

Program Complot
(Version 2021-1)

by

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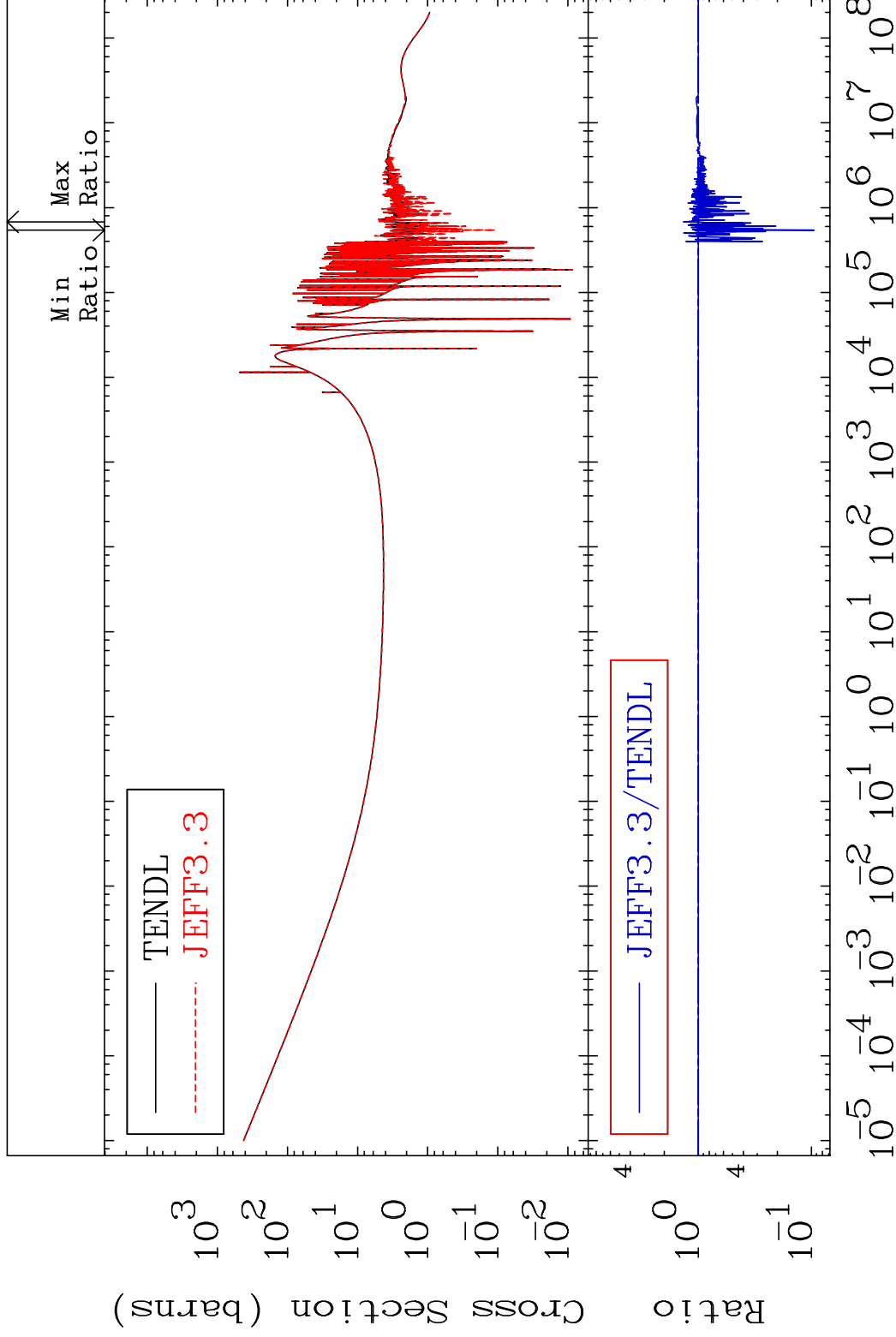
Press Mouse Button to Start

MAT 2231

Total

22-Ti-48

Cross Section -90.55 To 34.65 %



1

Incident Energy (eV)

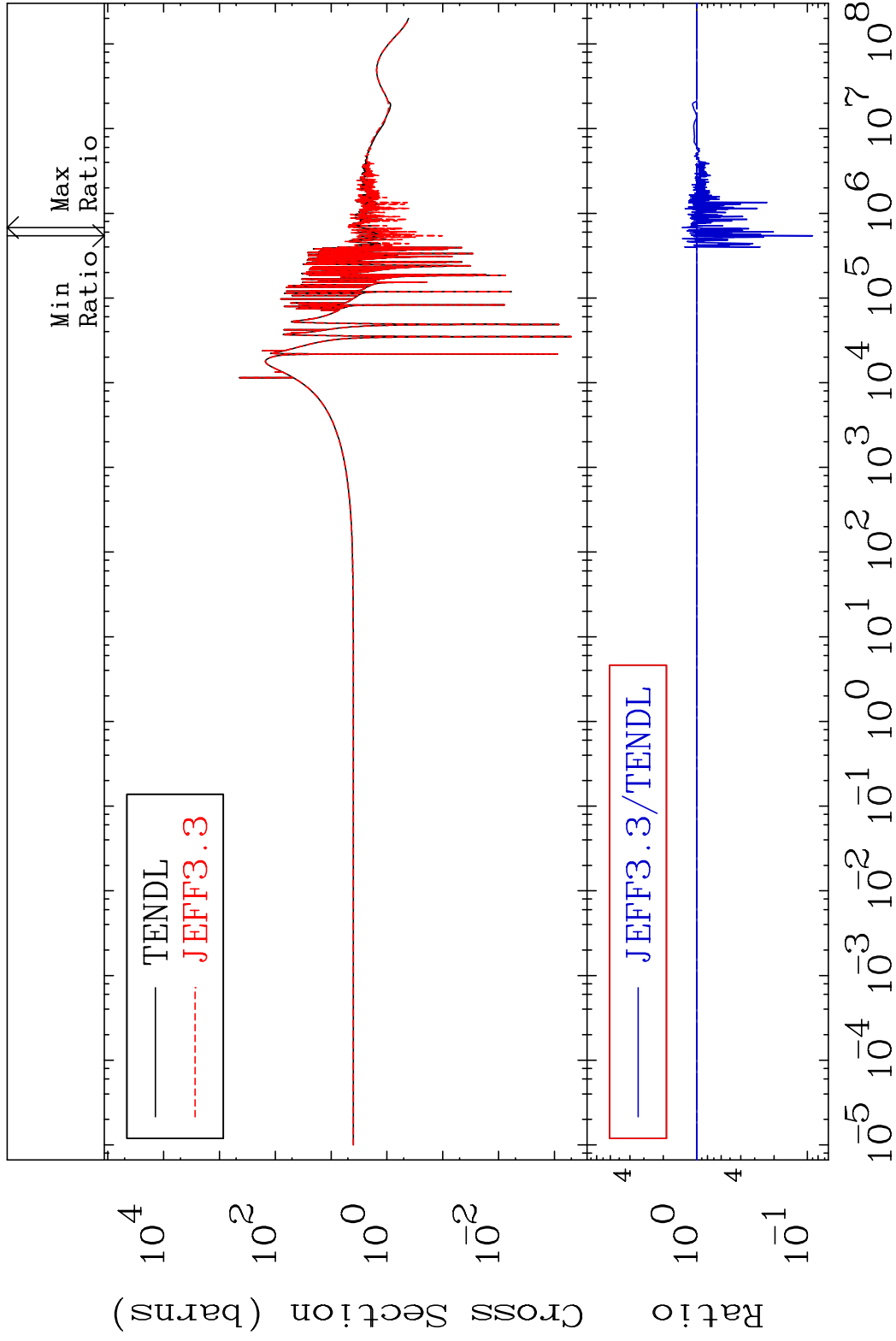
22-Ti-48

MAT 2231

Elastic

22-Ti-48

Cross Section -91.01 To 34.60 %



2

Incident Energy (eV)

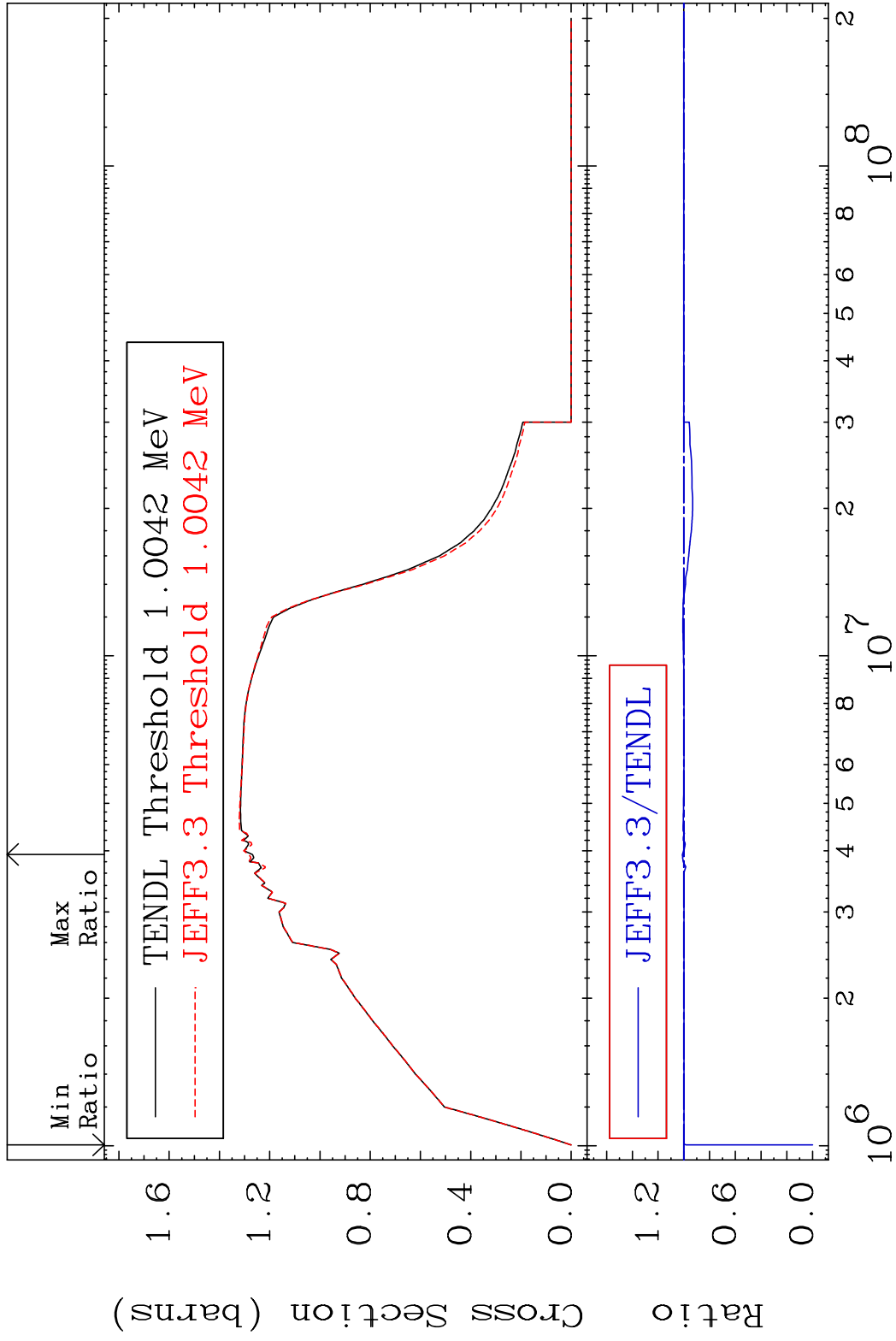
22-Ti-48

MAT 2231

Inelastic

²²Ti-48

Cross Section -100.0 To 1.142 %

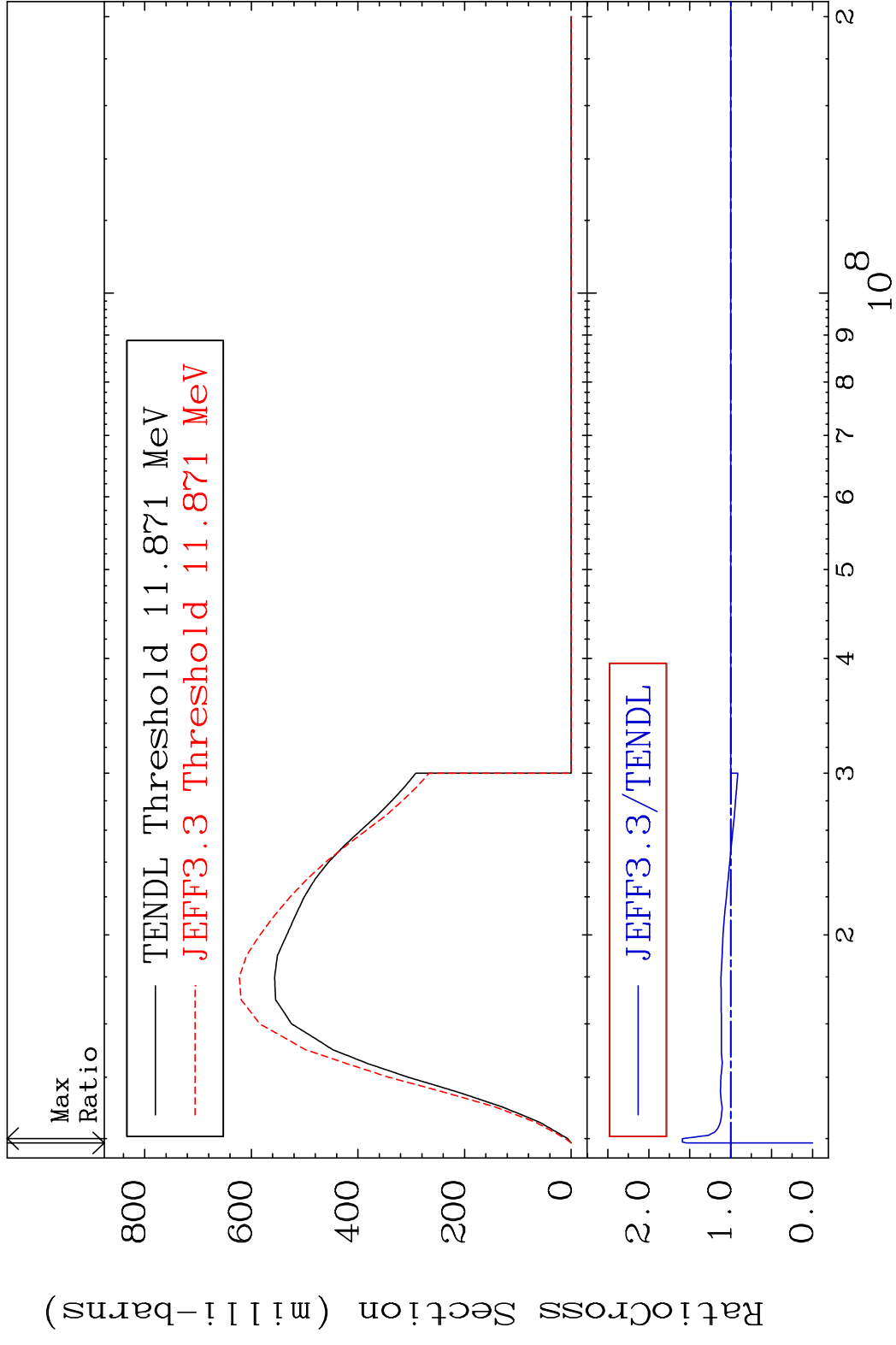


Incident Energy (eV)

²²Ti-48

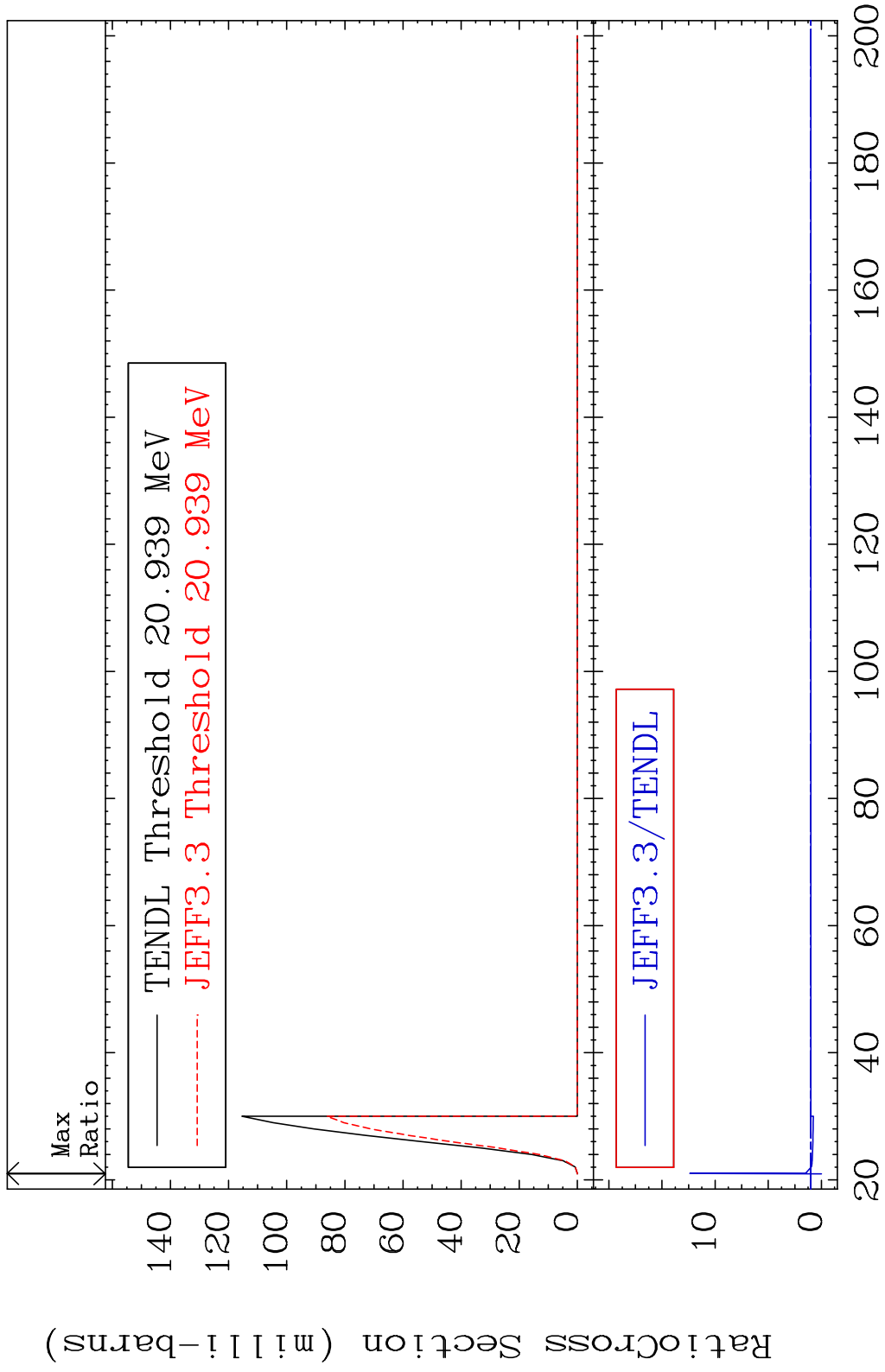
3

MAT 2231 (n,2n) 22-Ti-48
 Cross Section -100.0 To 59.07 %



4 Incident Energy (eV) 22-Ti-48

MAT 2231 (n,3n) 22-Ti-48
Cross Section -100.0 To 1139. %



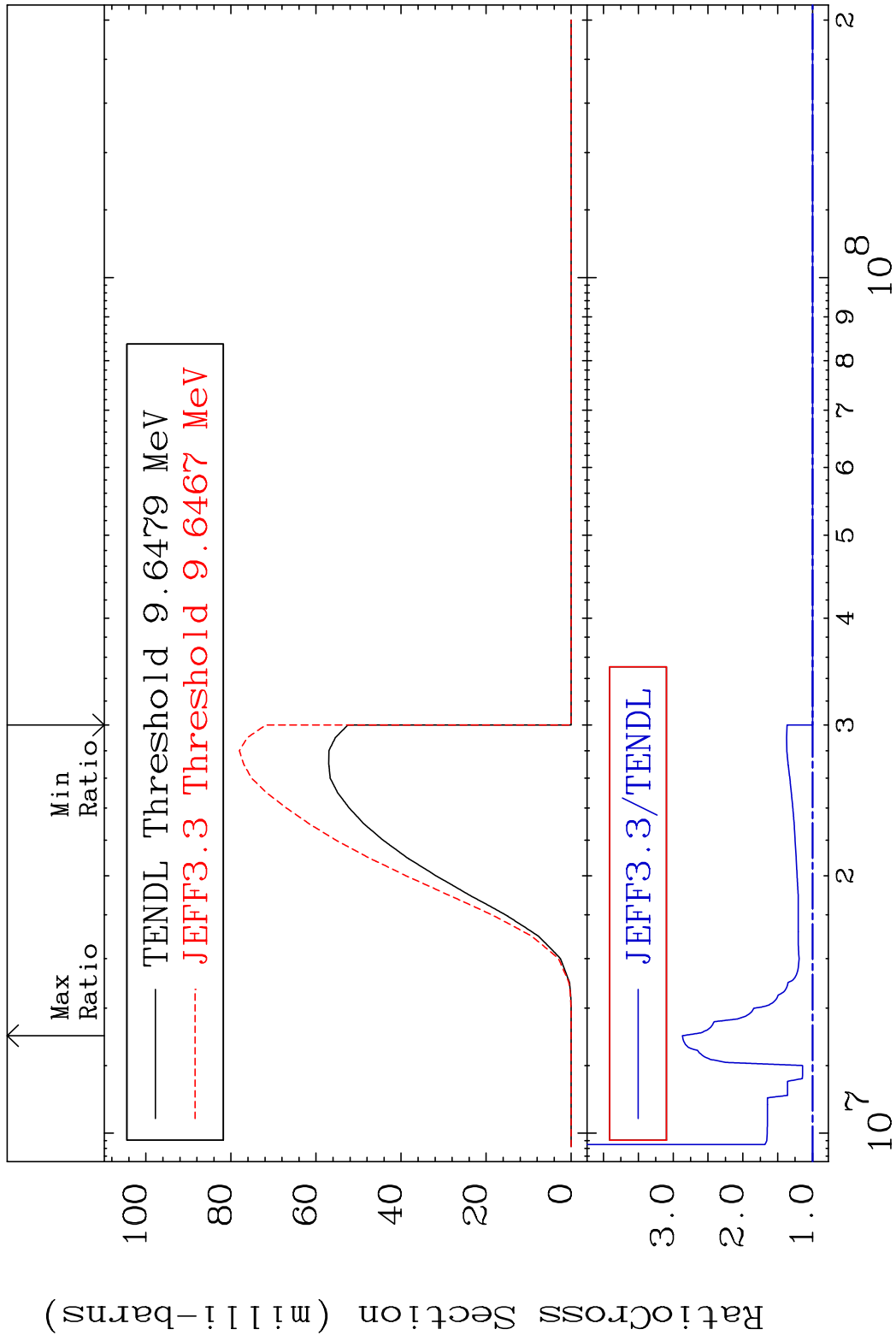
5 Incident Energy (MeV) 22-Ti-48

MAT 2231

(n, n') α

²²Ti-48

Cross Section 0.000 To 186.8 %

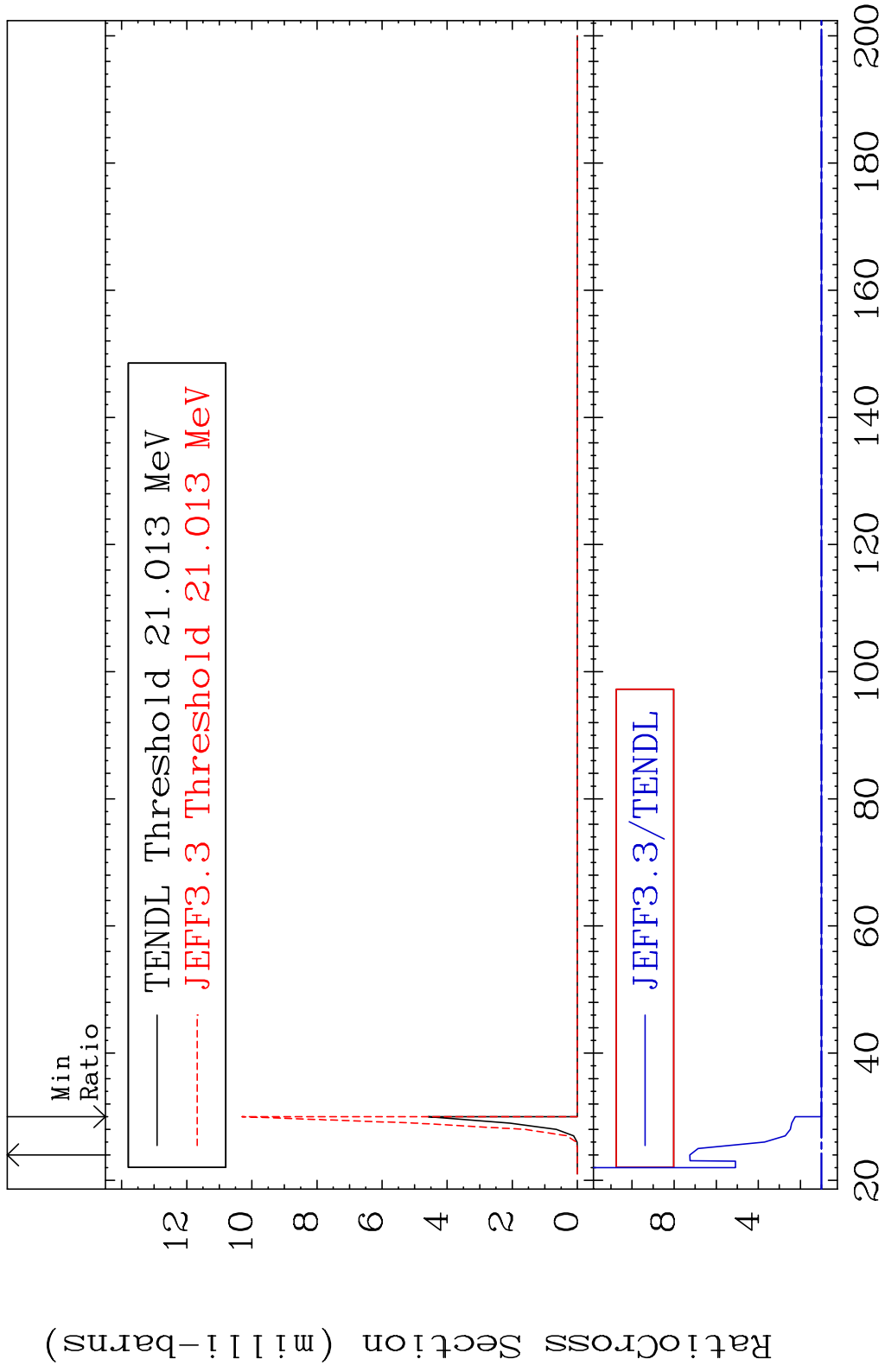


6

Incident Energy (eV)

²²Ti-48

MAT 2231 (n,2n) α $^{22}\text{Ti}-48$
 Cross Section 0.000 To 625.6 %

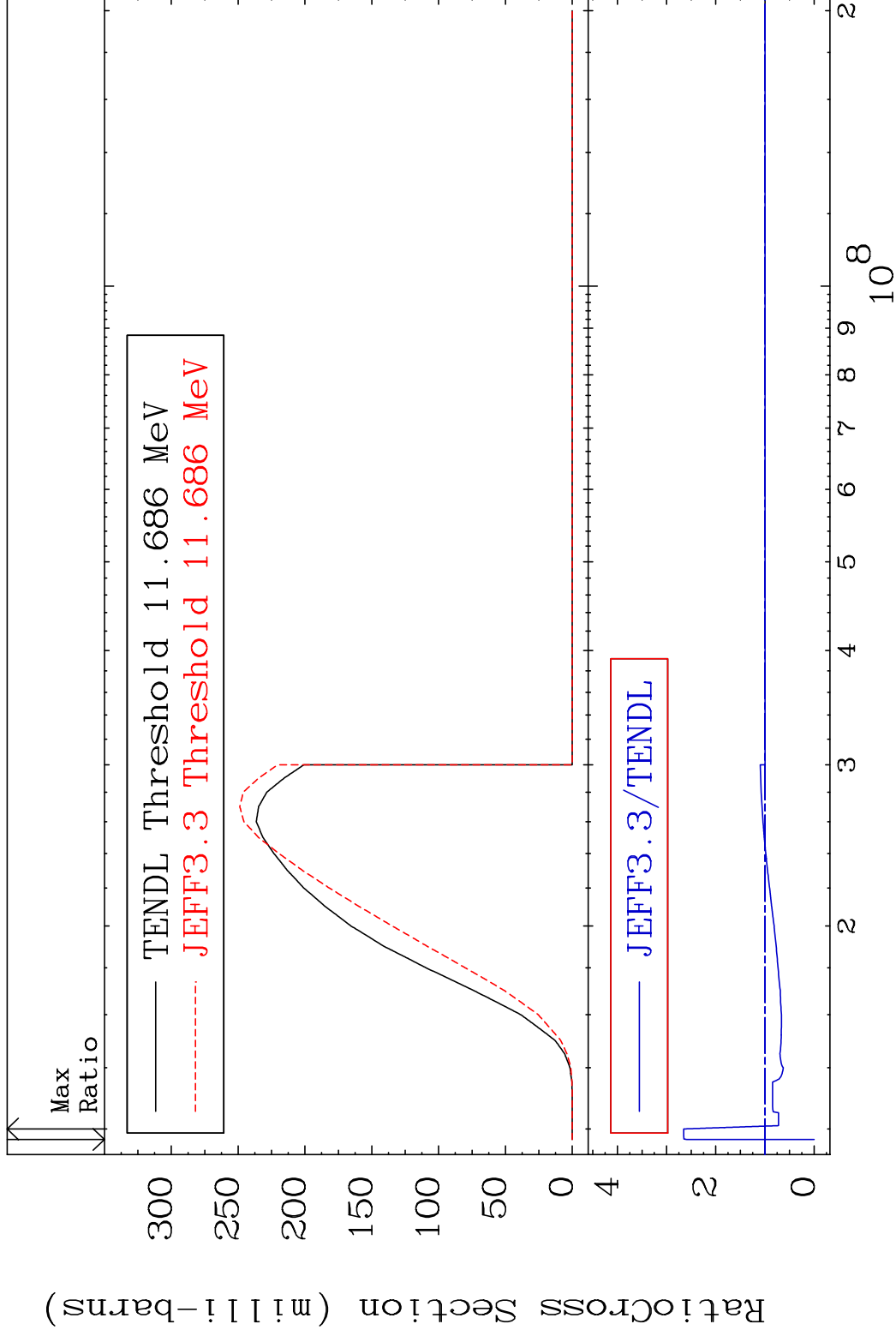


MAT 2231

(n, n') p

²²Ti-48

Cross Section -100.0 To 165.3 %

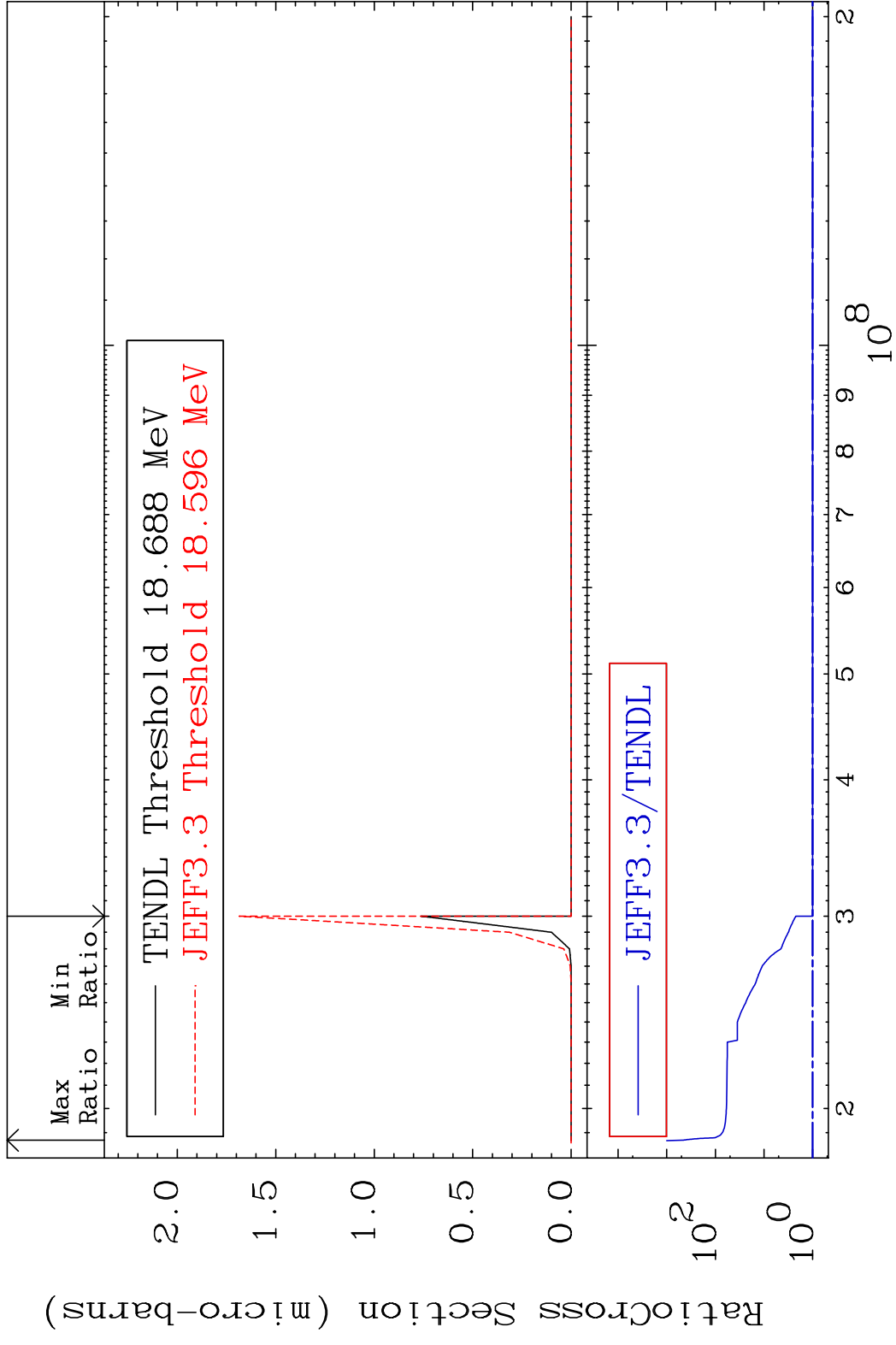


8

Incident Energy (eV)

²²Ti-48

MAT 2231 (n, n') 2α 22-Ti-48
 Cross Section 0.000 To 9999. %

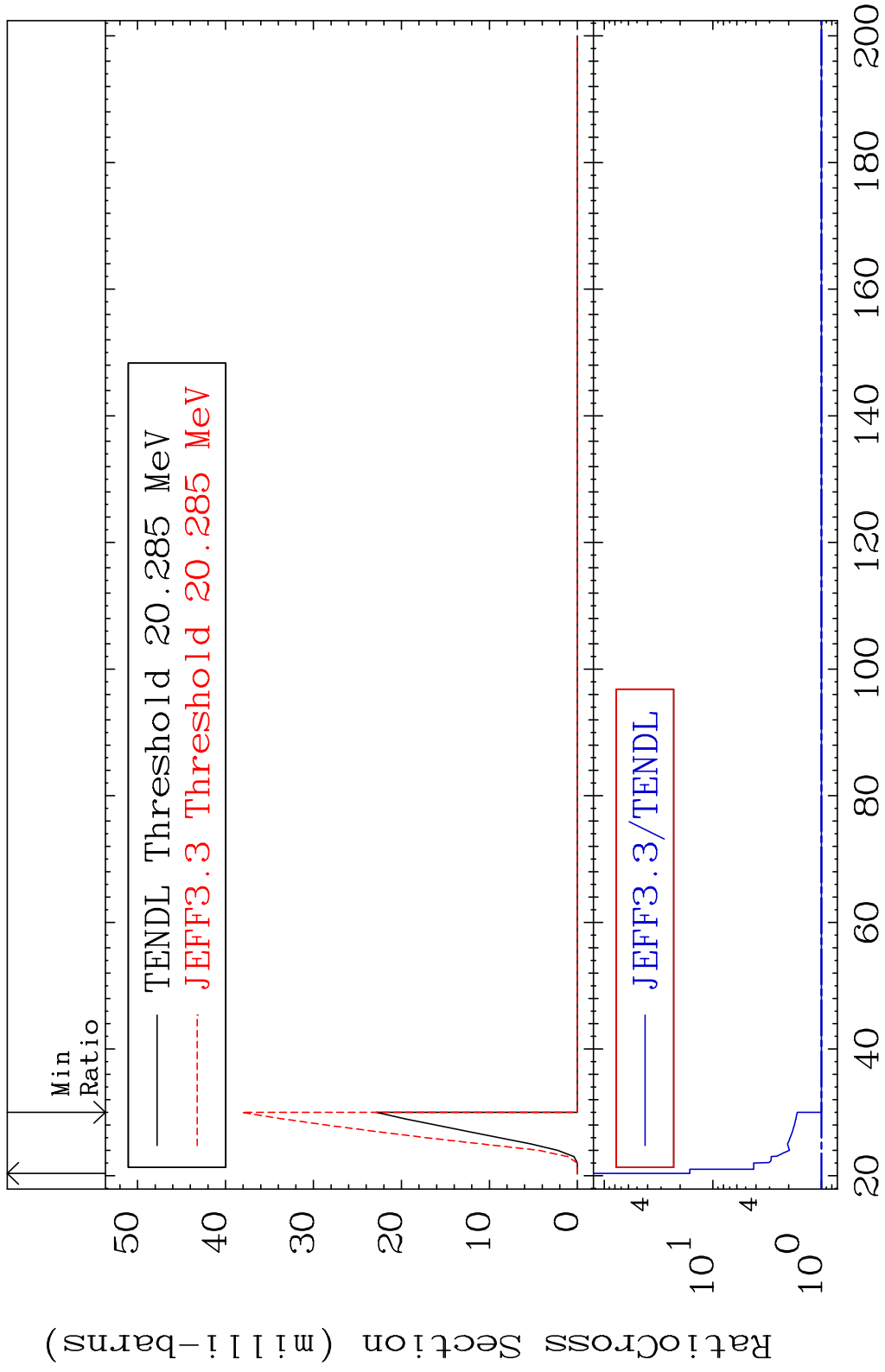


MAT 2231

(n, n') d

²²Ti-48

Cross Section 0.000 To 1532. %

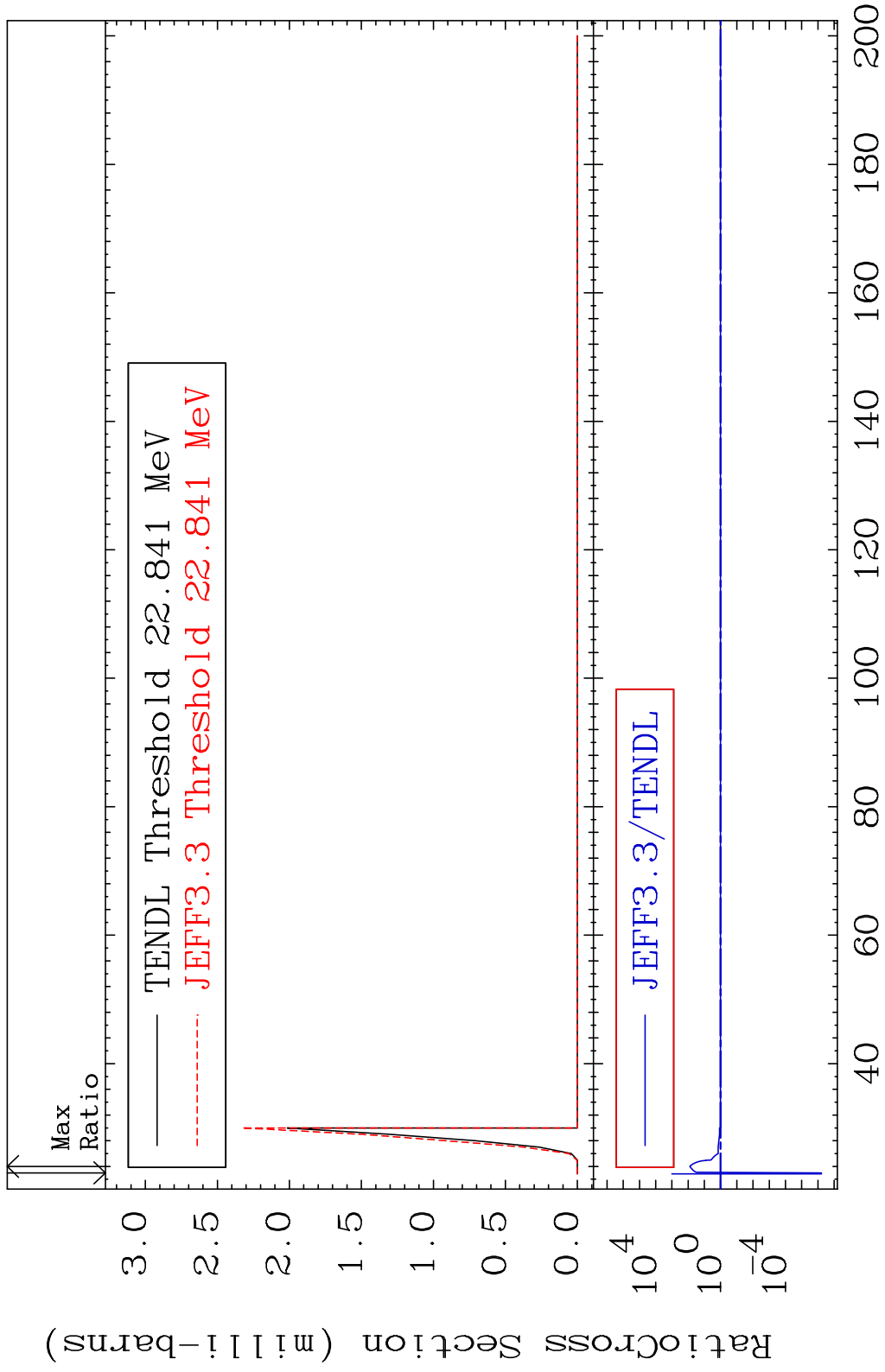


10

Incident Energy (MeV)

