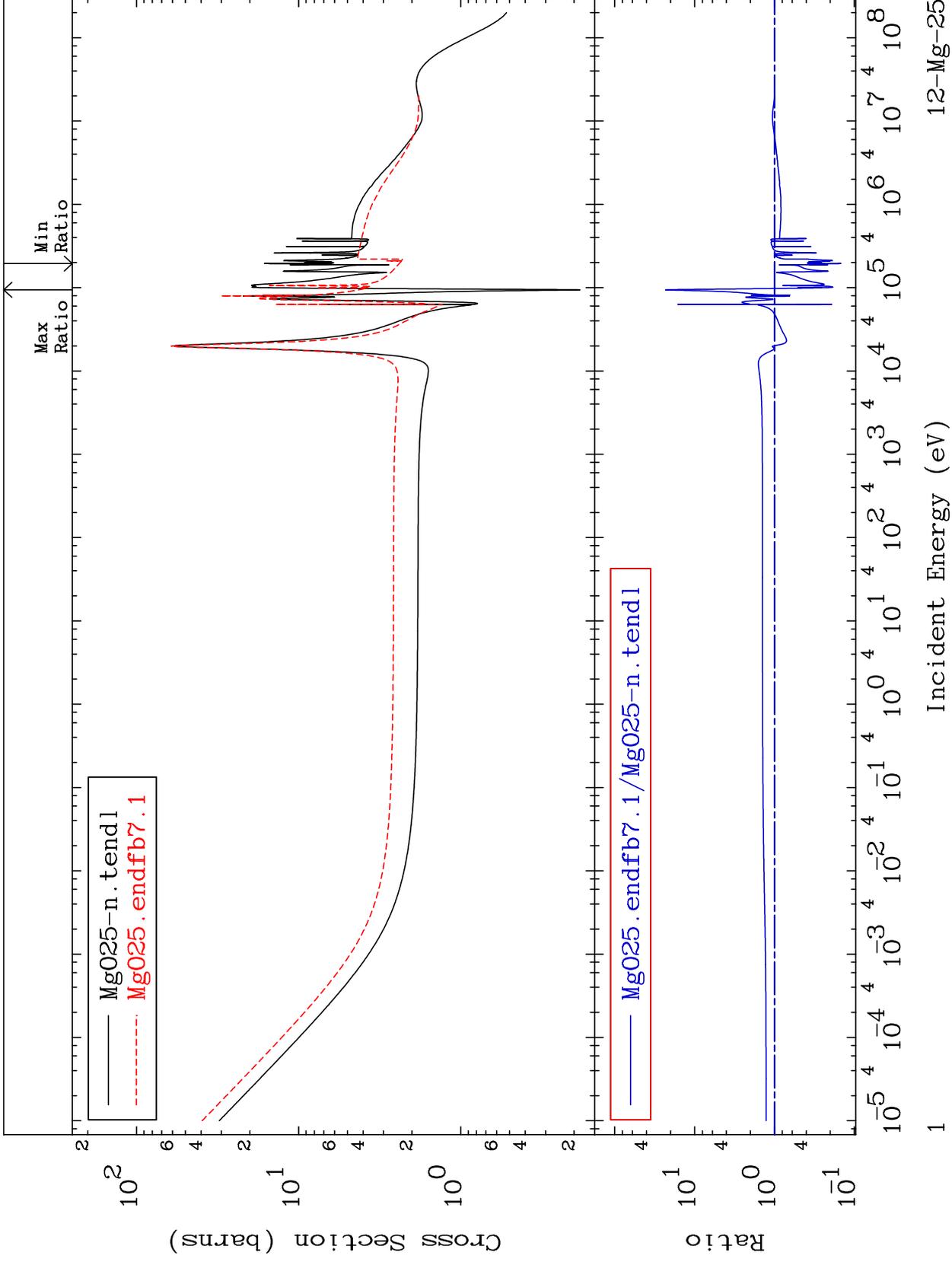


MAT 1228

Total  
Cross Section

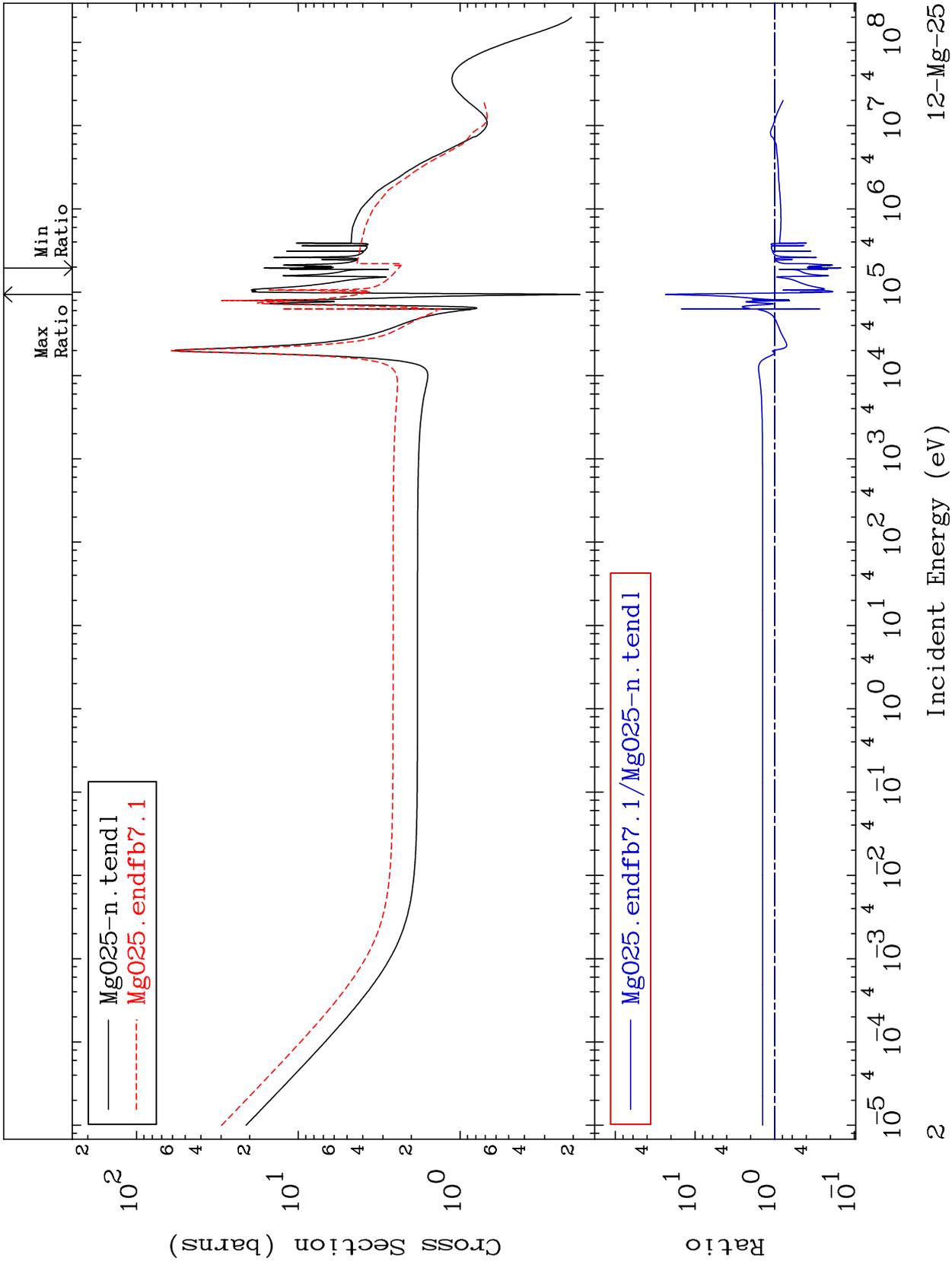
12-Mg-25  
-85.23 To 2213. %



MAT 1228

Elastic  
Cross Section

12-Mg-25  
-85.23 To 2245. %



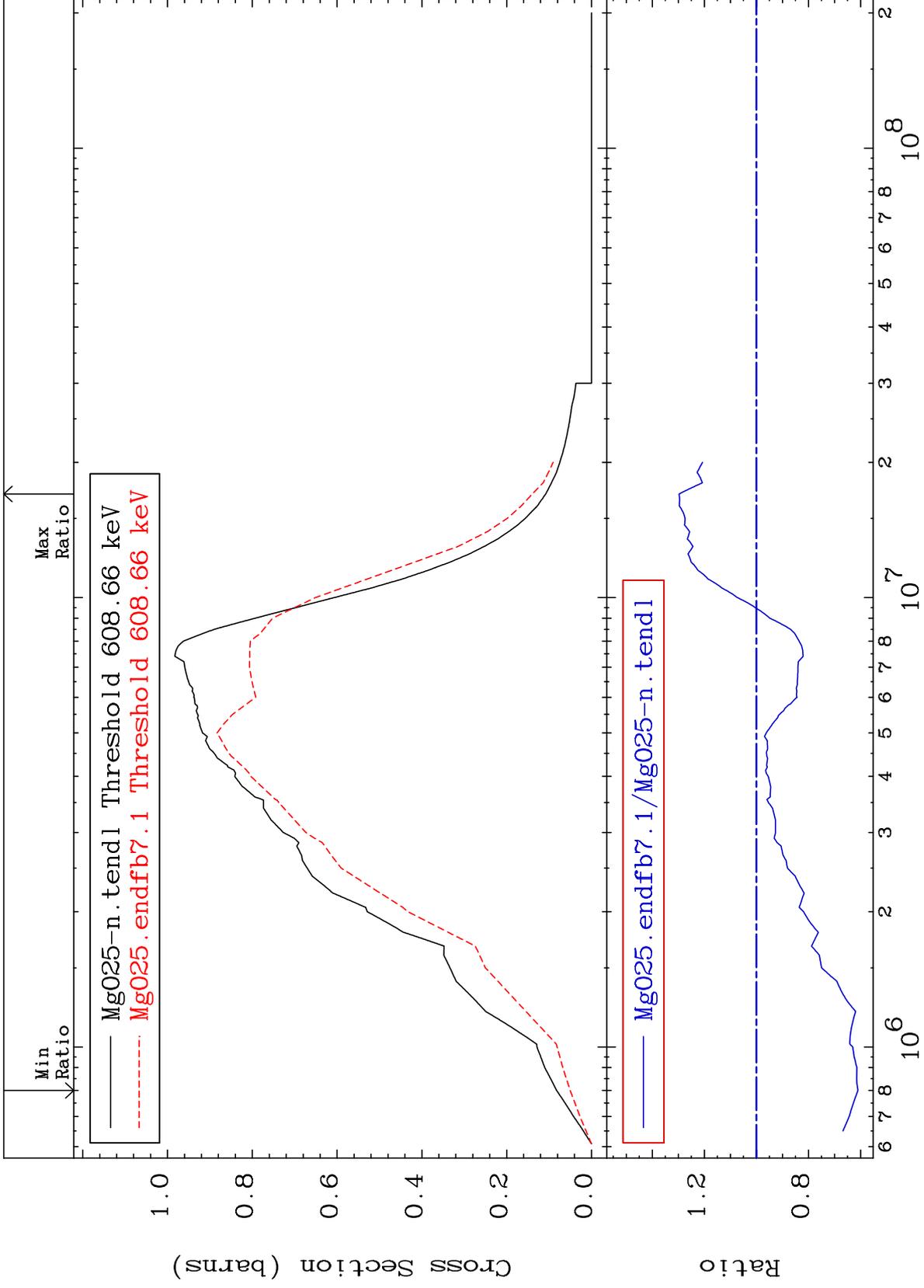
Incident Energy (eV)

12-Mg-25

MAT 1228

Inelastic  
Cross Section

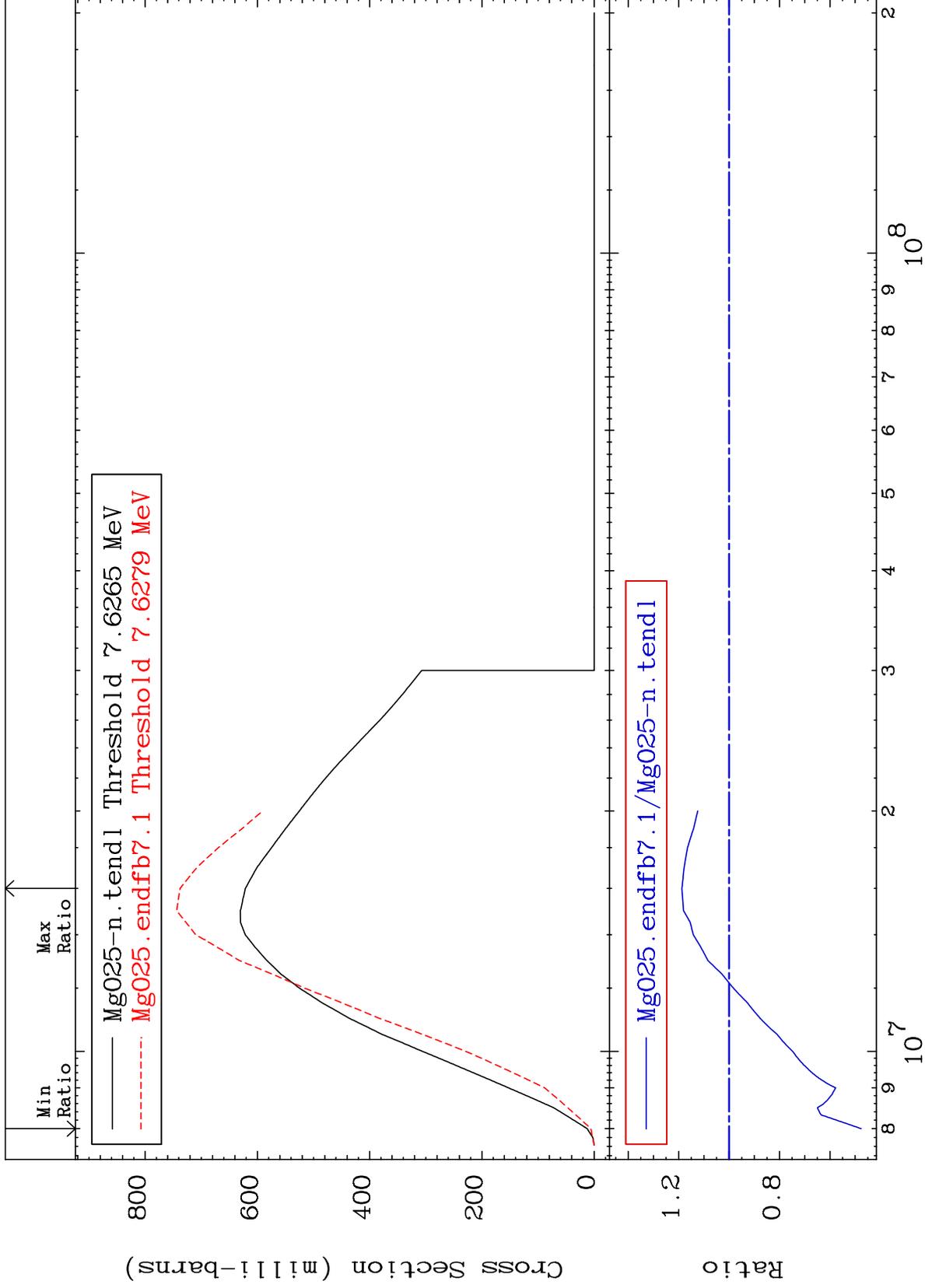
12-Mg-25  
-38.99 To 29.71 %



MAT 1228

(n,2n)  
Cross Section

12-Mg-25  
-52.37 To 18.72 %



4

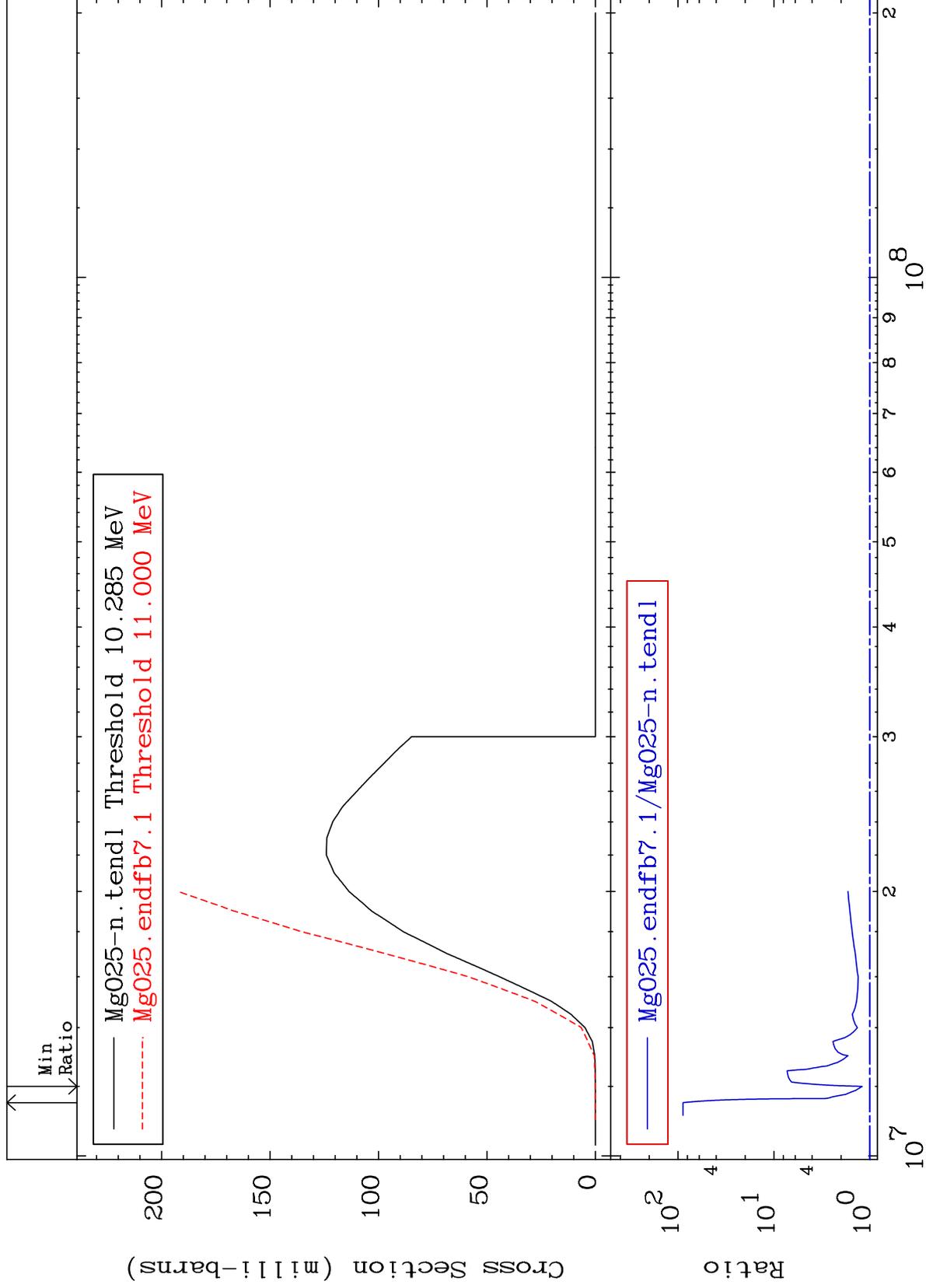
Incident Energy (eV)

