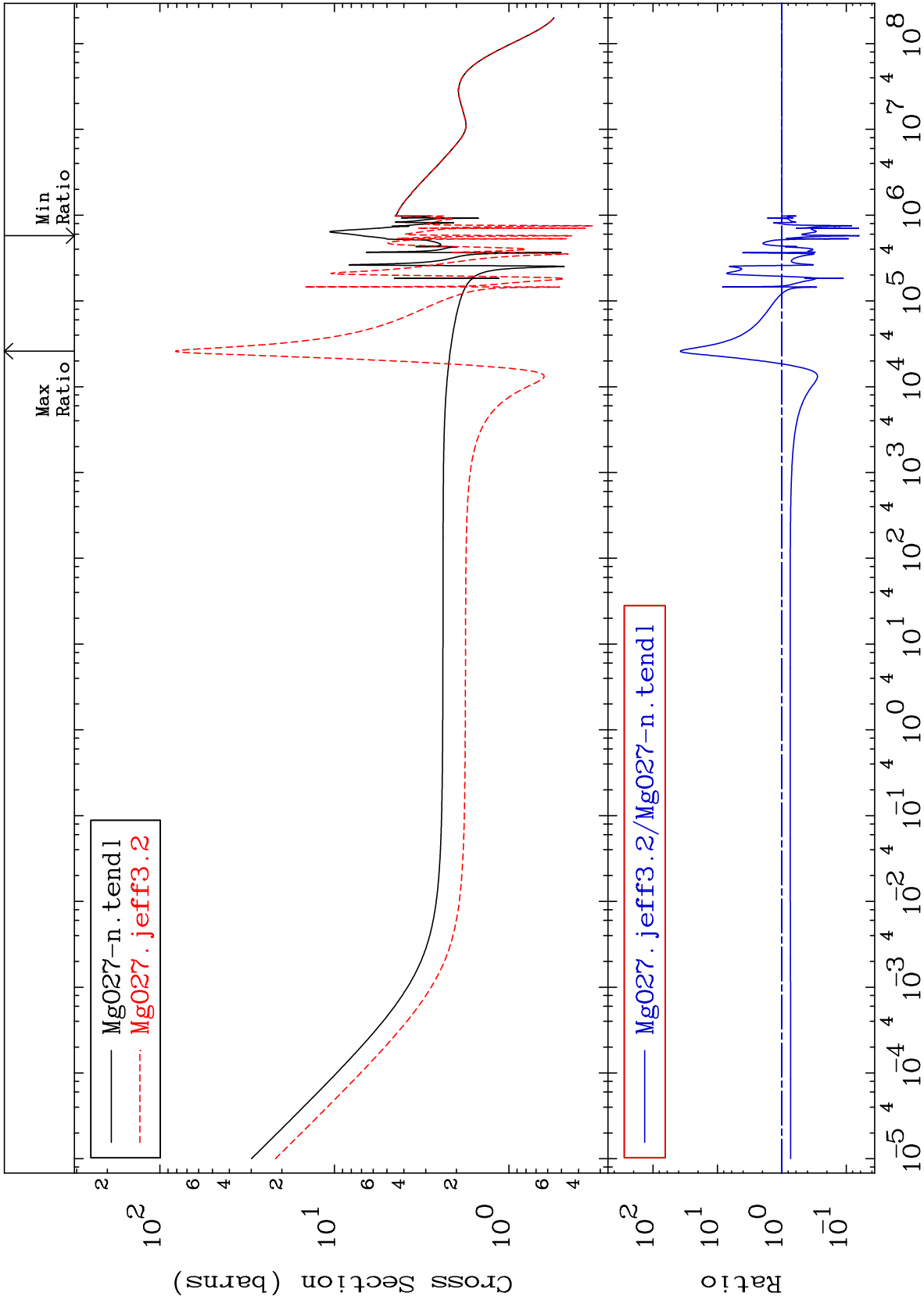


MAT 1234

Total  
Cross Section

12-Mg-27  
-93.76 To 3651. %



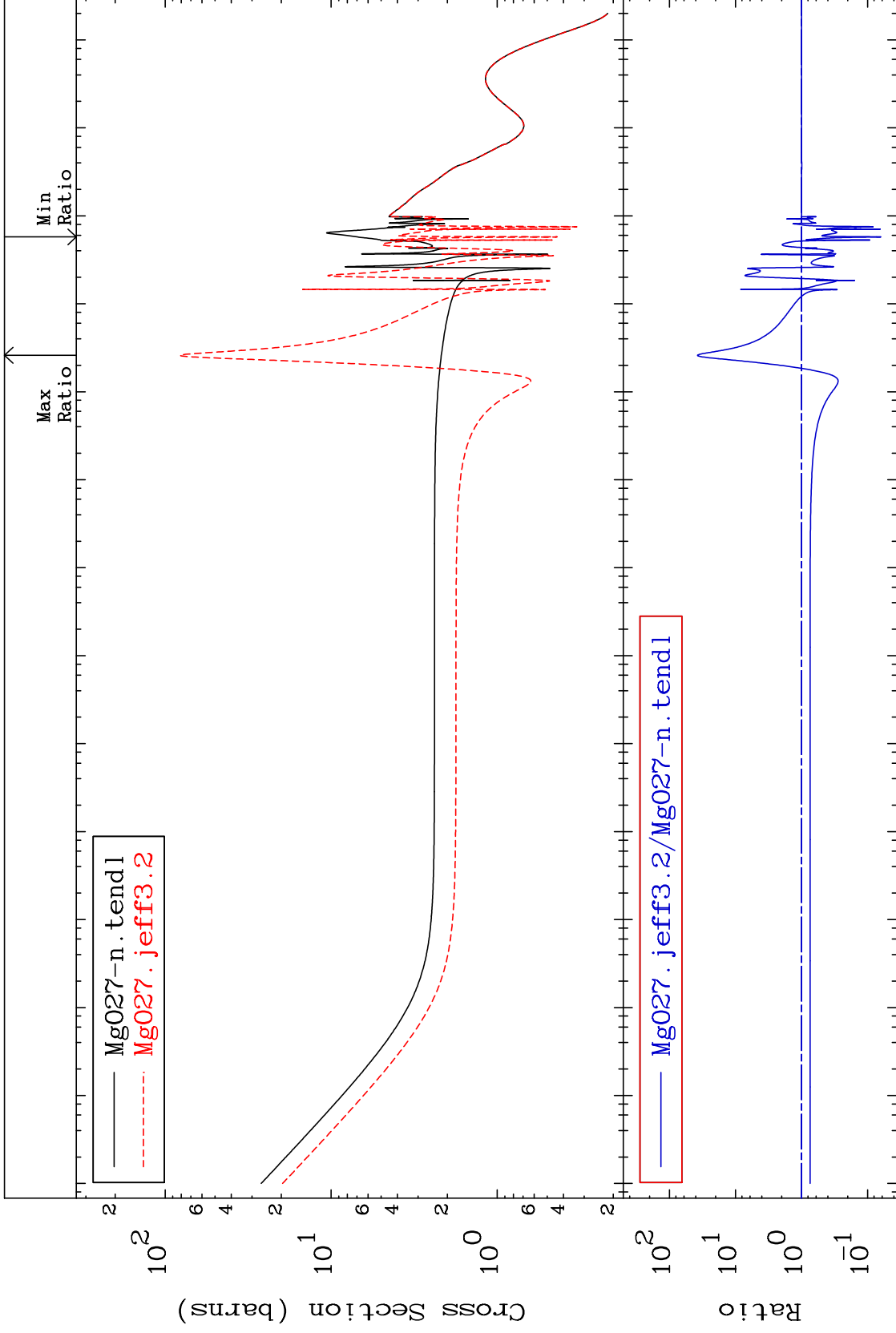
Incident Energy (eV)

12-Mg-27

MAT 1234

Elastic  
Cross Section

12-Mg-27  
-93.76 To 3651. %



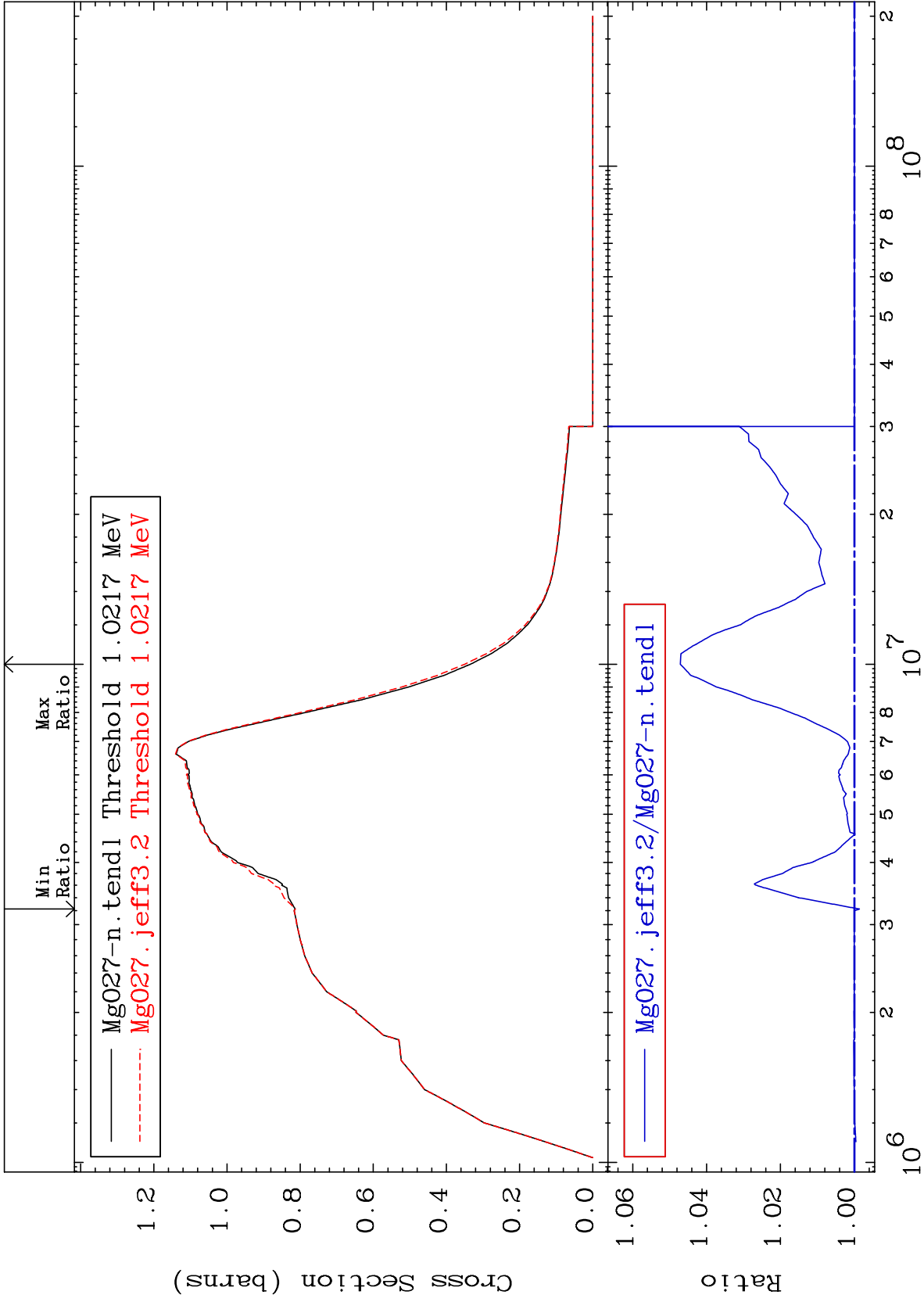
Incident Energy (eV)