²²Ti-48

MAT 2231 (n, n') t 22-Ti-48
 Cross Section -100.0 To 7818. %

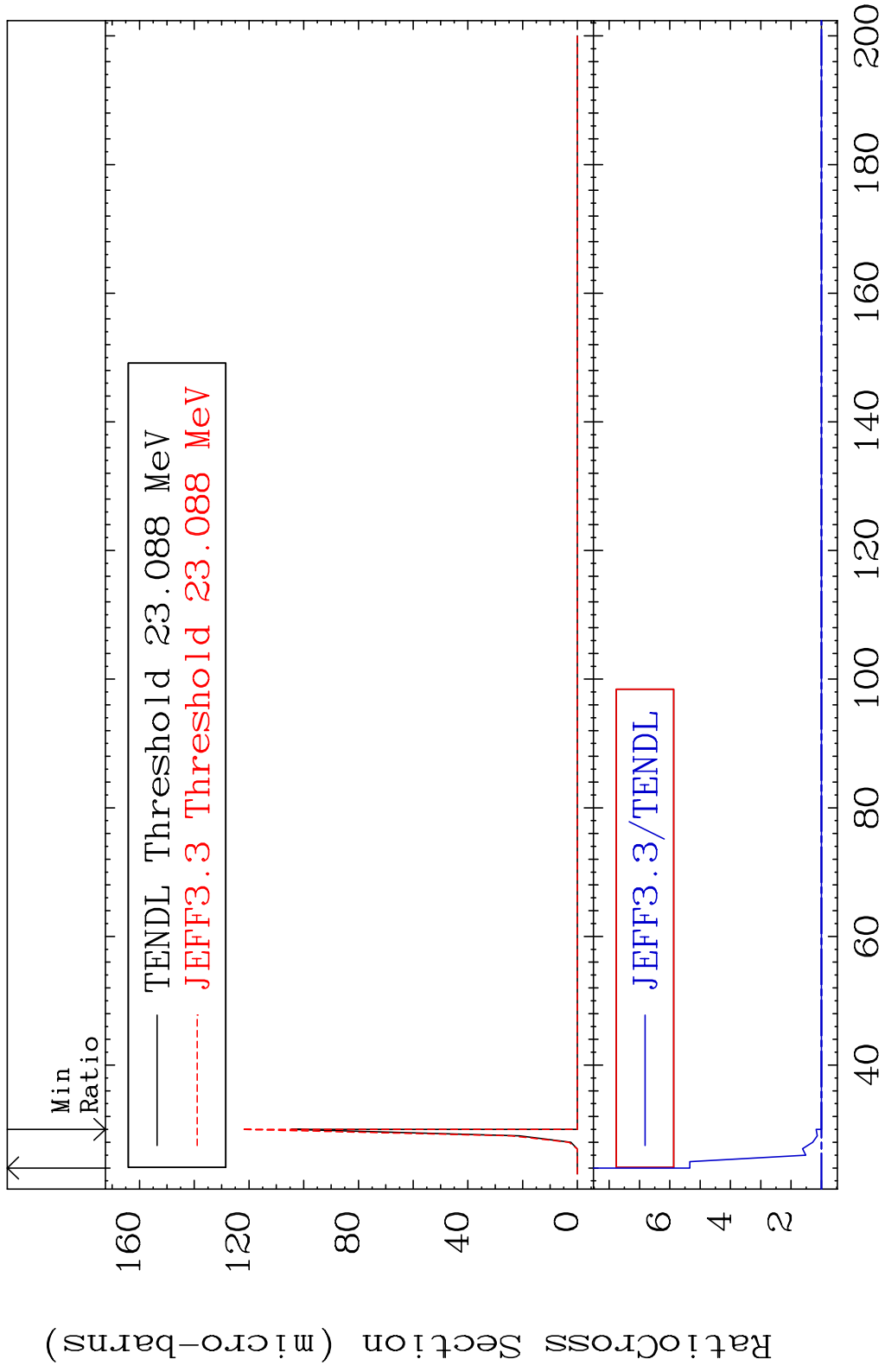


MAT 2231

(n,n') He-3

²²Ti-48

Cross Section 0.000 To 434.2 %

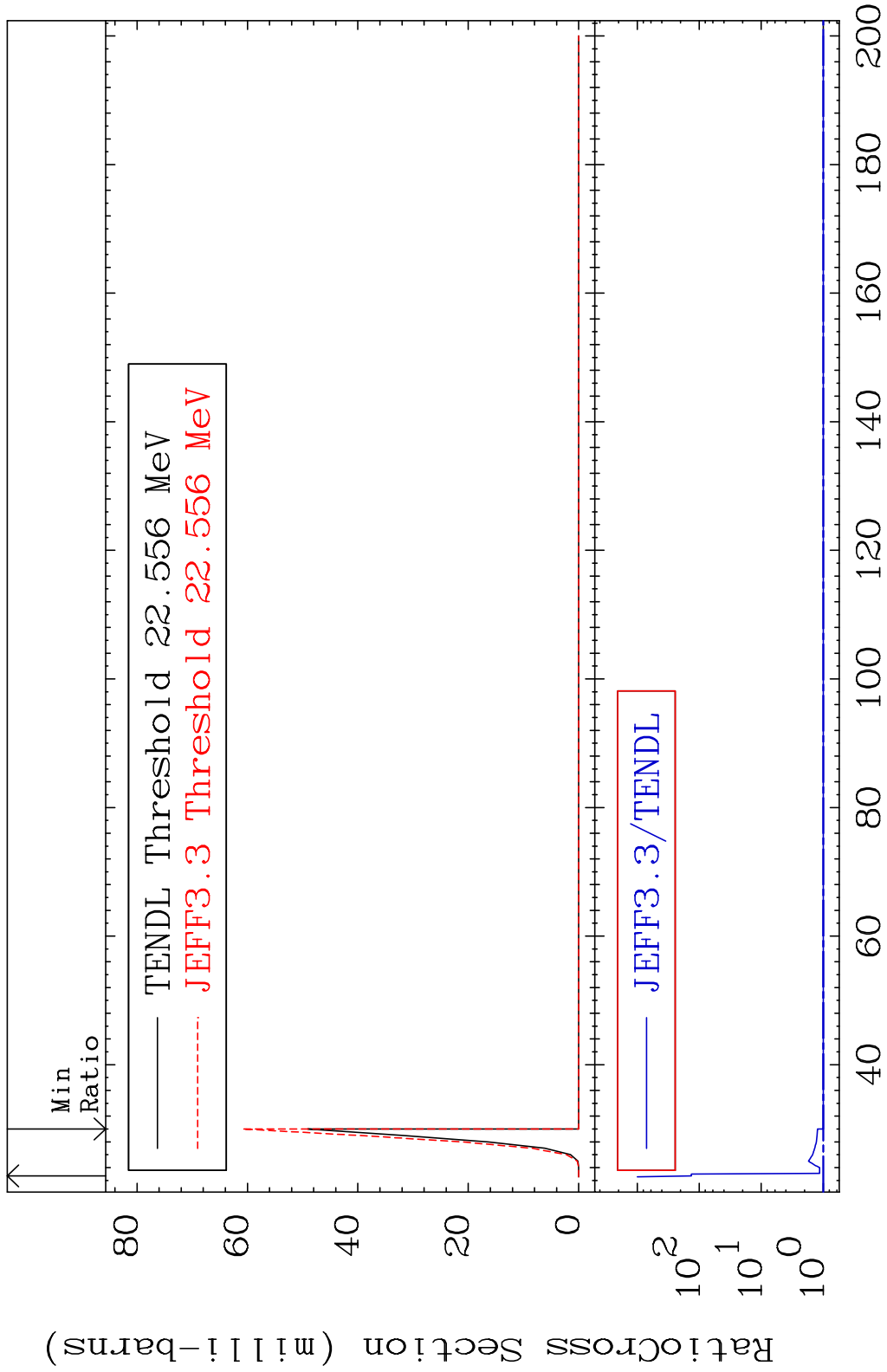


12

Incident Energy (MeV)

²²Ti-48

MAT 2231 (n,2n) p 22-Ti-48
 Cross Section 0.000 To 9999. %

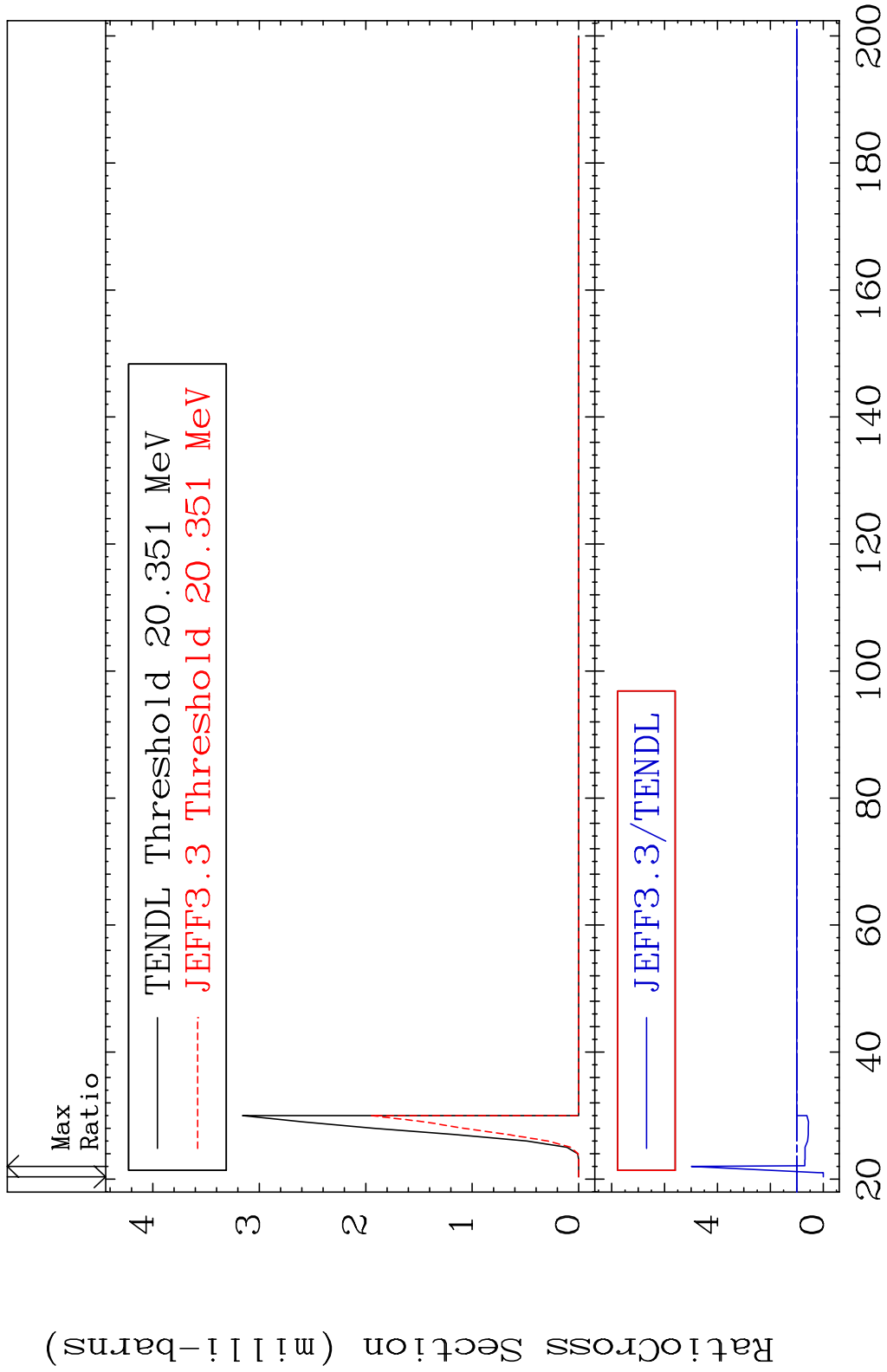


MAT 2231

(n,2n) p

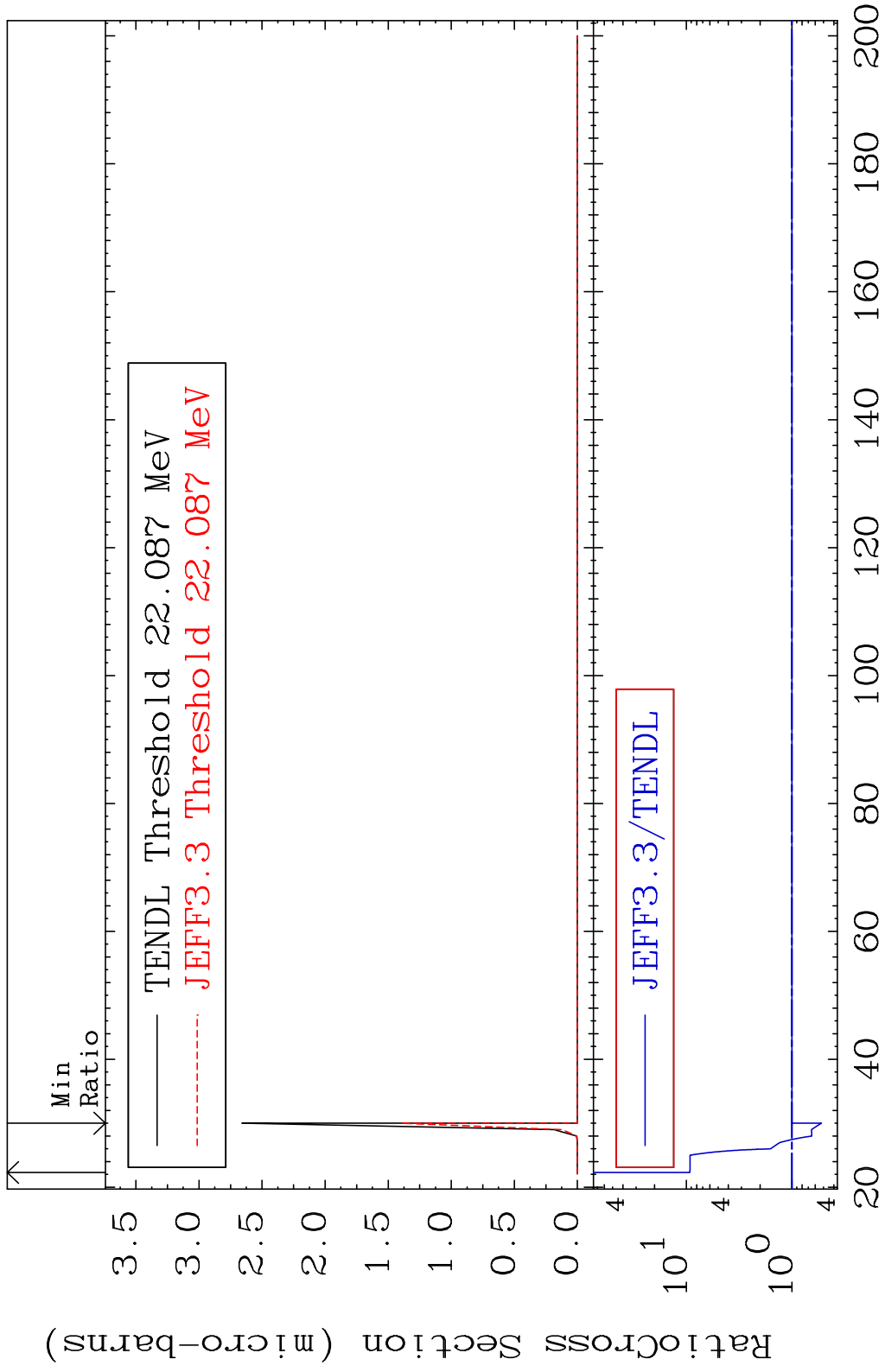
²²Ti-48

Cross Section -100.0 To 398.9 %

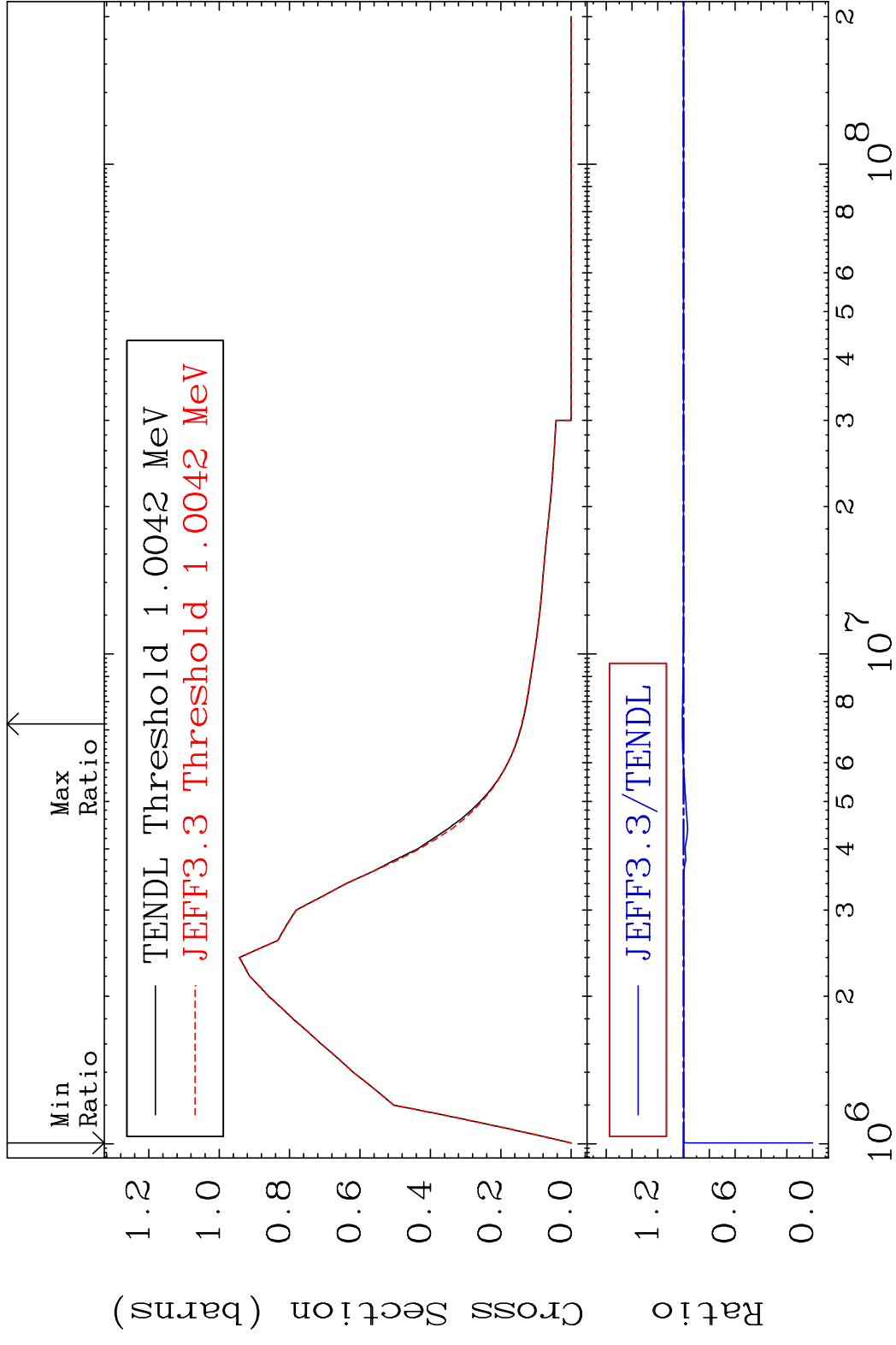


MAT 2231

(n,n') p α 22-Ti-48
Cross Section -47.53 To 828.9 %

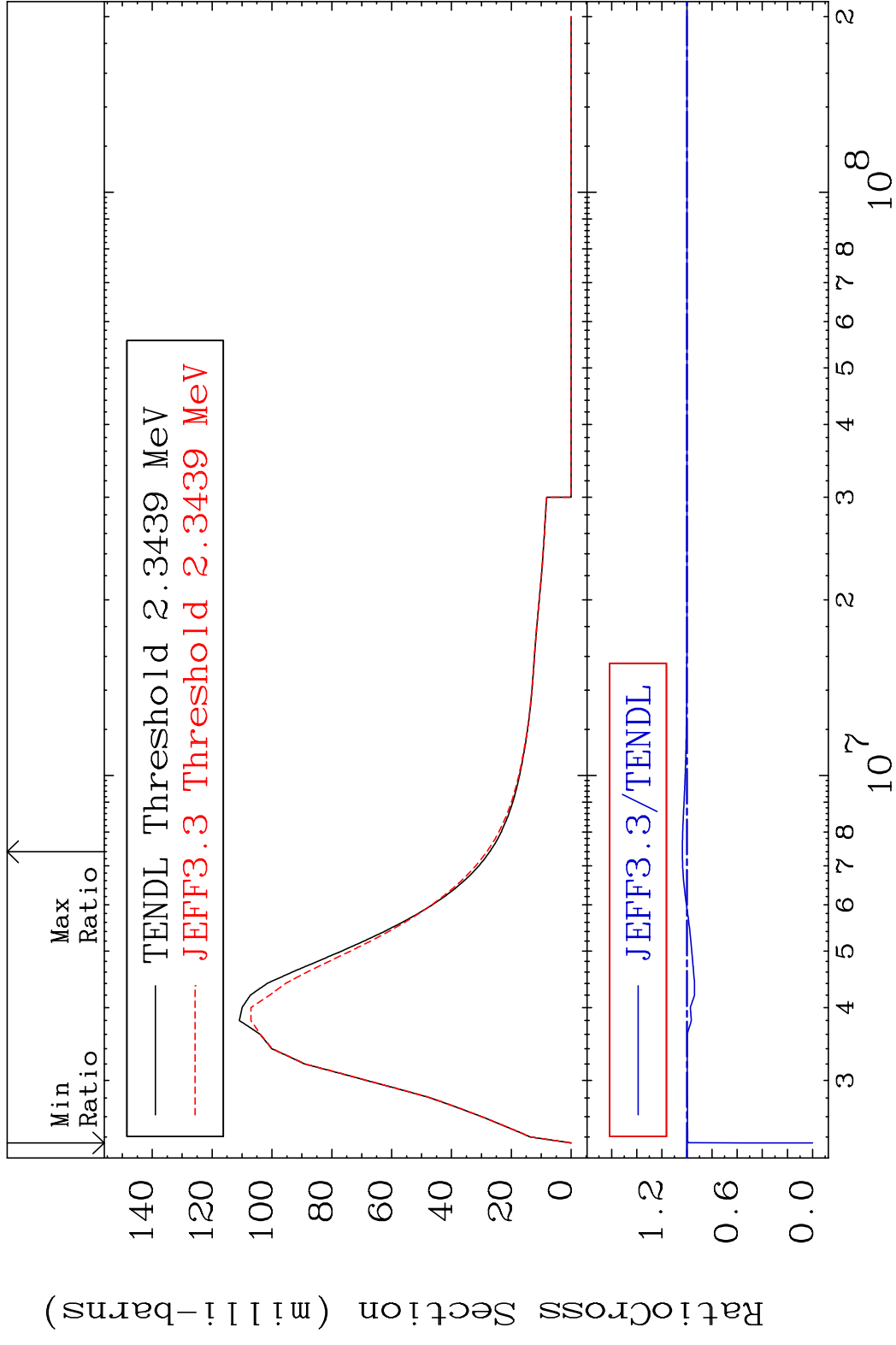


MAT 2231 MT= 51 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 0.958 %



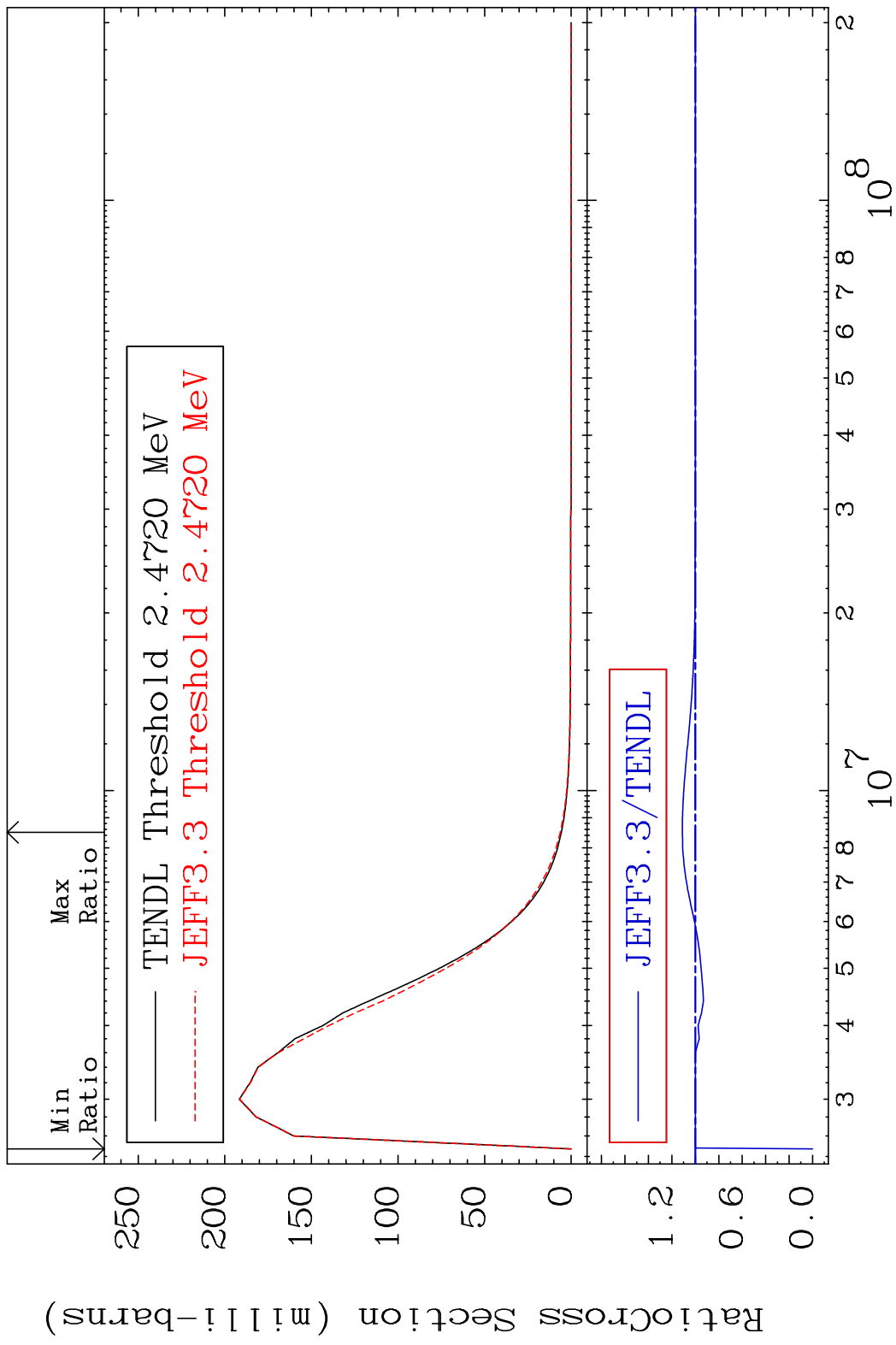
16 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 52 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 3.663 %

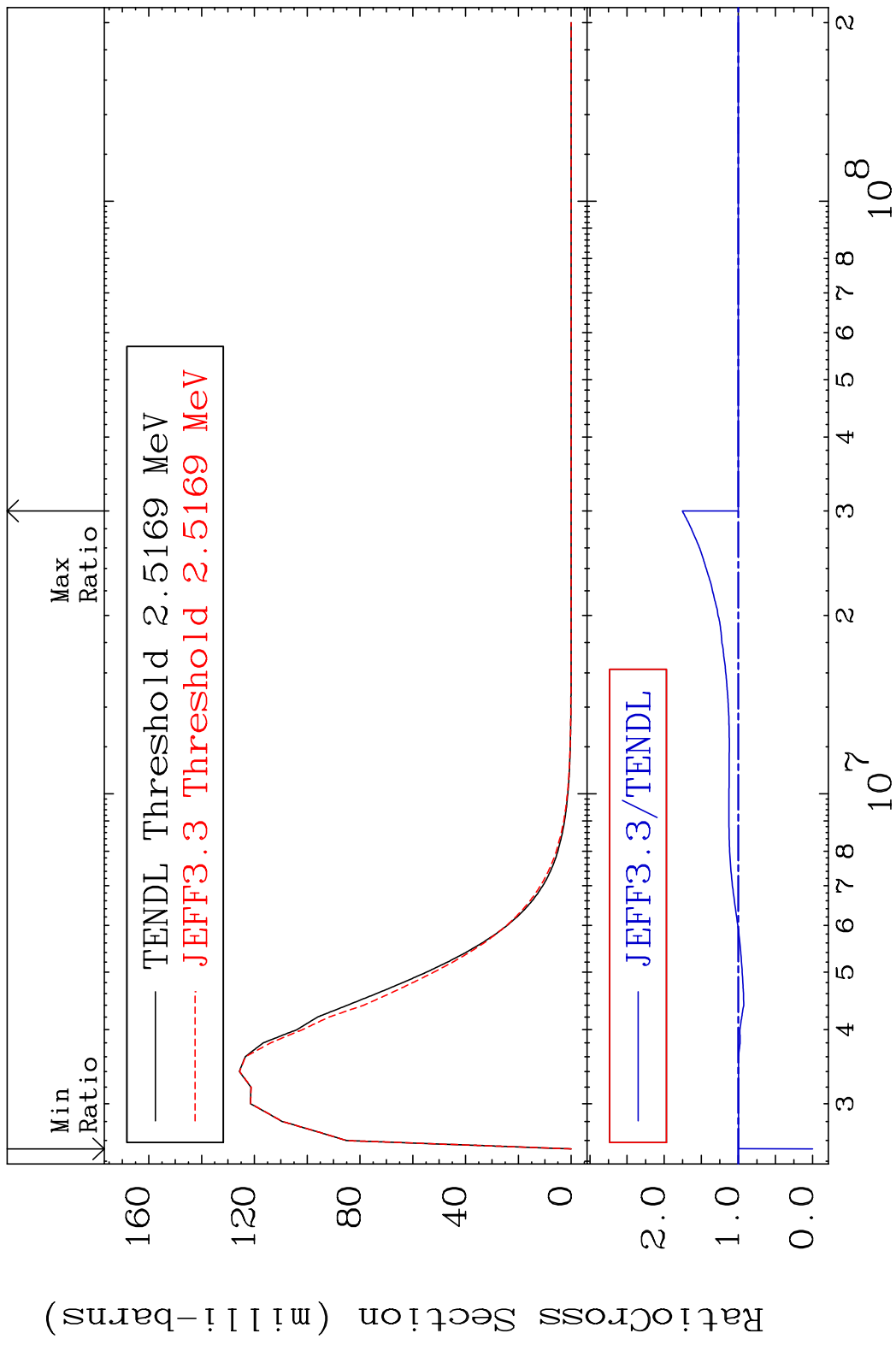


17 Incident Energy (eV) 22-Ti-48

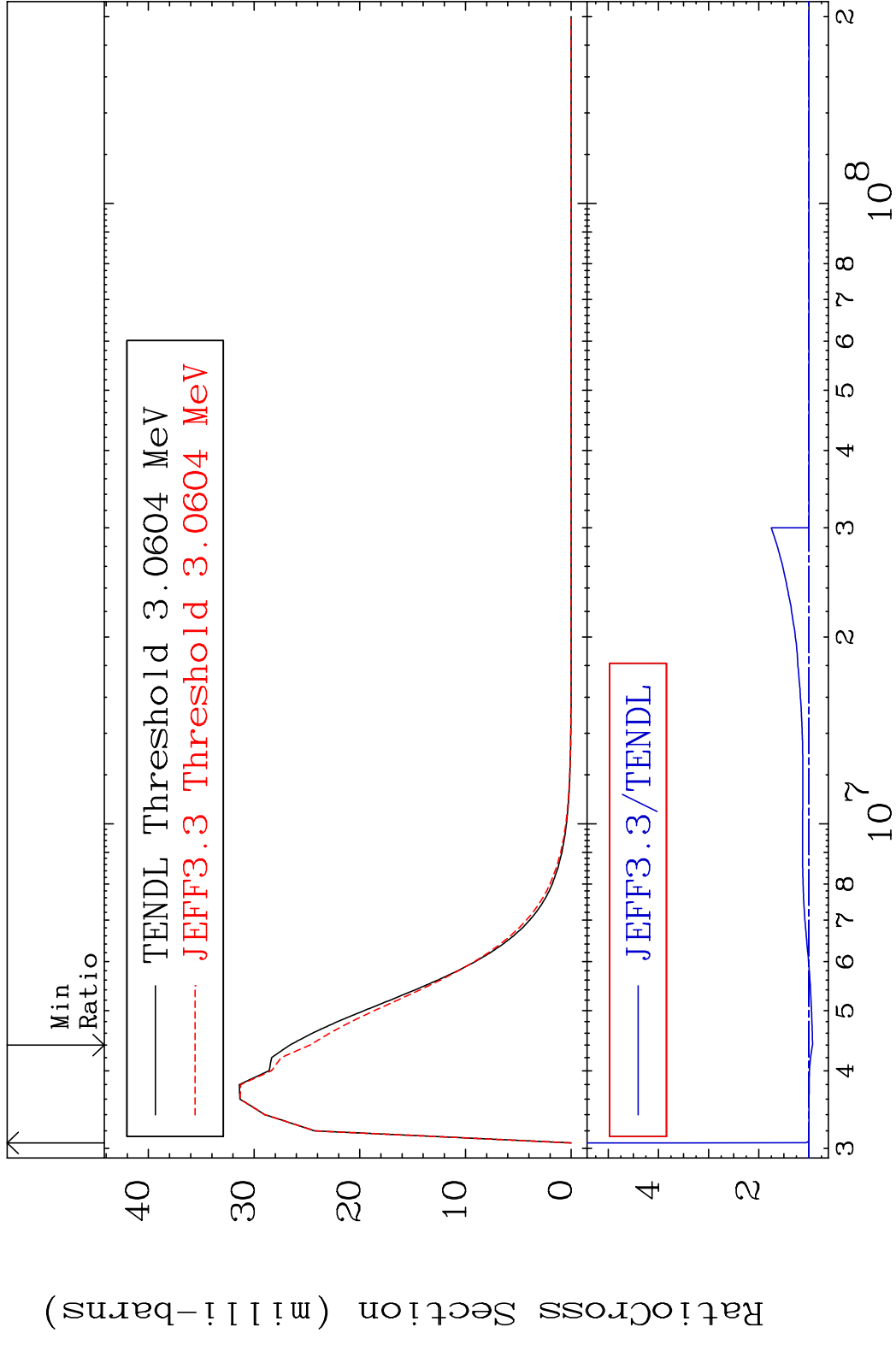
MAT 2231 MT= 53 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 11.06 %