12-Mg-25

MAT 1228

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

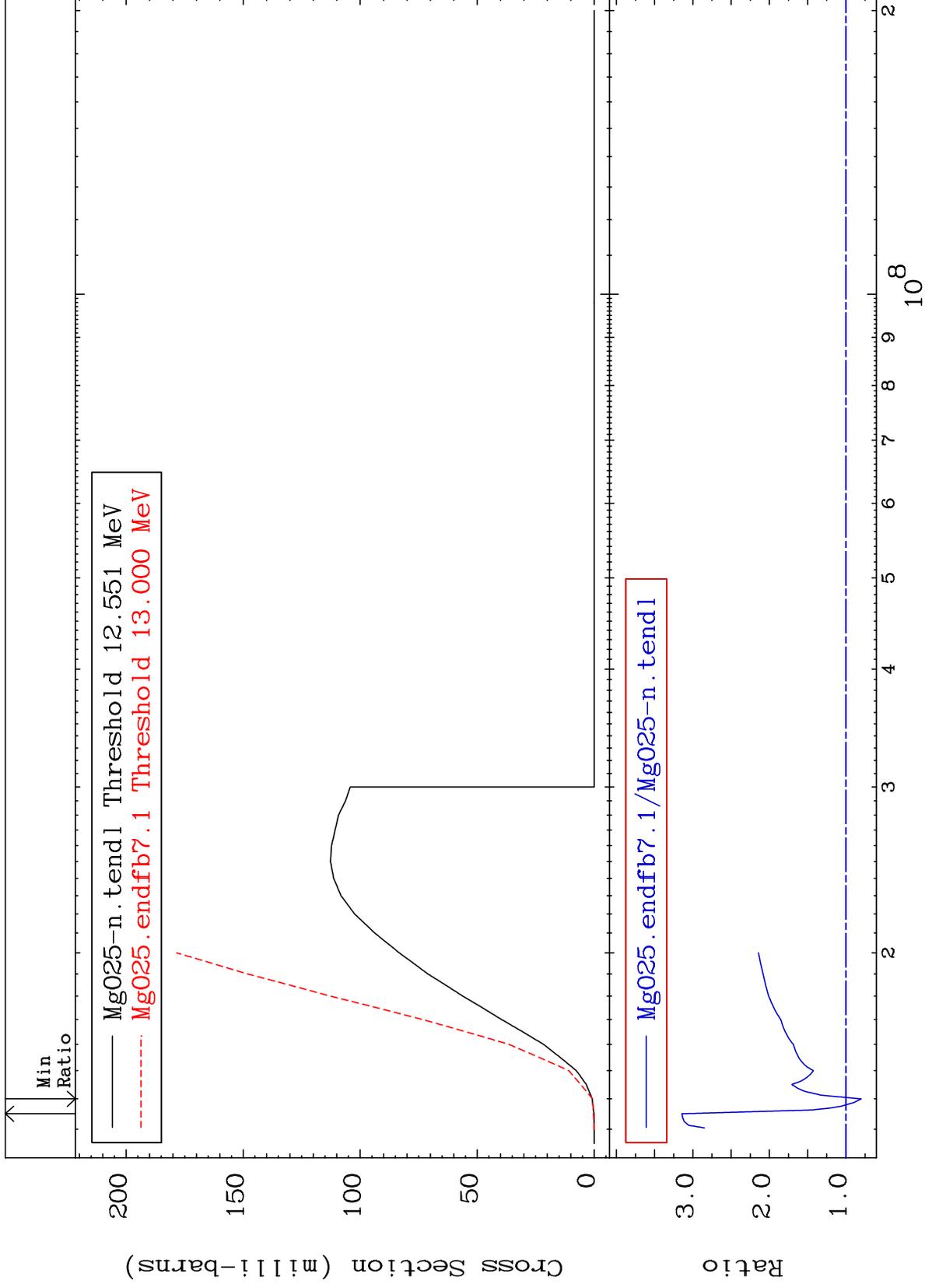
12-Mg-25  
20.35 To 8777. %



MAT 1228

(n,n') p  
Cross Section

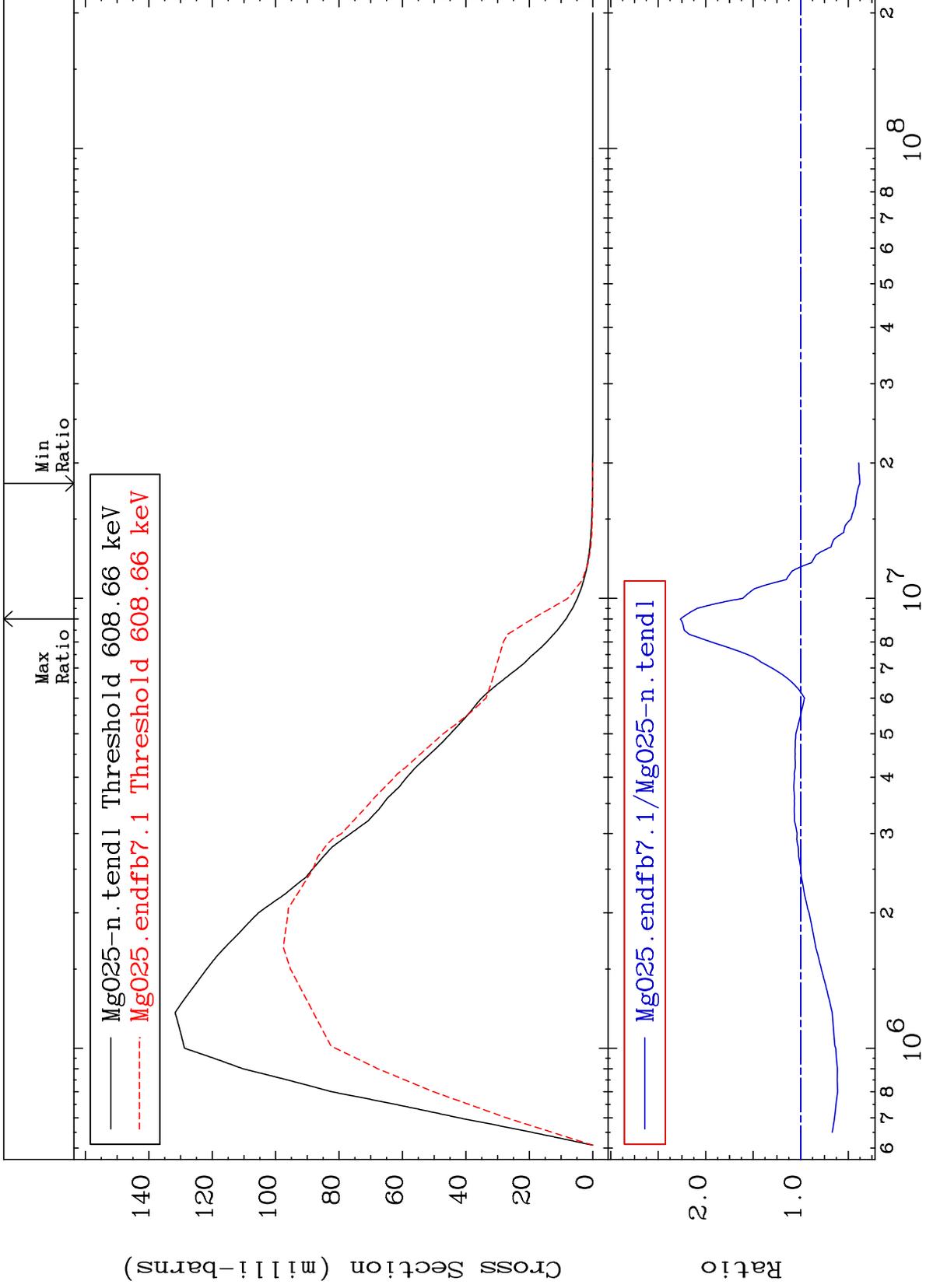
12-Mg-25  
-19.88 To 214.3 %



MAT 1228

585.0 keV (n,n') Level  
Cross Section

12-Mg-25  
-62.18 To 126.5 %



7

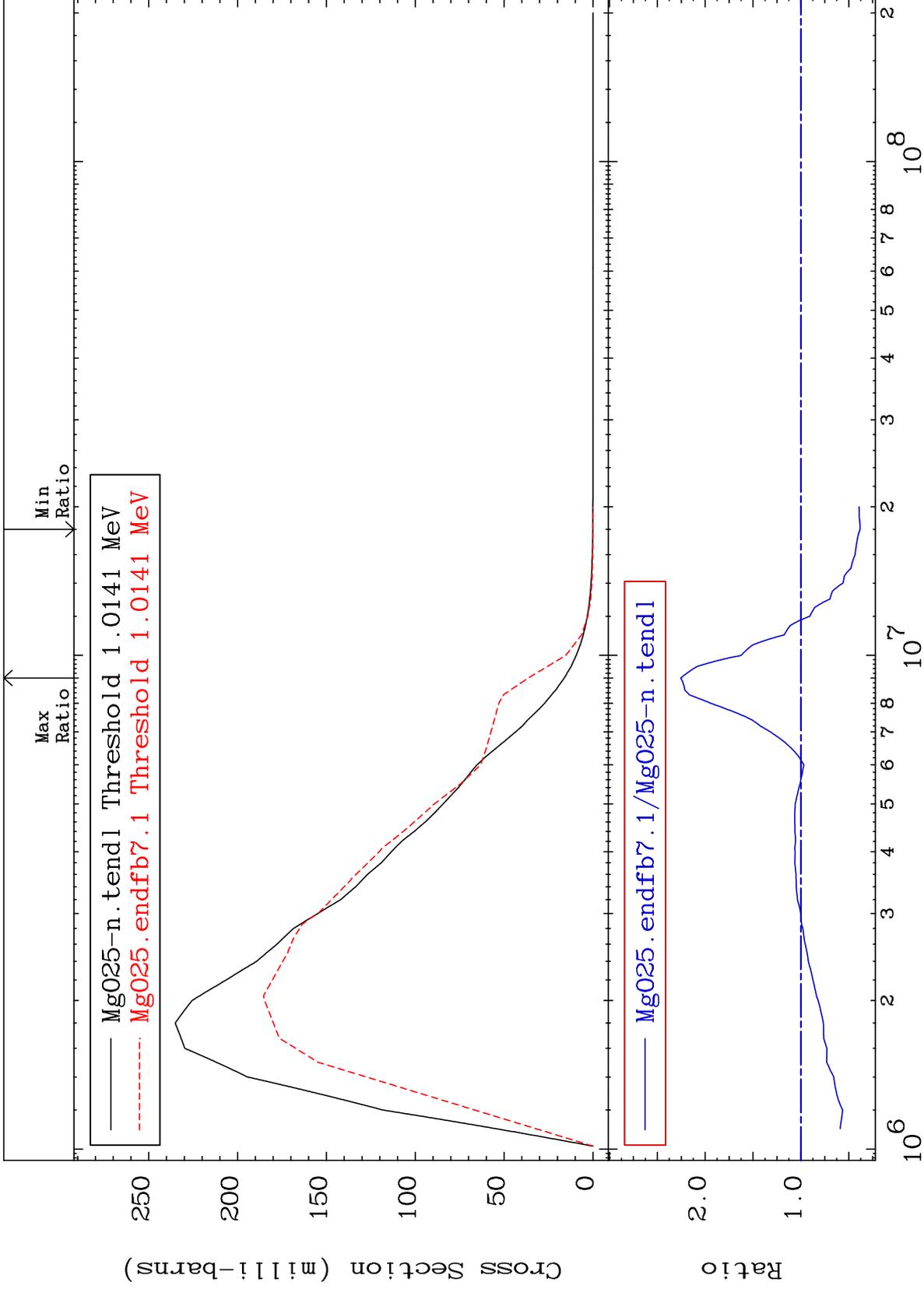
Incident Energy (eV)

