

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

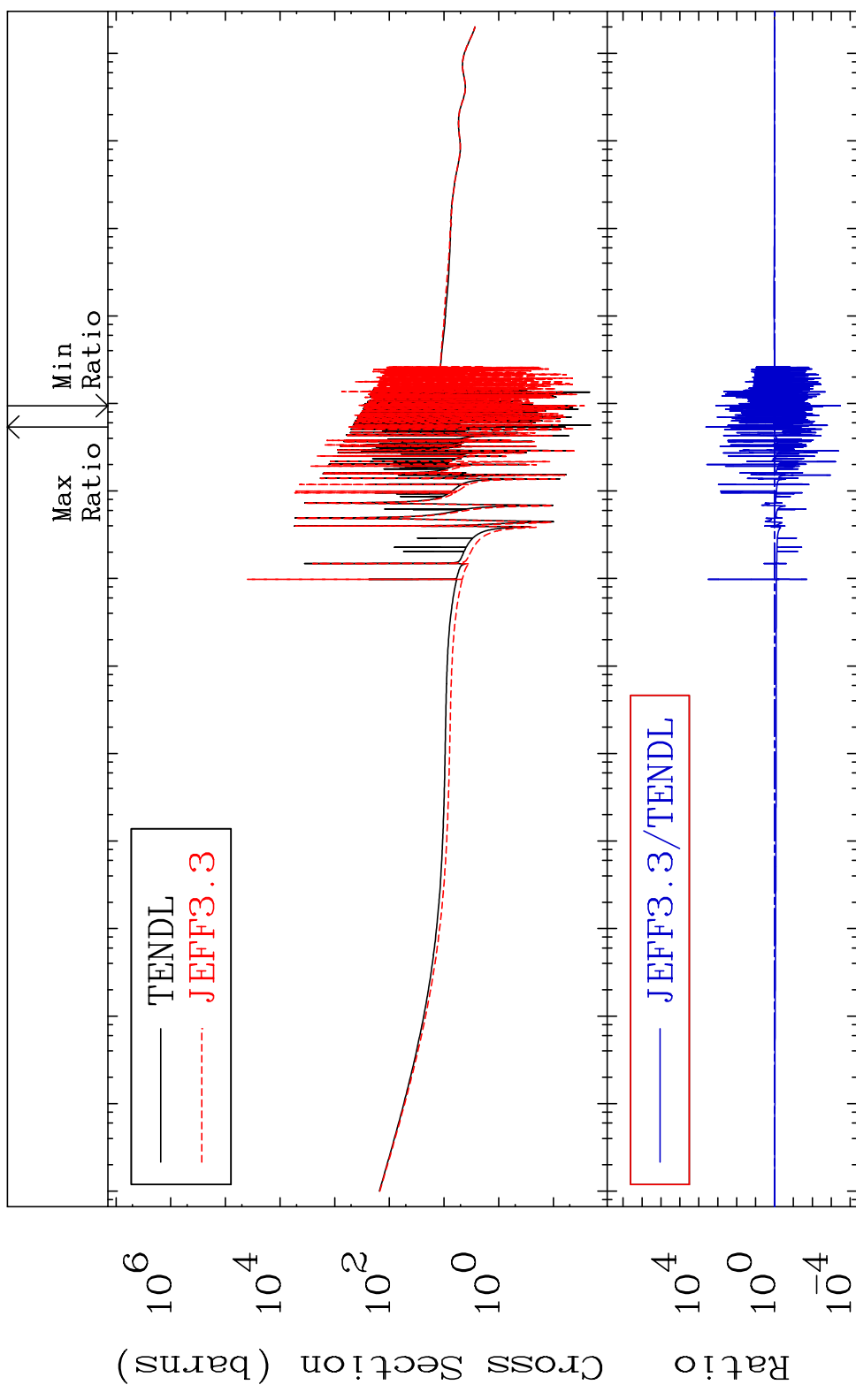
MAT 7049

Total

70-Yb-176

Cross Section

-99.97 To 9999. %



1

Incident Energy (eV)

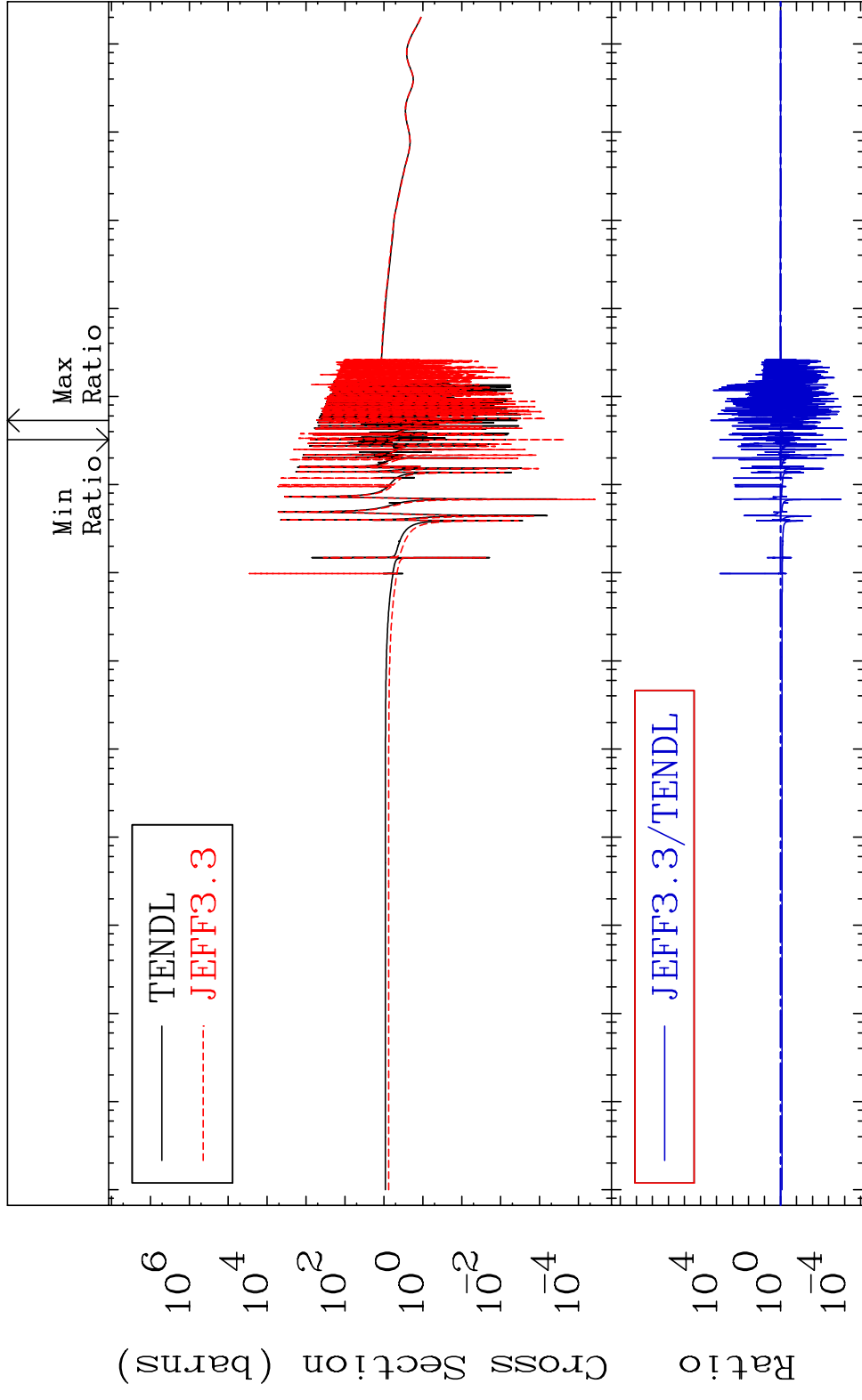
70-Yb-176

MAT 7049

Elastic

70-Yb-176

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

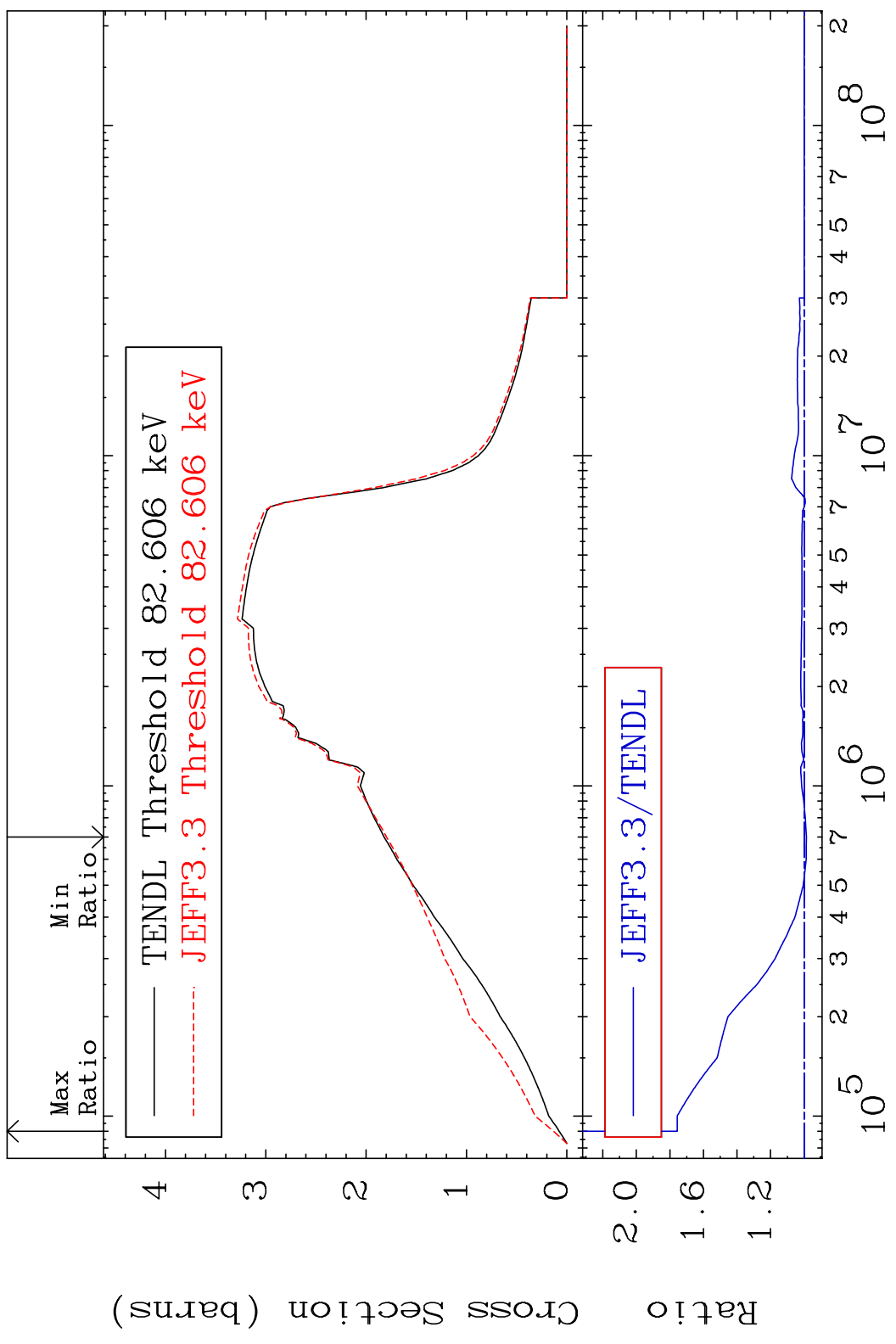
70-Yb-176

MAT 7049

Inelastic

70-Yb-176

Cross Section -1.349 To 75.65 %



3

Incident Energy (eV)

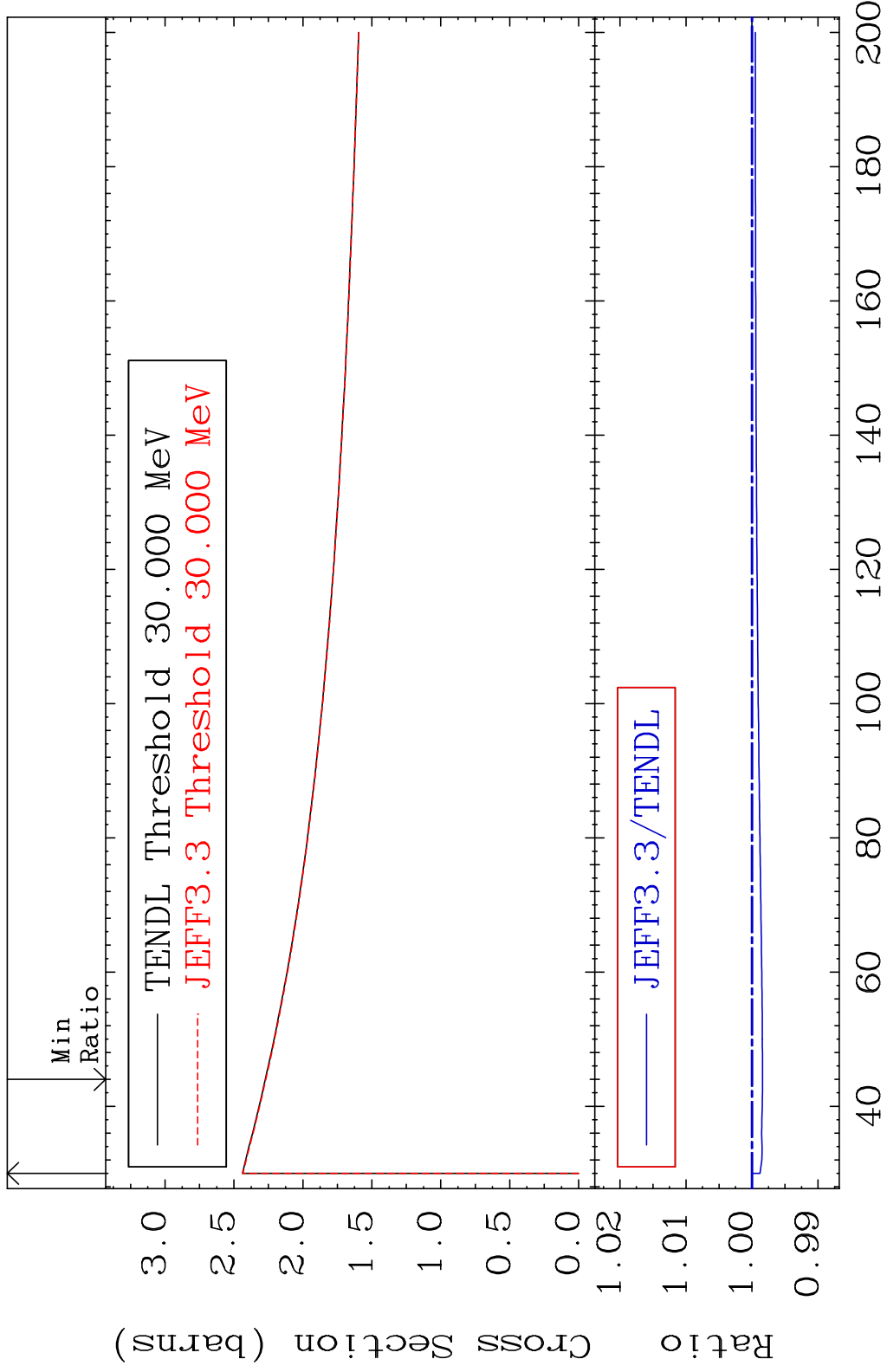
70-Yb-176

MAT 7049

(n, remainder)

70-Yb-176

Cross Section -0.160 To 0.000 %



4

Incident Energy (MeV)

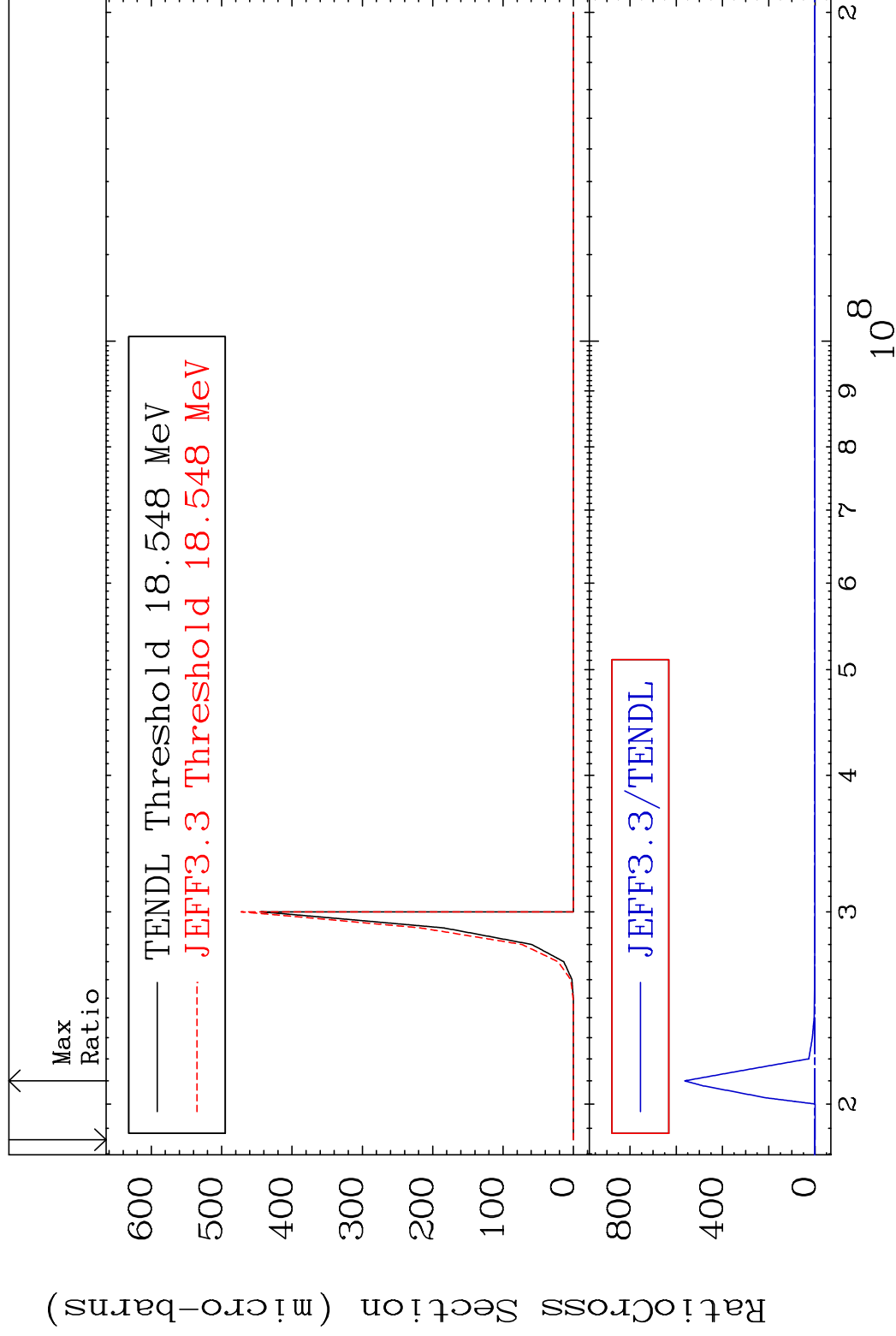
70-Yb-176

MAT 7049

(n,2n) d

70-Yb-176

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

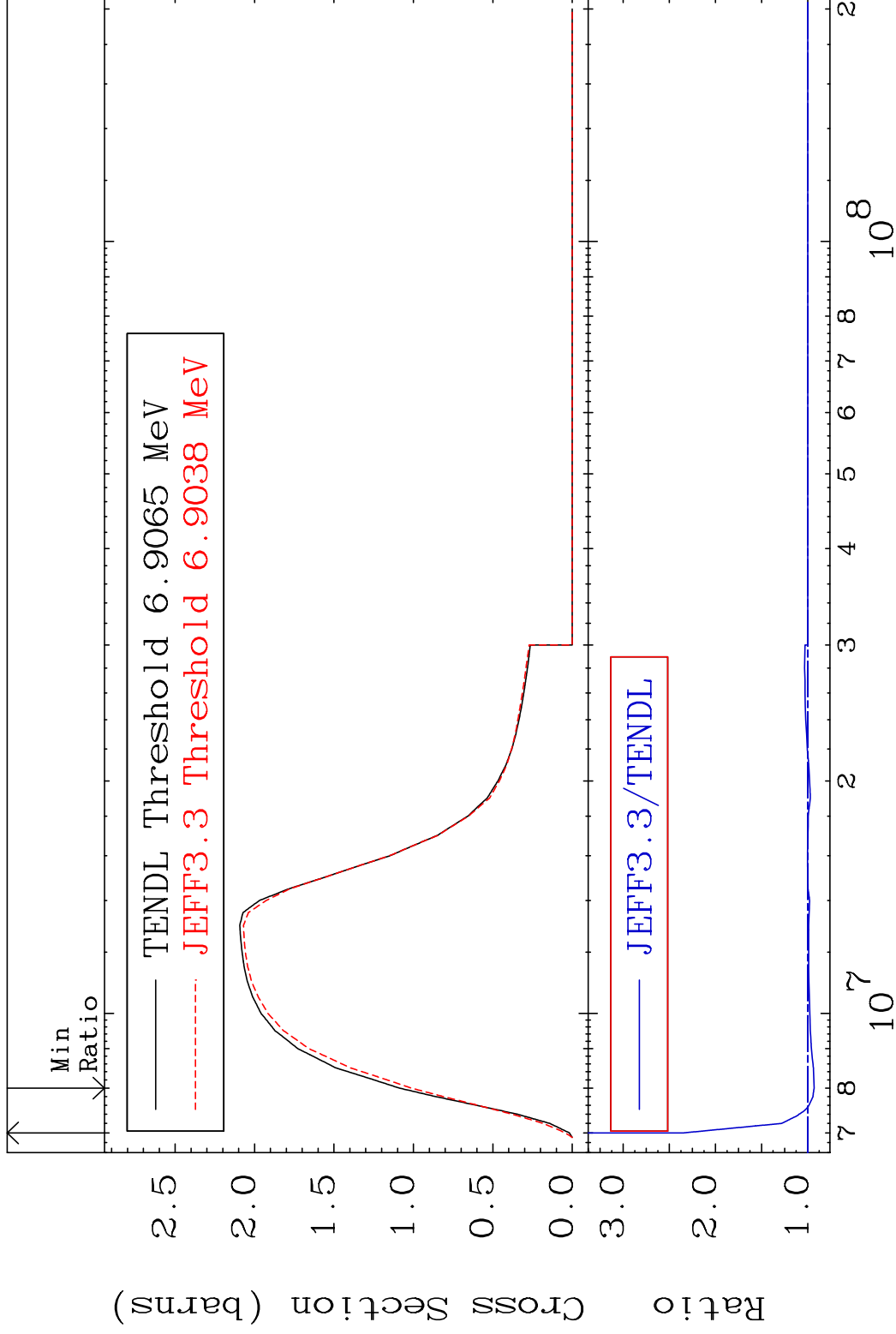
70-Yb-176

MAT 7049

(n,2n)

70-Yb-176

Cross Section -6.941 To 134.5 %



6

Incident Energy (eV)

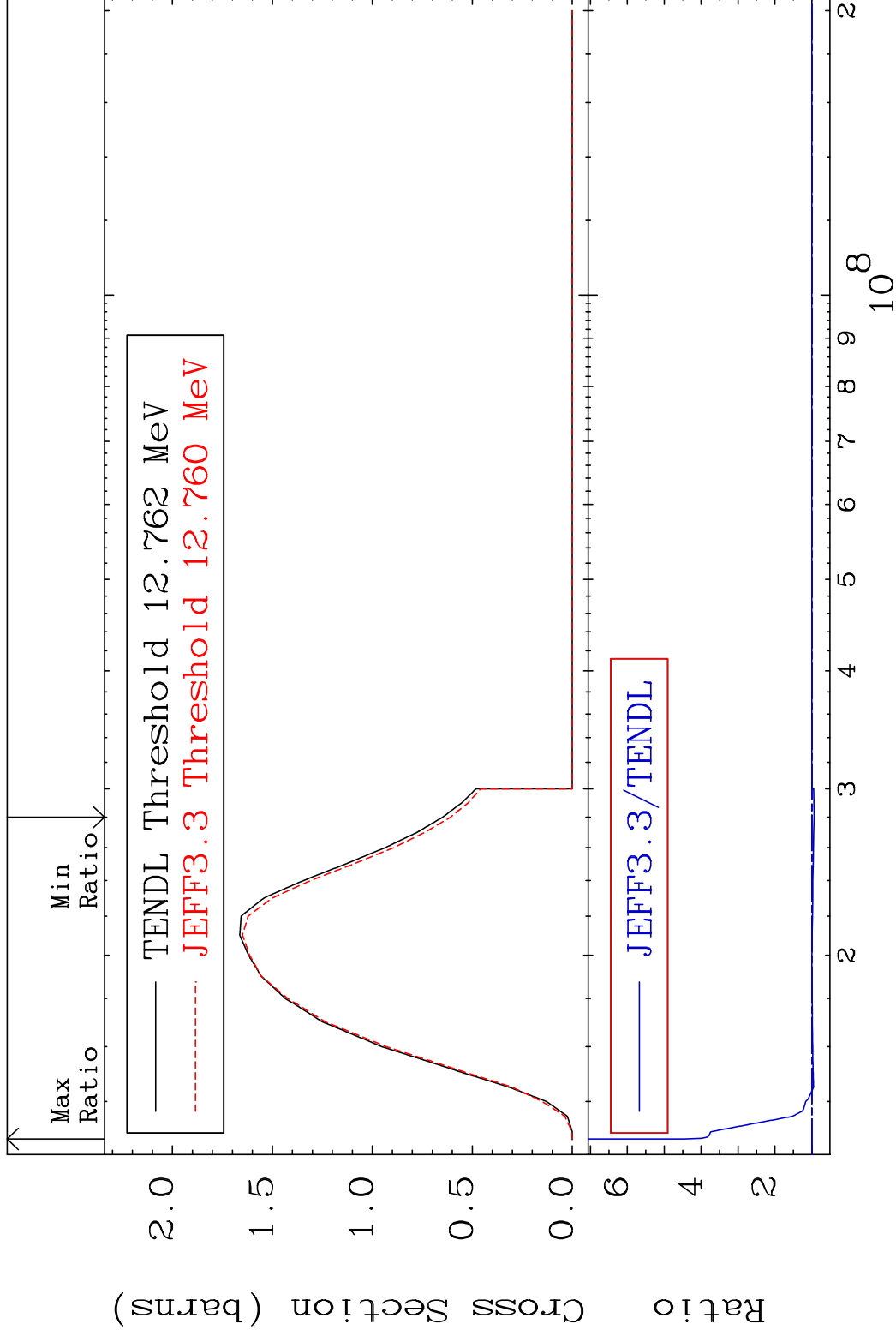
70-Yb-176

MAT 7049

(n,3n)

70-Yb-176

Cross Section -6.076 To 347.5 %



7

Incident Energy (eV)

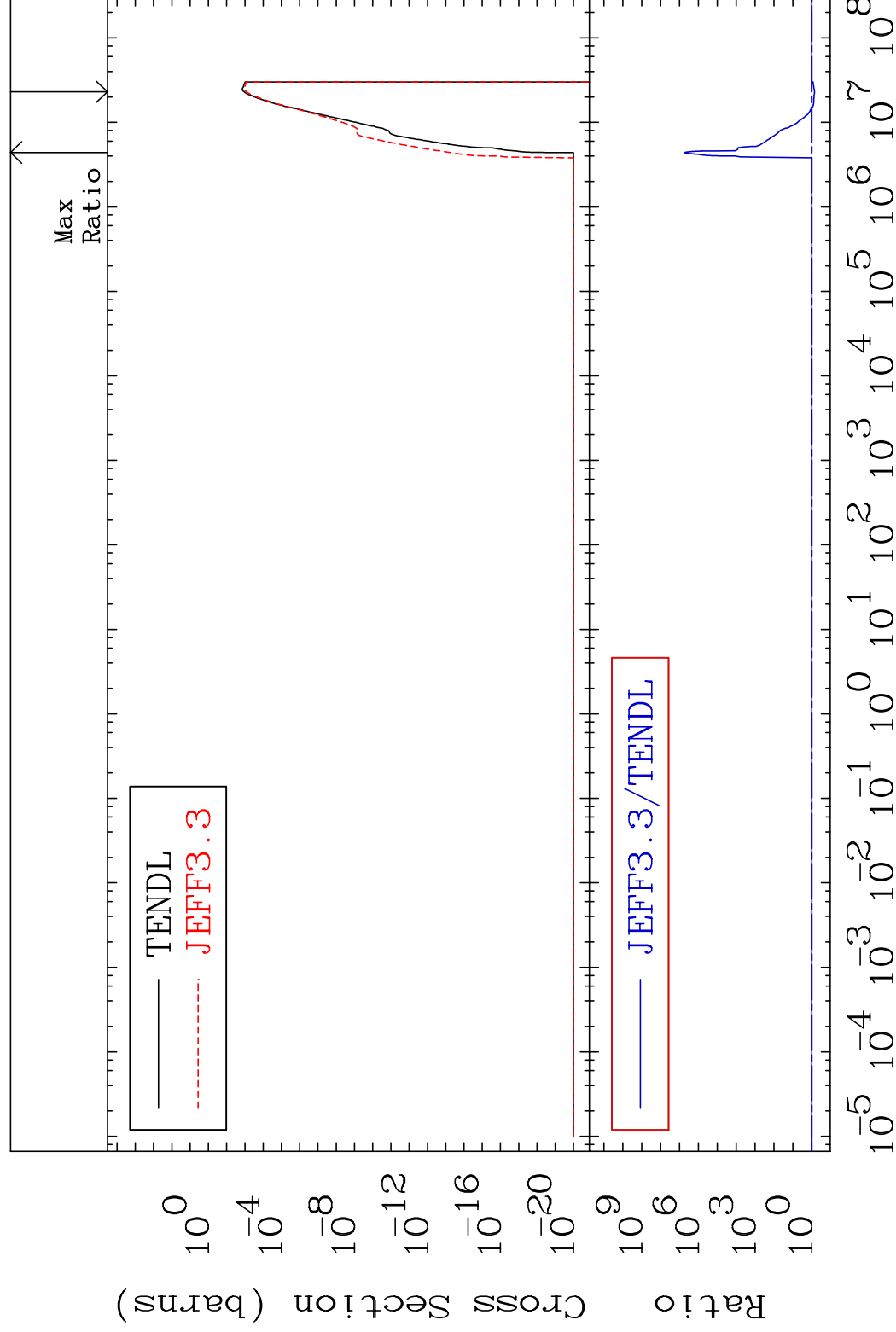
70-Yb-176

MAT 7049

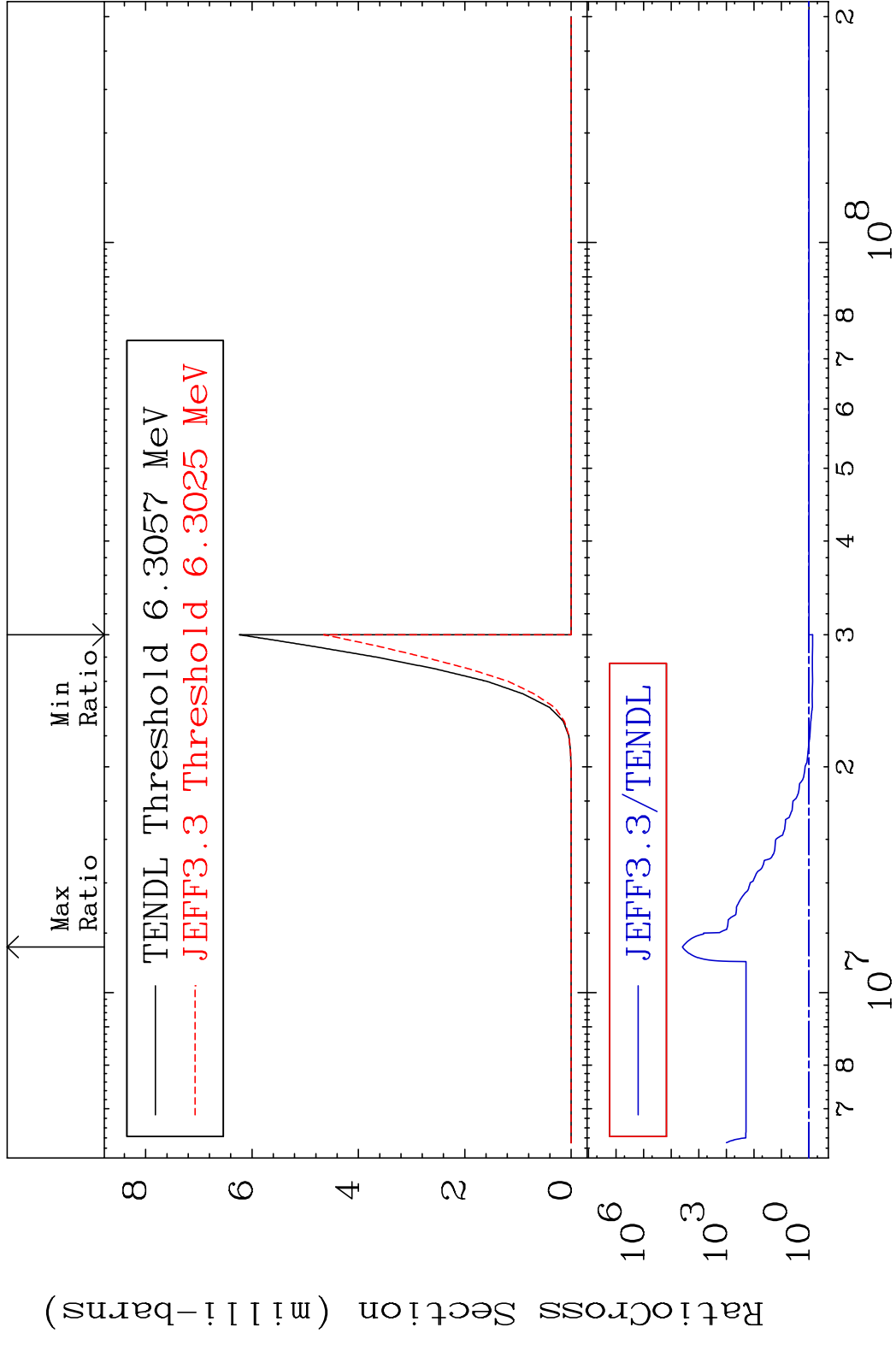
(n, n') α

70-Yb-176

Cross Section -26.95 To 9999. %



MAT 7049 (n,2n) α 70-Yb-176
 Cross Section -25.43 To 9999. %

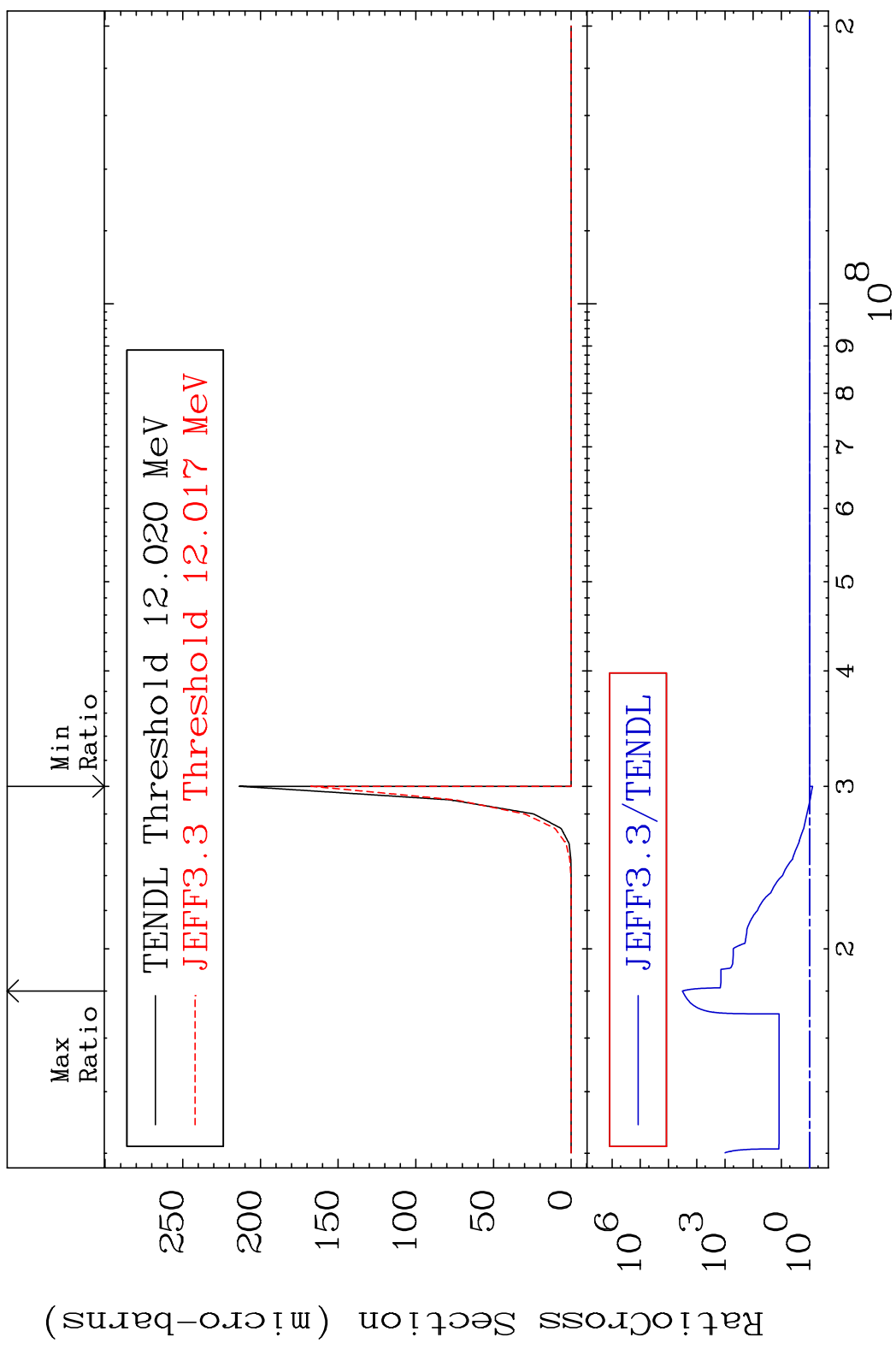


MAT 7049

(n,3n) α

70-Yb-176

Cross Section -21.58 To 9999. %



10

Incident Energy (eV)