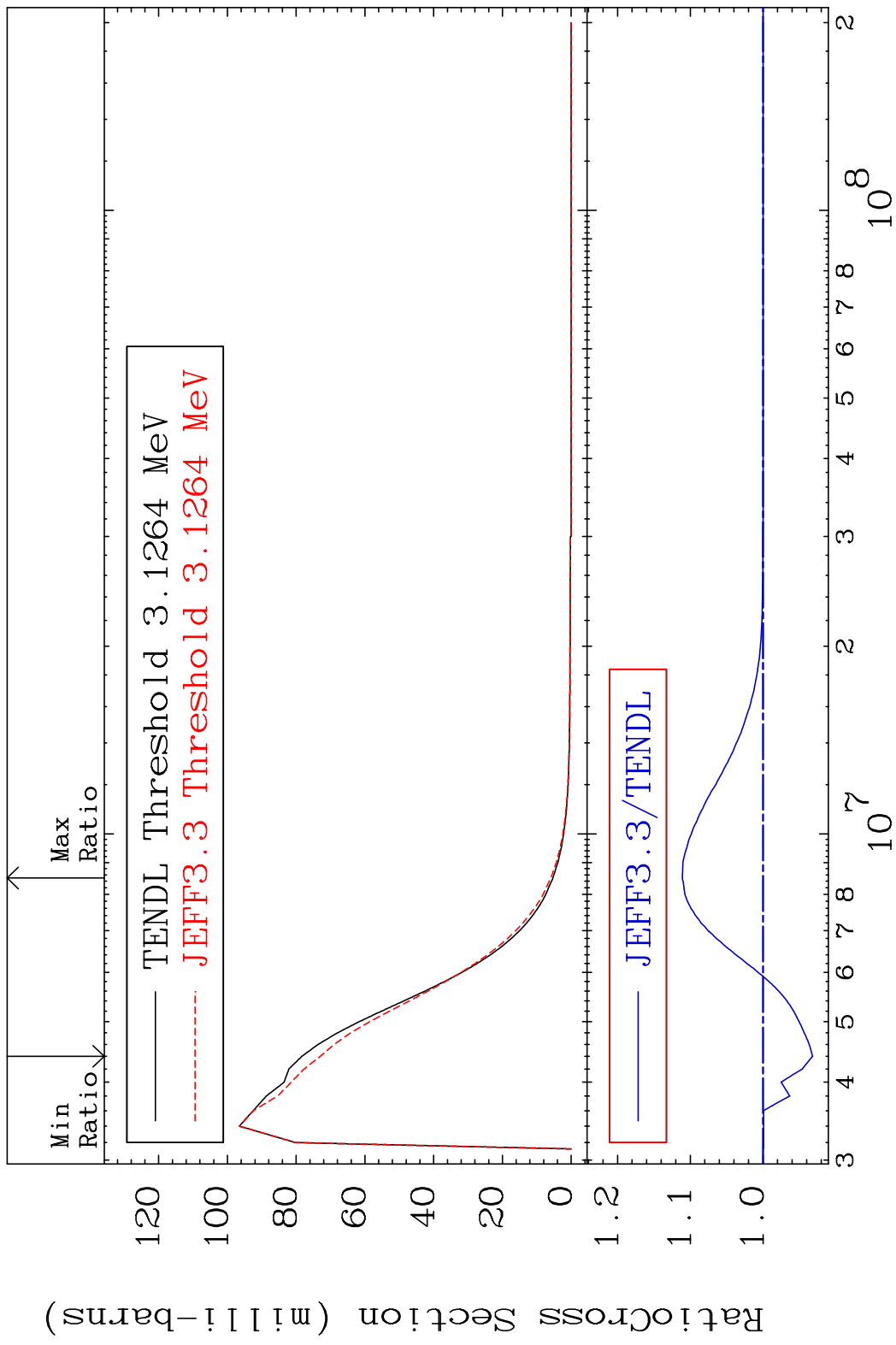
MAT 2231 MT= 54 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 75.49 %



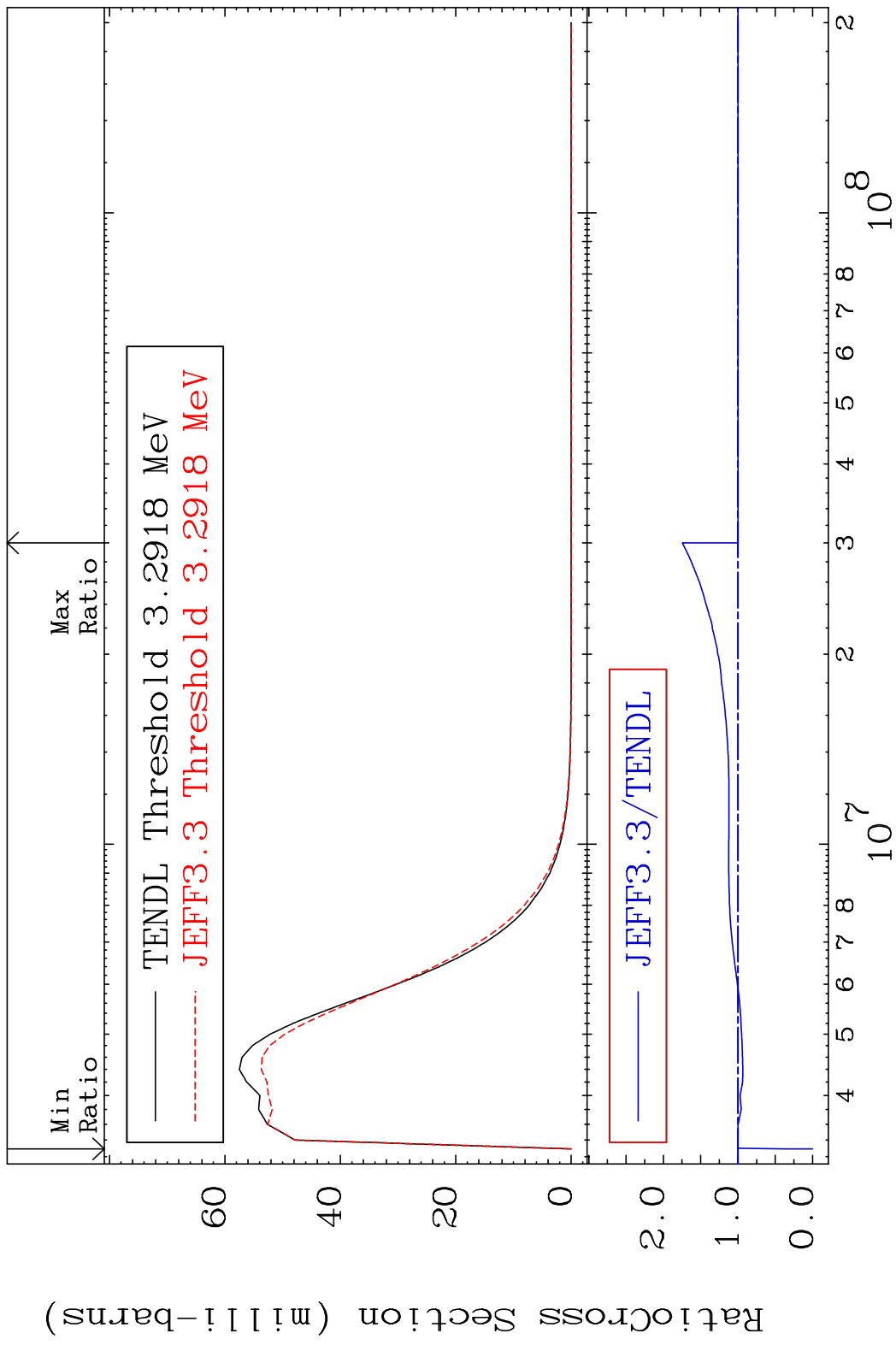
MAT 2231 MT= 55 (n,n') Level 22-Ti-48
Cross Section -7.131 To 252.5 %



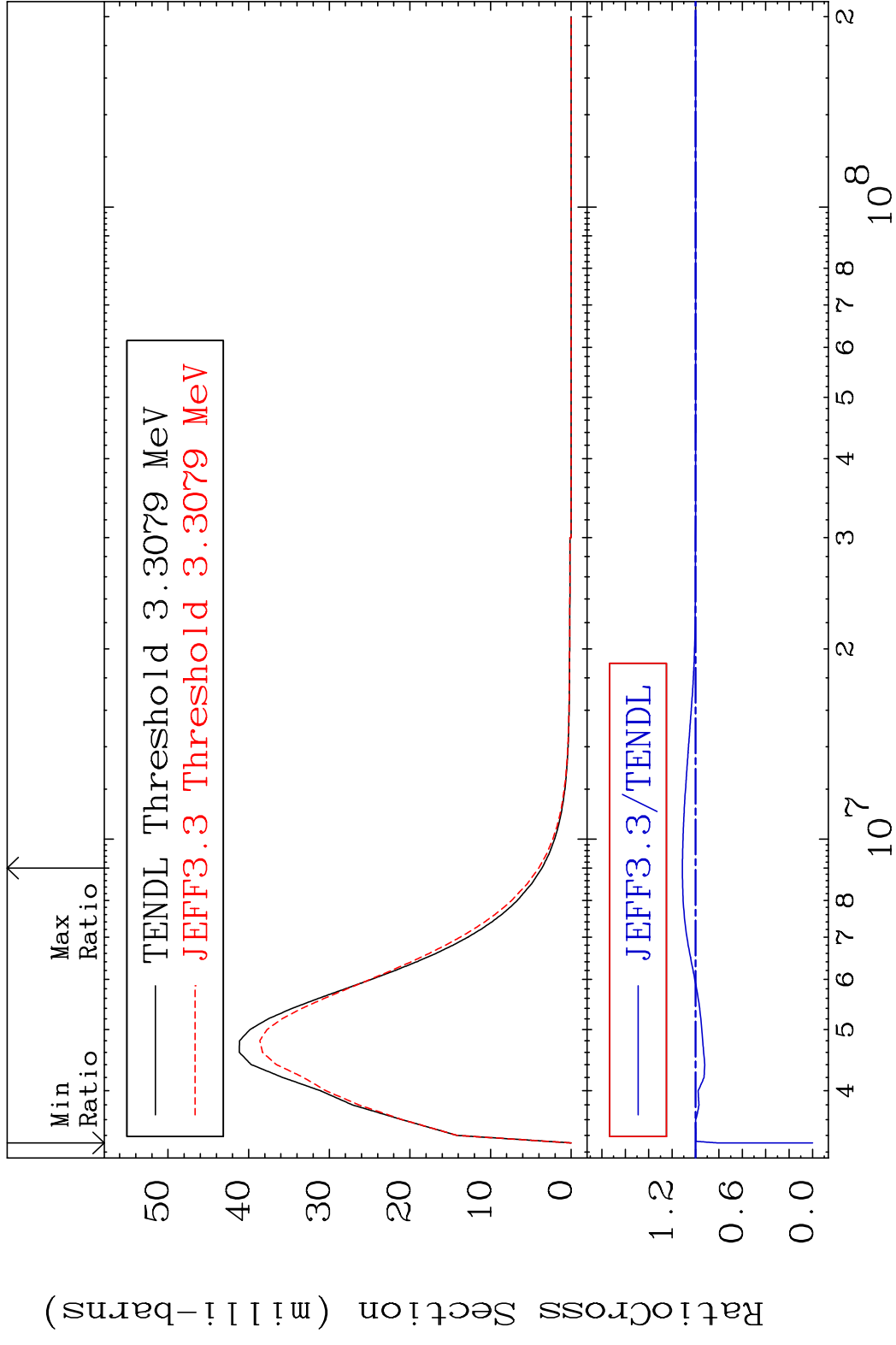
MAT 2231 MT= 56 (n,n') Level 22-Ti-48
 Cross Section -6.805 To 11.09 %



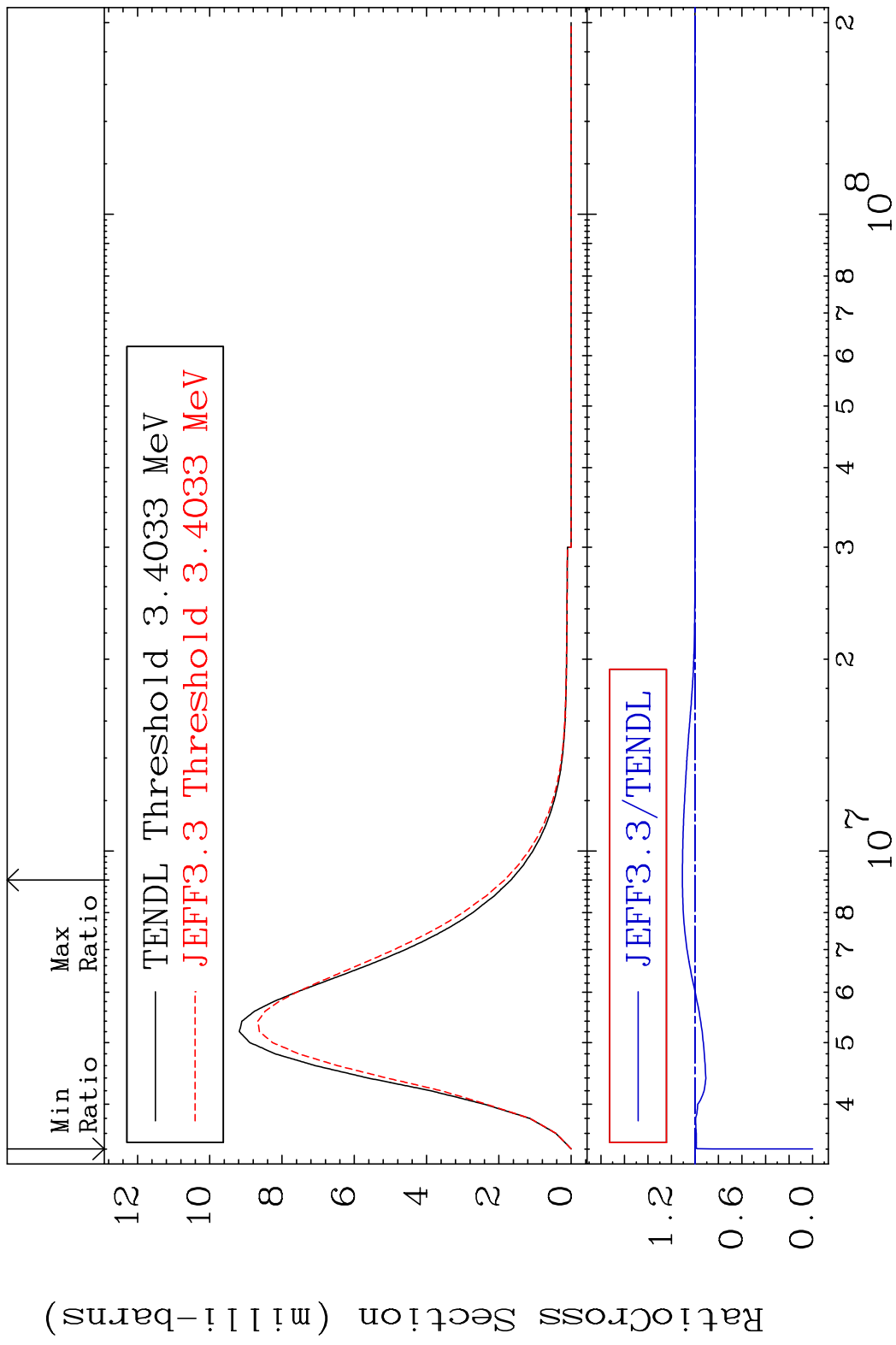
MAT 2231 MT= 57 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 74.58 %



MAT 2231 MT= 58 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 11.24 %

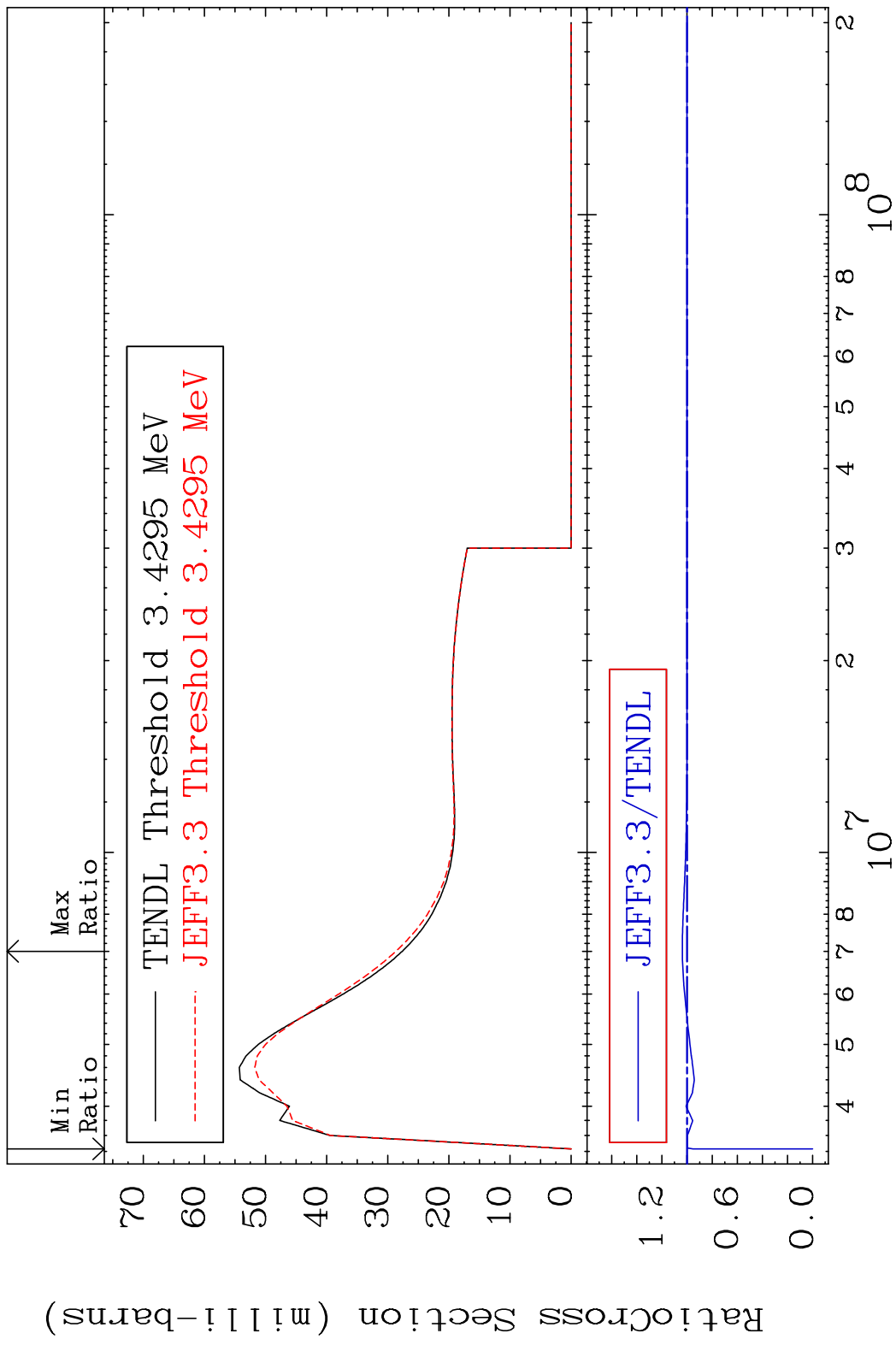


MAT 2231 MT= 59 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 10.75 %

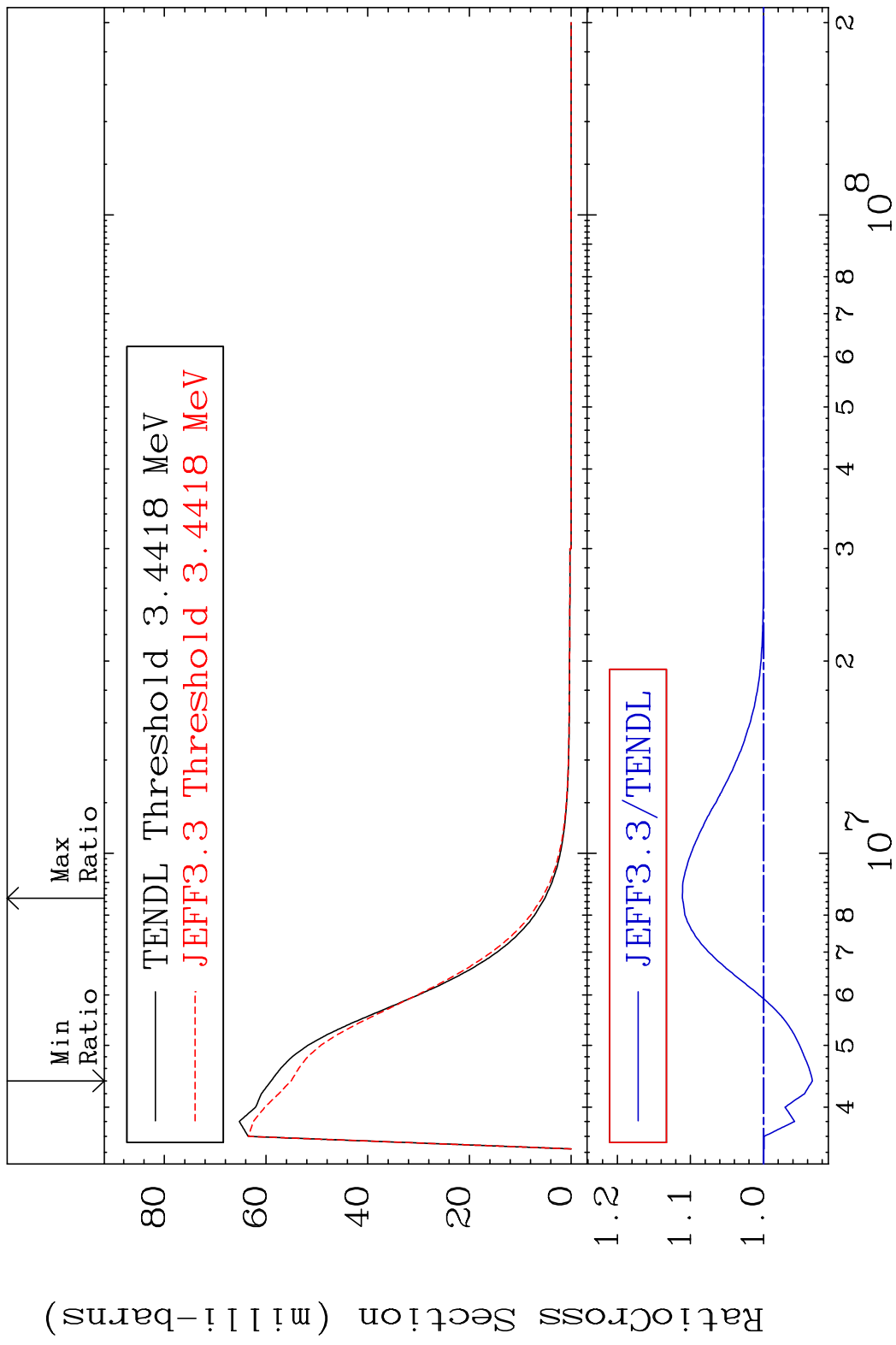


24 Incident Energy (eV) 22-Ti-48

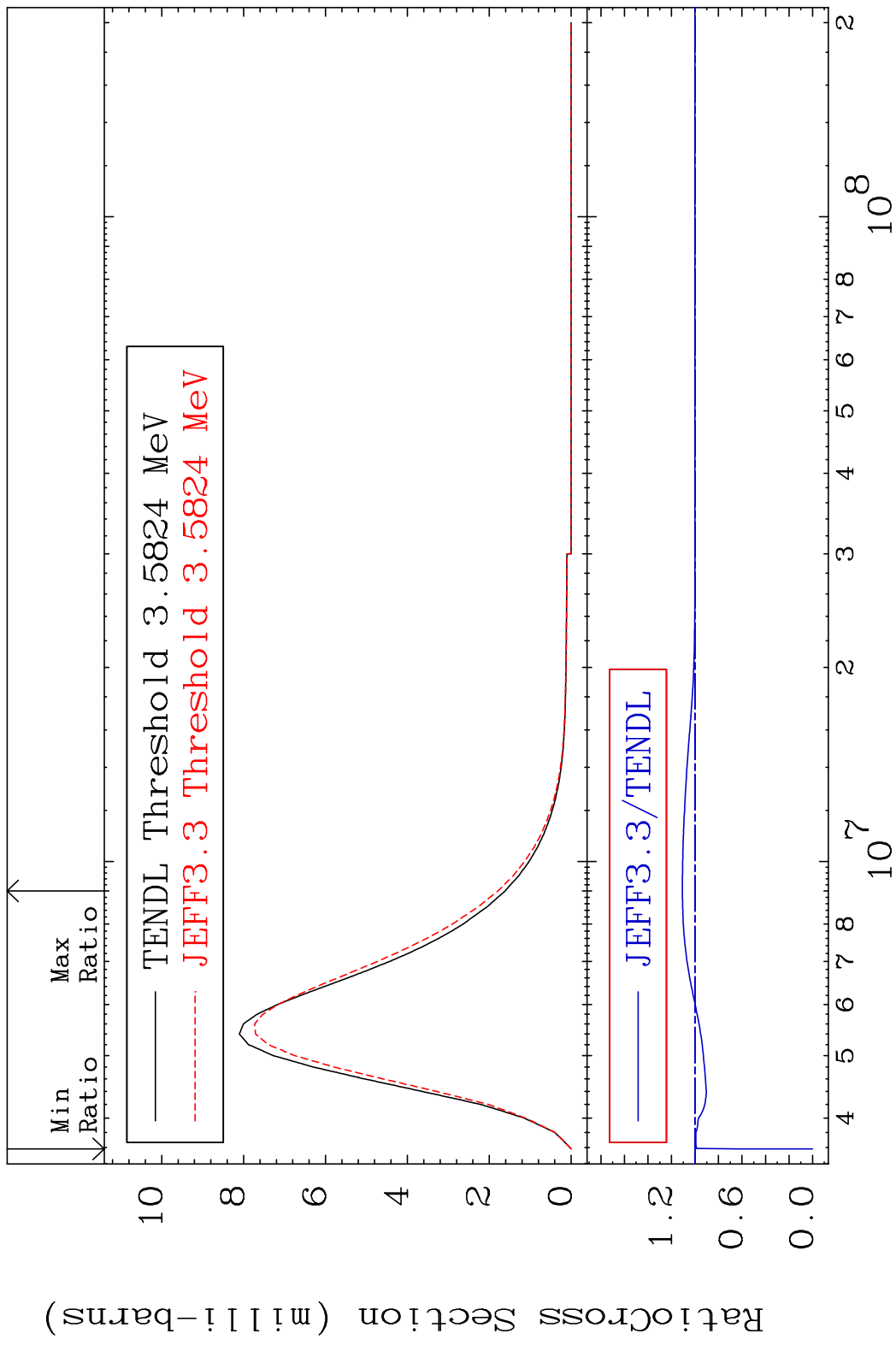
MAT 2231 MT= 60 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 3.748 %



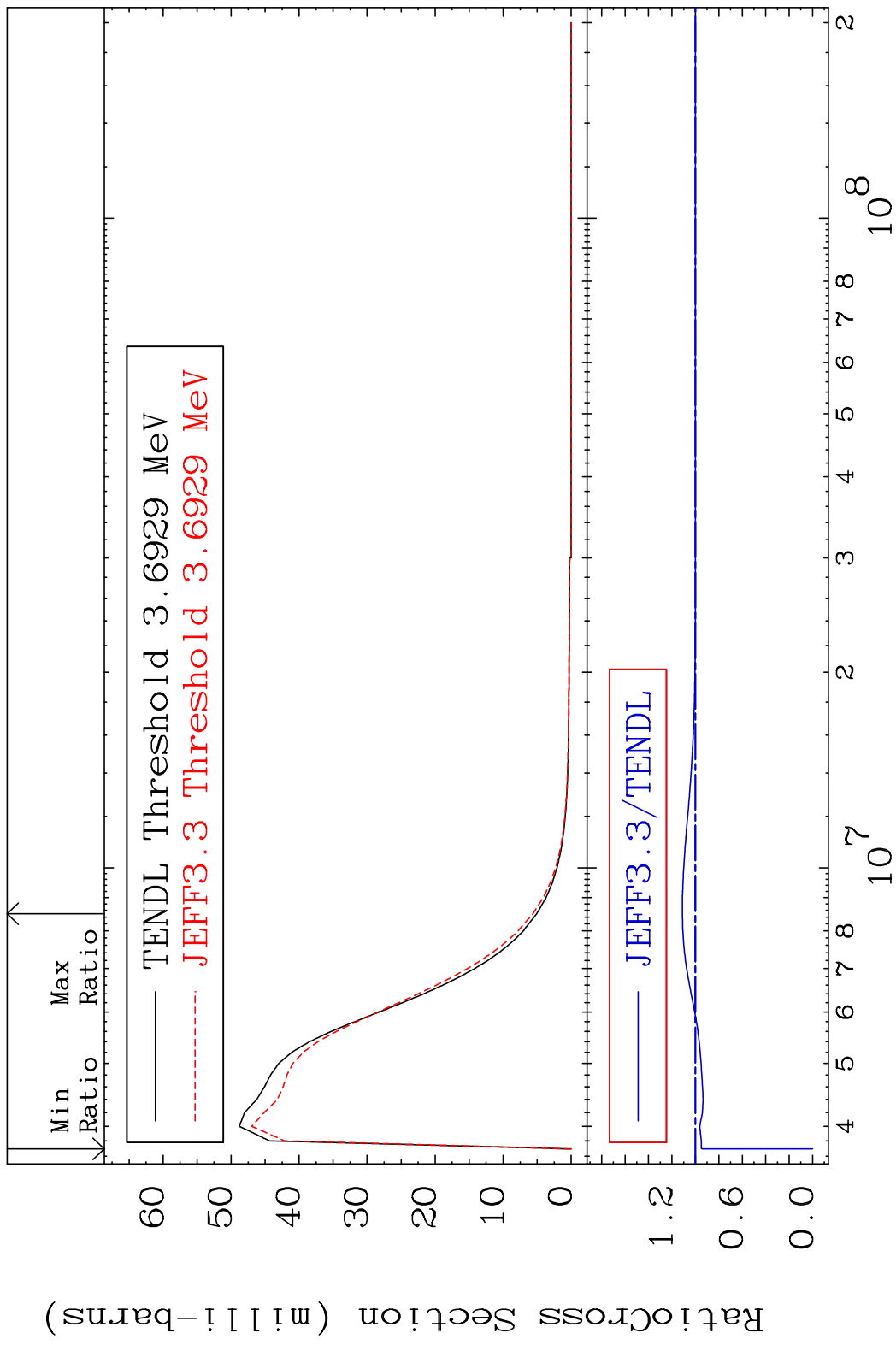
MAT 2231 MT= 61 (n, n') Level 22-Ti-48
 Cross Section -6.687 To 11.11 %



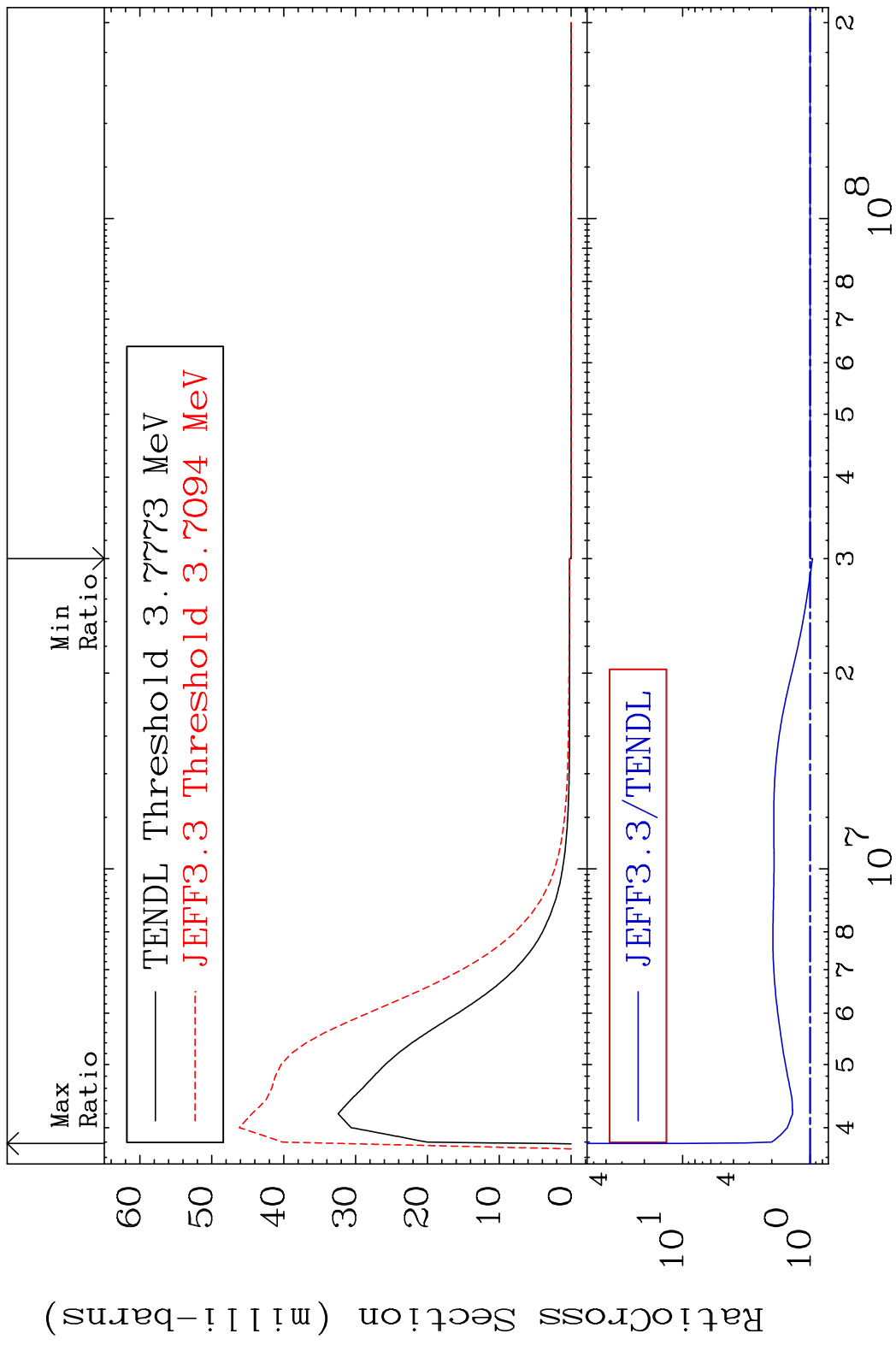
MAT 2231 MT= 62 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 10.75 %



MAT 2231 MT= 63 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 11.12 %

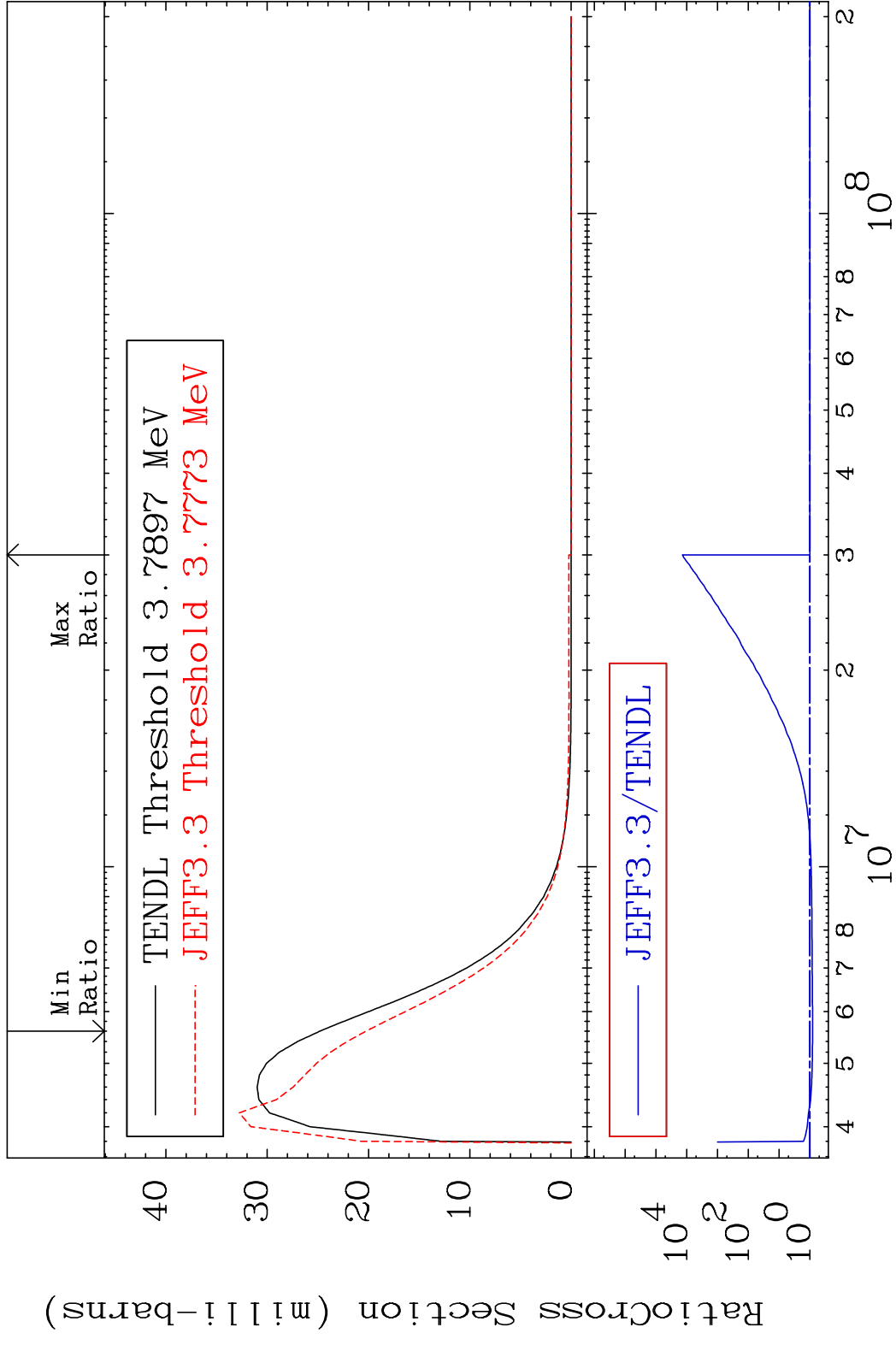


MAT 2231 MT= 64 (n,n') Level 22-Ti-48
 Cross Section -4.490 To 906.2 %



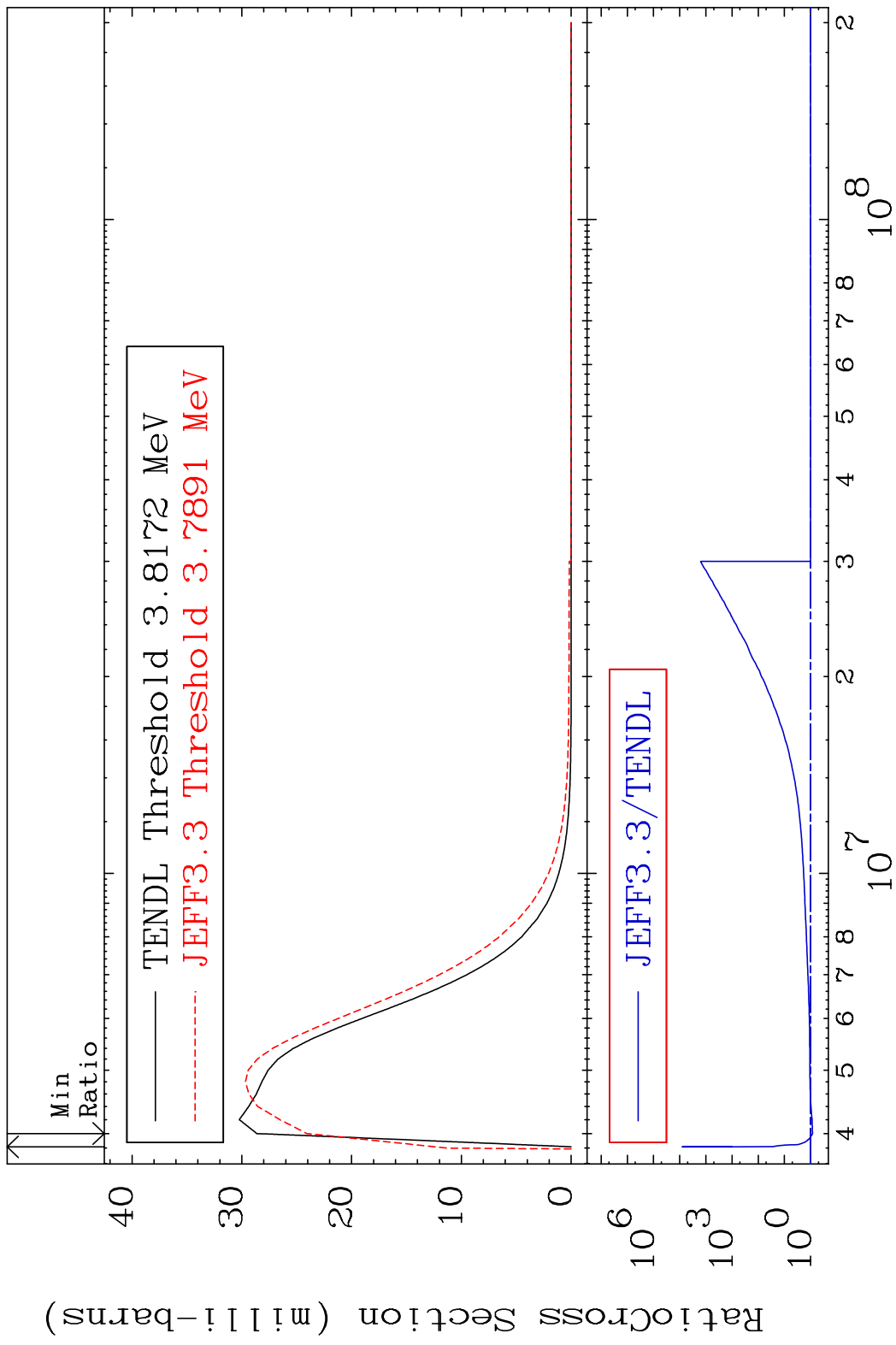
29 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 65 (n, n') Level 22-Ti-48
 Cross Section -18.33 To 9999. %



