

Program Complot
(Version 2021-1)

by

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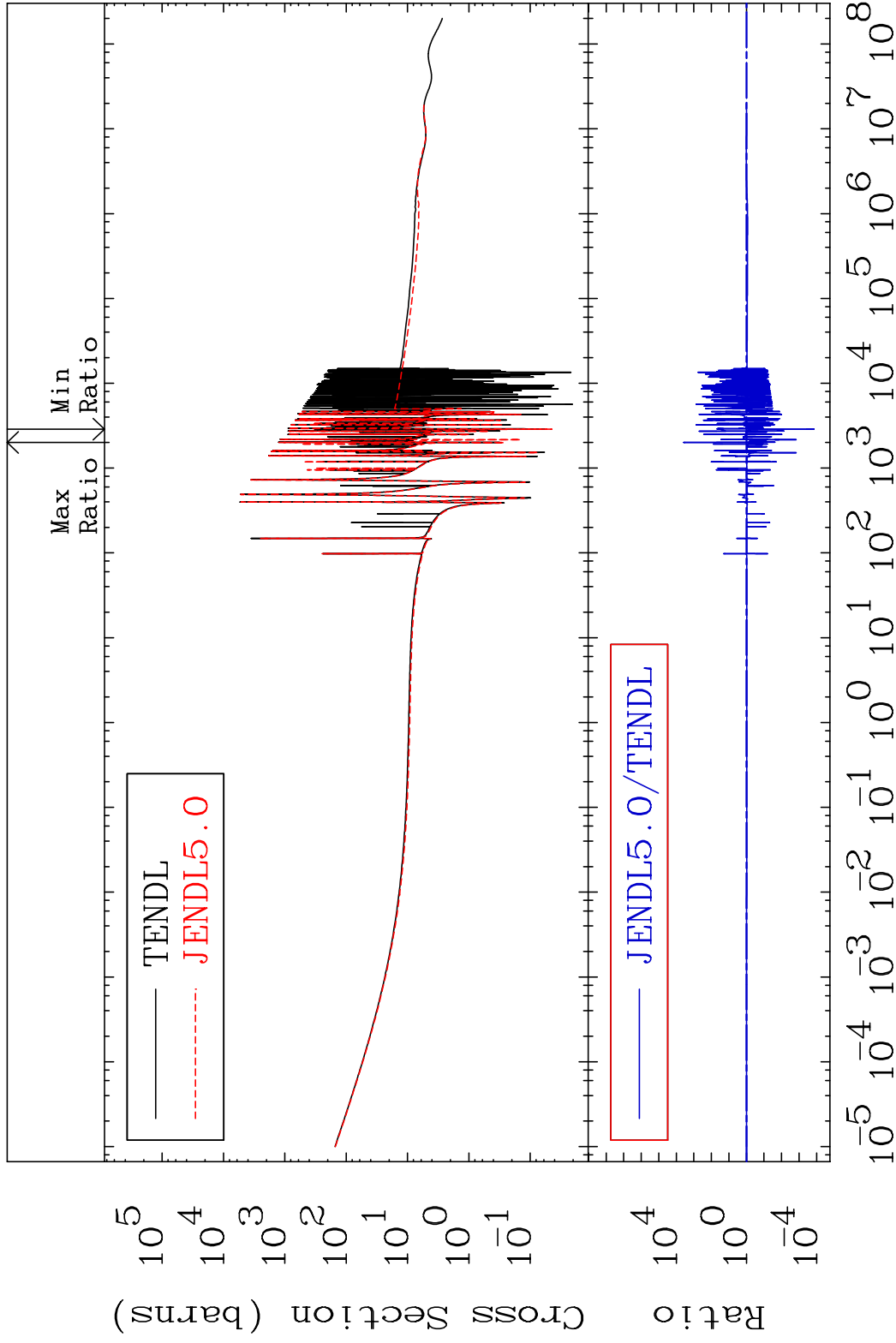
Press Mouse Button to Start

MAT 7049

Total

70-Yb-176

Cross Section -99.99 To 9999. %



1

Incident Energy (eV)

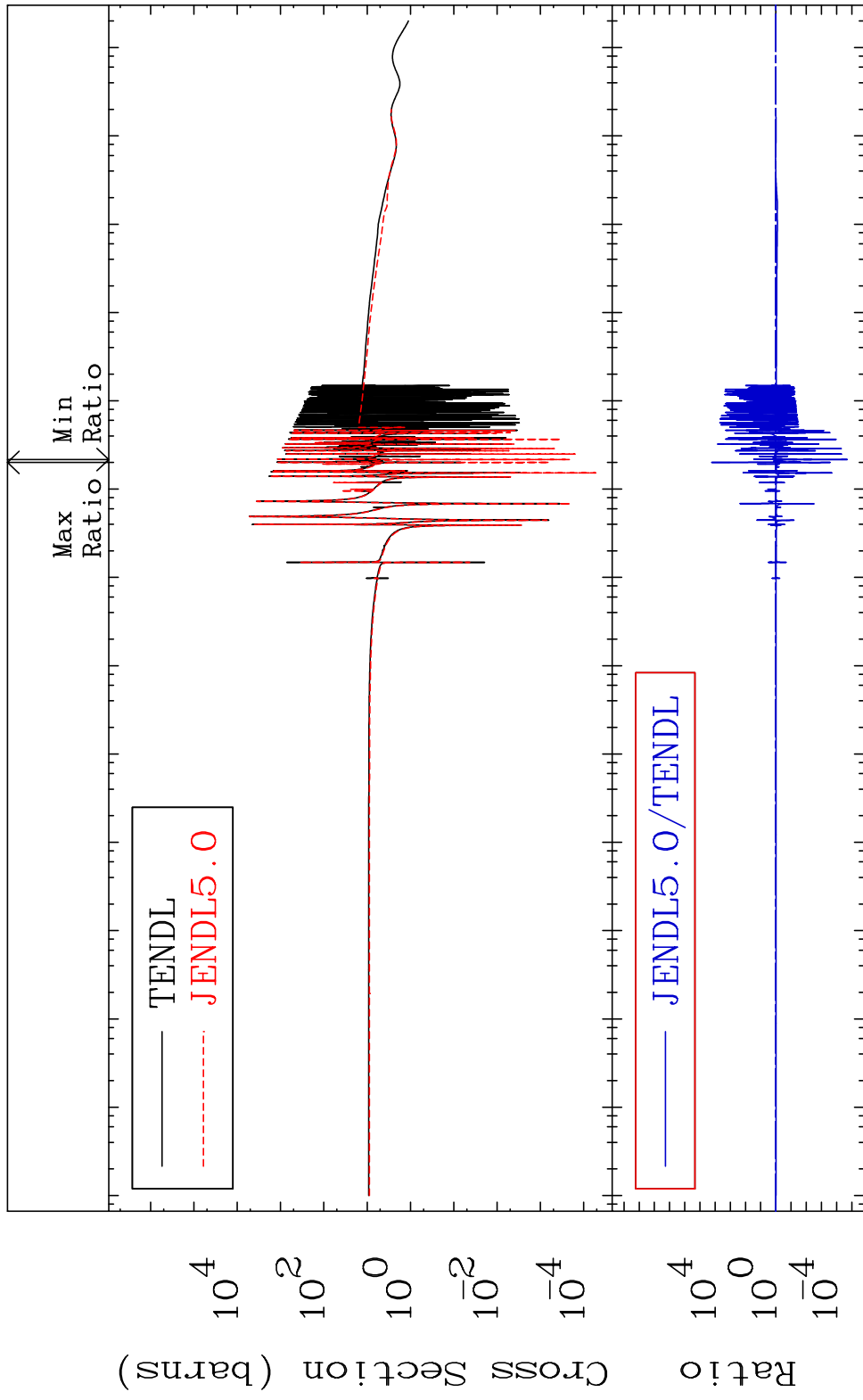
70-Yb-176

MAT 7049

Elastic

70-Yb-176

Cross Section -100.0 To 9999. %

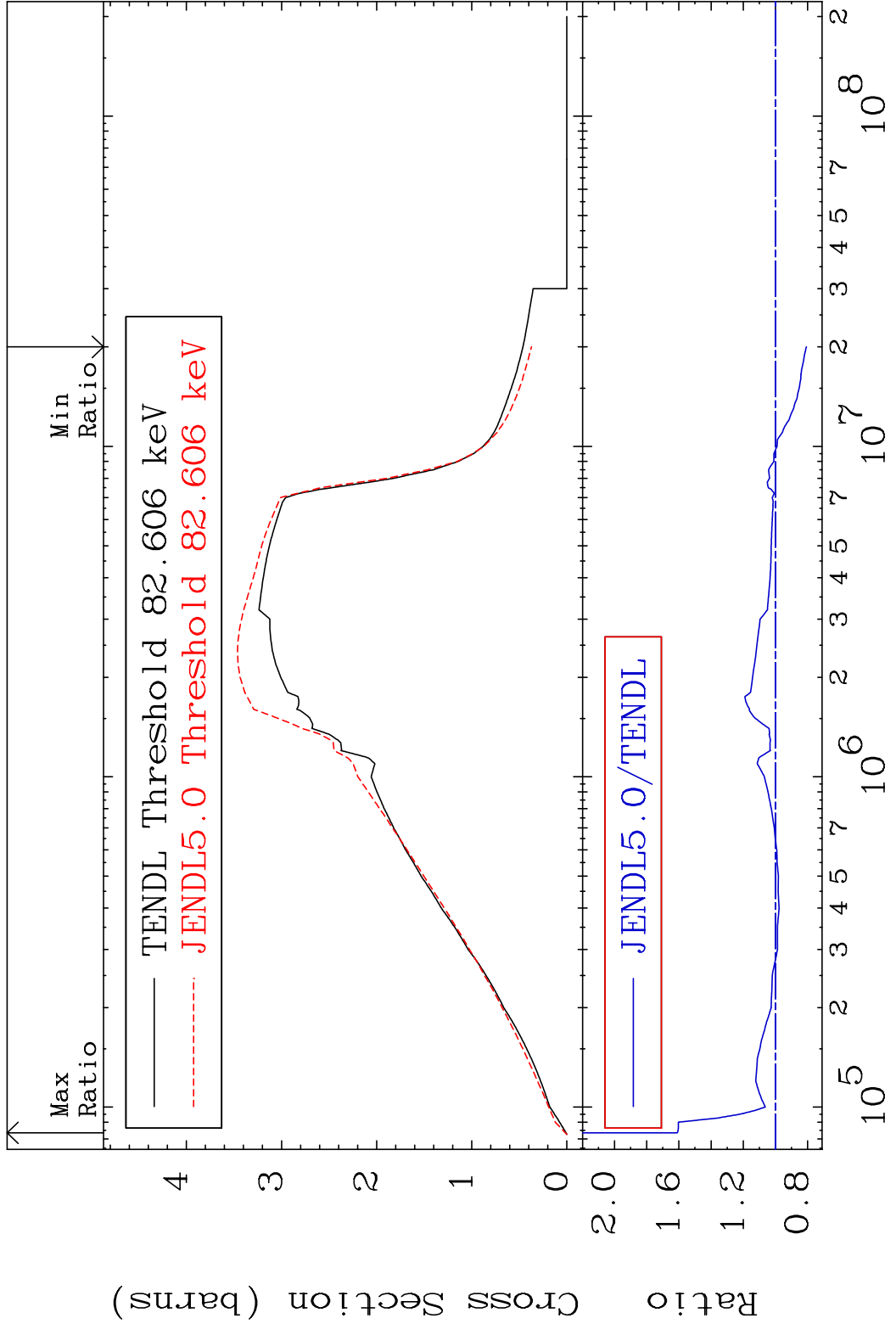


2

Incident Energy (eV)

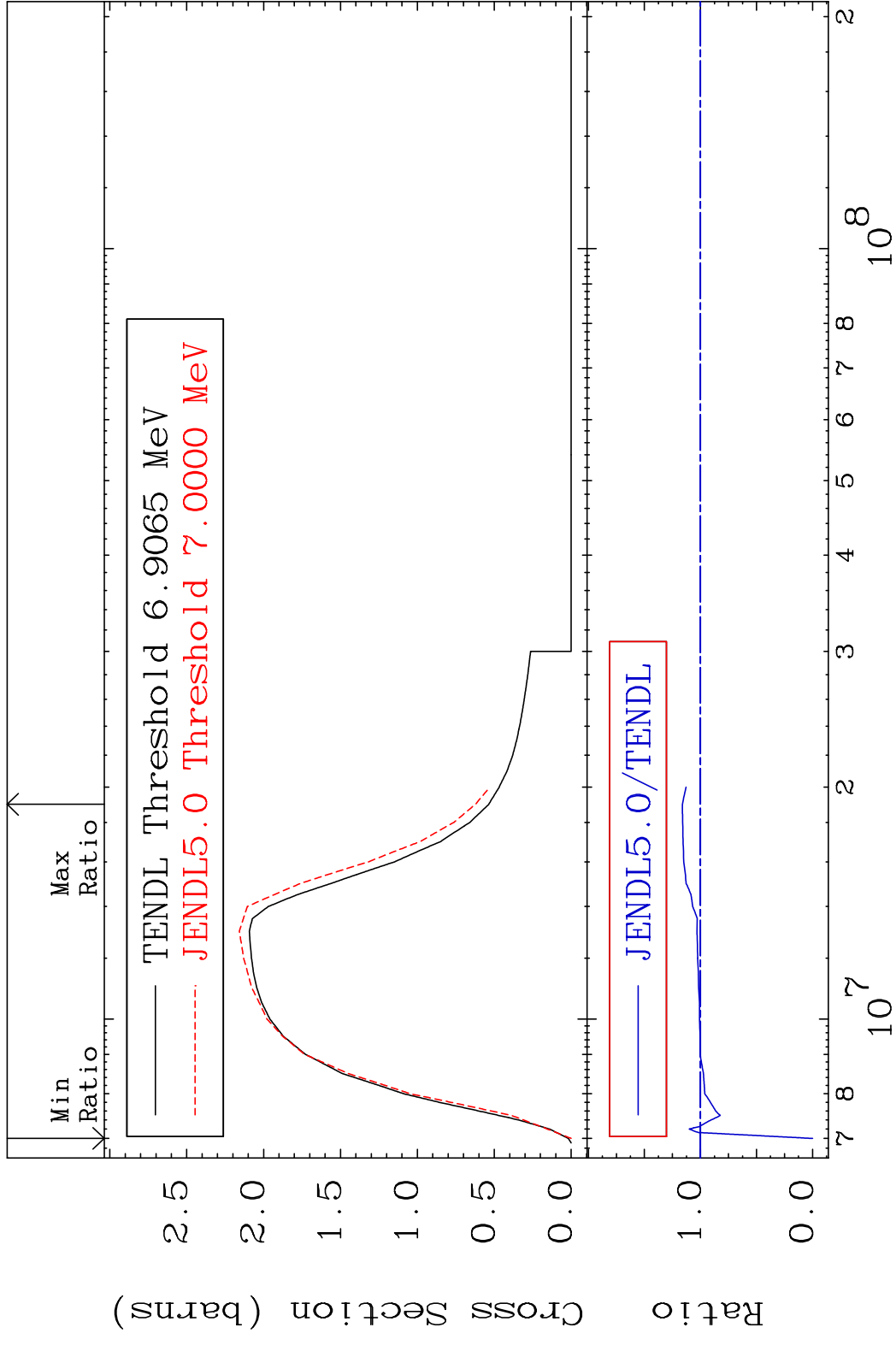
70-Yb-176

MAT 7049 Inelastic 70-Yb-176
Cross Section -19.28 To 61.06 %



3 Incident Energy (eV) 70-Yb-176

MAT 7049 (n,2n) 70-Yb-176
 Cross Section -100.0 To 16.15 %



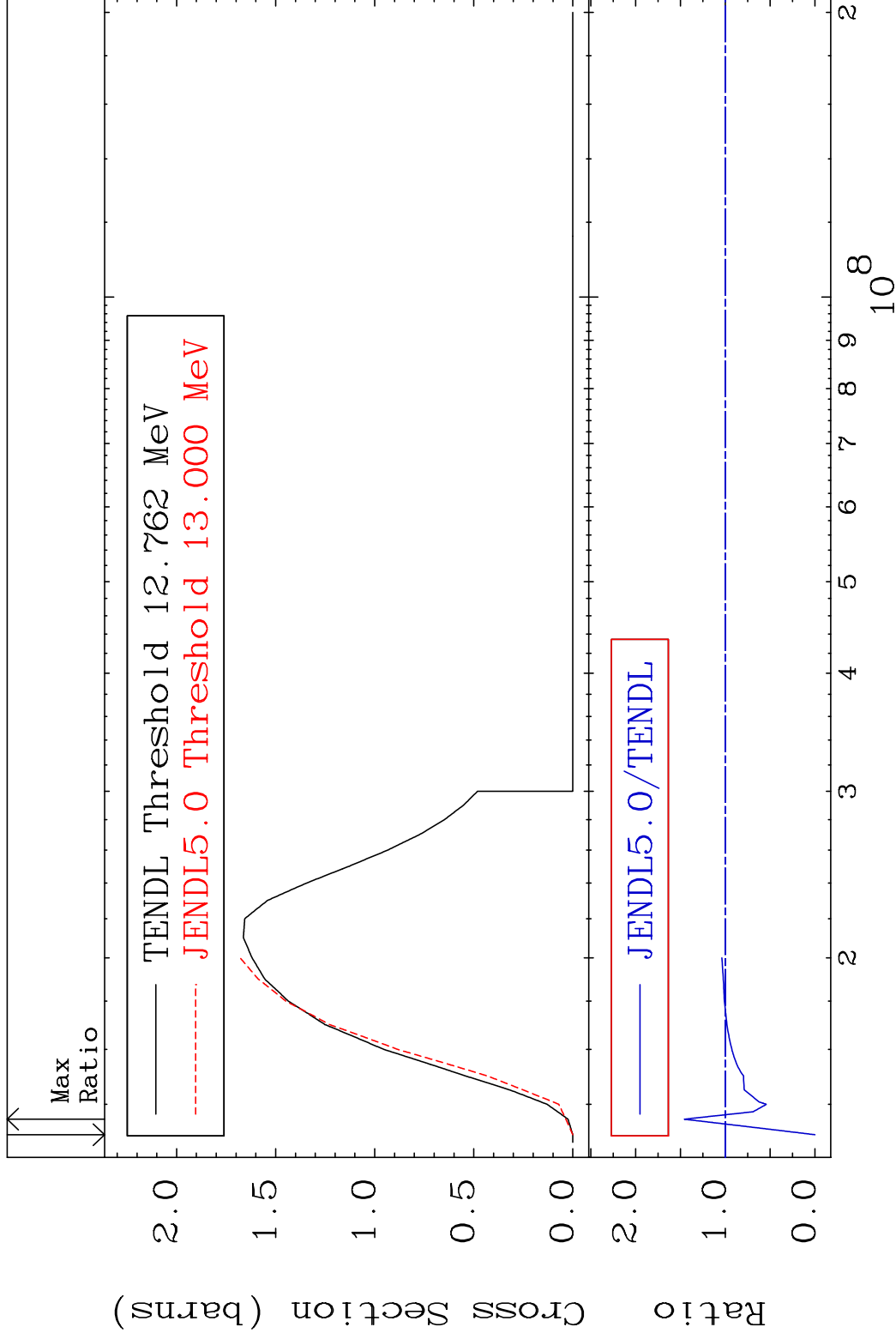
4 Incident Energy (eV) 70-Yb-176

MAT 7049

(n,3n)

70-Yb-176

Cross Section -100.0 To 45.61 %



5

Incident Energy (eV)

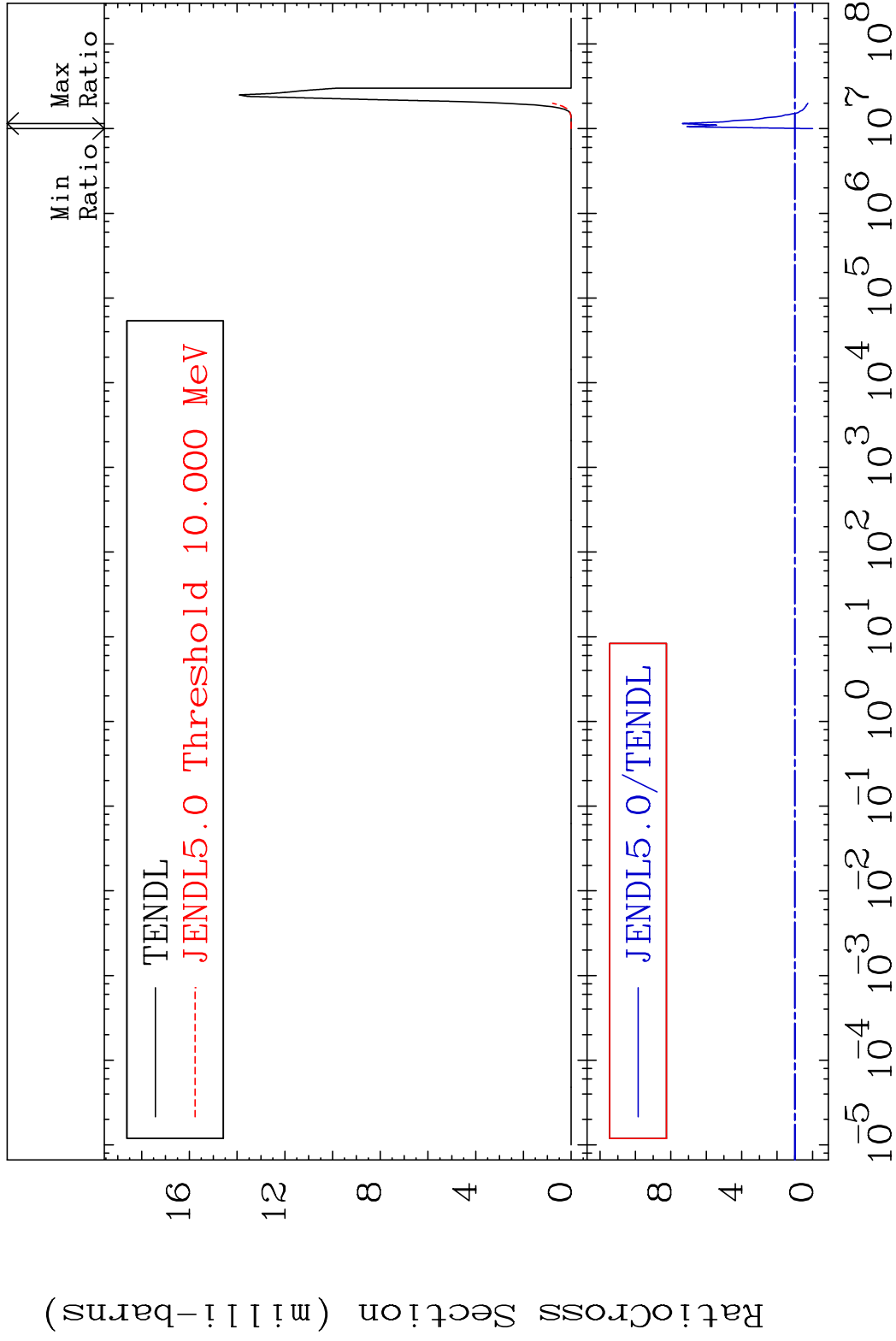
70-Yb-176

MAT 7049

(n, n') α

70-Yb-176

Cross Section -100.0 To 635.2 %

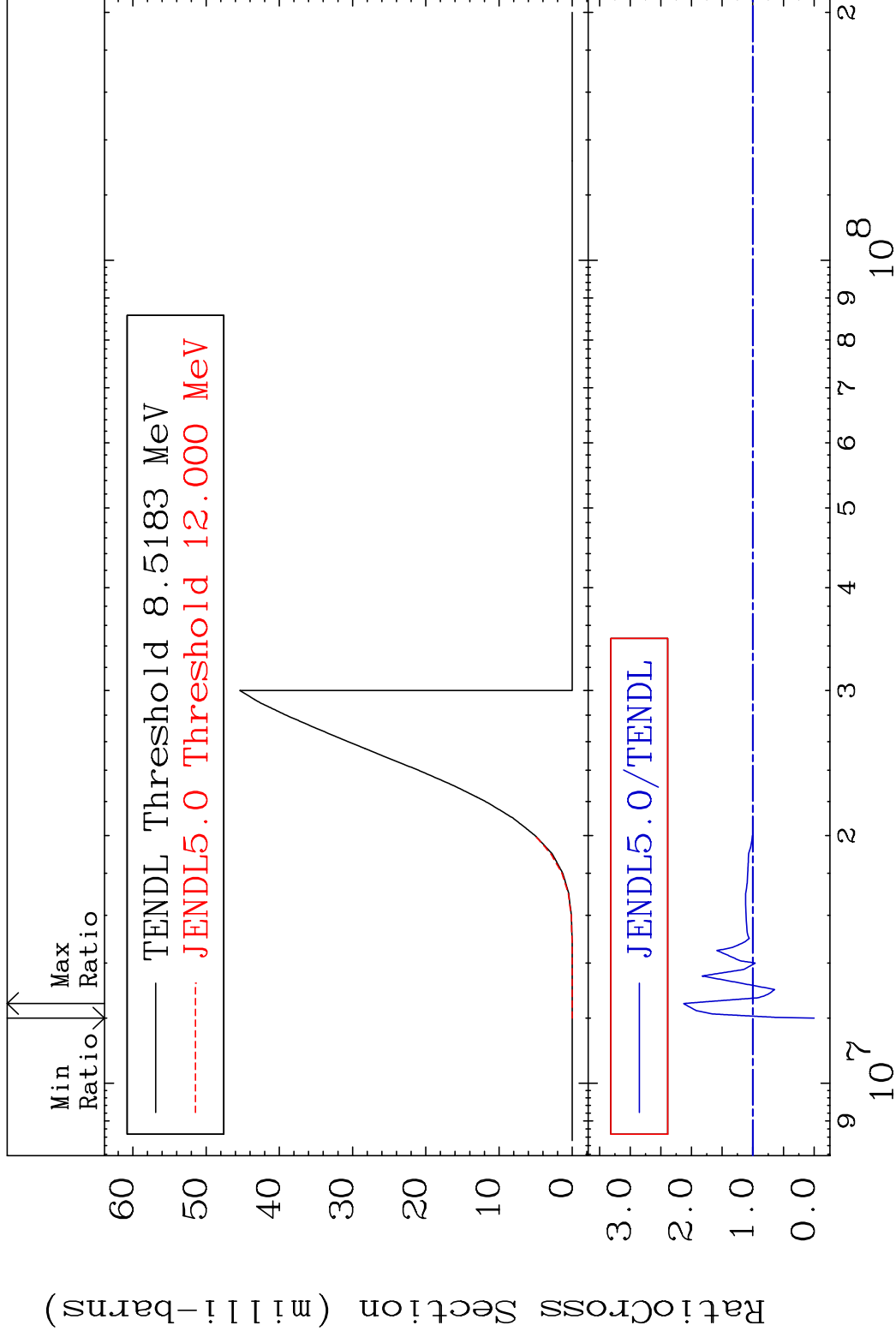


MAT 7049

(n, n') p

70-Yb-176

Cross Section -100.0 To 112.8 %



7

Incident Energy (eV)

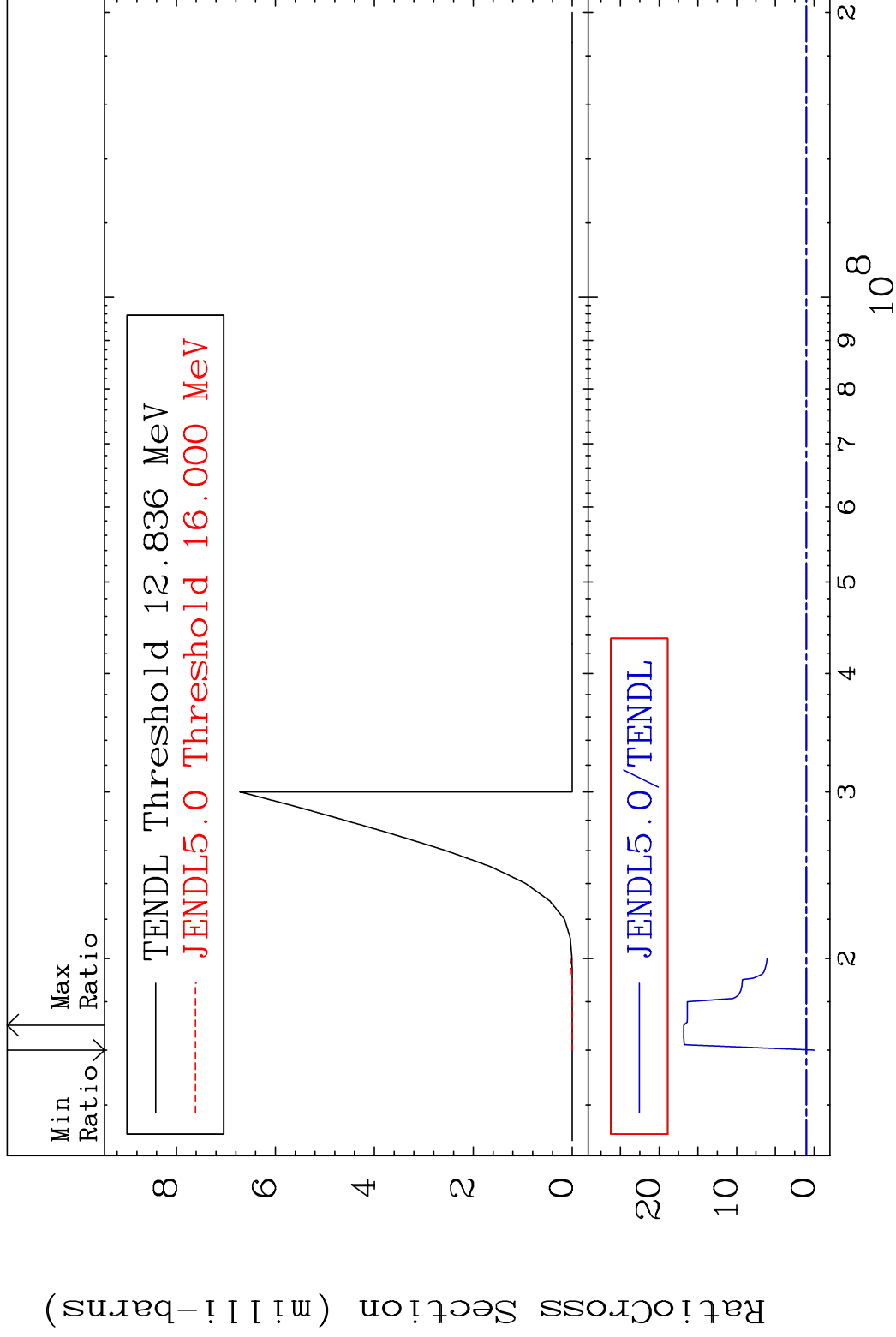
70-Yb-176

MAT 7049

(n, n') d

70-Yb-176

Cross Section -100.0 To 1584. %

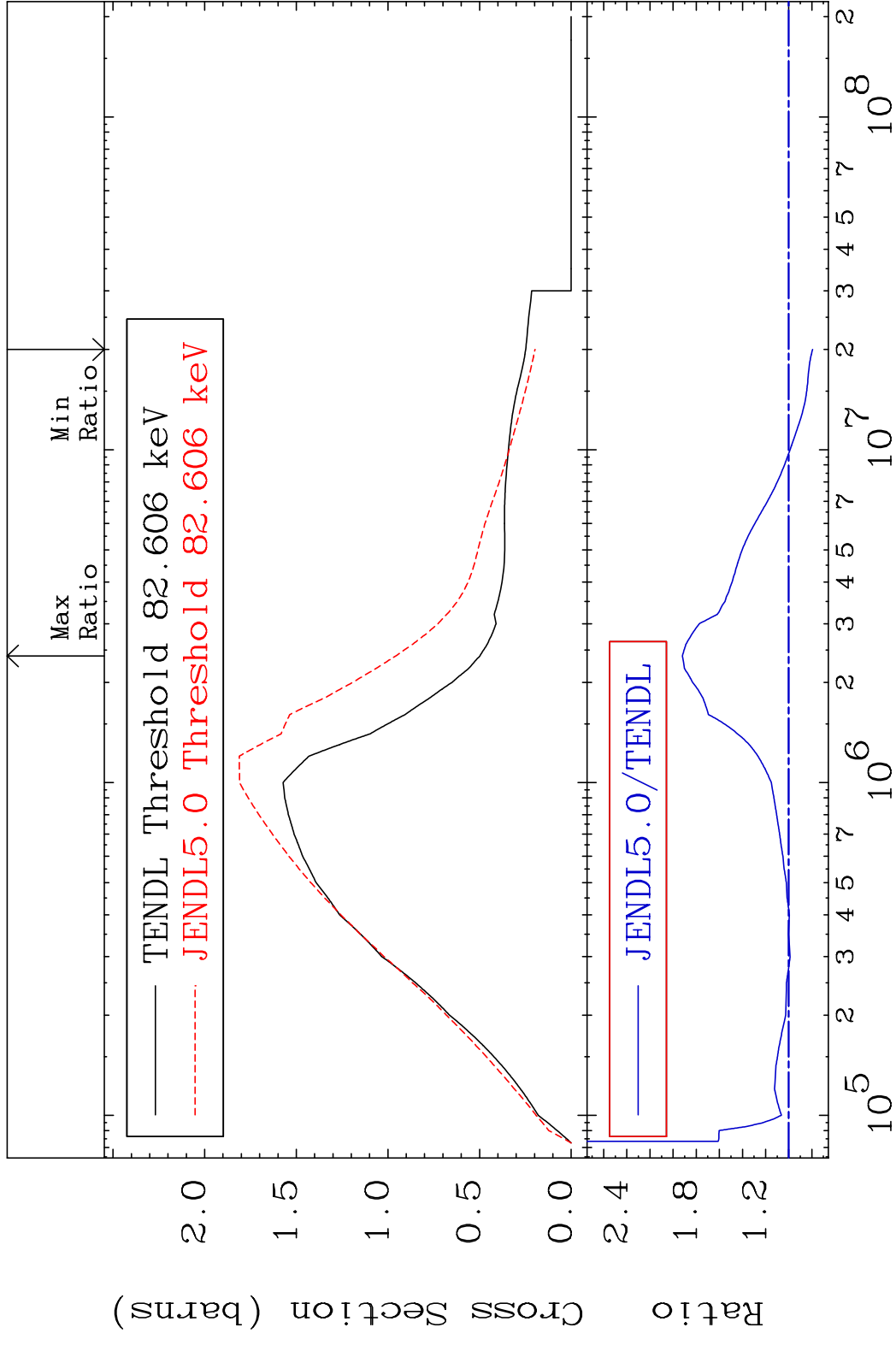


8

Incident Energy (eV)