12-Mg-27

MAT 1234

Inelastic  
Cross Section

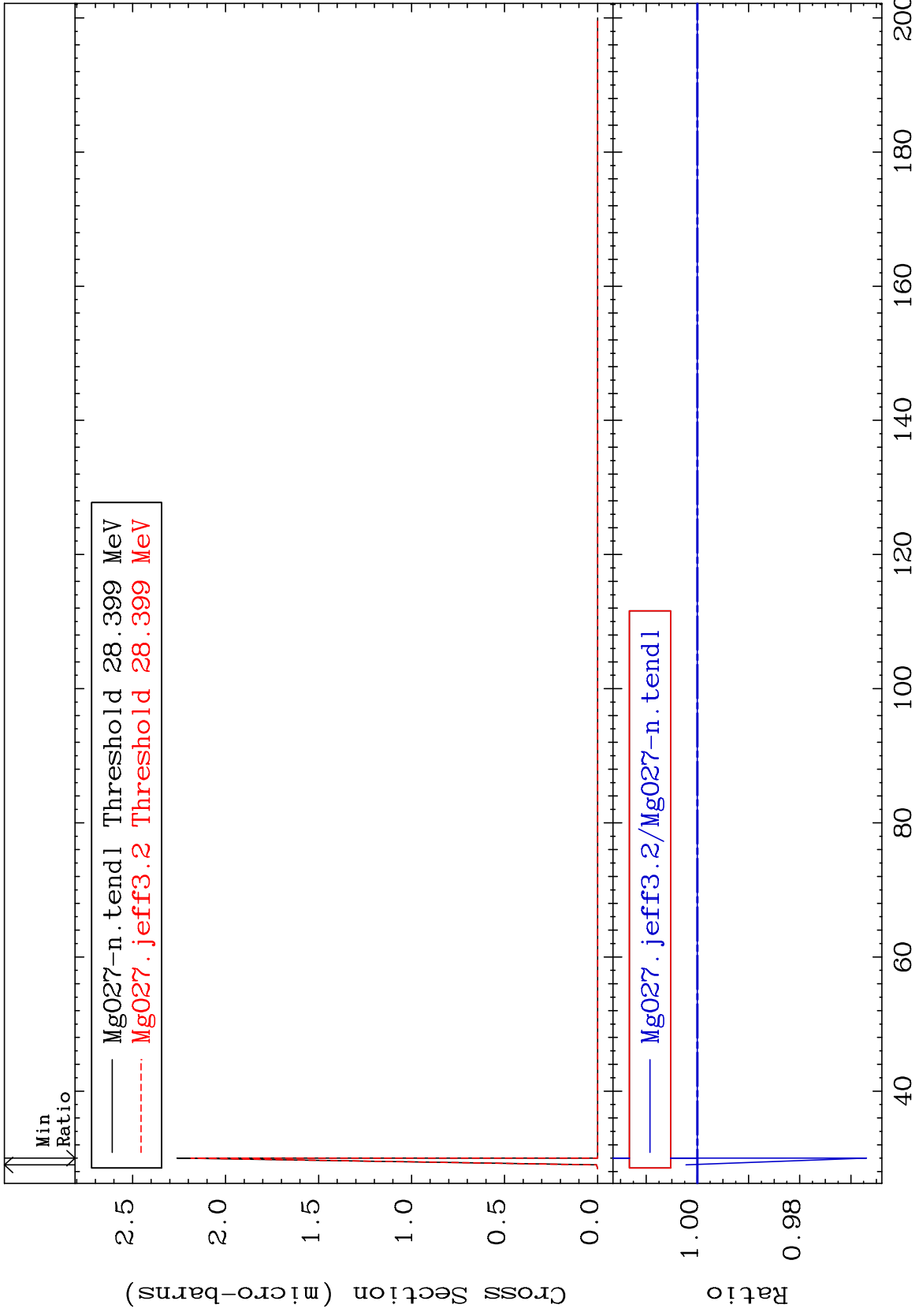
12-Mg-27  
-0.136 To 4.710 %



MAT 1234

(n,2n) d  
Cross Section

12-Mg-27  
-3.306 To 0.223 %



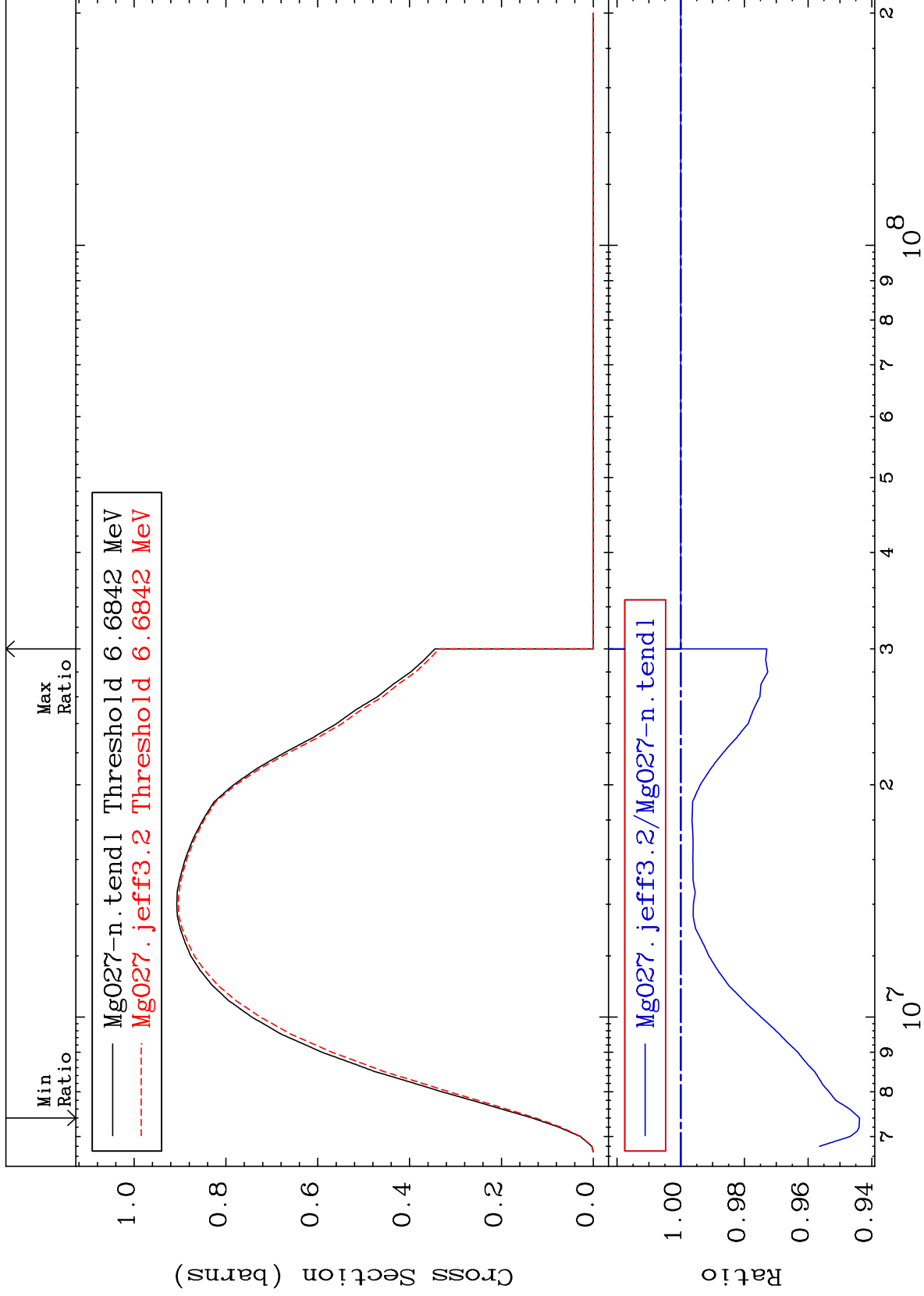
MAT 1234

(n,2n)

12-Mg-27

Cross Section

-5.615 To 0.000 %



MAT 1234

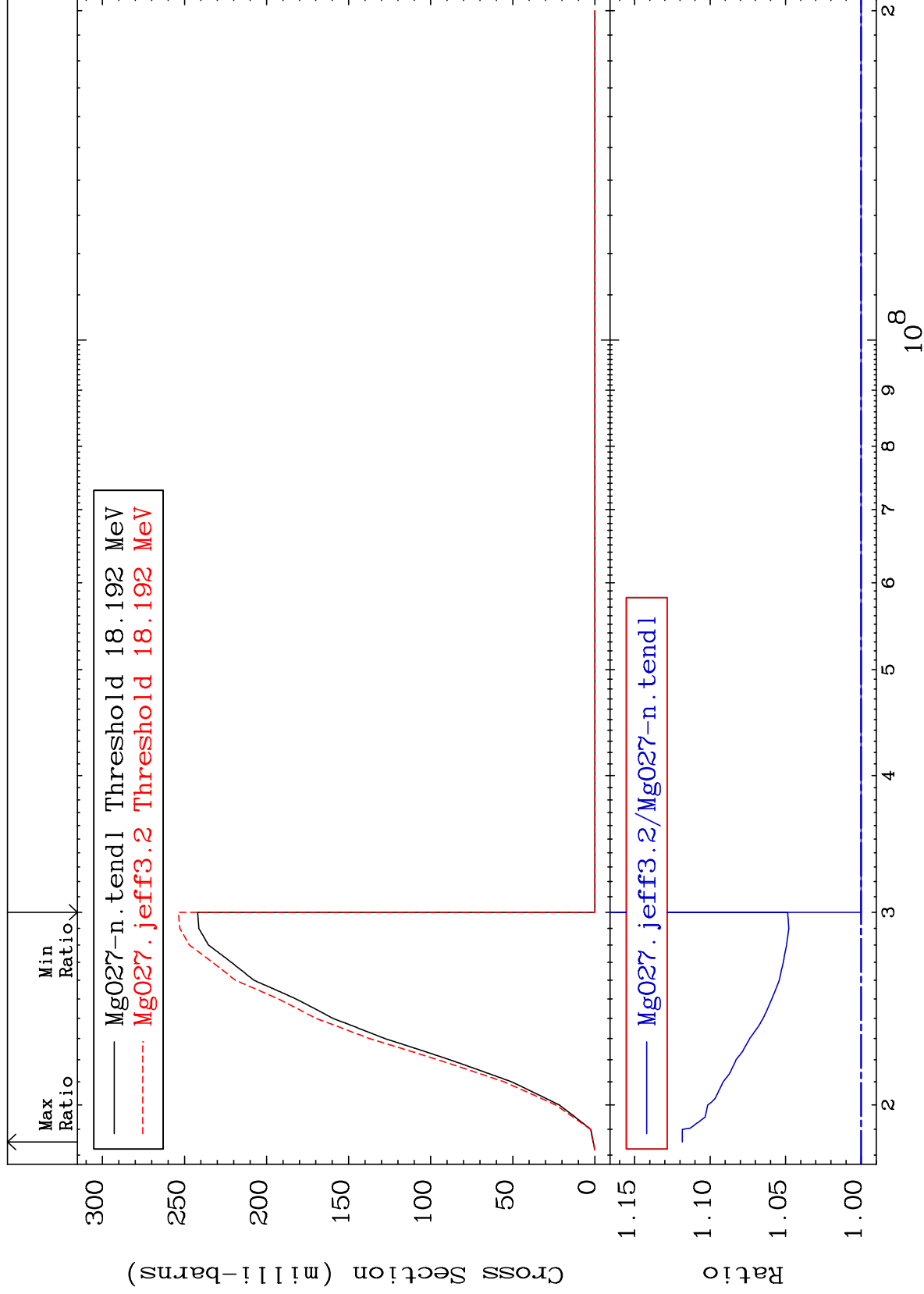
(n,3n)

