

Program Complot
(Version 2021-1)

by

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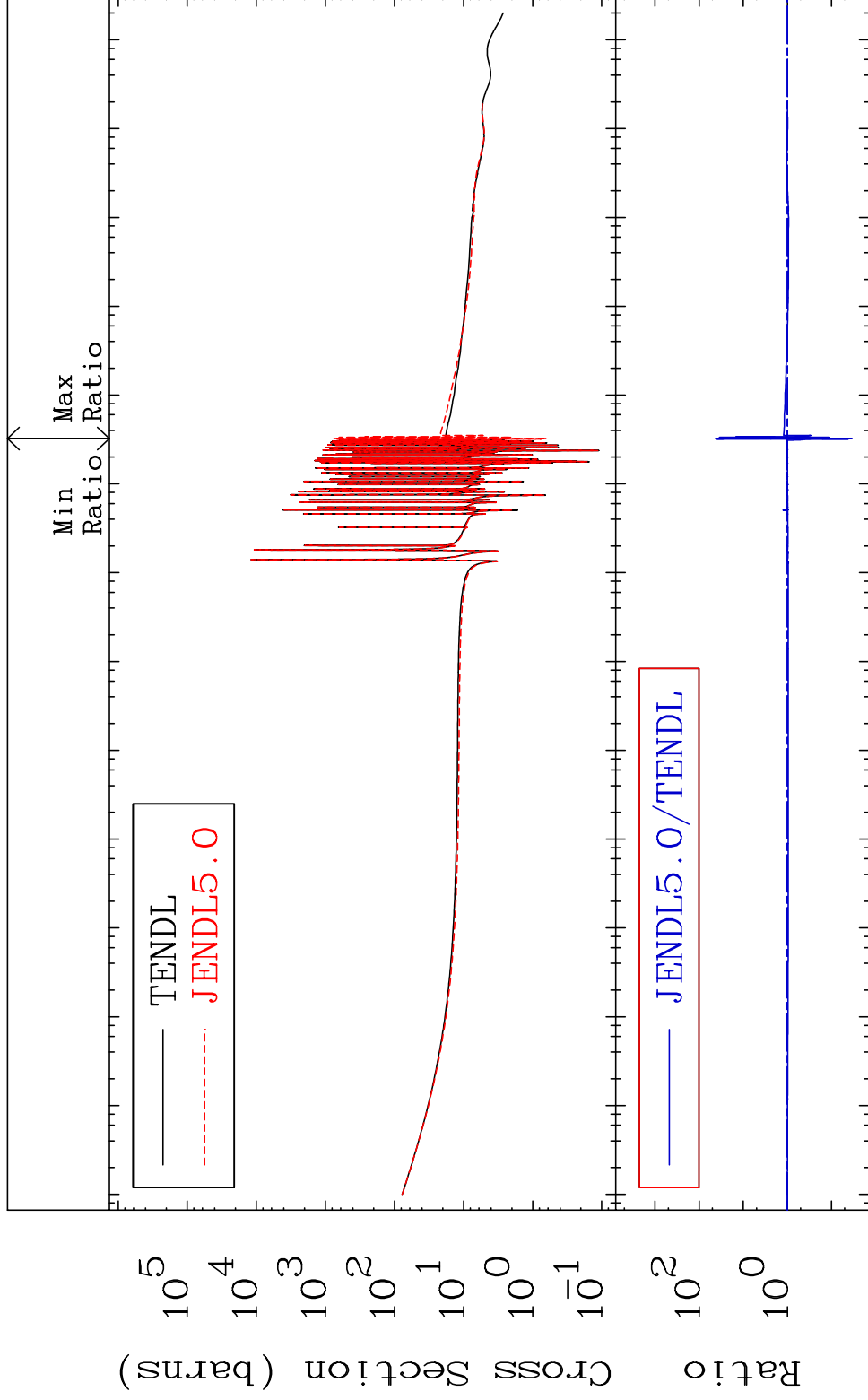
Press Mouse Button to Start

MAT 7037

Total

70-Yb-172

Cross Section -96.62 To 4122. %



1

Incident Energy (eV)

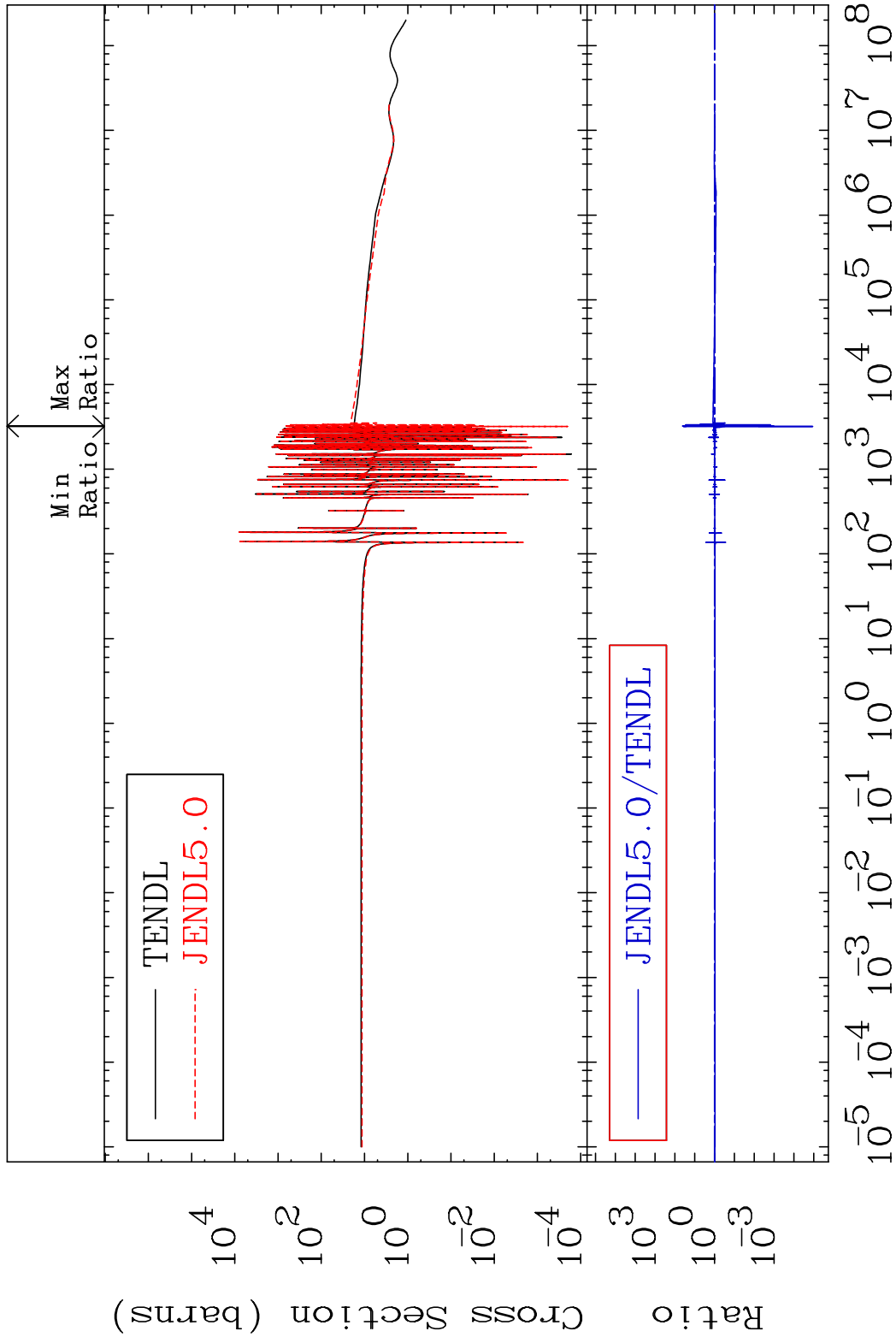
70-Yb-172

MAT 7037

Elastic

70-Yb-172

Cross Section -100.0 To 4133. %

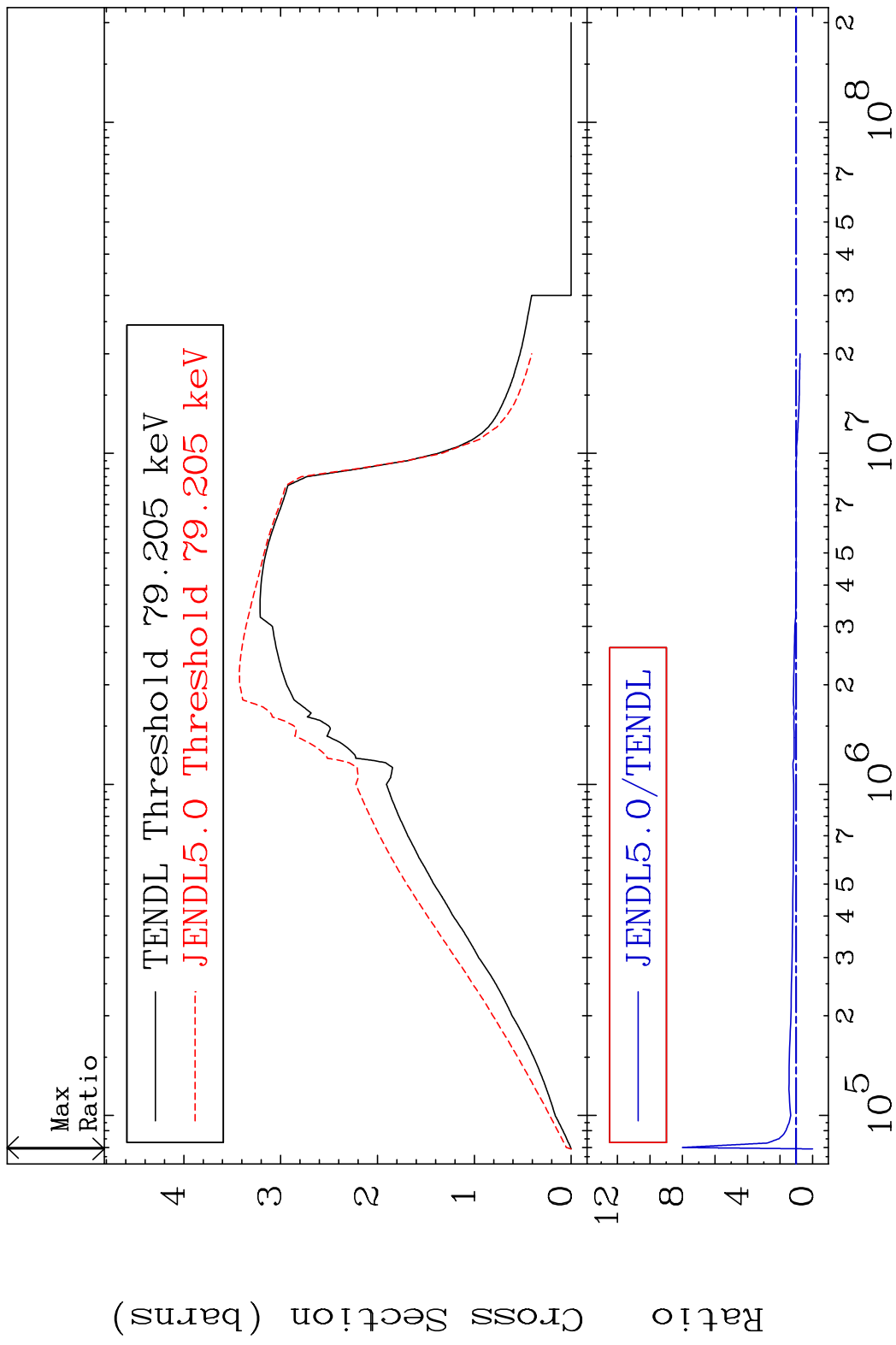


2

Incident Energy (eV)

70-Yb-172

MAT 7037 Inelastic 70-Yb-172
Cross Section -100.0 To 700.8 %



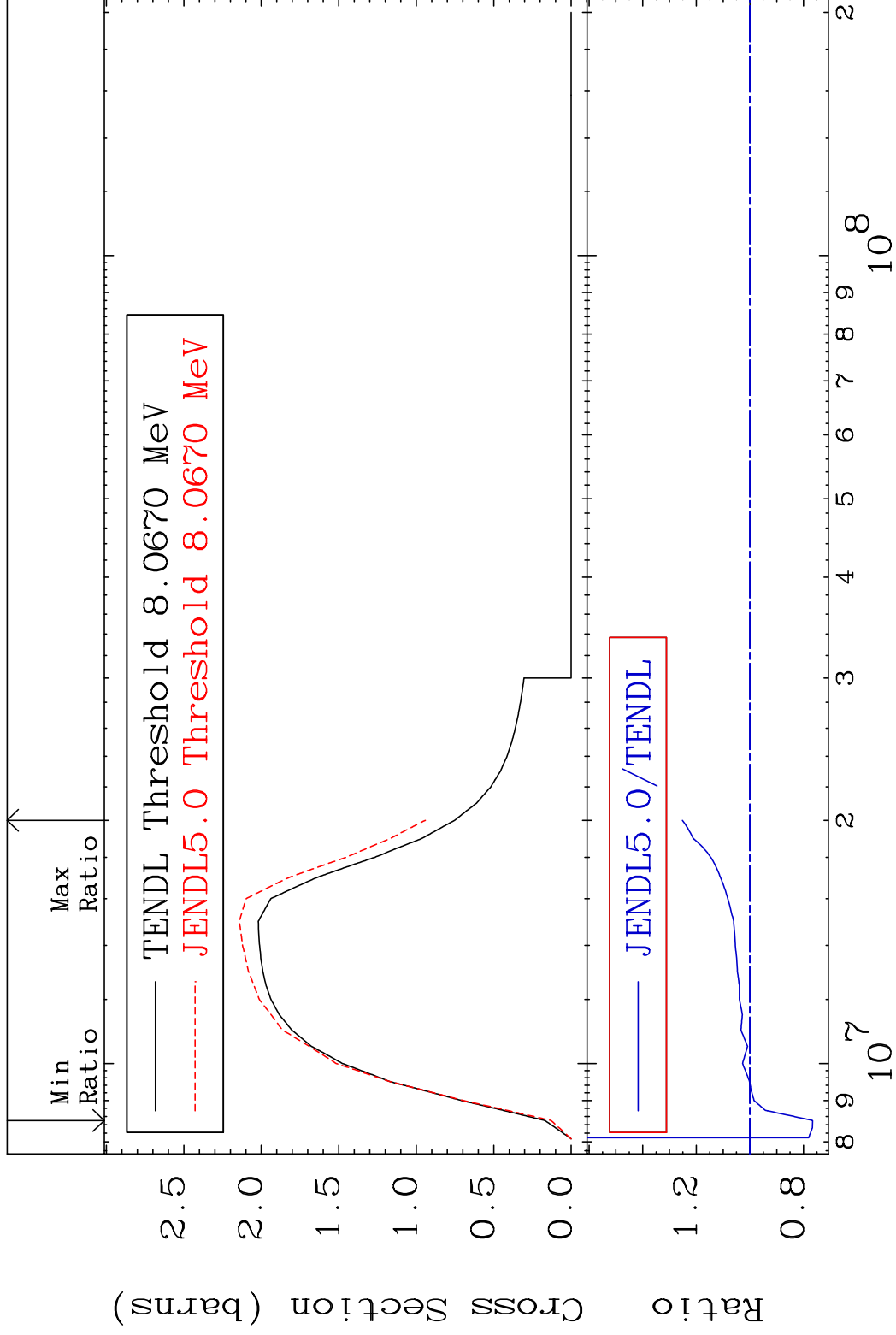
3 2 3 4 5 7 10⁶ 10⁷ 10⁸ 2 3 4 5 7 8 2
70-Yb-172

MAT 7037

(n,2n)

70-Yb-172

Cross Section -23.38 To 25.20 %



4

Incident Energy (eV)

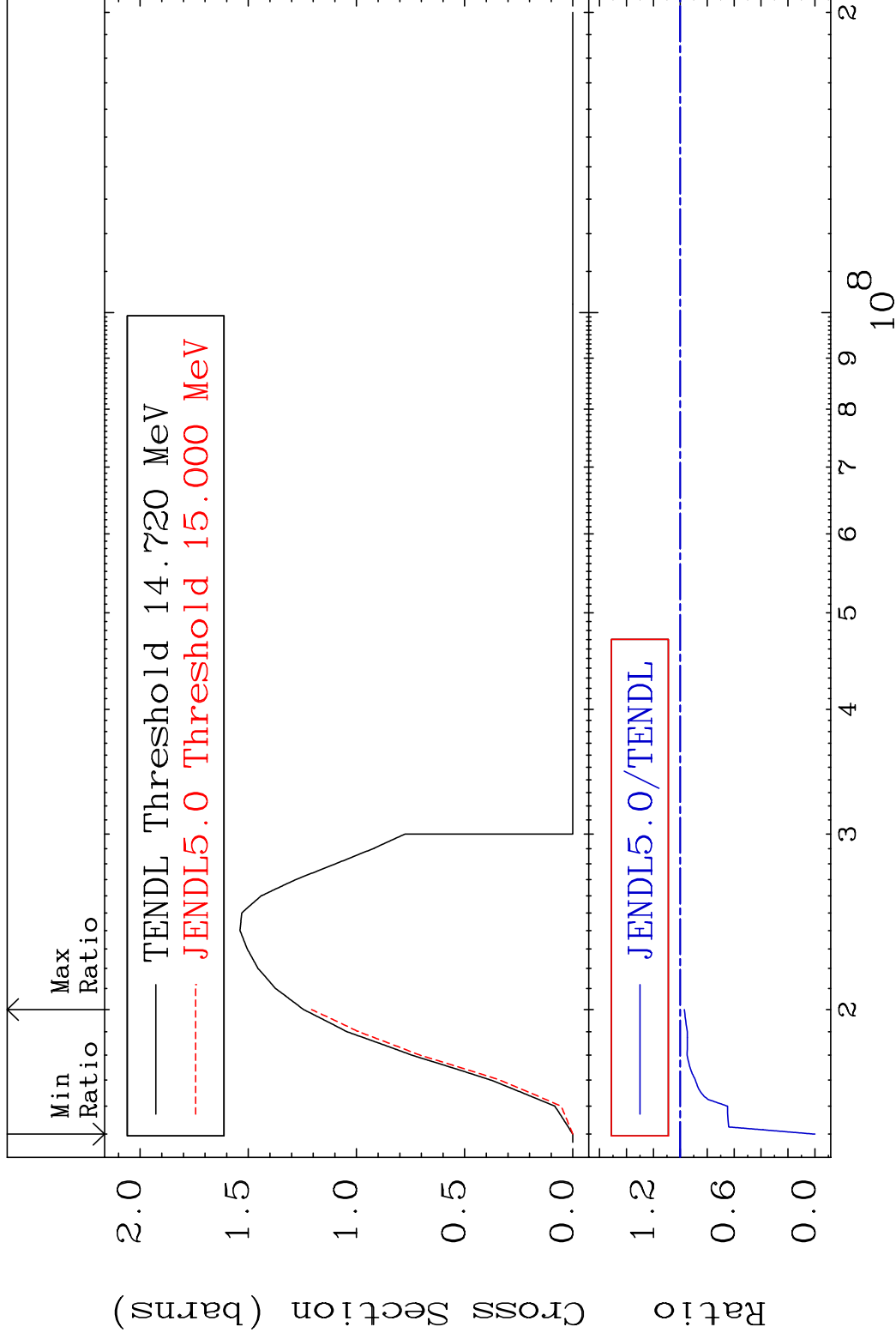
70-Yb-172

MAT 7037

(n,3n)

70-Yb-172

Cross Section -100.0 To -2.961%



5

Incident Energy (eV)

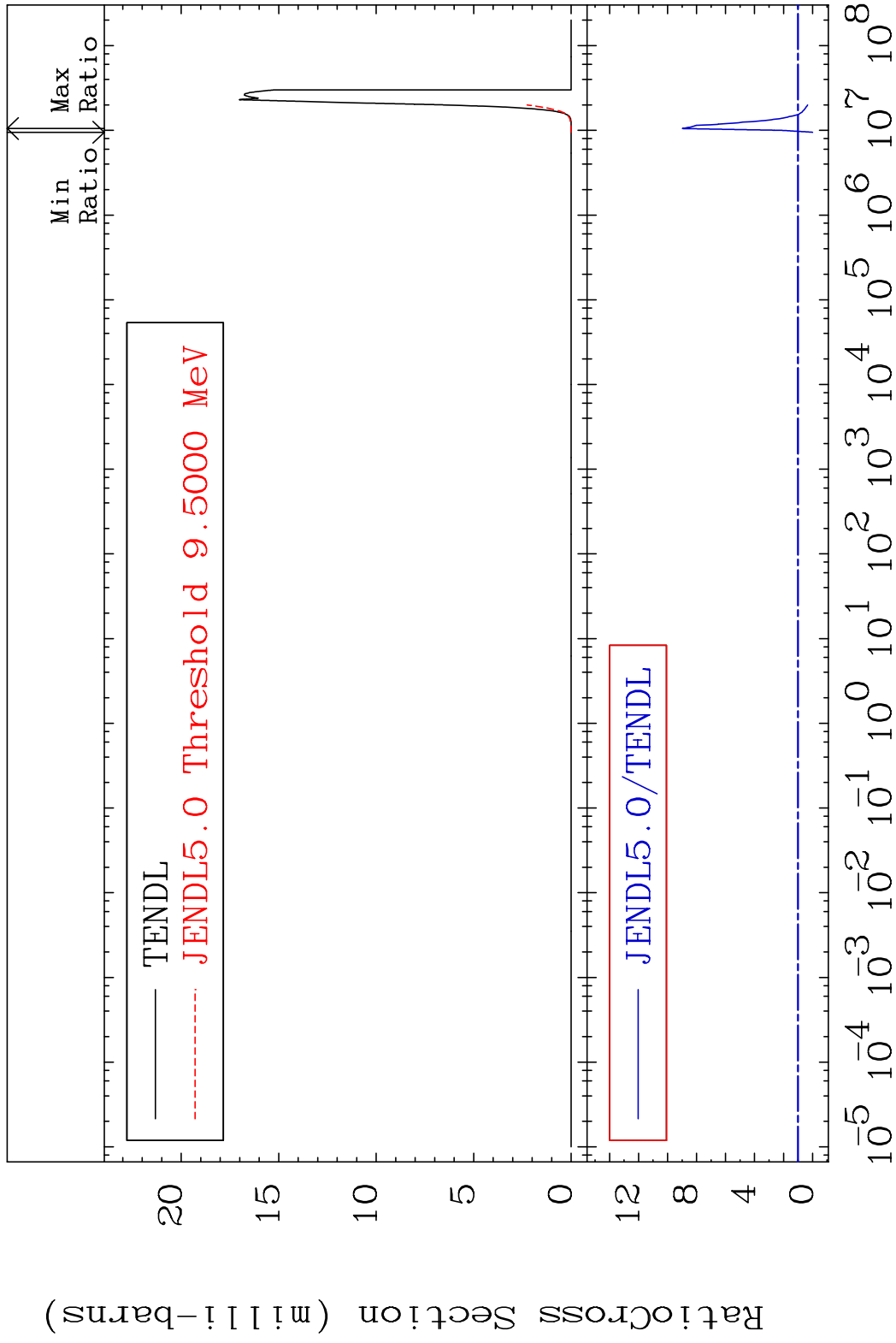
70-Yb-172

MAT 7037

(n, n') α

70-Yb-172

Cross Section -100.0 To 798.1 %



6

Incident Energy (eV)

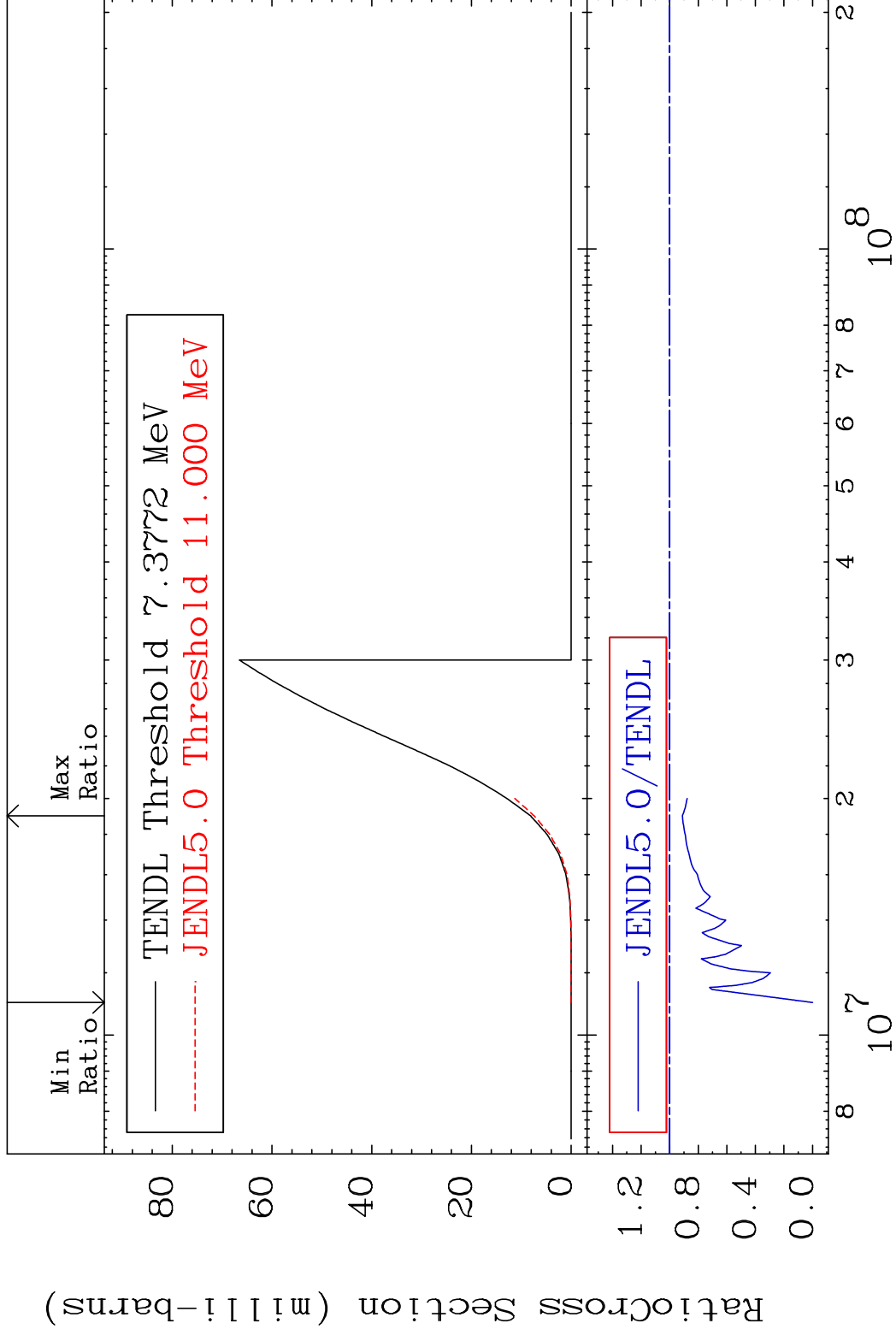
70-Yb-172

MAT 7037

(n, n') p

70-Yb-172

Cross Section -100.0 To -8.882%



7

Incident Energy (eV)

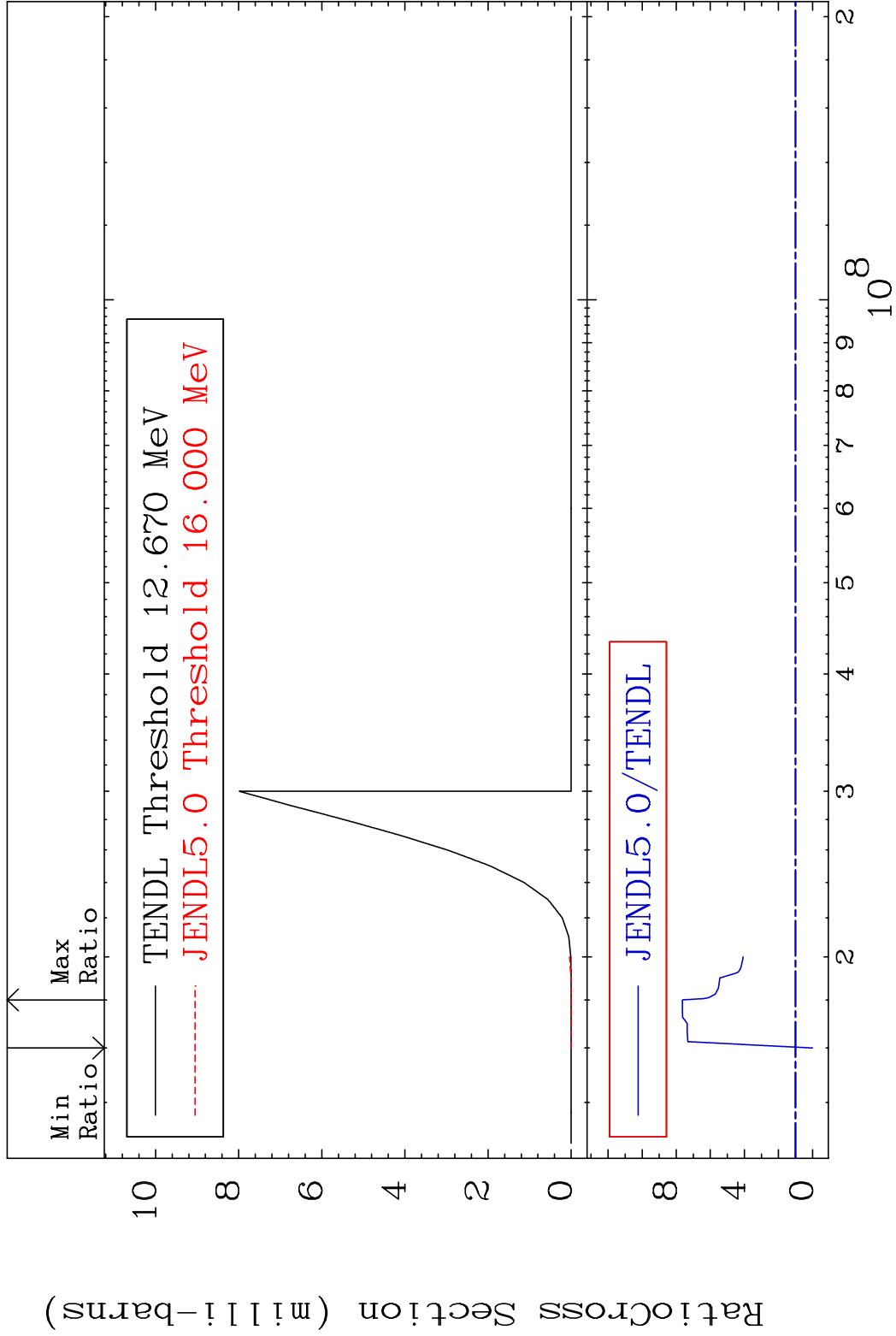
70-Yb-172

MAT 7037

(n, n') d

70-Yb-172

Cross Section -100.0 To 664.0 %

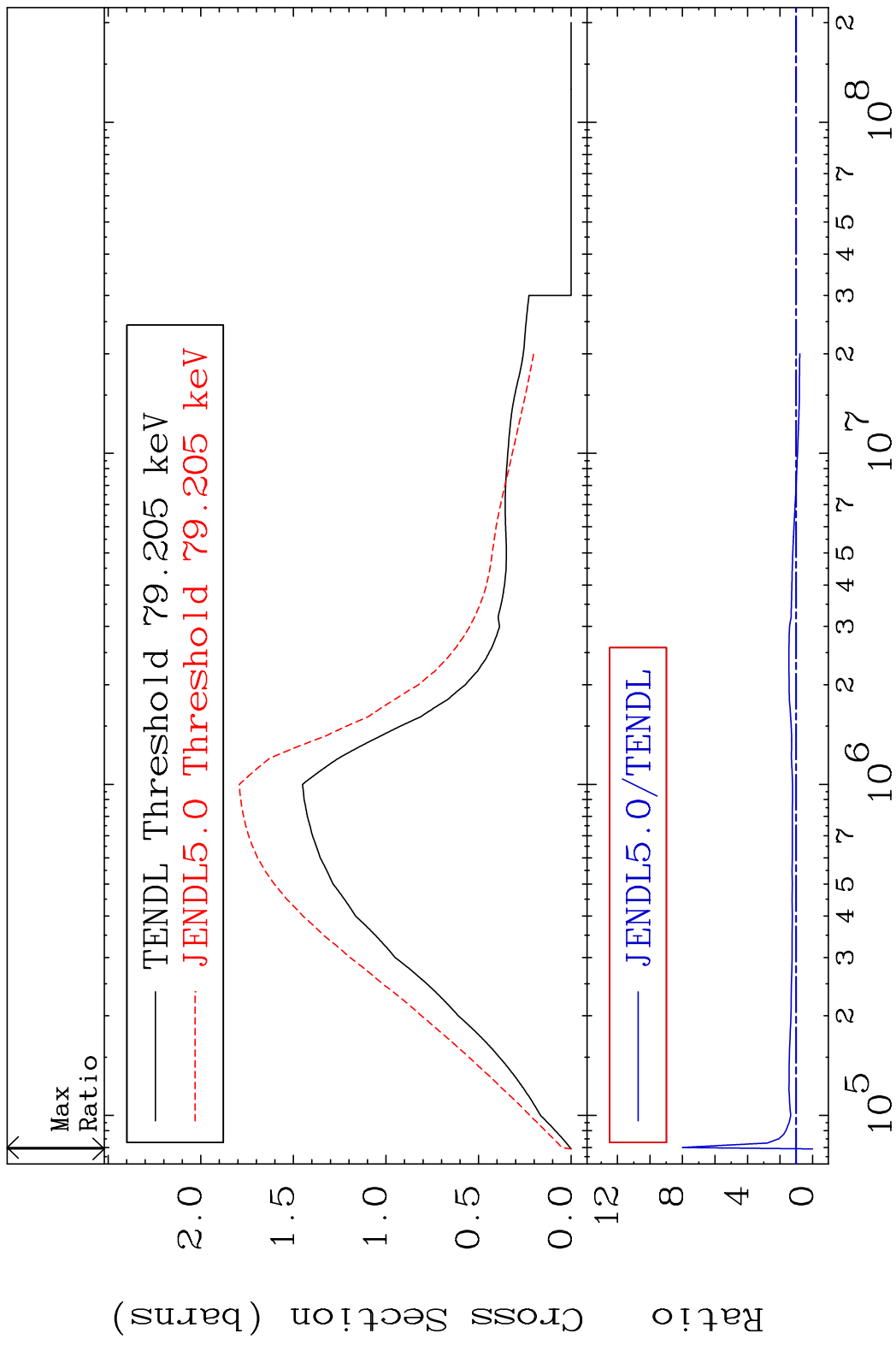


8

Incident Energy (eV)

