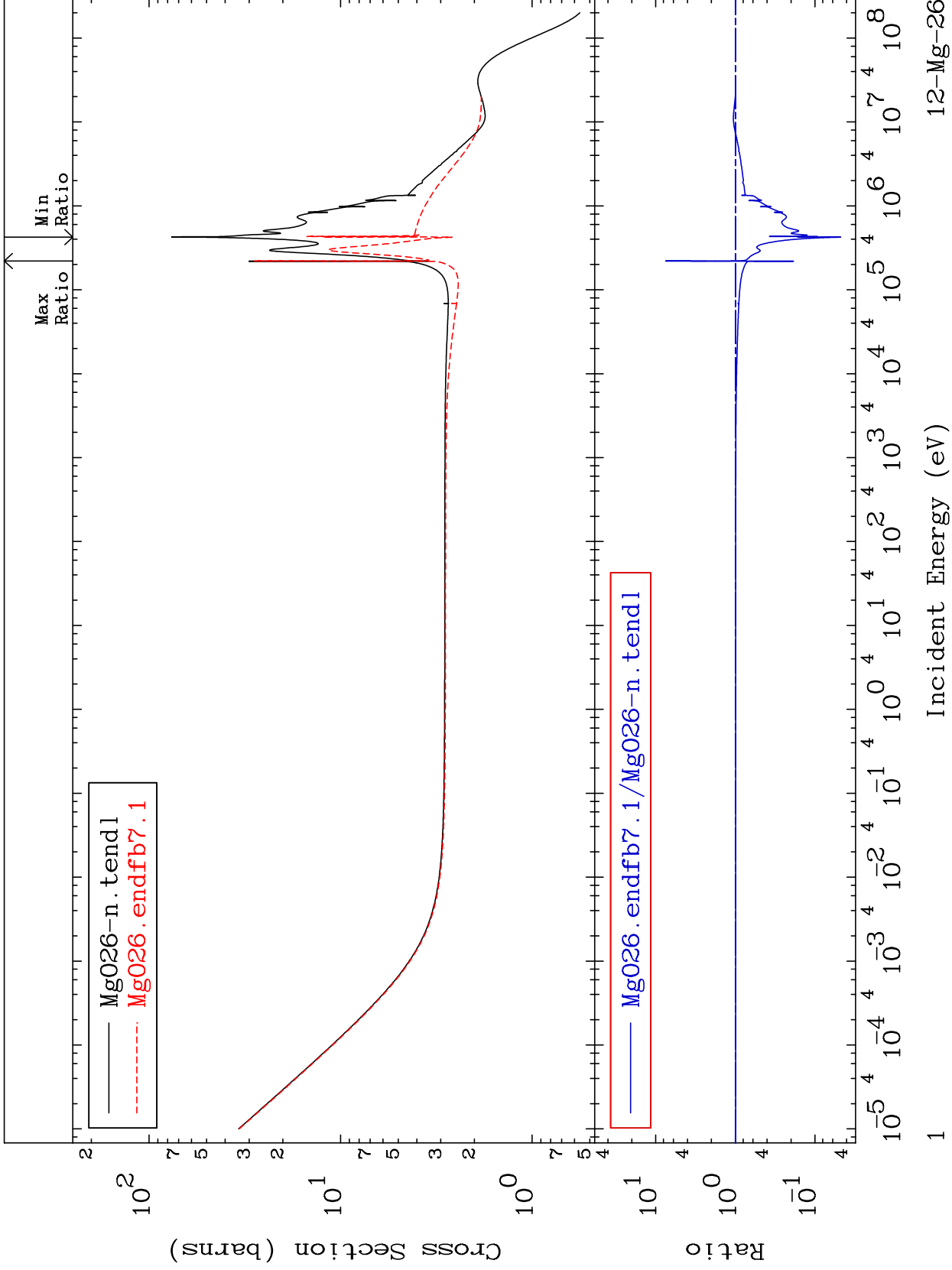


MAT 1231

Total  
Cross Section

12-Mg-26  
-95.24 To 654.6 %

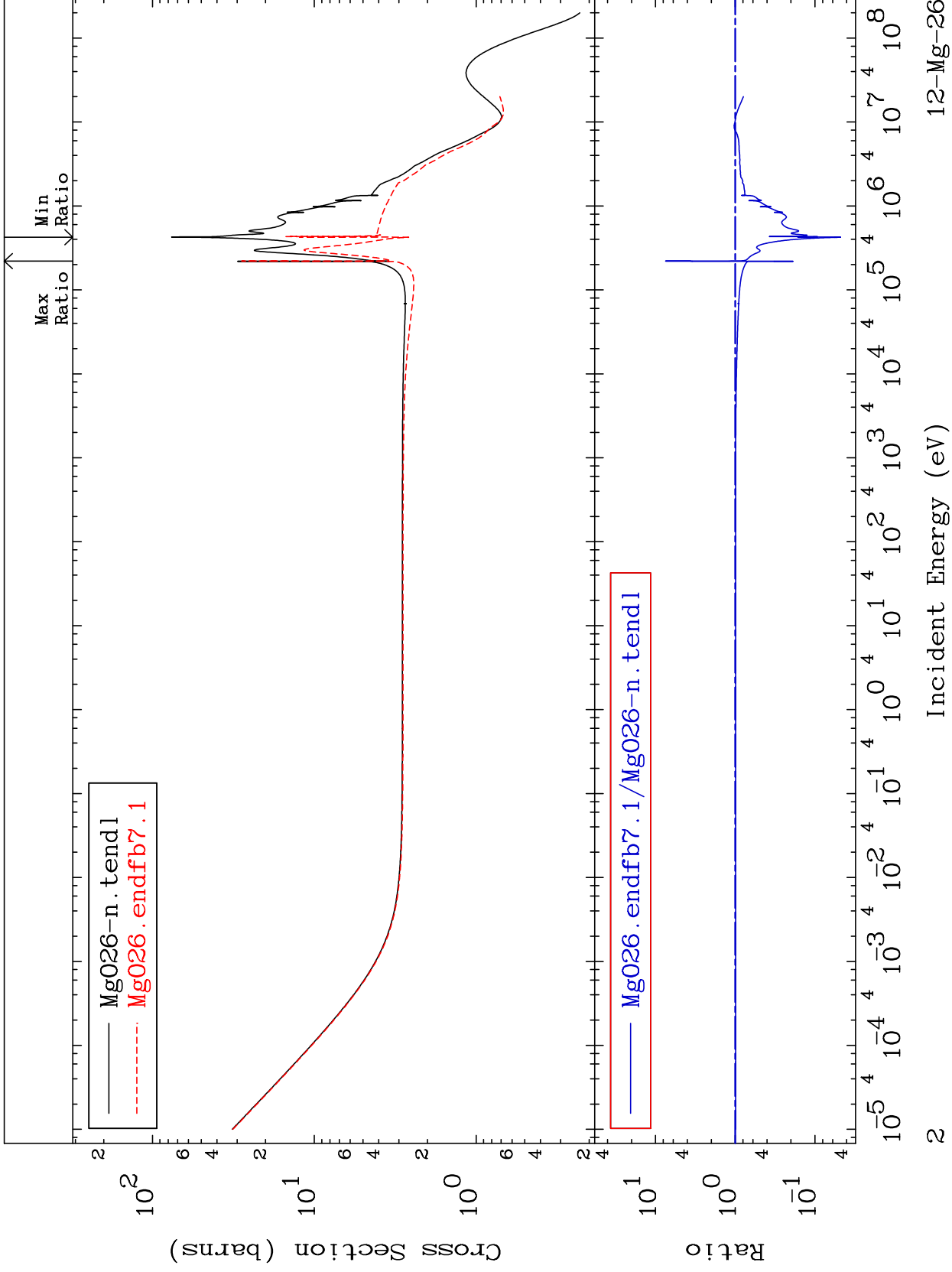


12-Mg-26

MAT 1231

Elastic  
Cross Section

12-Mg-26  
-95.25 To 650.0 %



12-Mg-26

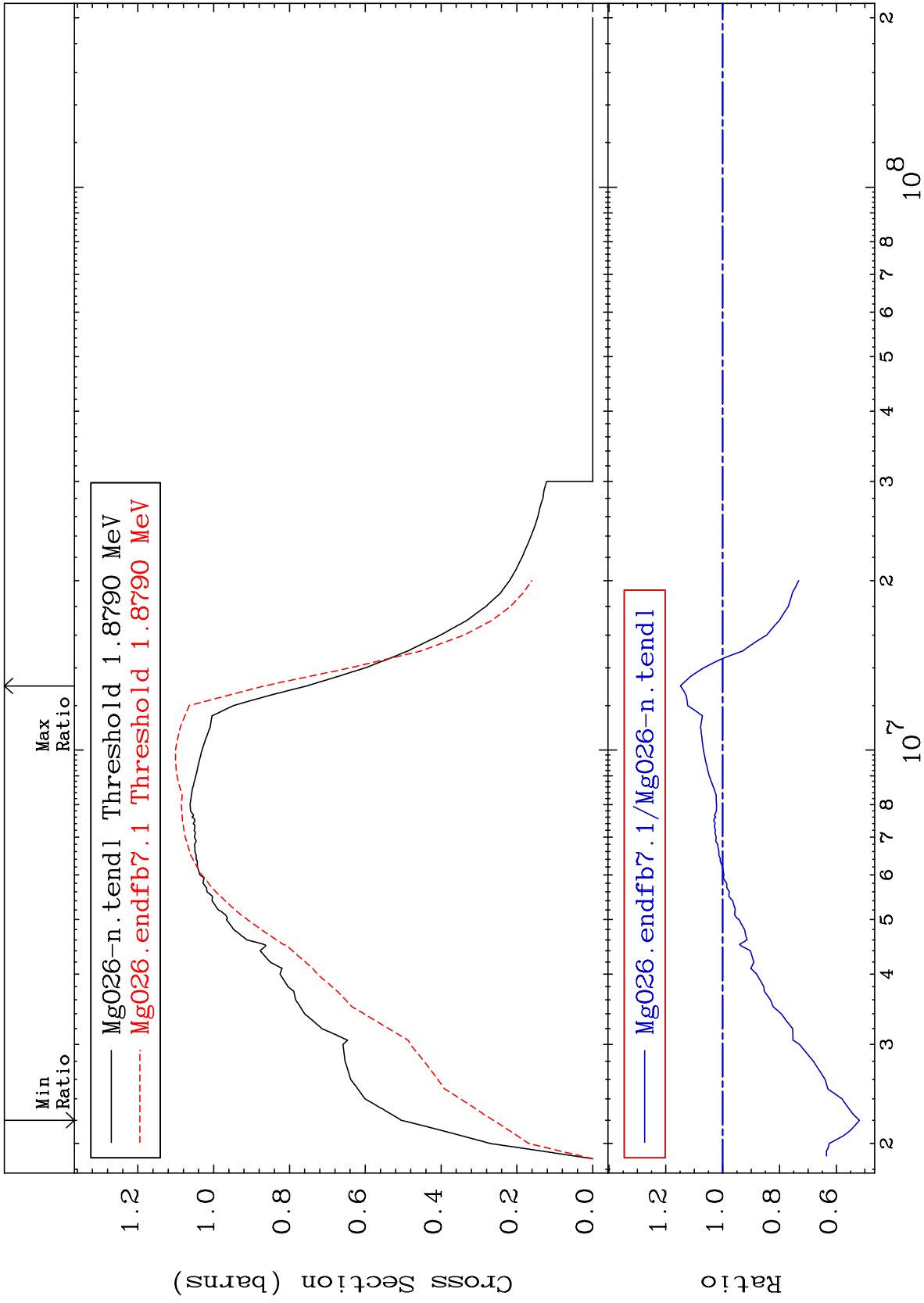
Incident Energy (eV)

2

MAT 1231

Inelastic  
Cross Section

12-Mg-26  
-48.06 To 14.89 %



3

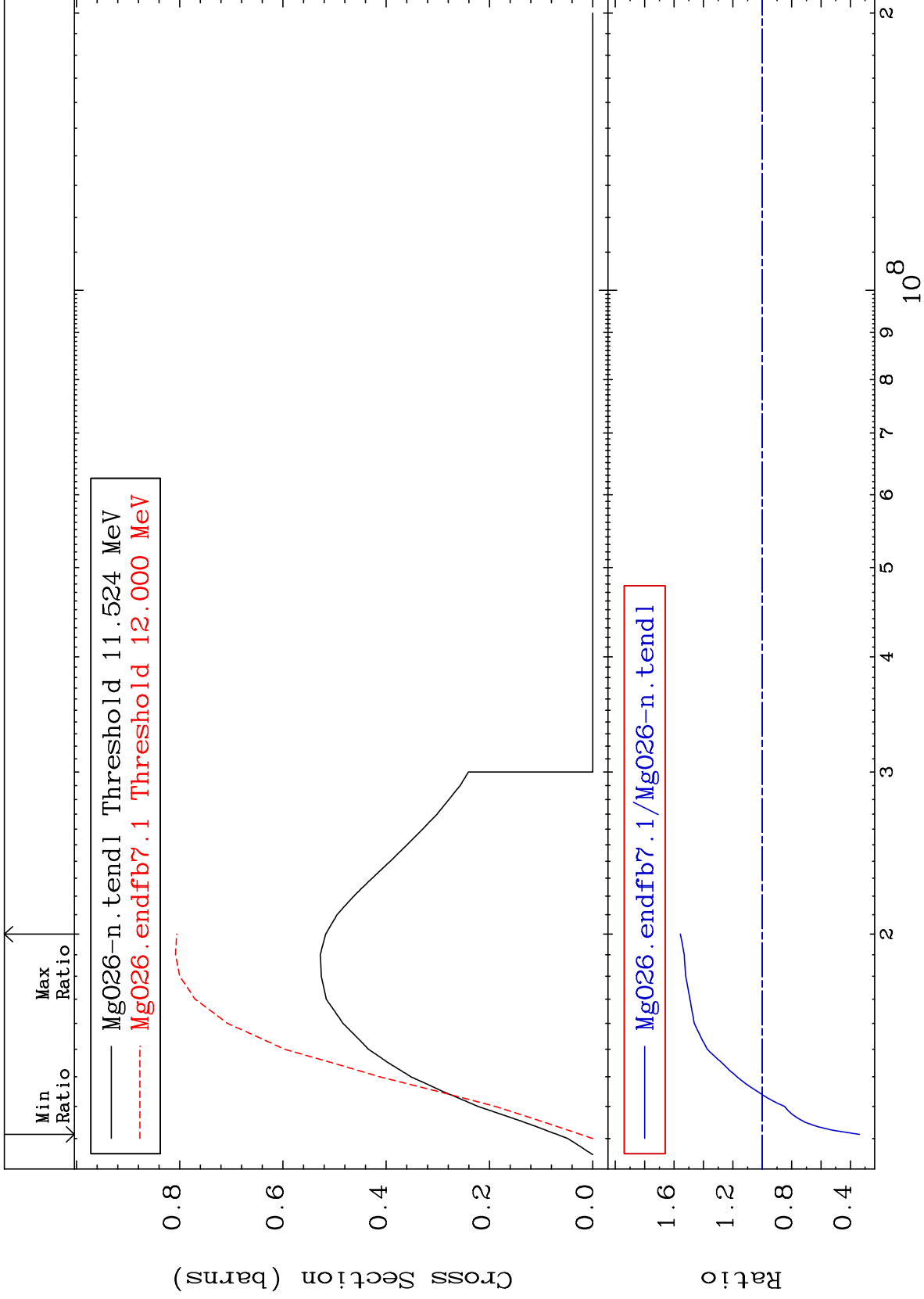
Incident Energy (eV)

