

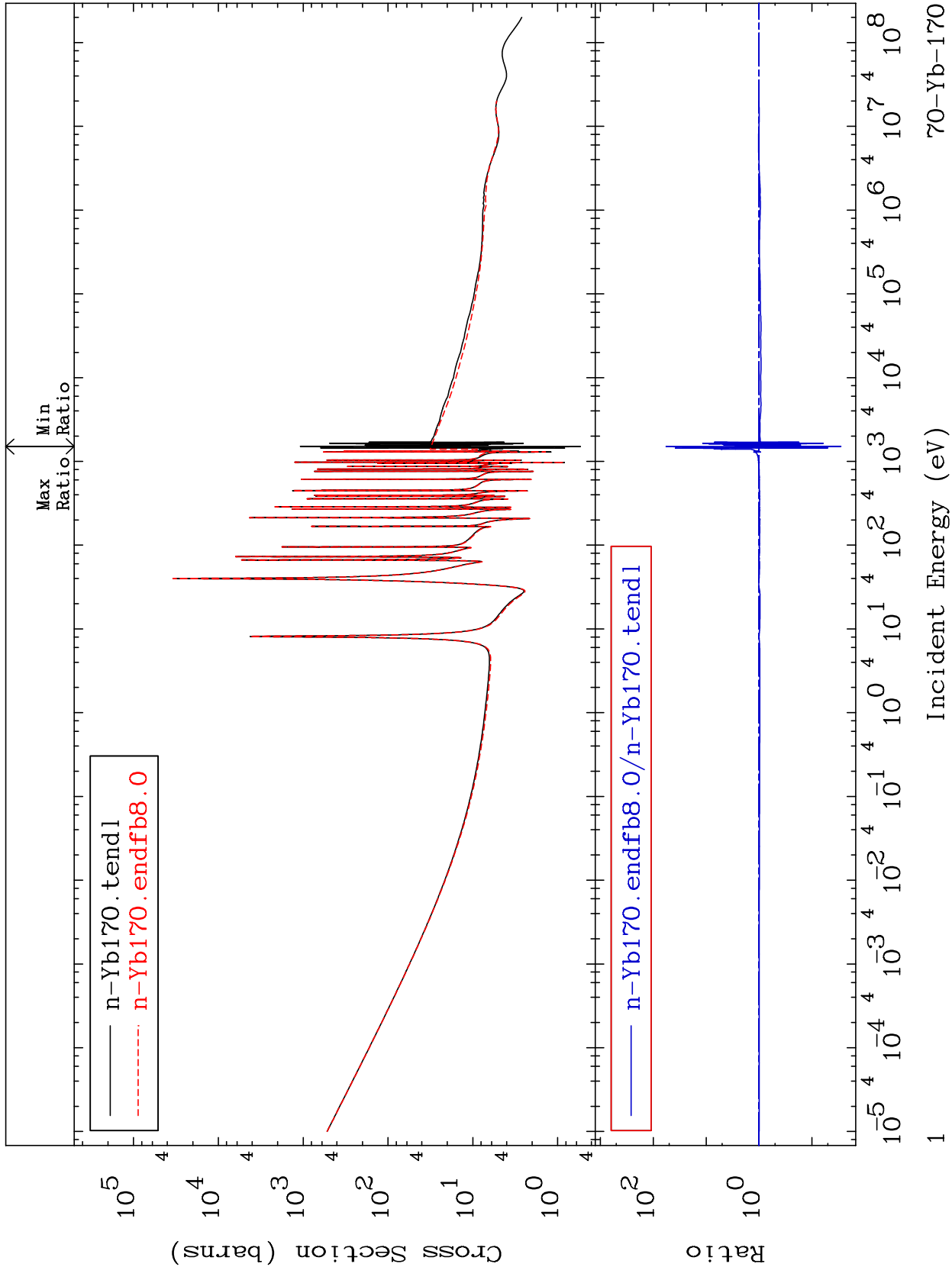
MAT 7031

Total

Cross Section

<sup>70</sup>Yb-<sup>170</sup>

-97.15 To 5644. %



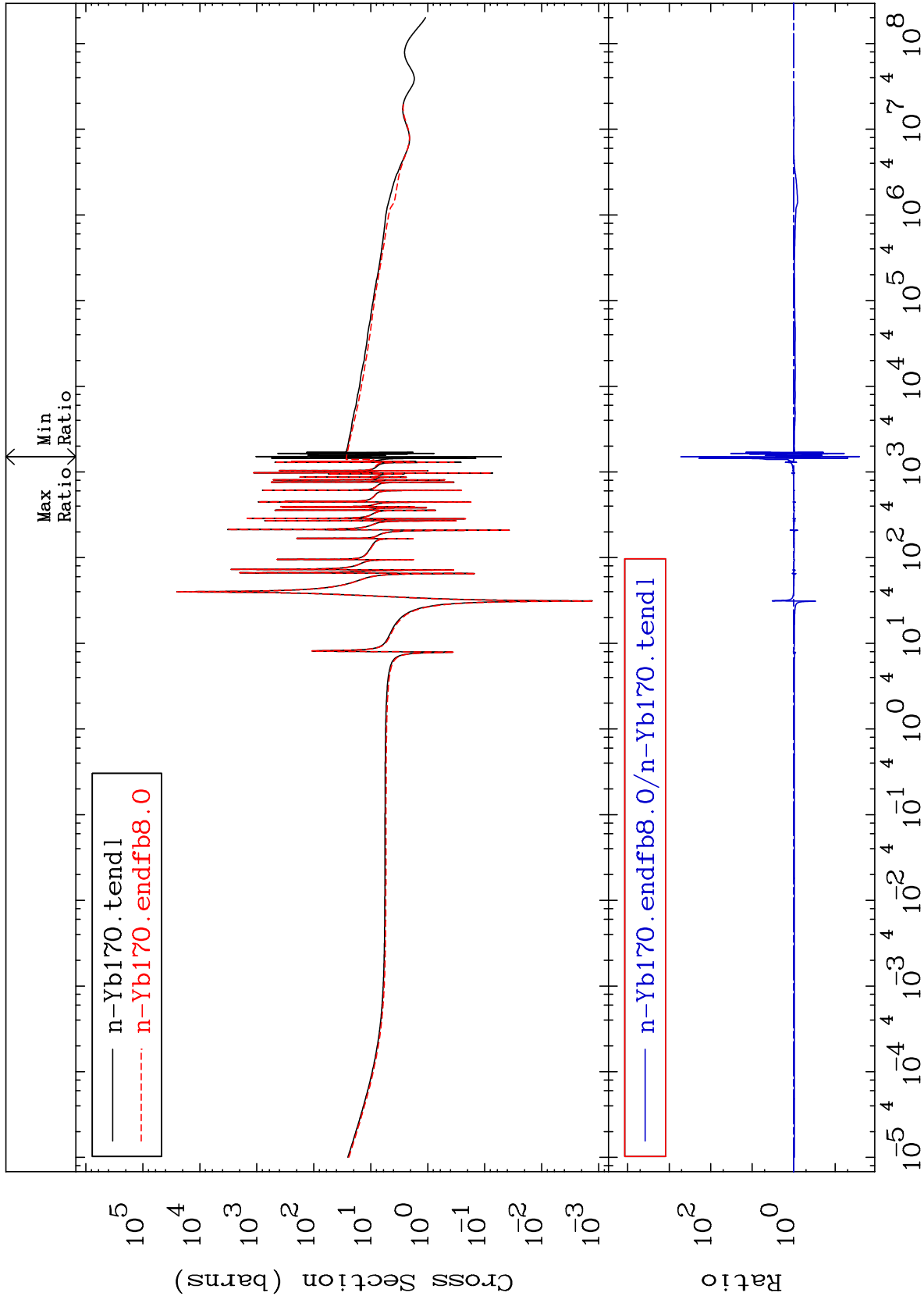
MAT 7031

Elastic

Cross Section

<sup>70</sup>Yb-<sup>170</sup>

-97.43 To 9999. %



2

Incident Energy (eV)