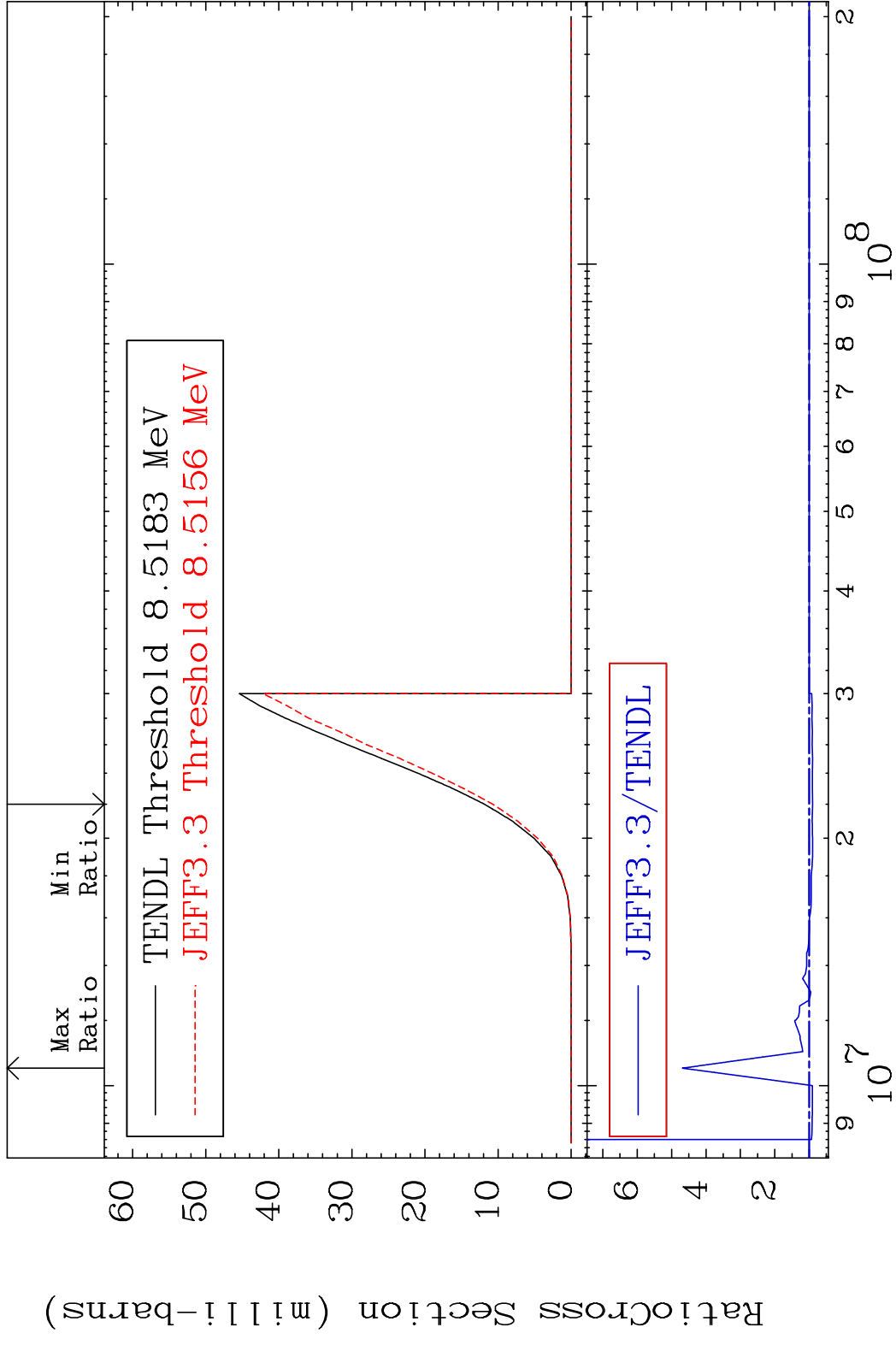
70-Yb-176

MAT 7049

(n, n') p

70-Yb-176

Cross Section -9.792 To 368.8 %

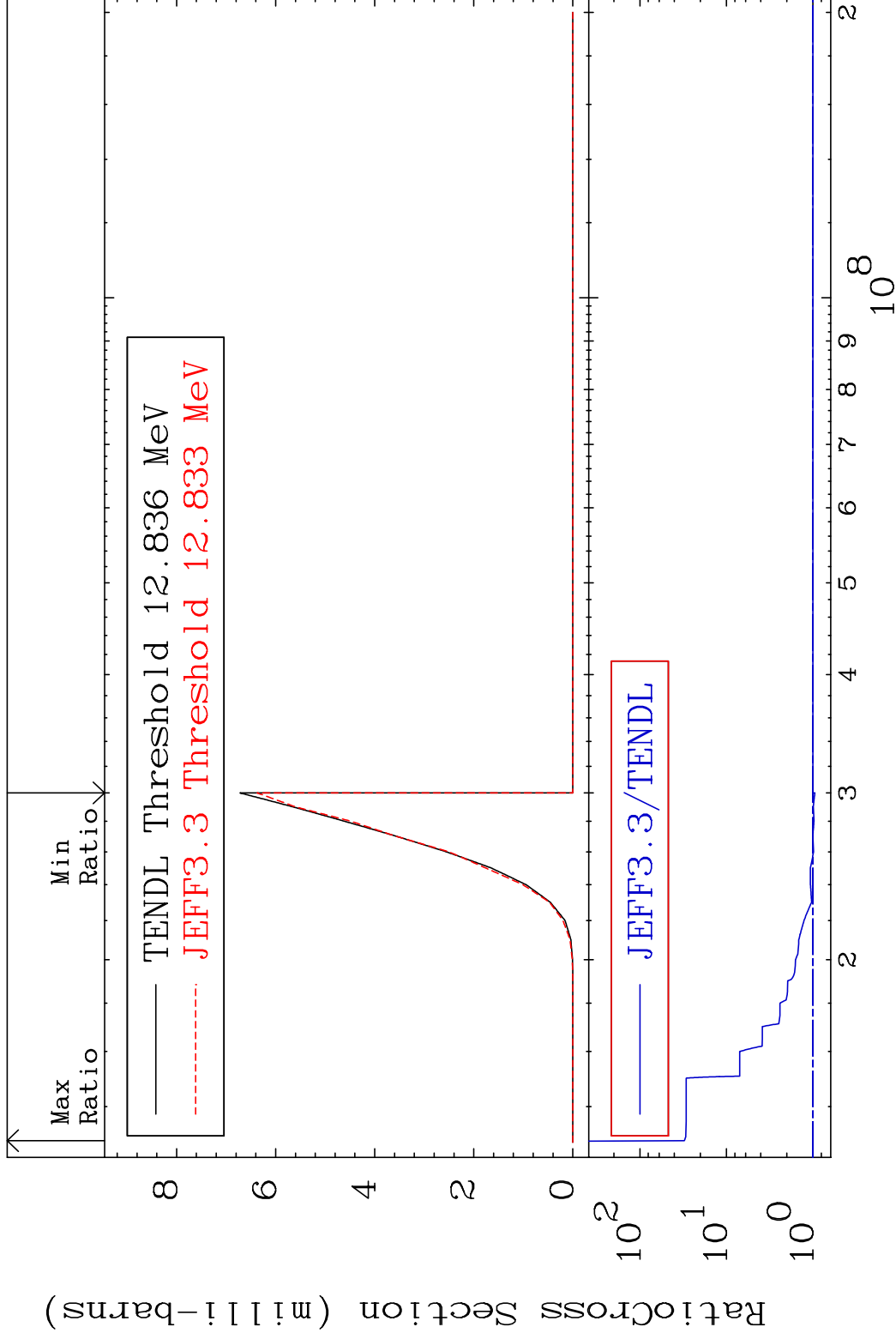


MAT 7049

(n, n') d

70-Yb-176

Cross Section -5.139 To 2968. %



12

Incident Energy (eV)

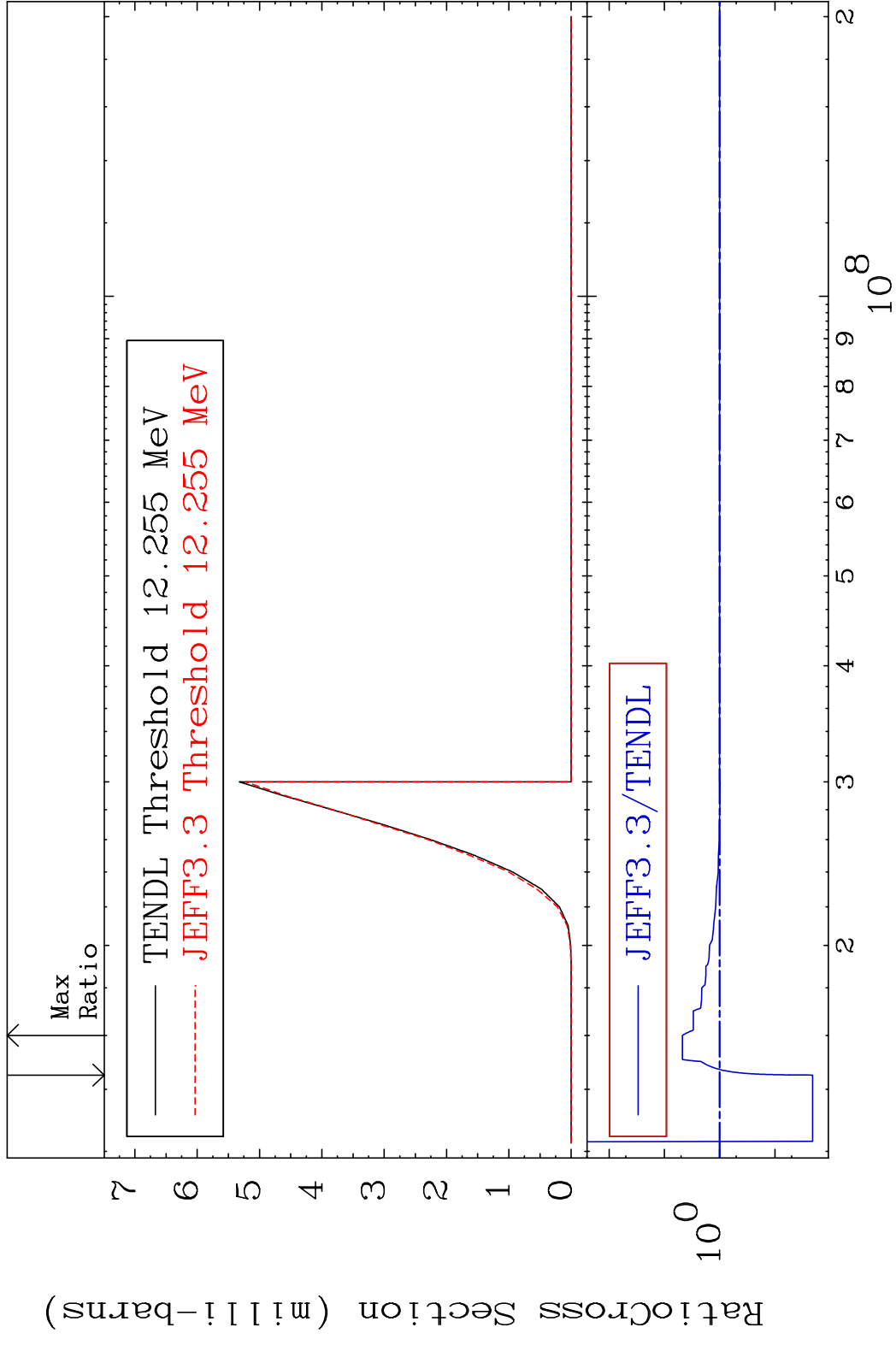
70-Yb-176

MAT 7049

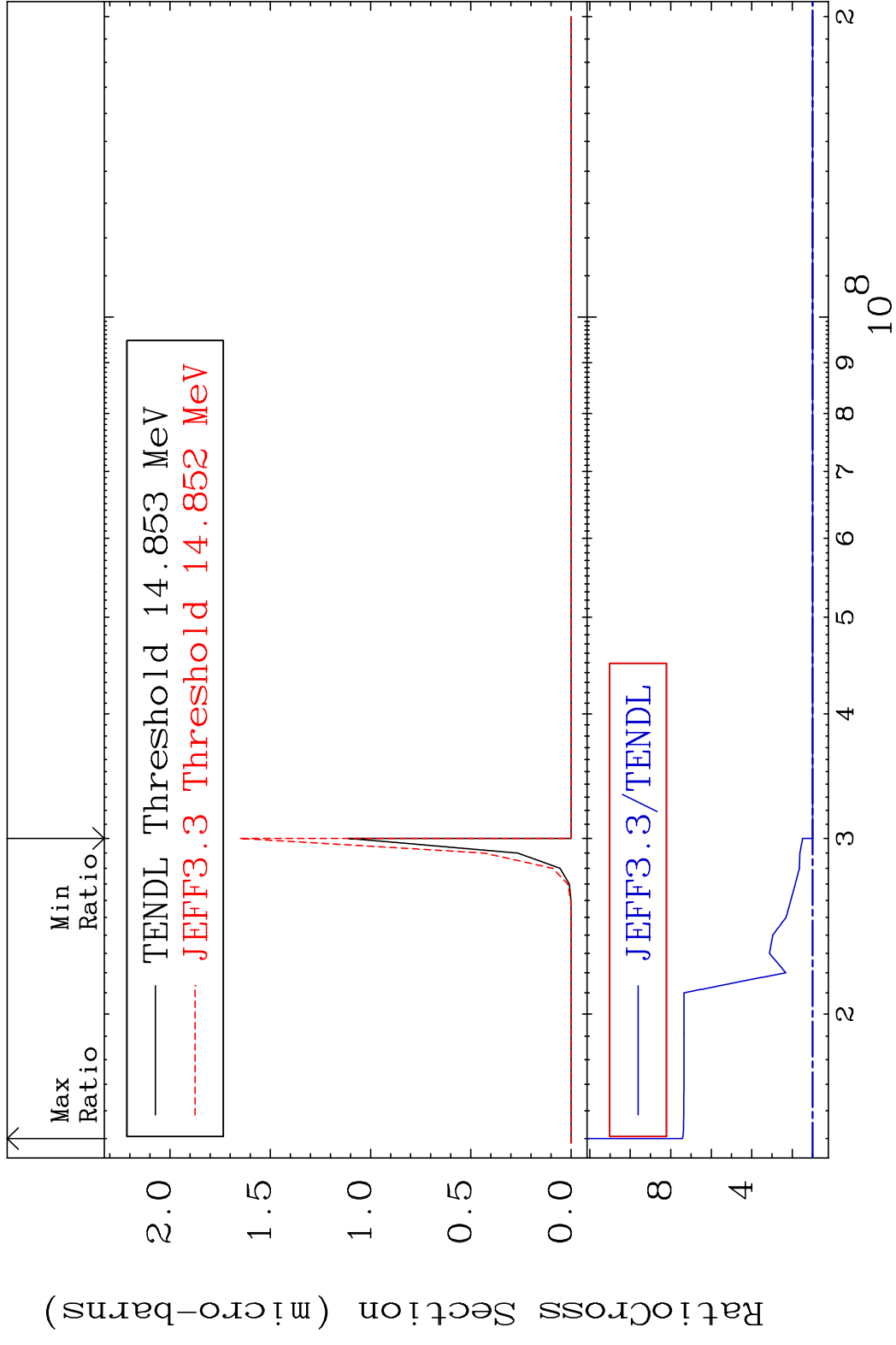
(n, n') t

70-Yb-176

Cross Section -97.91 To 373.5 %



MAT 7049 (n,n') He-3 70-Yb-176
 Cross Section 0.000 To 642.7 %

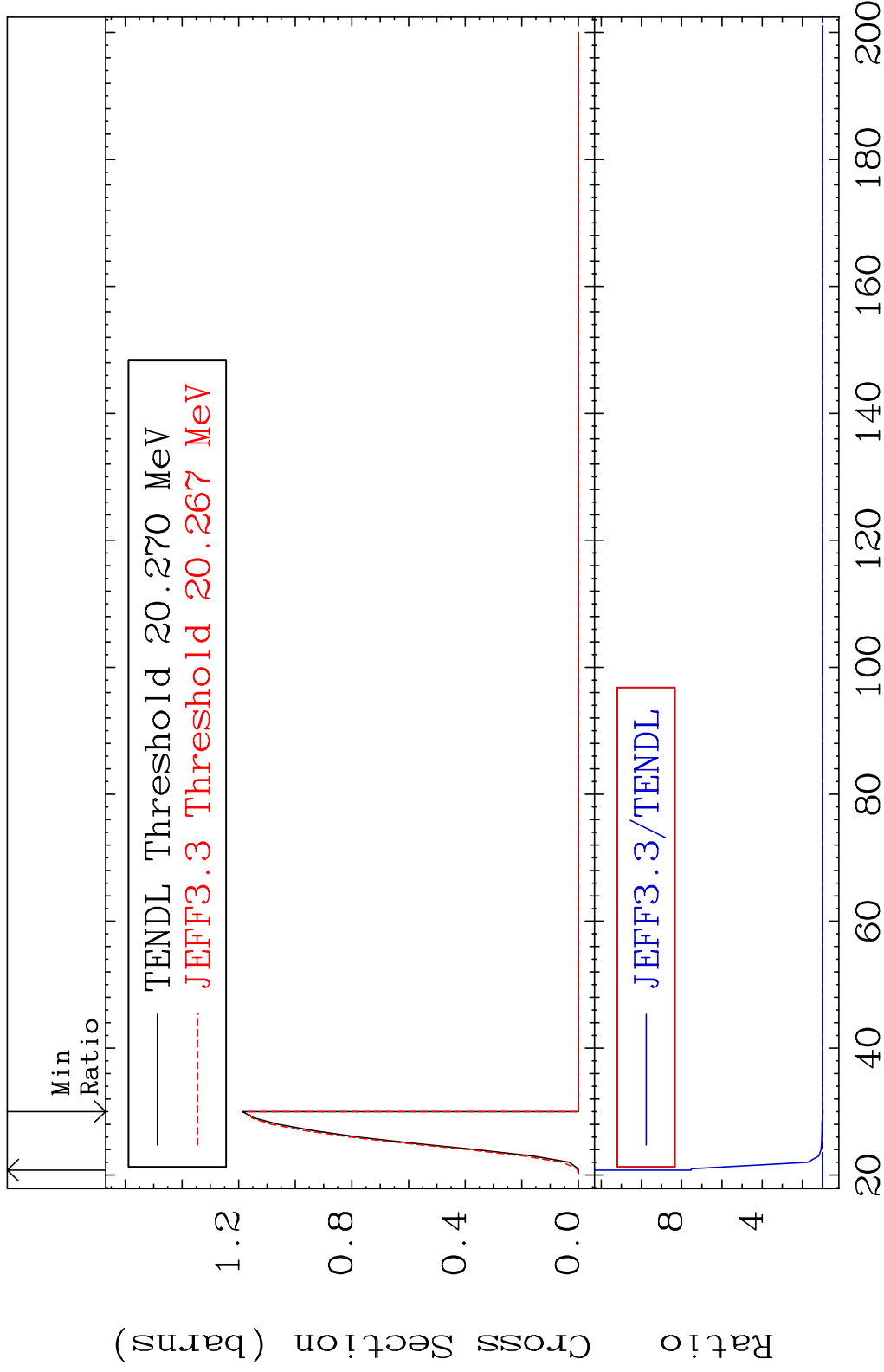


MAT 7049

(n, 4n)

70-Yb-176

Cross Section -1.476 To 653.6 %



15

Incident Energy (MeV)

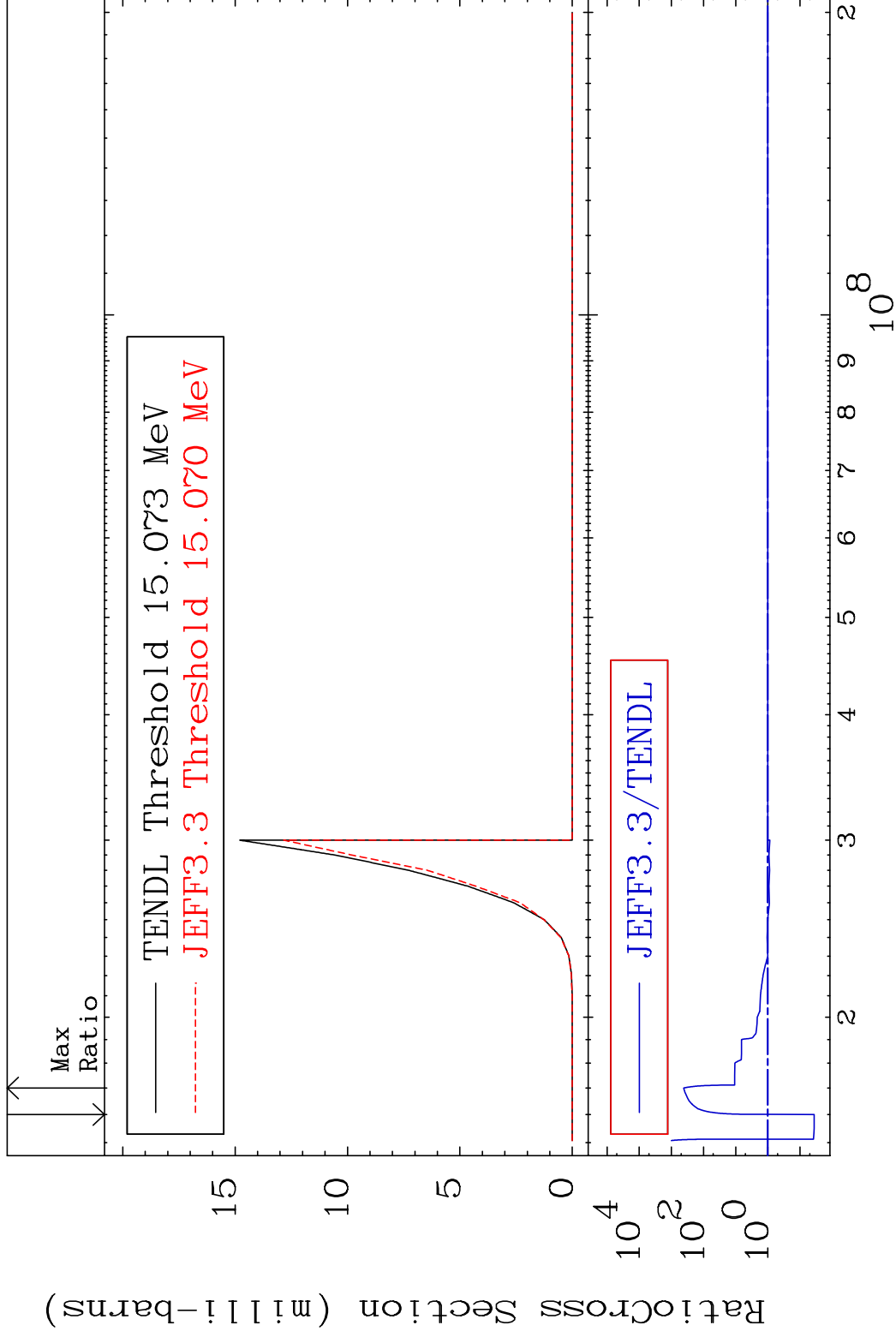
70-Yb-176

MAT 7049

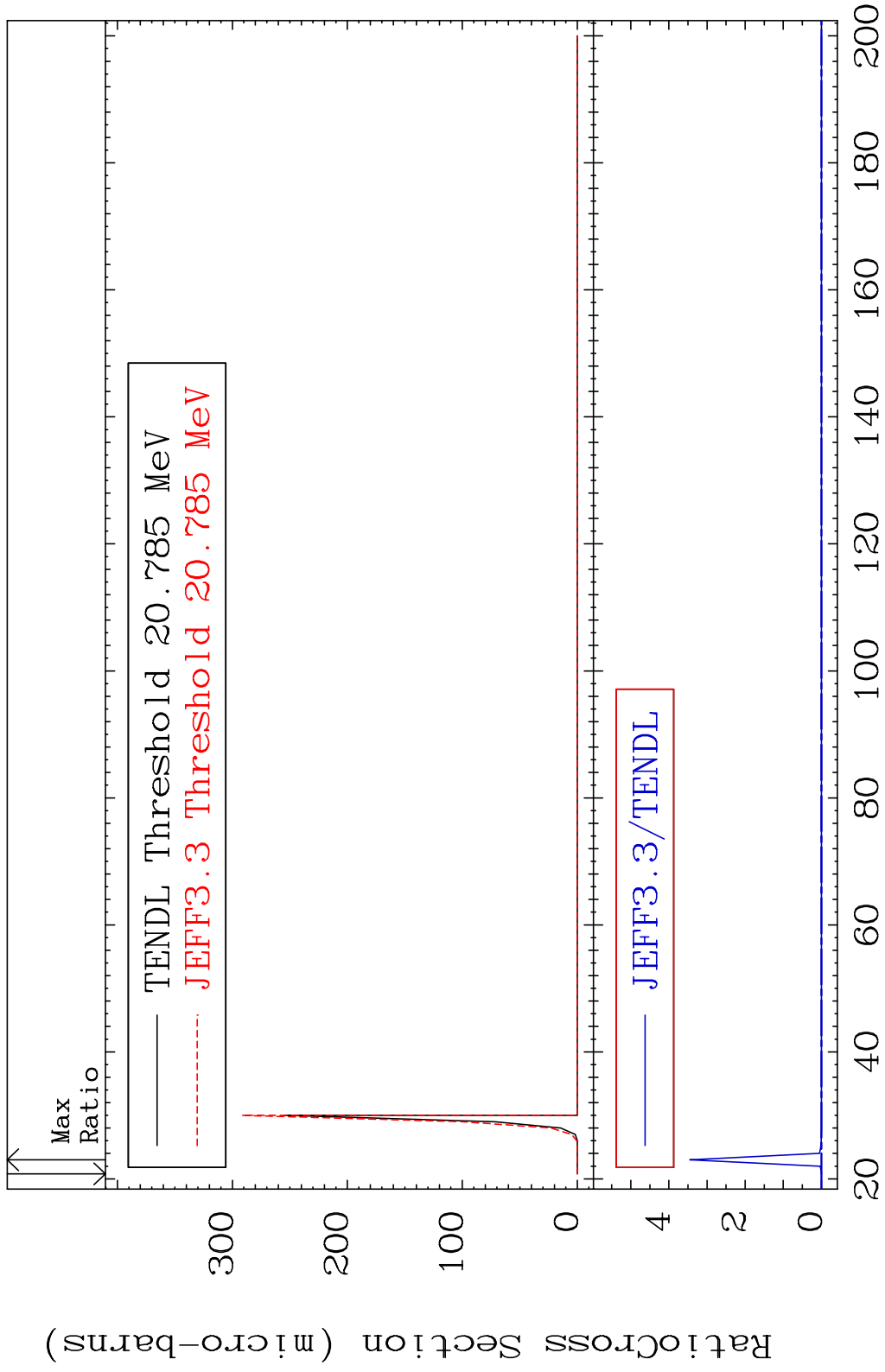
(n,2n) p

70-Yb-176

Cross Section -96.35 To 9999. %



MAT 7049 (n,3n) p 70-Yb-176
Cross Section -100.0 To 9999. %

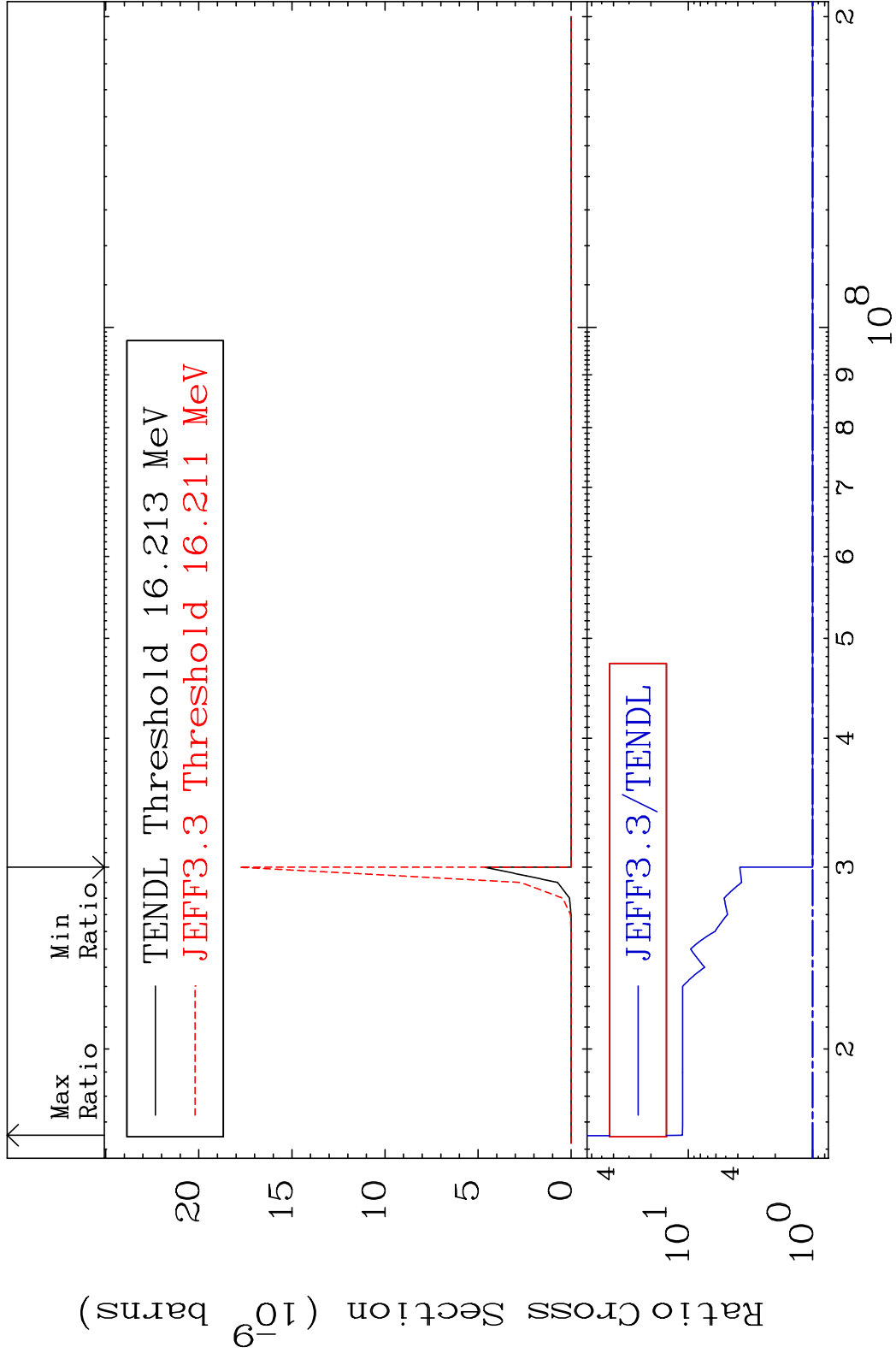


17 70-Yb-176

MAT 7049

(n,2n) p
Cross Section 0.000 To 1018. %

70-Yb-176

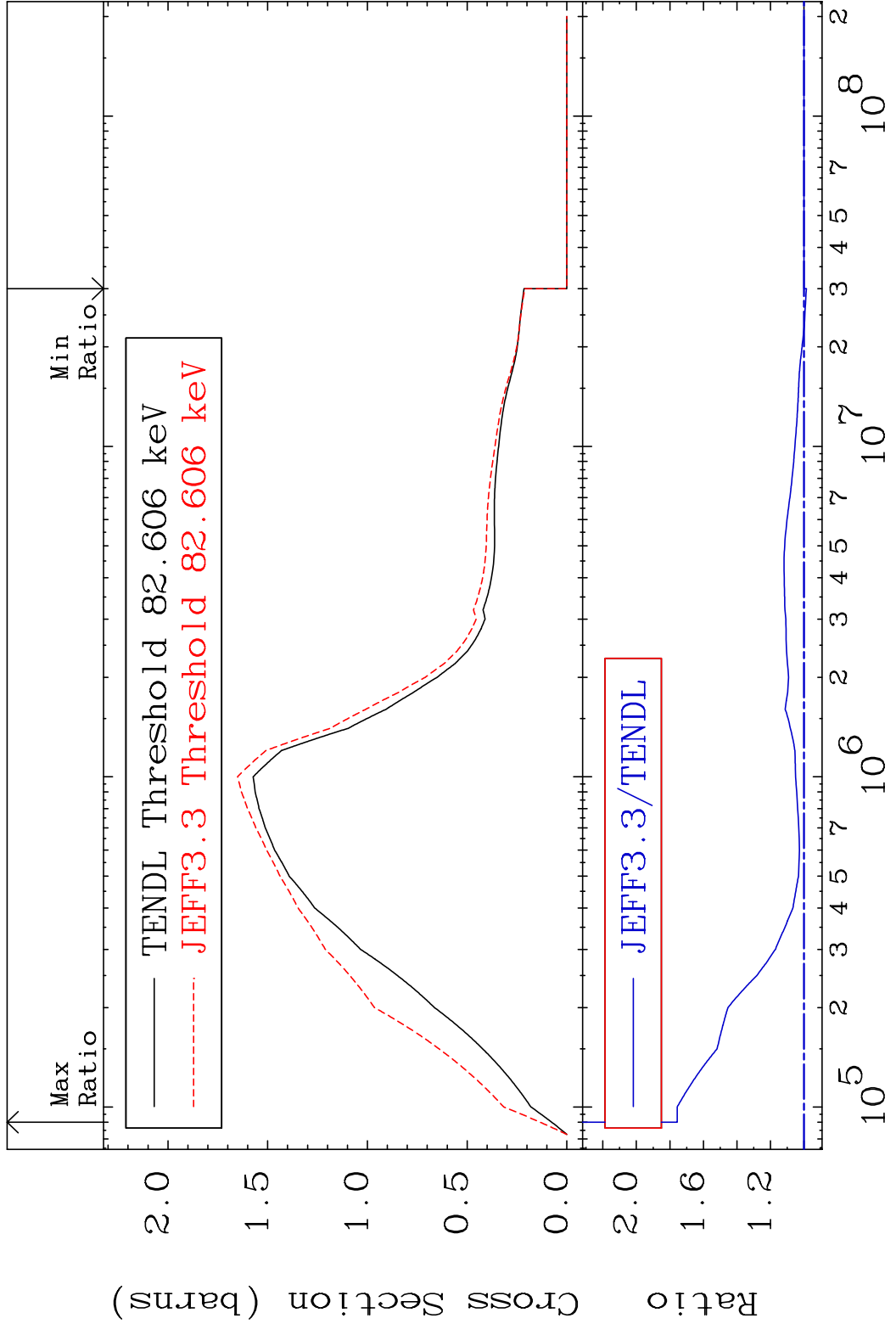


18

Incident Energy (eV)

