

Program Complot
(Version 2021-1)

by

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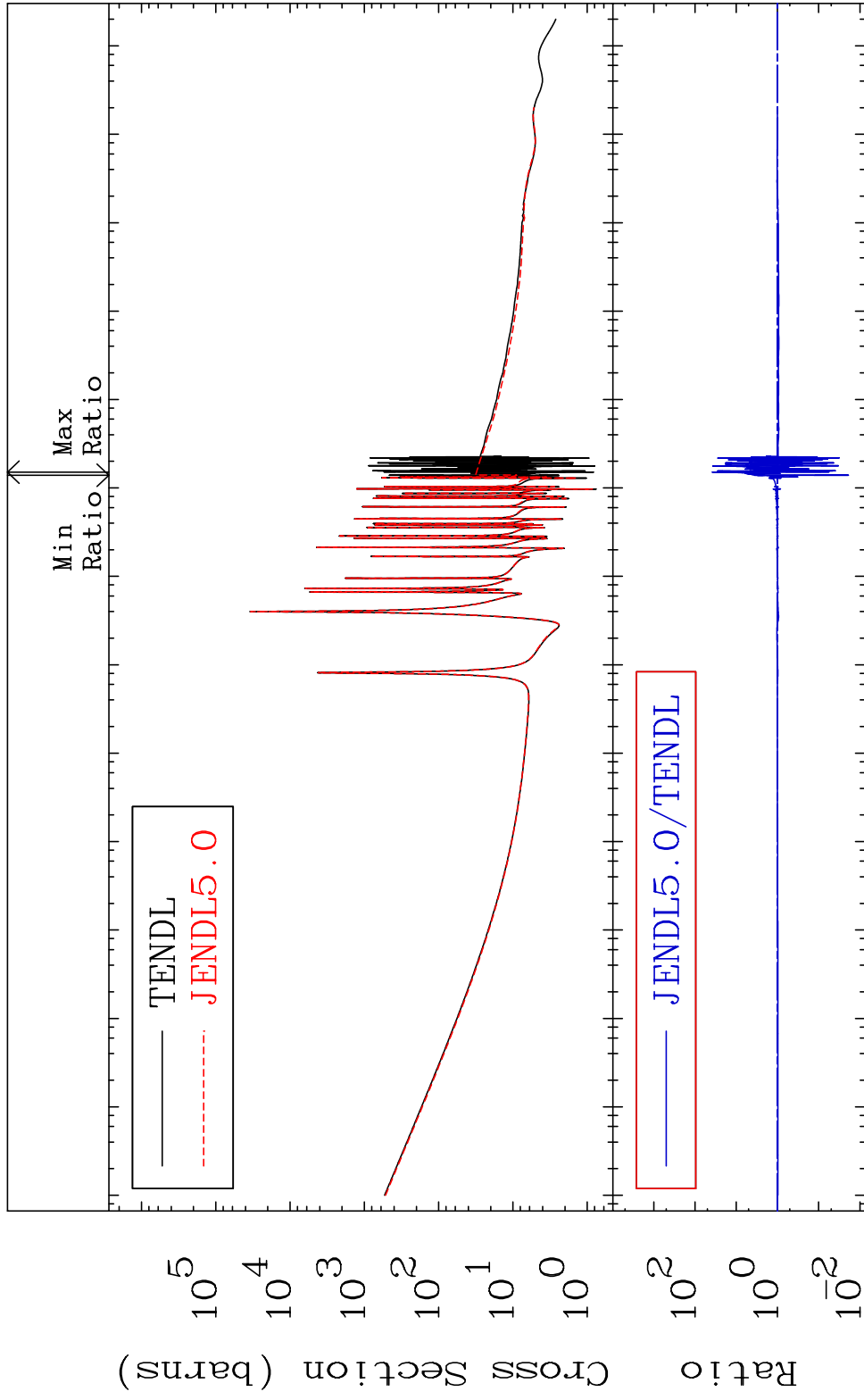
Press Mouse Button to Start

MAT 7031

Total

70-Yb-170

Cross Section -98.09 To 3692. %



1

Incident Energy (eV)

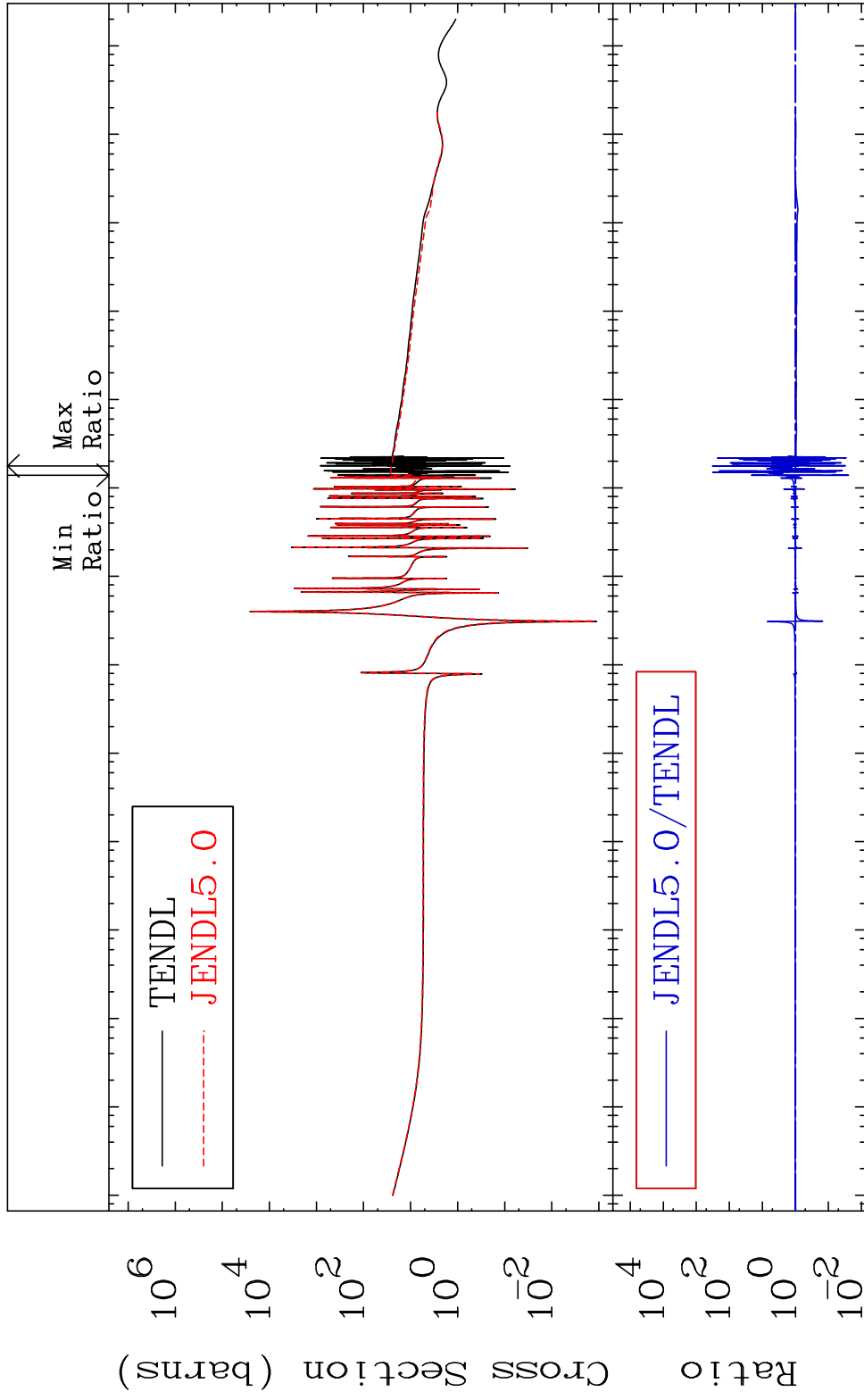
70-Yb-170

MAT 7031

Elastic

70-Yb-170

Cross Section -97.50 To 9999. %

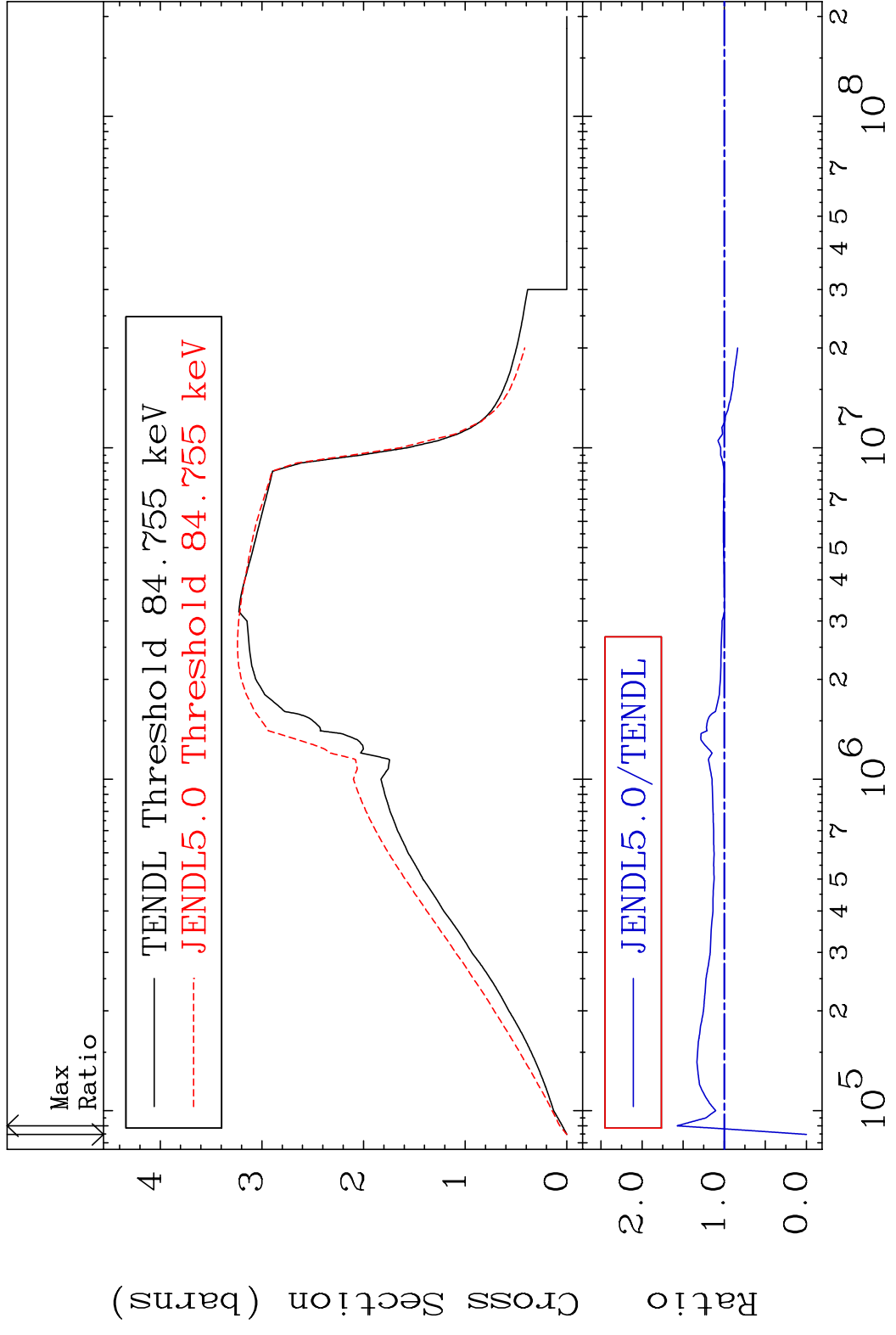


2

Incident Energy (eV)

70-Yb-170

MAT 7031 Inelastic Cross Section -100.0 To 57.31 % 70-Yb-170



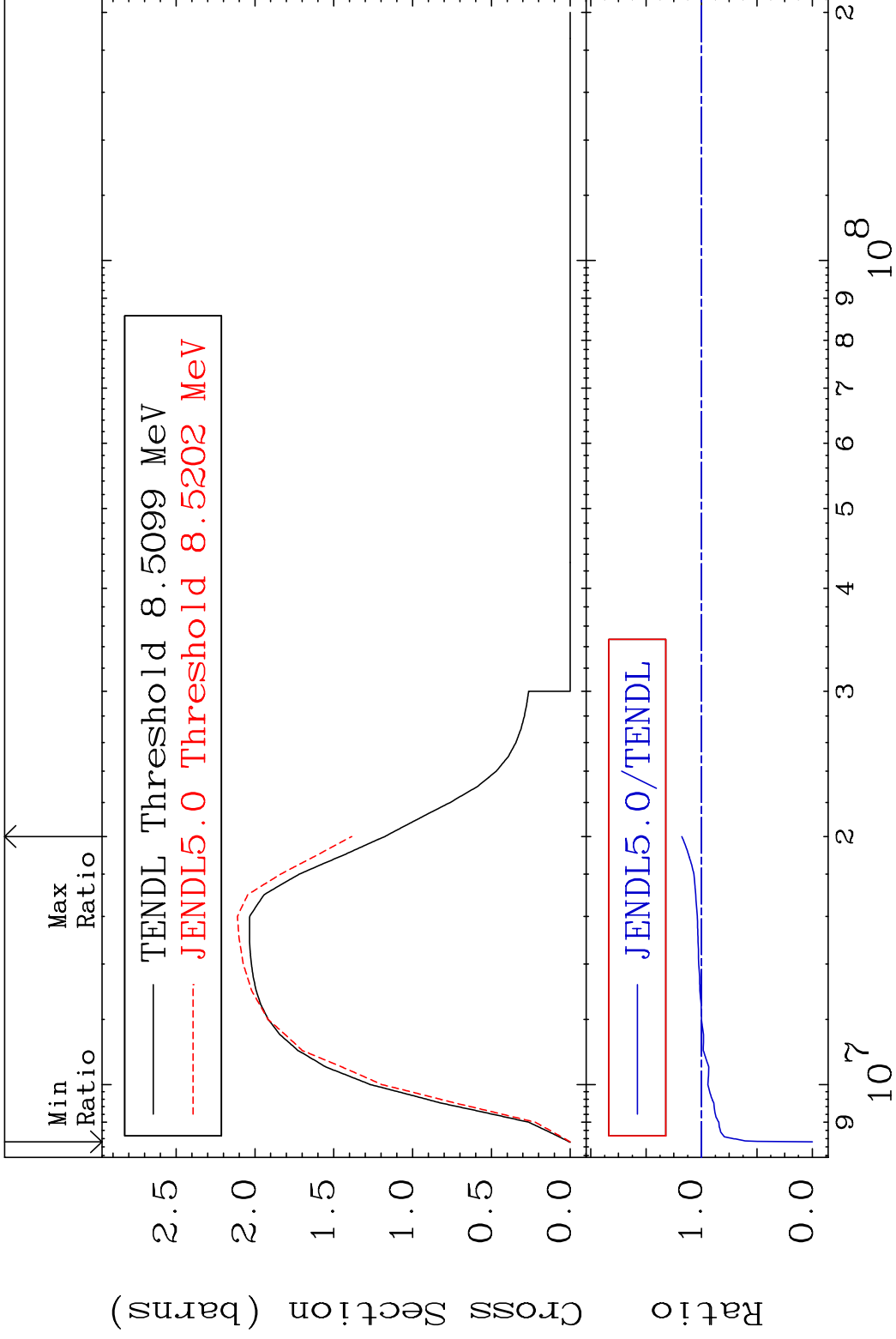
3 Incident Energy (eV) 70-Yb-170

MAT 7031

(n,2n)

70-Yb-170

Cross Section -100.0 To 17.87 %



4

Incident Energy (eV)

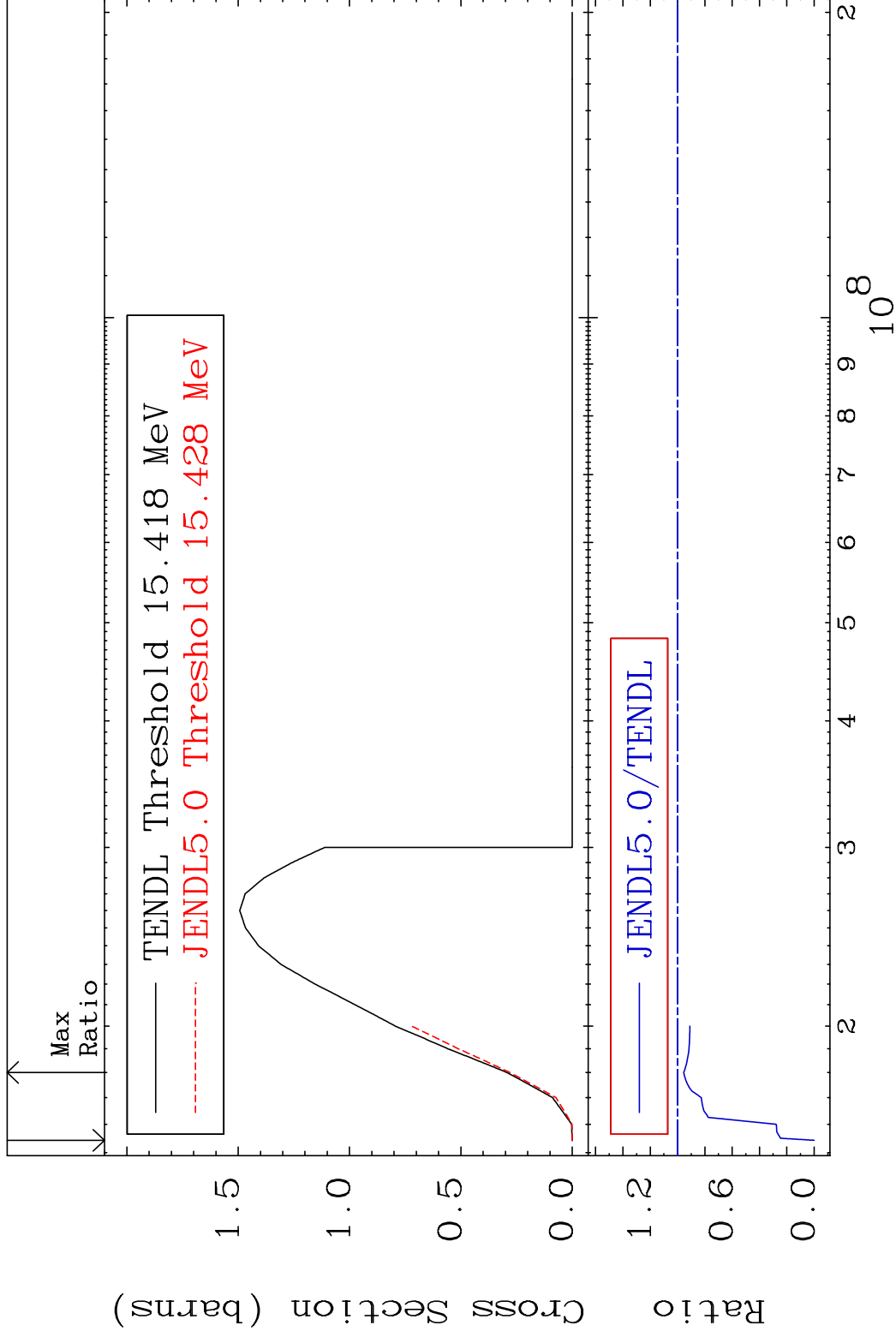
70-Yb-170

MAT 7031

(n,3n)

70-Yb-170

Cross Section -100.0 To -4.481%



5

Incident Energy (eV)

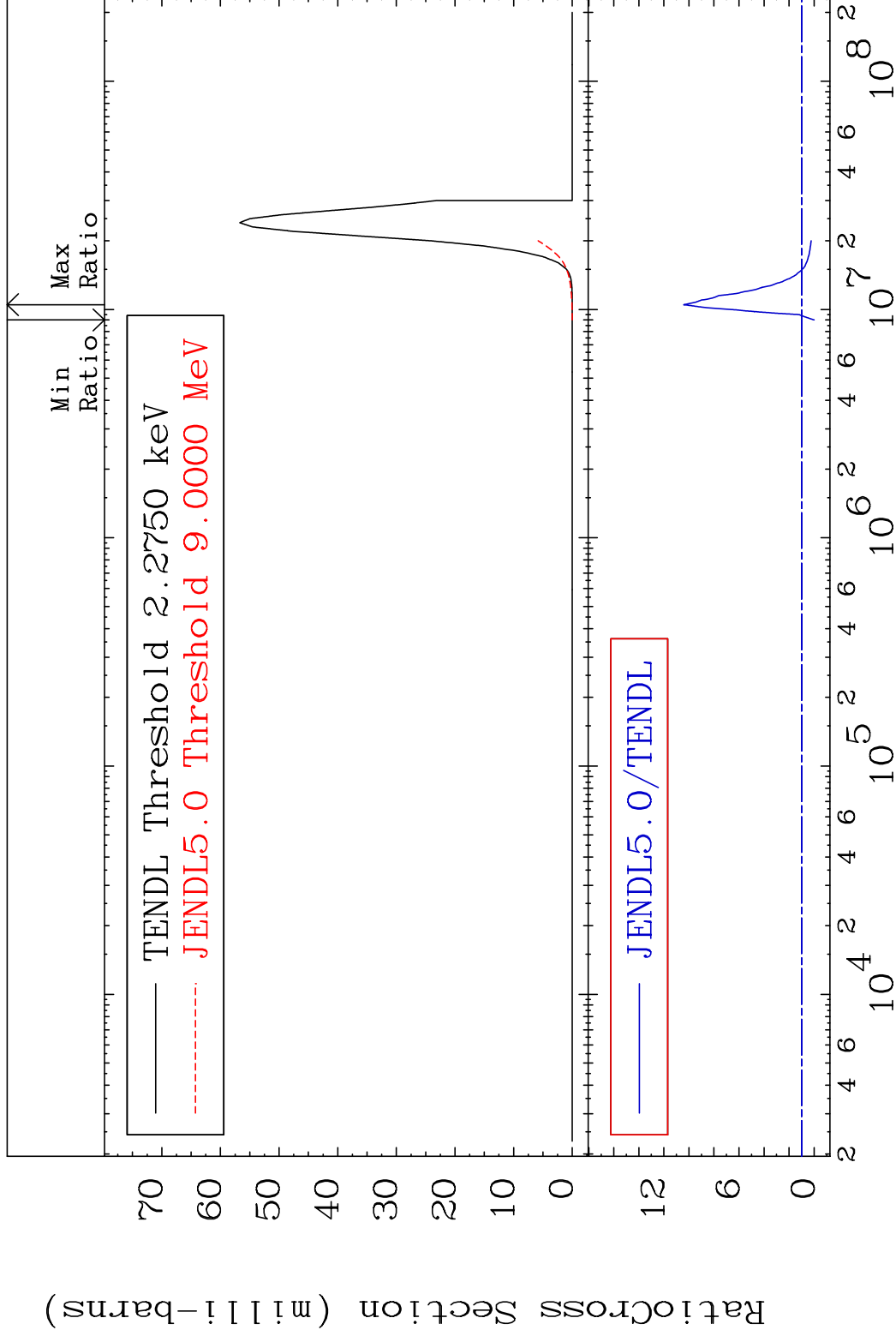
70-Yb-170

MAT 7031

(n, n') α

70-Yb-170

Cross Section -100.0 To 942.0 %



6

Incident Energy (eV)

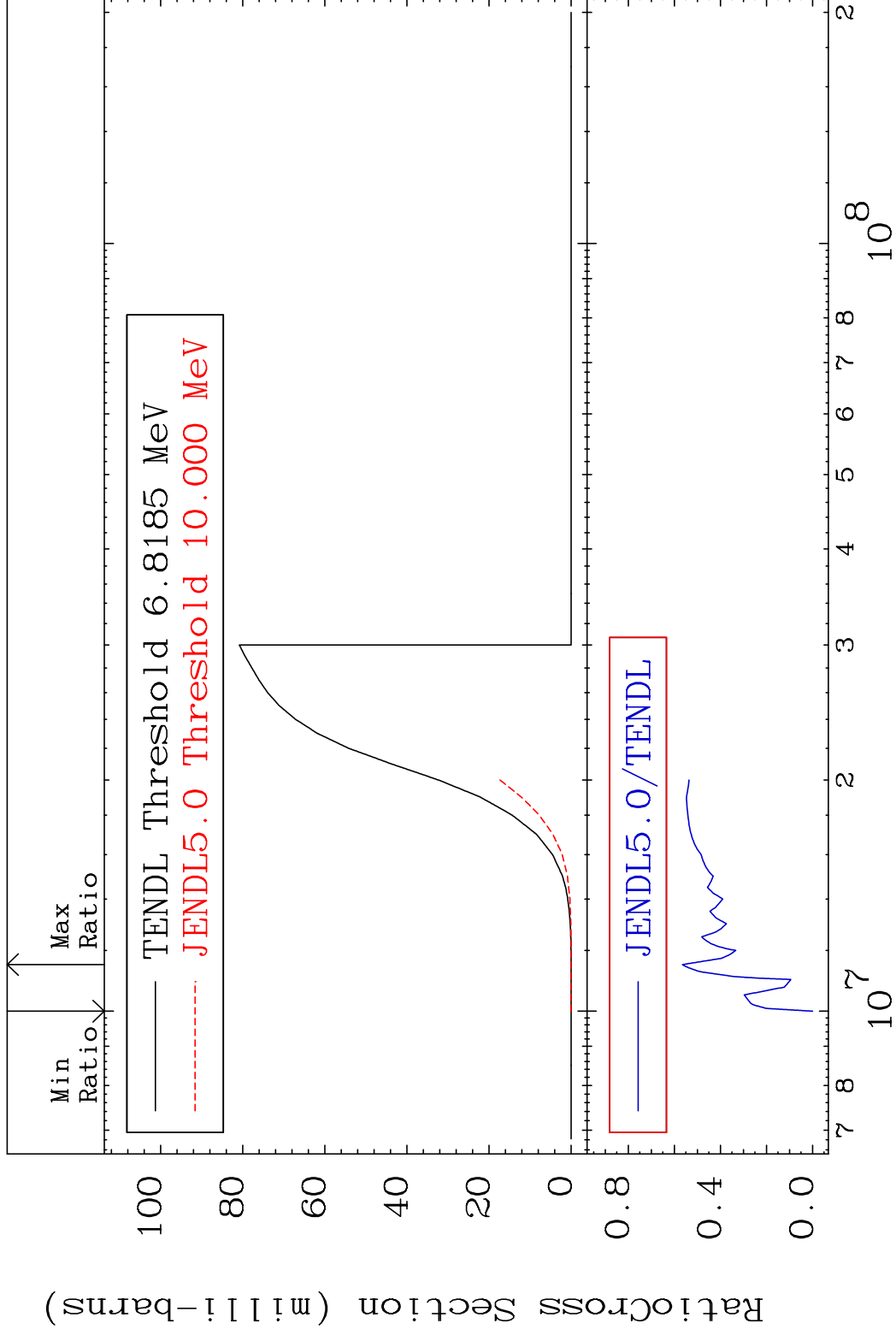
70-Yb-170

MAT 7031

(n, n') p

70-Yb-170

Cross Section -100.0 To -43.47%



7

Incident Energy (eV)