12-Mg-26

MAT 1231

(n,2n)  
Cross Section

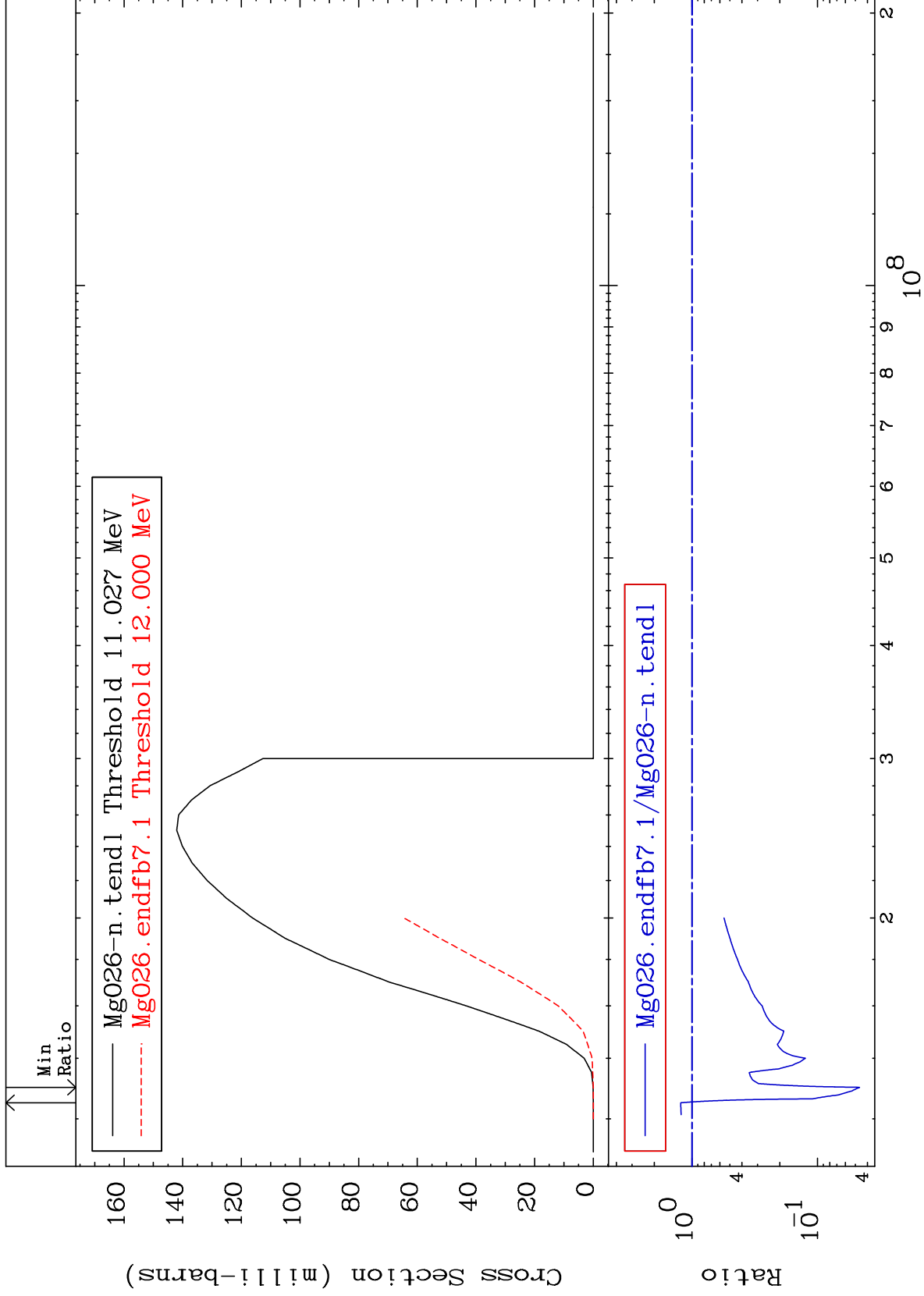
12-Mg-26  
-66.11 To 55.76 %



MAT 1231

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

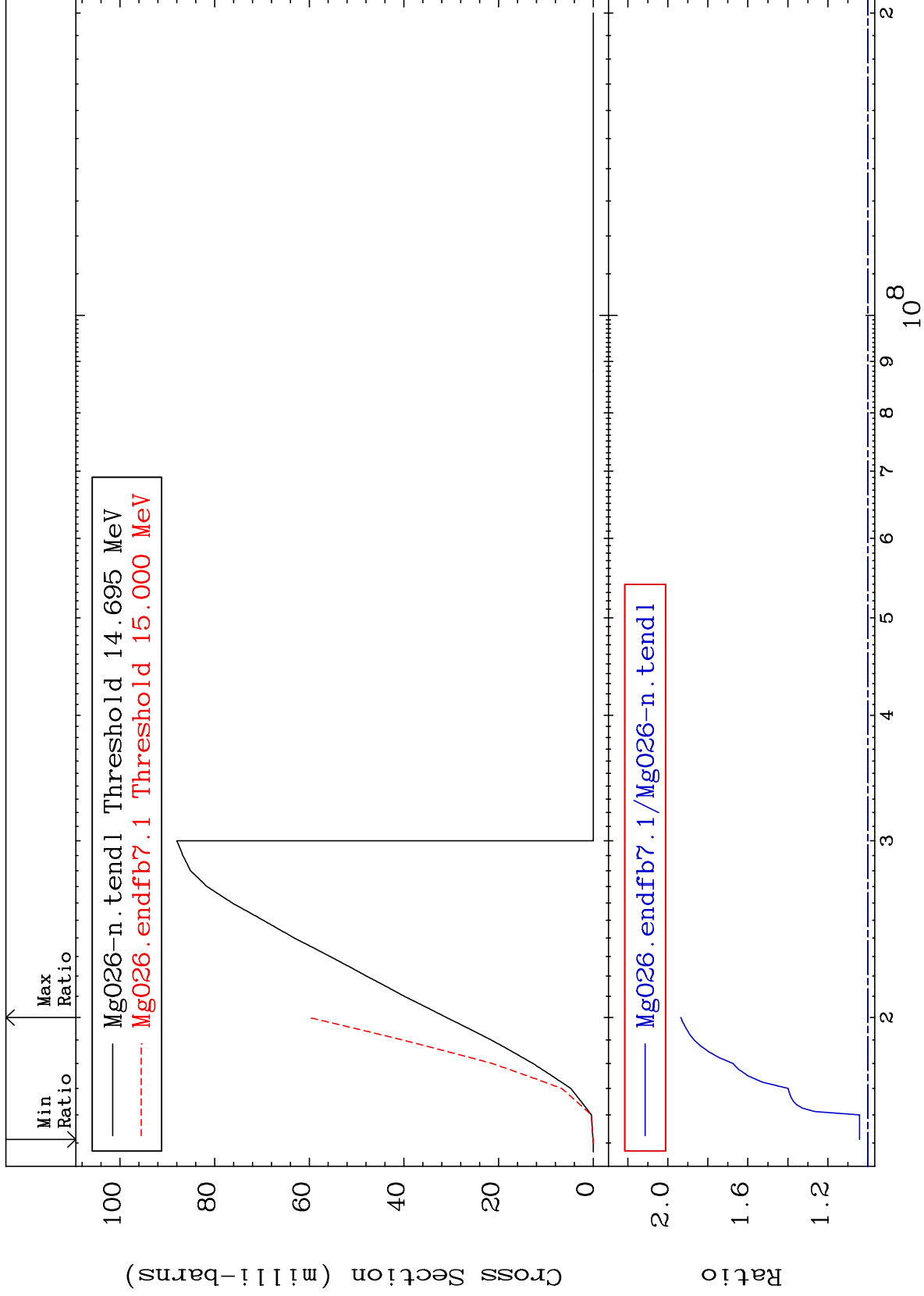
12-Mg-26  
-95.38 To 22.83 %



MAT 1231

(n, n') p  
Cross Section

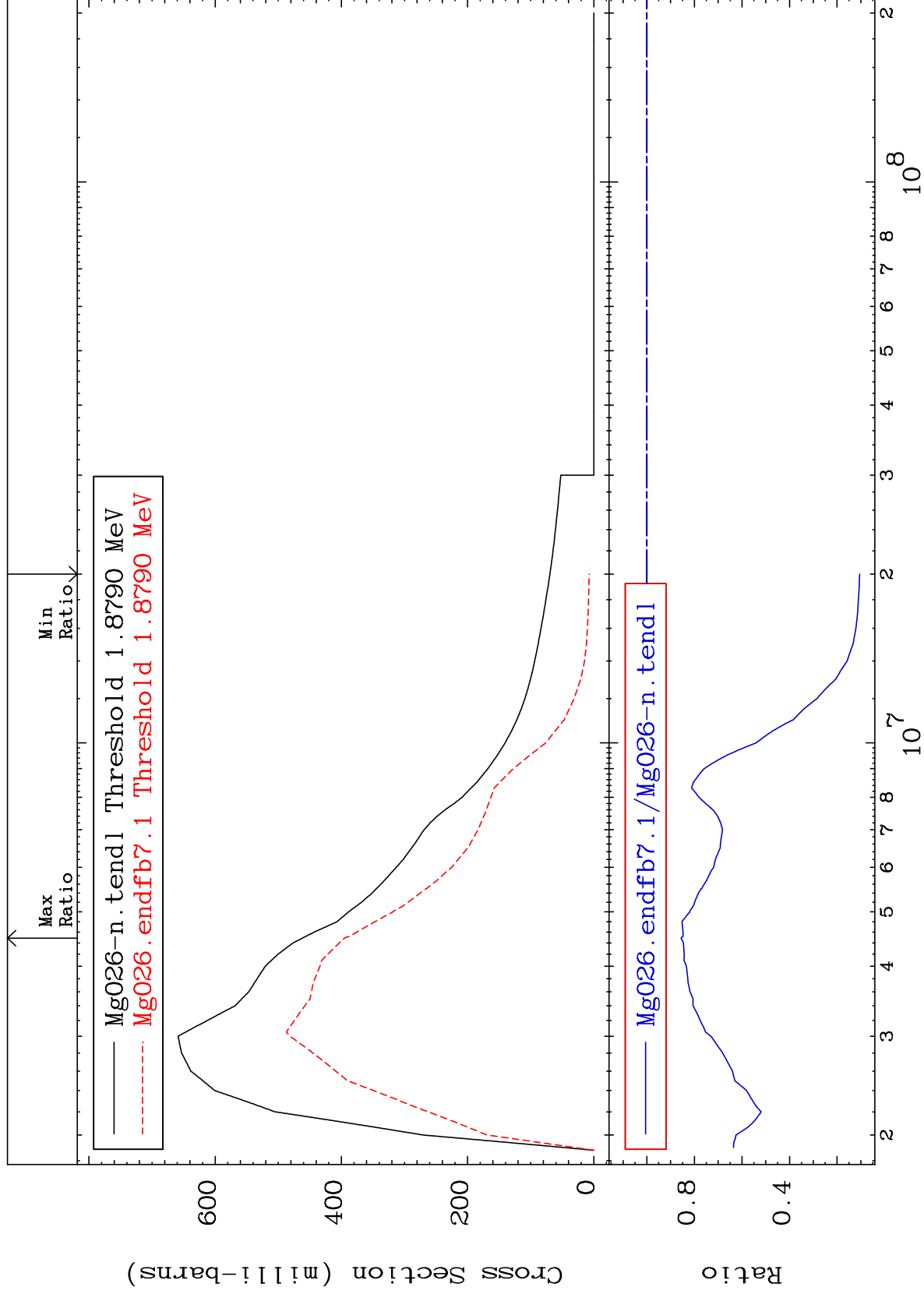
12-Mg-26  
4.130 To 93.56 %



MAT 1231

1.809 MeV (n,n') Level  
Cross Section

12-Mg-26  
-89.50 To -14.43%



7

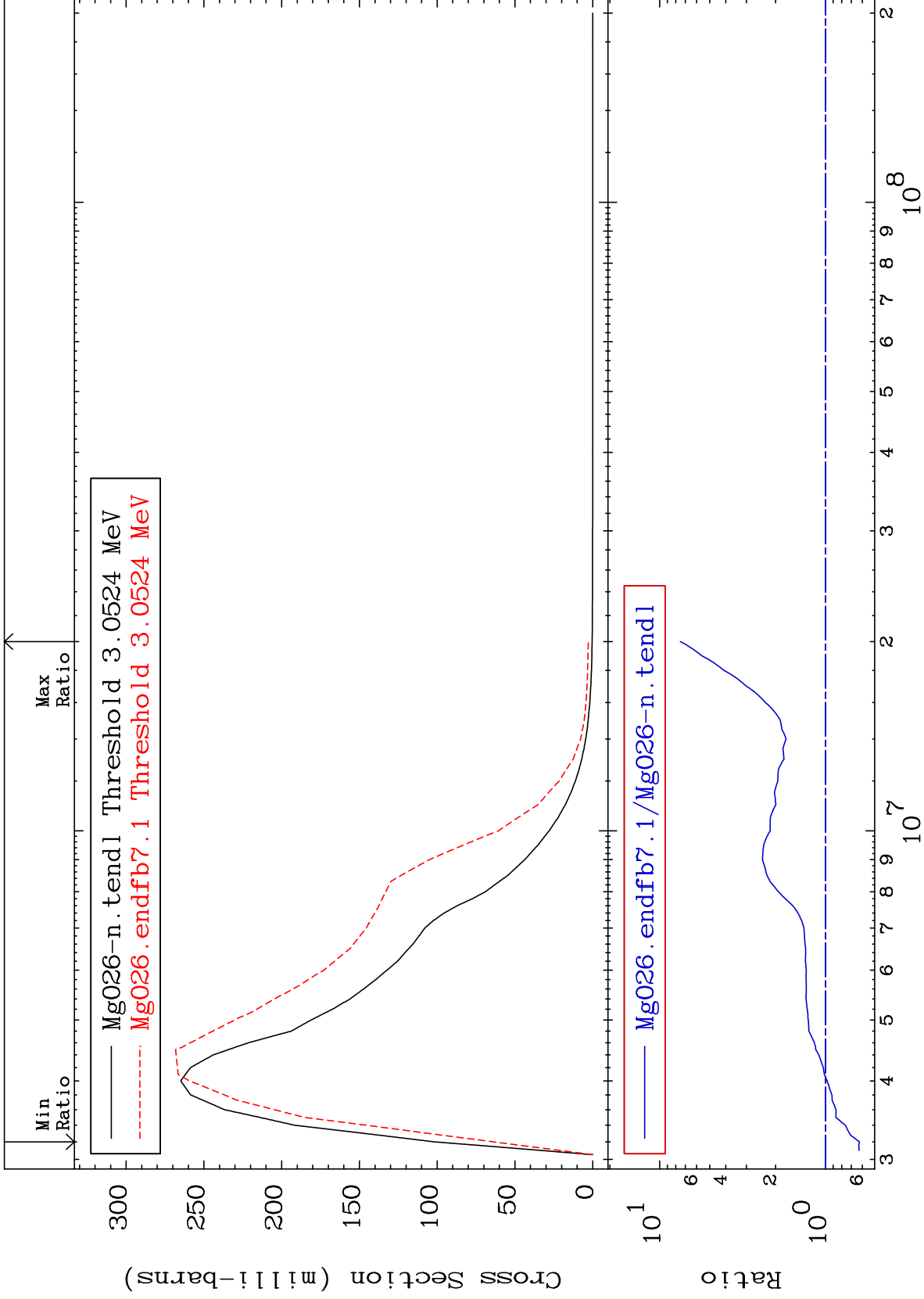
Incident Energy (eV)