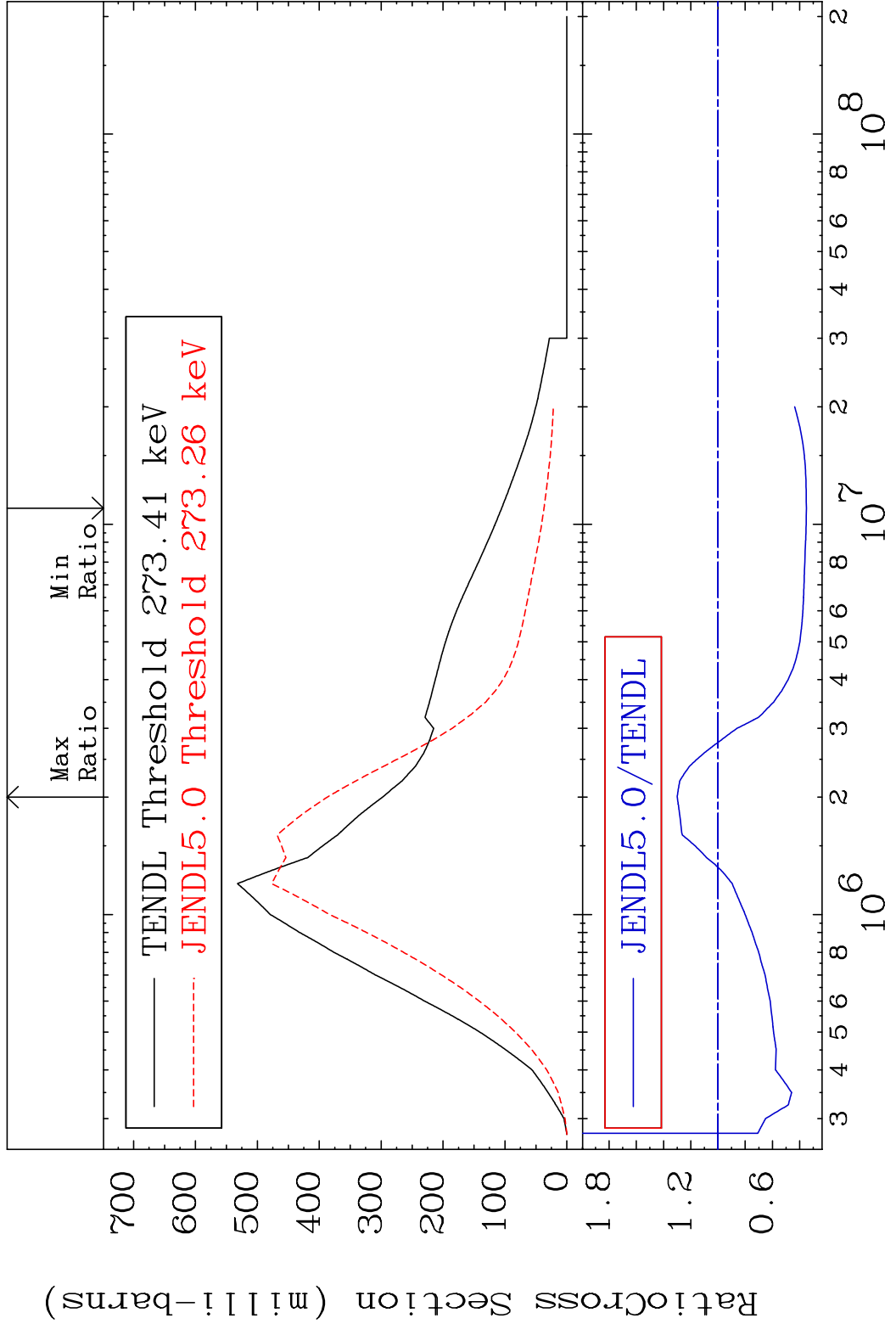
70-Yb-176

MAT 7049 MT= 51 (n, n') Level 70-Yb-176
 Cross Section -20.60 To 92.00 %

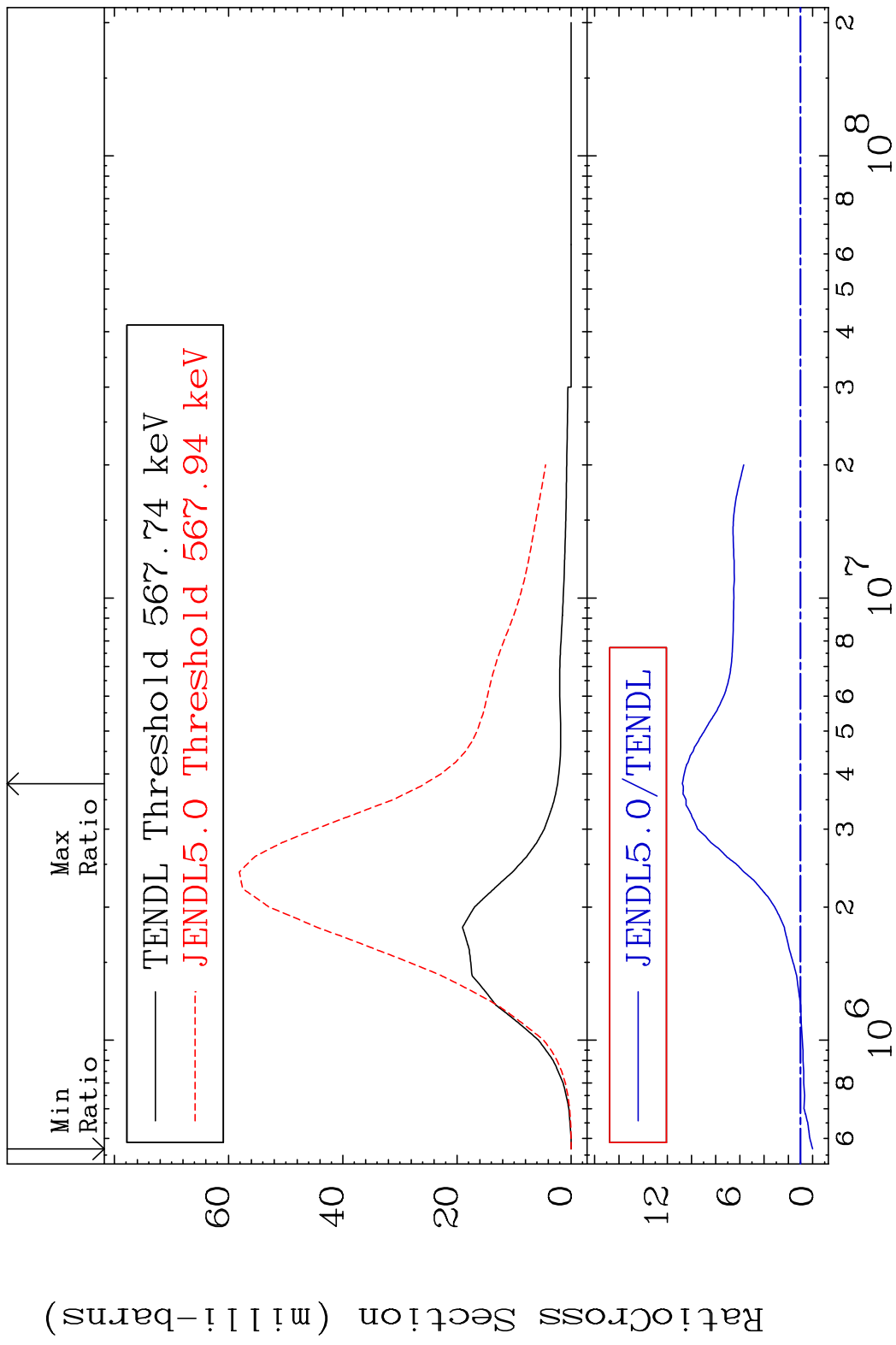


9 Incident Energy (eV) 70-Yb-176

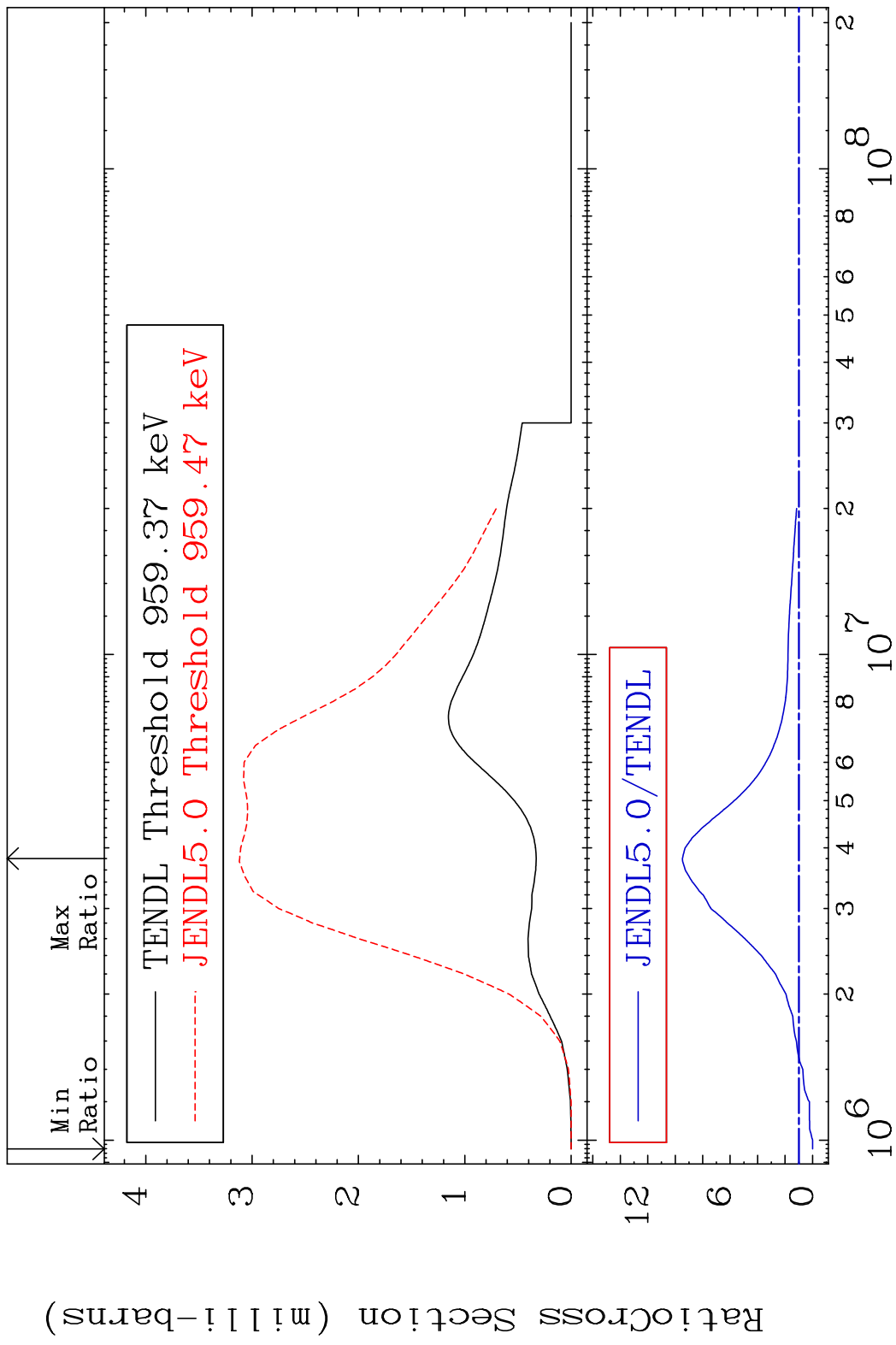
MAT 7049 MT= 52 (n, n') Level 70-Yb-176
 Cross Section -64.94 To 29.97 %



MAT 7049 MT= 53 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 975.7 %

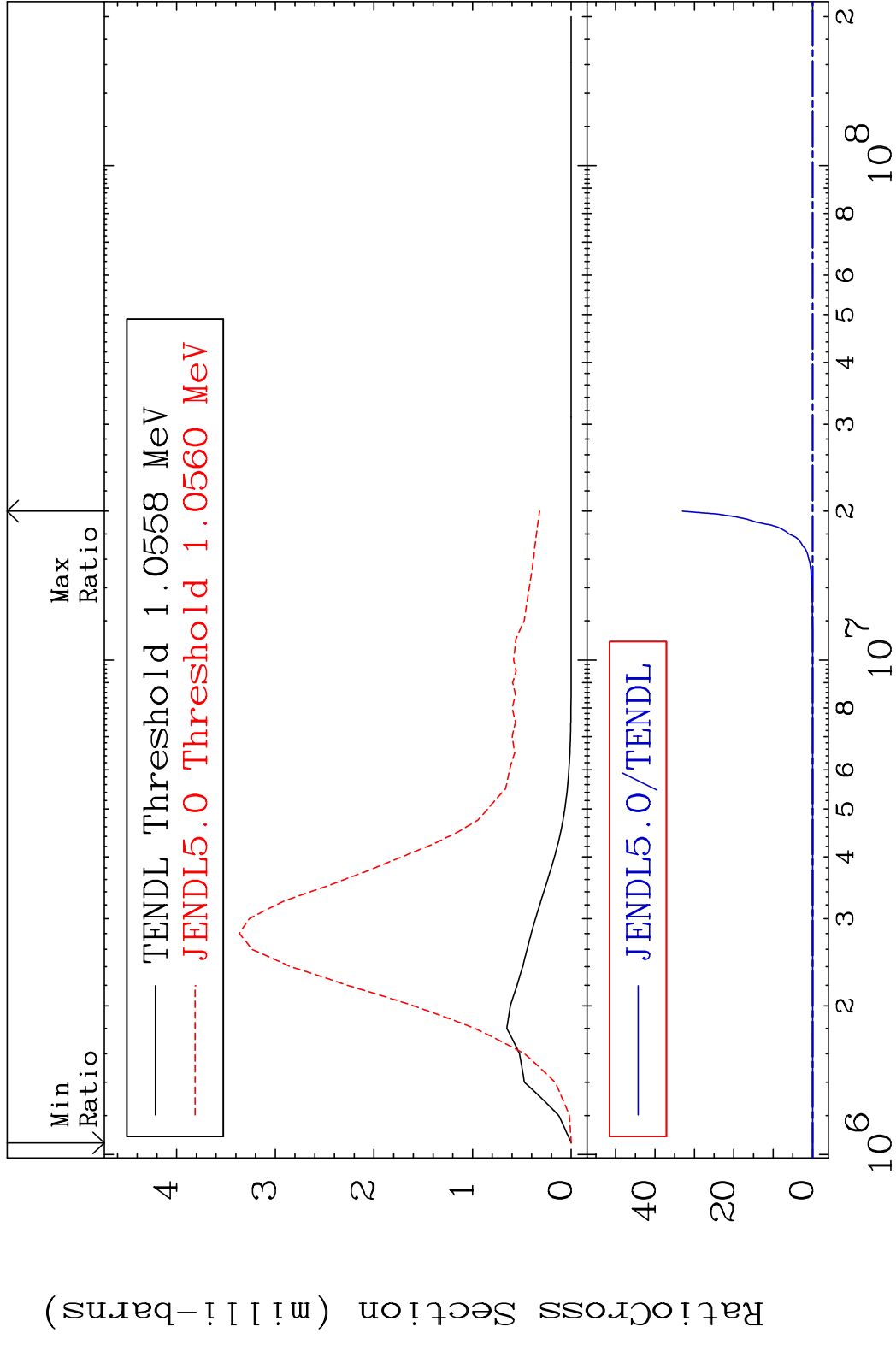


MAT 7049 MT= 54 (n,n') Level 70-Yb-176
 Cross Section -100.0 To 848.0 %



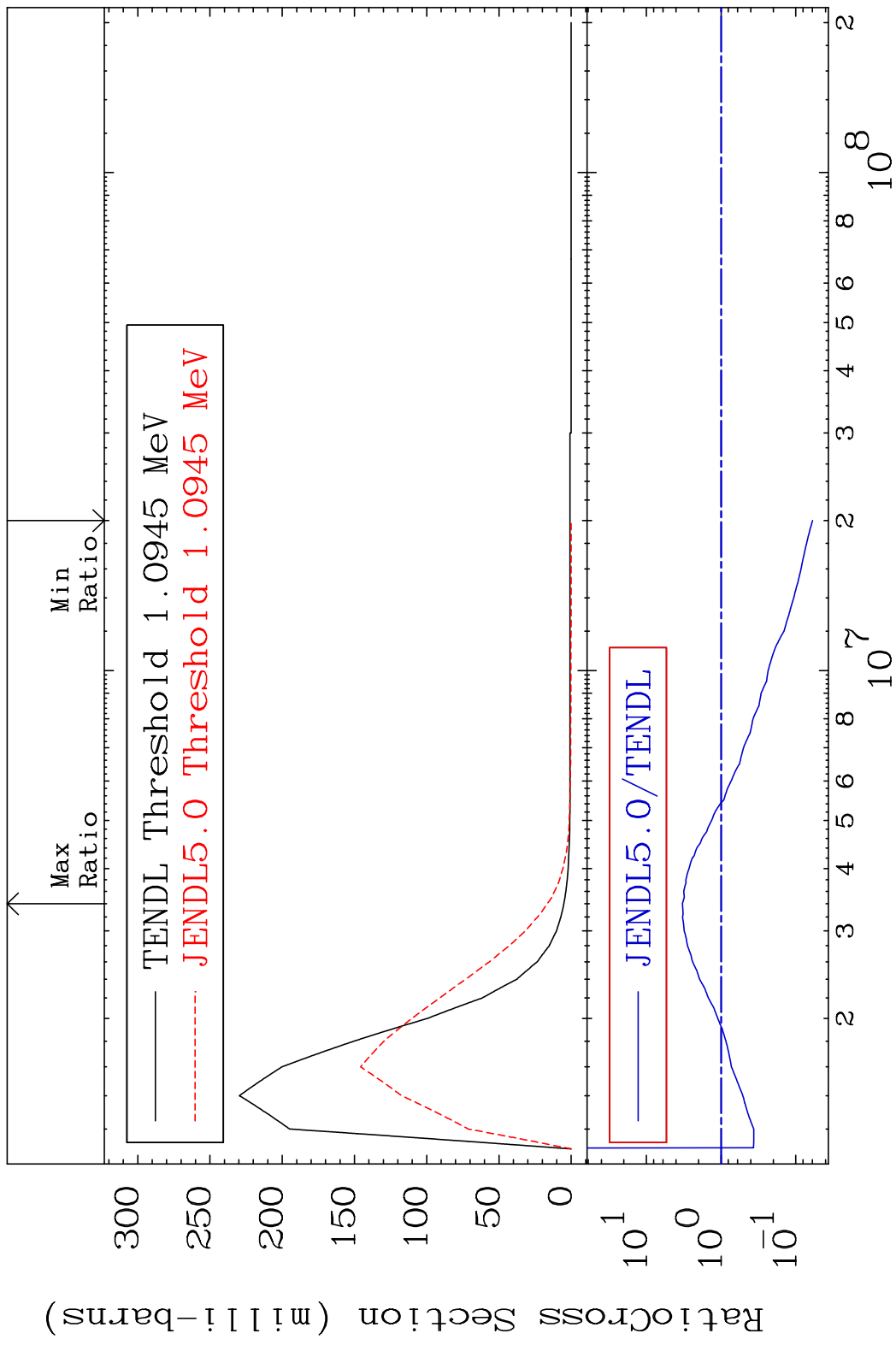
12

MAT 7049 MT= 55 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 9999. %

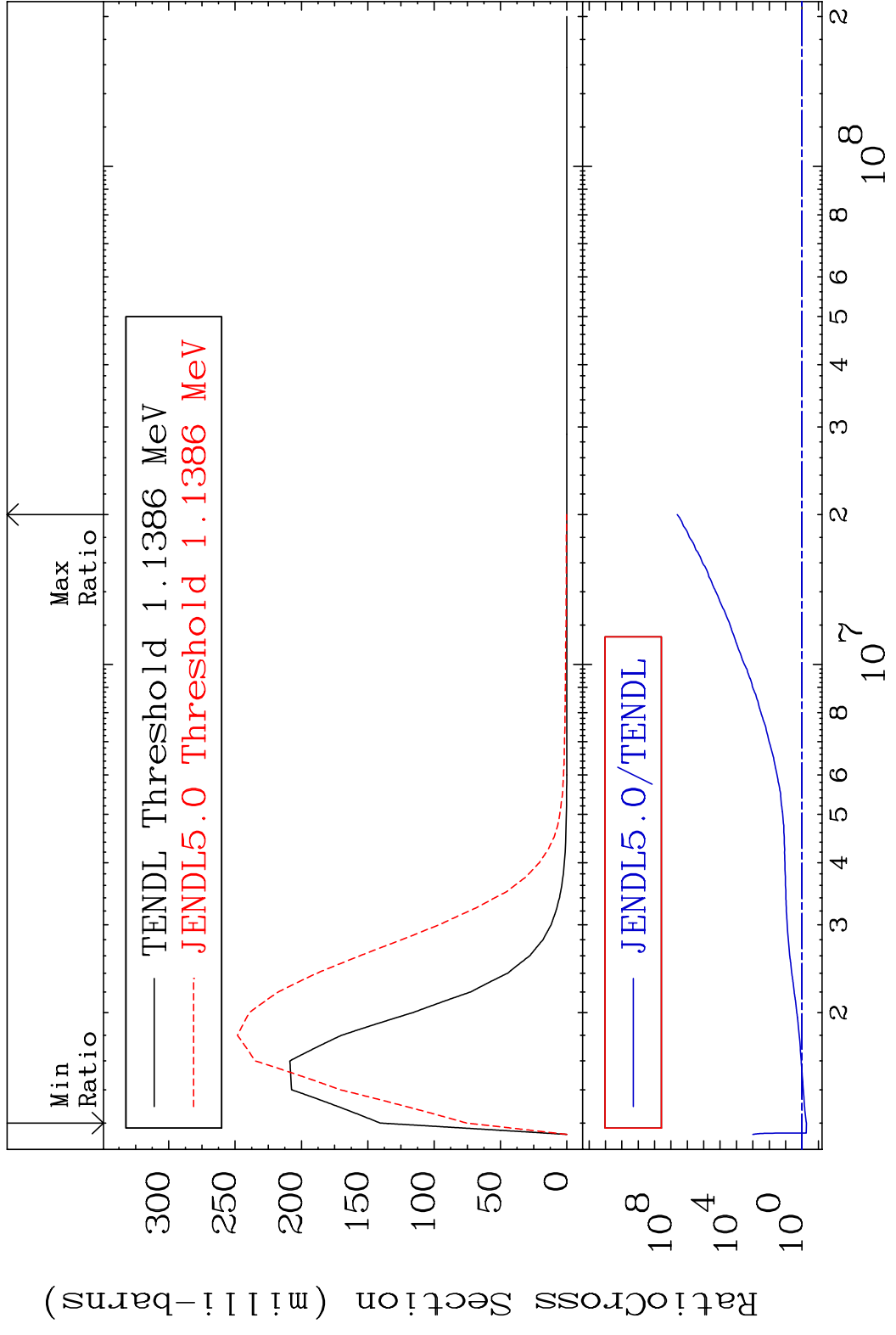


13 Incident Energy (eV) 70-Yb-176

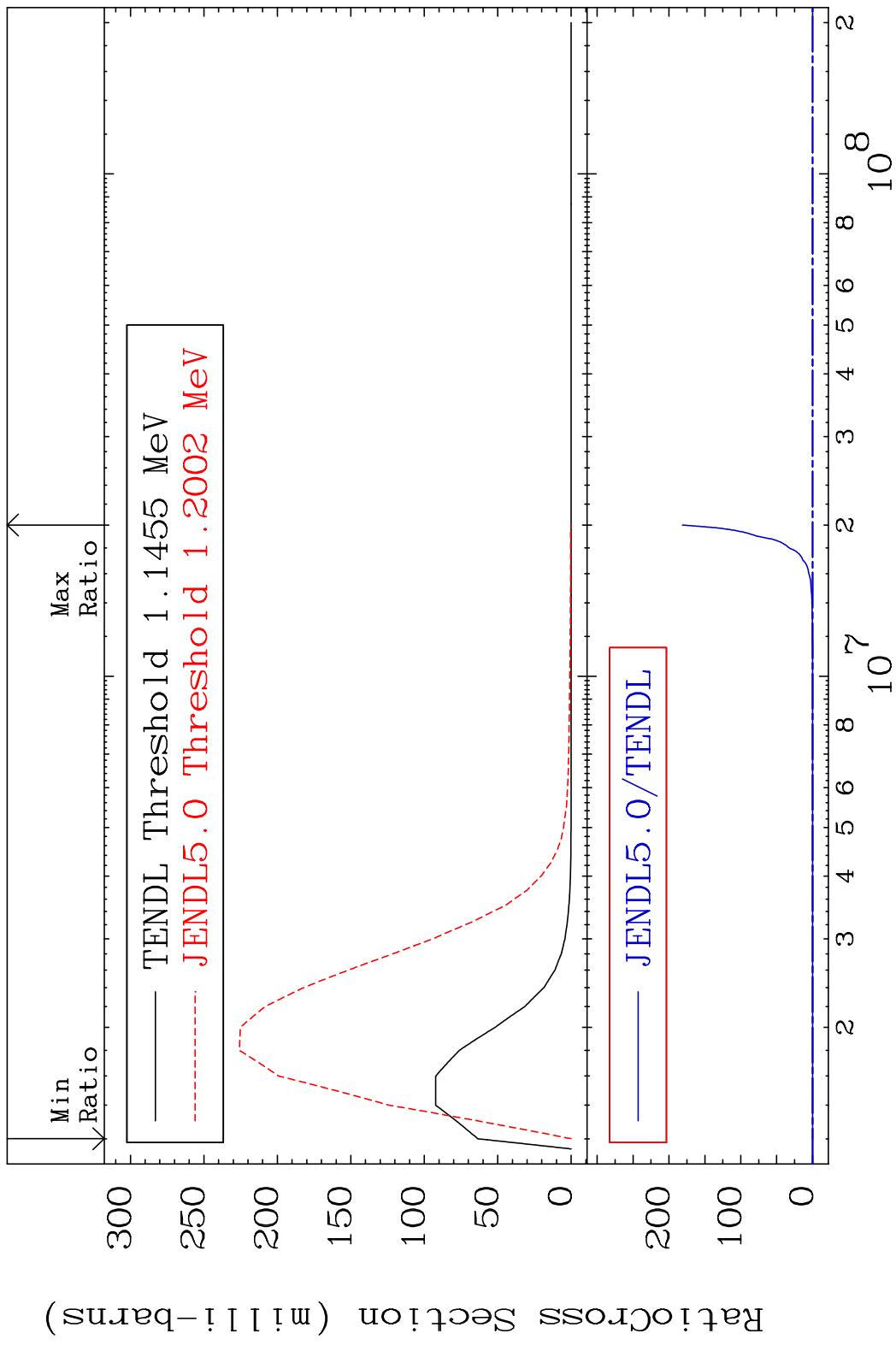
MAT 7049 MT= 56 (n, n') Level 70-Yb-176
 Cross Section -94.03 To 229.7 %



MAT 7049 MT= 57 (n, n') Level 70-Yb-176
 Cross Section -46.25 To 9999. %

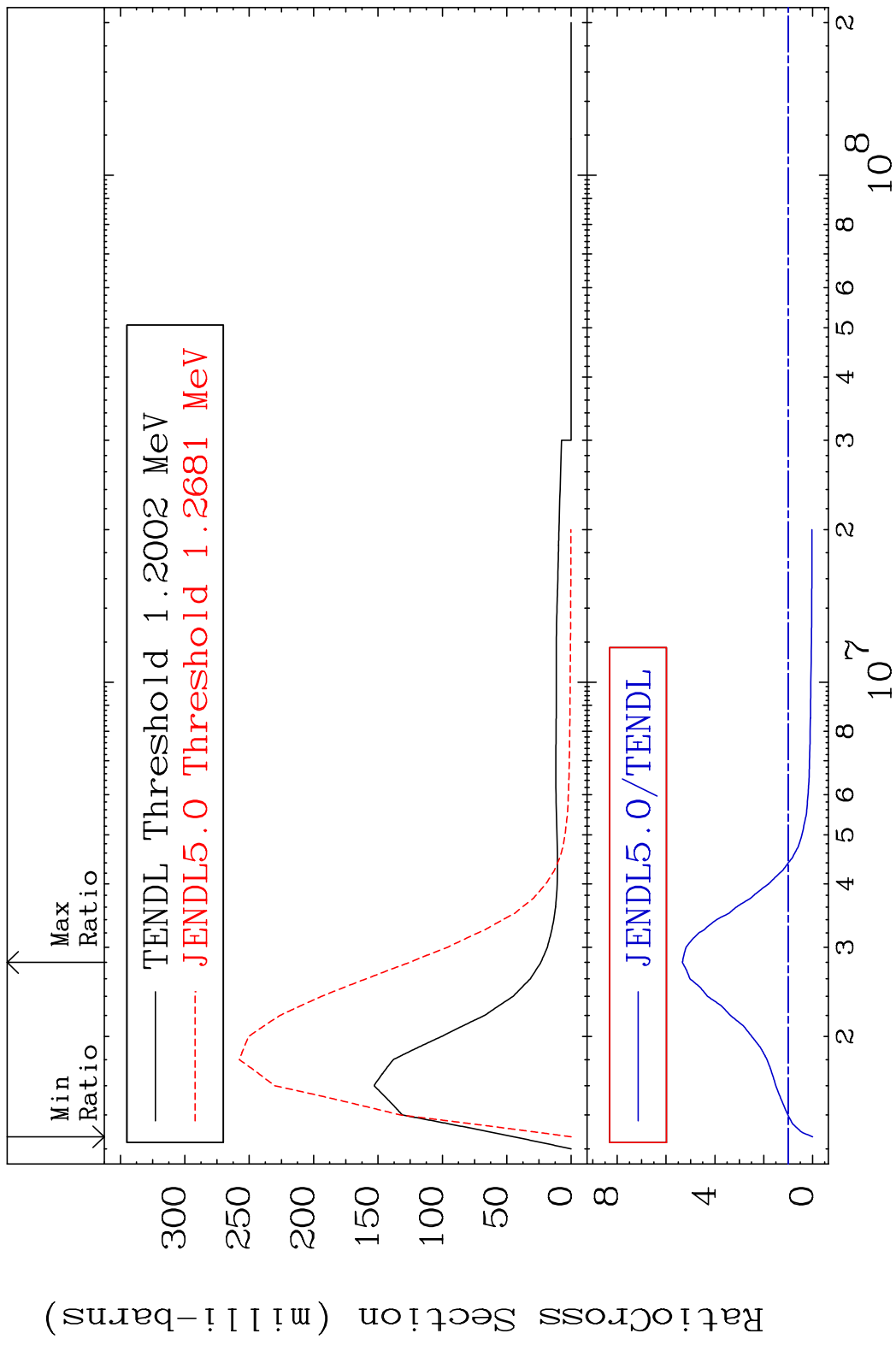


MAT 7049 MT= 58 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 9999. %

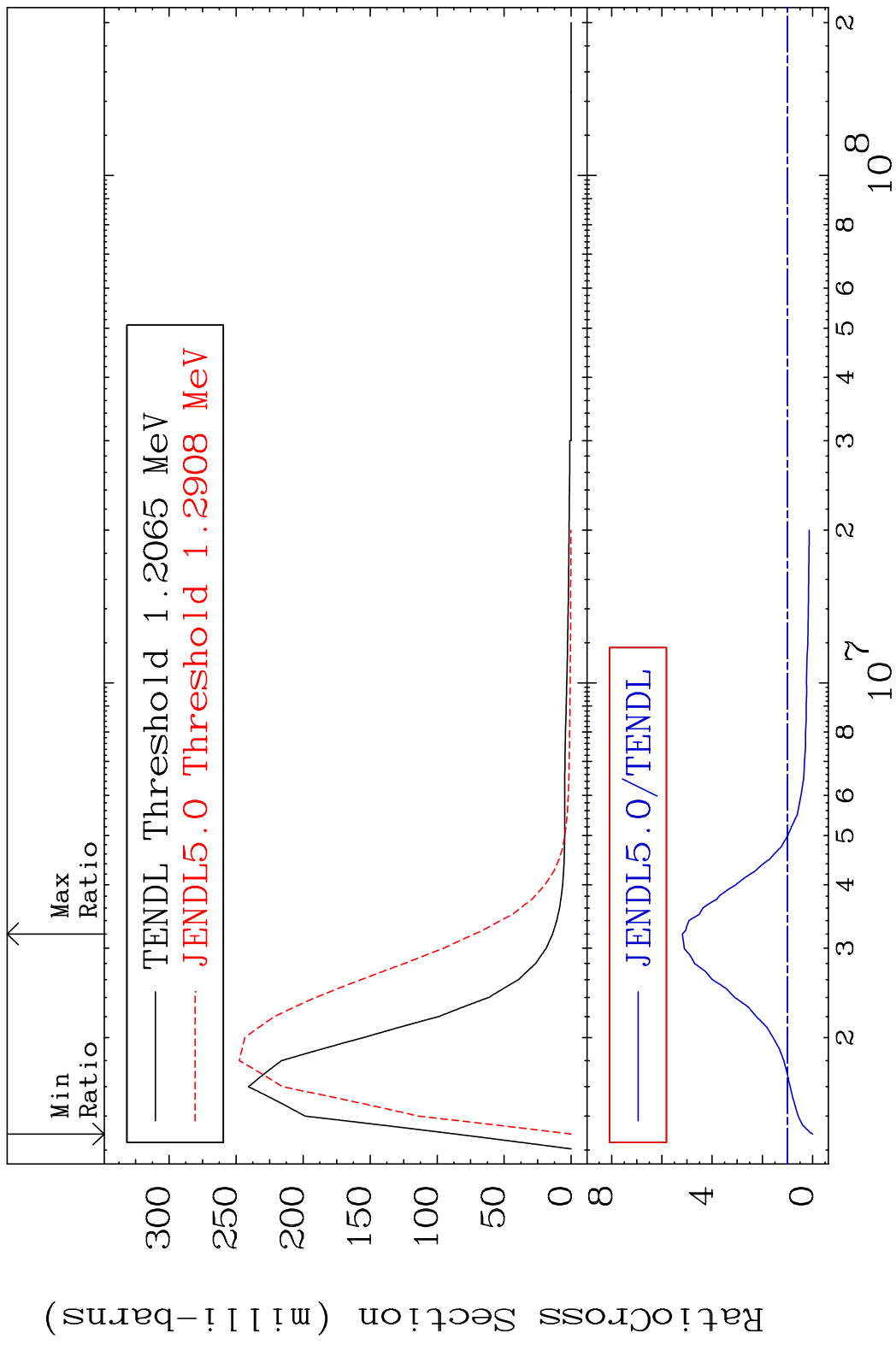


16 Incident Energy (eV) 70-Yb-176

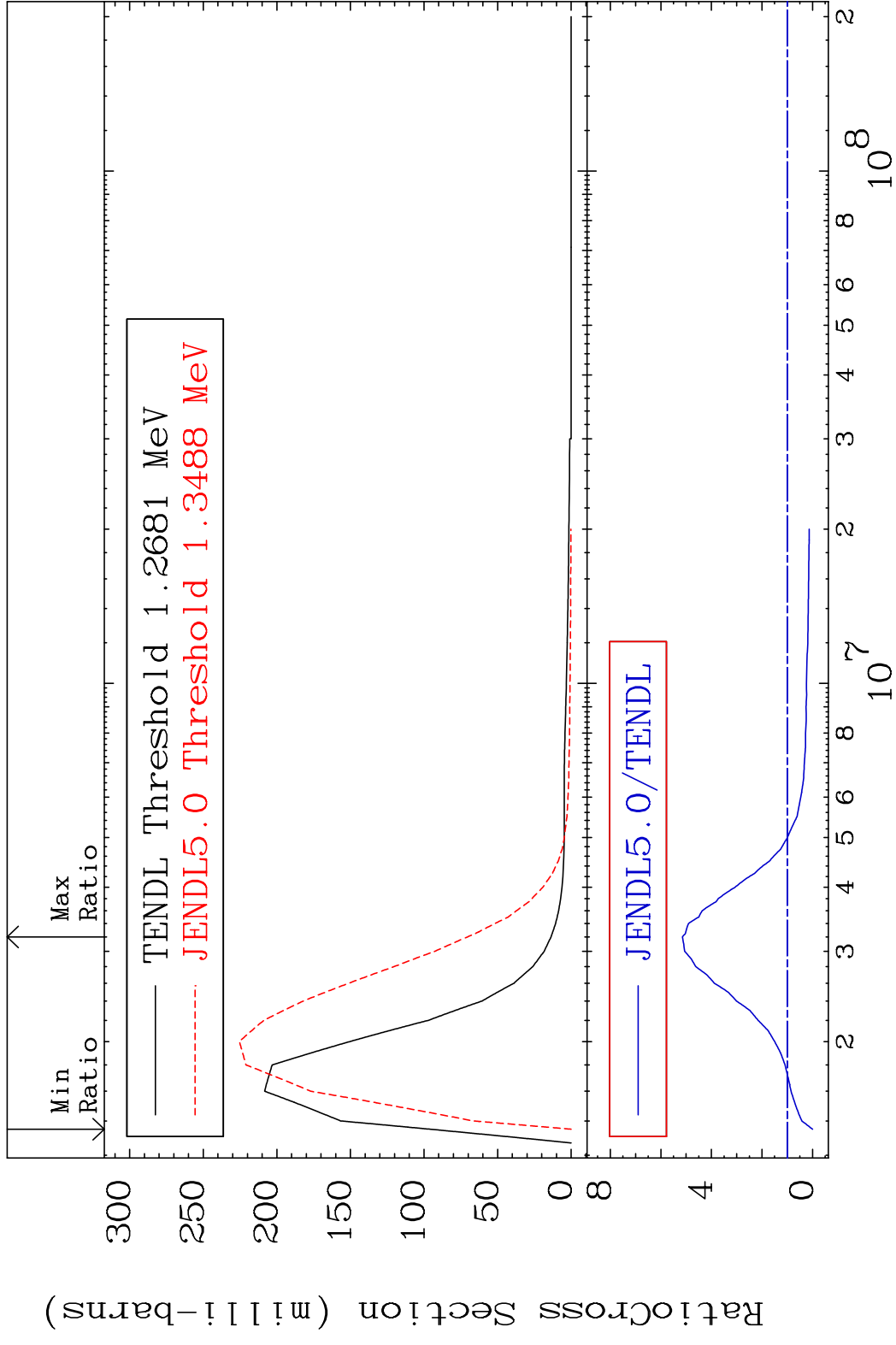
MAT 7049 MT= 59 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 433.3 %