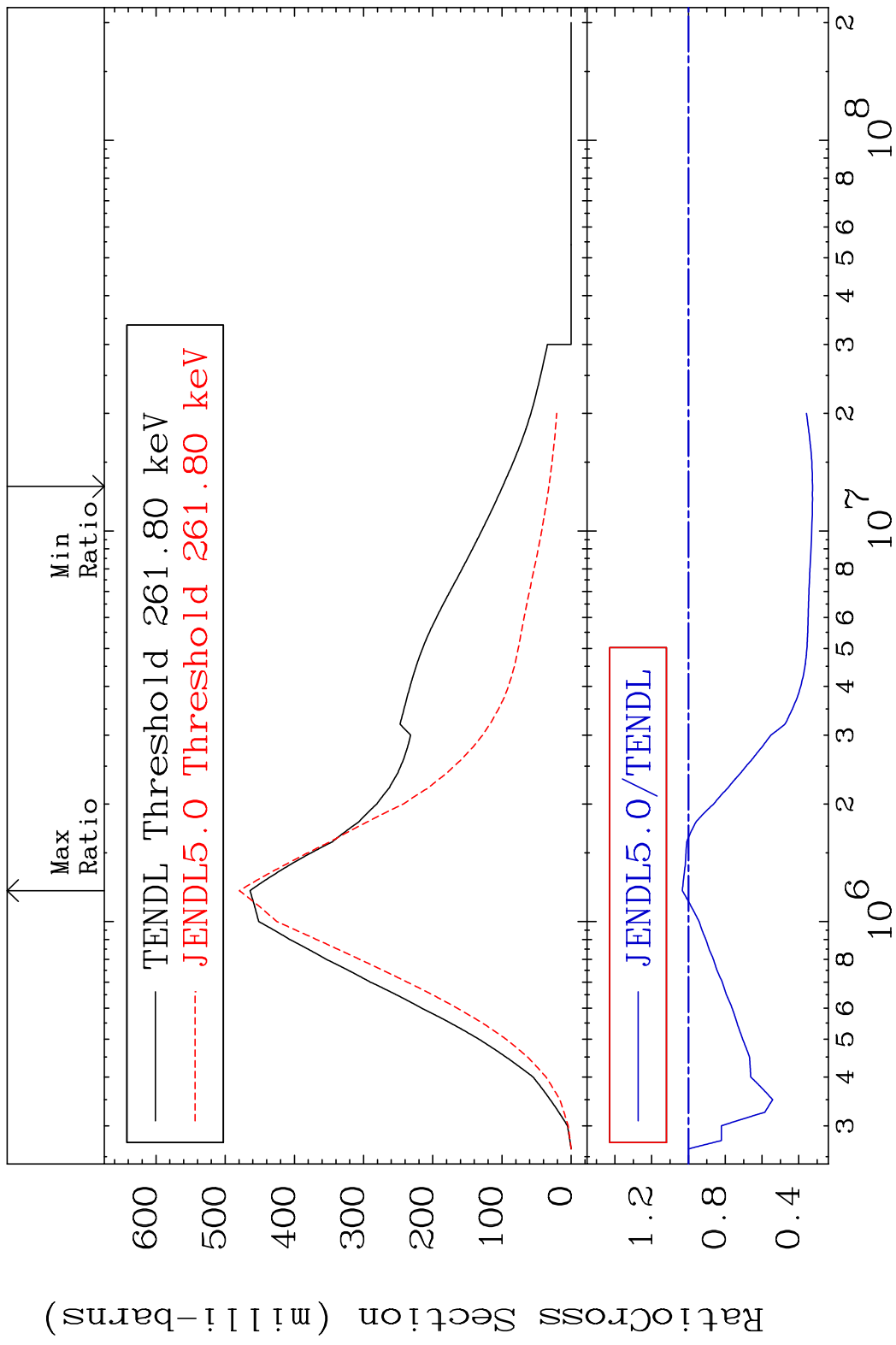
70-Yb-172

MAT 7037 MT= 51 (n,n') Level 70-Yb-172
 Cross Section -100.0 To 700.8 %



9 Incident Energy (eV) 70-Yb-172

MAT 7037 MT= 52 (n, n') Level 70-Yb-172
 Cross Section -67.48 To 3.316 %

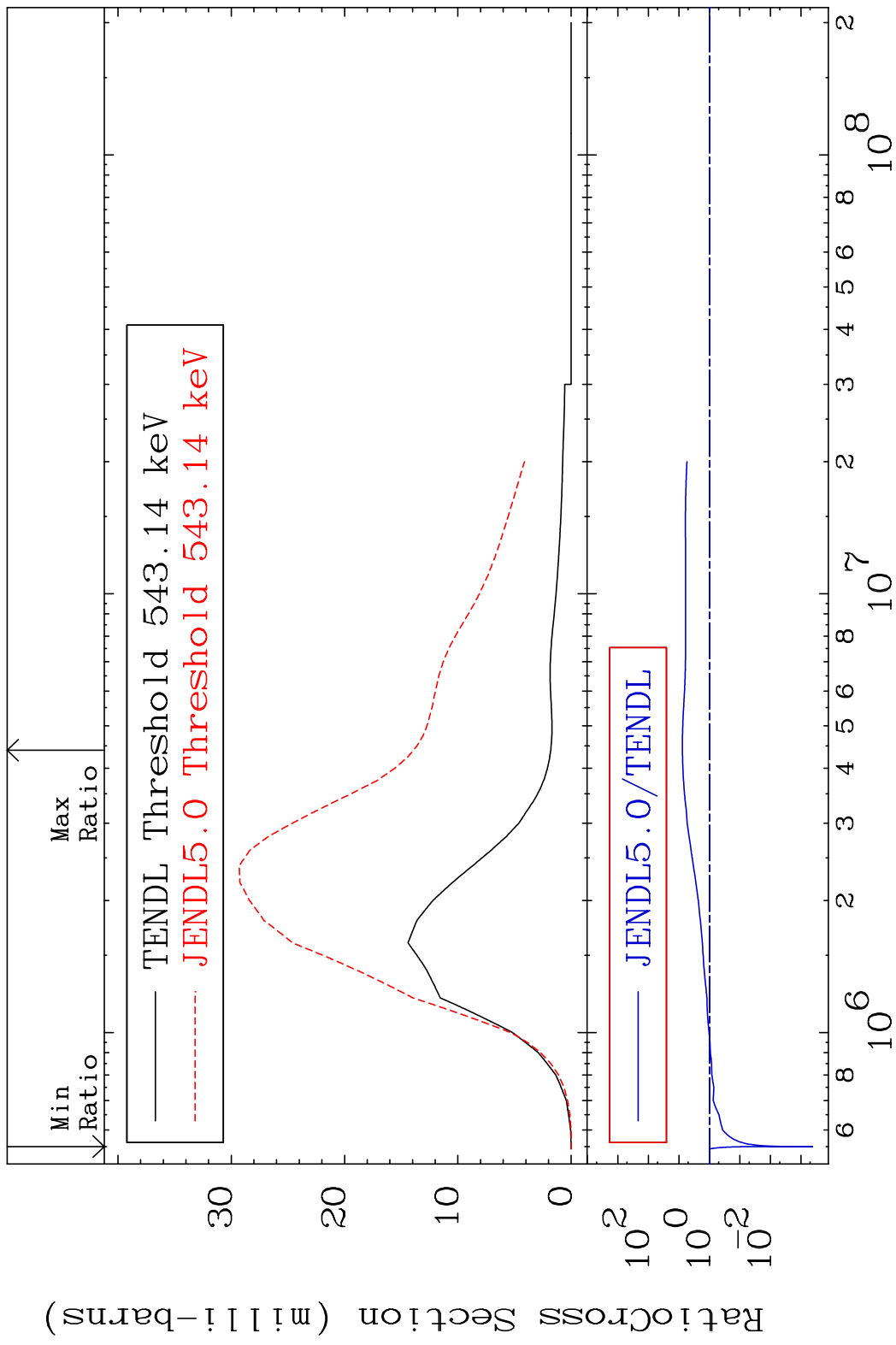


10

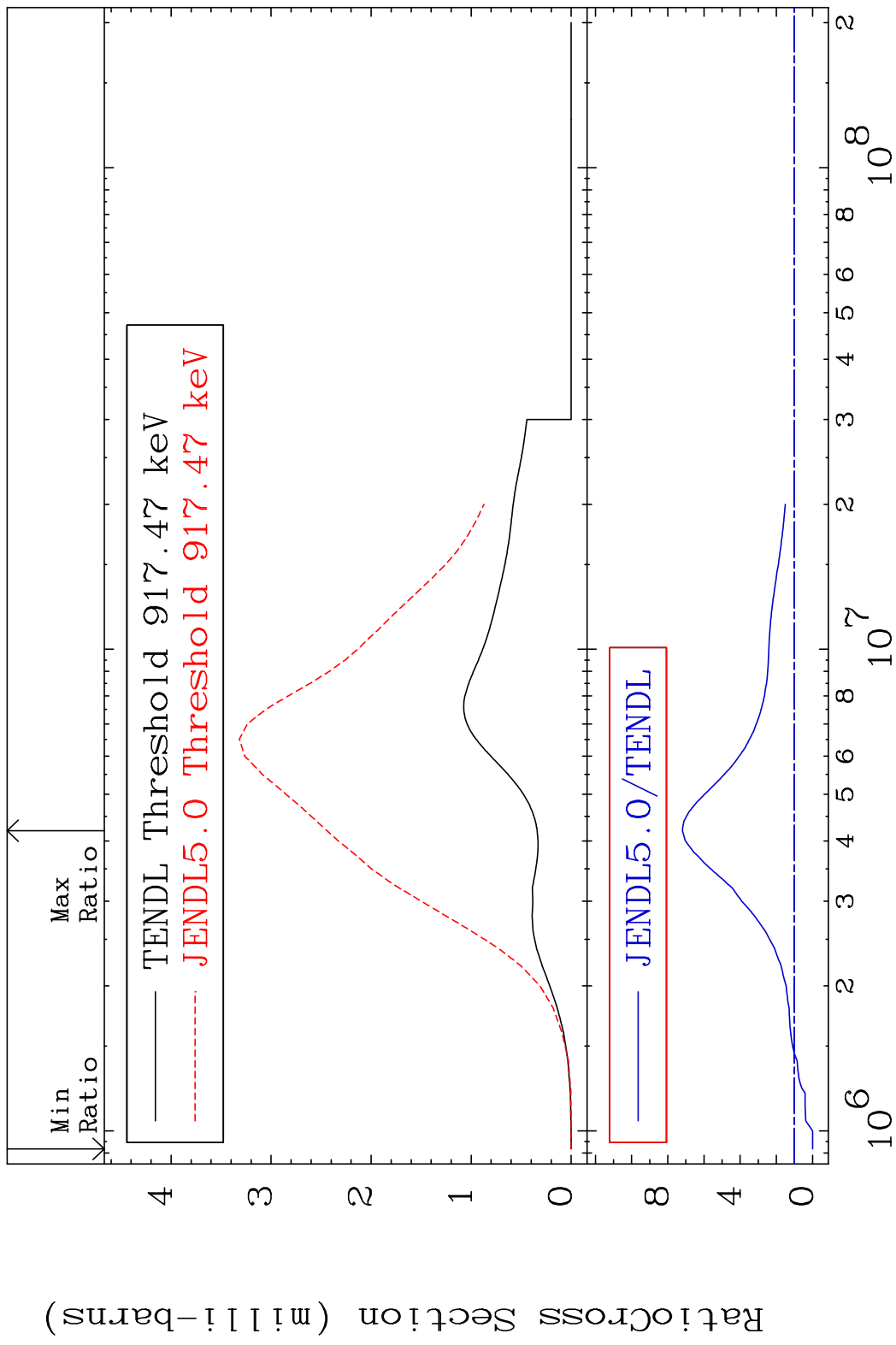
Incident Energy (eV)

70-Yb-172

MAT 7037 MT= 53 (n, n') Level 70-Yb-172
 Cross Section -99.96 To 672.1 %

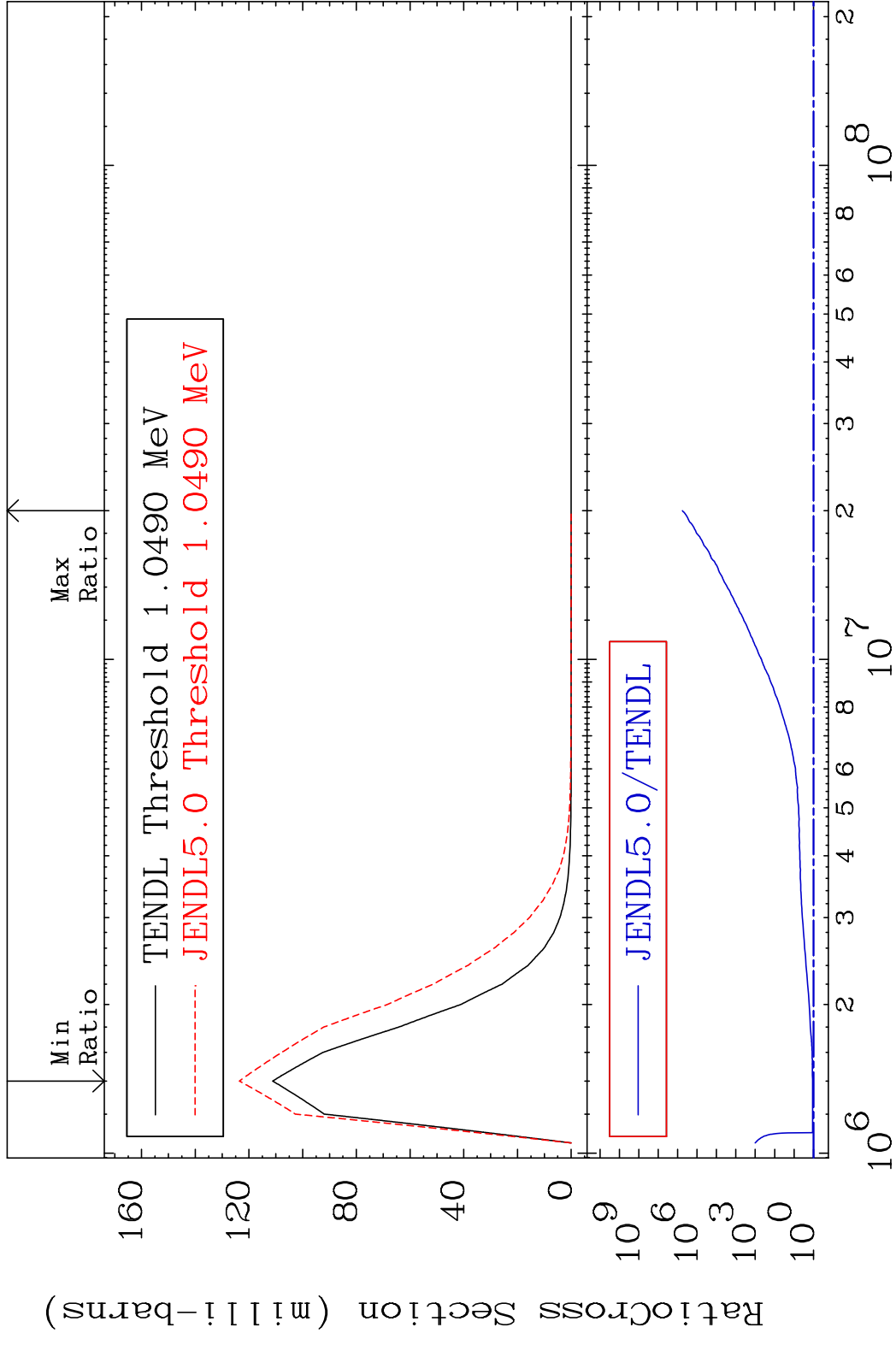


MAT 7037 MT= 54 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 619.6 %



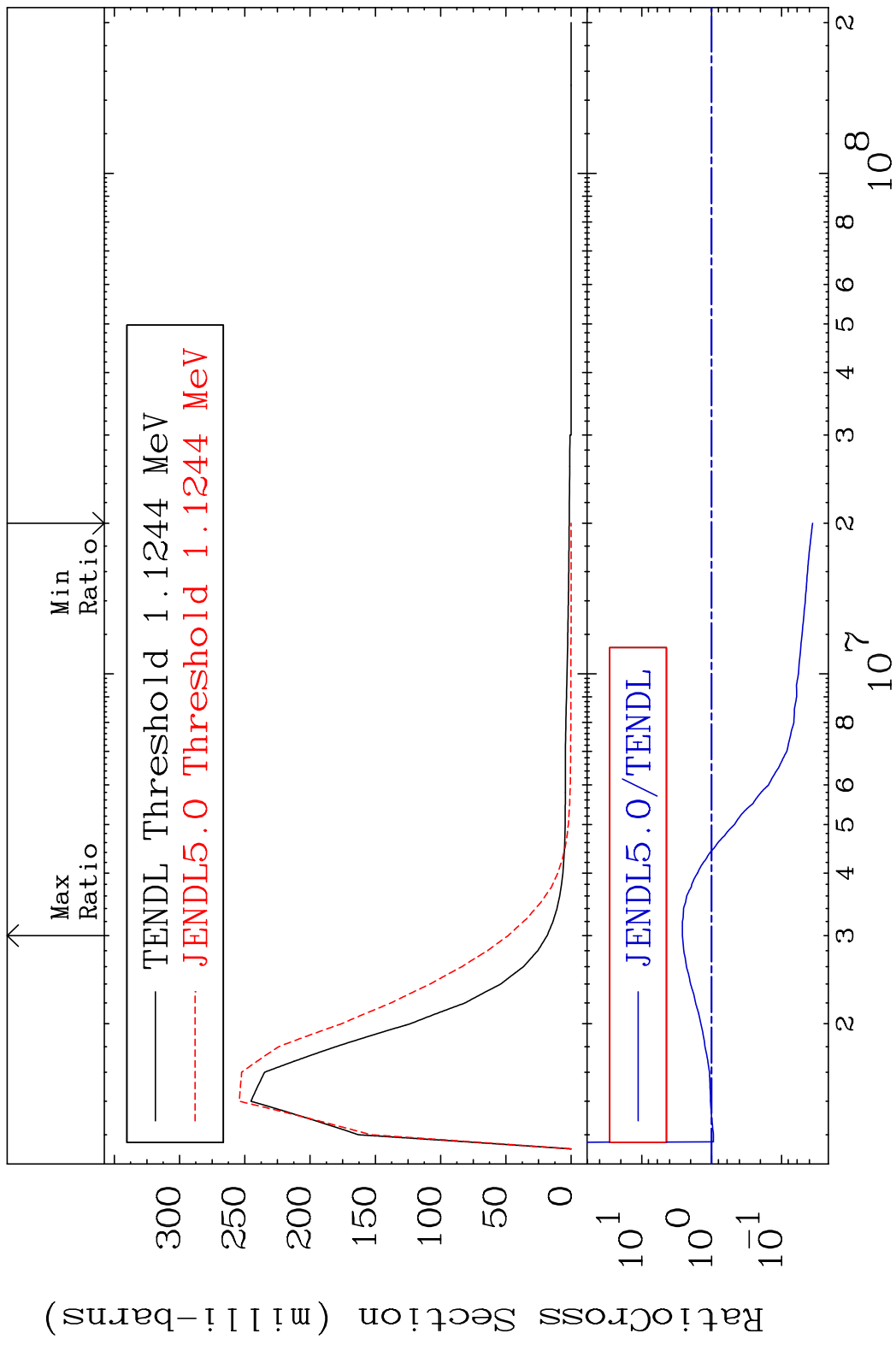
12 70-Yb-172

MAT 7037 MT= 55 (n, n') Level 70-Yb-172
 Cross Section 11.14 To 9999. %

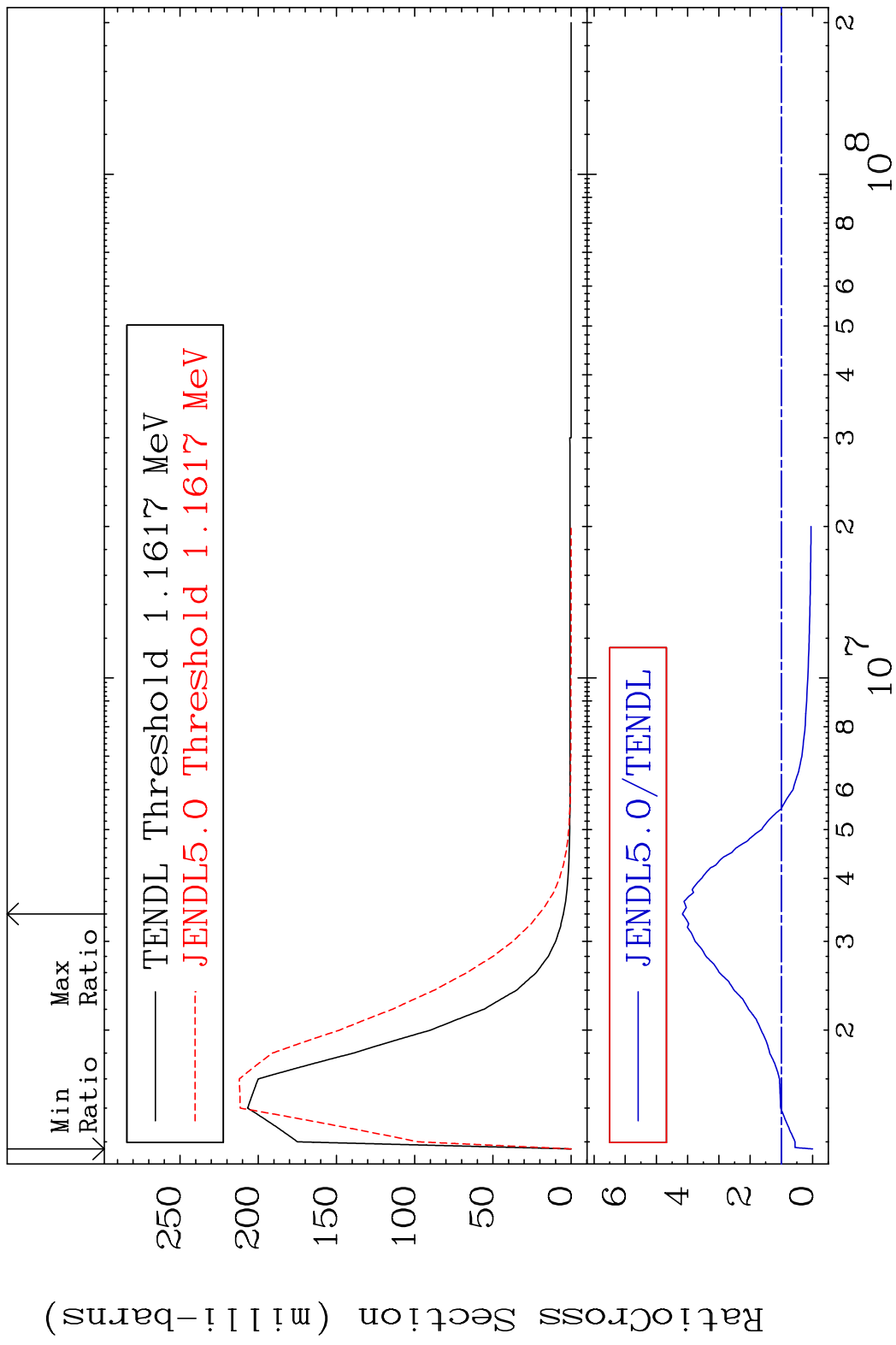


13 Incident Energy (eV) 70-Yb-172

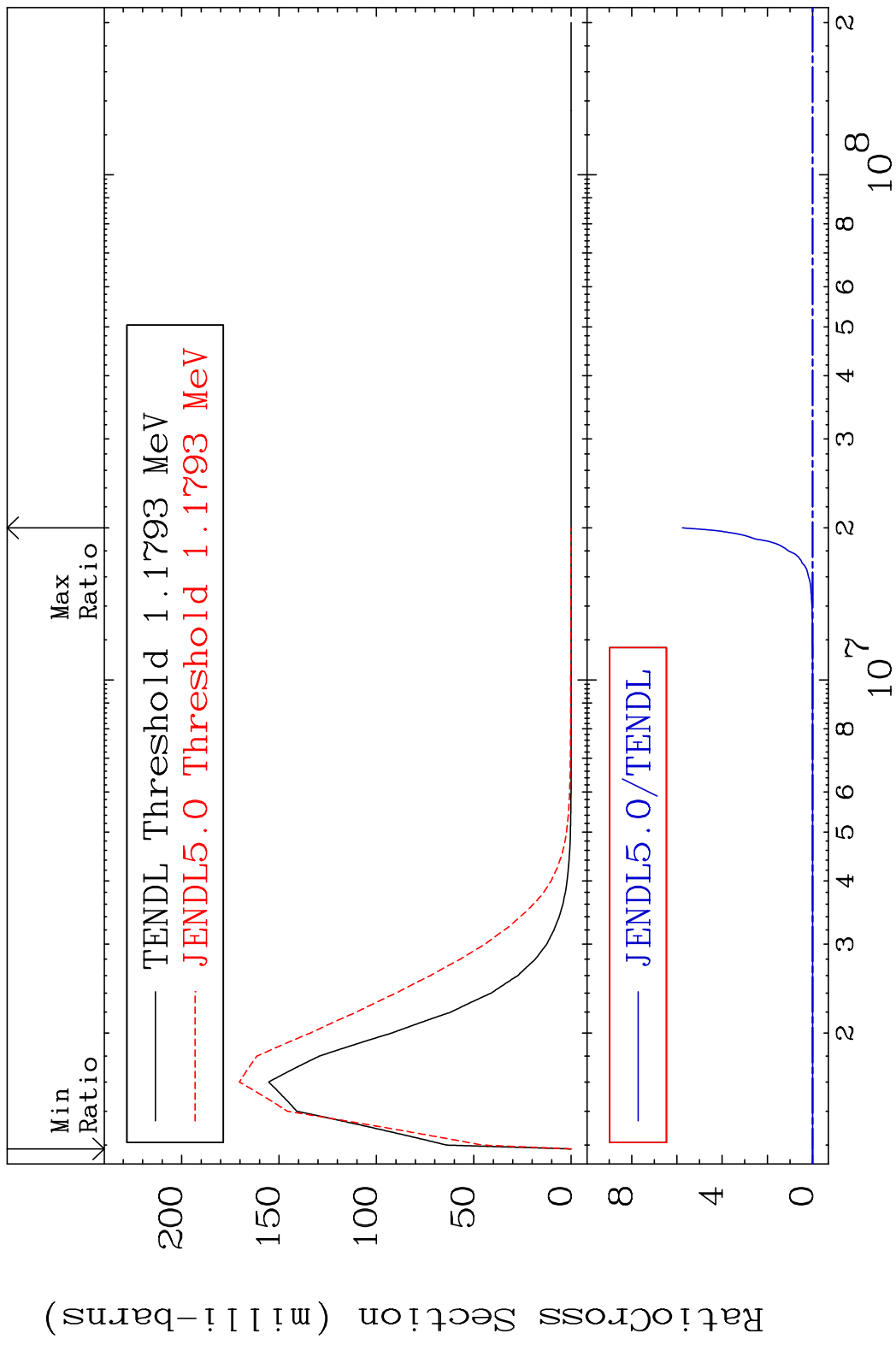
MAT 7037 MT= 56 (n, n') Level 70-Yb-172
 Cross Section -96.41 To 162.4 %



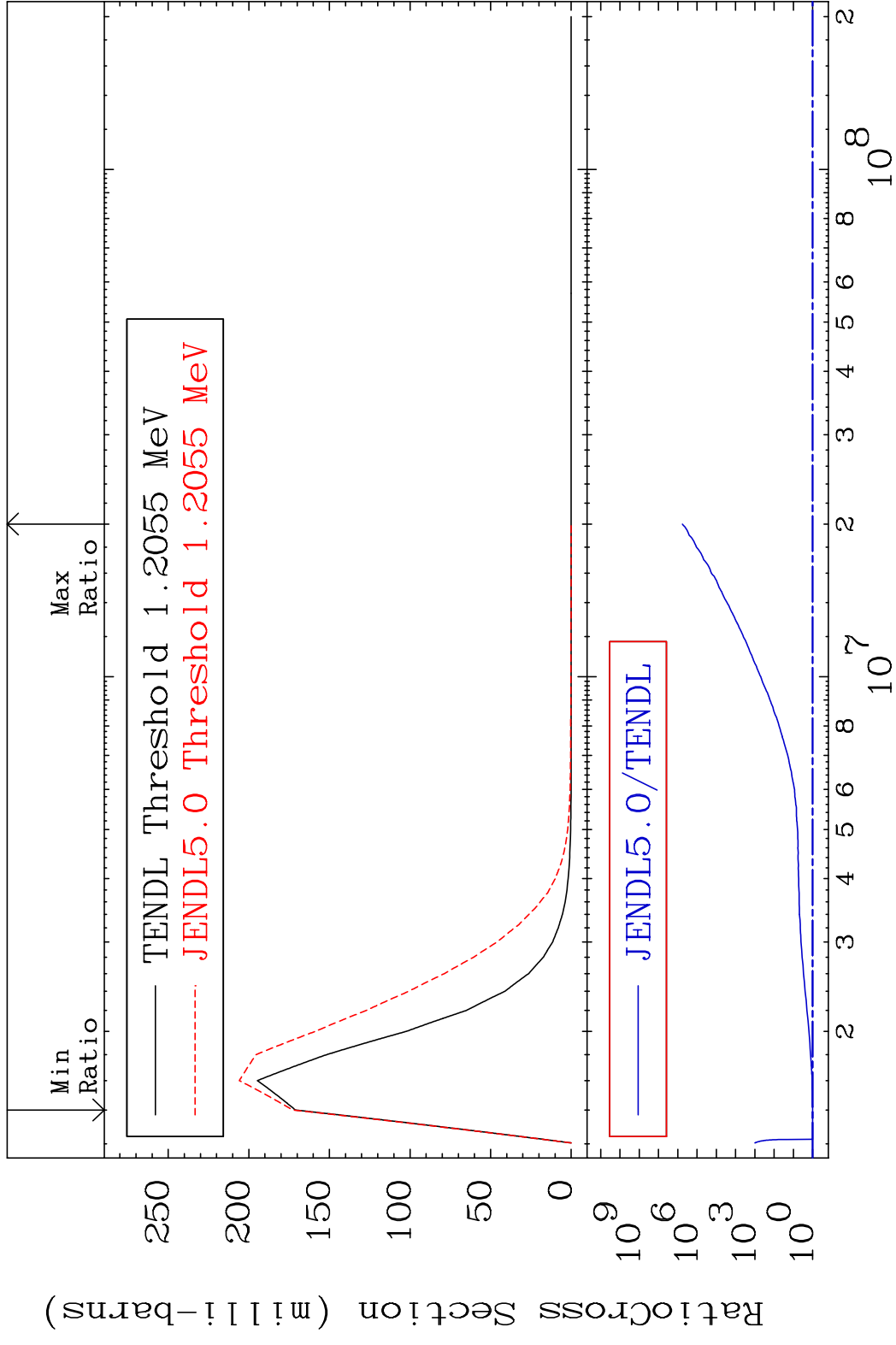
MAT 7037 MT= 57 (n,n') Level 70-Yb-172
 Cross Section -100.0 To 317.1 %



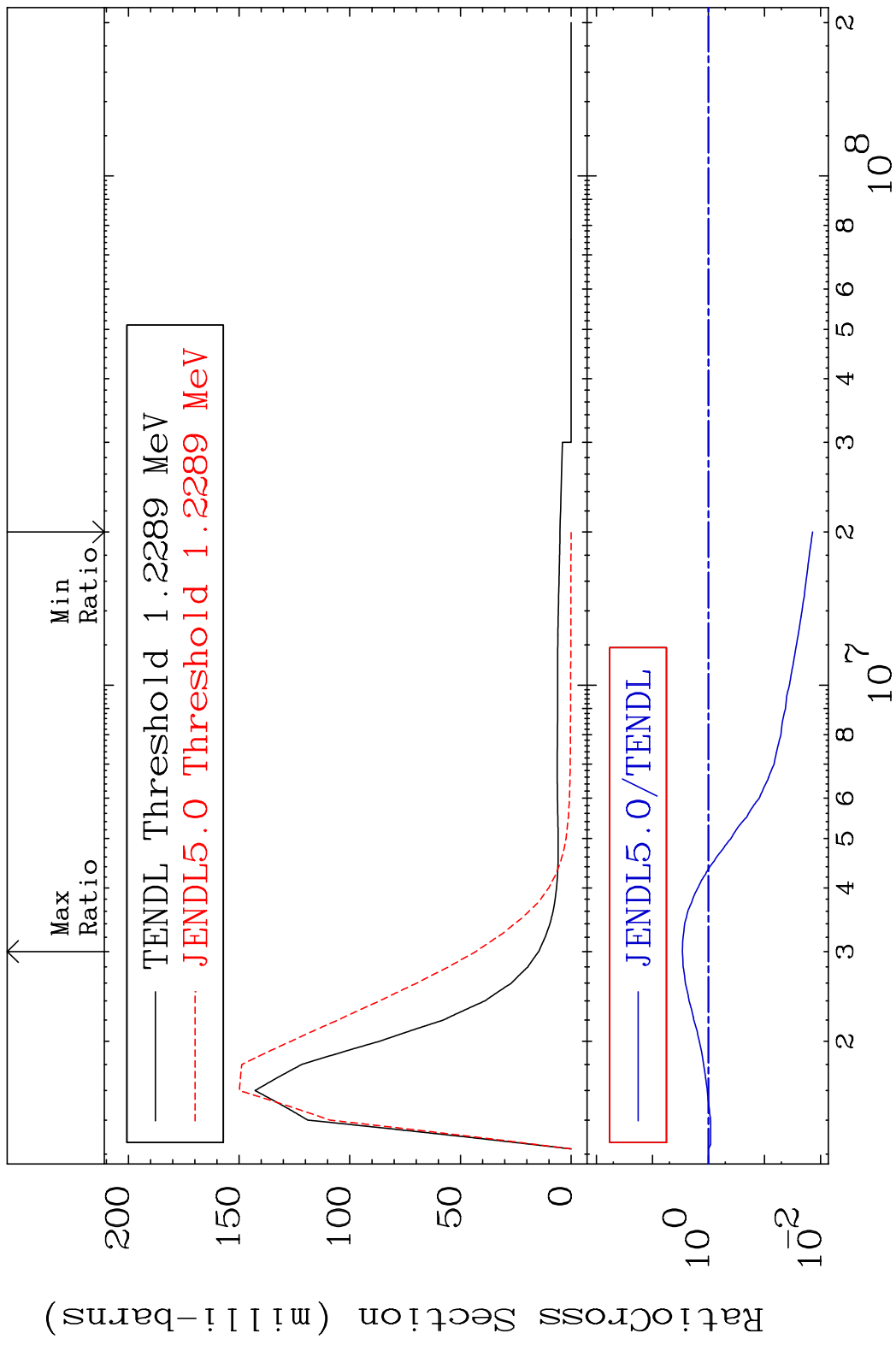
MAT 7037 MT= 58 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 9999. %



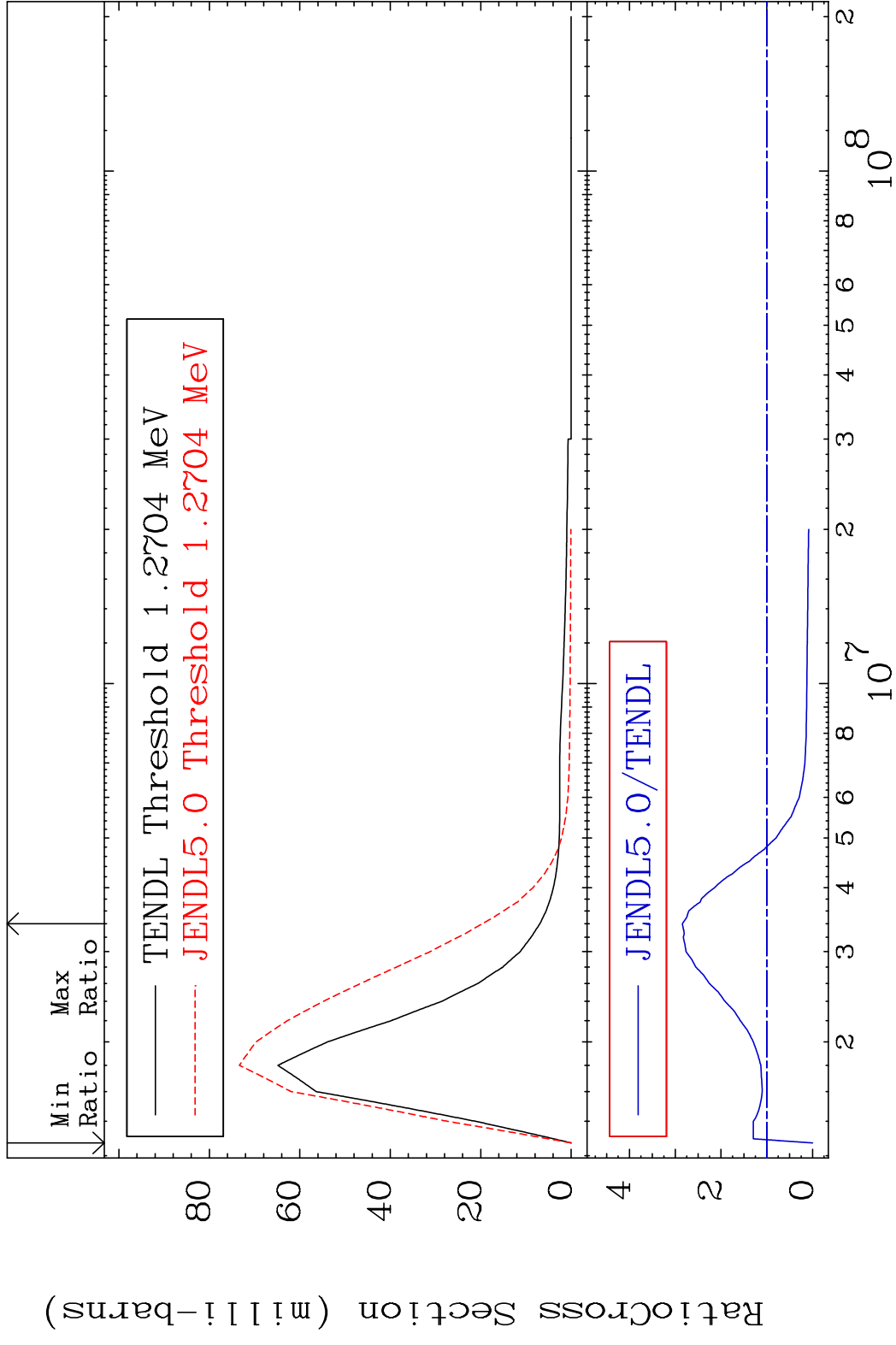
MAT 7037 MT= 59 (n, n') Level 70-Yb-172
 Cross Section 0.976 To 9999. %