<sup>70</sup>Yb-<sup>170</sup>

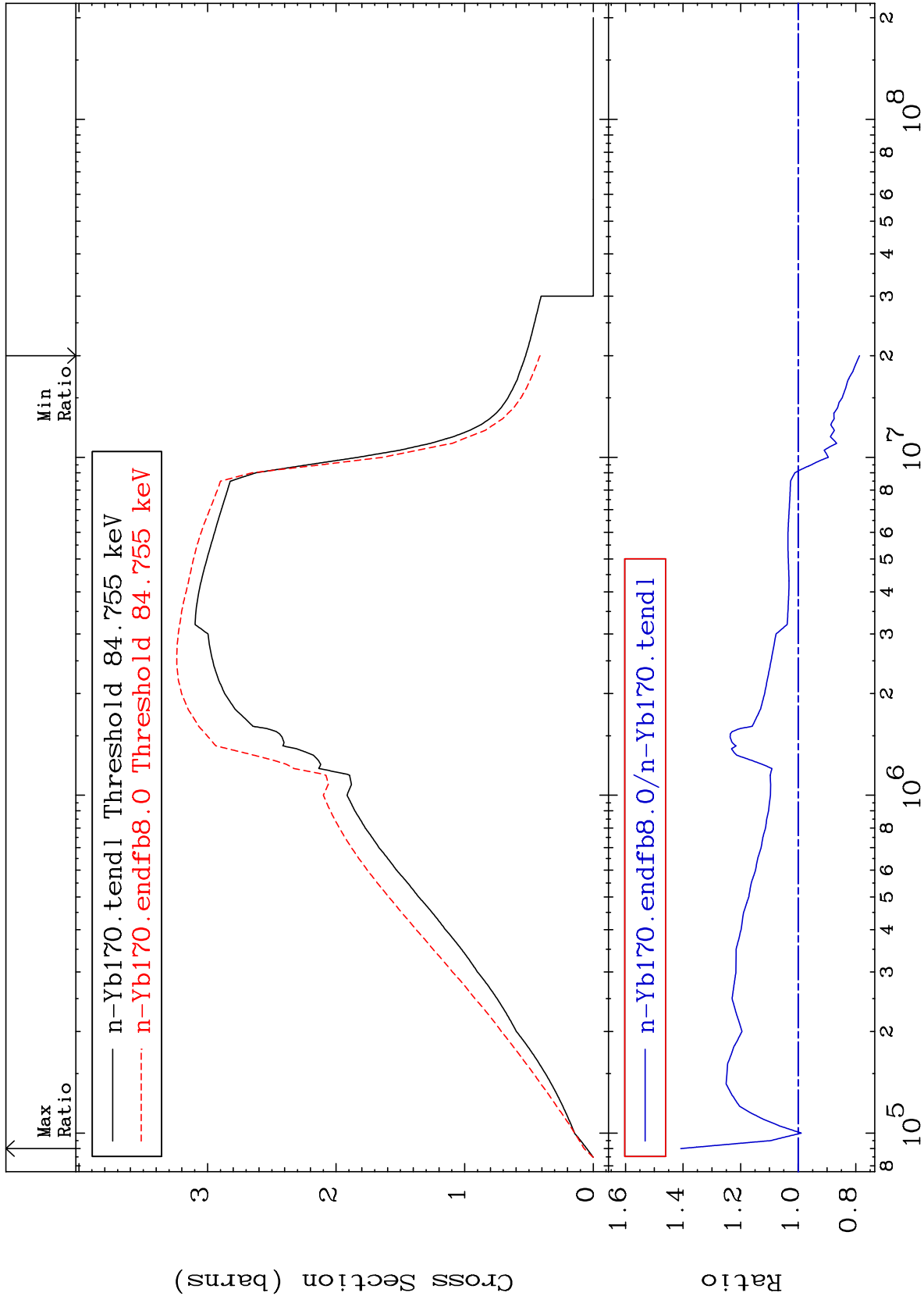
MAT 7031

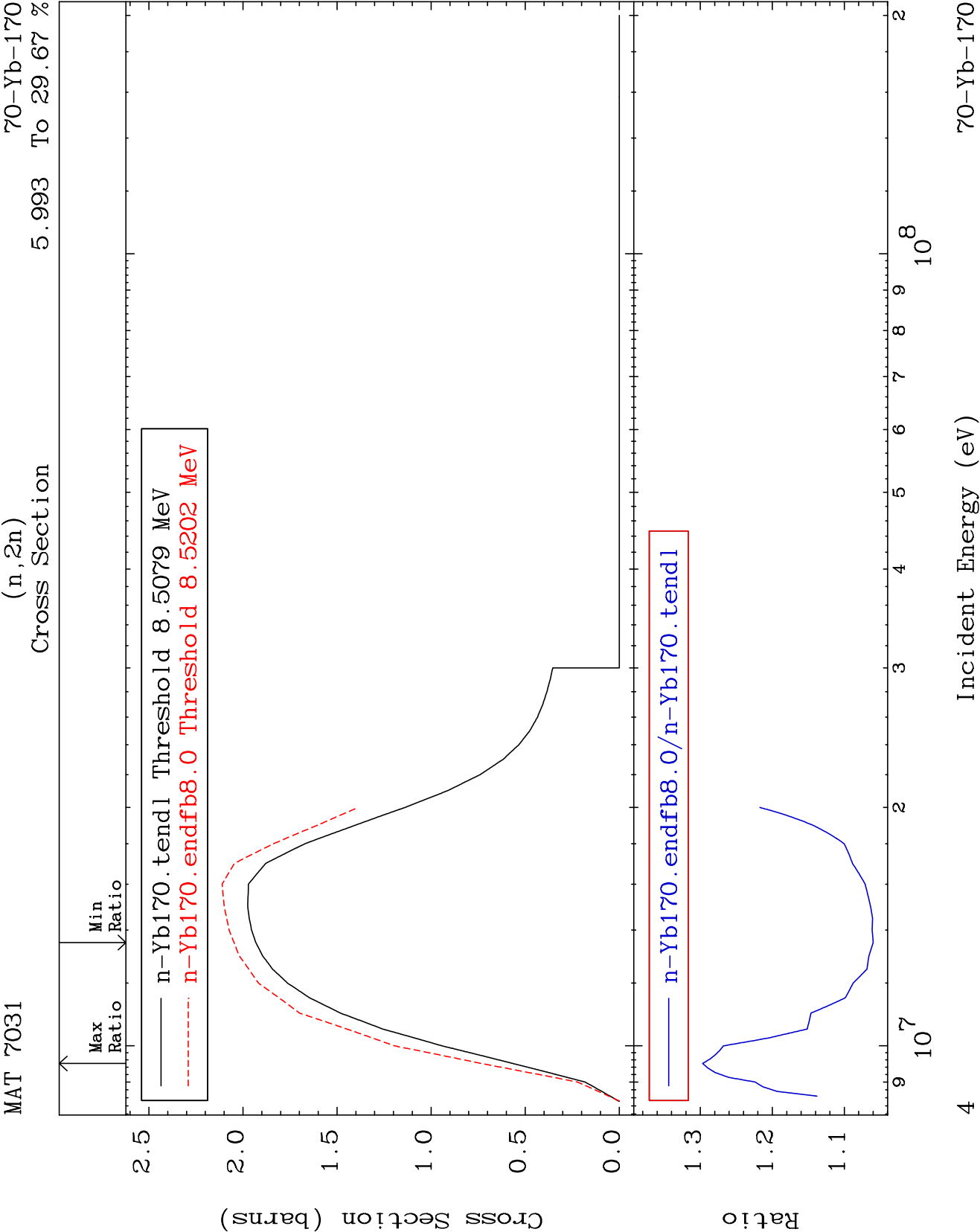
Inelastic

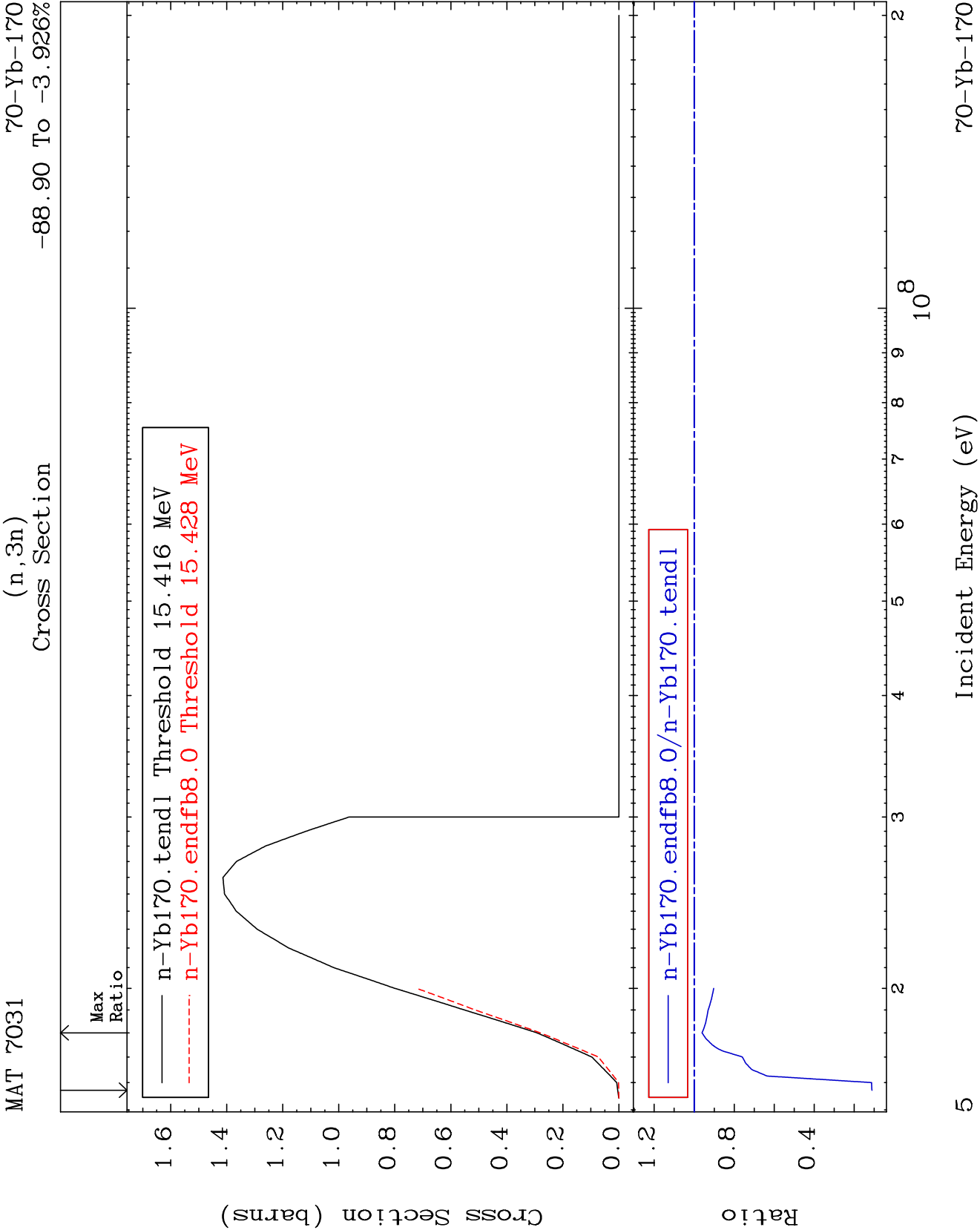
70-Yb-170

Cross Section

-21.30 To 40.80 %

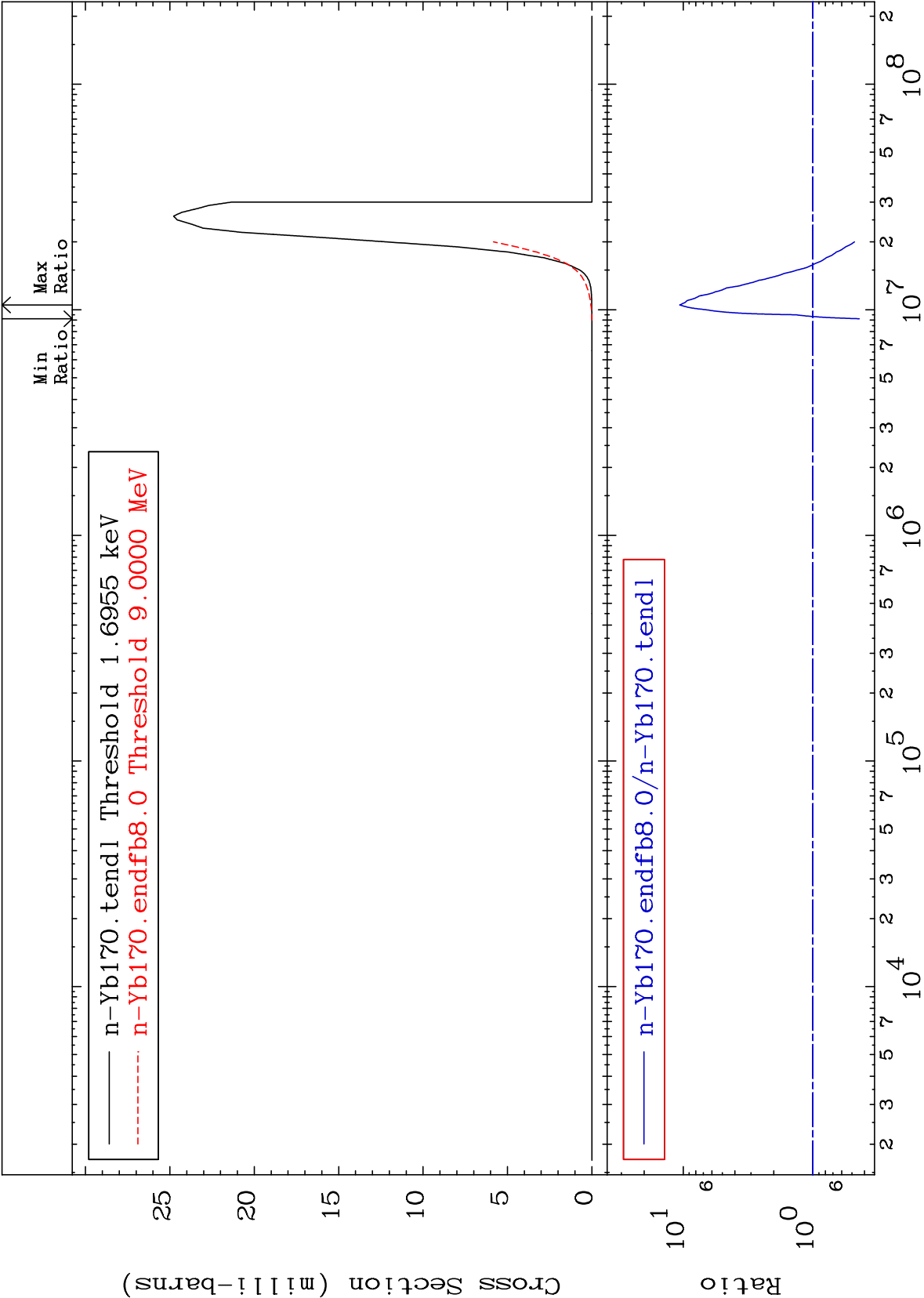




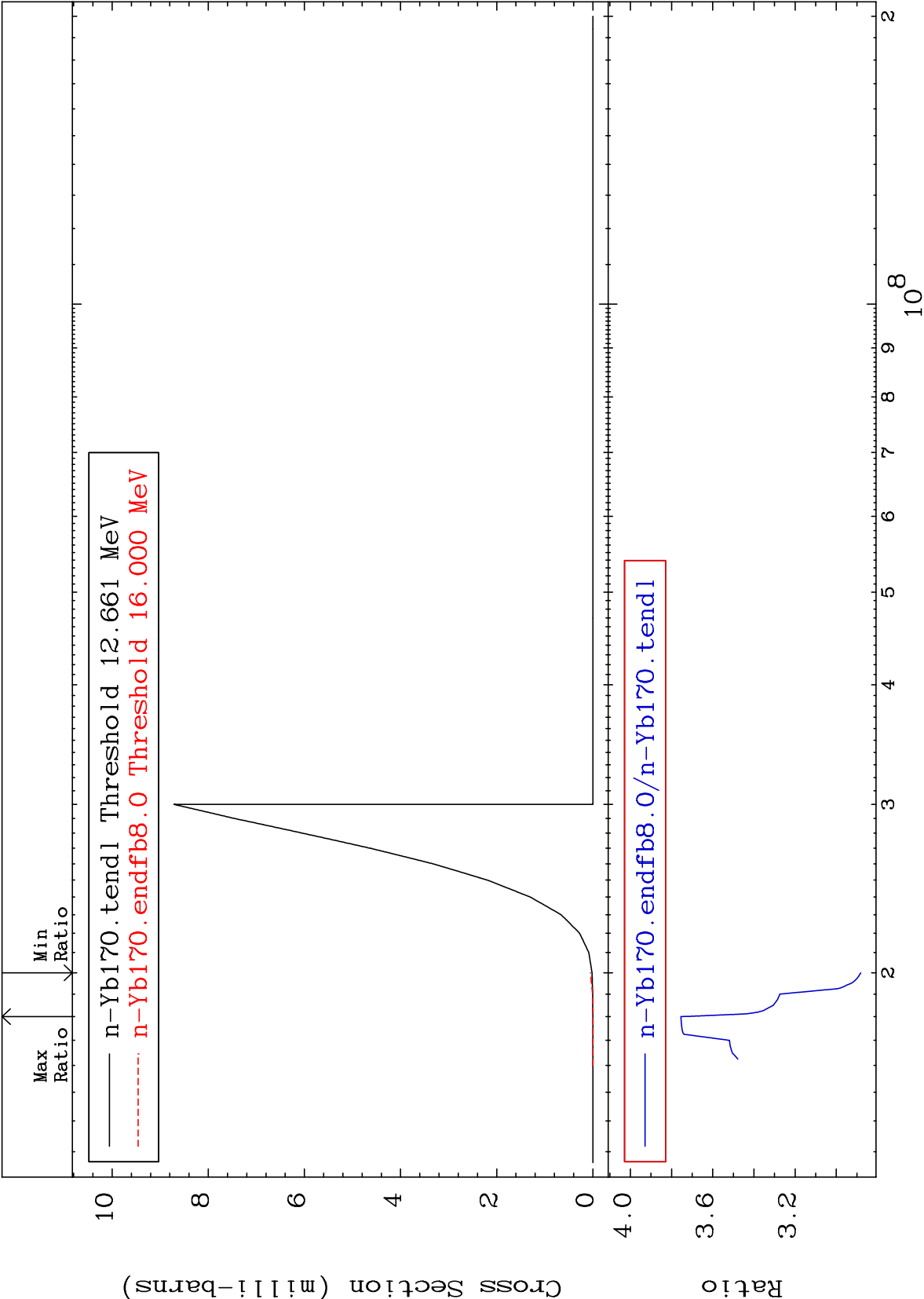


MAT 7031

$(n, n') \alpha$   
Cross Section  
70-Yb-170  
-56.09 To 963.1 %









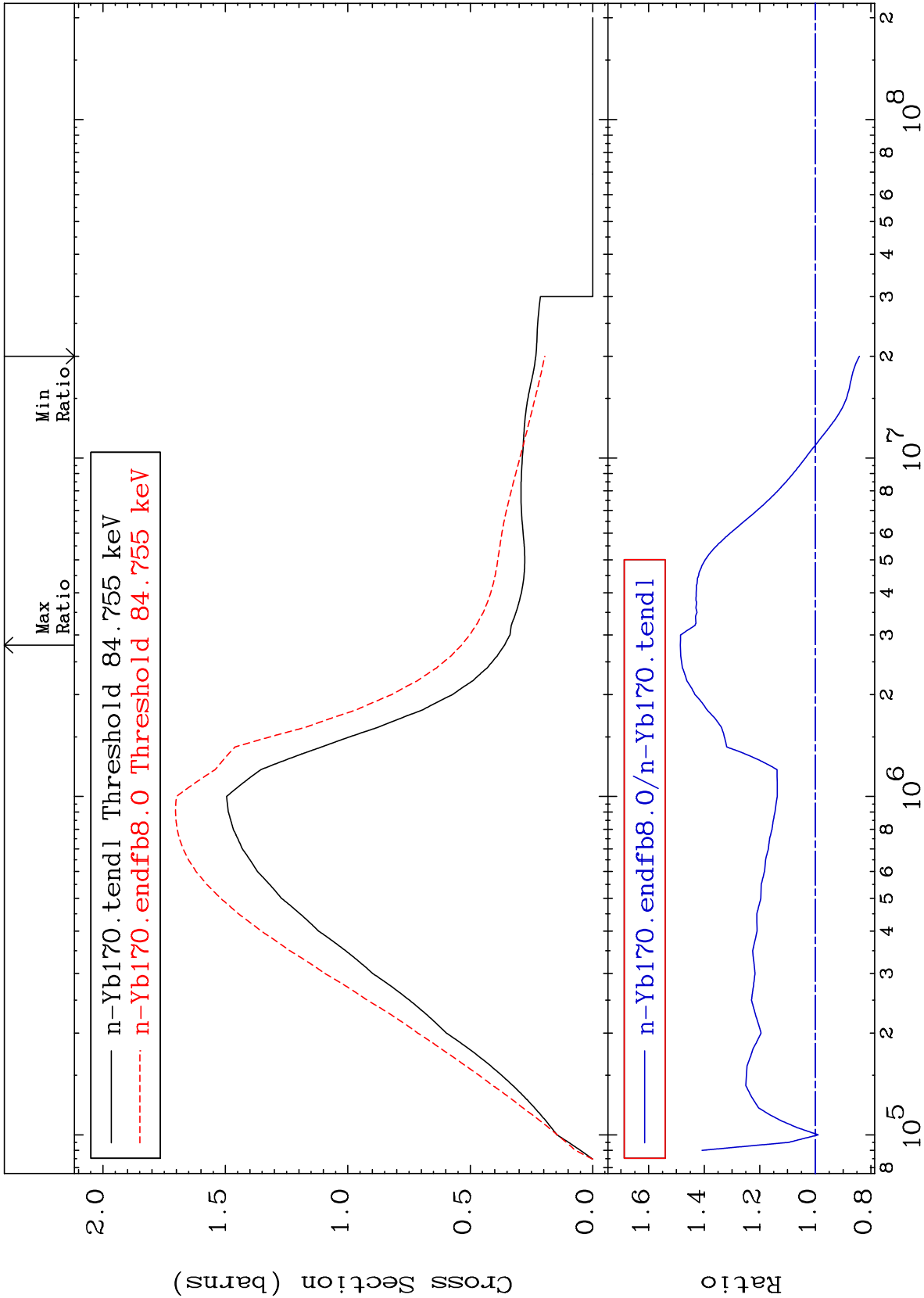
MAT 7031

MT= 51 (n,n') Level

70-Yb-170

Cross Section

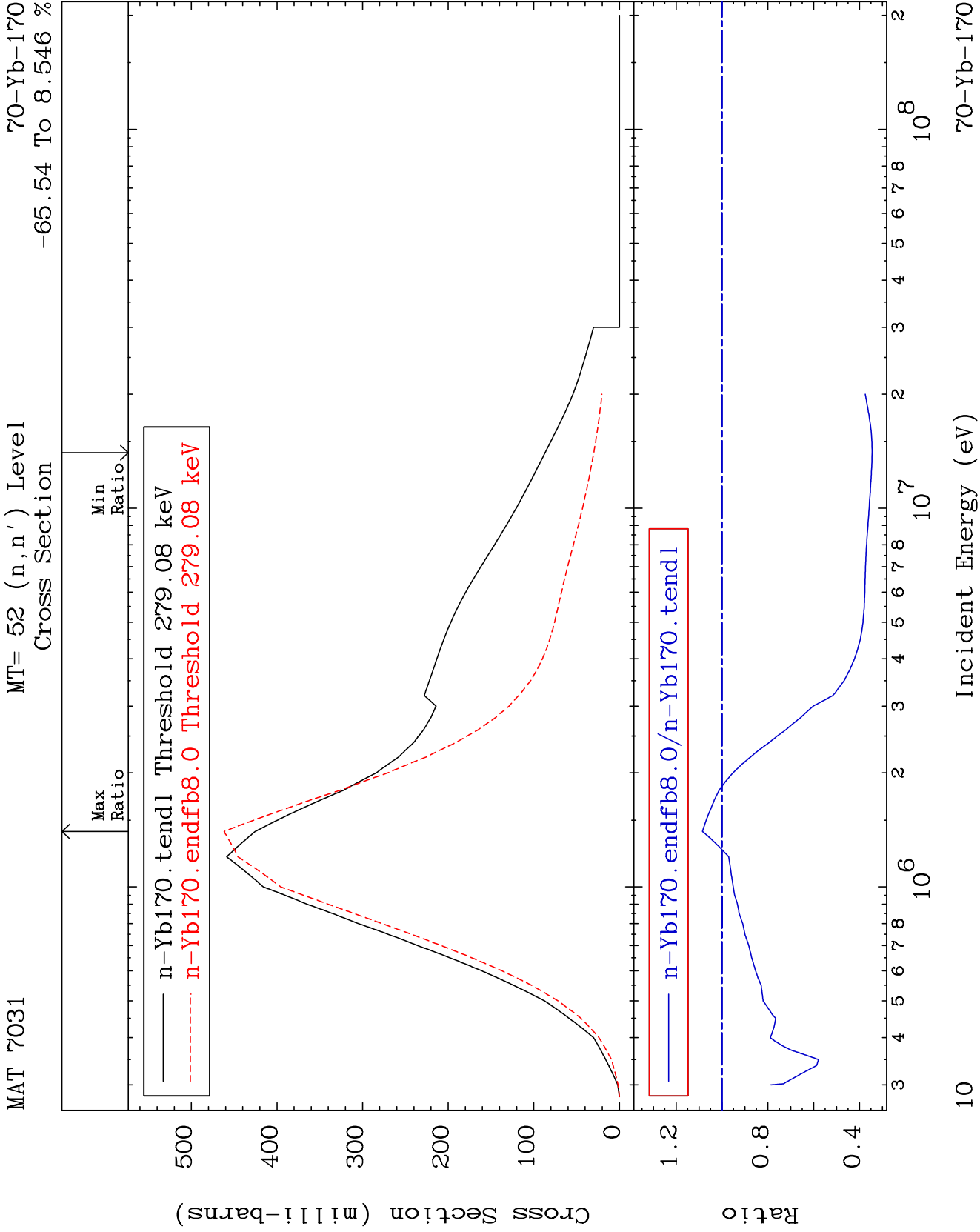
-15.88 To 48.59 %

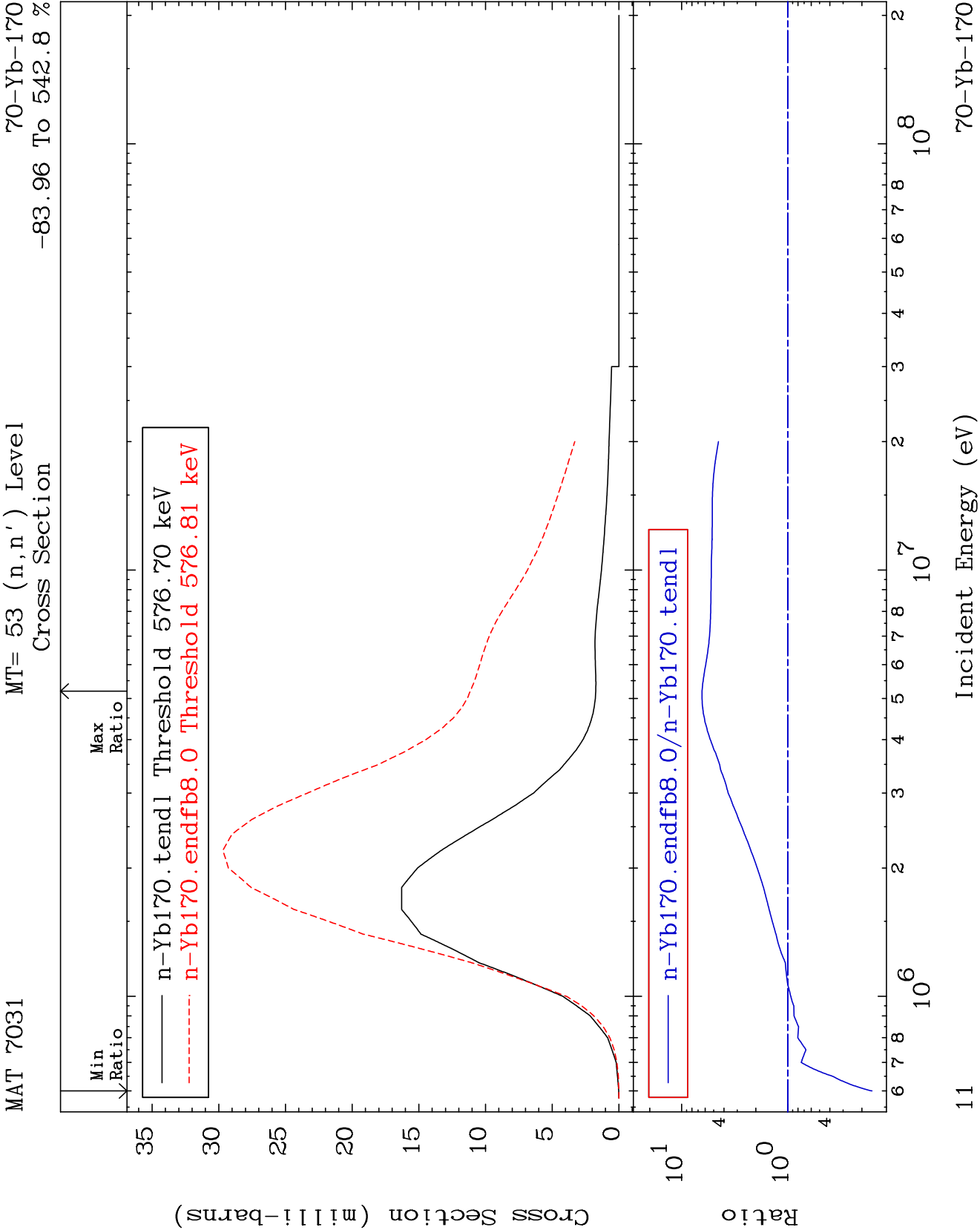


