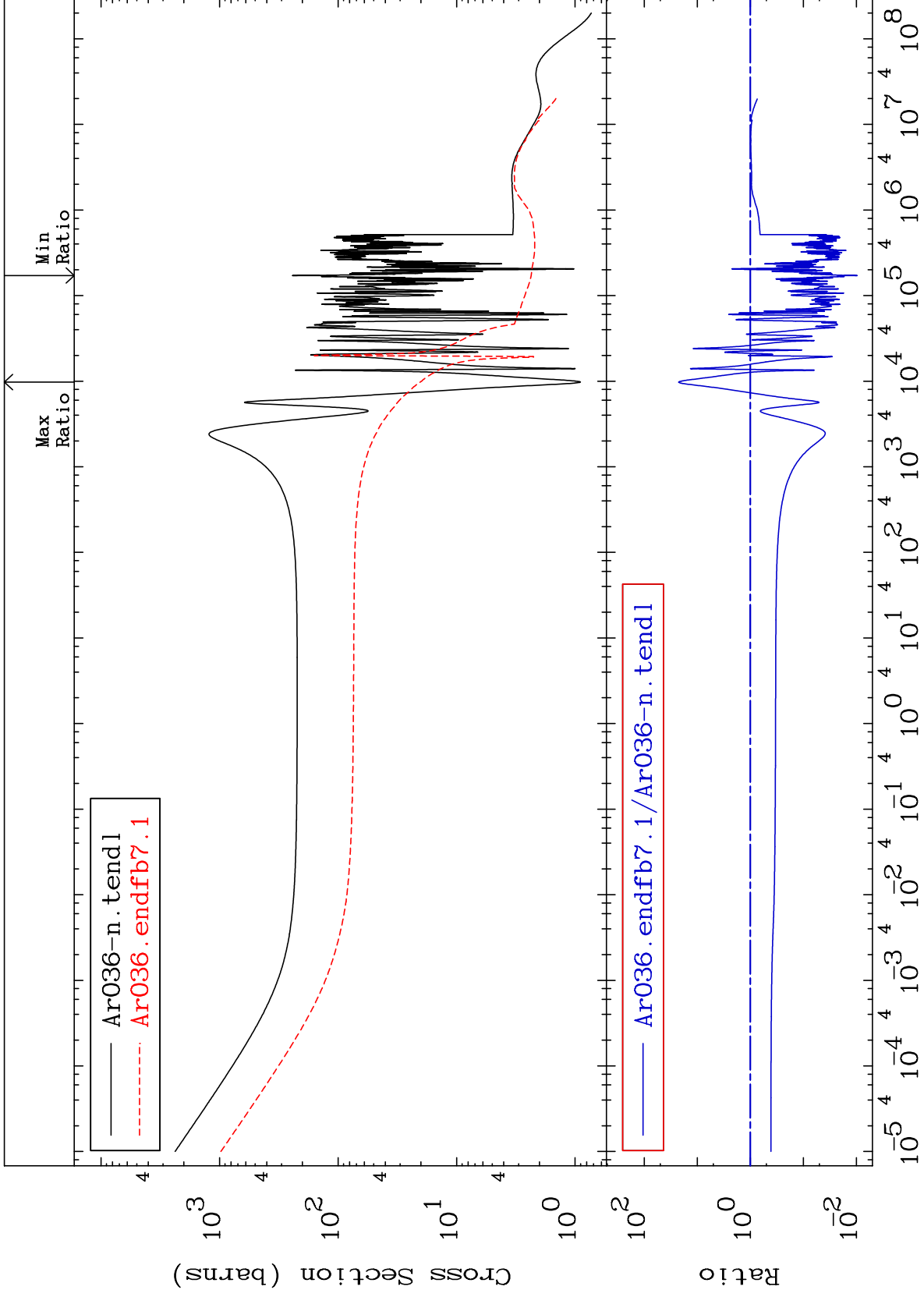


MAT 1825

Total  
Cross Section

18-Ar-36  
-99.03 To 2153. %



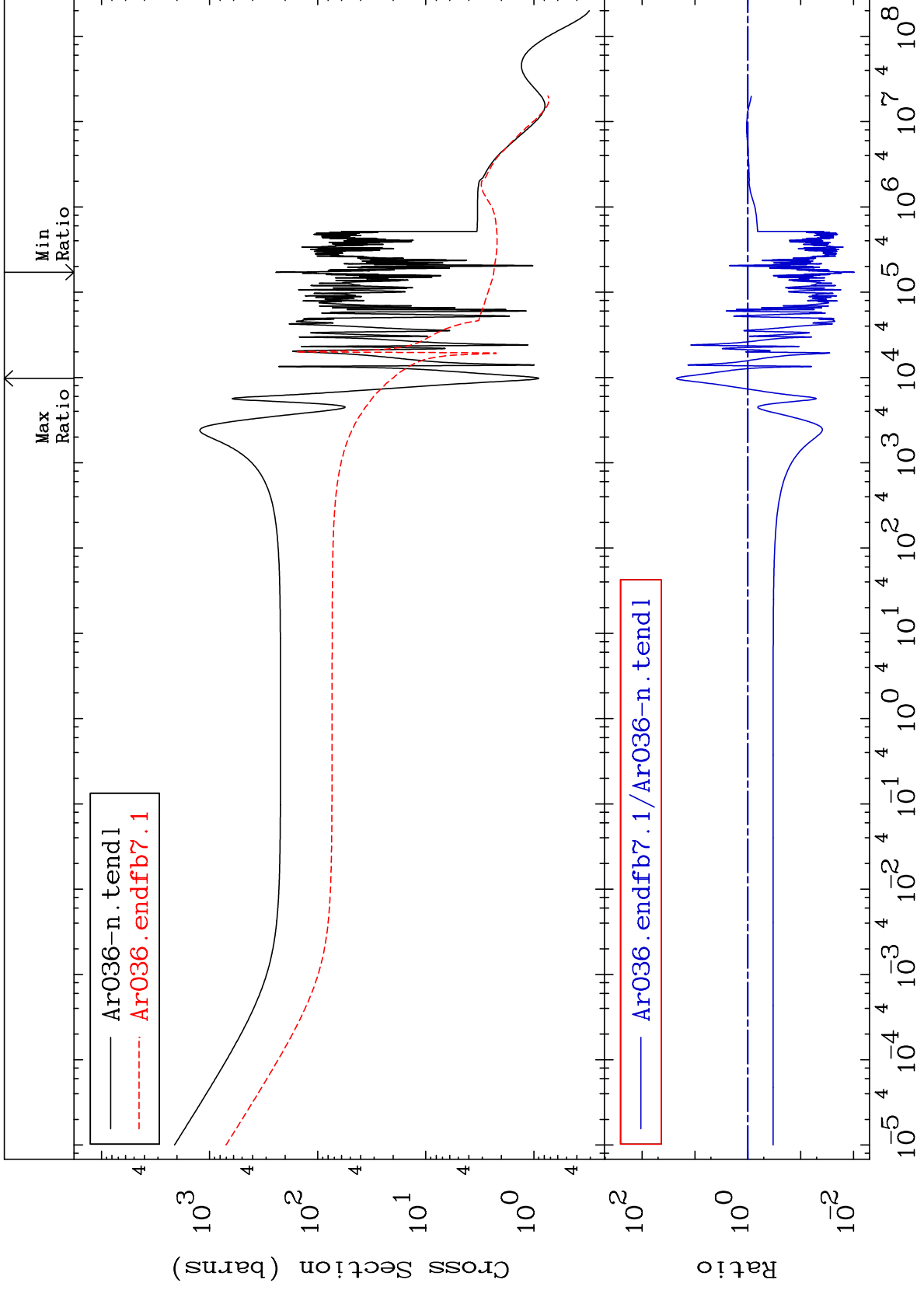
Incident Energy (eV)

18-Ar-36

MAT 1825

Elastic  
Cross Section

18-Ar-36  
-99.03 To 2159. %



Incident Energy (eV)

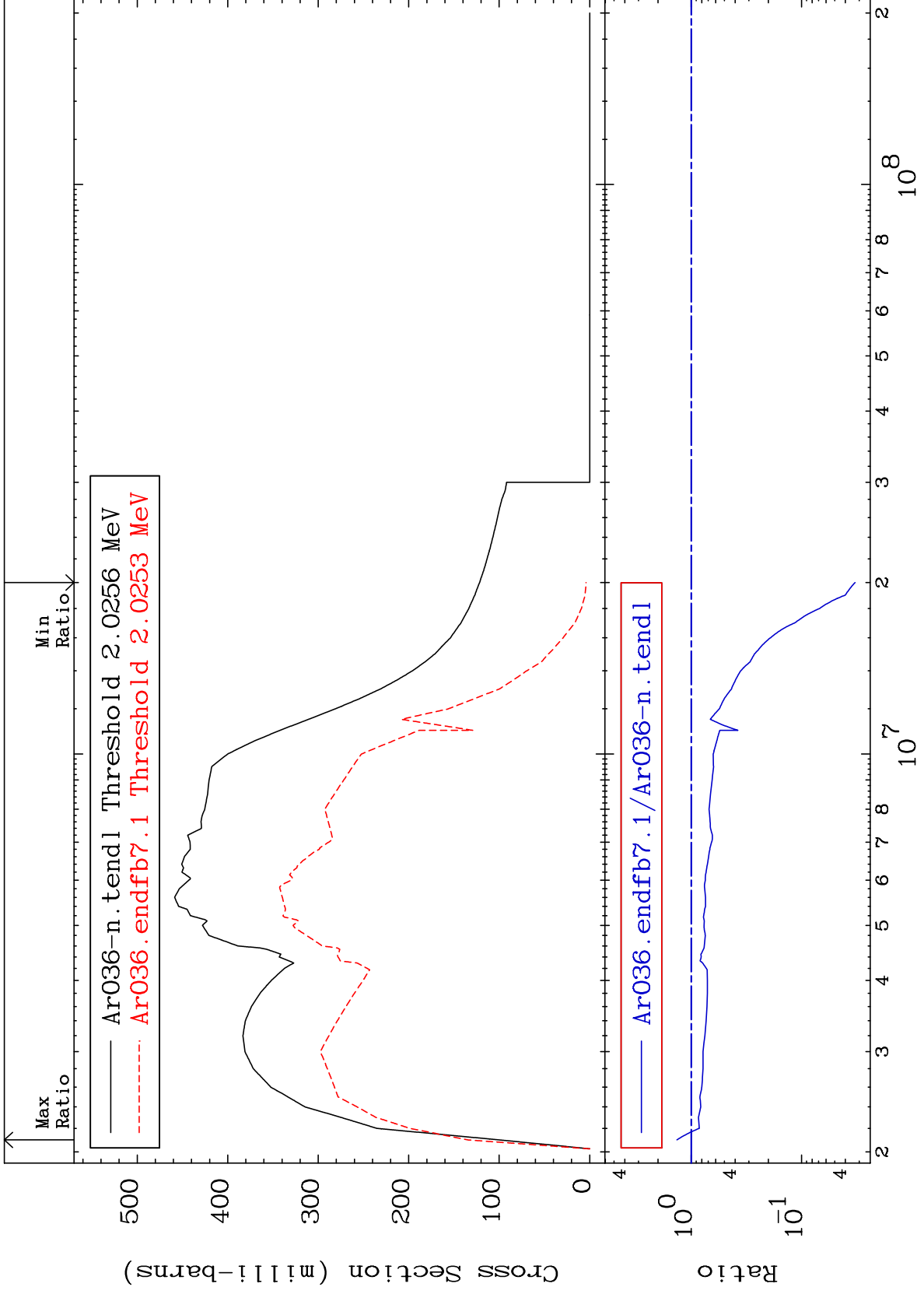
18-Ar-36

2

MAT 1825

Inelastic  
Cross Section

18-Ar-36  
-96.73 To 34.59 %



3

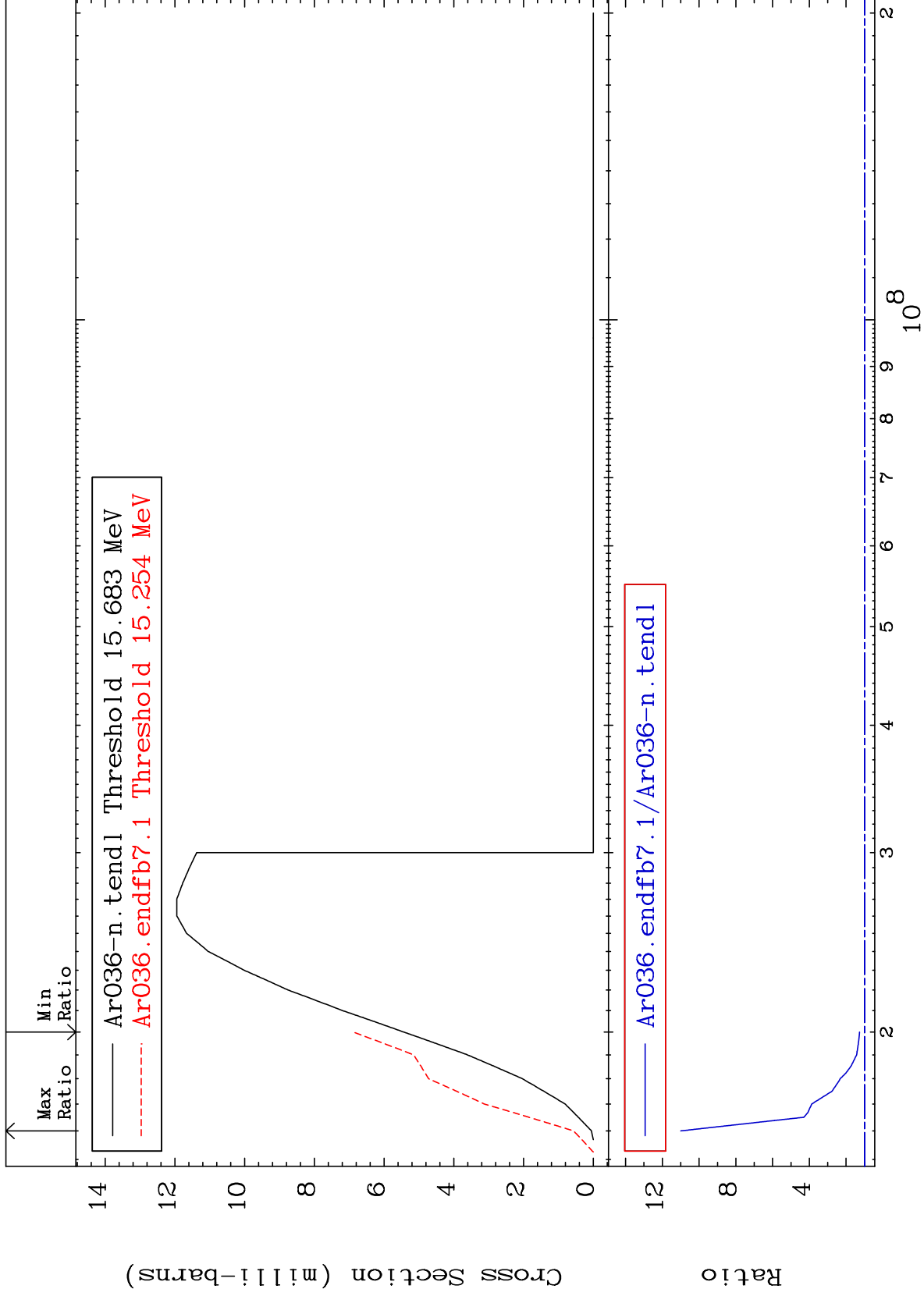
Incident Energy (eV)

