

Program Complot  
(Version 2018-1)

by

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

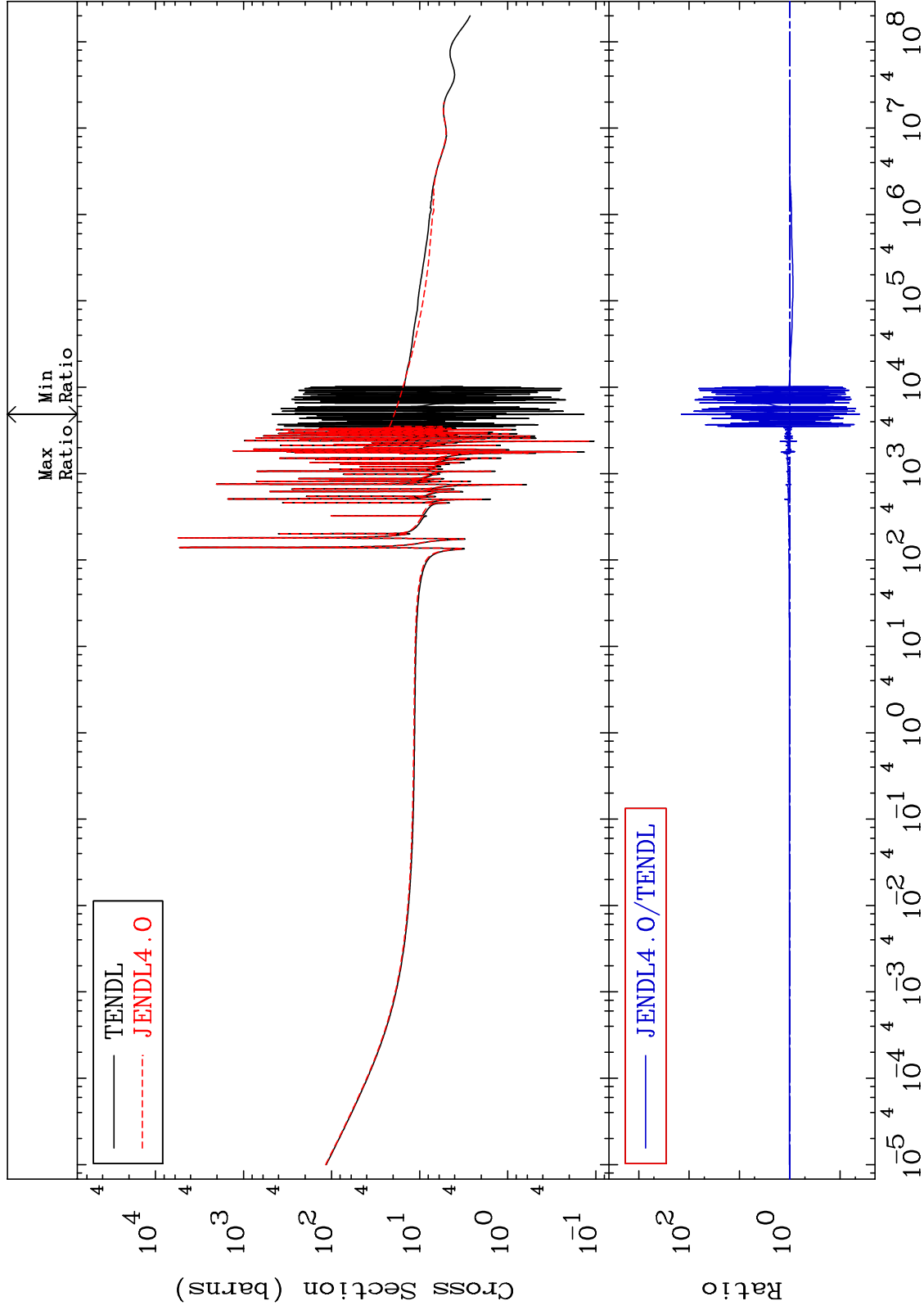
MAT 7037

Total

70-Yb-172

Cross Section

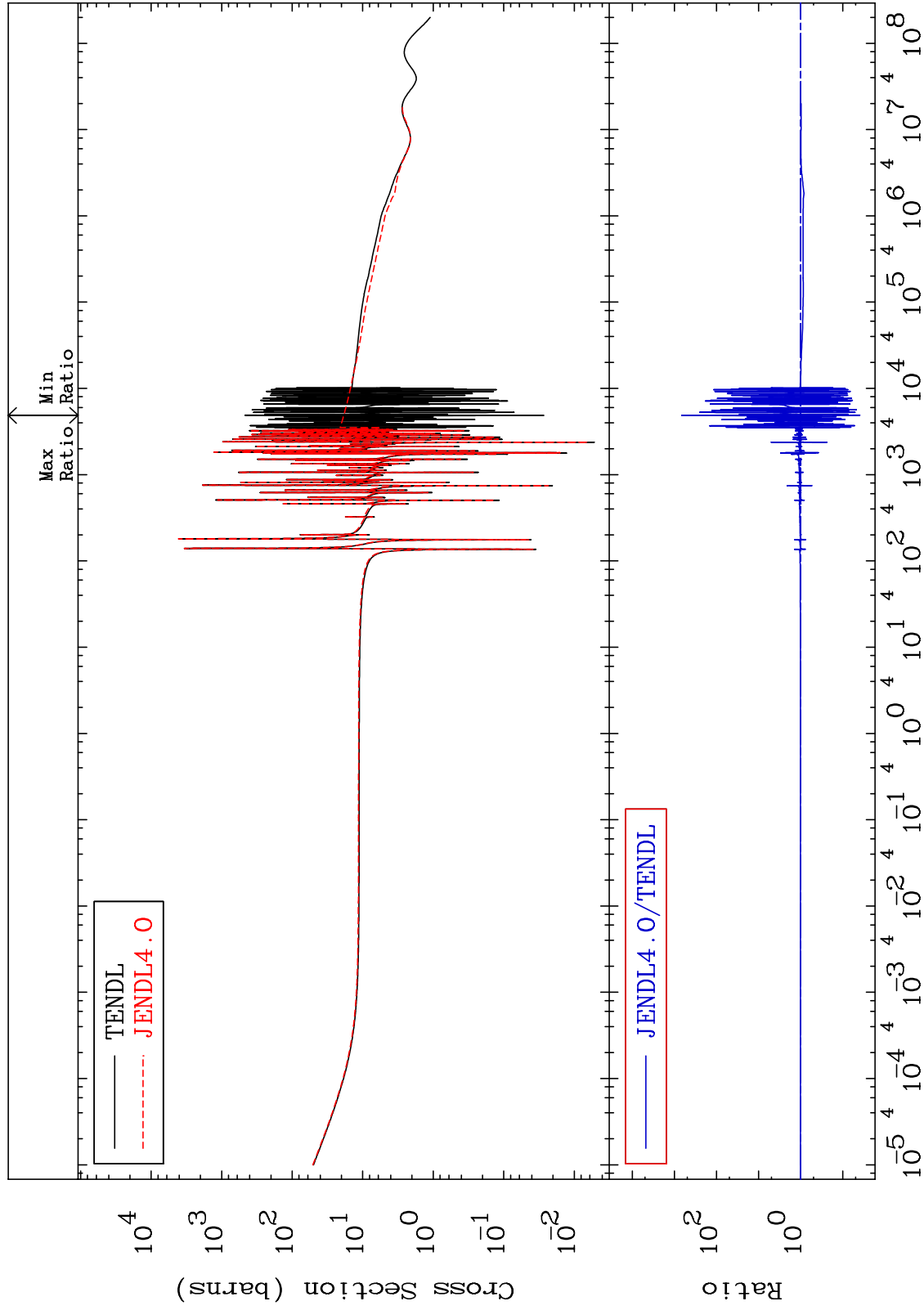
-95.92 To 9999. %



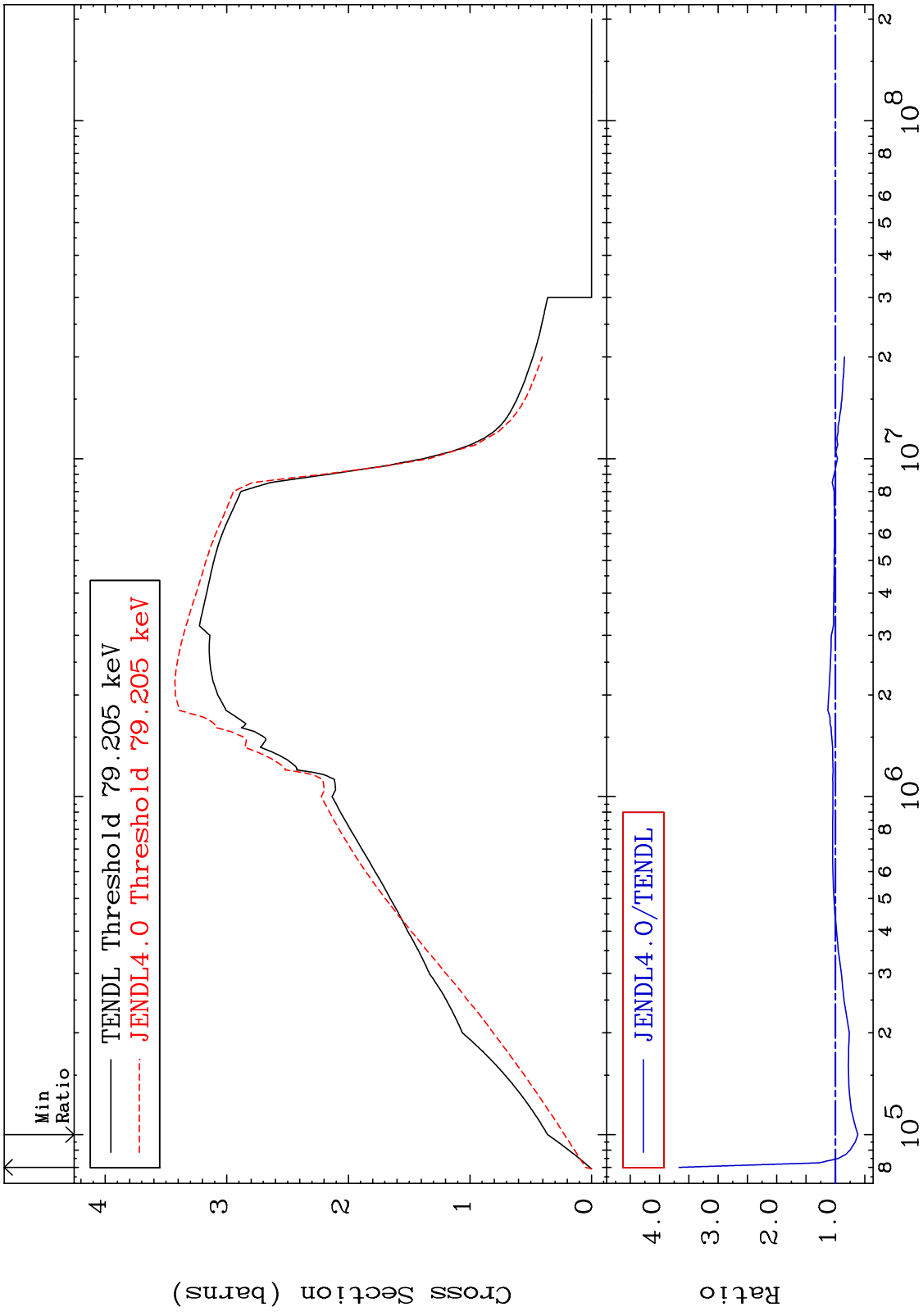
MAT 7037

Elastic  
Cross Section

70-Yb-172  
-96.04 To 9999. %

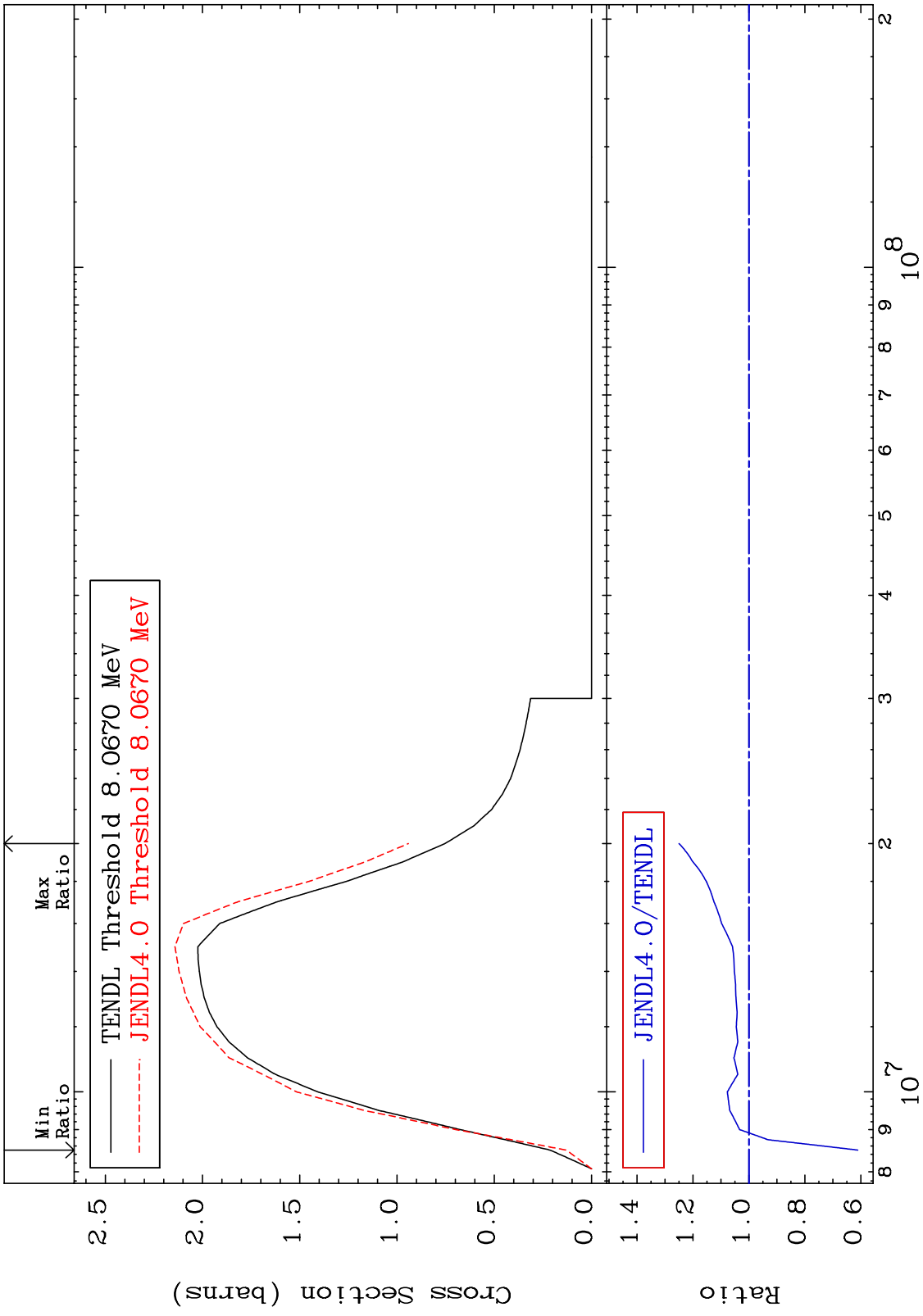


MAT 7037 Inelastic Cross Section 70-Yb-172 -38.25 To 266.7 %



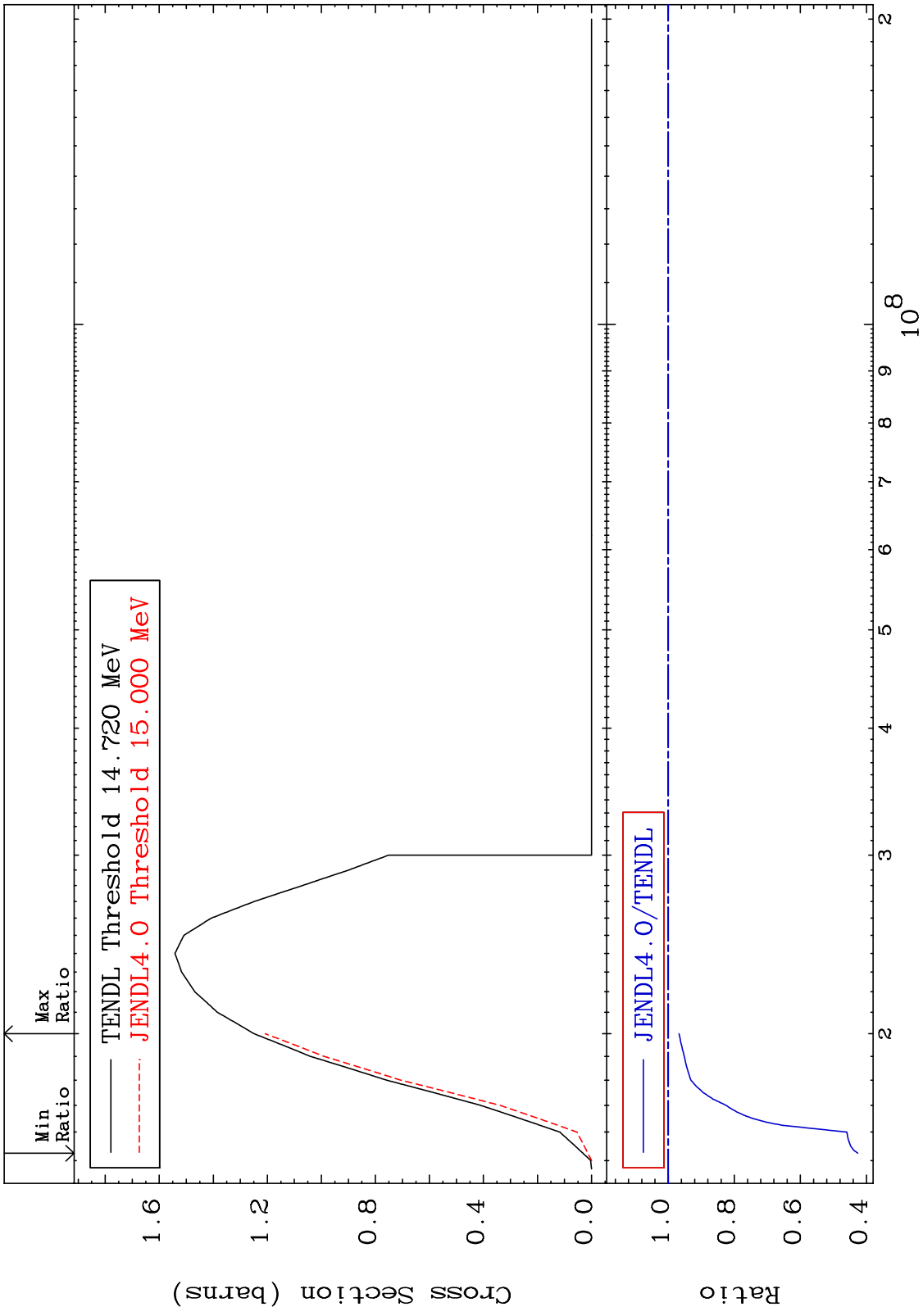
Ratio JENDL4.0/TENDL 70-Yb-172

MAT 7037 (n,2n) Cross Section 70-Yb-172 -38.93 To 24.95 %



4 Incident Energy (eV) 70-Yb-172

MAT 7037 (n,3n) Cross Section 70-Yb-172 -57.37 To -3.290%



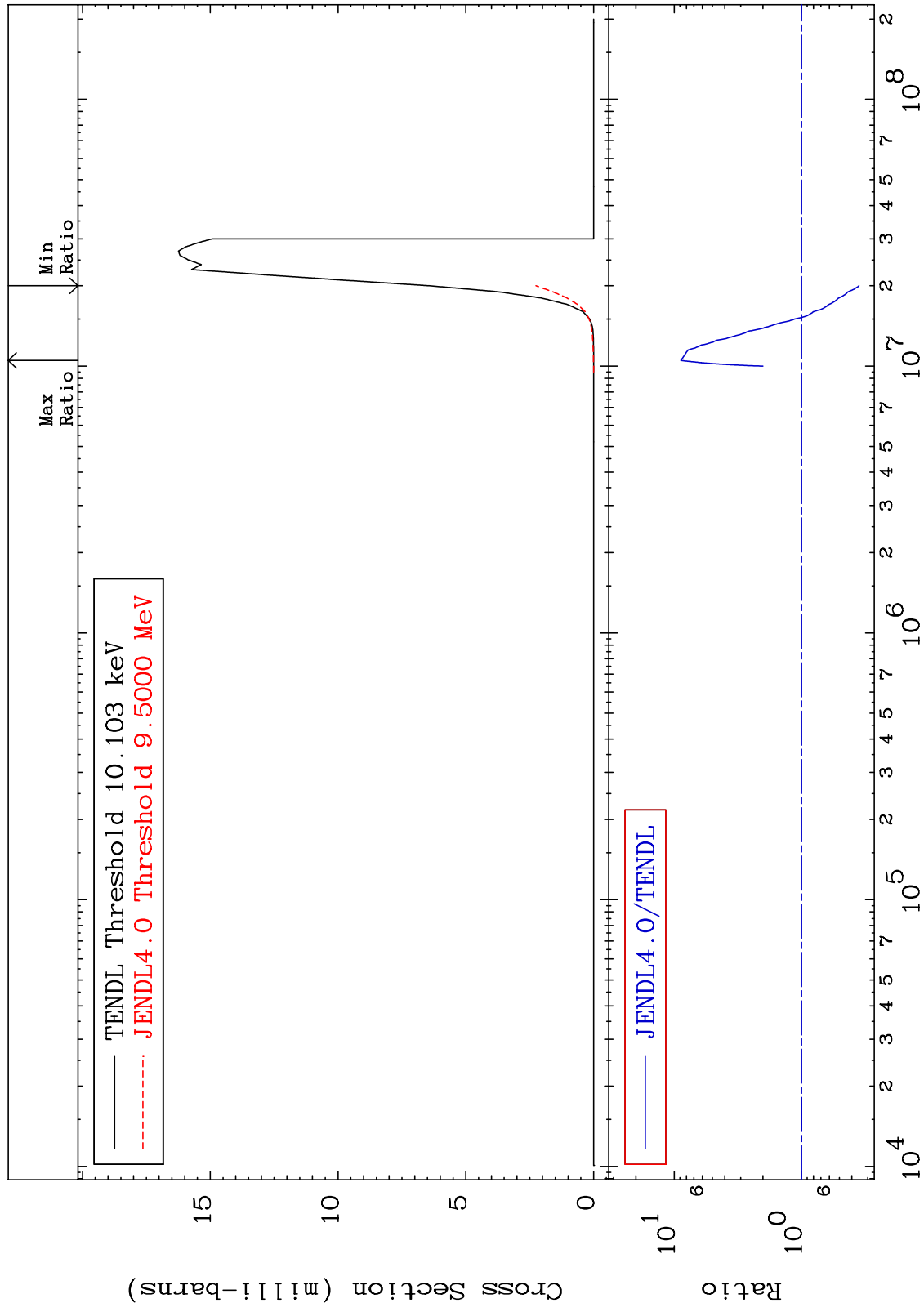
MAT 7037

(n, n')  $\alpha$

70-Yb-172

Cross Section

-64.93 To 786.0 %

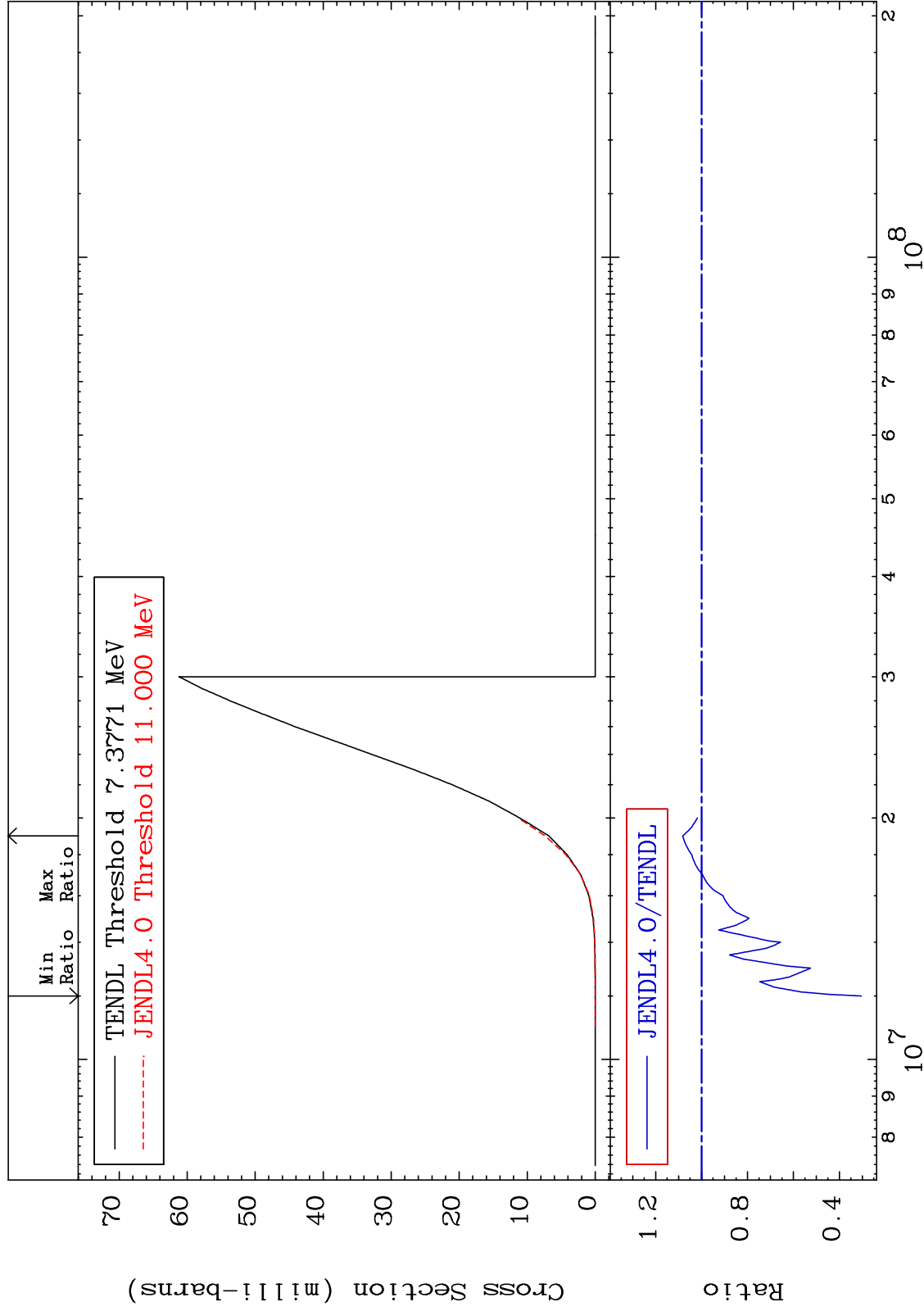


70-Yb-172

MAT 7037

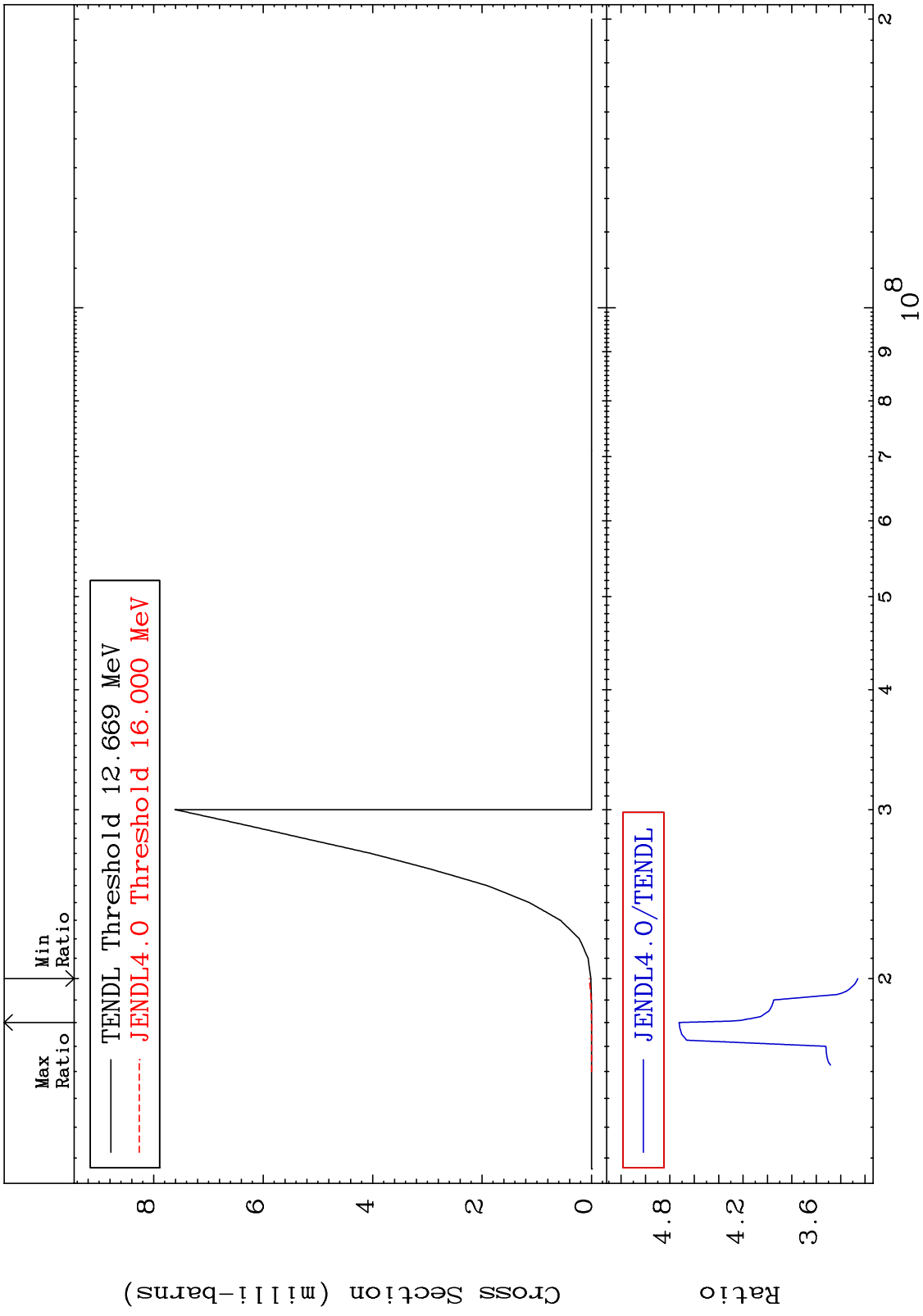
(n, n') p  
Cross Section

70-Yb-172  
-69.57 To 8.241 %

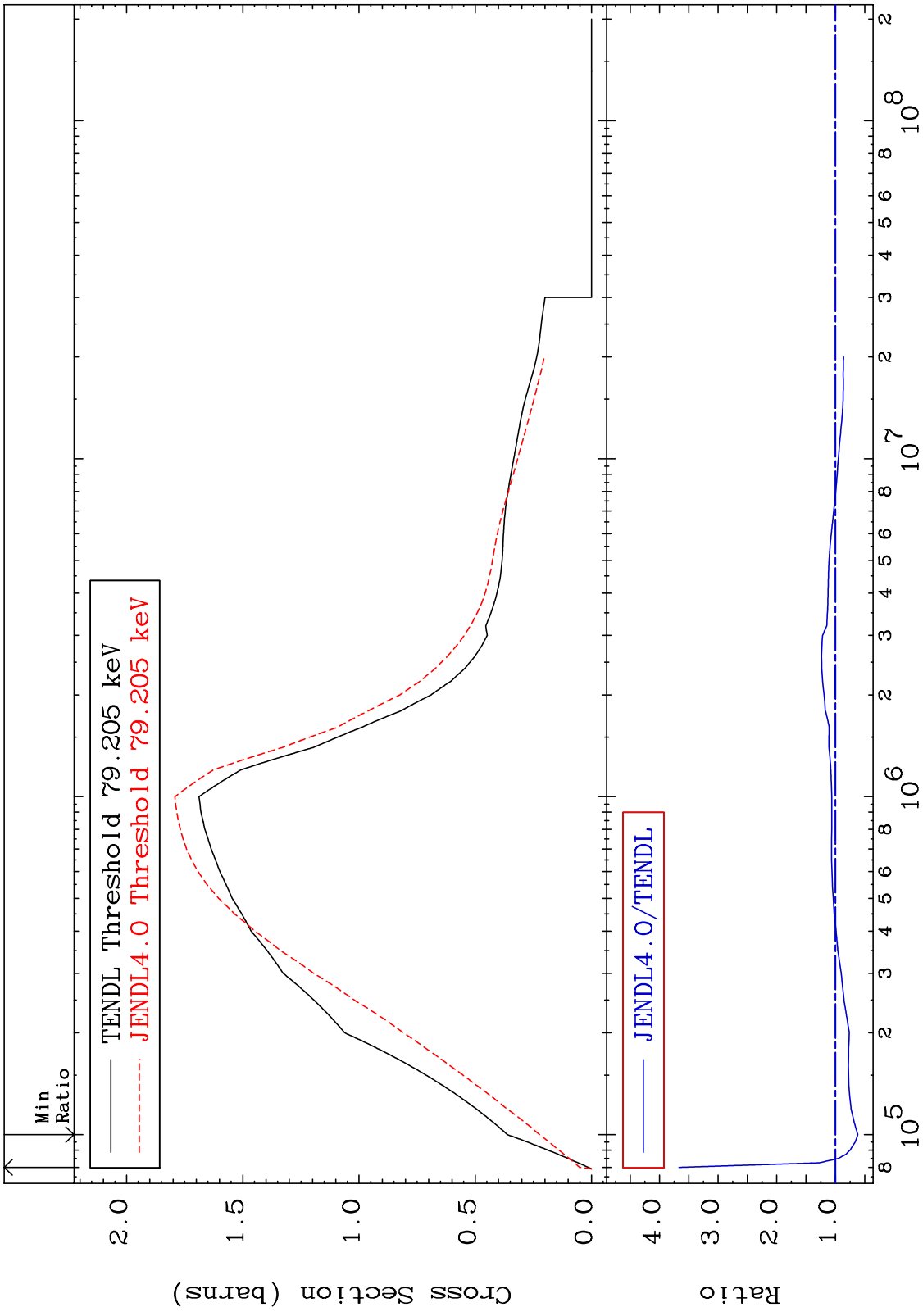




MAT 7037 (n, n') d 70-Yb-172  
 Cross Section 225.9 To 372.5 %

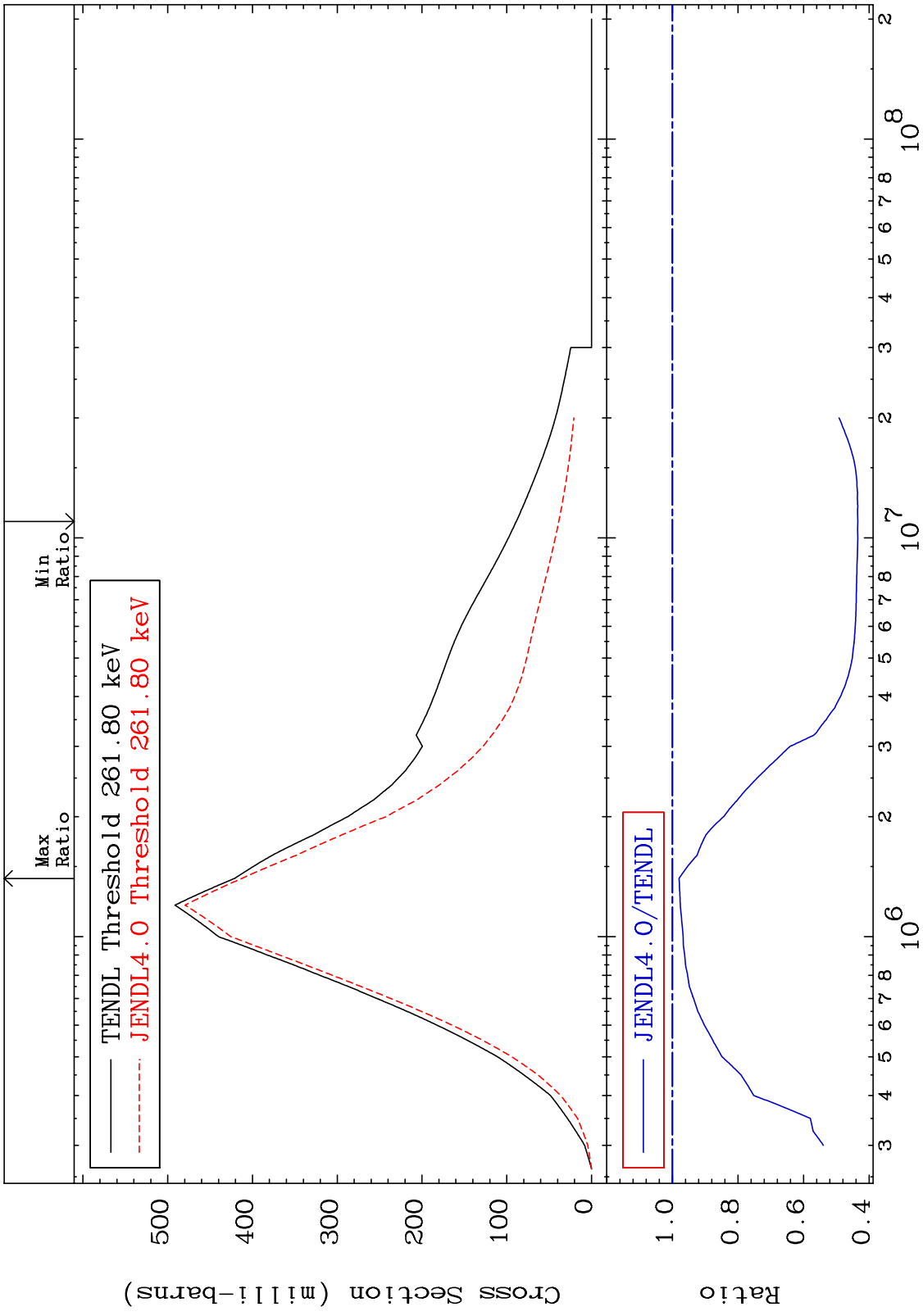


MAT 7037 MT= 51 (n,n') Level Cross Section 70-Yb-172 -38.25 To 266.7 %



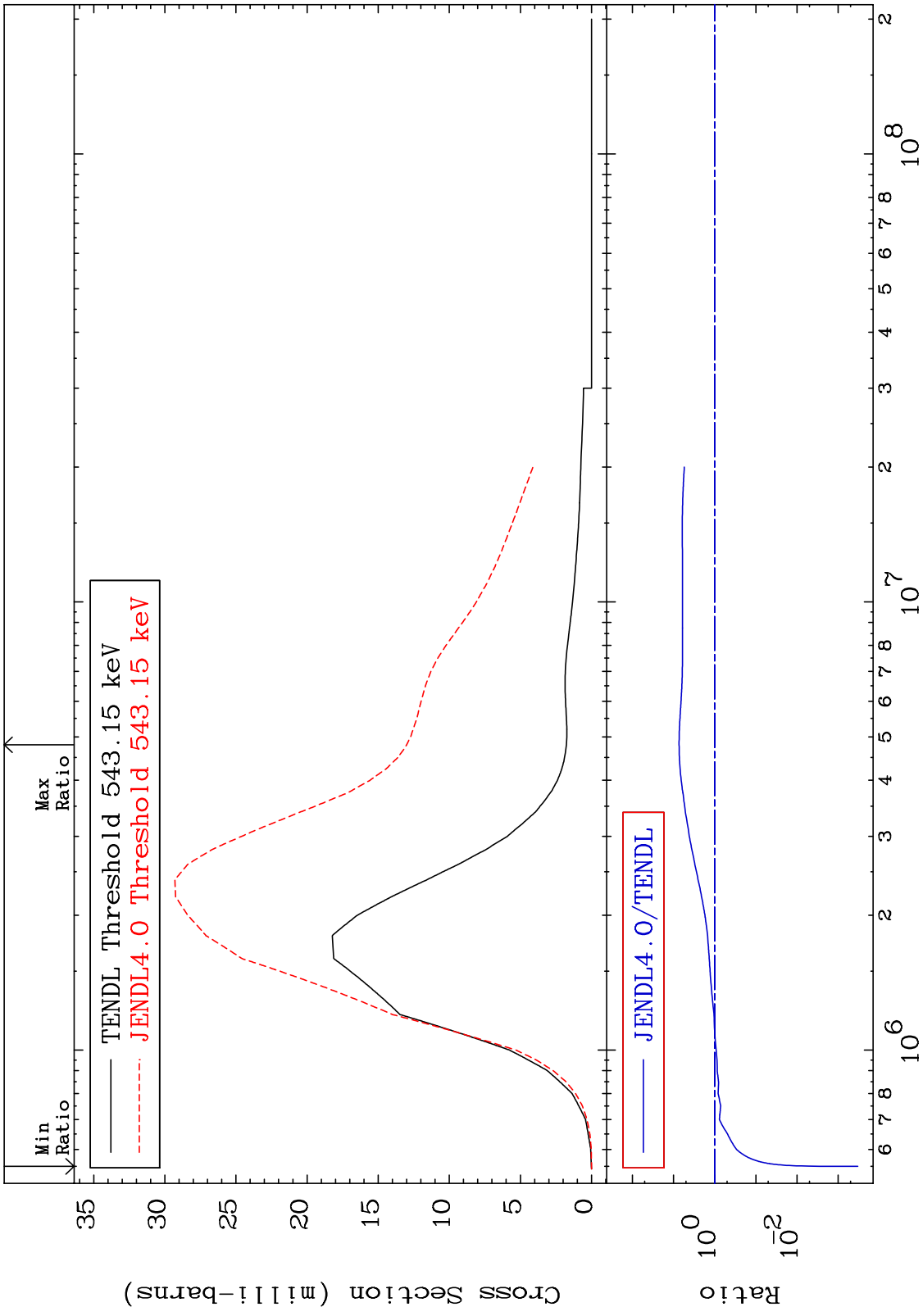
9 Incident Energy (eV) 70-Yb-172