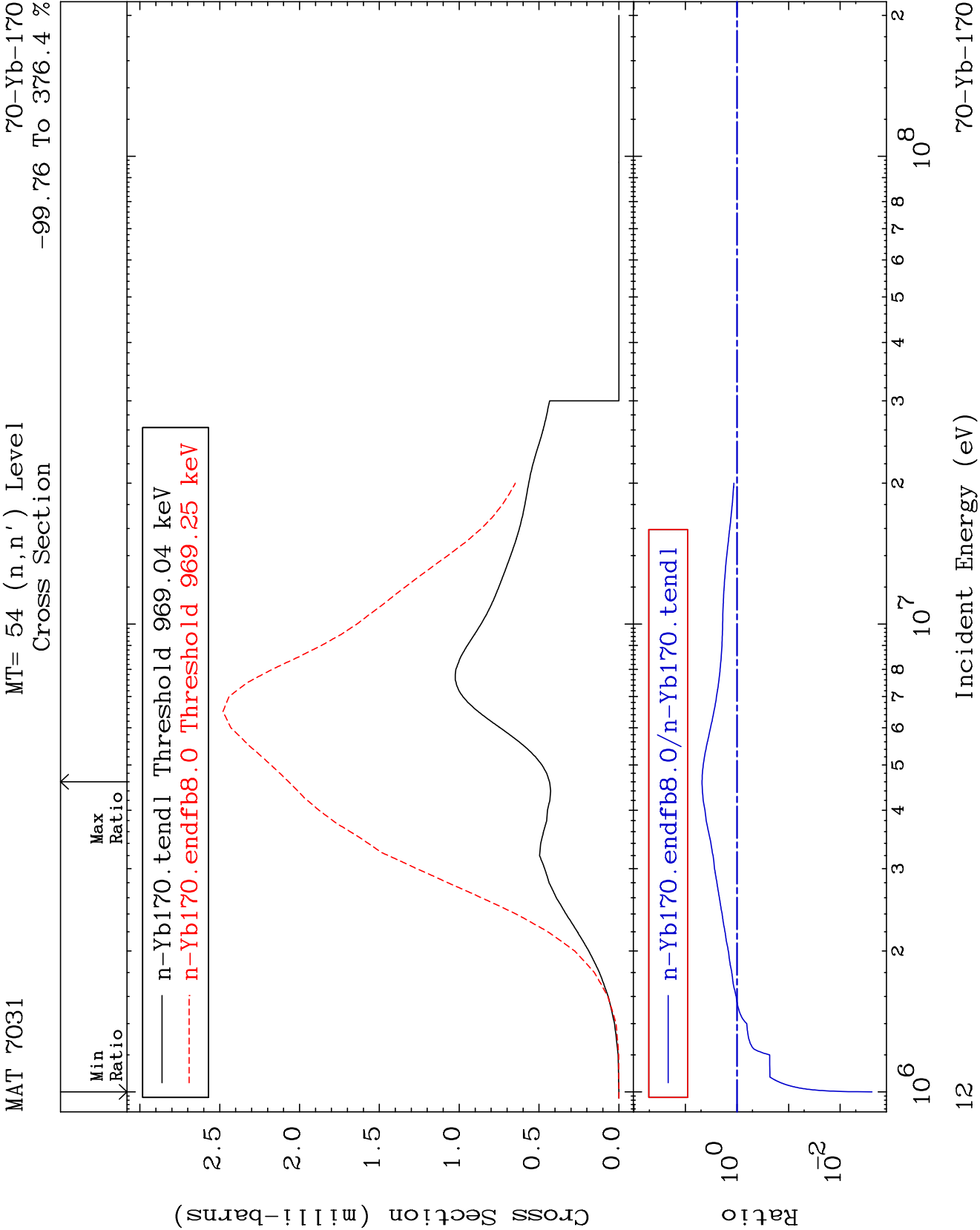
9

Incident Energy (eV)

70-Yb-170



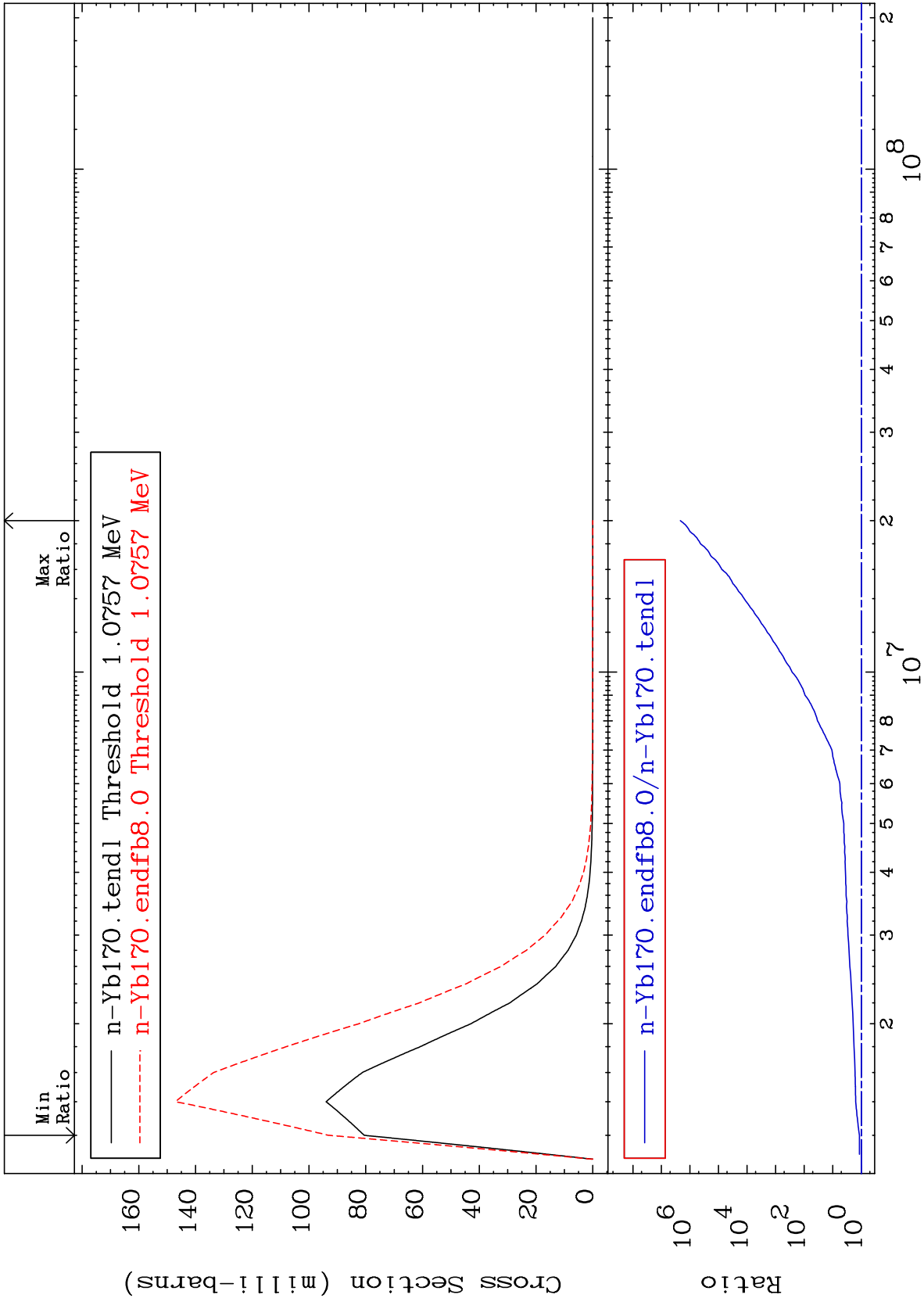




MAT 7031

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

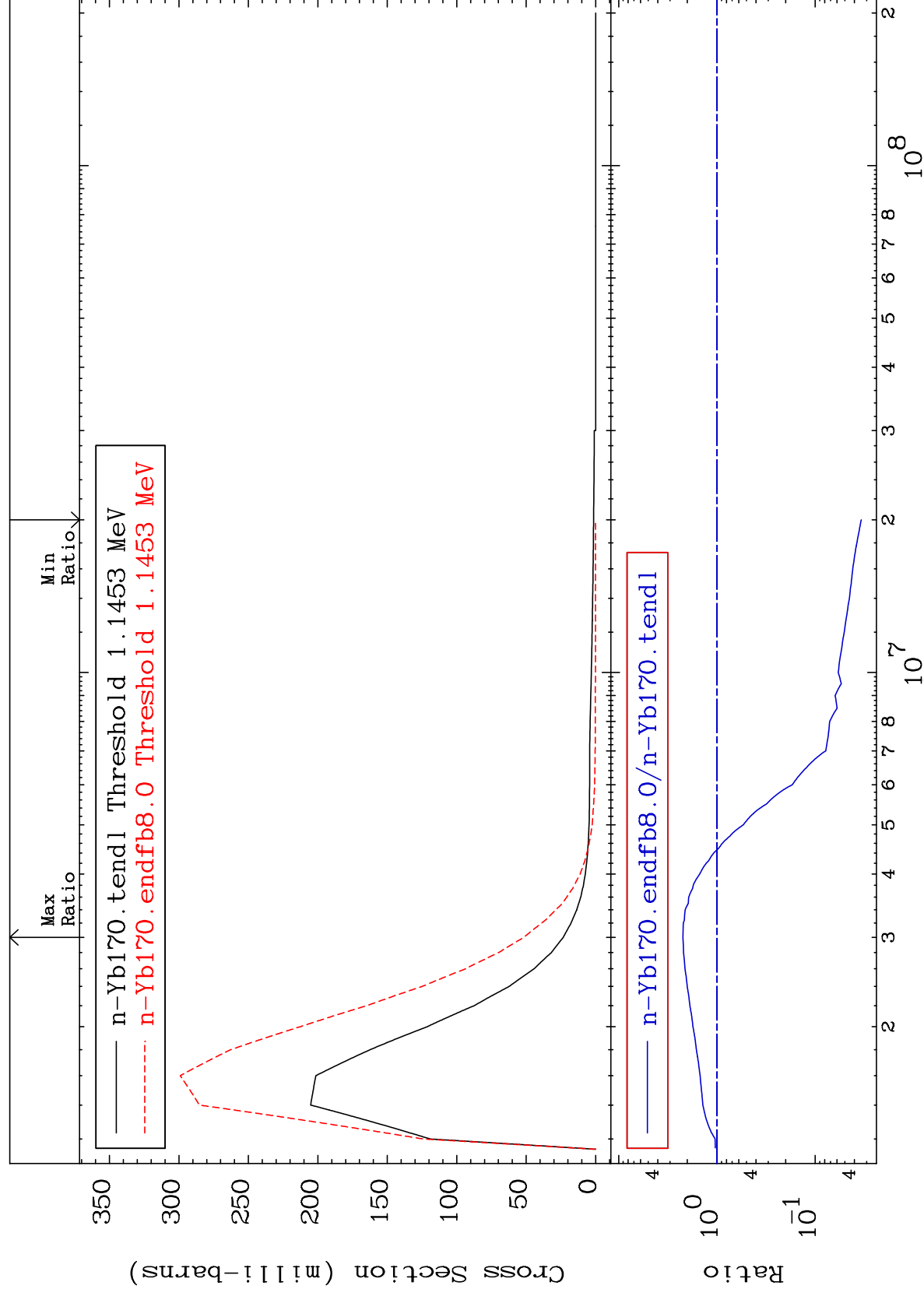
70-Yb-170  
15.58 To 9999. %



MAT 7031

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

70-Yb-170  
-96.60 To 121.8 %



14

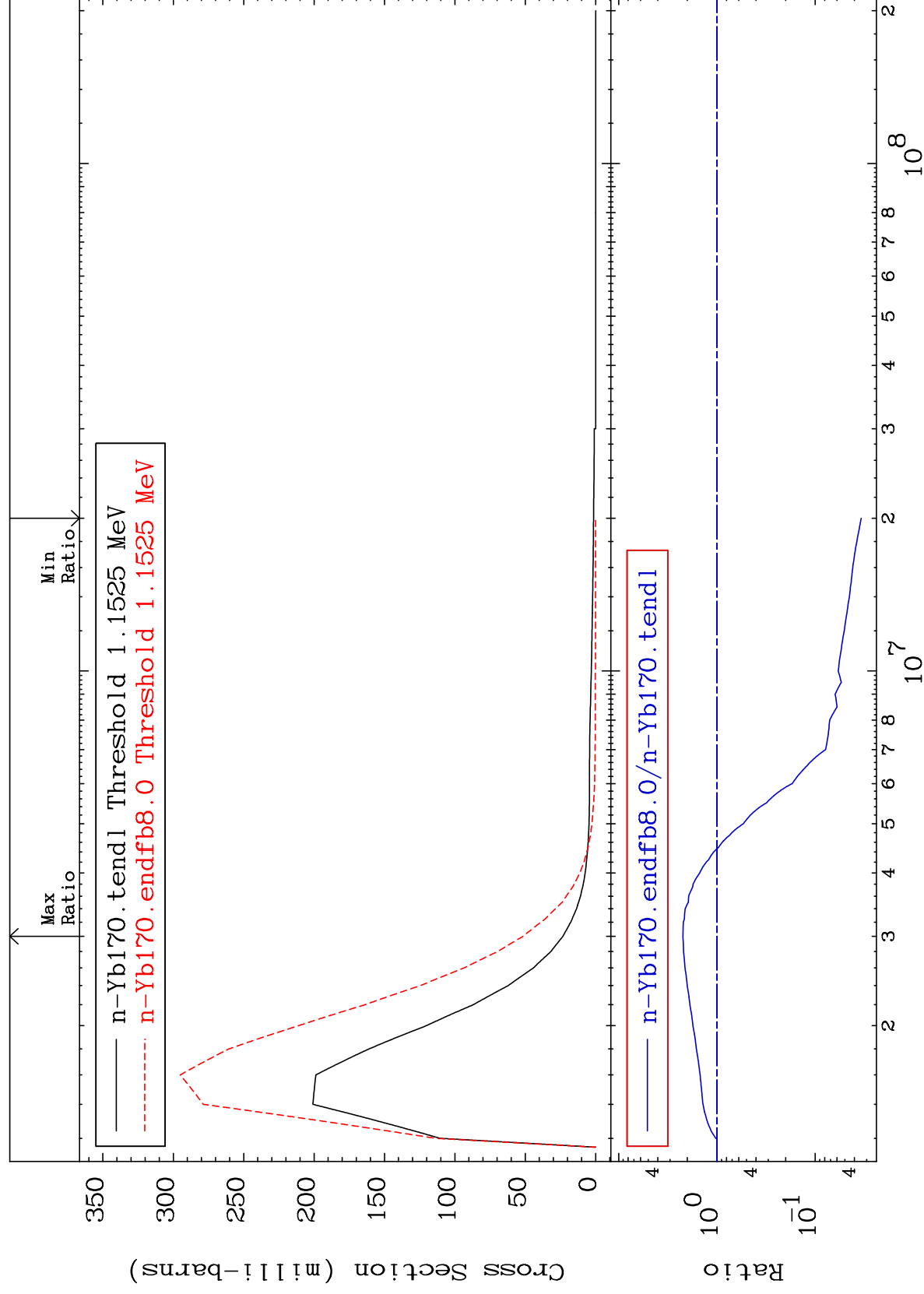
Incident Energy (eV)

70-Yb-170

MAT 7031

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

70-Yb-170  
-96.60 To 121.7 %



15

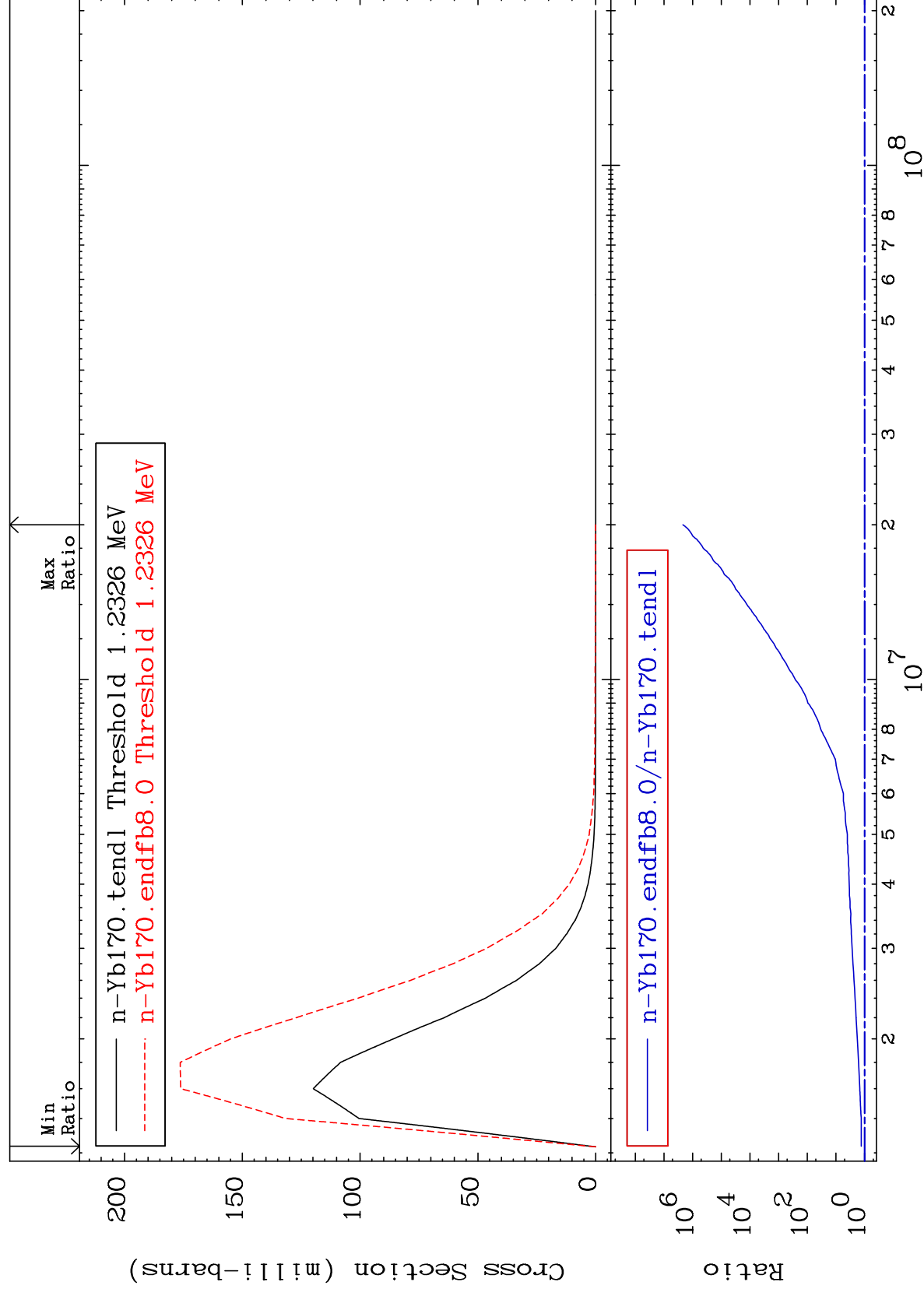
Incident Energy (eV)