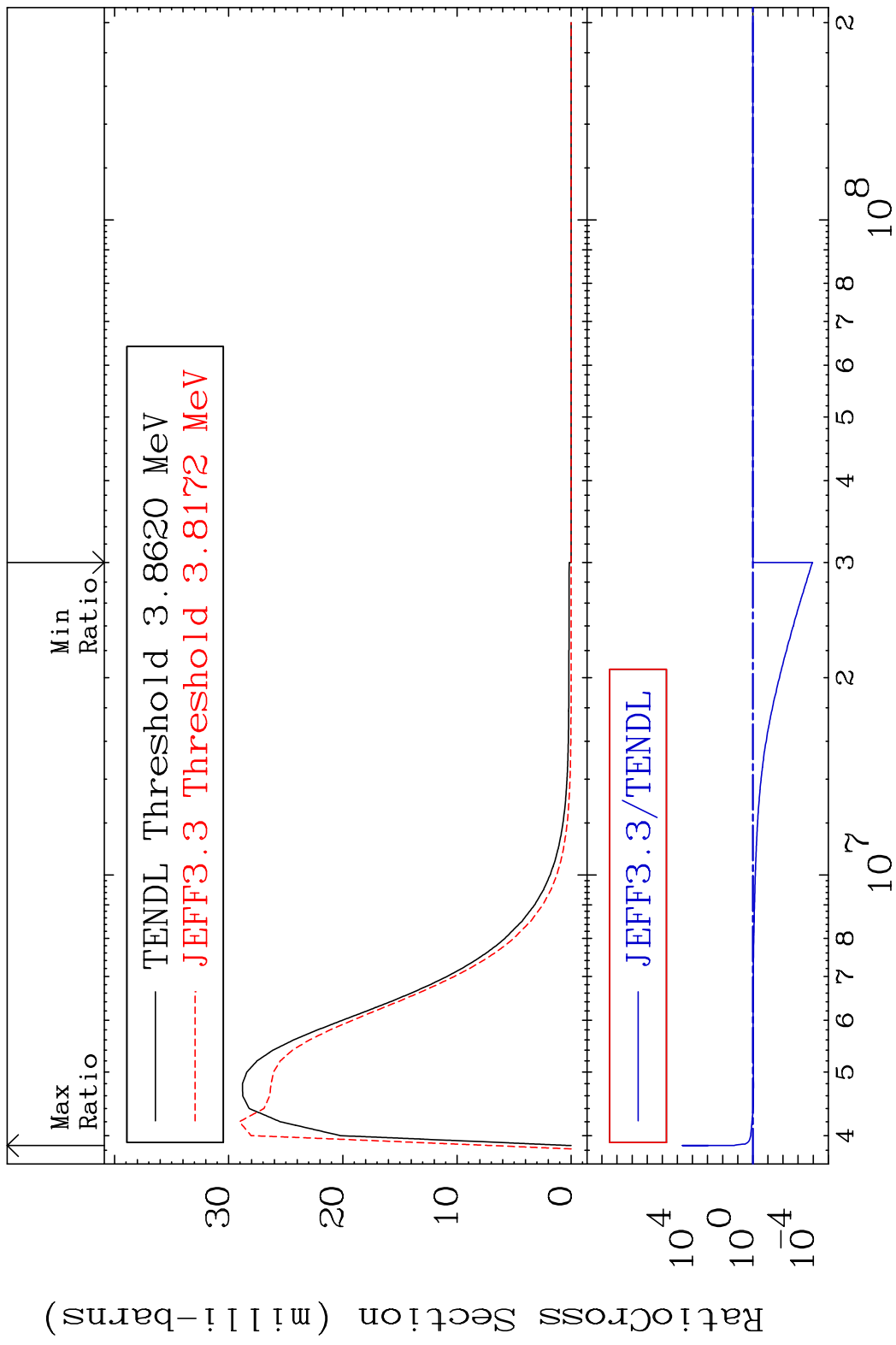
30 Incident Energy (eV) 22-Ti-48

MAT 2231 MT= 66 (n,n') Level 22-Ti-48
 Cross Section -15.93 To 9999. %

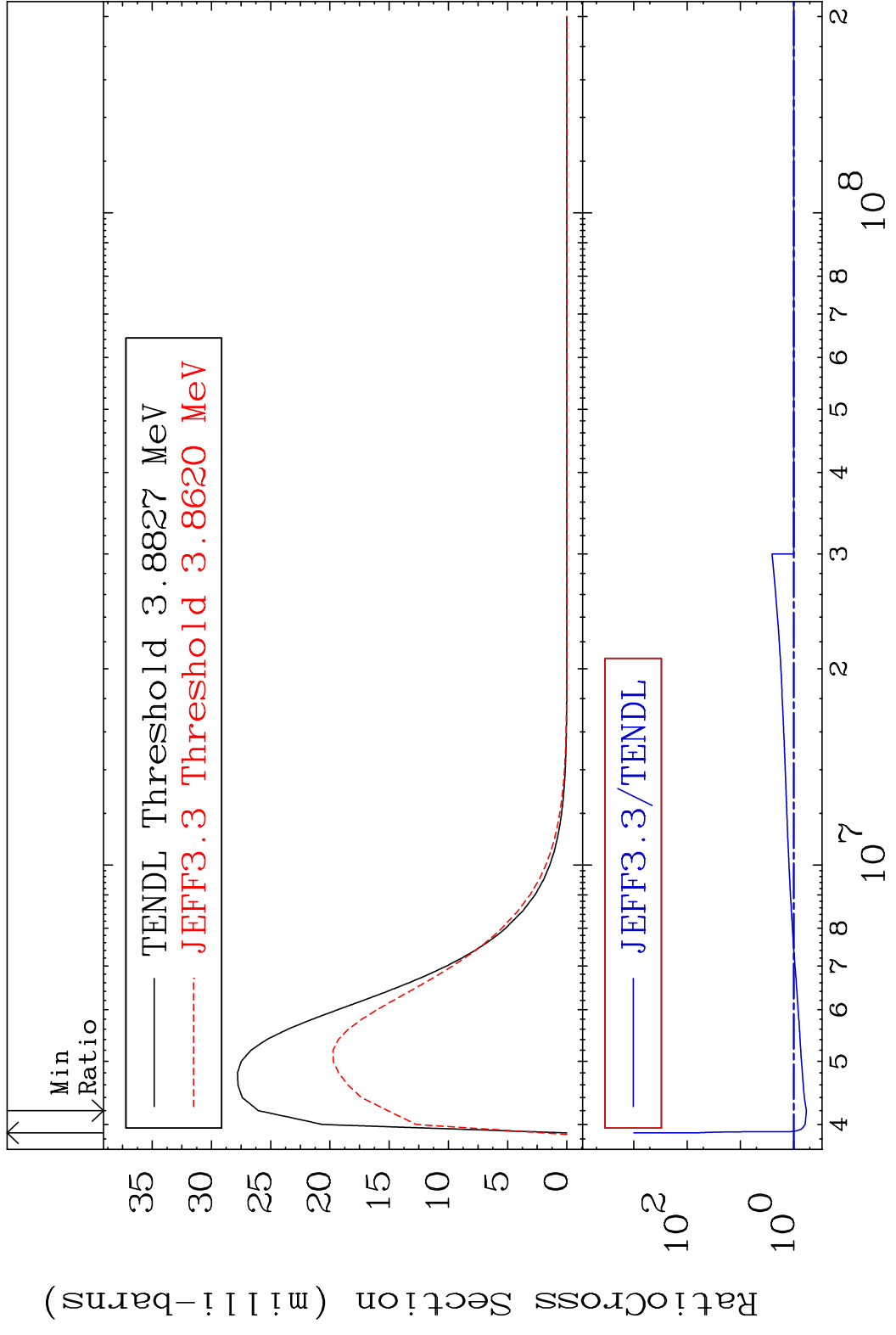


31 Incident Energy (eV) 22-Ti-48

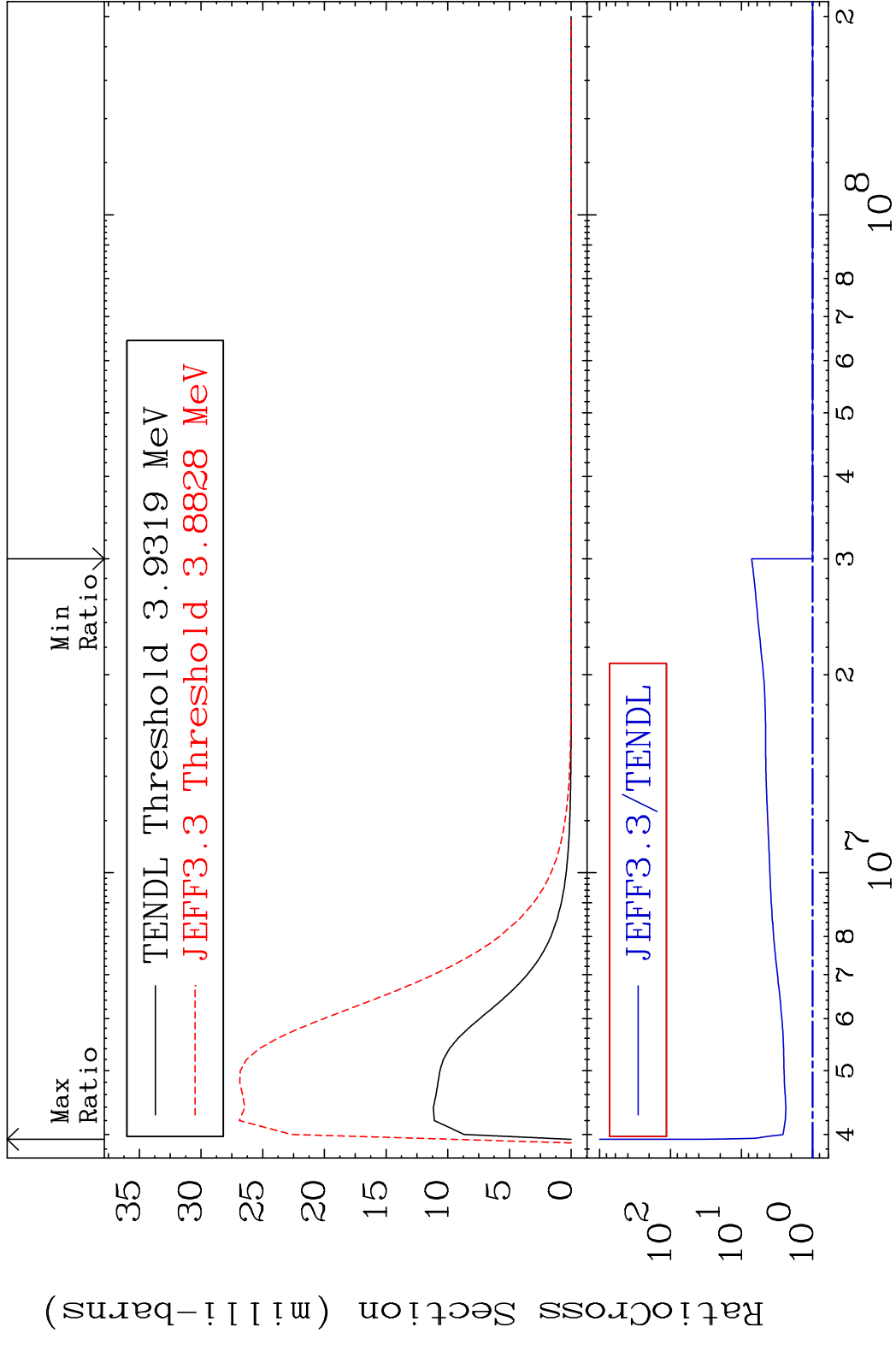
MAT 2231 MT= 67 (n, n') Level 22-Ti-48
 Cross Section -99.99 To 9999. %



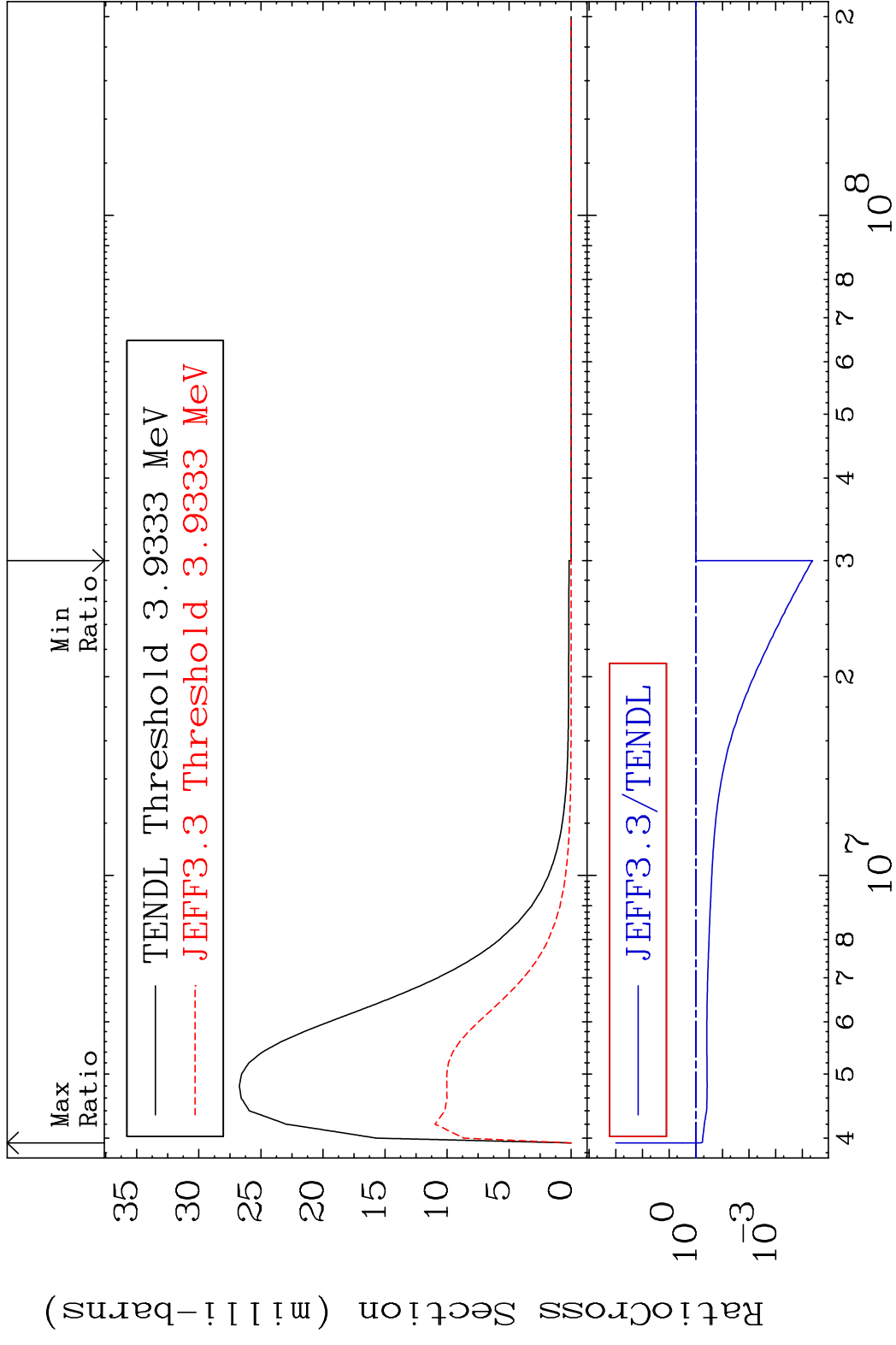
MAT 2231 MT= 68 (n,n') Level 22-Ti-48
 Cross Section -41.95 To 9999. %



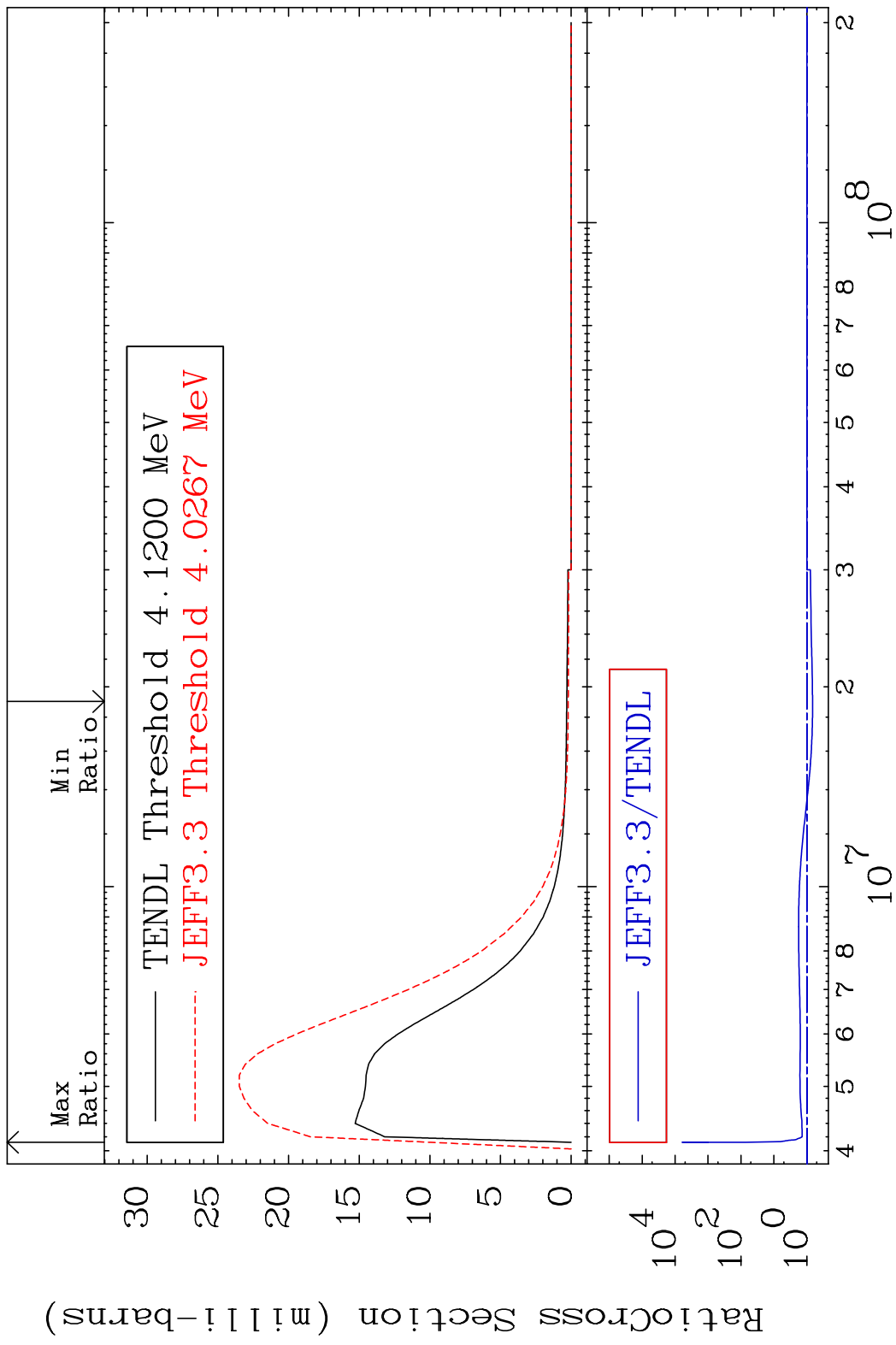
MAT 2231 MT= 69 (n, n') Level 22-Ti-48
 Cross Section 0.000 To 6715. %



MAT 2231 MT= 70 (n,n') Level 22-Ti-48
 Cross Section -100.0 To 219.0 %

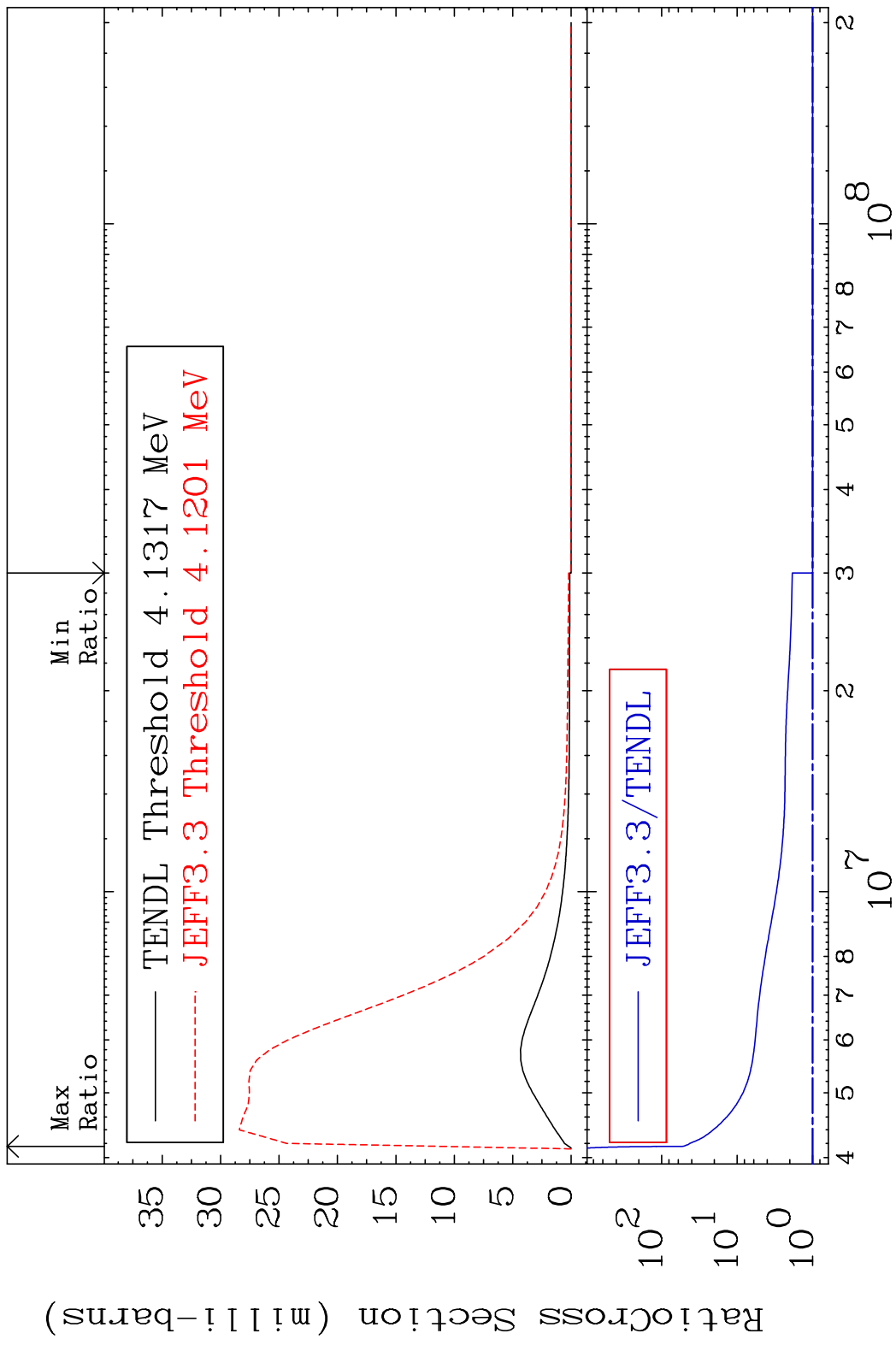


MAT 2231 MT= 71 (n,n') Level 22-Ti-48
 Cross Section -32.96 To 9999. %

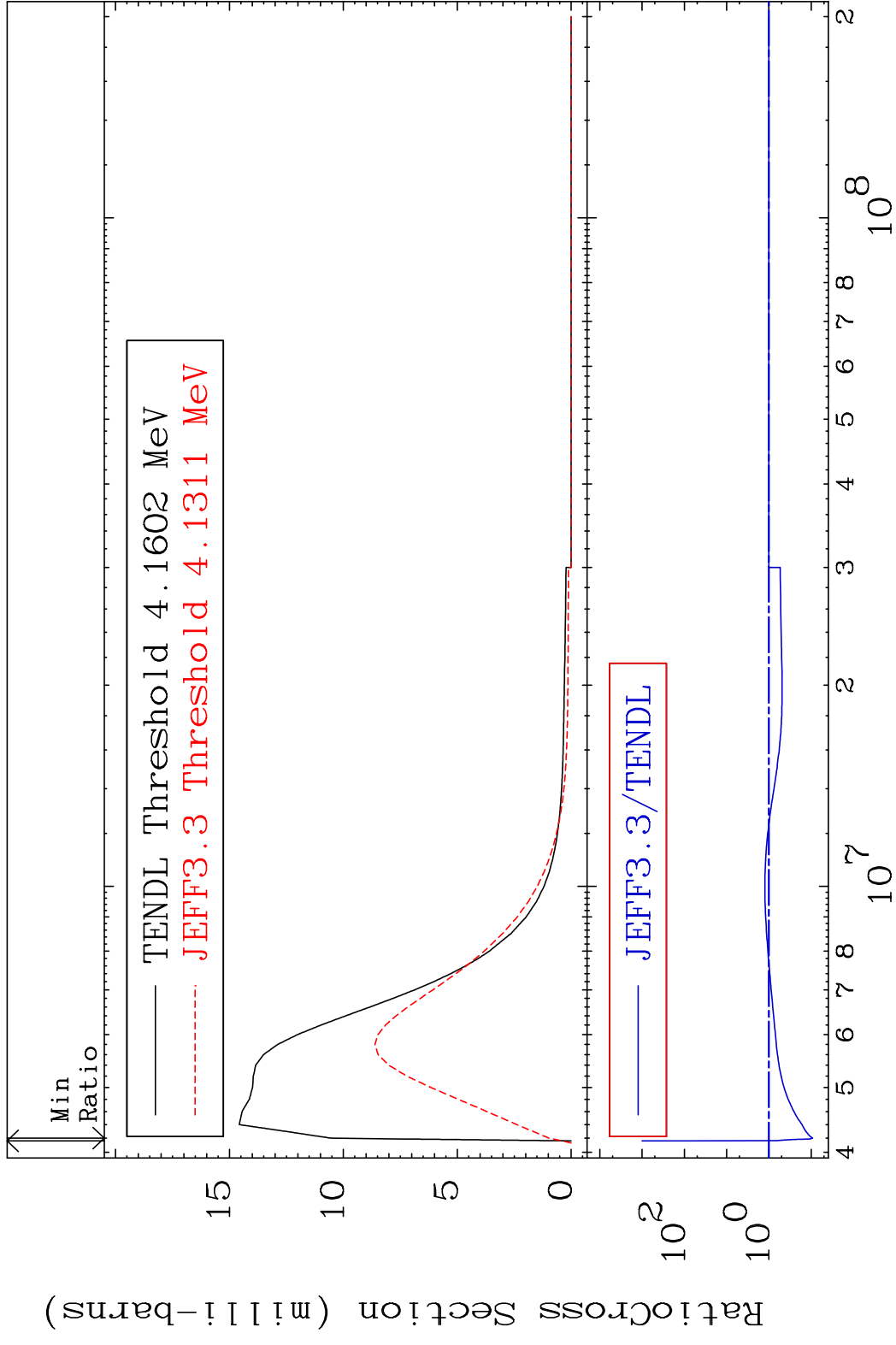


36 Incident Energy (eV) 22-Ti-48

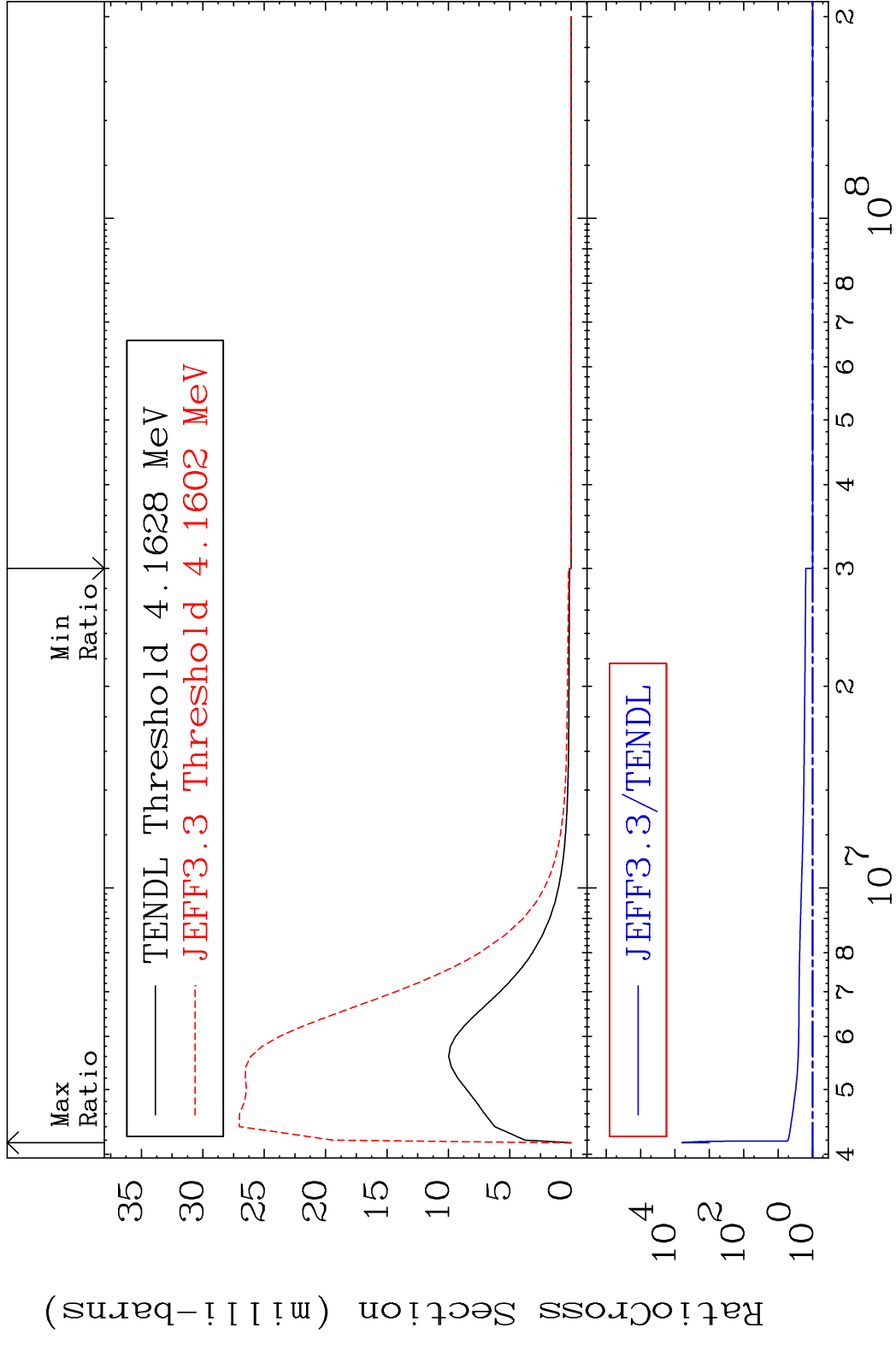
MAT 2231 MT= 72 (n,n') Level 22-Ti-48
 Cross Section 0.000 To 5213. %



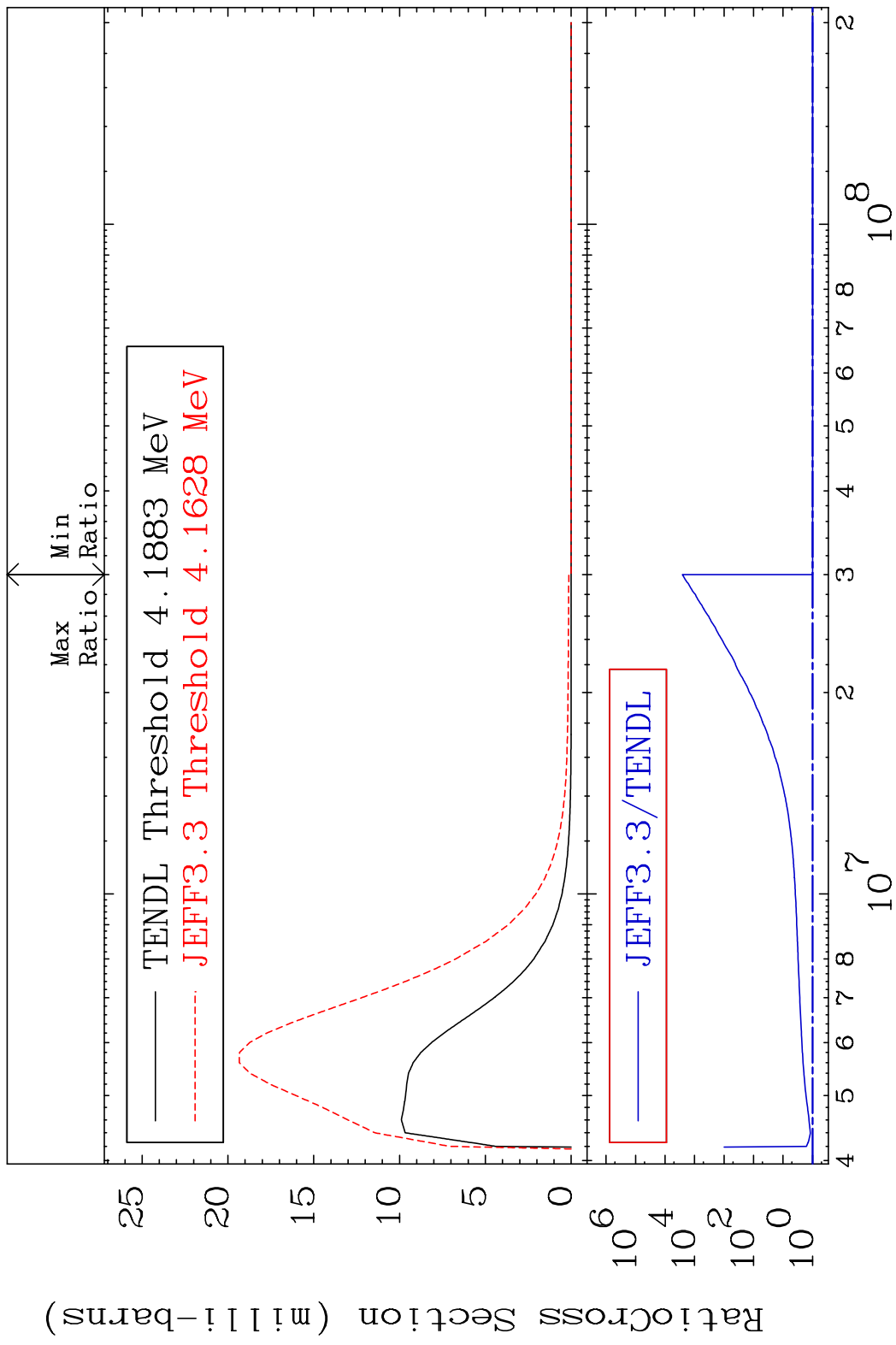
MAT 2231 MT= 73 (n, n') Level 22-Ti-48
 Cross Section -90.71 To 9999. %