MAT 7037 MT= 52 (n,n') Level Cross Section 70-Yb-172 -56.55 To -2.033%

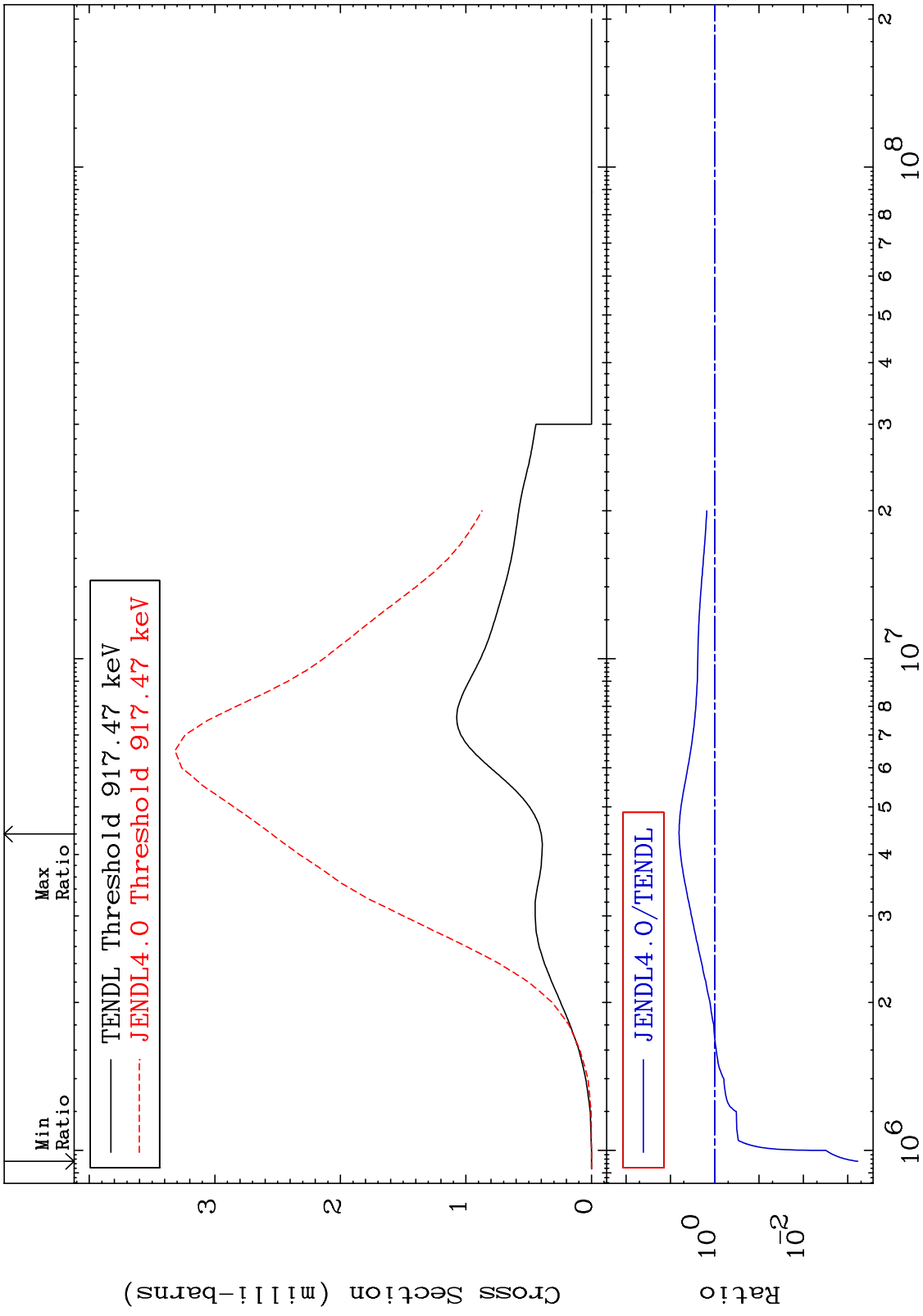


10 Incident Energy (eV) 70-Yb-172

MAT 7037 MT= 53 (n,n') Level Cross Section 70-Yb-172  
 -99.97 To 633.8 %

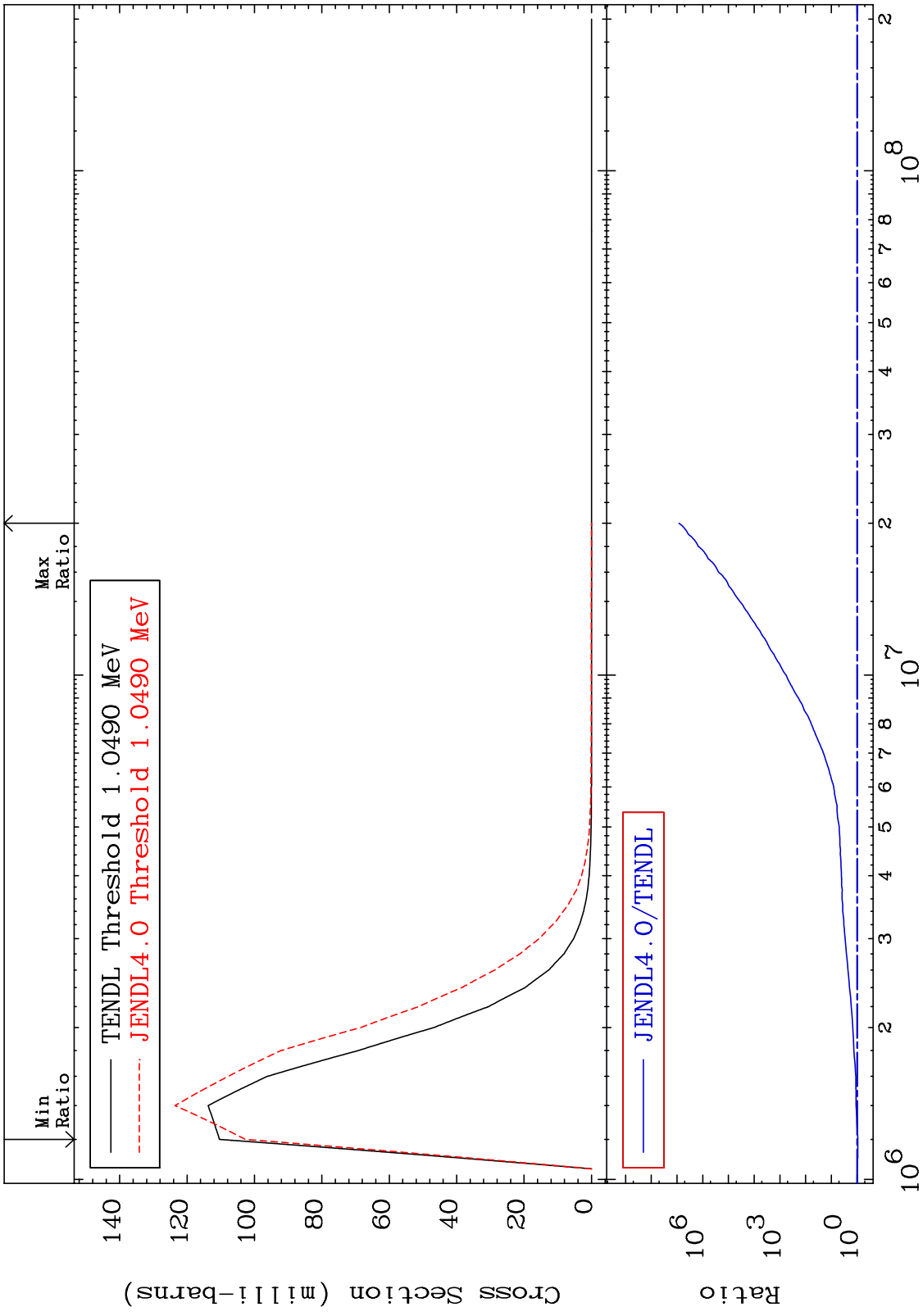


MAT 7037 MT= 54 (n,n') Level Cross Section 70-Yb-172  
-99.94 To 536.7 %



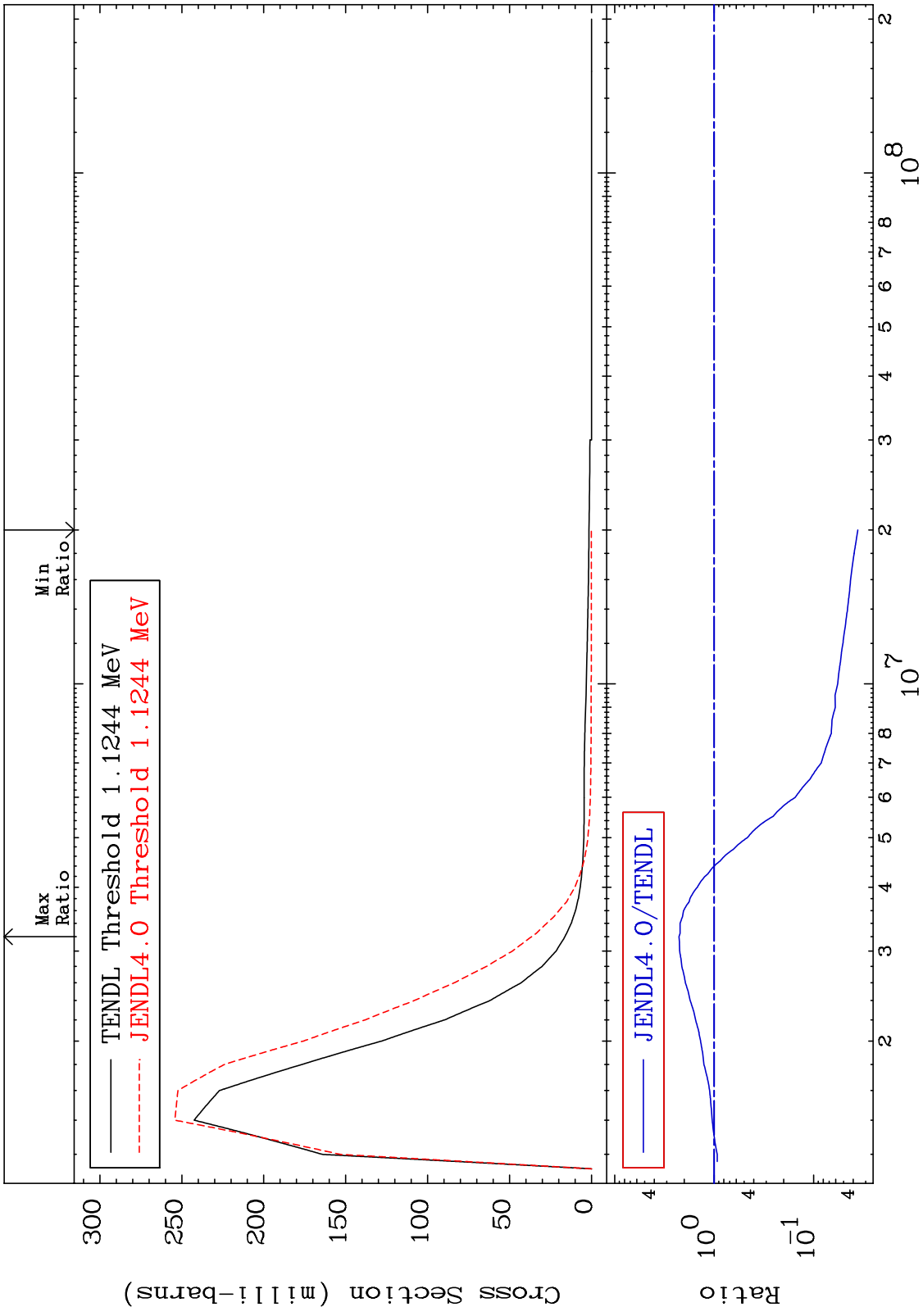
12 70-Yb-172

MAT 7037 MT= 55 (n,n') Level Cross Section 70-Yb-172  
 -6.965 To 9999. %



13 Incident Energy (eV) 70-Yb-172

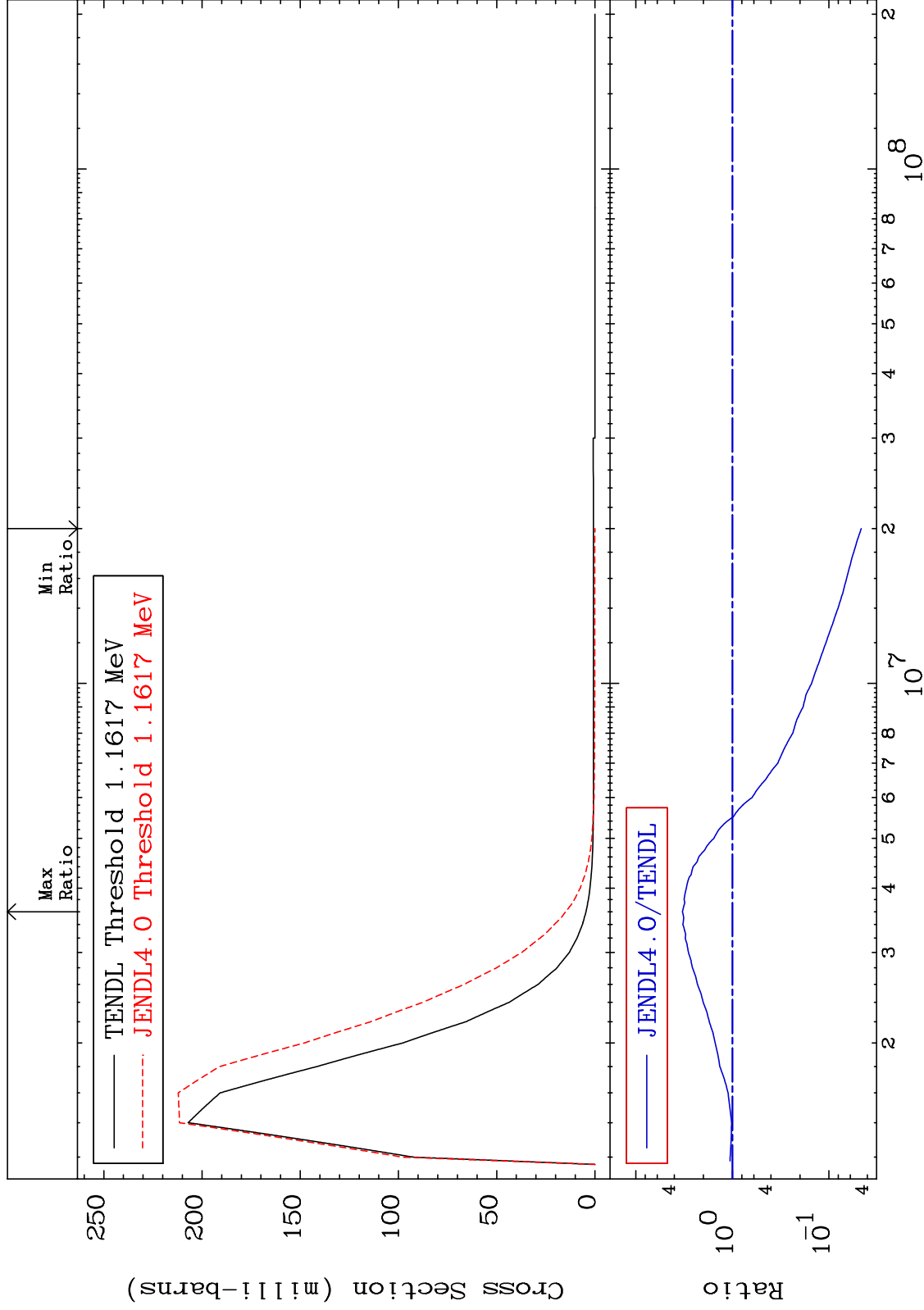
MAT 7037 MT= 56 (n,n') Level Cross Section -96.41 To 125.9 % 70-Yb-172



MAT 7037

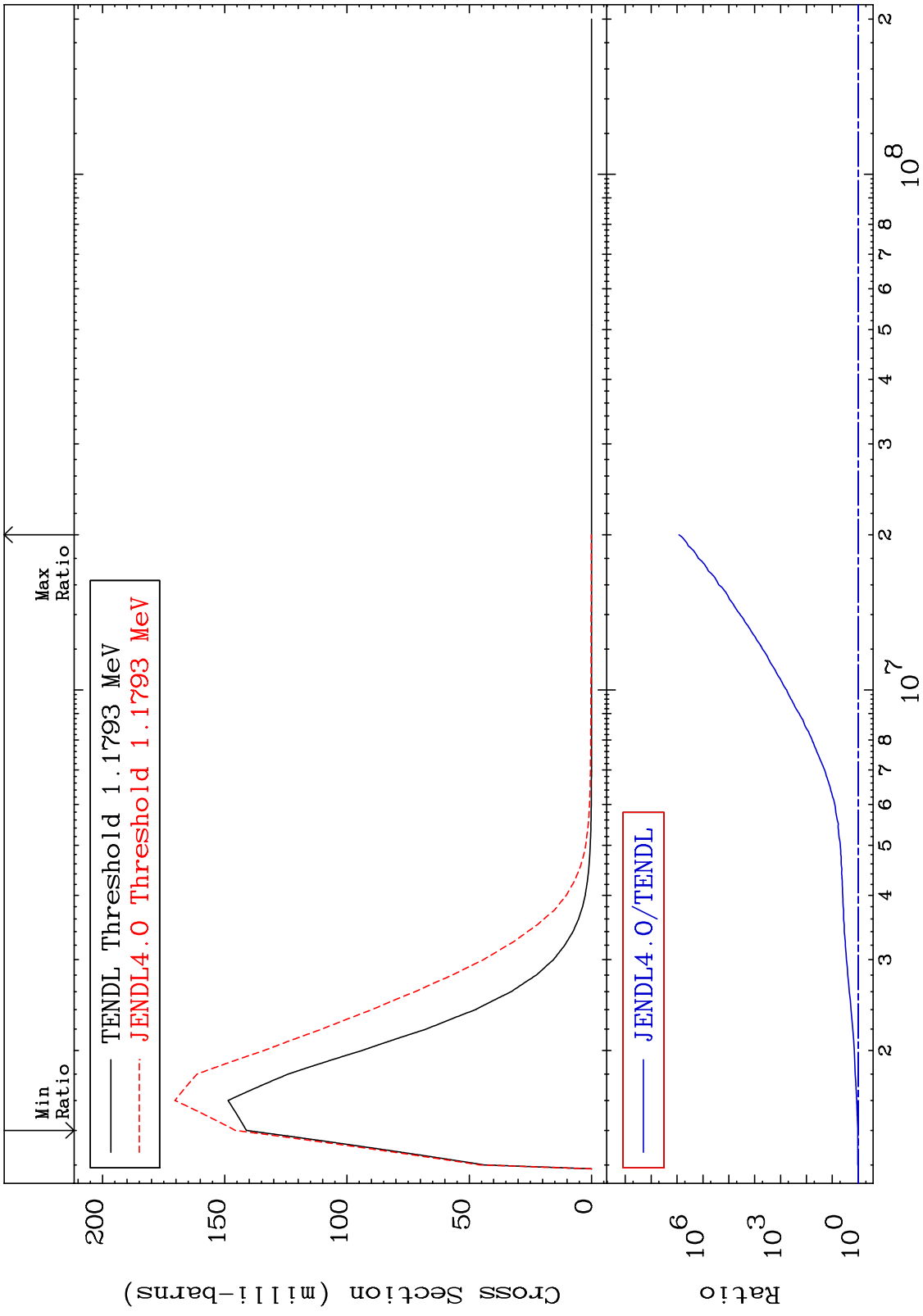
MT= 57 (n,n') Level  
Cross Section

70-Yb-172  
-95.37 To 229.4 %

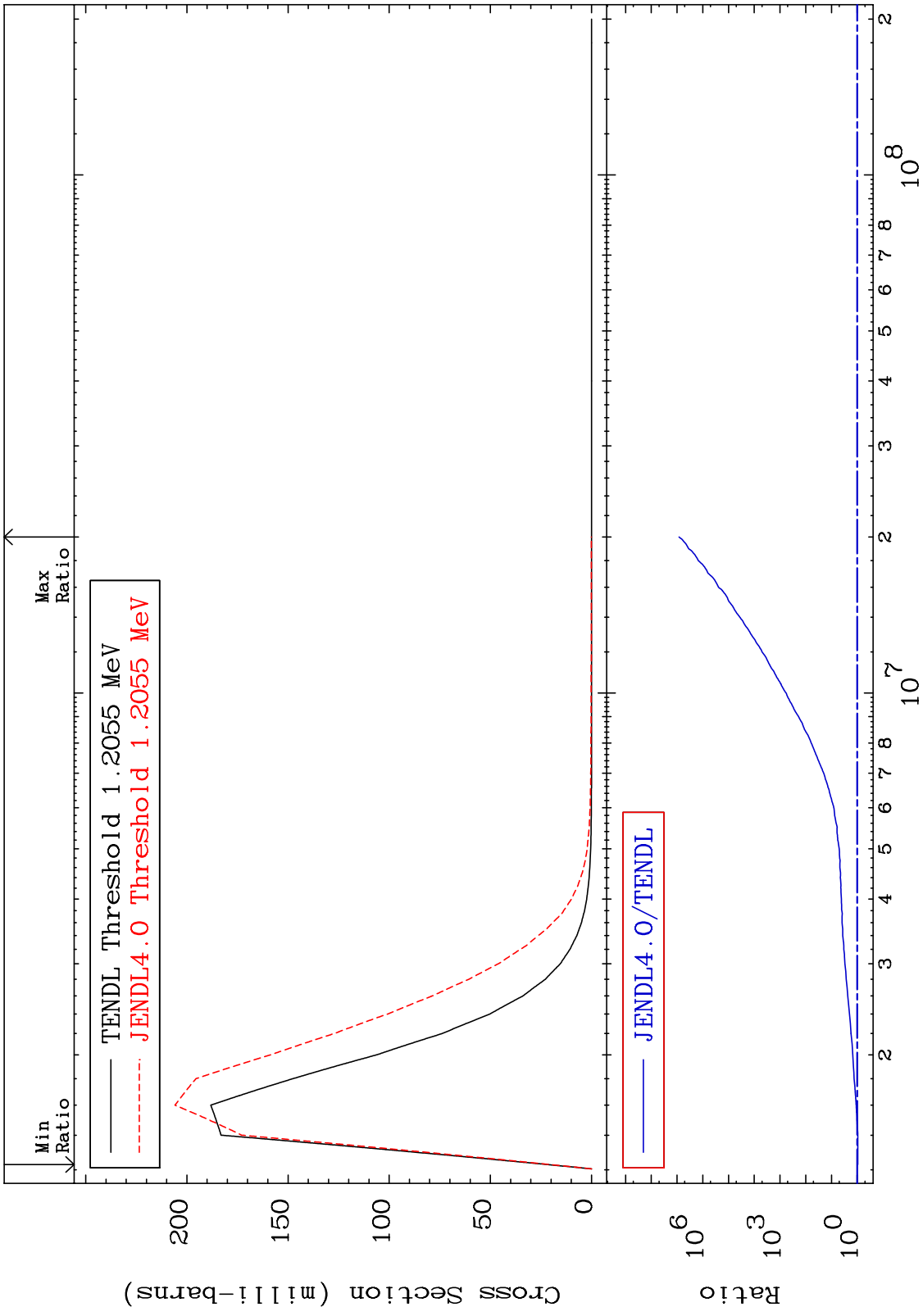




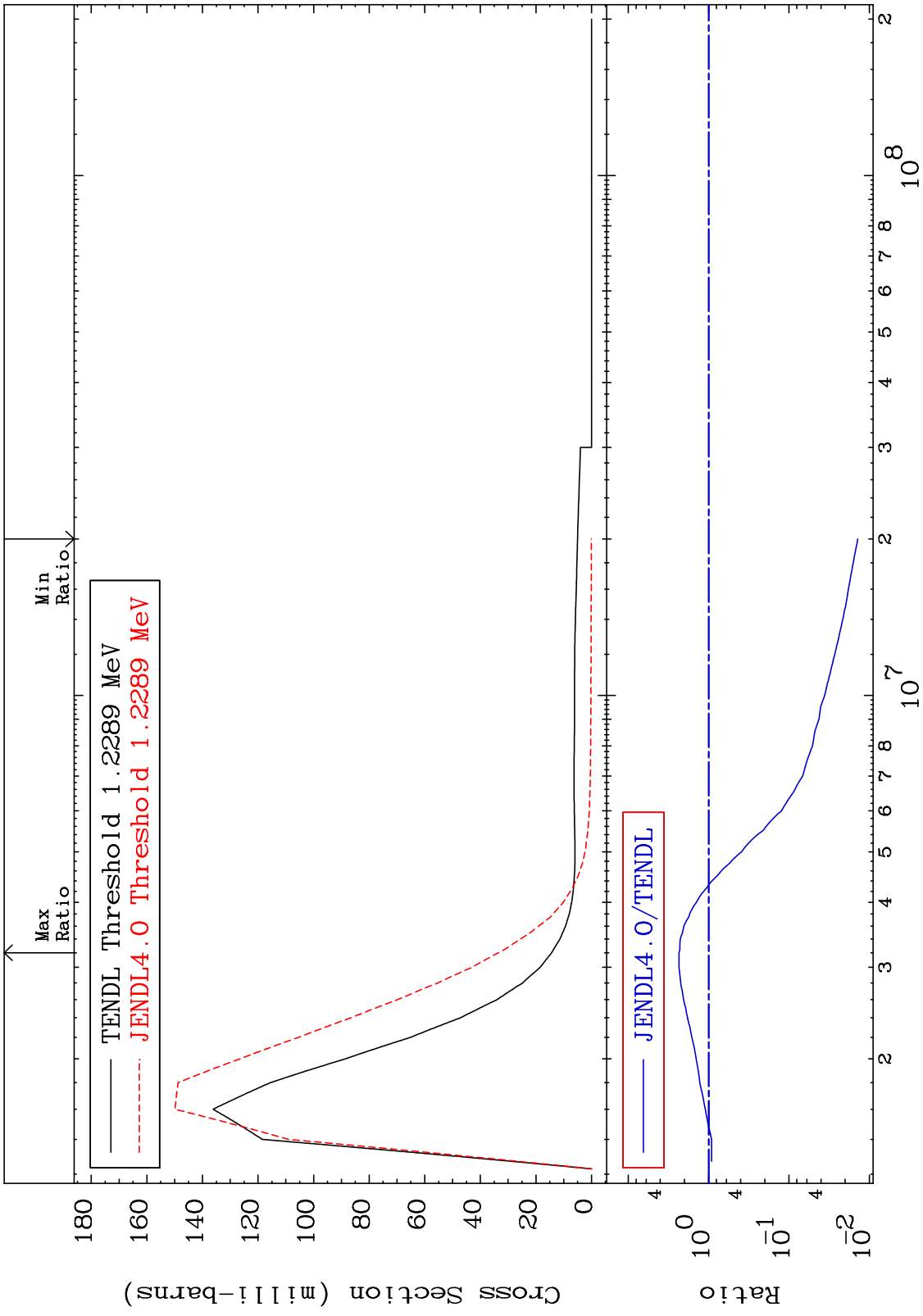
MAT 7037 MT= 58 (n,n') Level Cross Section 3.188 To 9999. % 70-Yb-172



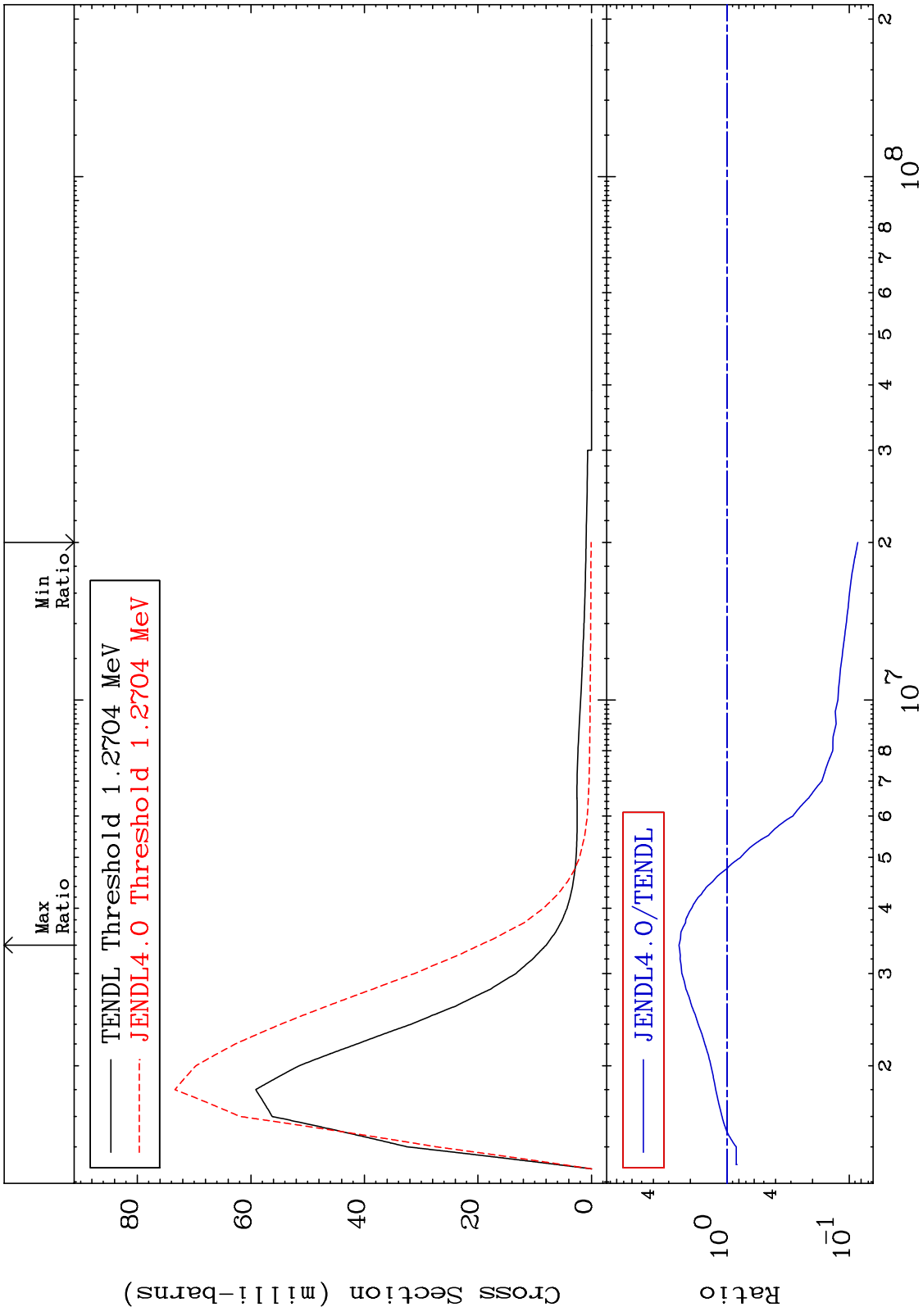
MAT 7037 MT= 59 (n,n') Level Cross Section 70-Yb-172  
 -5.616 To 9999. %



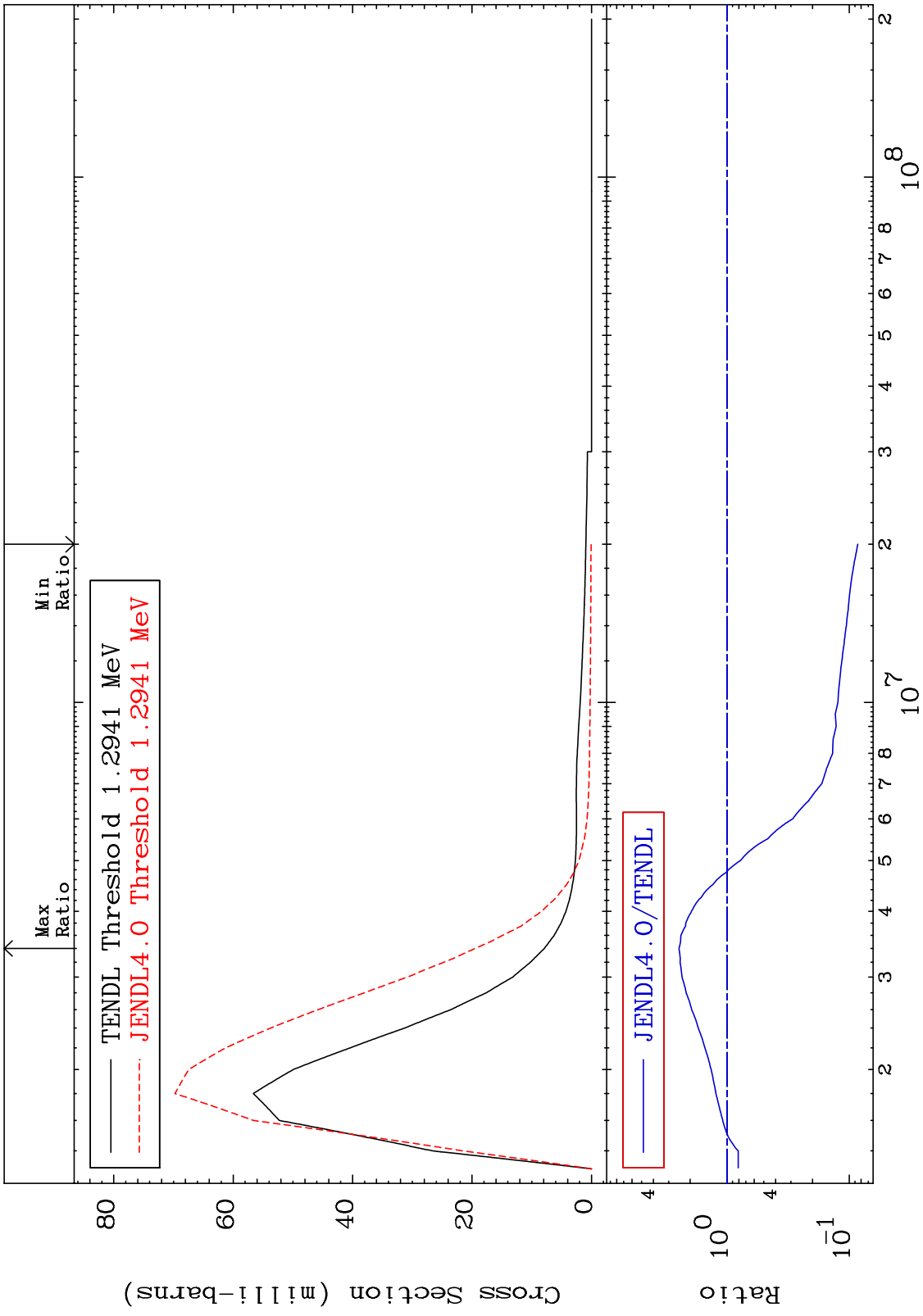
MAT 7037 MT= 60 (n,n') Level Cross Section 70-Yb-172 -98.61 To 133.3 %



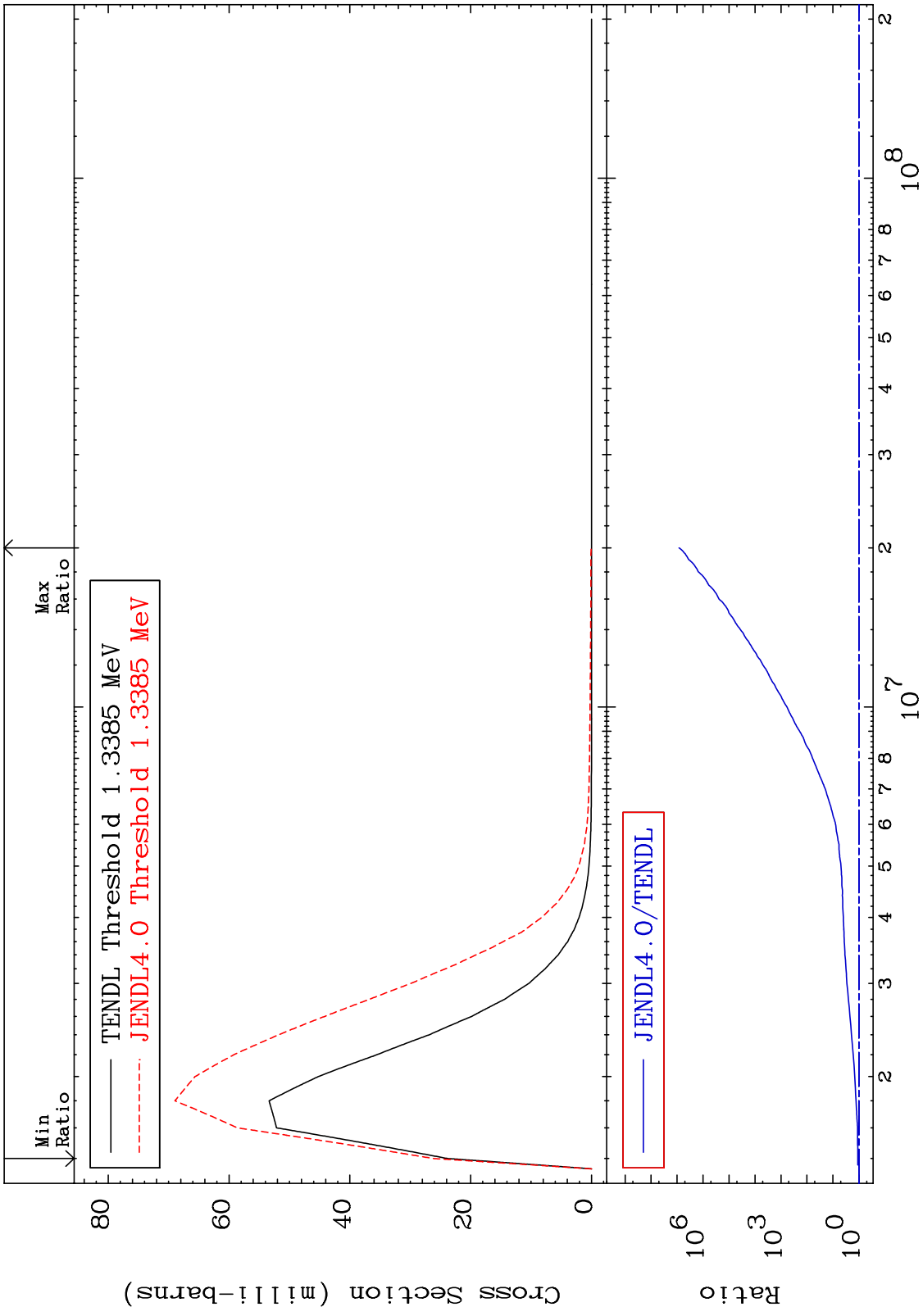
MAT 7037 MT= 61 (n,n') Level Cross Section 70-Yb-172  
 -91.49 To 146.9 %



