

Program Complot
(Version 2021-1)

by

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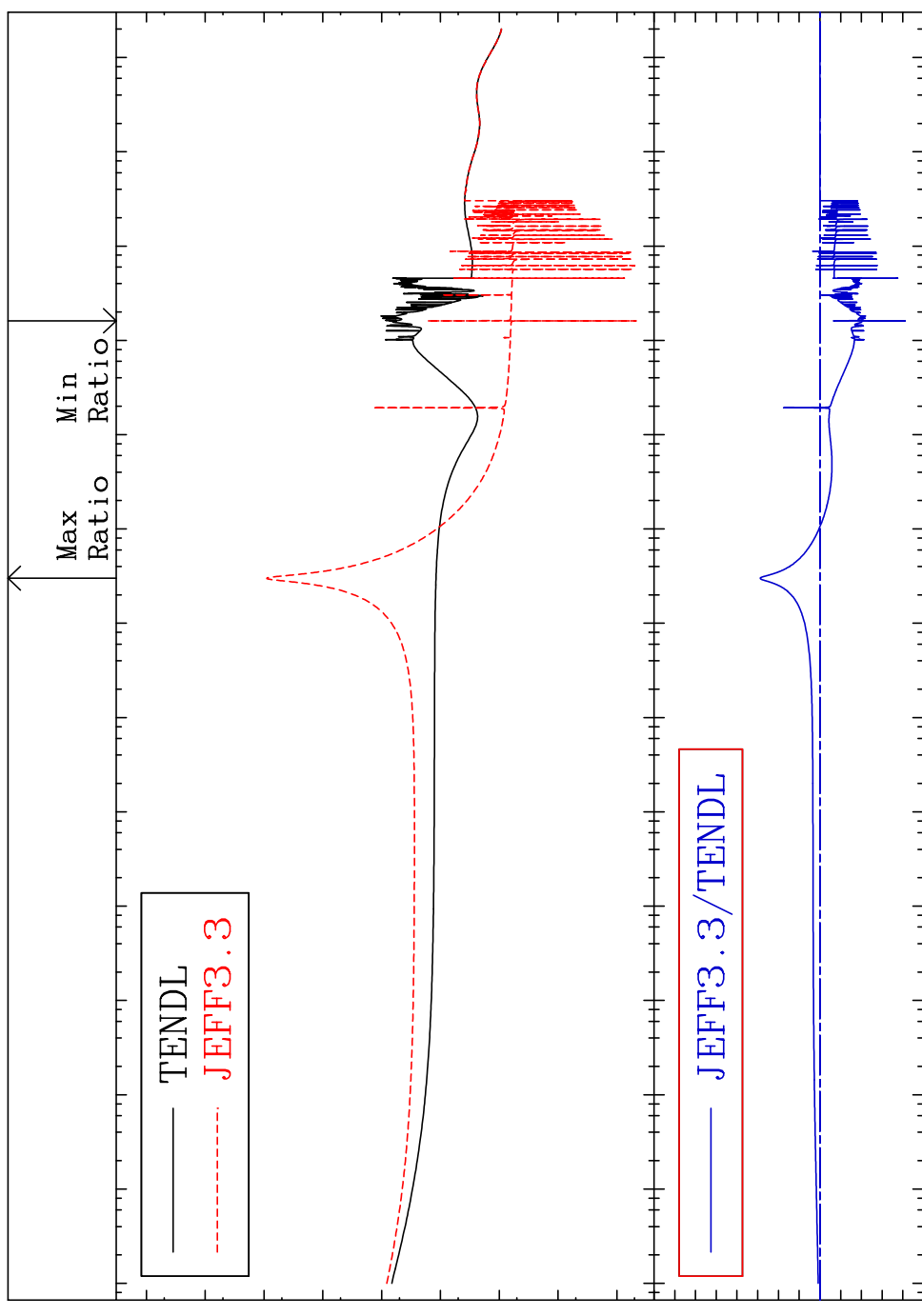
Press Mouse Button to Start

MAT 2049

Total

20-Ca-48

Cross Section -99.99 To 9999. %



Cross Section (barns)

Ratio

1

Incident Energy (eV)

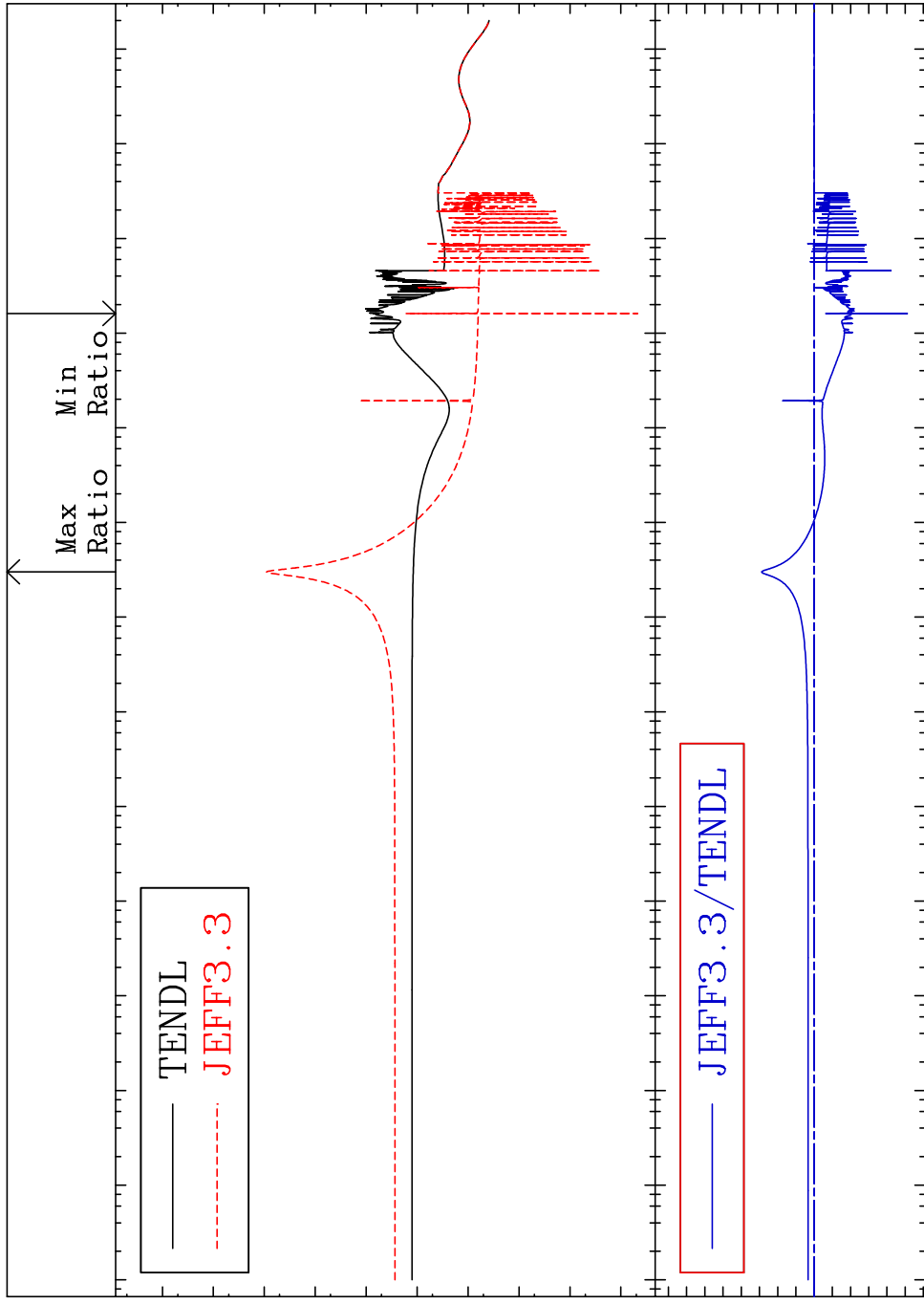
20-Ca-48

MAT 2049

Elastic

20-Ca-48

Cross Section -100.0 To 9999. %



Cross Section (barns)

Ratio

2

Incident Energy (eV)

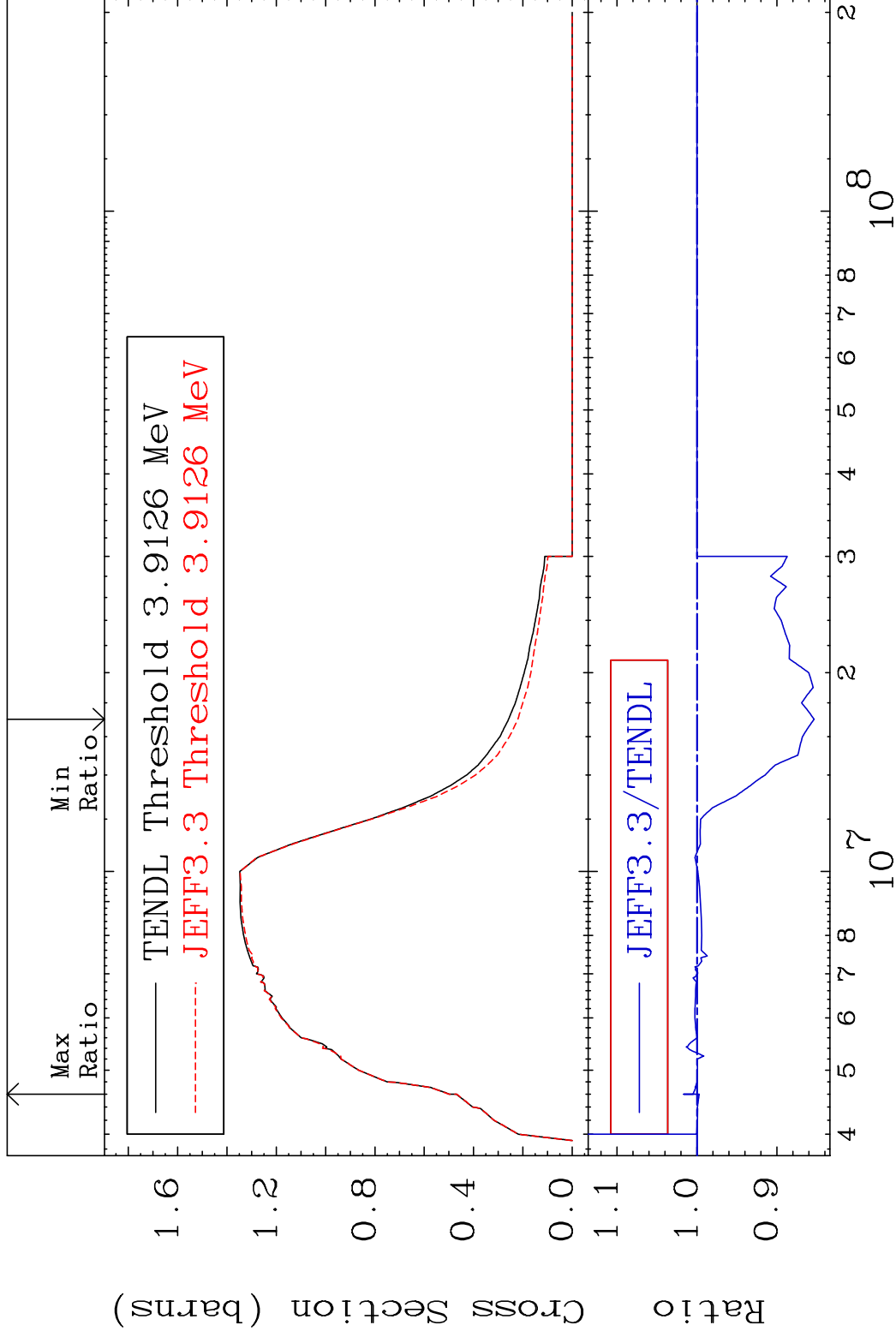
20-Ca-48

MAT 2049

Inelastic

20-Ca-48

Cross Section -14.64 To 1.665 %

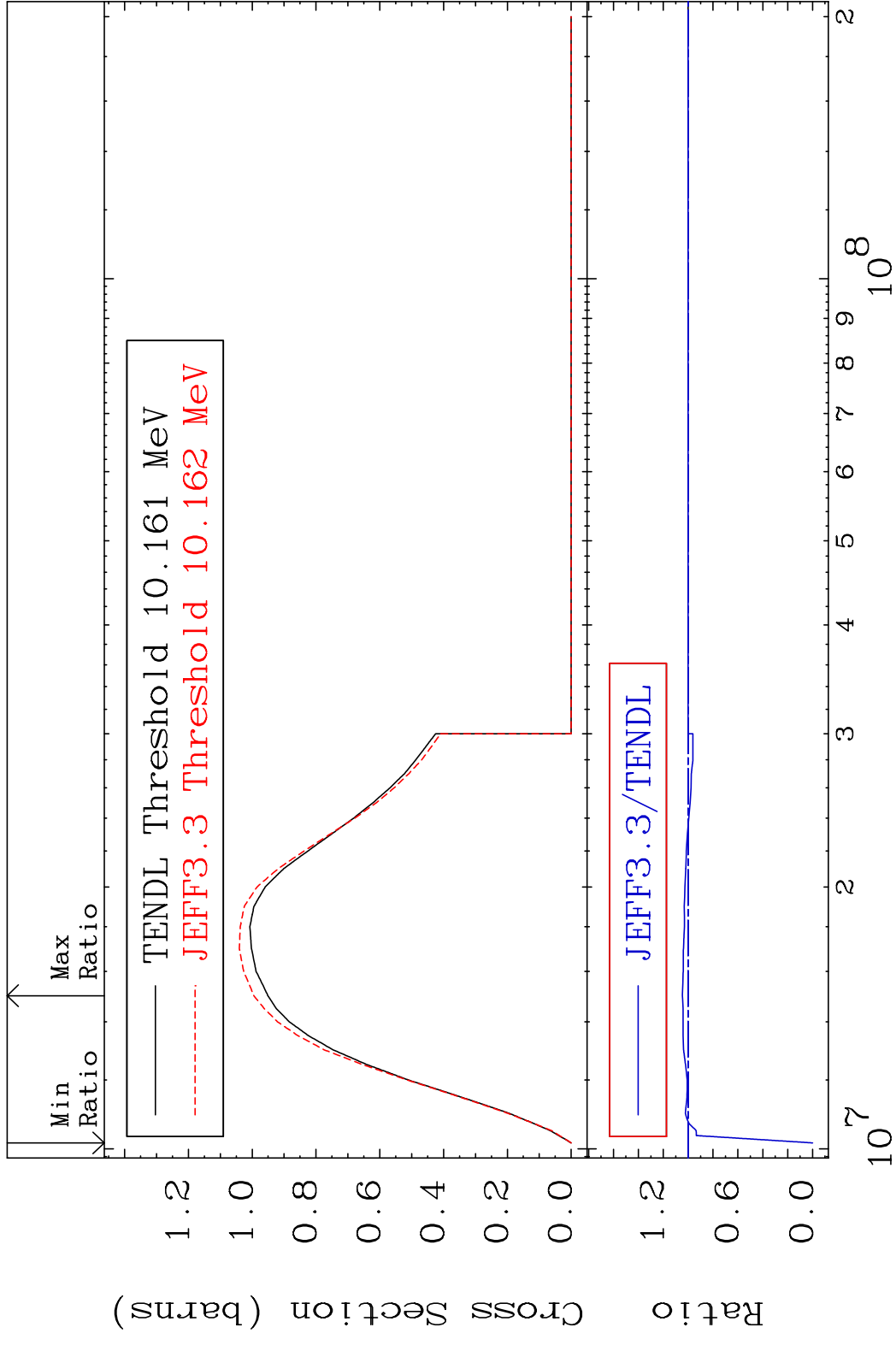


3

Incident Energy (eV)