MAT 2231 MT= 74 (n,n') Level 22-Ti-48
 Cross Section 0.000 To 9999. %

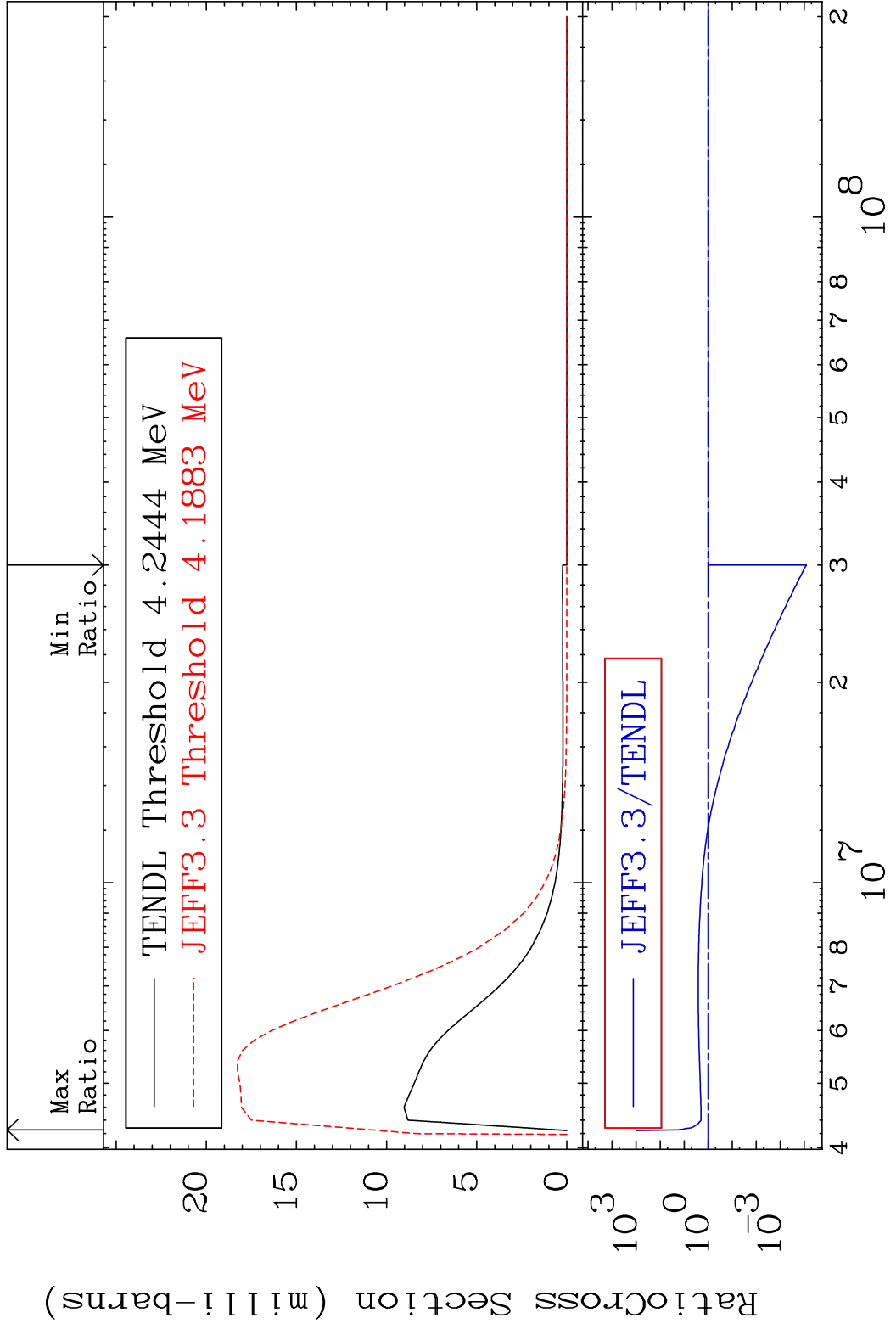


MAT 2231 MT= 75 (n, n') Level 22-Ti-48
 Cross Section 0.000 To 9999. %

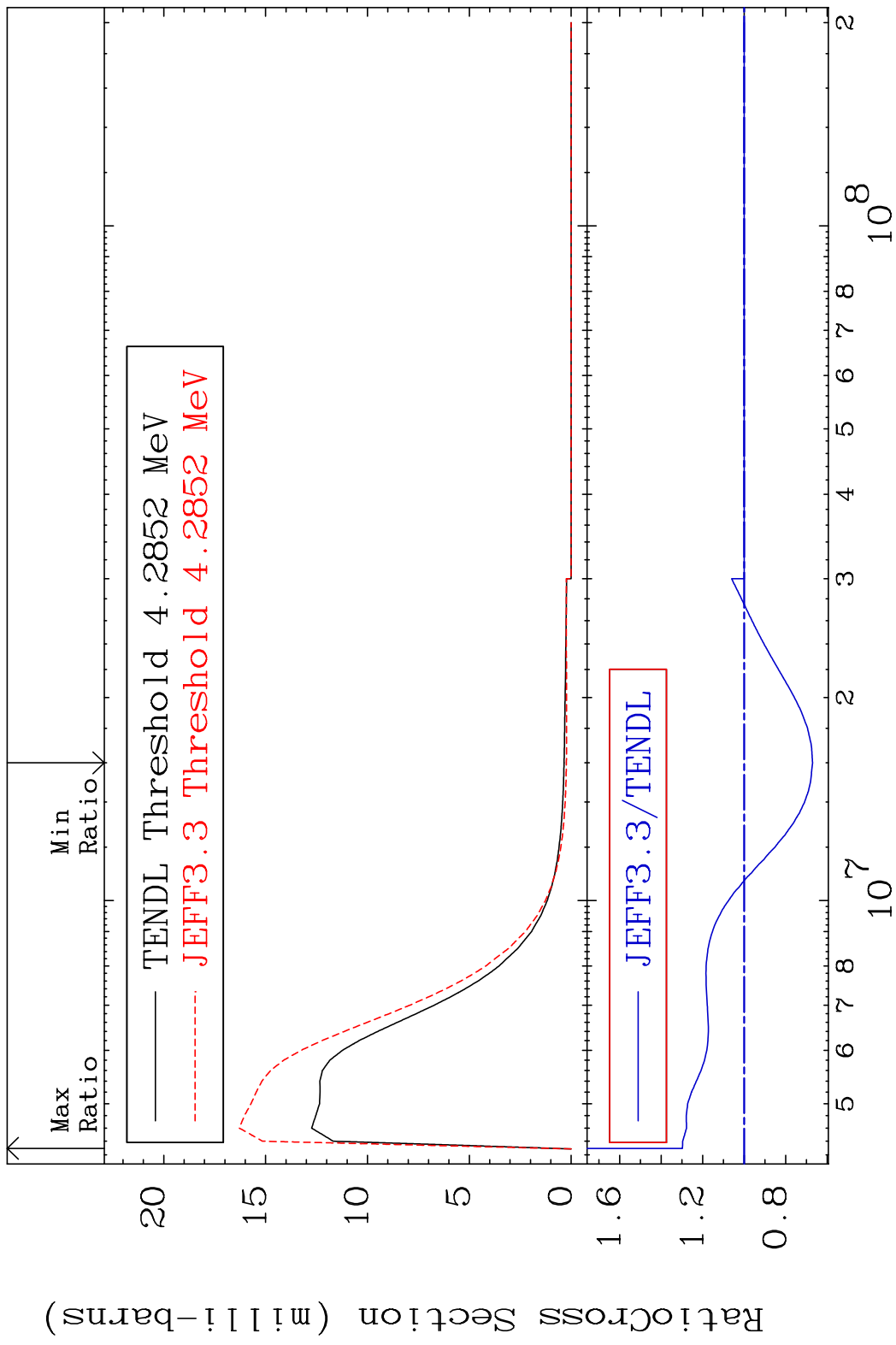


40 Incident Energy (eV) 22-Ti-48

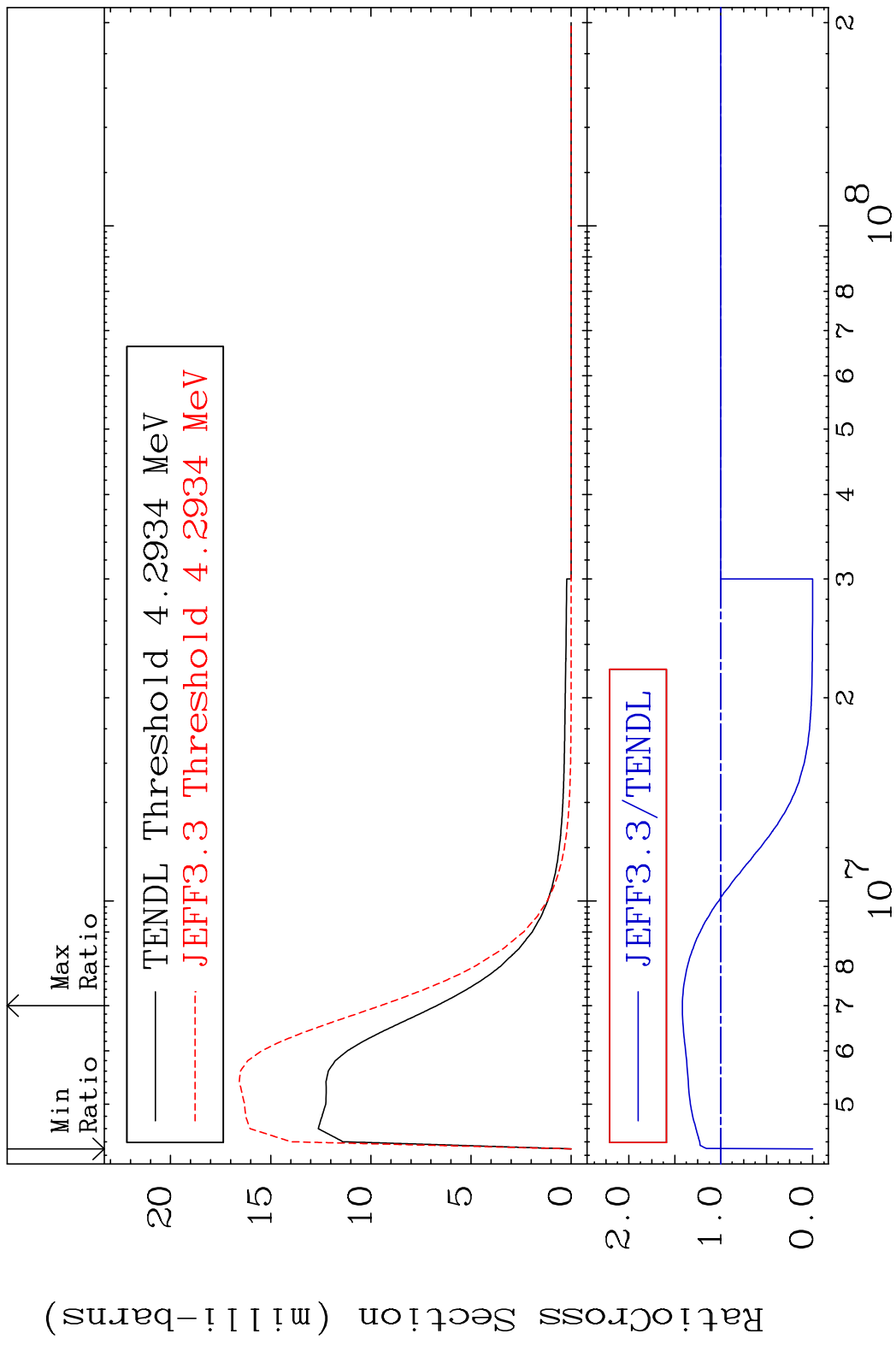
MAT 2231 MT= 76 (n,n') Level 22-Ti-48
 Cross Section -99.99 To 1852. %



MAT 2231 MT= 77 (n,n') Level 22-Ti-48
 Cross Section -32.92 To 29.83 %



MAT 2231 MT= 78 (n, n') Level 22-Ti-48
 Cross Section -100.0 To 41.75 %

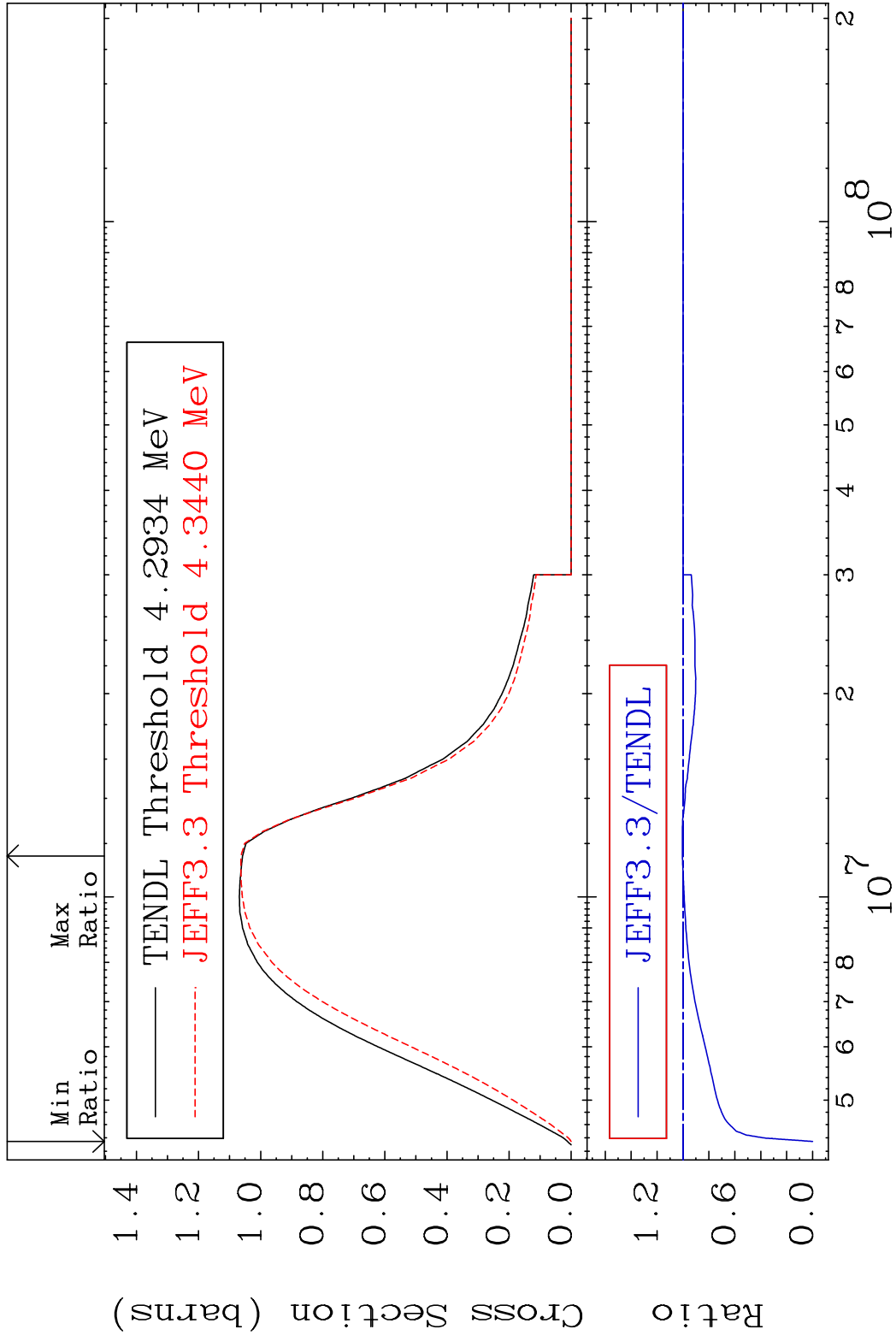


MAT 2231

(n,n') Continuum

²²Ti-48

Cross Section -100.0 To 0.482 %



44

Incident Energy (eV)

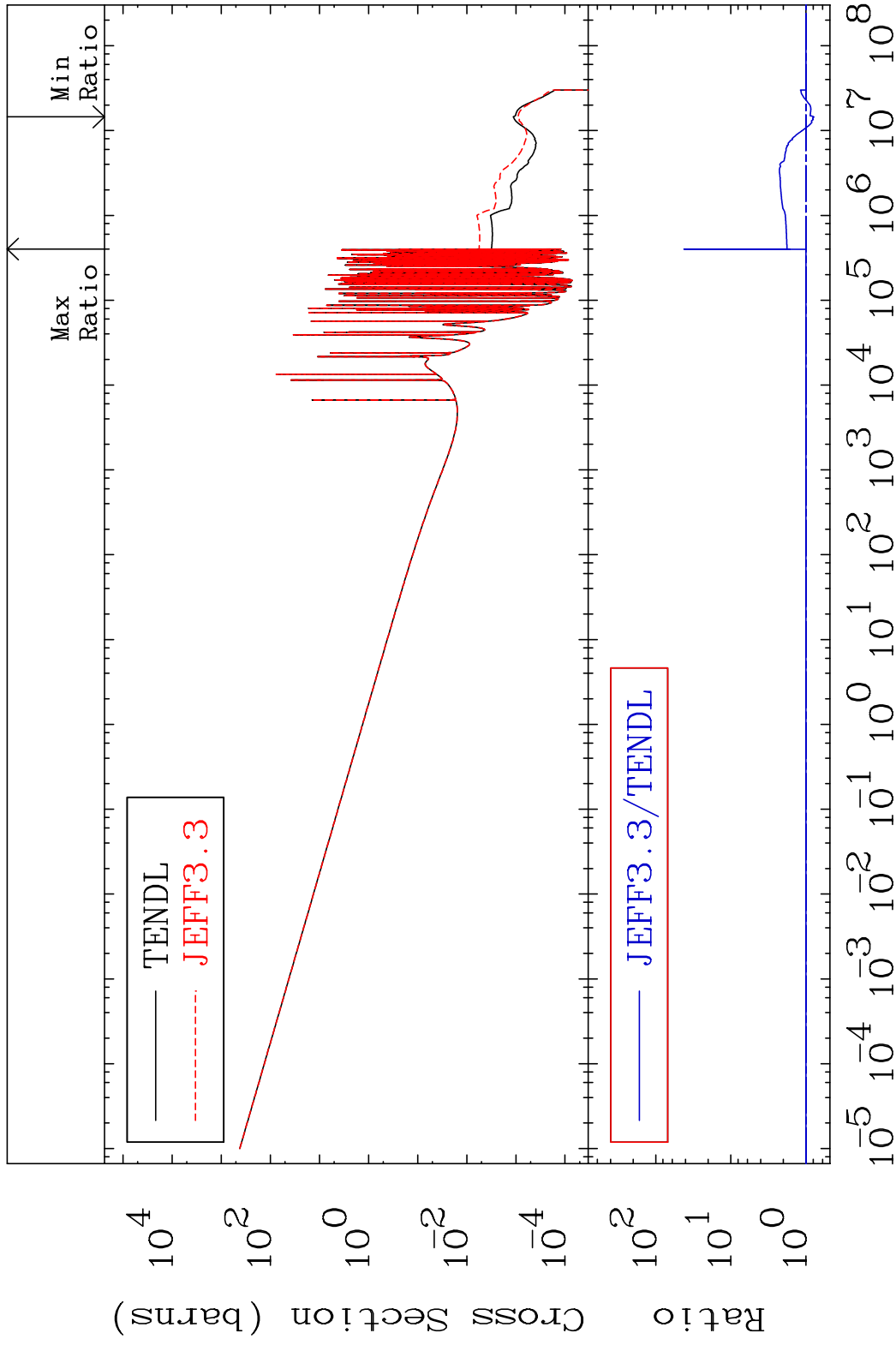
²²Ti-48

MAT 2231

(n, γ)

22-Ti-48

Cross Section -21.99 To 4147. %



45

Incident Energy (eV)

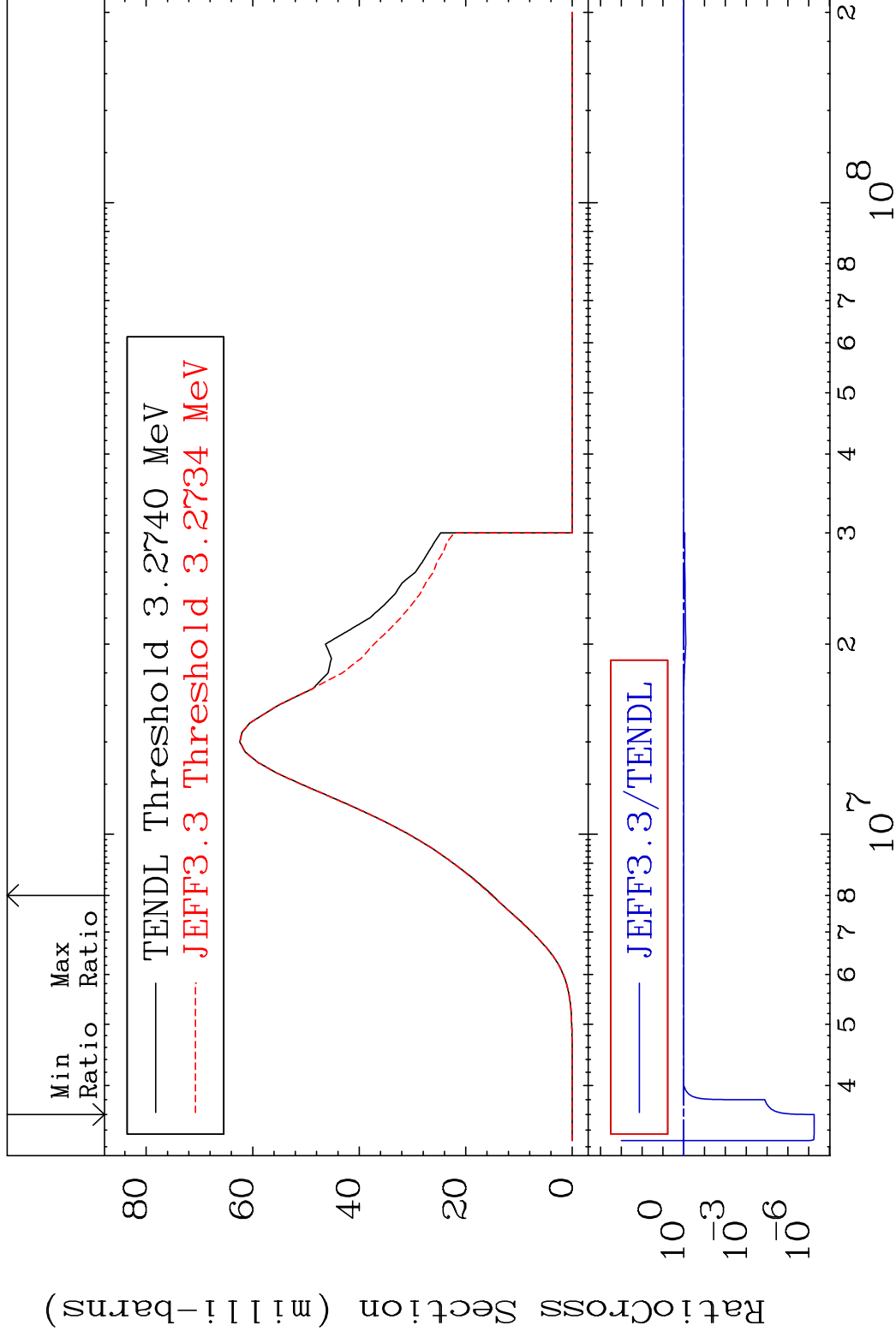
22-Ti-48

MAT 2231

(n, p)

²²Ti-48

Cross Section -100.0 To 1.086 %



46

Incident Energy (eV)

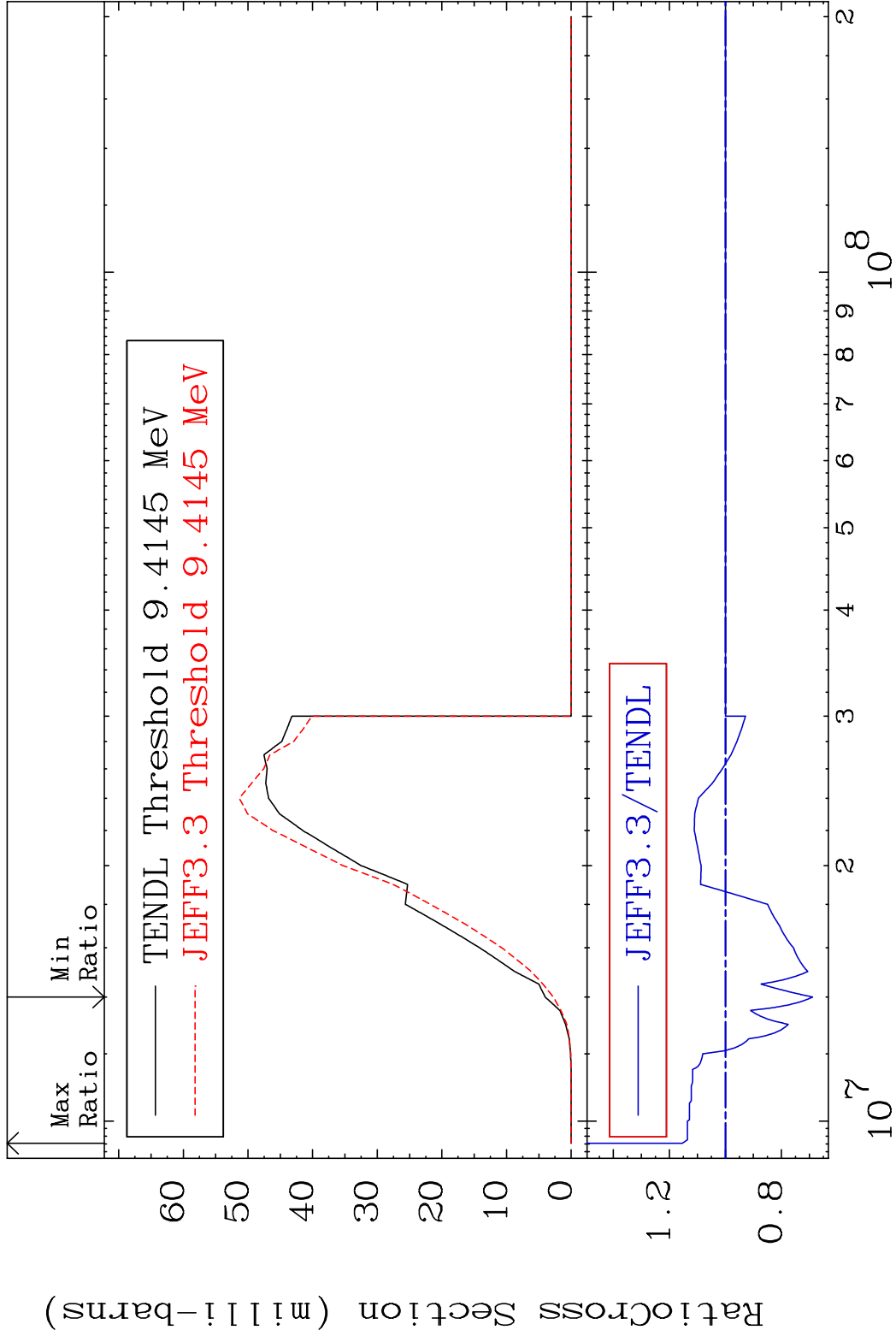
²²Ti-48

MAT 2231

(n, d)

22-Ti-48

Cross Section -31.12 To 15.38 %



47

Incident Energy (eV)

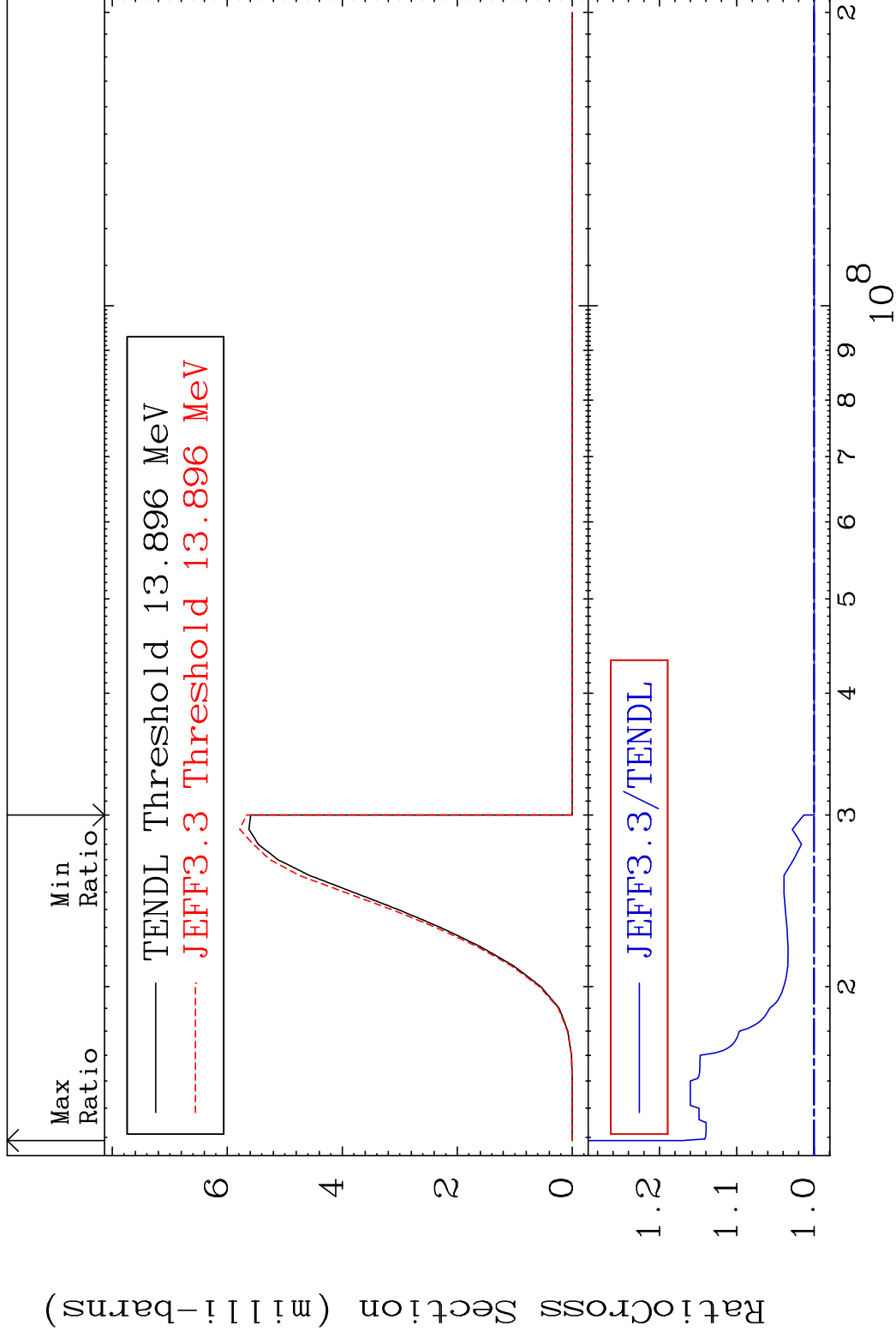
22-Ti-48

MAT 2231

(n, t)

²²Ti-48

Cross Section 0.000 To 16.87 %



48

Incident Energy (eV)

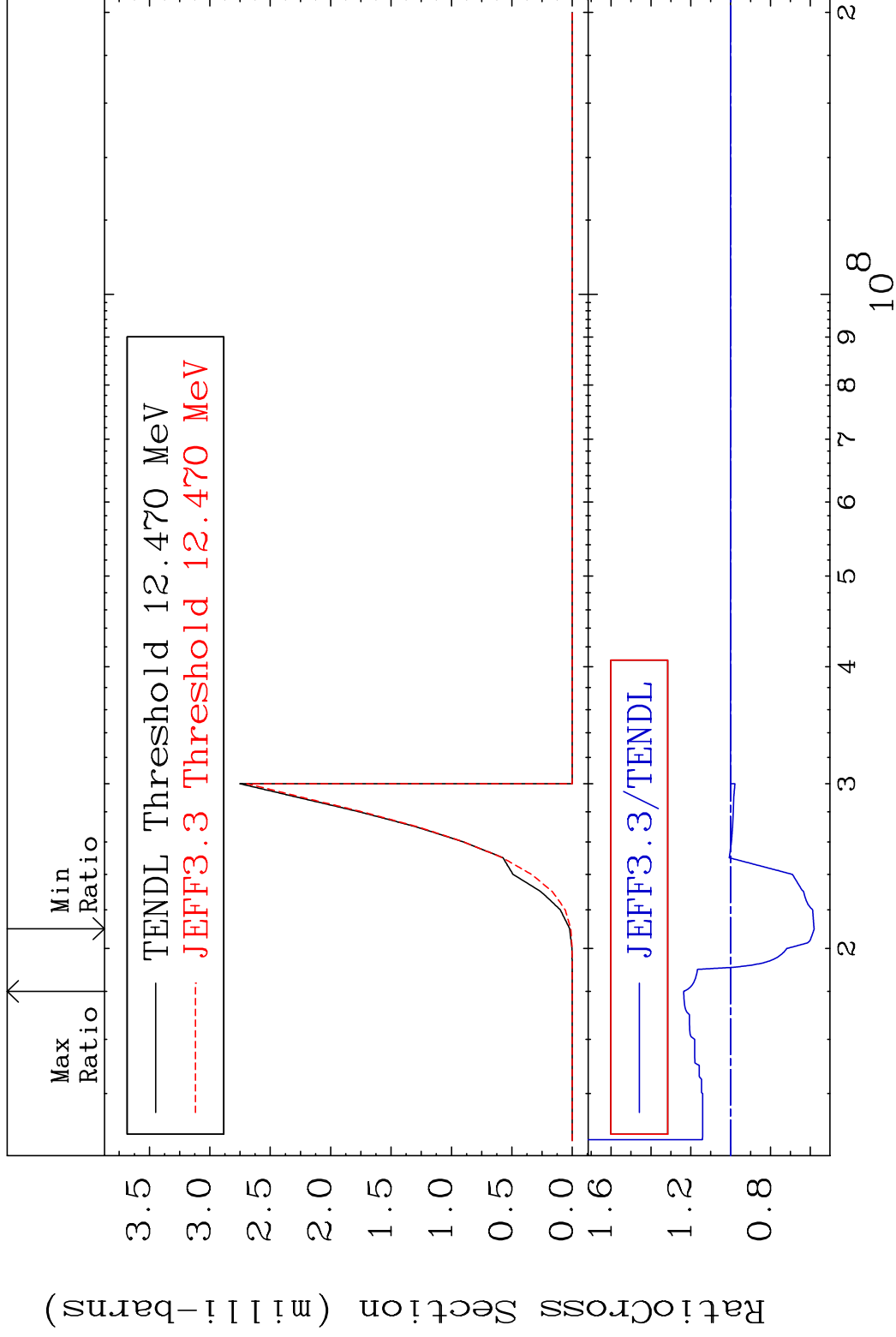
²²Ti-48

MAT 2231

(n, He-3)

²²Ti-48

Cross Section -41.90 To 23.57 %



49

Incident Energy (eV)

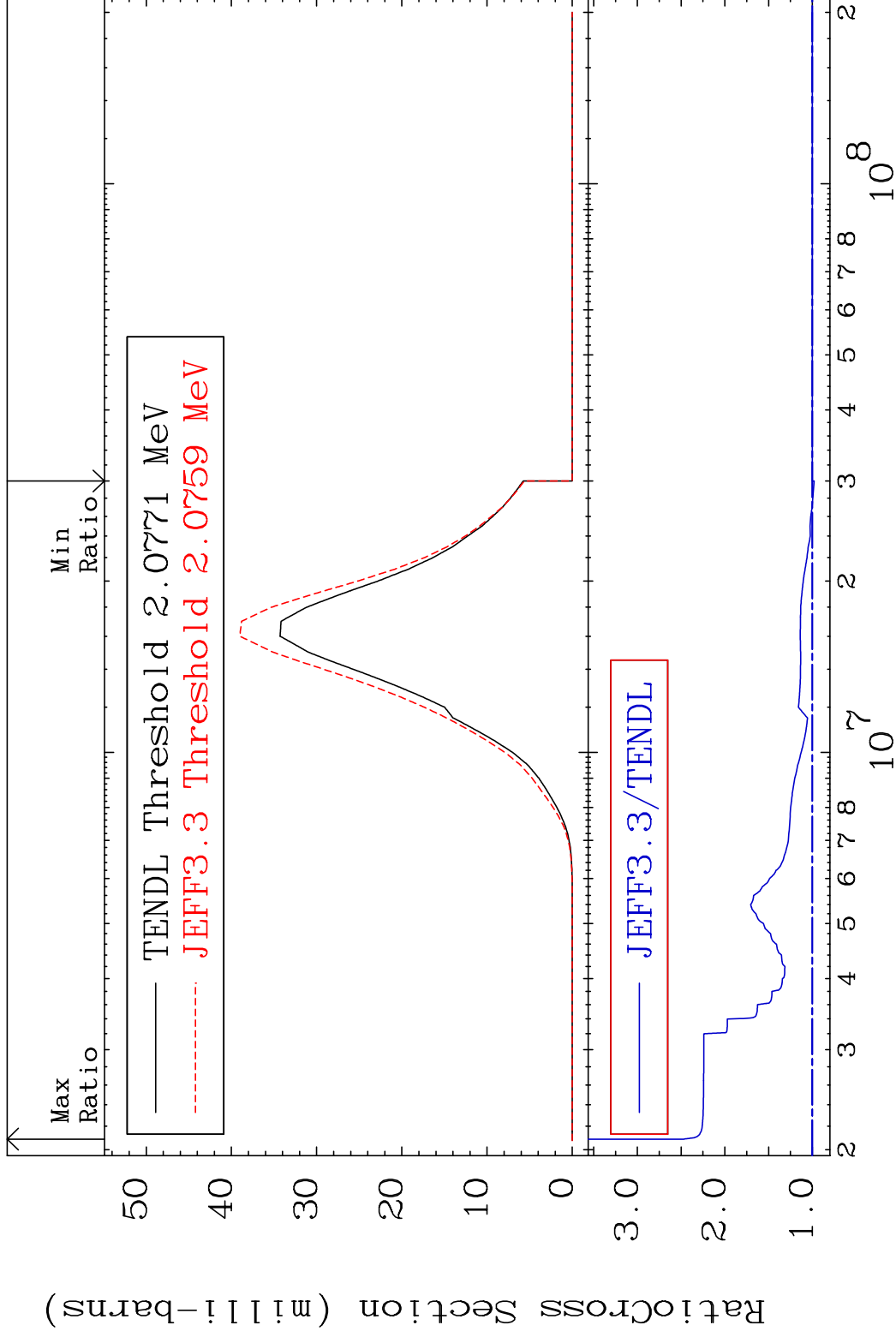
²²Ti-48

MAT 2231

(n, α)