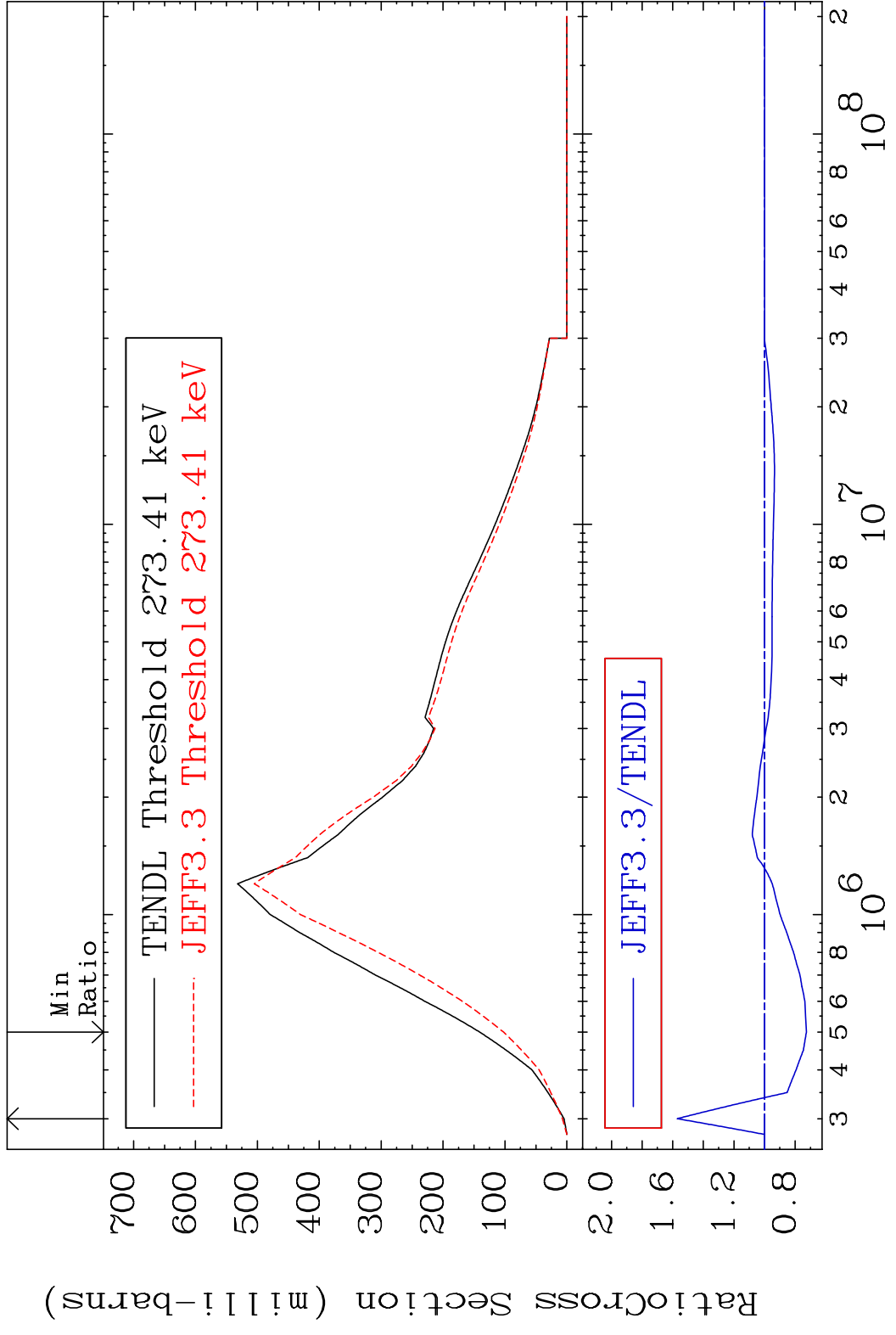
70-Yb-176

MAT 7049 MT= 51 (n, n') Level 70-Yb-176
 Cross Section -1.425 To 75.65 %

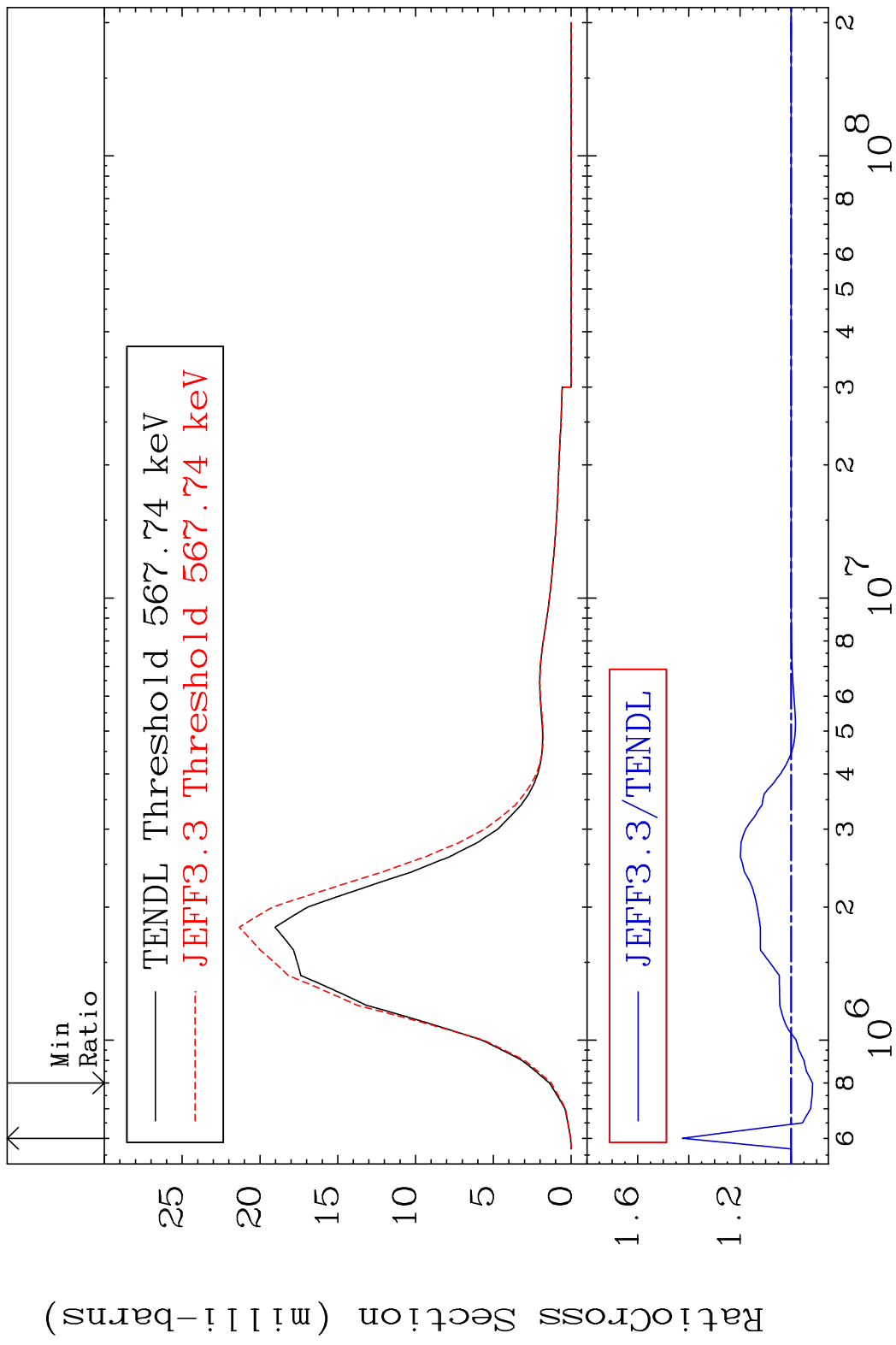


19 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 52 (n, n') Level 70-Yb-176
 Cross Section -27.35 To 57.08 %



MAT 7049 MT= 53 (n, n') Level 70-Yb-176
 Cross Section -8.367 To 42.54 %

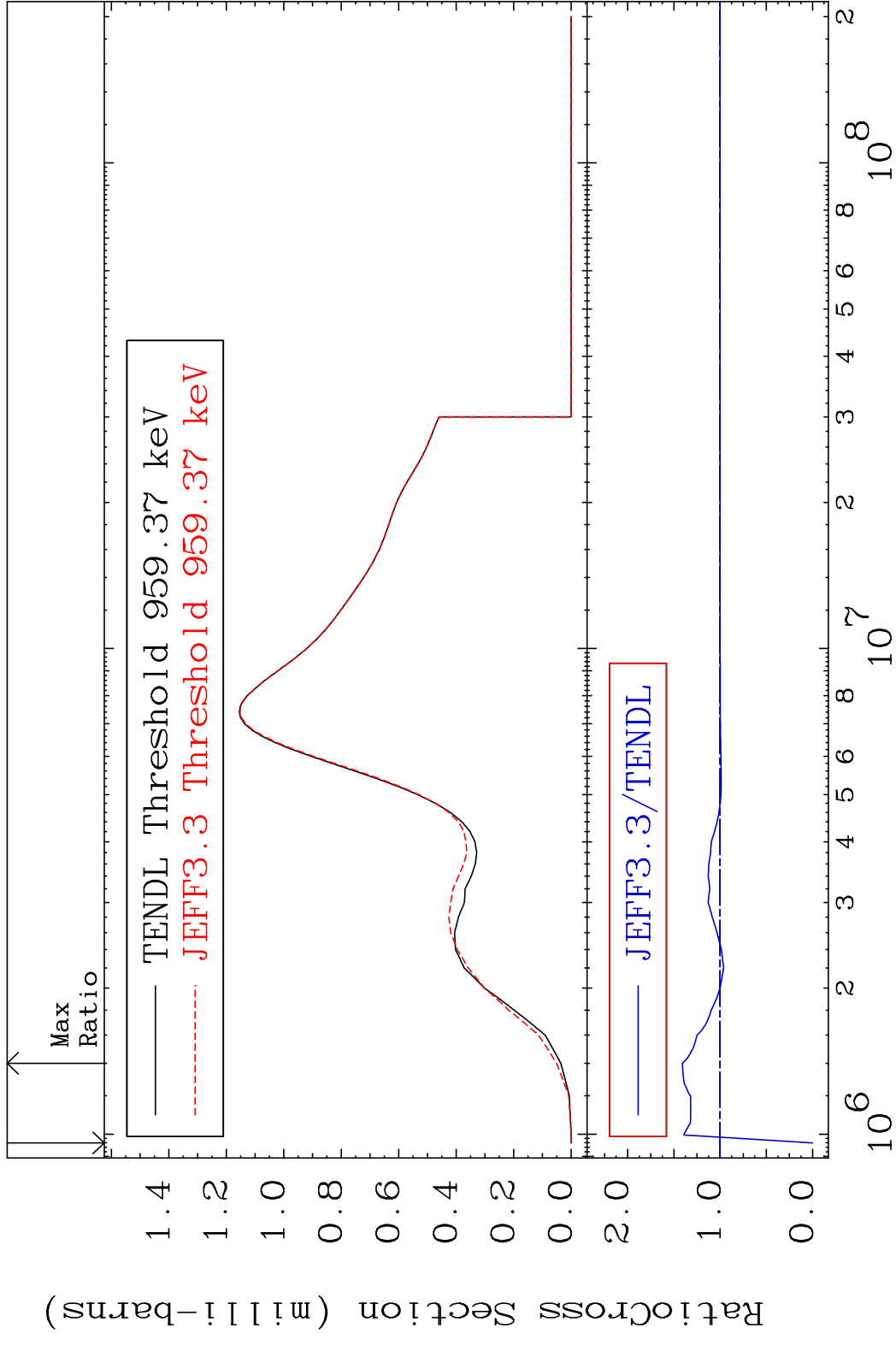


MAT 7049

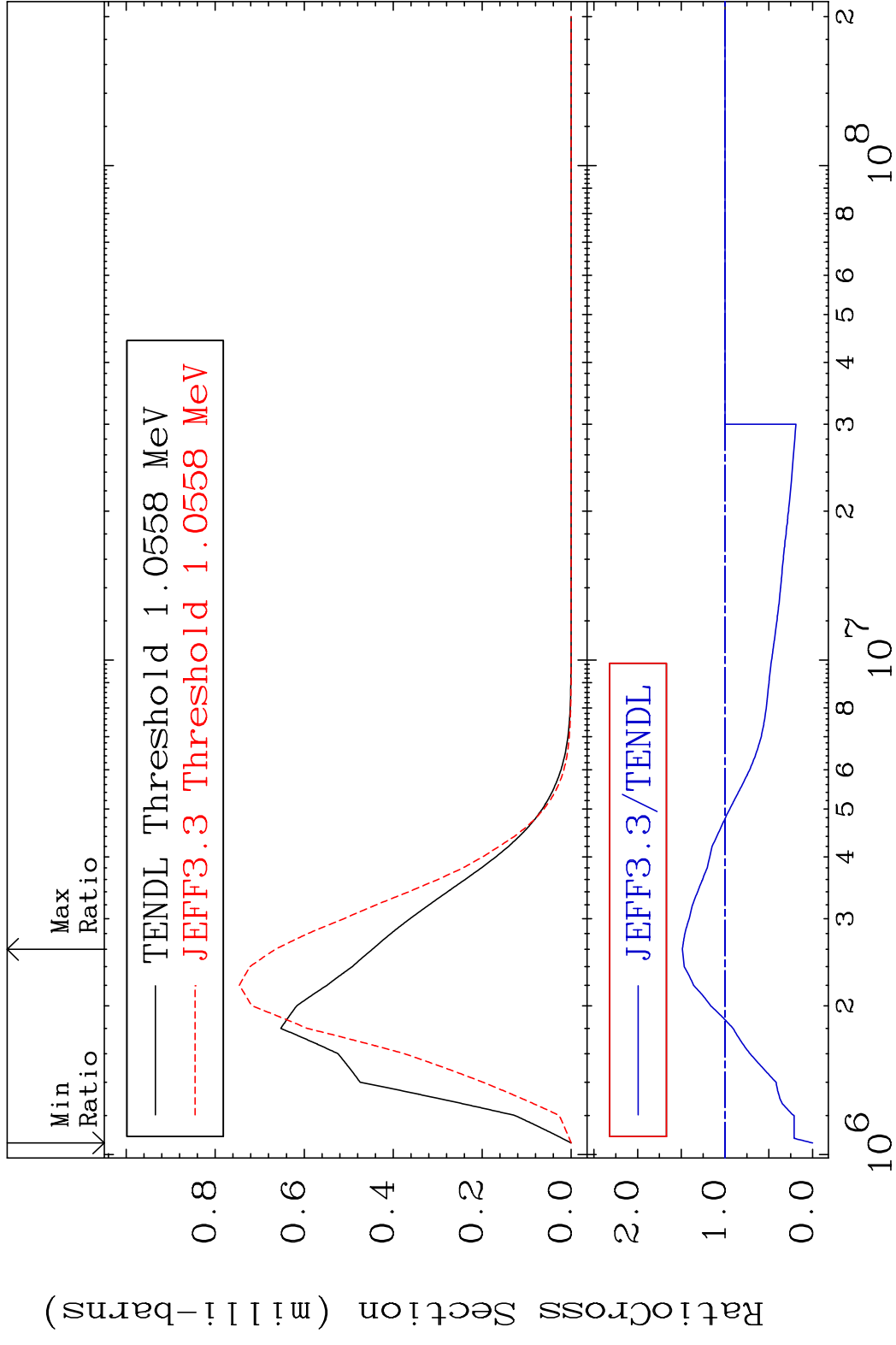
MT= 54 (n,n') Level

70-Yb-176

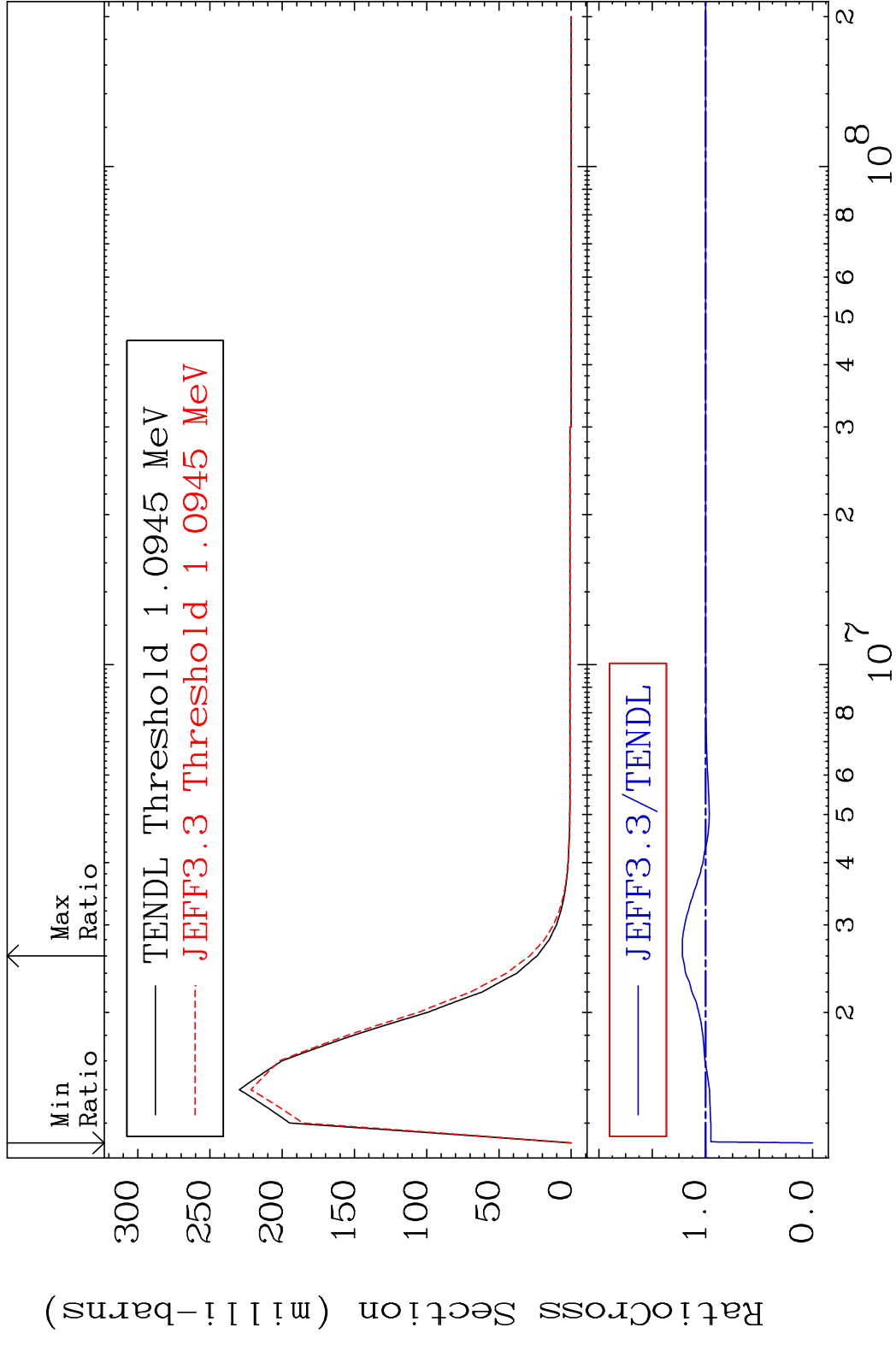
Cross Section -100.0 To 40.84 %



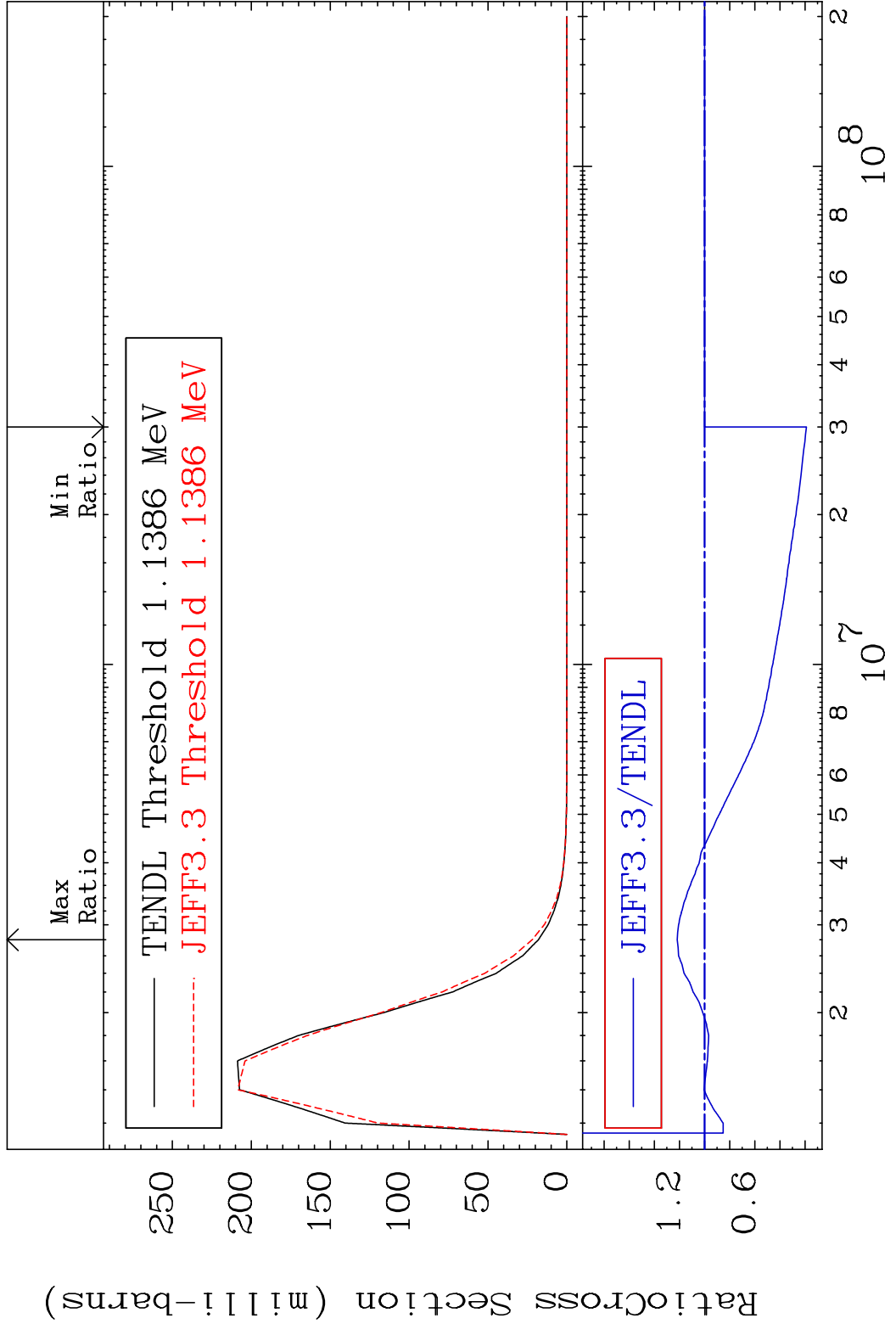
MAT 7049 MT= 55 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 48.83 %



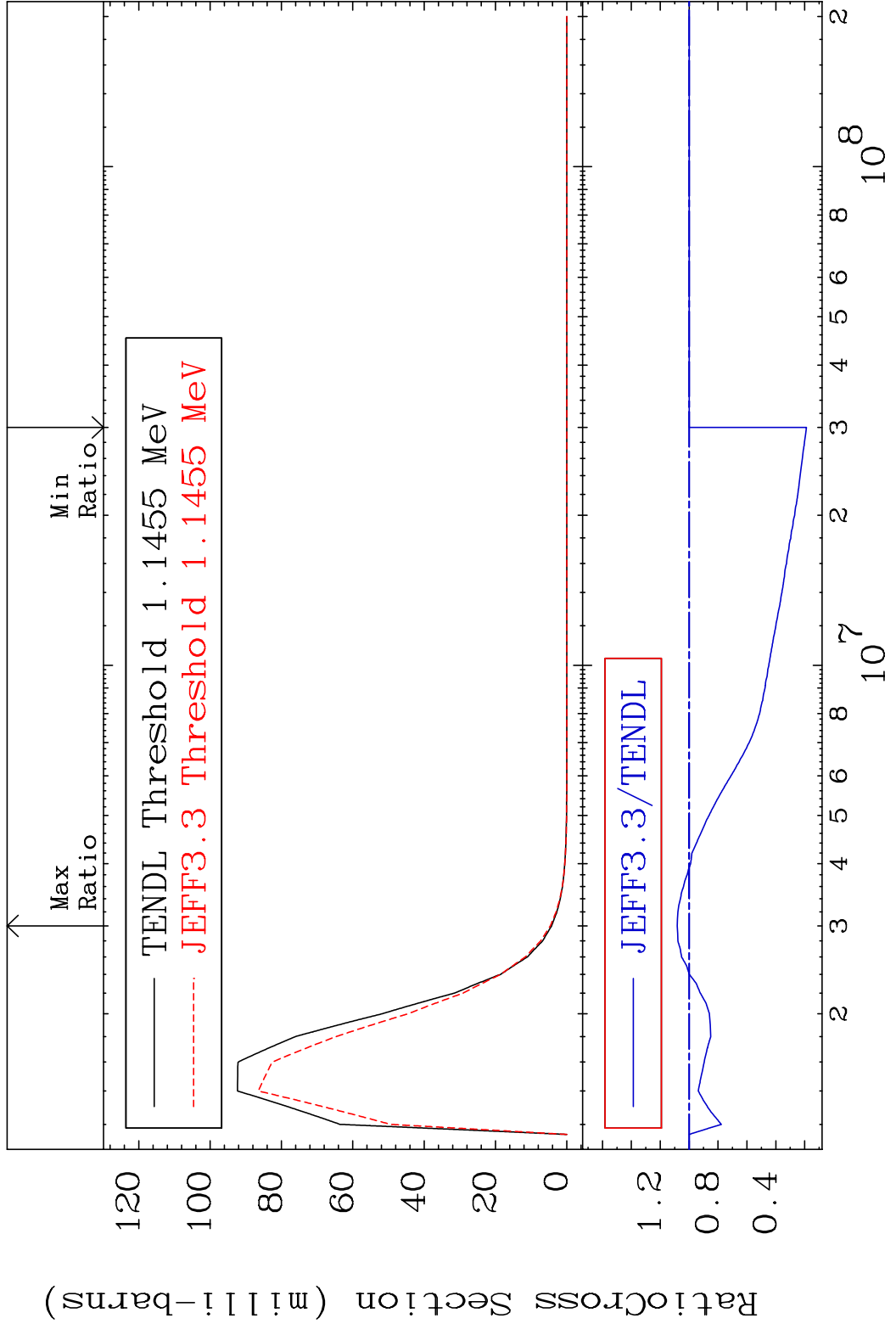
MAT 7049 MT= 56 (n,n') Level 70-Yb-176
 Cross Section -100.0 To 21.90 %



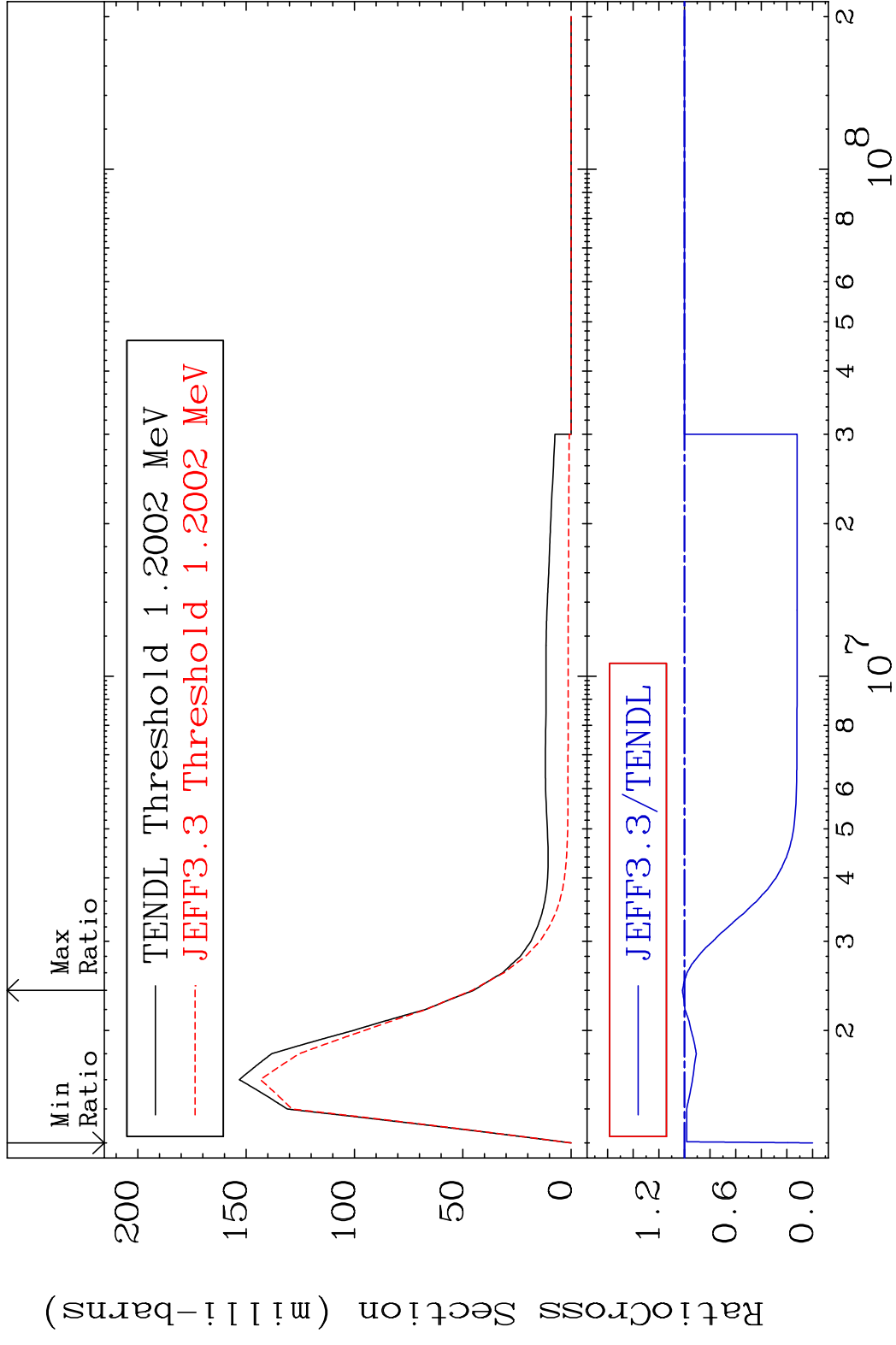
MAT 7049 MT= 57 (n, n') Level 70-Yb-176
 Cross Section -81.08 To 21.81 %



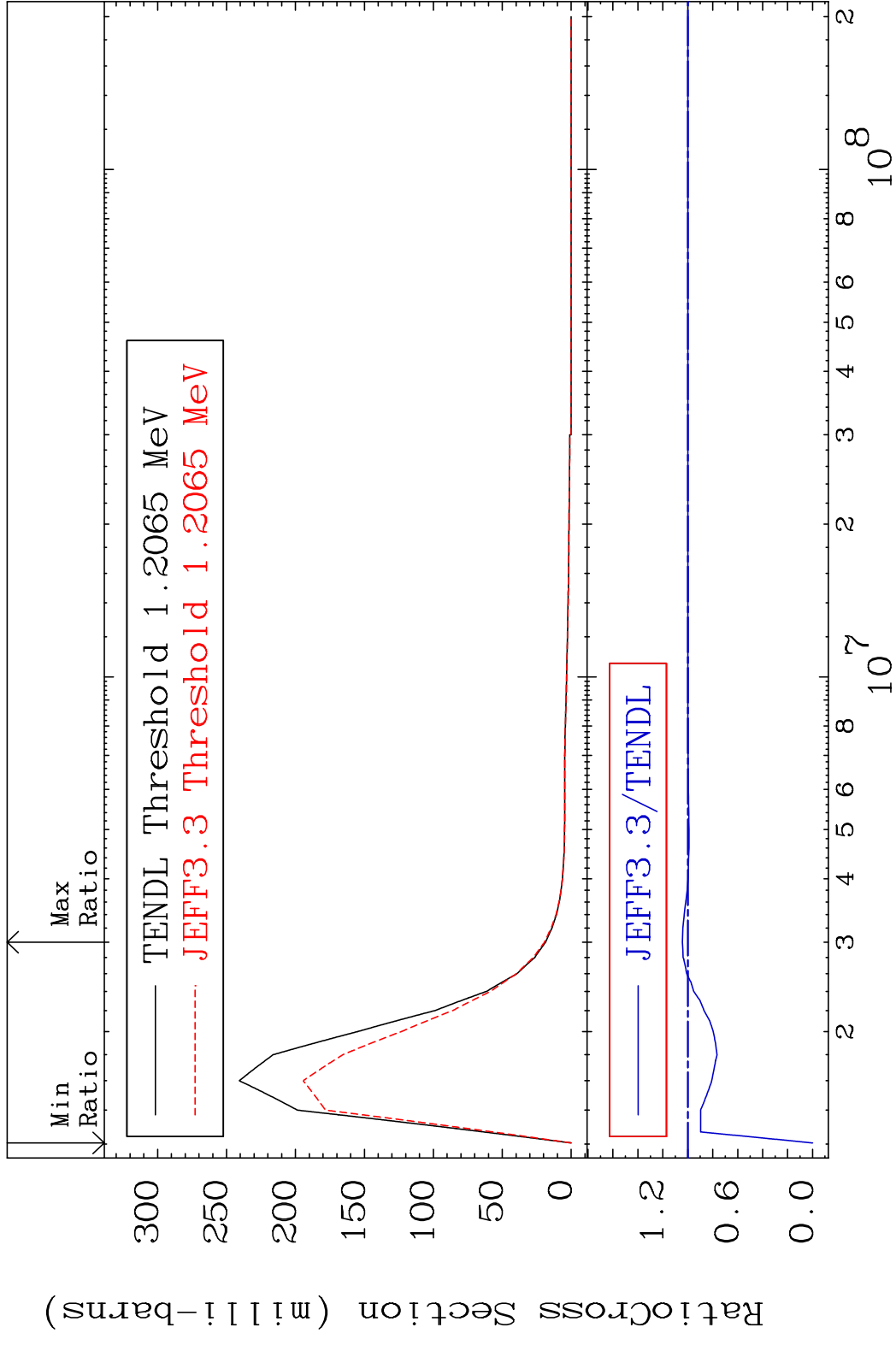
MAT 7049 MT= 58 (n, n') Level 70-Yb-176
 Cross Section -81.19 To 8.277 %



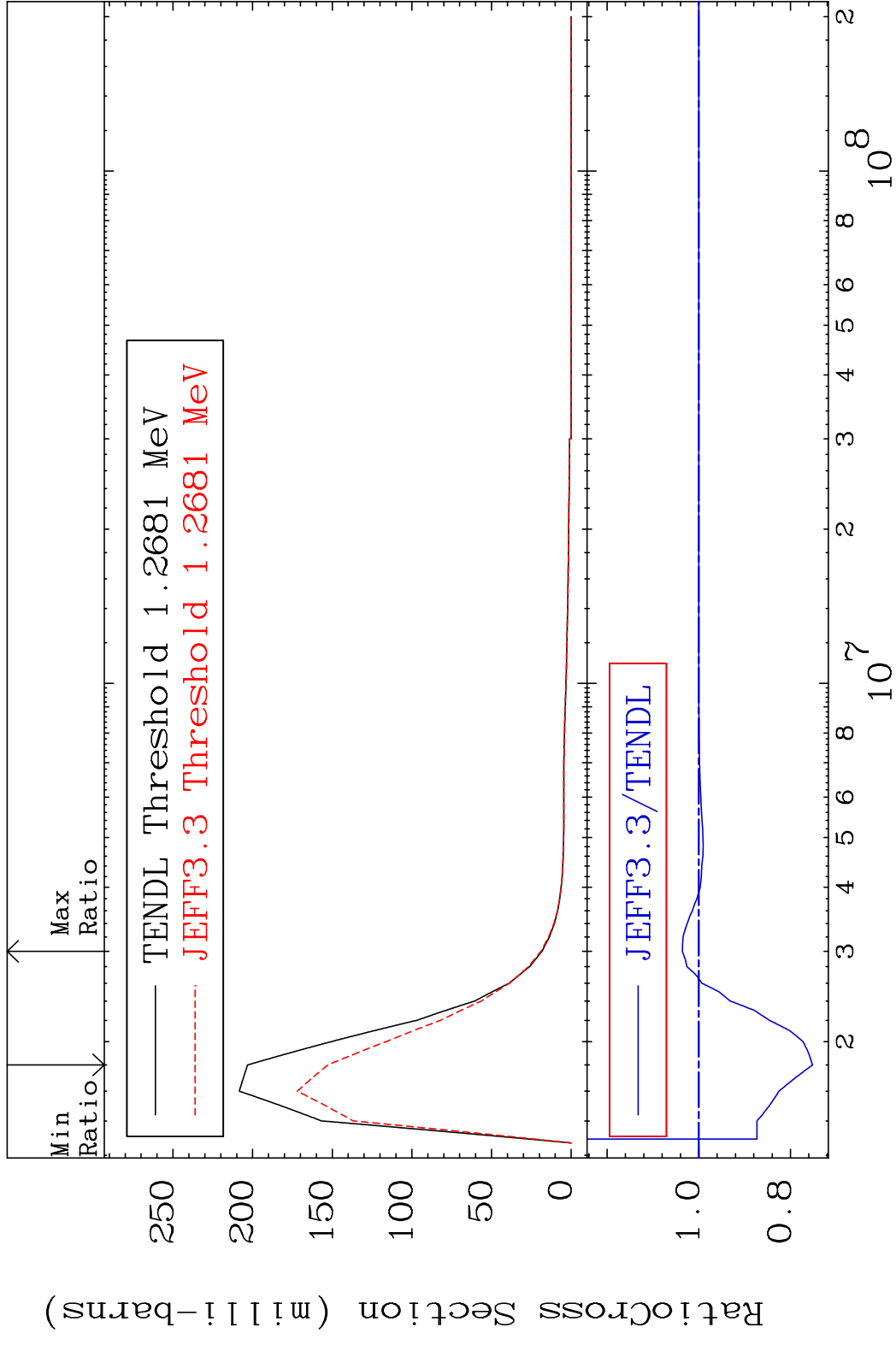
MAT 7049 MT= 59 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 1.645 %