18-Ar-36

MAT 1825

(n,2n)  
Cross Section

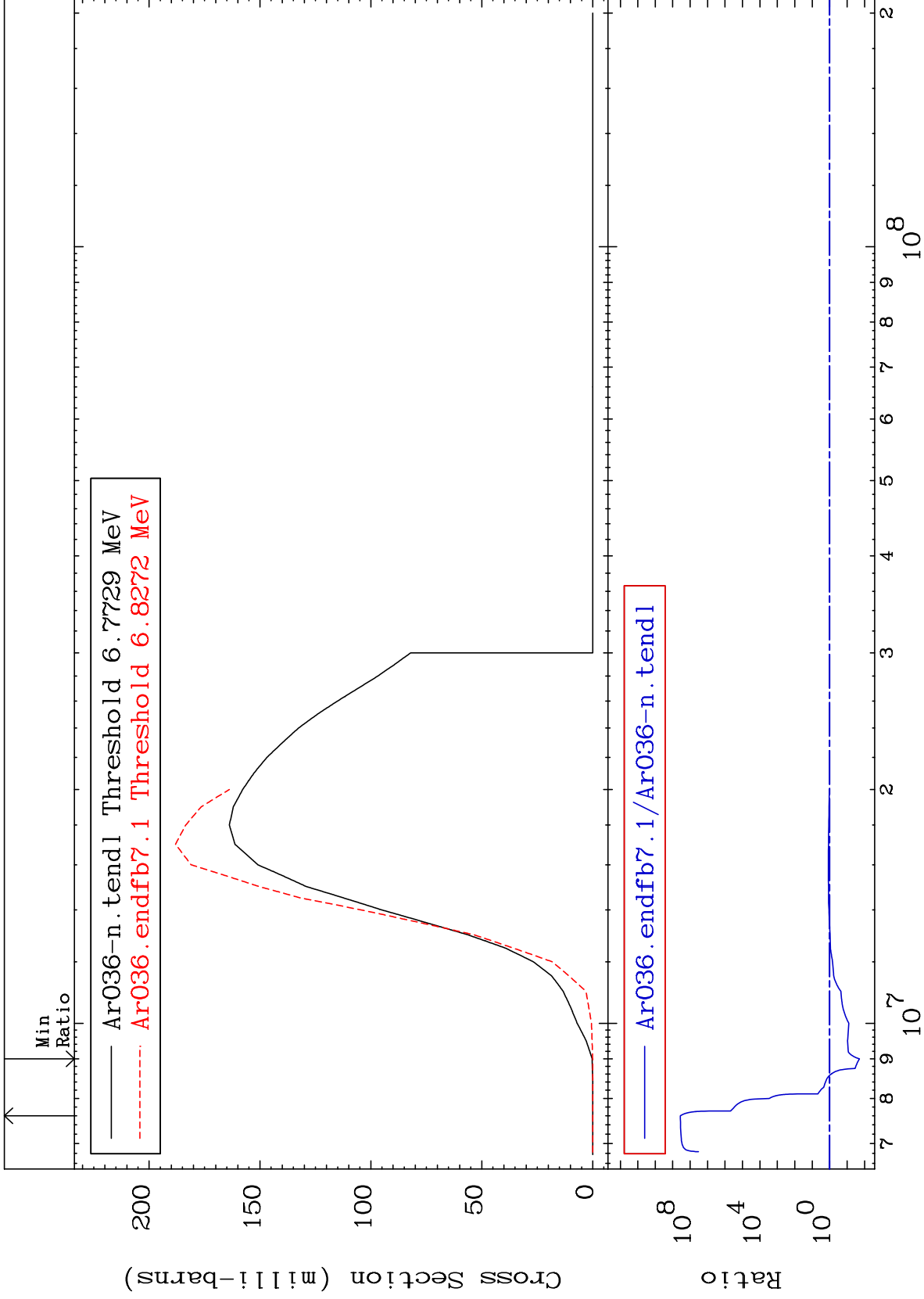
18-Ar-36  
26.75 To 999.8 %



MAT 1825

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

18-Ar-36  
-98.03 To 9999. %



5

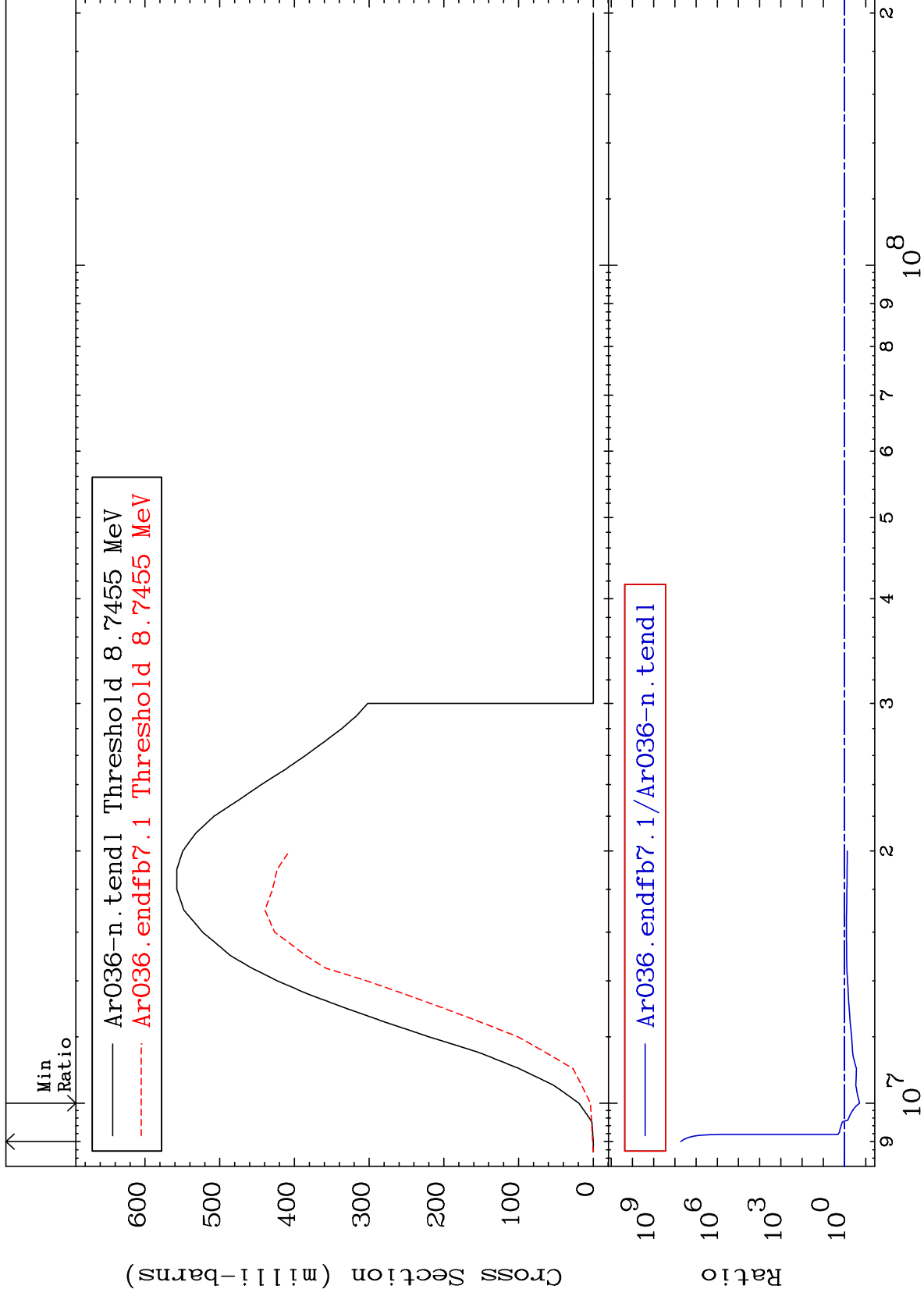
18-Ar-36

18-Ar-36

MAT 1825

(n, n') p  
Cross Section

18-Ar-36  
-80.42 To 9999. %



6

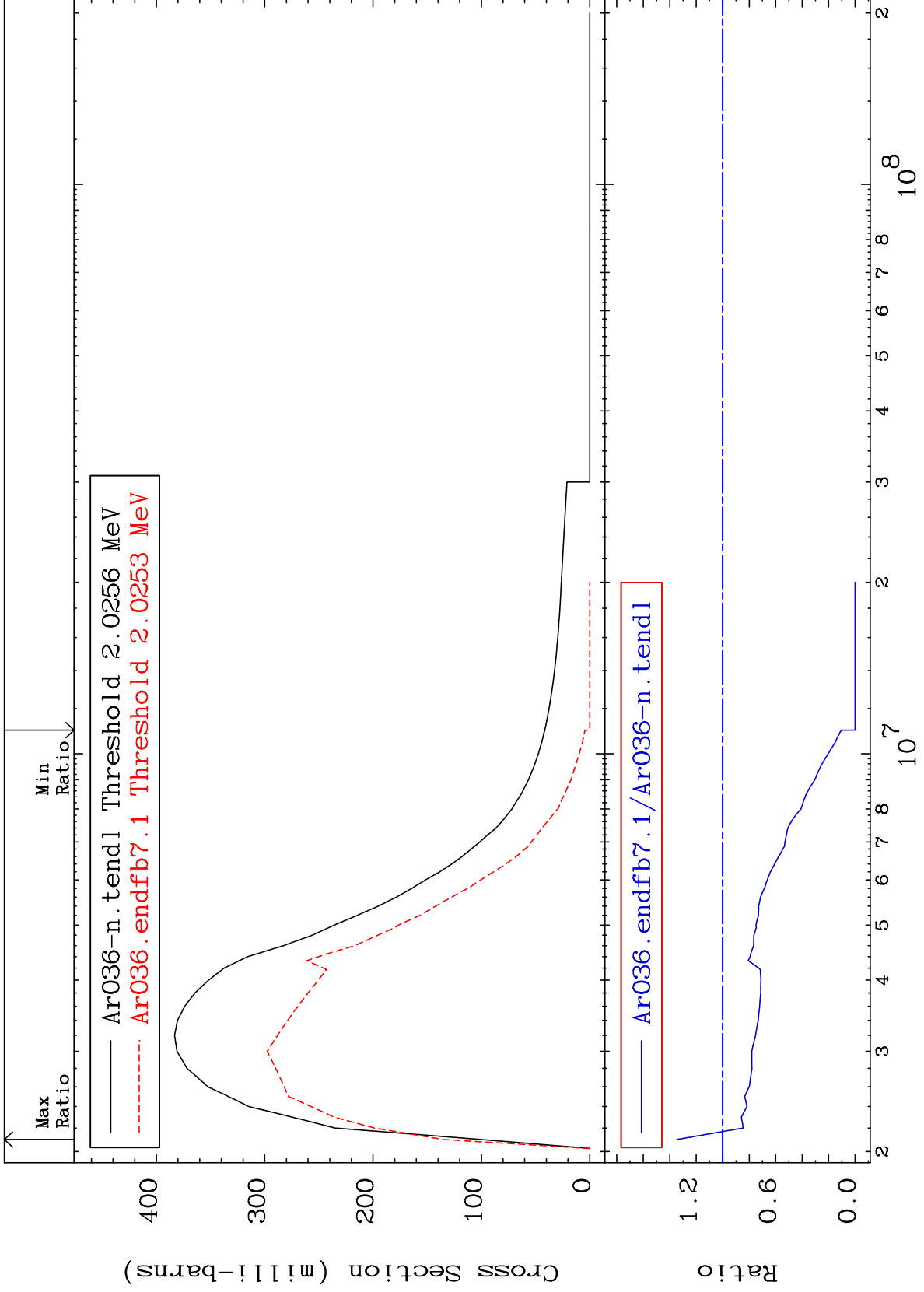
18-Ar-36

18-Ar-36

MAT 1825

1.970 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 34.59 %



7

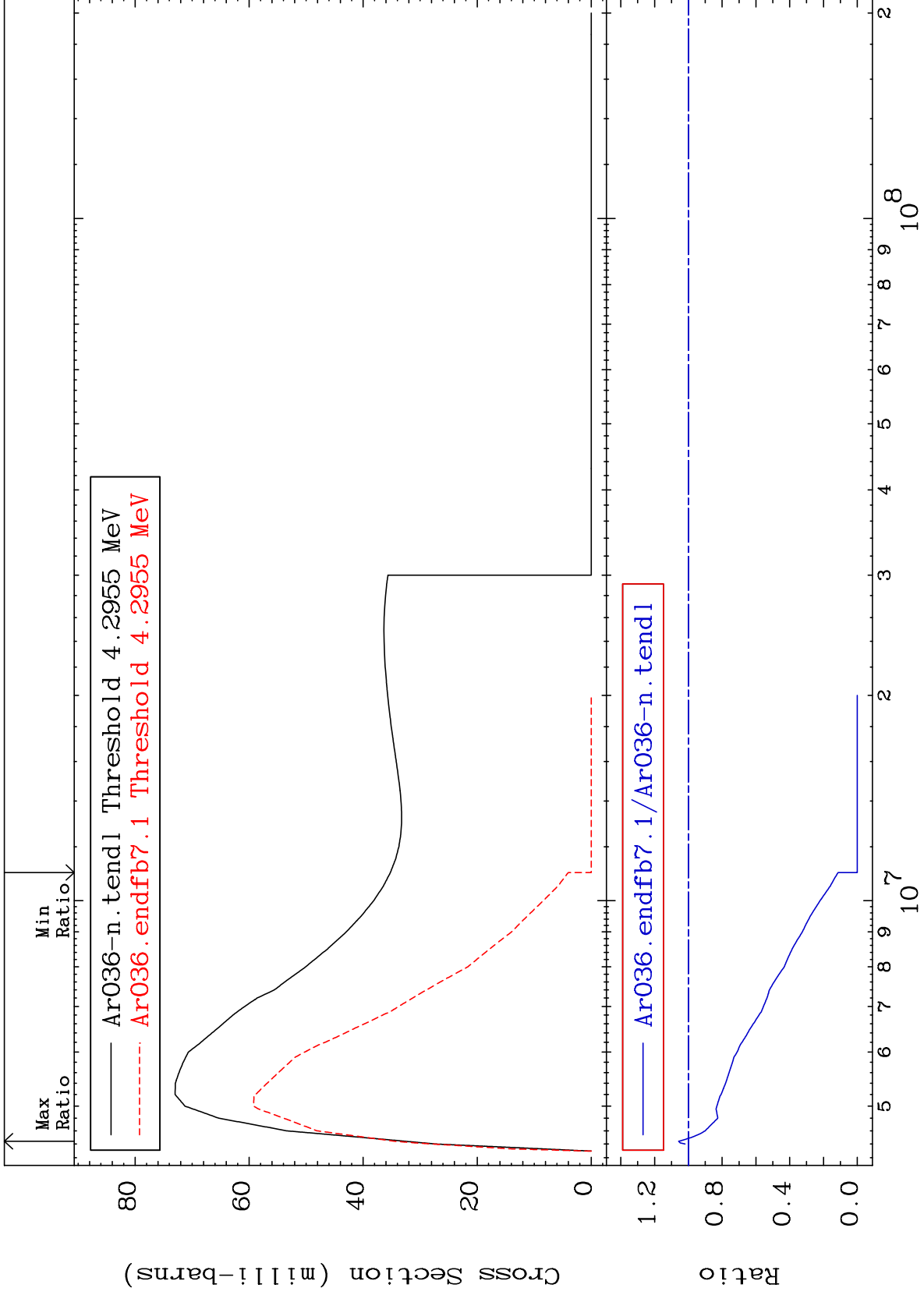
18-Ar-36

18-Ar-36

MAT 1825

4.178 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 5.751 %



8

Incident Energy (eV)

