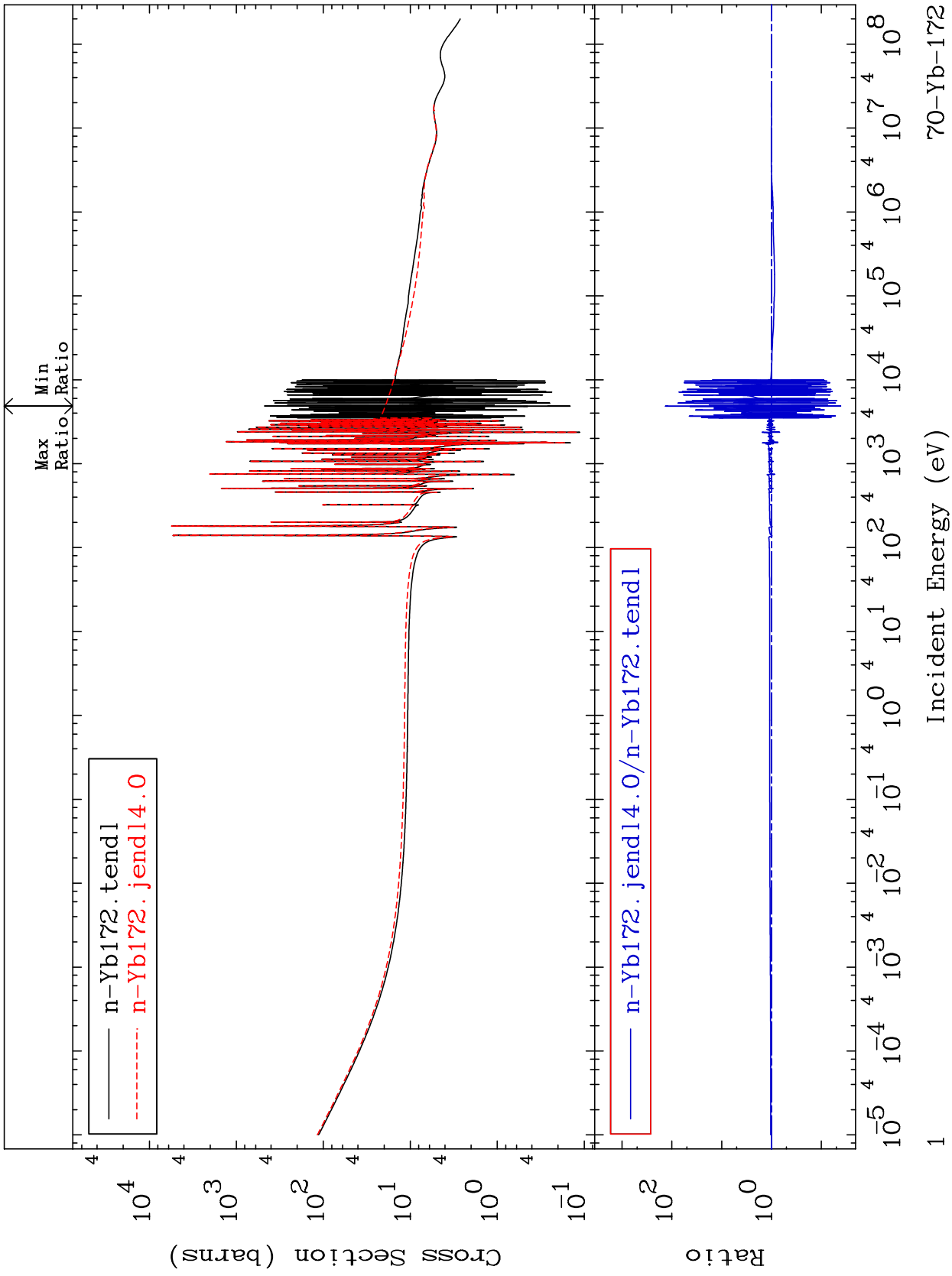


MAT 7037

Total  
Cross Section

70-Yb-172  
-95.91 To 9999. %



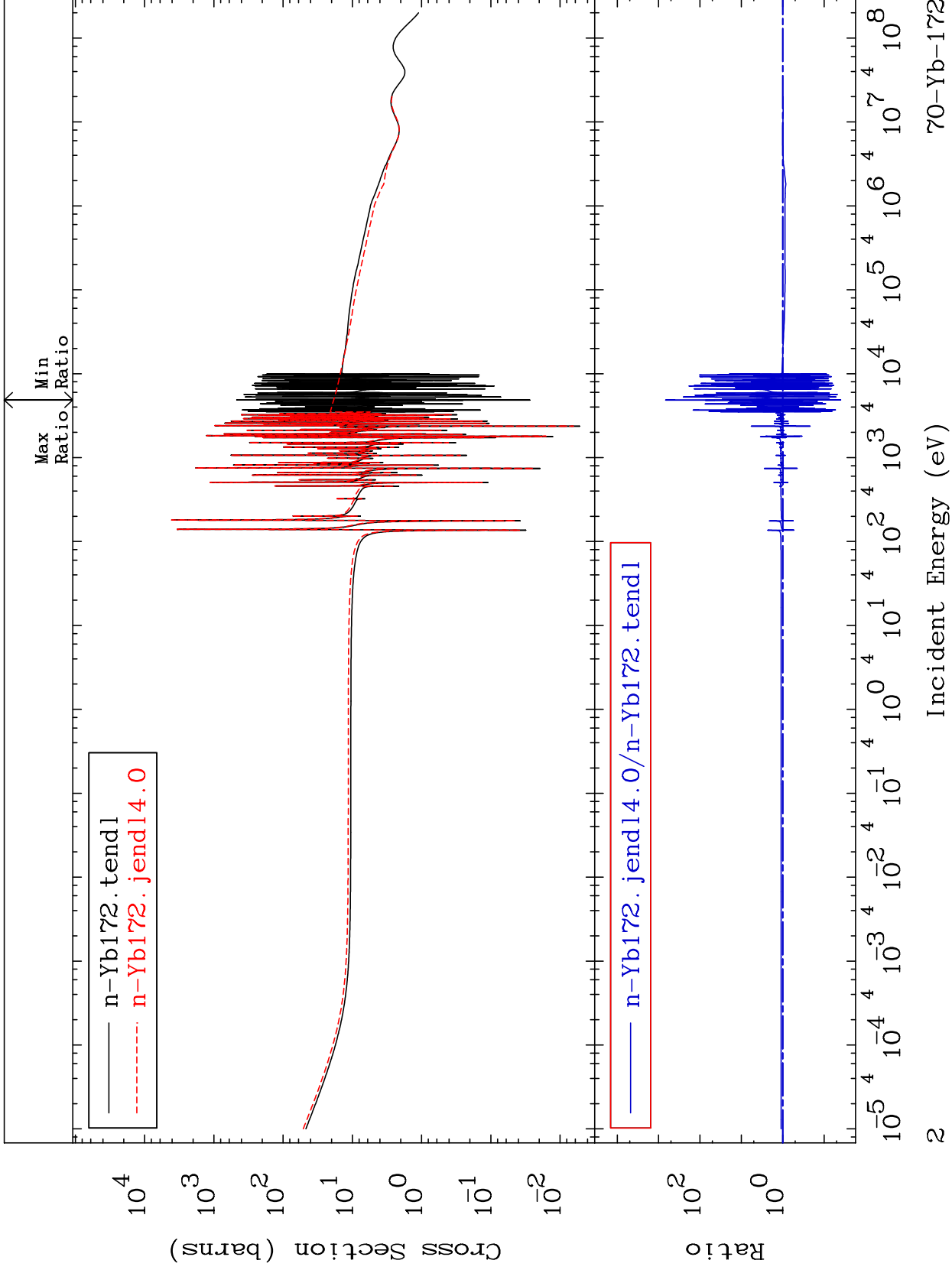
Incident Energy (eV)

70-Yb-172

MAT 7037

Elastic  
Cross Section

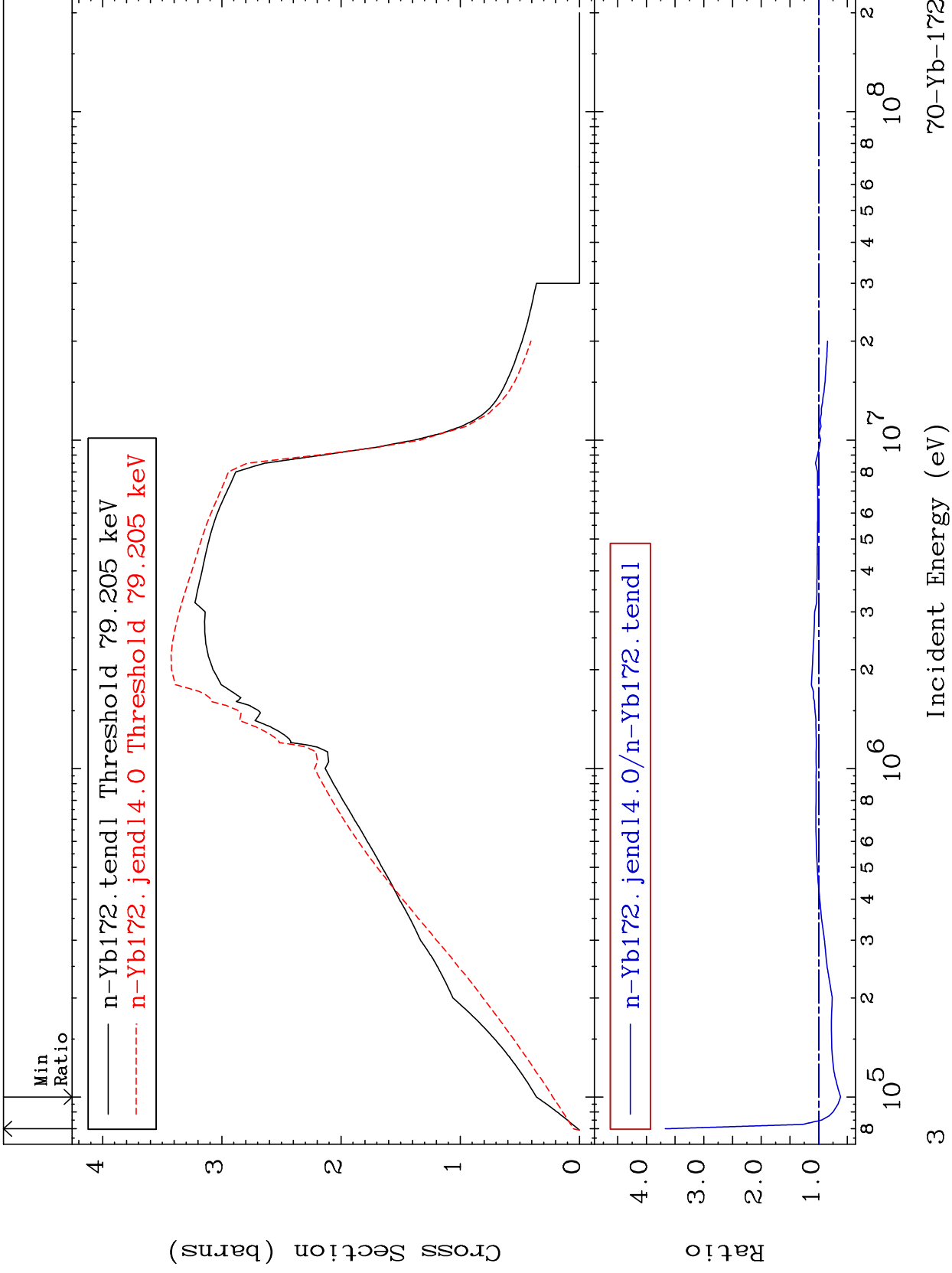
70-Yb-172  
-96.03 To 9999. %



MAT 7037

Inelastic  
Cross Section

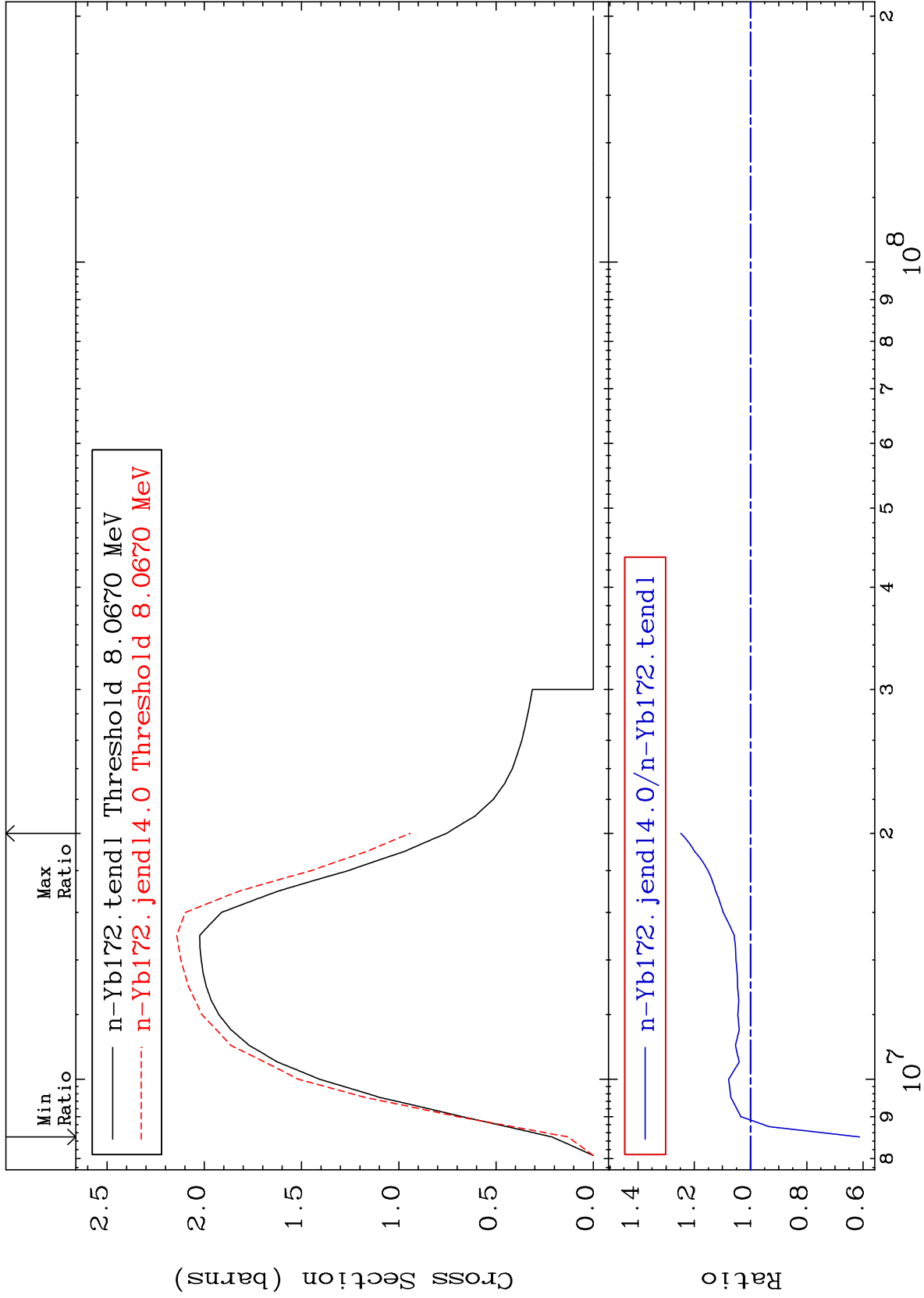
70-Yb-172  
-38.16 To 267.2 %

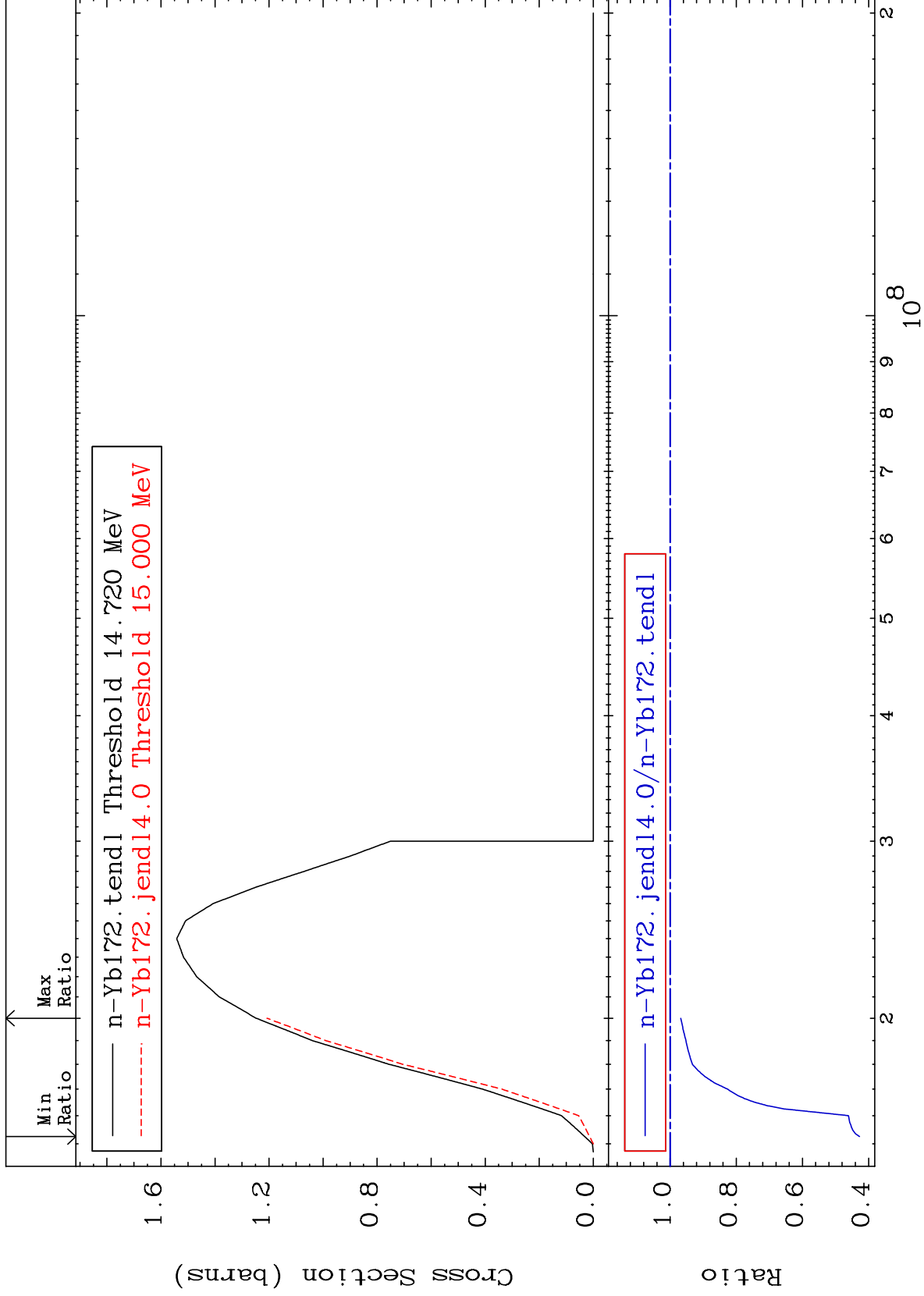


MAT 7037

(n,2n)  
Cross Section

70-Yb-172  
-38.74 To 24.81 %

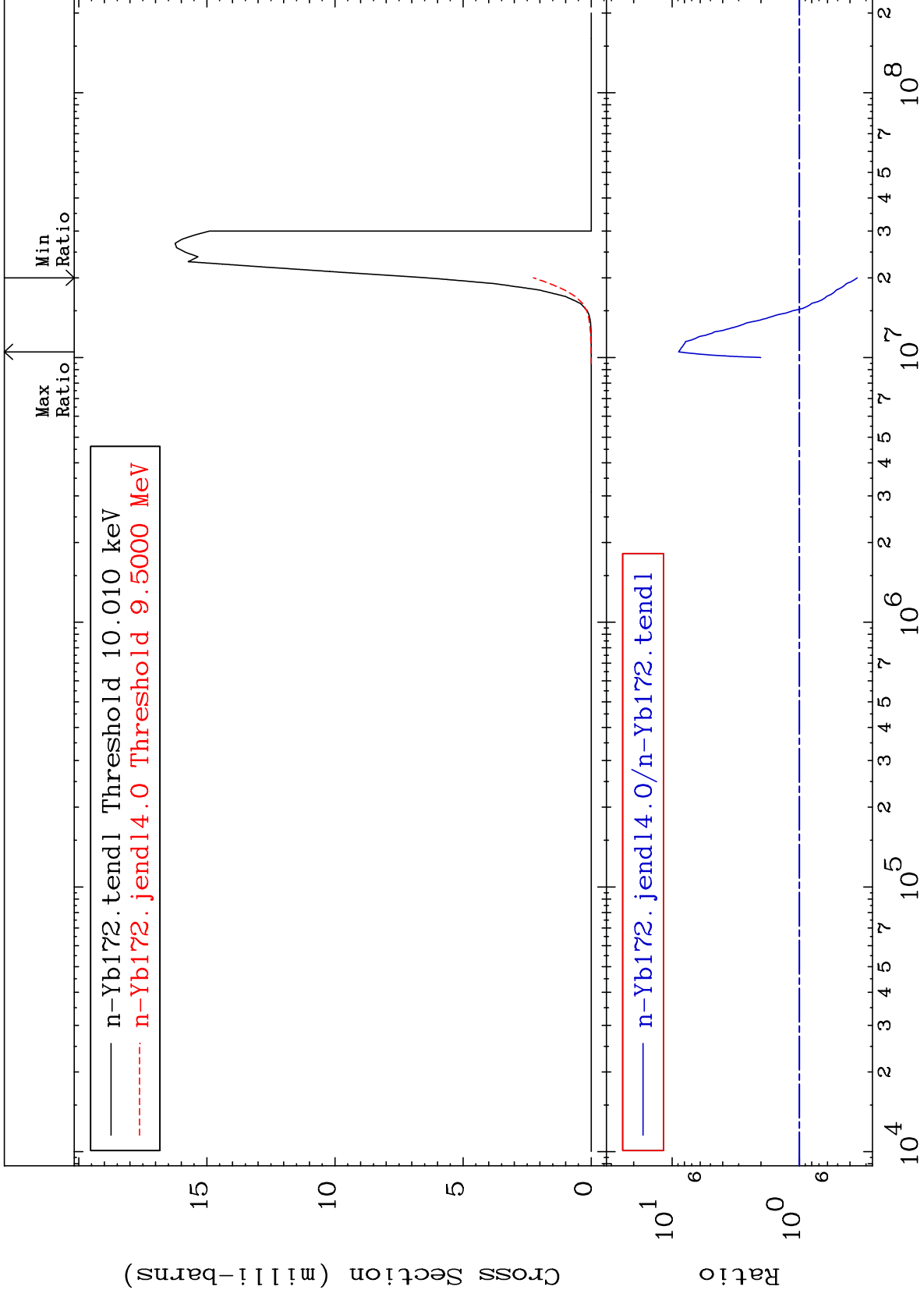




MAT 7037

$(n, n') \alpha$   
Cross Section

70-Yb-172  
-64.91 To 787.9 %



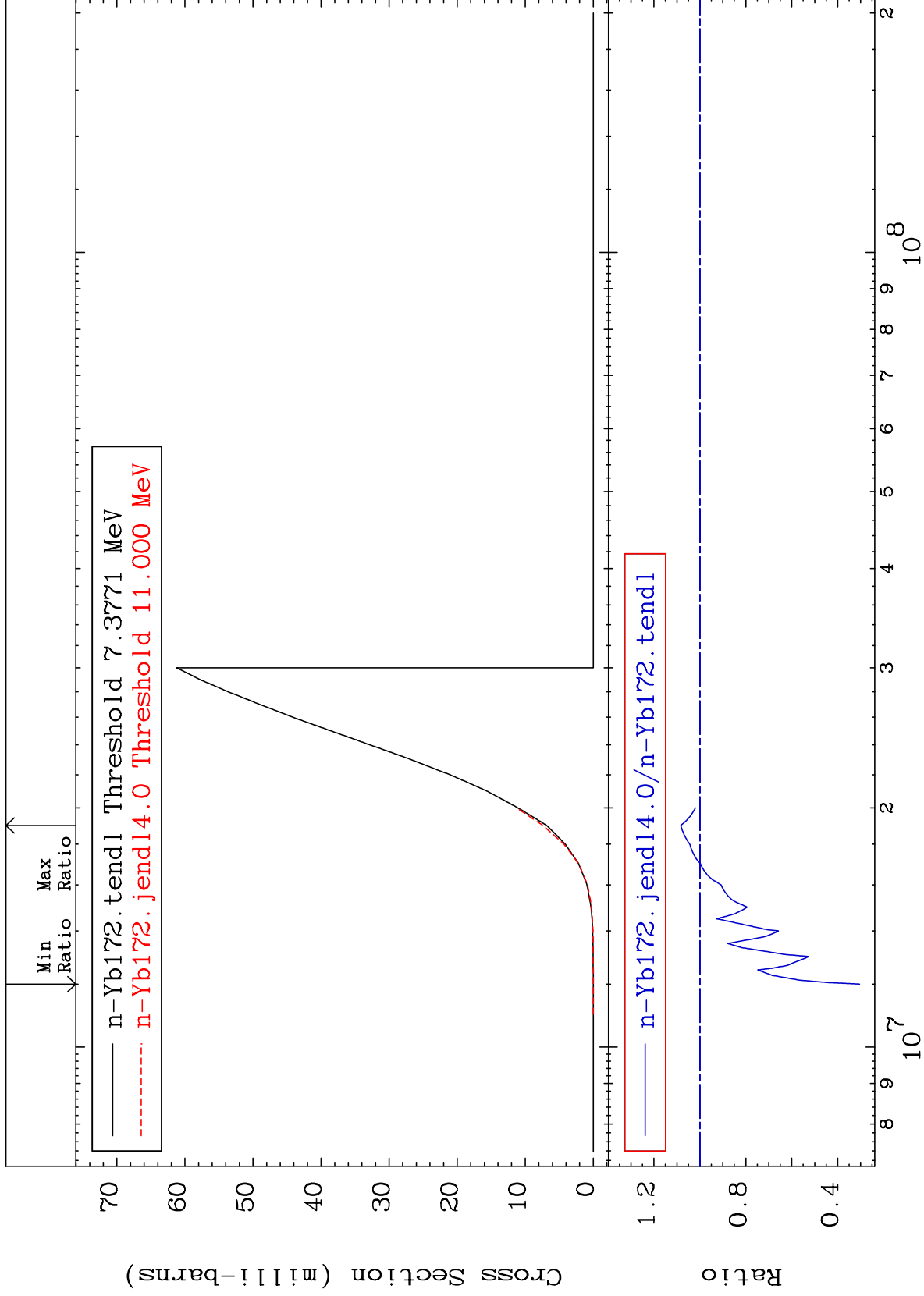
Incident Energy (eV)

70-Yb-172

MAT 7037

(n,n') p  
Cross Section

70-Yb-172  
-69.52 To 8.314 %



7

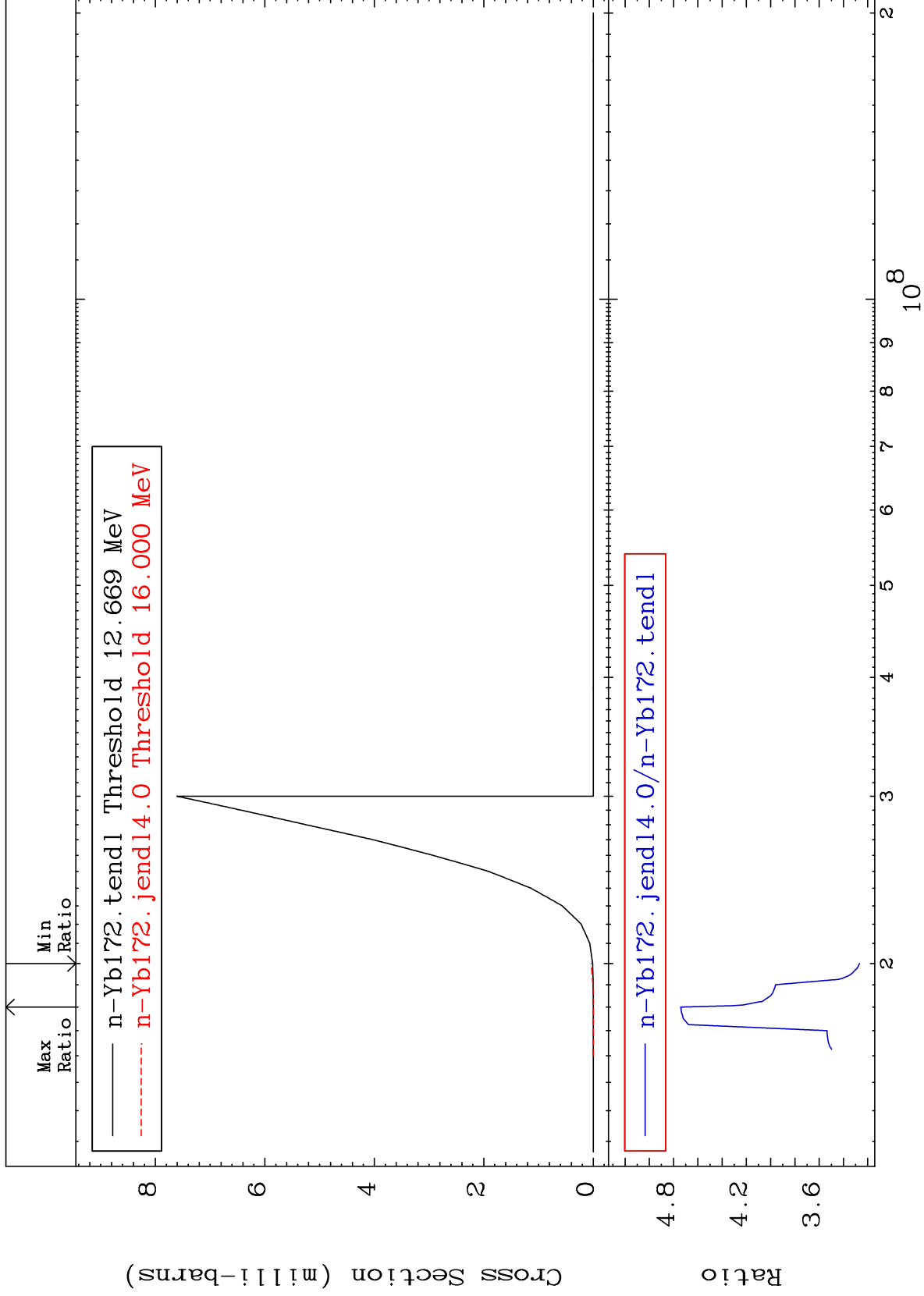
Incident Energy (eV)

