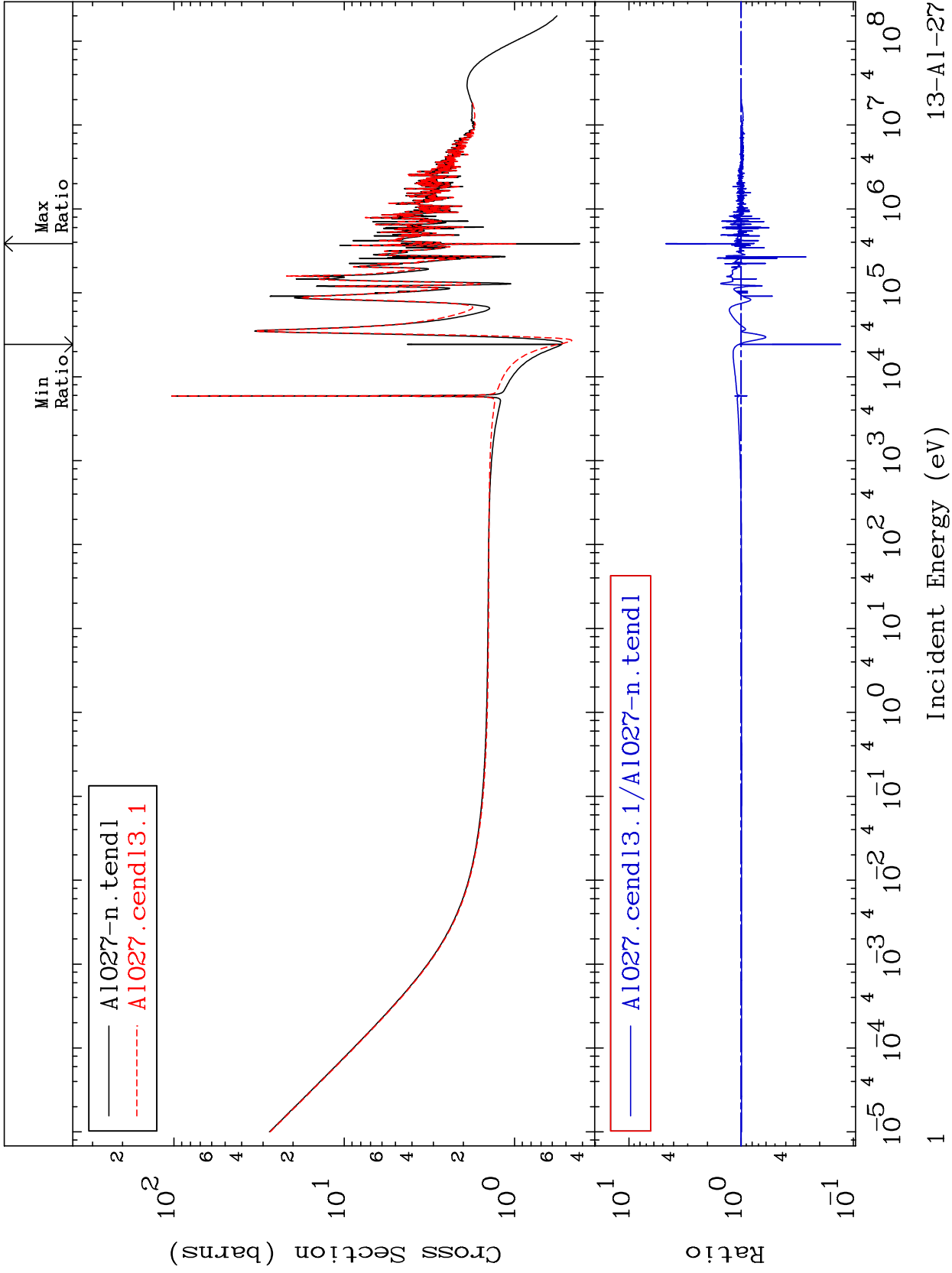


MAT 1325

Total  
Cross Section

13-A1-27  
-87.02 To 372.8 %



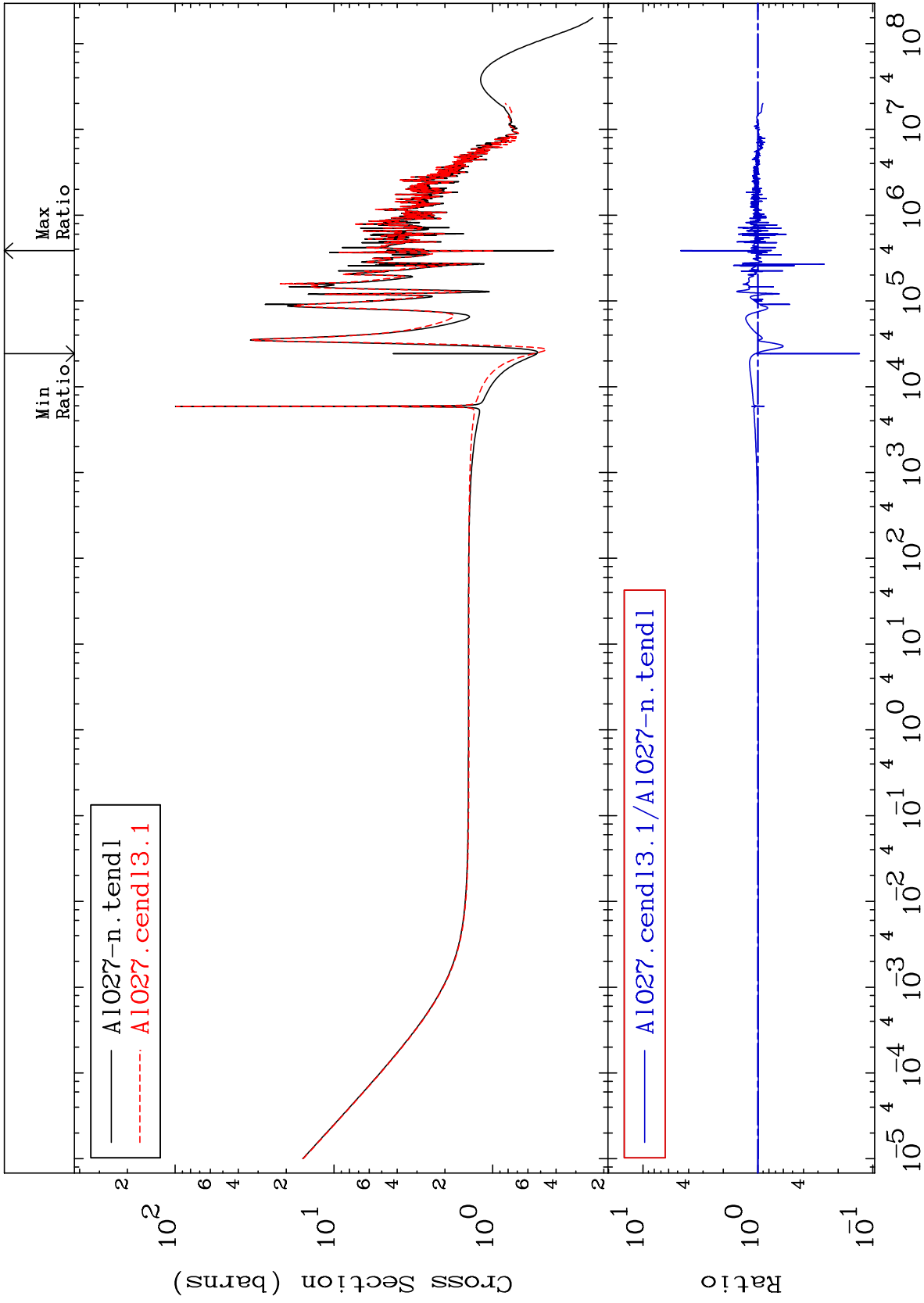
Incident Energy (eV)

13-A1-27

MAT 1325

Elastic  
Cross Section

13-Al-27  
-86.95 To 373.3 %



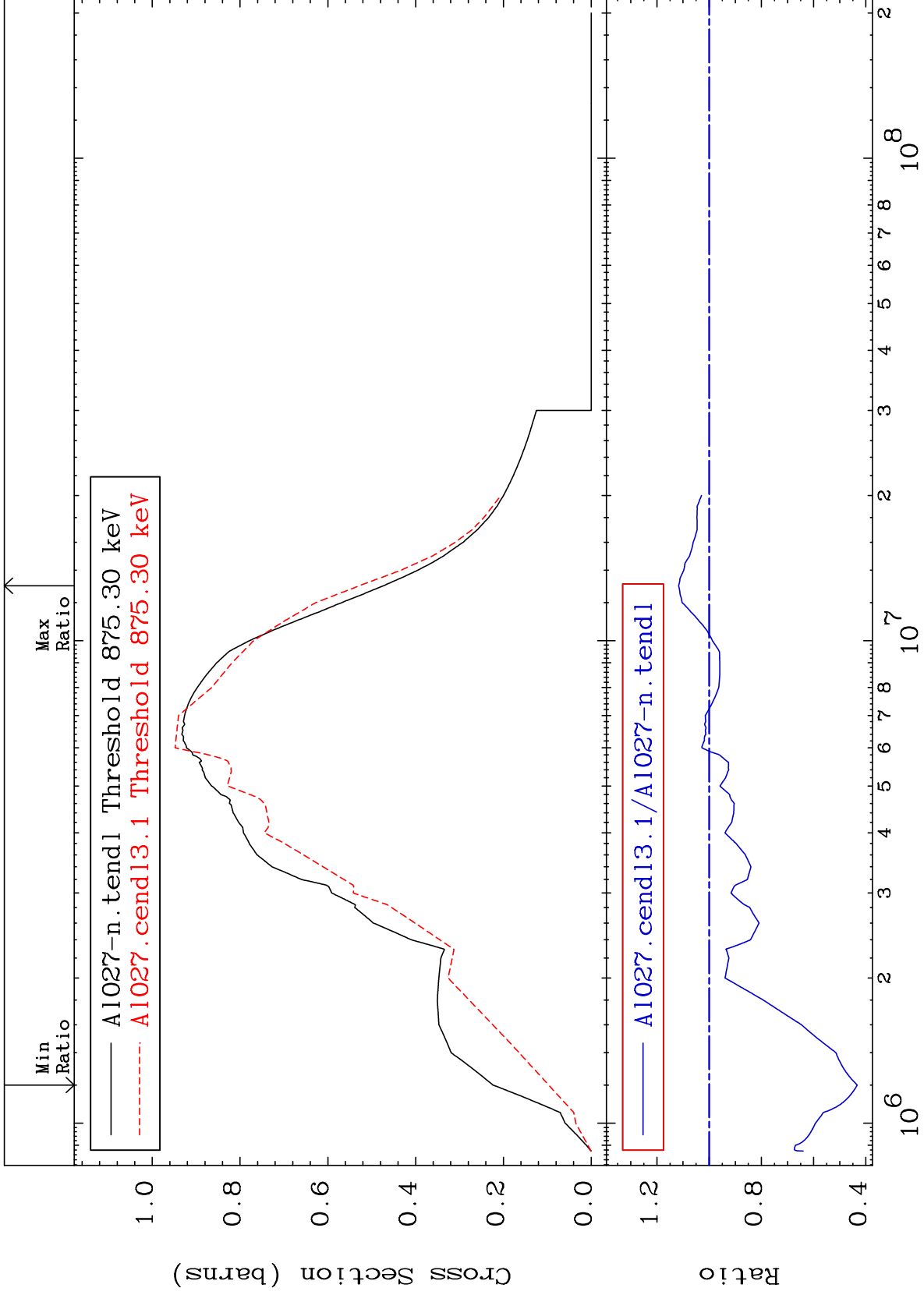
Incident Energy (eV)

13-Al-27

MAT 1325

Inelastic  
Cross Section

13-Al-27  
-56.70 To 11.69 %



3

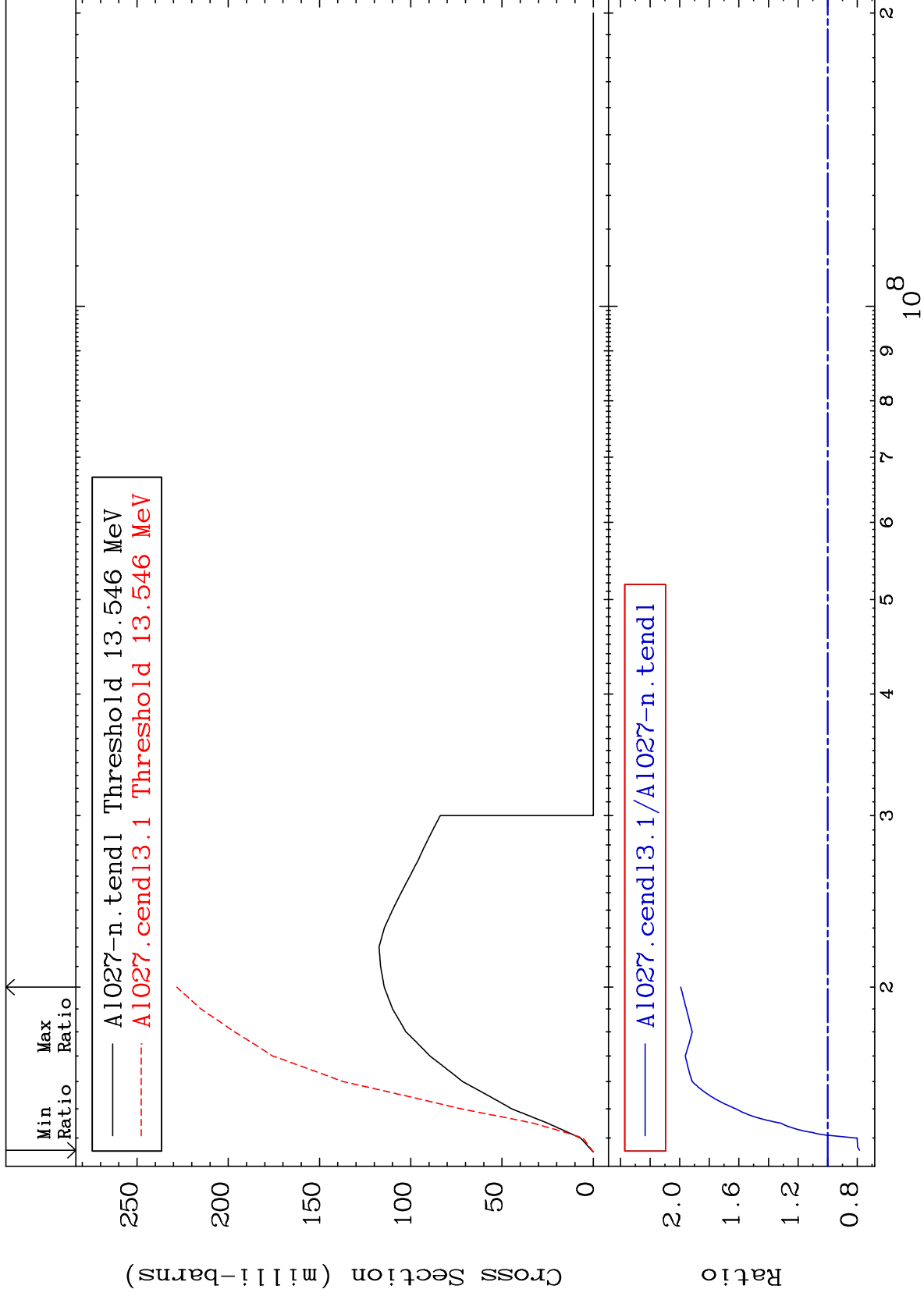
Incident Energy (eV)