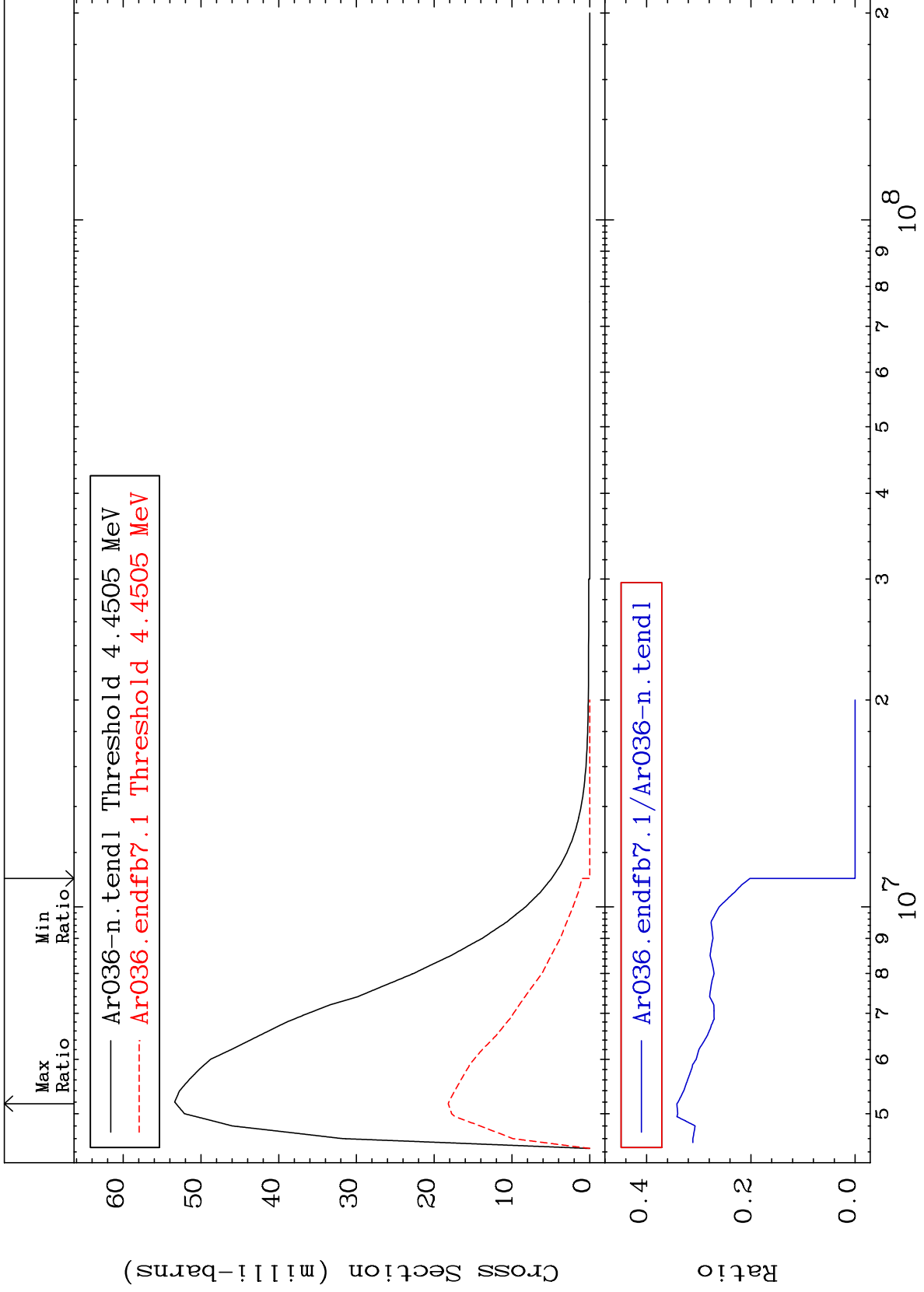
18-Ar-36



MAT 1825

4.329 MeV (n,n') Level  
Cross Section

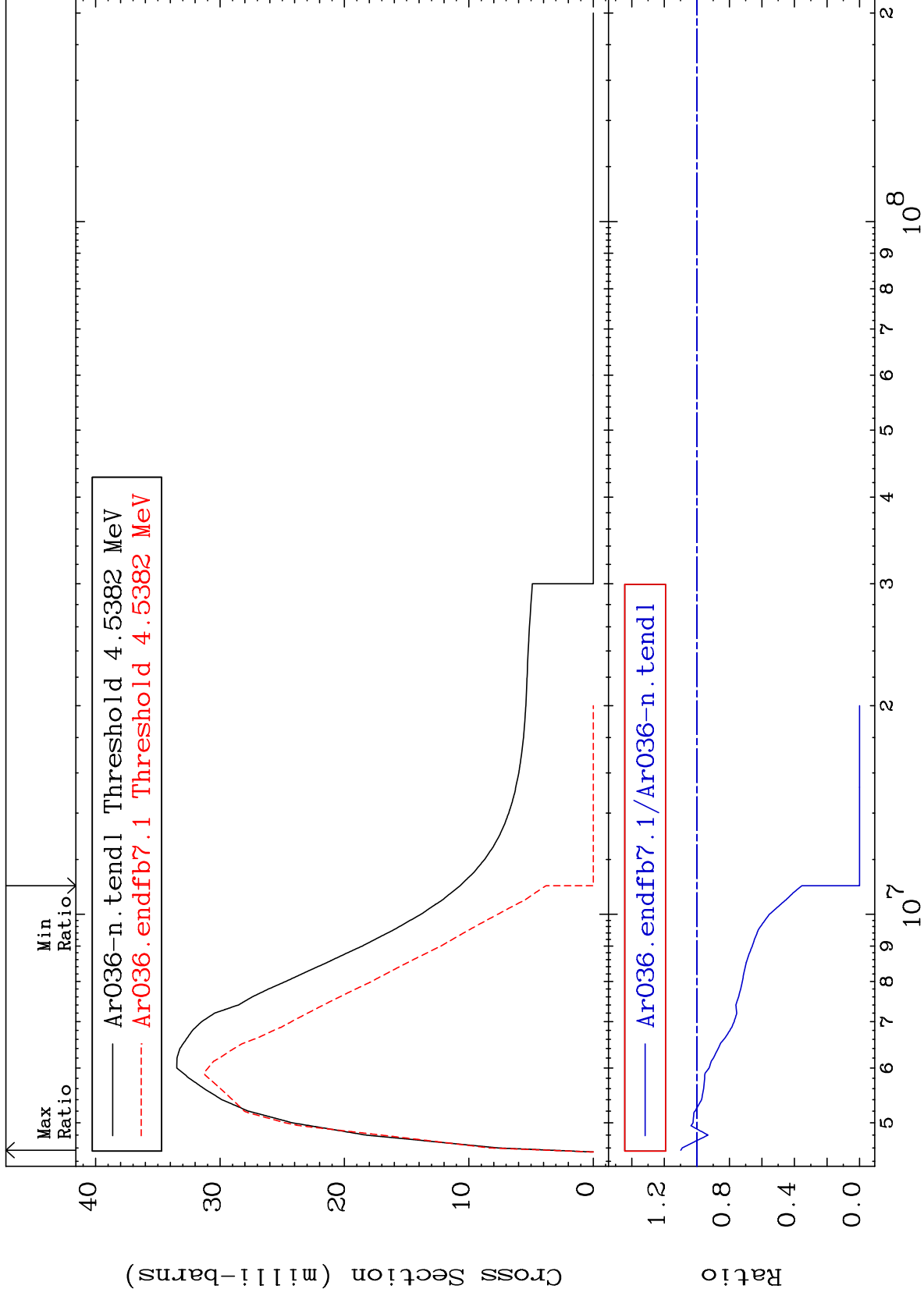
18-Ar-36  
-100.0 To -65.81%



MAT 1825

4.414 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 9.906 %



10

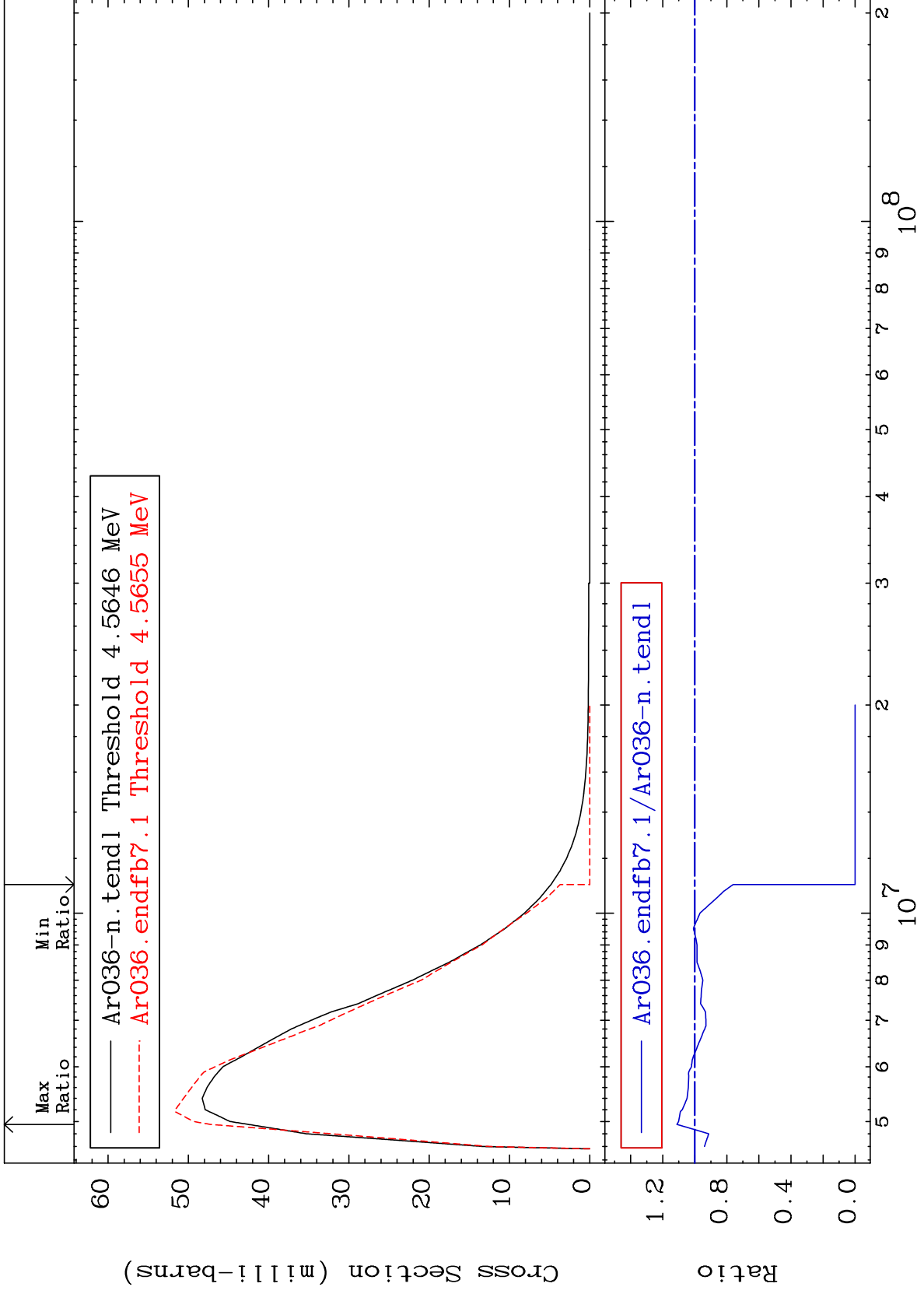
18-Ar-36

18-Ar-36

MAT 1825

4.440 MeV (n,n') Level  
Cross Section

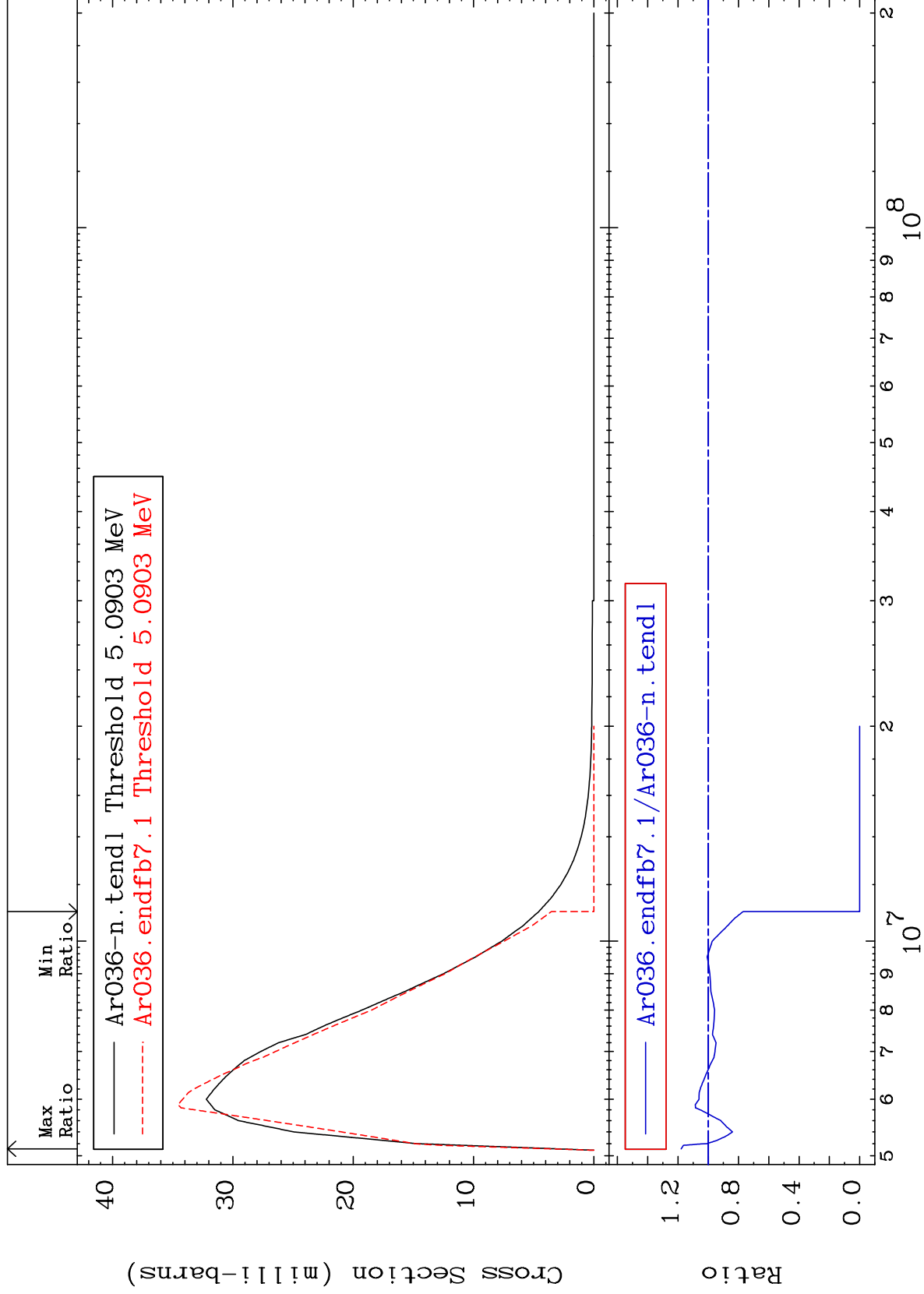
18-Ar-36  
-100.0 To 11.16 %



MAT 1825

4.951 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 17.89 %



12

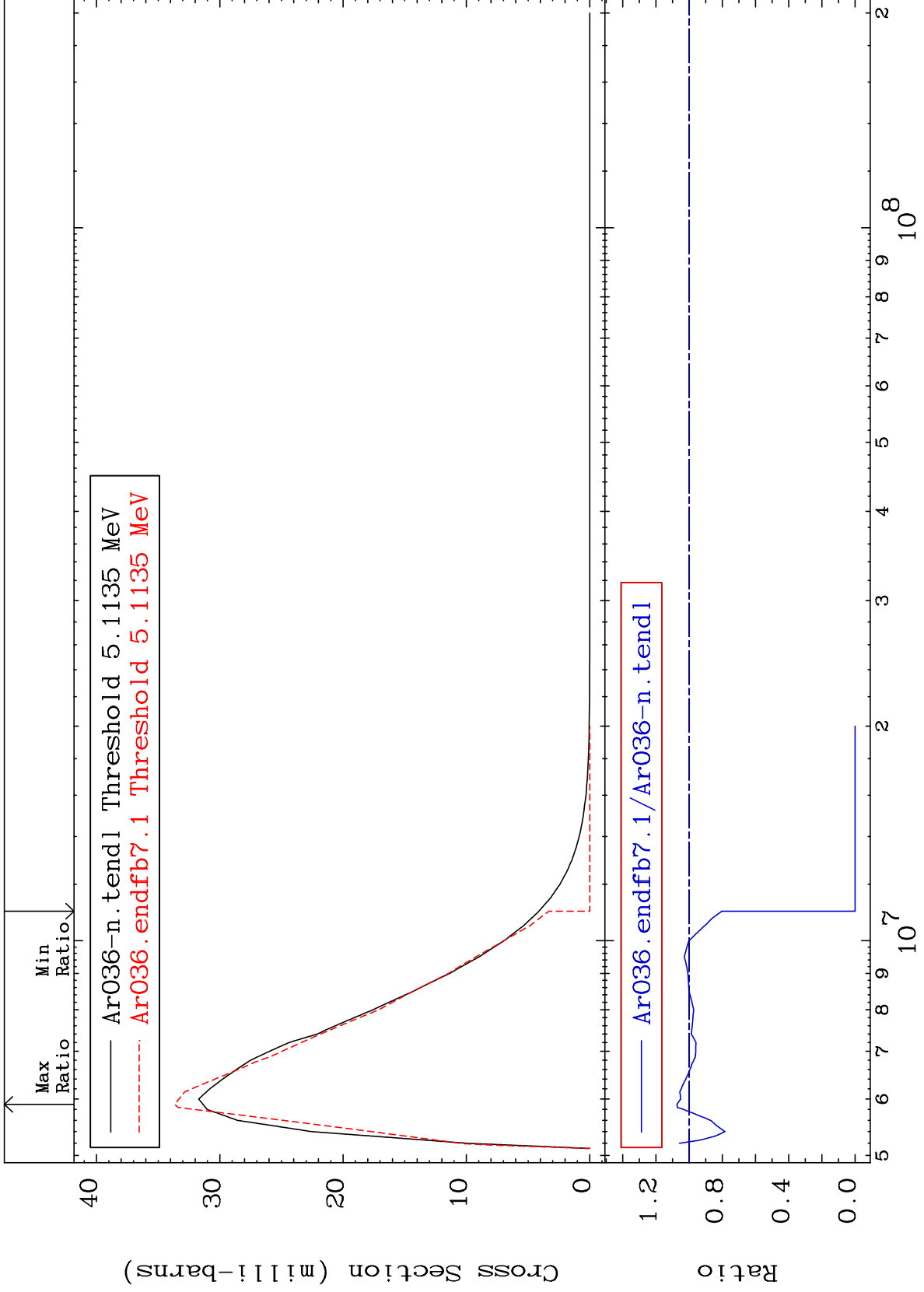
Incident Energy (eV)