12-Mg-26

MAT 1231

2.938 MeV (n,n') Level  
Cross Section

12-Mg-26  
-37.50 To 650.9 %



8

12-Mg-26

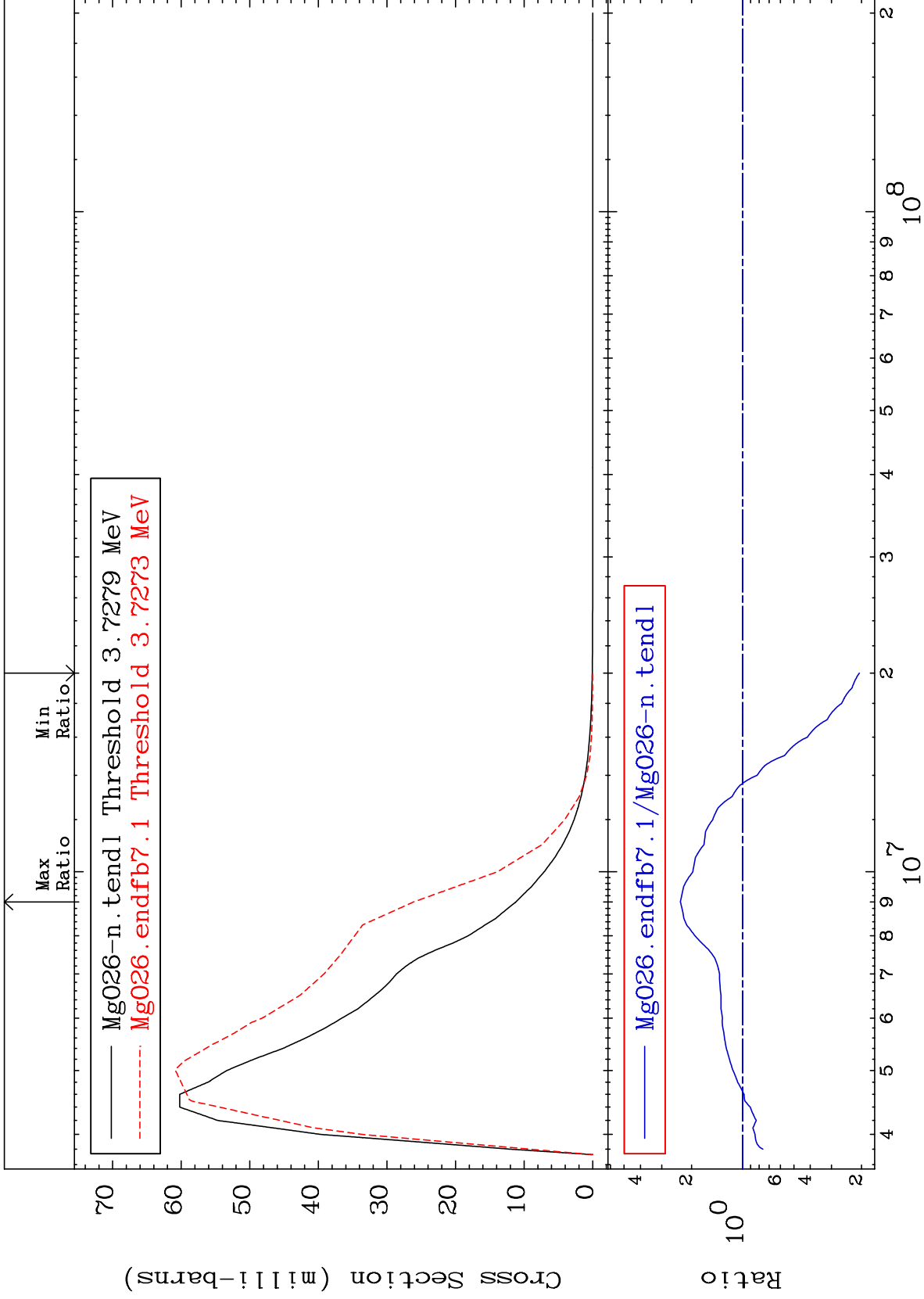
12-Mg-26



MAT 1231

3.589 MeV (n,n') Level  
Cross Section

12-Mg-26  
-79.44 To 132.9 %



9

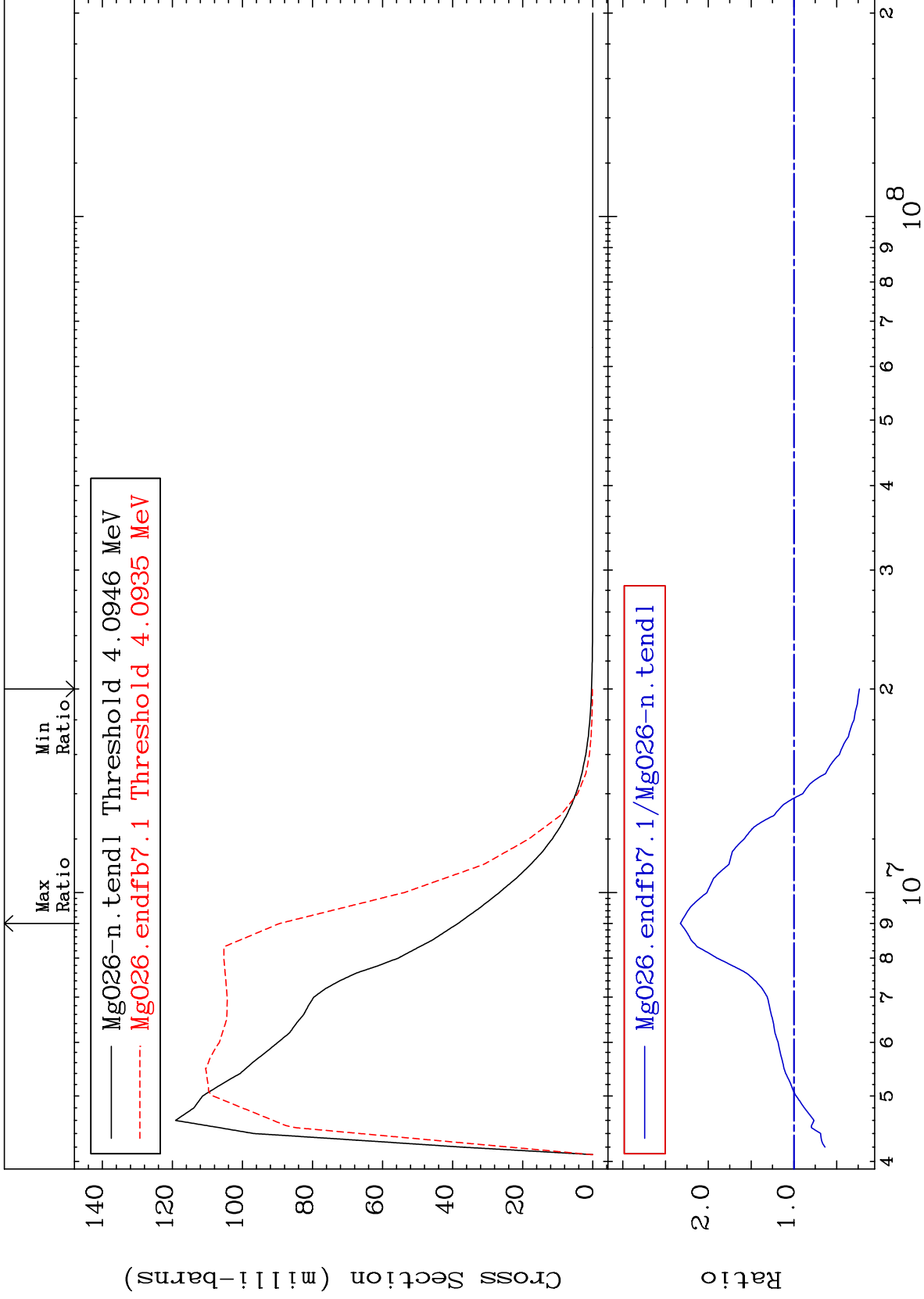
12-Mg-26

12-Mg-26

MAT 1231

3.942 MeV (n,n') Level  
Cross Section

12-Mg-26  
-76.51 To 132.6 %



10

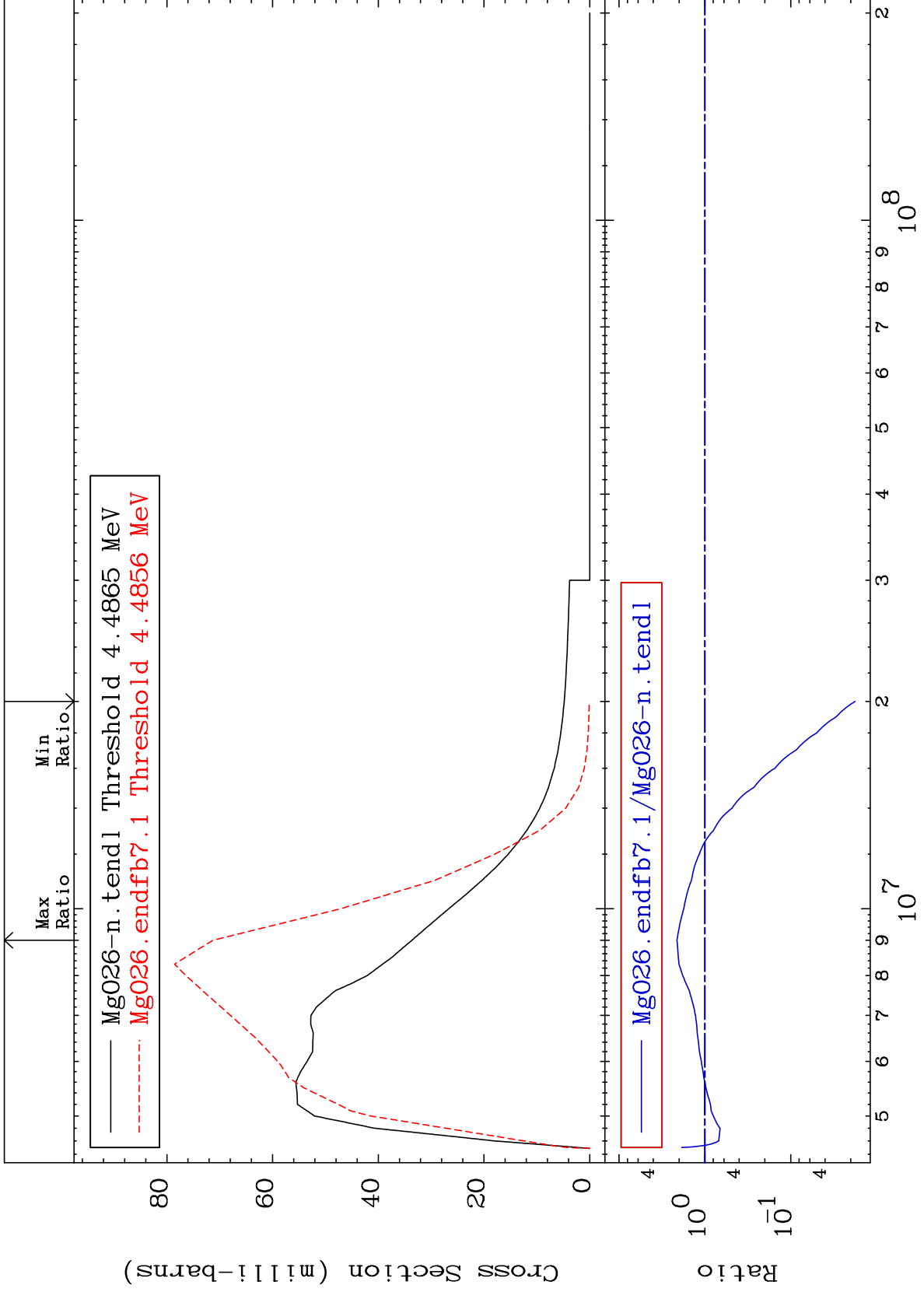
Incident Energy (eV)

12-Mg-26

MAT 1231

4.319 MeV (n,n') Level  
Cross Section

12-Mg-26  
-98.22 To 111.9 %



11

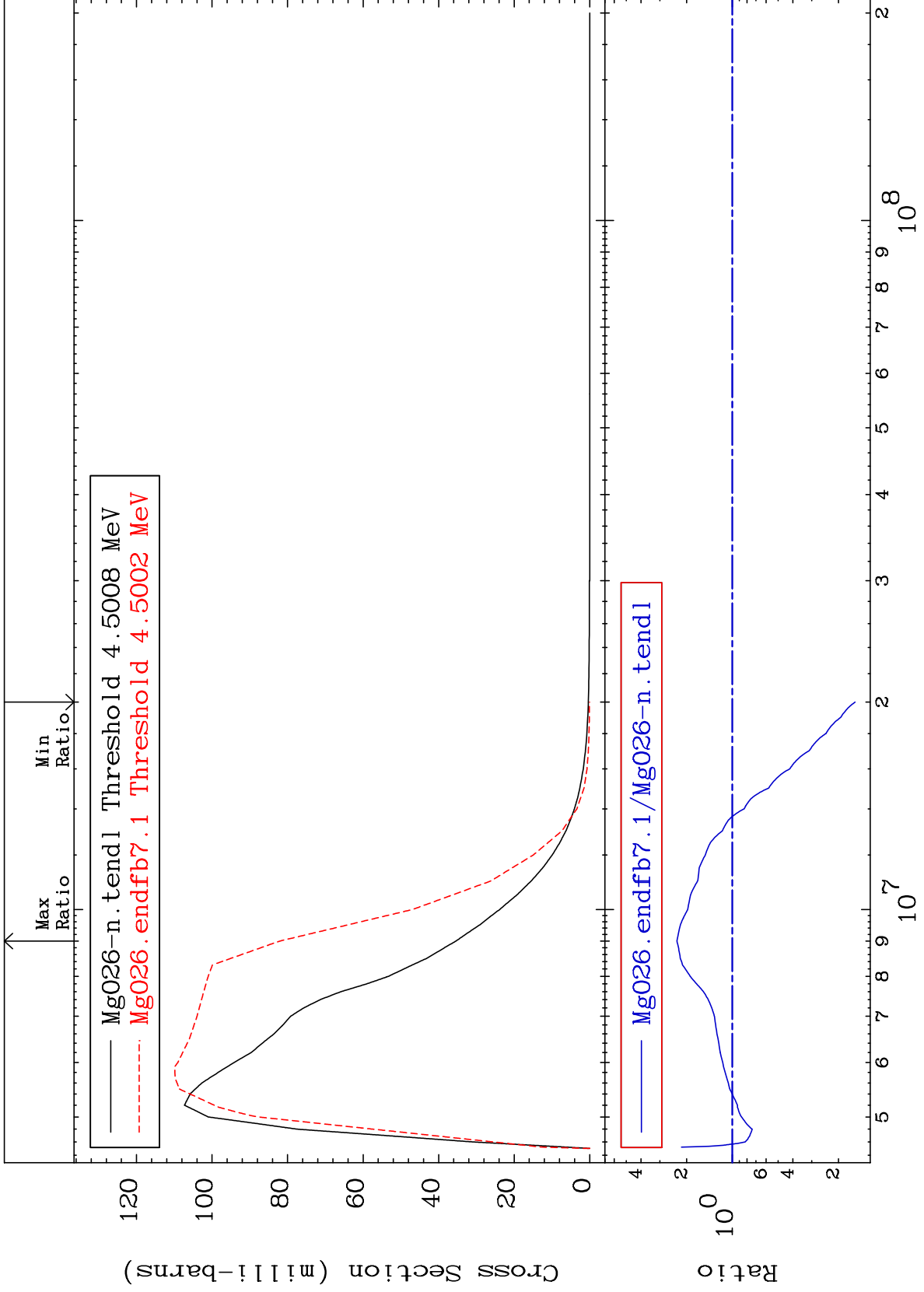
Incident Energy (eV)

12-Mg-26

MAT 1231

4.333 MeV (n,n') Level  
Cross Section

12-Mg-26  
-84.45 To 131.8 %



12

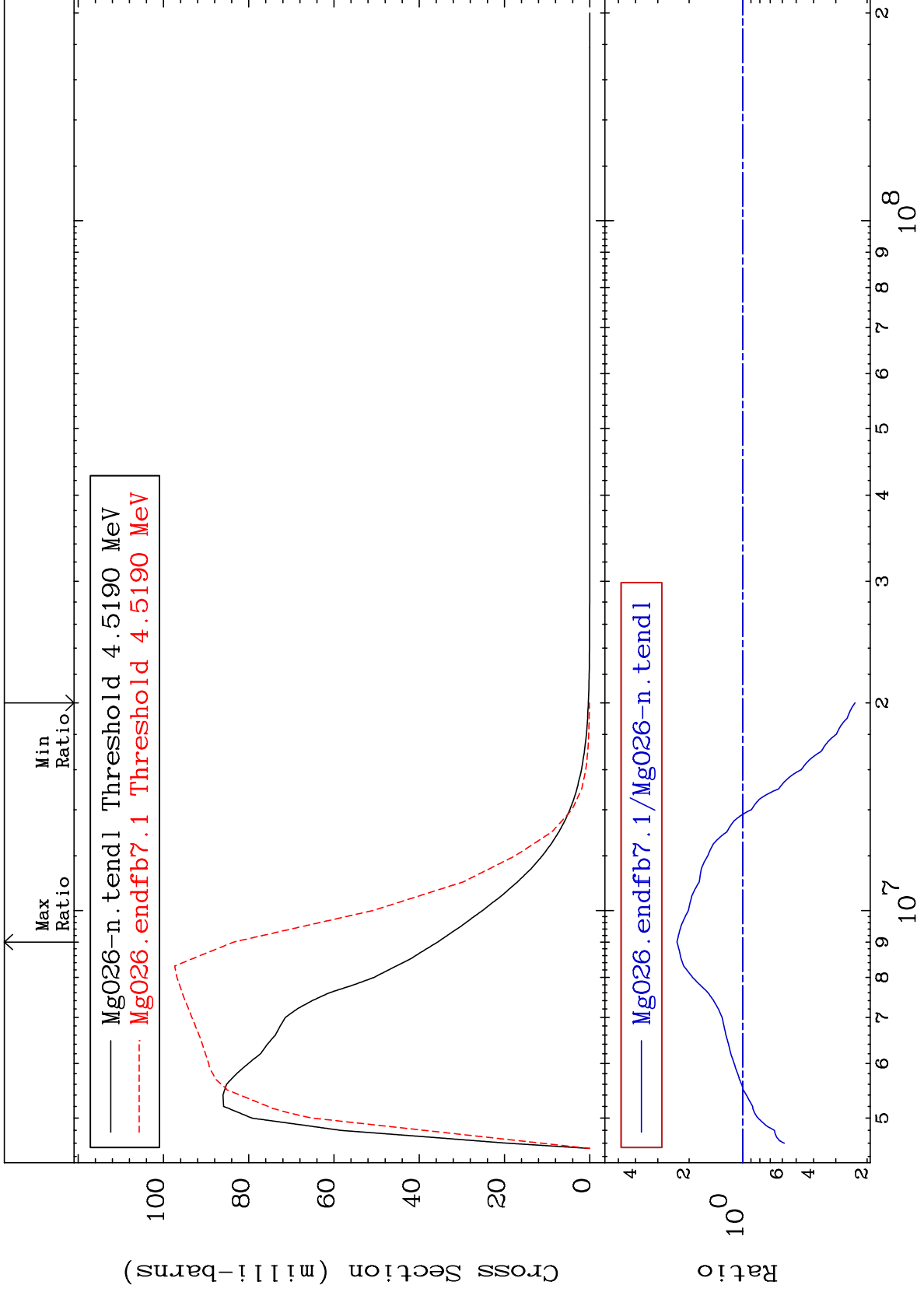
Incident Energy (eV)