12-Mg-25

MAT 1228

974.8 keV (n,n') Level  
Cross Section

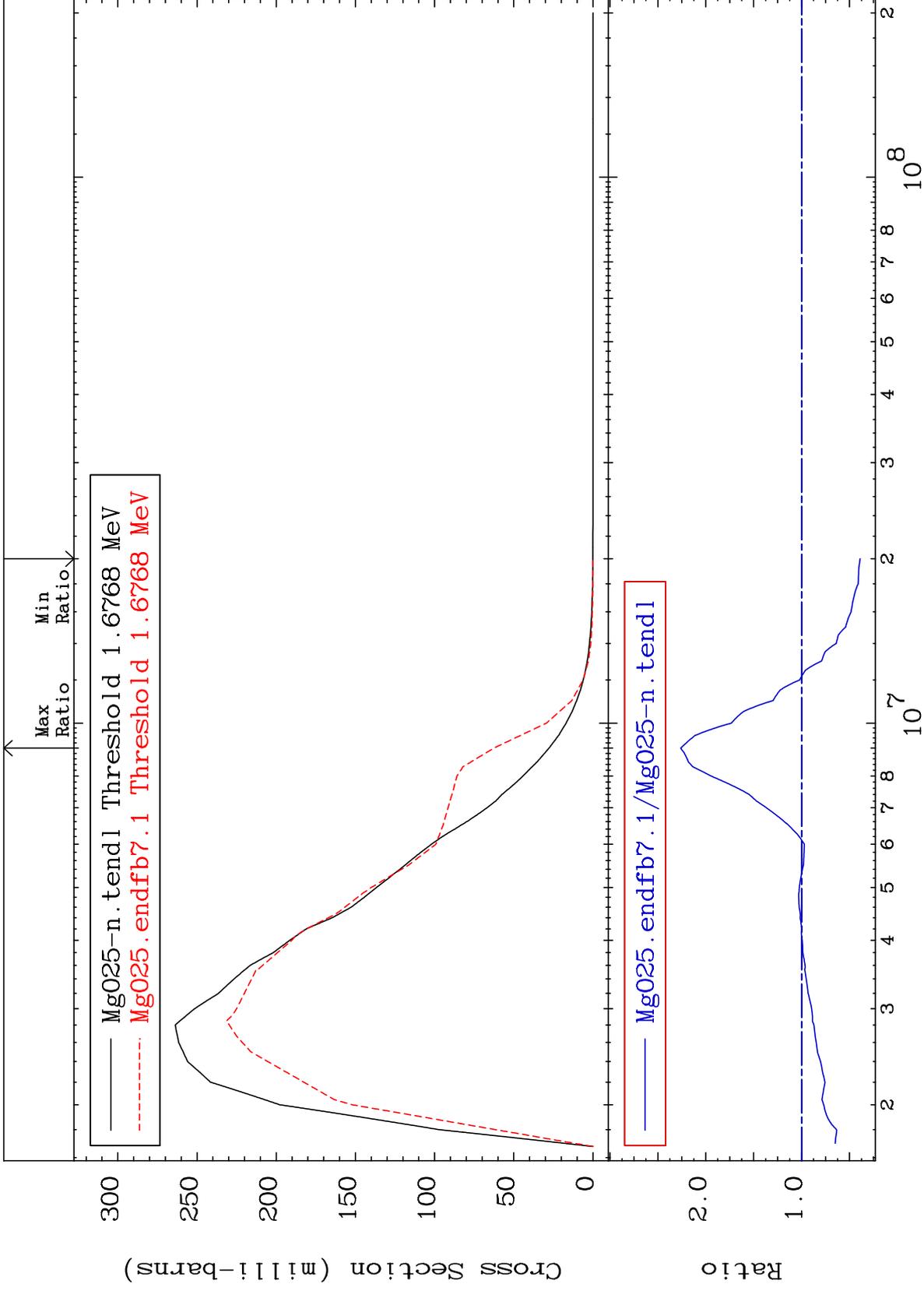
12-Mg-25  
-61.86 To 125.5 %



MAT 1228

1.612 MeV (n,n') Level  
Cross Section

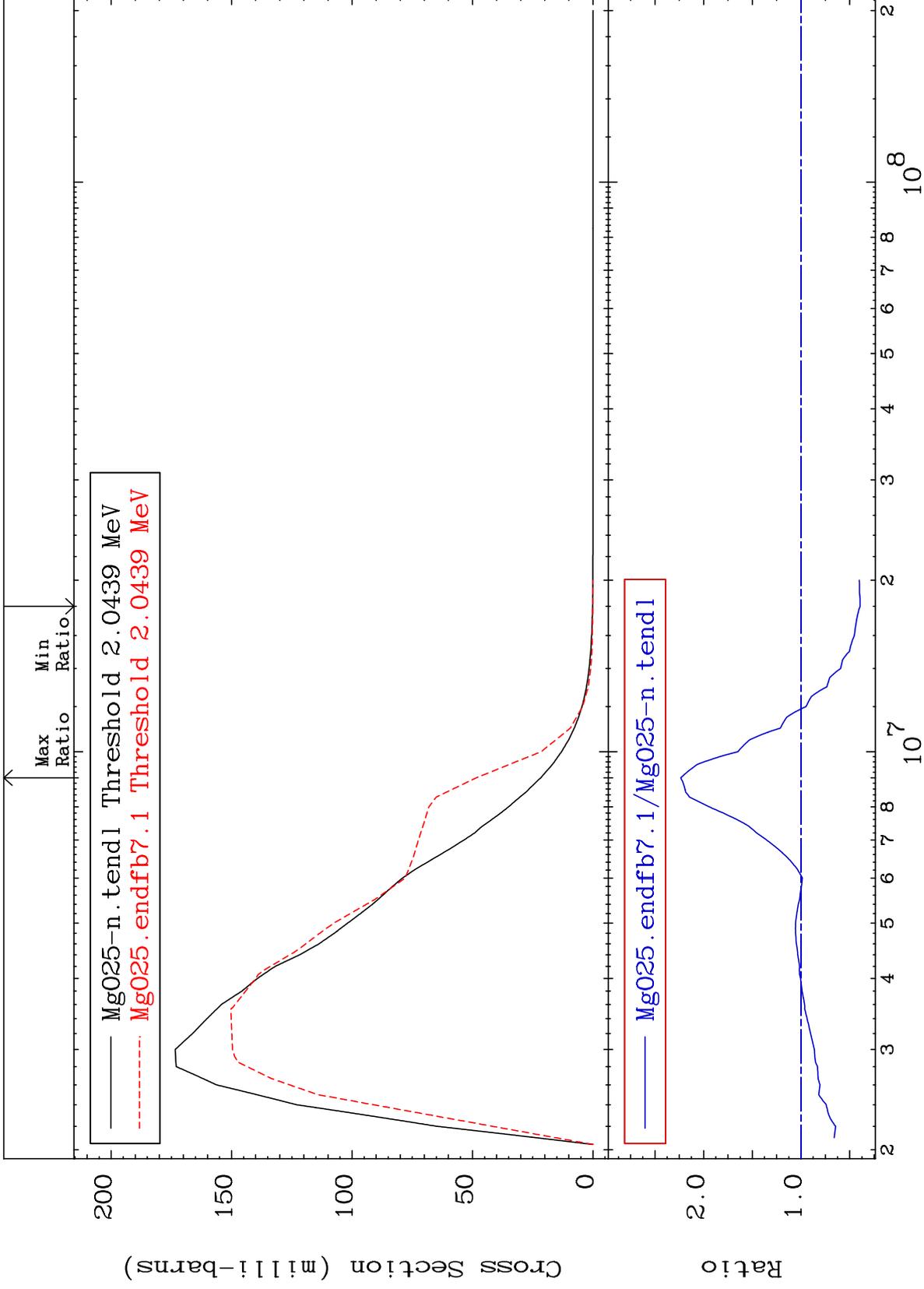
12-Mg-25  
-61.08 To 126.1 %



MAT 1228

1.965 MeV (n,n') Level  
Cross Section

12-Mg-25  
-60.67 To 123.5 %



10

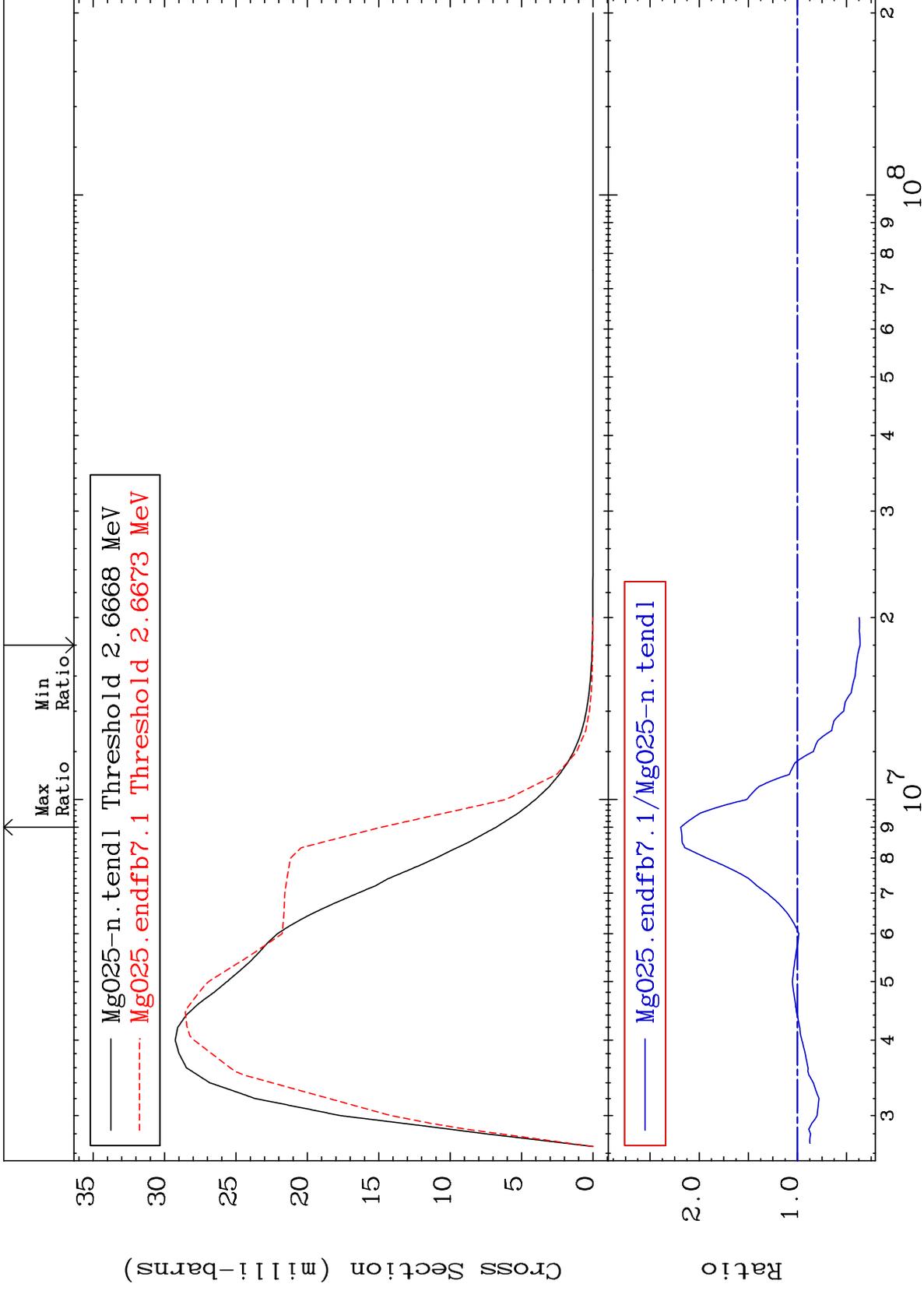
Incident Energy (eV)

12-Mg-25

MAT 1228

2.563 MeV (n,n') Level  
Cross Section

12-Mg-25  
-63.75 To 118.8 %



11

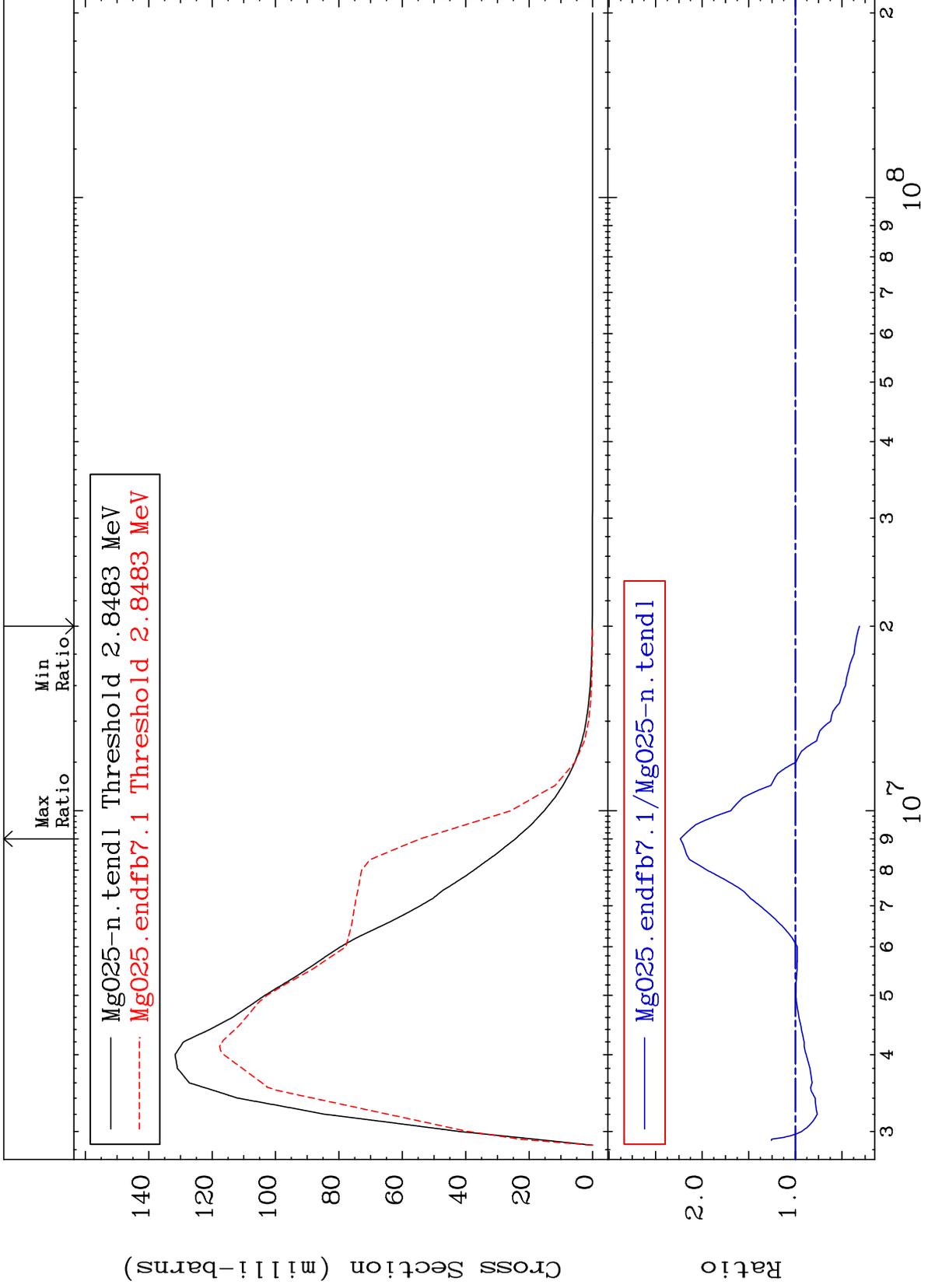
Incident Energy (eV)

12-Mg-25

MAT 1228

2.738 MeV (n,n') Level  
Cross Section

12-Mg-25  
-68.85 To 123.5 %



12

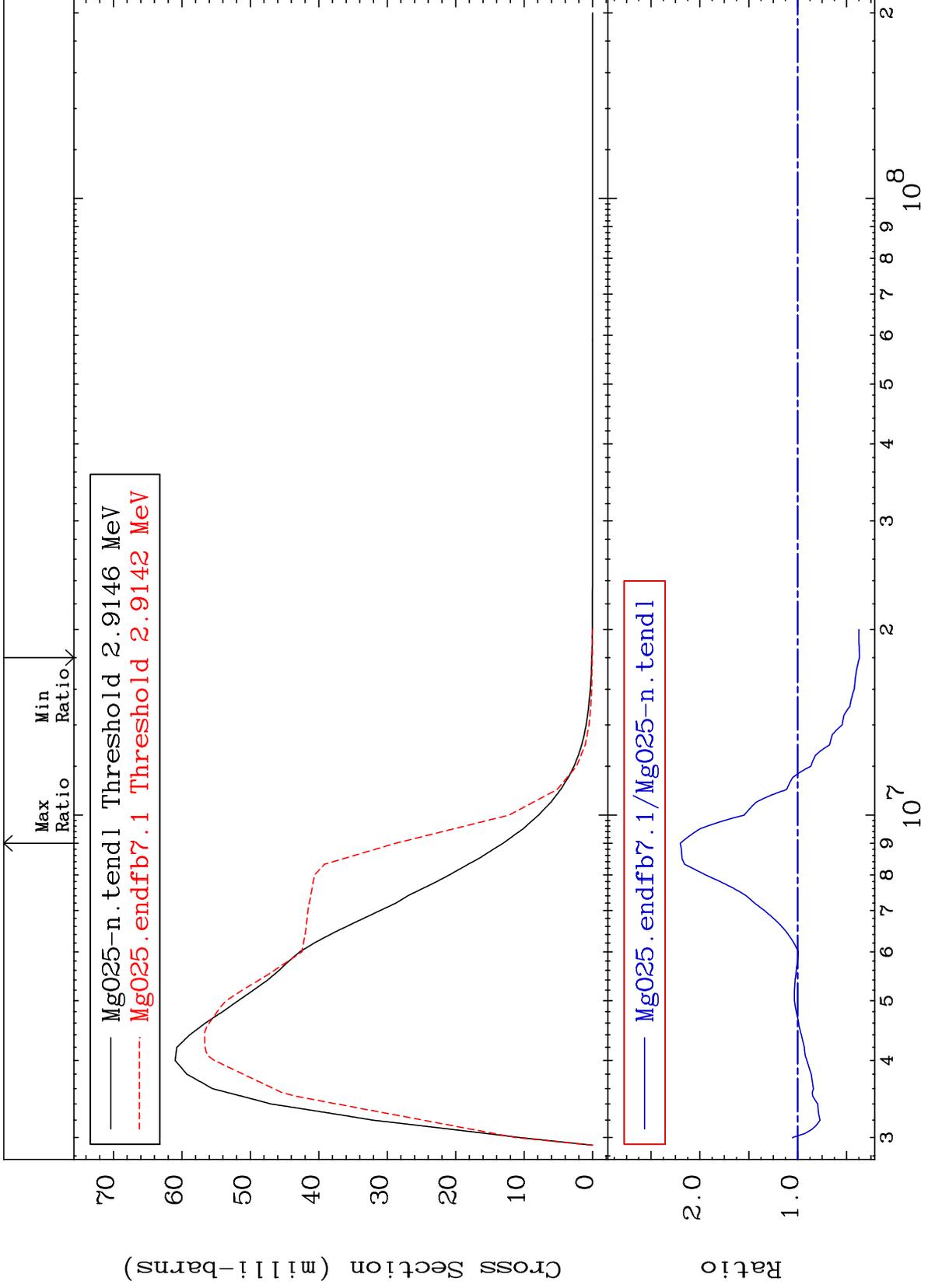
Incident Energy (eV)

12-Mg-25

MAT 1228

2.801 MeV (n,n') Level  
Cross Section

12-Mg-25  
-63.18 To 120.1 %



13

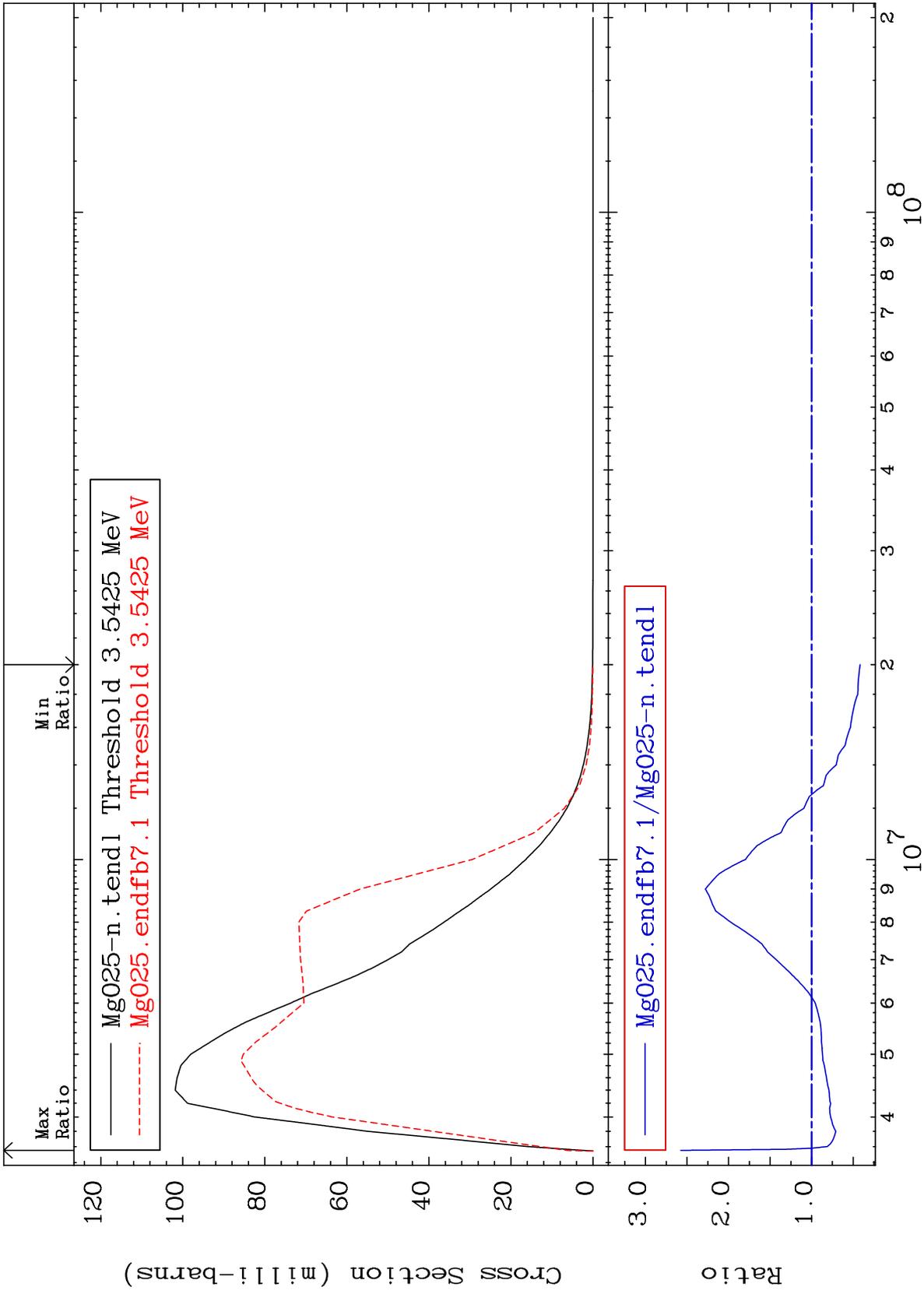
Incident Energy (eV)