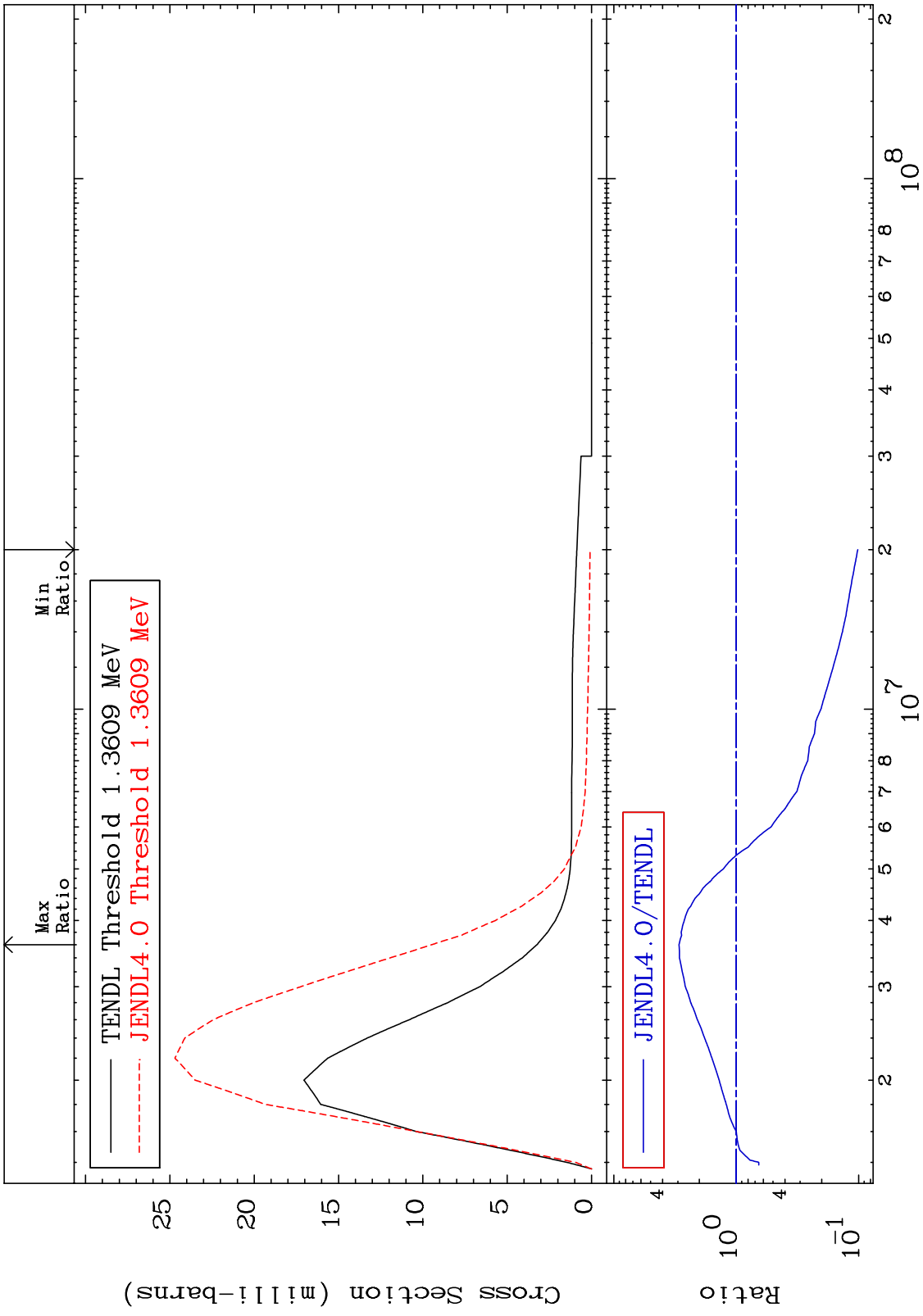
MAT 7037 MT= 62 (n,n') Level Cross Section 70-Yb-172  
 -91.49 To 146.8 %



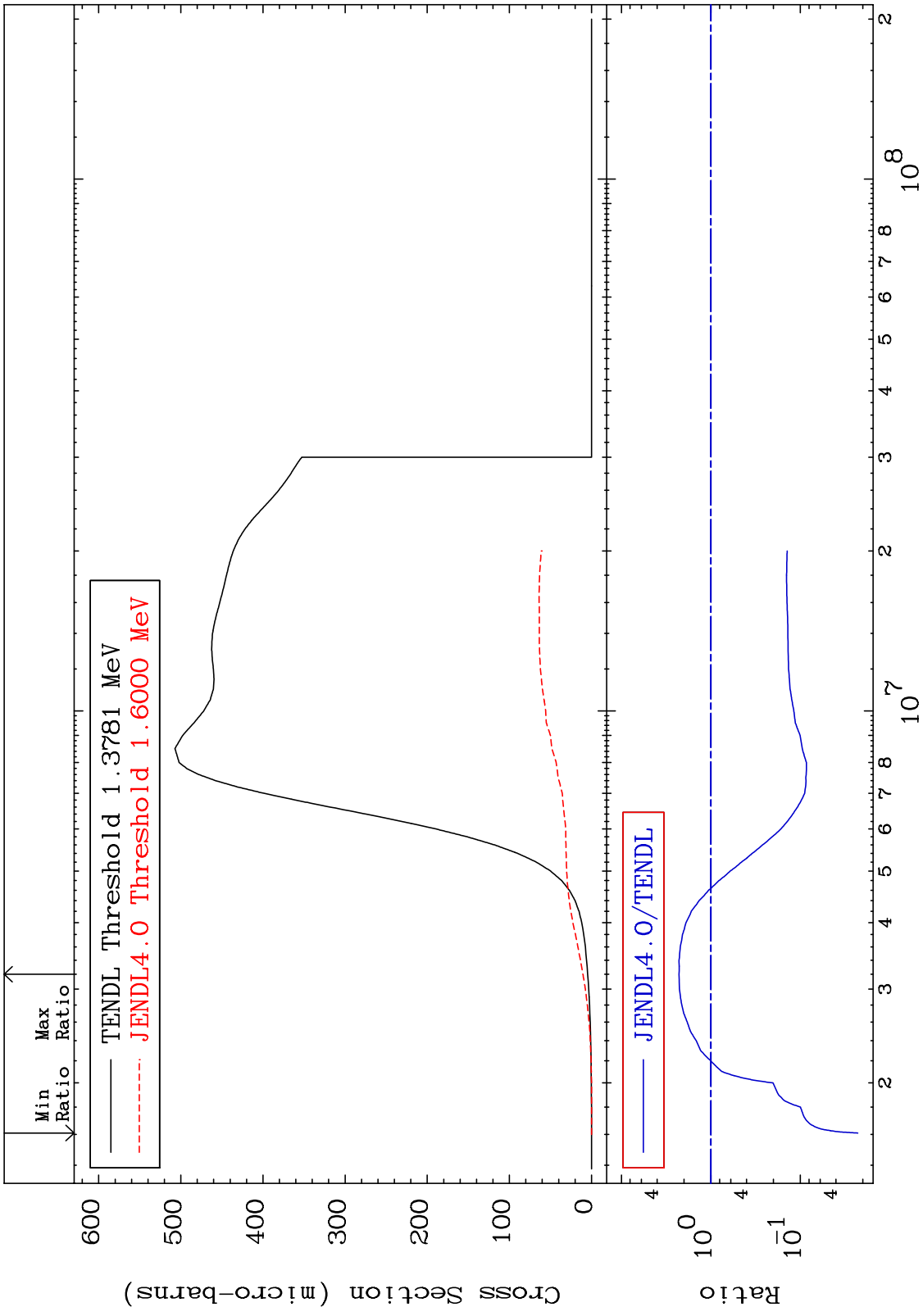
MAT 7037 MT= 63 (n,n') Level Cross Section 70-Yb-172 To 9999. %



MAT 7037 MT= 64 (n,n') Level Cross Section 70-Yb-172  
 -89.86 To 193.1 %

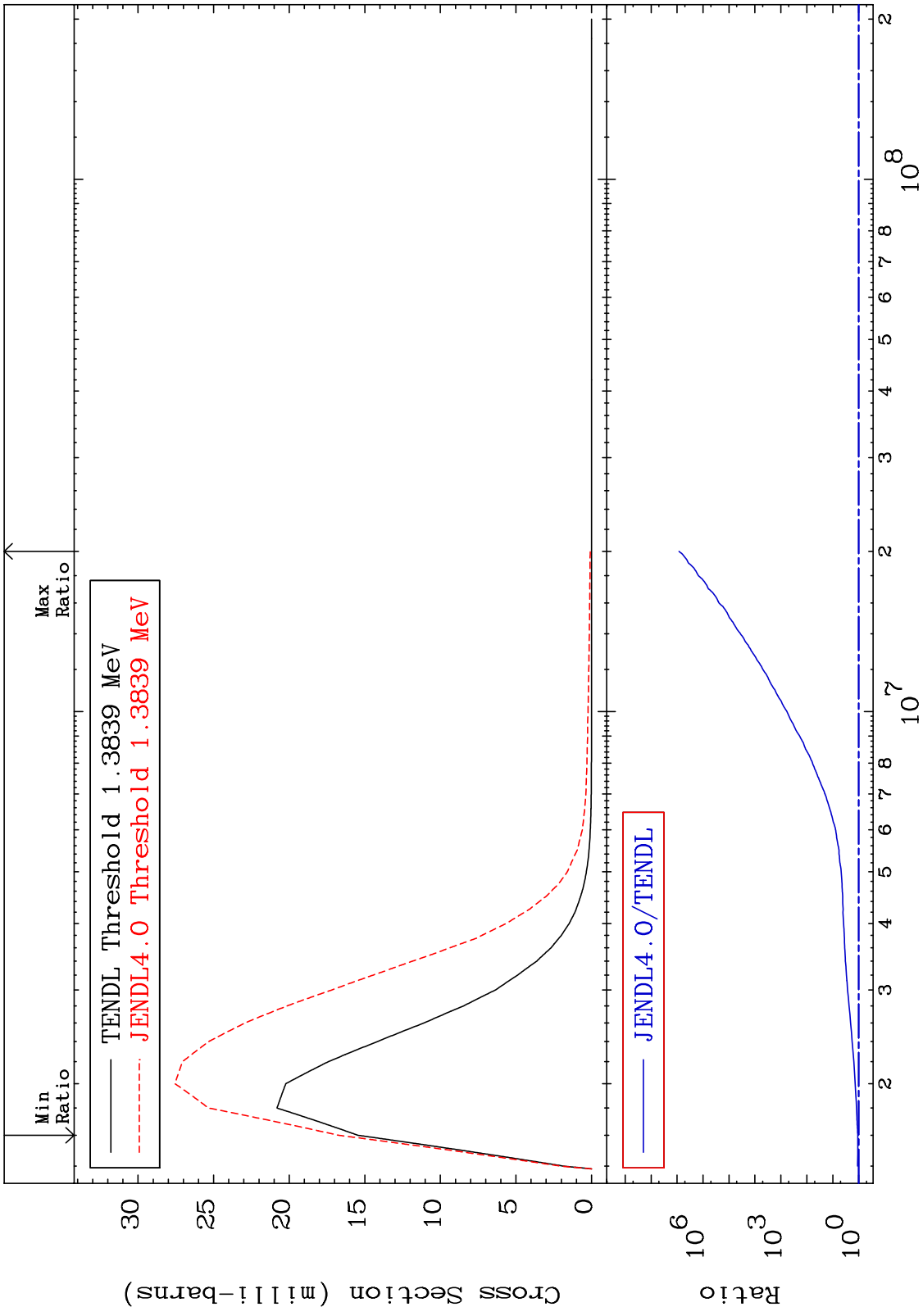


MAT 7037 MT= 65 (n,n') Level Cross Section 70-Yb-172  
 -97.73 To 126.9 %

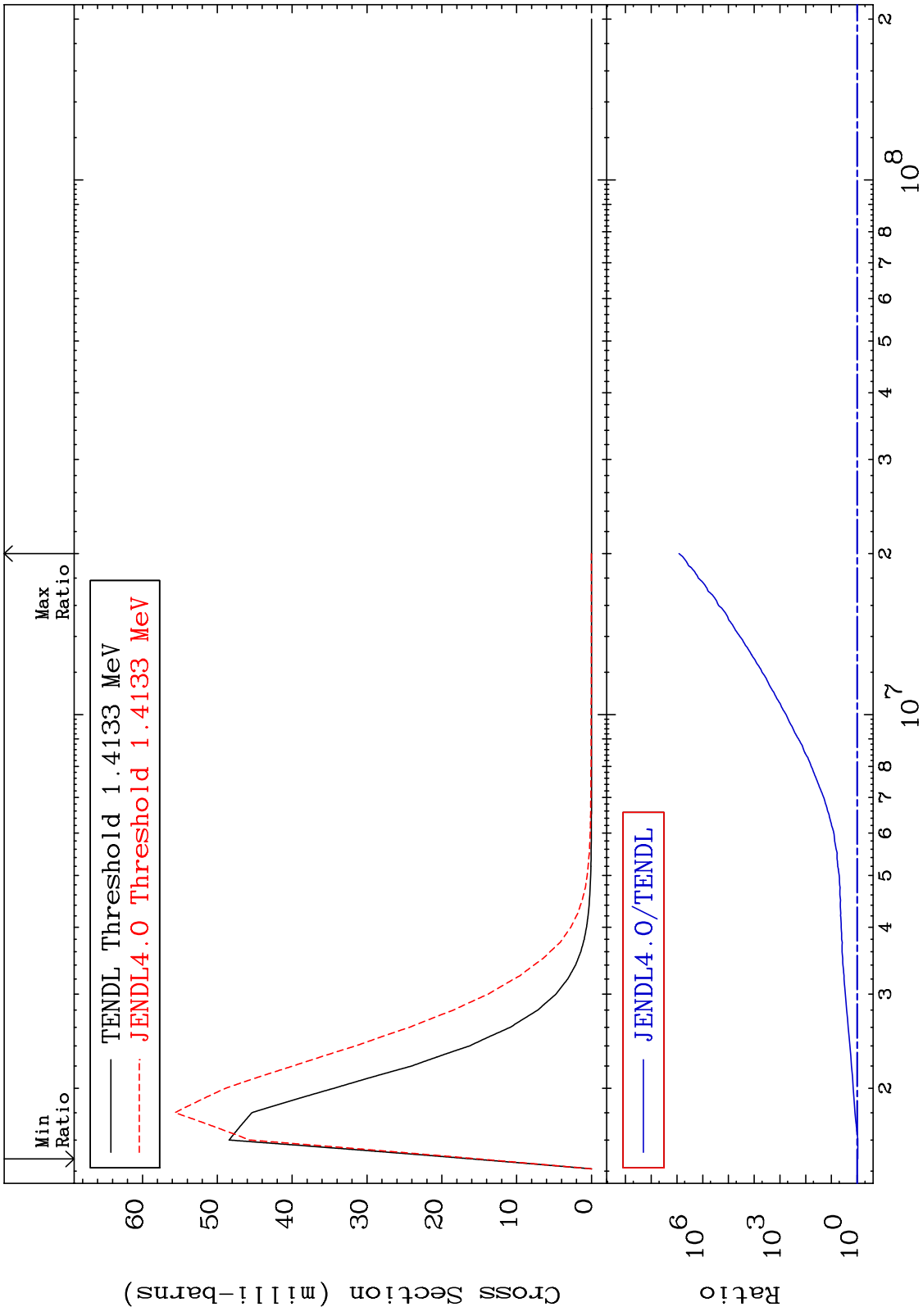




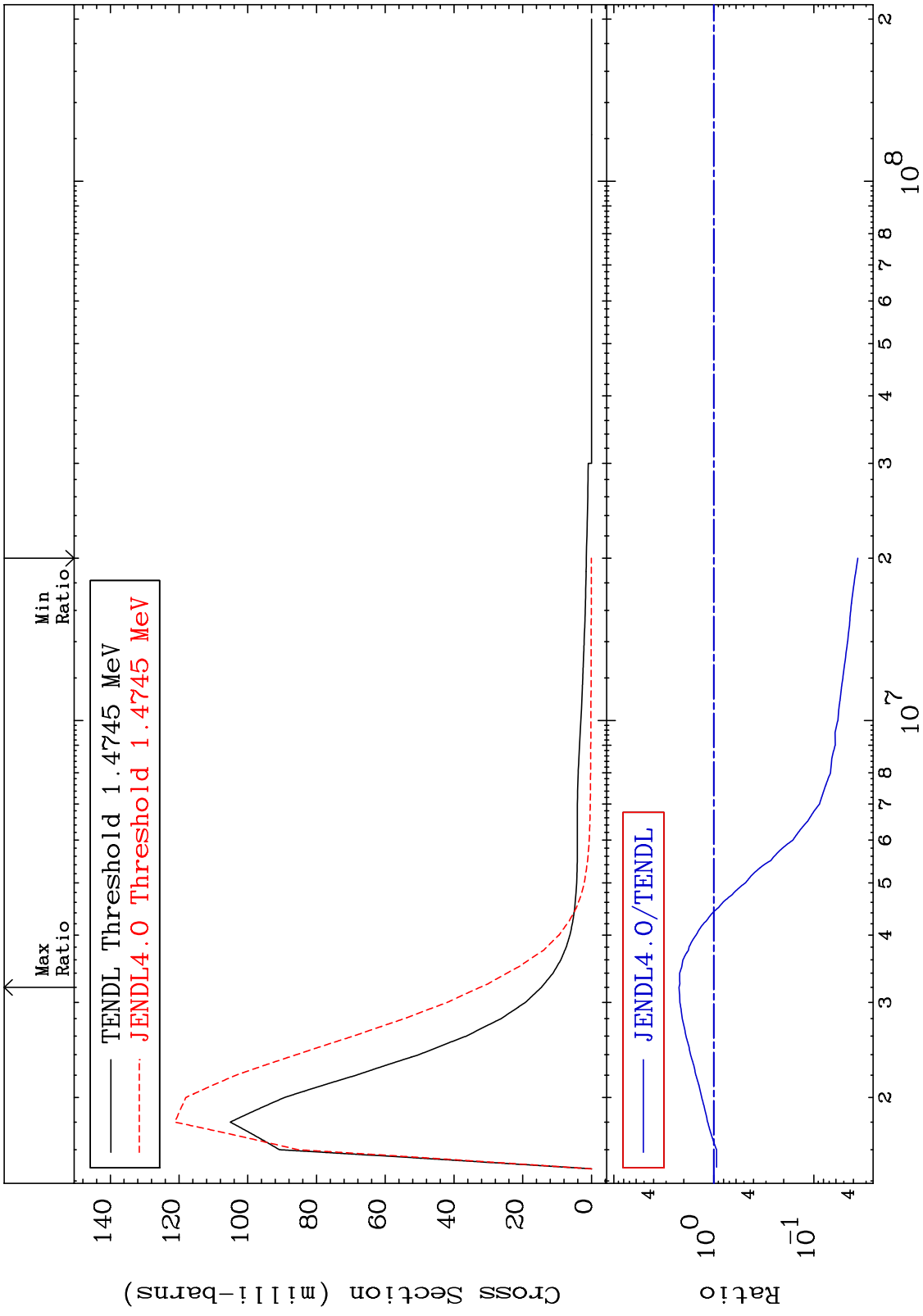
MAT 7037 MT= 66 (n,n') Level Cross Section 70-Yb-172 To 9999. %  
 8.193



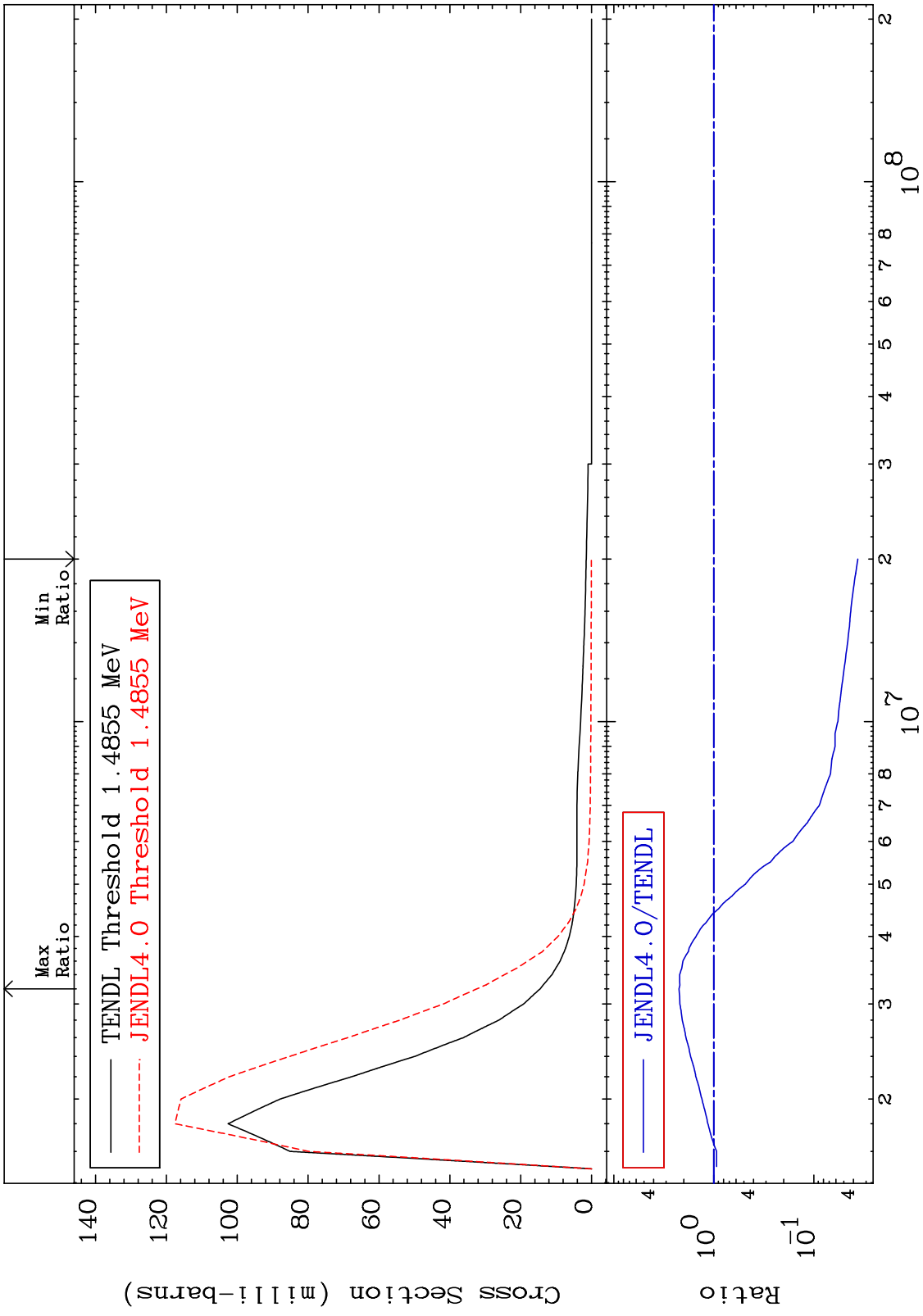
MAT 7037 MT= 67 (n,n') Level Cross Section 70-Yb-172  
 -5.667 To 9999. %



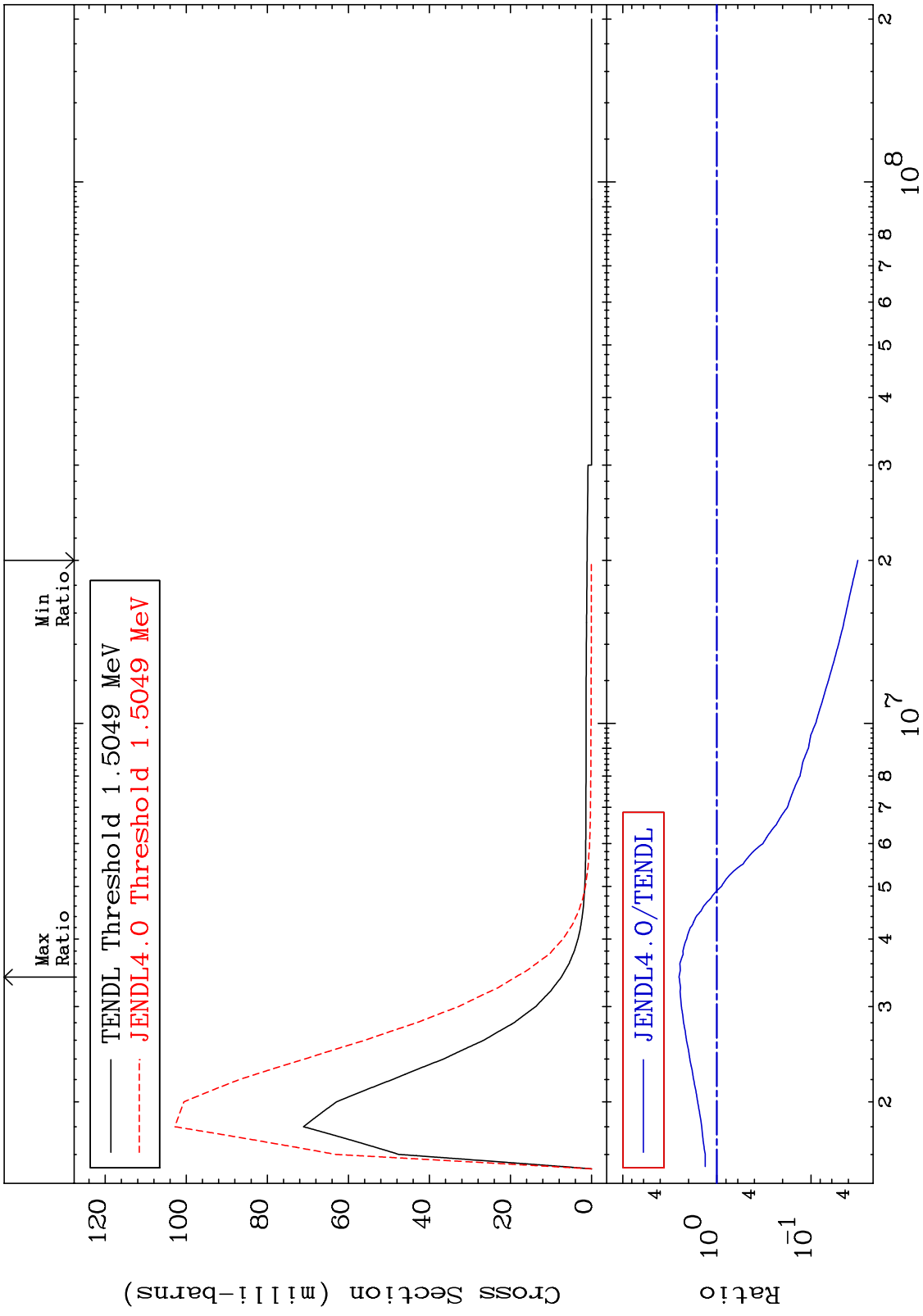
MAT 7037 MT= 68 (n,n') Level Cross Section 70-Yb-172 -96.38 To 122.9 %



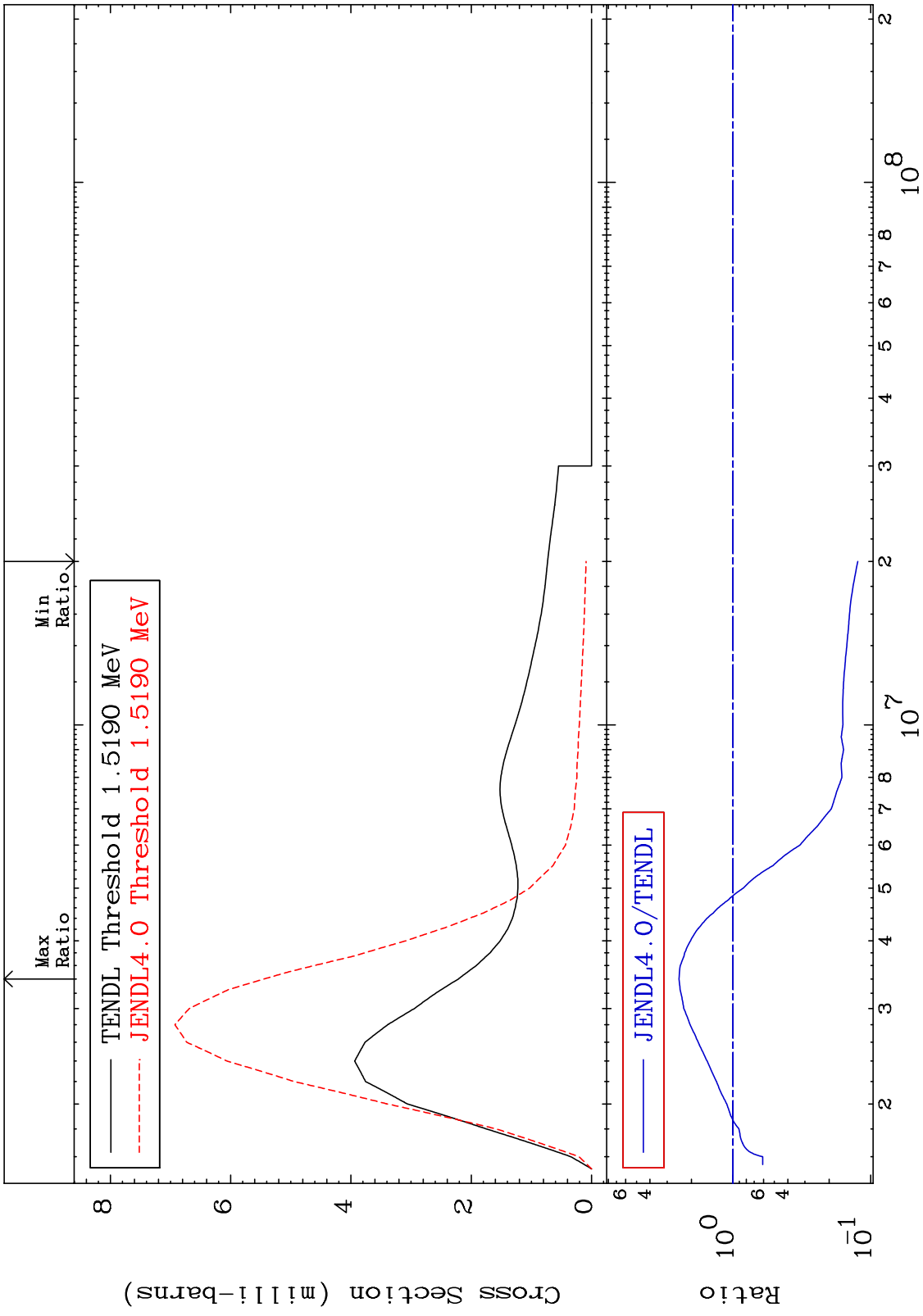
MAT 7037 MT= 69 (n,n') Level Cross Section 70-Yb-172 -96.38 To 122.8 %



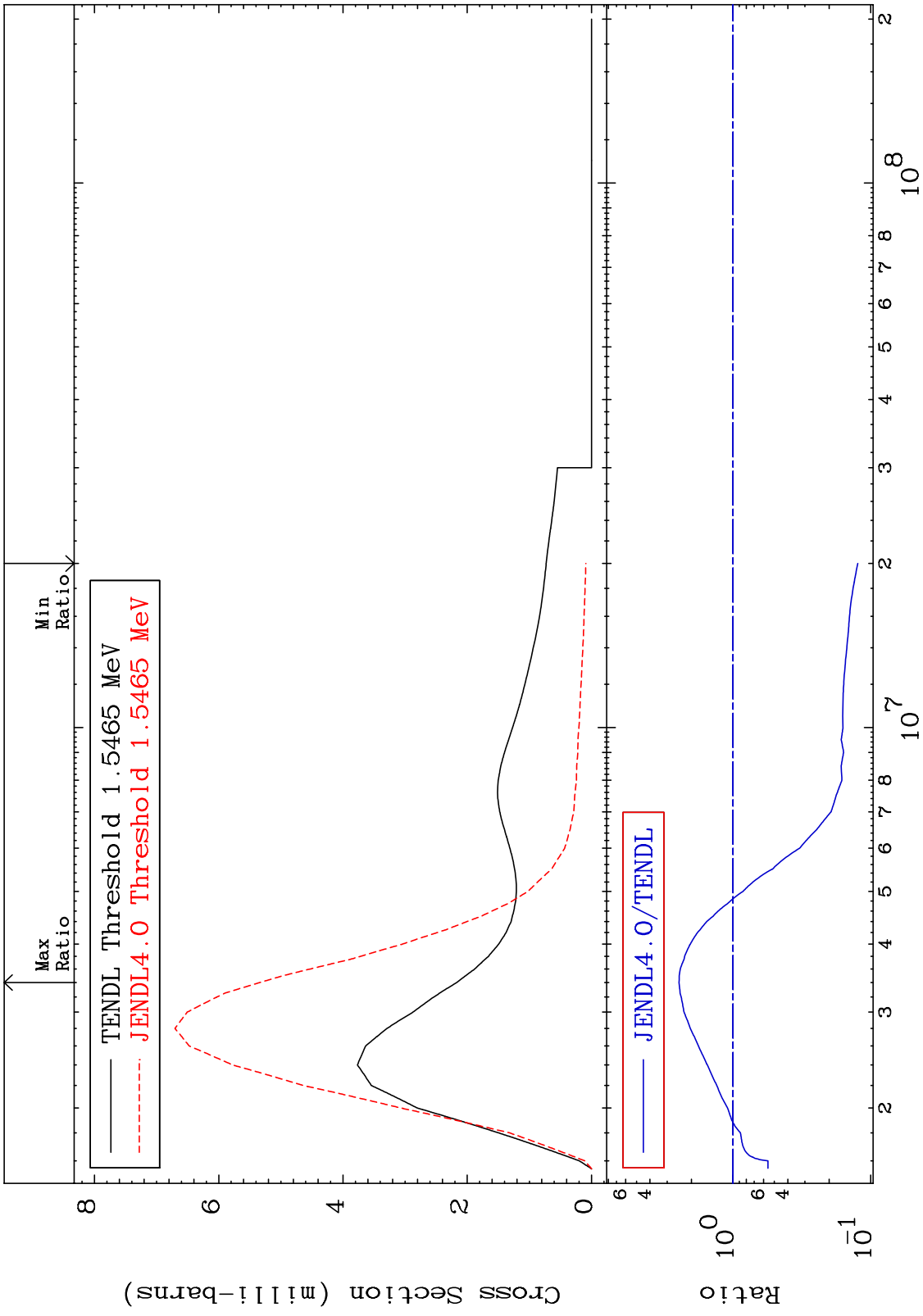
MAT 7037 MT= 70 (n,n') Level Cross Section 70-Yb-172 -96.82 To 152.2 %



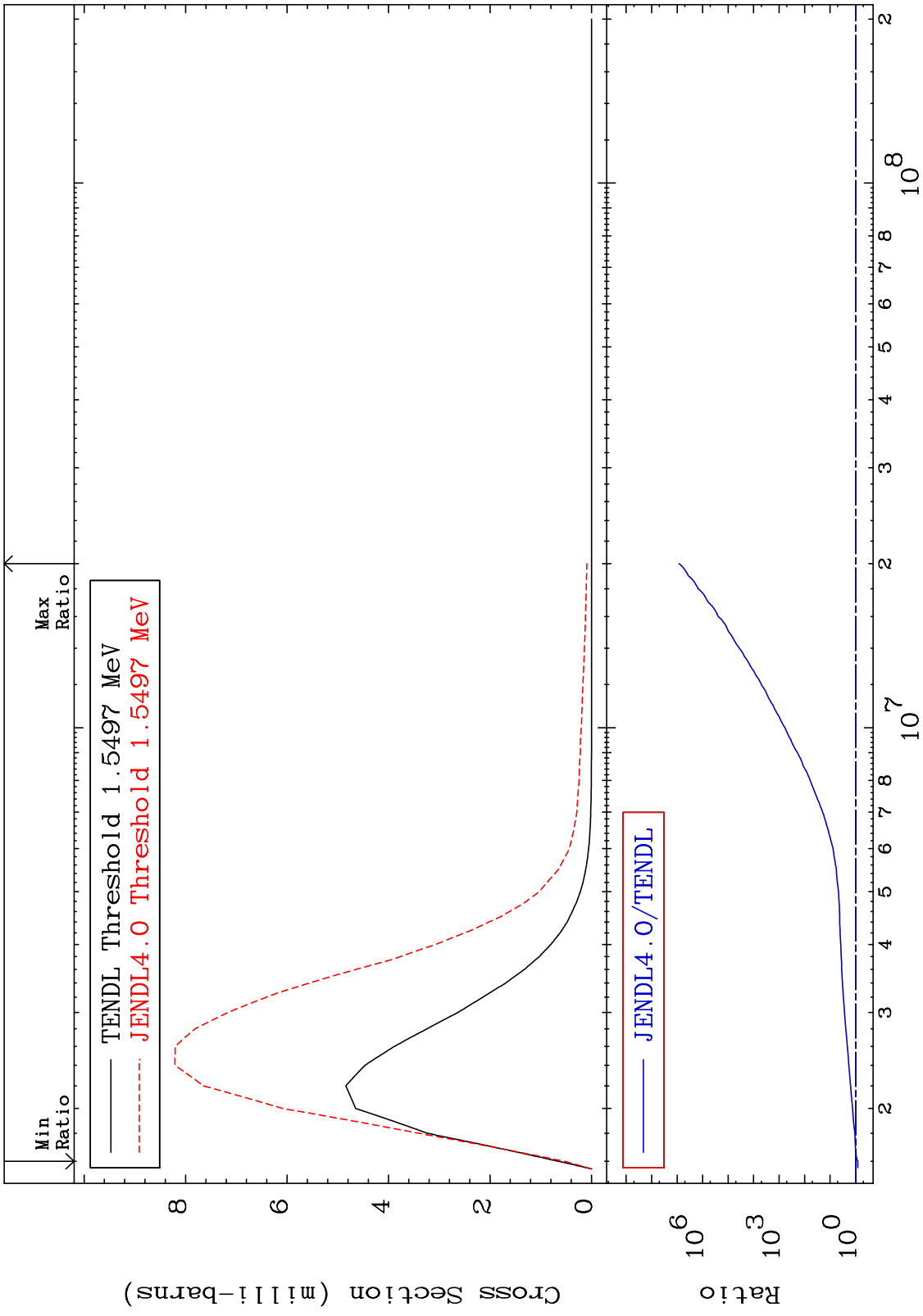
MAT 7037 MT= 71 (n,n') Level Cross Section -87.60 To 145.9 % 70-Yb-172