70-Yb-172

MAT 7037

(n,n') d  
Cross Section

70-Yb-172  
226.8 To 374.1 %

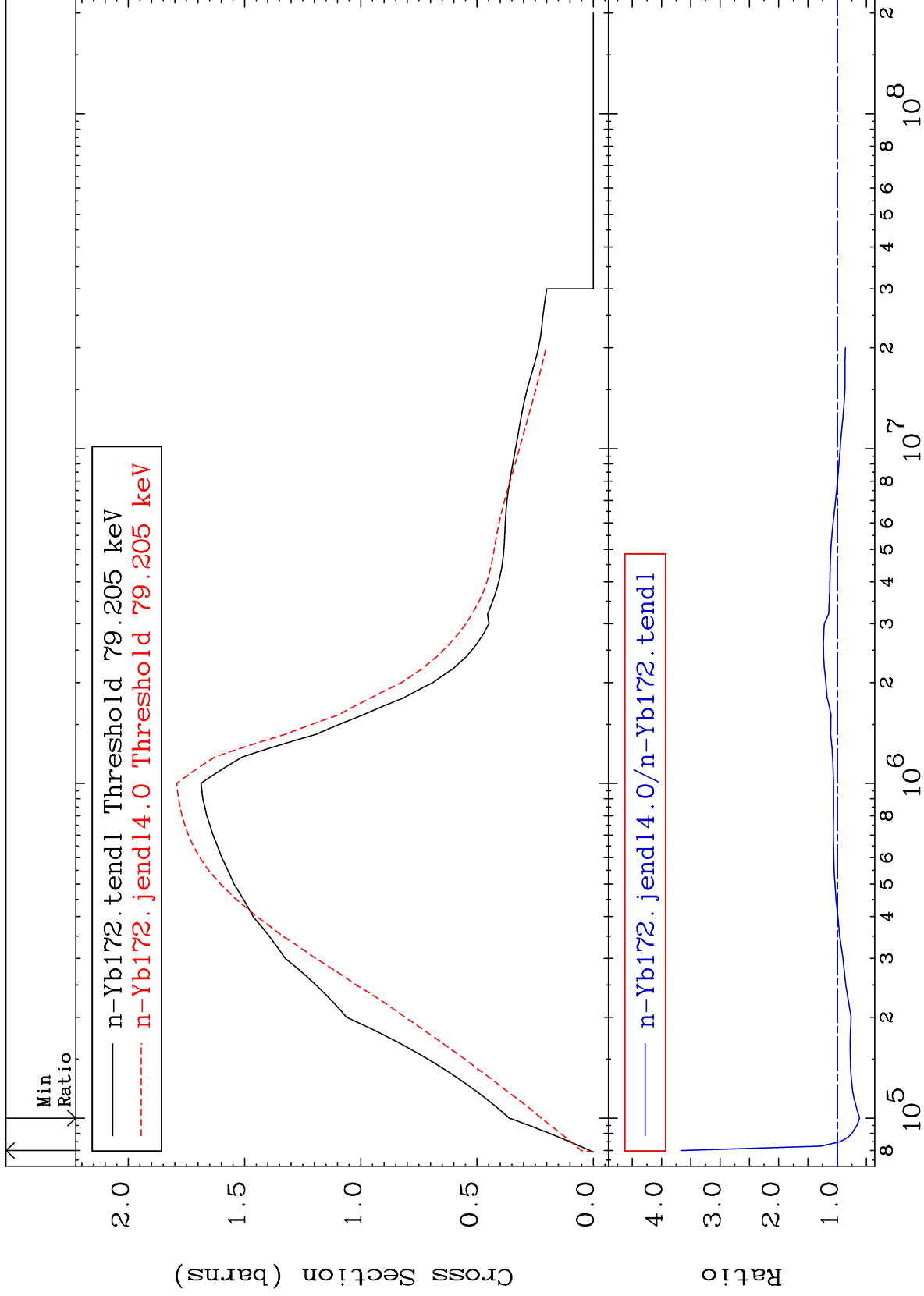




MAT 7037

MT= 51 (n,n') Level  
Cross Section

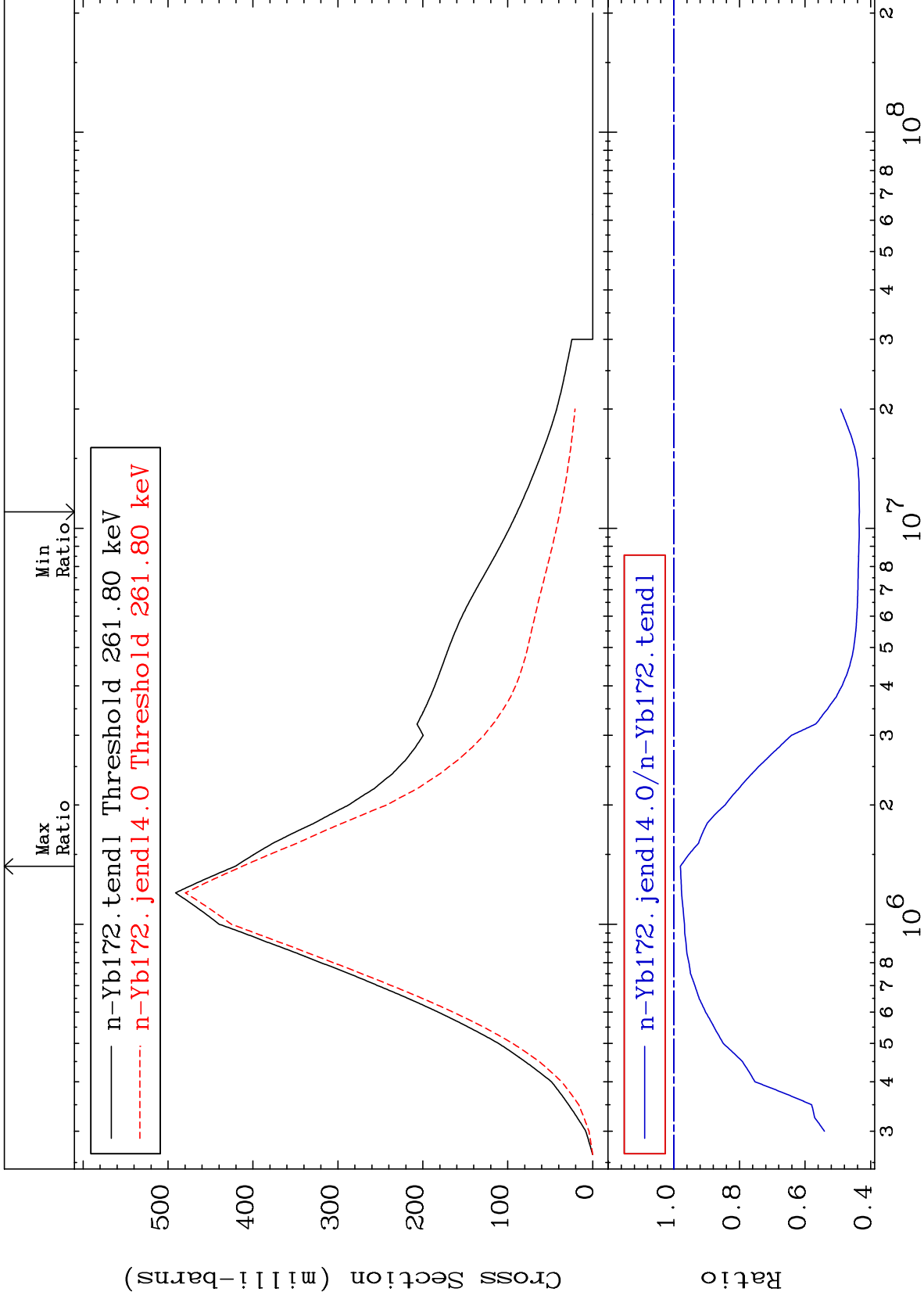
70-Yb-172  
-38.16 To 267.2 %



MAT 7037

MT= 52 (n, n') Level  
Cross Section

70-Yb-172  
-56.55 To -2.004%



10

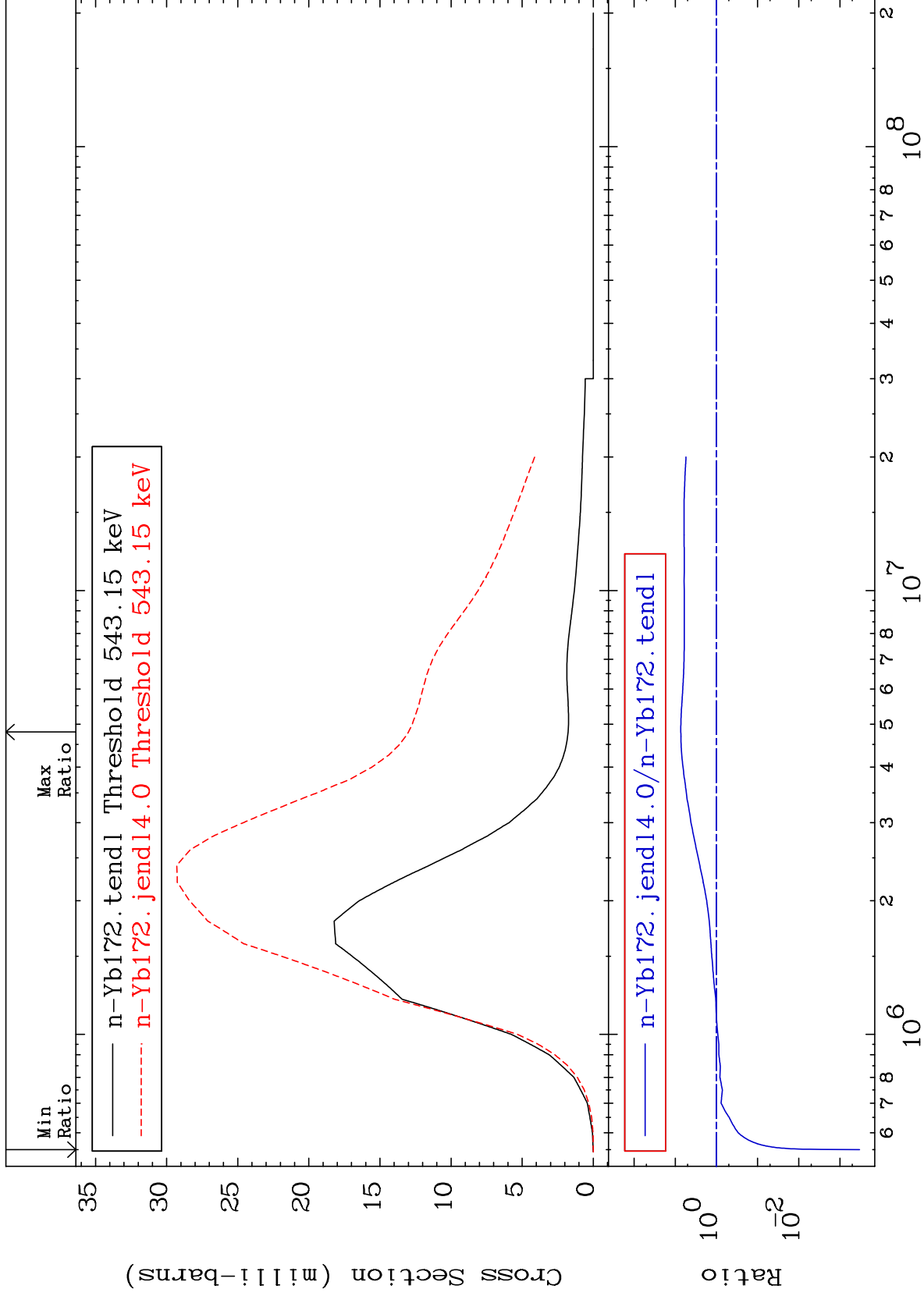
Incident Energy (eV)

70-Yb-172

MAT 7037

MT= 53 (n, n') Level  
Cross Section

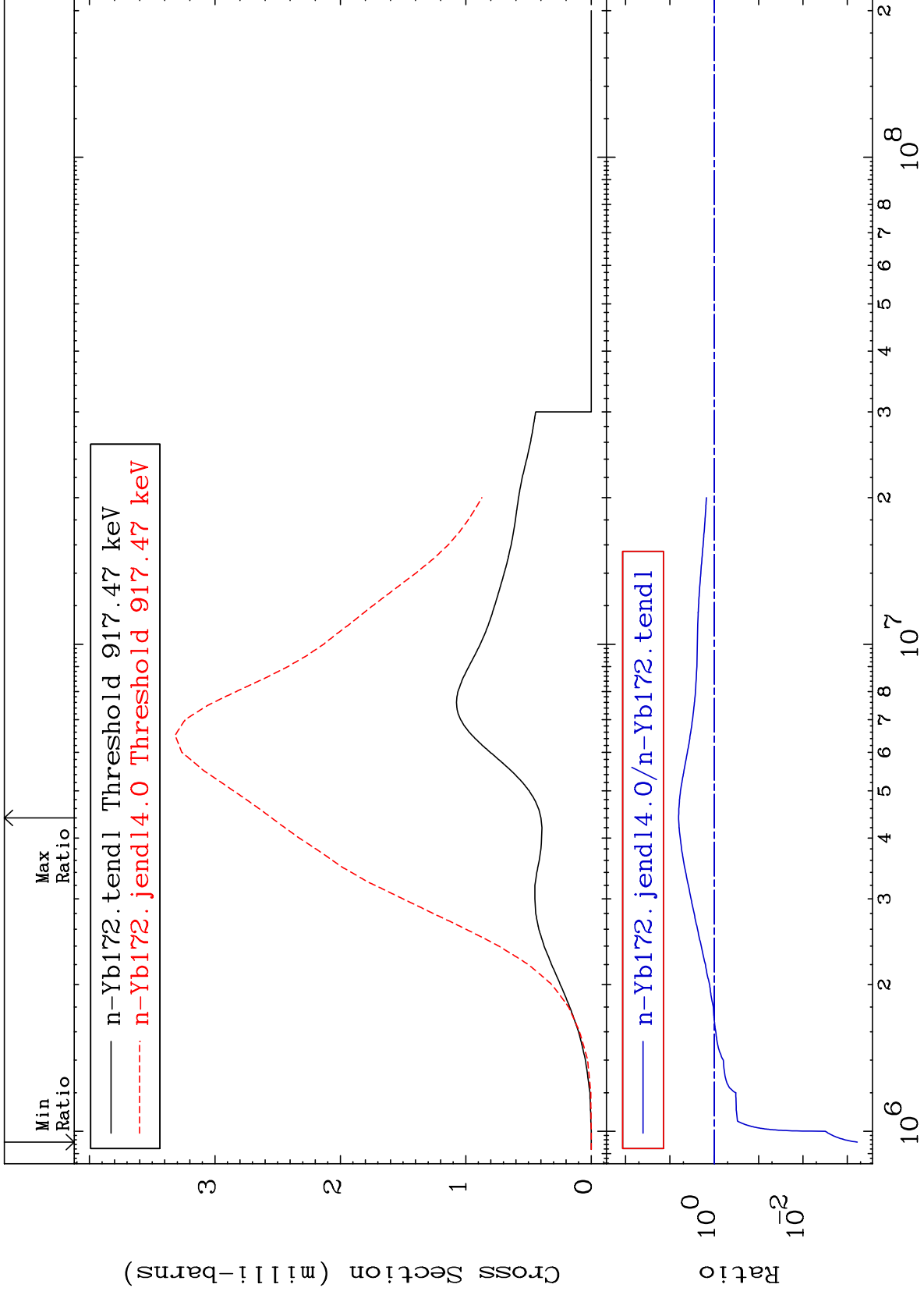
70-Yb-172  
-99.97 To 633.8 %



MAT 7037

MT= 54 (n,n') Level  
Cross Section

70-Yb-172  
-99.94 To 536.7 %



12

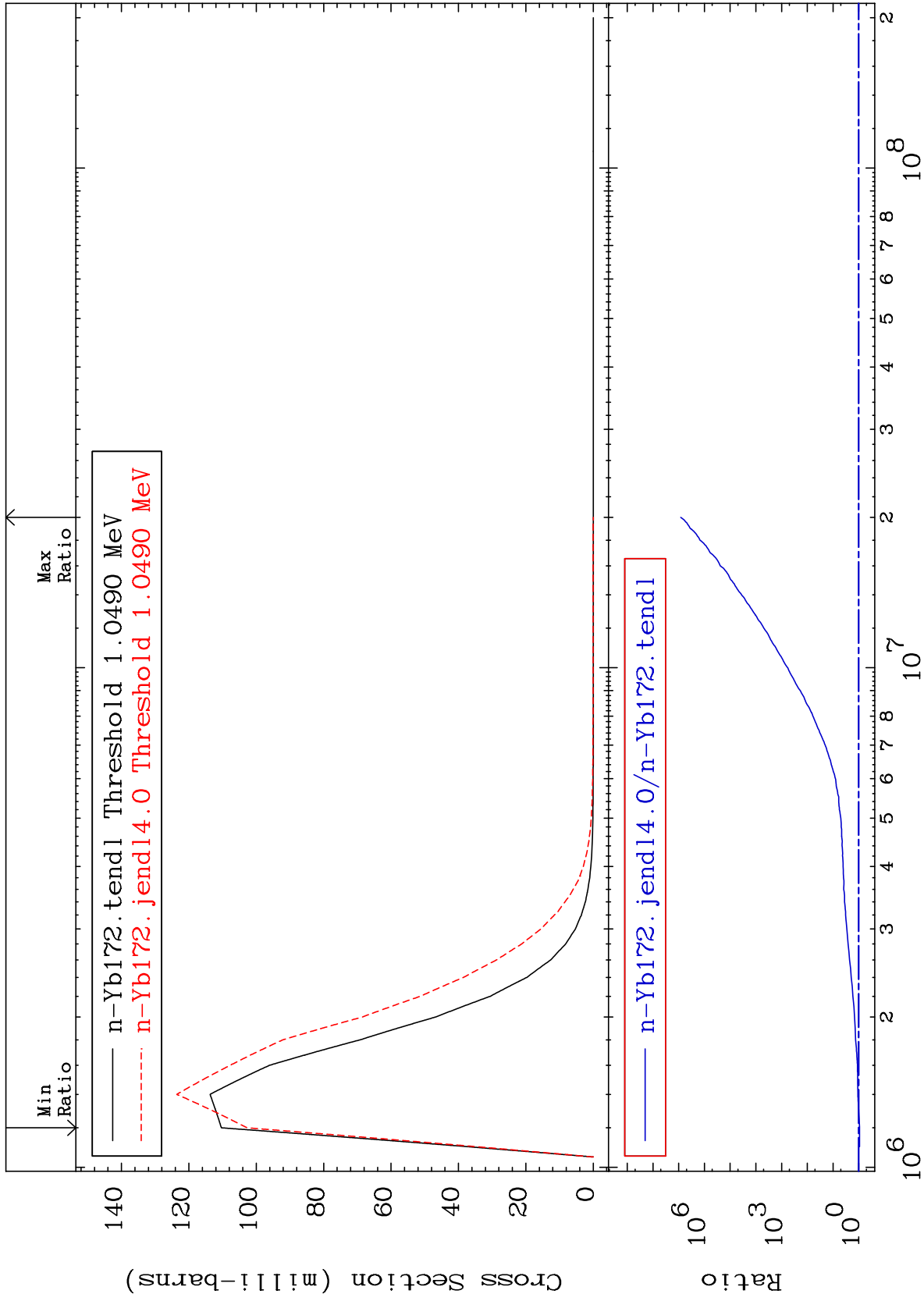
Incident Energy (eV)

70-Yb-172

MAT 7037

MT= 55 (n,n') Level  
Cross Section

70-Yb-172  
-6.932 To 9999. %



13

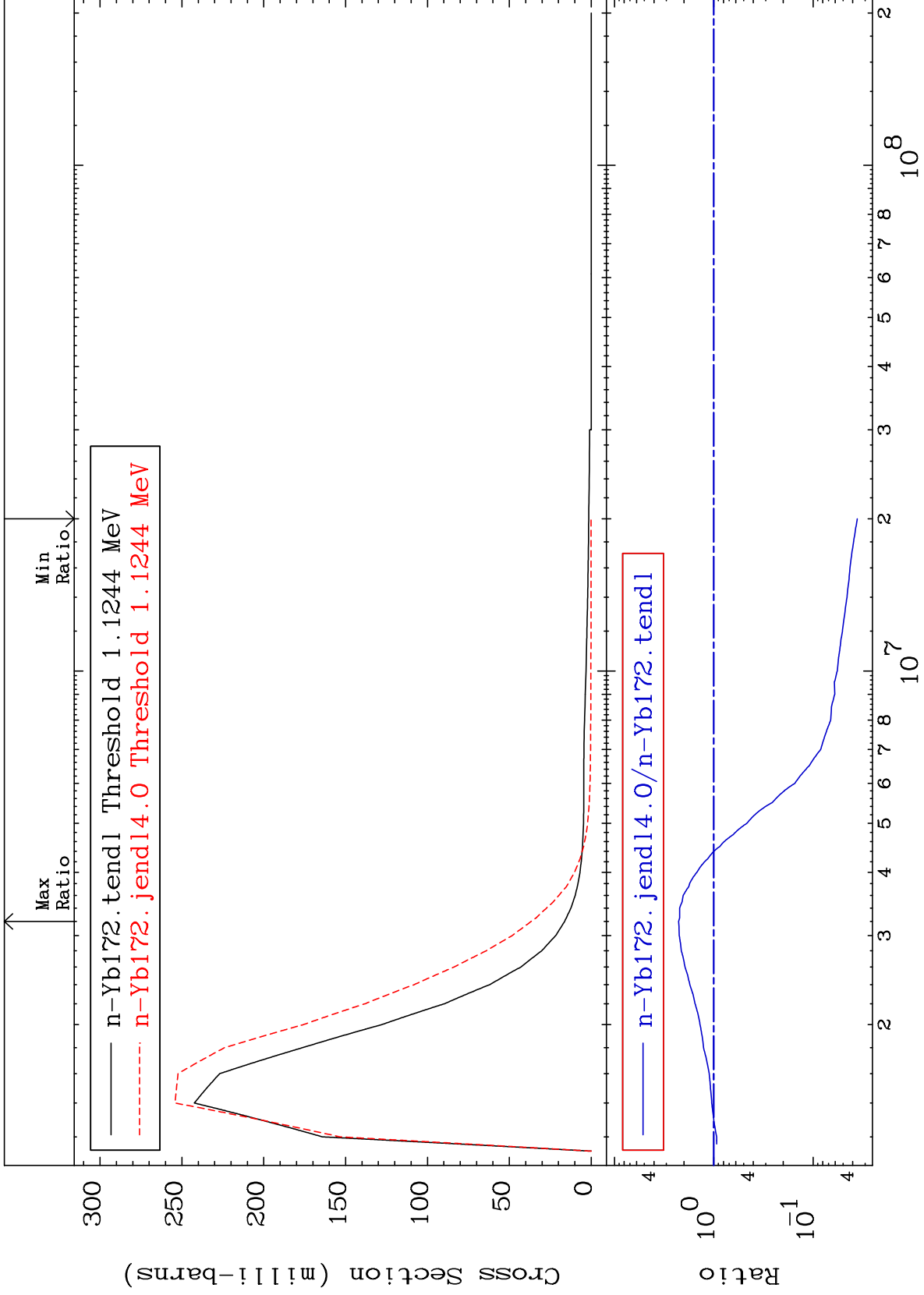
Incident Energy (eV)