12-Mg-25

MAT 1228

3.405 MeV (n,n') Level  
Cross Section

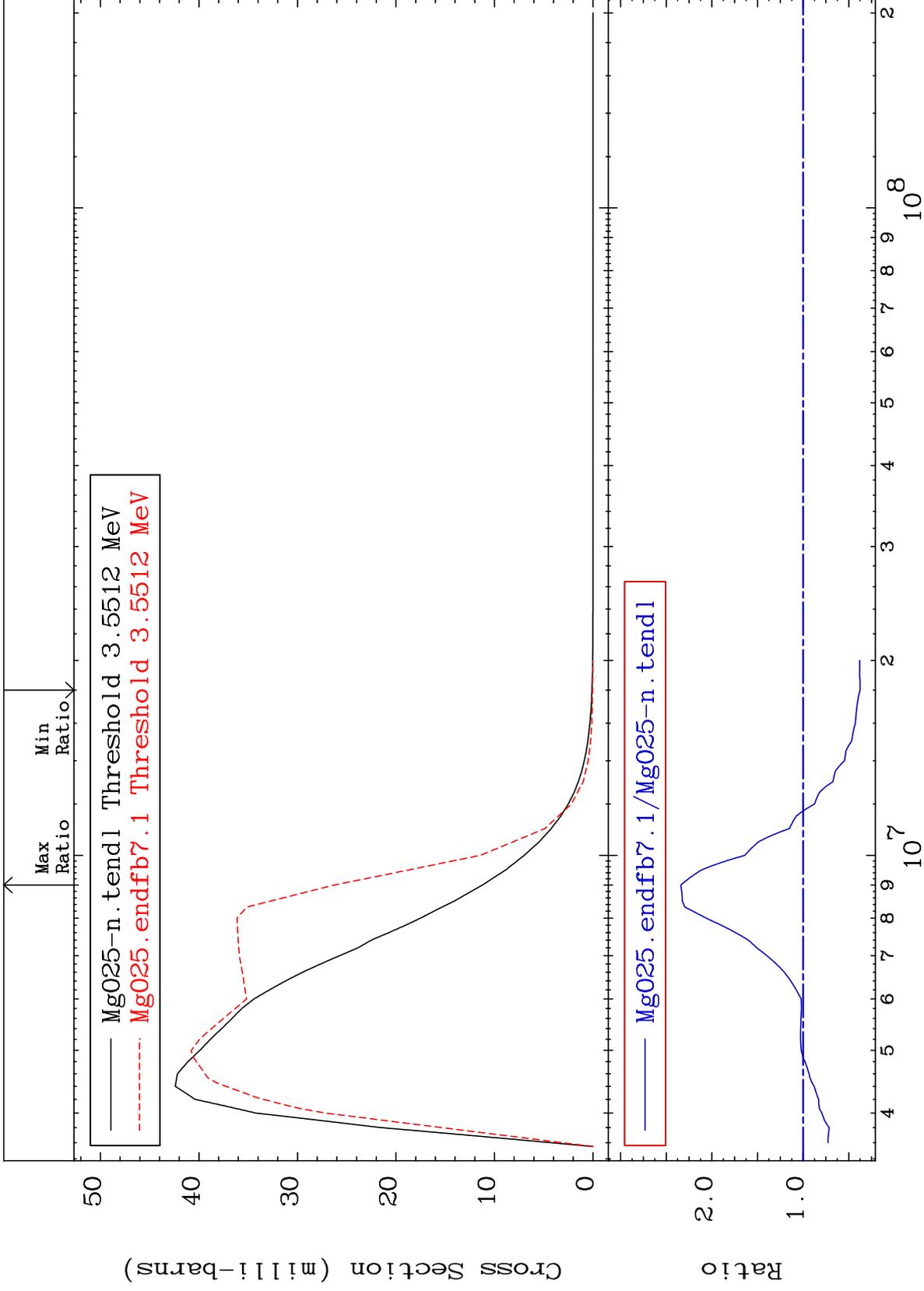
12-Mg-25  
-58.34 To 157.6 %



MAT 1228

3.413 MeV (n,n') Level  
Cross Section

12-Mg-25  
-62.44 To 134.1 %



15

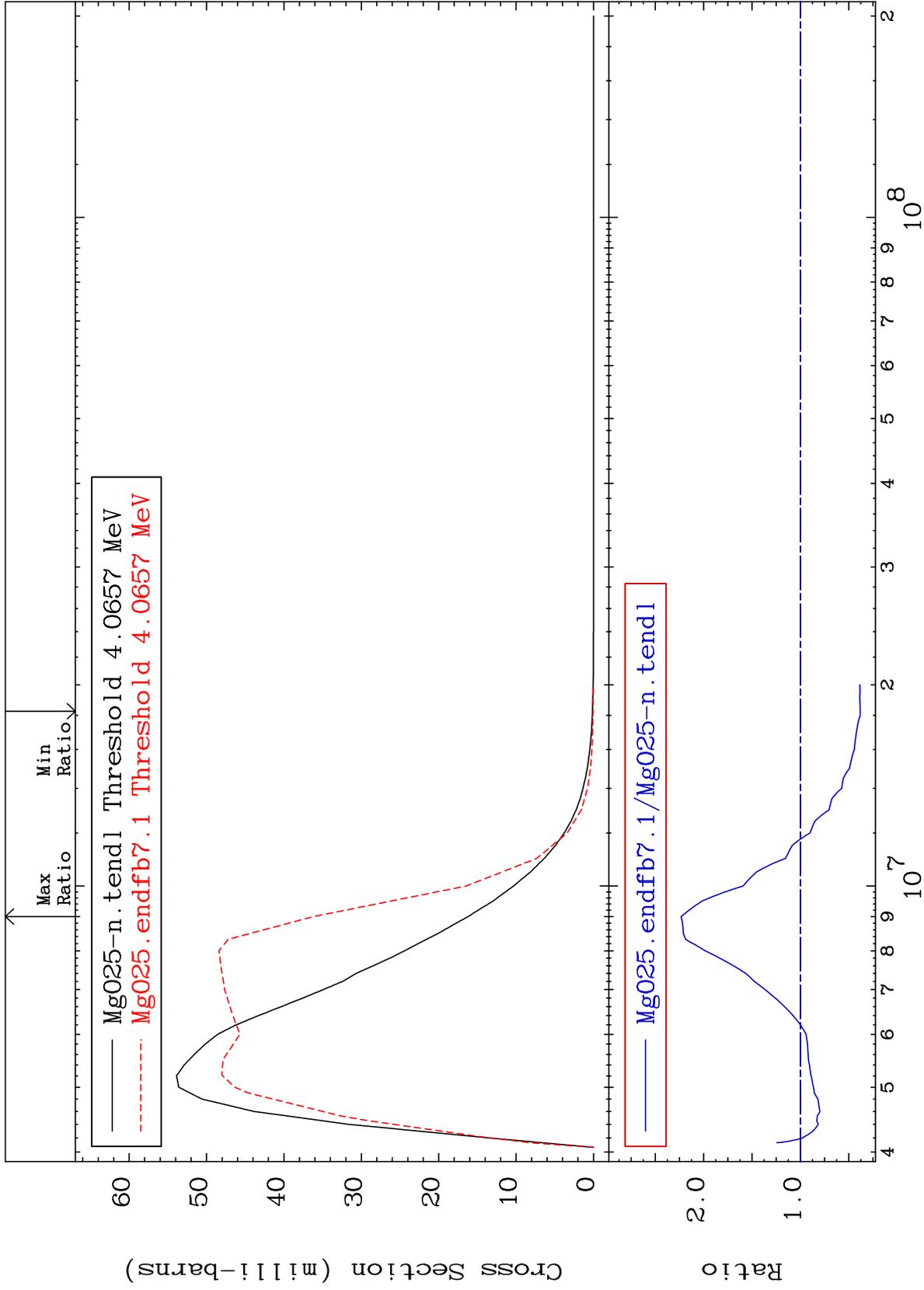
Incident Energy (eV)

12-Mg-25

MAT 1228

3.908 MeV (n,n') Level  
Cross Section

12-Mg-25  
-61.87 To 123.3 %



16

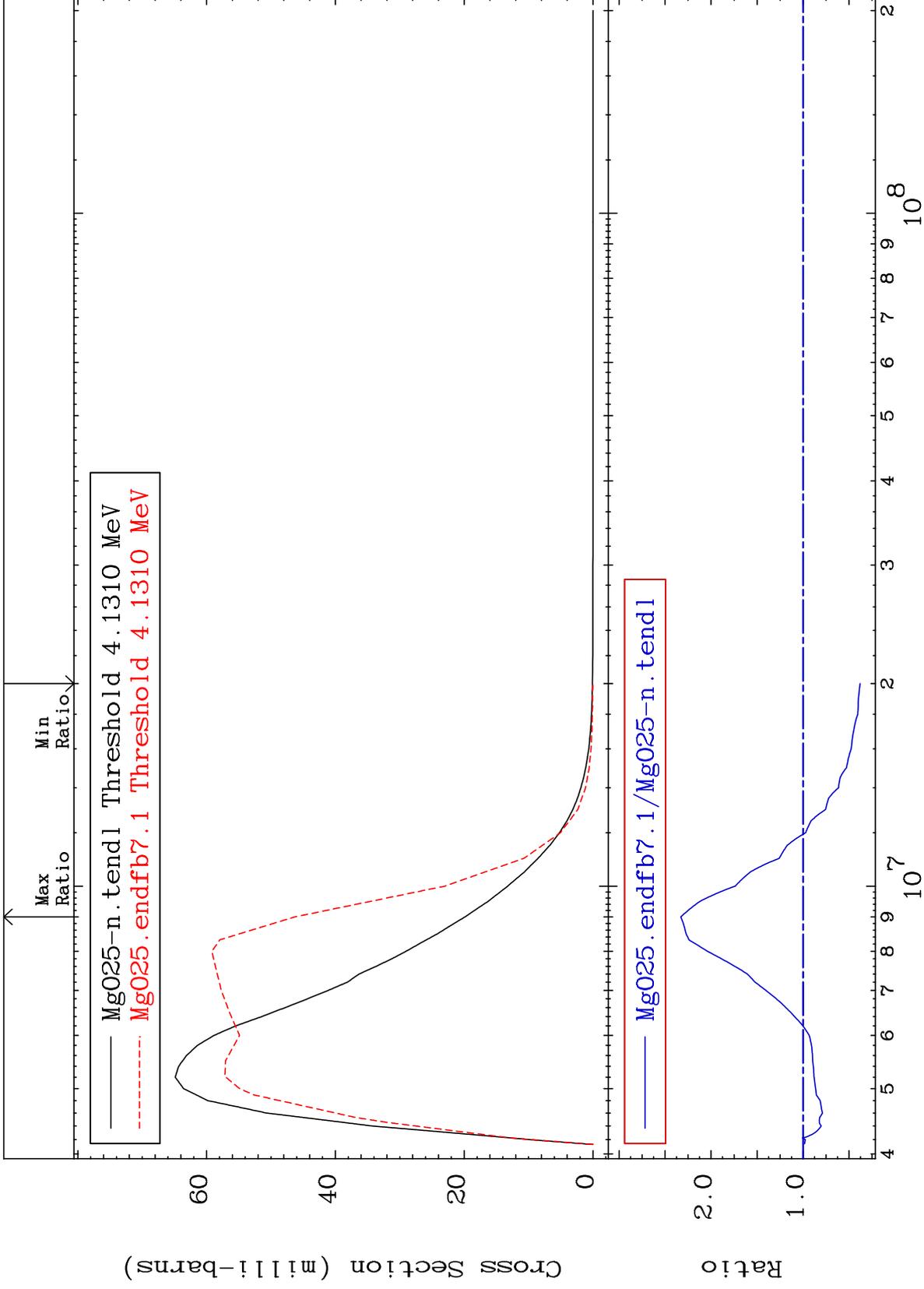
Incident Energy (eV)