12-Mg-27

Cross Section

0.000

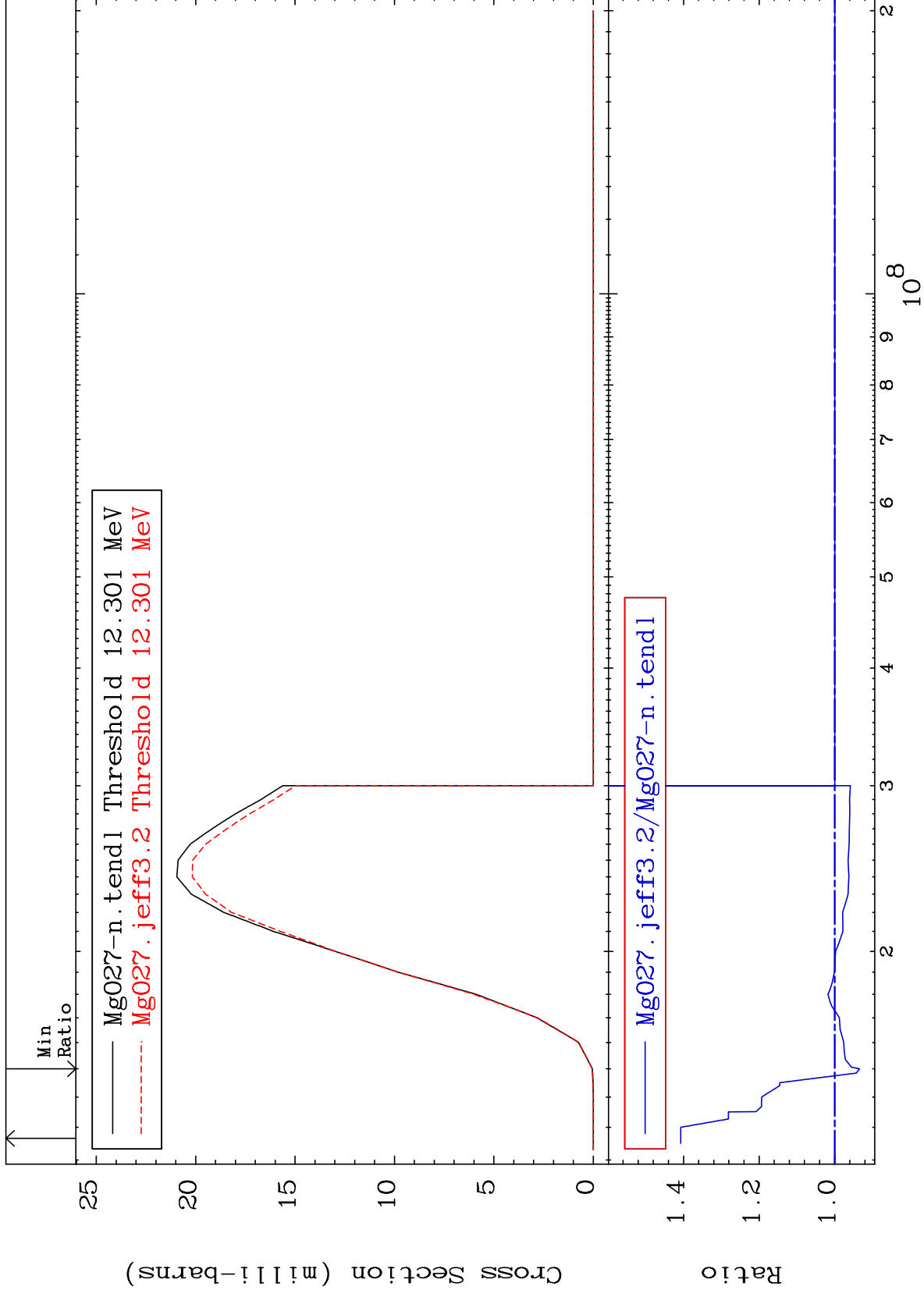
To 11.84 %



MAT 1234

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

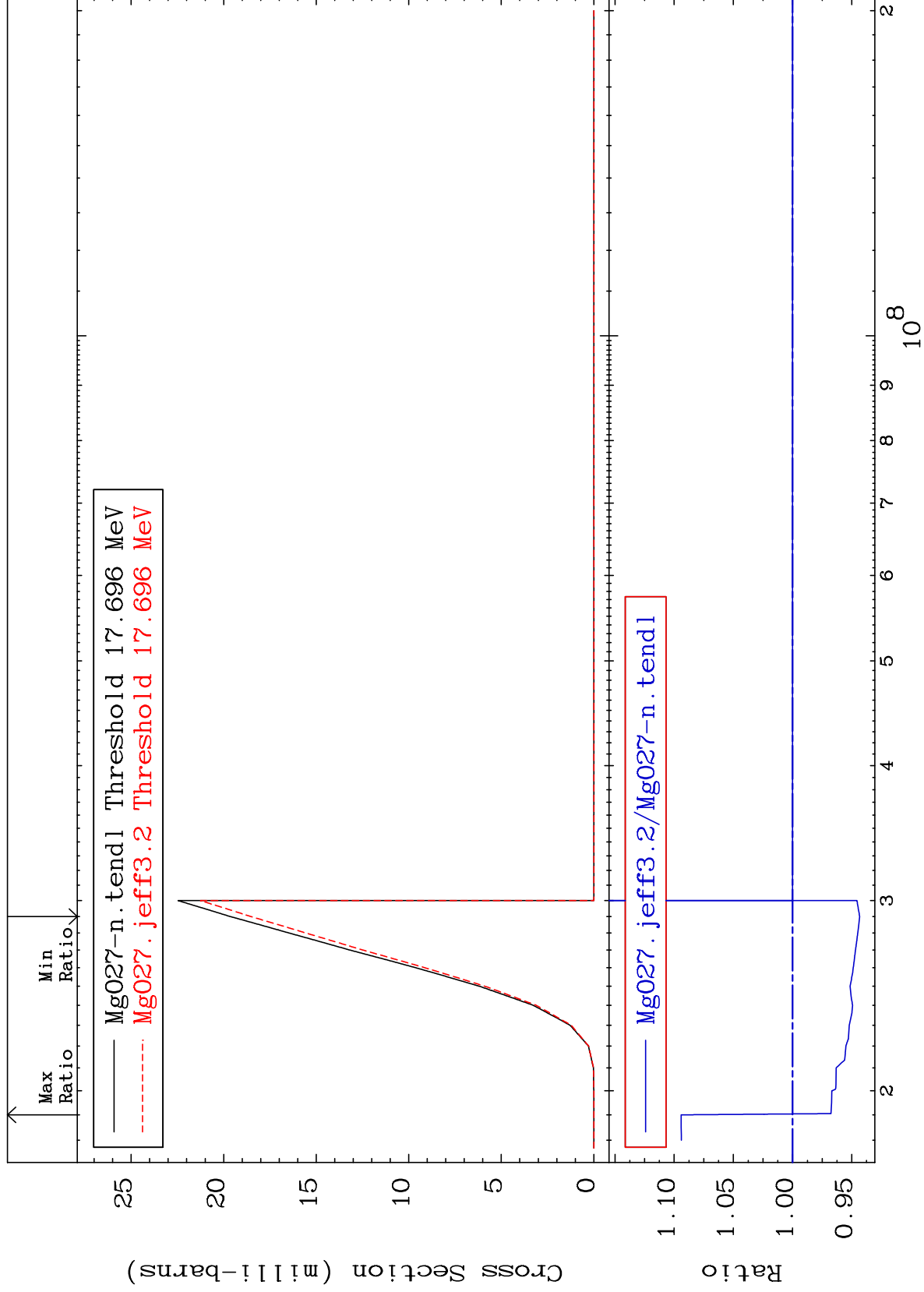
12-Mg-27  
-6.577 To 40.73 %



MAT 1234

(n,2n)  $\alpha$   
Cross Section

12-Mg-27  
-5.663 To 9.408 %

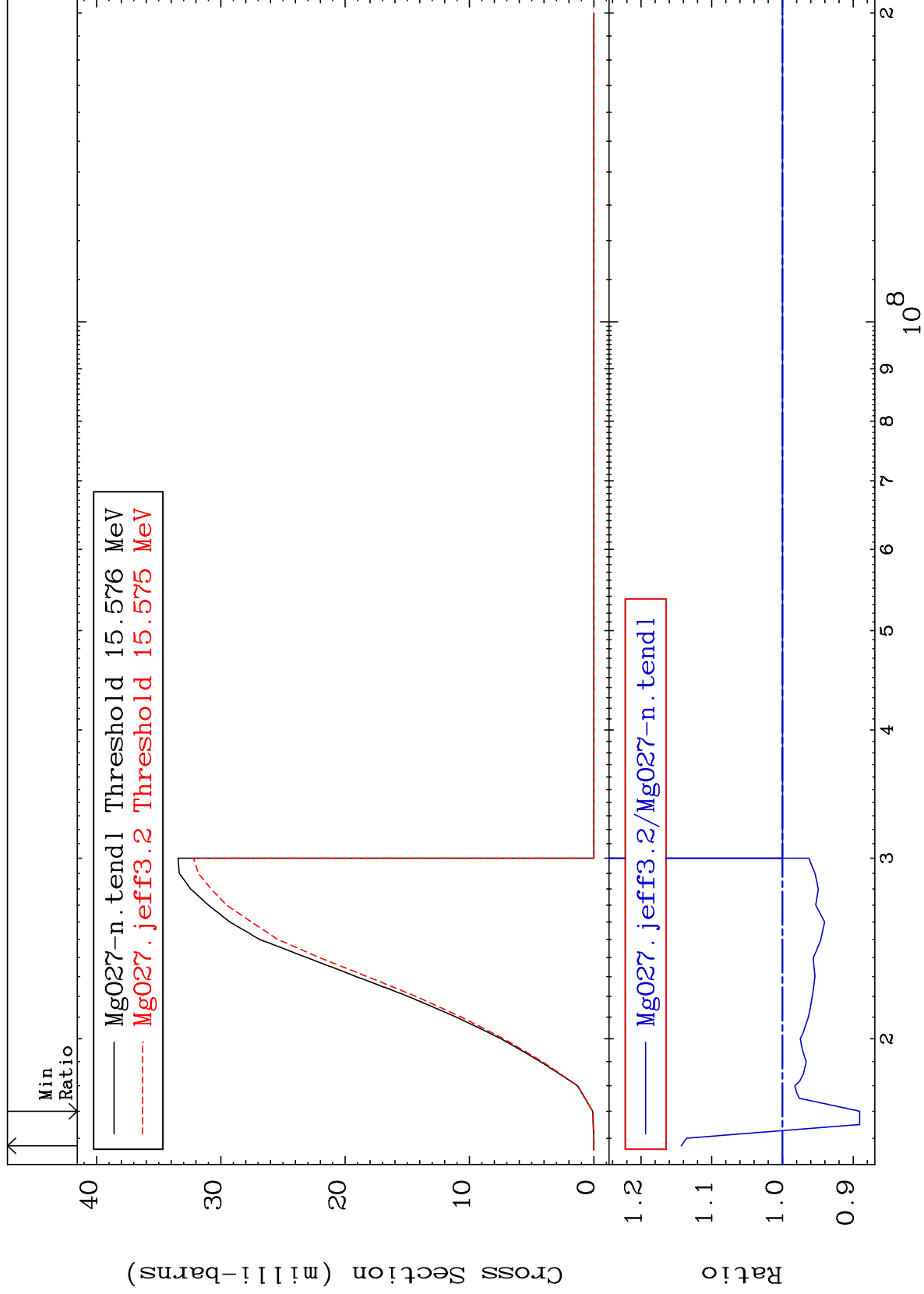




MAT 1234

(n,n') p  
Cross Section

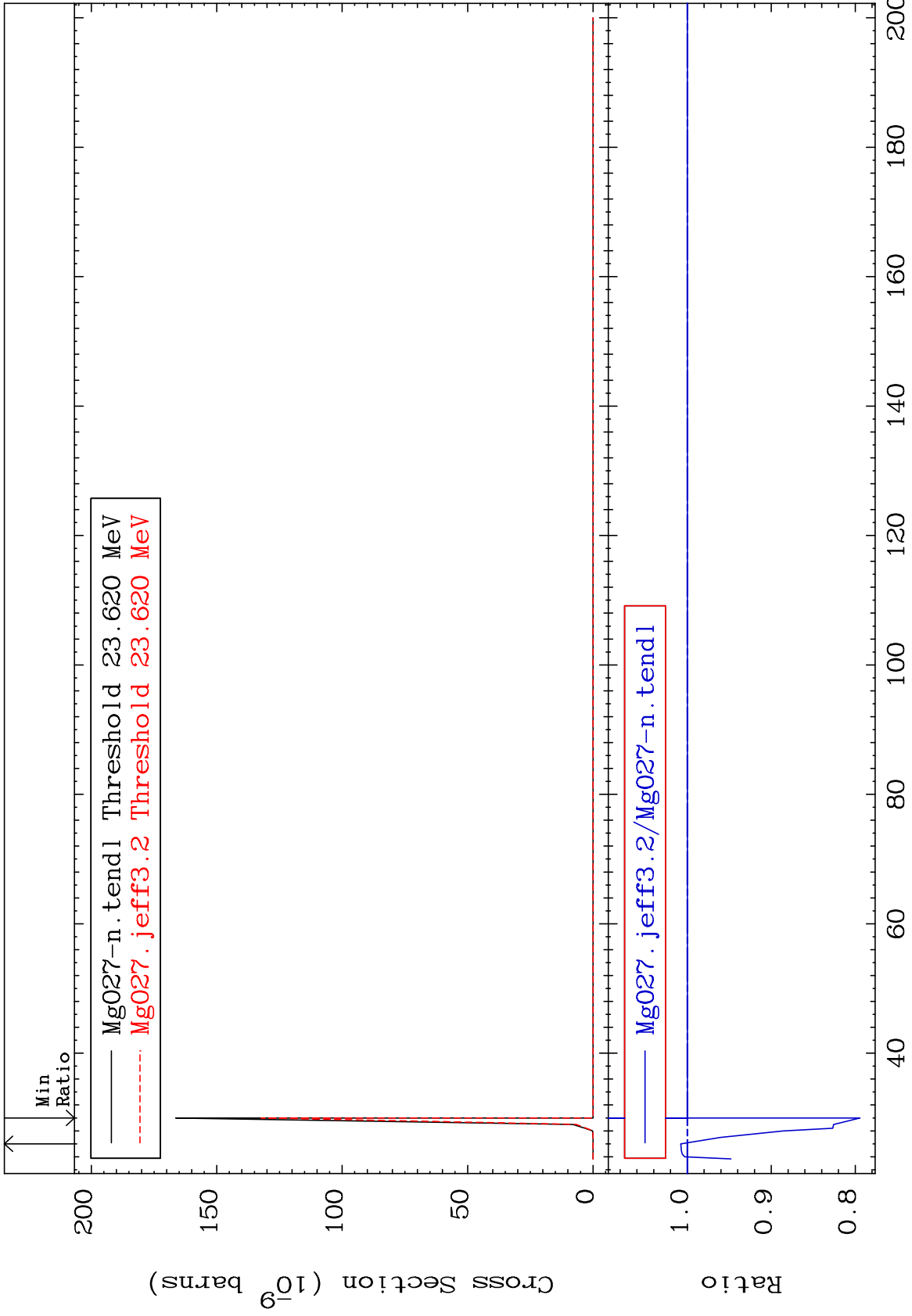
12-Mg-27  
-10.91 To 14.31 %



MAT 1234

(n, n') 2 $\alpha$   
Cross Section

12-Mg-27  
-20.55 To 0.783 %



10

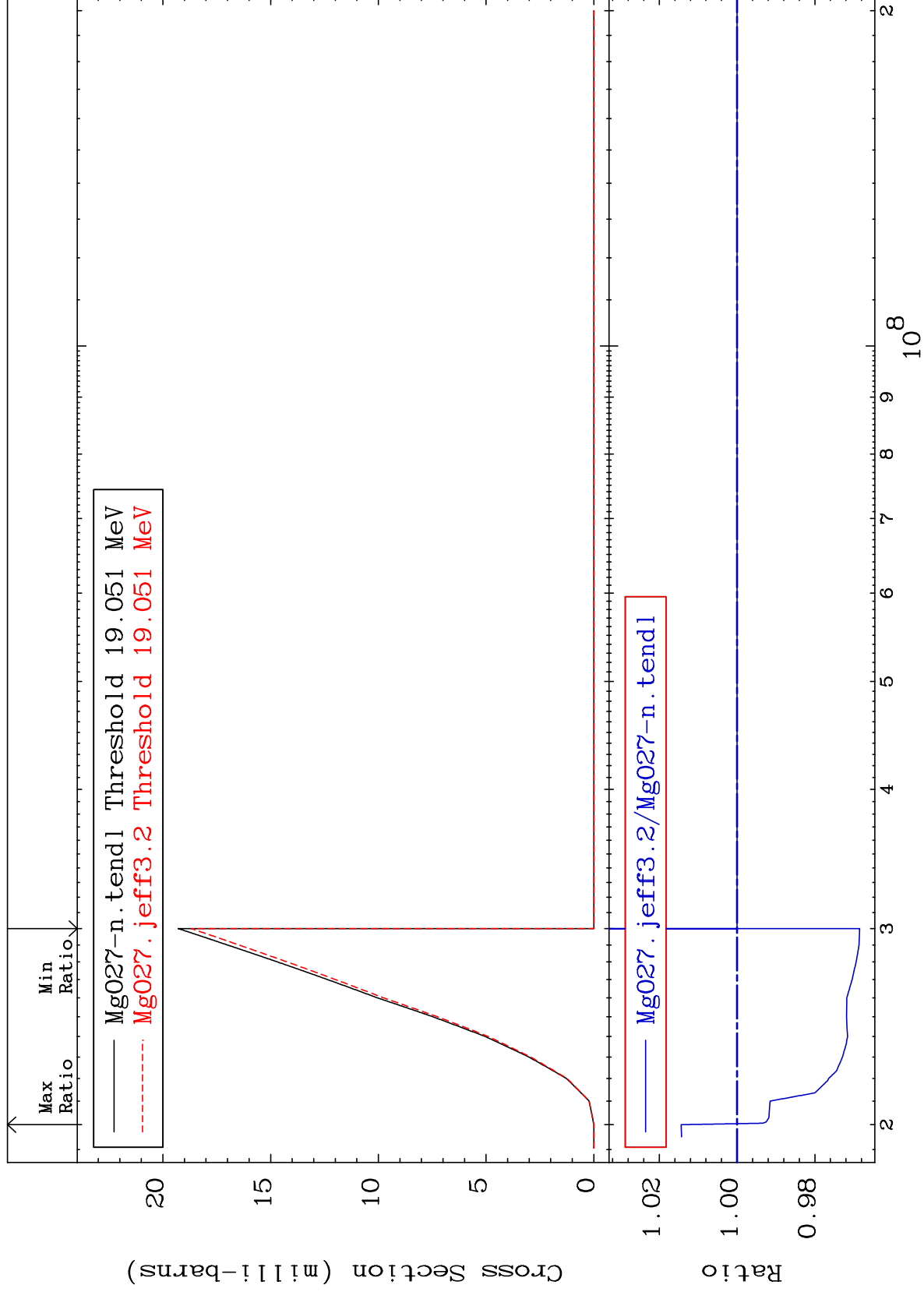
Incident Energy (MeV)