18-Ar-36

MAT 1825

4.974 MeV (n,n') Level  
Cross Section

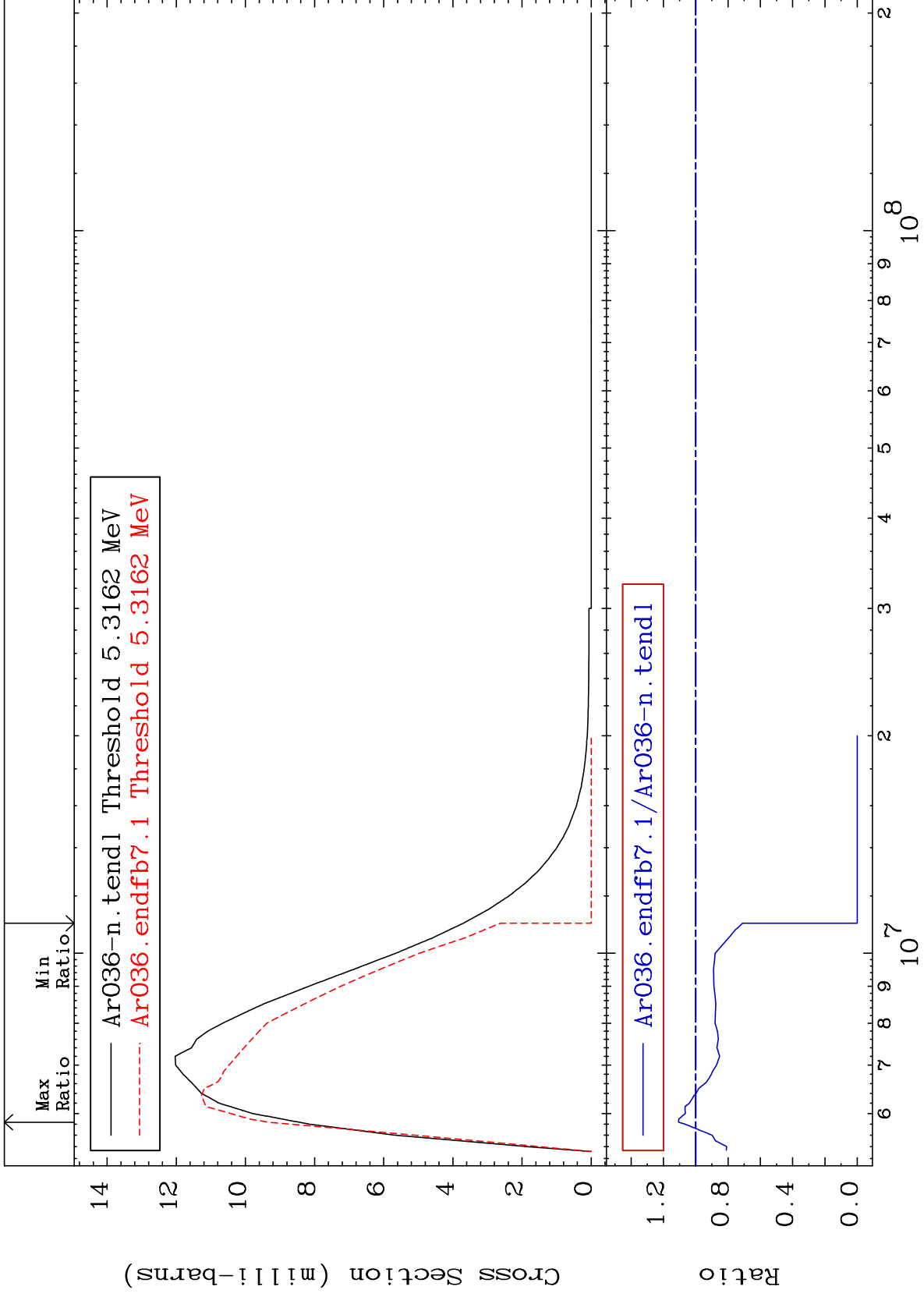
18-Ar-36  
-100.0 To 7.360 %



MAT 1825

5.171 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 10.59 %



14

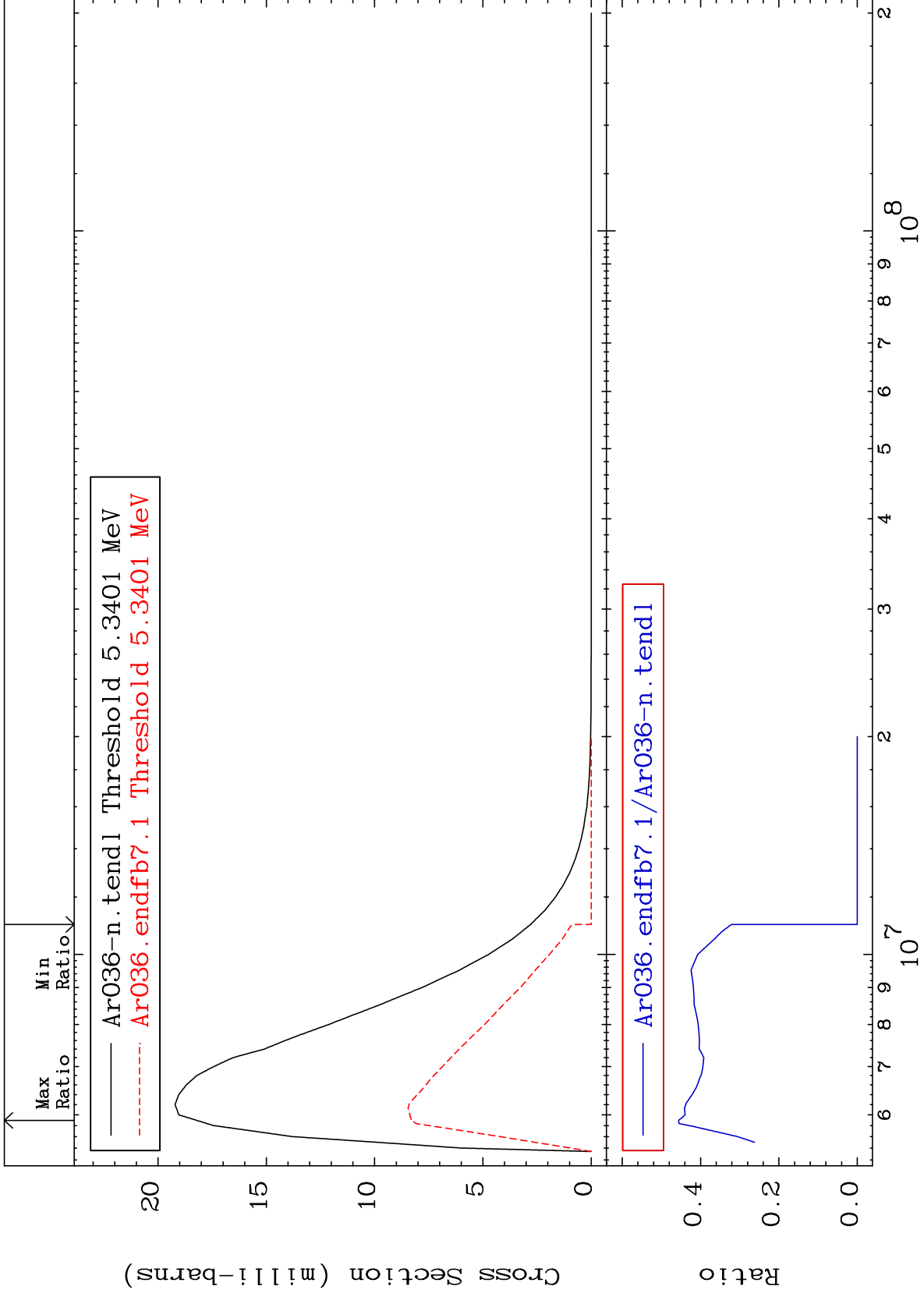
18-Ar-36

18-Ar-36

MAT 1825

5.194 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To -54.39%



15

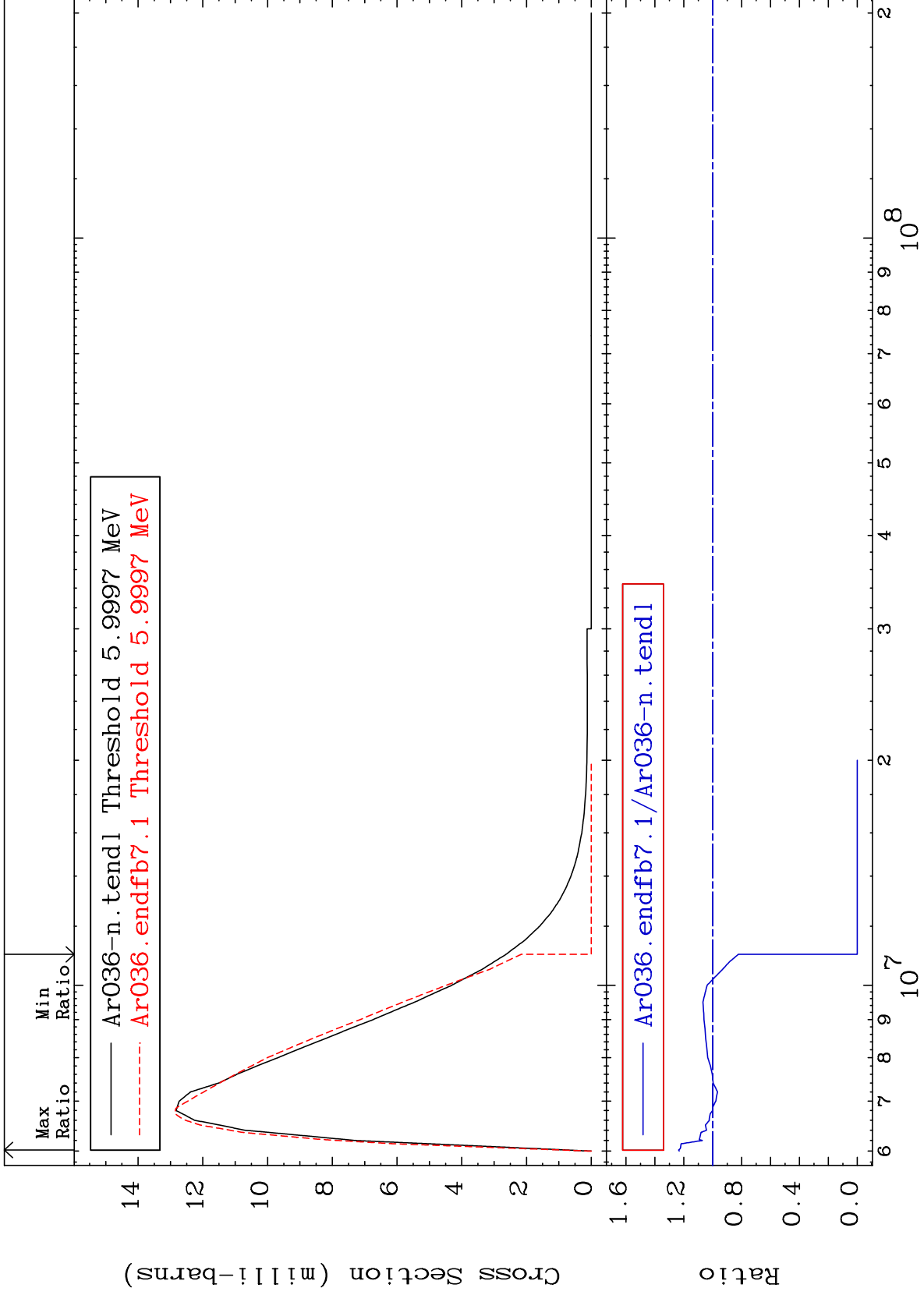
Incident Energy (eV)

18-Ar-36

MAT 1825

5.836 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 23.61 %



16

Incident Energy (eV)

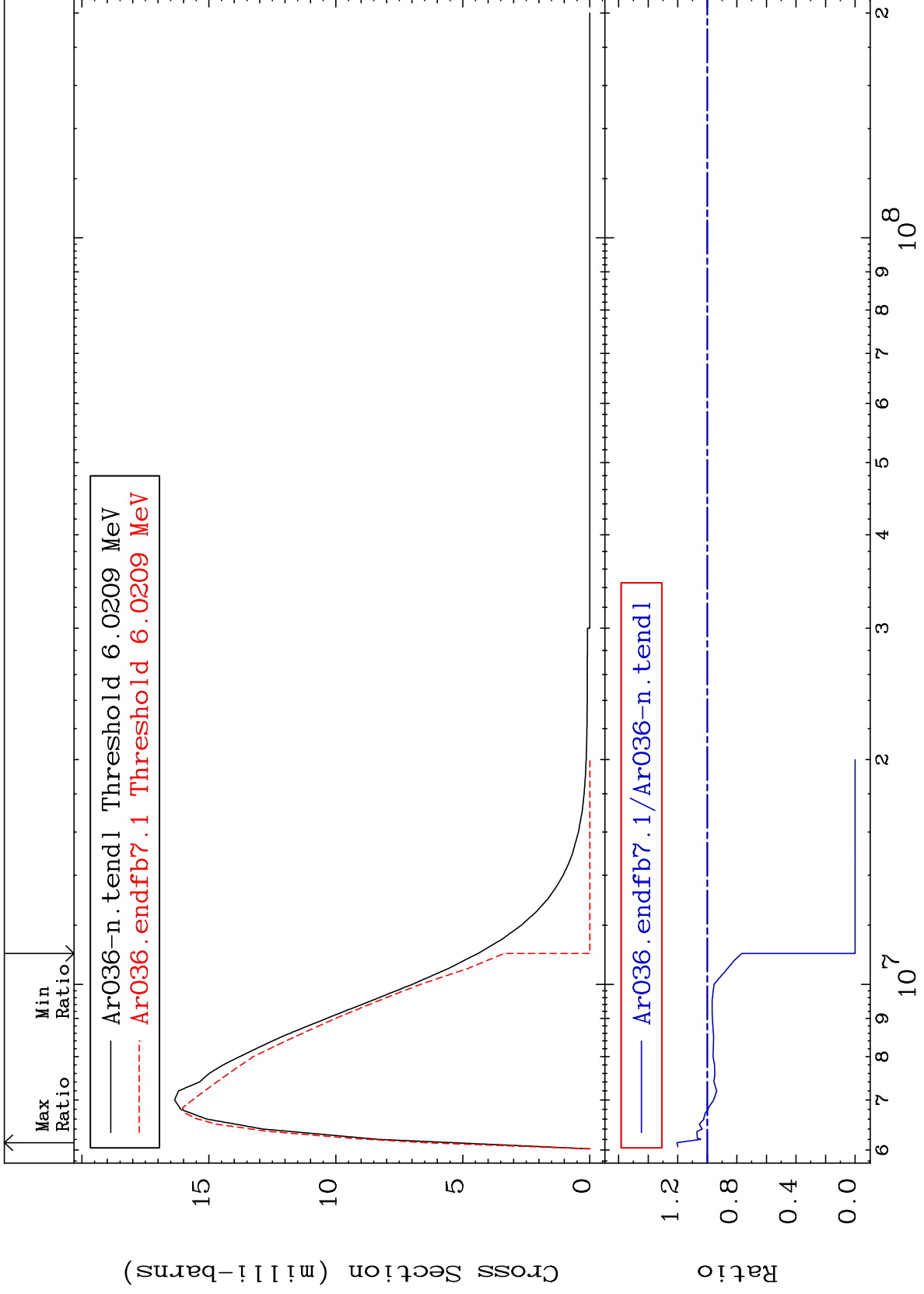
18-Ar-36



MAT 1825

5.857 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To 20.54 %



17

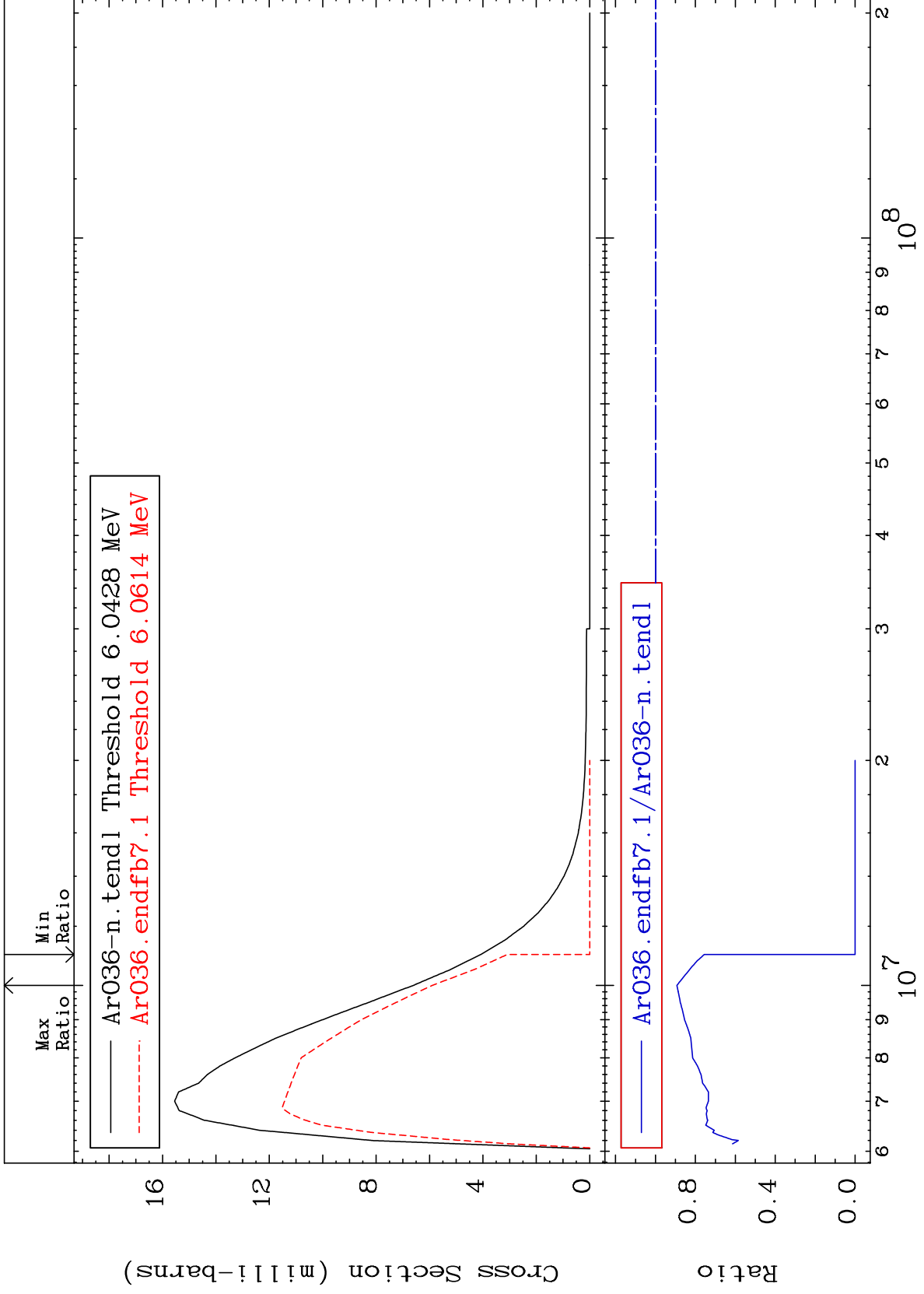
Incident Energy (eV)

18-Ar-36

MAT 1825

5.878 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To -10.74%



18

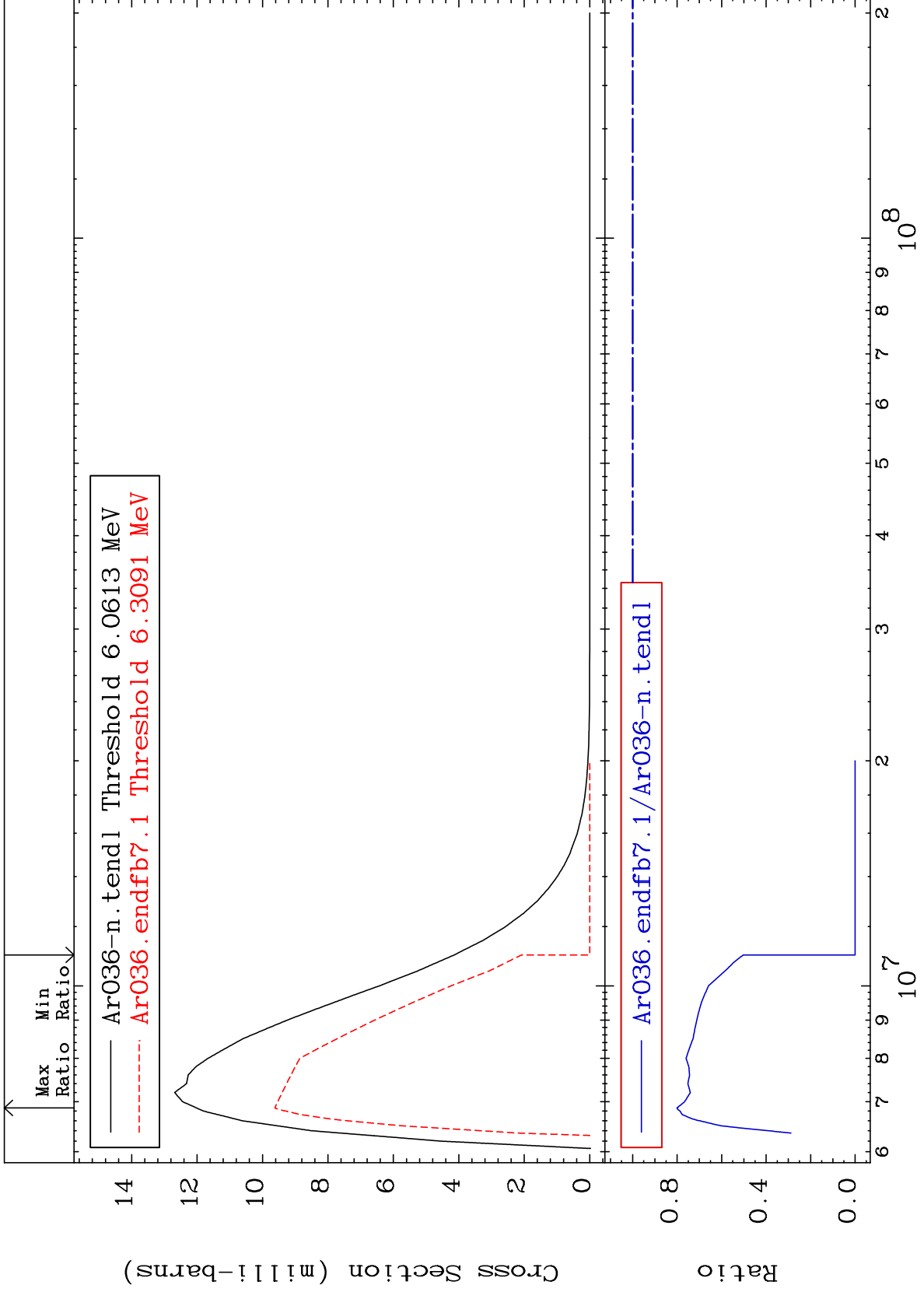
Incident Energy (eV)