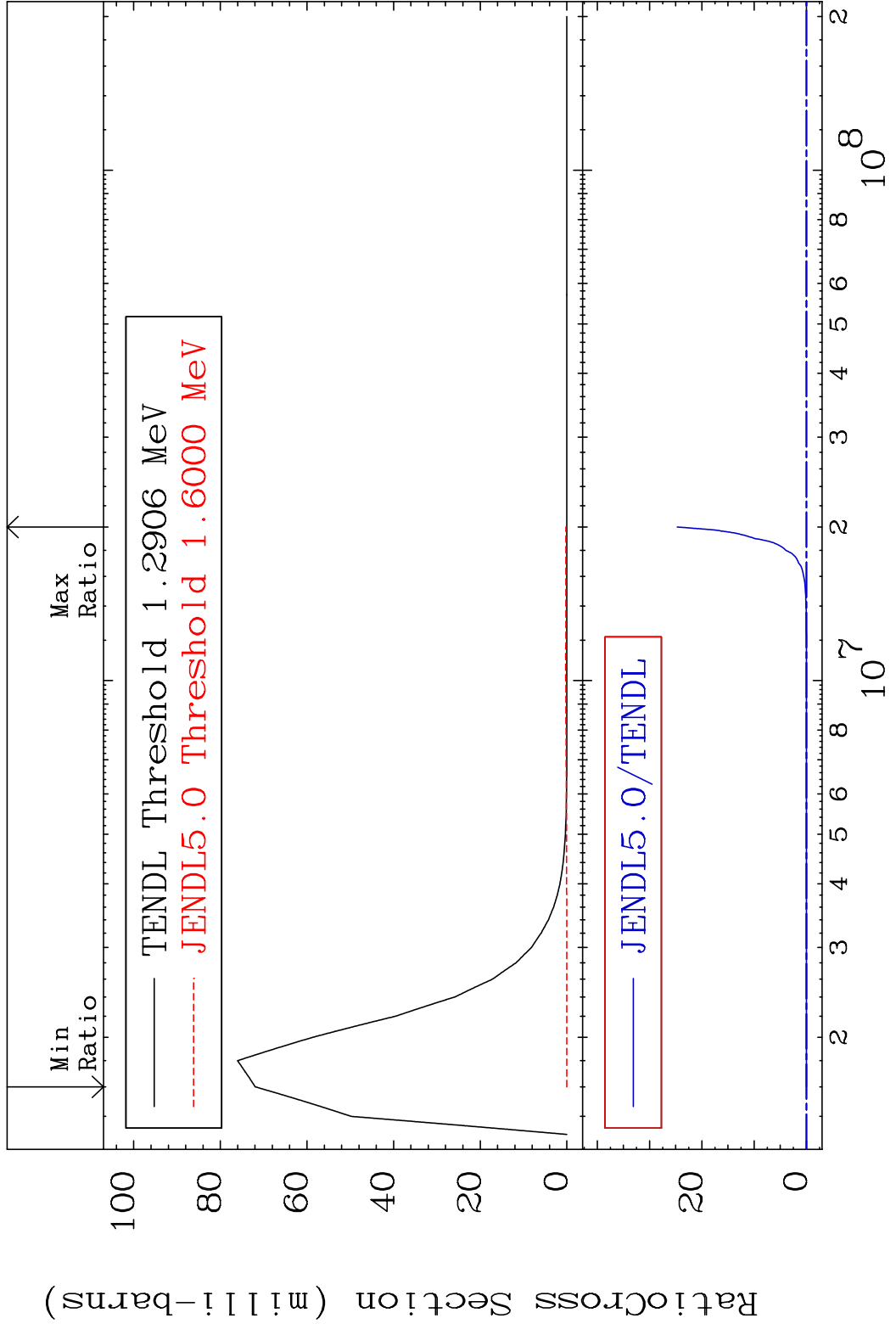
MAT 7049 MT= 60 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 418.4 %



MAT 7049 MT= 61 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 415.0 %

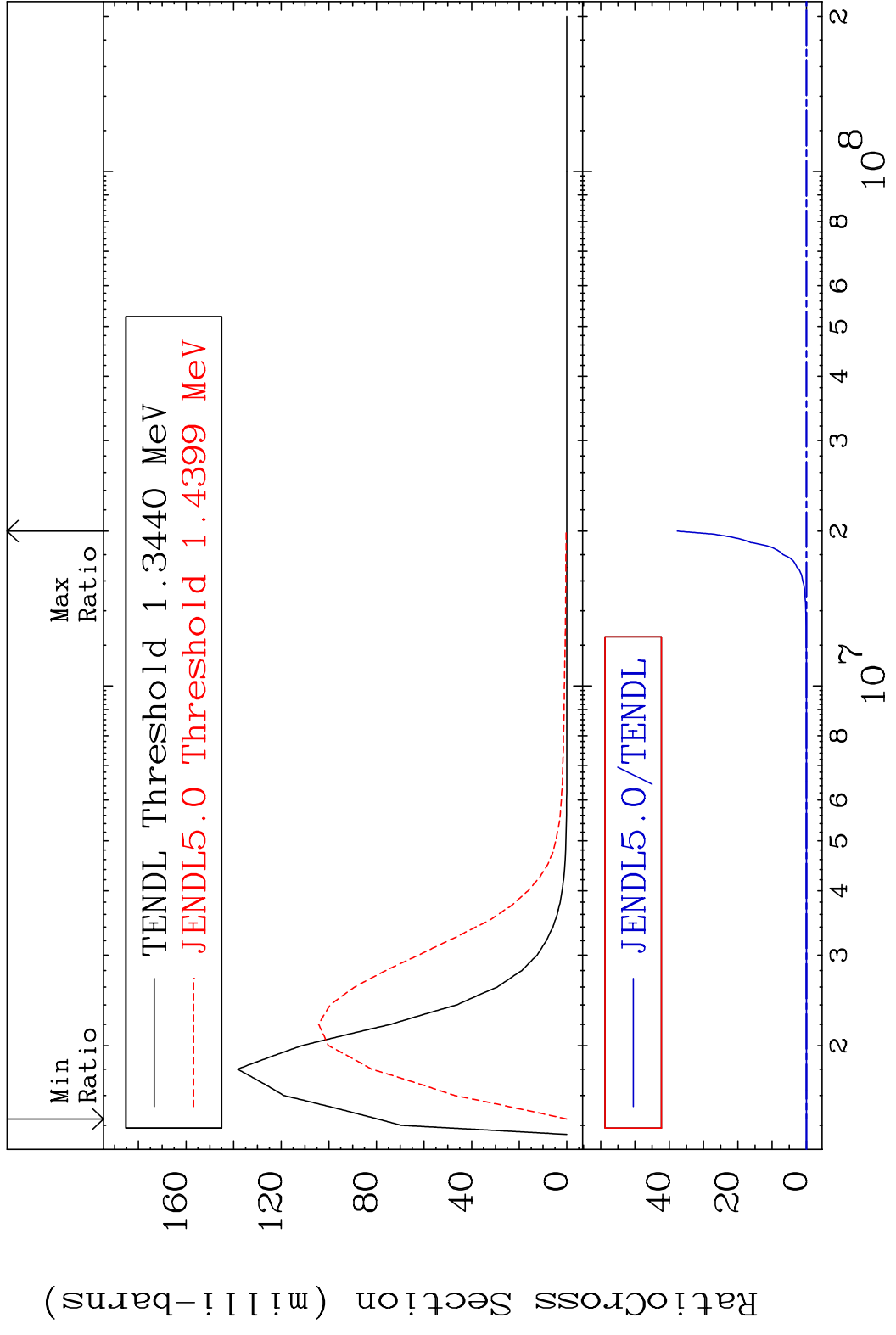


MAT 7049 MT= 62 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 9999. %



20 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 63 (n, n') Level 70-Yb-176
 Cross Section -100.0 To 9999. %

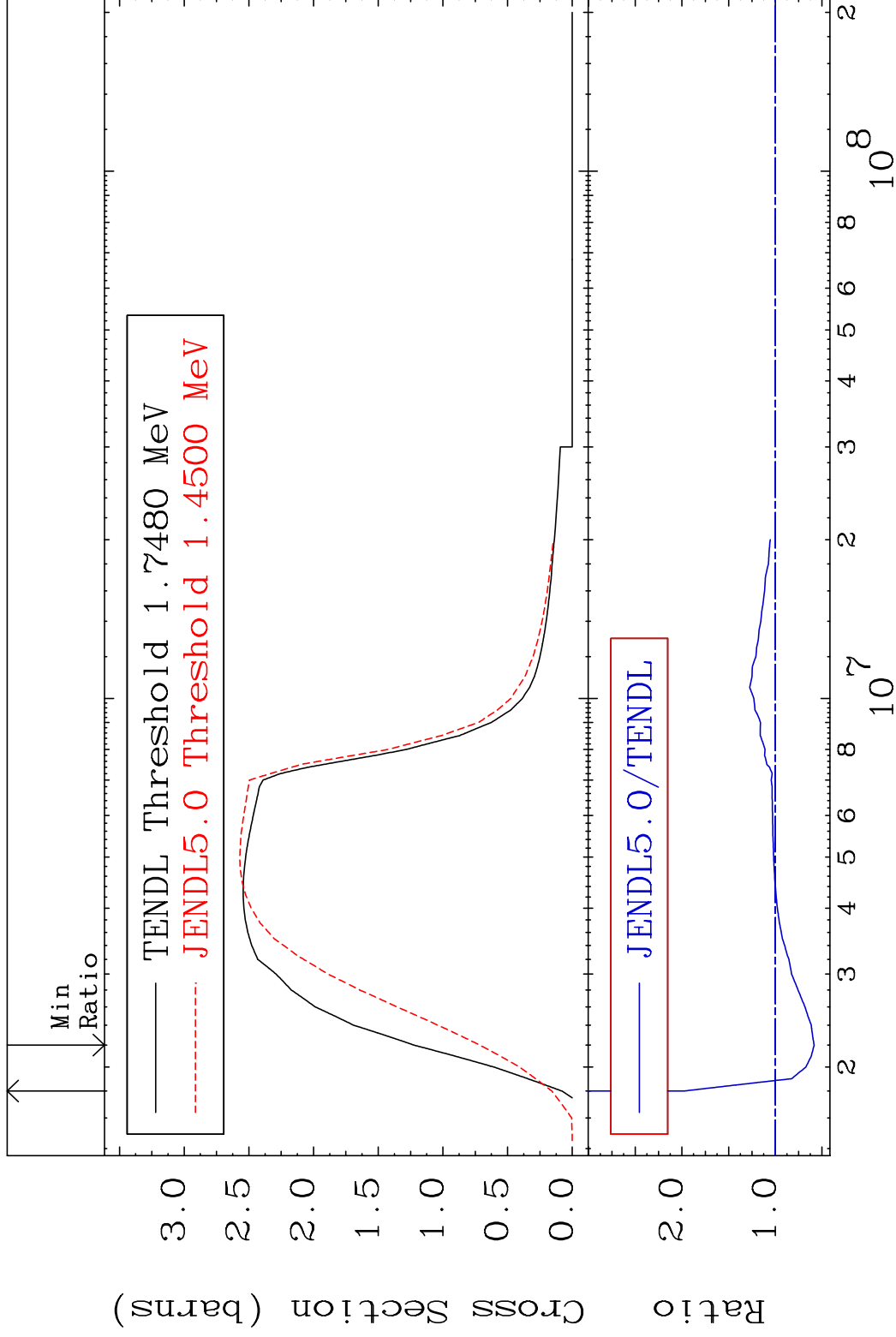


MAT 7049

(n, n') Continuum

70-Yb-176

Cross Section -41.57 To 98.18 %



22

Incident Energy (eV)

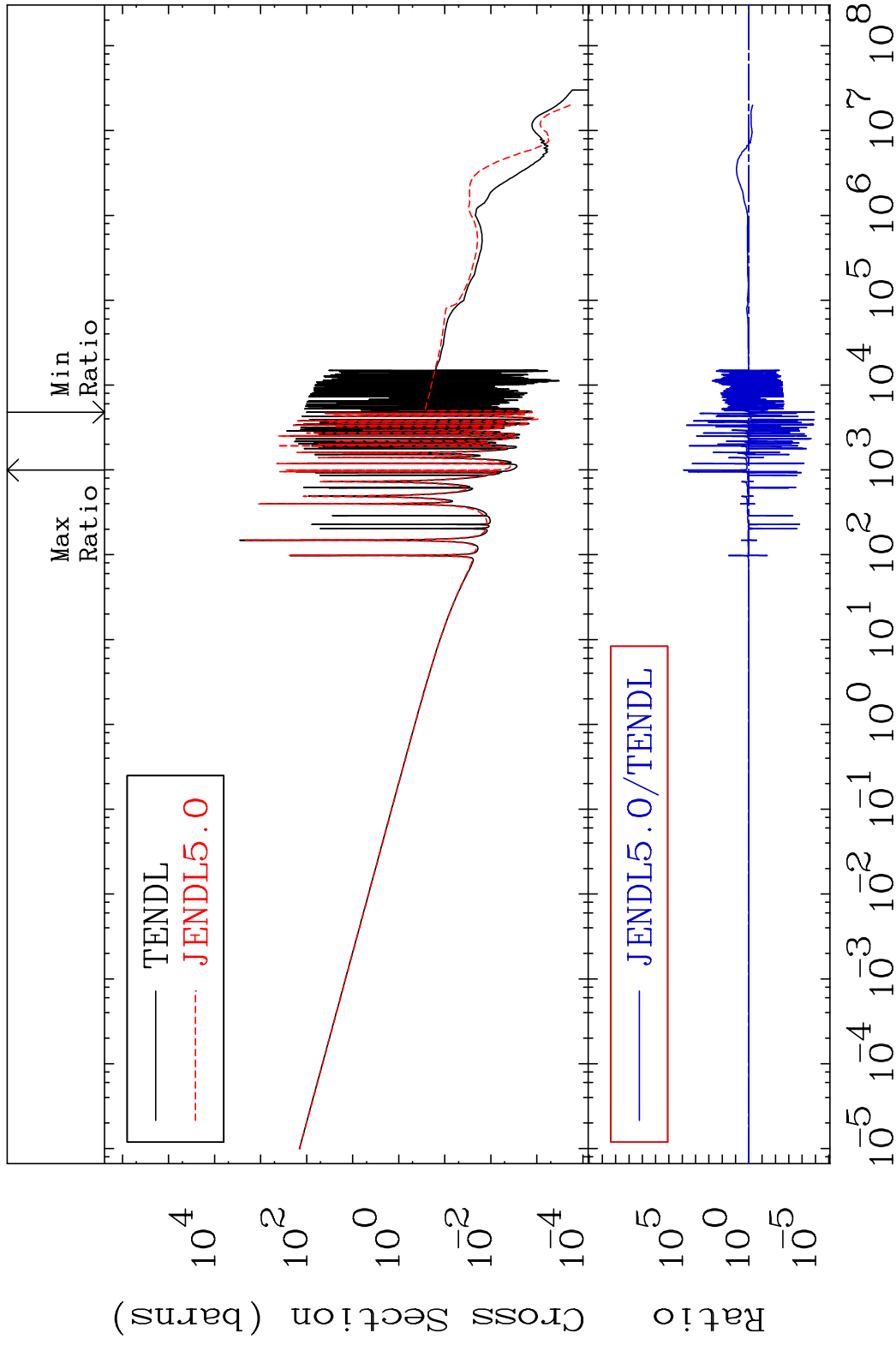
70-Yb-176

MAT 7049

(n, γ)

70-Yb-176

Cross Section -100.0 To 9999. %



23

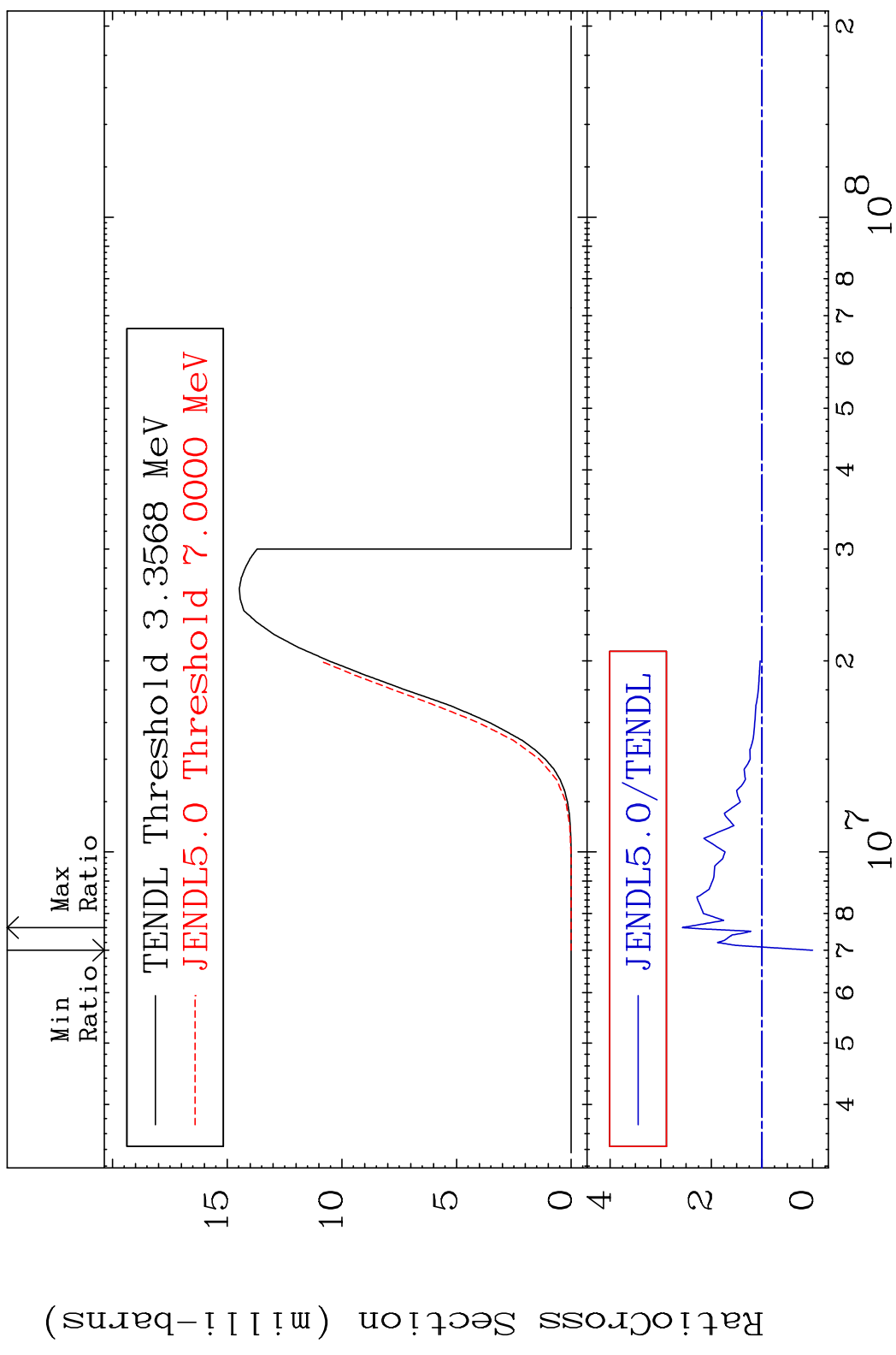
Incident Energy (eV) 70-Yb-176

MAT 7049

(n,p)

70-Yb-176

Cross Section -100.0 To 157.2 %

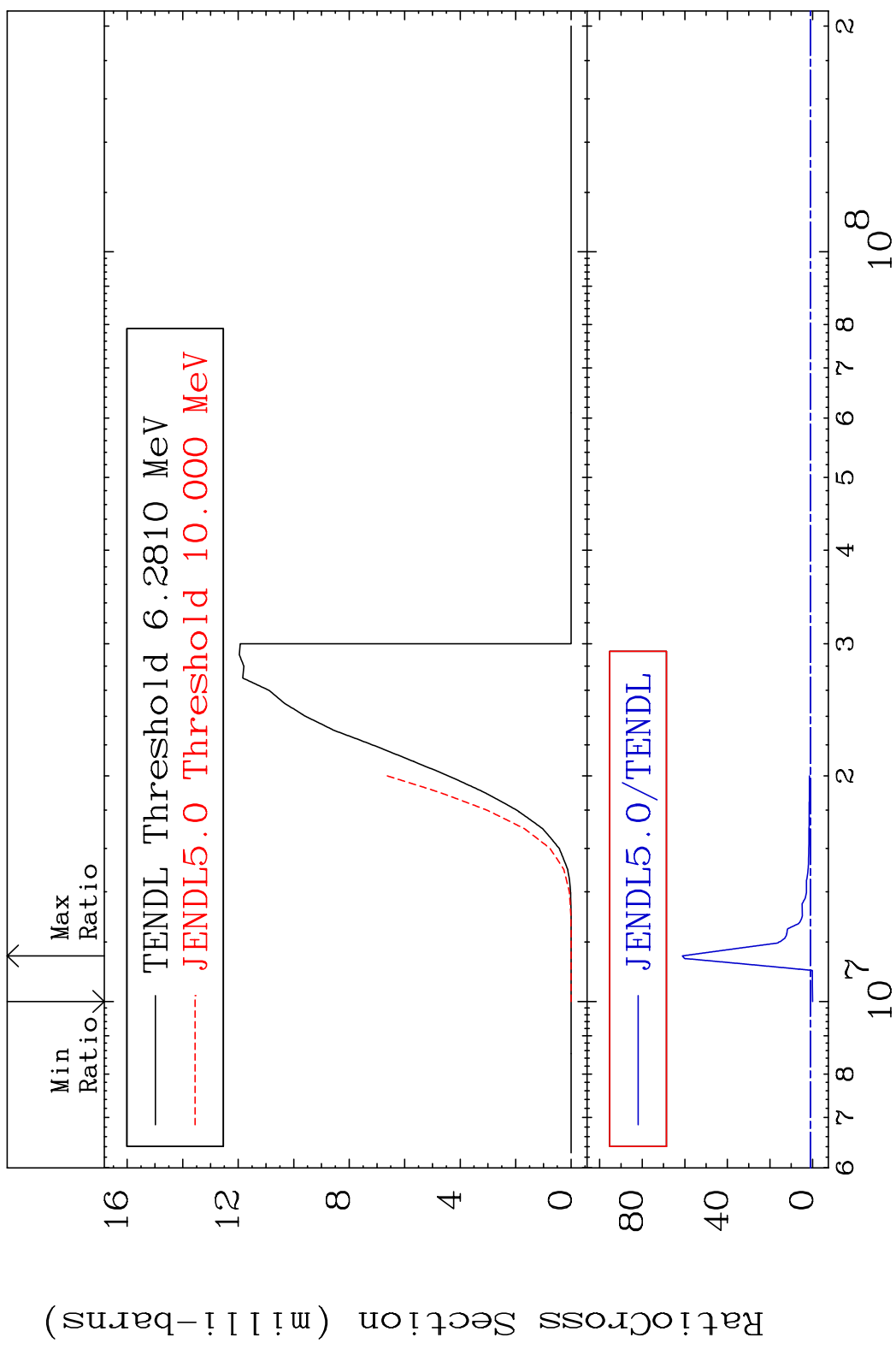


MAT 7049

(n, d)

70-Yb-176

Cross Section -100.0 To 6017. %



25

Incident Energy (eV)

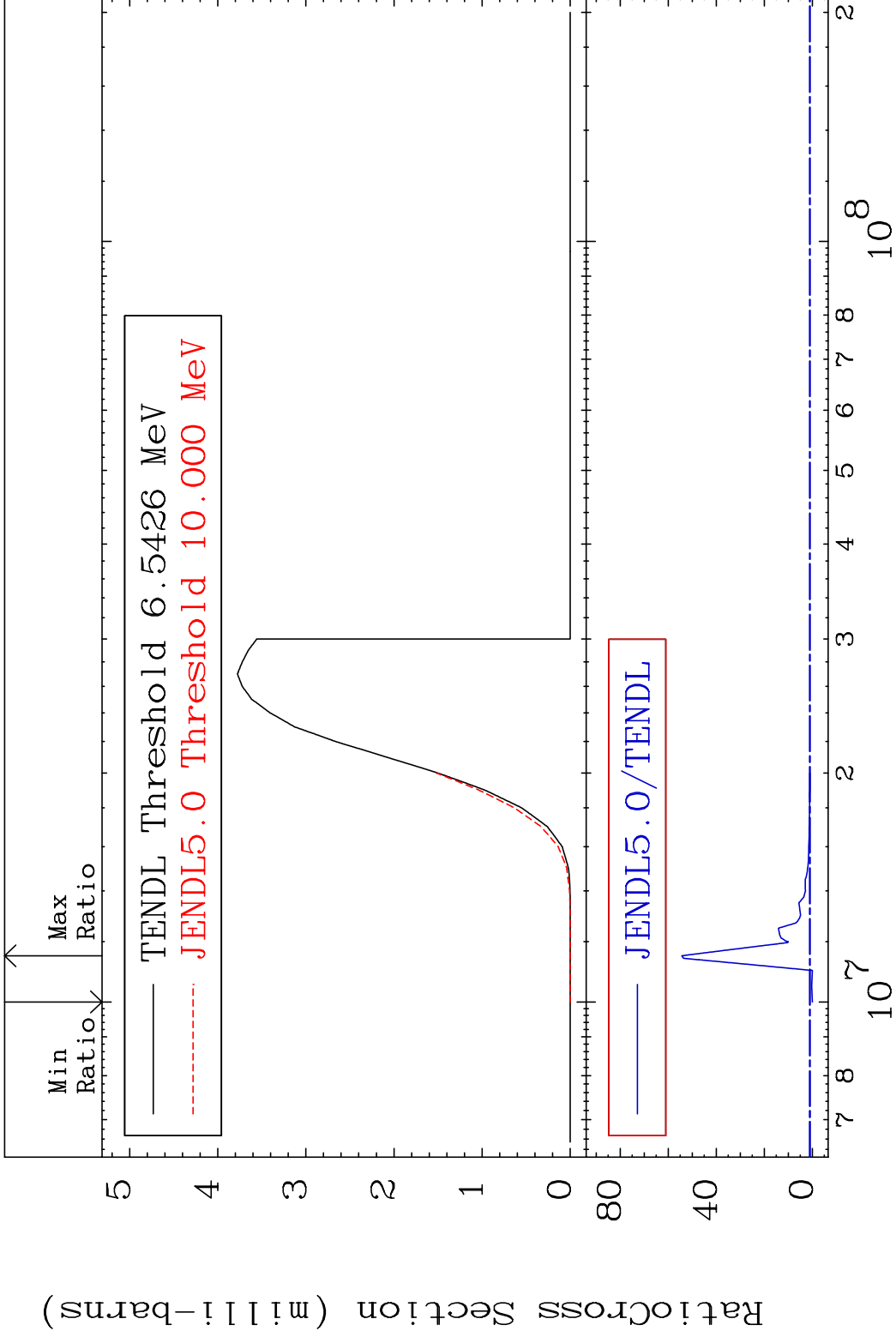
70-Yb-176

MAT 7049

(n, t)

70-Yb-176

Cross Section -100.0 To 5337. %

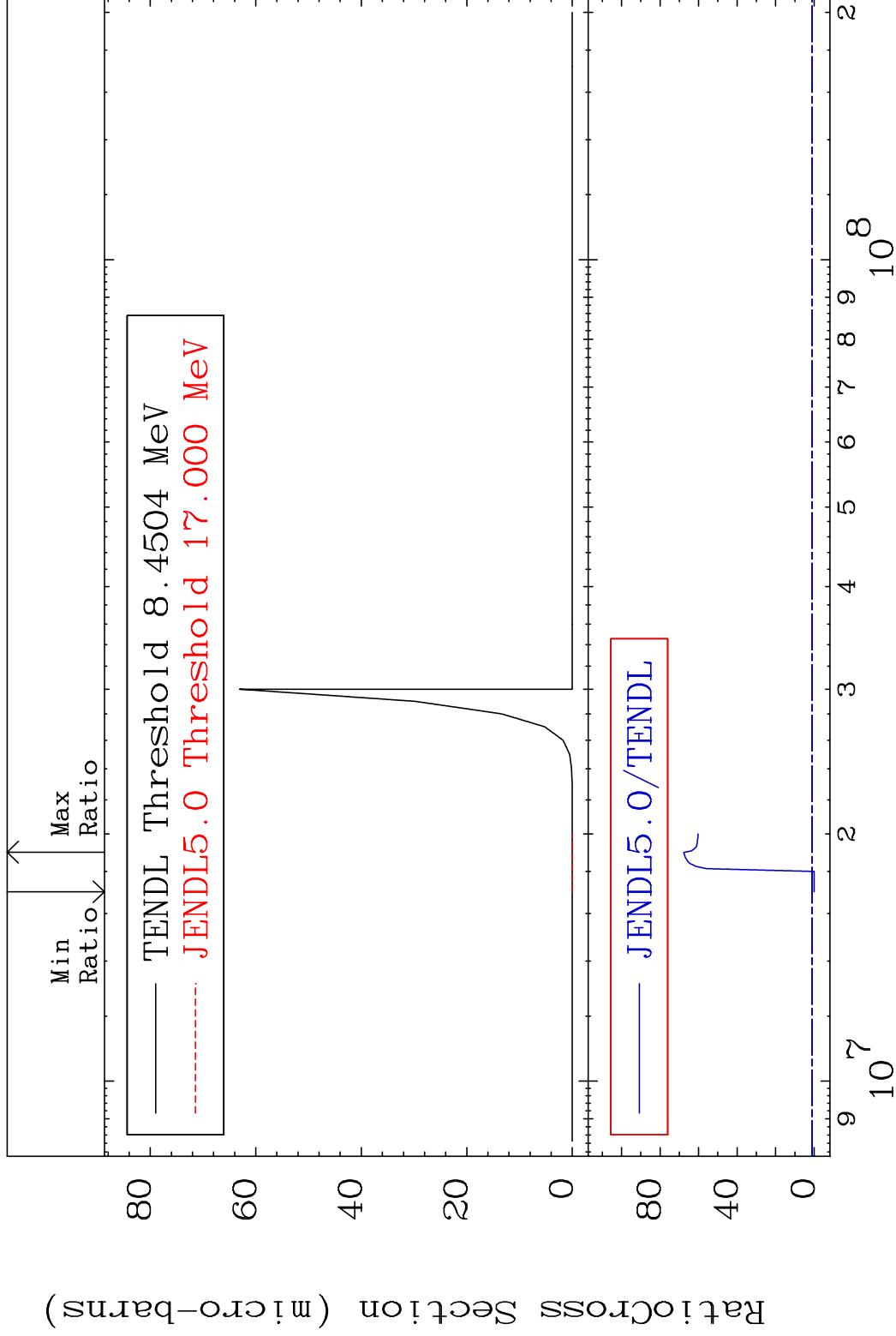


MAT 7049

(n, He-3)

70-Yb-176

Cross Section -100.0 To 6675. %



27

Incident Energy (eV)

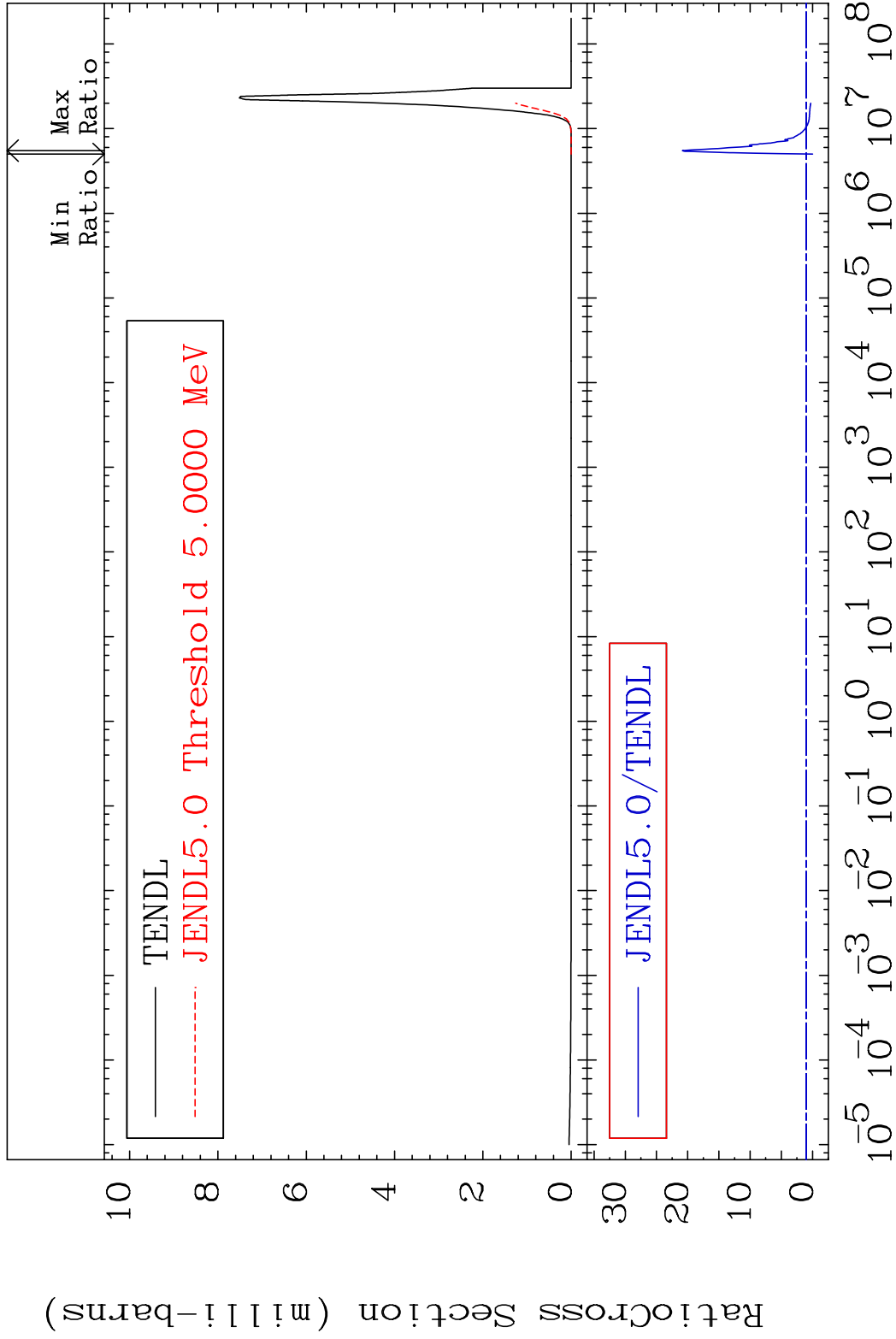
70-Yb-176

MAT 7049

(n, α)

70-Yb-176

Cross Section -100.0 To 1986. %



28

Incident Energy (eV)