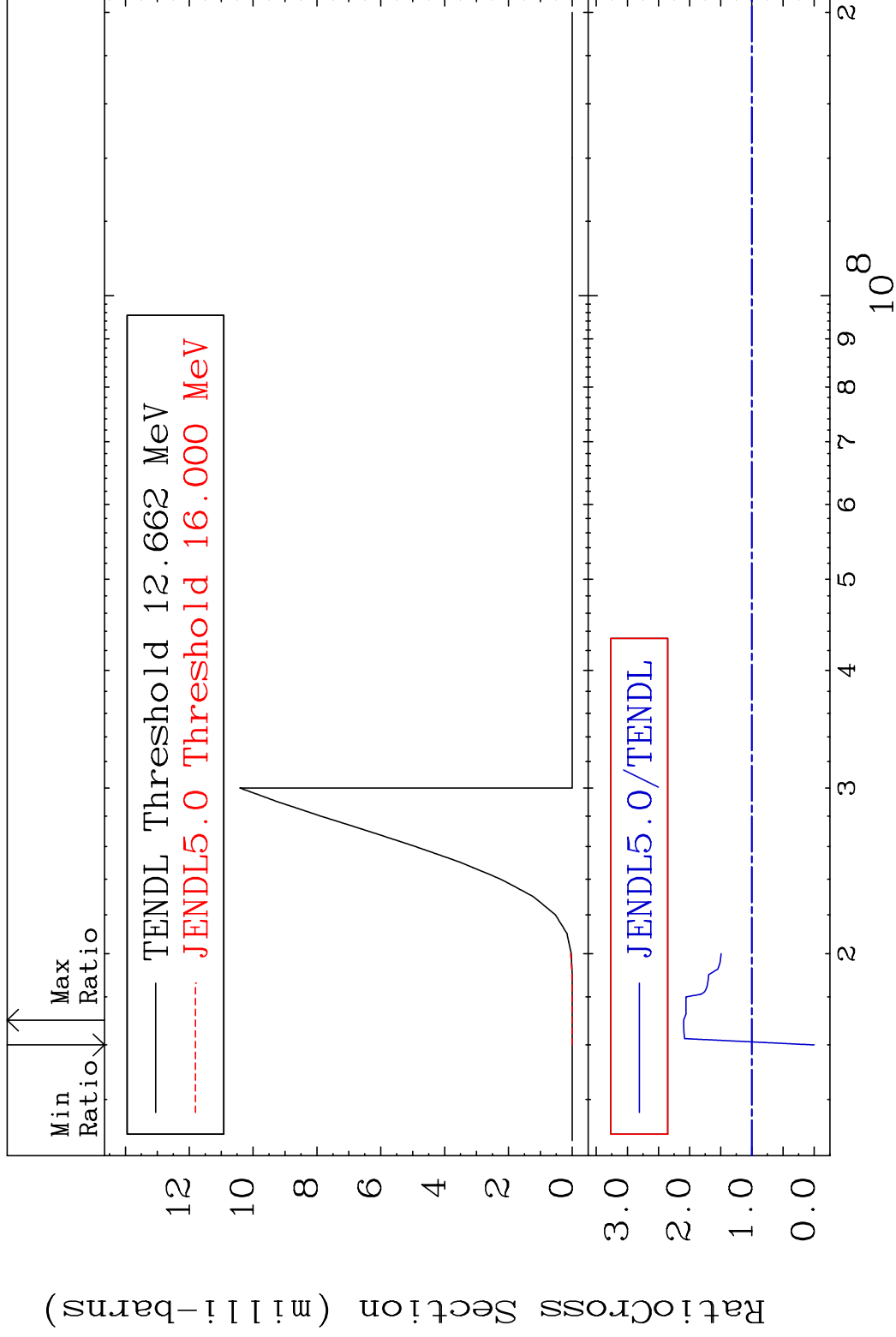
70-Yb-170

MAT 7031

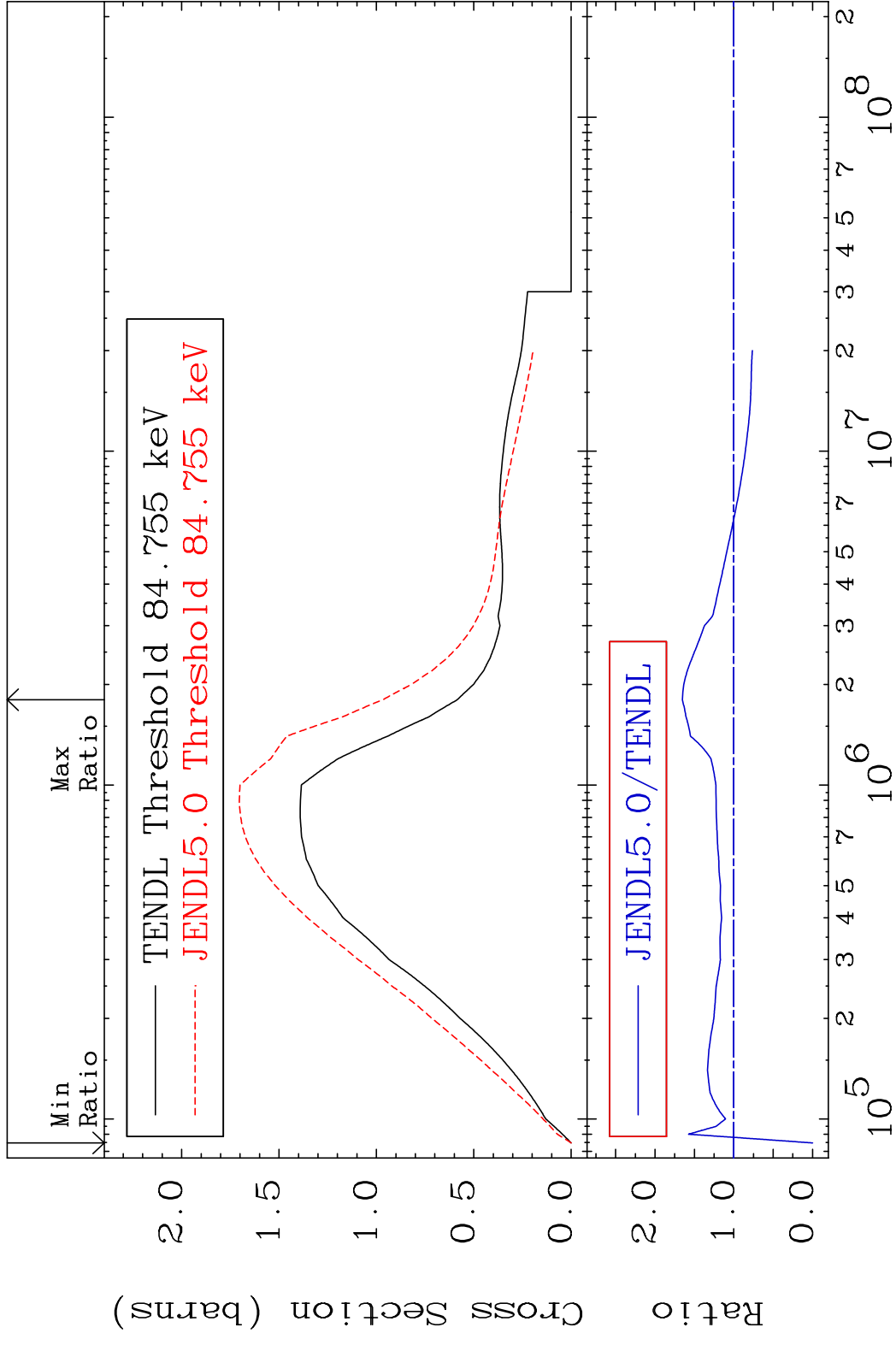
(n, n') d

70-Yb-170

Cross Section -100.0 To 109.6 %

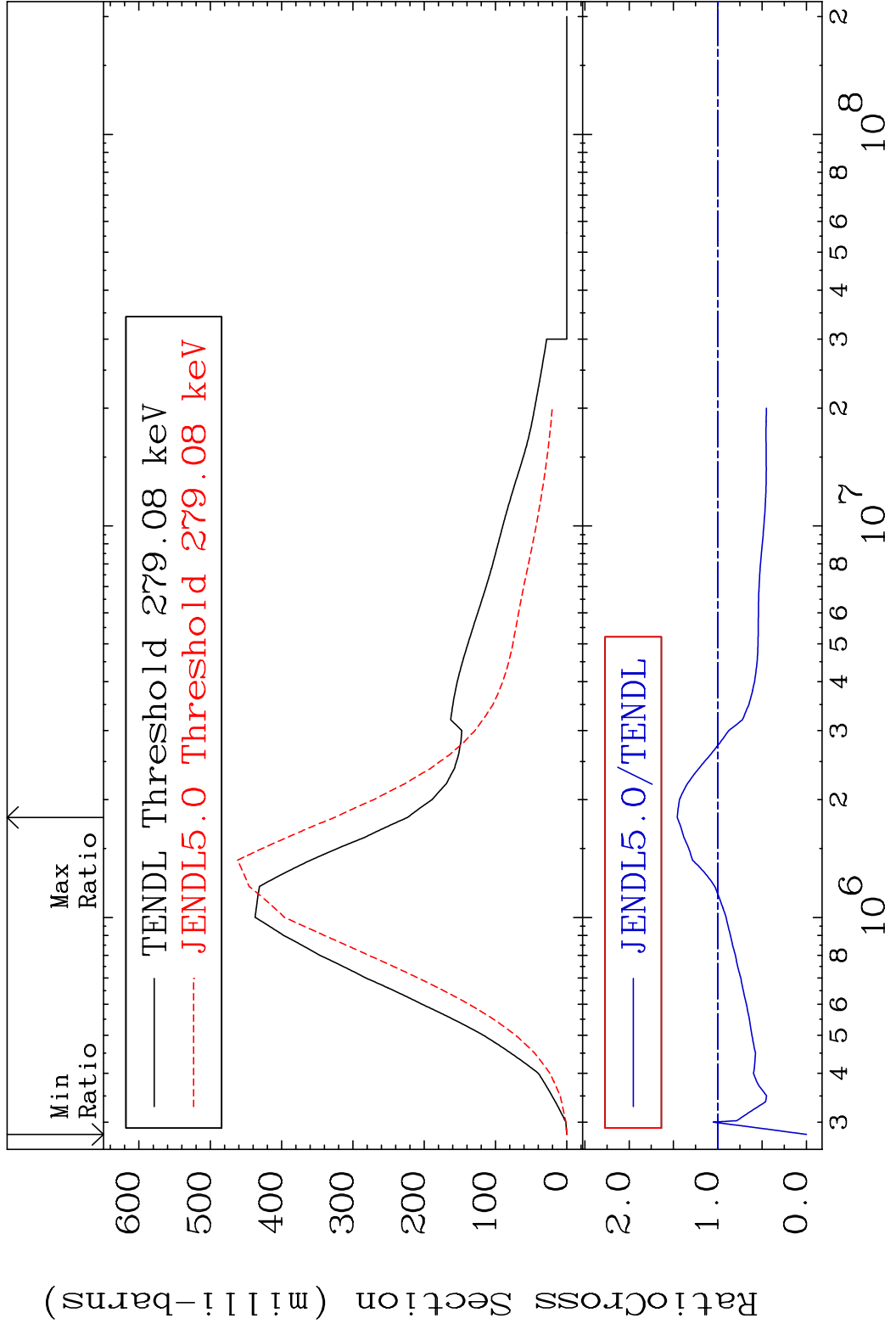


MAT 7031 MT= 51 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 65.29 %



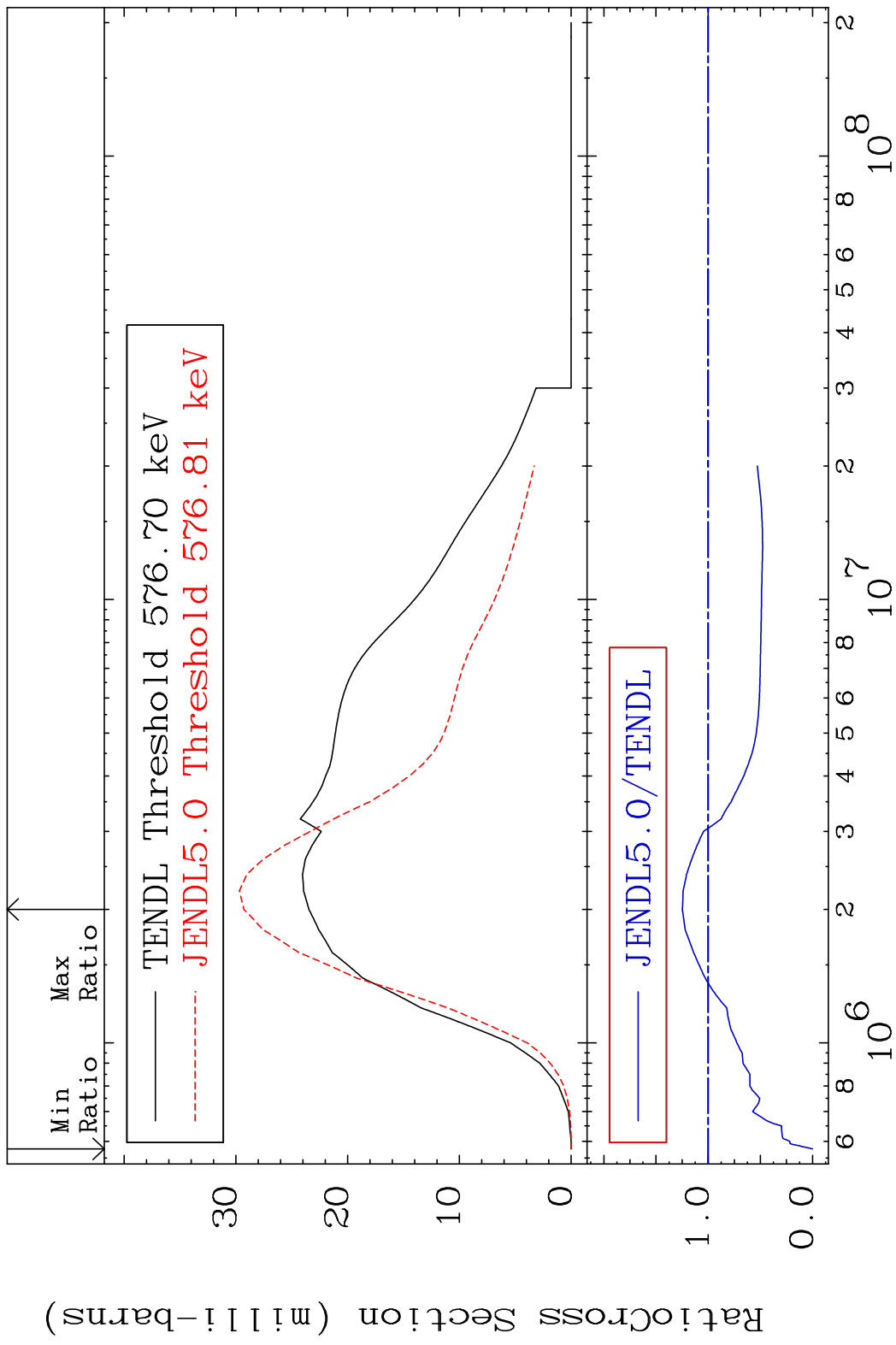
9 70-Yb-170

MAT 7031 MT= 52 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 45.79 %



10 2

MAT 7031 MT= 53 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 24.78 %

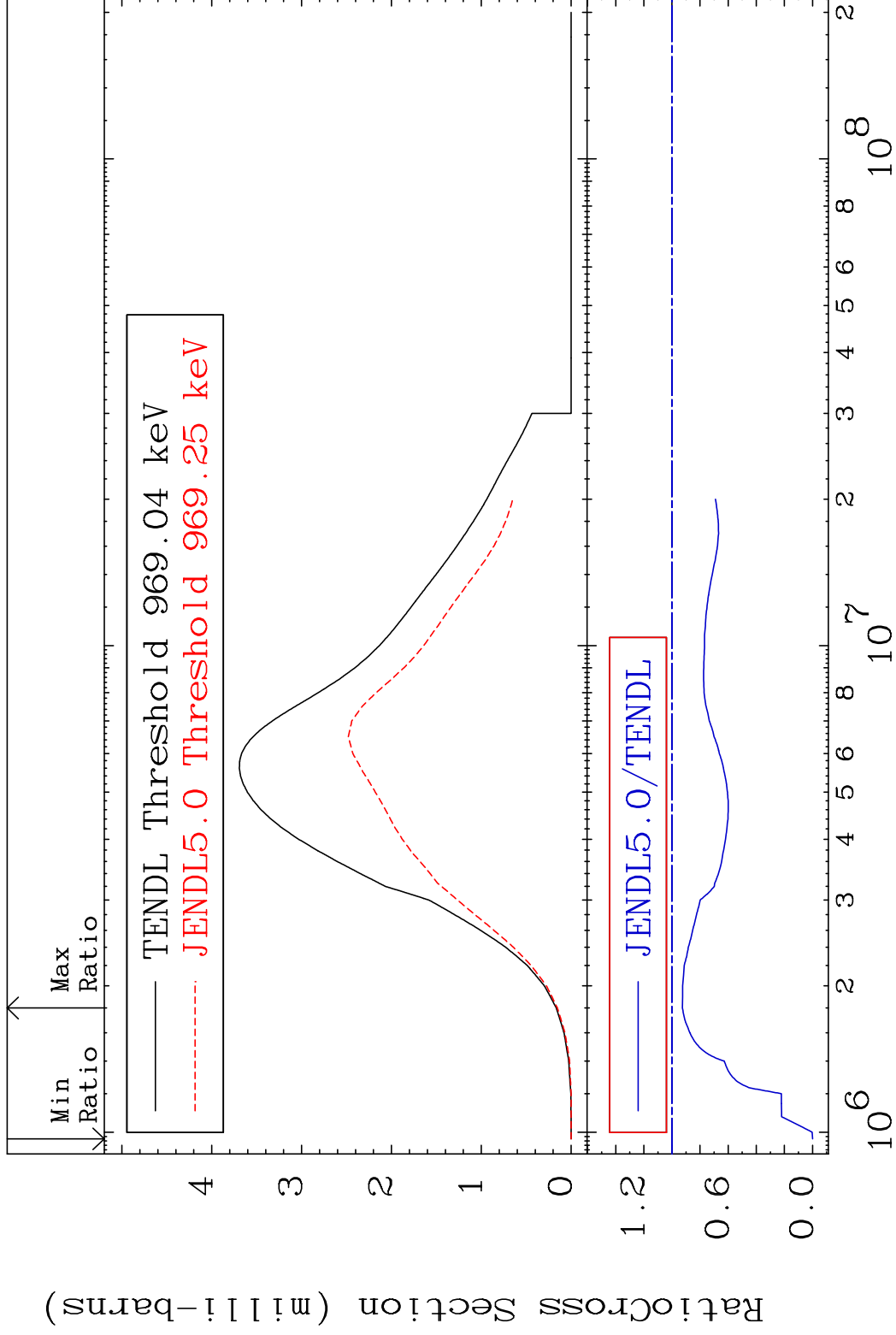


MAT 7031

MT= 54 (n,n') Level

70-Yb-170

Cross Section -100.0 To -7.408%

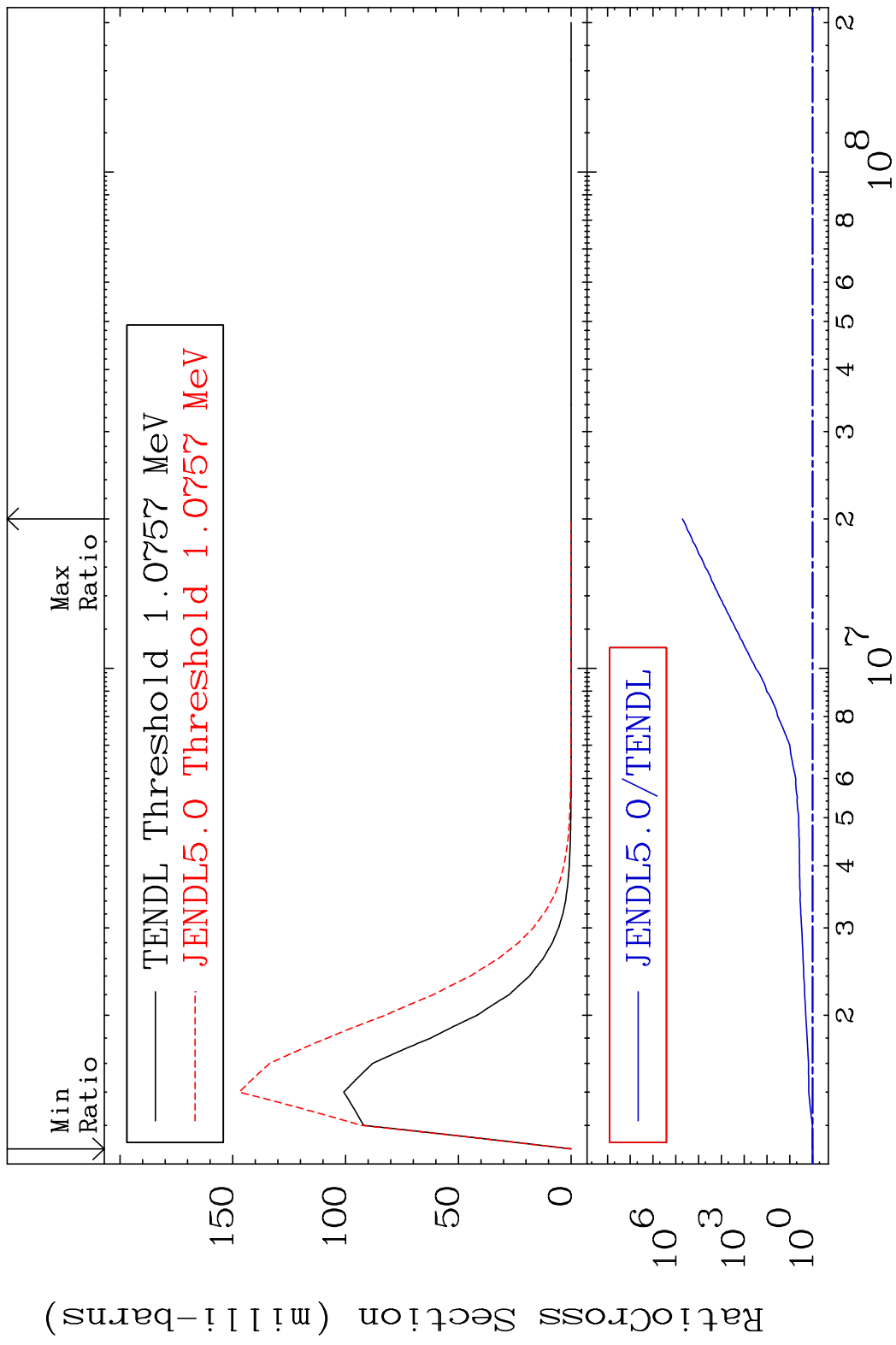


12

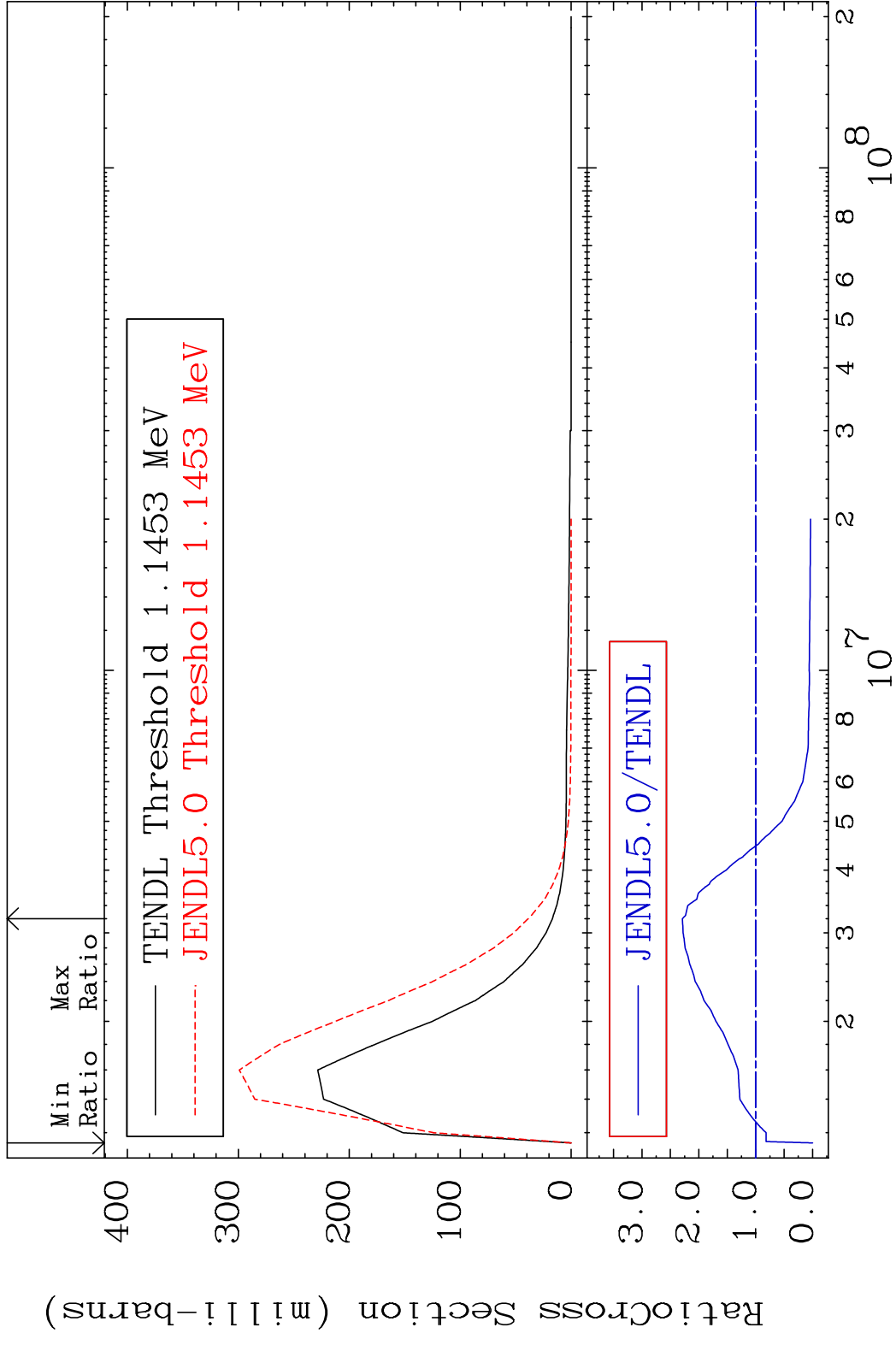
Incident Energy (eV)

70-Yb-170

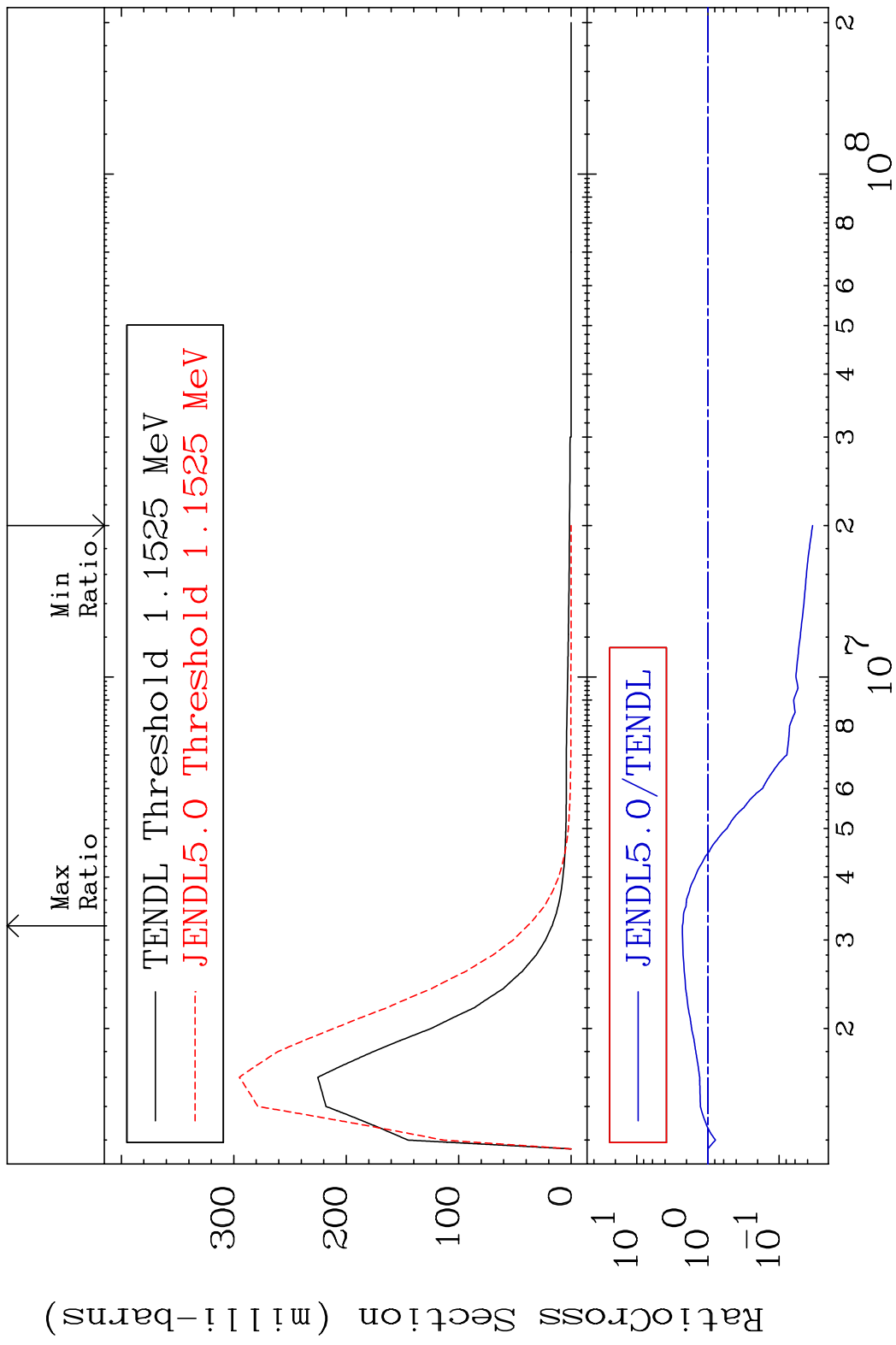
MAT 7031 MT= 55 (n, n') Level 70-Yb-170
 Cross Section 0.000 To 9999. %



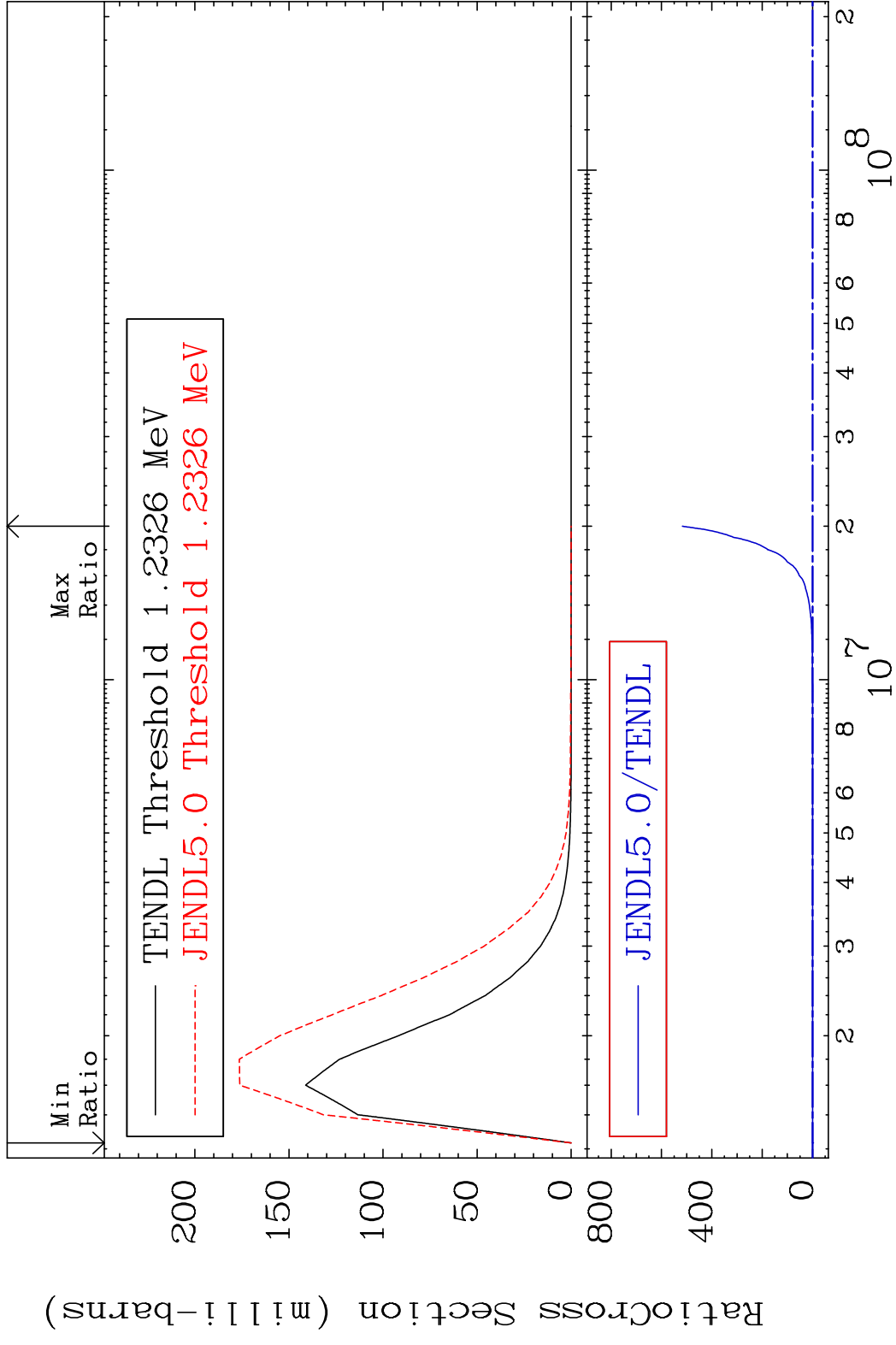
MAT 7031 MT= 56 (n,n') Level 70-Yb-170
 Cross Section -100.0 To 128.9 %



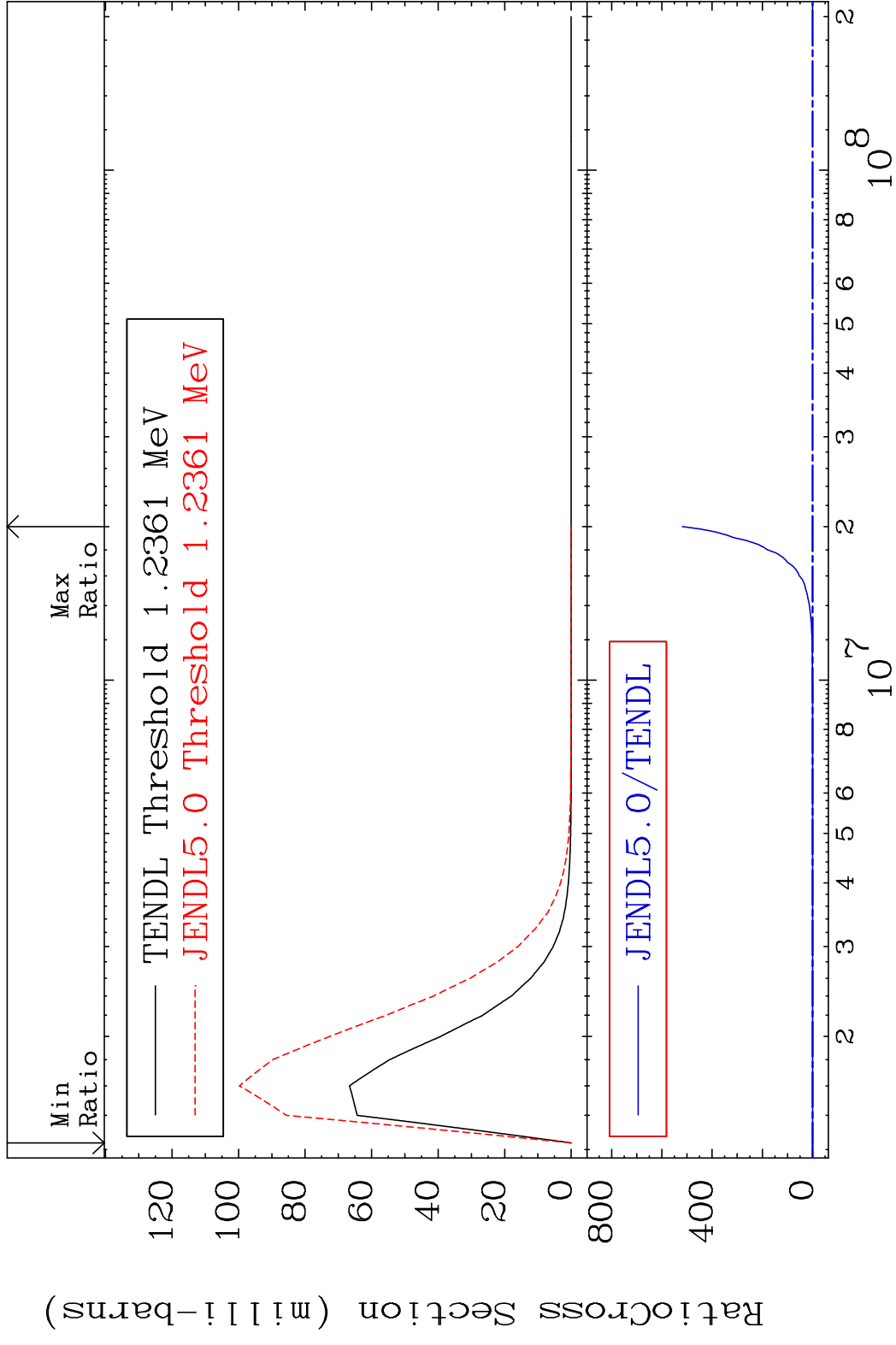
MAT 7031 MT= 57 (n, n') Level 70-Yb-170
 Cross Section -96.60 To 128.7 %



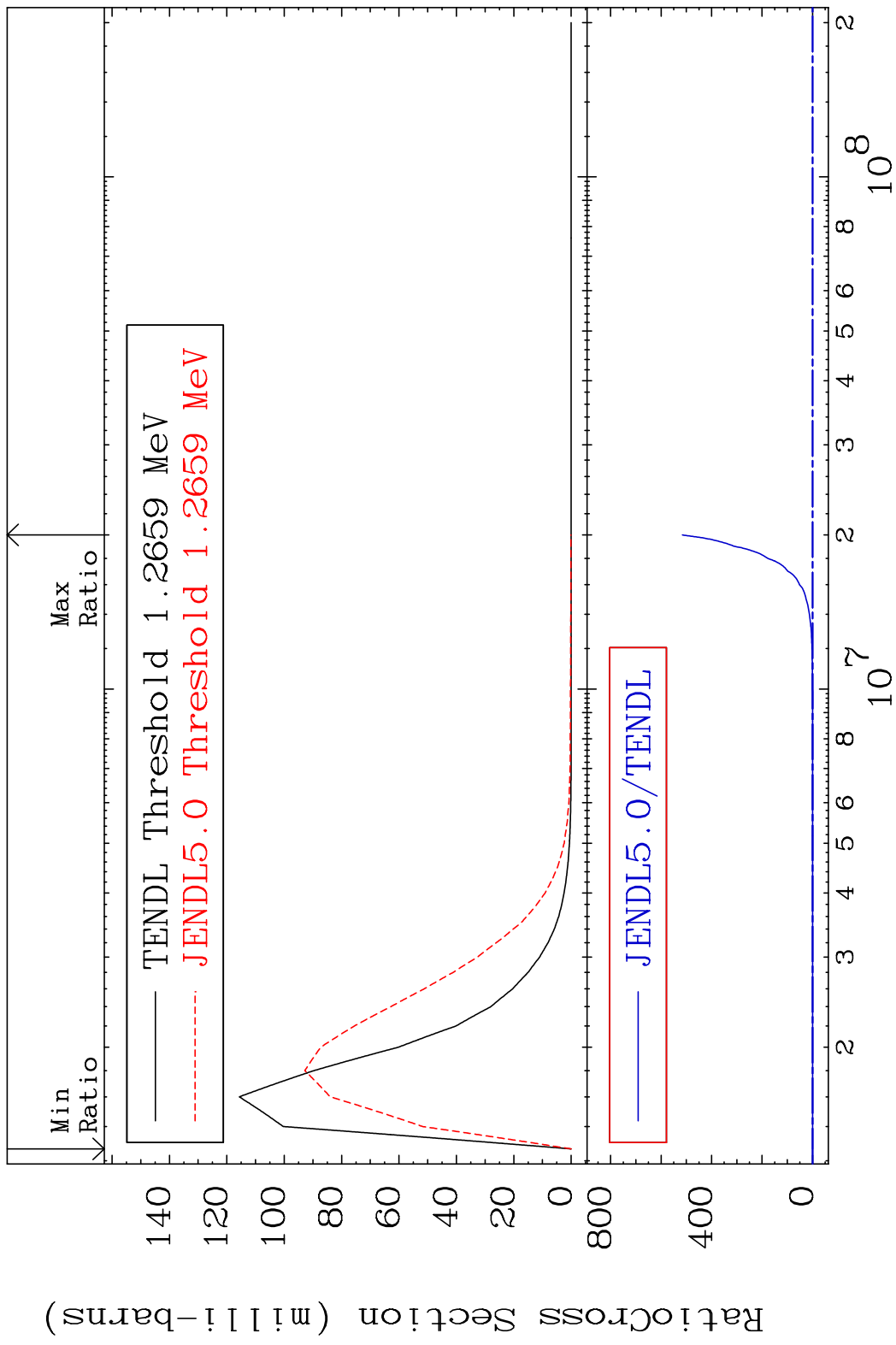
MAT 7031 MT= 58 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 9999. %



MAT 7031 MT= 59 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 9999. %



MAT 7031 MT= 60 (n, n') Level 70-Yb-170
 Cross Section -100.0 To 9999. %

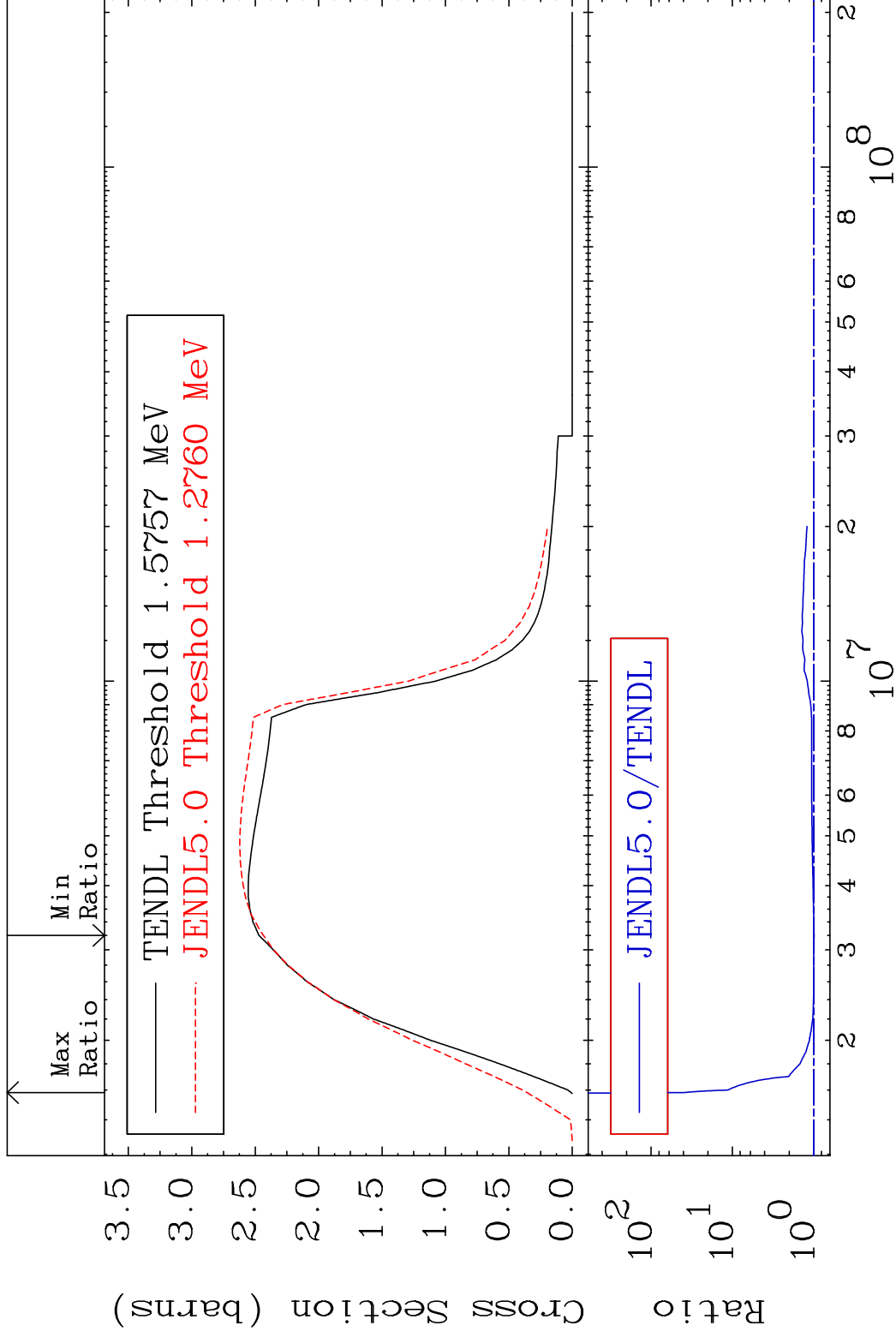


MAT 7031

(n, n') Continuum

70-Yb-170

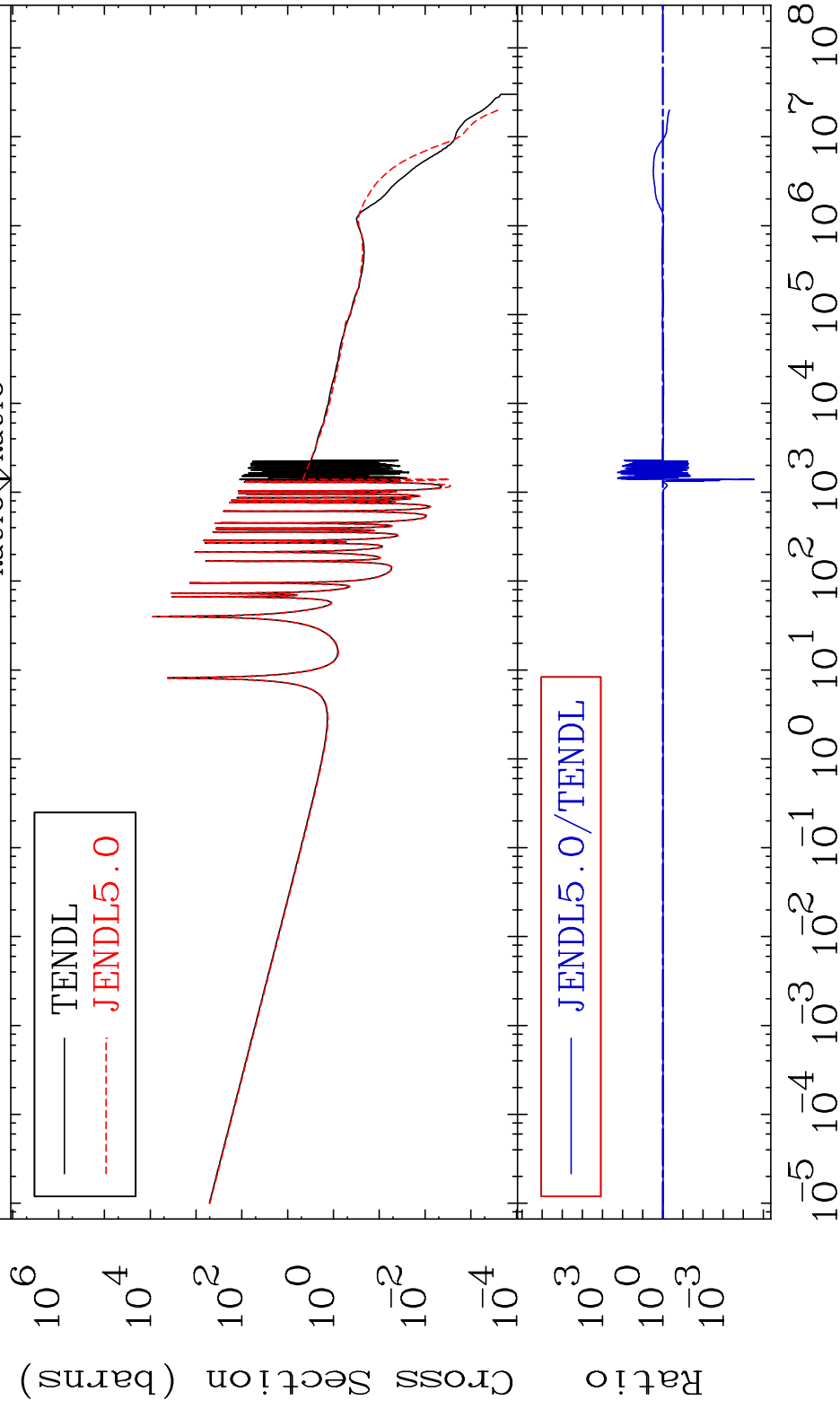
Cross Section -1.442 To 3876. %



MAT 7031

(n, γ)
Cross Section -100.0 To 9999. %

70-Yb-170



20

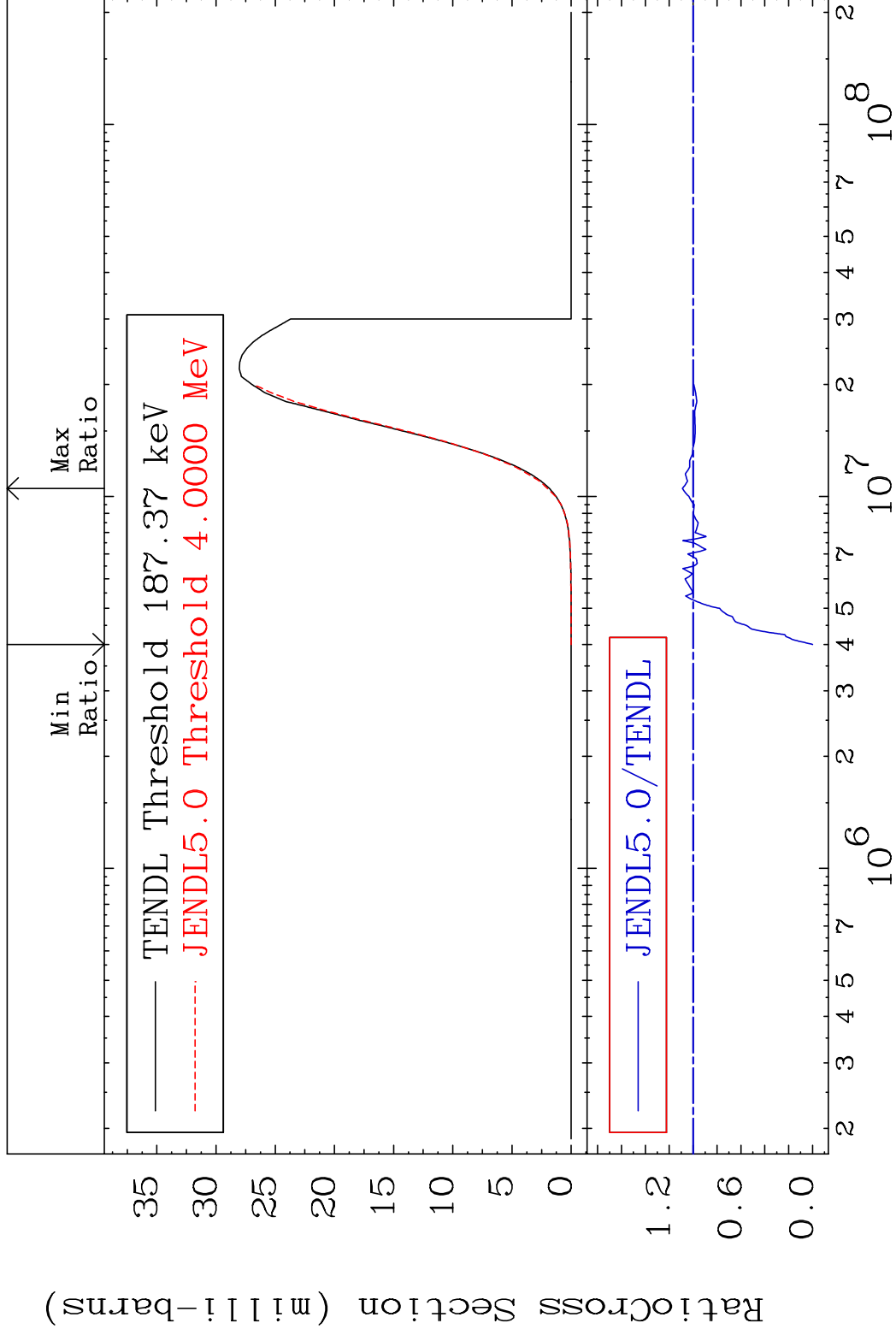
Incident Energy (eV) 70-Yb-170

MAT 7031

(n, p)

70-Yb-170

Cross Section -100.0 To 9.039 %

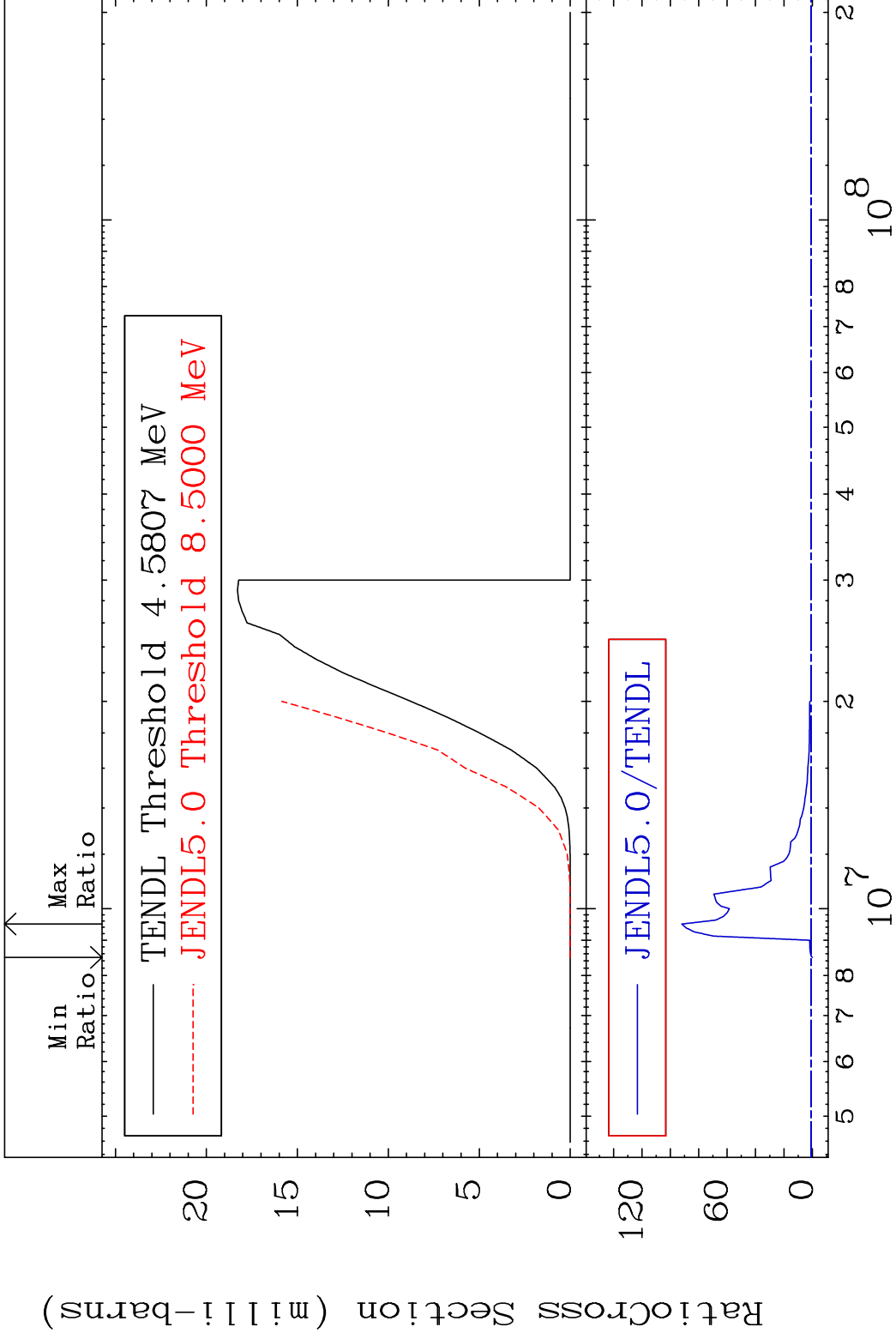


MAT 7031

(n,d)