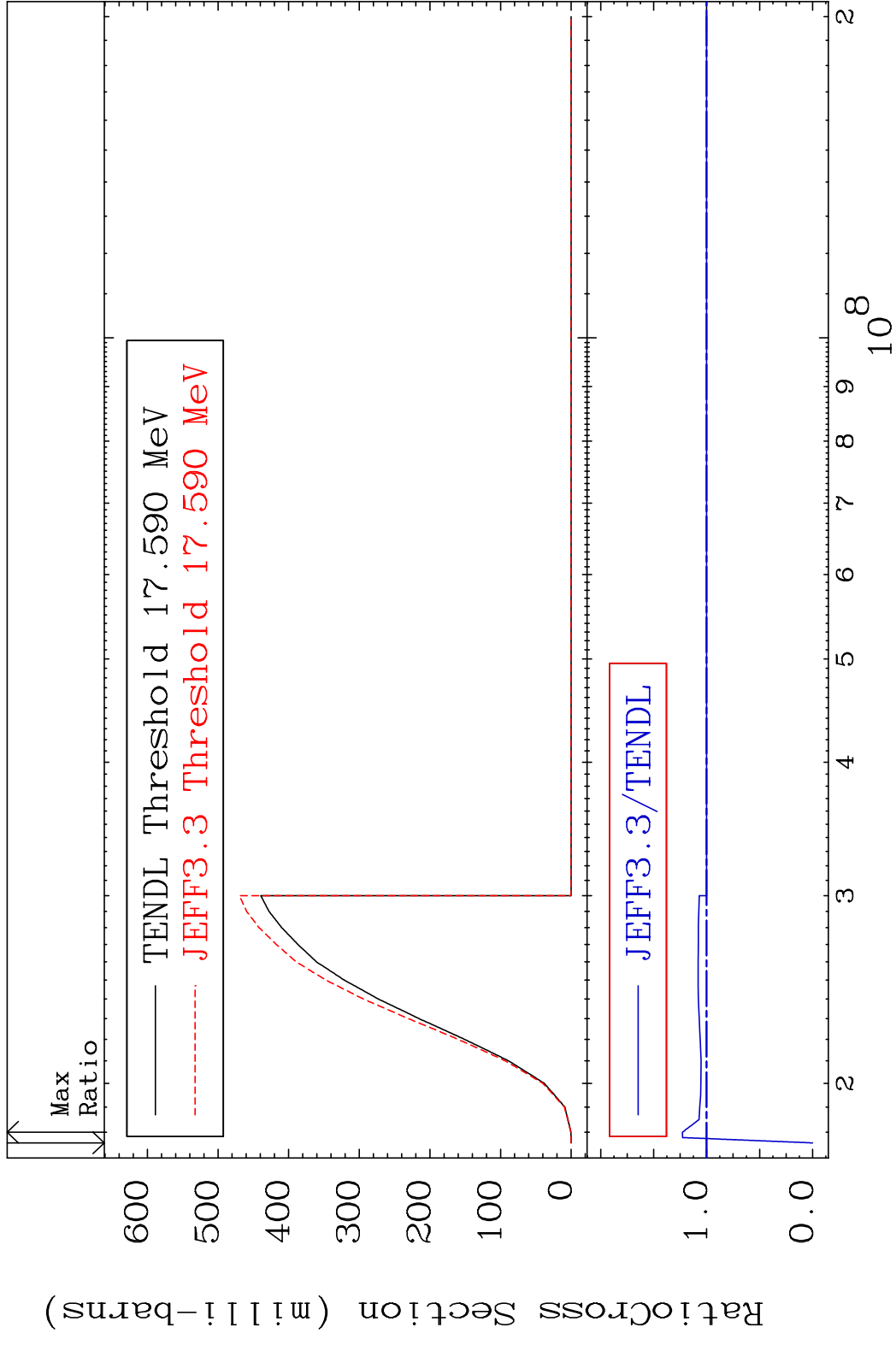
20-Ca-48

MAT 2049 (n,2n) 20-Ca-48
 Cross Section -100.0 To 4.652 %



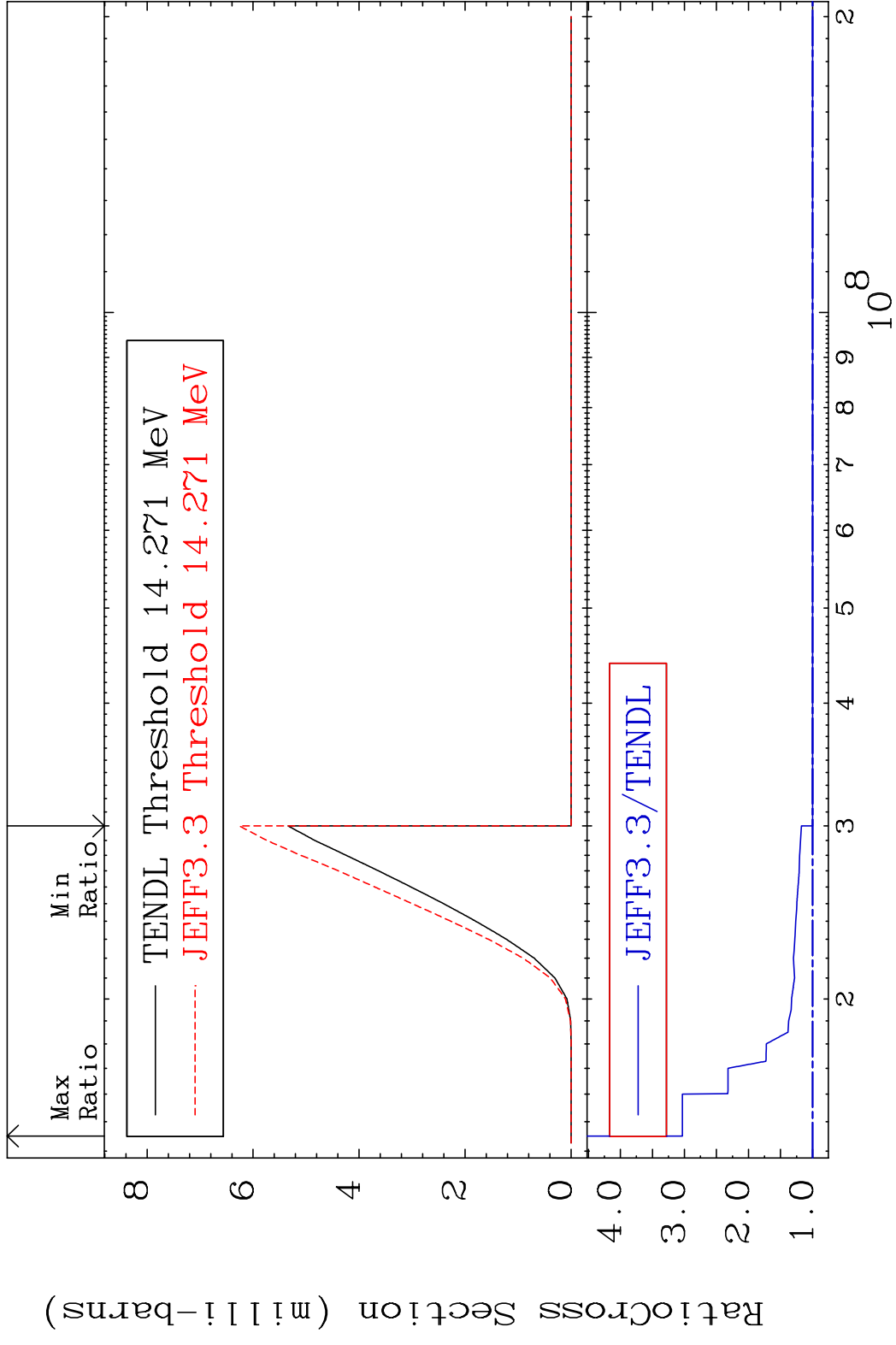
4 20-Ca-48

MAT 2049 (n,3n) 20-Ca-48
 Cross Section -100.0 To 22.94 %

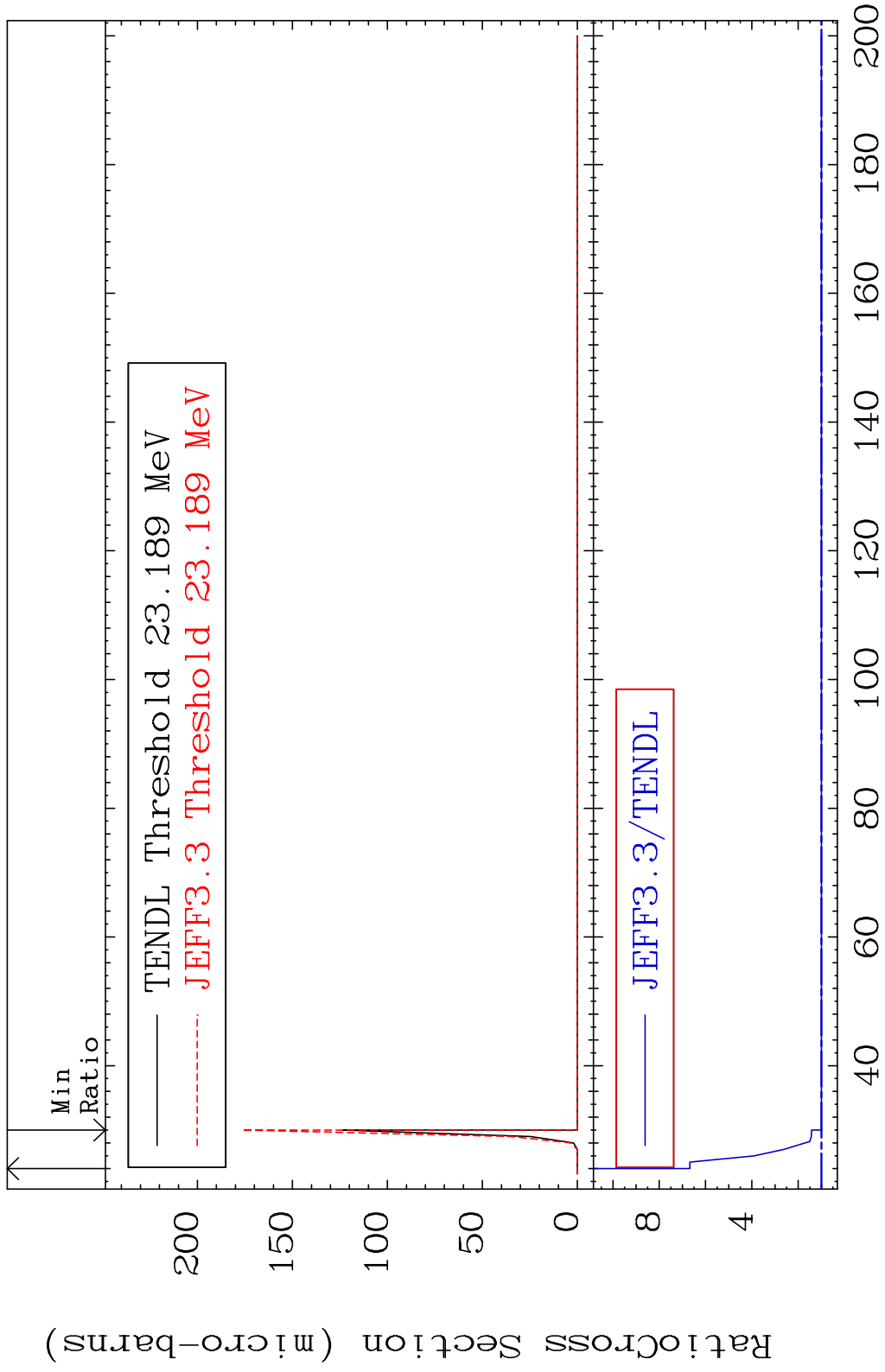


5 20-Ca-48

MAT 2049 (n, n') α 20-Ca-48
 Cross Section 0.000 To 203.2 %



MAT 2049 (n,2n) α 20-Ca-48
 Cross Section 0.000 To 568.2 %

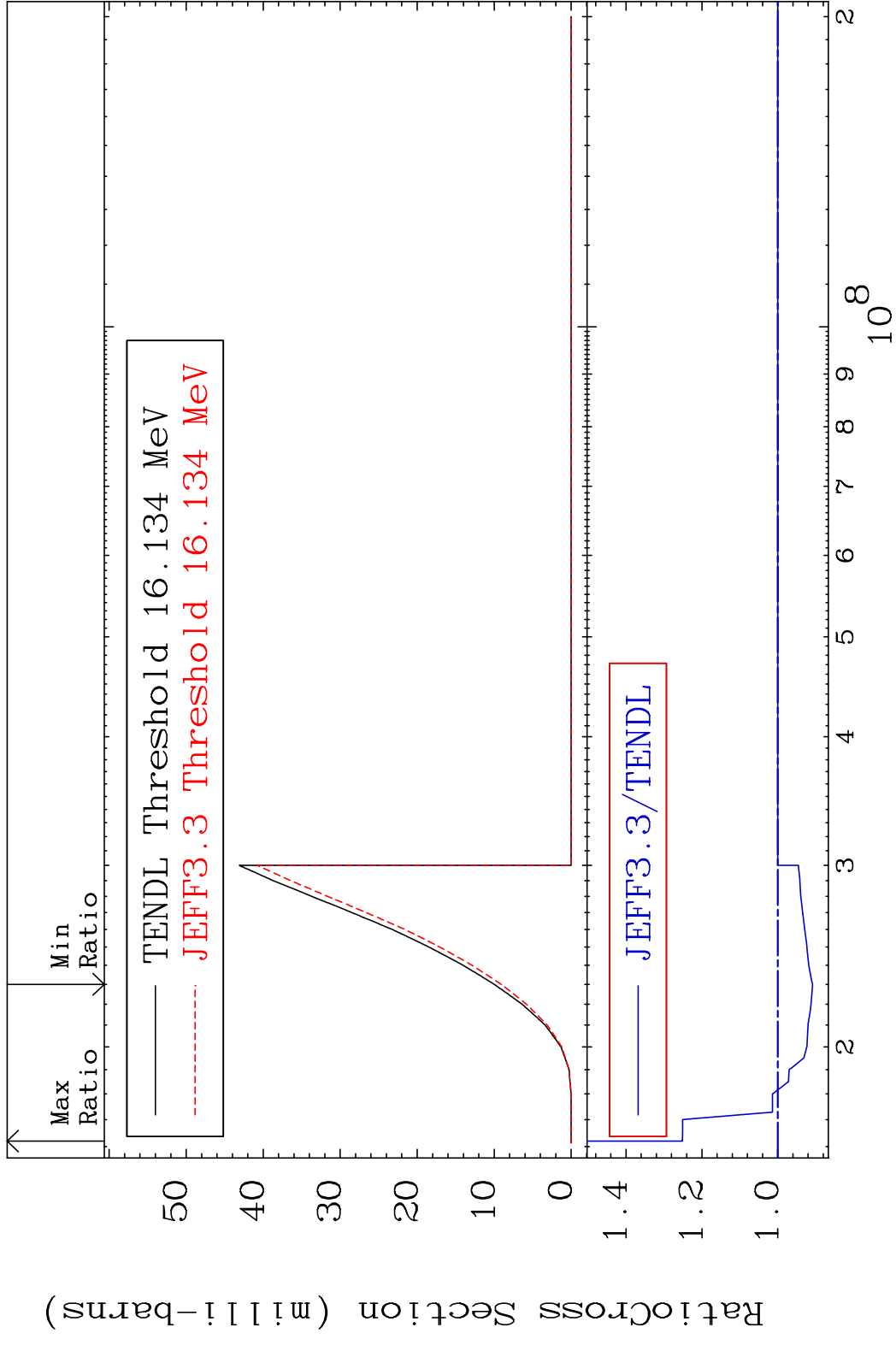


MAT 2049

(n, n') p

20-Ca-48

Cross Section -9.174 To 25.15 %

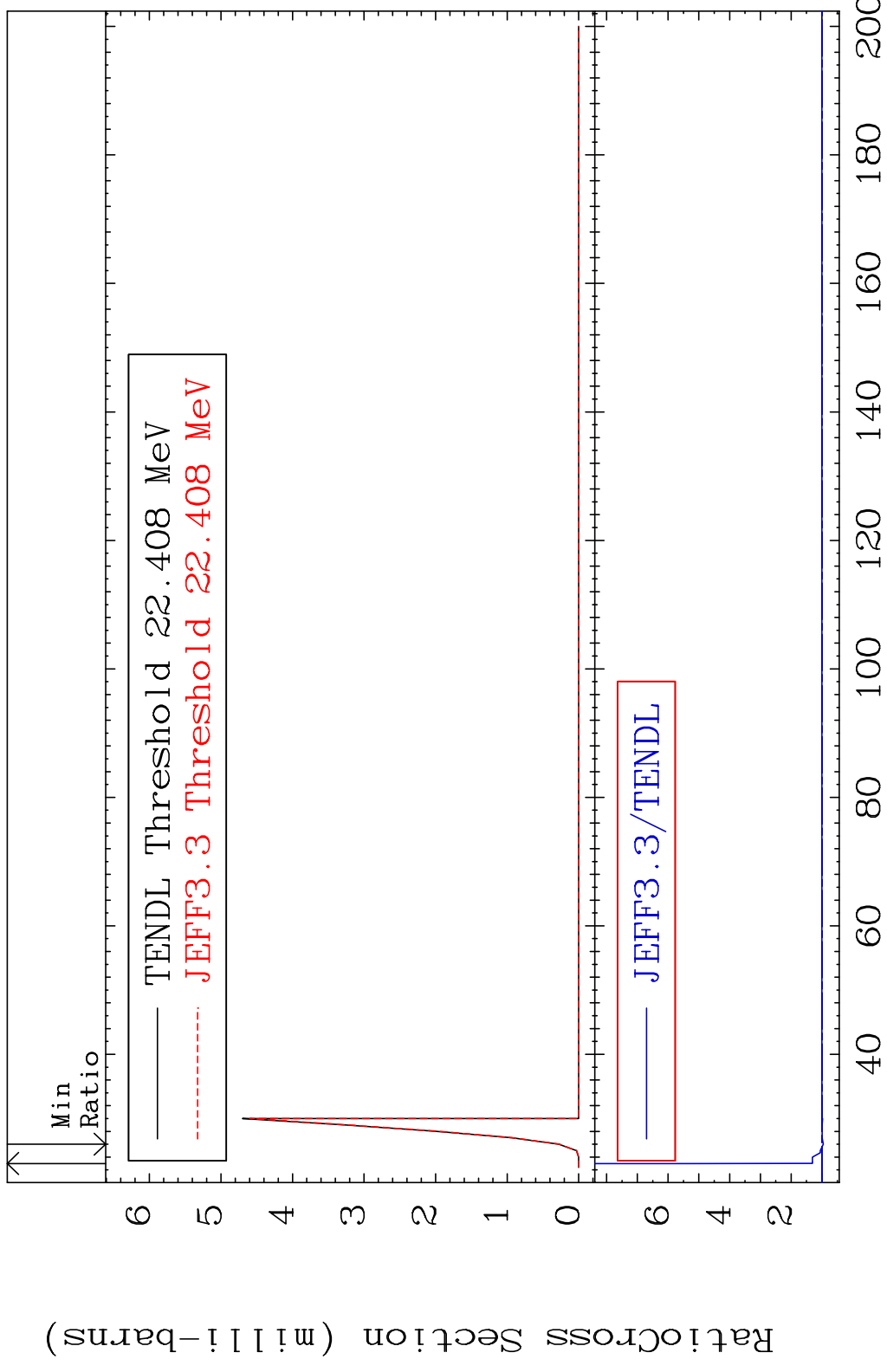


MAT 2049

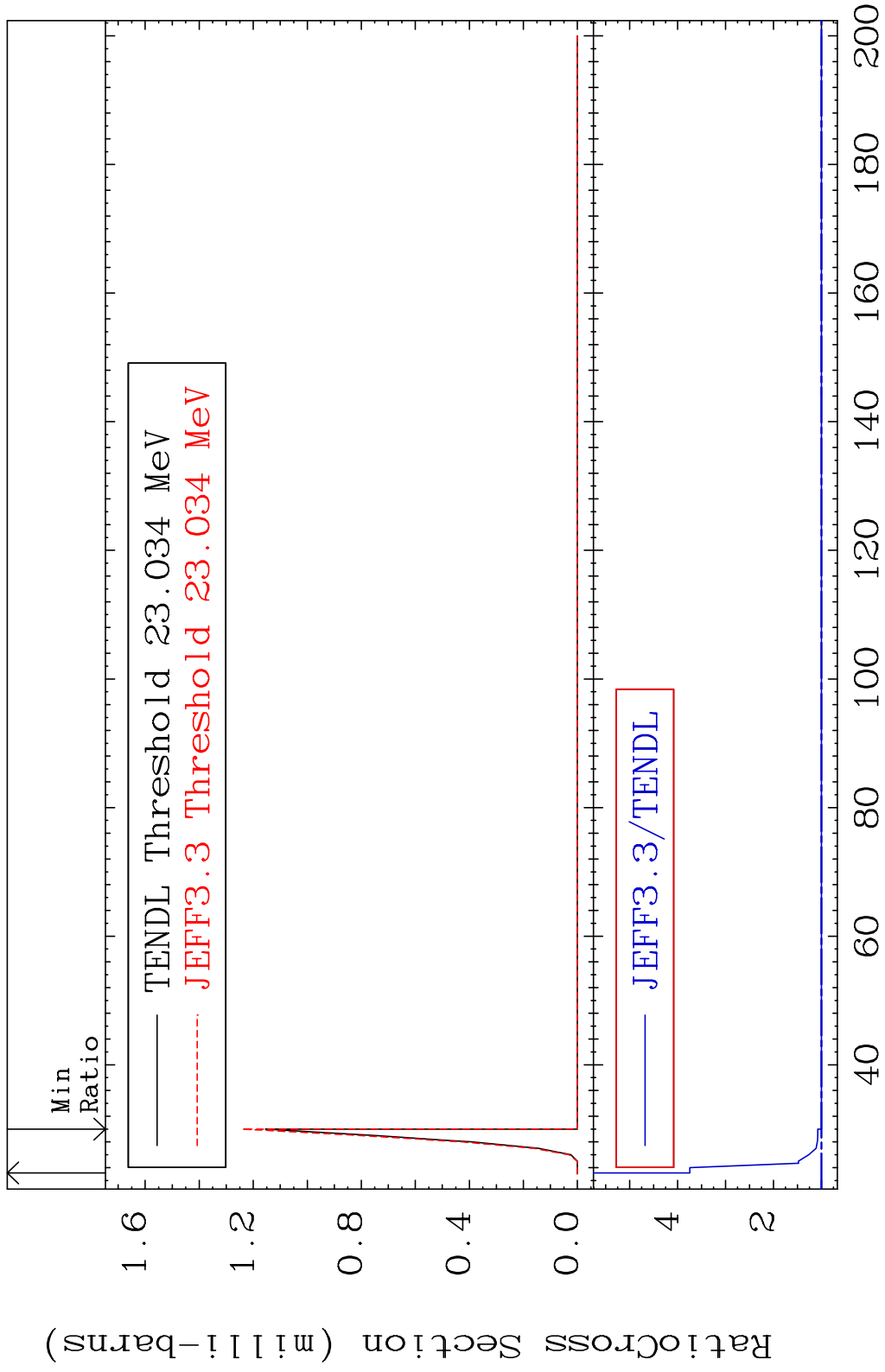
(n, n') d

20-Ca-48

Cross Section -4.306 To 424.5 %

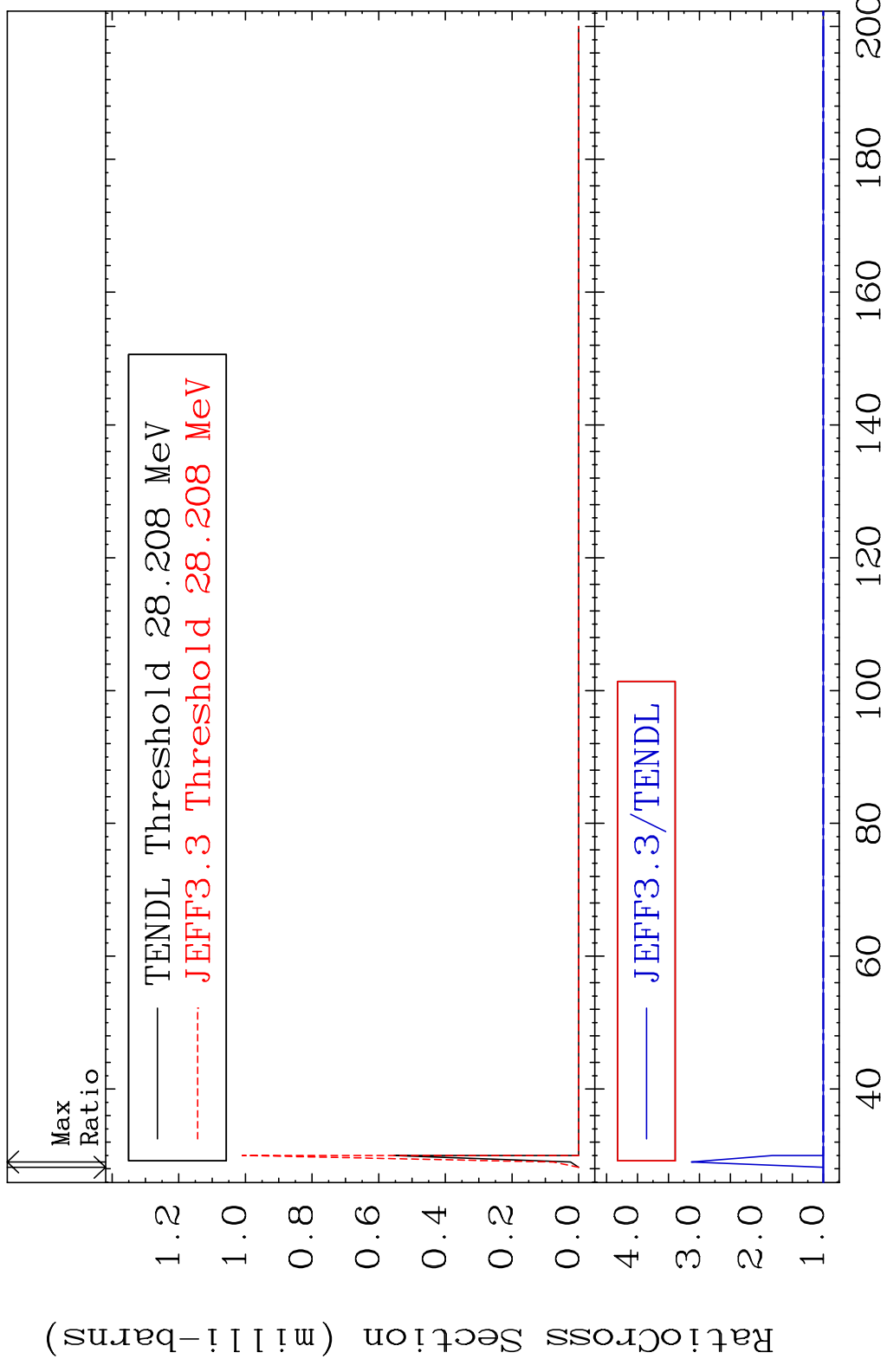


MAT 2049 (n, n') t 20-Ca-48
 Cross Section 0.000 To 274.6 %

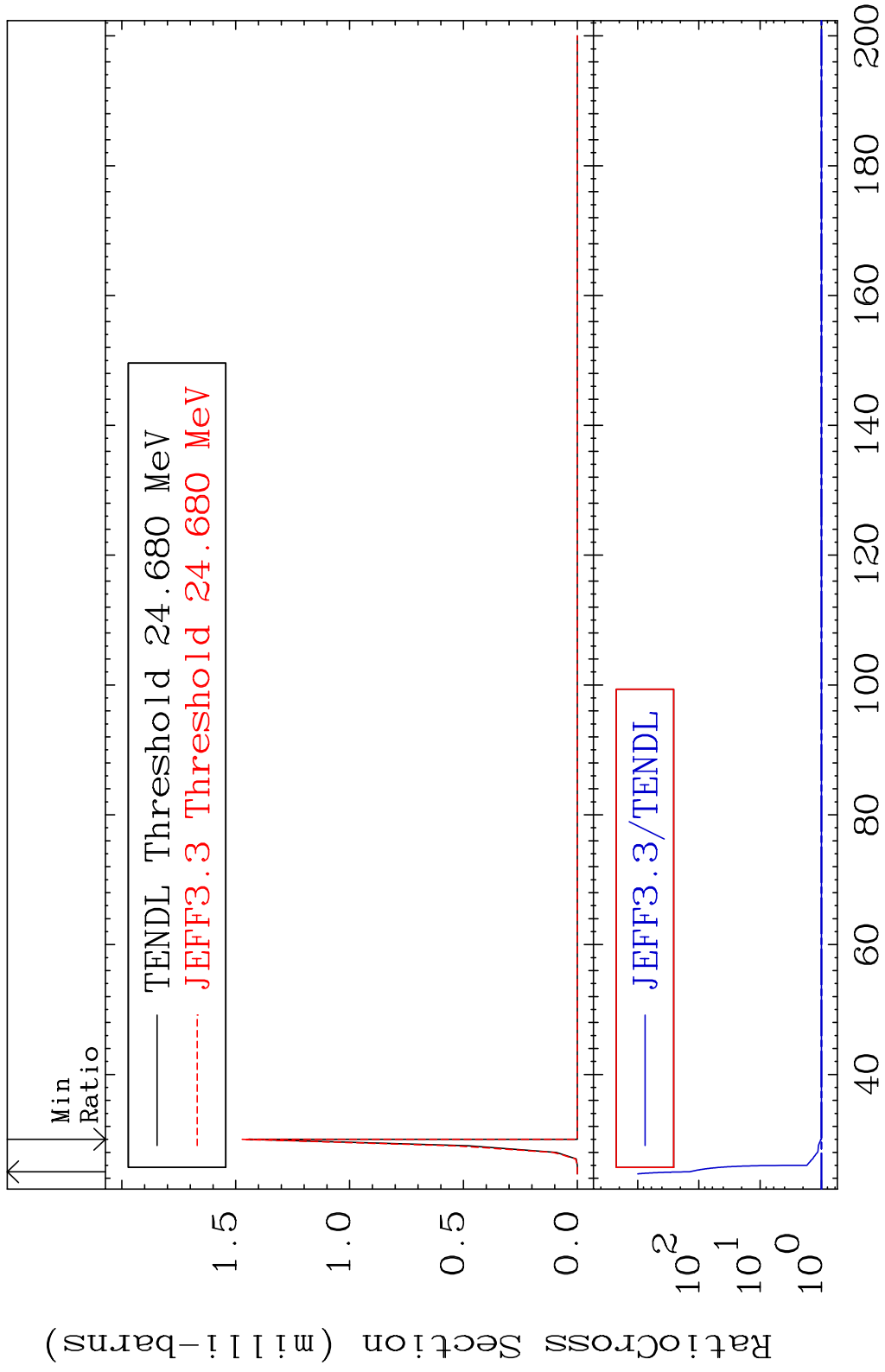


10 Incident Energy (MeV) 20-Ca-48

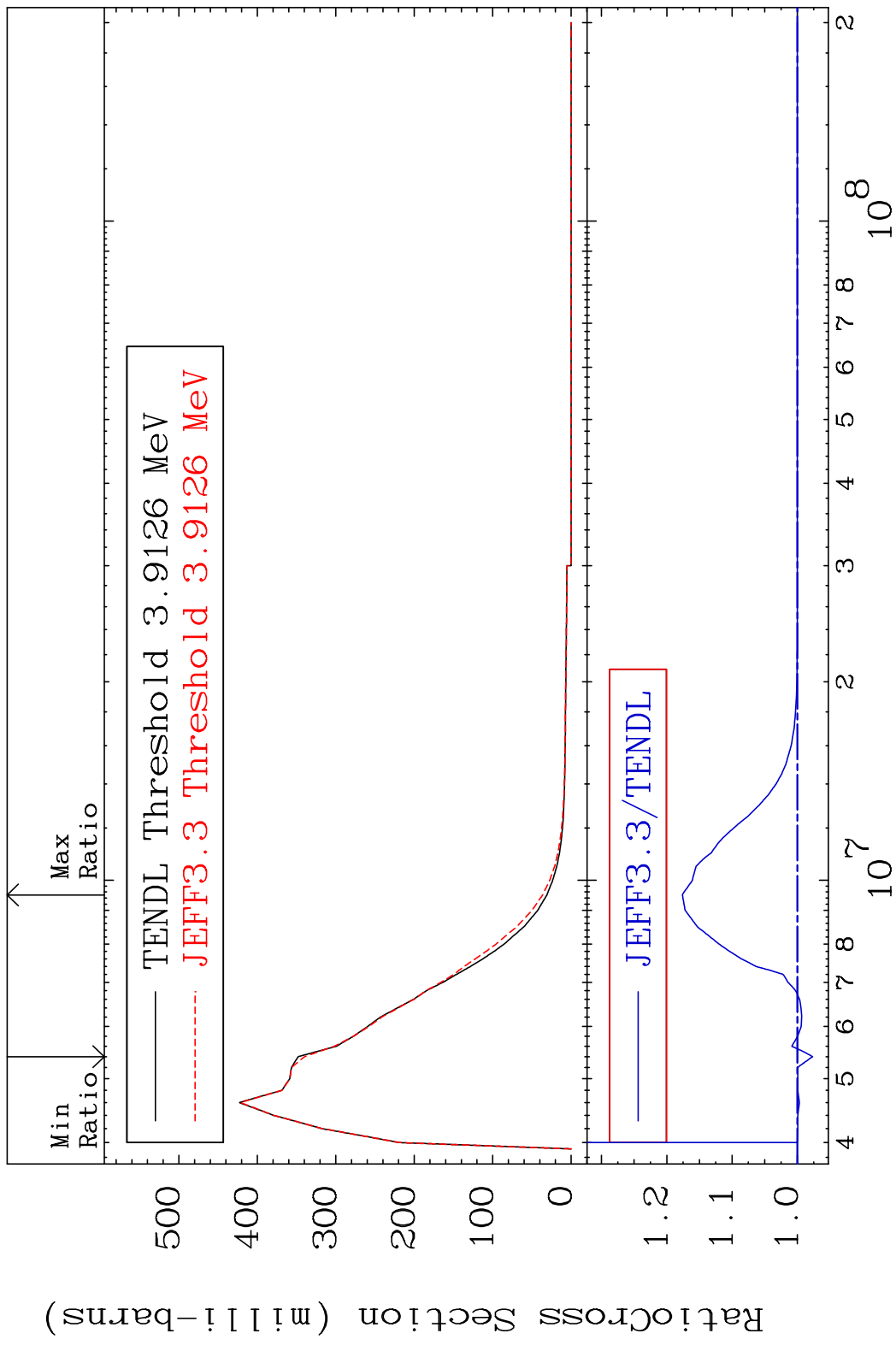
MAT 2049 (n,4n) 20-Ca-48
 Cross Section 0.000 To 213.1 %



MAT 2049 (n,2n) p 20-Ca-48
 Cross Section 0.000 To 9999. %

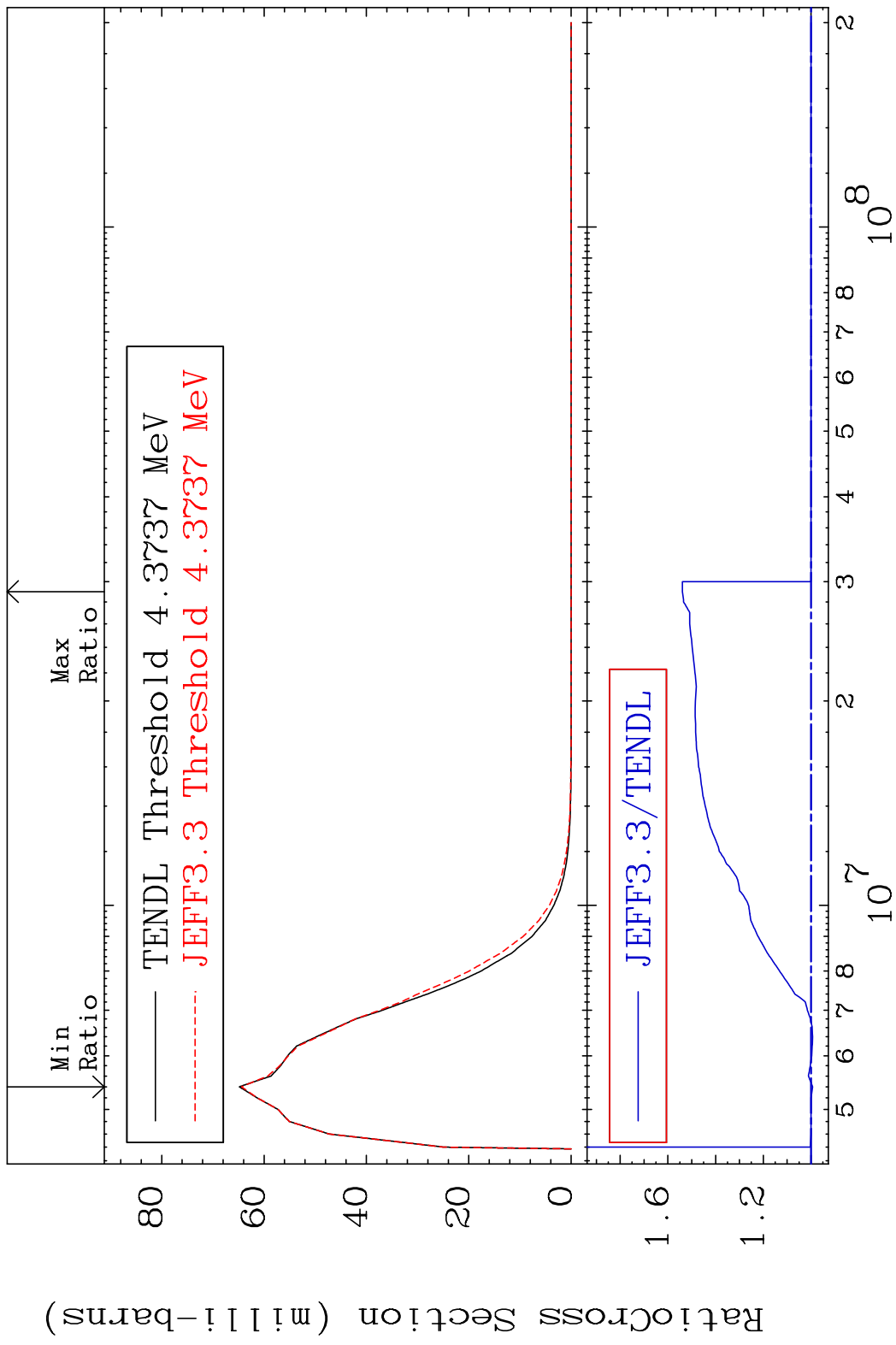


MAT 2049 MT= 51 (n, n') Level 20-Ca-48
 Cross Section -2.328 To 17.62 %

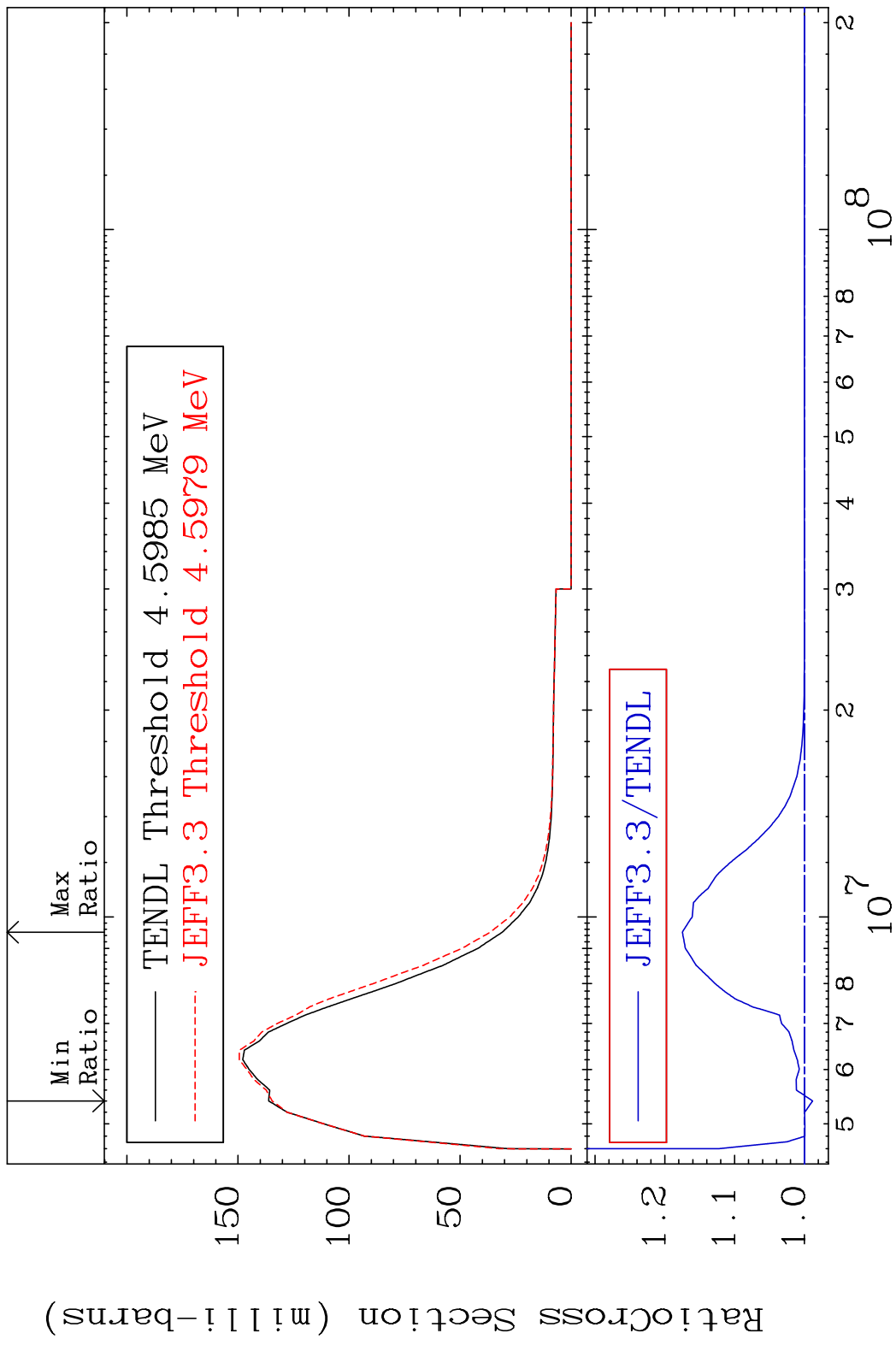


13 Incident Energy (eV) 20-Ca-48

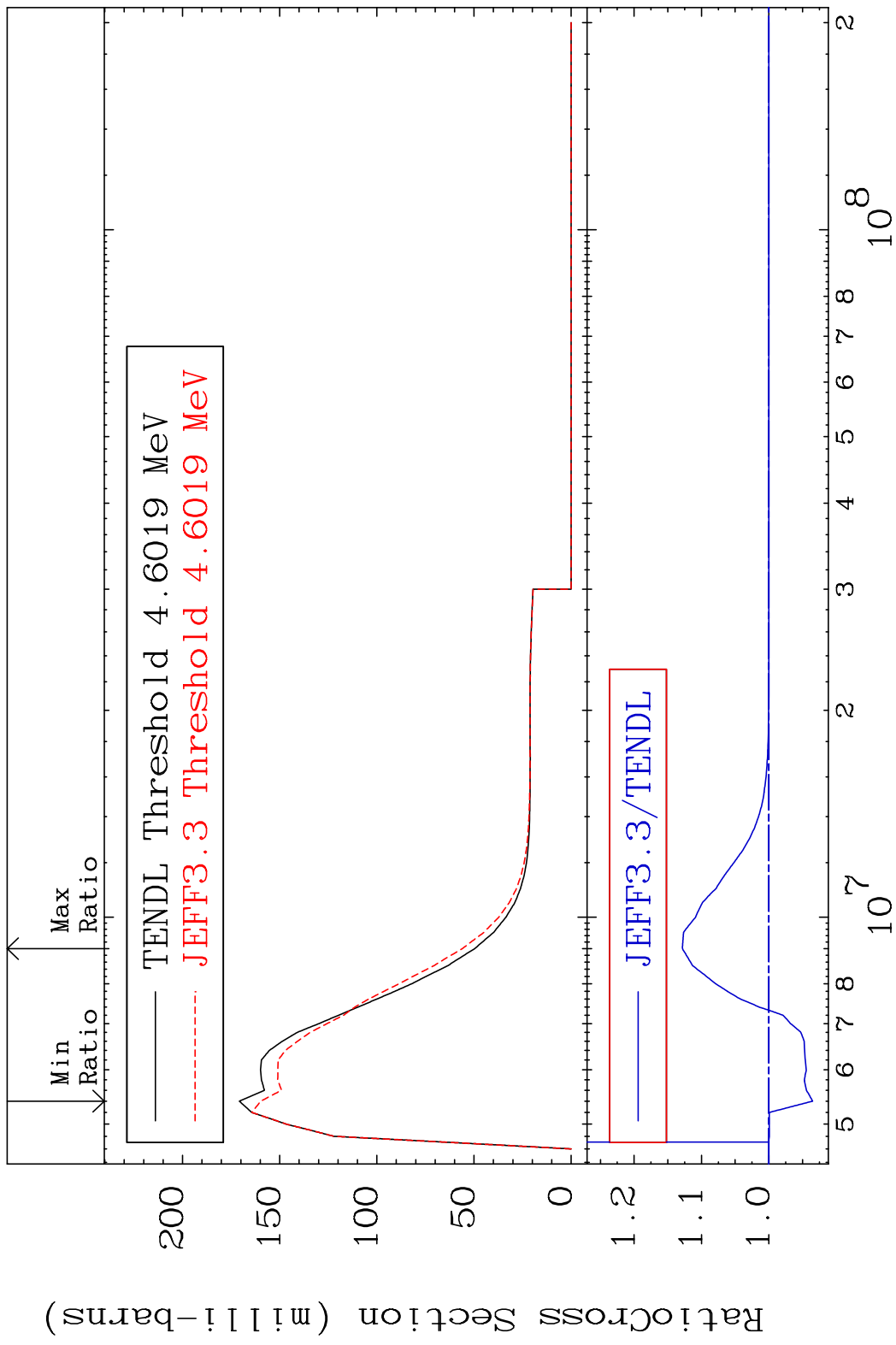
MAT 2049 MT= 52 (n, n') Level 20-Ca-48
 Cross Section -0.662 To 53.93 %