MAT 7037 MT= 60 (n, n') Level 70-Yb-172
 Cross Section -98.61 To 192.6 %



MAT 7037 MT= 61 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 184.5 %

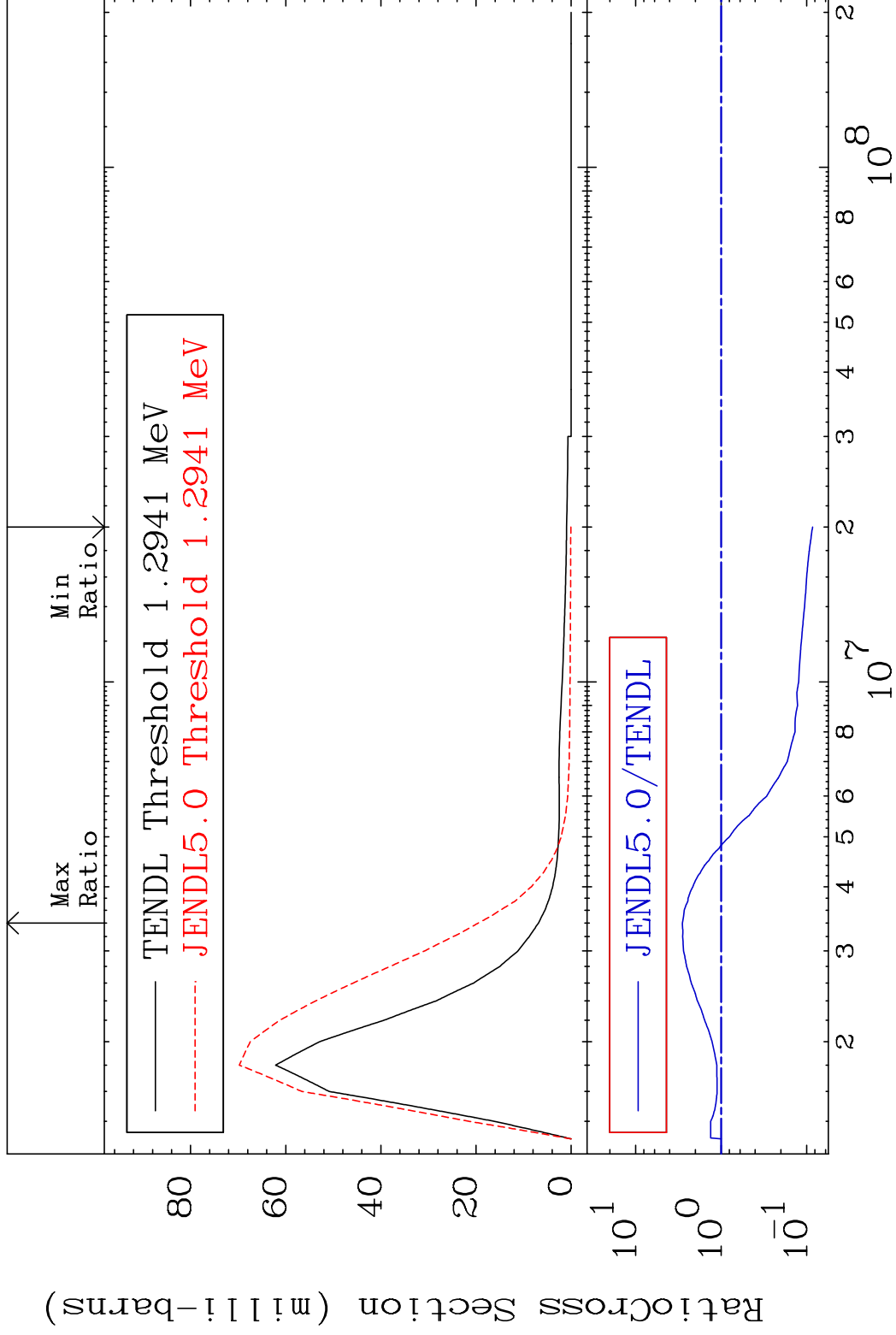


MAT 7037

MT= 62 (n, n') Level

70-Yb-172

Cross Section -91.49 To 183.9 %

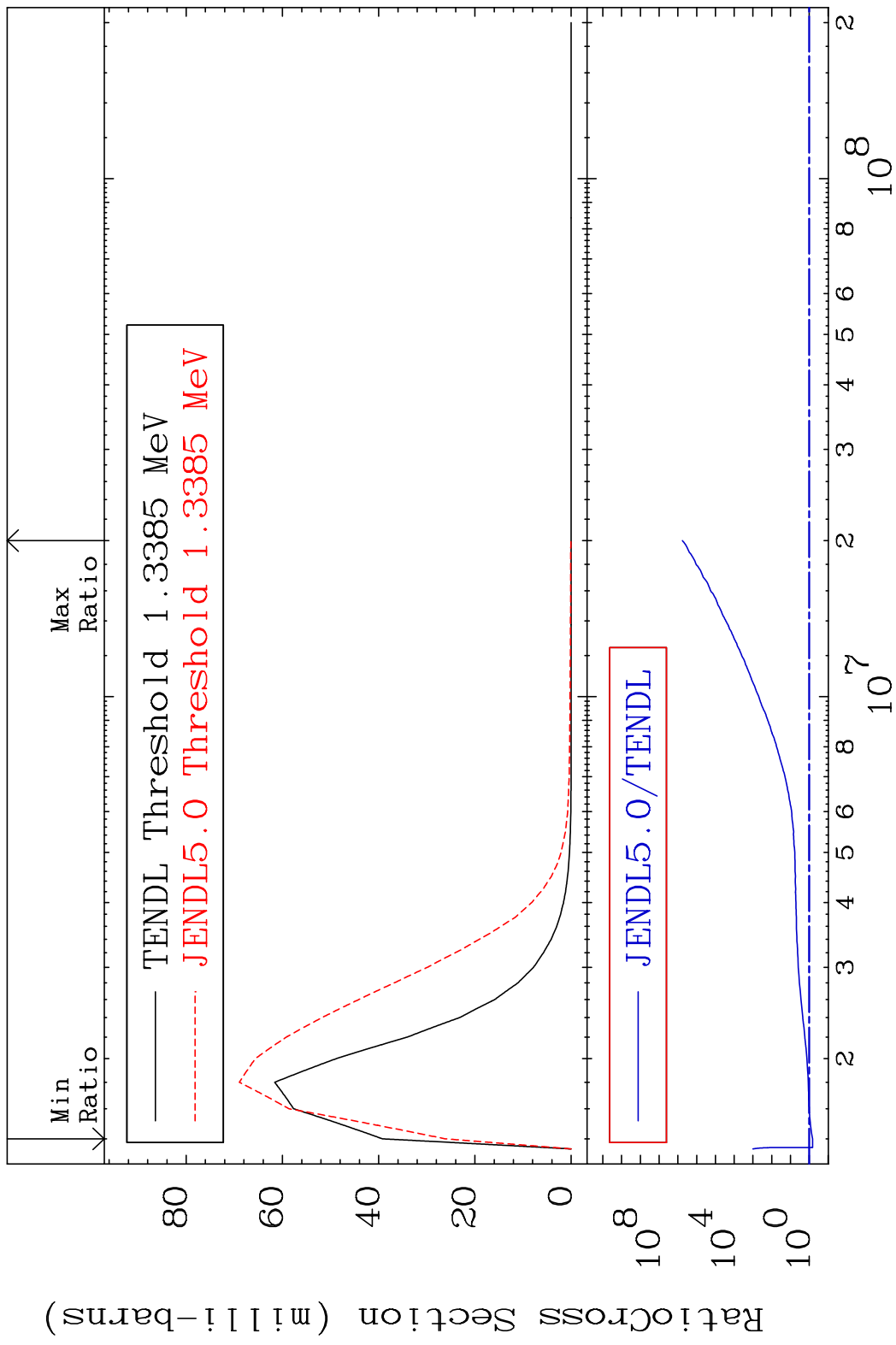


20

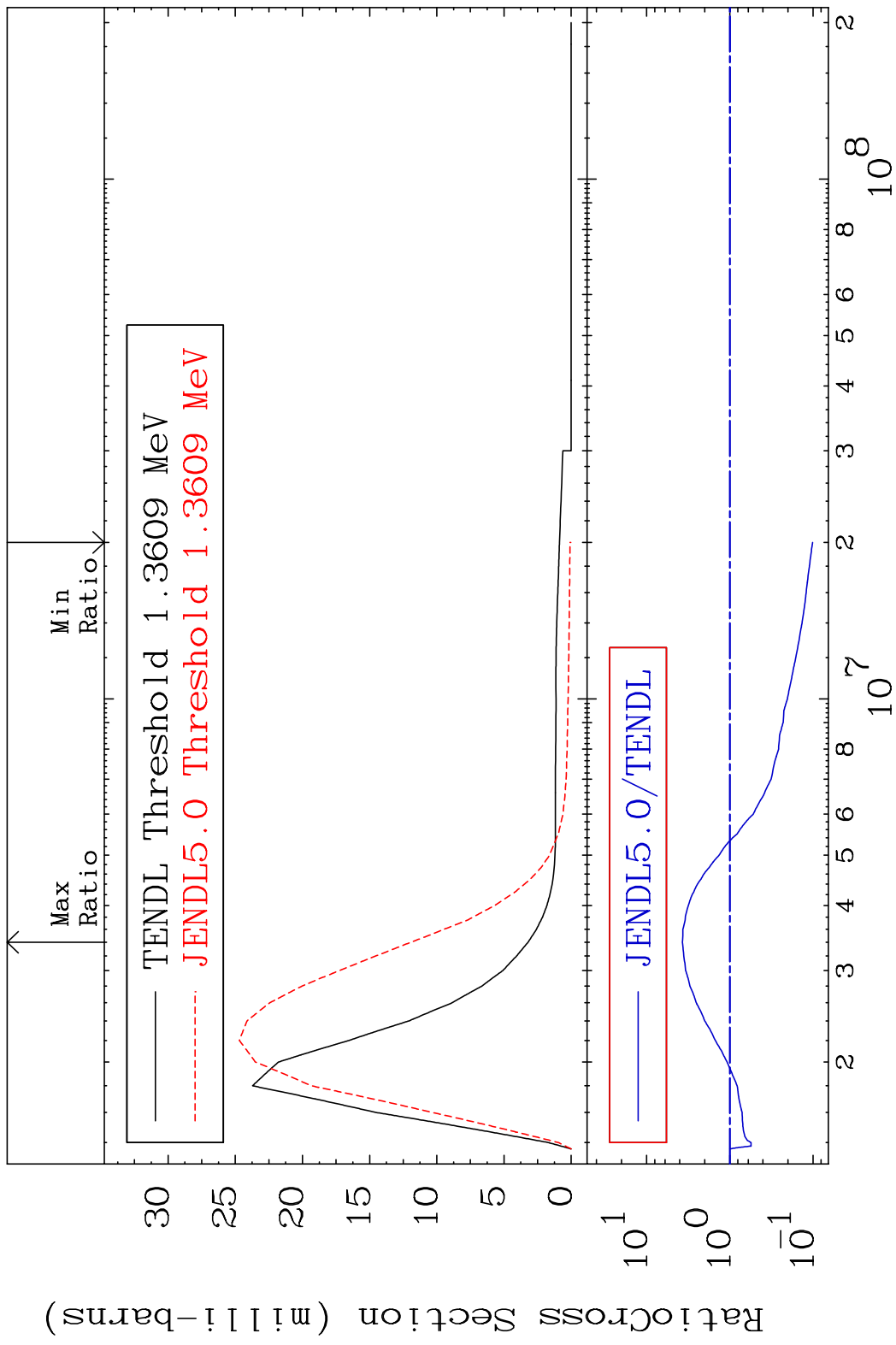
Incident Energy (eV)

70-Yb-172

MAT 7037 MT= 63 (n, n') Level 70-Yb-172
 Cross Section -33.26 To 9999. %



MAT 7037 MT= 64 (n, n') Level 70-Yb-172
 Cross Section -89.86 To 272.1 %

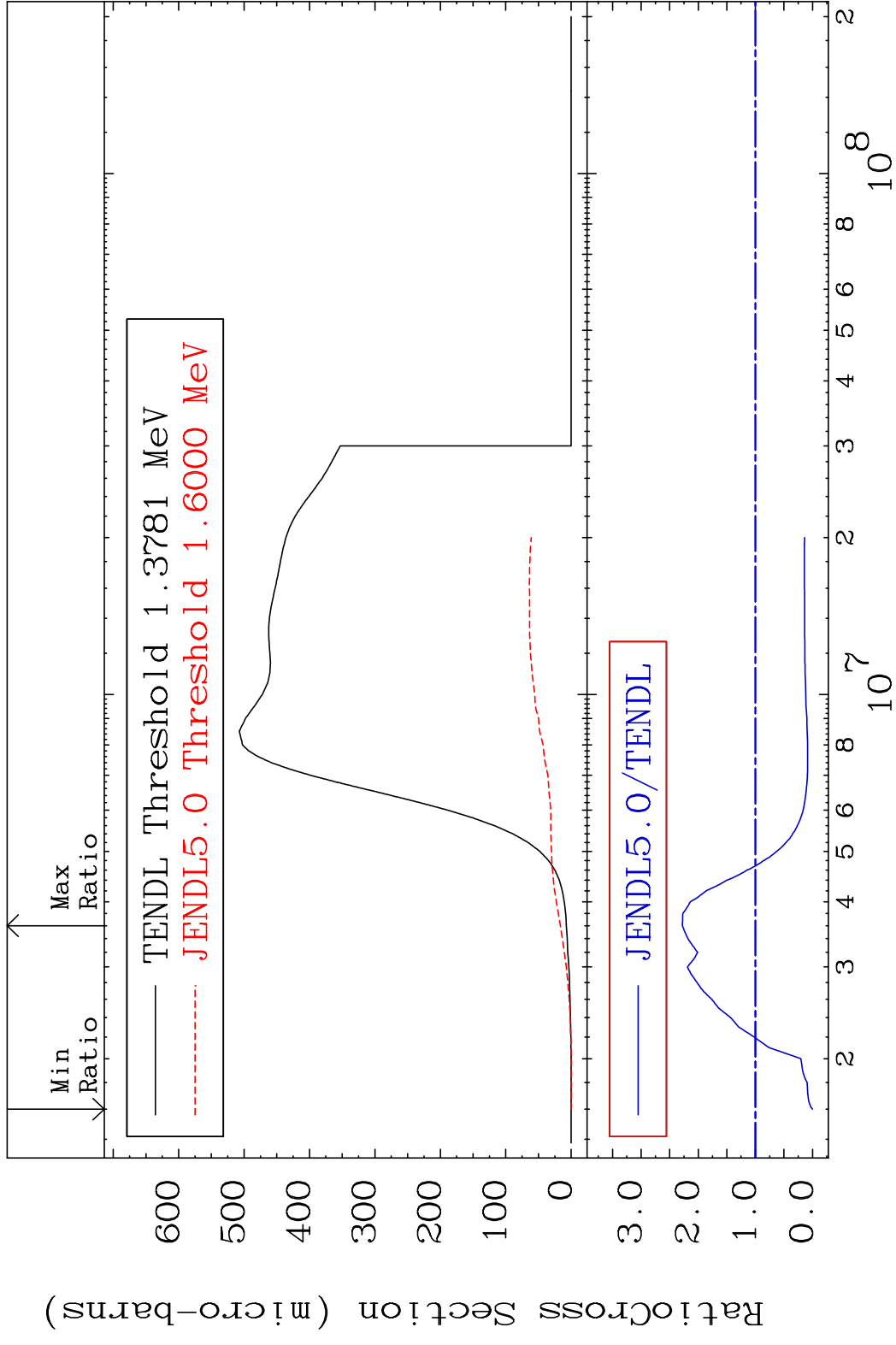


MAT 7037

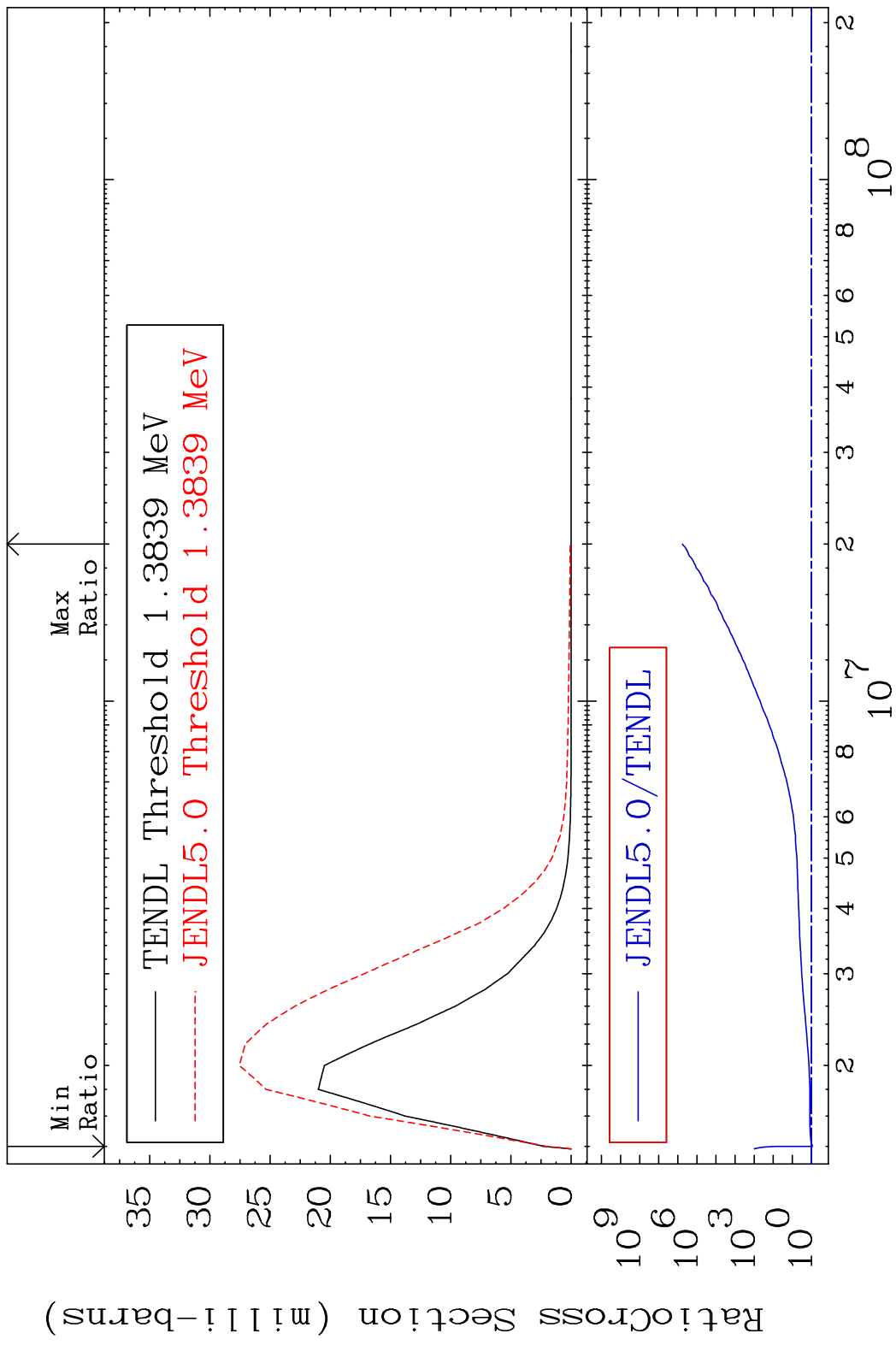
MT= 65 (n, n') Level

70-Yb-172

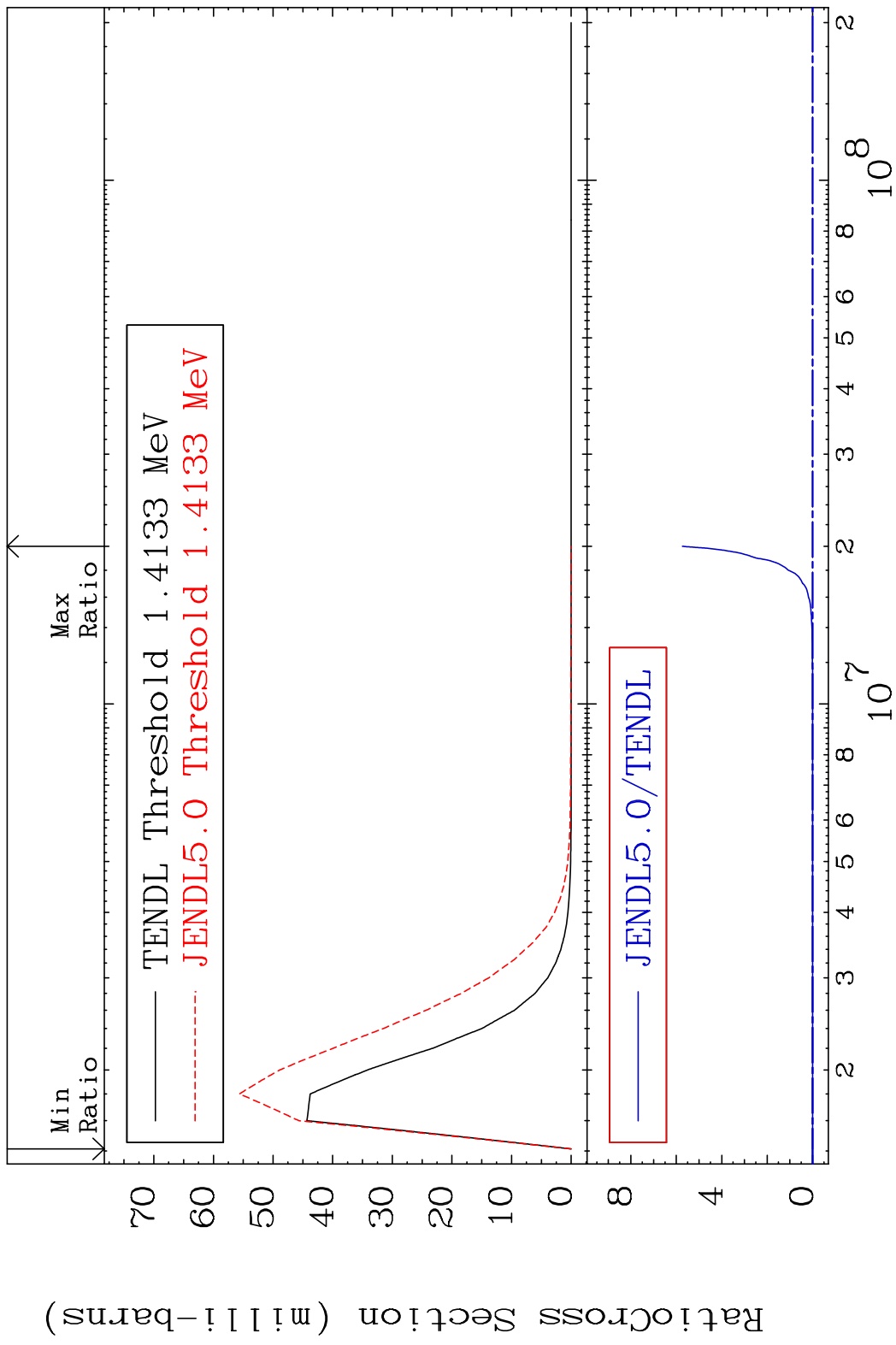
Cross Section -100.0 To 127.8 %



MAT 7037 MT= 66 (n, n') Level 70-Yb-172
 Cross Section -12.75 To 9999. %



MAT 7037 MT= 67 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 9999. %

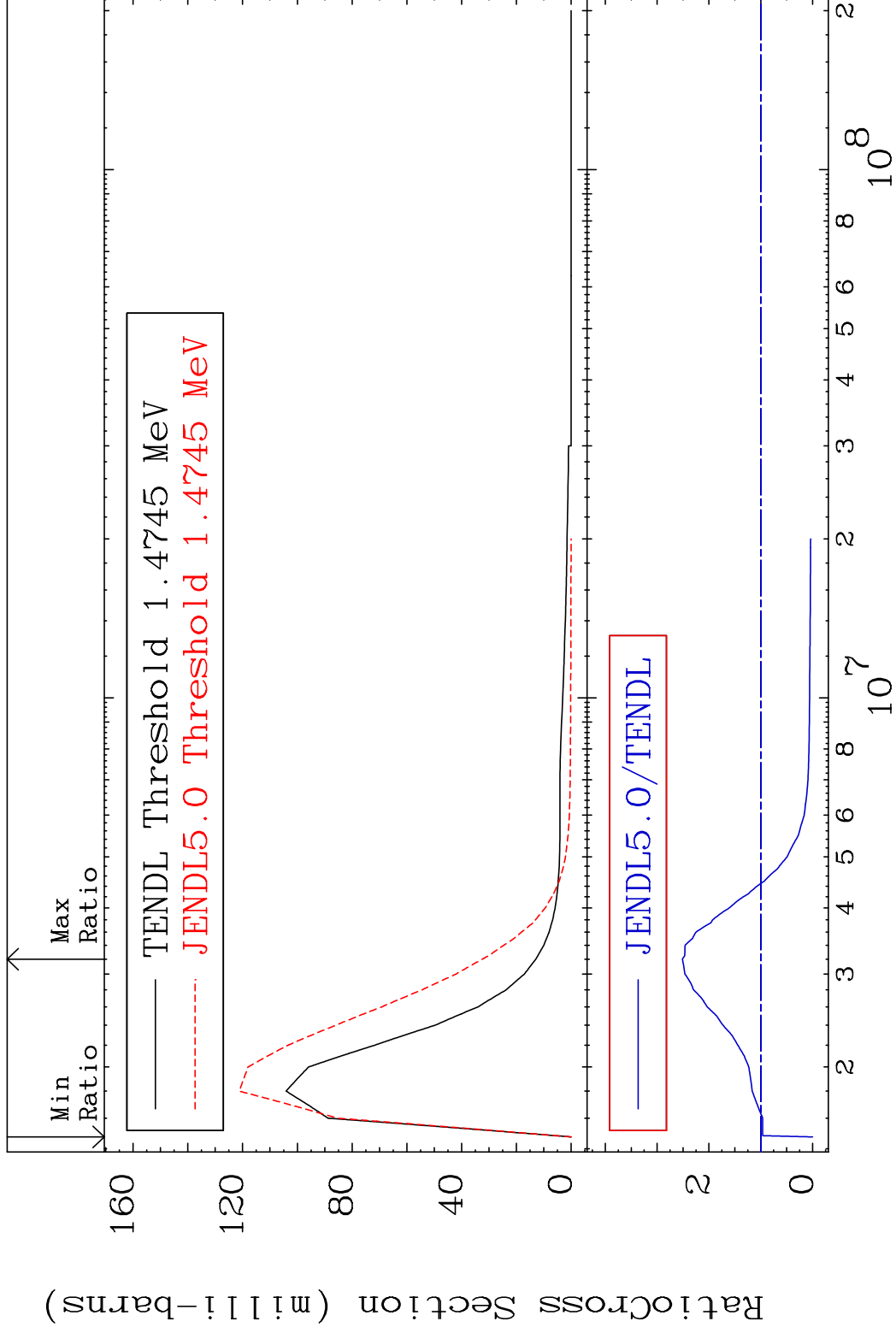


MAT 7037

MT= 68 (n, n') Level

70-Yb-172

Cross Section -100.0 To 151.3 %

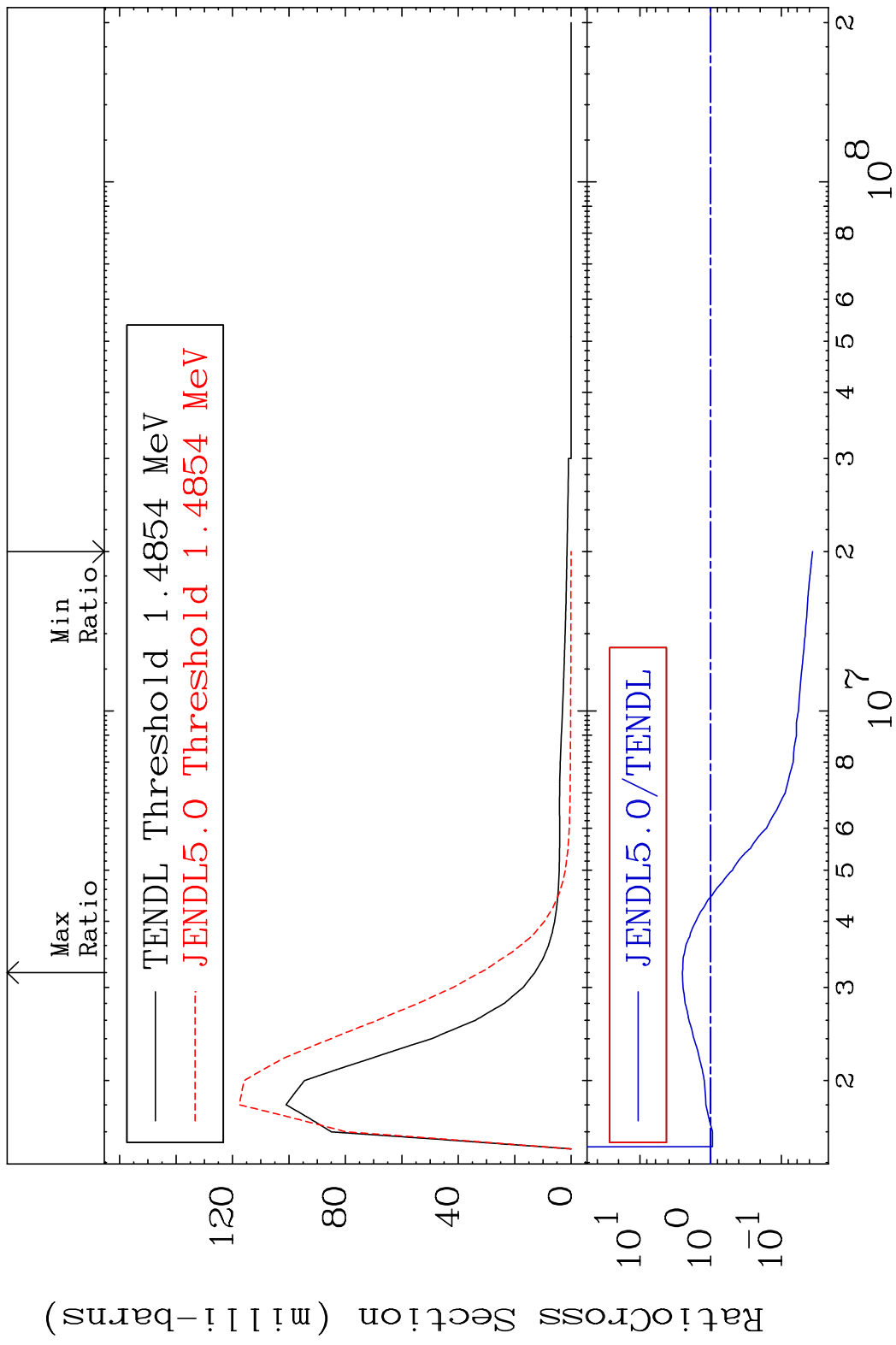


26

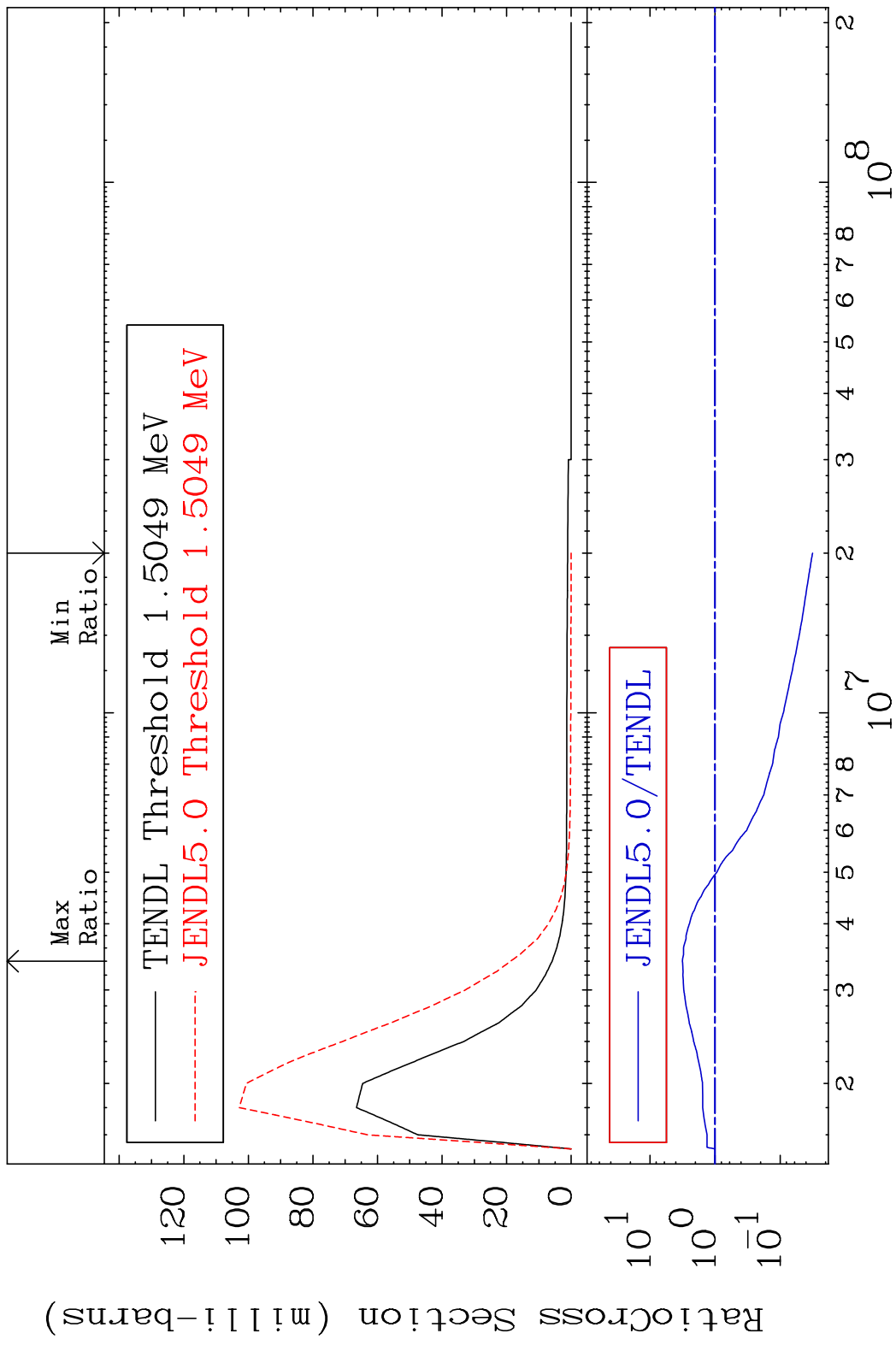
Incident Energy (eV)

70-Yb-172

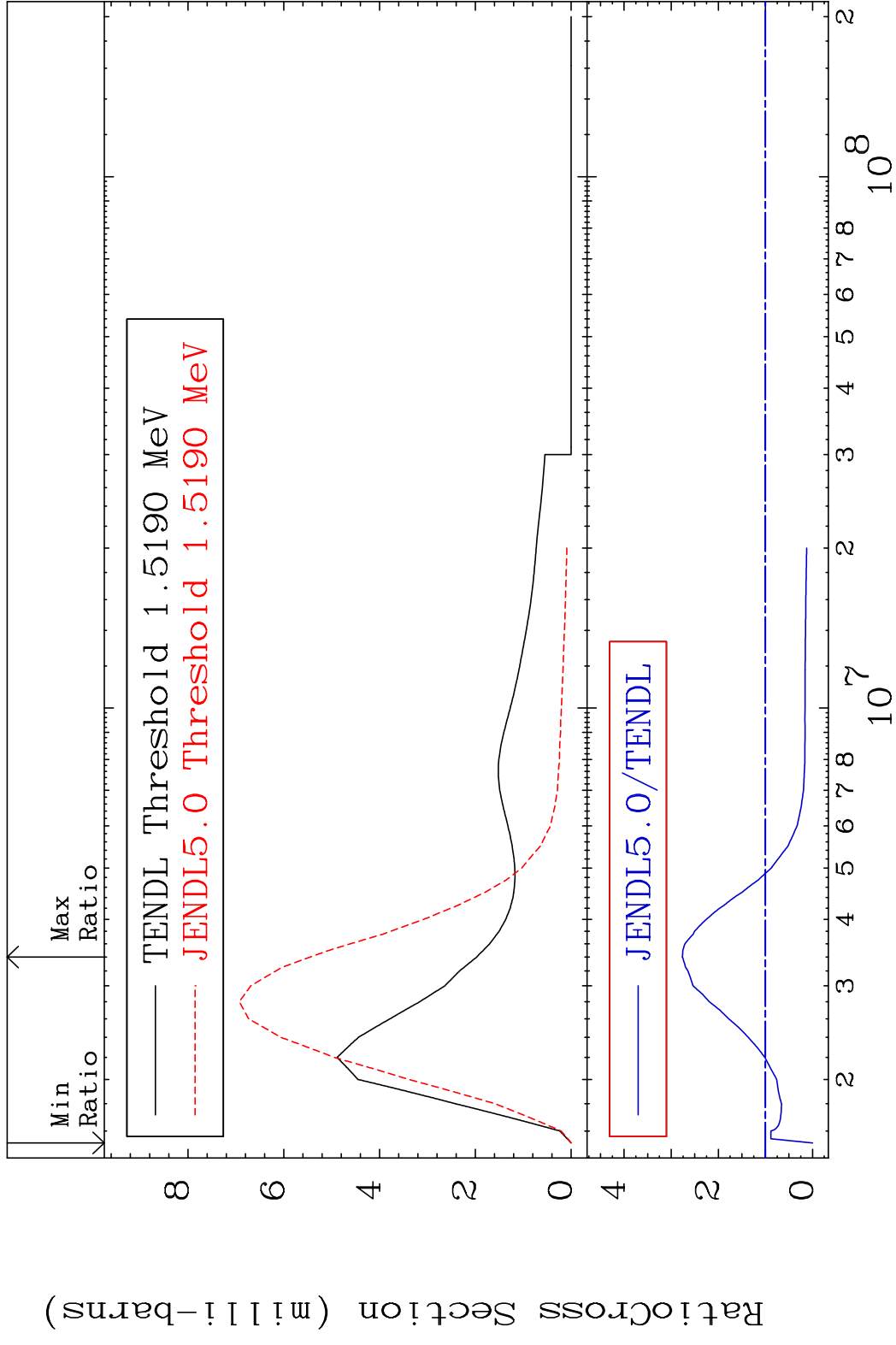
MAT 7037 MT= 69 (n, n') Level 70-Yb-172
 Cross Section -96.38 To 150.9 %



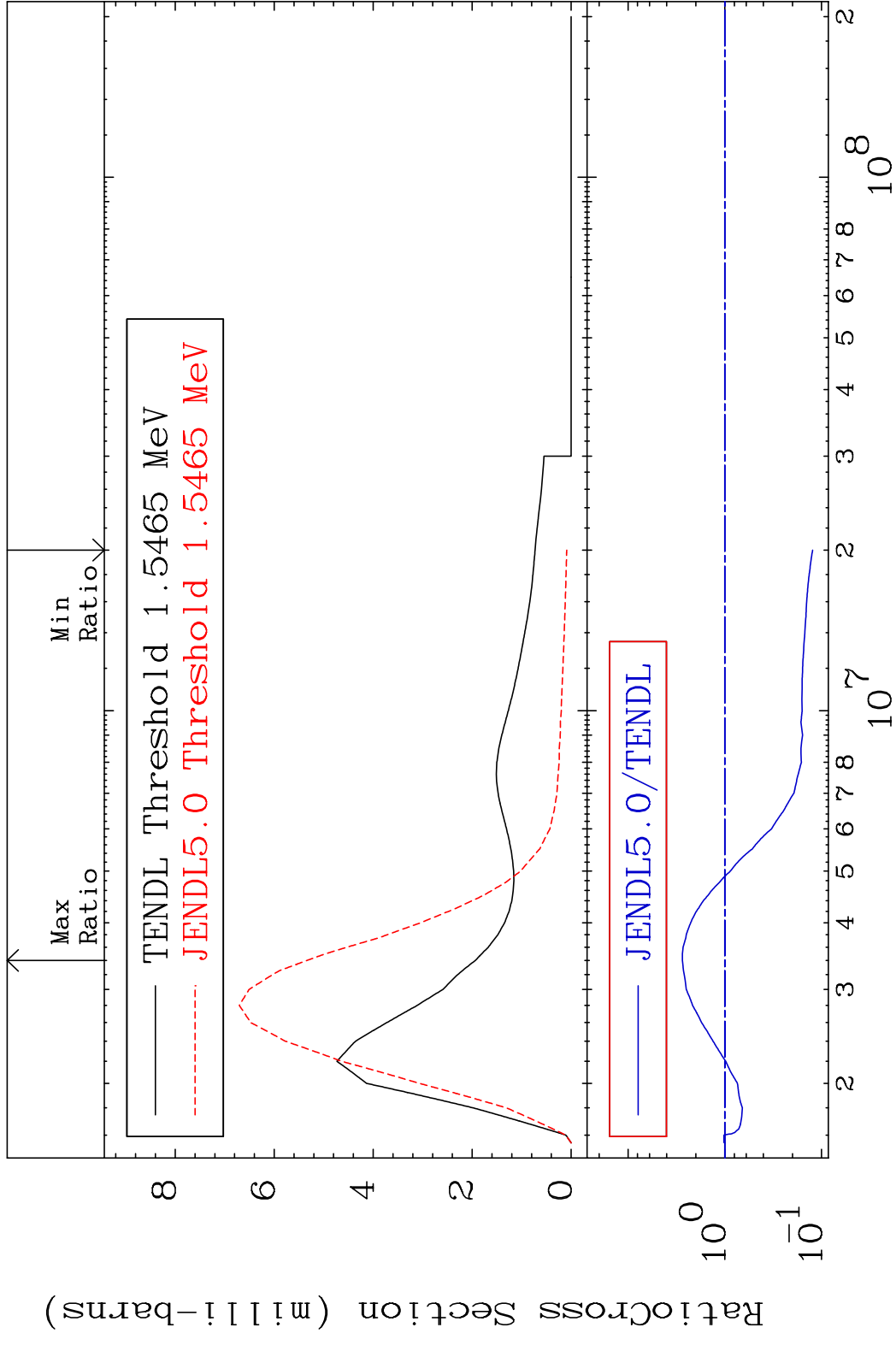
MAT 7037 MT= 70 (n, n') Level 70-Yb-172
 Cross Section -96.82 To 218.0 %