13-Al-27

MAT 1325

(n,2n)  
Cross Section

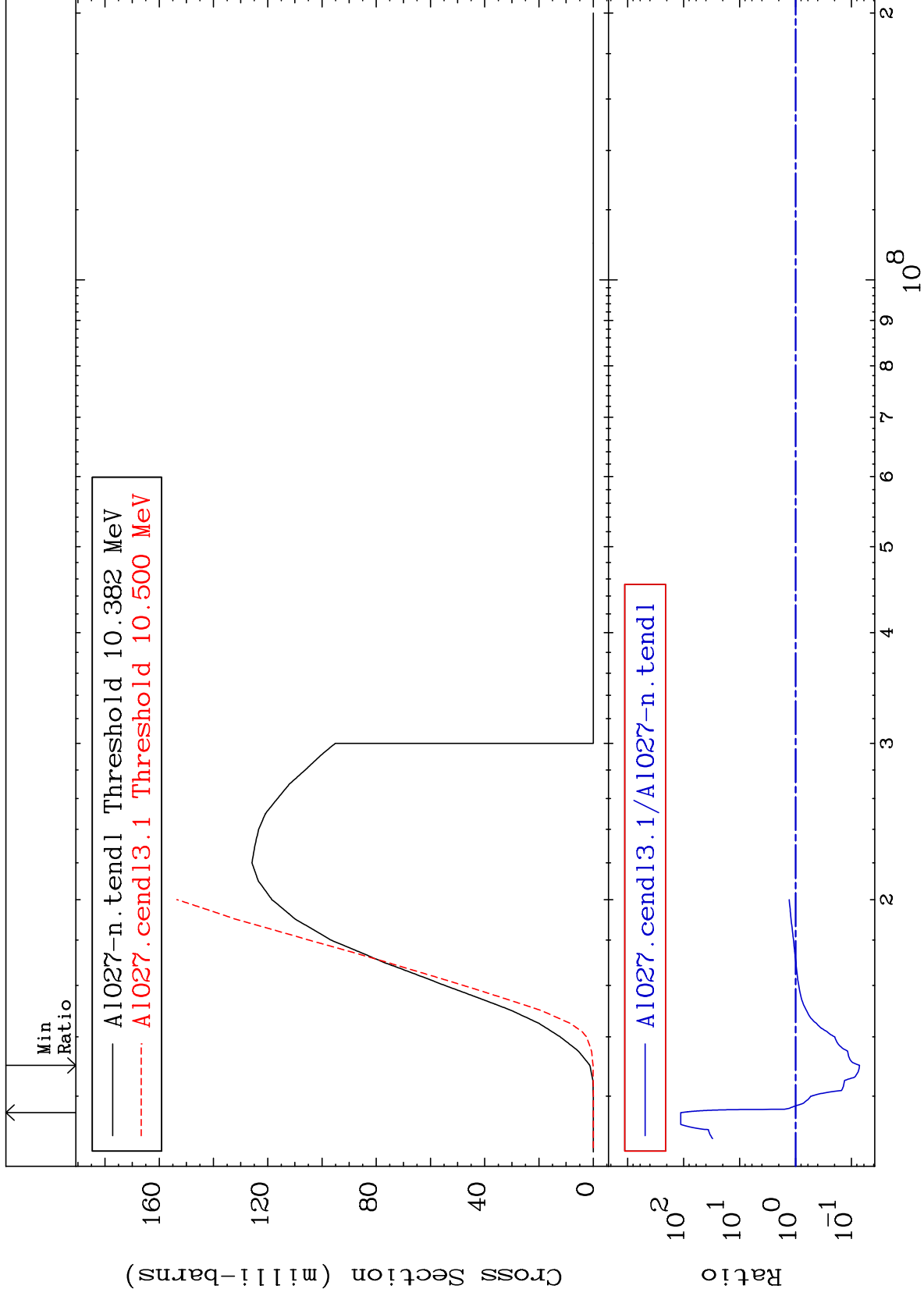
13-Al-27  
-21.57 To 99.29 %



MAT 1325

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

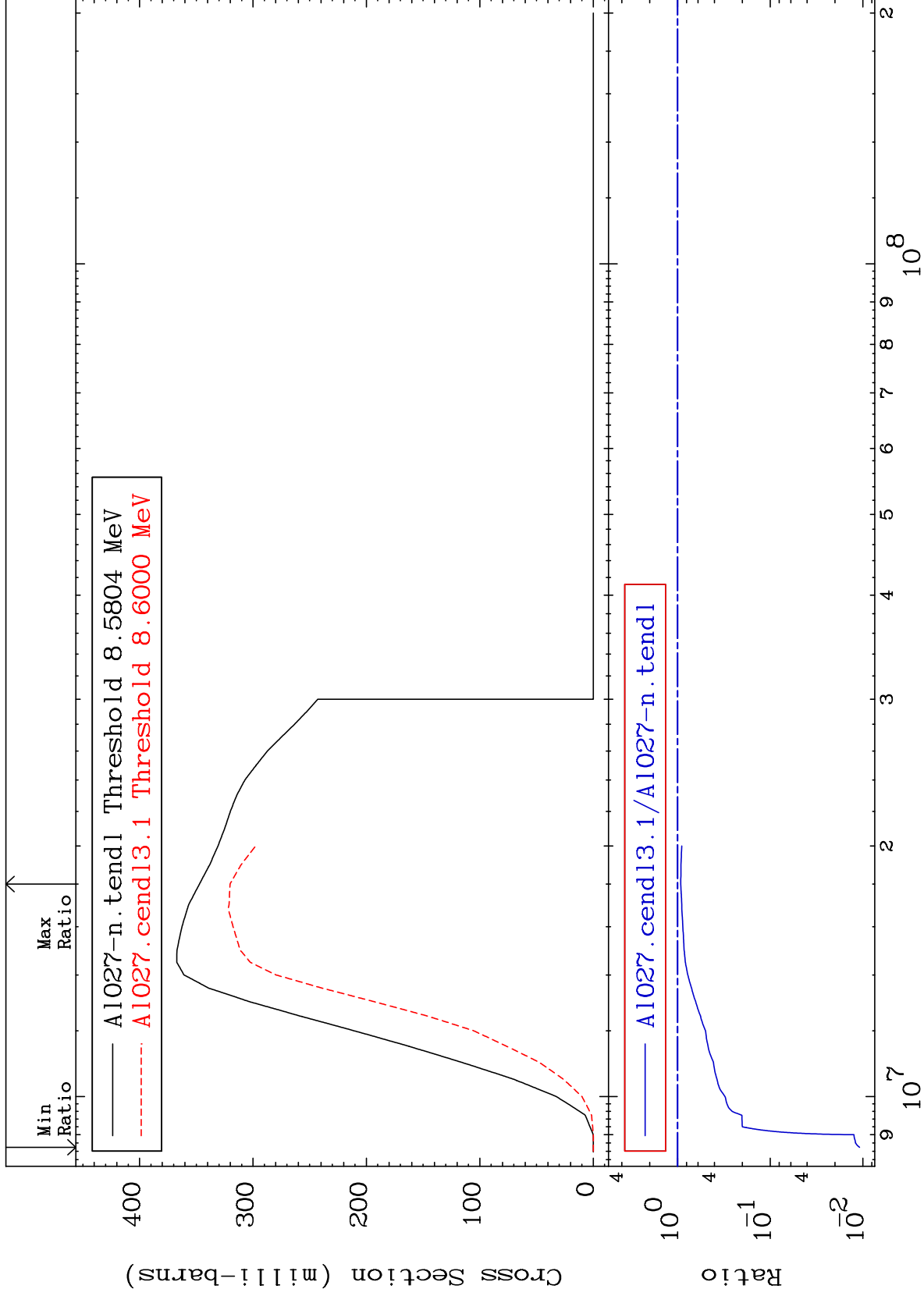
13-Al-27  
-92.83 To 9999. %



MAT 1325

(n, n') p  
Cross Section

13-Al-27  
-98.91 To -7.751%



6

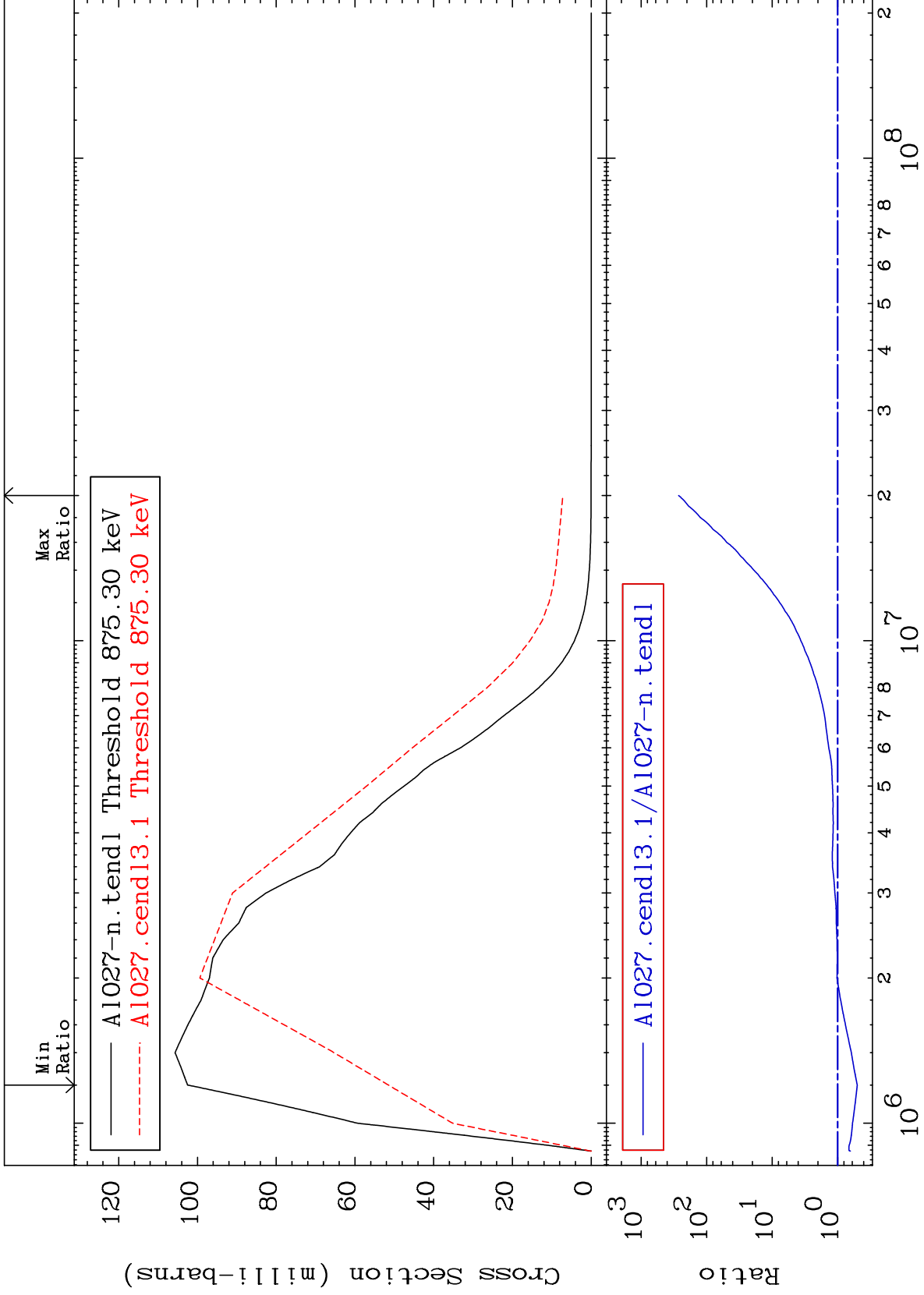
Incident Energy (eV)

13-Al-27

MAT 1325

843.8 keV (n,n') Level  
Cross Section

13-Al-27  
-49.76 To 9999. %



7

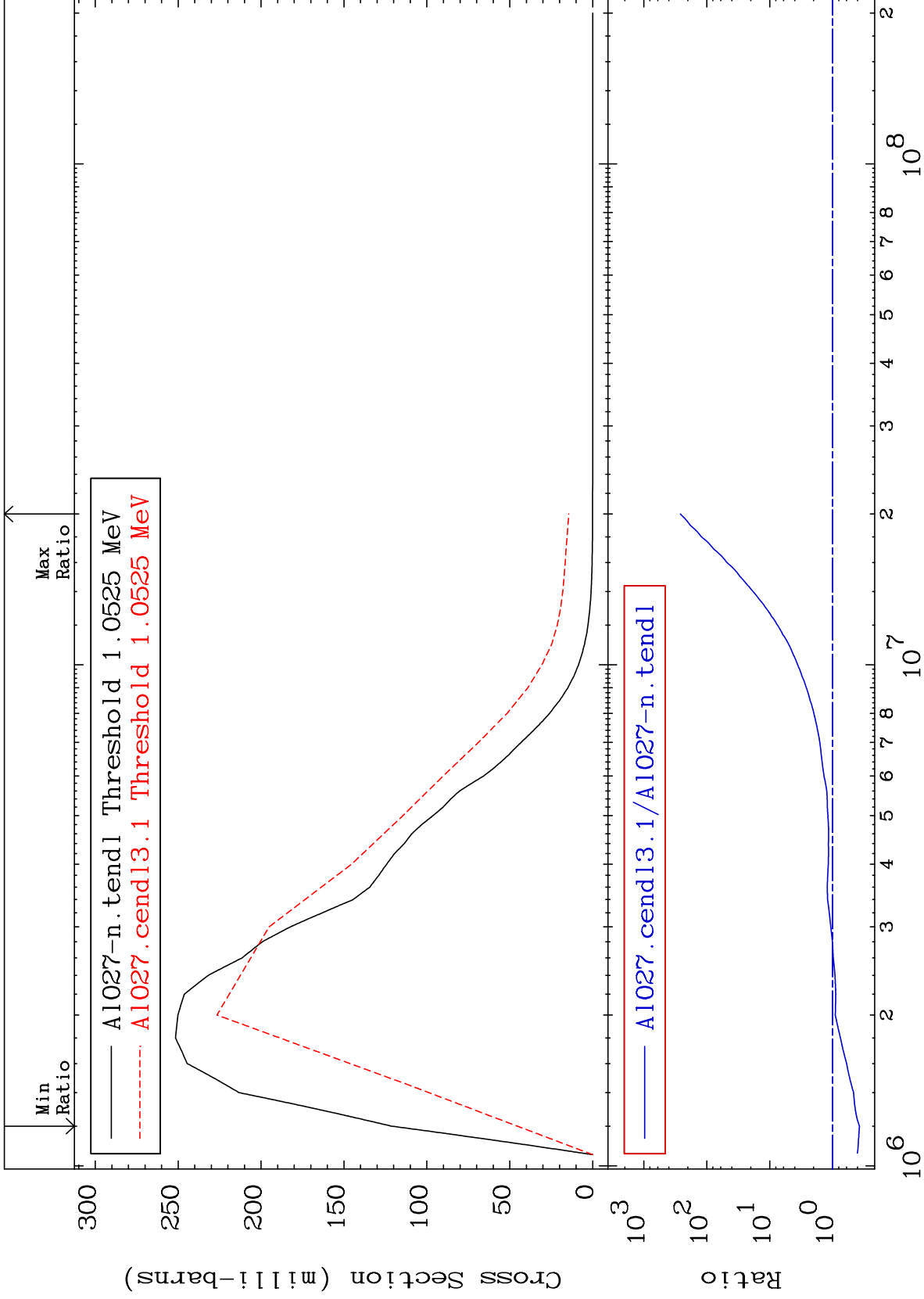
Incident Energy (eV)