MAT 7037 MT= 72 (n,n') Level Cross Section 70-Yb-172  
 -87.60 To 145.9 %

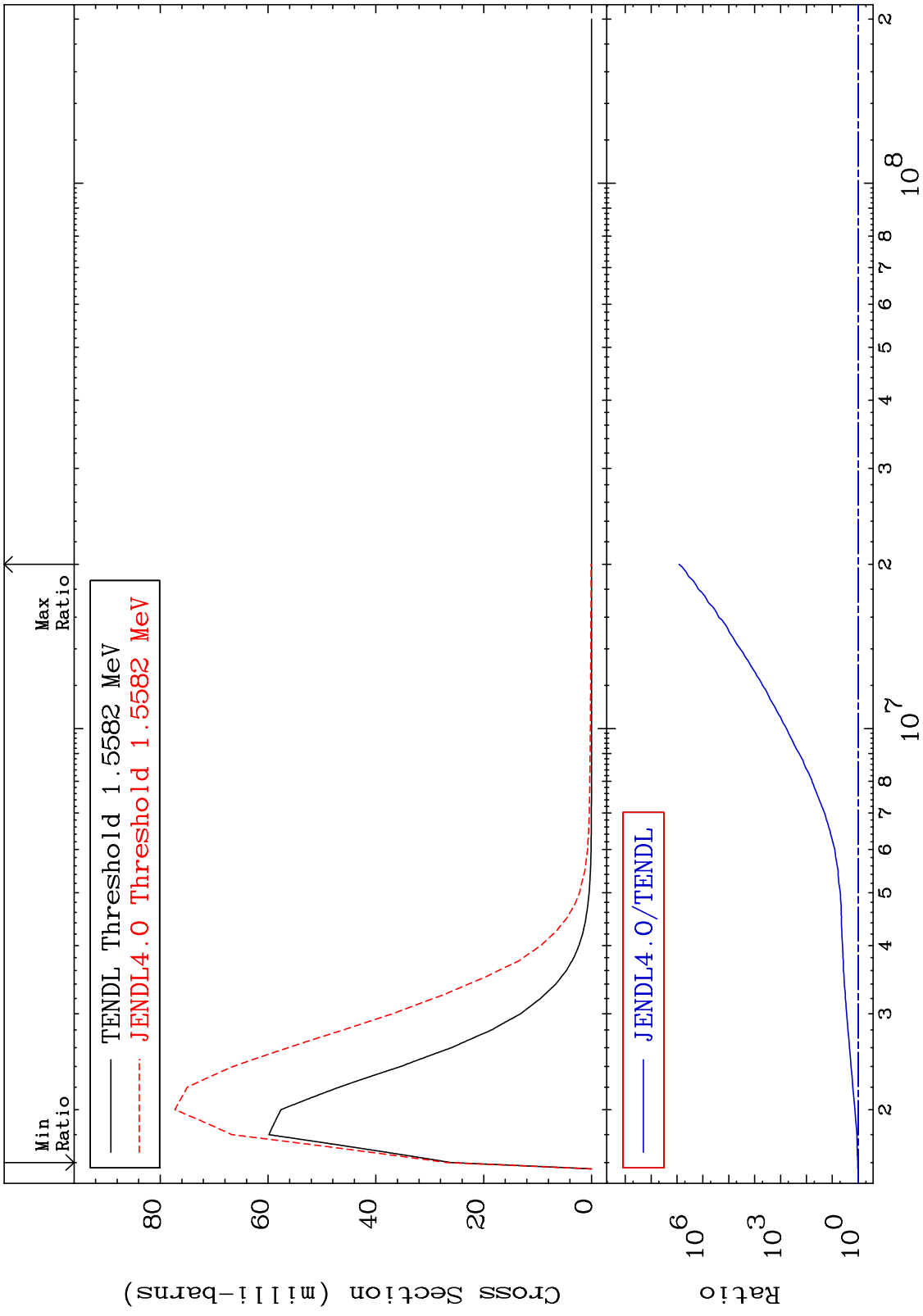


MAT 7037 MT= 73 (n,n') Level Cross Section 70-Yb-172  
 -18.47 To 9999. %

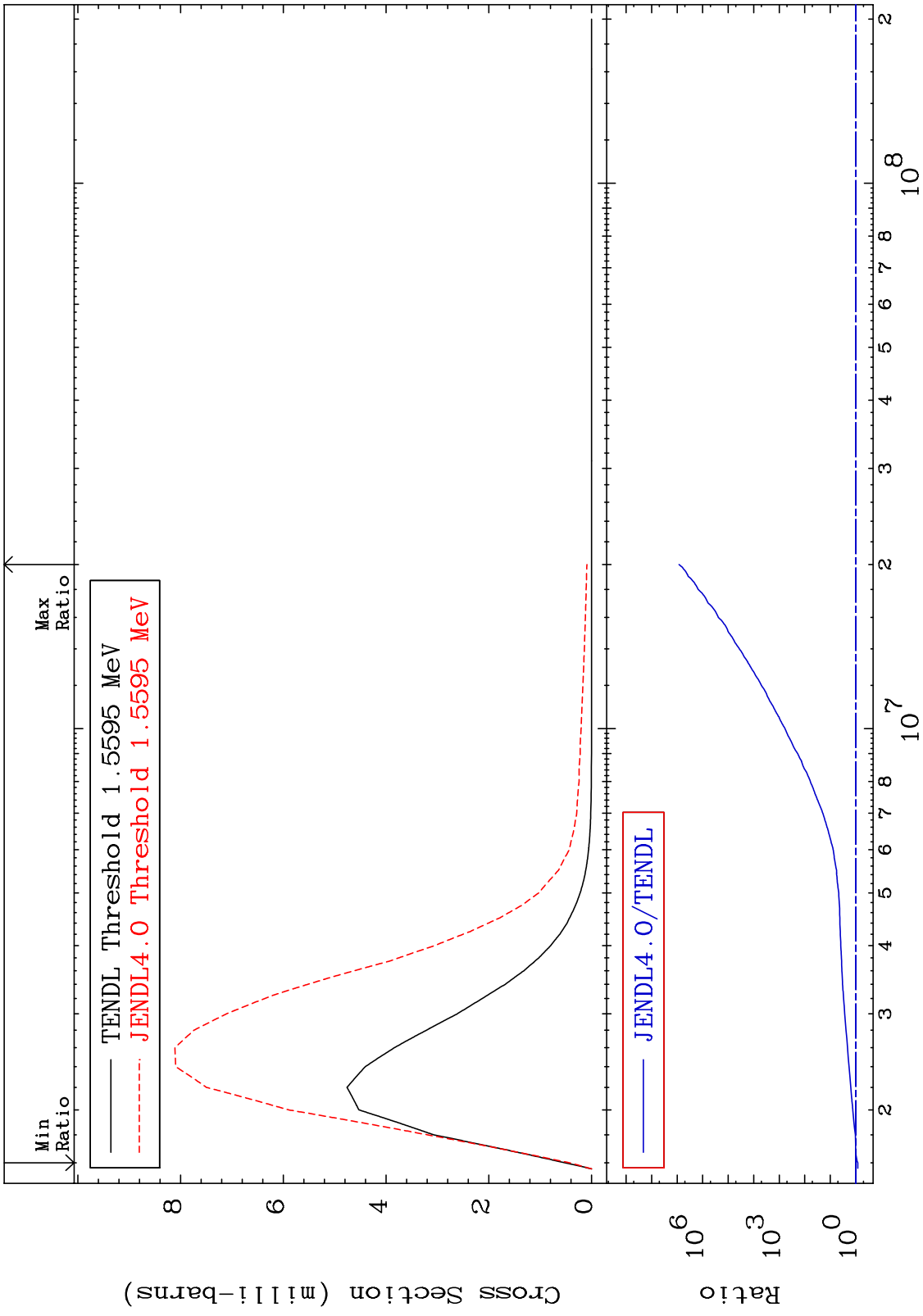




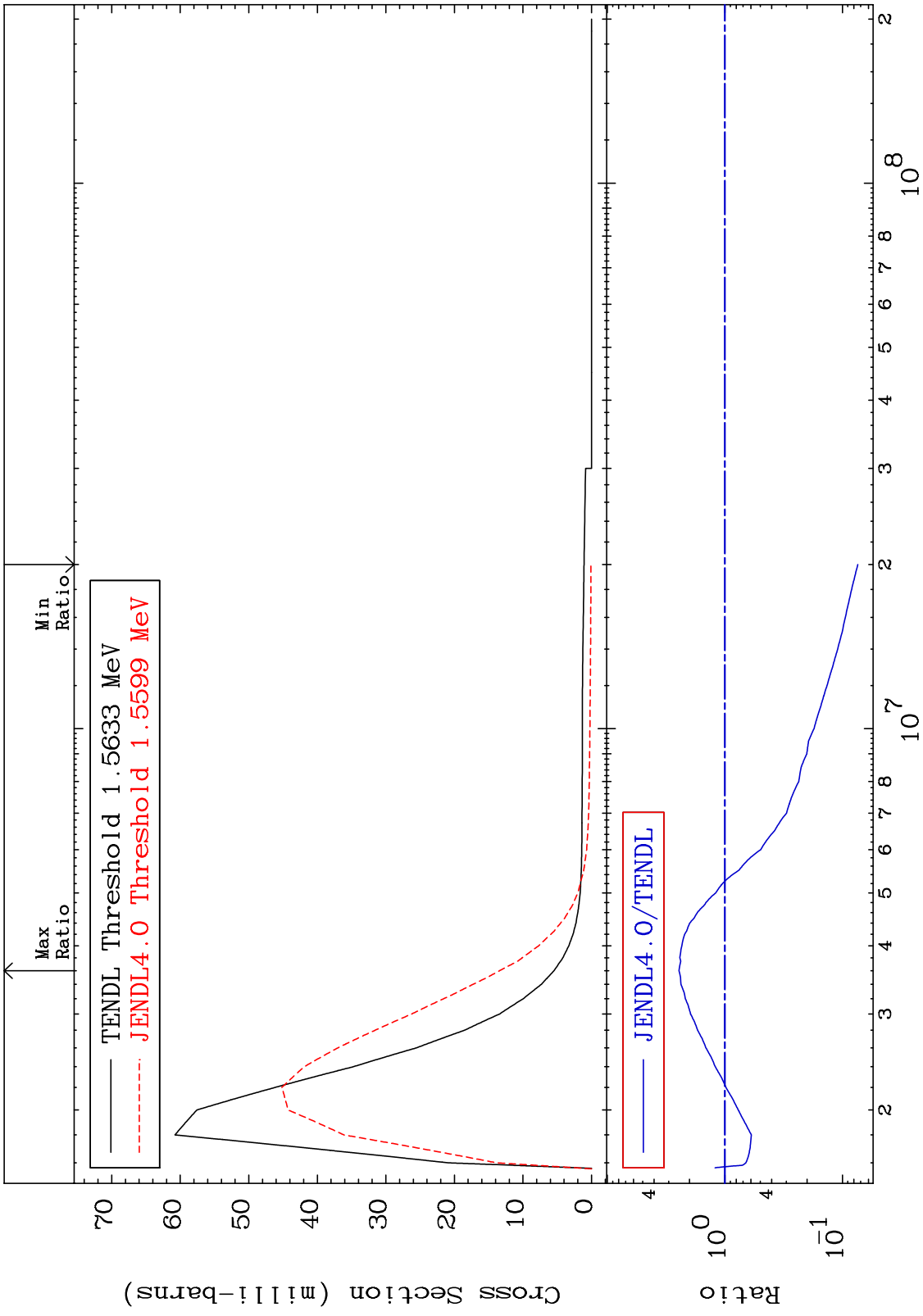
MAT 7037 MT= 74 (n,n') Level Cross Section 70-Yb-172 To 9999. %  
 2.918



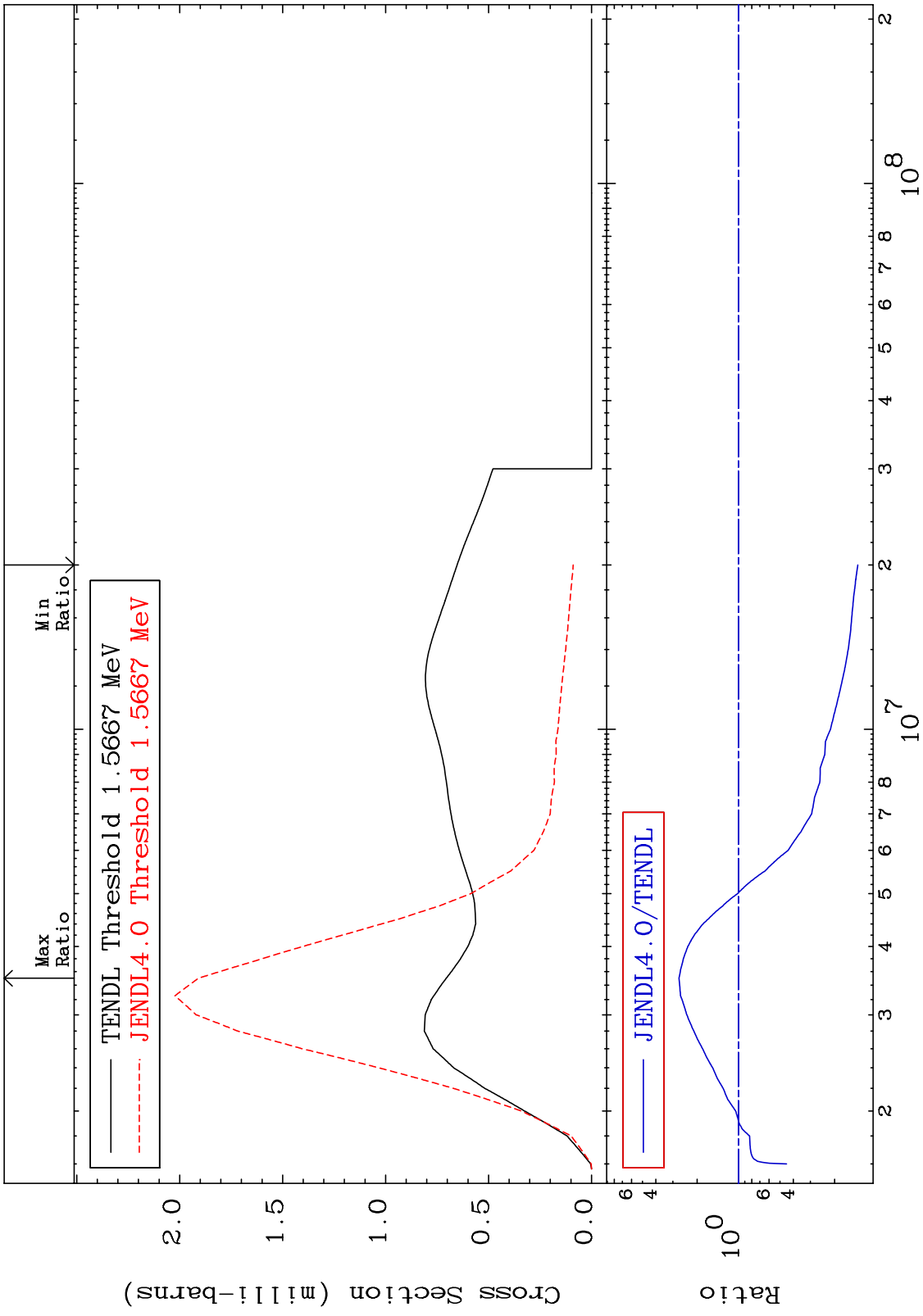
MAT 7037 MT= 75 (n,n') Level Cross Section -17.17 To 9999. % 70-Yb-172



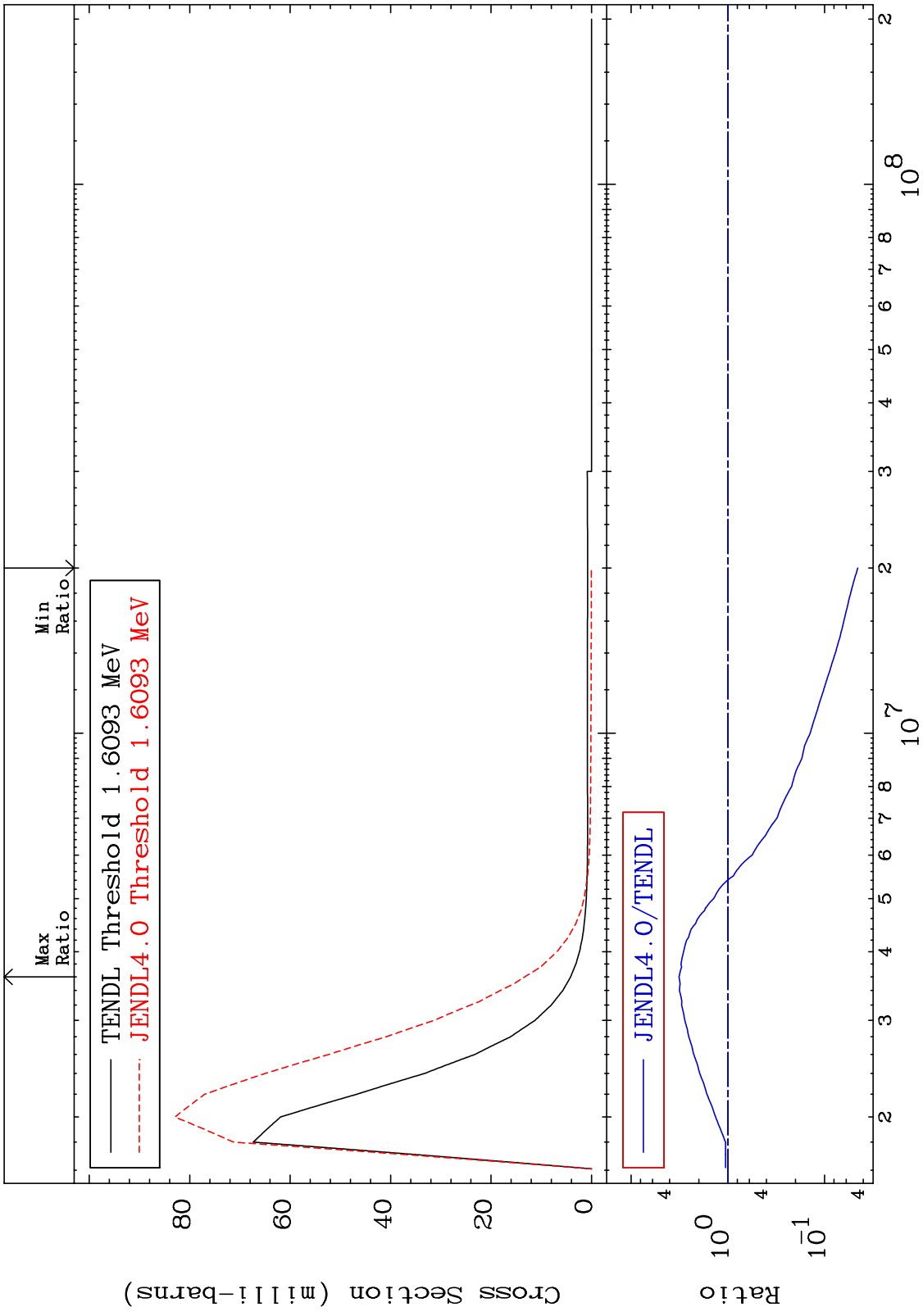
MAT 7037 MT= 76 (n,n') Level Cross Section 70-Yb-172 -92.61 To 145.4 %



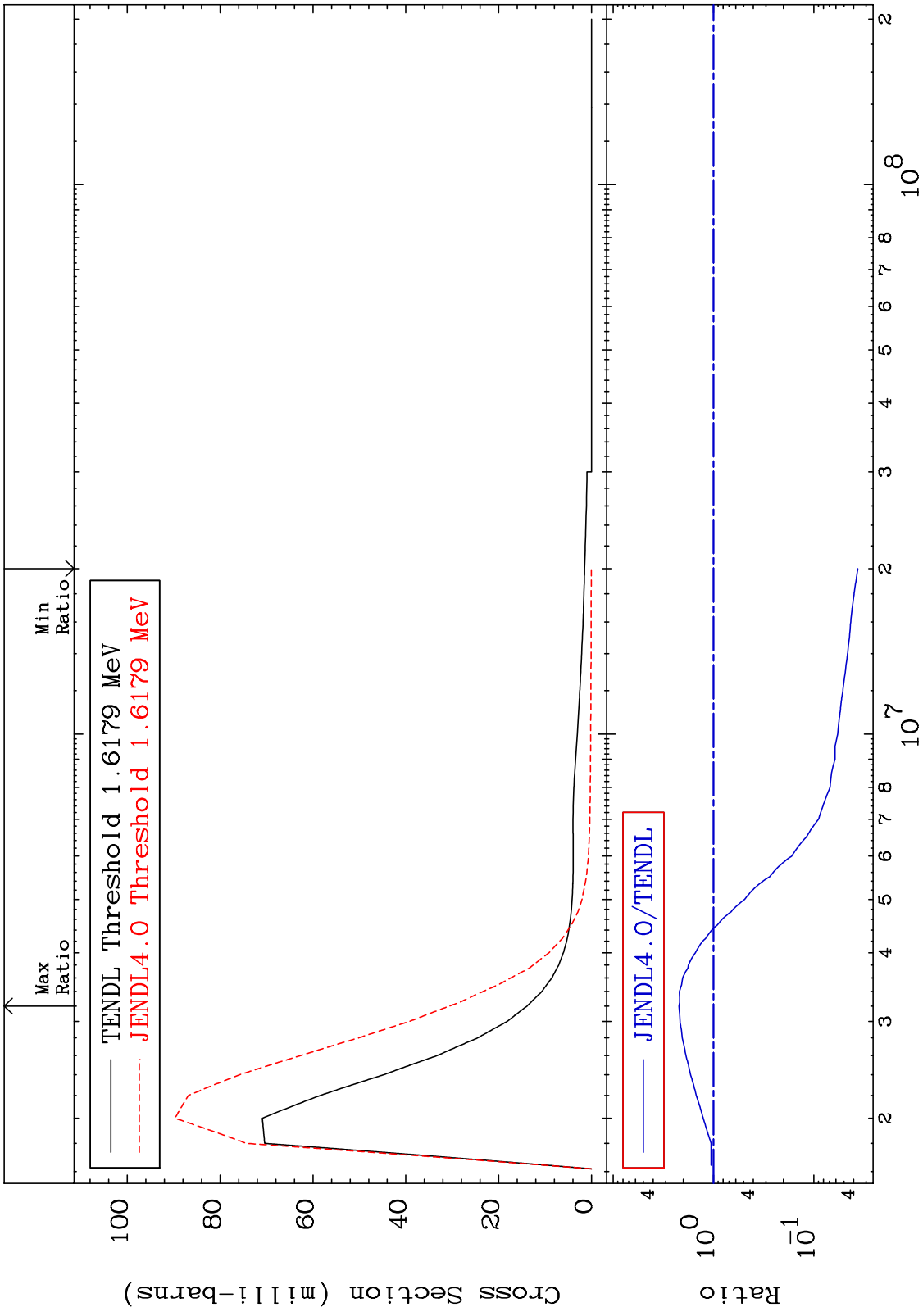
MAT 7037 MT= 77 (n,n') Level Cross Section 70-Yb-172 -86.44 To 170.6 %



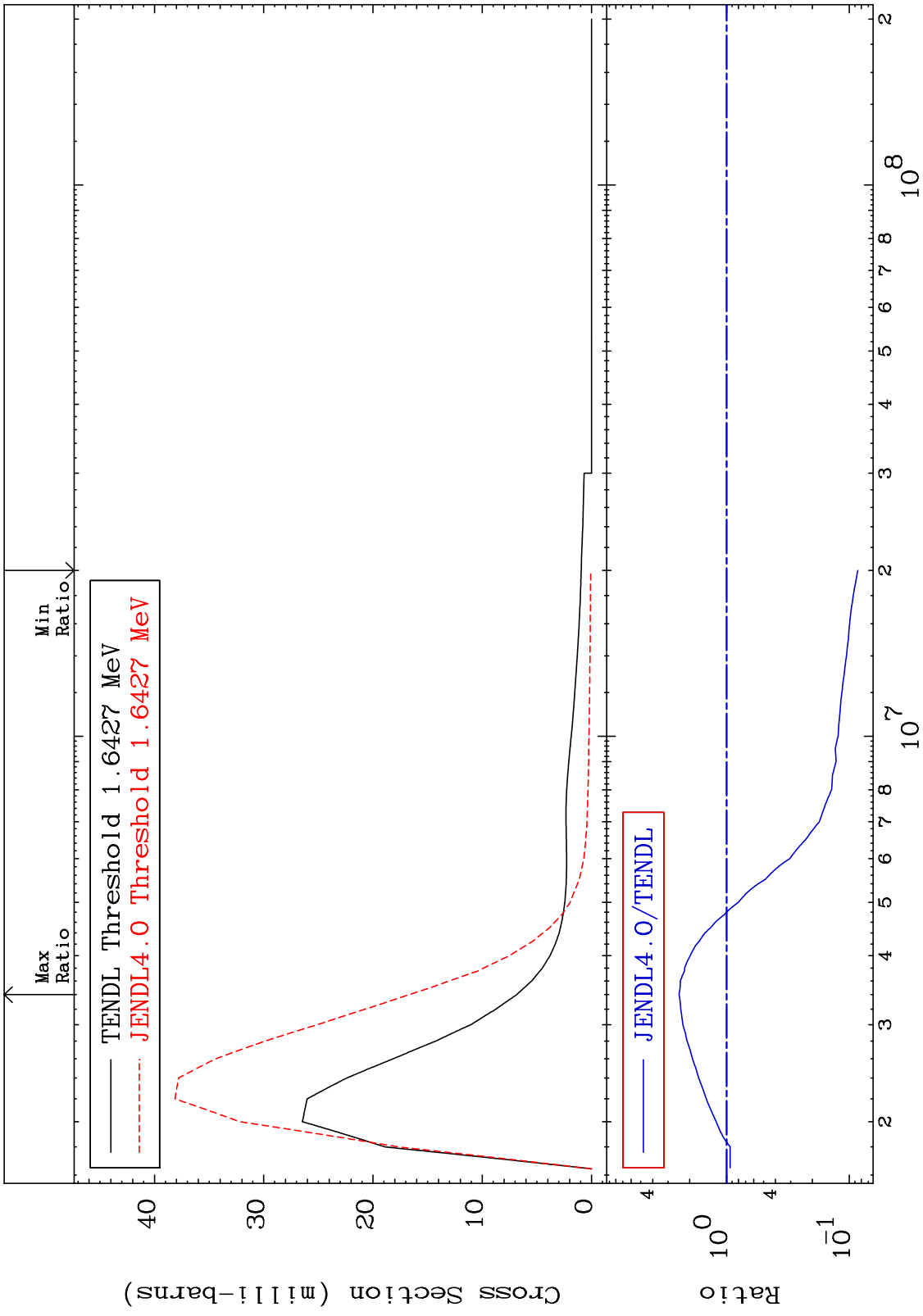
MAT 7037 MT= 78 (n,n') Level Cross Section 70-Yb-172  
 -95.46 To 219.7 %



MAT 7037 MT= 79 (n,n') Level Cross Section 70-Yb-172  
 -96.37 To 120.6 %



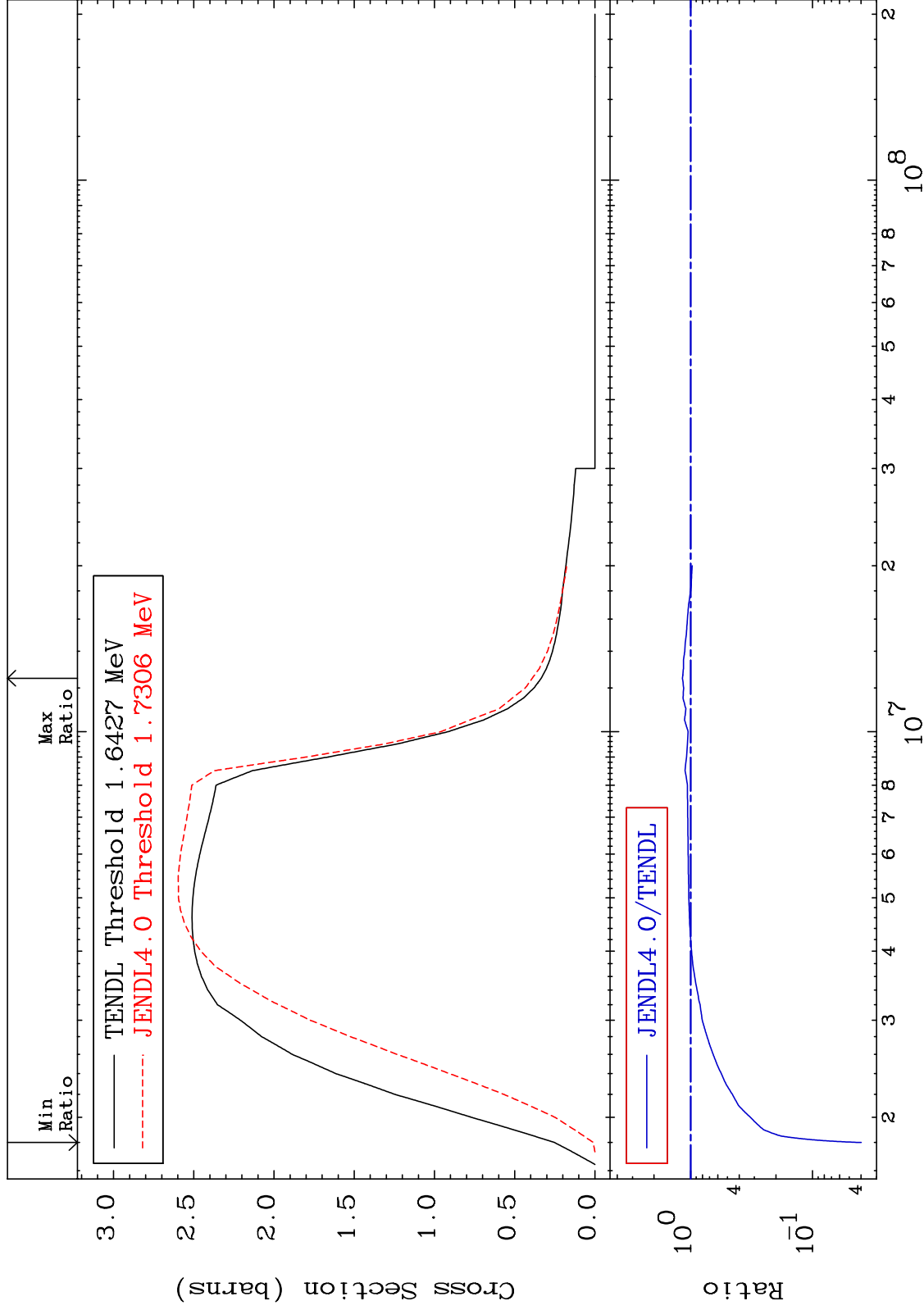
MAT 7037 MT= 80 (n,n') Level Cross Section 70-Yb-172 -91.47 To 143.9 %



MAT 7037

(n, n') Continuum  
Cross Section

70-Yb-172  
-96.02 To 16.81 %





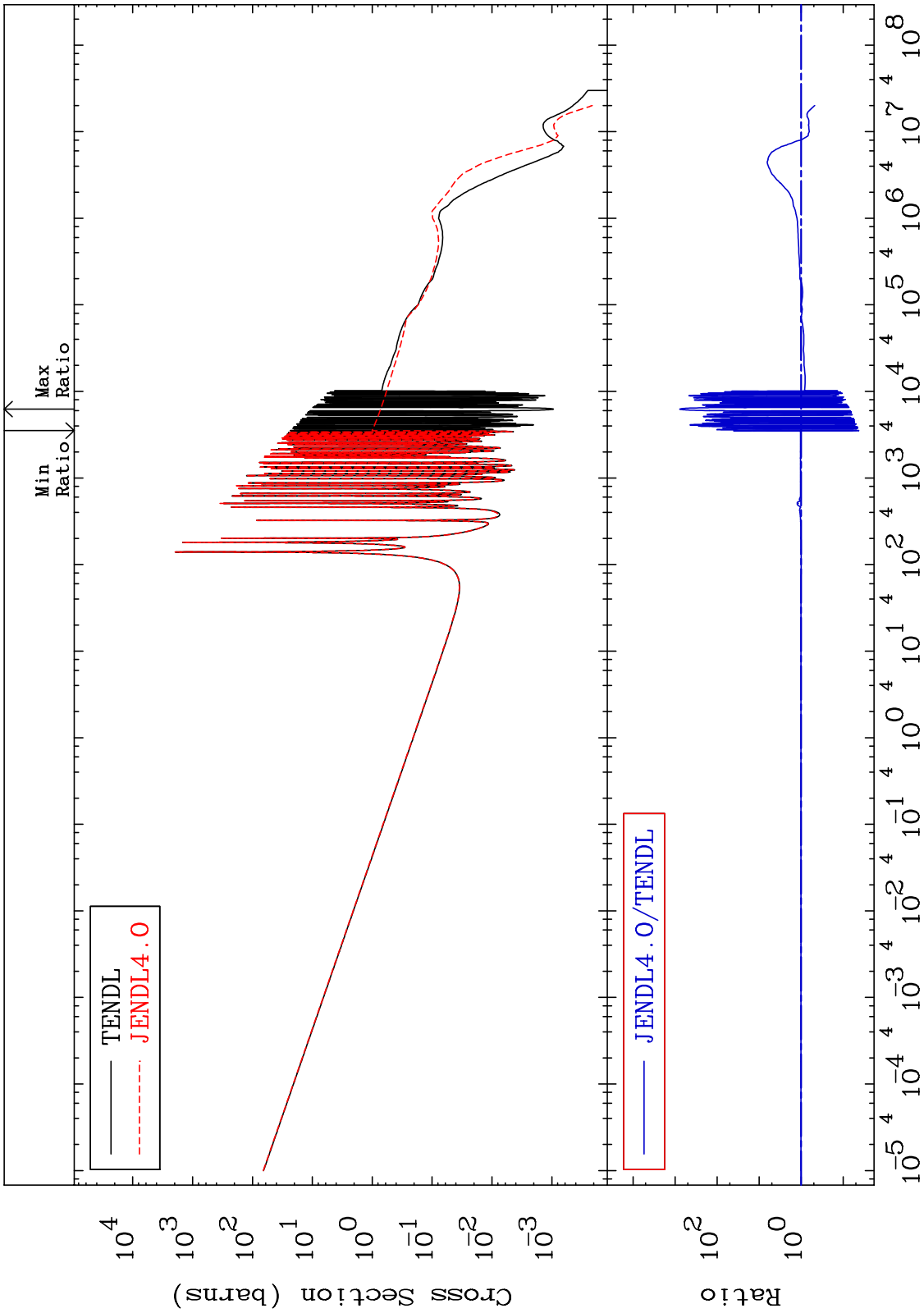
MAT 7037

(n,  $\gamma$ )

70-Yb-172

Cross Section

-95.73 To 9999. %

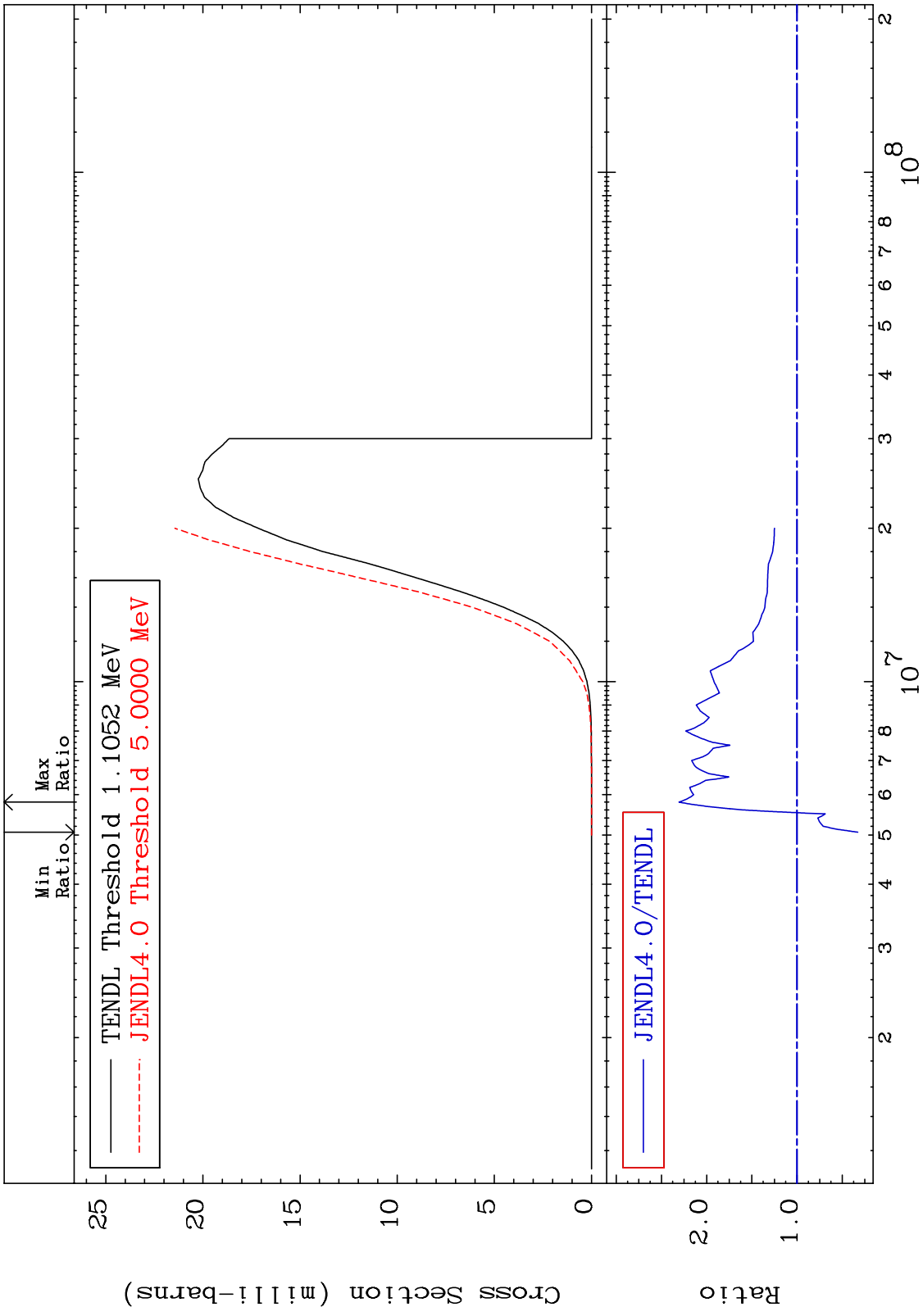


40

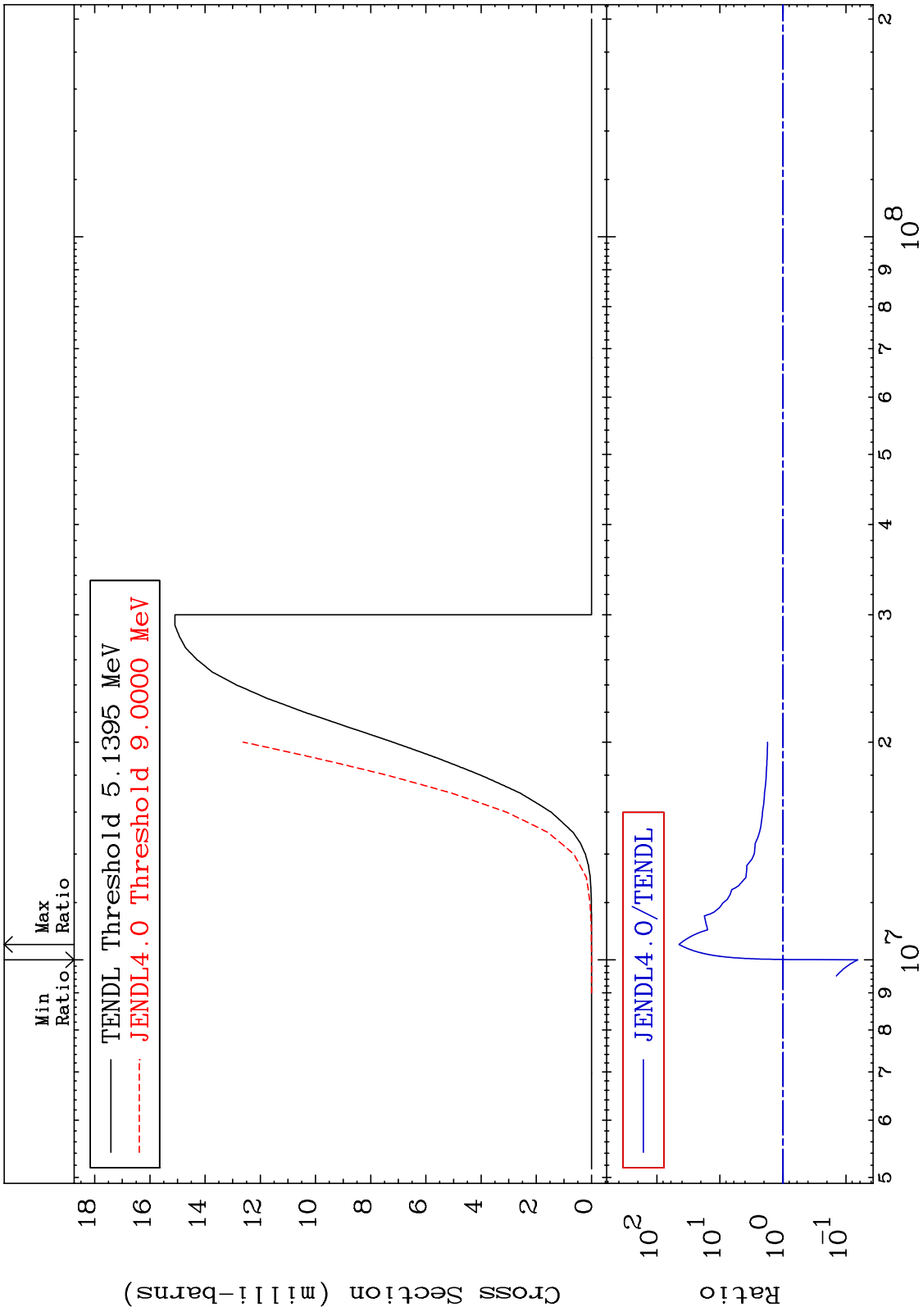
Incident Energy (eV)