70-Yb-170

Cross Section -100.0 To 9096. %

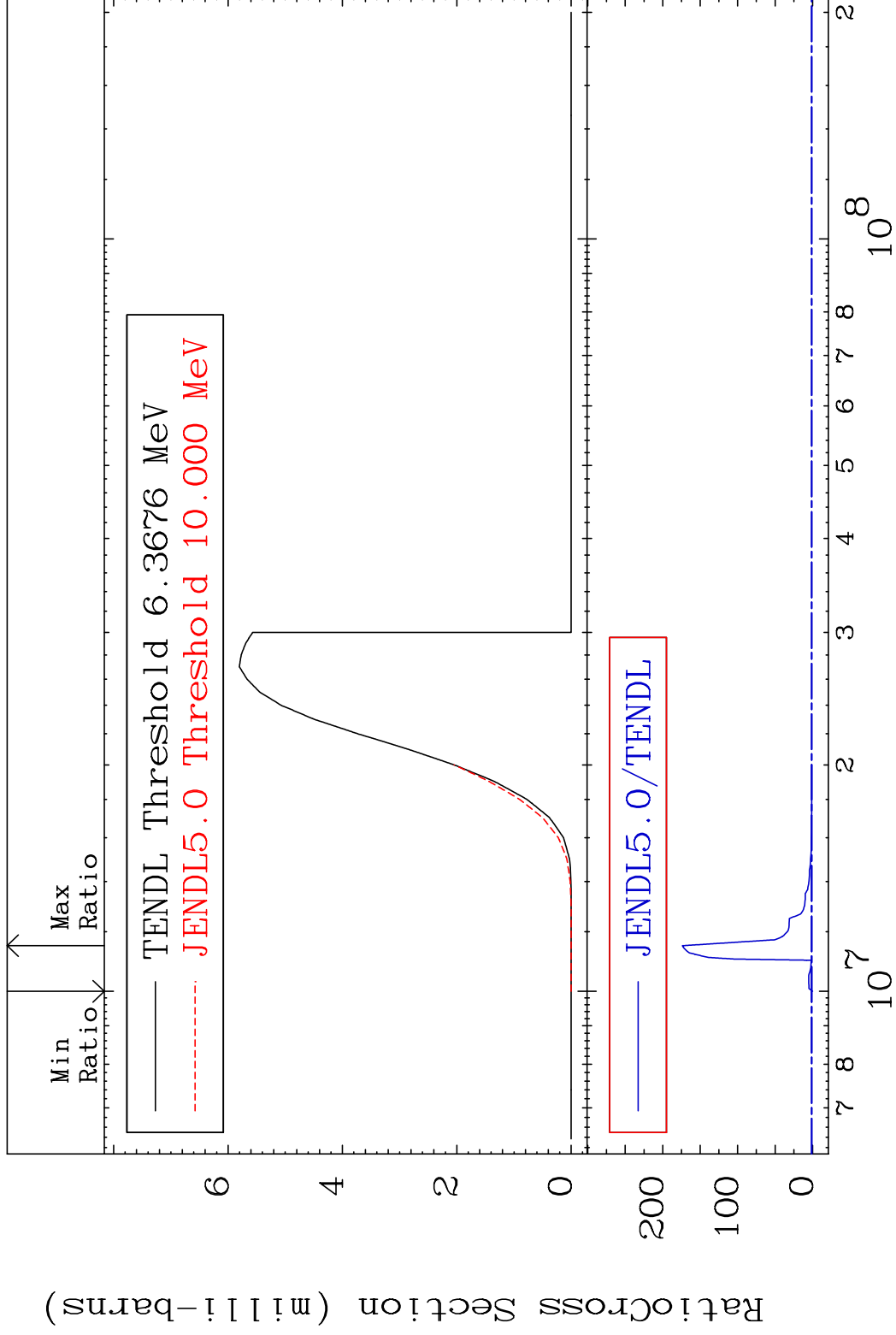


MAT 7031

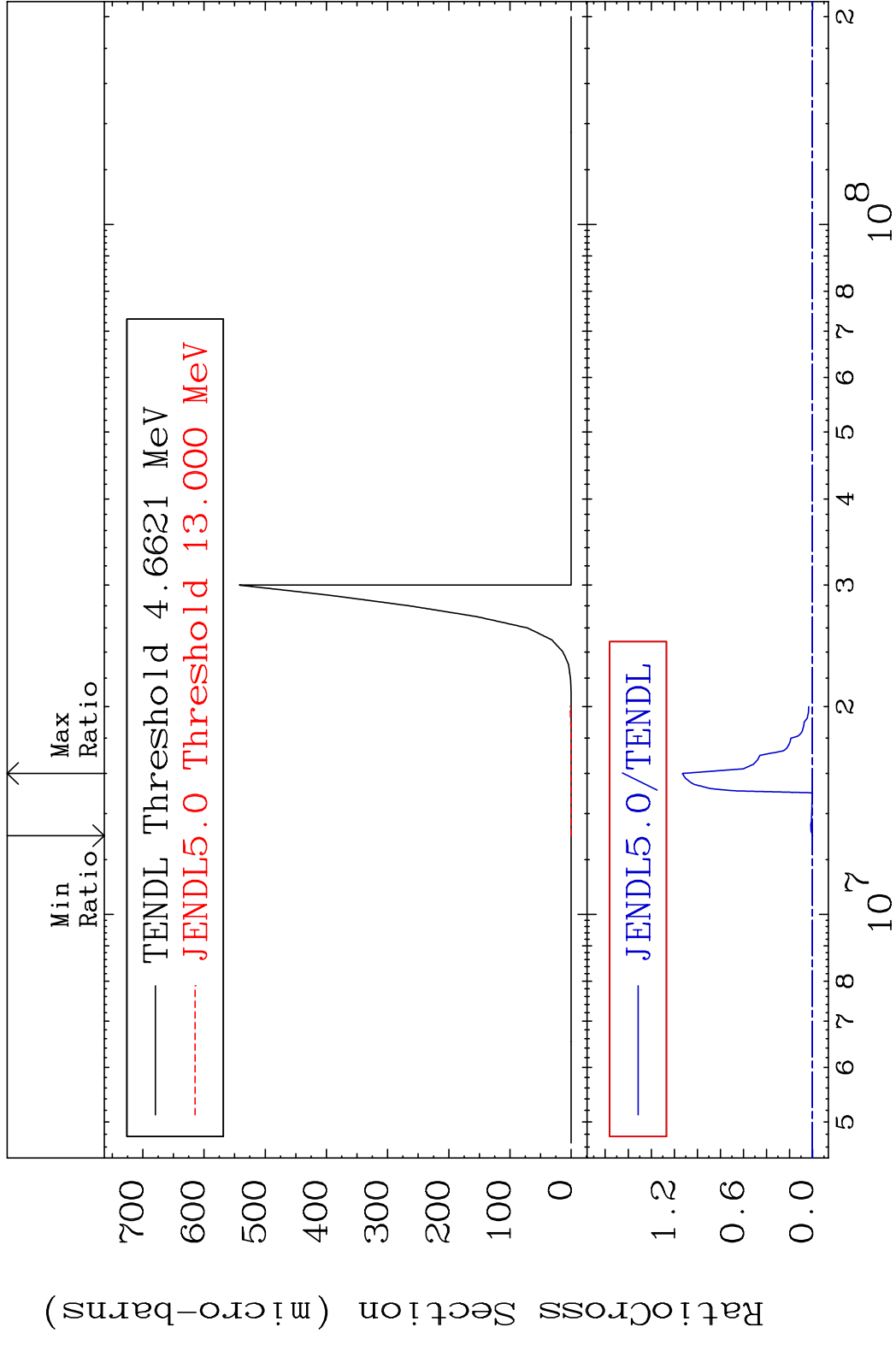
(n, t)

70-Yb-170

Cross Section -100.0 To 9999. %



MAT 7031 (n, He-3) 70-Yb-170
 Cross Section -100.0 To 9999. %

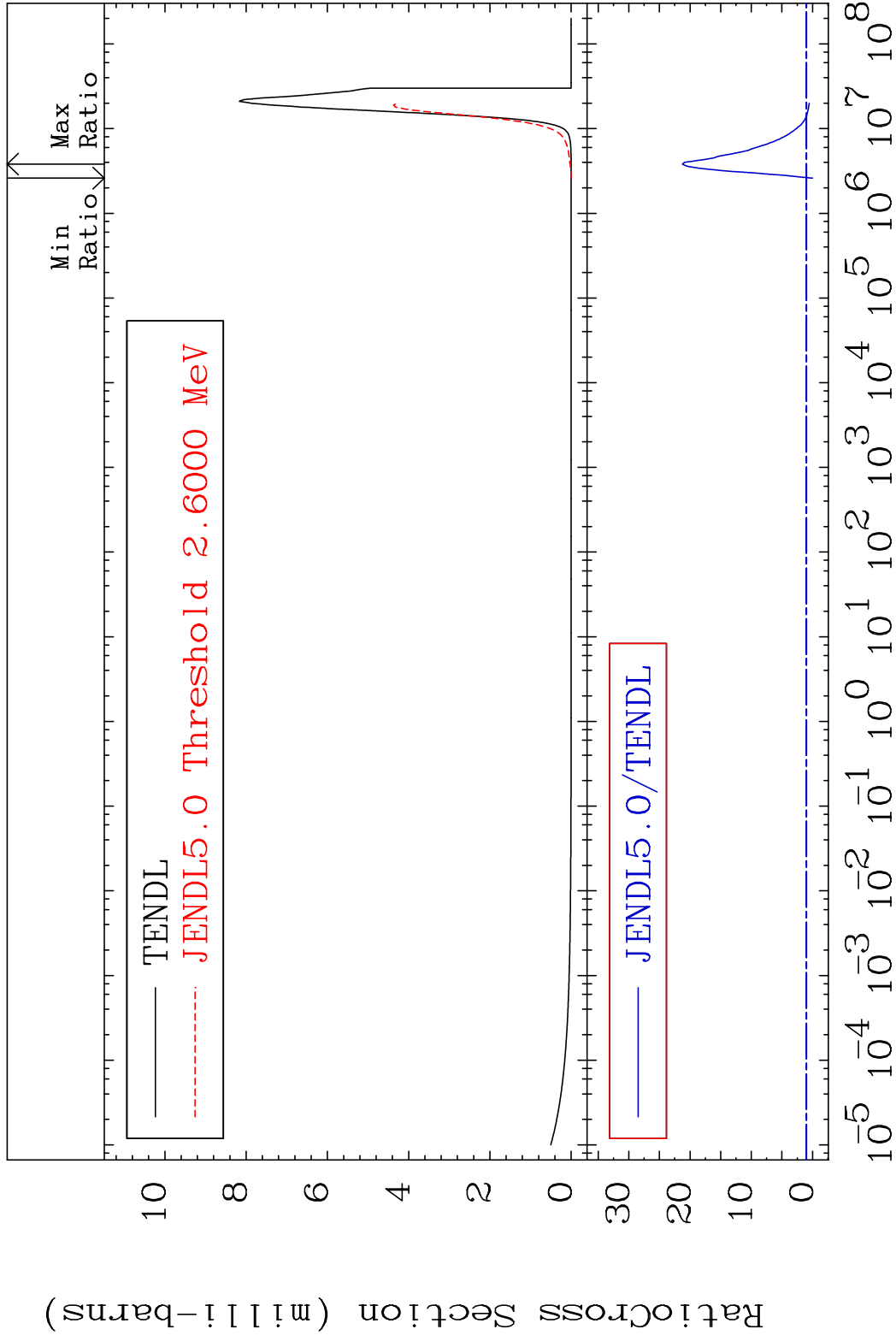


MAT 7031

(n, α)

70-Yb-170

Cross Section -100.0 To 2026. %



25

Incident Energy (eV)

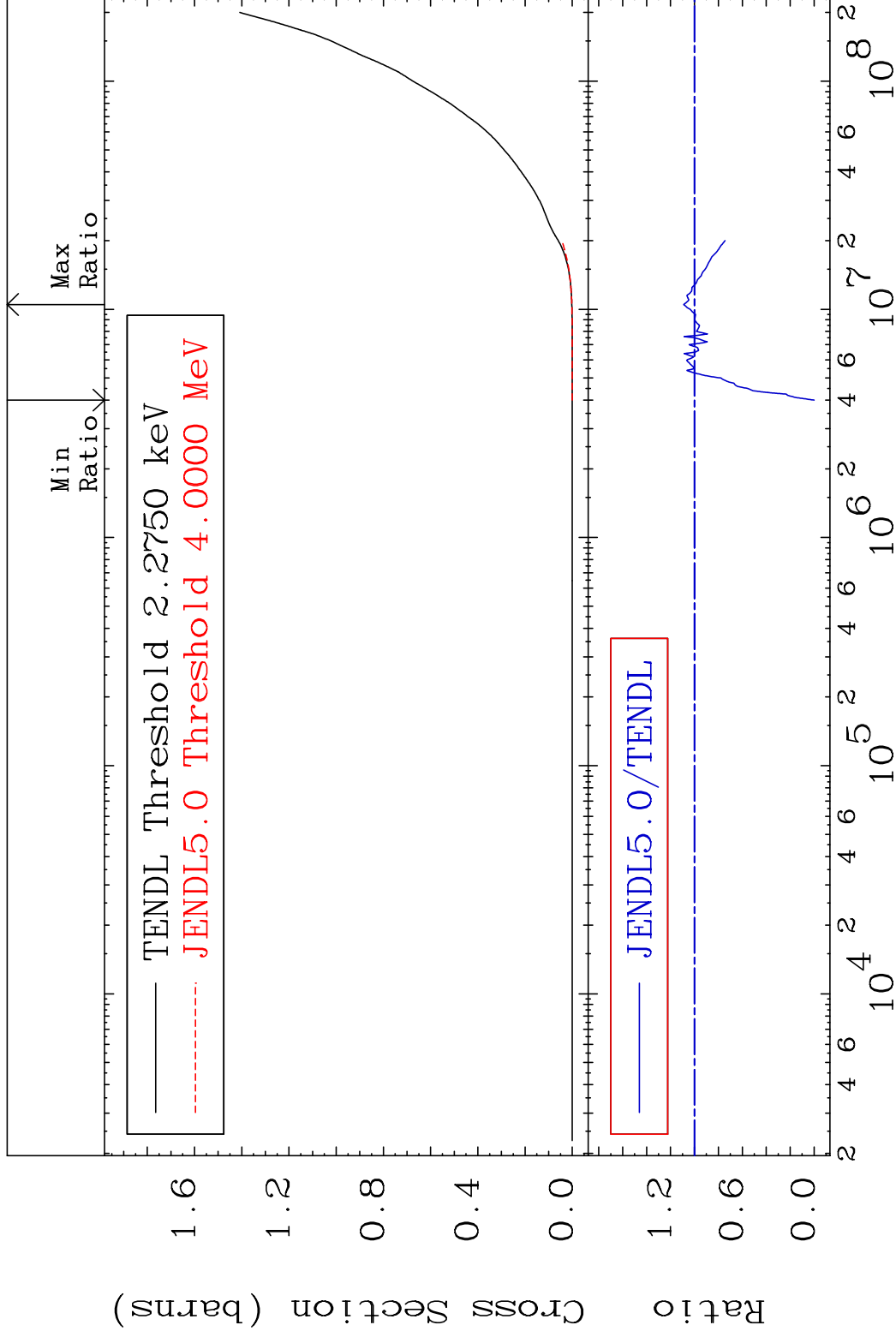
70-Yb-170

MAT 7031

Hydrogen Production

70-Yb-170

Cross Section -100.0 To 9.023 %

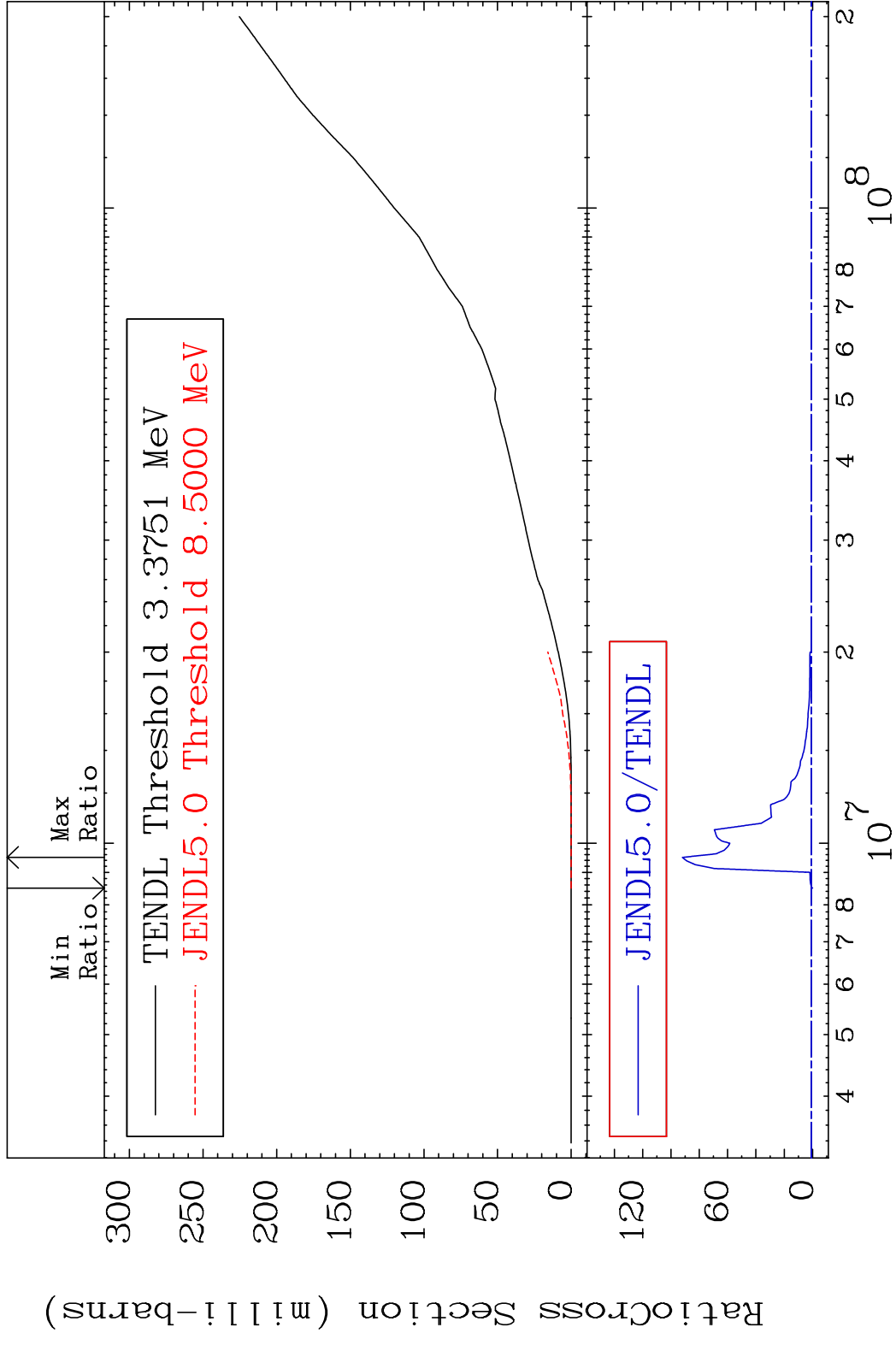


26

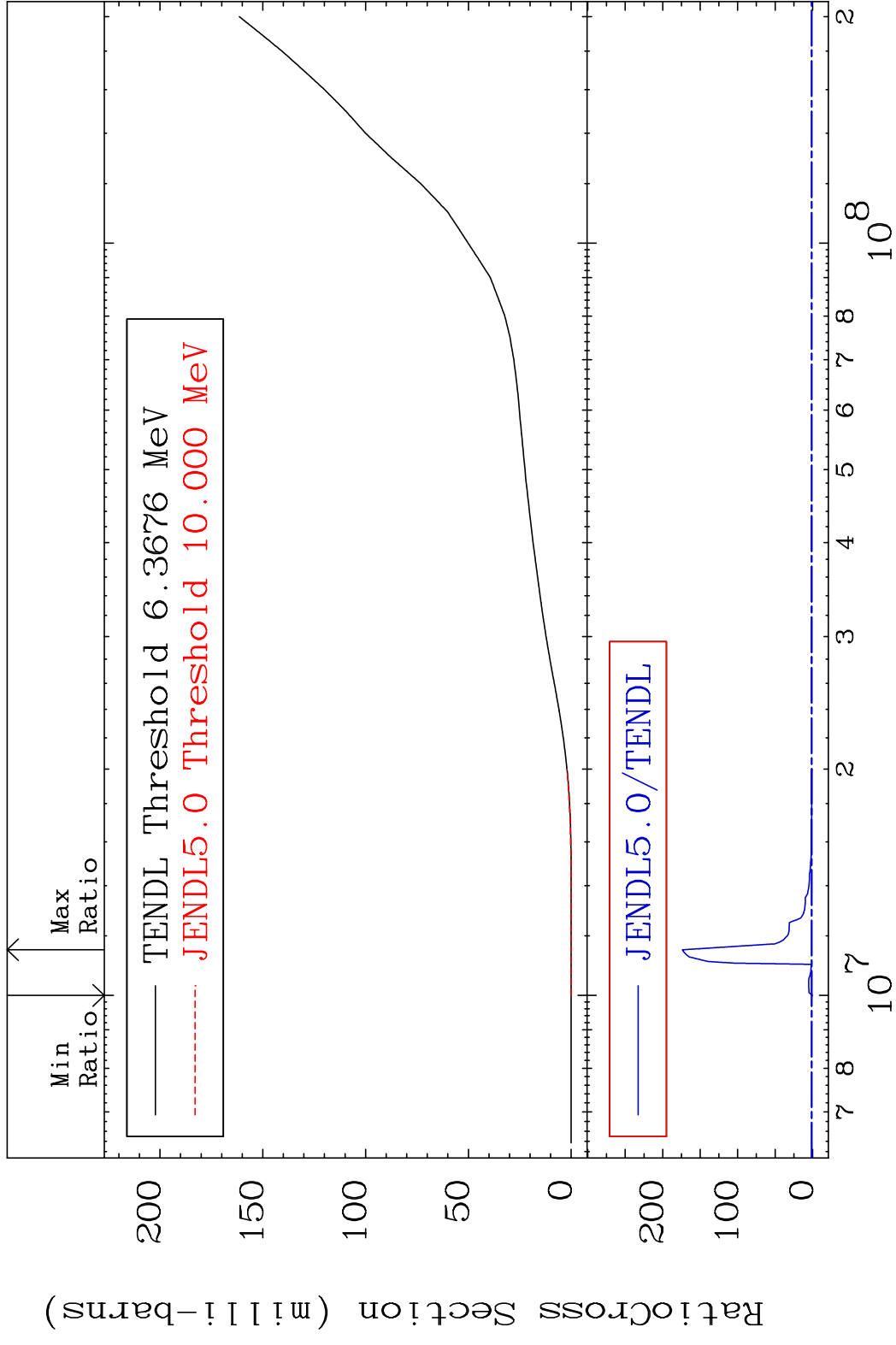
Incident Energy (eV)

70-Yb-170

MAT 7031 Deuterium Production 70-Yb-170
 Cross Section -100.0 To 9096. %



MAT 7031 Tritium Production 70-Yb-170
 Cross Section -100.0 To 9999. %

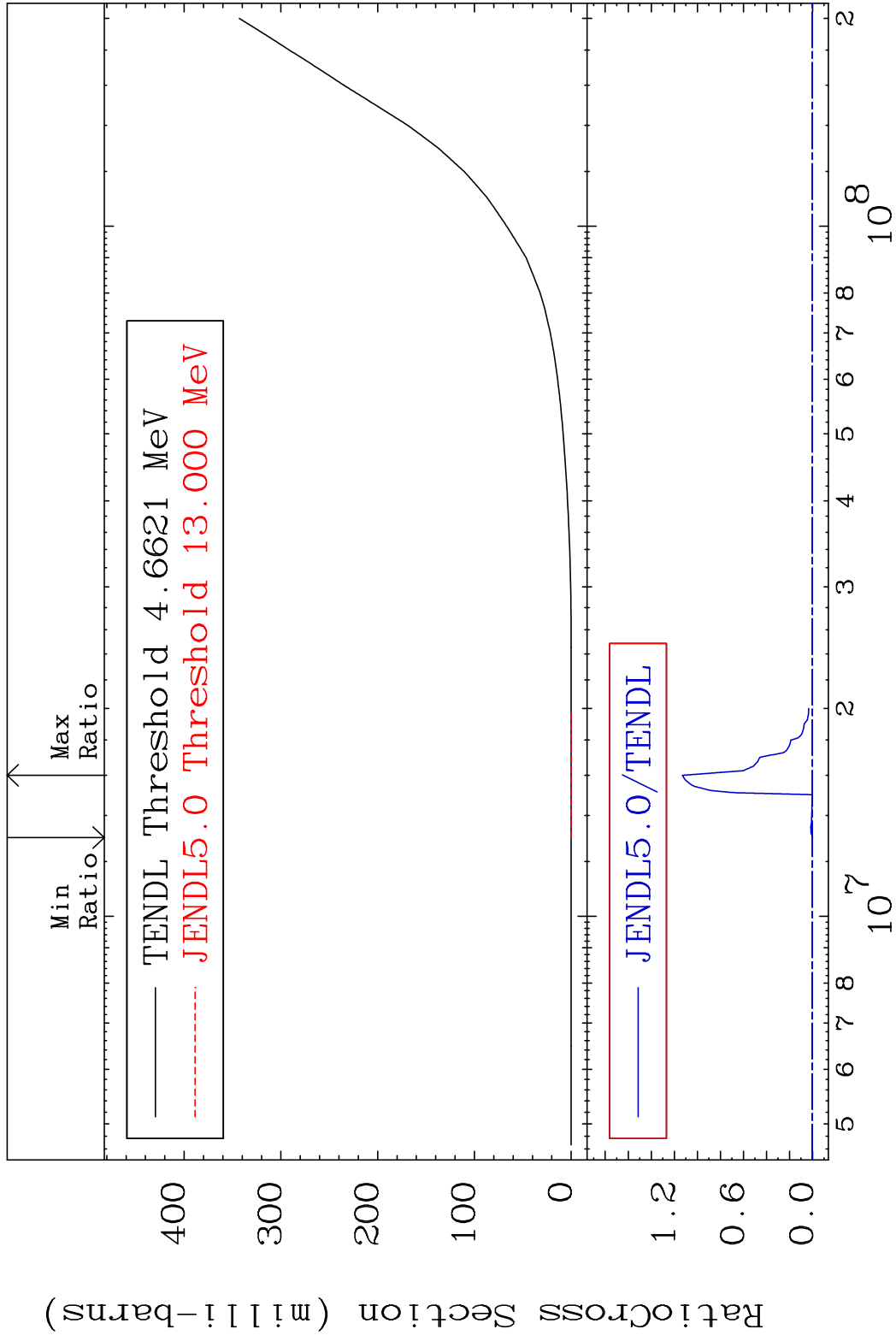


MAT 7031

He-3 Production

70-Yb-170

Cross Section -100.0 To 9999. %

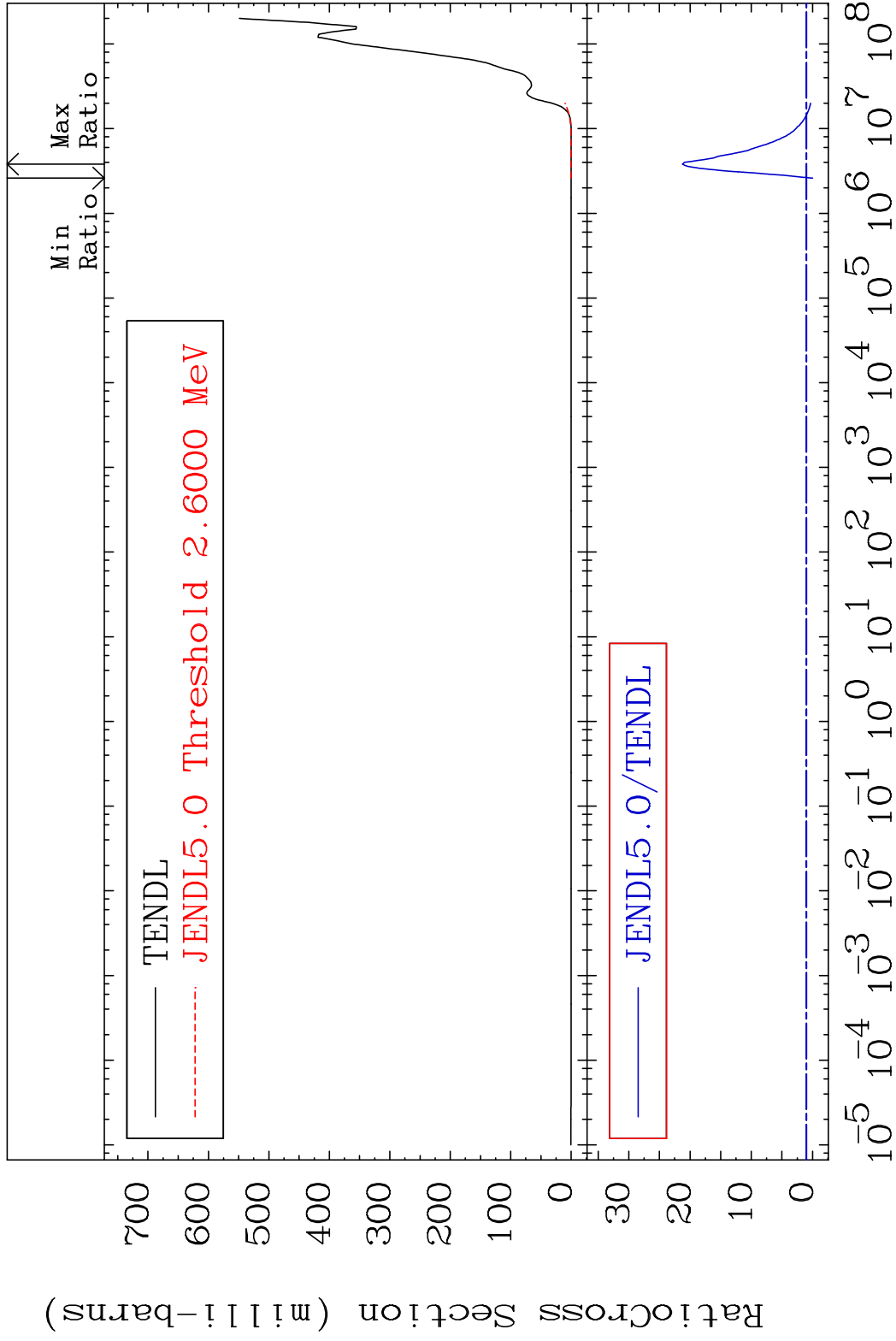


MAT 7031

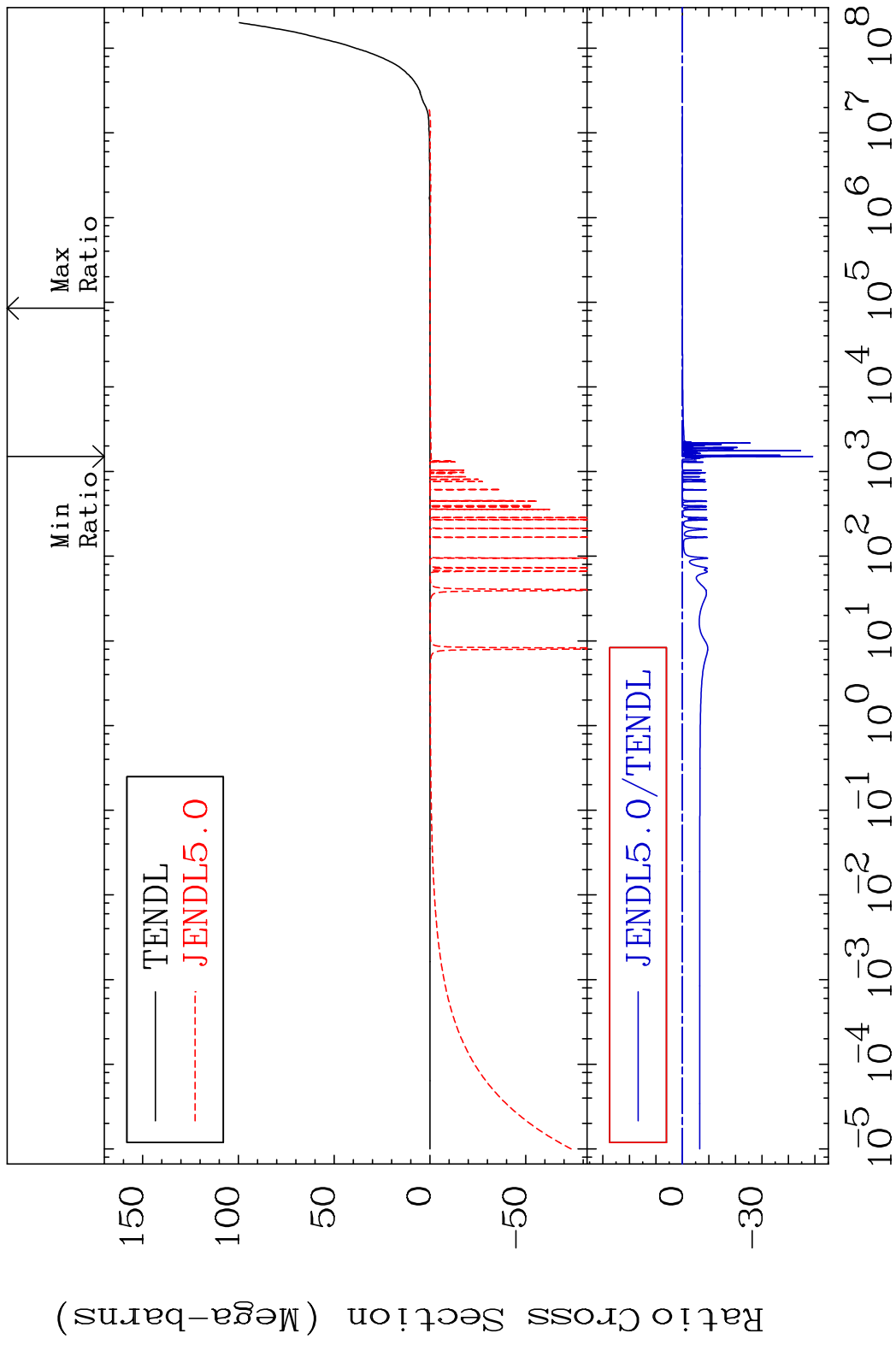
He-4 Production

70-Yb-170

Cross Section -100.0 To 2026. %



MAT 7031 Kerma total (eV-barns) 70-Yb-170
 Cross Section -9999. To 1376. %



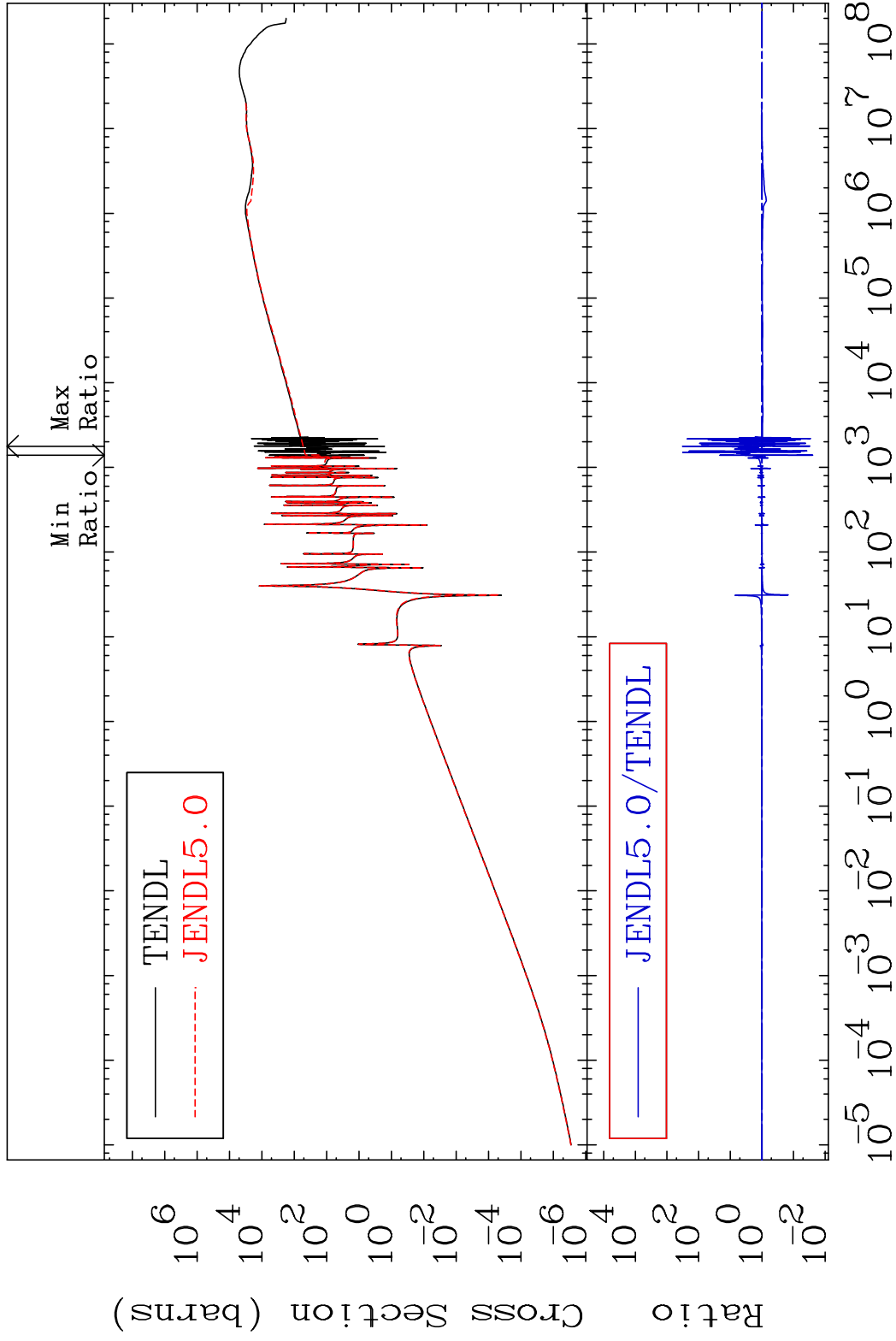
31 Incident Energy (eV) 70-Yb-170

MAT 7031

Kerma elastic

70-Yb-170

Cross Section -97.50 To 9999. %

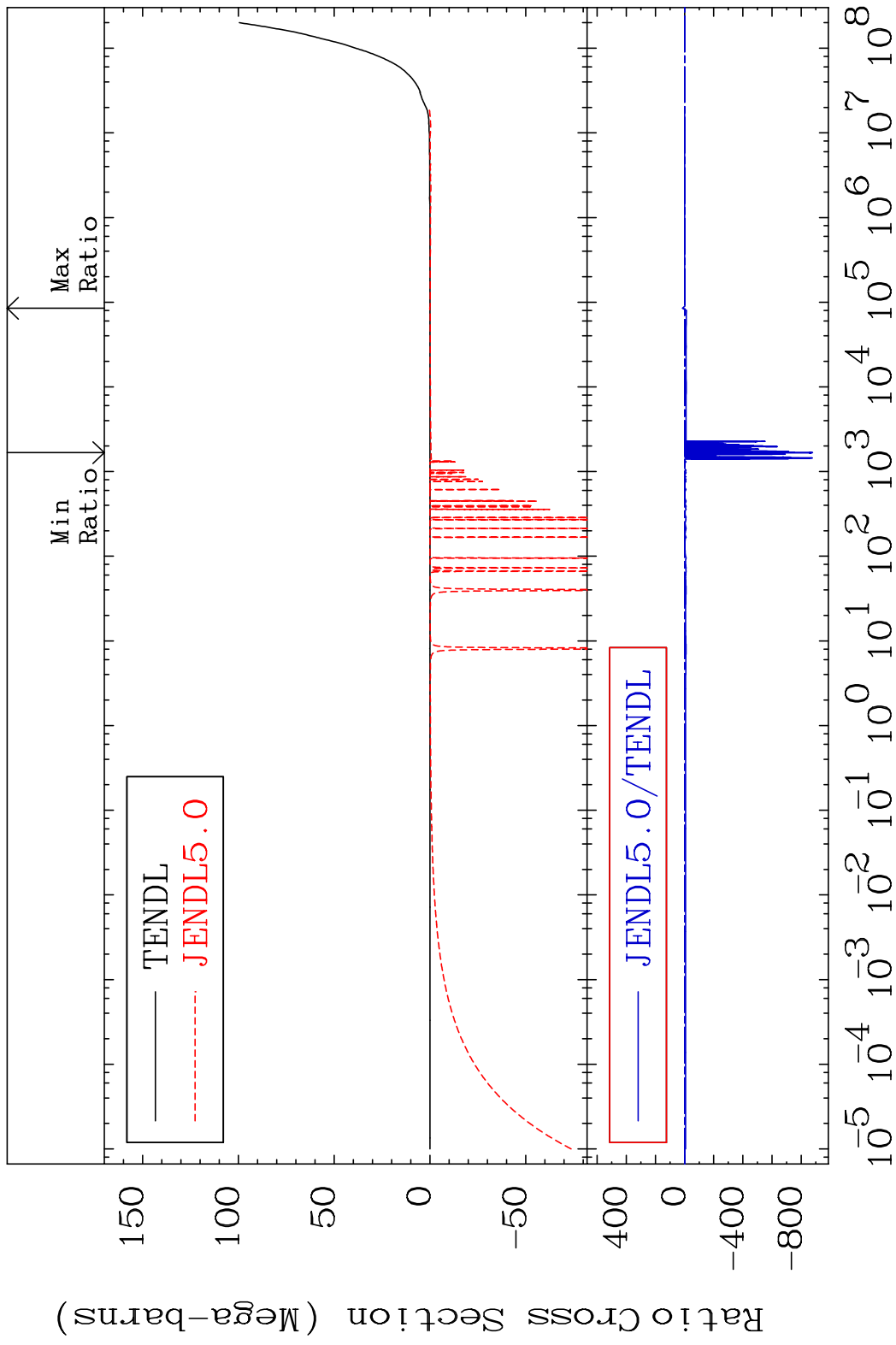


32

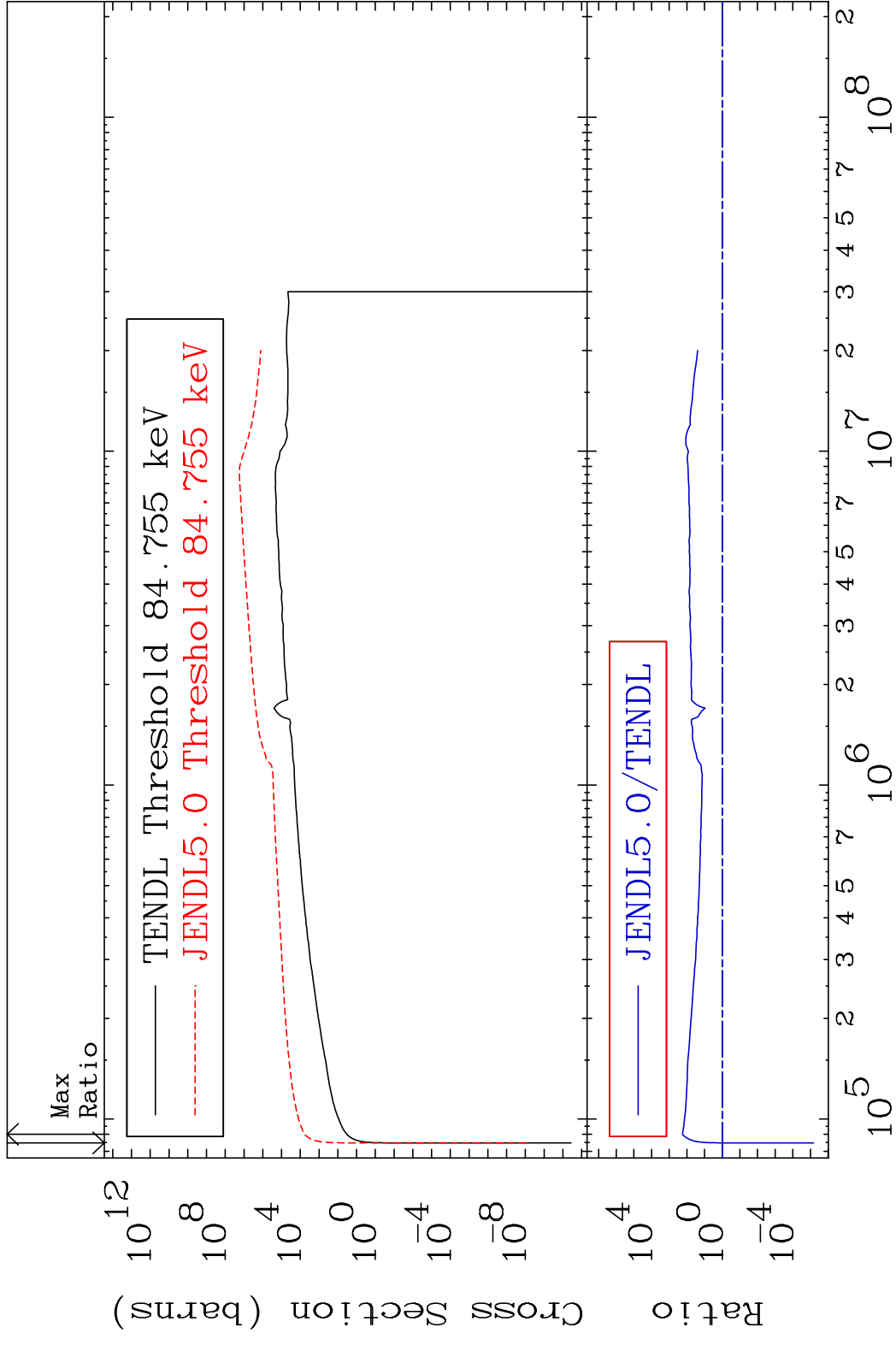
Incident Energy (eV)