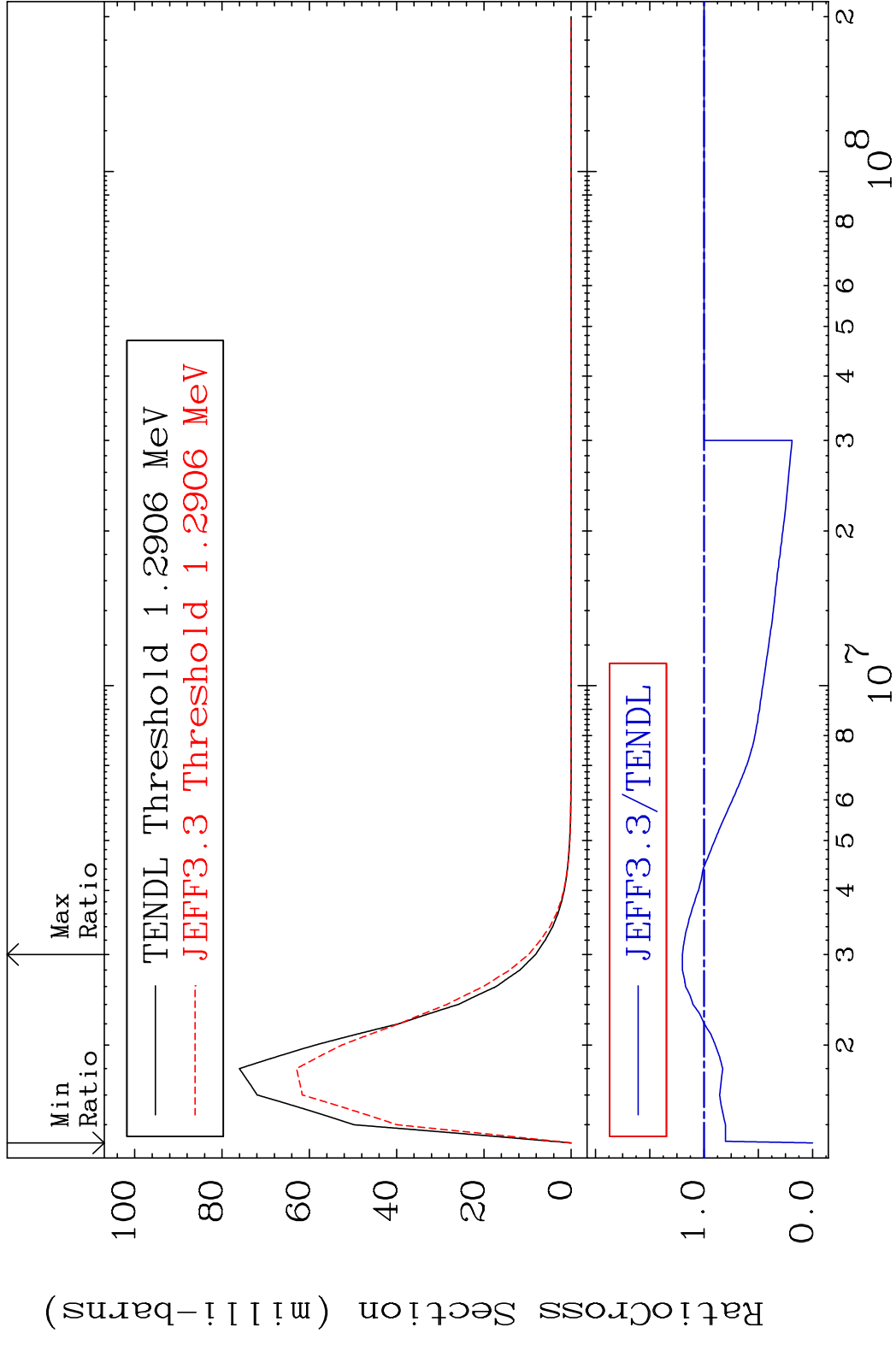
MAT 7049 MT= 60 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 4.362 %



MAT 7049 MT= 61 (n, n') Level 70-Yb-176
 Cross Section -24.81 To 3.591 %

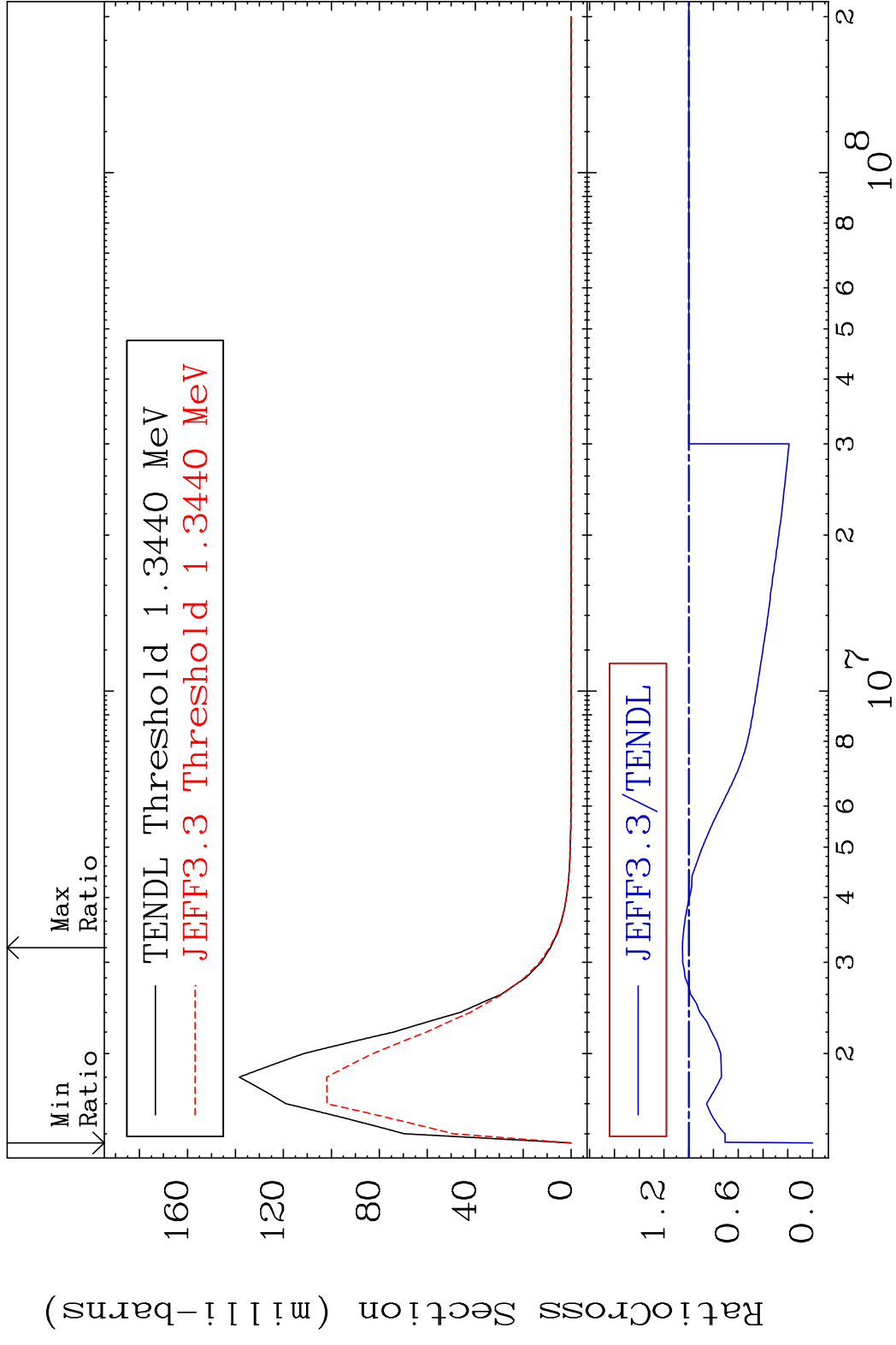


MAT 7049 MT= 62 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 19.92 %

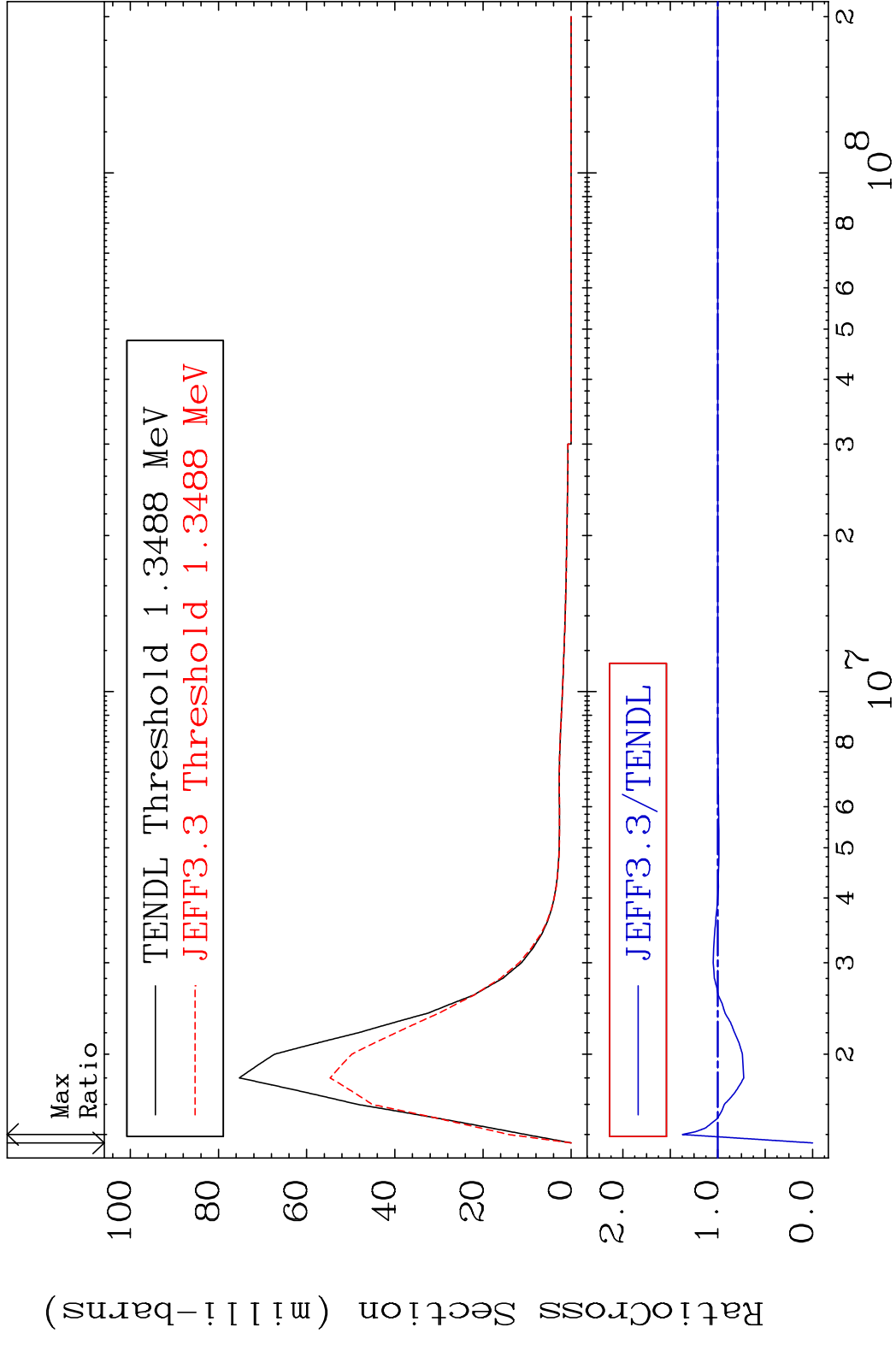


30 Incident Energy (eV) 70-Yb-176

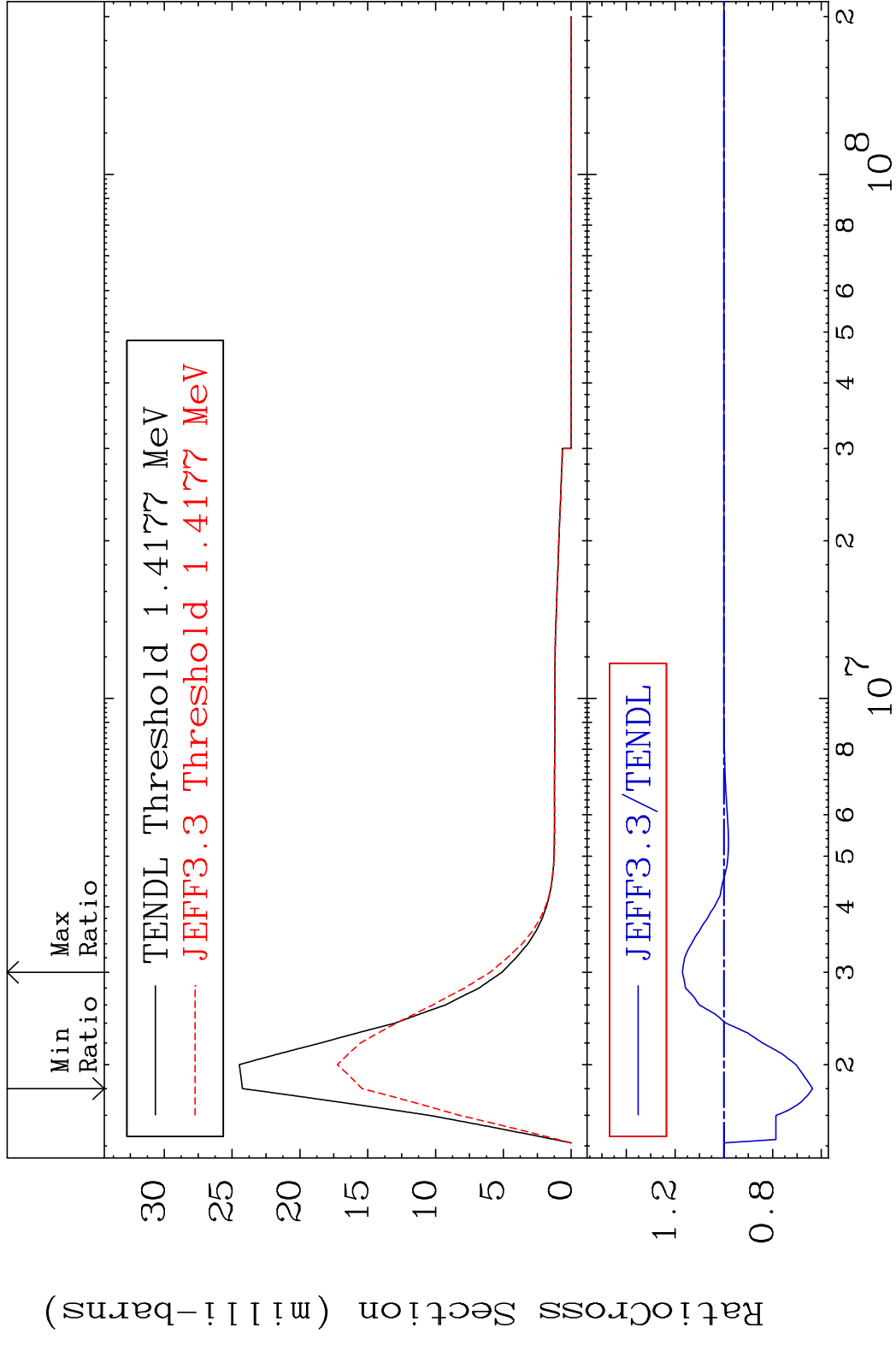
MAT 7049 MT= 63 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 5.155 %



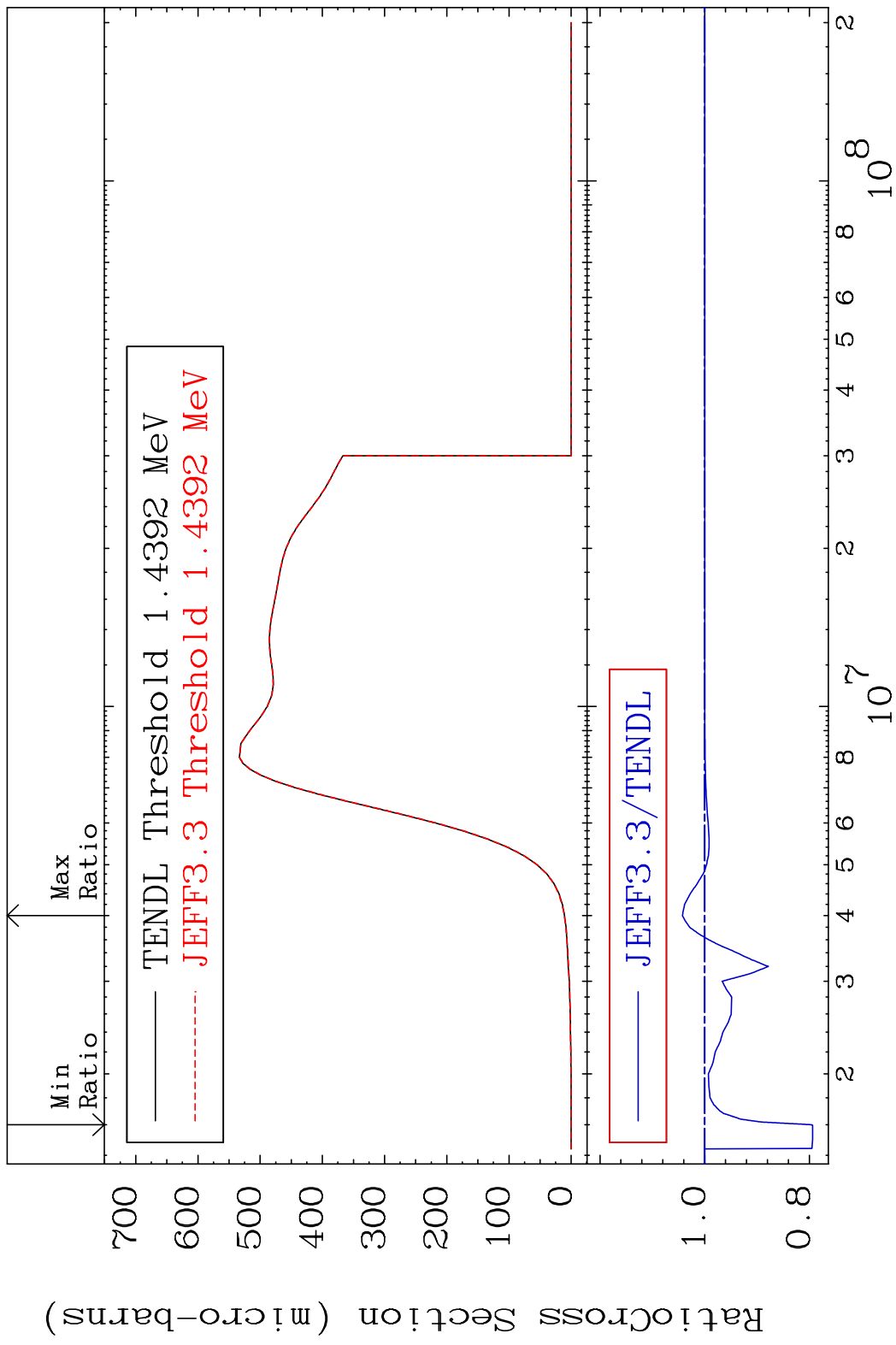
MAT 7049 MT= 64 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 37.34 %



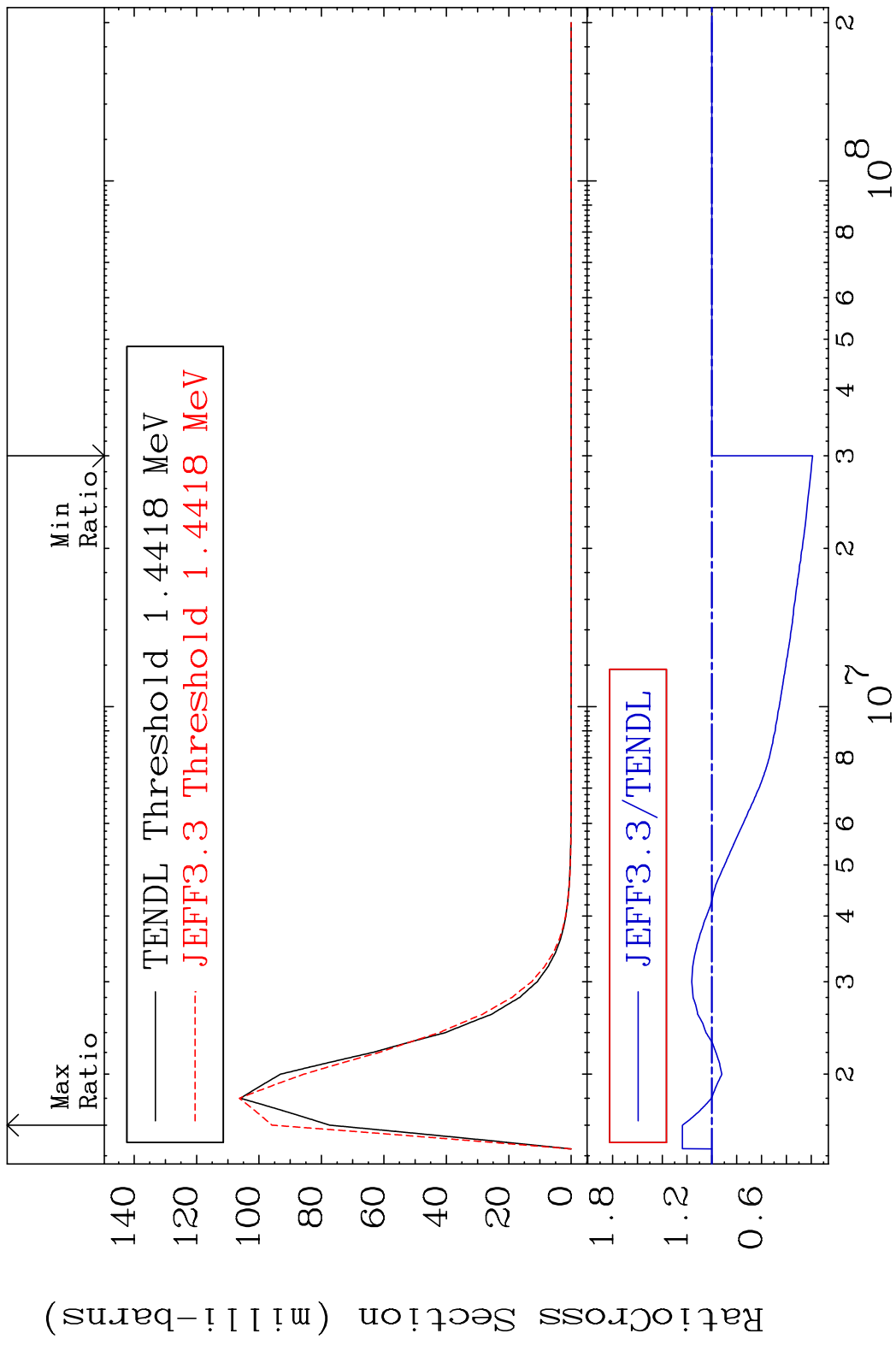
MAT 7049 MT= 65 (n,n') Level 70-Yb-176
 Cross Section -36.38 To 17.03 %



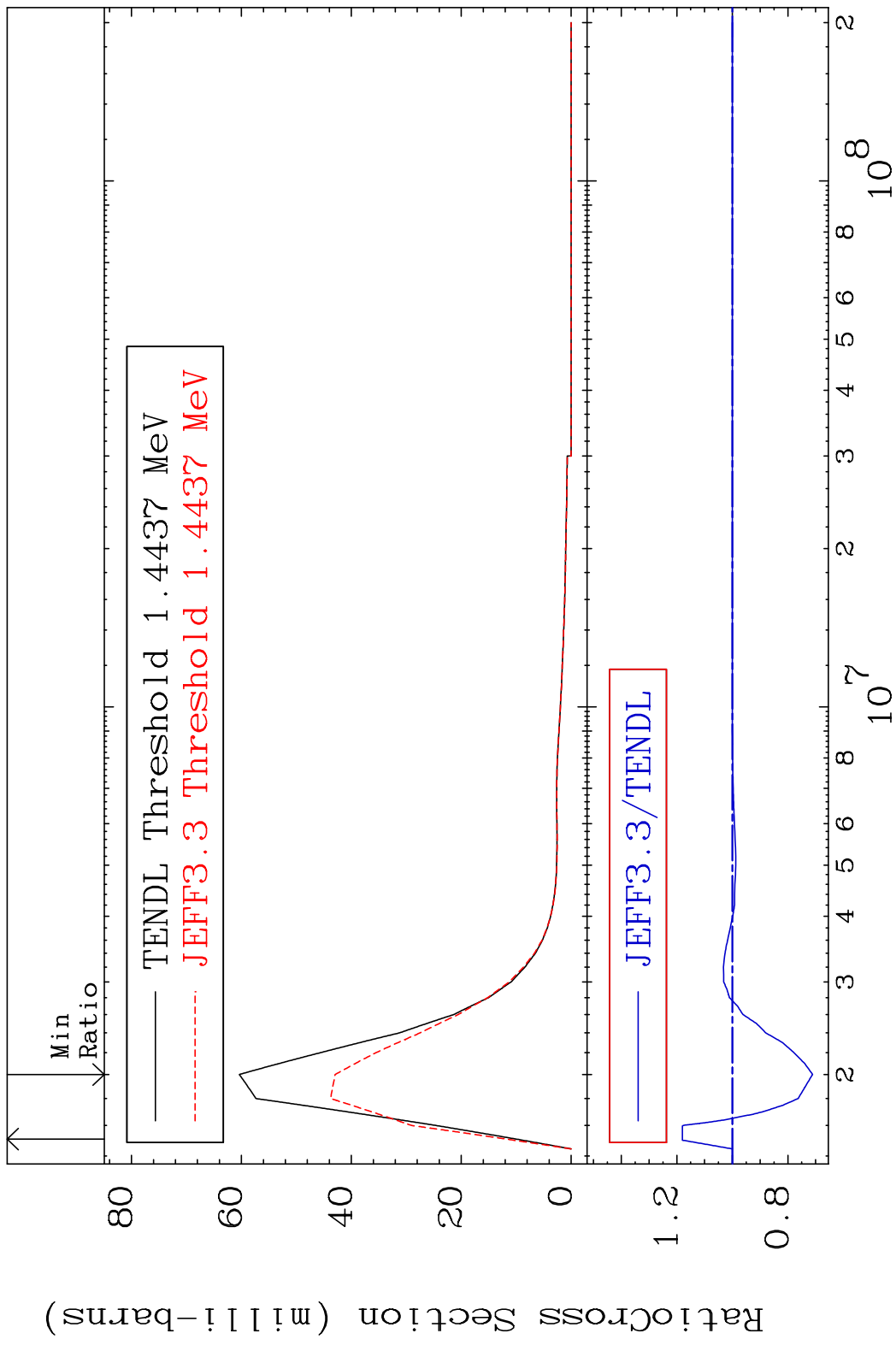
MAT 7049 MT= 66 (n, n') Level 70-Yb-176
 Cross Section -20.61 To 4.260 %



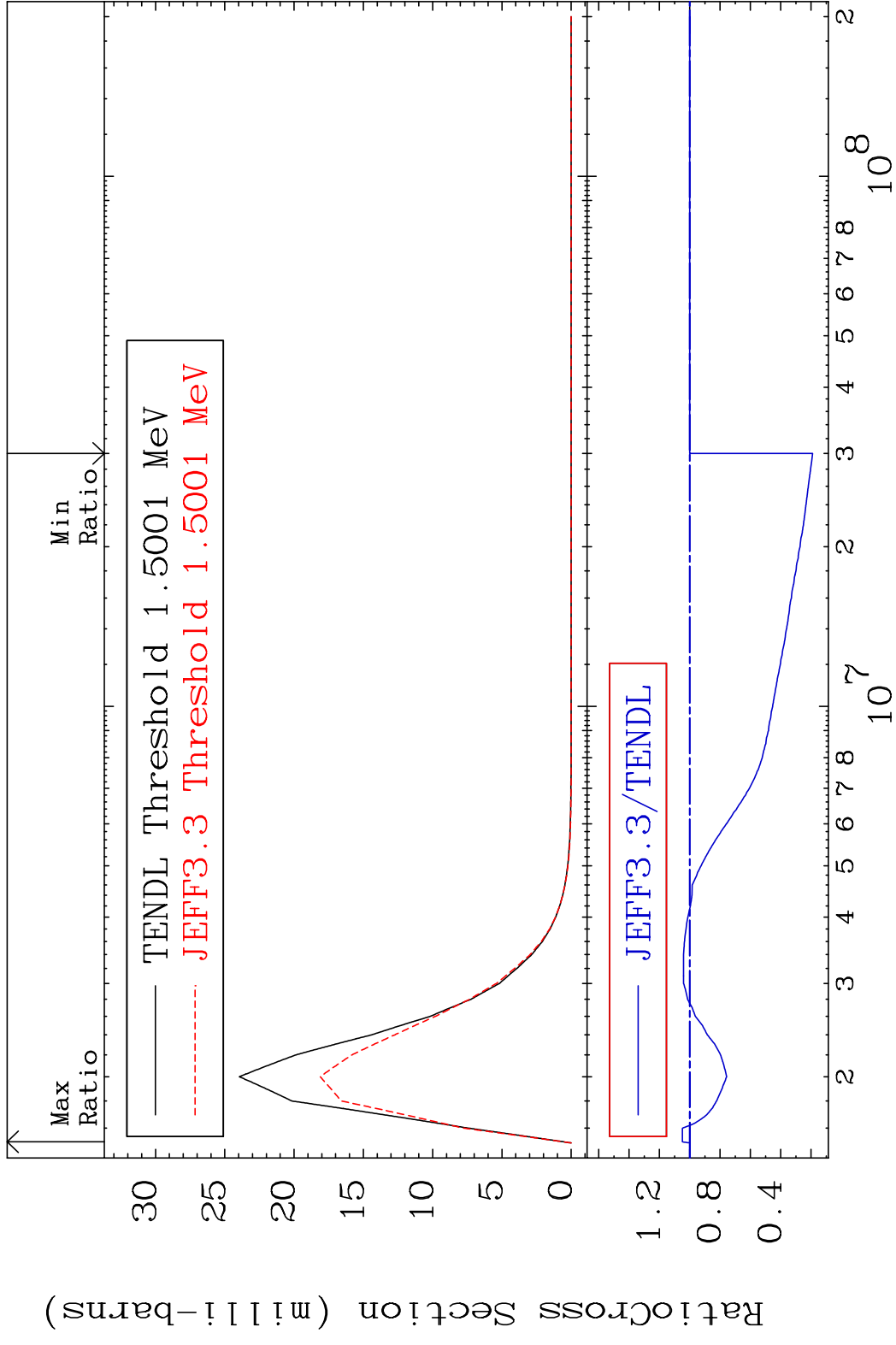
MAT 7049 MT= 67 (n, n') Level 70-Yb-176
 Cross Section -81.07 To 23.79 %