18-Ar-36

MAT 1825

5.896 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To -19.91%



19

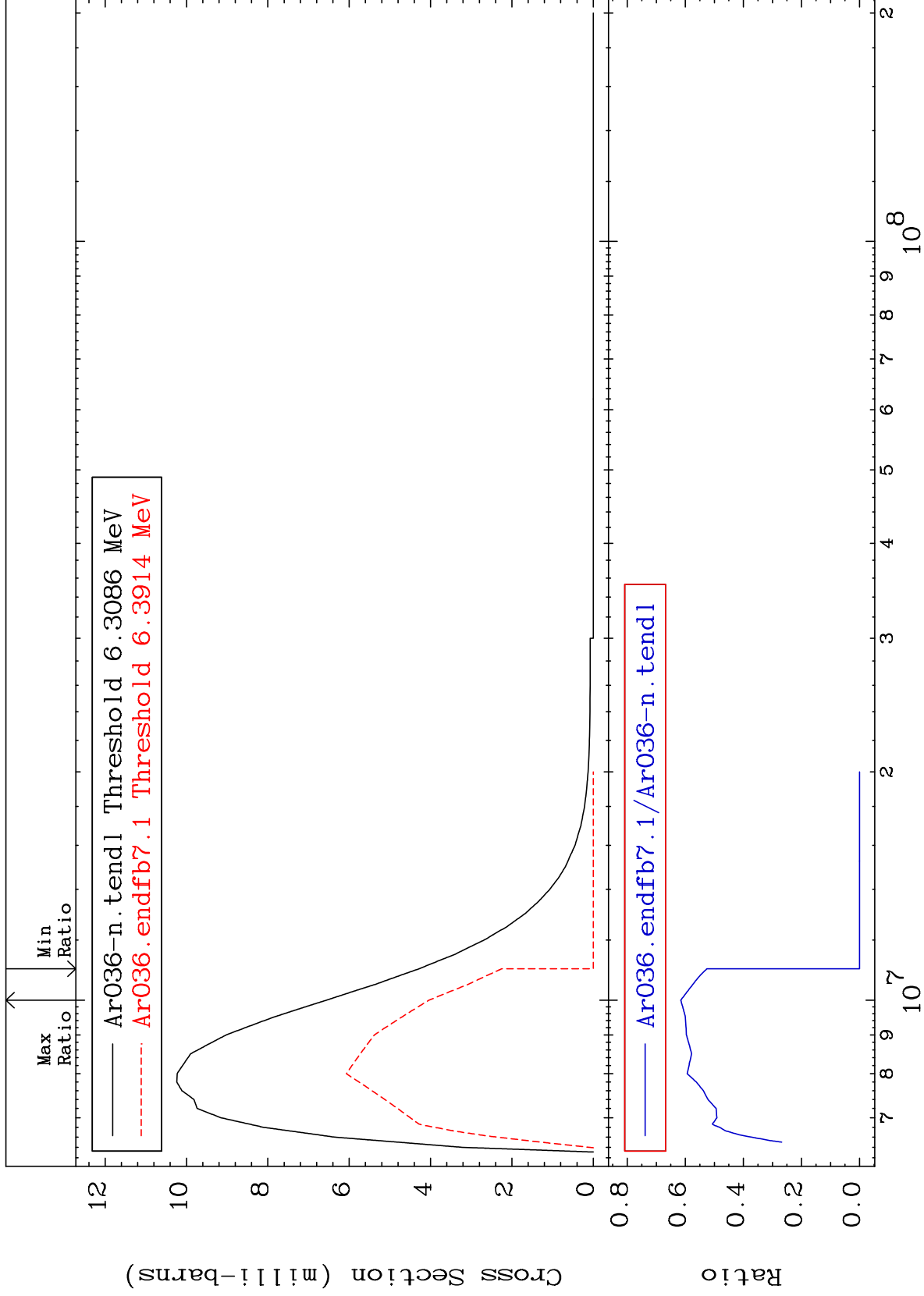
18-Ar-36

18-Ar-36

MAT 1825

6.137 MeV (n,n') Level  
Cross Section

18-Ar-36  
-100.0 To -38.43%



20

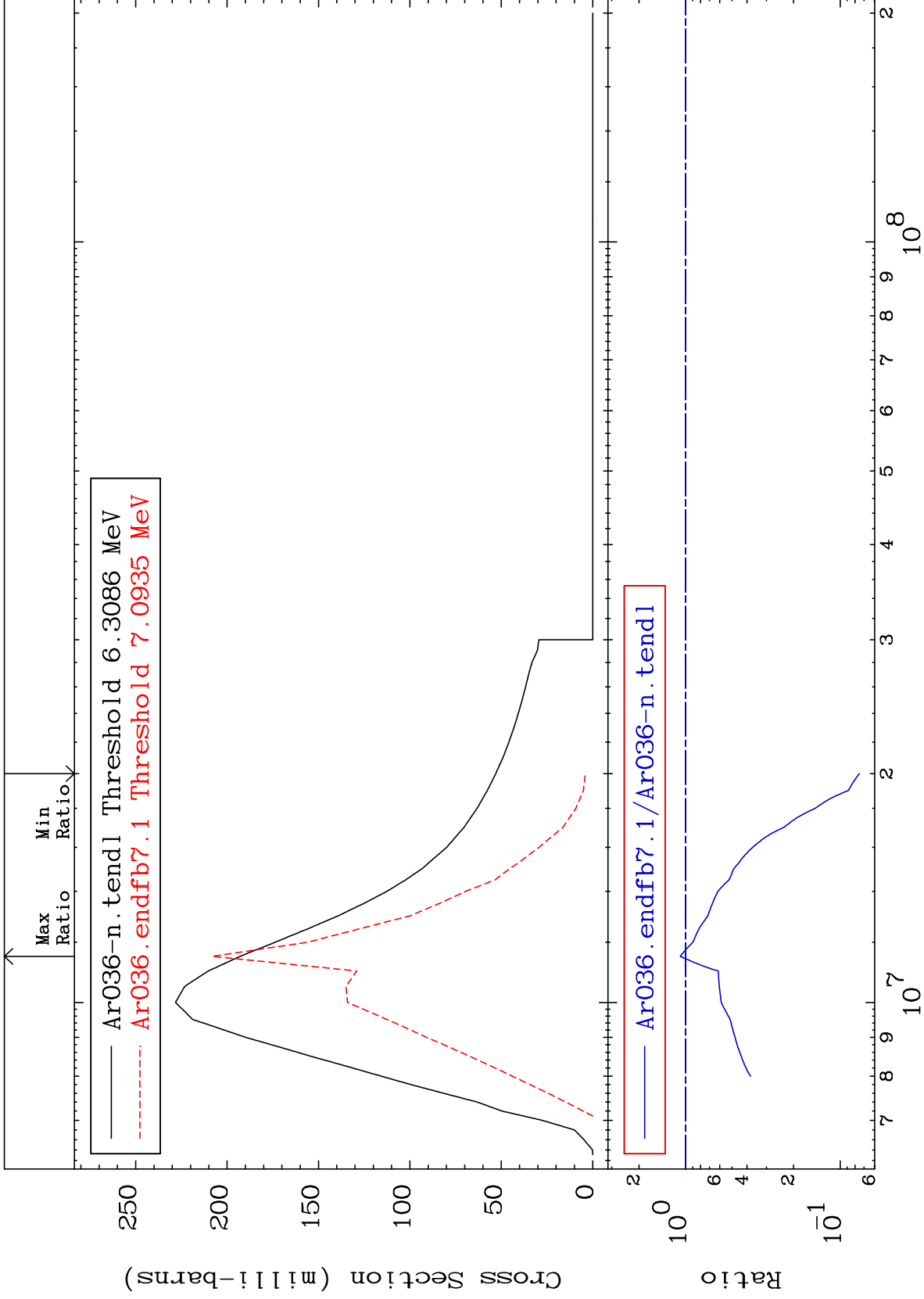
18-Ar-36

18-Ar-36

MAT 1825

(n, n') Continuum  
Cross Section

18-Ar-36  
-92.50 To 7.962 %



21

18-Ar-36

18-Ar-36

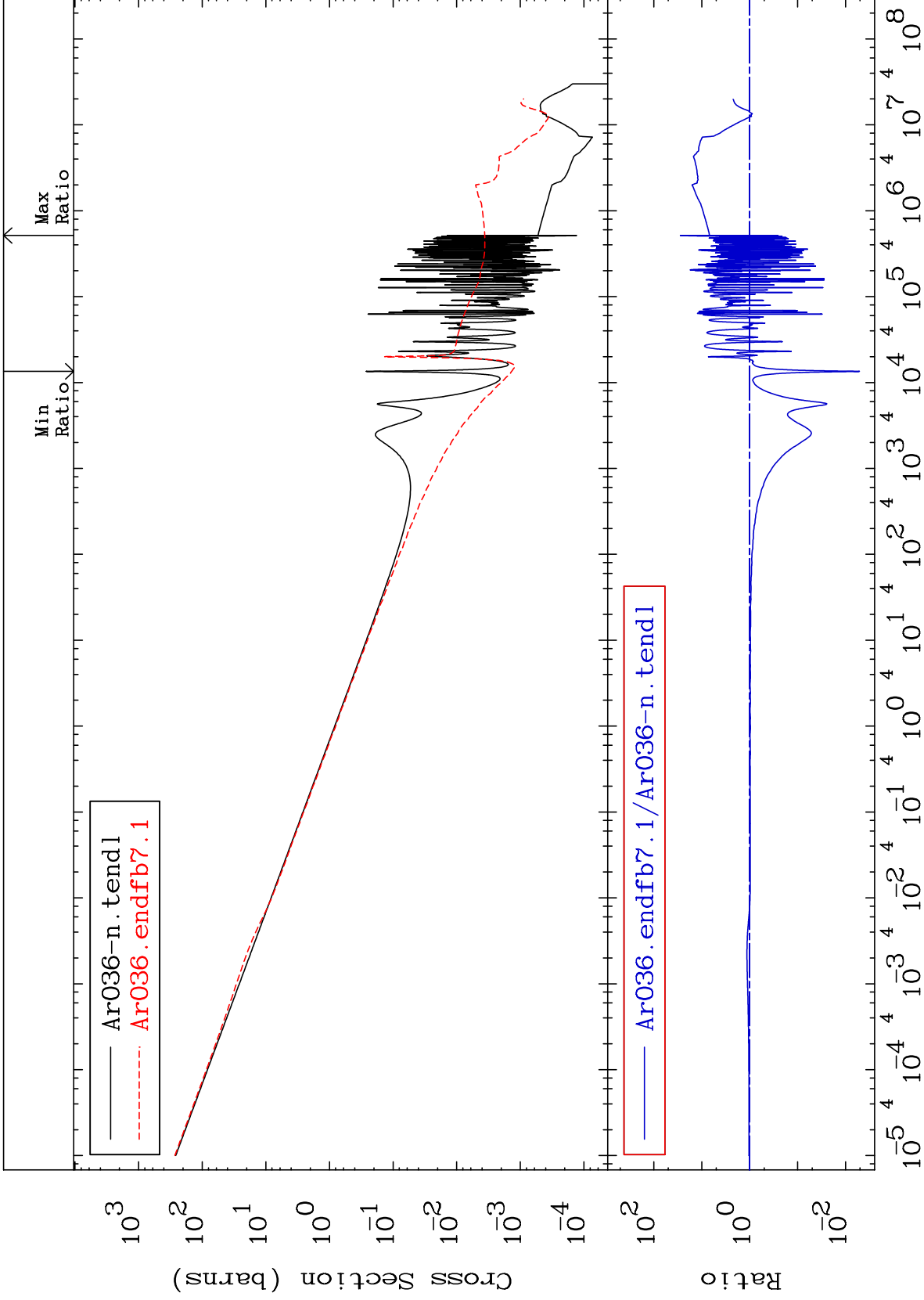
MAT 1825

(n,  $\gamma$ )

Cross Section

18-Ar-36

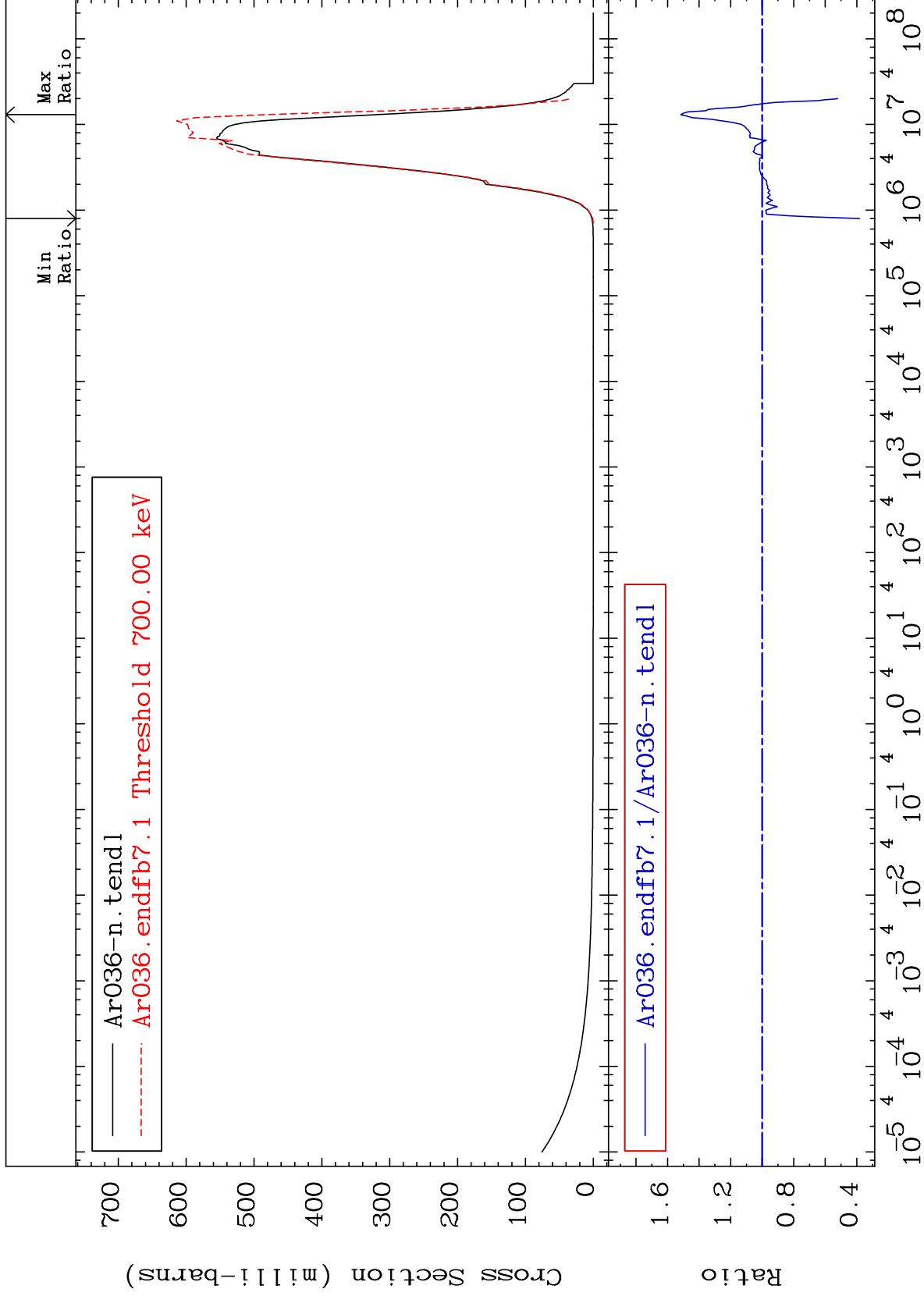
-99.48 To 2717. %



MAT 1825

(n,p)  
Cross Section

18-Ar-36  
-61.74 To 51.63 %



23

Incident Energy (eV)

18-Ar-36

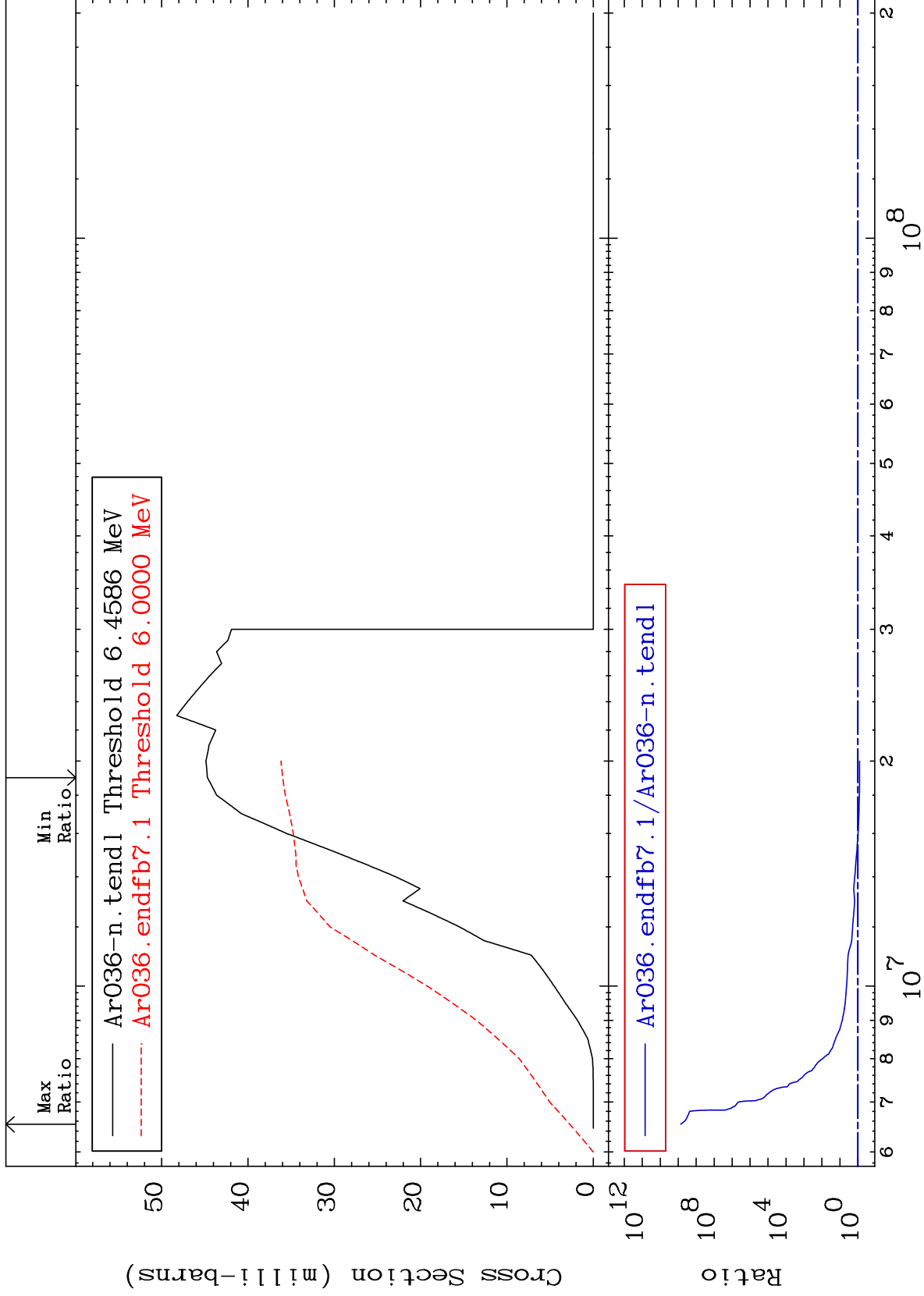
MAT 1825

(n, d)