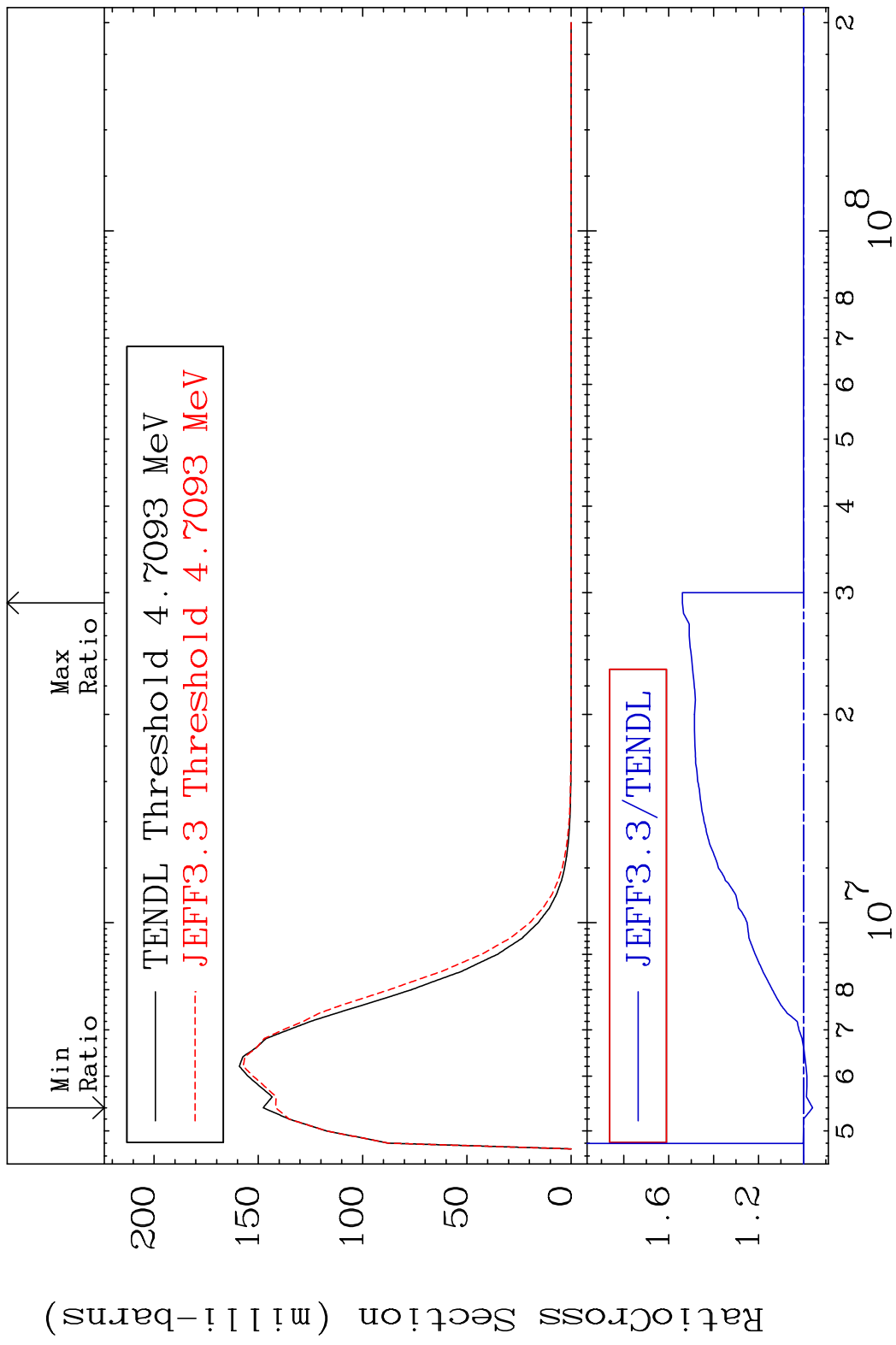
MAT 2049 MT= 53 (n, n') Level 20-Ca-48
 Cross Section -1.161 To 17.49 %



MAT 2049 MT= 54 (n, n') Level 20-Ca-48
 Cross Section -6.486 To 12.84 %

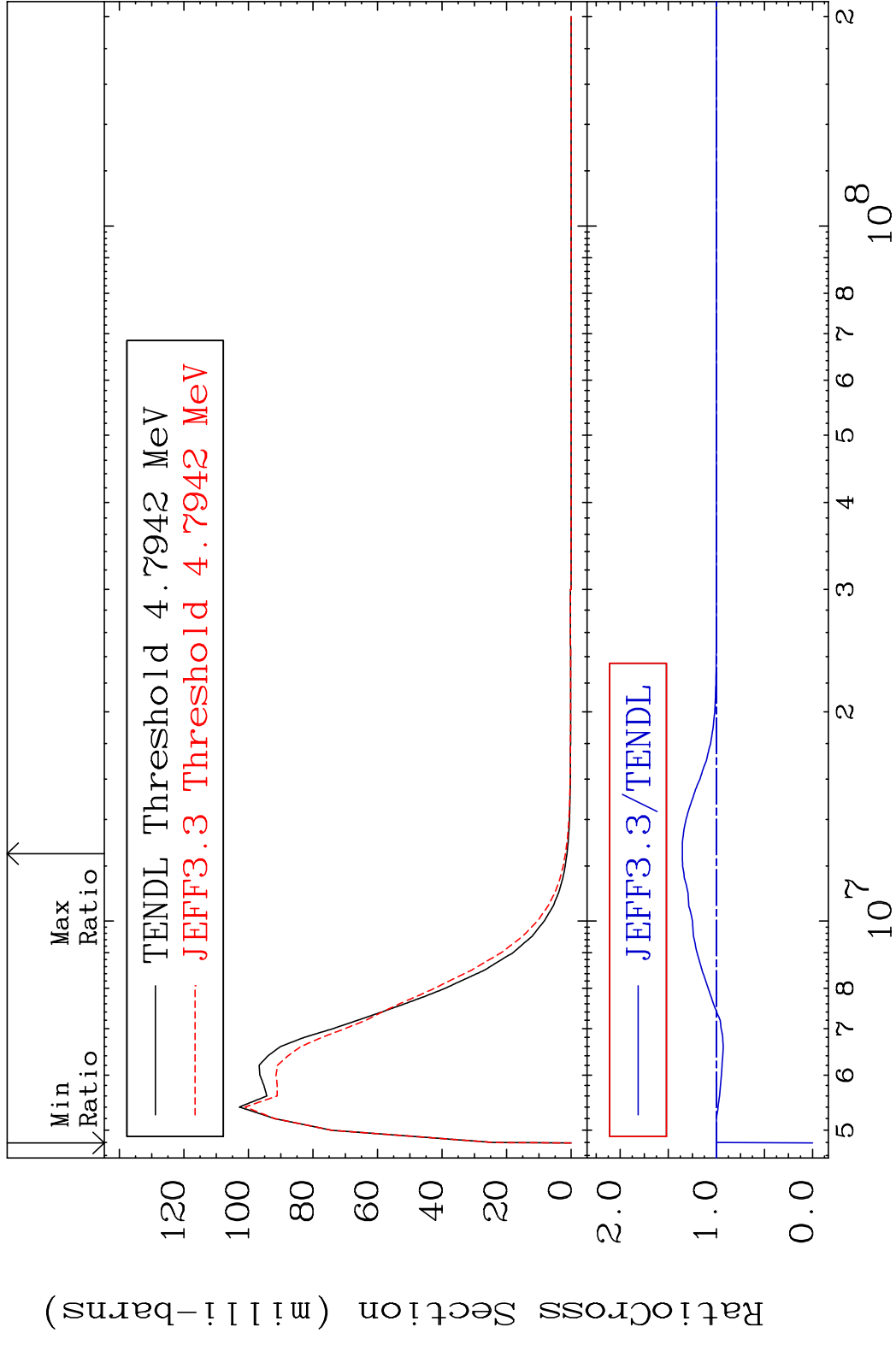


MAT 2049 MT= 55 (n, n') Level 20-Ca-48
 Cross Section -4.076 To 53.94 %



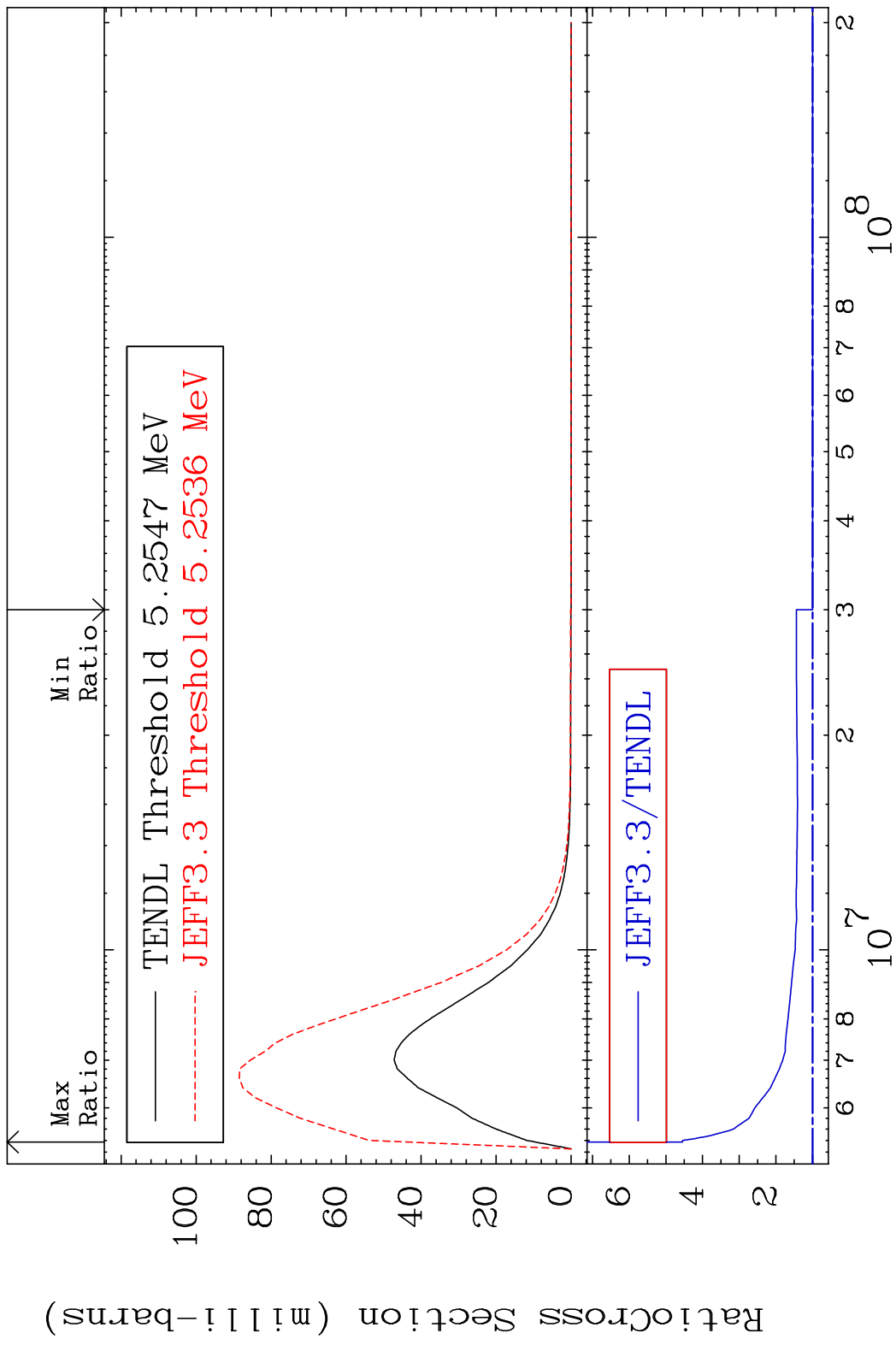
17 17 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 56 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 35.40 %

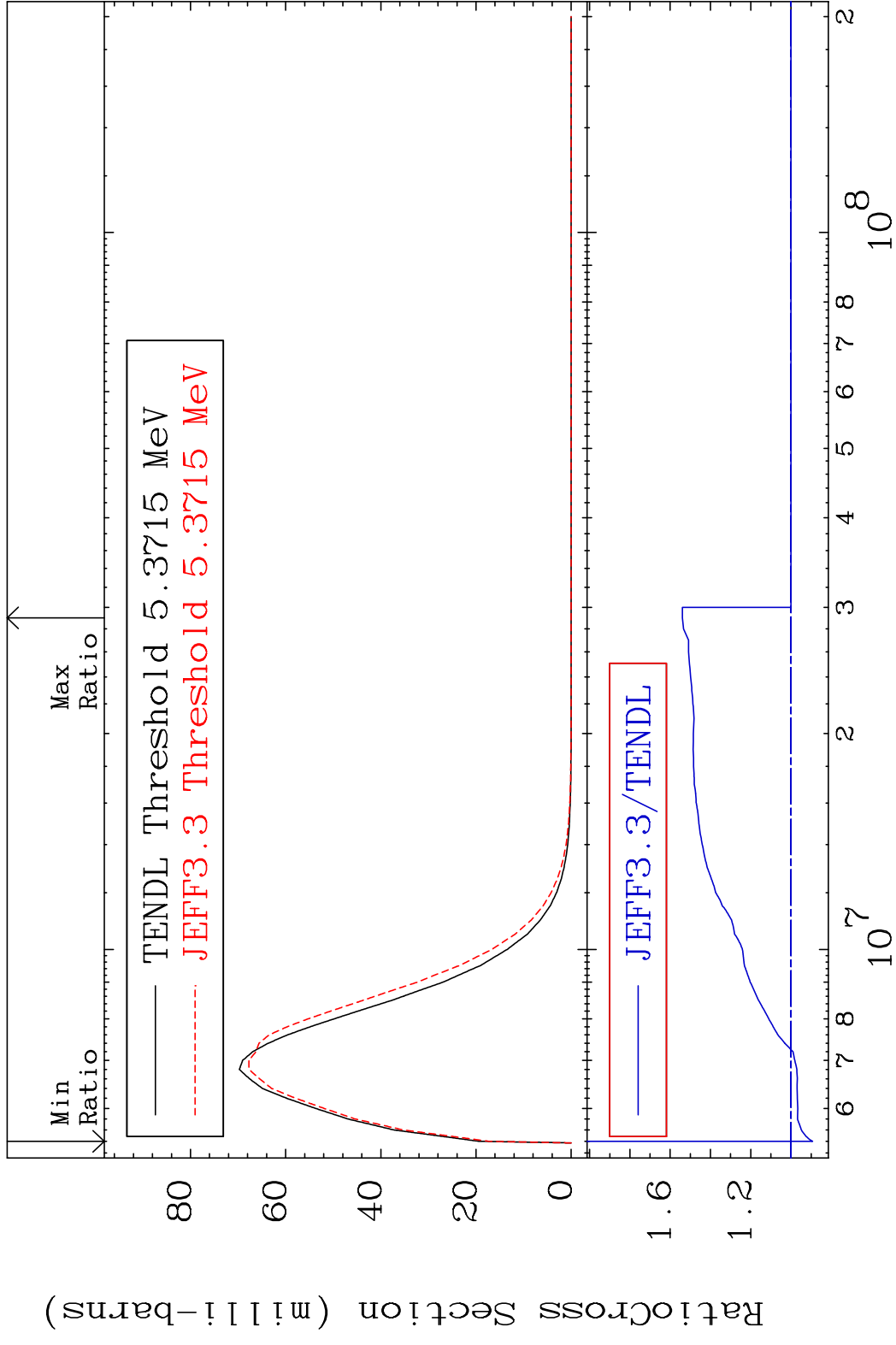


18 Incident Energy (eV) 20-Ca-48

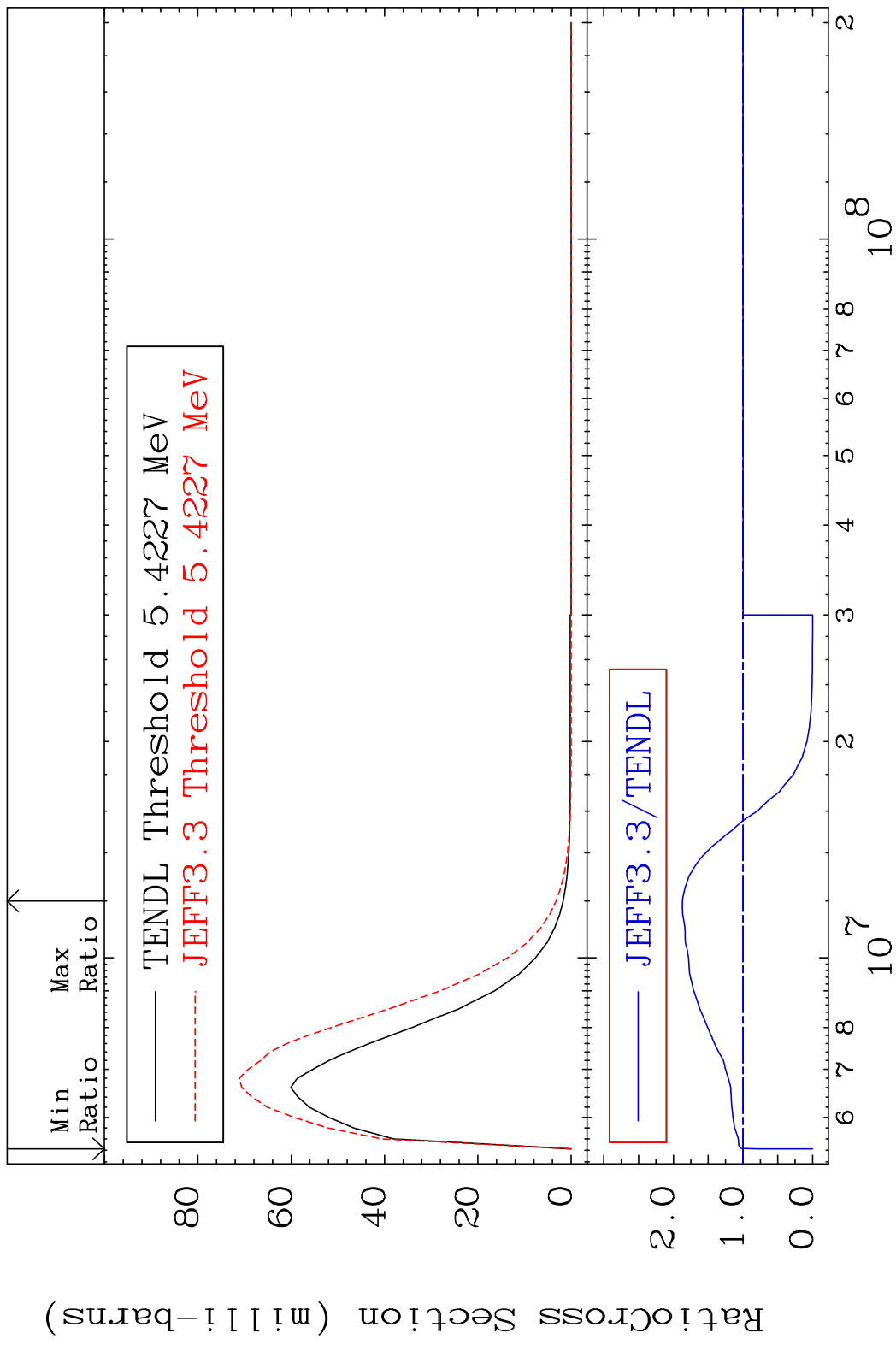
MAT 2049 MT= 57 (n, n') Level 20-Ca-48
 Cross Section 0.000 To 355.0 %



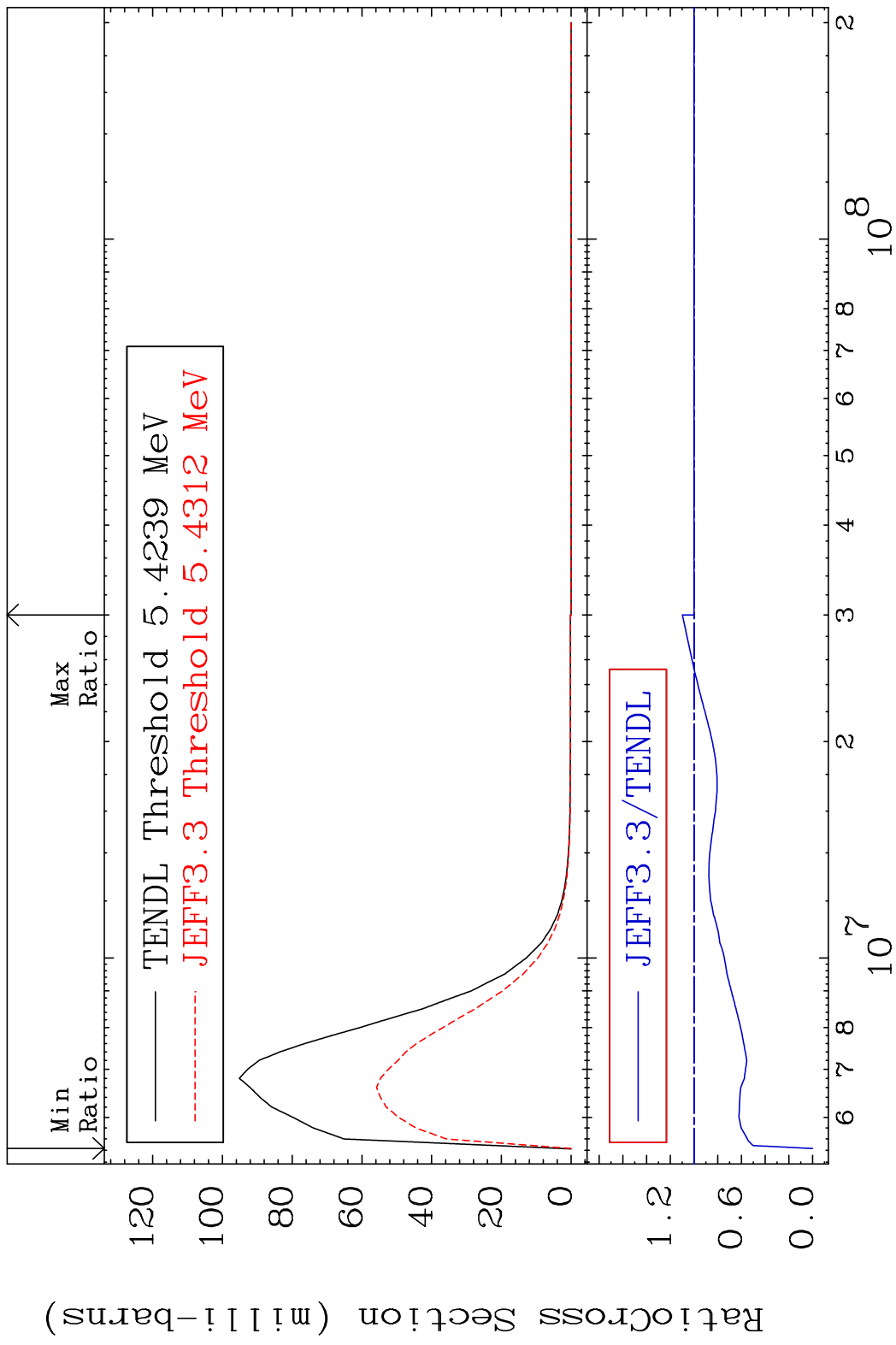
MAT 2049 MT= 58 (n, n') Level 20-Ca-48
 Cross Section -10.70 To 53.95 %



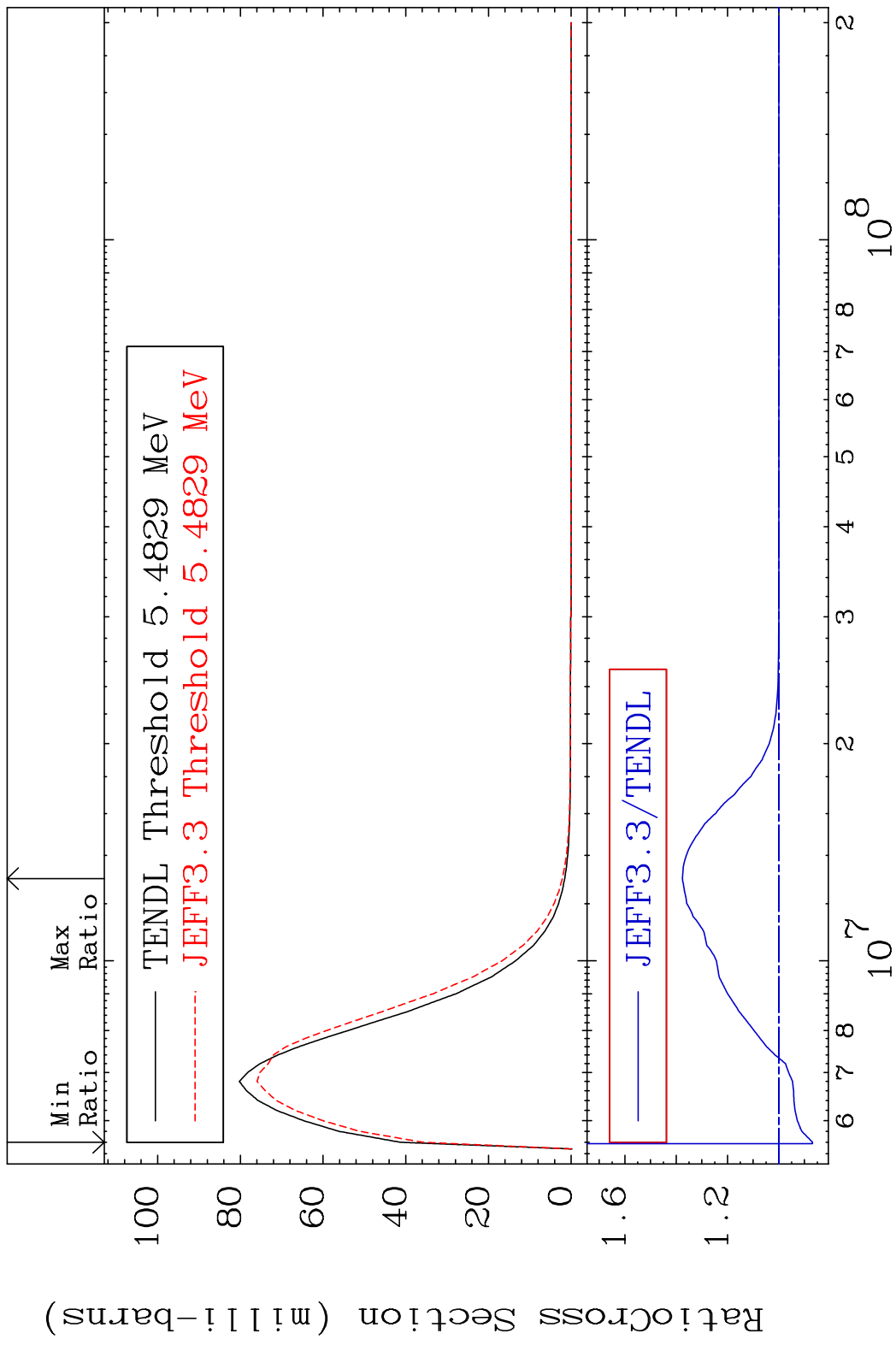
MAT 2049 MT= 59 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 87.12 %



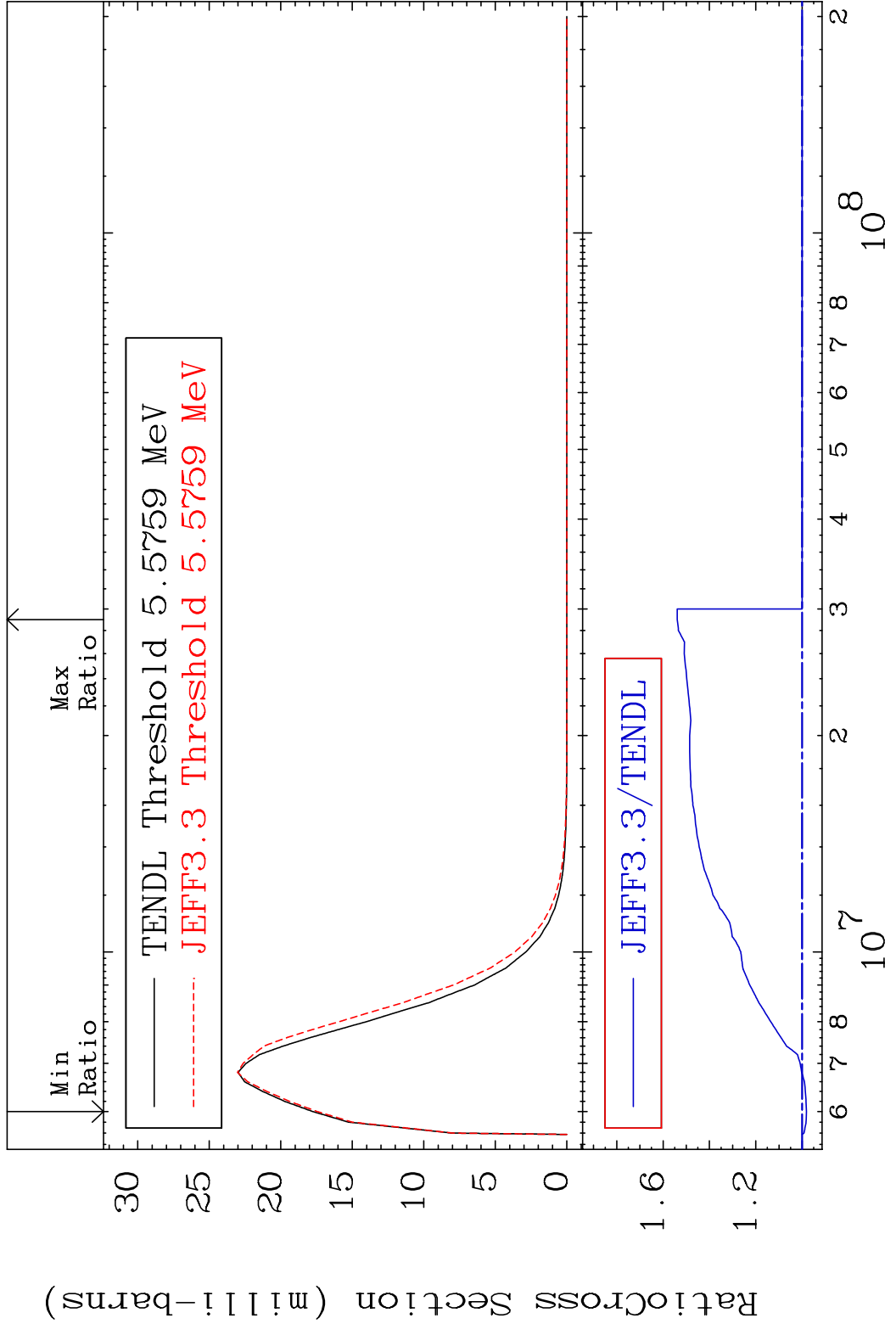
MAT 2049 MT= 60 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9.806 %