12-Mg-25

MAT 1228

3.971 MeV (n,n') Level  
Cross Section

12-Mg-25  
-62.04 To 133.0 %



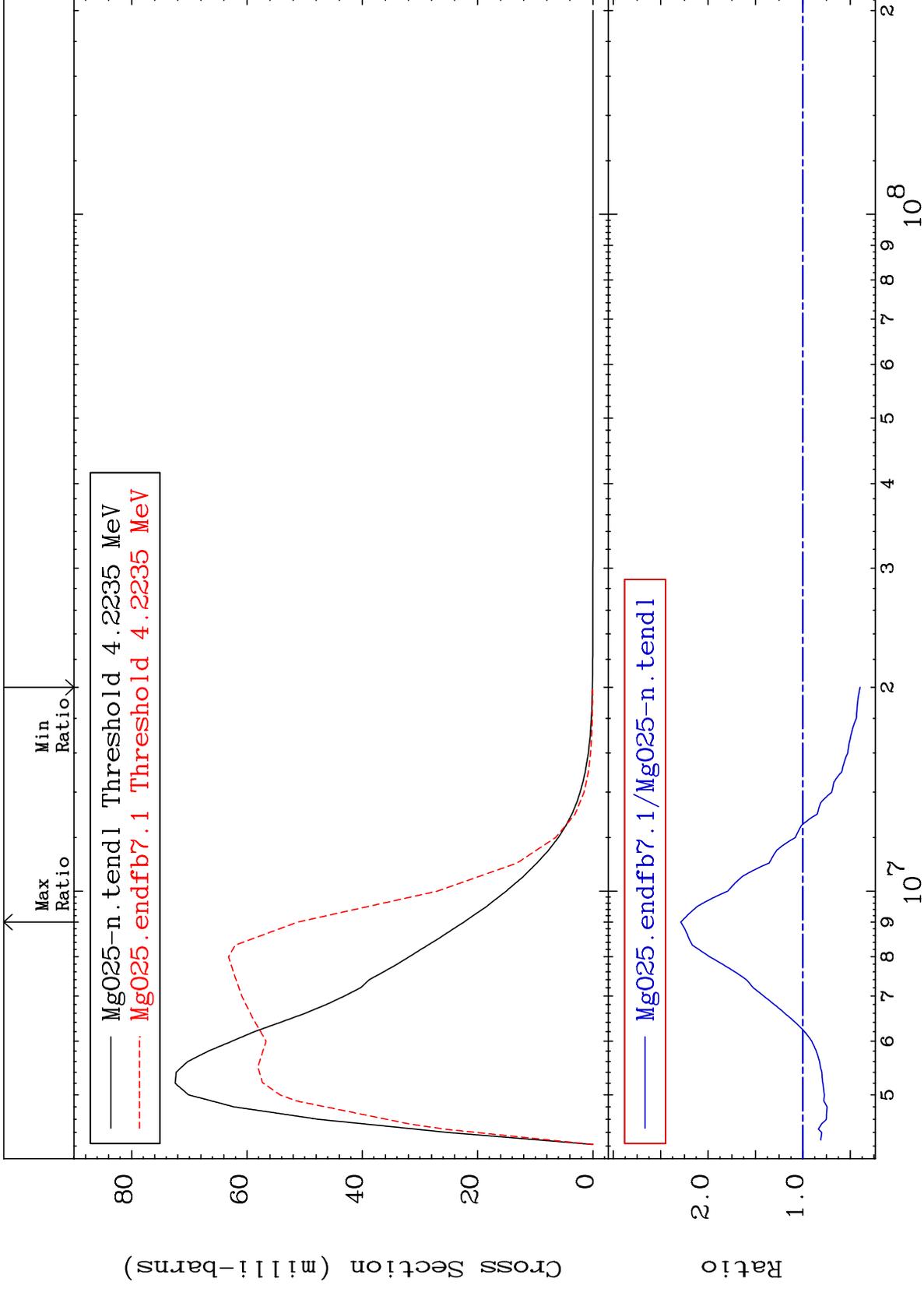
17

12-Mg-25

MAT 1228

4.060 MeV (n,n') Level  
Cross Section

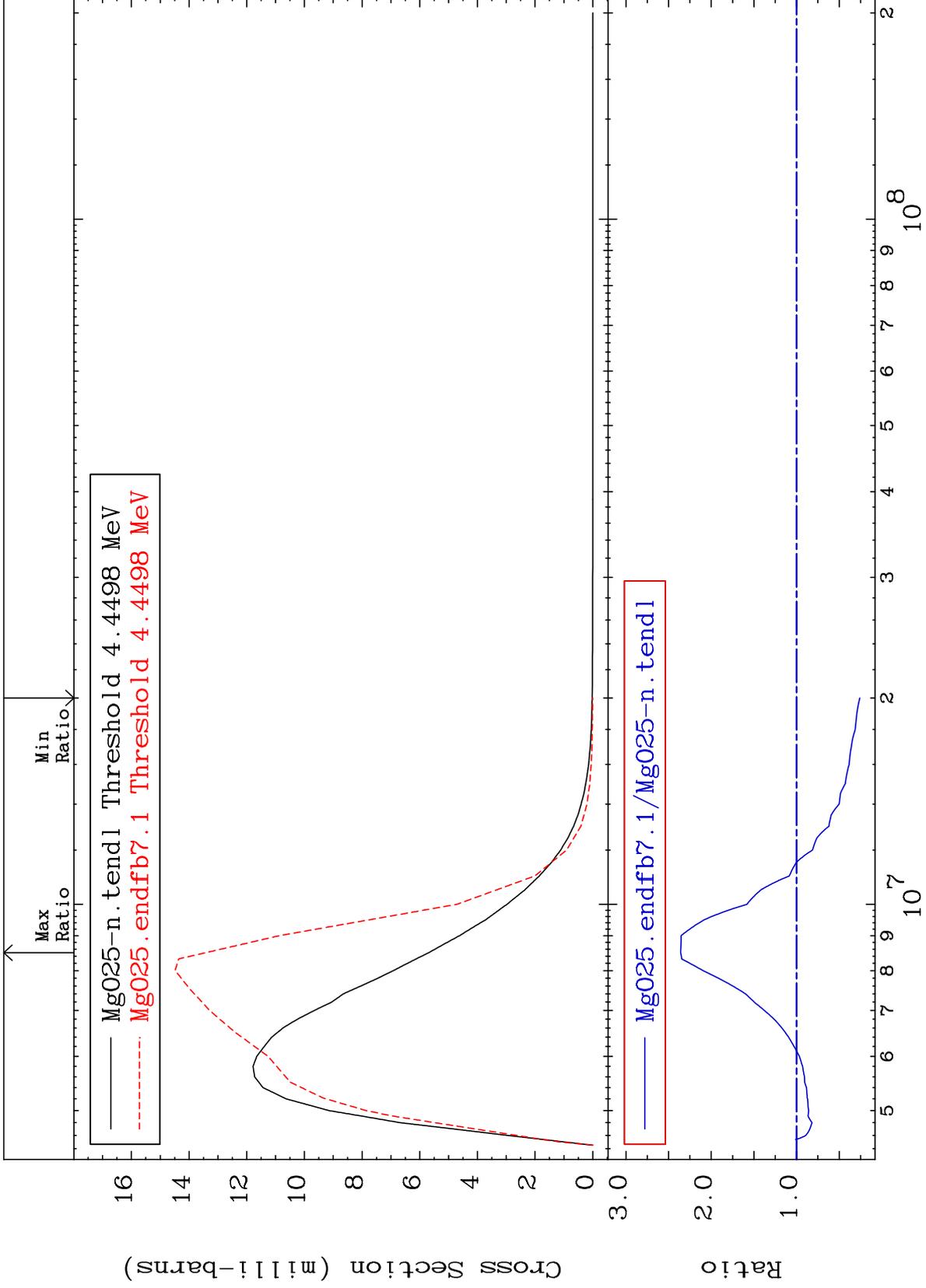
12-Mg-25  
-60.41 To 128.9 %



MAT 1228

4.277 MeV (n,n') Level  
Cross Section

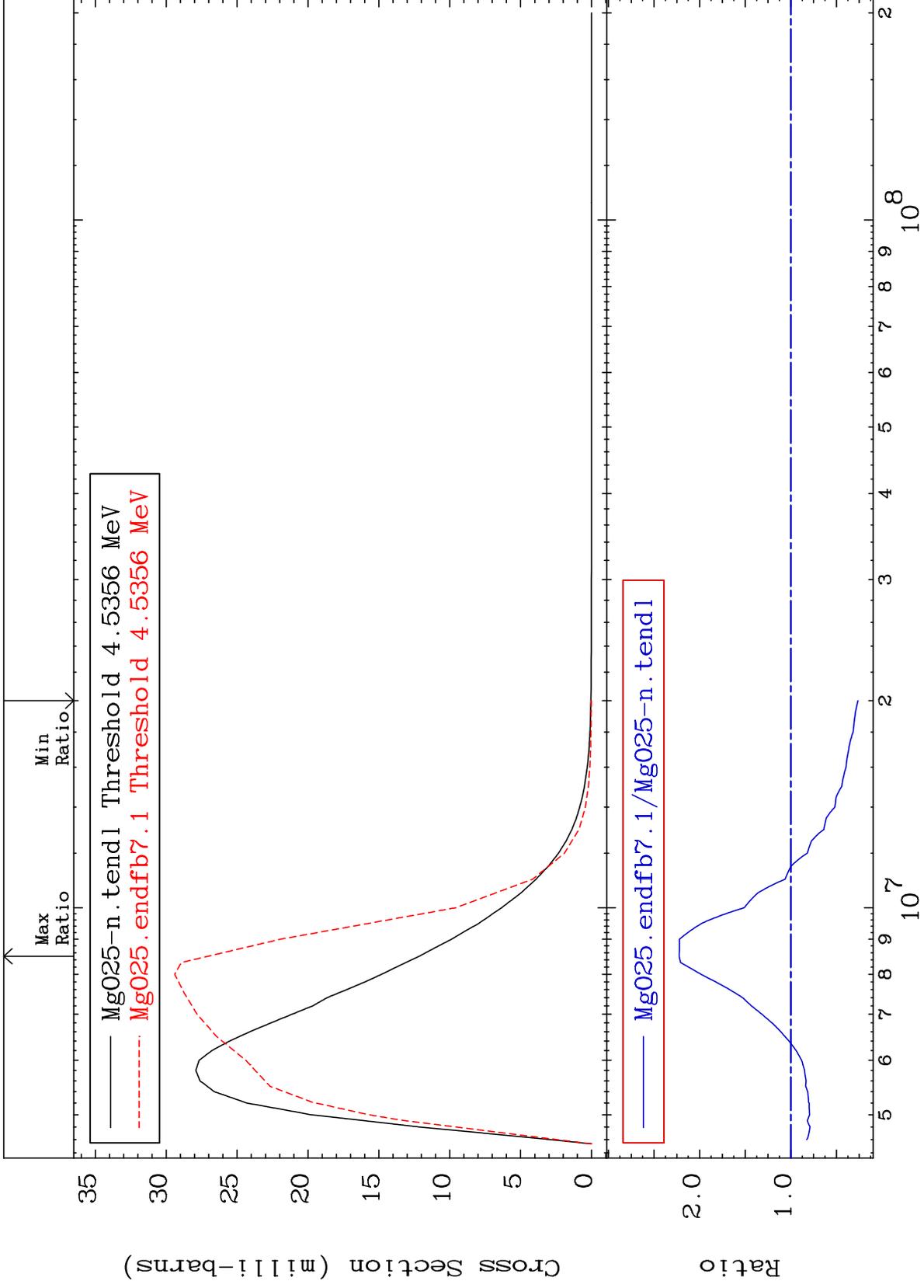
12-Mg-25  
-74.09 To 136.0 %



MAT 1228

4.360 MeV (n,n') Level  
Cross Section

12-Mg-25  
-73.56 To 122.6 %



20

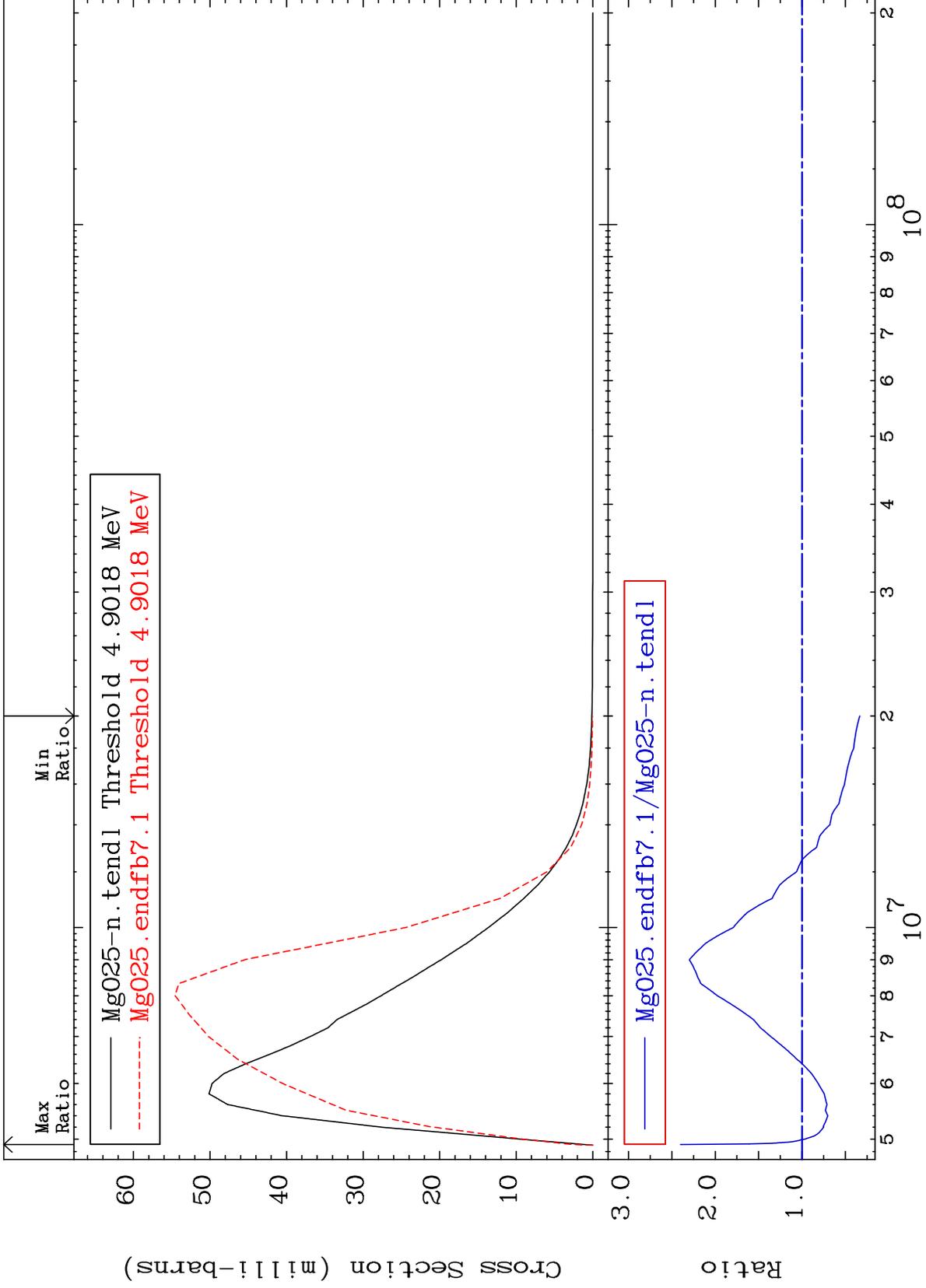
Incident Energy (eV)

12-Mg-25

MAT 1228

4.712 MeV (n,n') Level  
Cross Section

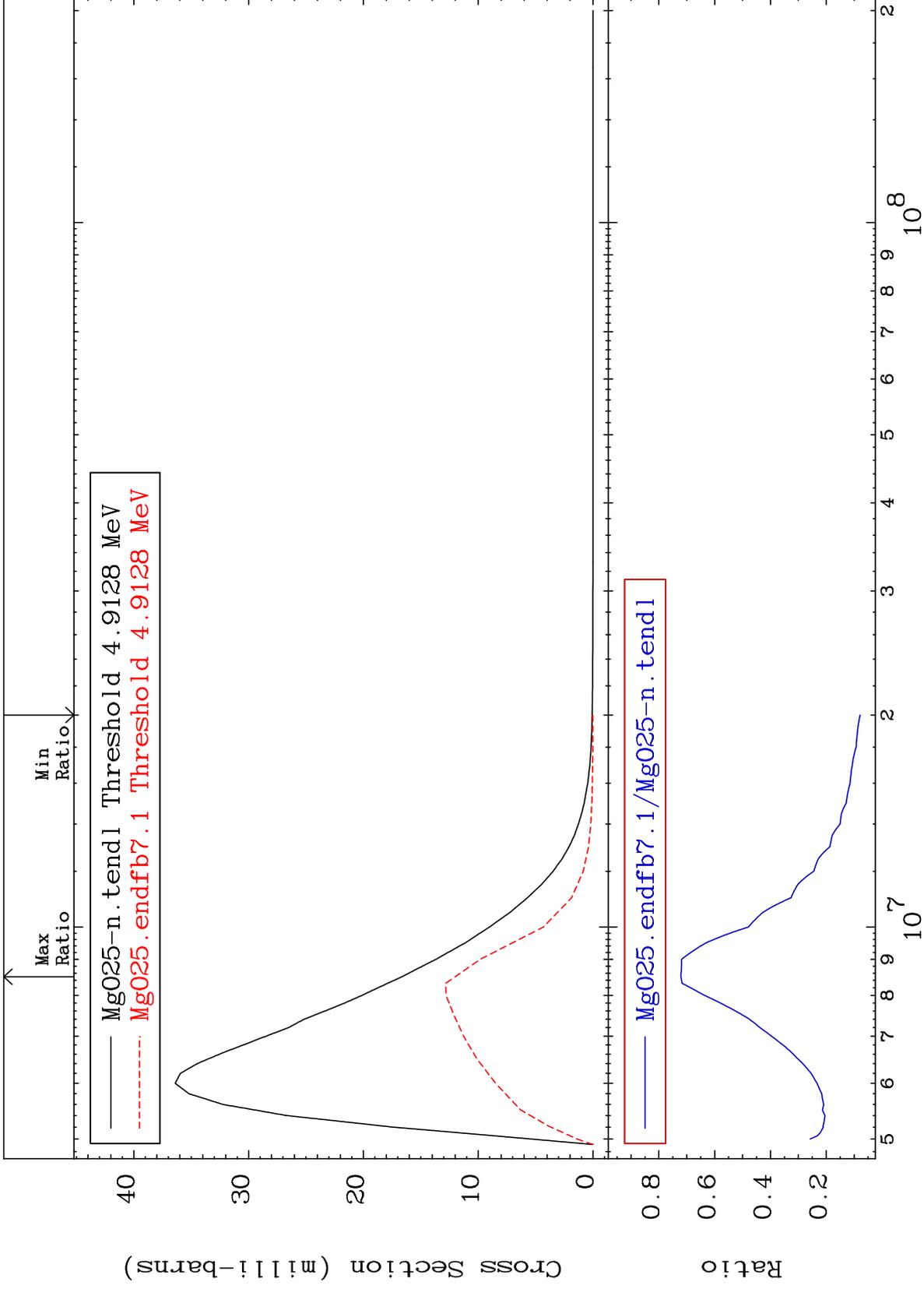
12-Mg-25  
-66.47 To 140.0 %



MAT 1228

4.722 MeV (n,n') Level  
Cross Section

12-Mg-25  
-92.13 To -27.85%



22

Incident Energy (eV)

12-Mg-25

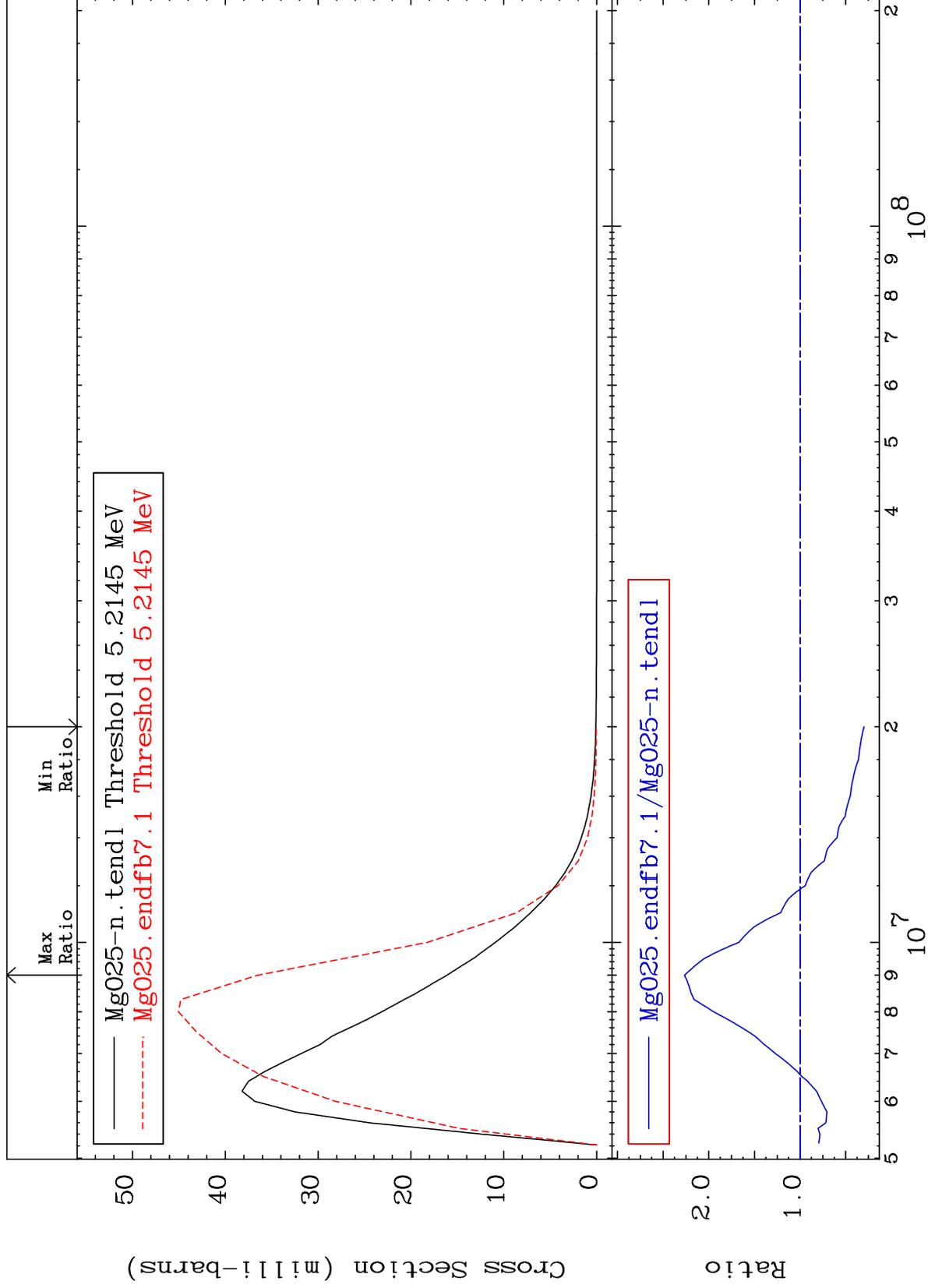
MAT 1228

5.012 MeV (n,n') Level

12-Mg-25

-70.10 To 126.6 %

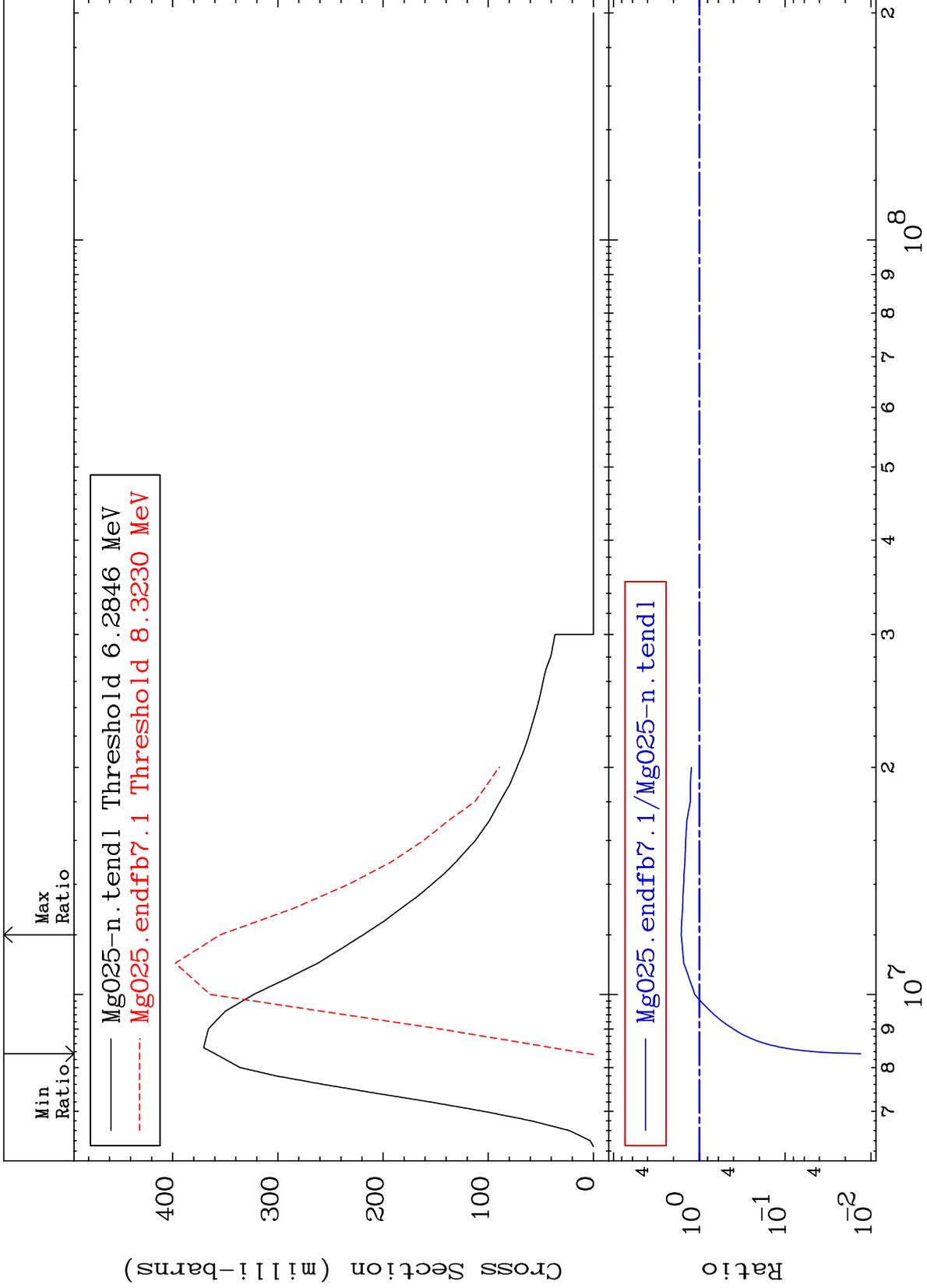
Cross Section



23

Incident Energy (eV)

12-Mg-25



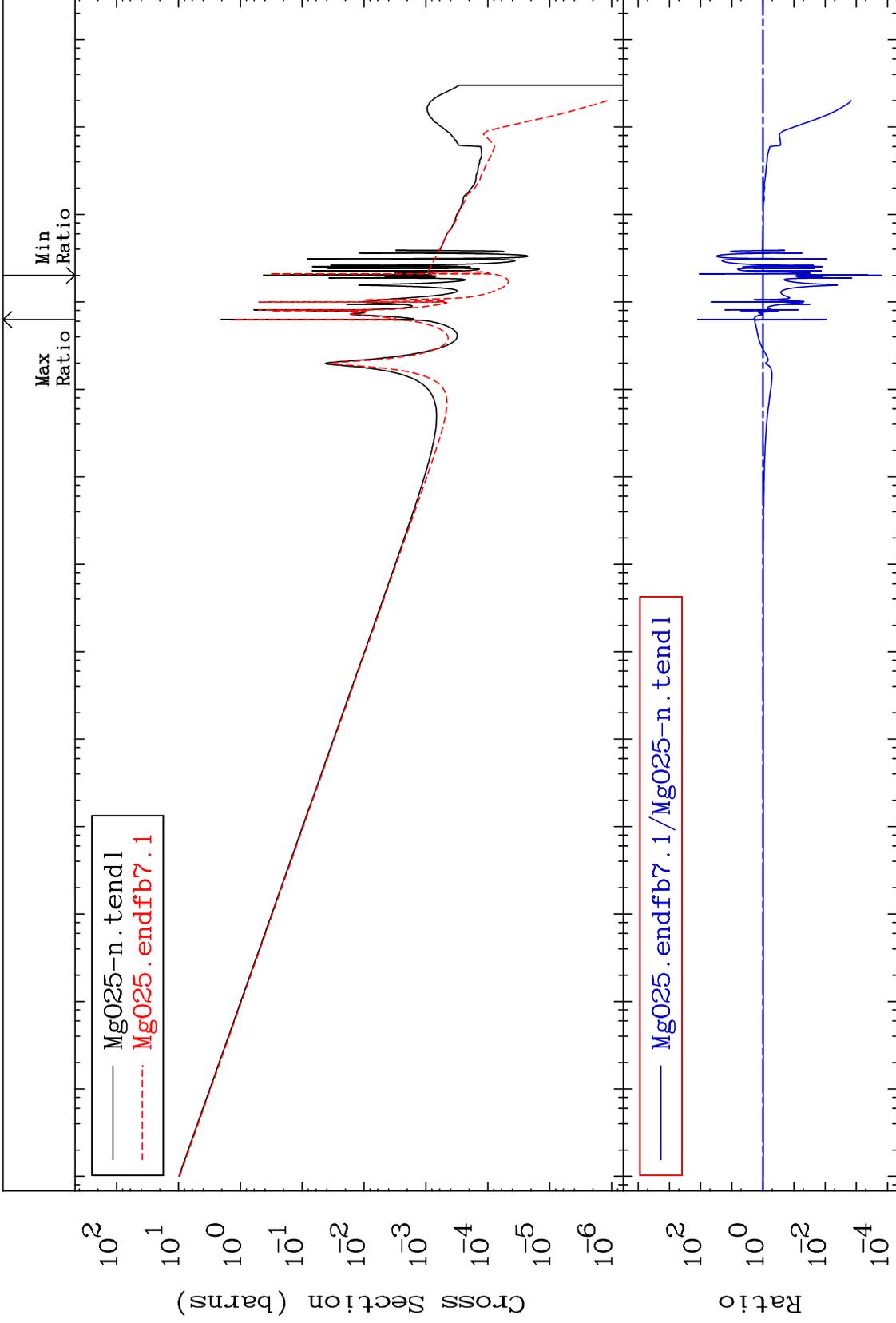
MAT 1228

(n,  $\gamma$ )