70-Yb-170

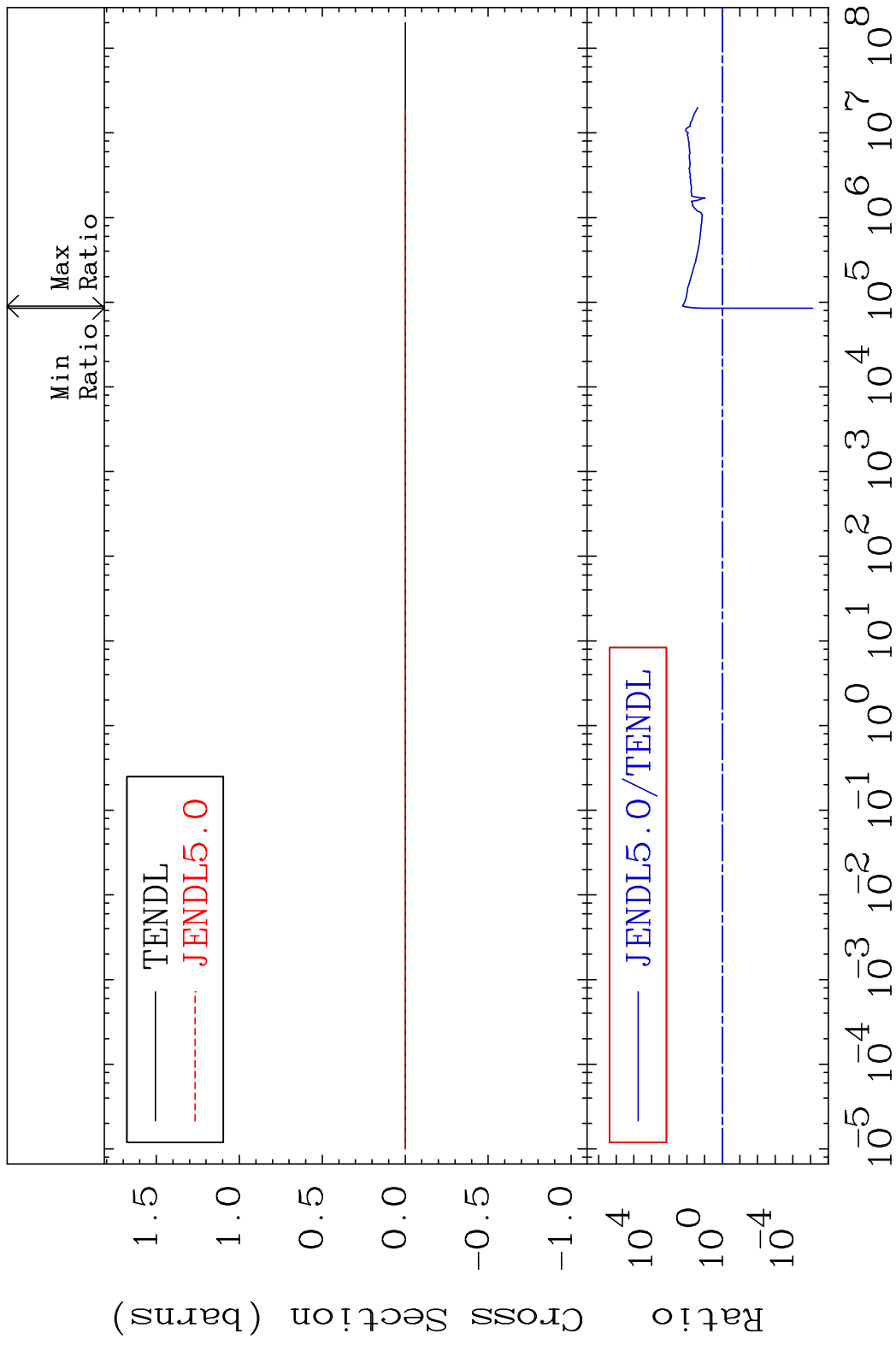
MAT 7031 Kerma non-elastic (all but mt2) 70-Yb-170
 Cross Section -9999. To 9999. %



MAT 7031 Kerma inelastic (mt51-91) 70-Yb-170
 Cross Section -100.0 To 9999. %



MAT 7031 Kerma fission (mt18 or mt19-20-21-38)70-Yb-170
 Cross Section -100.0 To 9999. %

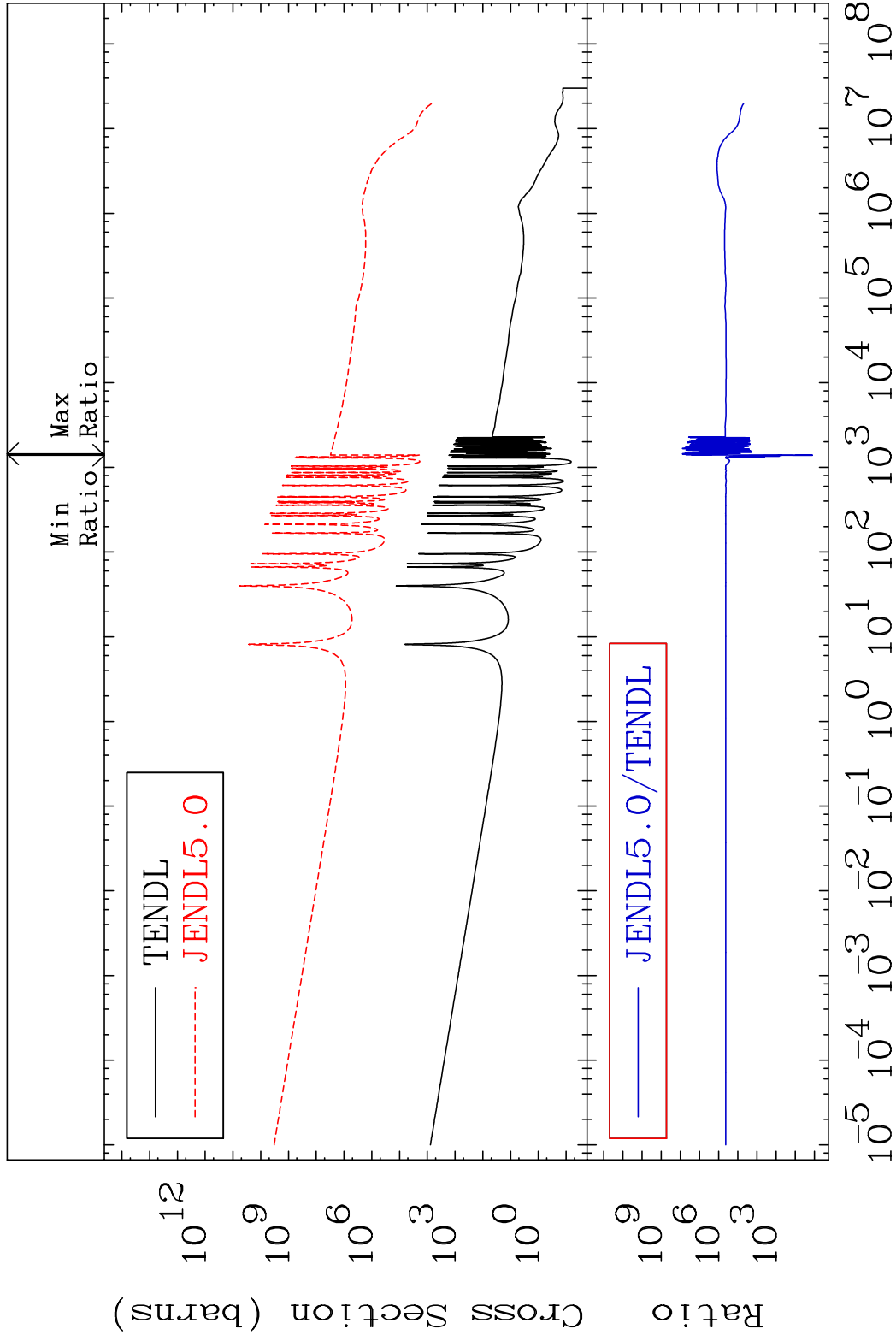


MAT 7031

Kerma capture (mt102)

70-Yb-170

Cross Section 1142. To 9999. %

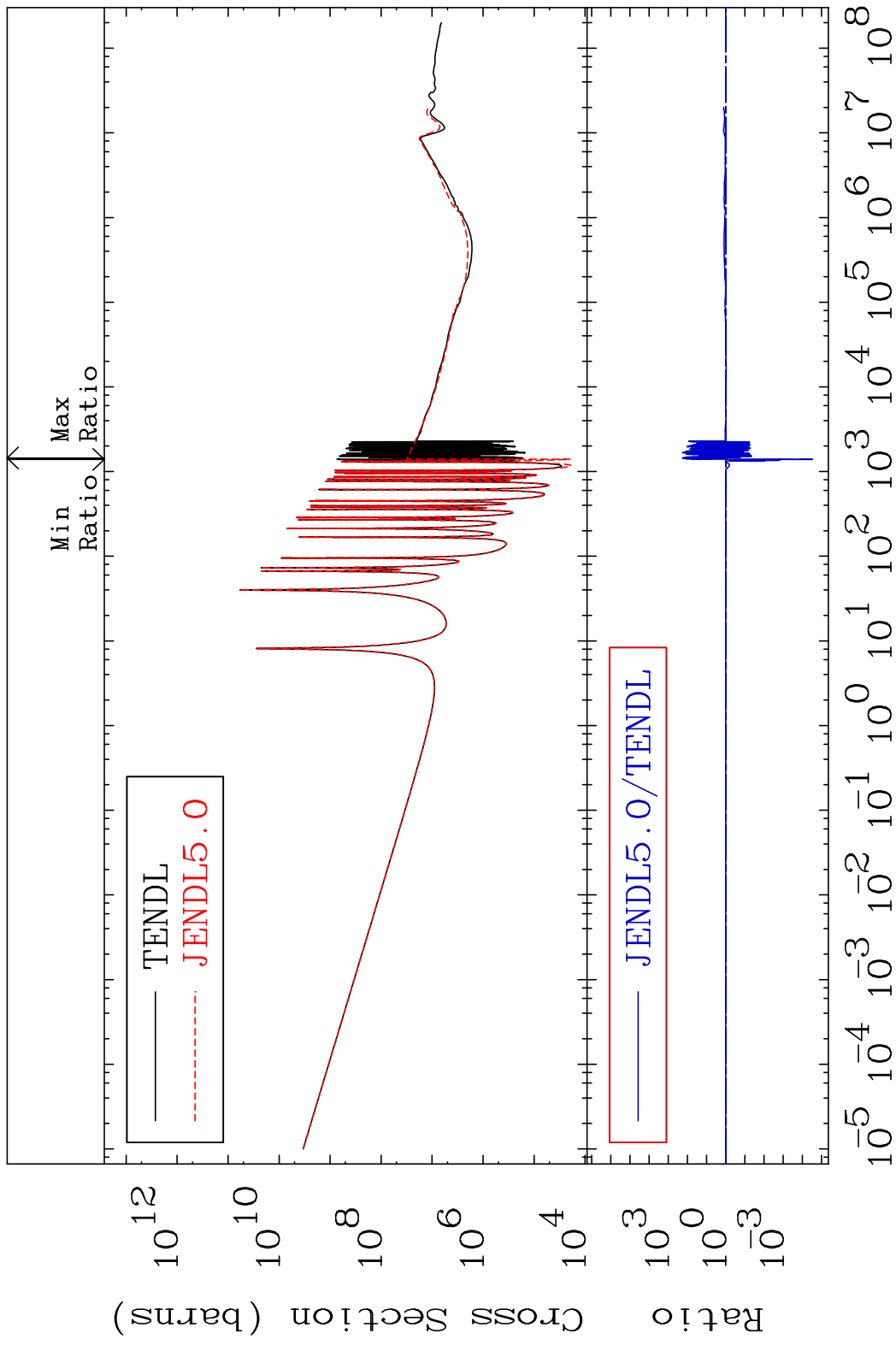


36

Incident Energy (eV)

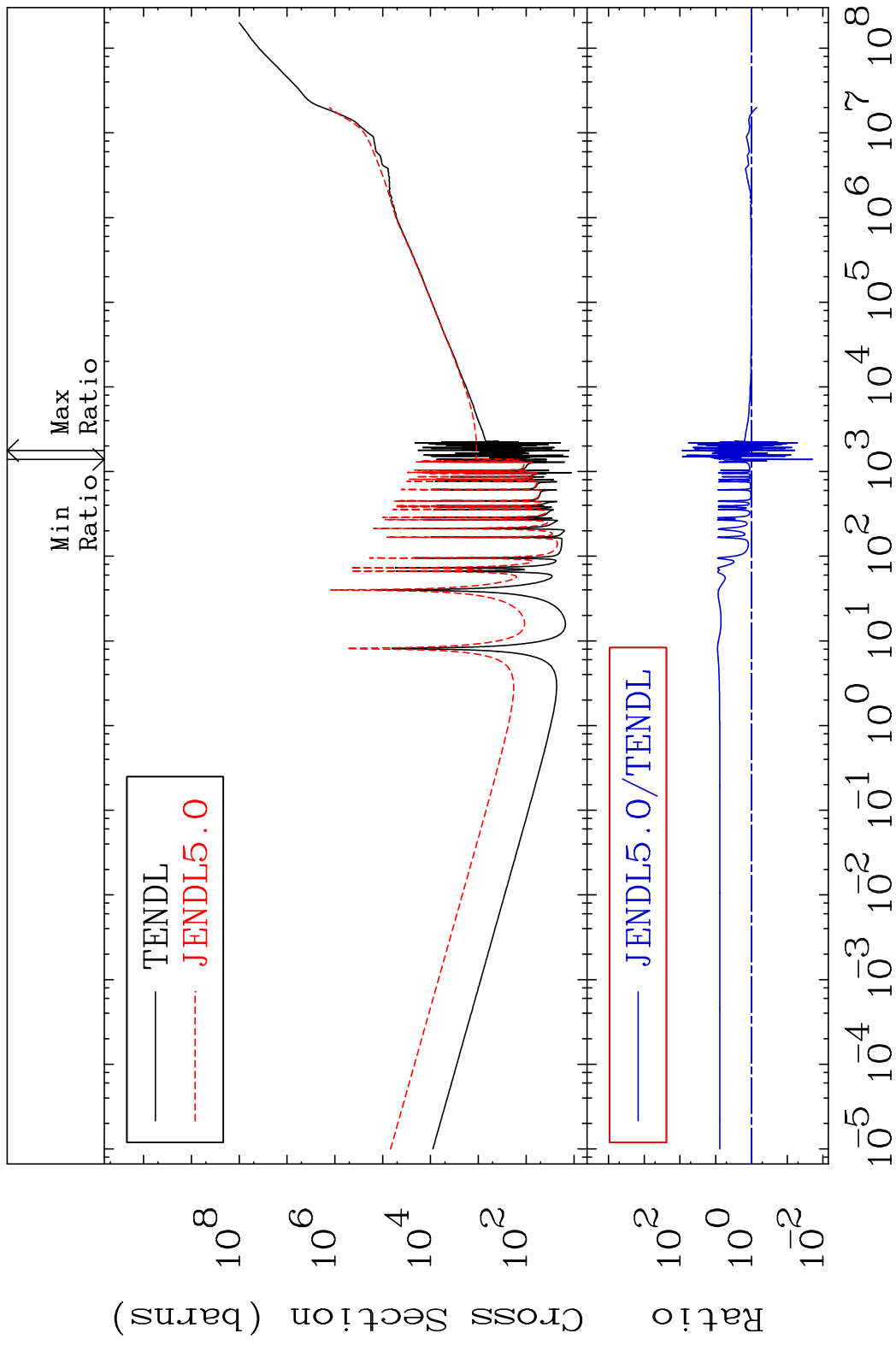
70-Yb-170

MAT 7031 Total photon (eV-barns) 70-Yb-170
 Cross Section -100.0 To 9999. %

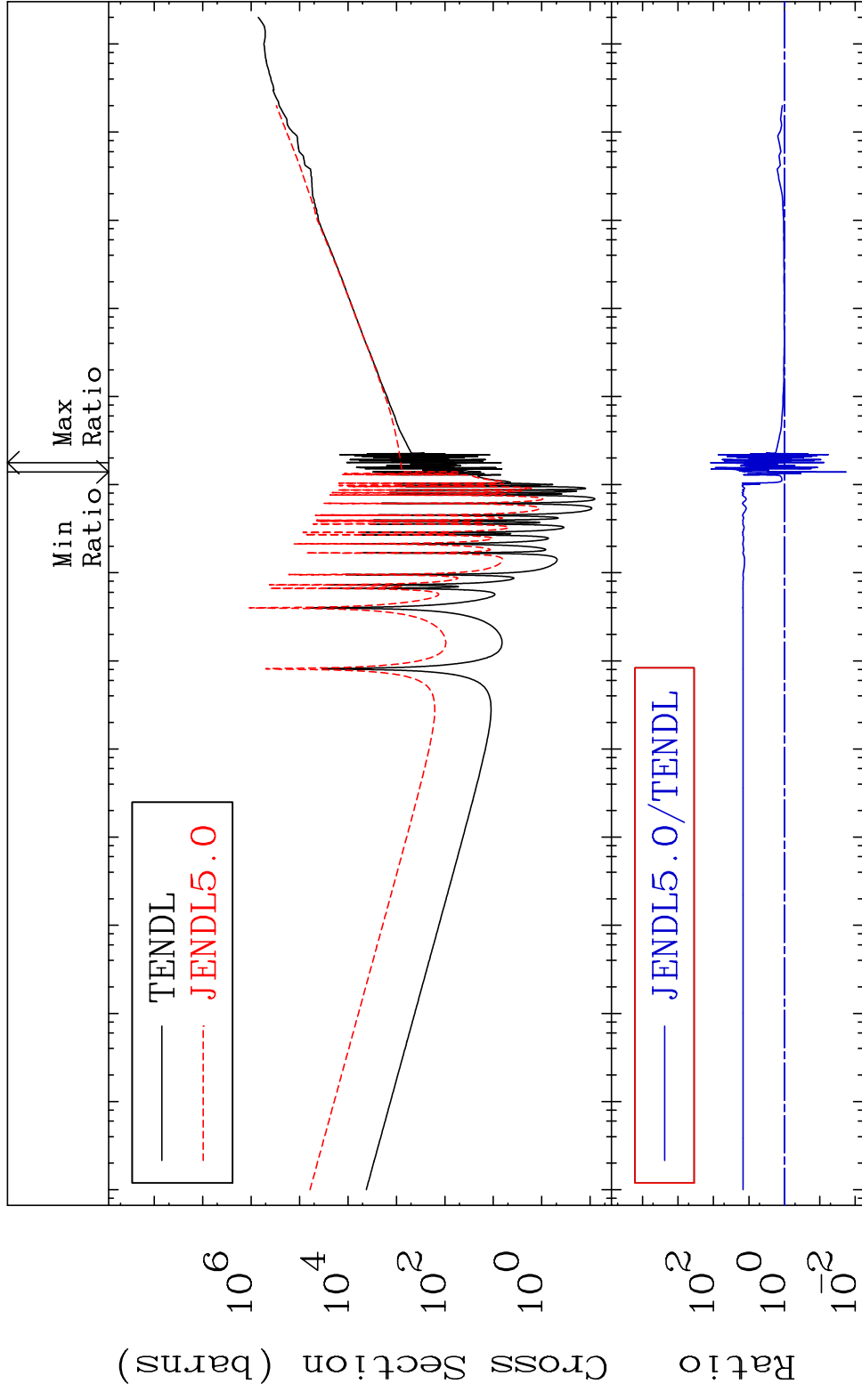


37 Incident Energy (eV) 70-Yb-170

MAT 7031 Total kinematic kerma (high limit) 70-Yb-170
 Cross Section -98.05 To 8465. %



MAT 7031 Dpa total (eV-barns) 70-Yb-170
 Cross Section -98.21 To 9999. %

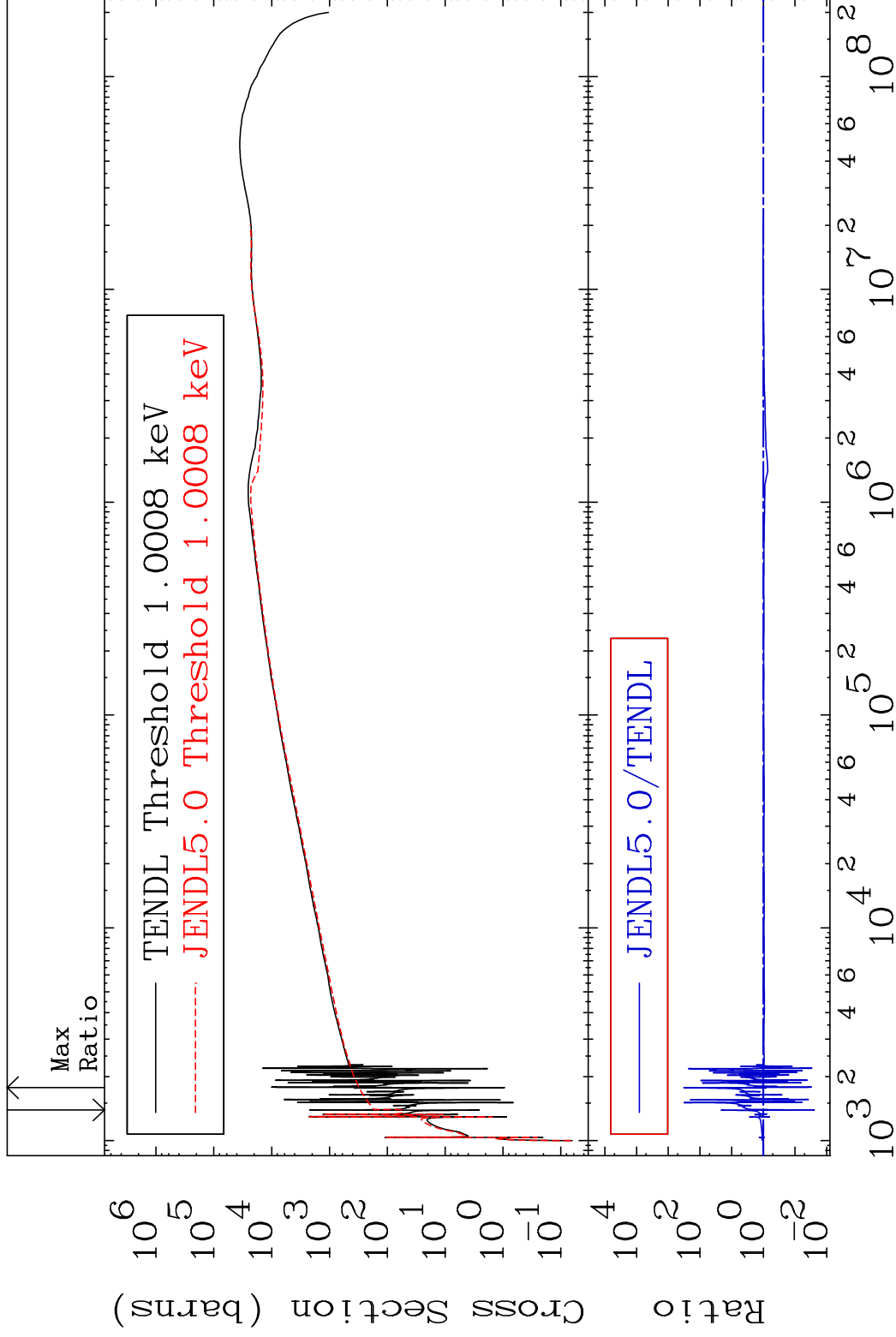


MAT 7031

Dpa elastic (mt2)

70-Yb-170

Cross Section -97.49 To 9999. %

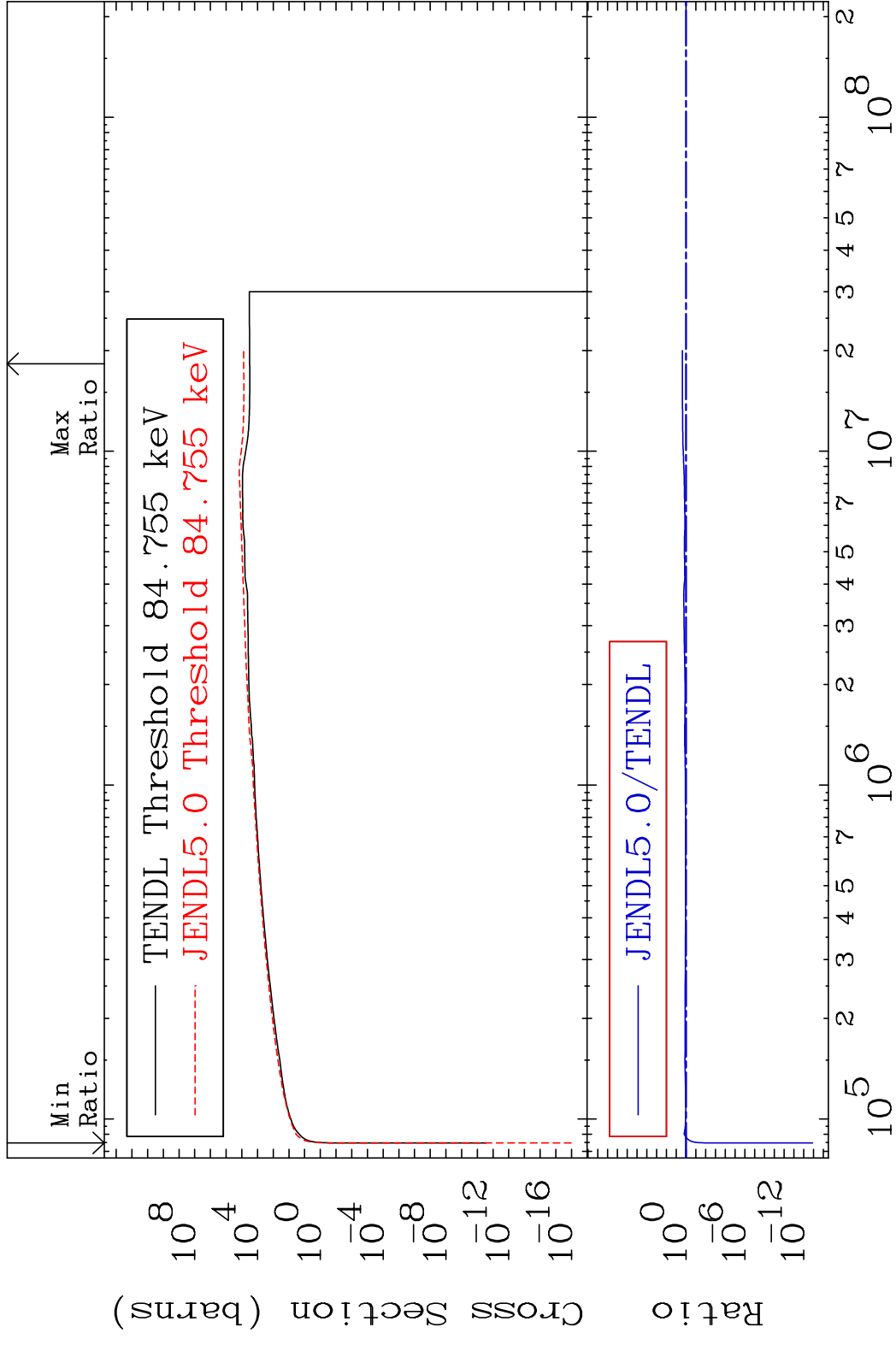


40

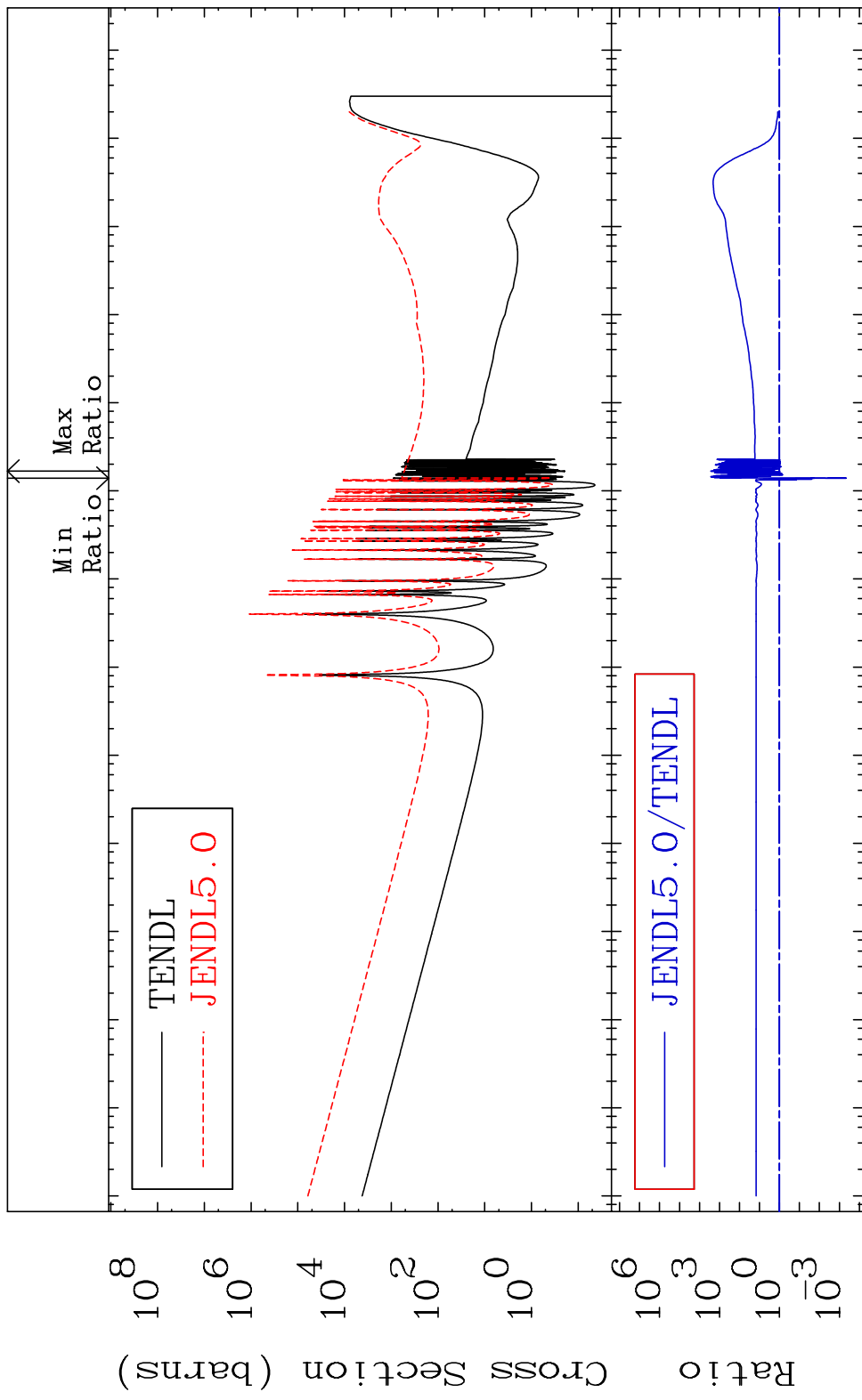
Incident Energy (eV)

70-Yb-170

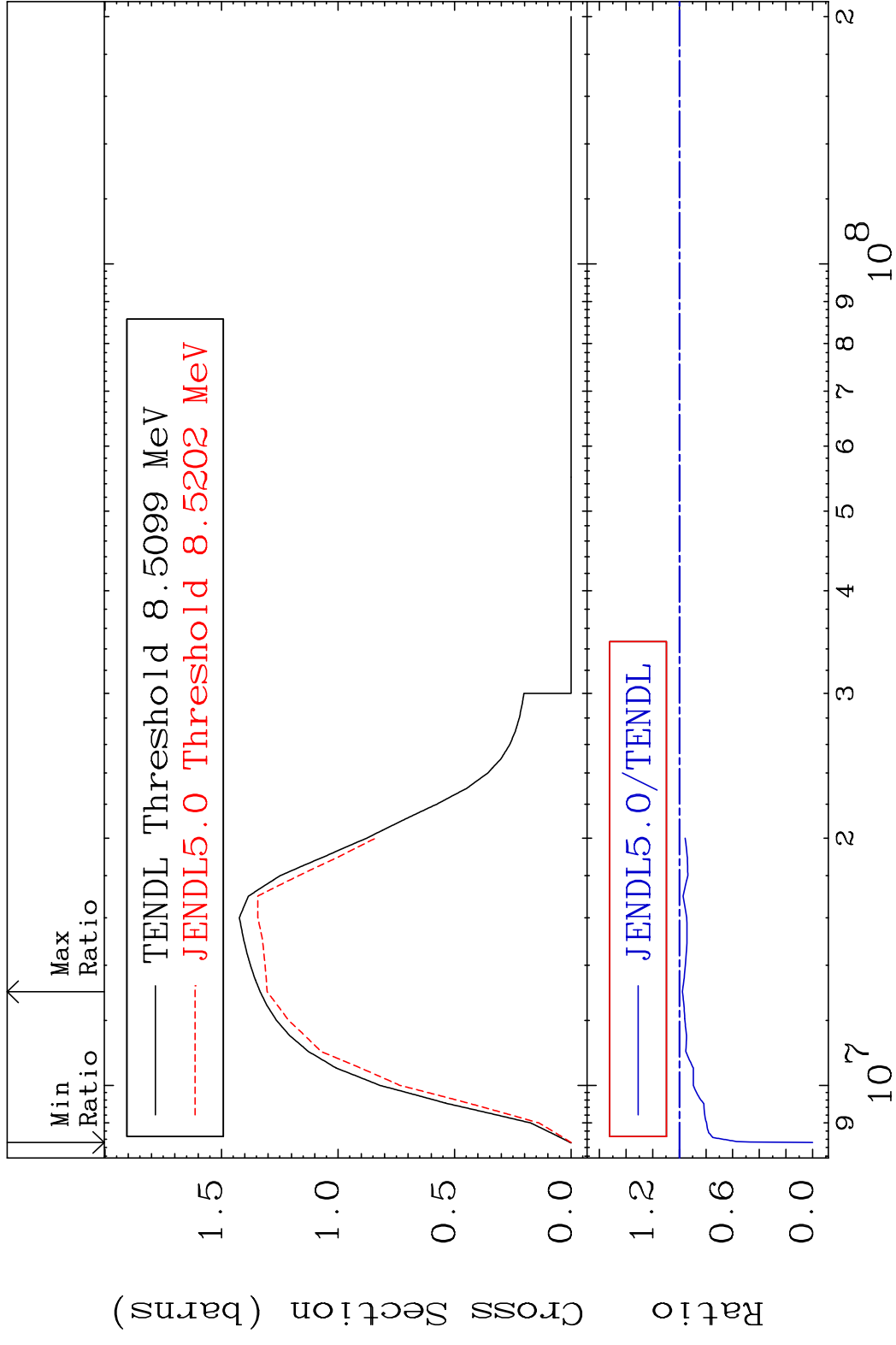
MAT 7031 Dpa inelastic (mt51-91) 70-Yb-170
 Cross Section -100.0 To 141.1 %



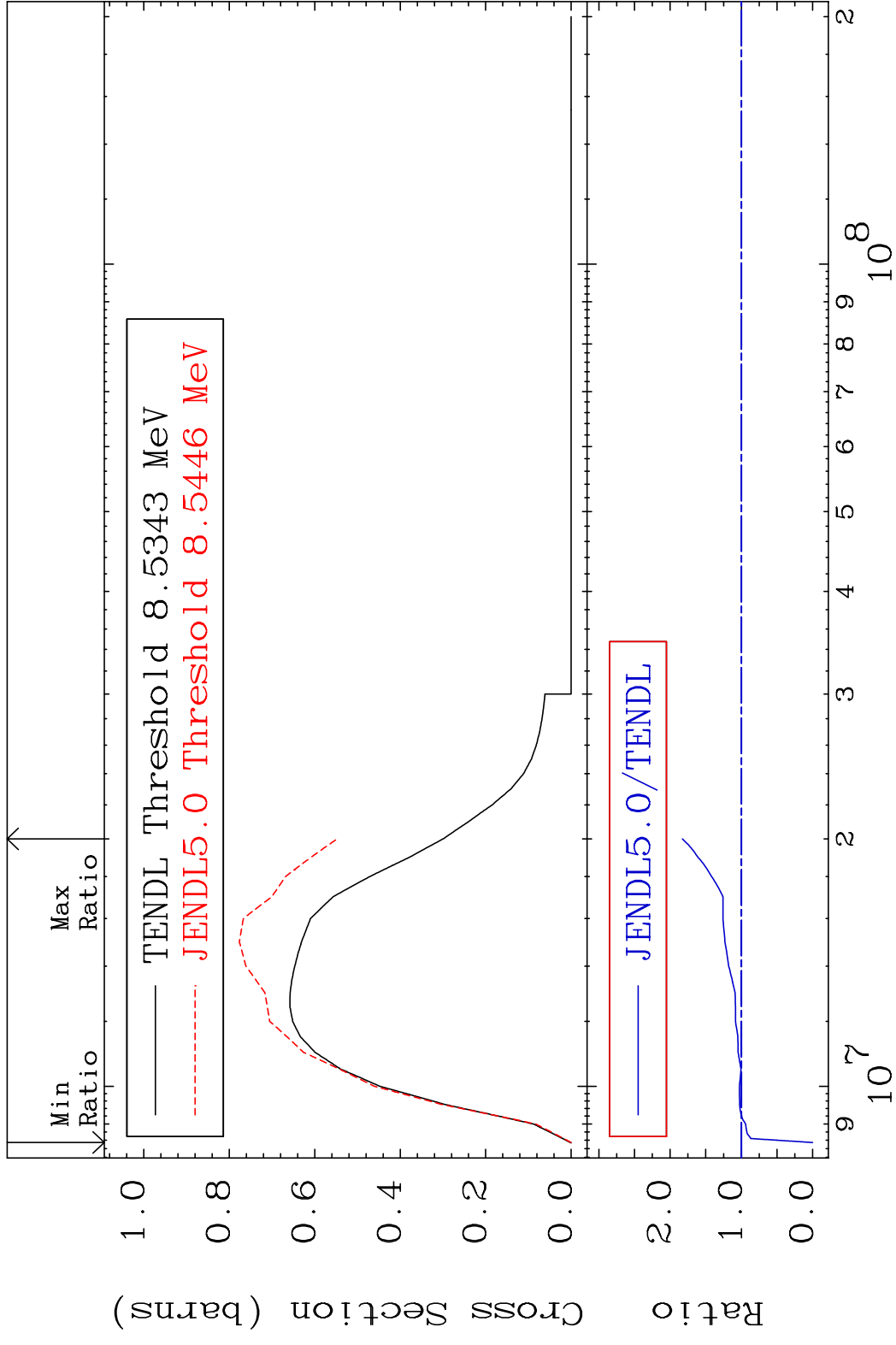
MAT 7031 Dpa disappearance (mt102 -120) 70-Yb-170
 Cross Section -99.96 To 9999. %