MAT 7037 MT= 71 (n, n') Level 70-Yb-172
 Cross Section -100.0 To 176.4 %

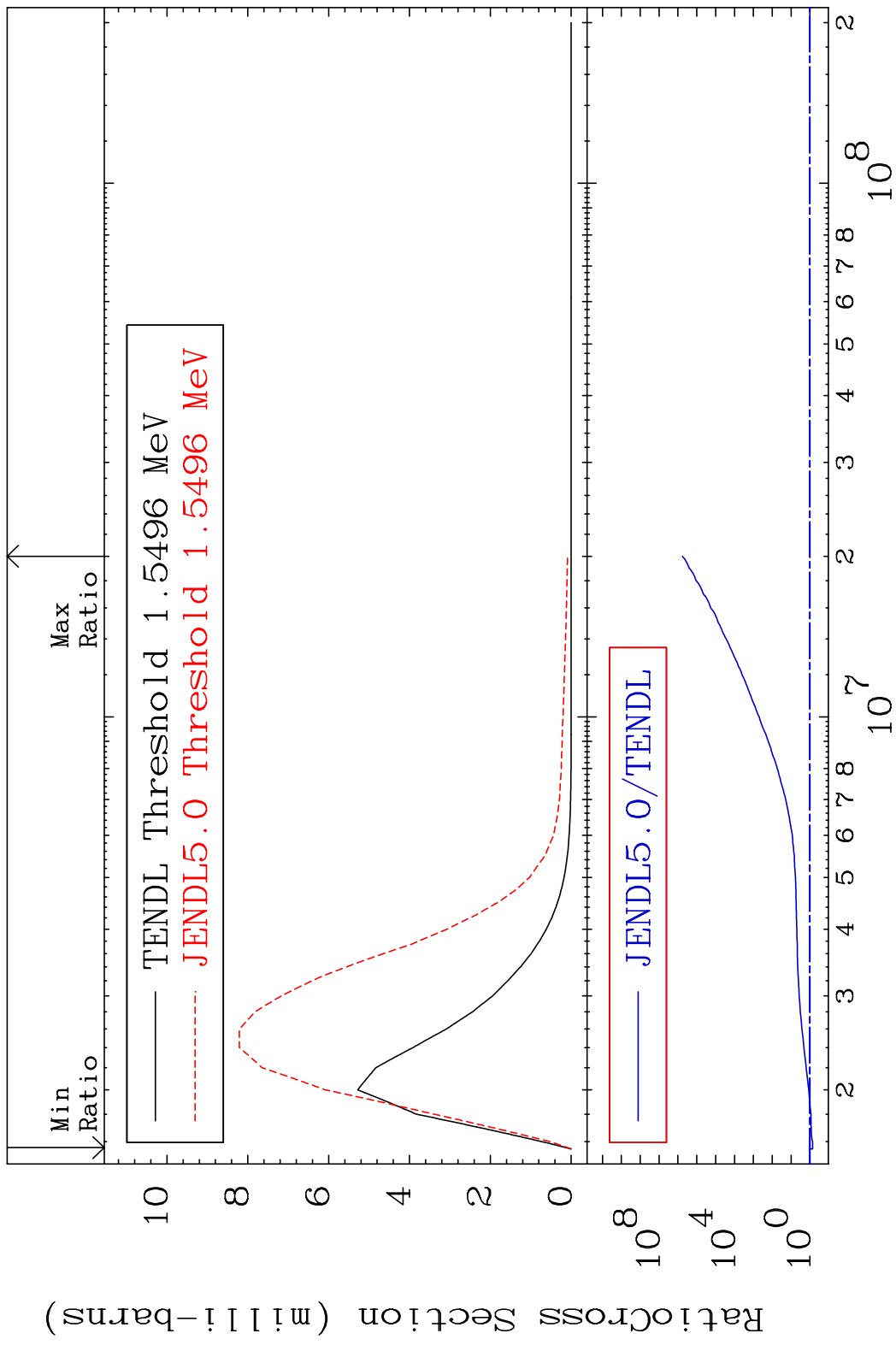


MAT 7037 MT= 72 (n, n') Level 70-Yb-172
 Cross Section -87.60 To 175.4 %

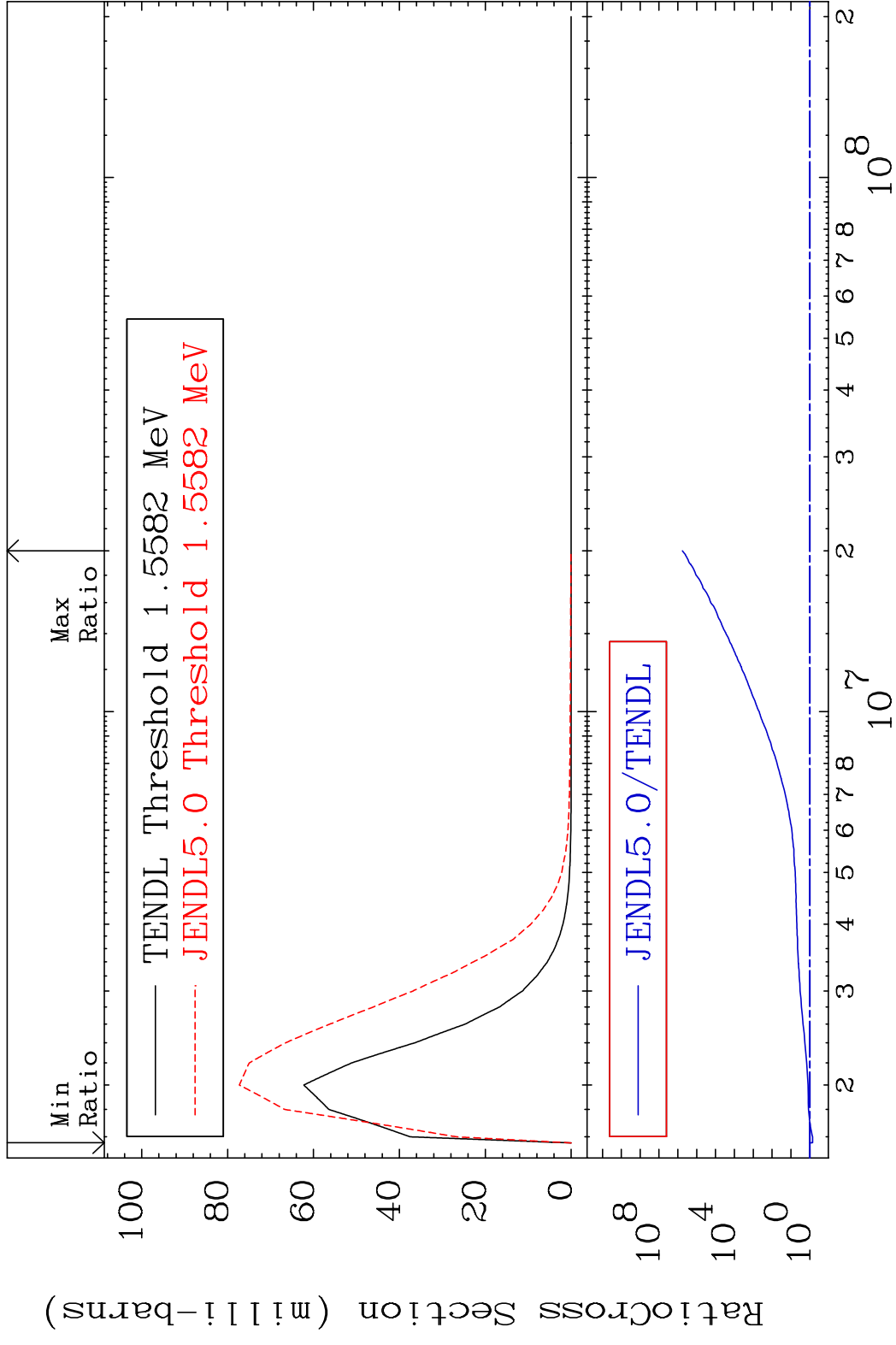


30 Incident Energy (eV) 70-Yb-172

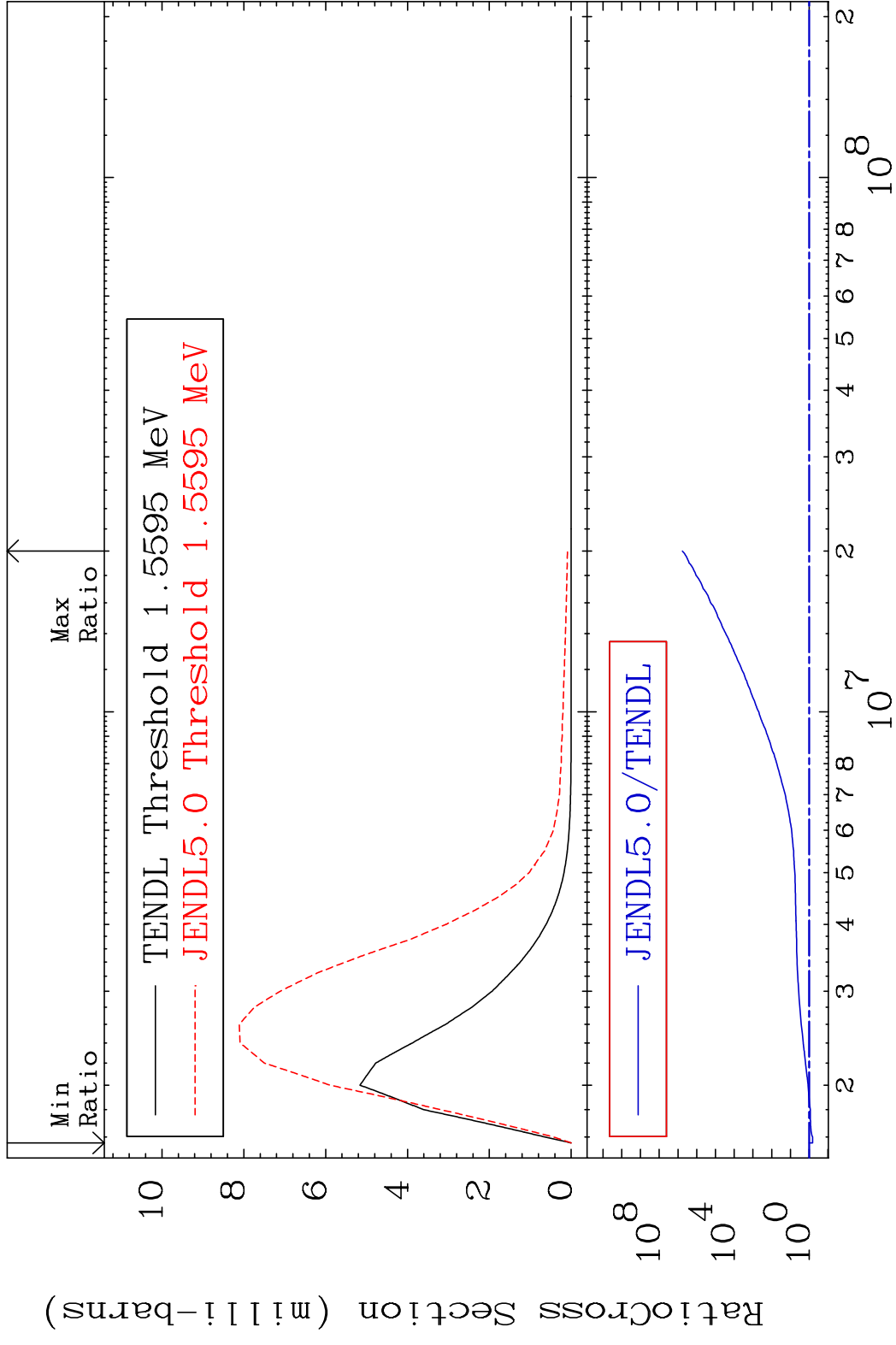
MAT 7037 MT= 73 (n, n') Level 70-Yb-172
 Cross Section -27.41 To 9999. %



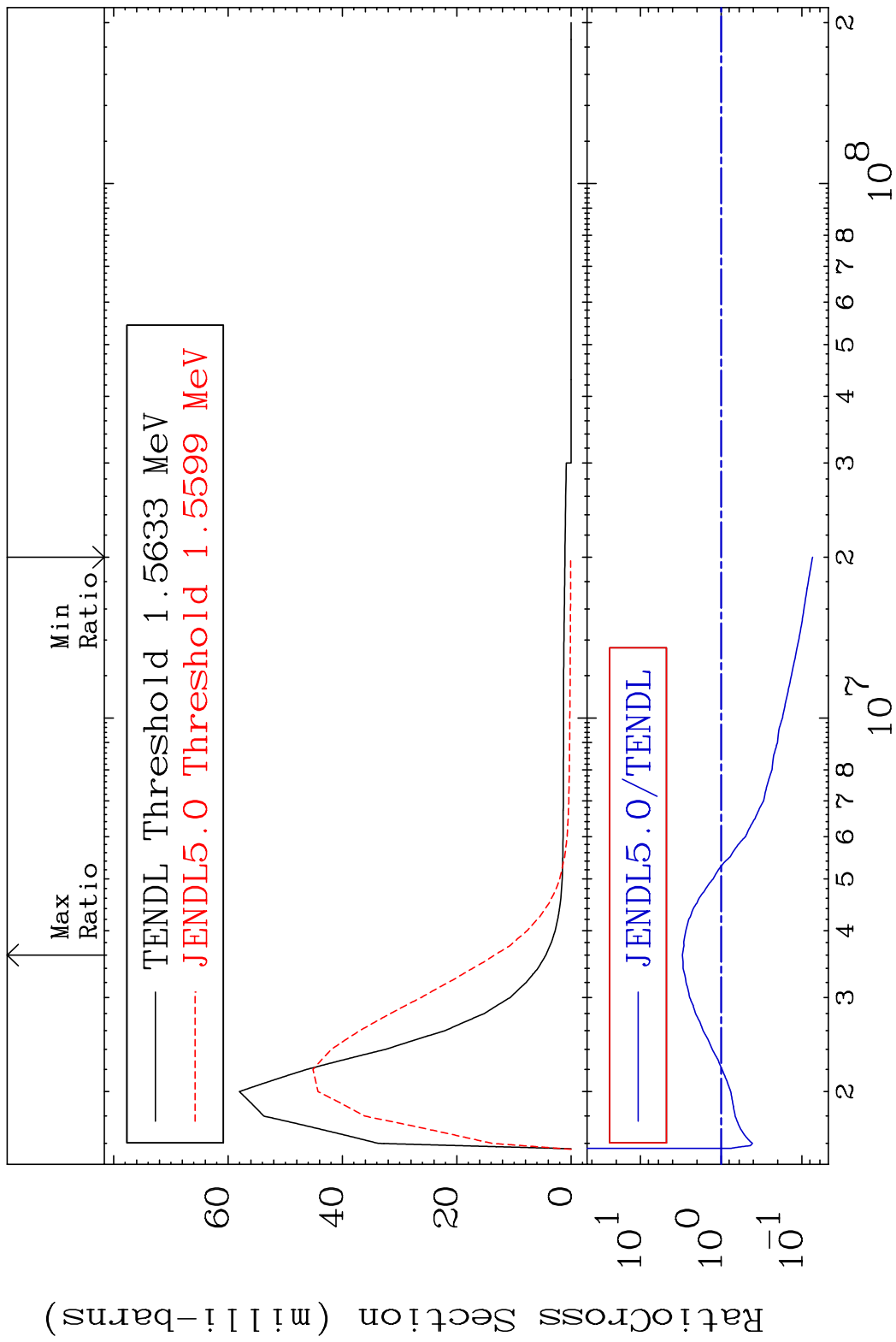
MAT 7037 MT= 74 (n, n') Level 70-Yb-172
 Cross Section -28.64 To 9999. %



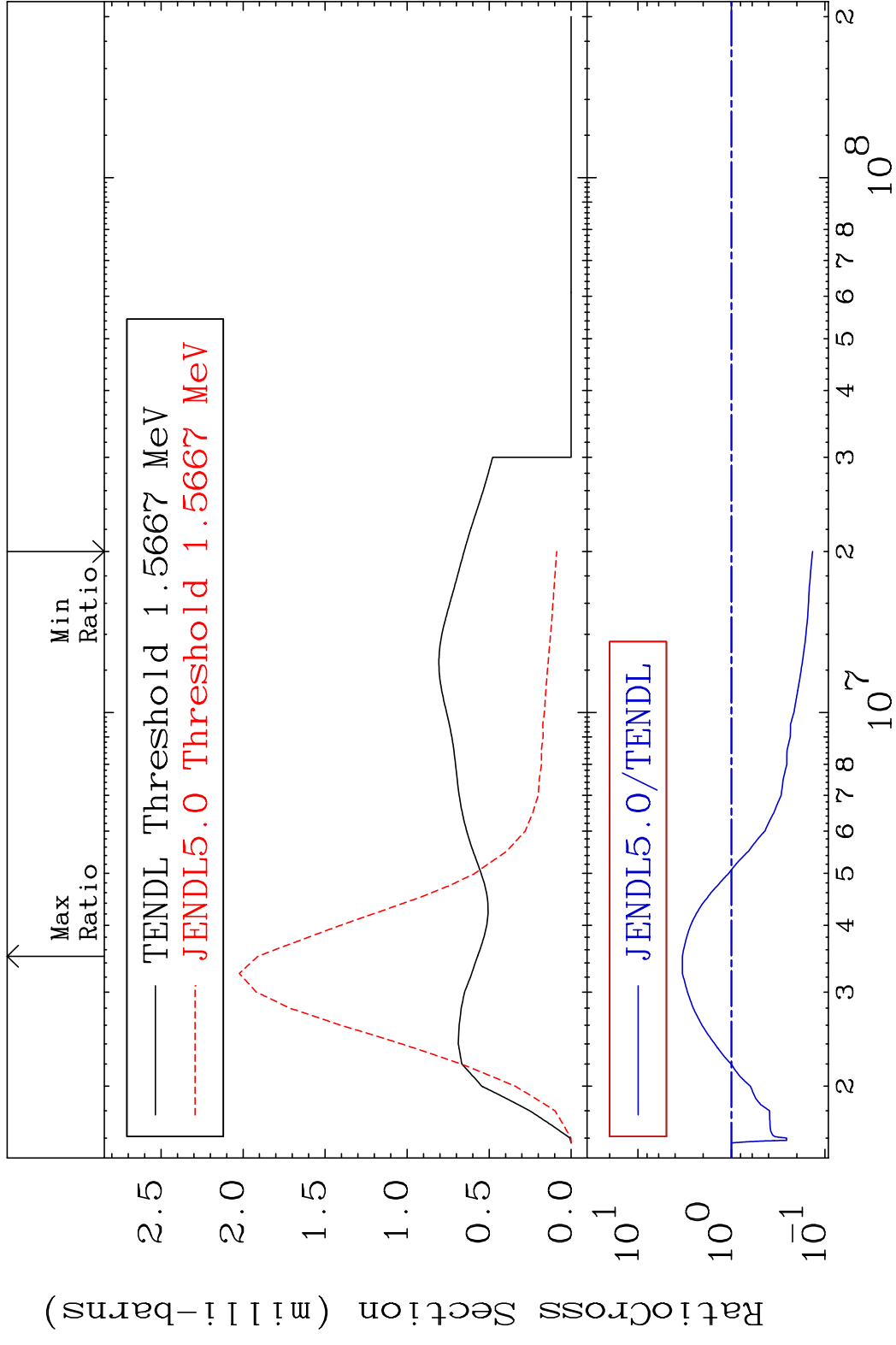
MAT 7037 MT= 75 (n, n') Level 70-Yb-172
 Cross Section -33.68 To 9999. %



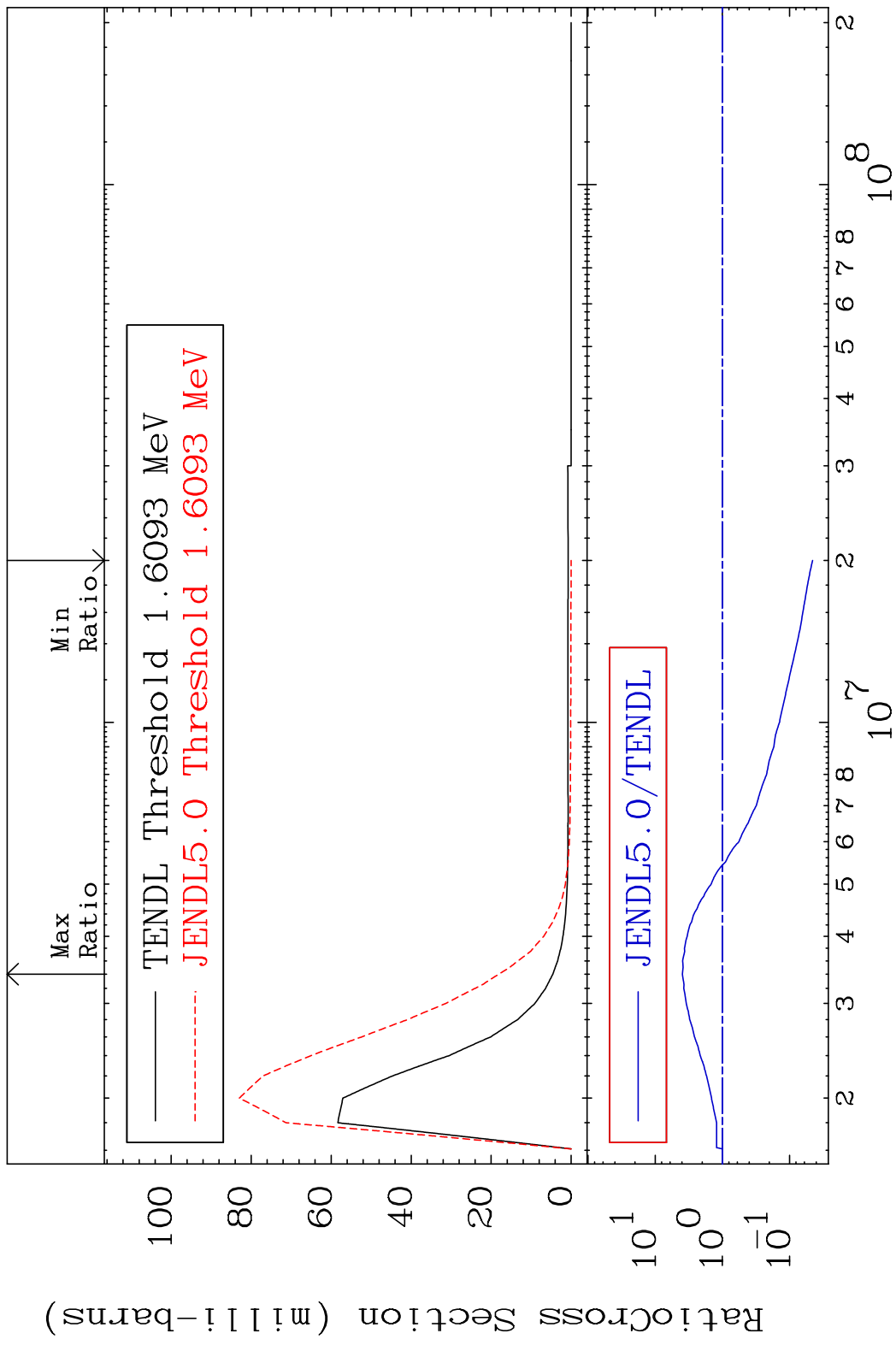
MAT 7037 MT= 76 (n, n') Level 70-Yb-172
 Cross Section -92.61 To 203.3 %



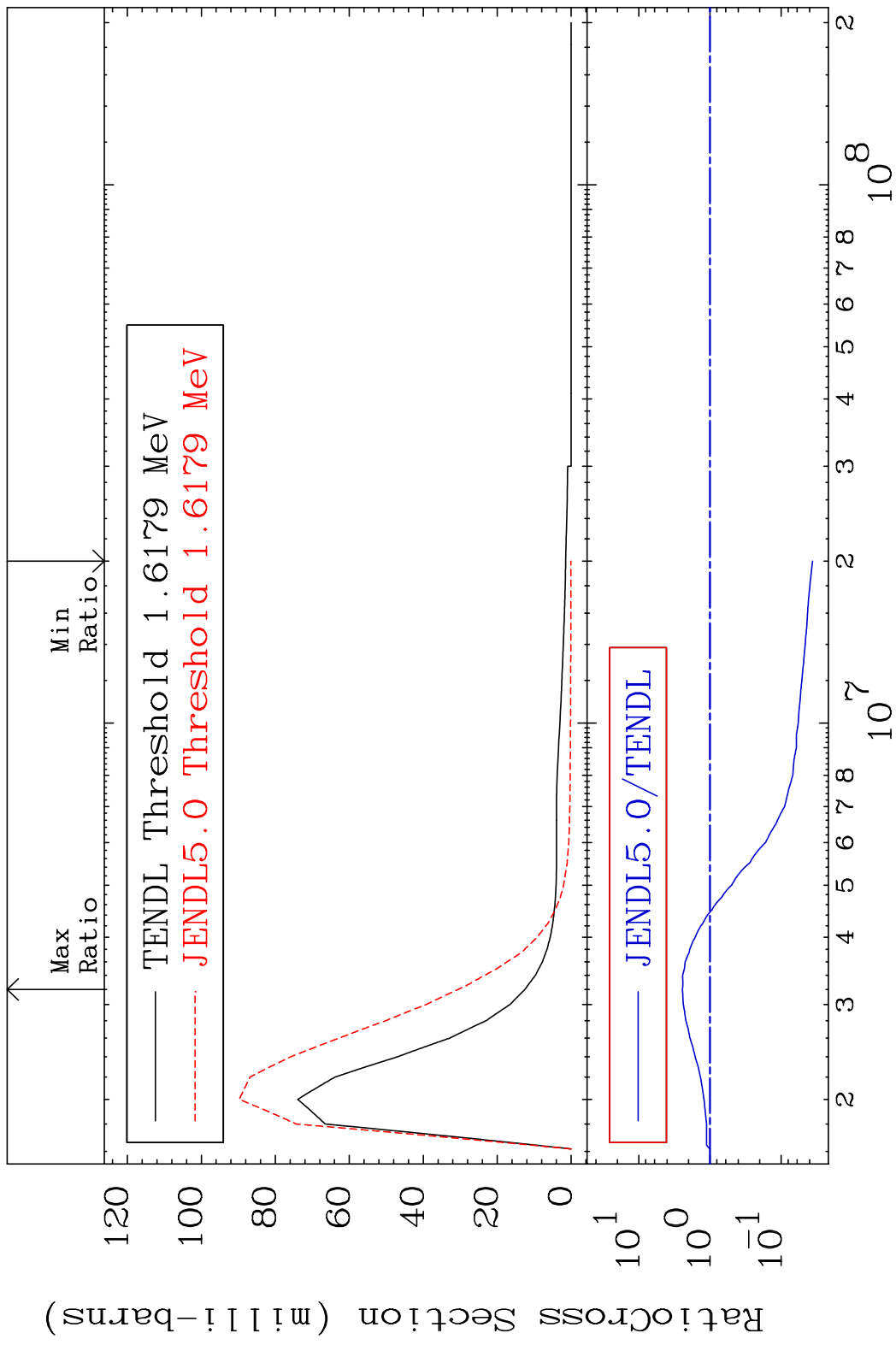
MAT 7037 MT= 77 (n,n') Level 70-Yb-172
 Cross Section -86.44 To 234.6 %



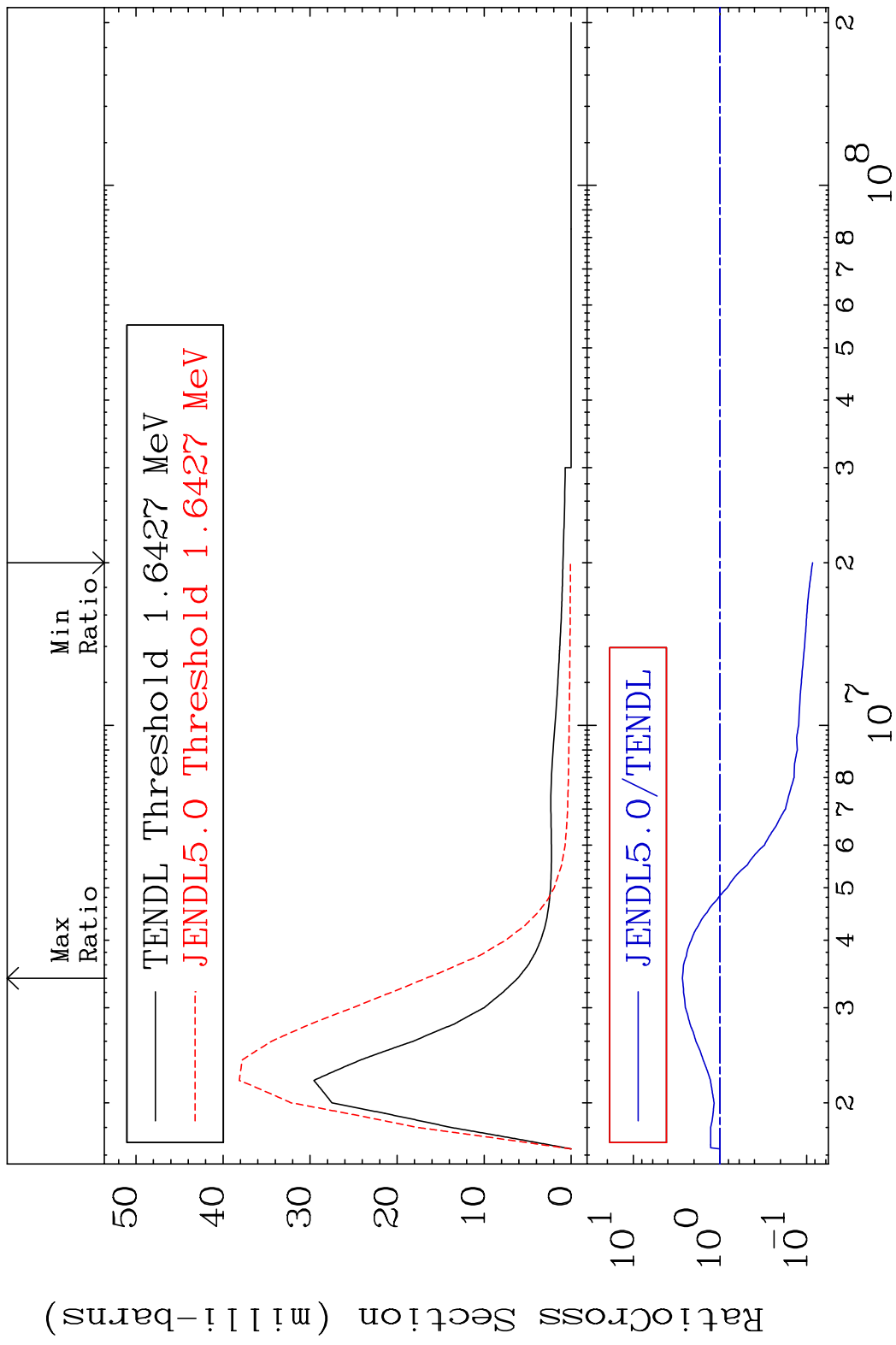
MAT 7037 MT= 78 (n,n') Level 70-Yb-172
 Cross Section -95.46 To 294.6 %



MAT 7037 MT= 79 (n, n') Level 70-Yb-172
 Cross Section -96.37 To 144.4 %



MAT 7037 MT= 80 (n,n') Level 70-Yb-172
 Cross Section -91.47 To 172.3 %

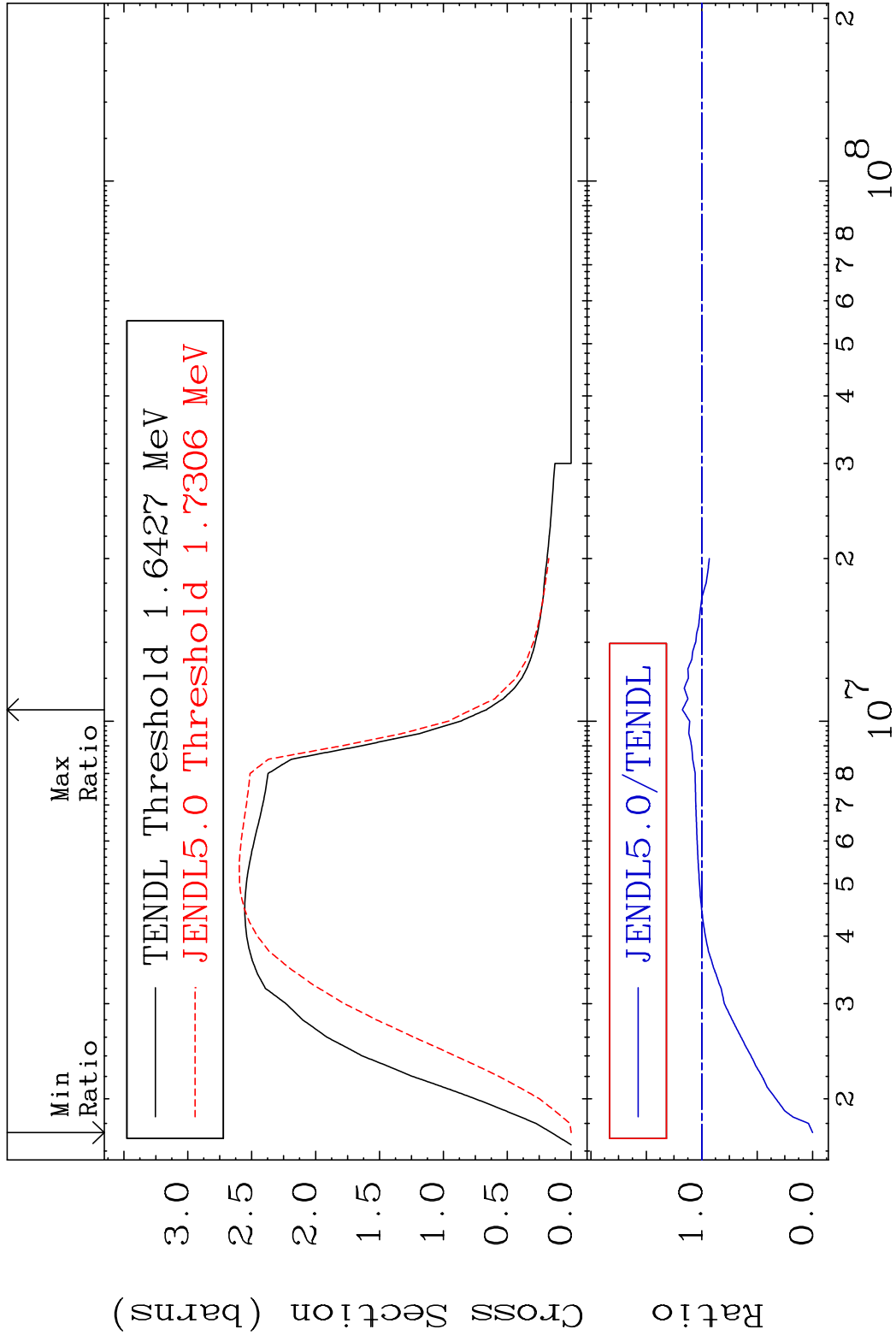


MAT 7037

(n, n') Continuum

70-Yb-172

Cross Section -100.0 To 17.46 %

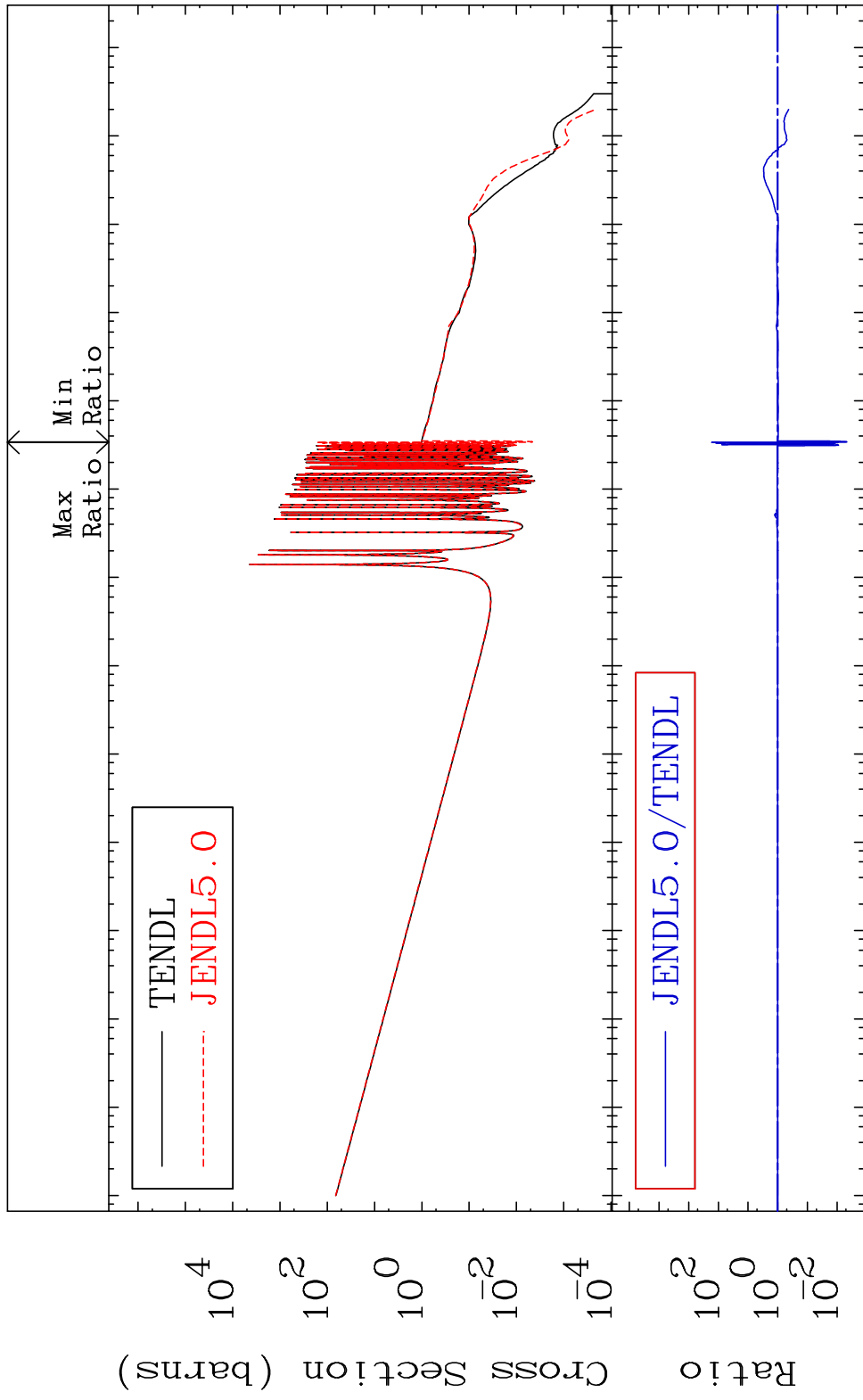


MAT 7037

(n, γ)

70-Yb-172

Cross Section -99.55 To 9999. %



40

Incident Energy (eV)

