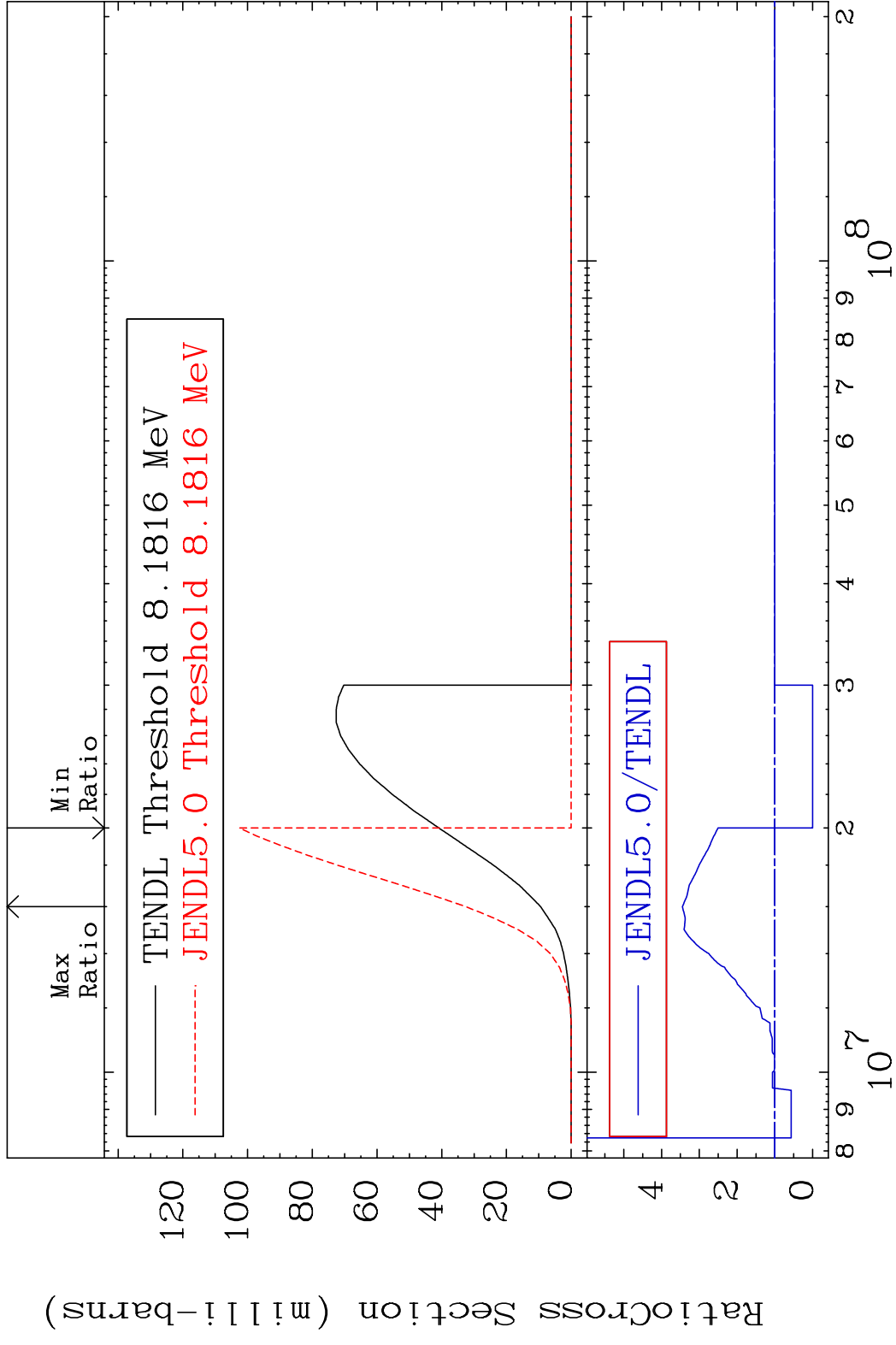
22-Ti-46

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



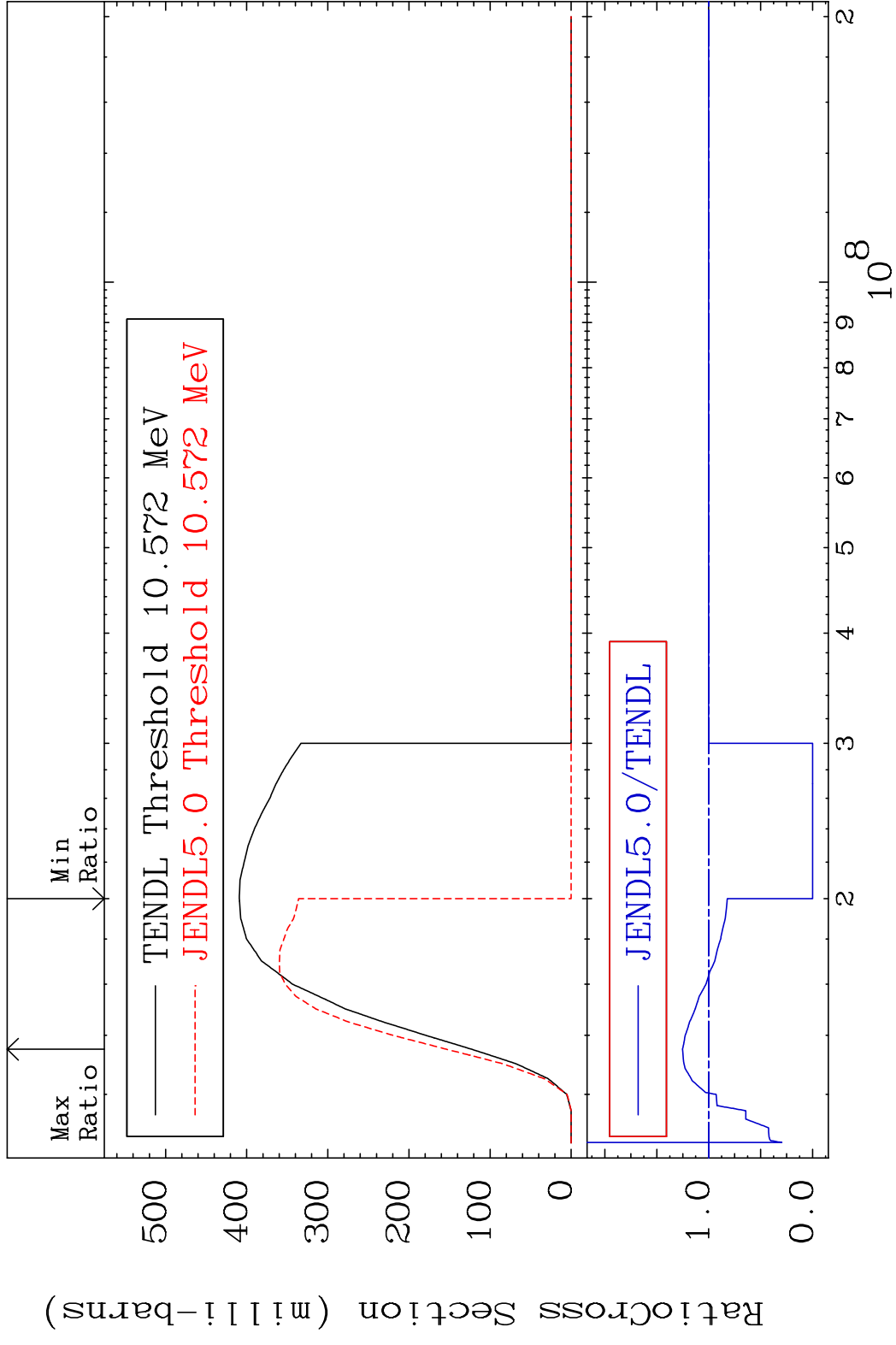
5 Incident Energy (eV) 22-Ti-46

MAT 2225 $(n, n') \alpha$ $^{22}\text{Ti-46}$
 Cross Section -100.0 To 244.9 %

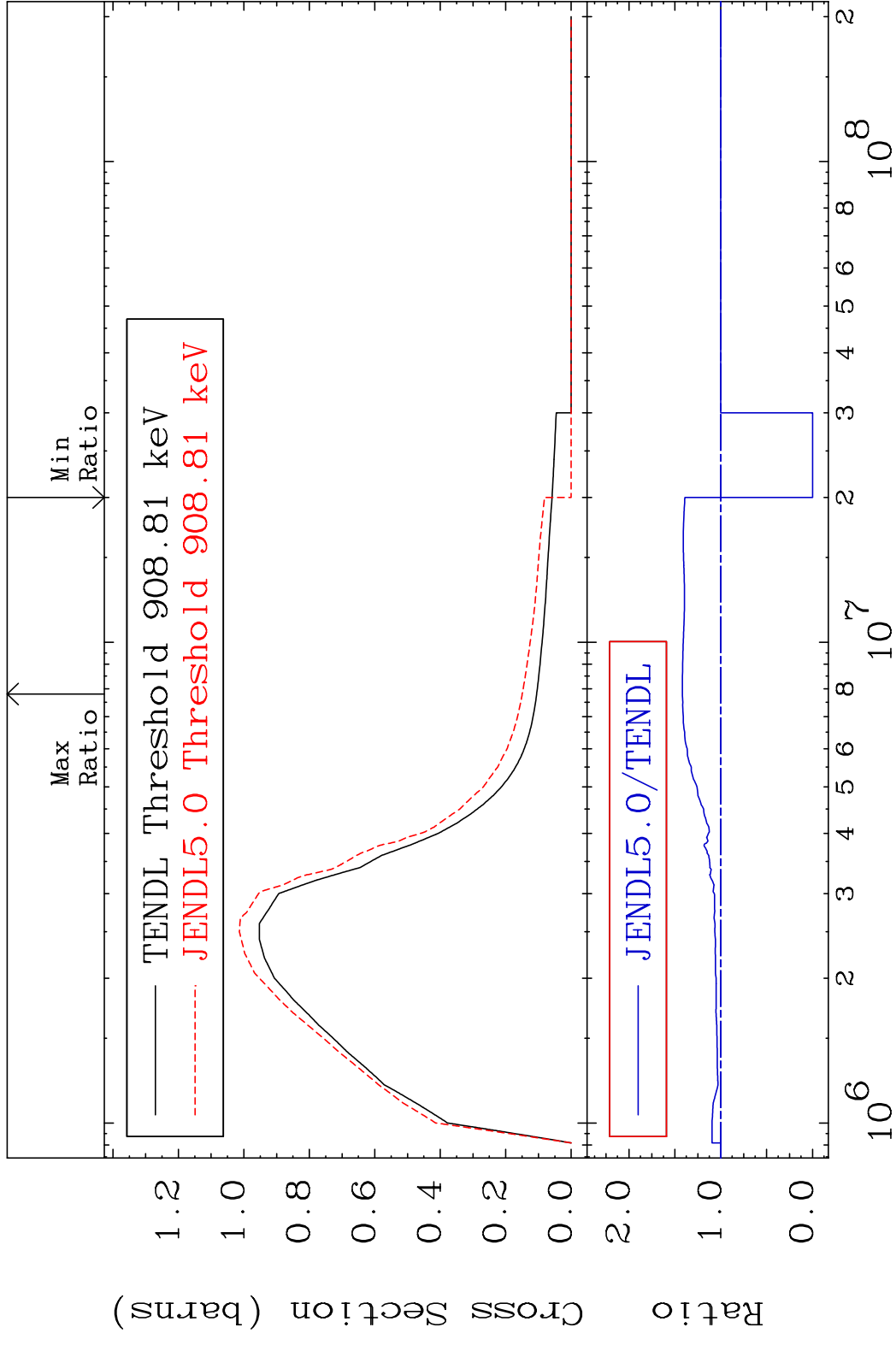


6 6 Incident Energy (eV) $^{22}\text{Ti-46}$

MAT 2225 (n, n') p 22-Ti-46
 Cross Section -100.0 To 25.37 %

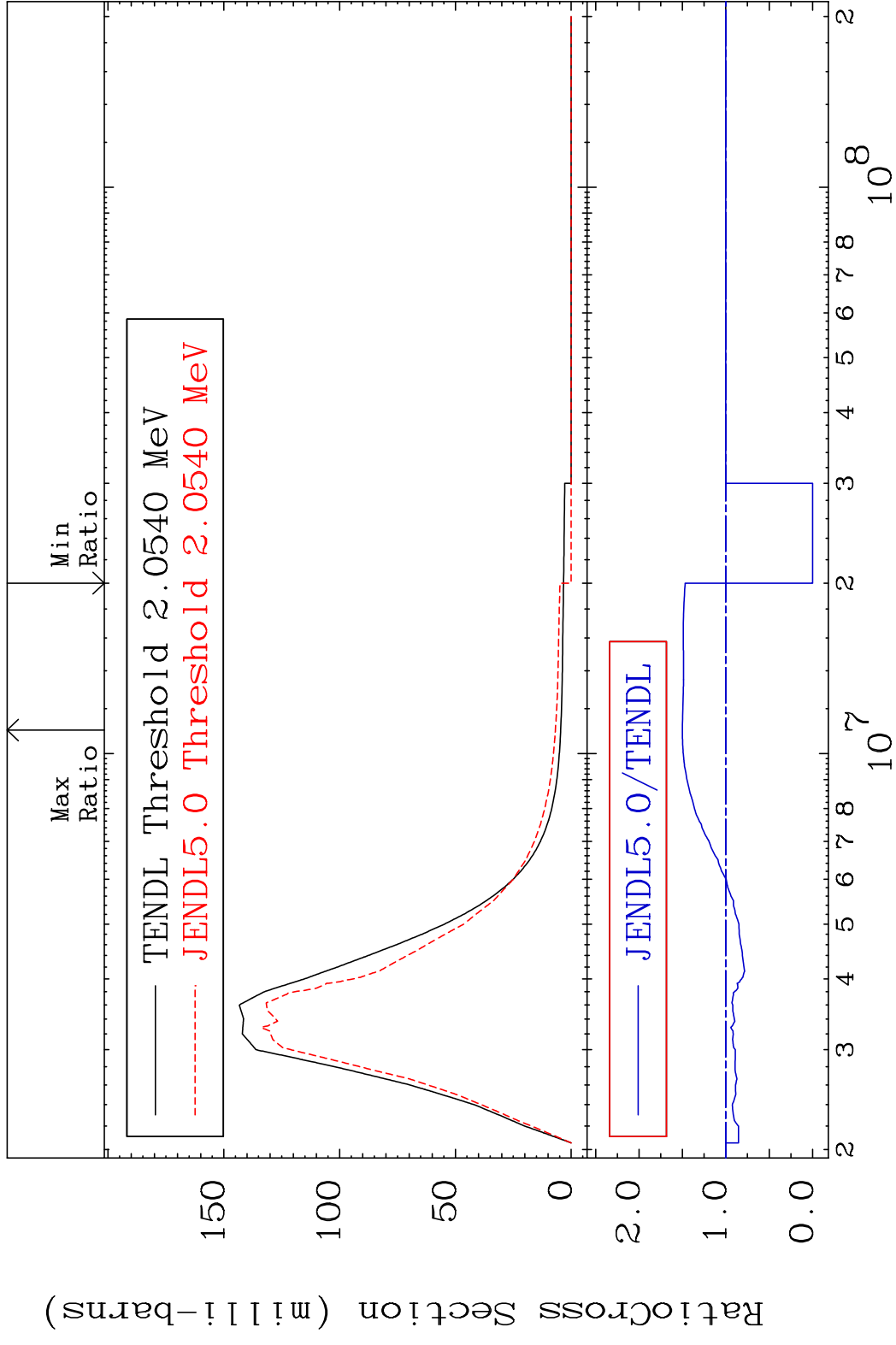


MAT 2225 MT= 51 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 41.80 %



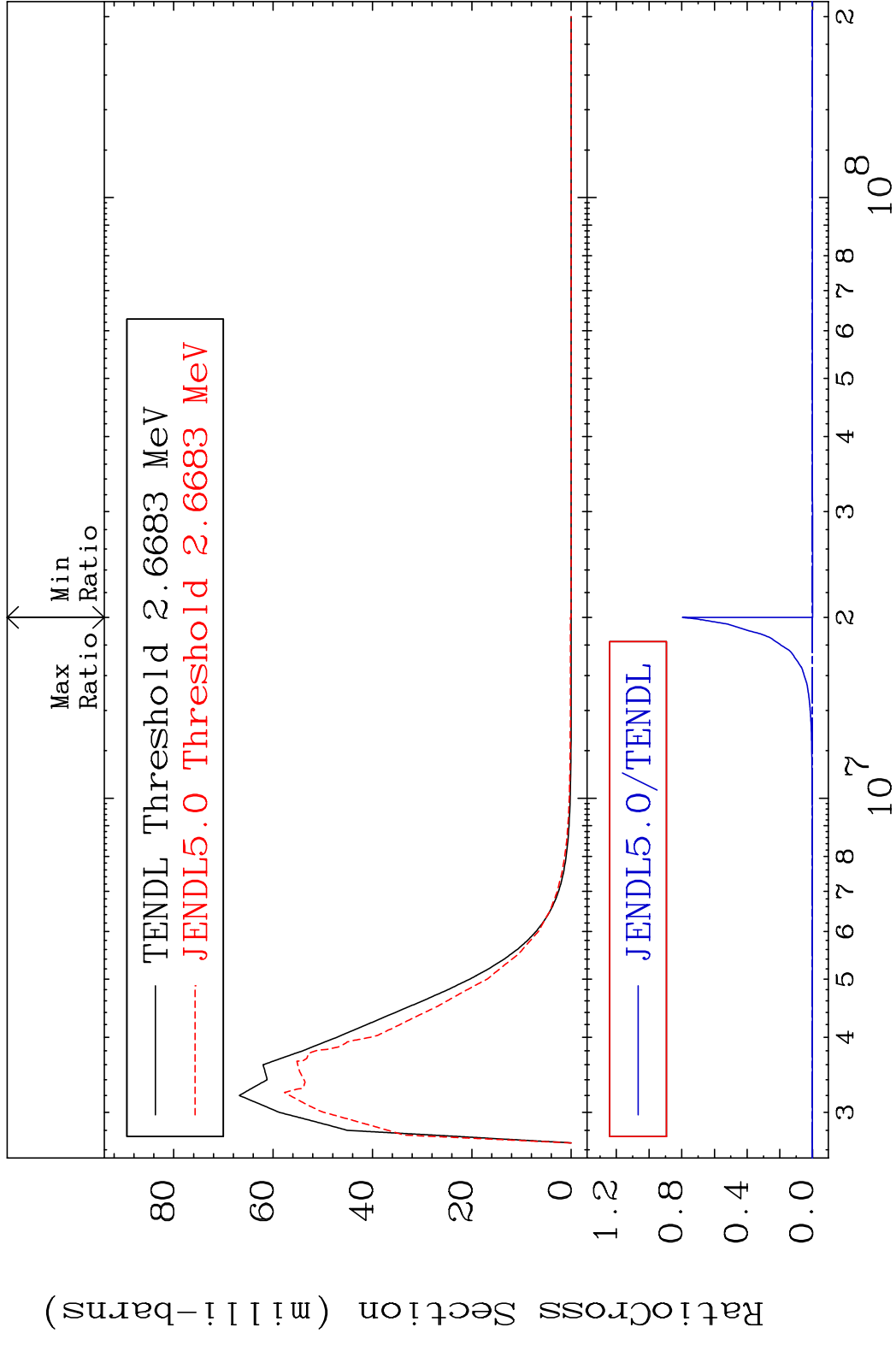
8 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 52 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 50.04 %



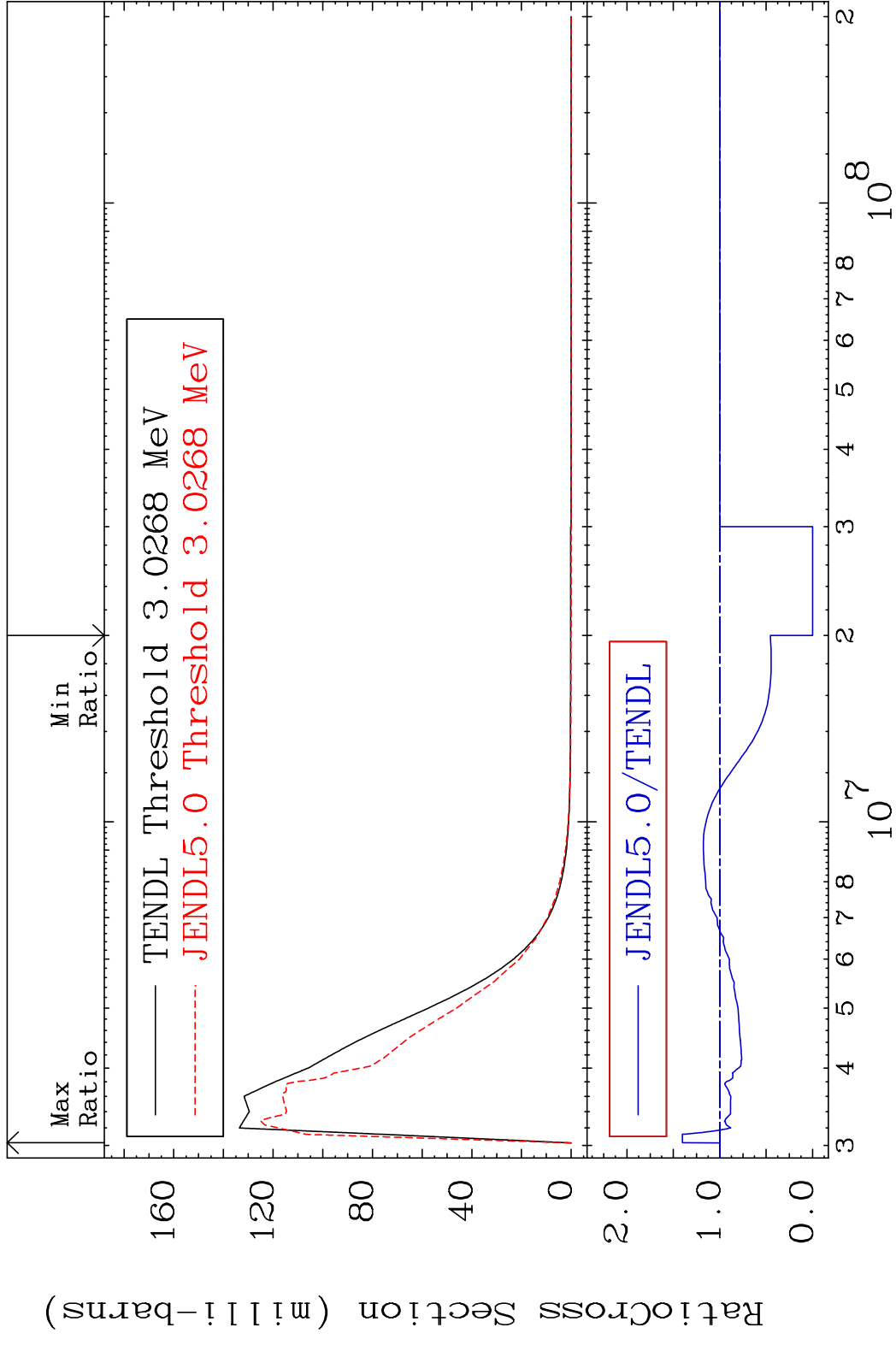
9 Incident Energy (eV) 22-Ti-46

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

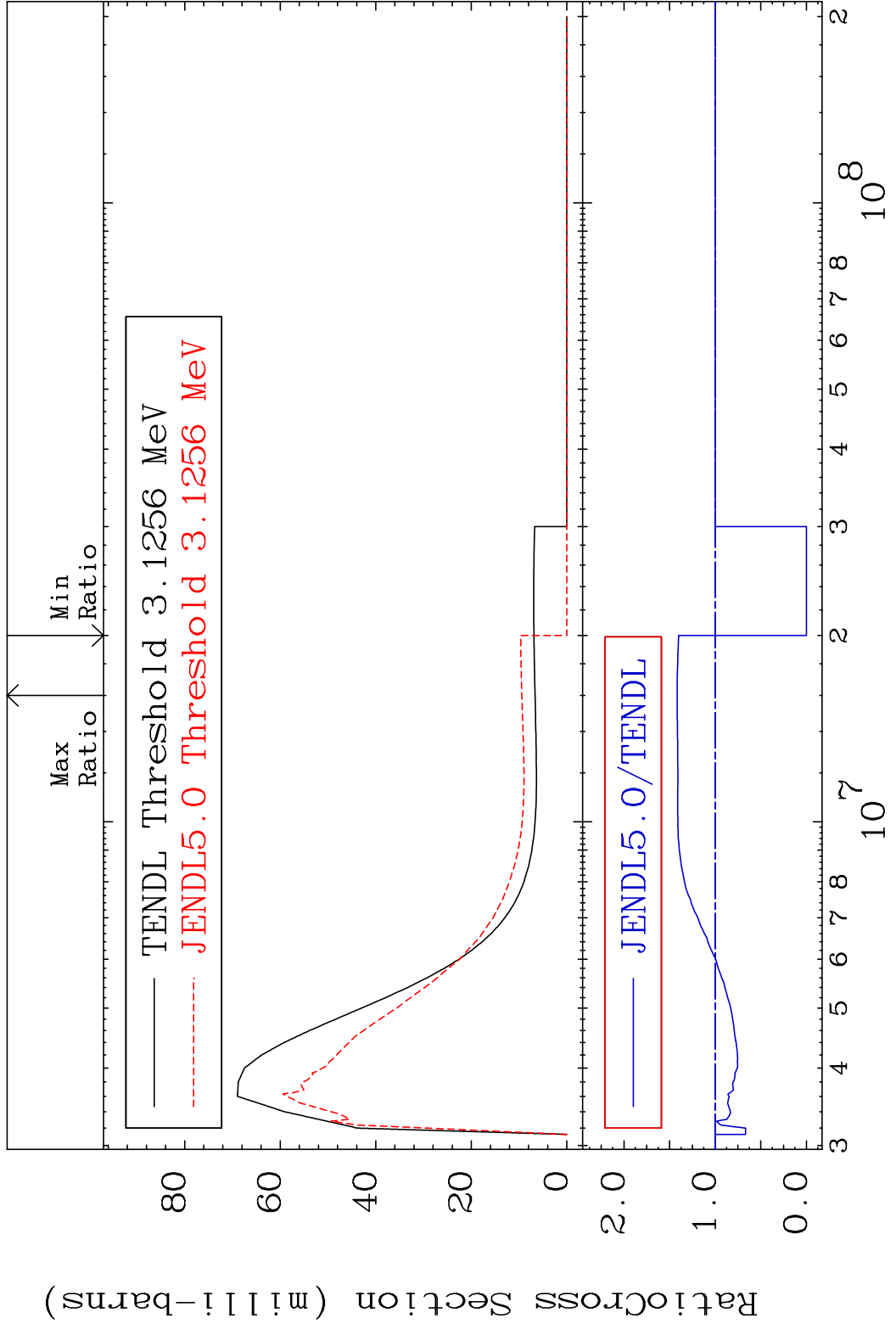


10 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 54 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 40.29 %

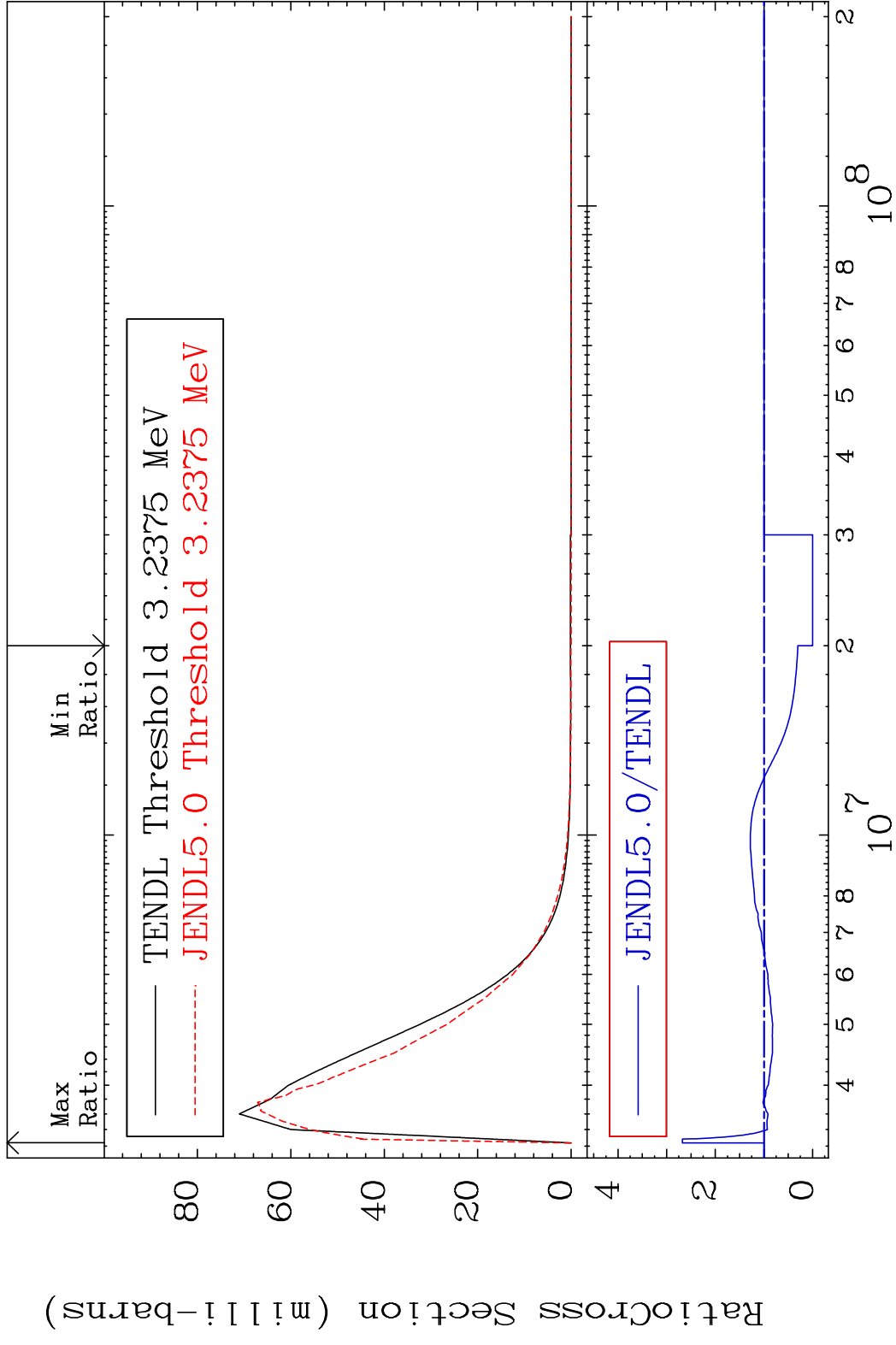


MAT 2225 MT= 55 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 41.64 %

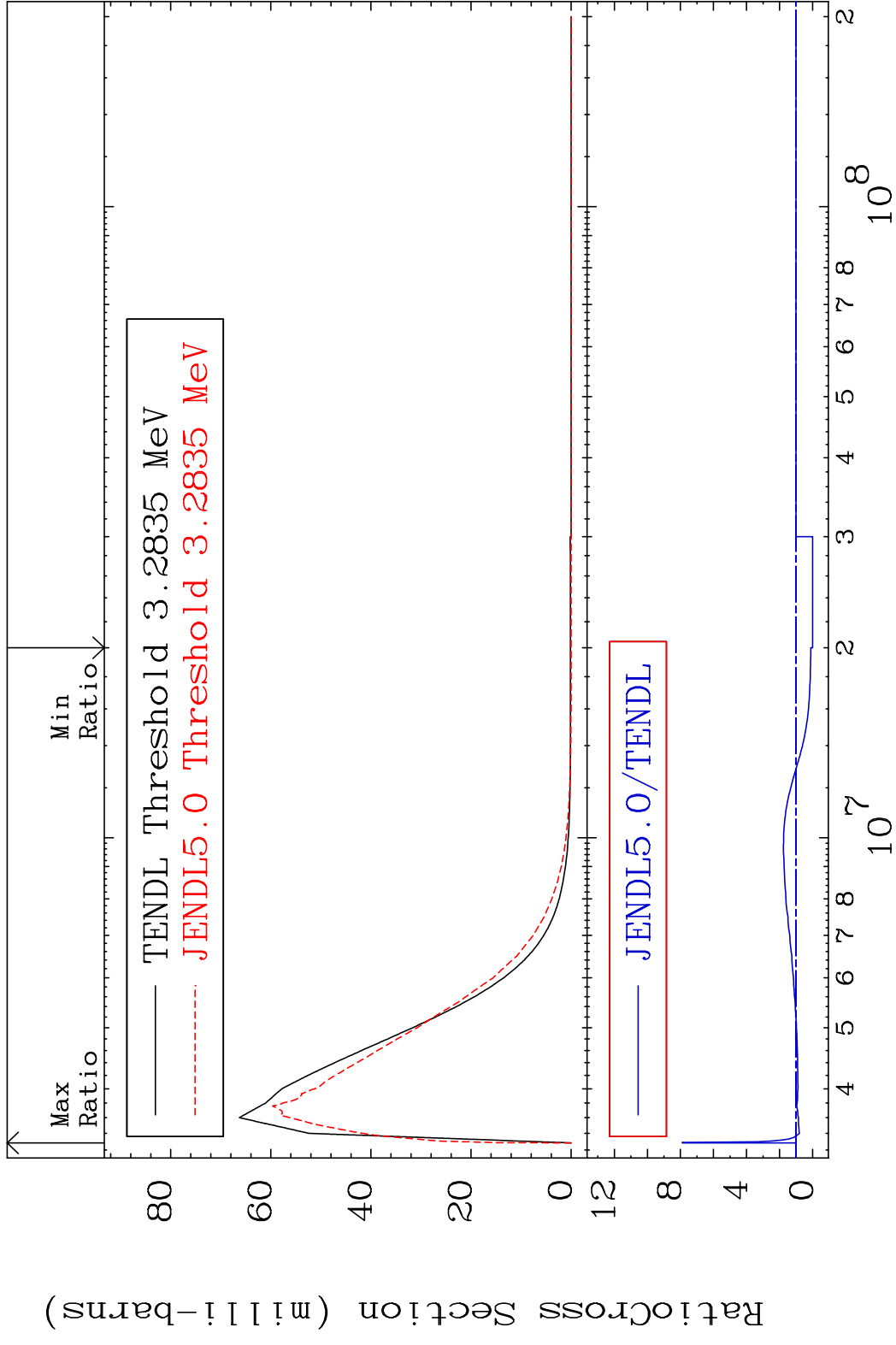


12 Incident Energy (eV) 22-Ti-46

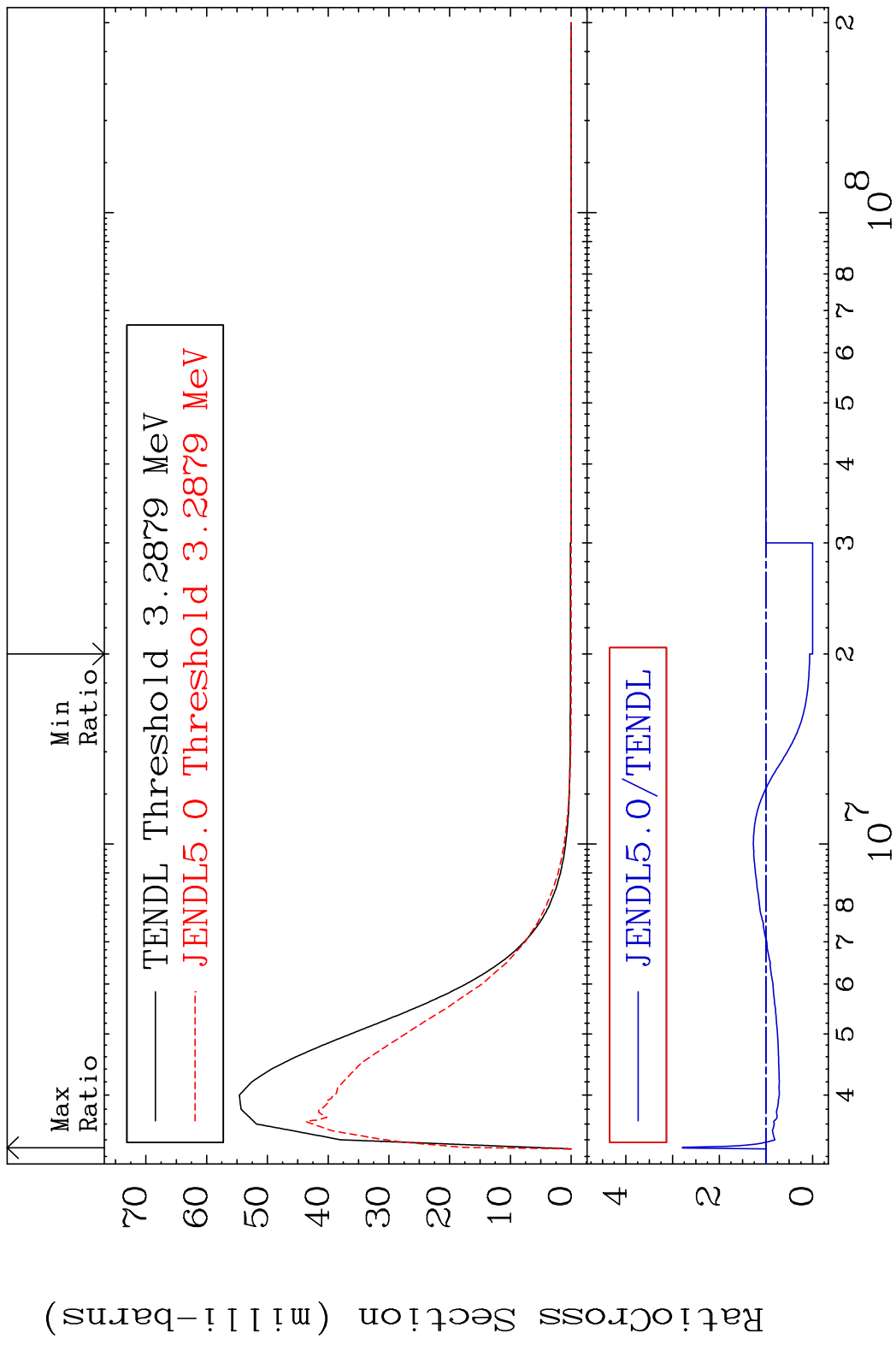
MAT 2225 MT= 56 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 167.8 %