MAT 7031 (n,2n):70-Yb-169g 70-Yb-170
 Radionuclide Production Cross Section Ratio -2.253%



MAT 7031 (n,2n):70-Yb-169m1 70-Yb-170
 Radionuclide Production Cross Section Ratio 82.86 %

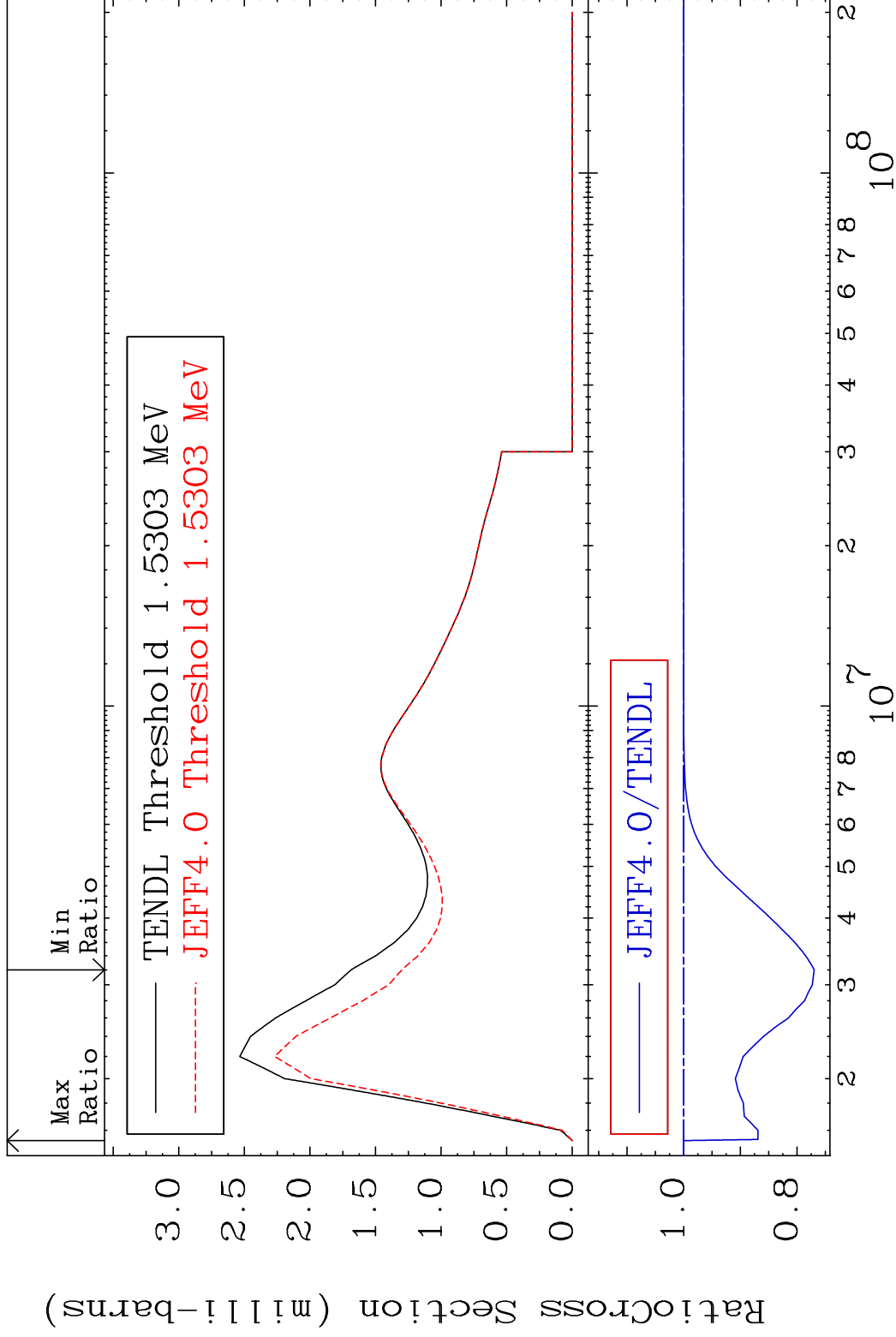


MAT 7031

MT= 75 (n,n') Level

70-Yb-170

Cross Section -23.02 To 0.000 %

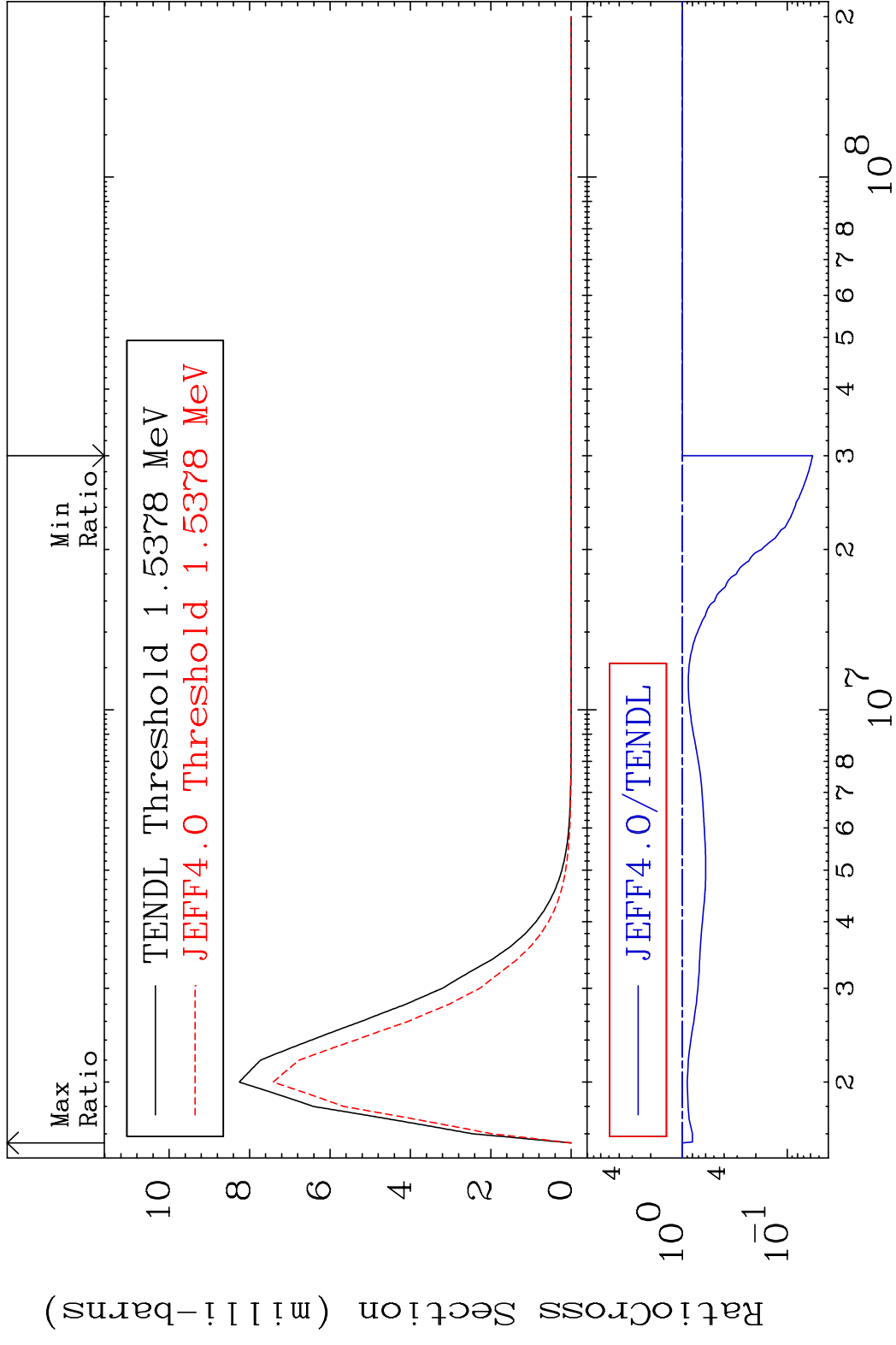


45

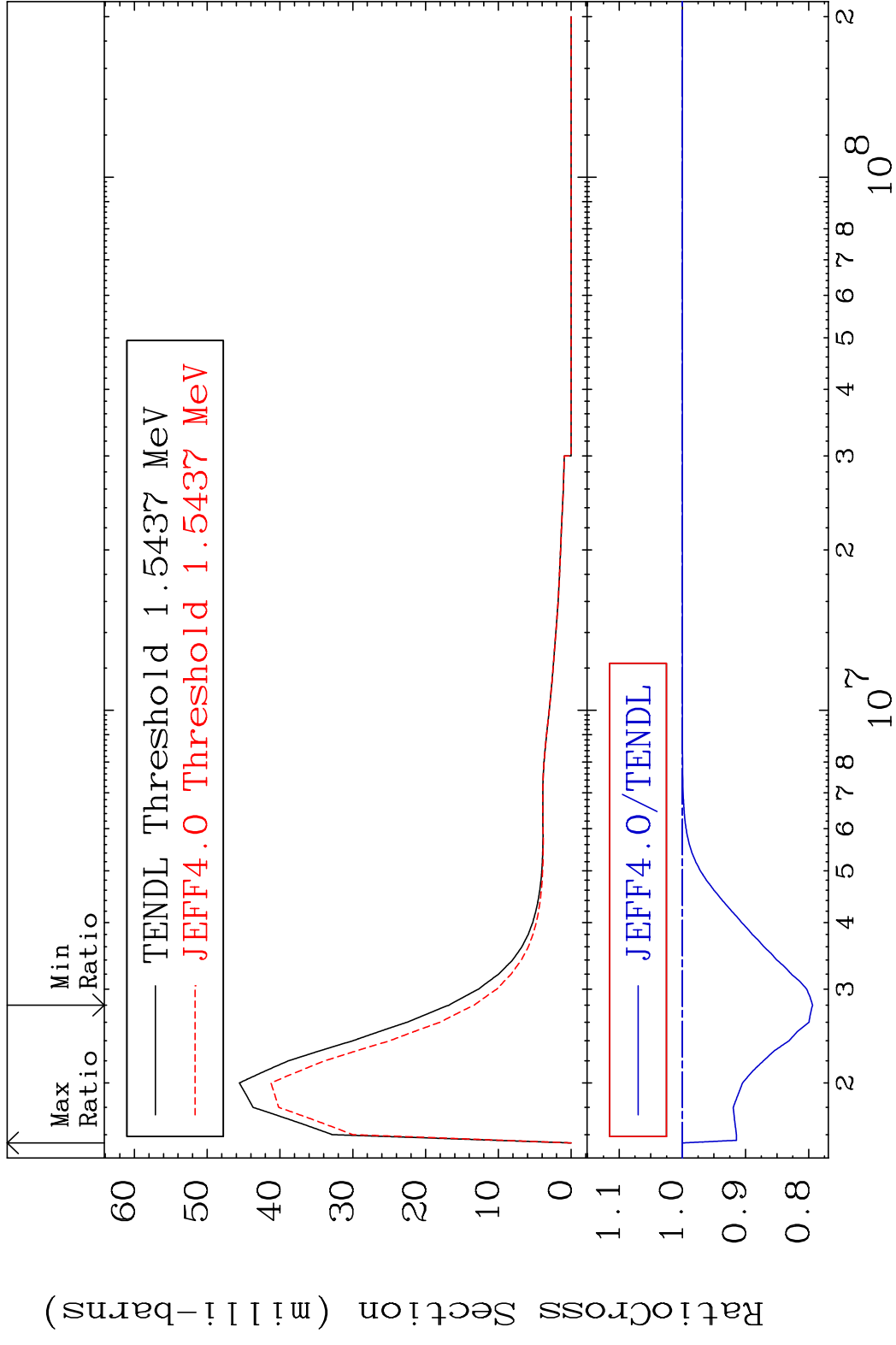
Incident Energy (eV)

70-Yb-170

MAT 7031 MT= 76 (n,n') Level 70-Yb-170
 Cross Section -94.25 To 0.000 %



MAT 7031 MT= 77 (n,n') Level 70-Yb-170
 Cross Section -20.62 To 0.000 %

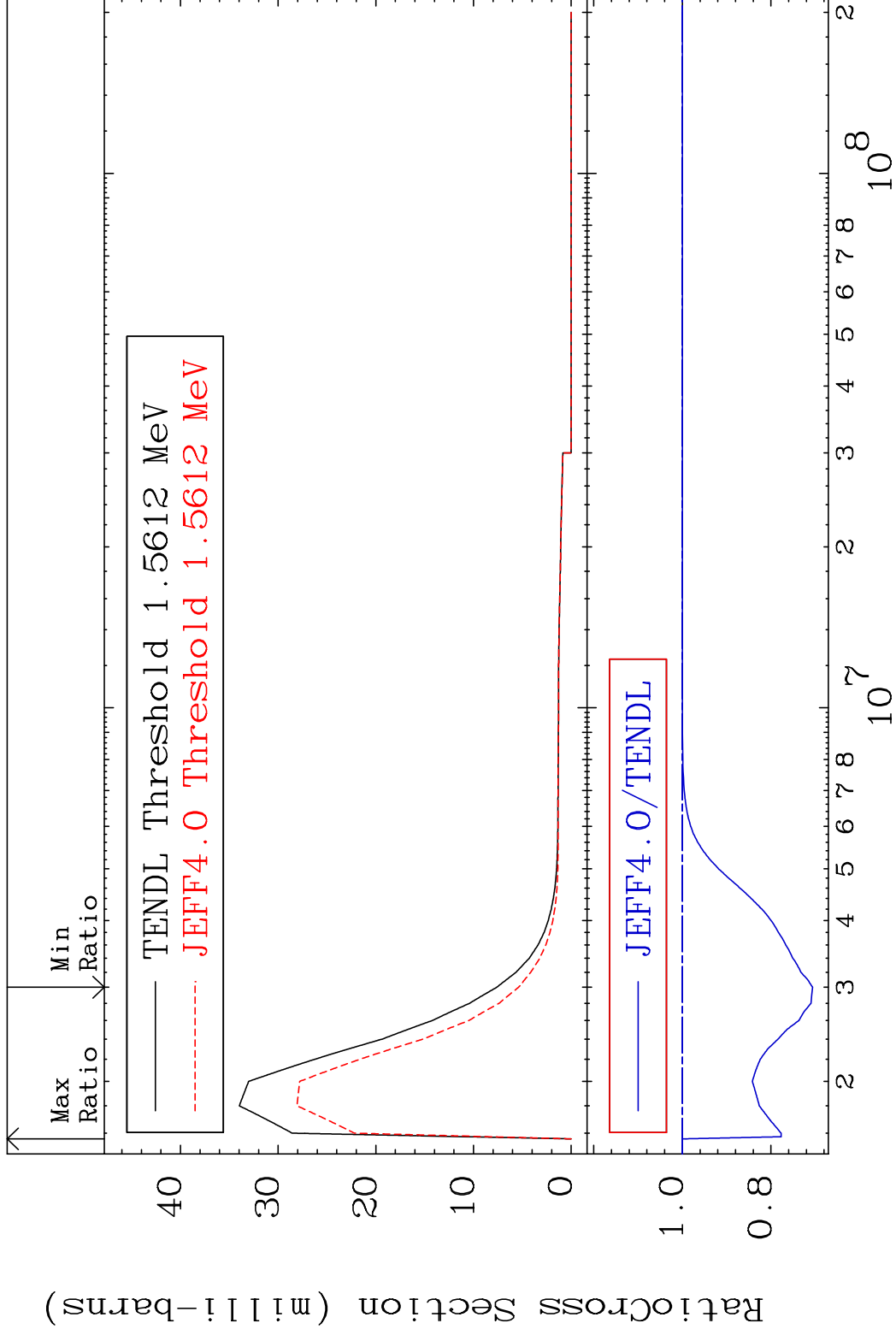


MAT 7031

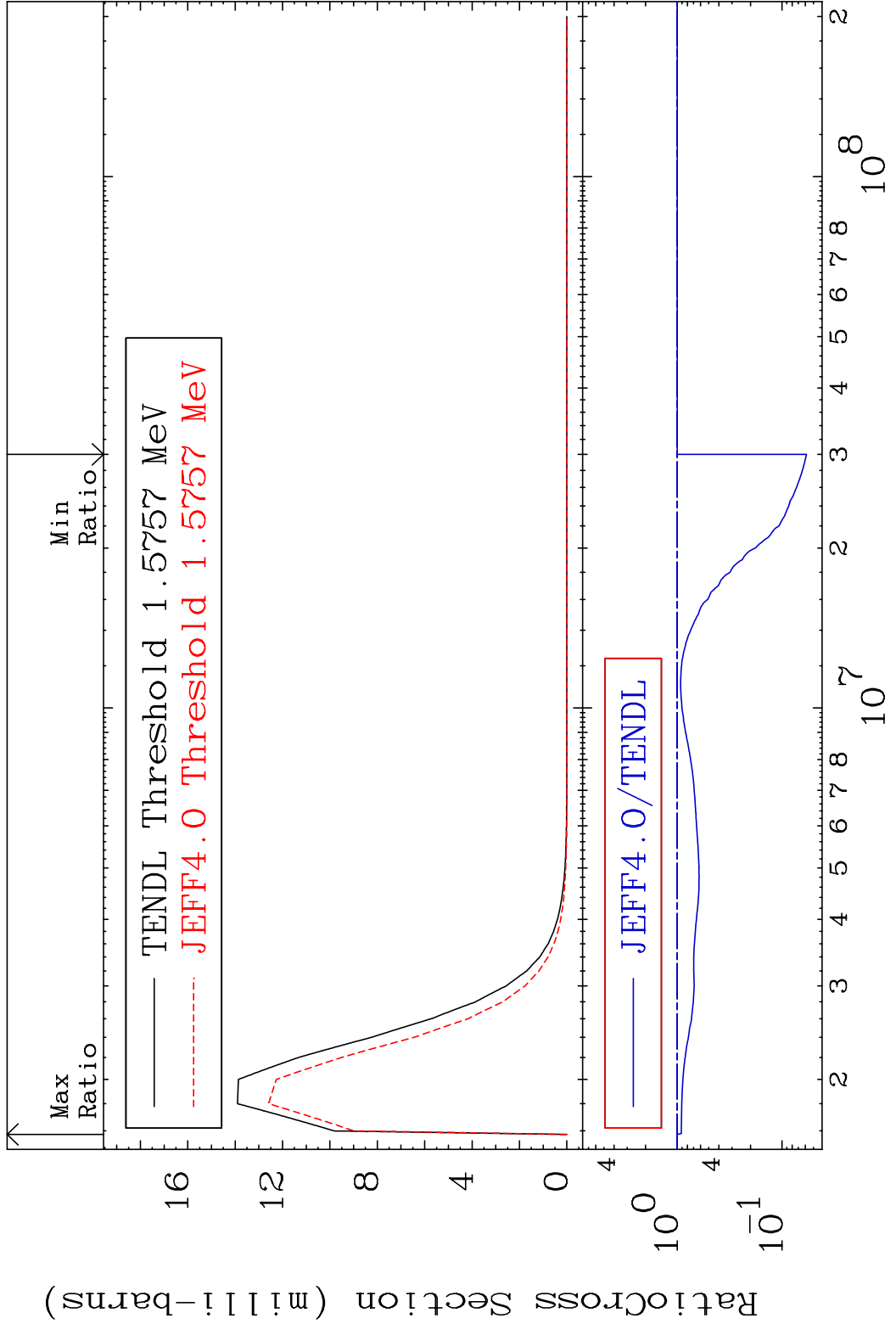
MT= 78 (n,n') Level

70-Yb-170

Cross Section -29.39 To 0.000 %



MAT 7031 MT= 79 (n, n') Level 70-Yb-170
 Cross Section -94.15 To 0.000 %

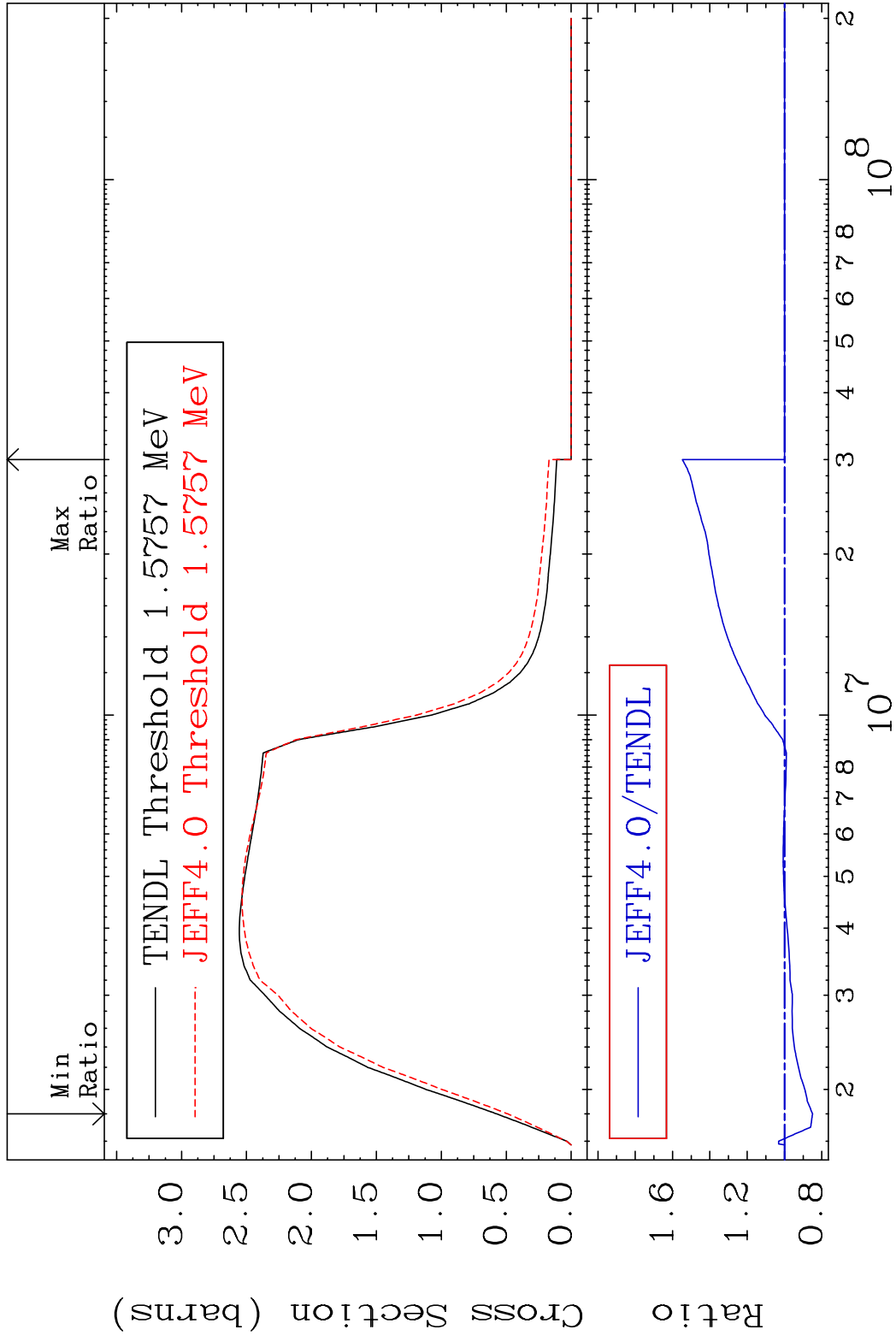


MAT 7031

(n, n') Continuum

70-Yb-170

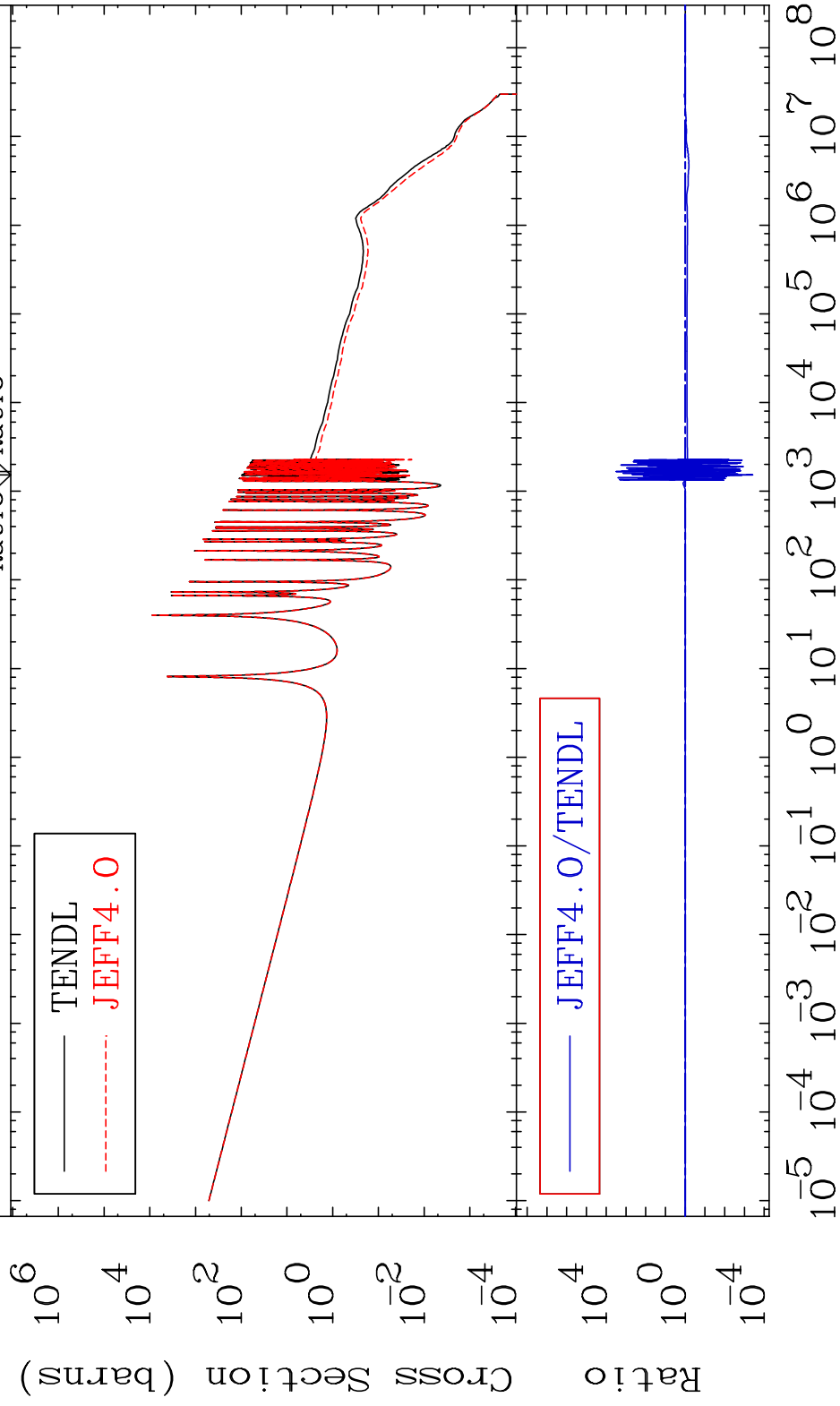
Cross Section -15.05 To 54.74 %



MAT 7031

(n, γ)
Cross Section -99.96 To 9999. %

70-Yb-170



51

Incident Energy (eV)

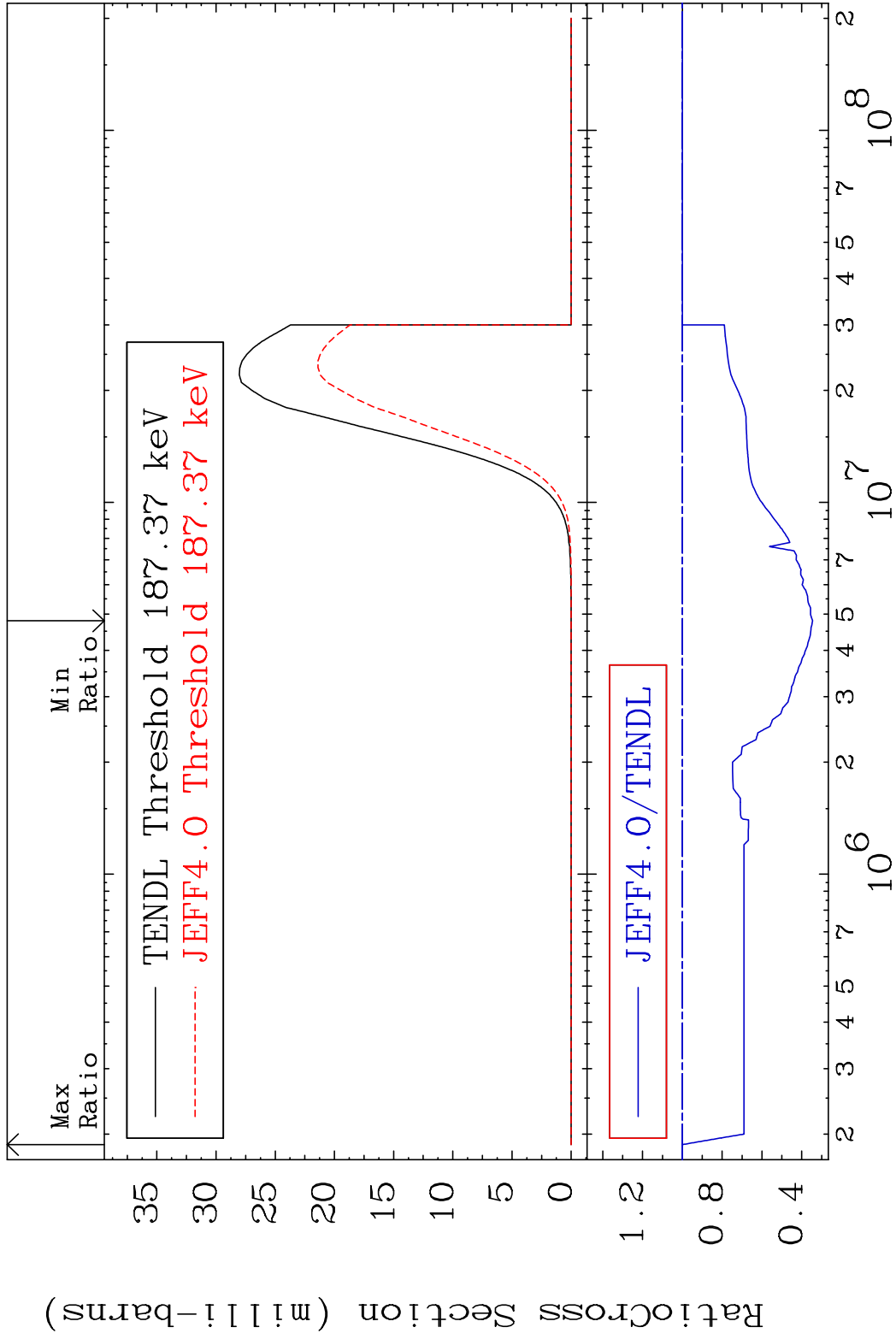
70-Yb-170

MAT 7031

(n, p)

70-Yb-170

Cross Section -65.42 To 0.000 %

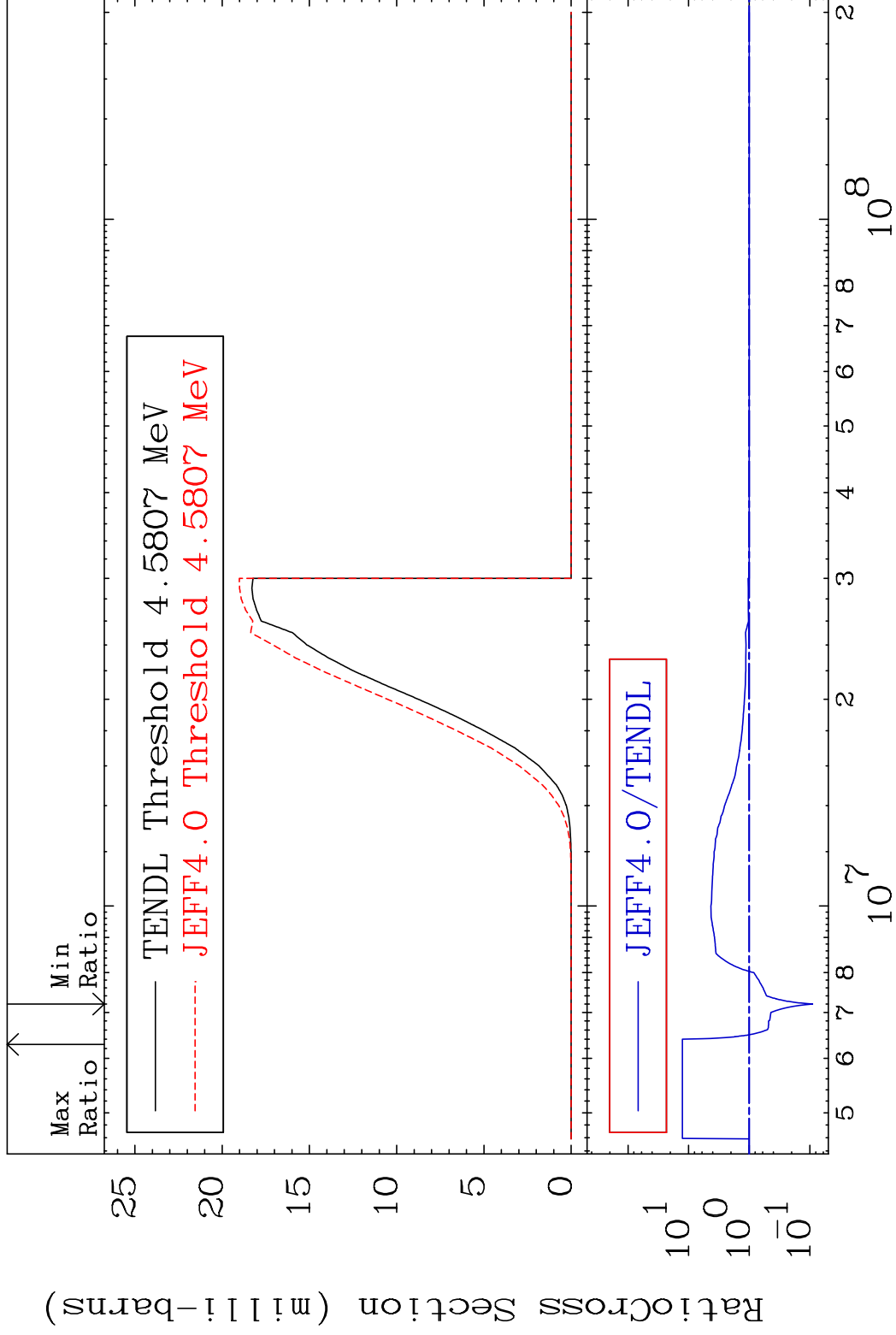


MAT 7031

(n,d)

70-Yb-170

Cross Section -90.98 To 1170. %



53

Incident Energy (eV)

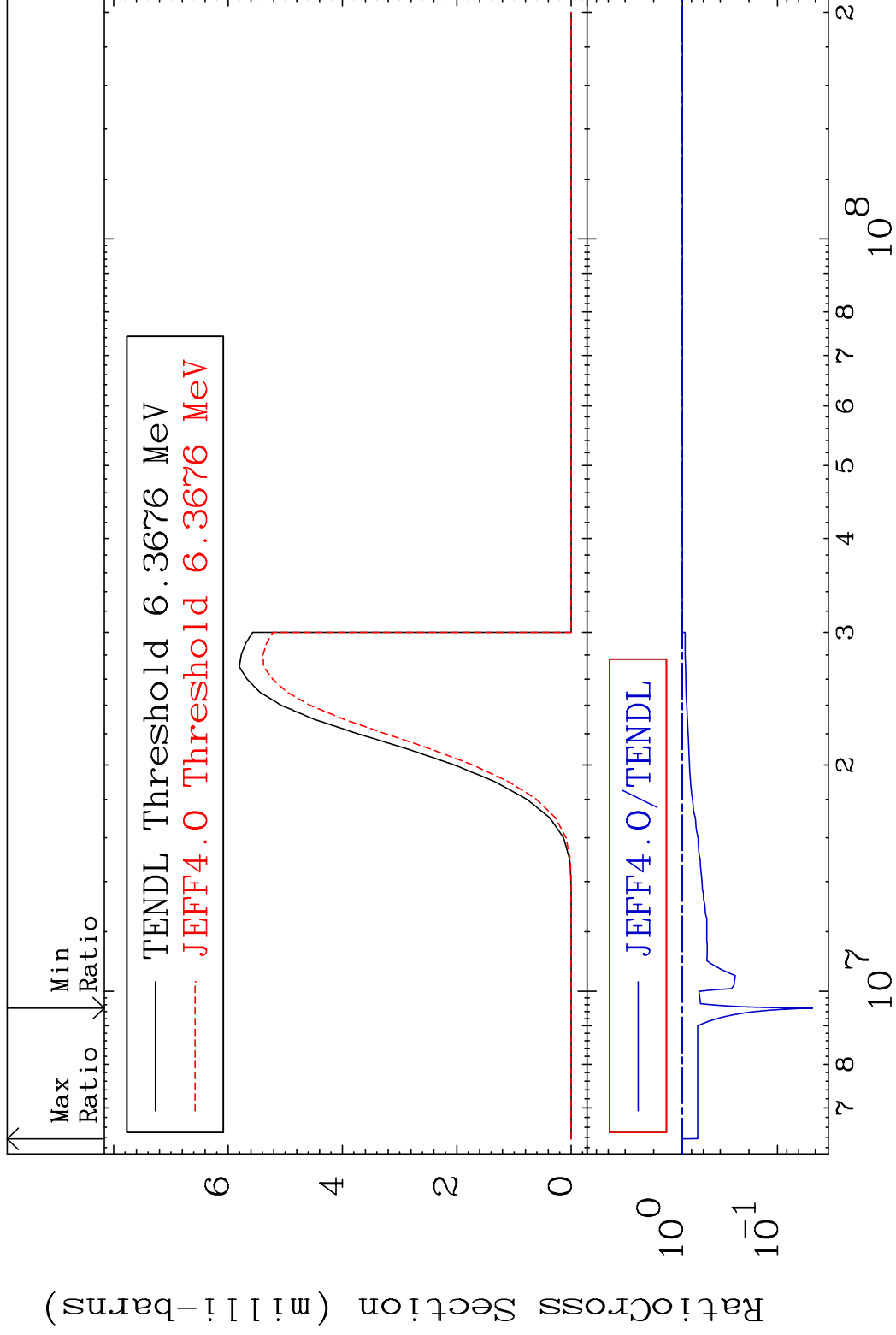
70-Yb-170

MAT 7031

(n, t)

70-Yb-170

Cross Section -95.71 To 0.000 %



54

Incident Energy (eV)