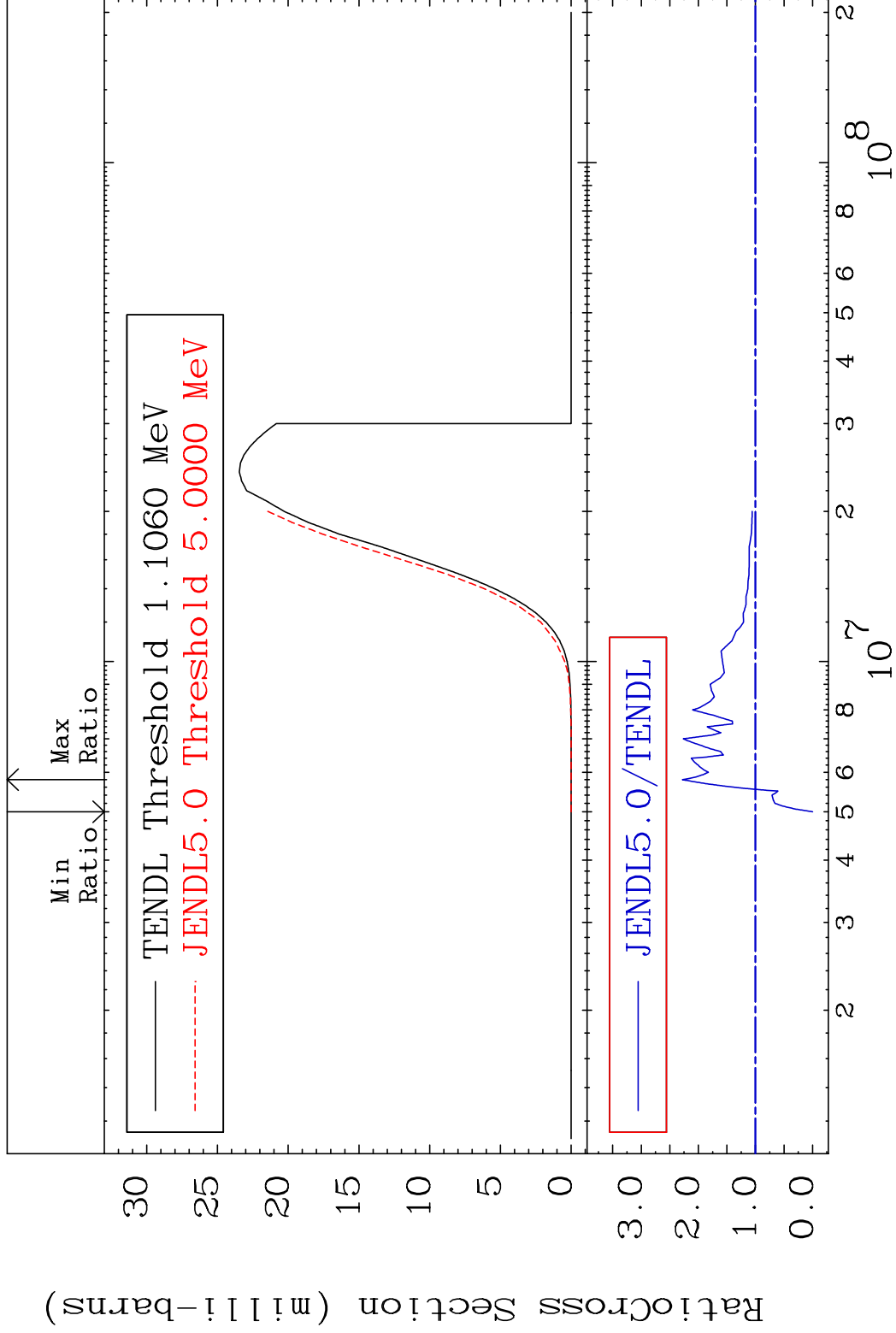
70-Yb-172

MAT 7037

(n, p)

70-Yb-172

Cross Section -100.0 To 128.0 %

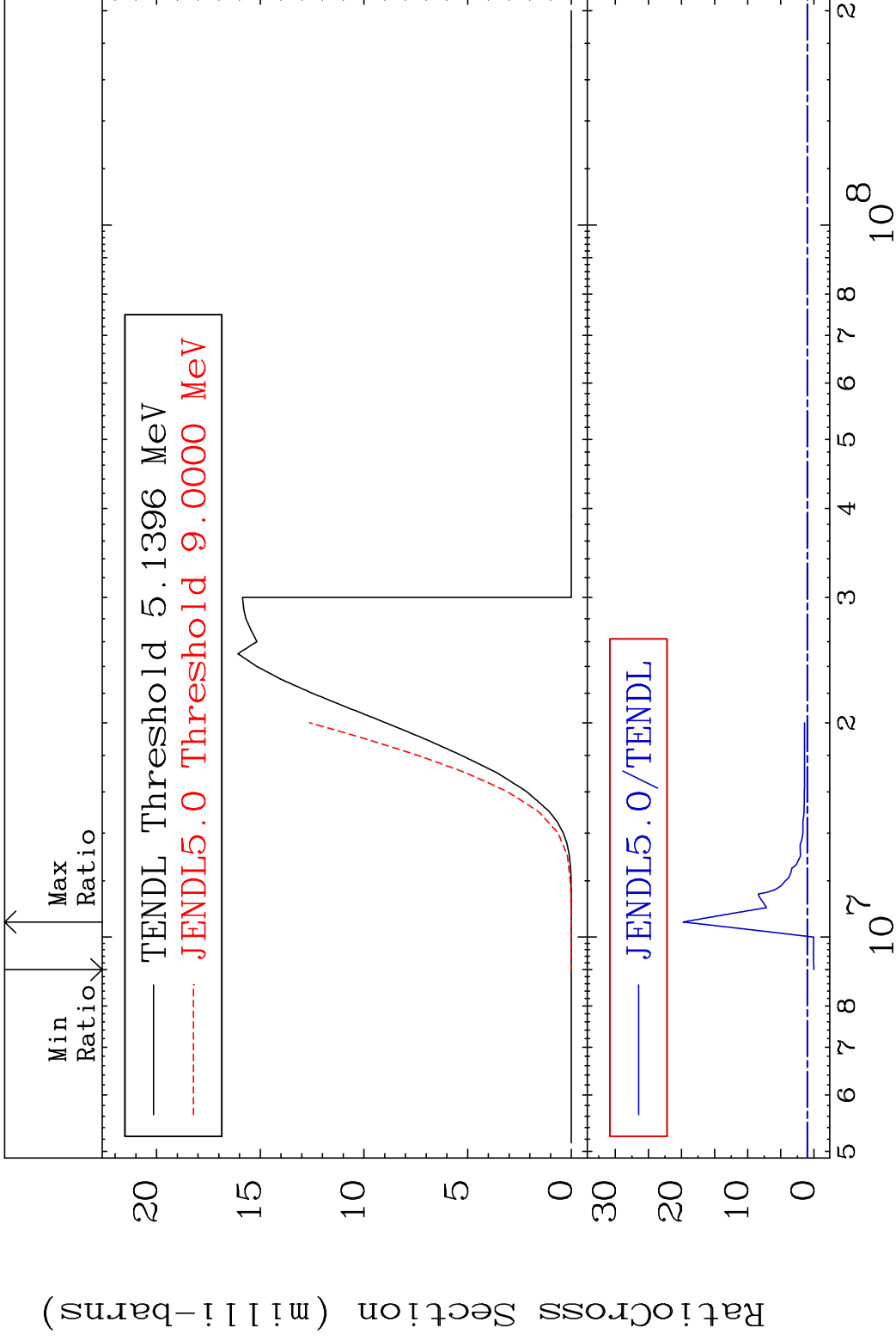


MAT 7037

(n,d)

70-Yb-172

Cross Section -100.0 To 1877. %



42

Incident Energy (eV)

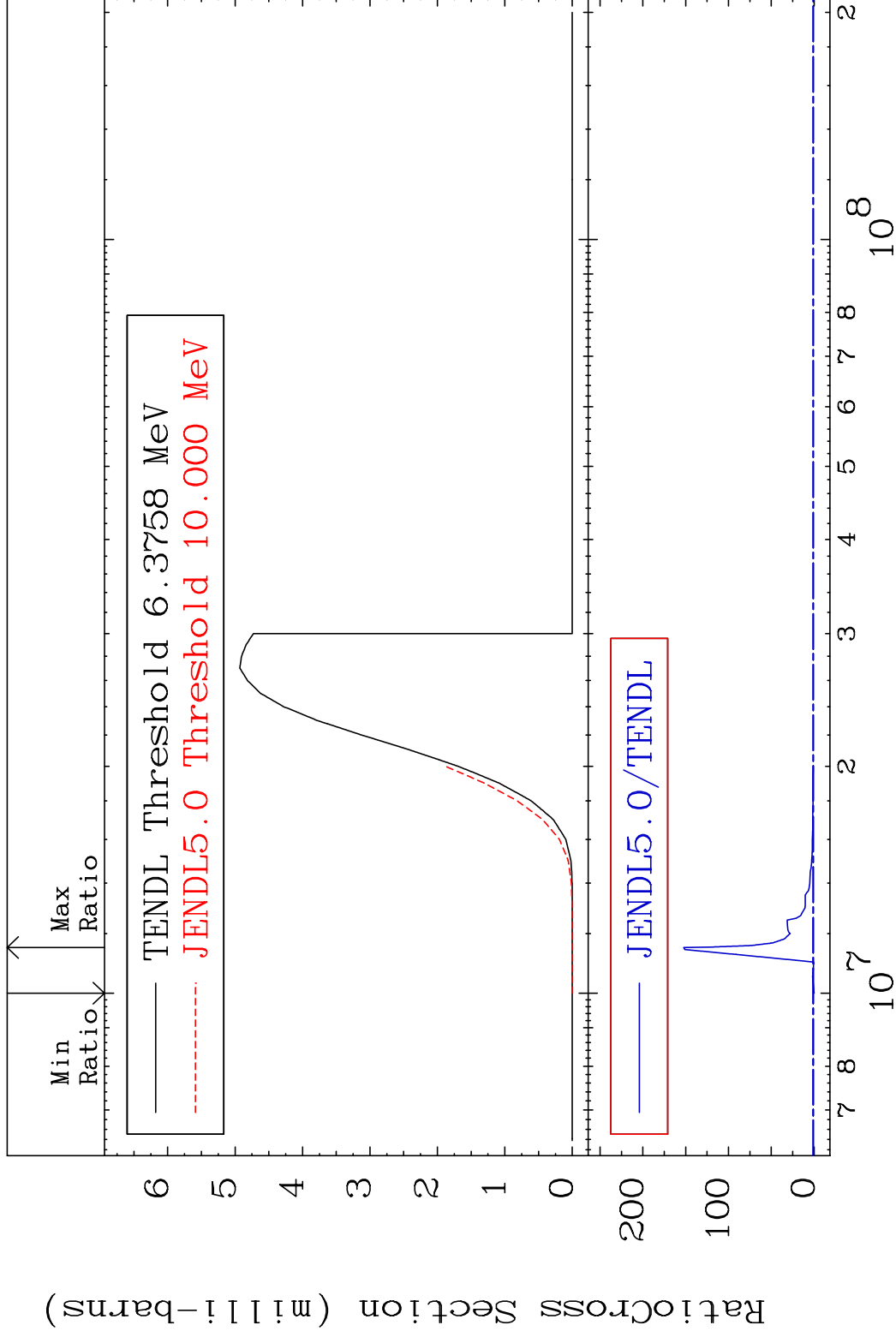
70-Yb-172

MAT 7037

(n, t)

70-Yb-172

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

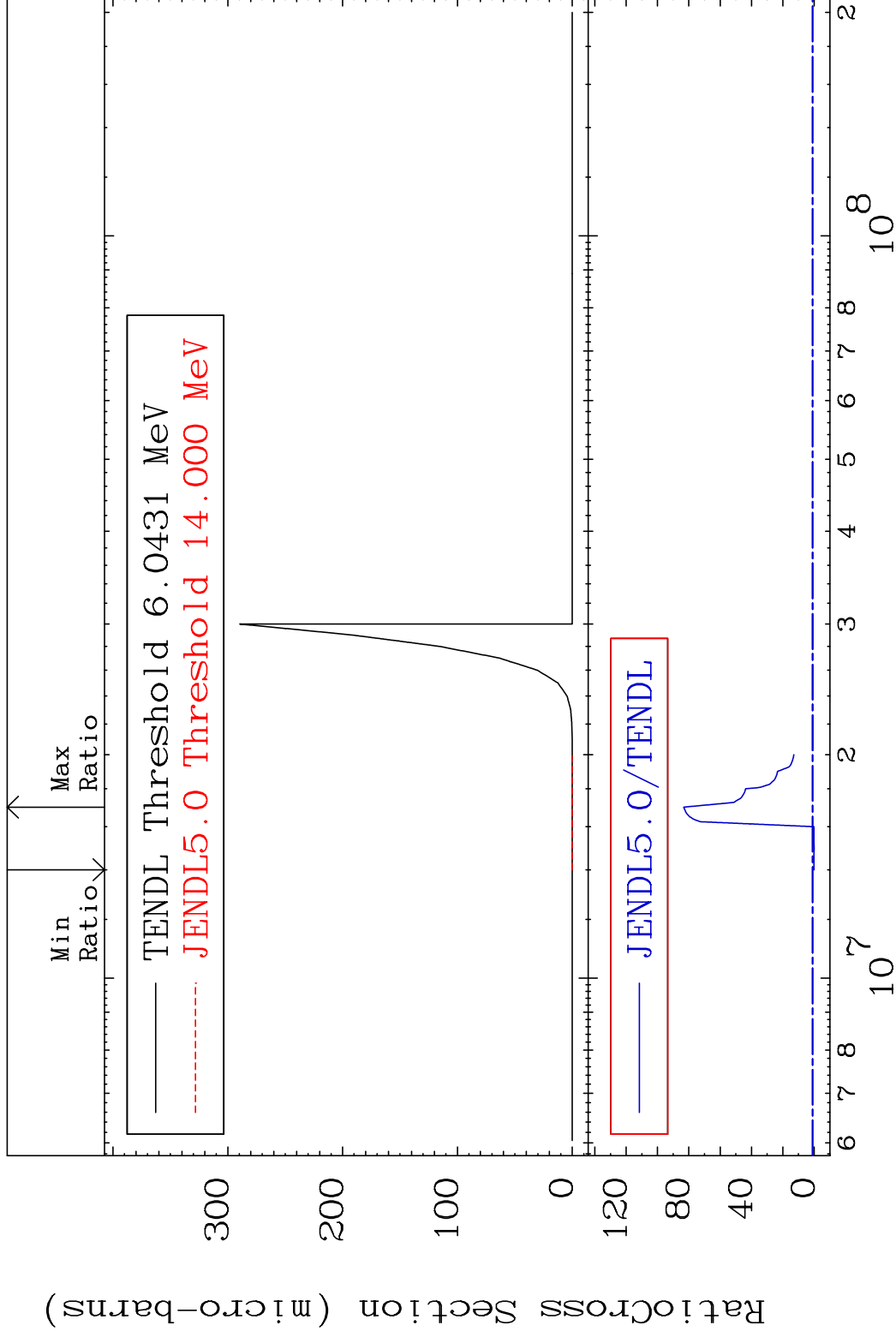
70-Yb-172

MAT 7037

(n, He-3)

70-Yb-172

Cross Section -100.0 To 8230. %



44

Incident Energy (eV)

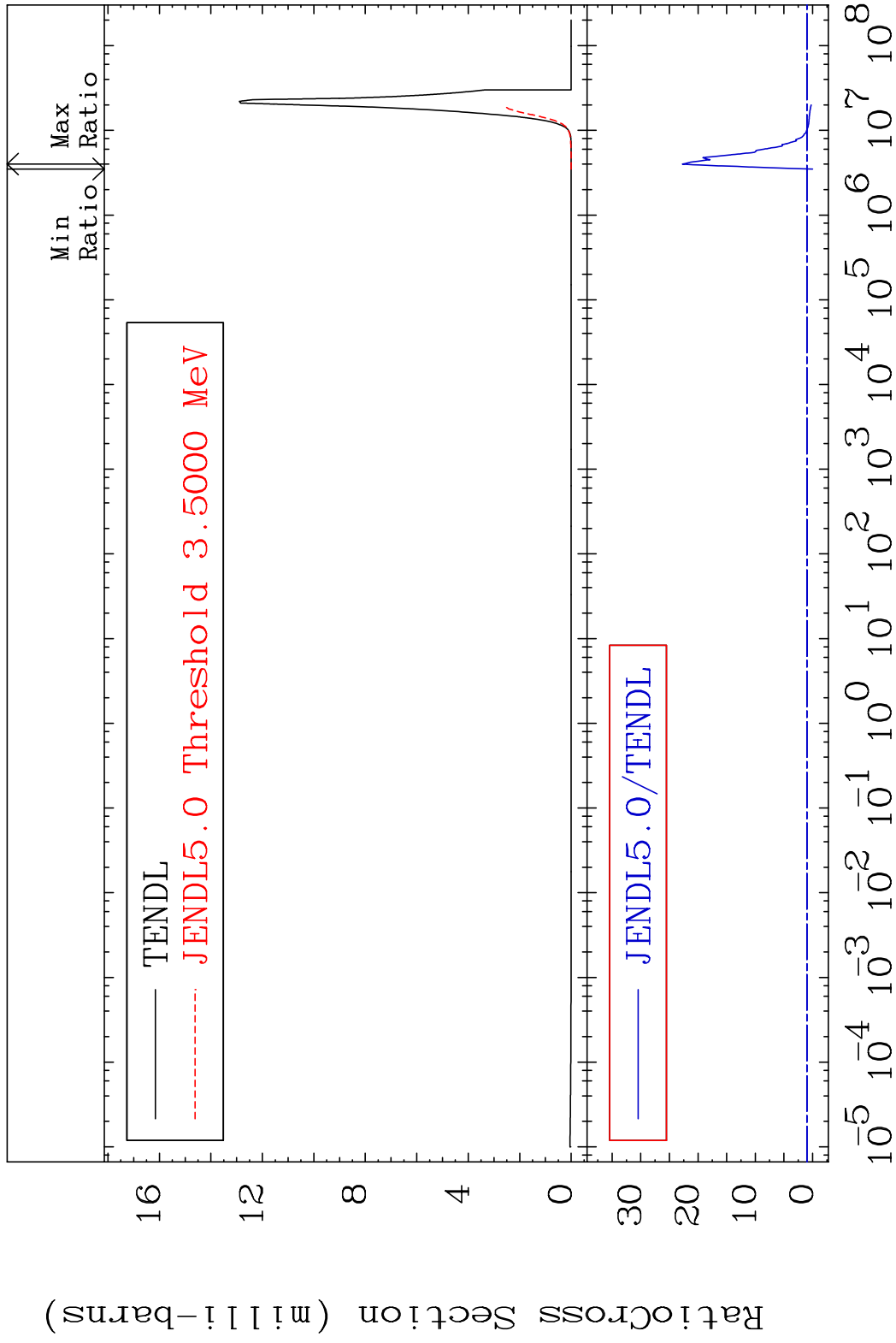
70-Yb-172

MAT 7037

(n, α)

70-Yb-172

Cross Section -100.0 To 2173. %



45

Incident Energy (eV)

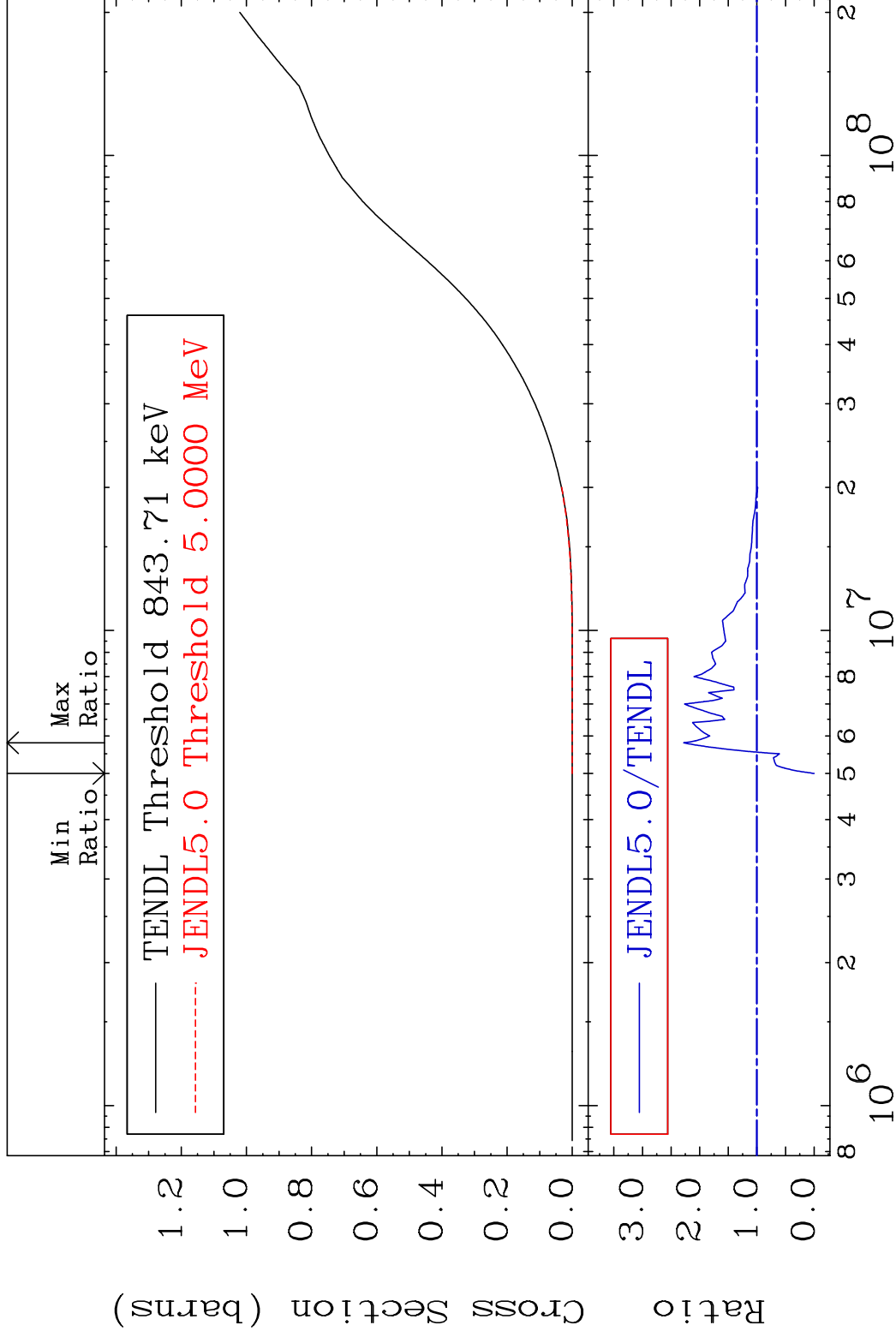
70-Yb-172

MAT 7037

Hydrogen Production

70-Yb-172

Cross Section -100.0 To 128.0 %



46

Incident Energy (eV)

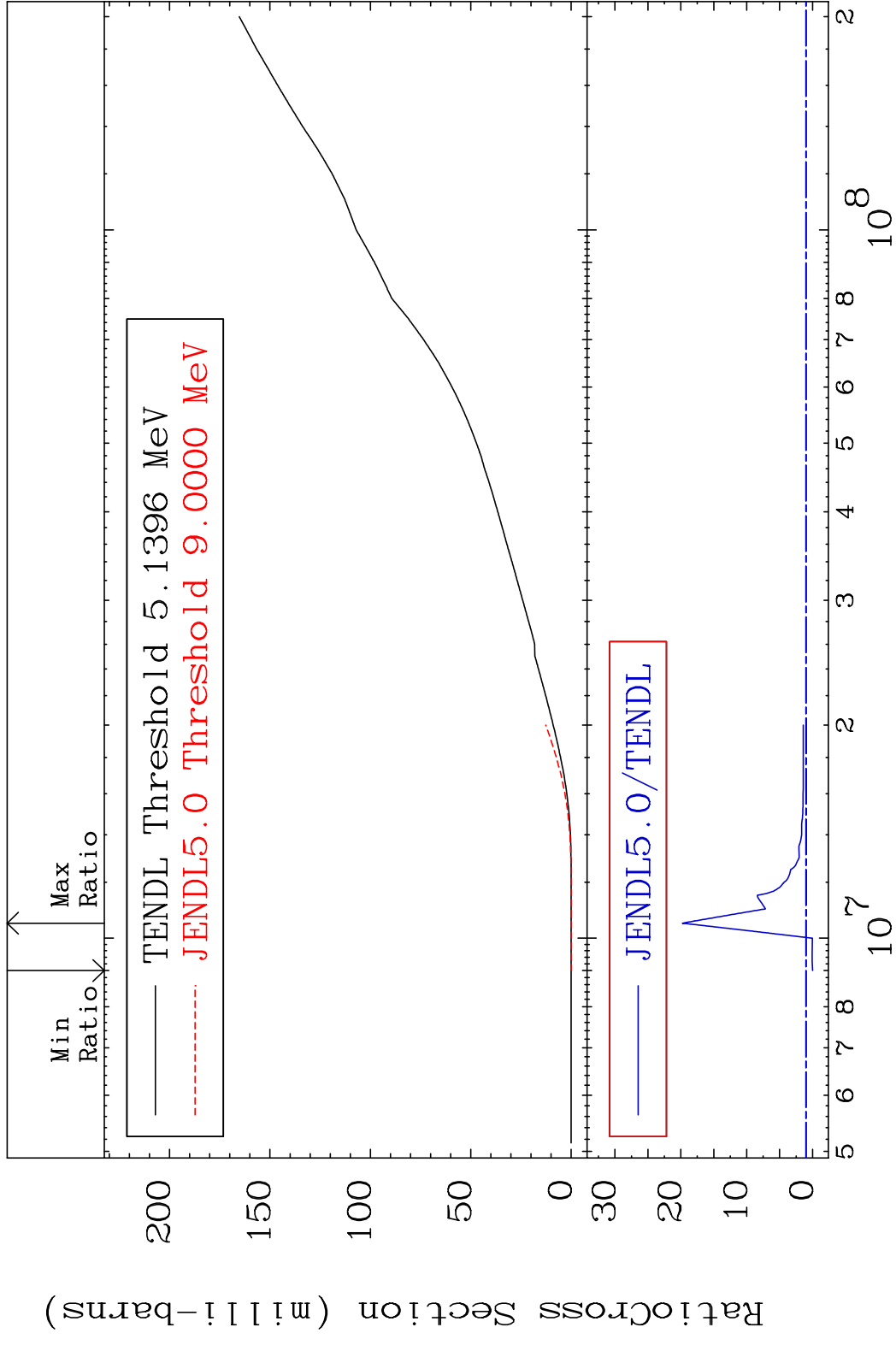
70-Yb-172

MAT 7037

Deuterium Production

70-Yb-172

Cross Section -100.0 To 1877. %



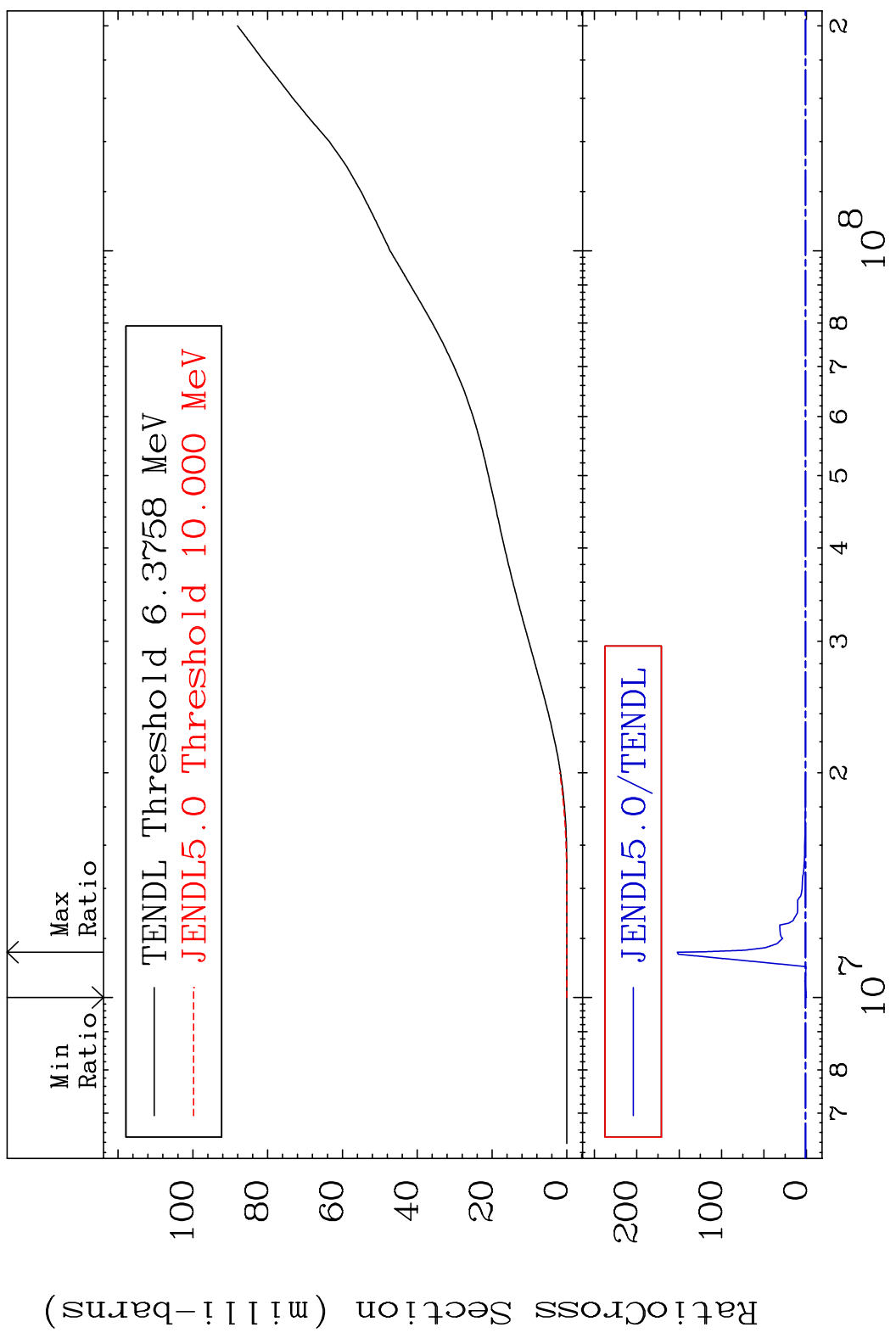
47

Incident Energy (eV)

70-Yb-172

MAT 7037

Tritium Production 70-Yb-172
Cross Section -100.0 To 9999. %

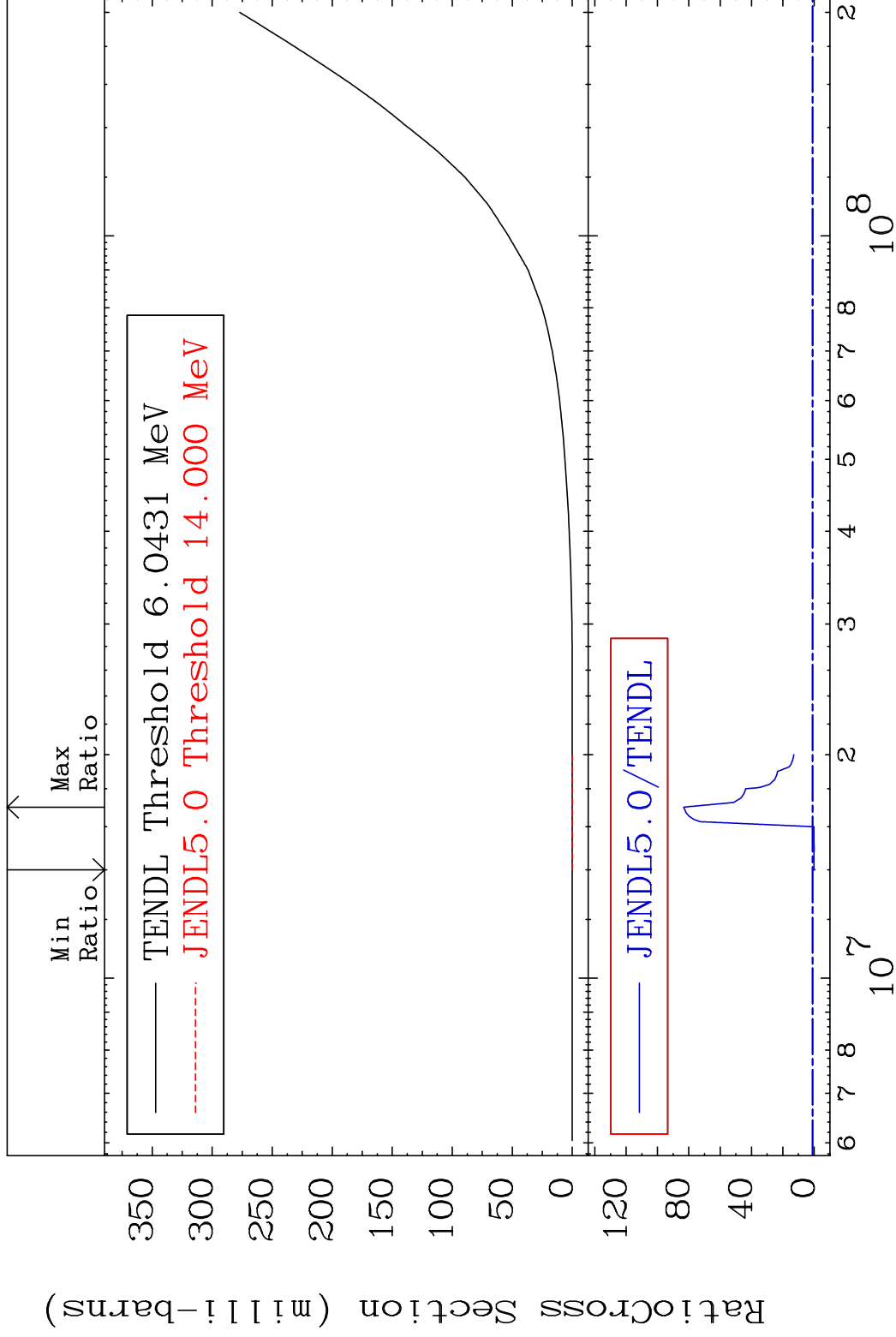


MAT 7037

He-3 Production

70-Yb-172

Cross Section -100.0 To 8230. %



49

Incident Energy (eV)

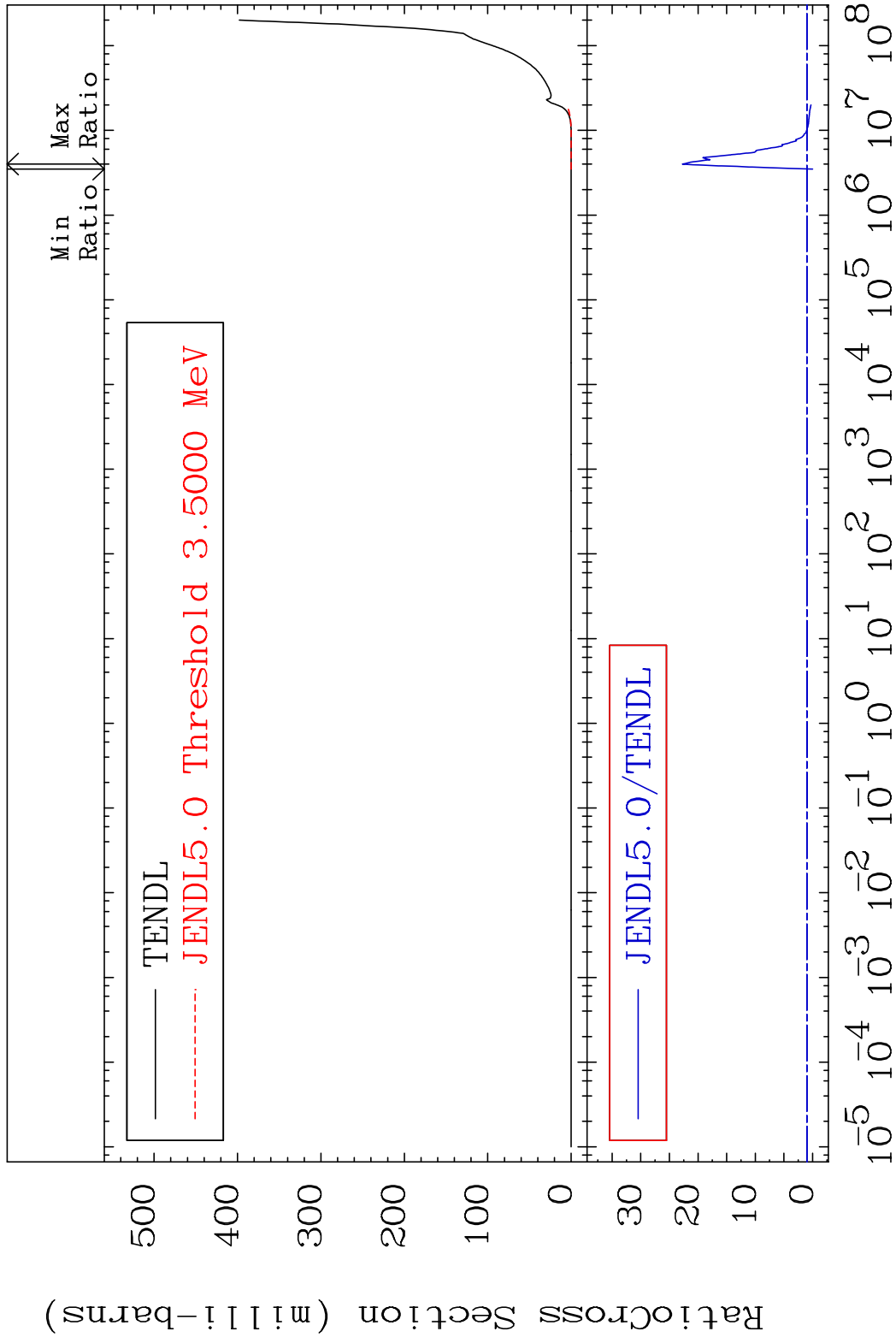
70-Yb-172

MAT 7037

He-4 Production

70-Yb-172

Cross Section -100.0 To 2173. %

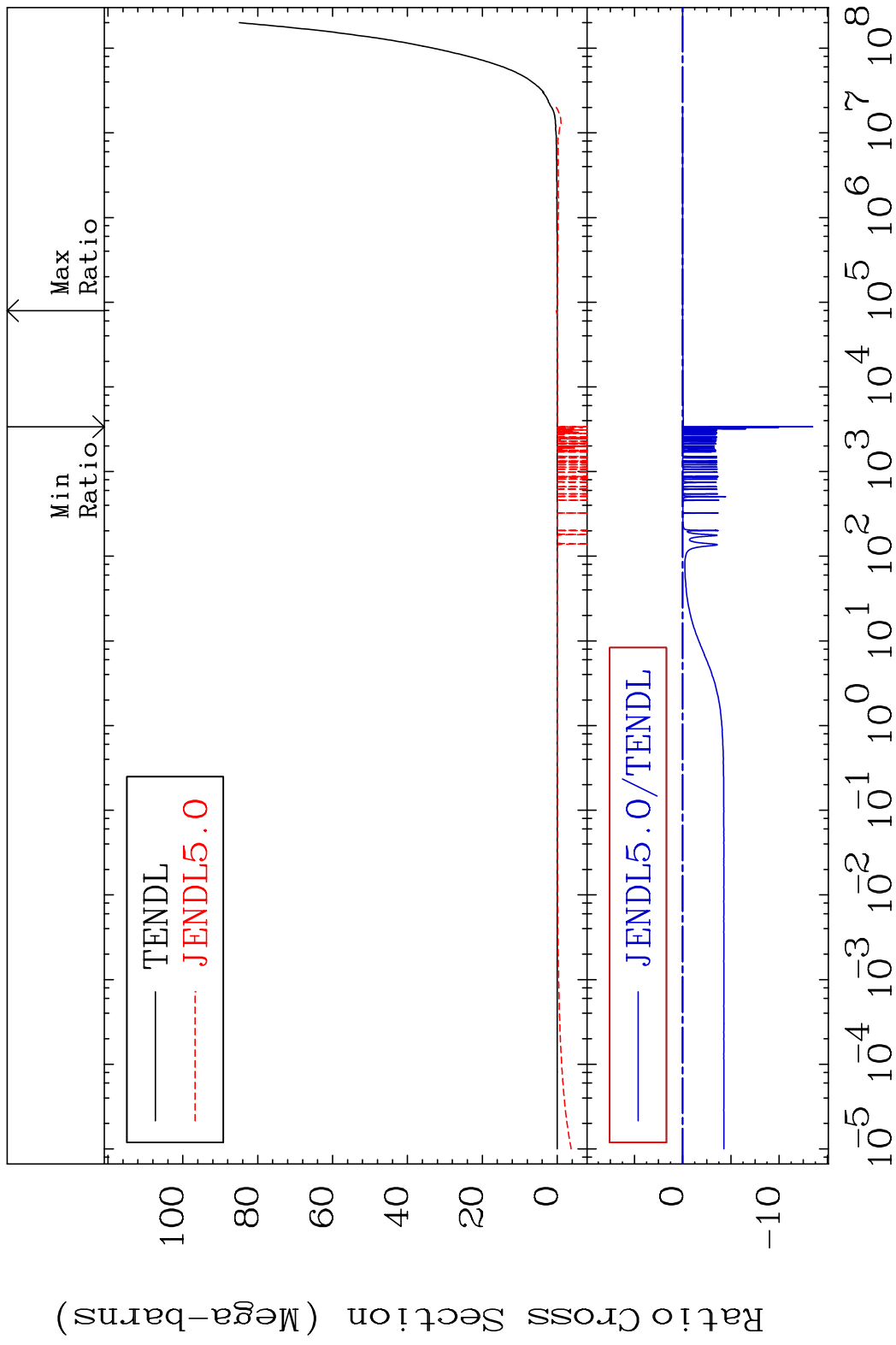


50

Incident Energy (eV)