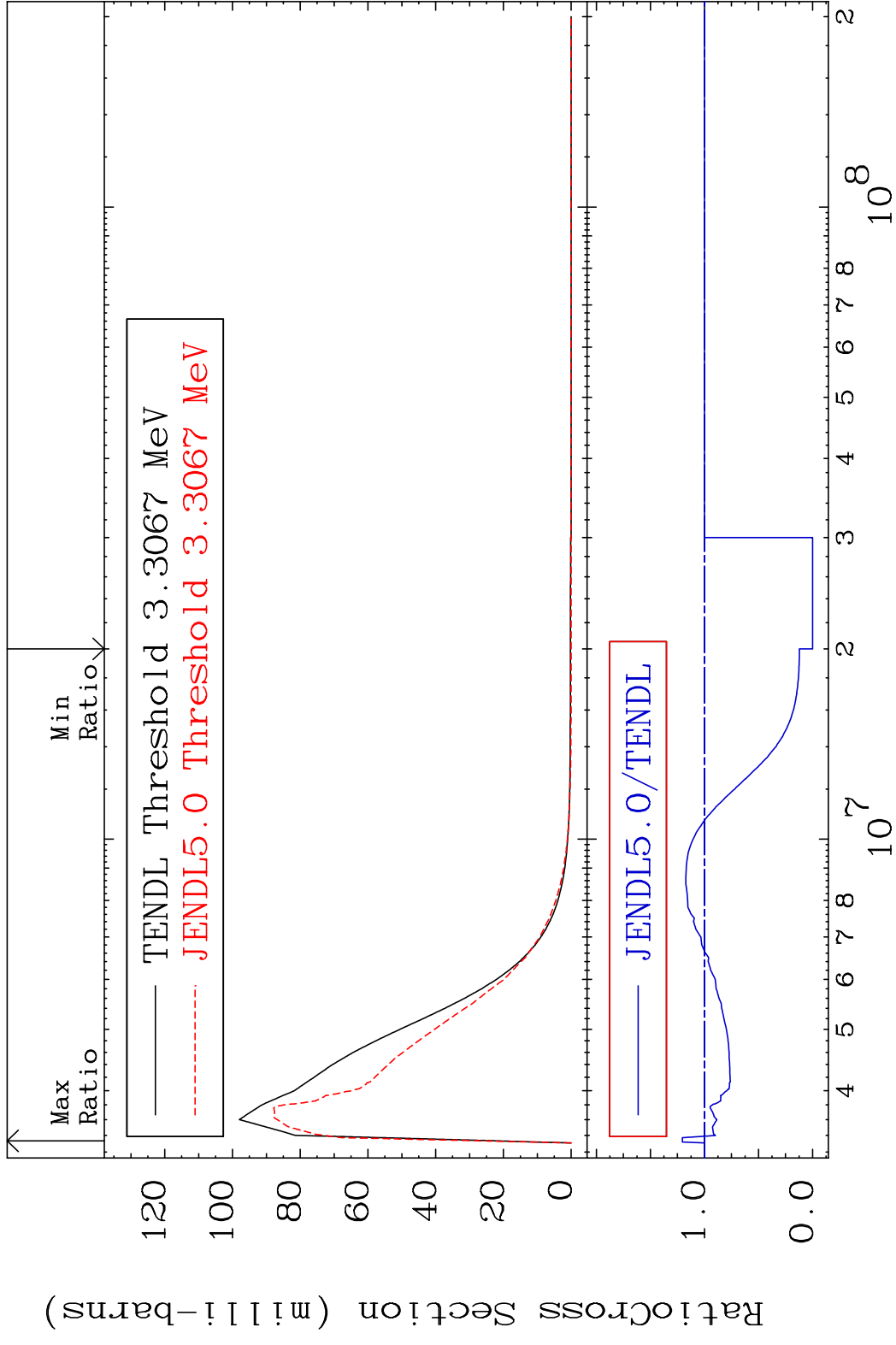
MAT 2225 MT= 57 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 688.4 %



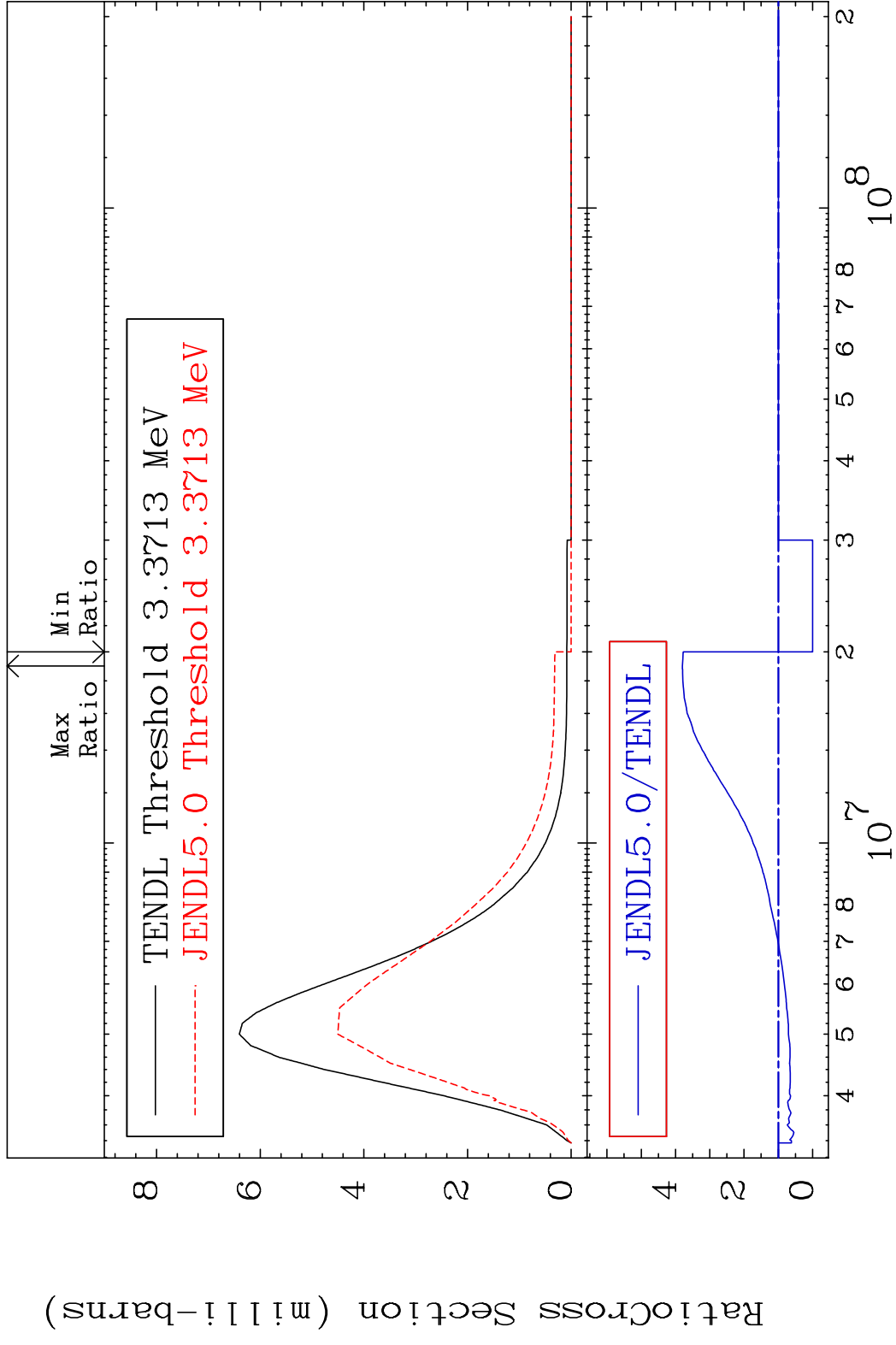
MAT 2225 MT= 58 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 179.1 %



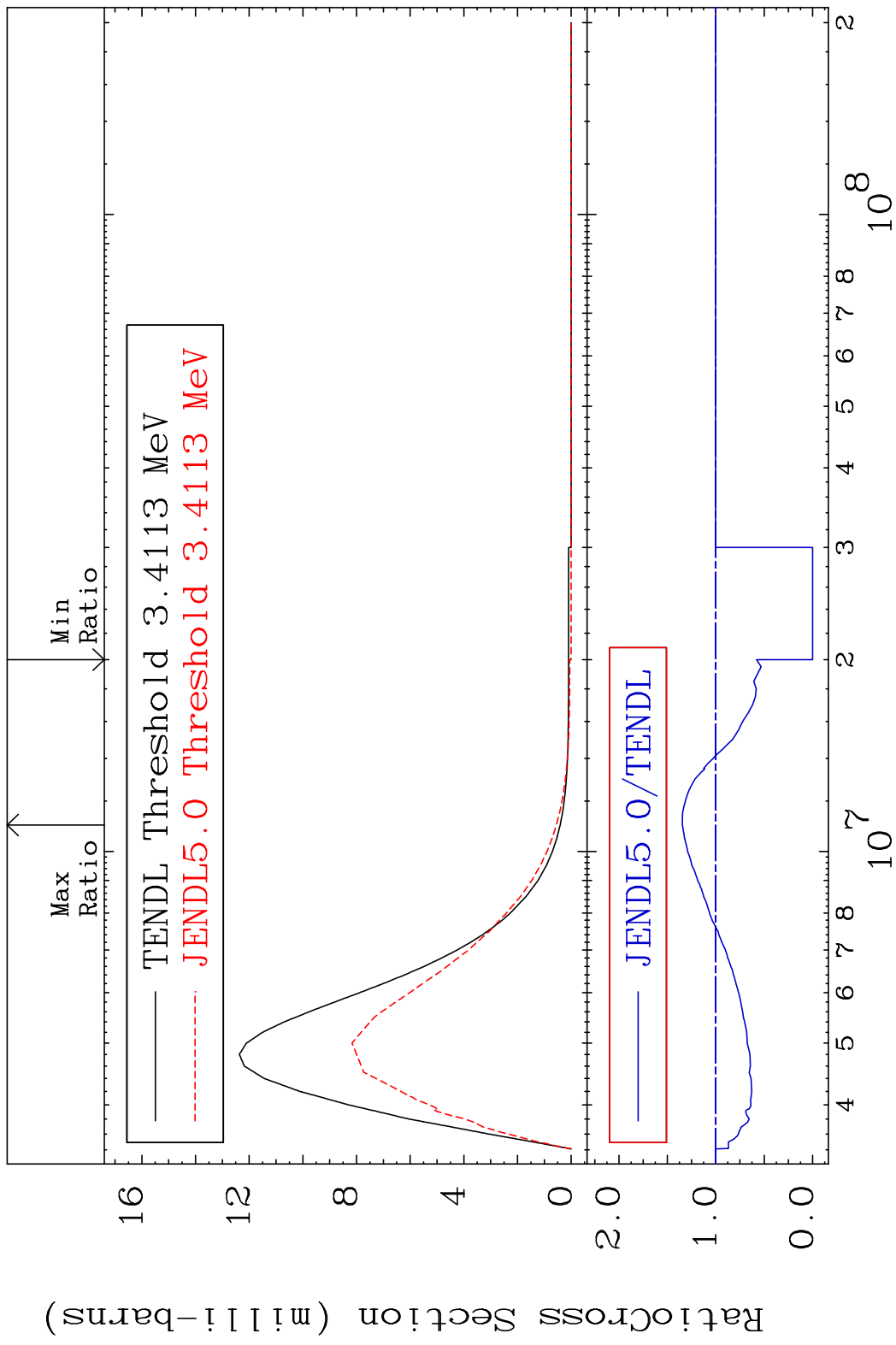
MAT 2225 MT= 59 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 20.48 %



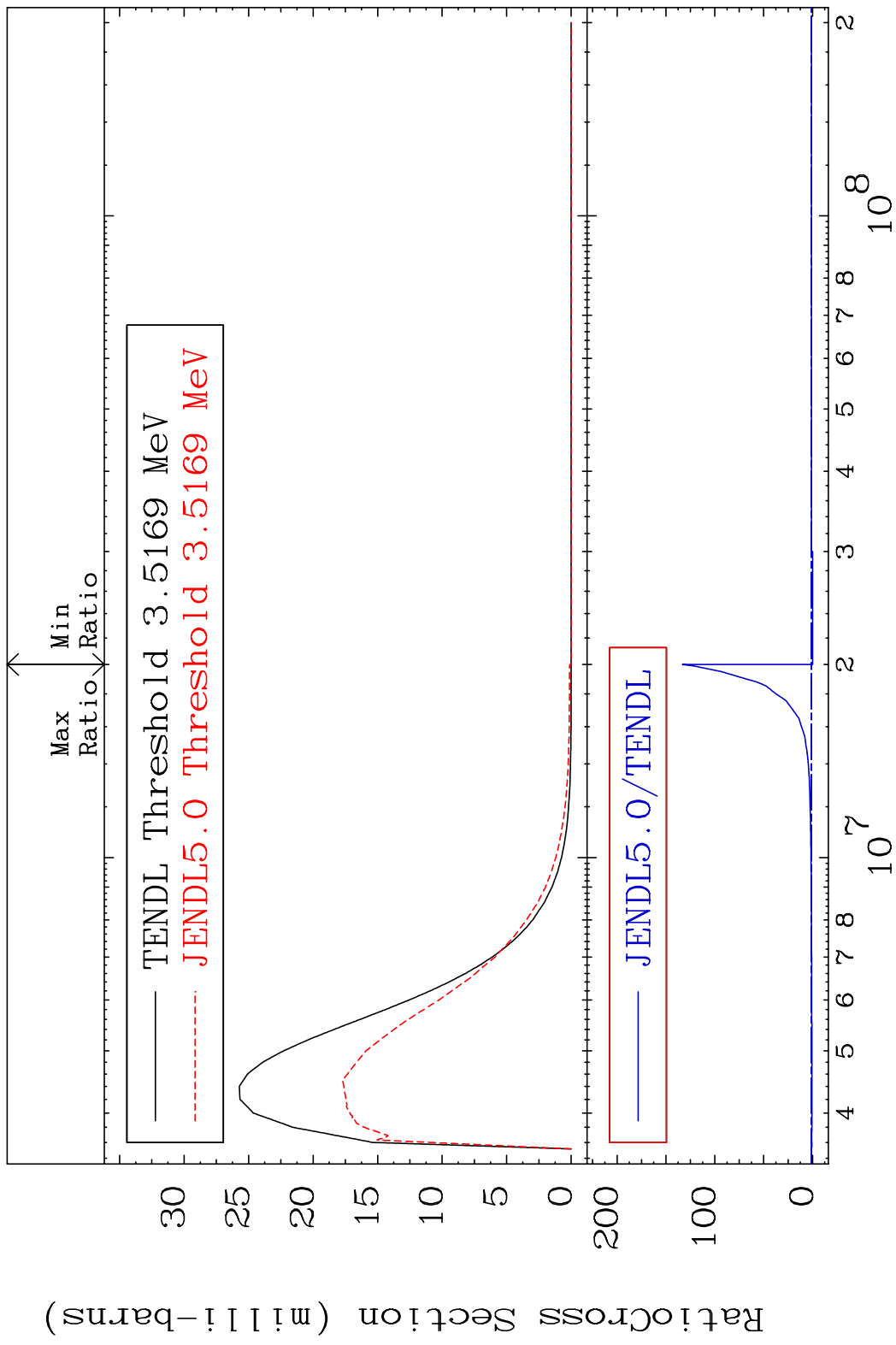
MAT 2225 MT= 60 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 280.0 %



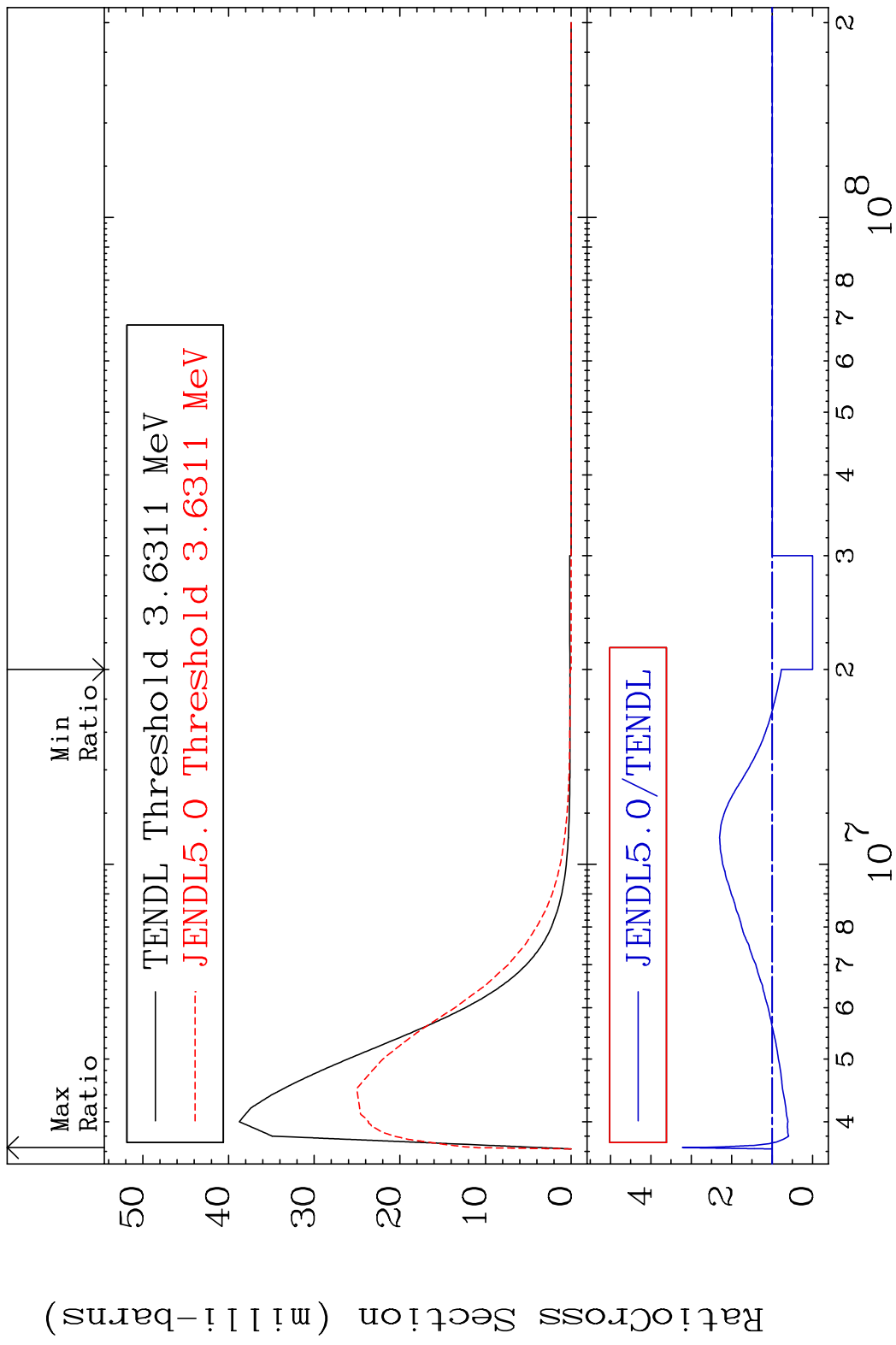
MAT 2225 MT= 61 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 34.51 %



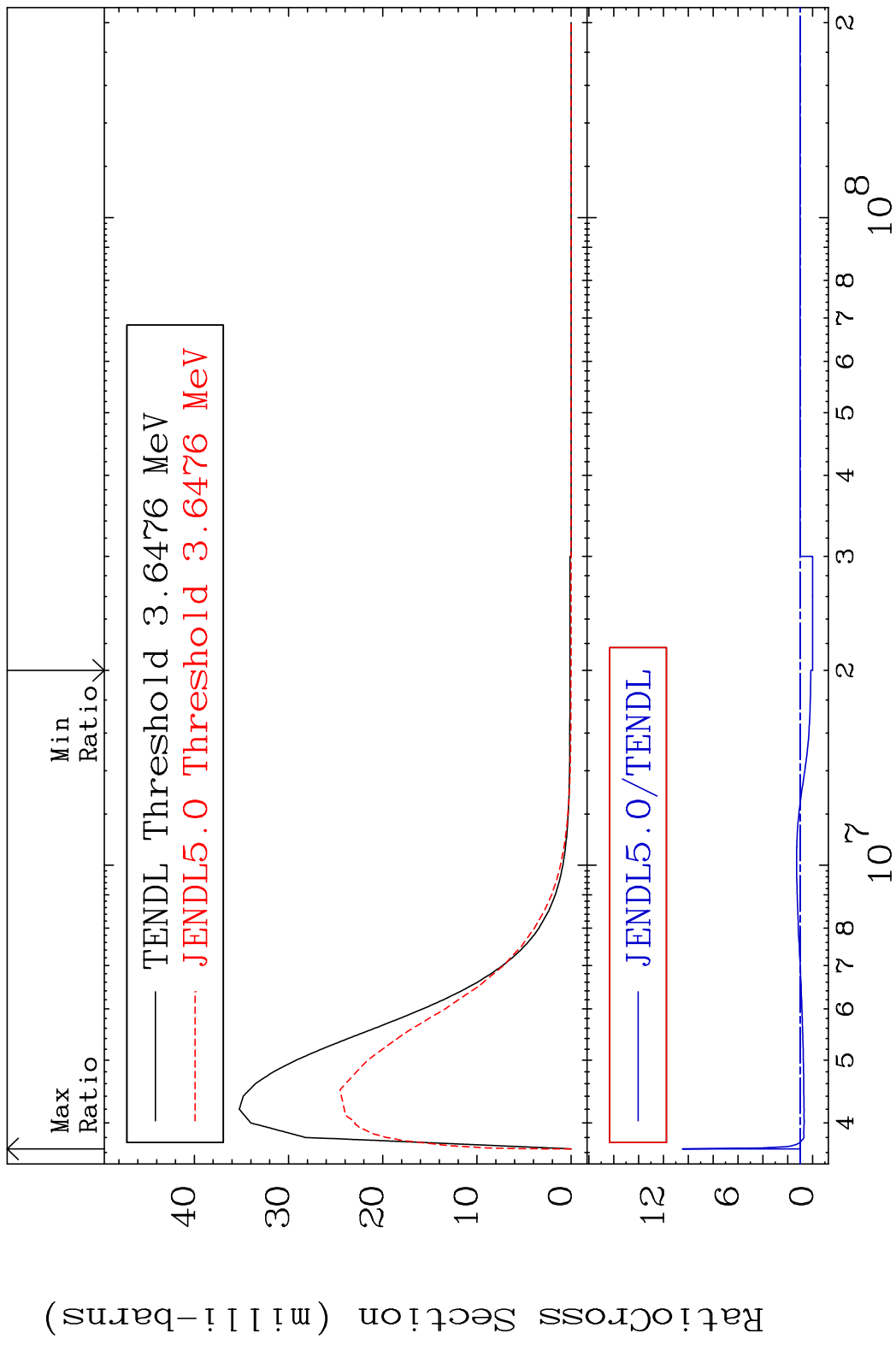
MAT 2225 MT= 62 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 9999. %



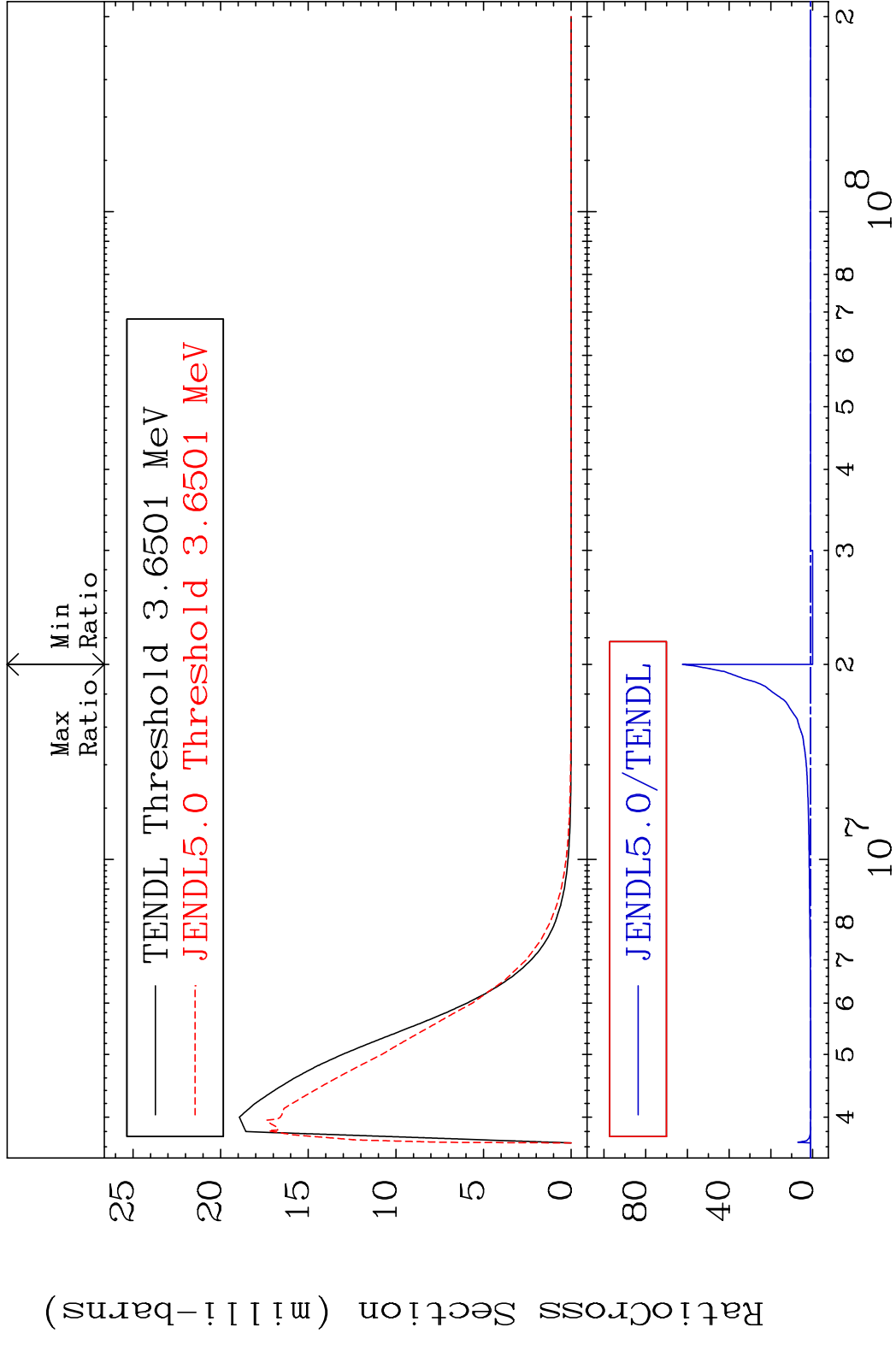
MAT 2225 MT= 63 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 222.1 %



MAT 2225 MT= 64 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 947.6 %

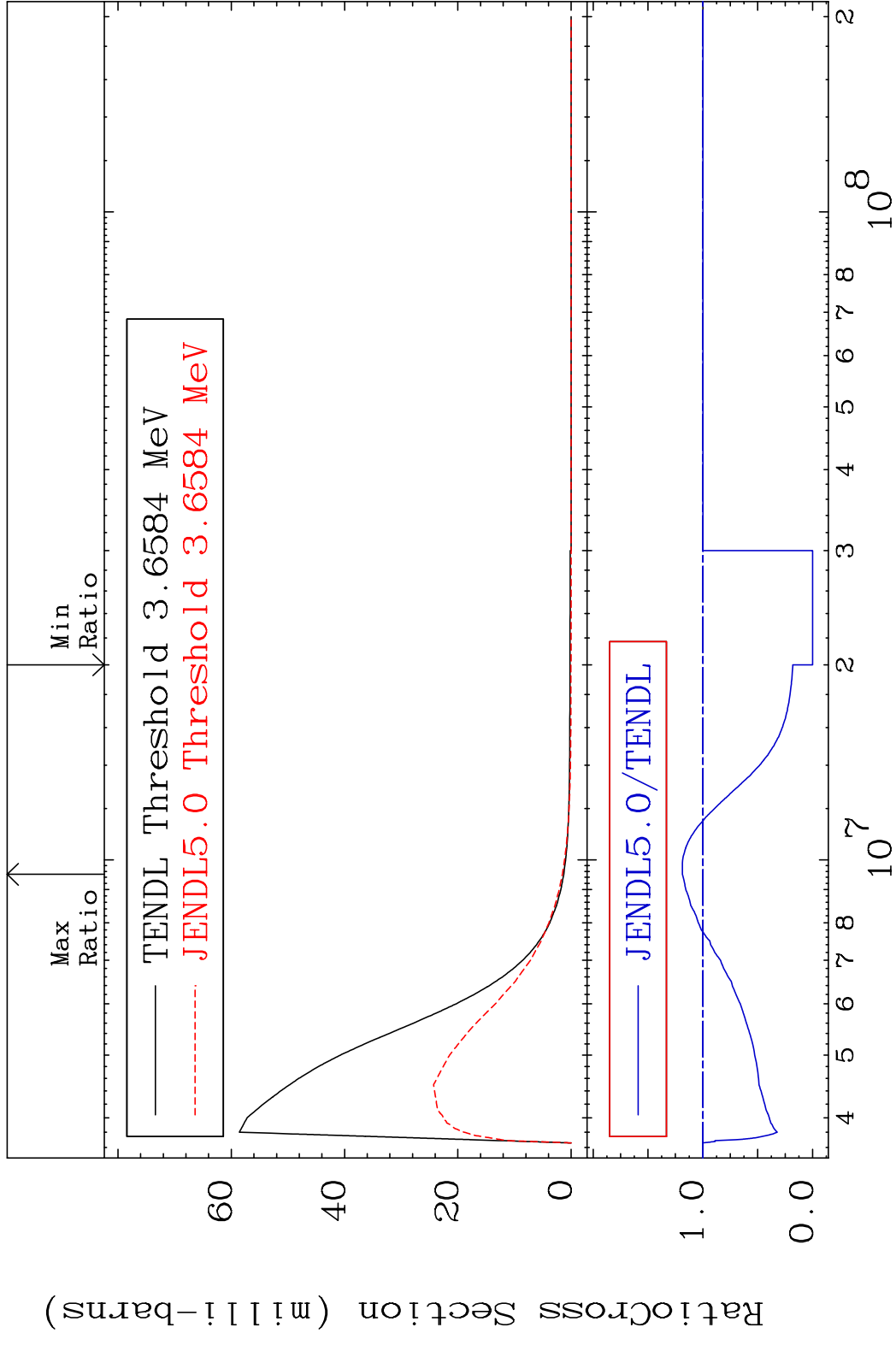


MAT 2225 MT= 65 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 6144. %

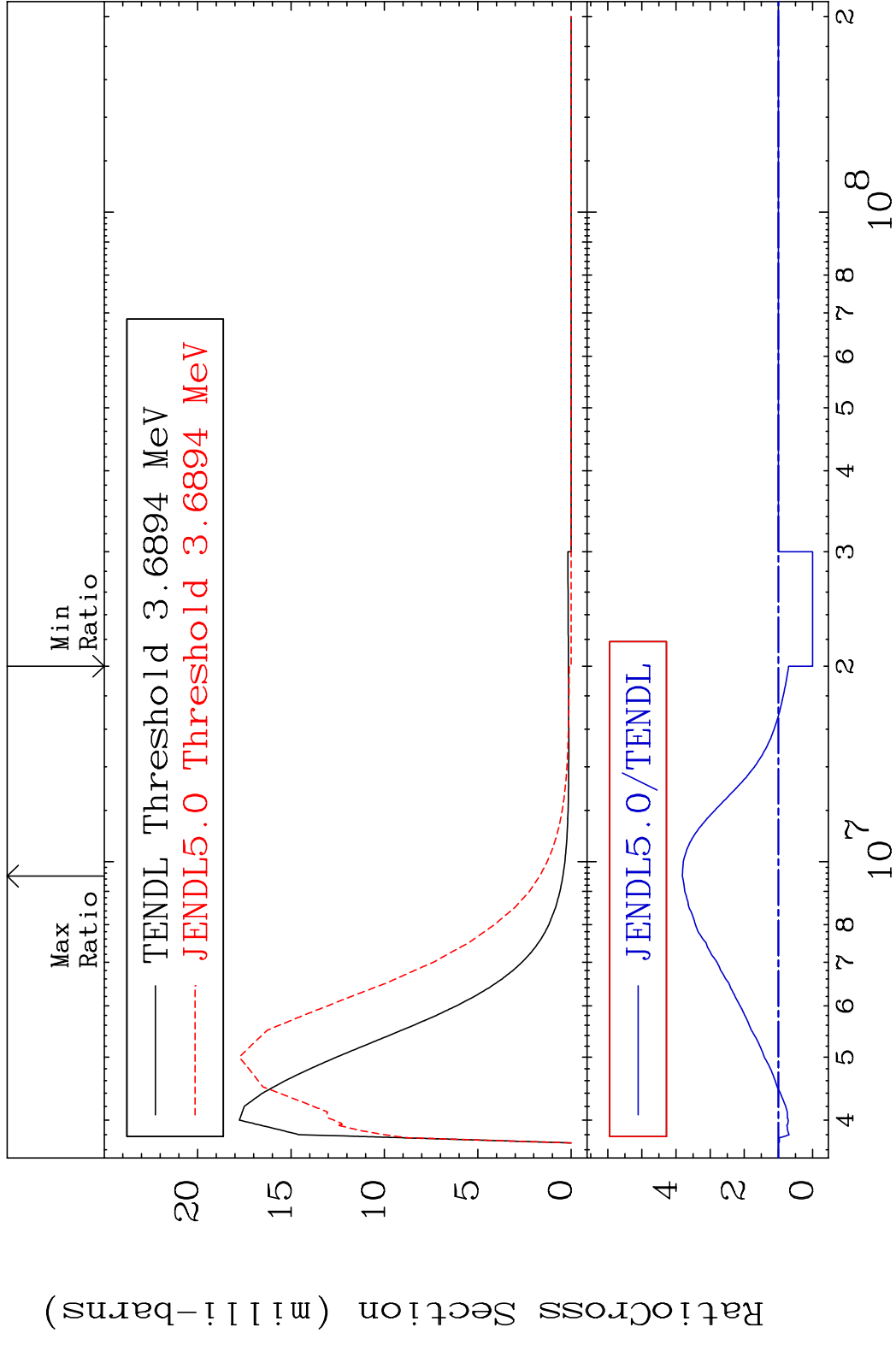


22 Incident Energy (eV) 22-Ti-46

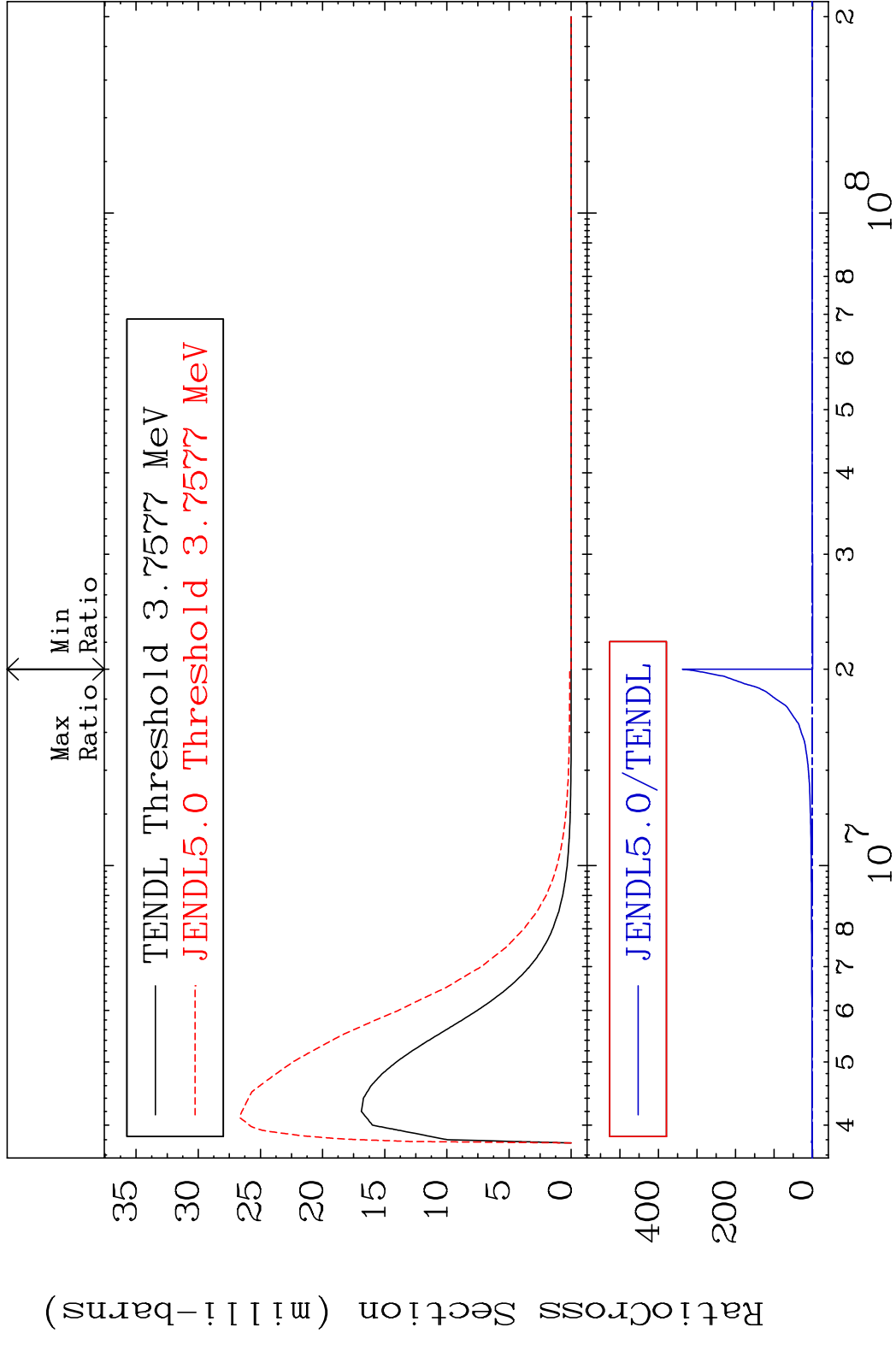
MAT 2225 MT= 66 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 18.68 %