MAT 7049 MT= 68 (n, n') Level 70-Yb-176
 Cross Section -28.89 To 18.01 %



MAT 7049 MT= 69 (n, n') Level 70-Yb-176
 Cross Section -81.01 To 4.876 %

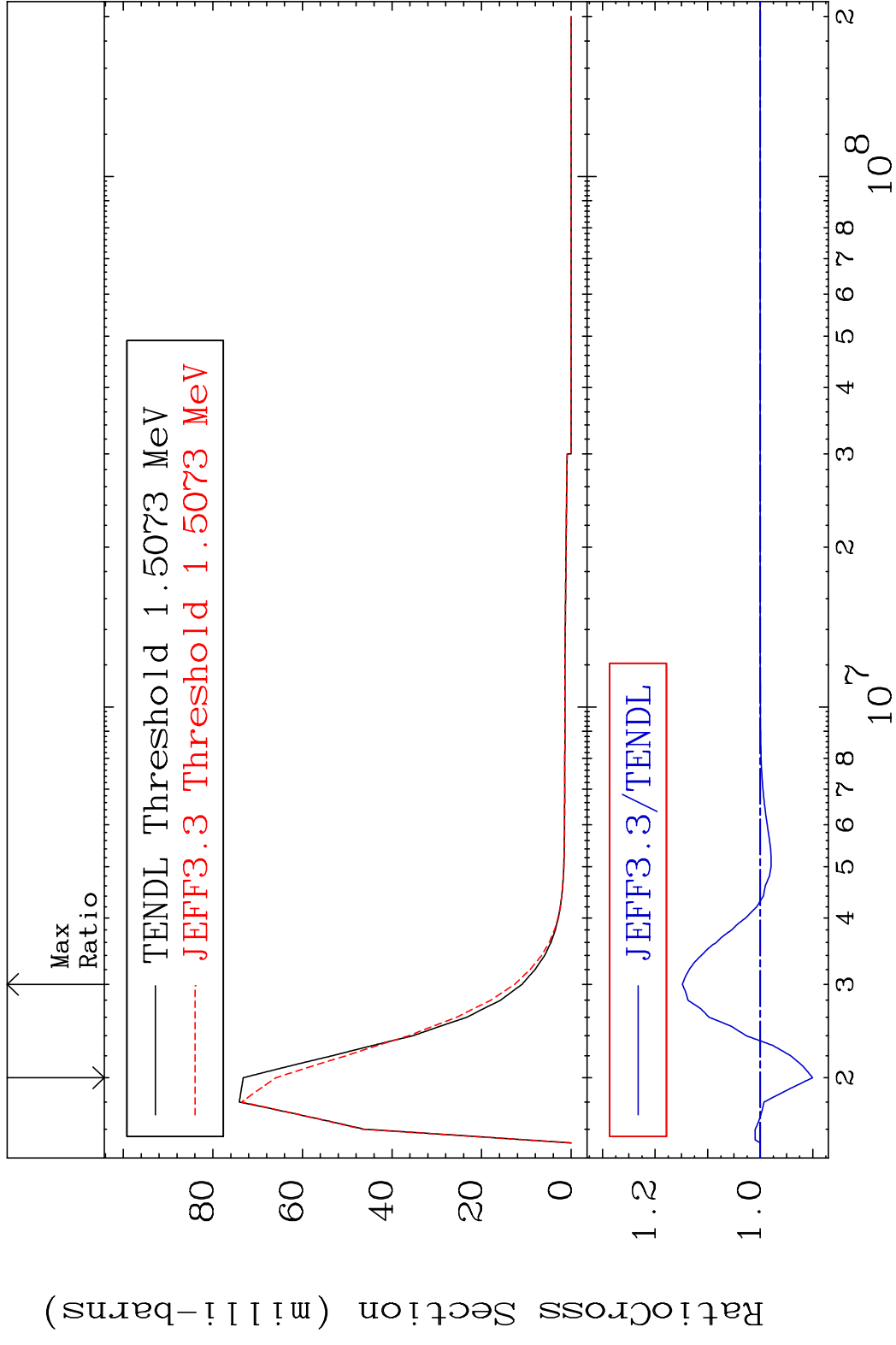


MAT 7049

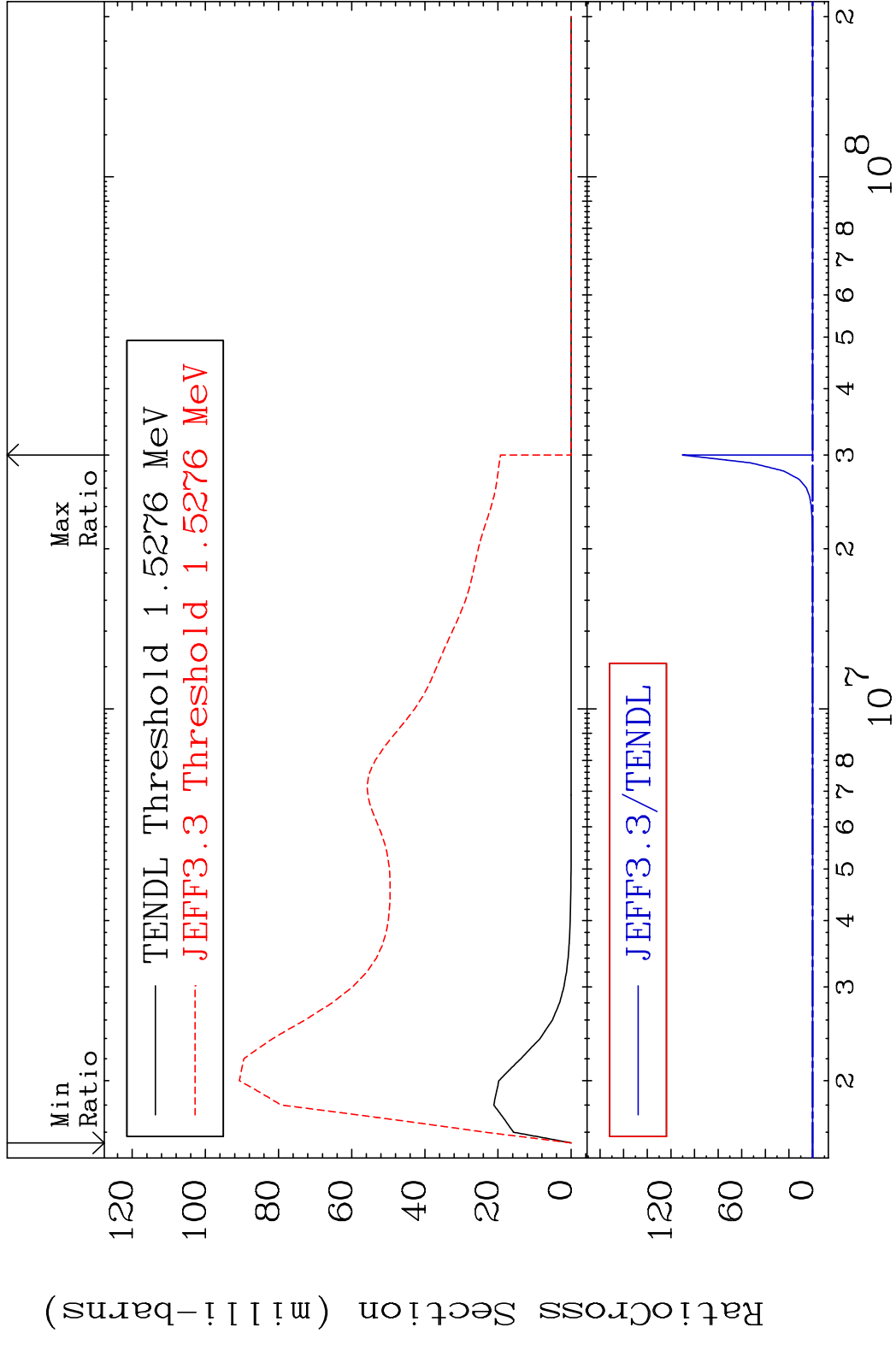
MT= 70 (n, n') Level

70-Yb-176

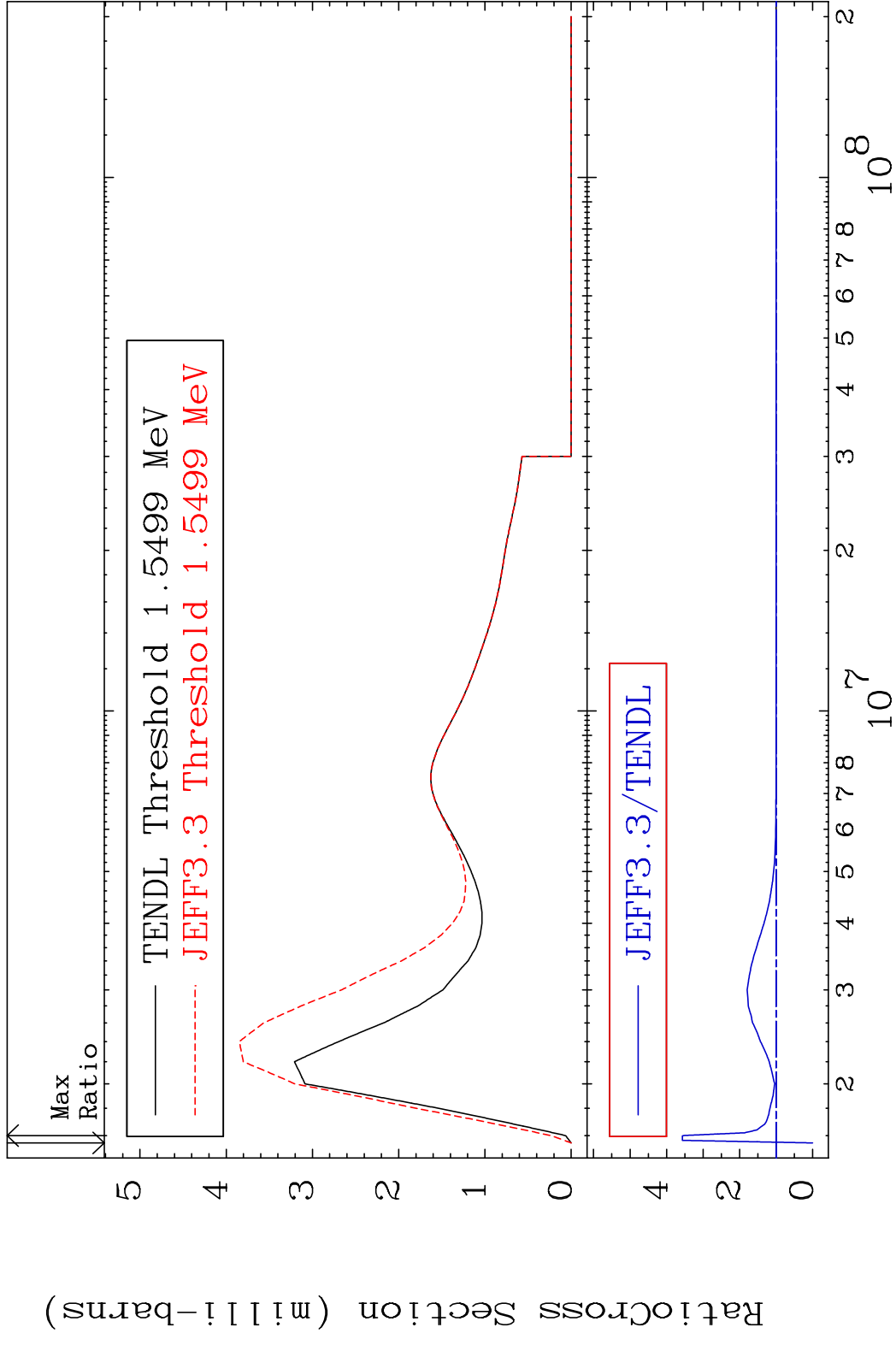
Cross Section -9.953 To 14.82 %



MAT 7049 MT= 71 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 9999. %

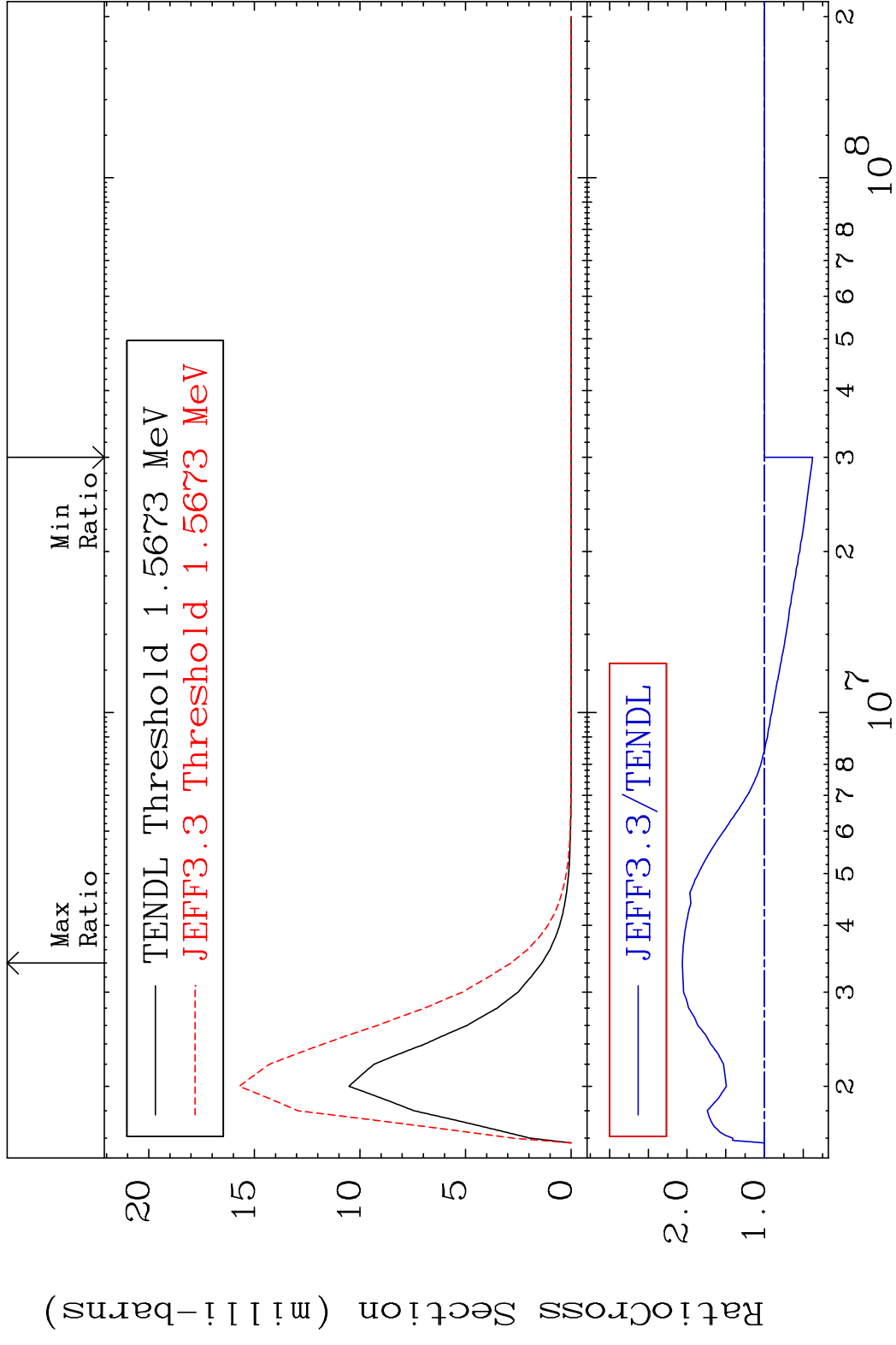


MAT 7049 MT= 72 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 256.7 %

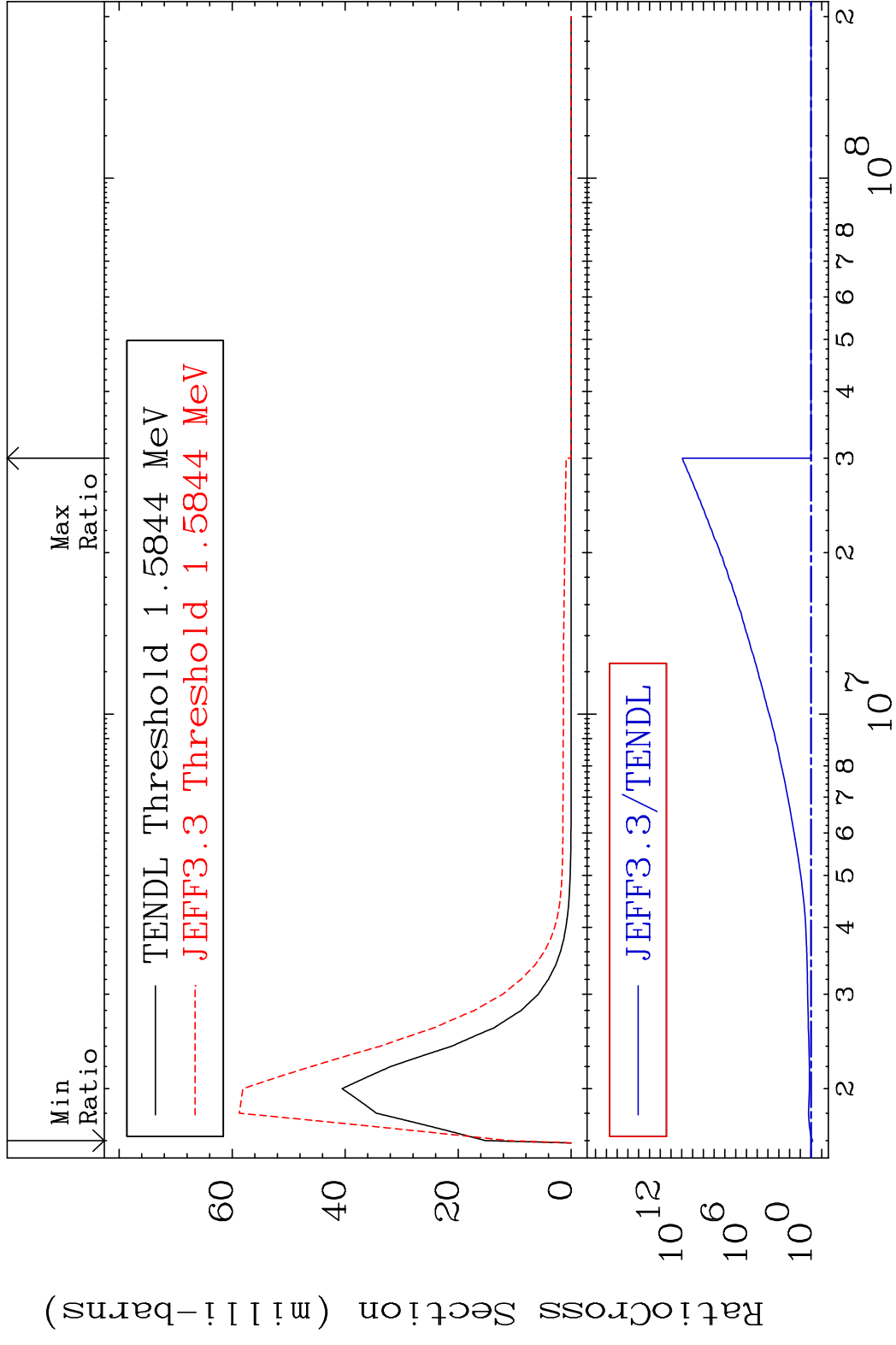


40 Incident Energy (eV) 70-Yb-176

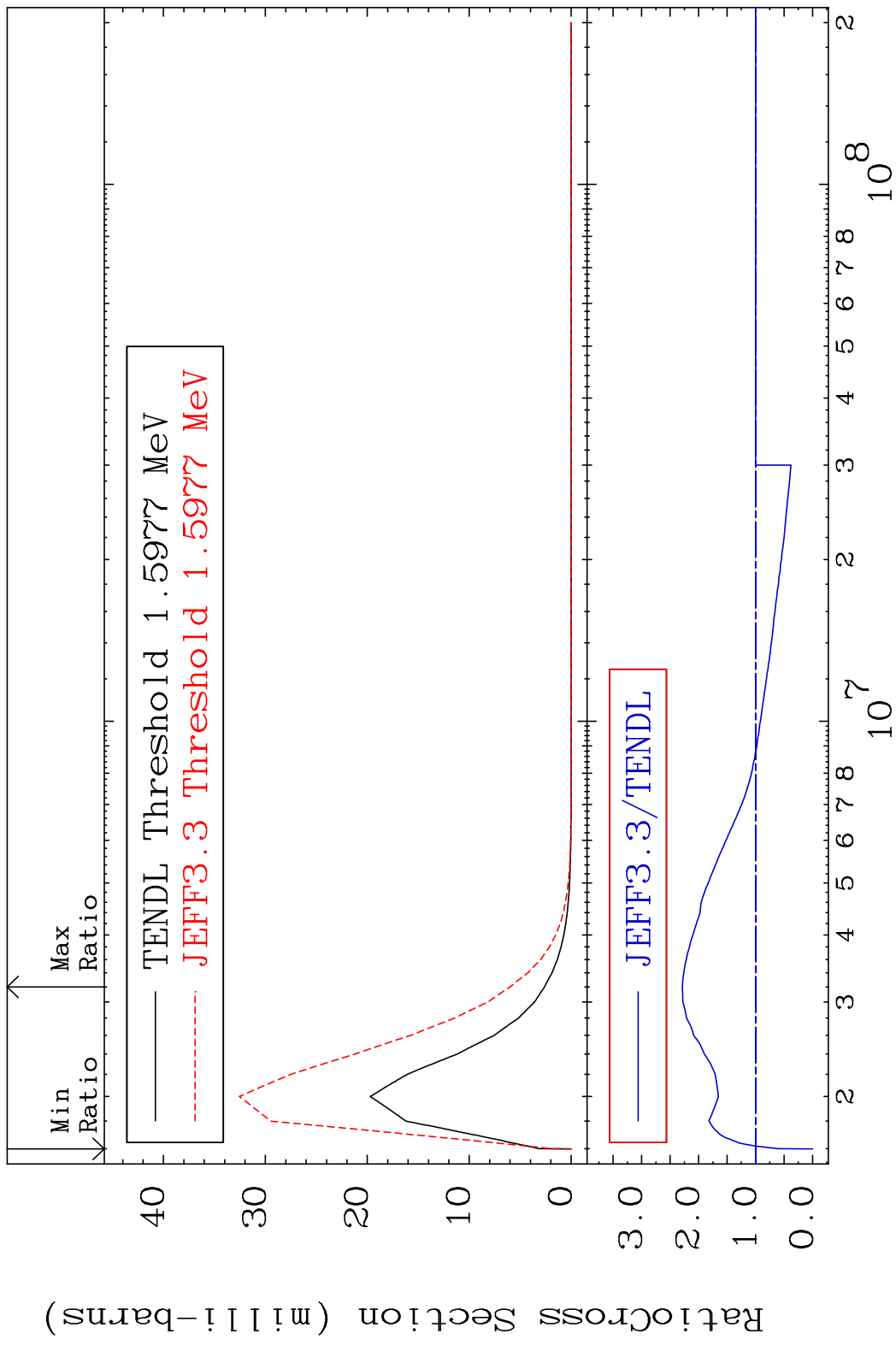
MAT 7049 MT= 73 (n, n') Level 70-Yb-176
 Cross Section -62.01 To 106.1 %



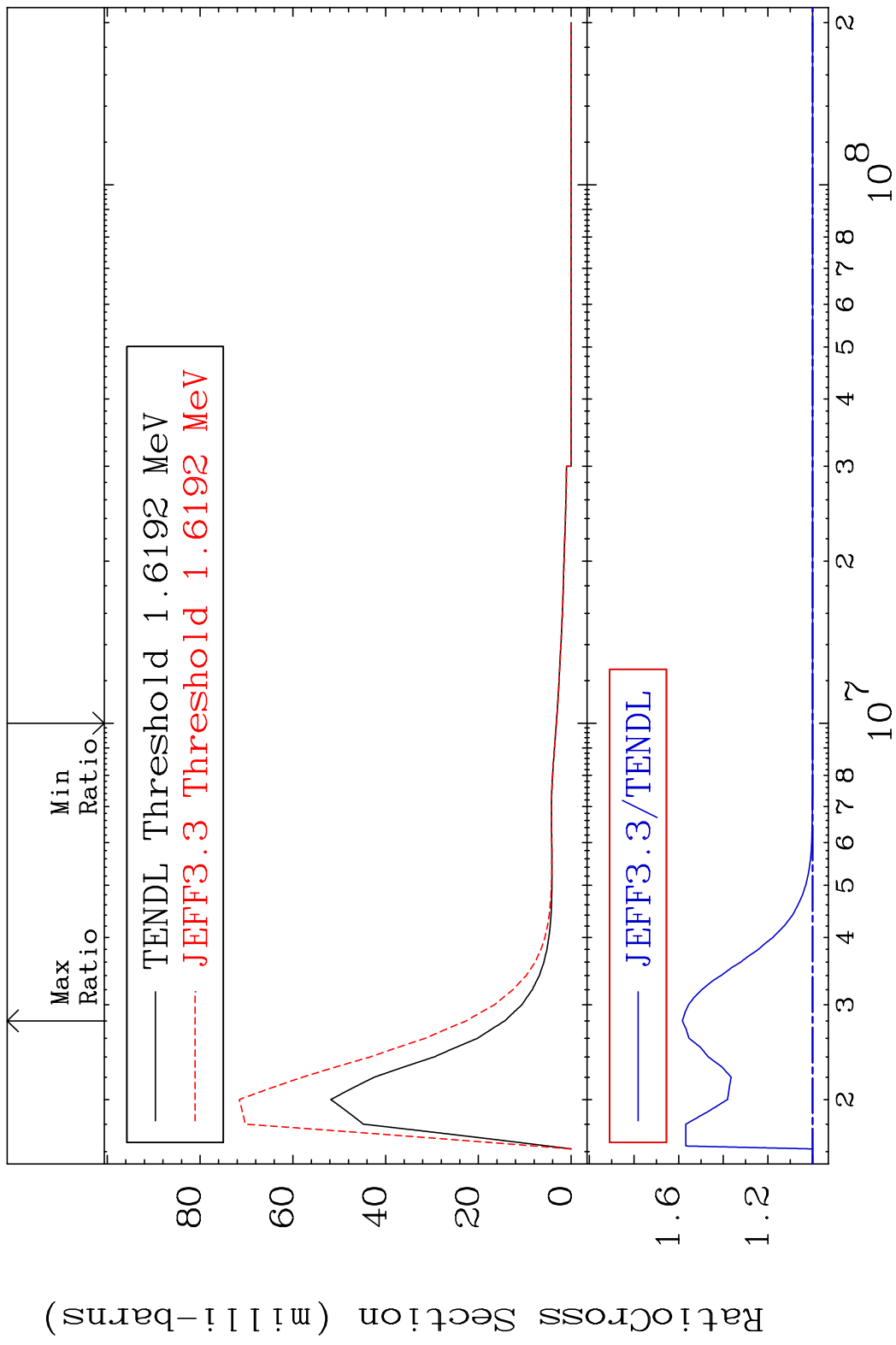
MAT 7049 MT= 74 (n, n') Level 70-Yb-176
 Cross Section -27.31 To 9999. %



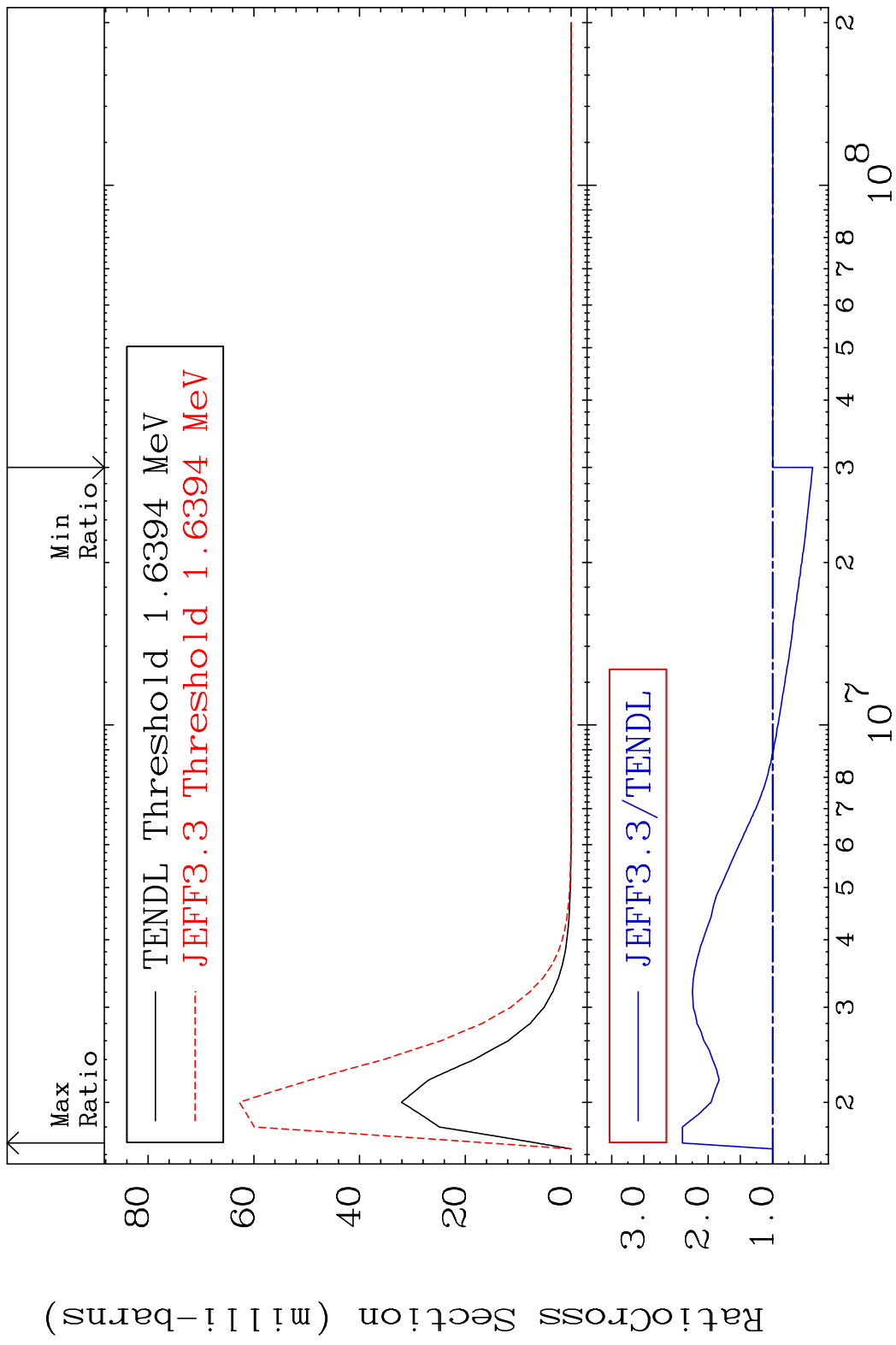
MAT 7049 MT= 75 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 128.5 %



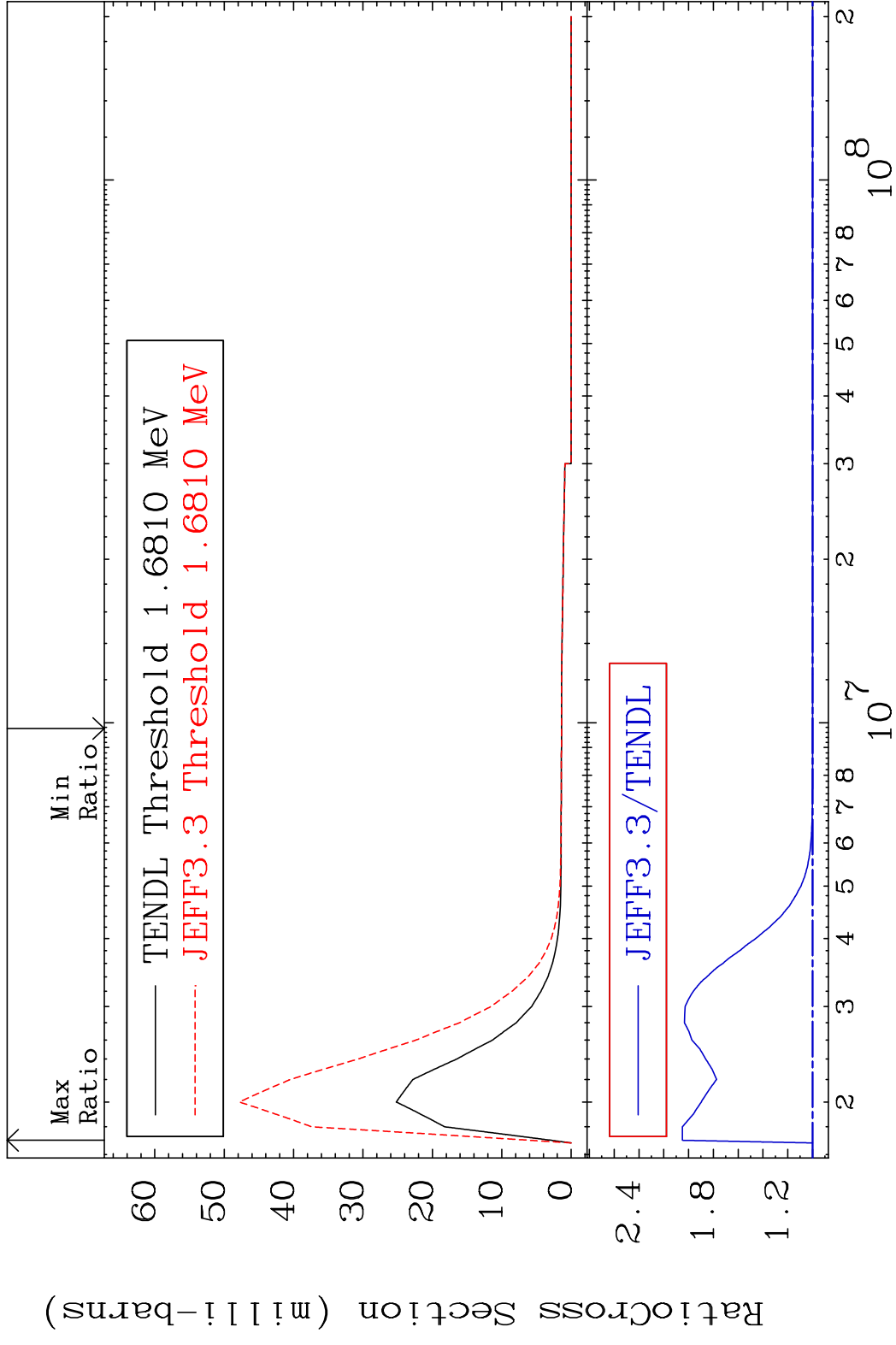
MAT 7049 MT= 76 (n,n') Level 70-Yb-176
 Cross Section 0.000 To 58.36 %



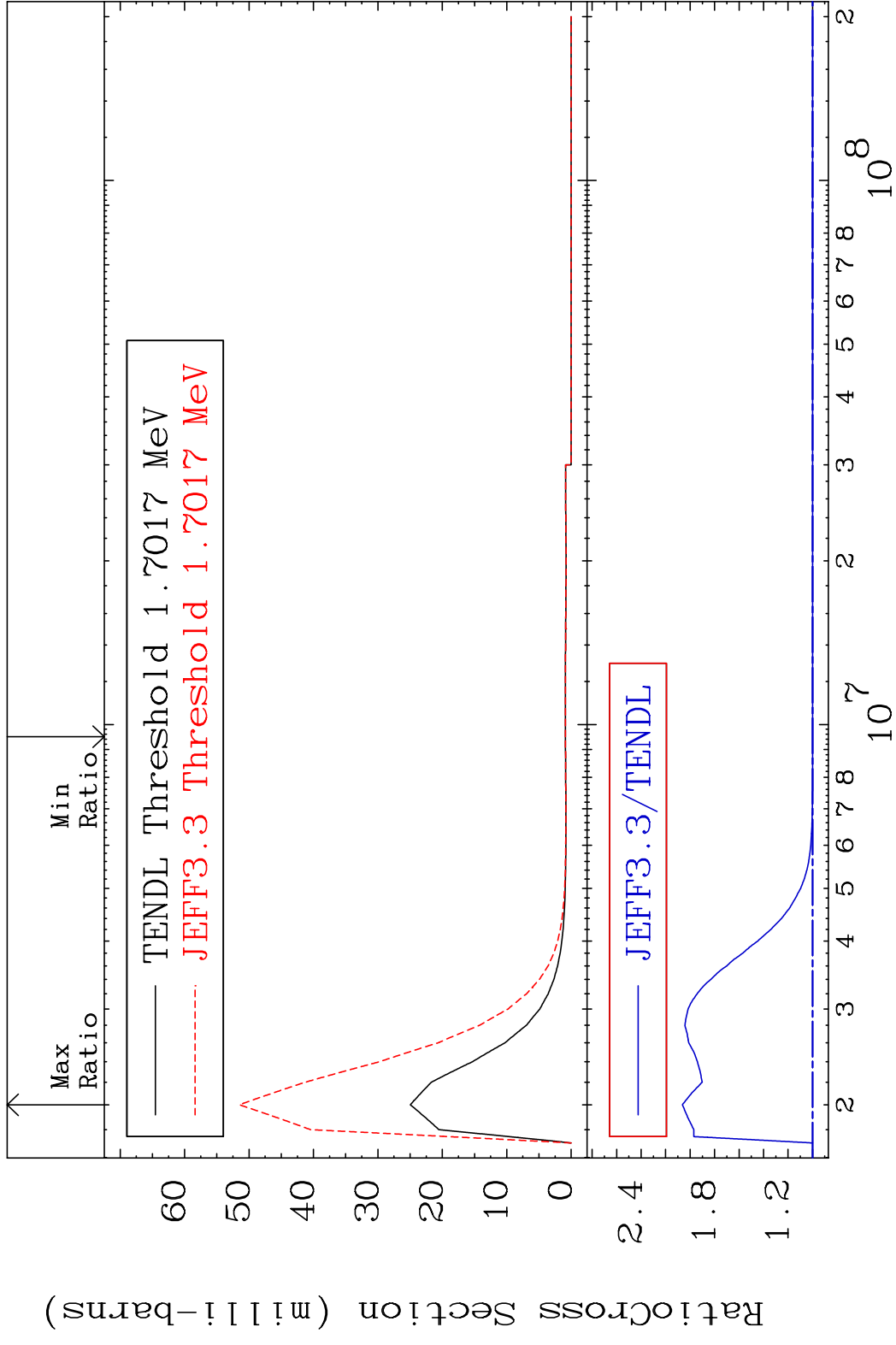
MAT 7049 MT= 77 (n, n') Level 70-Yb-176
 Cross Section -62.13 To 140.2 %



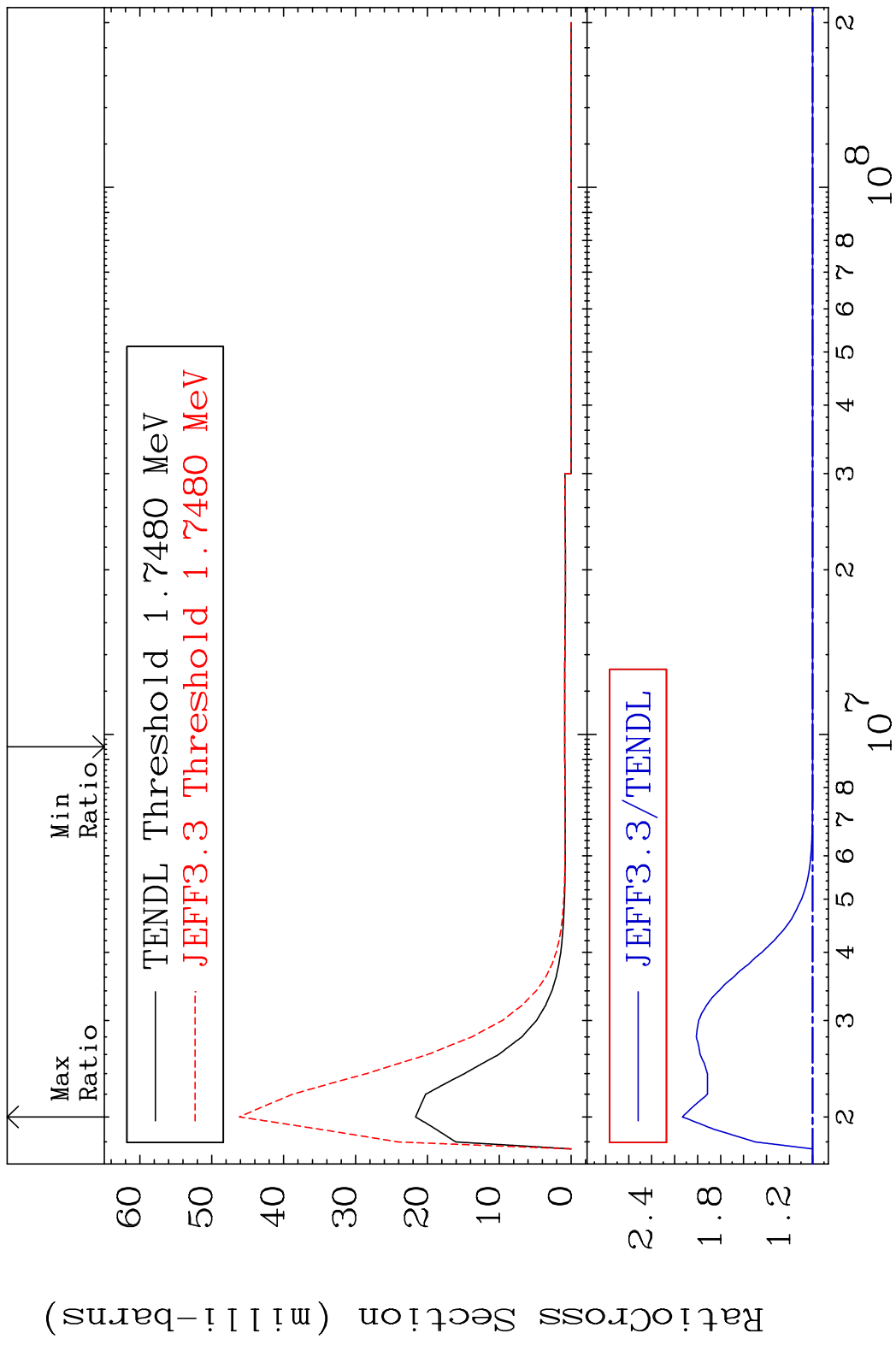
MAT 7049 MT= 78 (n, n') Level 70-Yb-176
 Cross Section -0.001 To 105.0 %