²²Ti-48

Cross Section -2.056 To 147.1 %

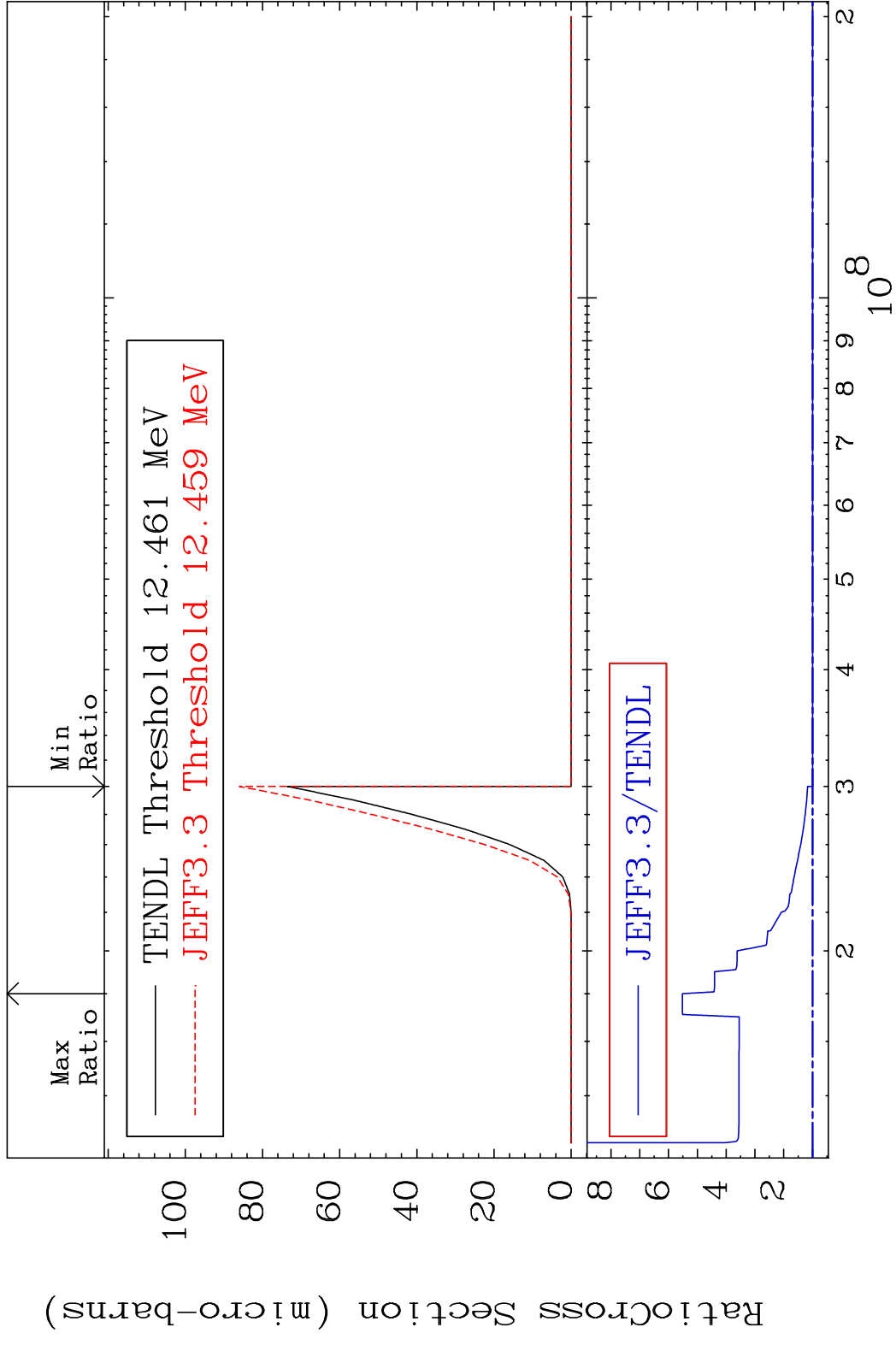


50

Incident Energy (eV)

²²Ti-48

MAT 2231 (n,2α) 22-Ti-48
 Cross Section 0.000 To 452.0 %

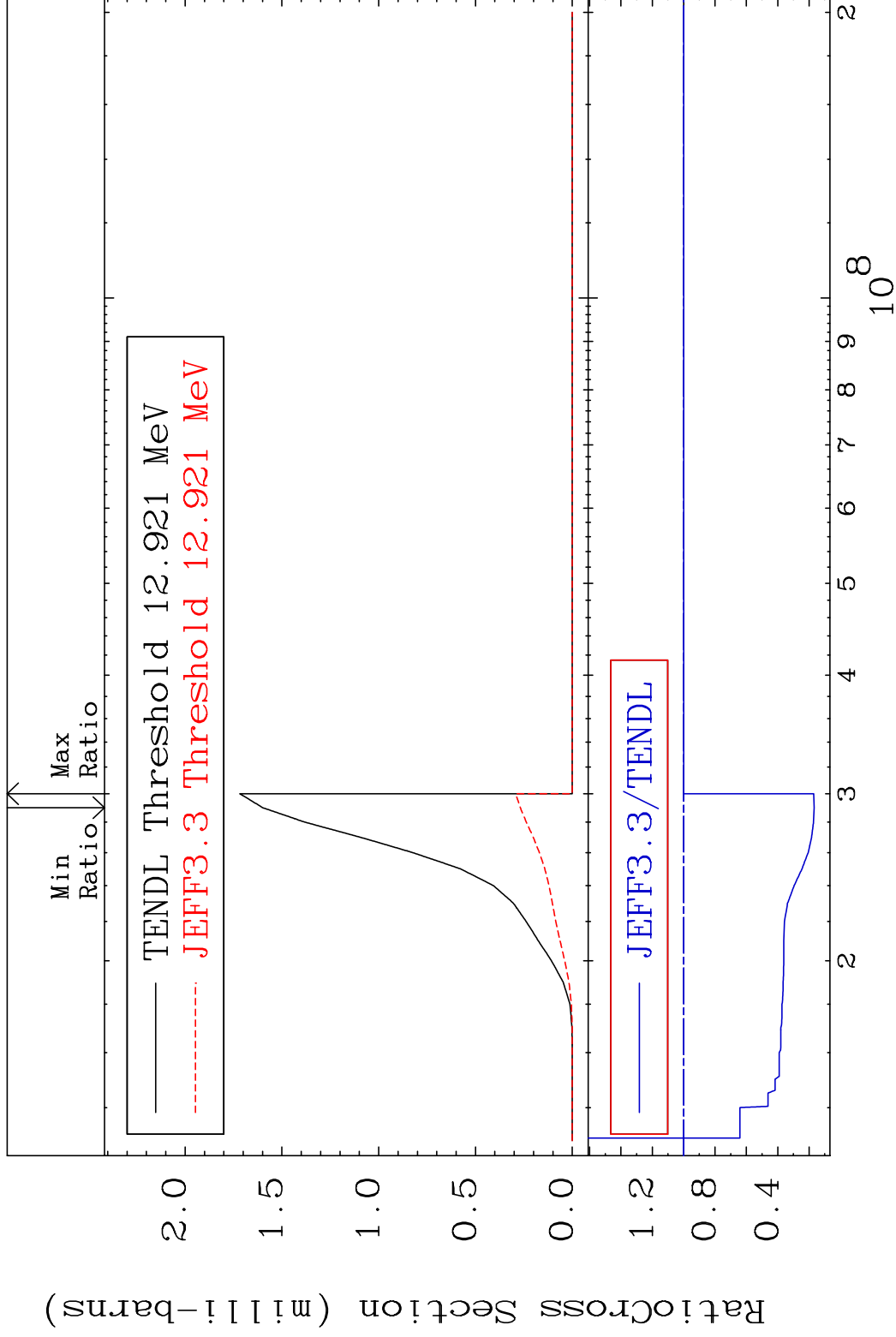


MAT 2231

(n,2p)

²²Ti-48

Cross Section -83.20 To 0.000 %



52

Incident Energy (eV)

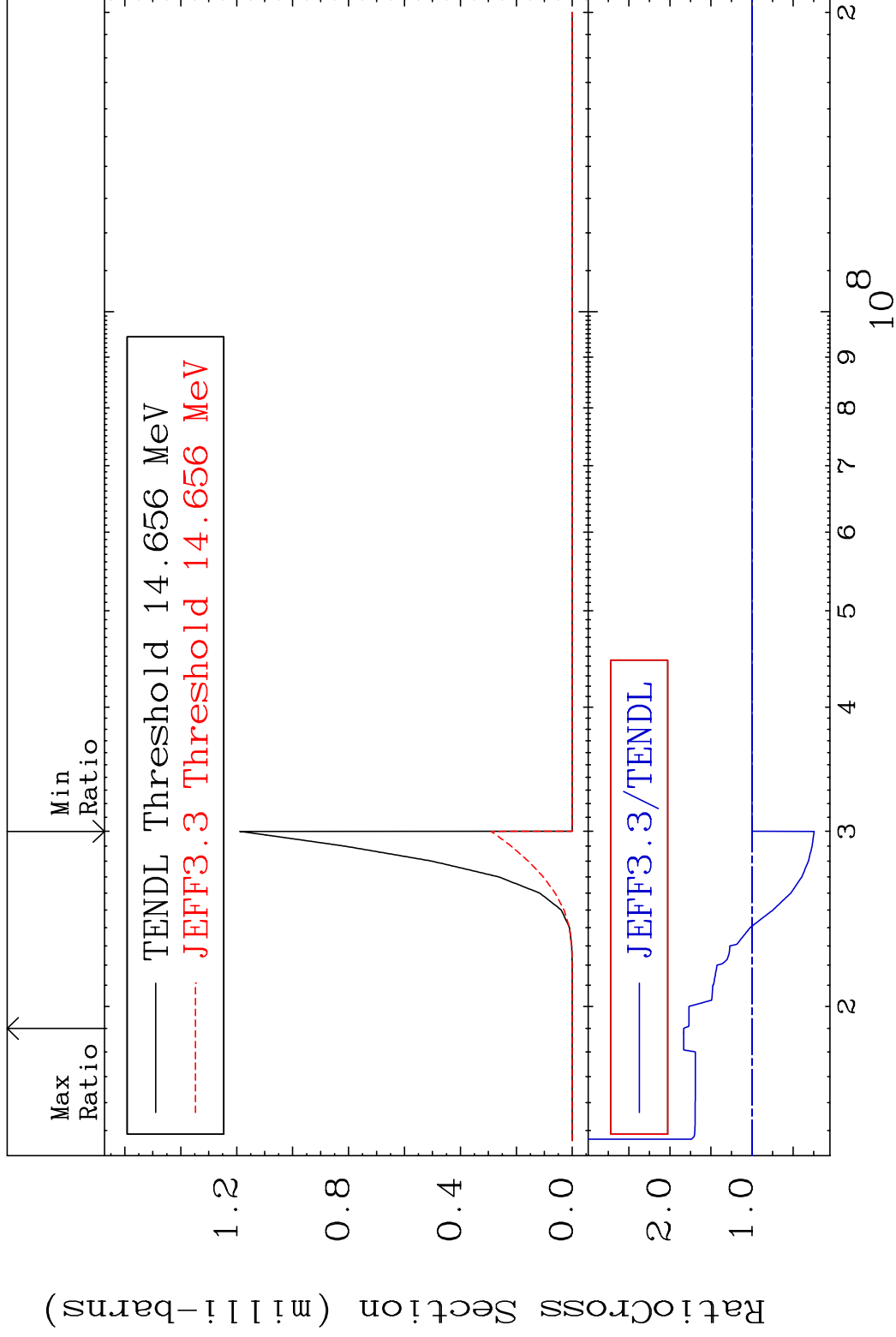
²²Ti-48

MAT 2231

(n,p) α

²²Ti-48

Cross Section -75.63 To 83.29 %



53

Incident Energy (eV)

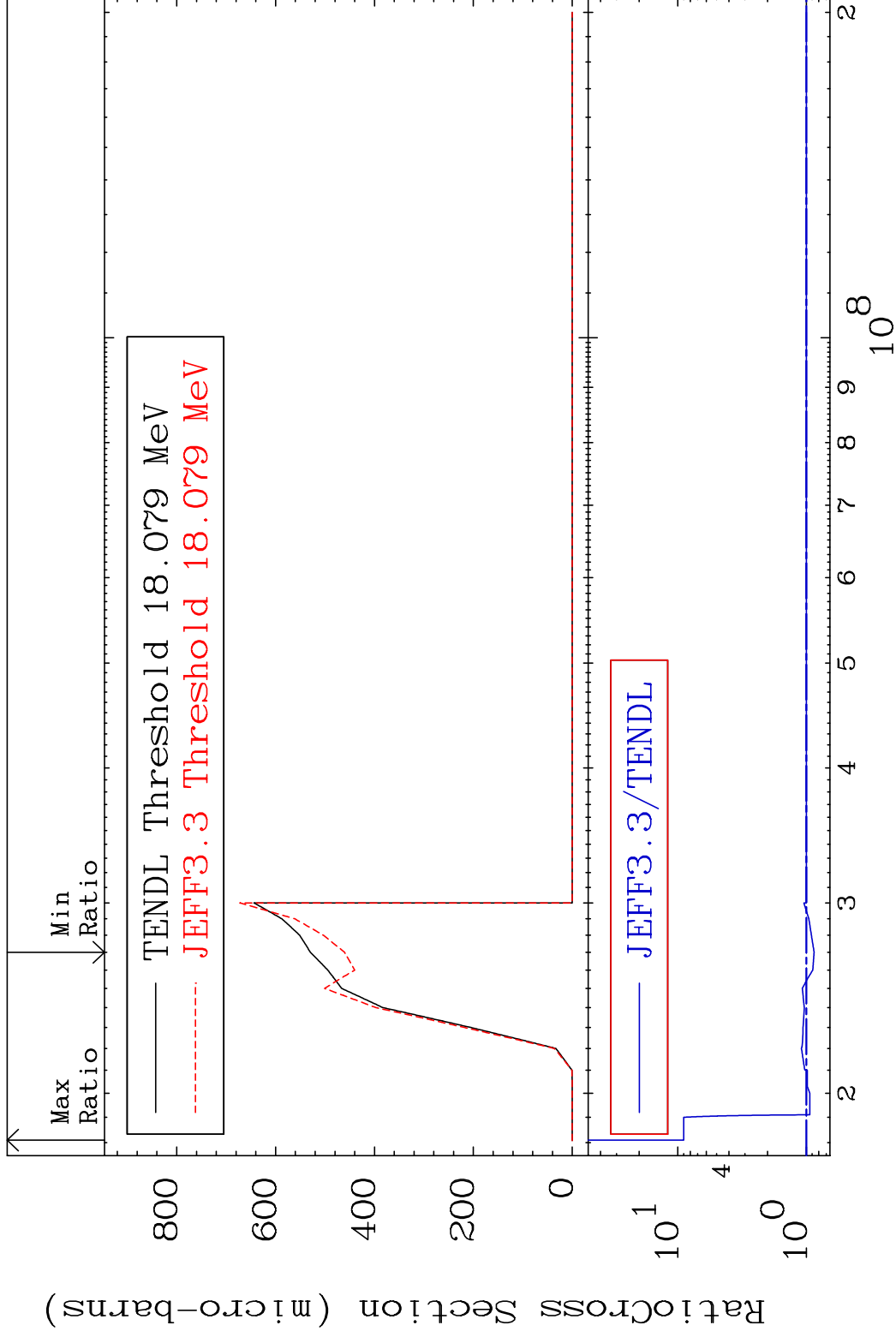
²²Ti-48

MAT 2231

(n,p) d

²²Ti-48

Cross Section -13.04 To 800.5 %



54

Incident Energy (eV)

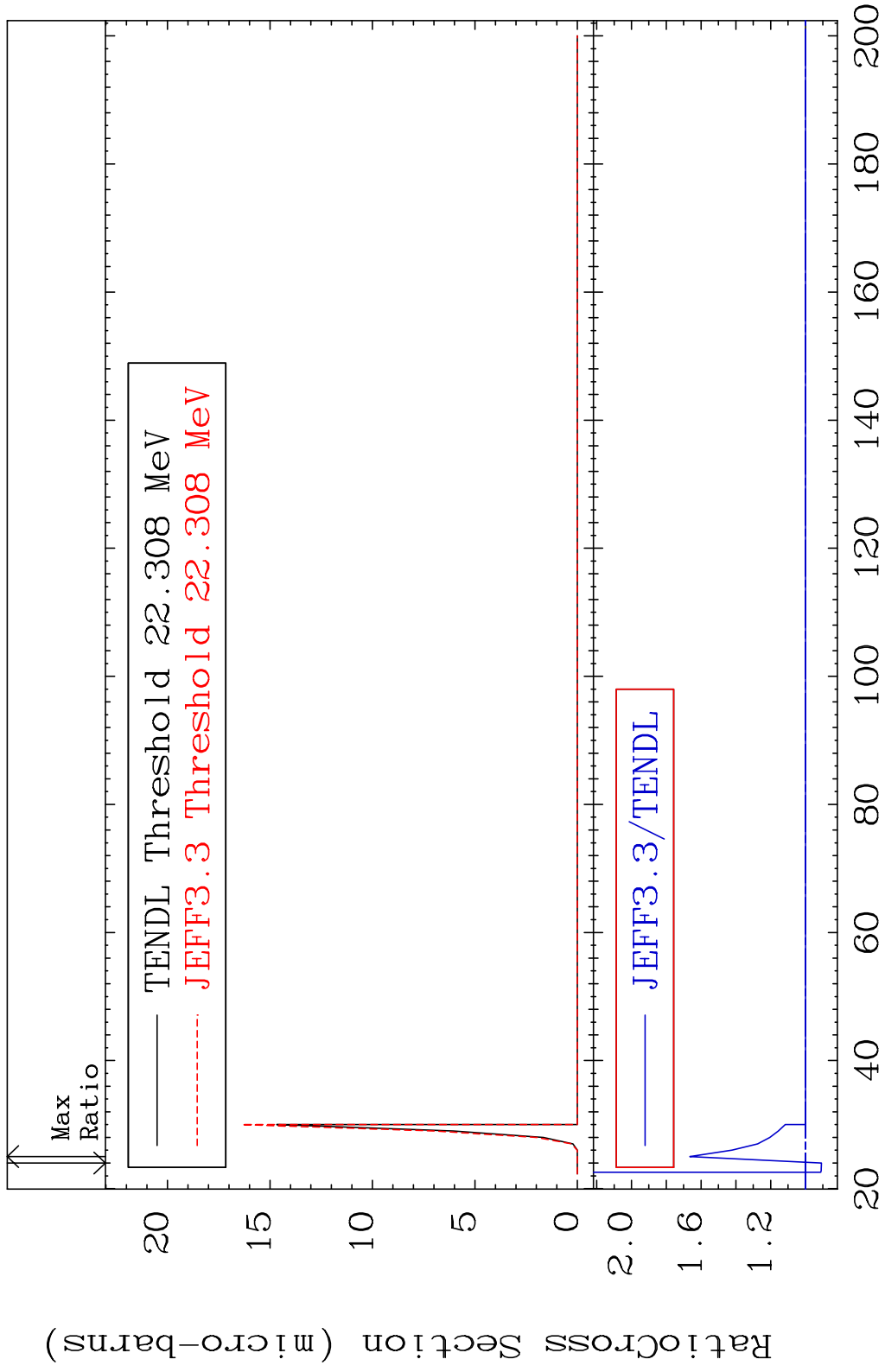
²²Ti-48

MAT 2231

(n,p) t

²²Ti-48

Cross Section -9.171 To 66.49 %

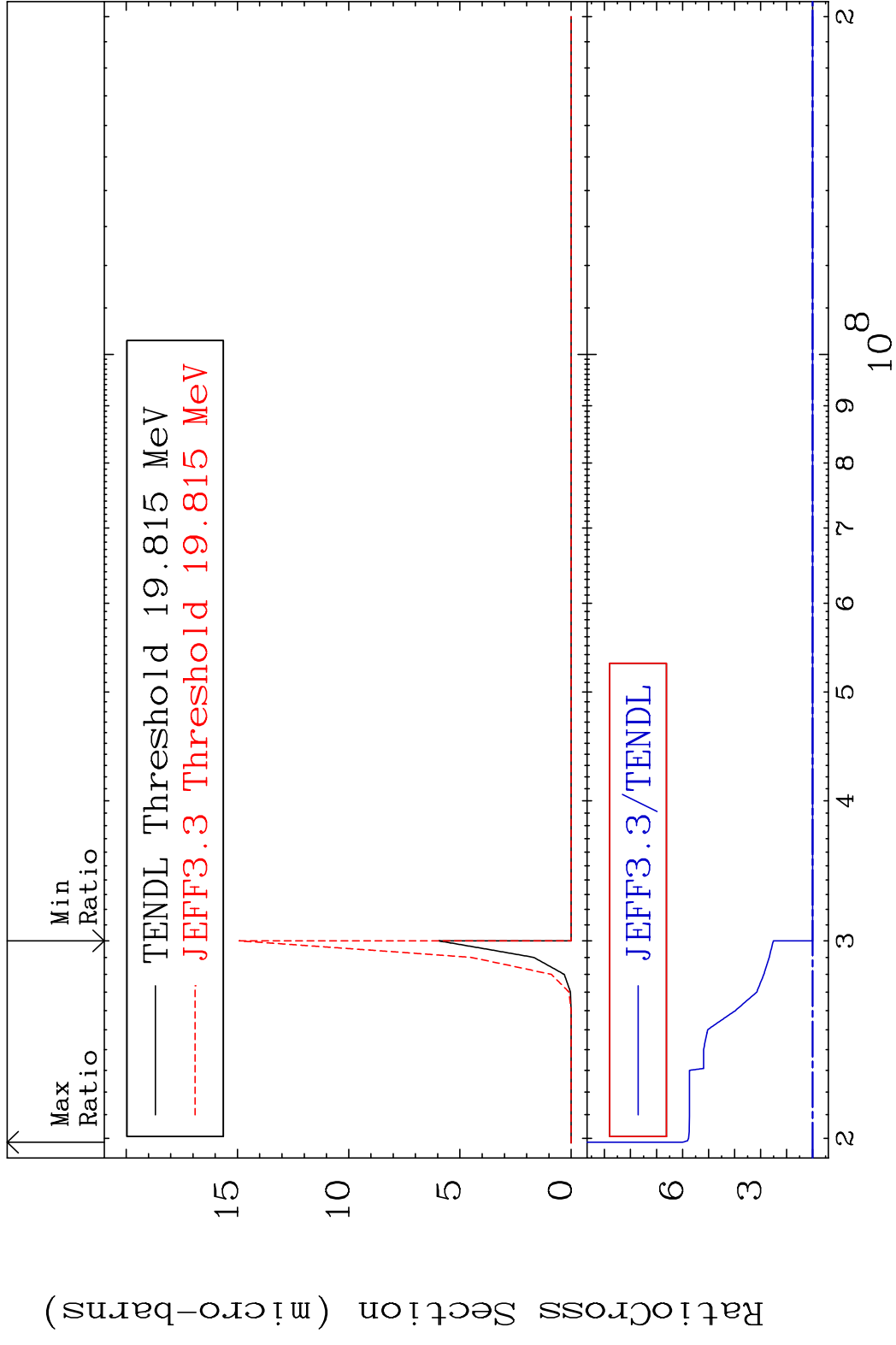


55

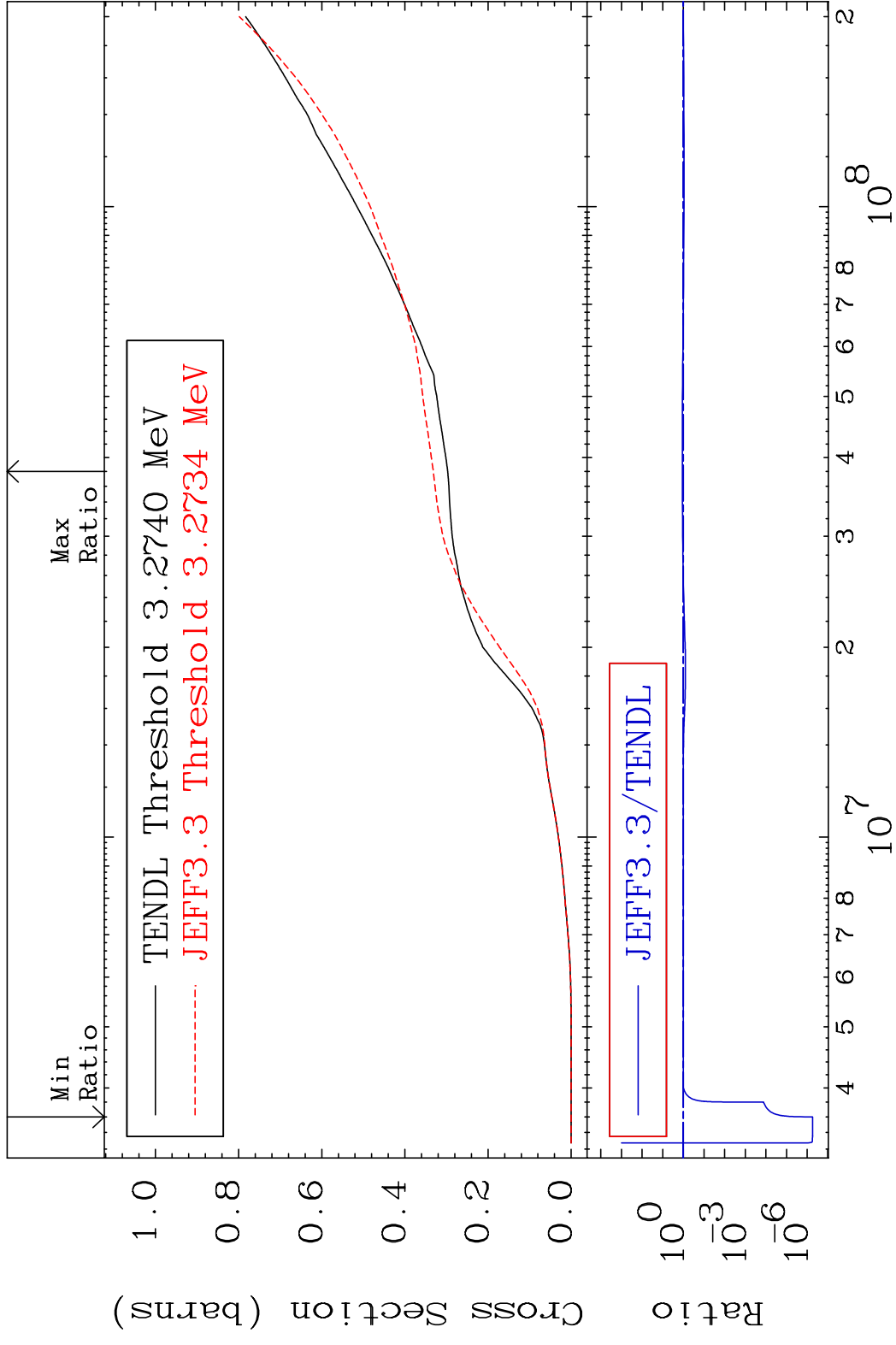
Incident Energy (MeV)

²²Ti-48

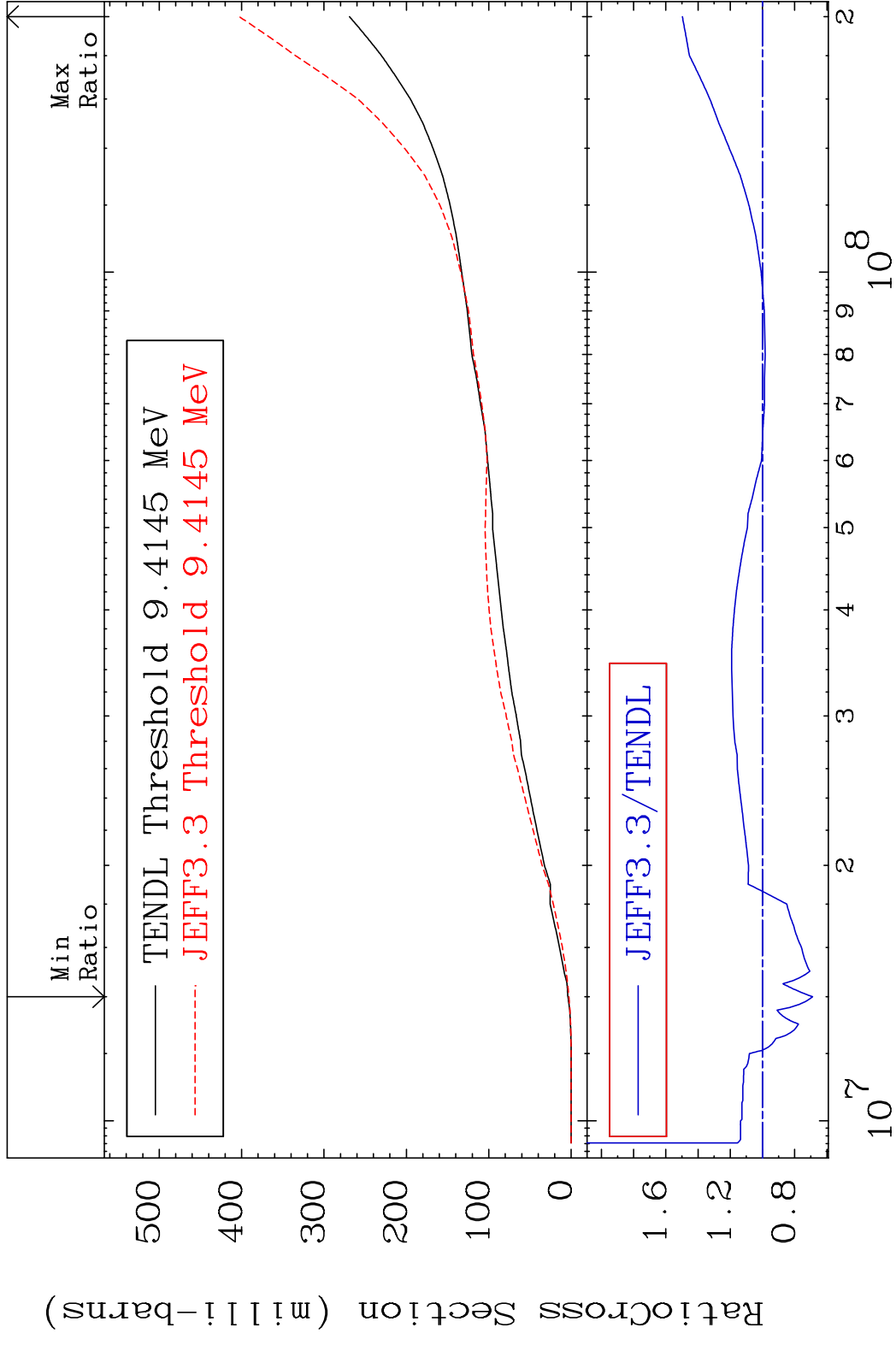
MAT 2231 (n,d) α $^{22}\text{Ti-48}$
 Cross Section 0.000 To 500.6 %



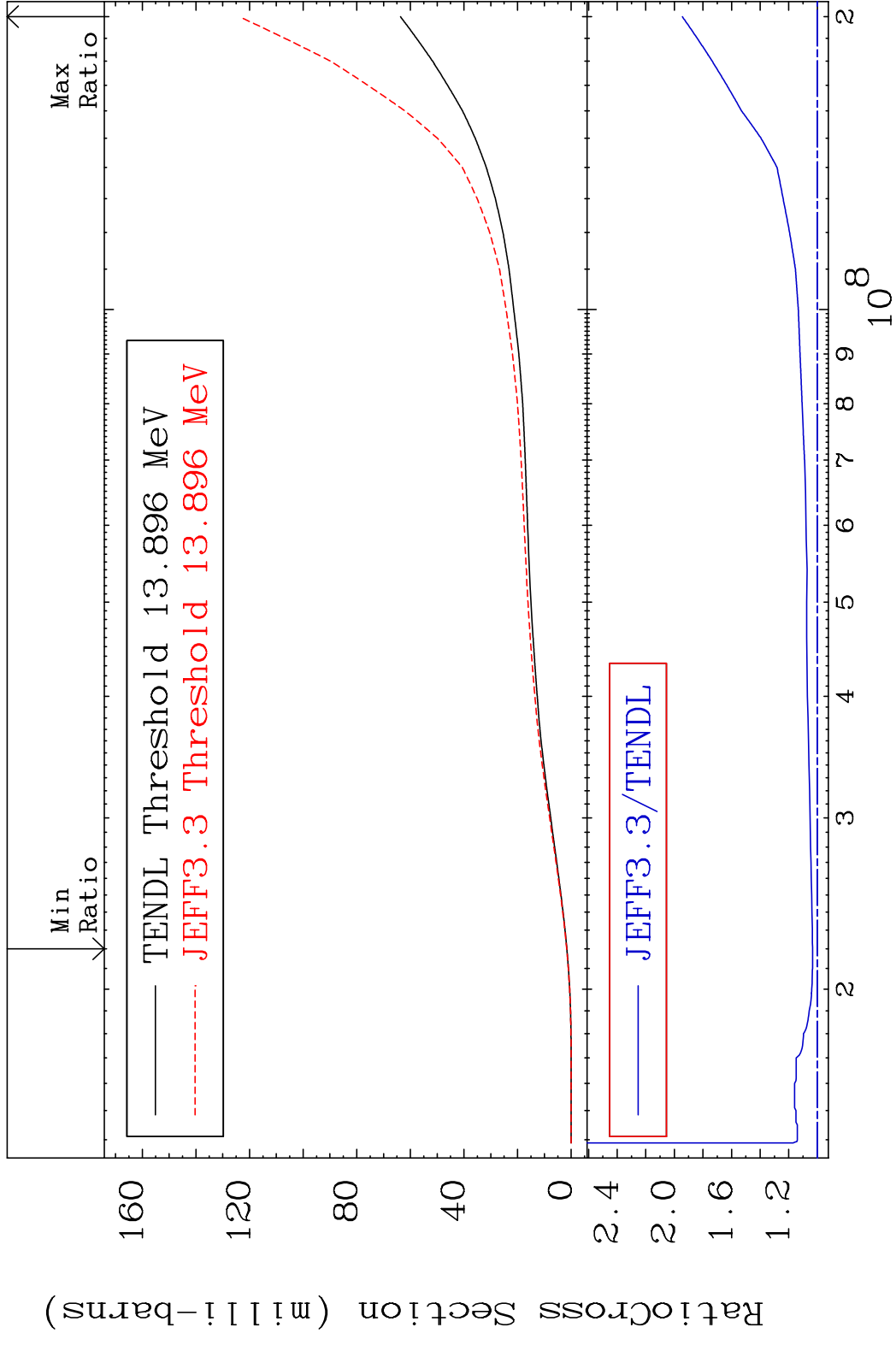
MAT 2231 Hydrogen Production $^{22}\text{Ti-48}$
 Cross Section -100.0 To 11.68 %



MAT 2231 Deuterium Production $^{22}\text{Ti-48}$
 Cross Section -31.12 To 49.74 %