13-Al-27

MAT 1325

1.015 MeV (n,n') Level  
Cross Section

13-Al-27  
-62.56 To 9999. %



13-Al-27

8



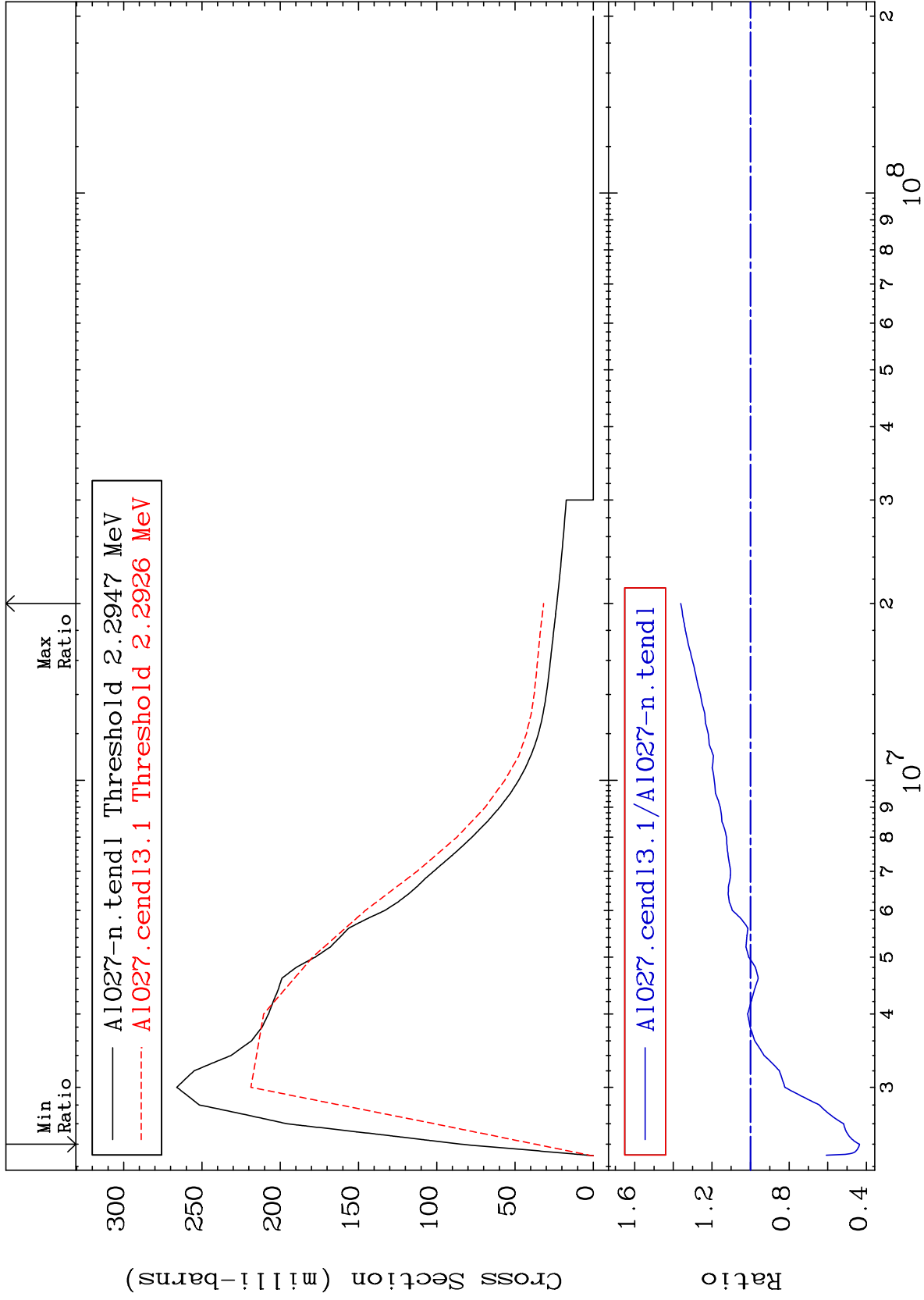
MAT 1325

2.212 MeV (n,n') Level

13-Al-27

-56.48 To 36.12 %

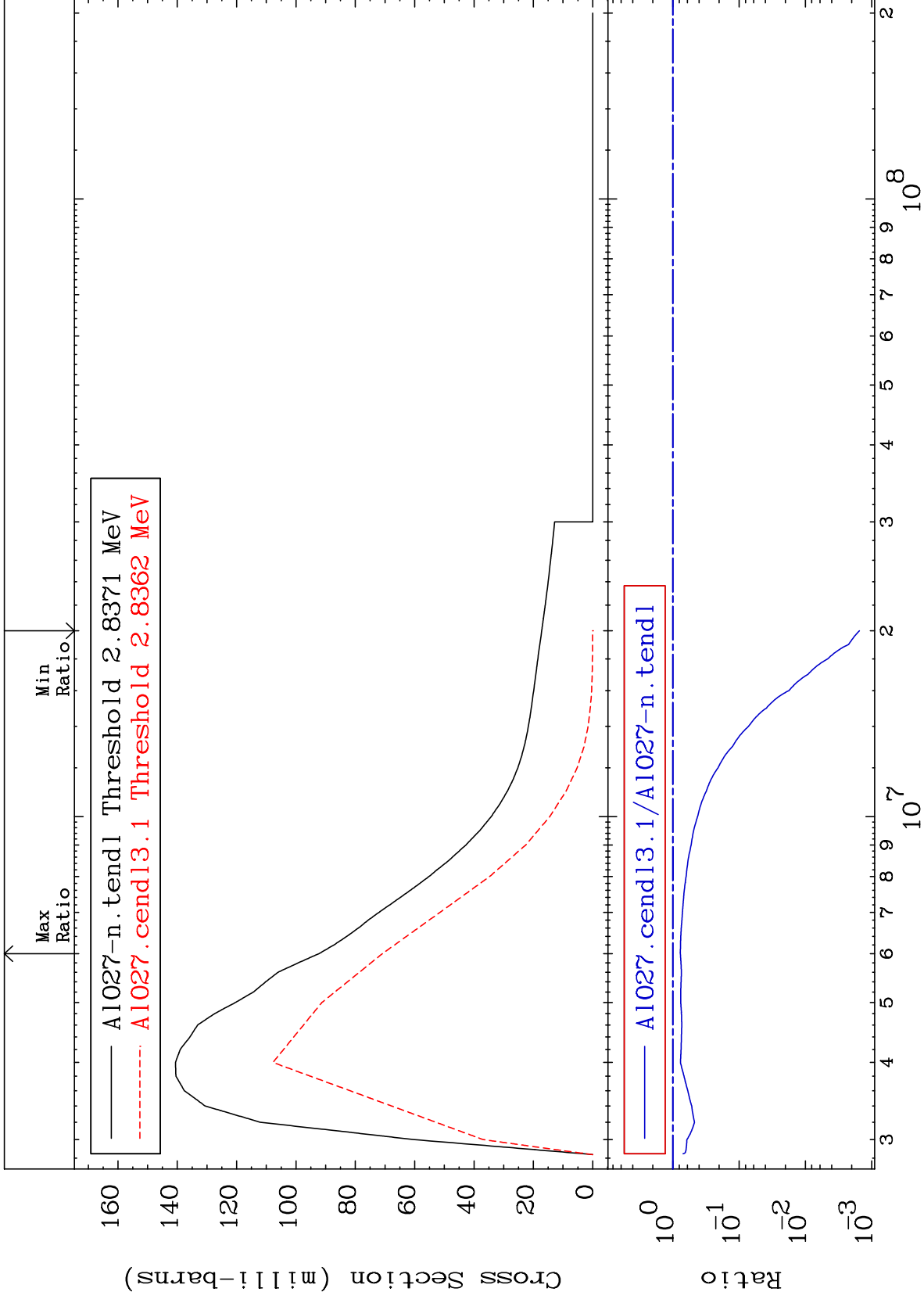
Cross Section



MAT 1325

2.735 MeV (n,n') Level  
Cross Section

13-Al-27  
-99.85 To -23.15%



10

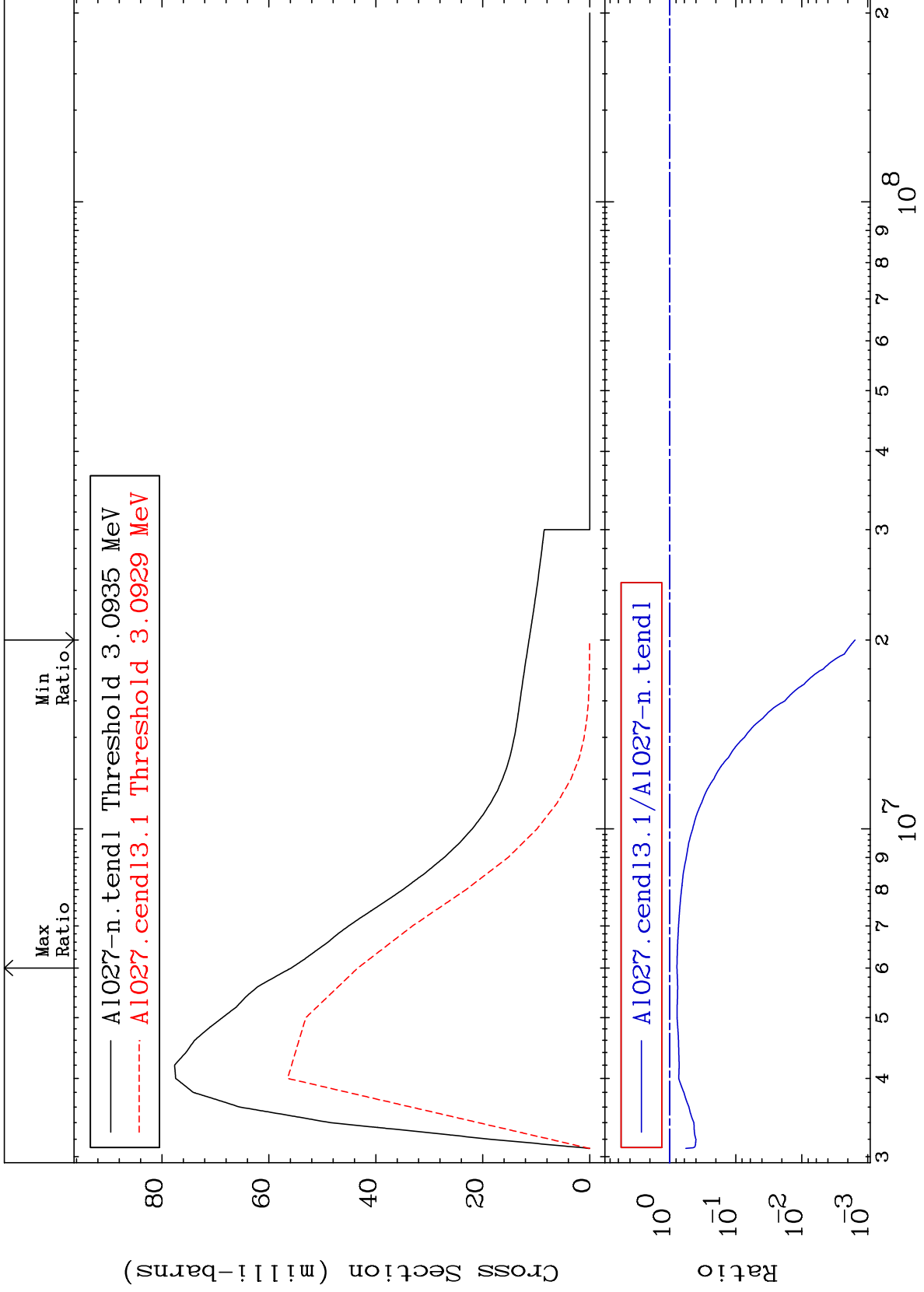
Incident Energy (eV)

13-Al-27

MAT 1325

2.982 MeV (n,n') Level  
Cross Section

13-Al-27  
-99.84 To -22.31%



11

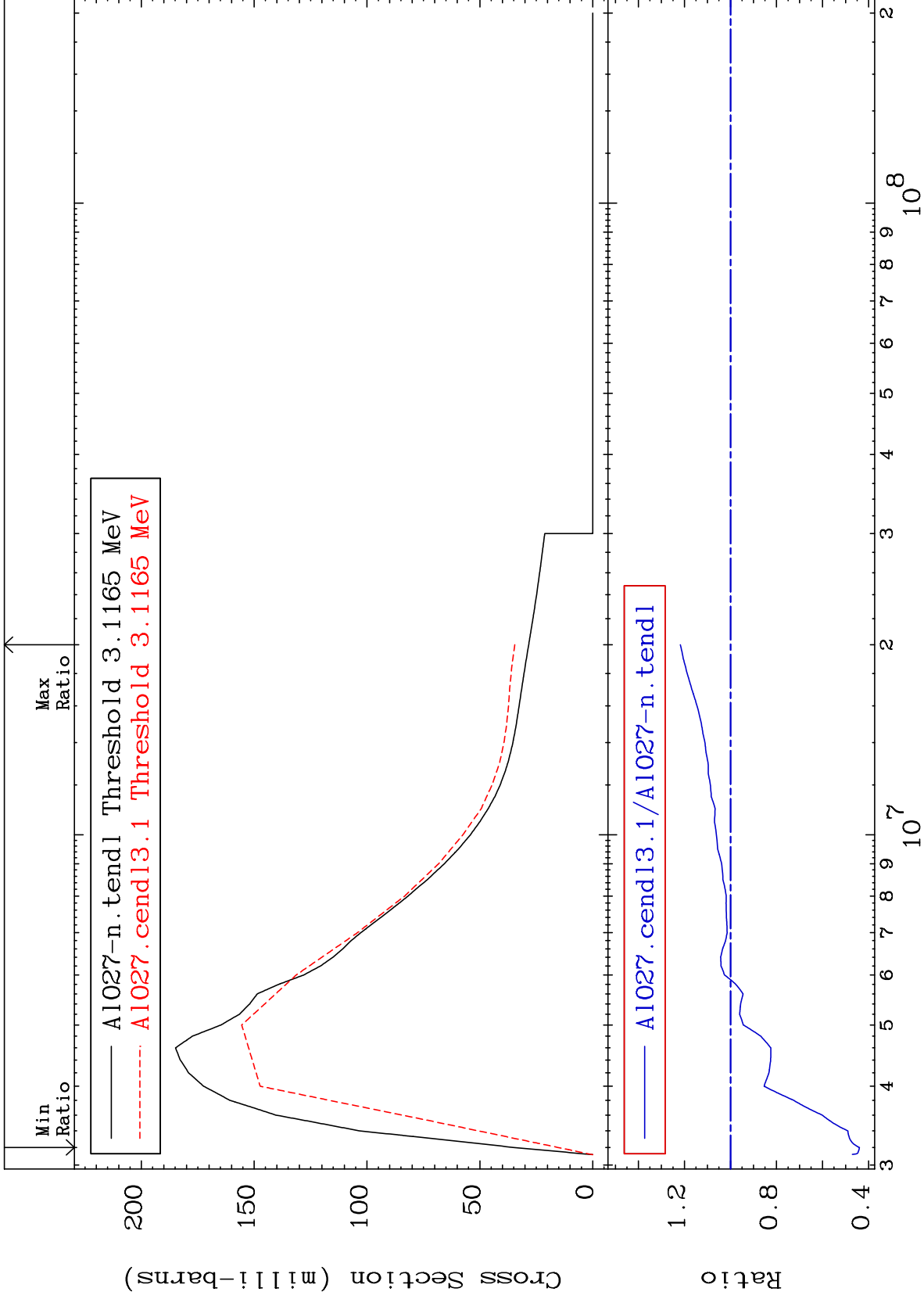
Incident Energy (eV)

13-Al-27

MAT 1325

3.004 MeV (n,n') Level  
Cross Section

13-Al-27  
-56.01 To 21.78 %



12

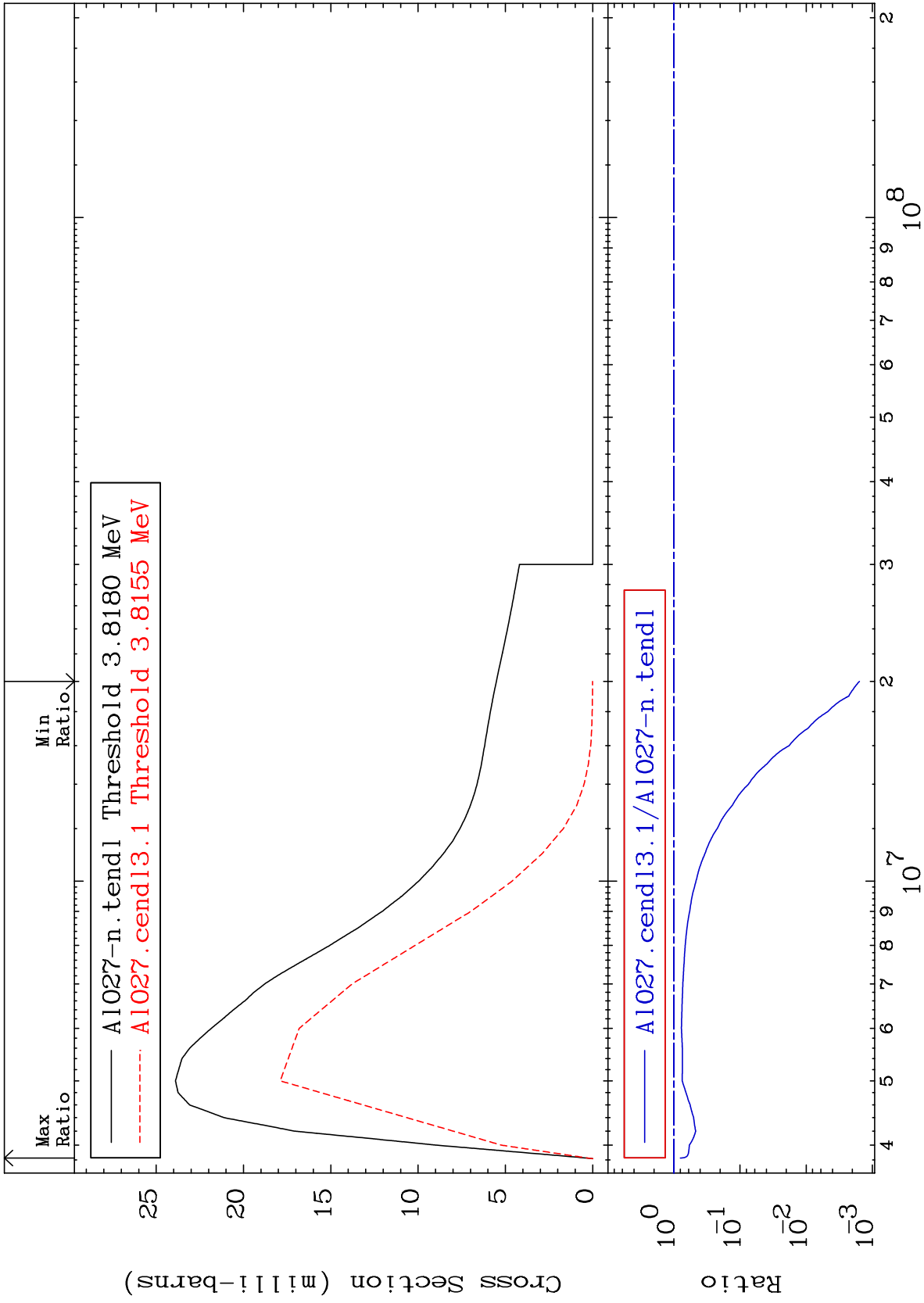
Incident Energy (eV)

13-Al-27

MAT 1325

3.680 MeV (n,n') Level  
Cross Section

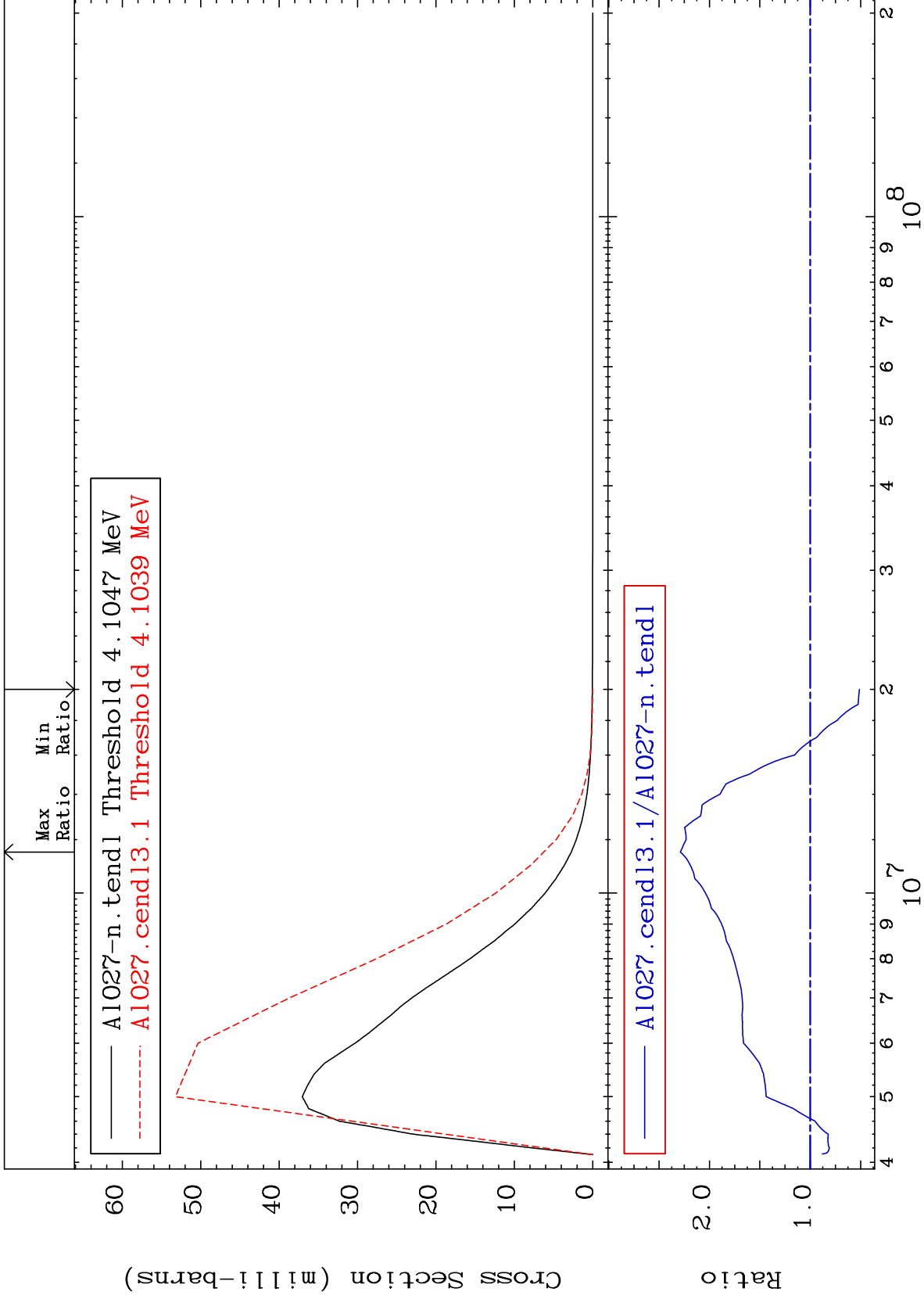
13-Al-27  
-99.84 To -20.16%



MAT 1325

3.957 MeV (n,n') Level  
Cross Section

13-Al-27  
-48.85 To 128.9 %



14

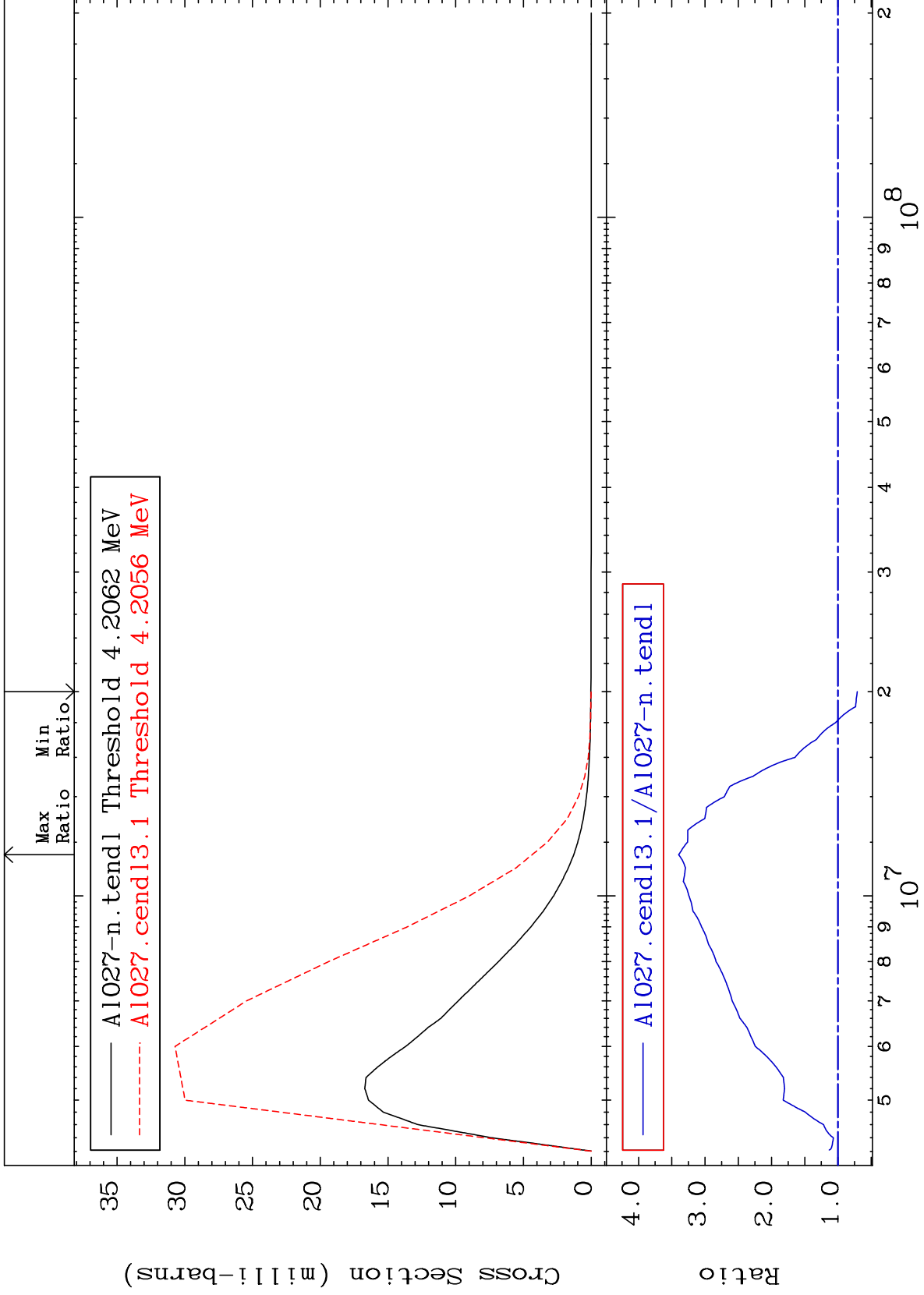
Incident Energy (eV)