MAT 7049 MT= 79 (n, n') Level 70-Yb-176
 Cross Section -0.001 To 106.3 %



MAT 7049 MT= 80 (n, n') Level 70-Yb-176
 Cross Section -0.001 To 113.3 %

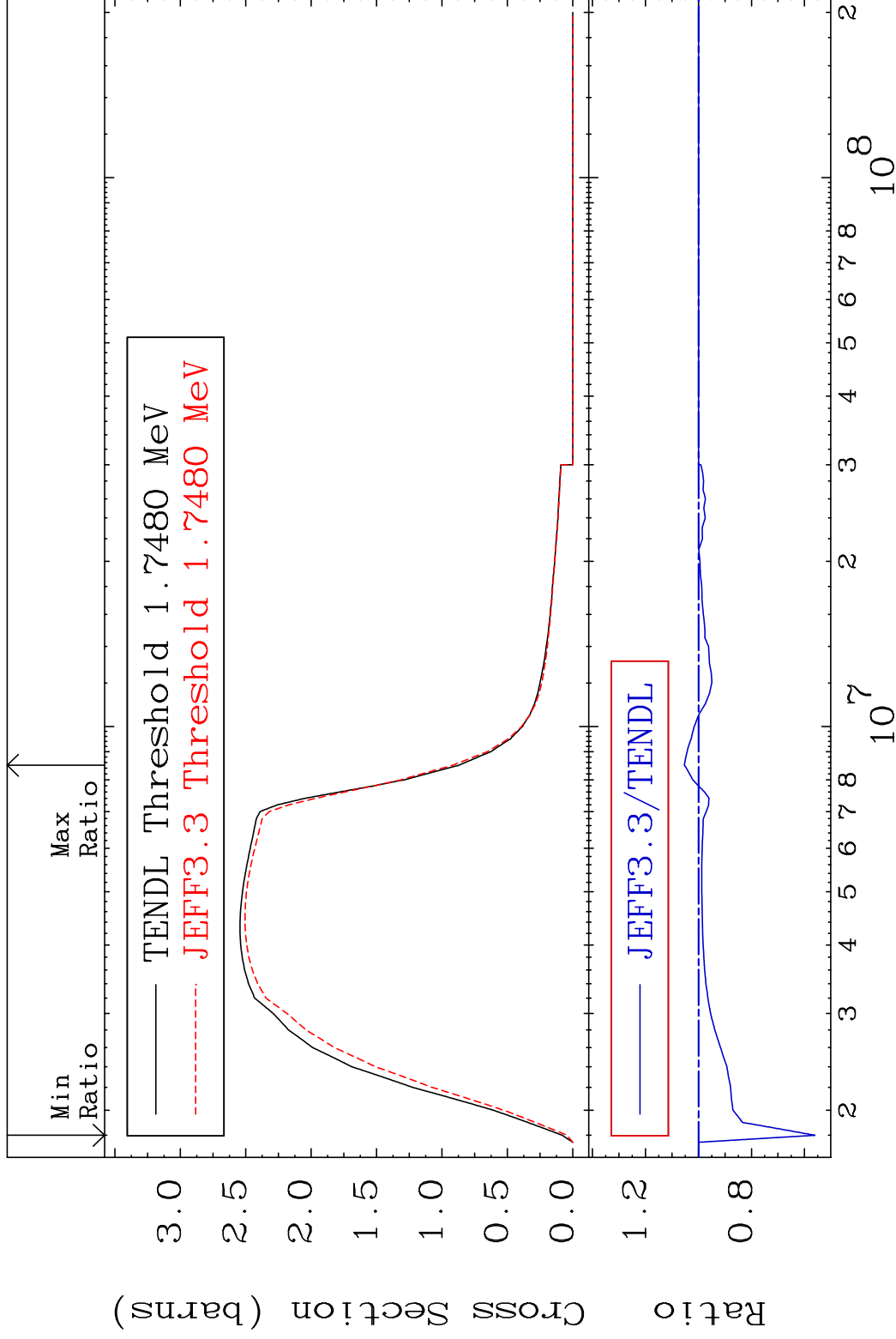


MAT 7049

(n, n') Continuum

70-Yb-176

Cross Section -43.93 To 5.347 %



49

Incident Energy (eV)

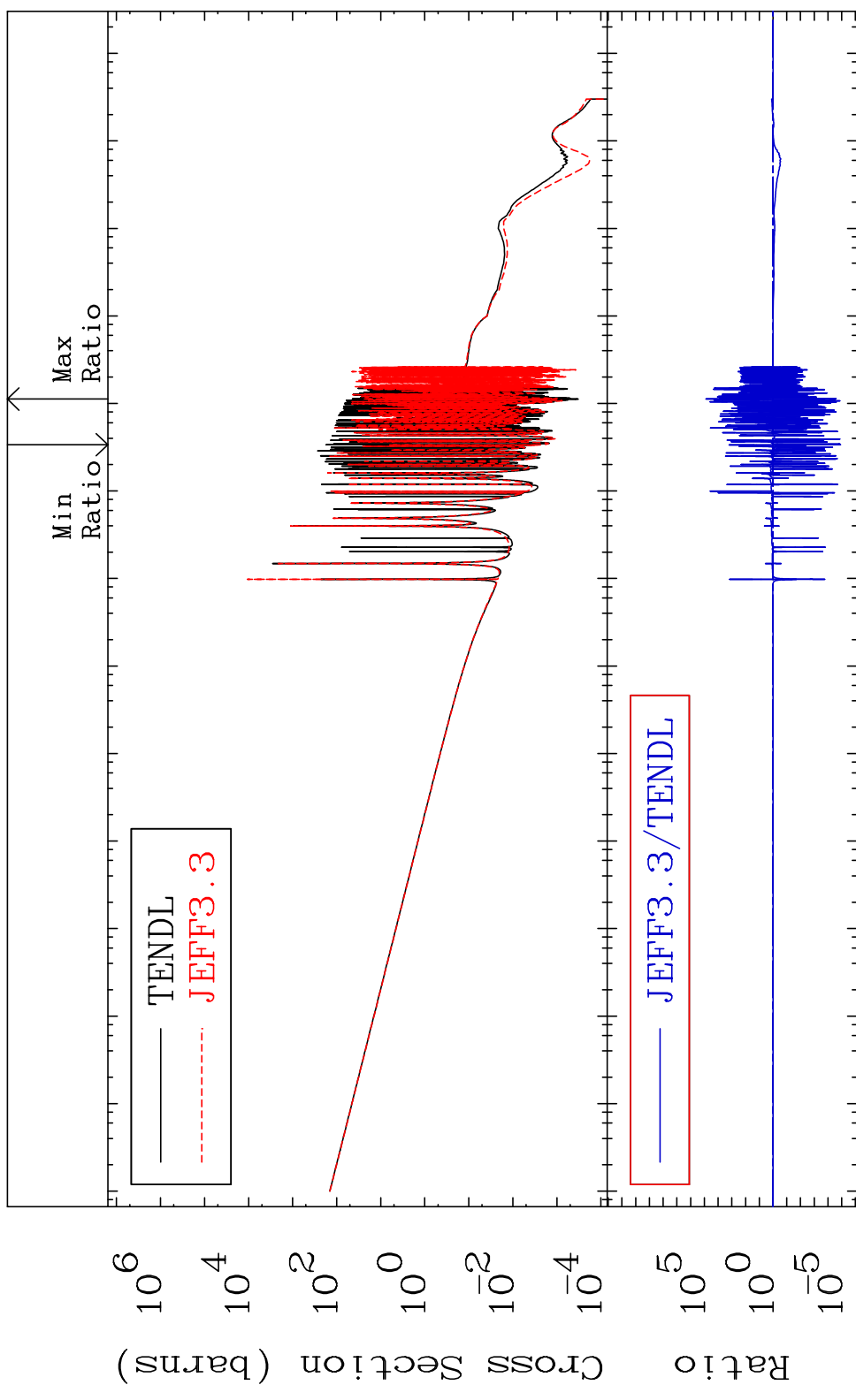
70-Yb-176

MAT 7049

(n, γ)

70-Yb-176

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

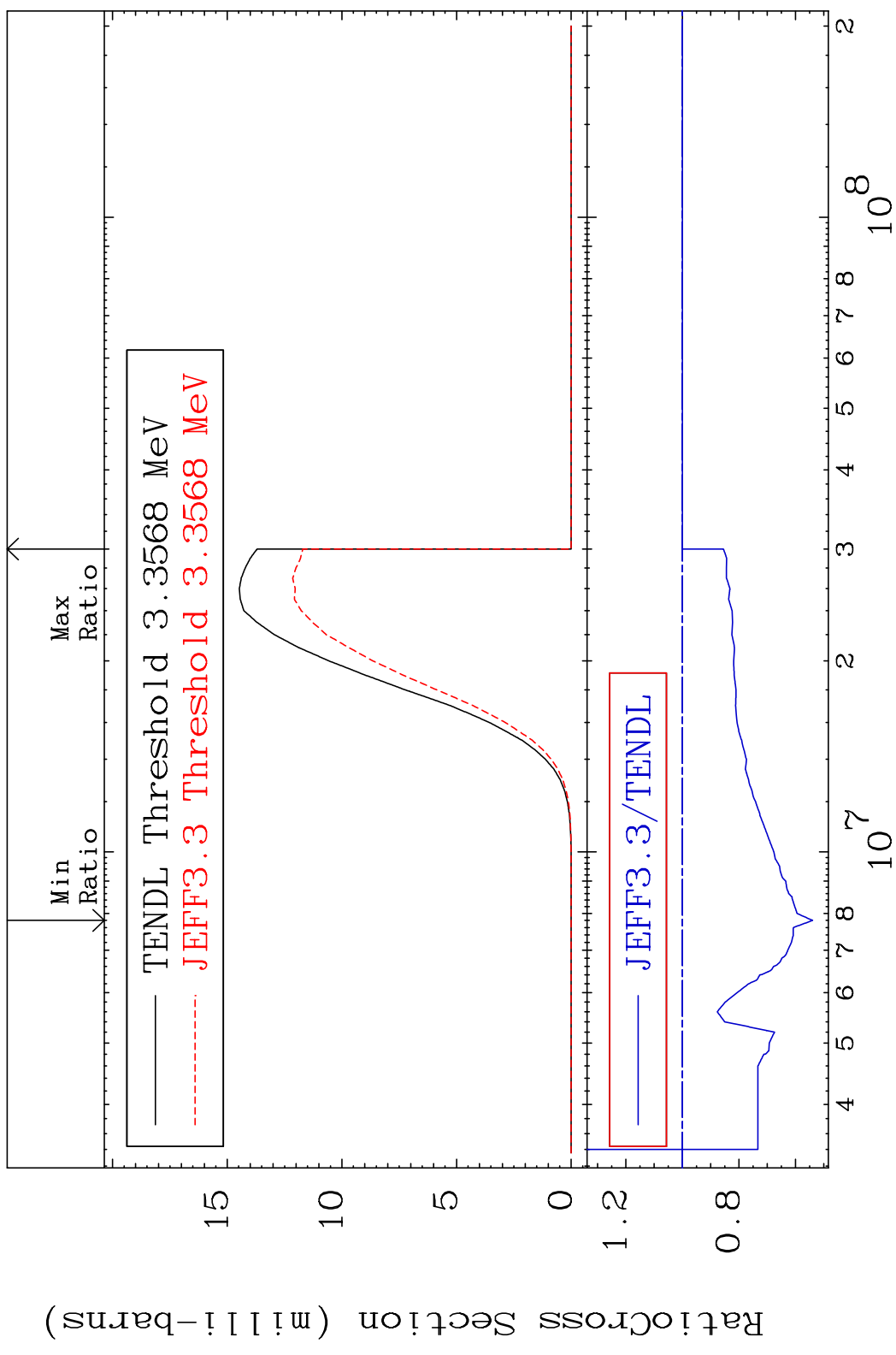
70-Yb-176

MAT 7049

(n, p)

70-Yb-176

Cross Section -46.02 To 0.000 %

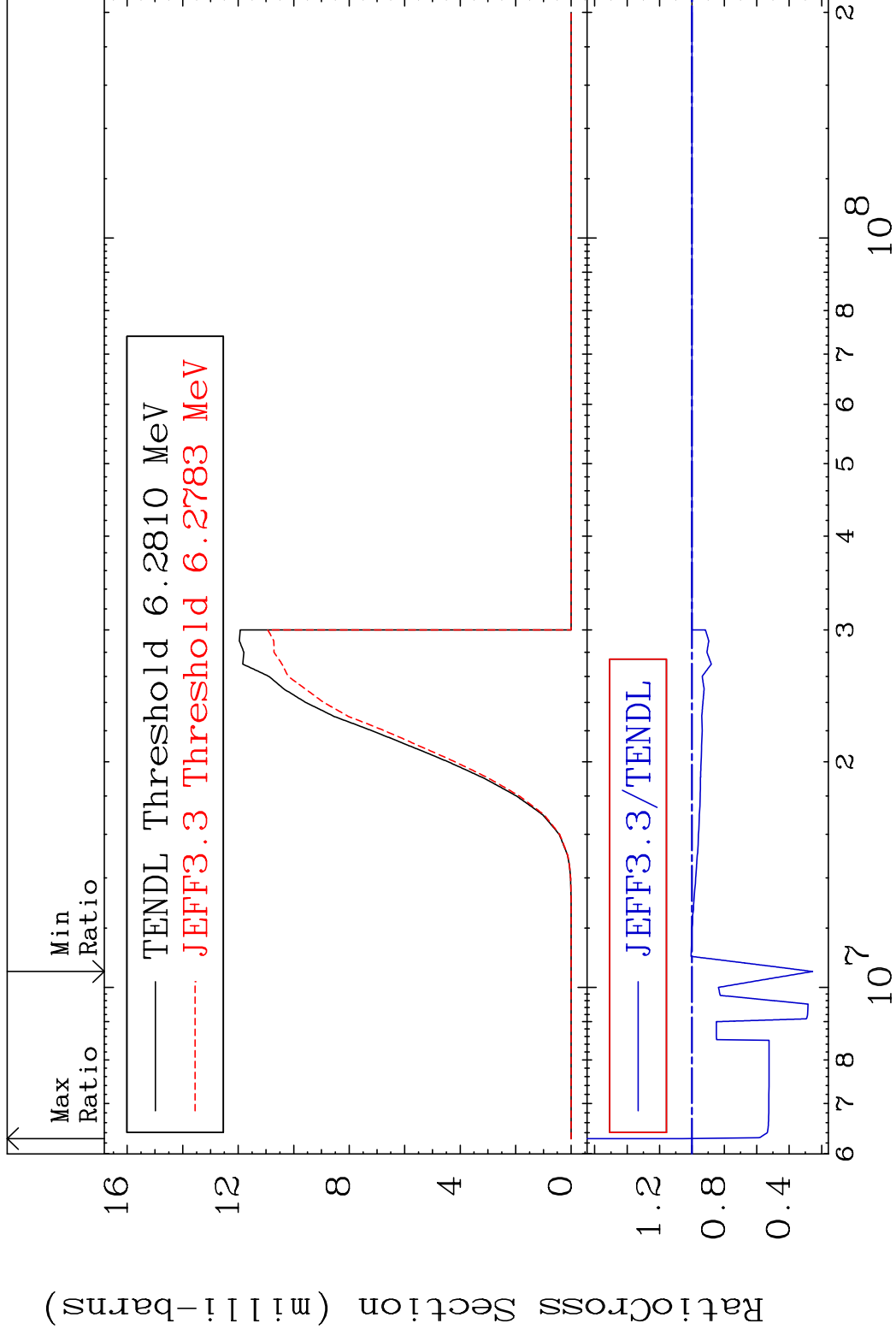


MAT 7049

(n, d)

70-Yb-176

Cross Section -74.41 To 5.922 %



52

Incident Energy (eV)

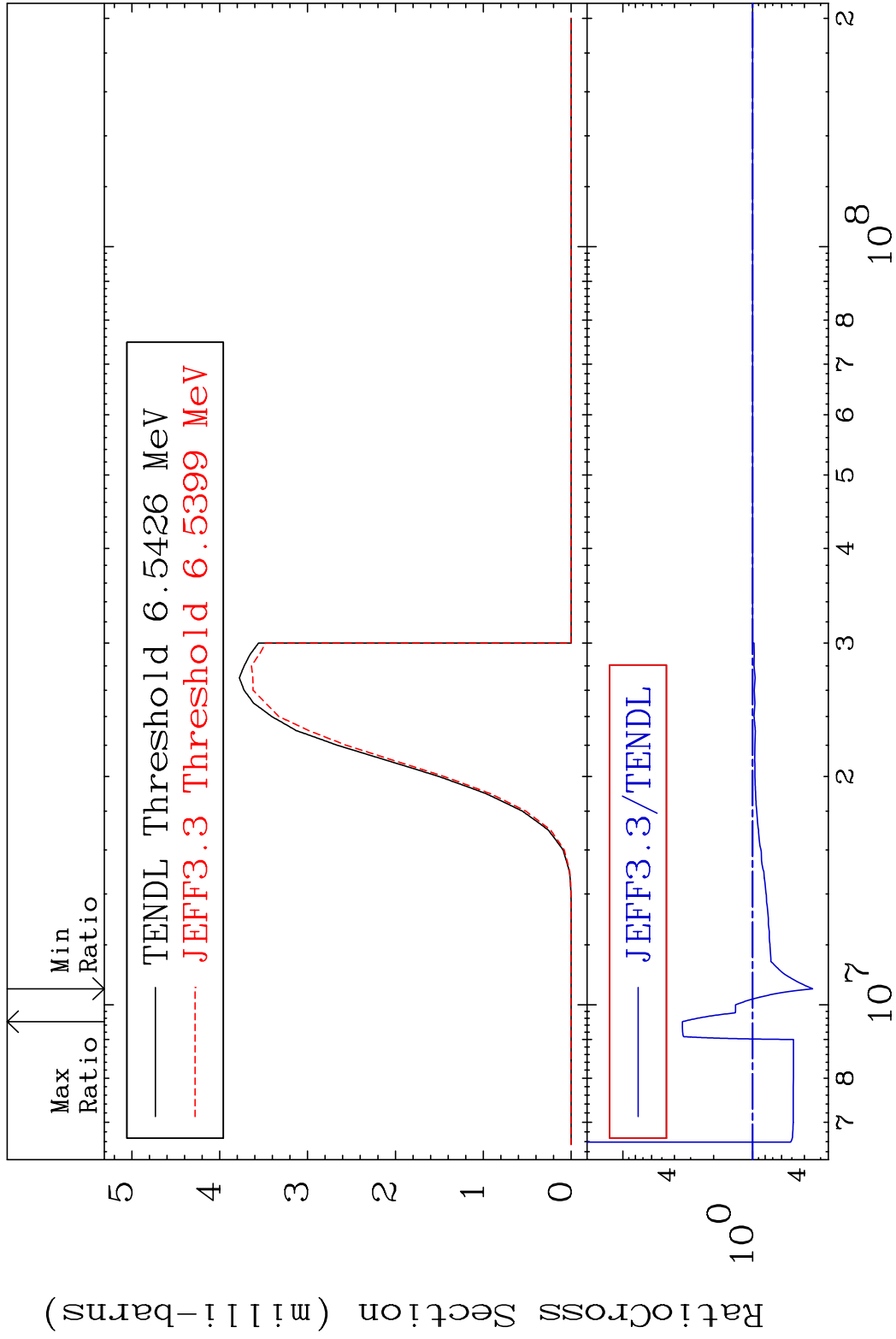
70-Yb-176

MAT 7049

(n, t)

70-Yb-176

Cross Section -65.40 To 247.9 %



53

Incident Energy (eV)

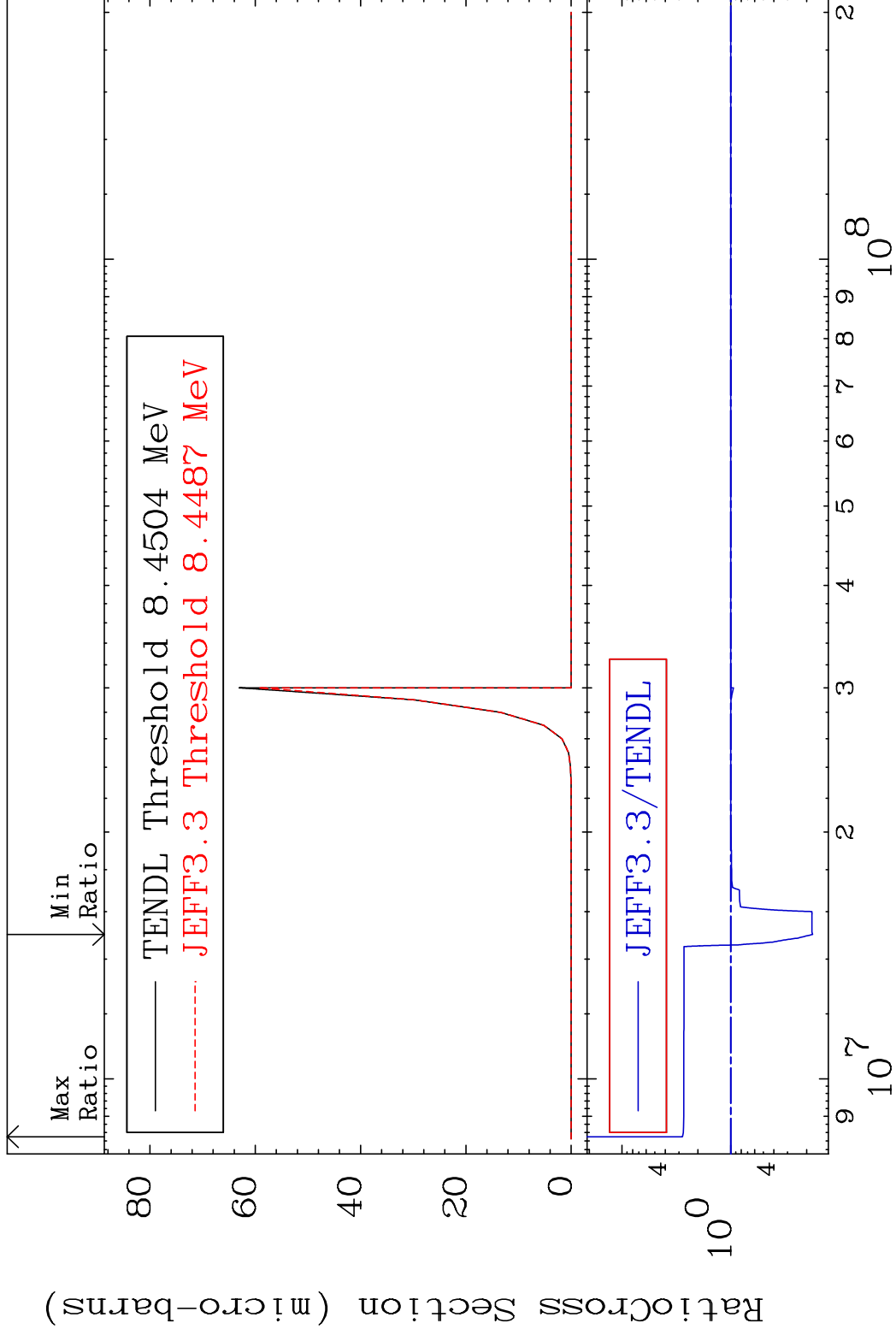
70-Yb-176

MAT 7049

(n, He-3)

70-Yb-176

Cross Section -82.36 To 178.6 %



54

Incident Energy (eV)

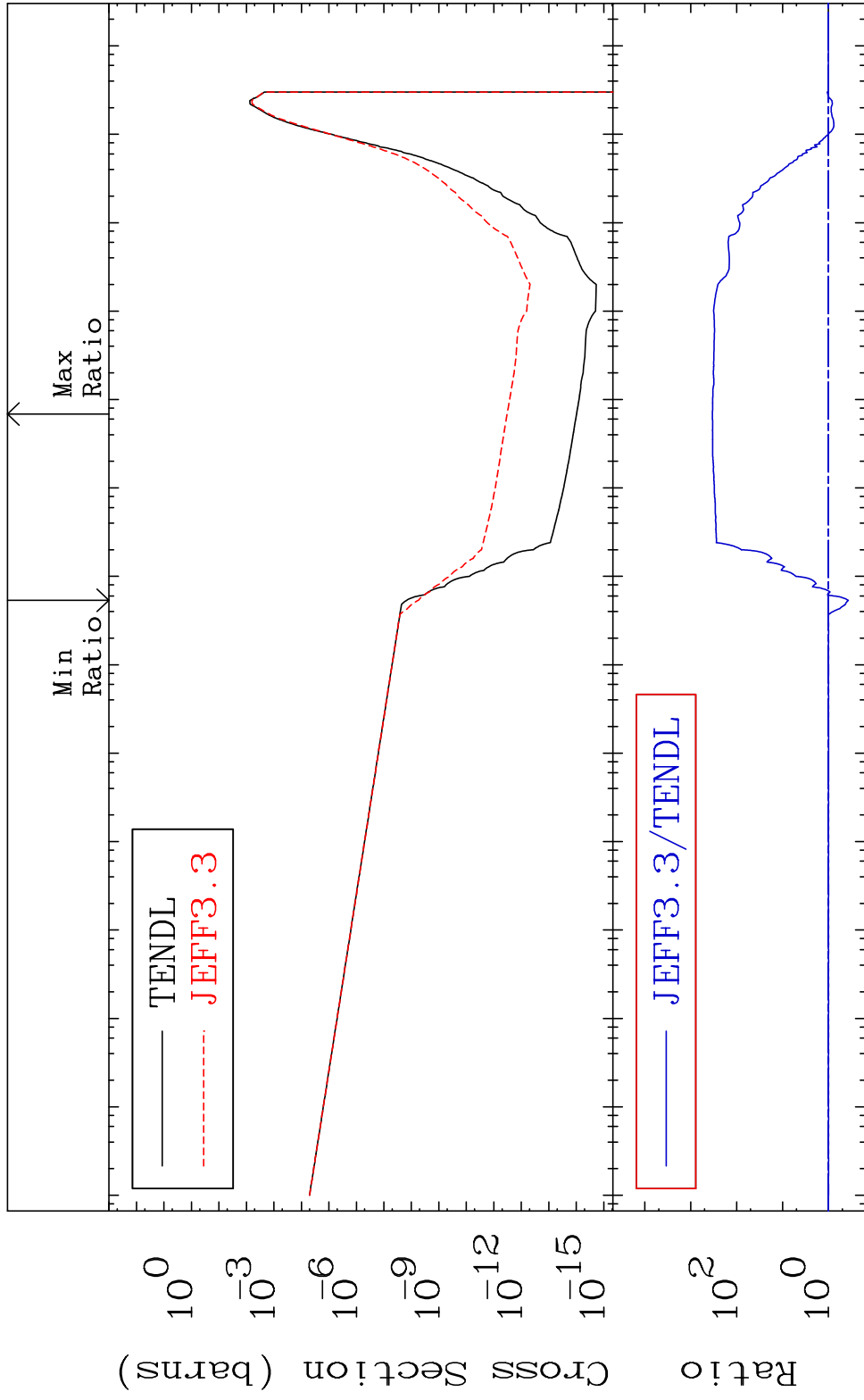
70-Yb-176

MAT 7049

(n, α)

70-Yb-176

Cross Section -63.03 To 9999. %



55

Incident Energy (eV)

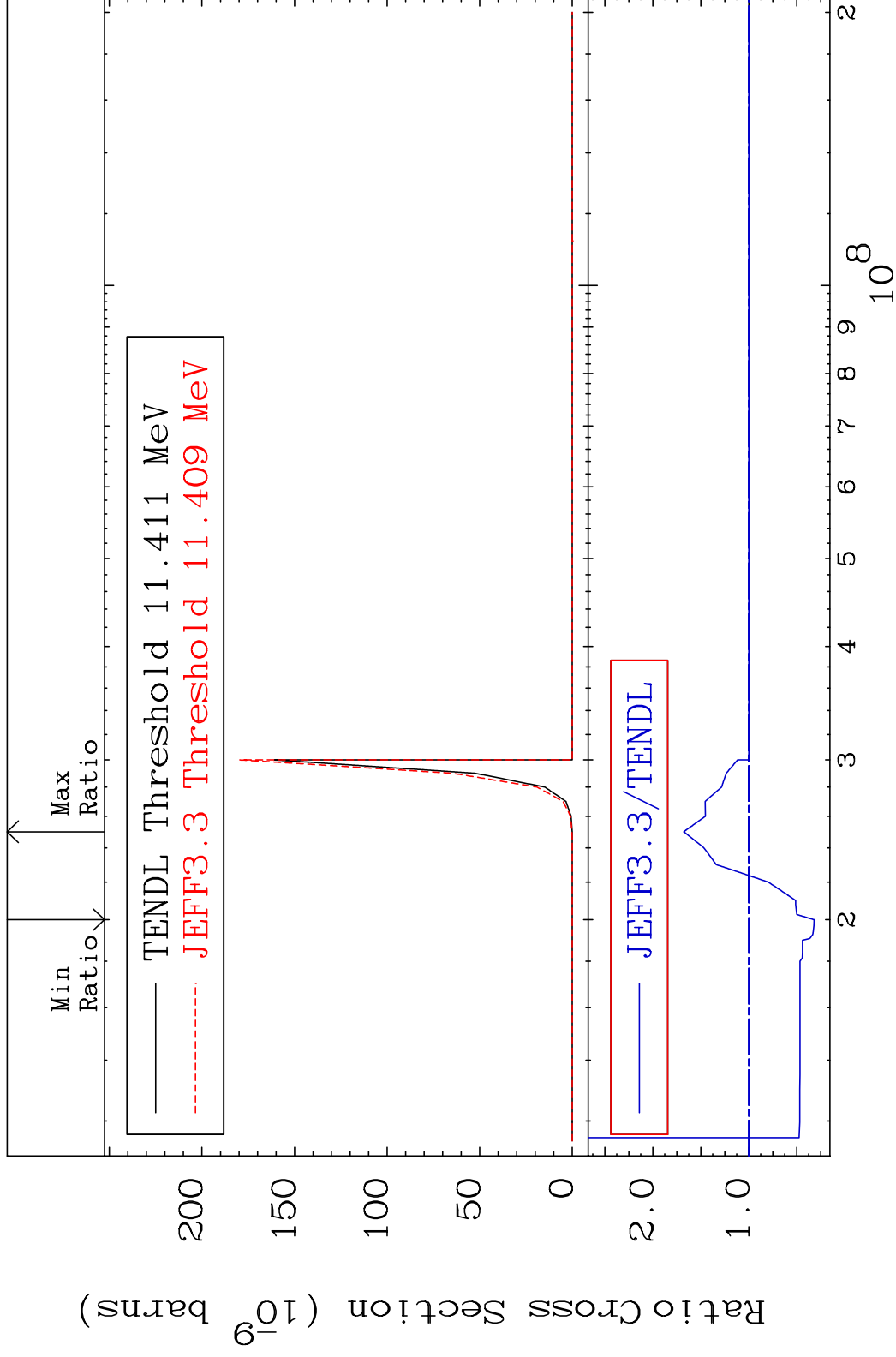
70-Yb-176

MAT 7049

(n,2p)

70-Yb-176

Cross Section -68.13 To 67.81 %



56

Incident Energy (eV)