12-Mg-25

Cross Section

-99.98 To 9999. %



Incident Energy (eV)

12-Mg-25

25

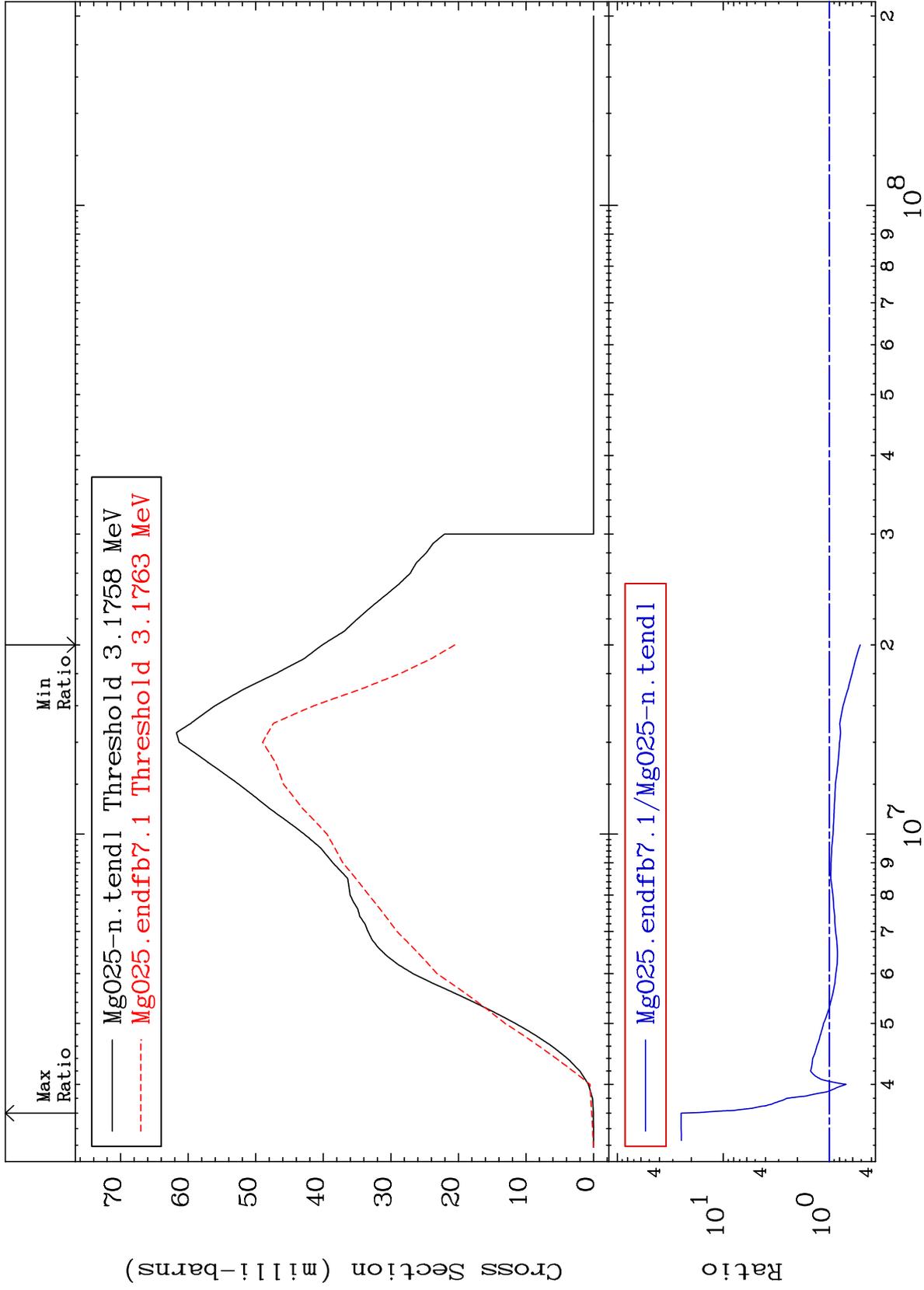
MAT 1228

(n,p)

12-Mg-25

Cross Section

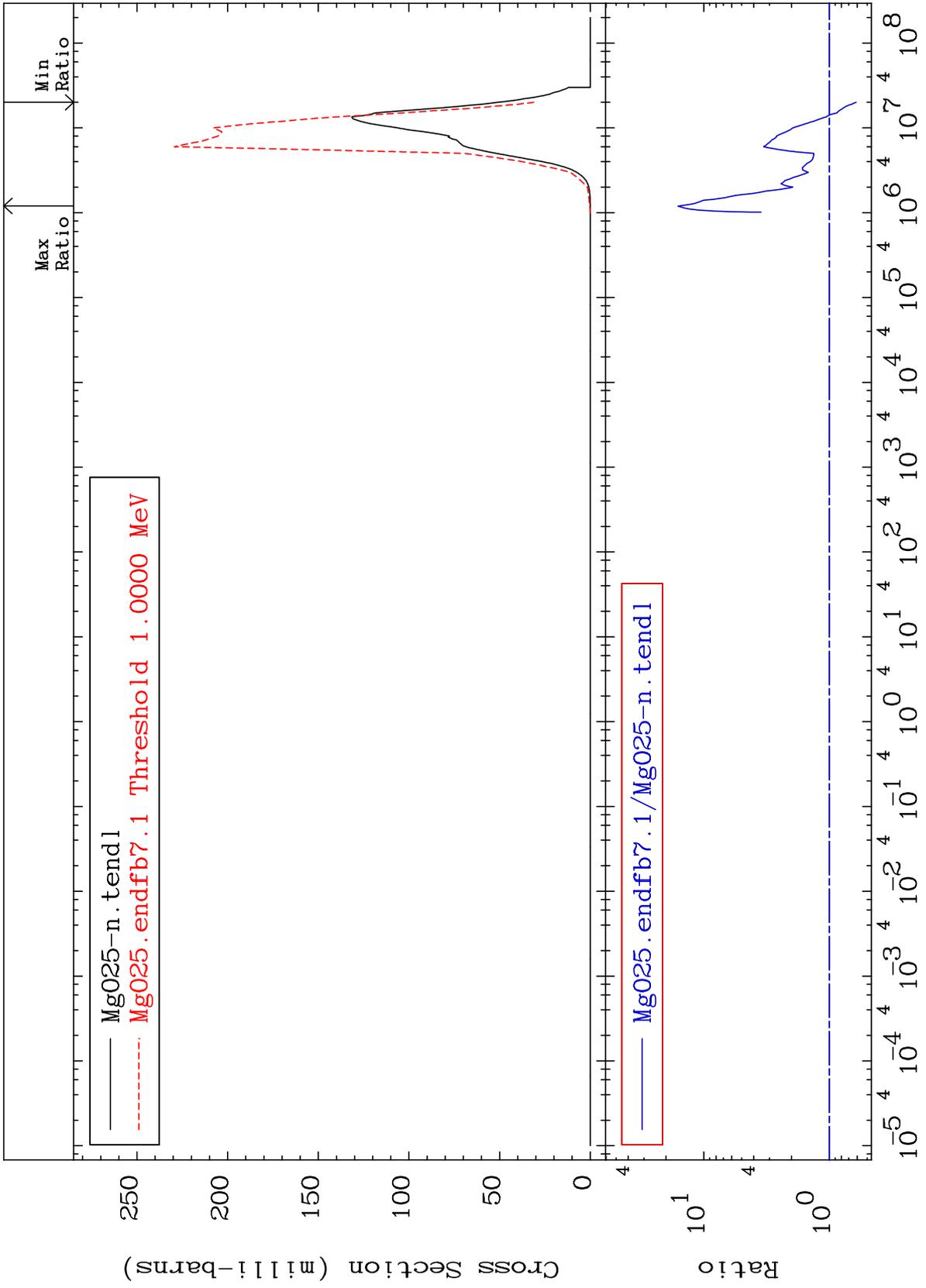
-48.94 To 2400. %



MAT 1228

(n,  $\alpha$ )  
Cross Section

12-Mg-25  
-38.88 To 1516. %



27

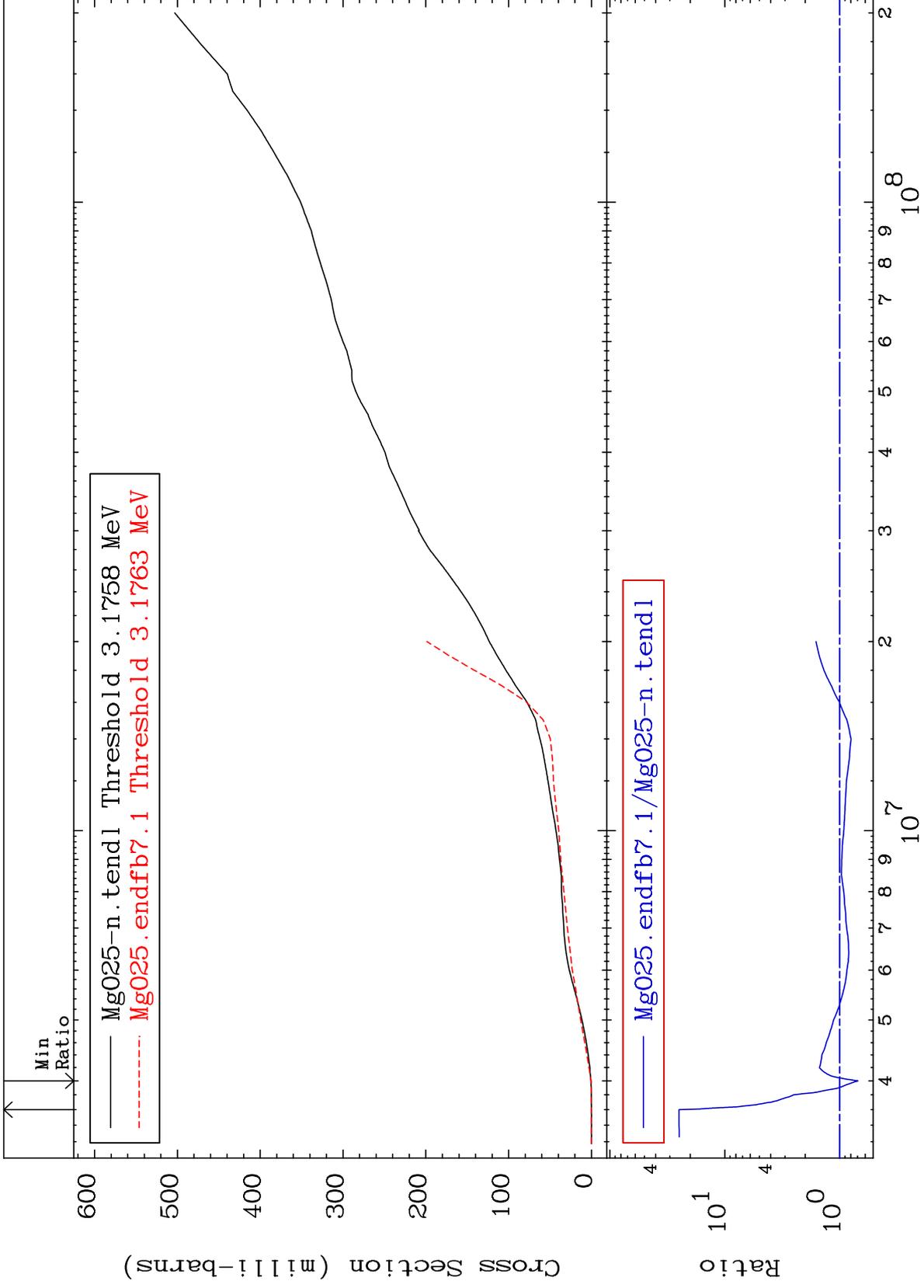
Incident Energy (eV)