18-Ar-36

Cross Section

-19.48 To 9999. %

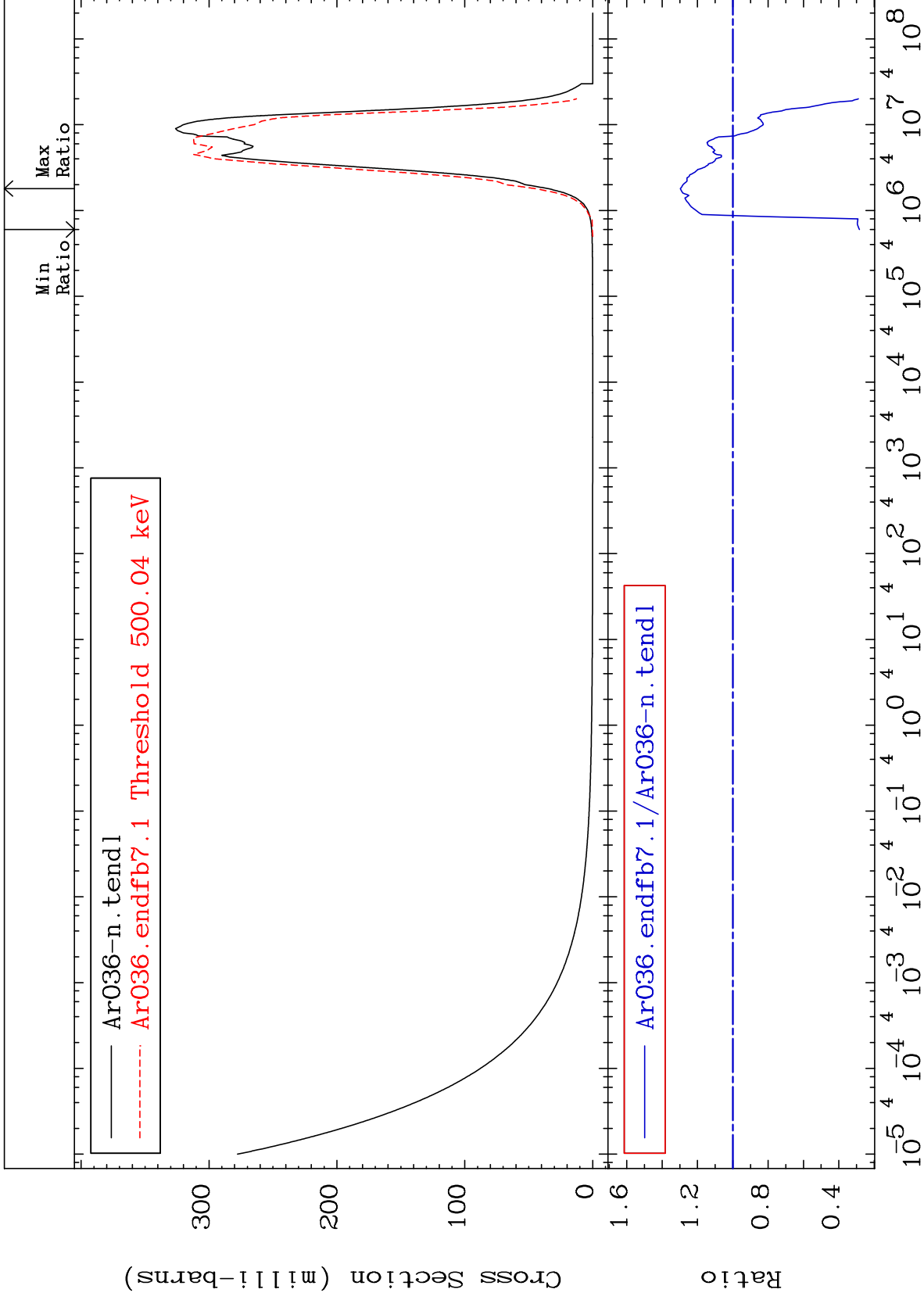




MAT 1825

(n,  $\alpha$ )  
Cross Section

18-Ar-36  
-71.66 To 29.70 %



25

18-Ar-36

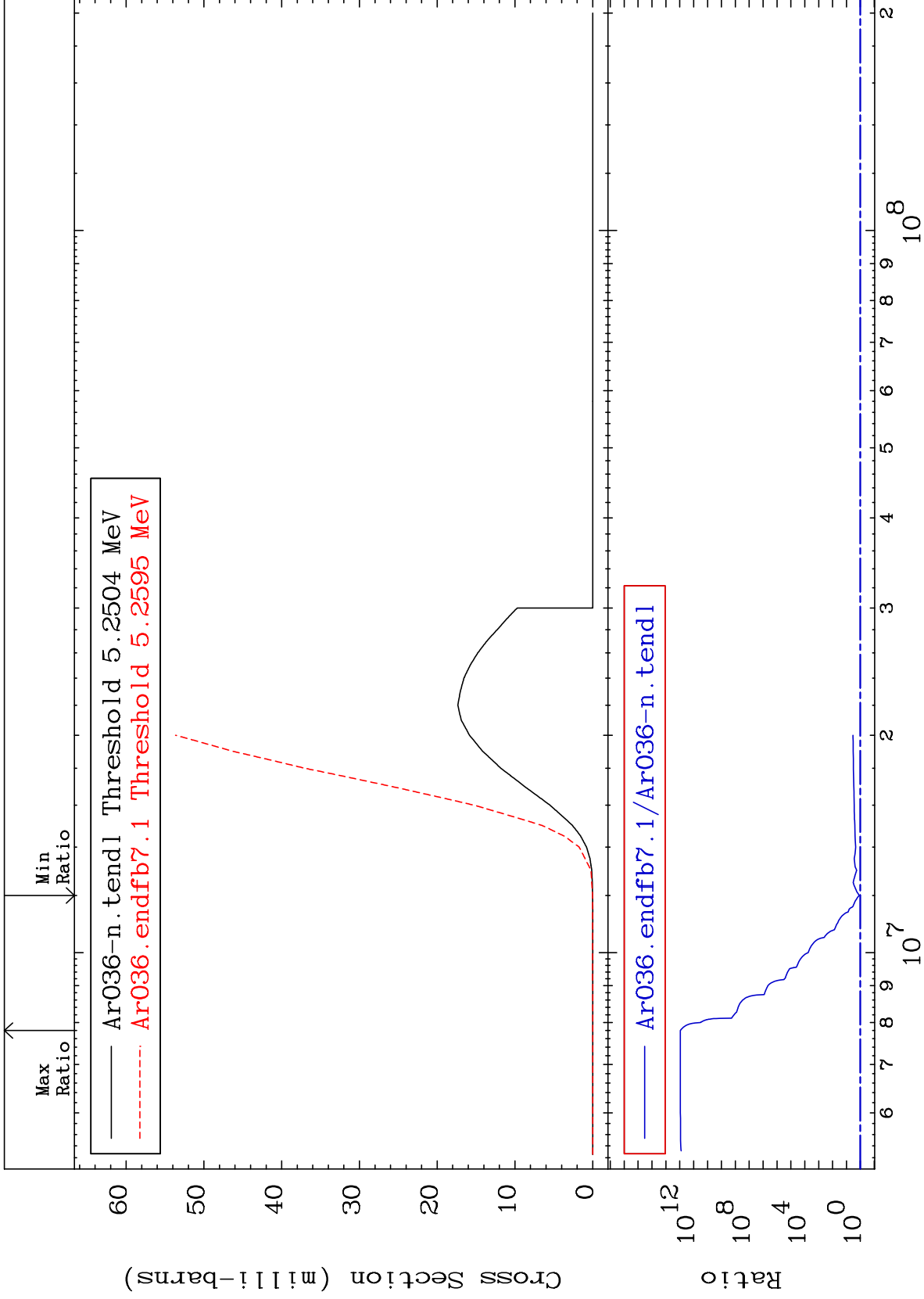
MAT 1825

(n,2α)