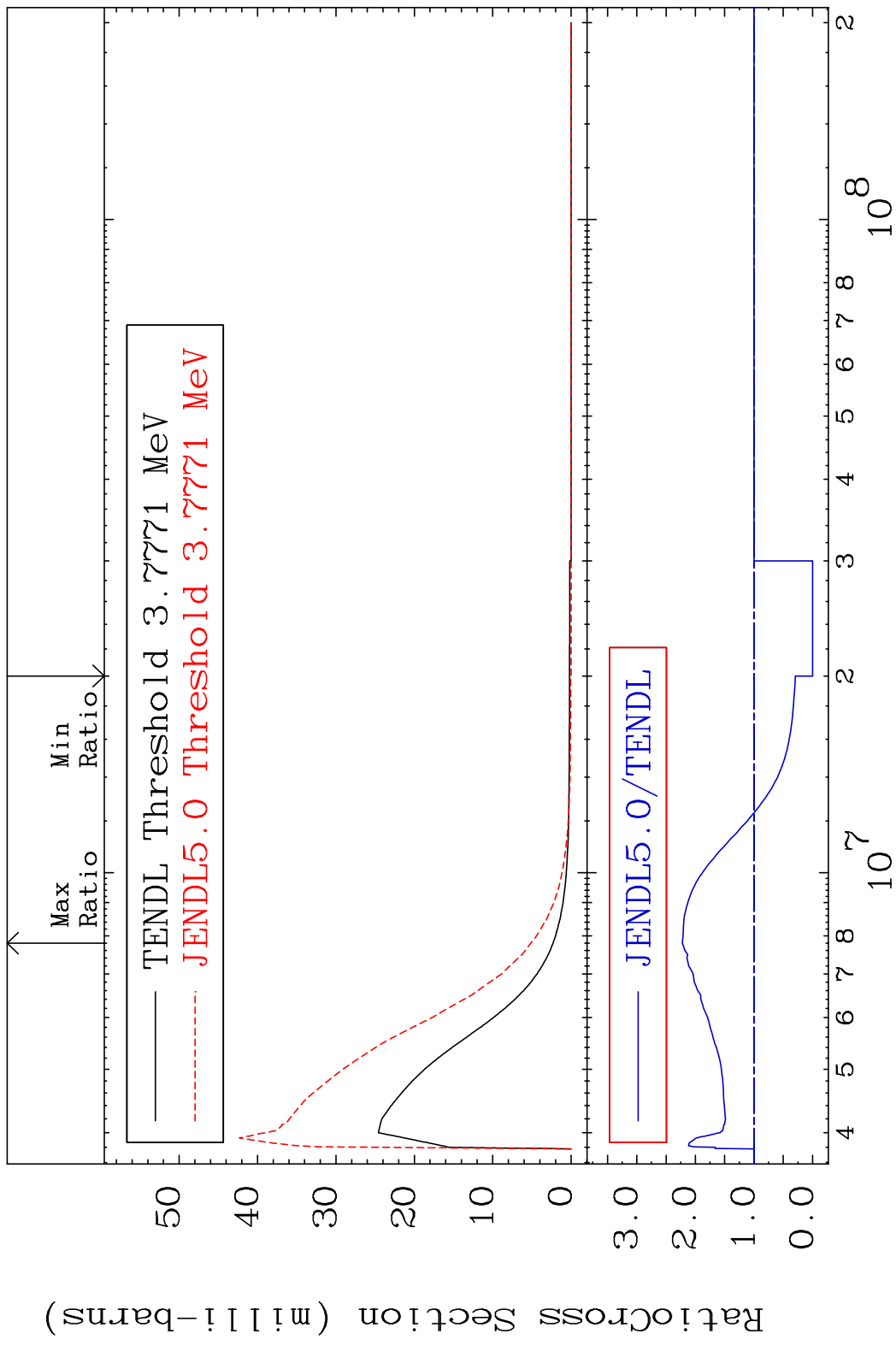
MAT 2225 MT= 67 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 281.5 %



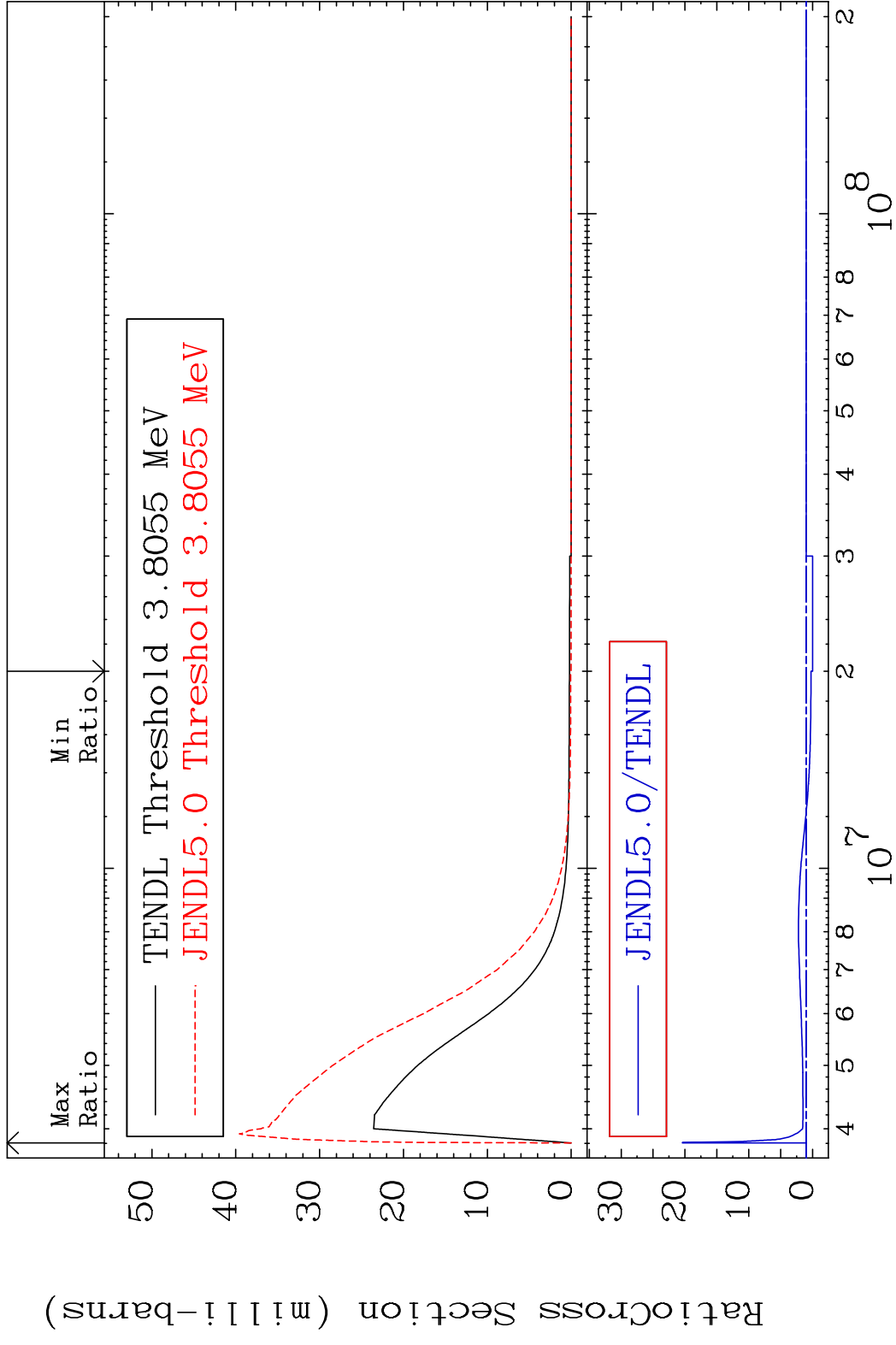
MAT 2225 MT= 68 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 9999. %



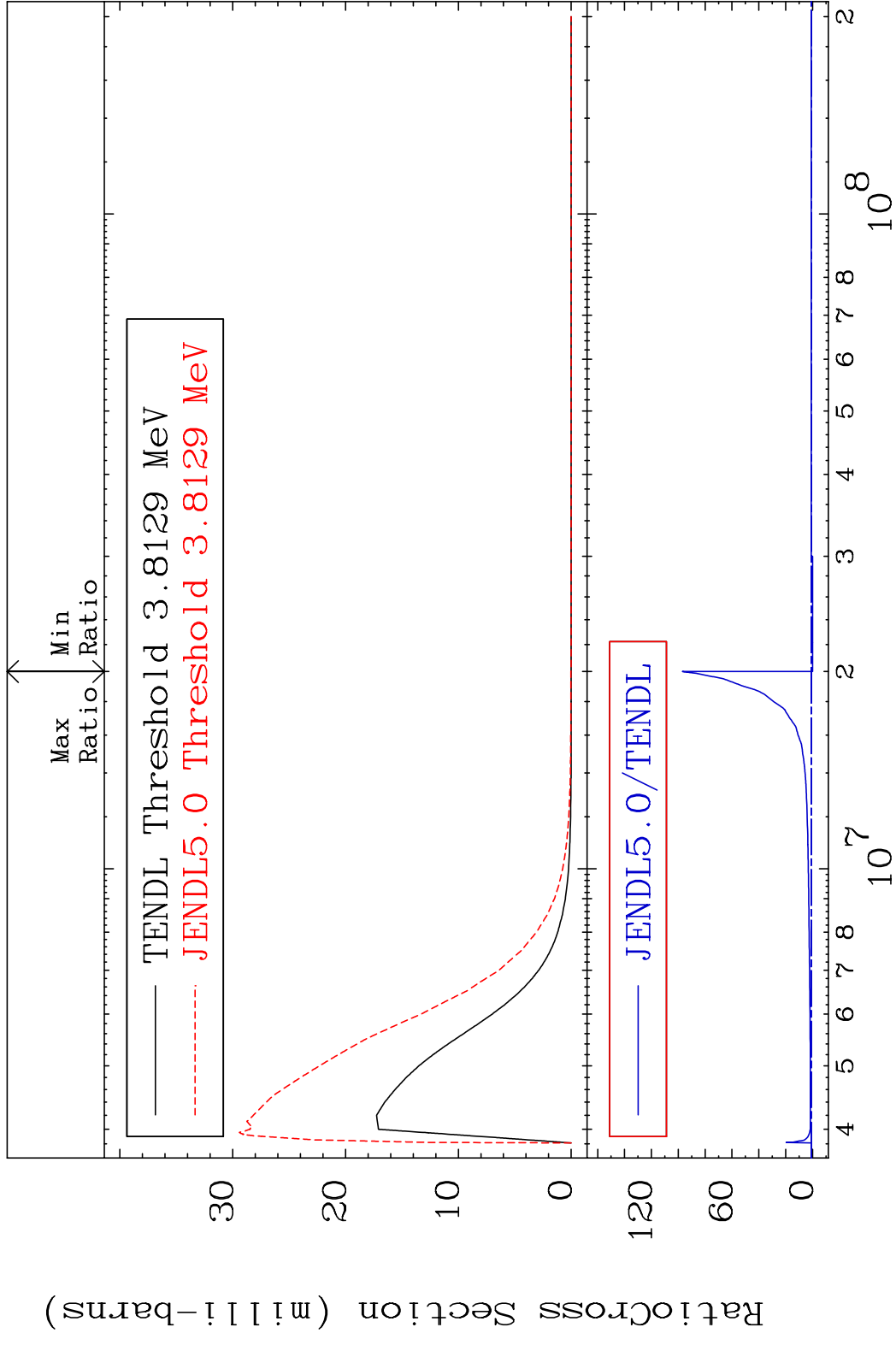
MAT 2225 MT= 69 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 122.2 %



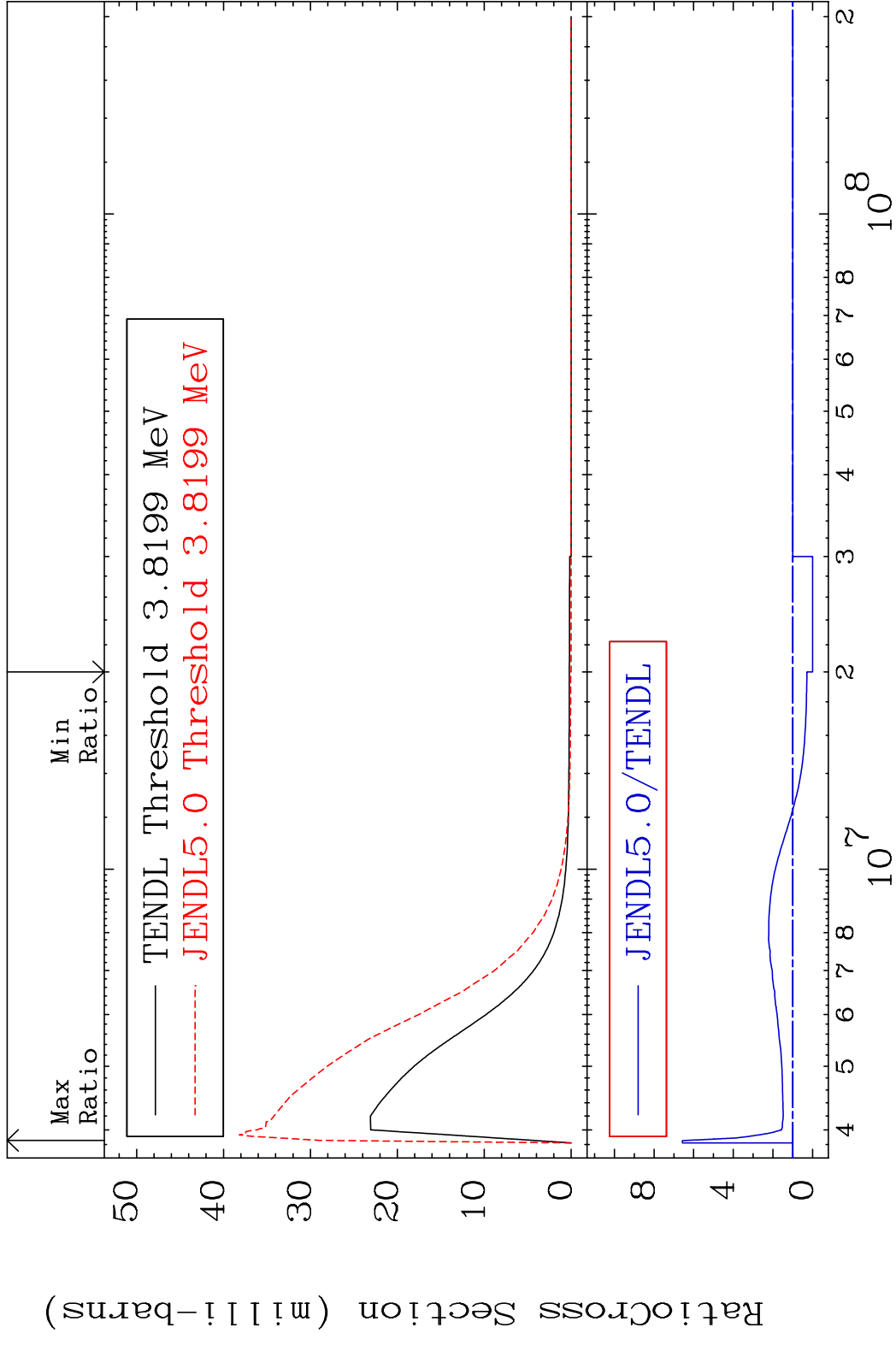
MAT 2225 MT= 70 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 1941. %



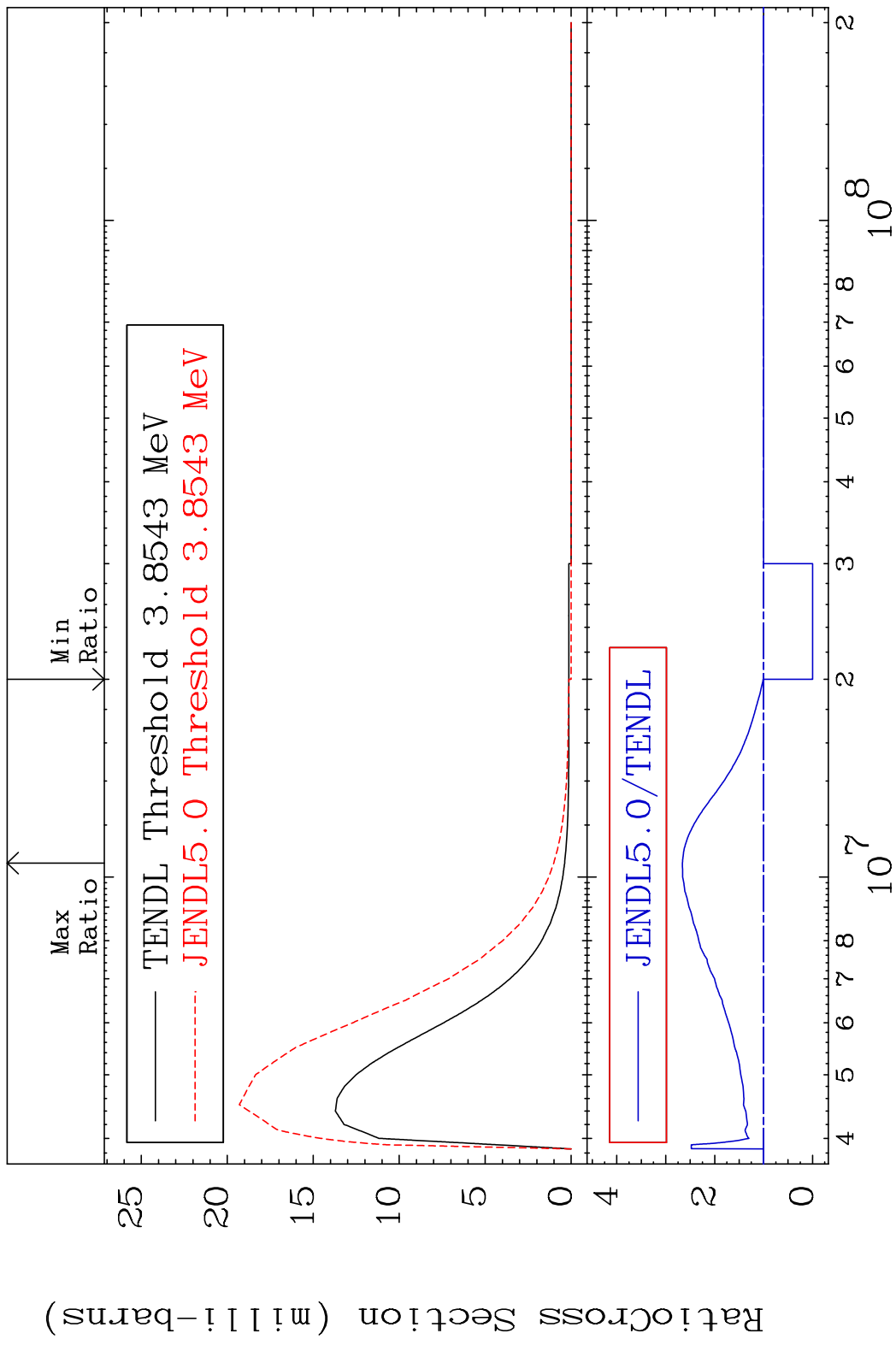
MAT 2225 MT= 71 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 9595. %



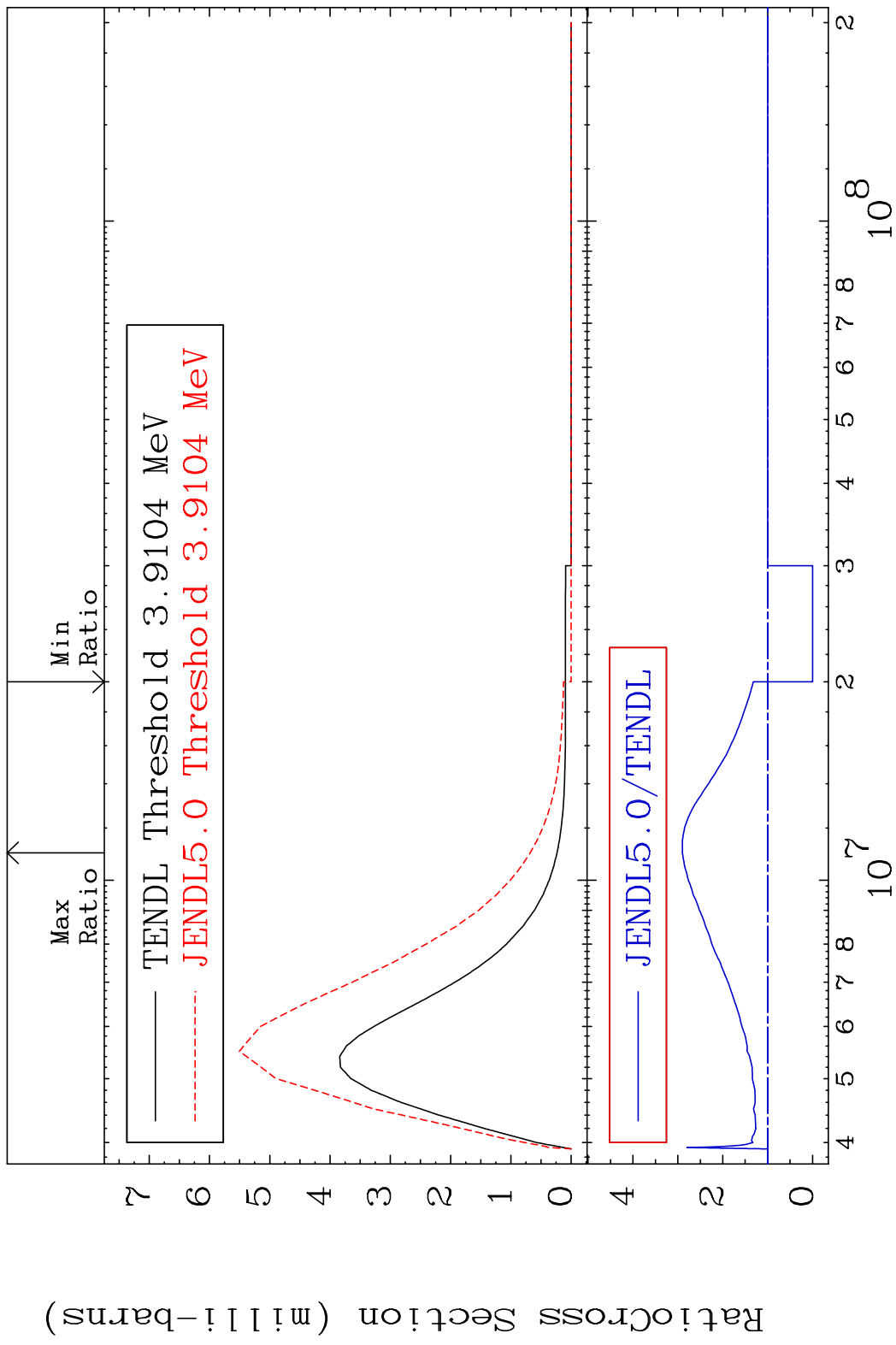
MAT 2225 MT= 72 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 557.1 %



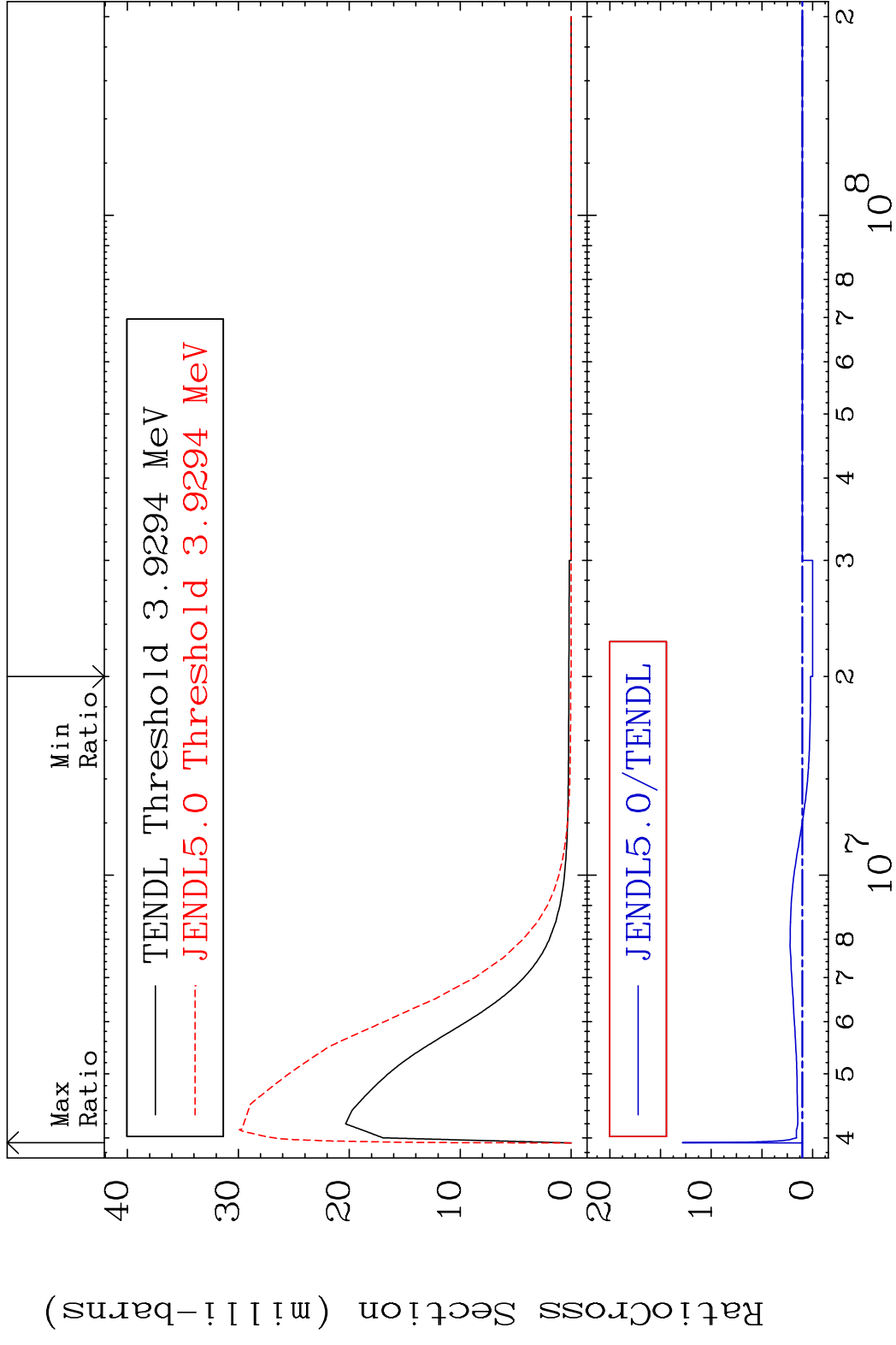
MAT 2225 MT= 73 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 166.0 %



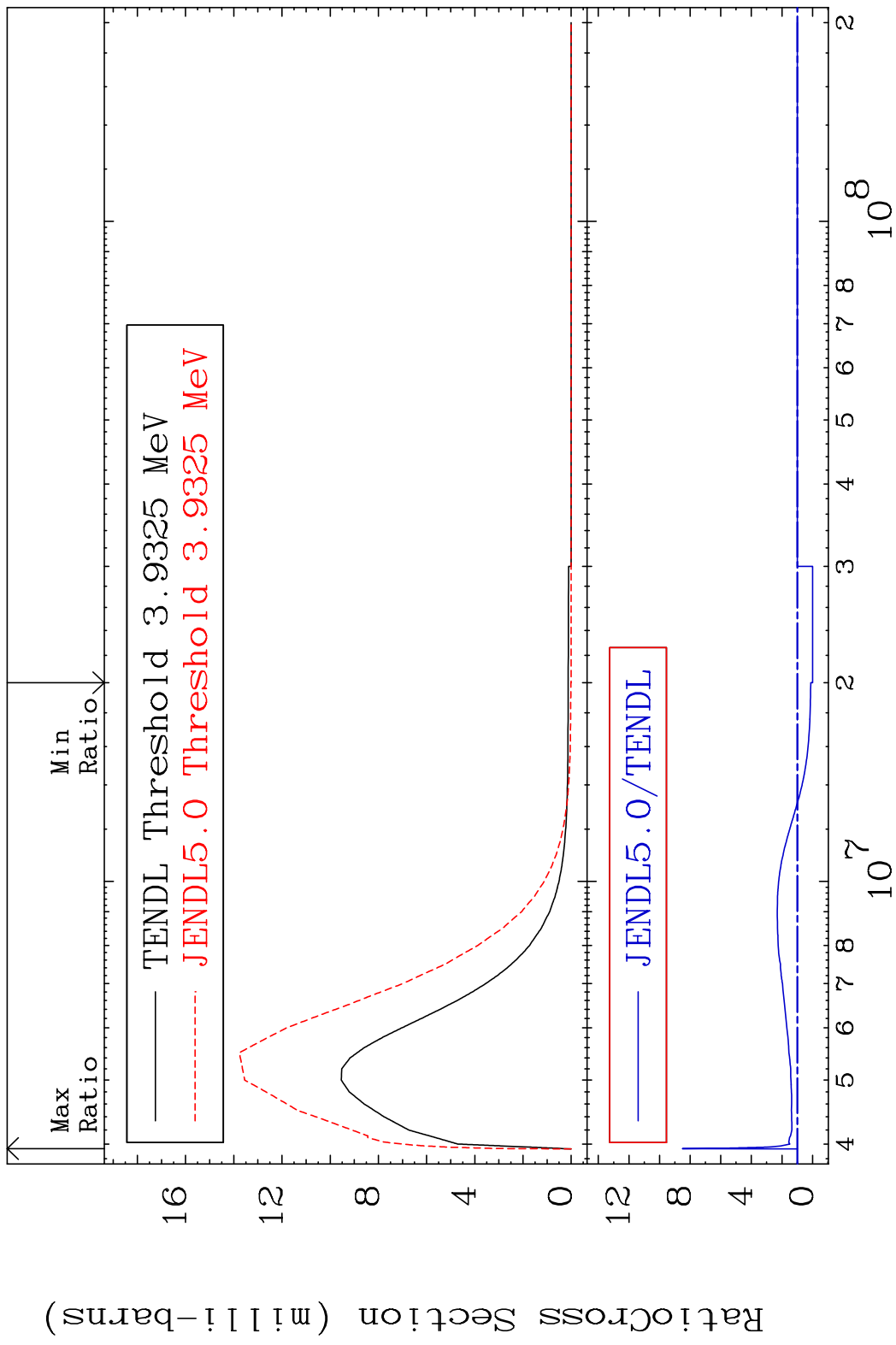
MAT 2225 MT= 74 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 190.0 %



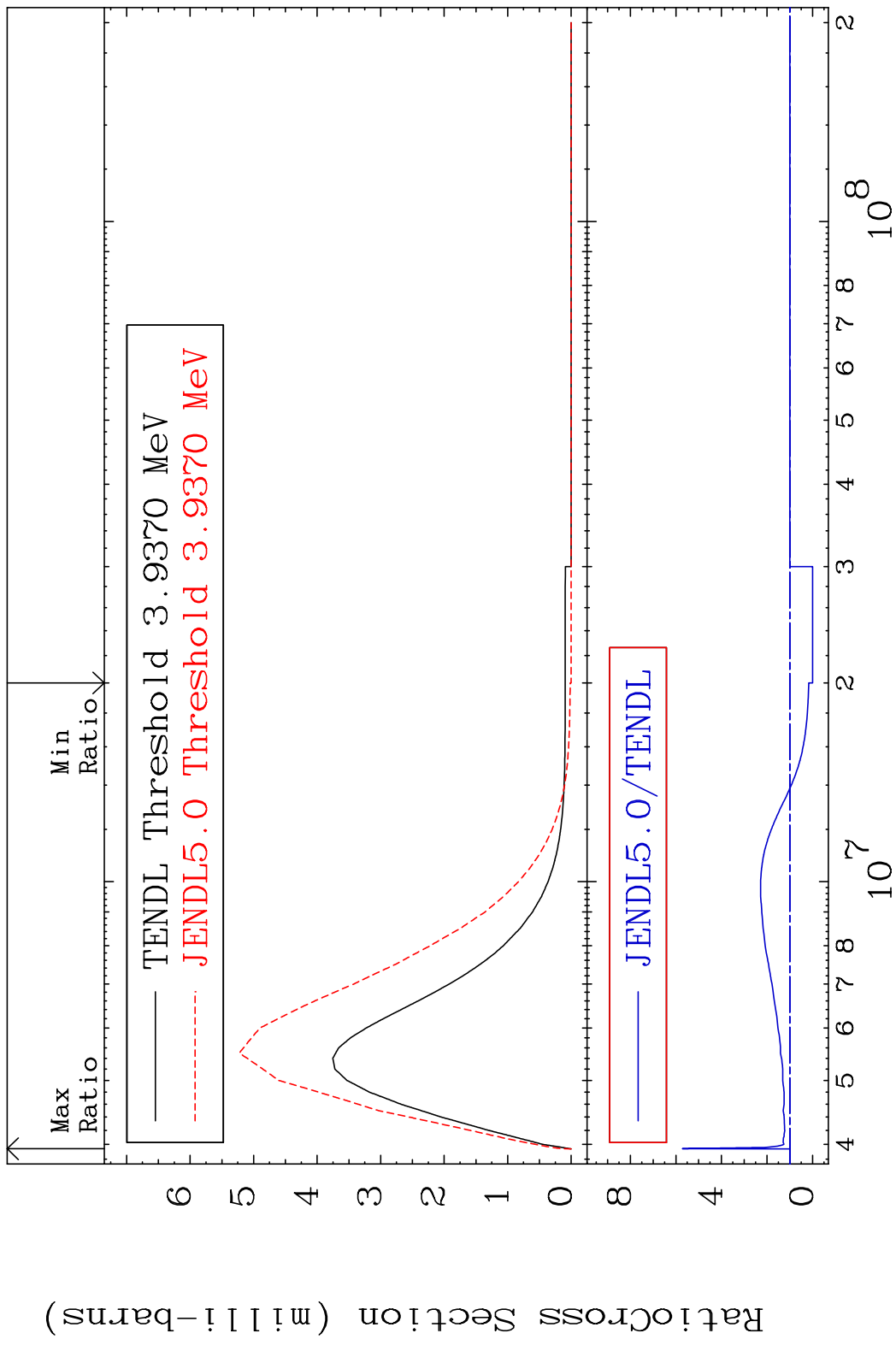
MAT 2225 MT= 75 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 1184. %



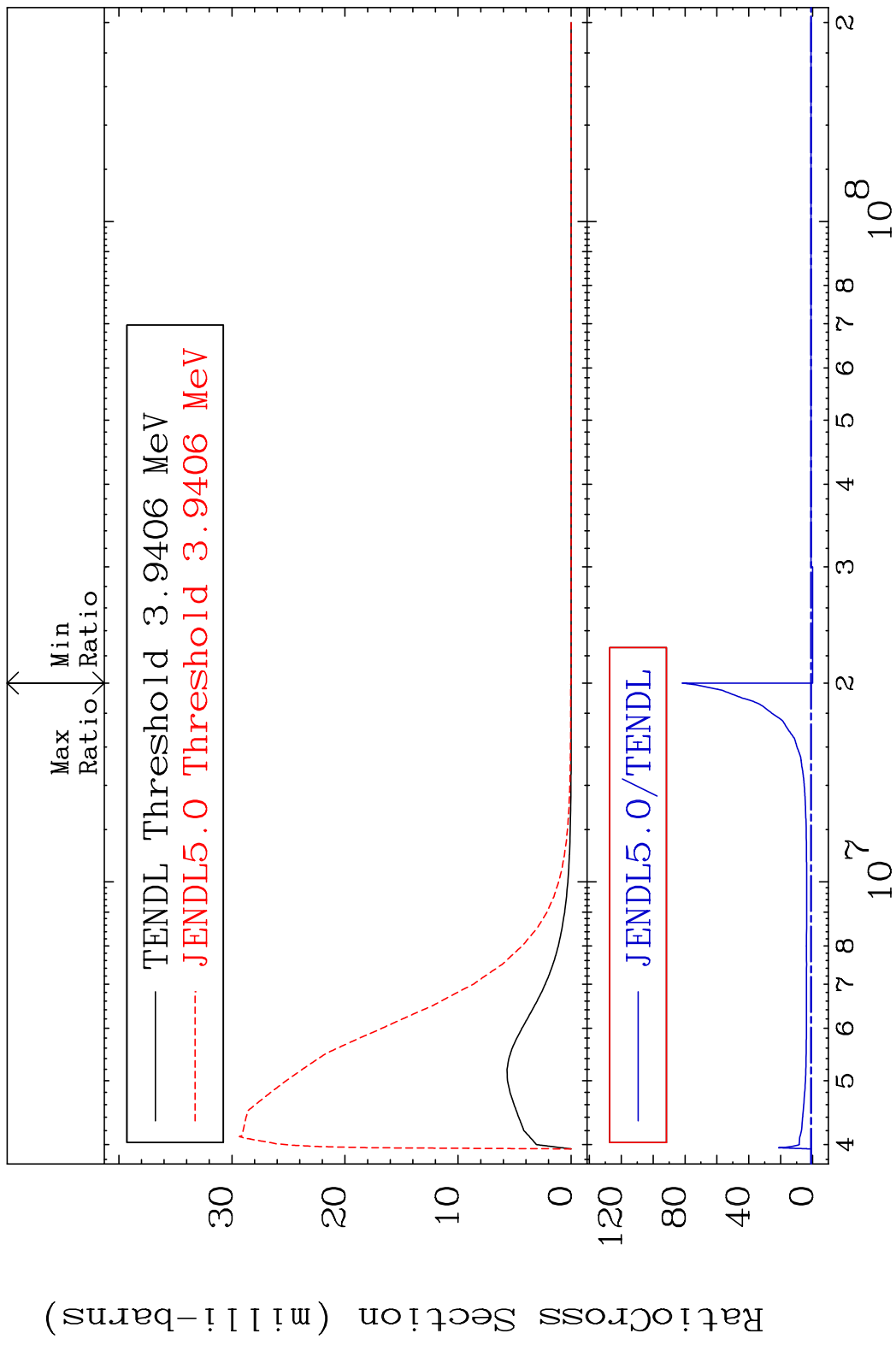
MAT 2225 MT= 76 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 750.9 %