12-Mg-27

MAT 1234

(n,n') d  
Cross Section

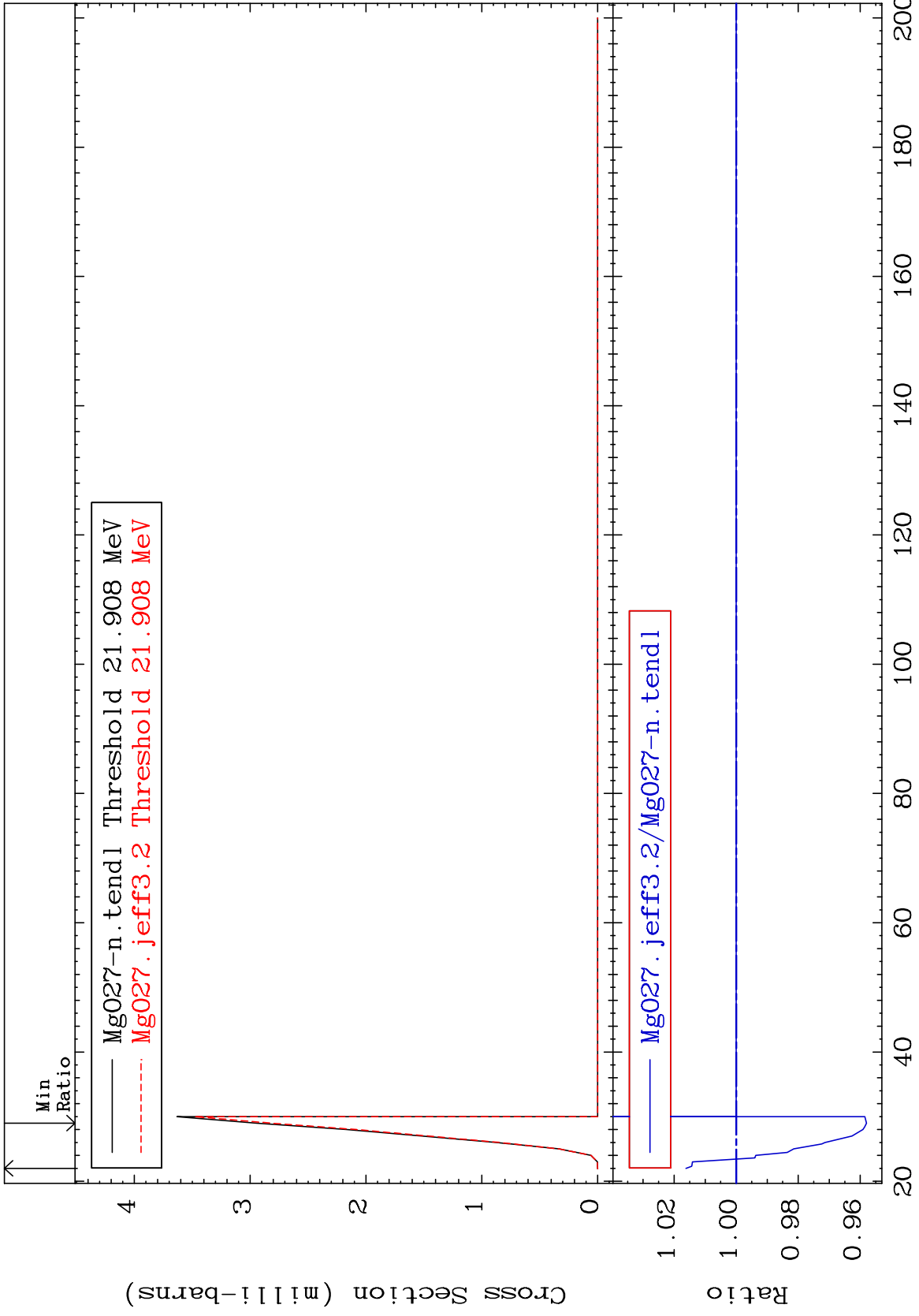
12-Mg-27  
-3.151 To 1.437 %



MAT 1234

(n,n') t  
Cross Section

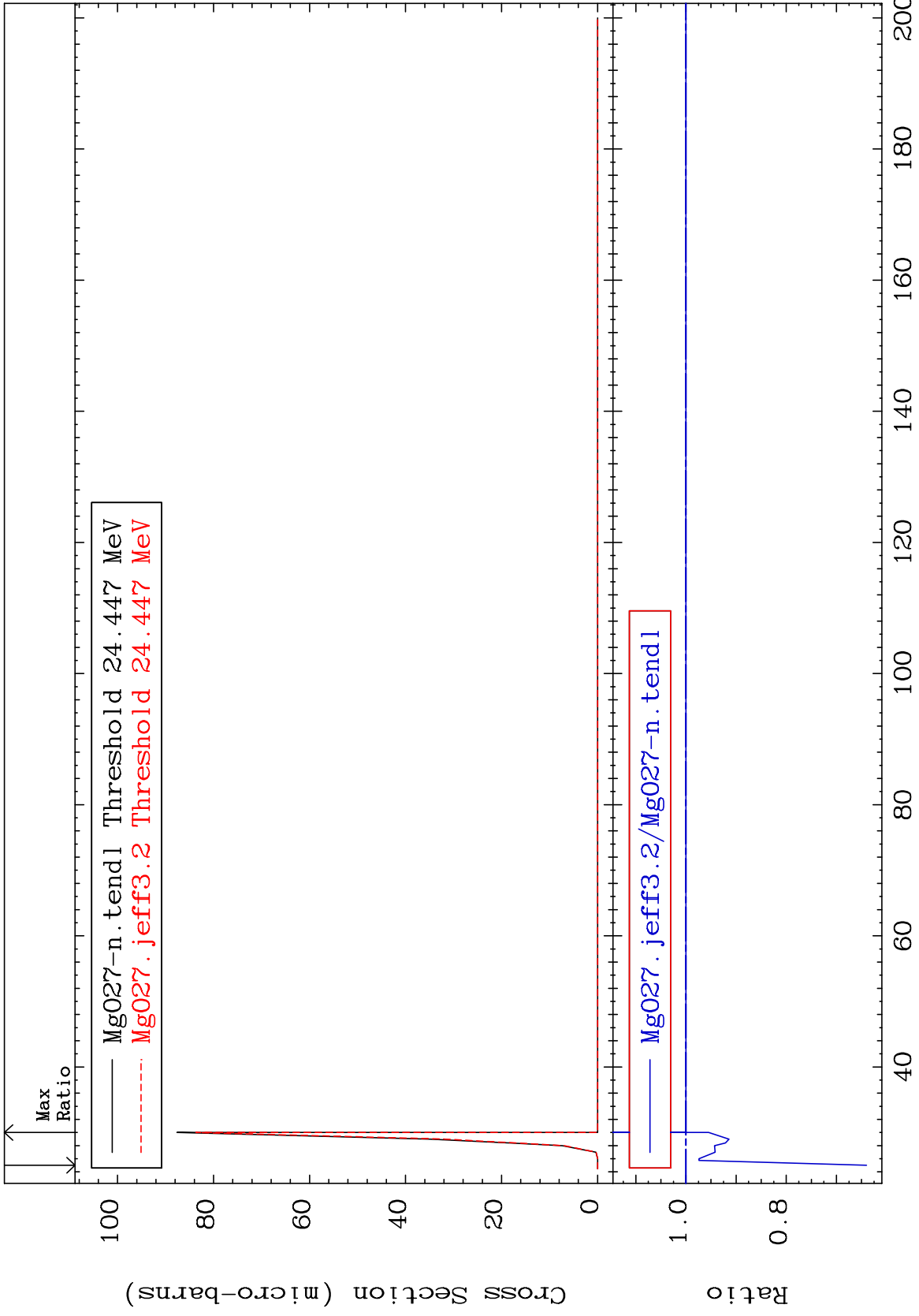
12-Mg-27  
-4.201 To 1.619 %



MAT 1234

(n, n') He-3  
Cross Section

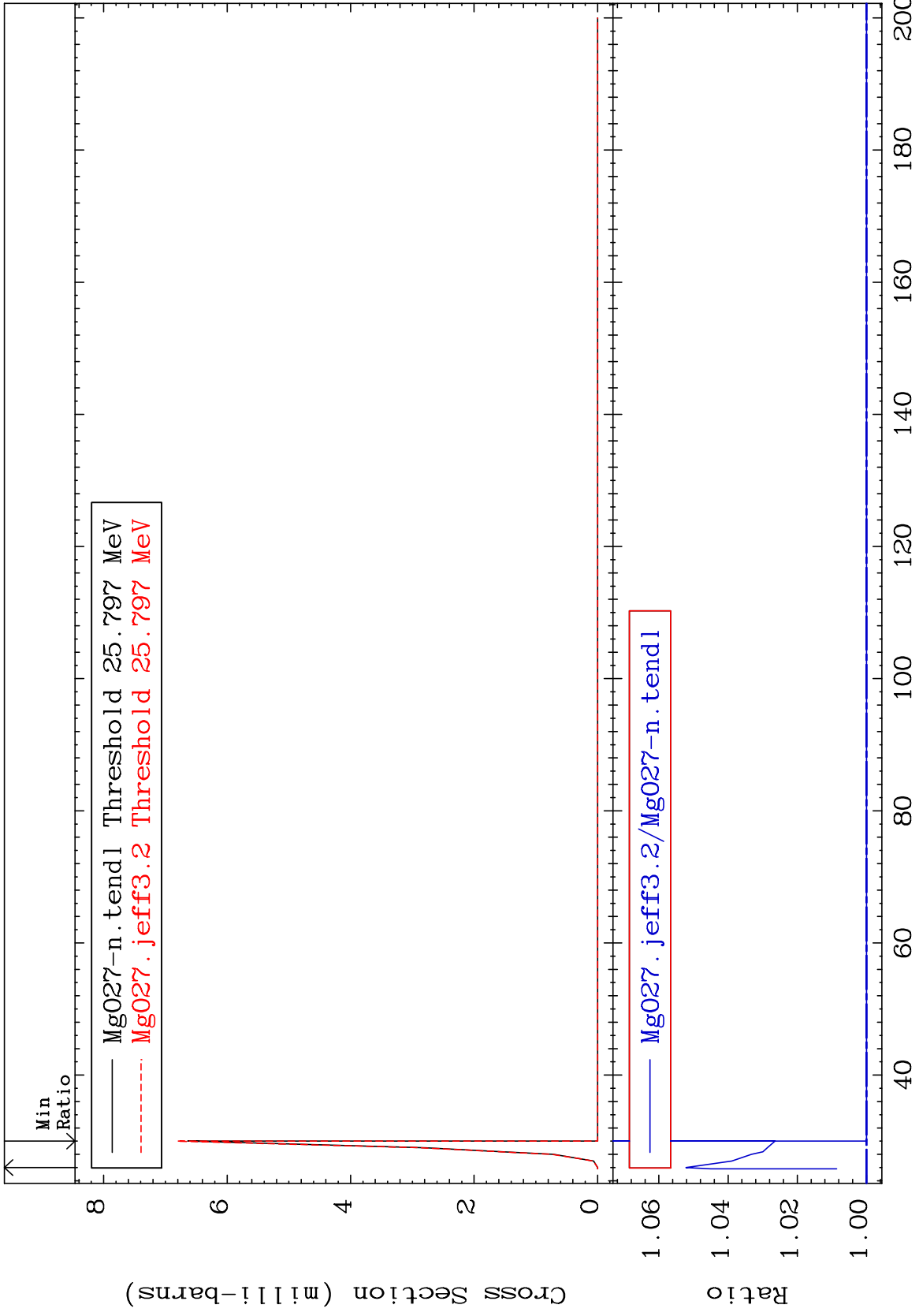
12-Mg-27  
-36.00 To 0.000 %



MAT 1234

(n,4n)  
Cross Section

12-Mg-27  
To 5.217 %  
0.000

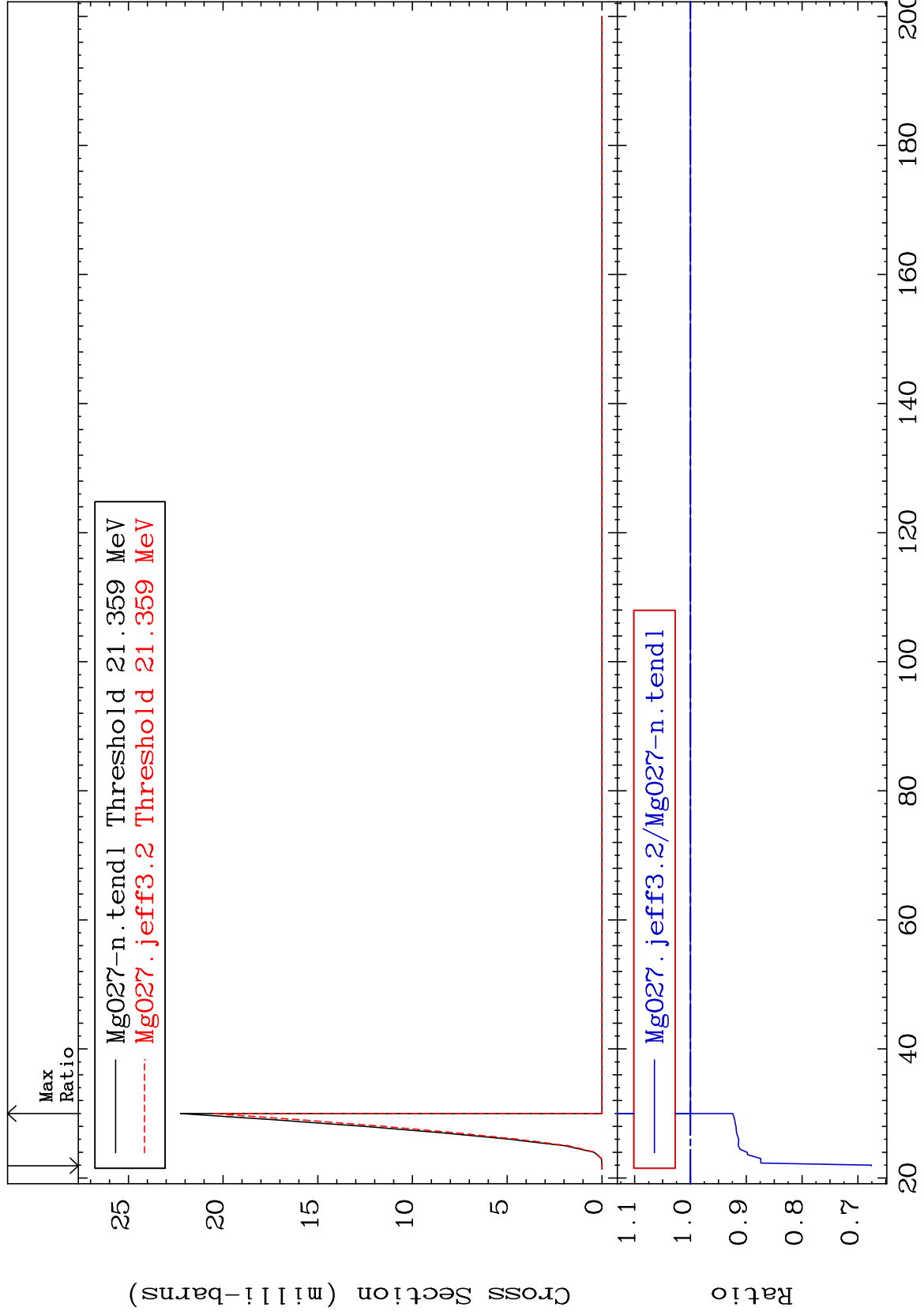