70-Yb-170

MAT 7031

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

70-Yb-170  
30.54 To 9999. %



200 — n-Yb170.tendl Threshold 1.2326 MeV

----- n-Yb170.endfb8.0 Threshold 1.2326 MeV

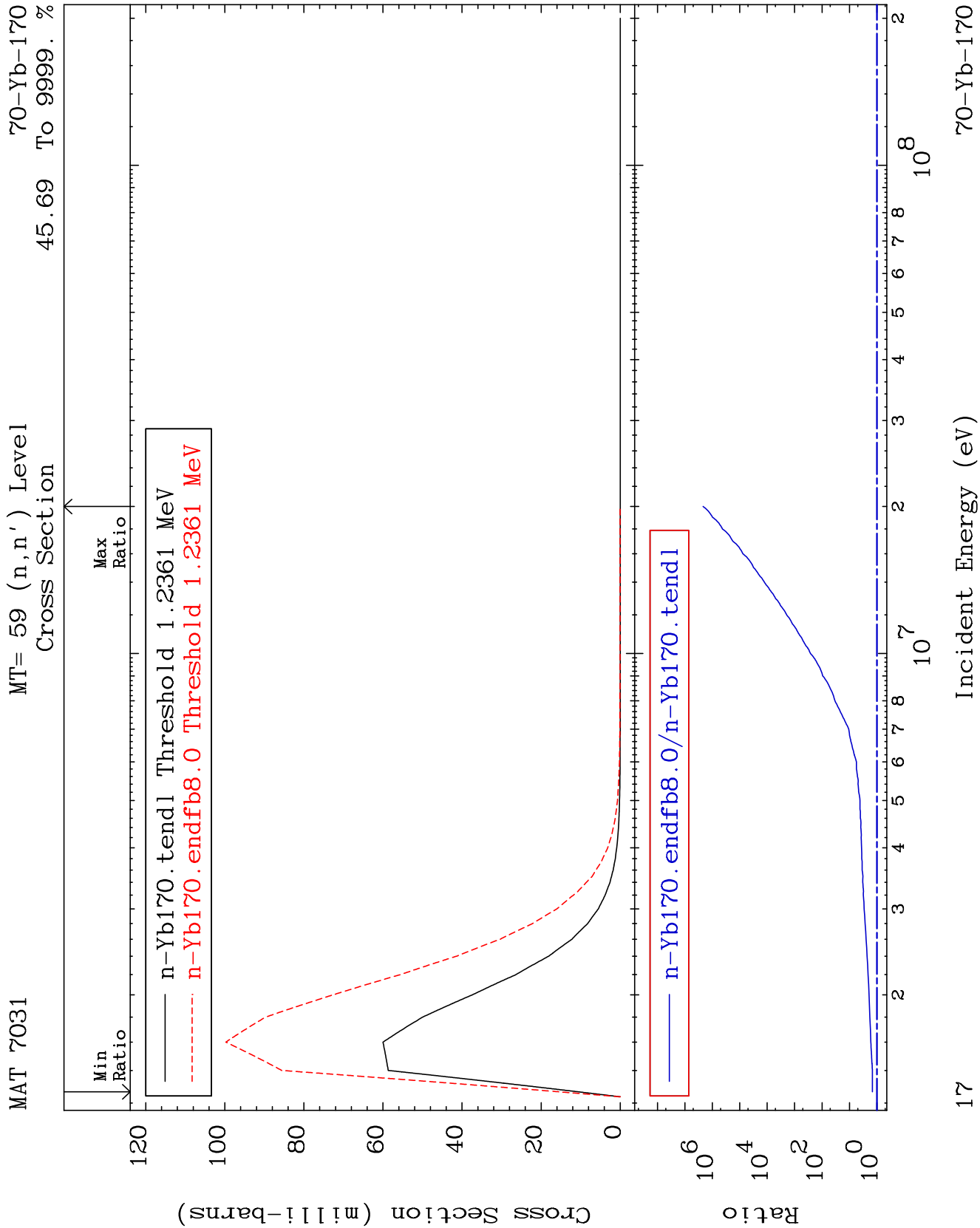
— n-Yb170.endfb8.0/n-Yb170.tendl

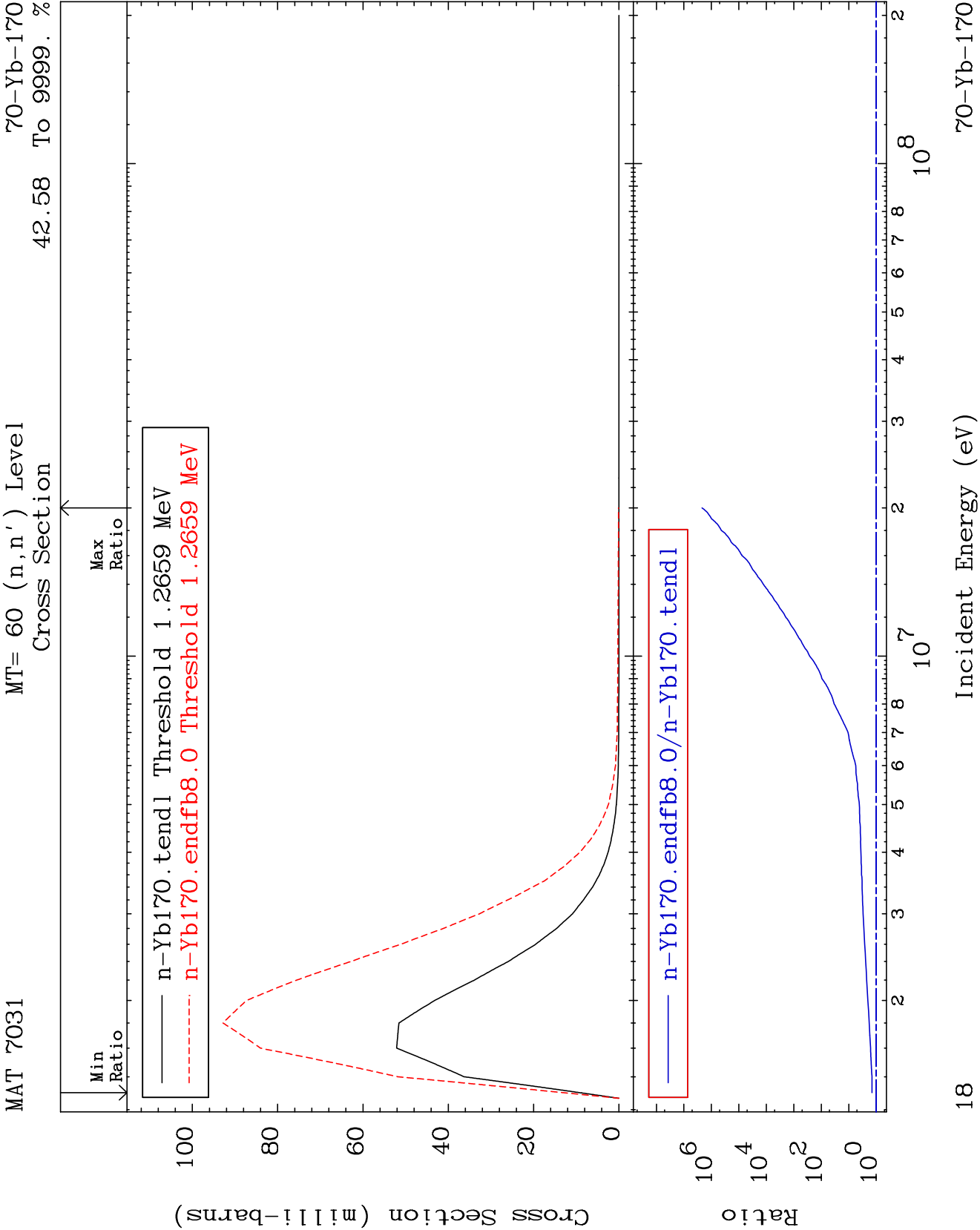
16

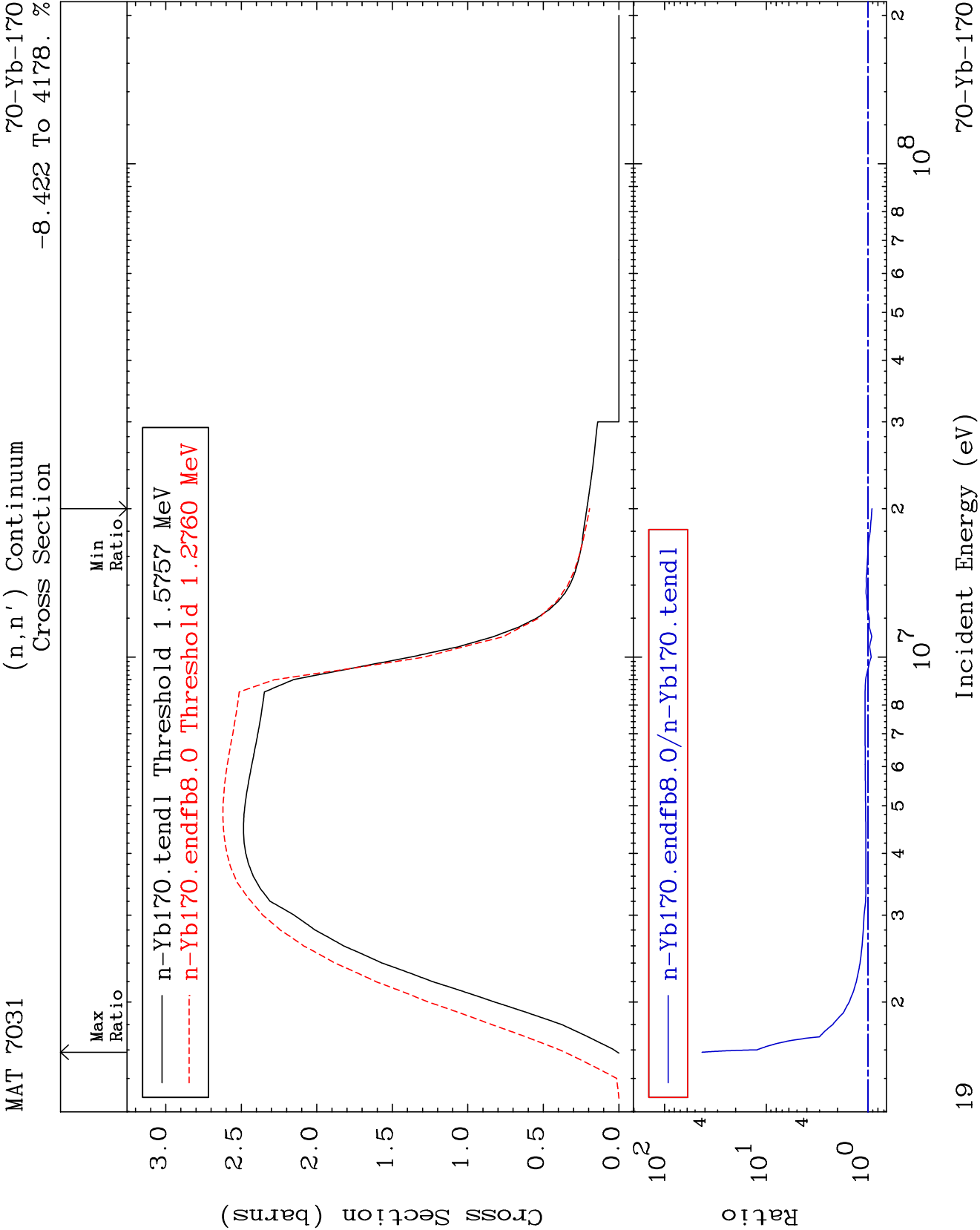
Incident Energy (eV)