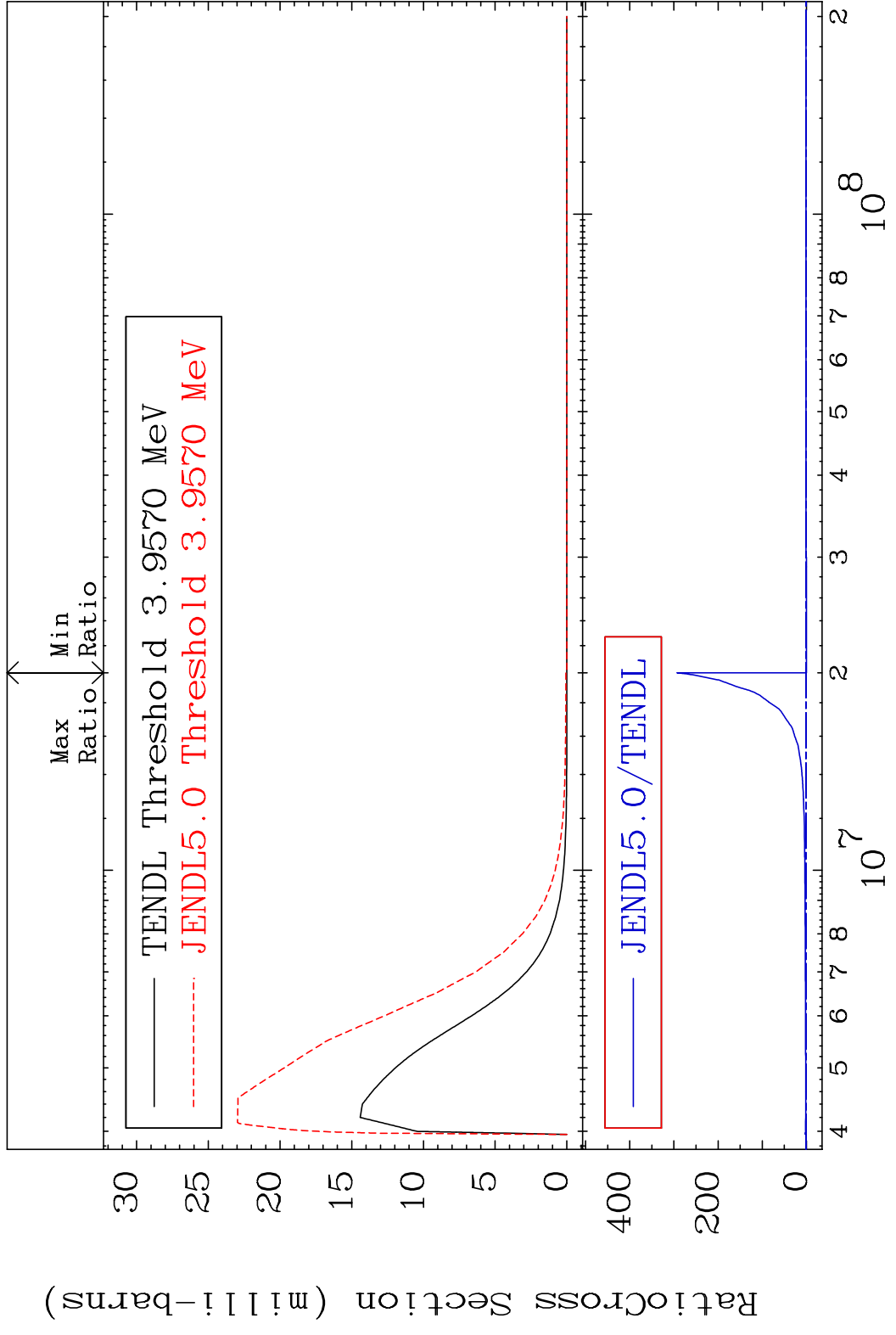
MAT 2225 MT= 77 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 471.6 %



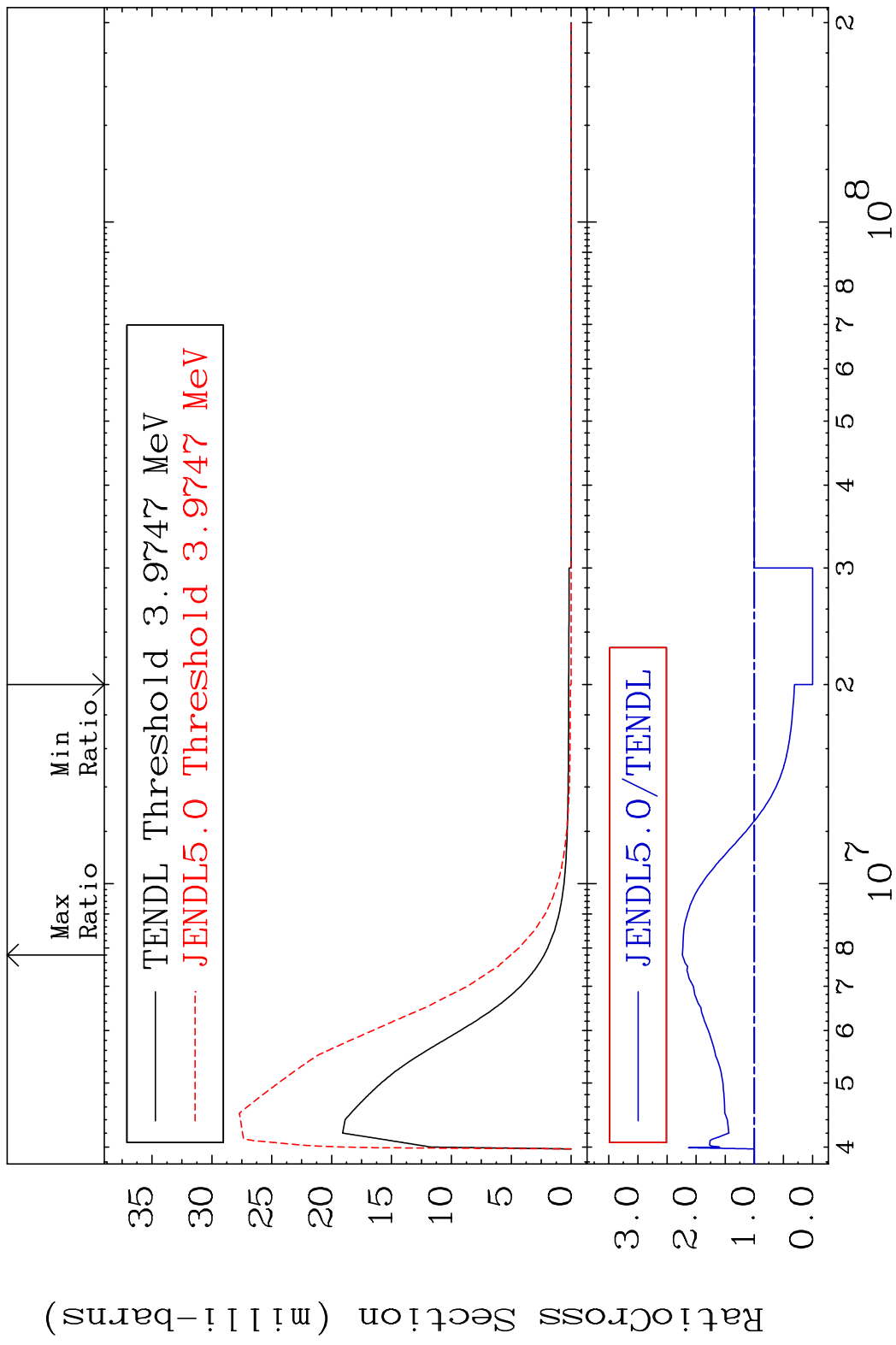
MAT 2225 MT= 78 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 8068. %



MAT 2225 MT= 79 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 9999. %



MAT 2225 MT= 80 (n,n') Level 22-Ti-46
 Cross Section -100.0 To 123.6 %

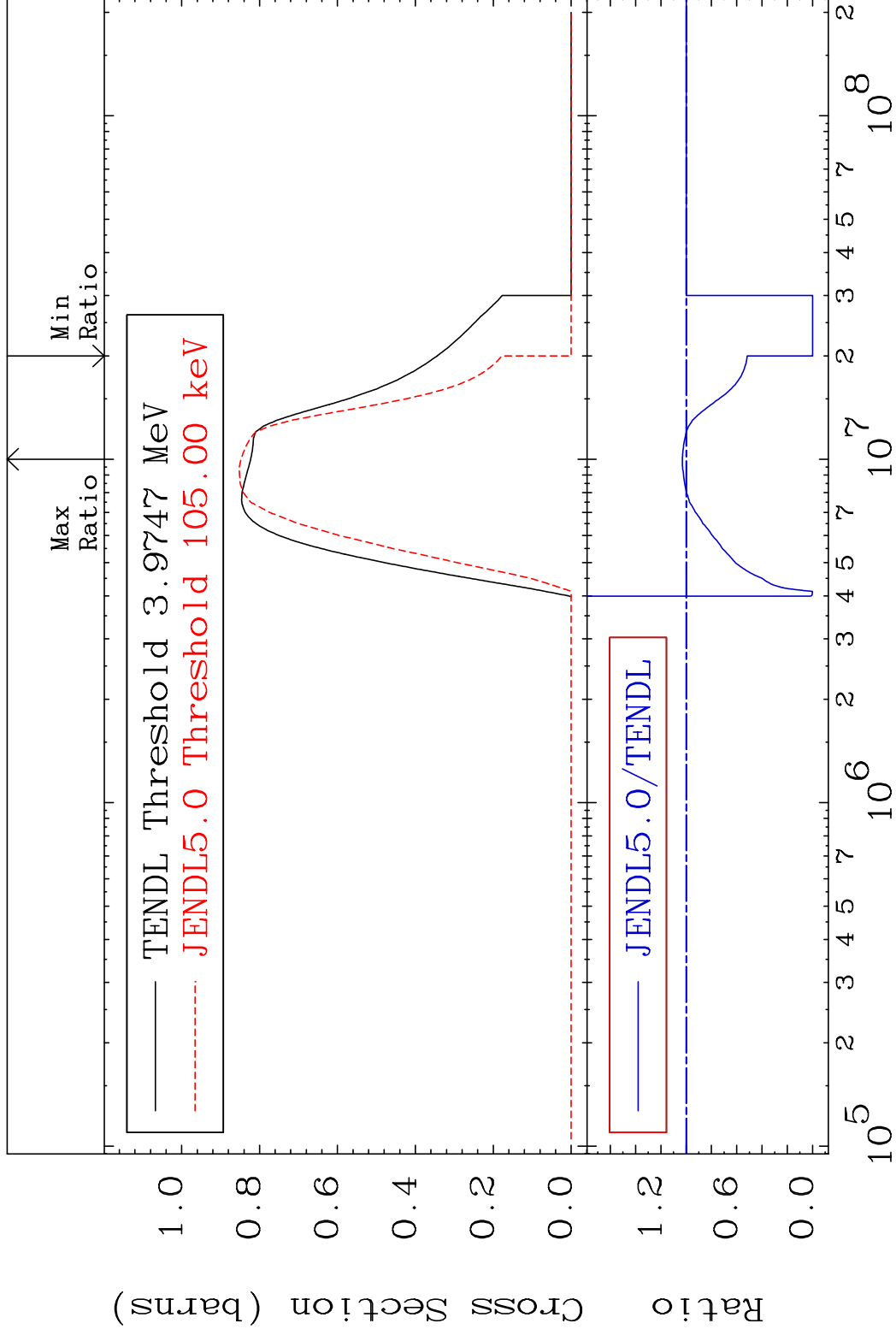


MAT 2225

(n,n') Continuum

²²Ti-46

Cross Section -100.0 To 3.022 %



38

Incident Energy (eV)

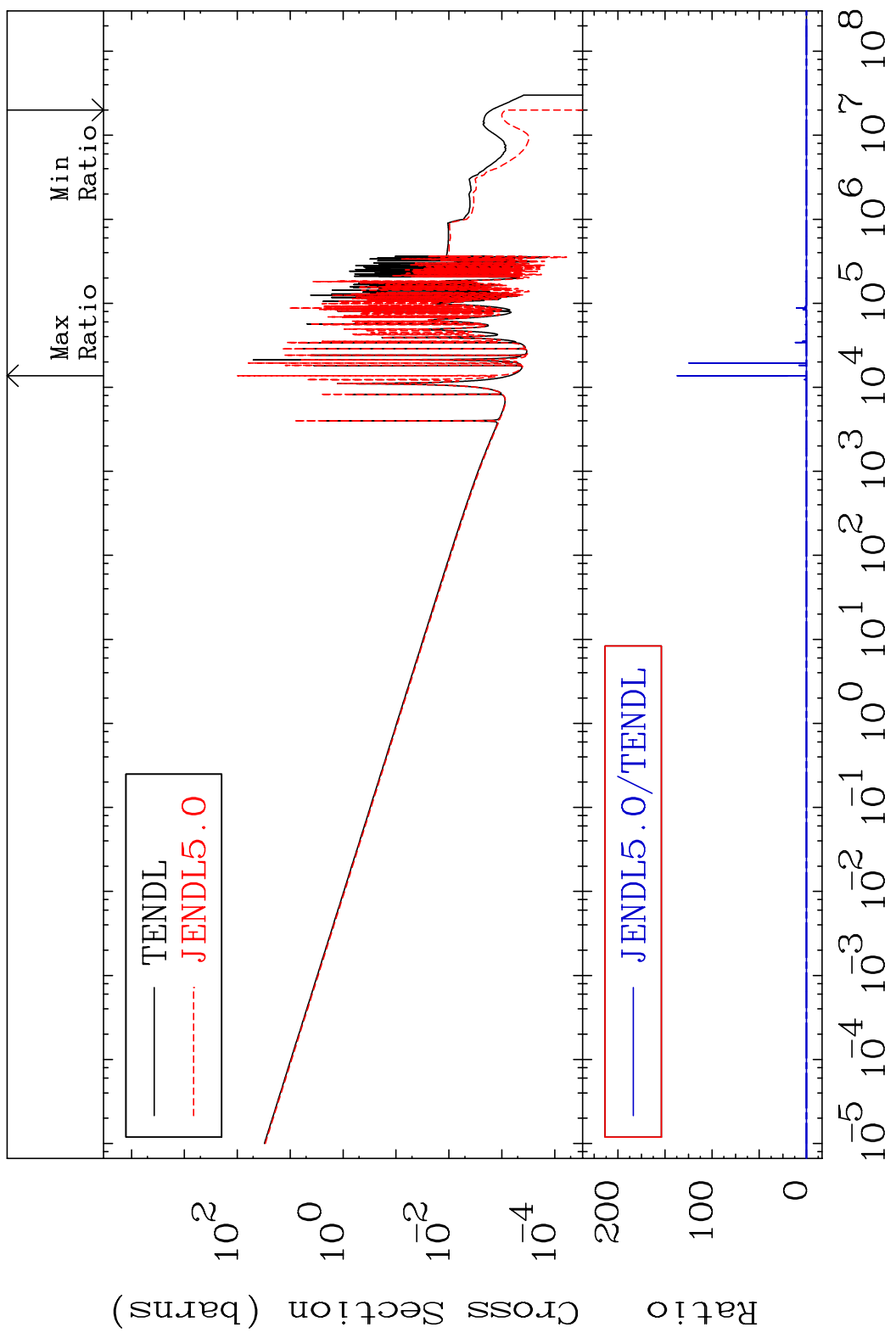
²²Ti-46

MAT 2225

(n, γ)

22-Ti-46

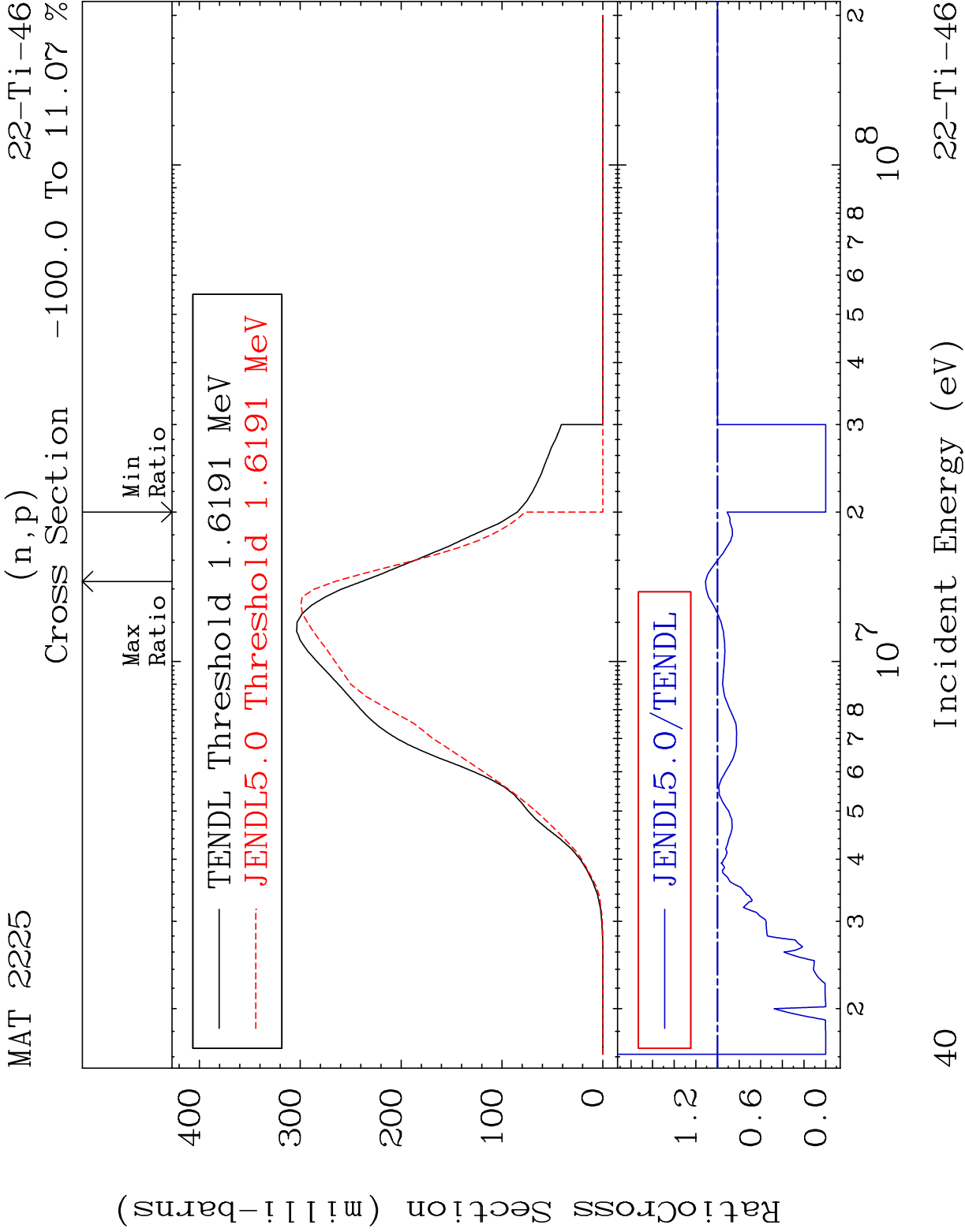
Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

22-Ti-46

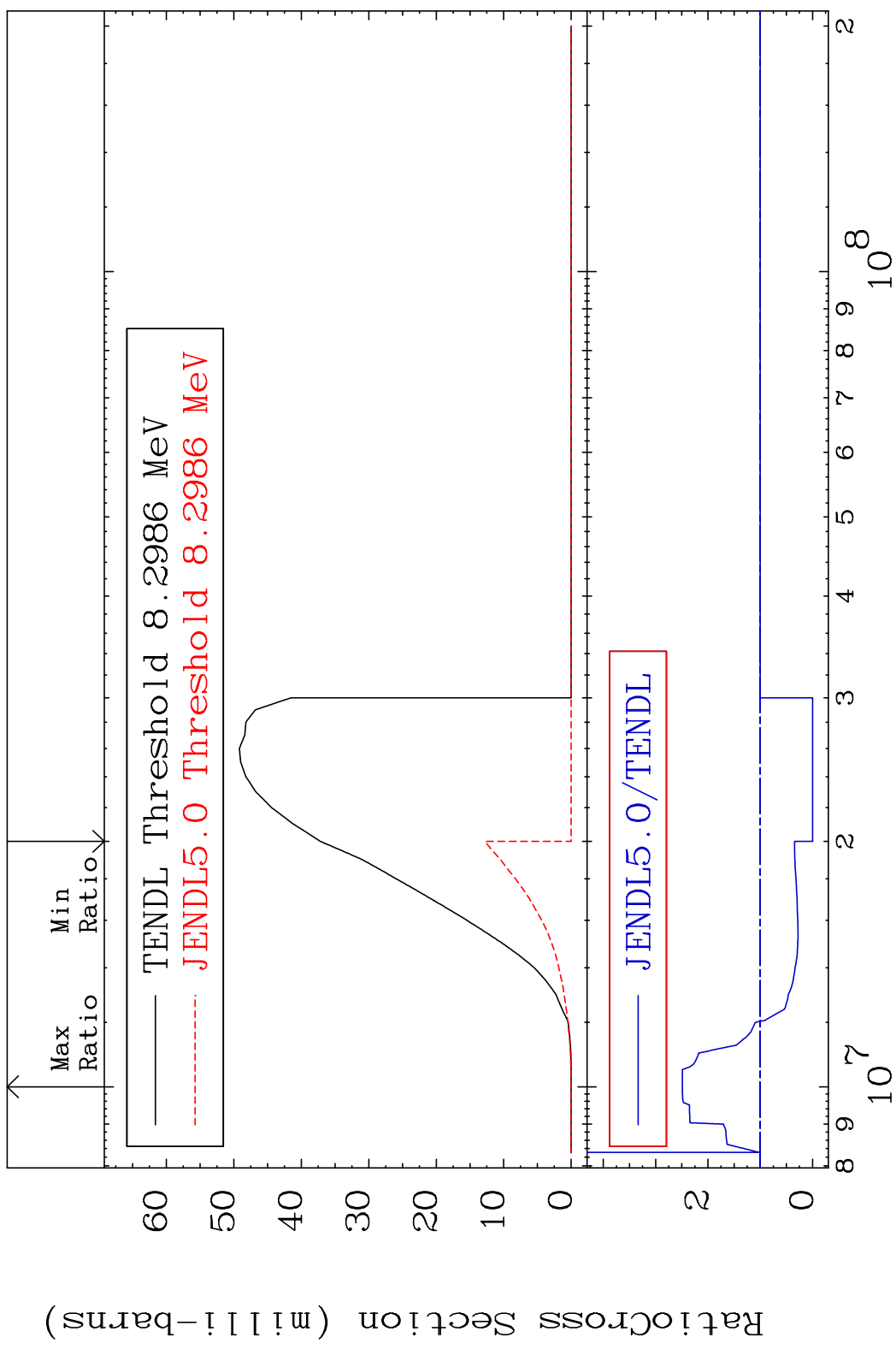


MAT 2225

(n, d)

²²Ti-46

Cross Section -100.0 To 148.9 %

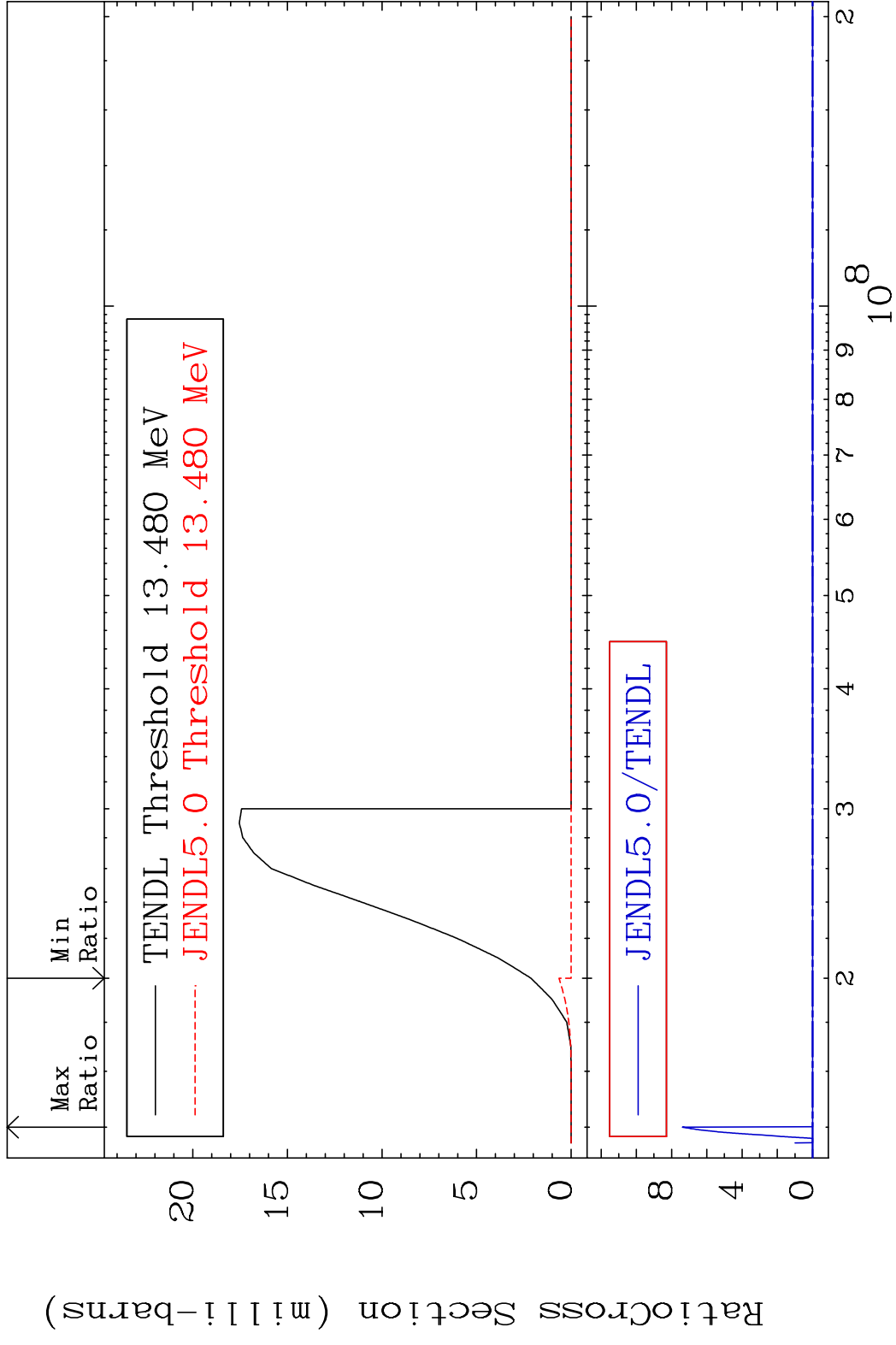


41

Incident Energy (eV)

²²Ti-46

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



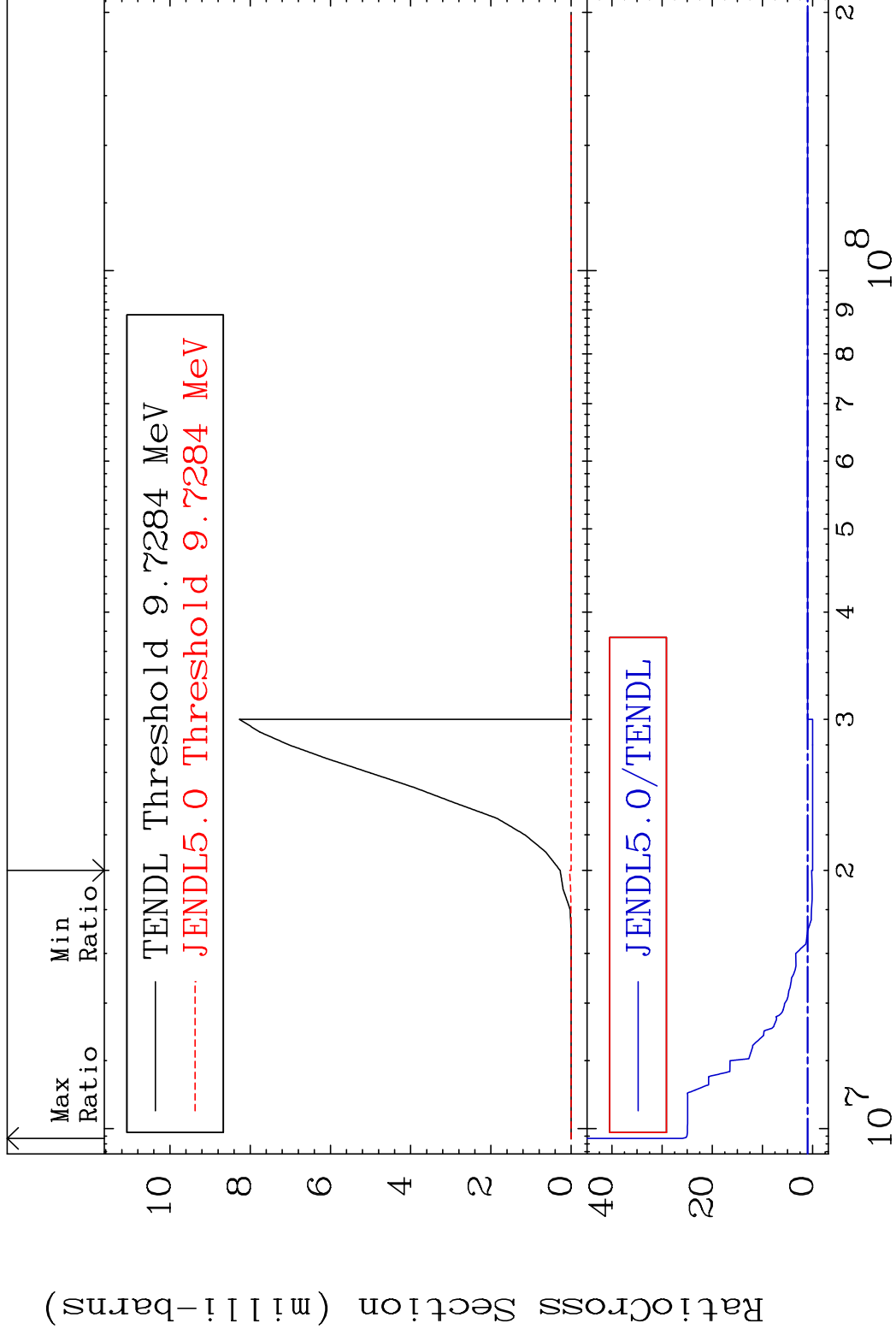
42 Incident Energy (eV) 22-Ti-46

MAT 2225

(n, He-3)

²²Ti-46

Cross Section -100.0 To 2495. %



43

Incident Energy (eV)

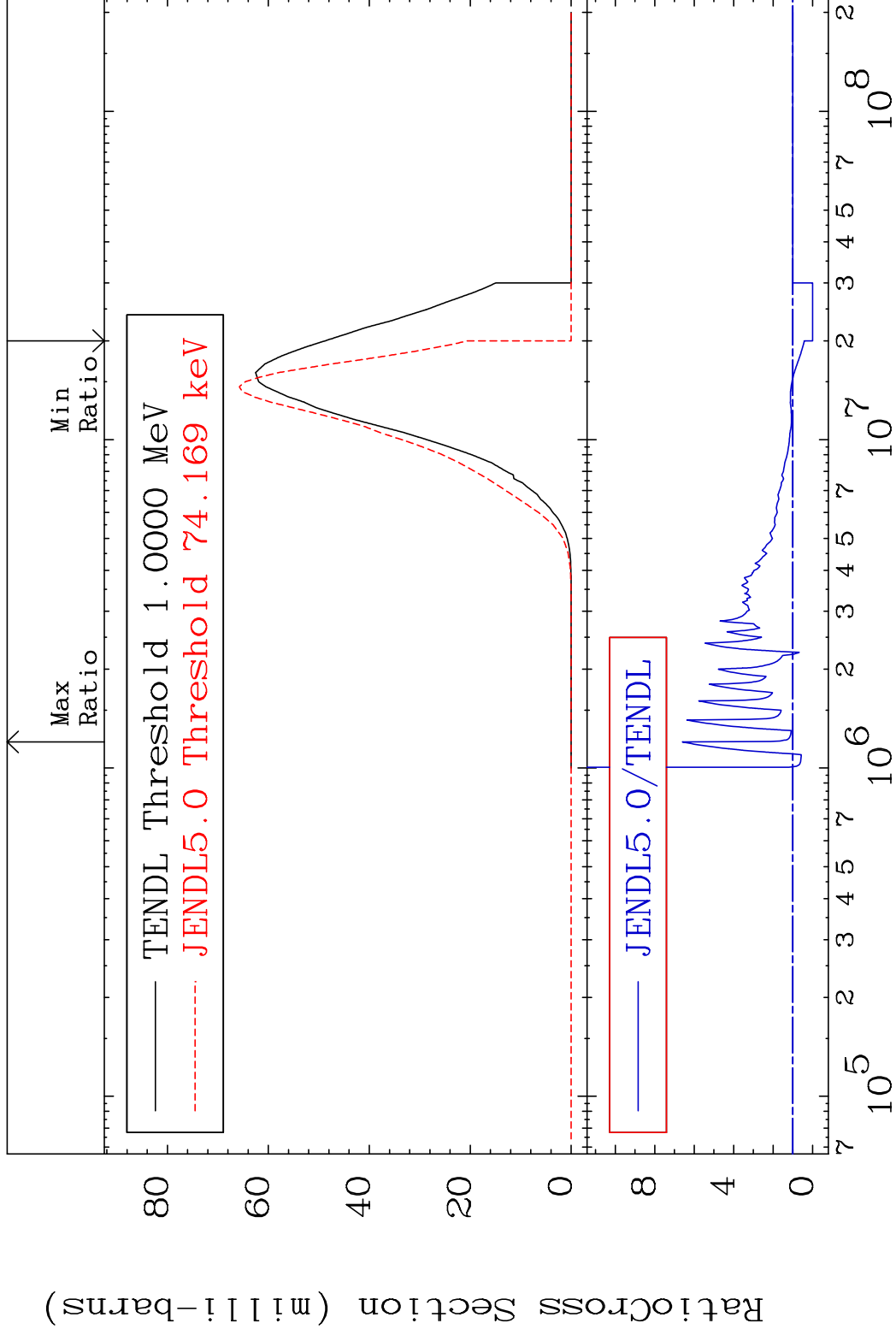
²²Ti-46

MAT 2225

(n, α)

22-Ti-46

Cross Section -100.0 To 559.9 %



44

Incident Energy (eV)

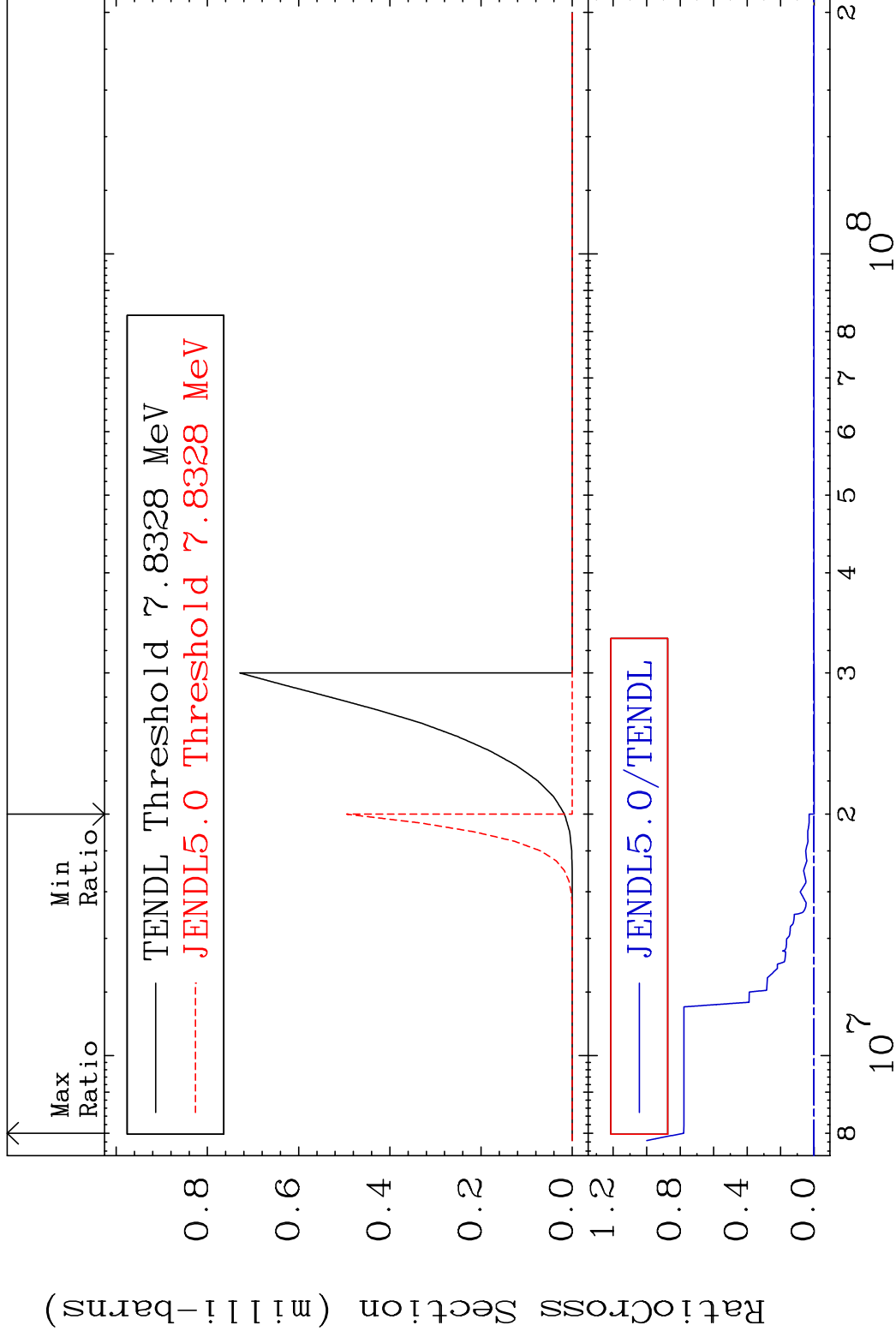
22-Ti-46

MAT 2225

(n,2α)

22-Ti-46

Cross Section -100.0 To 9999. %

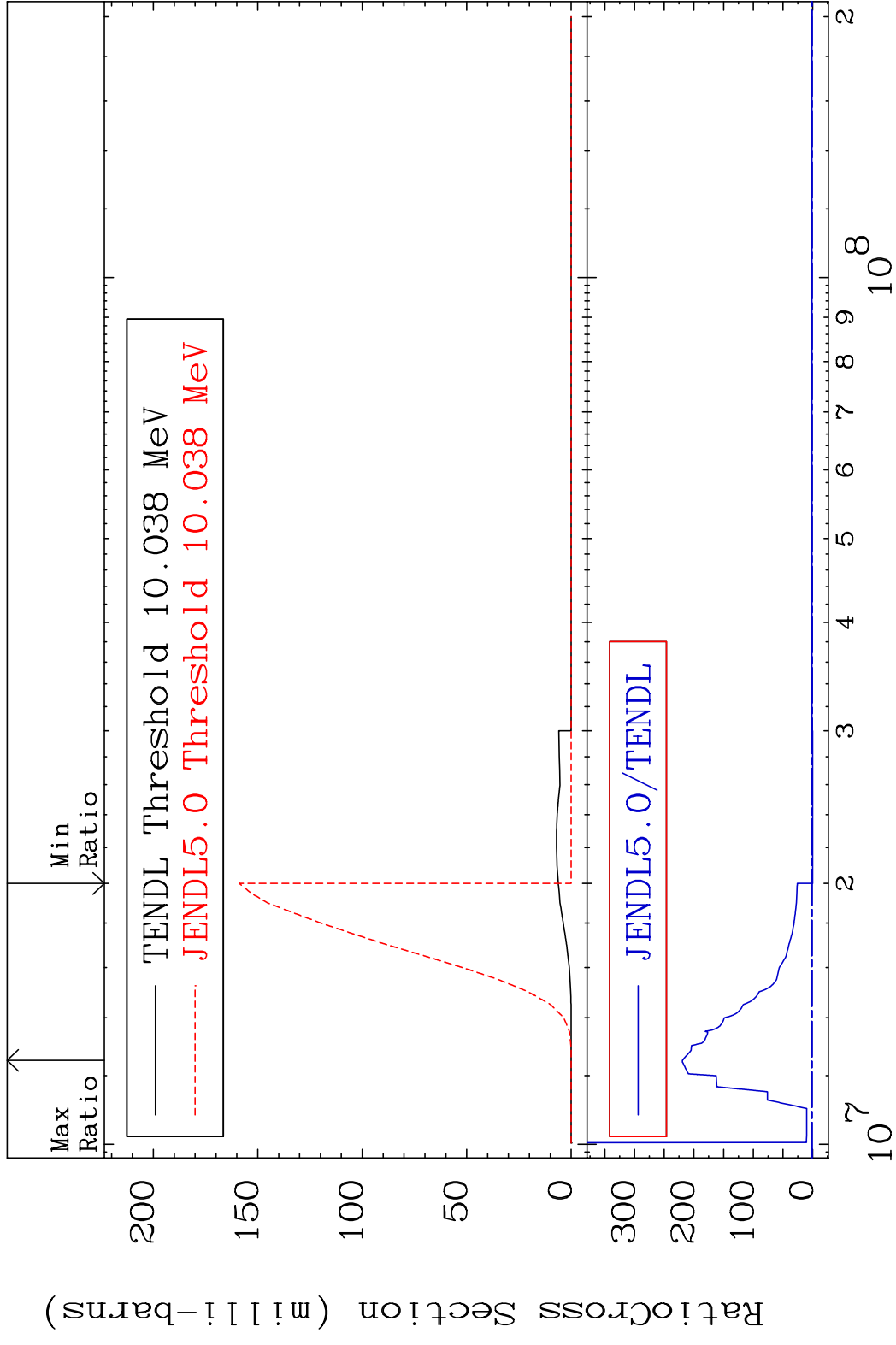


45

Incident Energy (eV)