MAT 1234

(n,2n) p  
Cross Section

12-Mg-27

-32.42 To 0.000 %



15

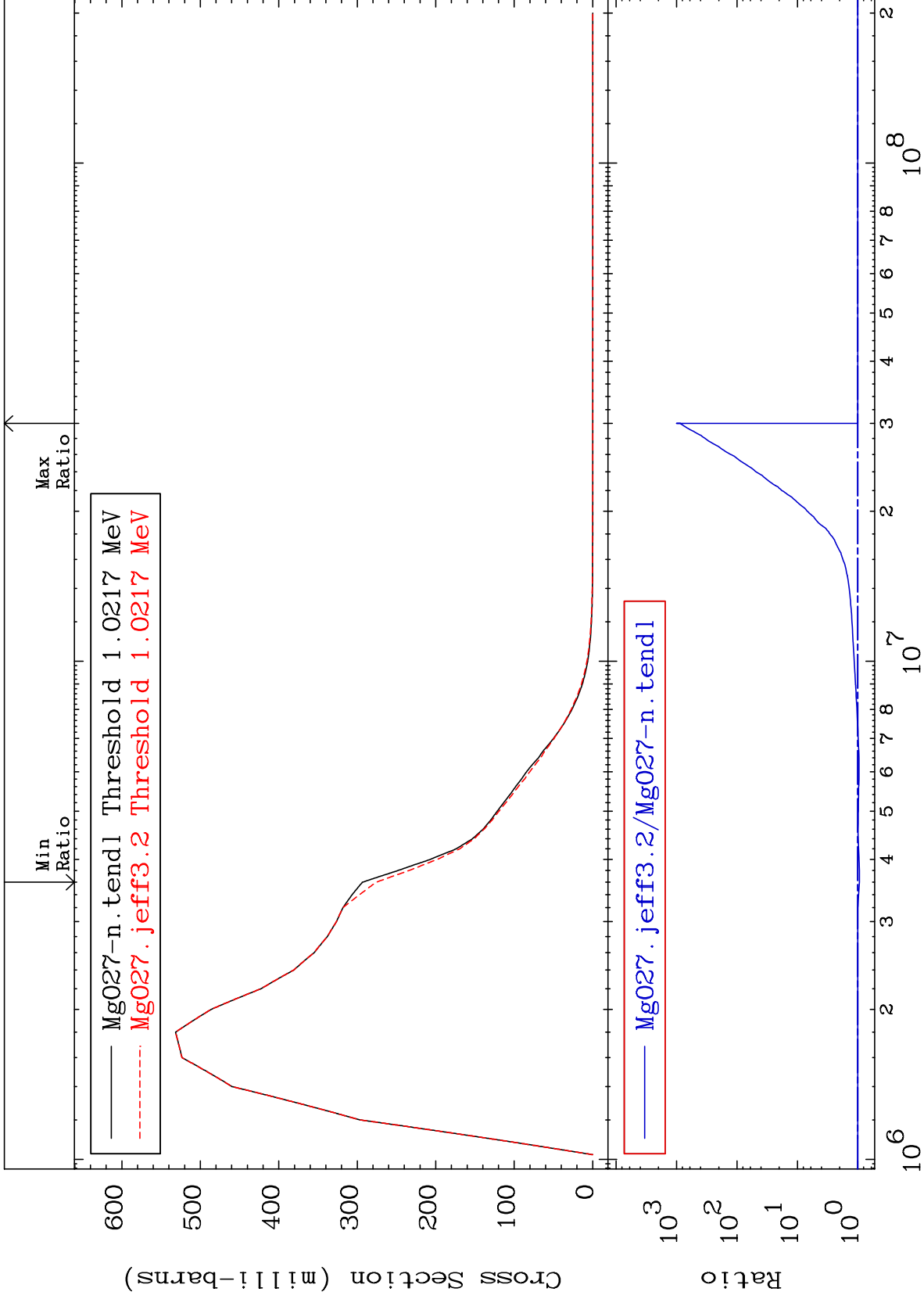
Incident Energy (MeV)

12-Mg-27

MAT 1234

984.9 keV (n,n') Level  
Cross Section

12-Mg-27  
-5.953 To 9999. %



16

Incident Energy (eV)

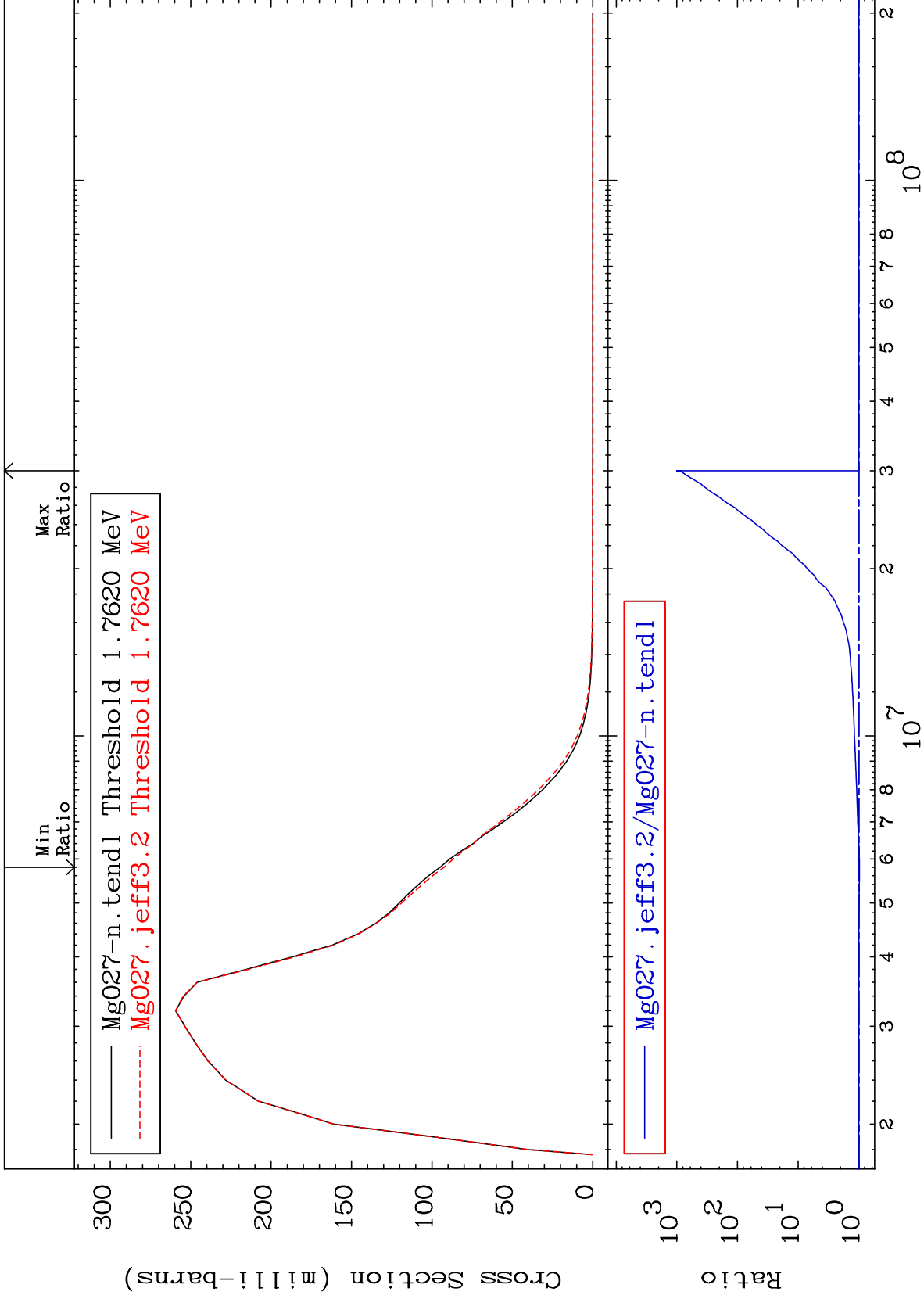
12-Mg-27



MAT 1234

1.699 MeV (n,n') Level  
Cross Section

12-Mg-27  
-2.600 To 9999. %



17

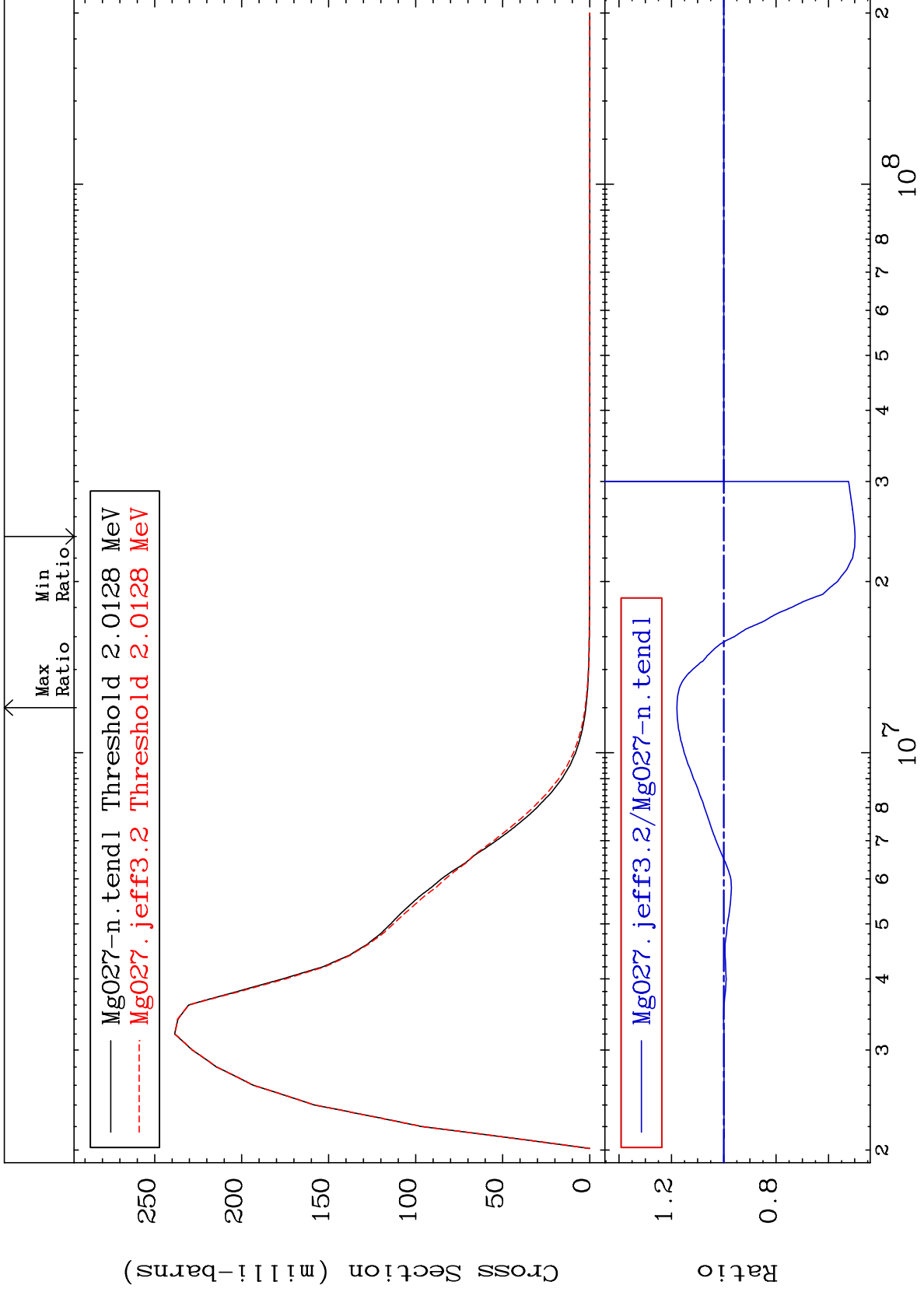
Incident Energy (eV)