70-Yb-172

MAT 7037 (n,p) Cross Section 70-Yb-172  
 -67.21 To 130.5 %

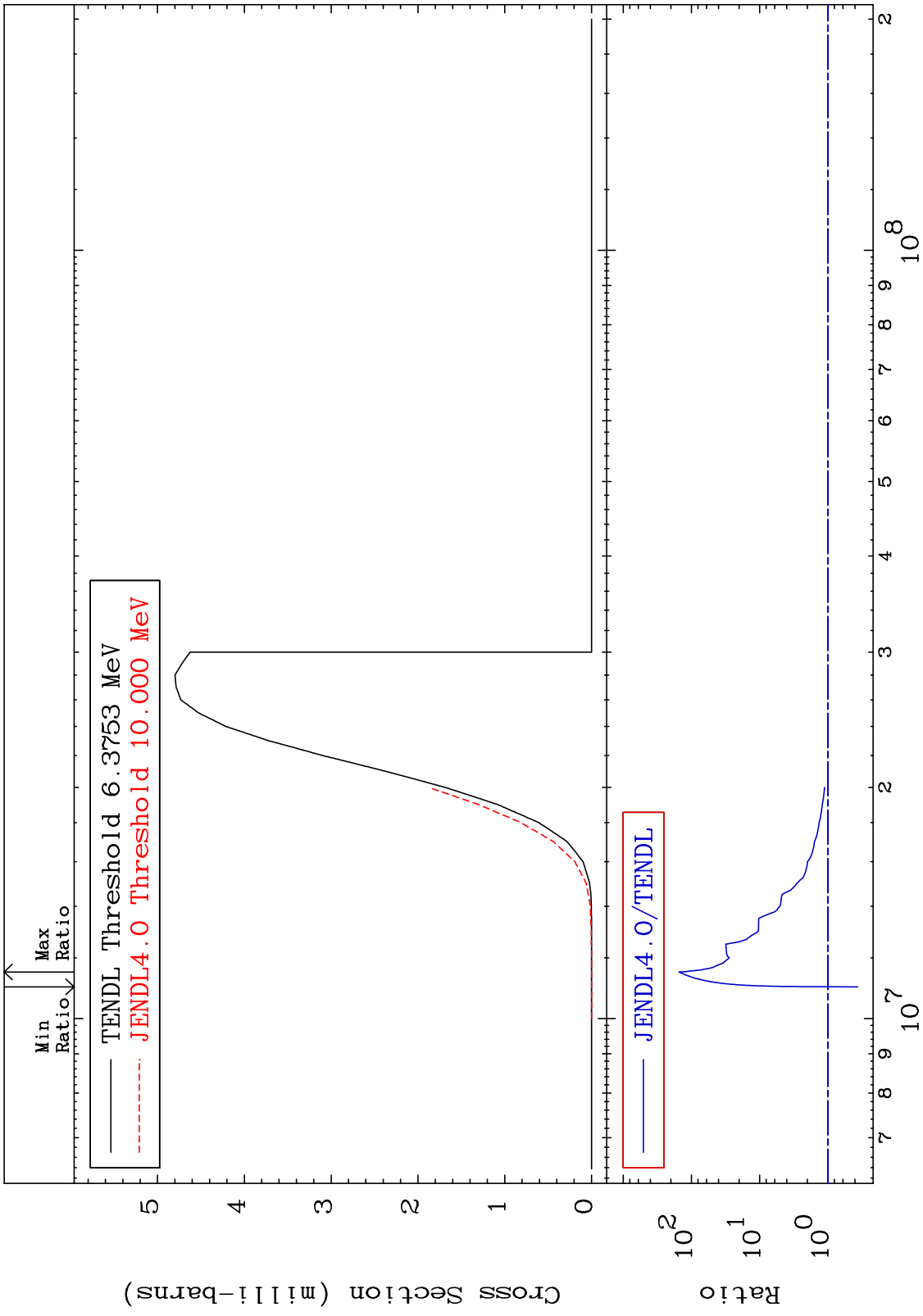


MAT 7037 (n,d) 70-Yb-172  
 Cross Section -93.51 To 4351. %



42 Incident Energy (eV) 70-Yb-172

MAT 7037 (n,t) 70-Yb-172  
 Cross Section -63.71 To 9999. %



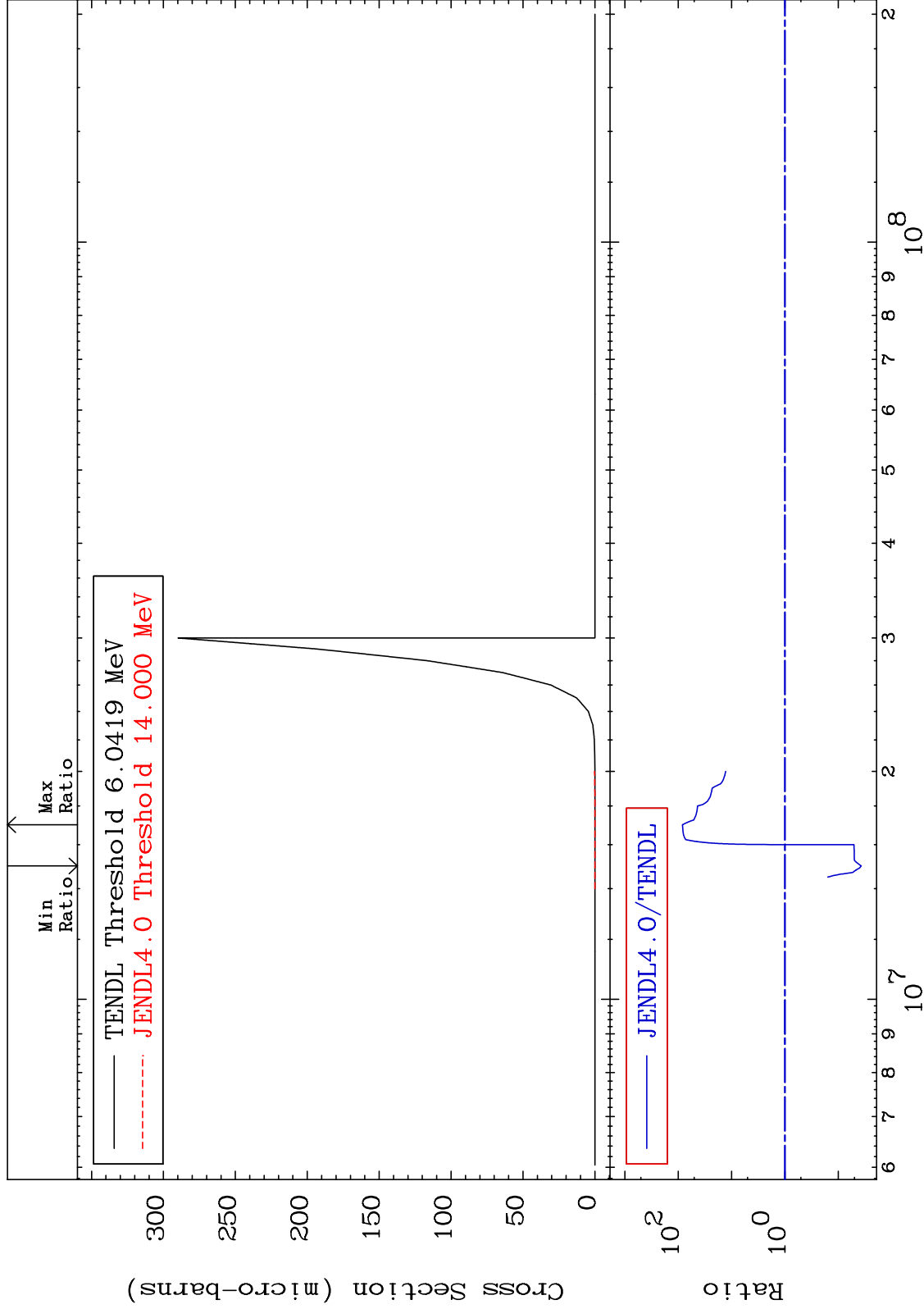
MAT 7037

(n, He-3)

70-Yb-172

Cross Section

-96.29 To 8211. %



44

Incident Energy (eV)

70-Yb-172

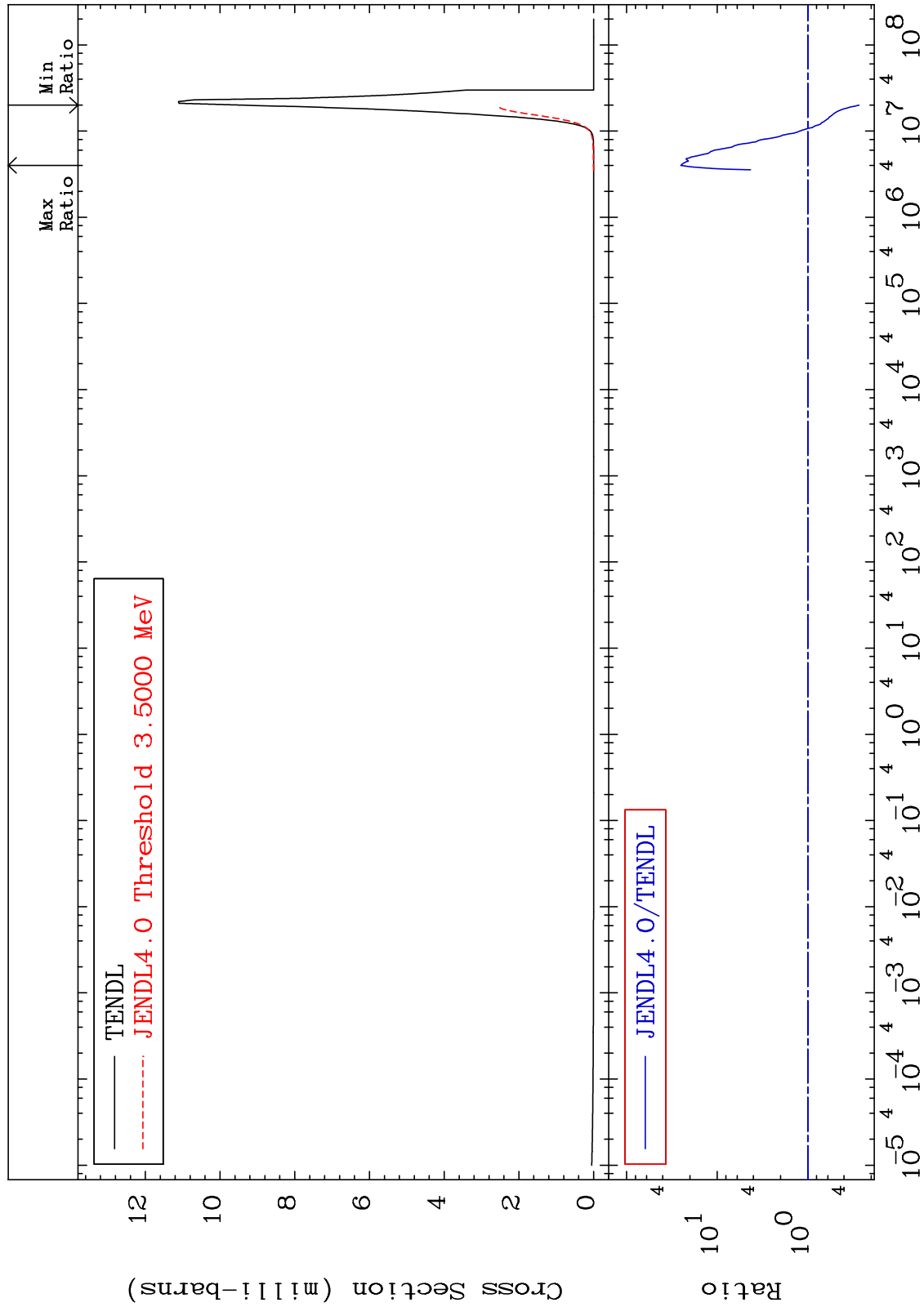
MAT 7037

(n,  $\alpha$ )

70-Yb-172

Cross Section

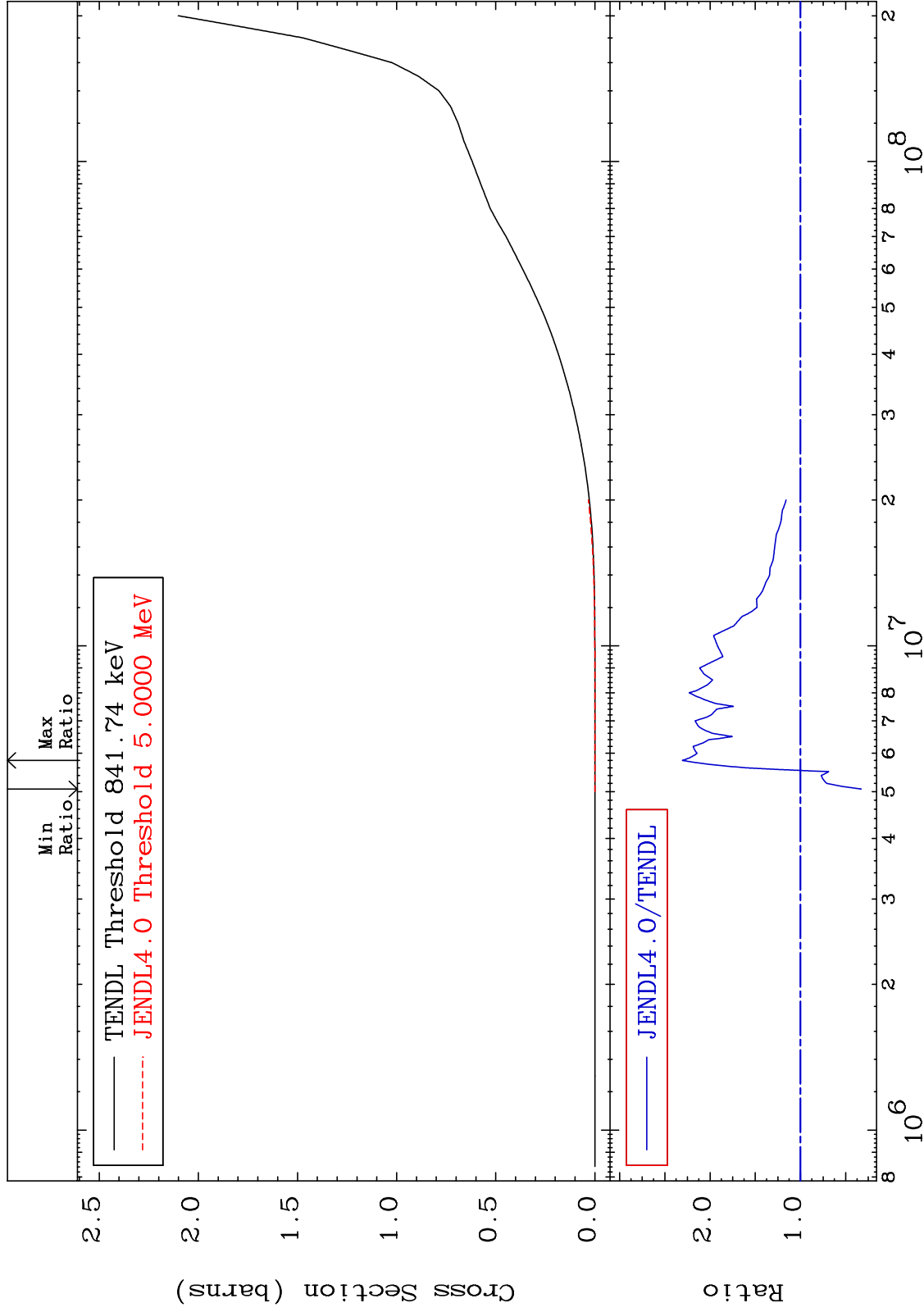
-72.79 To 2418. %



MAT 7037

Hydrogen Production  
Cross Section

70-Yb-172  
-67.21 To 130.5 %



46

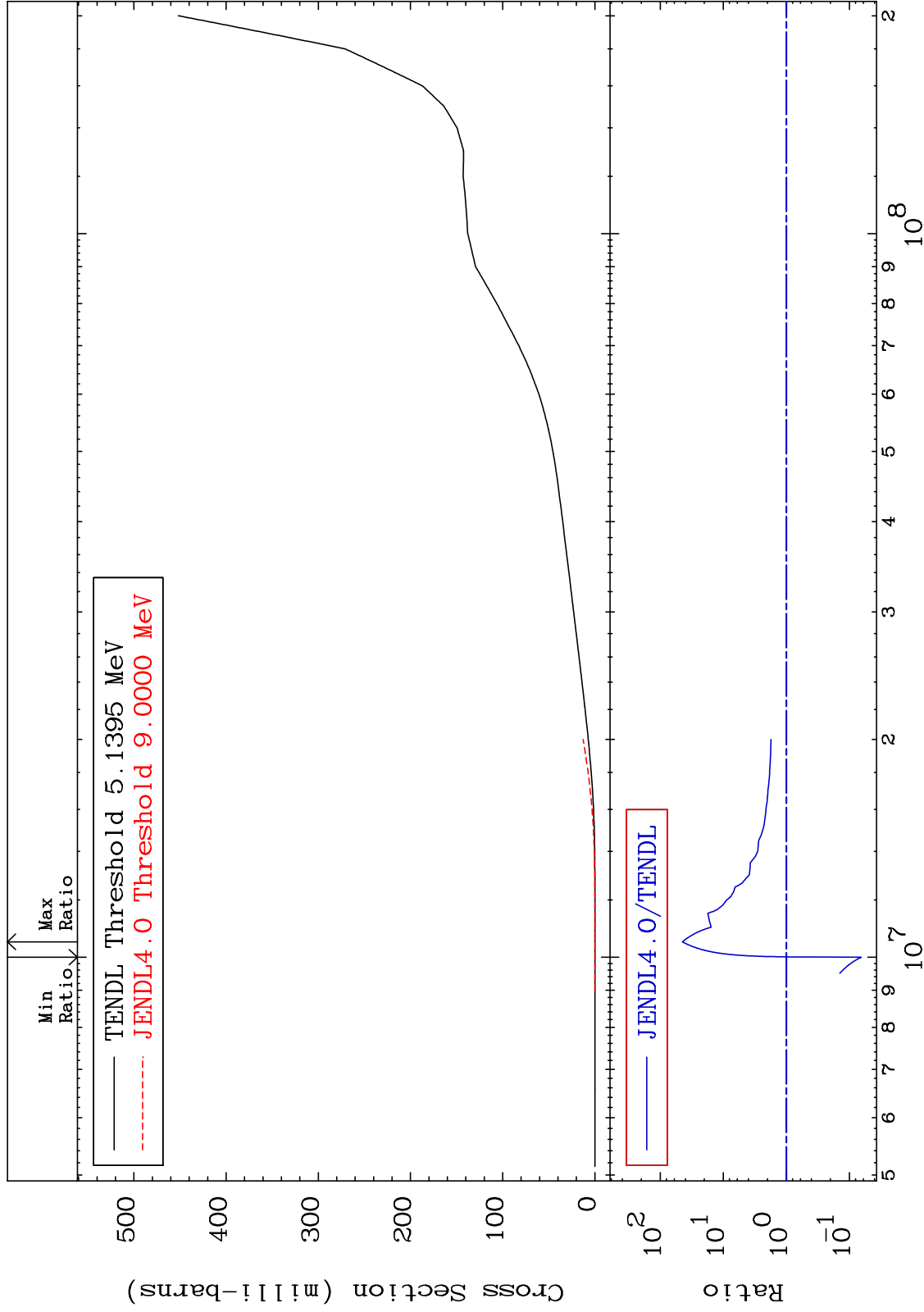
Incident Energy (eV)

70-Yb-172

MAT 7037

Deuterium Production  
Cross Section

70-Yb-172  
-93.51 To 4351. %



47

Incident Energy (eV)

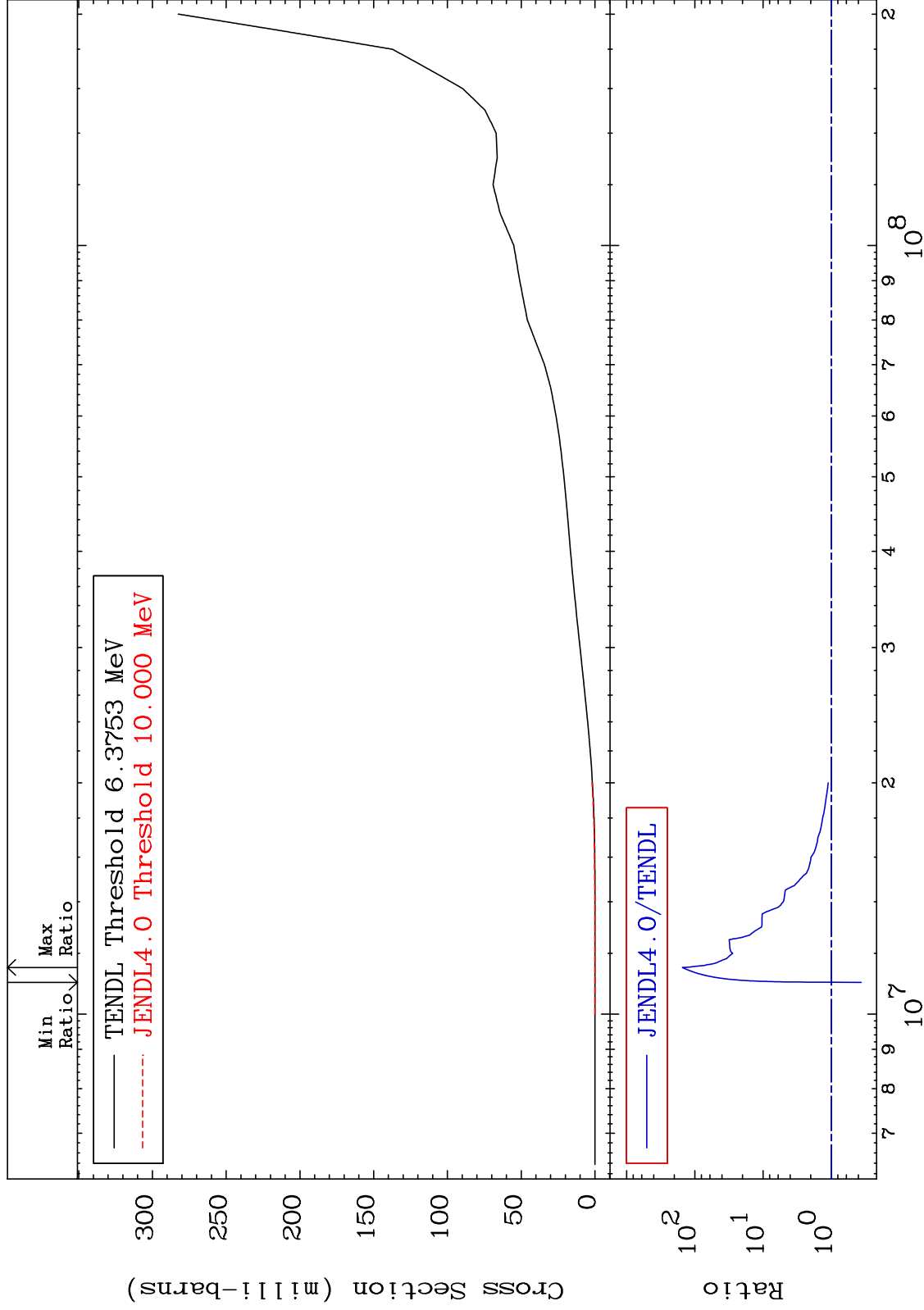
70-Yb-172



MAT 7037

Tritium Production  
Cross Section

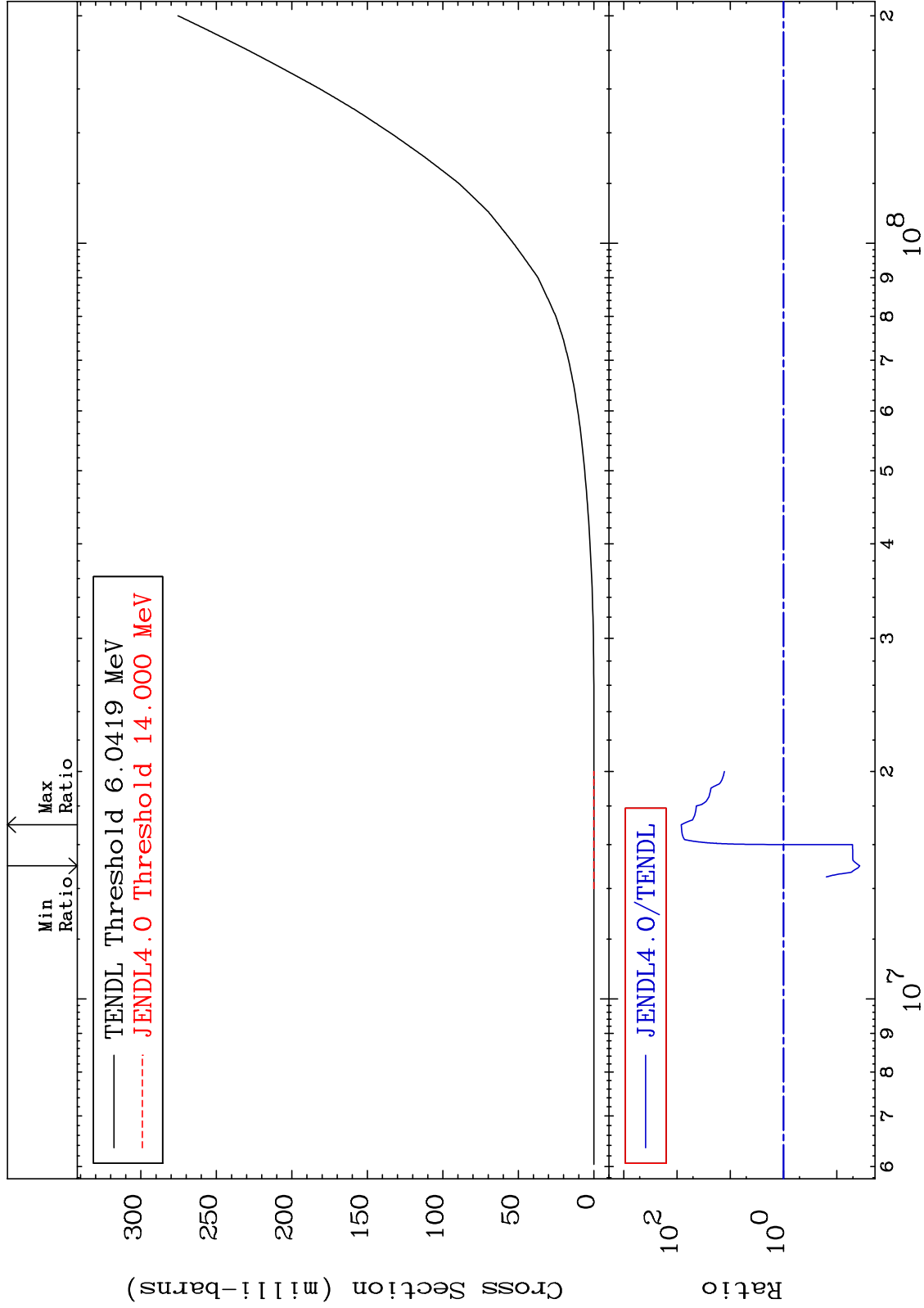
70-Yb-172  
-63.71 To 9999. %



MAT 7037

He-3 Production  
Cross Section

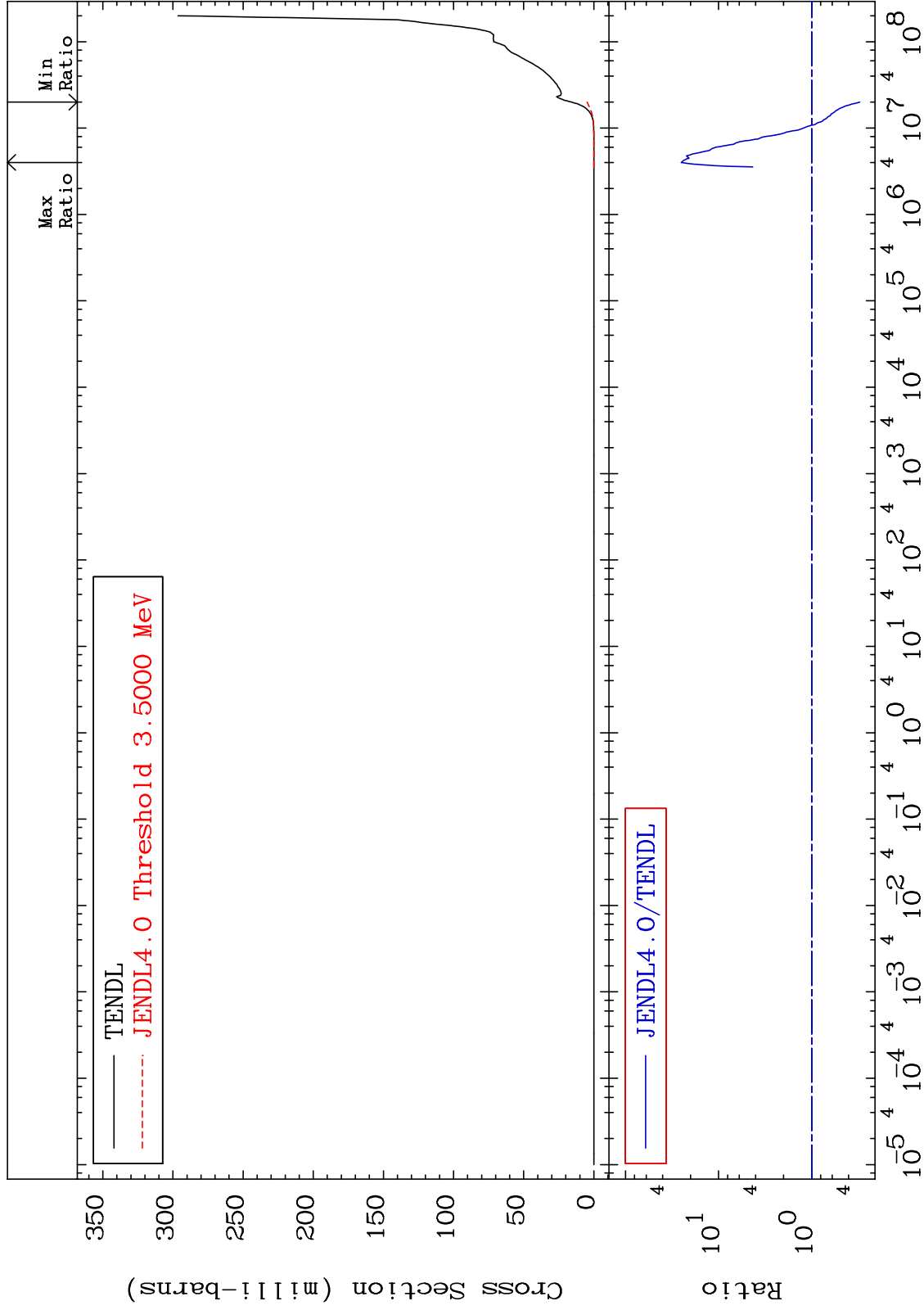
70-Yb-172  
-96.29 To 8211. %



MAT 7037

He-4 Production  
Cross Section

70-Yb-172  
-69.60 To 2418. %

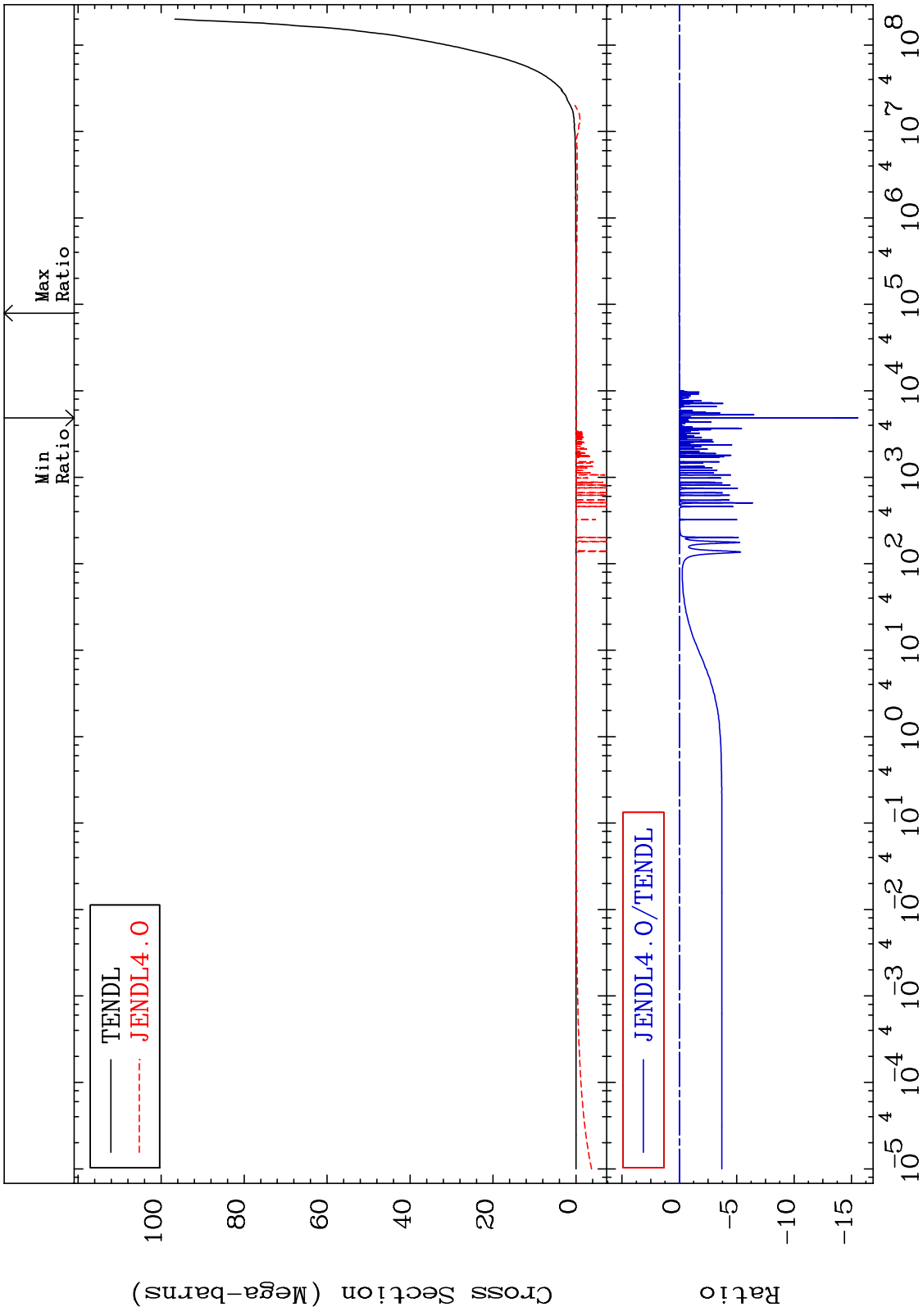


50

Incident Energy (eV)

70-Yb-172

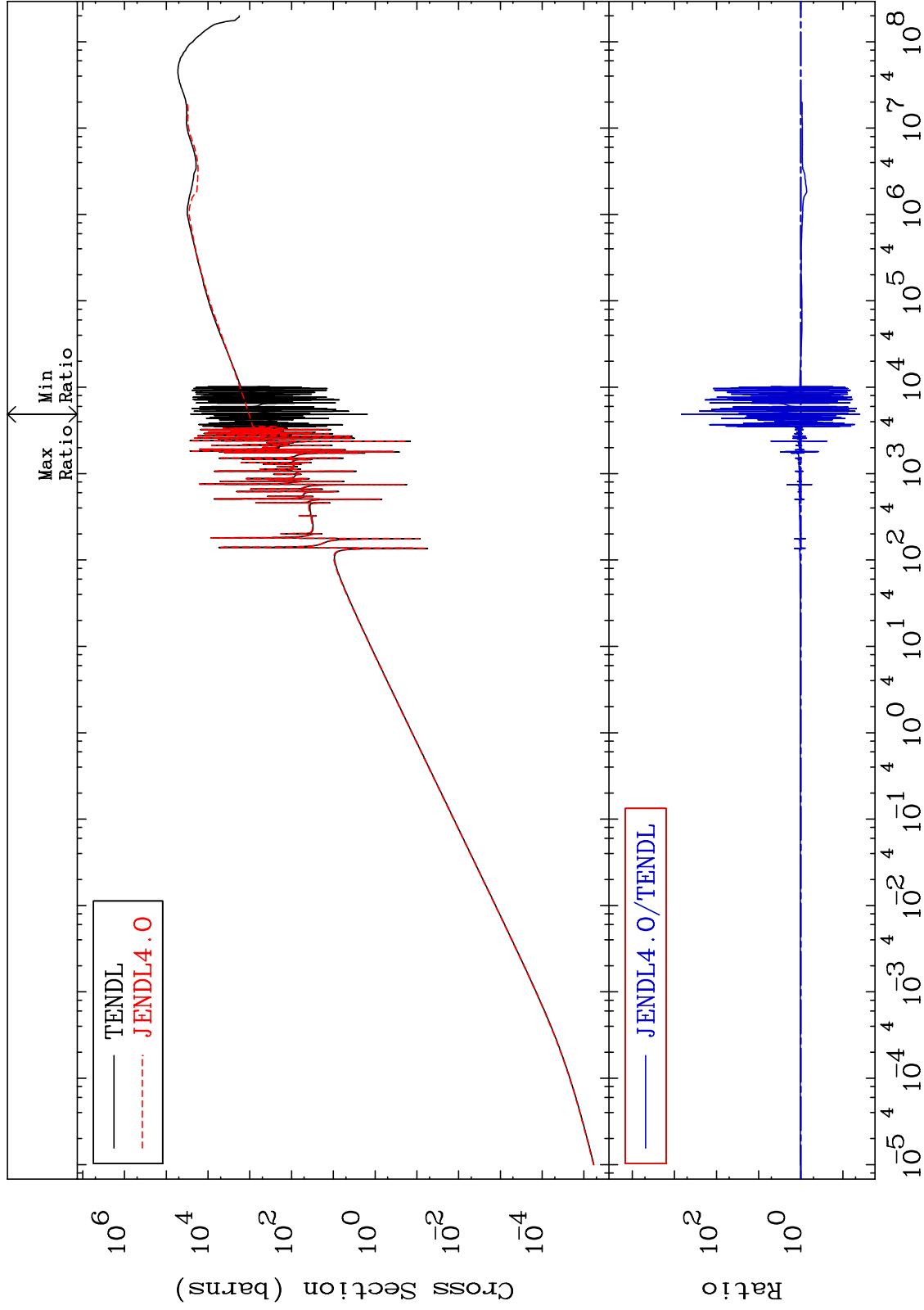
MAT 7037 Kerma total (eV-barns) 70-Yb-172  
 Cross Section -9999. To 2784. %