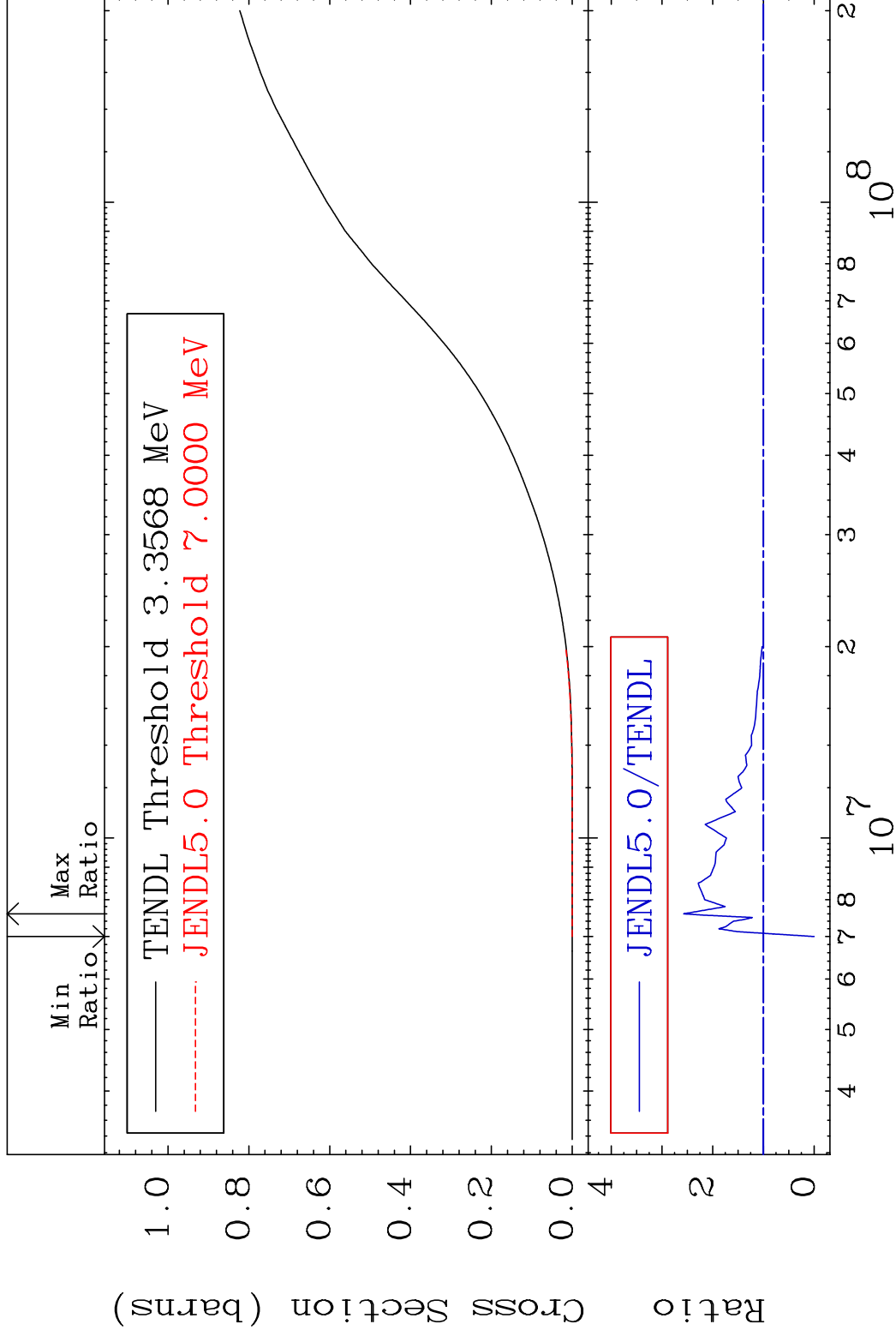
70-Yb-176

MAT 7049

Hydrogen Production

70-Yb-176

Cross Section -100.0 To 157.2 %

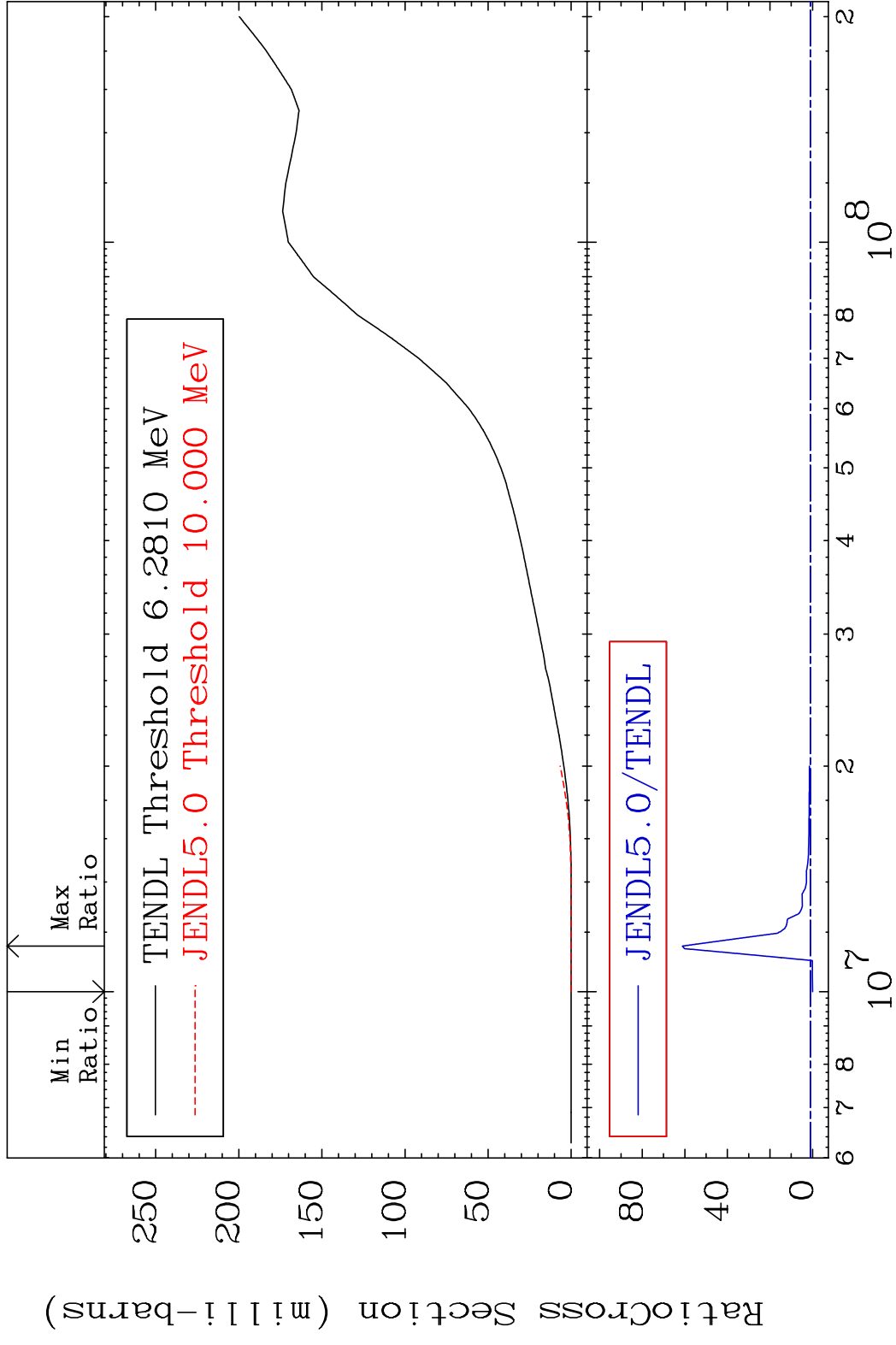


29

Incident Energy (eV)

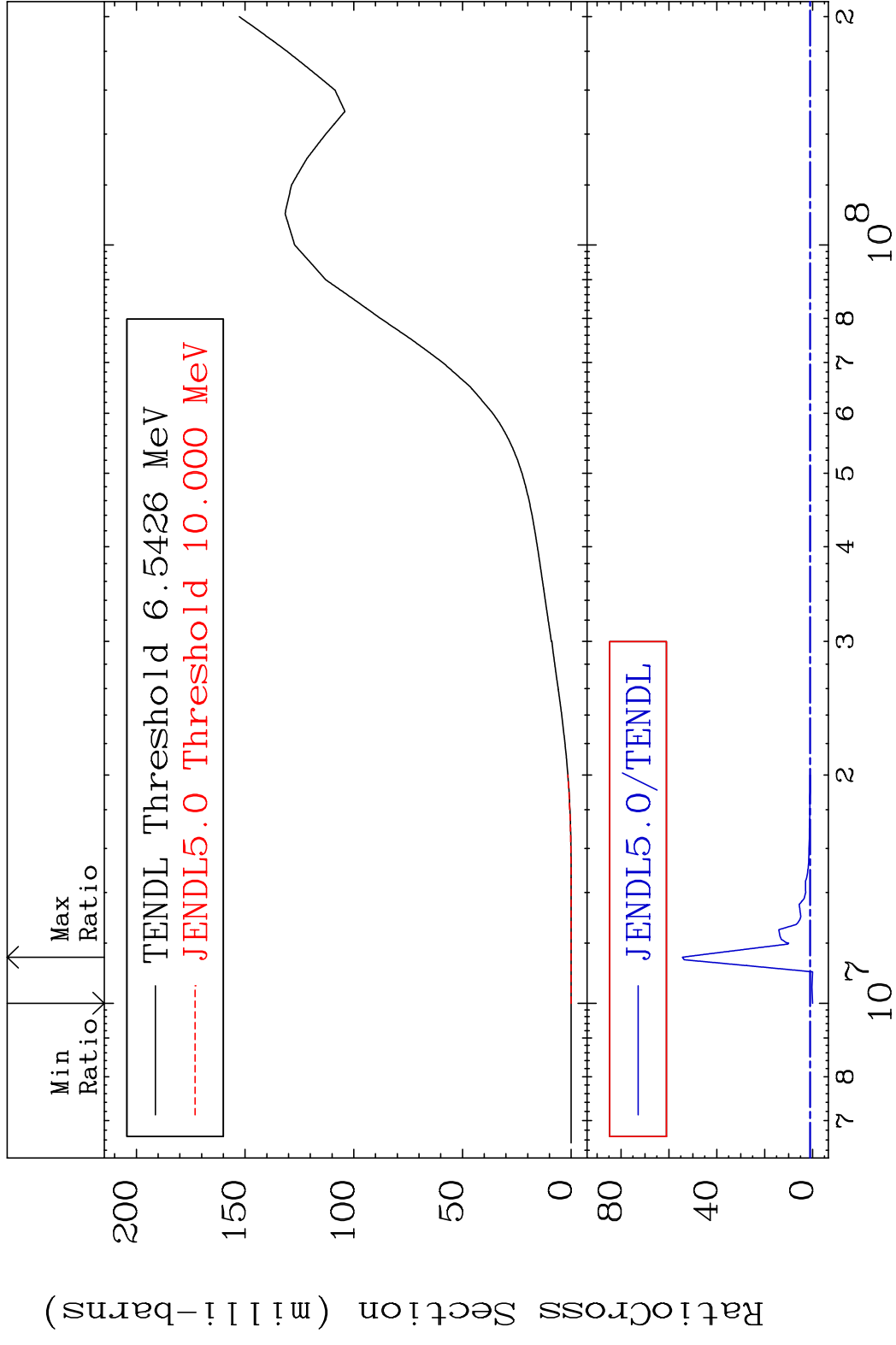
70-Yb-176

MAT 7049 Deuterium Production 70-Yb-176
 Cross Section -100.0 To 6017. %



30 Incident Energy (eV) 70-Yb-176

MAT 7049 Tritium Production 70-Yb-176
 Cross Section -100.0 To 5337. %

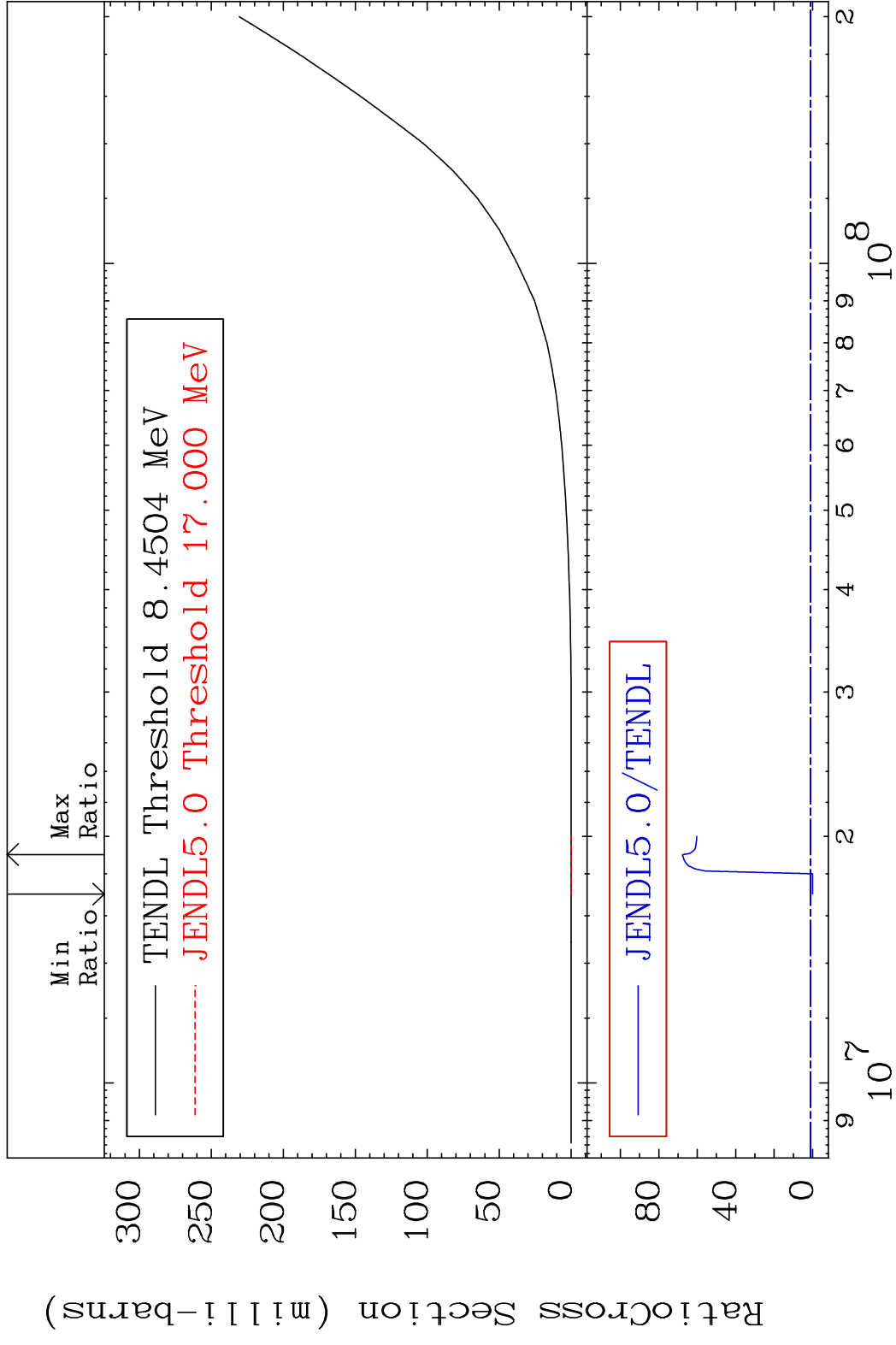


MAT 7049

He-3 Production

70-Yb-176

Cross Section -100.0 To 6675. %



32

Incident Energy (eV)

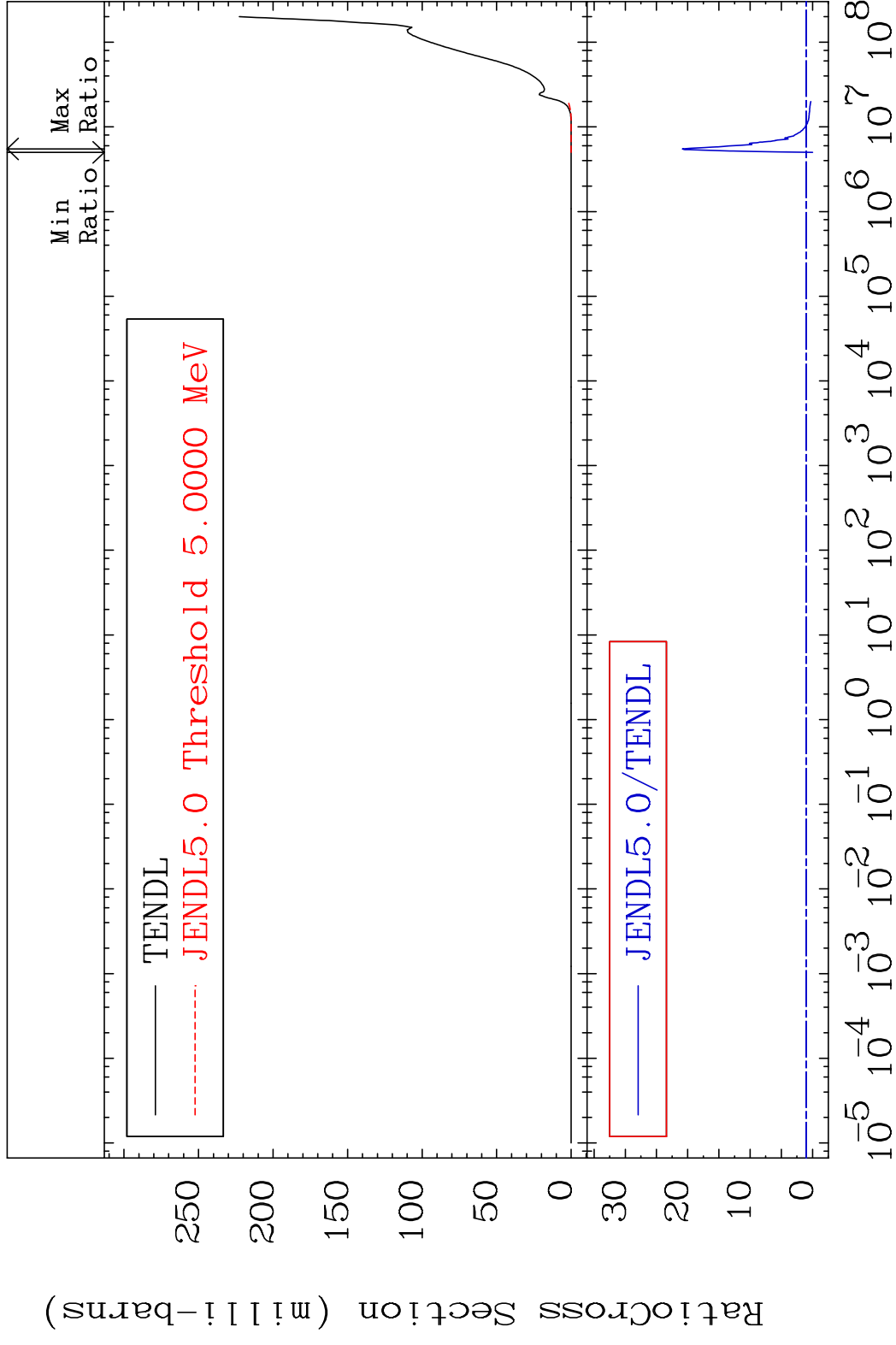
70-Yb-176

MAT 7049

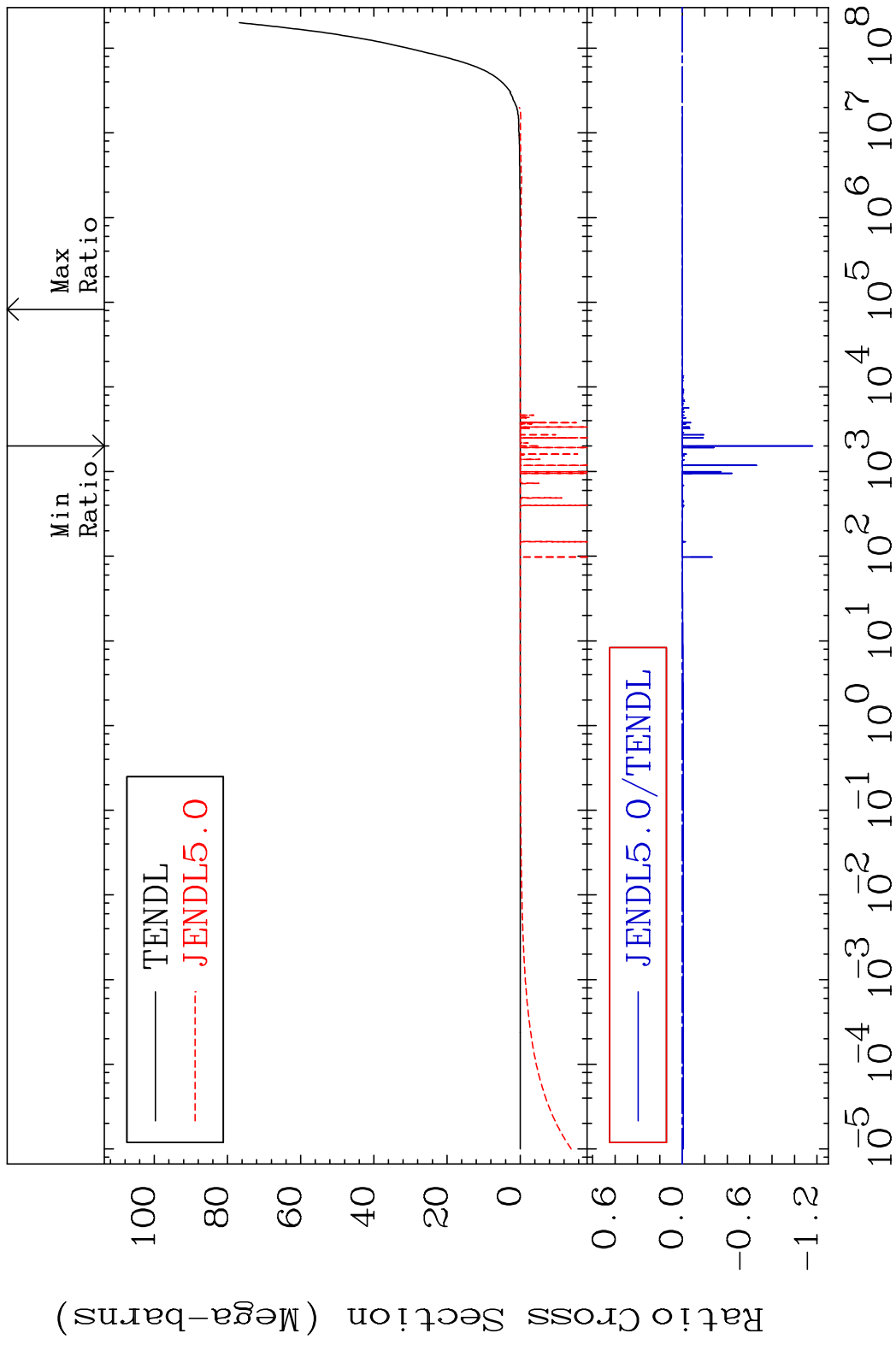
He-4 Production

70-Yb-176

Cross Section -100.0 To 1986. %

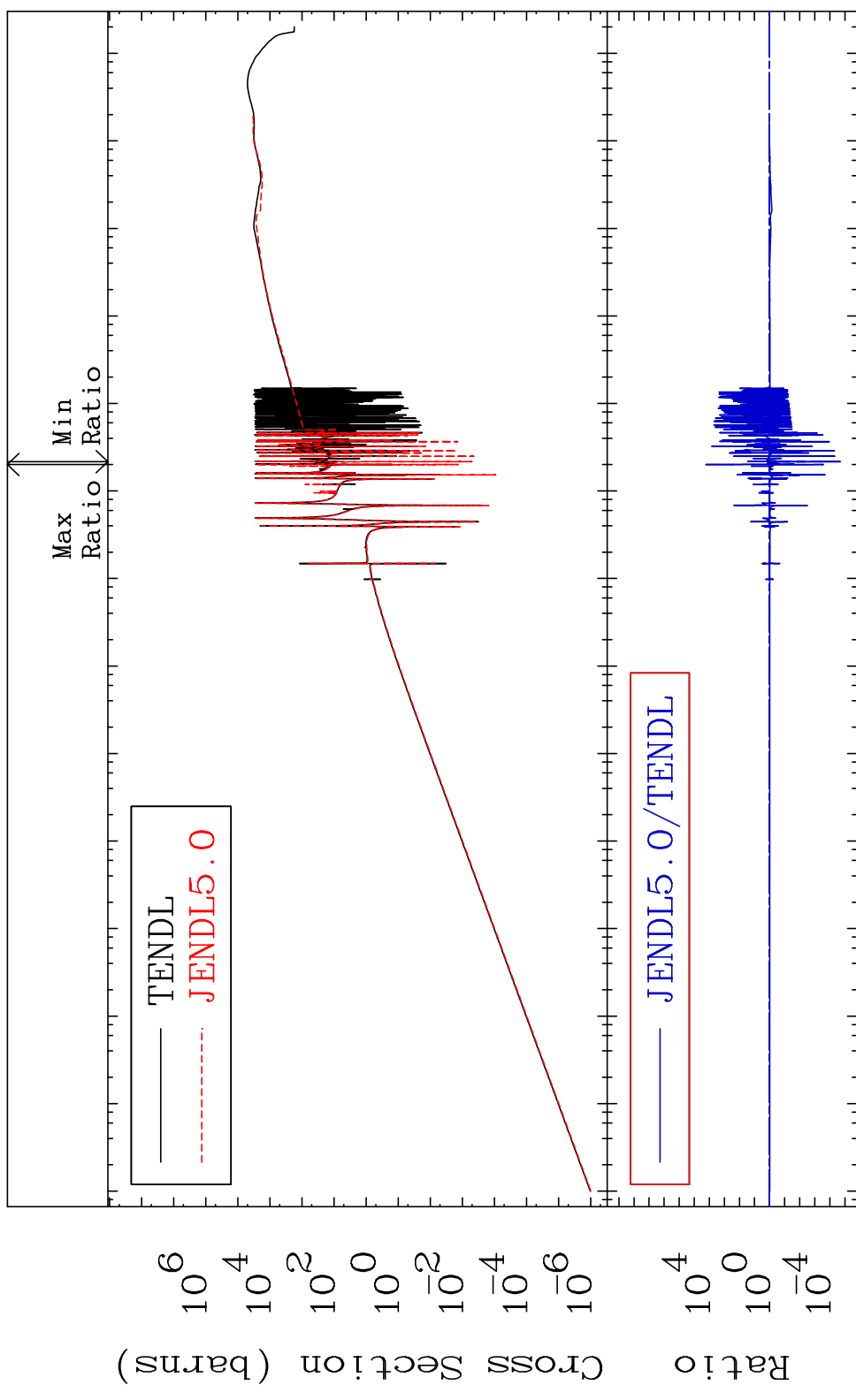


MAT 7049 Kerma total (eV-barns) 70-Yb-176
 Cross Section -9999. To 1108. %

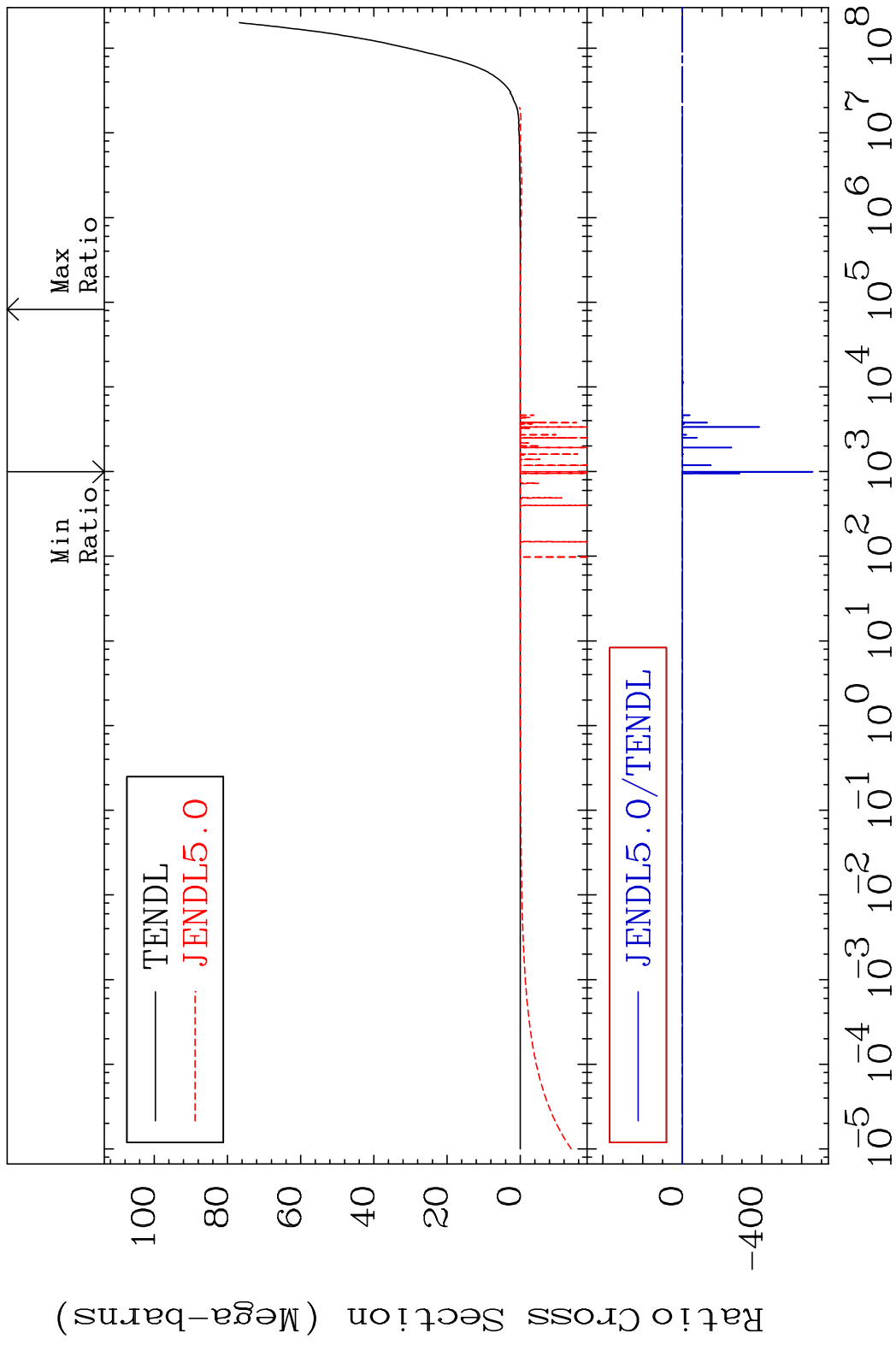


MAT 7049

Kerma elastic Cross Section -100.0 To 9999. %
70-Yb-176

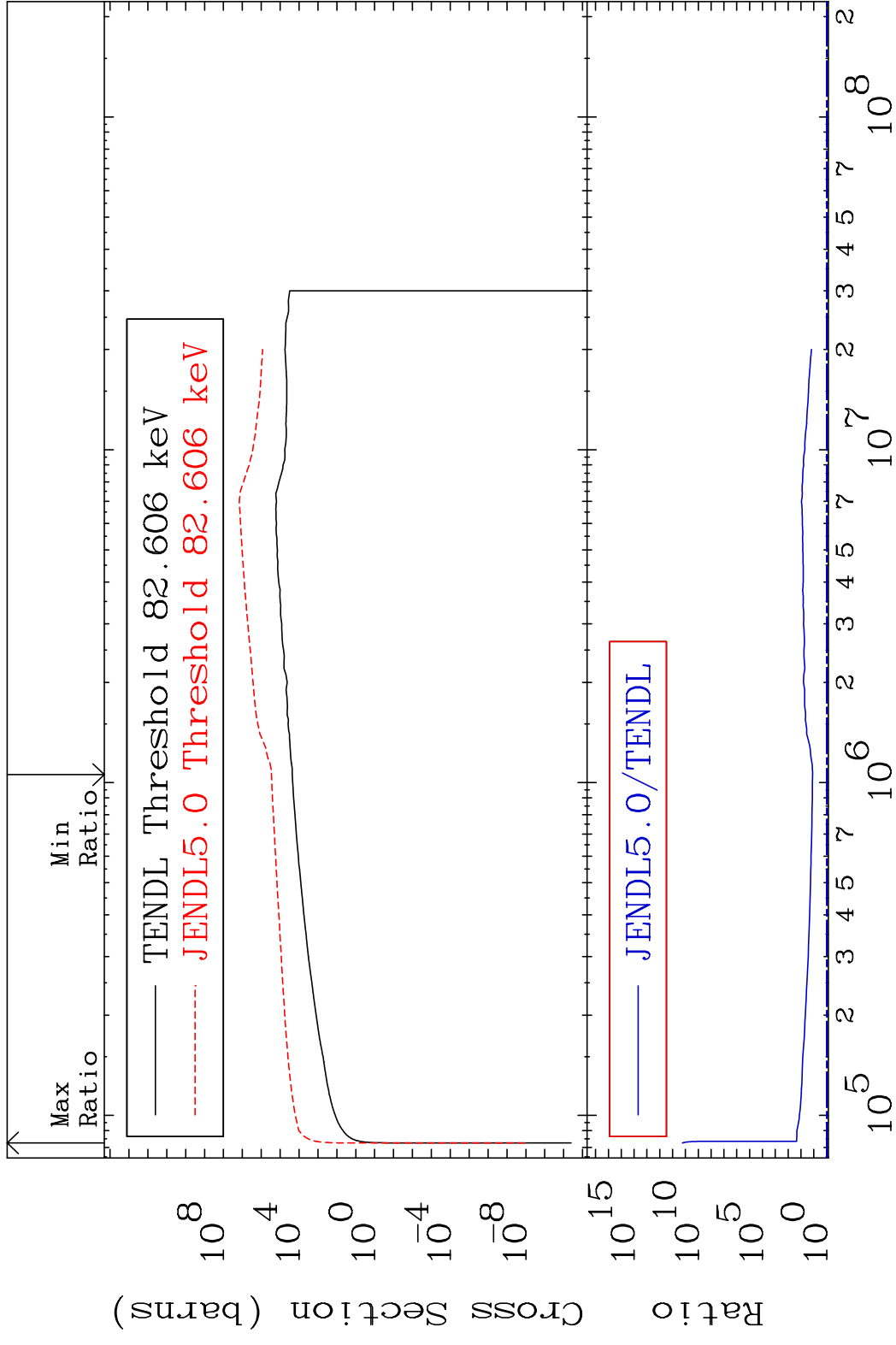


MAT 7049 Kerma non-elastic (all but mt2) 70-Yb-176
 Cross Section -9999. To 9999. %

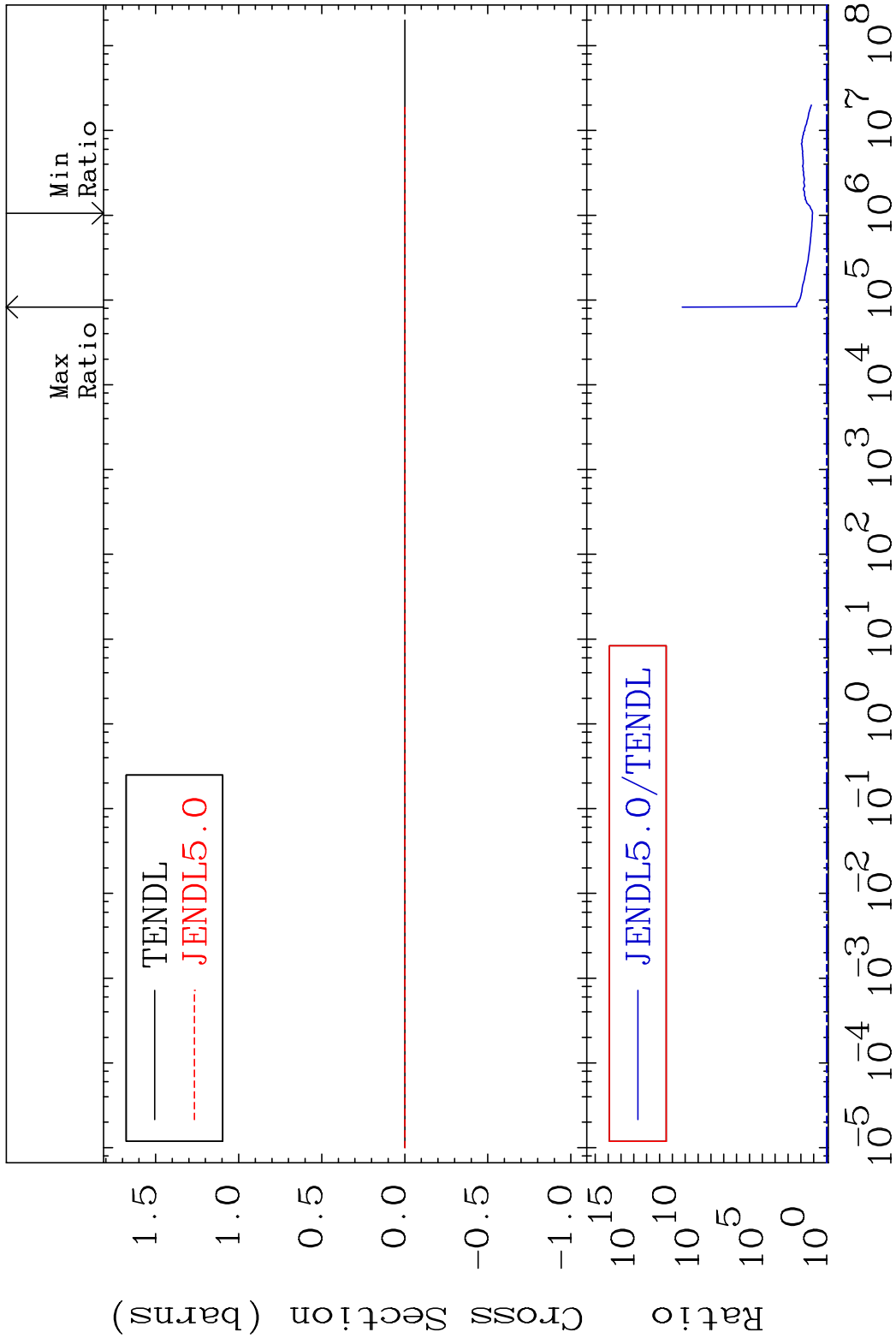


36 Incident Energy (eV) 70-Yb-176

MAT 7049 Kerma inelastic (mt51-91) 70-Yb-176
 Cross Section 1149. To 9999. %



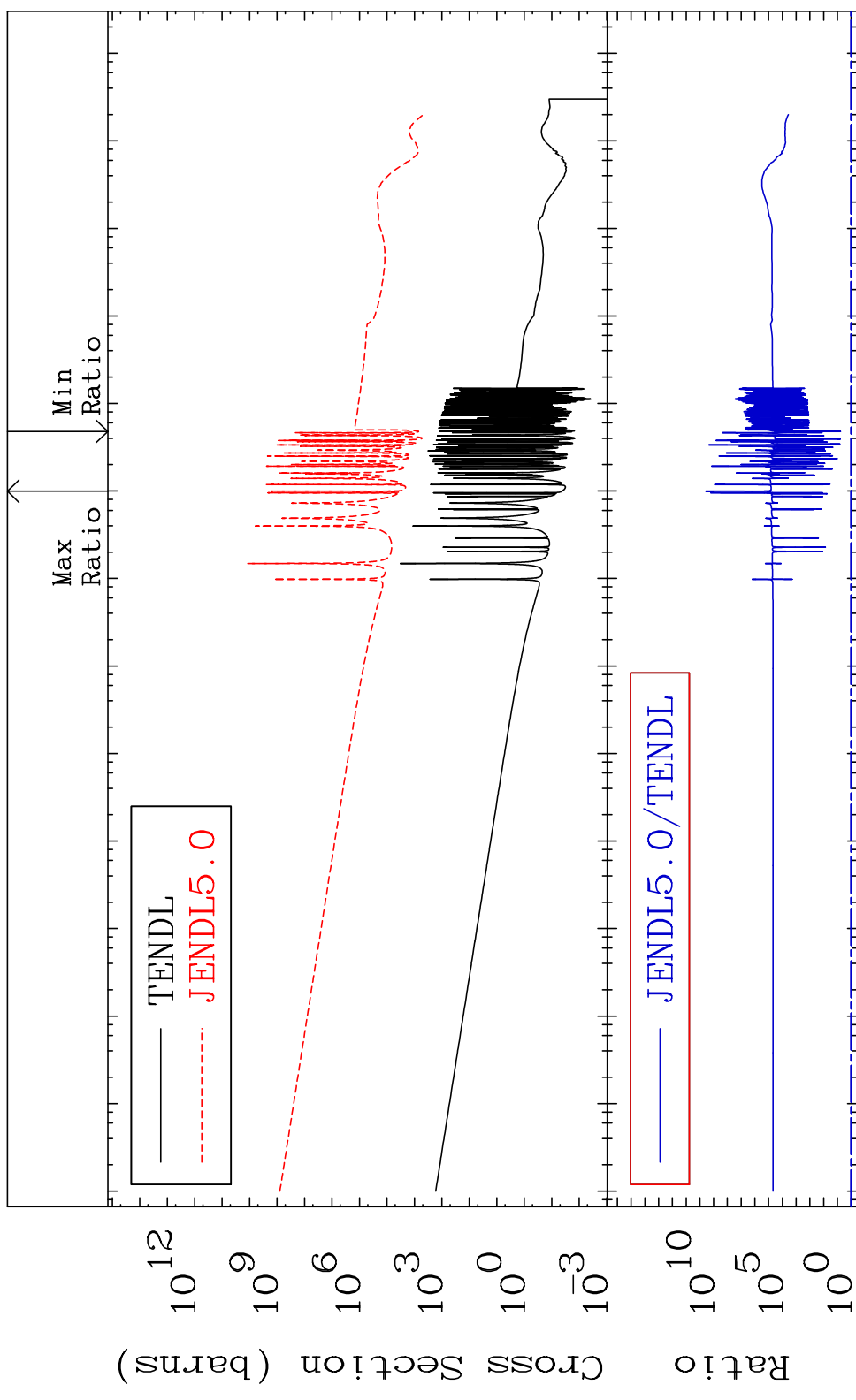
MAT 7049 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-176
 Cross Section 1149. To 9999. %