70-Yb-172

MAT 7037

MT= 56 (n, n') Level  
Cross Section

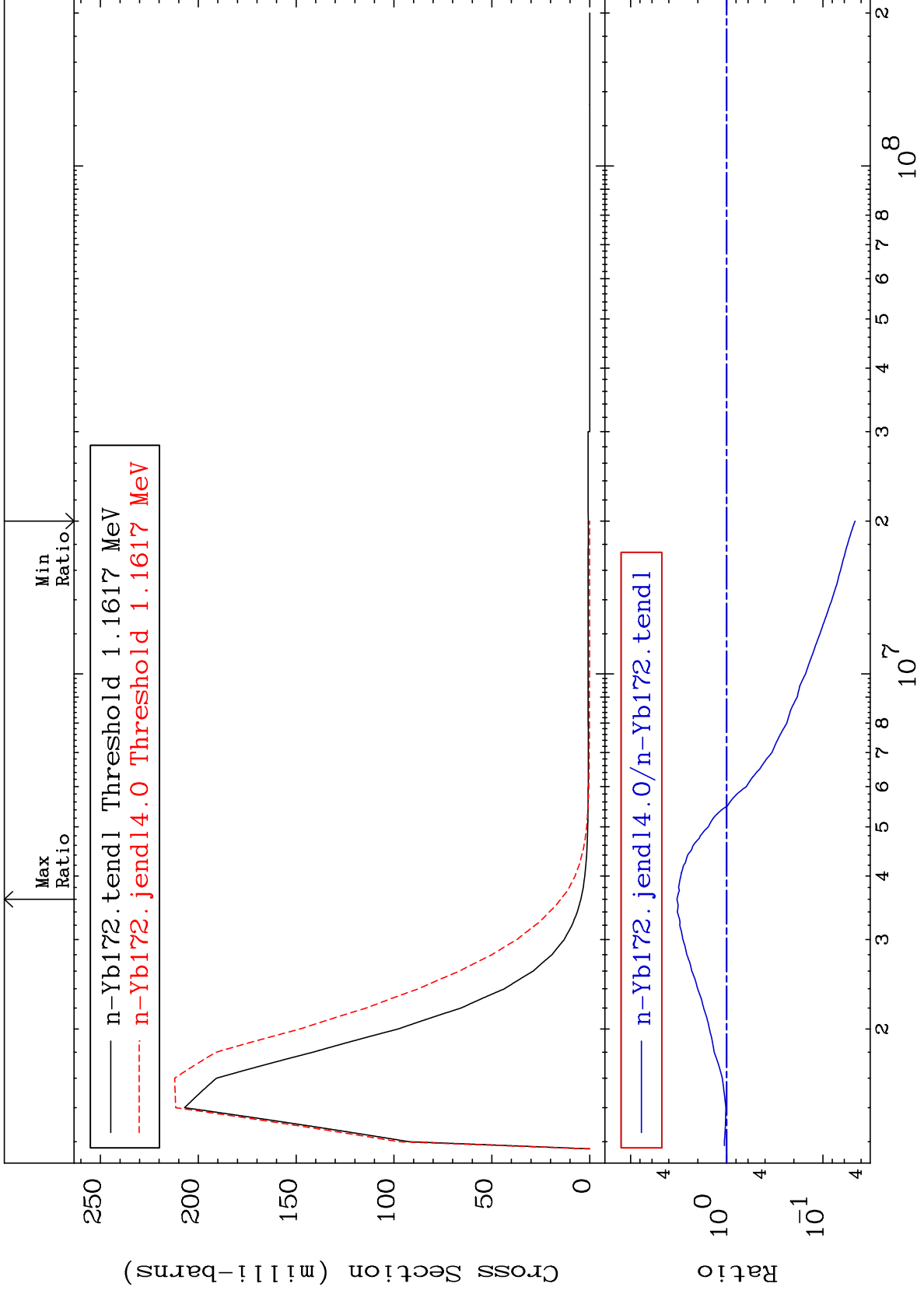
70-Yb-172  
-96.41 To 125.9 %



MAT 7037

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

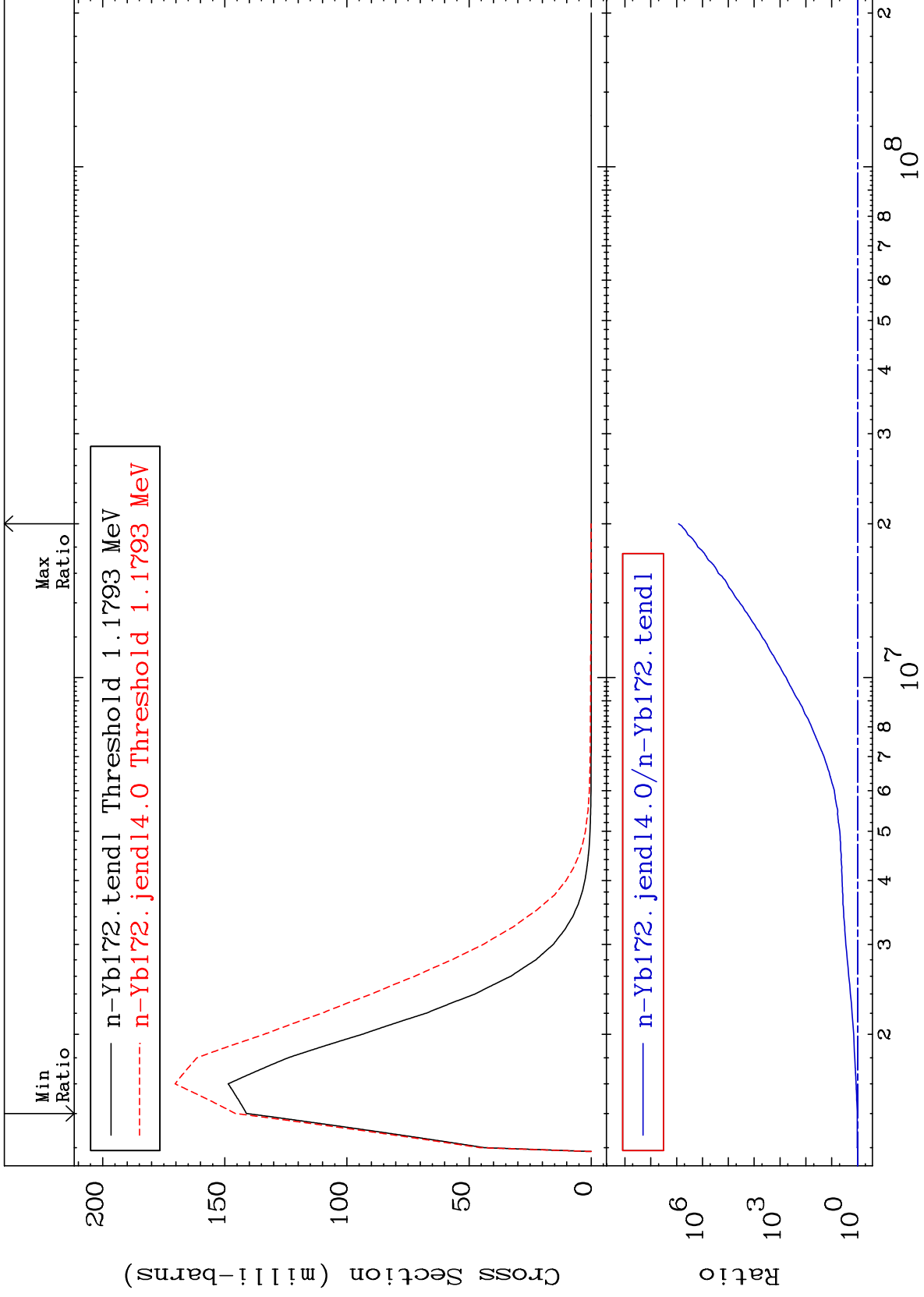
70-Yb-172  
-95.37 To 229.4 %



MAT 7037

MT= 58 (n, n') Level  
Cross Section

70-Yb-172  
3.234 To 9999. %

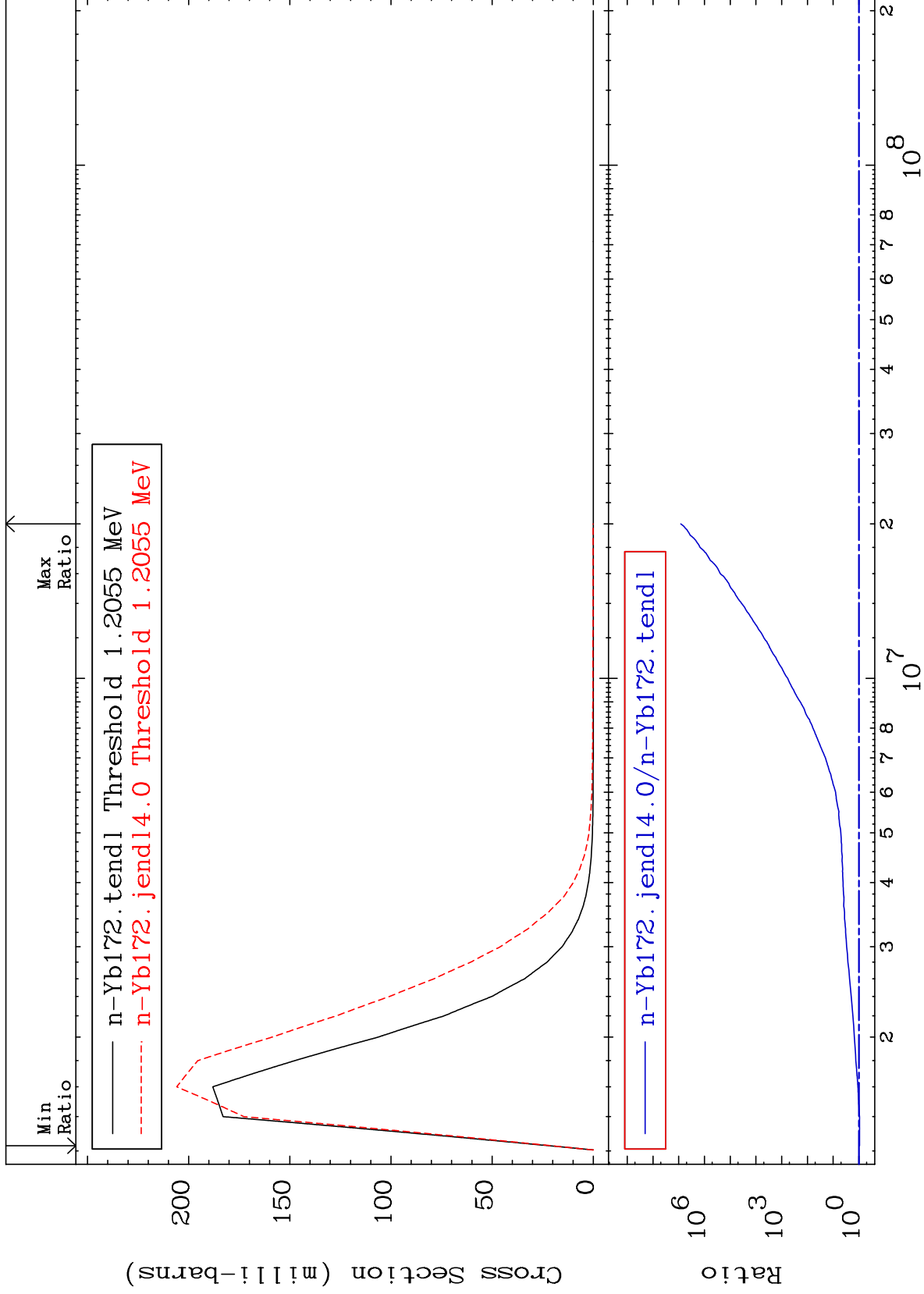




MAT 7037

MT= 59 (n,n') Level  
Cross Section

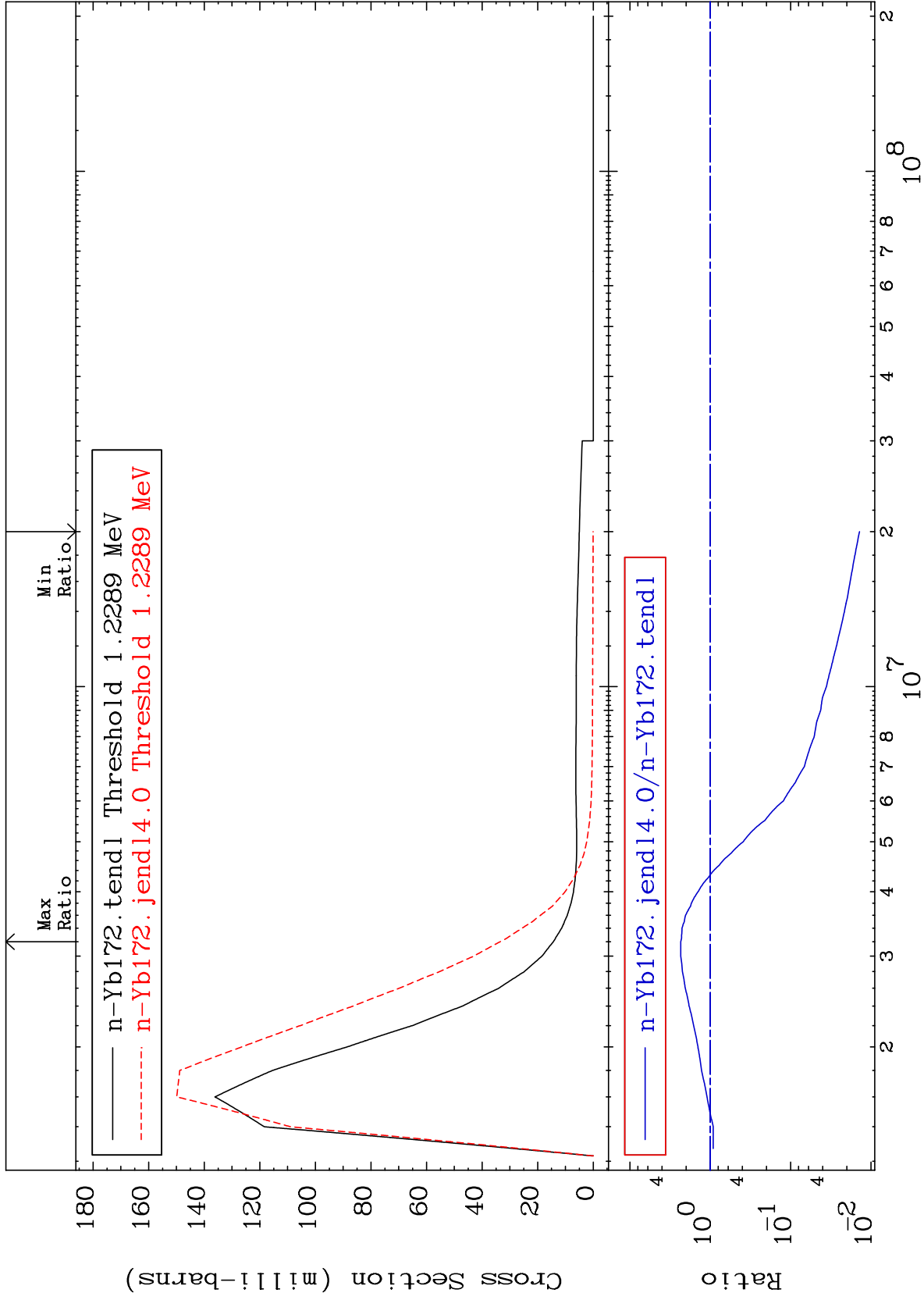
70-Yb-172  
-5.581 To 9999. %



MAT 7037

MT= 60 (n,n') Level  
Cross Section

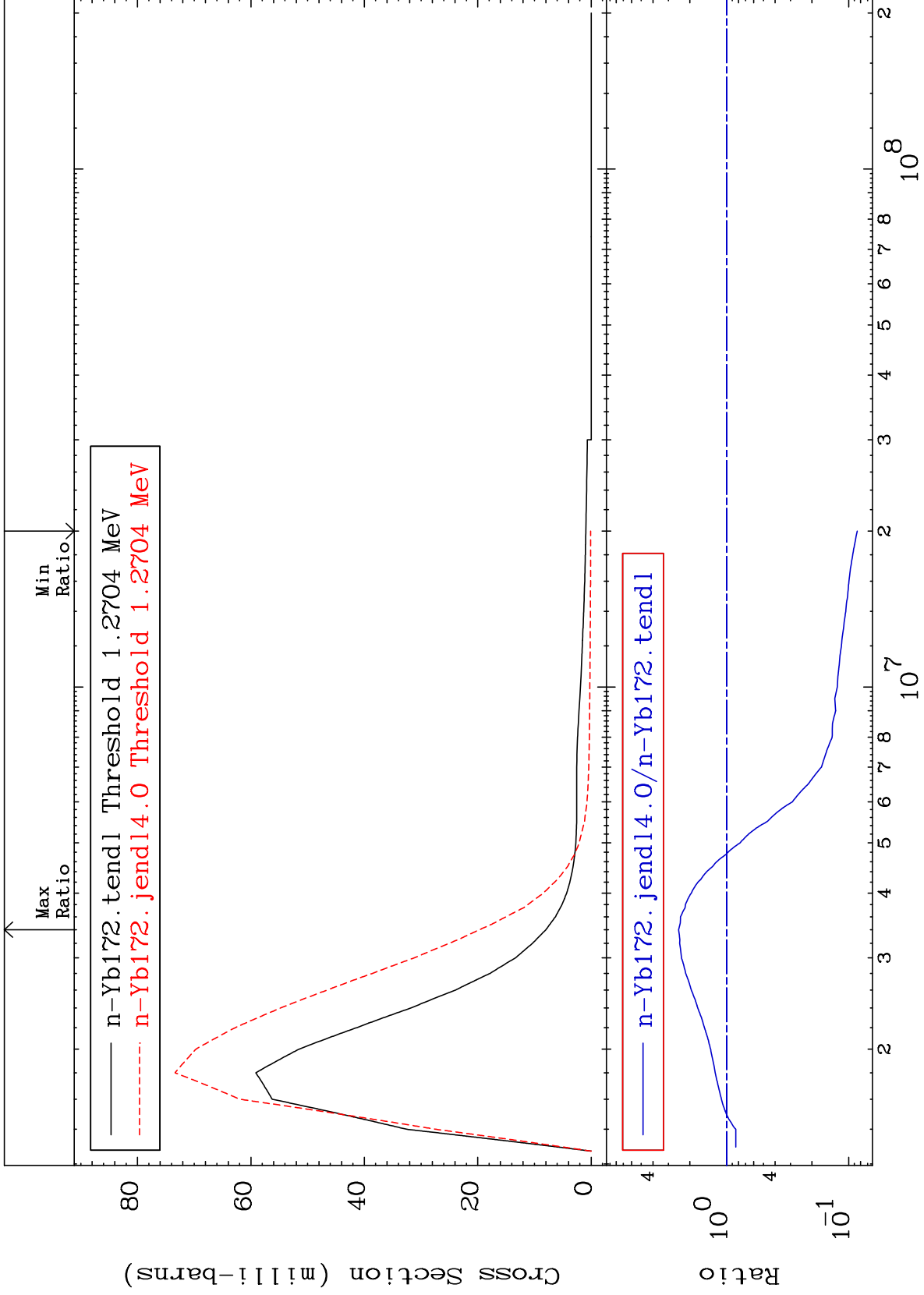
70-Yb-172  
-98.61 To 133.4 %



MAT 7037

MT= 61 (n,n') Level  
Cross Section

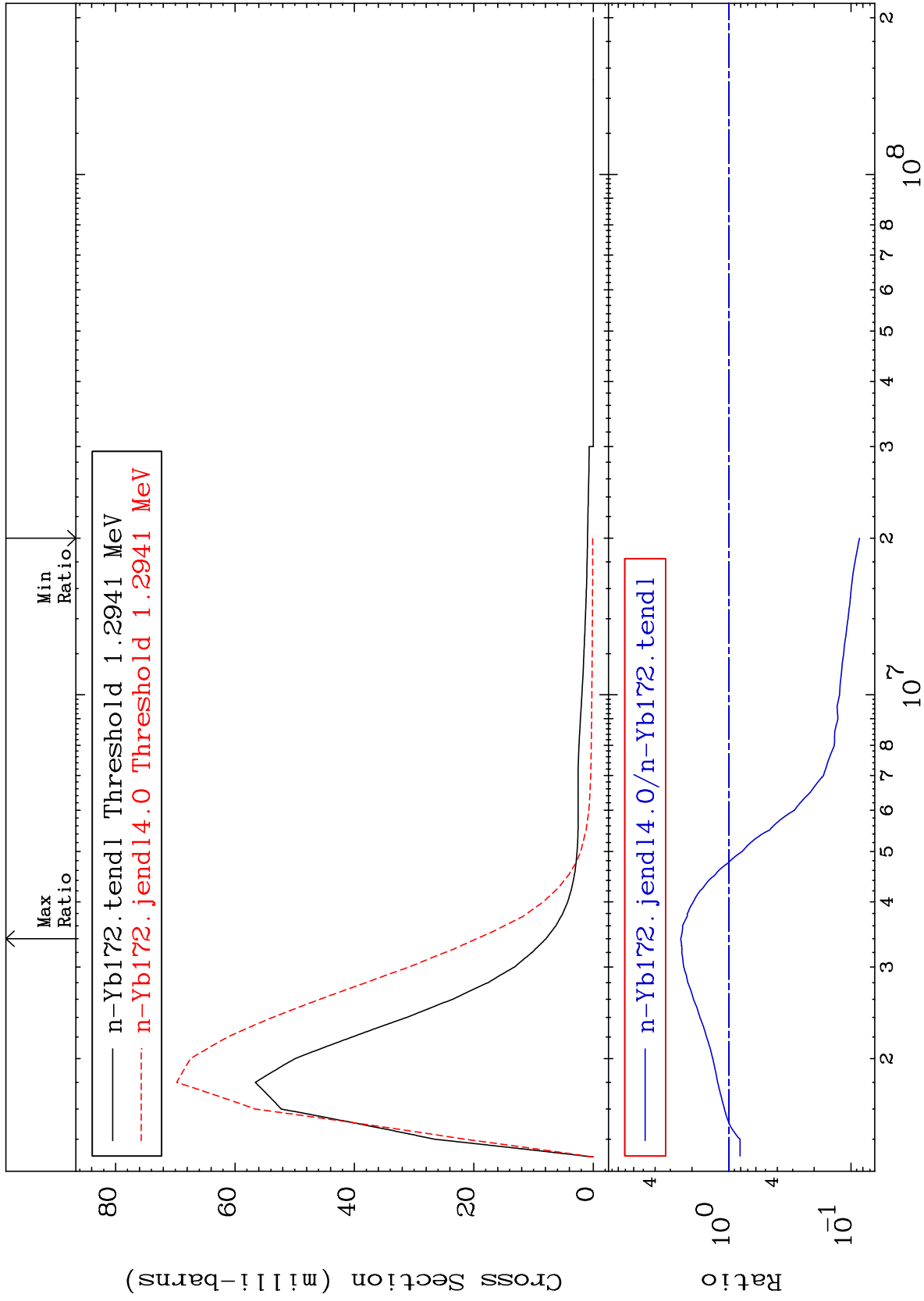
70-Yb-172  
-91.49 To 146.9 %



MAT 7037

MT= 62 (n, n') Level  
Cross Section

<sup>70</sup>-Yb-172  
-91.49 To 146.8 %



20

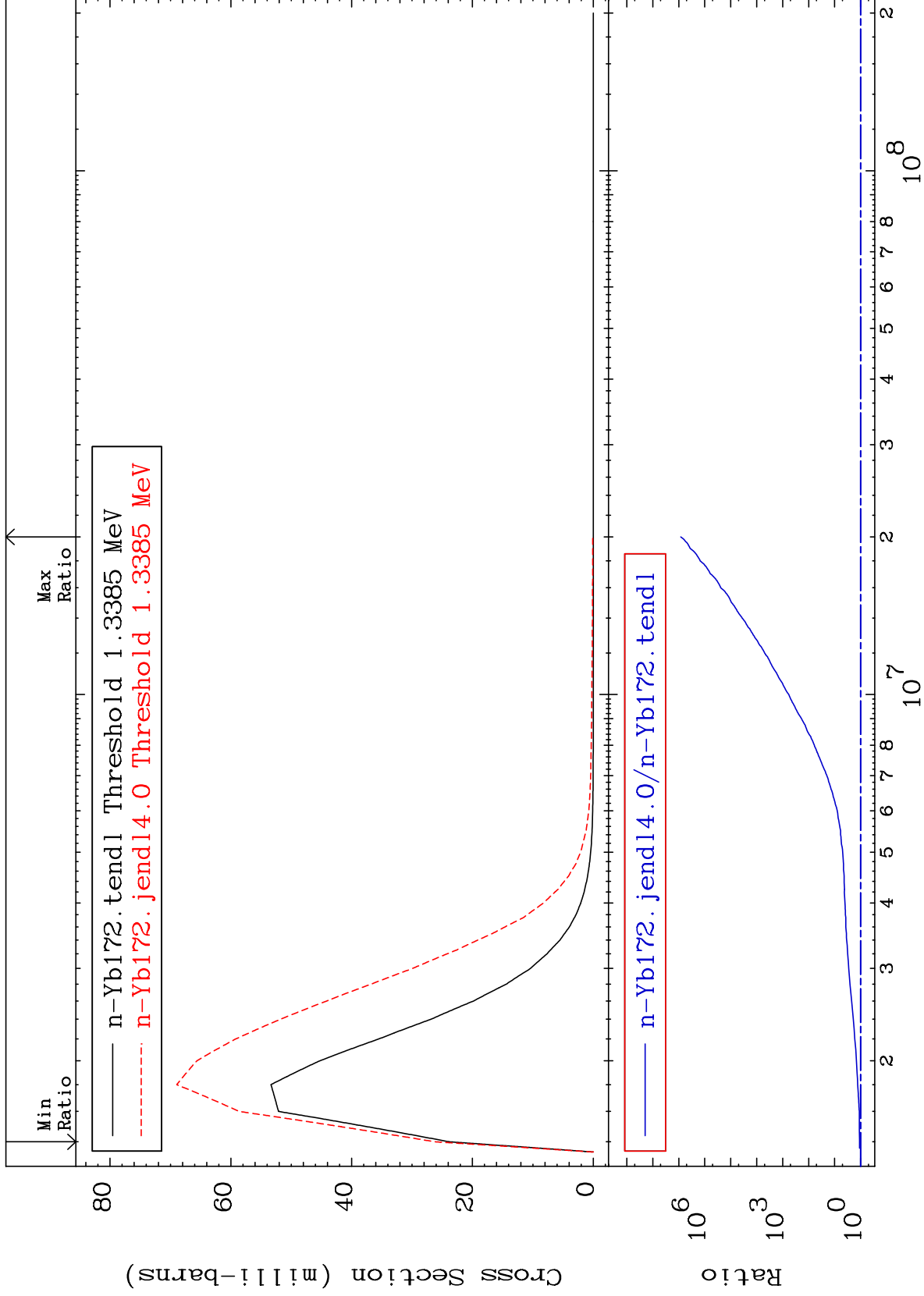
Incident Energy (eV)