12-Mg-27

MAT 1234

1.940 MeV (n,n') Level  
Cross Section

12-Mg-27  
-50.17 To 17.90 %



18

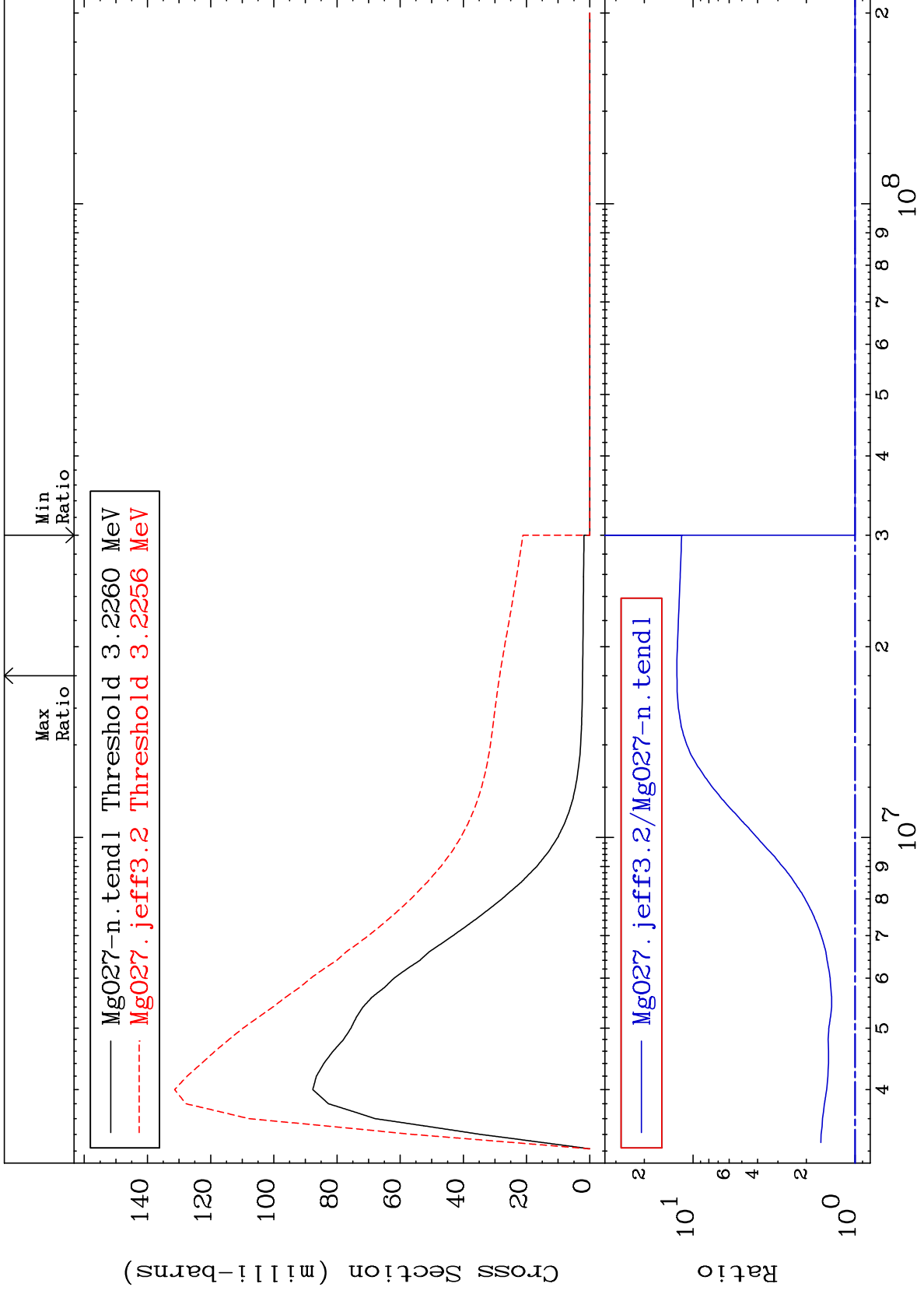
Incident Energy (eV)

12-Mg-27

MAT 1234

3.110 MeV (n,n') Level  
Cross Section

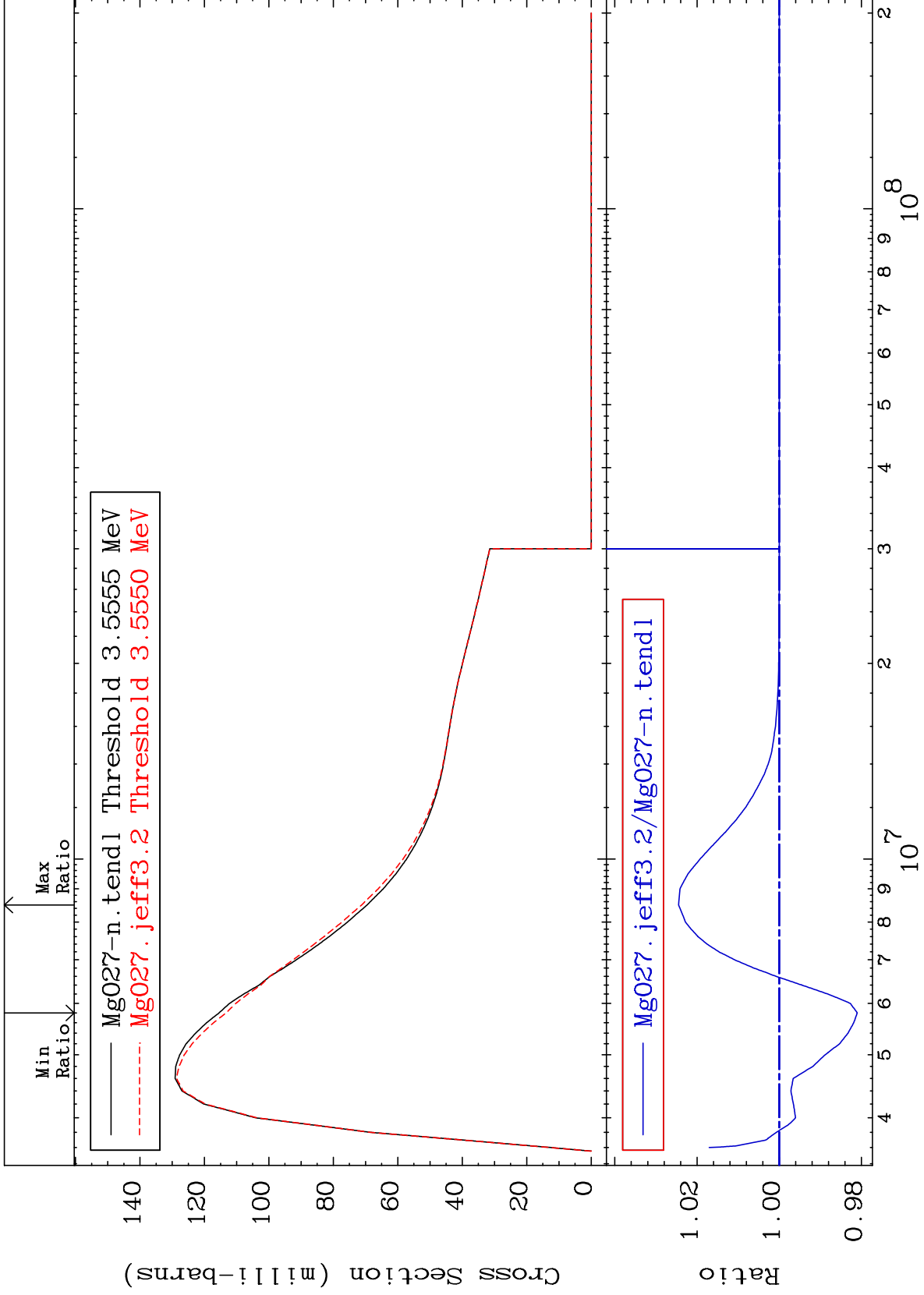
12-Mg-27  
0.000 To 1160. %



MAT 1234

3.427 MeV (n,n') Level  
Cross Section

12-Mg-27  
-1.899 To 2.448 %



20

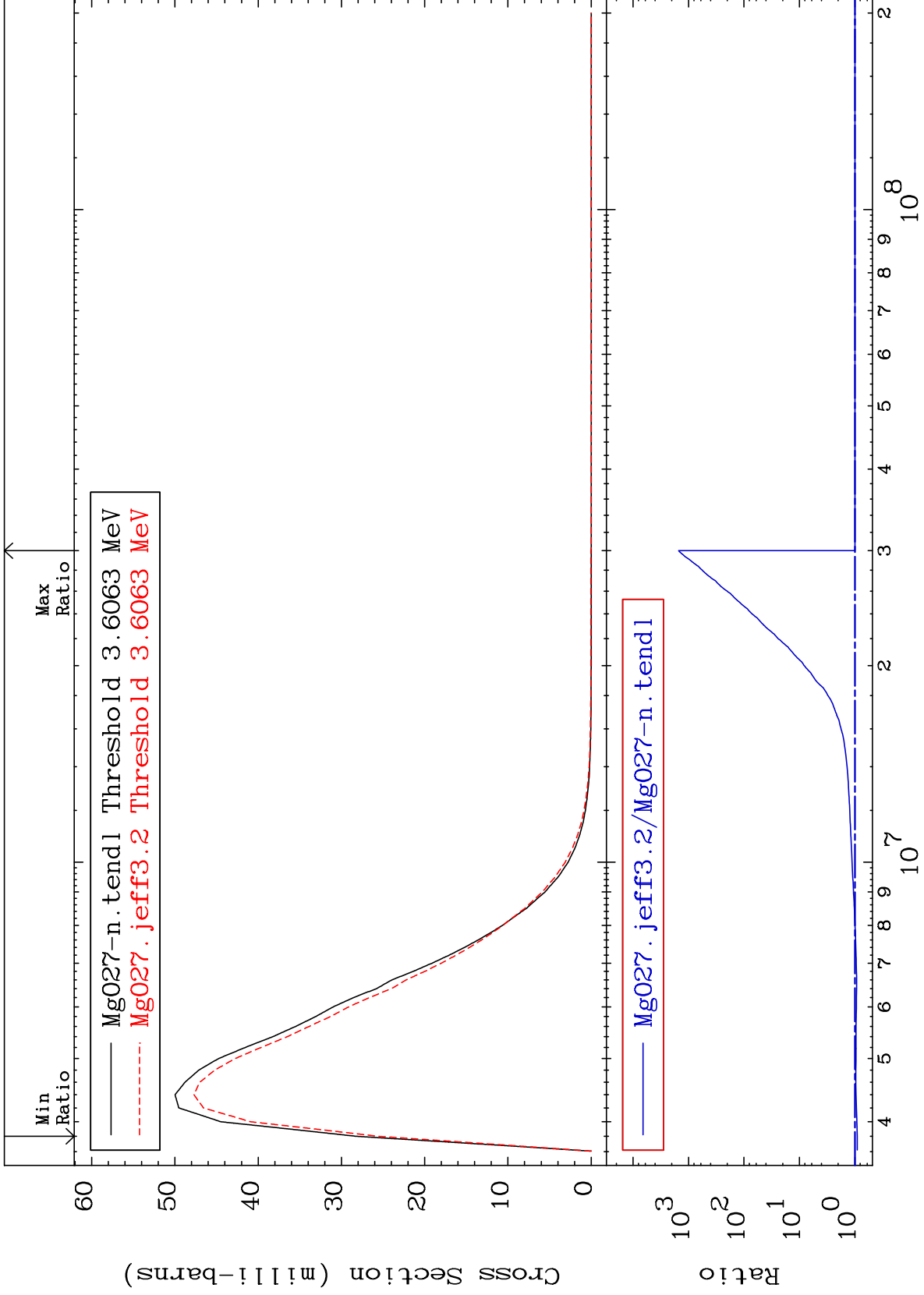
Incident Energy (eV)