12-Mg-26

MAT 1231

4.350 MeV (n,n') Level  
Cross Section

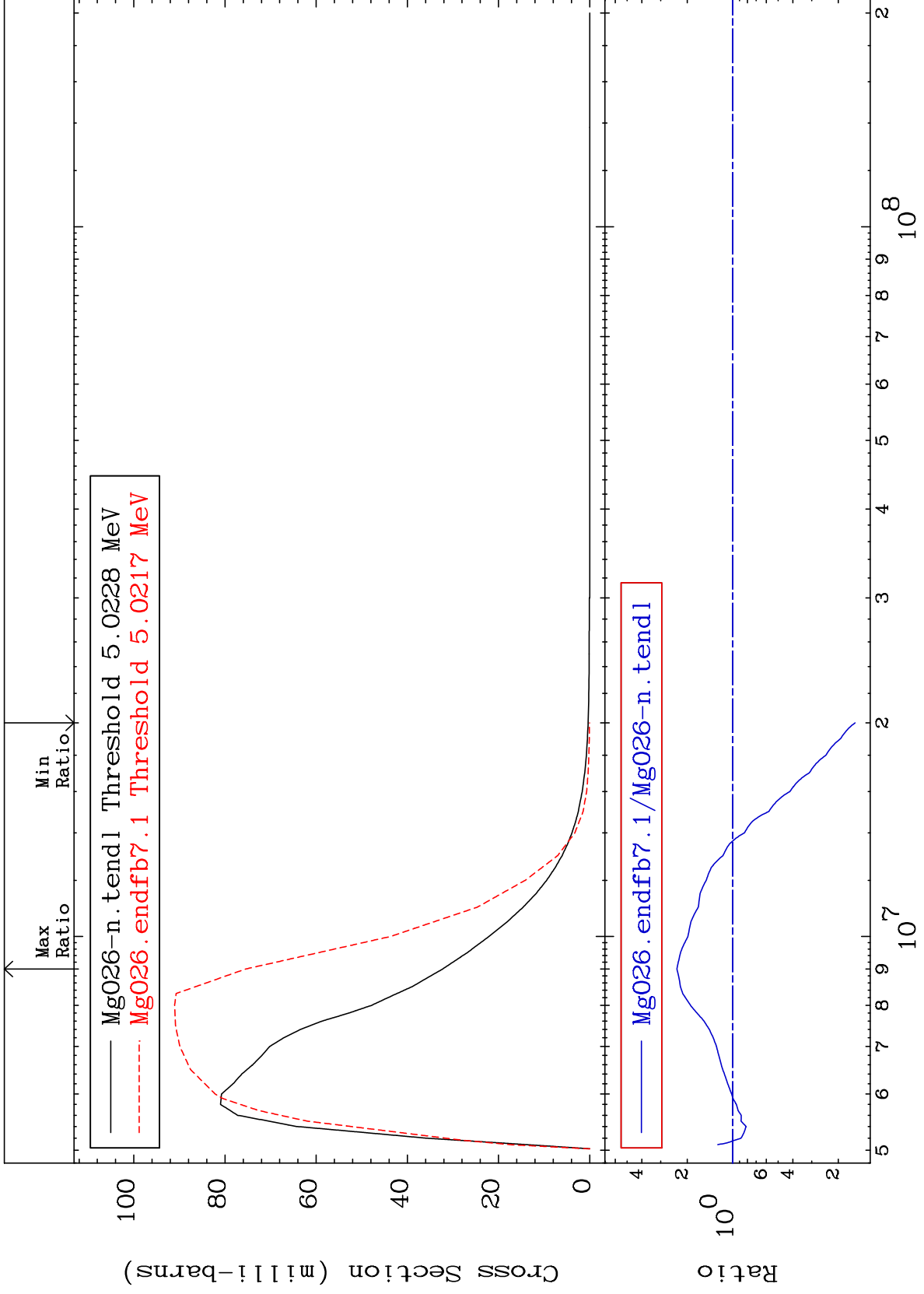
12-Mg-26  
-76.65 To 134.3 %



MAT 1231

4.835 MeV (n,n') Level  
Cross Section

12-Mg-26  
-84.52 To 134.0 %



14

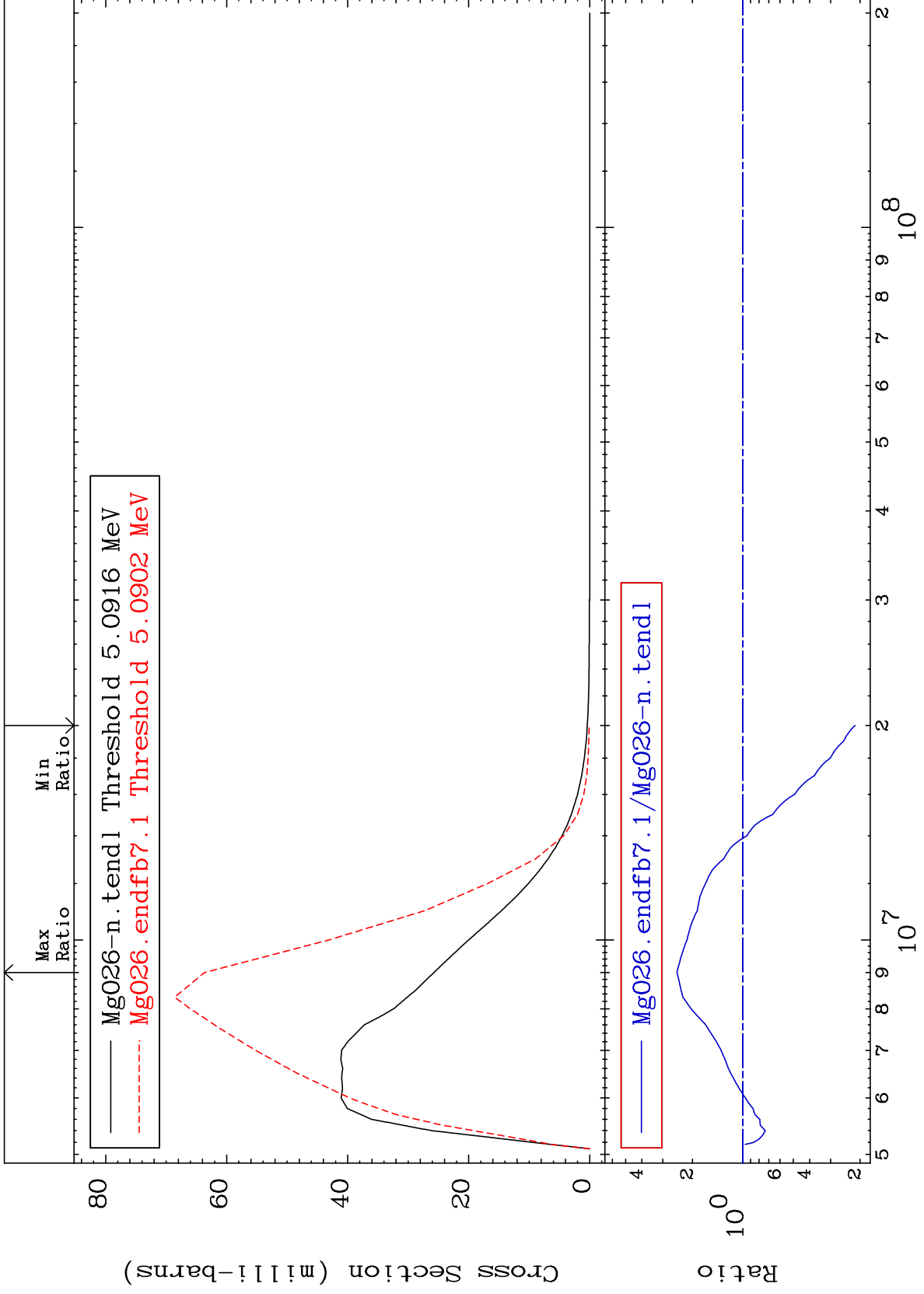
Incident Energy (eV)

12-Mg-26

MAT 1231

4.901 MeV (n,n') Level  
Cross Section

12-Mg-26  
-78.60 To 147.2 %



15

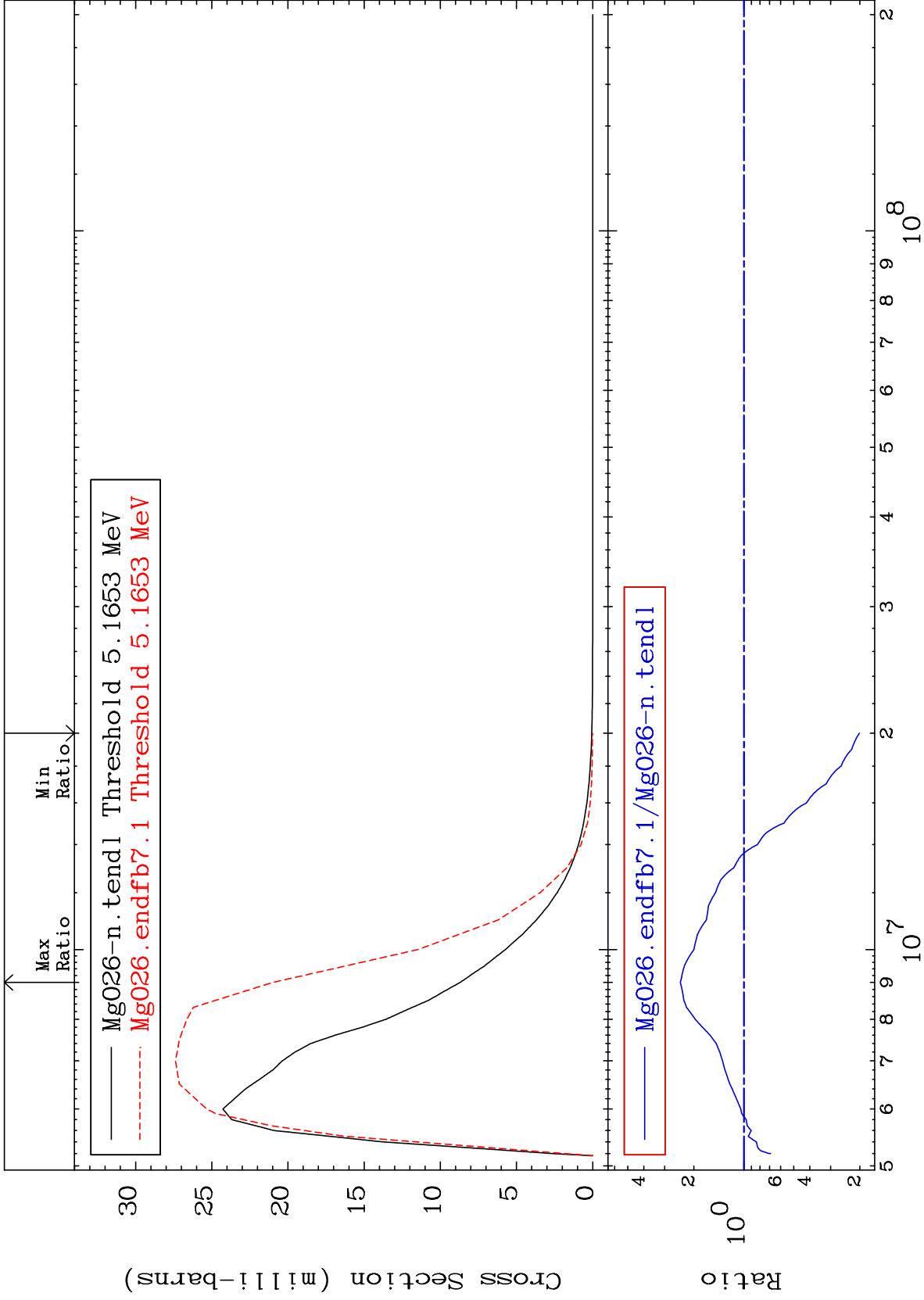
Incident Energy (eV)

12-Mg-26

MAT 1231

4.972 MeV (n,n') Level  
Cross Section

12-Mg-26  
-79.88 To 141.2 %



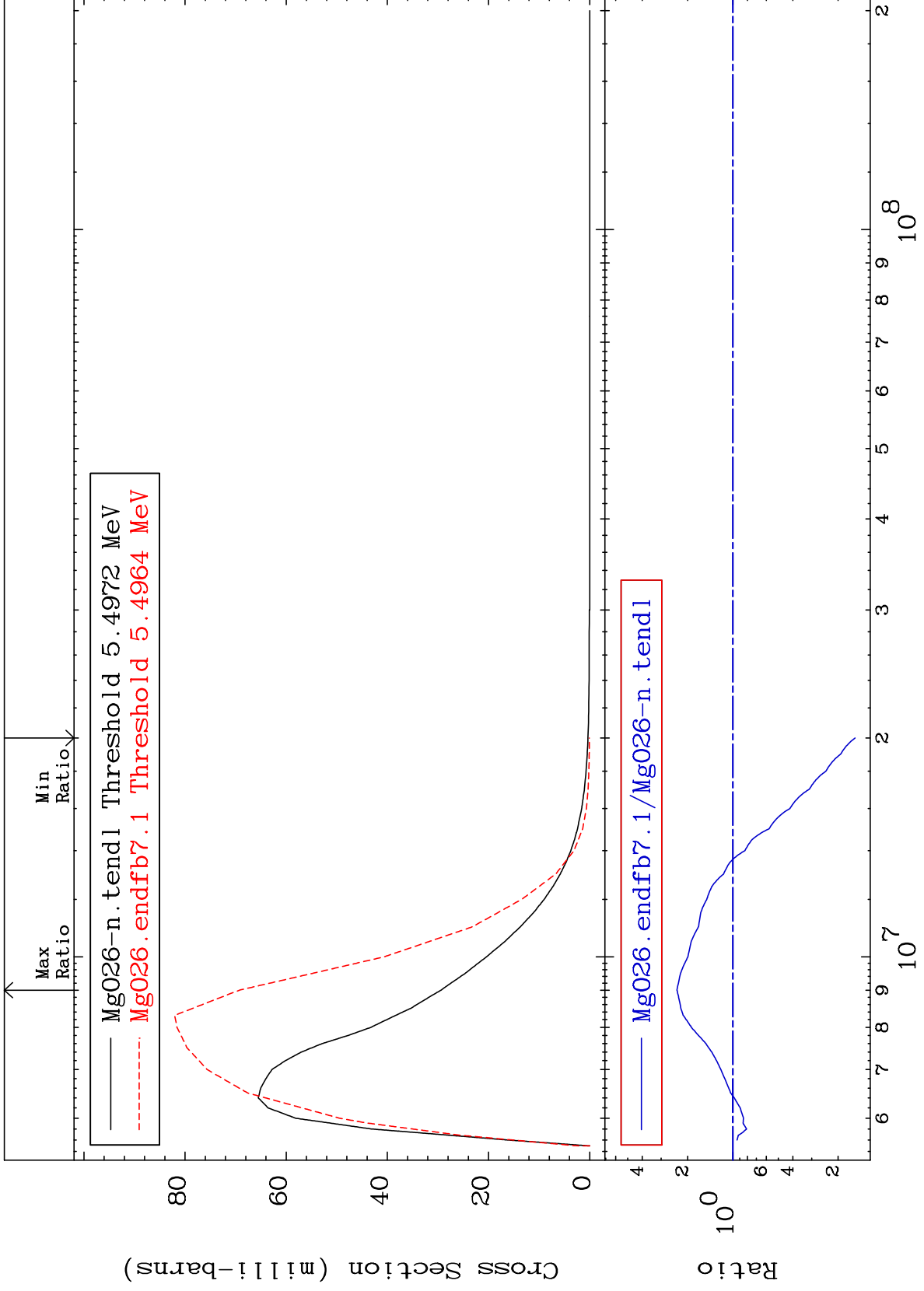
16



MAT 1231

5.292 MeV (n,n') Level  
Cross Section

12-Mg-26  
-84.56 To 135.5 %



17

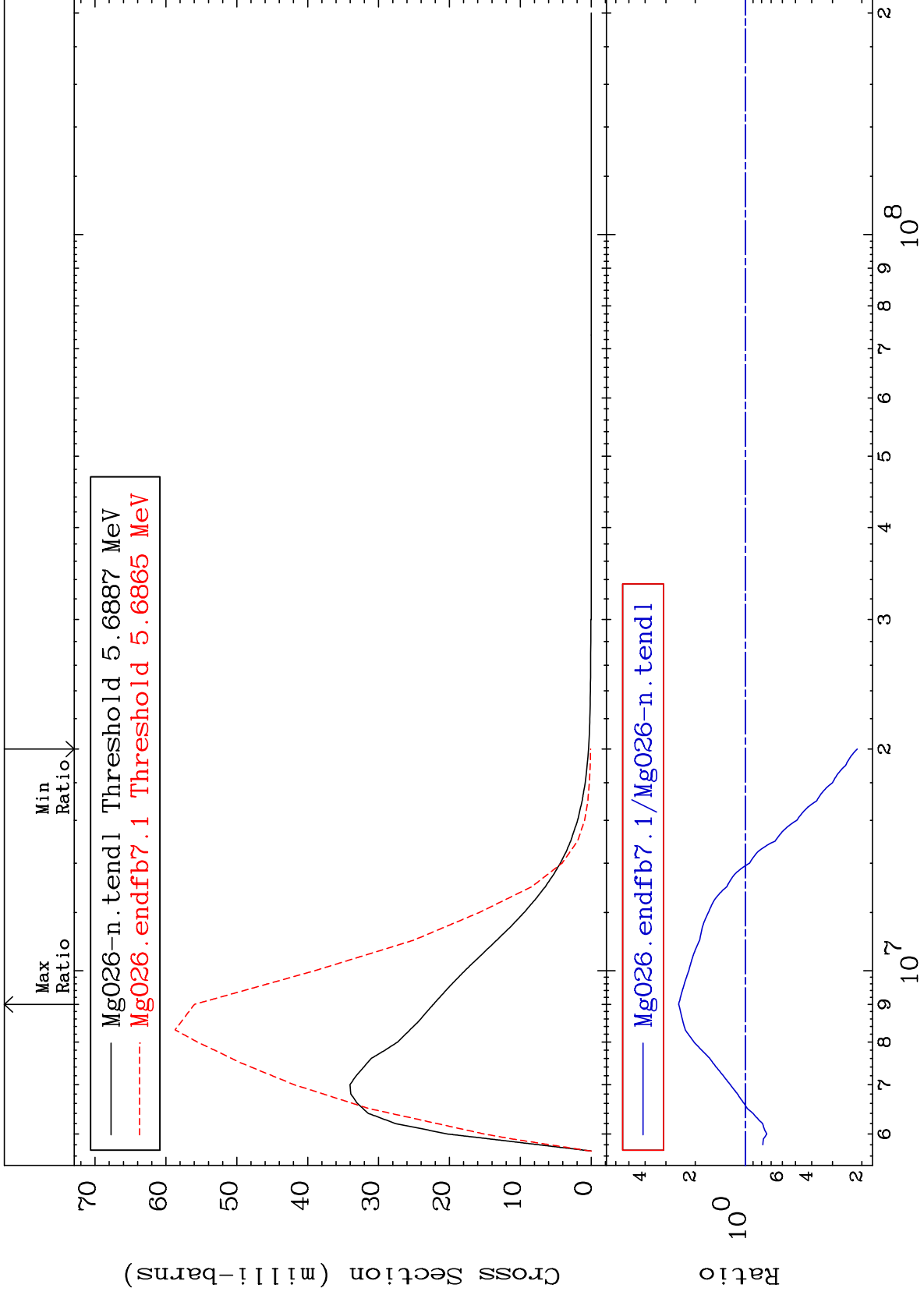
Incident Energy (eV)