13-Al-27

MAT 1325

4.055 MeV (n,n') Level  
Cross Section

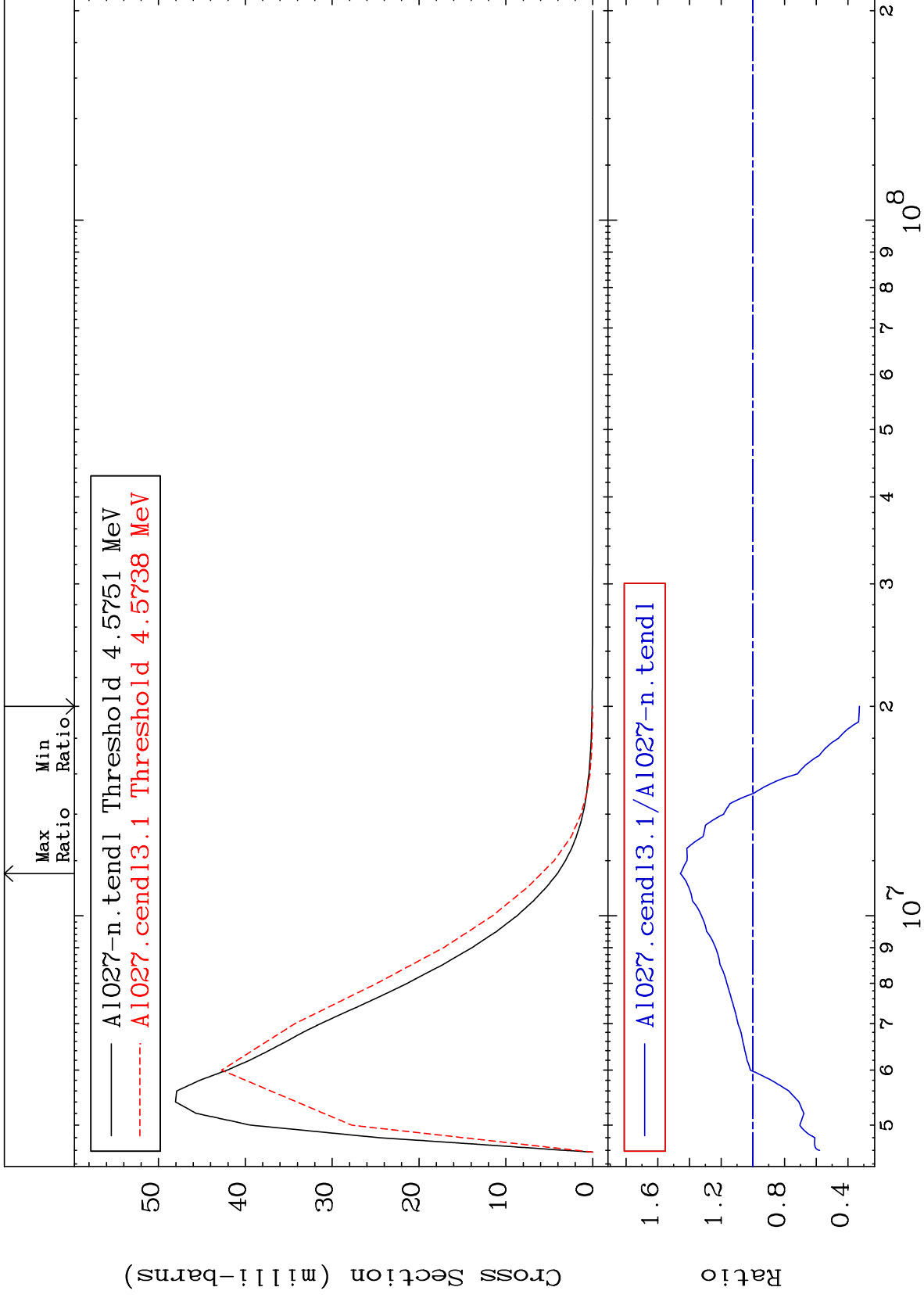
13-Al-27  
-28.99 To 239.7 %



15

Incident Energy (eV)