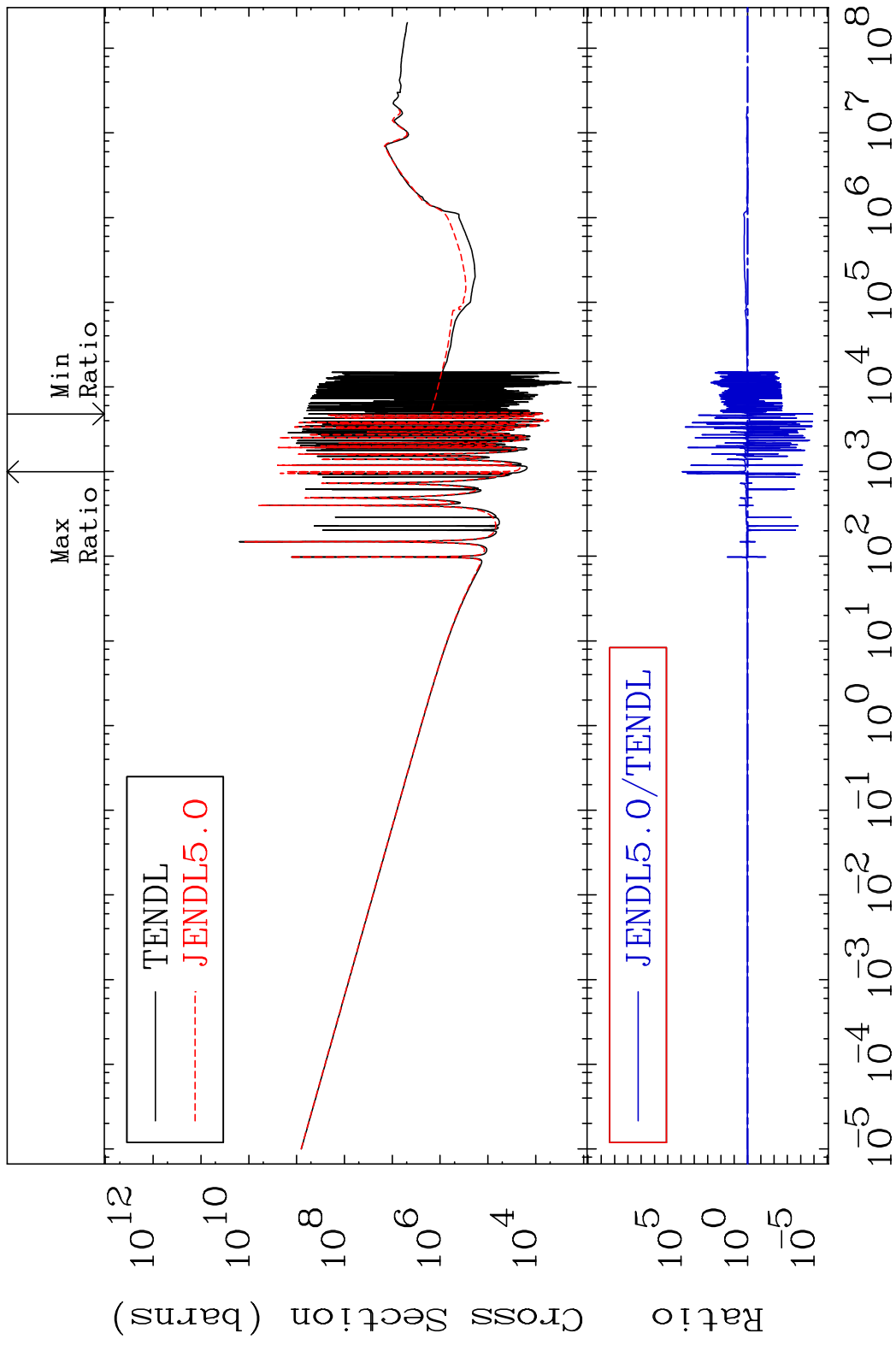
MAT 7049

Kerma capture (mt102) 70-Yb-176

Cross Section 499.4 To 9999. %

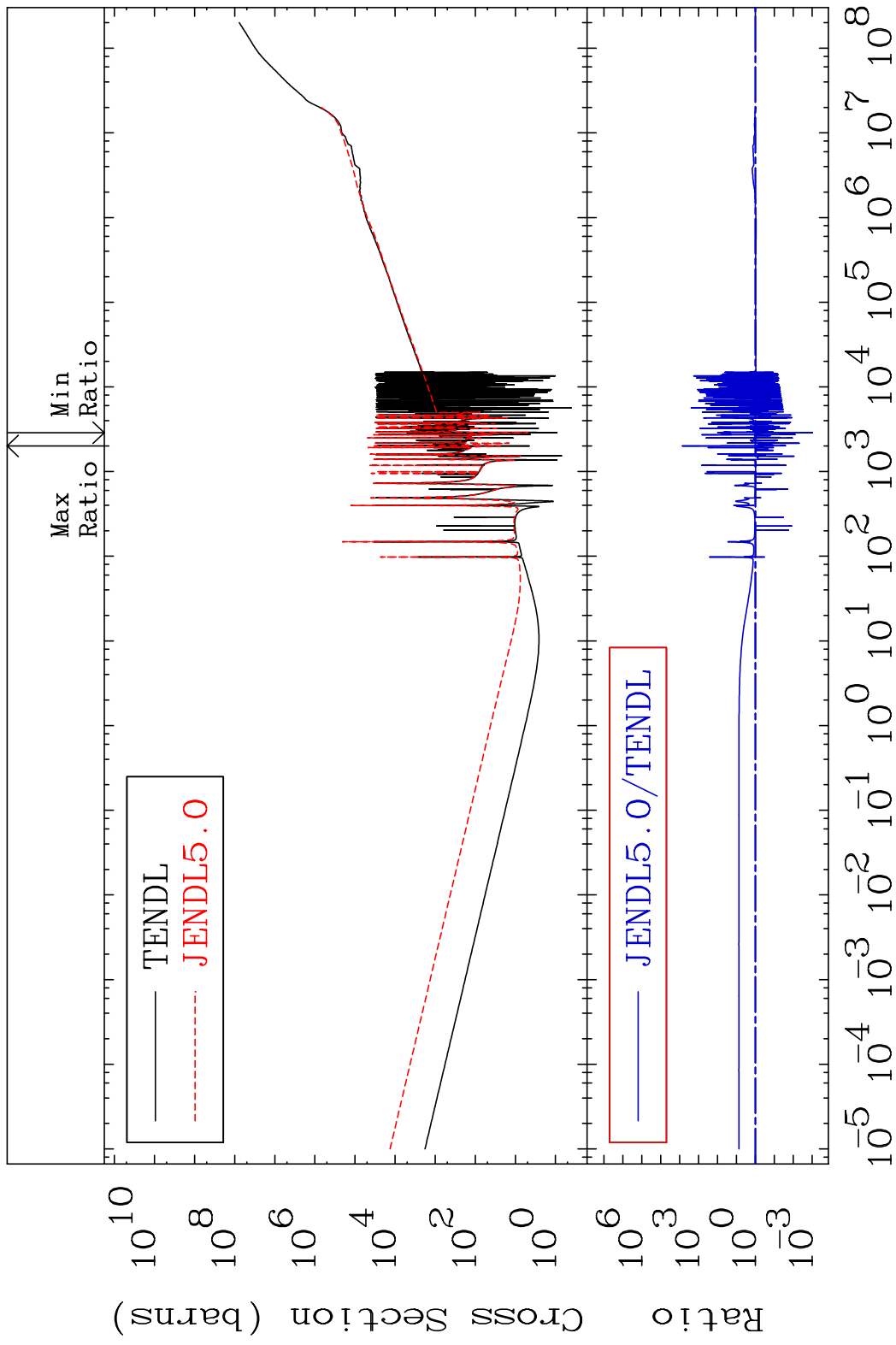


MAT 7049 Total photon (eV-barns) 70-Yb-176
Cross Section -100.0 To 9999. %

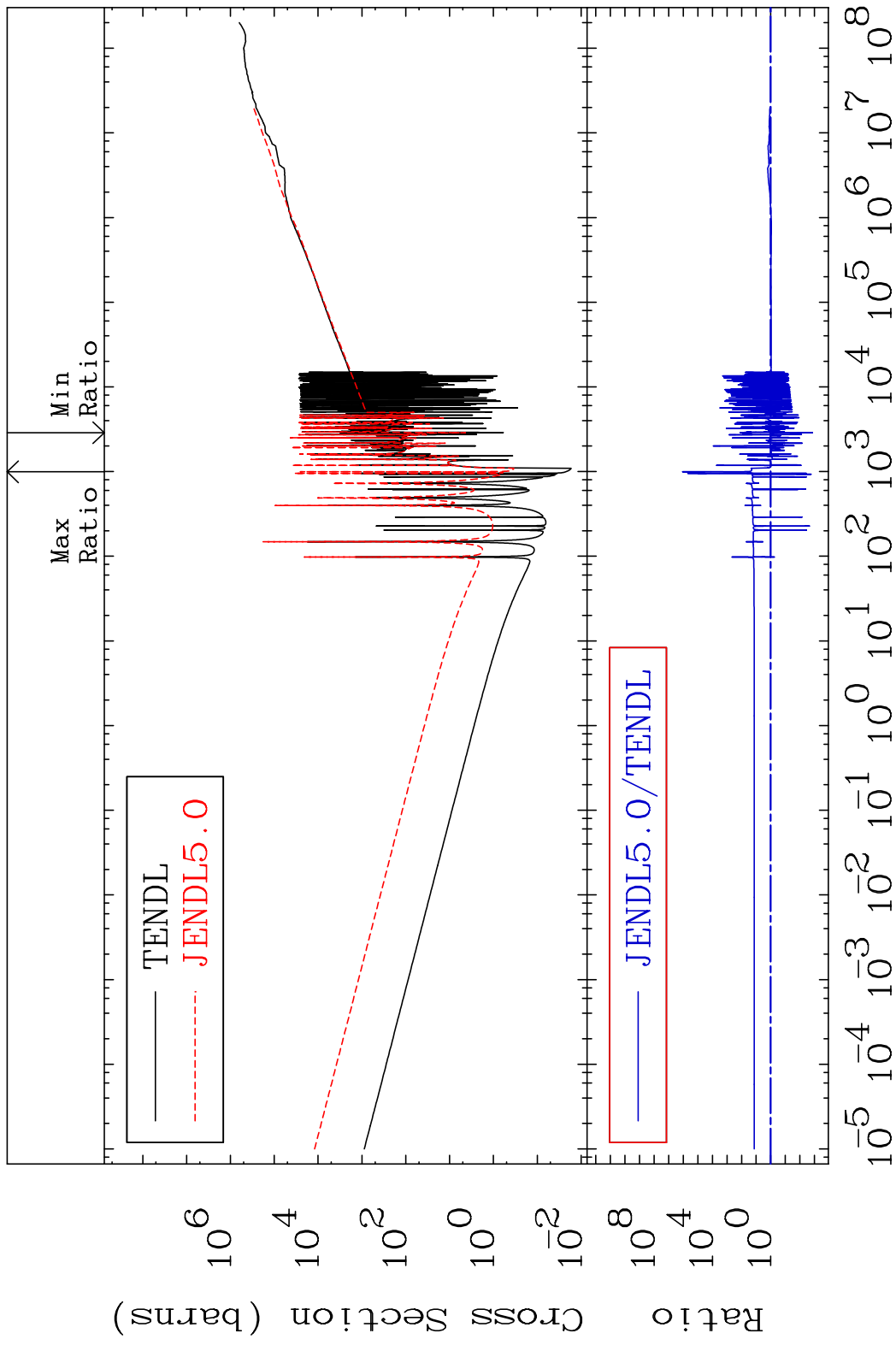


40 Incident Energy (eV) 70-Yb-176

MAT 7049 Total kinematic kerma (high limit) 70-Yb-176
 Cross Section -99.91 To 9999. %



MAT 7049 Dpa total (eV-barns) 70-Yb-176
 Cross Section -99.86 To 9999. %

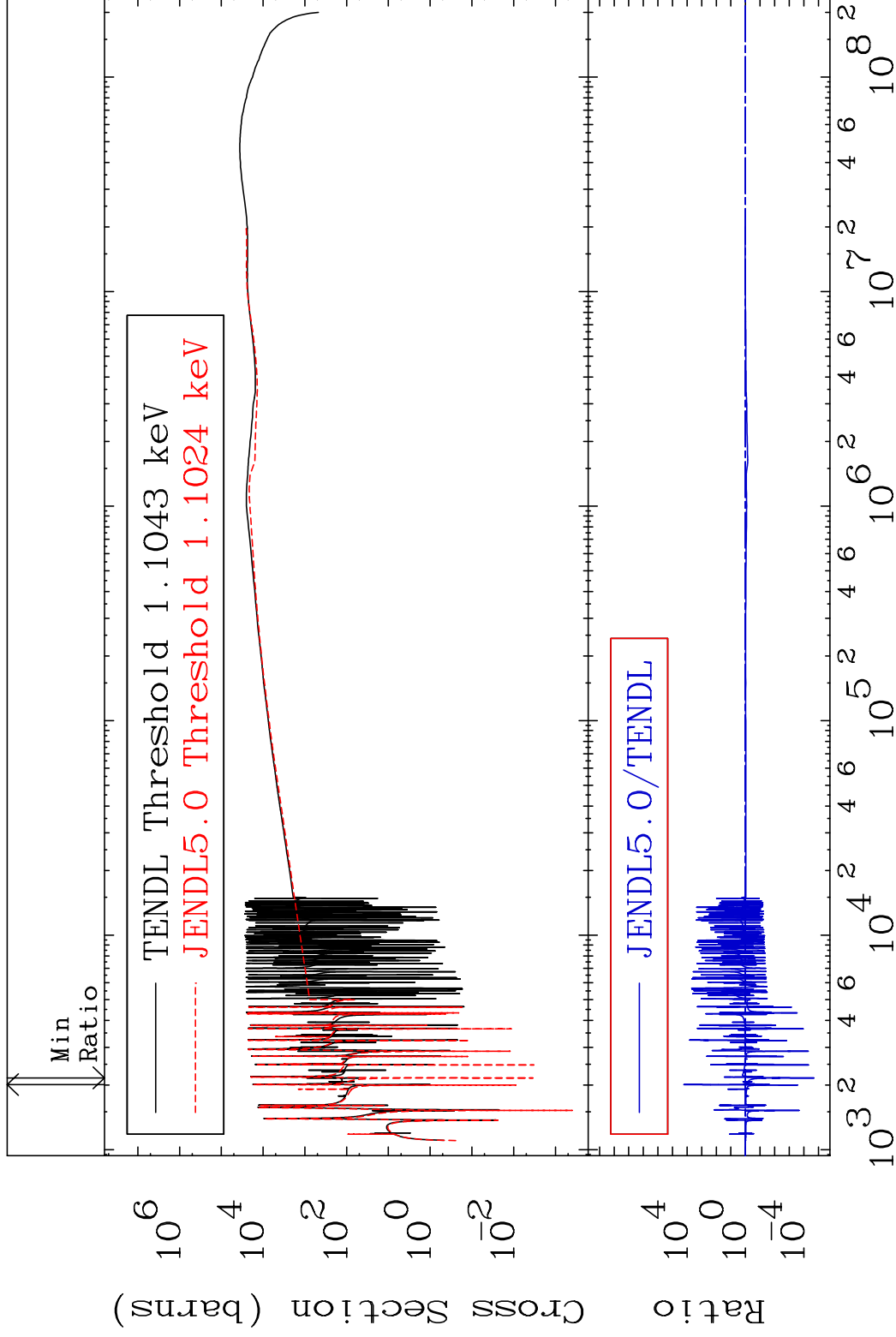


MAT 7049

Dpa elastic (mt2)

70-Yb-176

Cross Section -100.0 To 9999. %

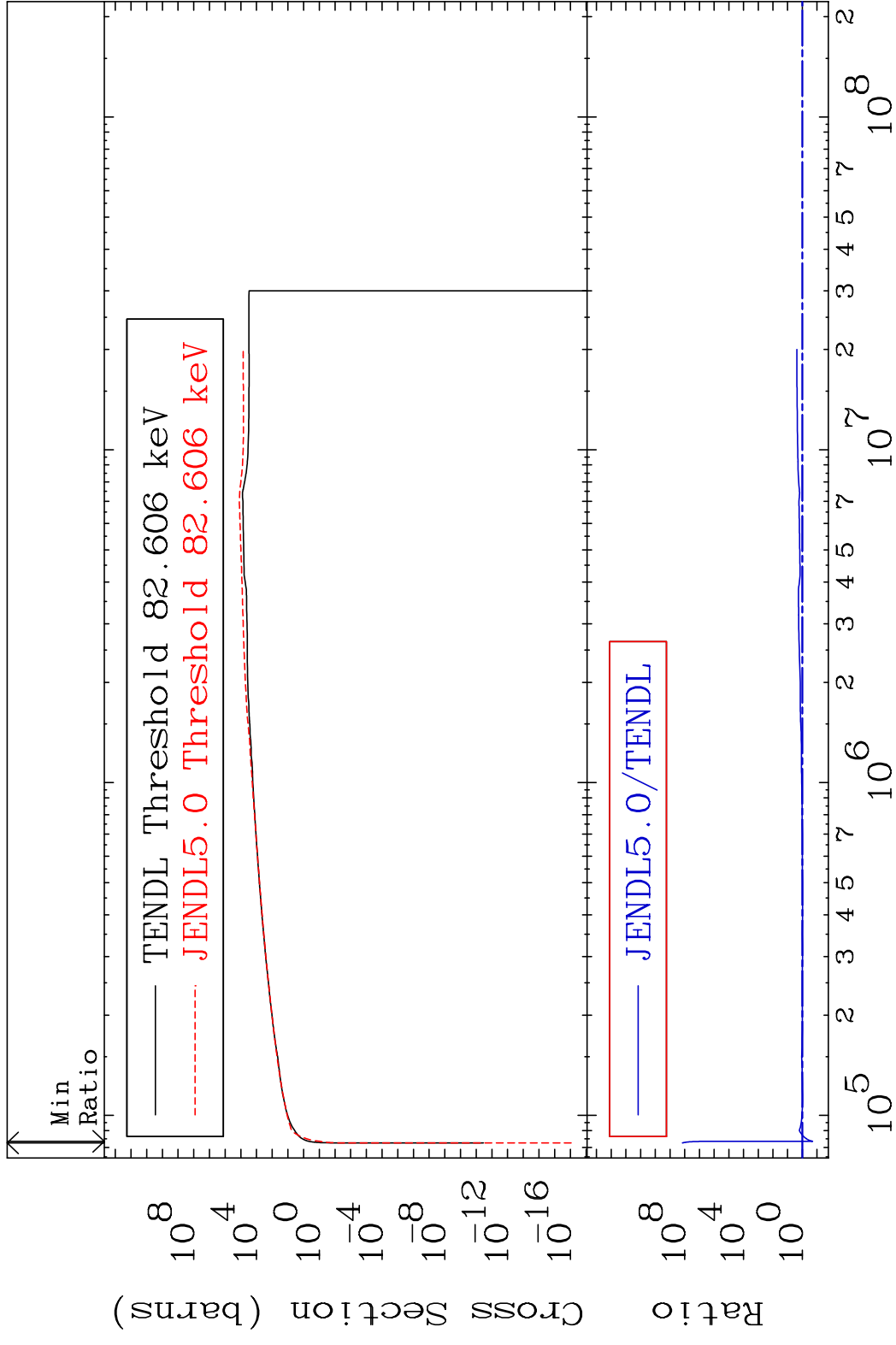


43

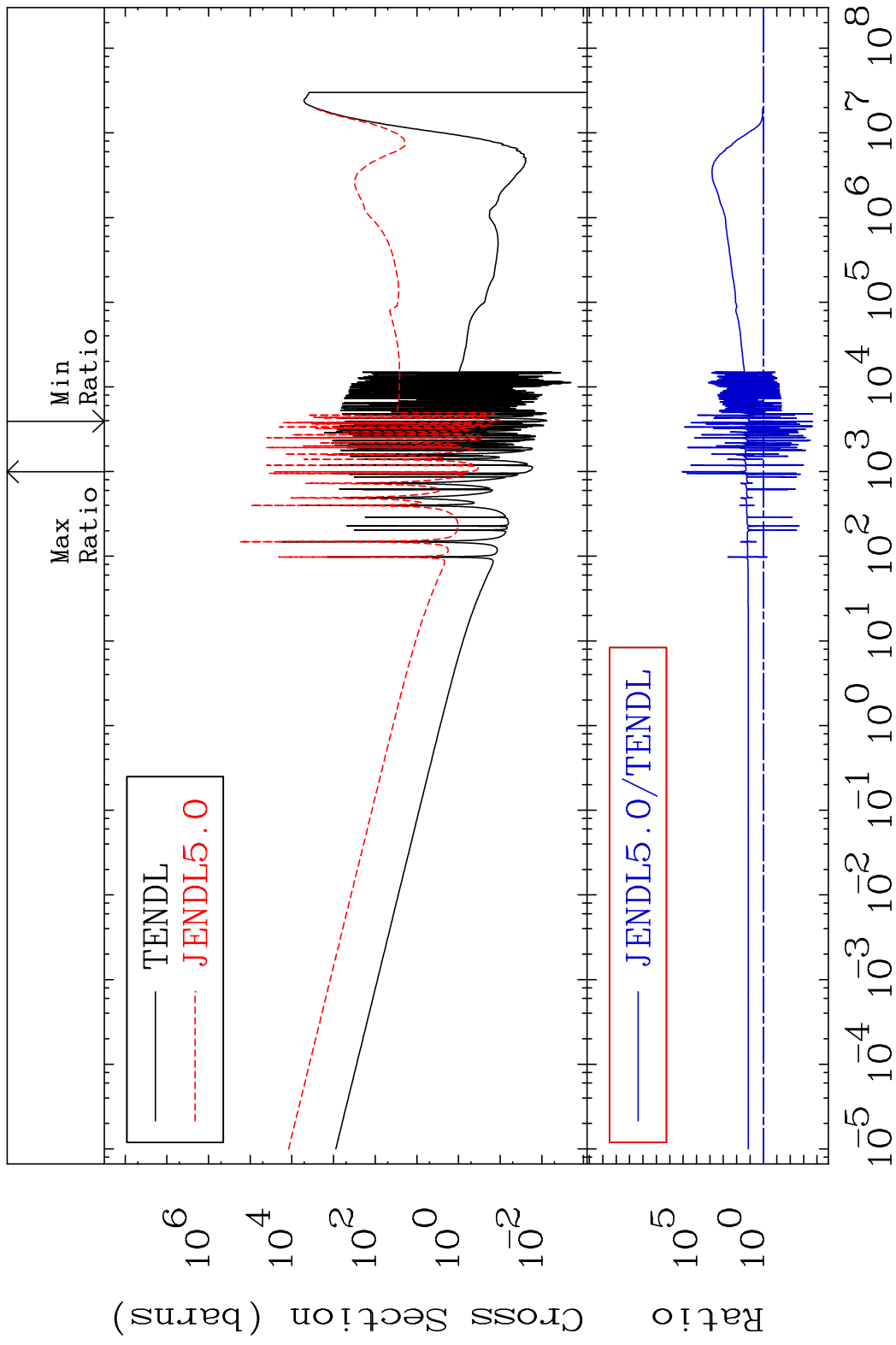
Incident Energy (eV)

70-Yb-176

MAT 7049 Dpa inelastic (mt51-91) 70-Yb-176
 Cross Section -79.88 To 9999. %

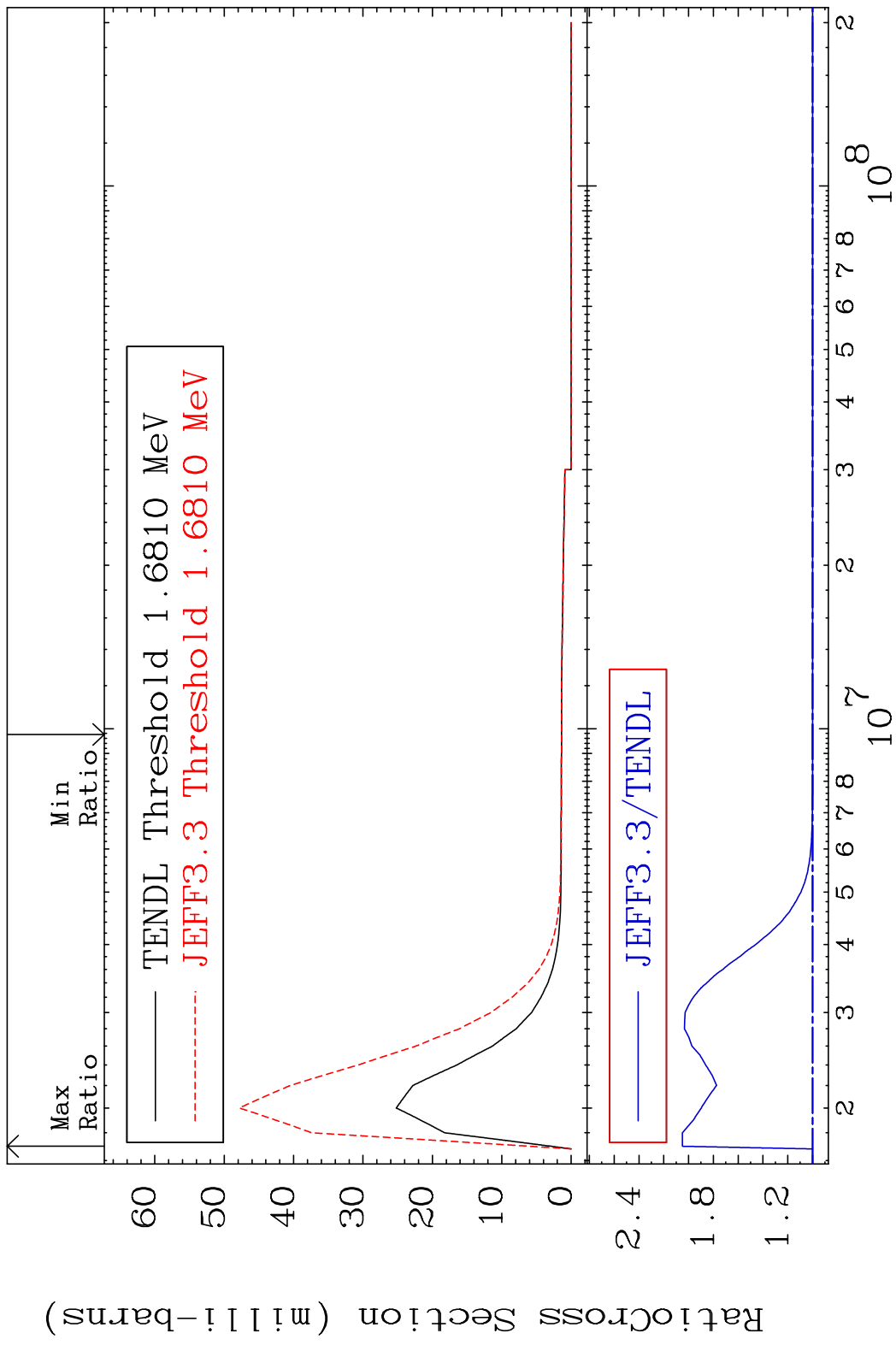


MAT 7049 Dpa disappearance (mt102 -120) 70-Yb-176
 Cross Section -99.98 To 9999. %

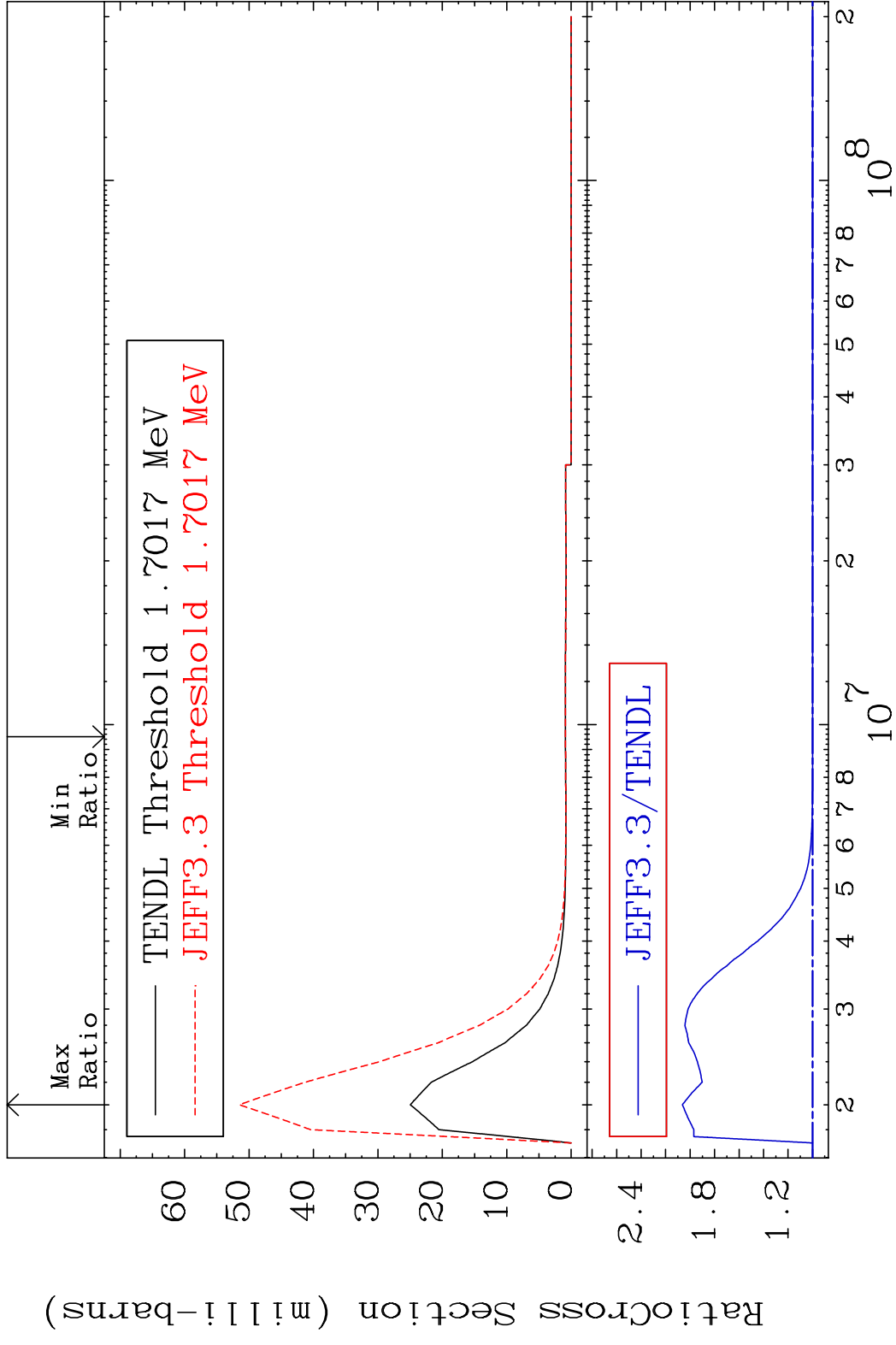


45 Incident Energy (eV) 70-Yb-176

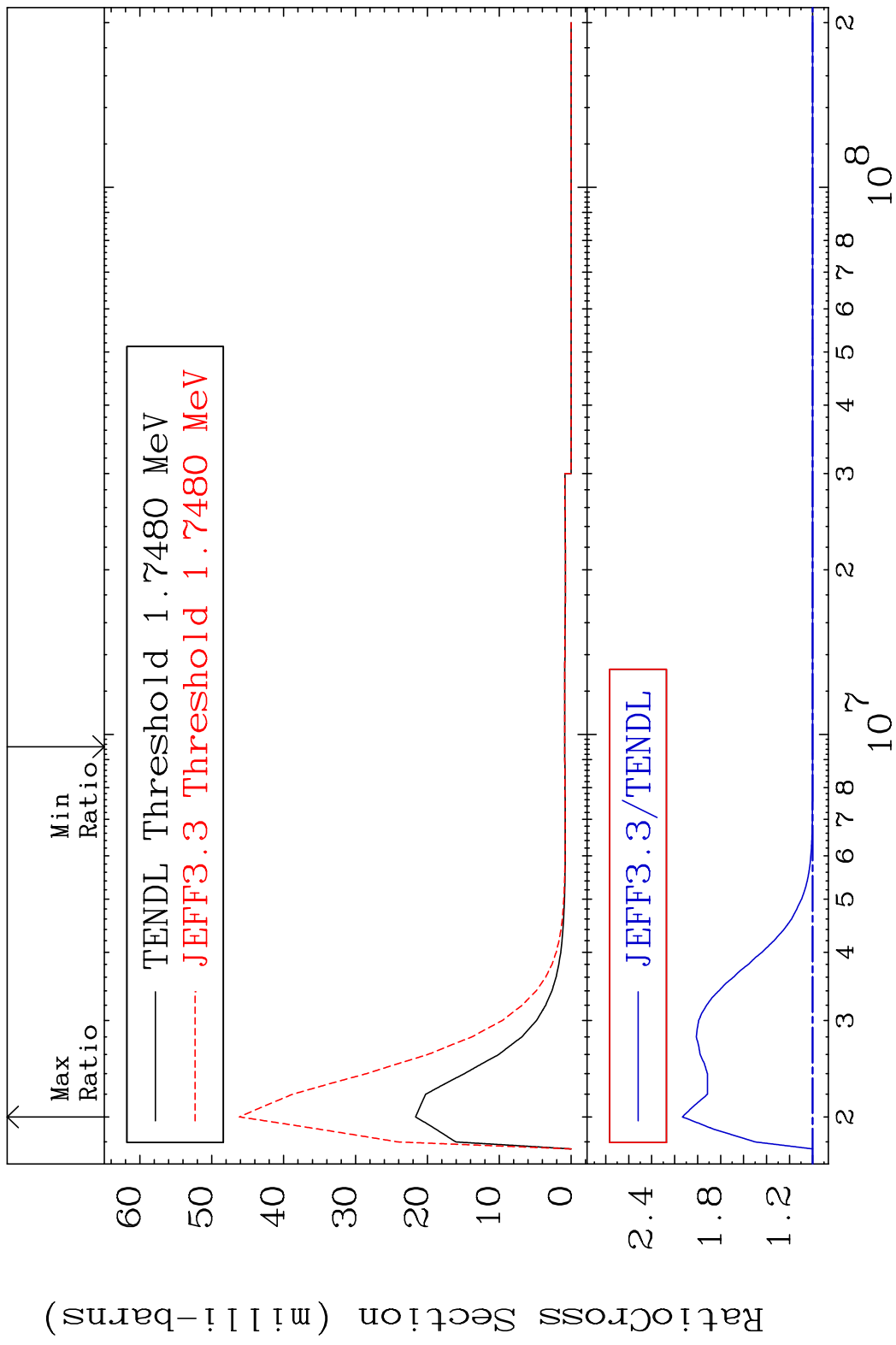
MAT 7049 MT= 78 (n, n') Level 70-Yb-176
 Cross Section -0.001 To 105.0 %