12-Mg-26

MAT 1231

5.476 MeV (n,n') Level  
Cross Section

12-Mg-26  
-78.69 To 151.5 %



18

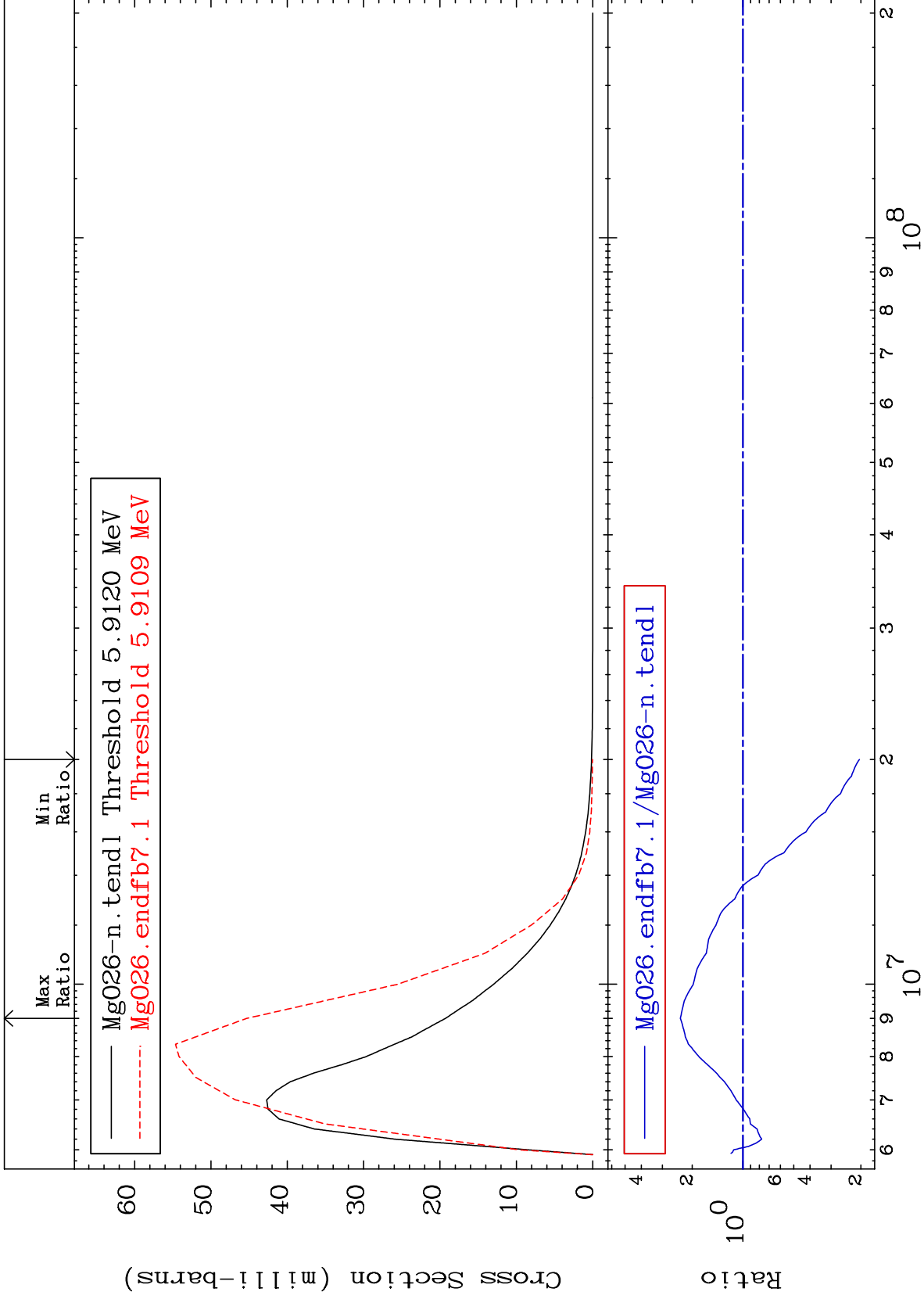
Incident Energy (eV)

12-Mg-26

MAT 1231

5.691 MeV (n,n') Level  
Cross Section

12-Mg-26  
-79.60 To 135.0 %



19

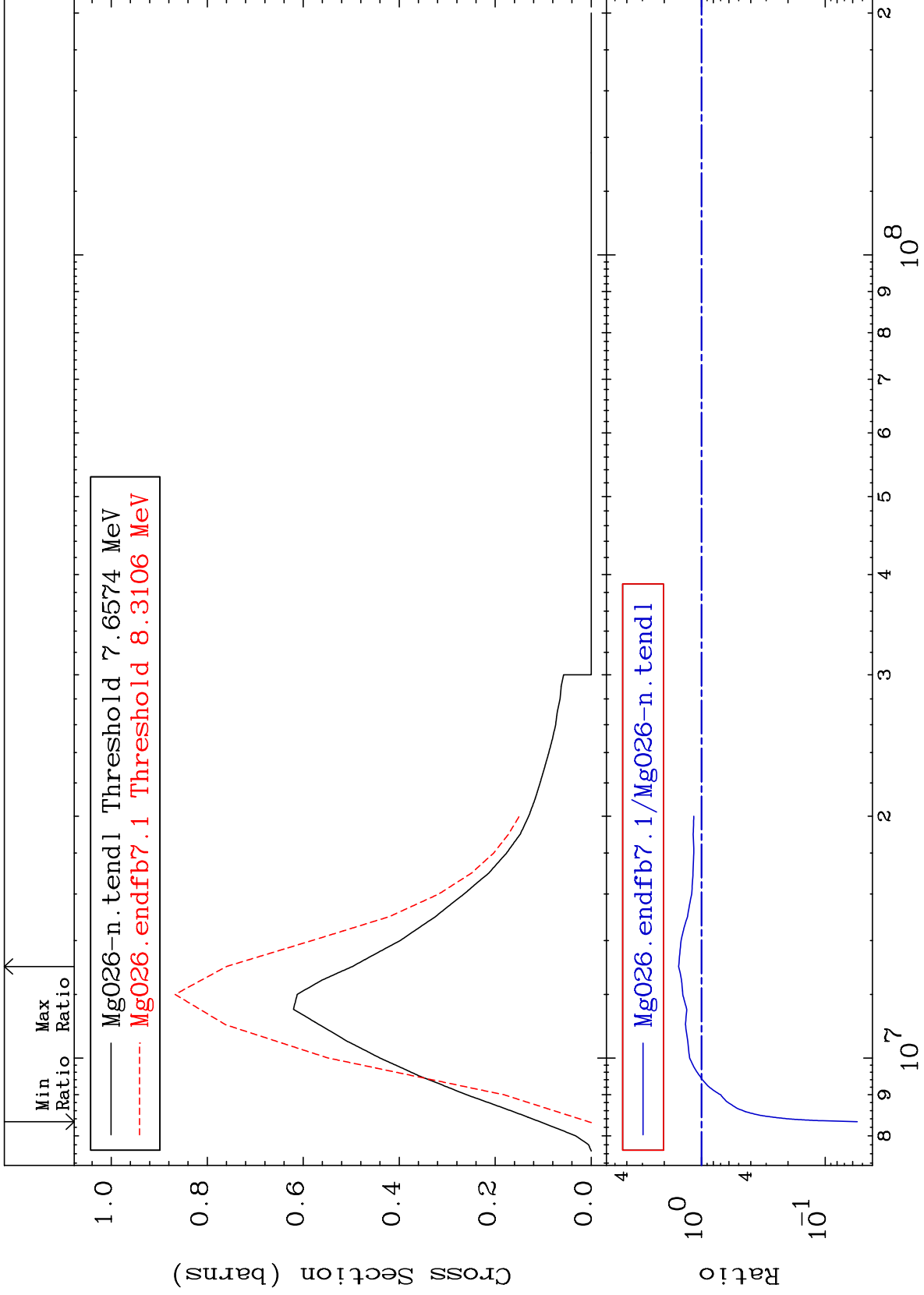
12-Mg-26

12-Mg-26

MAT 1231

(n, n') Continuum  
Cross Section

12-Mg-26  
-94.49 To 52.76 %



20

12-Mg-26

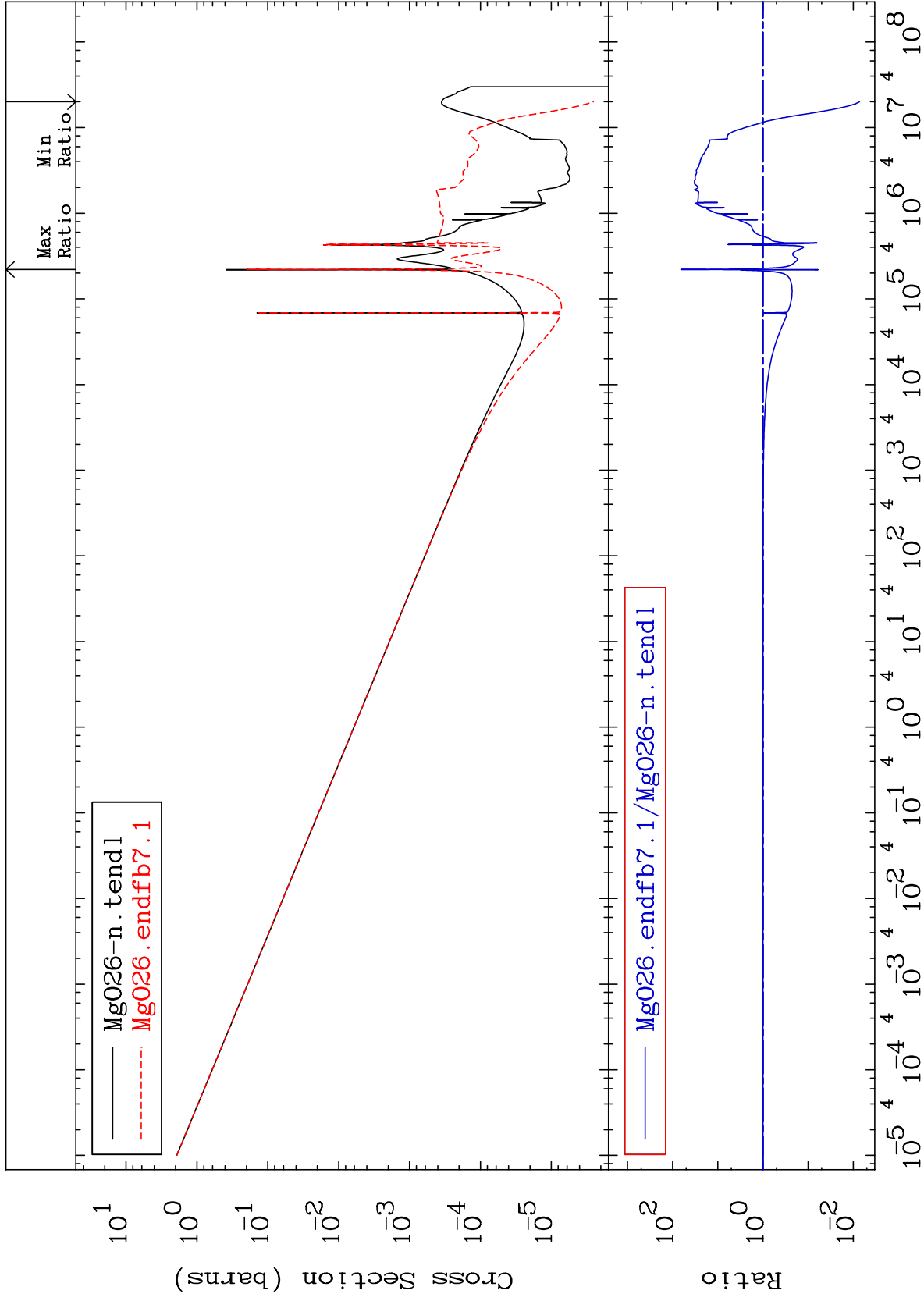
MAT 1231

(n,  $\gamma$ )

12-Mg-26

Cross Section

-99.28 To 6502. %



21

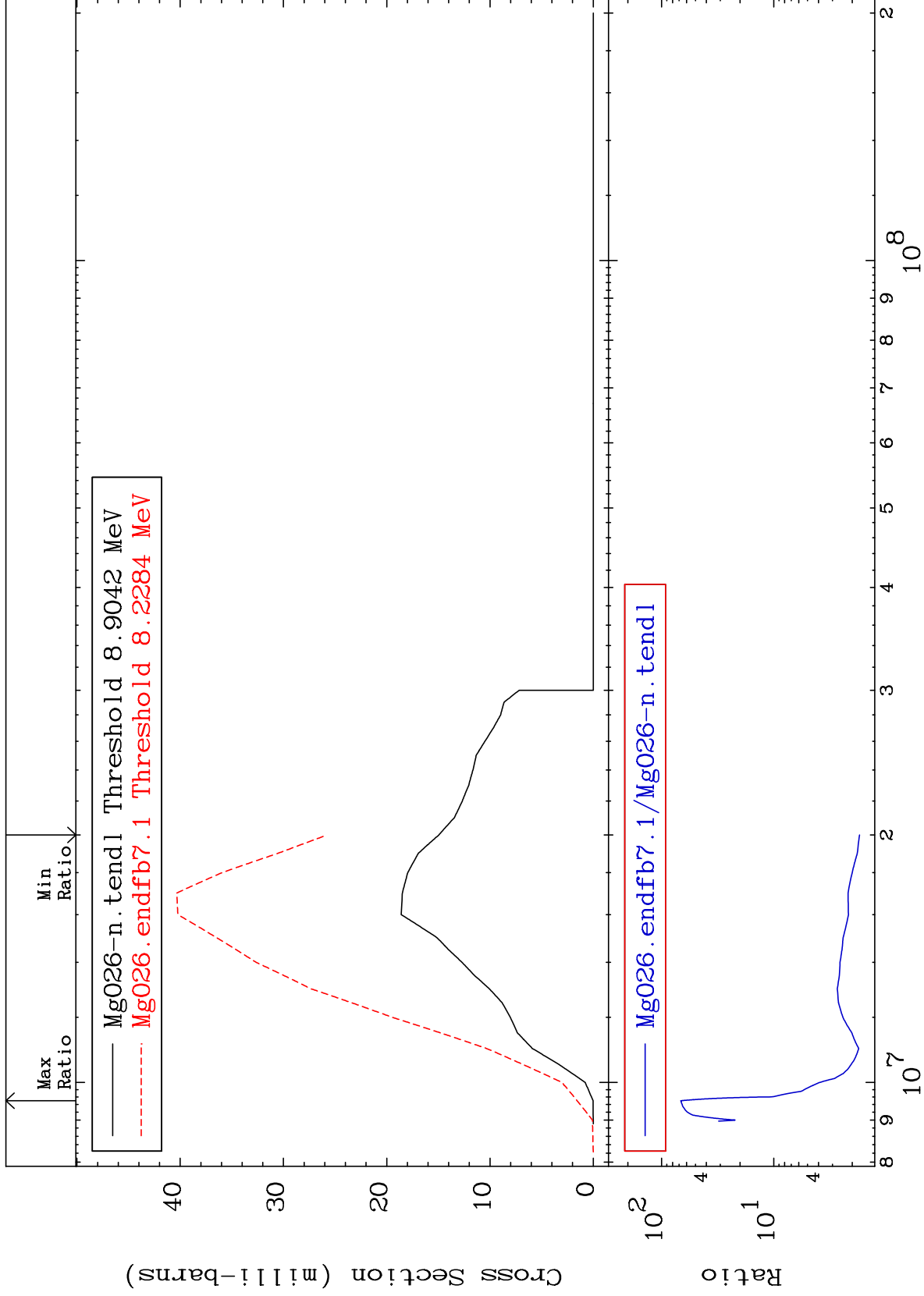
Incident Energy (eV)

12-Mg-26

MAT 1231

(n,p)  
Cross Section

12-Mg-26  
72.16 To 6652. %



22

12-Mg-26

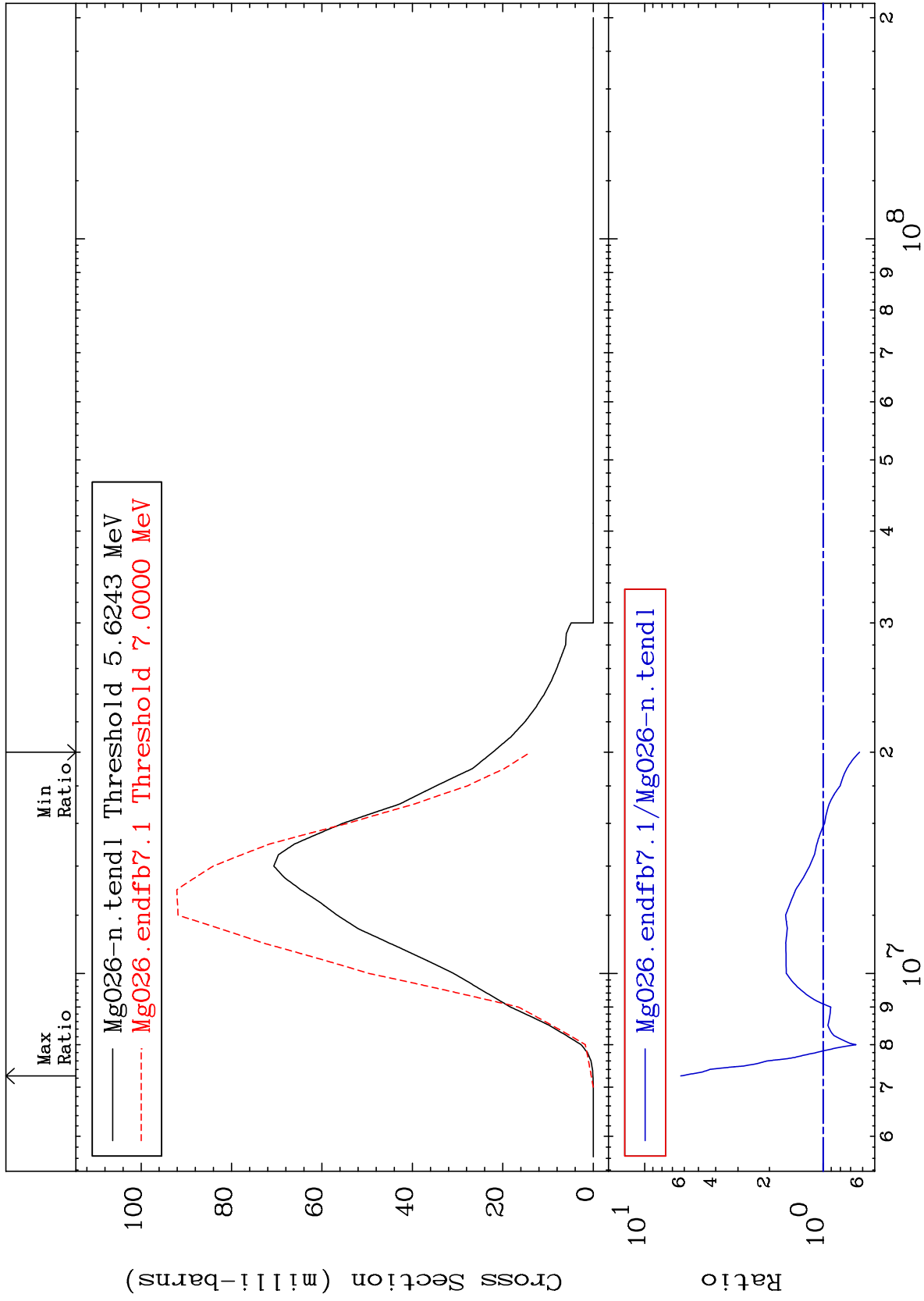
MAT 1231

(n,  $\alpha$ )