13-Al-27

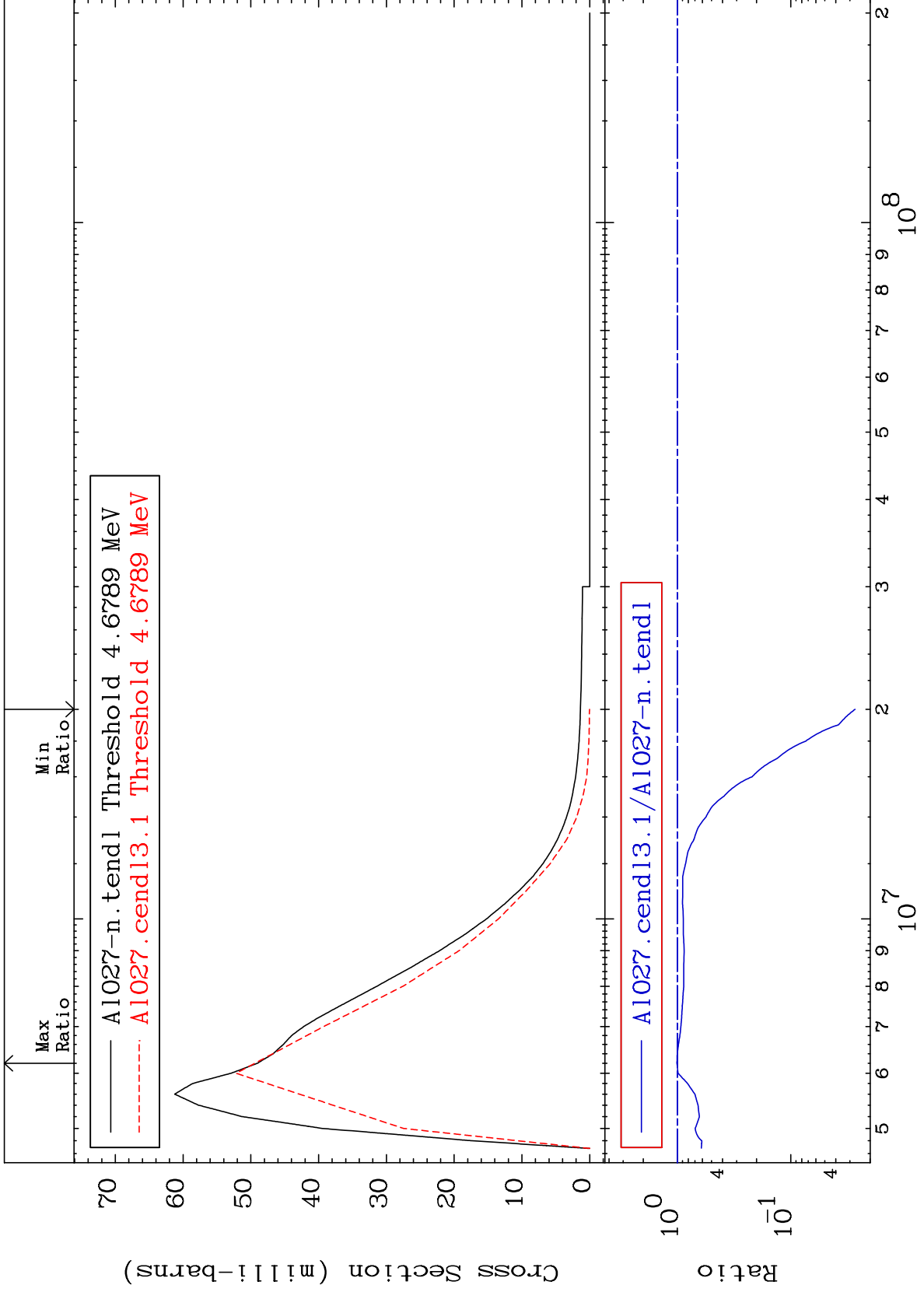




MAT 1325

4.510 MeV (n,n') Level  
Cross Section

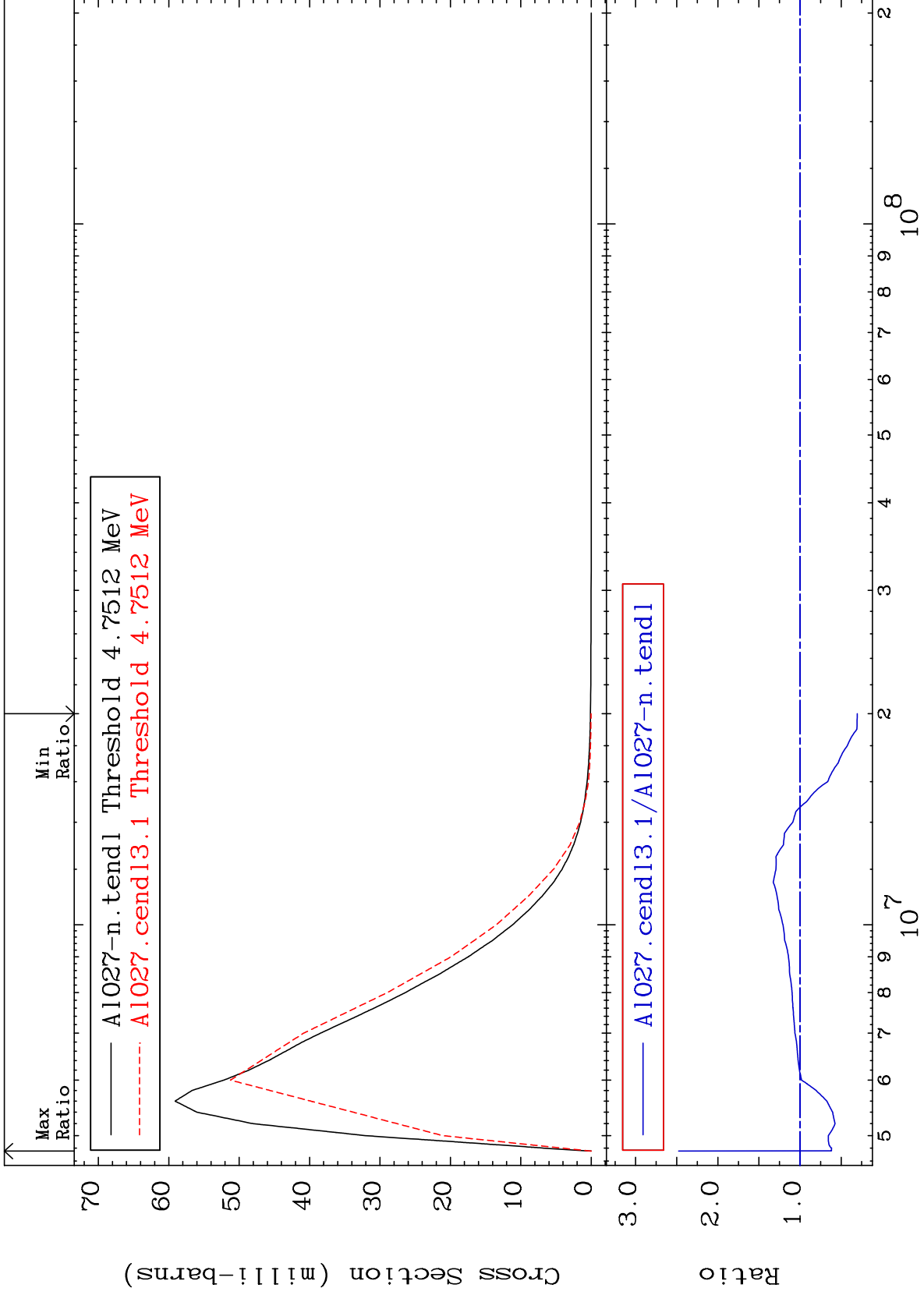
13-Al-27  
-97.30 To 0.769 %

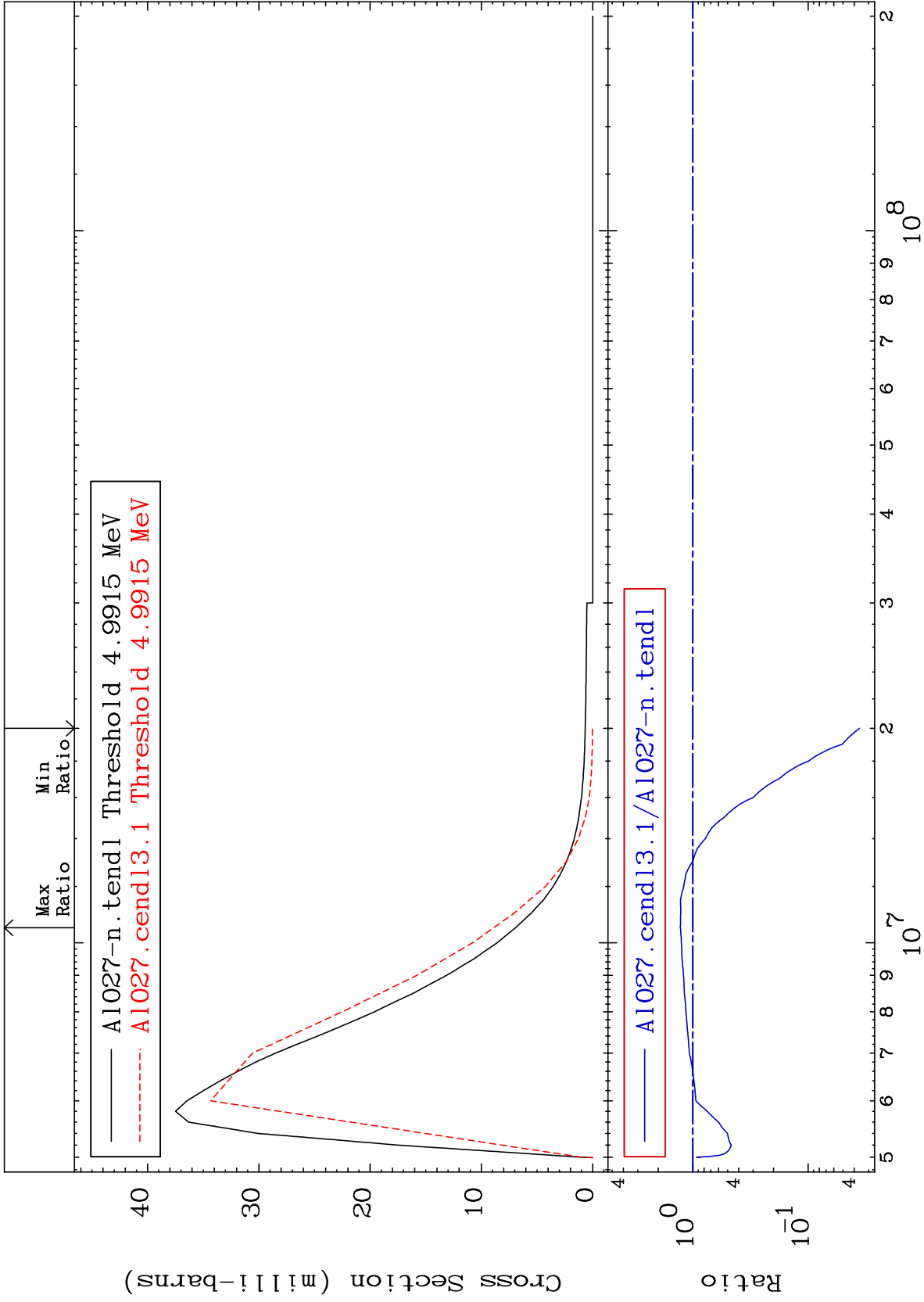


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13-Al-27

13-Al-27

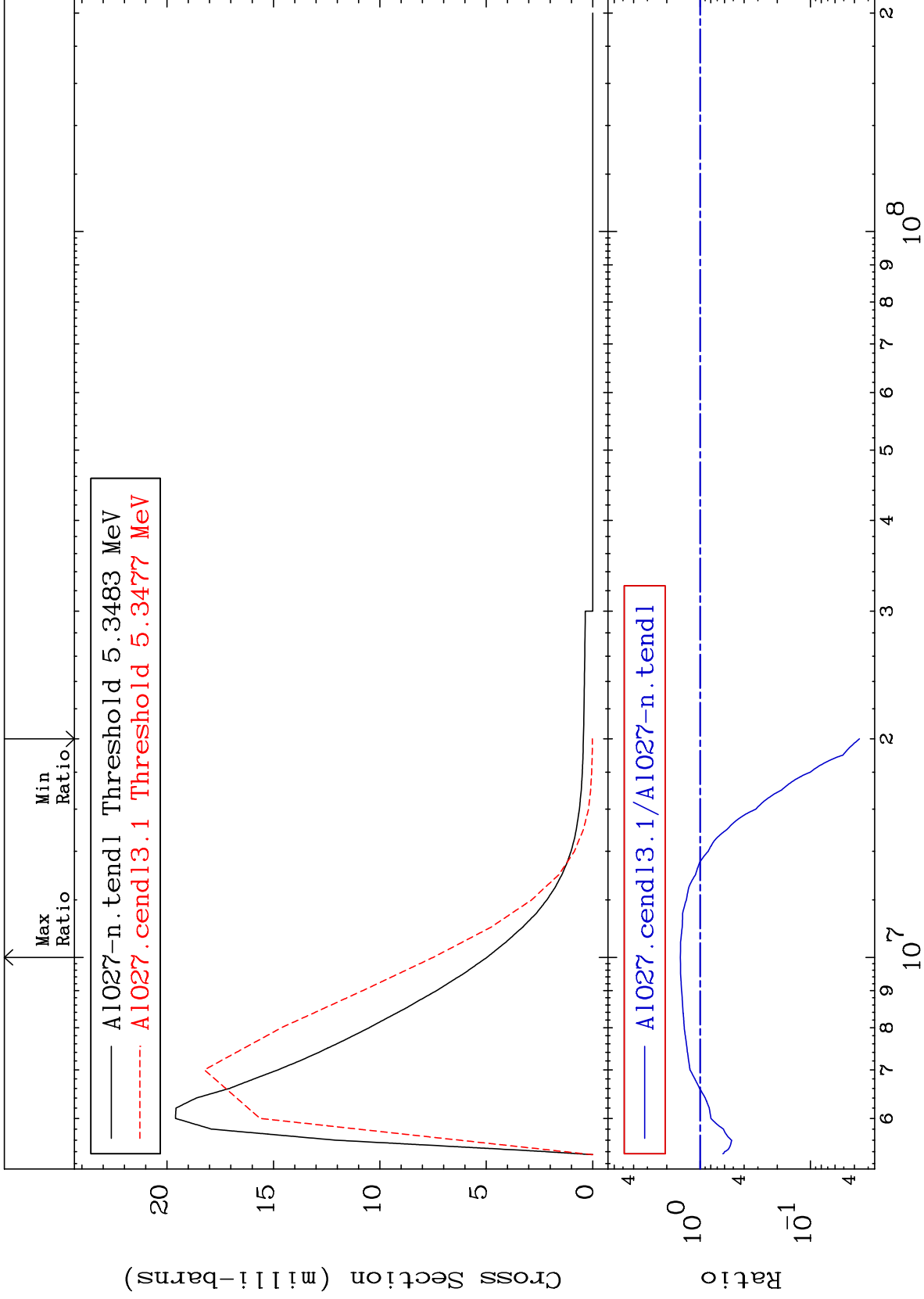




MAT 1325

5.156 MeV (n,n') Level  
Cross Section

13-Al-27  
-96.39 To 50.92 %



20

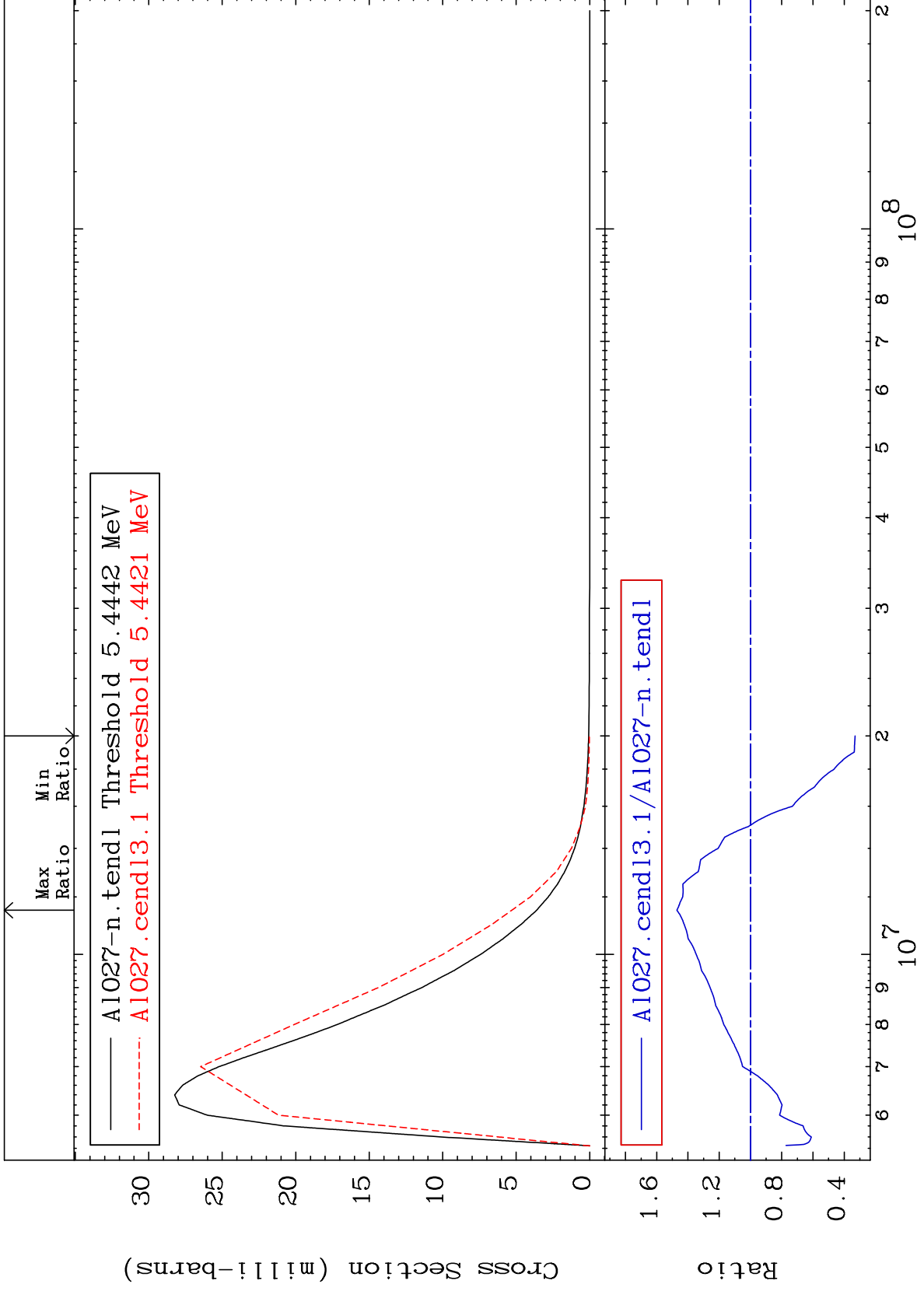
13-Al-27

13-Al-27

MAT 1325

5.248 MeV (n,n') Level  
Cross Section

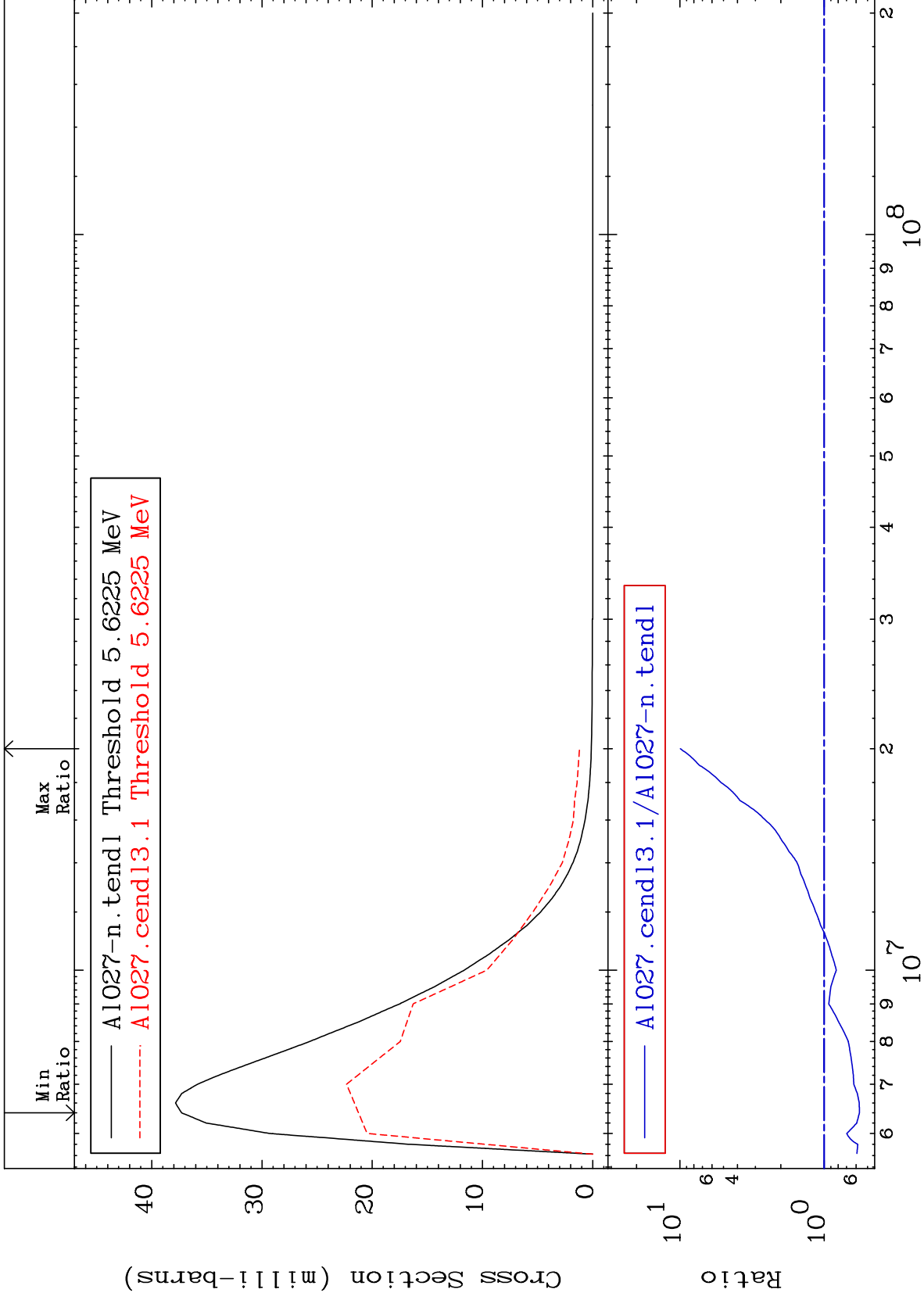
13-Al-27  
-66.95 To 47.07 %



MAT 1325

5.420 MeV (n,n') Level  