<sup>70</sup>-Yb-172

MAT 7037

MT= 63 (n,n') Level  
Cross Section

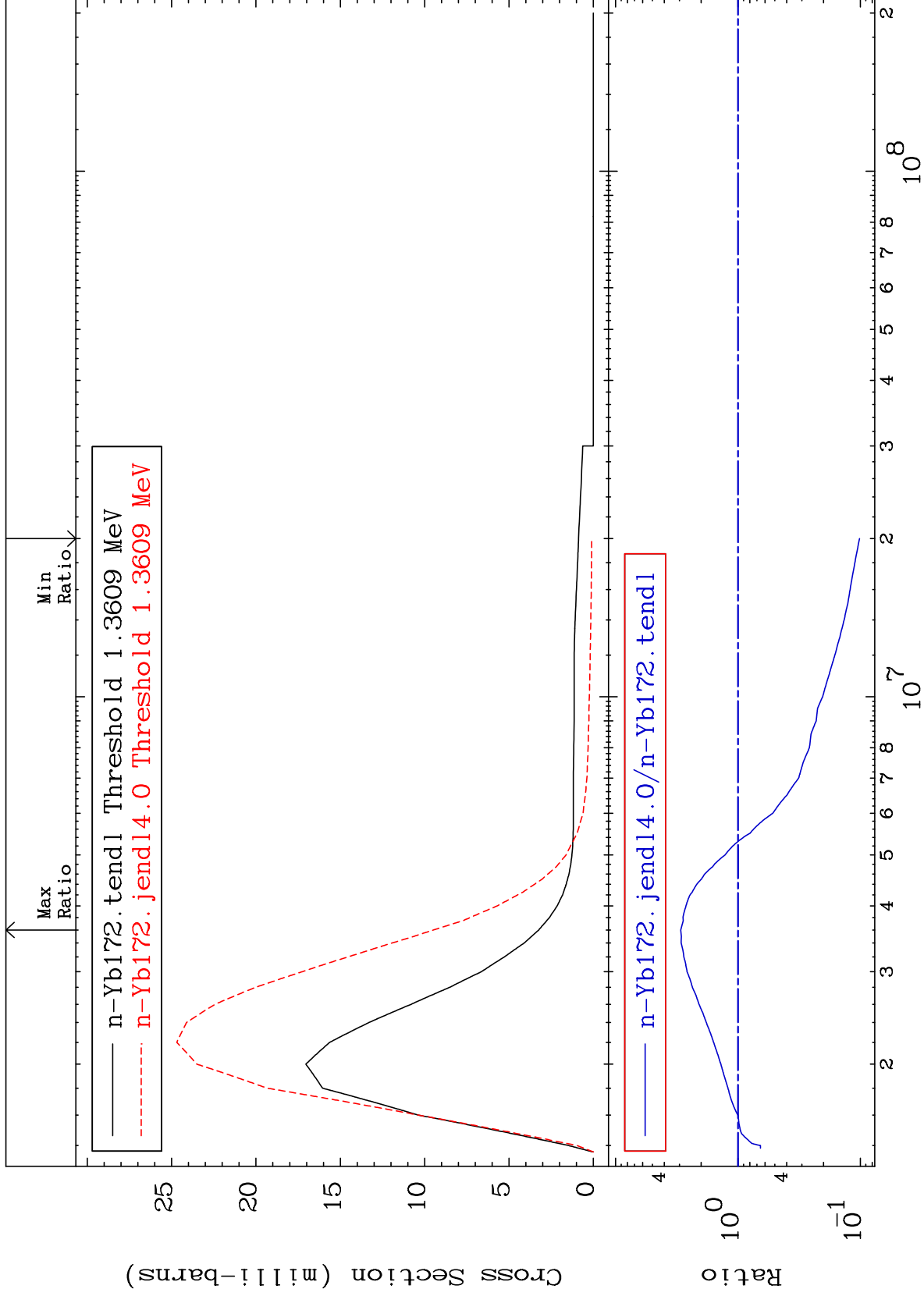
70-Yb-172  
To 9999. %

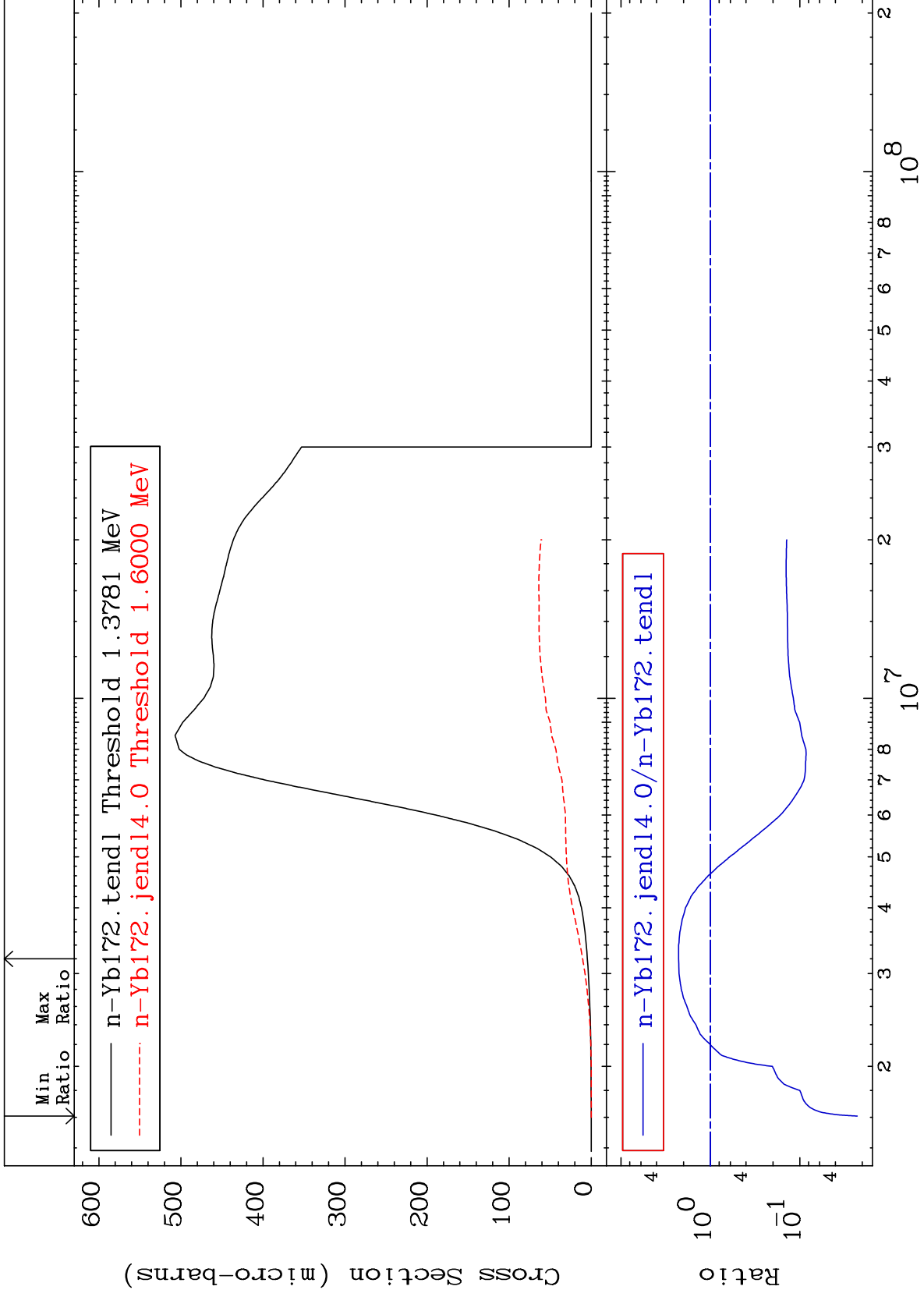


MAT 7037

MT= 64 (n, n') Level  
Cross Section

70-Yb-172  
-89.86 To 193.1 %

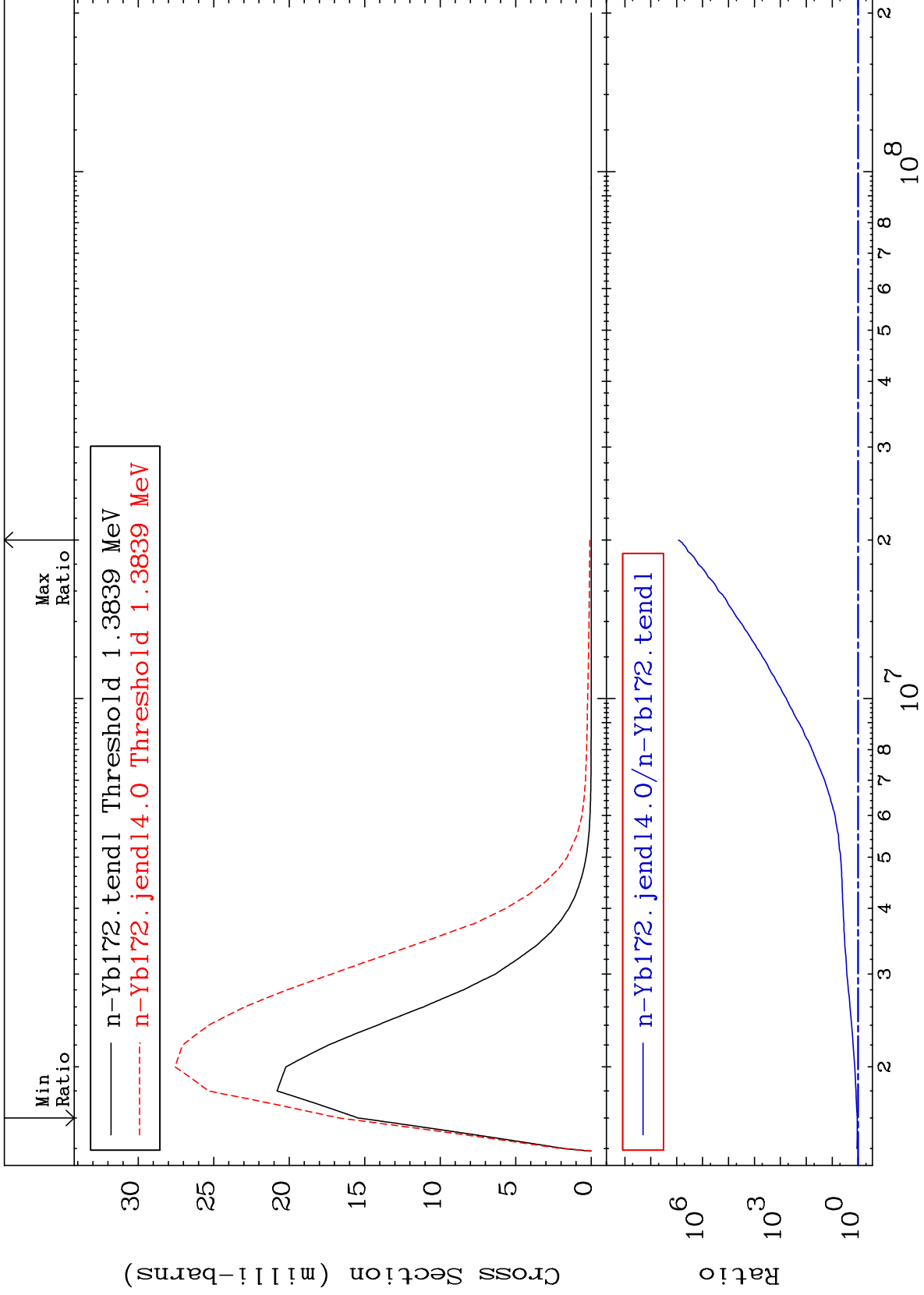




MAT 7037

MT= 66 (n,n') Level  
Cross Section

70-Yb-172  
8.247 To 9999. %

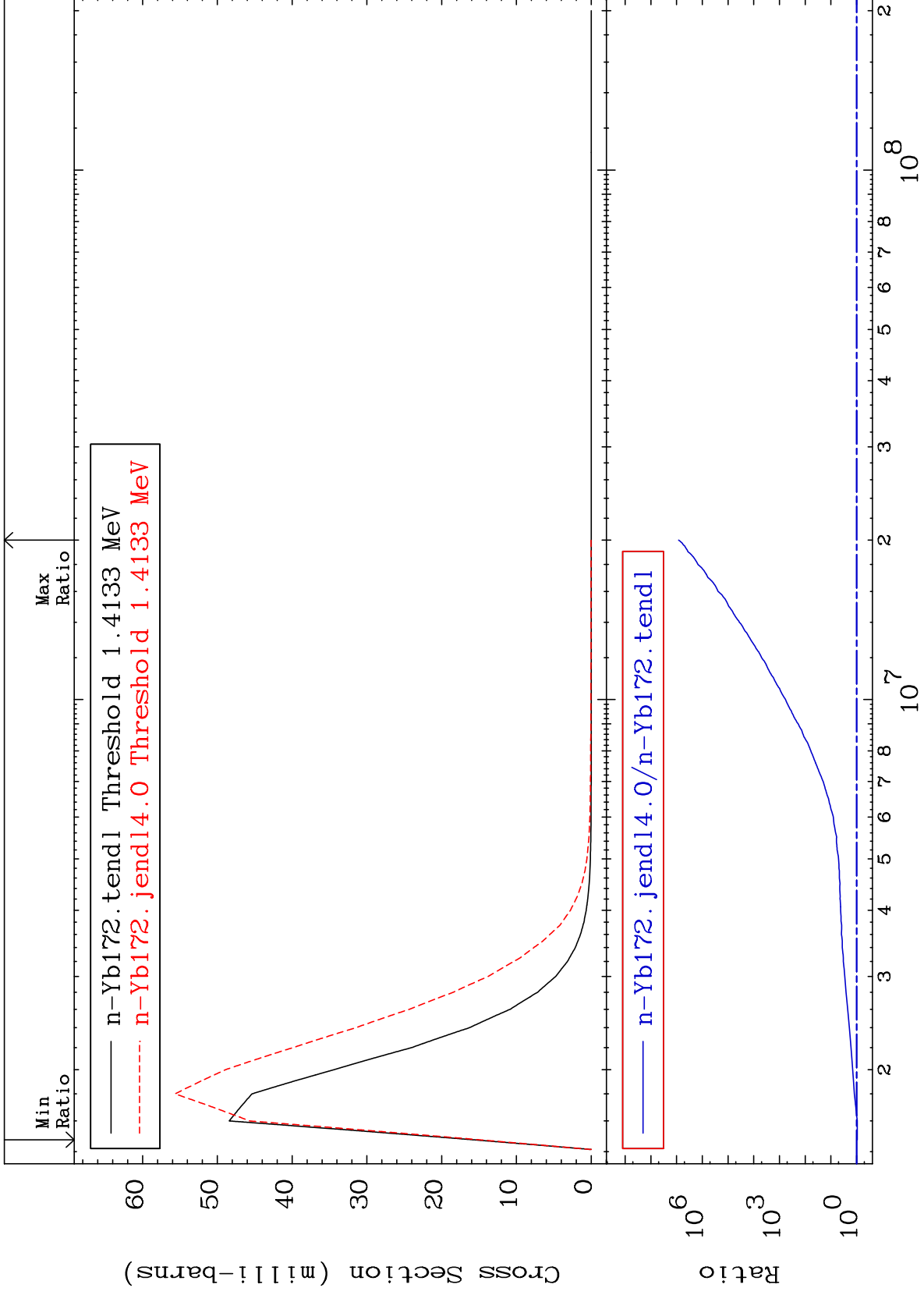




MAT 7037

MT= 67 (n,n') Level  
Cross Section

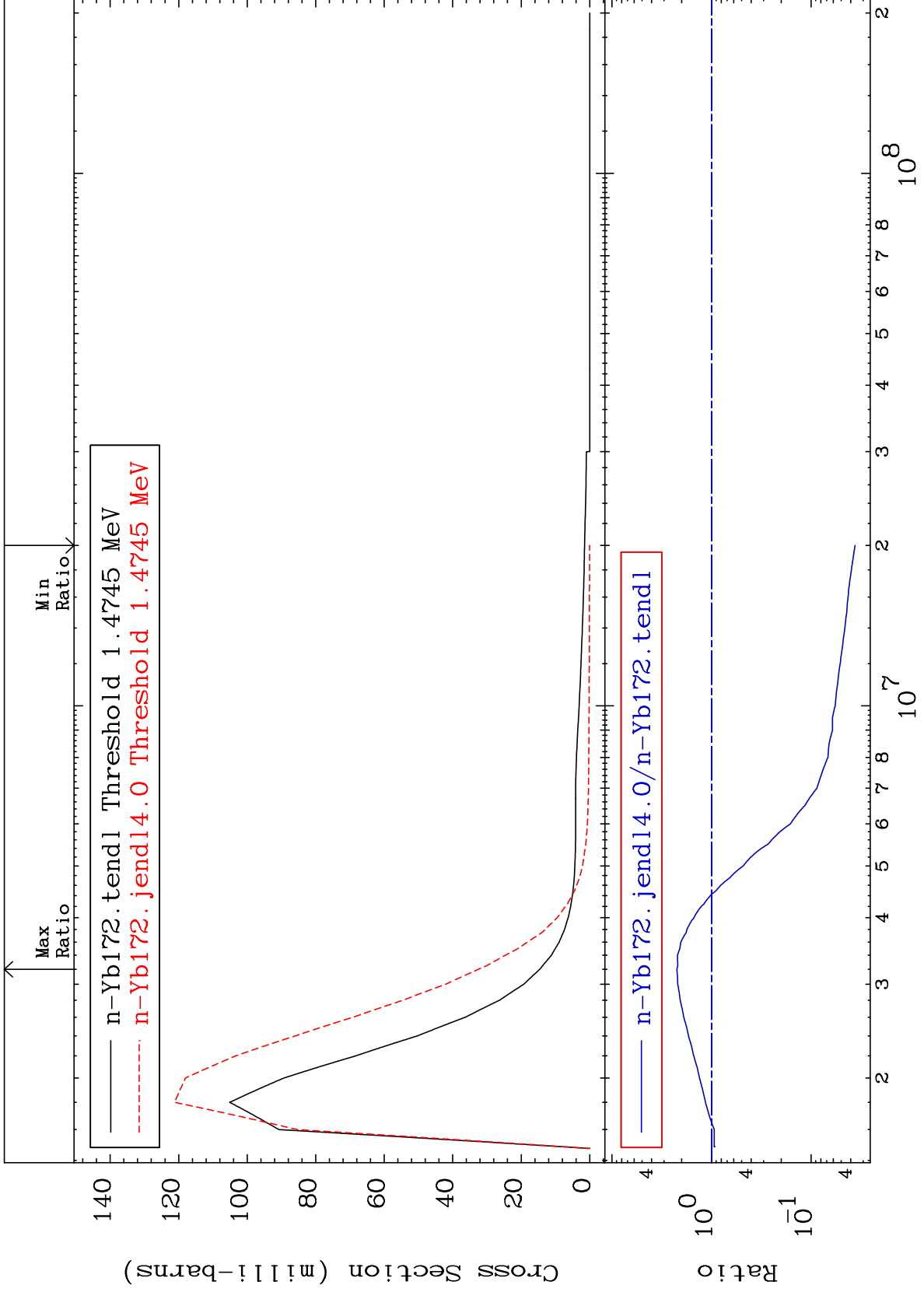
70-Yb-172  
-5.641 To 9999. %



MAT 7037

MT= 68 (n, n') Level  
Cross Section

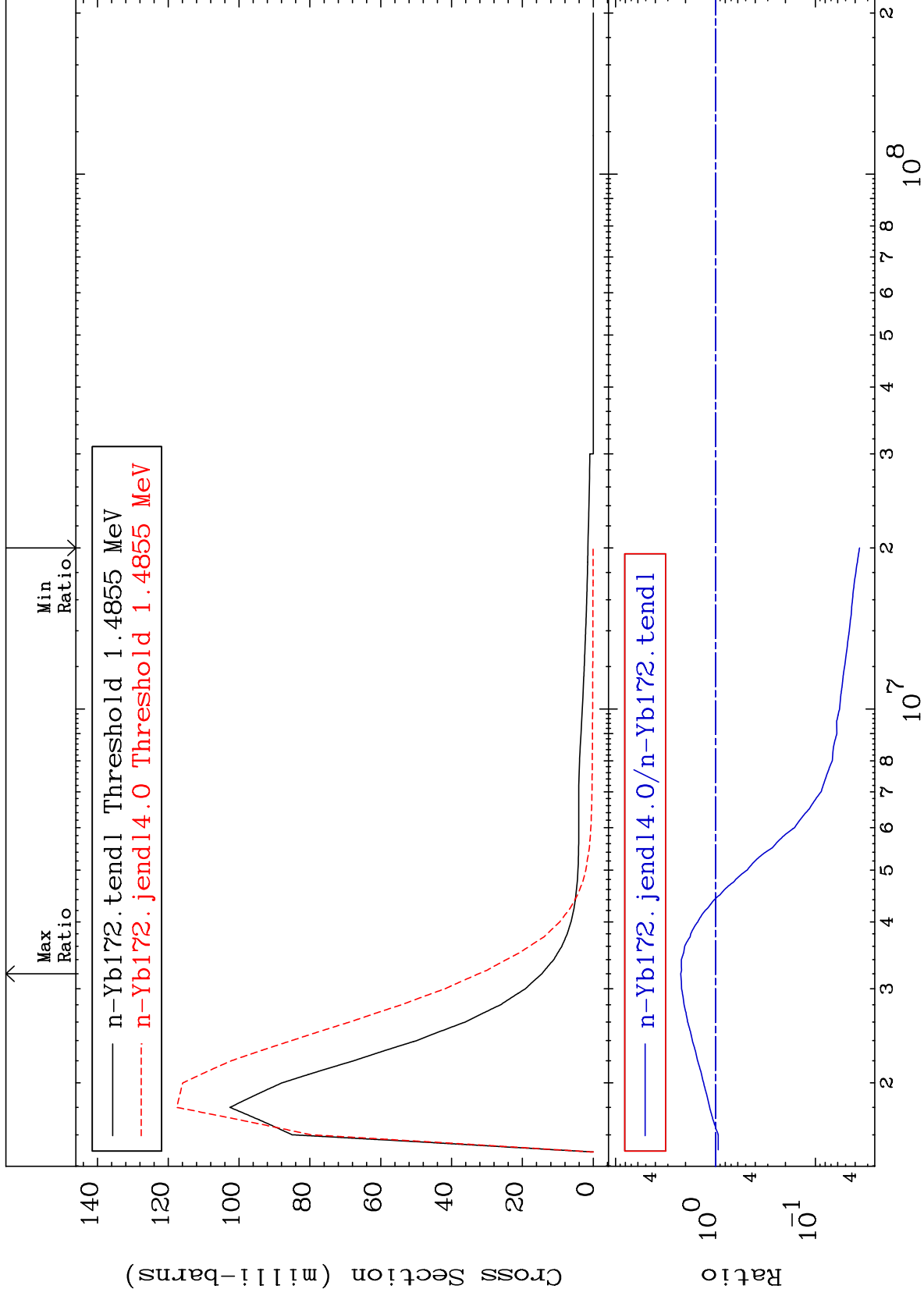
70-Yb-172  
-96.38 To 122.9 %



MAT 7037

MT= 69 (n, n') Level  
Cross Section

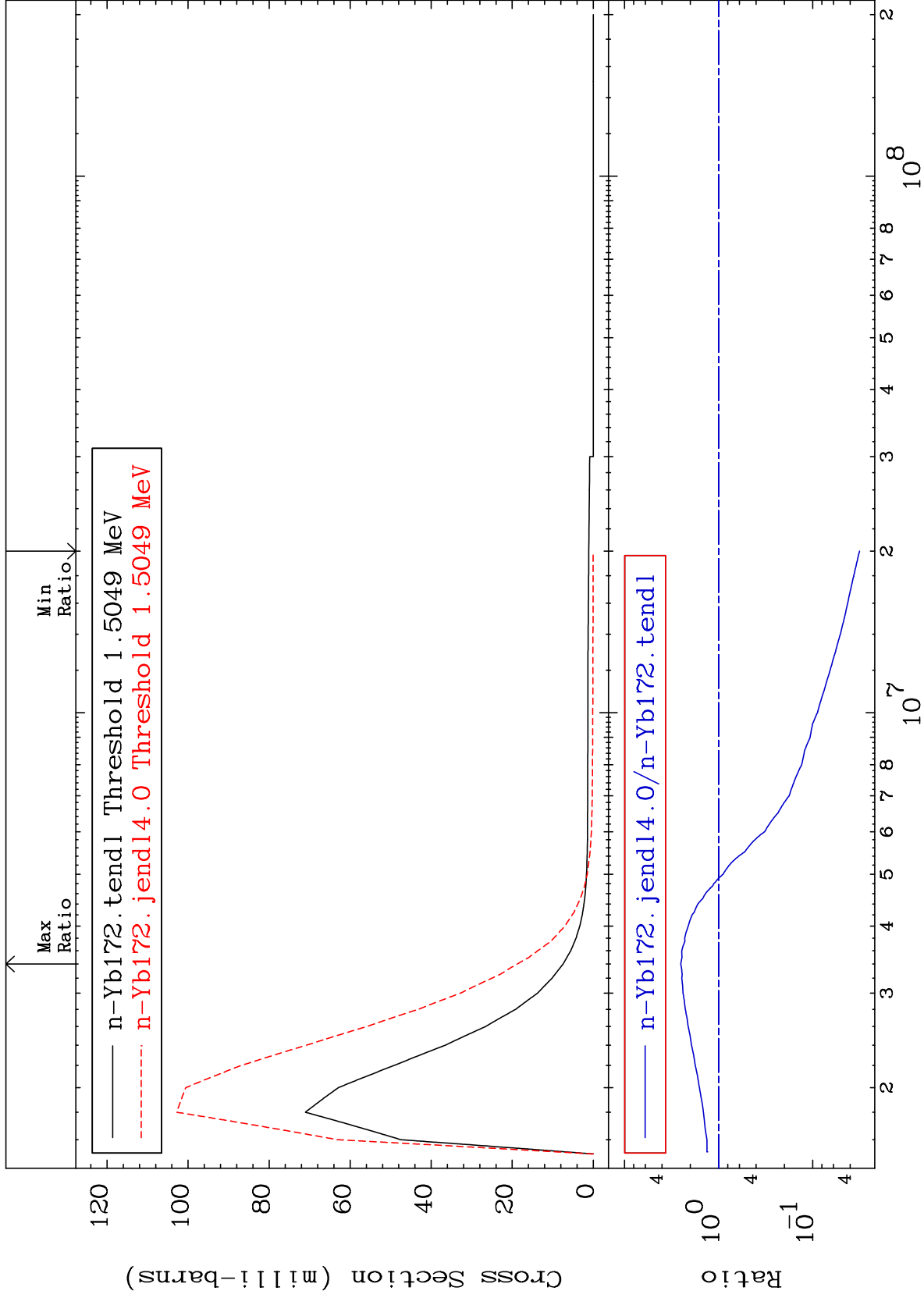
70-Yb-172  
-96.38 To 122.8 %



MAT 7037

MT= 70 (n,n') Level  
Cross Section

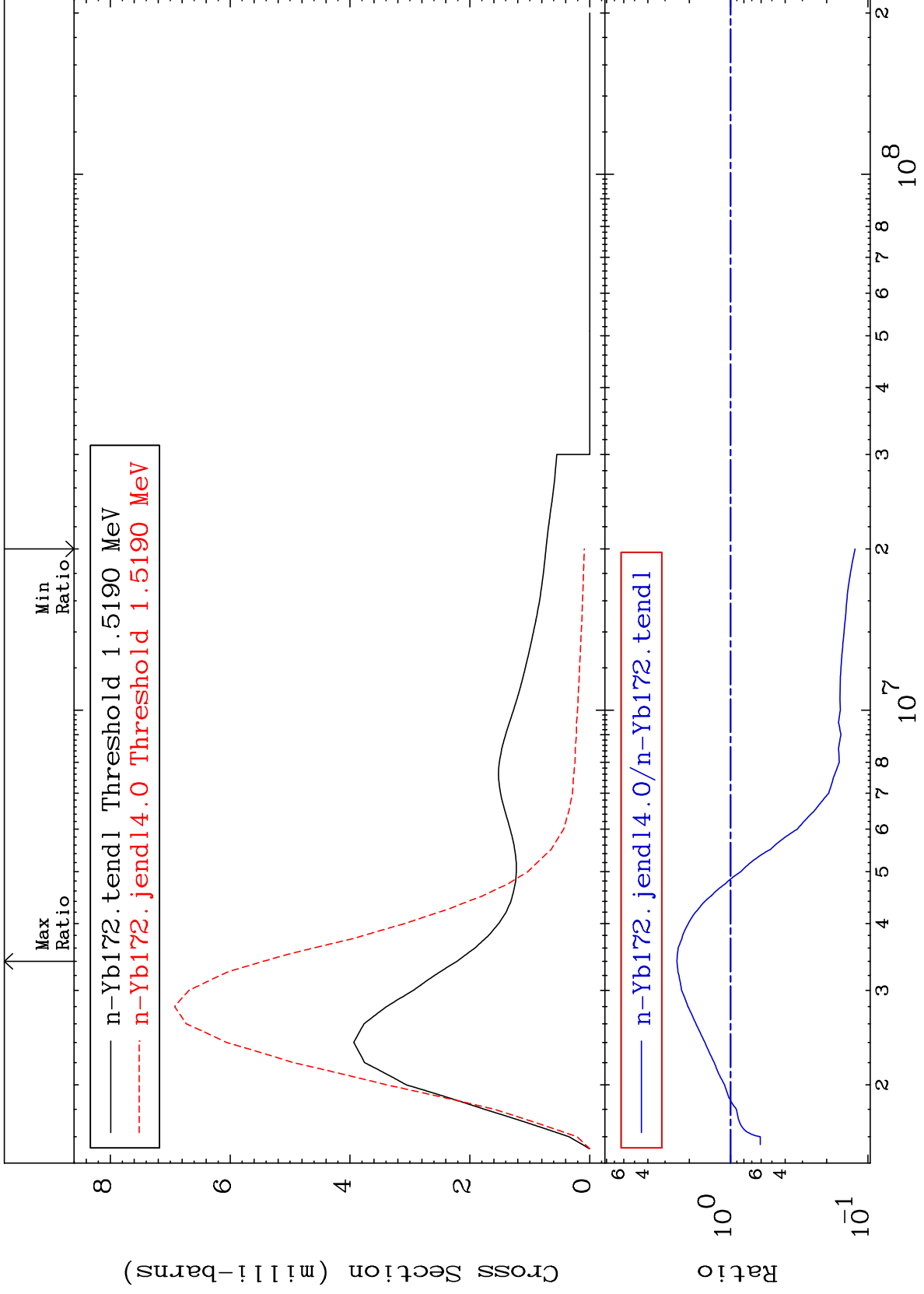
70-Yb-172  
-96.82 To 152.2 %



MAT 7037

MT= 71 (n,n') Level  
Cross Section

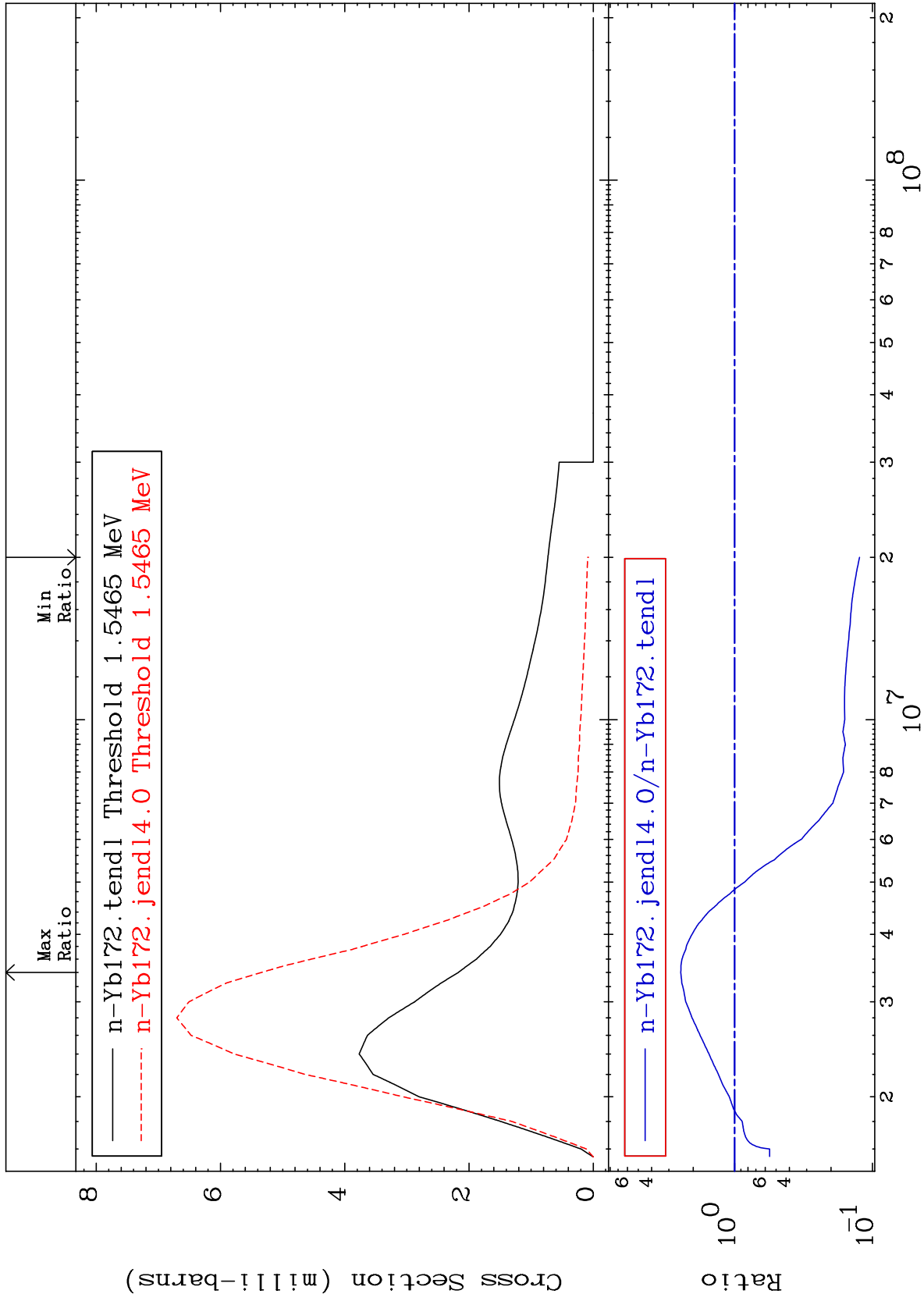
<sup>70</sup>-Yb-172  
-87.60 To 145.9 %