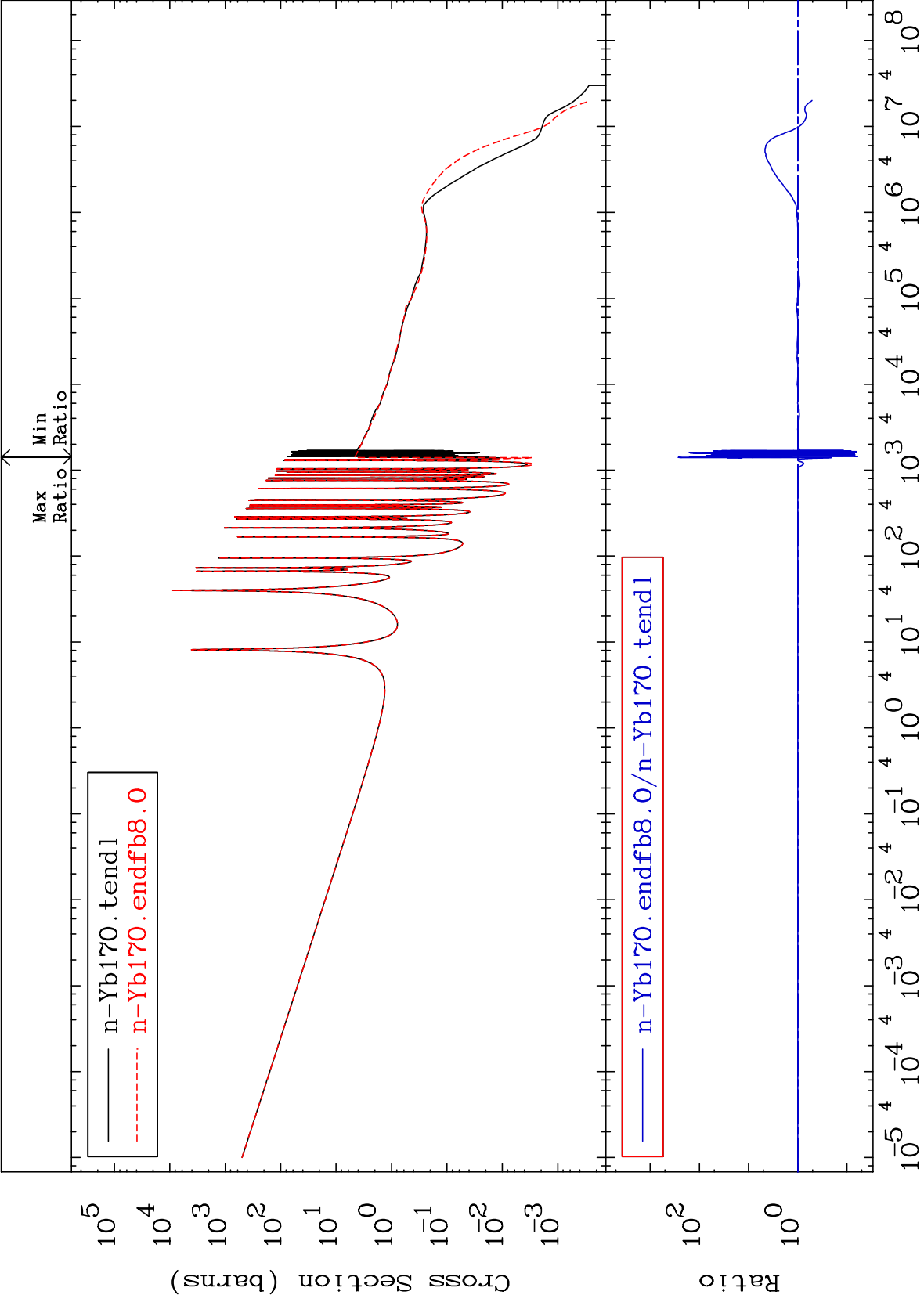
70-Yb-170





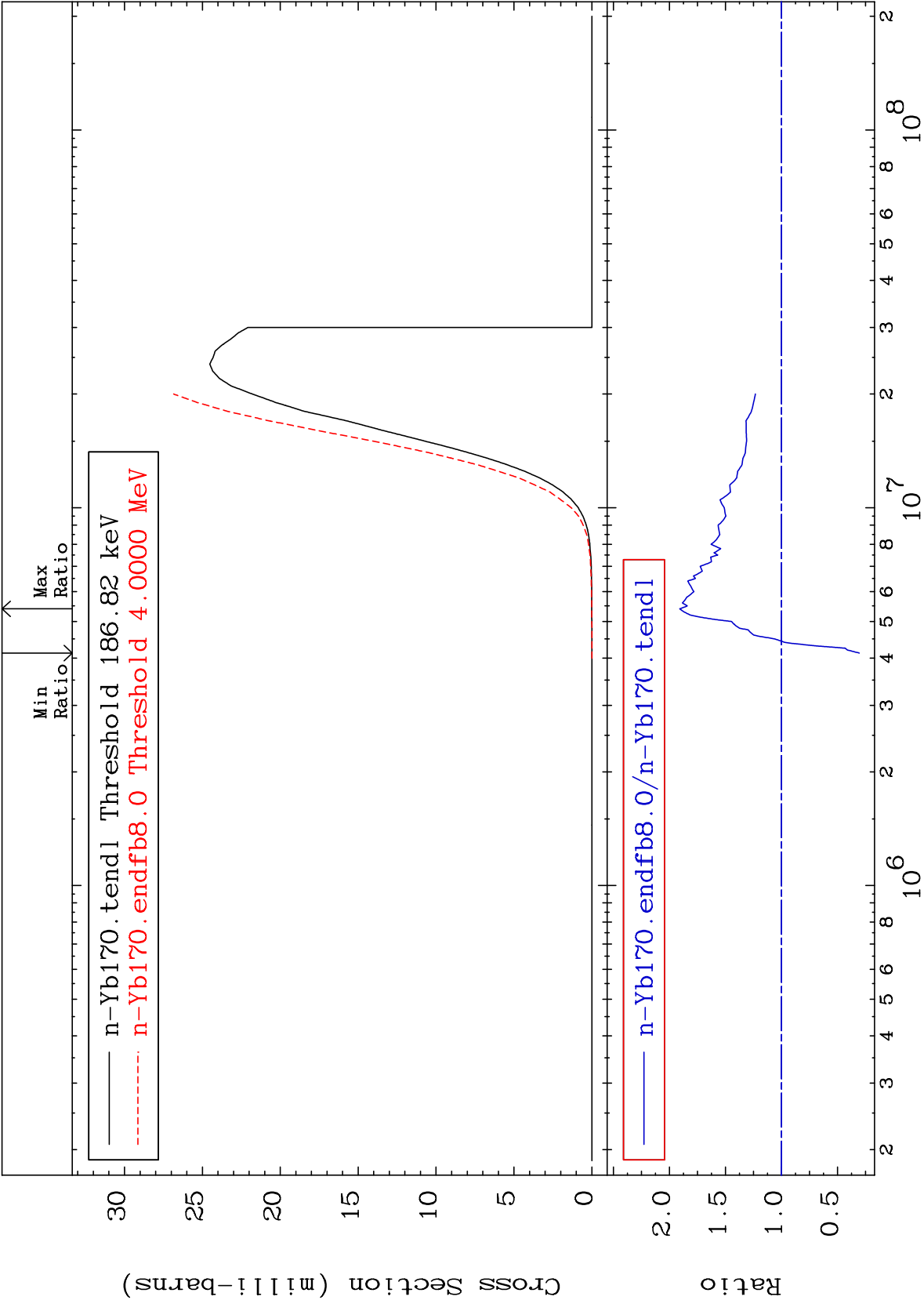


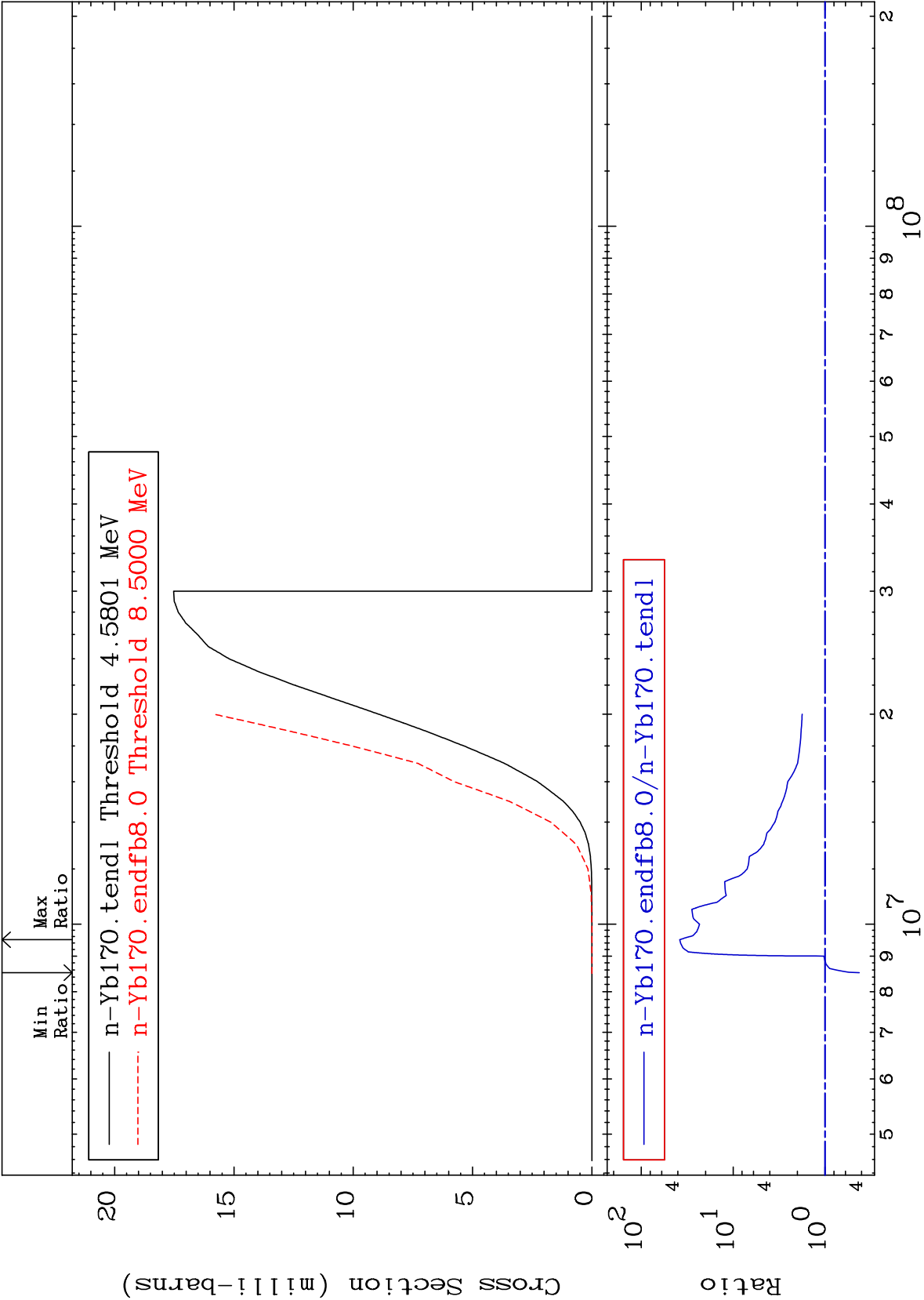


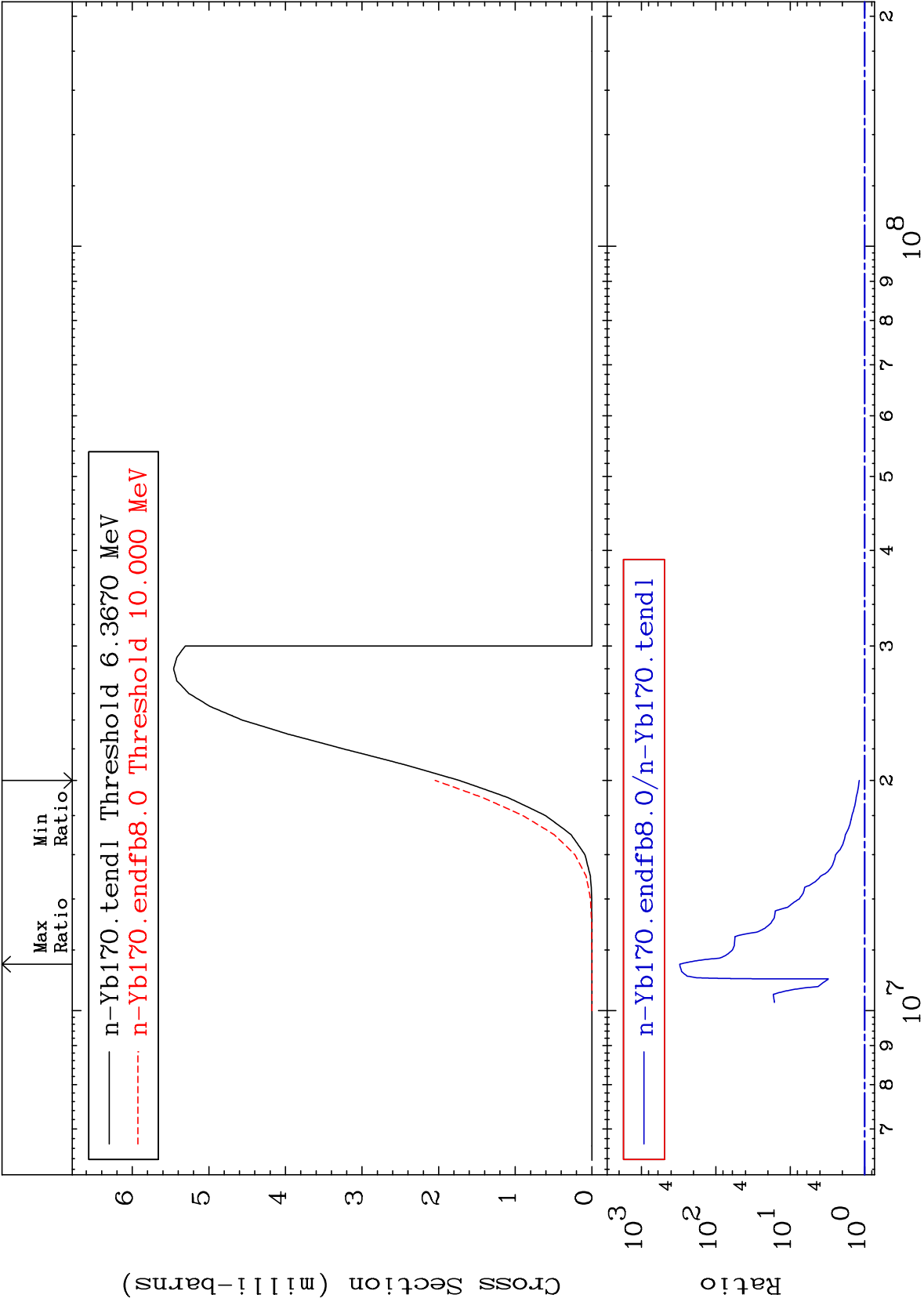


MAT 7031

(n,p)  
Cross Section  
70-Yb-170  
-69.46 To 90.74 %

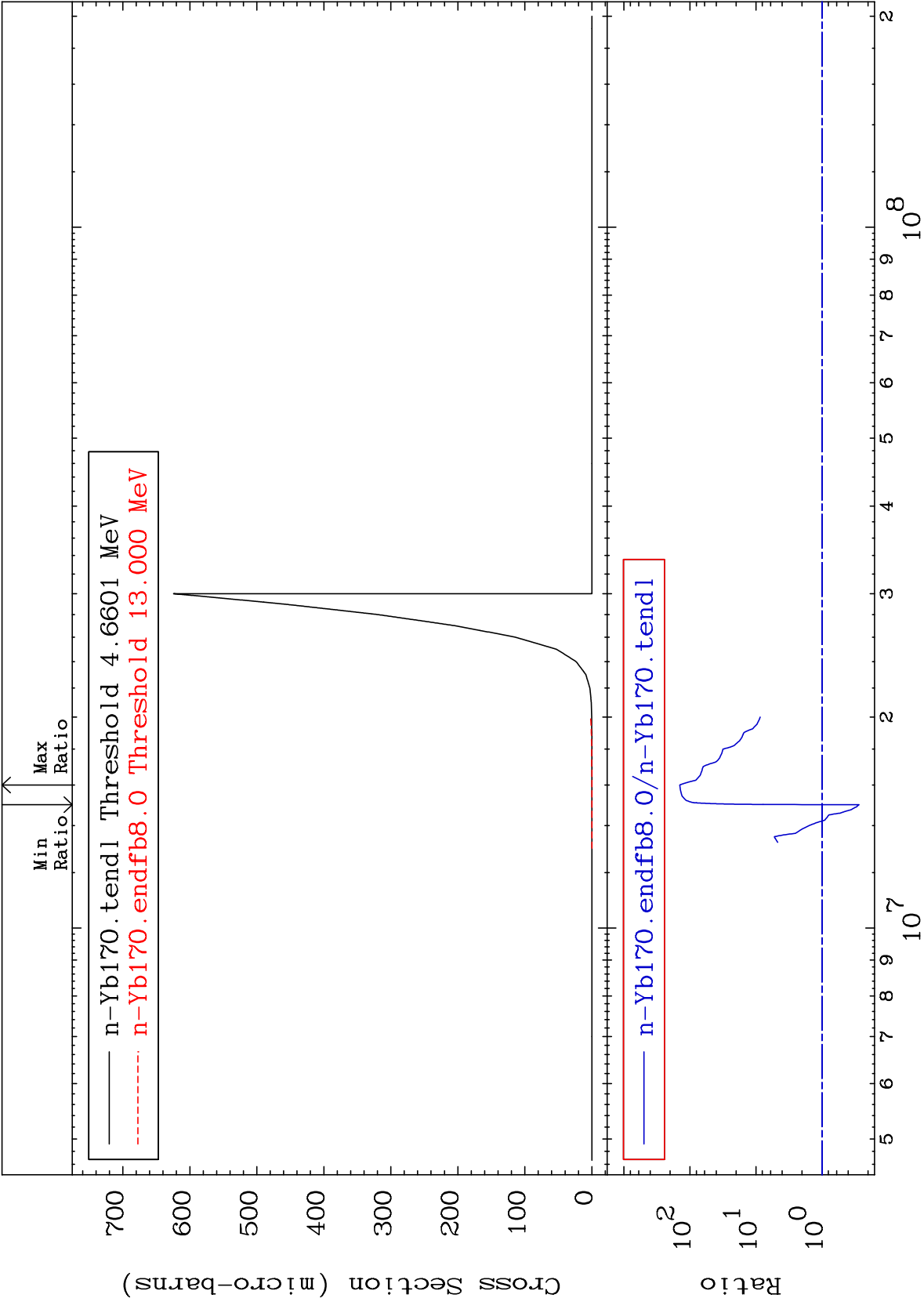




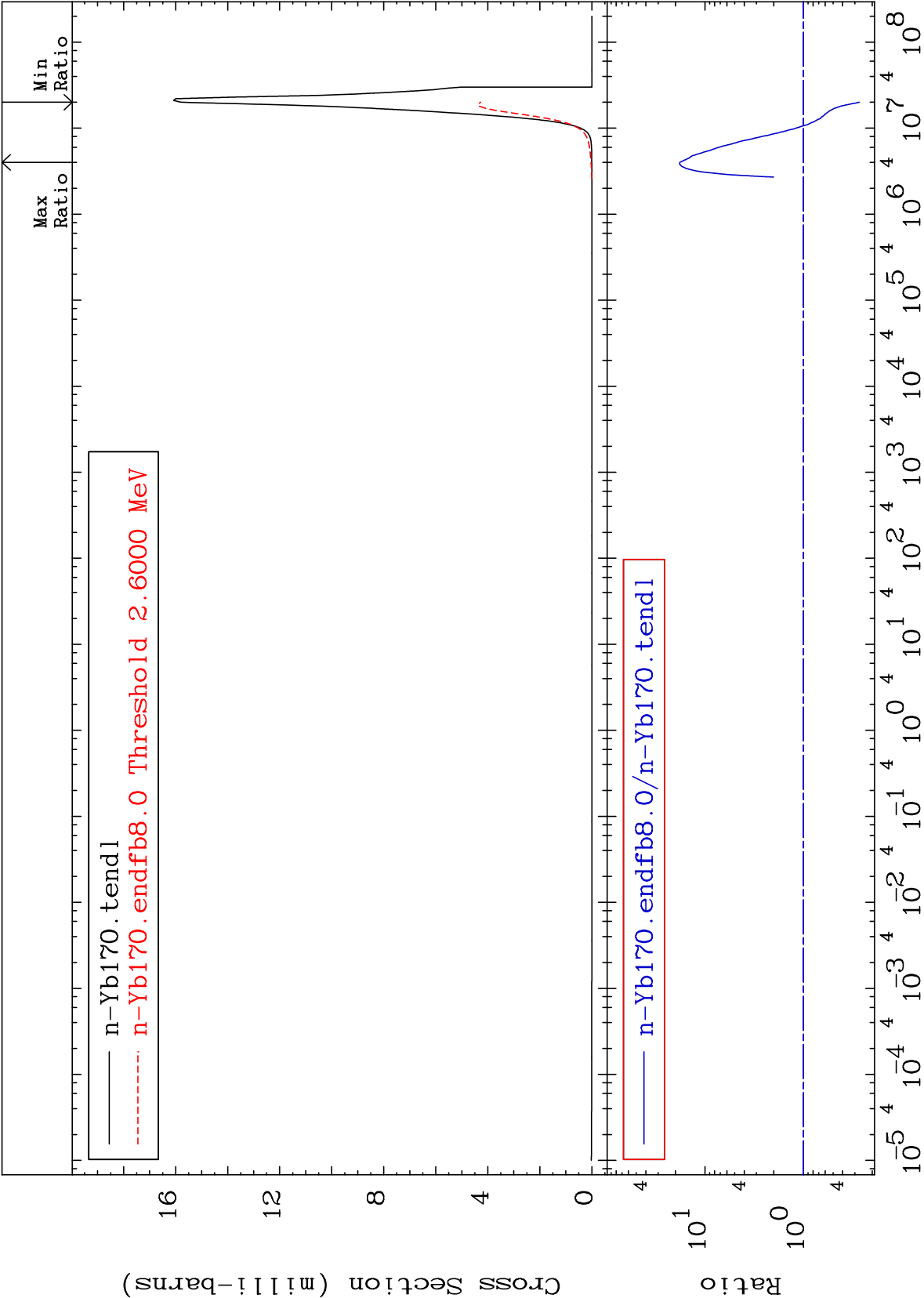


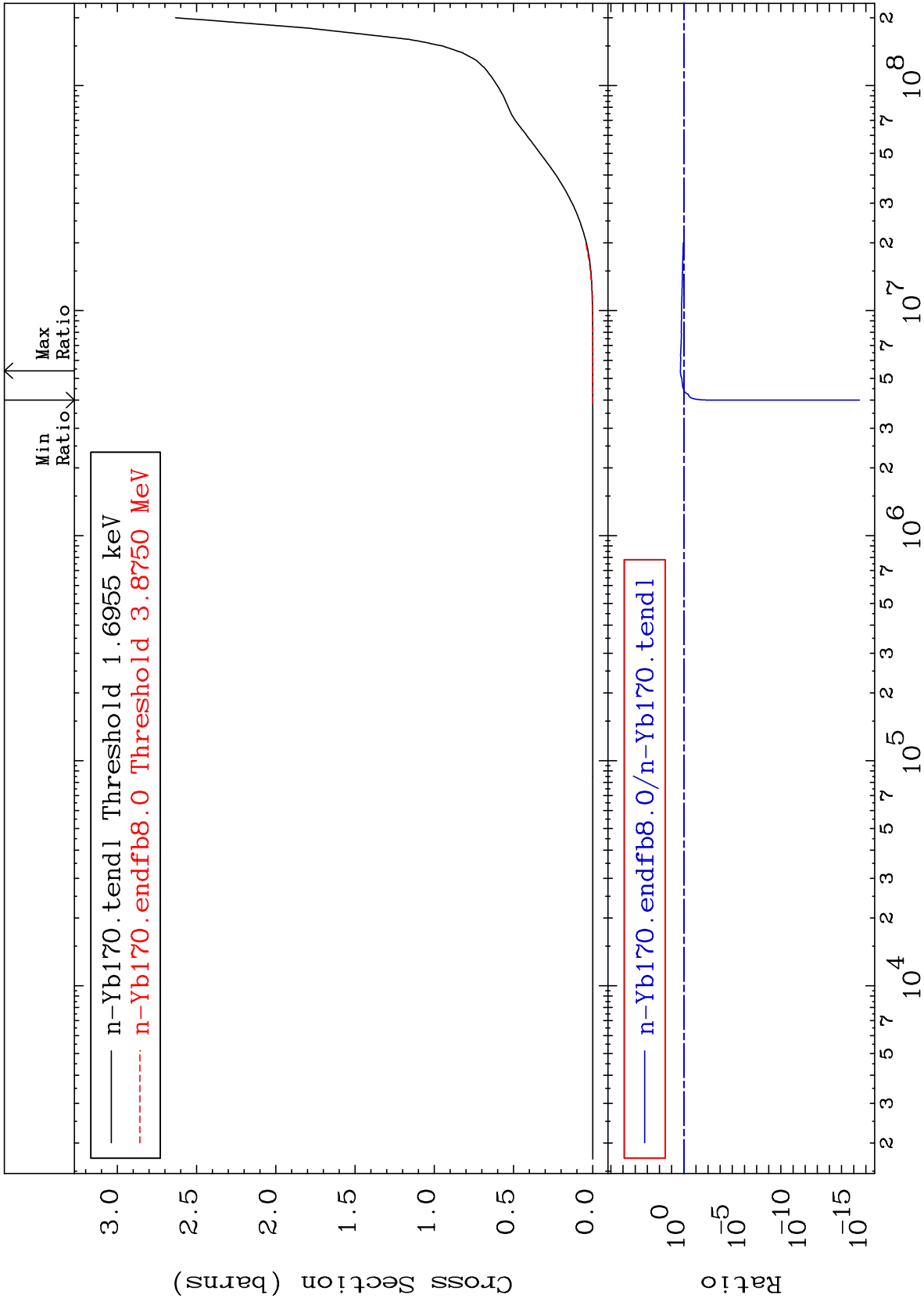