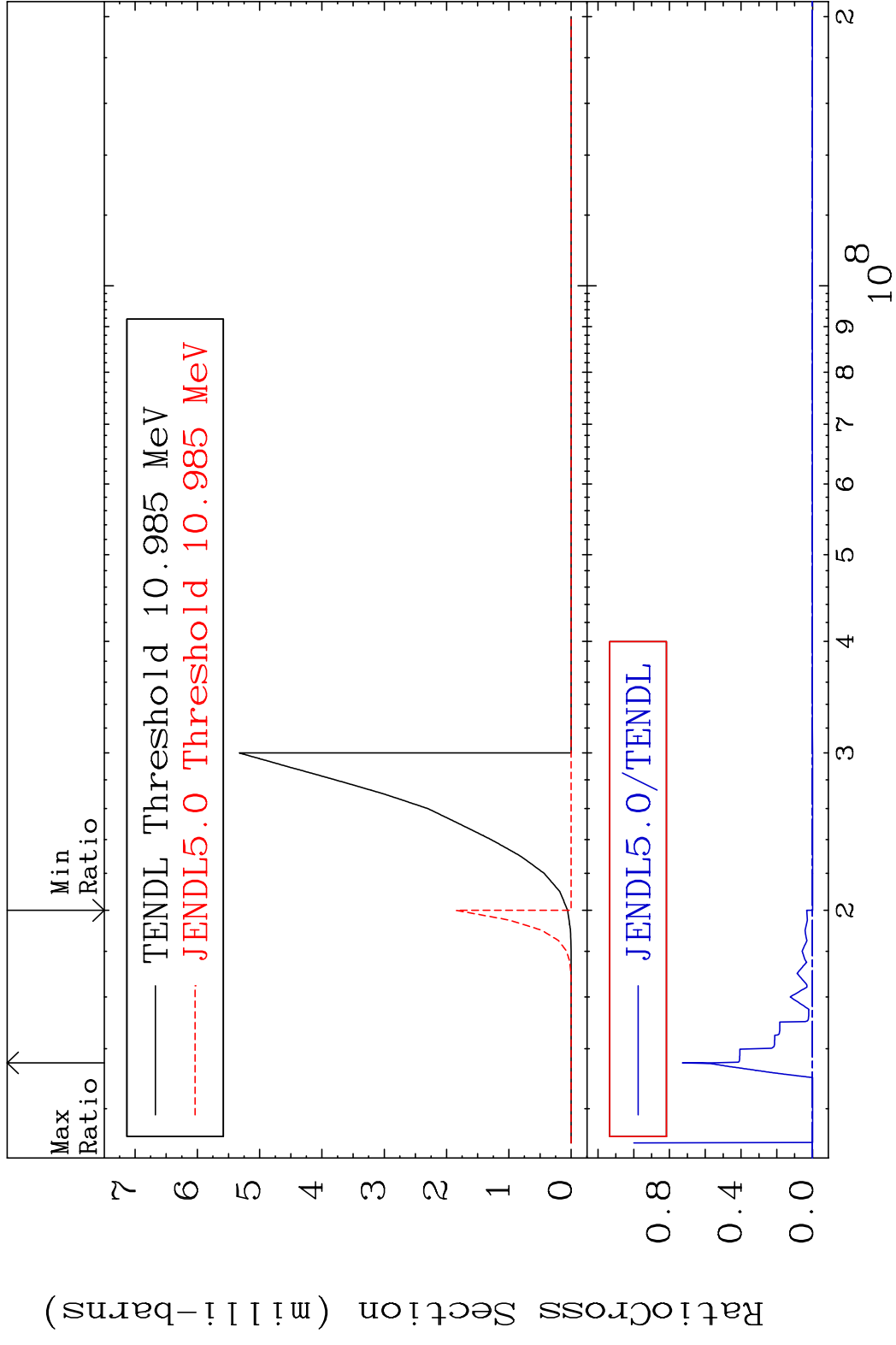
22-Ti-46

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

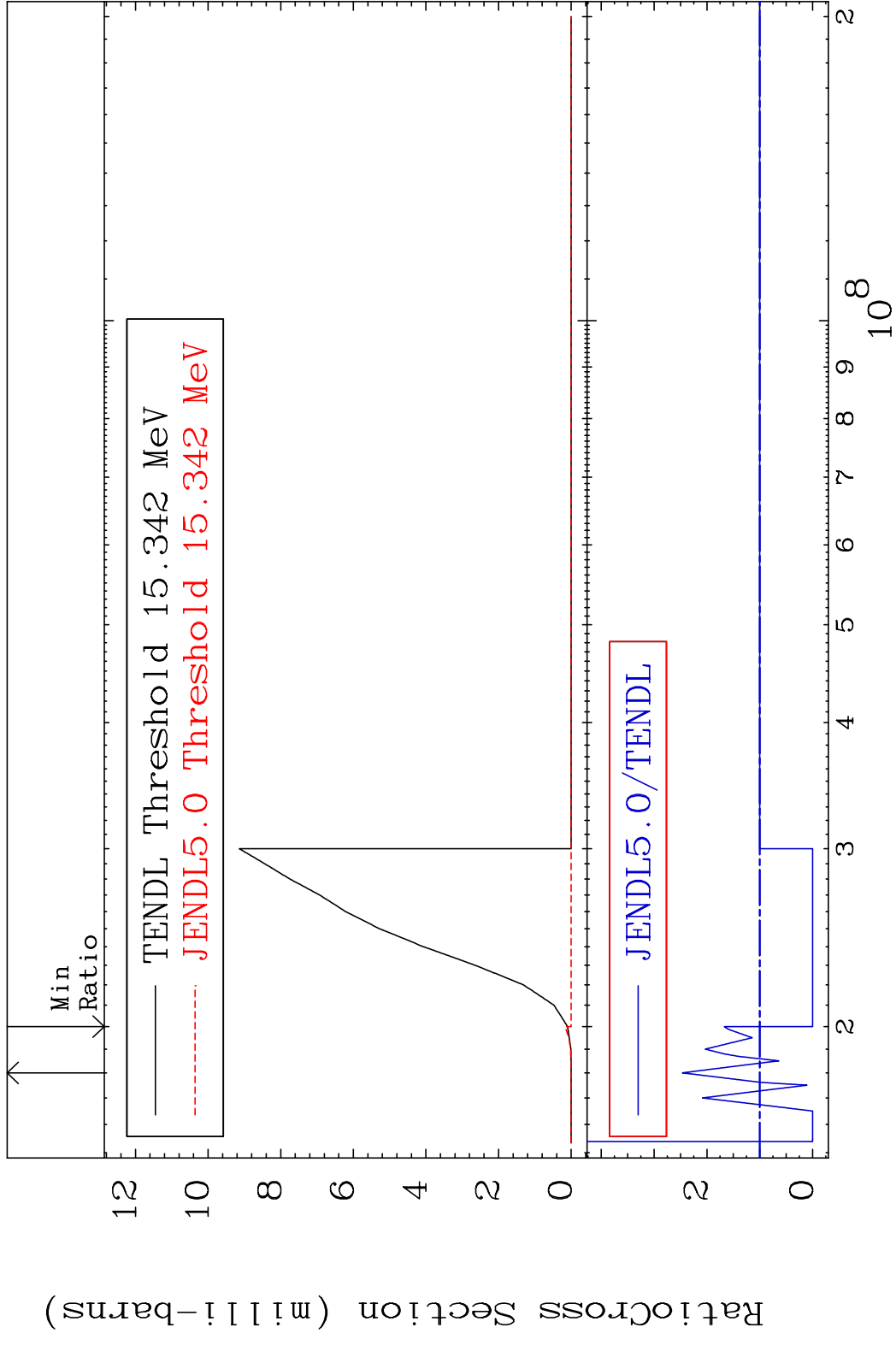


46 22-Ti-46

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

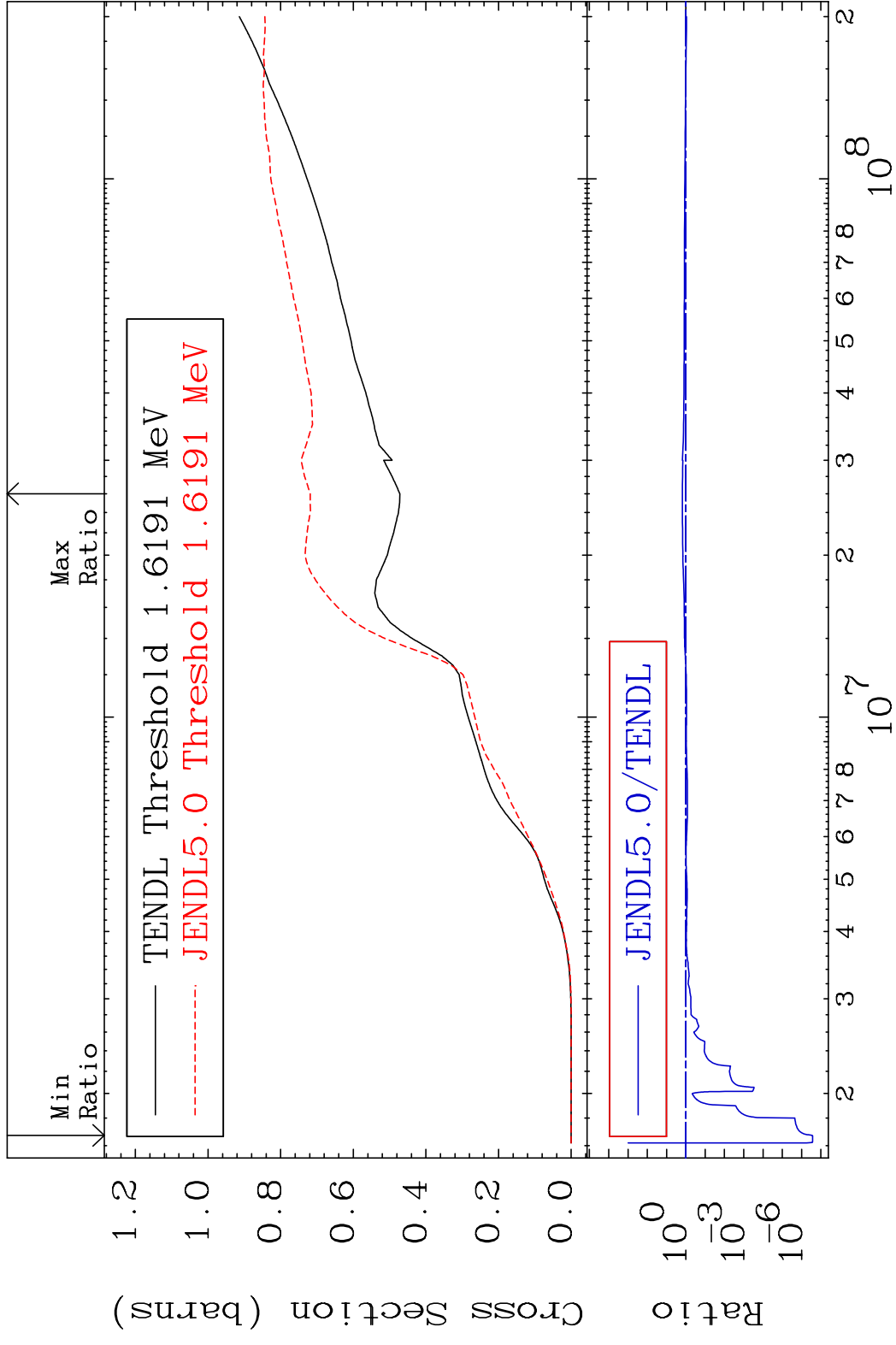


MAT 2225 (n,p) d 22-Ti-46
 Cross Section -100.0 To 146.5 %



48 Incident Energy (eV) 22-Ti-46

MAT 2225 Hydrogen Production 22-Ti-46
 Cross Section -100.0 To 52.25 %

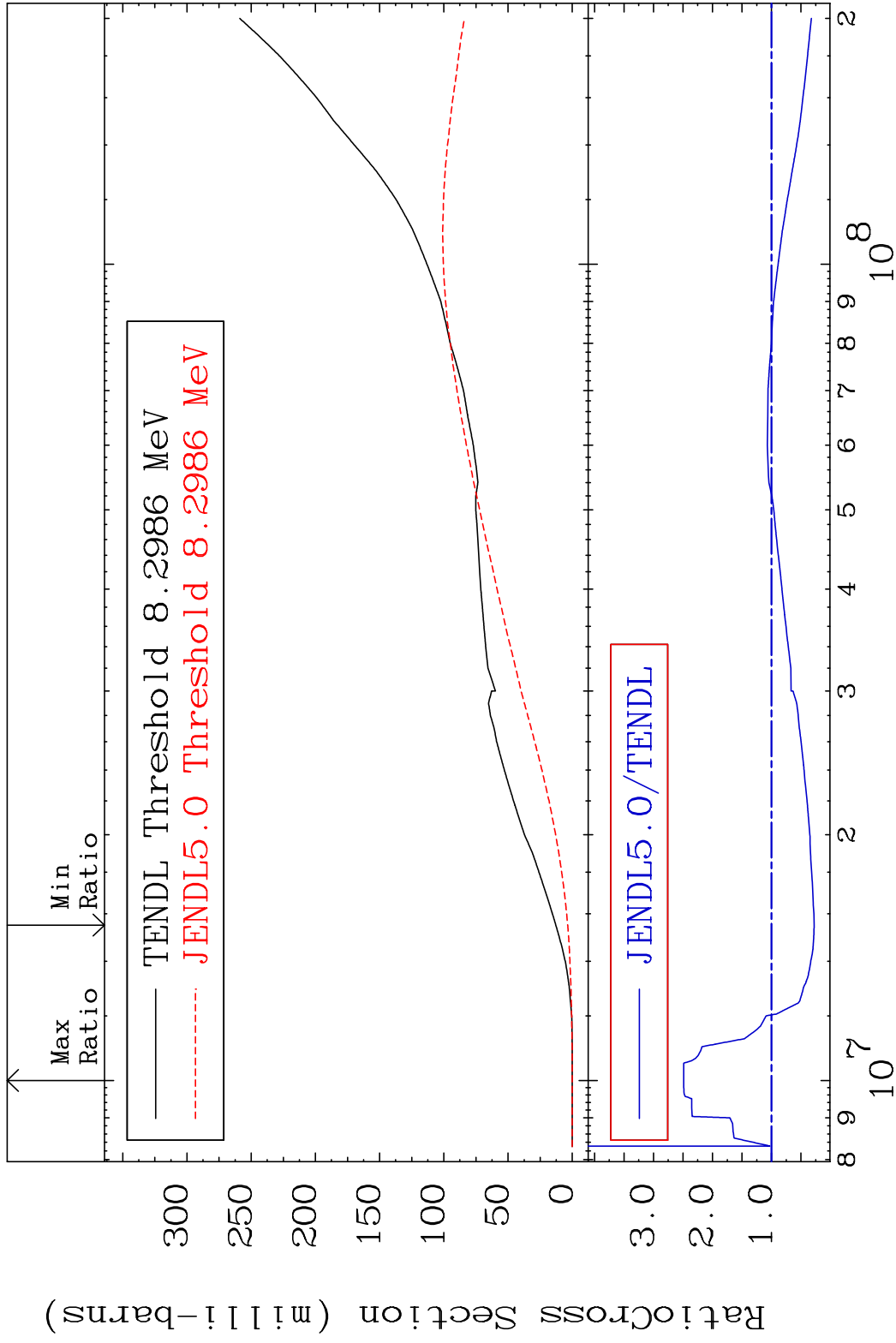


MAT 2225

Deuterium Production

²²Ti-46

Cross Section -72.34 To 148.9 %

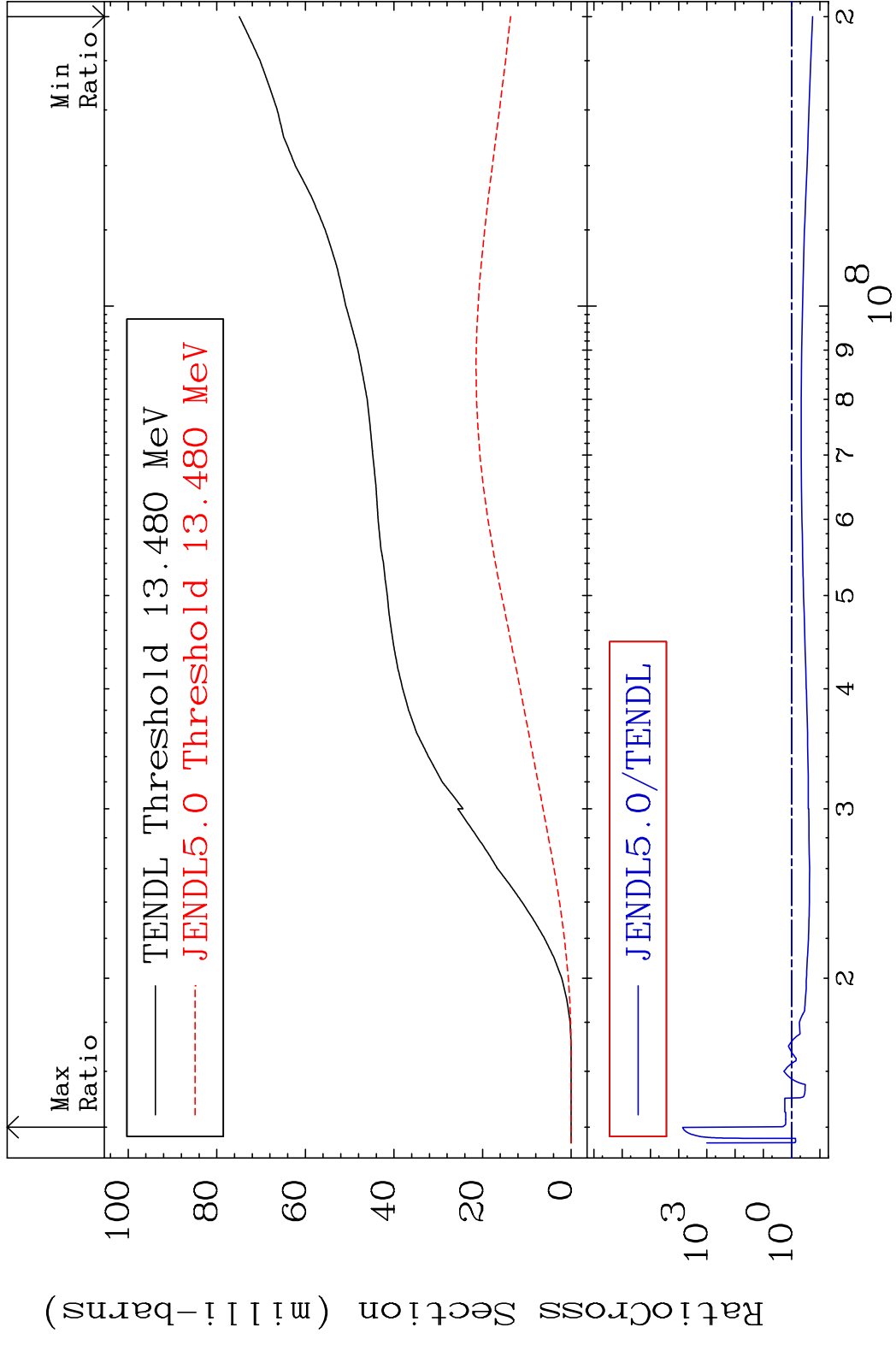


50

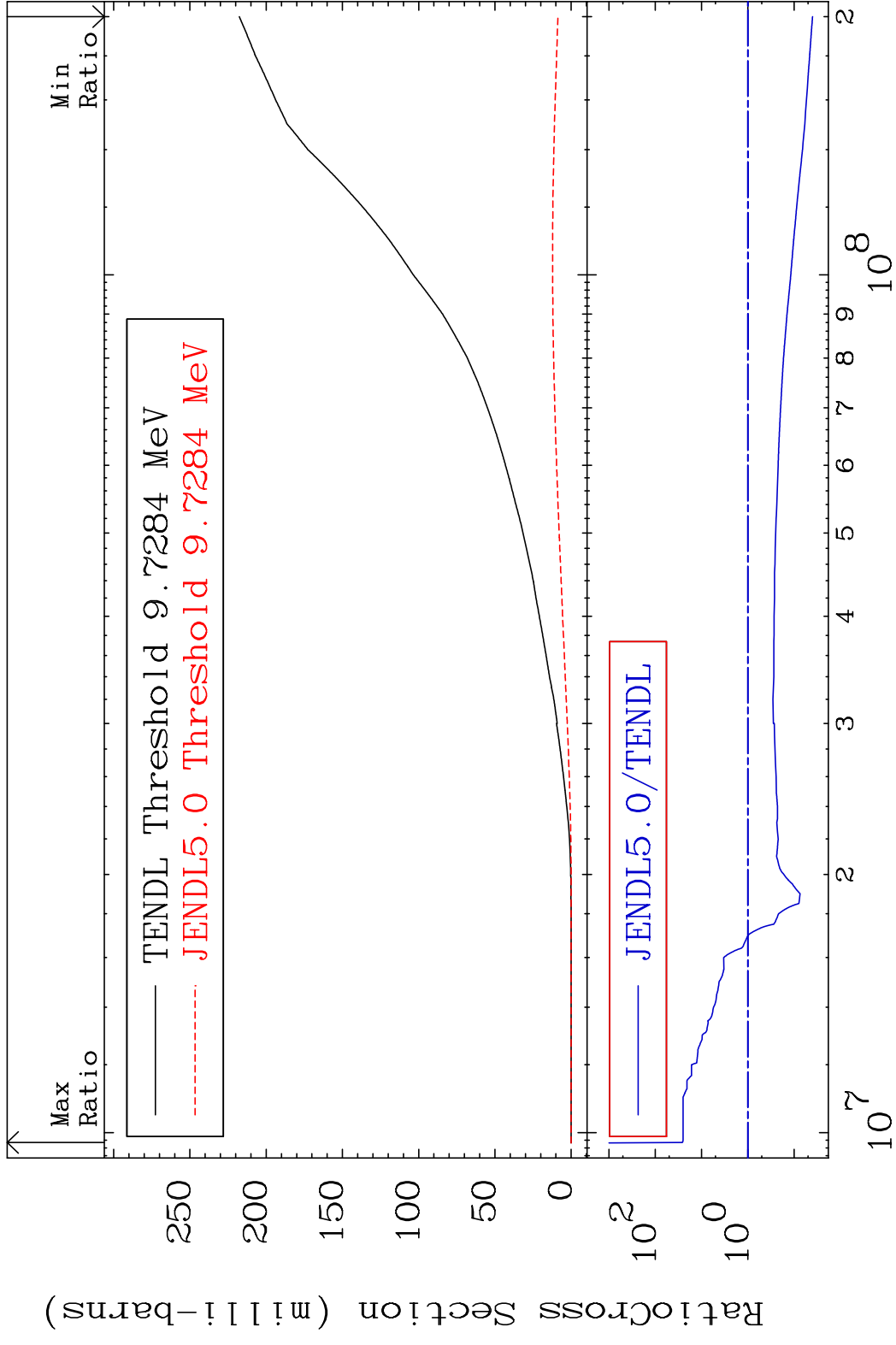
Incident Energy (eV)

²²Ti-46

MAT 2225 Tritium Production 22-Ti-46
 Cross Section -81.76 To 9999. %



MAT 2225 He-3 Production 22-Ti-46
 Cross Section -96.01 To 2495. %



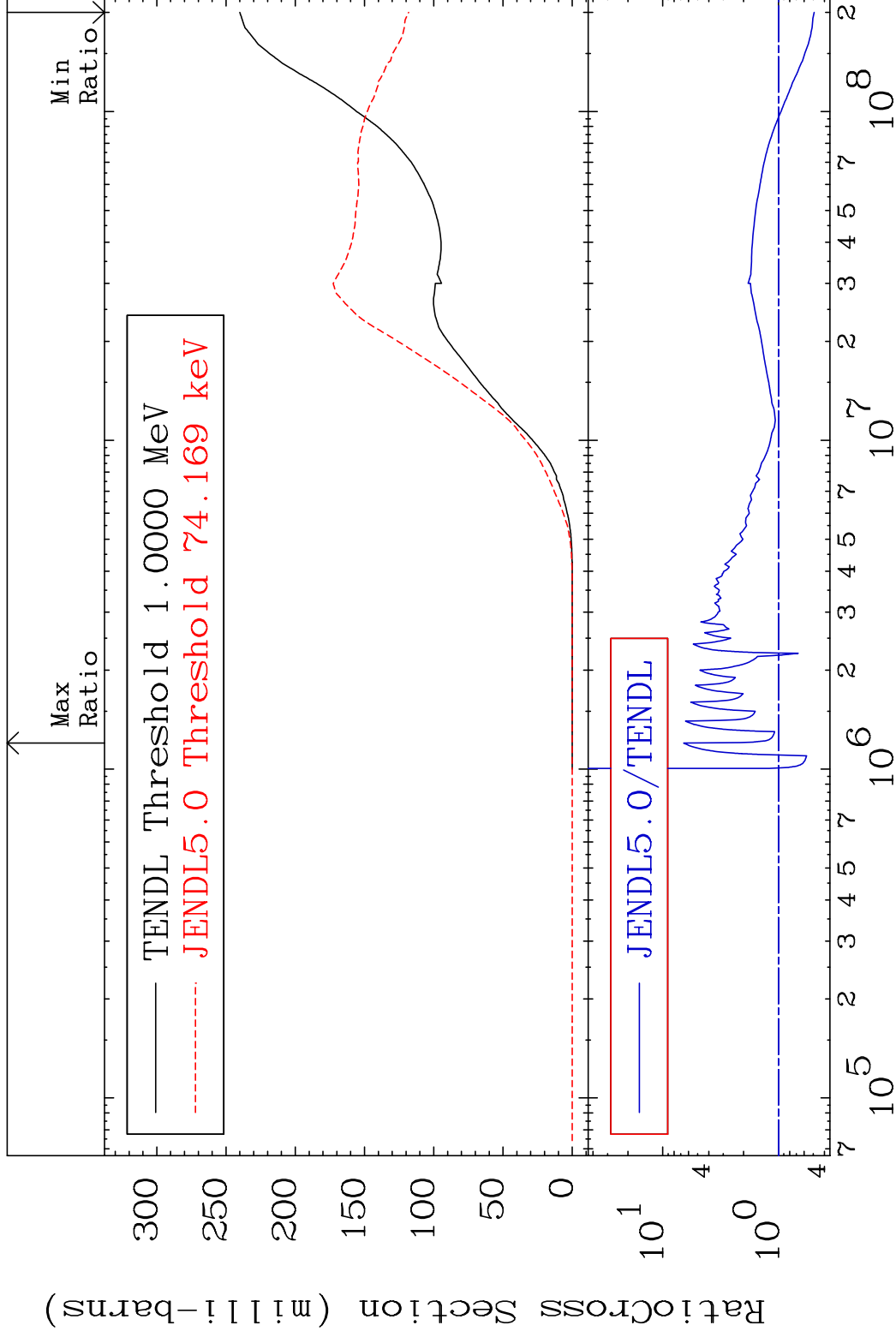
52 22-Ti-46

MAT 2225

He-4 Production

²²Ti-46

Cross Section -50.77 To 559.9 %

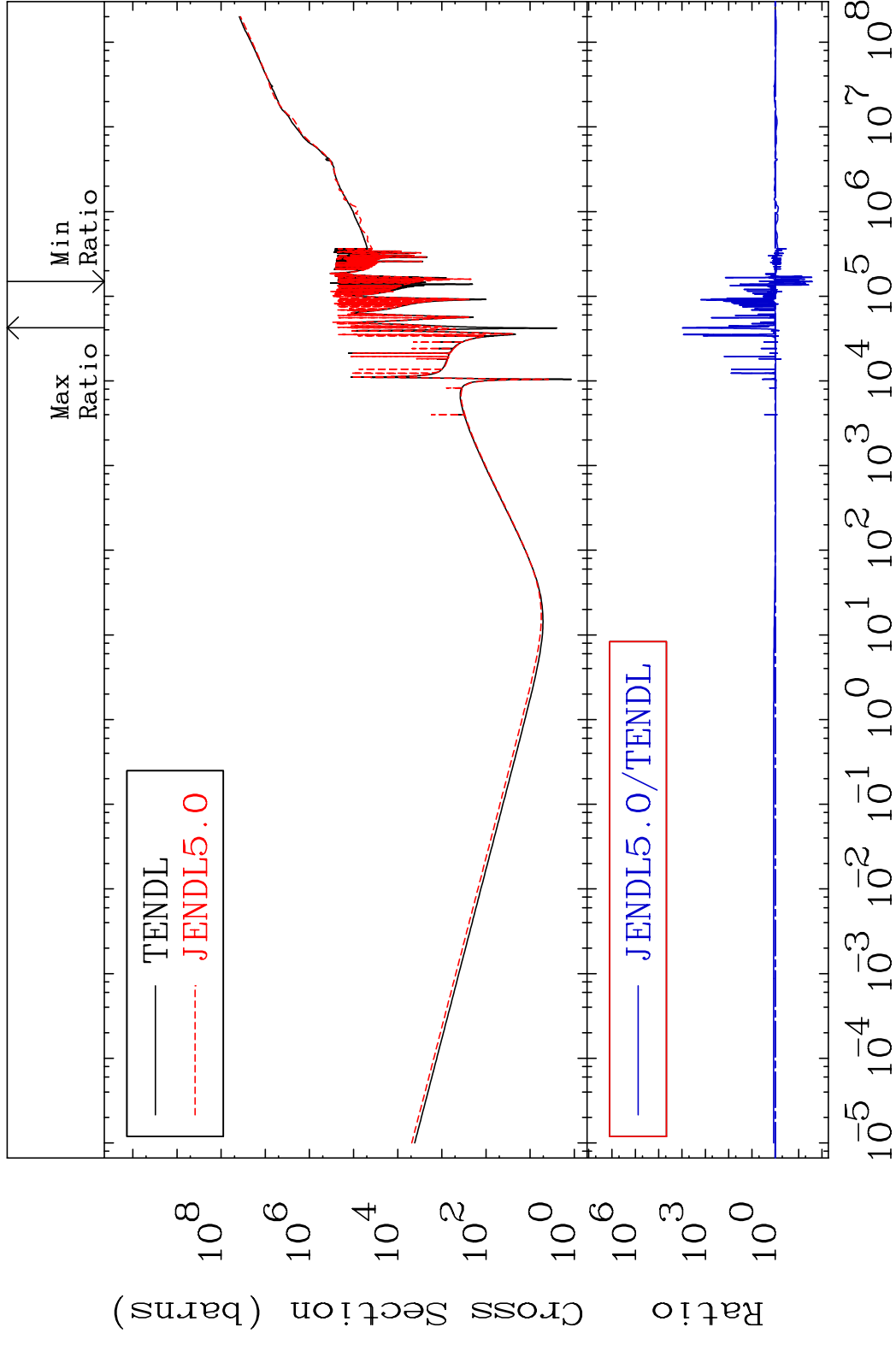


53

Incident Energy (eV)

²²Ti-46

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

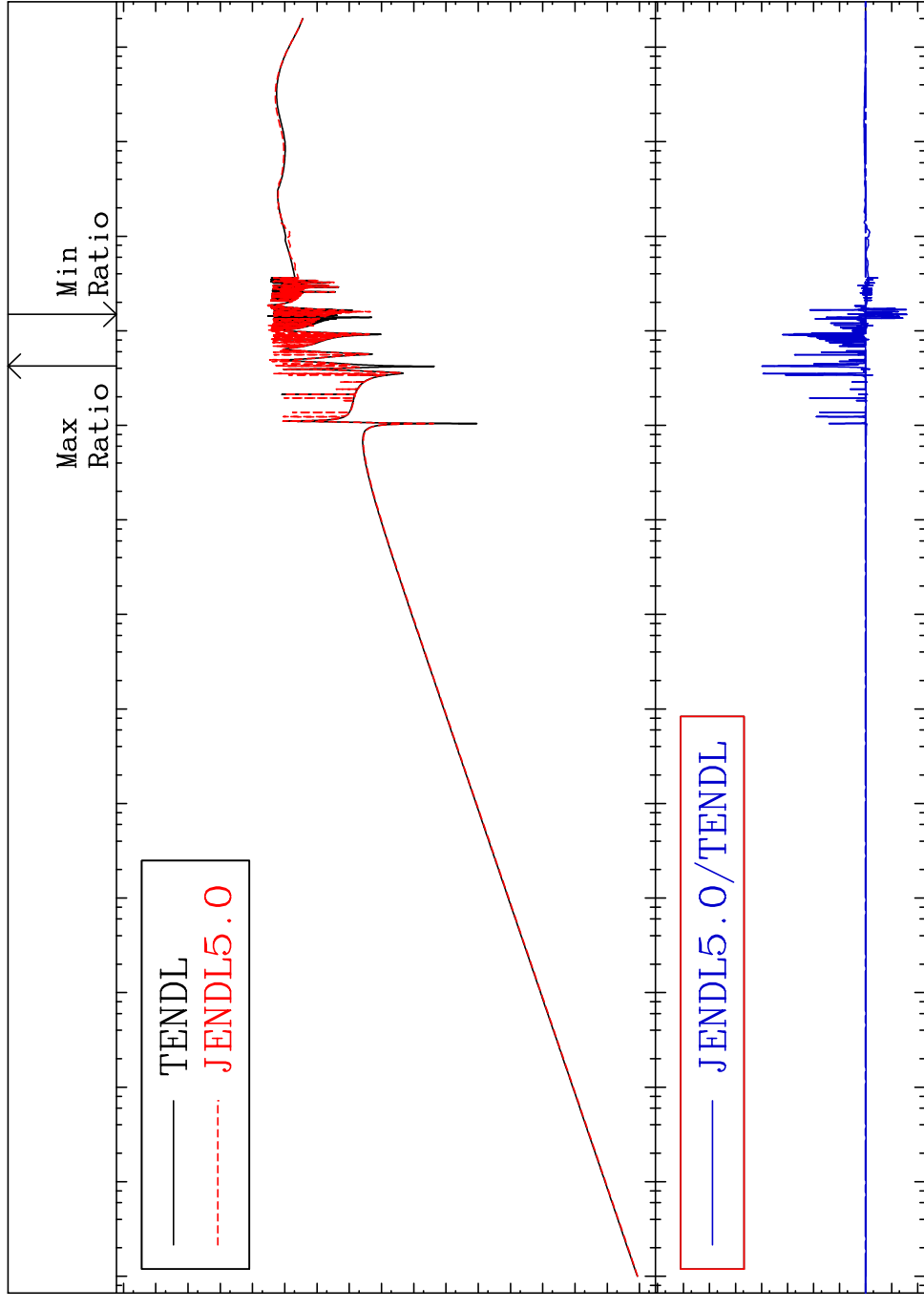


54 Incident Energy (eV) 22-Ti-46

MAT 2225

Kerma elastic
Cross Section -97.48 To 9999. %

22-Ti-46



Cross Section (barns)
Ratio

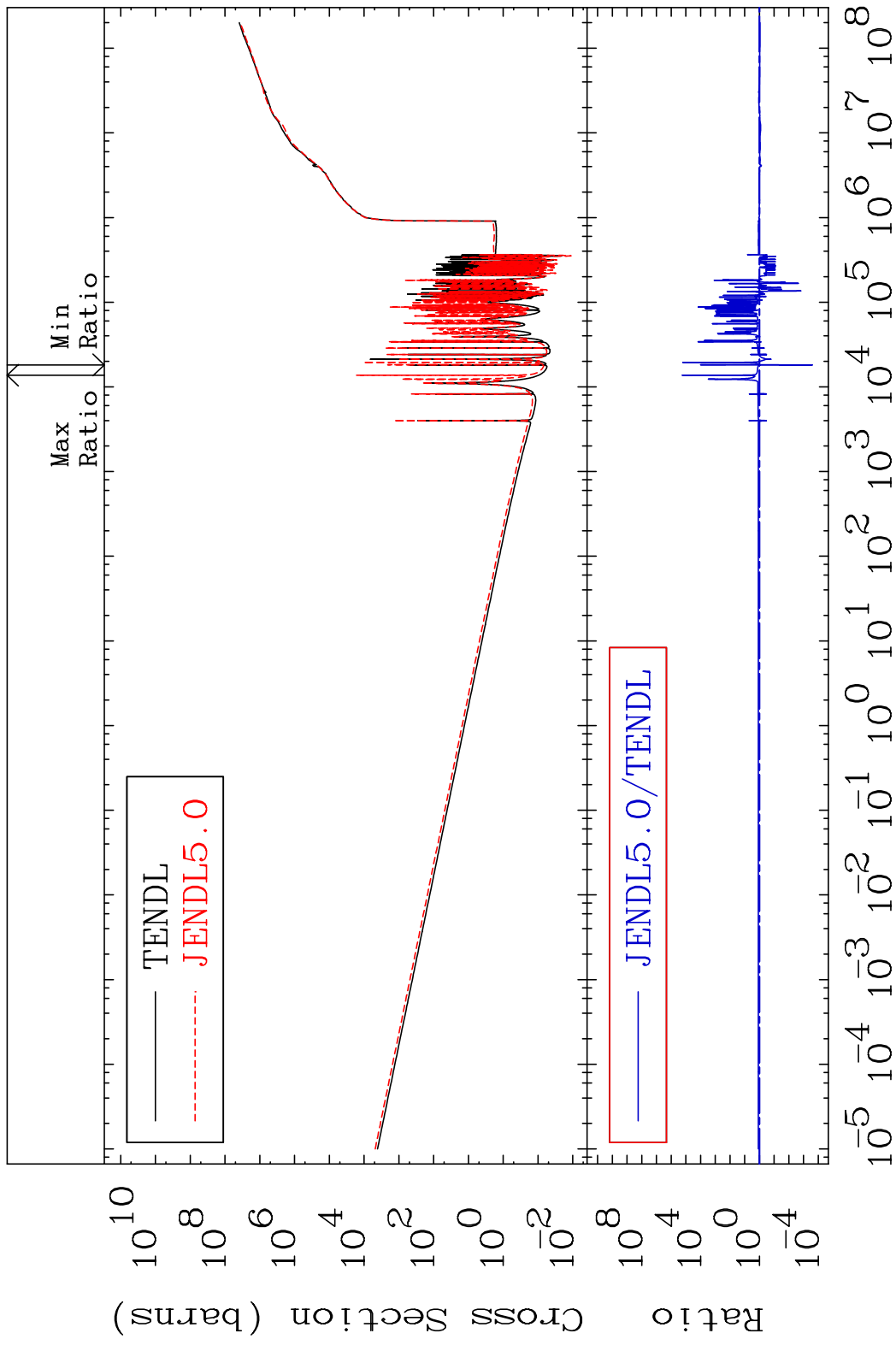
10⁸ 10⁶ 10⁴ 10² 10⁰ 10⁻² 10⁻⁴ 10⁻⁶ 10⁻⁸
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