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 %

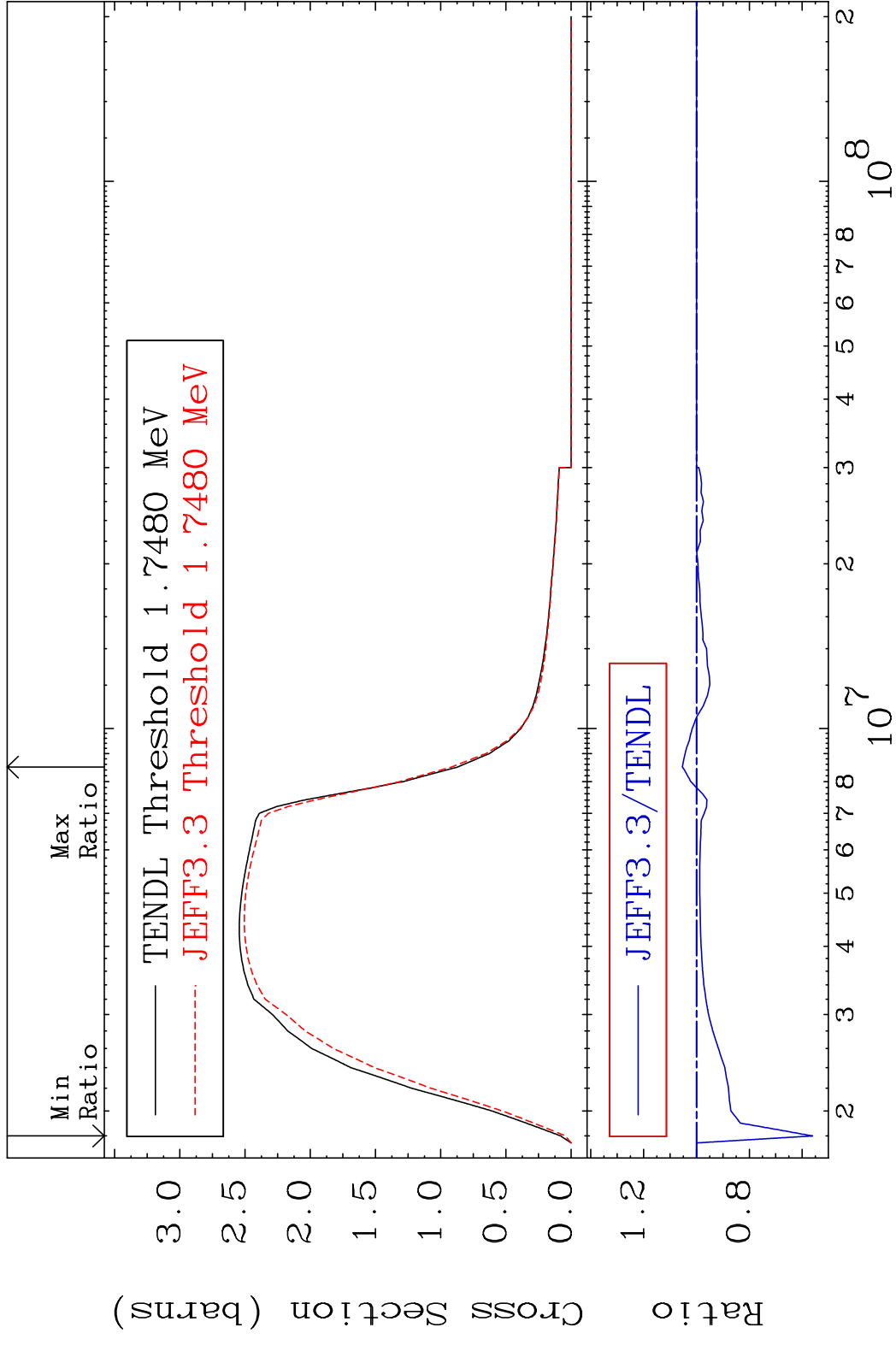


MAT 7049

(n, n') Continuum

70-Yb-176

Cross Section -43.93 To 5.347 %



49

Incident Energy (eV)

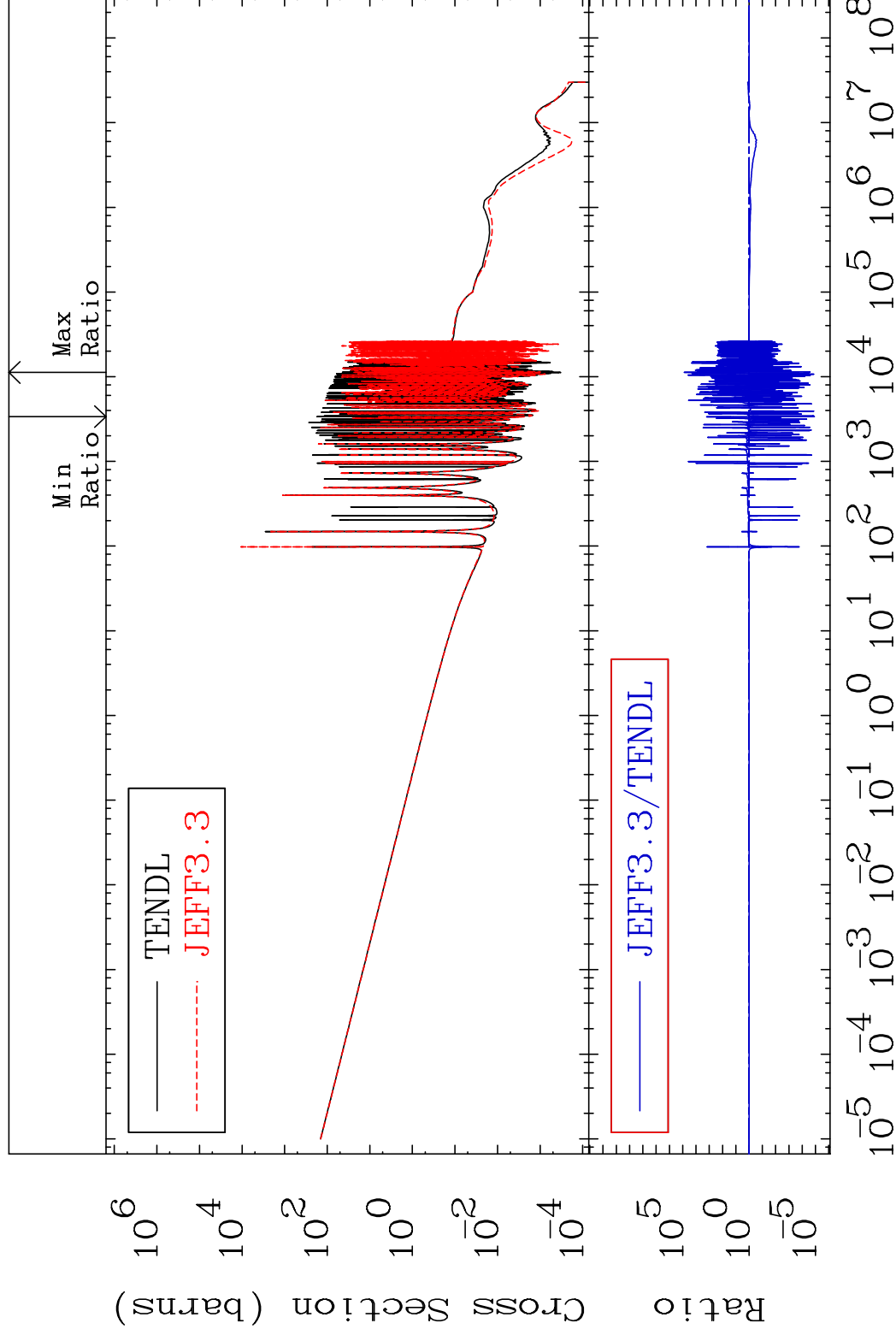
70-Yb-176

MAT 7049

(n, γ)

70-Yb-176

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

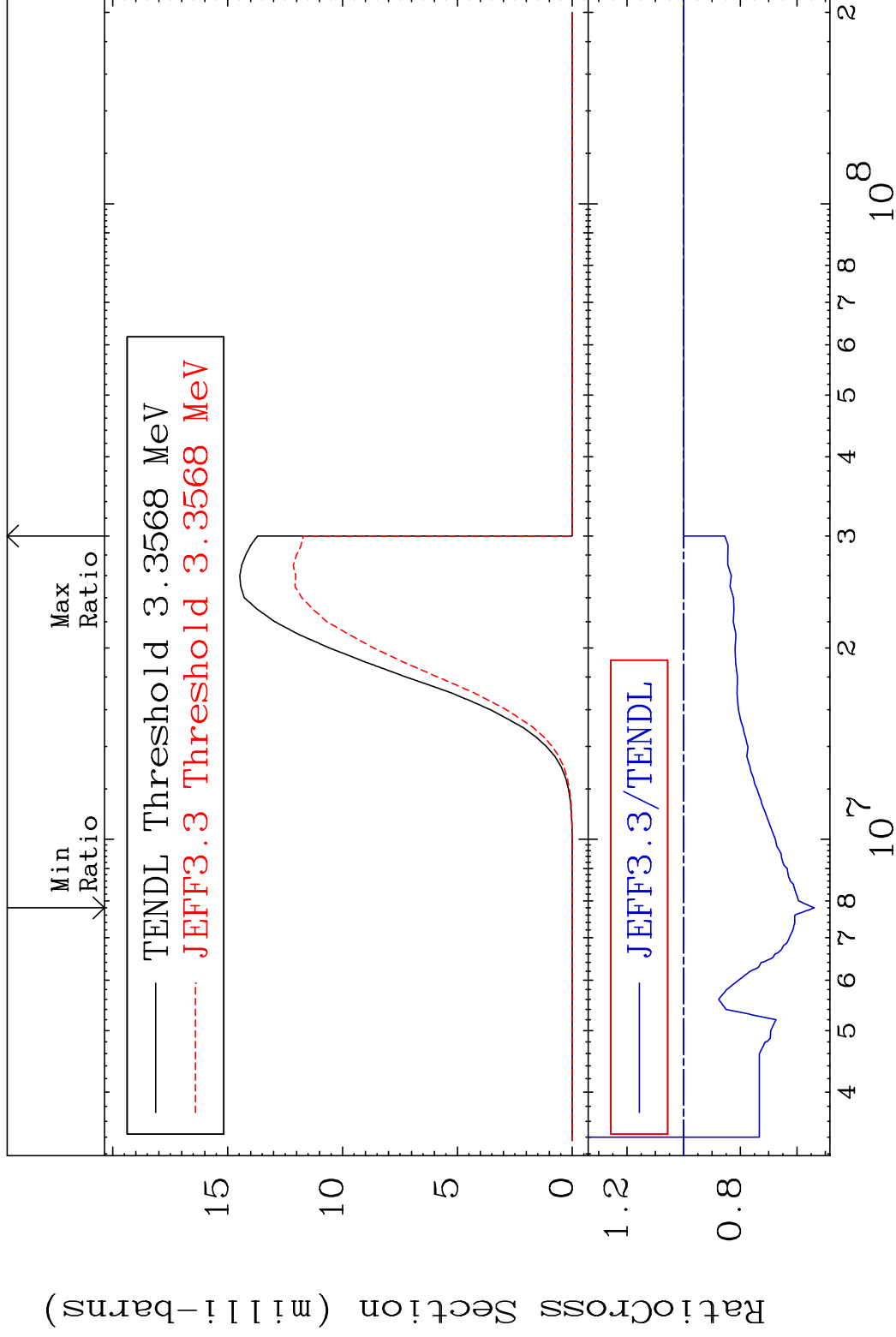
70-Yb-176

MAT 7049

(n, p)

70-Yb-176

Cross Section -46.02 To 0.000 %



51

Incident Energy (eV)

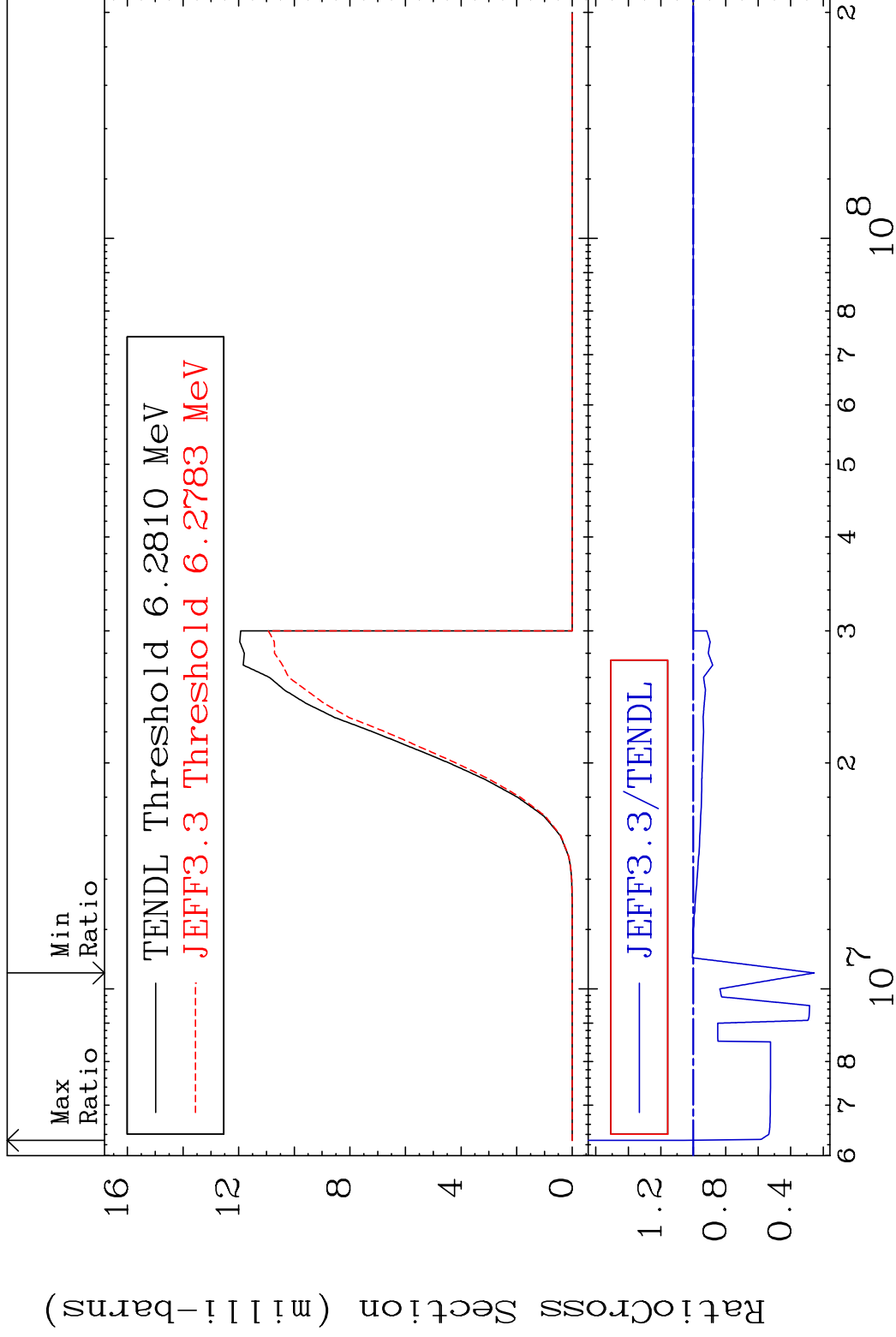
70-Yb-176

MAT 7049

(n, d)

70-Yb-176

Cross Section -74.41 To 5.922 %



52

Incident Energy (eV)

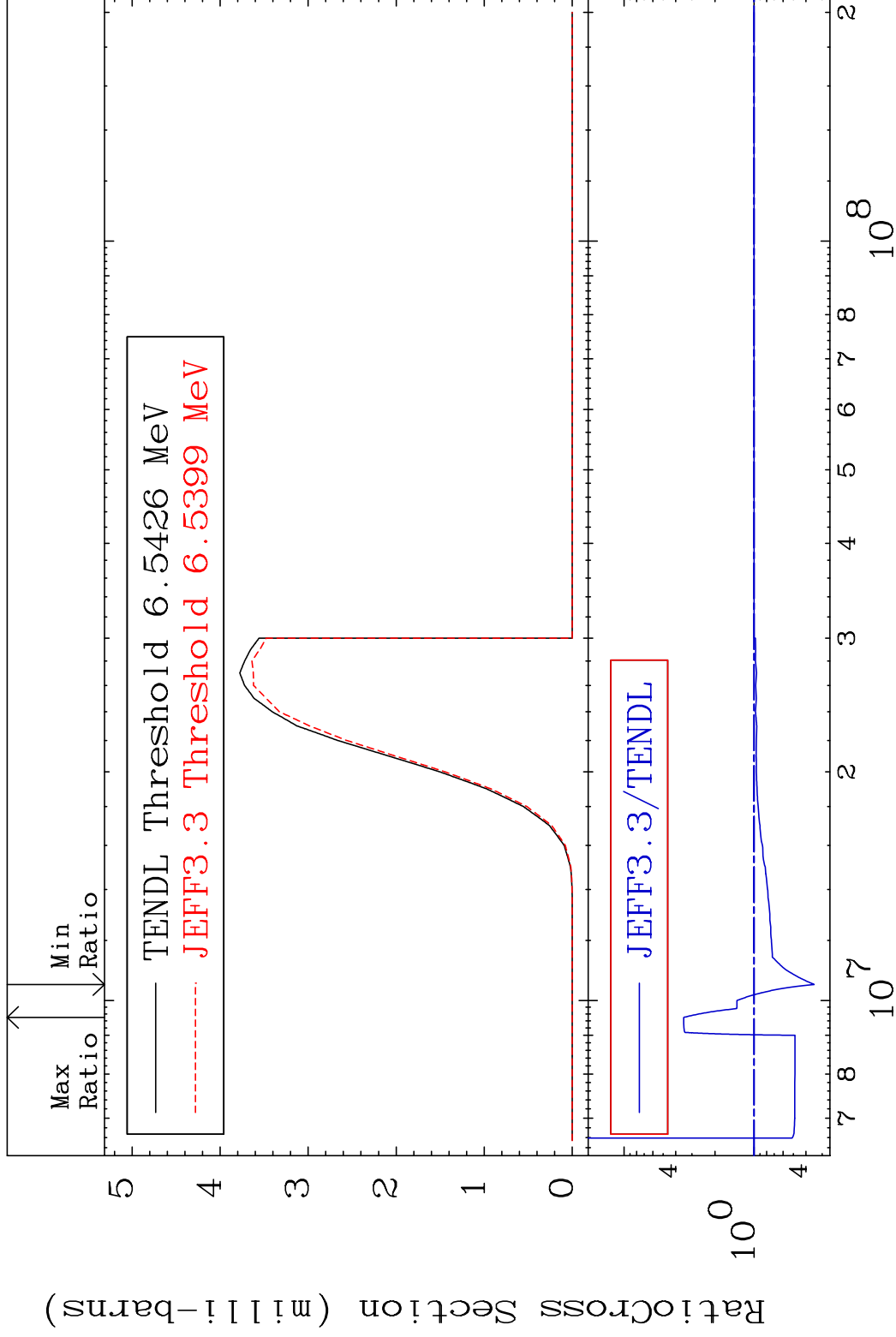
70-Yb-176

MAT 7049

(n, t)

70-Yb-176

Cross Section -65.40 To 247.9 %



53

Incident Energy (eV)

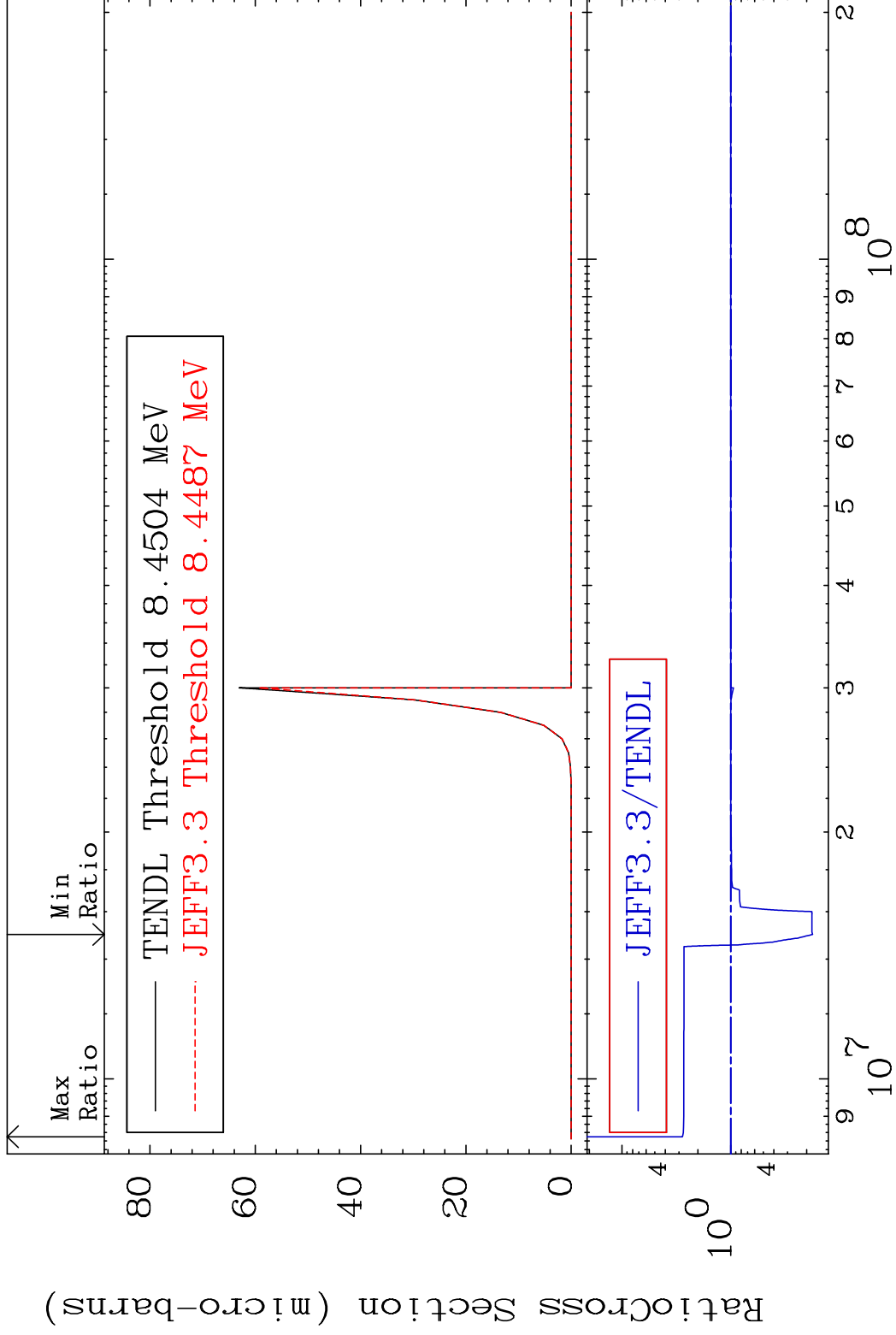
70-Yb-176

MAT 7049

(n, He-3)

70-Yb-176

Cross Section -82.36 To 178.6 %



54

Incident Energy (eV)

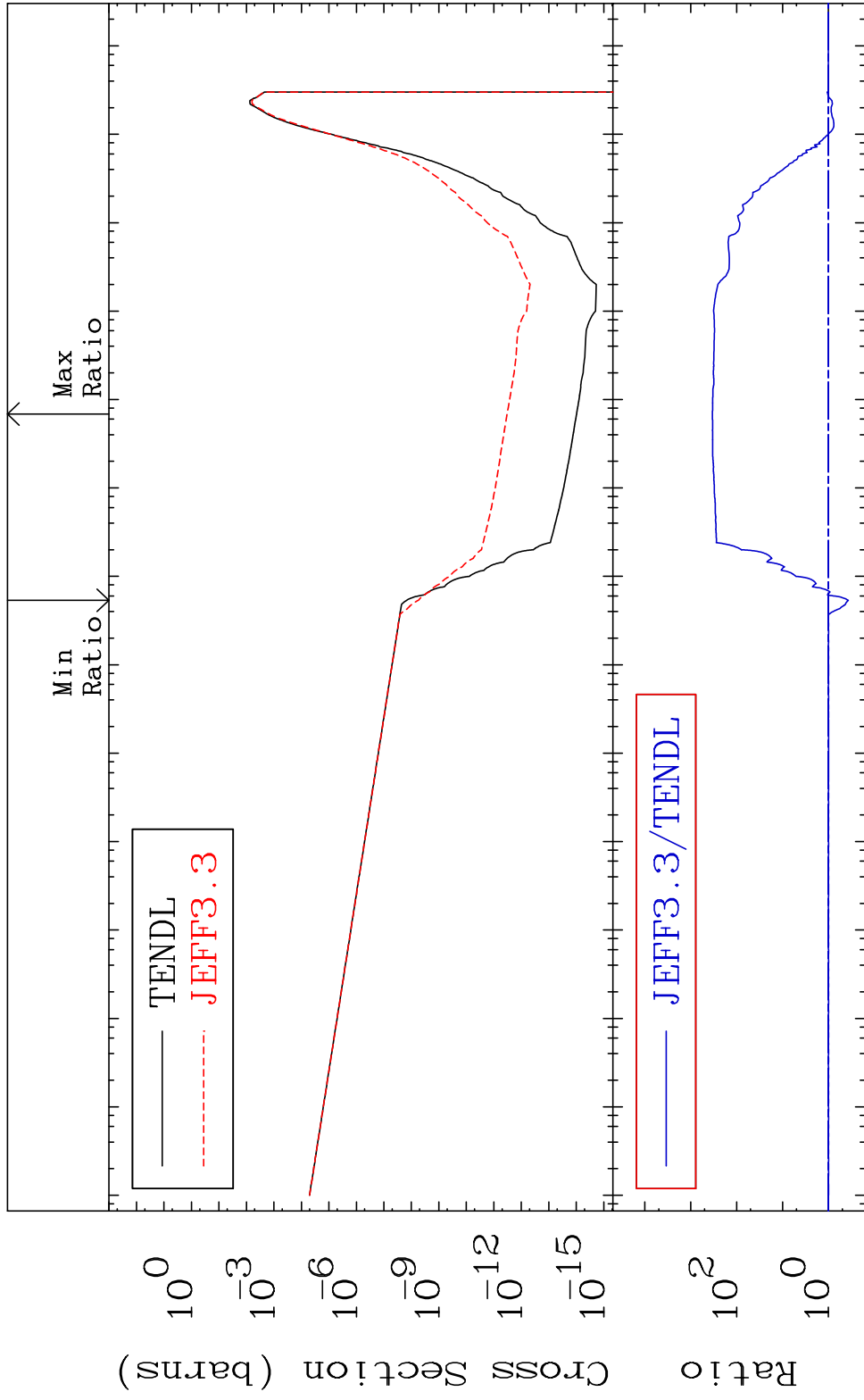
70-Yb-176

MAT 7049

(n, α)

70-Yb-176

Cross Section -63.03 To 9999. %



55

Incident Energy (eV)

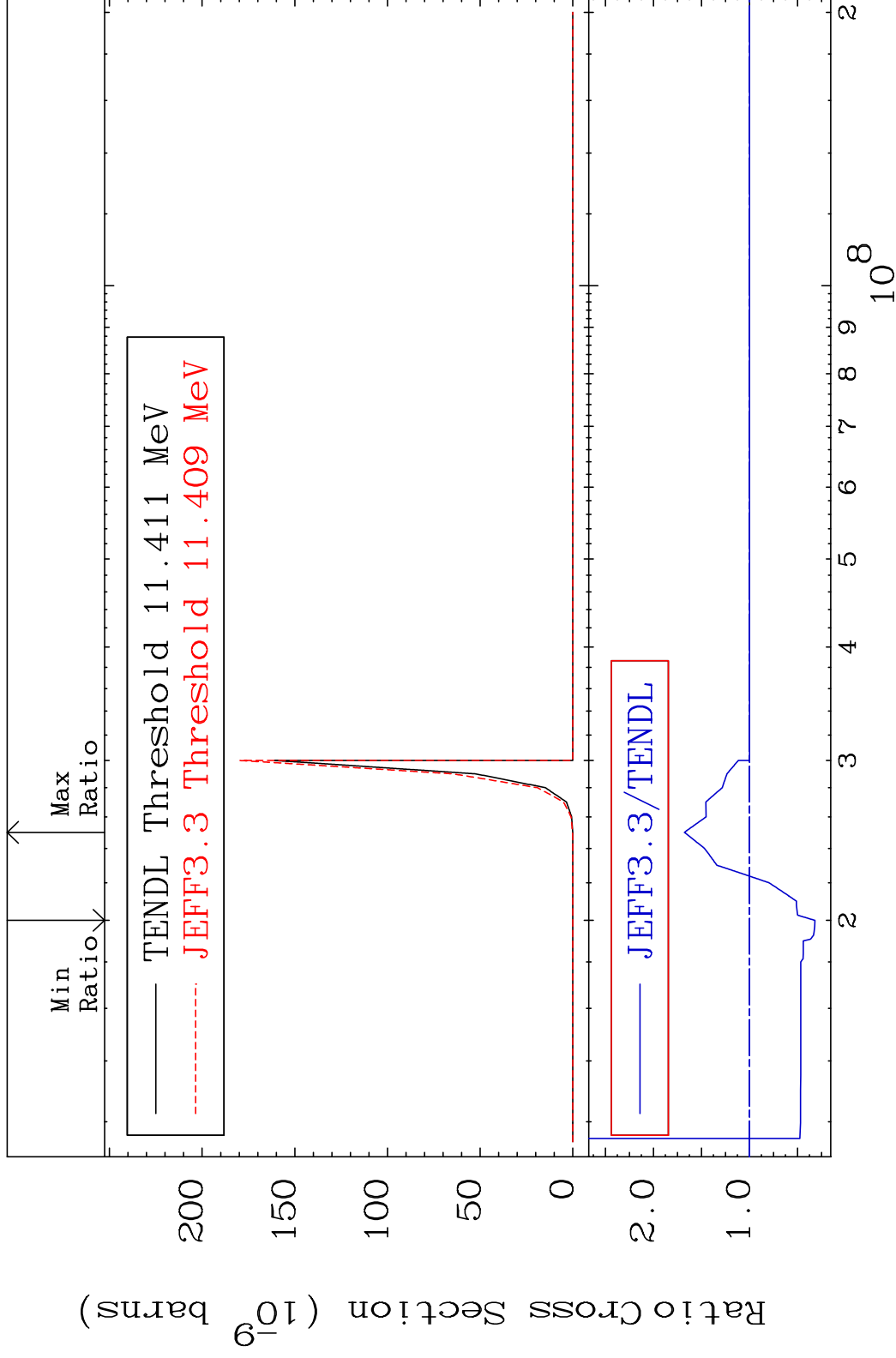
70-Yb-176

MAT 7049

(n,2p)

70-Yb-176

Cross Section -68.13 To 67.81 %



56

Incident Energy (eV)