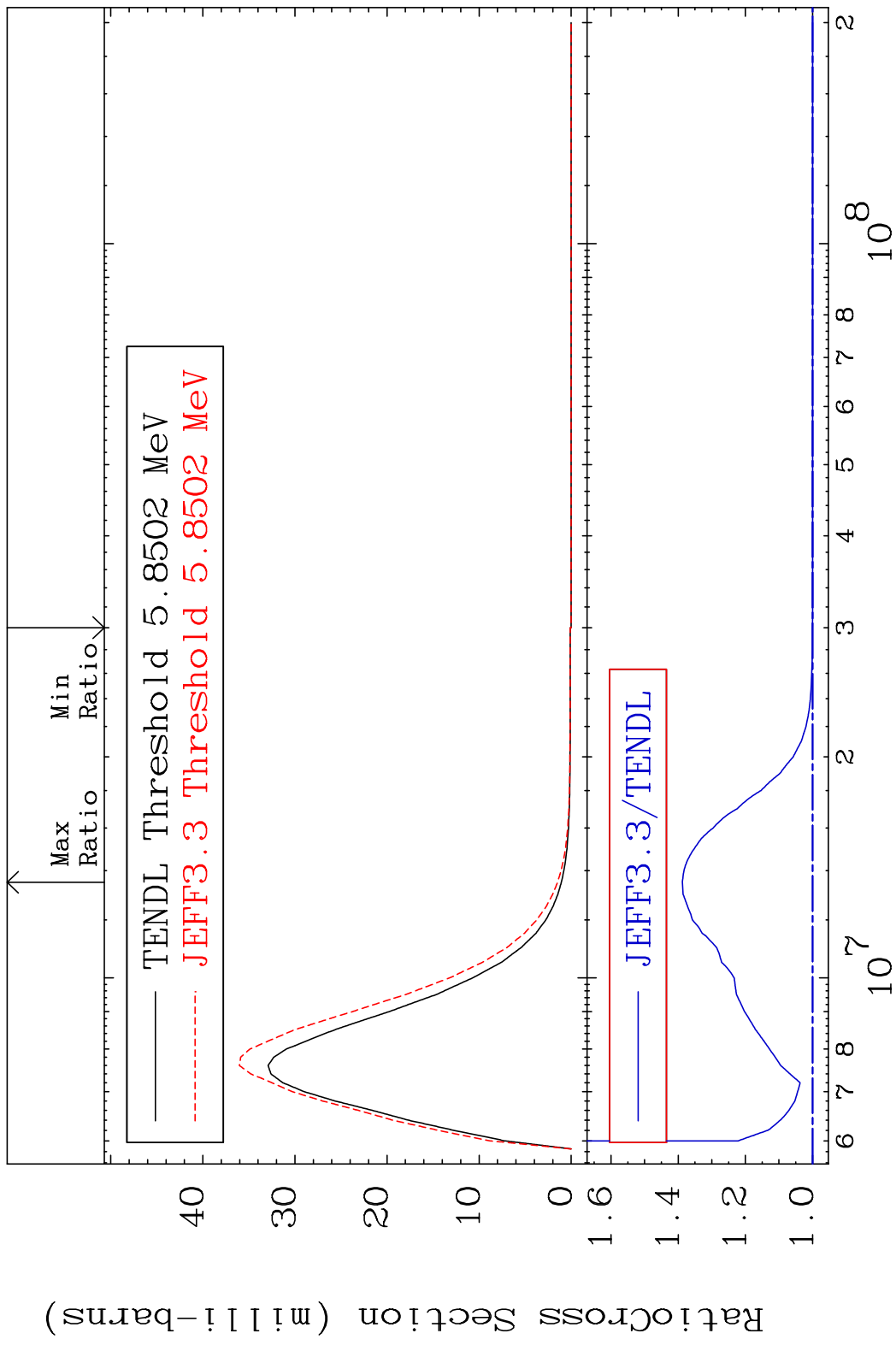
MAT 2049 MT= 61 (n,n') Level 20-Ca-48
 Cross Section -13.14 To 37.60 %



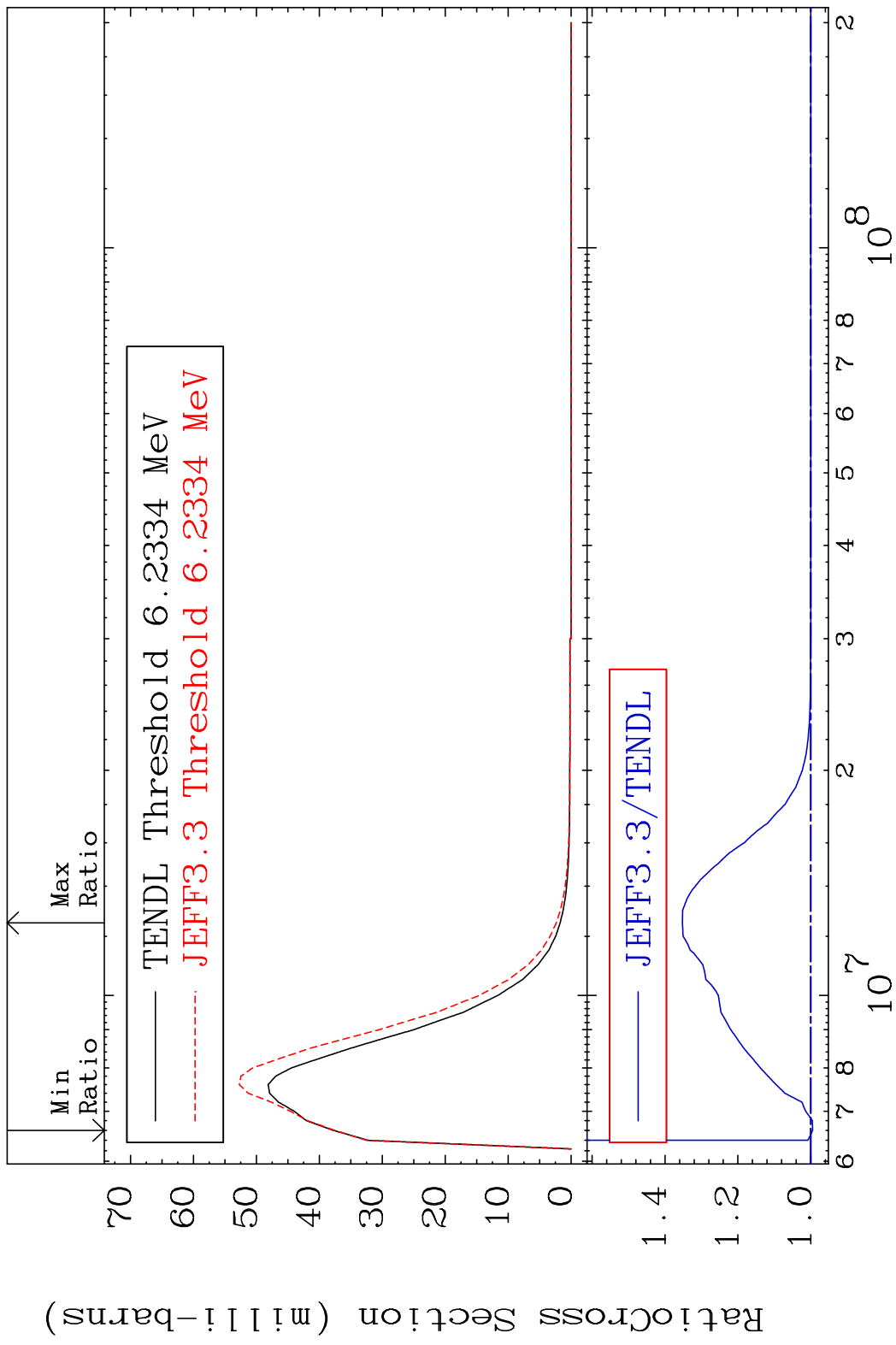
MAT 2049 MT= 62 (n, n') Level 20-Ca-48
 Cross Section -1.825 To 53.92 %



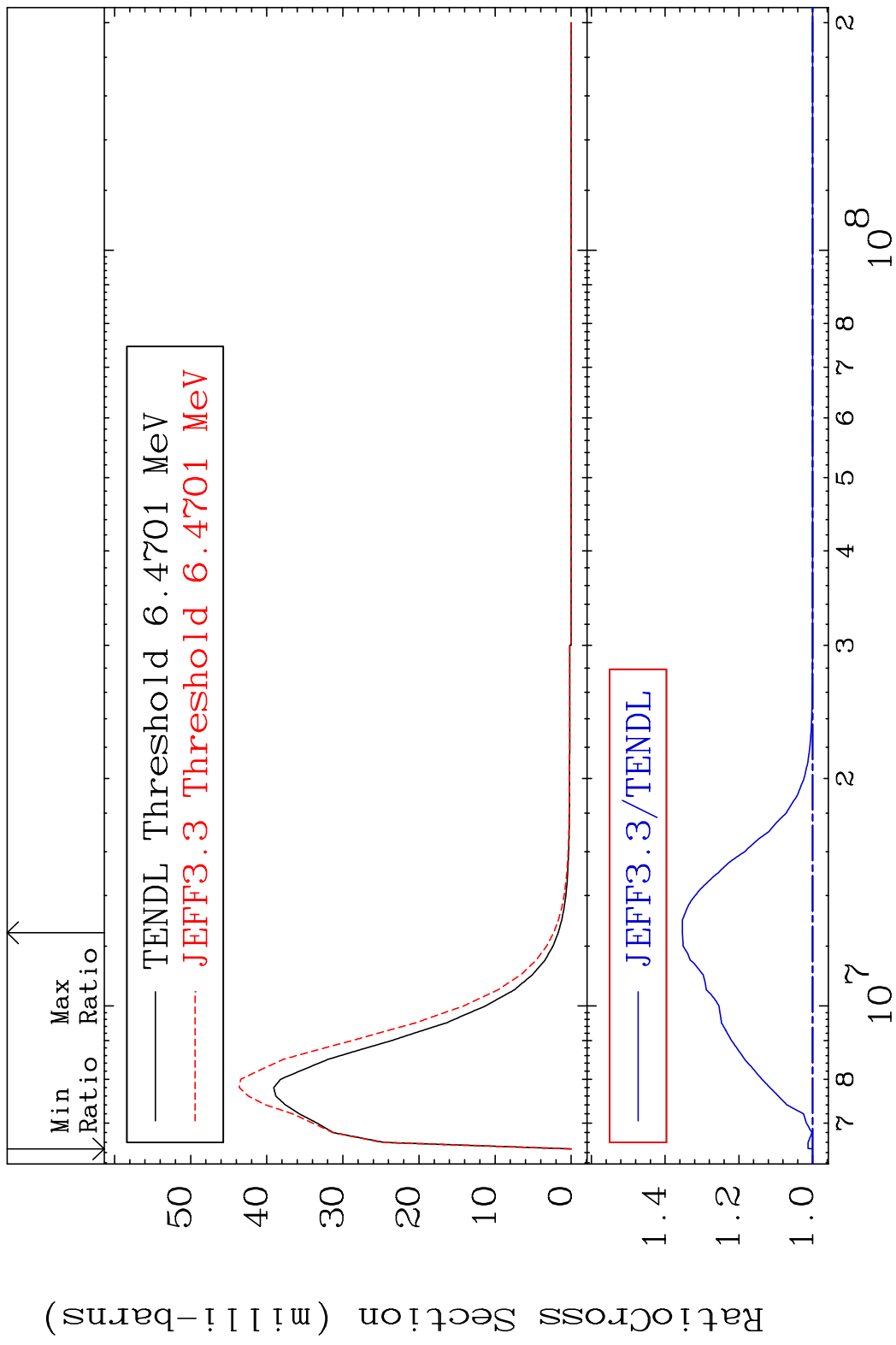
MAT 2049 MT= 63 (n,n') Level 20-Ca-48
 Cross Section 0.000 To 38.76 %



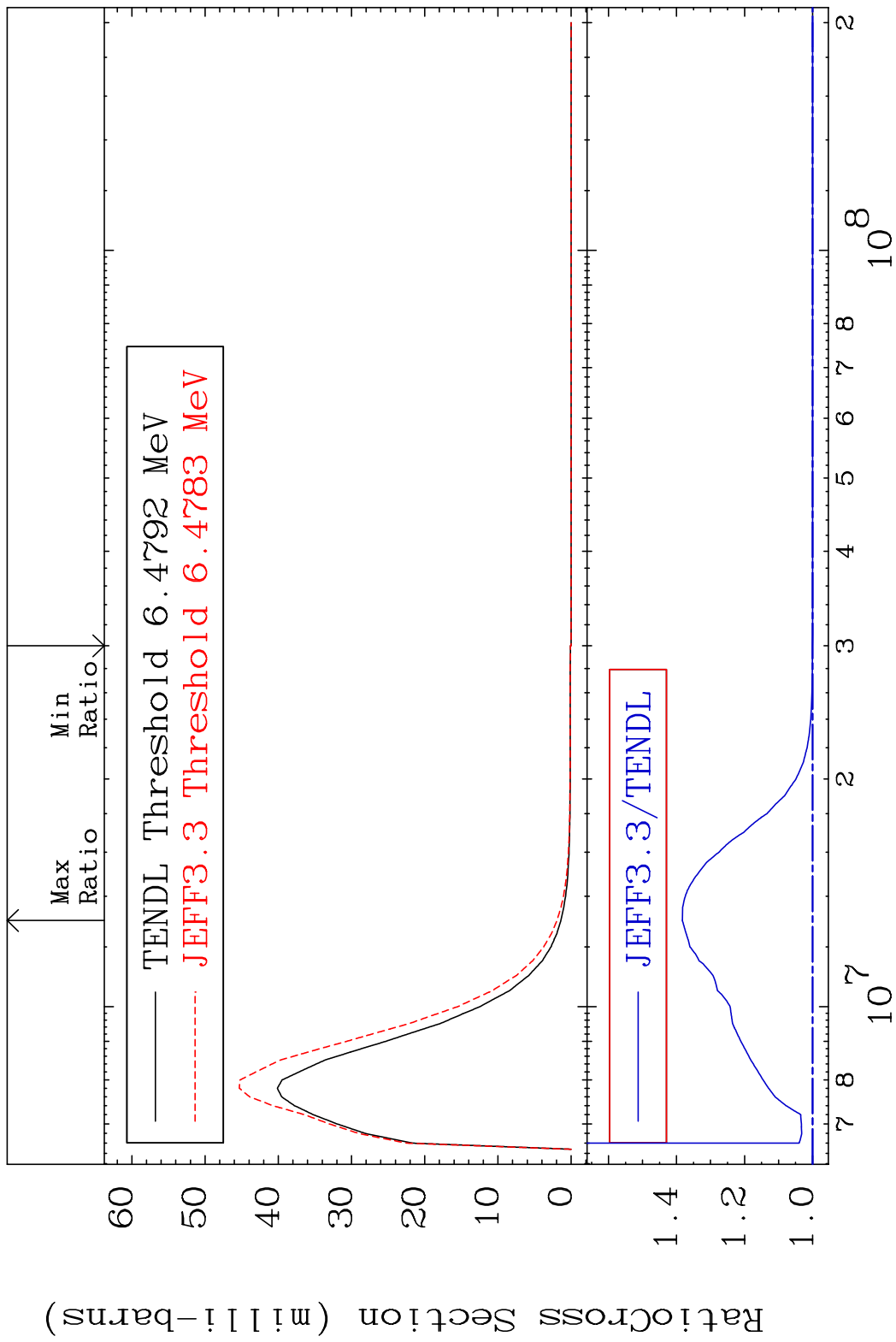
MAT 2049 MT= 64 (n,n') Level 20-Ca-48
 Cross Section -0.504 To 35.24 %



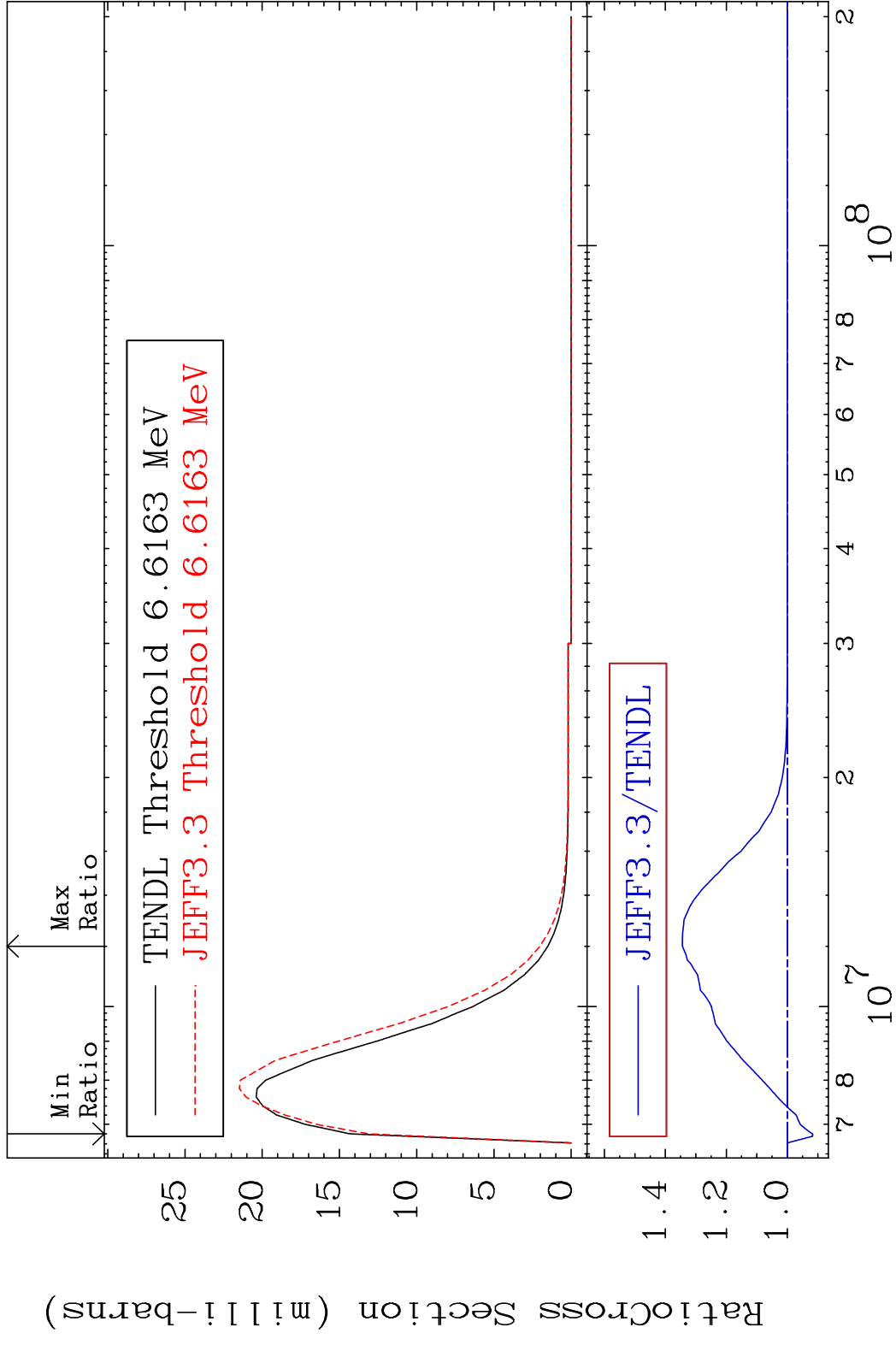
MAT 2049 MT= 65 (n,n') Level 20-Ca-48
 Cross Section 0.000 To 35.33 %



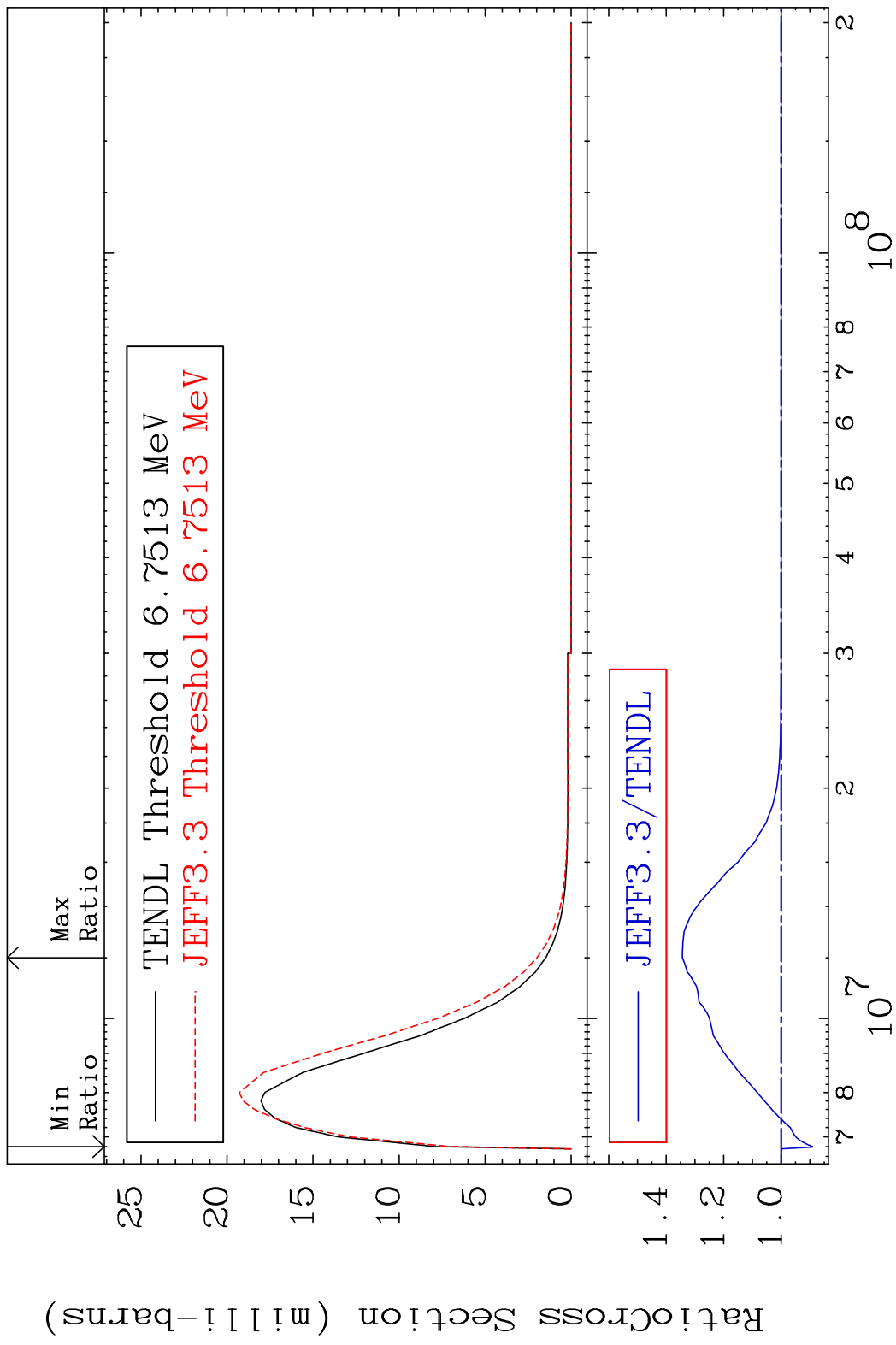
MAT 2049 MT= 66 (n,n') Level 20-Ca-48
 Cross Section 0.000 To 38.29 %