MAT 2231 Tritium Production 22-Ti-48
 Cross Section 3.361 To 94.41 %

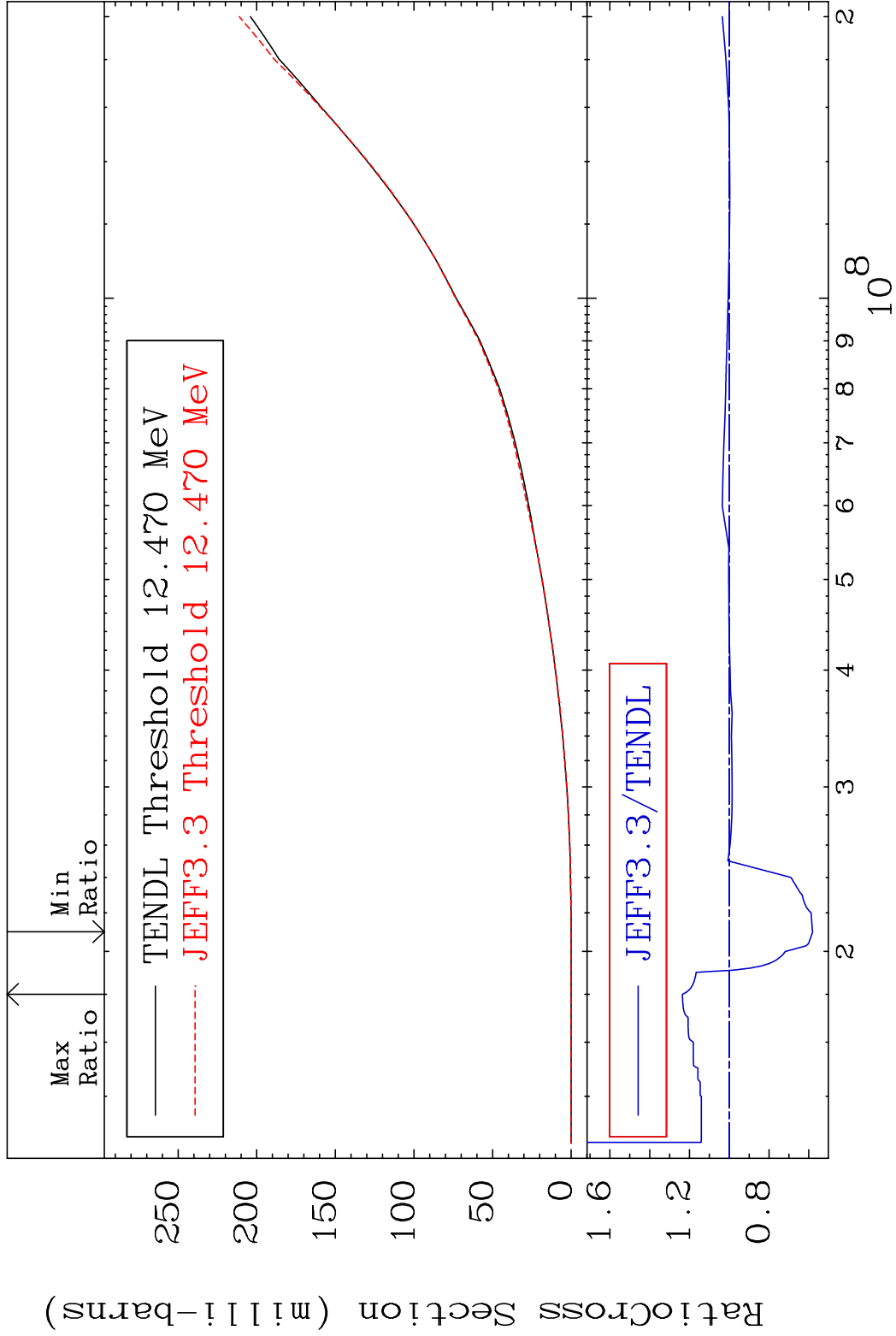


MAT 2231

He-3 Production

²²Ti-48

Cross Section -41.90 To 23.57 %

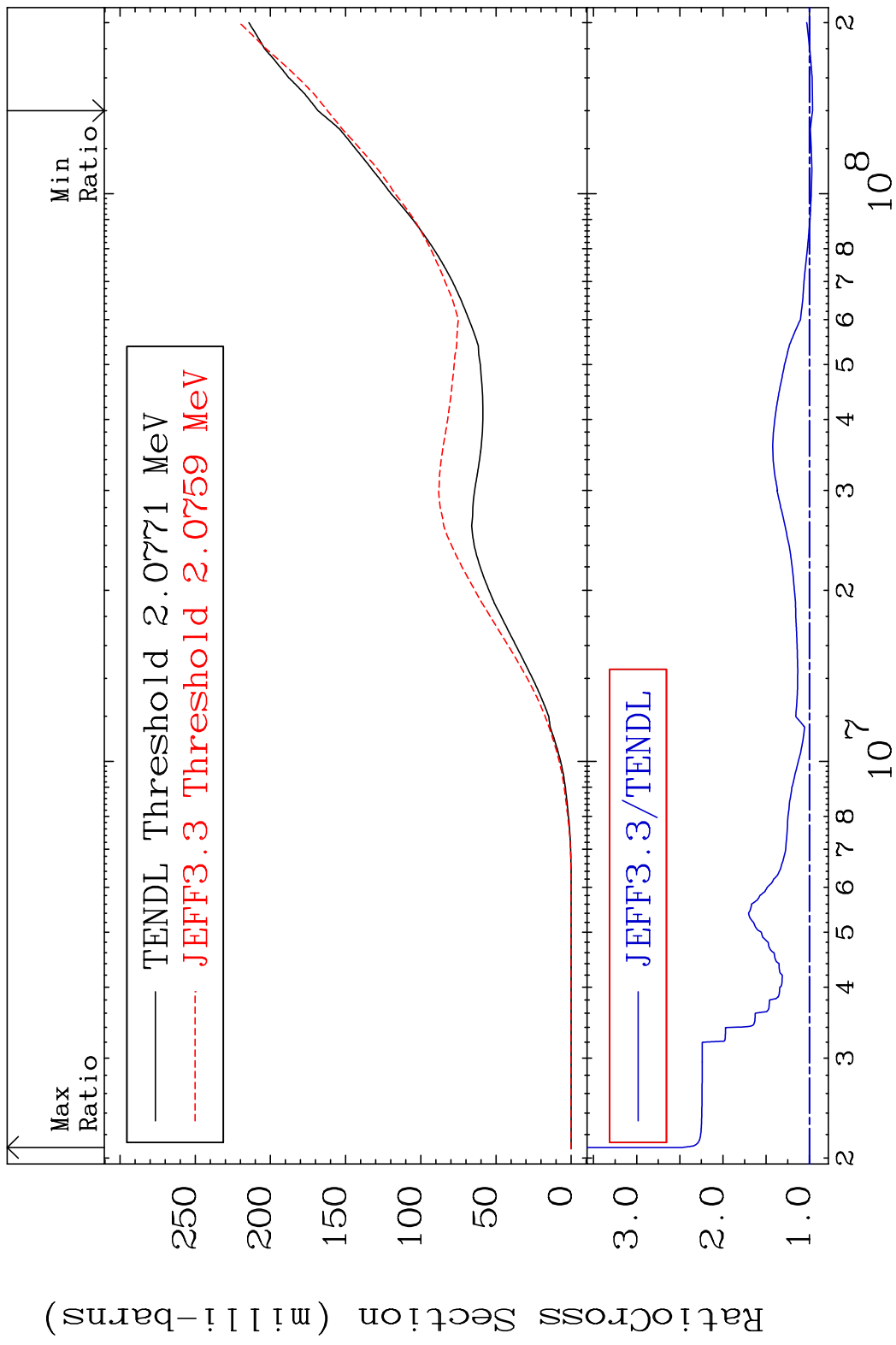


60

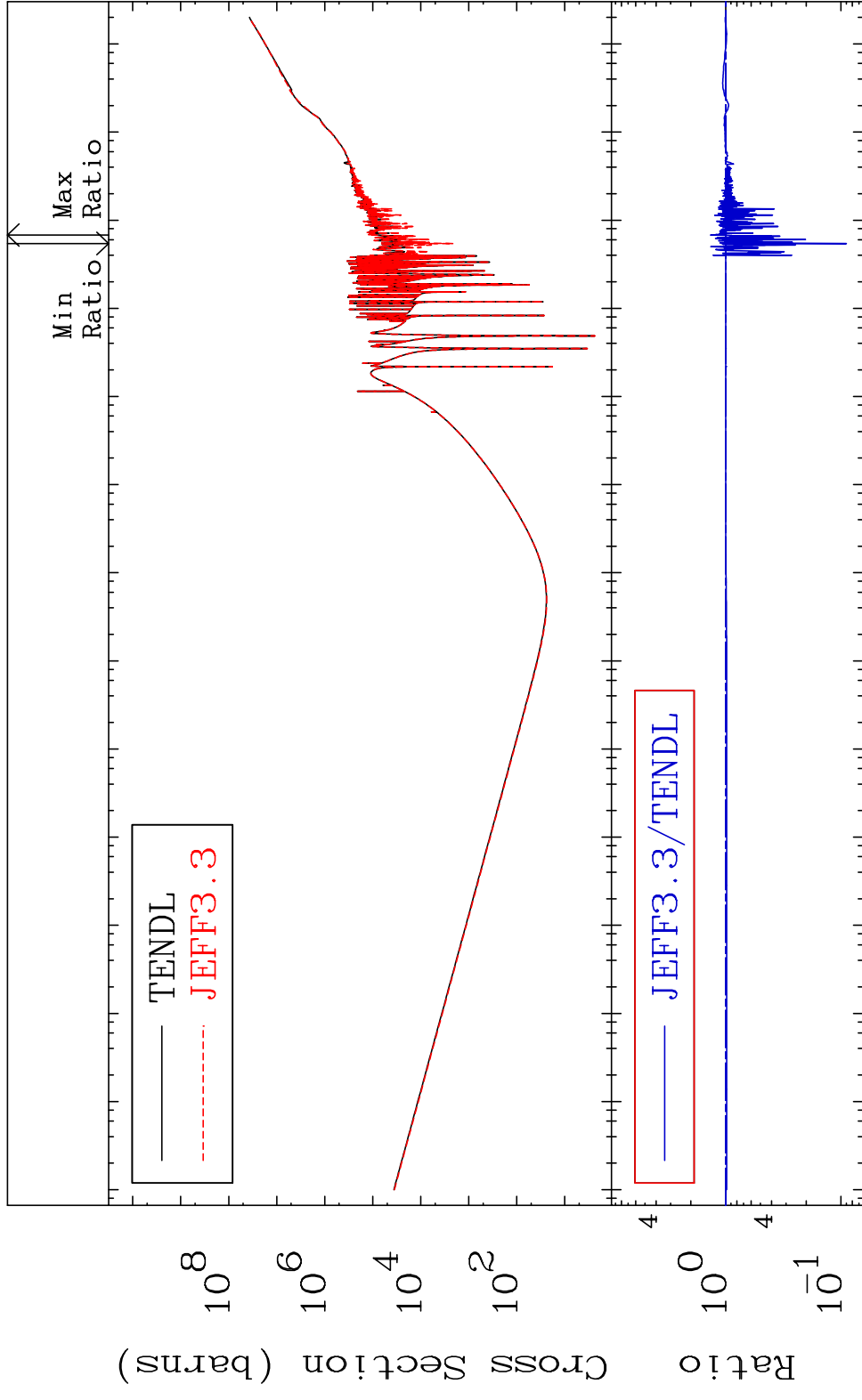
Incident Energy (eV)

²²Ti-48

MAT 2231 He-4 Production $^{22}\text{Ti-48}$
 Cross Section -3.728 To 147.1 %



MAT 2231 Kerma total (eV-barns) 22-Ti-48
 Cross Section -91.00 To 34.59 %

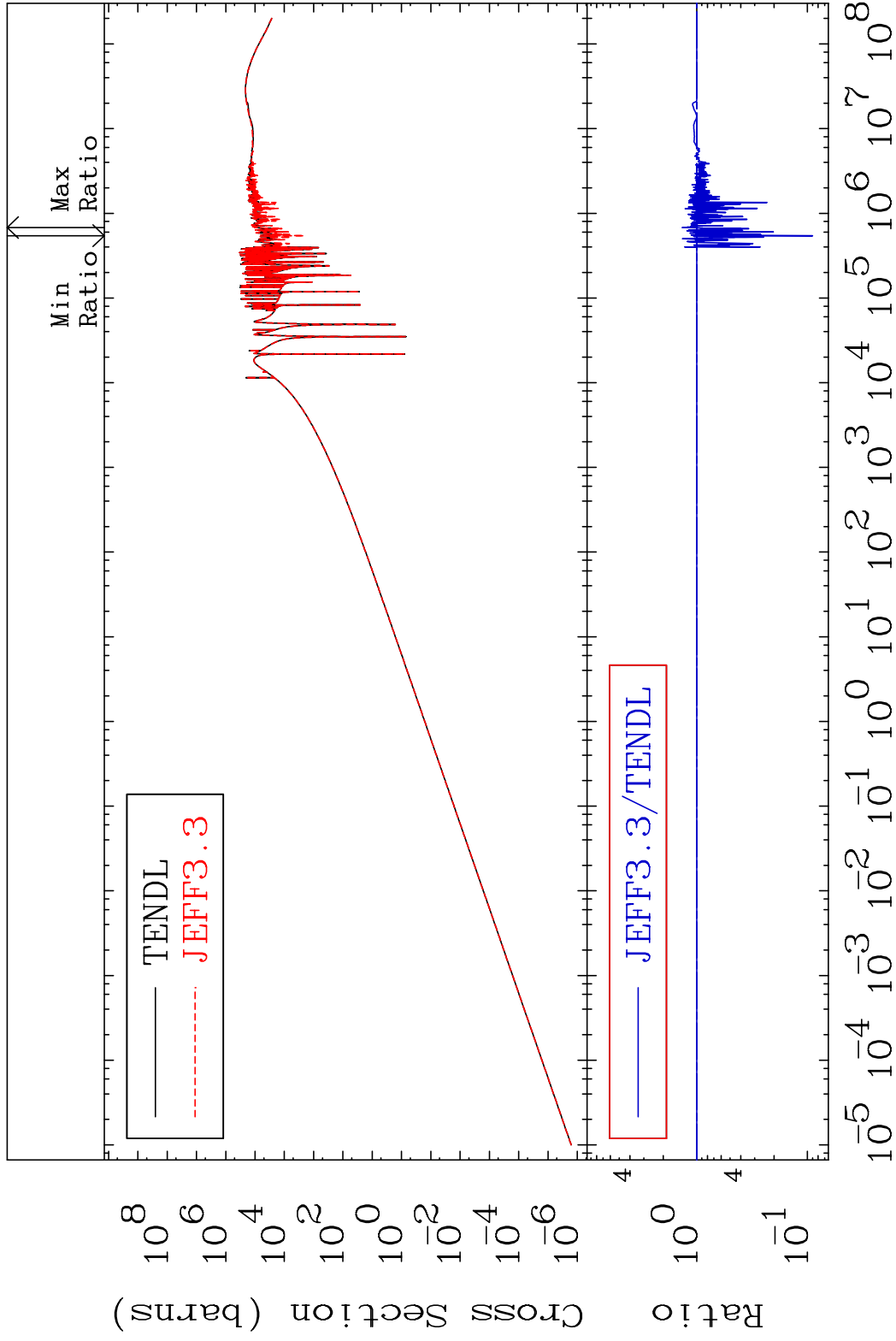


62 Incident Energy (eV) 22-Ti-48

MAT 2231

Kerma elastic
Cross Section

22-Ti-48
-91.01 To 34.59 %

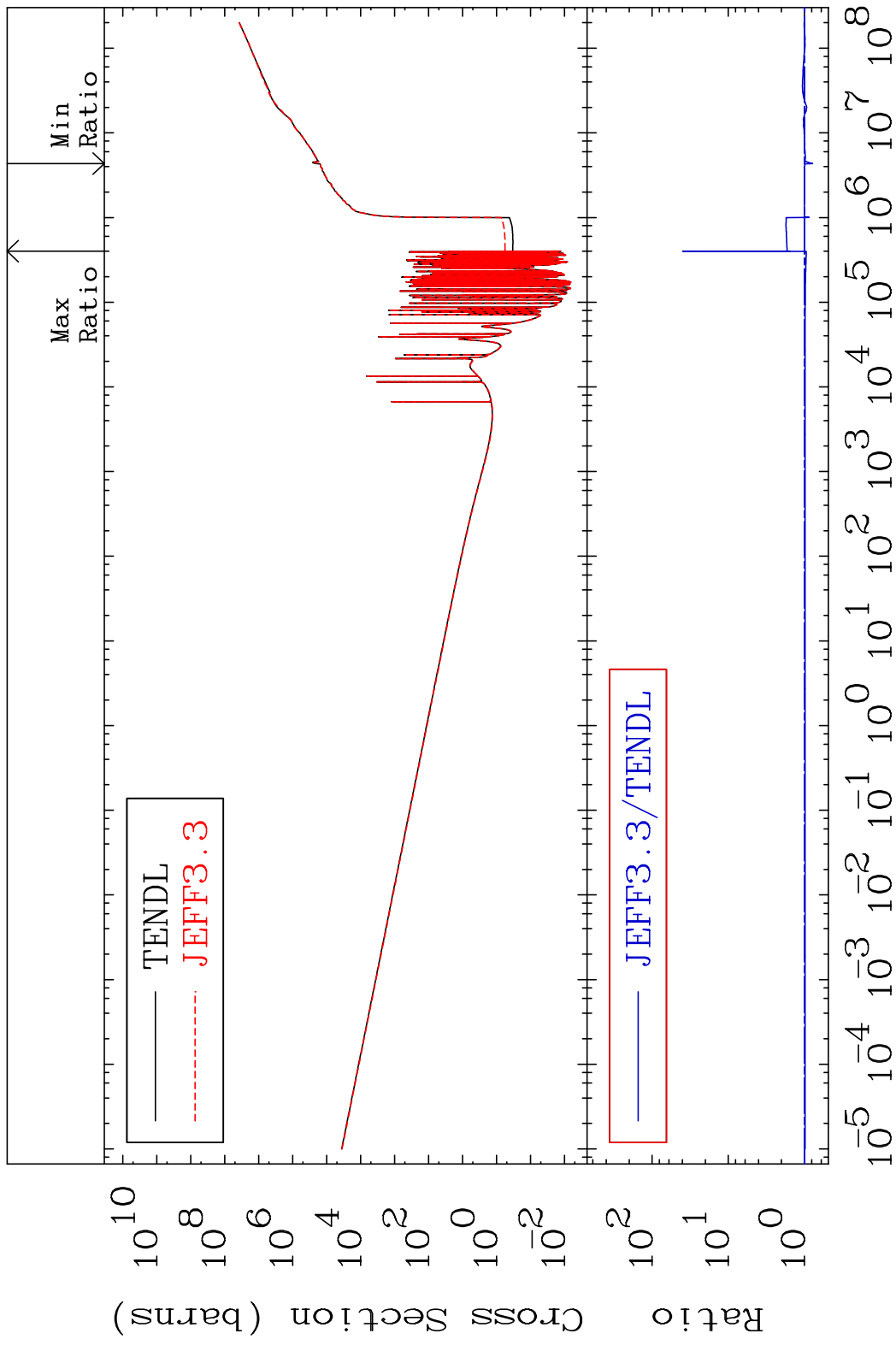


63

Incident Energy (eV)

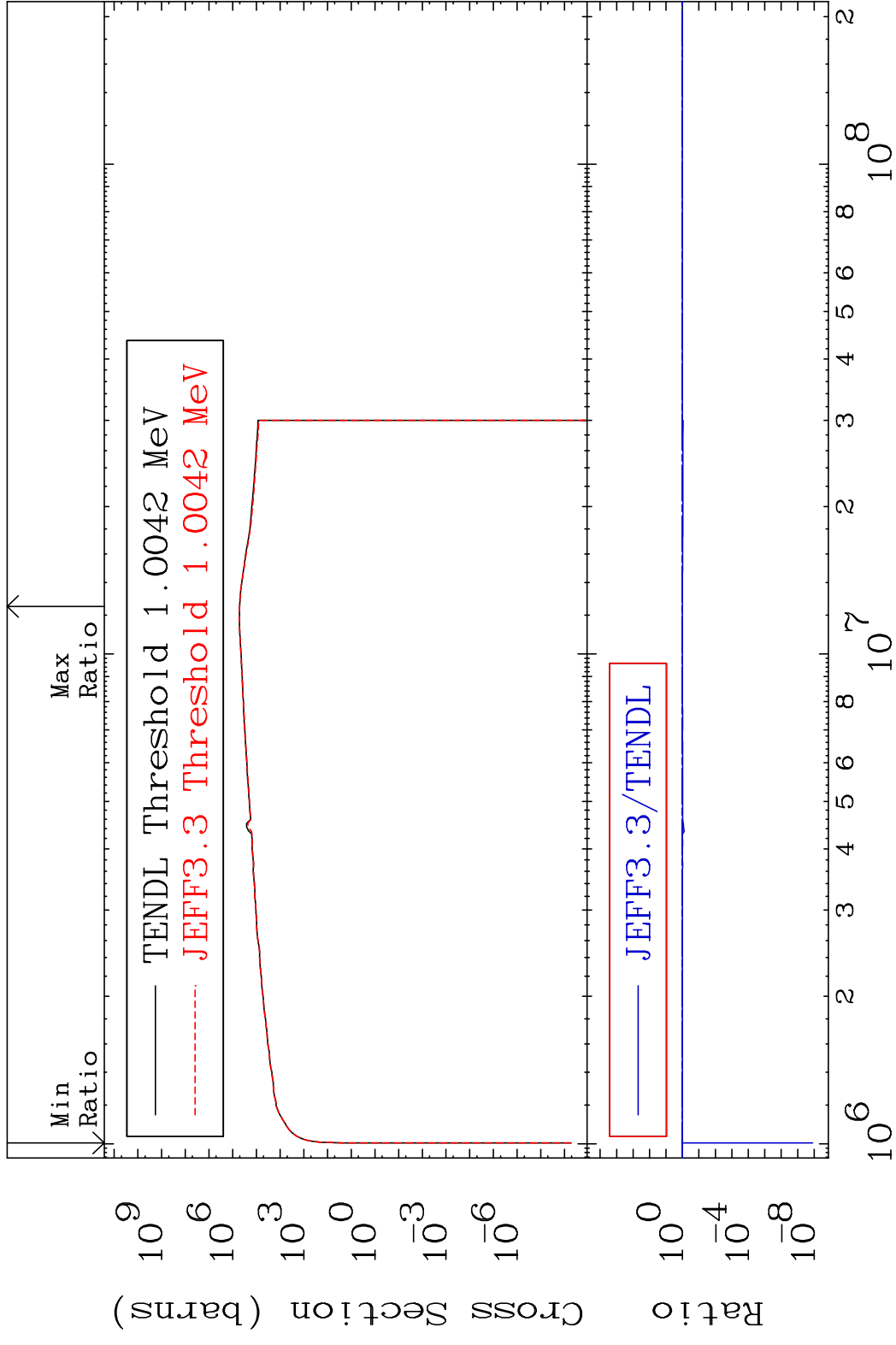
22-Ti-48

MAT 2231 Kerma non-elastic (all but mt2) 22-Ti-48
 Cross Section -21.92 To 3904. %



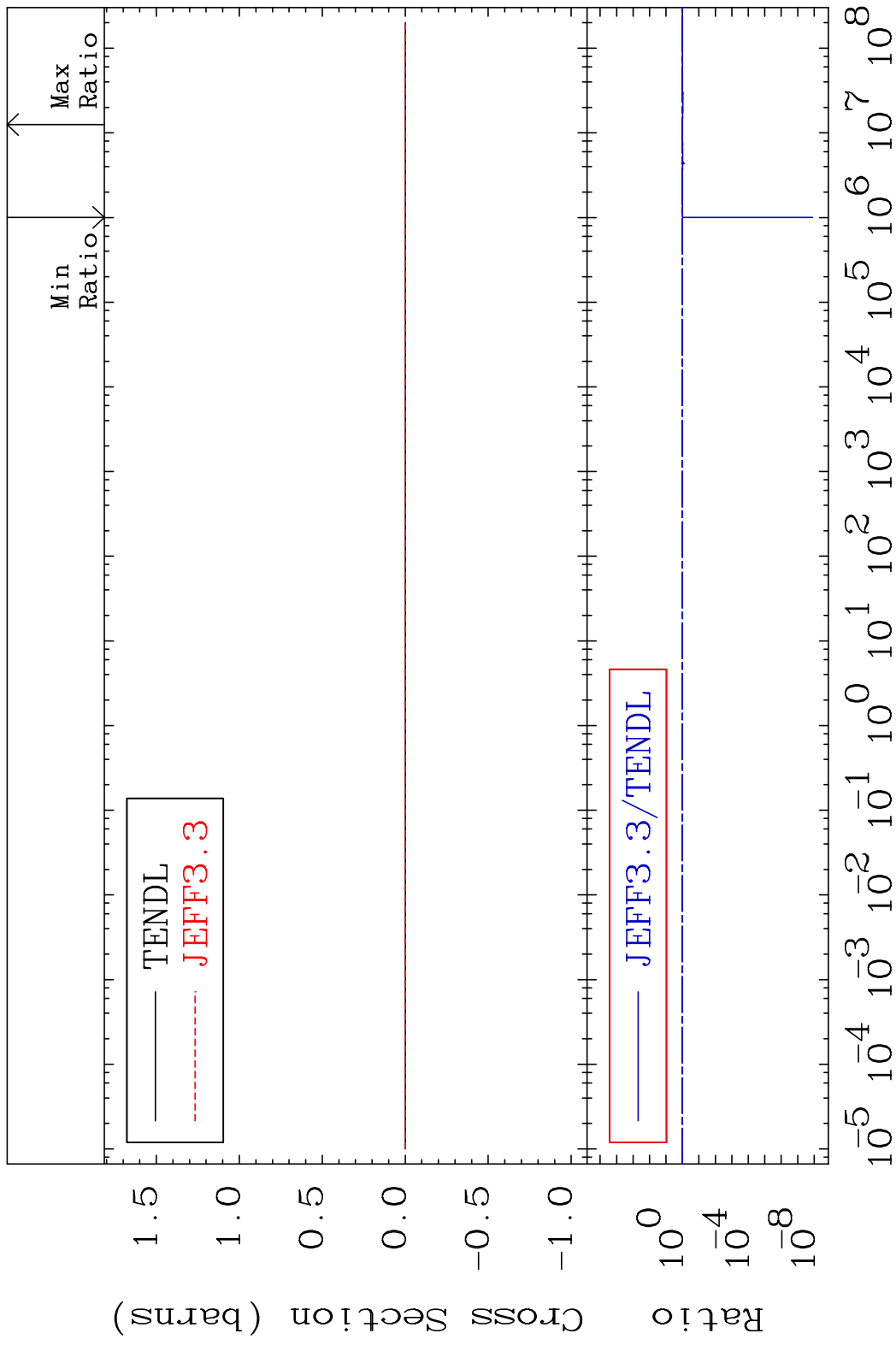
64 Incident Energy (eV) 22-Ti-48

MAT 2231 Kerma inelastic (mt51-91) 22-Ti-48
 Cross Section -100.0 To 1.432 %



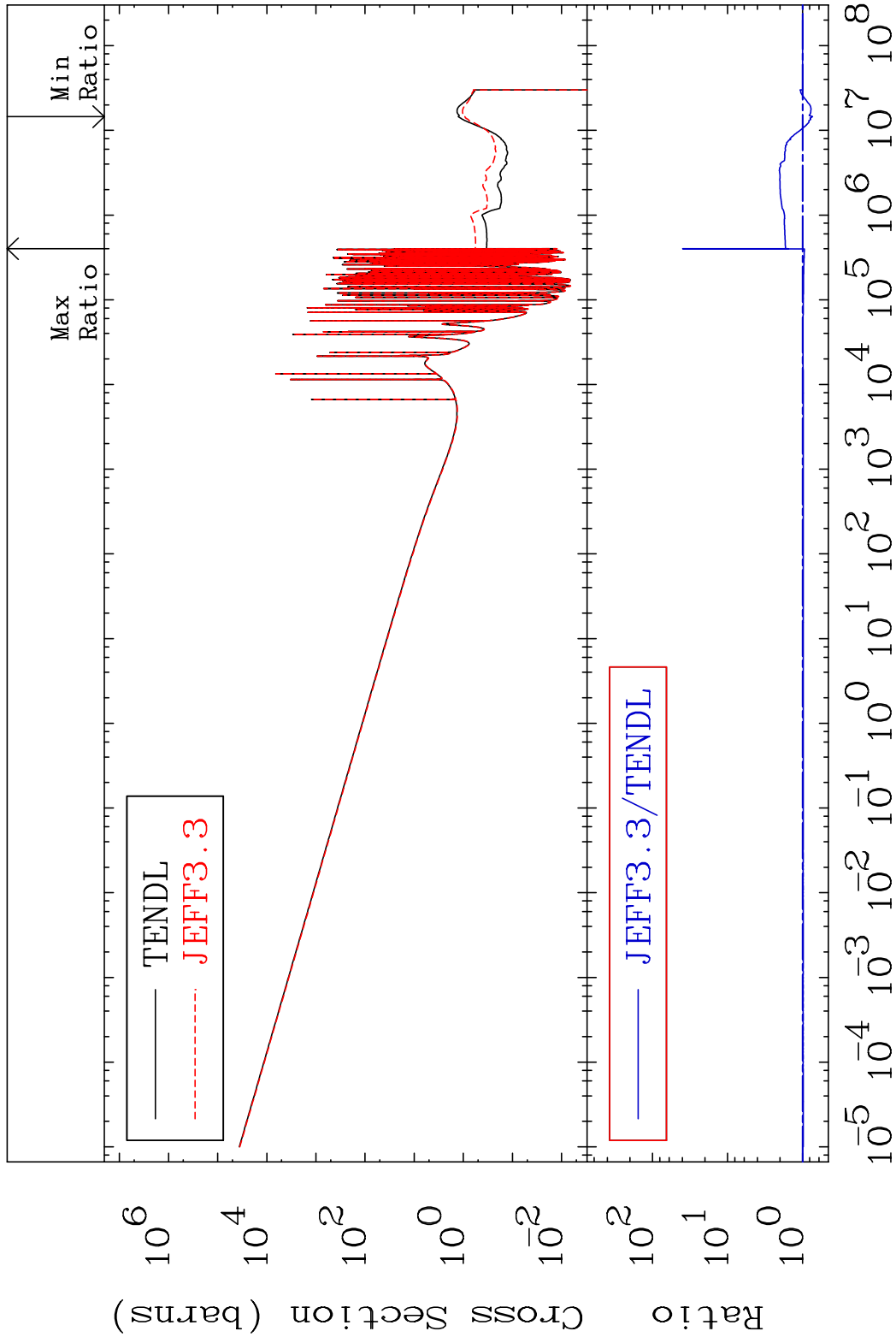
65 22-Ti-48

MAT 2231 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-48
 Cross Section -100.0 To 1.432 %



MAT 2231

Kerma capture (mt102) 22-Ti-48
Cross Section -26.63 To 3904. %



67

Incident Energy (eV)

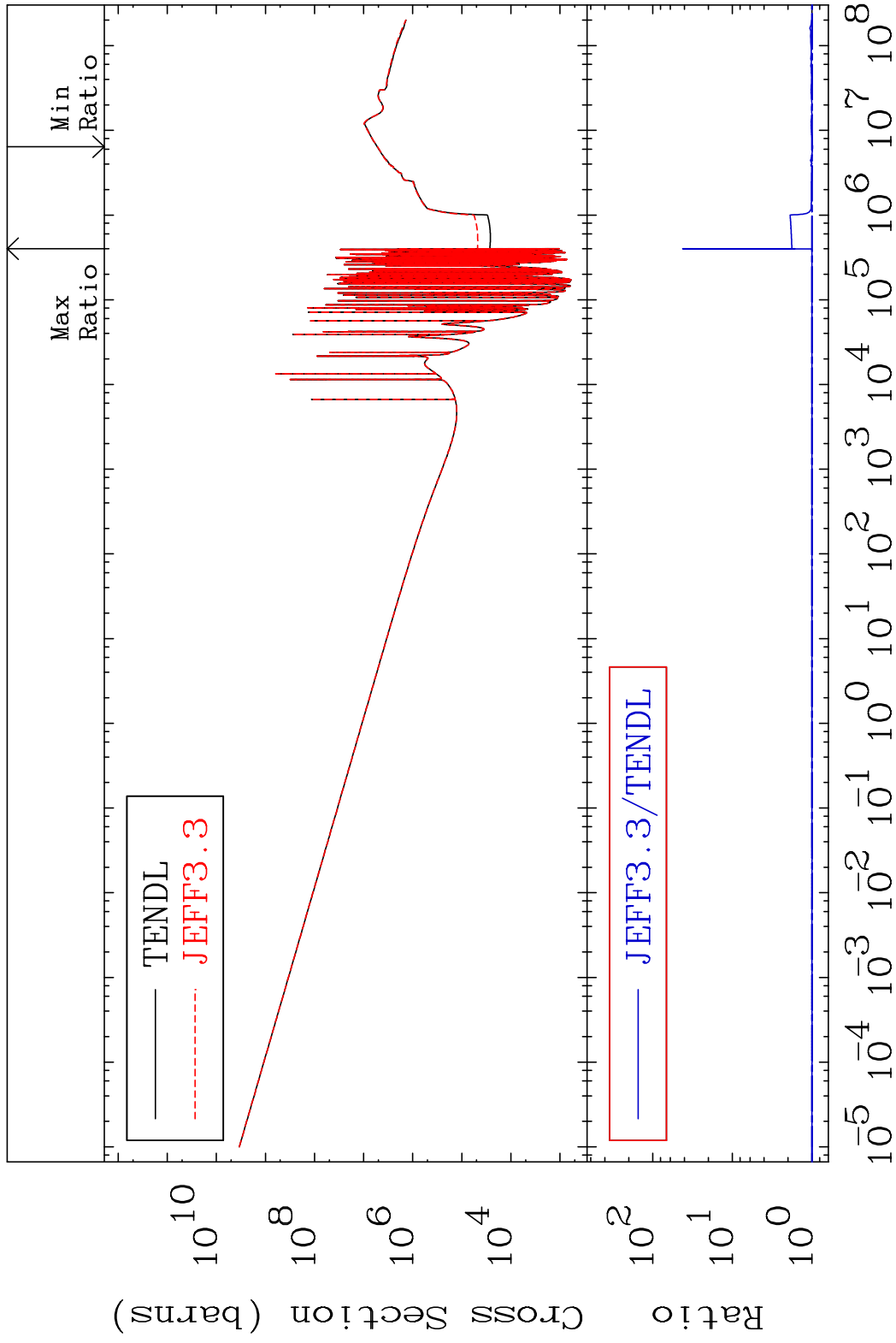
22-Ti-48

MAT 2231

Total photon (eV-barns)

²²Ti-48

Cross Section -1.528 To 4147. %

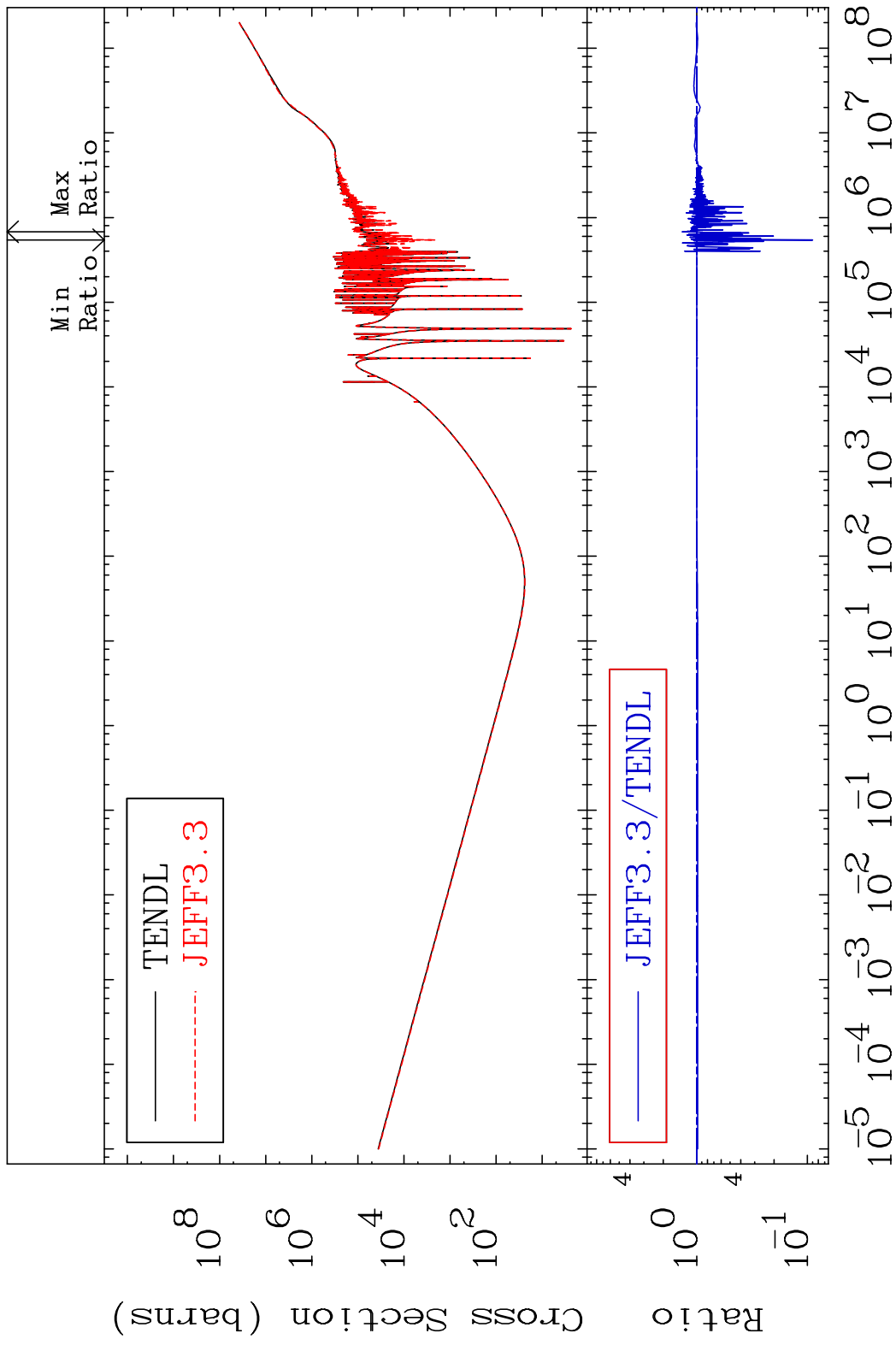


68

Incident Energy (eV)

²²Ti-48

MAT 2231 Total kinematic kerma (high limit) 22-Ti-48
Cross Section -91.00 To 34.59 %

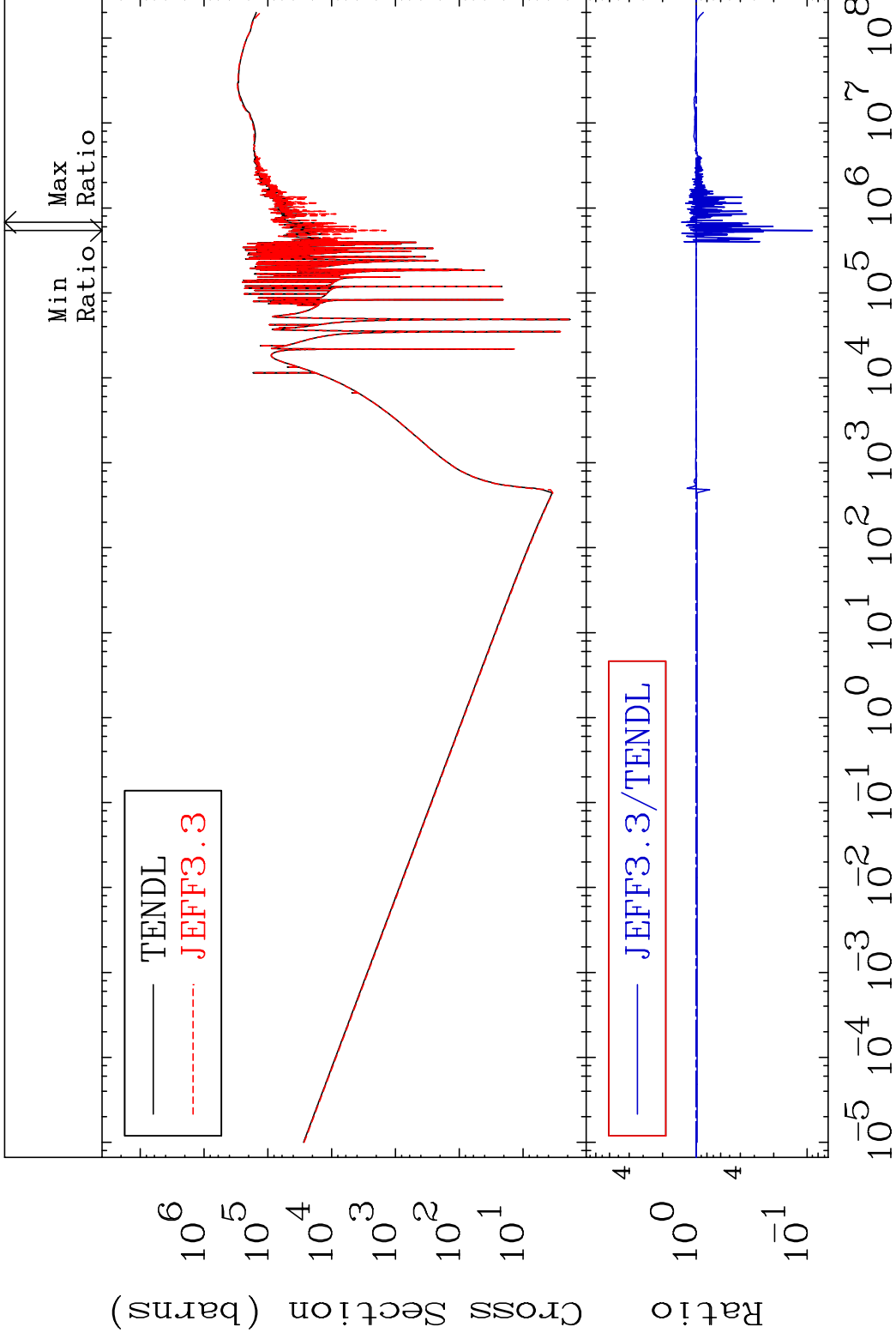


MAT 2231

Dpa total (eV-barns)

22-Ti-48

Cross Section -91.00 To 34.59 %



70

Incident Energy (eV)