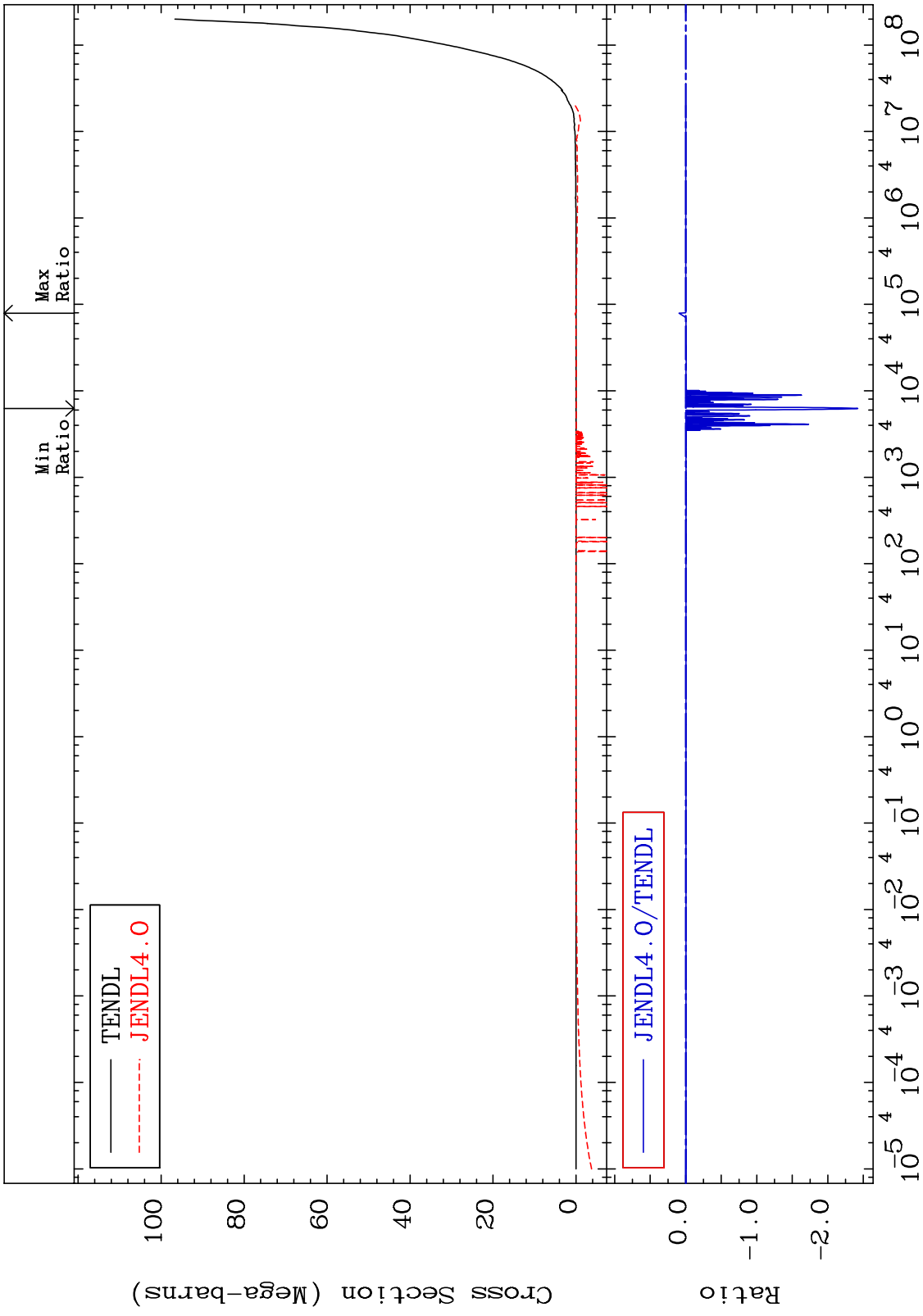
MAT 7037

Kerma elastic  
Cross Section

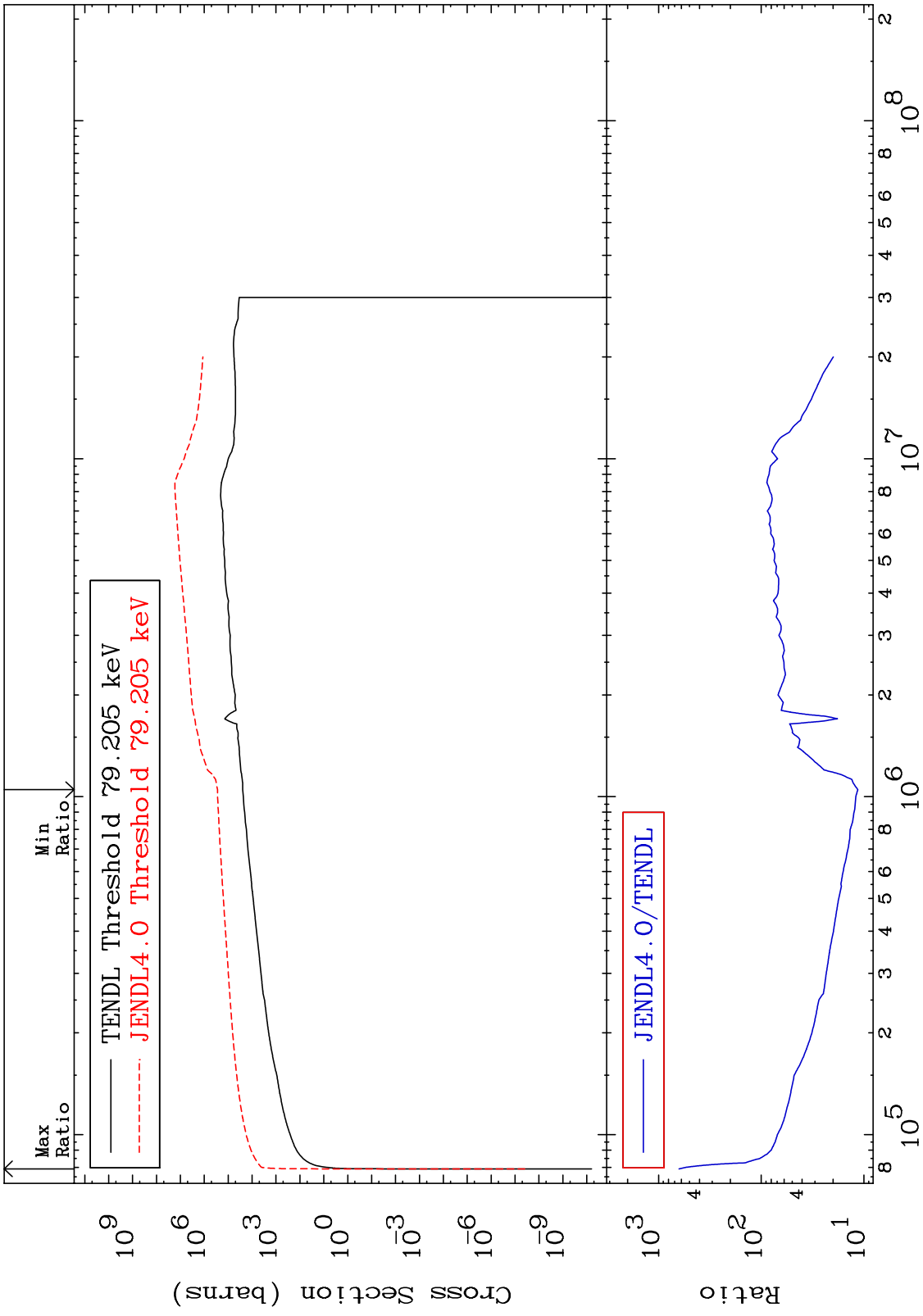
70-Yb-172  
-96.03 To 9999. %



MAT 7037 Kerma non-elastic (all but mt.2) Cross Section 70-Yb-172  
 -9999. To 9999. %



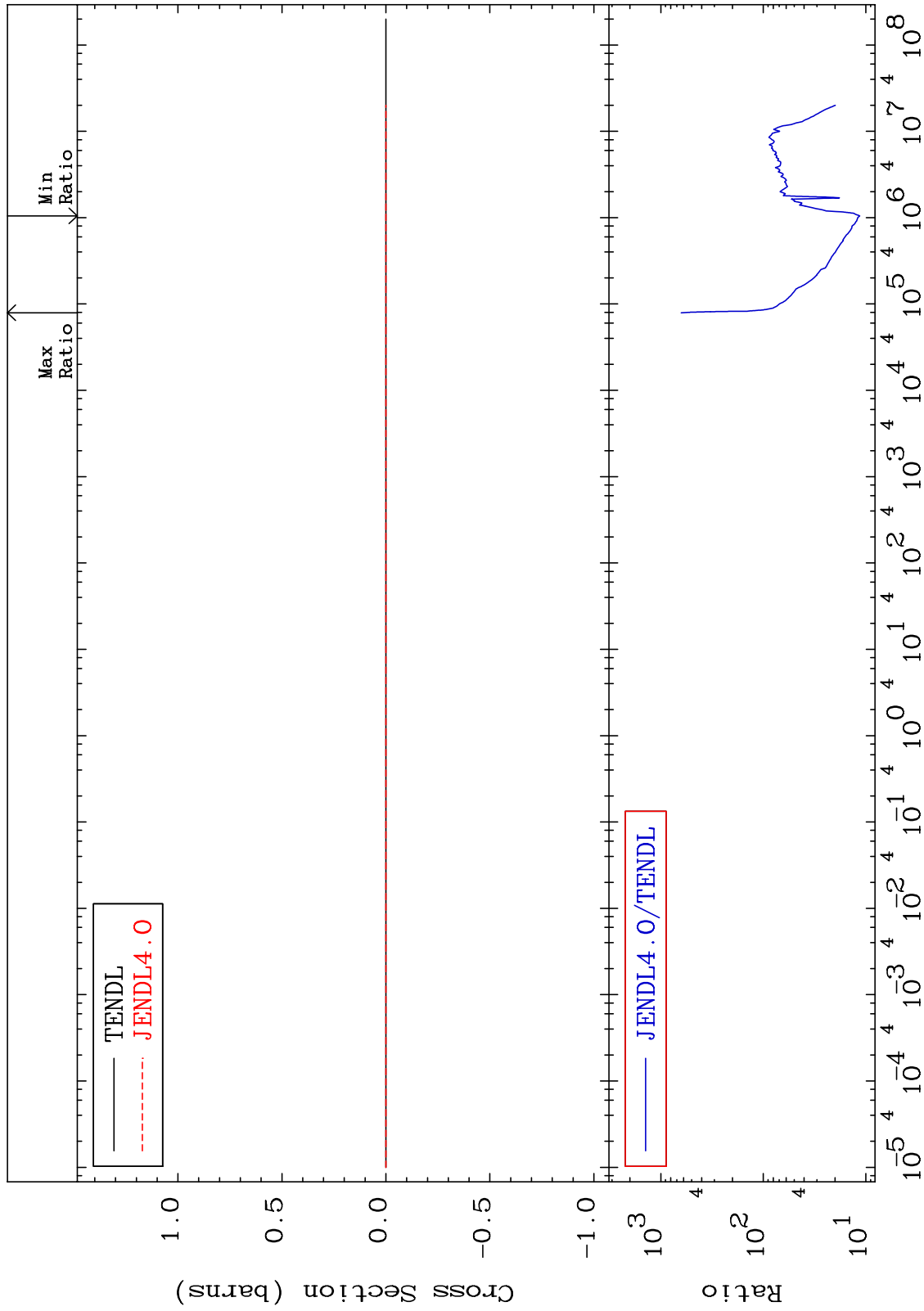
MAT 7037 Kerma inelastic (mt51-91) 70-Yb-172  
 Cross Section 1046. To 9999. %



MAT 7037

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

70-Yb-172  
1046. To 9999. %

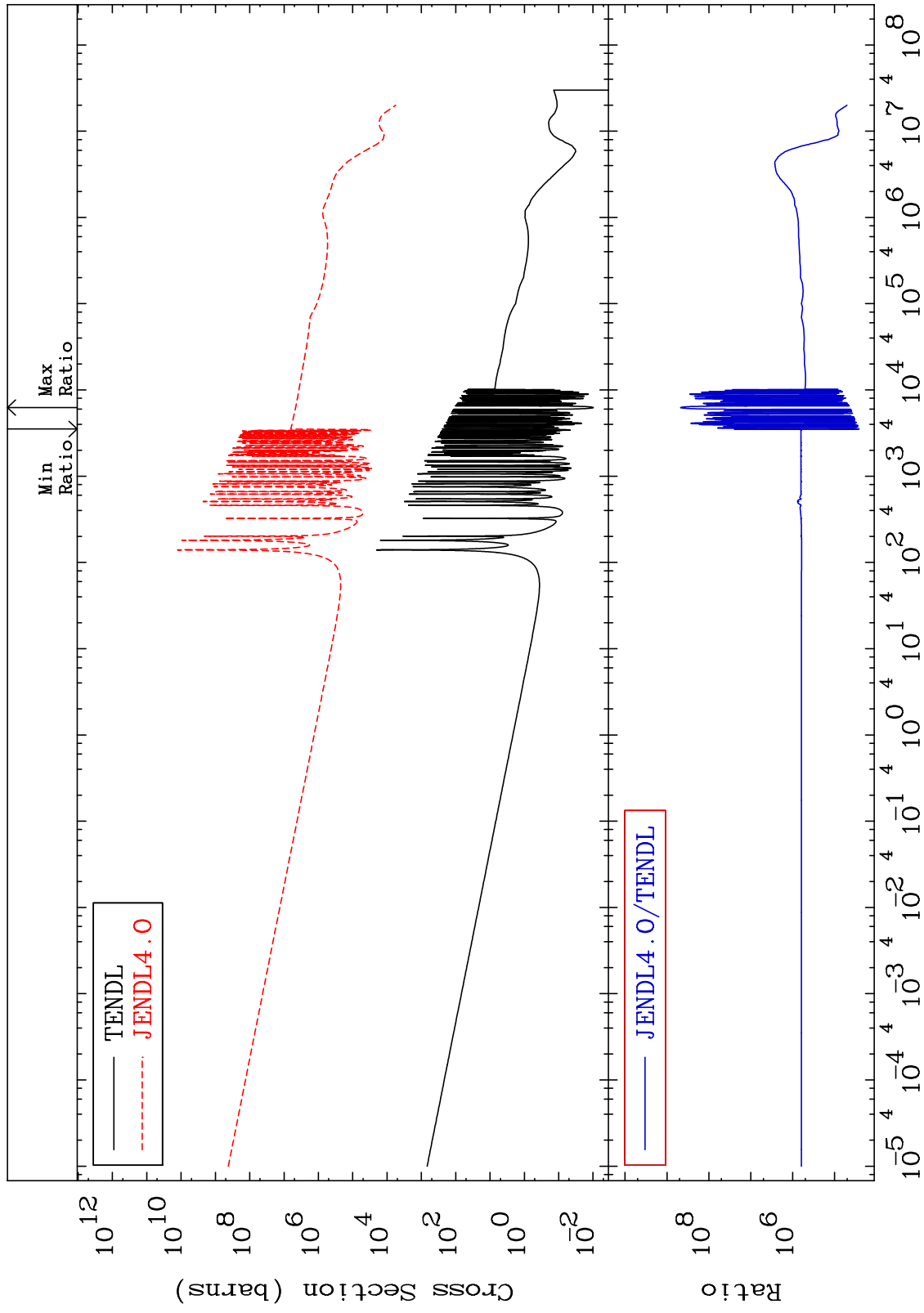




MAT 7037

Kerma capture (mt102)  
Cross Section

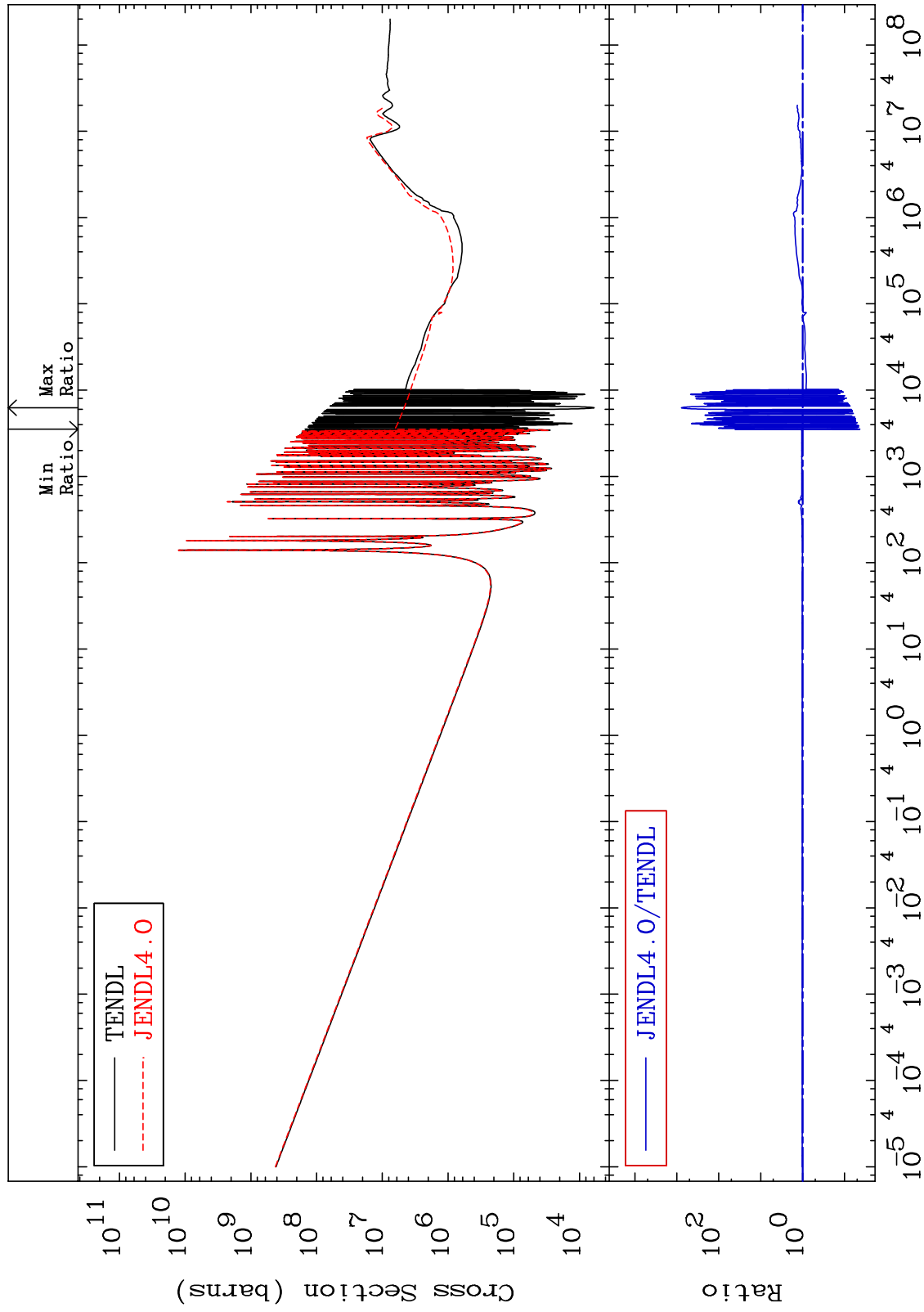
70-Yb-172  
9999. To 9999. %



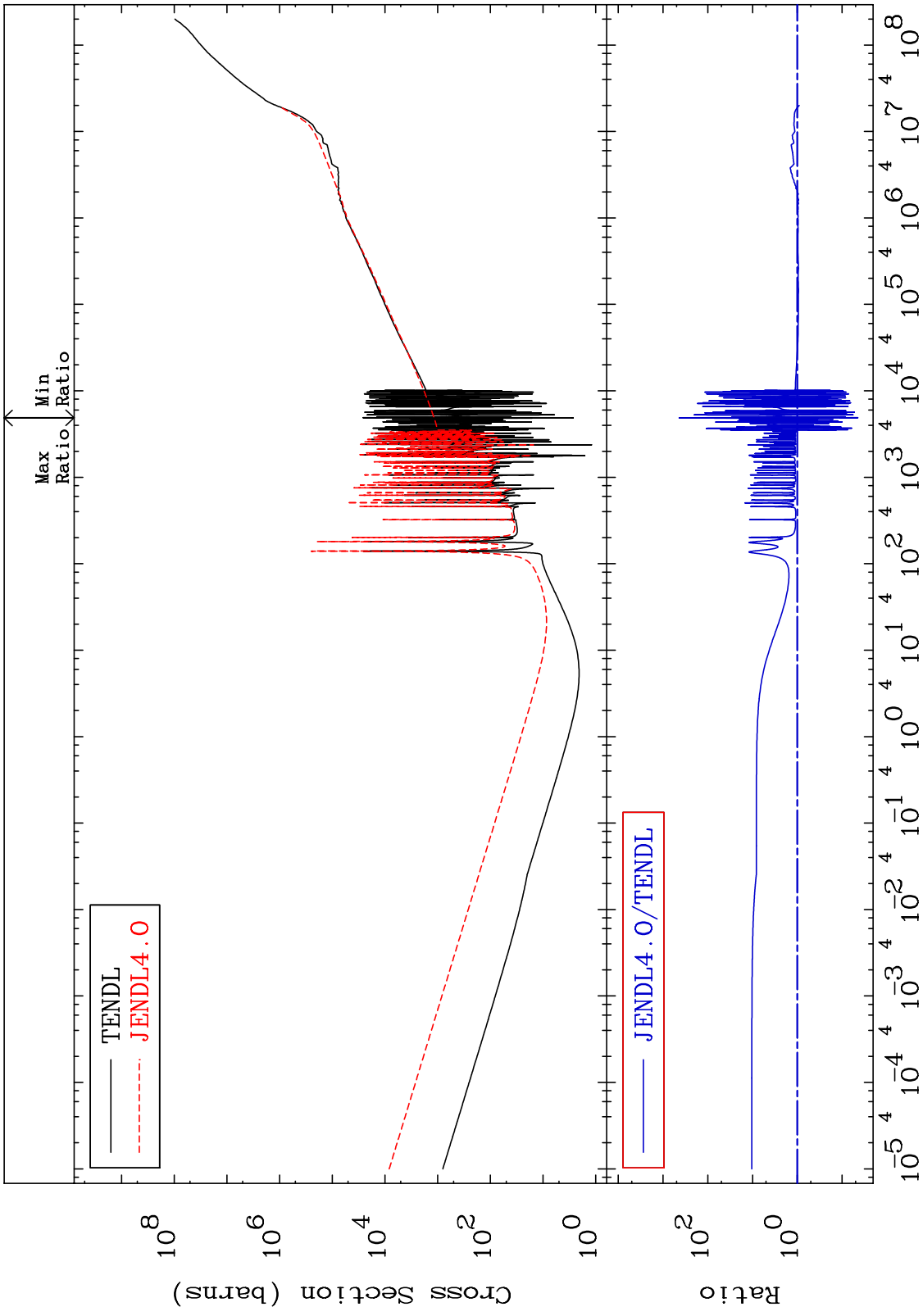
MAT 7037

Total photon (eV-barns)  
Cross Section

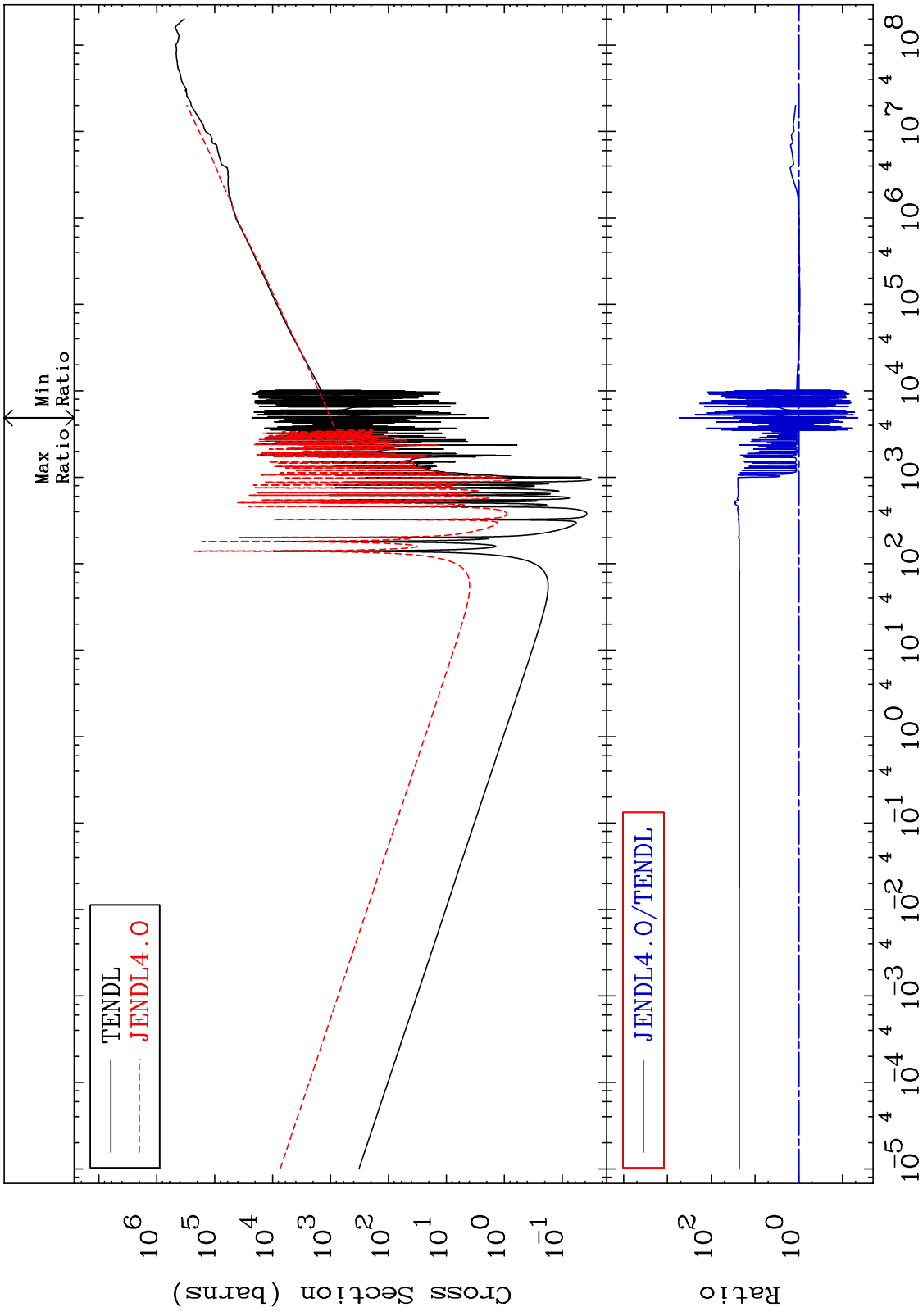
70-Yb-172  
-95.69 To 9999. %



MAT 7037 Total kinematic kerma (high limit) 70-Yb-172  
Cross Section -95.56 To 9999. %



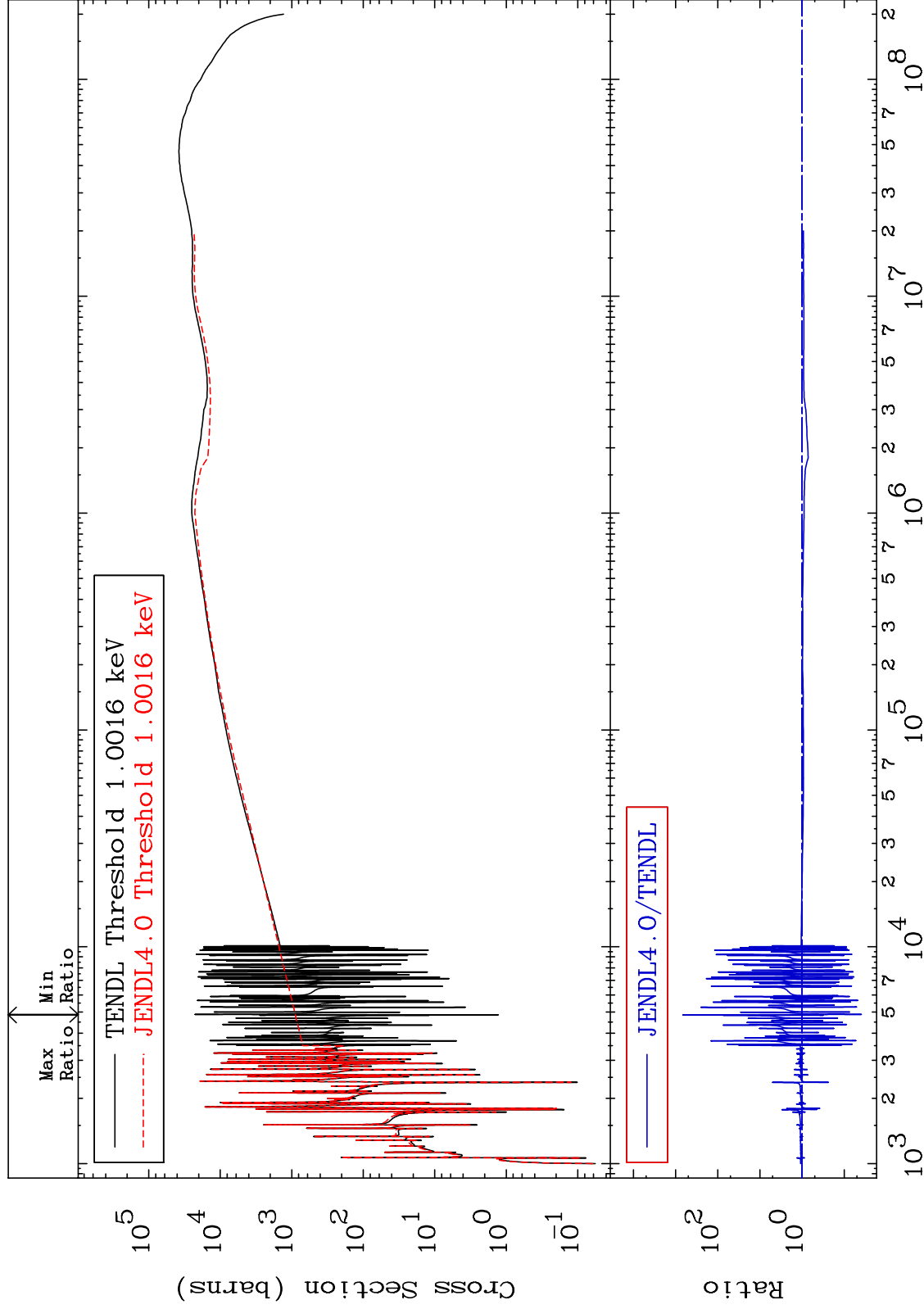
MAT 7037      Dpa total (eV-barns)      70-Yb-172  
 Cross Section      -95.55 To 9999. %



MAT 7037

Dpa elastic (mt2)  
Cross Section

70-Yb-172  
-96.05 To 9999. %

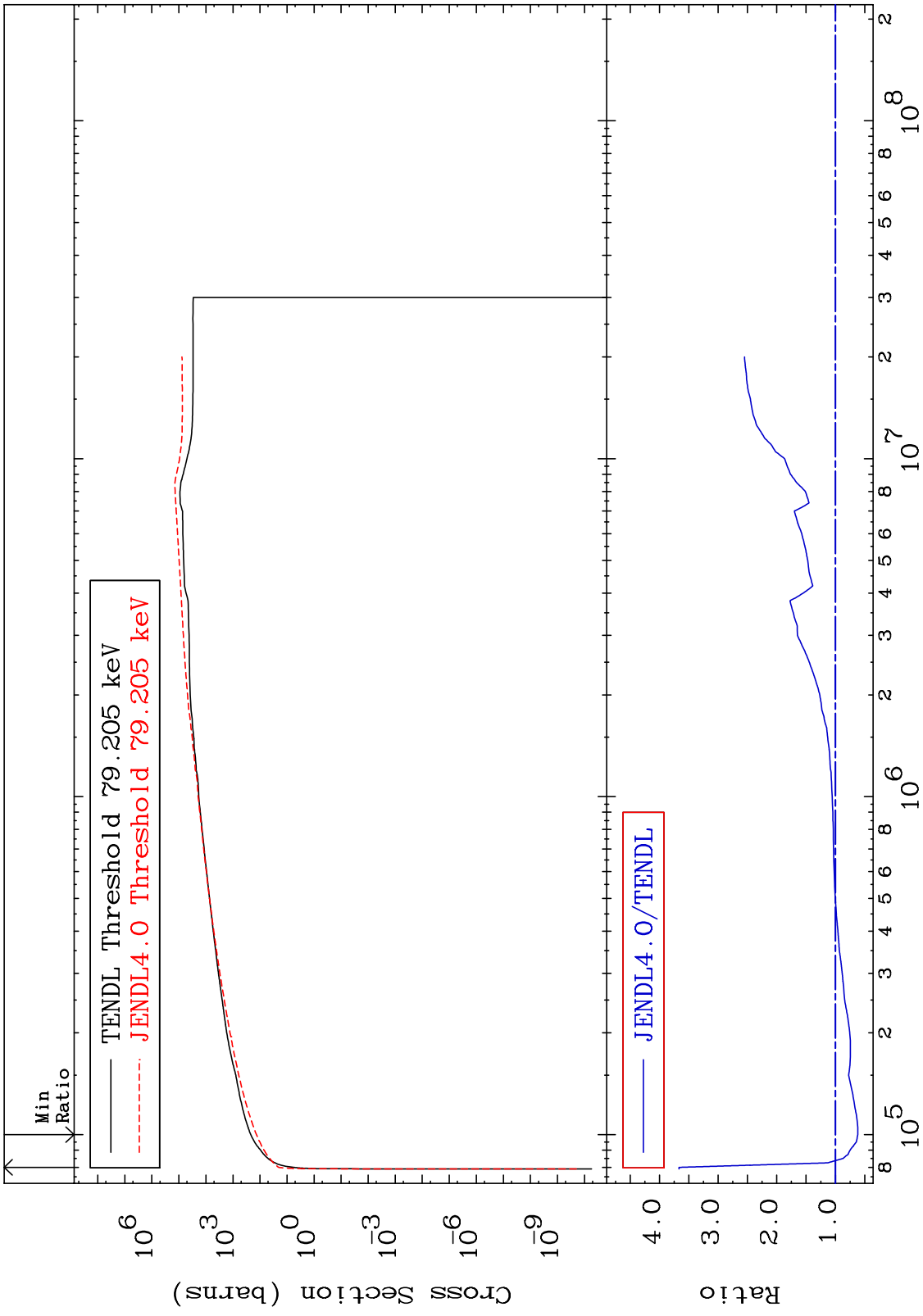


60

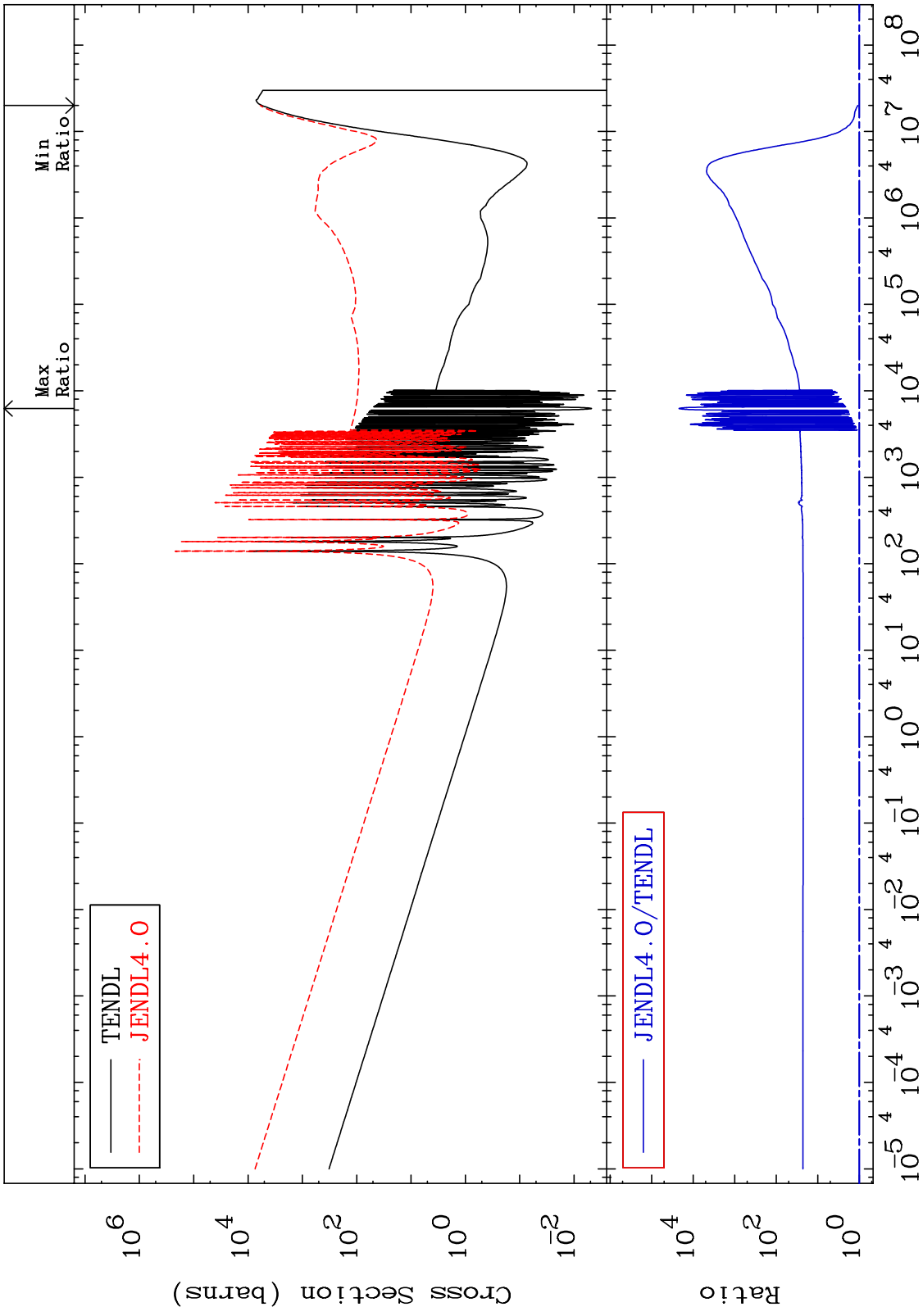
Incident Energy (eV)

70-Yb-172

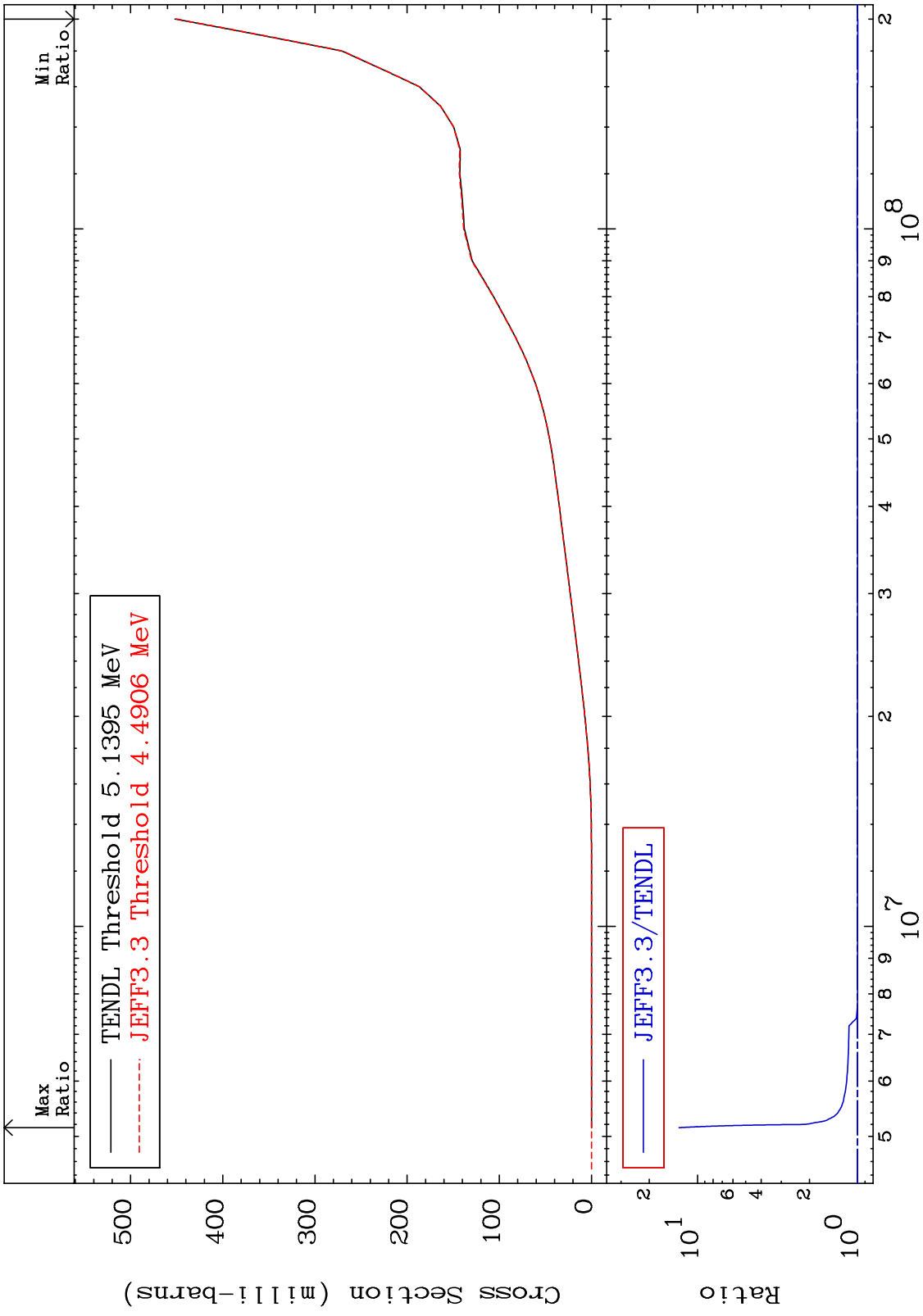
MAT 7037      Dpa inelastic (mt51-91)      70-Yb-172  
 Cross Section      -38.26 To 266.7 %



MAT 7037      Dpa disappearance (mt102 -120)      70-Yb-172  
 Cross Section      8.401      To 9999. %