MAT 2049 MT= 67 (n,n') Level 20-Ca-48
 Cross Section -8.299 To 34.43 %

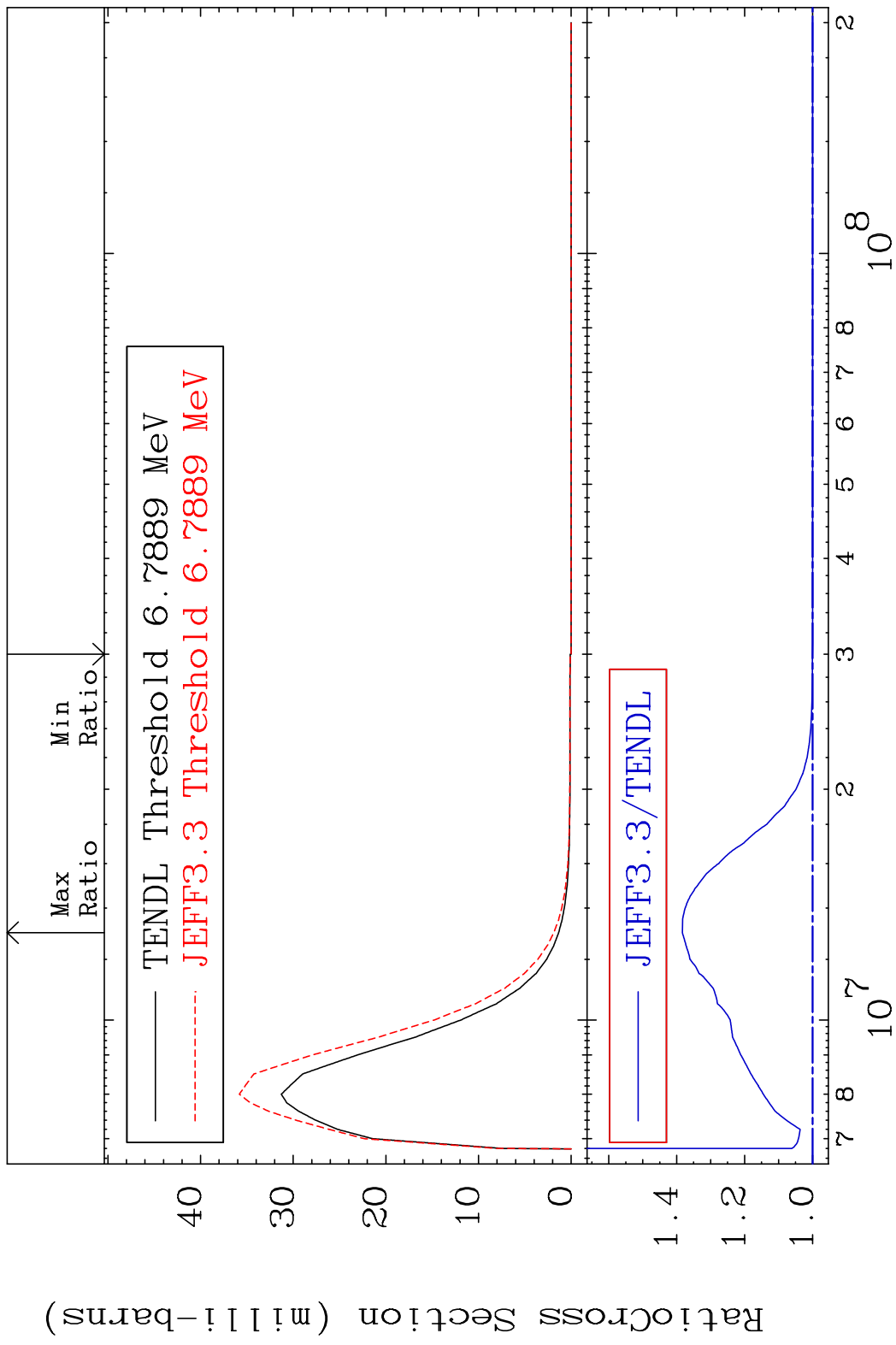


MAT 2049 MT= 68 (n,n') Level 20-Ca-48
 Cross Section -10.93 To 34.37 %

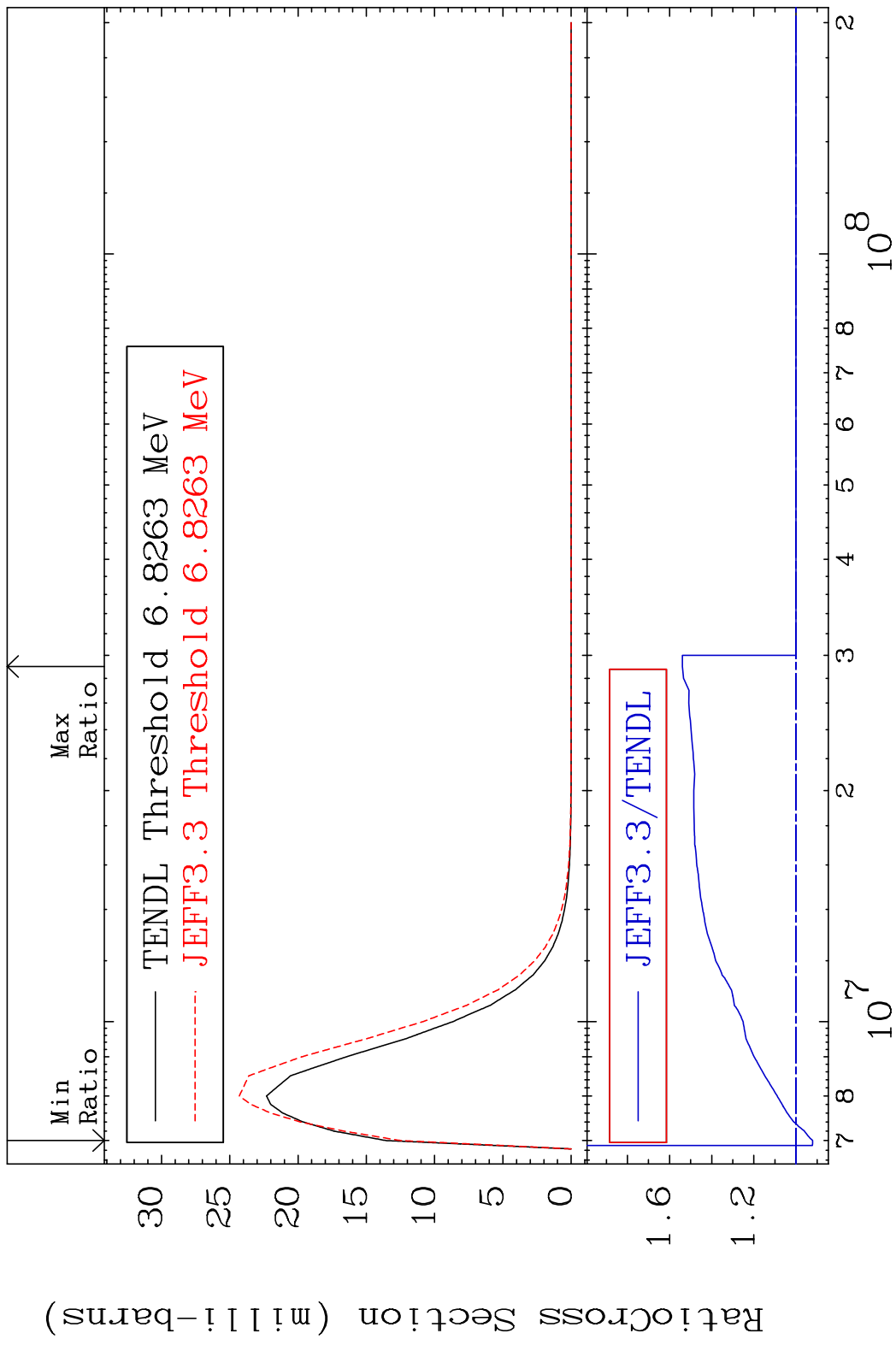


30 20-Ca-48

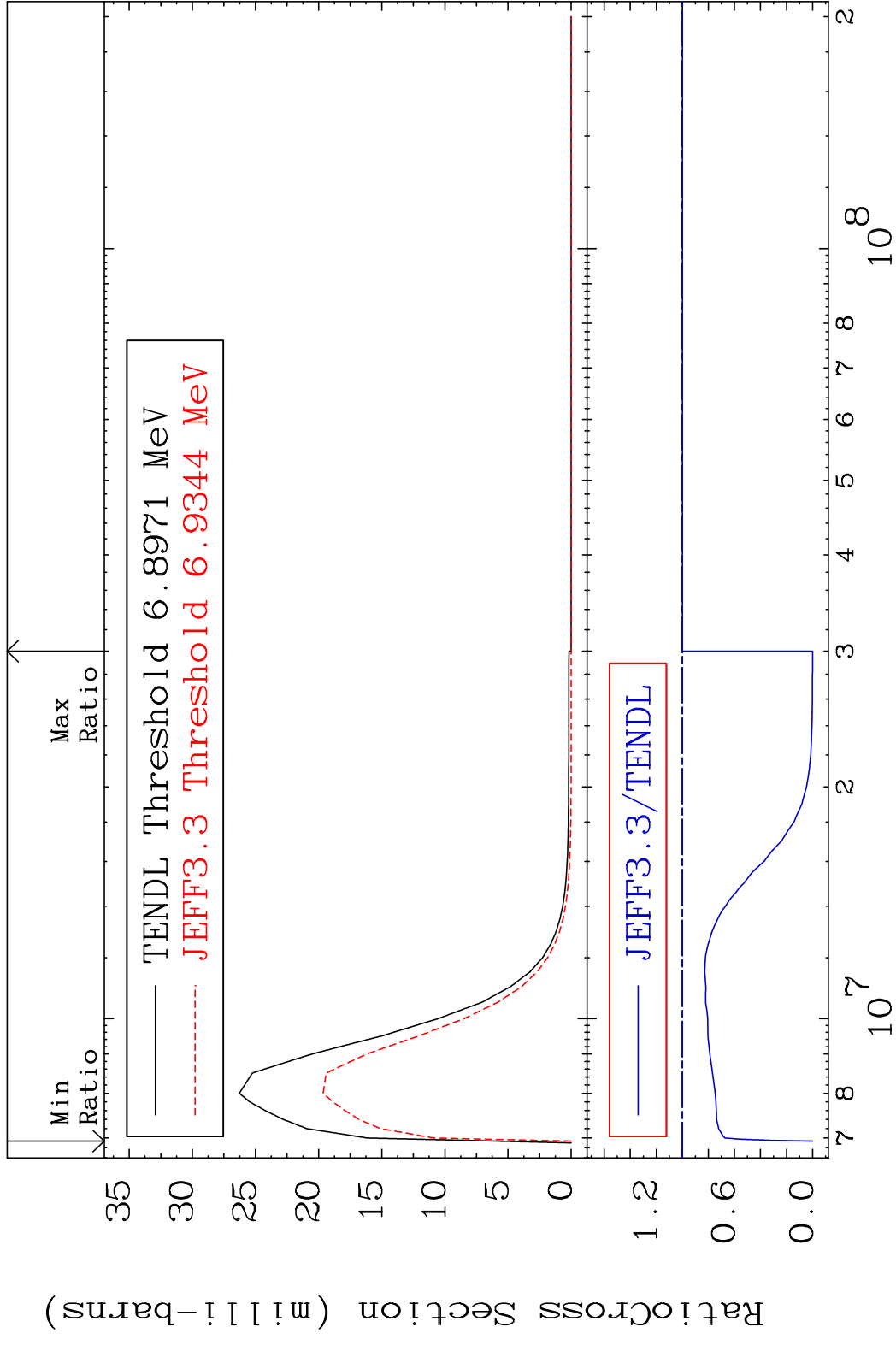
MAT 2049 MT= 69 (n,n') Level 20-Ca-48
 Cross Section 0.000 To 38.33 %



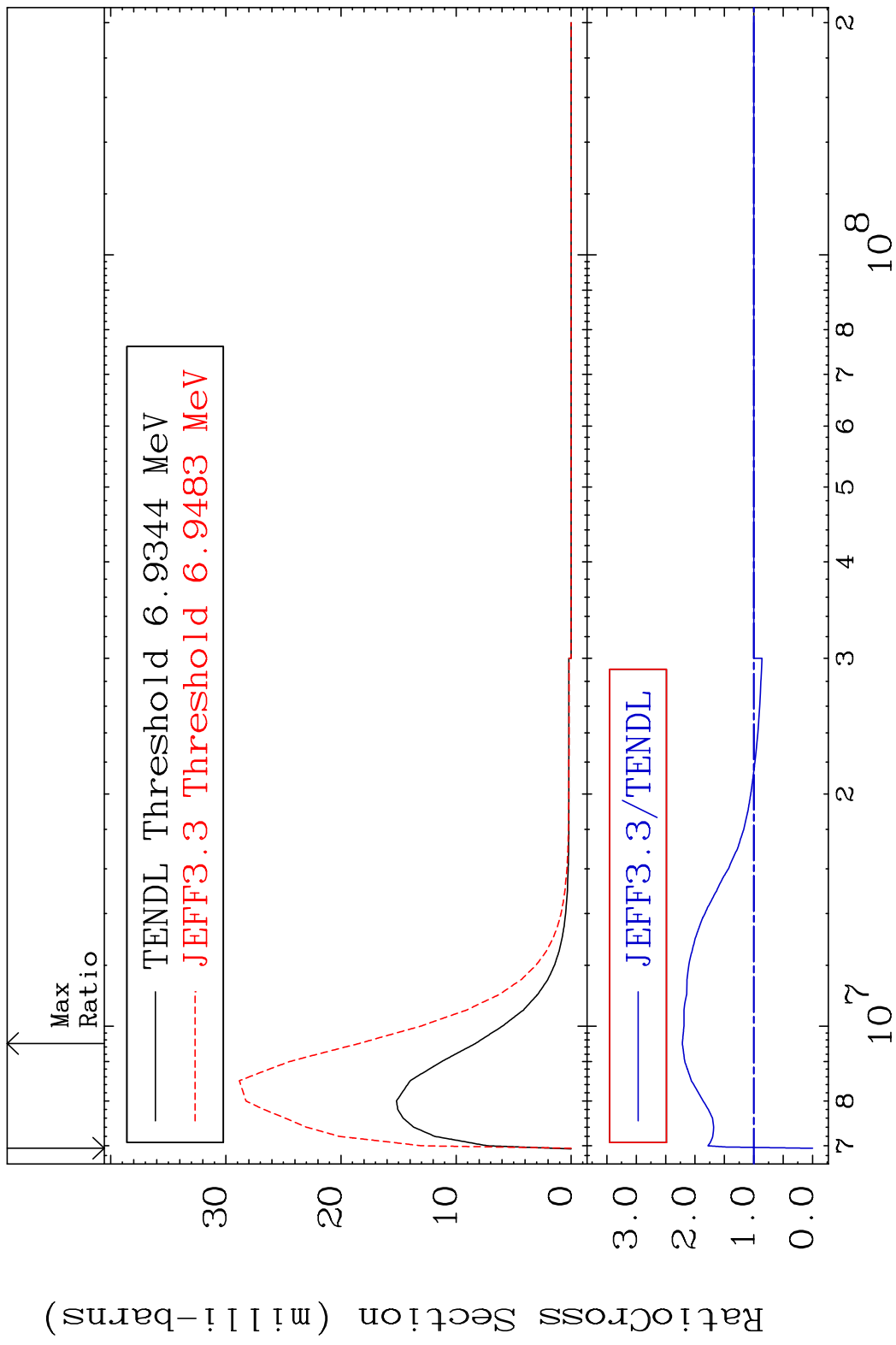
MAT 2049 MT= 70 (n, n') Level 20-Ca-48
 Cross Section -7.854 To 53.93 %



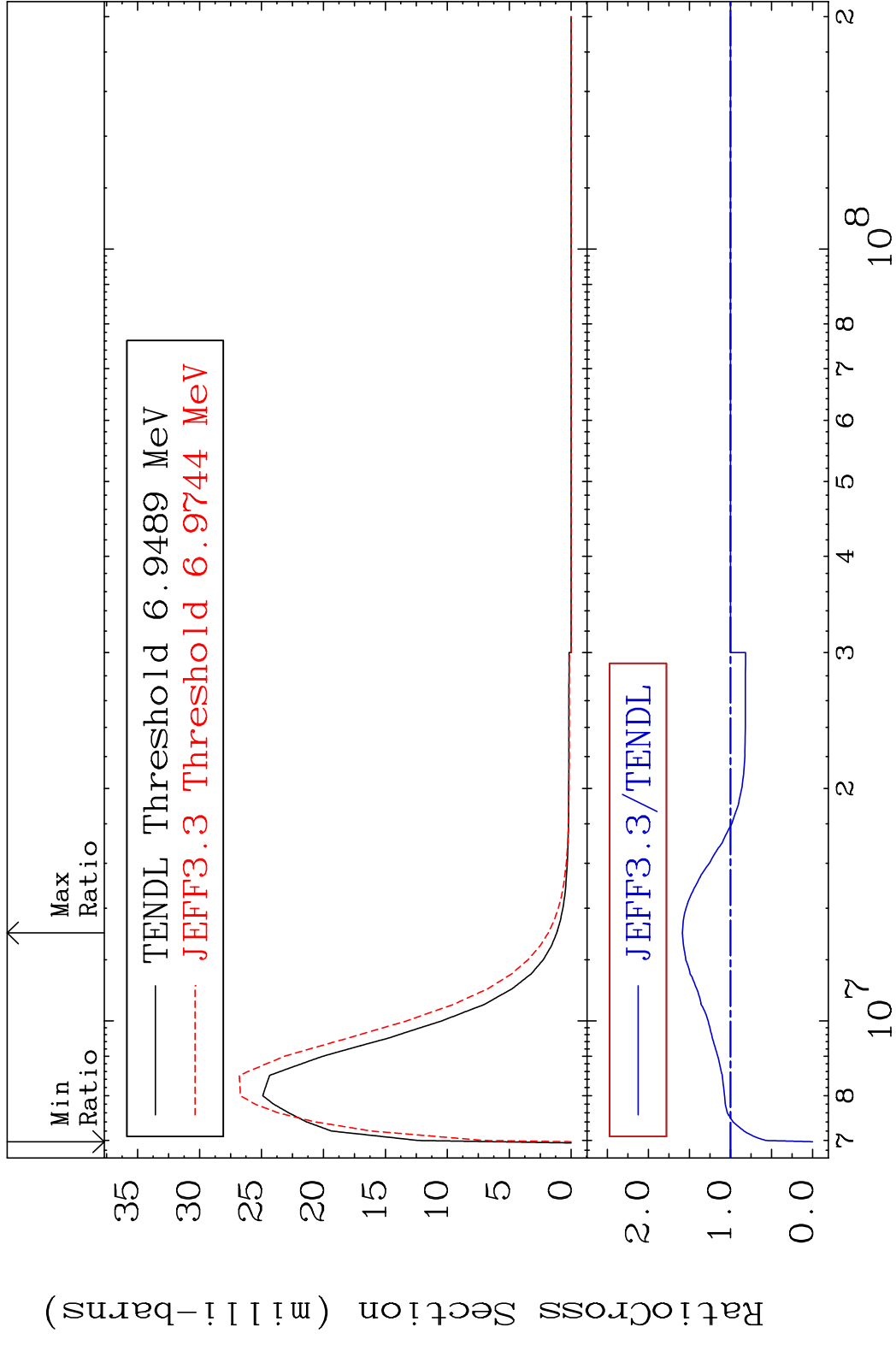
MAT 2049 MT= 71 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 0.000 %



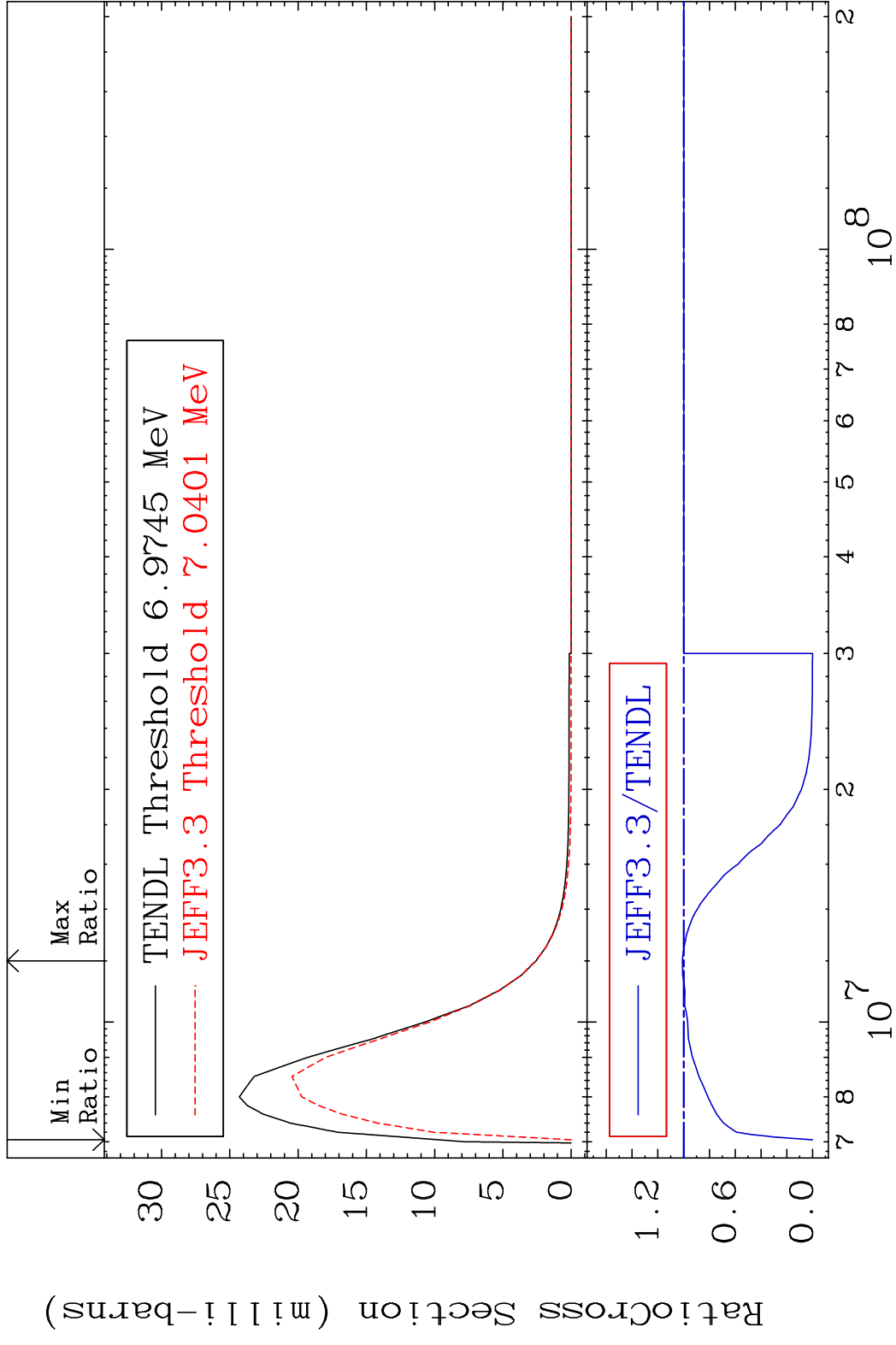
MAT 2049 MT= 72 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 121.6 %



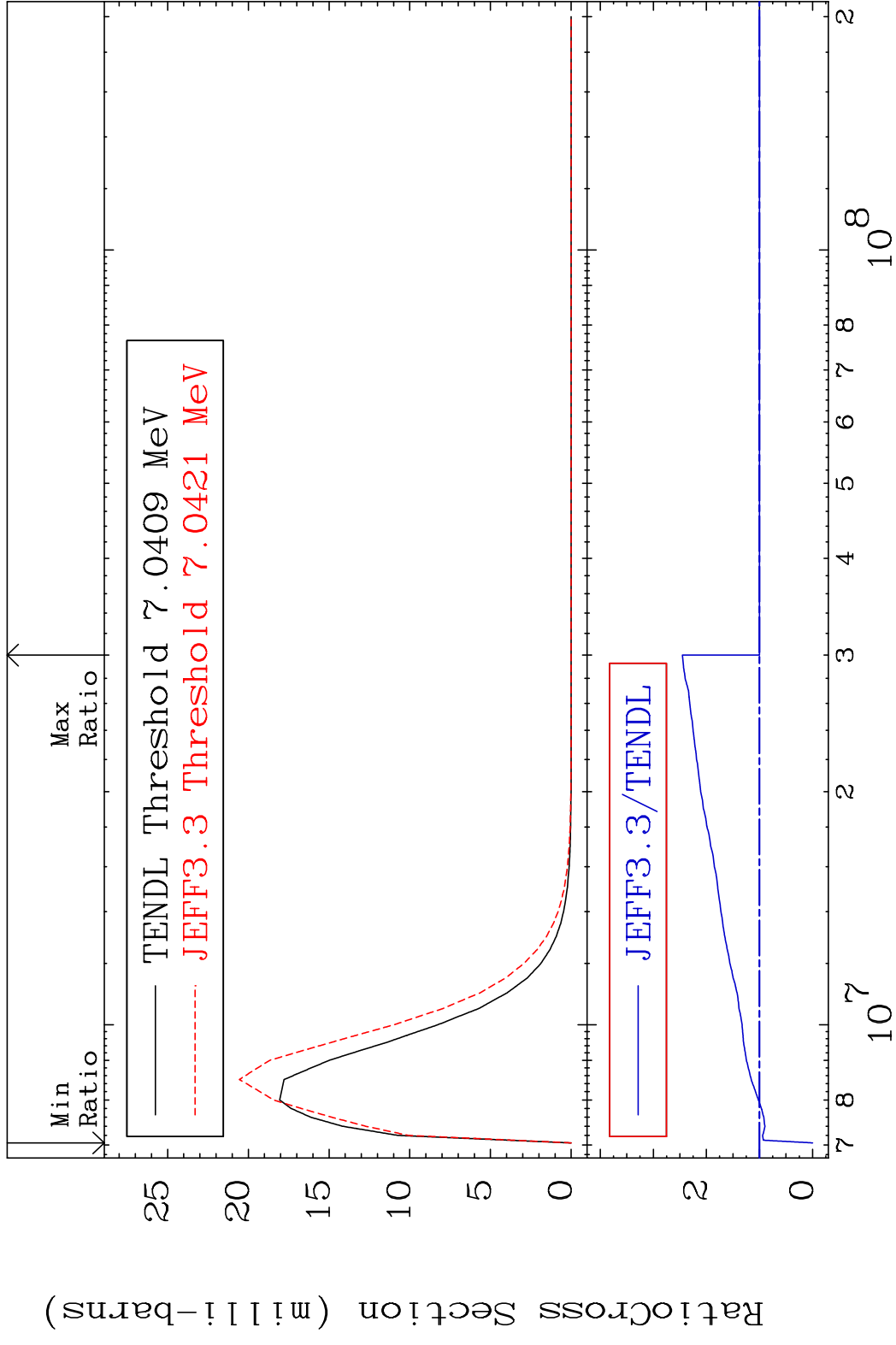
MAT 2049 MT= 73 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 58.56 %



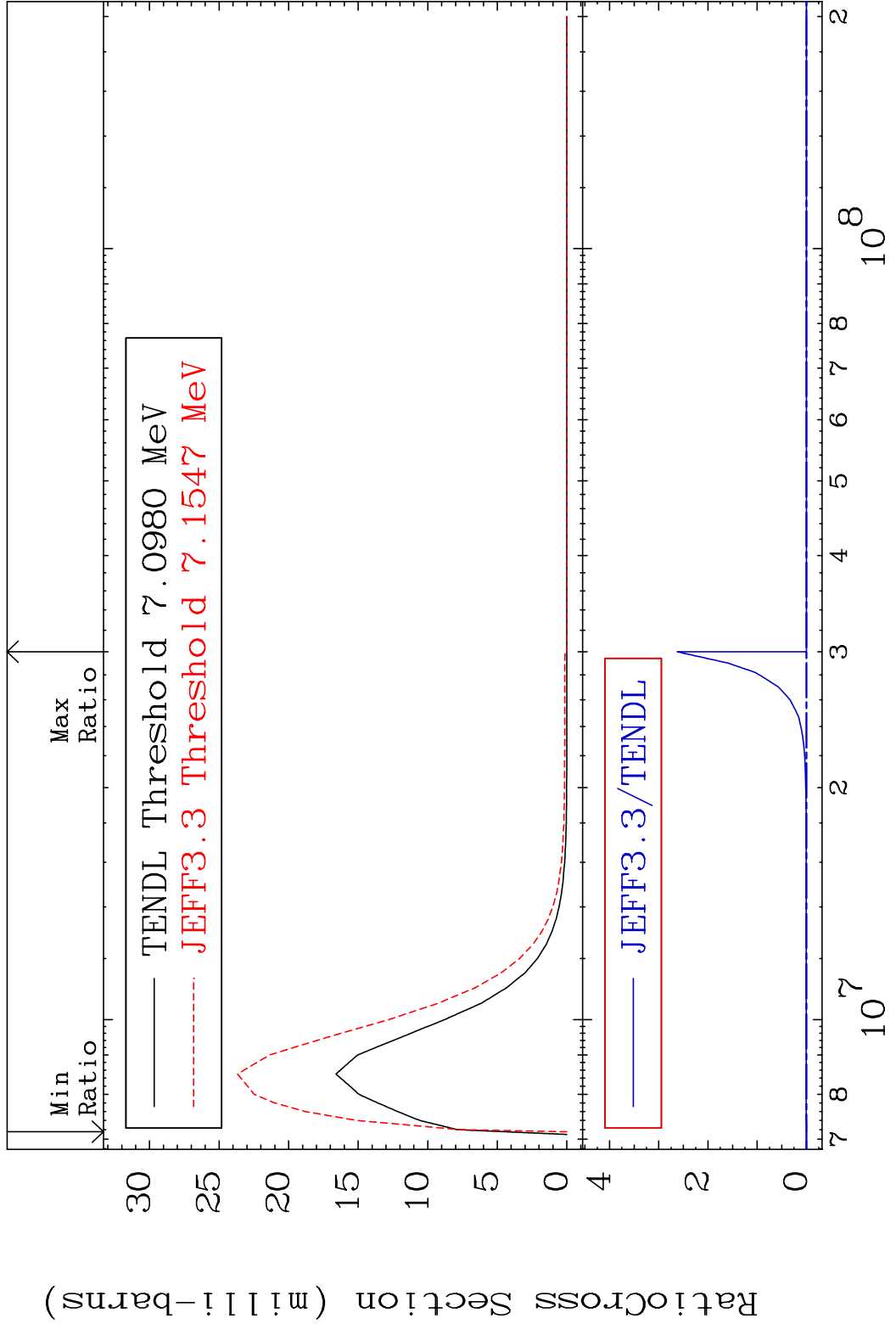
MAT 2049 MT= 74 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 1.004 %



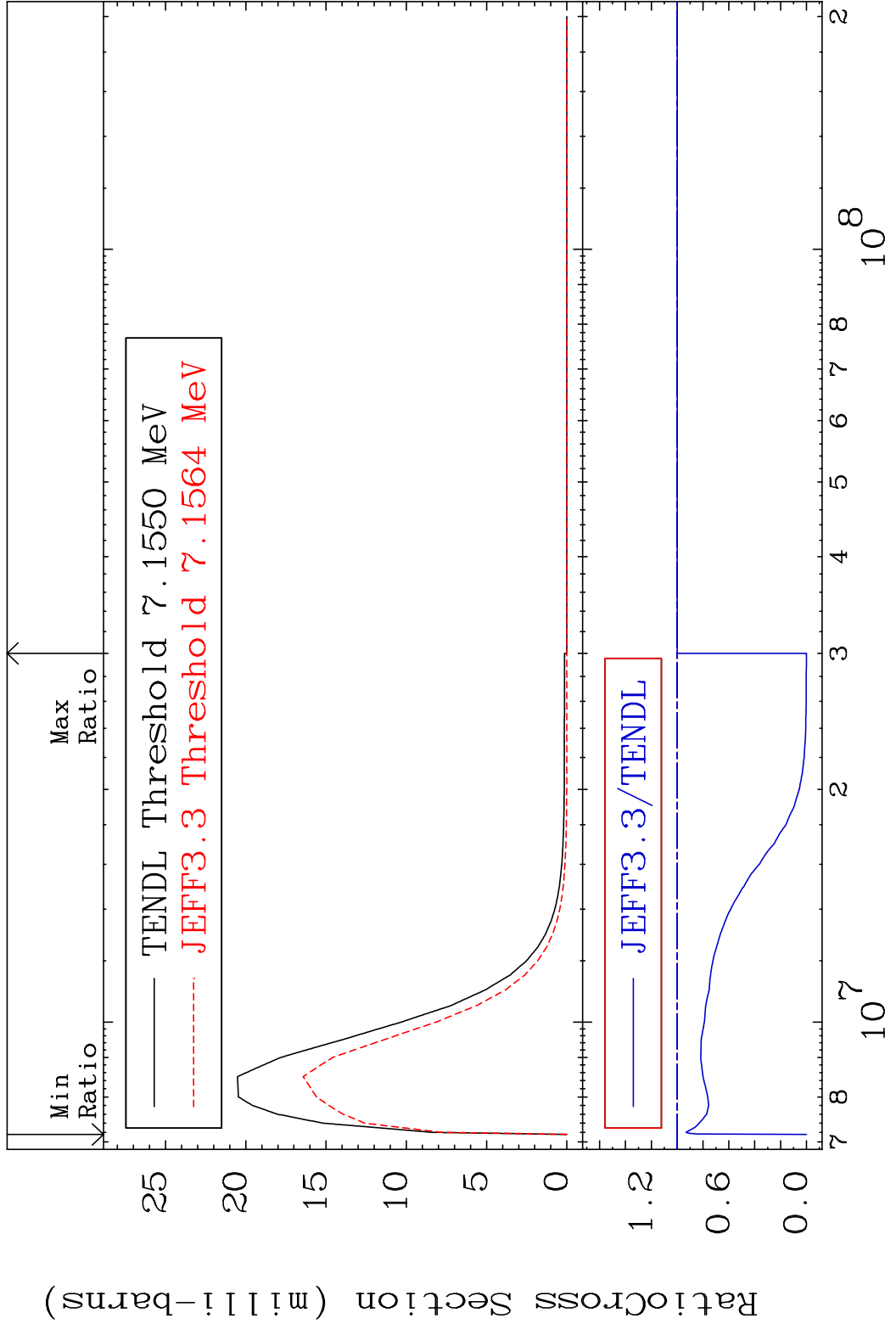
MAT 2049 MT= 75 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 145.3 %