12-Mg-26

Cross Section

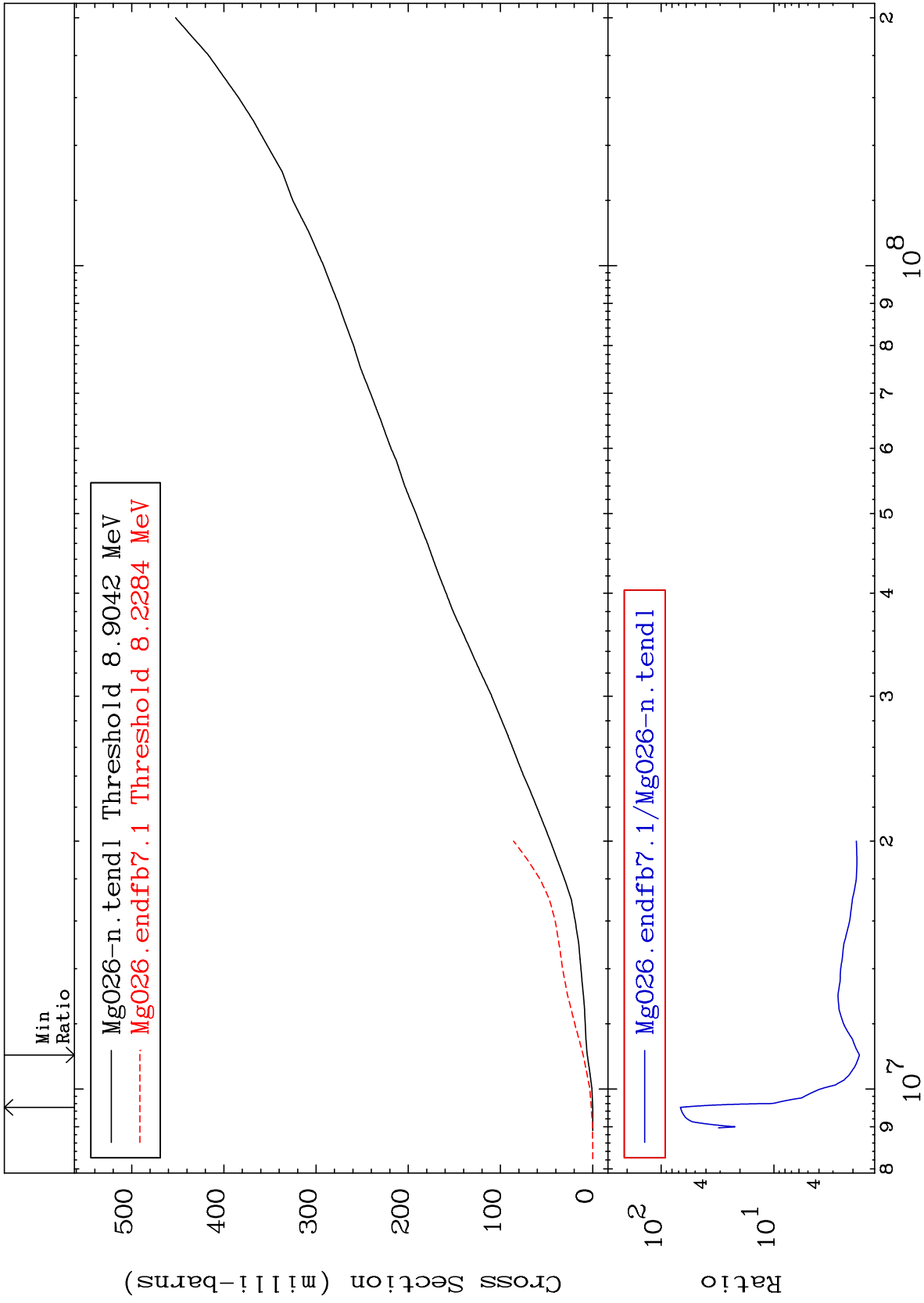
-37.58 To 527.5 %



MAT 1231

Hydrogen Production  
Cross Section

12-Mg-26  
75.10 To 6652. %



24

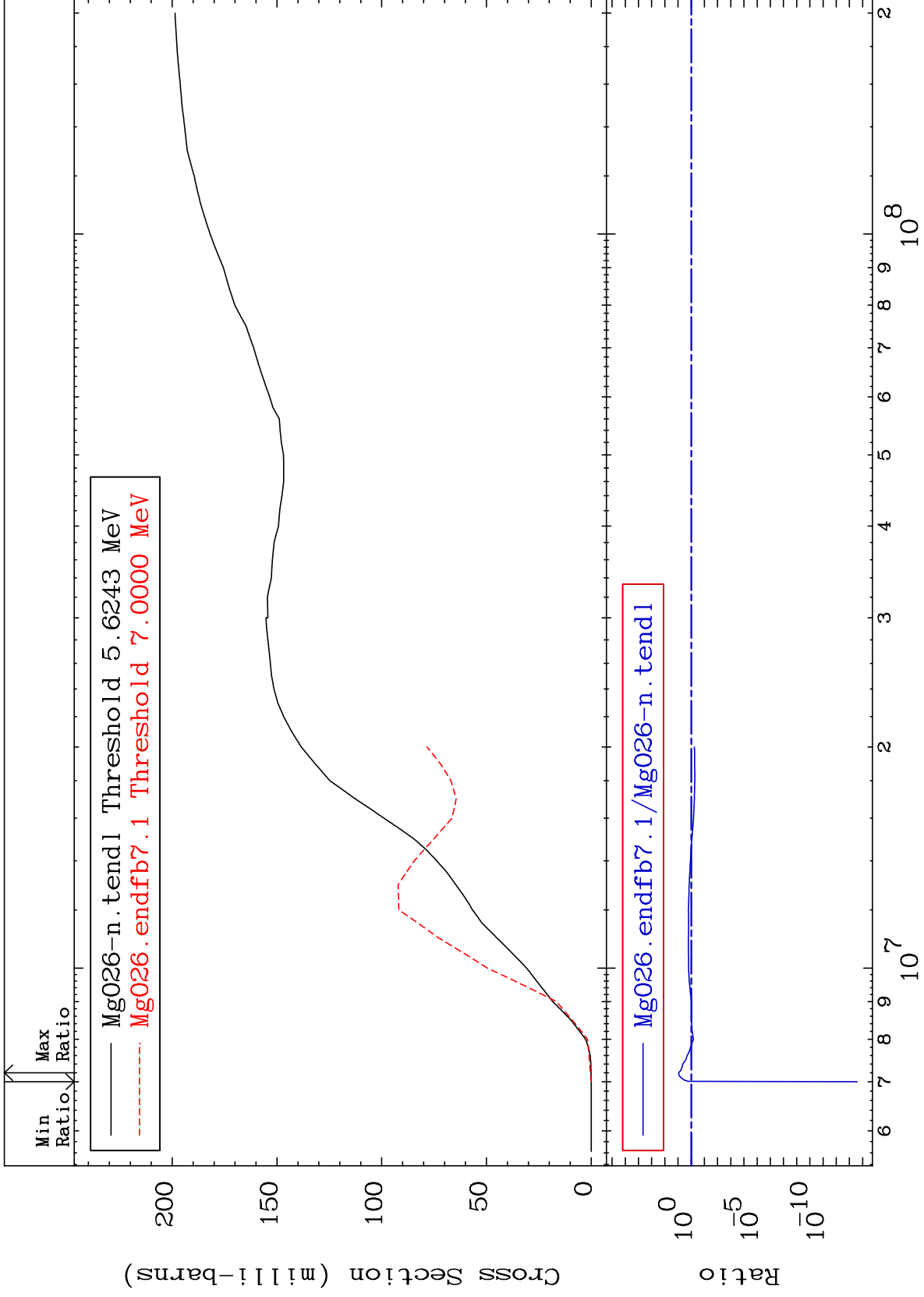
12-Mg-26



MAT 1231

He-4 Production  
Cross Section

12-Mg-26  
-100.0 To 797.8 %



25

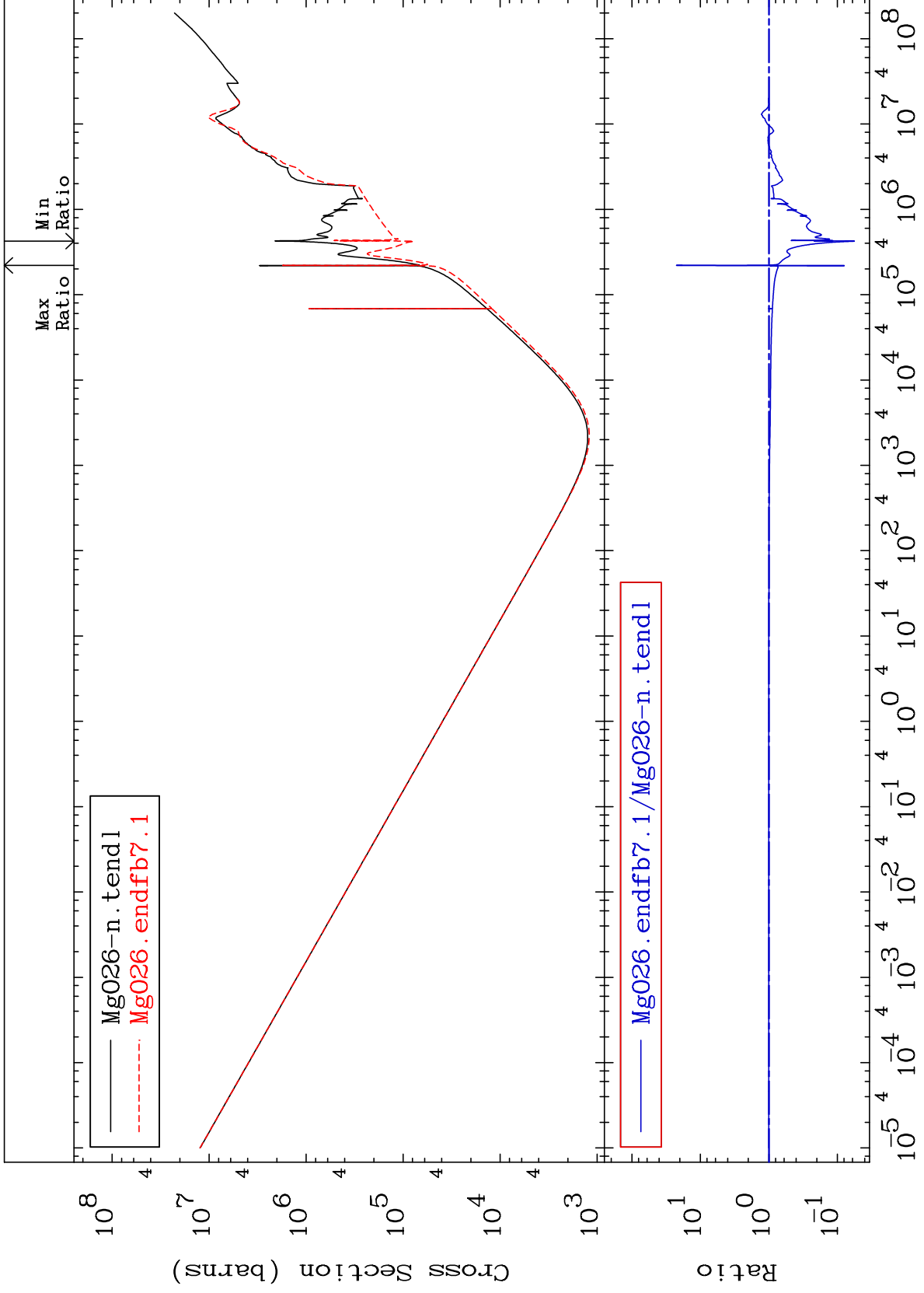
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma total (eV-barns)  
Cross Section

12-Mg-26  
-94.35 To 2142. %



Mg026-n.tendl  
Mg026.endfb7.1

Mg026.endfb7.1/Mg026-n.tendl

26

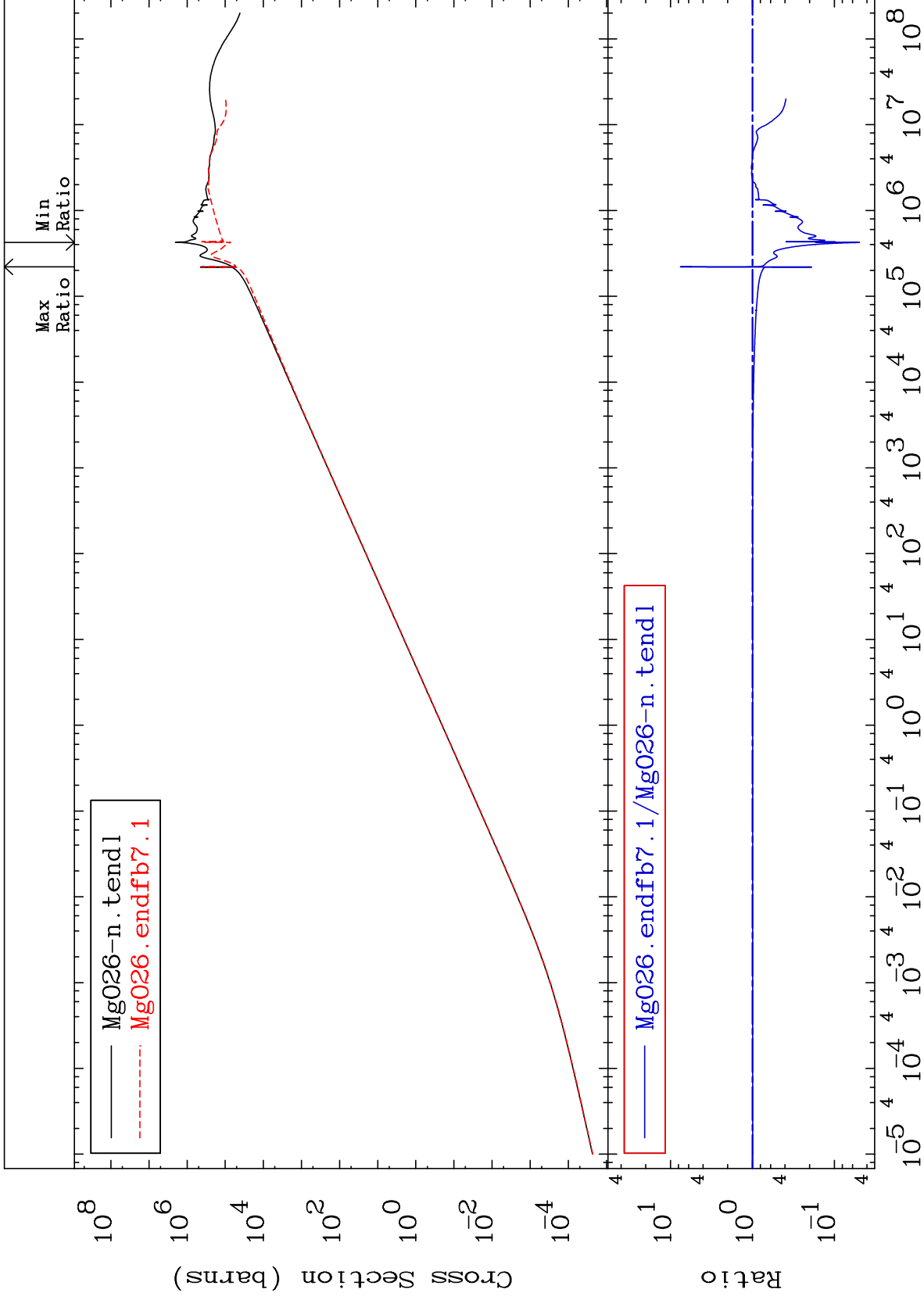
Incident Energy (eV)