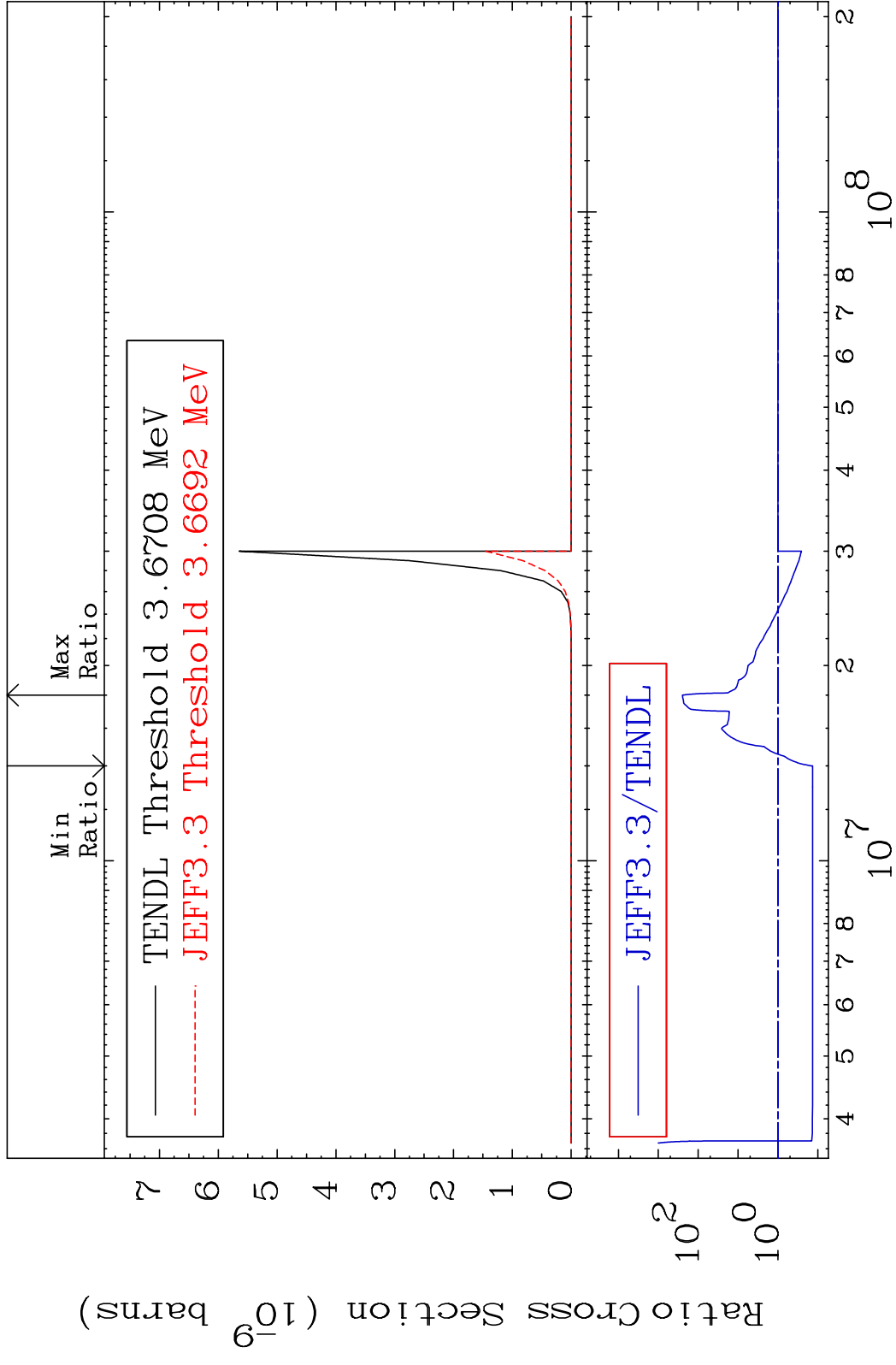
70-Yb-176

MAT 7049

(n,p) α

70-Yb-176

Cross Section -86.45 To 9999. %

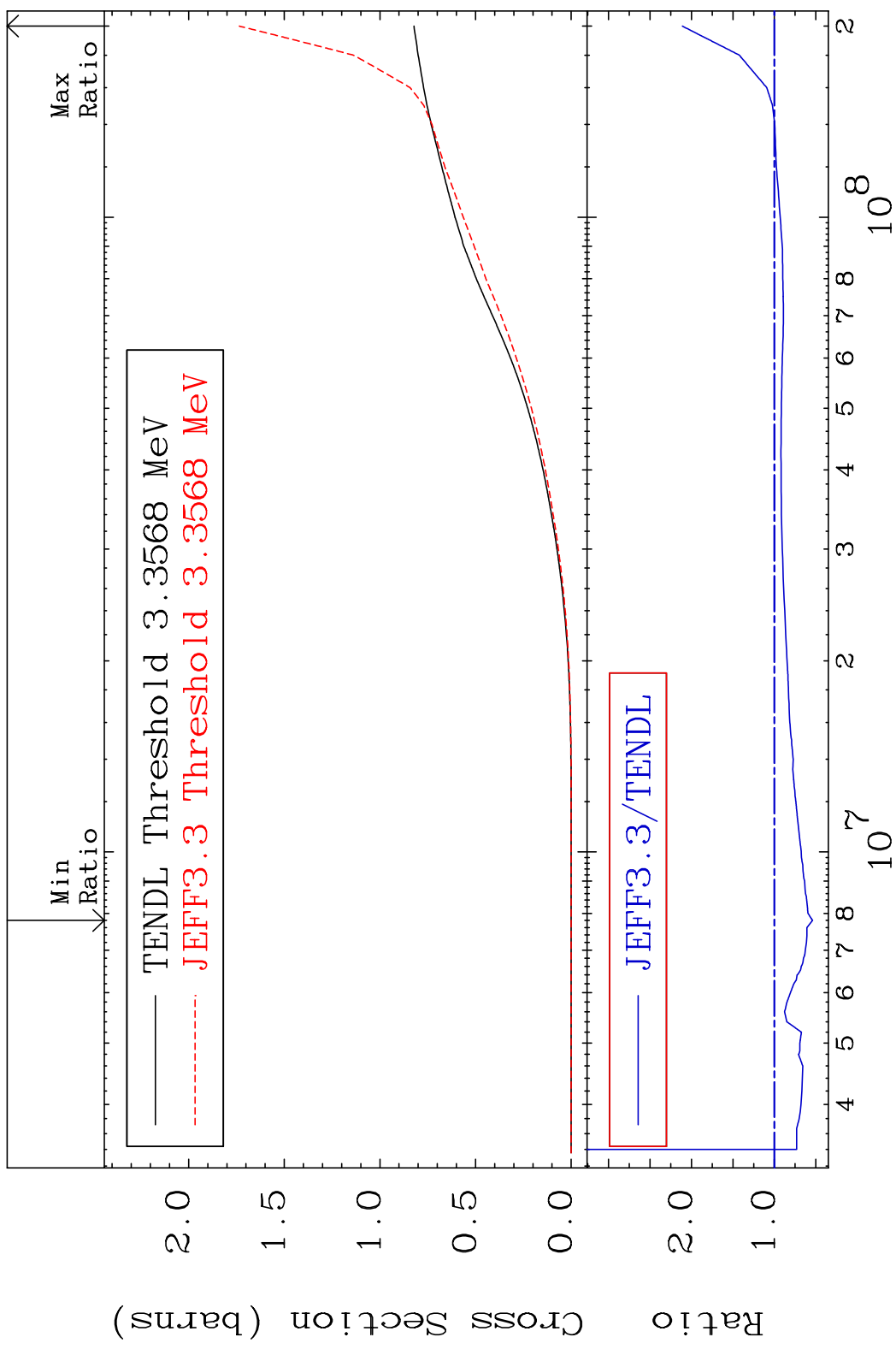


MAT 7049

Hydrogen Production

70-Yb-176

Cross Section -46.02 To 111.0 %

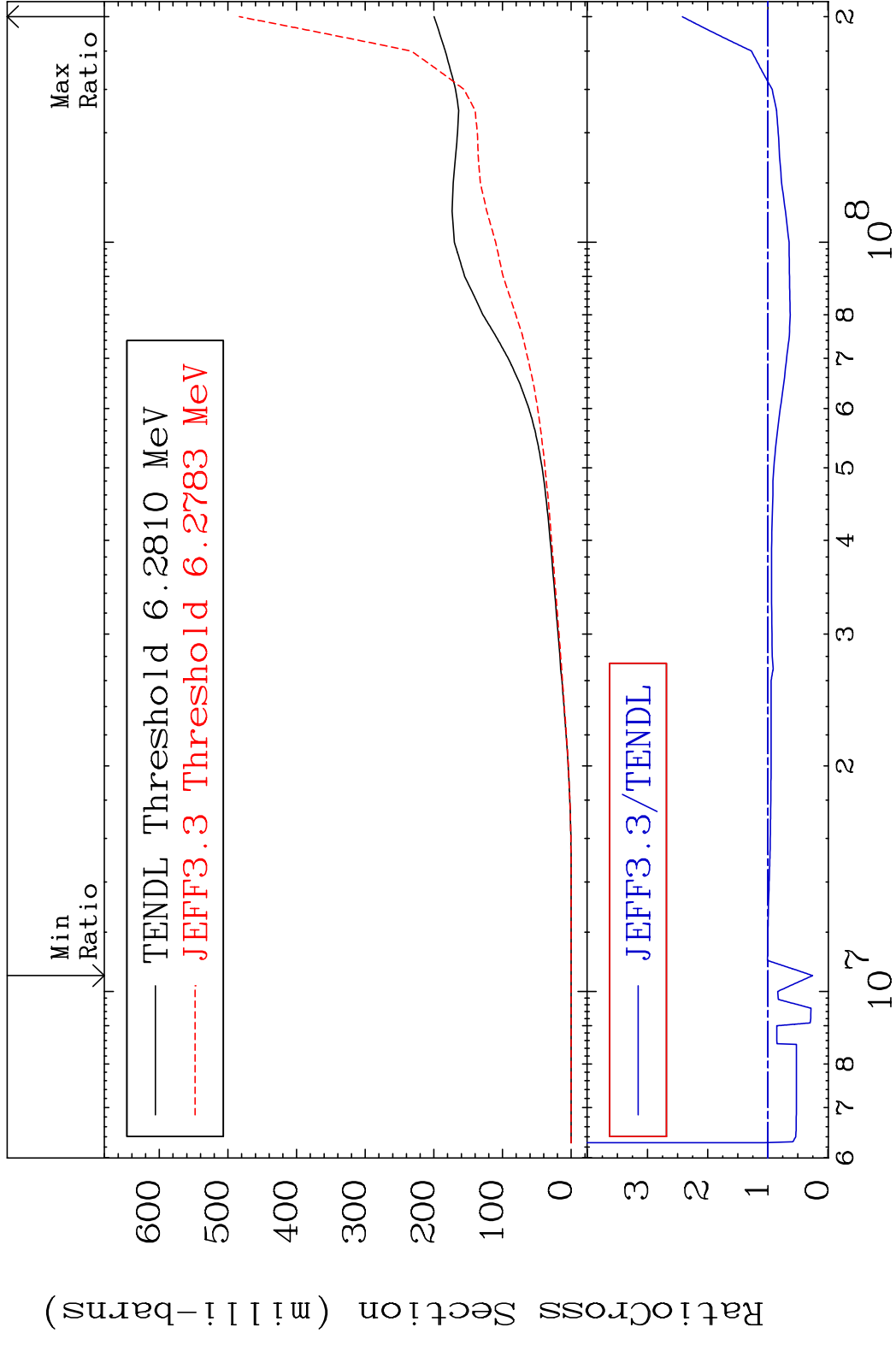


MAT 7049

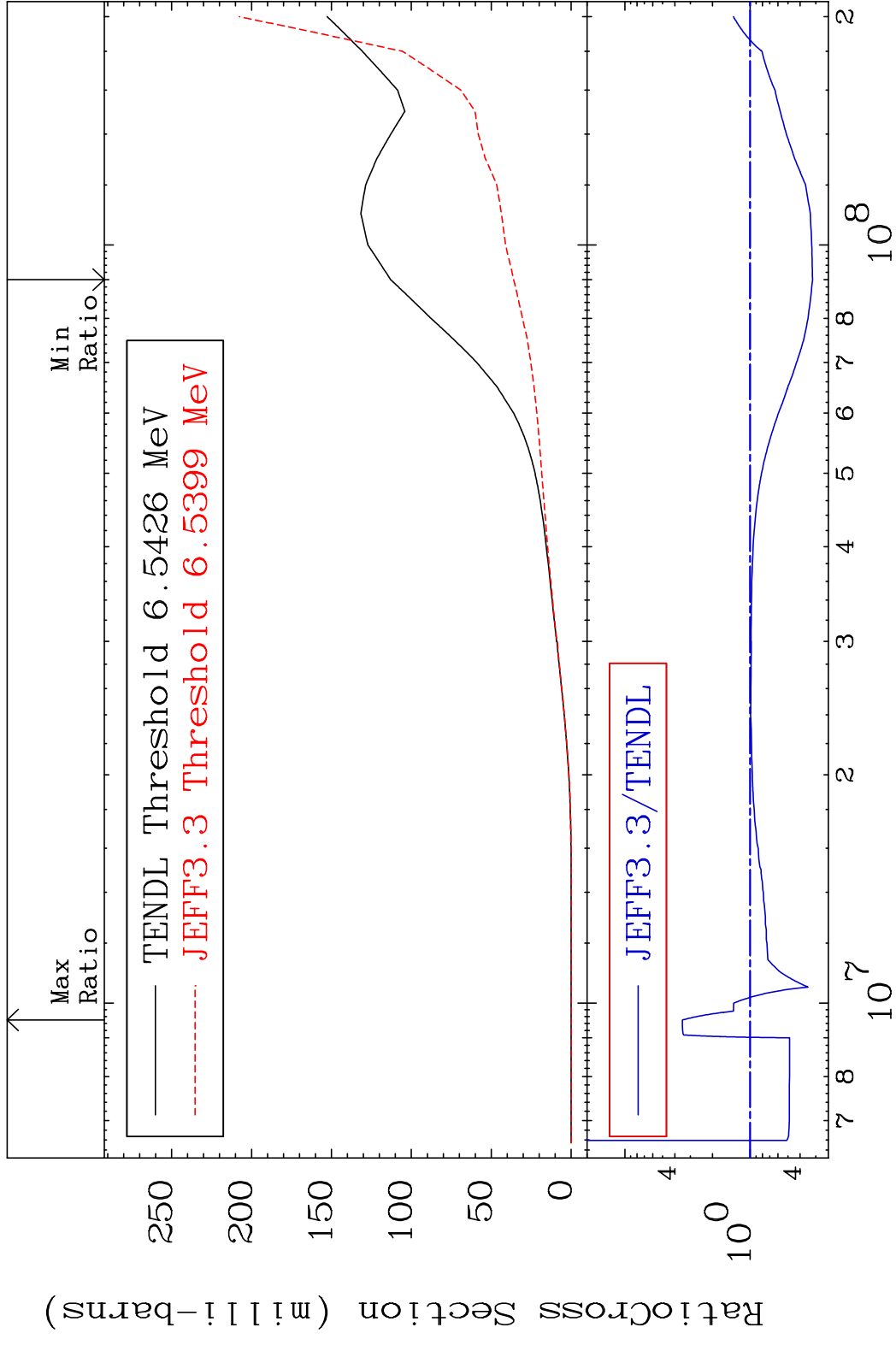
Deuterium Production

70-Yb-176

Cross Section -74.41 To 142.1 %



MAT 7049 Tritium Production 70-Yb-176
 Cross Section -68.17 To 247.9 %



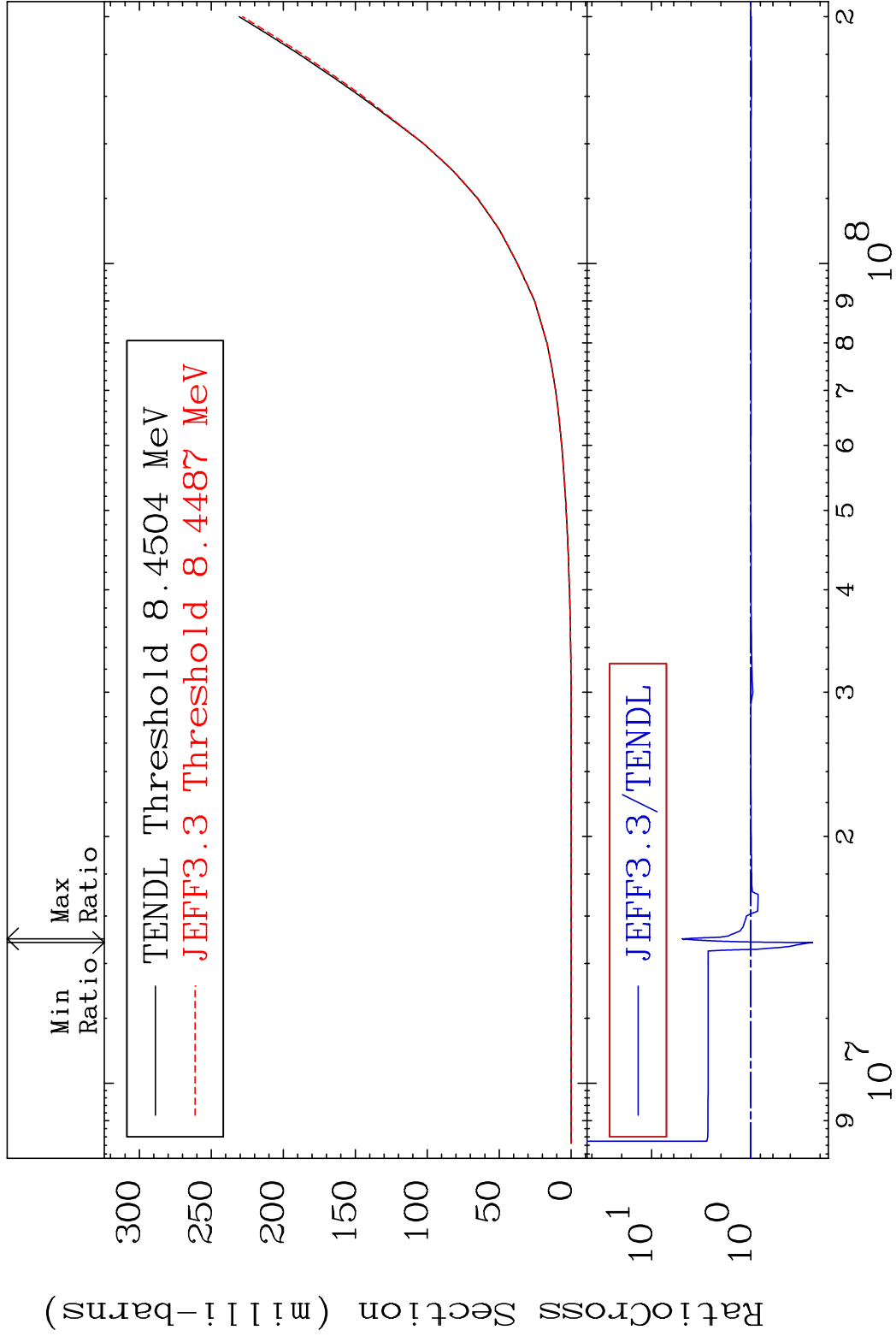
60 Incident Energy (eV) 70-Yb-176

MAT 7049

He-3 Production

70-Yb-176

Cross Section -76.09 To 389.9 %



61

Incident Energy (eV)

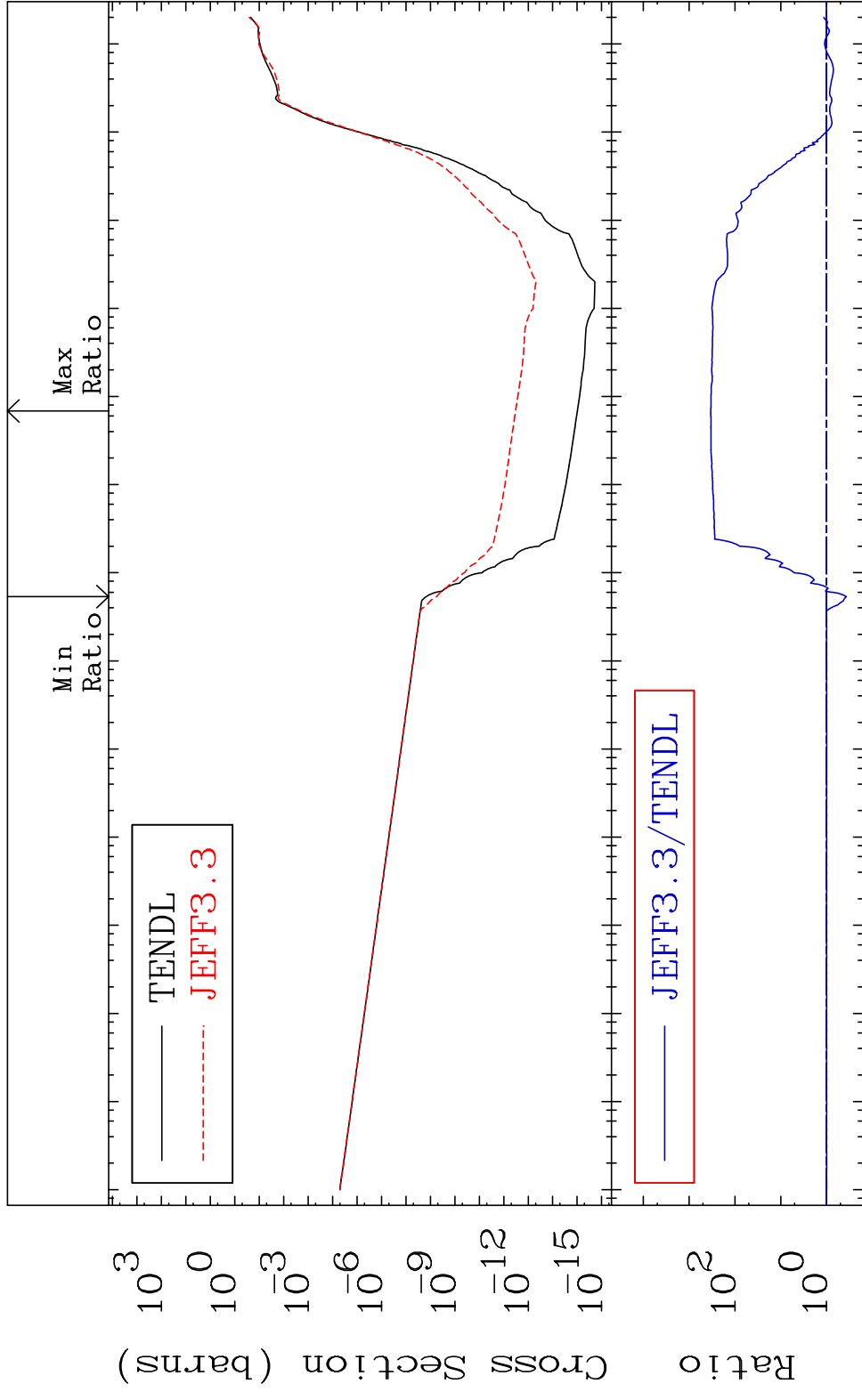
70-Yb-176

MAT 7049

He-4 Production

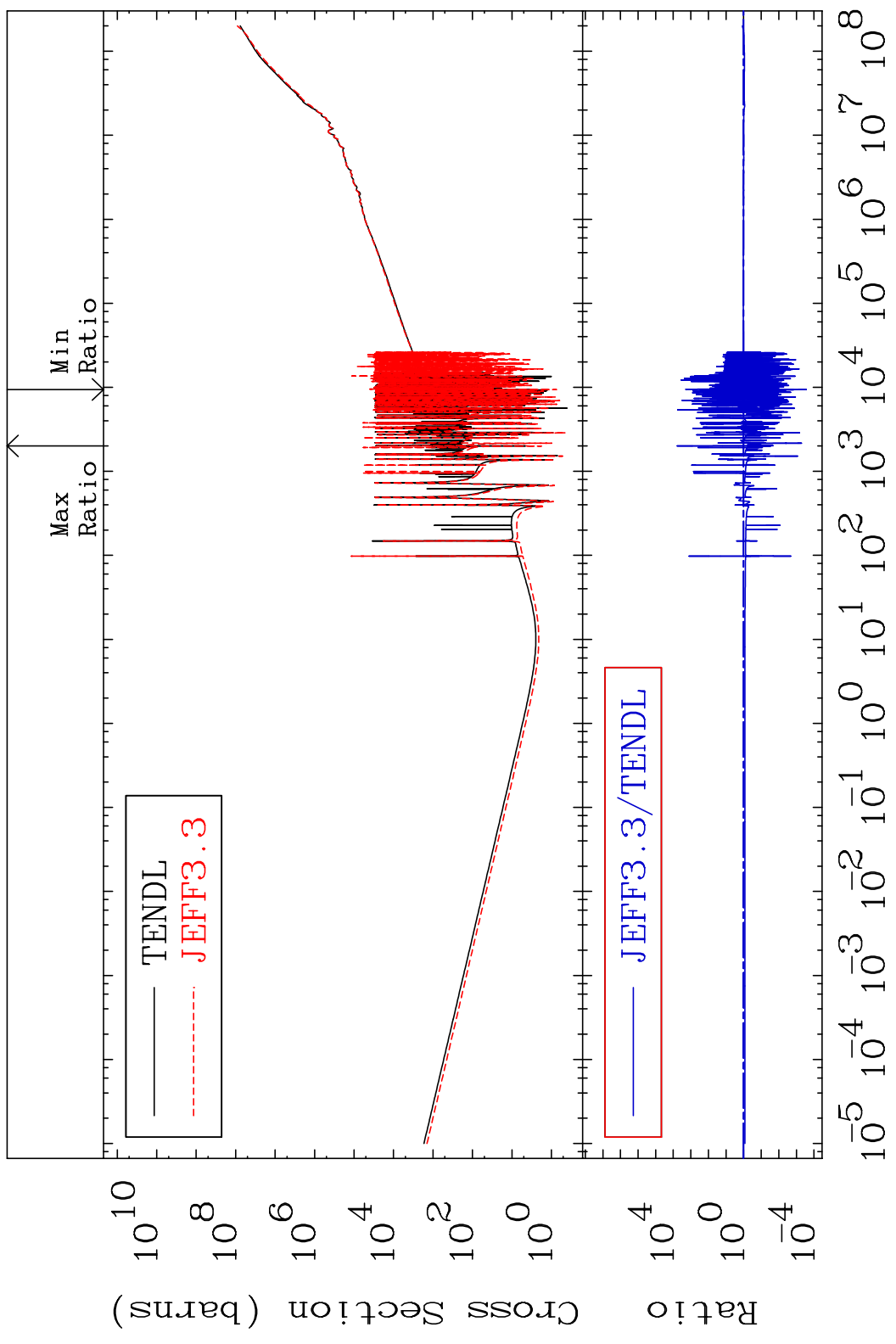
70-Yb-176

Cross Section -63.03 To 9999. %



MAT 7049

Kerma total (eV-barns) 70-Yb-176
Cross Section -99.97 To 9999. %

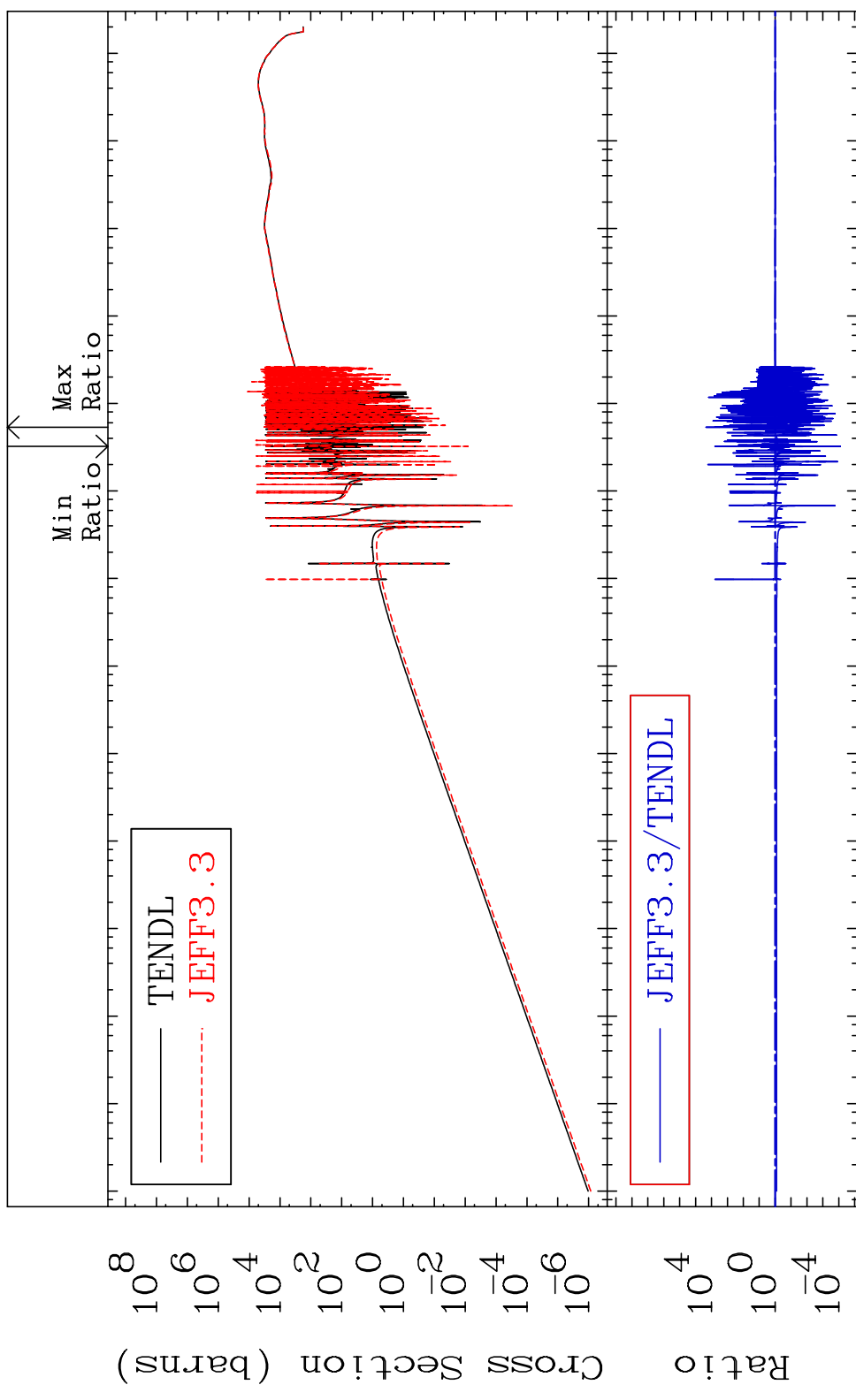


63

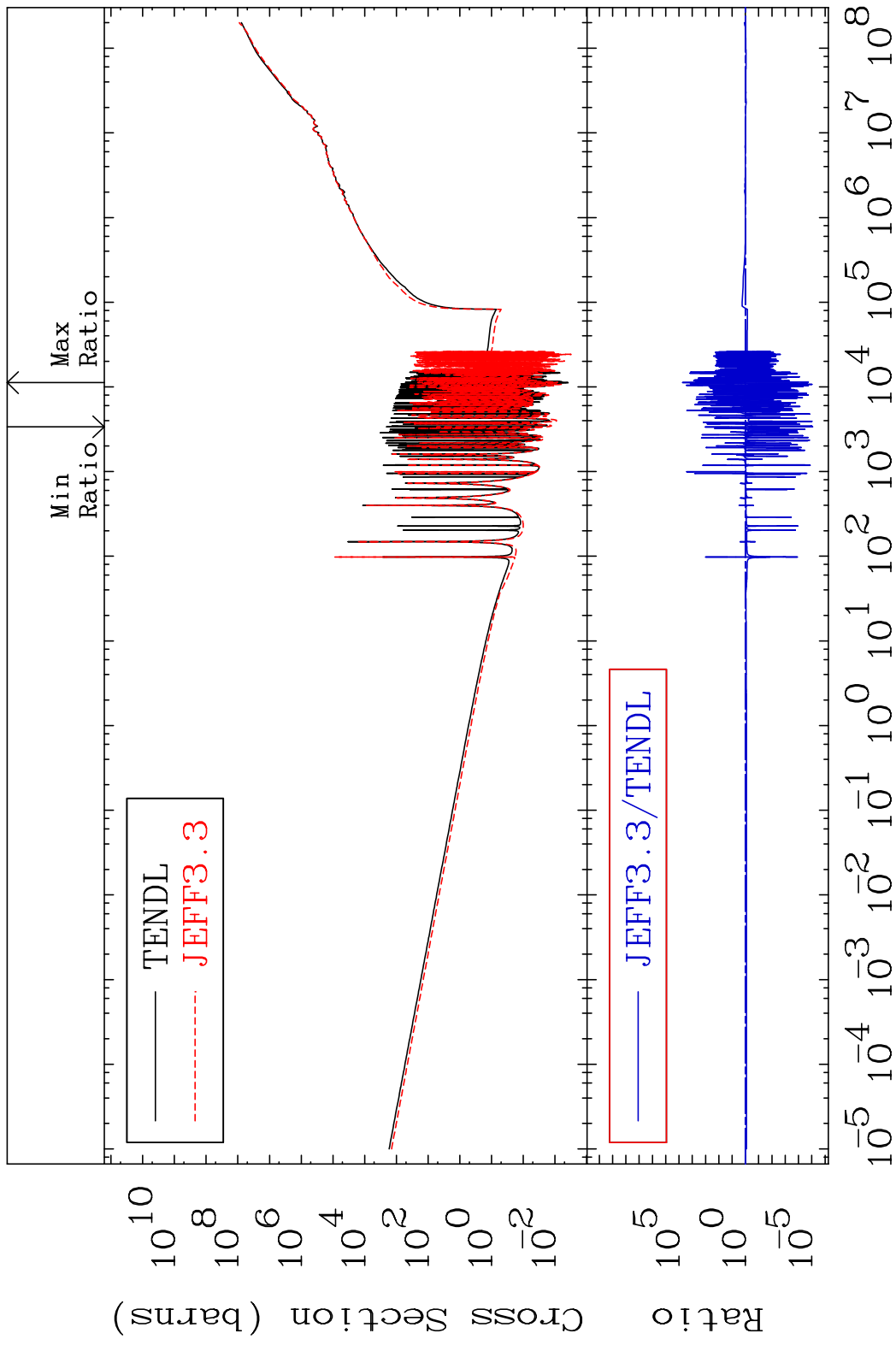
Incident Energy (eV) 70-Yb-176

MAT 7049

Kerma elastic Cross Section -99.99 To 9999. %
70-Yb-176



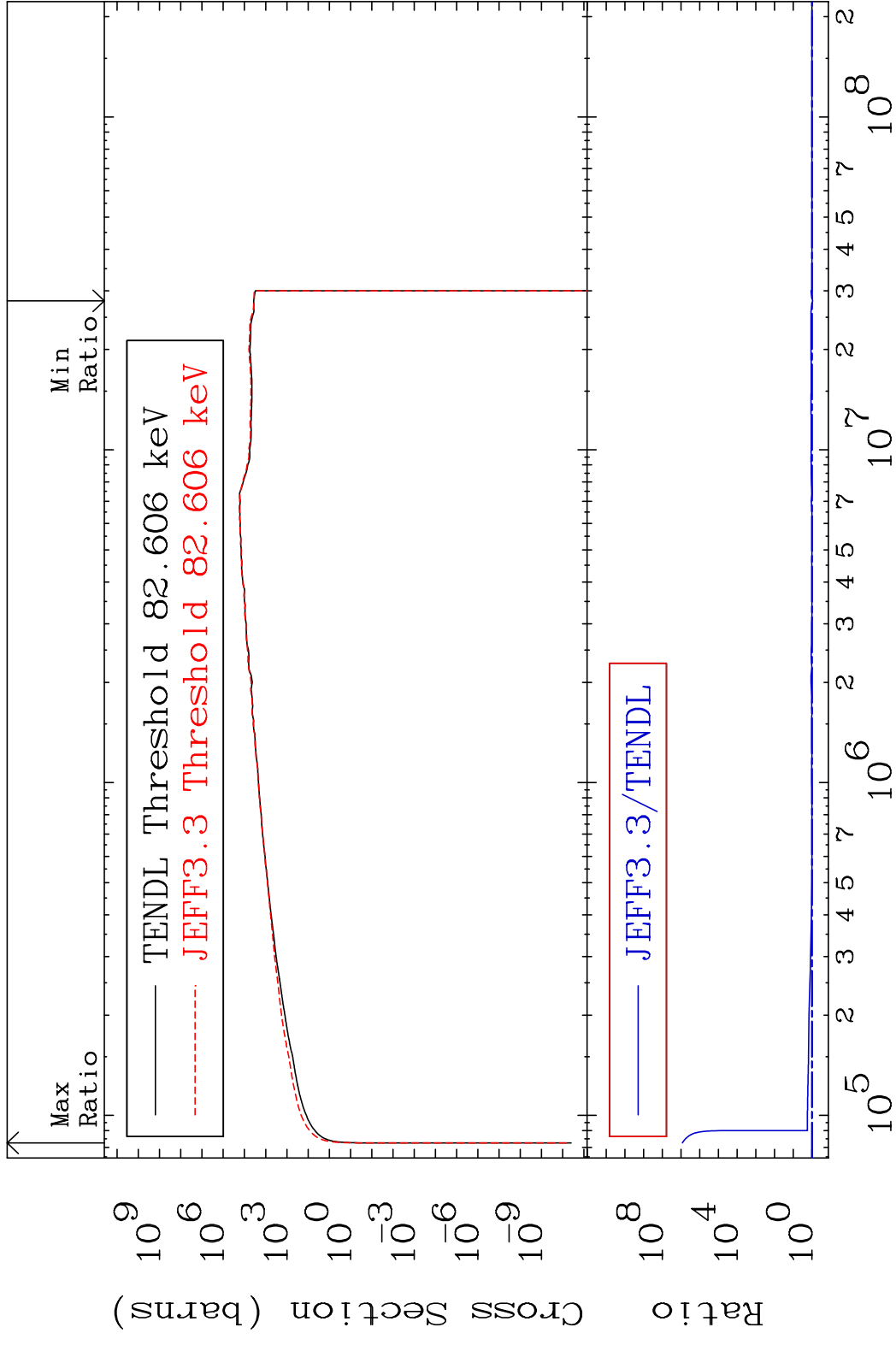
MAT 7049 Kerma non-elastic (all but mt2) 70-Yb-176
 Cross Section -100.0 To 9999. %



65 Incident Energy (eV) 70-Yb-176

MAT 7049

Kerma inelastic (mt51-91) 70-Yb-176
Cross Section -7.287 To 9999. %

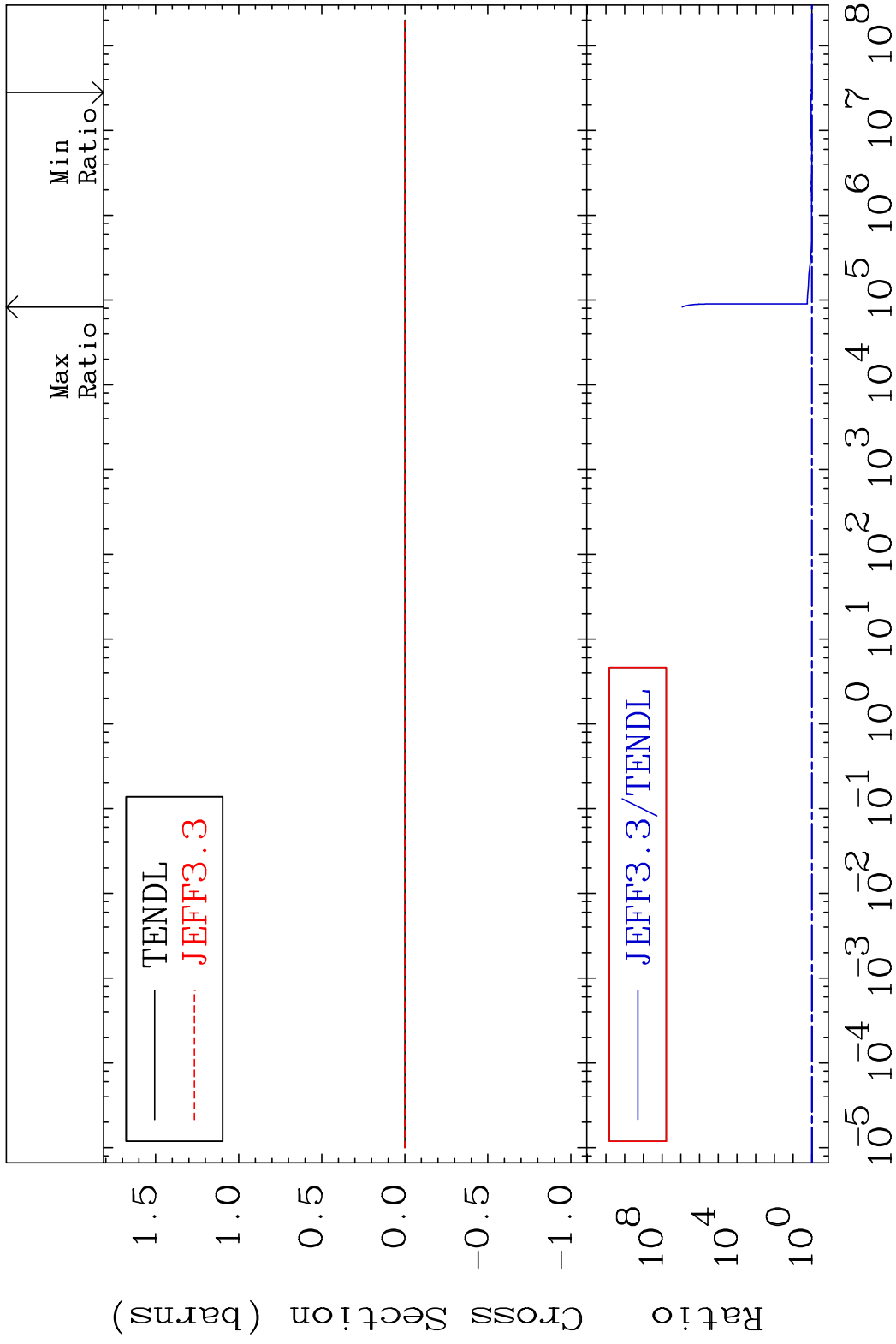


66

Incident Energy (eV)