MAT 2049 MT= 76 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %

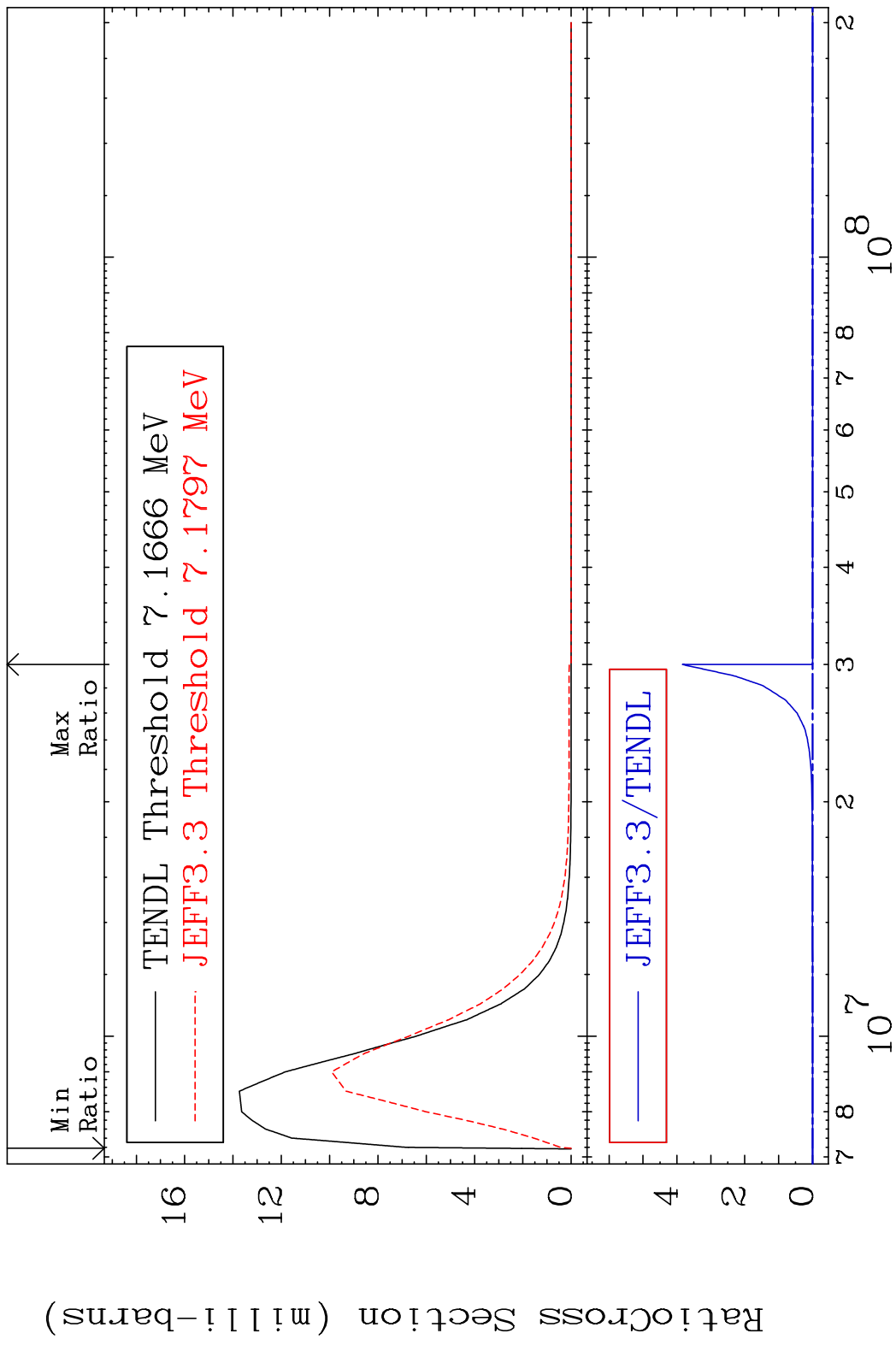


MAT 2049 MT= 77 (n,n') Level 20-Ca-48
 Cross Section -100.0 To 0.000 %



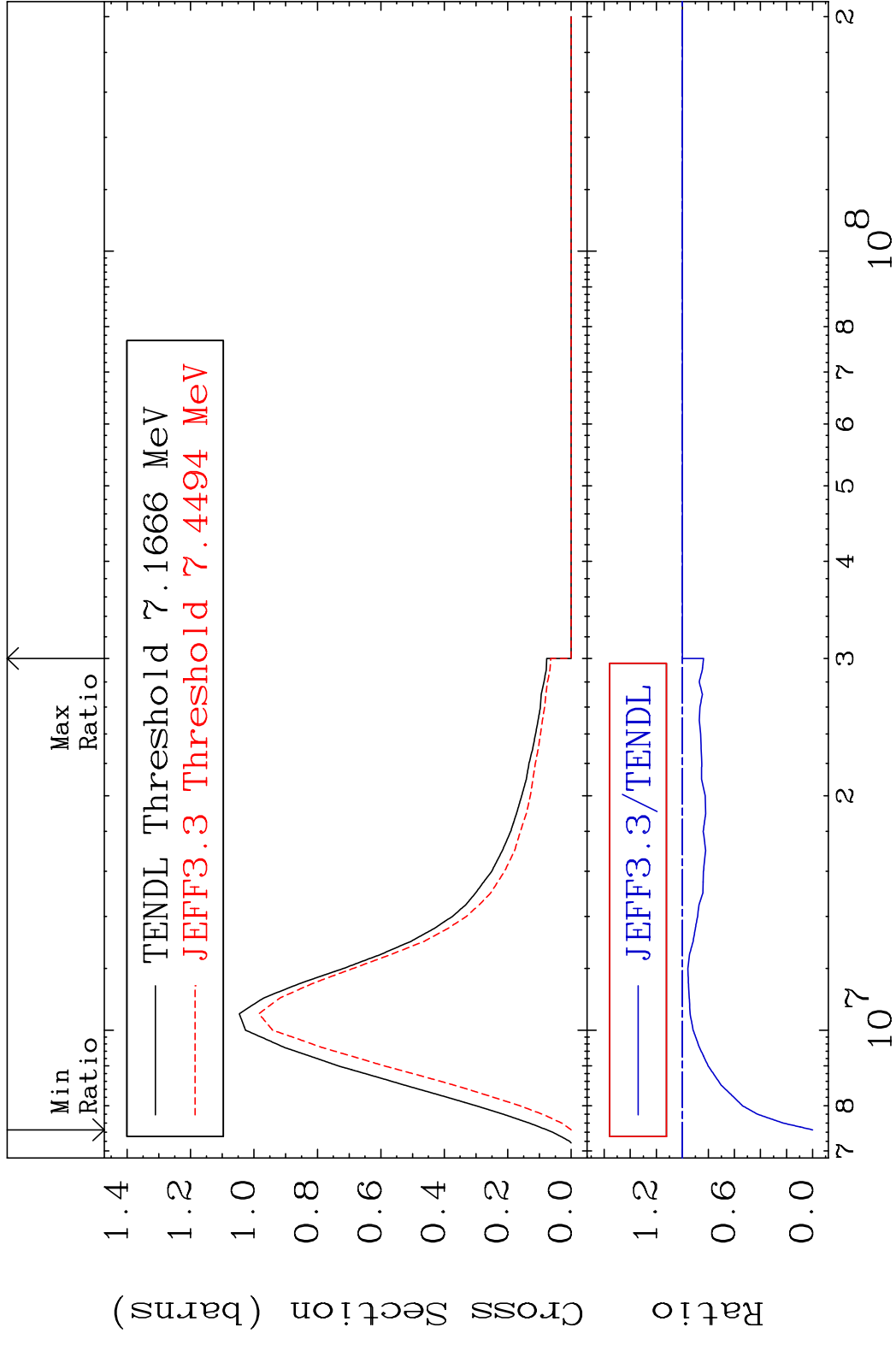
39 Incident Energy (eV) 20-Ca-48

MAT 2049 MT= 78 (n, n') Level 20-Ca-48
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 20-Ca-48

MAT 2049 (n,n') Continuum 20-Ca-48
 Cross Section -100.0 To 0.000 %

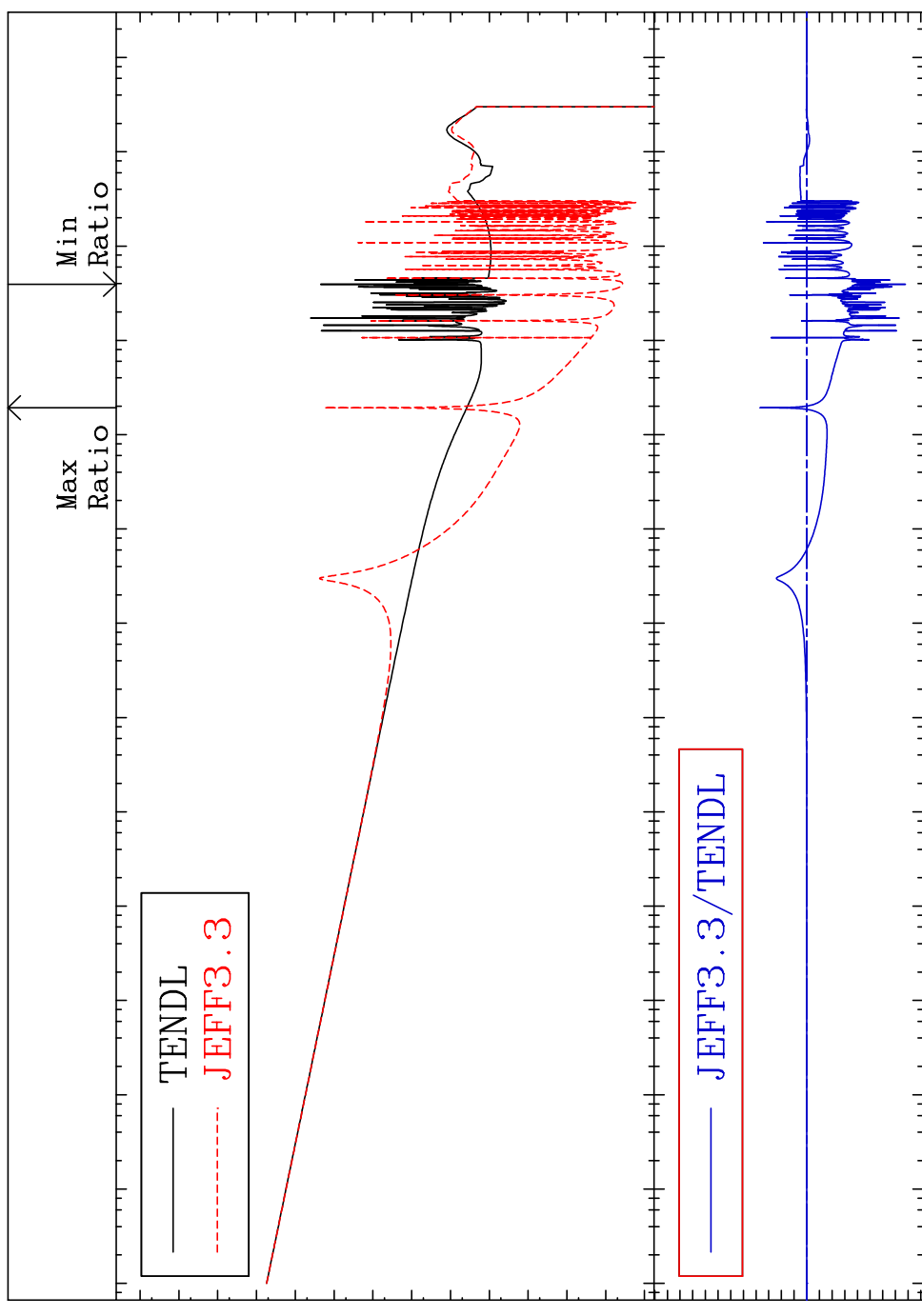


MAT 2049

(n, γ)

20-Ca-48

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

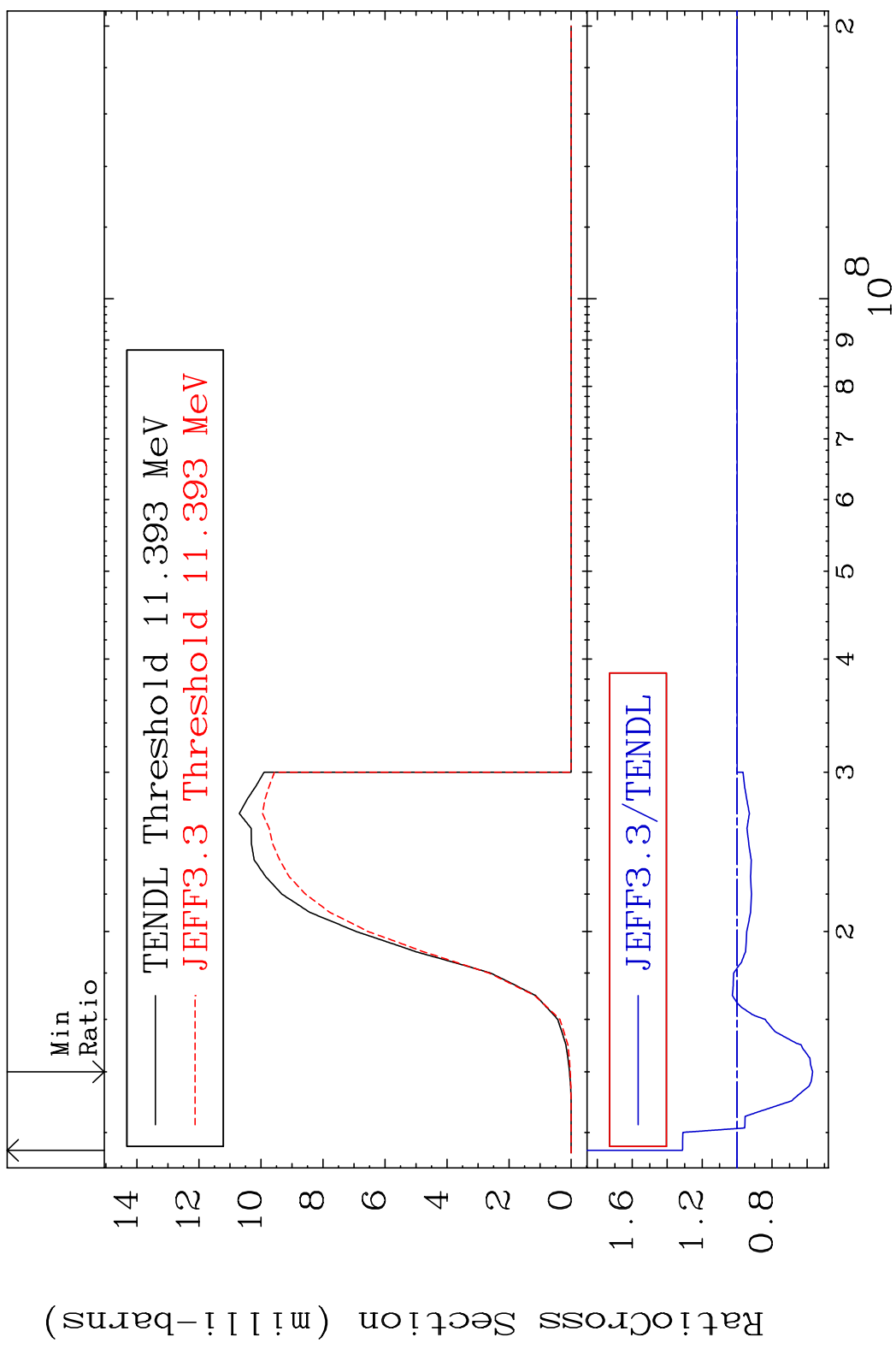
20-Ca-48

MAT 2049

(n, p)

20-Ca-48

Cross Section -43.14 To 31.34 %



43

Incident Energy (eV)

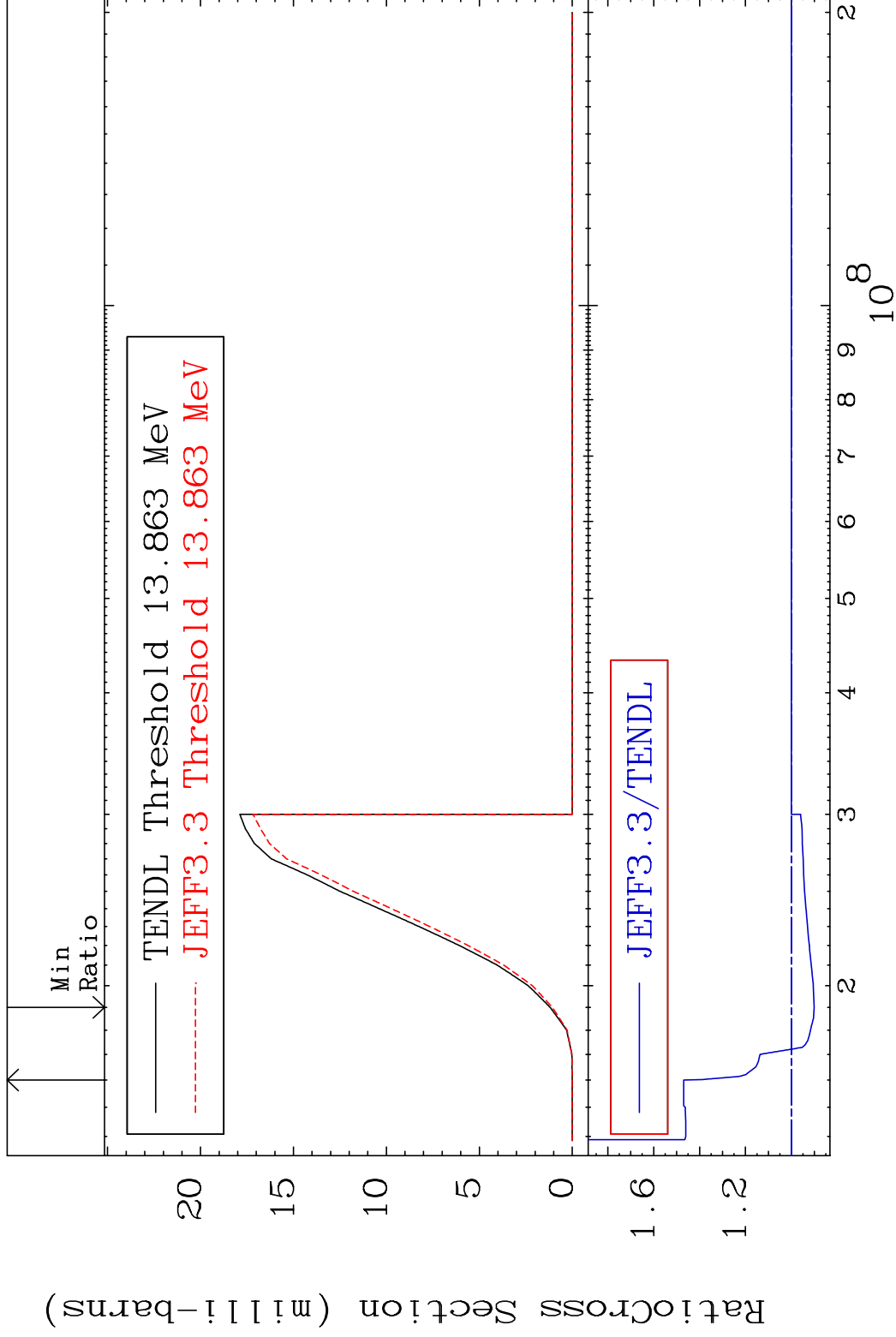
20-Ca-48

MAT 2049

(n, d)

20-Ca-48

Cross Section -9.883 To 46.93 %

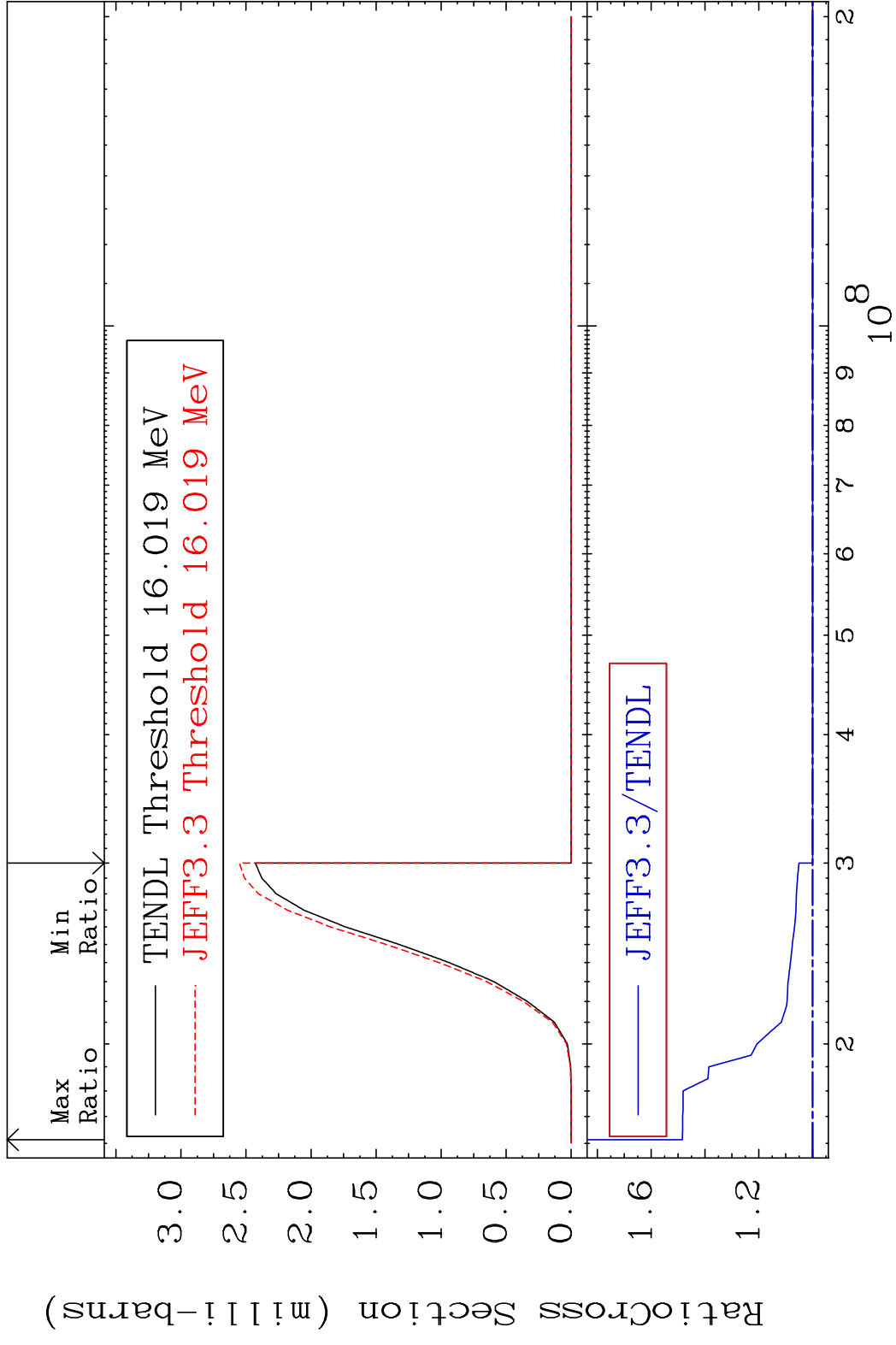


44

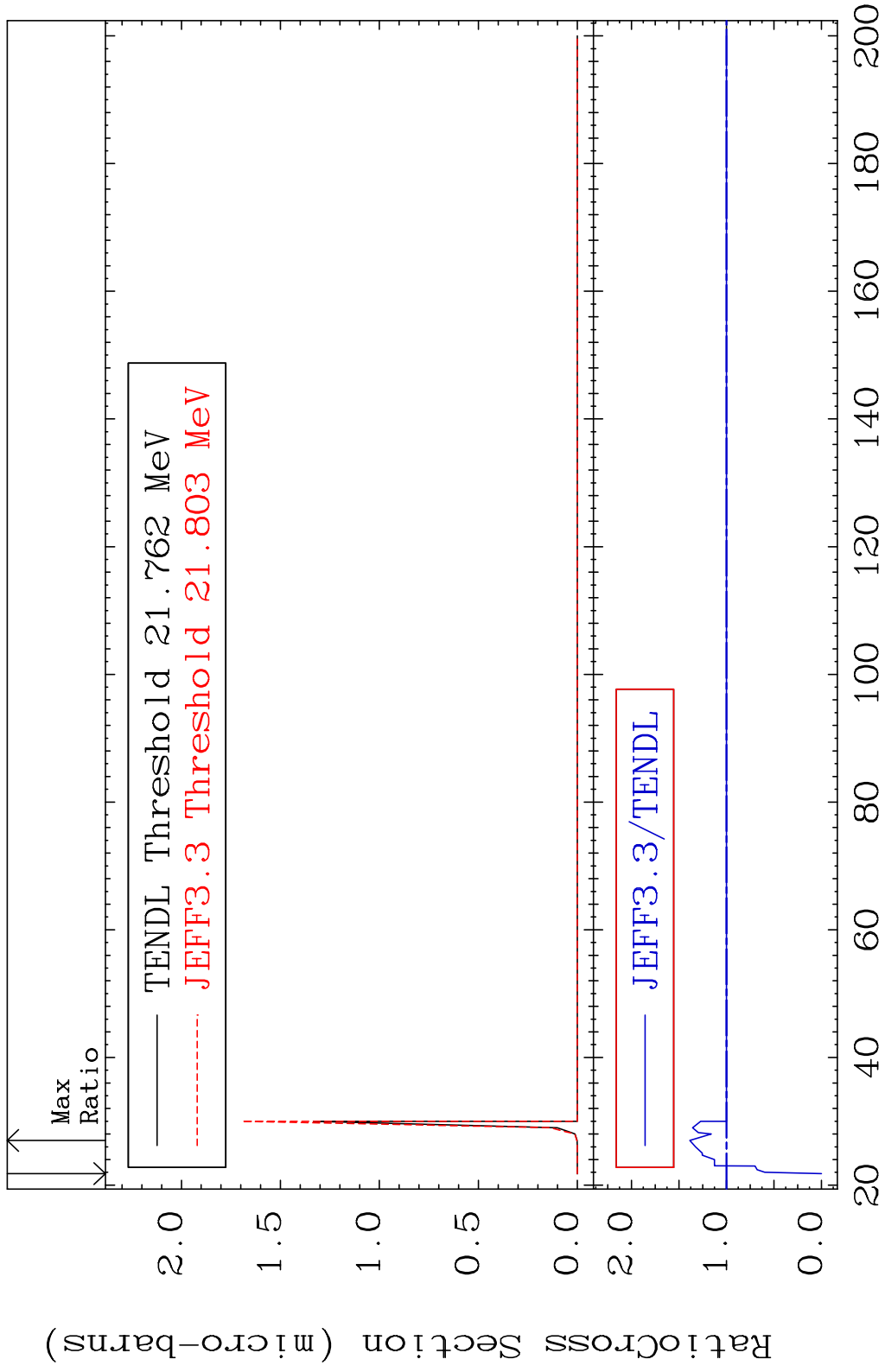
Incident Energy (eV)