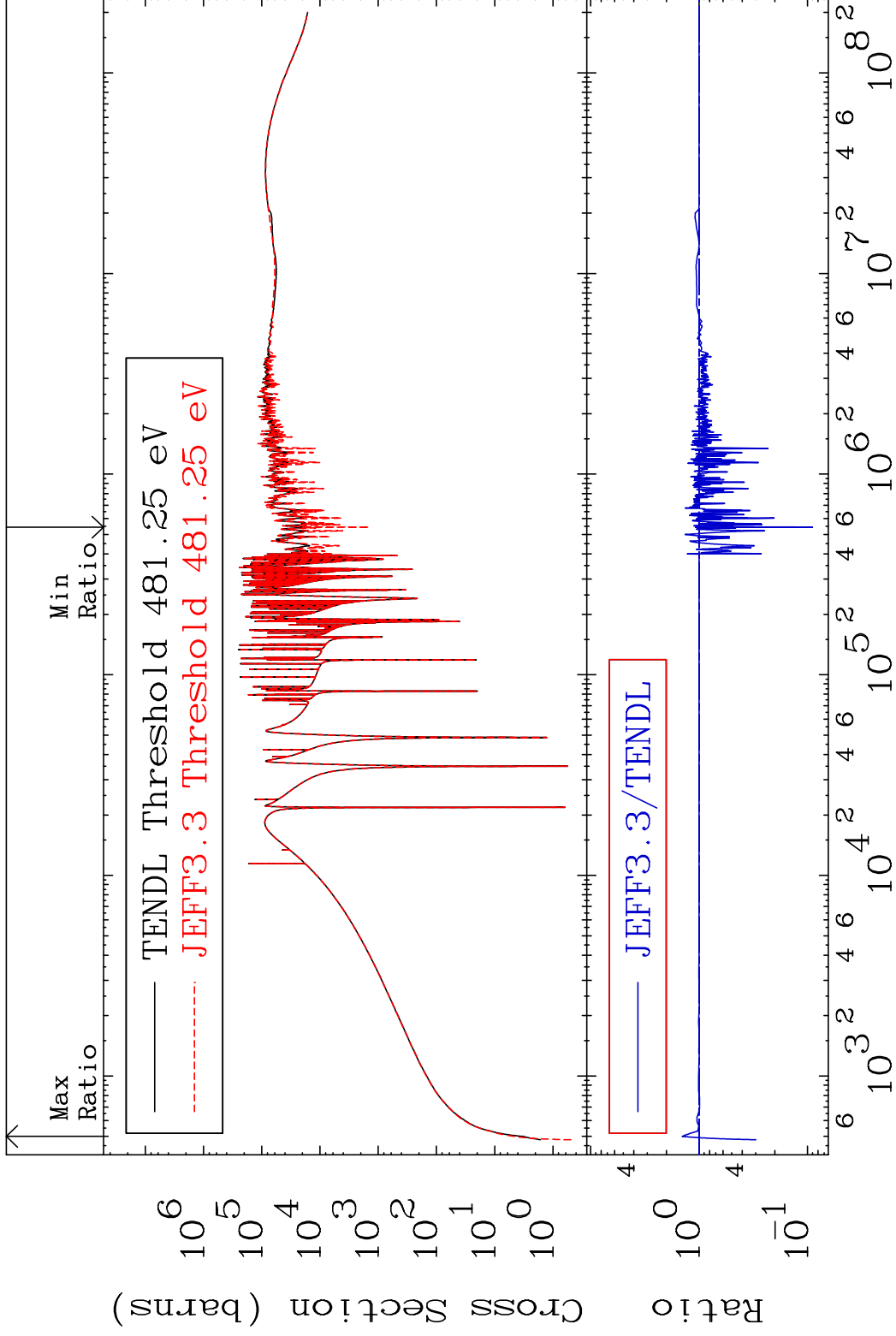
22-Ti-48

MAT 2231

Dpa elastic (mt2)

22-Ti-48

Cross Section -91.01 To 43.19 %

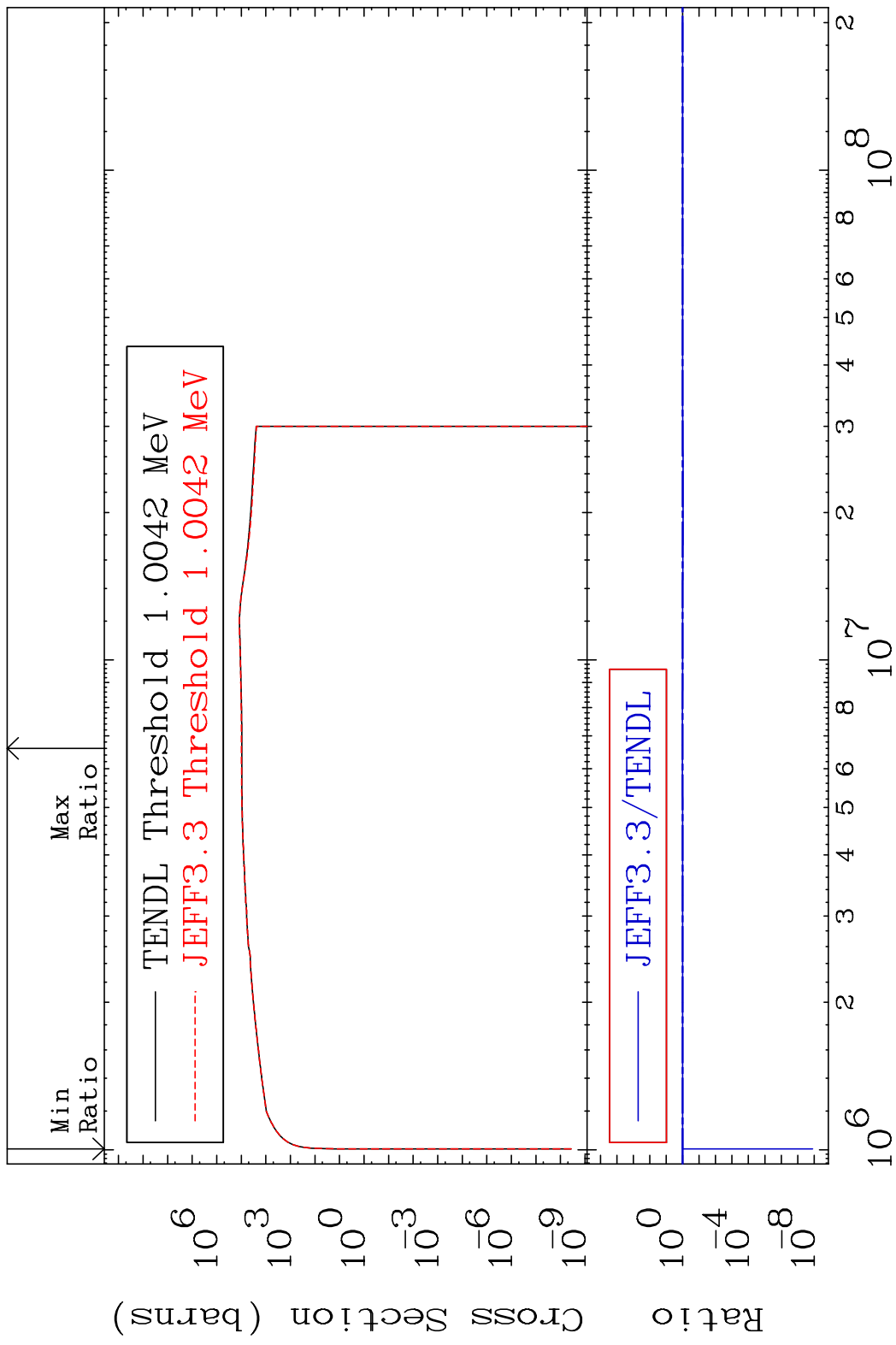


71

Incident Energy (eV)

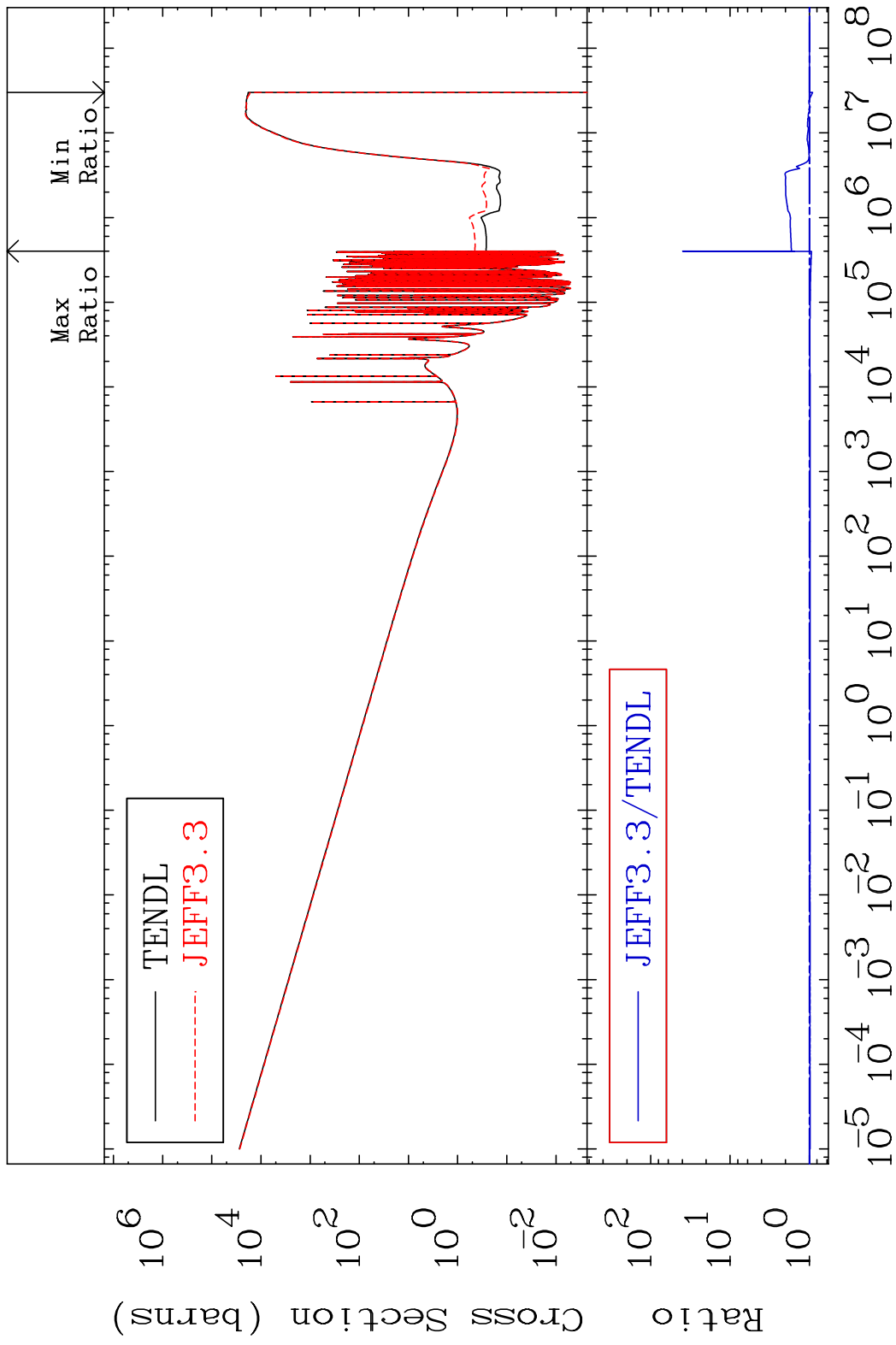
22-Ti-48

MAT 2231 Dpa inelastic (mt51-91) 22-Ti-48
 Cross Section -100.0 To 3.998 %



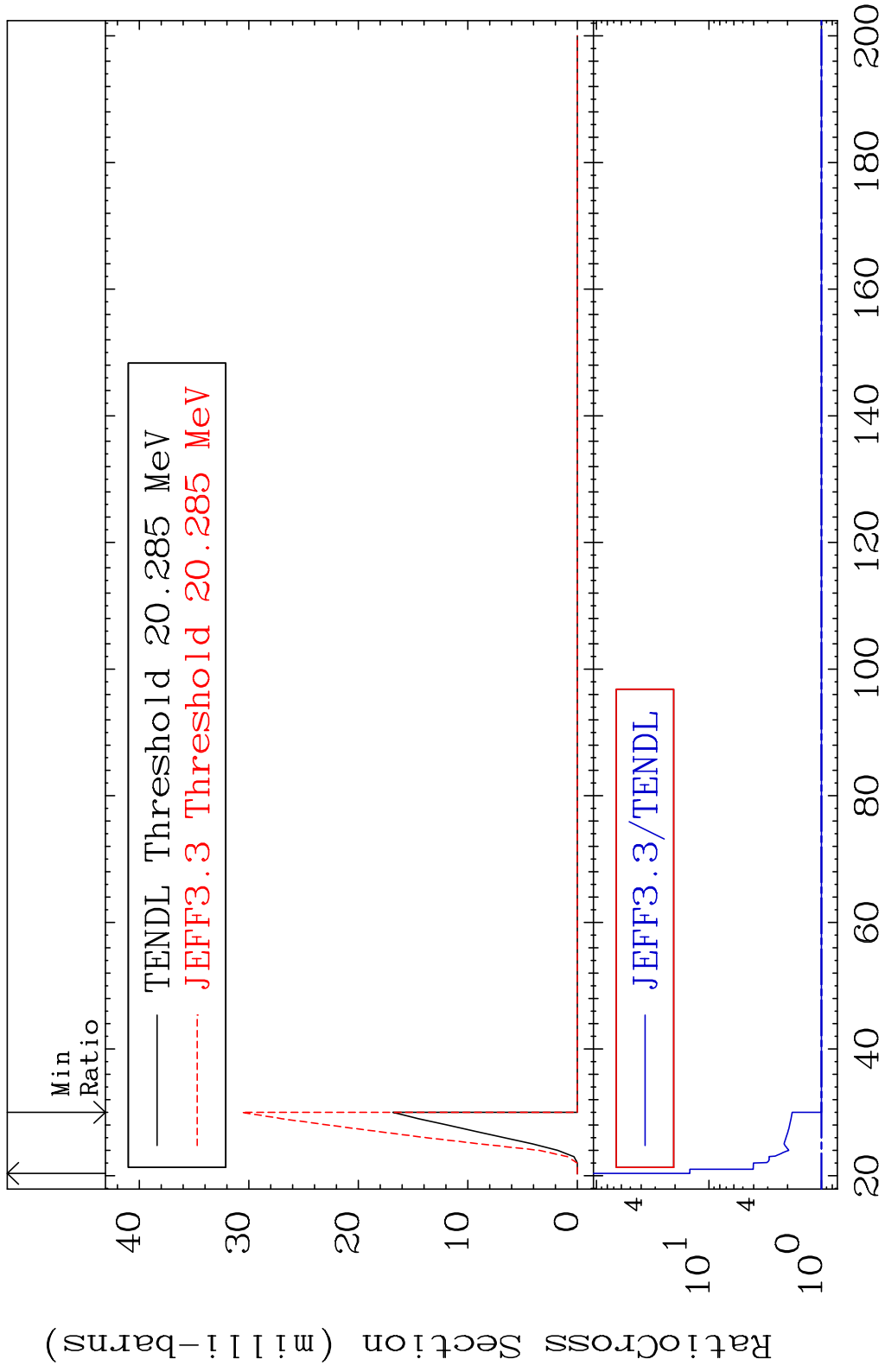
72 Incident Energy (eV) 22-Ti-48

MAT 2231 Dpa disappearance (mt102 -120) 22-Ti-48
 Cross Section -8.982 To 3892. %



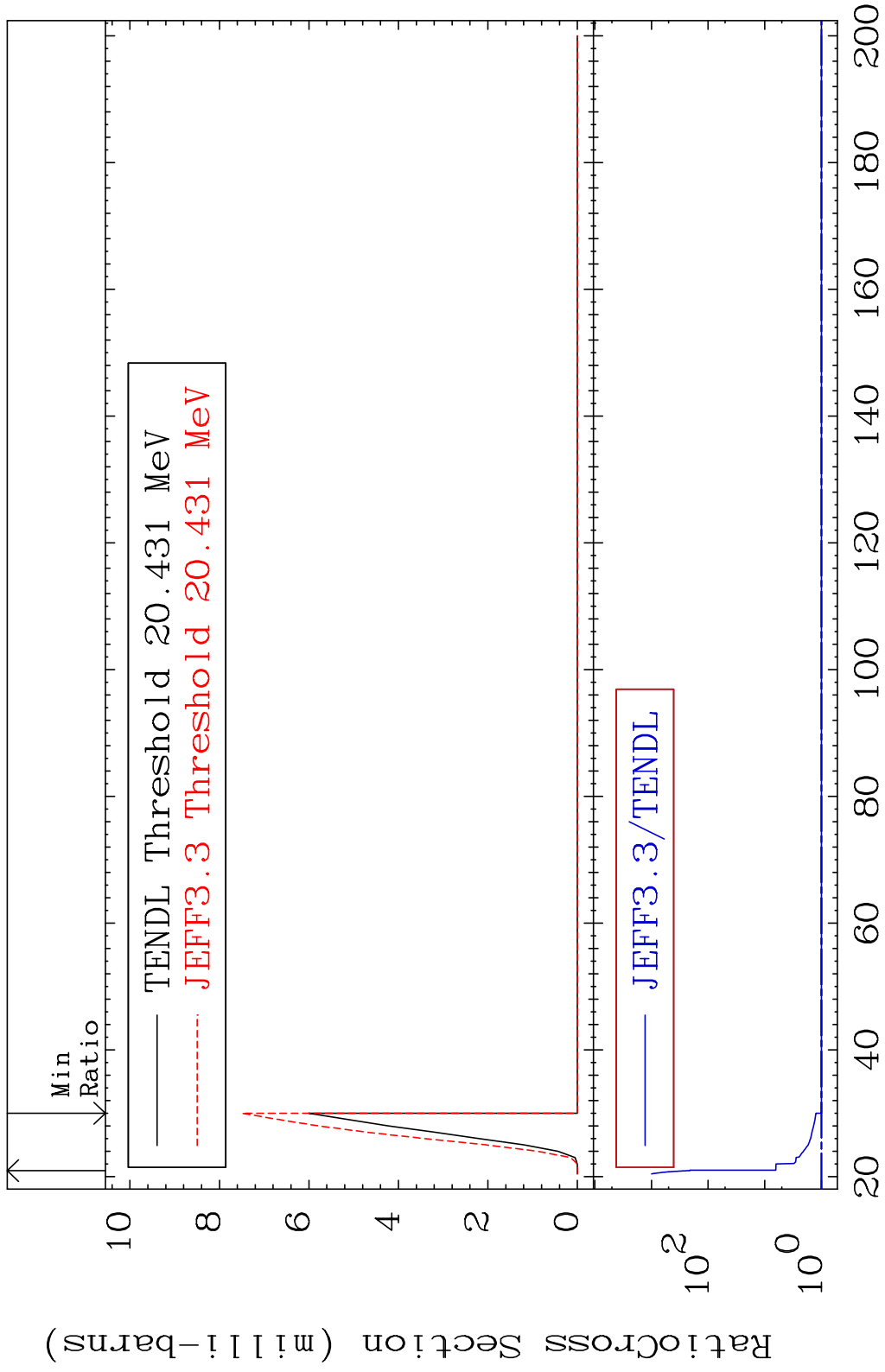
73 Incident Energy (eV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46g 22-Ti-48
 Radionuclide Production Cross Section 1379. %



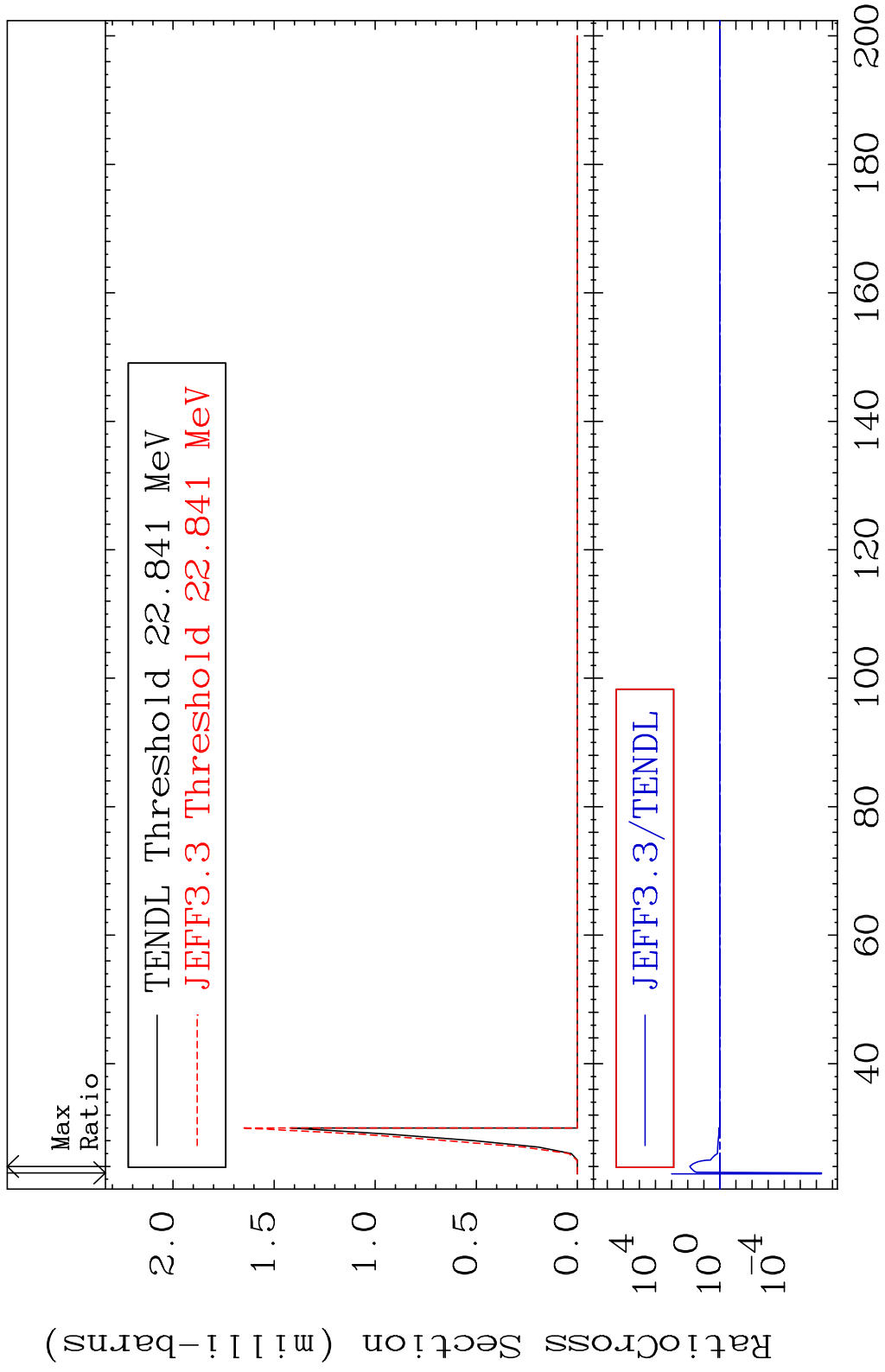
74 Incident Energy (MeV) 22-Ti-48

MAT 2231 (n, n') d:21-Sc-46m2 22-Ti-48
 Radionuclide Production Cross Section 9999. %

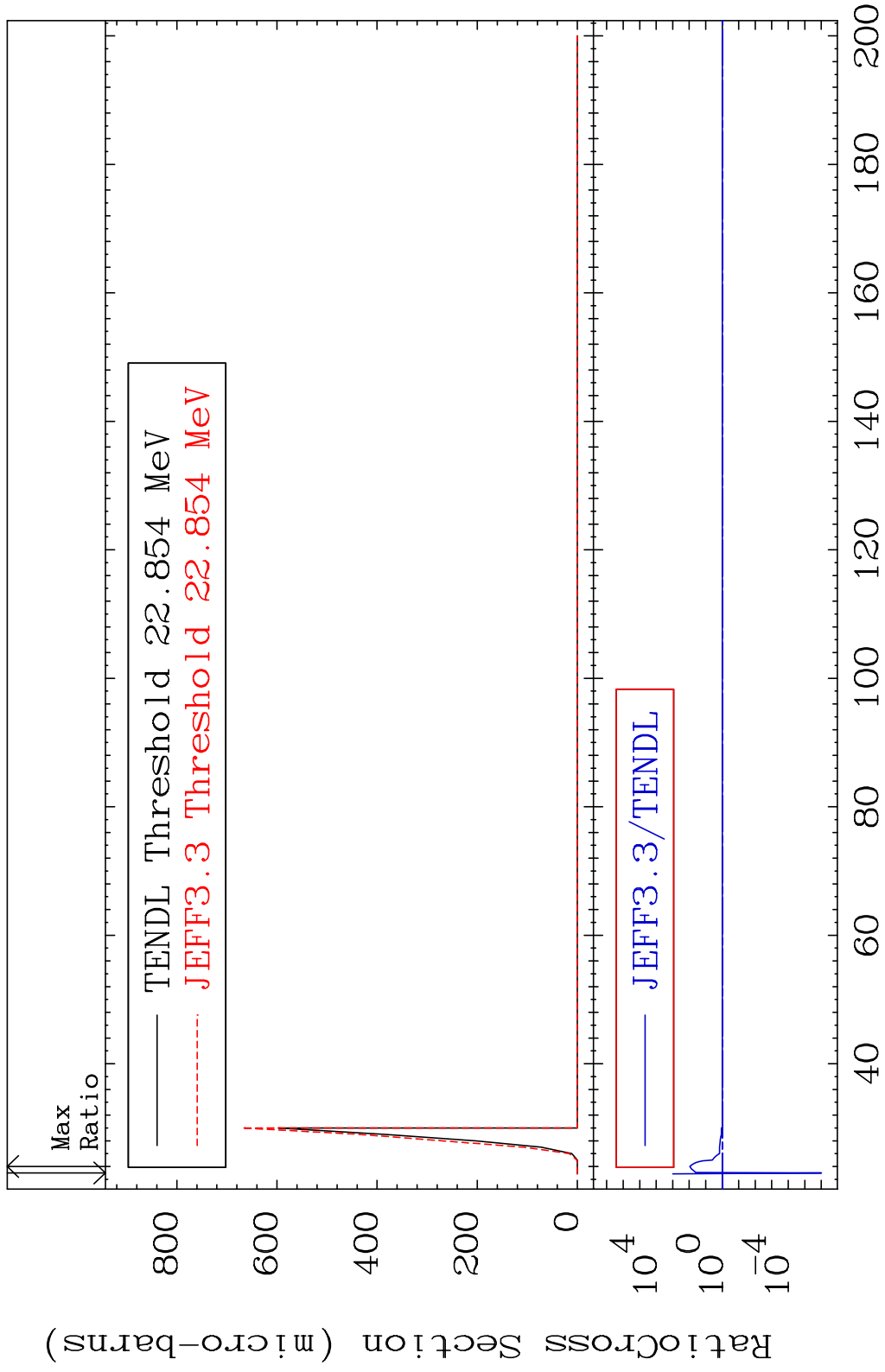


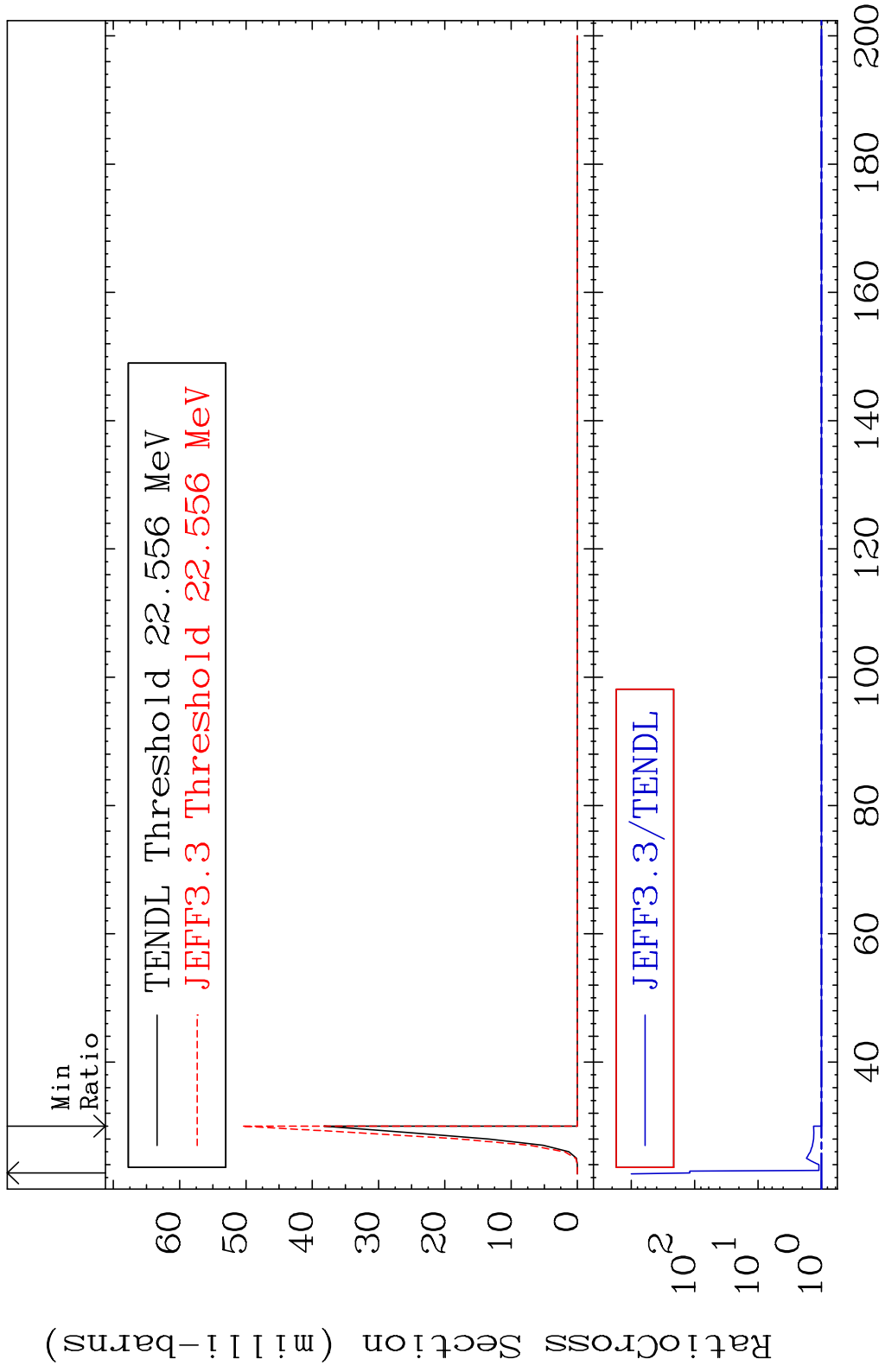
75 Incident Energy (MeV) 22-Ti-48

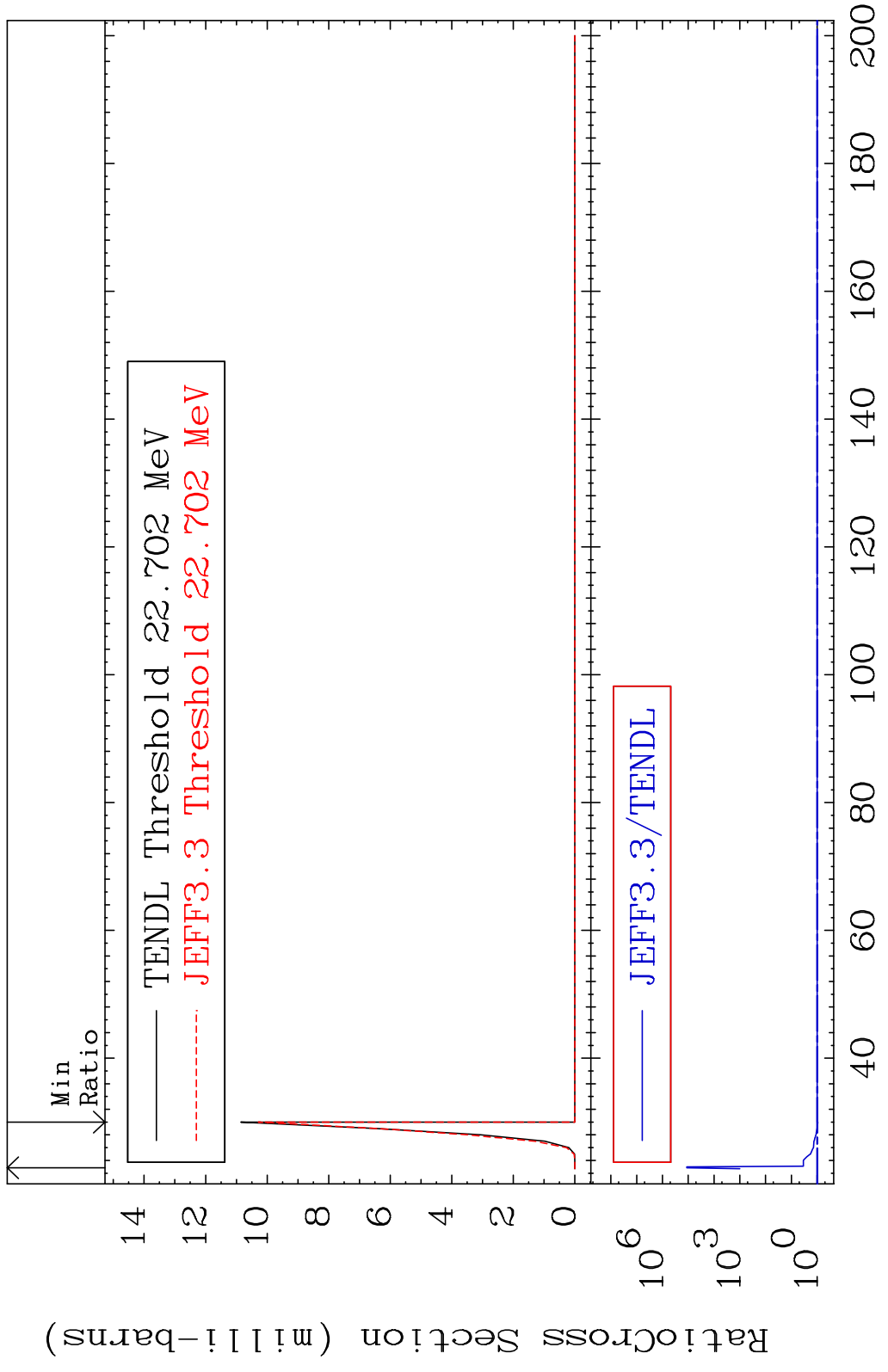
MAT 2231 (n, n') t:21-Sc-45g 22-Ti-48
 Radionuclide Production Cross Section 1800 d to 7300 . %



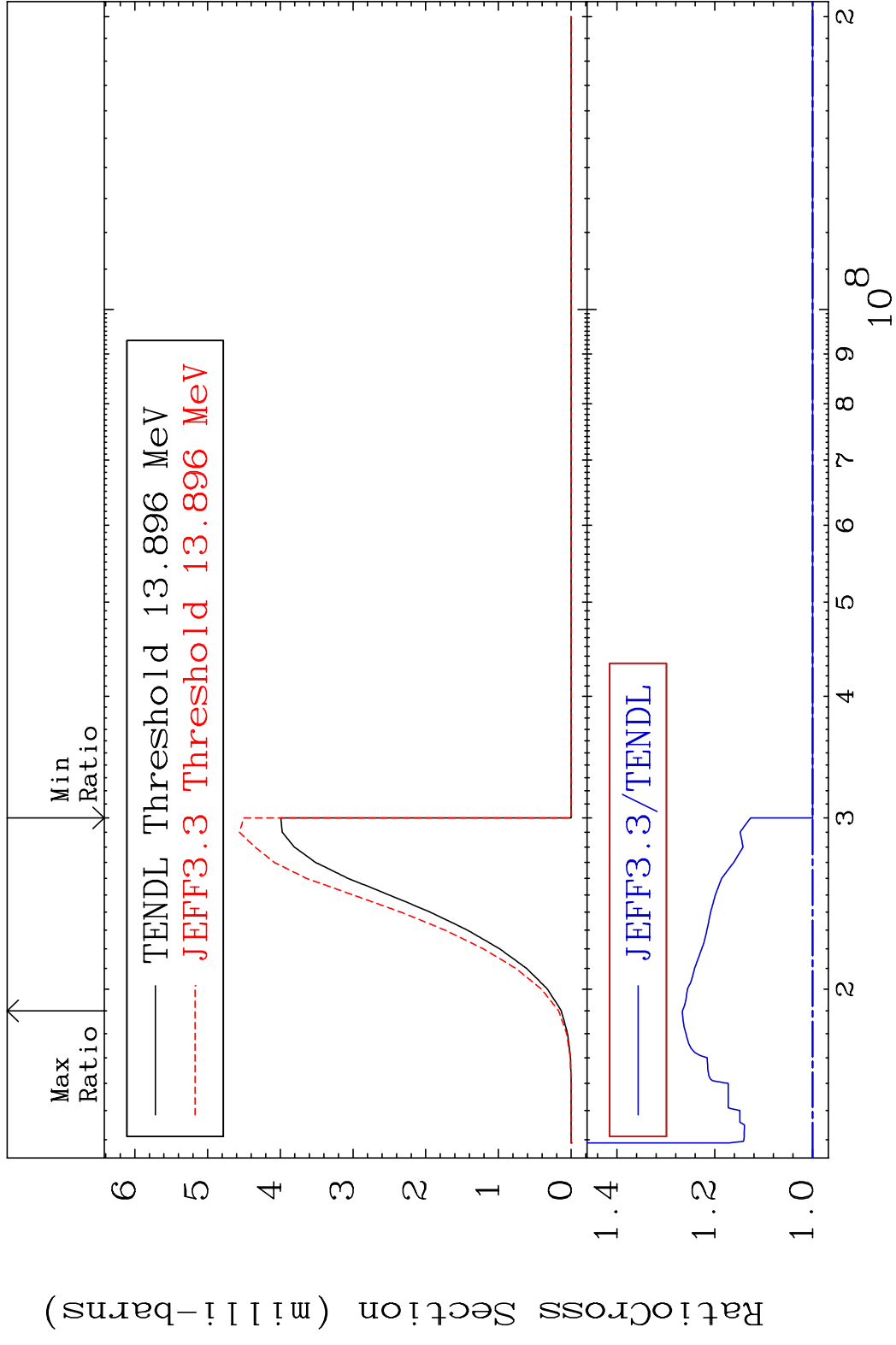
MAT 2231 (n, n') t:21-Sc-45m1 22-Ti-48
 Radionuclide Production Cross Section Ratio 9155. %







MAT 2231 (n, t):21-Sc-46g 22-Ti-48
 Radionuclide Production Cross Section 26.64 %



MAT 2231 (n,t):21-Sc-46m2 22-Ti-48
 Radionuclide Production Cross Section 15.45 %