Cross Section

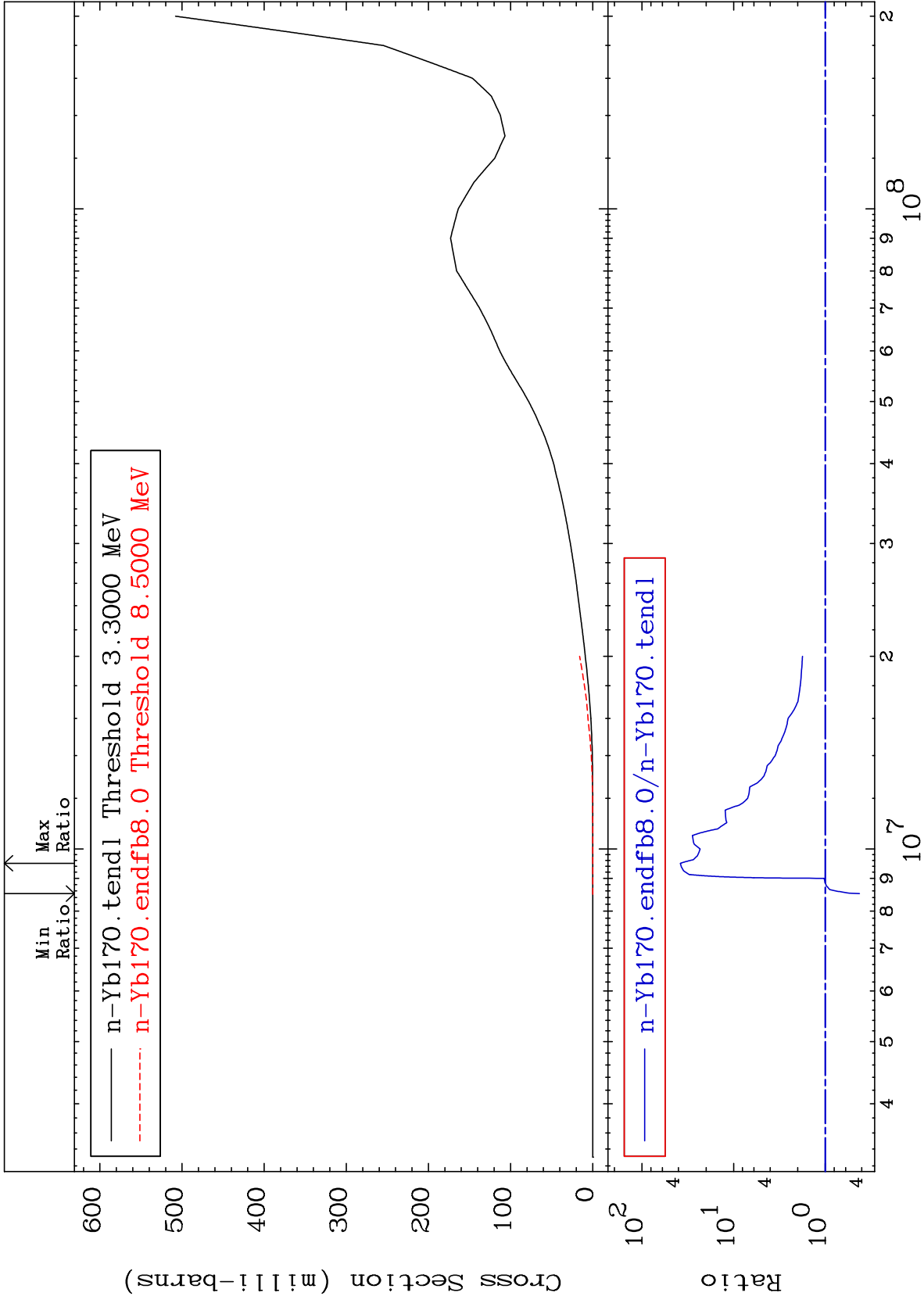
-72.80 To 9999. %







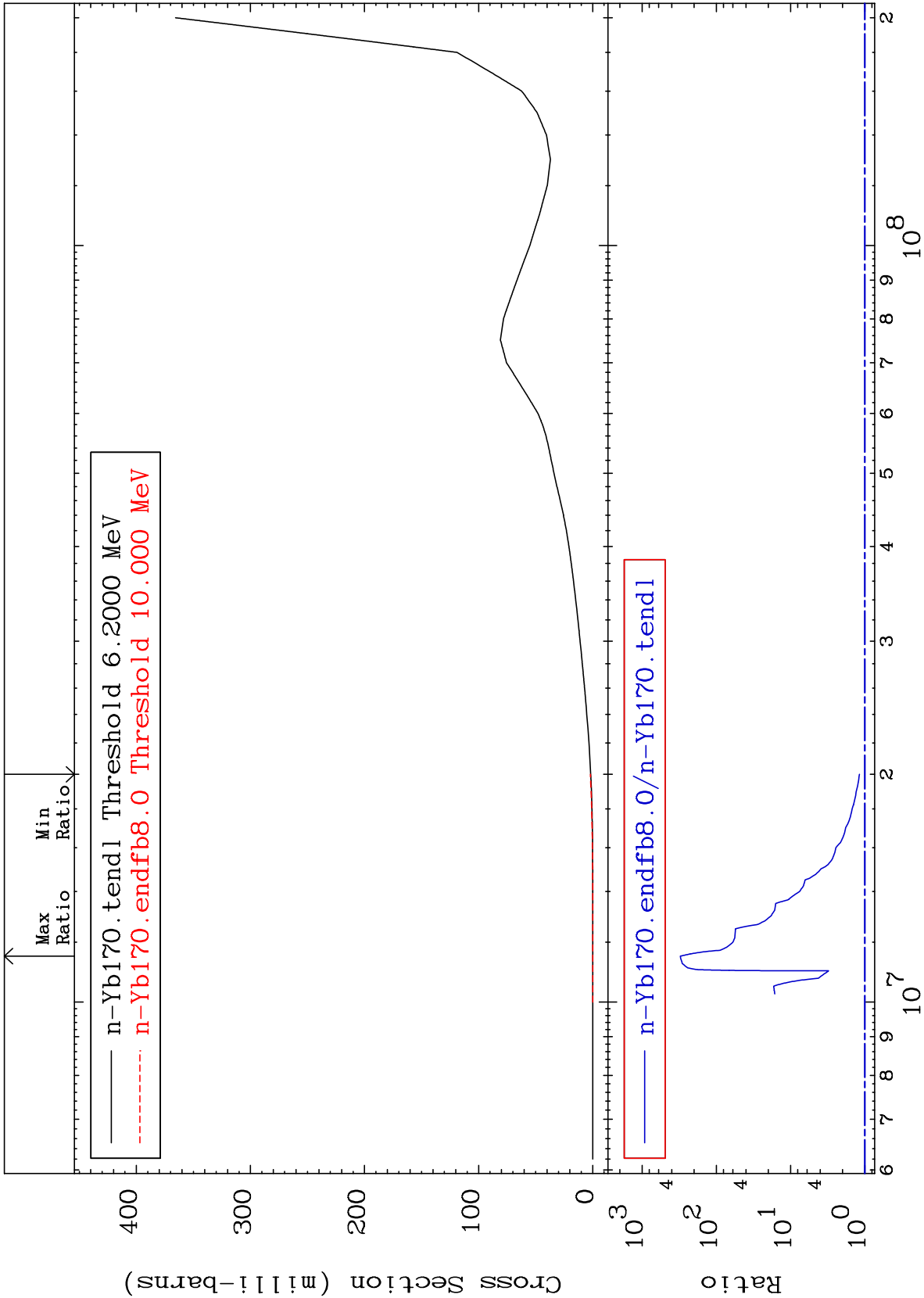


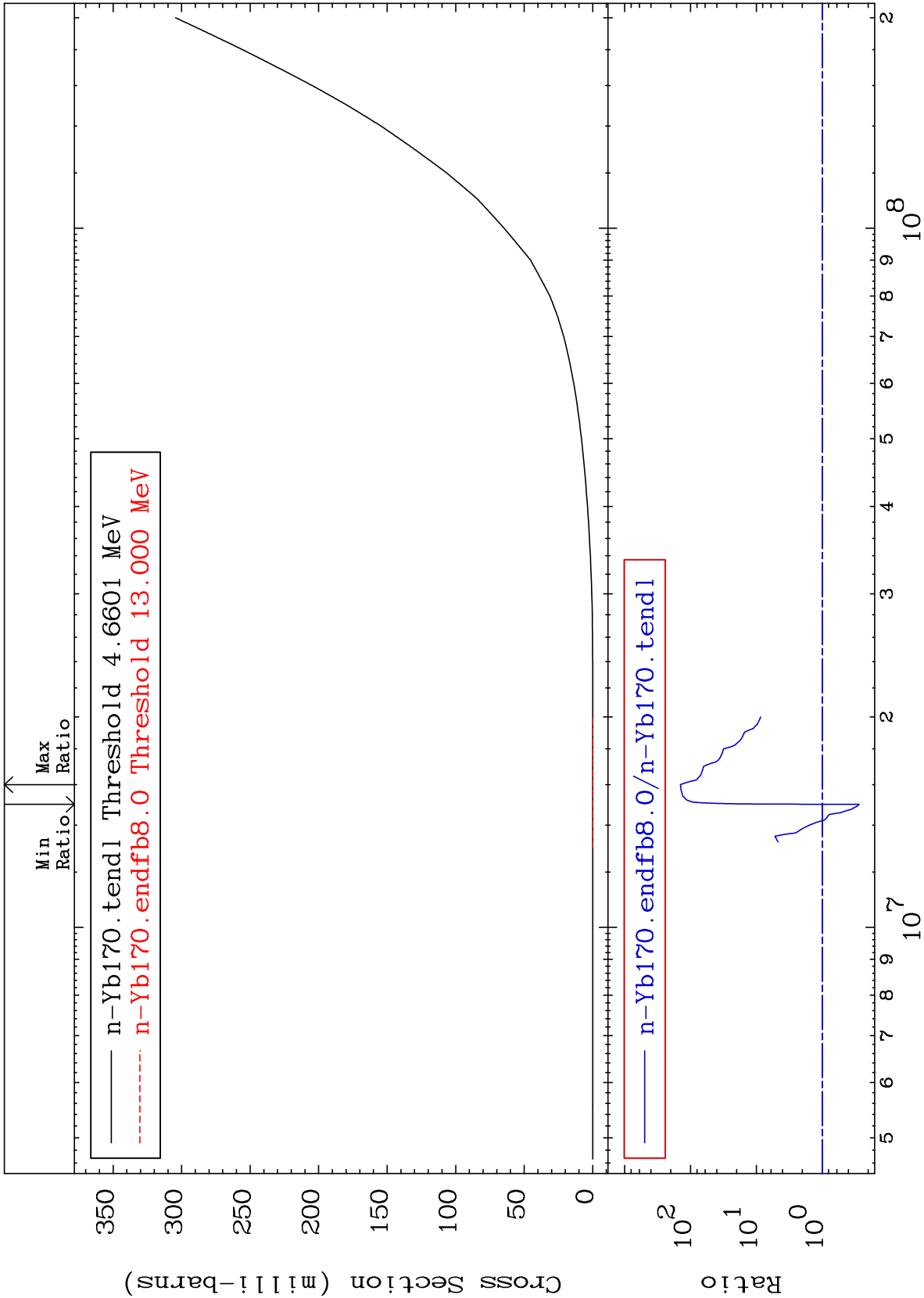


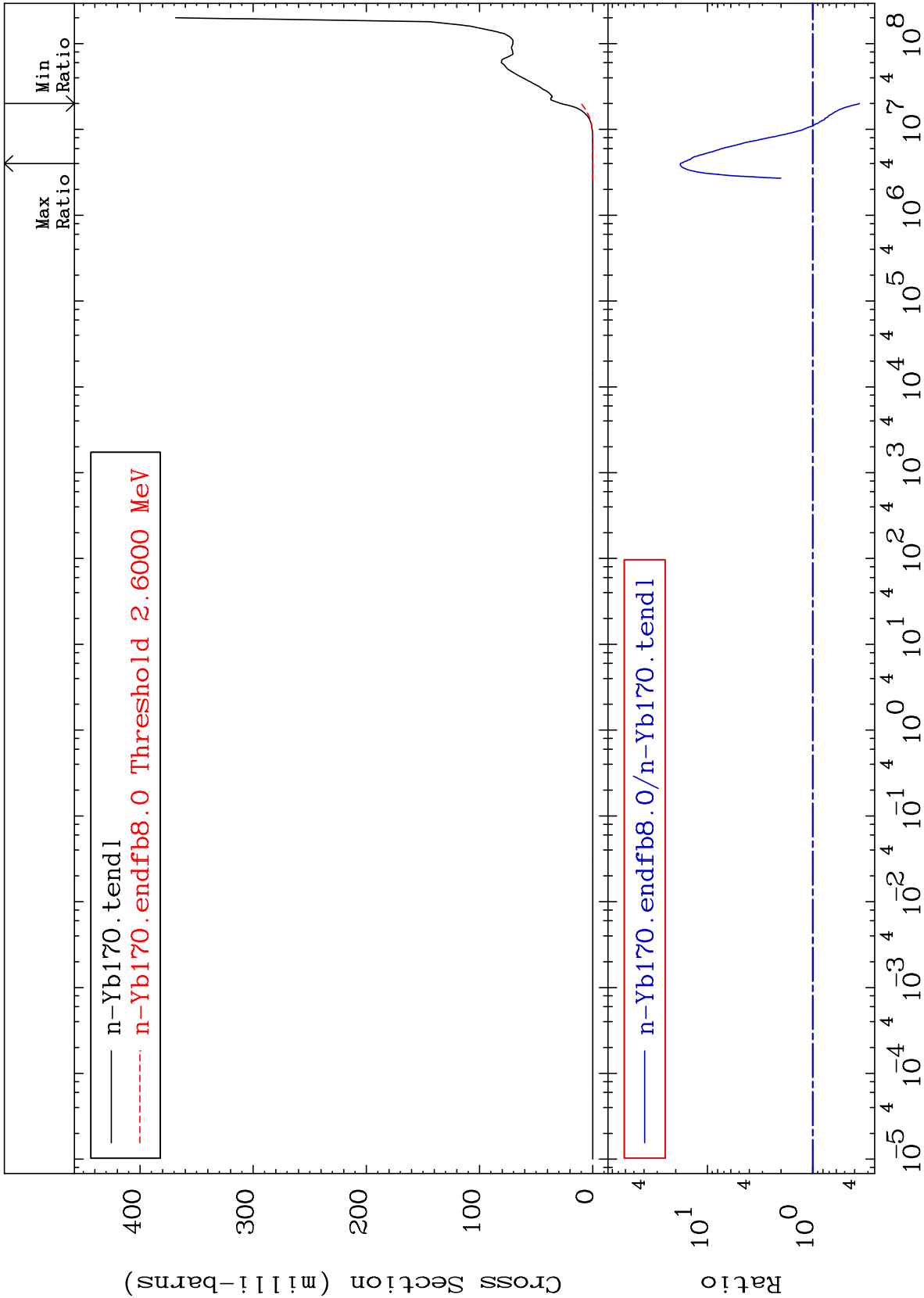
MAT 7031

Tritium Production  
Cross Section

70-Yb-170  
18.16 To 9999. %

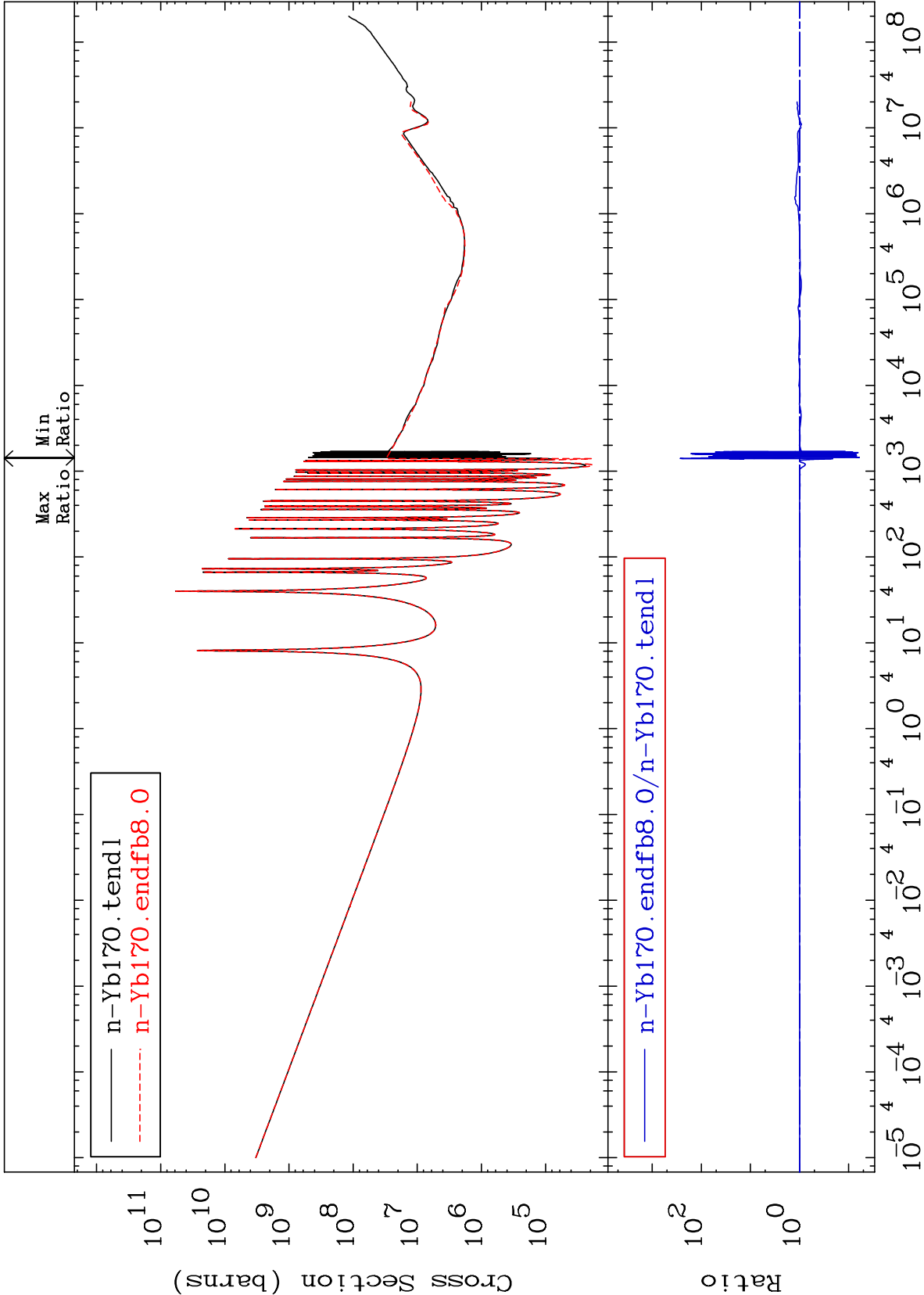


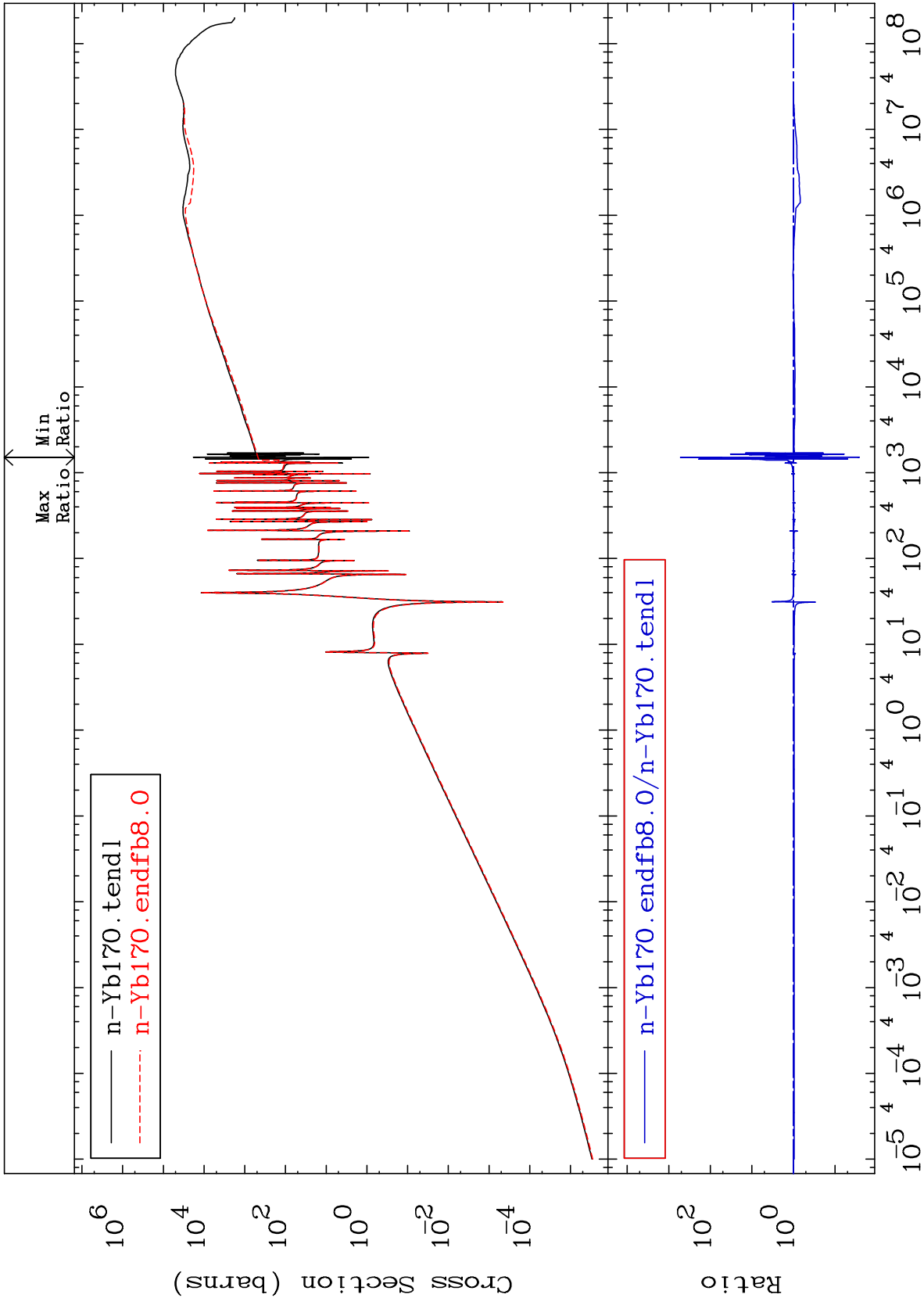