MAT 7037

MT= 72 (n, n') Level  
Cross Section

<sup>70</sup>-Yb-172  
-87.60 To 145.9 %



30

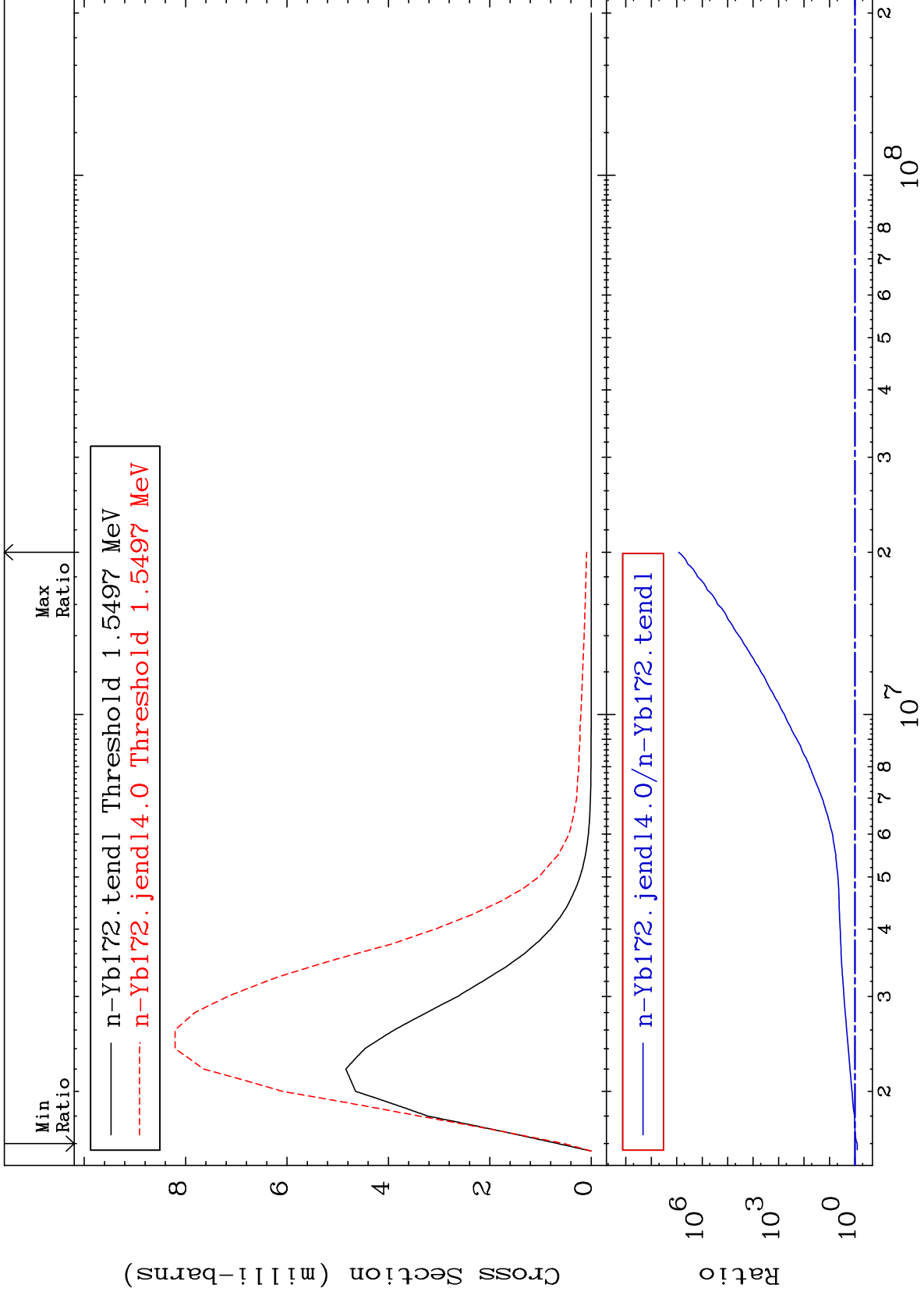
Incident Energy (eV)