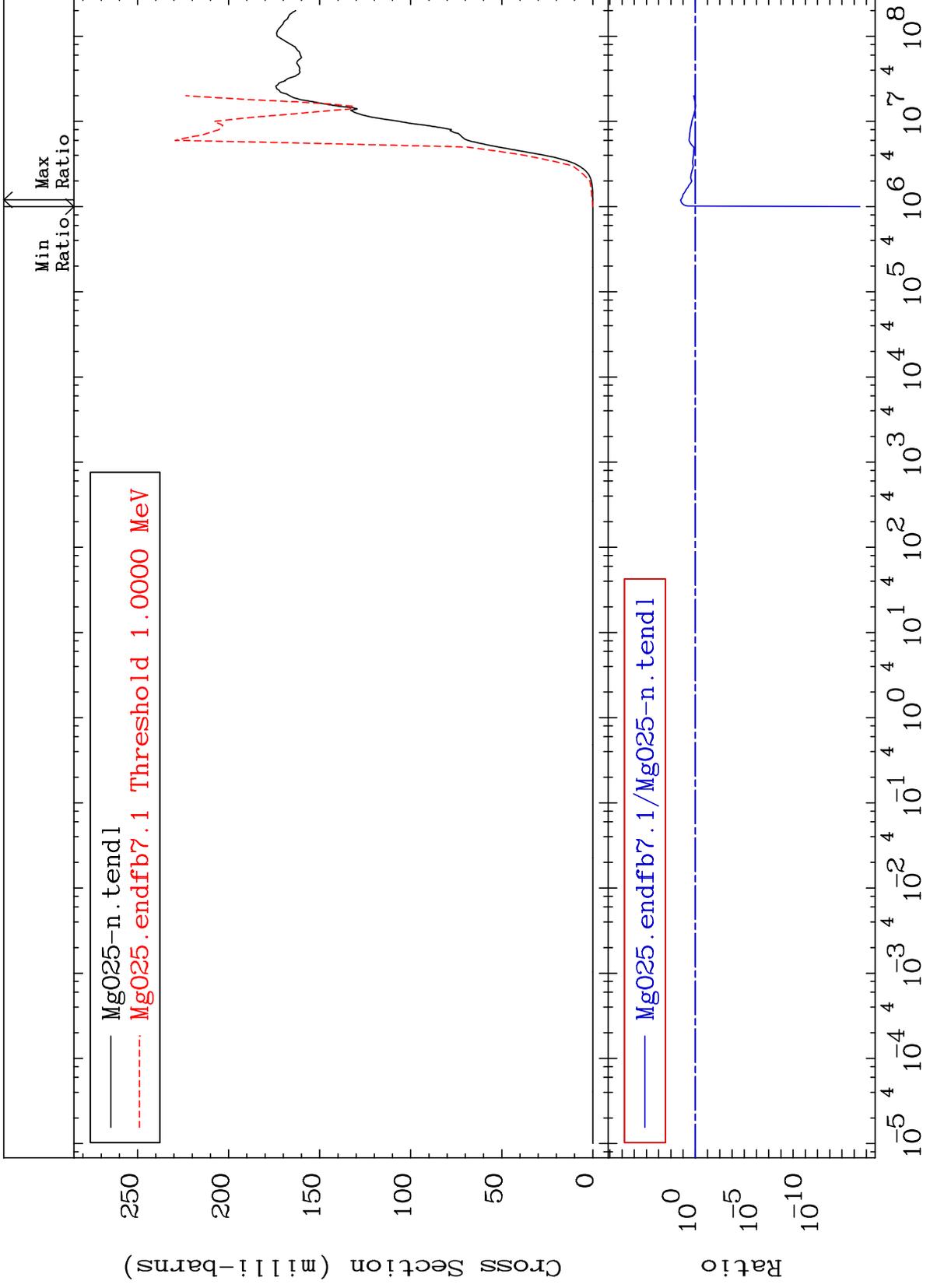
12-Mg-25

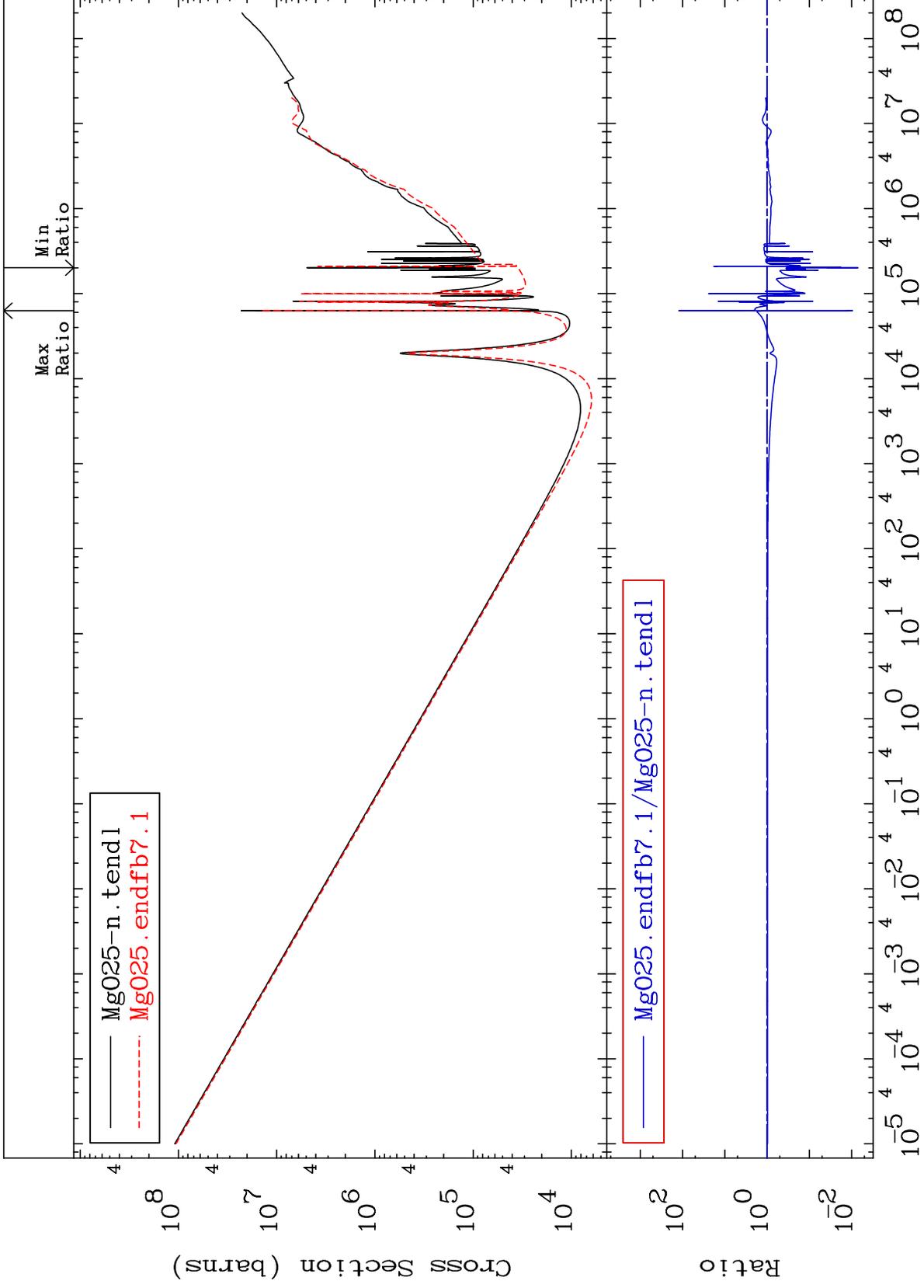
MAT 1228

Hydrogen Production  
Cross Section

12-Mg-25  
-30.47 To 2400. %



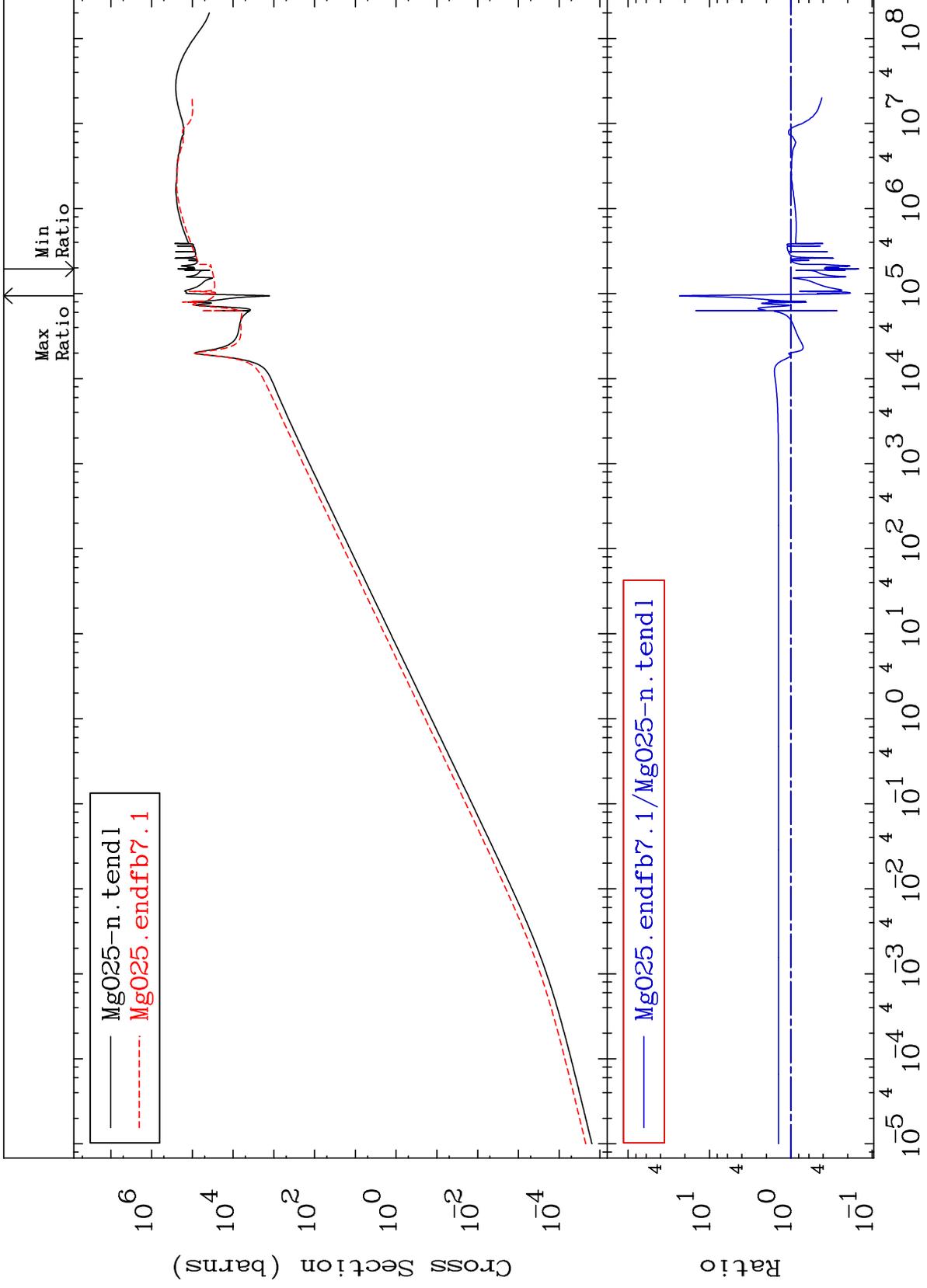


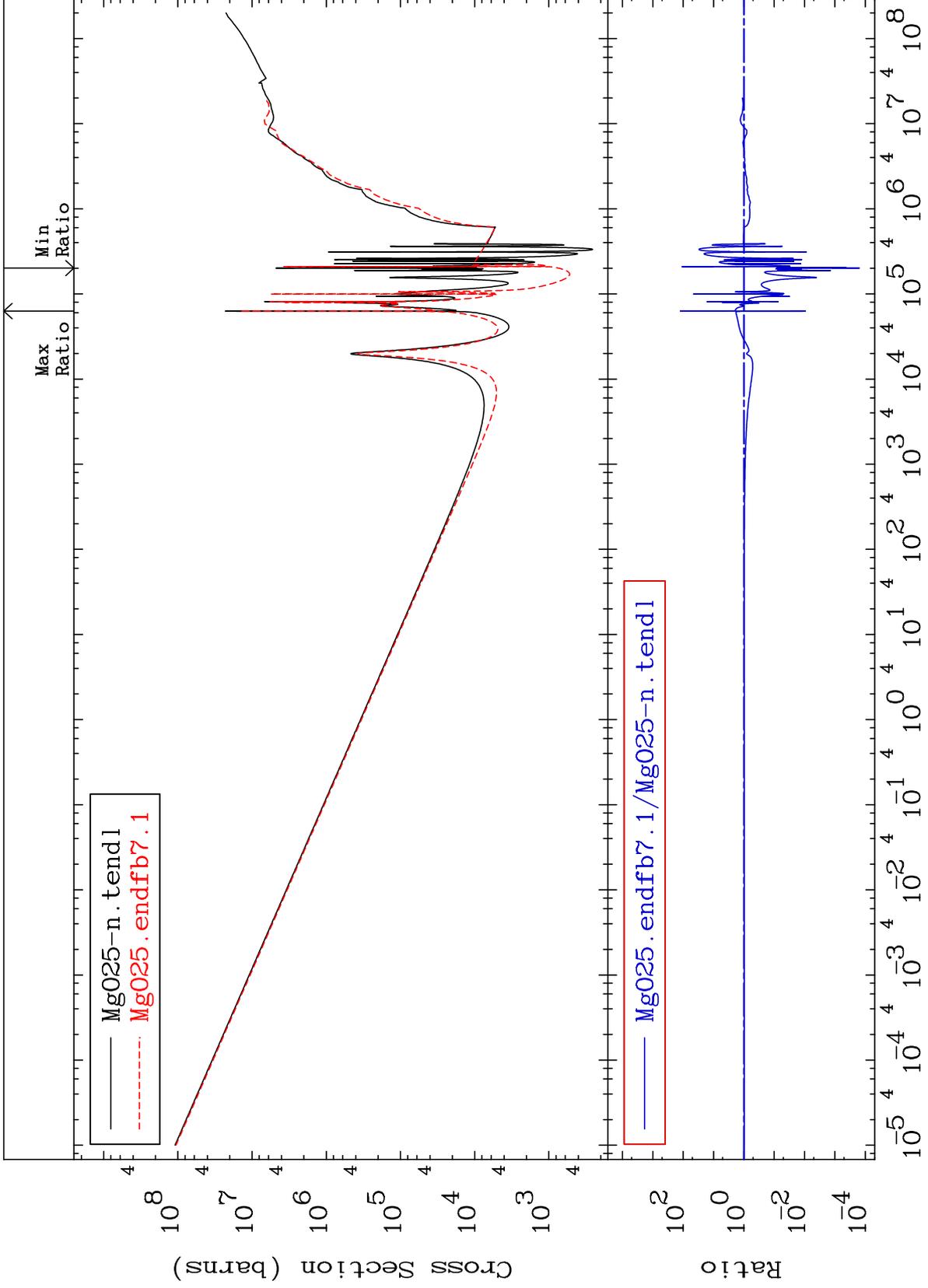


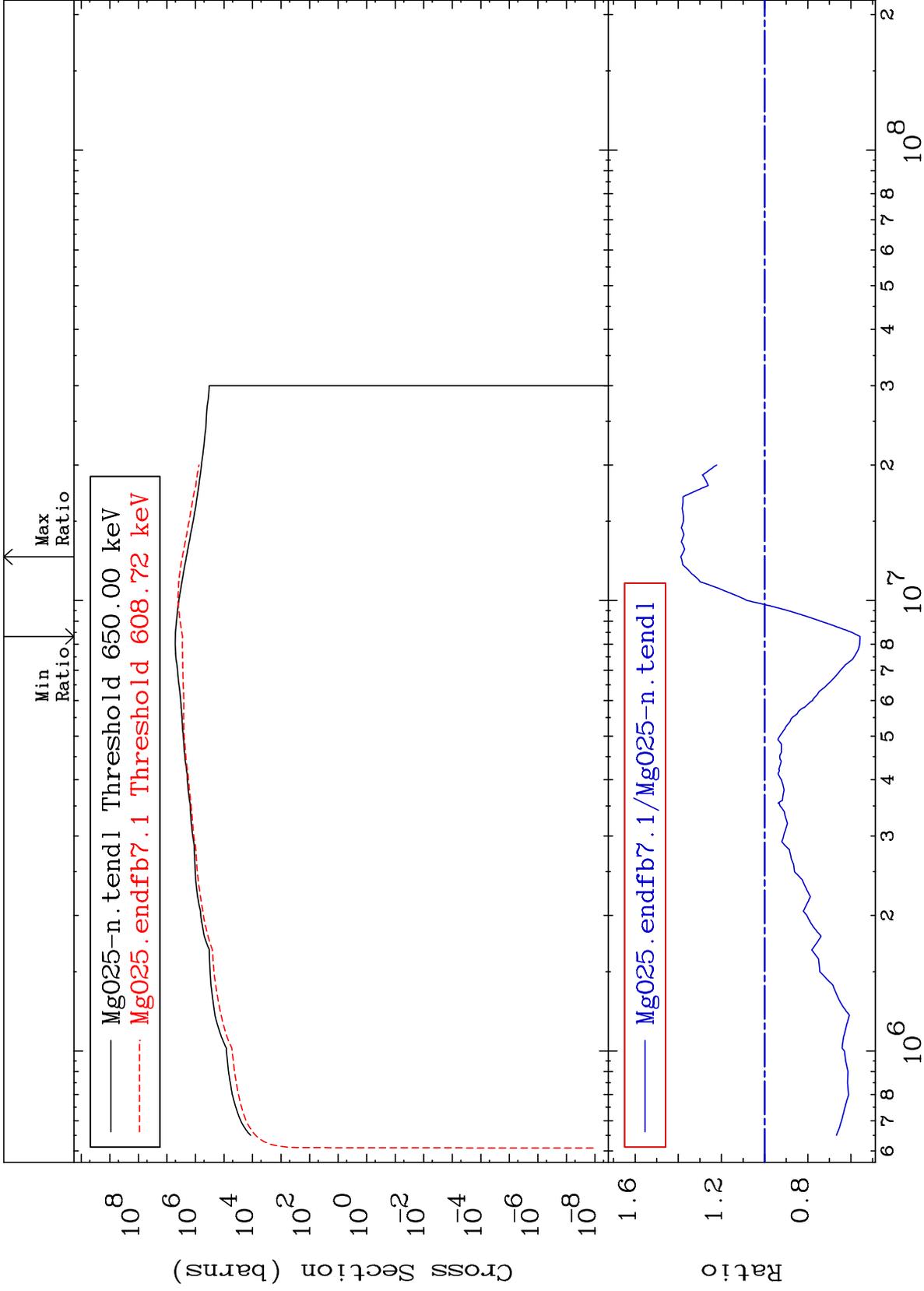
MAT 1228

Kerma elastic  
Cross Section

12-Mg-25  
-85.29 To 2231. %



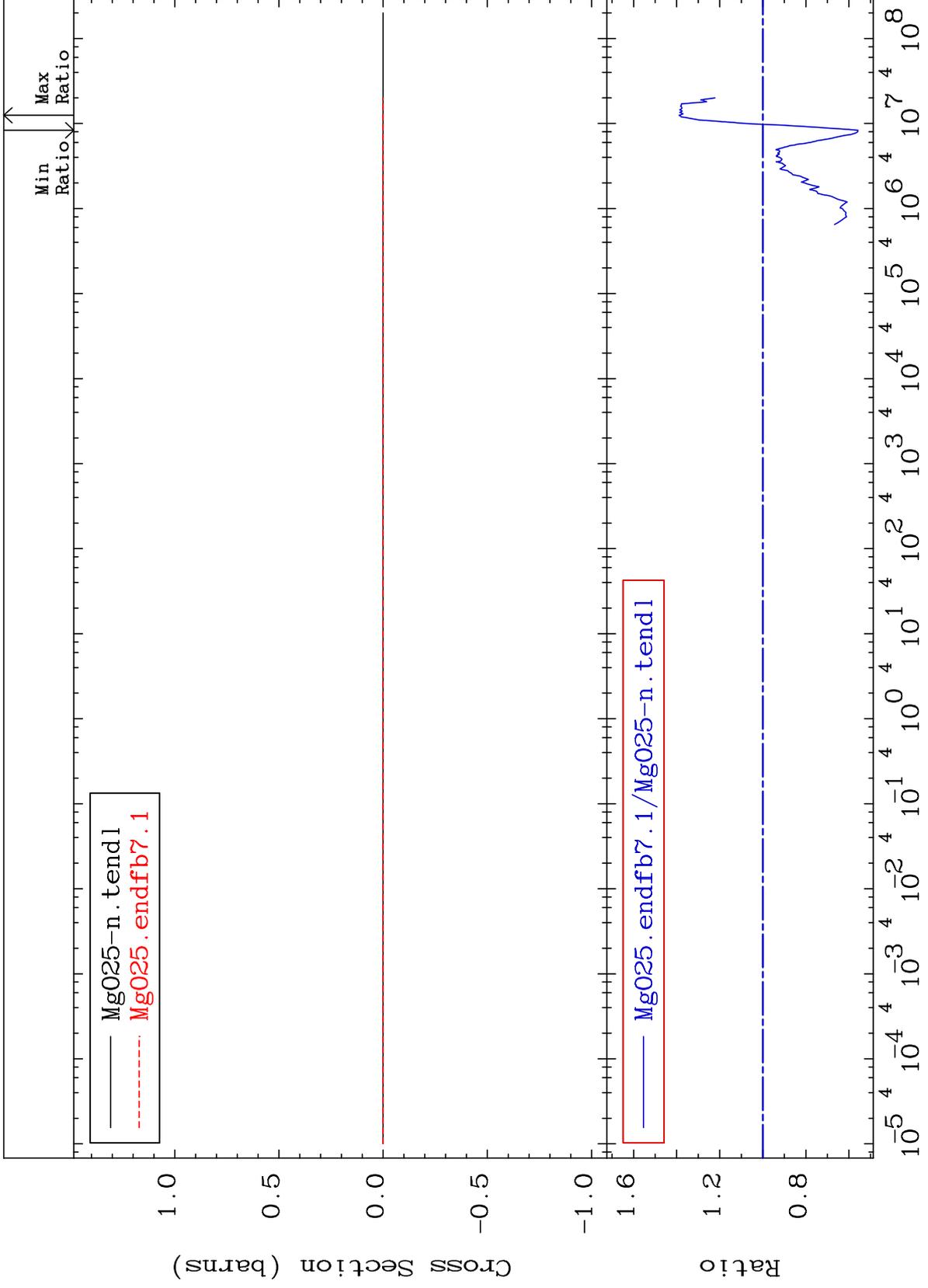




MAT 1228

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

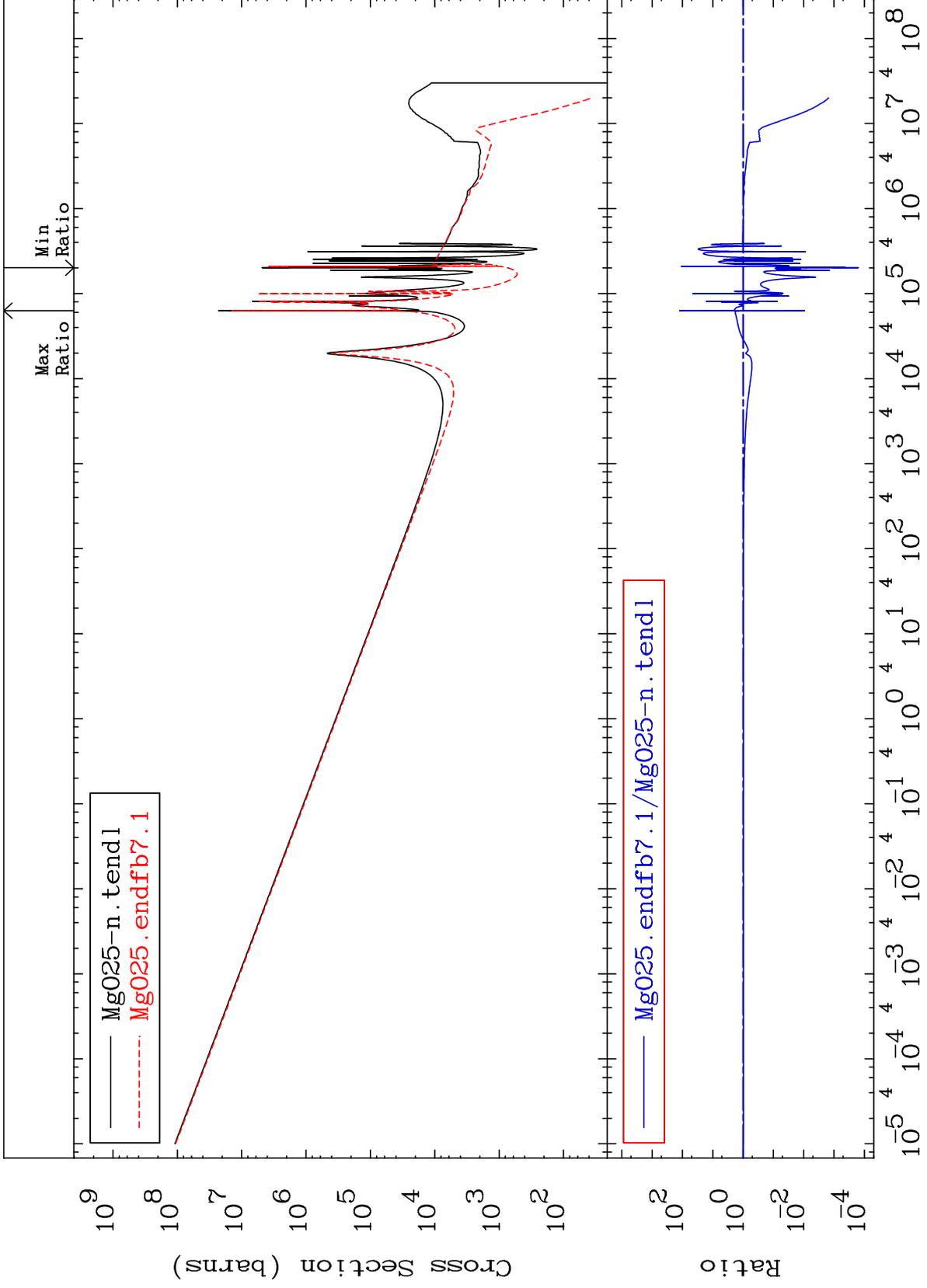
12-Mg-25  
-44.23 To 38.86 %