Cross Section

-93.97 To 9999. %

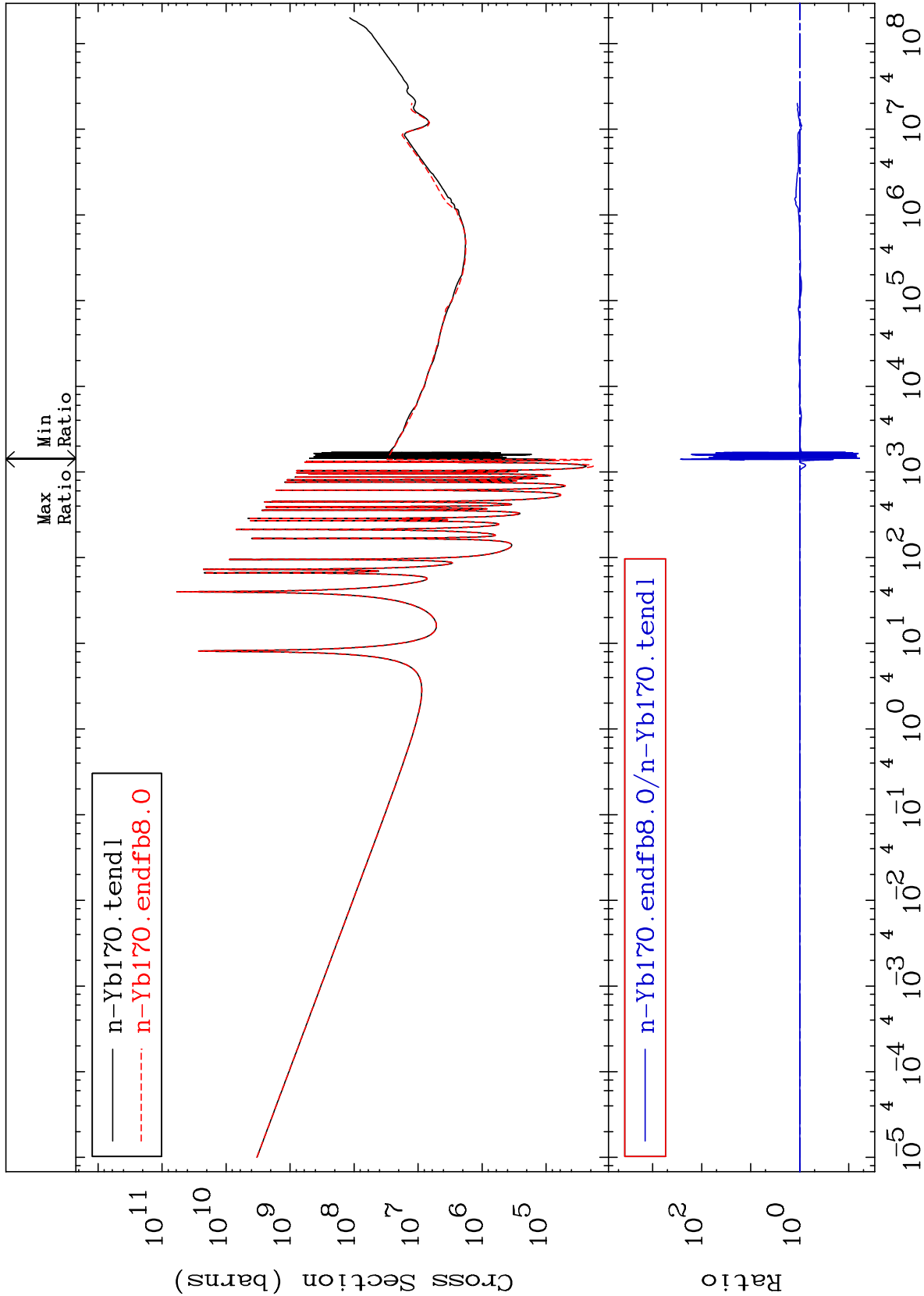






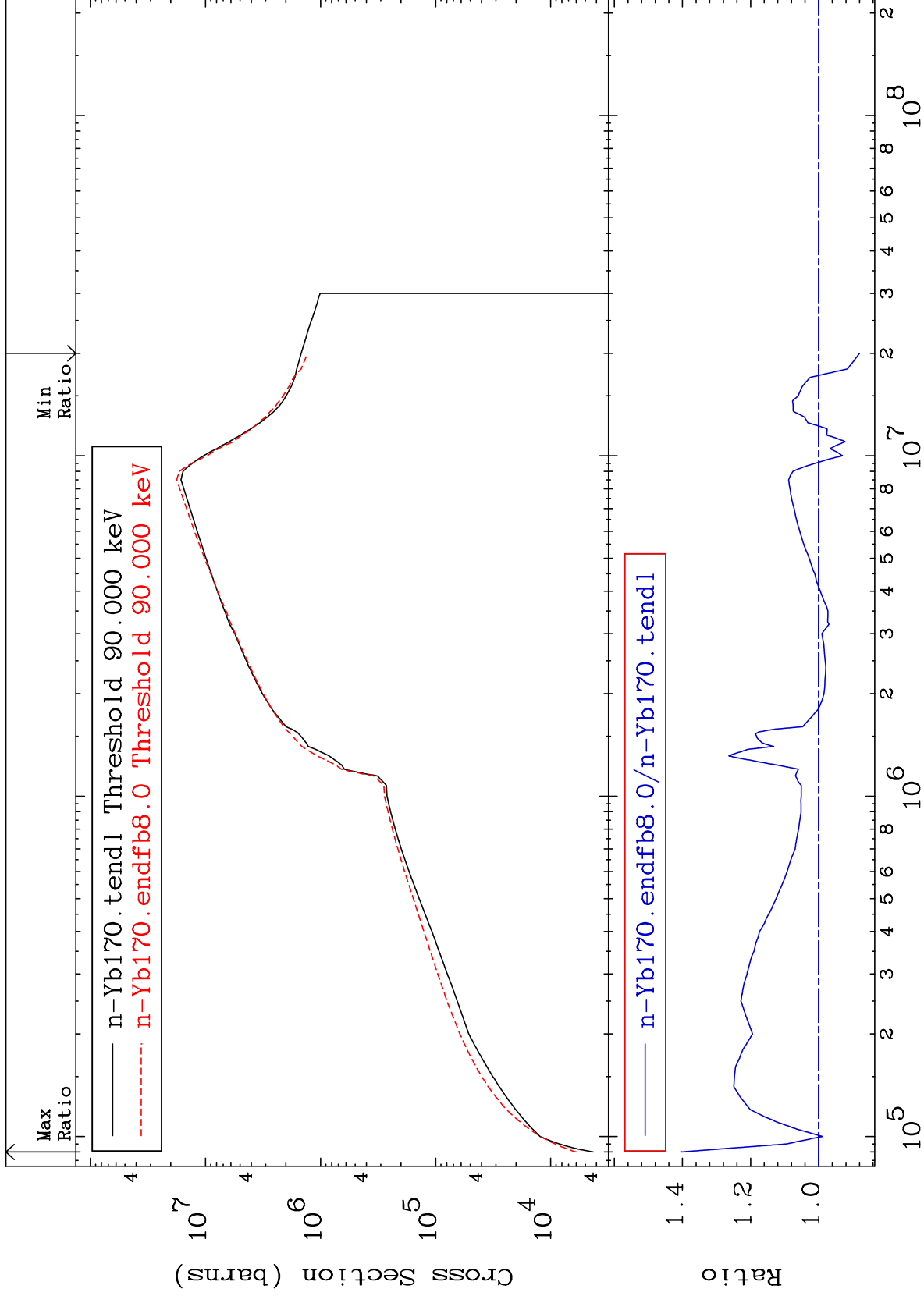
Cross Section

-93.97 To 9999. %



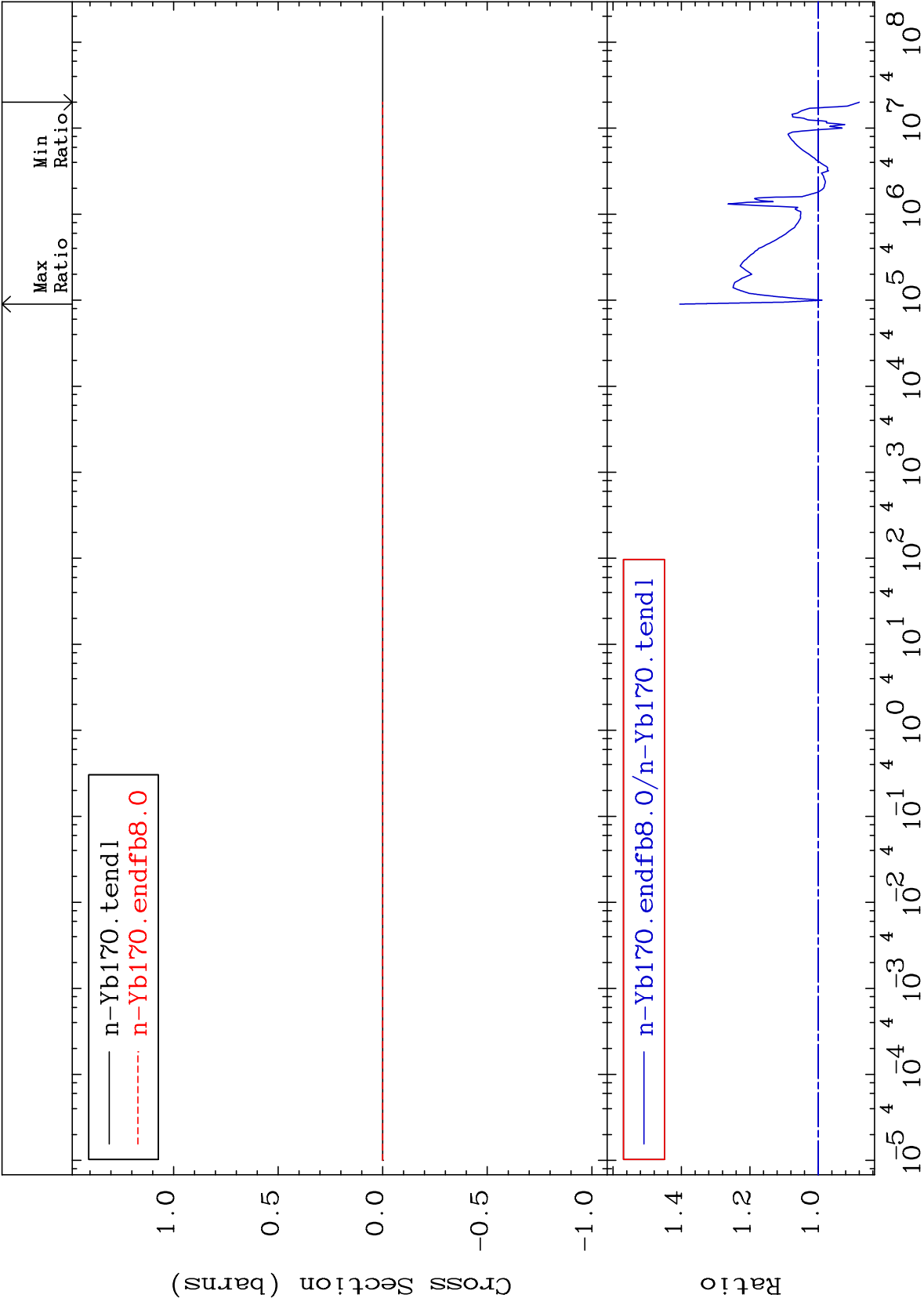
Cross Section

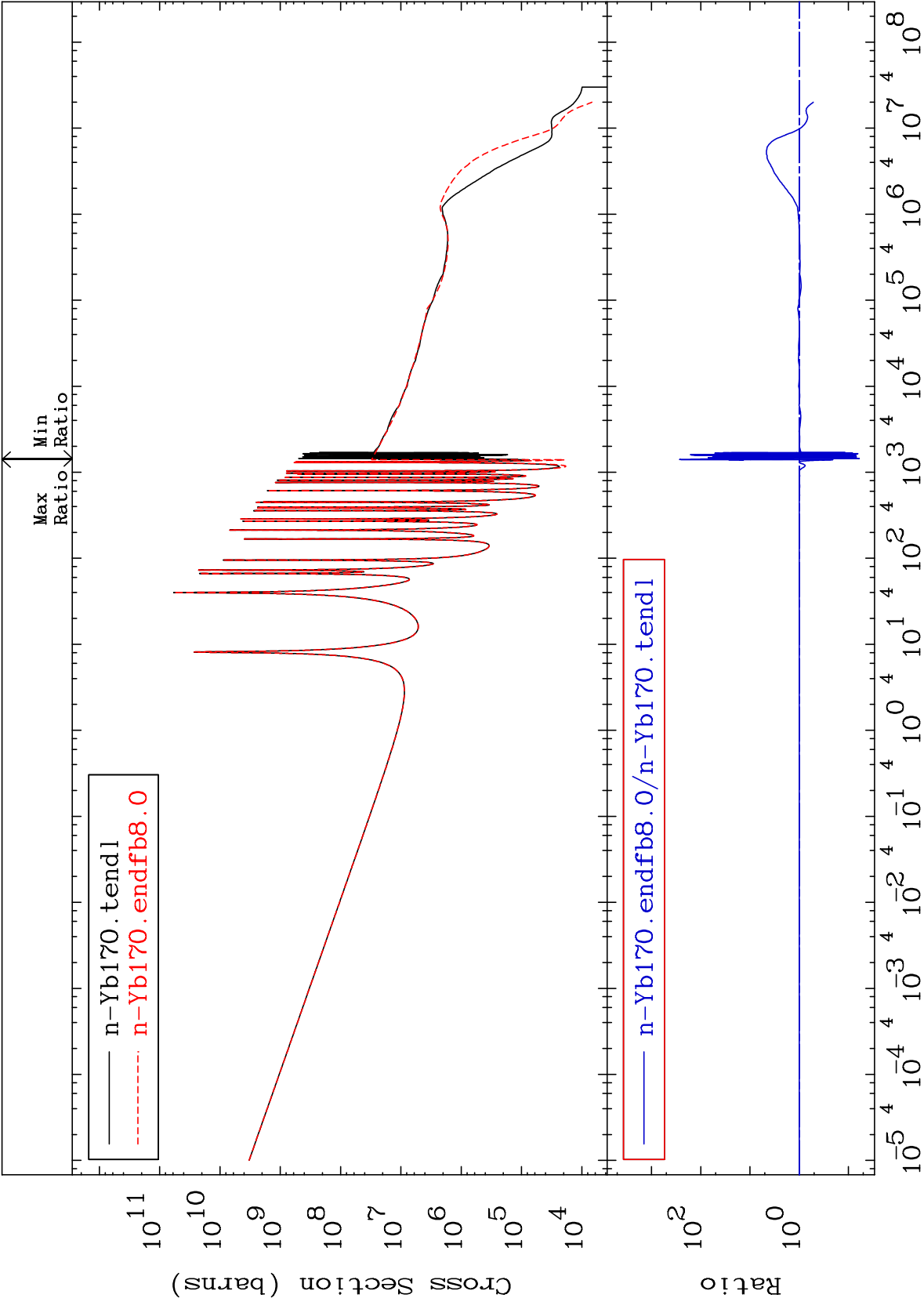
-12.00 To 40.50 %



— n-Yb170.tendl Threshold 90.000 keV  
- - - n-Yb170.endfb8.0 Threshold 90.000 keV