55

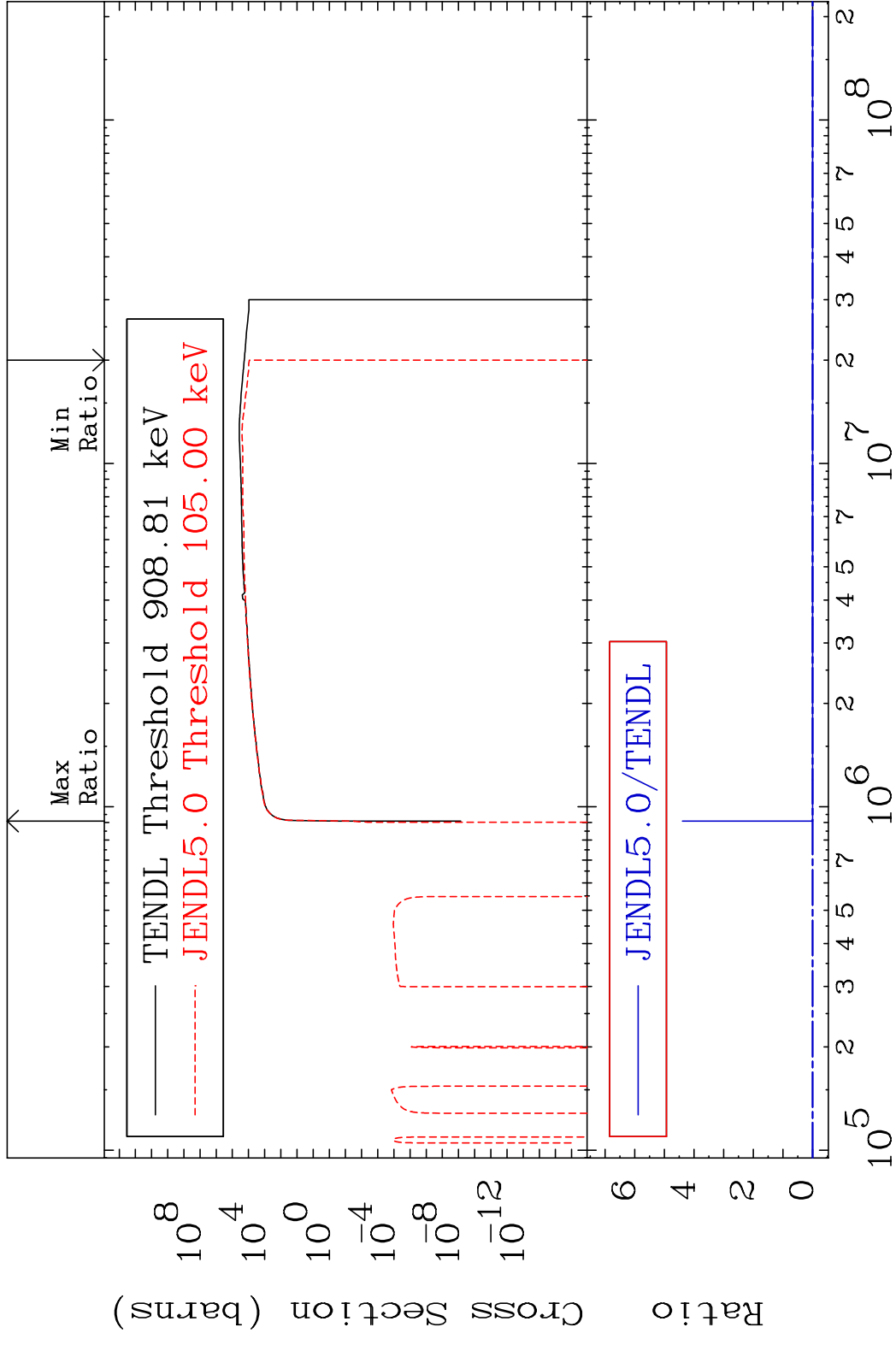
Incident Energy (eV)

22-Ti-46

MAT 2225 Kerma non-elastic (all but mt2) 22-Ti-46
 Cross Section -99.98 To 9999. %

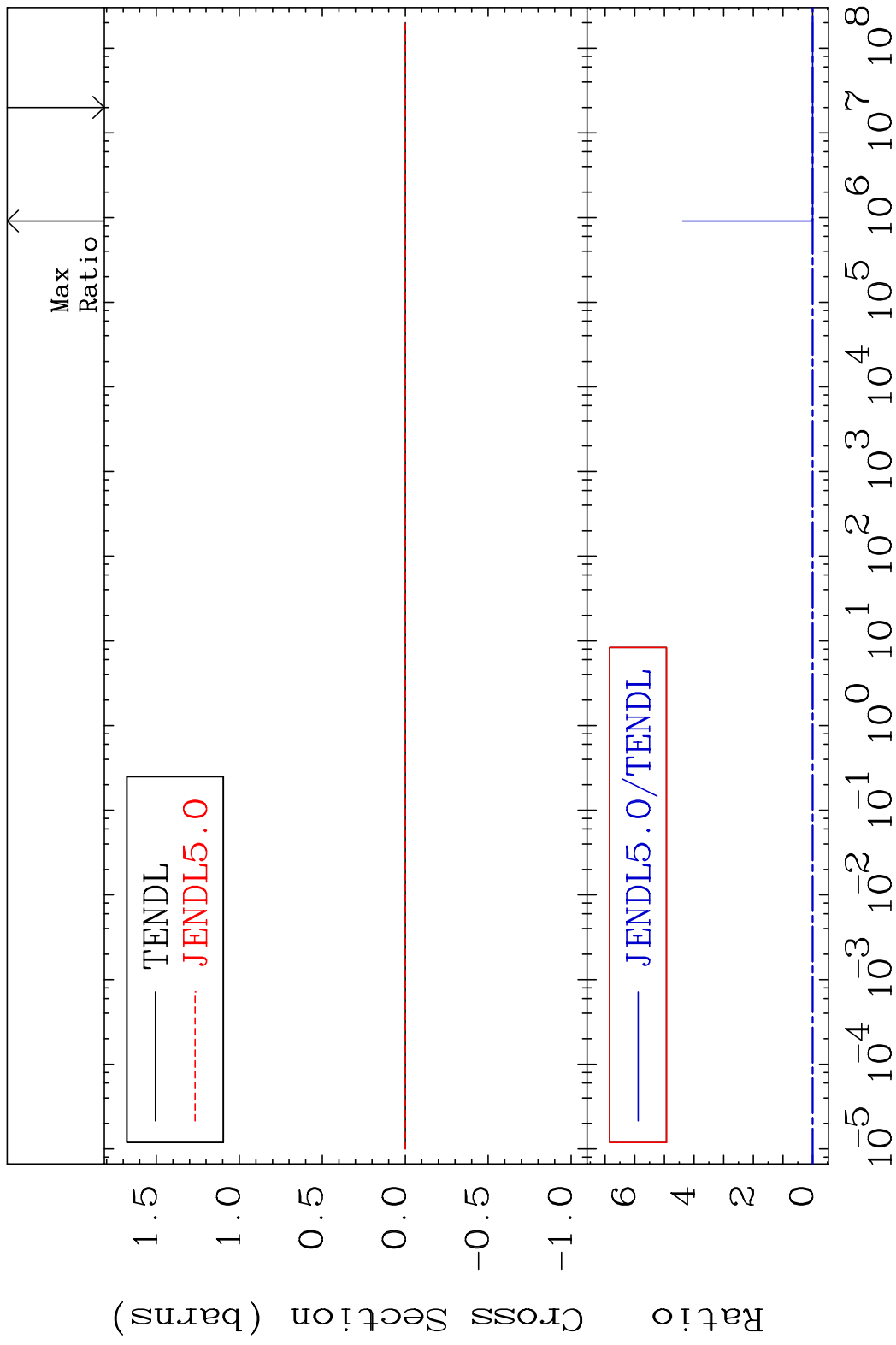


MAT 2225 Kerma inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 9999. %



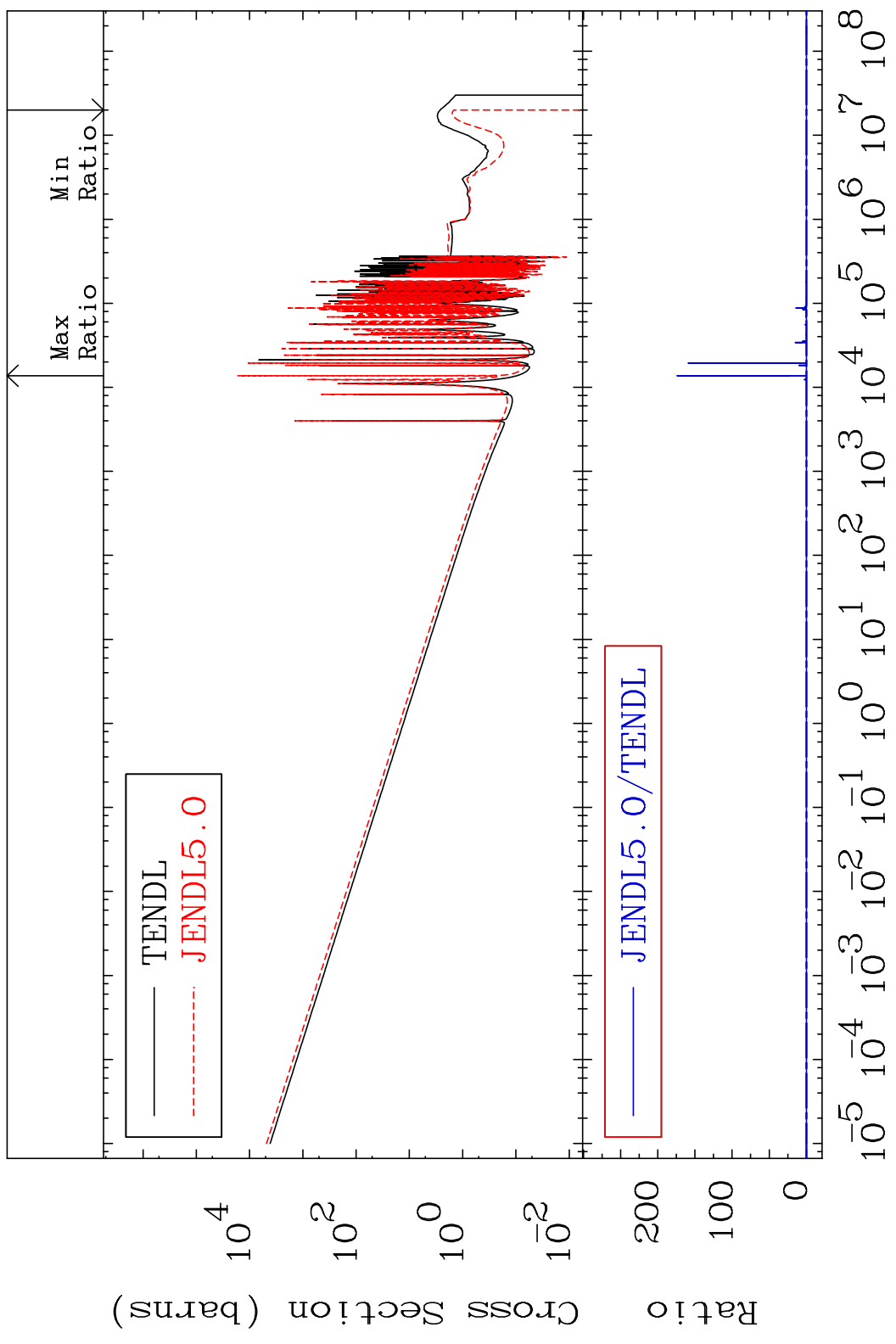
57 Incident Energy (eV) 22-Ti-46

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. %

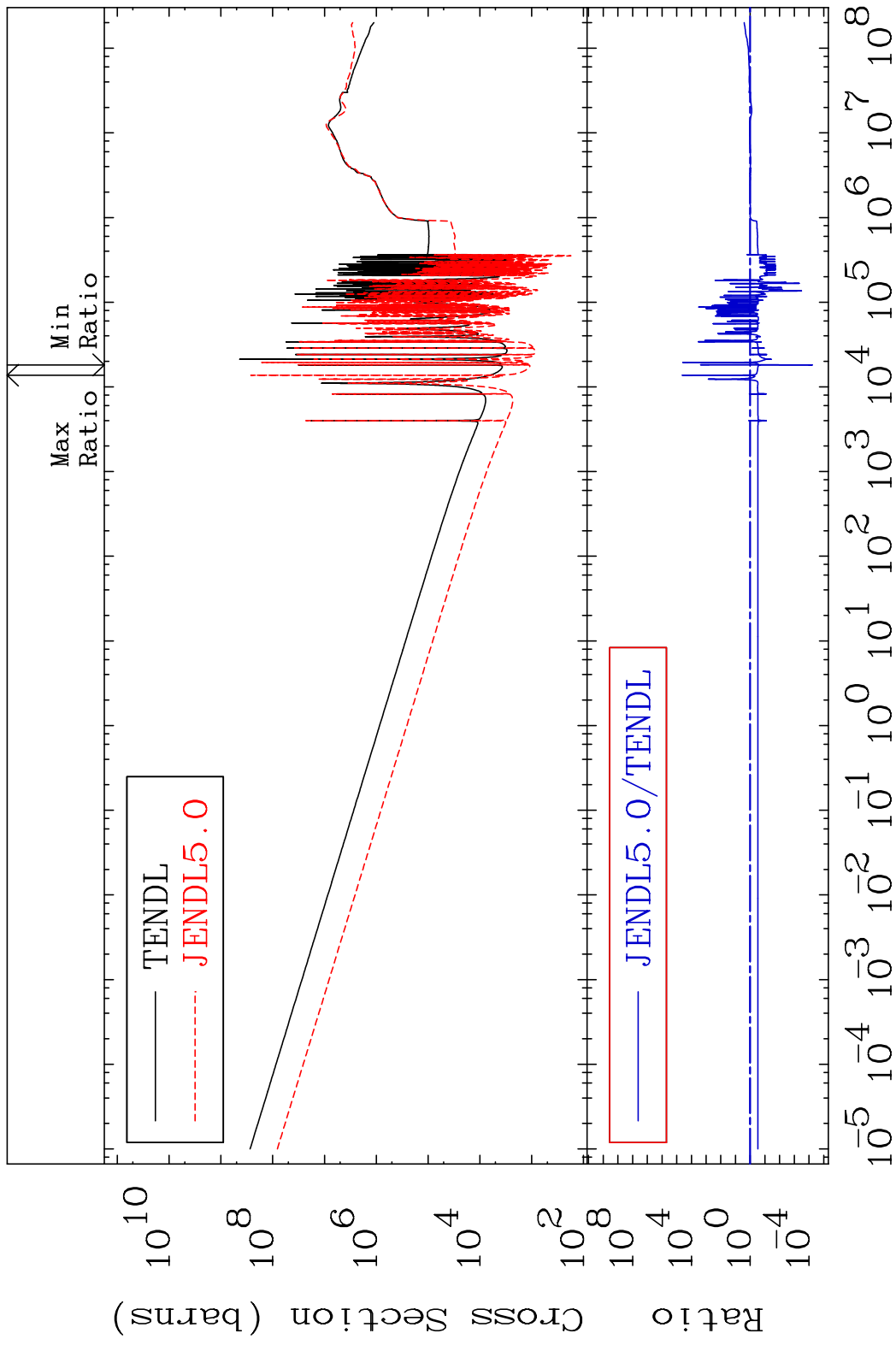


59

Incident Energy (eV)

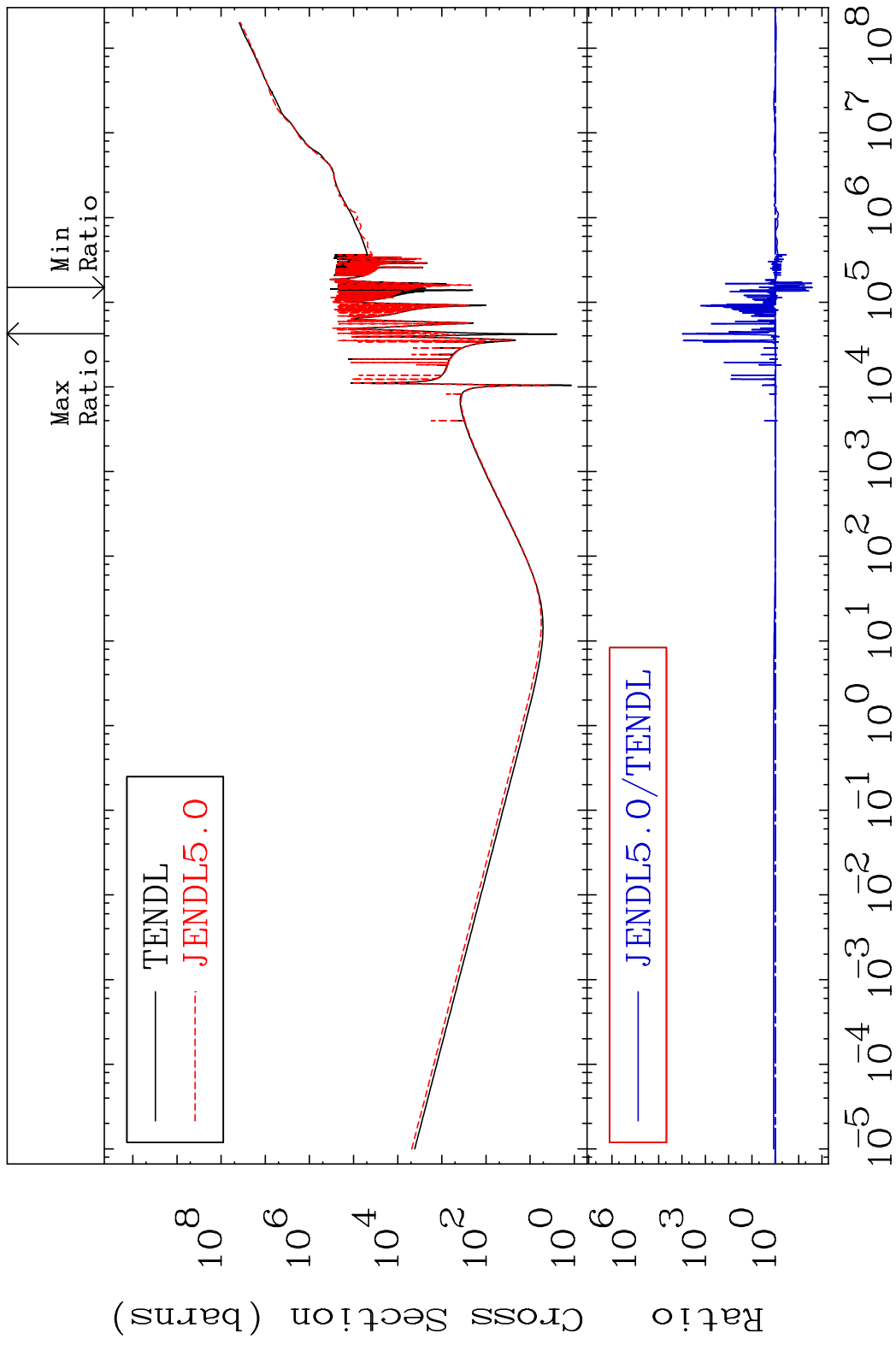
22-Ti-46

MAT 2225 Total photon (eV-barns) 22-Ti-46
Cross Section -99.99 To 9999. %



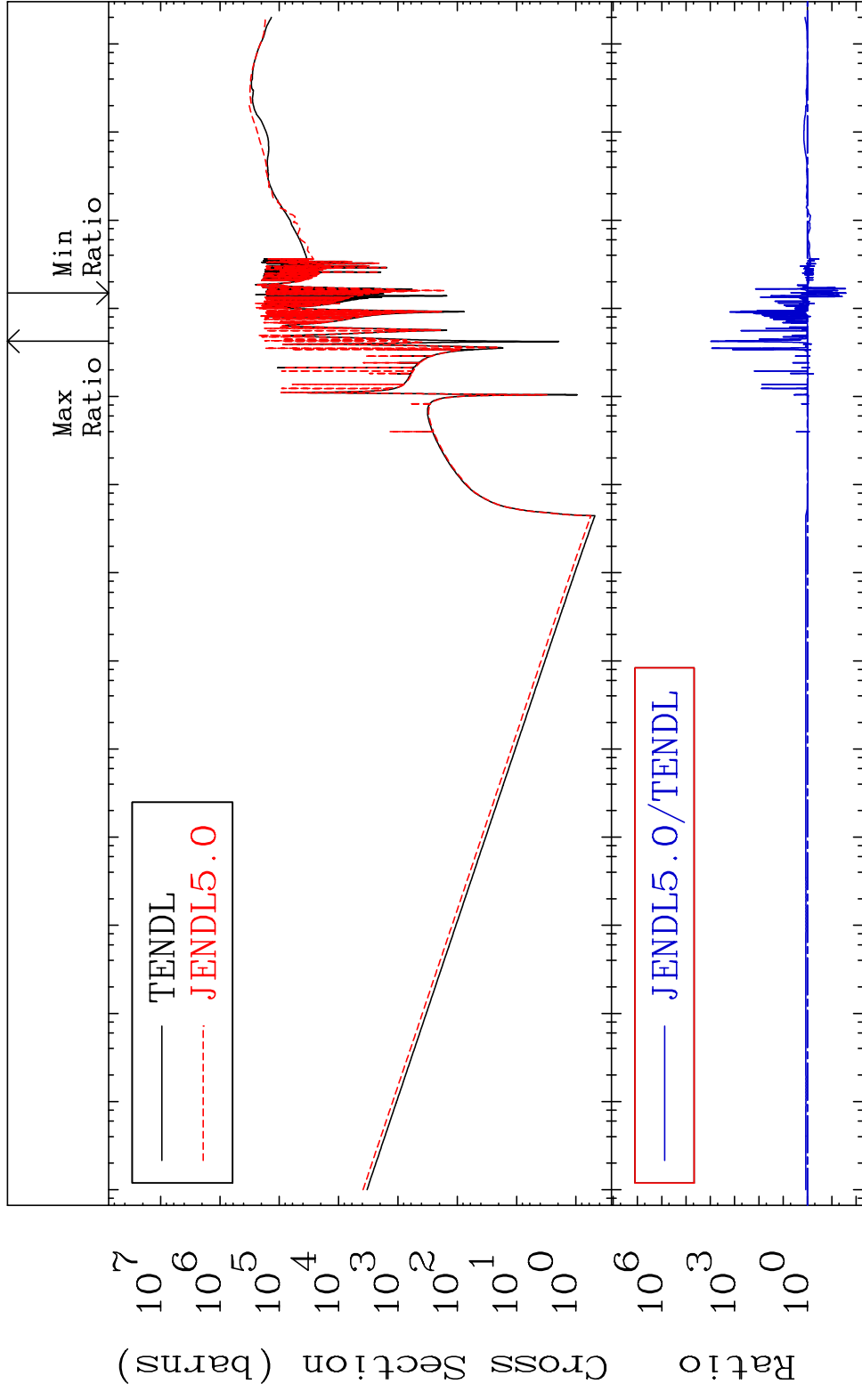
60 Incident Energy (eV) 22-Ti-46

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



61 Incident Energy (eV) 22-Ti-46

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



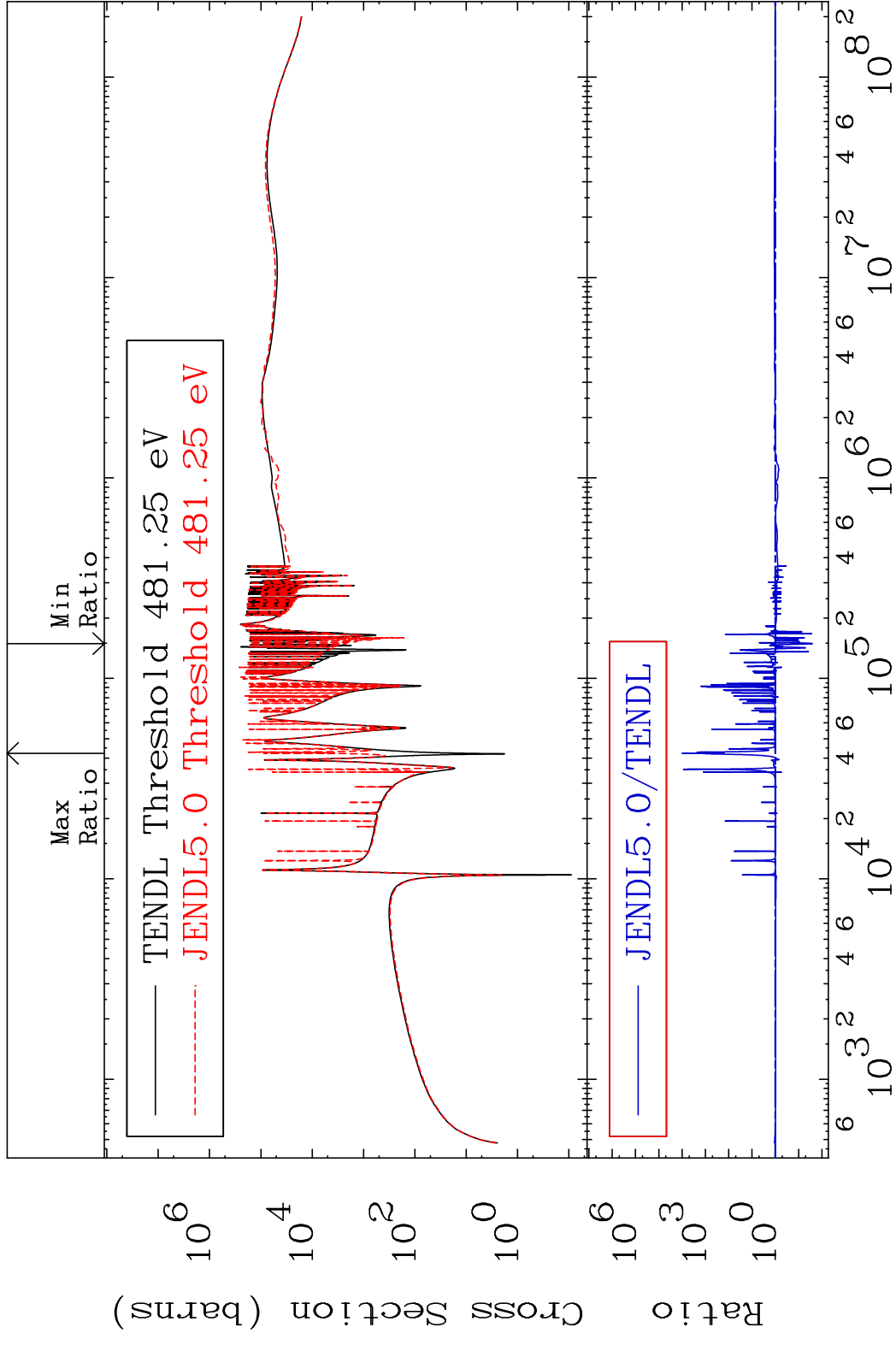
62 Incident Energy (eV) 22-Ti-46

MAT 2225

Dpa elastic (mt2)

22-Ti-46

Cross Section -97.48 To 9999. %

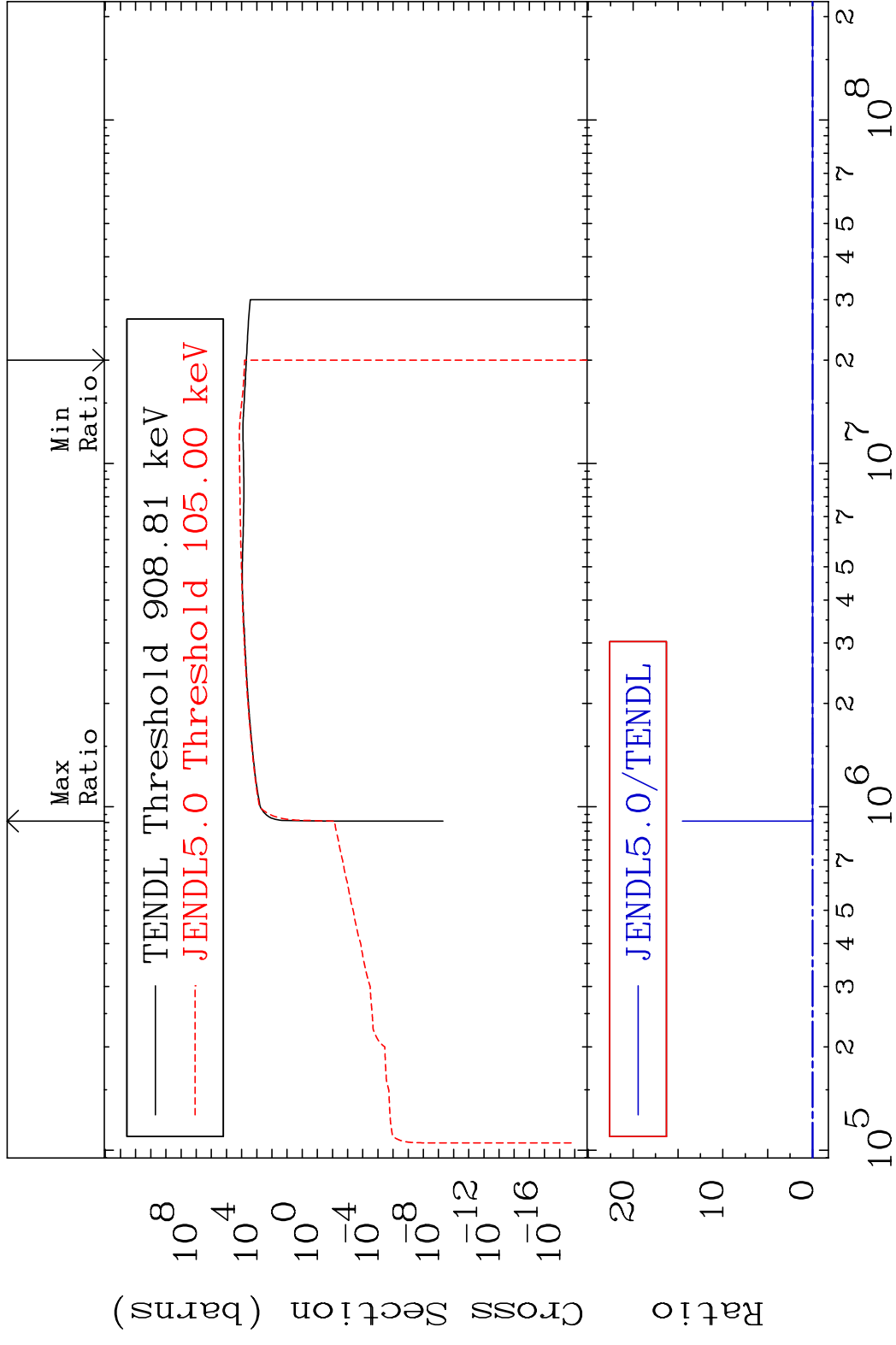


63

Incident Energy (eV)