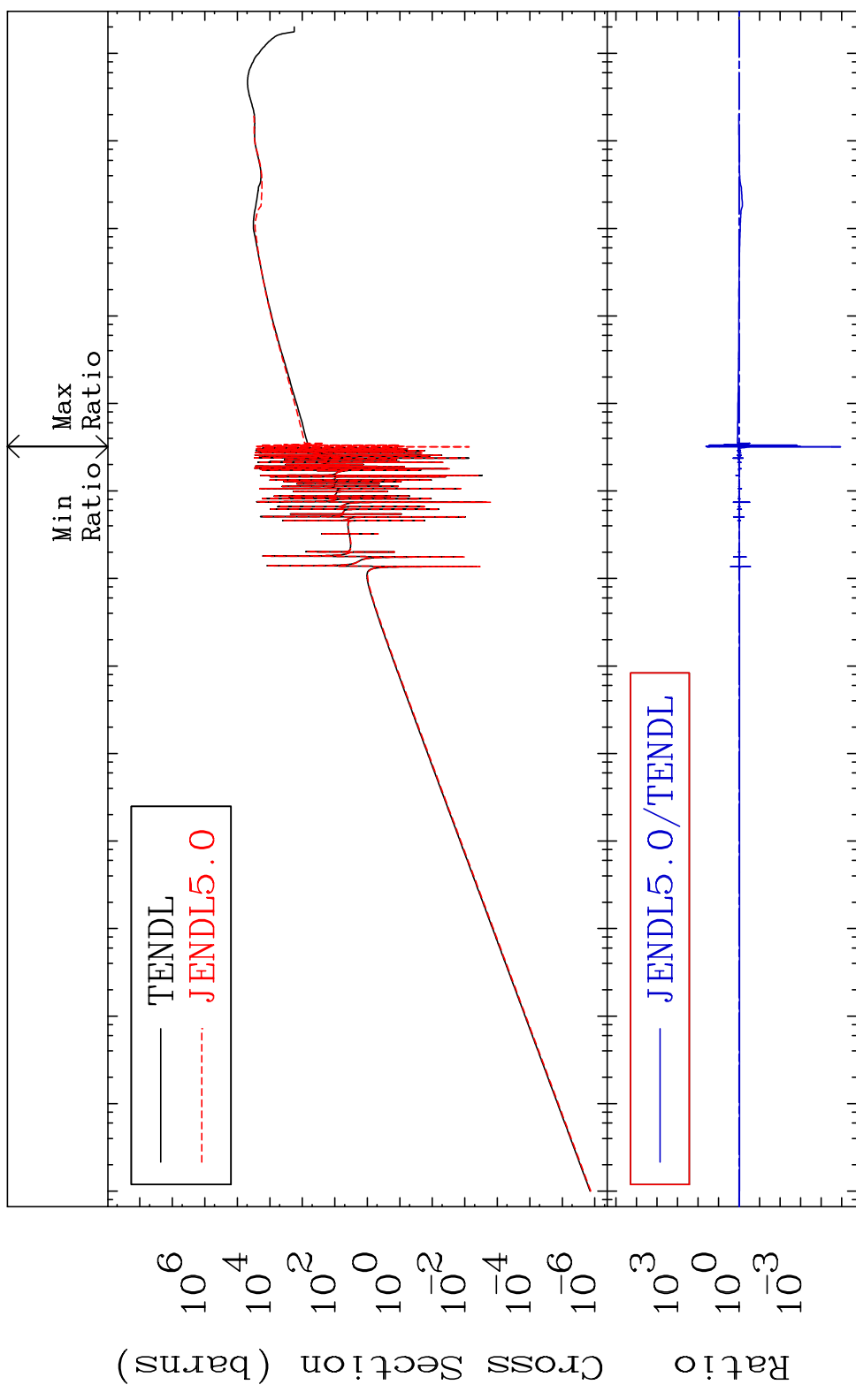
70-Yb-172

MAT 7037 Kerma total (eV-barns) 70-Yb-172
 Cross Section -9999. To 3109. %

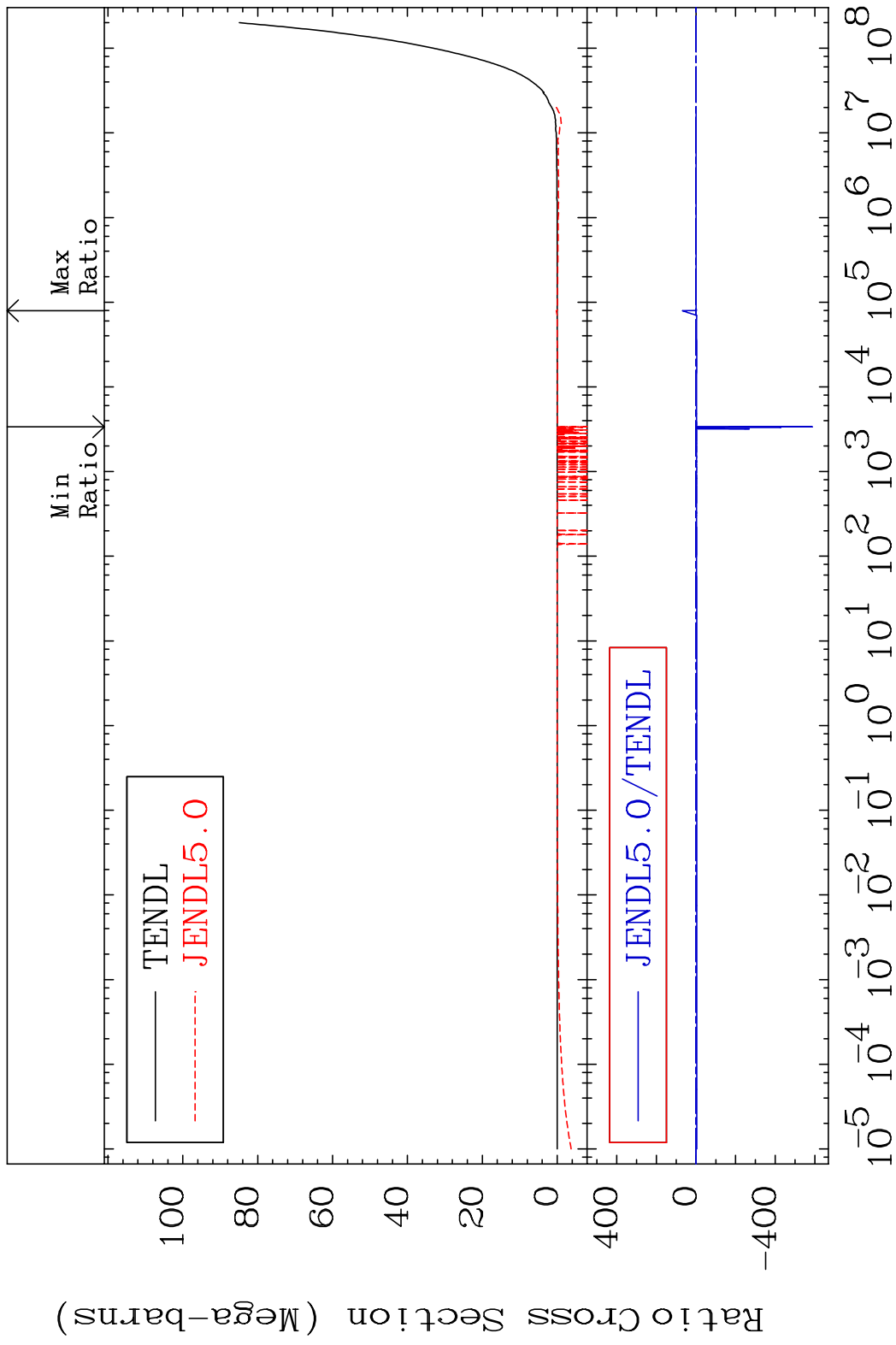


MAT 7037

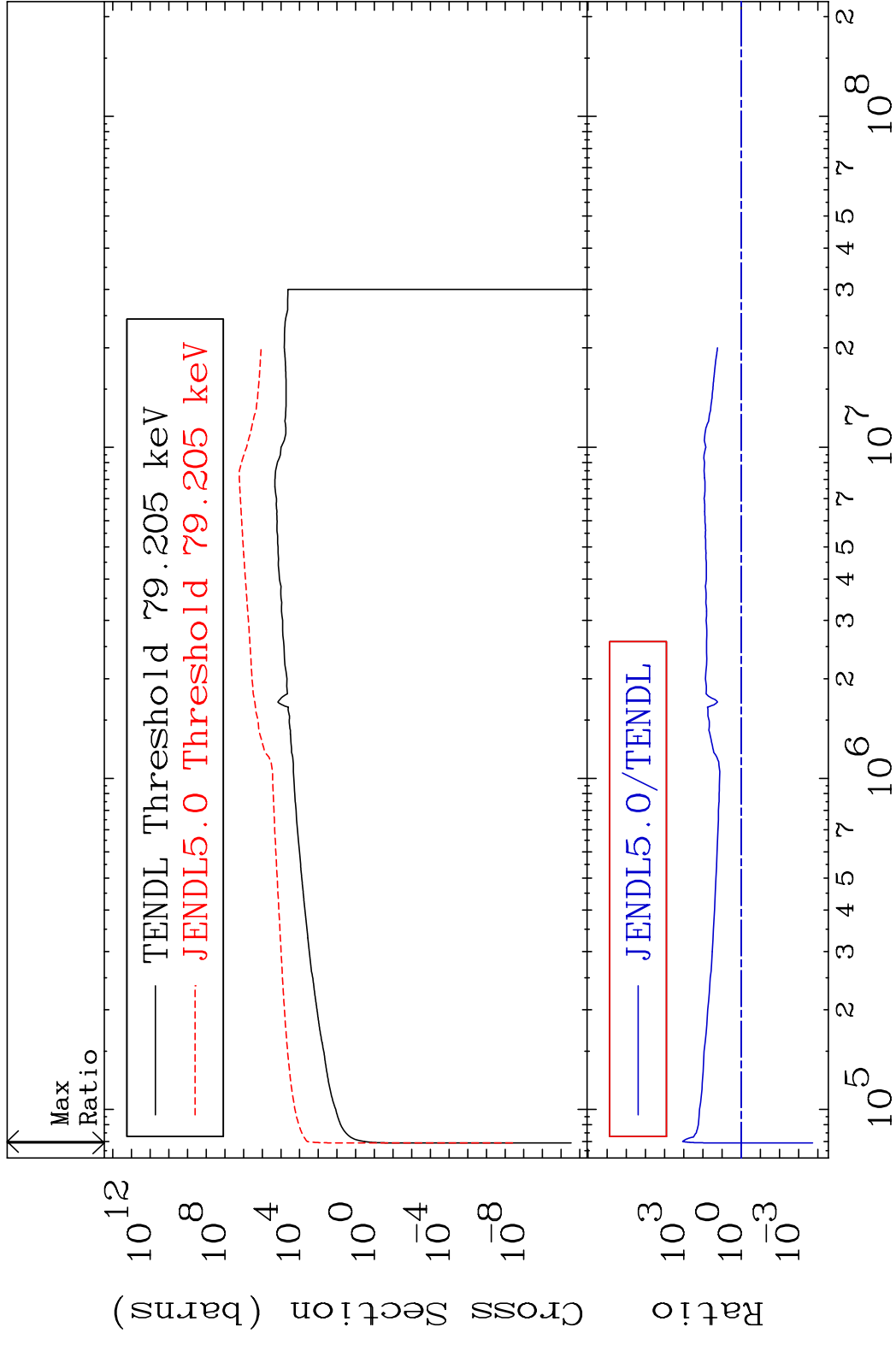
Kerma elastic
Cross Section -100.0 To 4146. %
70-Yb-172



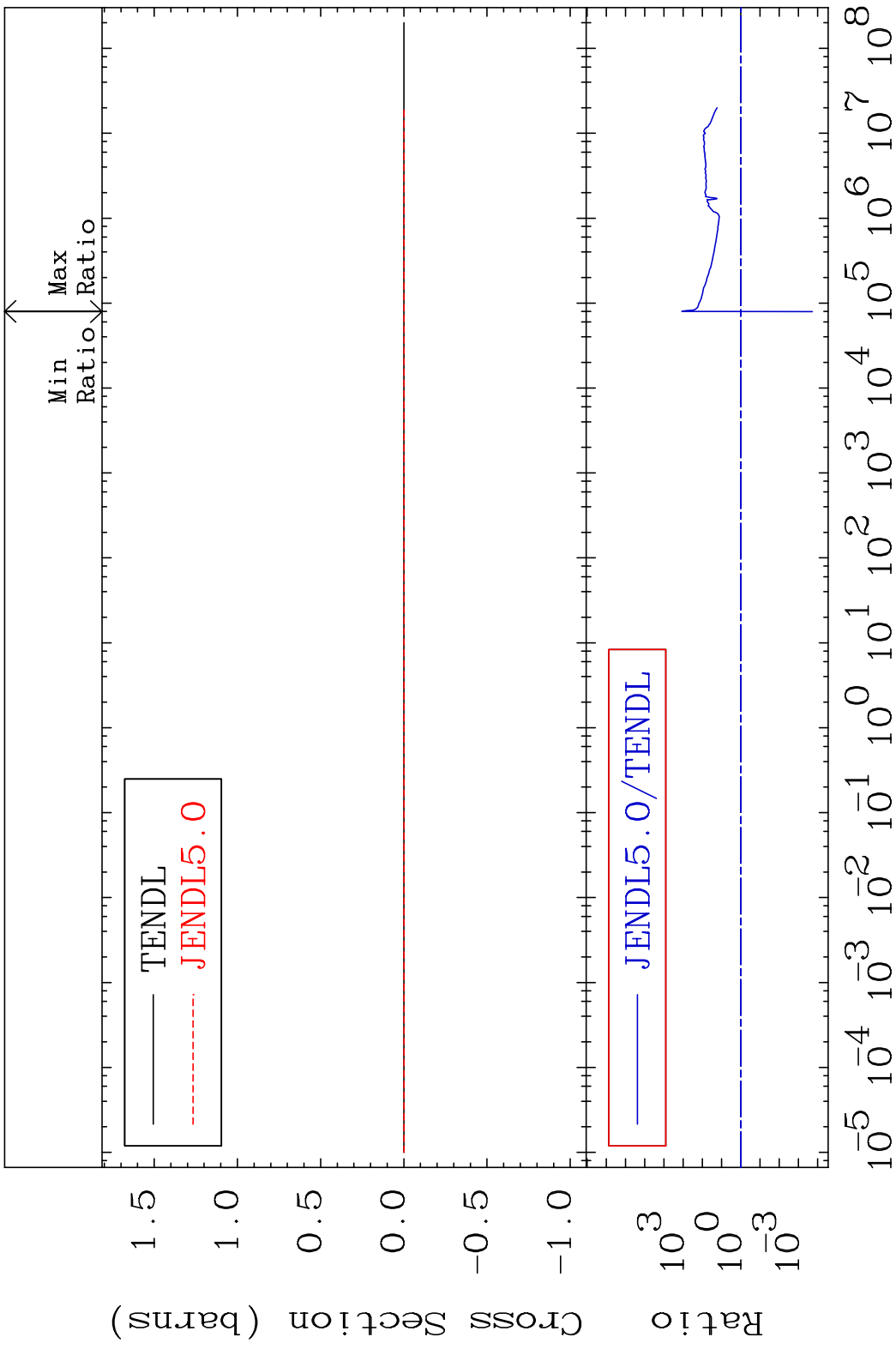
MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172
 Cross Section -9999. To 9999. %

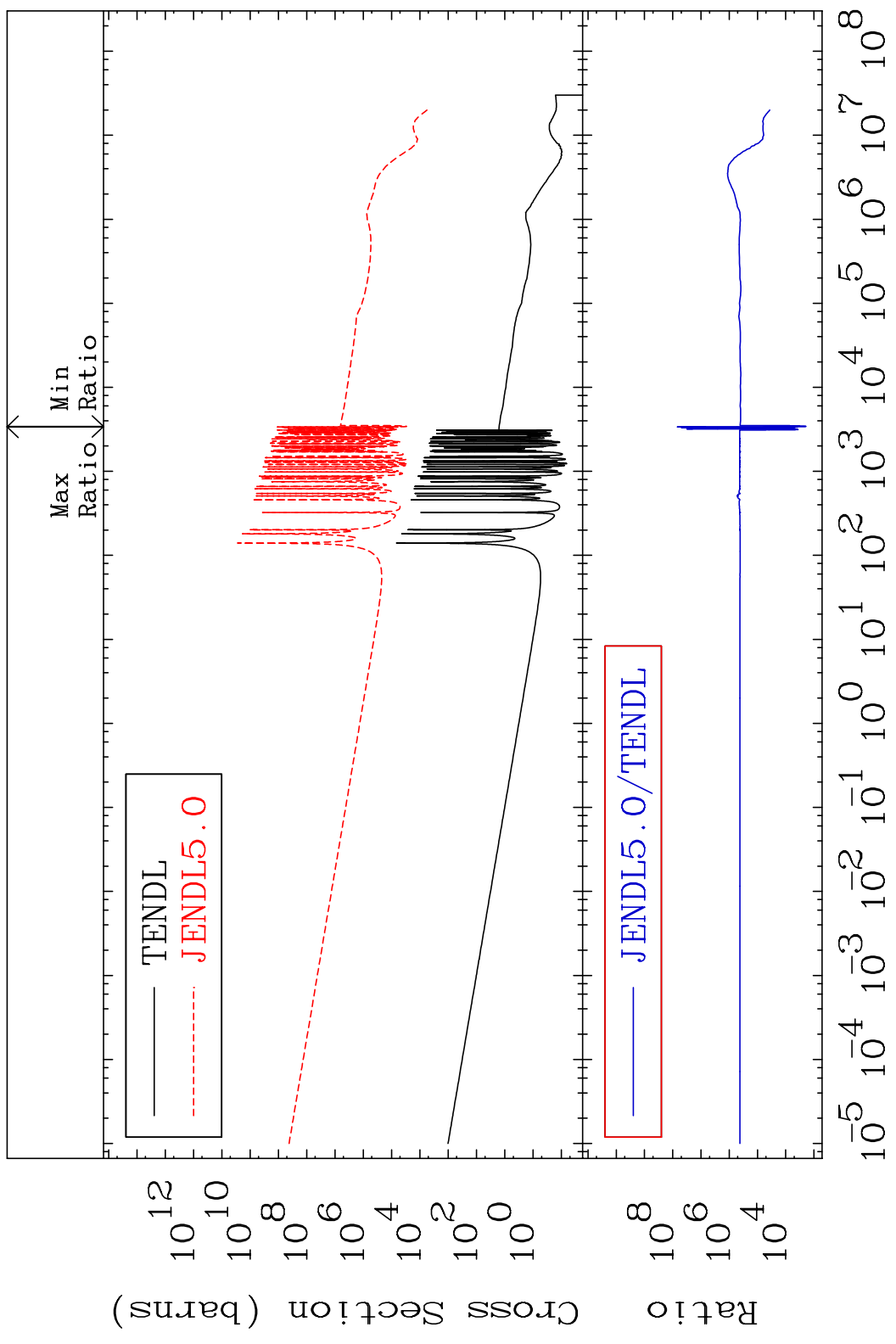


MAT 7037 Kerma inelastic (mt51-91) 70-Yb-172
 Cross Section -99.98 To 9999. %



MAT 7037 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-172
 Cross Section -99.98 To 9999. %



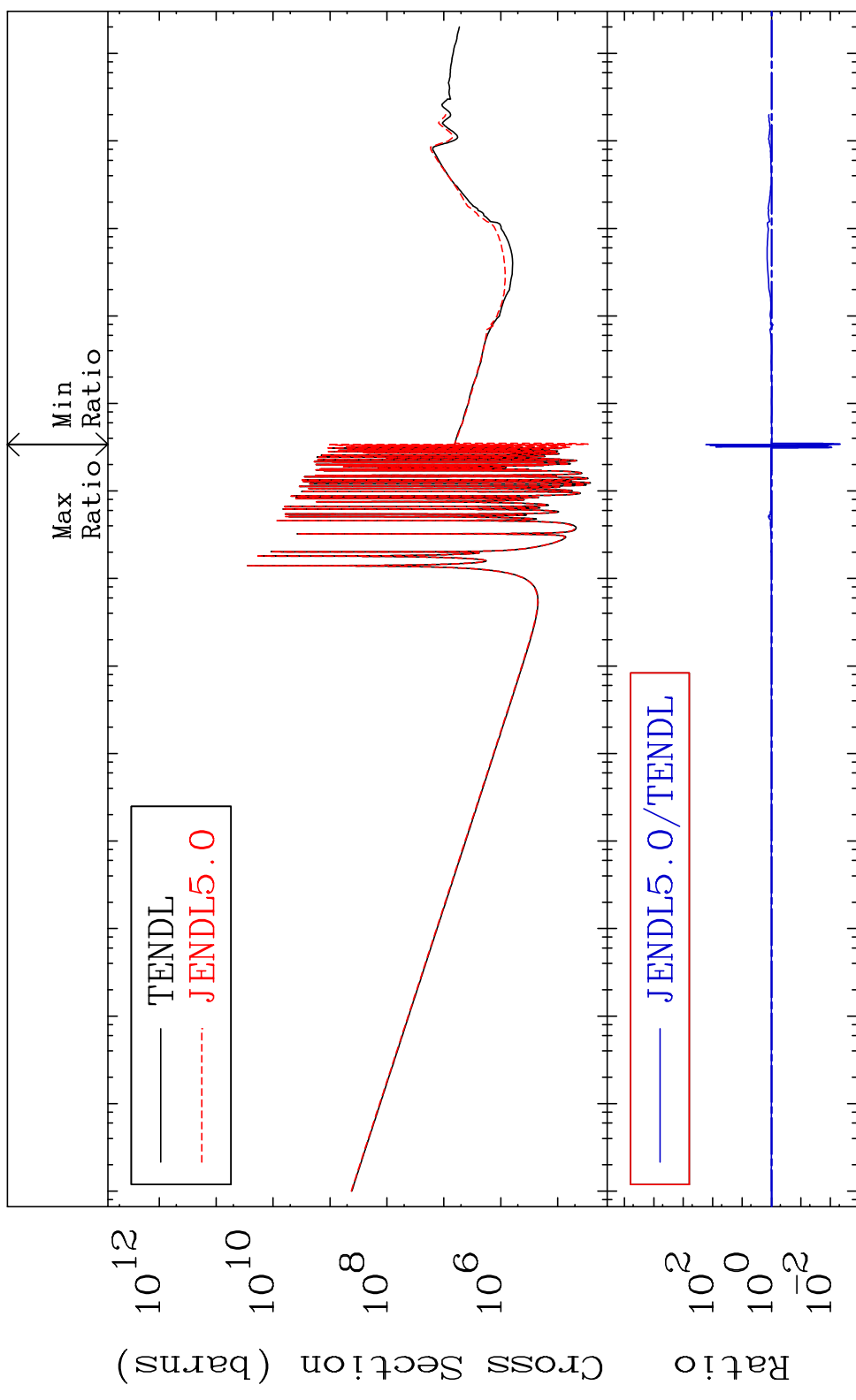


MAT 7037

Total photon (eV-barns)

70-Yb-172

Cross Section -99.54 To 9999. %

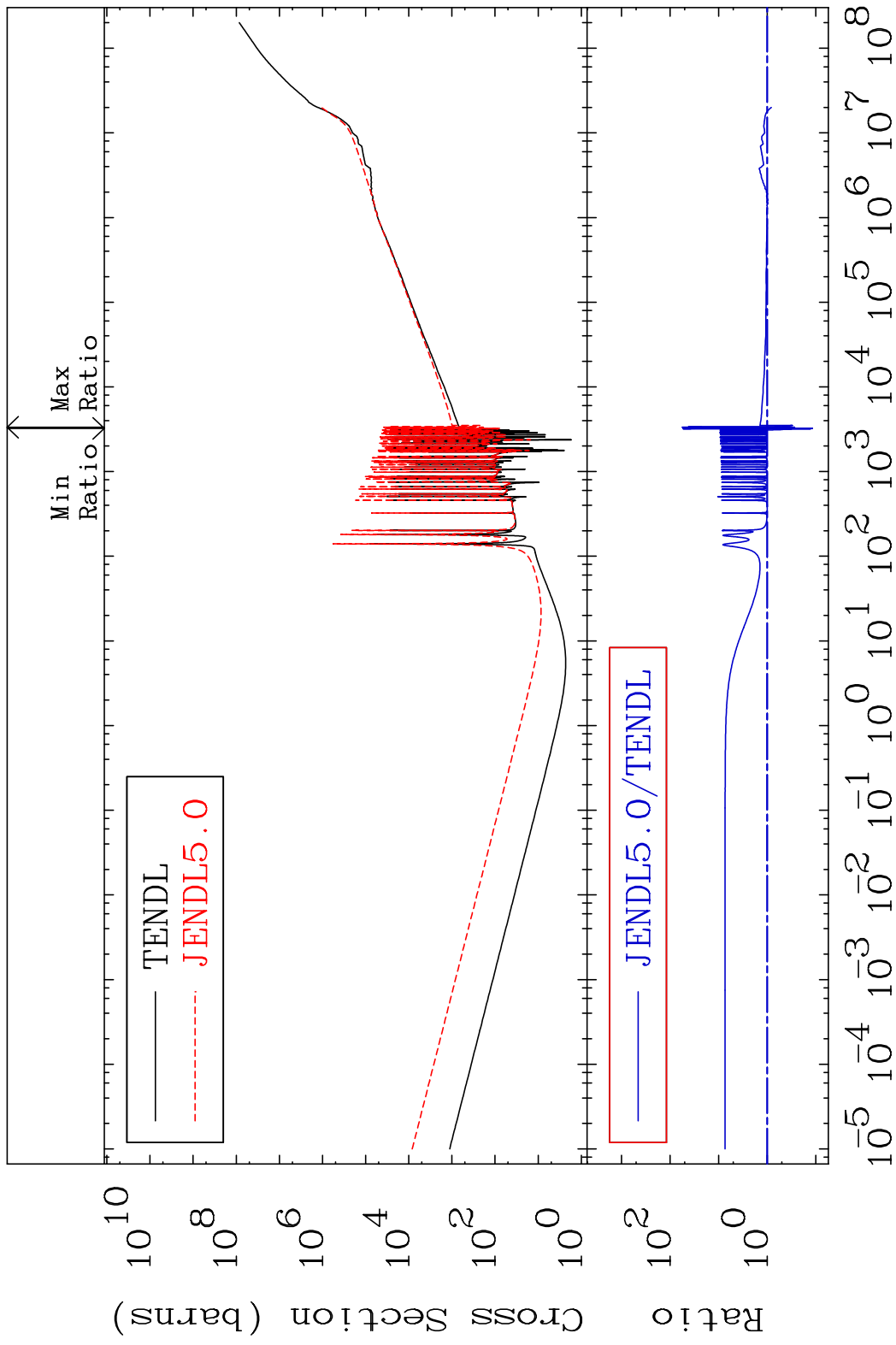


57

Incident Energy (eV)

70-Yb-172

MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
 Cross Section -88.35 To 5493. %

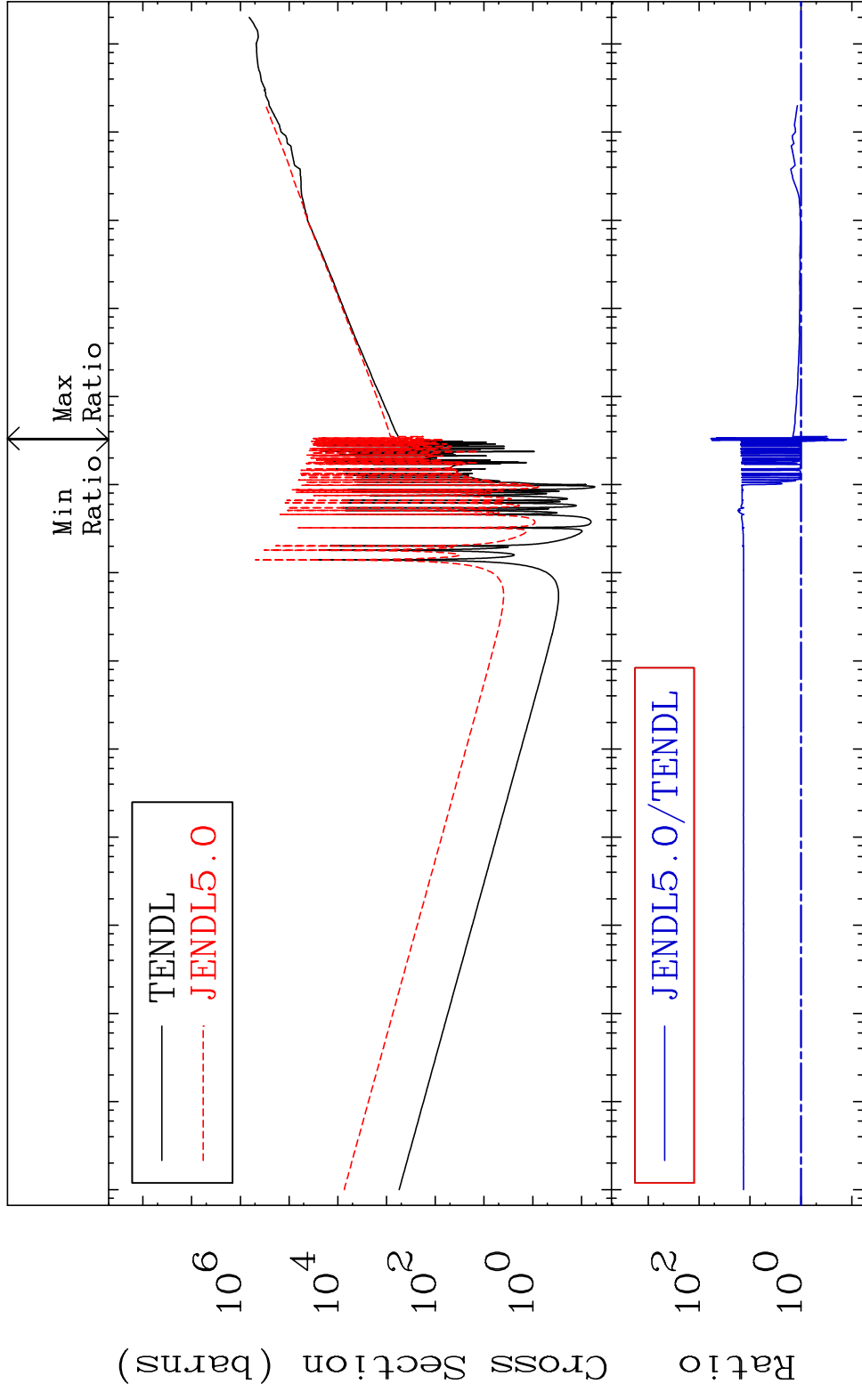


MAT 7037

Dpa total (eV-barns)

70-Yb-172

Cross Section -87.19 To 5814. %



59

Incident Energy (eV)

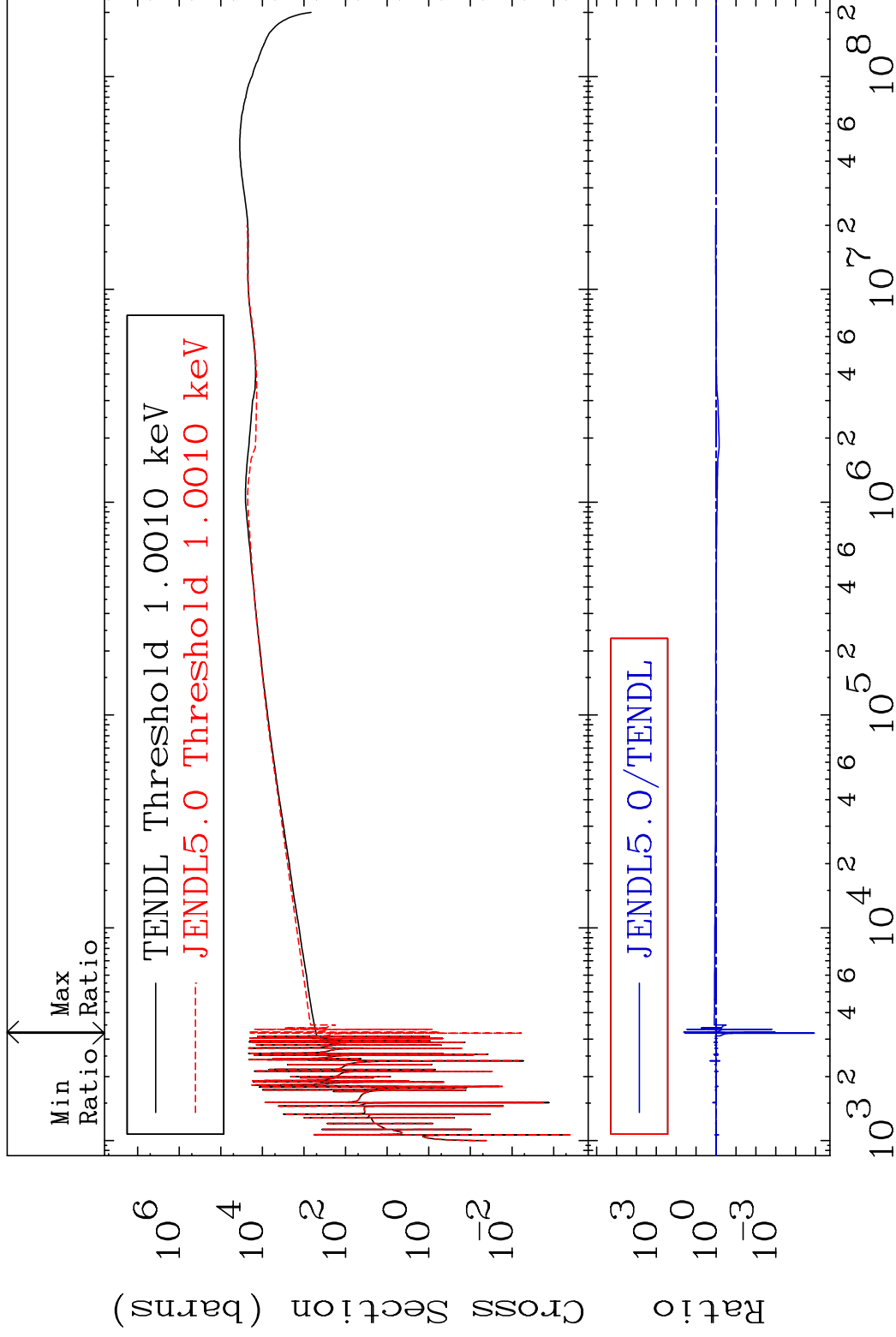
70-Yb-172

MAT 7037

Dpa elastic (mt2)