<sup>70</sup>-Yb-172

MAT 7037

MT= 73 (n,n') Level  
Cross Section

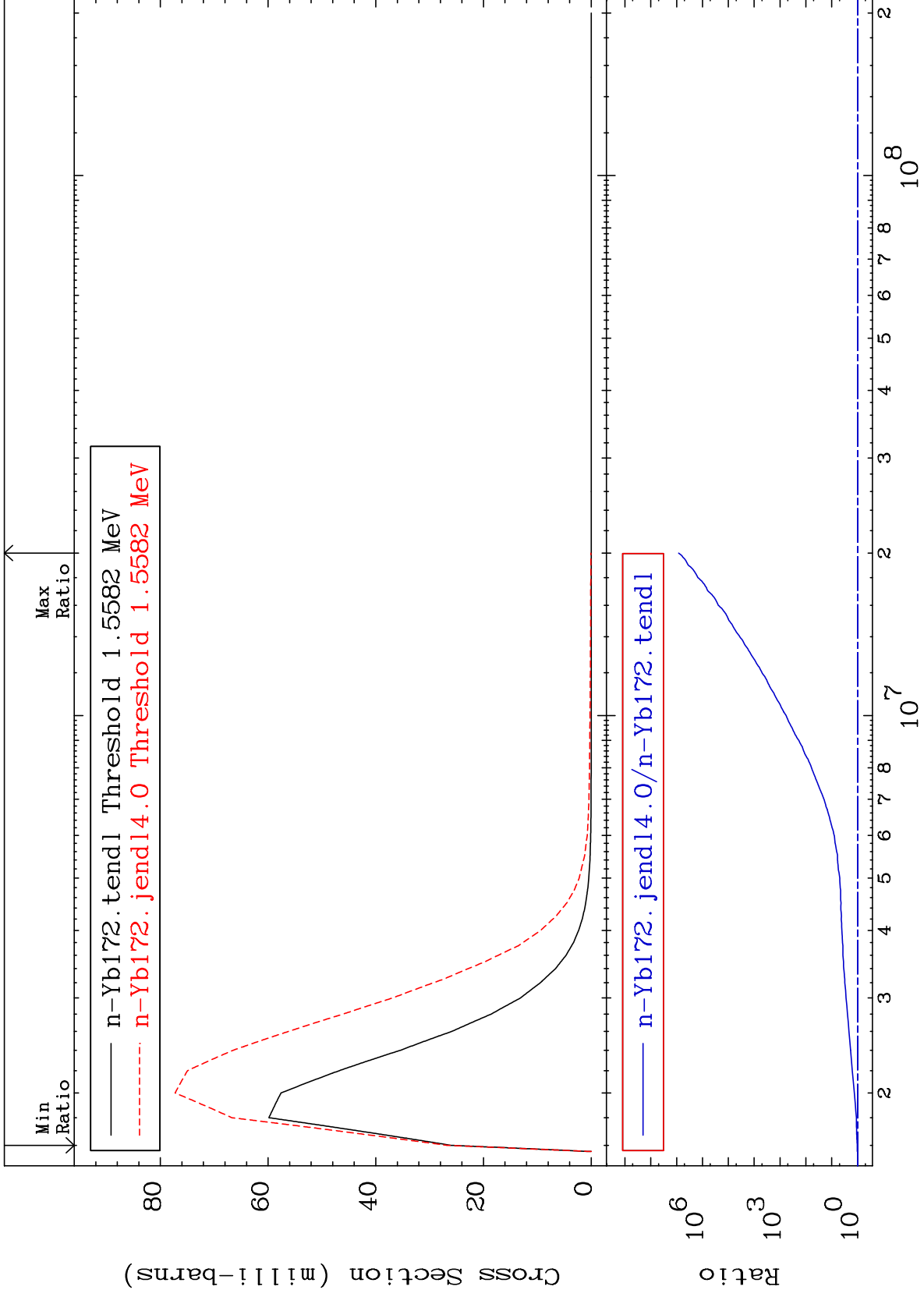
70-Yb-172  
-18.41 To 9999. %



MAT 7037

MT= 74 (n,n') Level  
Cross Section

70-Yb-172  
2.955 To 9999. %

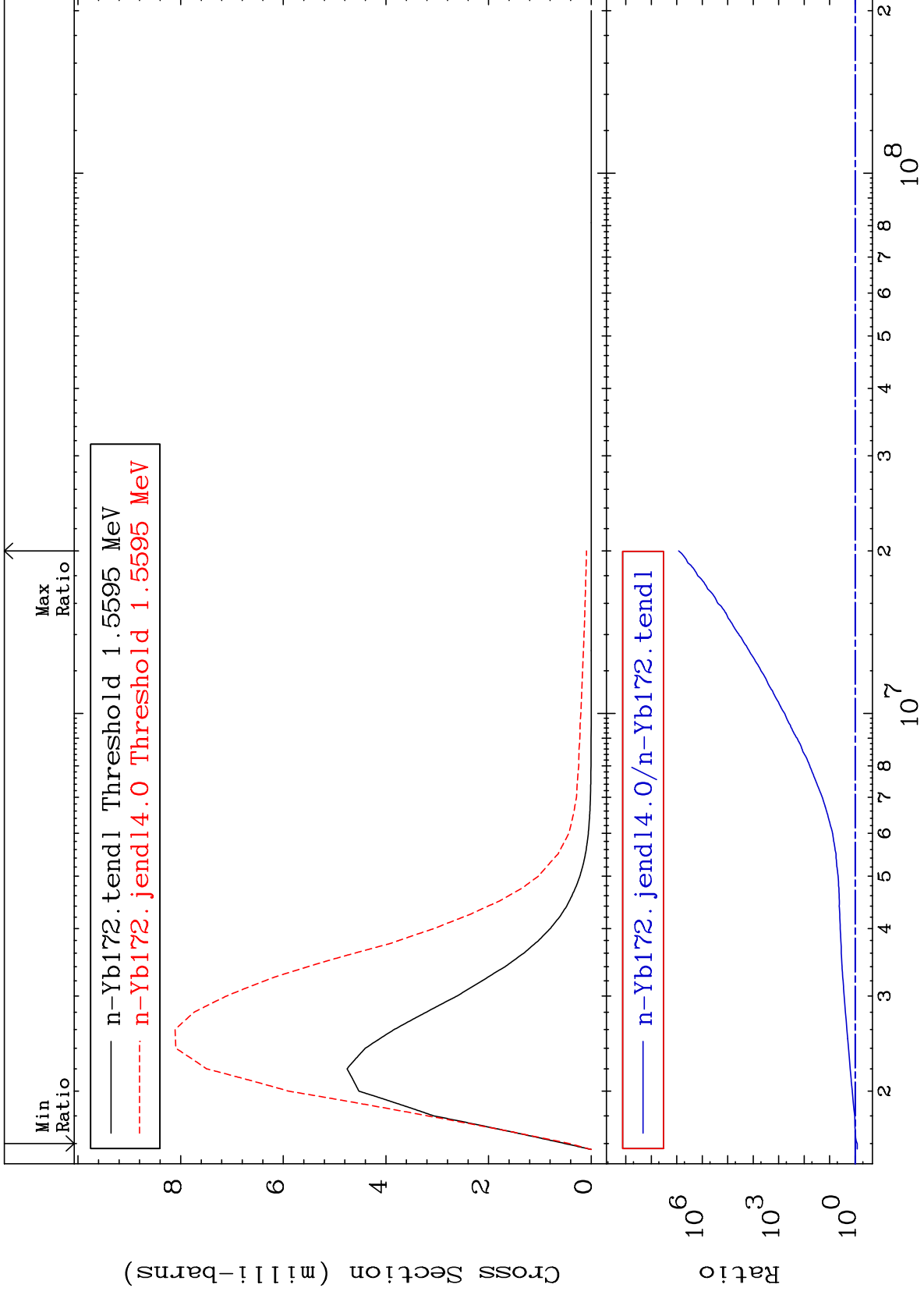




MAT 7037

MT= 75 (n,n') Level  
Cross Section

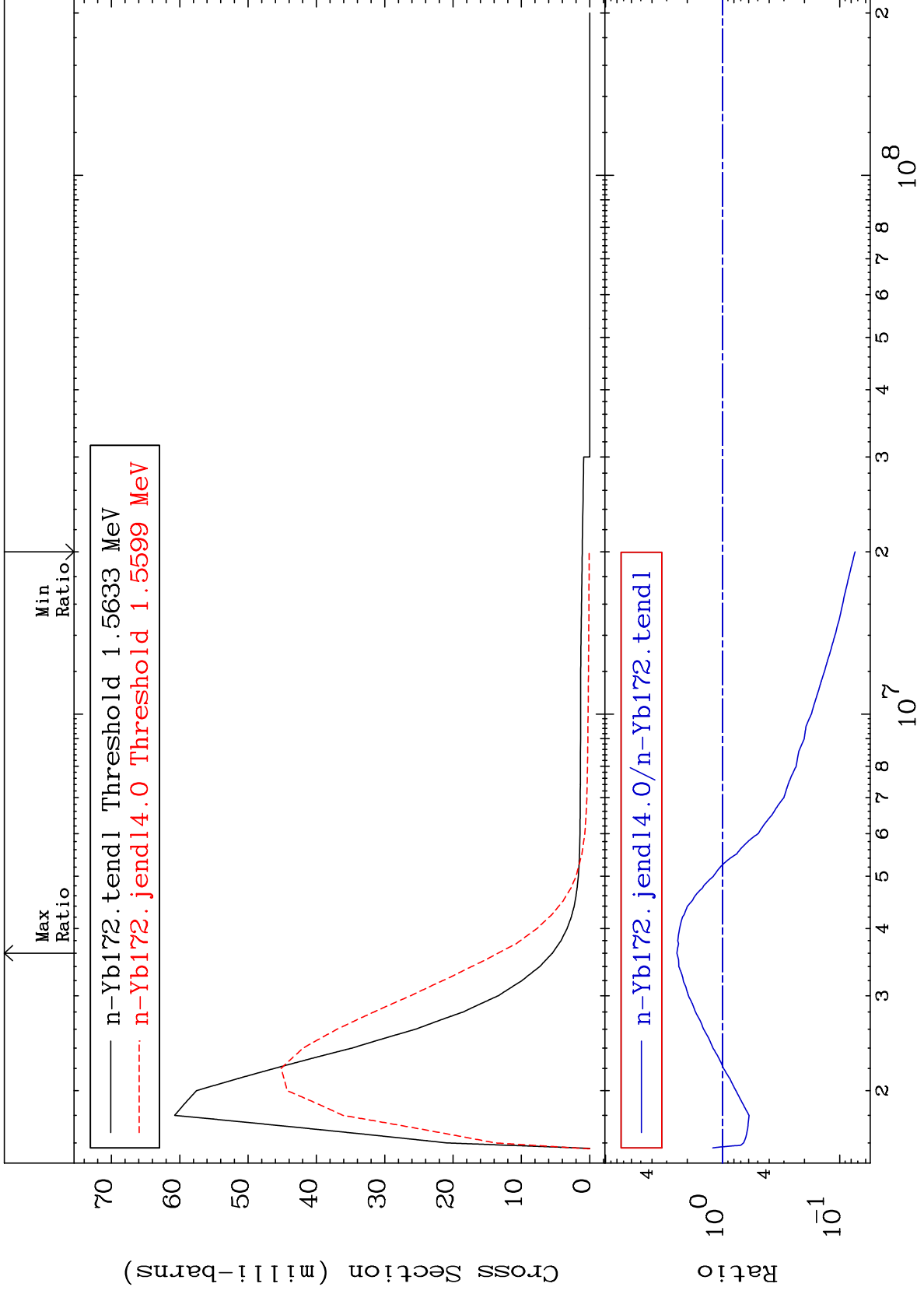
70-Yb-172  
-17.11 To 9999. %



MAT 7037

MT= 76 (n,n') Level  
Cross Section

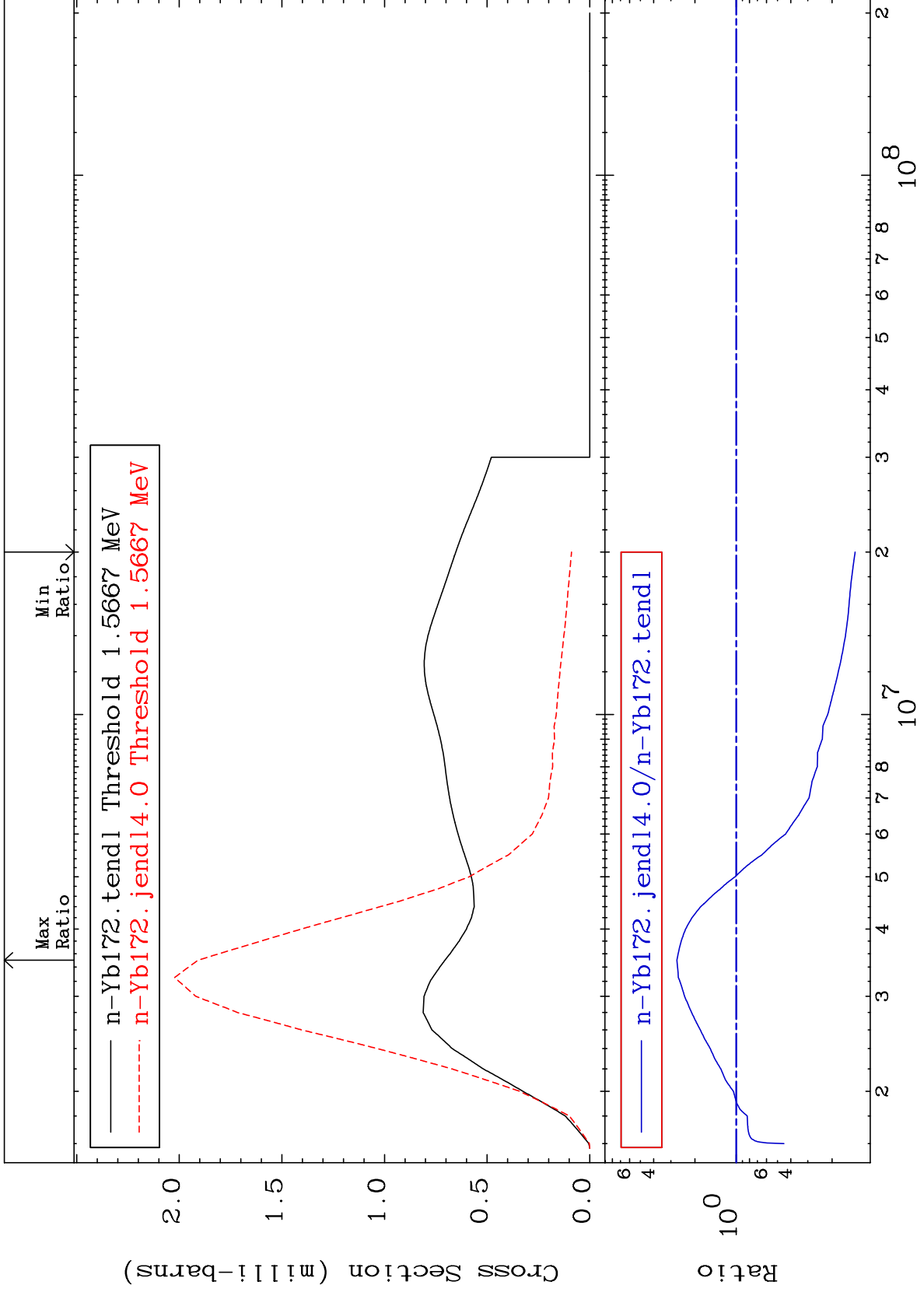
70-Yb-172  
-92.61 To 145.5 %



MAT 7037

MT= 77 (n,n') Level  
Cross Section

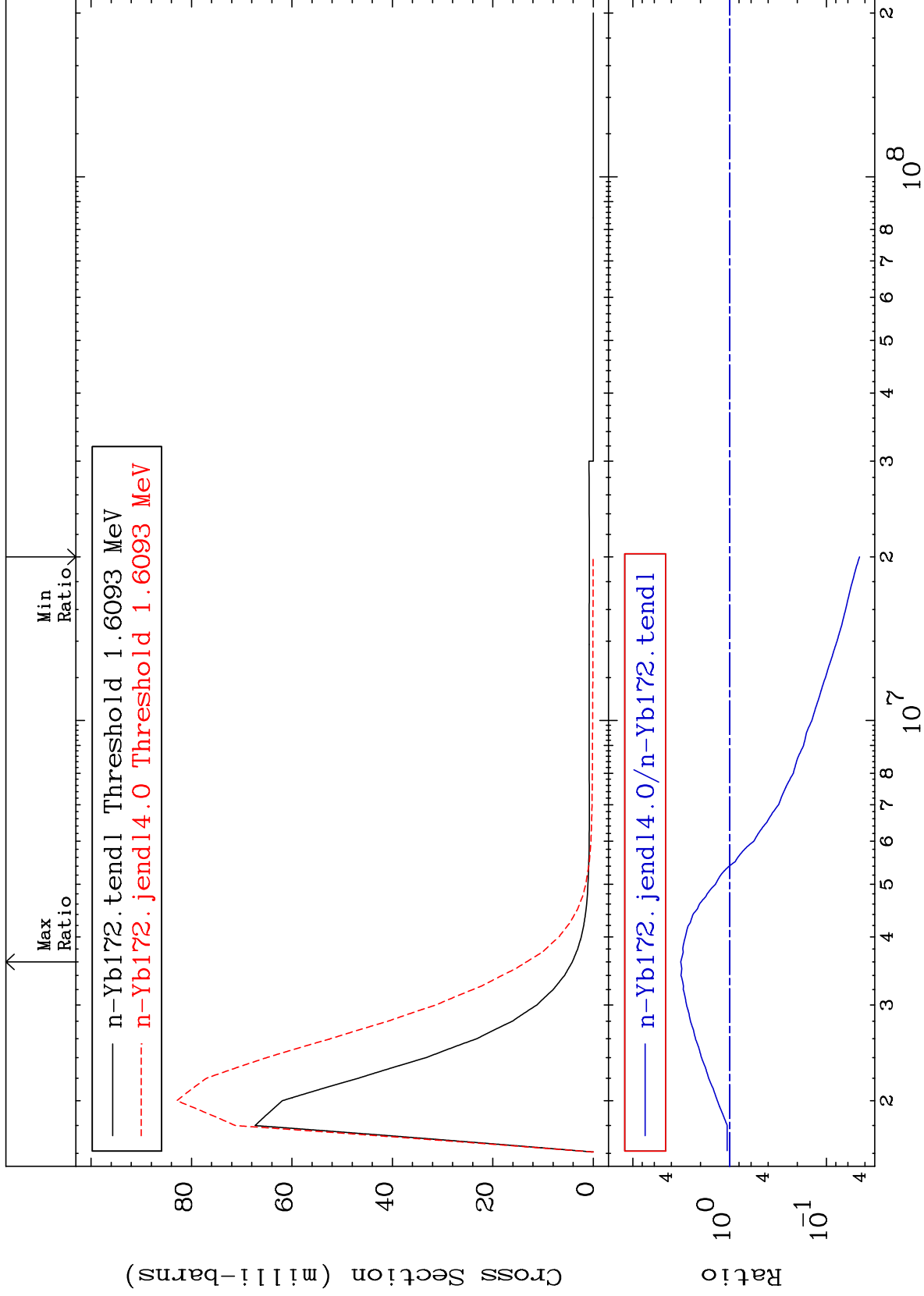
70-Yb-172  
-86.44 To 170.6 %



MAT 7037

MT= 78 (n,n') Level  
Cross Section

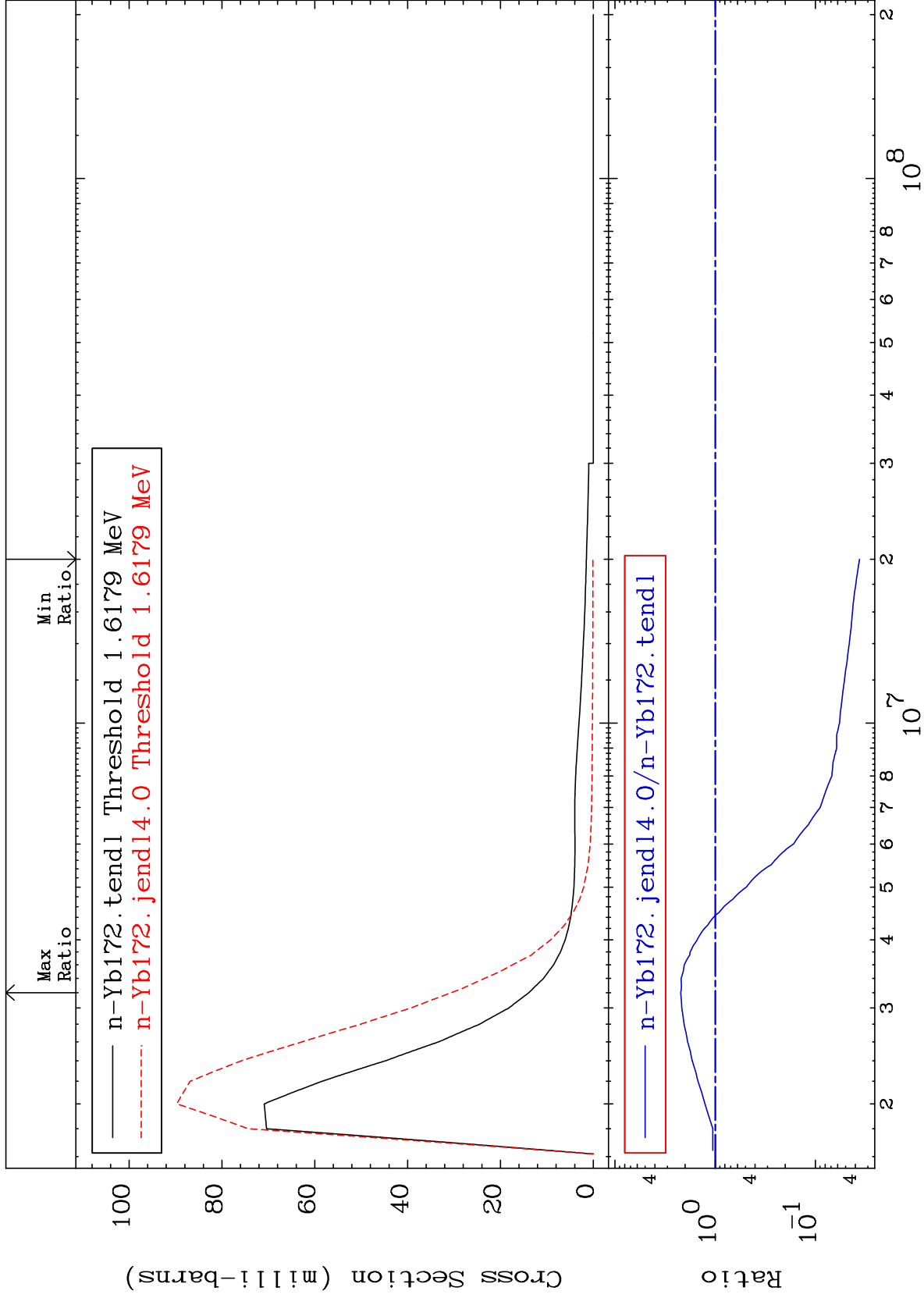
70-Yb-172  
-95.46 To 219.7 %



MAT 7037

MT= 79 (n,n') Level  
Cross Section

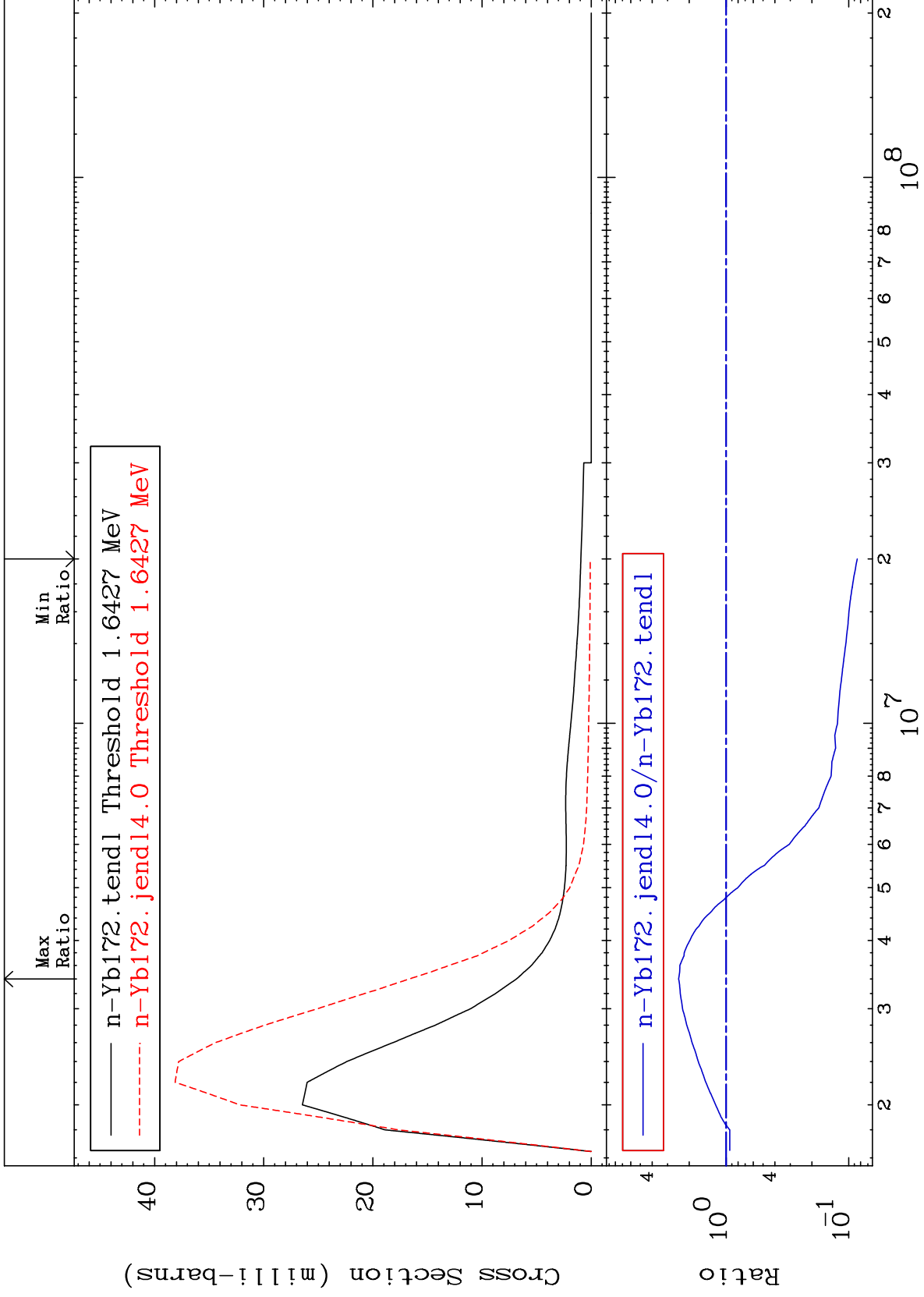
70-Yb-172  
-96.37 To 120.6 %

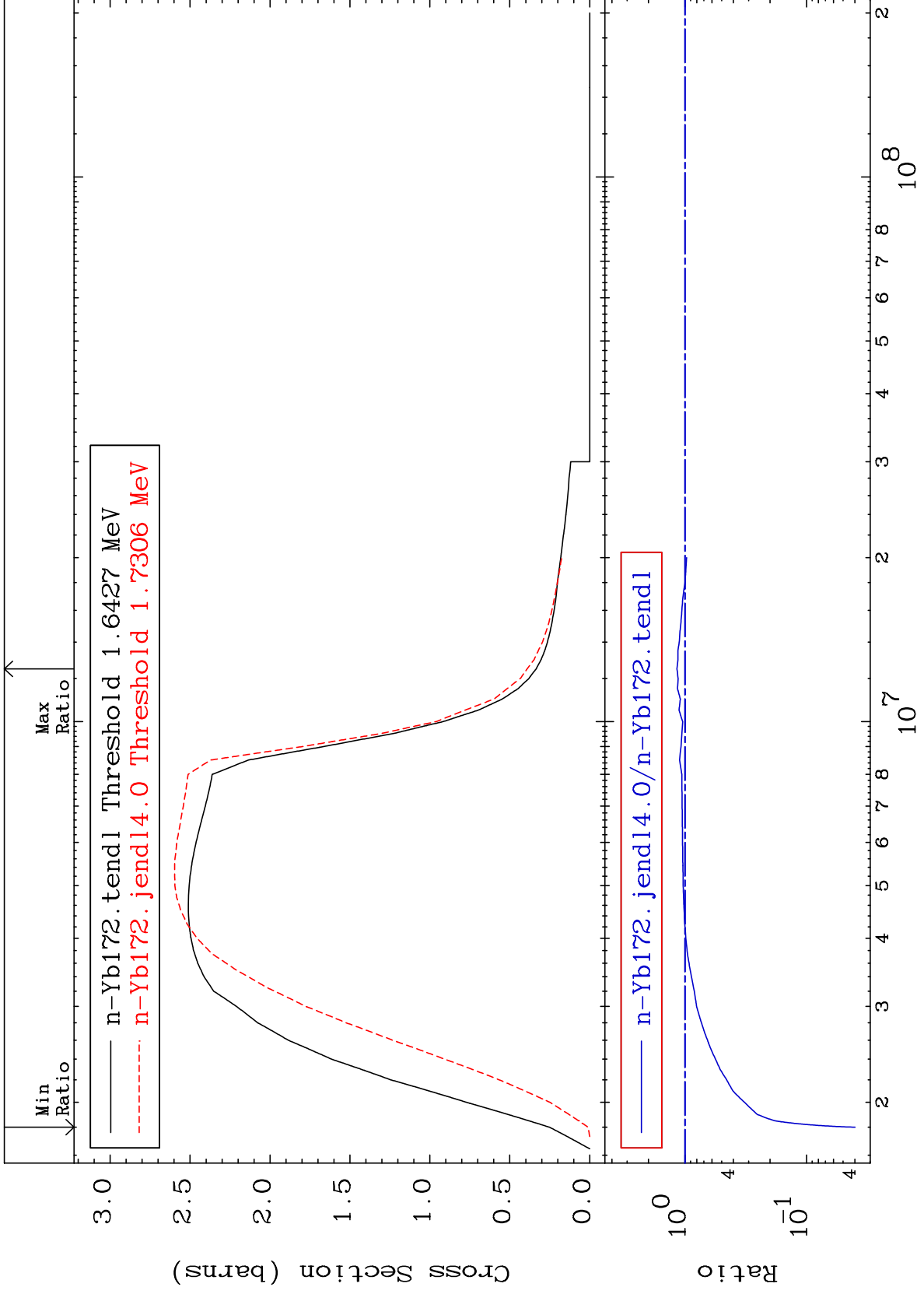


MAT 7037

MT= 80 (n, n') Level  
Cross Section

<sup>70</sup>Yb-172  
-91.47 To 143.9 %

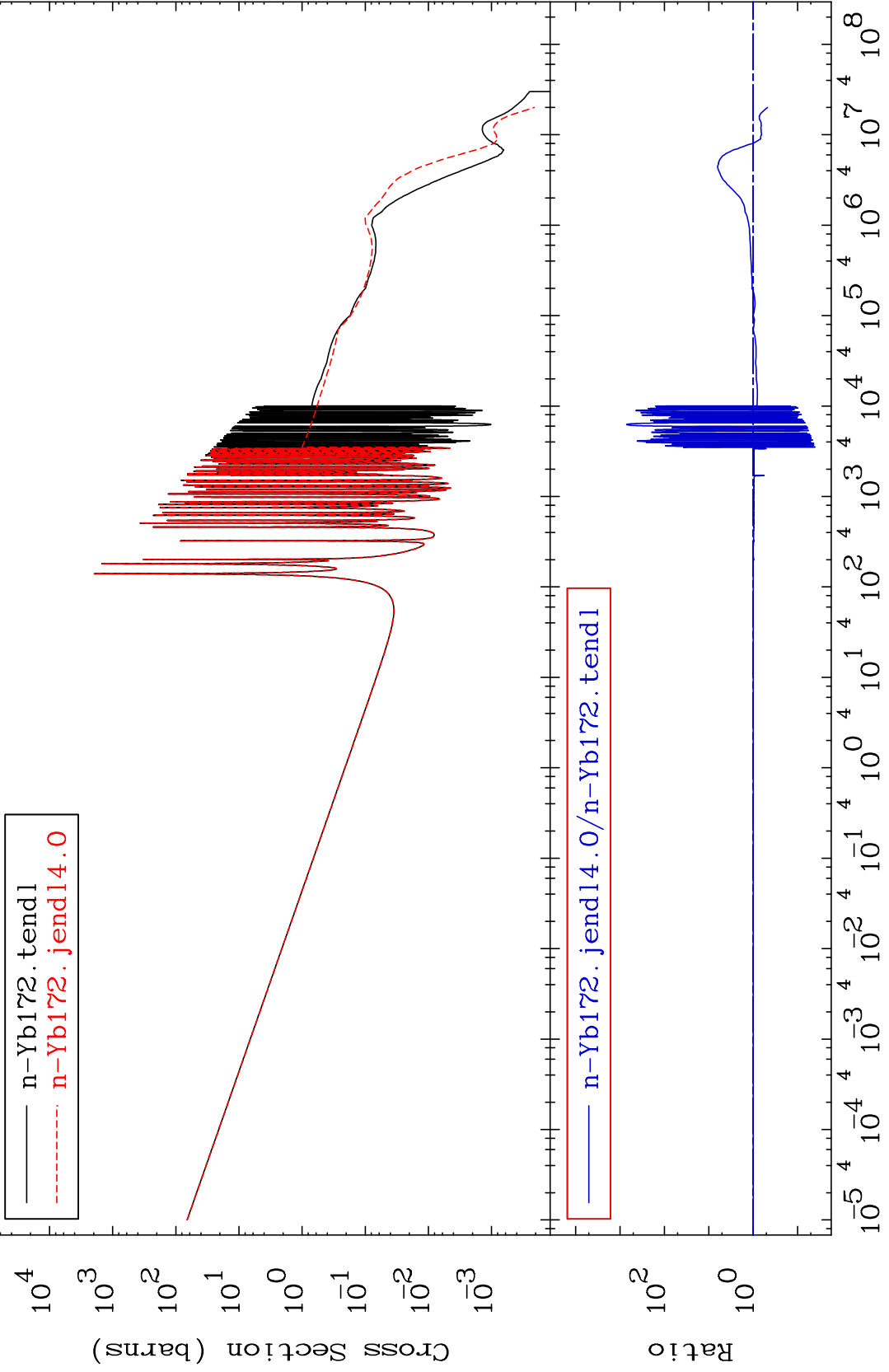




MAT 7037

(n,  $\gamma$ )  
Cross Section

70-Yb-172  
-96.00 To 9999. %



70-Yb-172



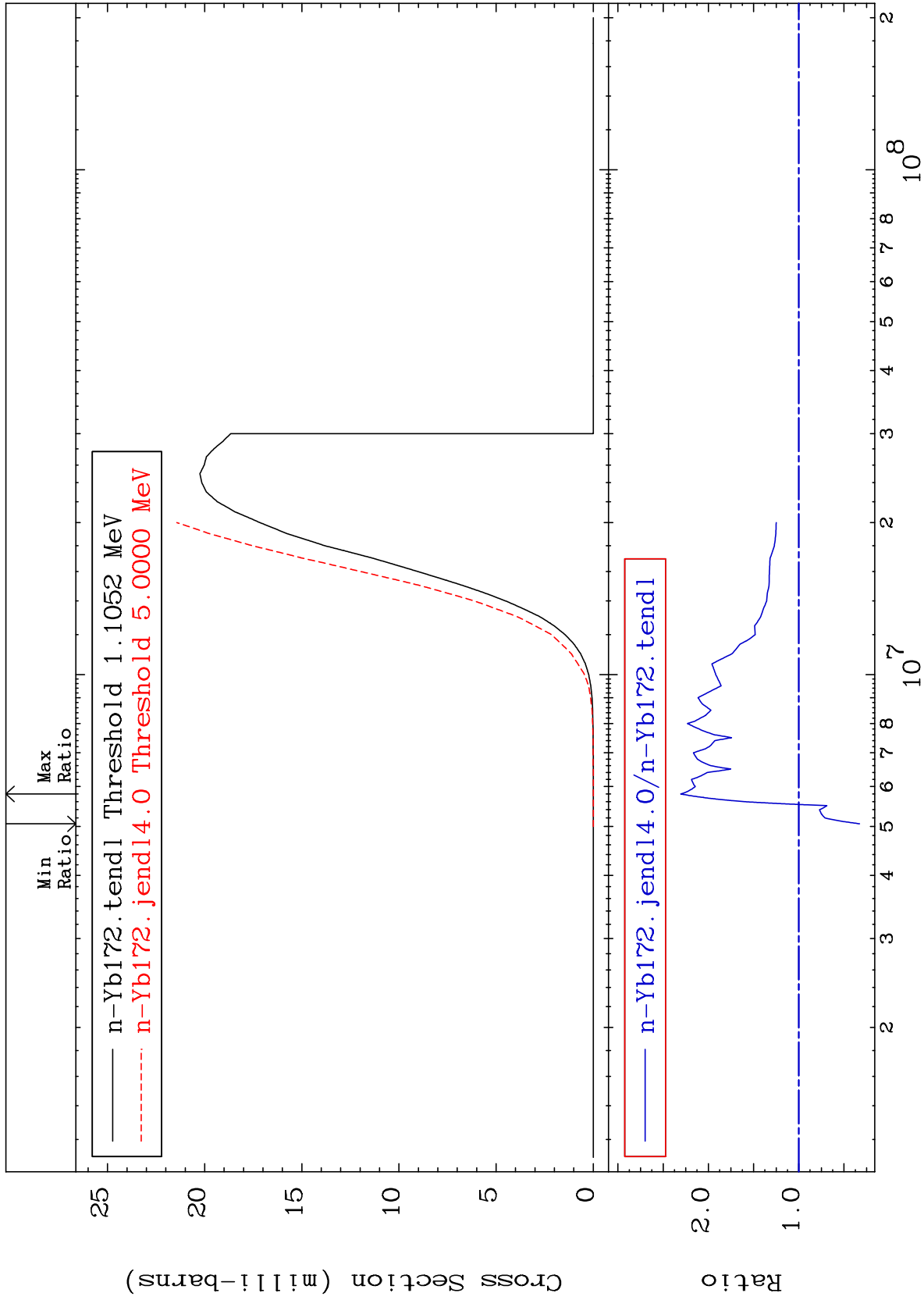
MAT 7037

(n,p)

<sup>70</sup>Yb-172

Cross Section

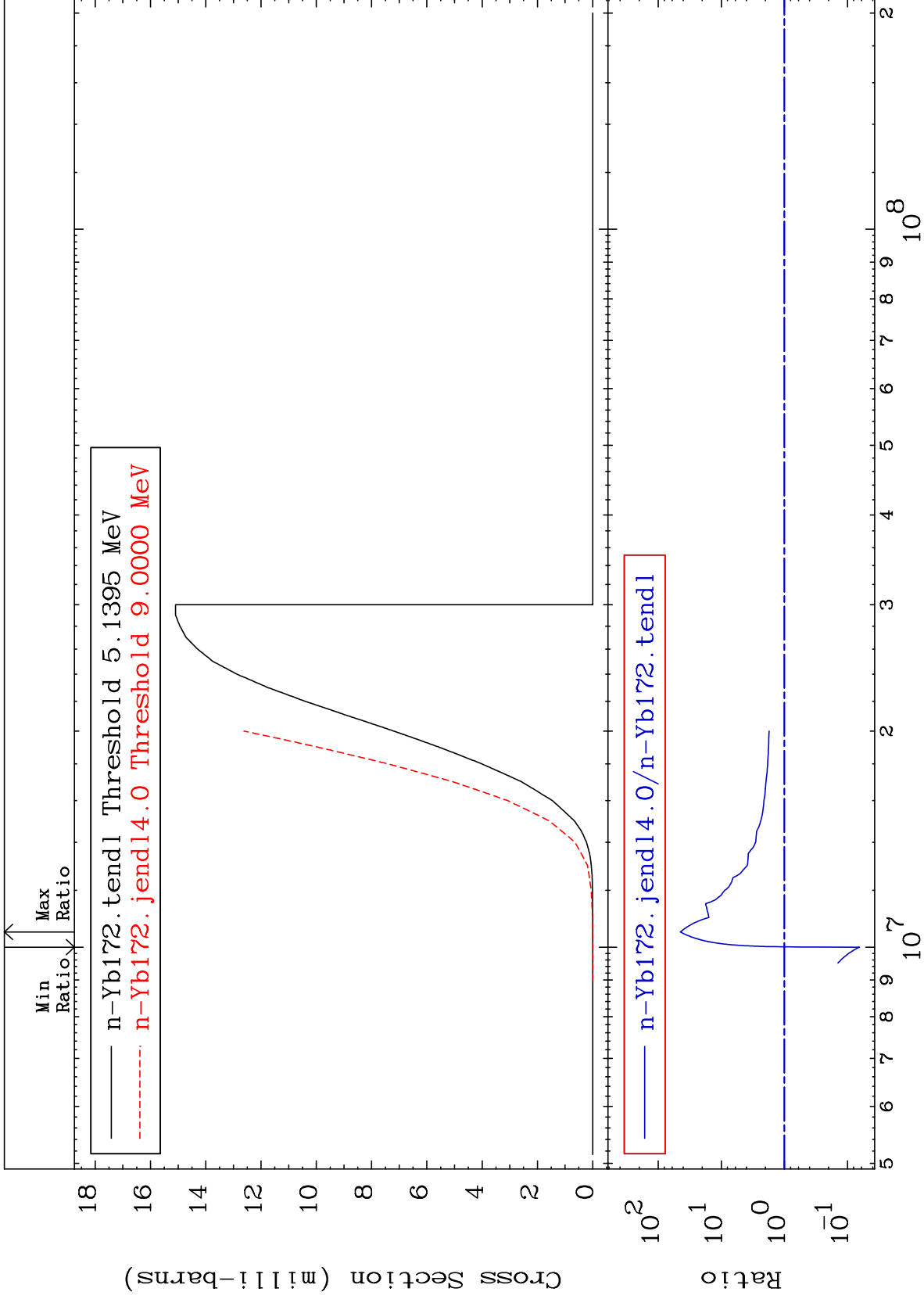
-67.21 To 130.5 %

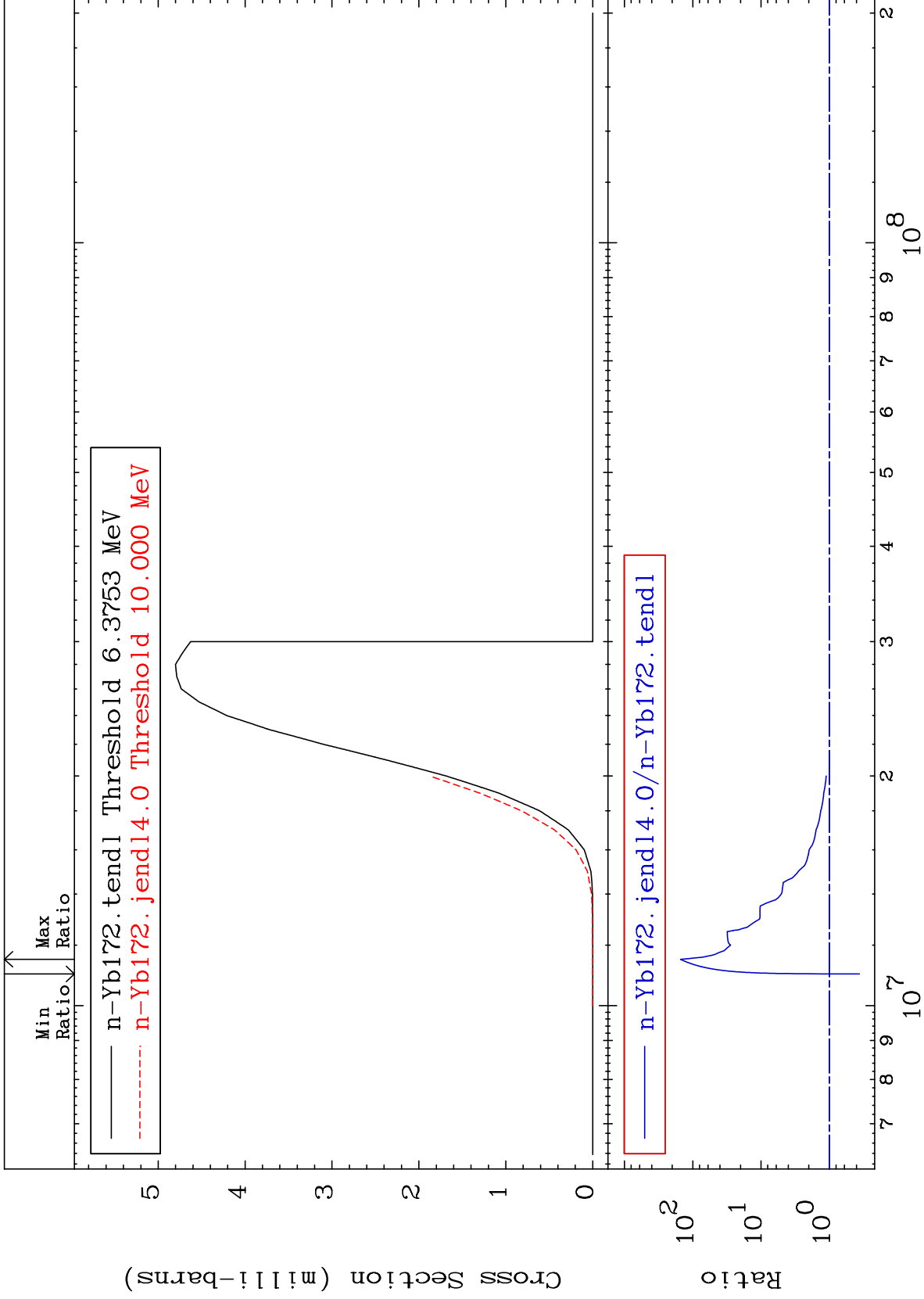


MAT 7037

(n, d)  
Cross Section

70-Yb-172  
-93.51 To 4351. %



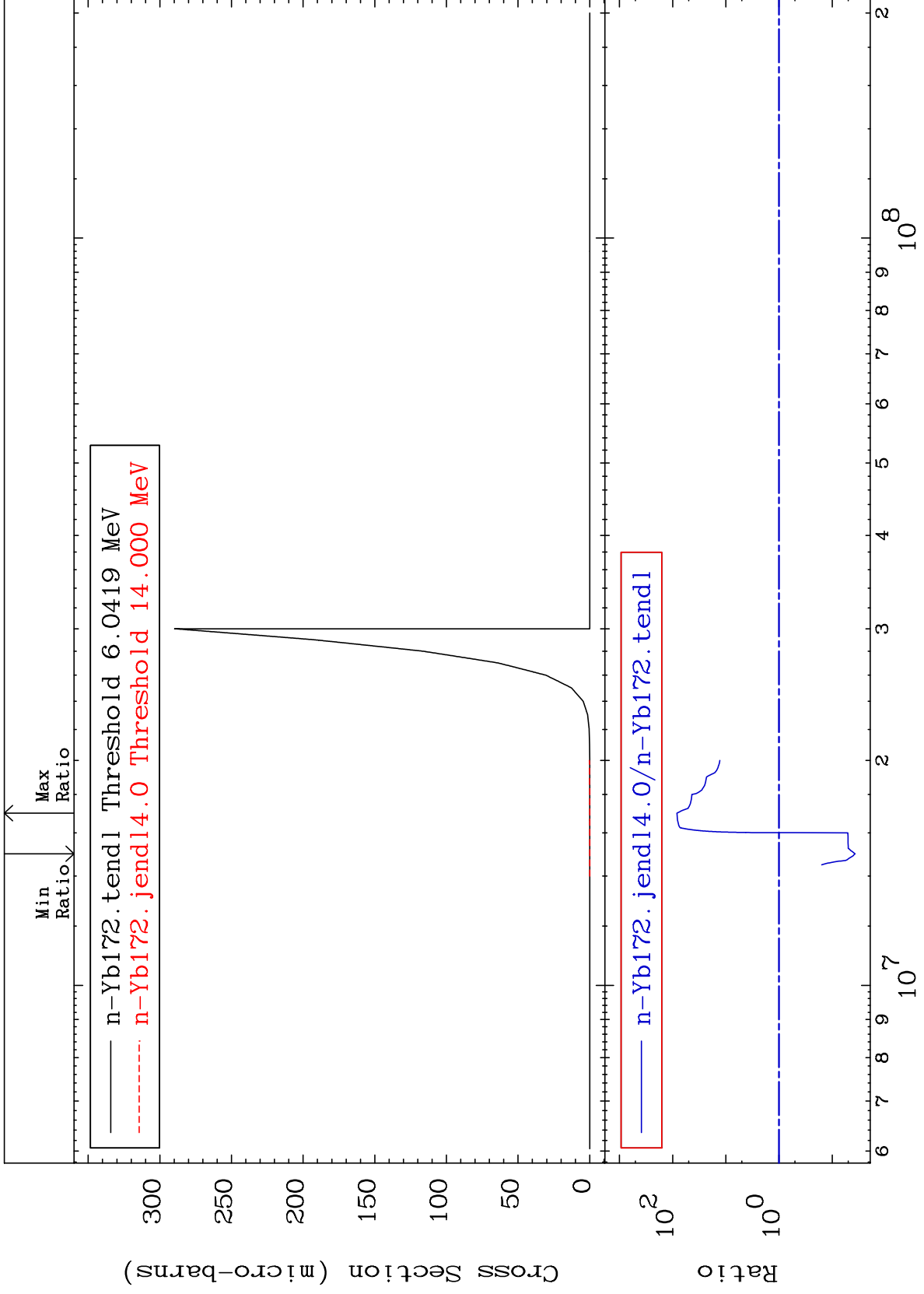


MAT 7037

(n, He-3)