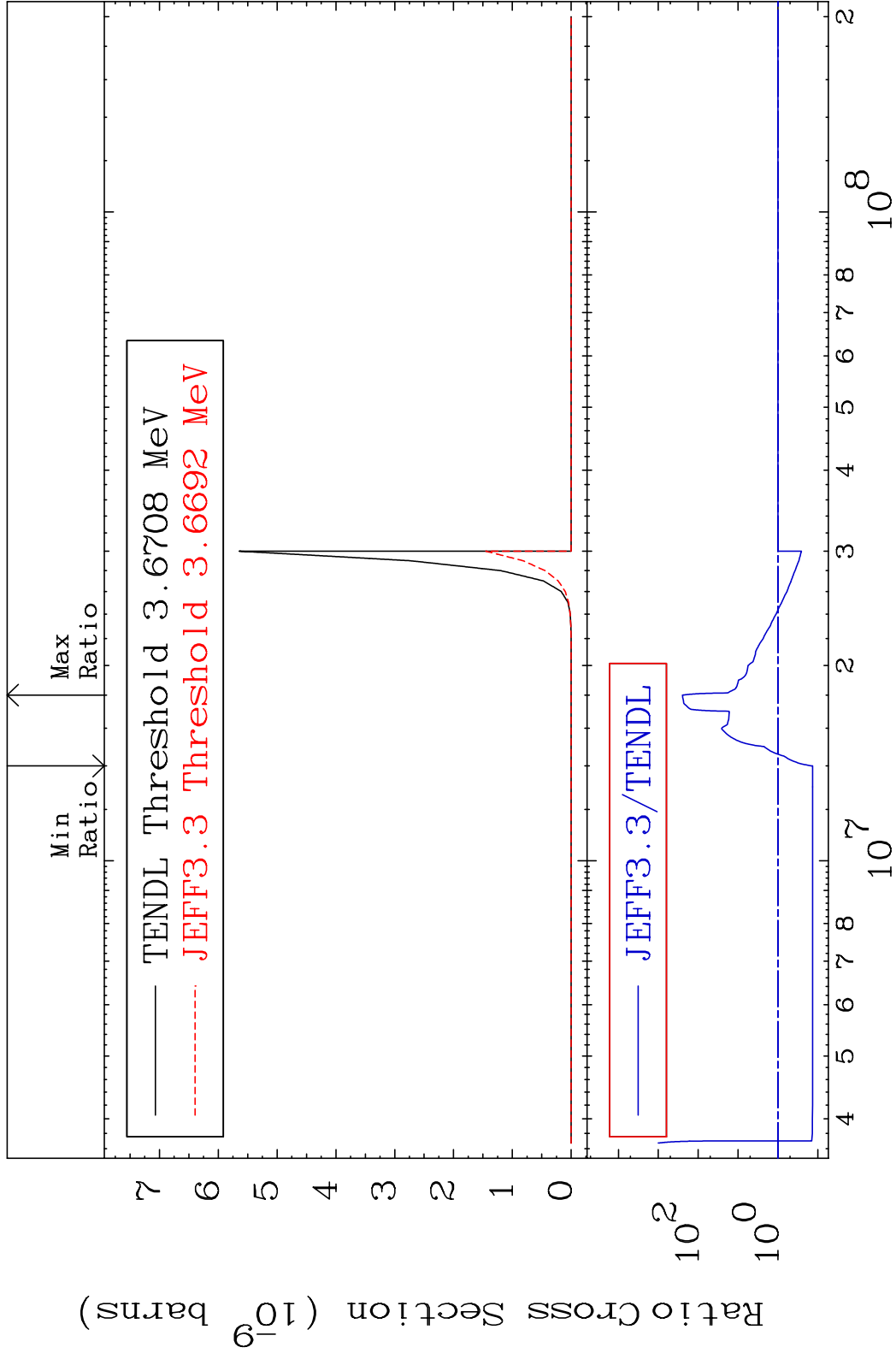
70-Yb-176

MAT 7049

(n,p) α

70-Yb-176

Cross Section -86.45 To 9999. %

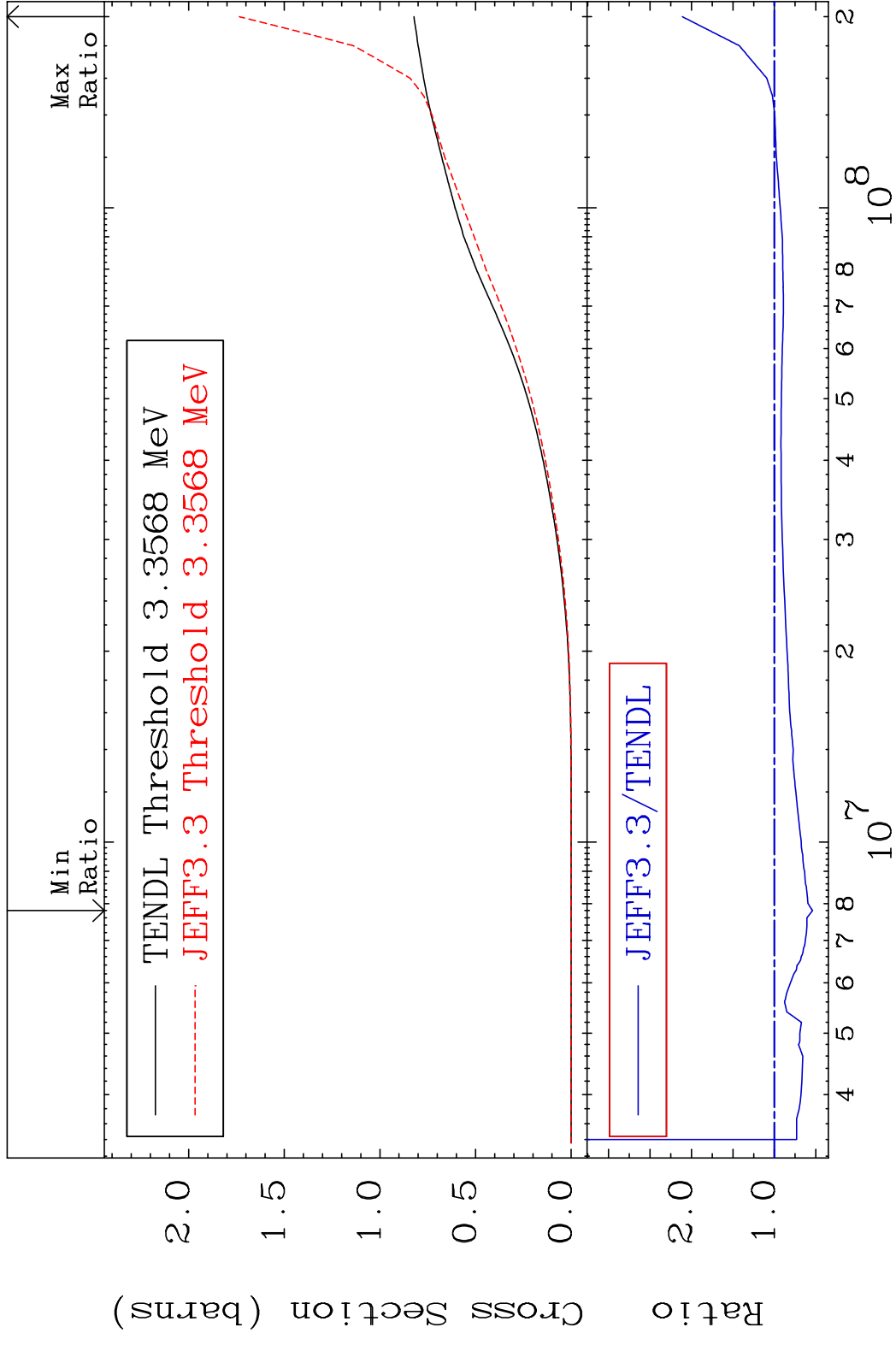


MAT 7049

Hydrogen Production

70-Yb-176

Cross Section -46.02 To 111.0 %

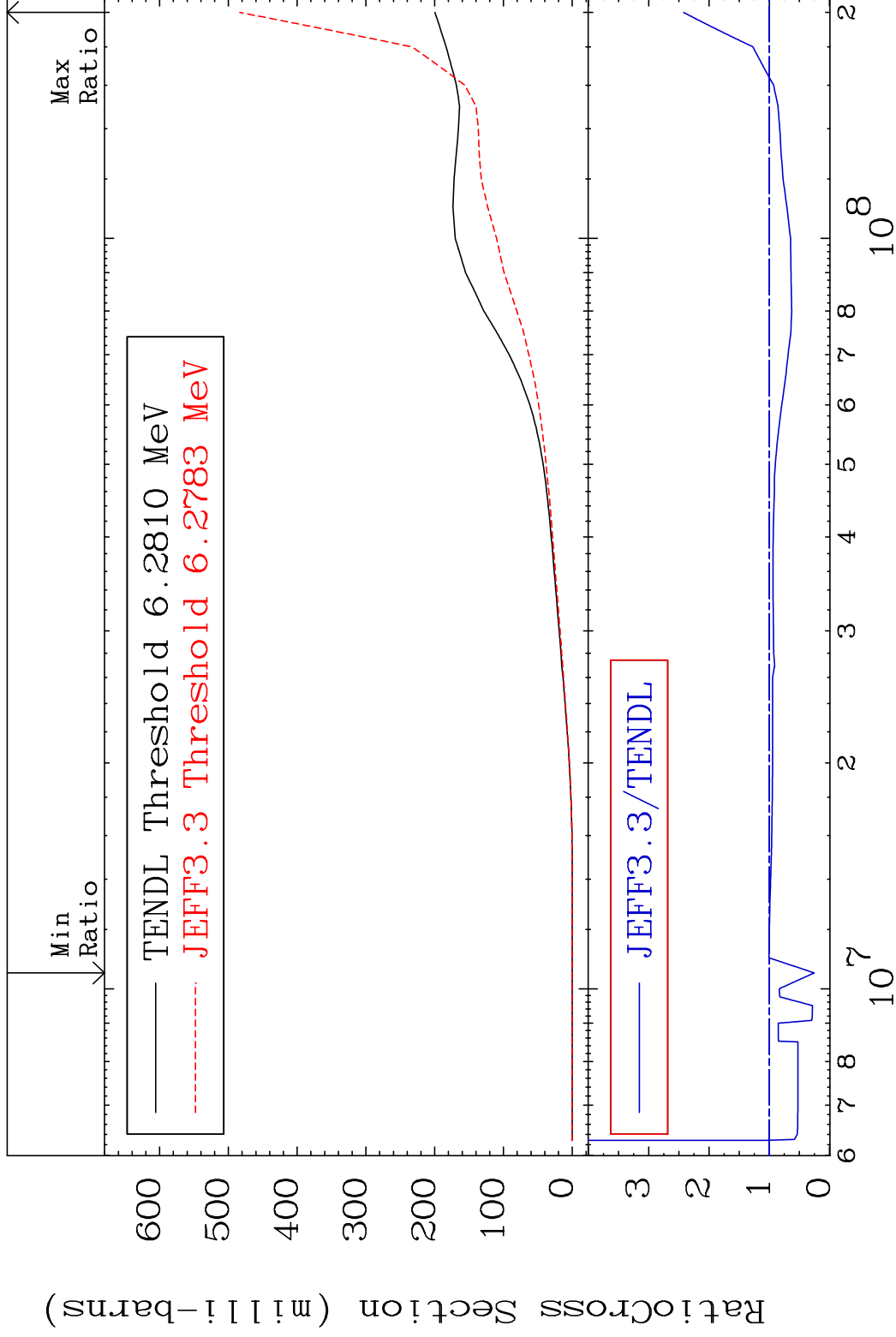


MAT 7049

Deuterium Production

70-Yb-176

Cross Section -74.41 To 142.1 %

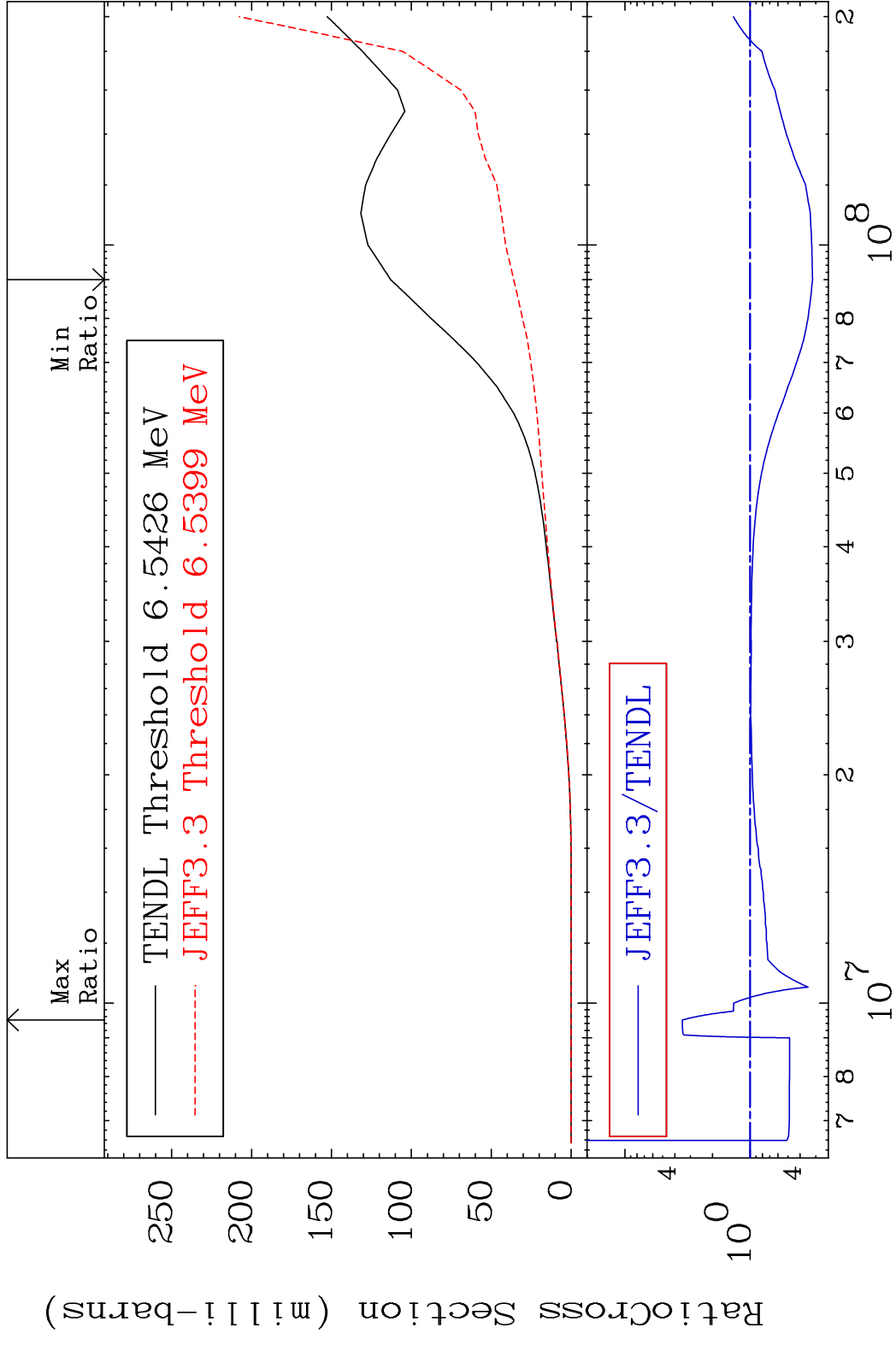


59

Incident Energy (eV)

70-Yb-176

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



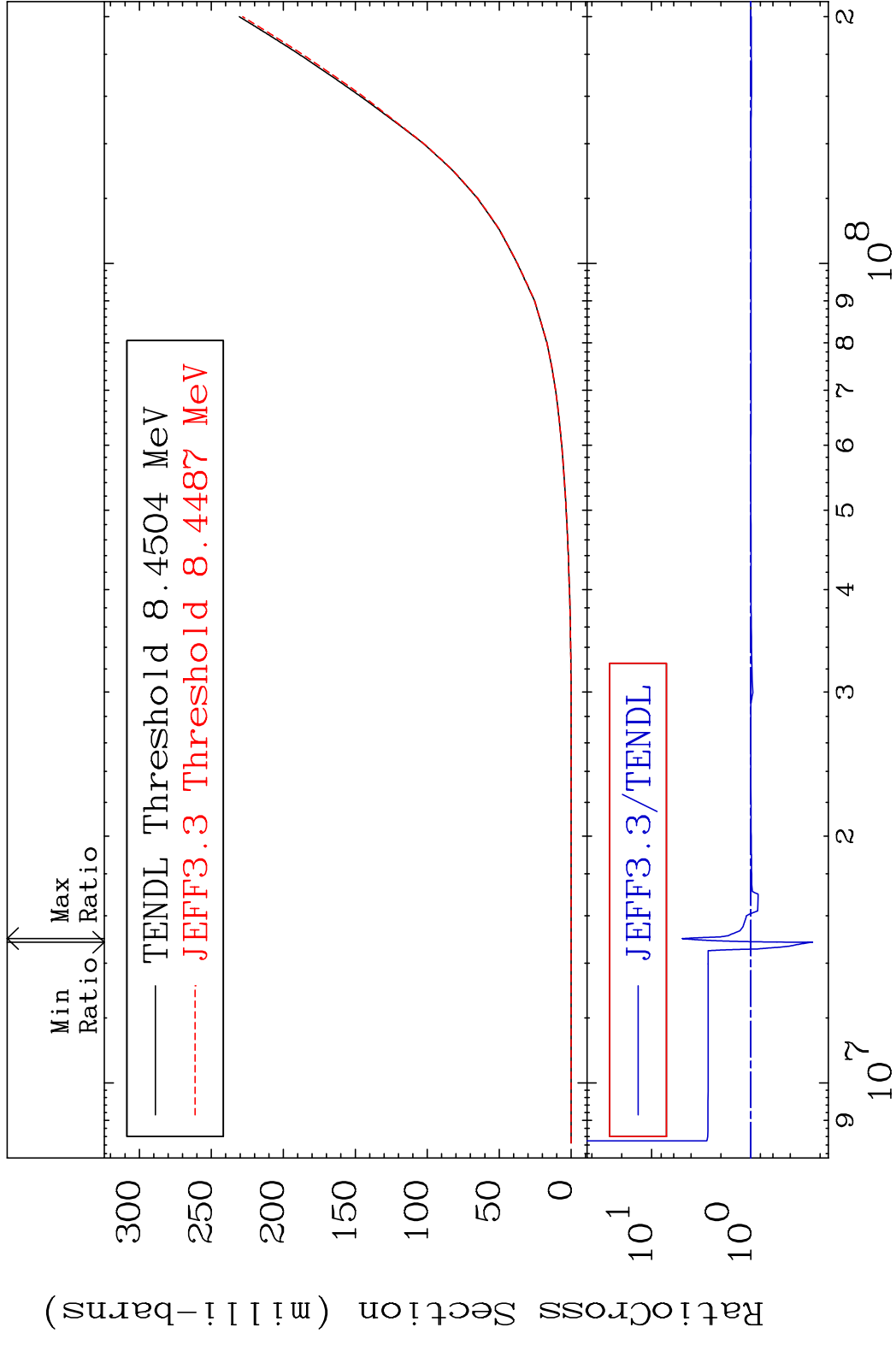
60 Incident Energy (eV) 70-Yb-176

MAT 7049

He-3 Production

70-Yb-176

Cross Section -76.09 To 389.9 %

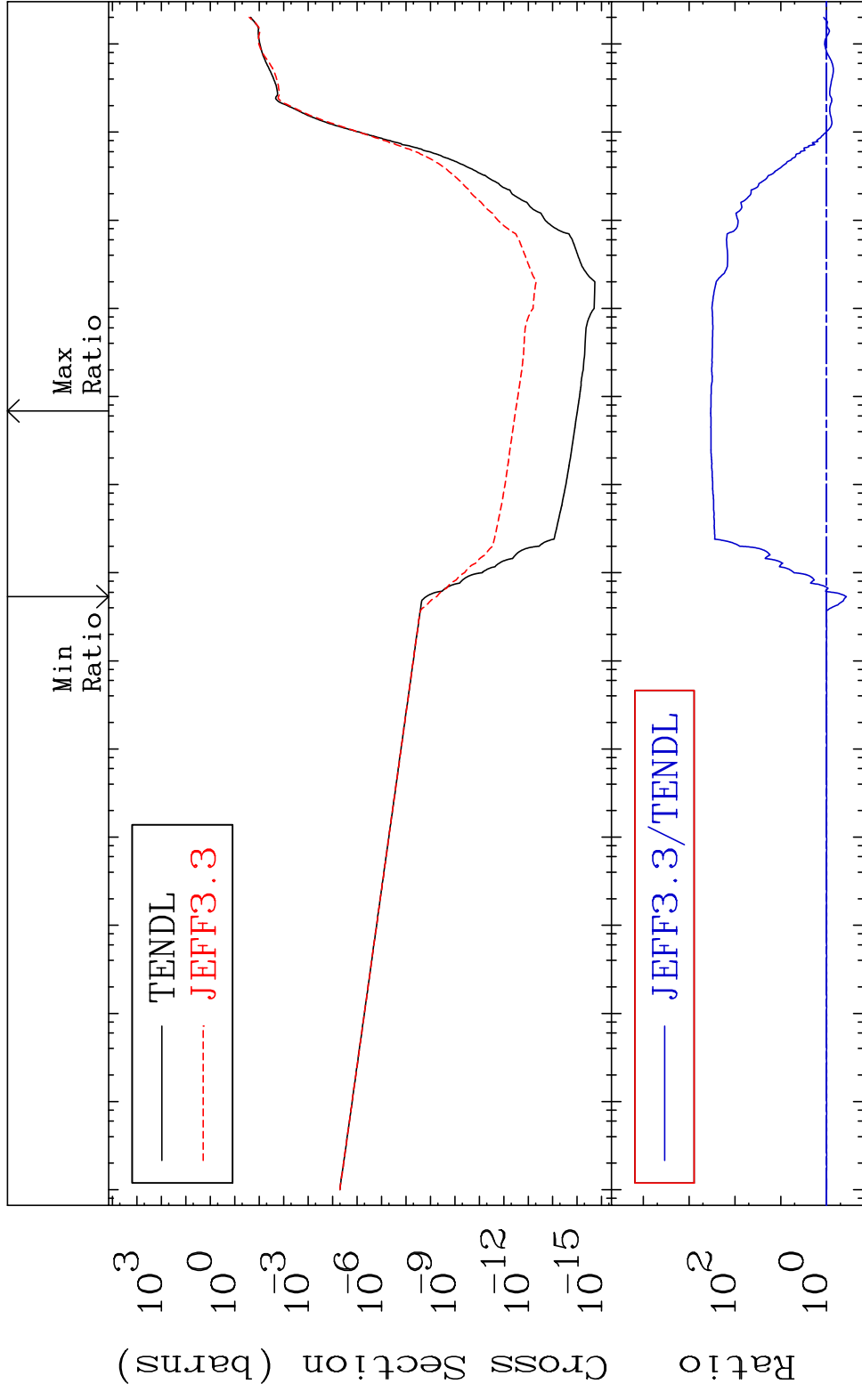


MAT 7049

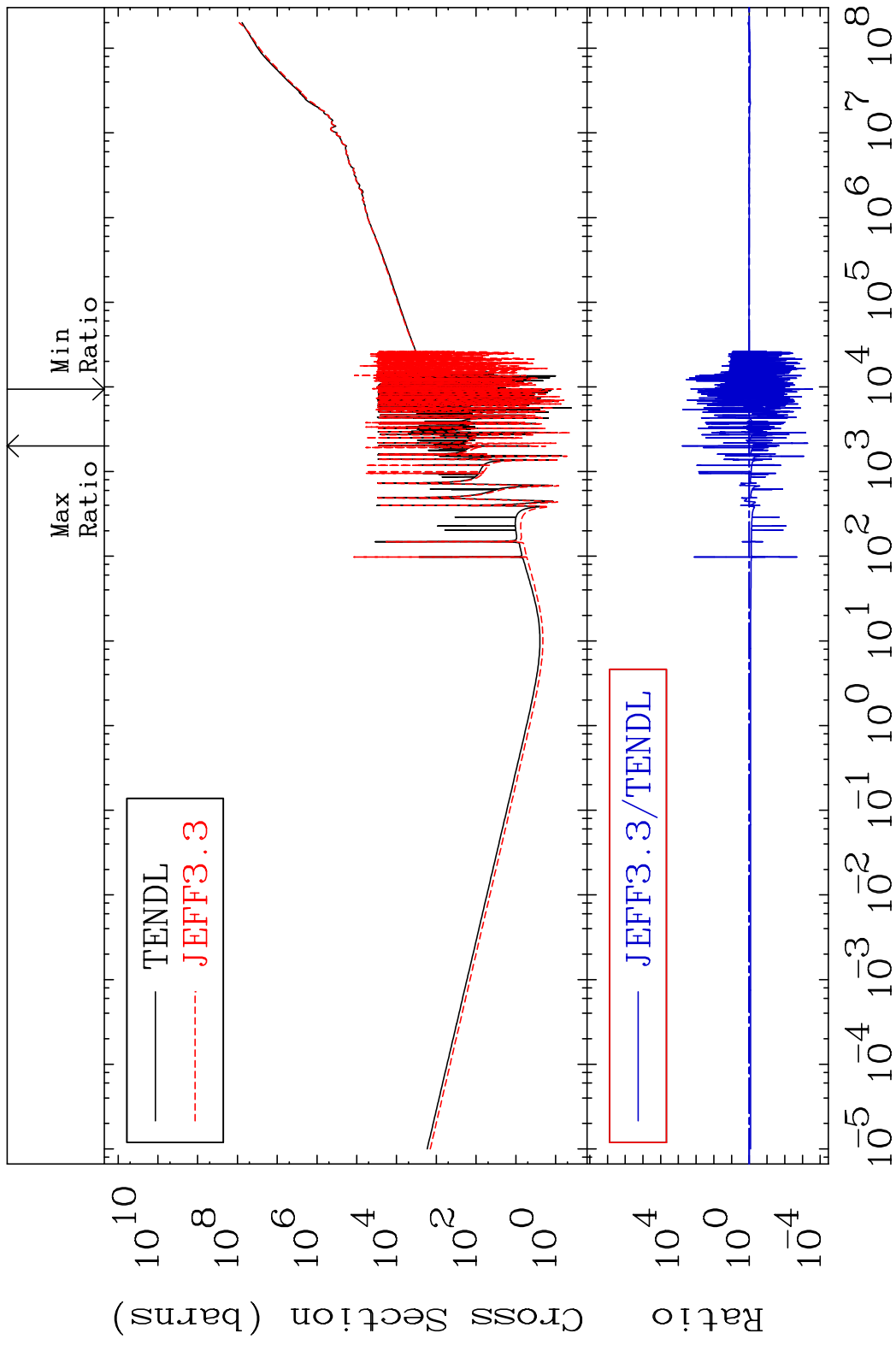
He-4 Production

70-Yb-176

Cross Section -63.03 To 9999. %

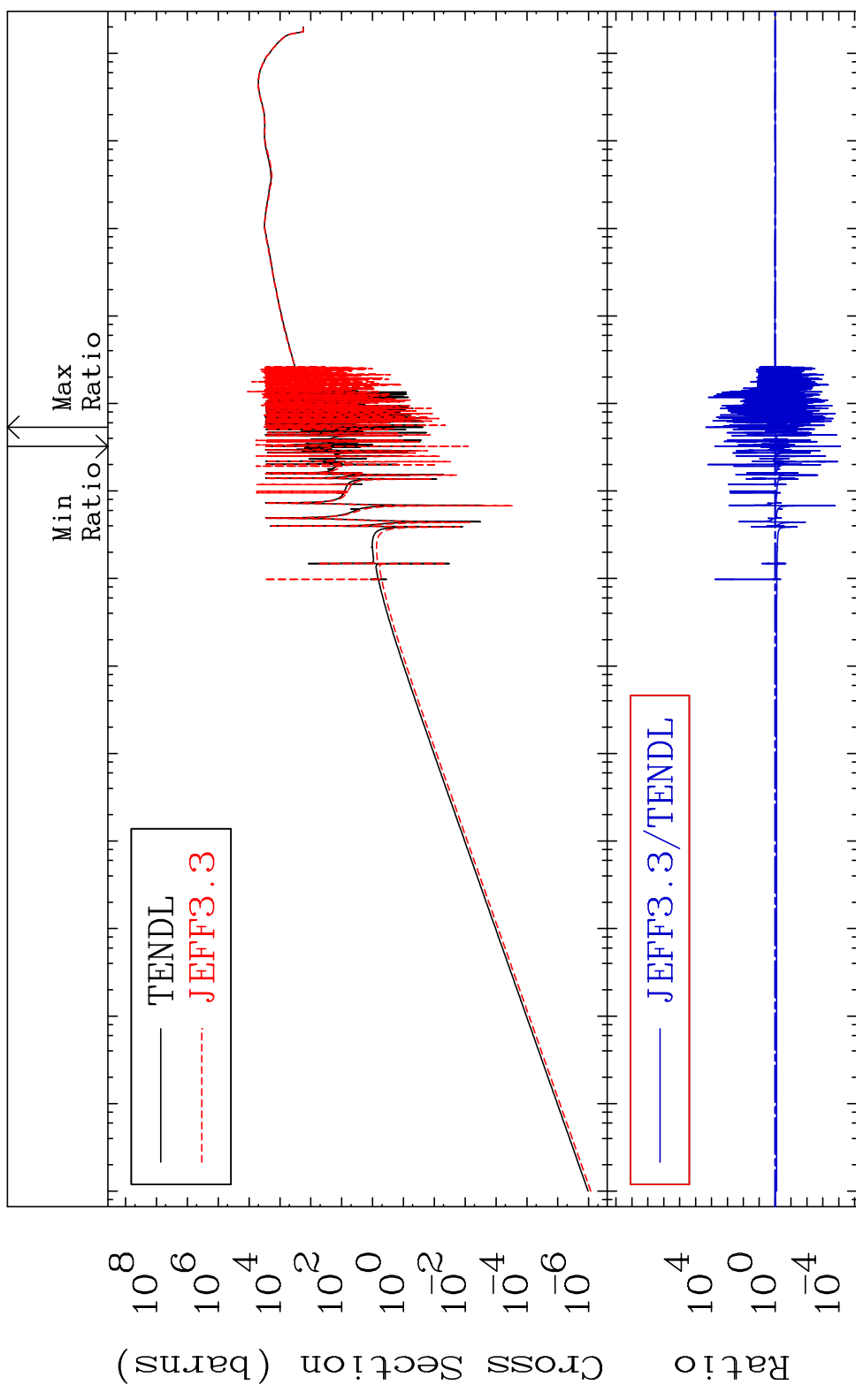


MAT 7049 Kerma total (eV-barns) 70-Yb-176
 Cross Section -99.97 To 9999. %

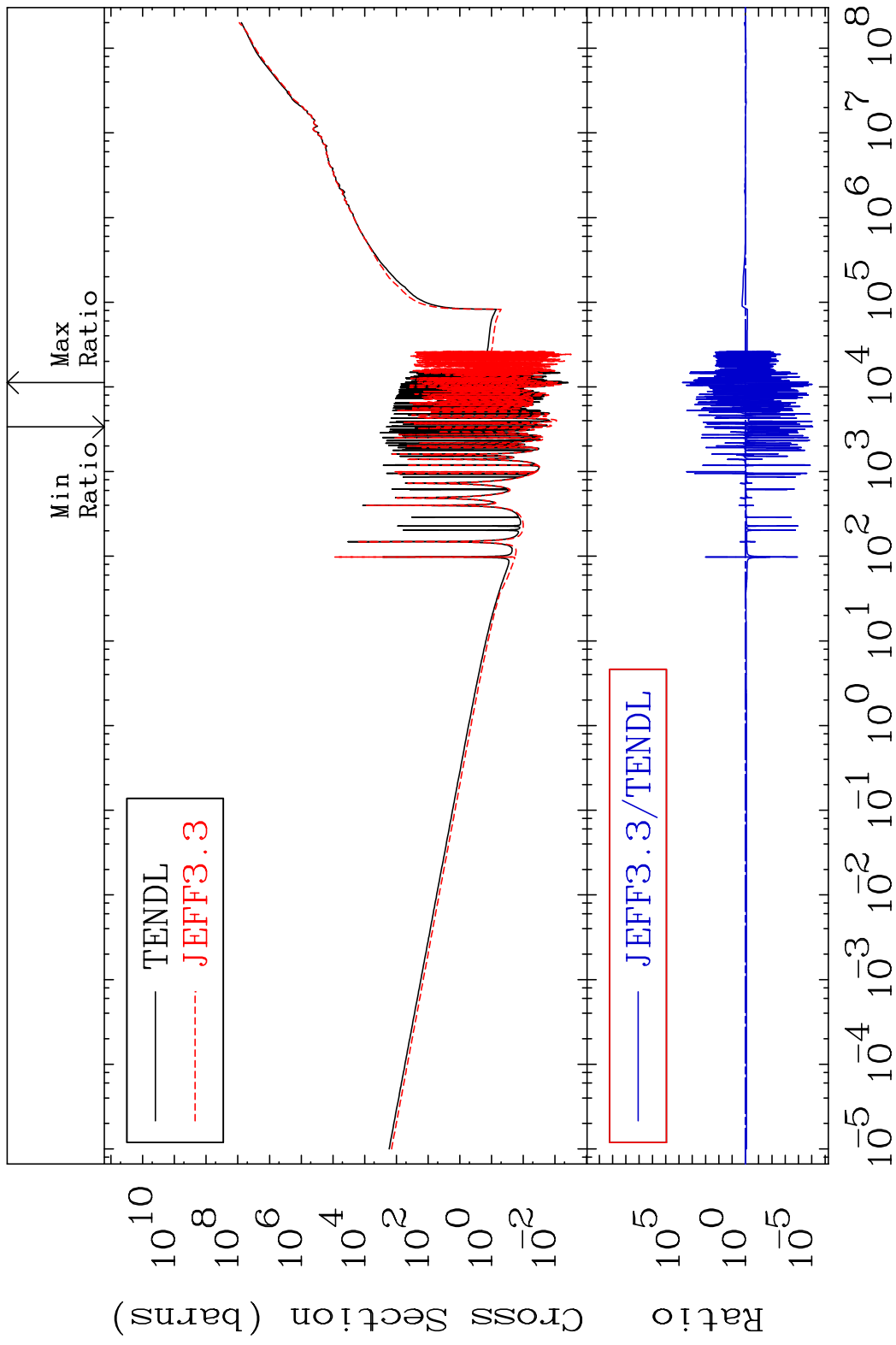


MAT 7049

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. %

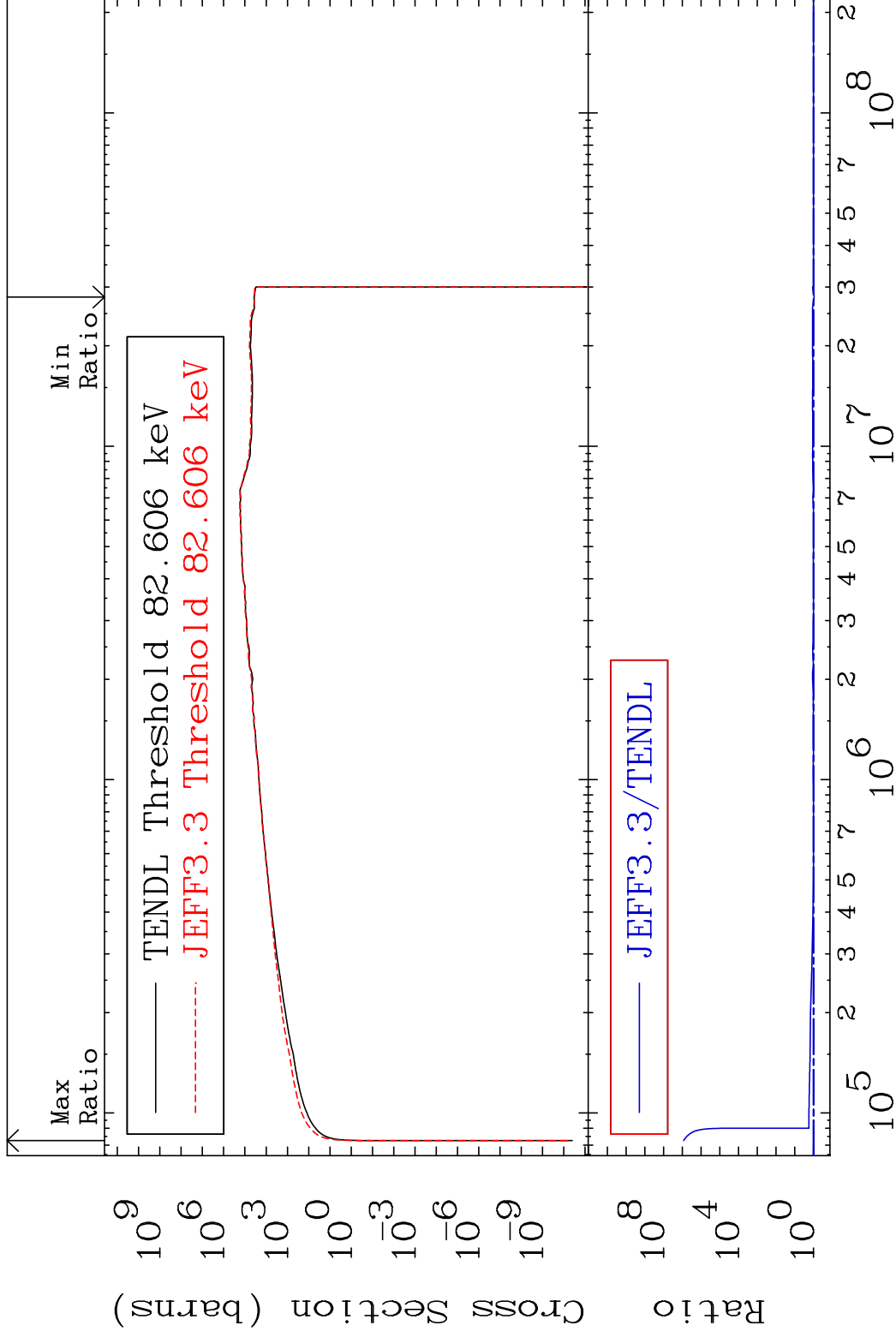


65 Incident Energy (eV) 70-Yb-176

MAT 7049

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

Cross Section -7.287 To 9999. %

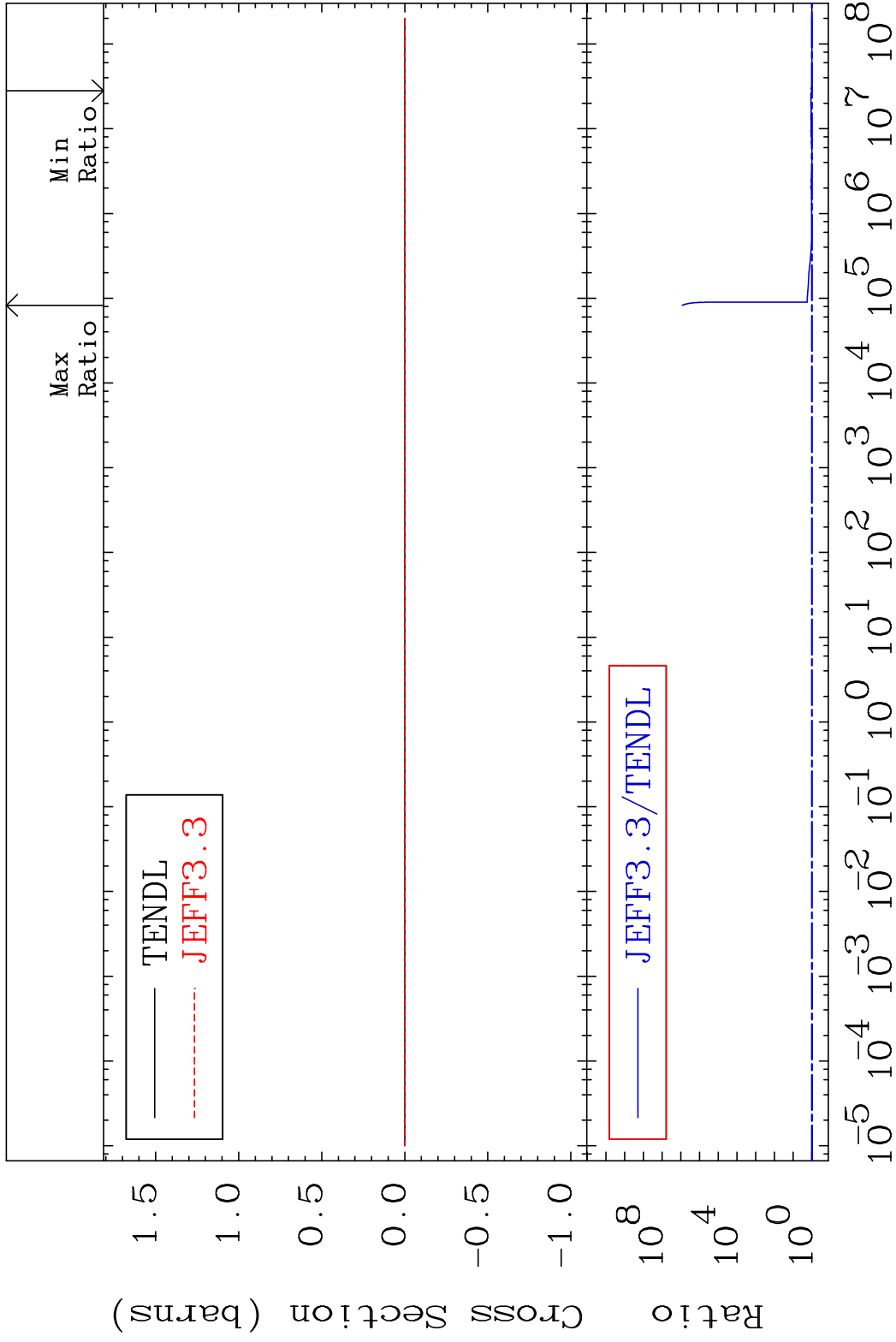


66

Incident Energy (eV)