70-Yb-172

Cross Section -100.0 To 4148. %

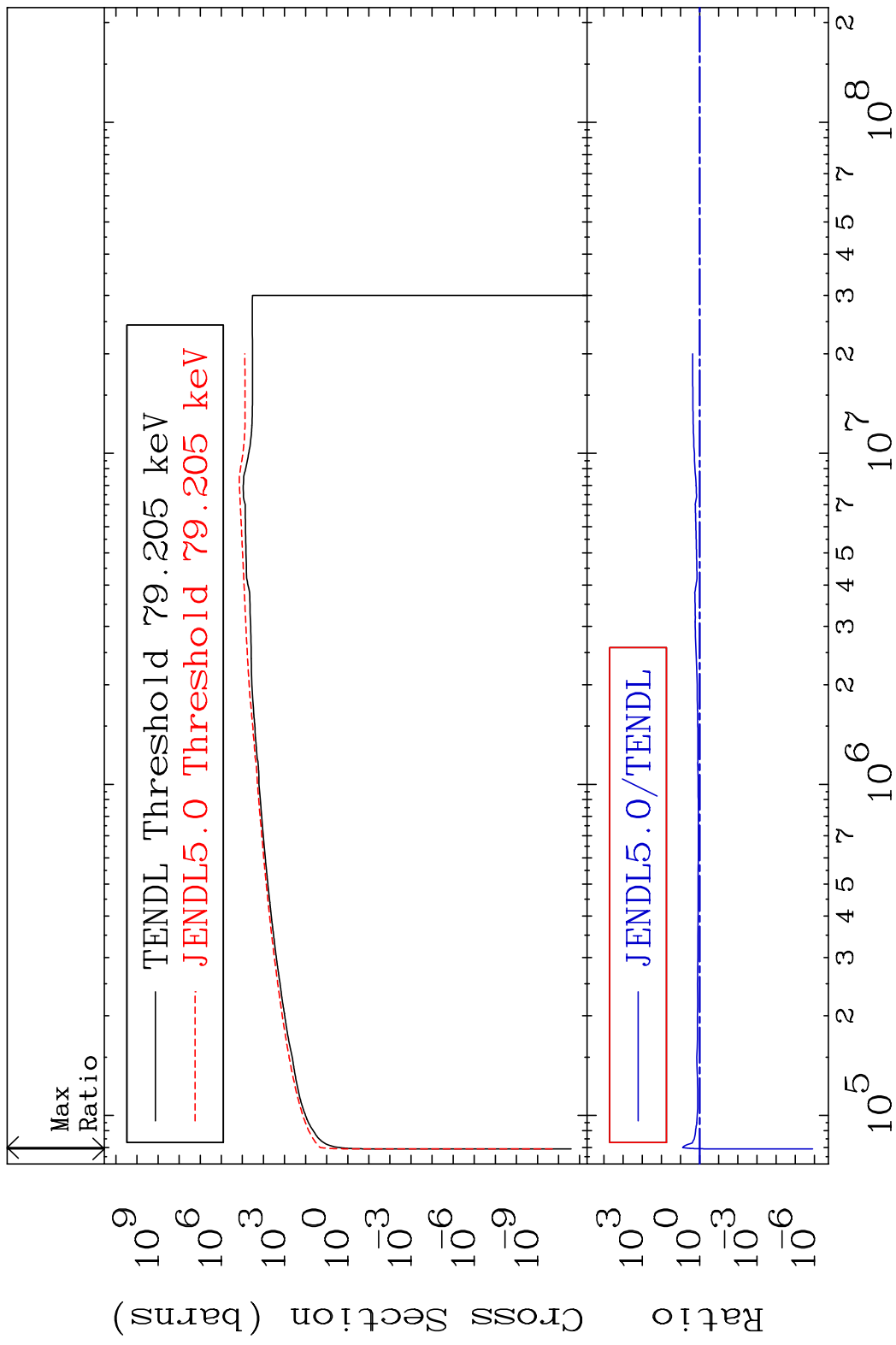


60

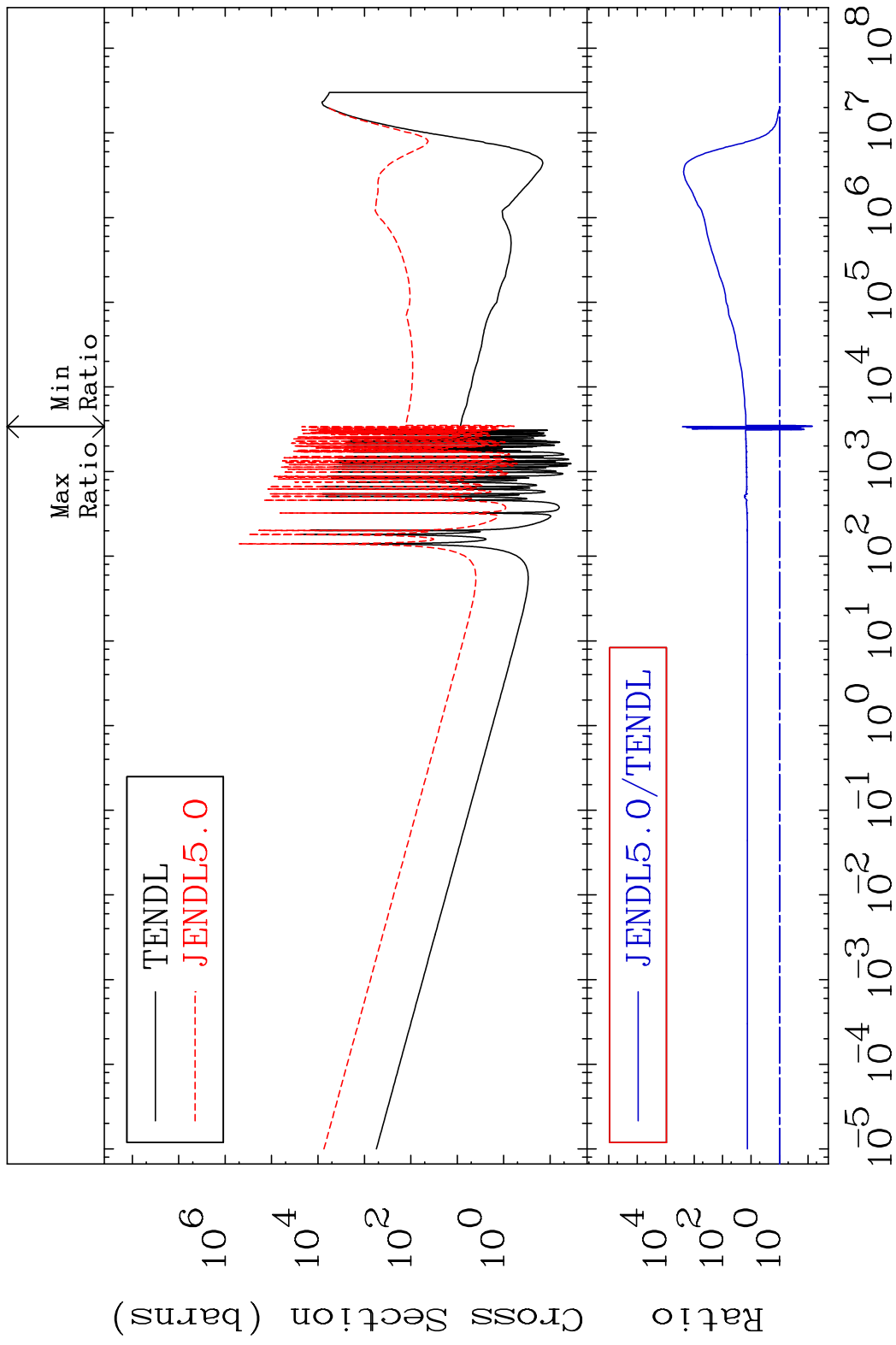
Incident Energy (eV)

70-Yb-172

MAT 7037 Dpa inelastic (mt51-91) 70-Yb-172
 Cross Section -100.0 To 700.7 %



MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
 Cross Section -93.09 To 9999. %

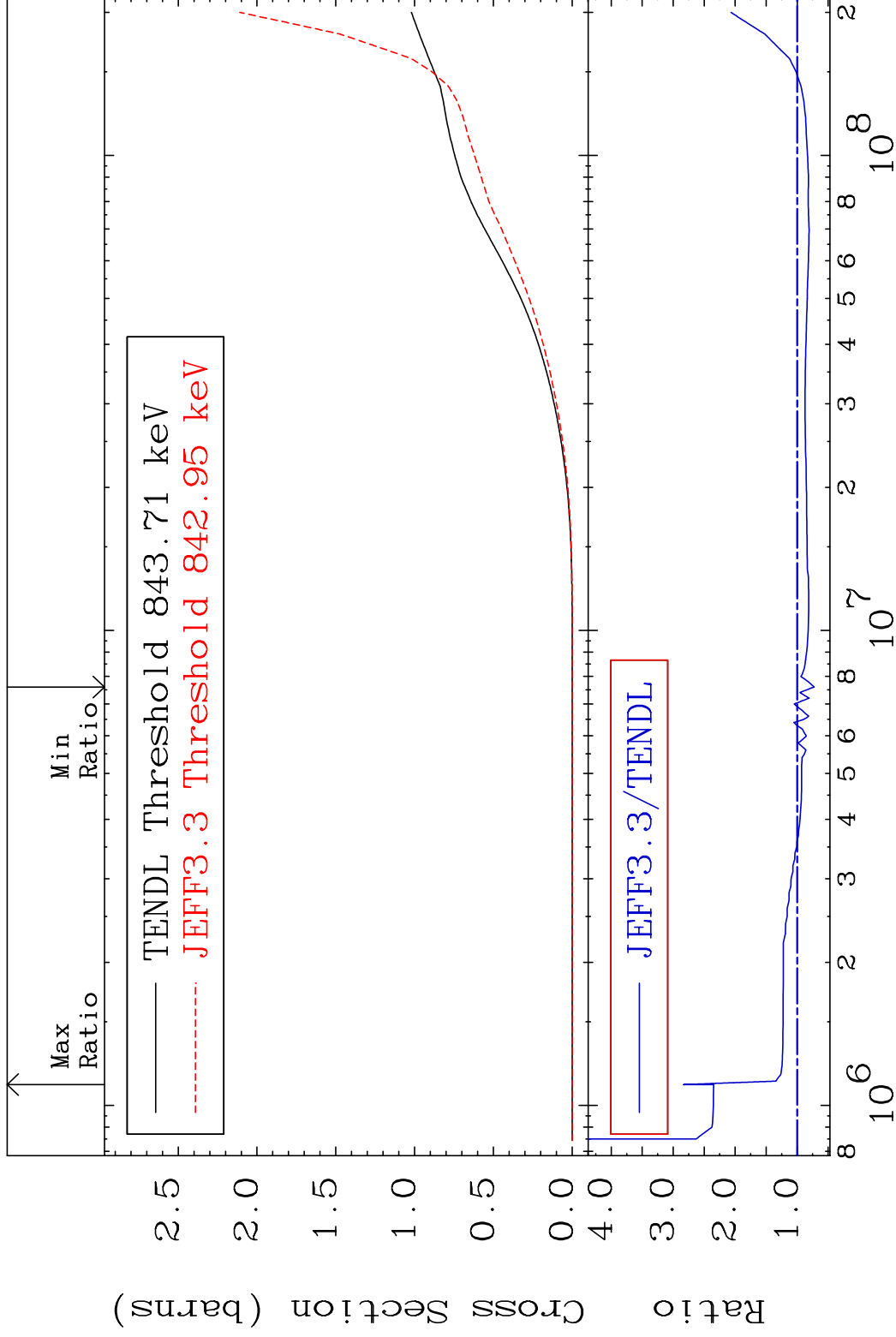


MAT 7037

Hydrogen Production

70-Yb-172

Cross Section -27.38 To 183.1 %



63

Incident Energy (eV)

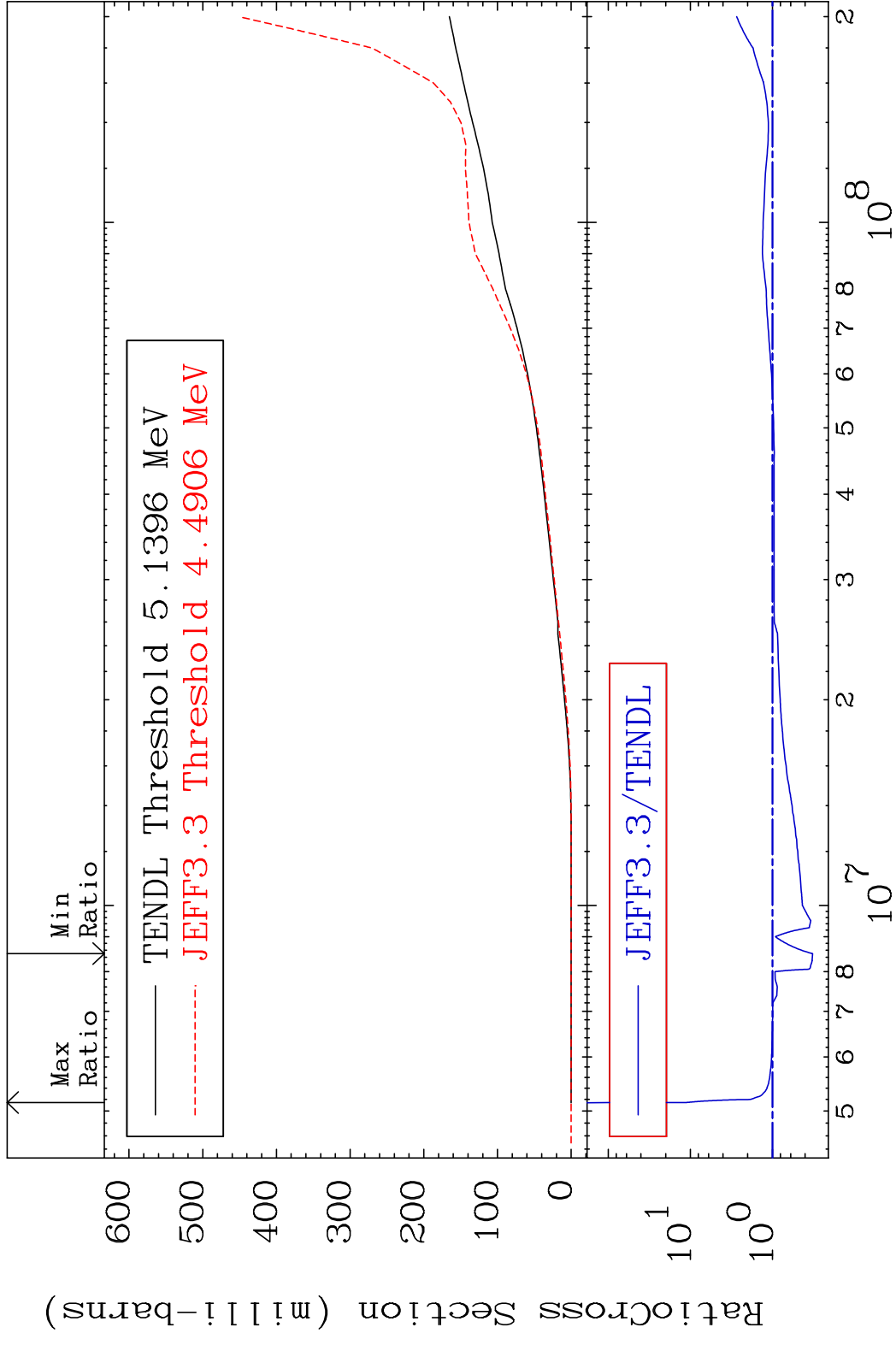
70-Yb-172

MAT 7037

Deuterium Production

70-Yb-172

Cross Section -67.58 To 1152. %

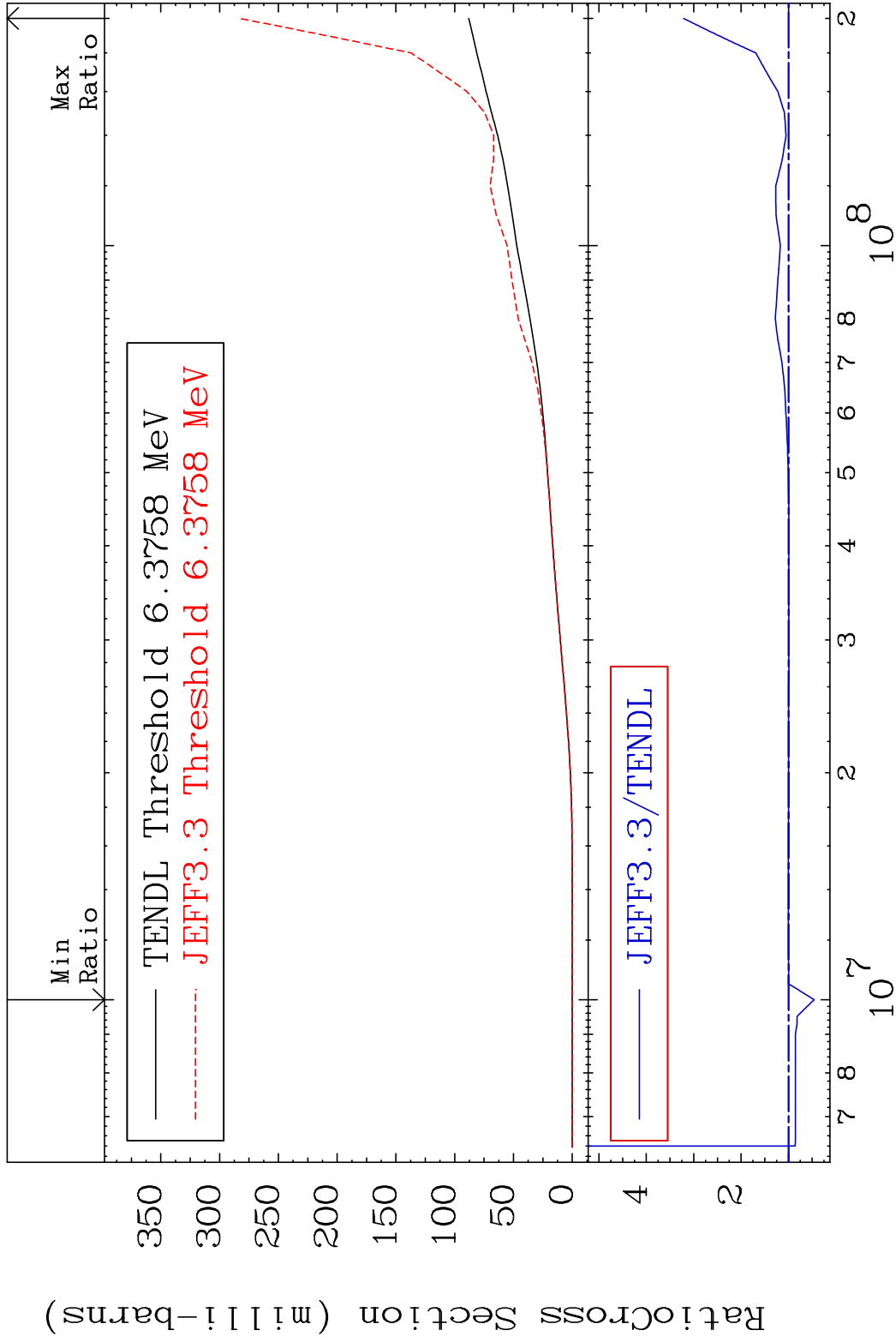


MAT 7037

Tritium Production

70-Yb-172

Cross Section -54.07 To 221.2 %



65

Incident Energy (eV)

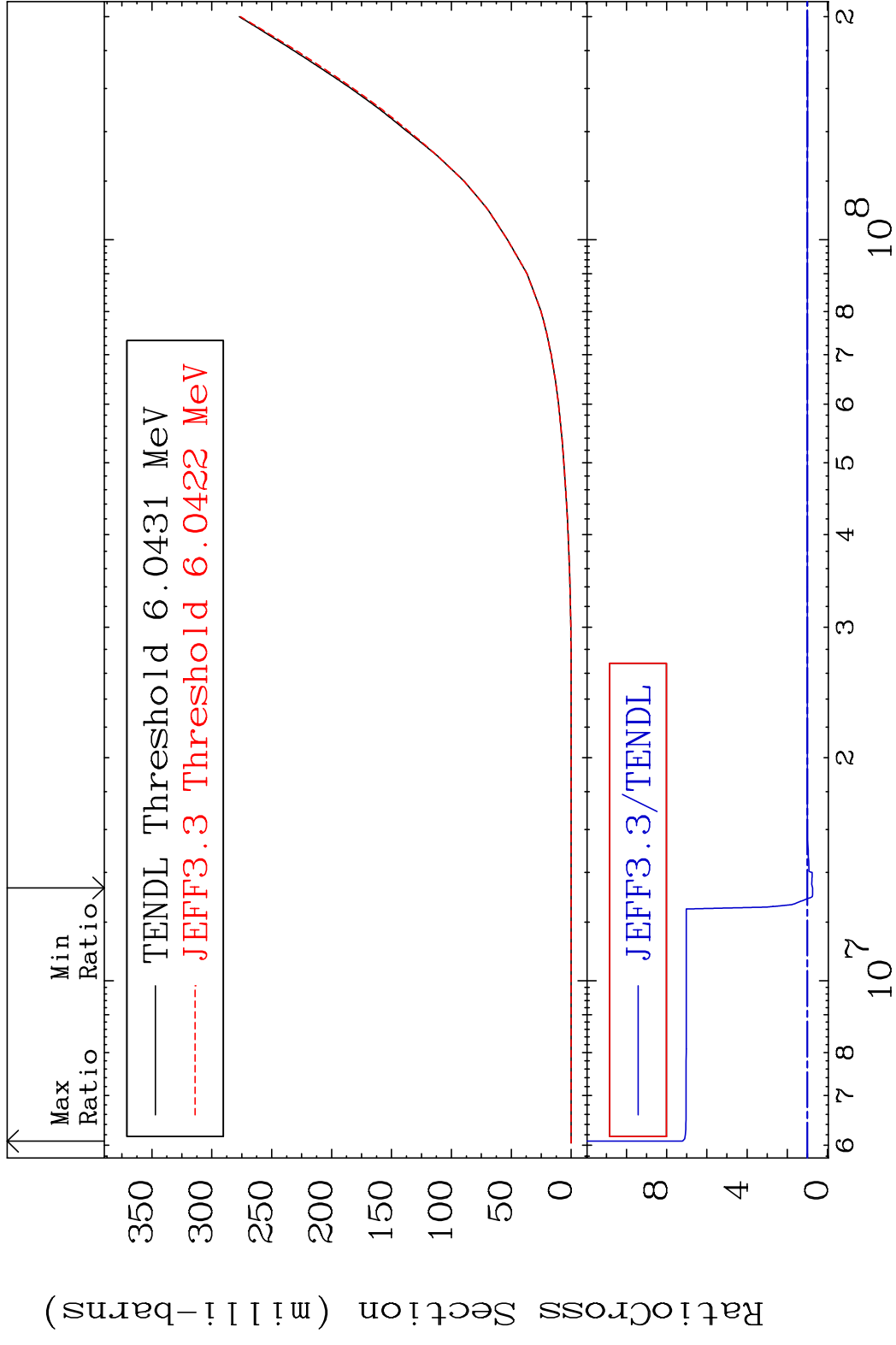
70-Yb-172

MAT 7037

He-3 Production

70-Yb-172

Cross Section -25.82 To 621.9 %

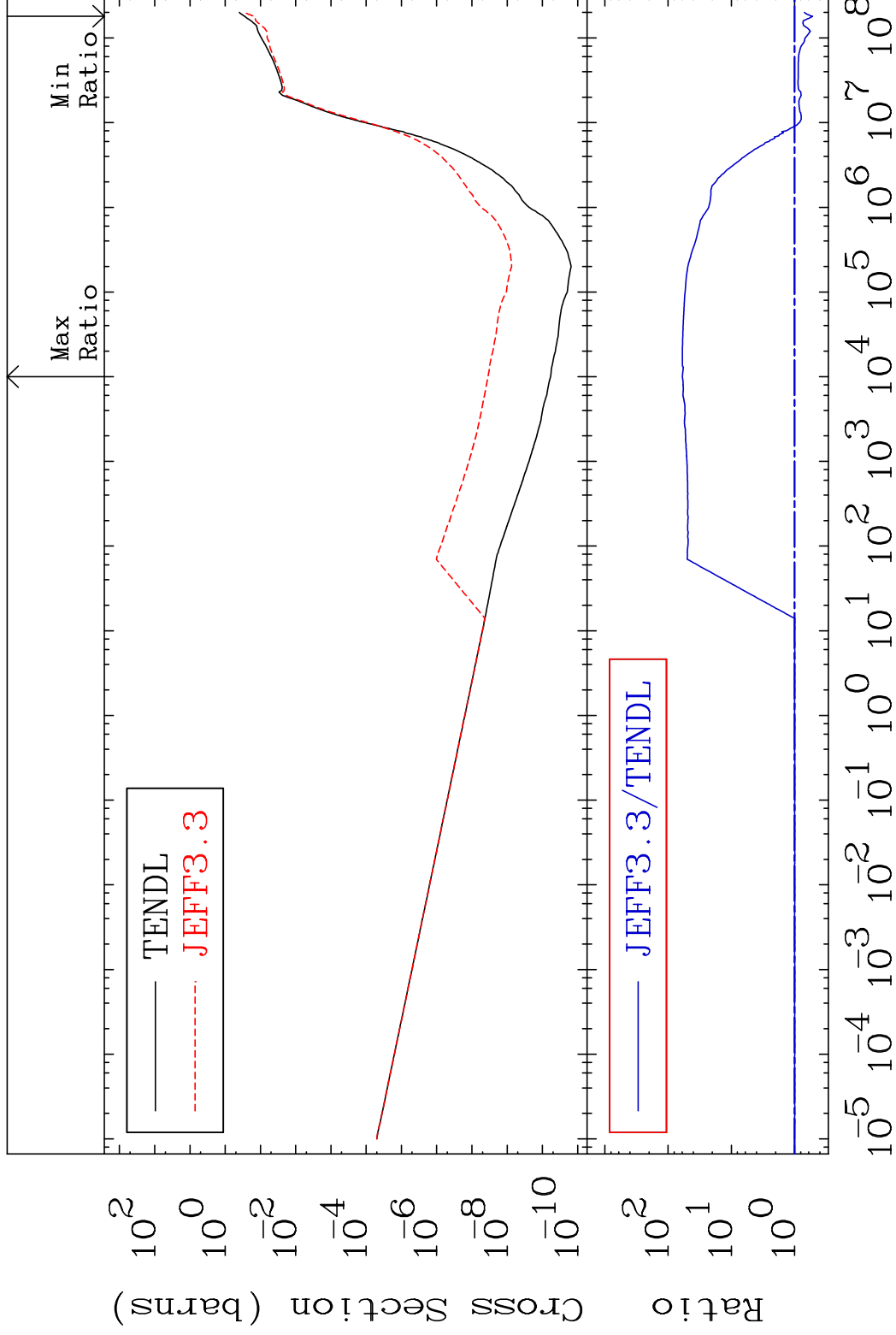


MAT 7037

He-4 Production

70-Yb-172

Cross Section -47.96 To 5842. %



67

Incident Energy (eV)

70-Yb-172

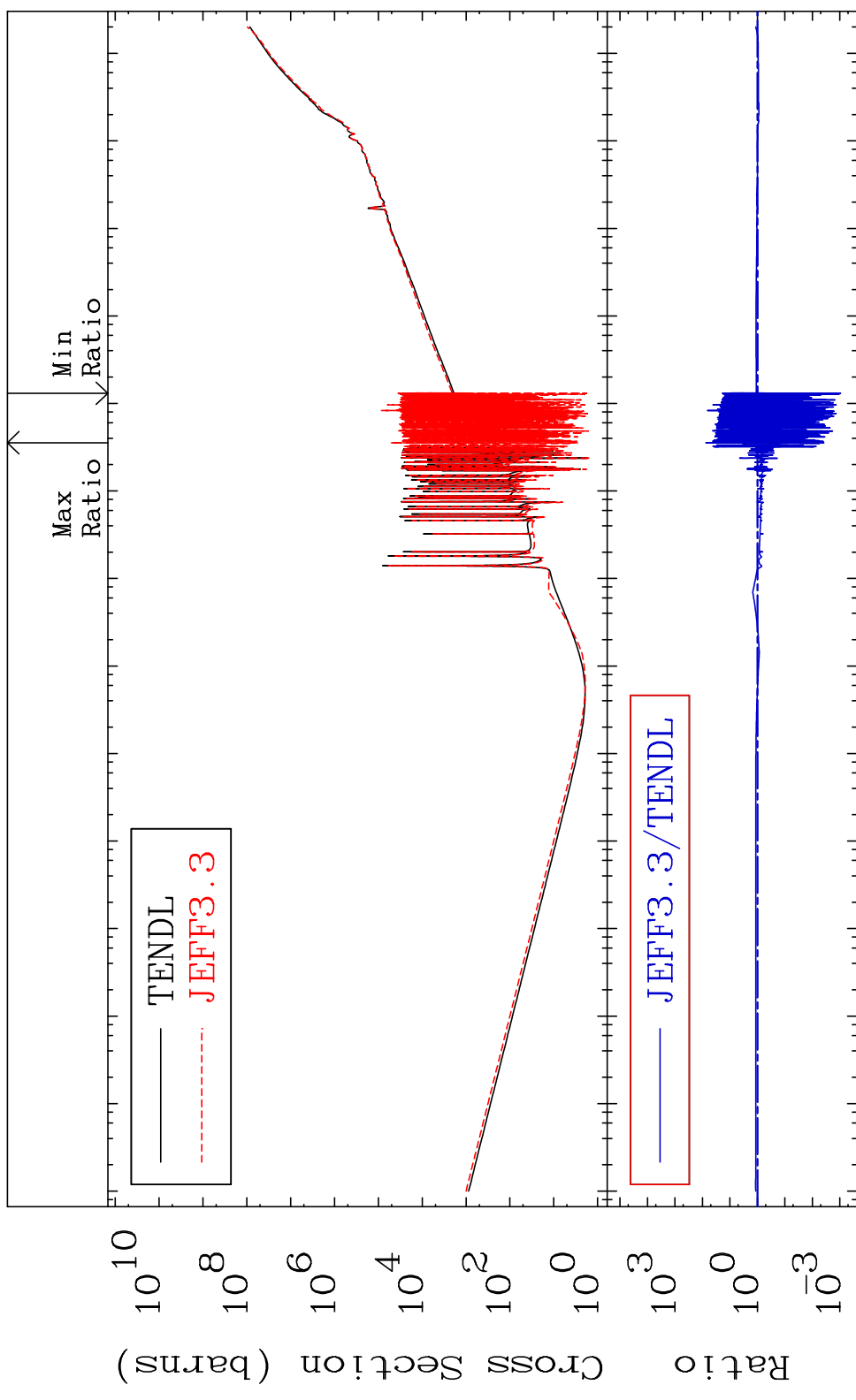
MAT 7037

Kerma total (eV-barns)

70-Yb-172

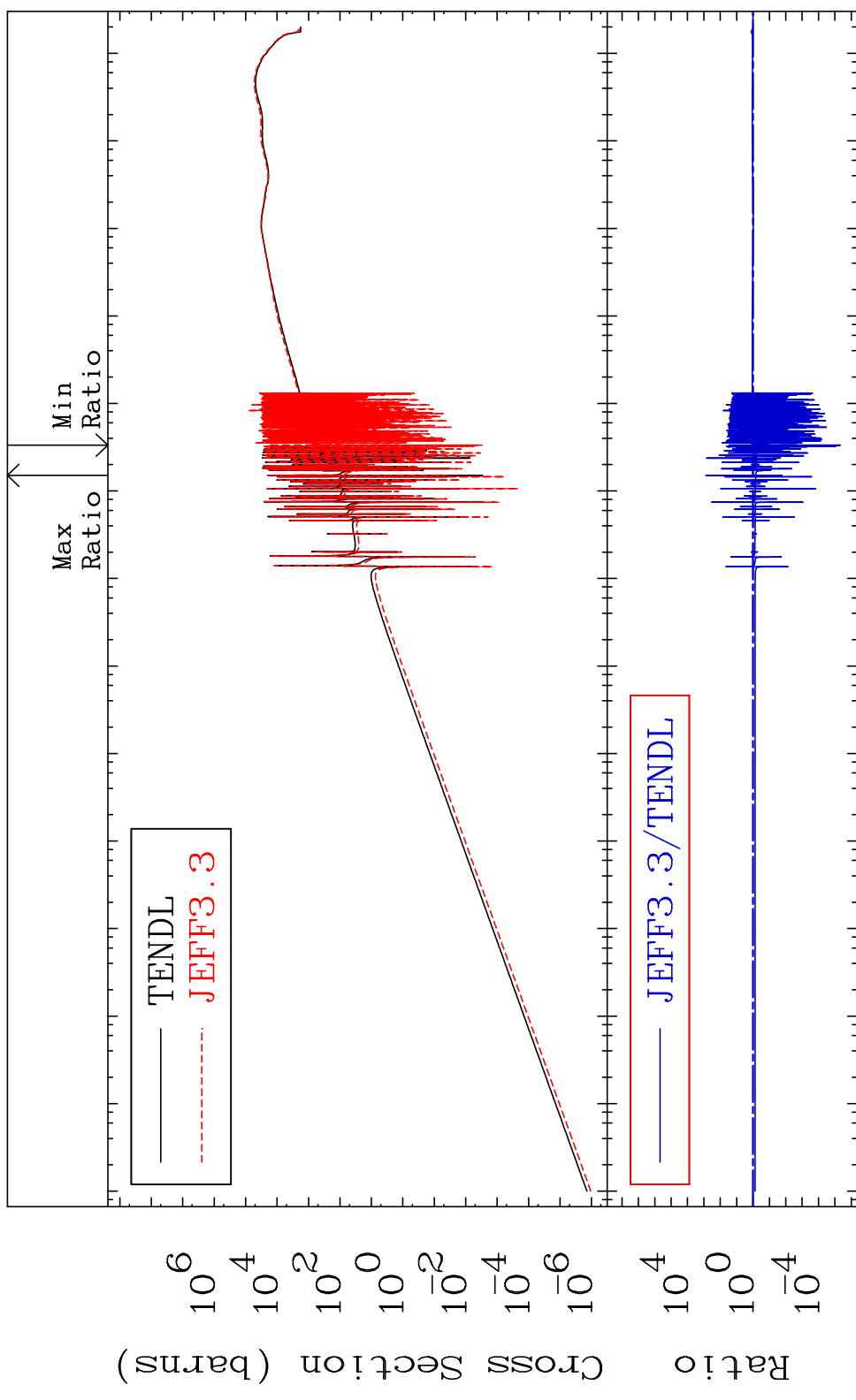
Cross Section

-99.91 To 7447. %

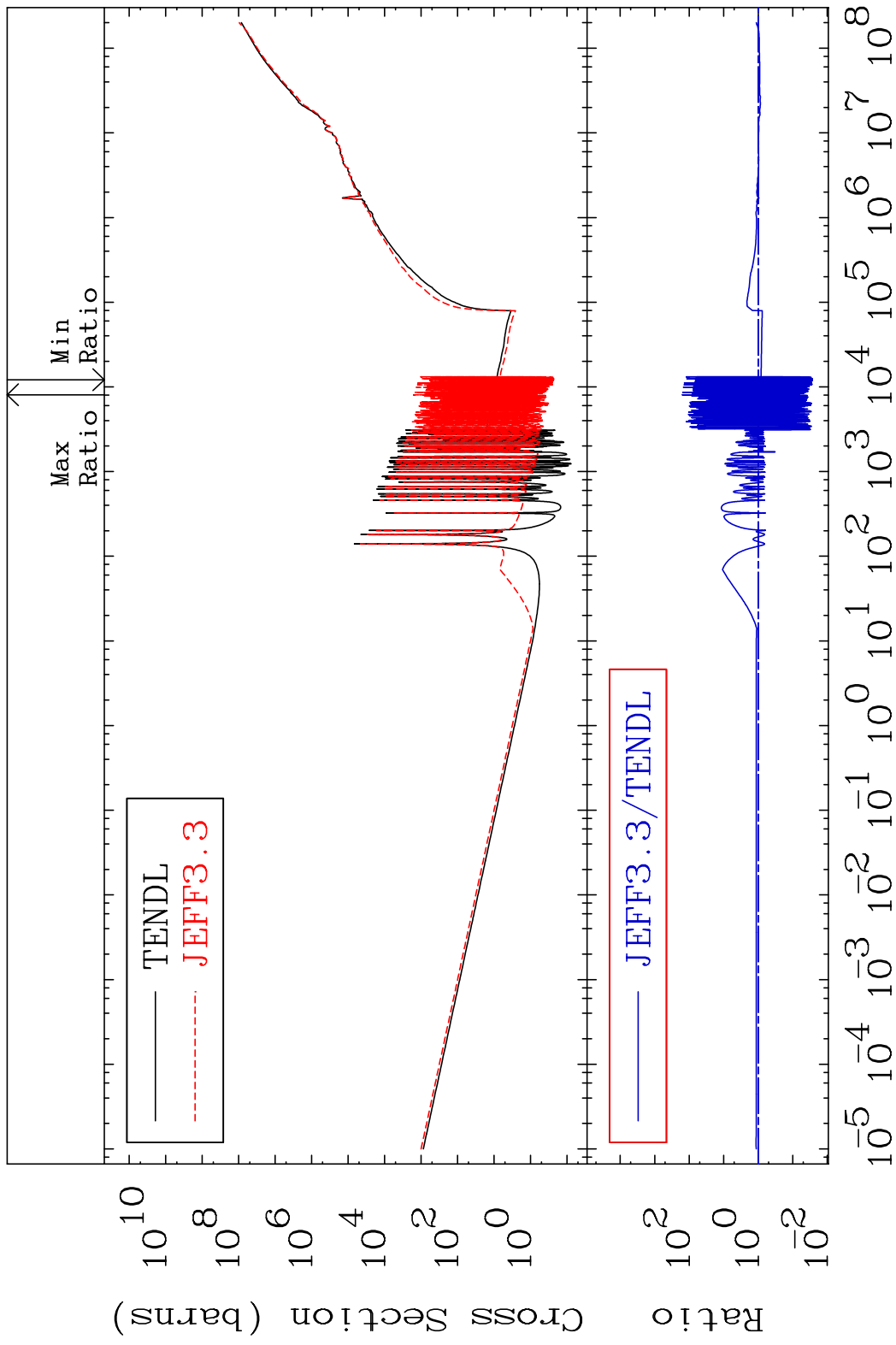


MAT 7037

Kerma elastic
Cross Section -100.0 To 9999. %
70-Yb-172

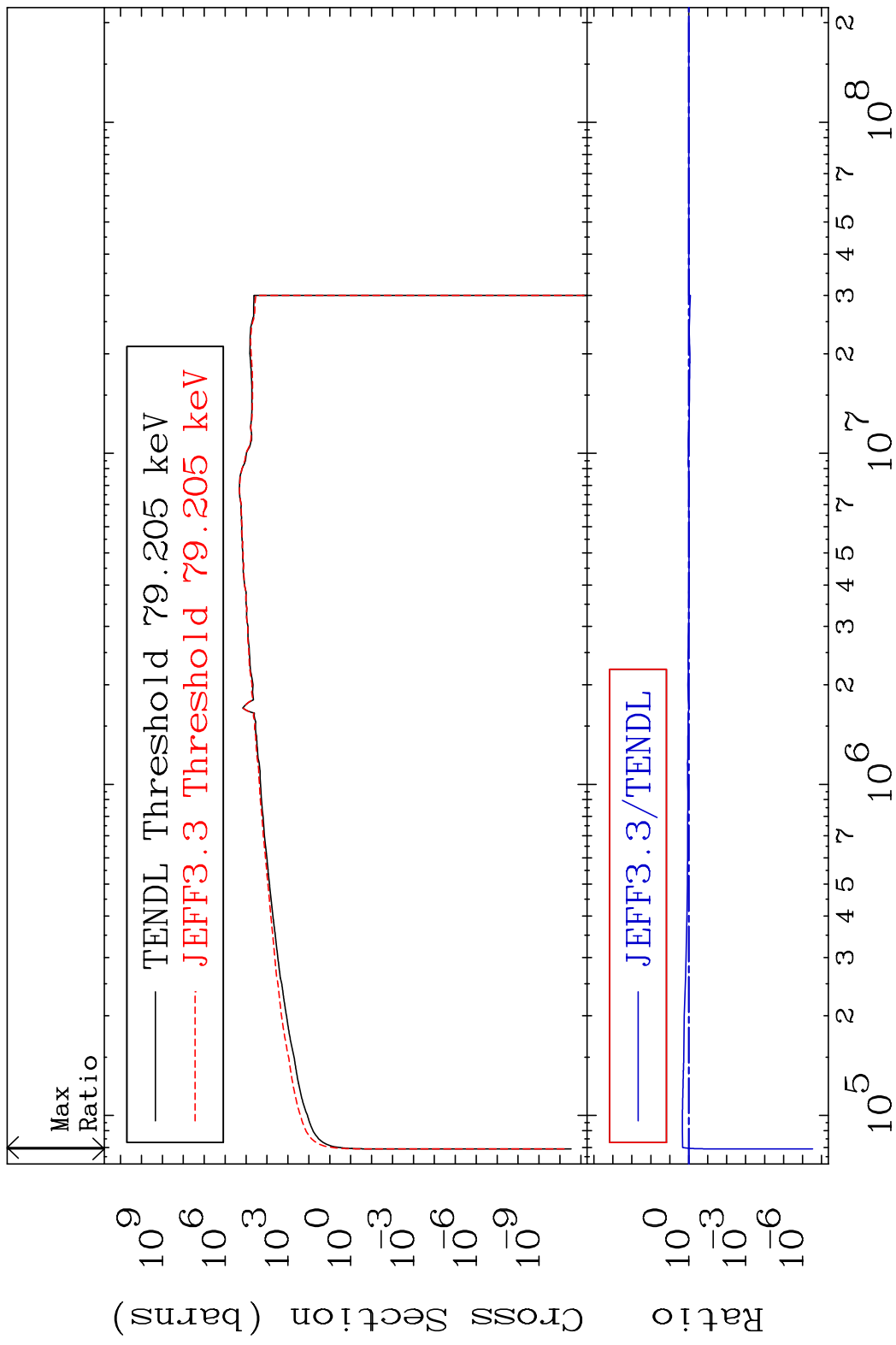


MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172
 Cross Section -97.32 To 9999. %