20-Ca-48

MAT 2049 (n, t) Cross Section 0.000 To 48.41 % 20-Ca-48

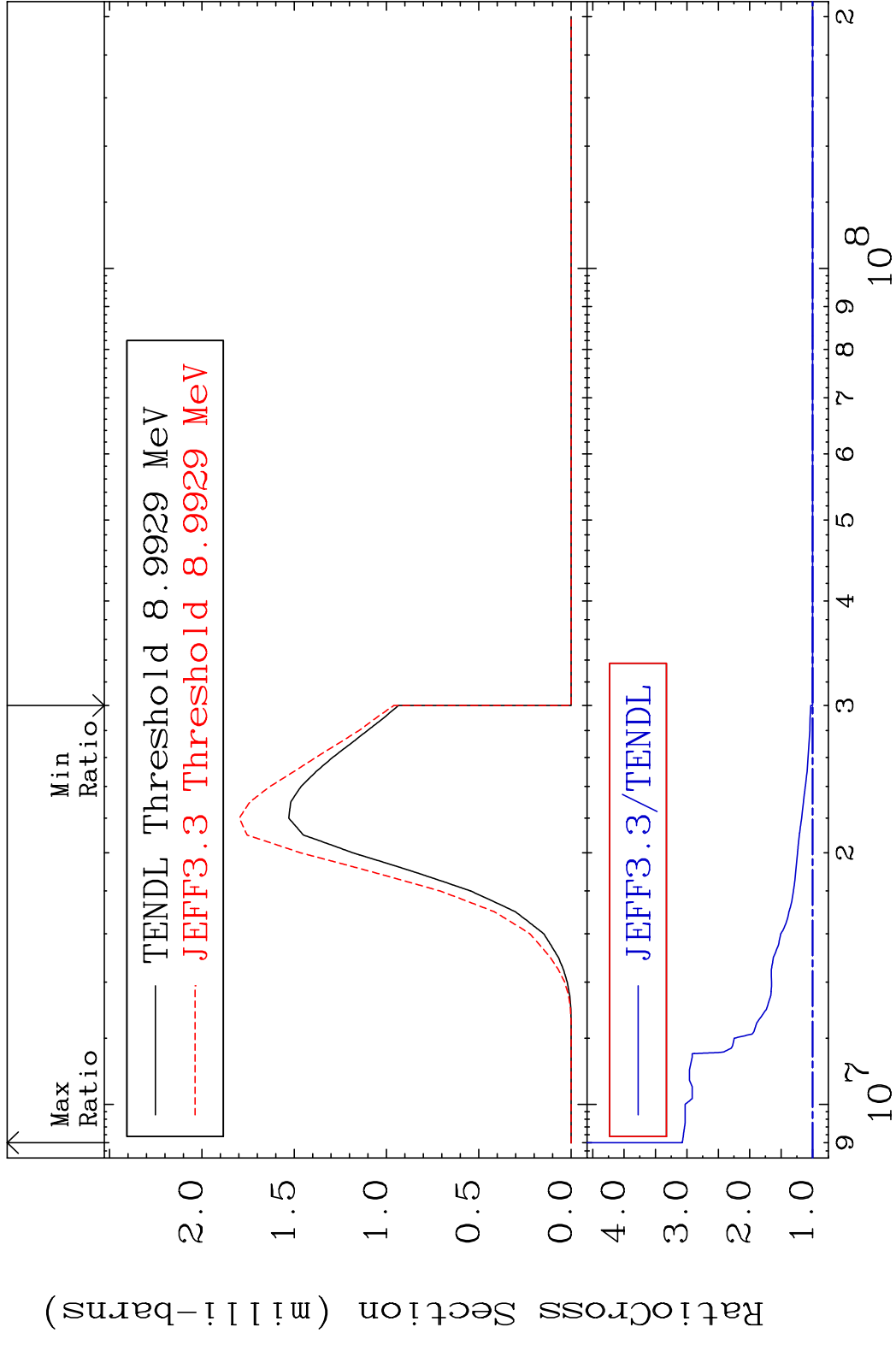


MAT 2049 (n, He-3) 20-Ca-48
Cross Section -100.0 To 38.59 %



46 20-Ca-48

MAT 2049 (n, α) 20-Ca-48
 Cross Section 0.000 To 207.3 %

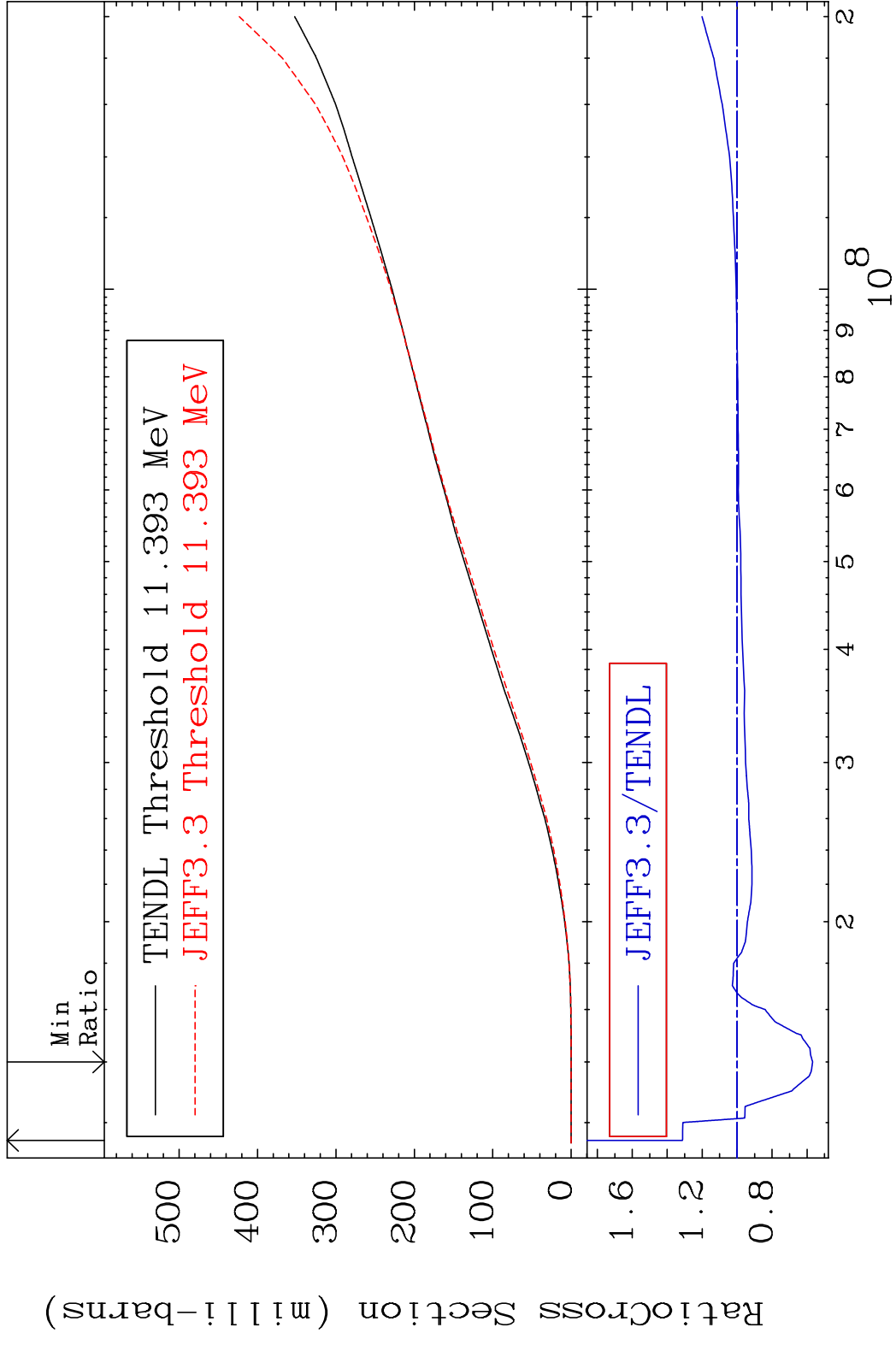


47 20-Ca-48

MAT 2049

Hydrogen Production
Cross Section -43.14 To 31.34 %

²⁰Ca-48

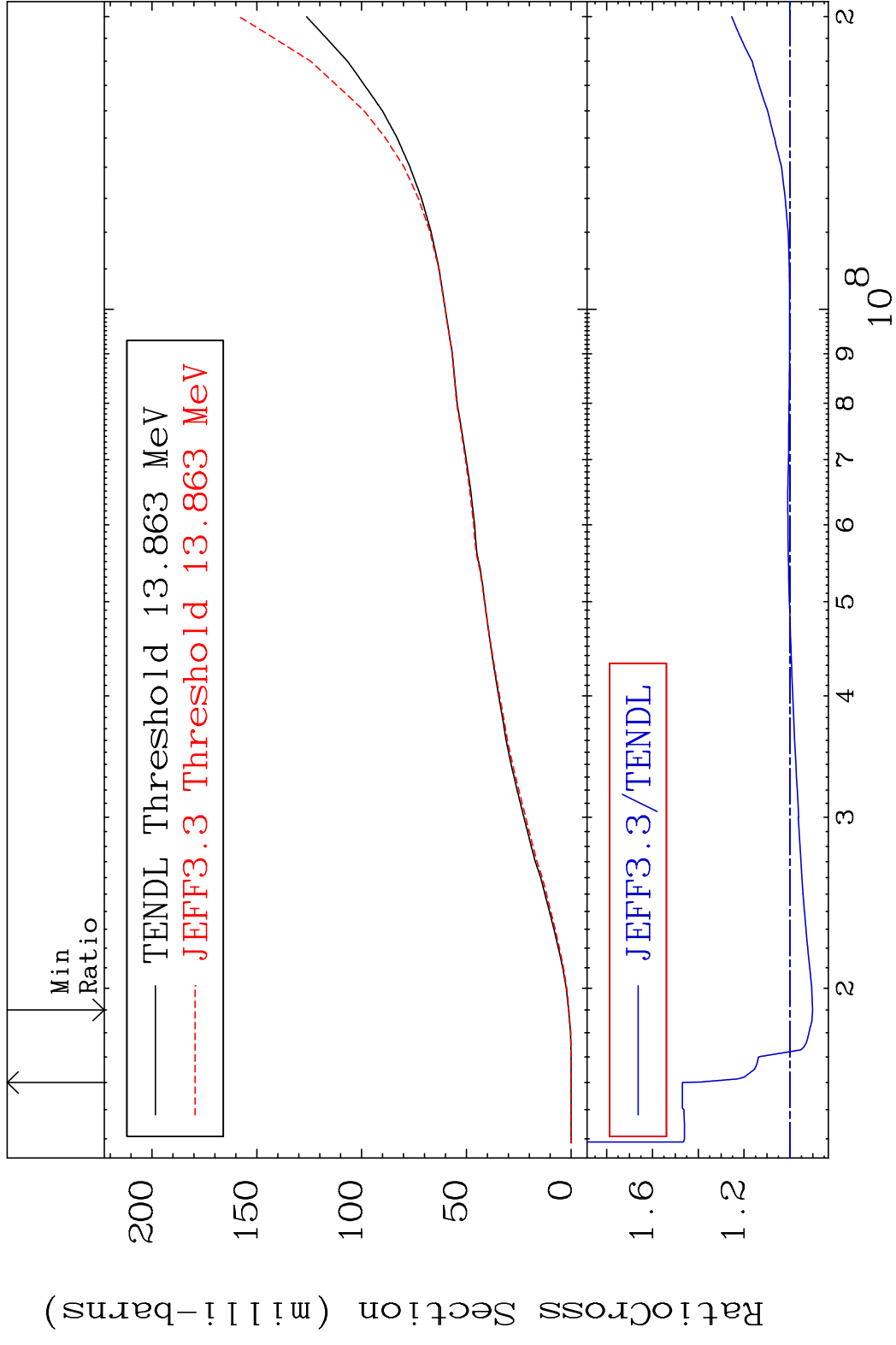


48

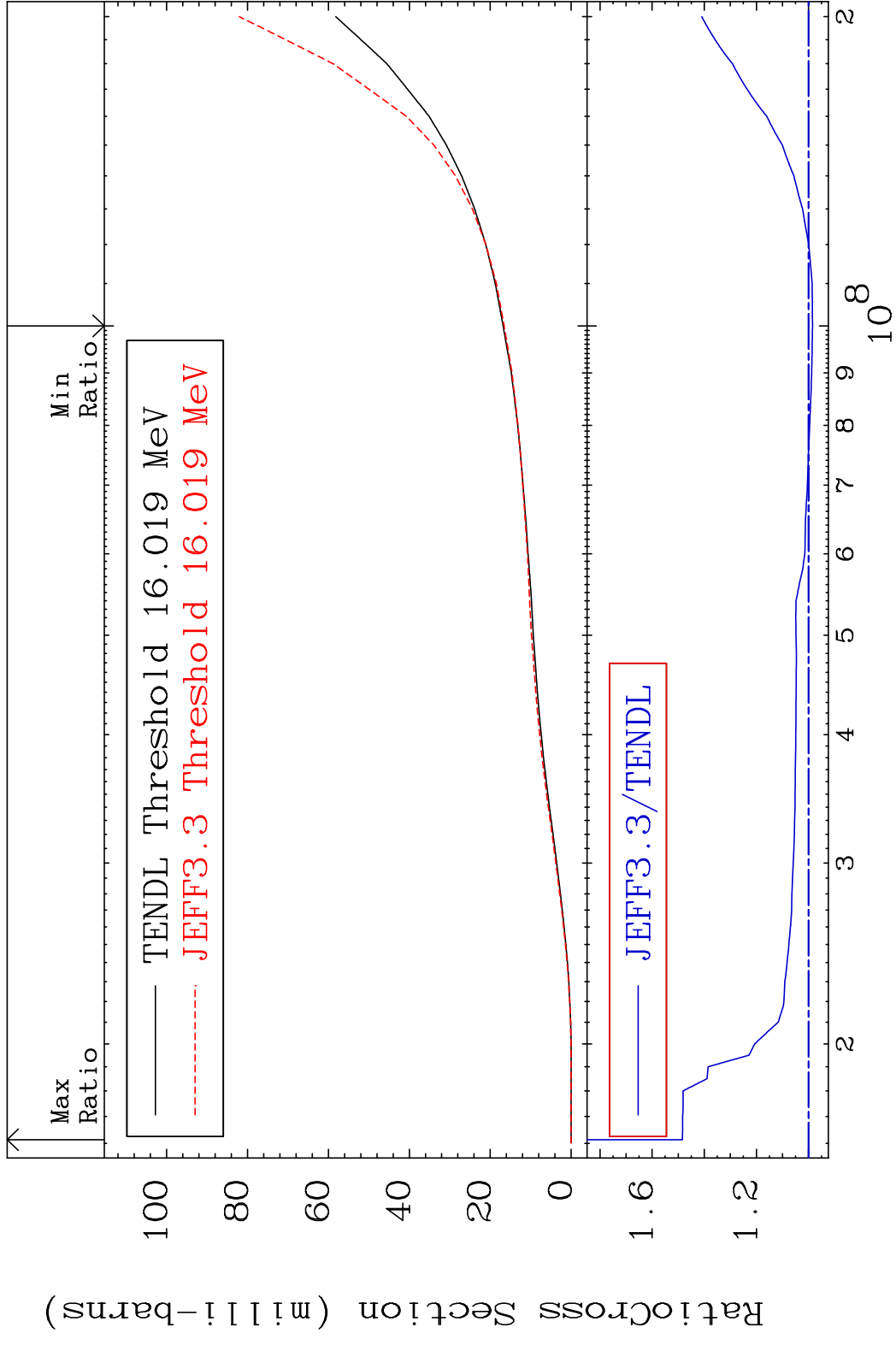
Incident Energy (eV)

²⁰Ca-48

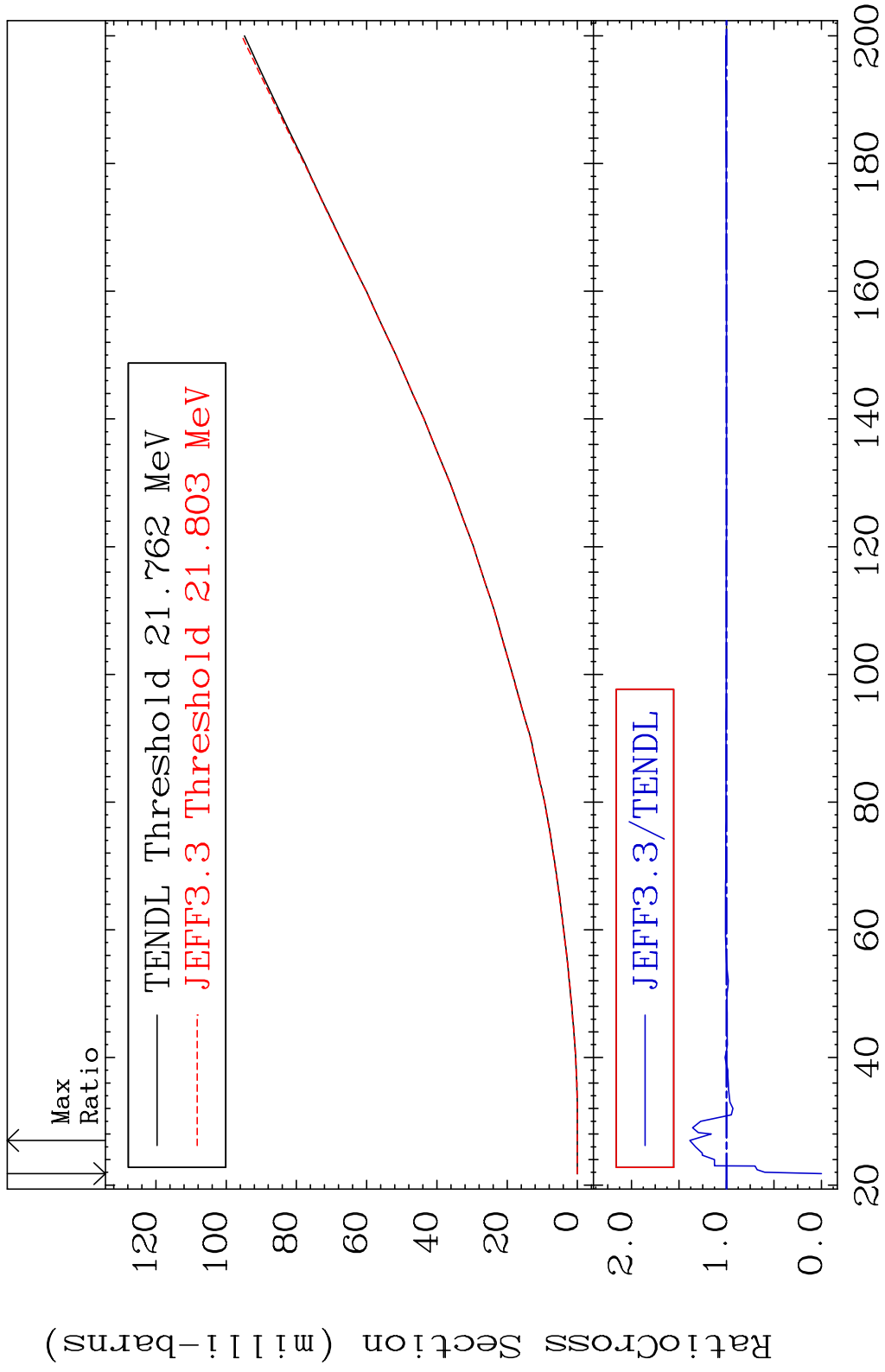
Cross Section -9.883 To 46.93 %



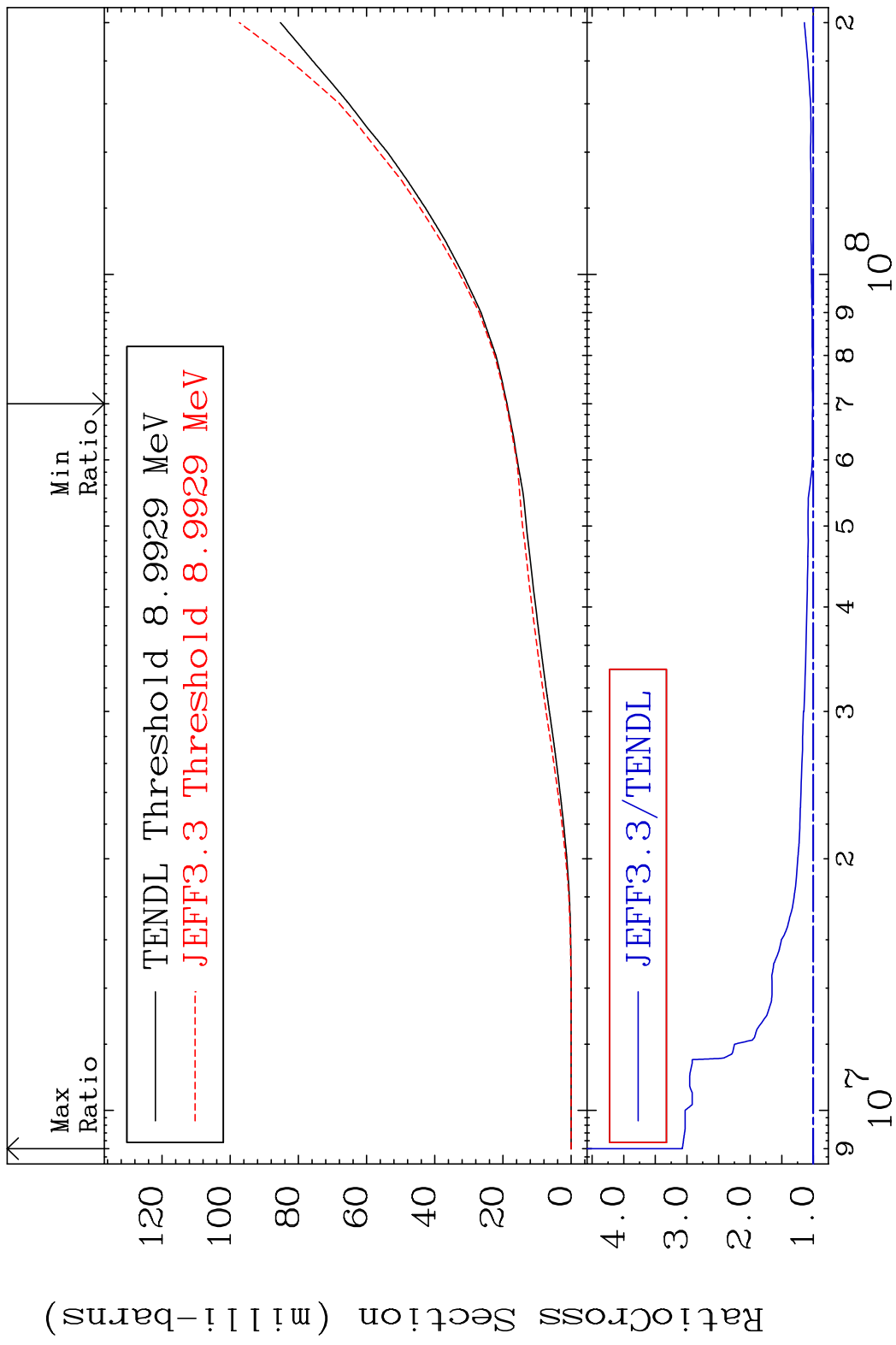
MAT 2049 Tritium Production 20-Ca-48
 Cross Section -1.535 To 48.41 %



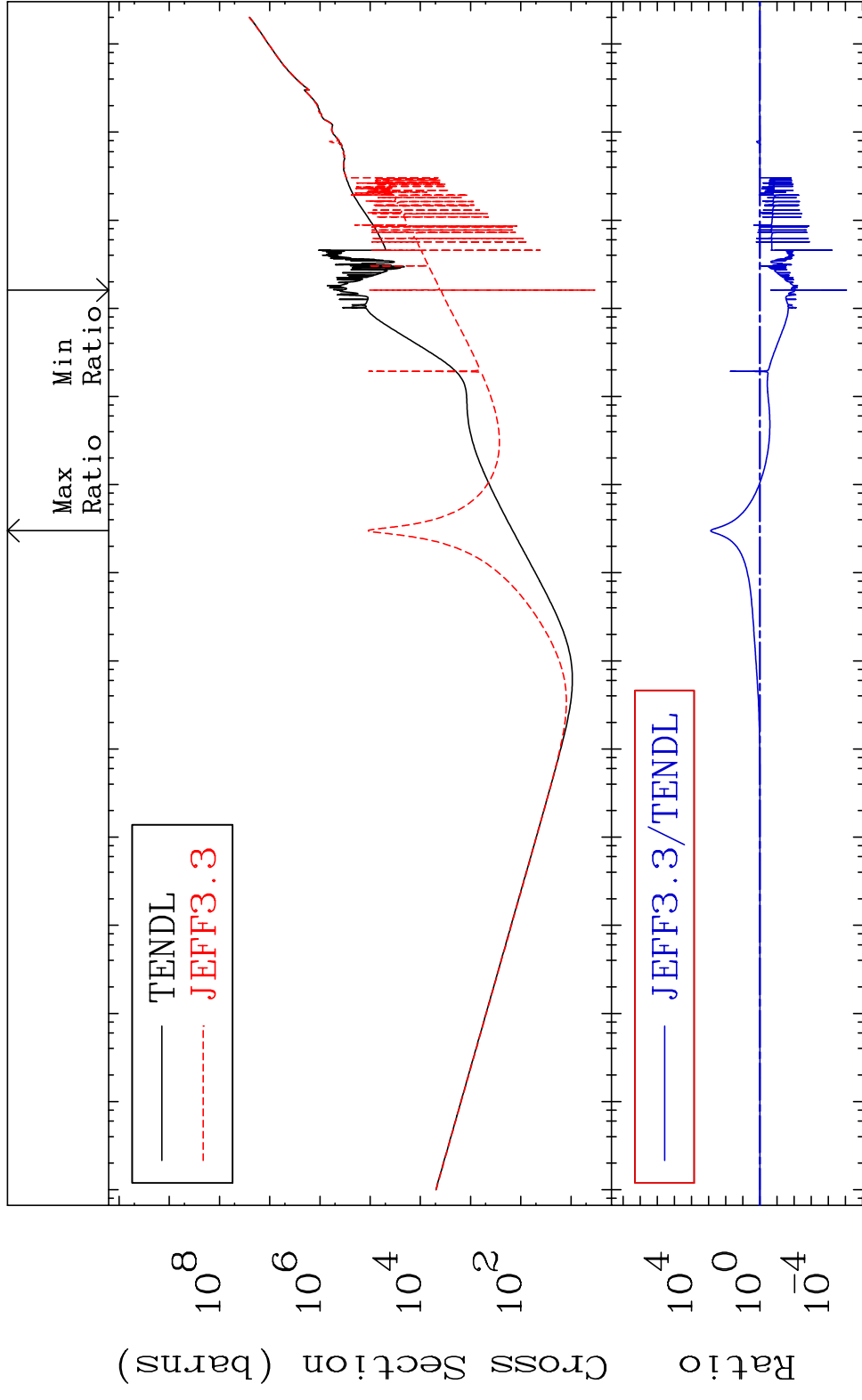
MAT 2049 He-3 Production 20-Ca-48
 Cross Section -100.0 To 38.59 %



MAT 2049 He-4 Production 20-Ca-48
 Cross Section 1.214 To 207.3 %

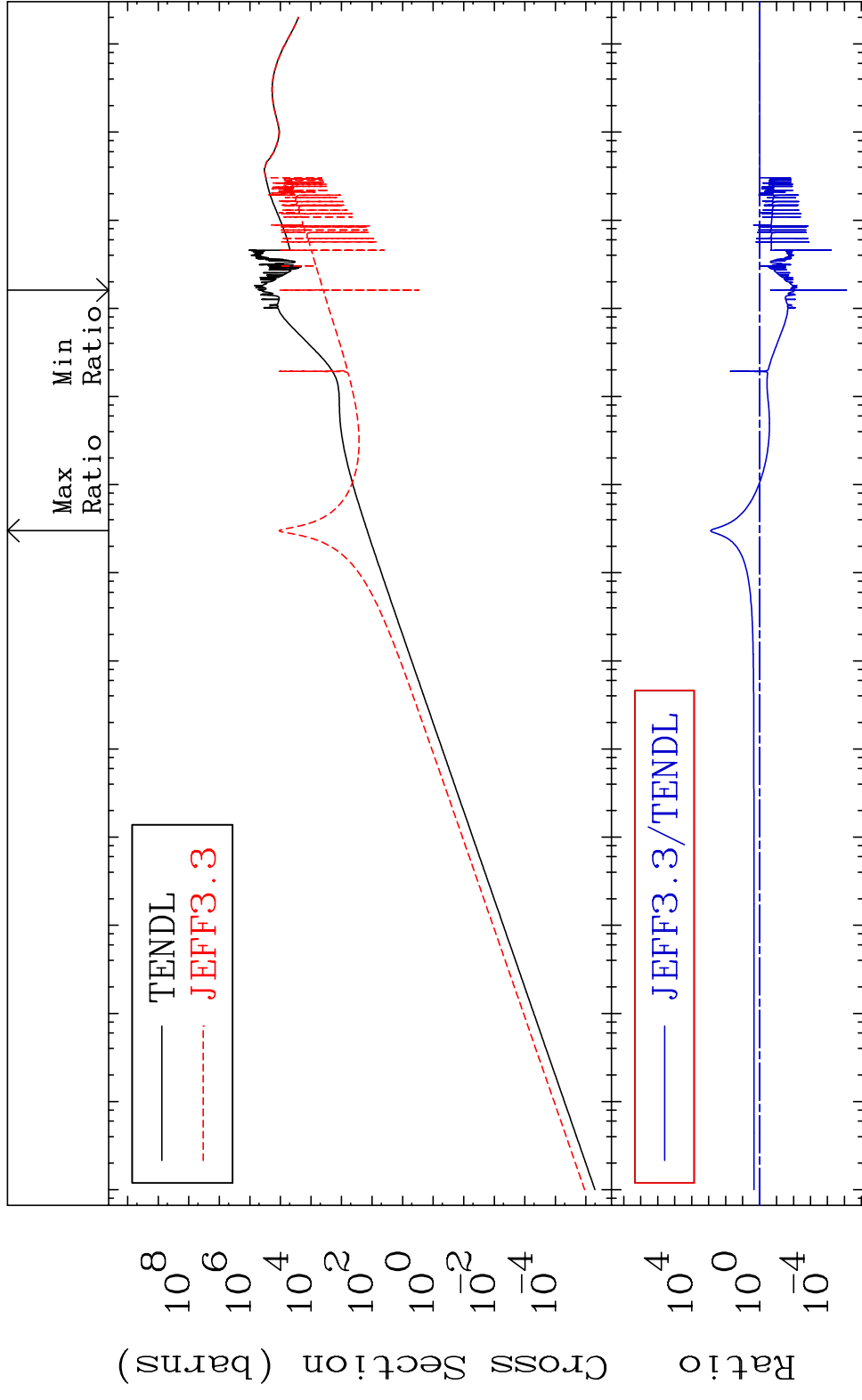


MAT 2049 Kerma total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %

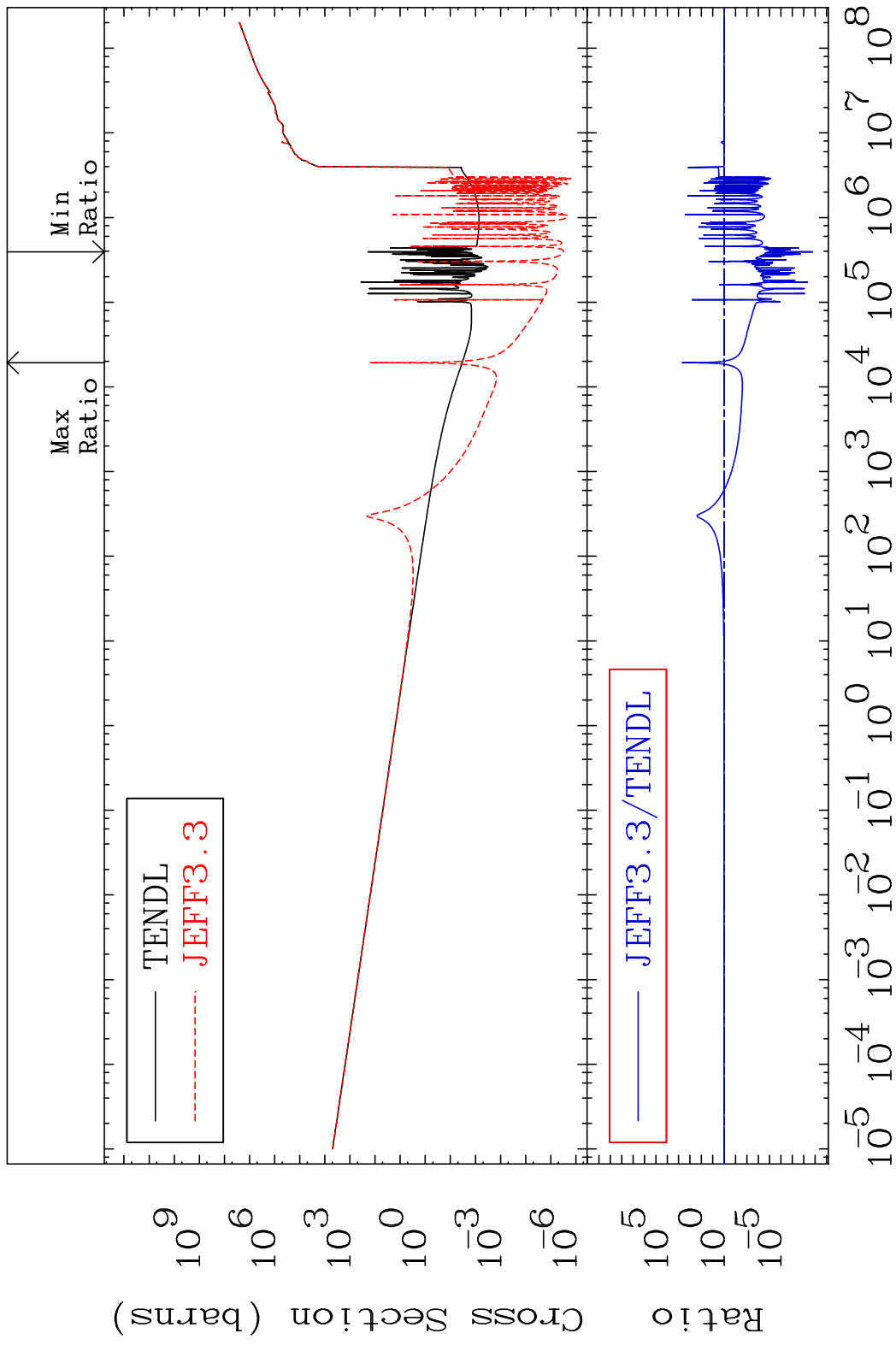


53 Incident Energy (eV) 20-Ca-48

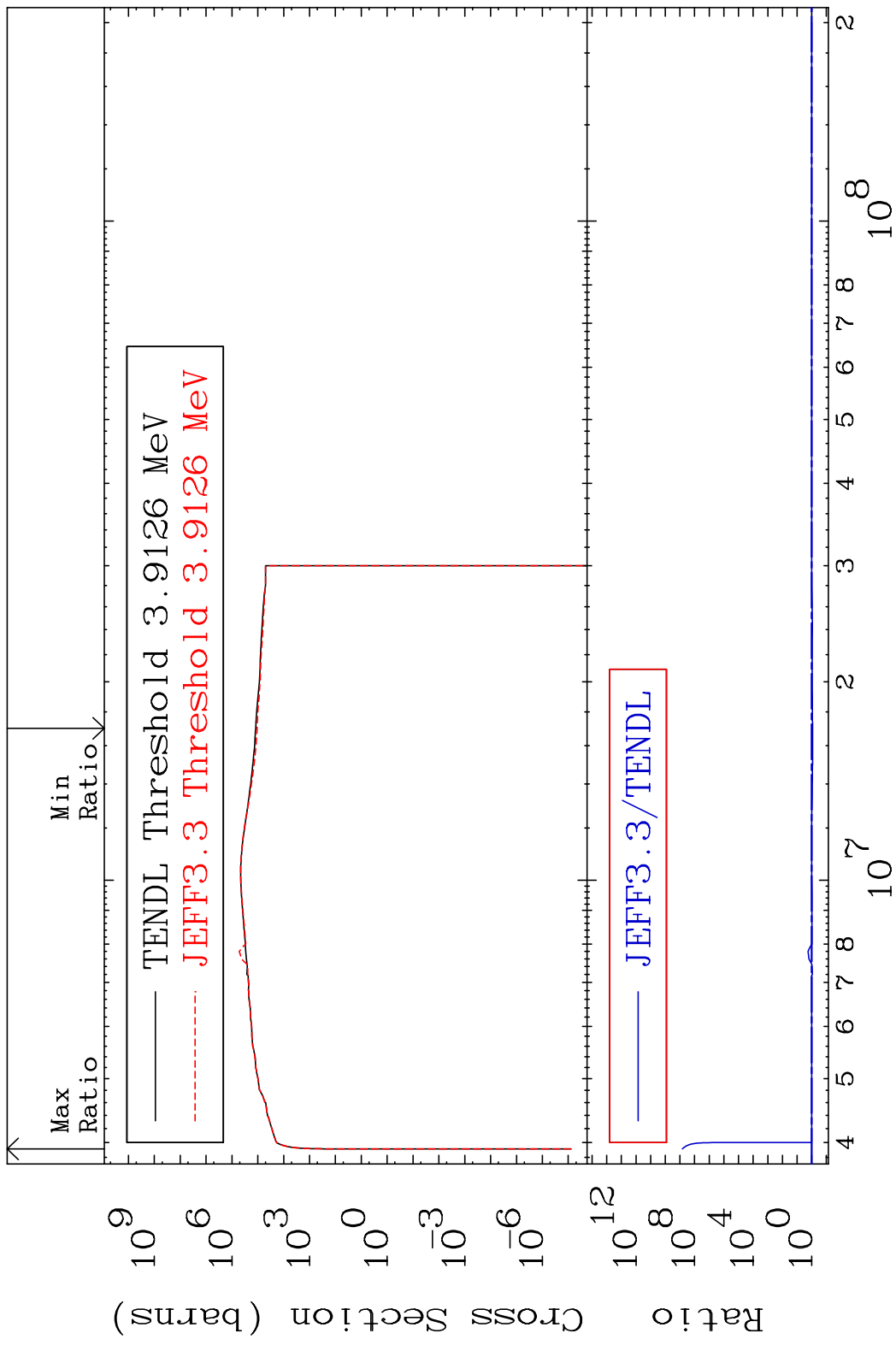
MAT 2049 Kerma elastic Cross Section -100.0 To 9999. % 20-Ca-48