Cross Section

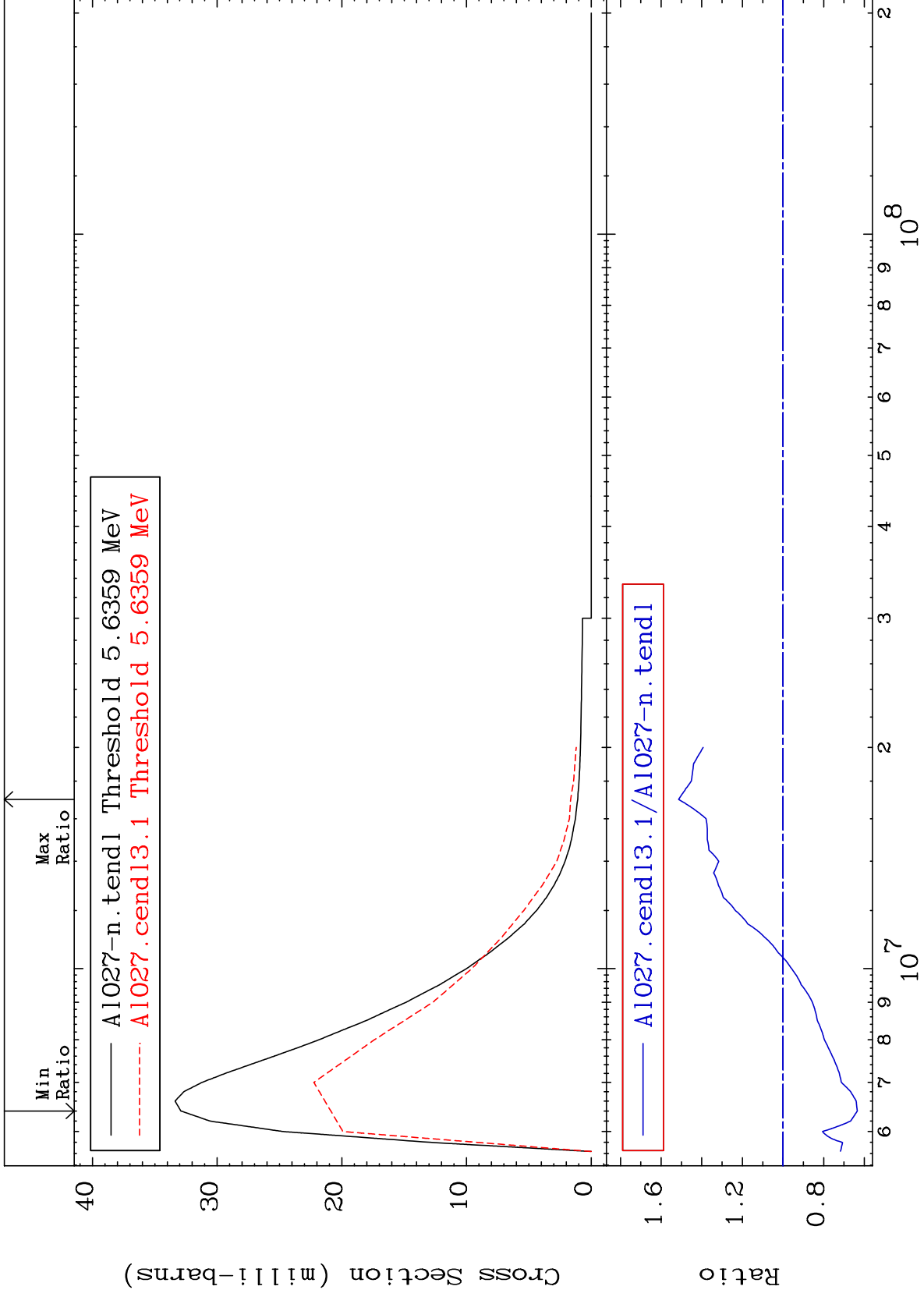
13-Al-27  
-43.05 To 894.2 %

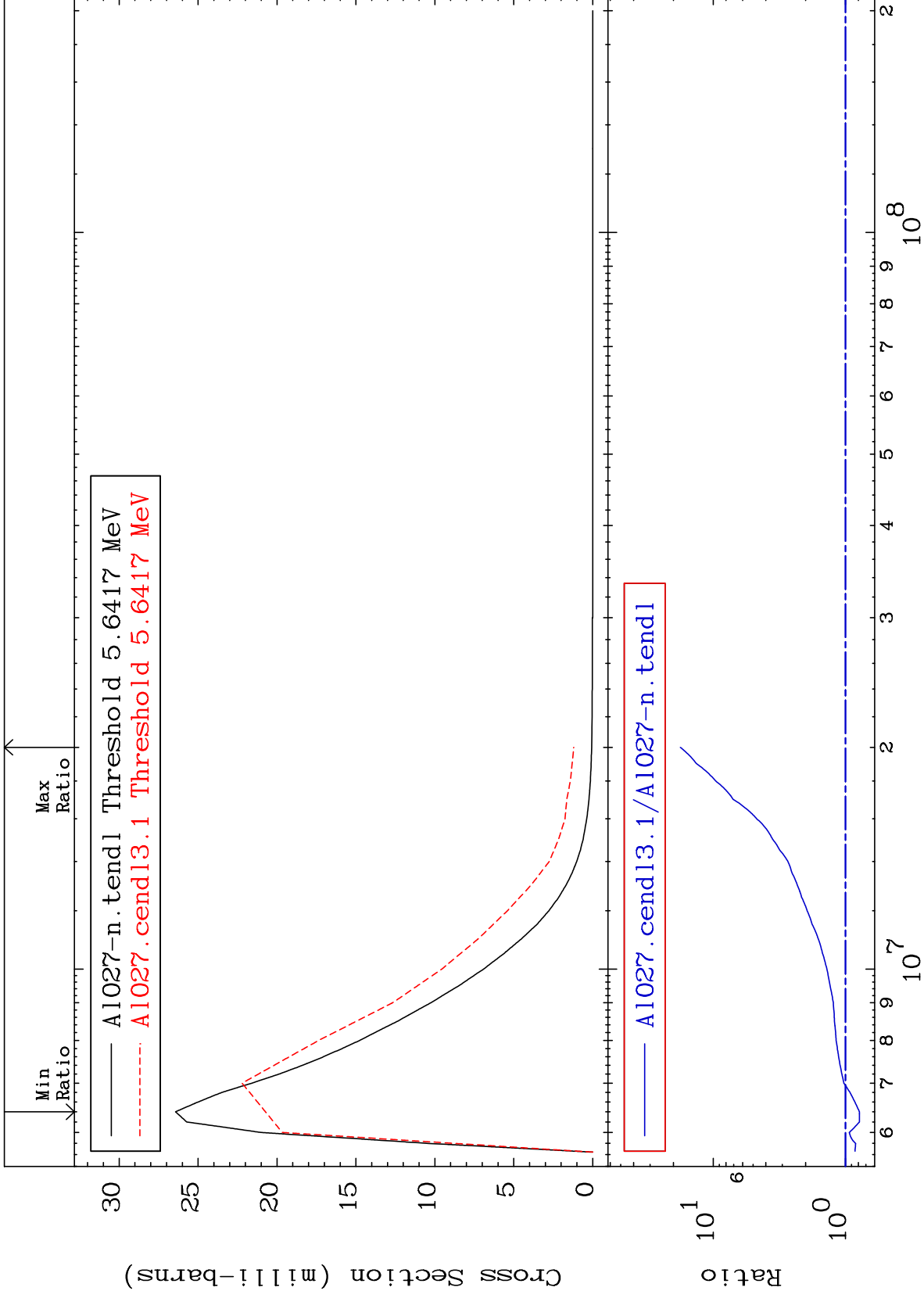


MAT 1325

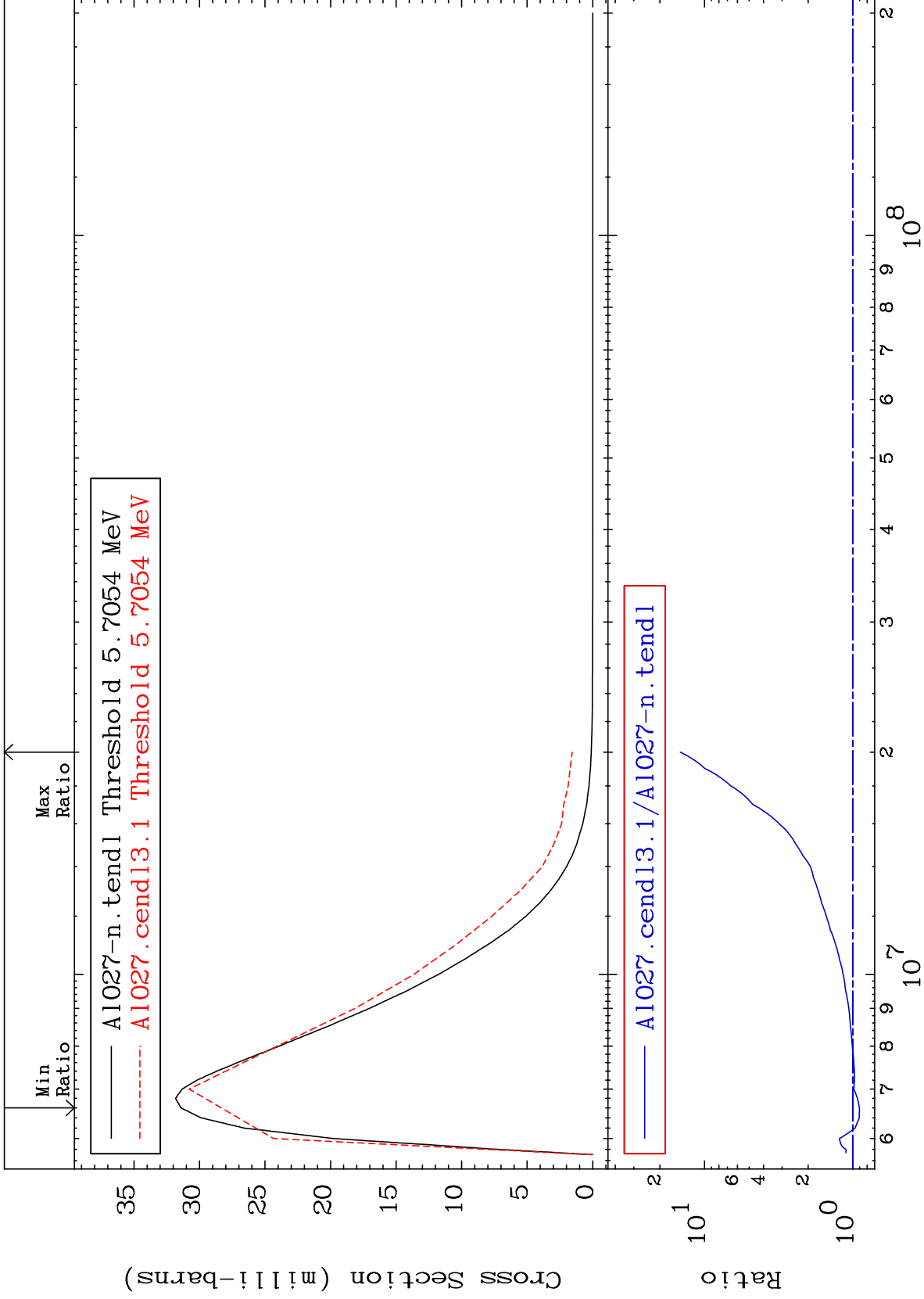
5.433 MeV (n,n') Level  
Cross Section

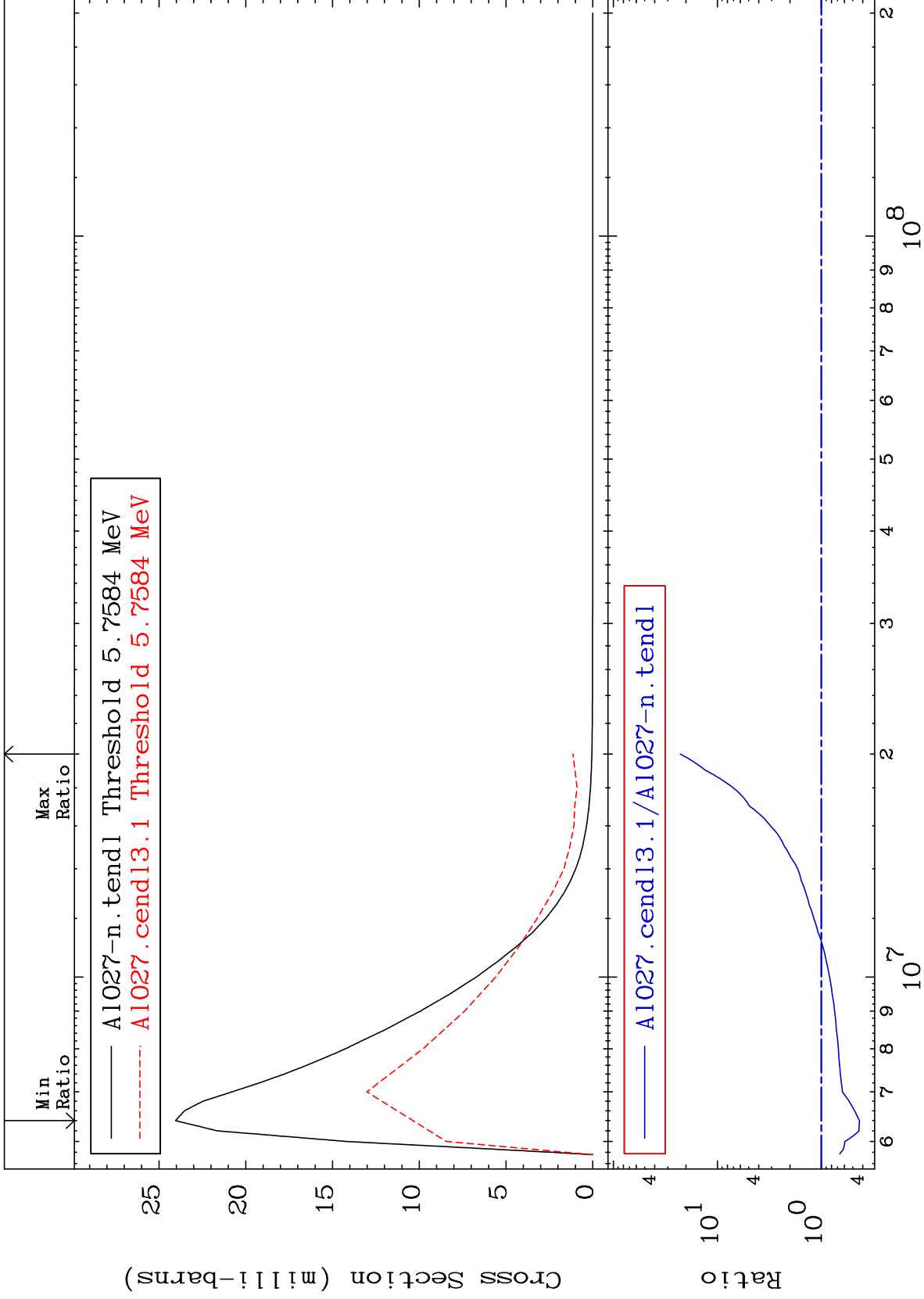
13-Al-27  
-36.53 To 51.38 %

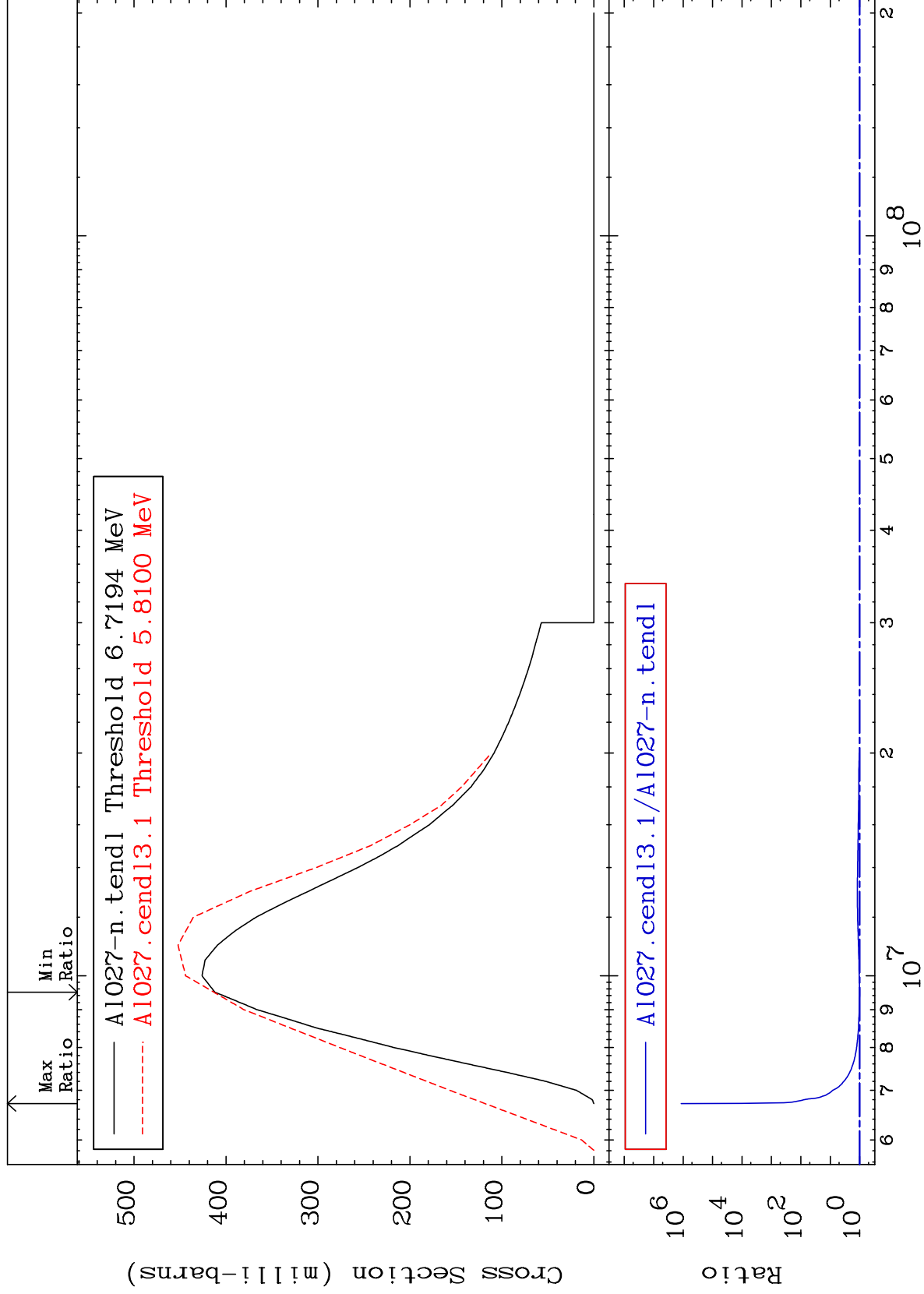








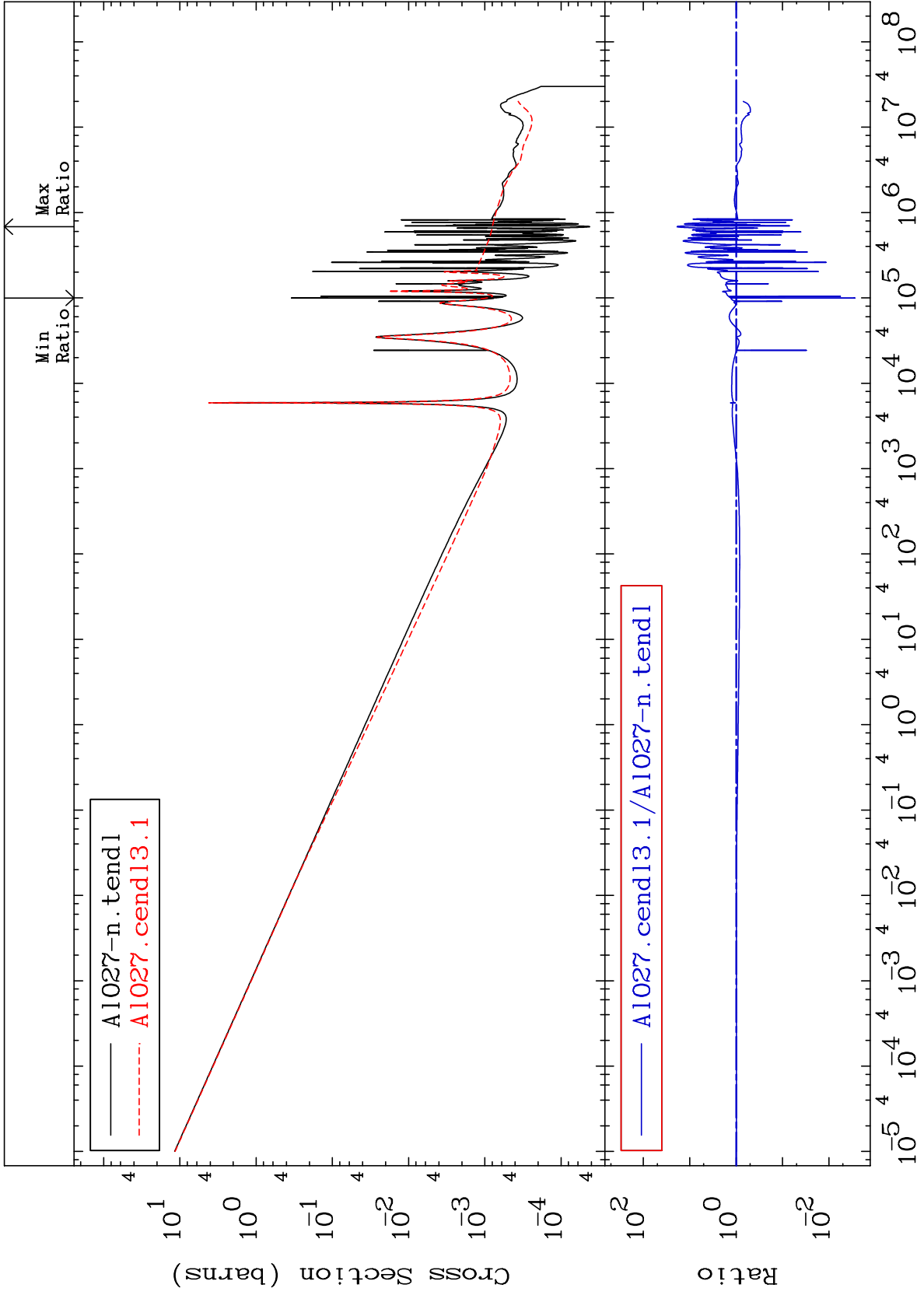




MAT 1325

(n,  $\gamma$ )  
Cross Section

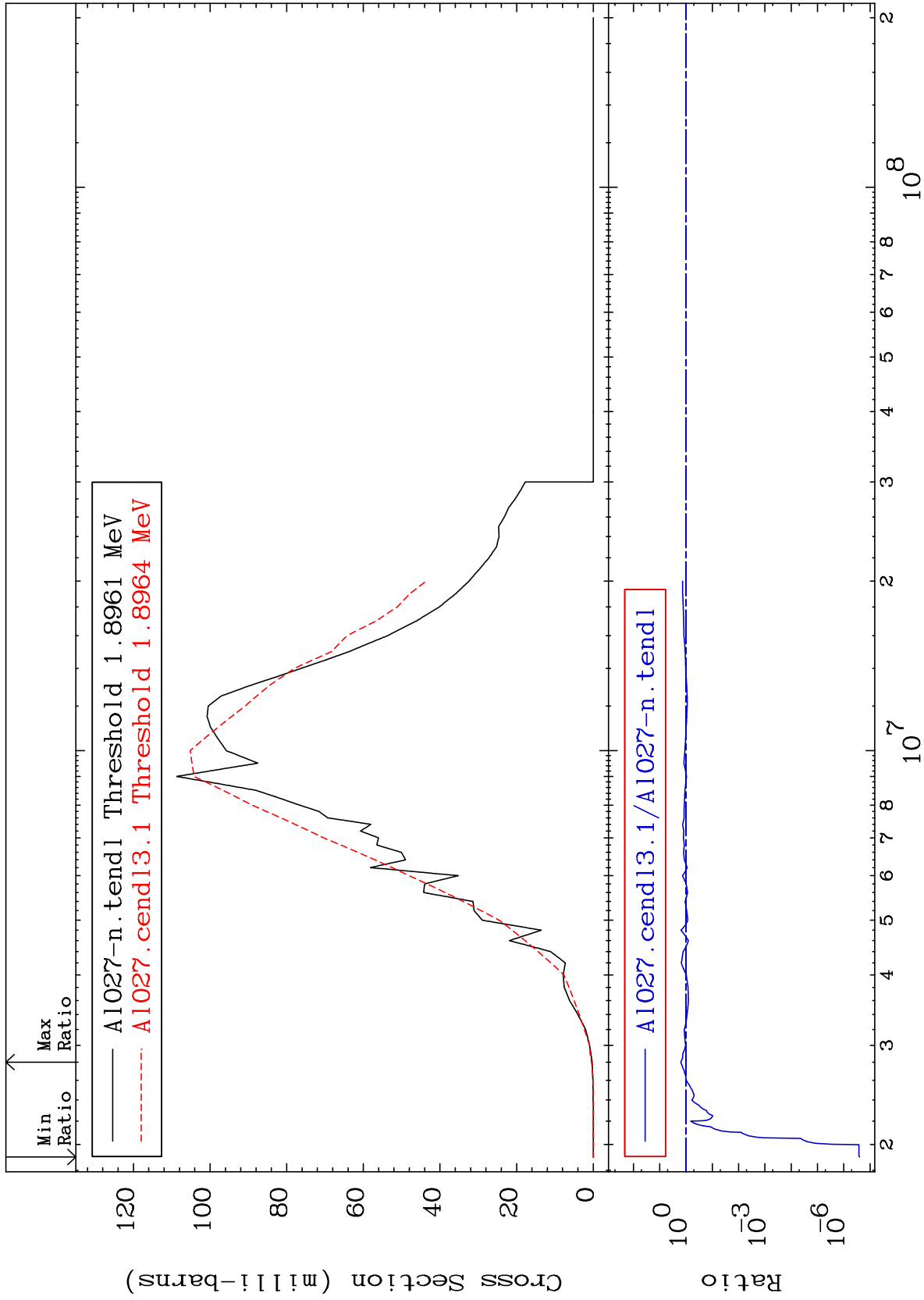
13-Al-27  
-99.73 To 1790. %



MAT 1325

(n,p)  
Cross Section

13-Al-27  
-100.0 To 57.85 %



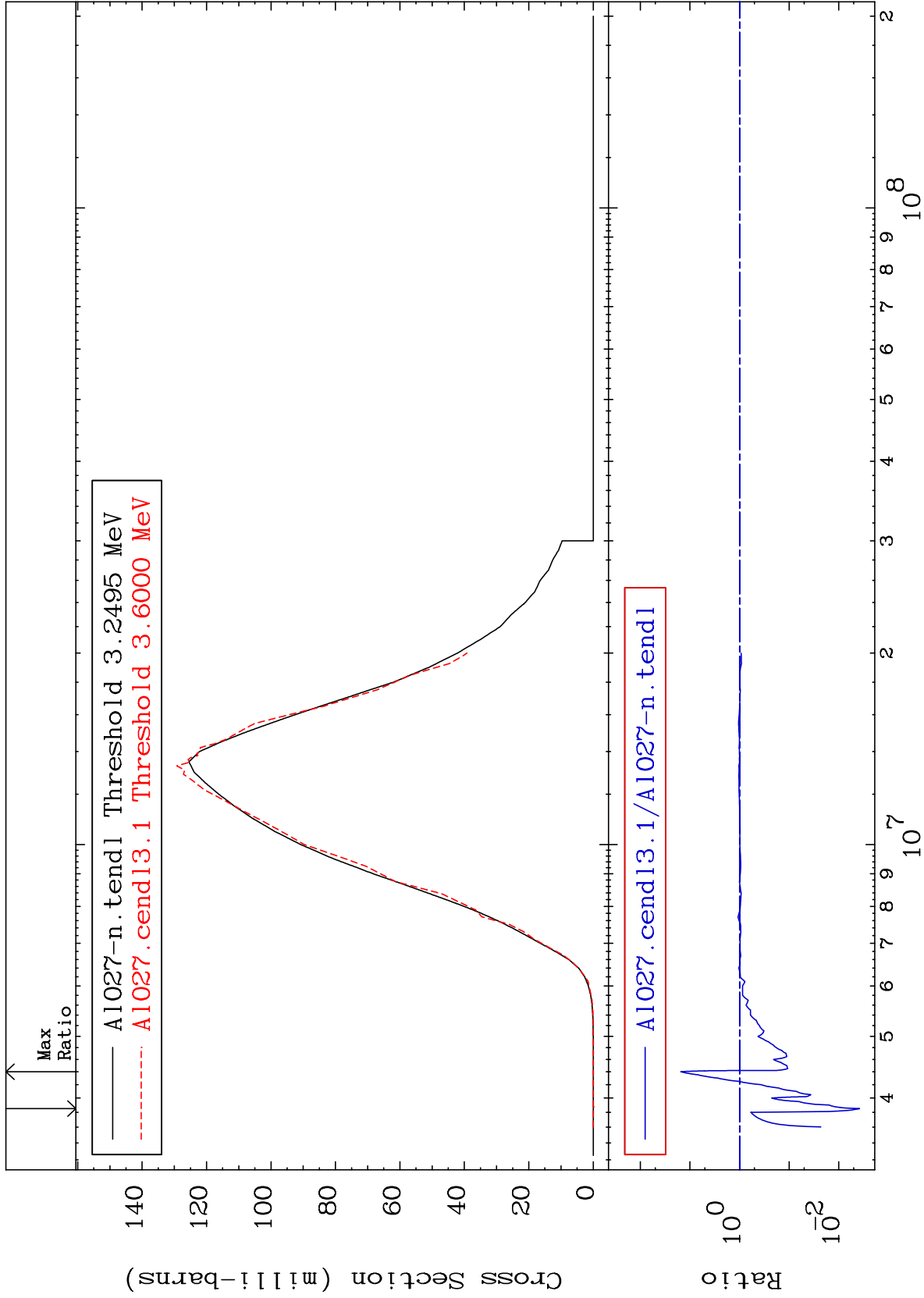
MAT 1325

(n,  $\alpha$ )