— n-Yb170.endfb8.0/n-Yb170.tendl





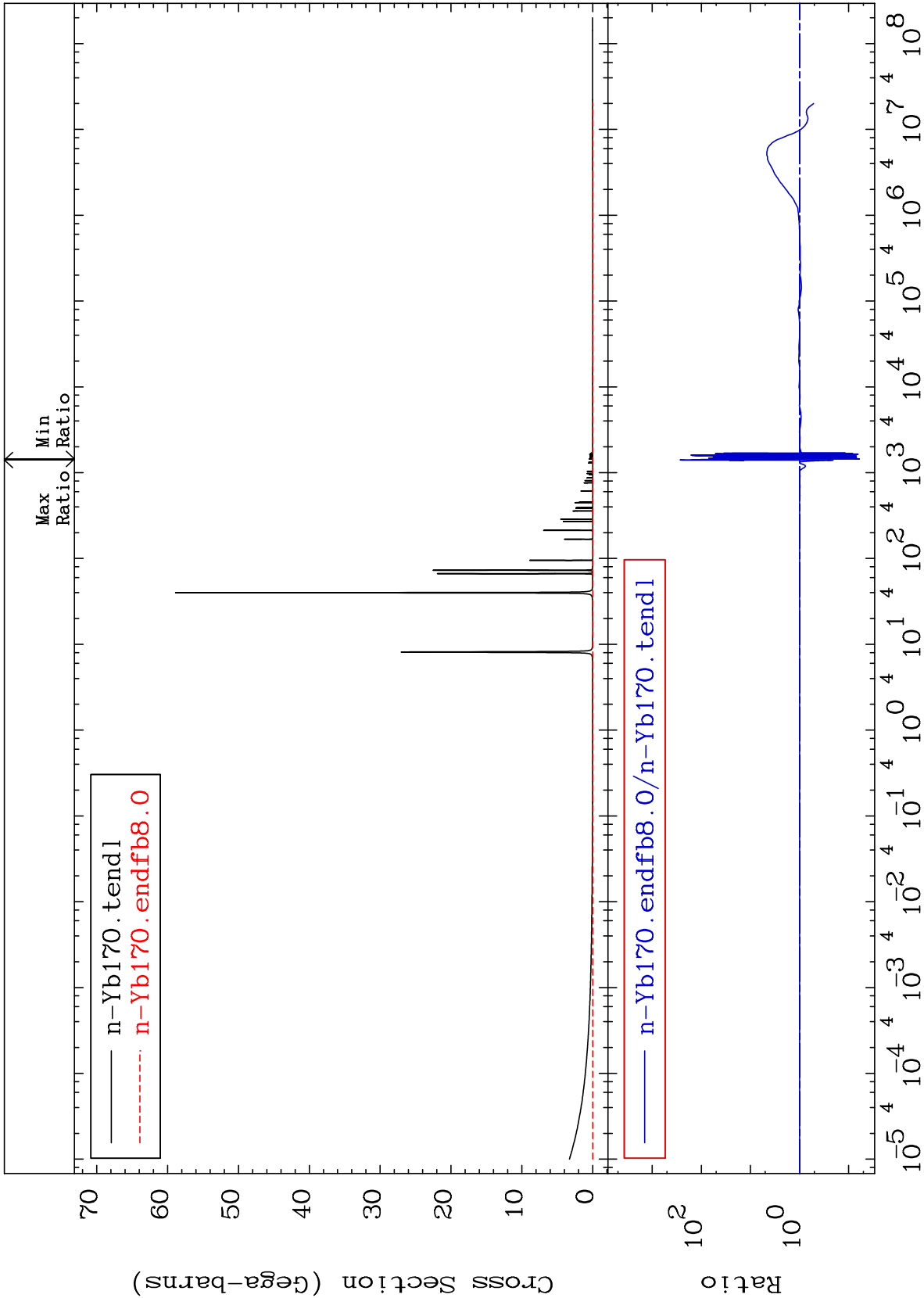
MAT 7031

Total photon (eV-barns)

<sup>70</sup>Yb-<sup>170</sup>

Cross Section

-93.97 To 9999. %



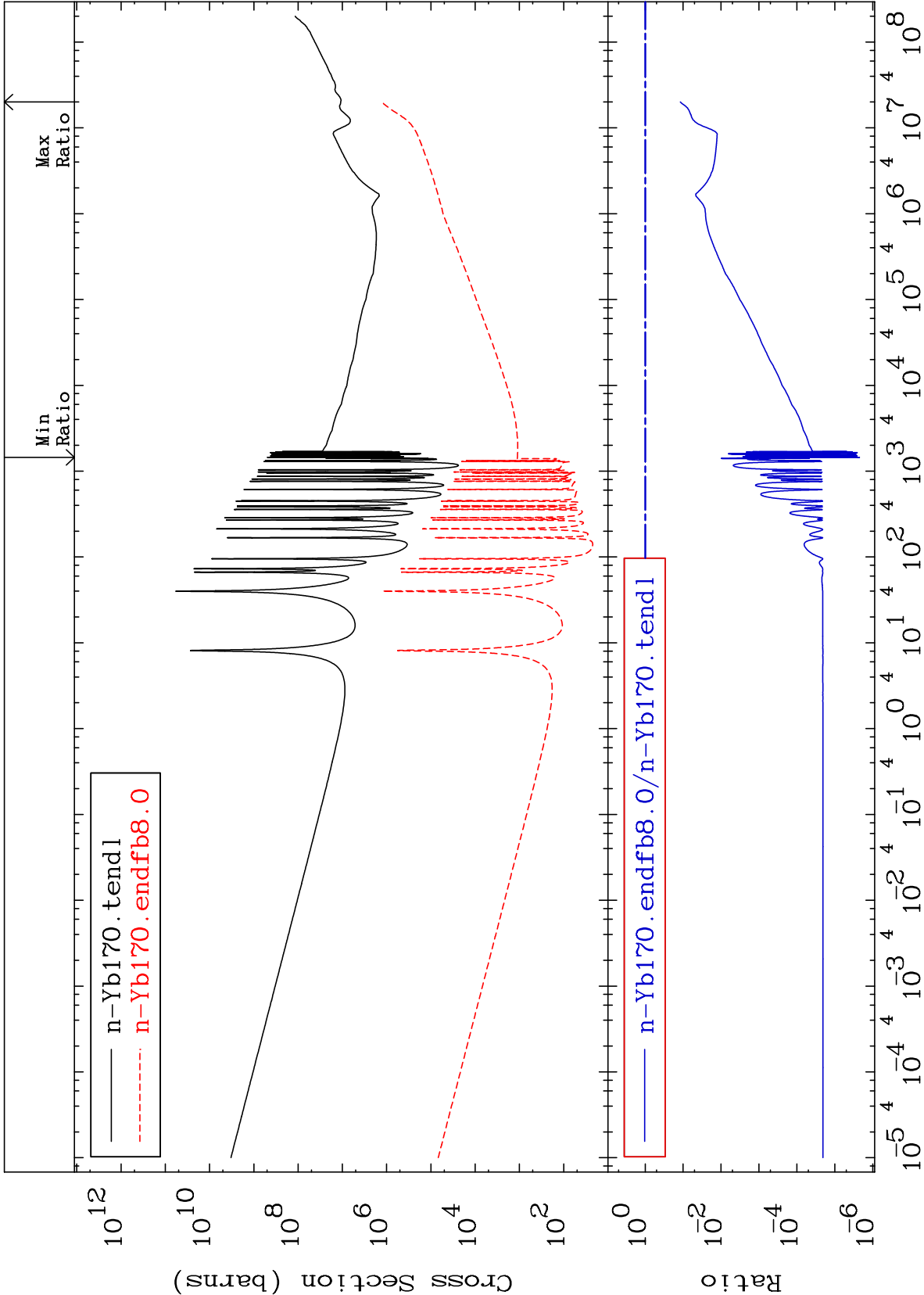
37

Incident Energy (eV)

<sup>70</sup>Yb-<sup>170</sup>

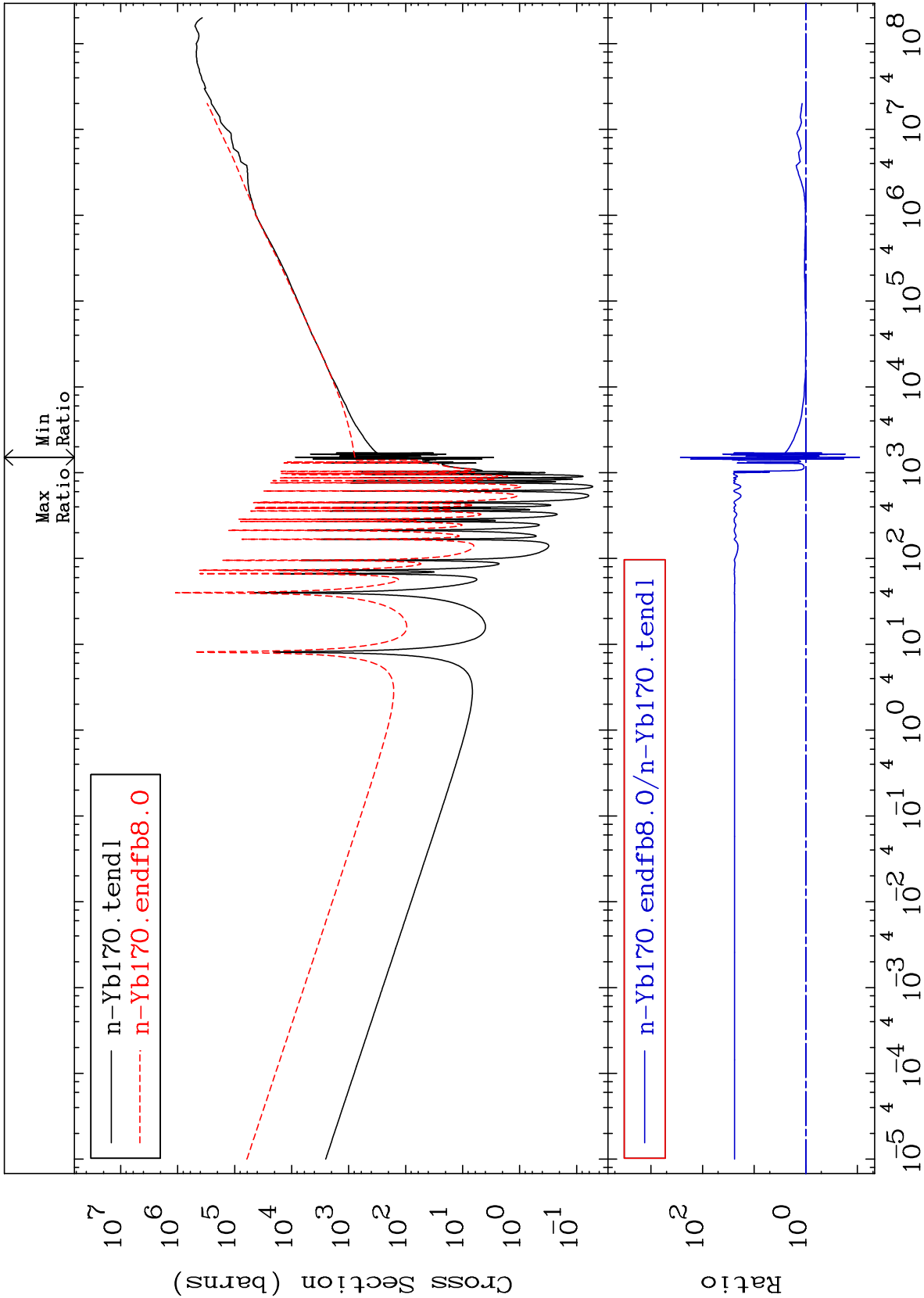
Cross Section

-100.0 To -88.17%



Cross Section

-90.86 To 9999. %



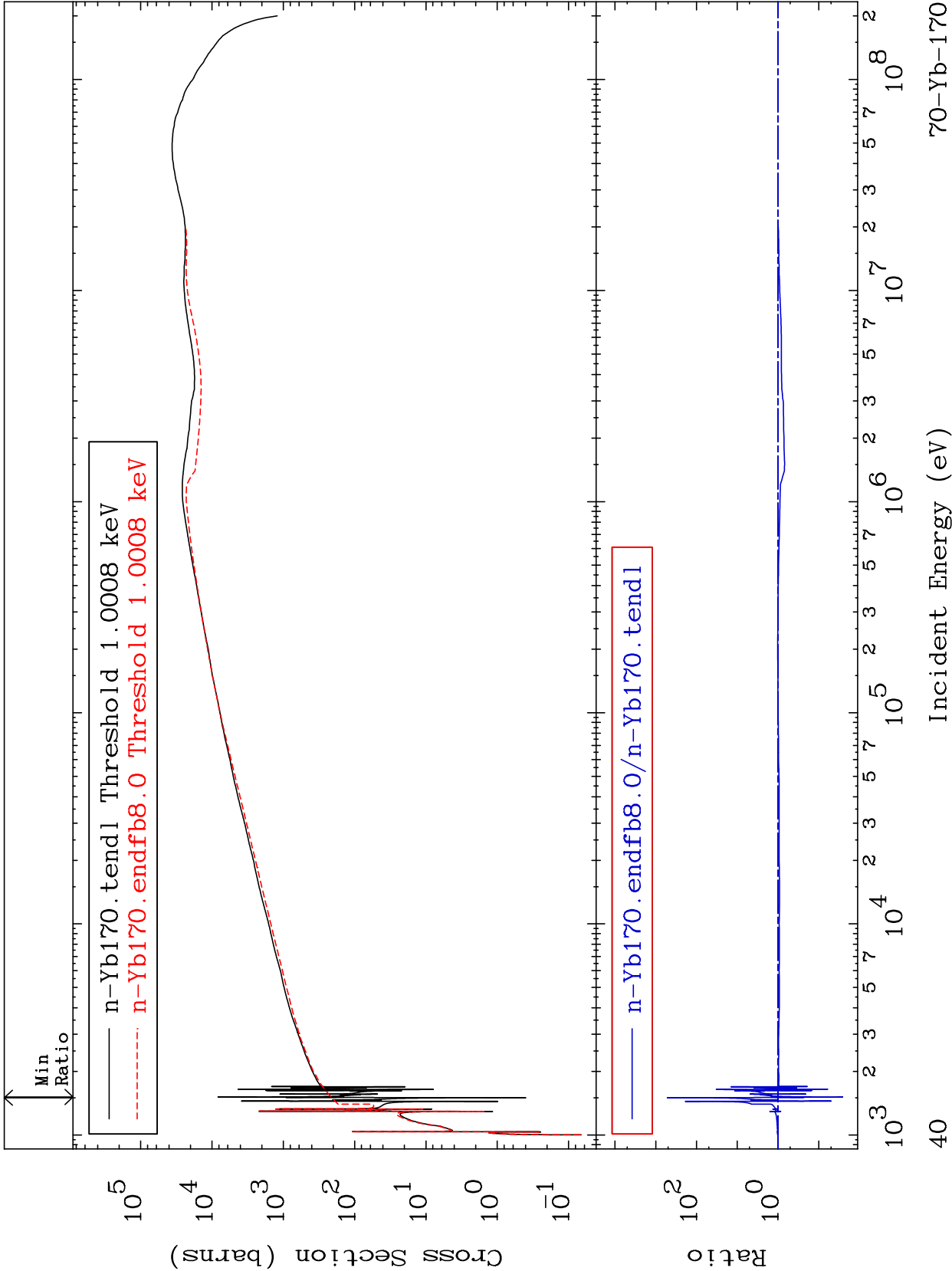
MAT 7031

Dpa elastic (mt2)

<sup>70</sup>Yb-<sup>170</sup>

Cross Section

-97.43 To 9999. %





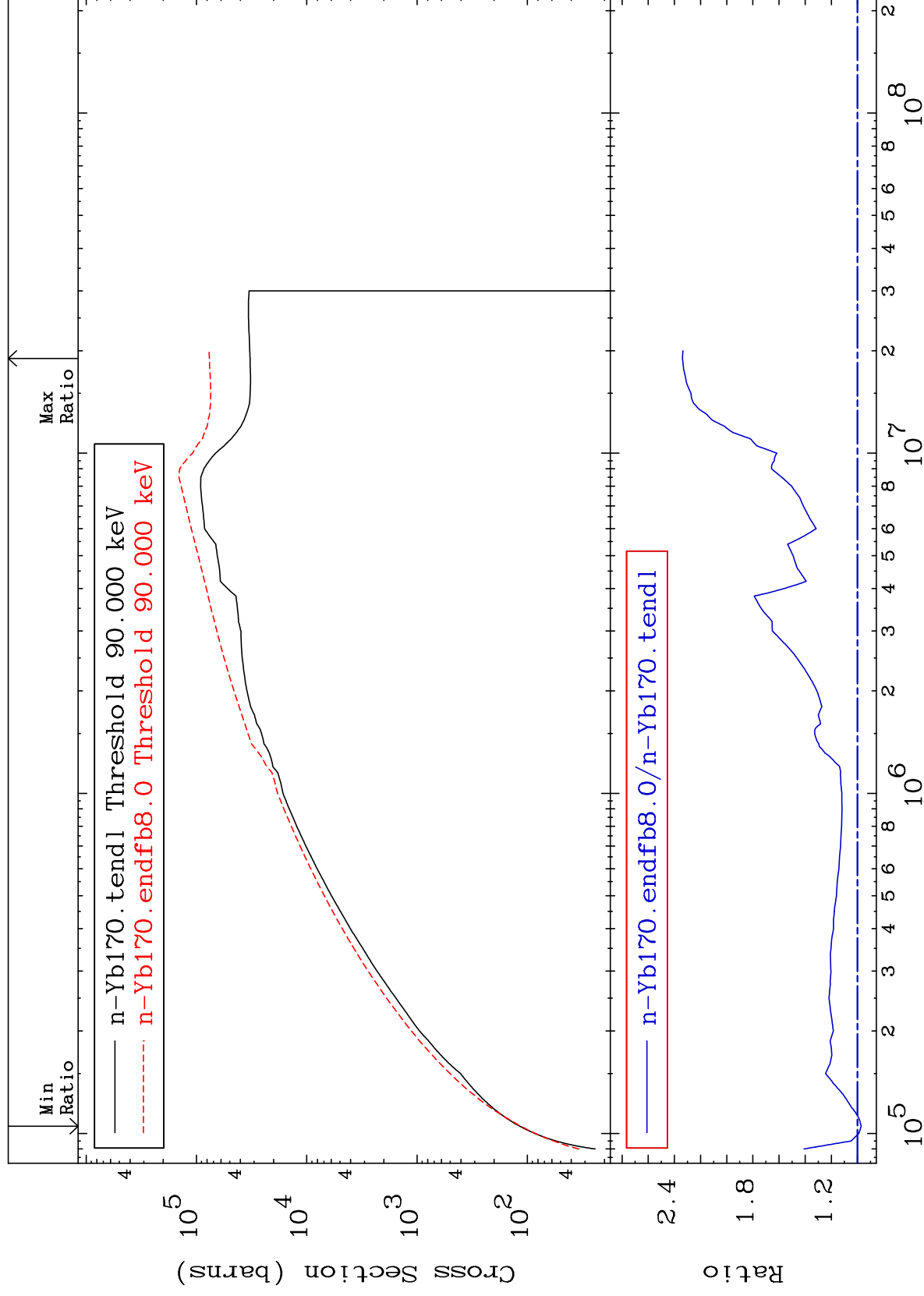
MAT 7031

Dpa inelastic (mt51-91)

## Cross Section

70-Yb-170

-2.812 To 133.8 %



41

Incident Energy (eV)

70-Yb-170

MAT 7031

Dpa disappearance (mt102 -120)

70-Yb-170

Cross Section

-4.323 To 9999. %