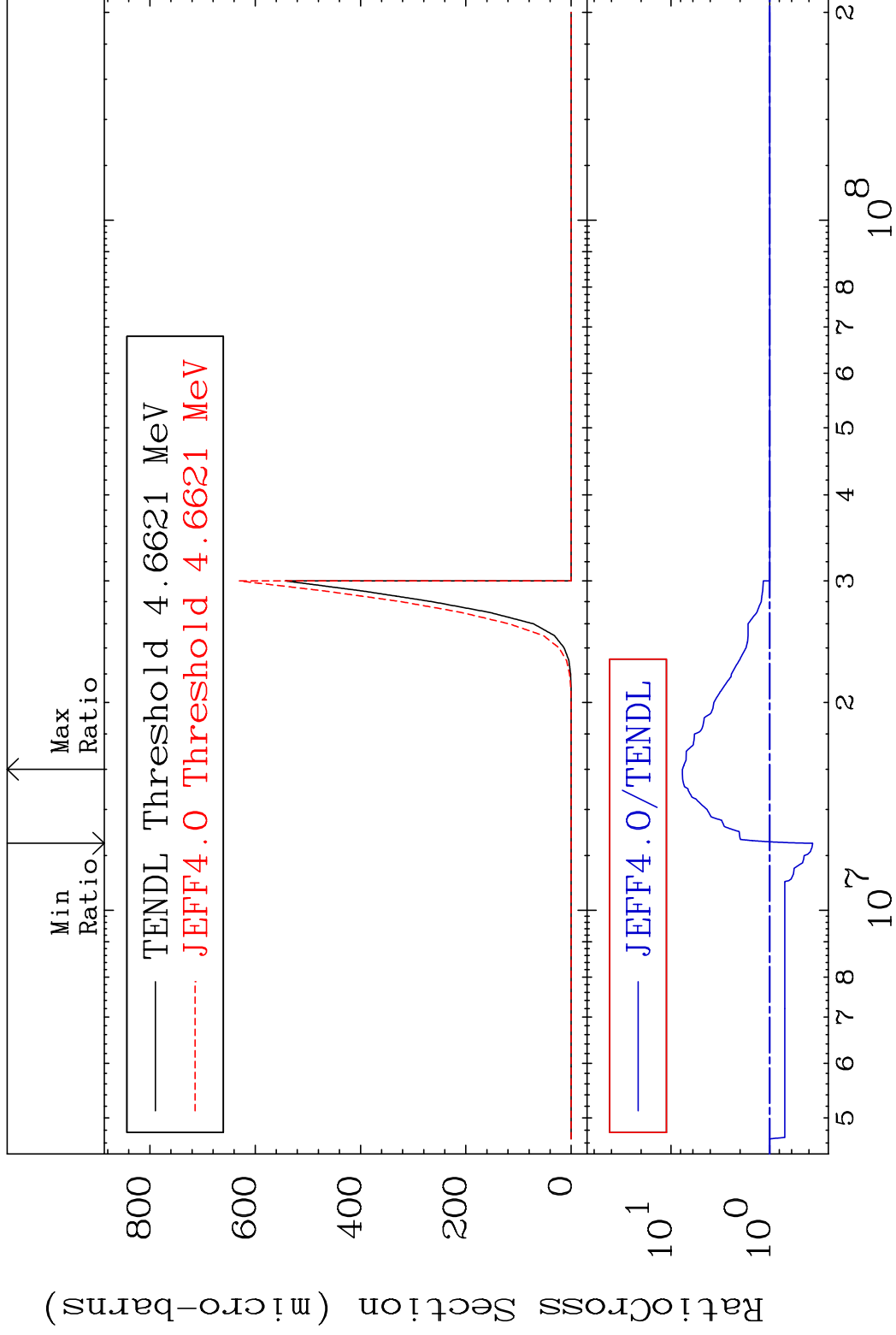
70-Yb-170

MAT 7031

(n, He-3)

70-Yb-170

Cross Section -63.16 To 666.3 %



55

Incident Energy (eV)

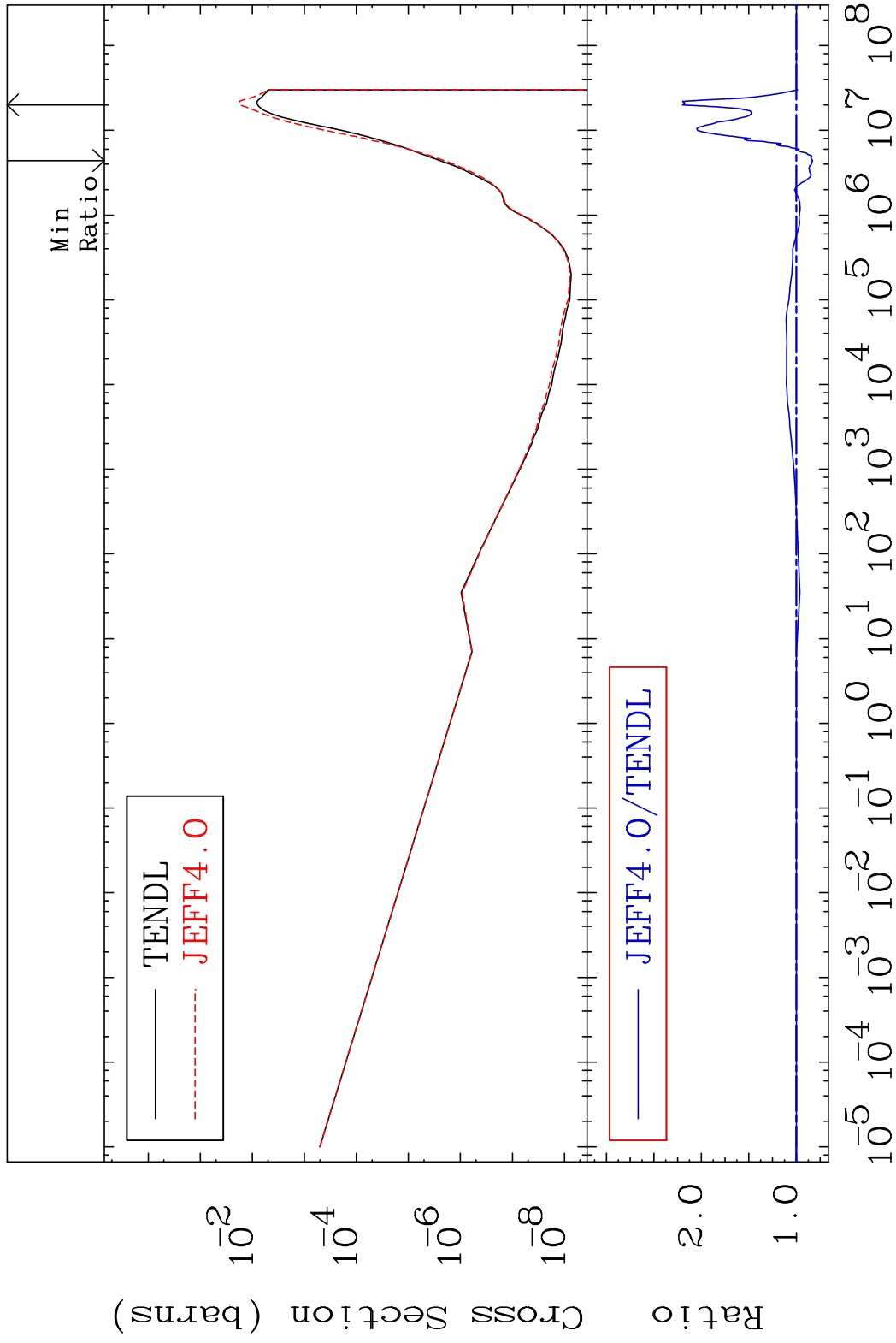
70-Yb-170

MAT 7031

(n, α)

70-Yb-170

Cross Section -17.12 To 120.1 %



56

Incident Energy (eV)

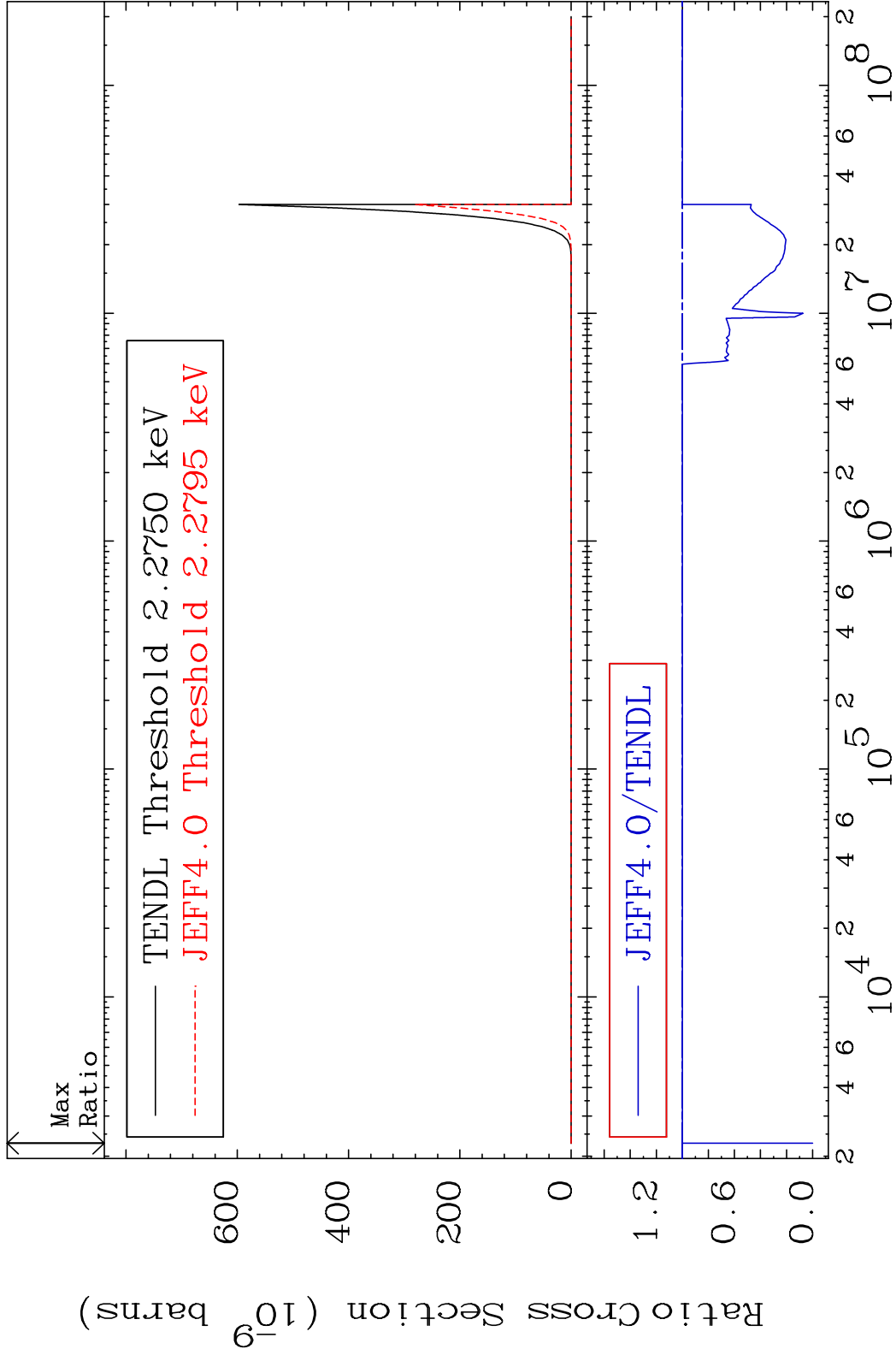
70-Yb-170

MAT 7031

(n,2α)

70-Yb-170

Cross Section -100.0 To 0.000 %

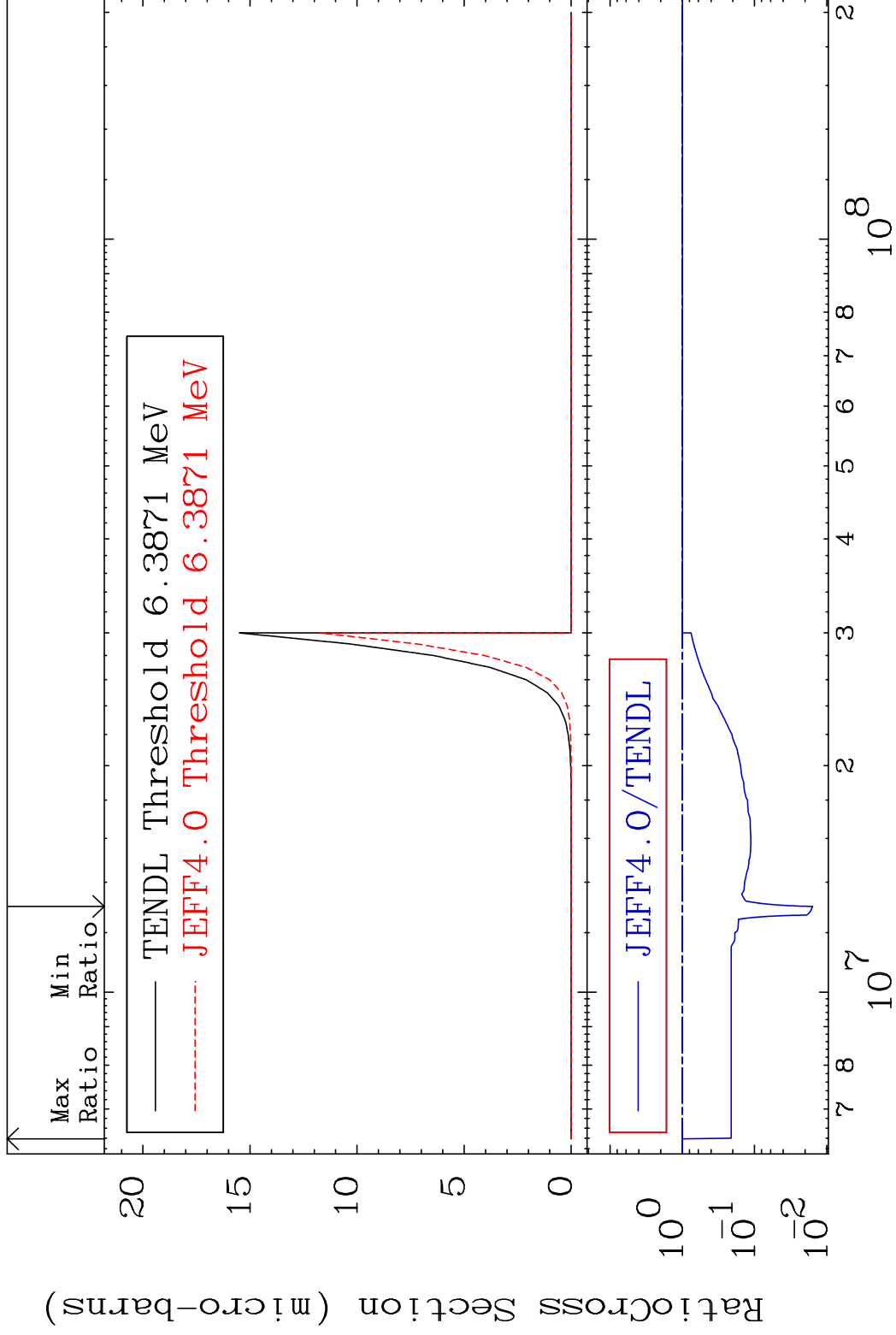


MAT 7031

(n,2p)

70-Yb-170

Cross Section -98.43 To 0.000 %



58

Incident Energy (eV)

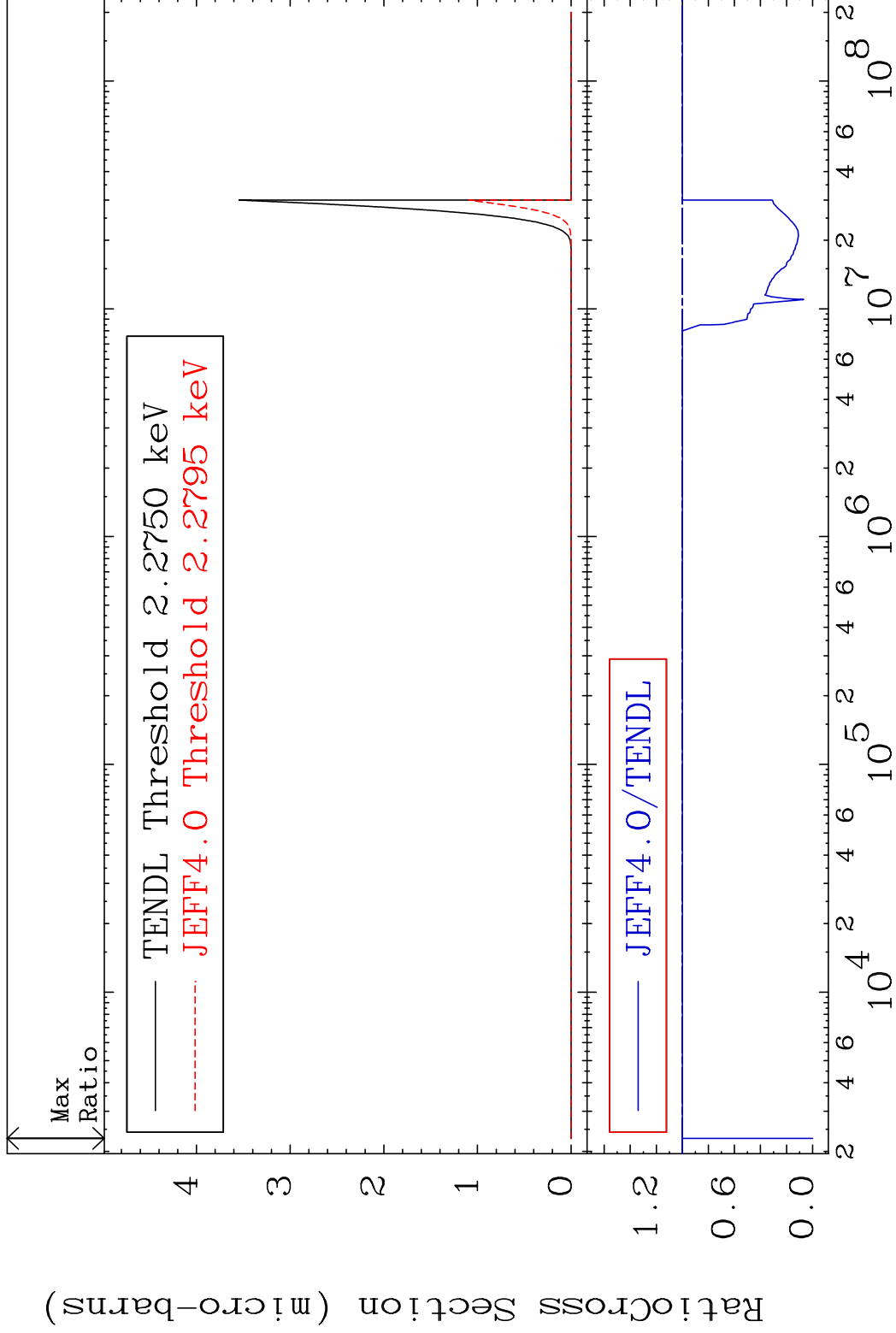
70-Yb-170

MAT 7031

(n,p) α

70-Yb-170

Cross Section -100.0 To 0.000 %



59

Incident Energy (eV)

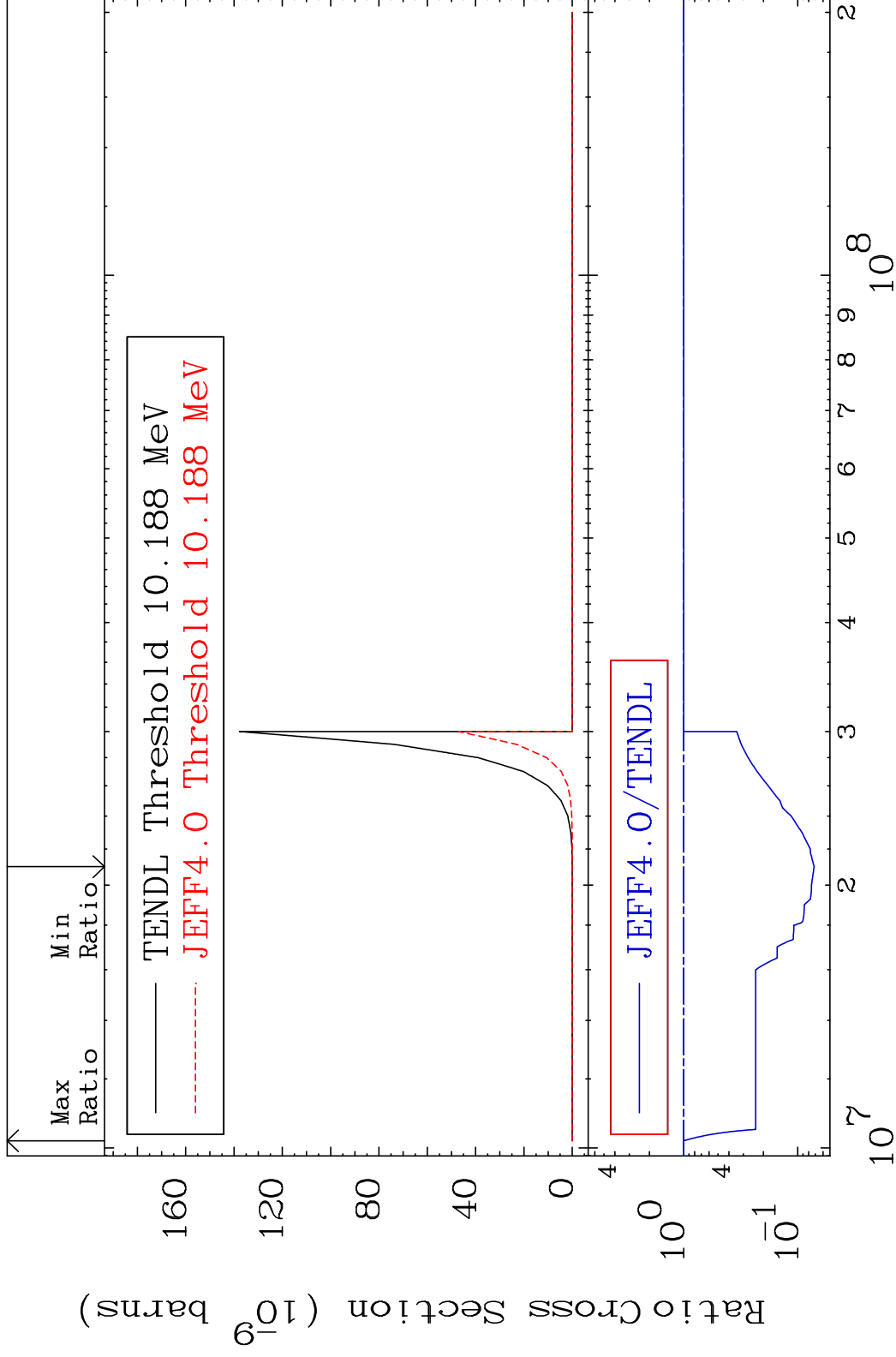
70-Yb-170

MAT 7031

(n,p) d

70-Yb-170

Cross Section -92.82 To 0.000 %



60

Incident Energy (eV)

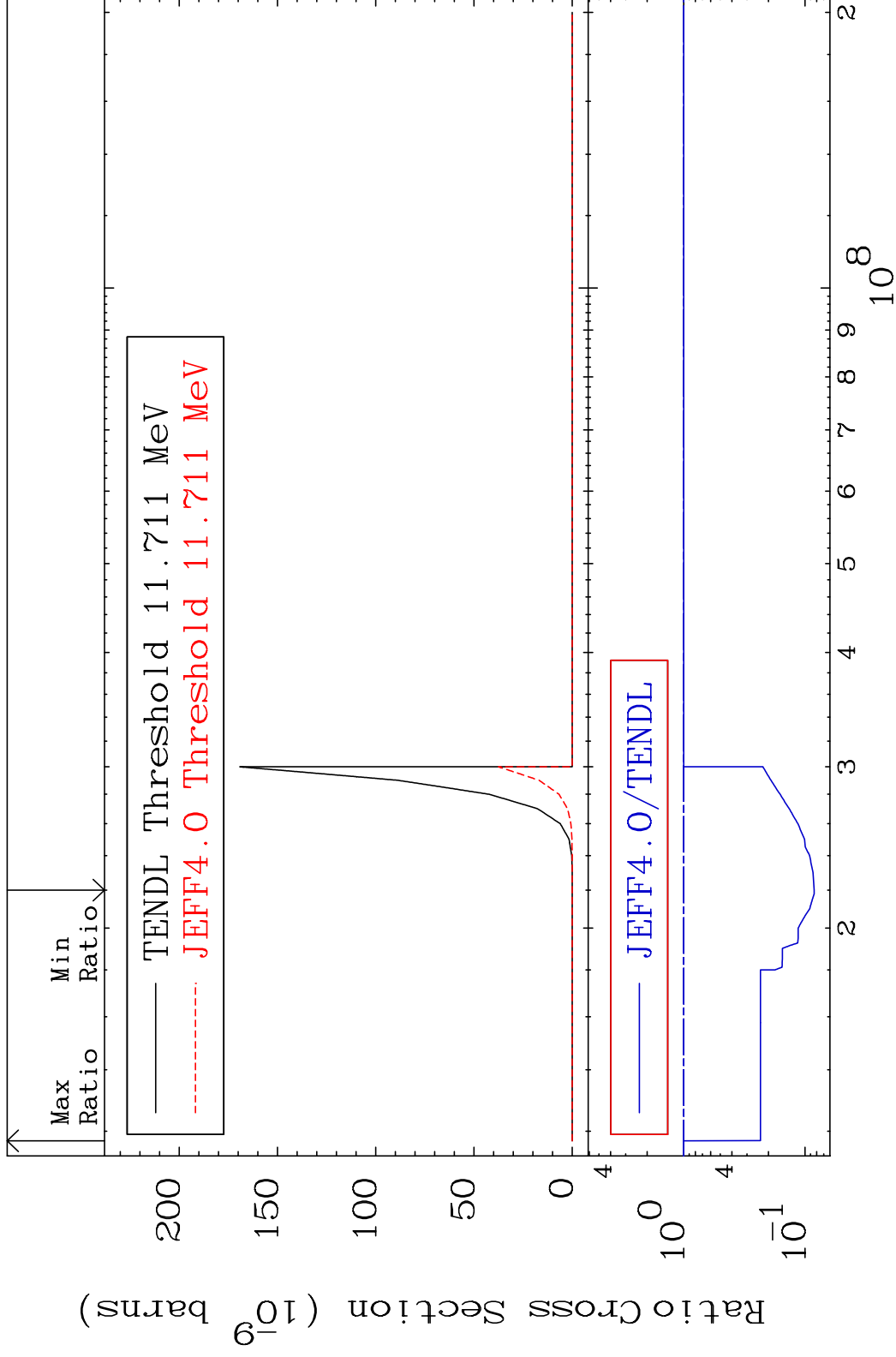
70-Yb-170

MAT 7031

(n,p) t

70-Yb-170

Cross Section -91.59 To 0.000 %

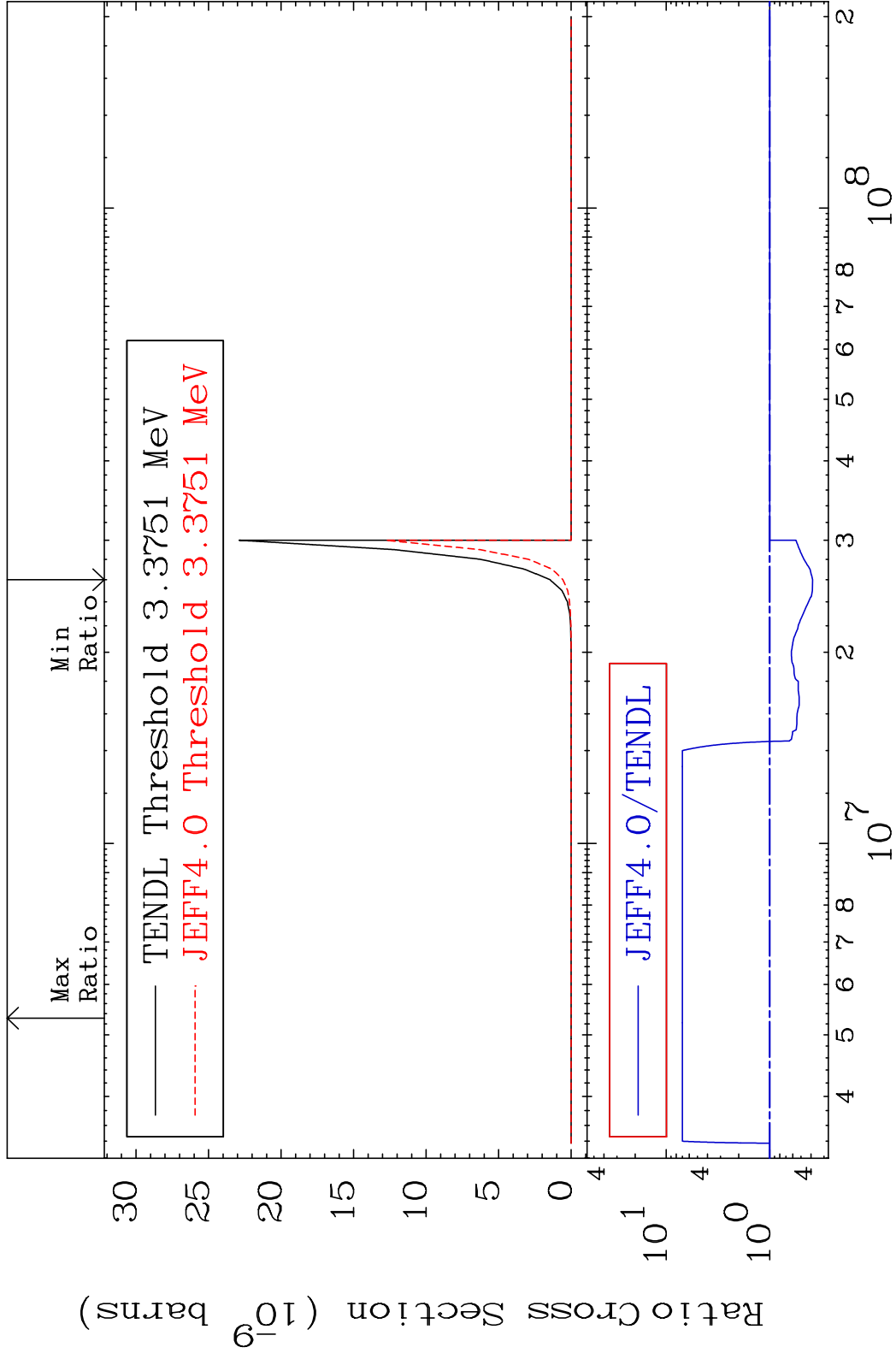


61

Incident Energy (eV)

70-Yb-170

MAT 7031 (n,d) α 70-Yb-170
 Cross Section -61.35 To 599.3 %

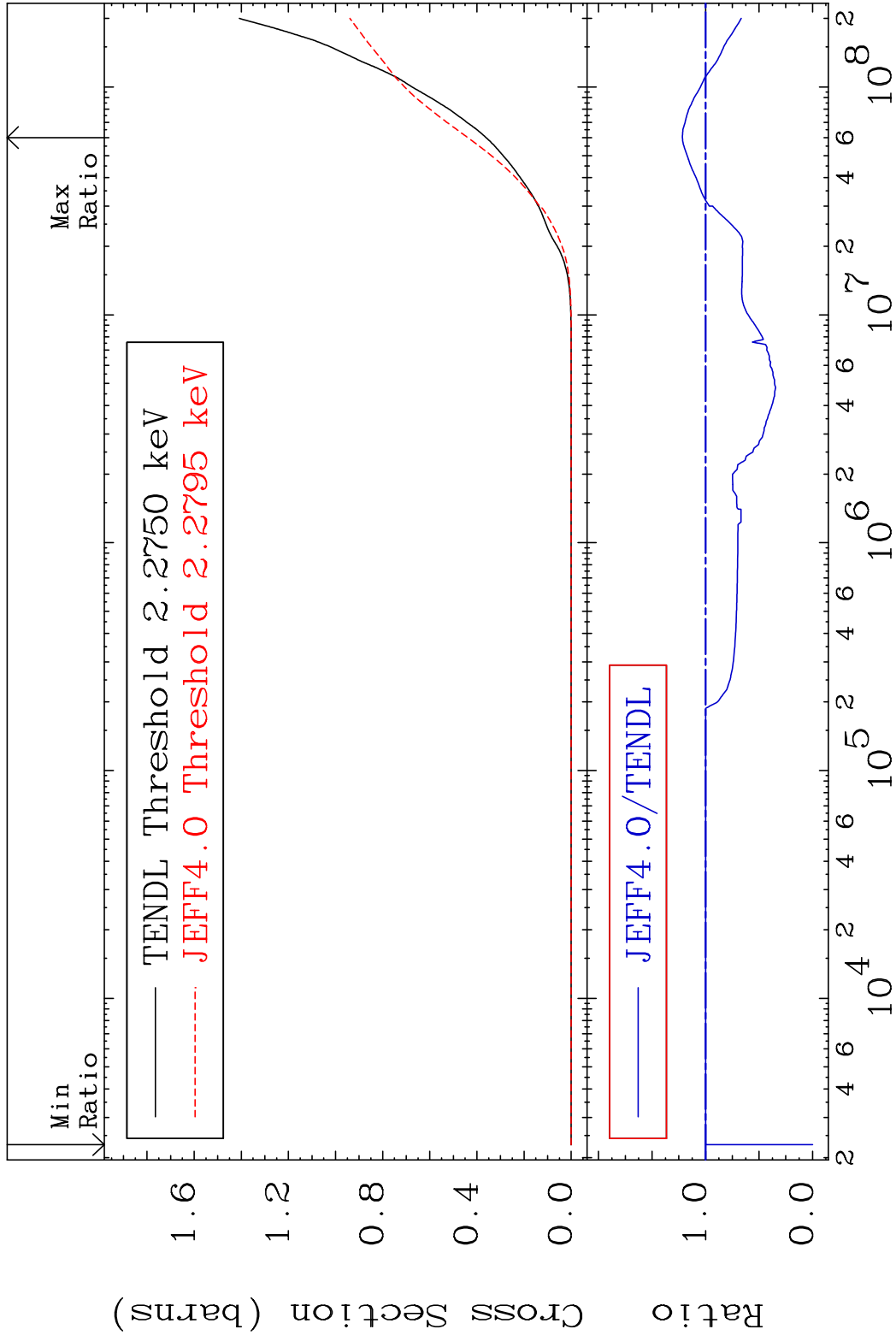


MAT 7031

Hydrogen Production

70-Yb-170

Cross Section -100.0 To 21.69 %

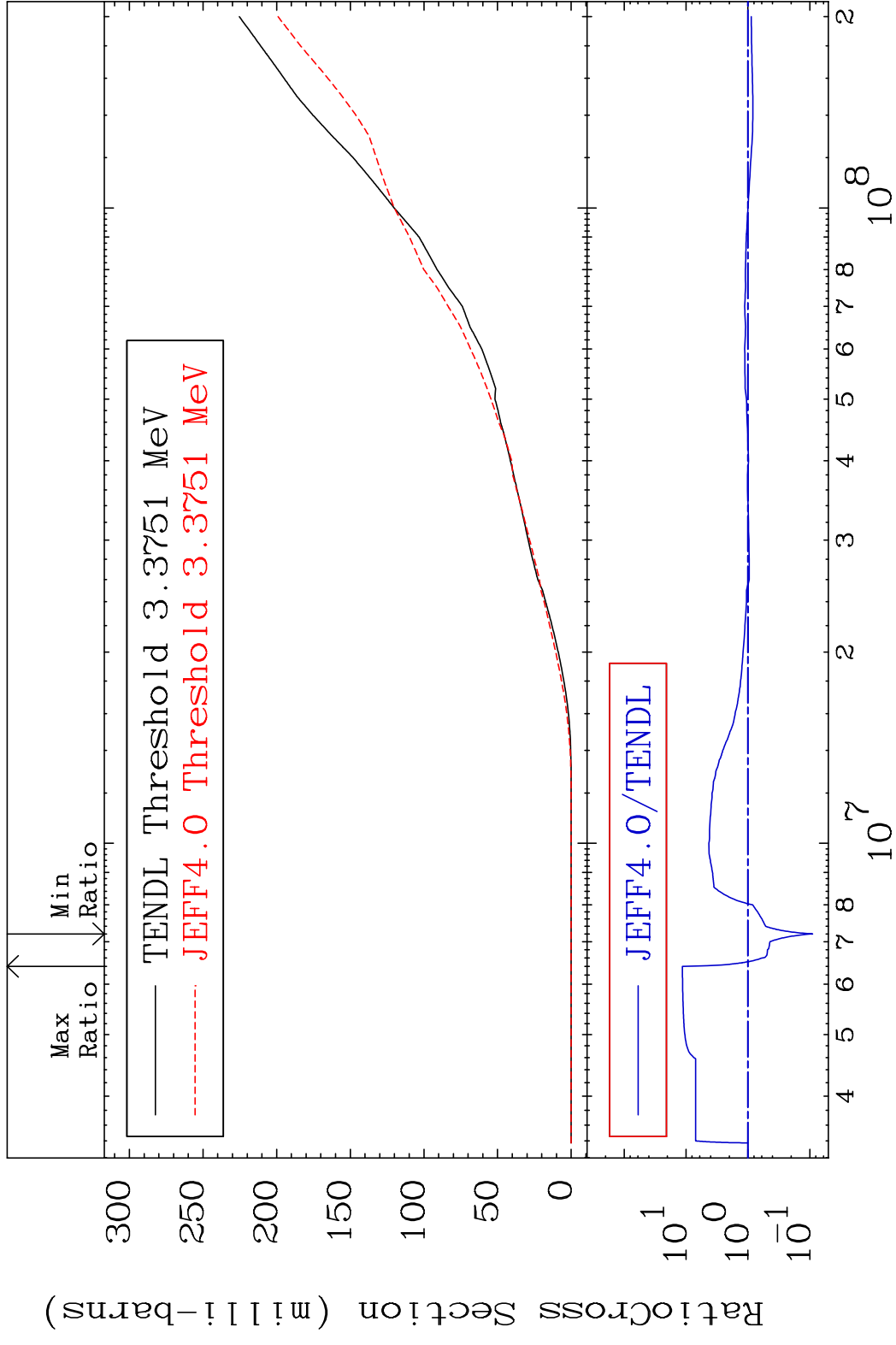


63

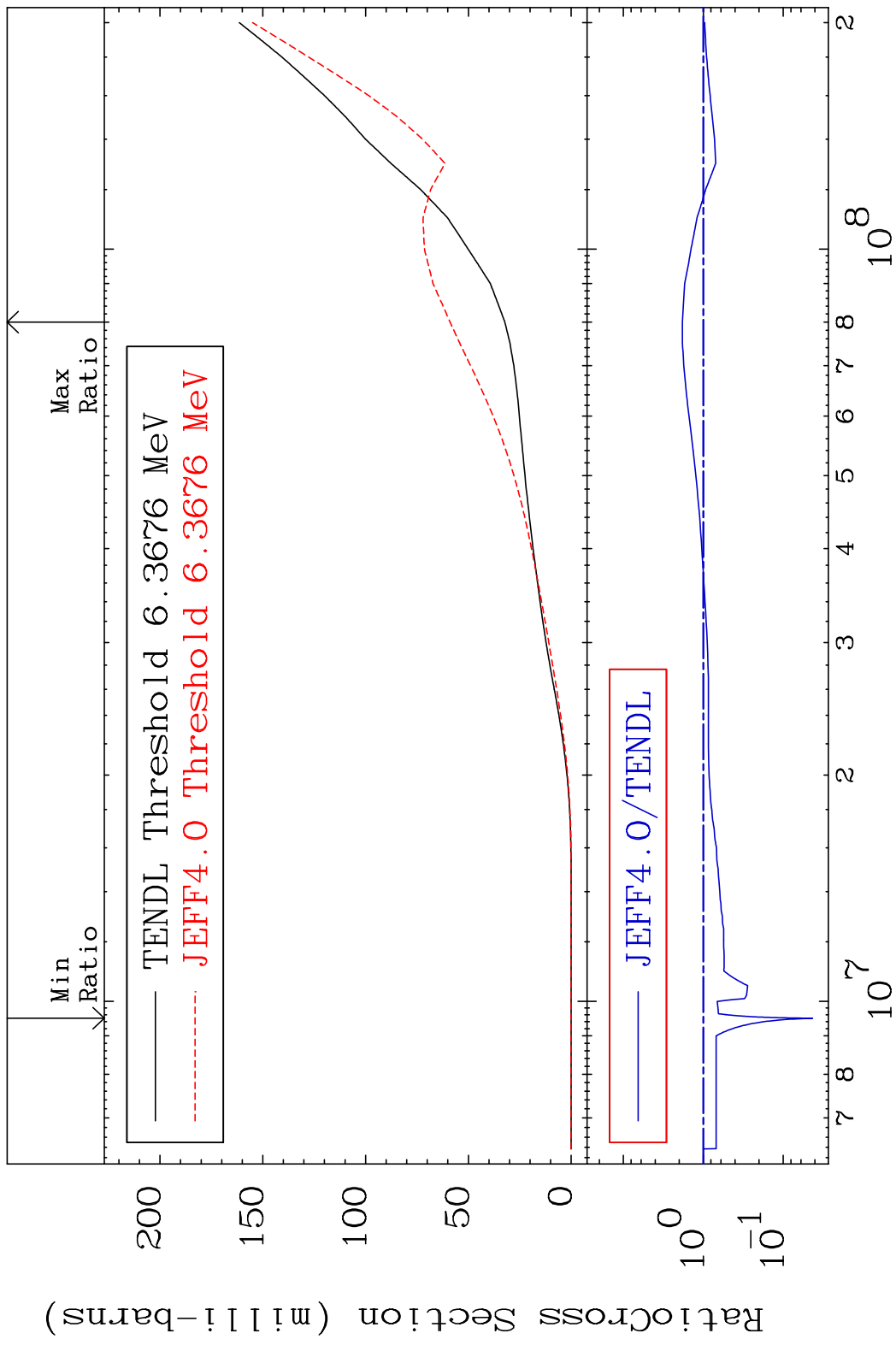
Incident Energy (eV)