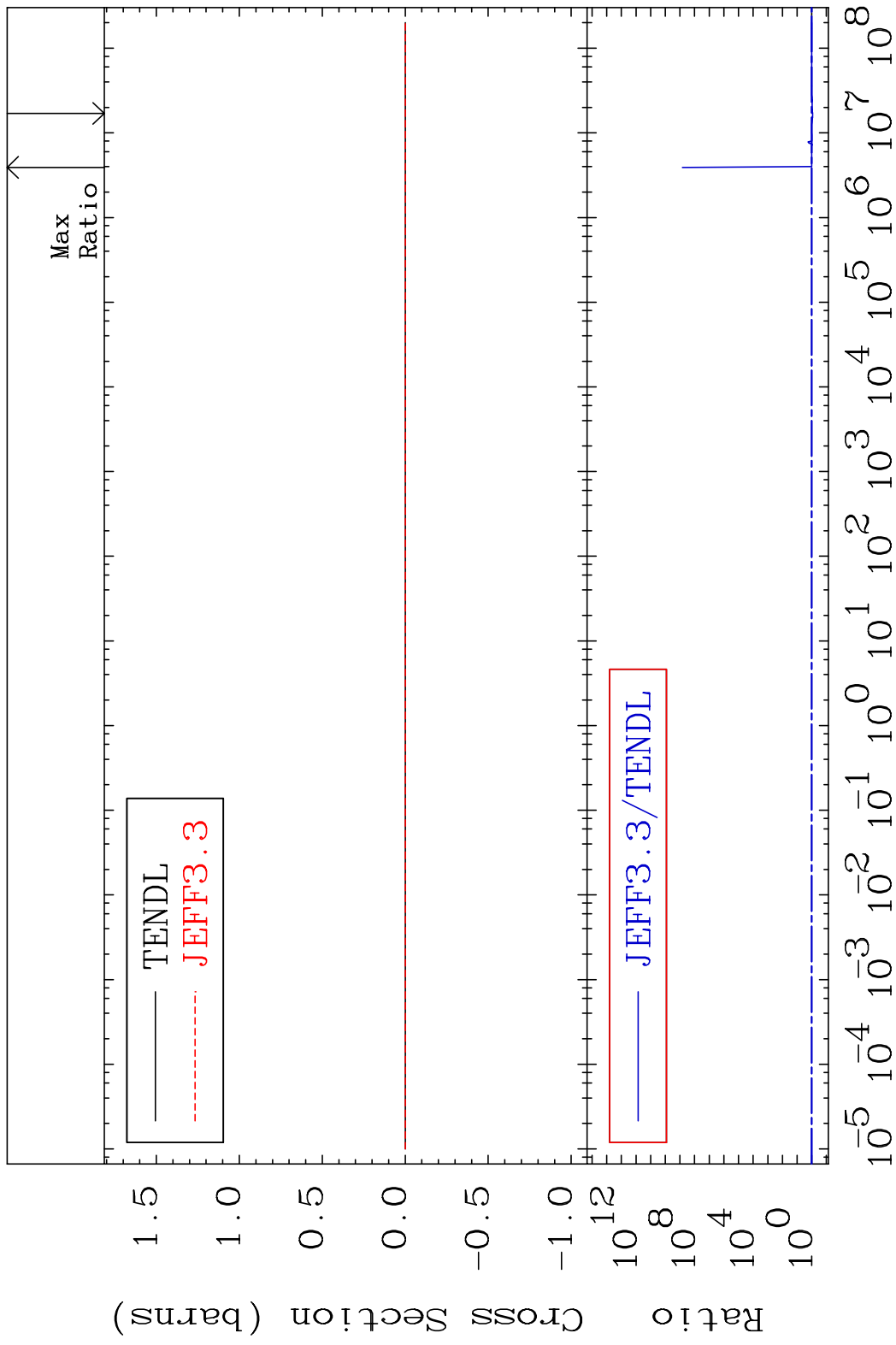
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48
 Cross Section -100.0 To 9999. %

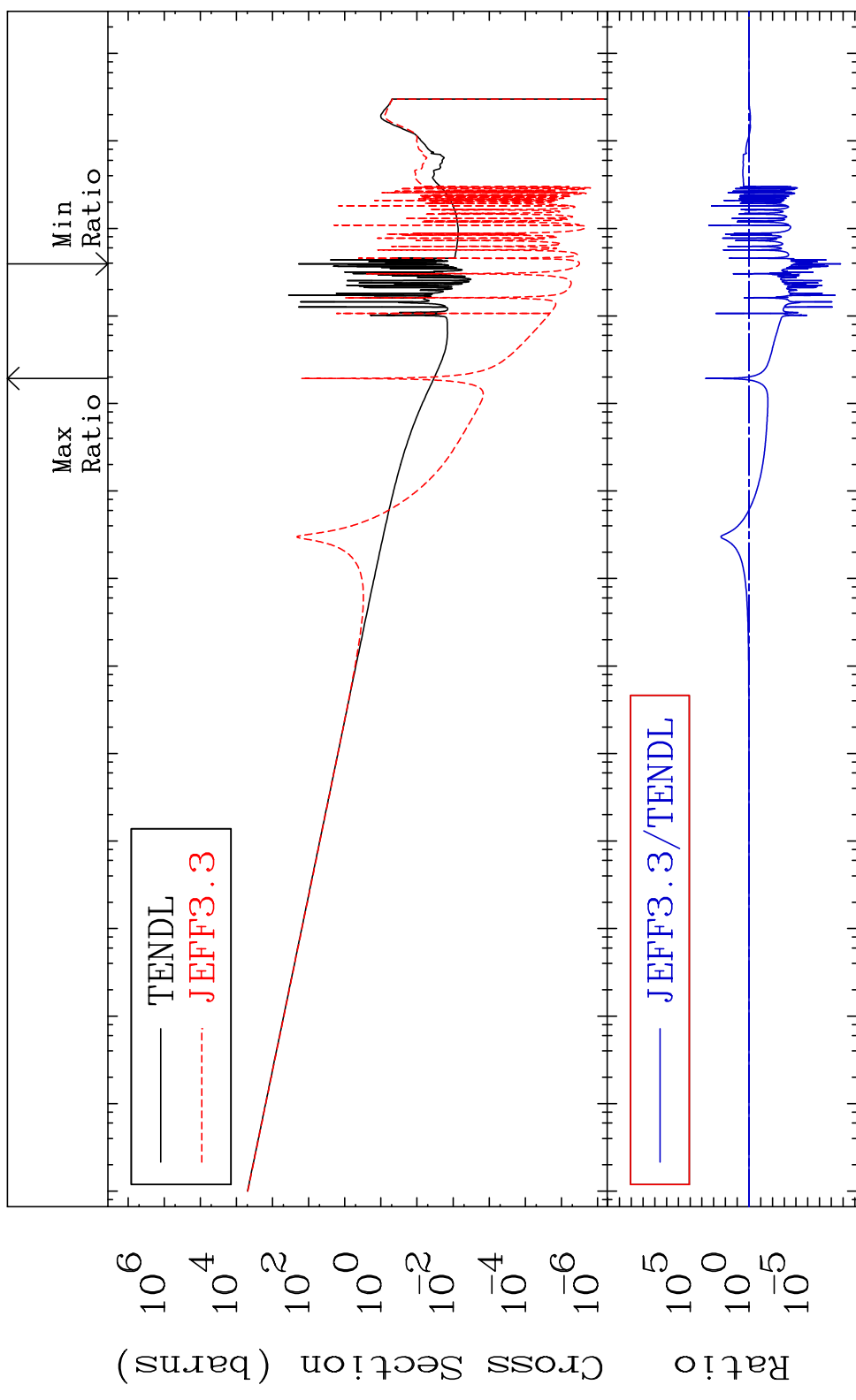


MAT 2049 Kerma inelastic (mt51-91) 20-Ca-48
 Cross Section -12.05 To 9999. %

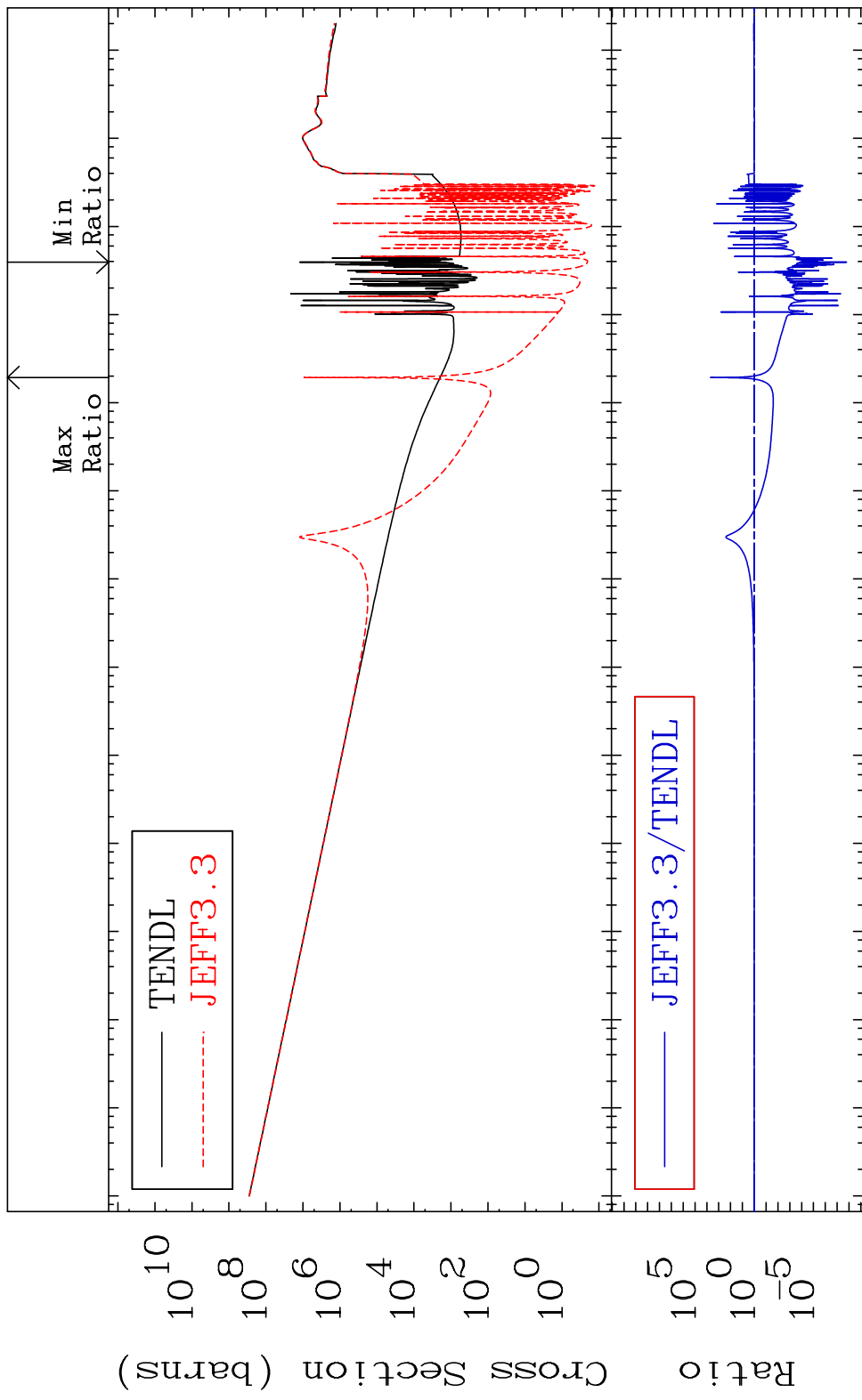


MAT 2049 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-48
 Cross Section -12.05 To 9999. %



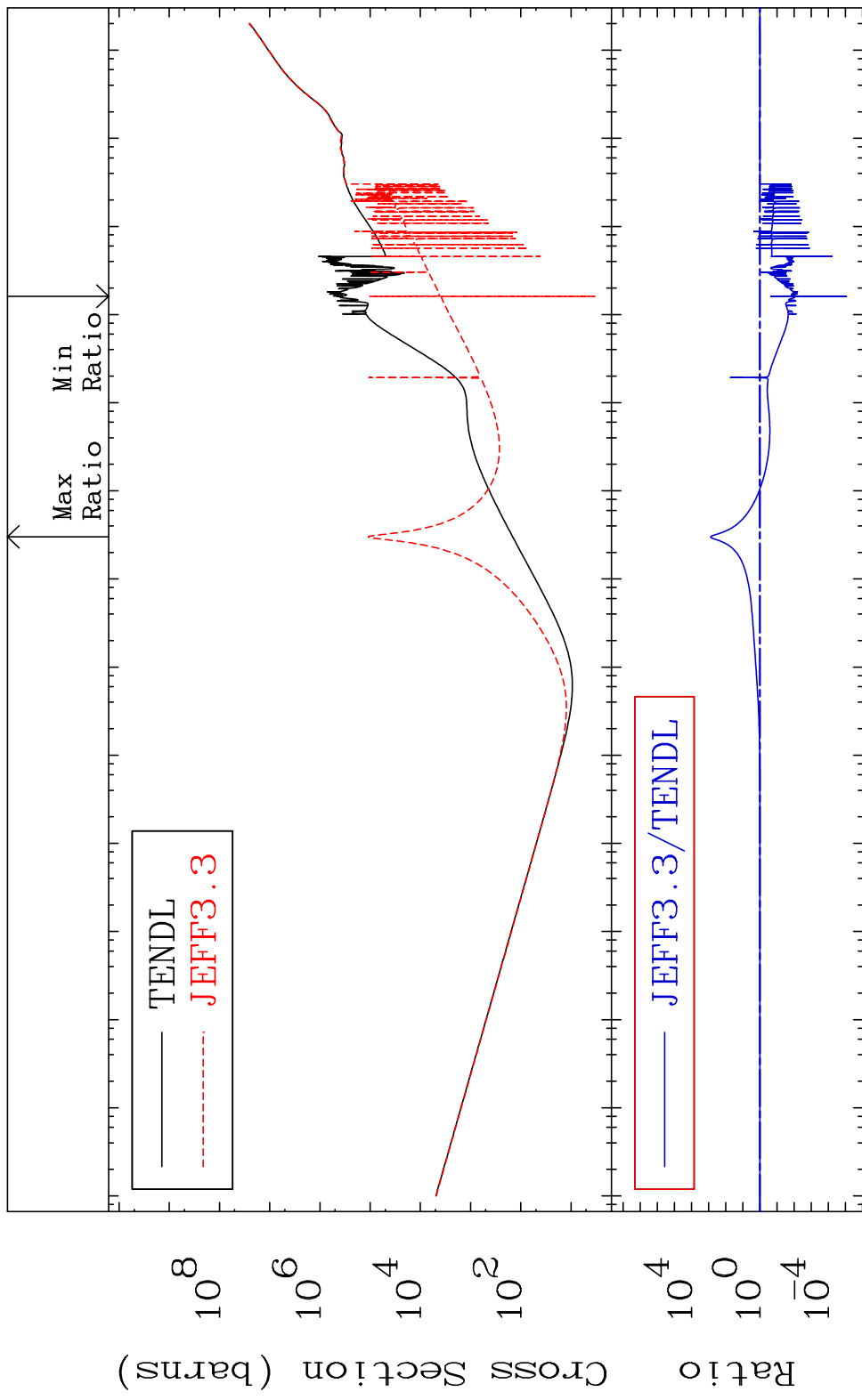


MAT 2049 Total photon (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %



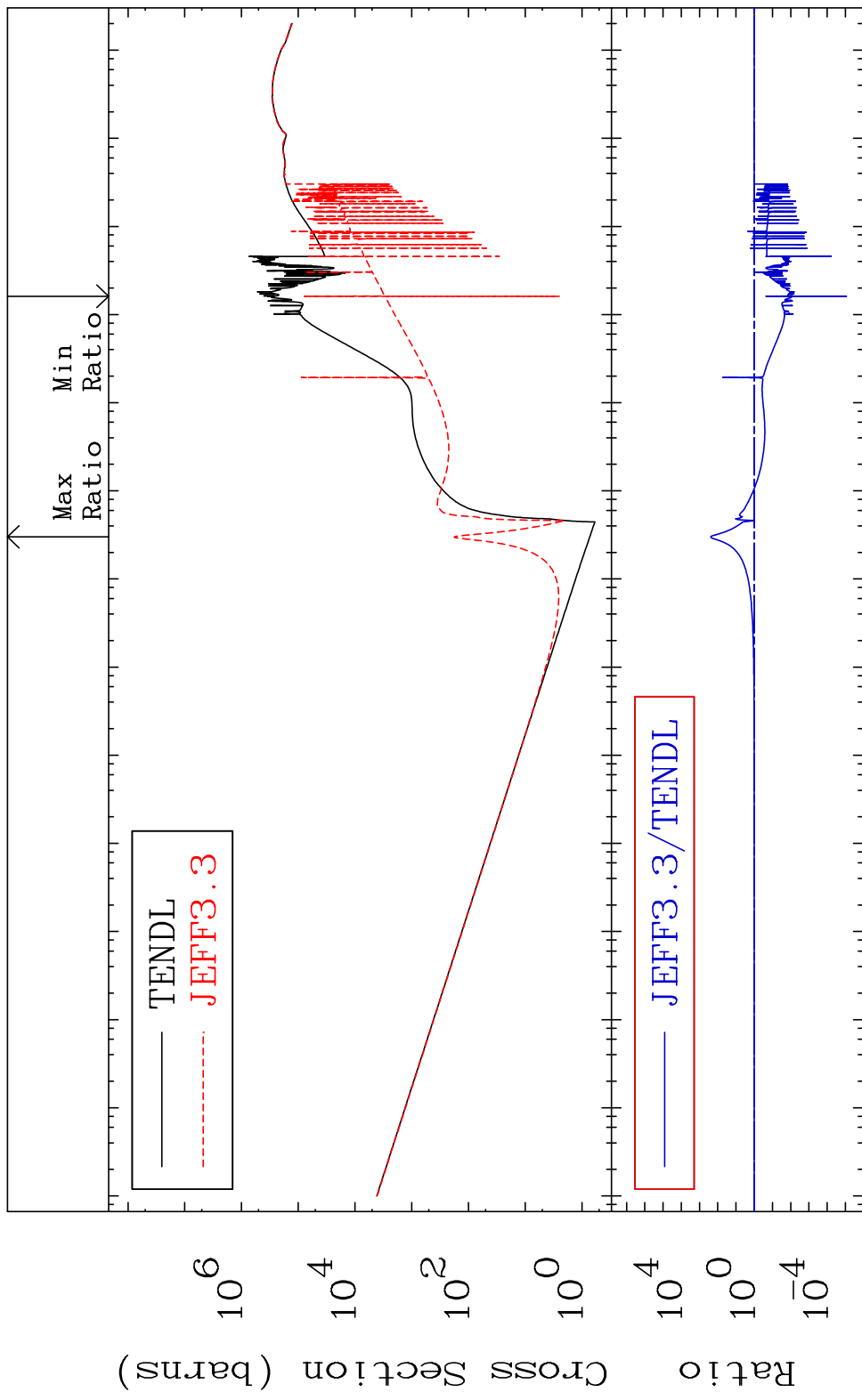
59 Incident Energy (eV) 20-Ca-48

MAT 2049 Total kinematic kerma (high limit) 20-Ca-48
 Cross Section -100.0 To 9999. %



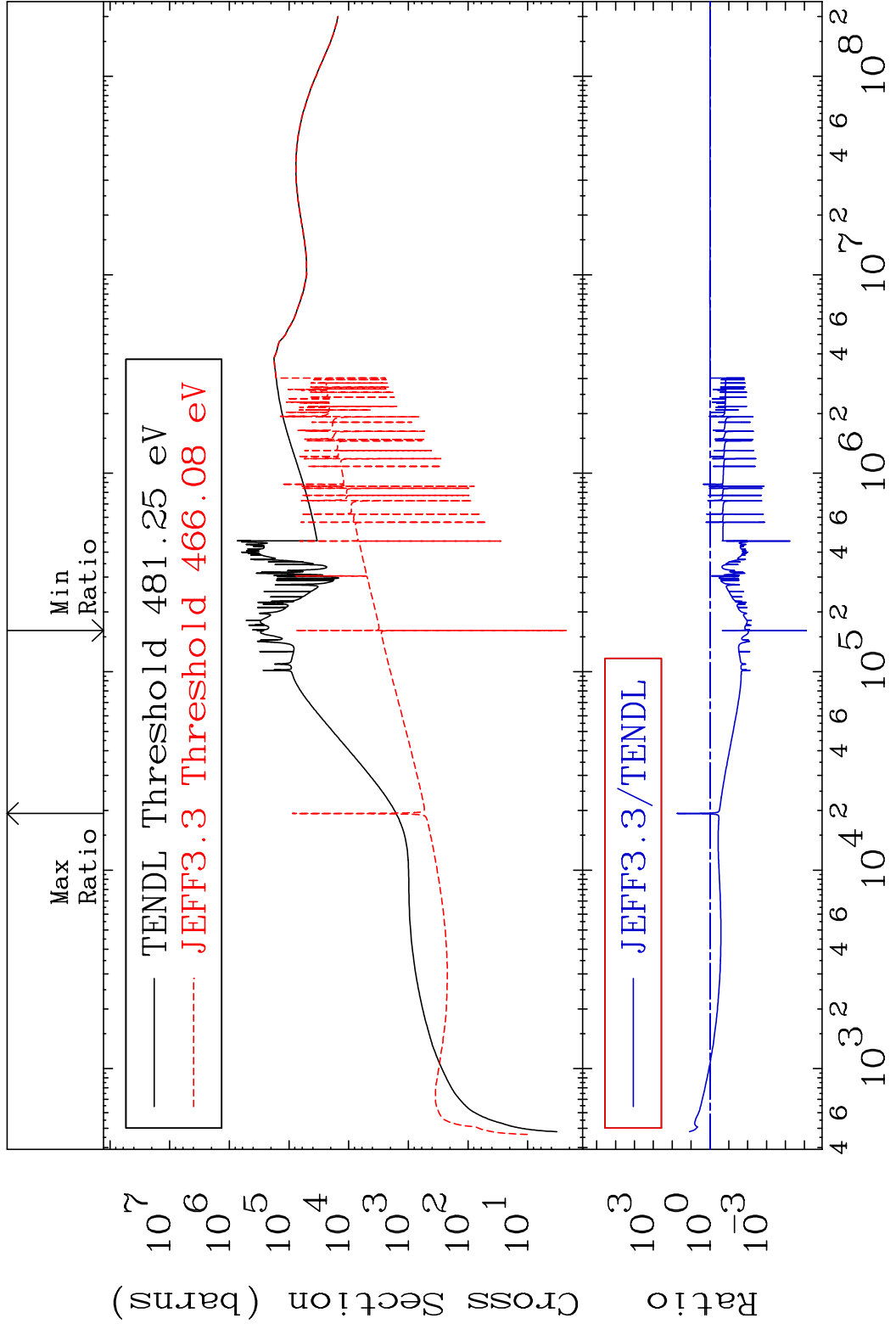
60 Incident Energy (eV) 20-Ca-48

MAT 2049 Dpa total (eV-barns) 20-Ca-48
 Cross Section -100.0 To 9999. %

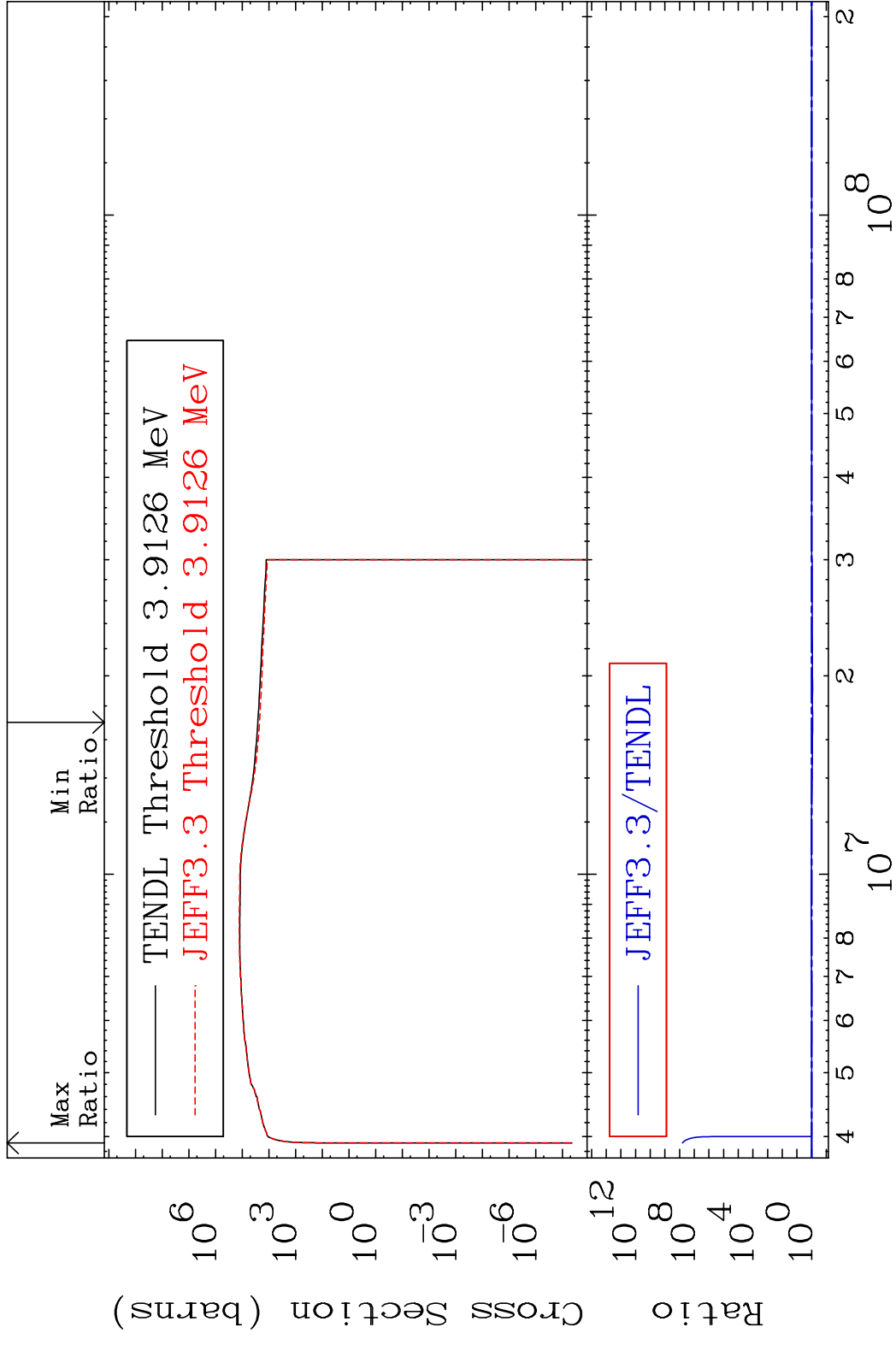


61 Incident Energy (eV) 20-Ca-48

MAT 2049 Dpa elastic (mt2) 20-Ca-48
 Cross Section -100.0 To 5340. %



MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48
 Cross Section -13.99 To 9999. %



MAT 2049 Dpa disappearance (mt102 -120) 20-Ca-48
 Cross Section -100.0 To 9999. %