MAT 7037 Deuterium Production Cross Section 70-Yb-172  
 -0.350 To 1204. %



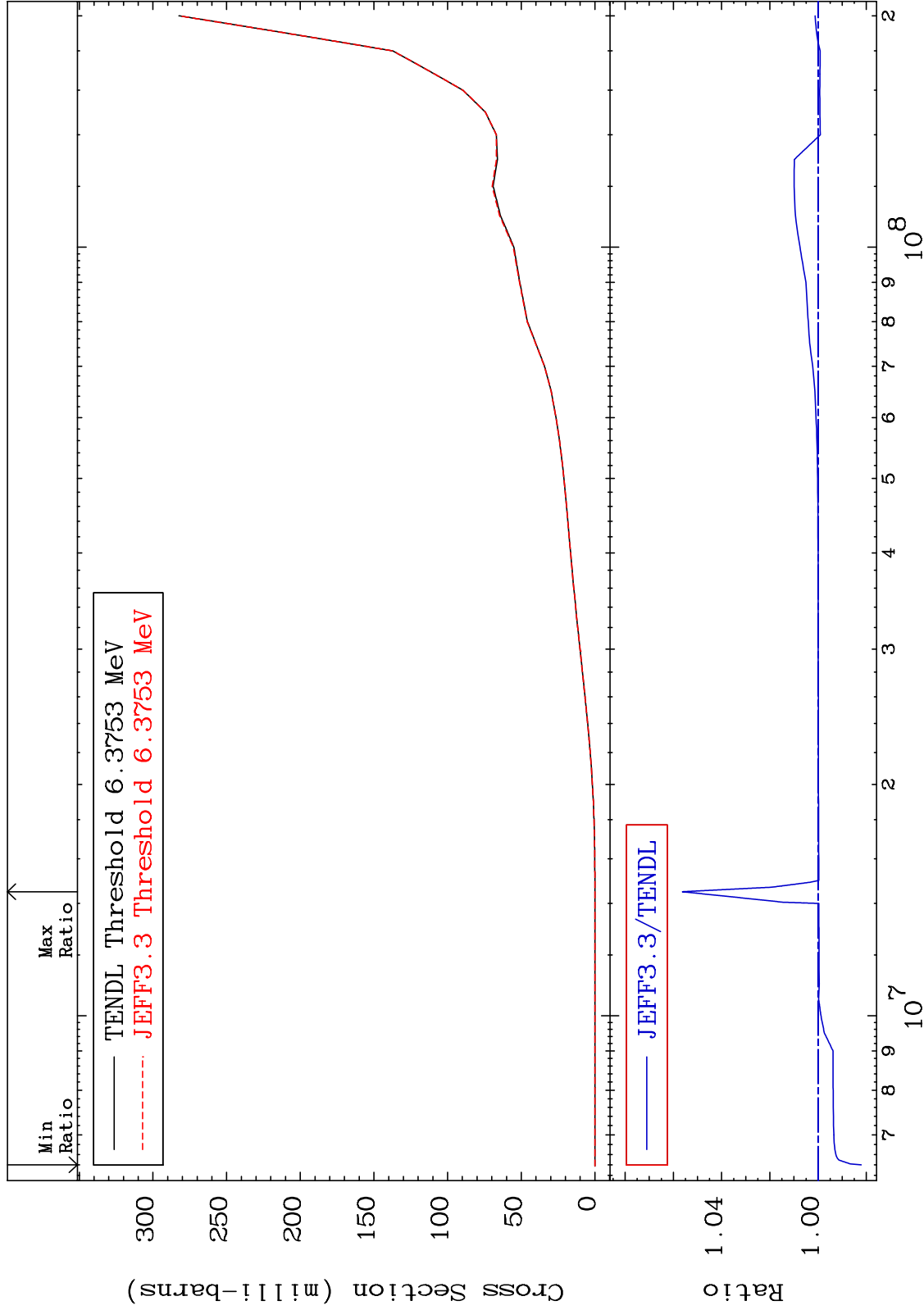
63 Incident Energy (eV) 70-Yb-172



MAT 7037

Tritium Production  
Cross Section

70-Yb-172  
-1.790 To 5.623 %



64

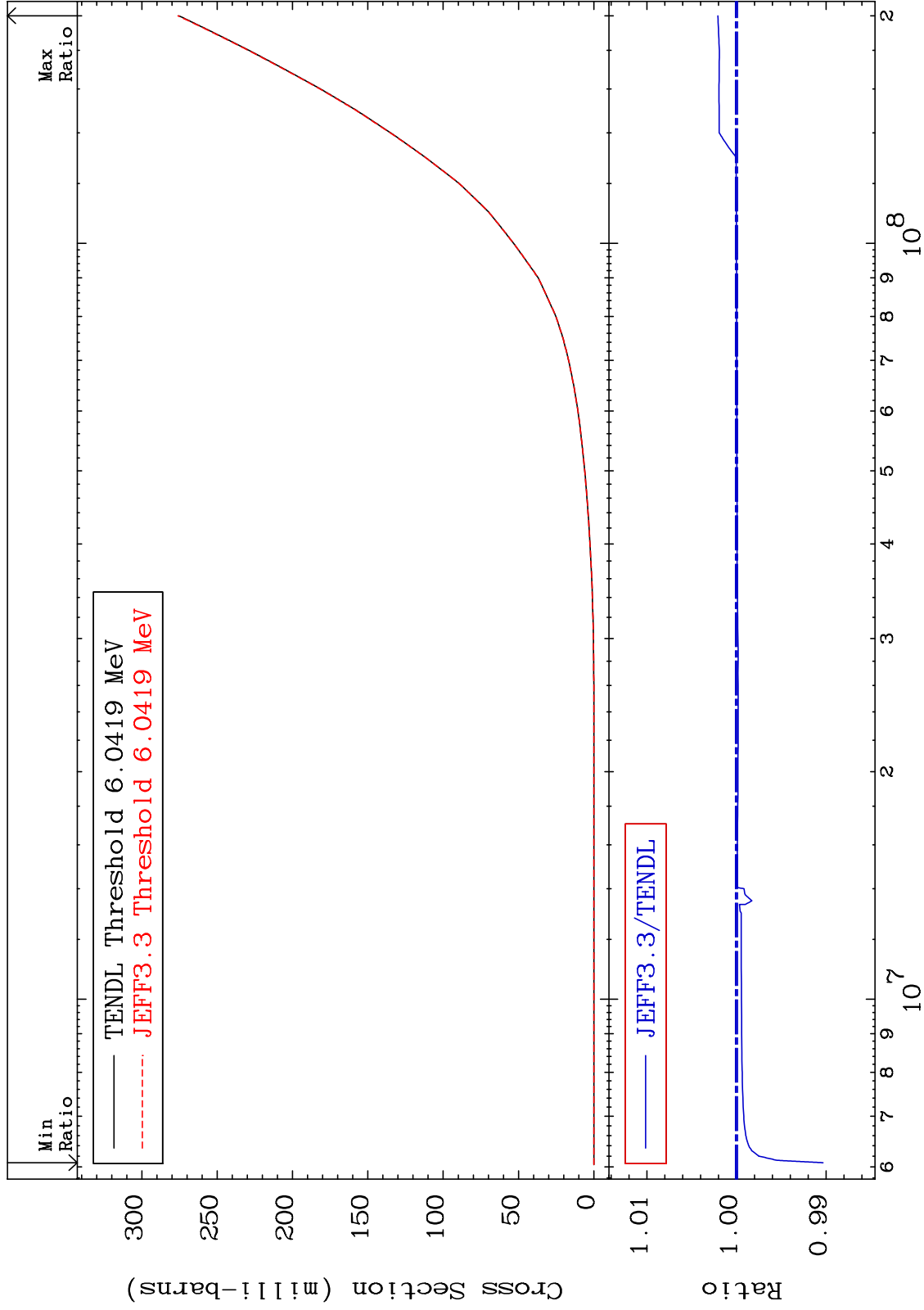
Incident Energy (eV)

70-Yb-172

MAT 7037

He-3 Production  
Cross Section

70-Yb-172  
-0.966 To 0.207 %



65

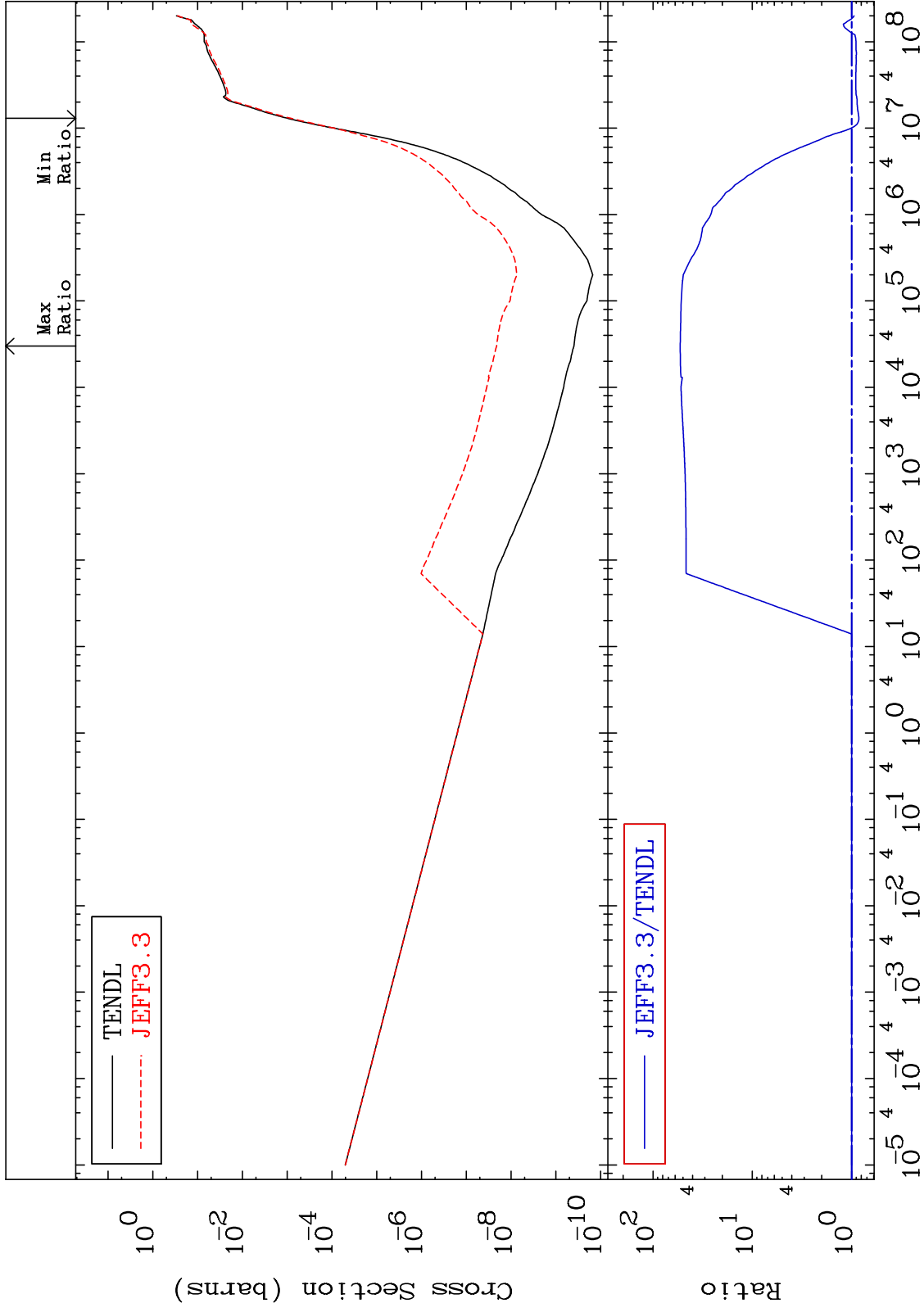
Incident Energy (eV)

70-Yb-172

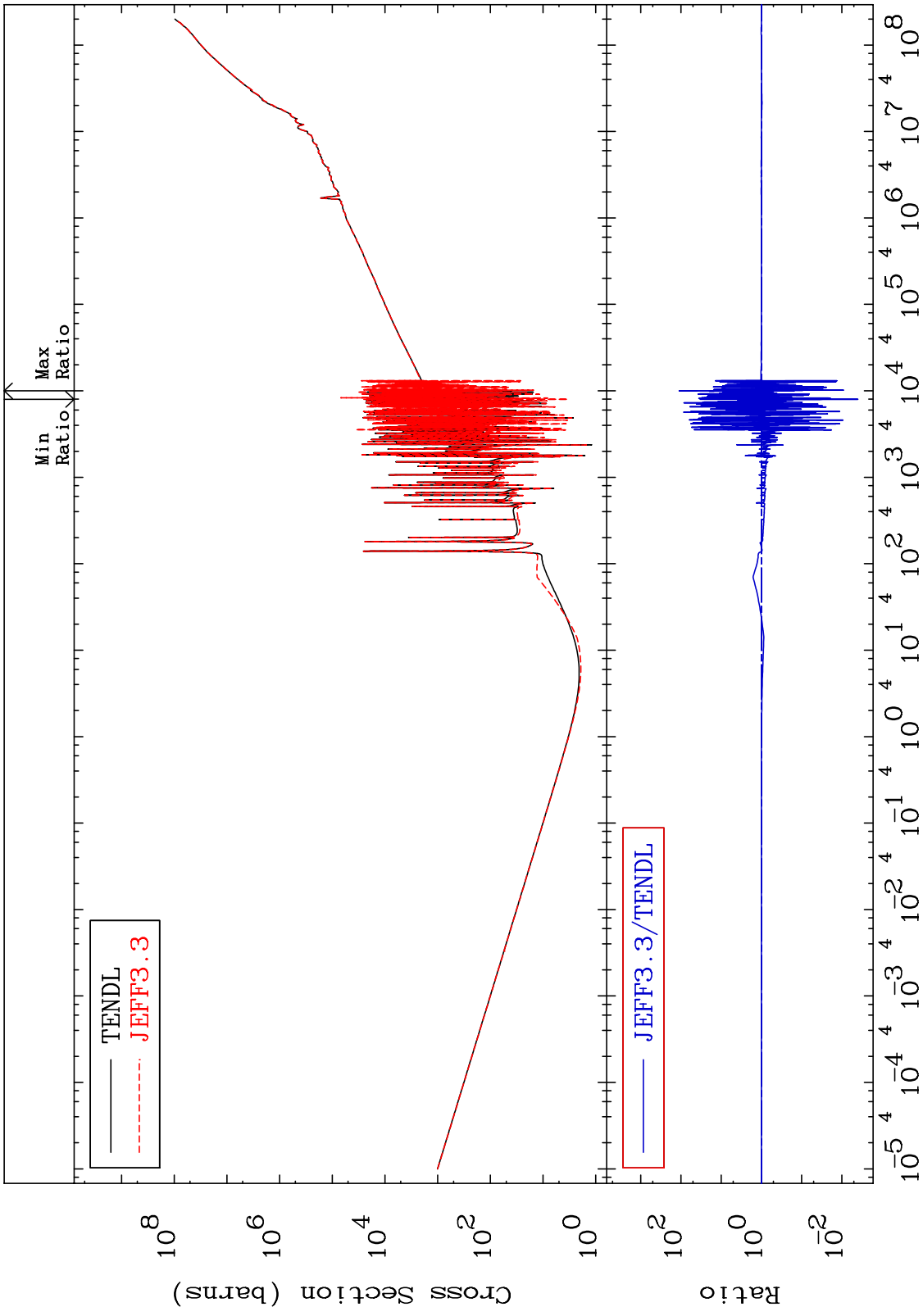
MAT 7037

He-4 Production  
Cross Section

70-Yb-172  
-15.55 To 5221. %



MAT 7037 Kerma total (eV-barns) 70-Yb-172  
Cross Section -99.60 To 9999. %

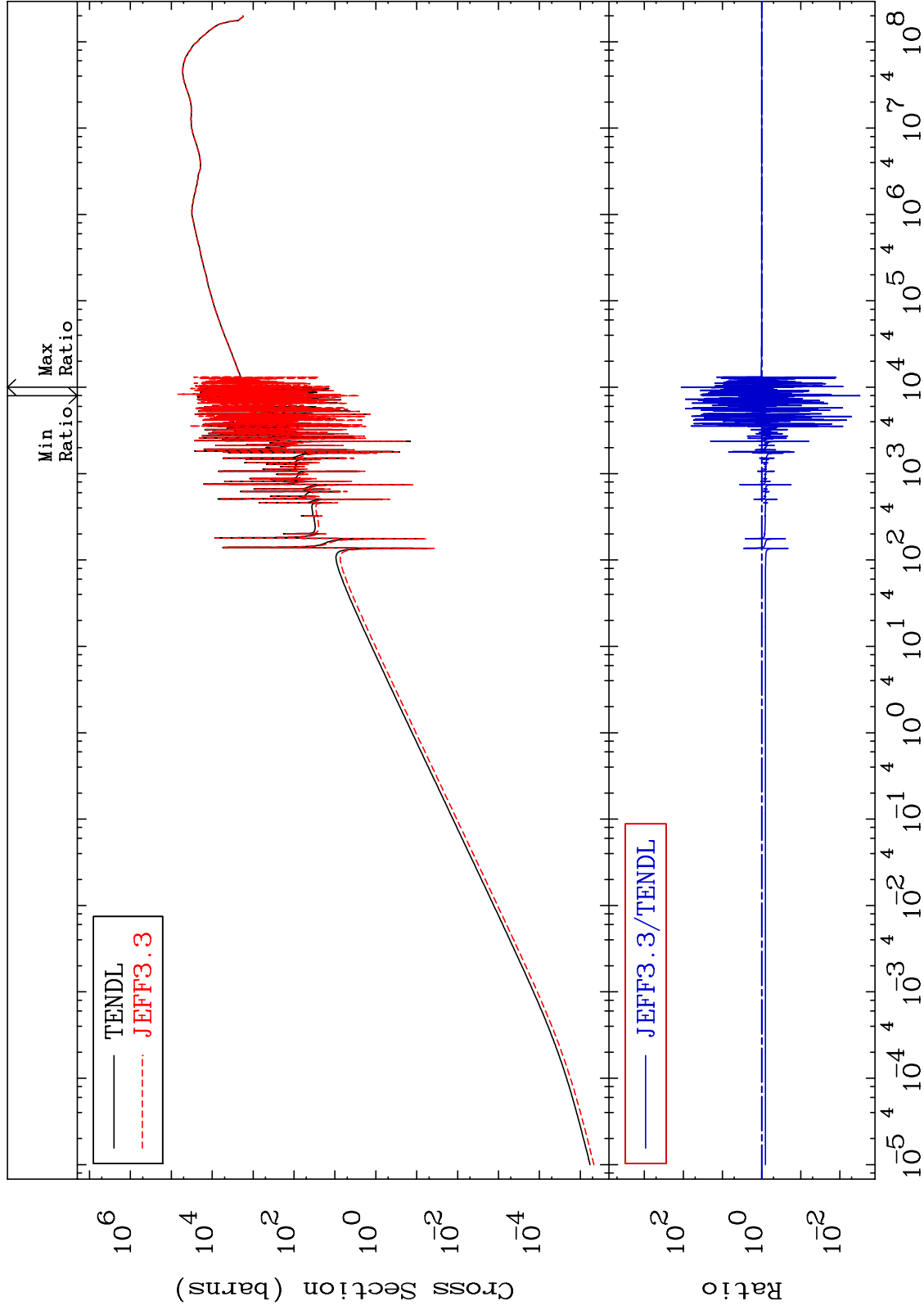


67 Incident Energy (eV) 70-Yb-172

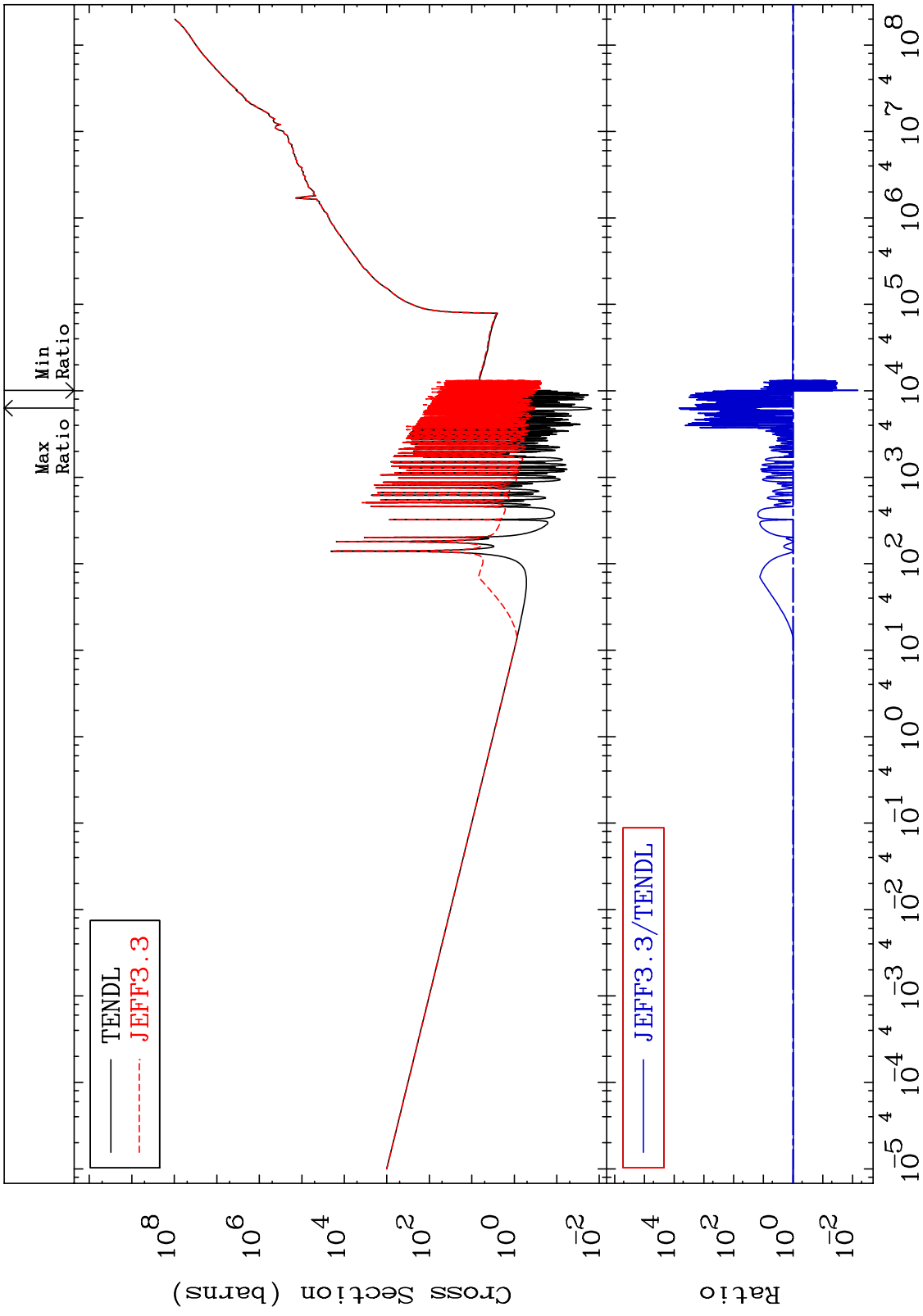
MAT 7037

Kerma elastic  
Cross Section

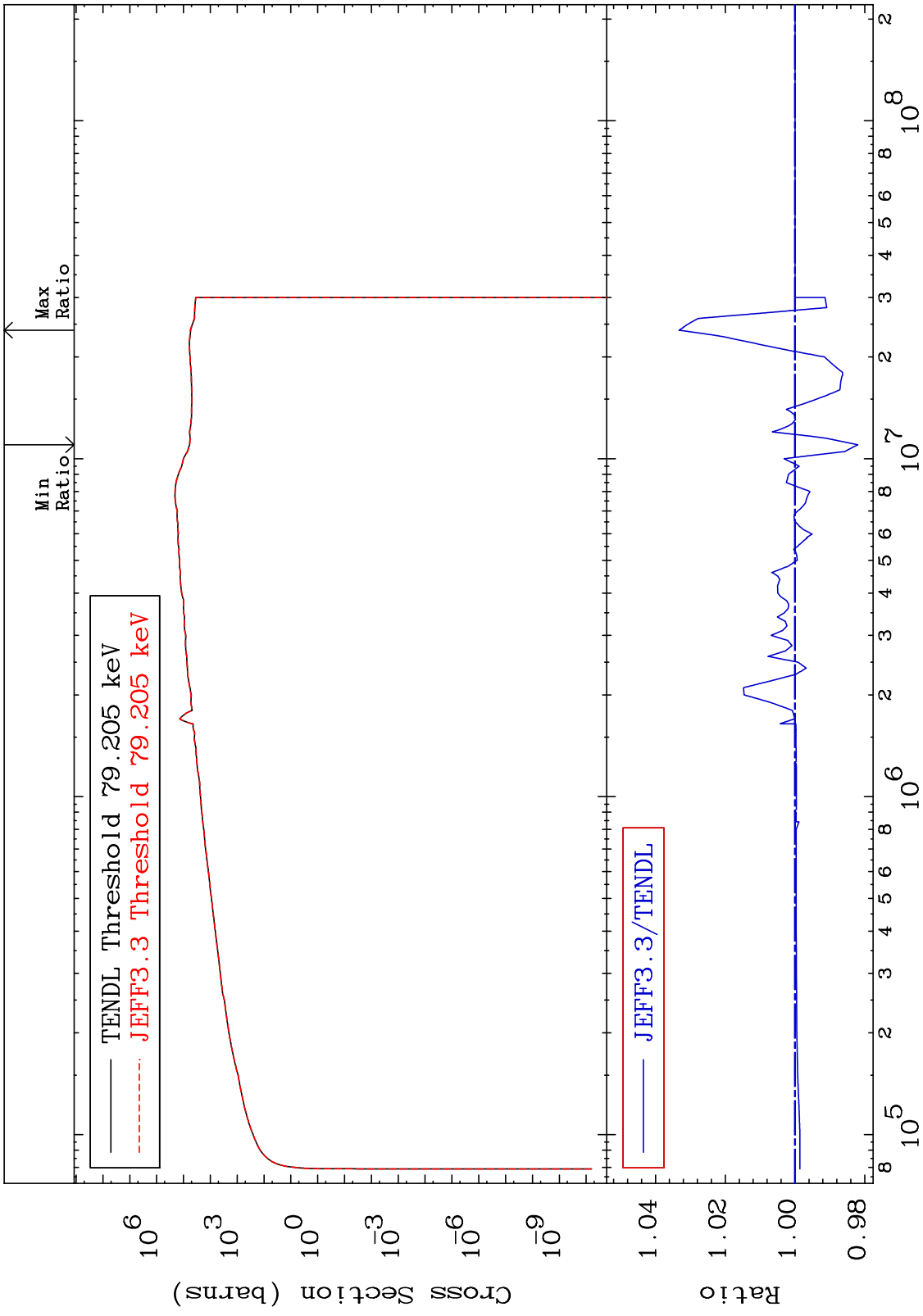
70-Yb-172  
-99.69 To 9999. %



MAT 7037 Kerma non-elastic (all but mt2) 70-Yb-172  
 Cross Section -99.33 To 9999. %



MAT 7037 Kerma inelastic (mt51-91) 70-Yb-172  
Cross Section -1.802 To 3.325 %

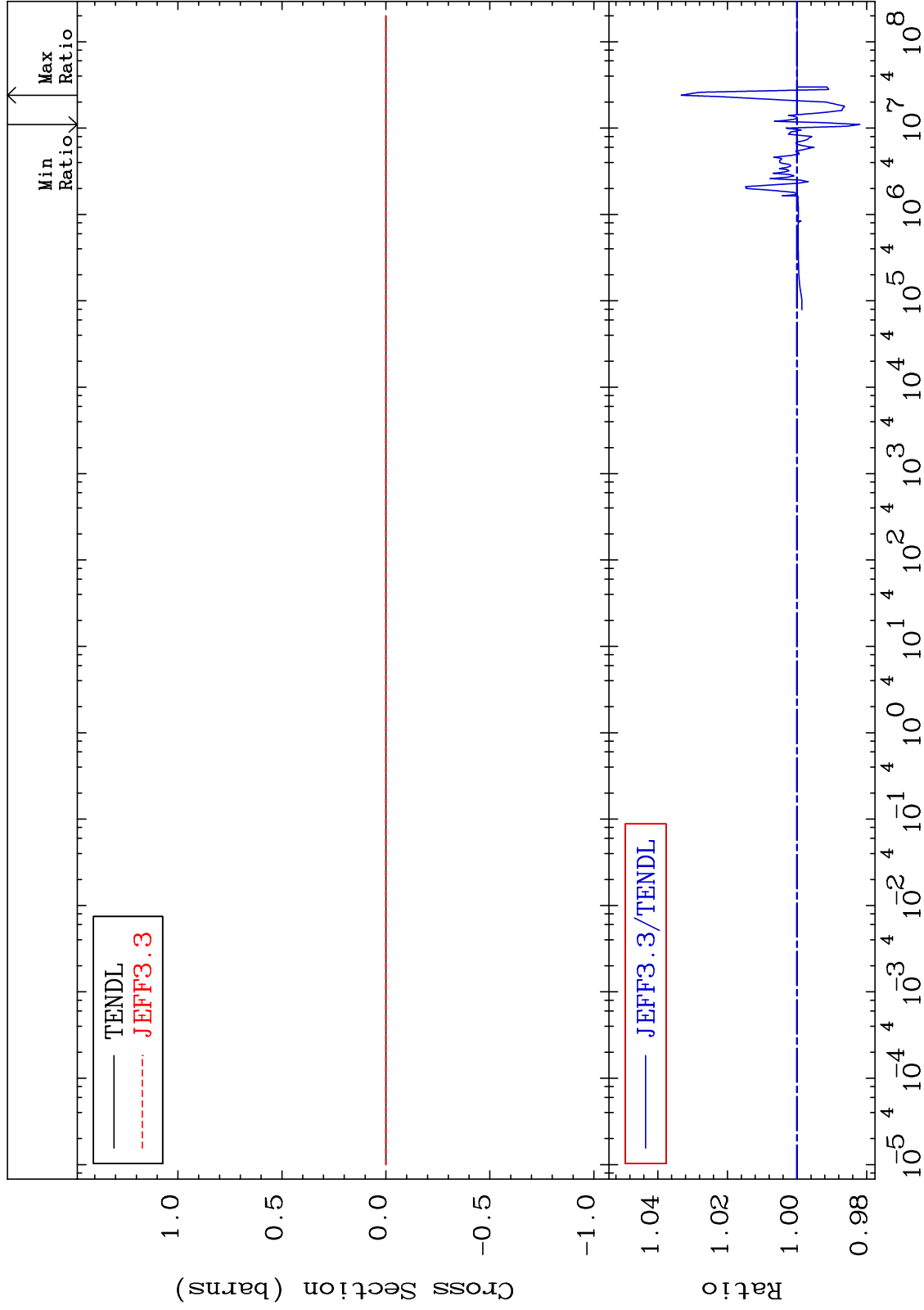


70 70-Yb-172

MAT 7037

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

70-Yb-172  
-1.802 To 3.325 %



71

Incident Energy (eV)

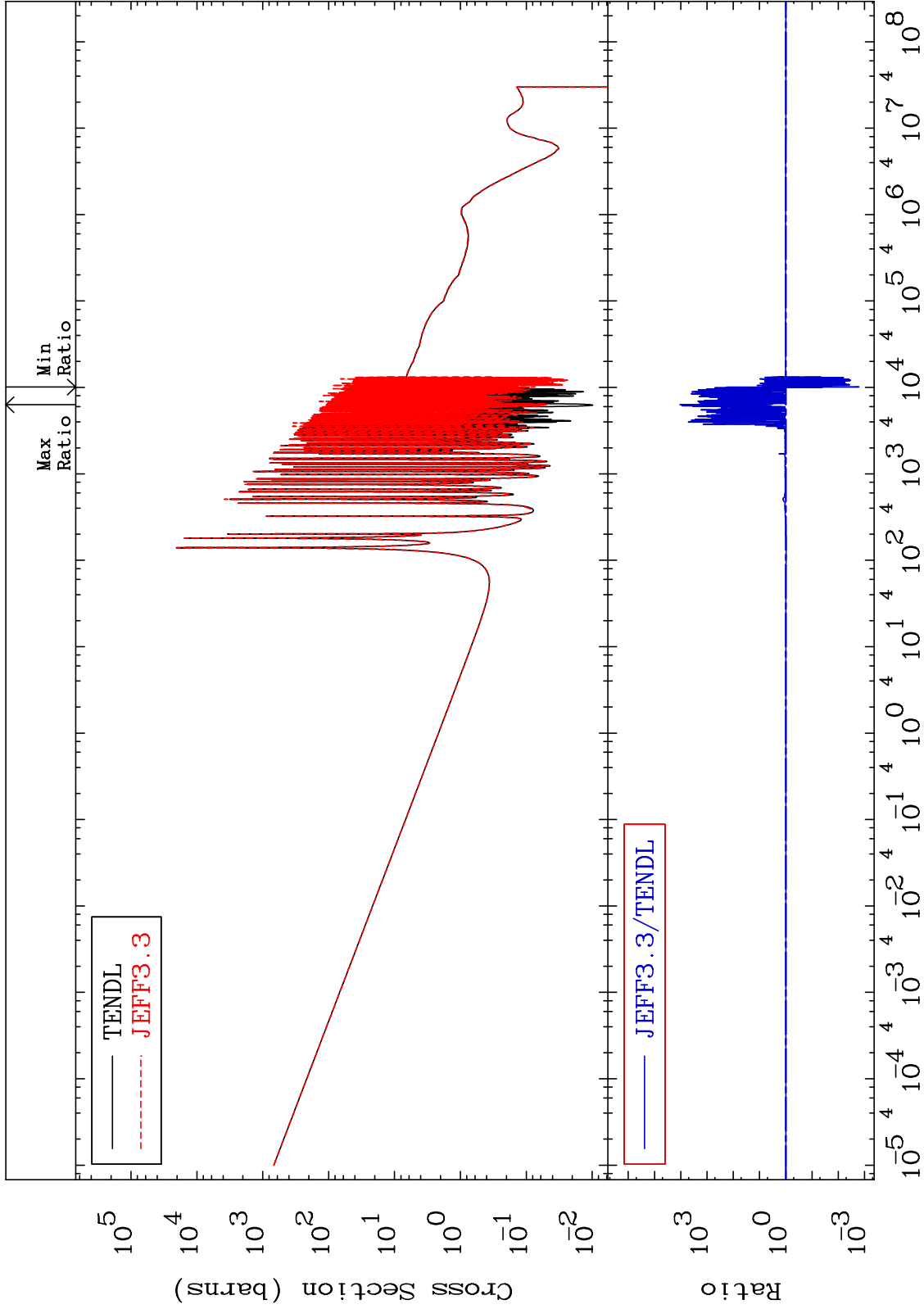
70-Yb-172



MAT 7037

Kerma capture (mt102)  
Cross Section

70-Yb-172  
-99.83 To 9999. %



72

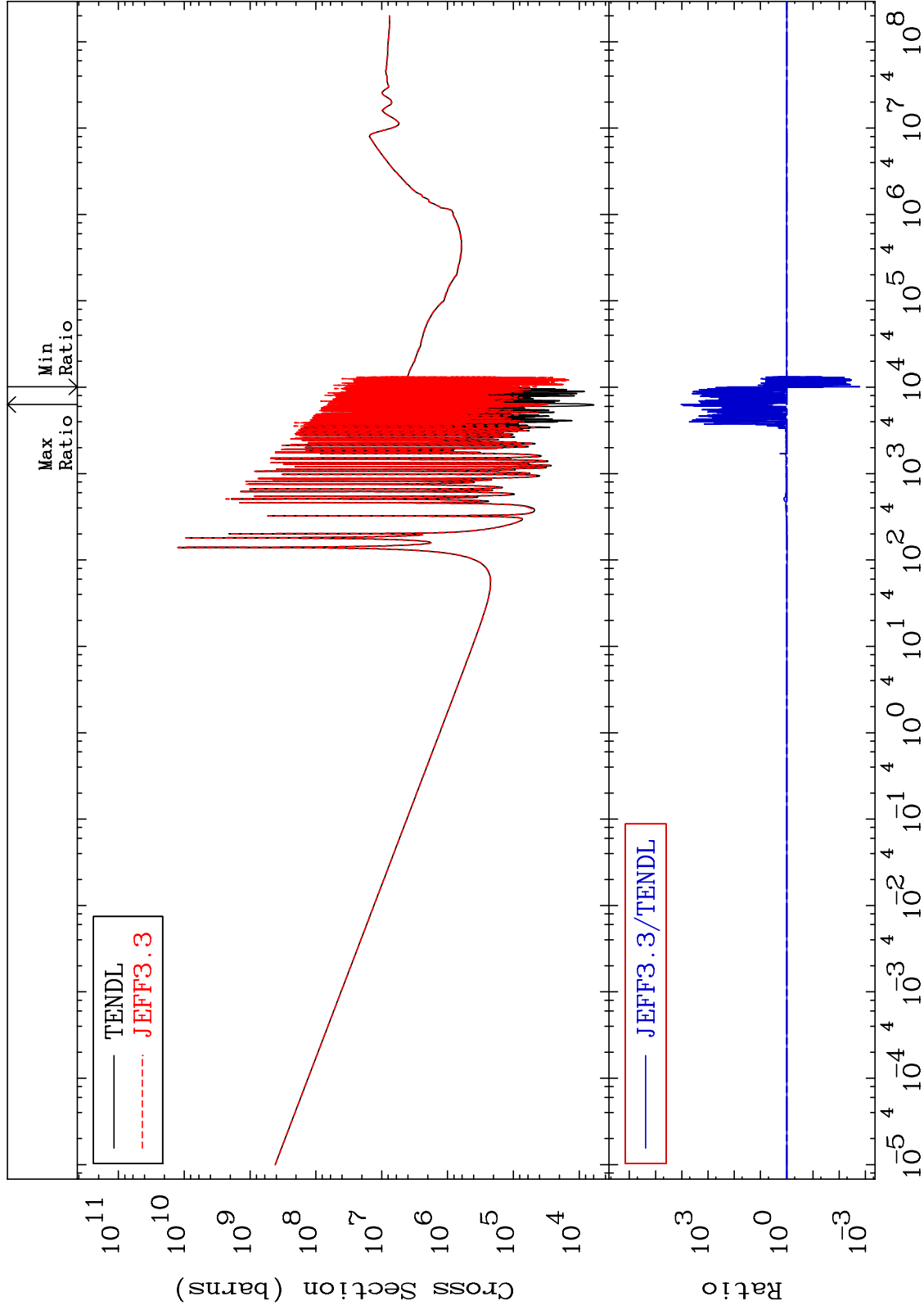
Incident Energy (eV)

70-Yb-172

MAT 7037

Total photon (eV-barns)  
Cross Section

70-Yb-172  
-99.83 To 9999. %

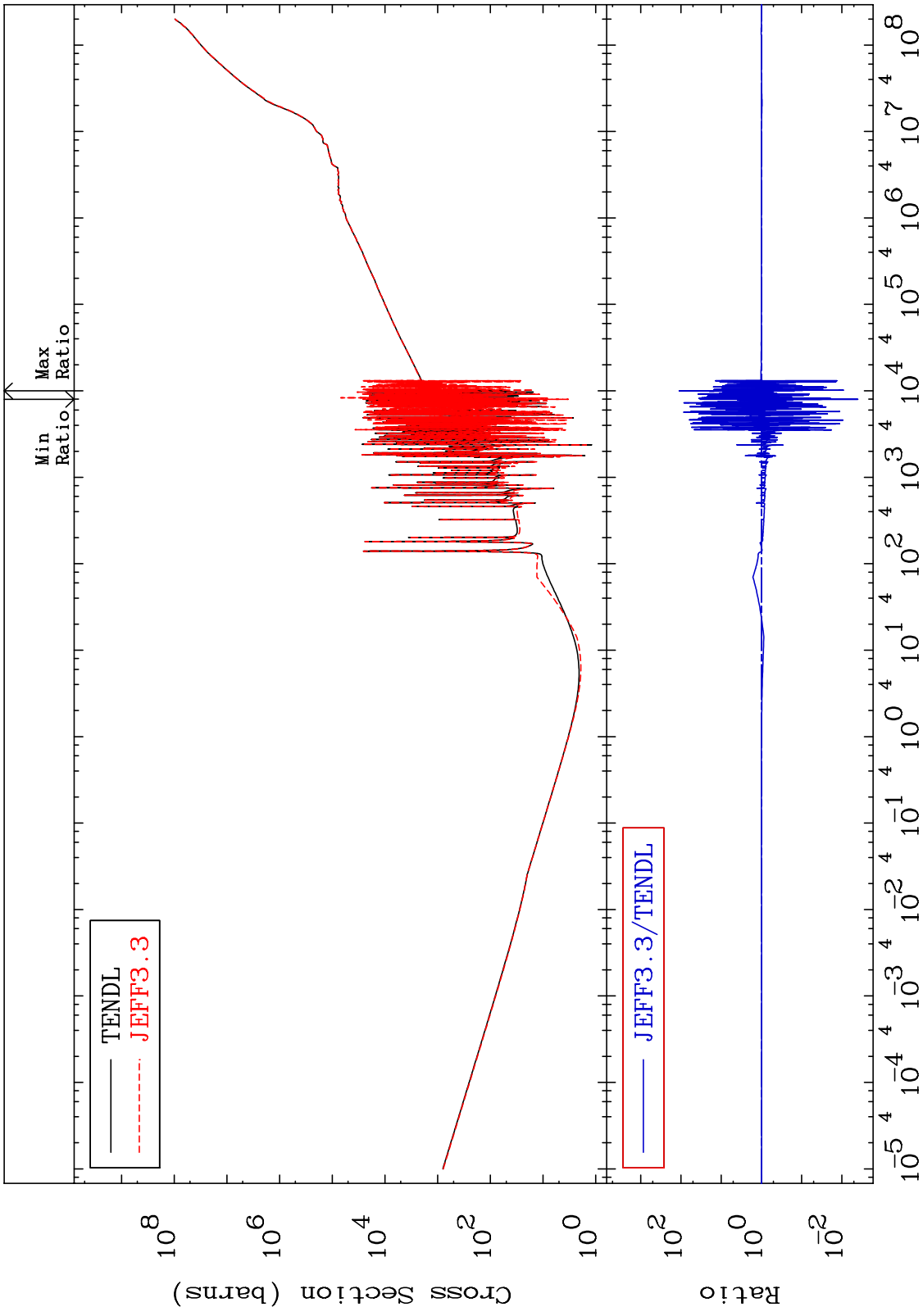


73

Incident Energy (eV)