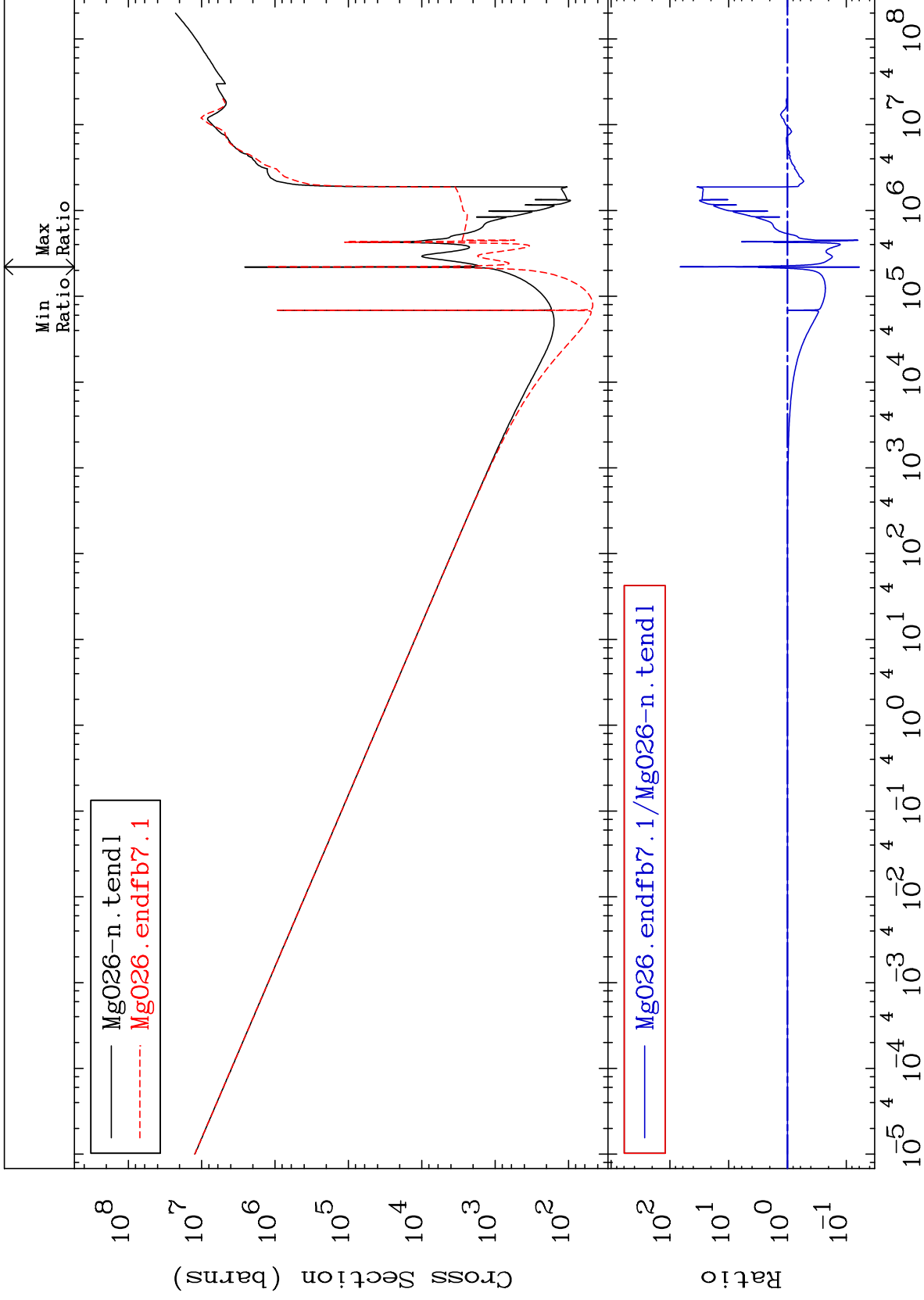
12-Mg-26

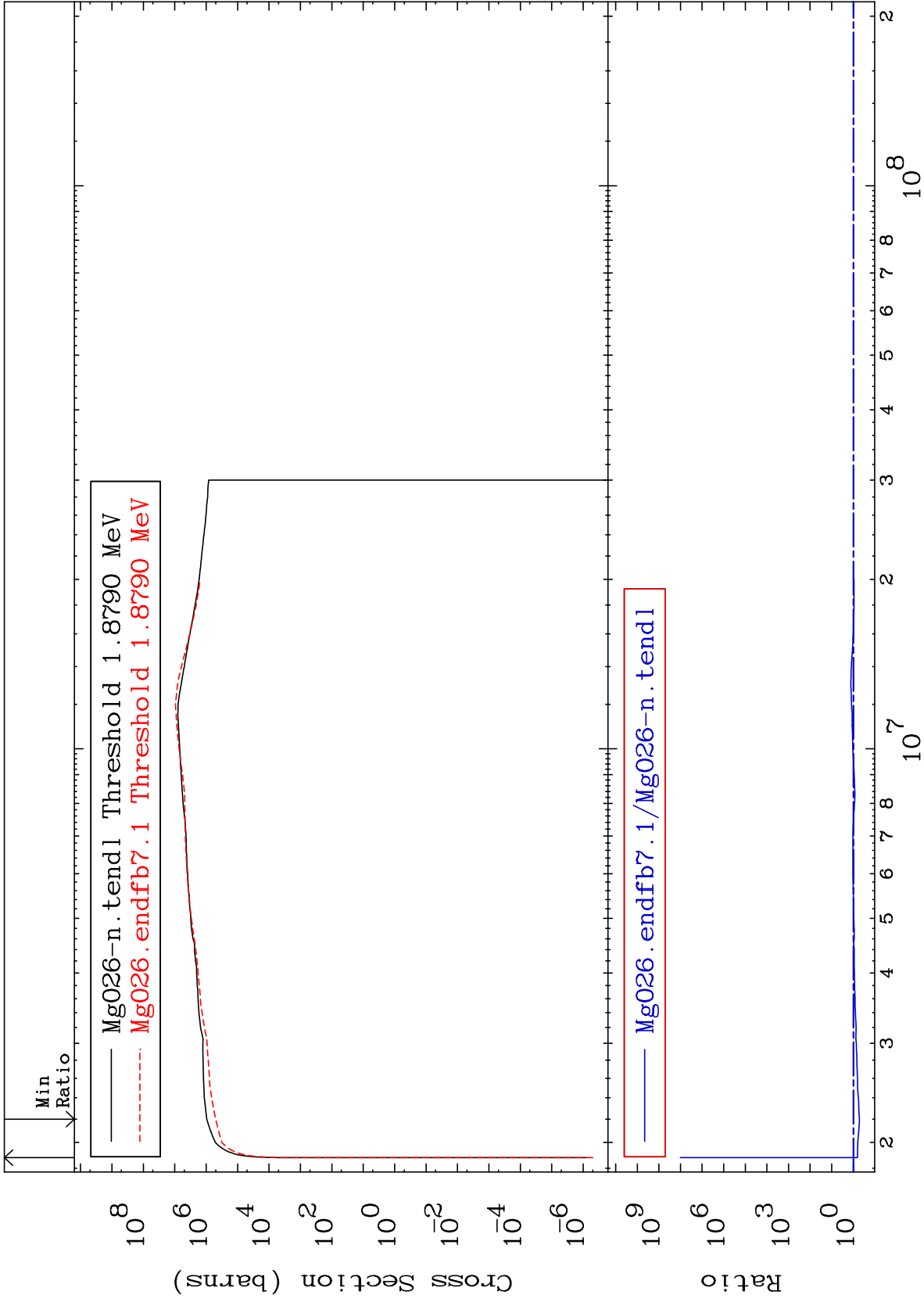
MAT 1231

Kerma elastic  
Cross Section

12-Mg-26  
-95.06 To 656.5 %



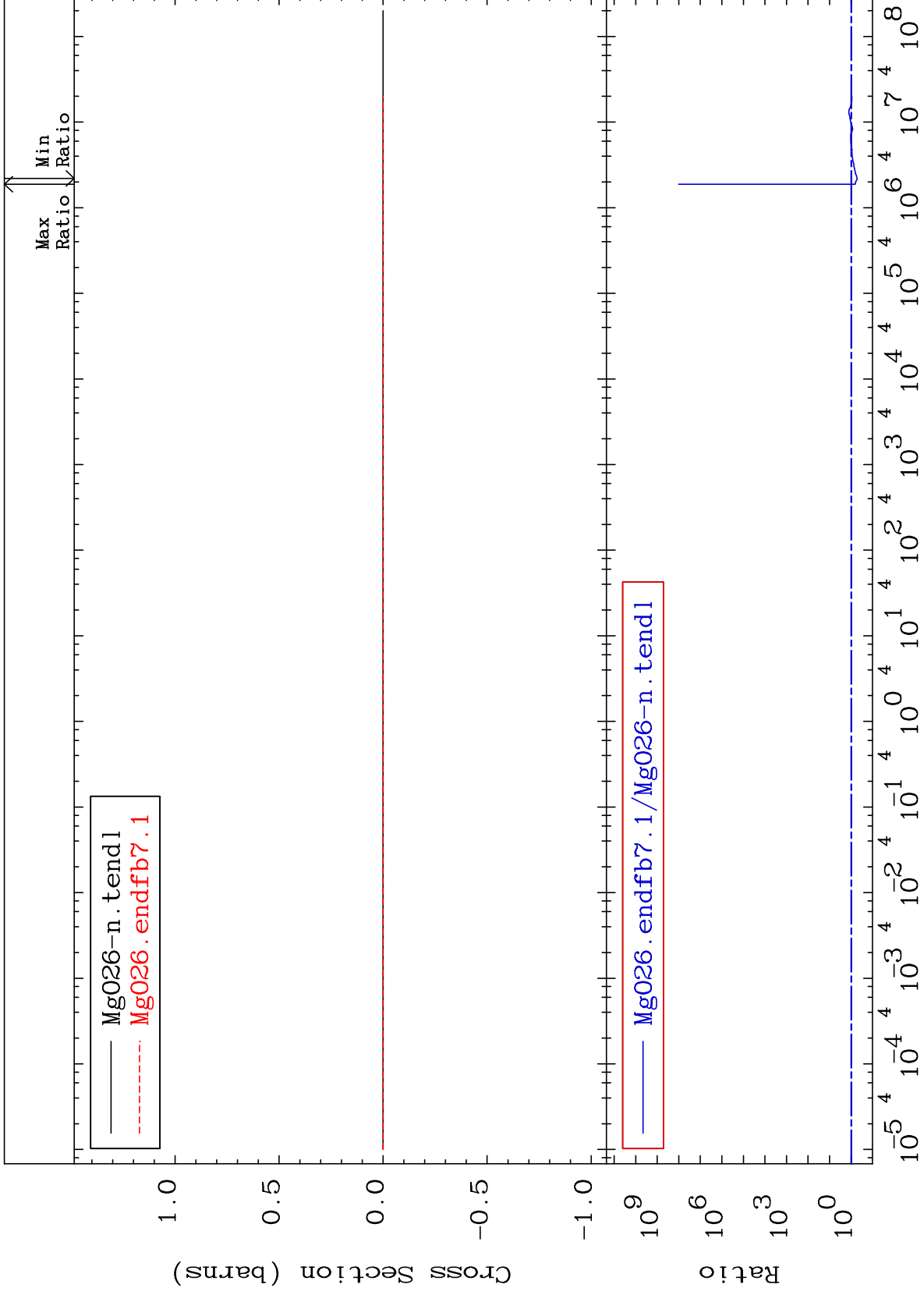




MAT 1231

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

12-Mg-26  
-47.97 To 9999. %



30

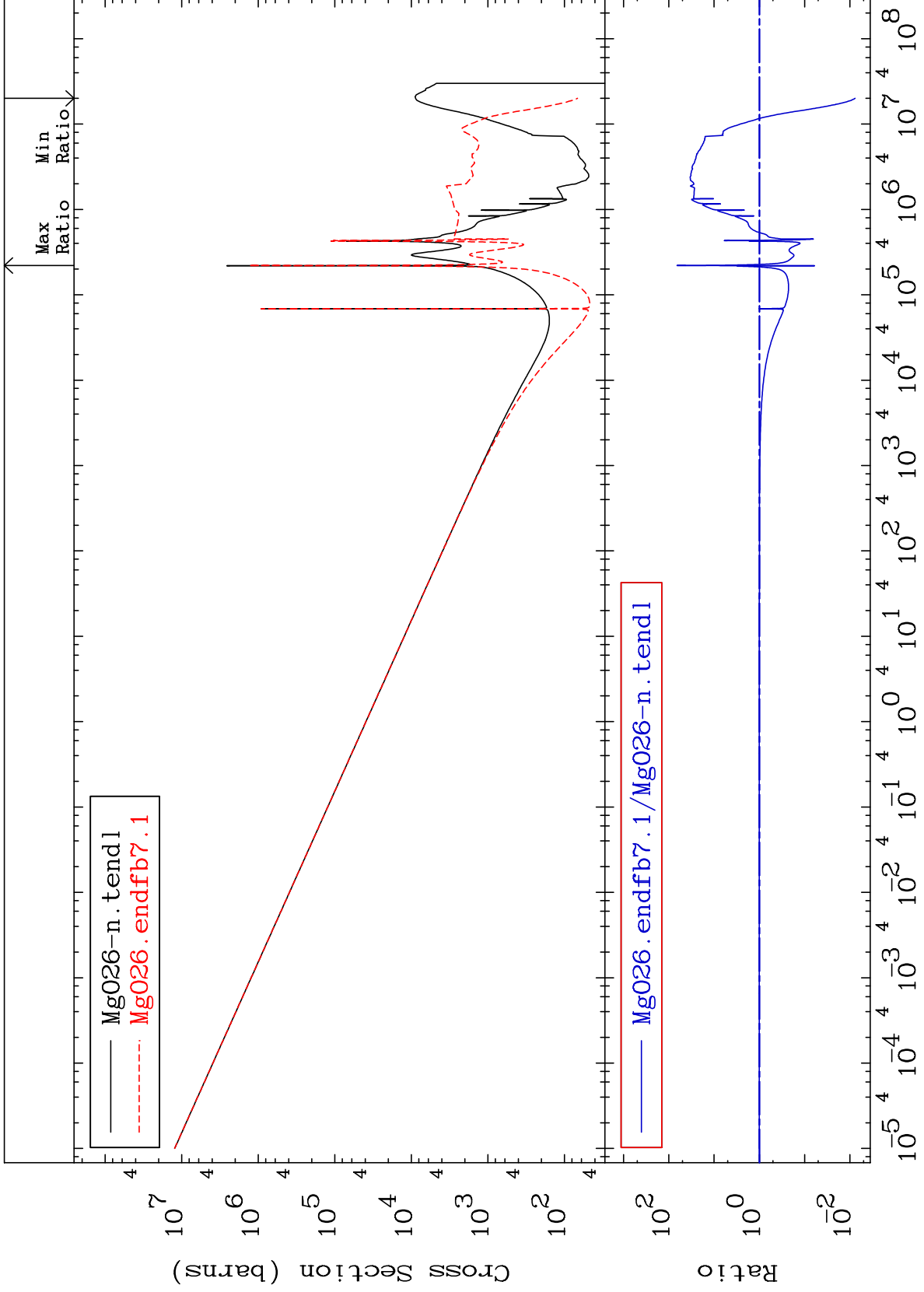
Incident Energy (eV)

12-Mg-26

MAT 1231

Kerma capture (mt102)  
Cross Section

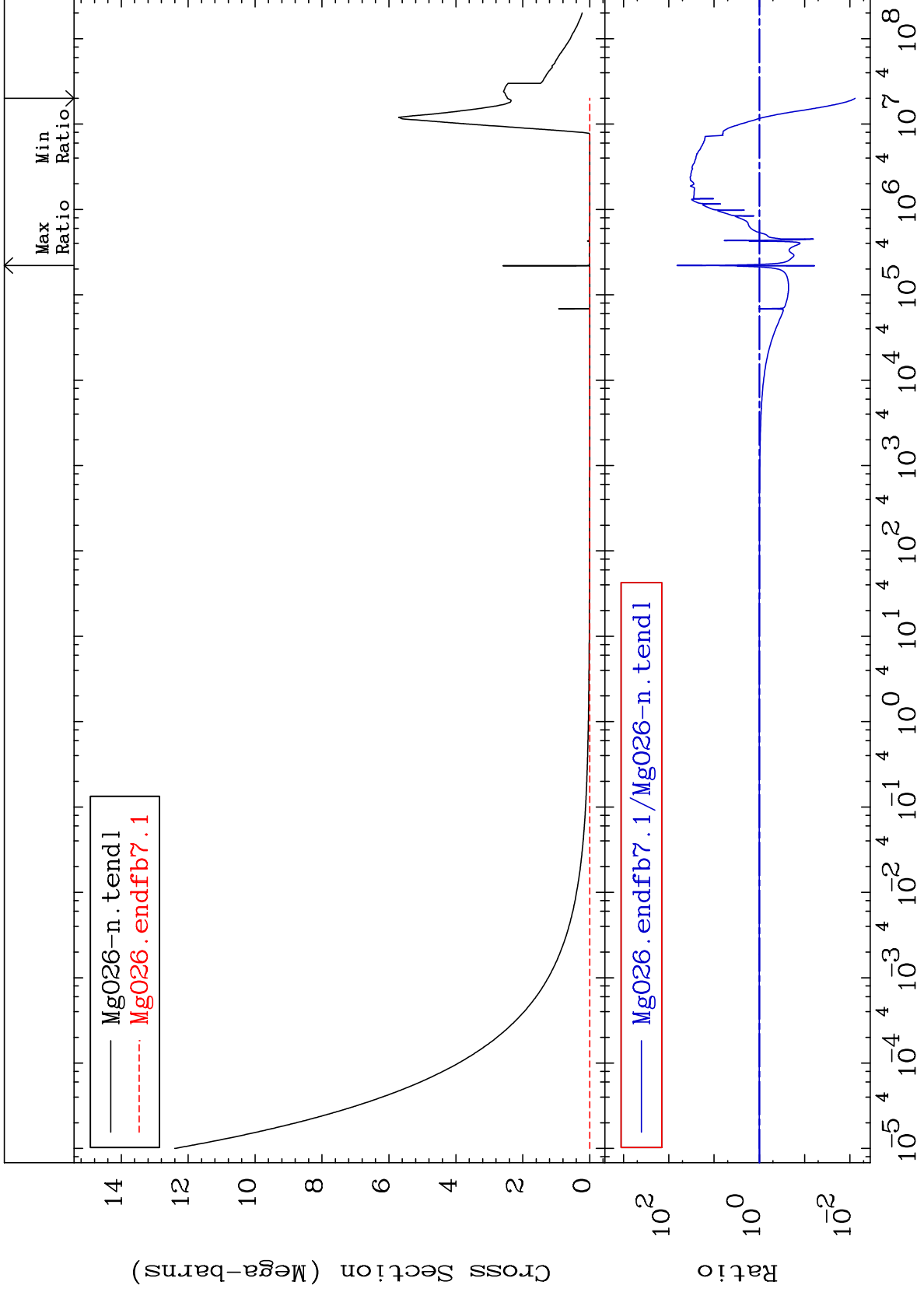
12-Mg-26  
-99.23 To 6520. %



MAT 1231

Total photon (eV-barns)  
Cross Section

12-Mg-26  
-99.23 To 6520. %

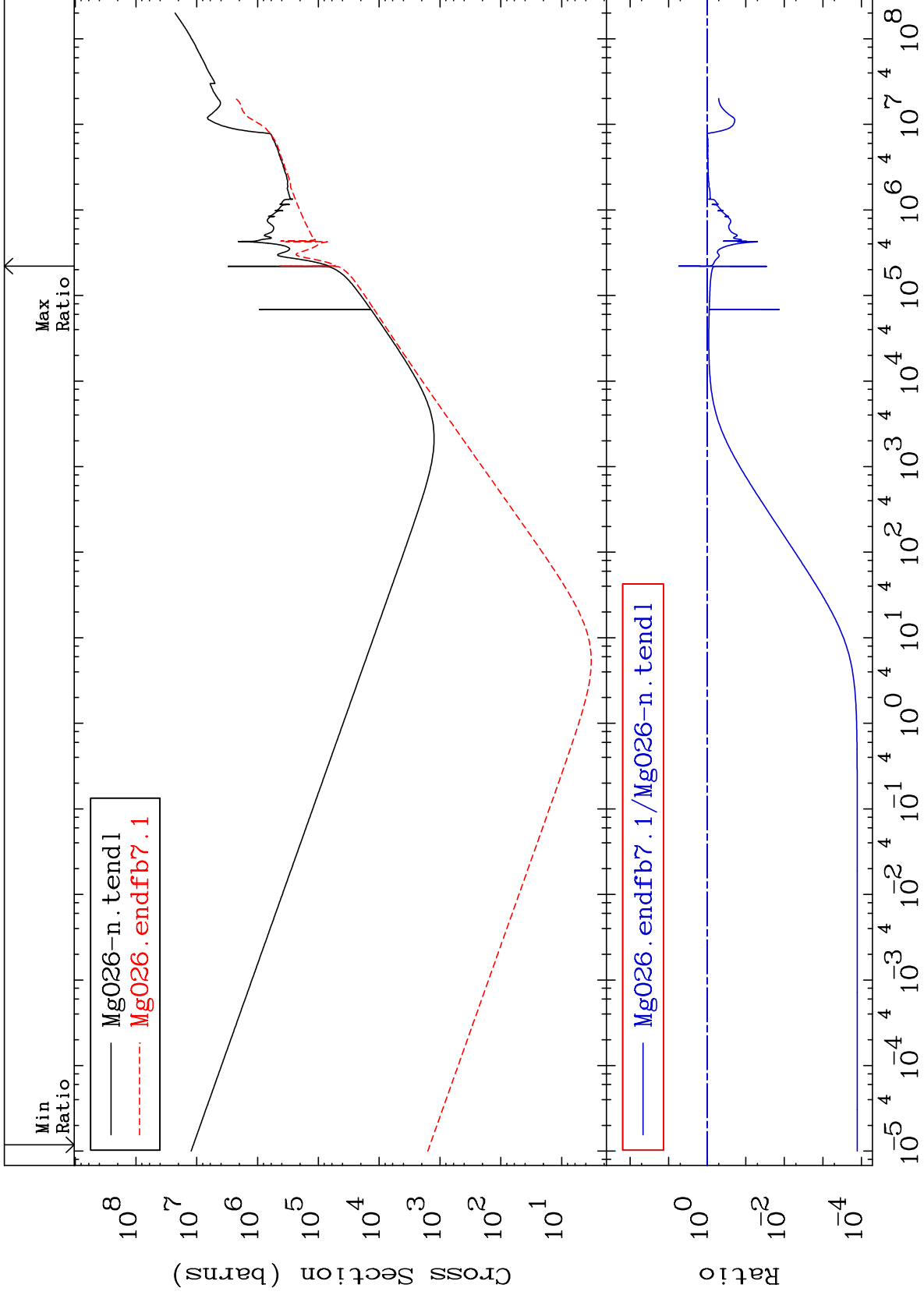


32

Incident Energy (eV)