12-Mg-27

MAT 1234

3.476 MeV (n,n') Level  
Cross Section

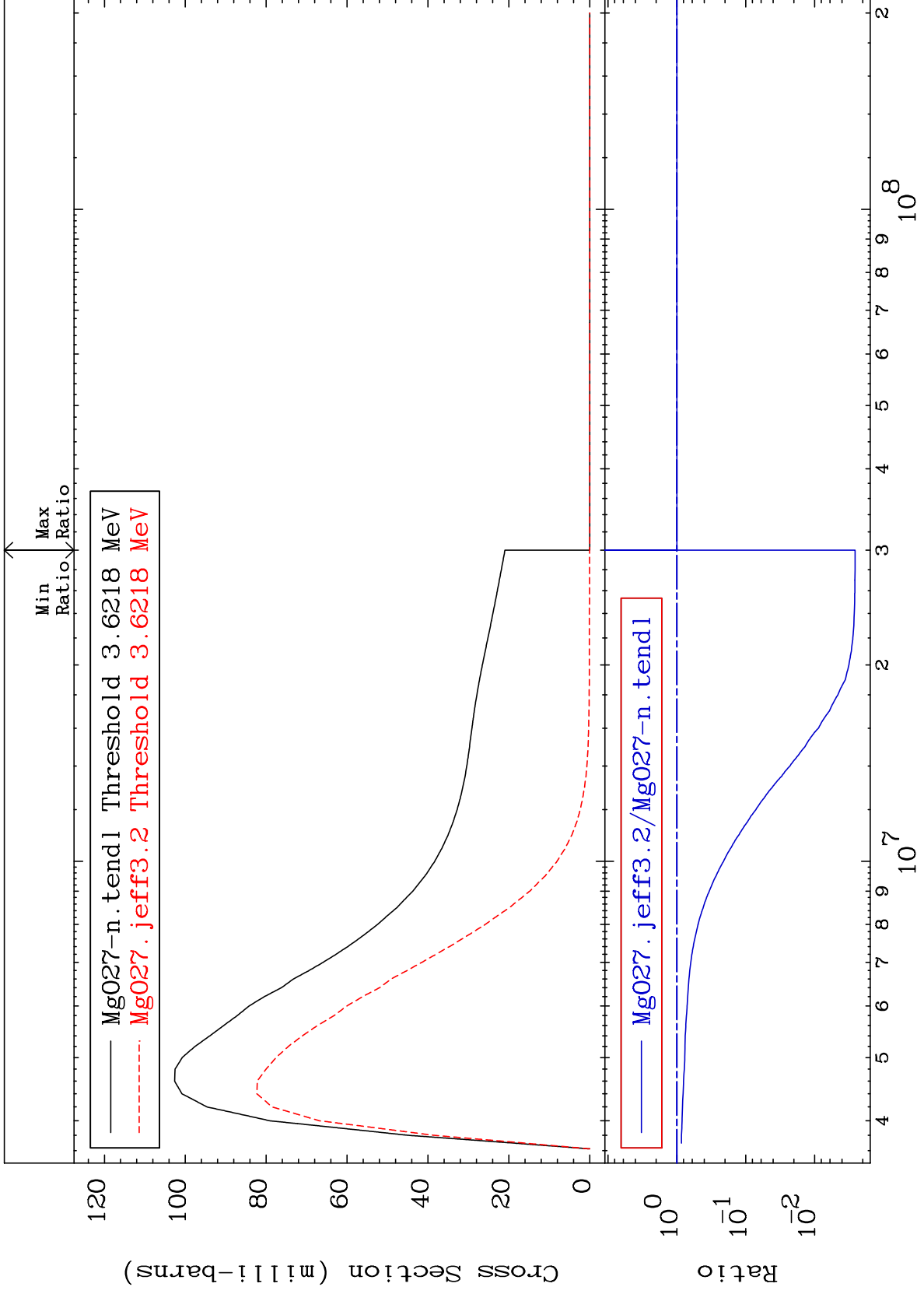
12-Mg-27  
-9.454 To 9999. %



MAT 1234

3.491 MeV (n,n') Level  
Cross Section

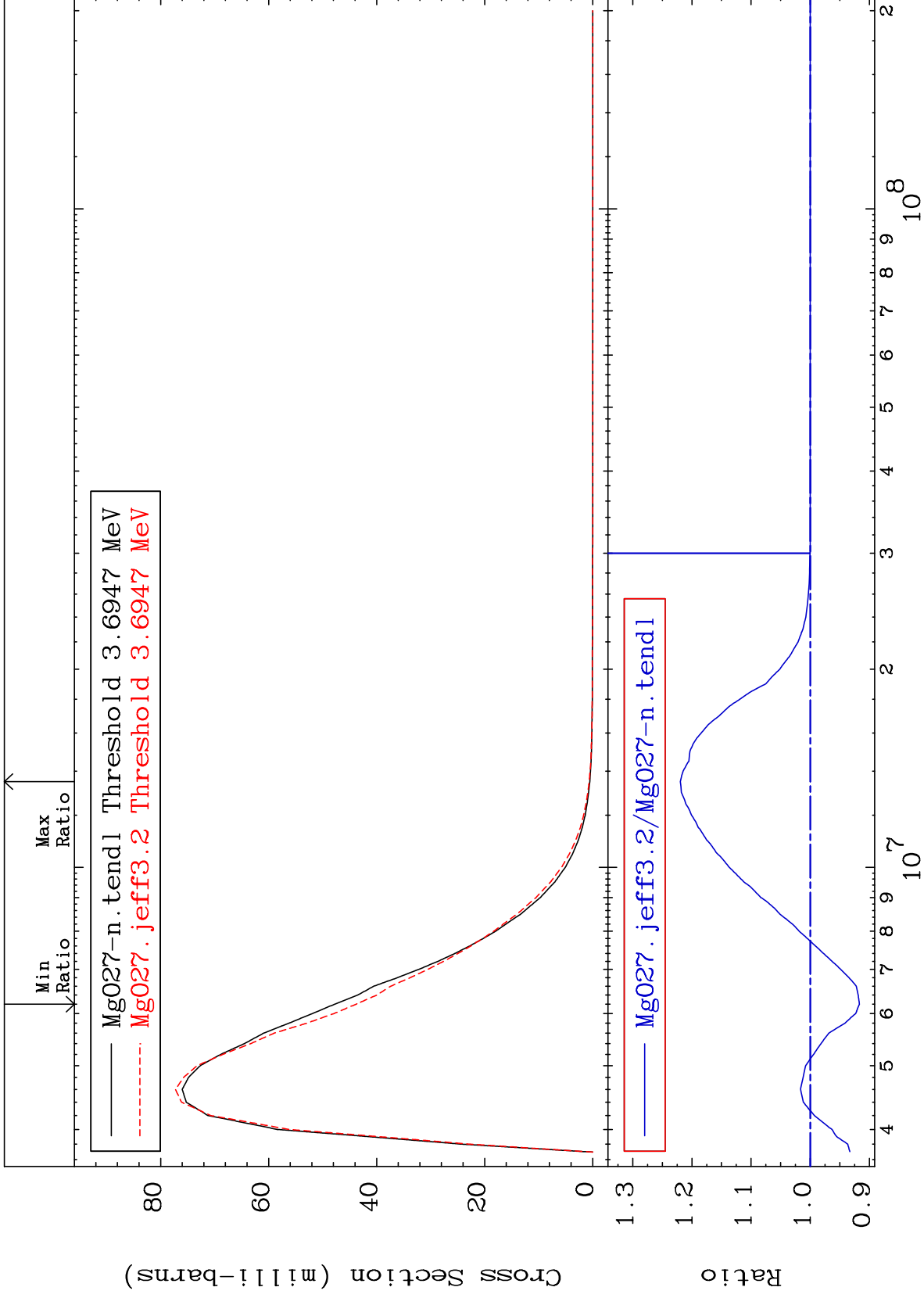
12-Mg-27  
-99.74 To 0.000 %



MAT 1234

3.562 MeV (n,n') Level  
Cross Section

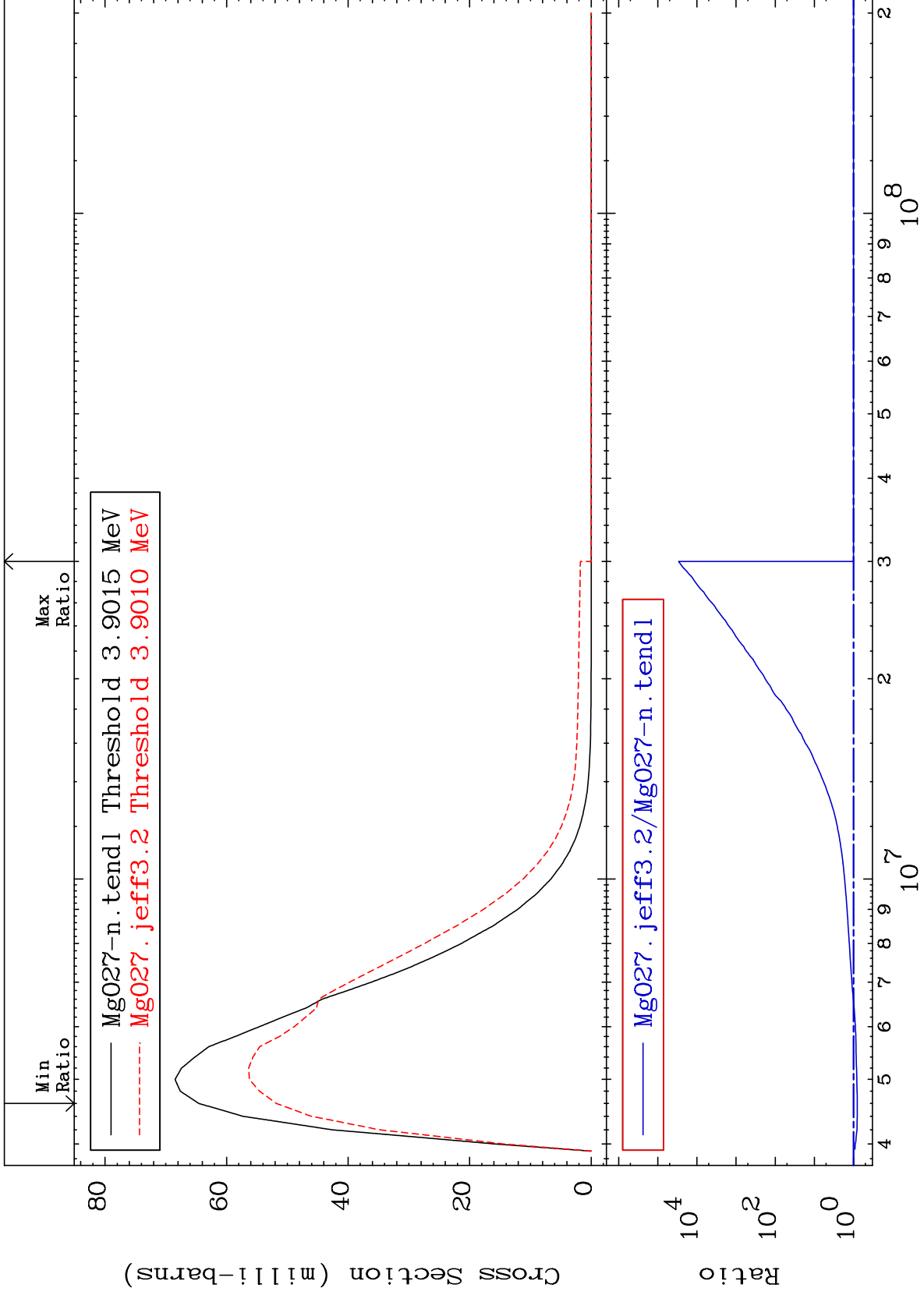
12-Mg-27  
-8.308 To 21.95 %



MAT 1234

3.761 MeV (n,n') Level  
Cross Section

12-Mg-27  
-19.78 To 9999. %

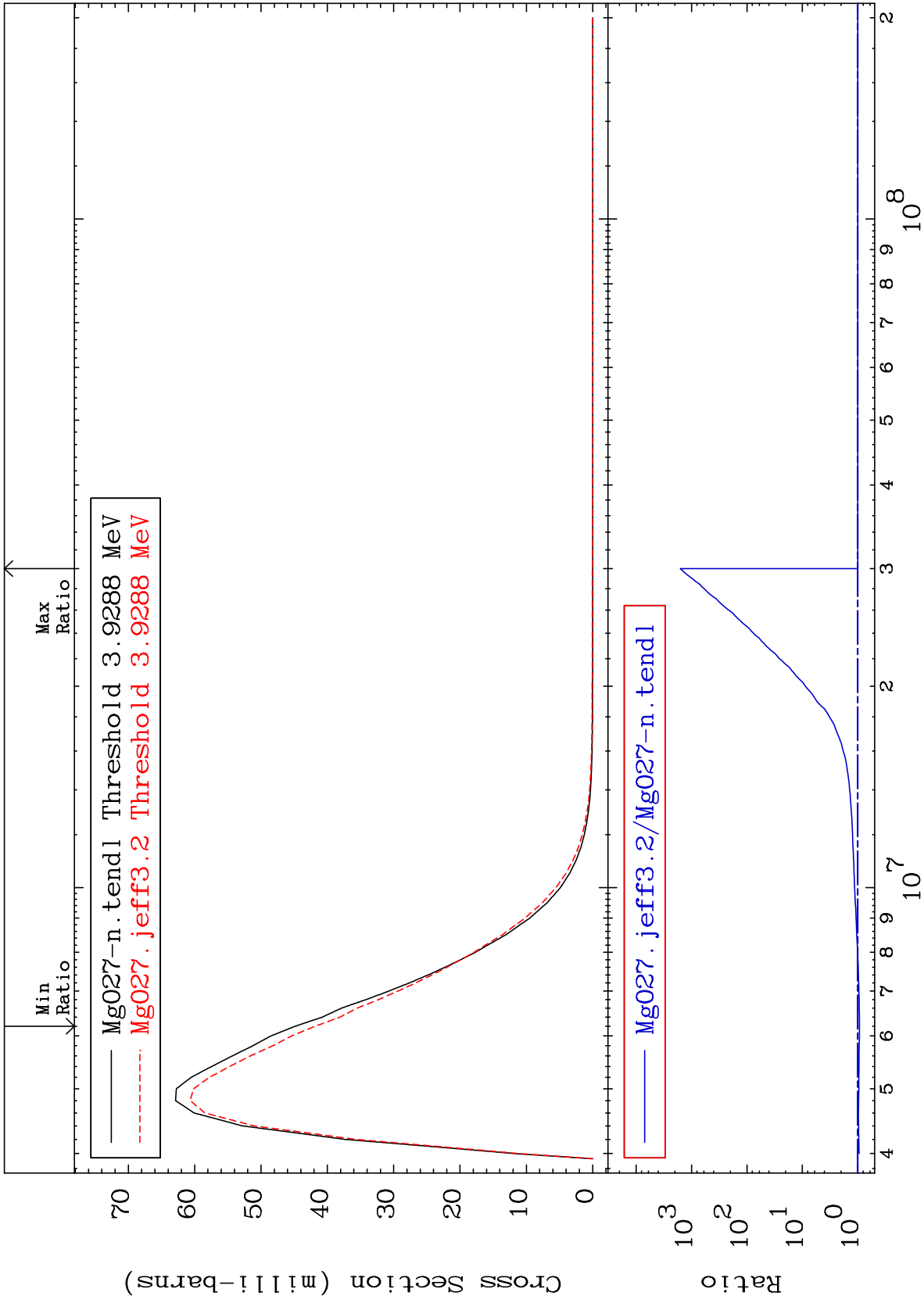




MAT 1234