70-Yb-170

MAT 7031 Deuterium Production 70-Yb-170
 Cross Section -90.97 To 1048. %



MAT 7031 Tritium Production 70-Yb-170
 Cross Section -95.71 To 82.62 %

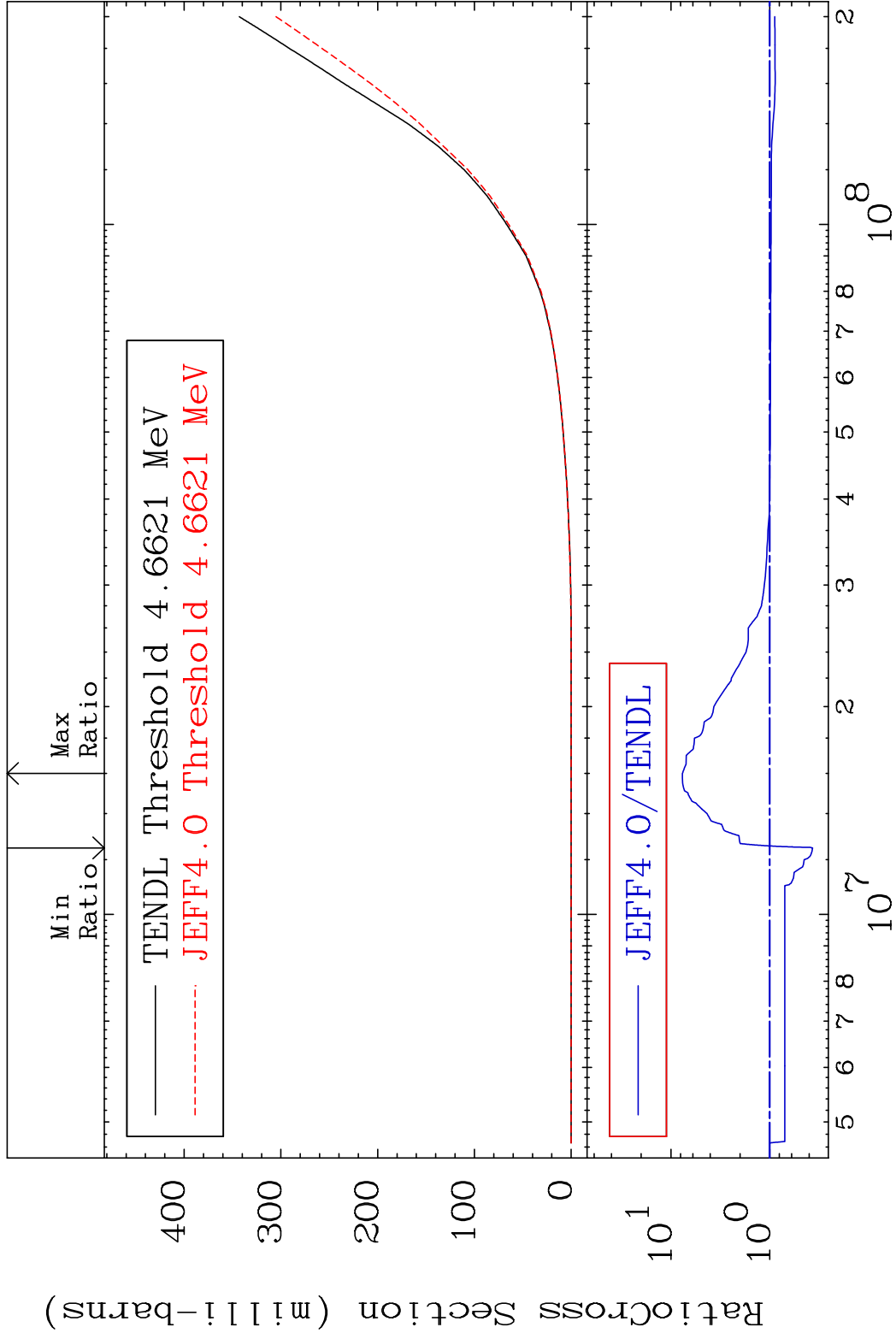


MAT 7031

He-3 Production

70-Yb-170

Cross Section -63.11 To 666.3 %



66

Incident Energy (eV)

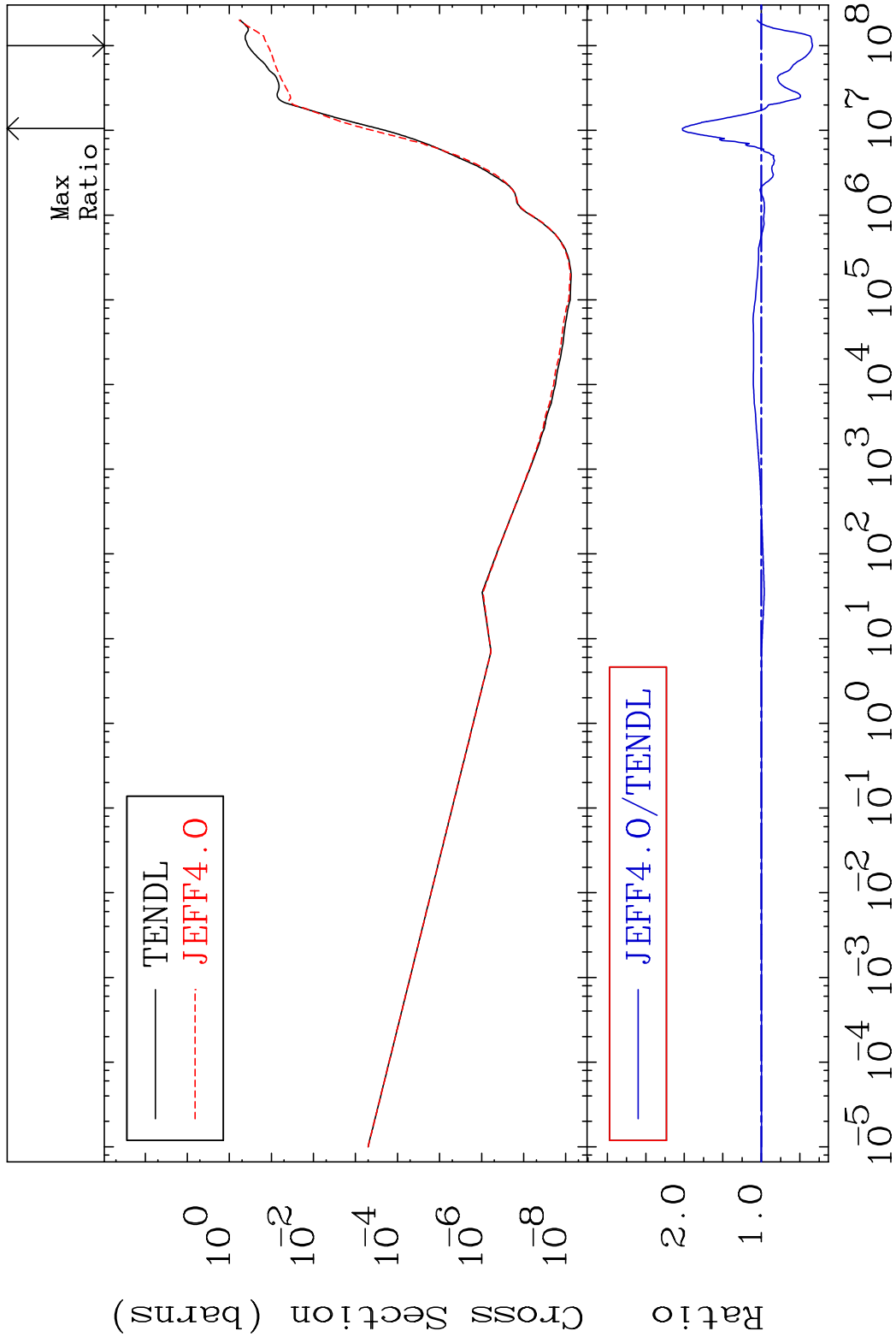
70-Yb-170

MAT 7031

He-4 Production

70-Yb-170

Cross Section -66.38 To 102.6 %

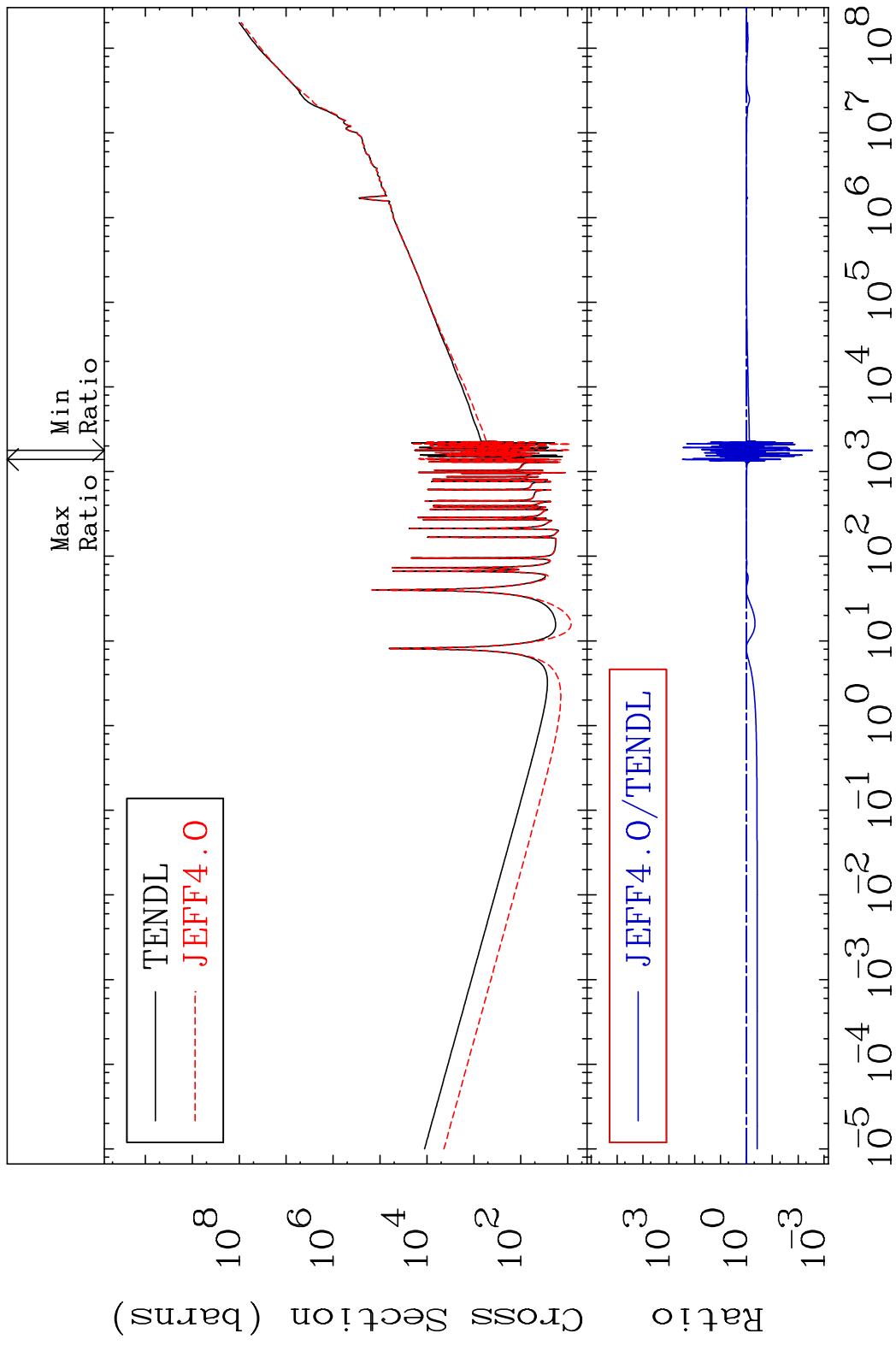


67

Incident Energy (eV)

70-Yb-170

MAT 7031 Kerma total (eV-barns) 70-Yb-170
 Cross Section -99.72 To 9999. %

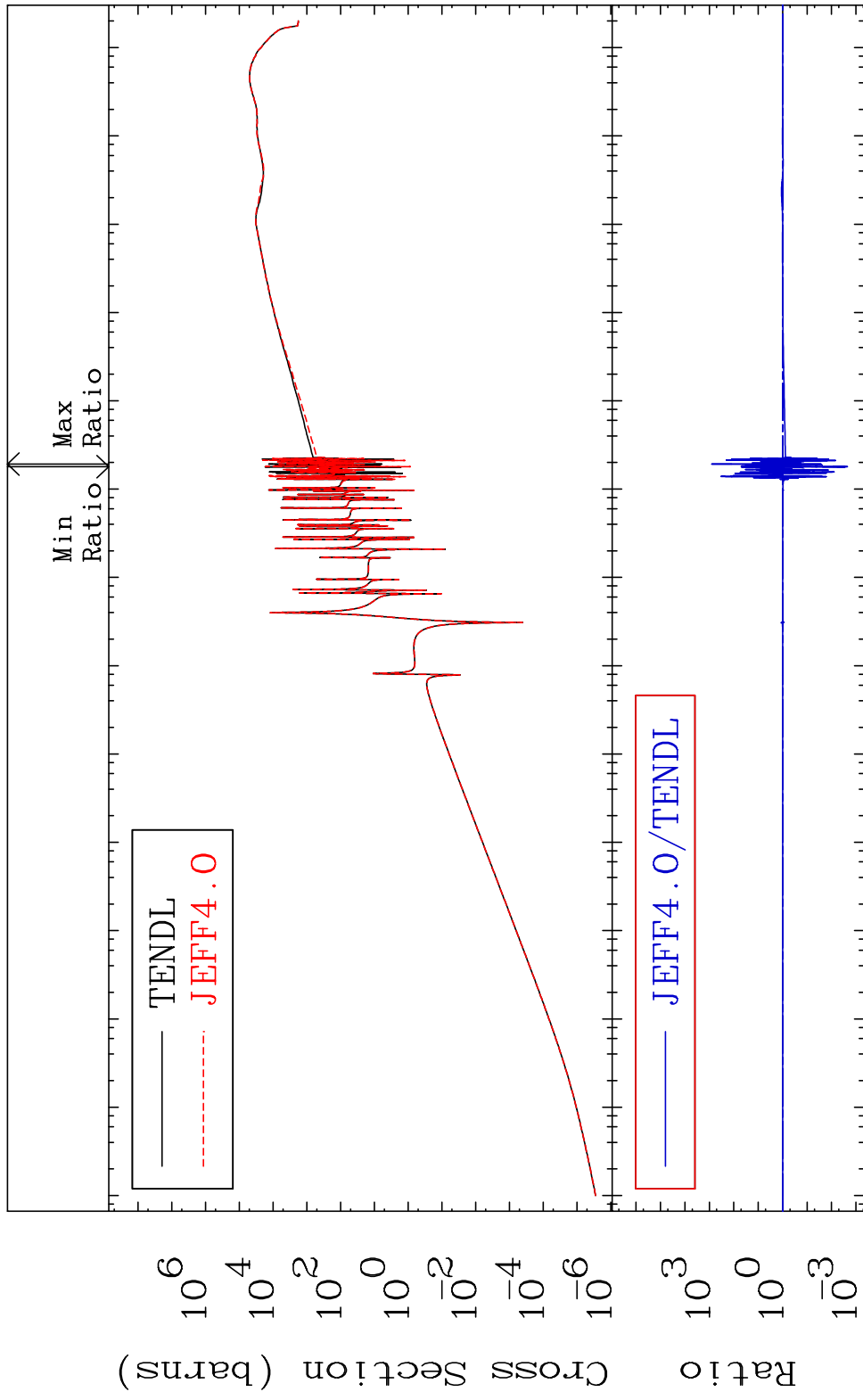


MAT 7031

Kerma elastic

70-Yb-170

Cross Section -99.77 To 9999. %

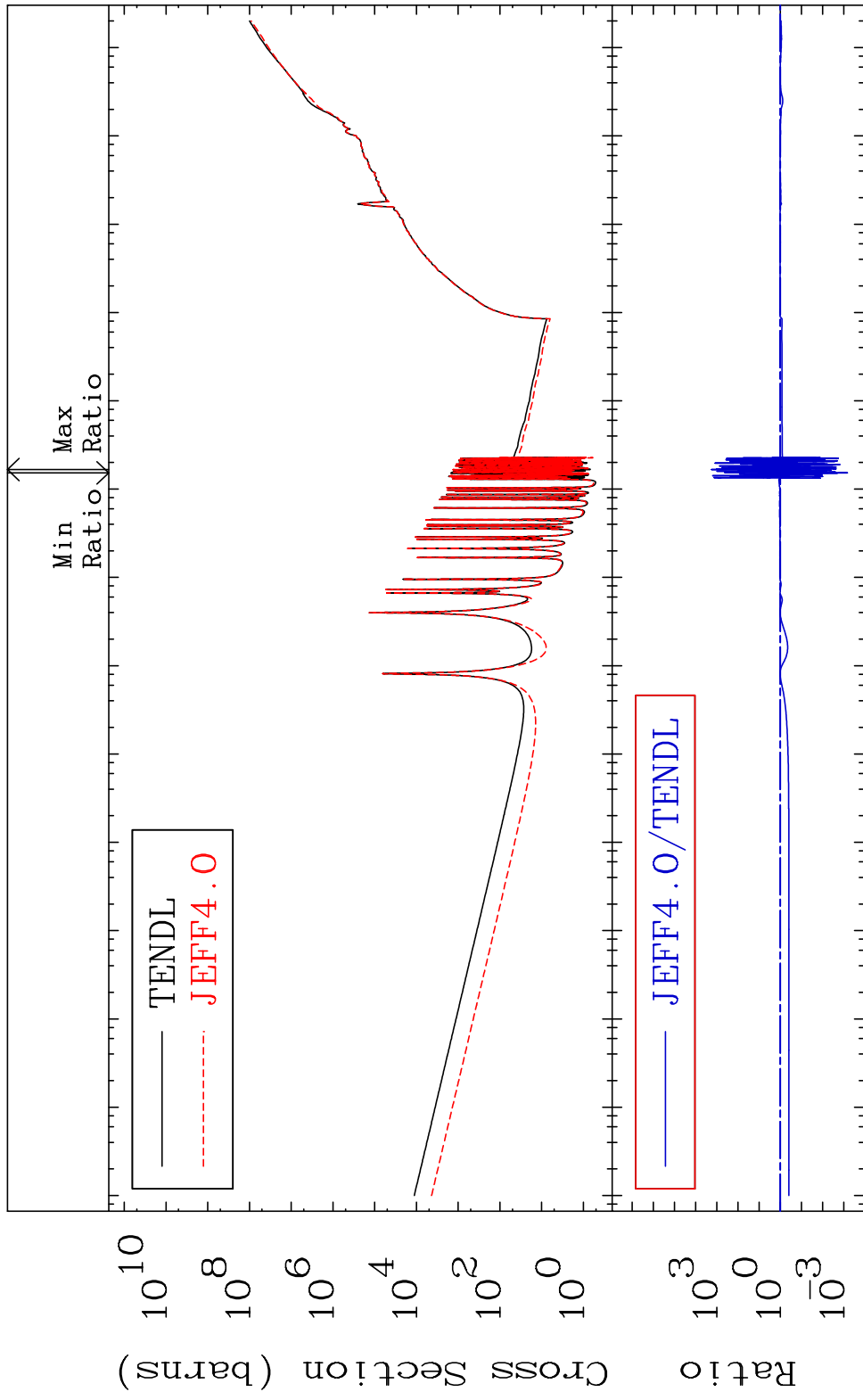


69

Incident Energy (eV)

70-Yb-170

MAT 7031 Kerma non-elastic (all but mt2) 70-Yb-170
 Cross Section -99.93 To 9999. %



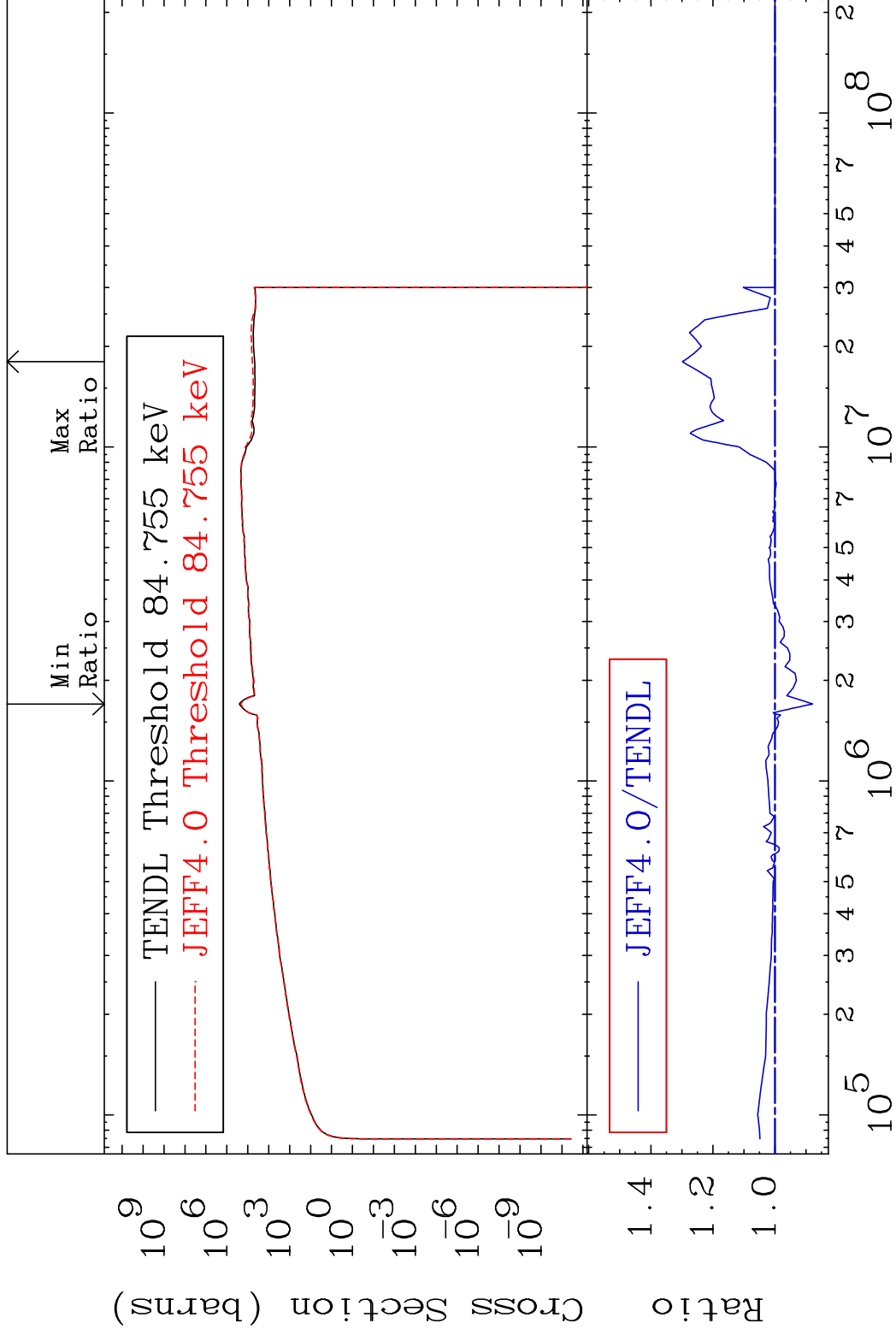
70 Incident Energy (eV) 70-Yb-170

MAT 7031

Kerma inelastic (mt51-91)

70-Yb-170

Cross Section -12.14 To 29.83 %

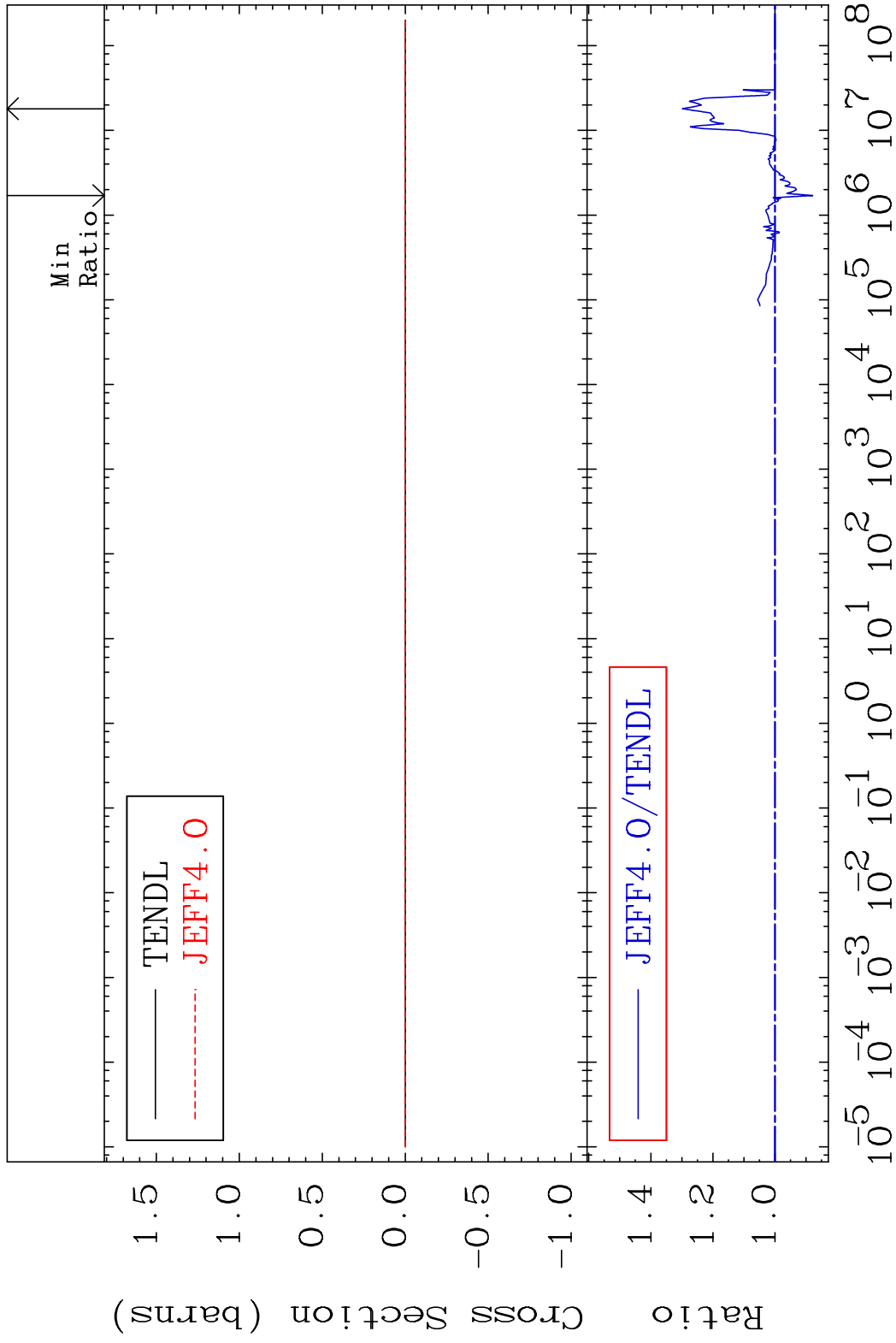


71

Incident Energy (eV)

70-Yb-170

MAT 7031 Kerma fission (mt18 or mt19-20-21-38)70-Yb-170
 Cross Section -12.14 To 29.83 %



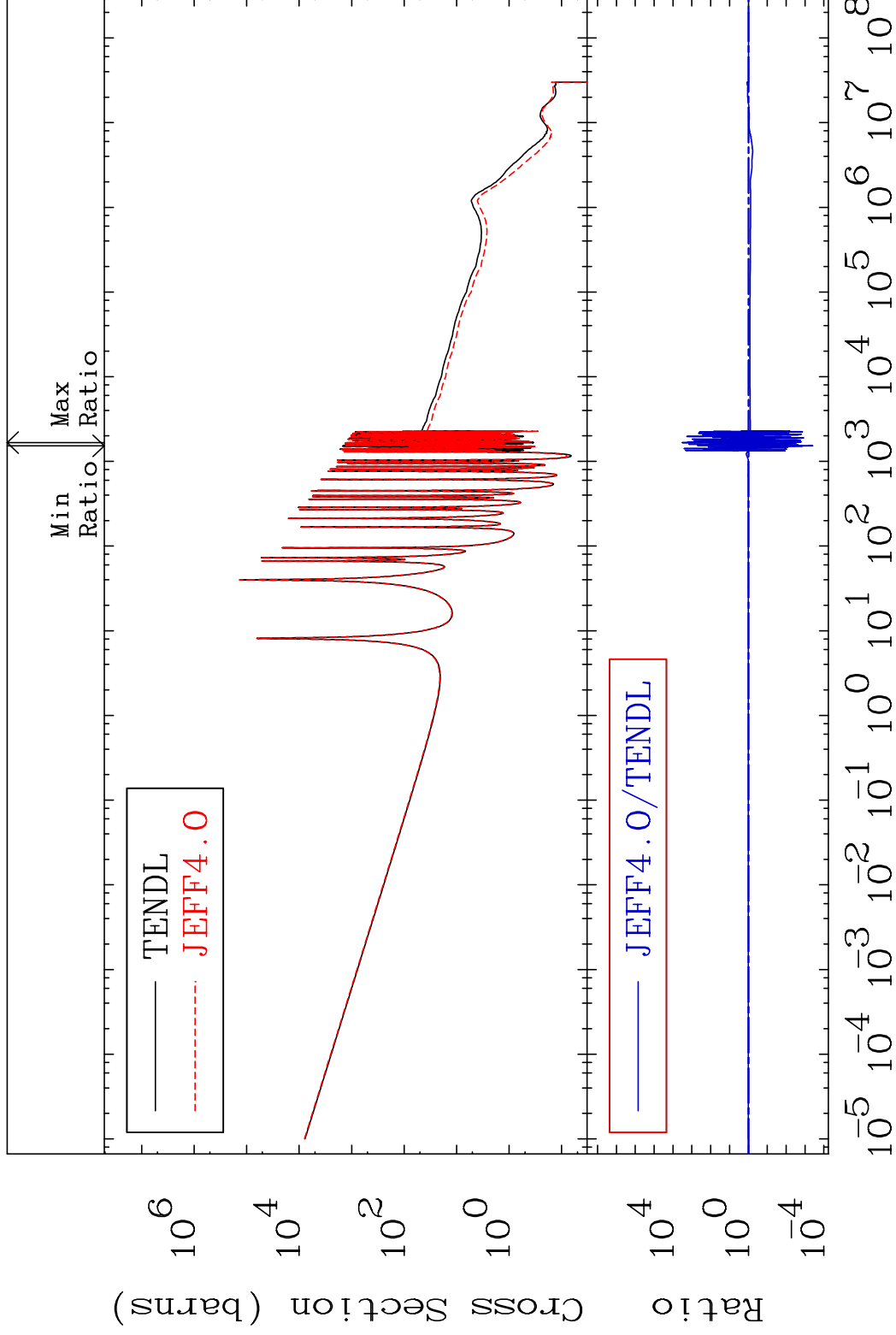
MAT 7031

Kerma capture (mt102)

70-Yb-170

Cross Section

-99.96 To 9999. %



73

Incident Energy (eV)

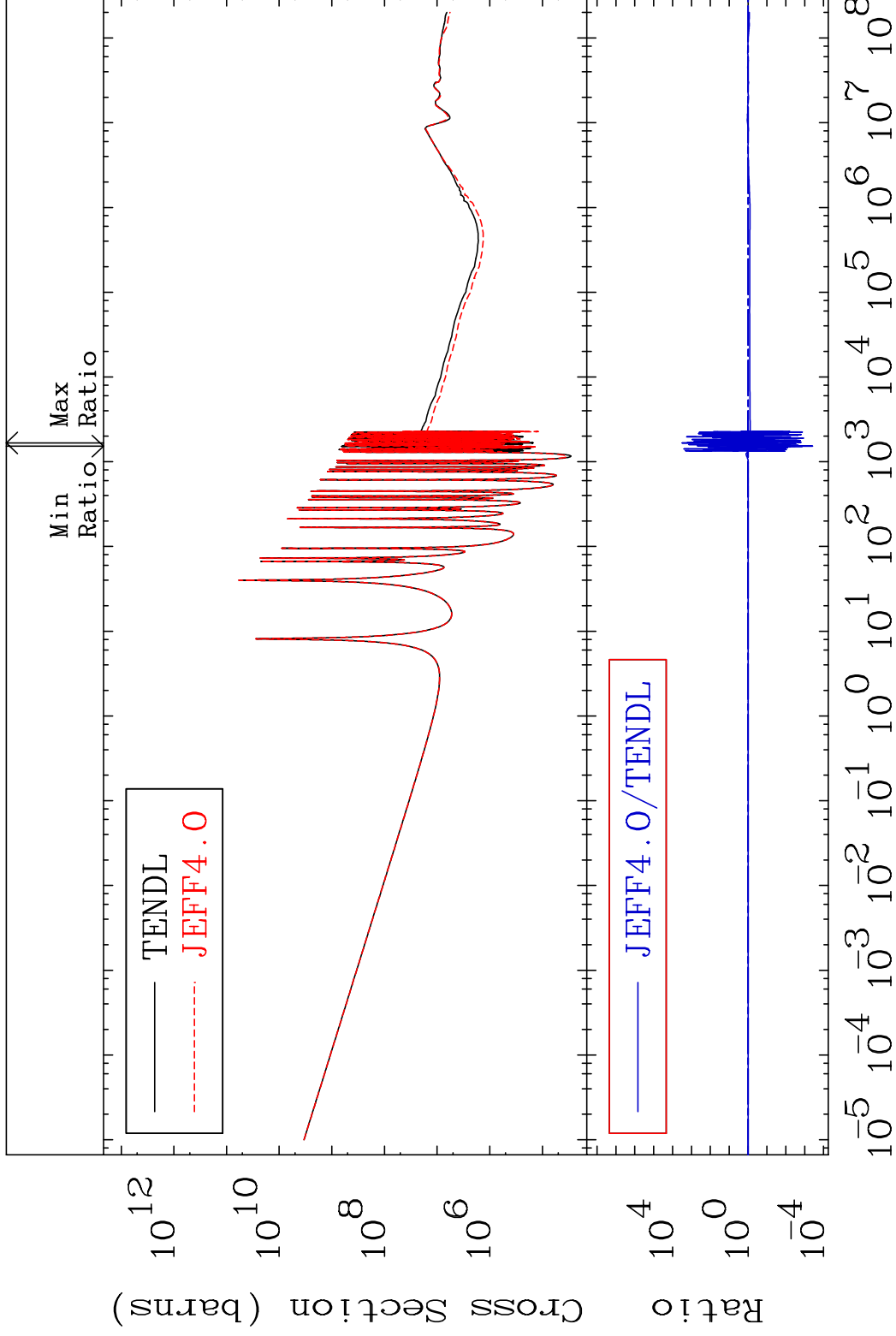
70-Yb-170

MAT 7031

Total photon (eV-barns)

70-Yb-170

Cross Section -99.96 To 9999. %

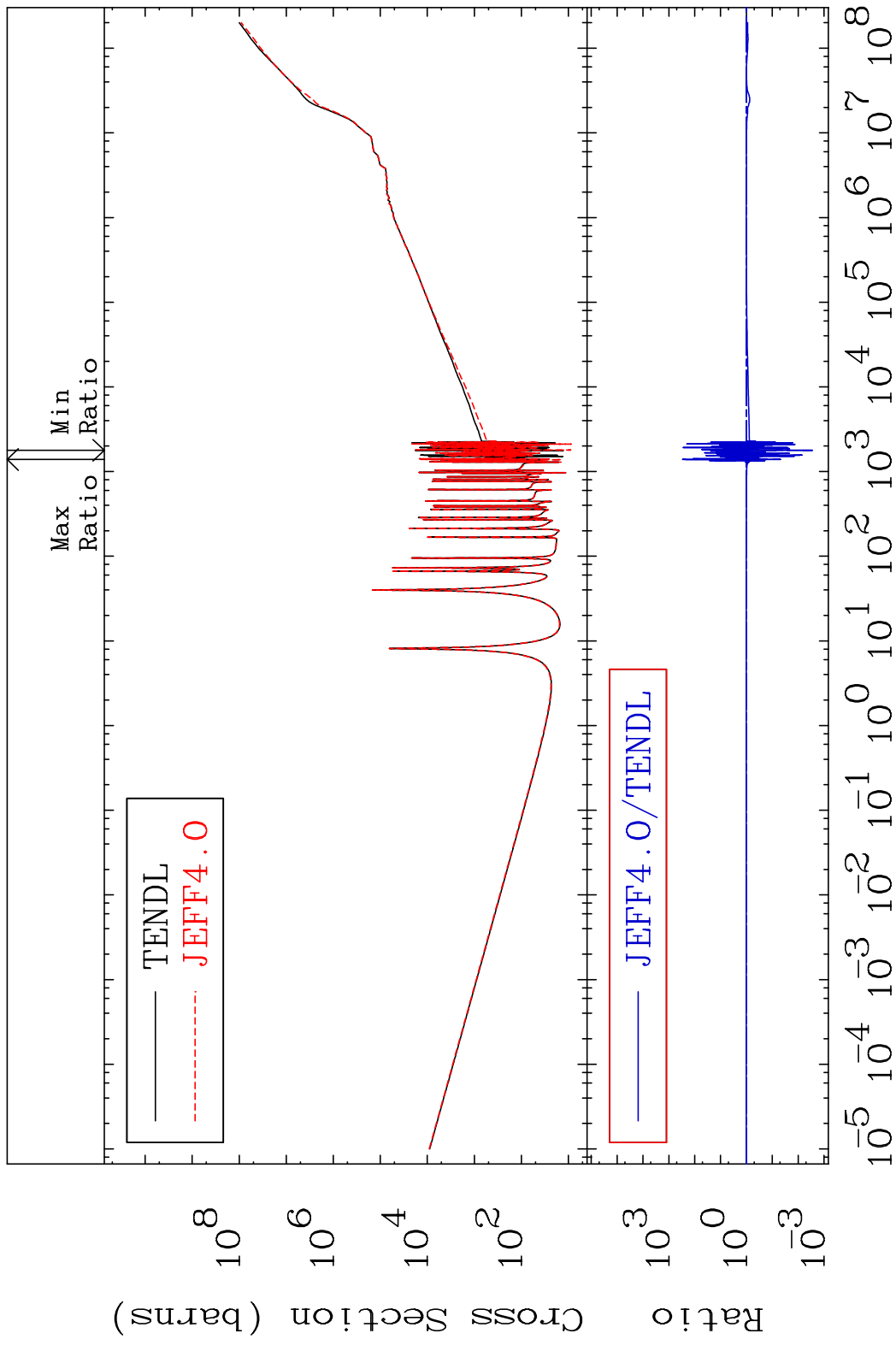


74

Incident Energy (eV)

70-Yb-170

MAT 7031 Total kinematic kerma (high limit) 70-Yb-170
Cross Section -99.72 To 9999. %



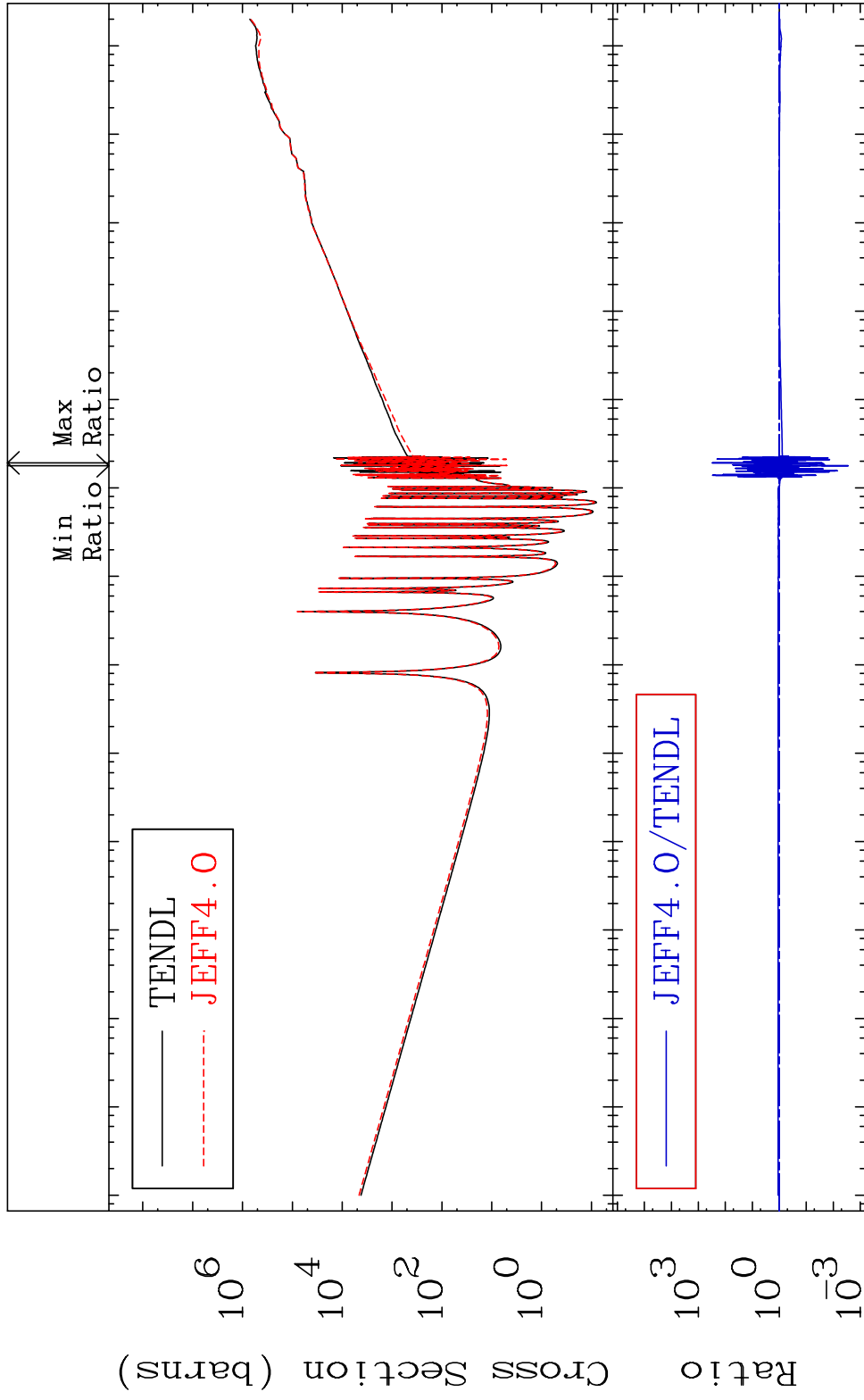
75 Incident Energy (eV) 70-Yb-170

MAT 7031

Dpa total (eV-barns)

70-Yb-170

Cross Section -99.72 To 9999. %



76

Incident Energy (eV)