MAT 1228

Kerma capture (mt102)  
Cross Section

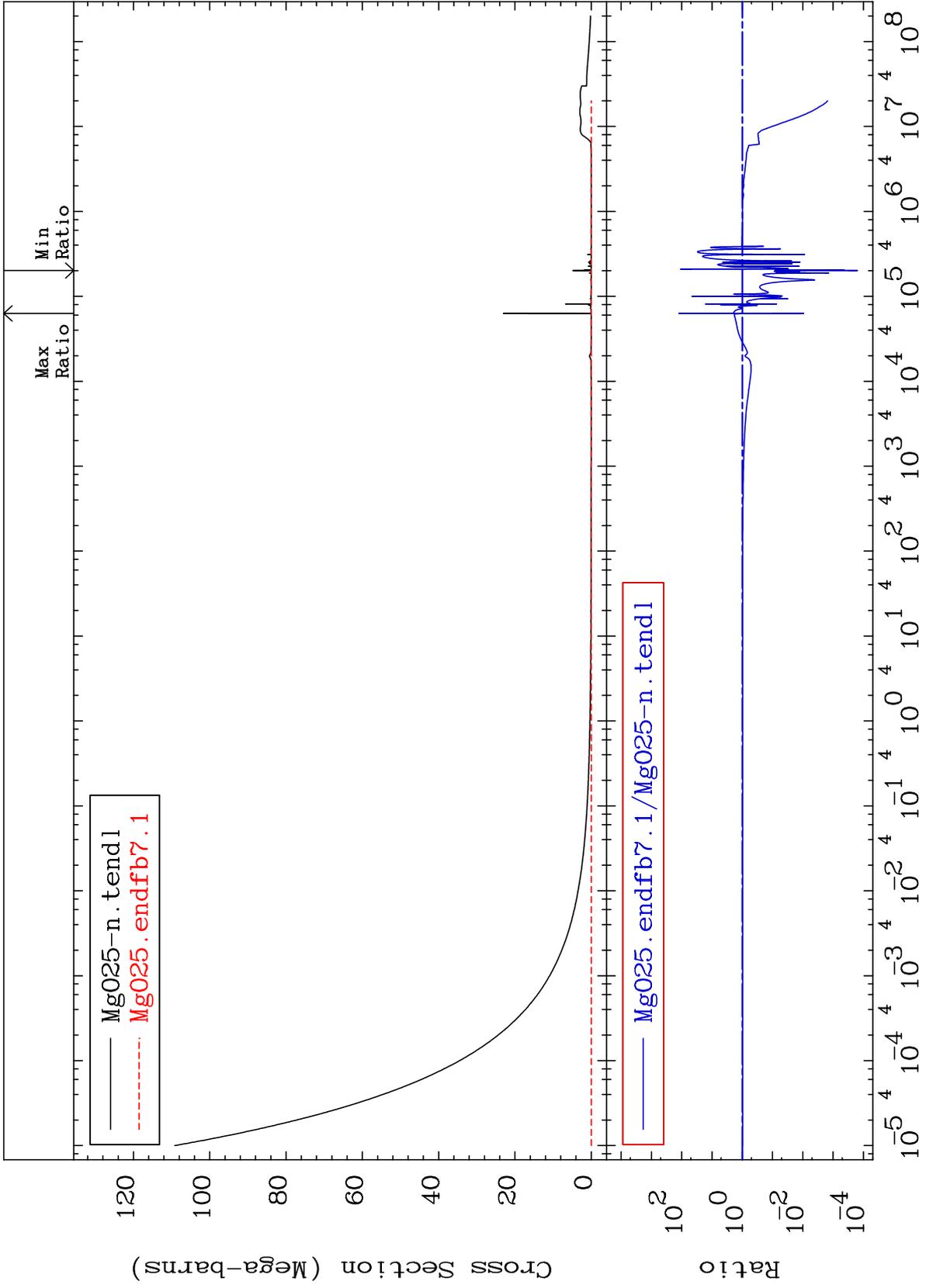
12-Mg-25  
-99.98 To 9999. %



35

Incident Energy (eV)

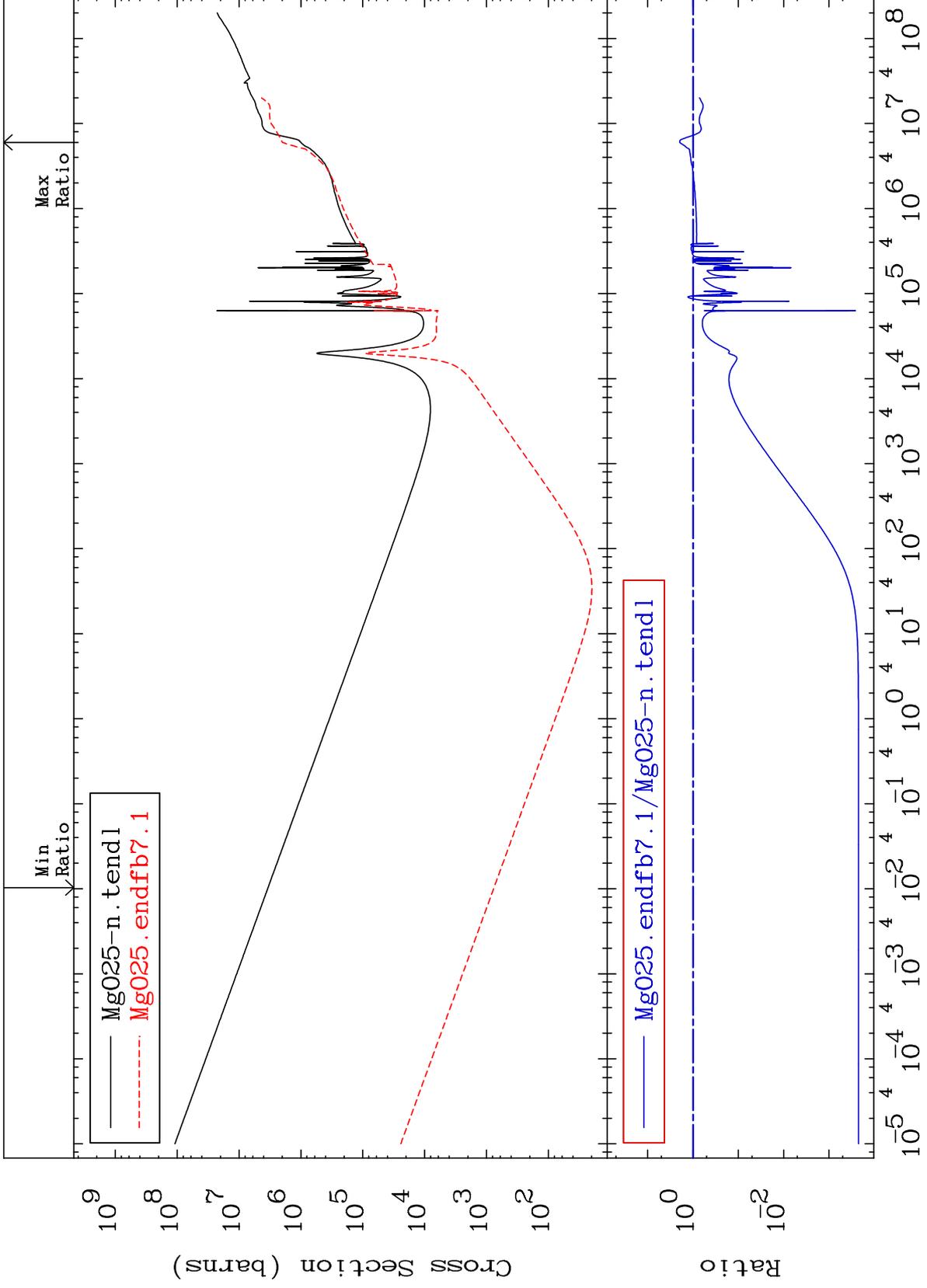
12-Mg-25



MAT 1228

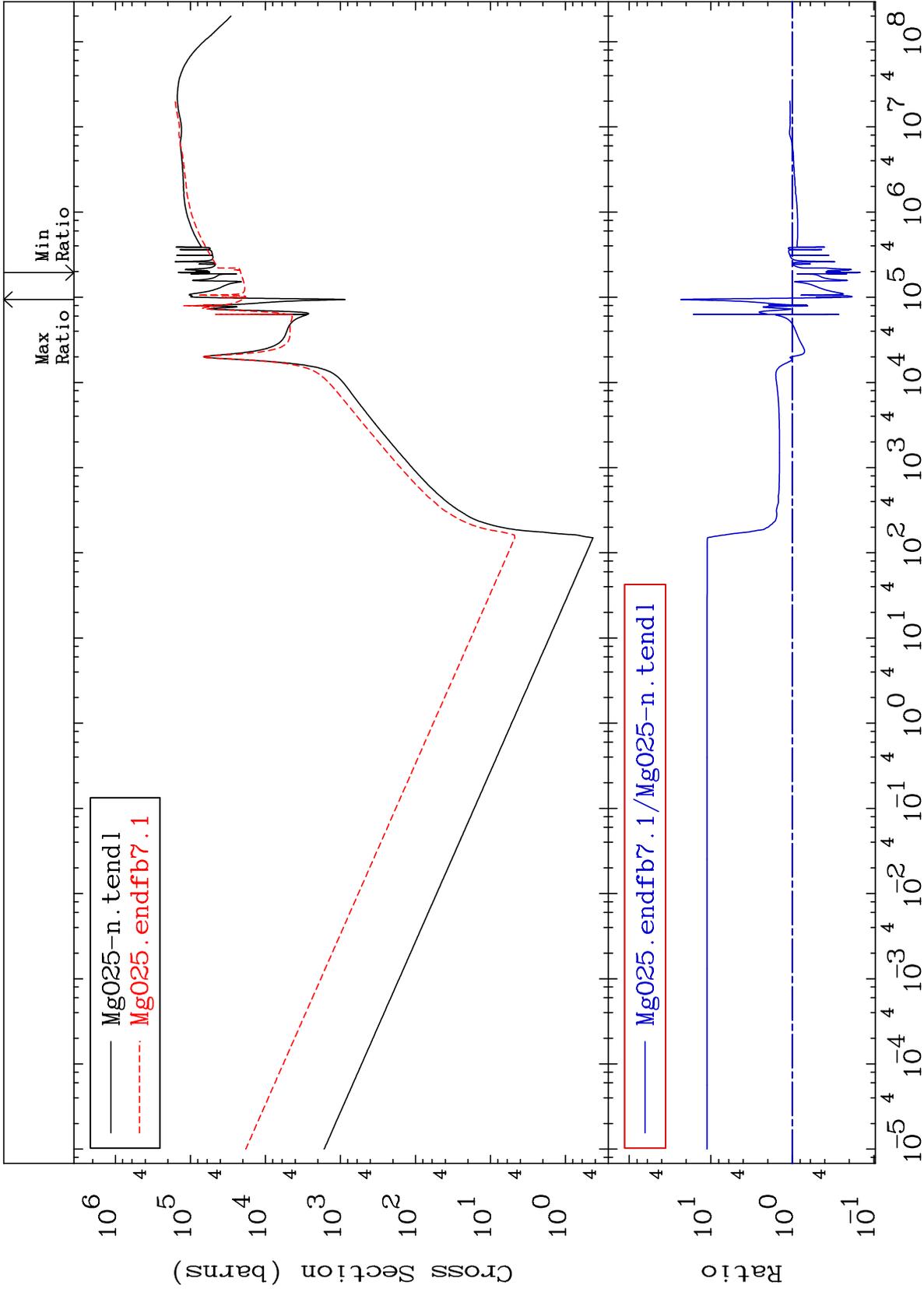
Total kinematic kerma (high limit)  
Cross Section

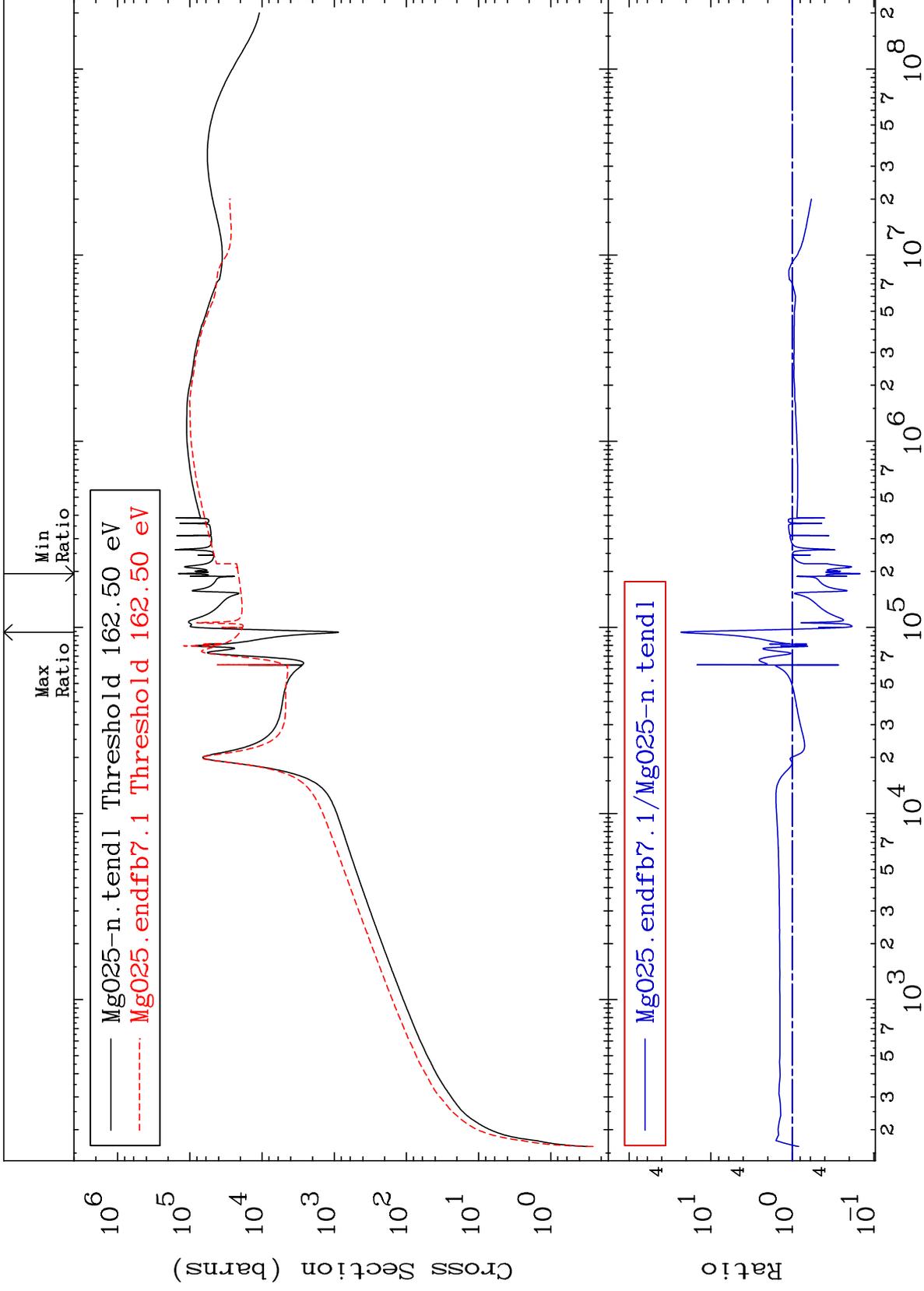
12-Mg-25  
-99.98 To 98.16 %



37

12-Mg-25

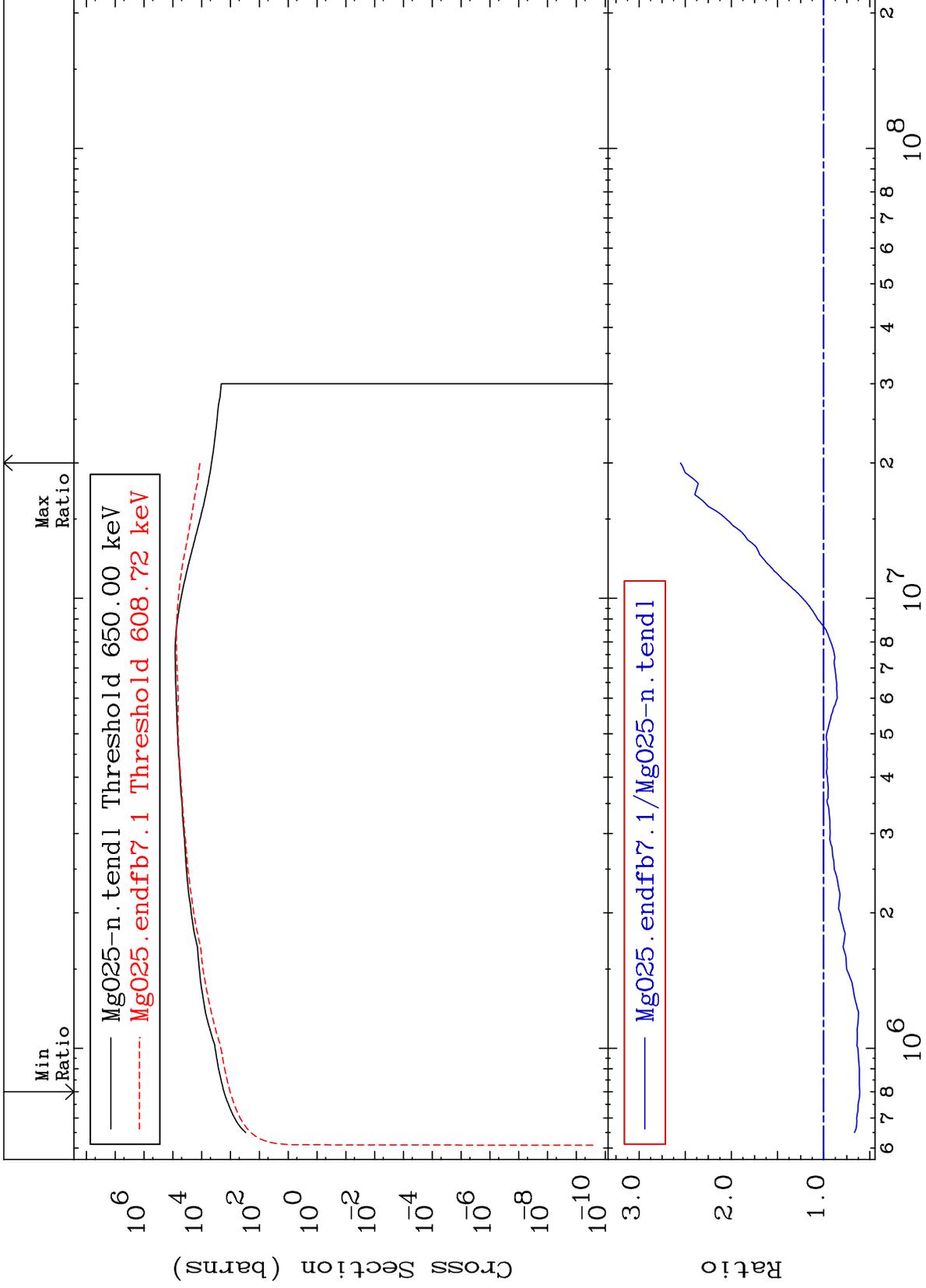




MAT 1228

Dpa inelastic (mt51-91)  
Cross Section

12-Mg-25  
-39.06 To 155.1 %



40

Incident Energy (eV)

12-Mg-25