70-Yb-172

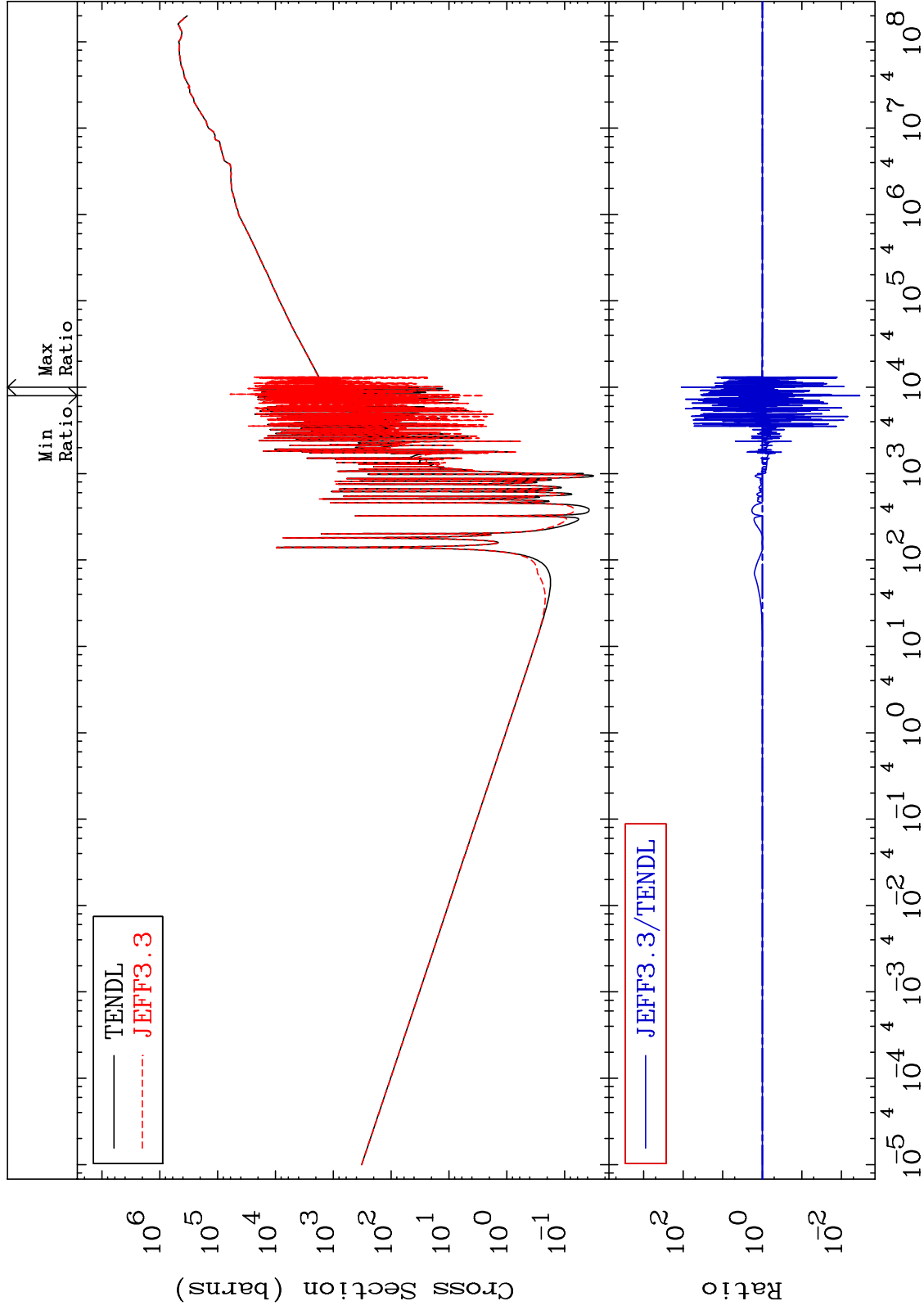
MAT 7037 Total kinematic kerma (high limit) 70-Yb-172  
 Cross Section -99.60 To 9999. %



MAT 7037

Dpa total (eV-barns)  
Cross Section

70-Yb-172  
-99.66 To 9999. %



75

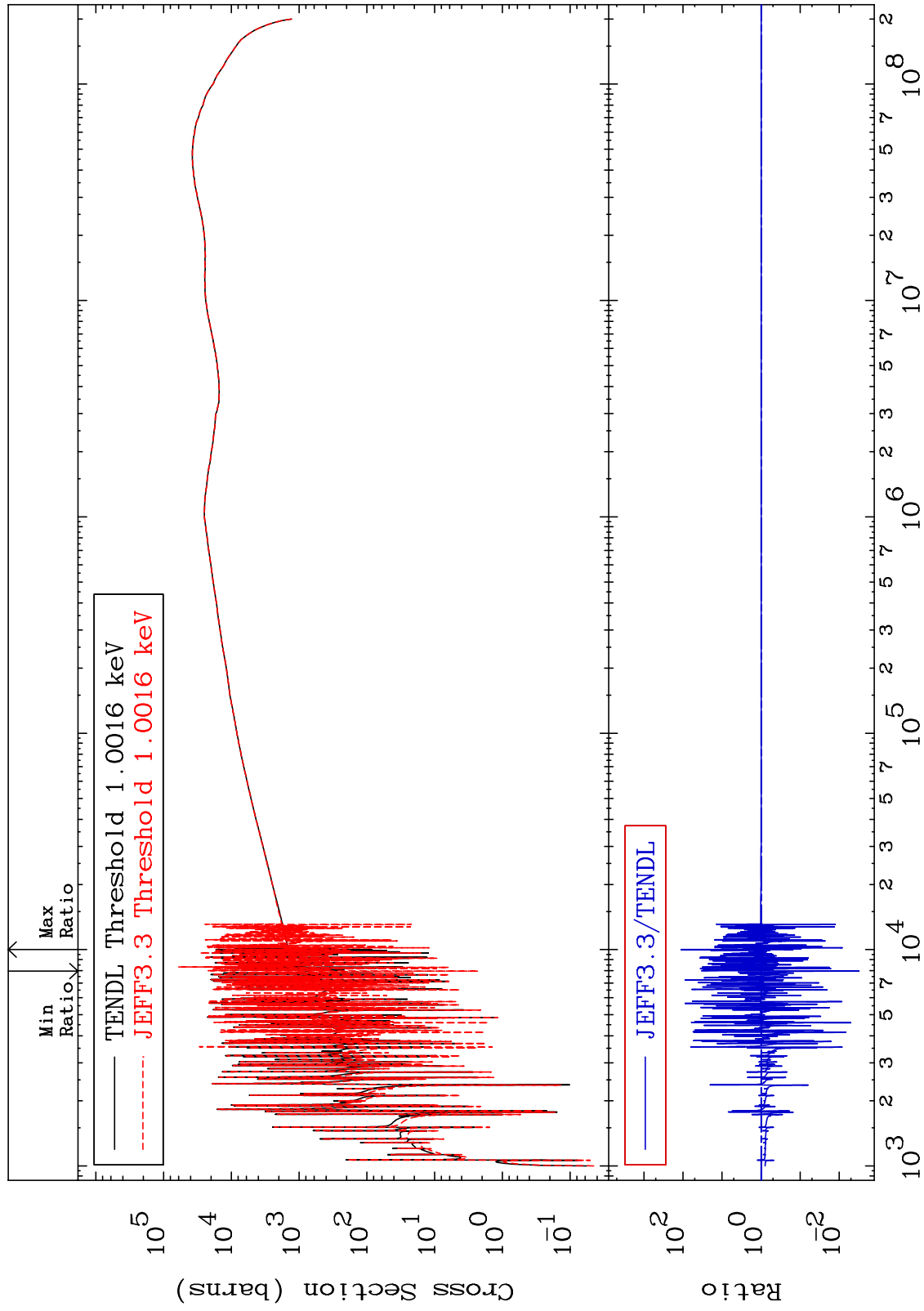
Incident Energy (eV)

70-Yb-172

MAT 7037

Dpa elastic (mt2)  
Cross Section

70-Yb-172  
-99.69 To 9999. %



76

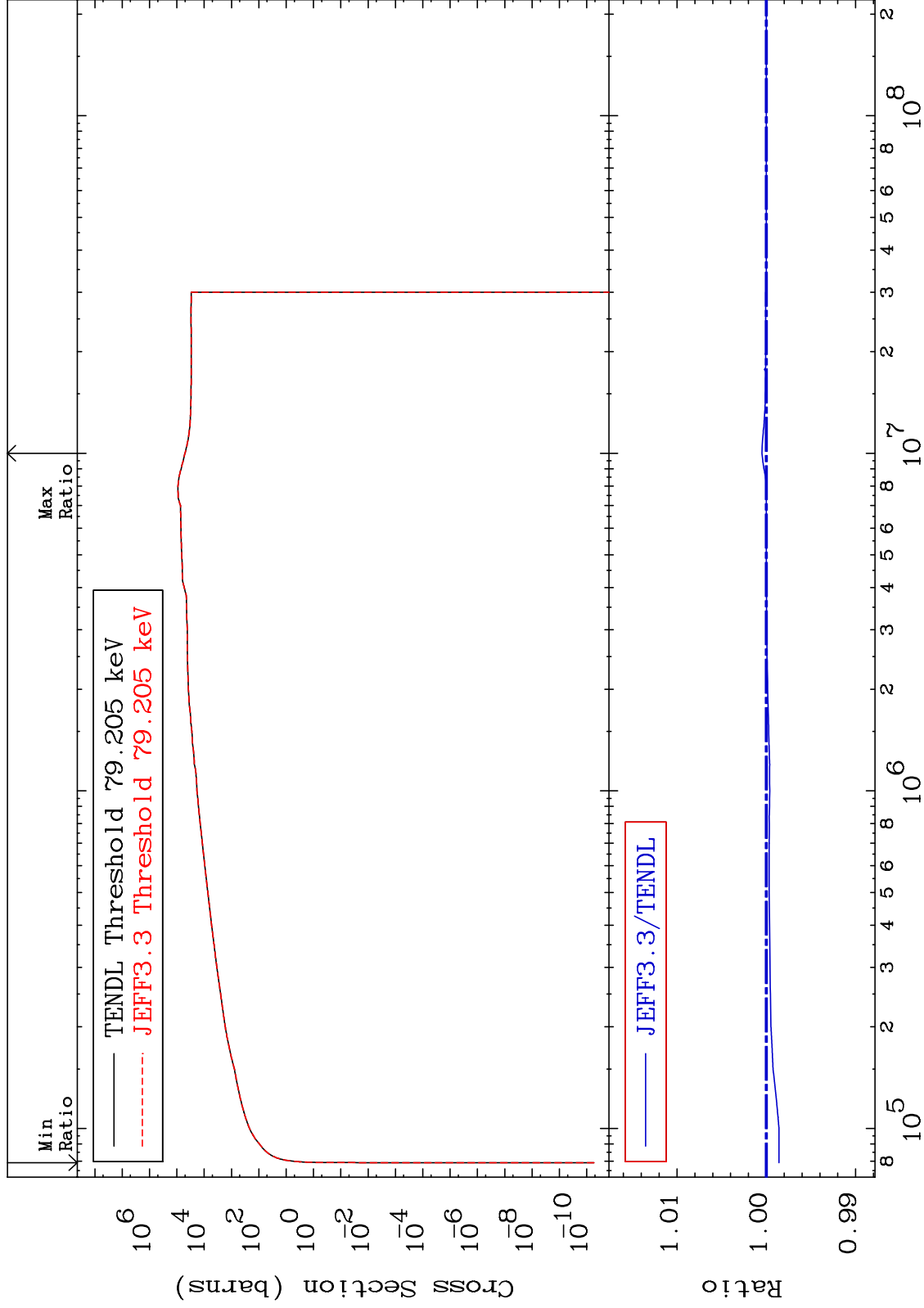
Incident Energy (eV)

70-Yb-172

MAT 7037

Dpa inelastic (mt51-91)  
Cross Section

70-Yb-172  
-0.142 To 0.049 %



77

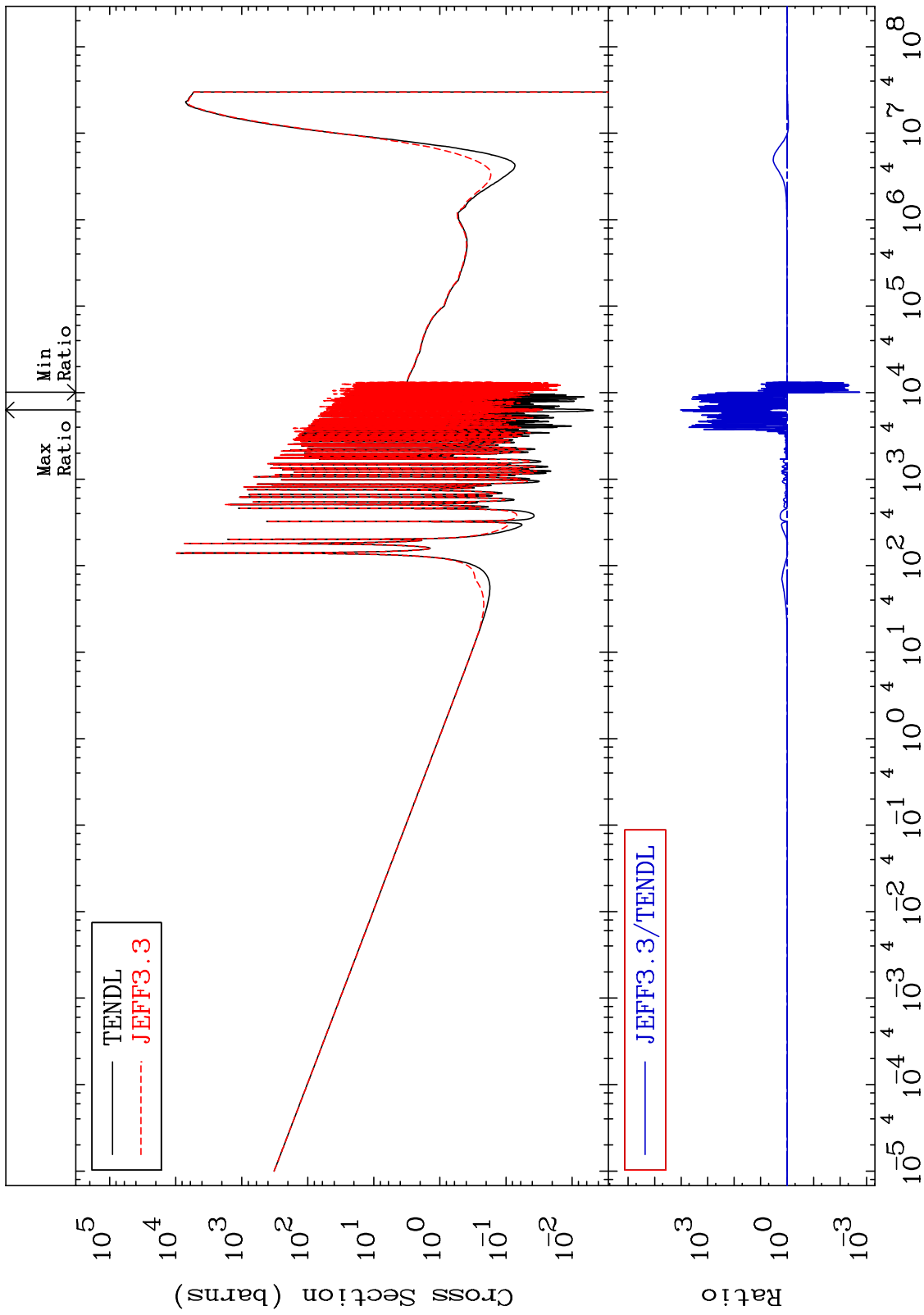
Incident Energy (eV)

70-Yb-172

MAT 7037

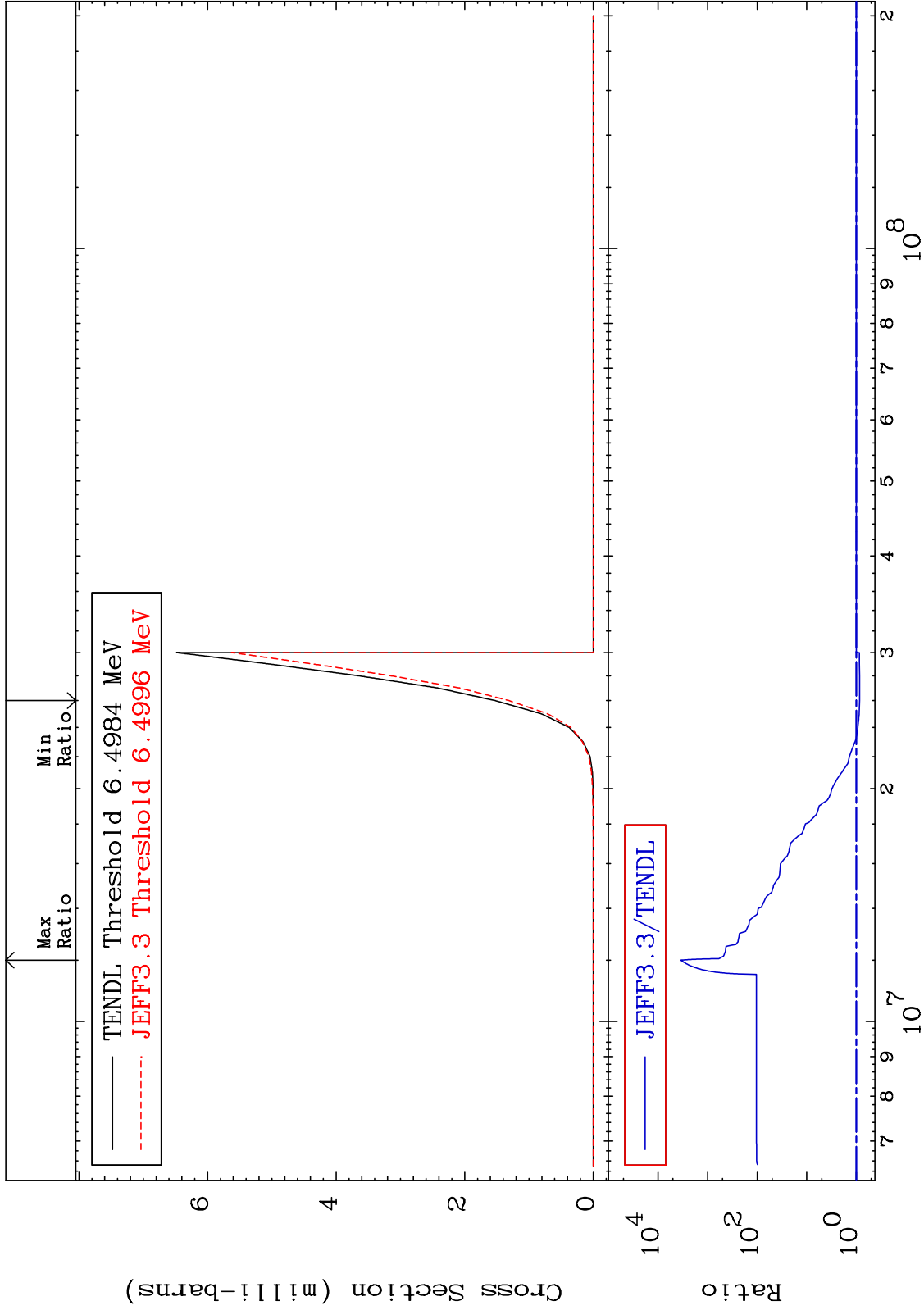
Dpa disappearance (mt102 -120)  
Cross Section

70-Yb-172  
-99.82 To 9999. %



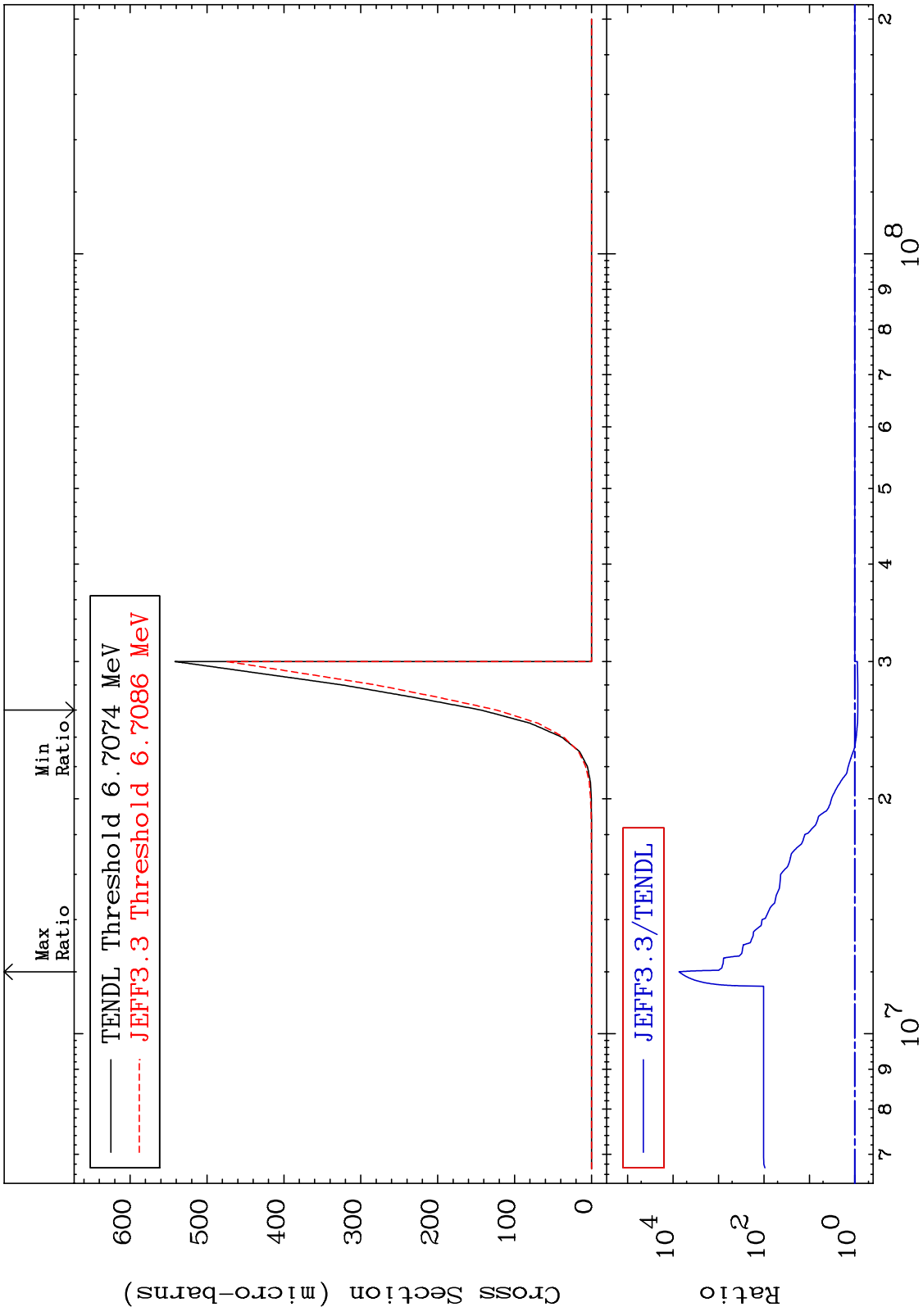
MAT 7037

(n,2n)  $\alpha$ :68-Er-167g 70-Yb-172  
Radionuclide Production Cross Section -14.15 To 9999. %

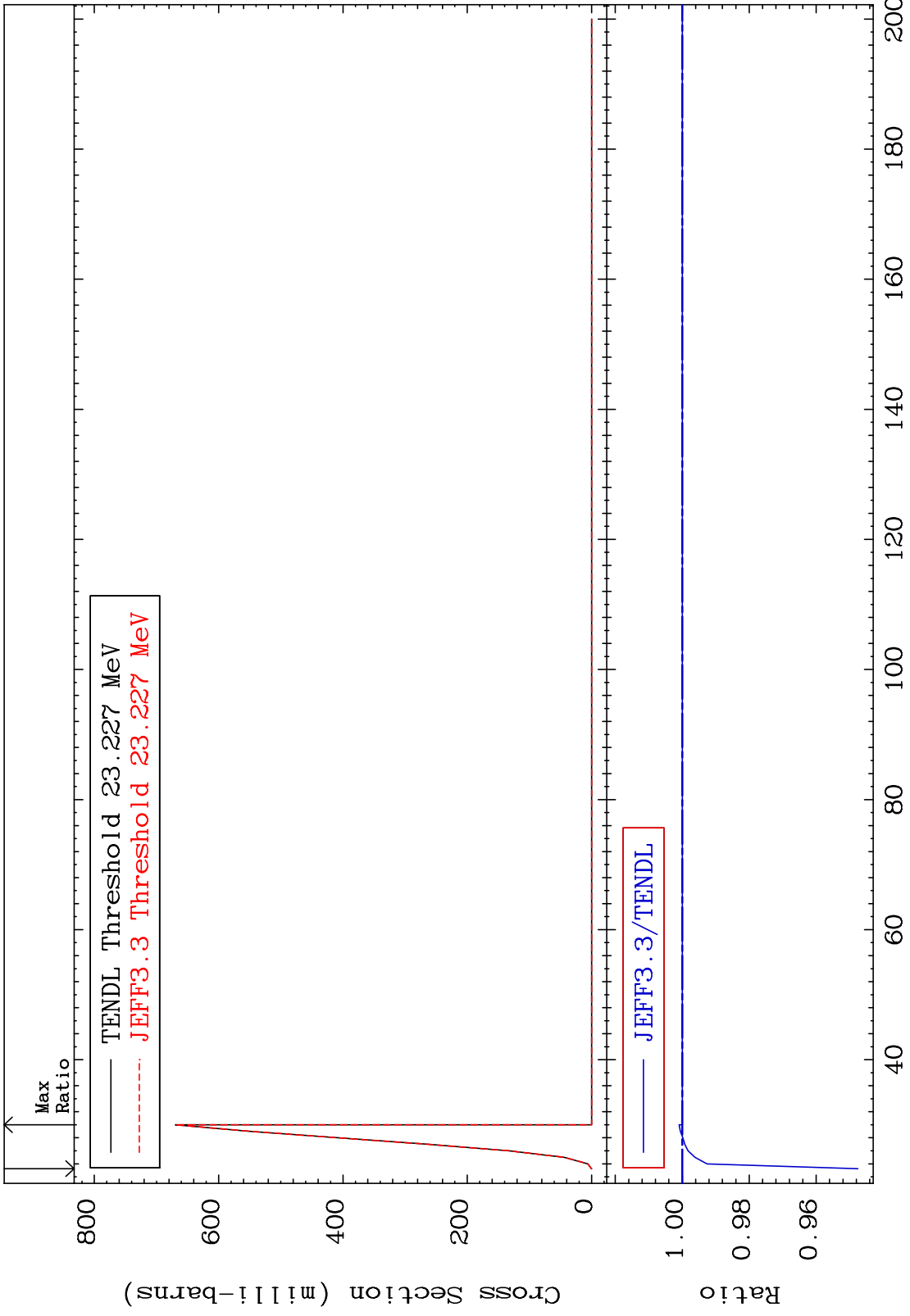




MAT 7037 (n,2n)  $\alpha$ : 68-Er-167m3 70-Yb-172  
 Radionuclide Production Cross Section -14.11 To 9999. %



MAT 7037 (n,4n):70-Yb-169g 70-Yb-172  
 Radionuclide Production Cross Section -5.248 To 0.094 %

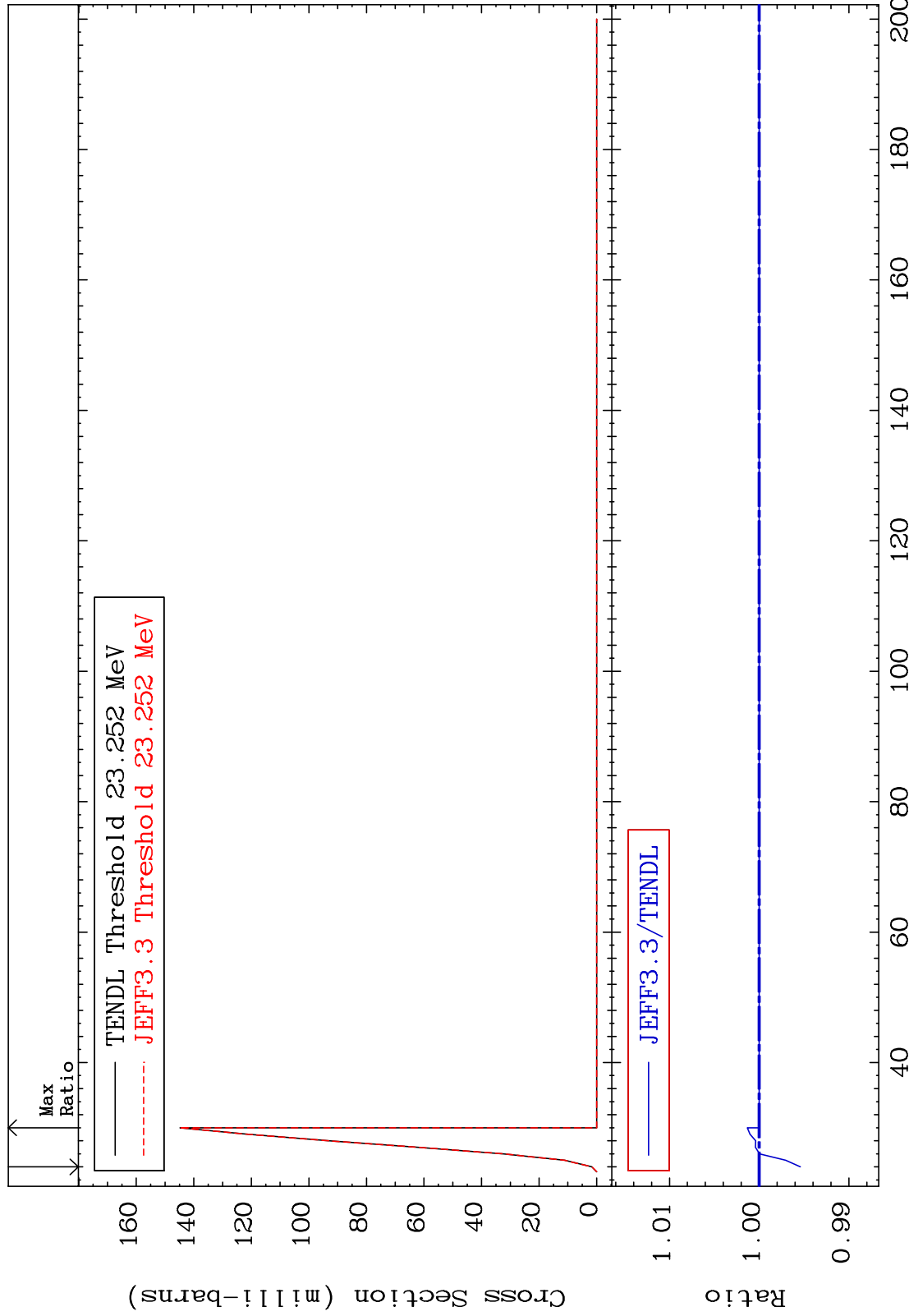


MAT 7037

(n, 4n) : 70-Yb-169m1

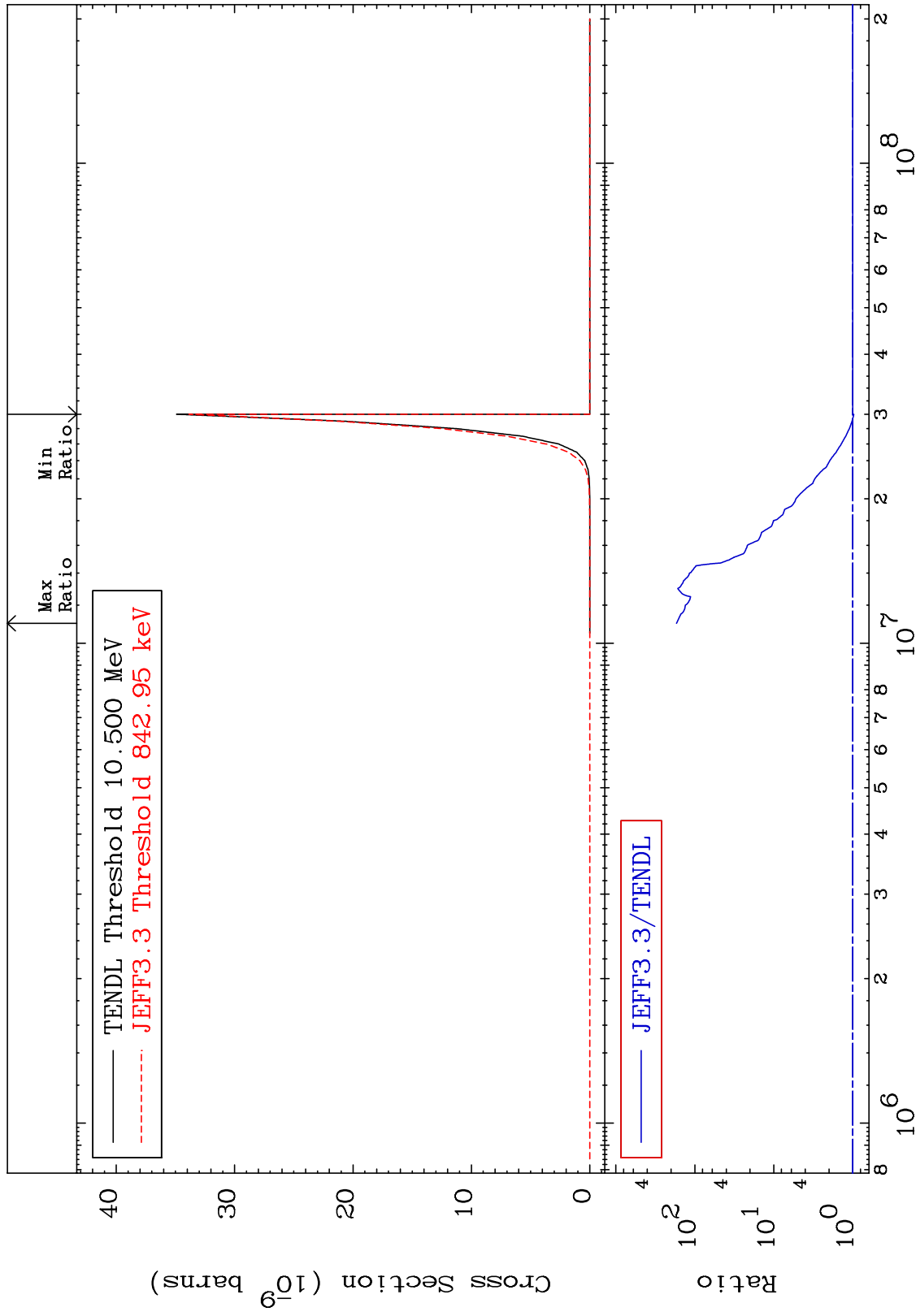
70-Yb-172

Radionuclide Production Cross Section -0.459 To 0.131 %



MAT 7037

(n,p)  $\alpha$ :67-Ho-168g 70-Yb-172  
Radionuclide Production Cross Section -2.962 To 9999. %



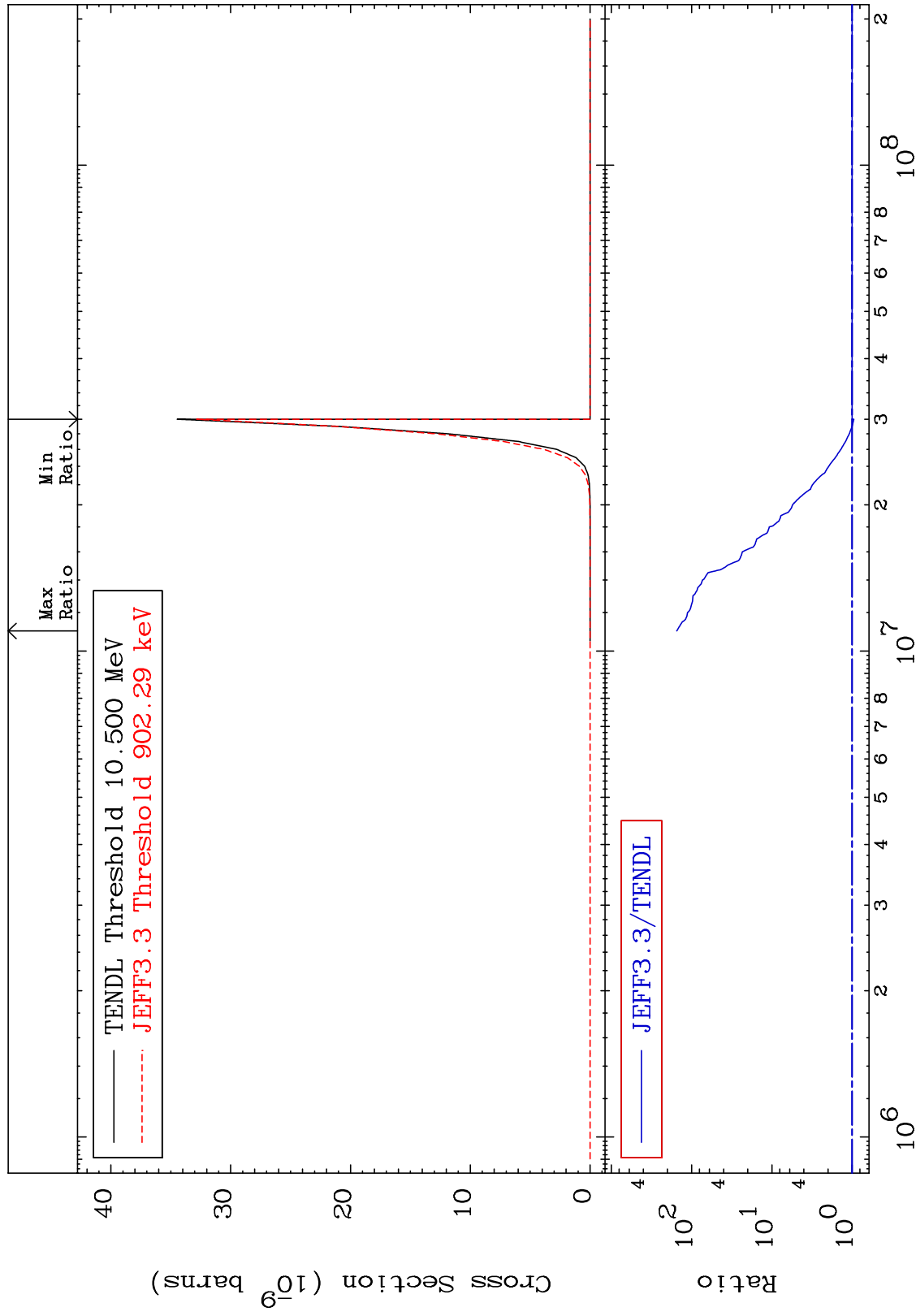
MAT 7037

(n, p)  $\alpha$ :67-Ho-168m1

70-Yb-172

Radionuclide Production Cross Section

-4.693 To 9999. %



84

70-Yb-172