13-Al-27

Cross Section

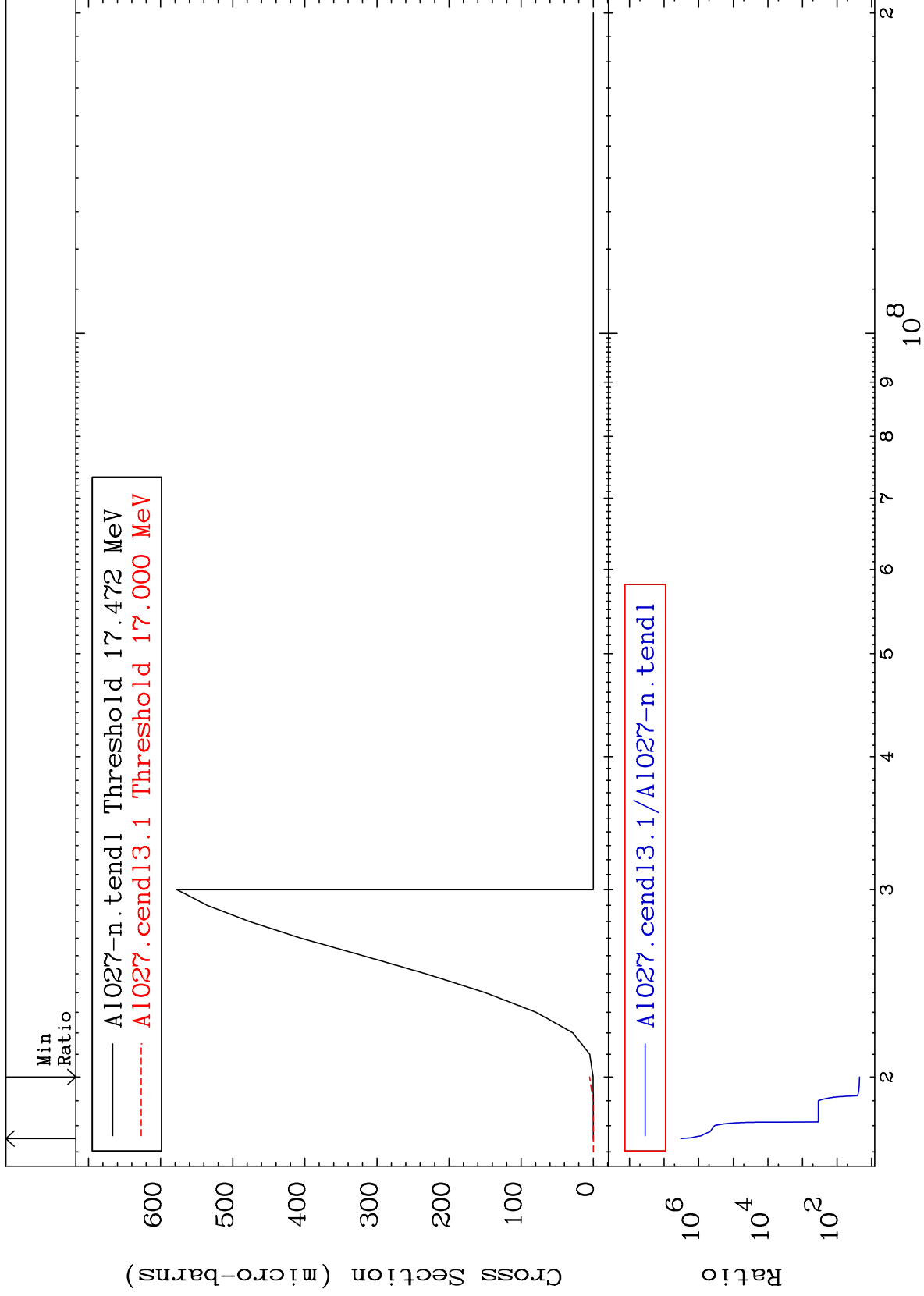
-99.62 To 1430. %



30

13-Al-27

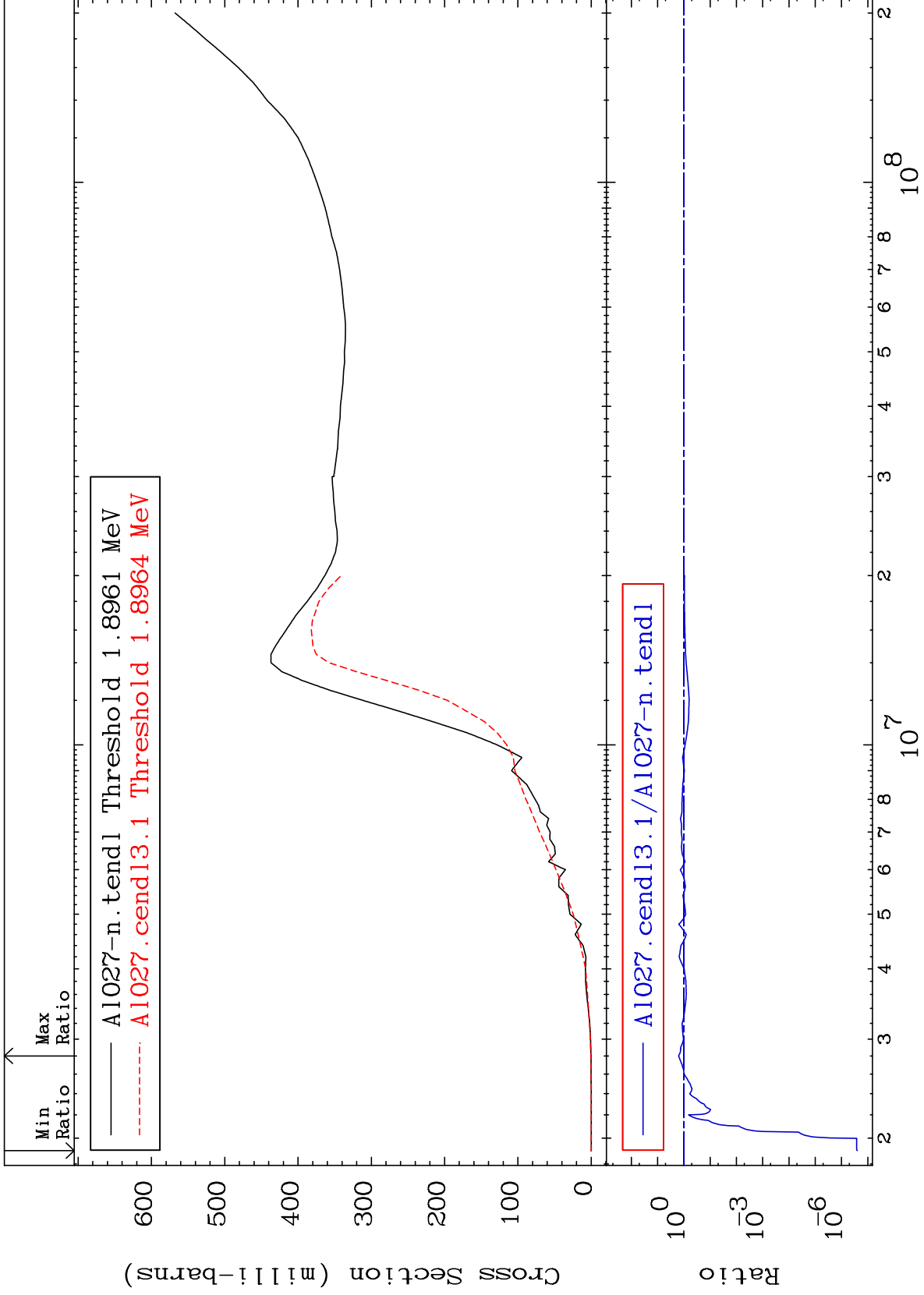
13-Al-27



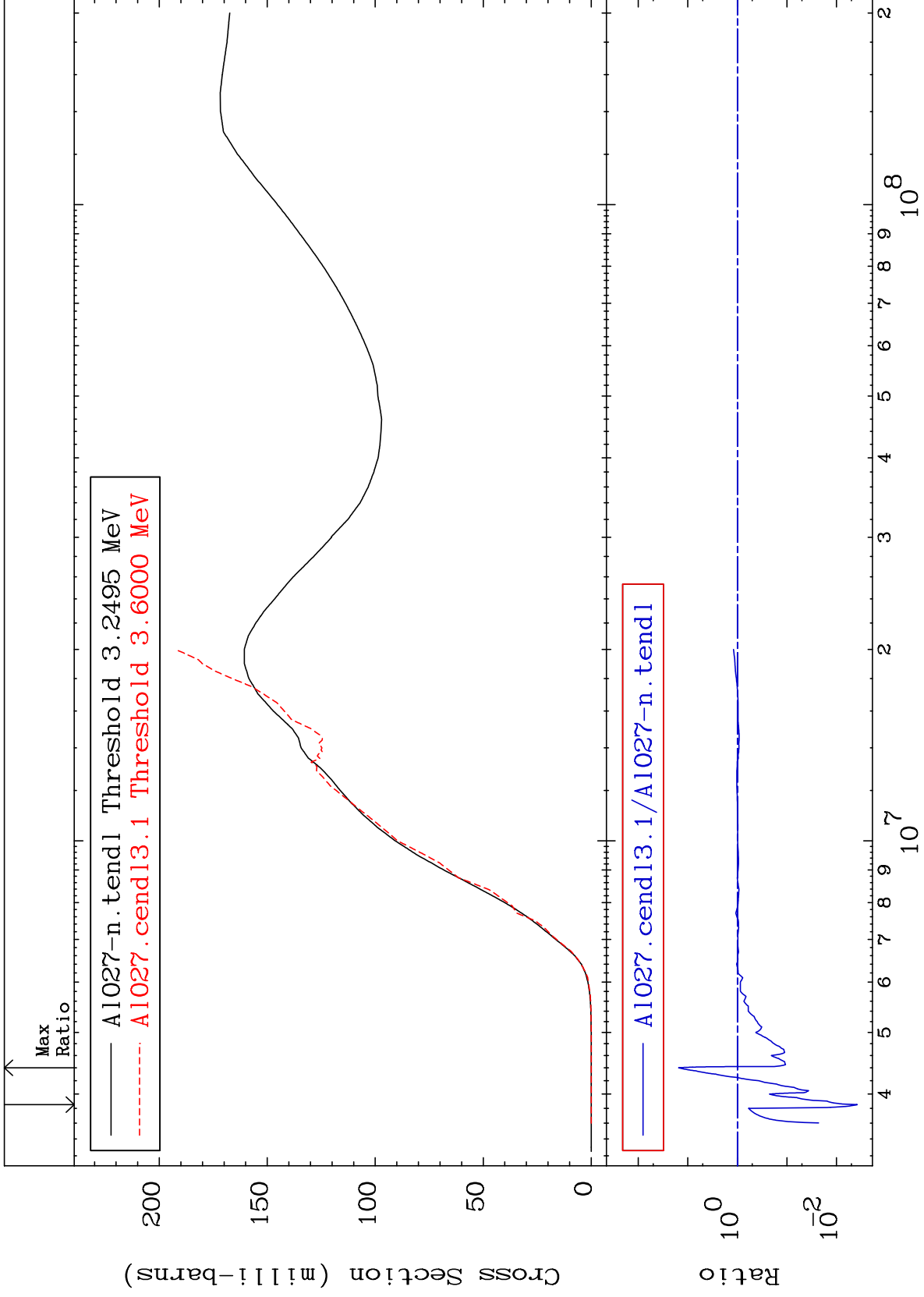
MAT 1325

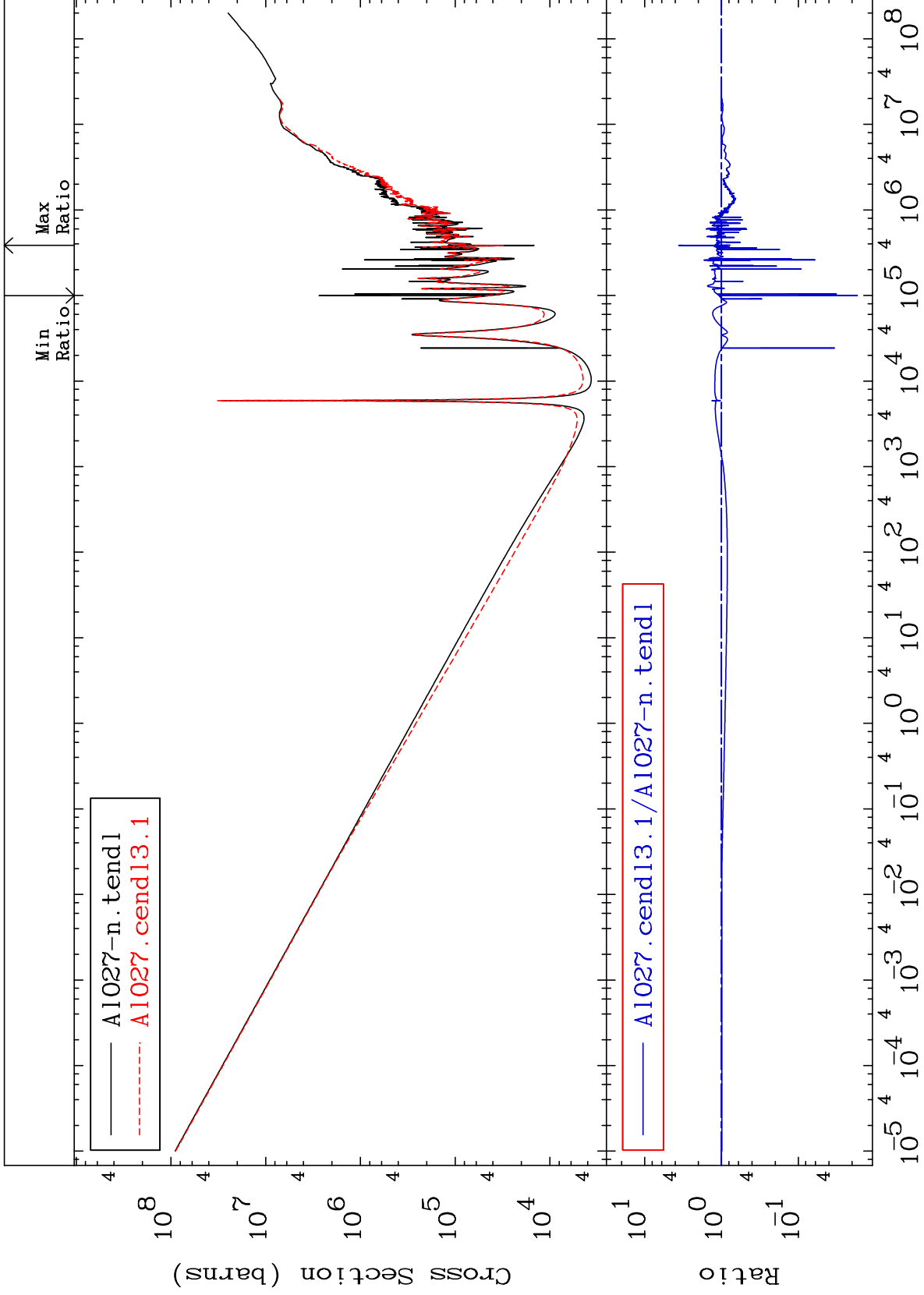
Hydrogen Production  
Cross Section

13-Al-27  
-100.0 To 57.85 %





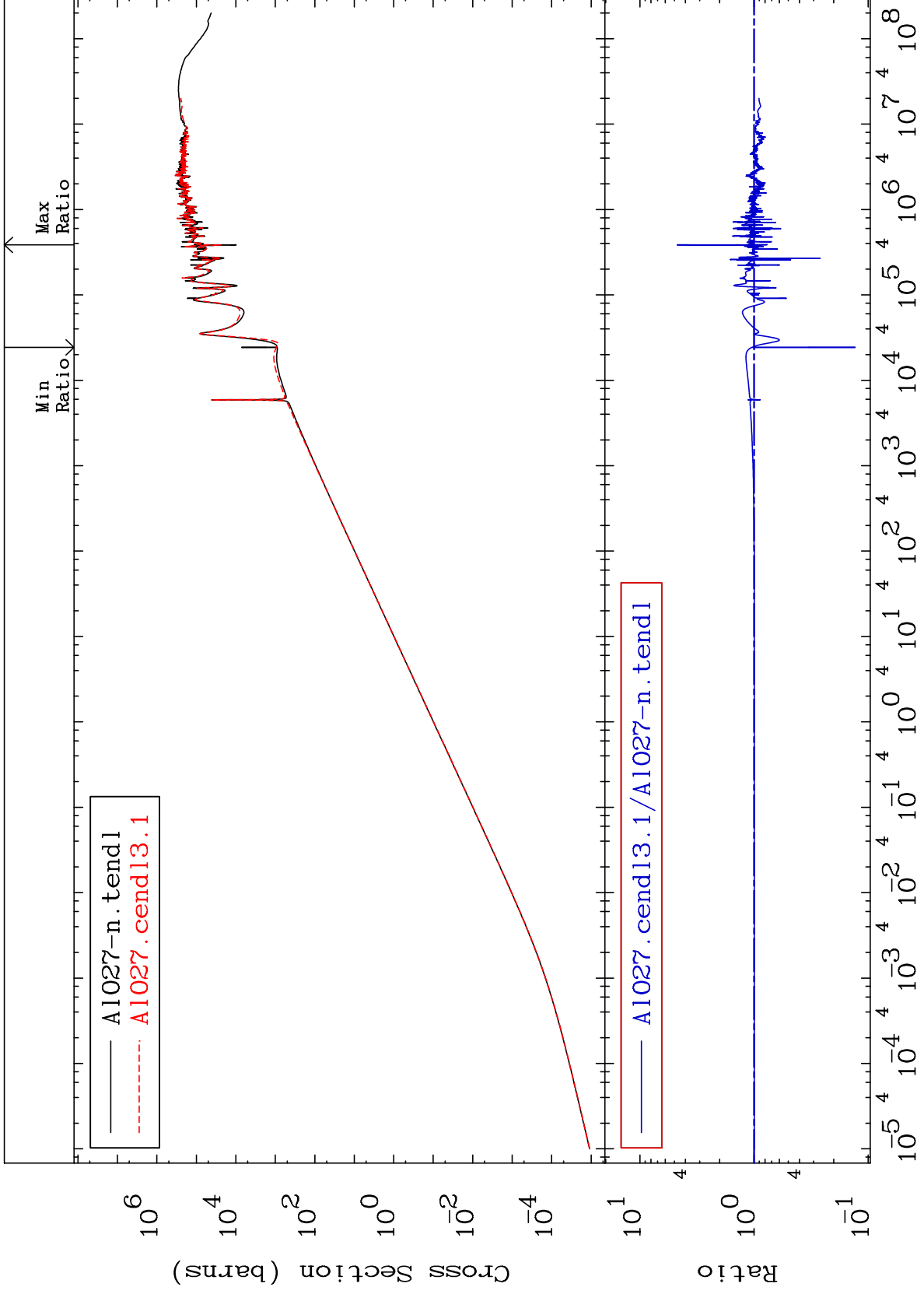




MAT 1325

Kerma elastic  
Cross Section

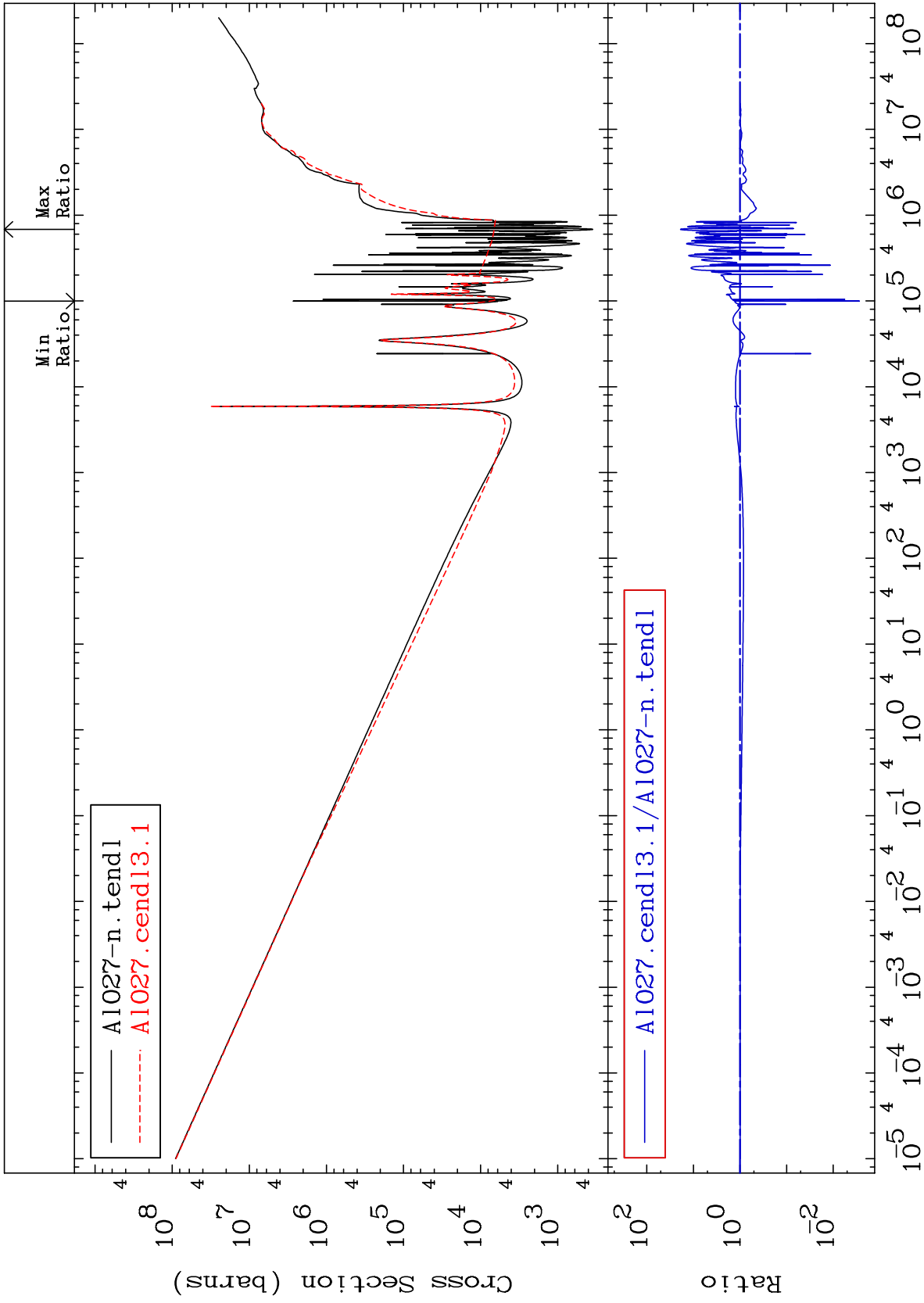
13-Al-27  
-87.01 To 374.2 %



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Incident Energy (eV)