18-Ar-36

Cross Section

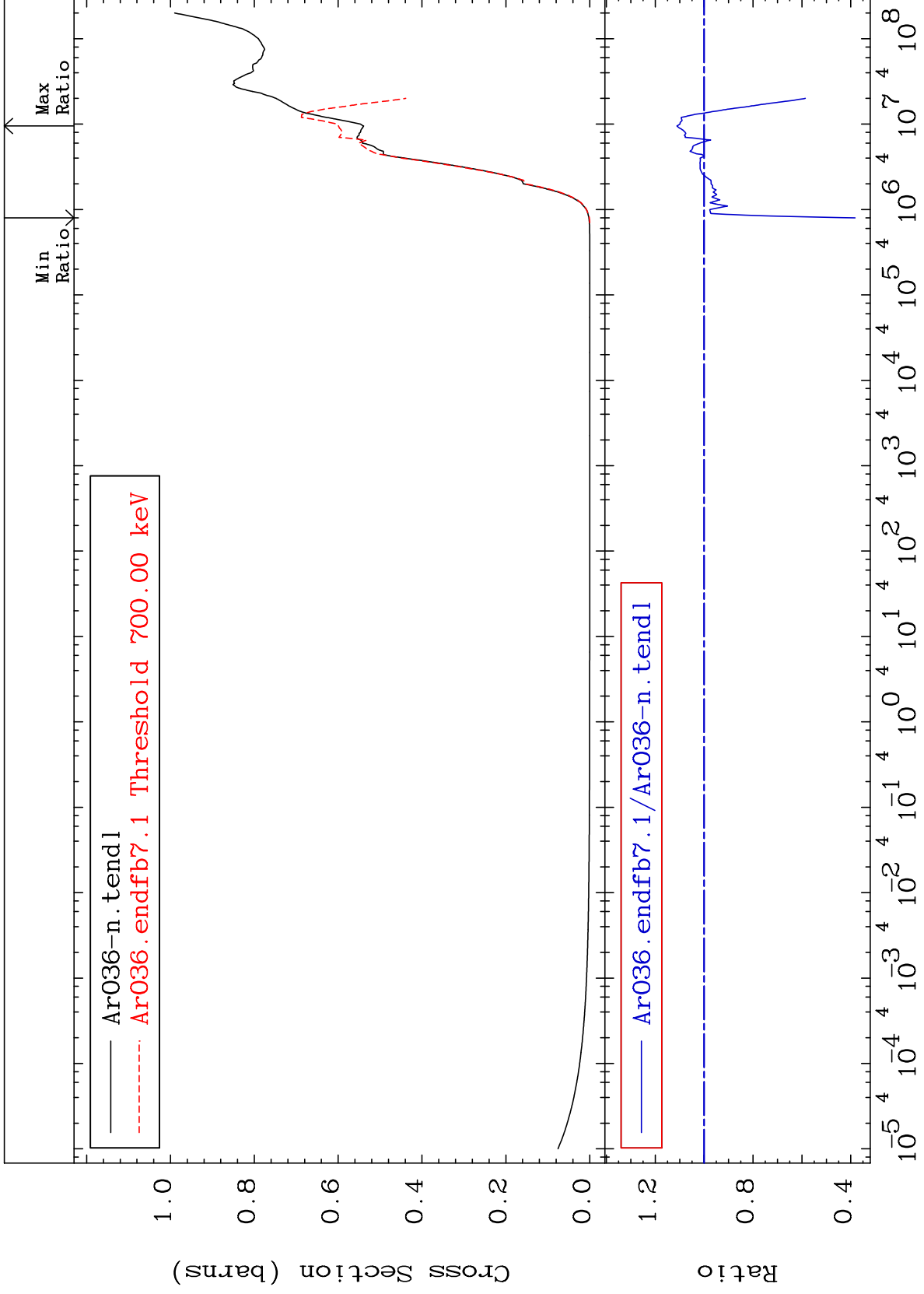
16.52 To 9999. %



MAT 1825

### Hydrogen Production Cross Section

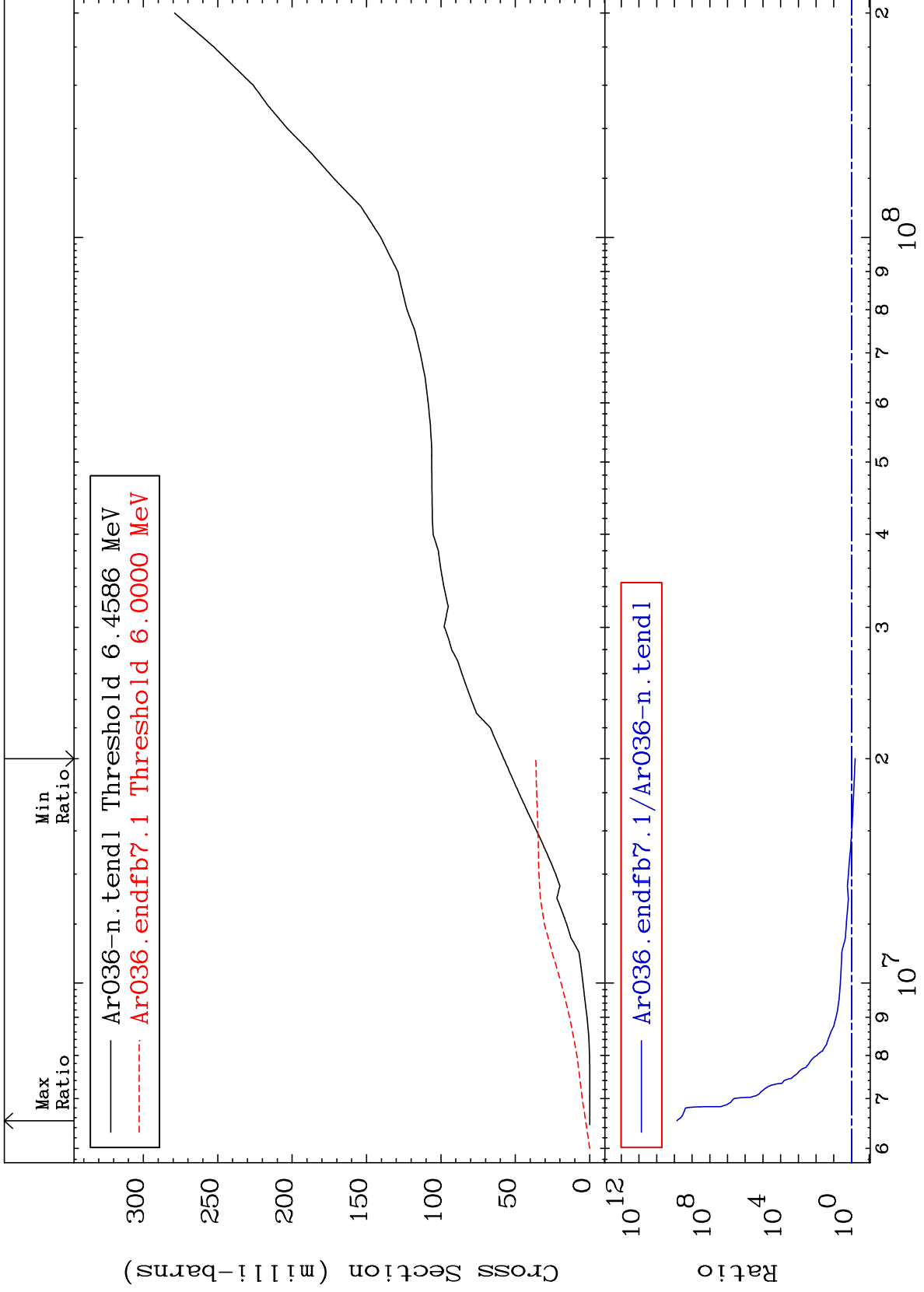
18-Ar-36  
-61.74 To 11.14 %



MAT 1825

Deuterium Production  
Cross Section

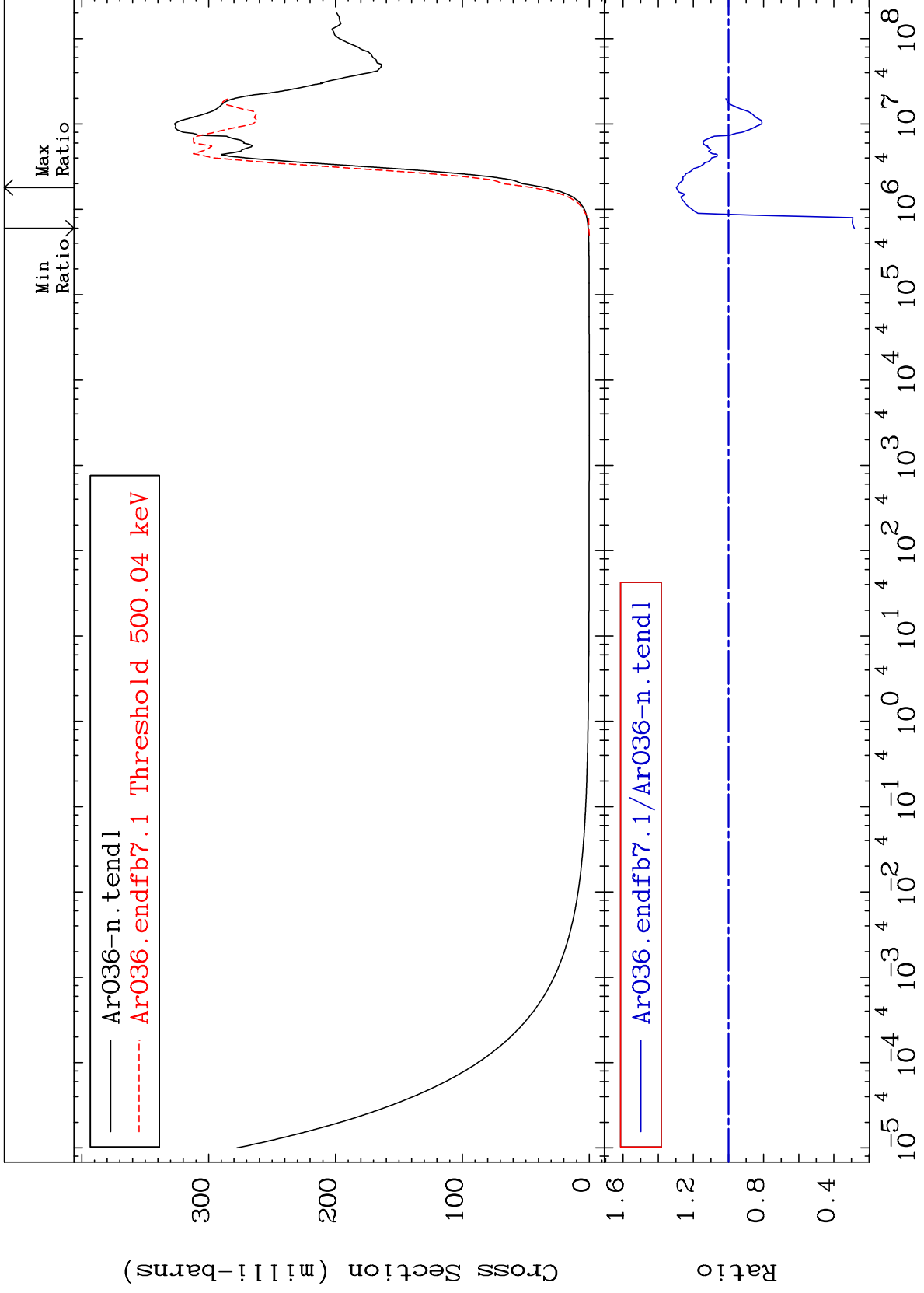
18-Ar-36  
-37.38 To 9999. %



MAT 1825

He-4 Production  
Cross Section

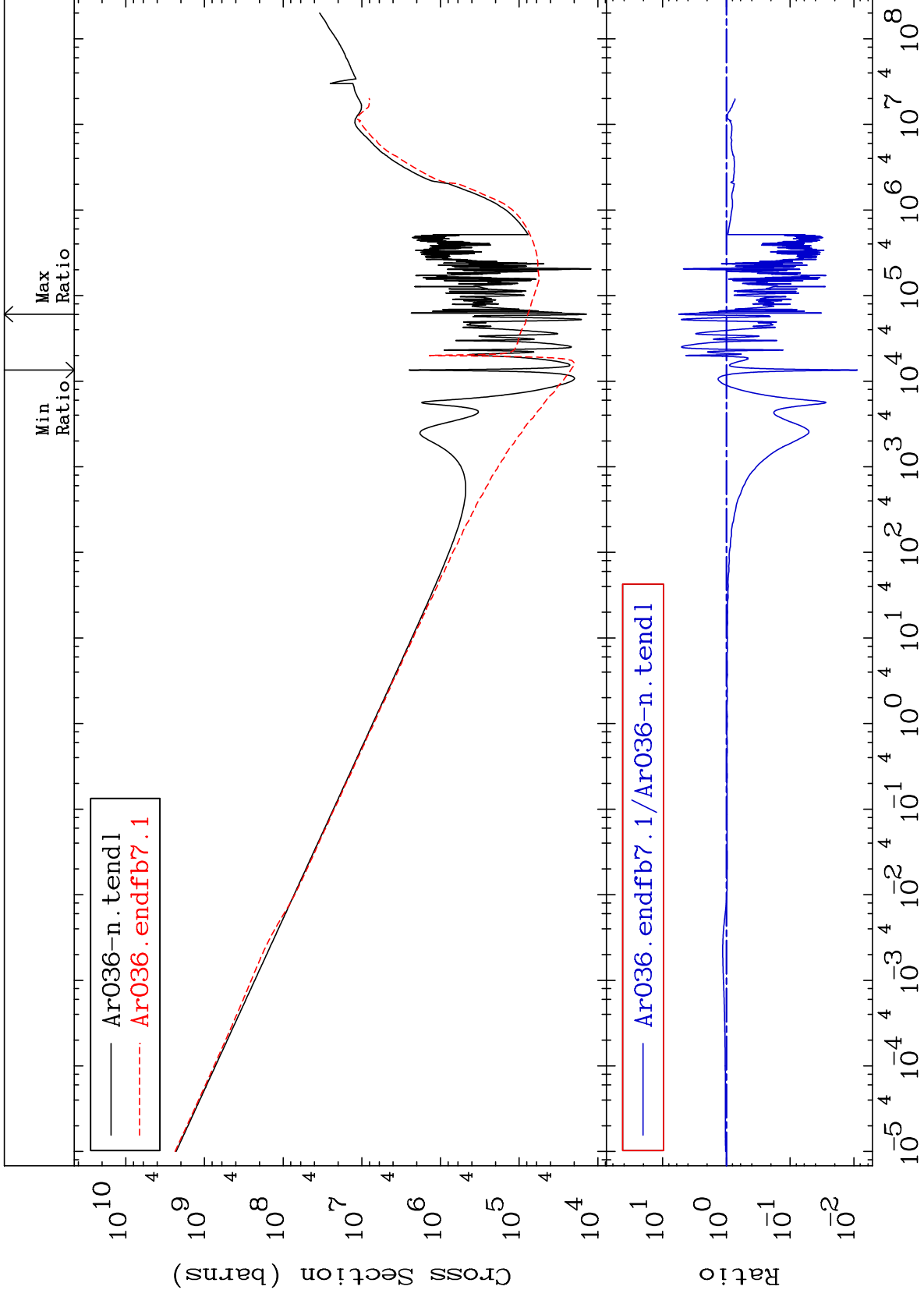
18-Ar-36  
-71.66 To 29.70 %

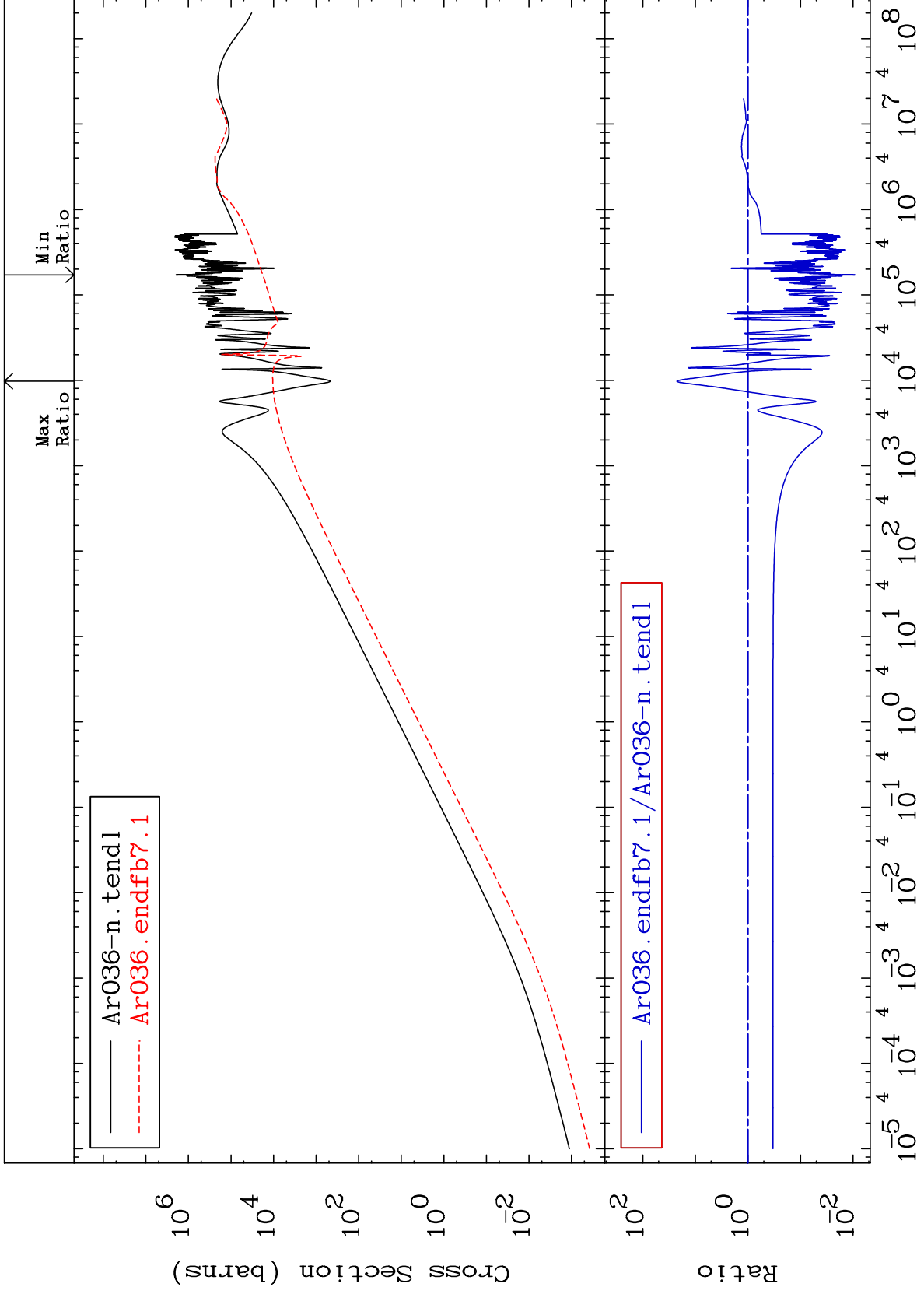


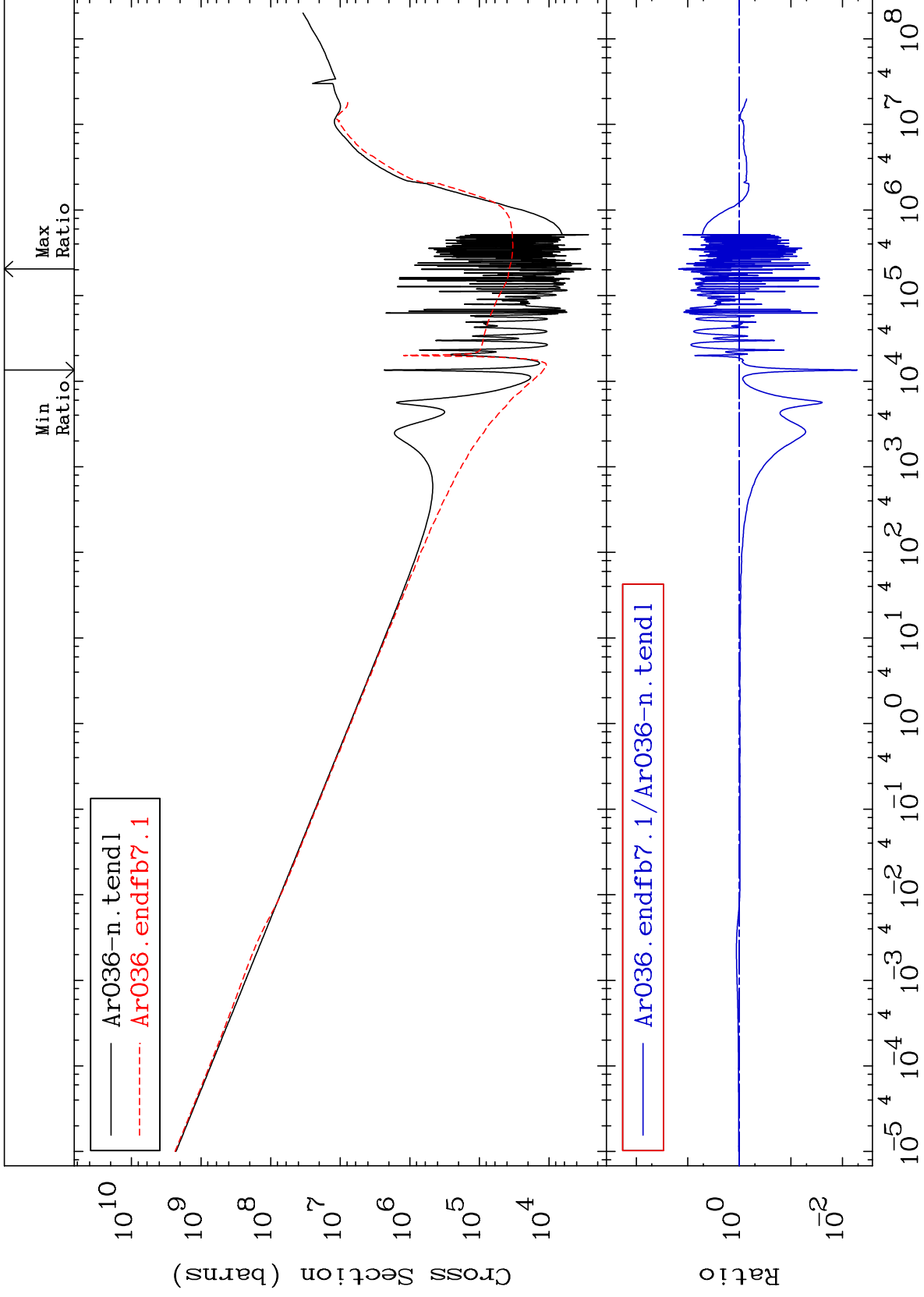
29

Incident Energy (eV)