70-Yb-176

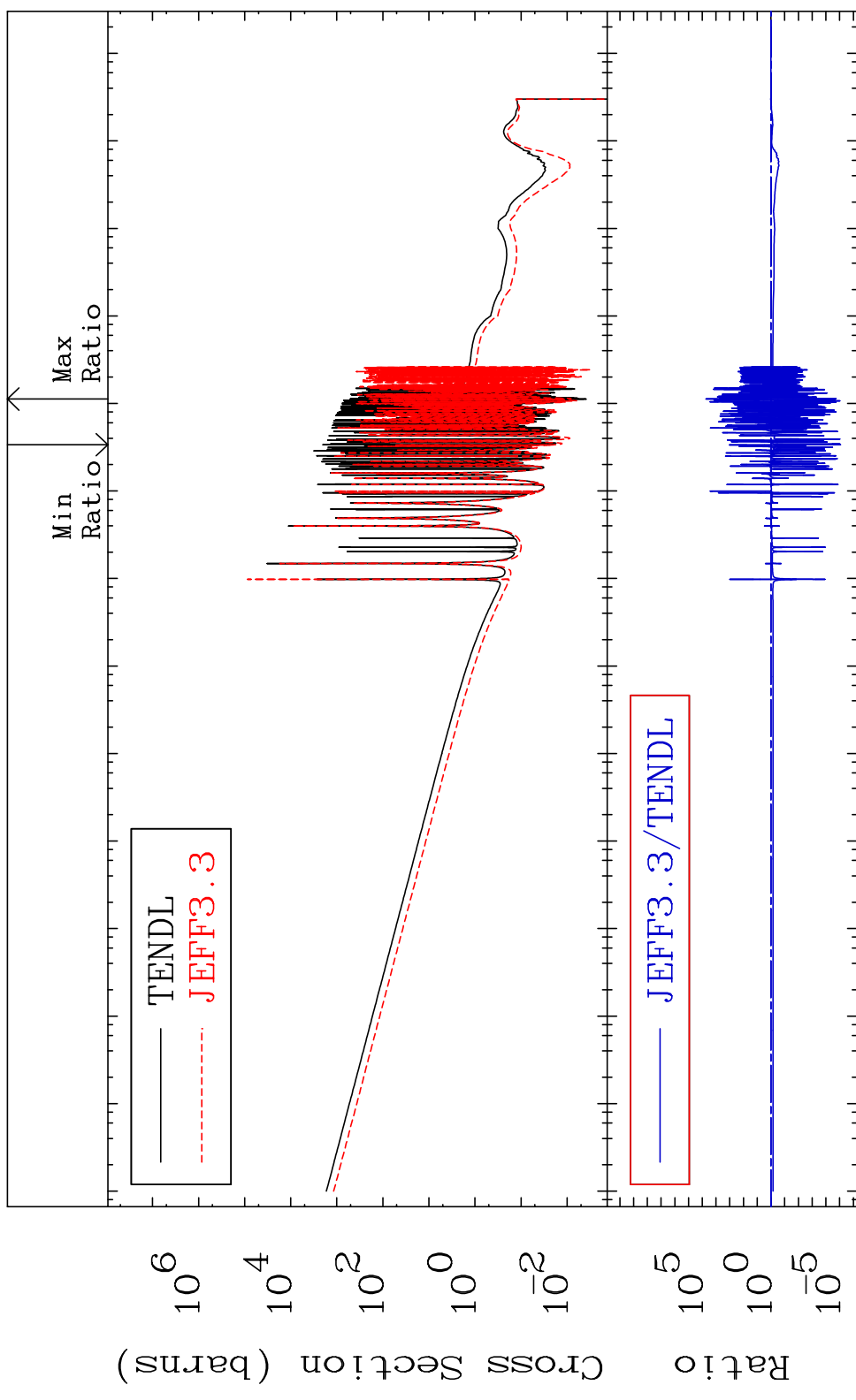
MAT 7049 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-176
 Cross Section -7.287 To 9999. %



MAT 7049

Kerma capture (mt102) 70-Yb-176

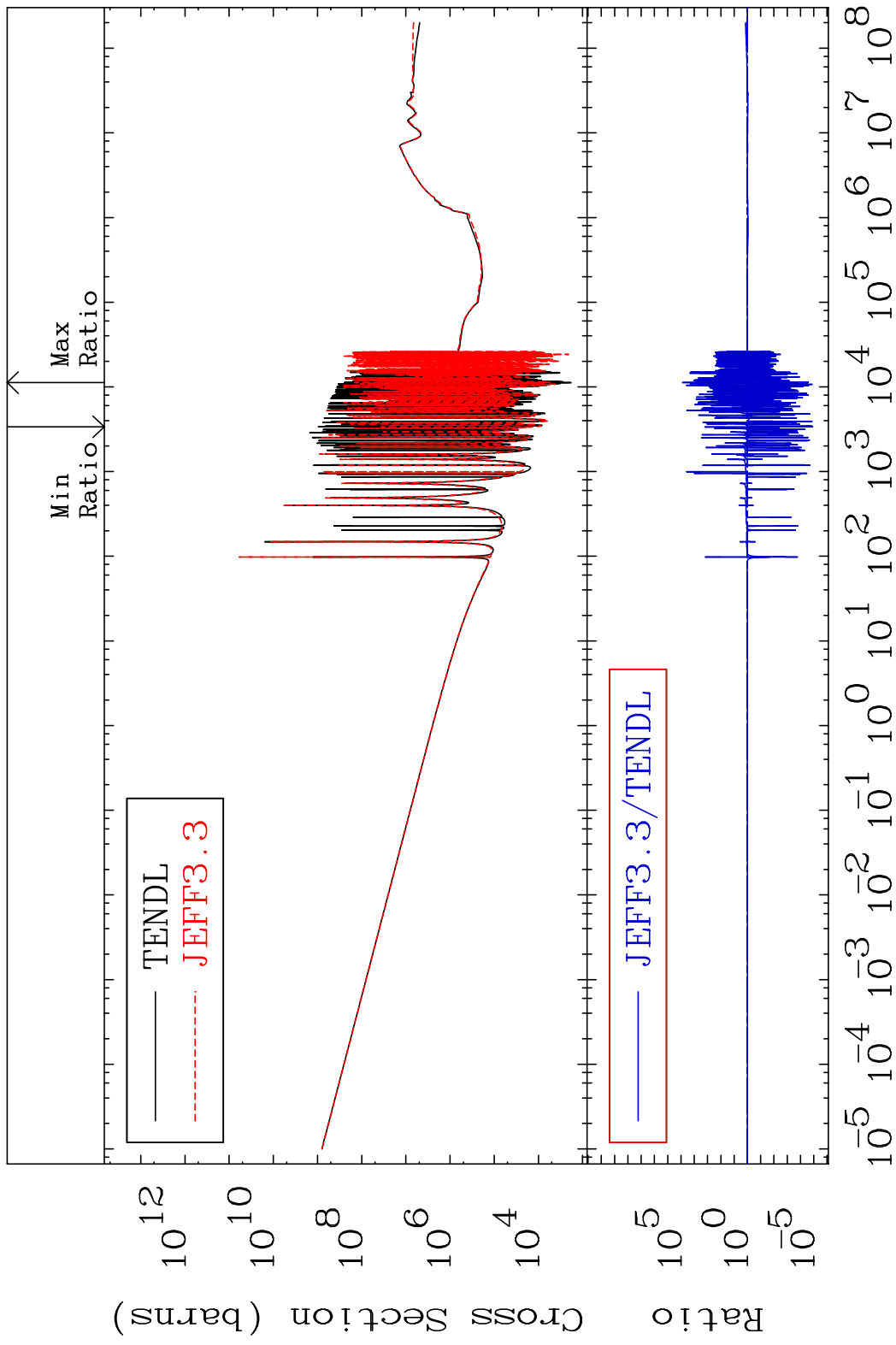
Cross Section -100.0 To 9999. %



68

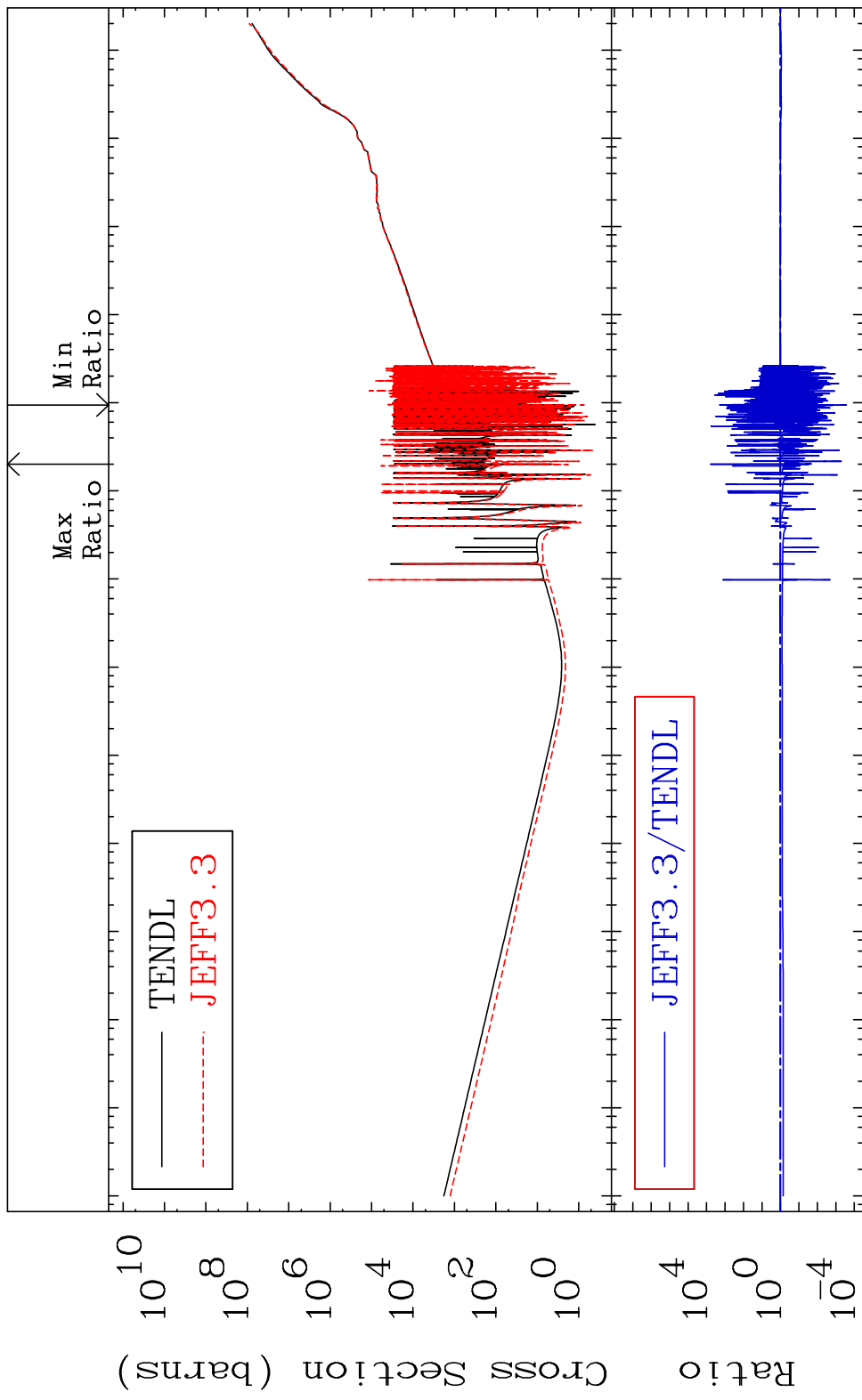
Incident Energy (eV) 70-Yb-176

MAT 7049 Total photon (eV-barns) 70-Yb-176
Cross Section -100.0 To 9999. %



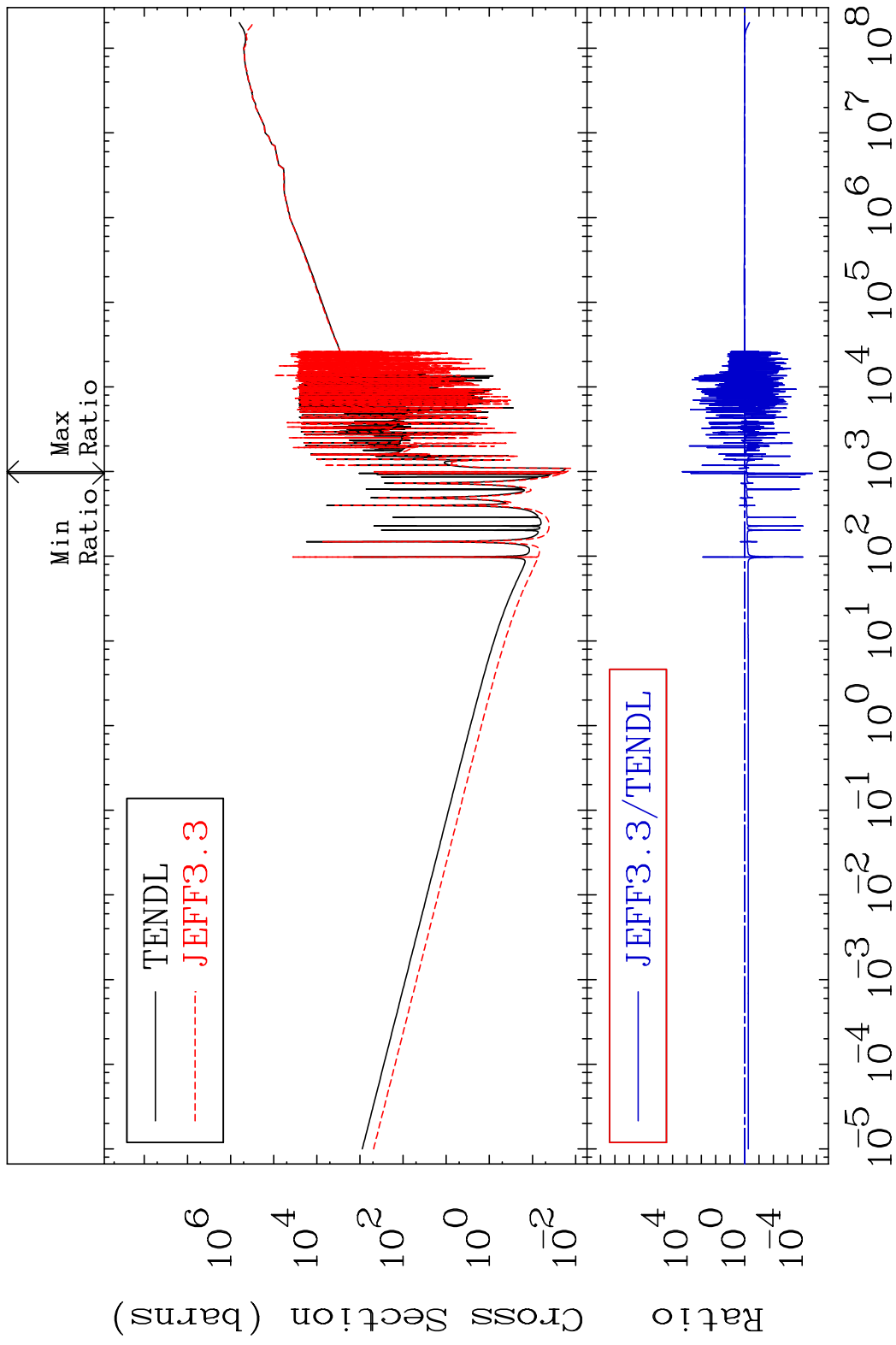
69 Incident Energy (eV) 70-Yb-176

MAT 7049 Total kinematic kerma (high limit) 70-Yb-176
 Cross Section -99.97 To 9999. %



70 Incident Energy (eV) 70-Yb-176

MAT 7049 Dpa total (eV-barns) 70-Yb-176
 Cross Section -100.0 To 9999. %

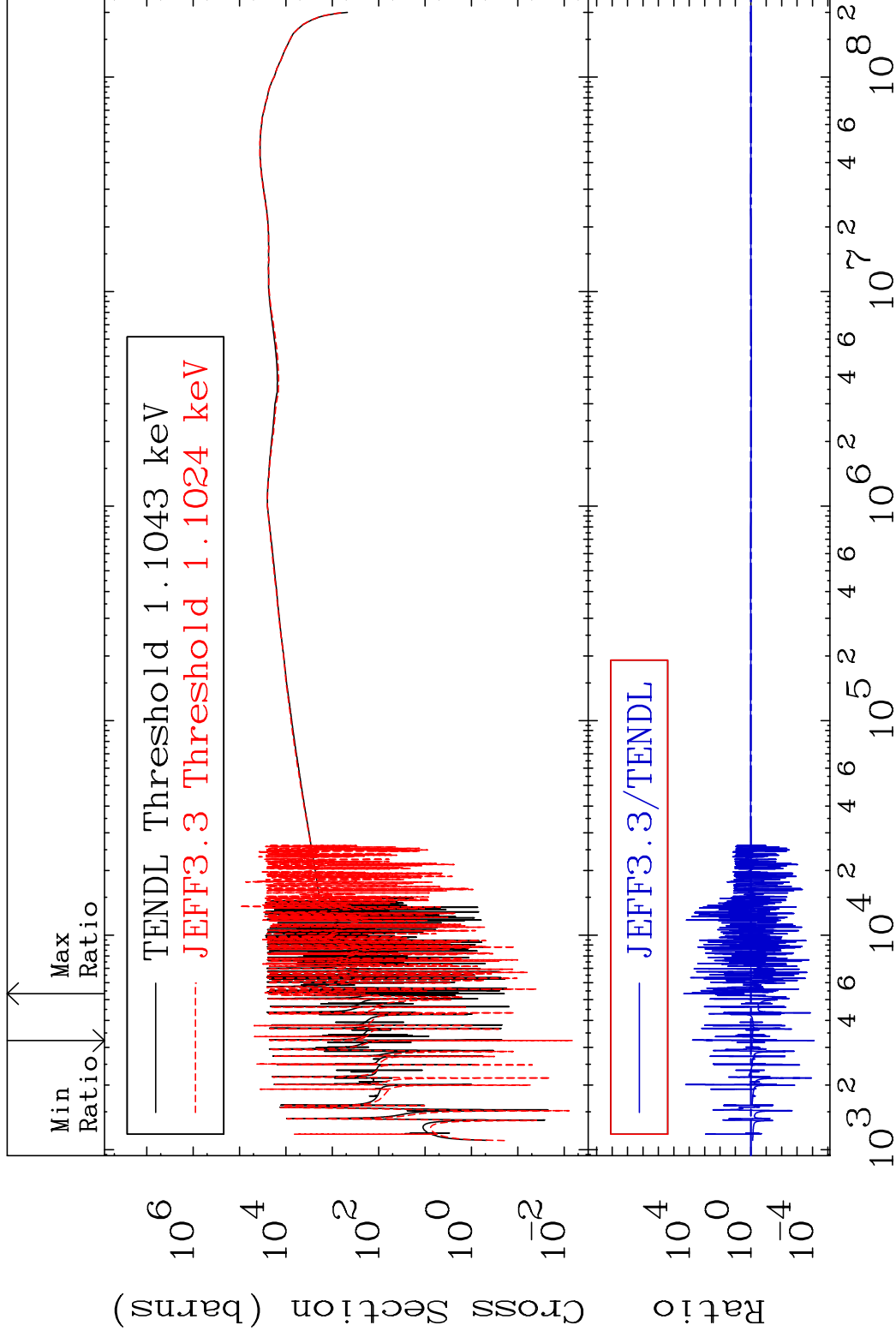


MAT 7049

Dpa elastic (mt2)

70-Yb-176

Cross Section -99.99 To 9999. %



72

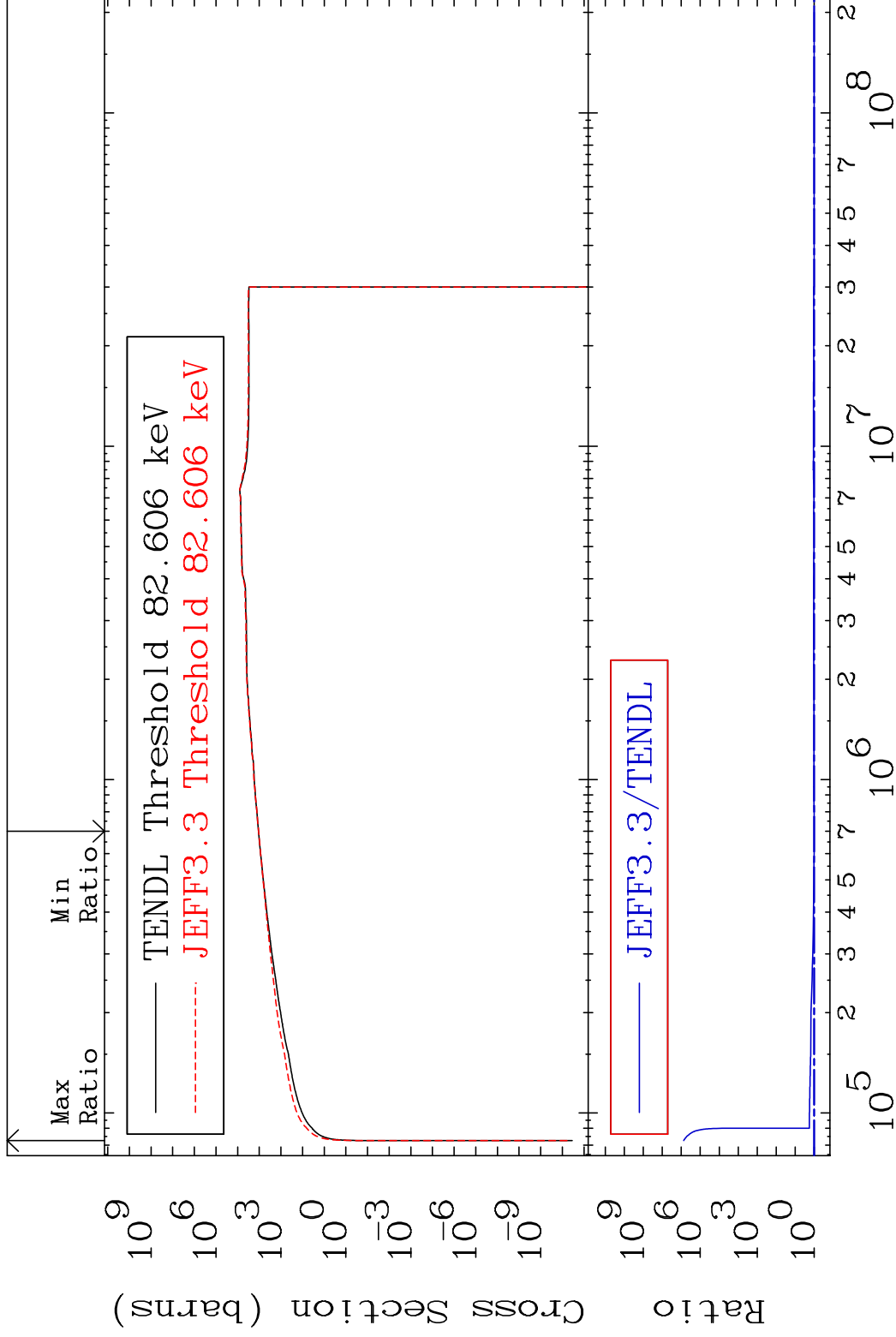
Incident Energy (eV)

70-Yb-176

MAT 7049

Dpa inelastic (mt51-91) 70-Yb-176

Cross Section -0.356 To 9999. %

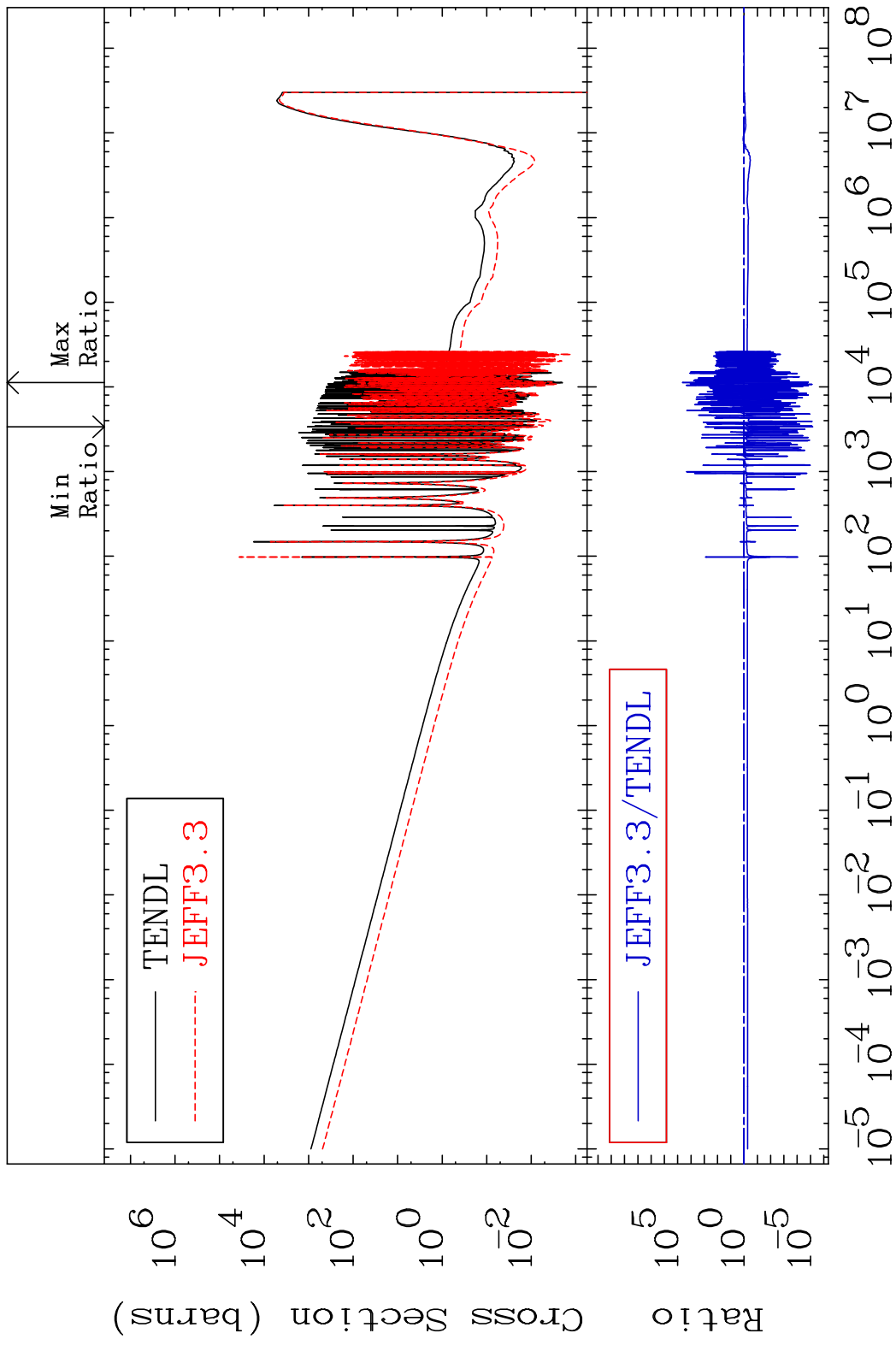


73

Incident Energy (eV)

70-Yb-176

MAT 7049 Dpa disappearance (mt102 -120) 70-Yb-176
 Cross Section -100.0 To 9999. %



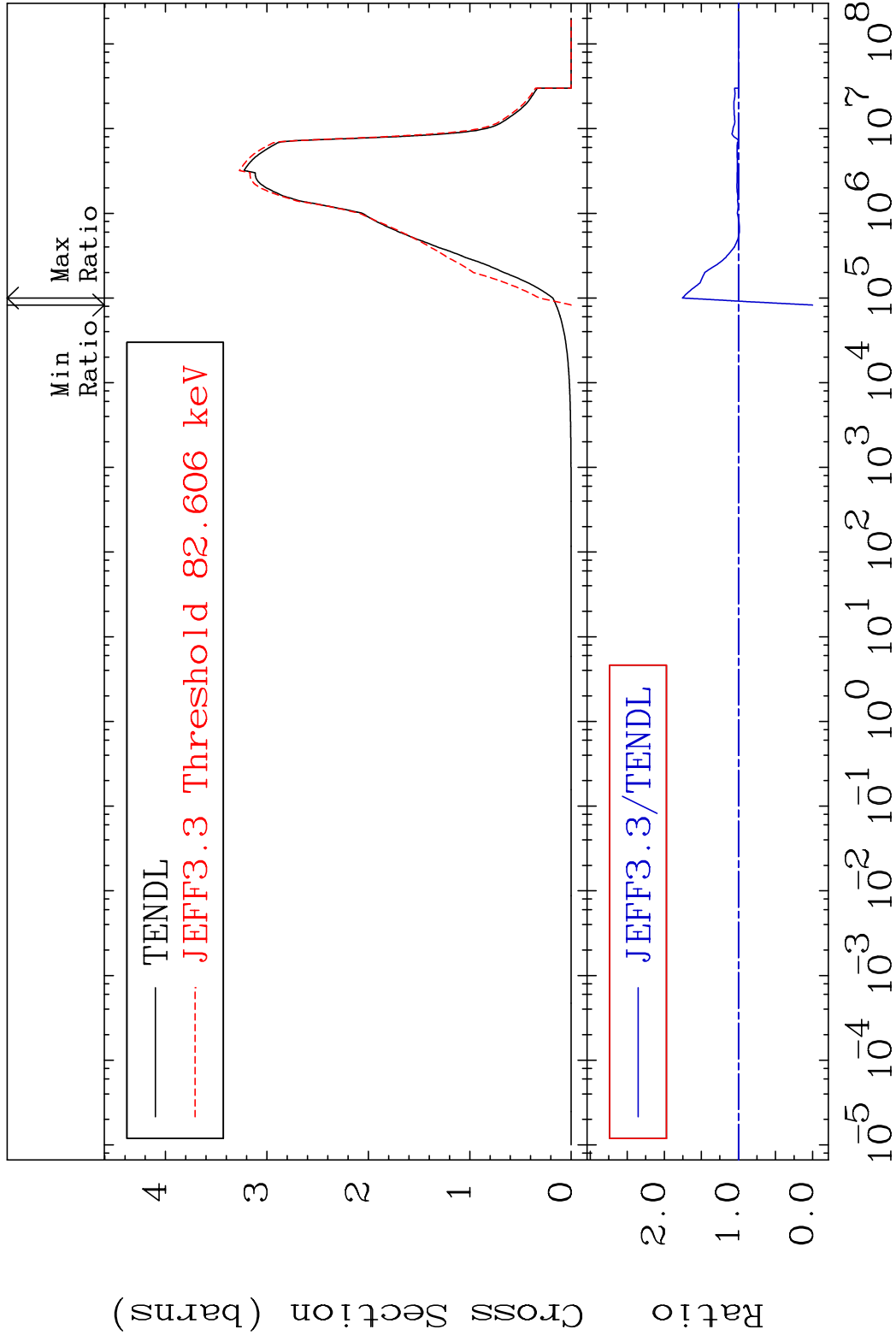
74 Incident Energy (eV) 70-Yb-176

MAT 7049

Inelastic: 70-Yb-176g

70-Yb-176

Radionuclide Production Cross Section to Ratio 75.64 %

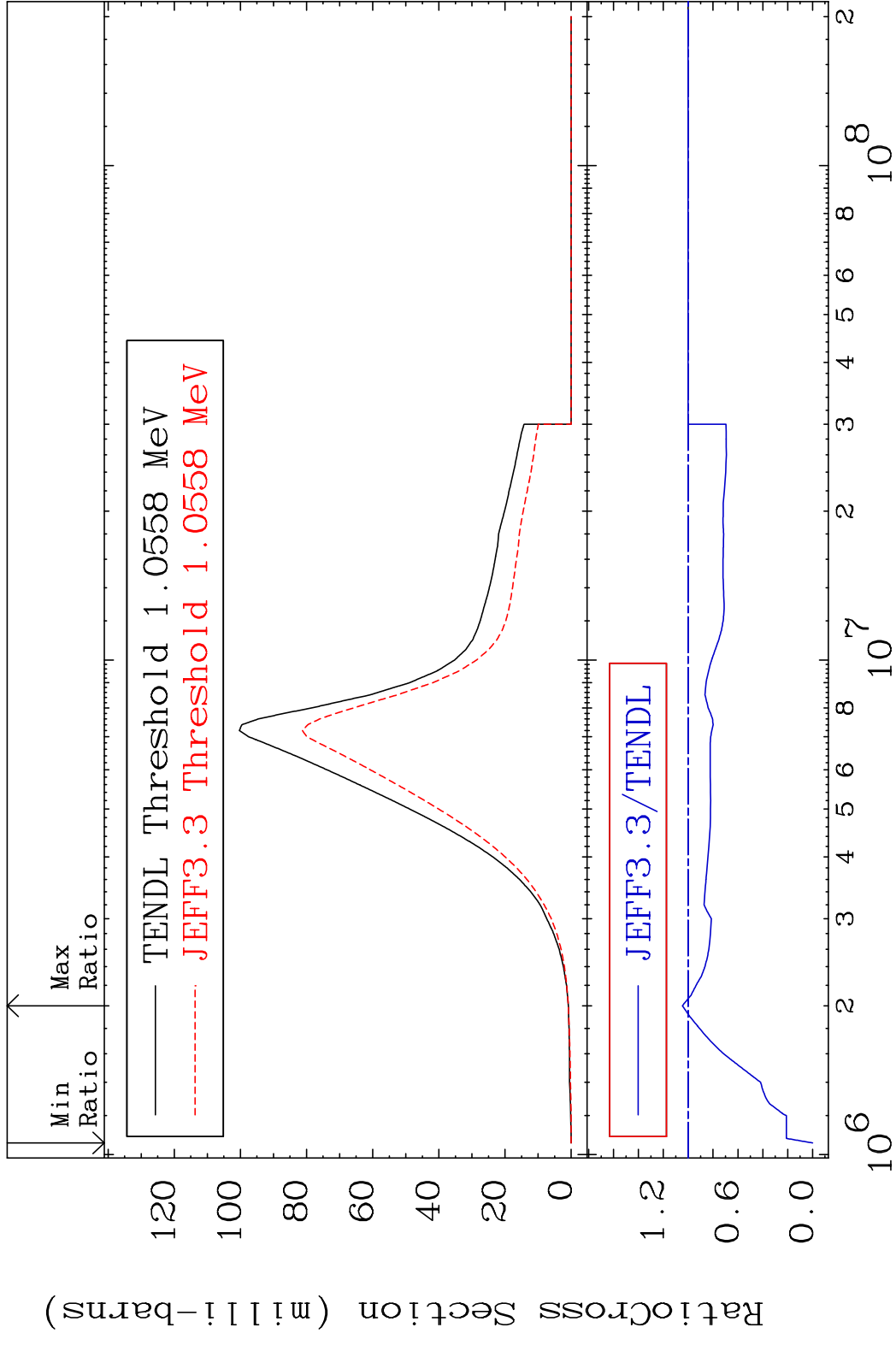


75

Incident Energy (eV)

70-Yb-176

MAT 7049 Inelastic: 70-Yb-176m5 70-Yb-176
 Radionuclide Production Cross Section 1.00e+01 to 4.675 %



76 Incident Energy (eV) 70-Yb-176