70-Yb-172  
-96.29 To 8211. %

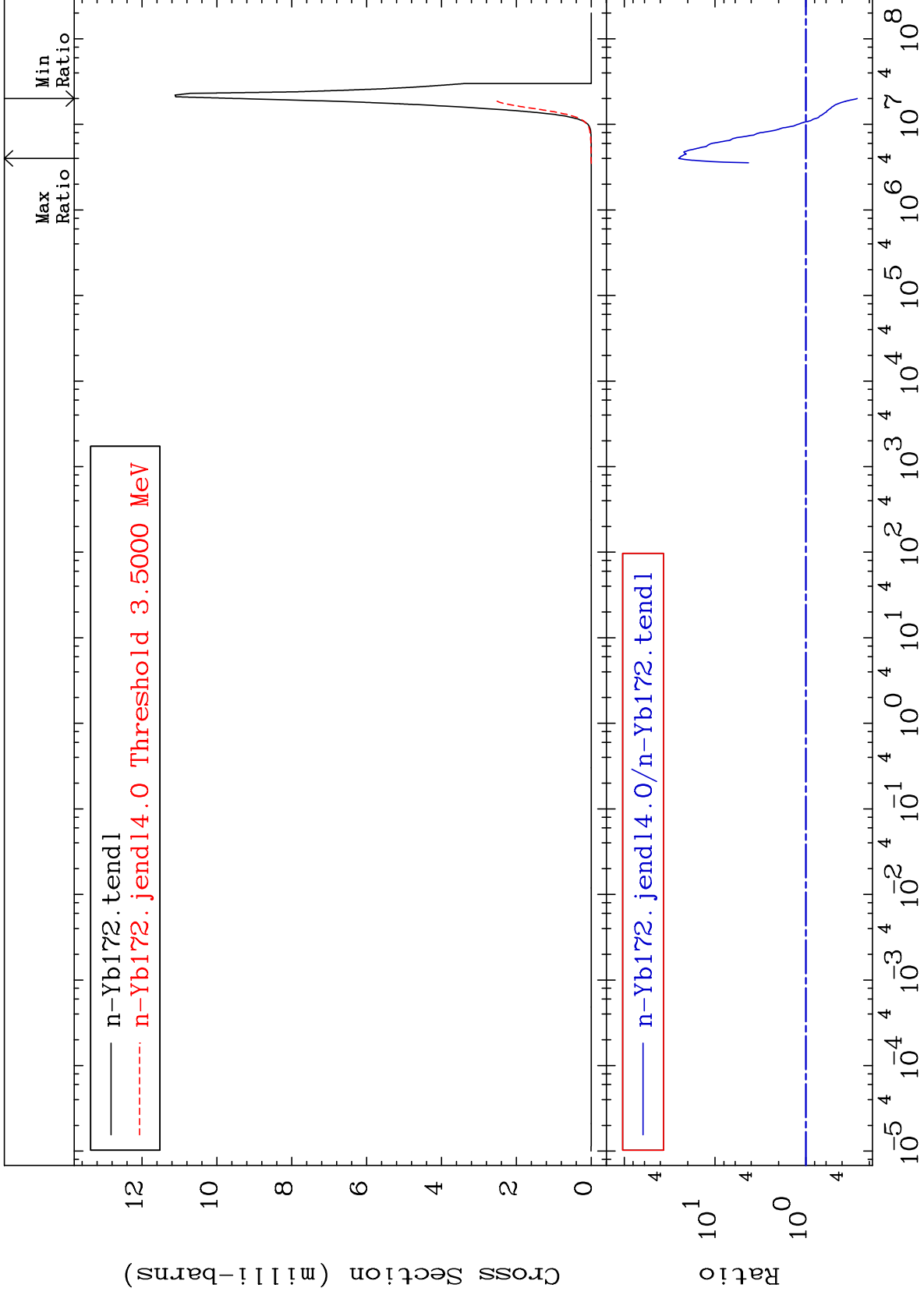
Cross Section

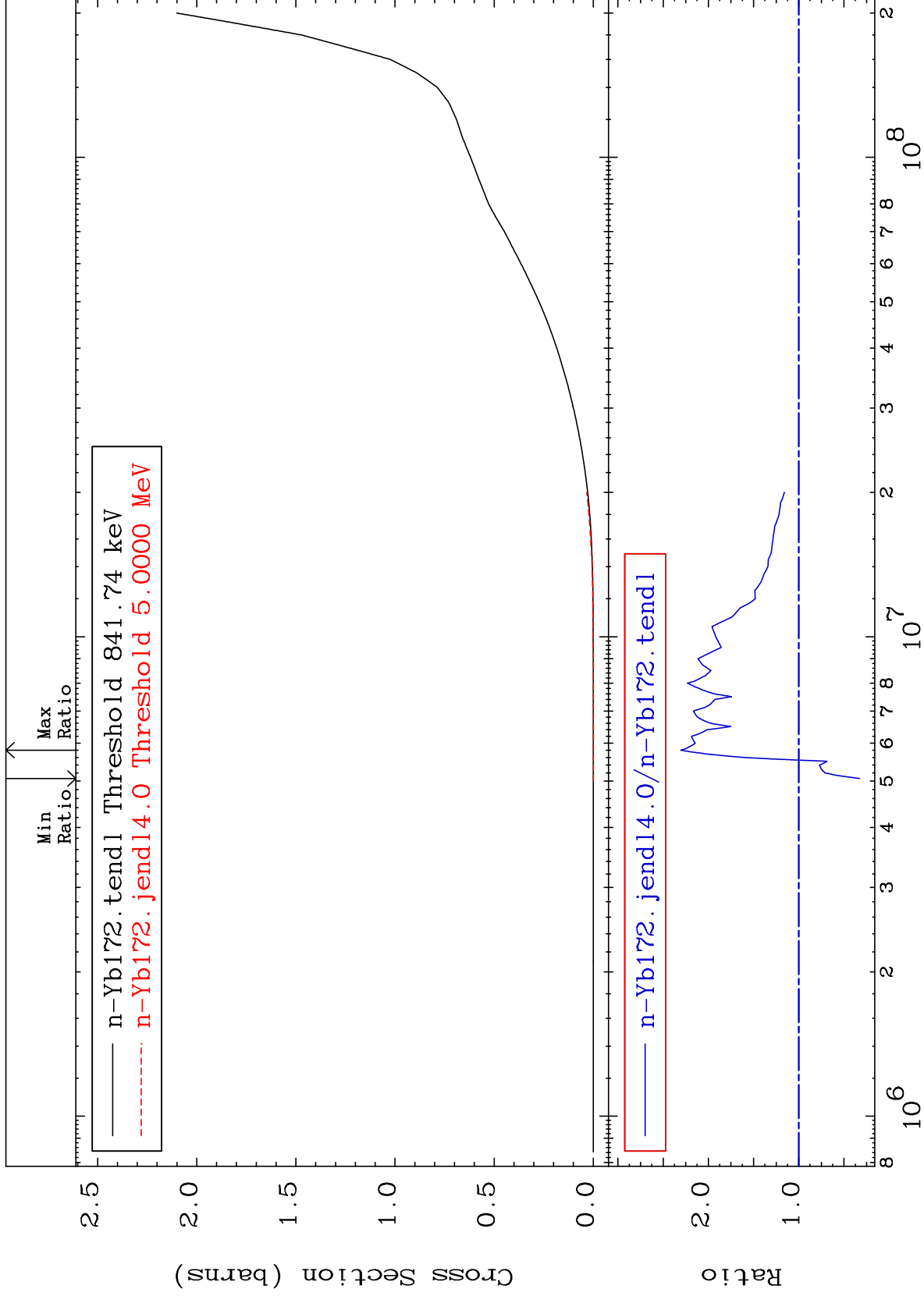


MAT 7037

(n,  $\alpha$ )  
Cross Section

70-Yb-172  
-72.80 To 2418. %

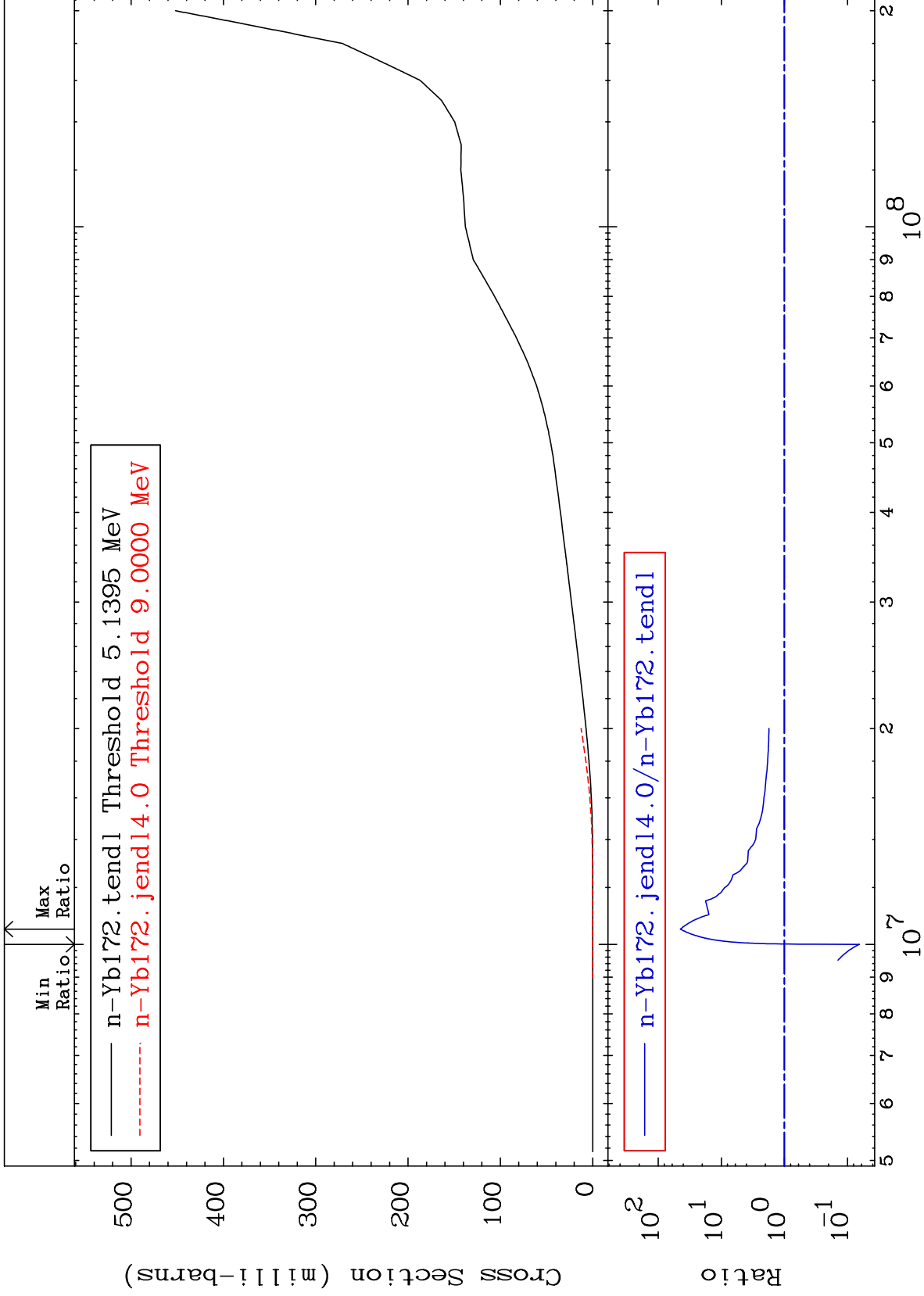


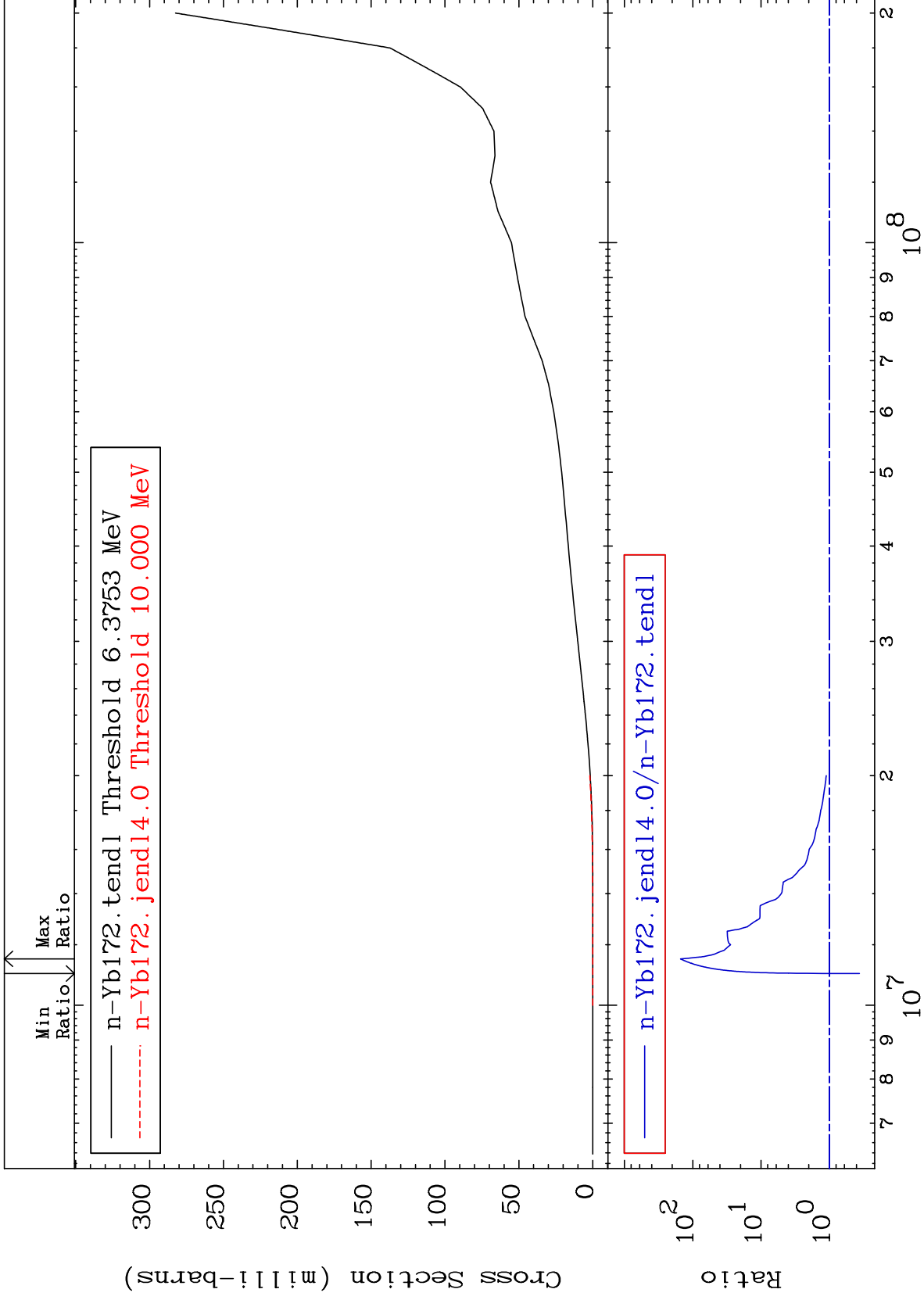


MAT 7037

Deuterium Production  
Cross Section

70-Yb-172  
-93.51 To 4351. %



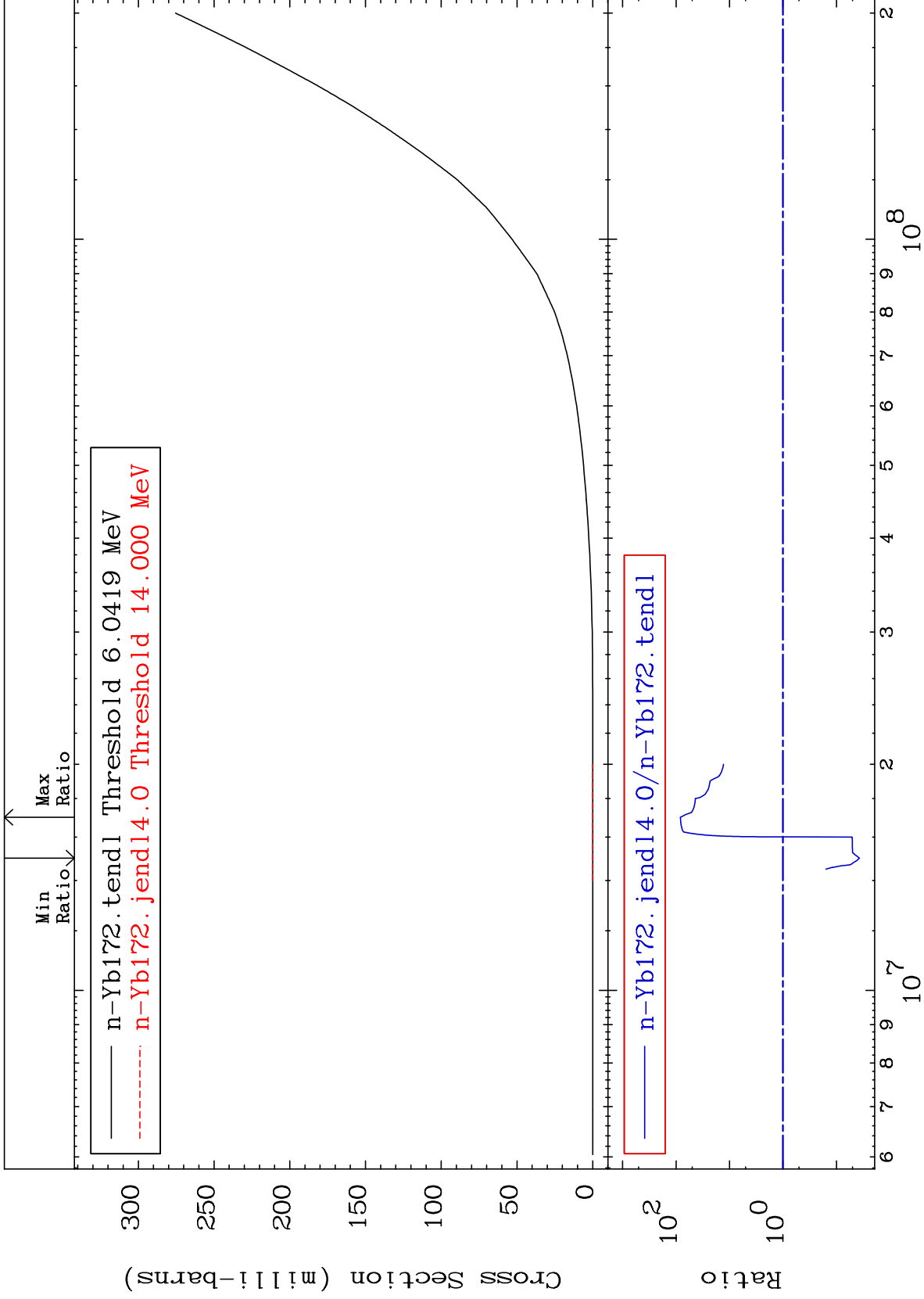




MAT 7037

He-3 Production  
Cross Section

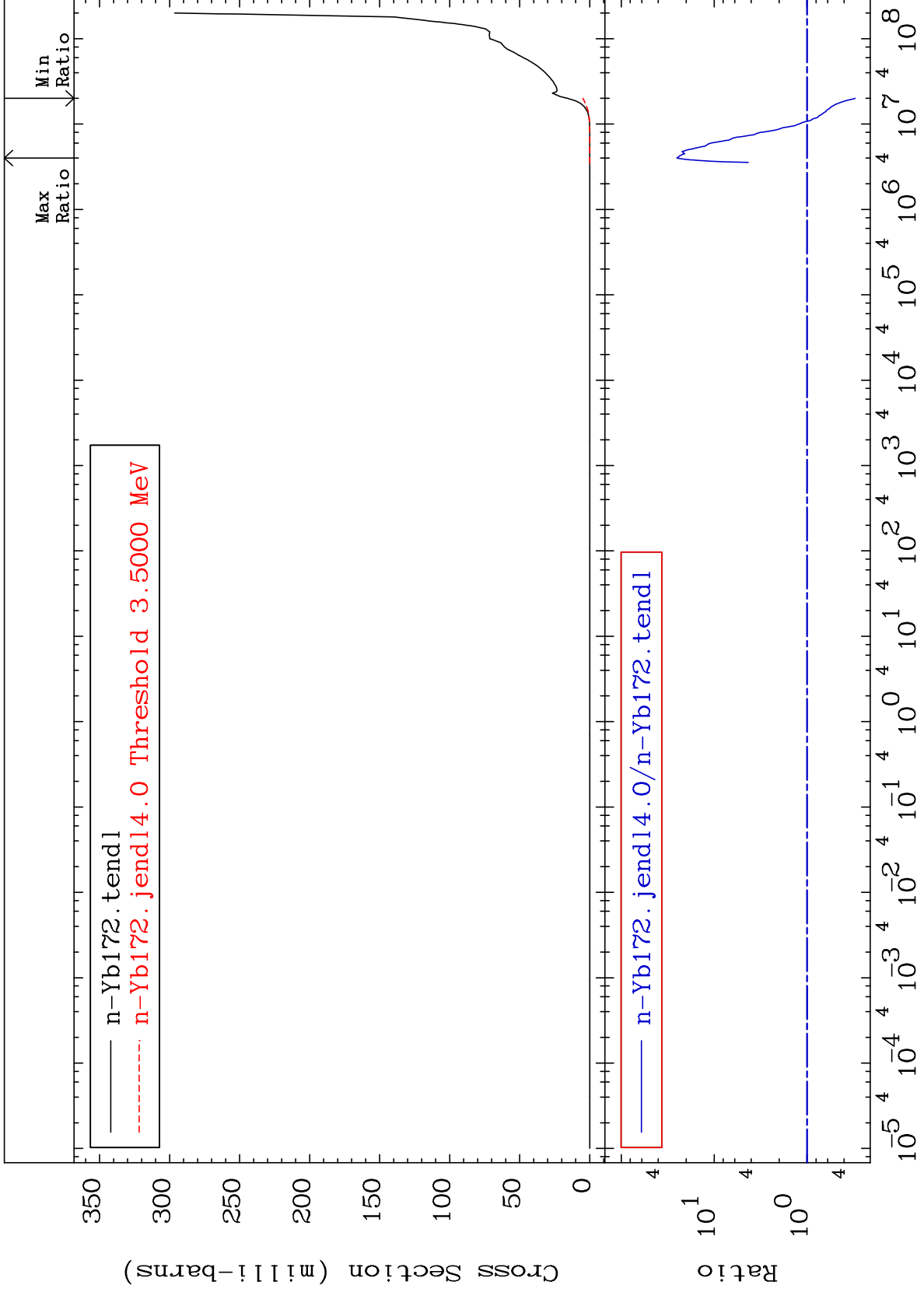
70-Yb-172  
-96.29 To 8211. %



MAT 7037

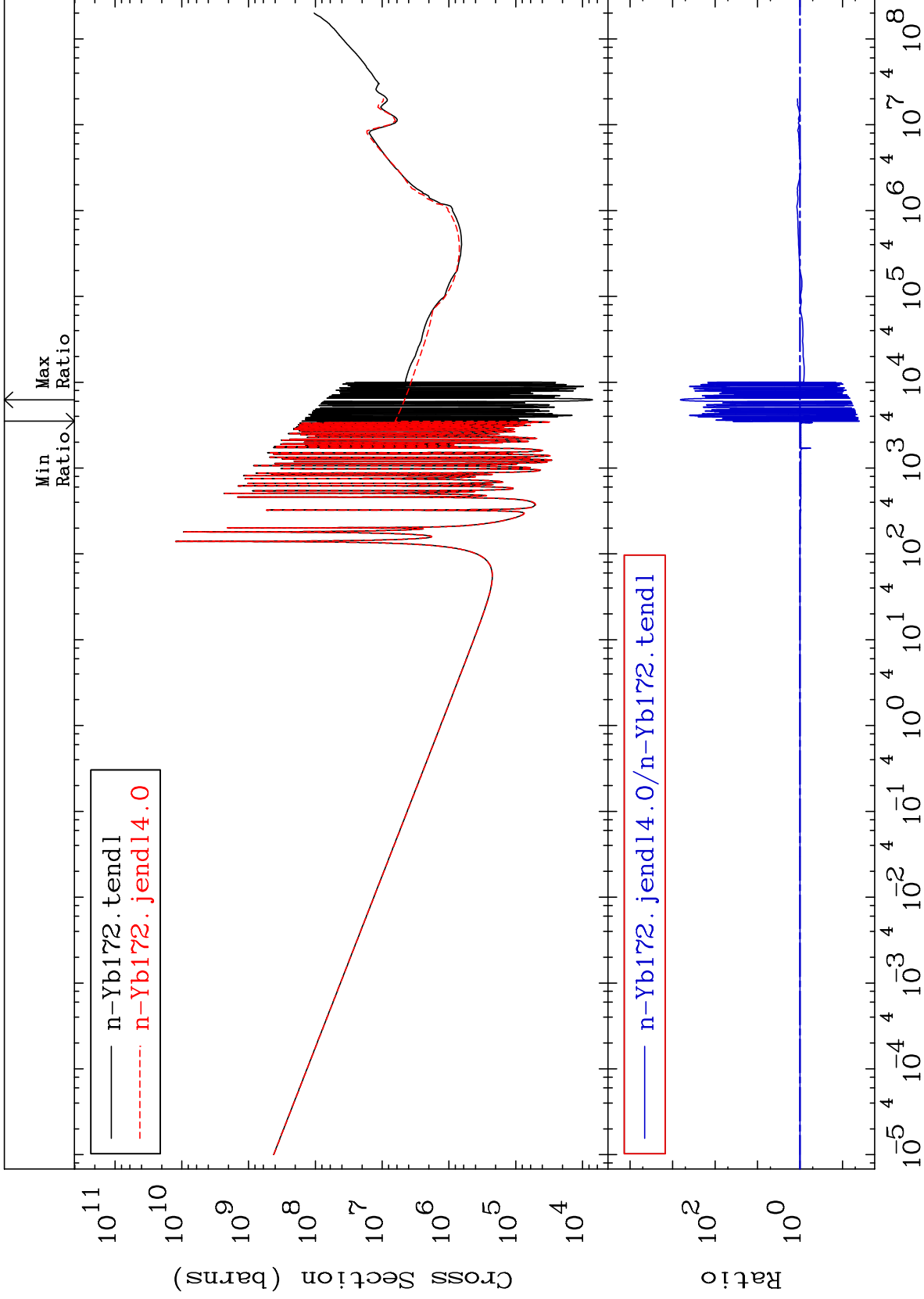
He-4 Production  
Cross Section

70-Yb-172  
-69.60 To 2418. %



Incident Energy (eV)