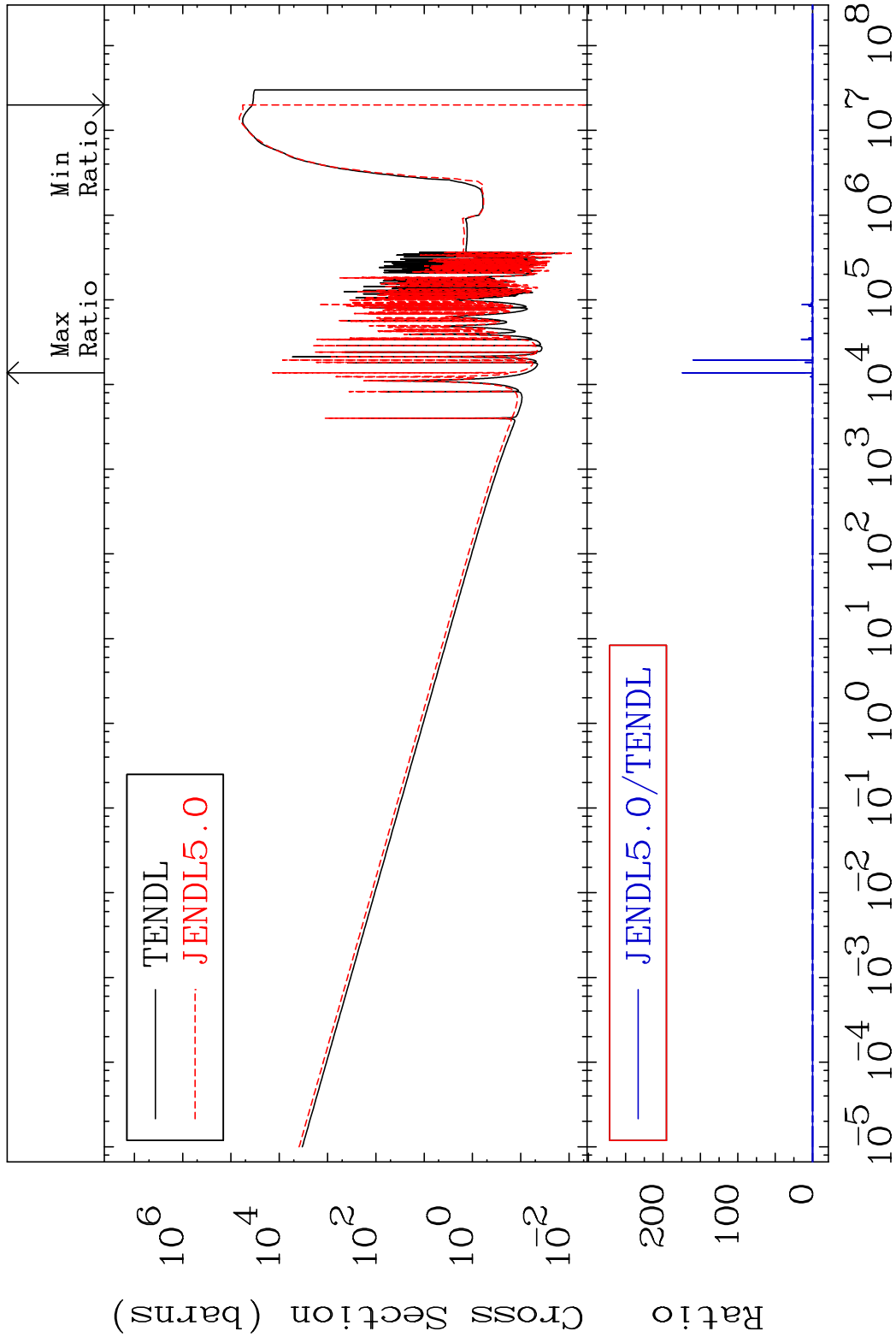
22-Ti-46

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



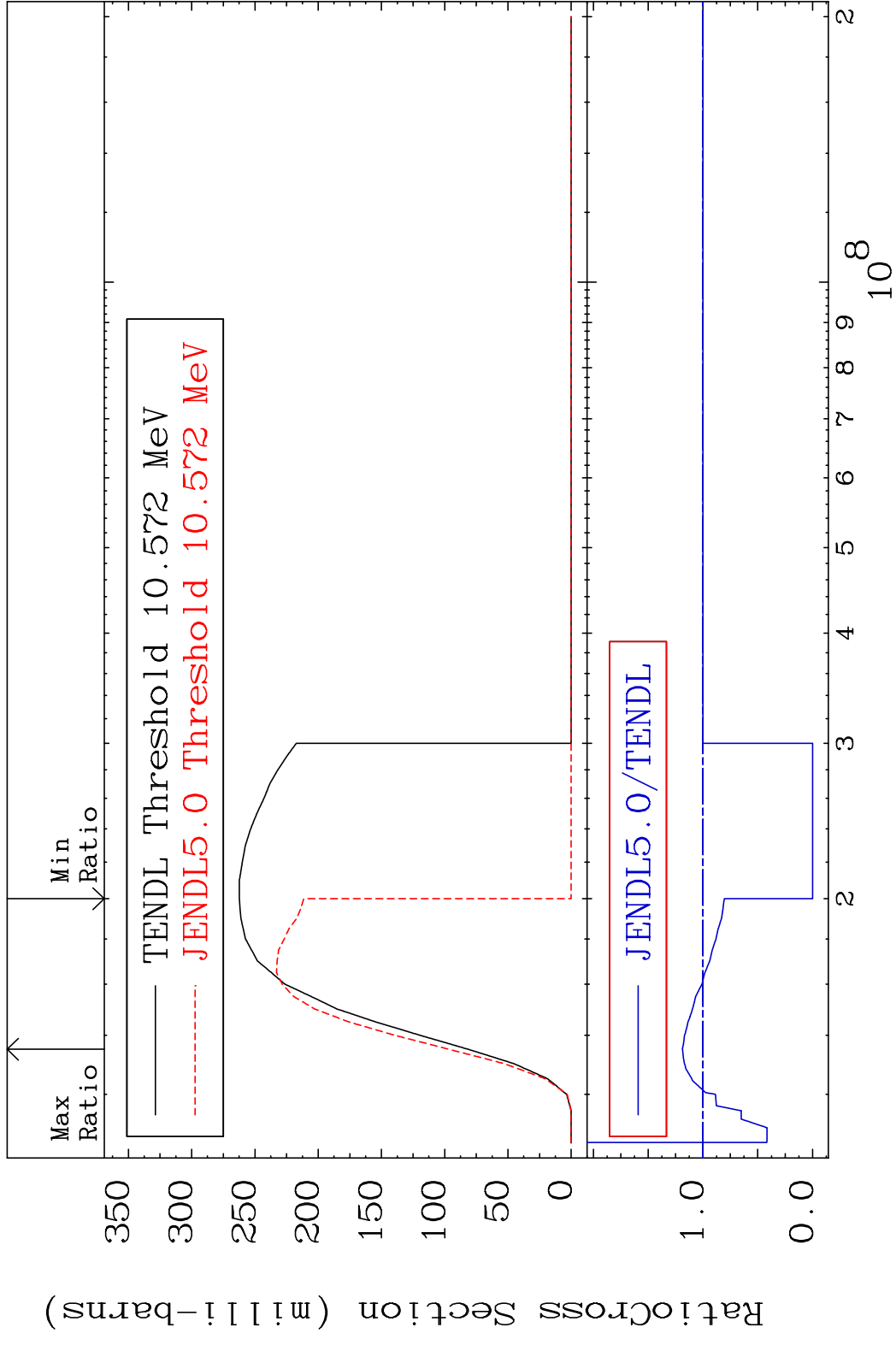
64 Incident Energy (eV) 22-Ti-46

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

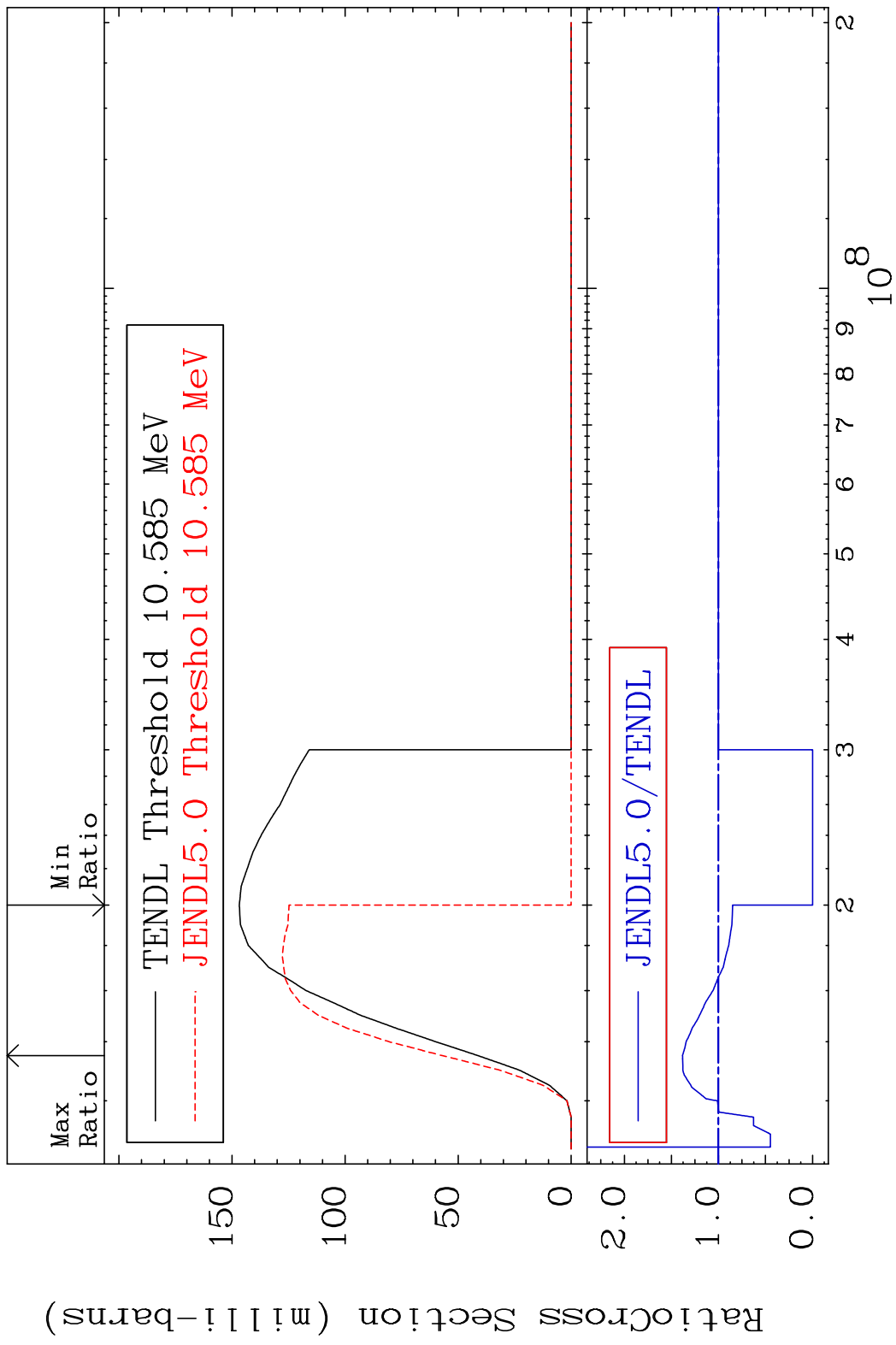


65 Incident Energy (eV) 22-Ti-46

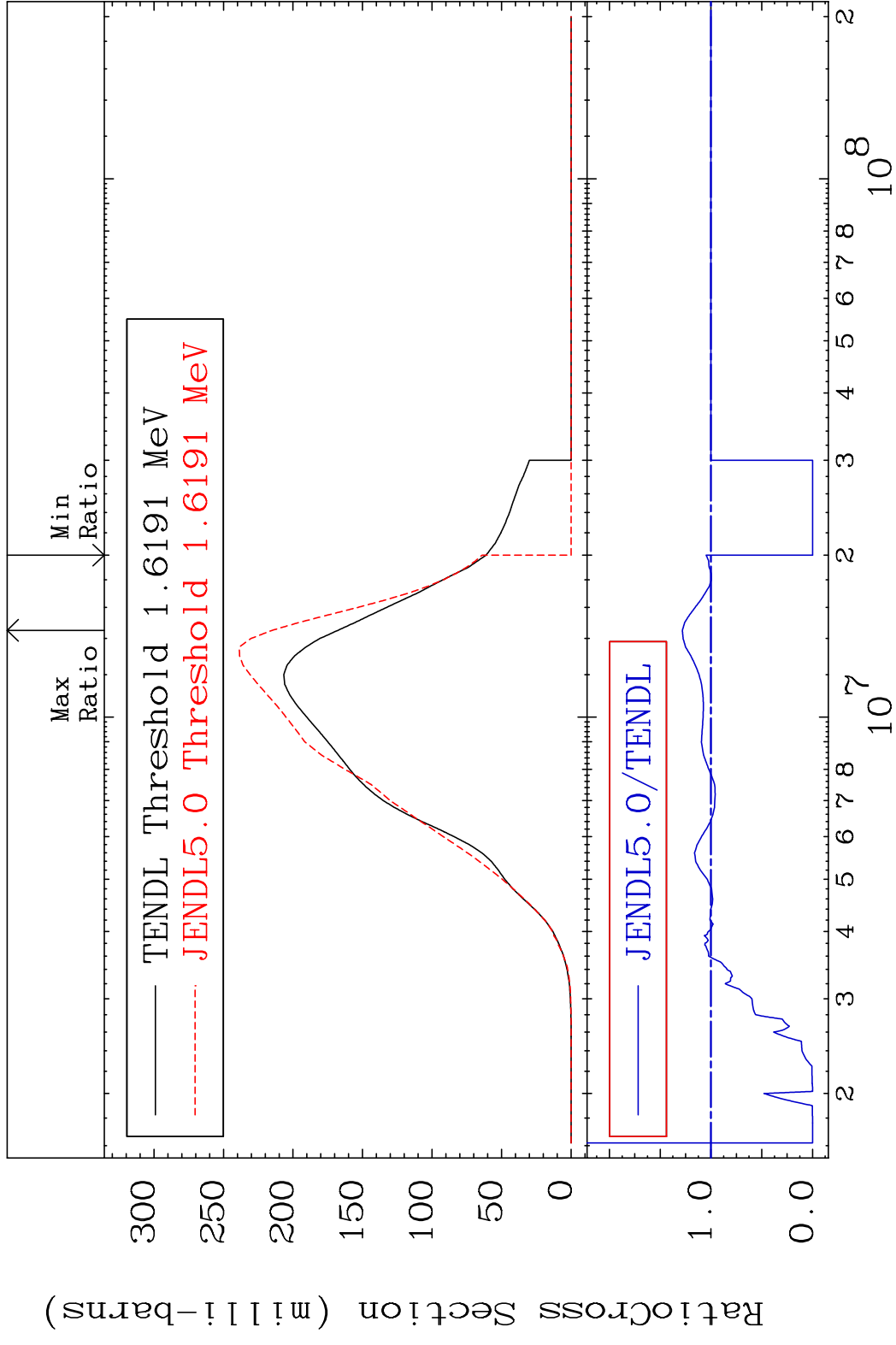
MAT 2225 (n, n') p:21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 18.80 %



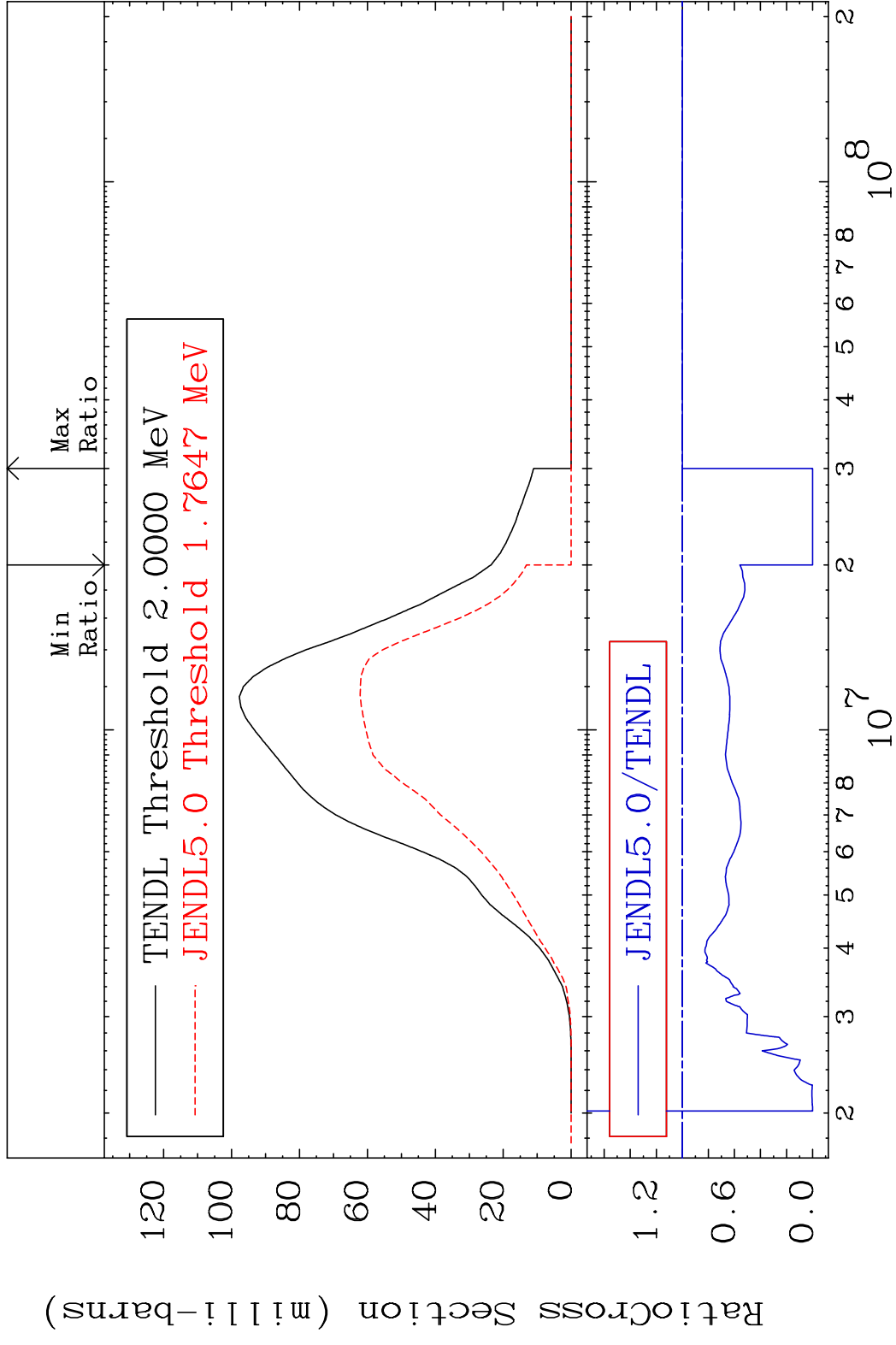
MAT 2225 (n, n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 180.0 dth 38.37 %



MAT 2225 (n, p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section Ratio 28.19 %

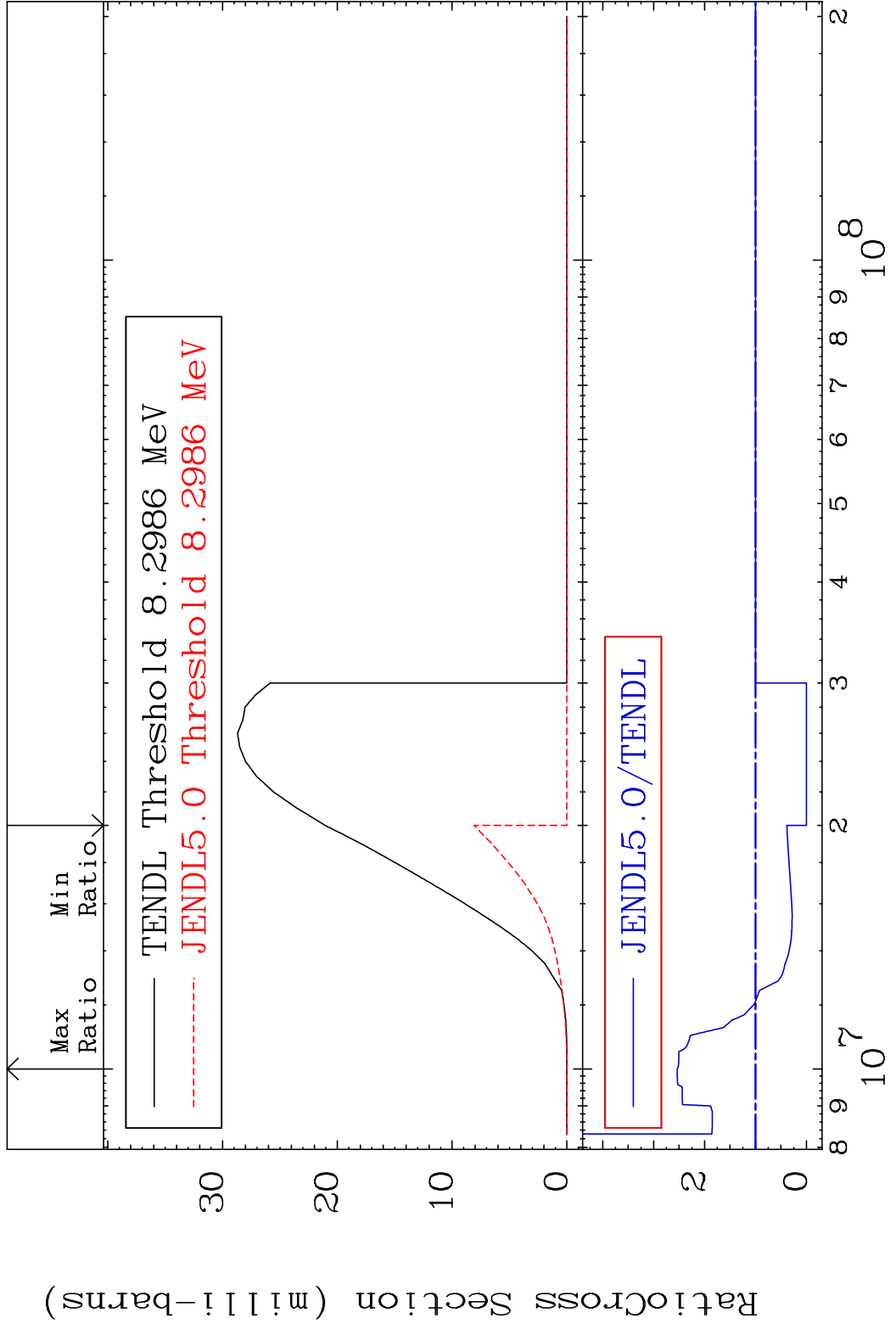


MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section 0.000 %



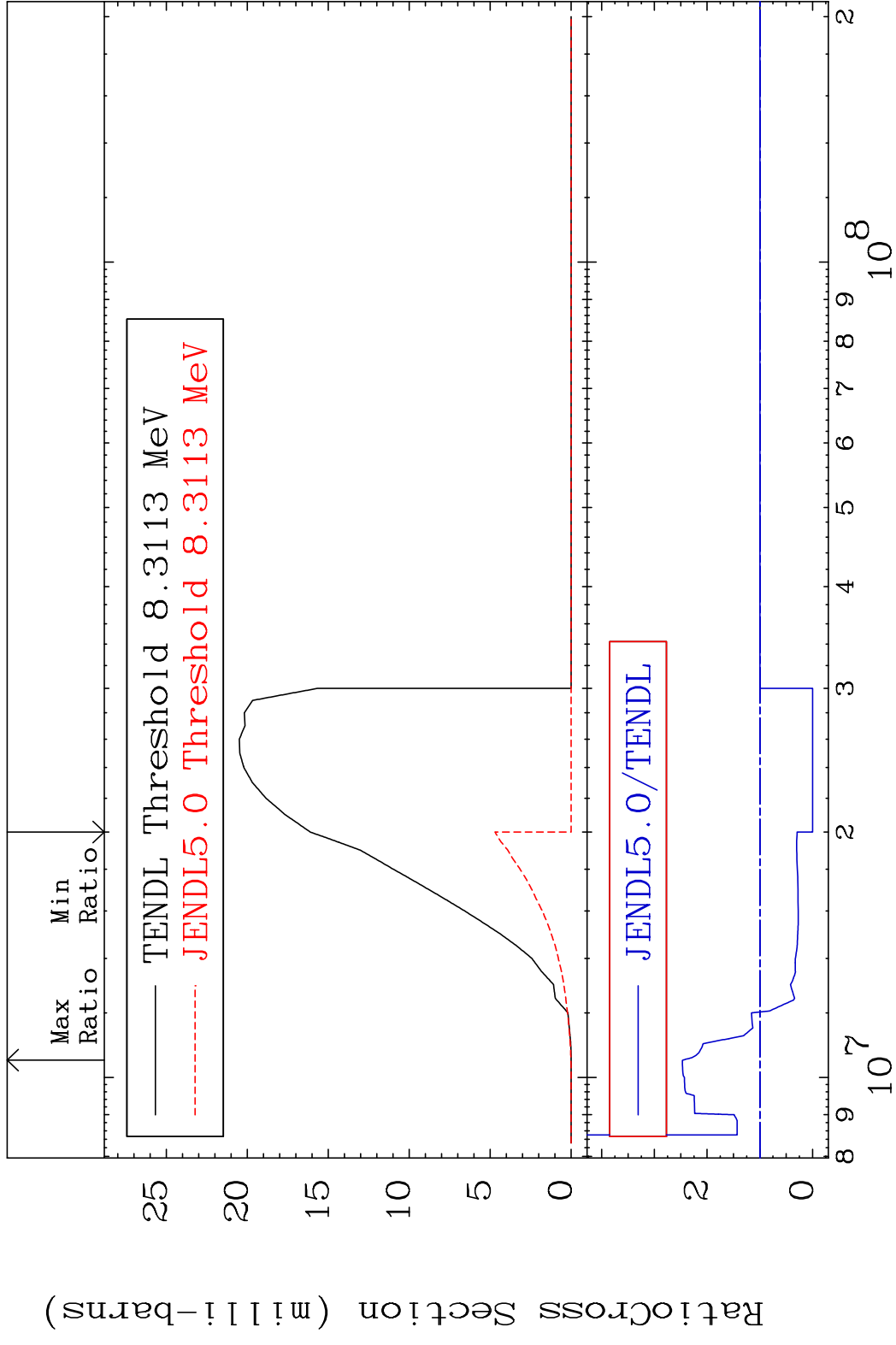
69 Incident Energy (eV) 22-Ti-46

MAT 2225 (n,d):21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 153.7 %

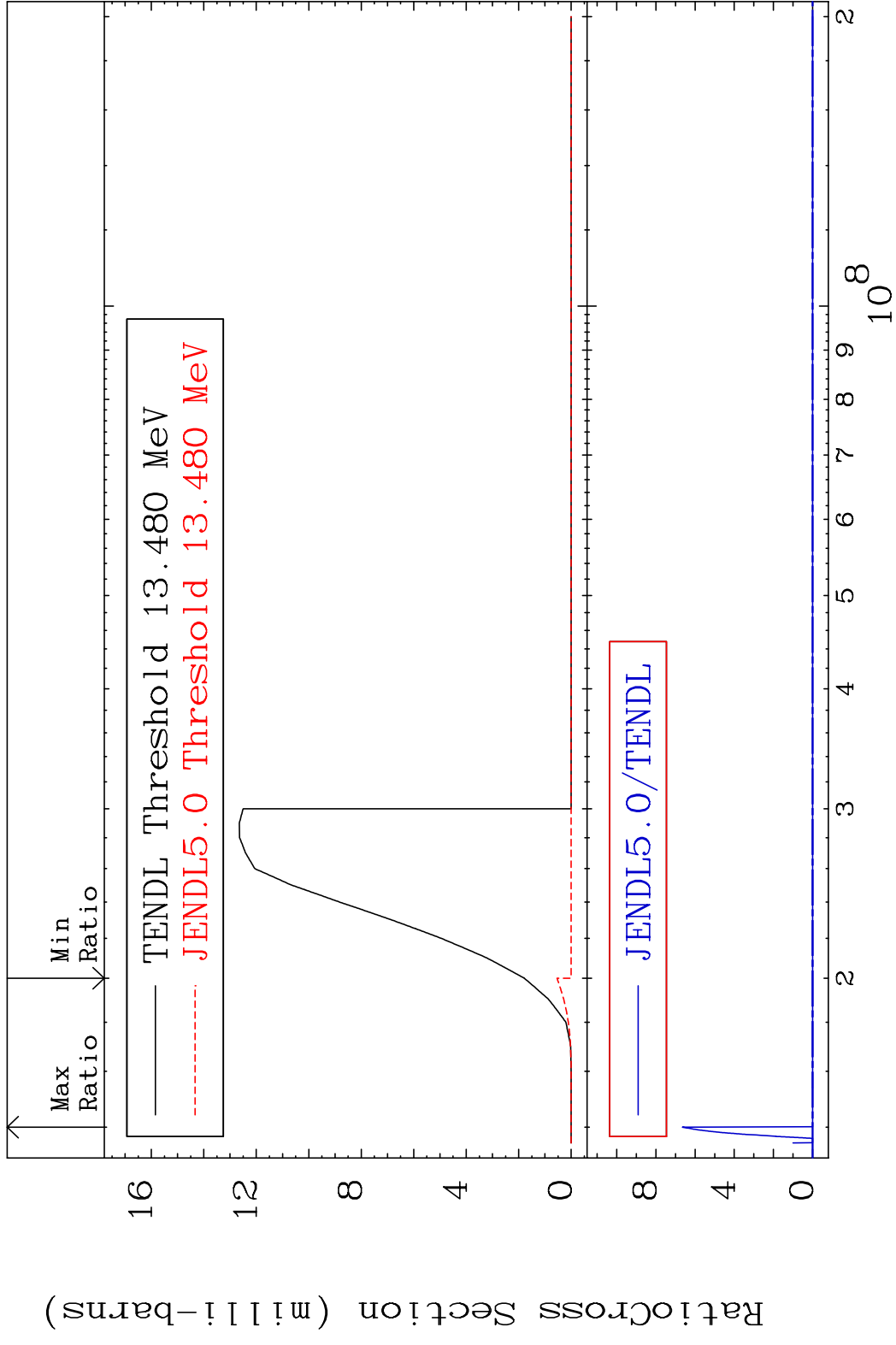


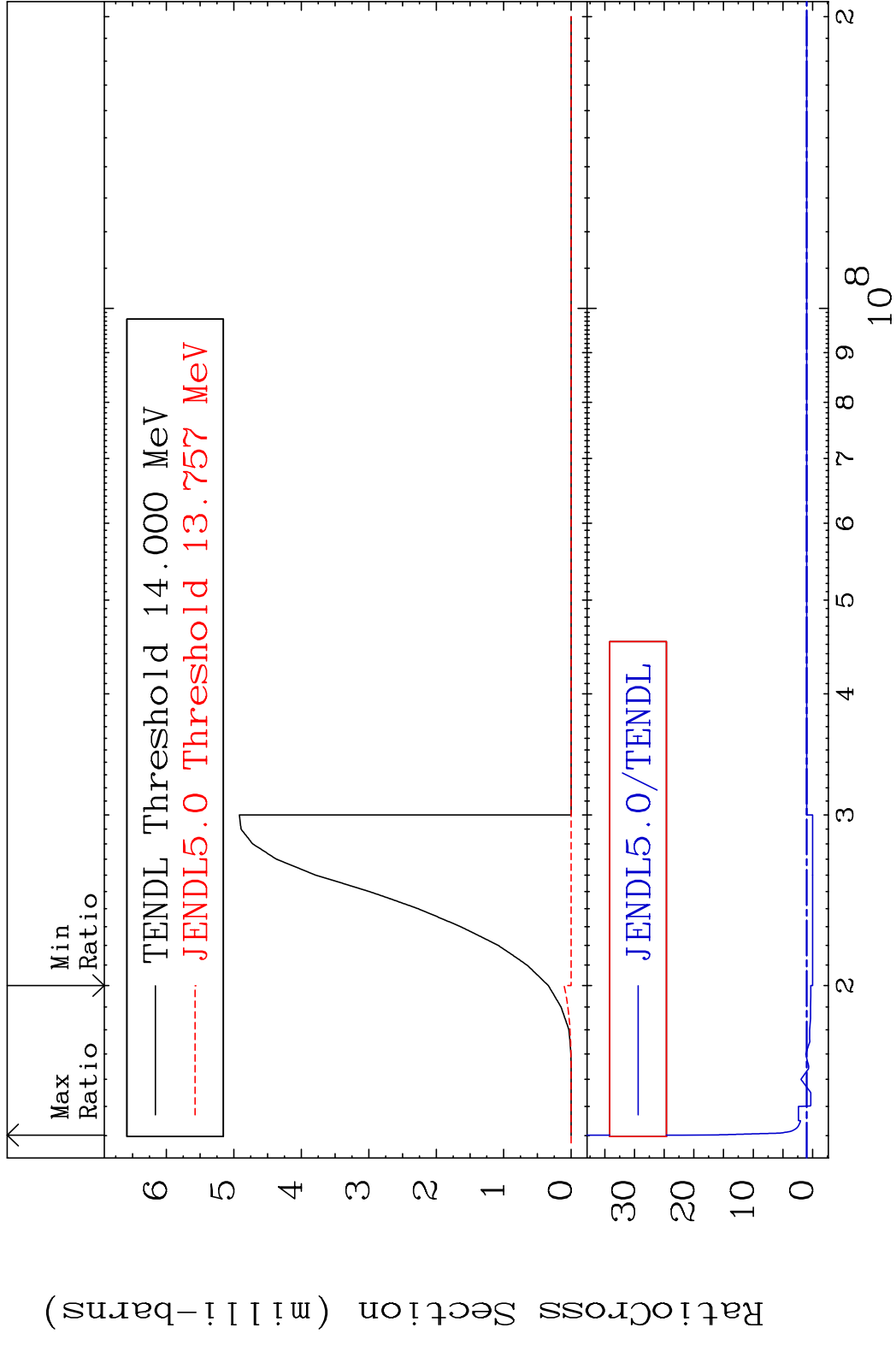
70 Incident Energy (eV) 22-Ti-46

MAT 2225 (n,d):21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 180.0 mb 147.0 %



71 Incident Energy (eV) 22-Ti-46



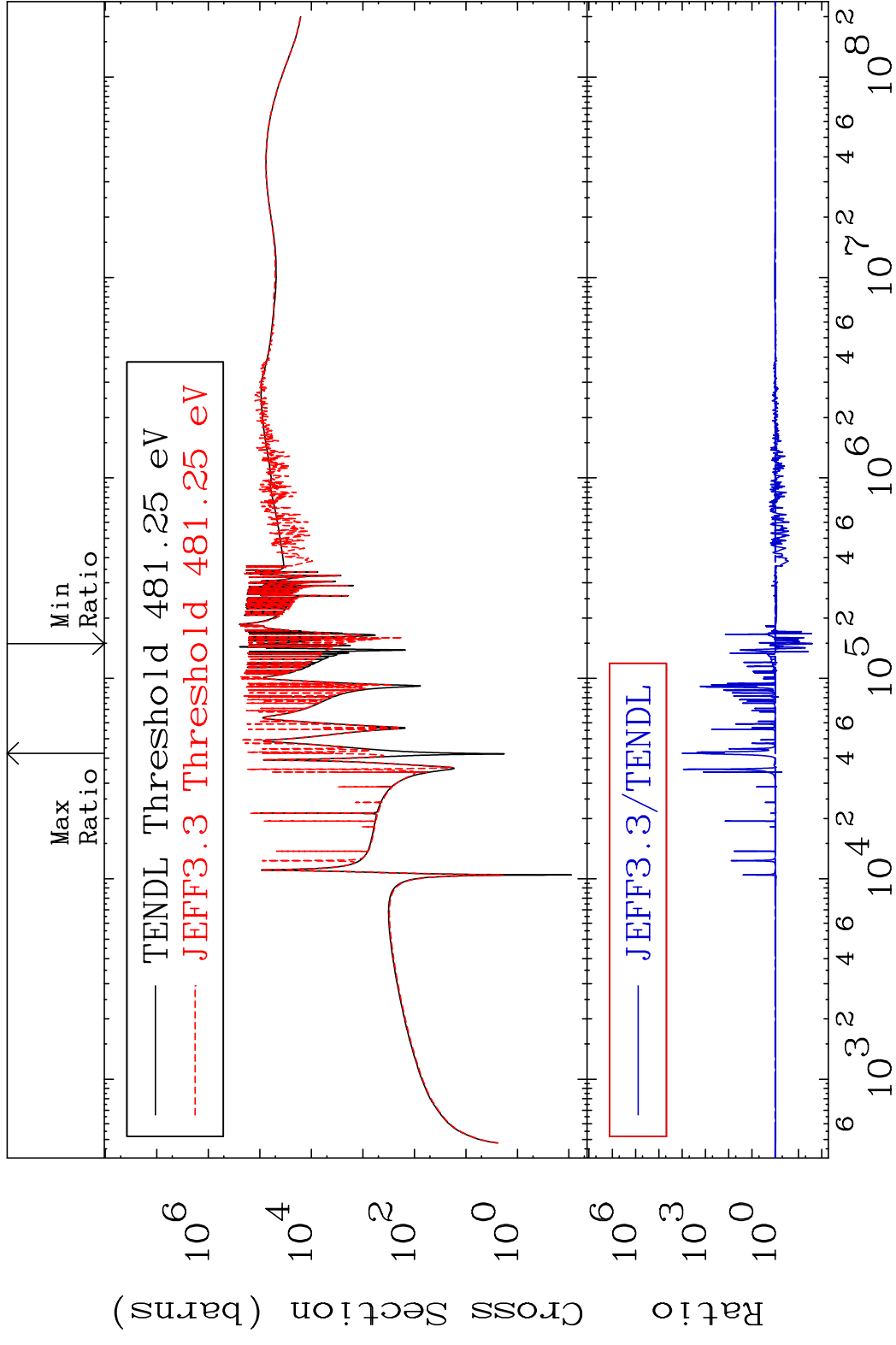


MAT 2225

Dpa elastic (mt2)

22-Ti-46

Cross Section -97.50 To 9999. %

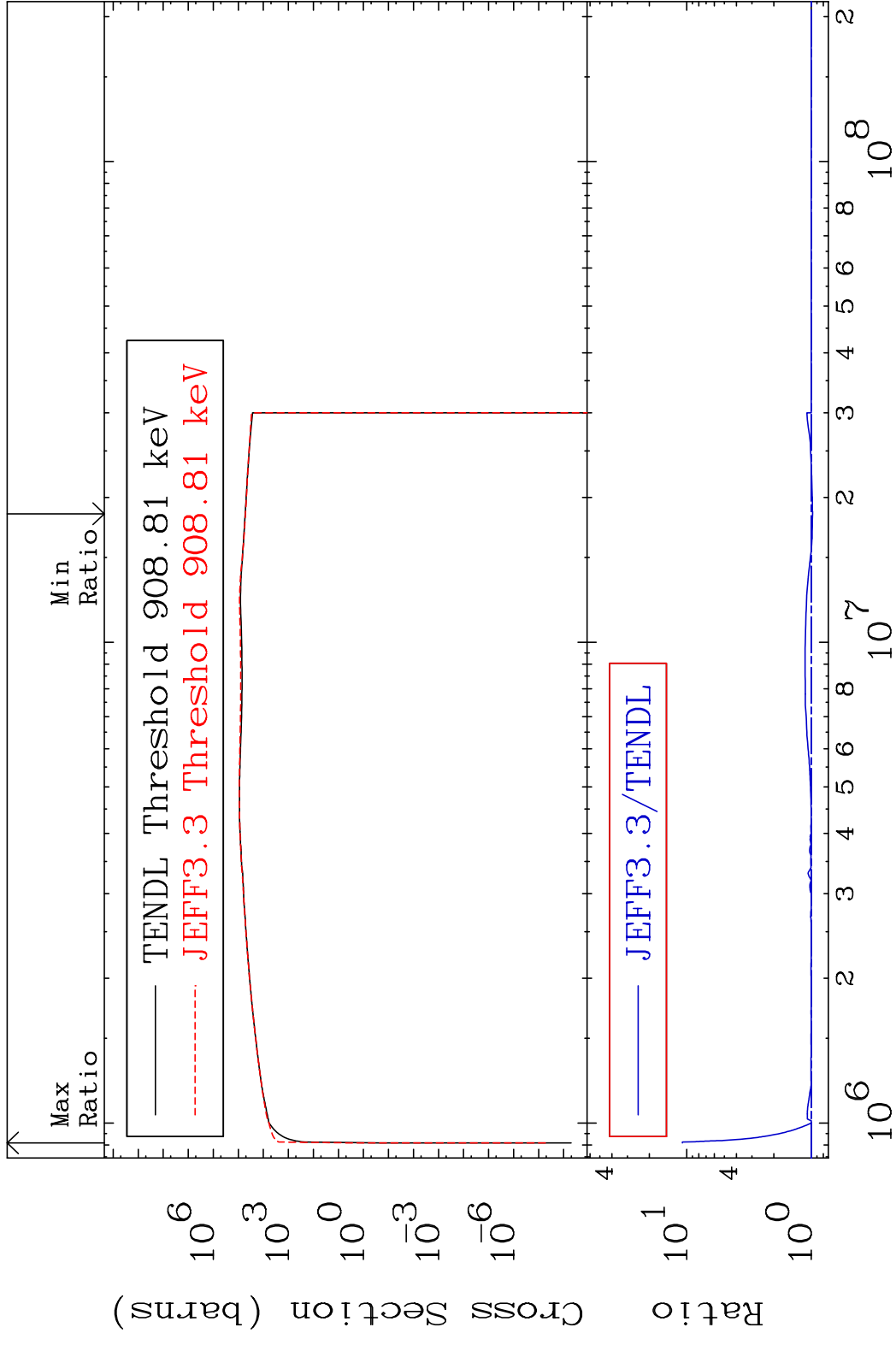


74

Incident Energy (eV)

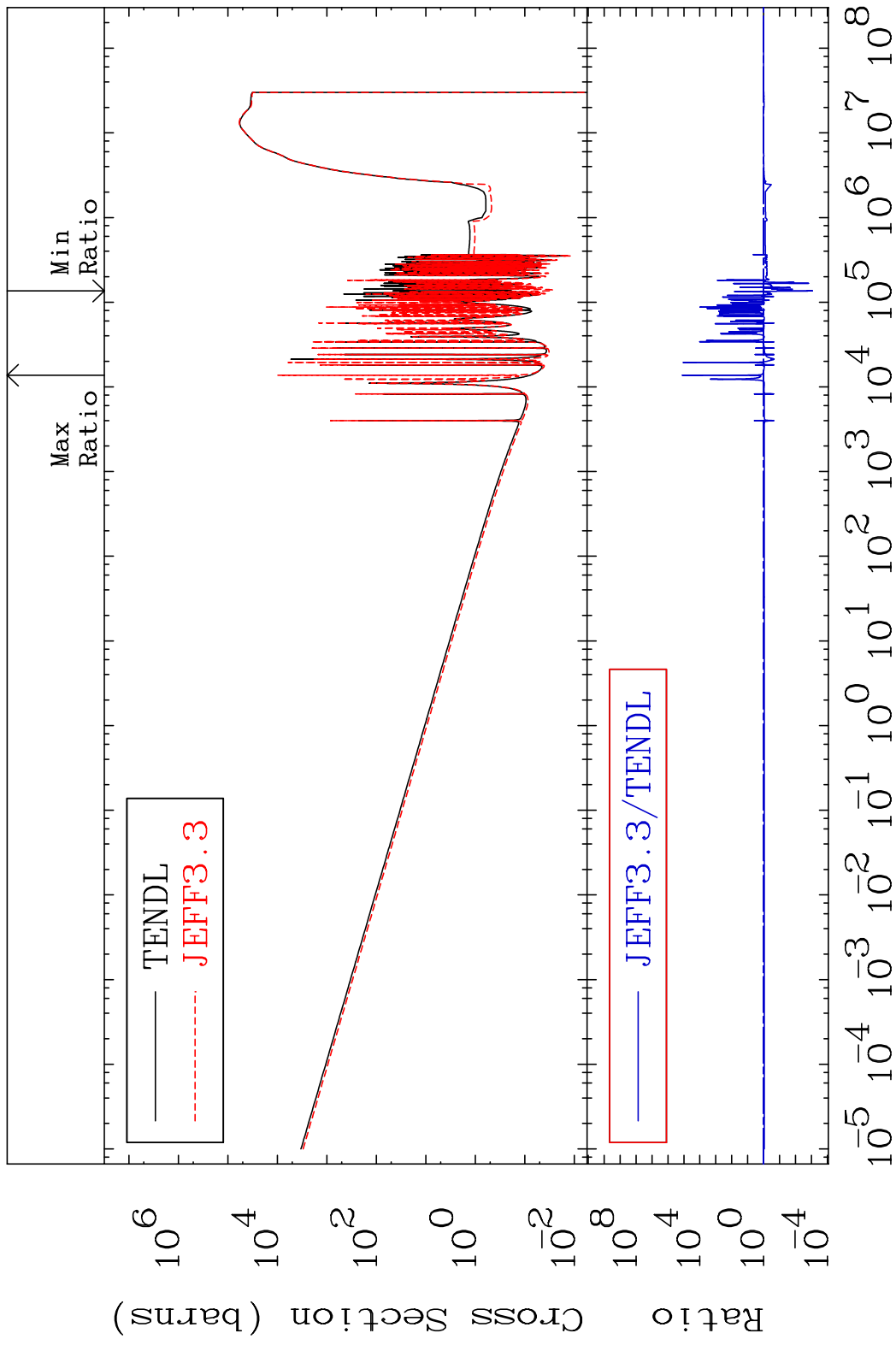
22-Ti-46

MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
Cross Section -2.362 To 985.9 %