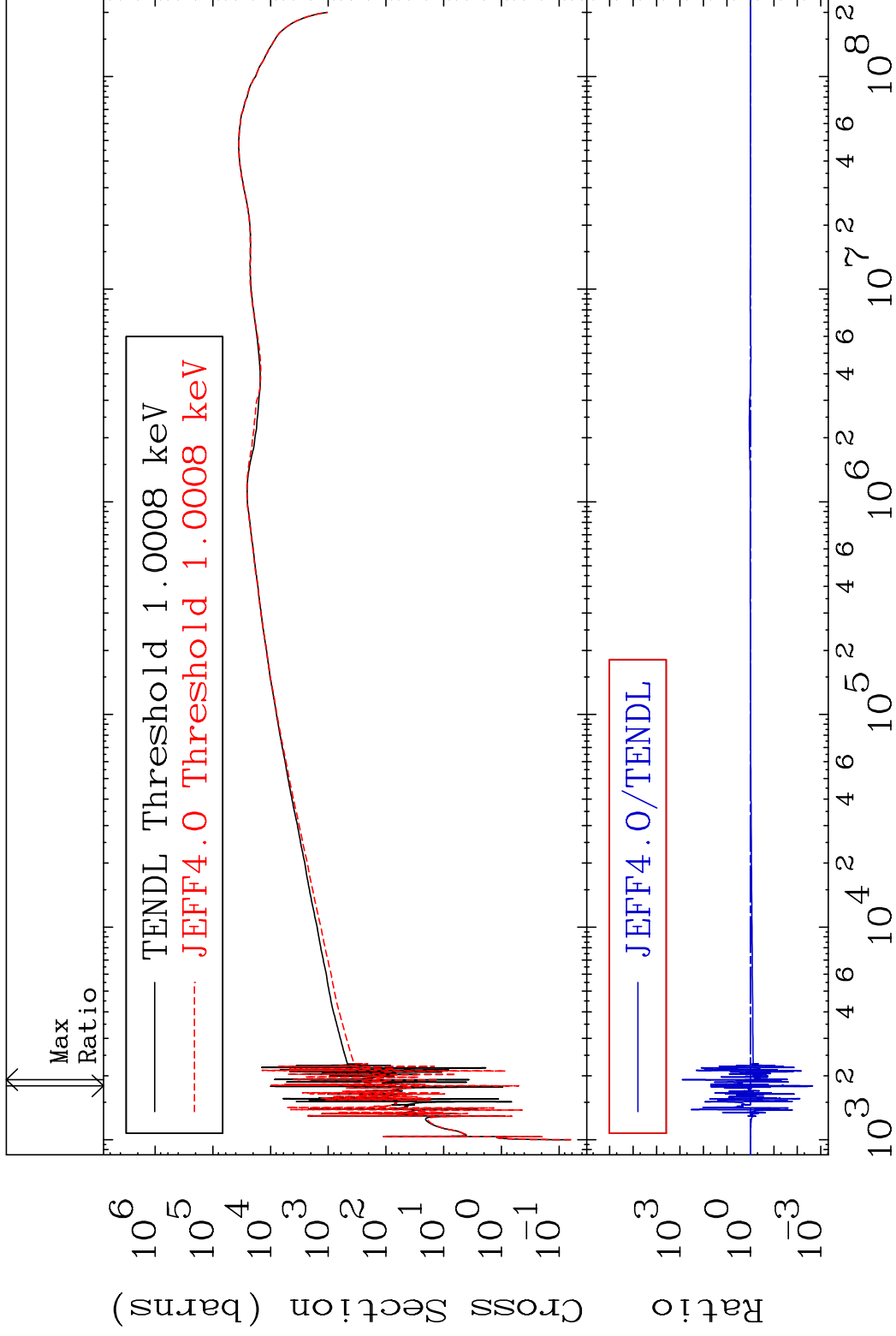
70-Yb-170

MAT 7031

Dpa elastic (mt2)

70-Yb-170

Cross Section -99.77 To 9999. %



77

Incident Energy (eV)

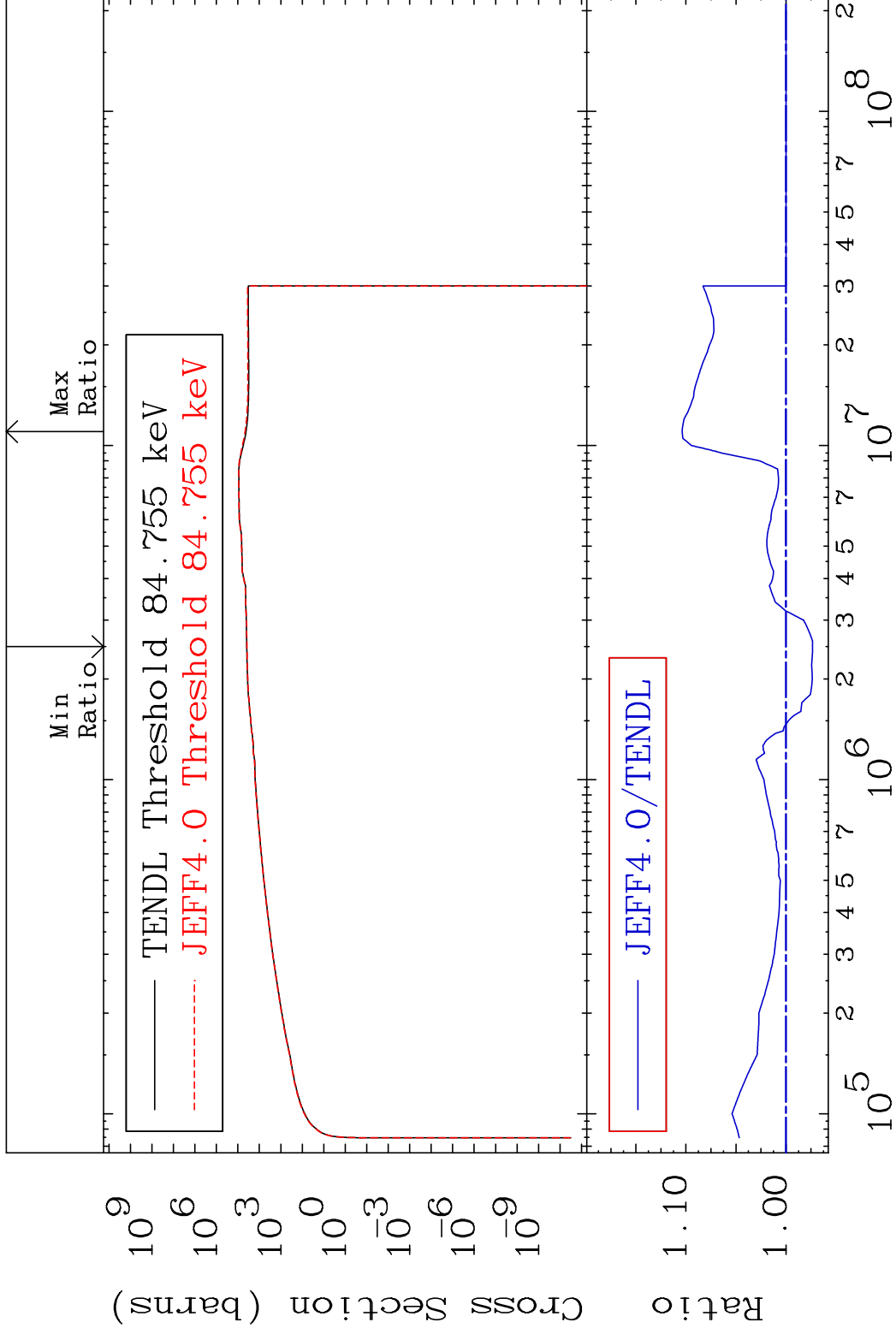
70-Yb-170

MAT 7031

Dpa inelastic (mt51-91)

70-Yb-170

Cross Section -2.646 To 10.38 %

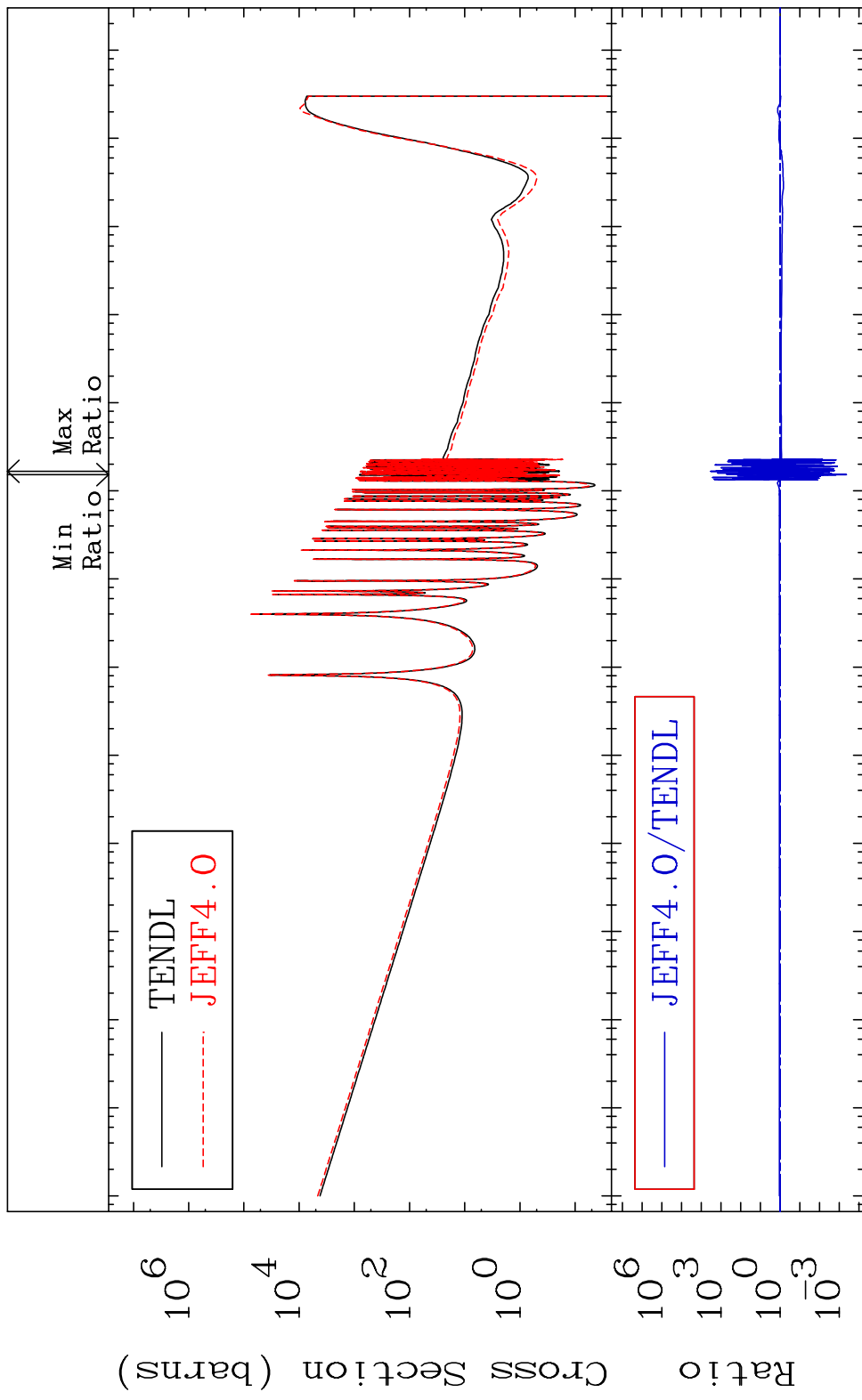


78

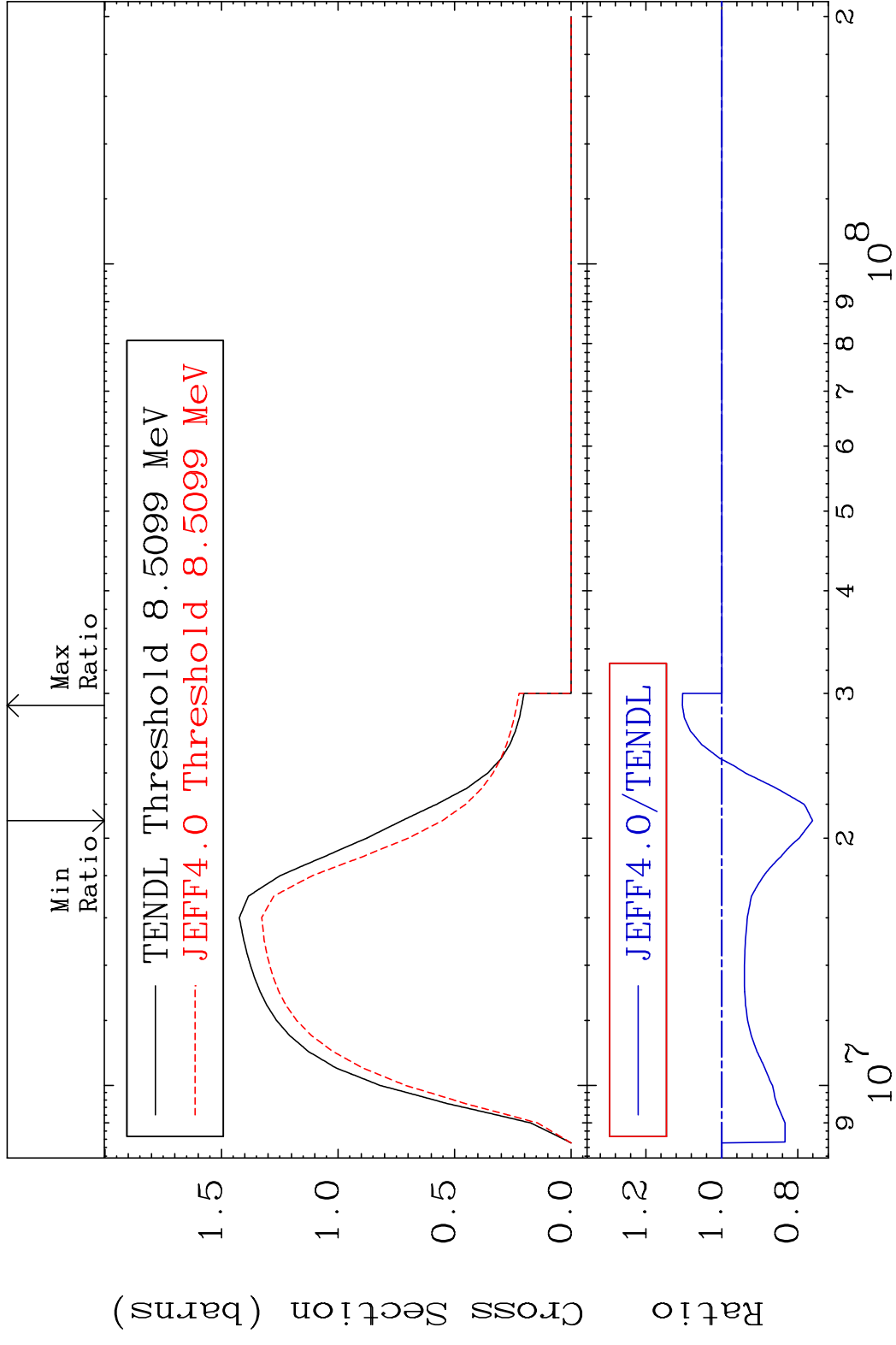
Incident Energy (eV)

70-Yb-170

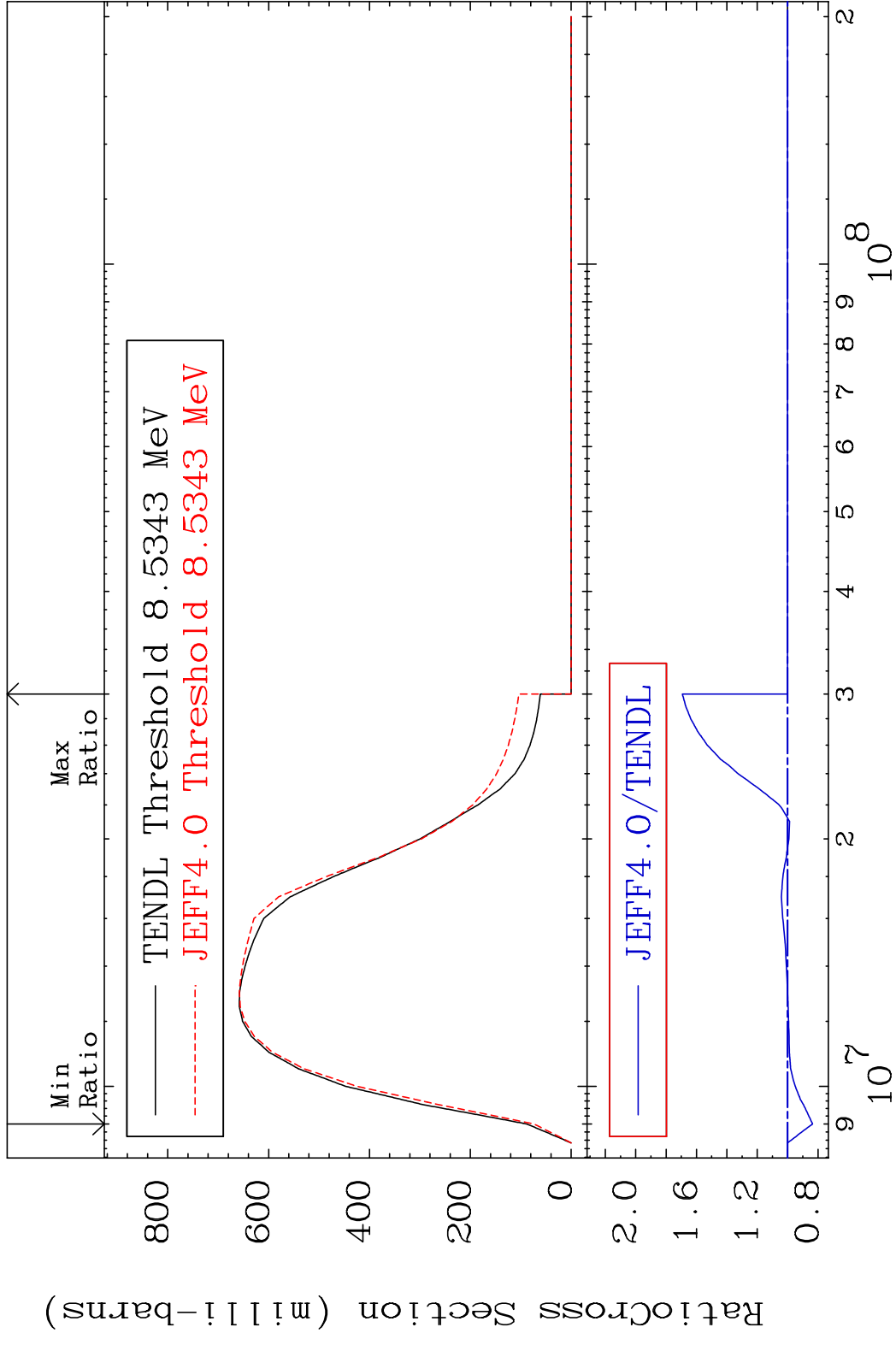
MAT 7031 Dpa disappearance (mt102 -120) 70-Yb-170
 Cross Section -99.96 To 9999. %

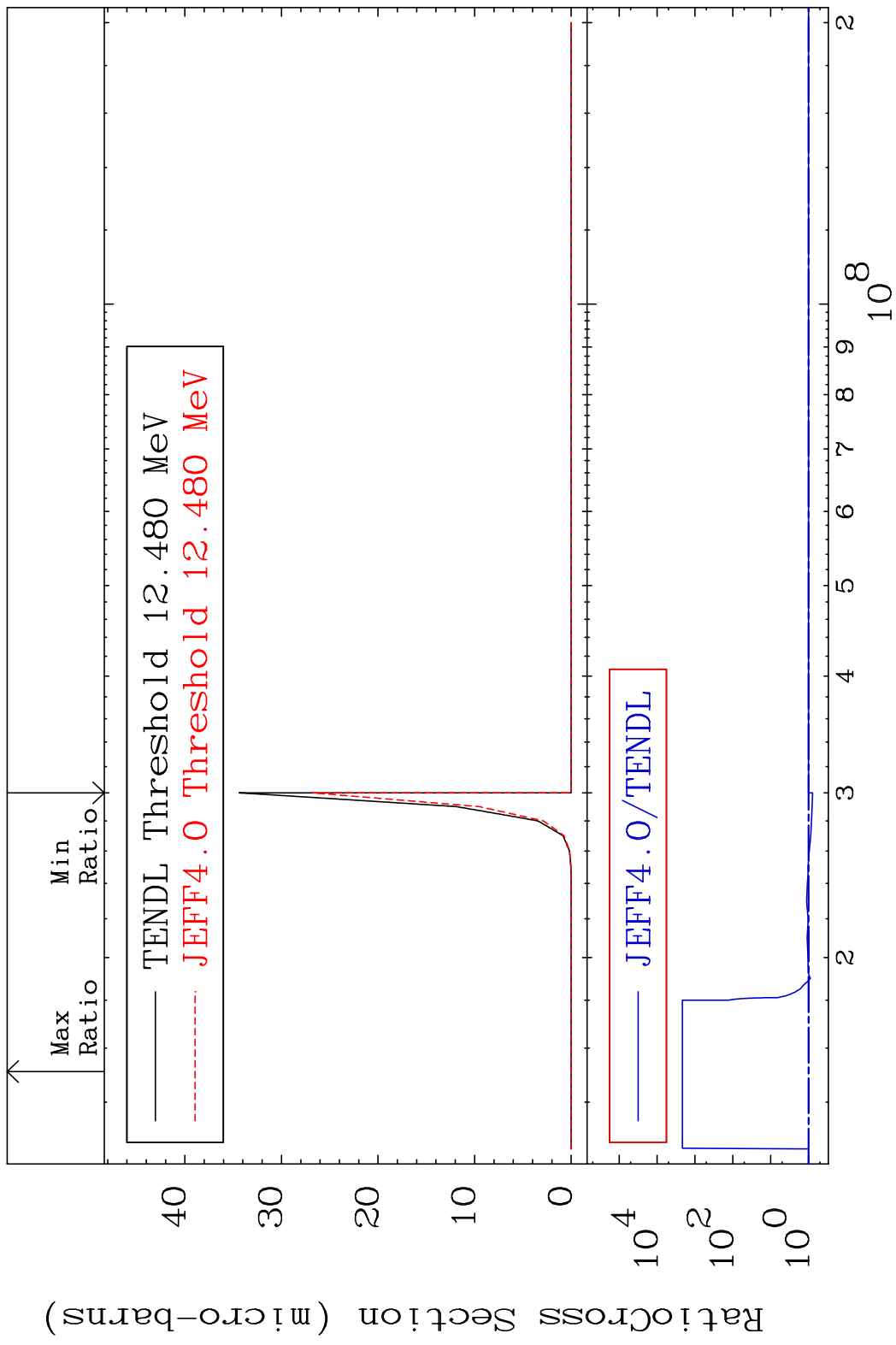


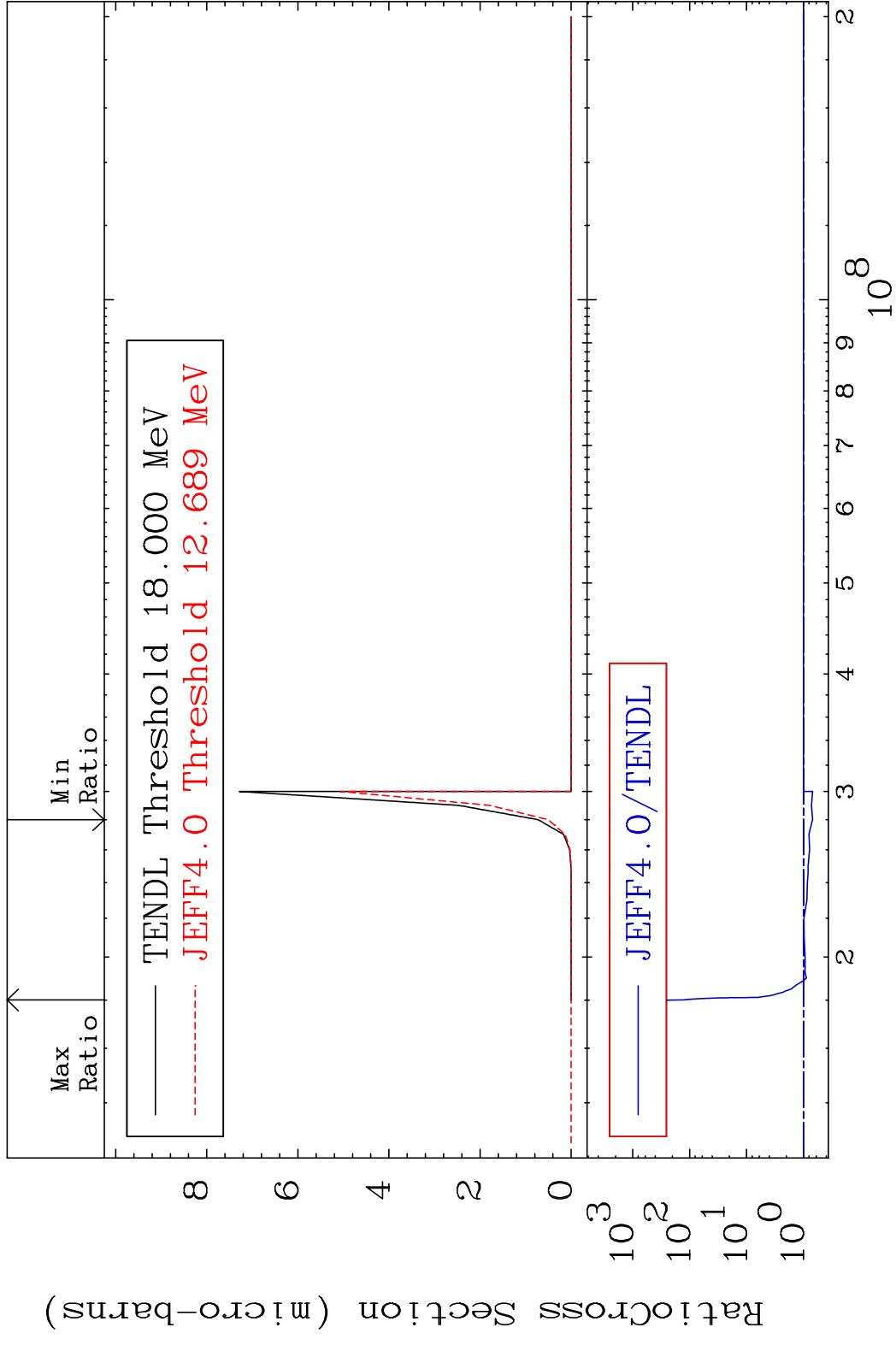
MAT 7031 (n,2n):70-Yb-169g 70-Yb-170
 Radionuclide Production Cross Section 10.37 %



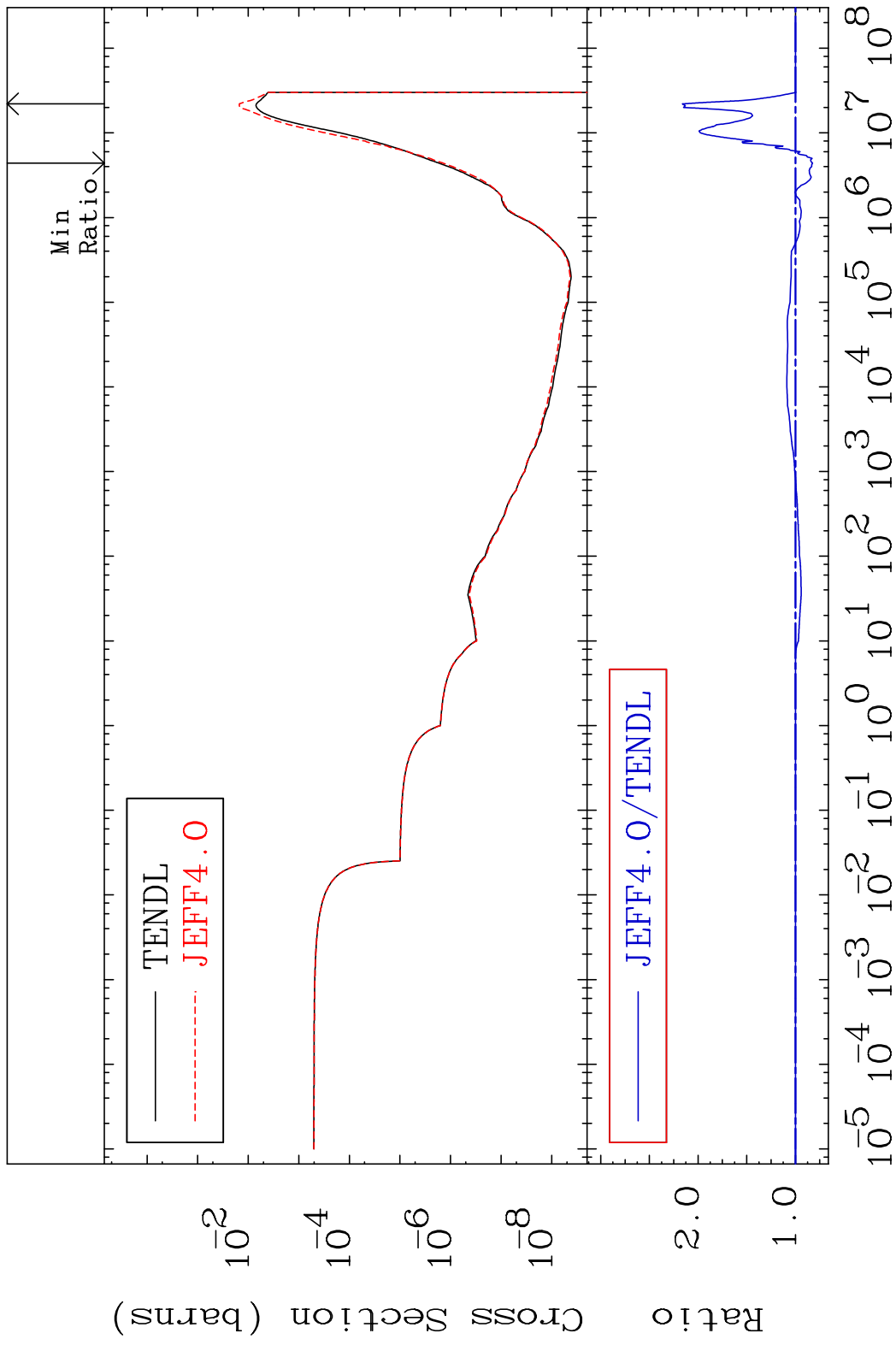
80 Incident Energy (eV) 70-Yb-170



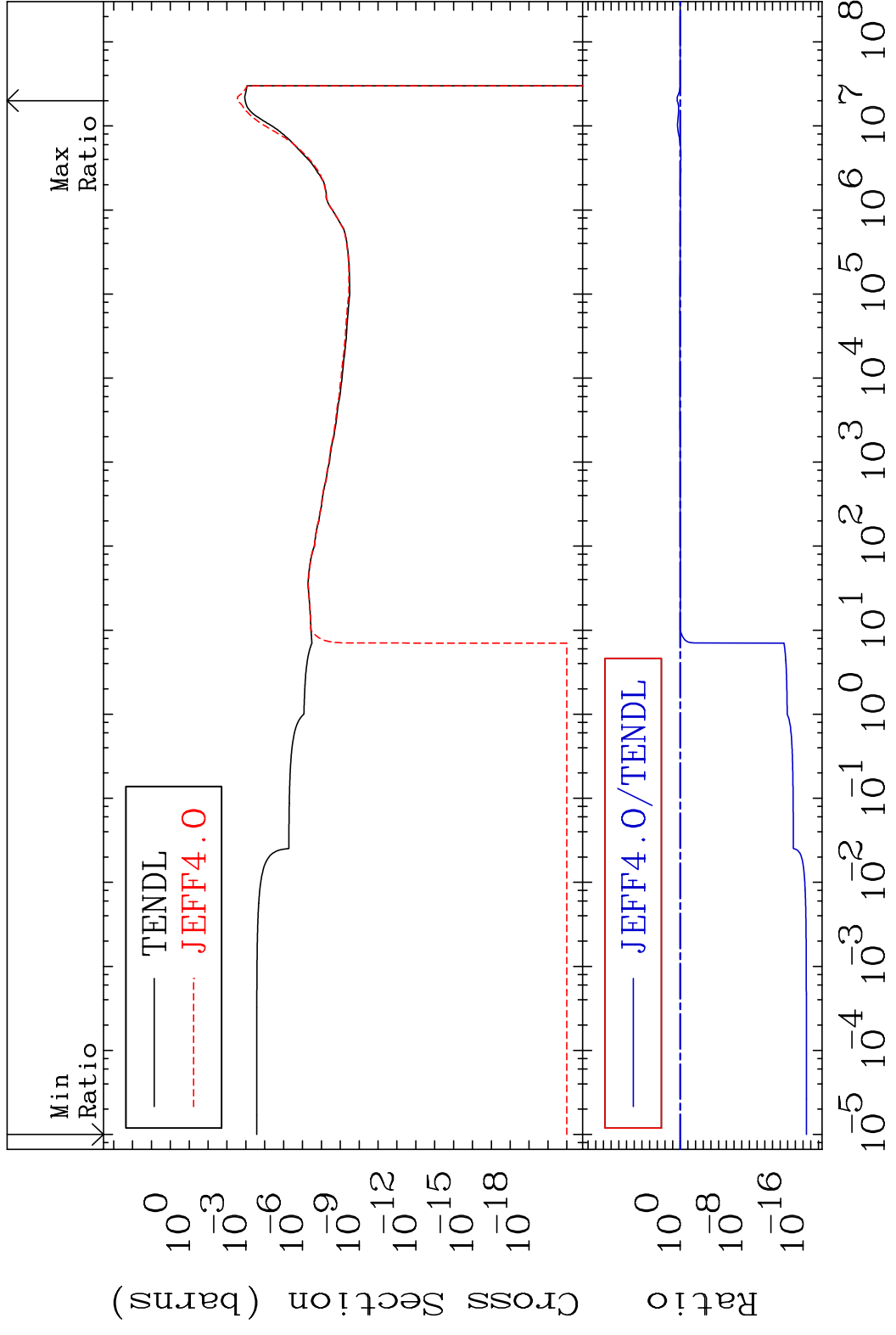




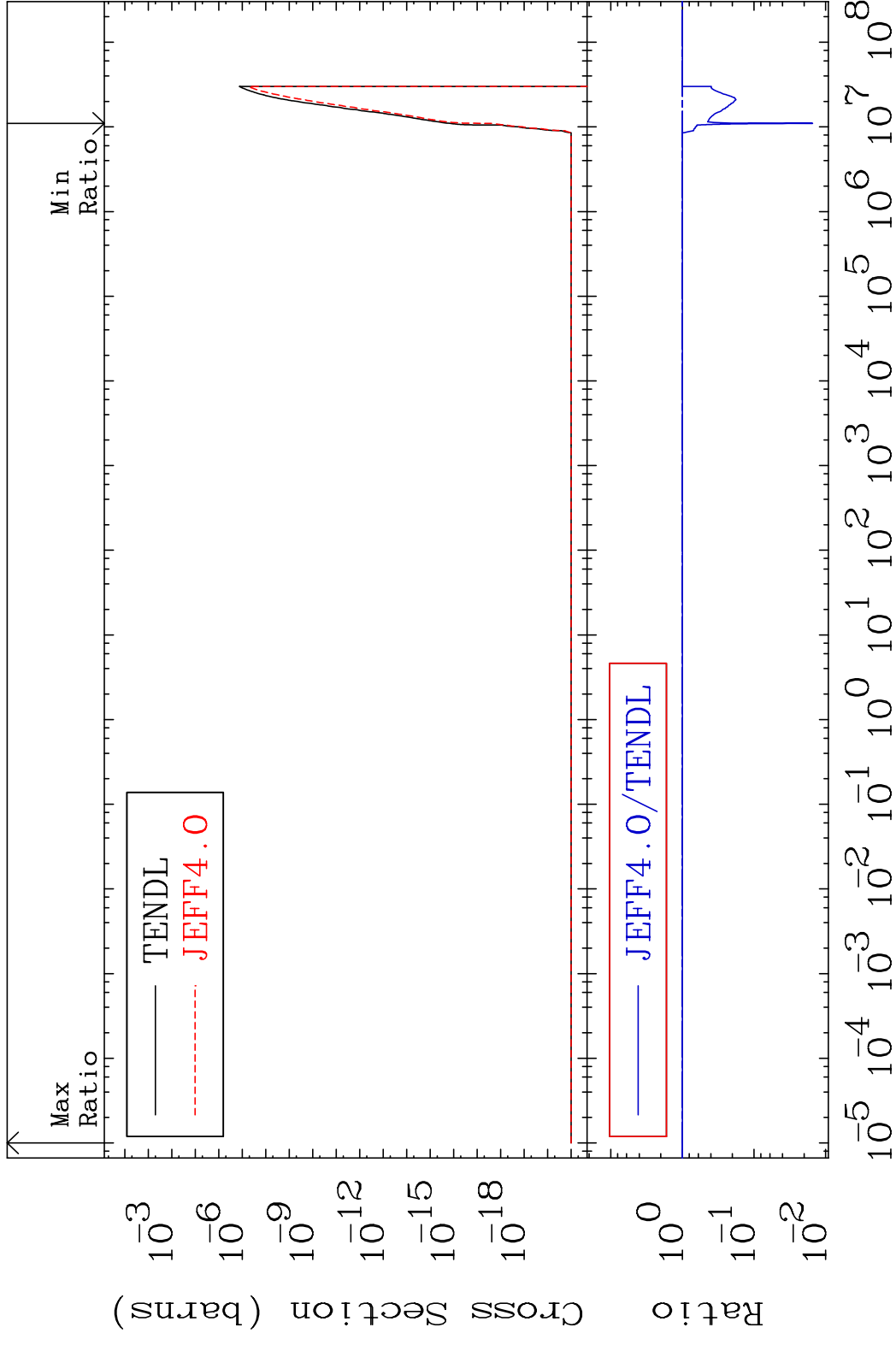
MAT 7031 (n, α):68-Er-167g 70-Yb-170
 Radionuclide Production Cross Section 116.2 %



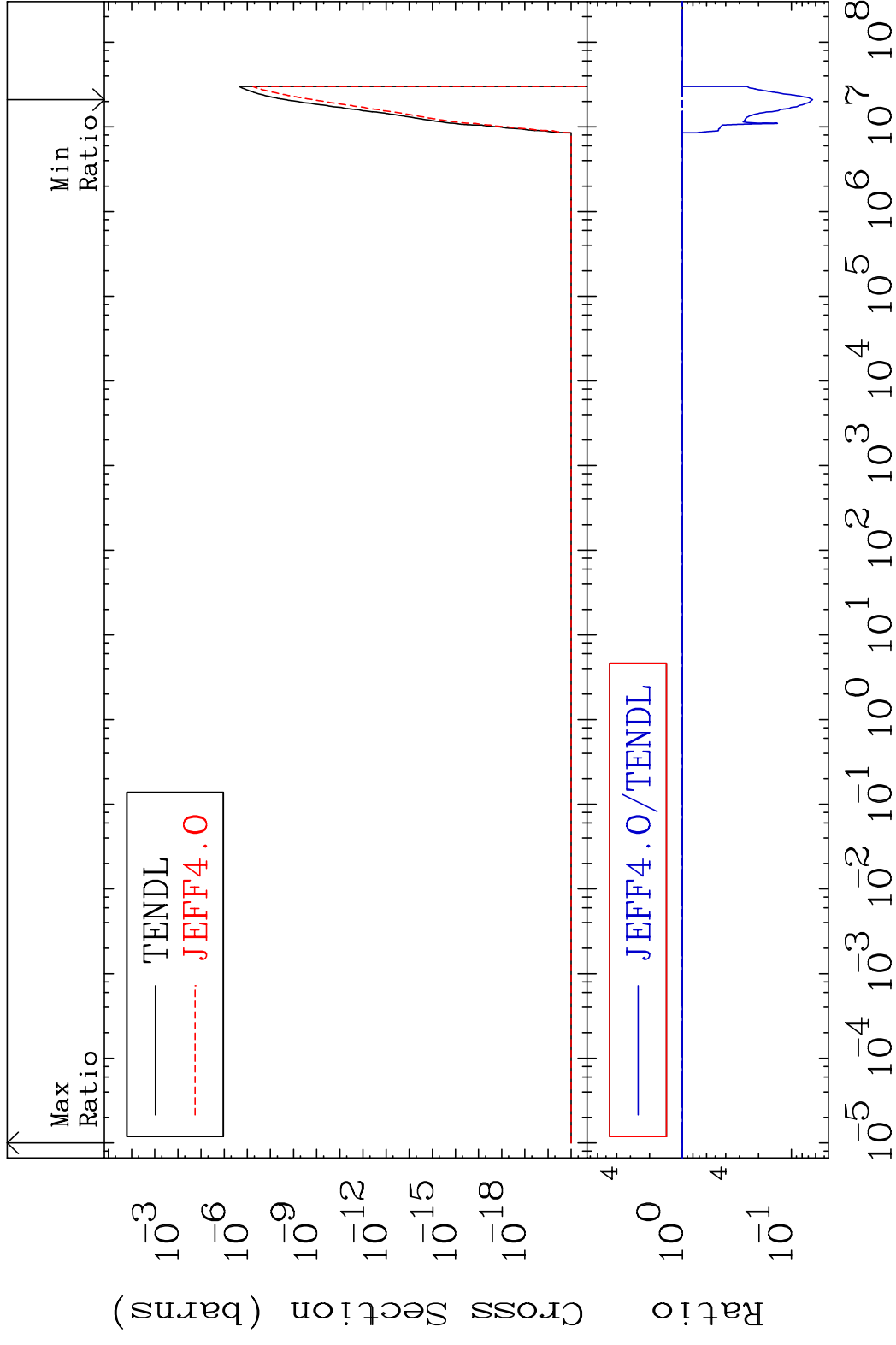
MAT 7031 (n, α): 68-Er-167m3 70-Yb-170
 Radionuclide Production Cross Section 152.3 %



MAT 7031 (n,p) α :67-Ho-166g 70-Yb-170
 Radionuclide Production Cross Section 98e481 d10 0.000 %



MAT 7031 (n, p) α :67-Ho-166m1 70-Yb-170
 Radionuclide Production Cross Section 0.000 %



87 Incident Energy (eV) 70-Yb-170

MAT 7031 (n, p) t:68-Er-167g 70-Yb-170
 Radionuclide Production Cross Section 0.000 %