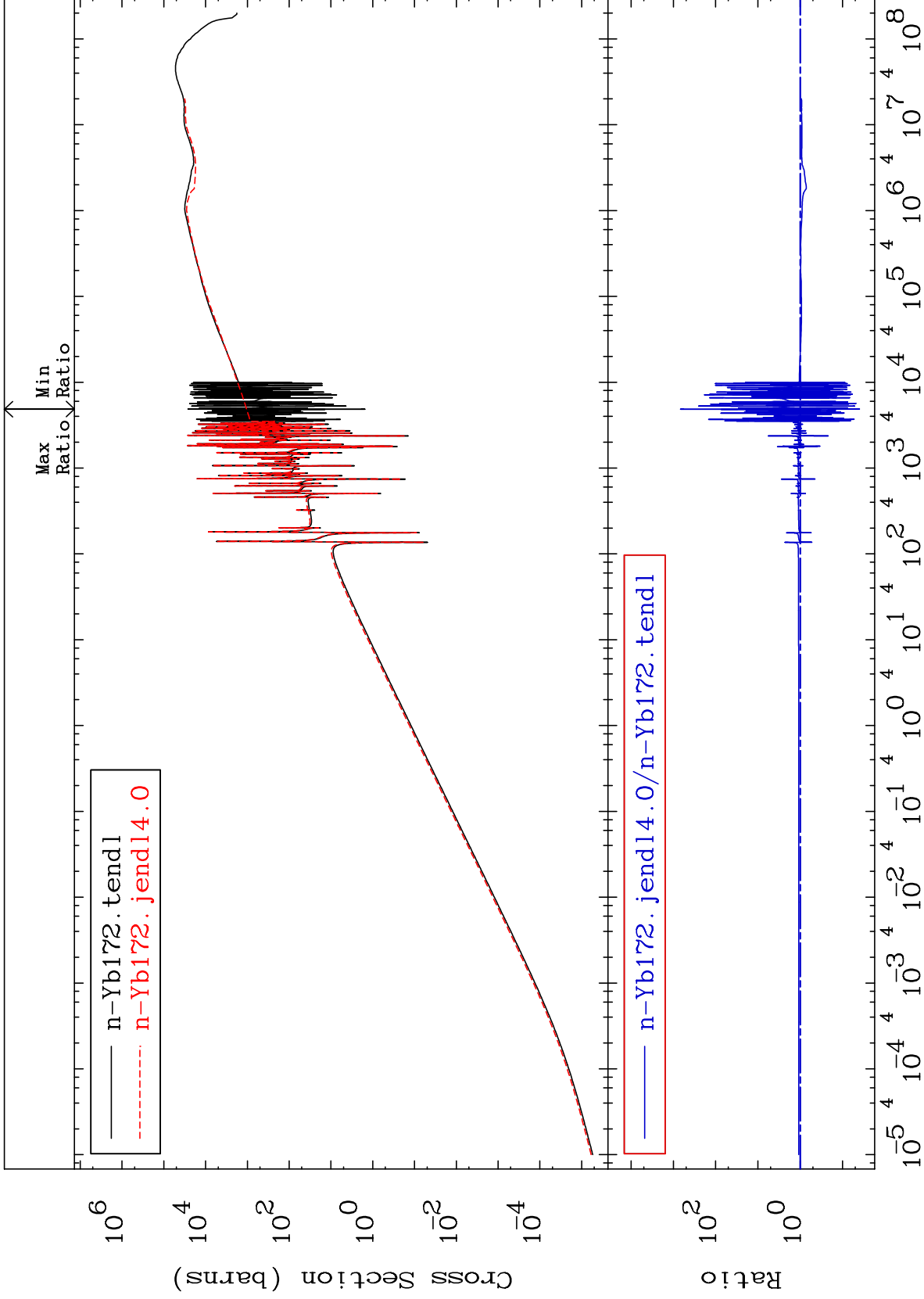
70-Yb-172



MAT 7037

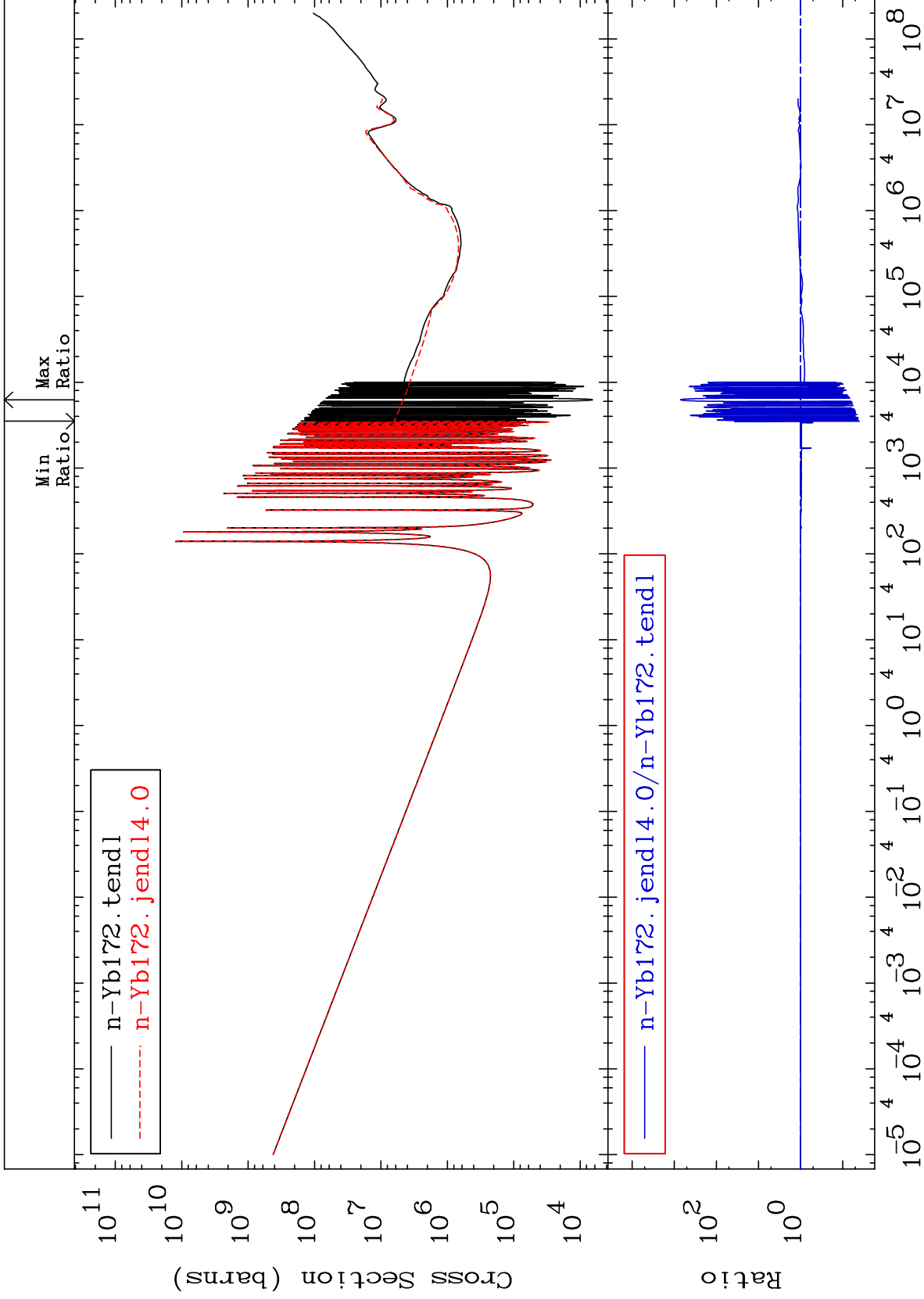
Kerma elastic  
Cross Section

70-Yb-172  
-96.02 To 9999. %

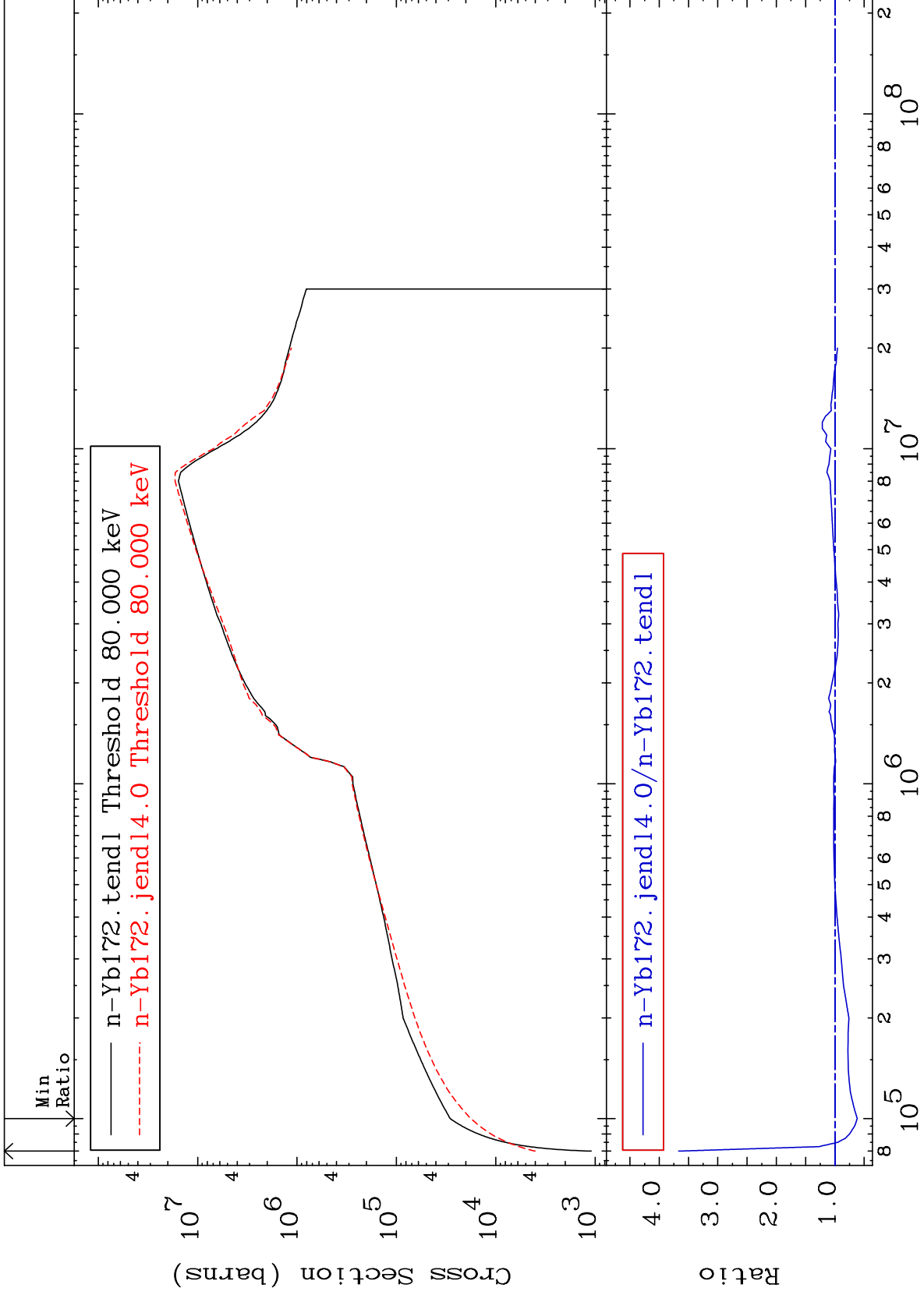


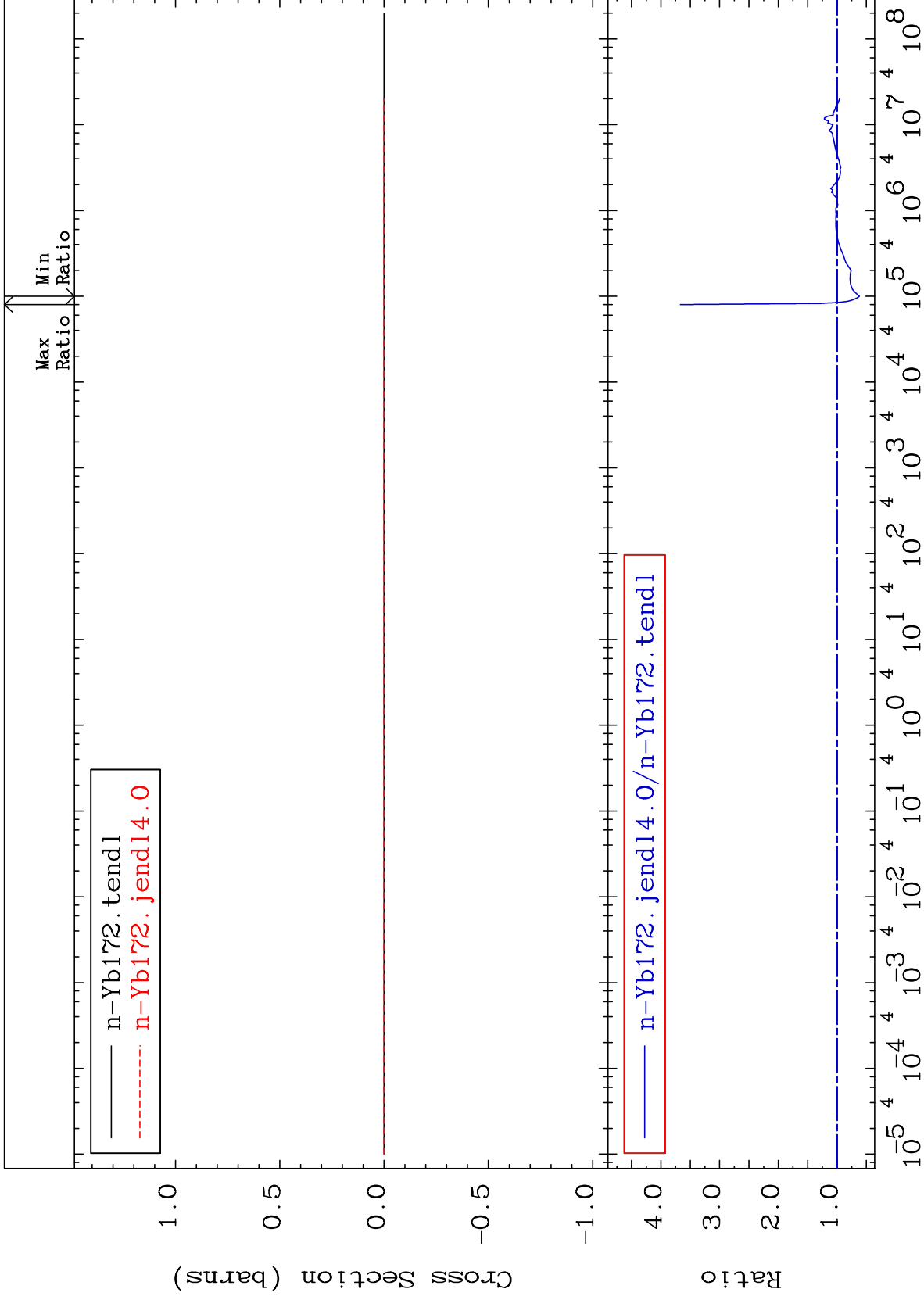
Cross Section

-96.00 To 9999. %



Incident Energy (eV)

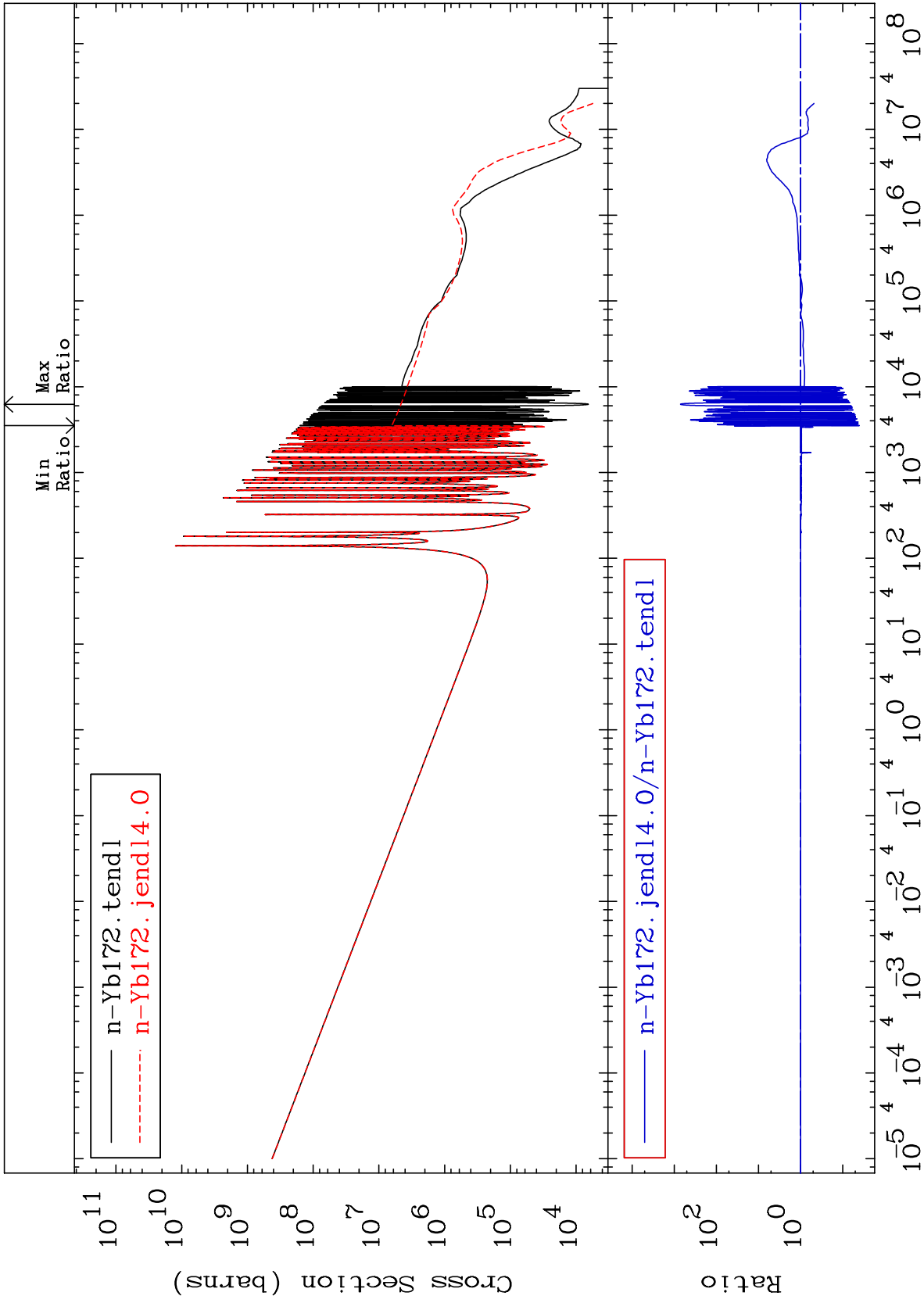




MAT 7037

Kerma capture (mt102)  
Cross Section

70-Yb-172  
-96.00 To 9999. %



56

Incident Energy (eV)

70-Yb-172

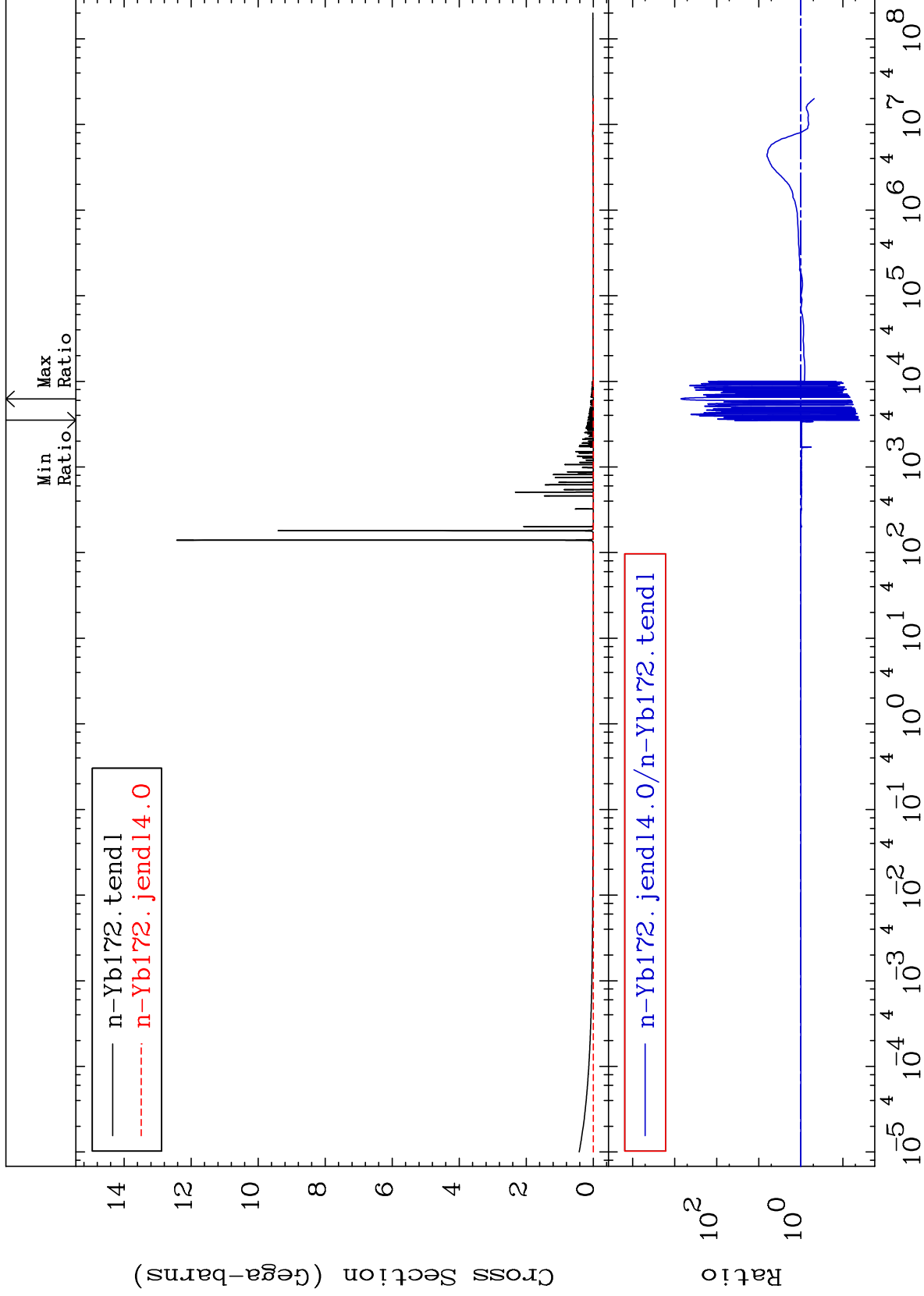


MAT 7037

Total photon (eV-barns)  
Cross Section

70-Yb-172

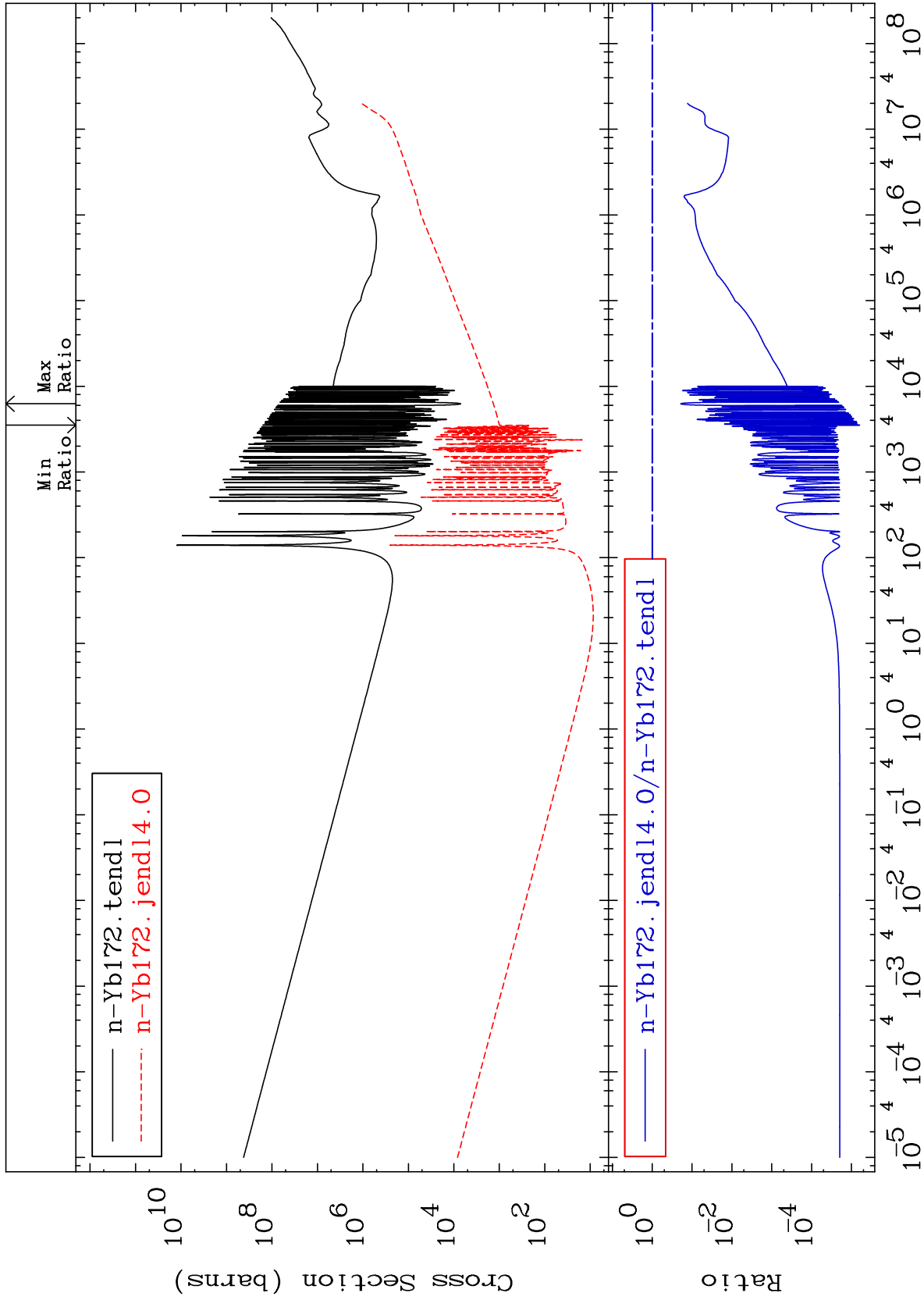
-96.00 To 9999. %

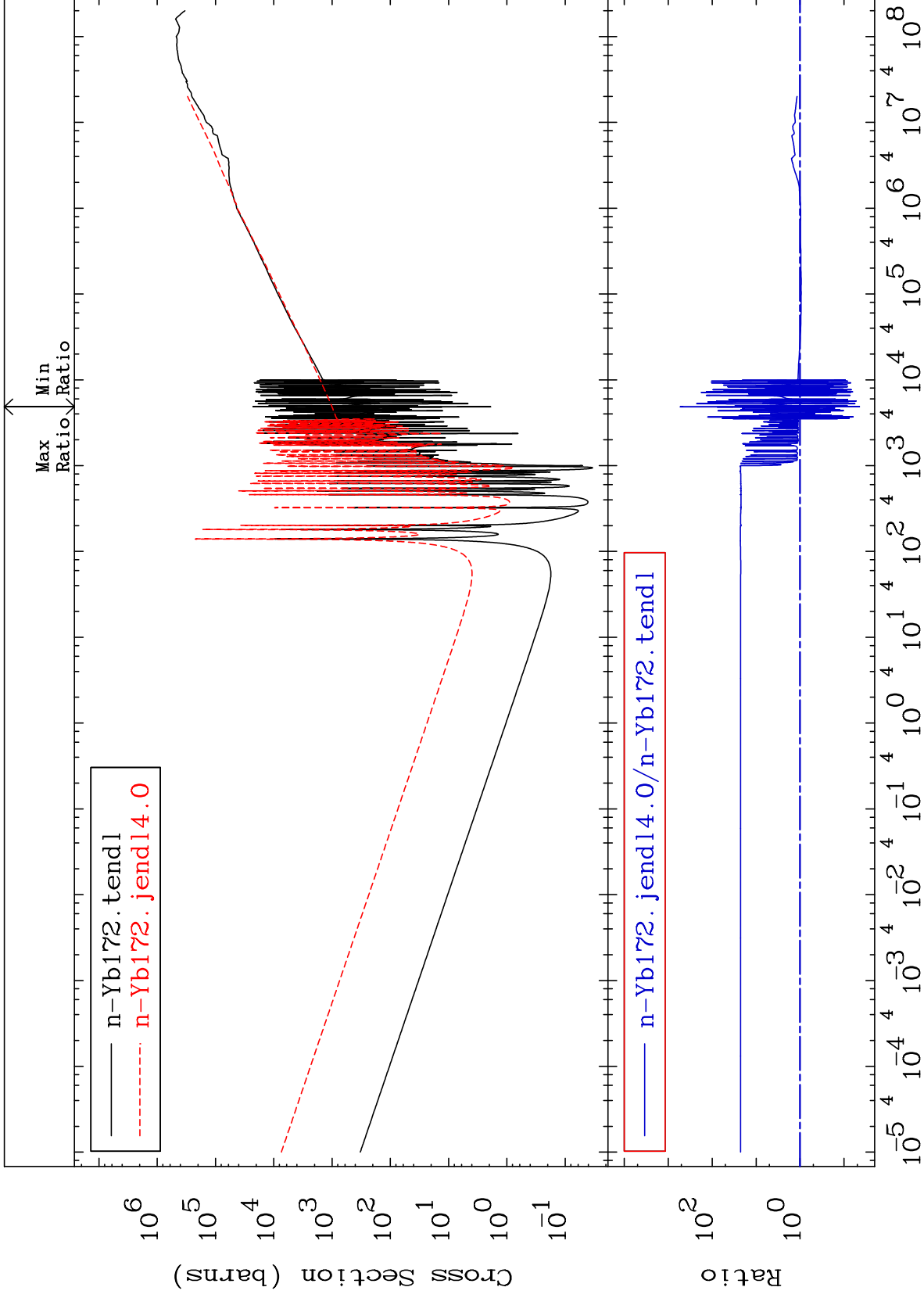


57

Incident Energy (eV)

70-Yb-172

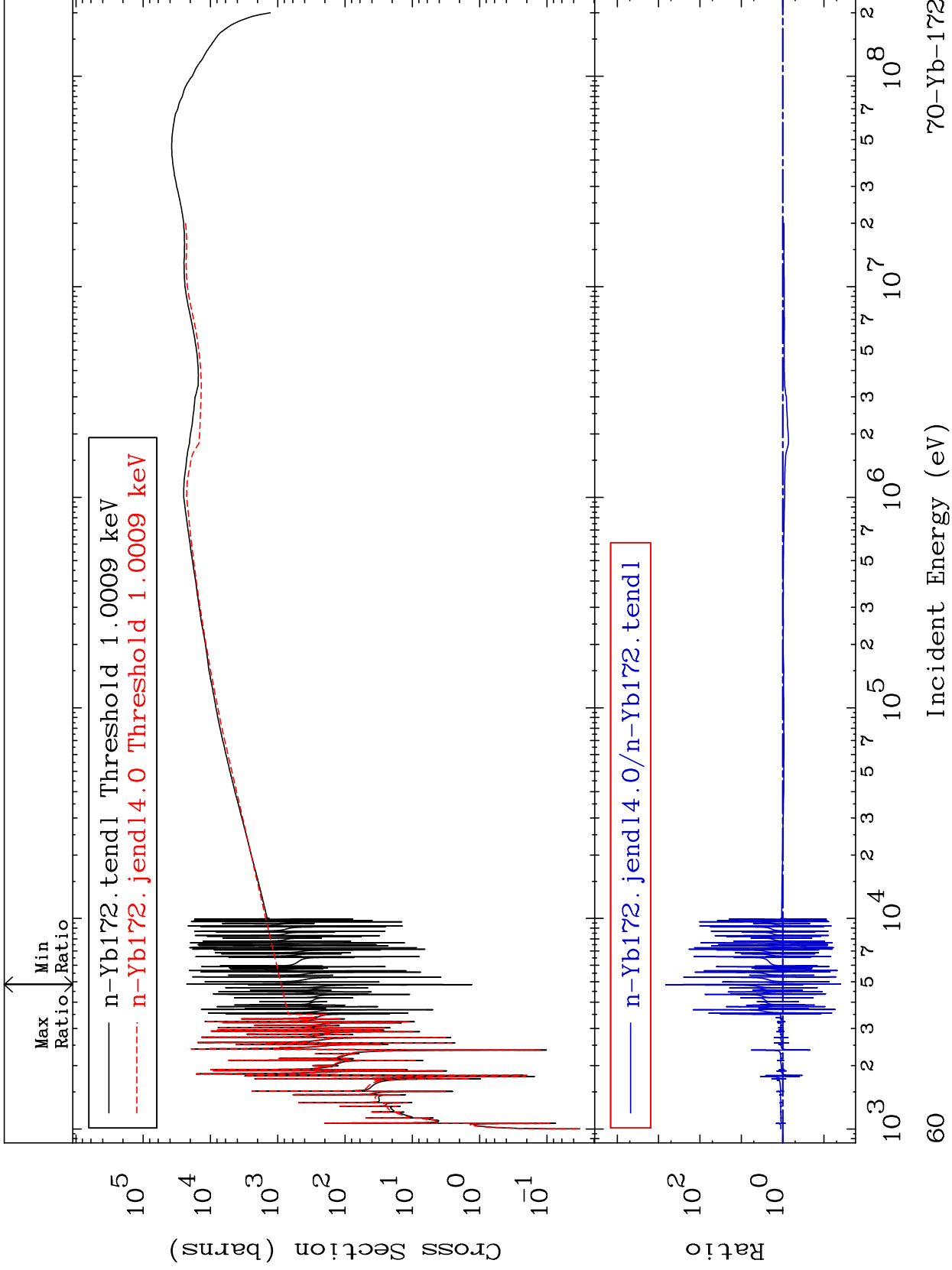


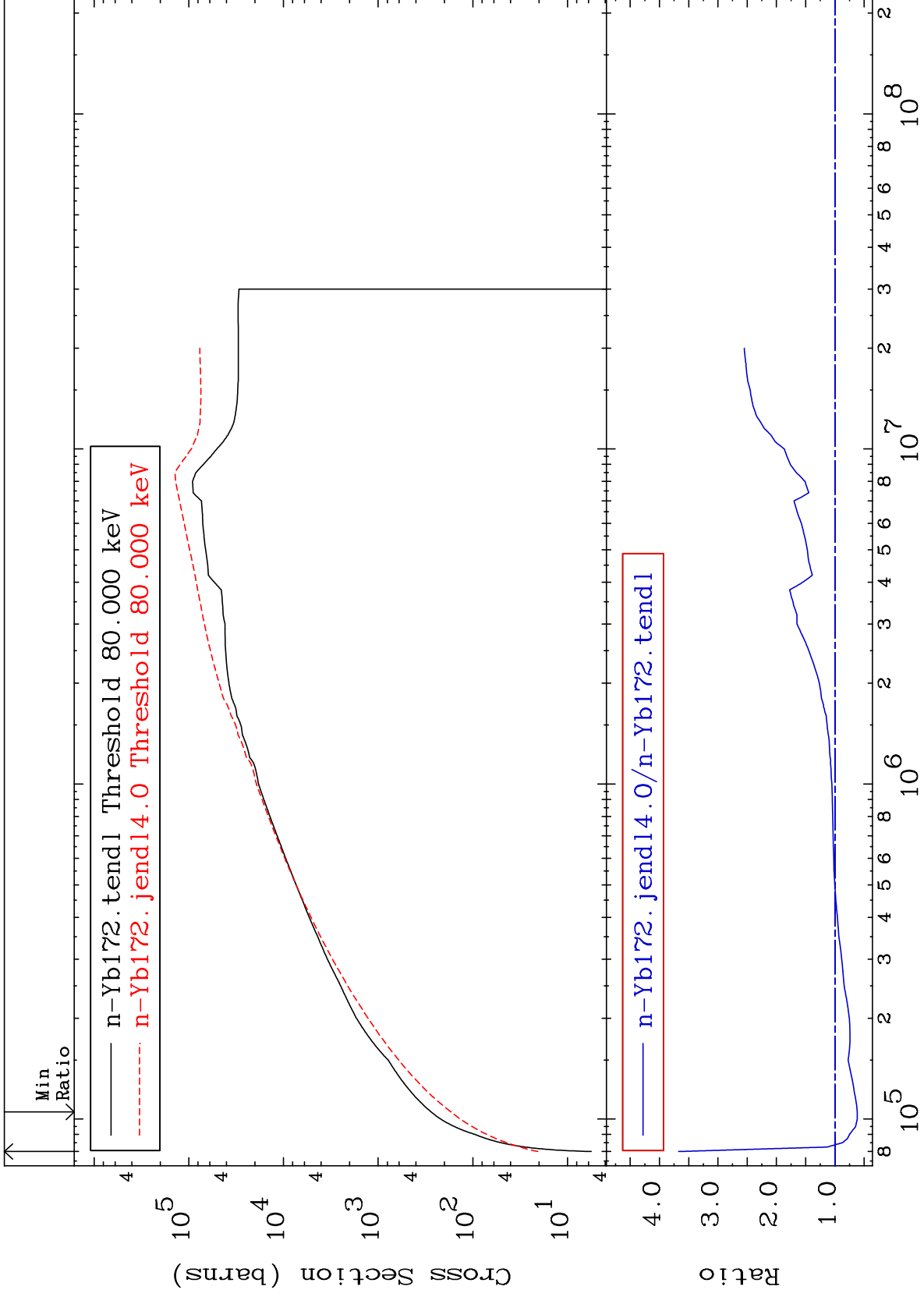


MAT 7037

Dpa elastic (mt2)  
Cross Section

70-Yb-172  
-96.04 To 9999. %





MAT 7037

Dpa disappearance (mt102 -120)  
Cross Section

70-Yb-172  
To 9999. %  
5.008