12-Mg-26

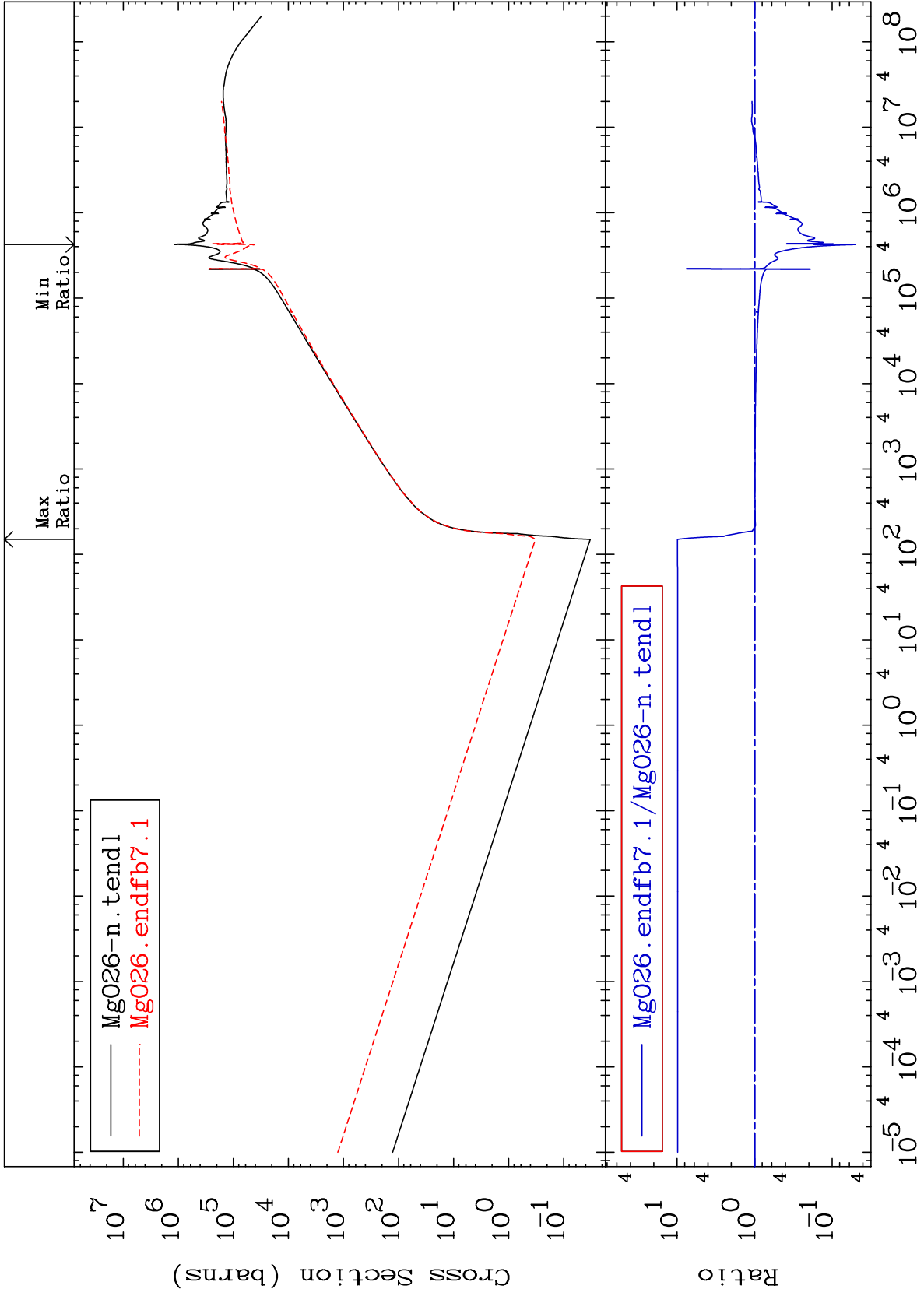


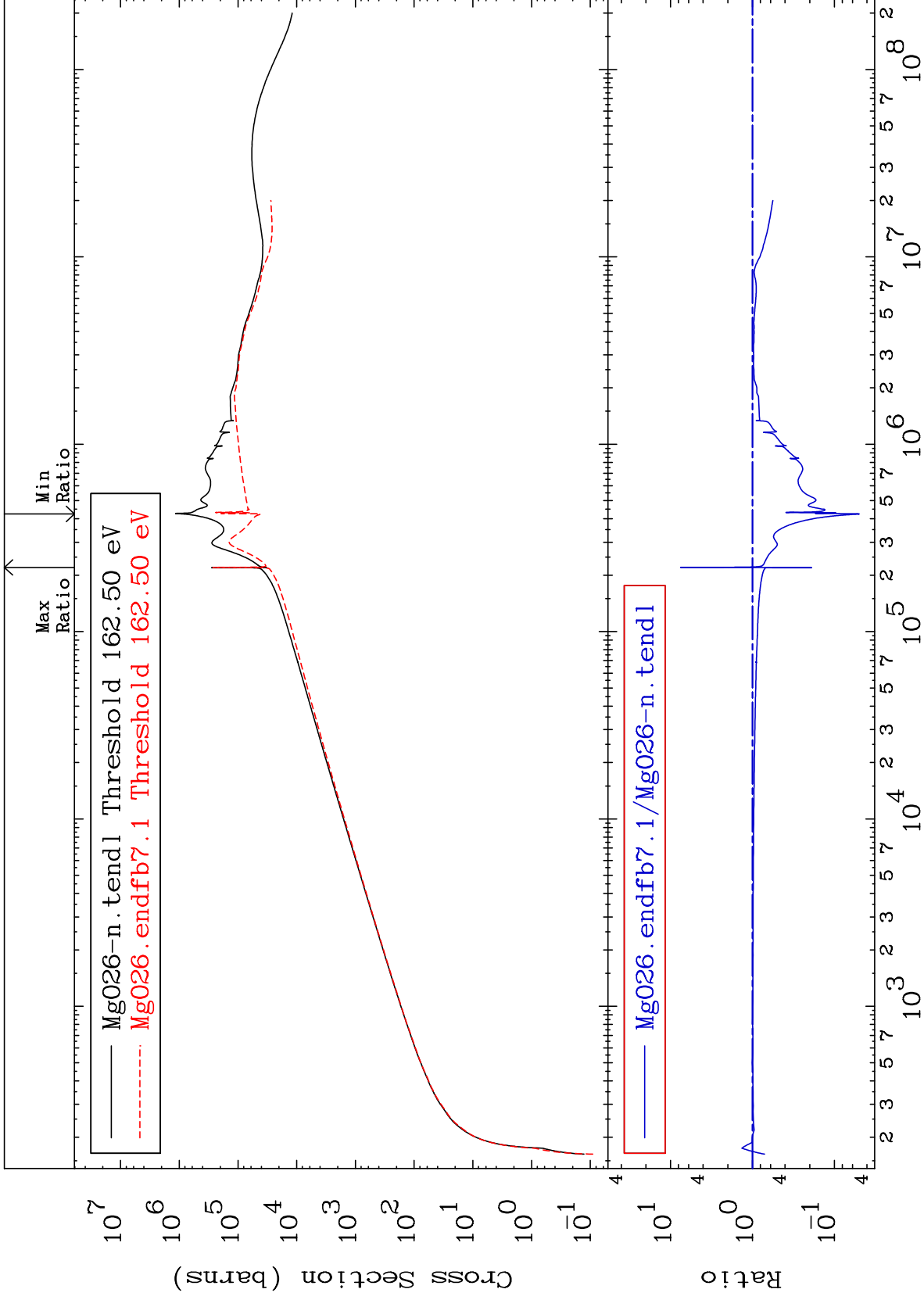


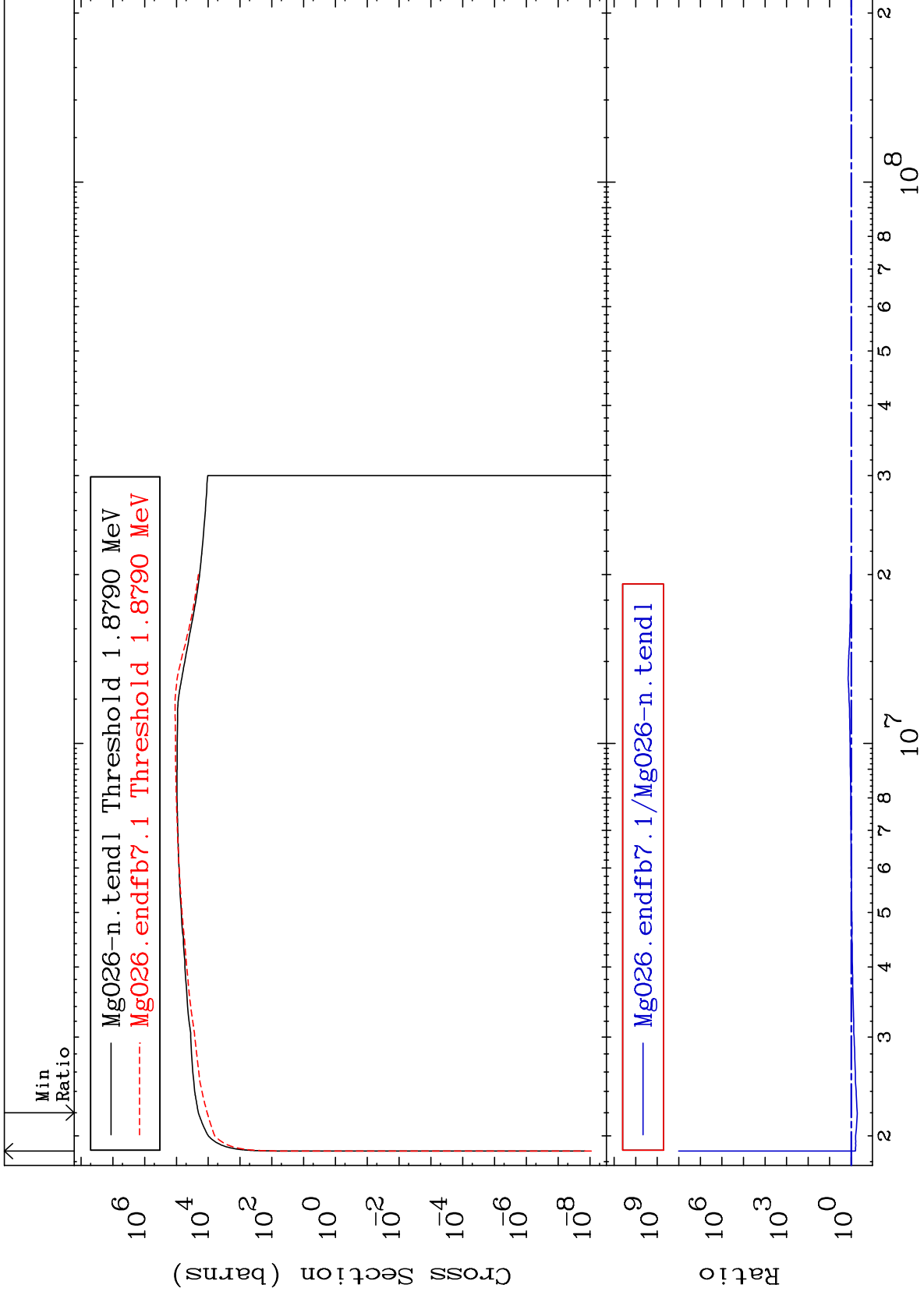
MAT 1231

Dpa total (eV-barns)  
Cross Section

12-Mg-26  
-95.05 To 888.7 %



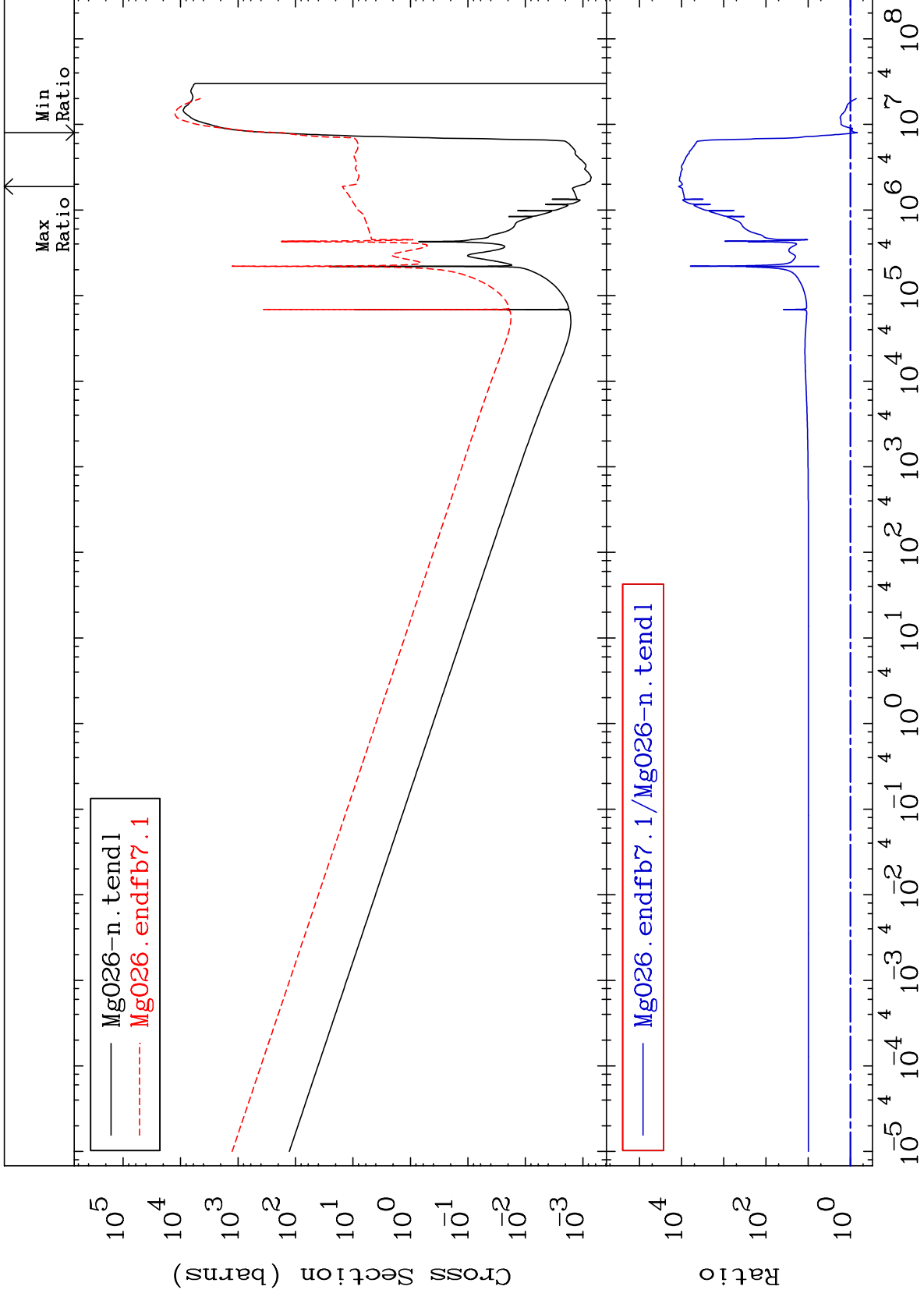




MAT 1231

Dpa disappearance (mt102 -120)  
Cross Section

12-Mg-26  
-31.41 To 9999. %



37

Incident Energy (eV)

12-Mg-26