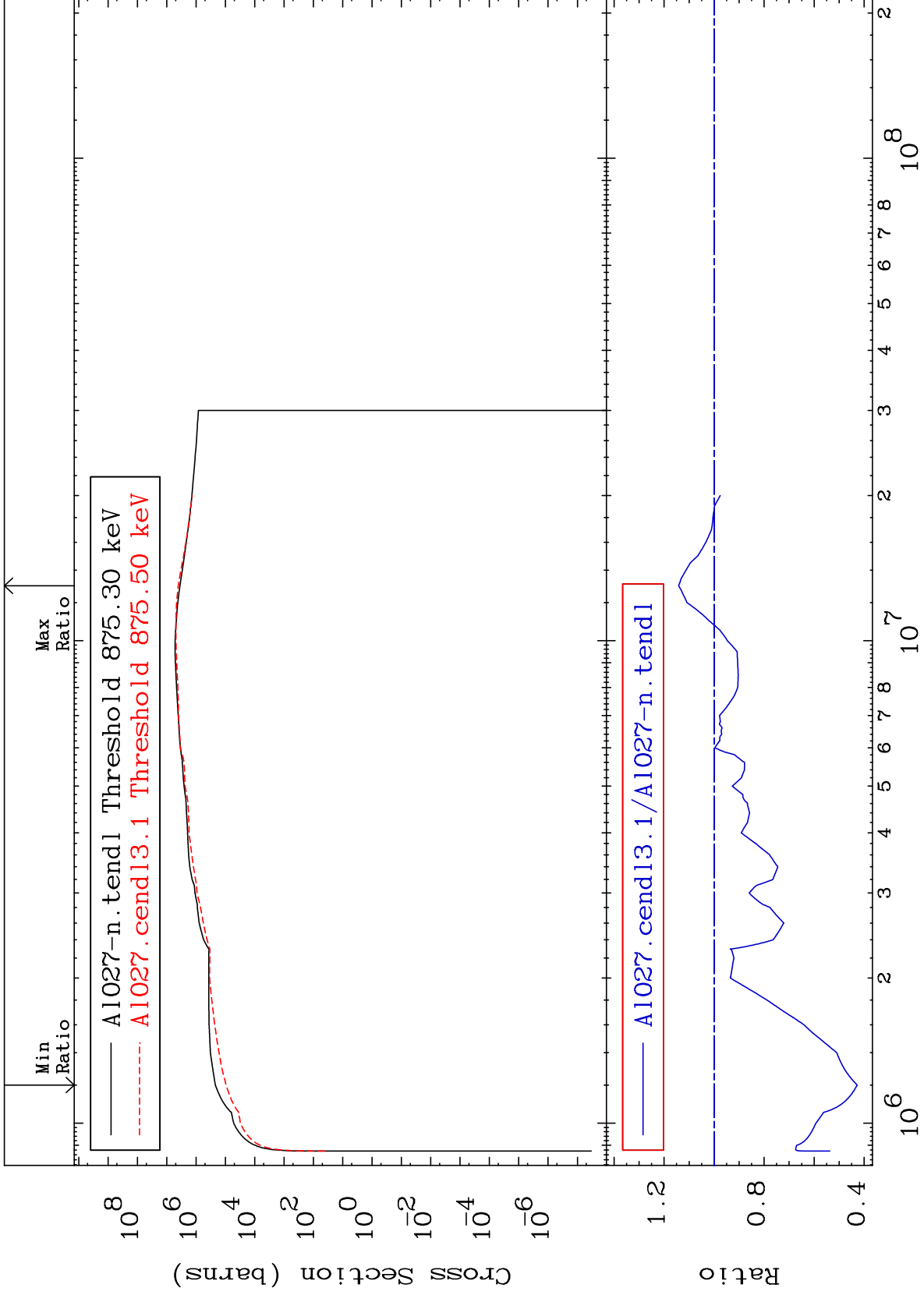
13-Al-27



MAT 1325

Kerma inelastic (mt51-91)  
Cross Section

13-Al-27  
-57.24 To 14.19 %



37

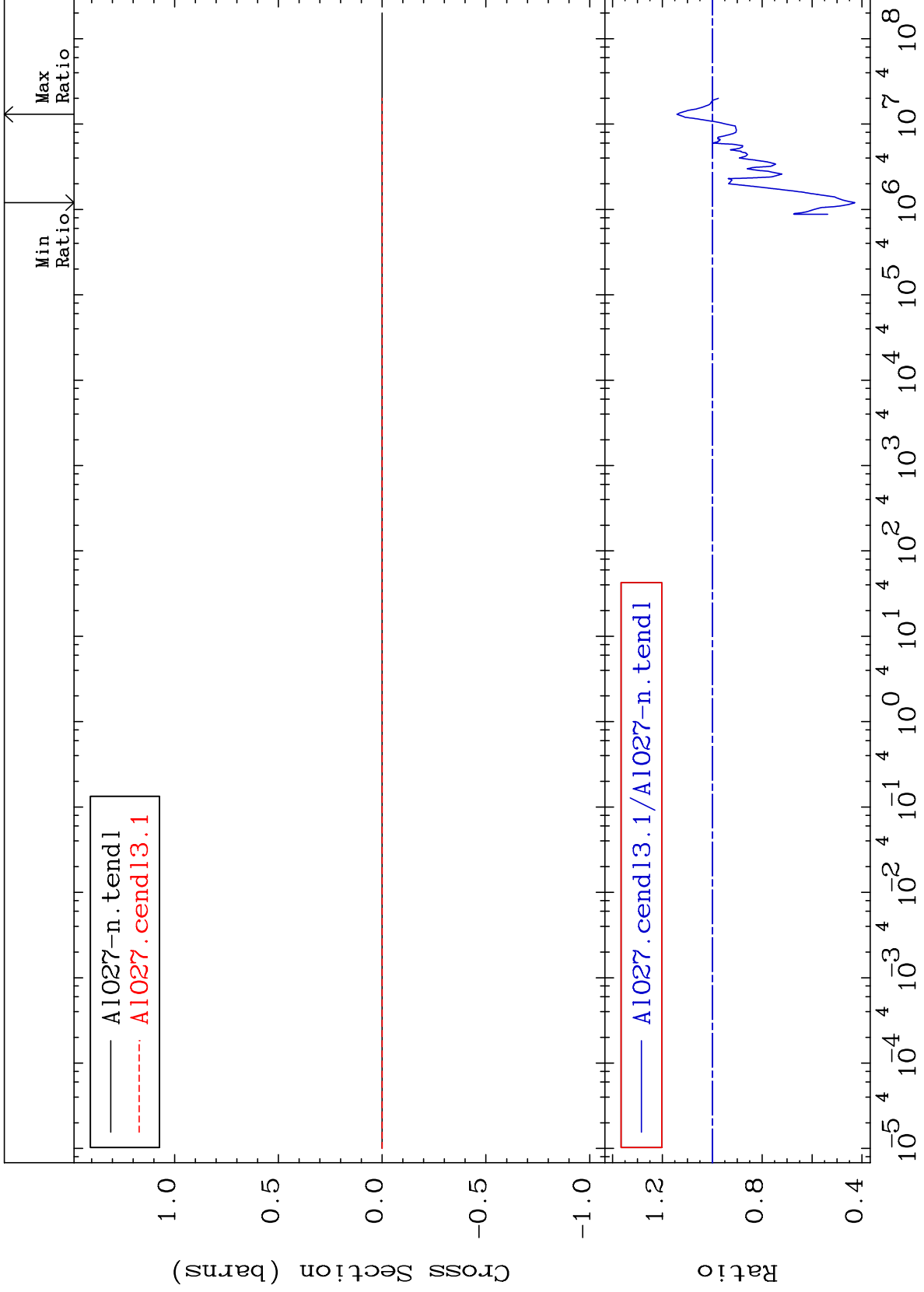
Incident Energy (eV)

13-Al-27

MAT 1325

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

13-A1-27  
-57.24 To 14.19 %



38

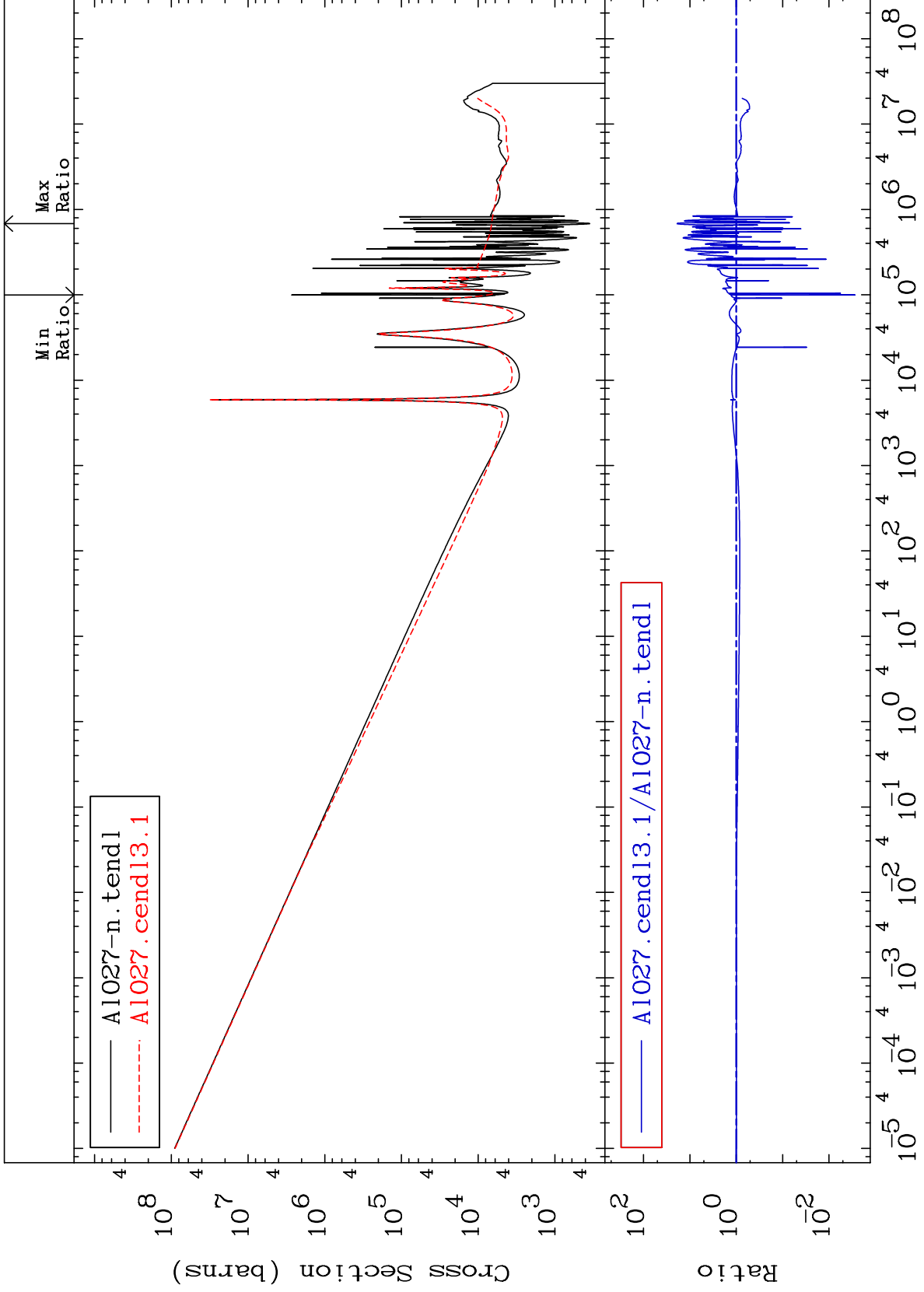
Incident Energy (eV)

13-A1-27

MAT 1325

Kerma capture (mt102)  
Cross Section

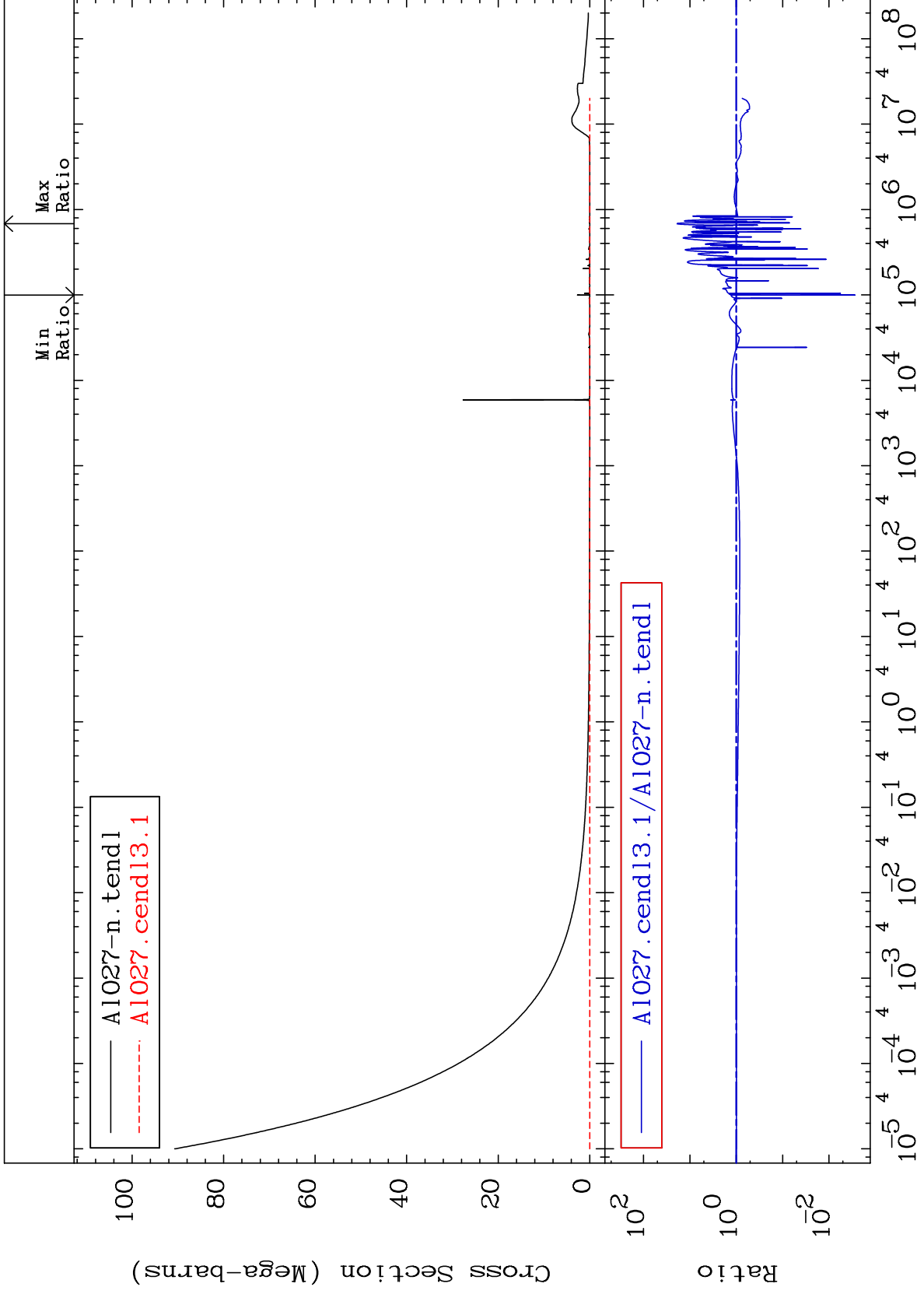
13-Al-27  
-99.73 To 1800. %



MAT 1325

Total photon (eV-barns)  
Cross Section

13-Al-27  
-99.73 To 1800. %



Incident Energy (eV)

40

13-Al-27



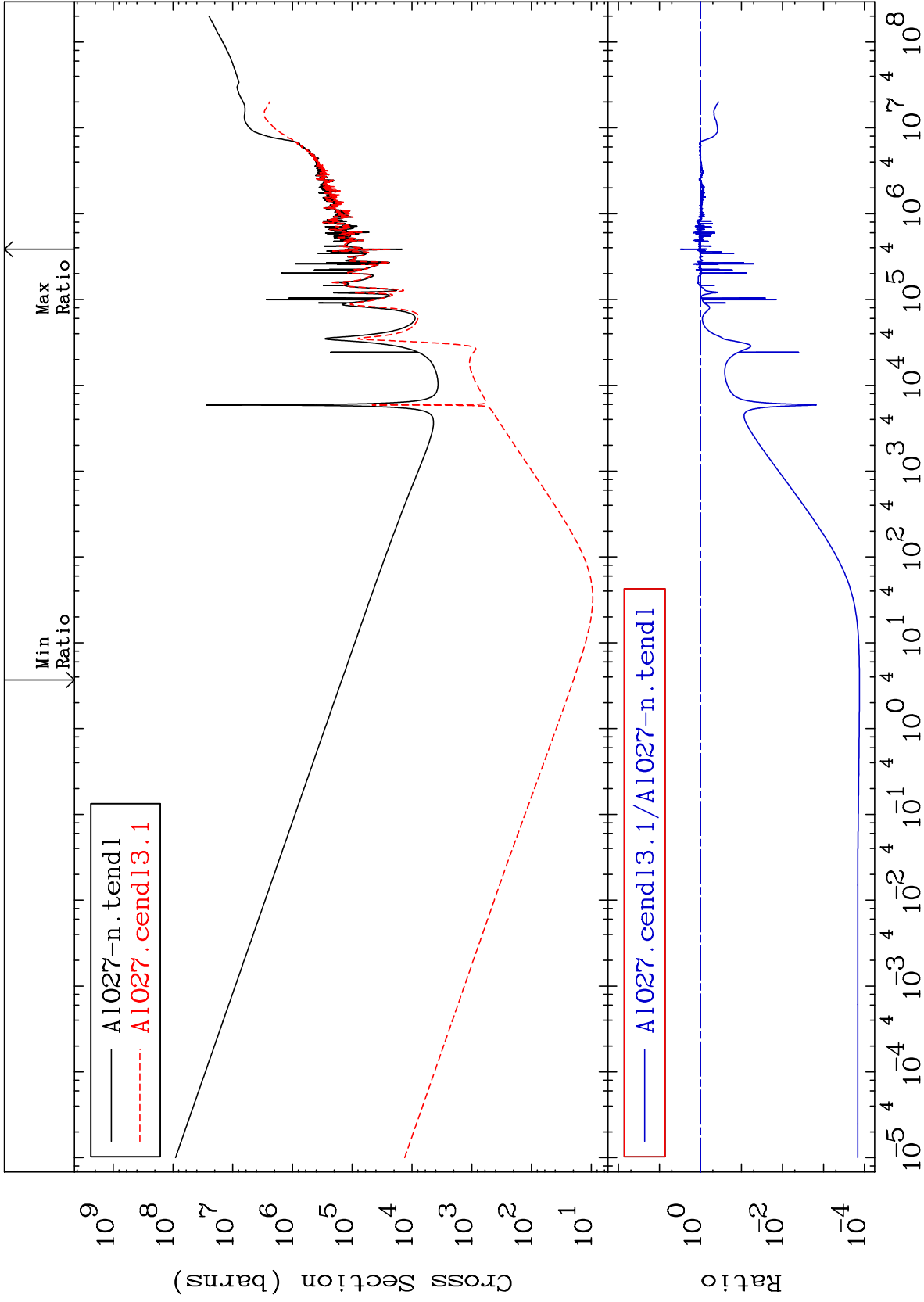
MAT 1325

Total kinematic kerma (high limit)

13-Al-27

Cross Section

-99.99 To 209.3 %



41

Incident Energy (eV)

13-Al-27

MAT 1325

Dpa total (eV-barns)  
Cross Section

13-Al-27  
-86.99 To 644.4 %