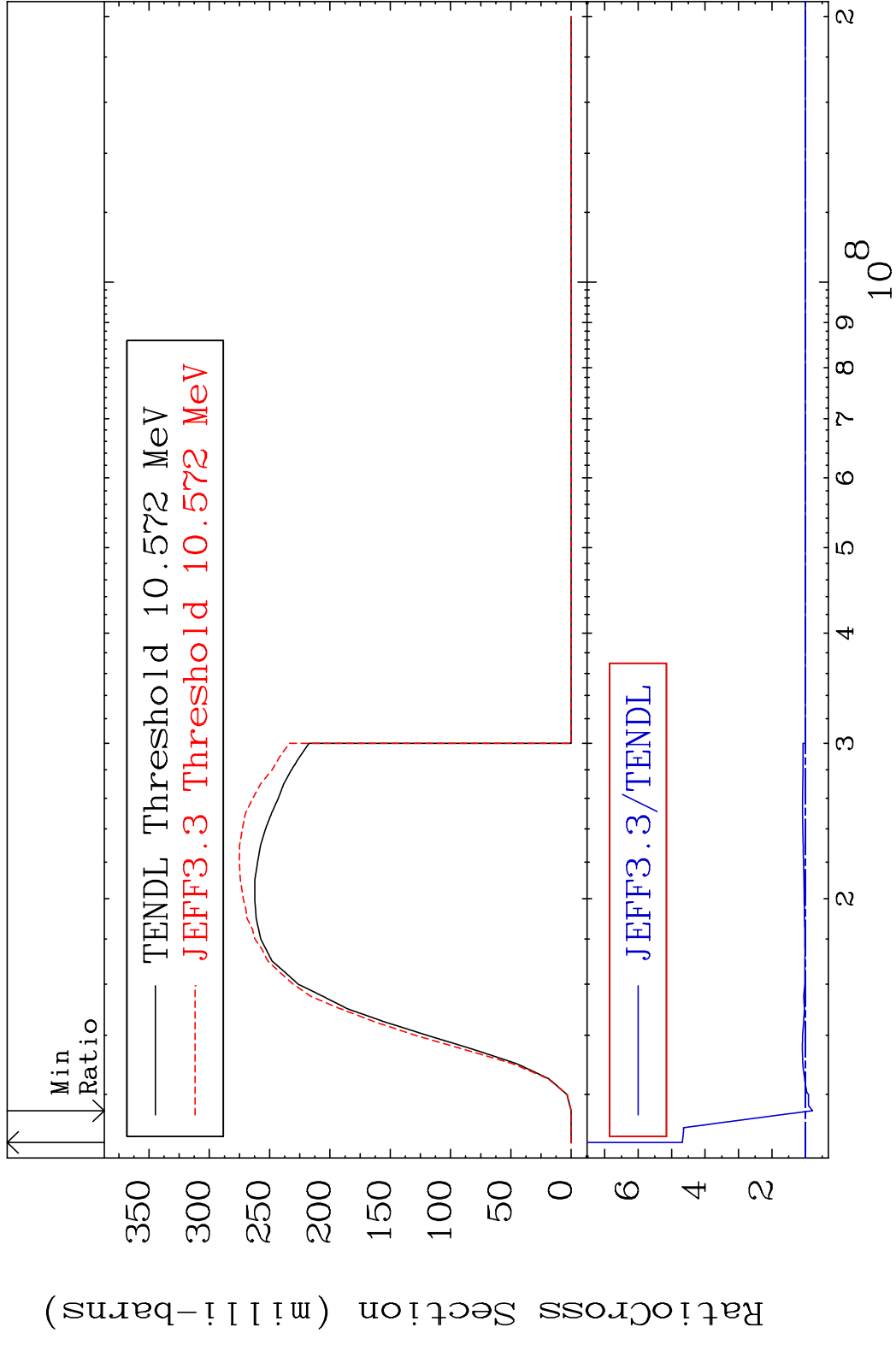
75 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -99.91 To 9999. %

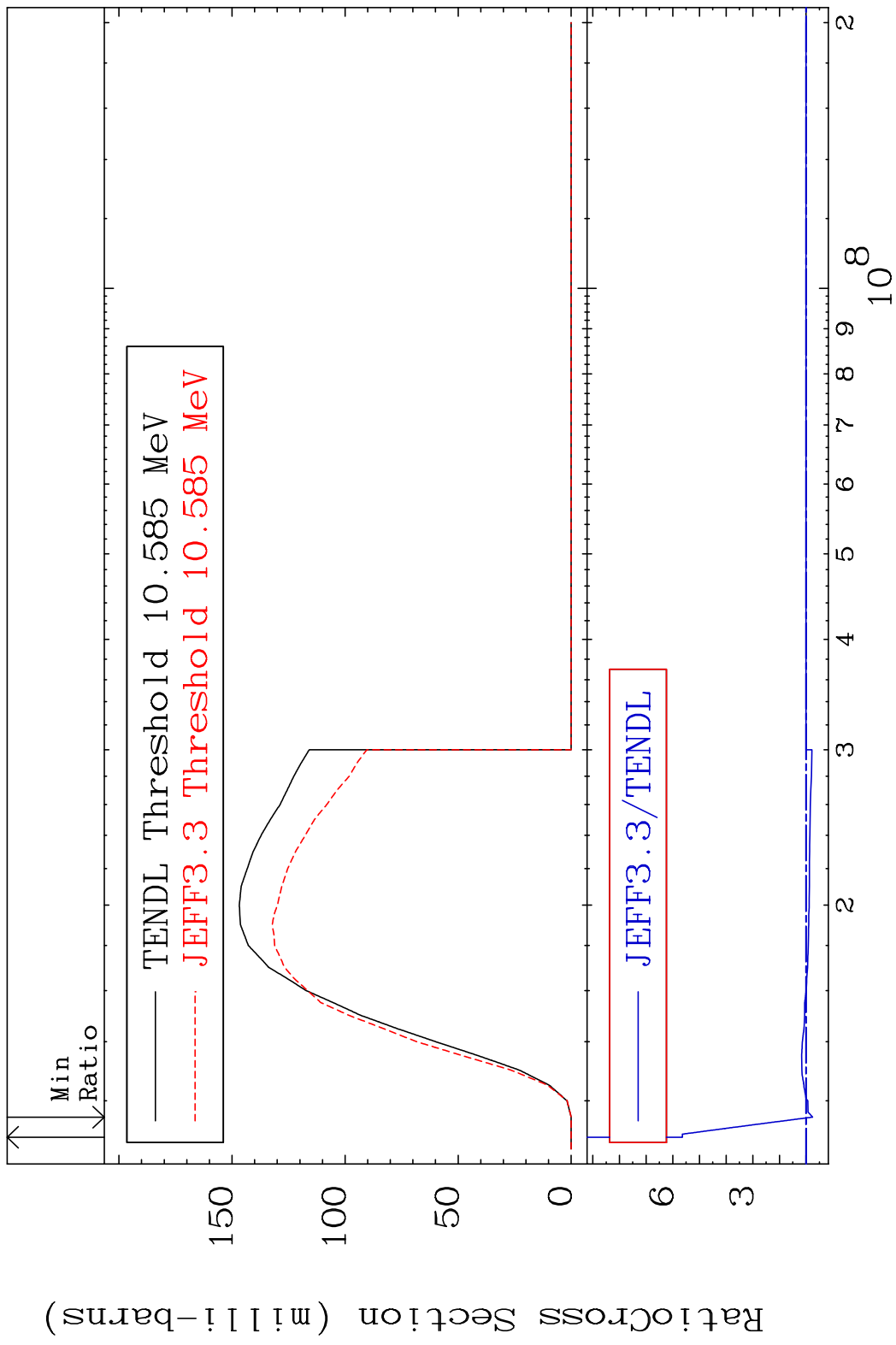


76 Incident Energy (eV) 22-Ti-46

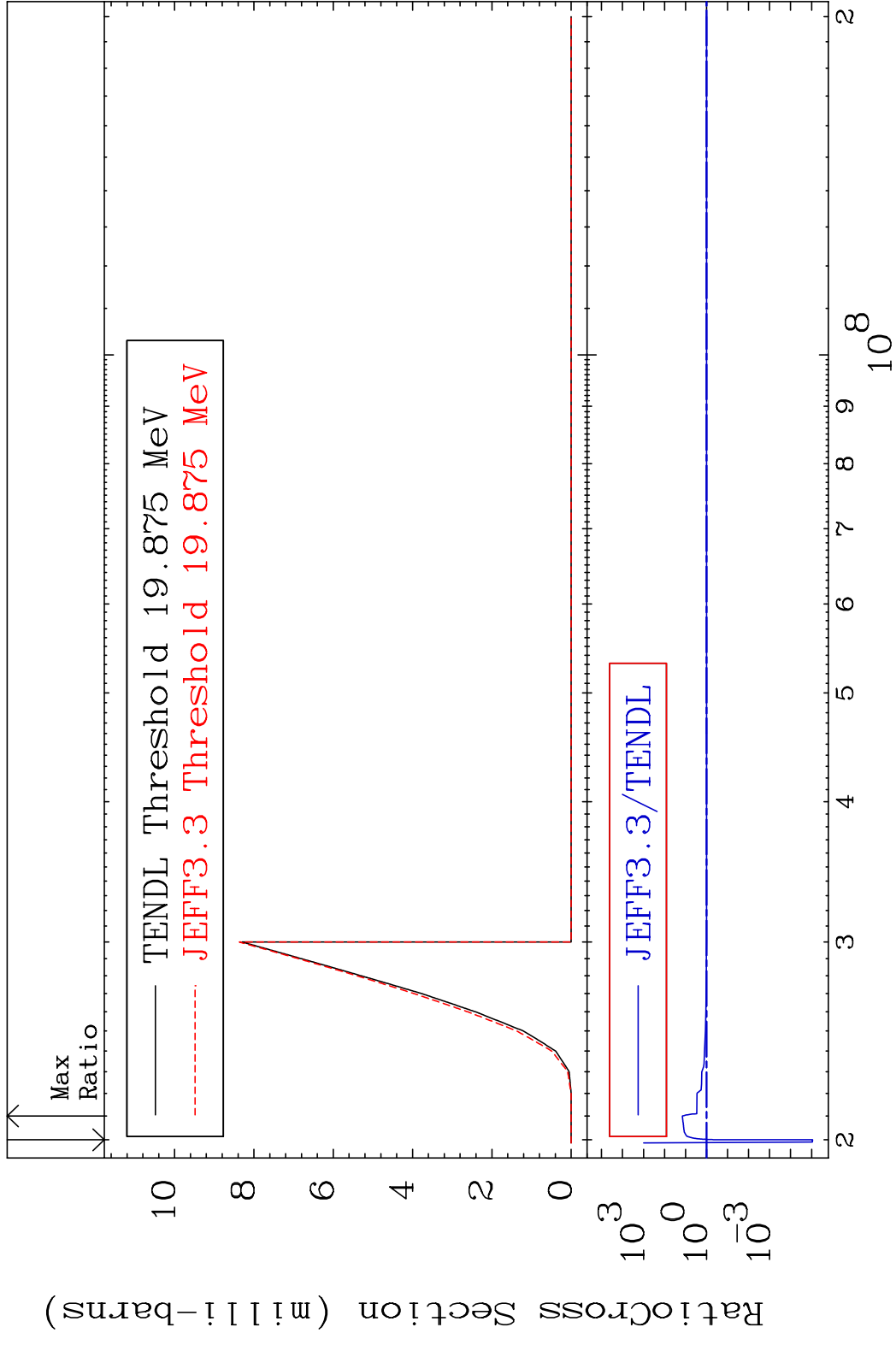
MAT 2225 (n, n') p:21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 363.1 dth 367.8 %



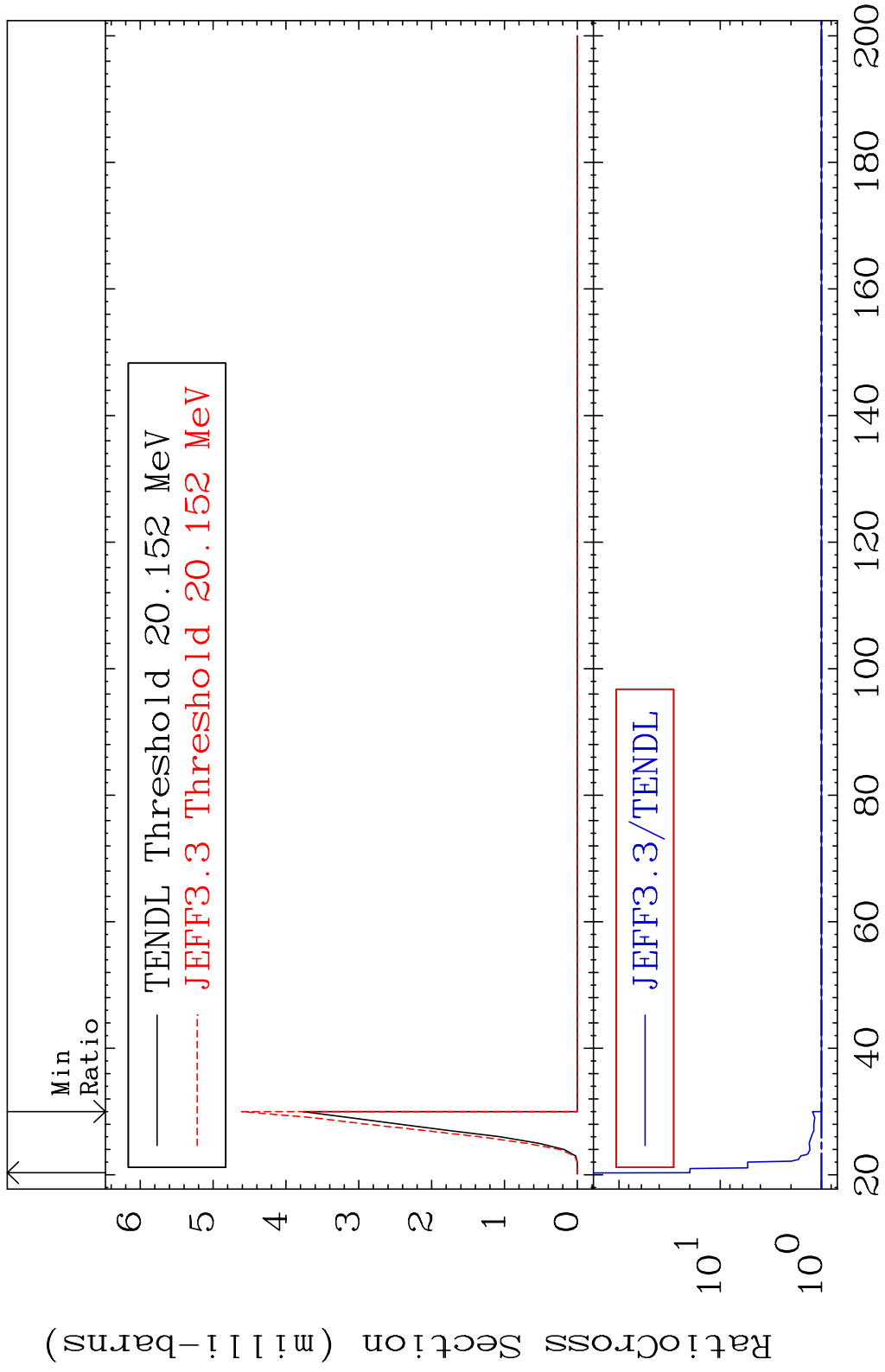
MAT 2225 (n, n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 464.1 %



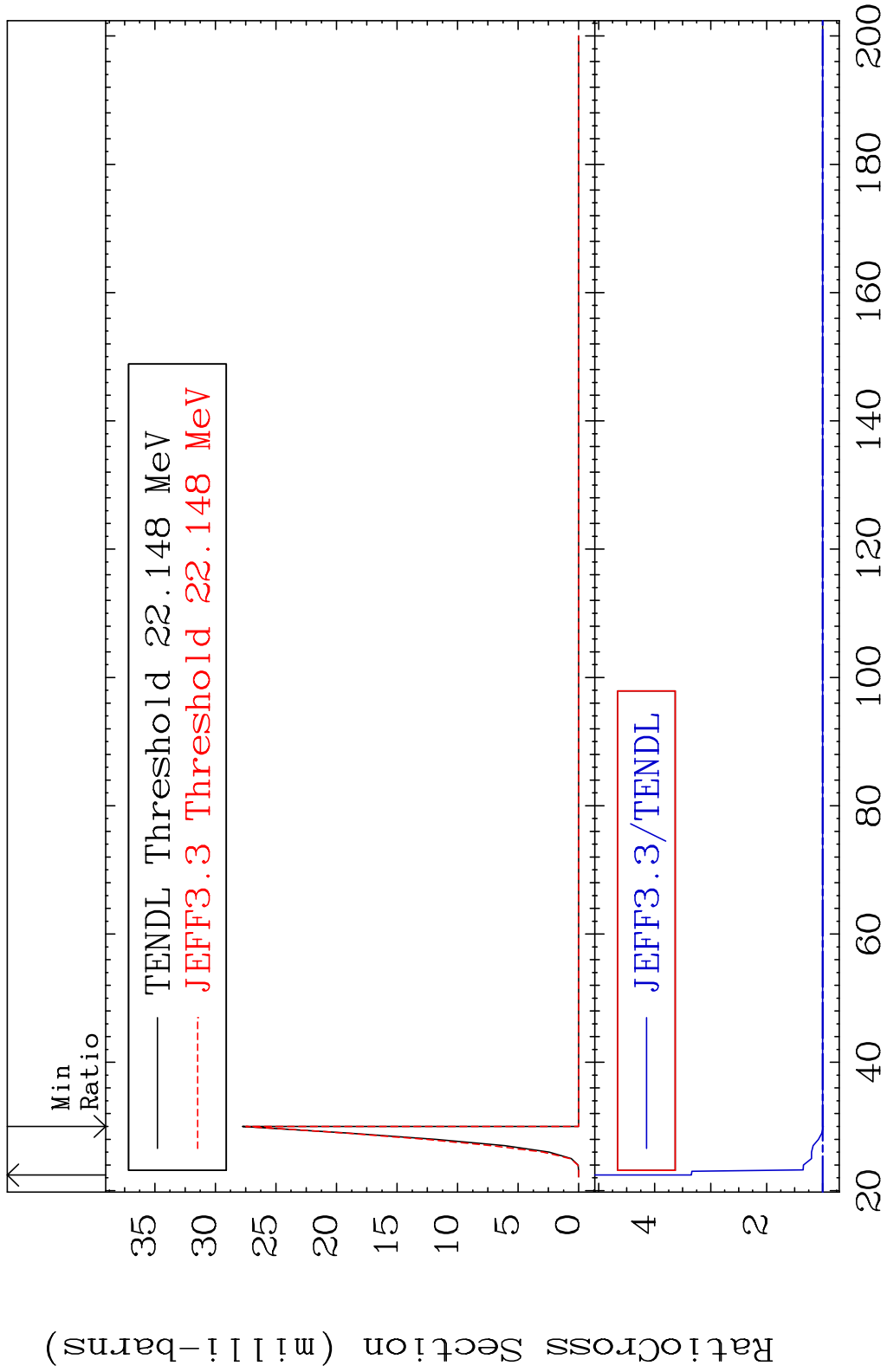
MAT 2225 (n, n') d:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 130.0 dth 1316. %

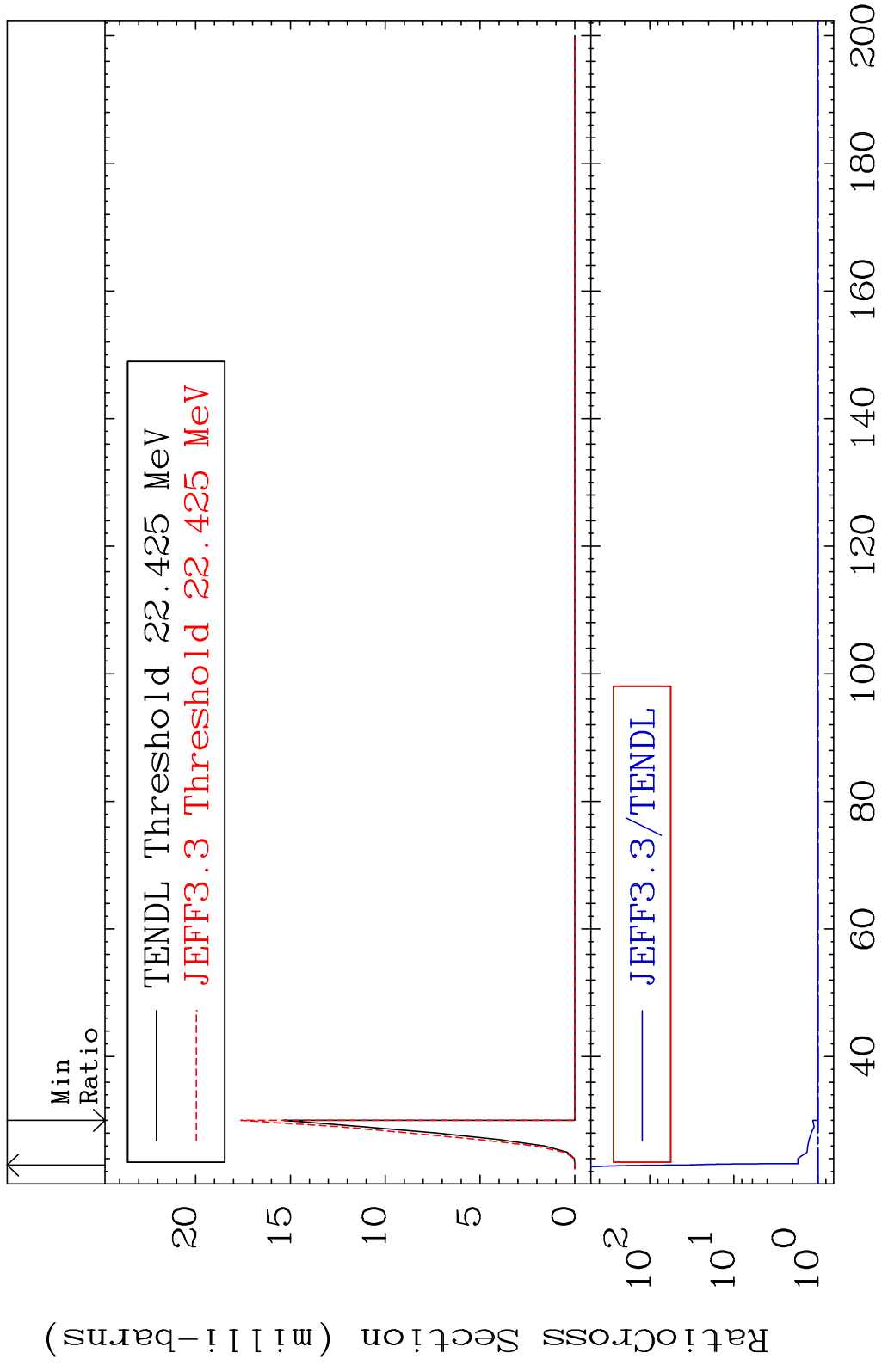


MAT 2225 (n, n') d:21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section 1897. %

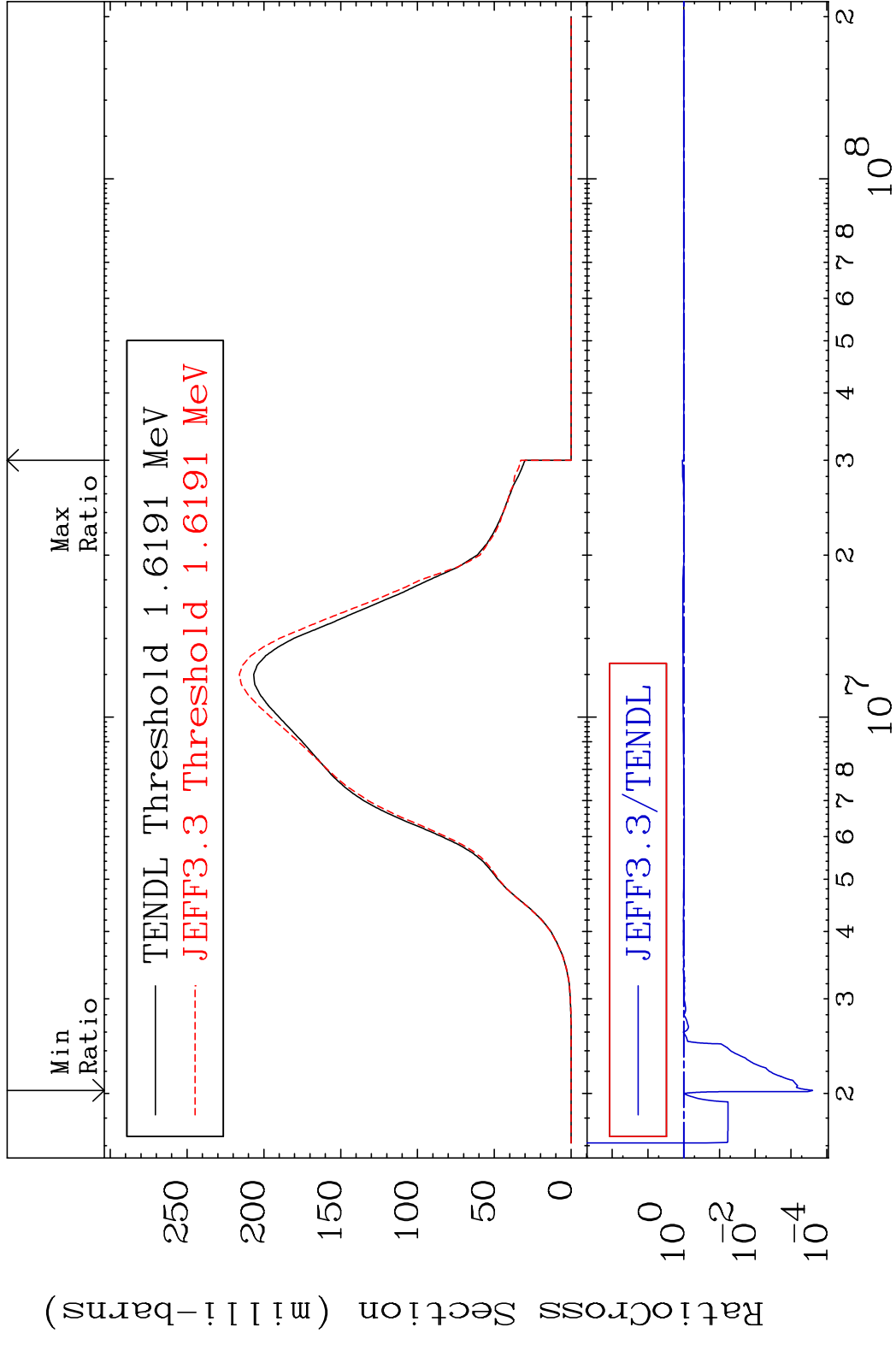


MAT 2225 (n,2n) p:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 150000 dth 234.5 %

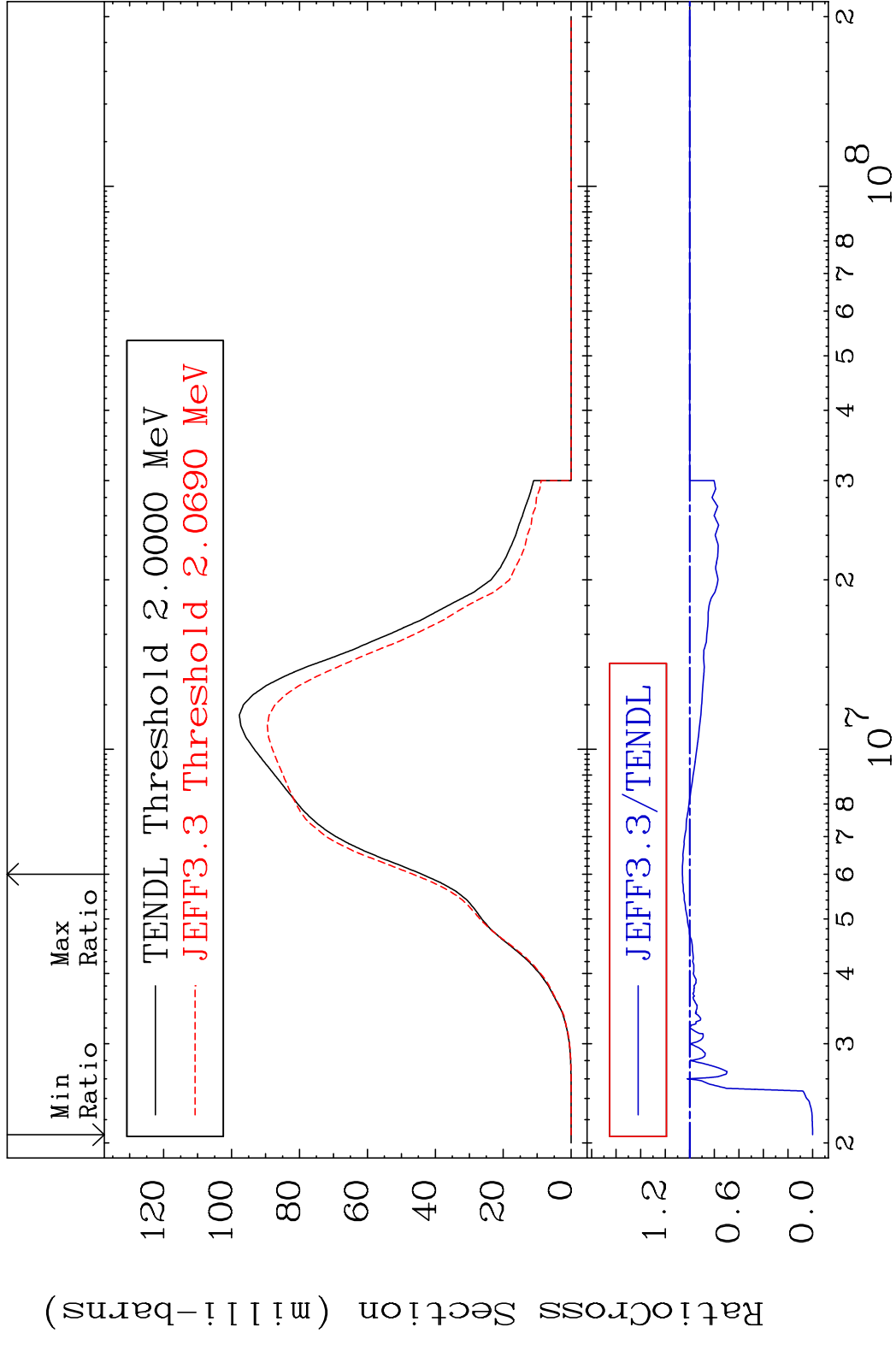




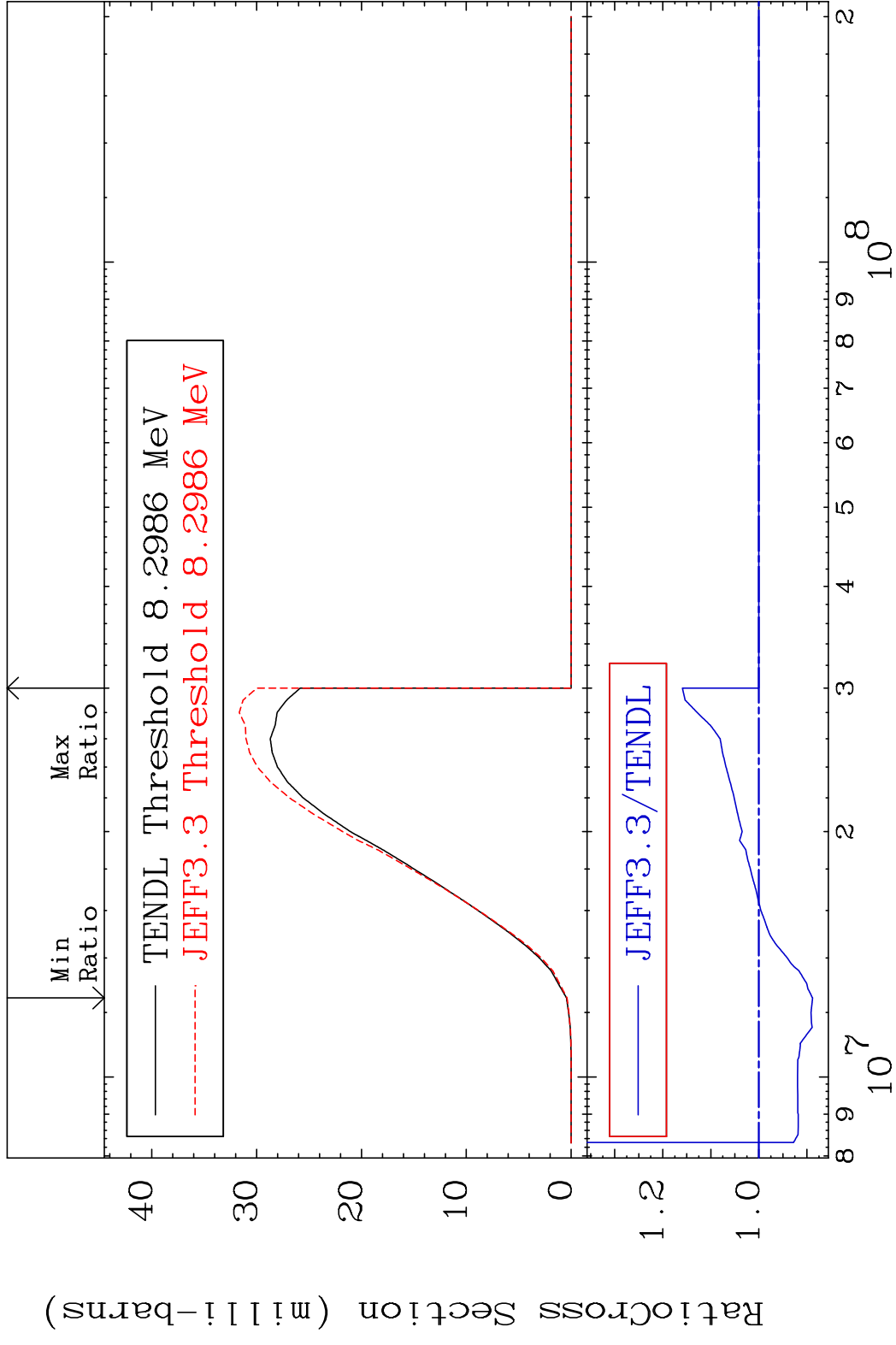
MAT 2225 (n, p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section 98.981 dth 9.043 %



MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section 6.044 %

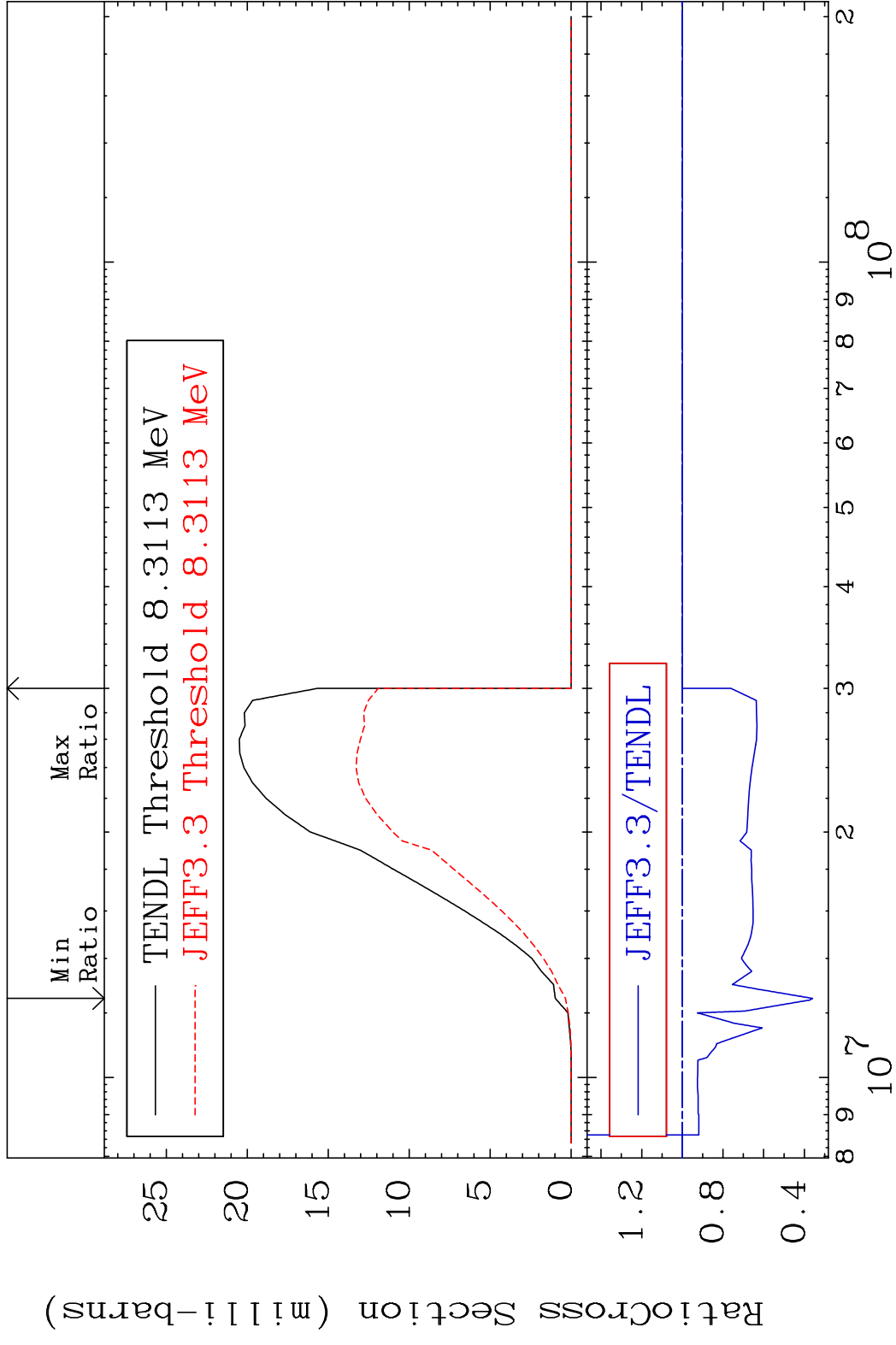


MAT 2225 (n, d):21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 15.92 %



85 Incident Energy (eV) 22-Ti-46

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



86 Incident Energy (eV) 22-Ti-46