70-Yb-176

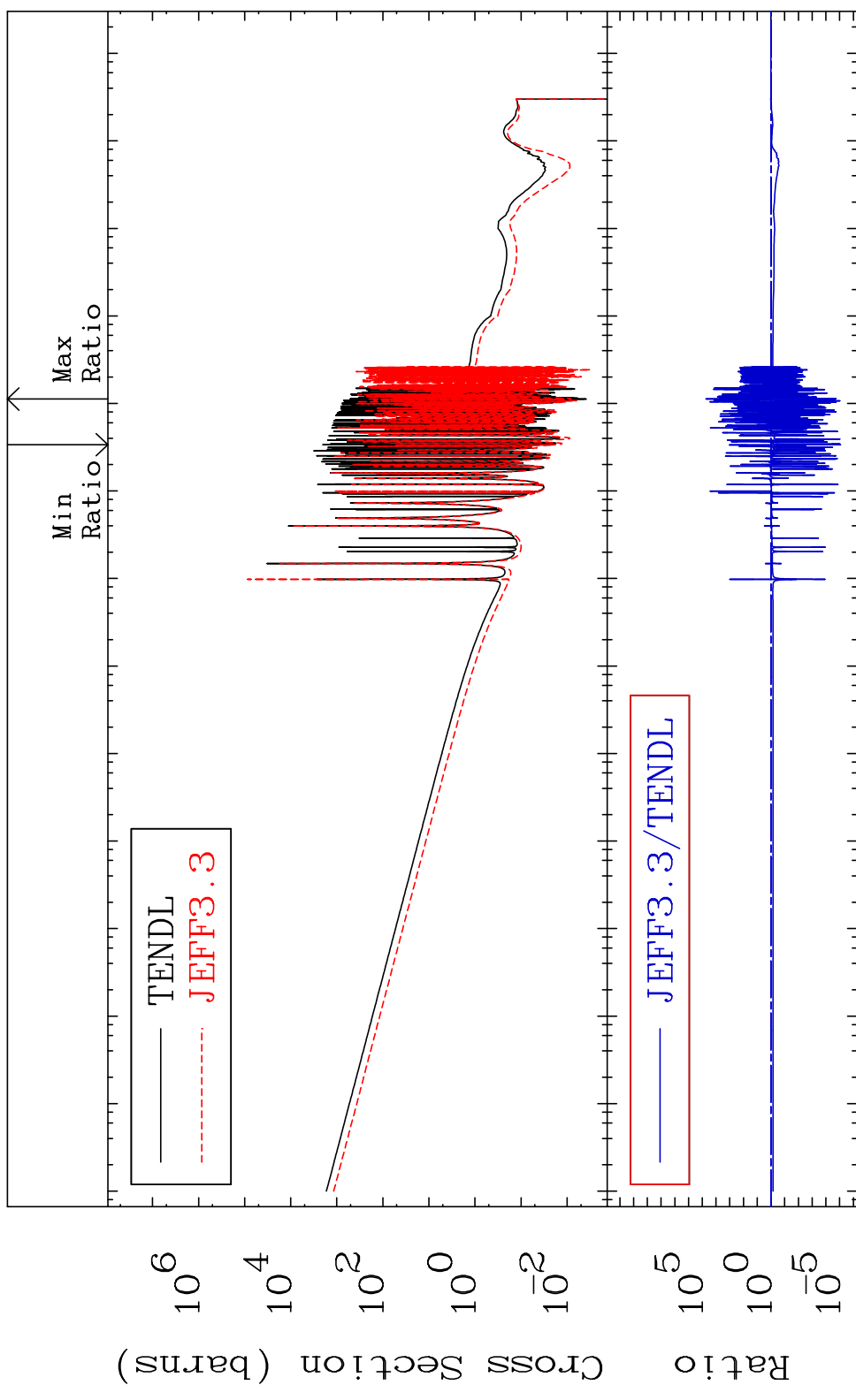
MAT 7049 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-176
 Cross Section -7.287 To 9999. %



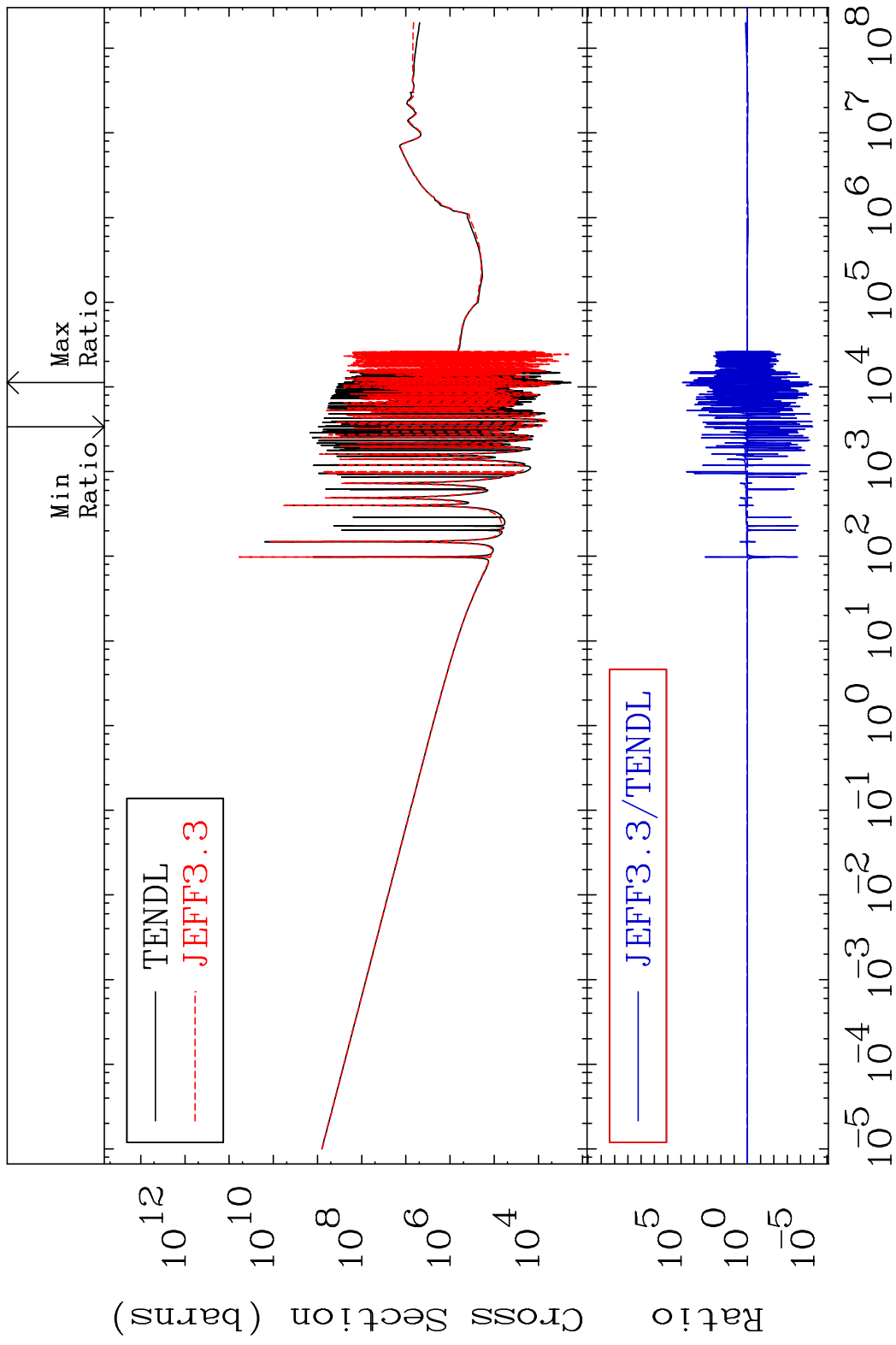
MAT 7049

Kerma capture (mt102) 70-Yb-176

Cross Section -100.0 To 9999. %

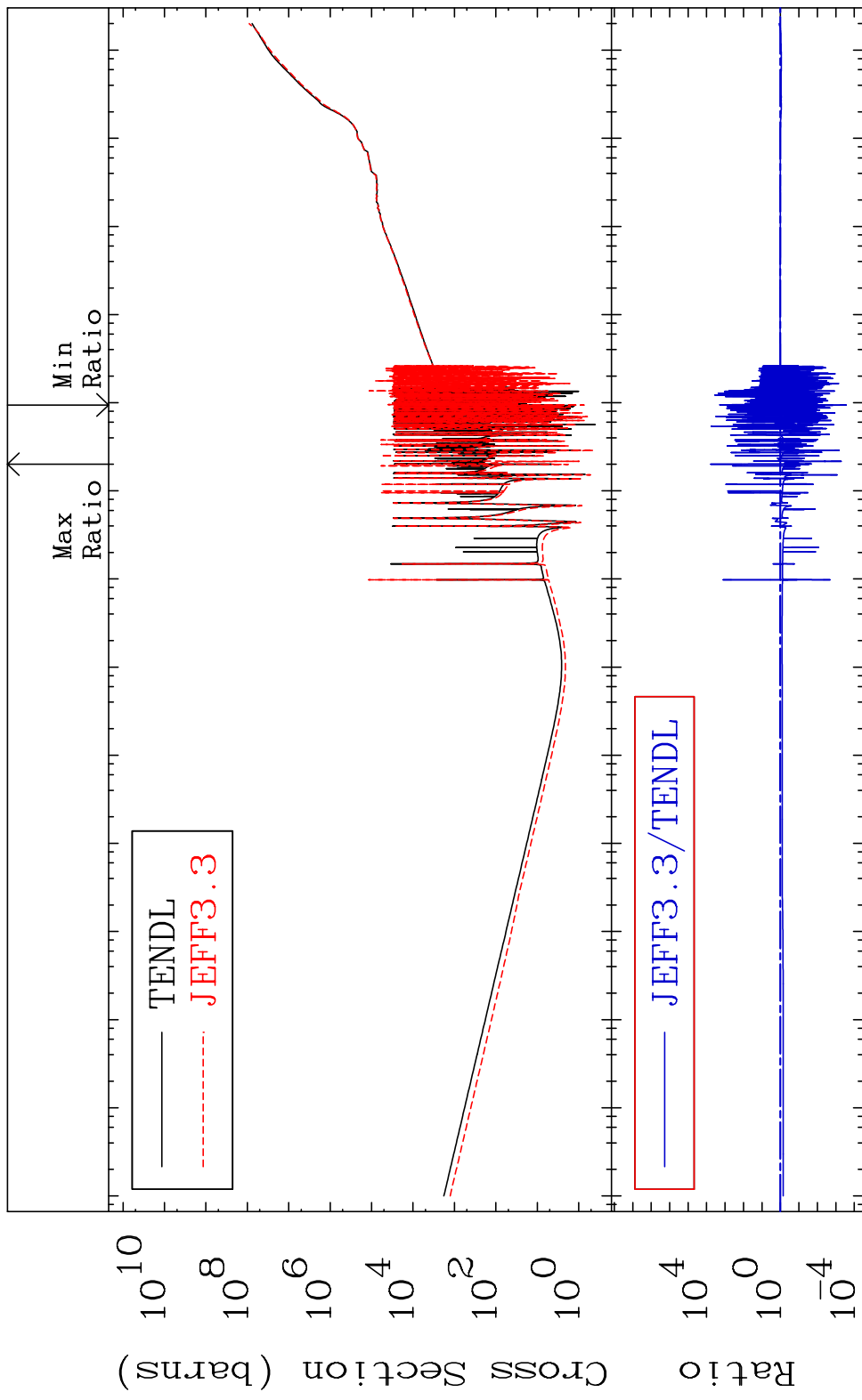


MAT 7049 Total photon (eV-barns) 70-Yb-176
Cross Section -100.0 To 9999. %



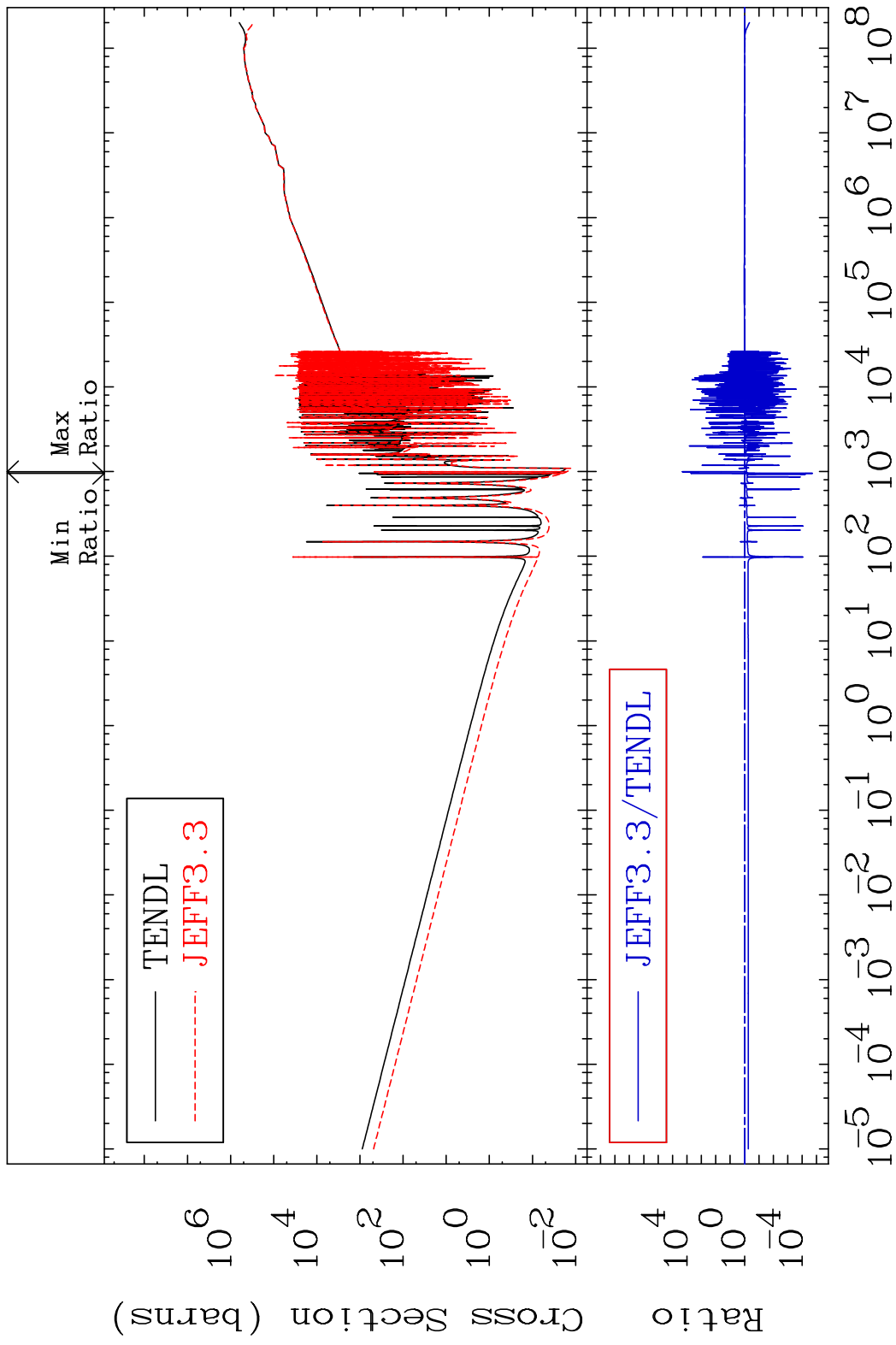
69 Incident Energy (eV) 70-Yb-176

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. %



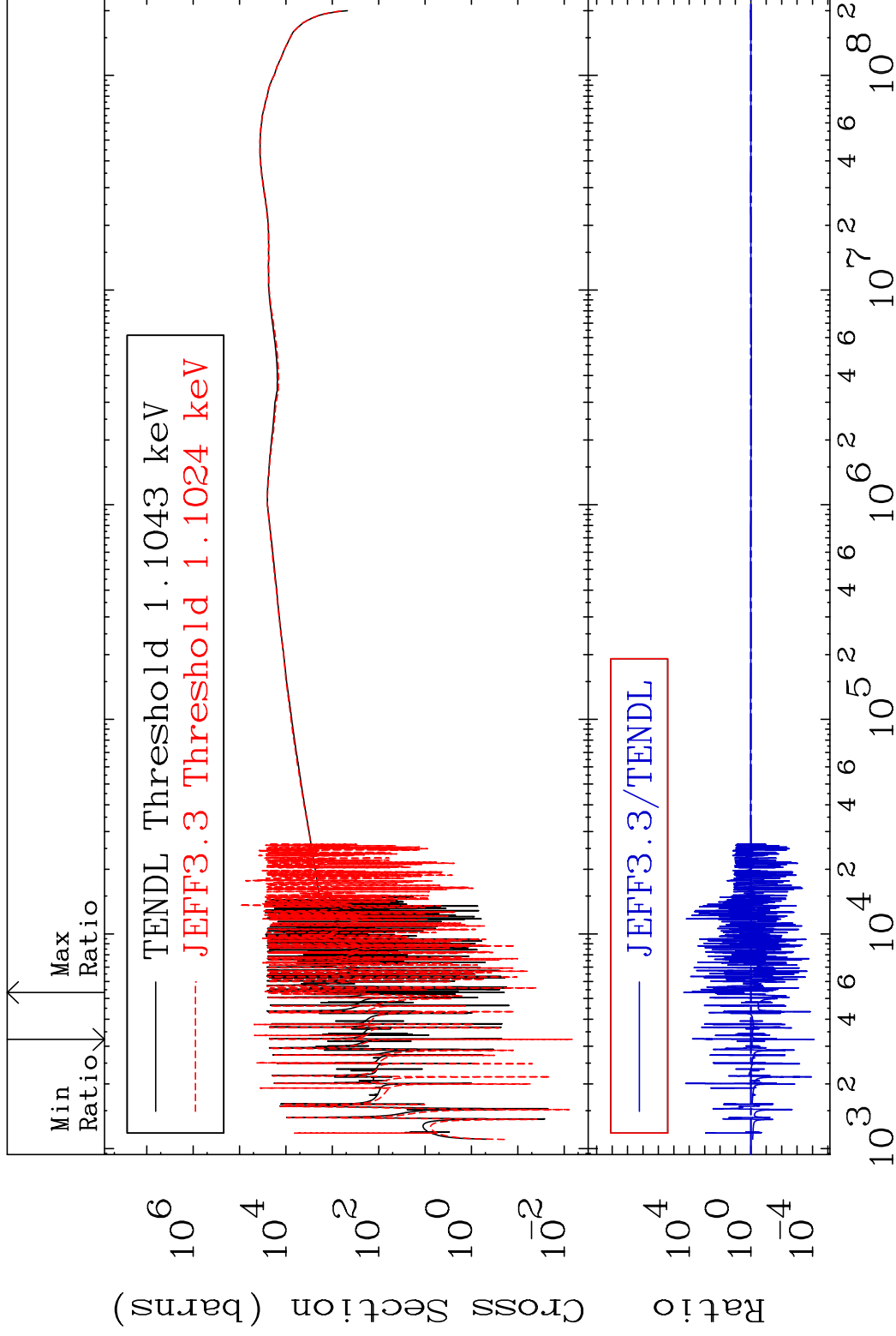
71 Incident Energy (eV) 70-Yb-176

MAT 7049

Dpa elastic (mt2)

70-Yb-176

Cross Section -99.99 To 9999. %



72

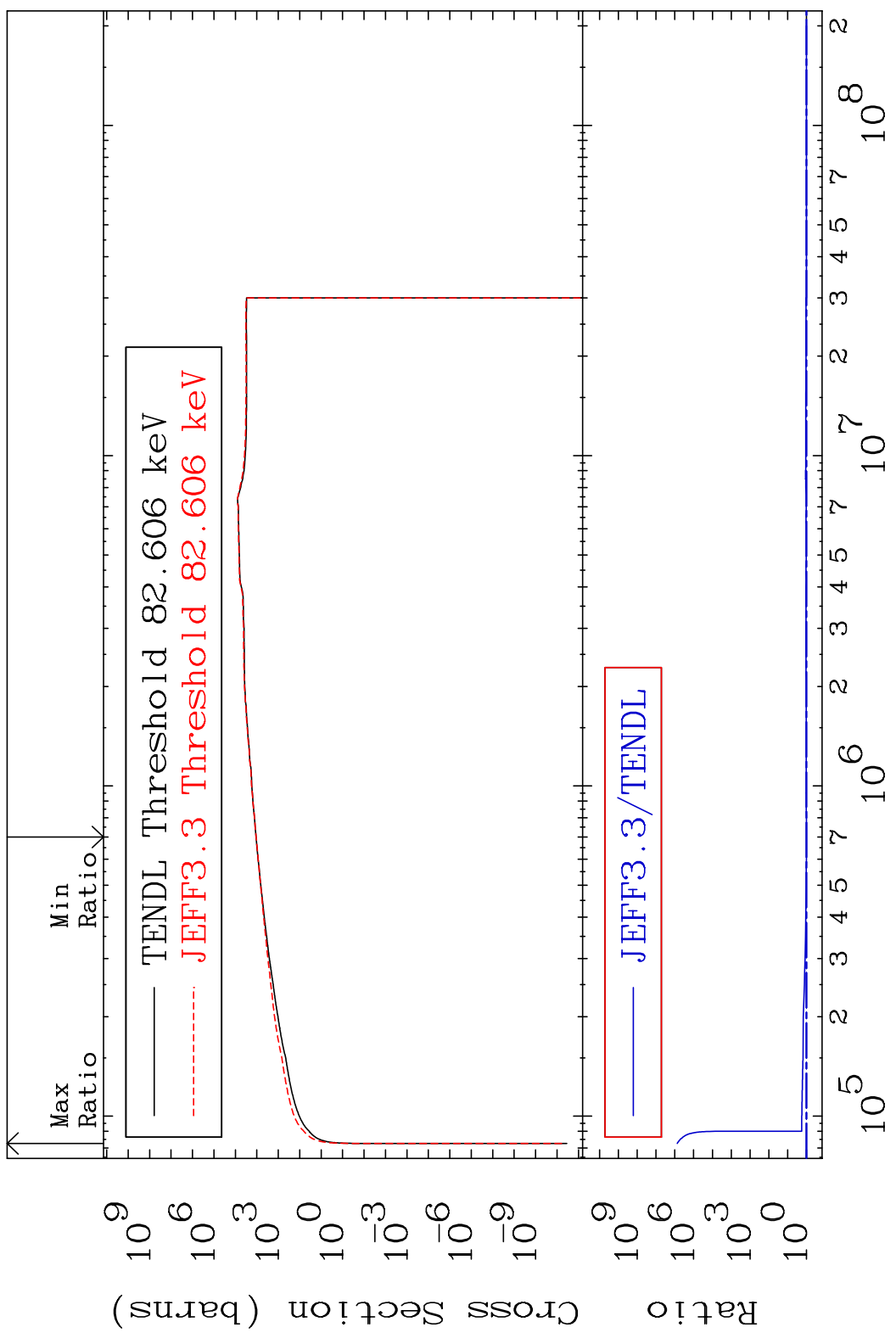
Incident Energy (eV)

70-Yb-176

MAT 7049

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

Cross Section -0.356 To 9999. %

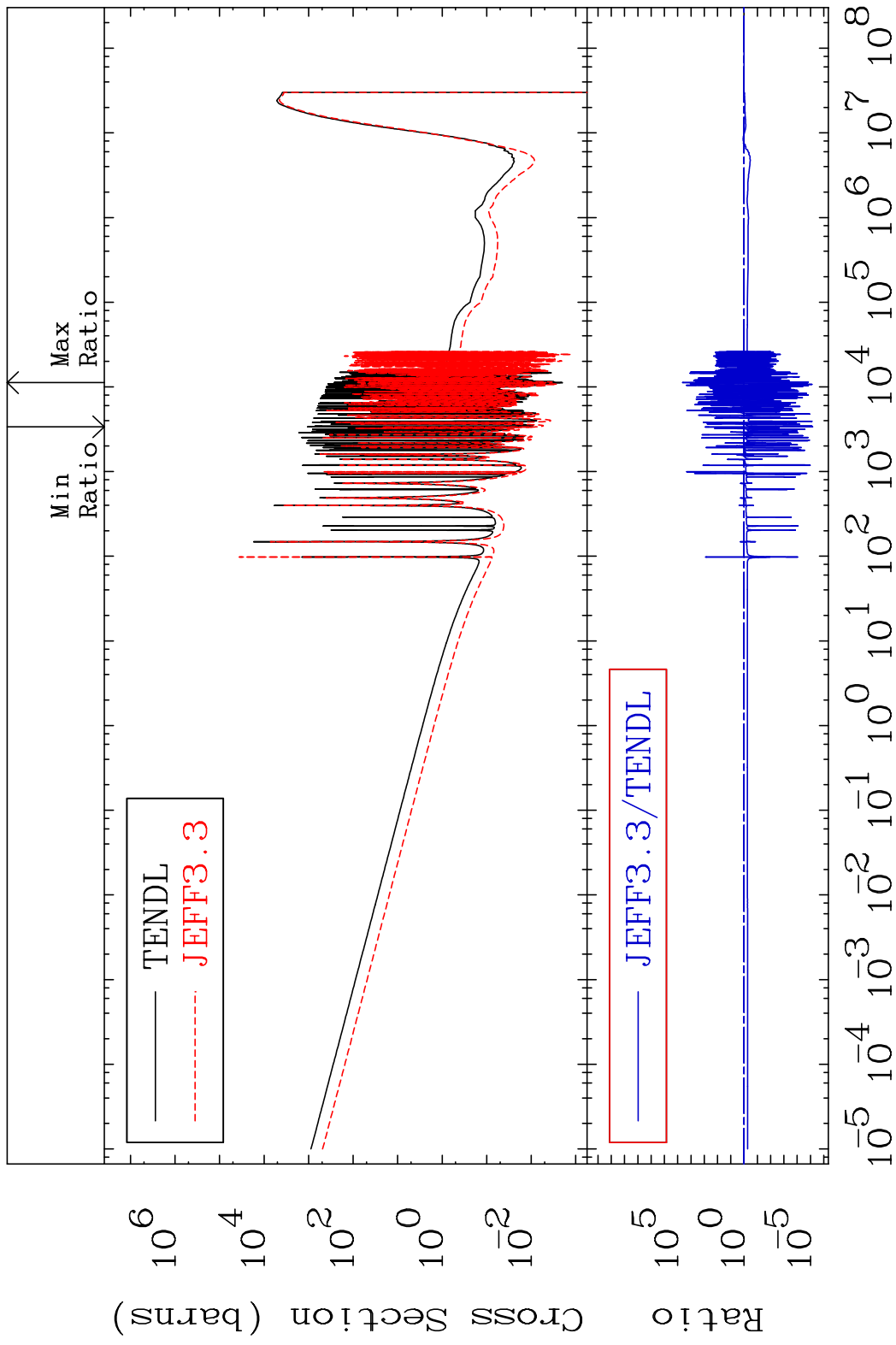


73

Incident Energy (eV)

70-Yb-176

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



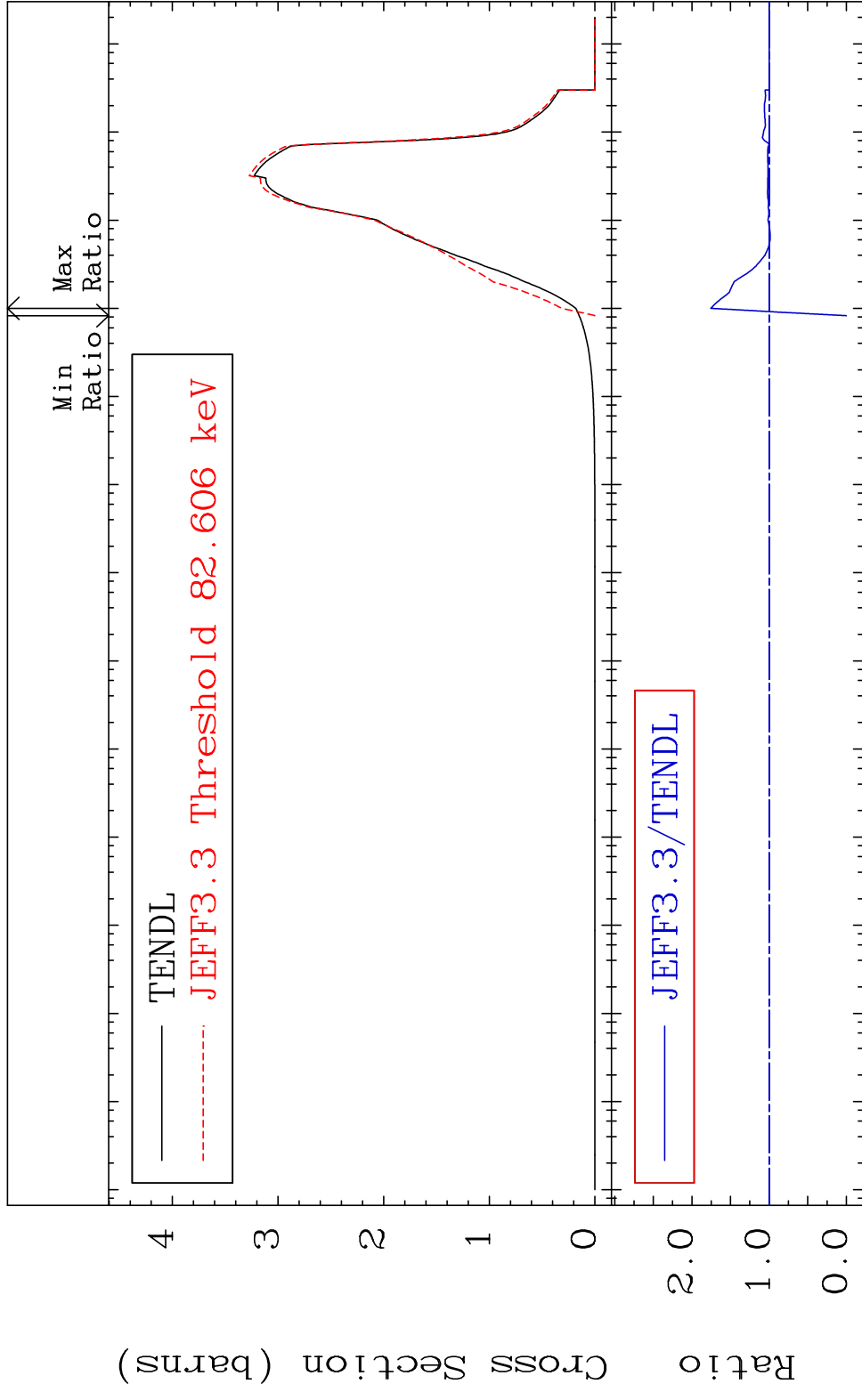
74 Incident Energy (eV) 70-Yb-176

MAT 7049

Inelastic: 70-Yb-176g

70-Yb-176

Radionuclide Production Cross Section (barns) 75.64 %

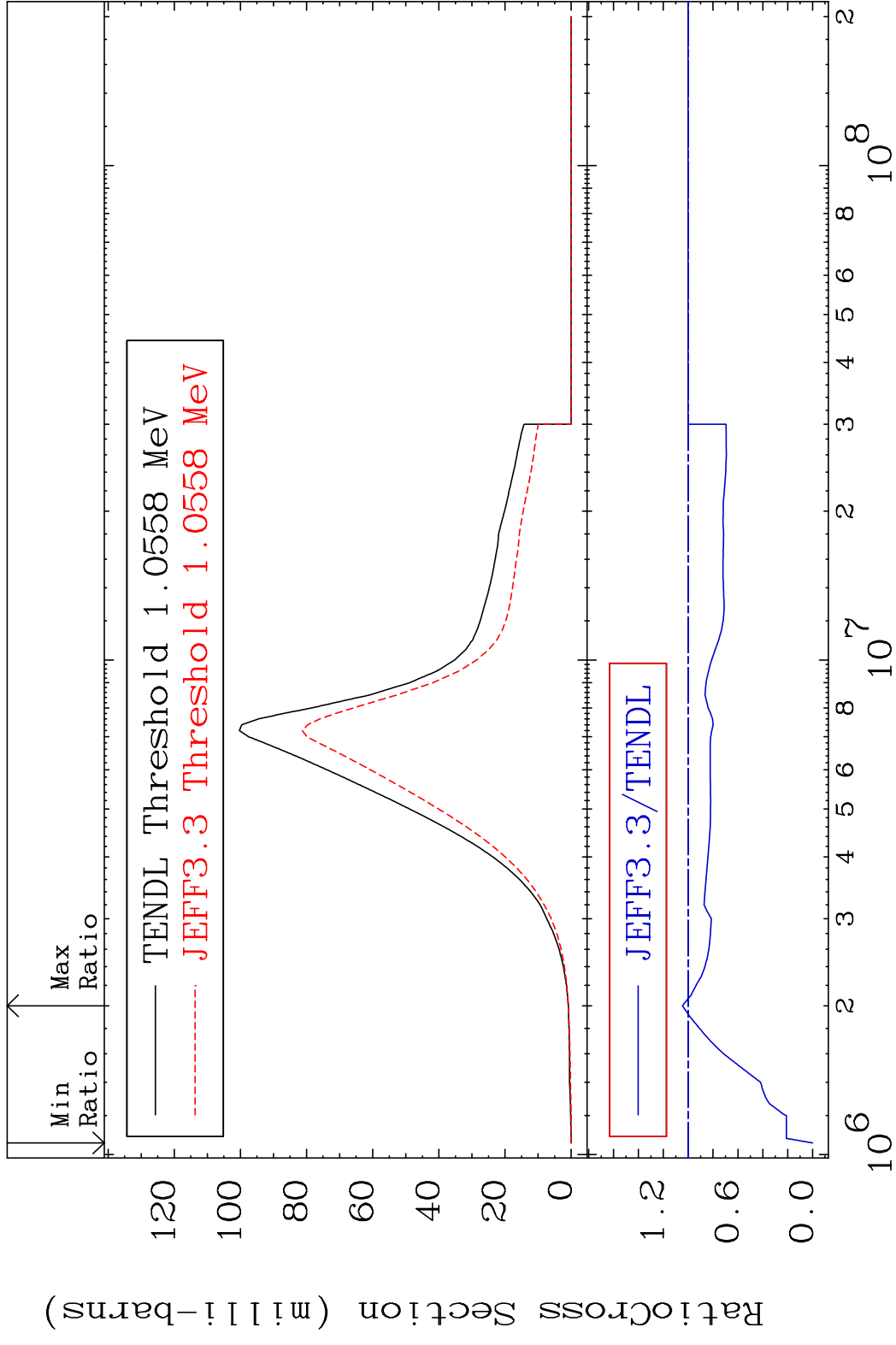


75

Incident Energy (eV)

70-Yb-176

MAT 7049 Inelastic: 70-Yb-176m5 70-Yb-176
 Radionuclide Production Cross Section 180.01 d10 4.675 %



76 Incident Energy (eV) 70-Yb-176