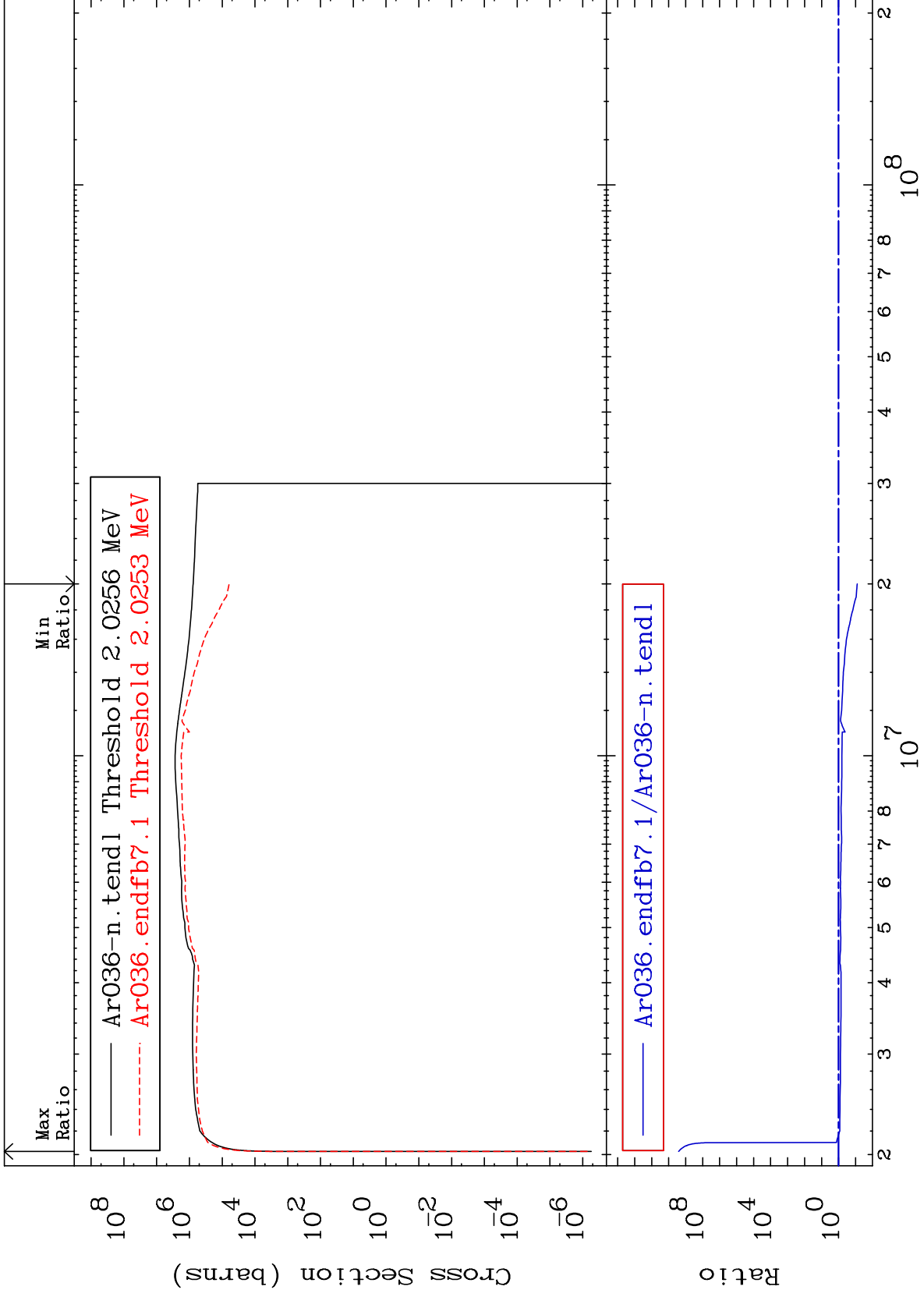
18-Ar-36

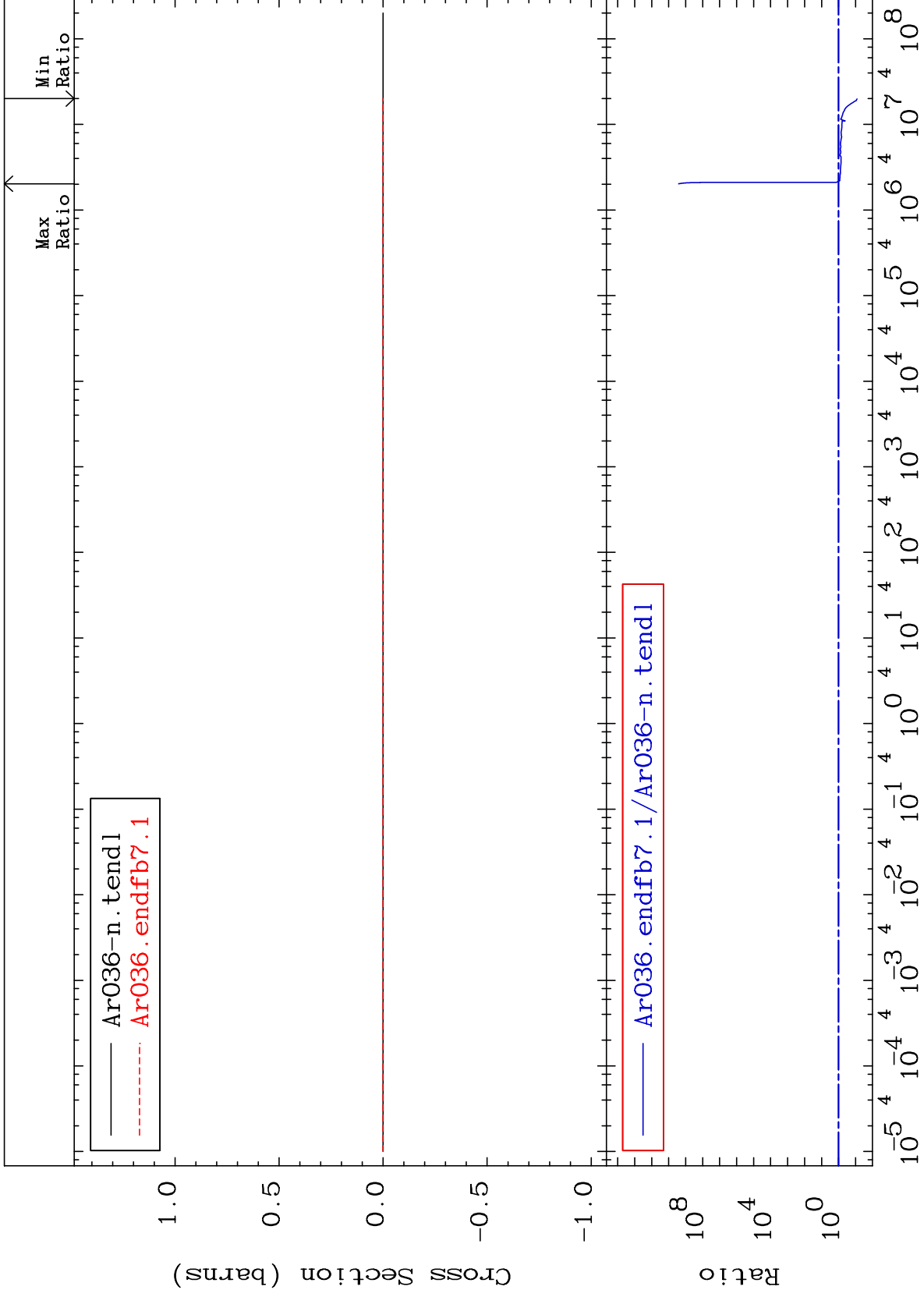








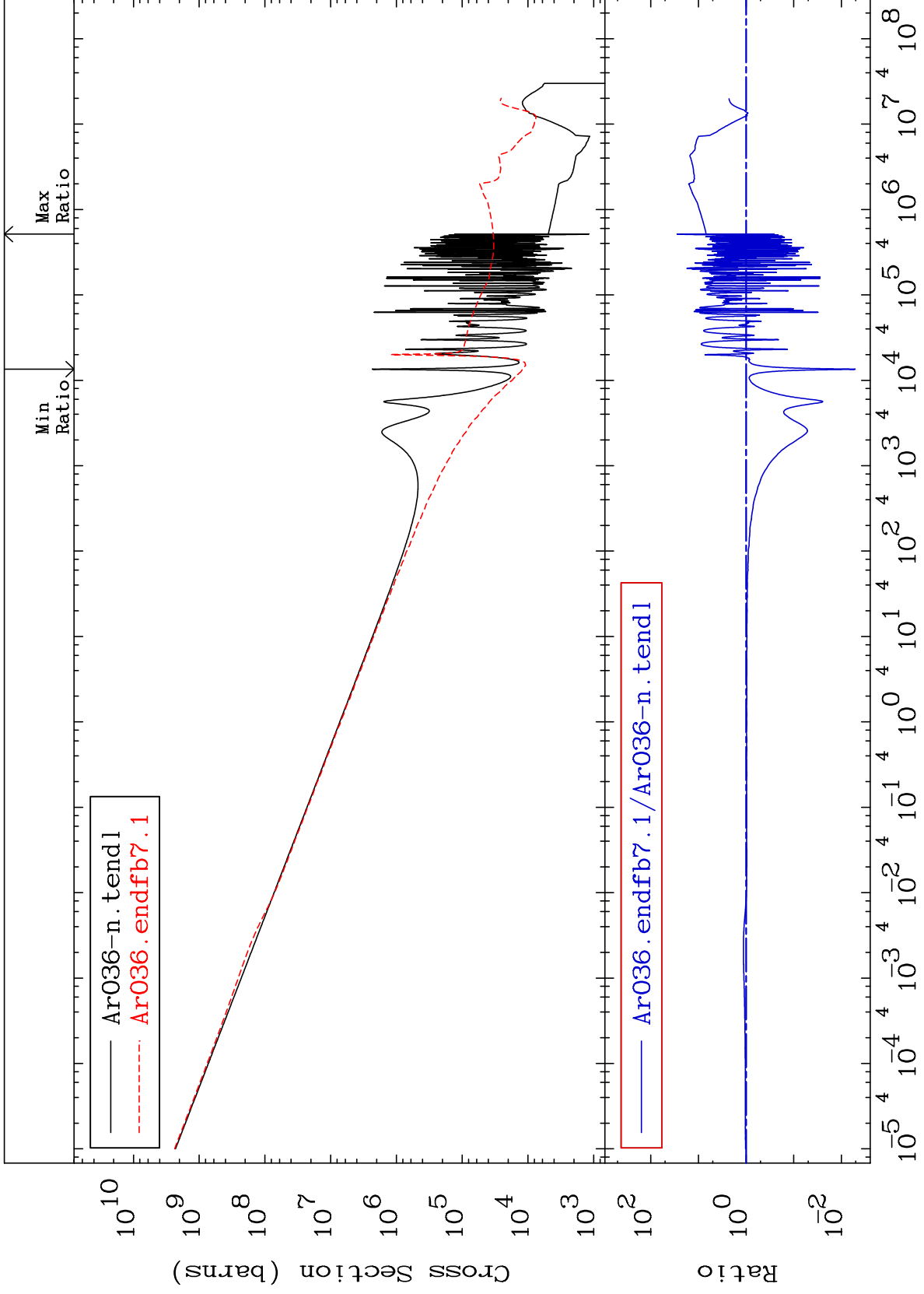




MAT 1825

Kerma capture (mt102)  
Cross Section

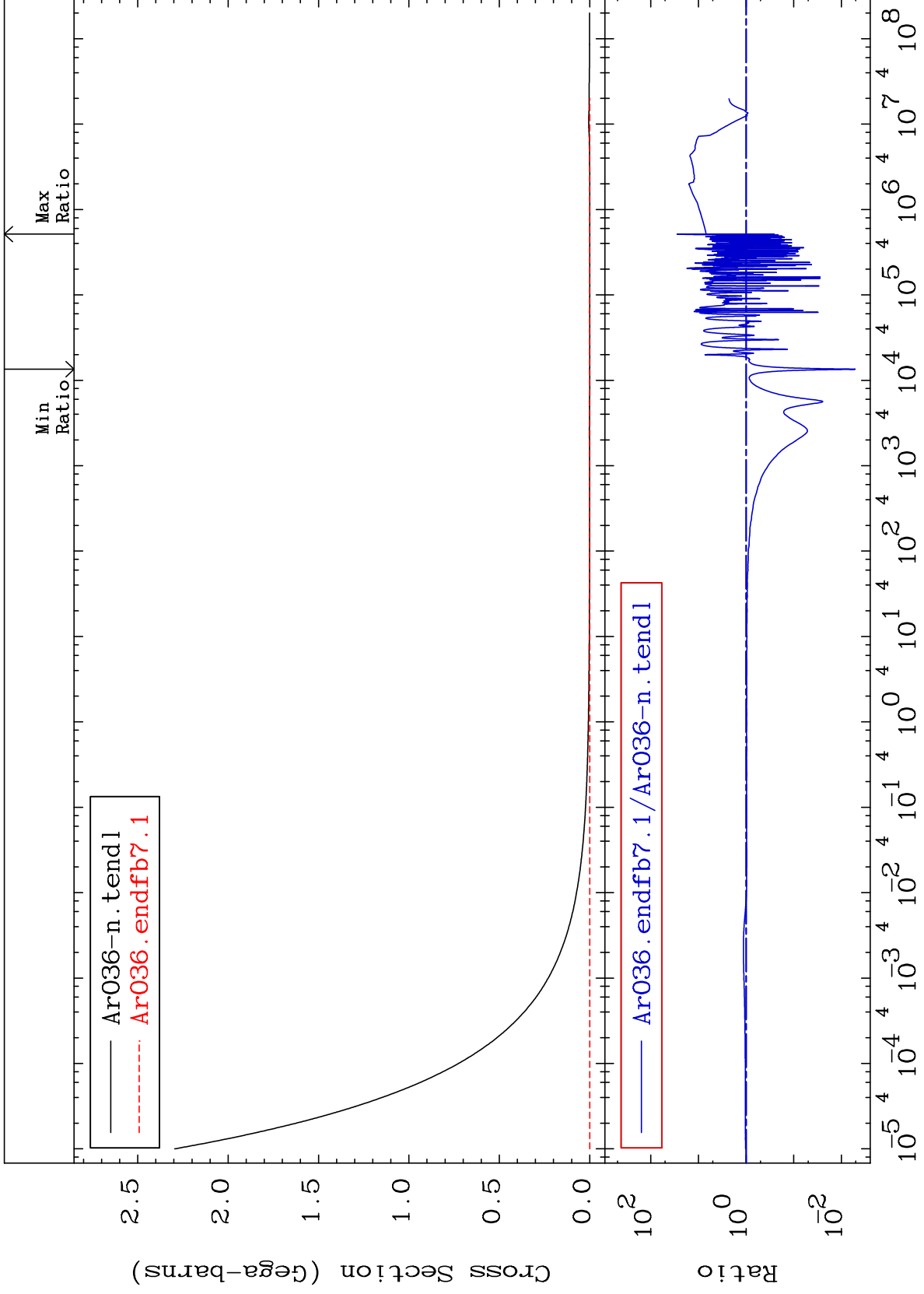
18-Ar-36  
-99.48 To 2726. %



Incident Energy (eV)

18-Ar-36

35



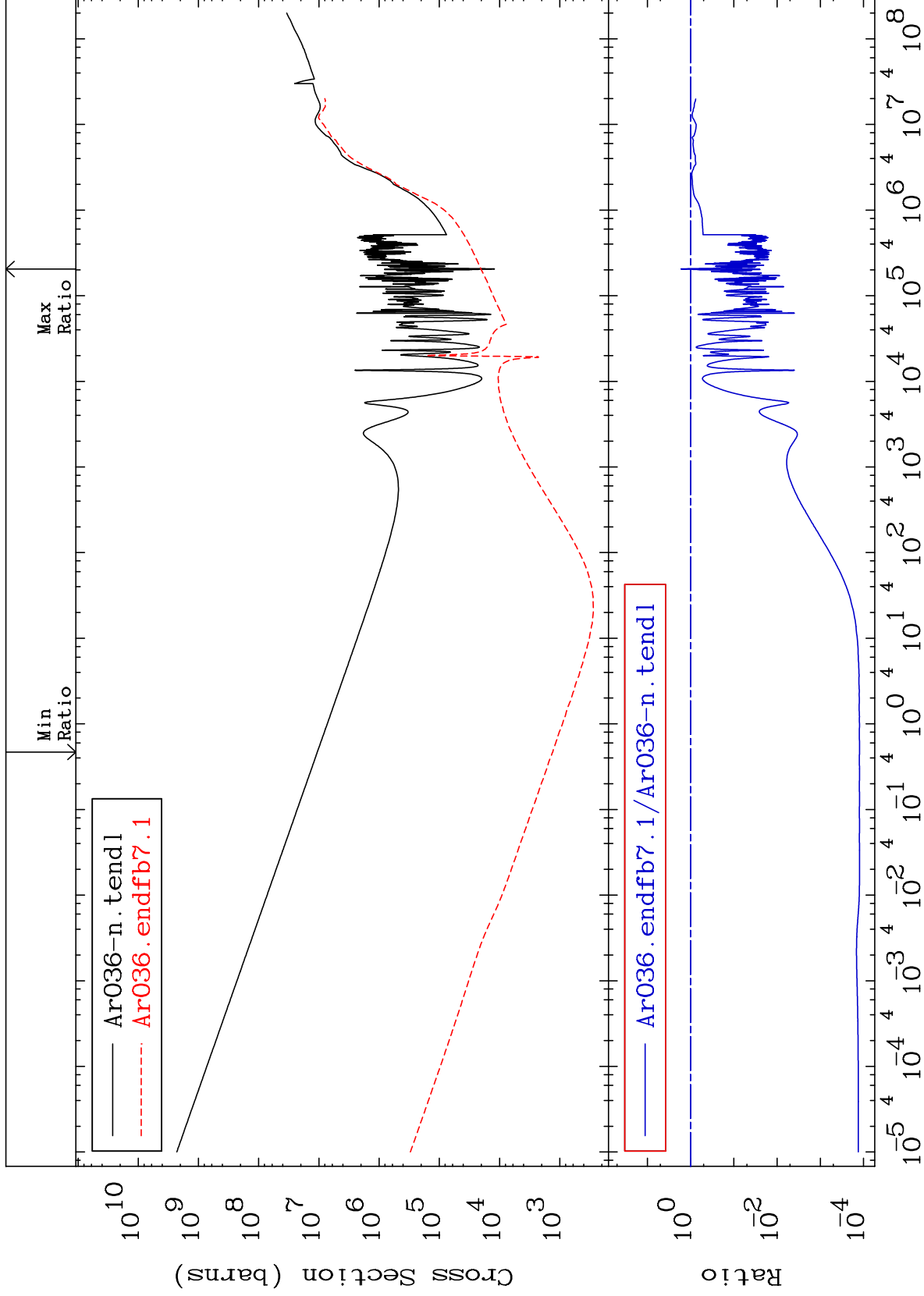
MAT 1825

Total kinematic kerma (high limit)

18-Ar-36

Cross Section

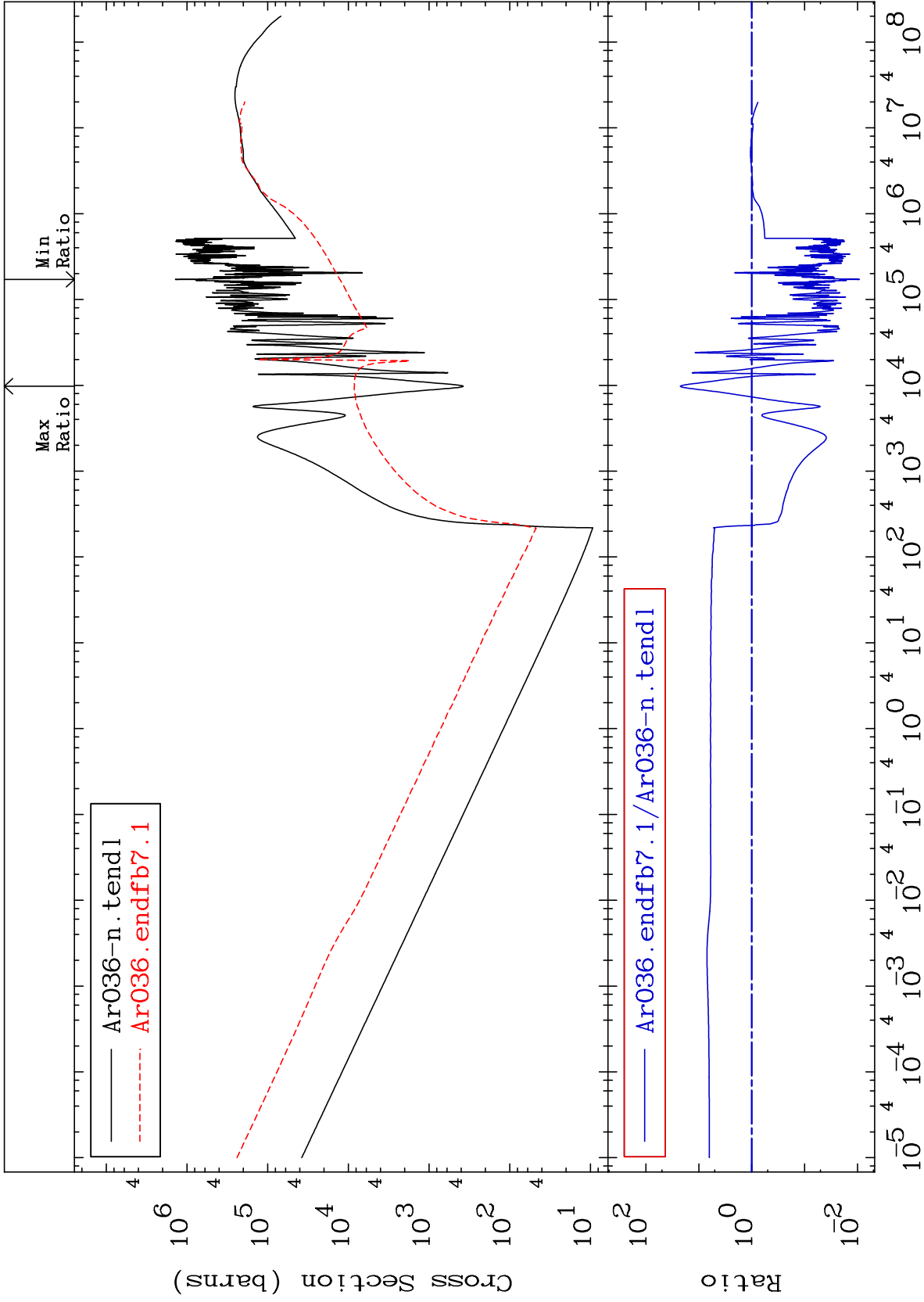
-99.99 To 68.62 %

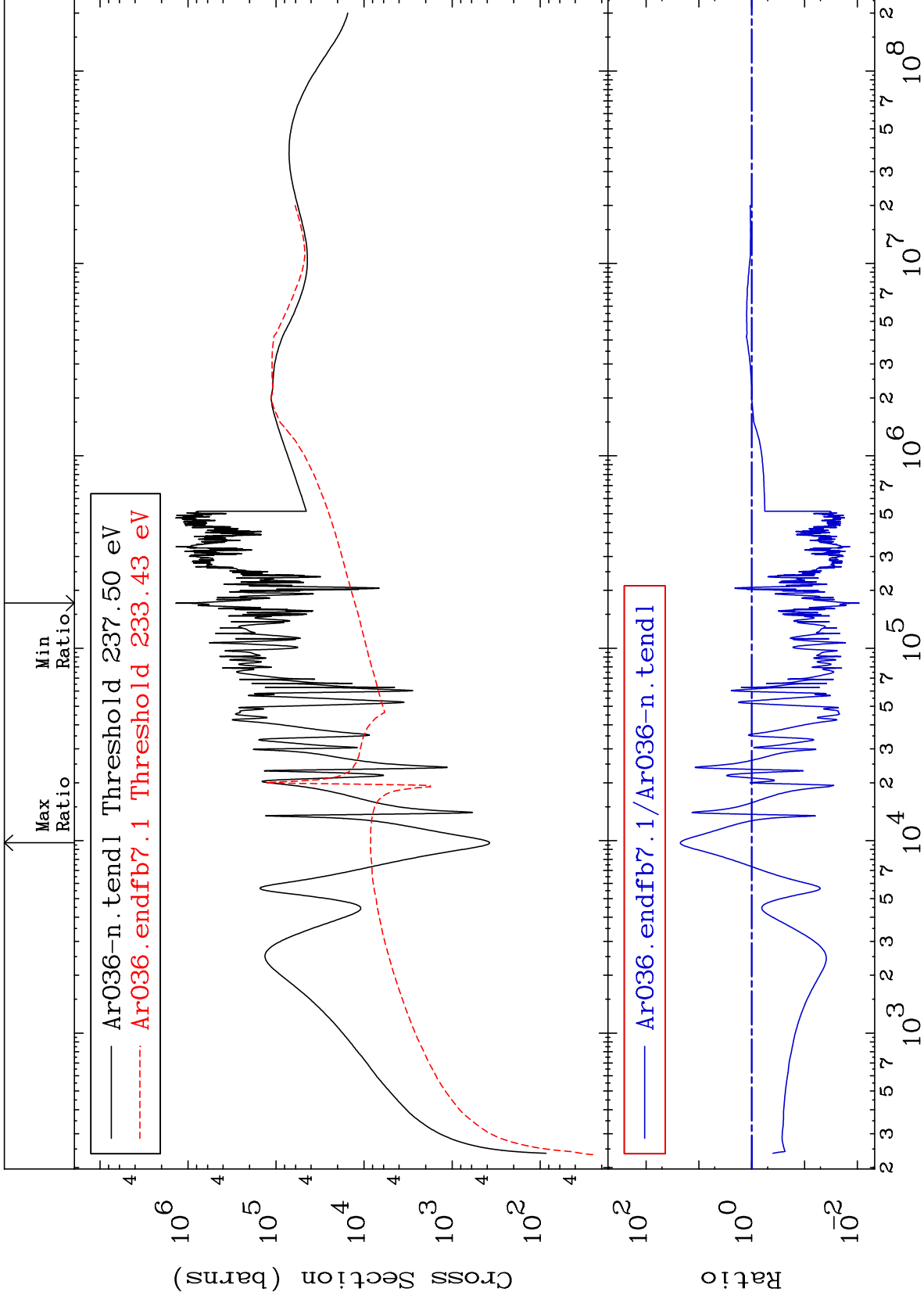


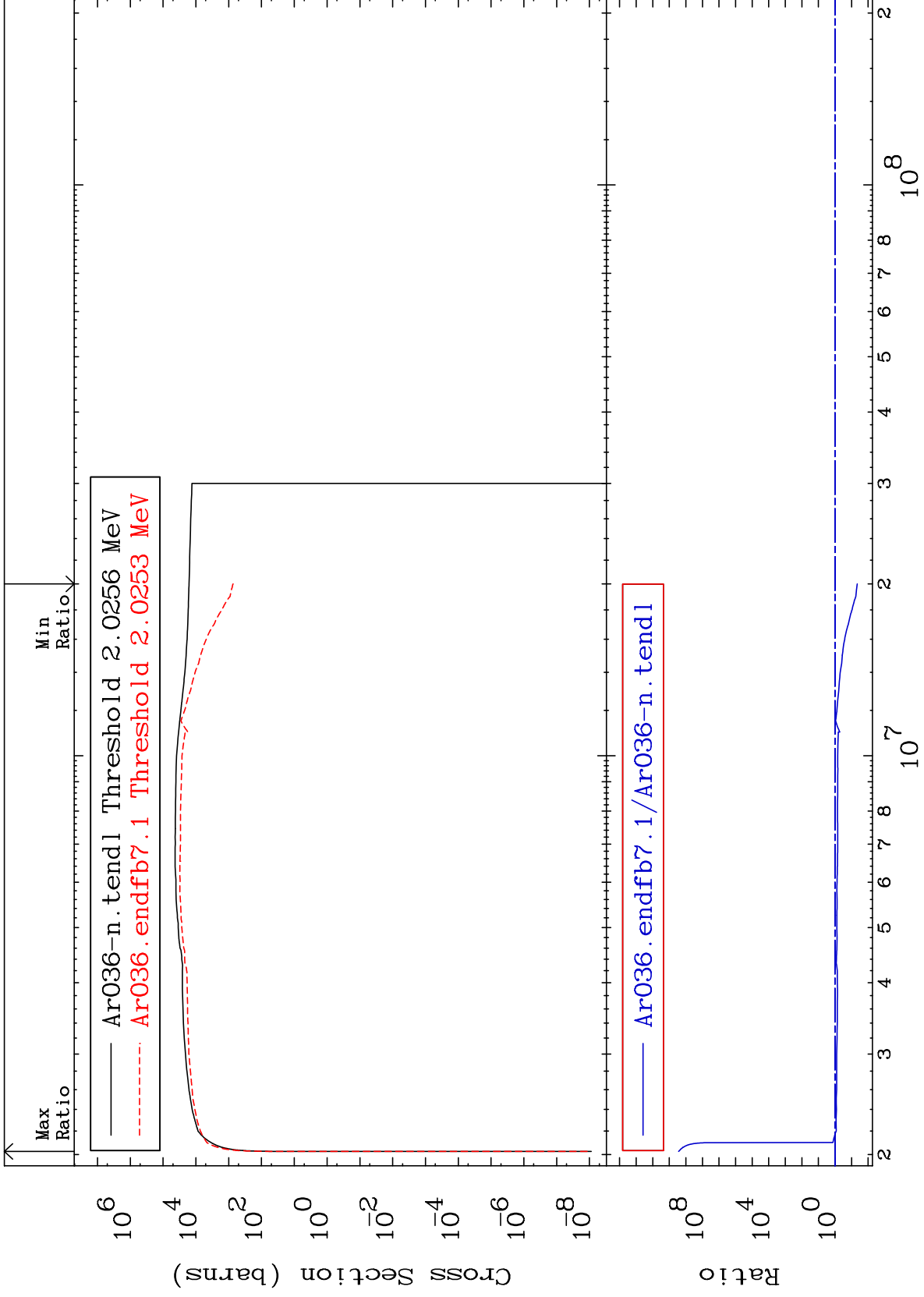
37

Incident Energy (eV)

18-Ar-36









MAT 1825

Dpa disappearance (mt102 -120)  
Cross Section

18-Ar-36  
-95.53 To 6084. %