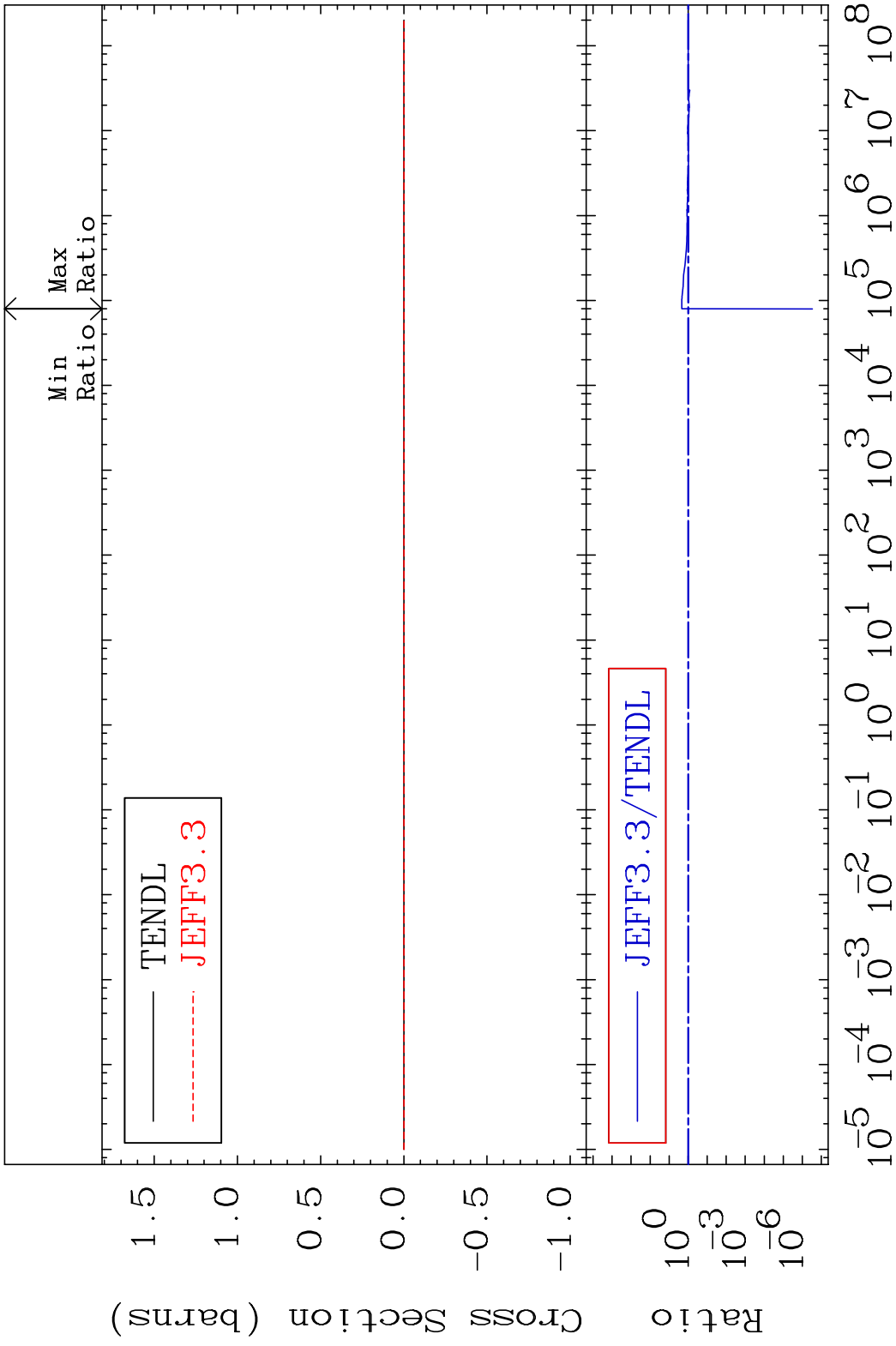
70 70-Yb-172

MAT 7037 Kerma inelastic (mt51-91) 70-Yb-172
 Cross Section -100.0 To 117.7 %



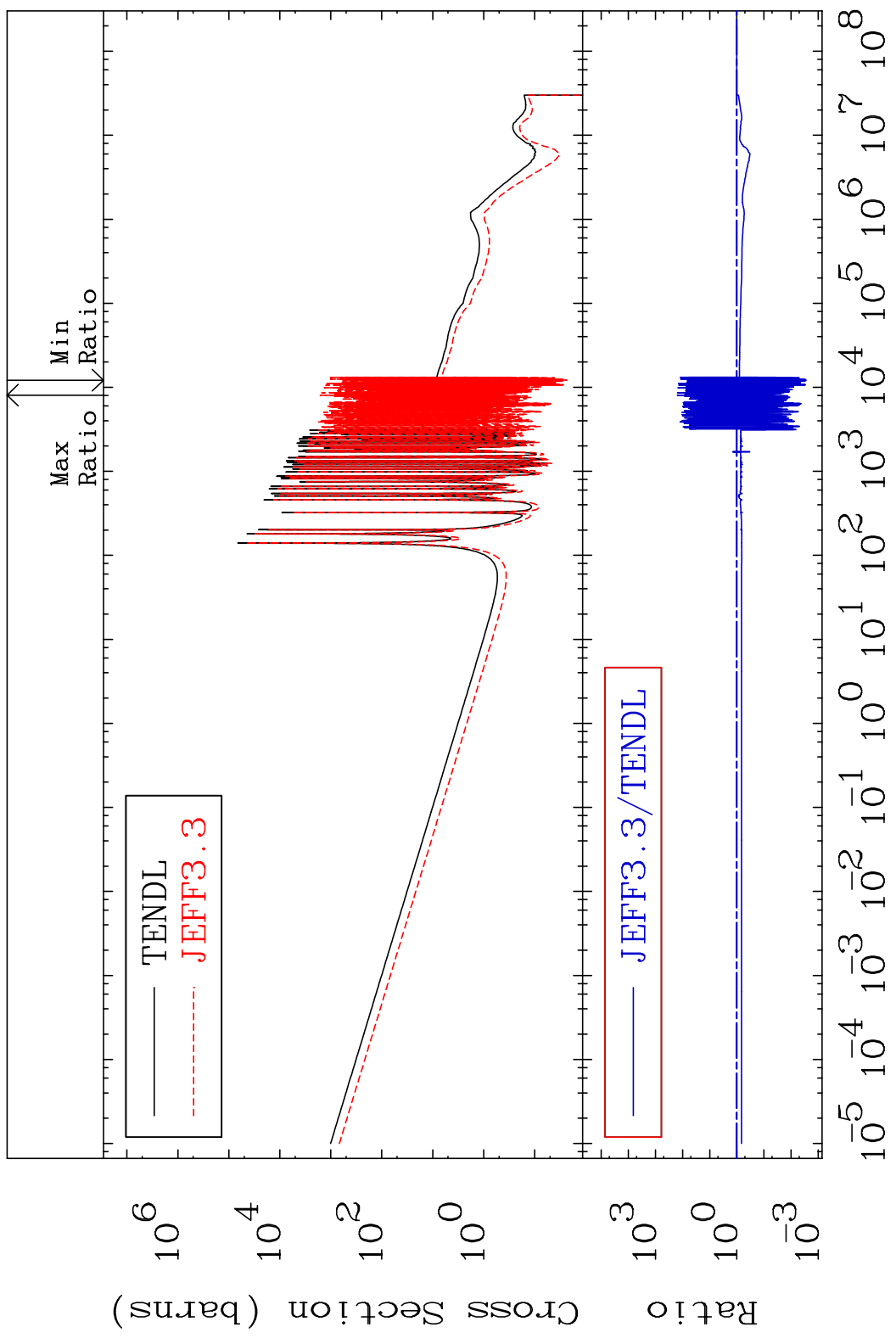
71 Incident Energy (eV) 70-Yb-172

MAT 7037 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-172
 Cross Section -100.0 To 117.7 %



MAT 7037

Kerma capture (mt102) 70-Yb-172
Cross Section -99.73 To 9999. %



73

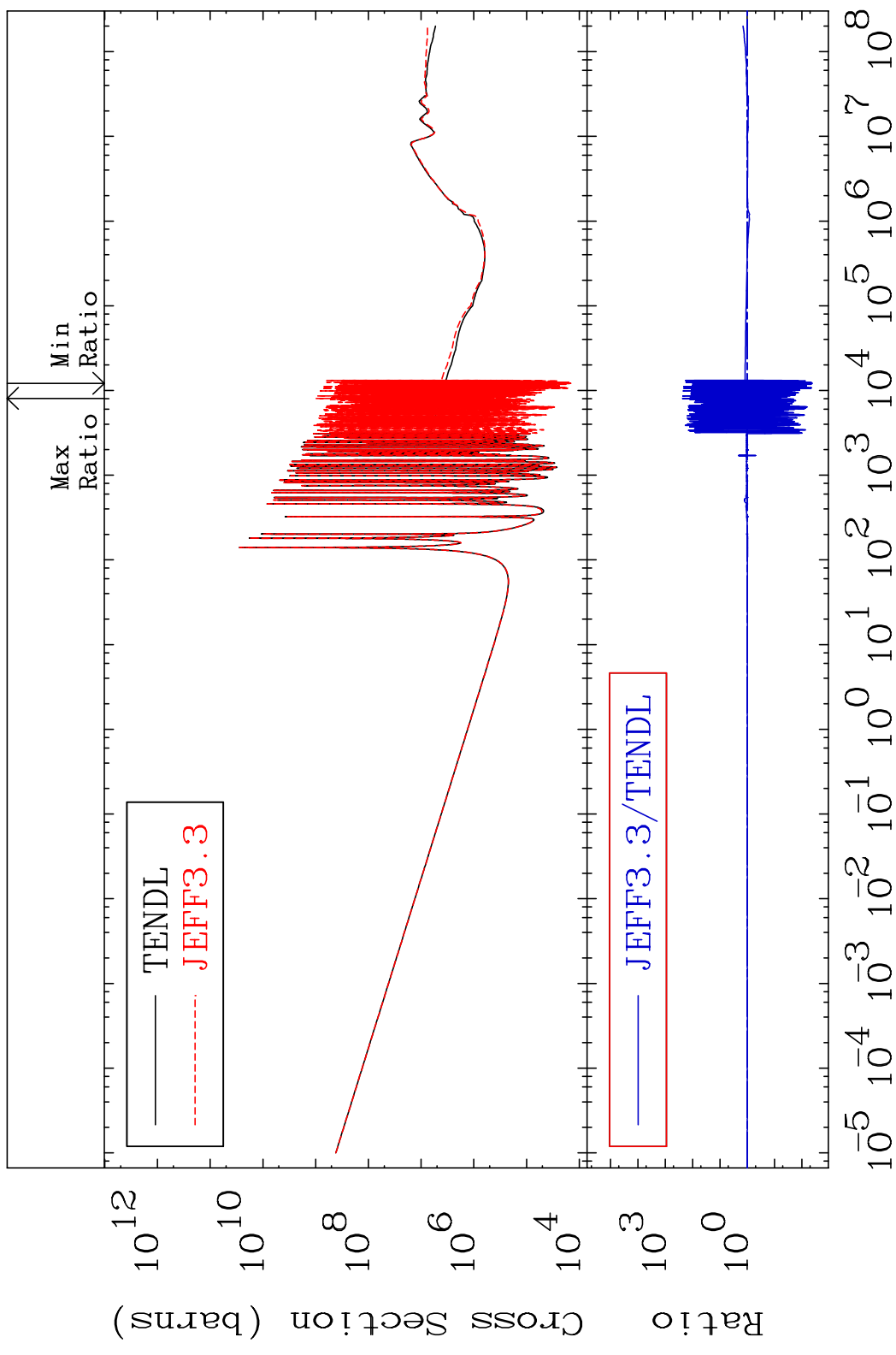
Incident Energy (eV) 70-Yb-172

MAT 7037

Total photon (eV-barns)

70-Yb-172

Cross Section -99.59 To 9999. %

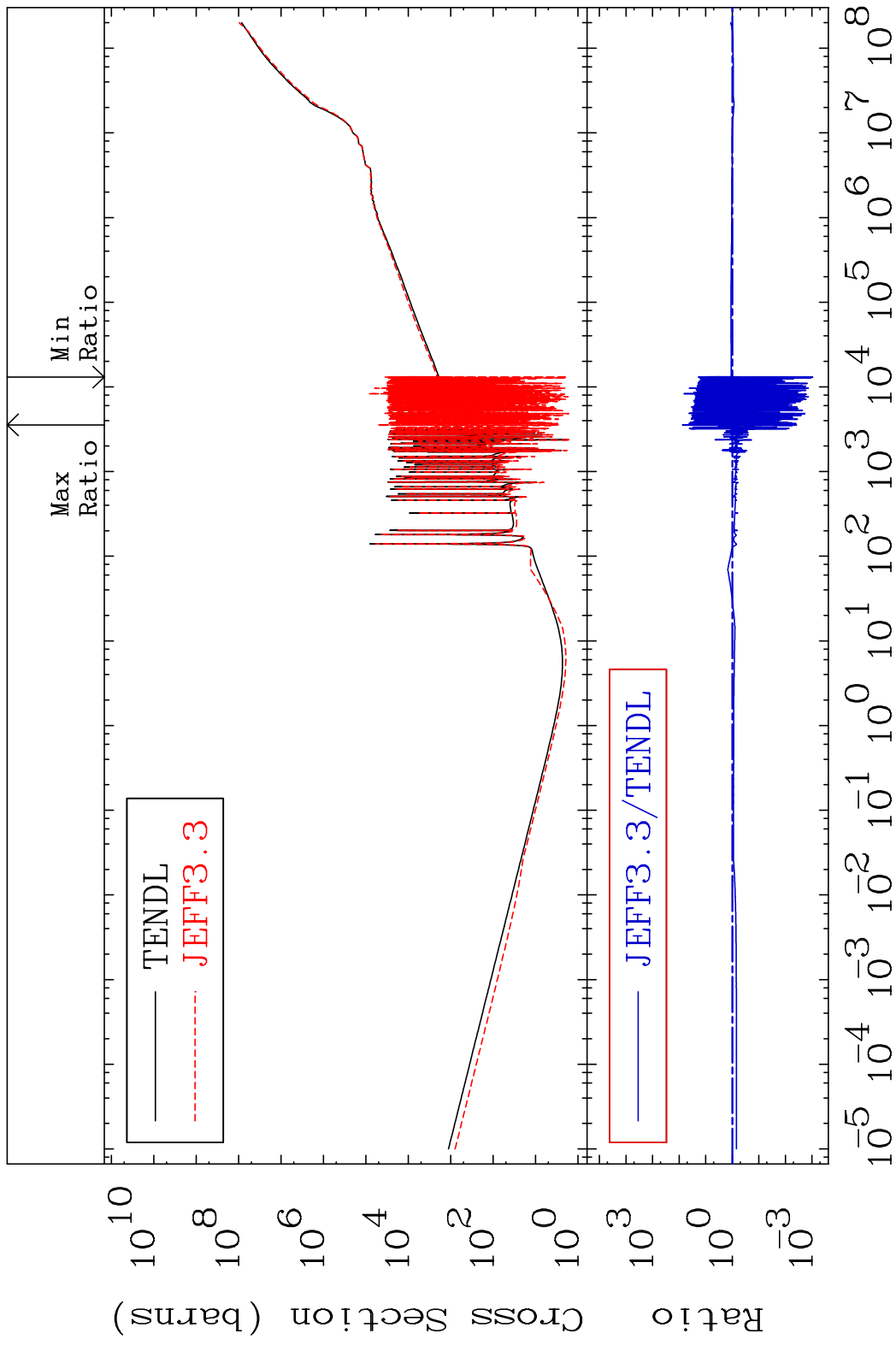


74

Incident Energy (eV)

70-Yb-172

MAT 7037 Total kinematic kerma (high limit) 70-Yb-172
Cross Section -99.91 To 7447. %



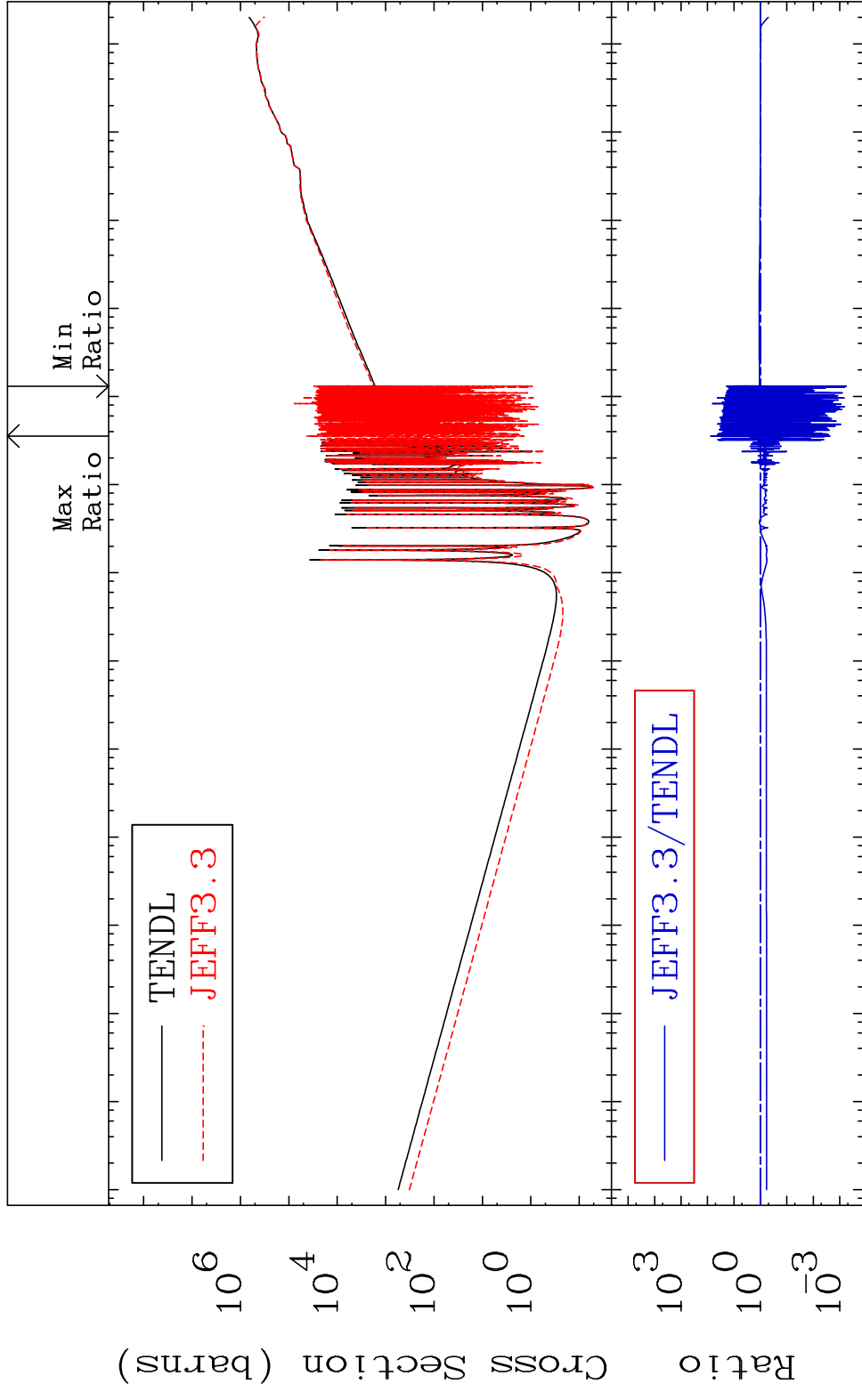
MAT 7037

Dpa total (eV-barns)

70-Yb-172

Cross Section

-99.94 To 7460. %



76

Incident Energy (eV)

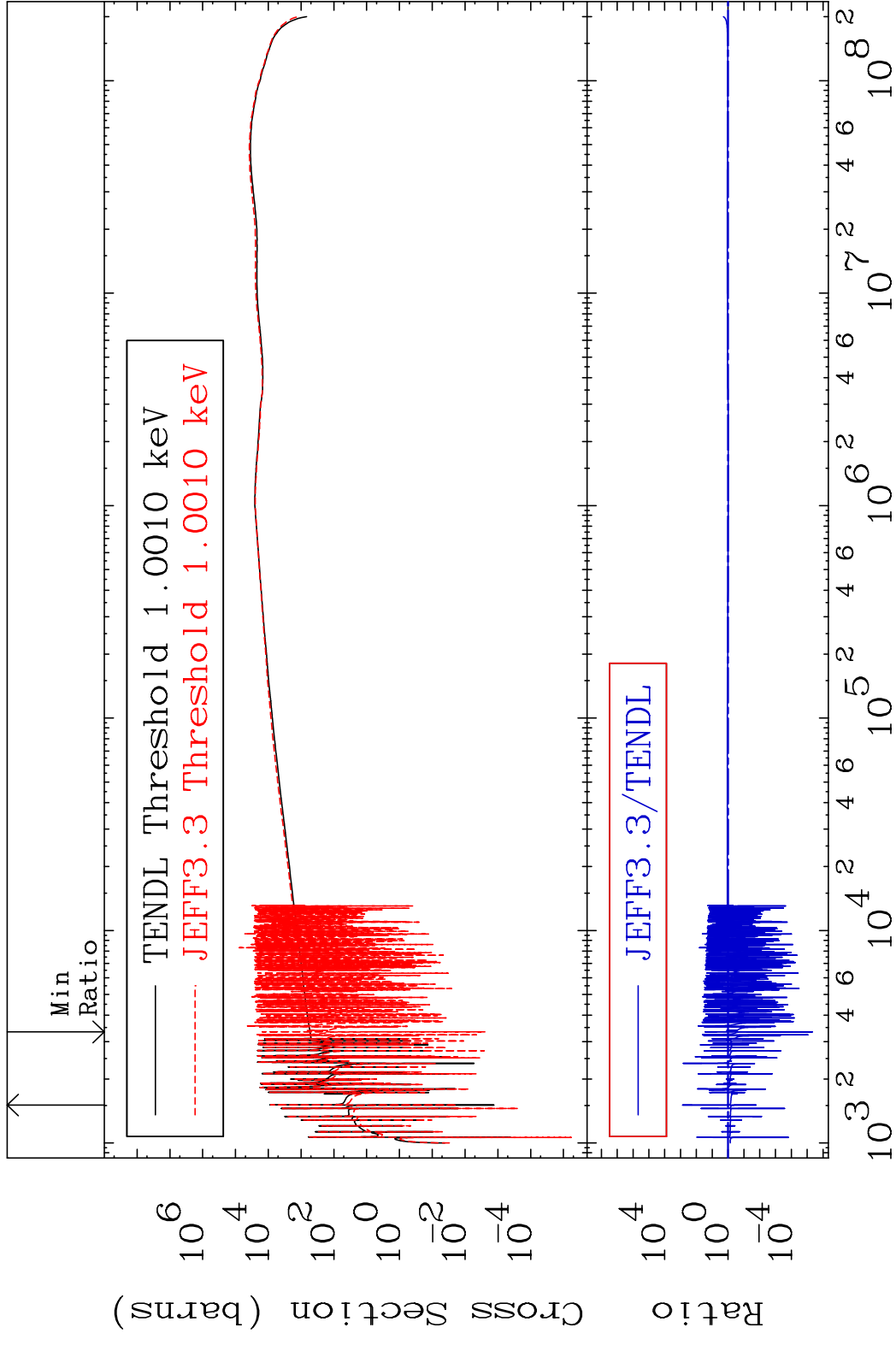
70-Yb-172

MAT 7037

Dpa elastic (mt2)

70-Yb-172

Cross Section -100.0 To 9999. %



77

Incident Energy (eV)

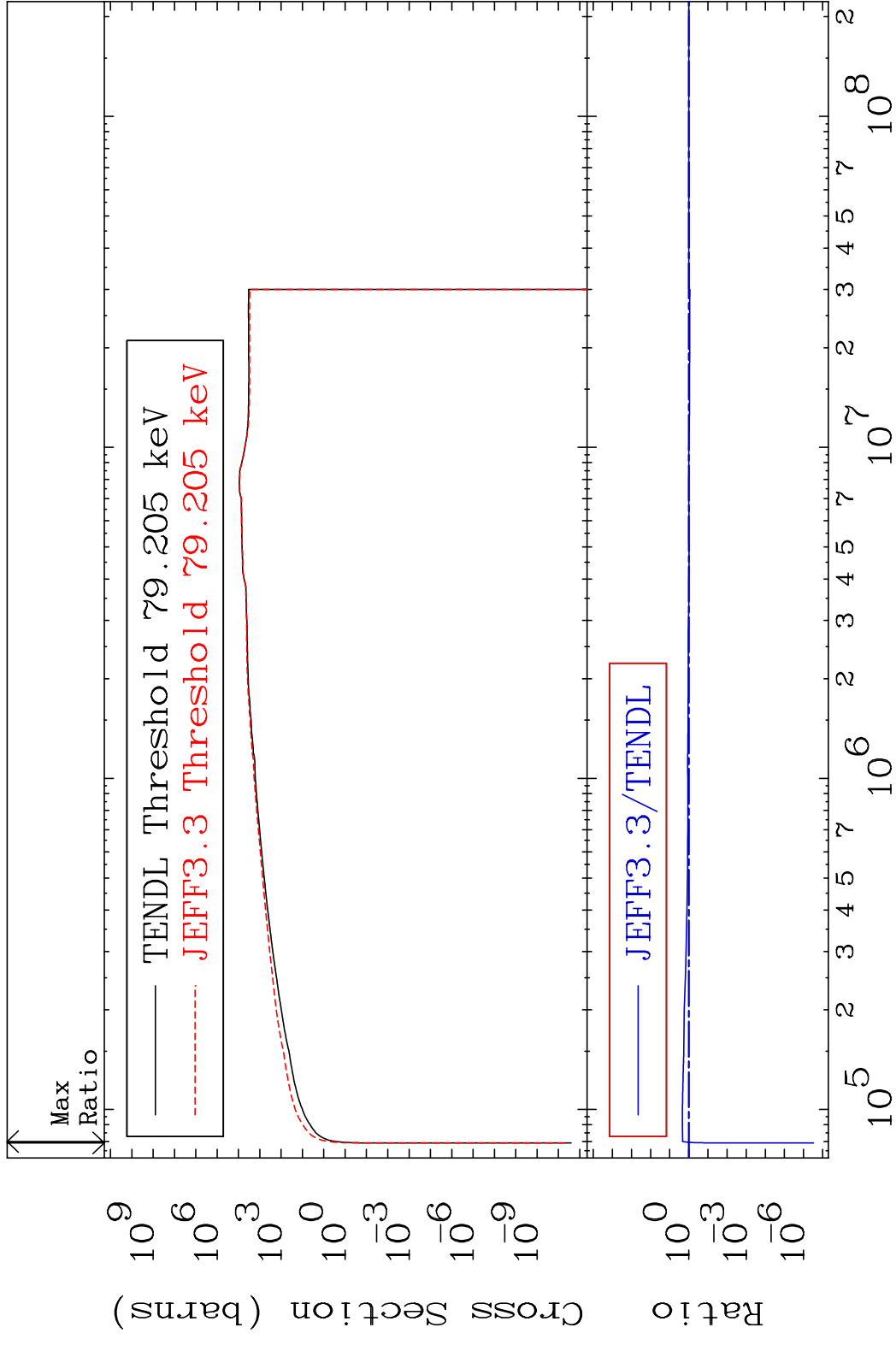
70-Yb-172

MAT 7037

Dpa inelastic (mt51-91)

70-Yb-172

Cross Section -100.0 To 118.1 %

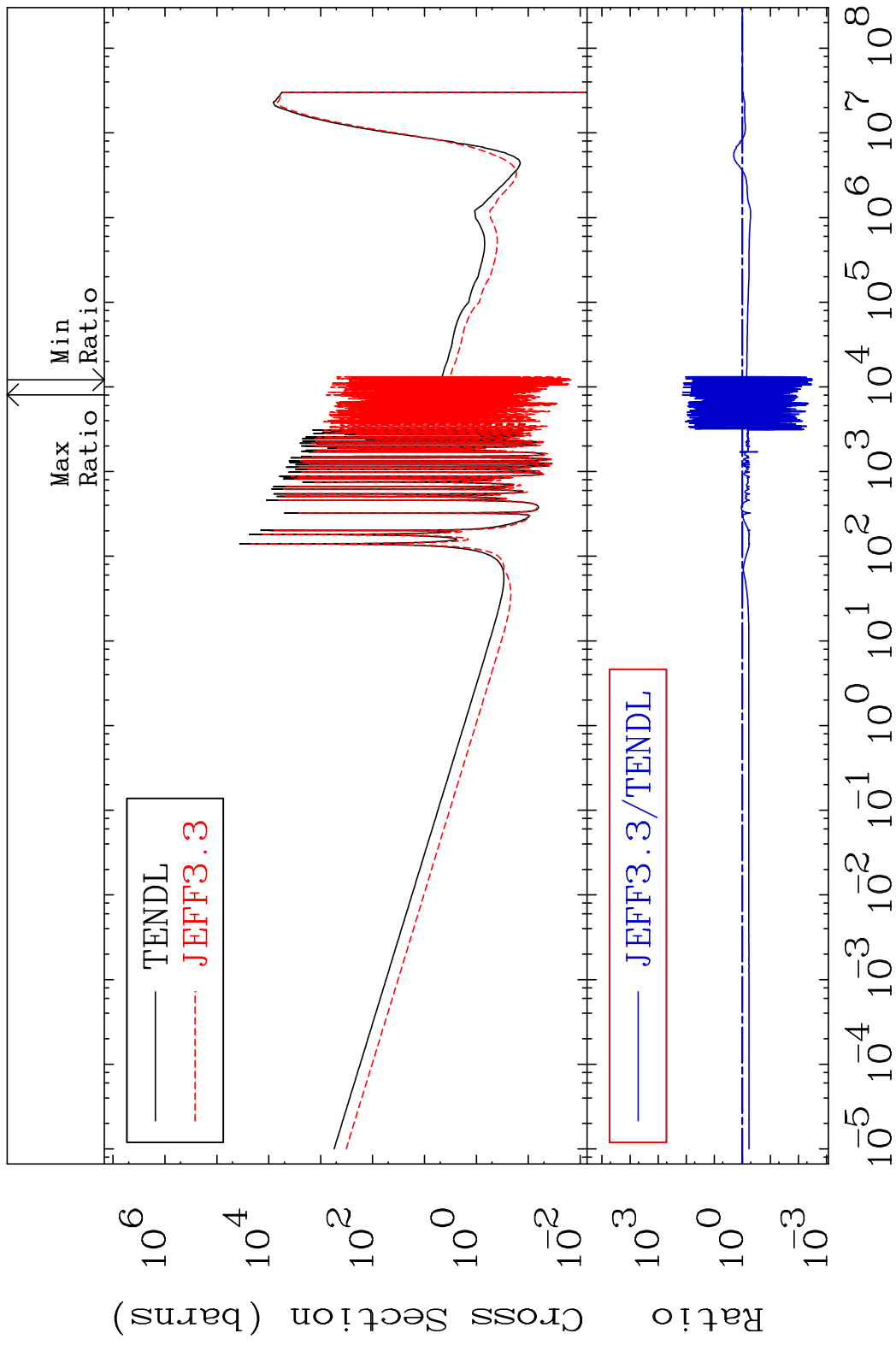


78

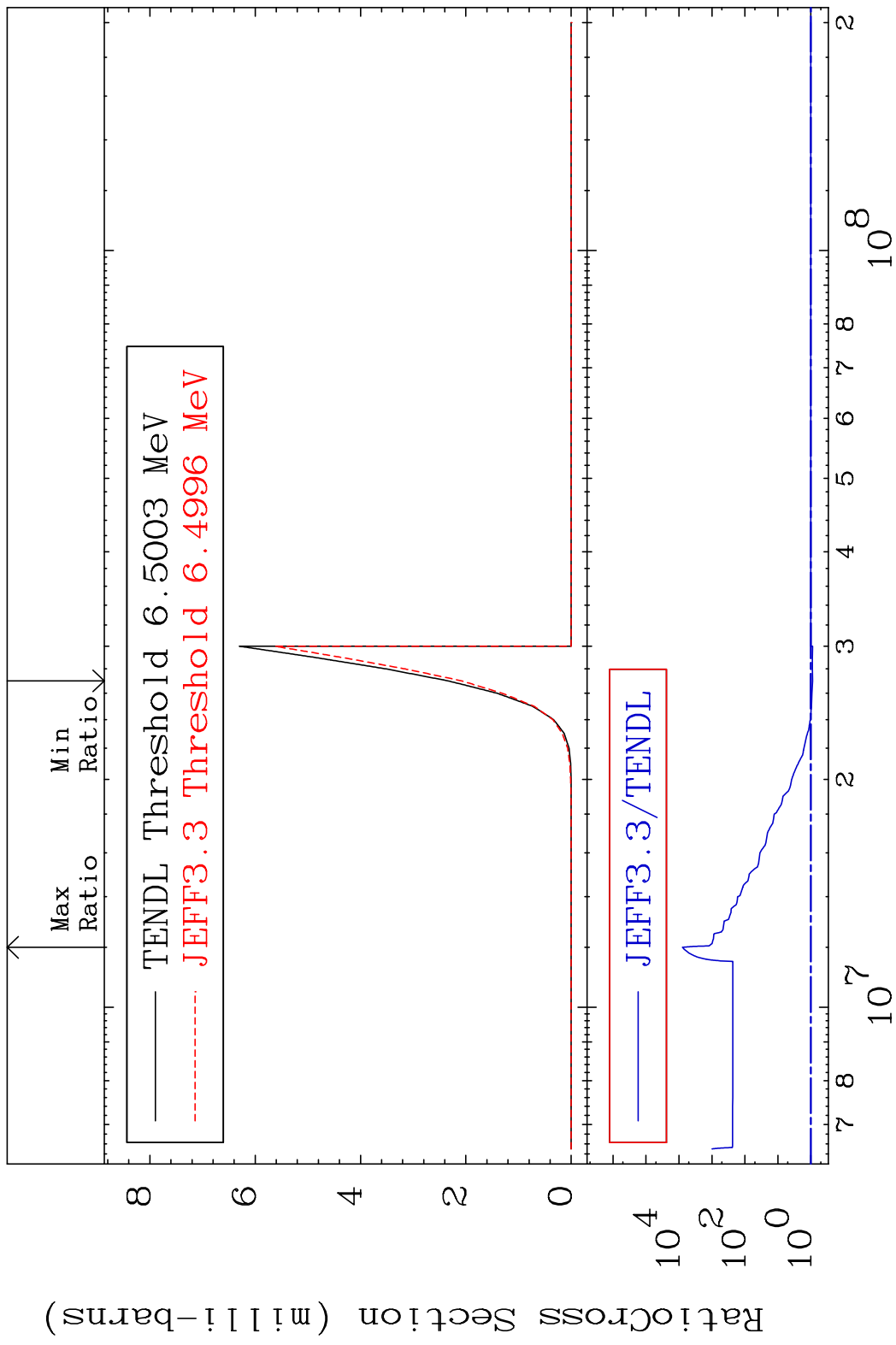
Incident Energy (eV)

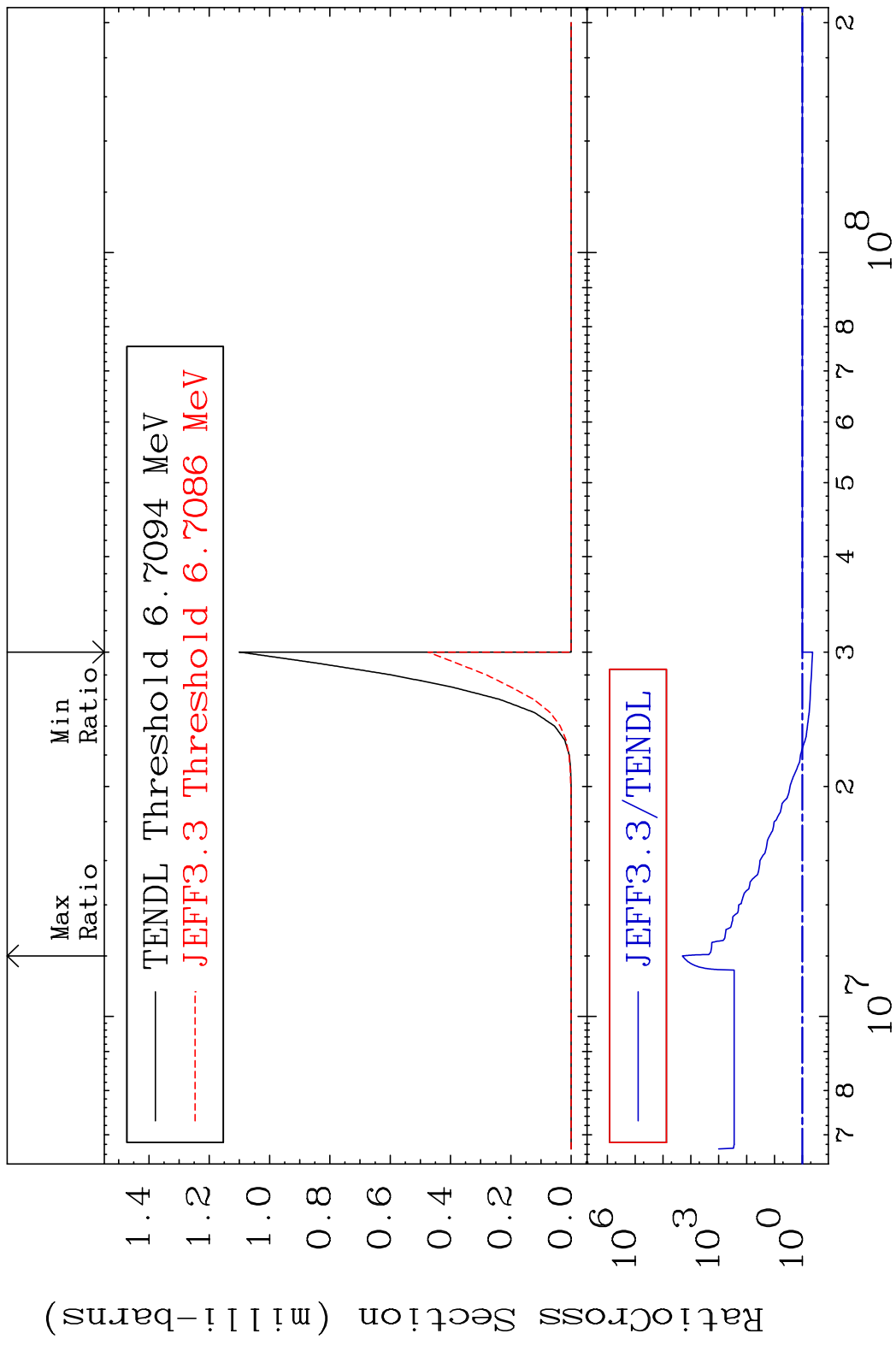
70-Yb-172

MAT 7037 Dpa disappearance (mt102 -120) 70-Yb-172
Cross Section -99.68 To 9999. %



MAT 7037 (n,2n) α :68-Er-167g 70-Yb-172
 Radionuclide Production Cross Section 180.95 dth 9999. %





MAT 7037 (n,4n):70-Yb-169g 70-Yb-172
 Radionuclide Production Cross Section 1078. %