3.787 MeV (n,n') Level  
Cross Section

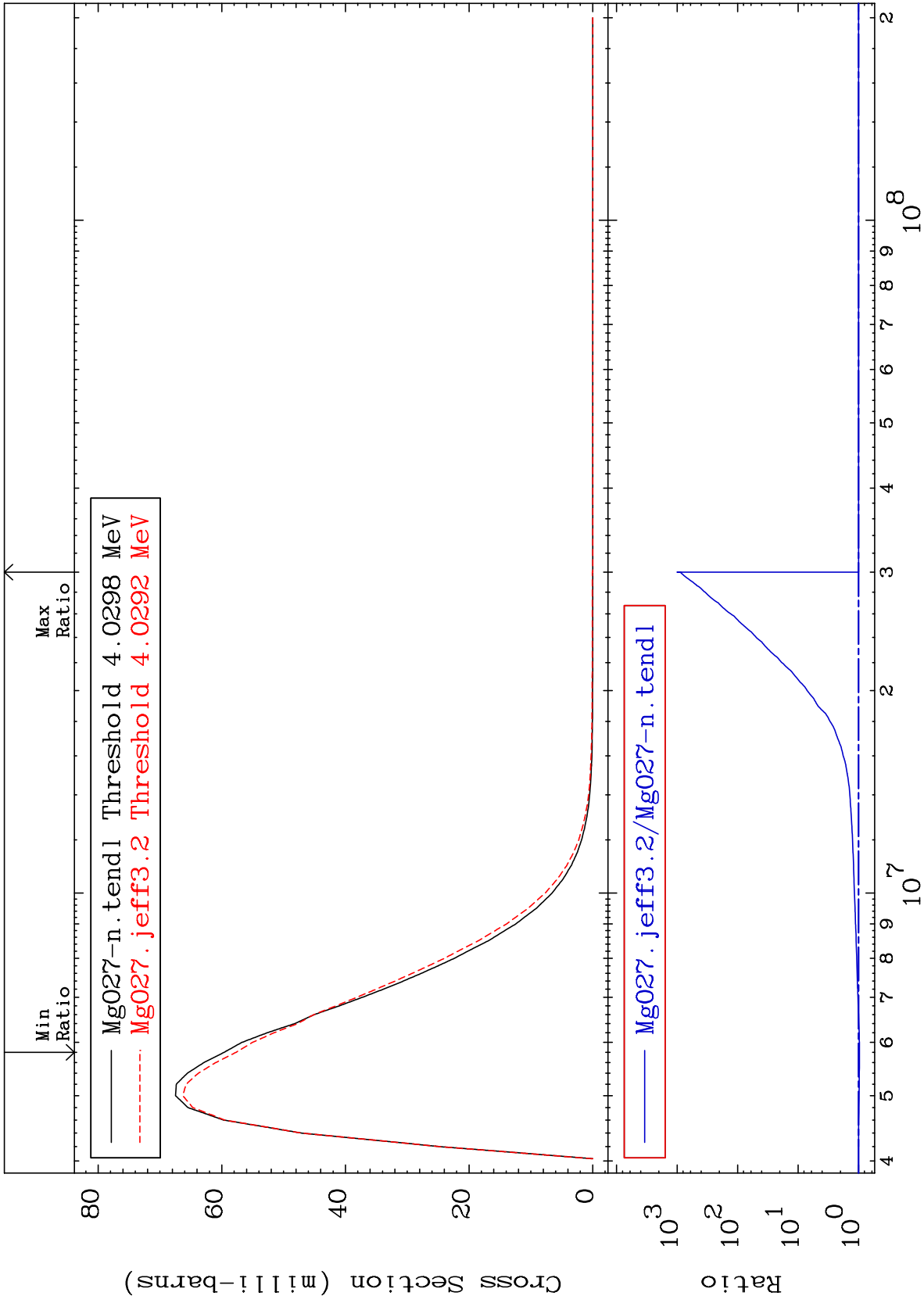
12-Mg-27  
-6.685 To 9999. %



MAT 1234

3.885 MeV (n,n') Level  
Cross Section

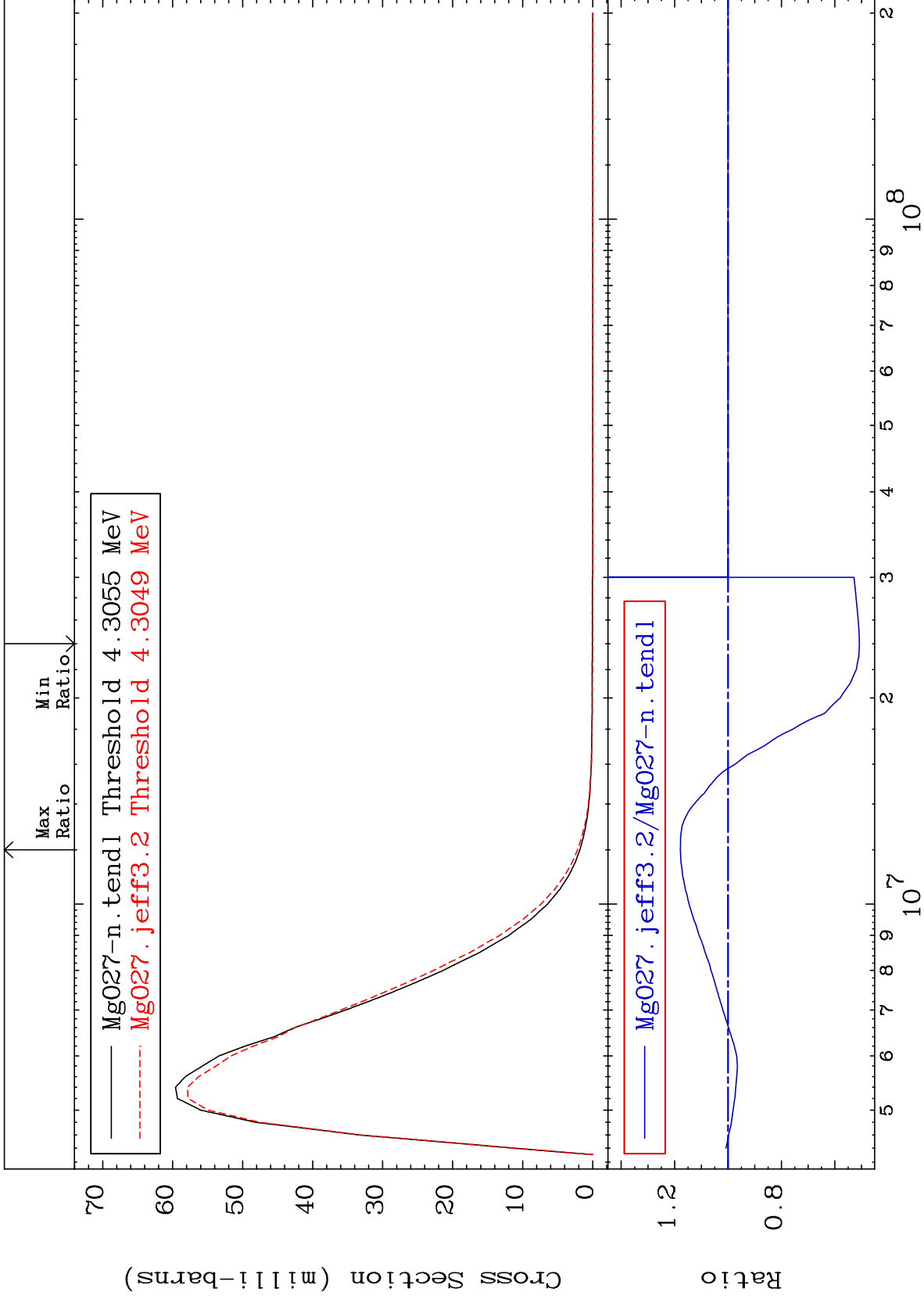
12-Mg-27  
-3.265 To 9999. %



MAT 1234

4.150 MeV (n,n') Level  
Cross Section

12-Mg-27  
-49.19 To 17.85 %



27

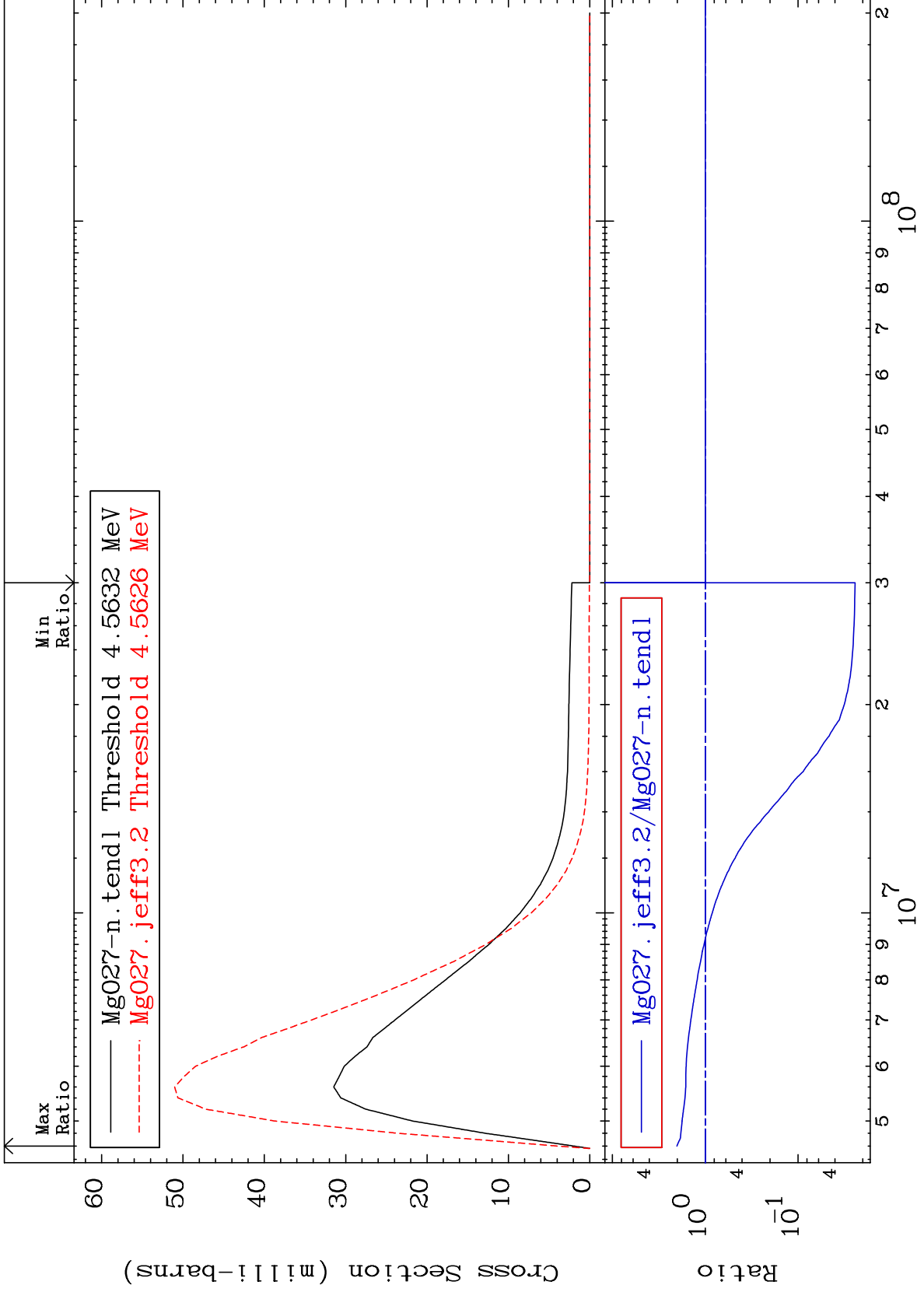
Incident Energy (eV)

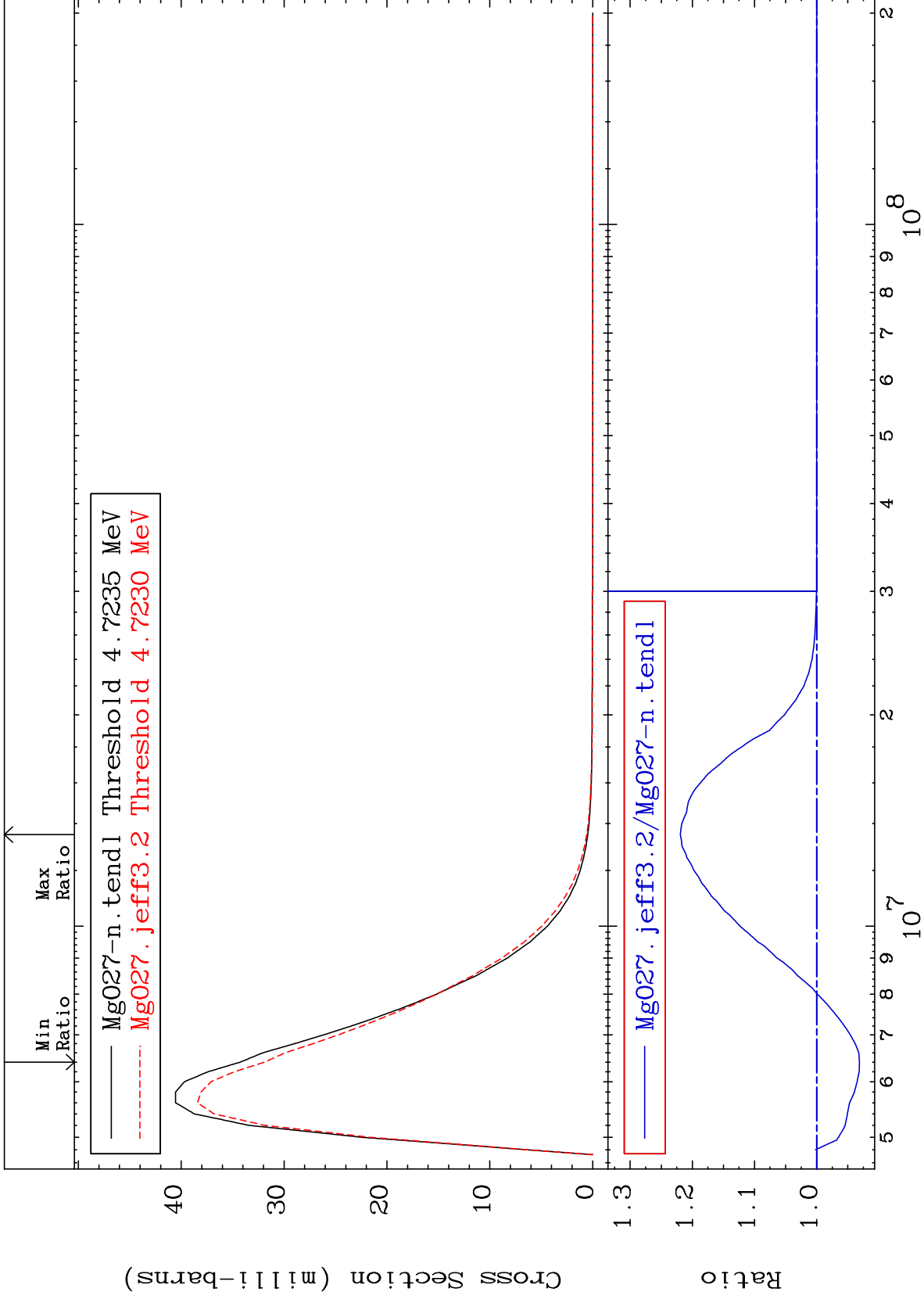
12-Mg-27

MAT 1234

4.399 MeV (n,n') Level  
Cross Section

12-Mg-27  
-97.58 To 101.8 %

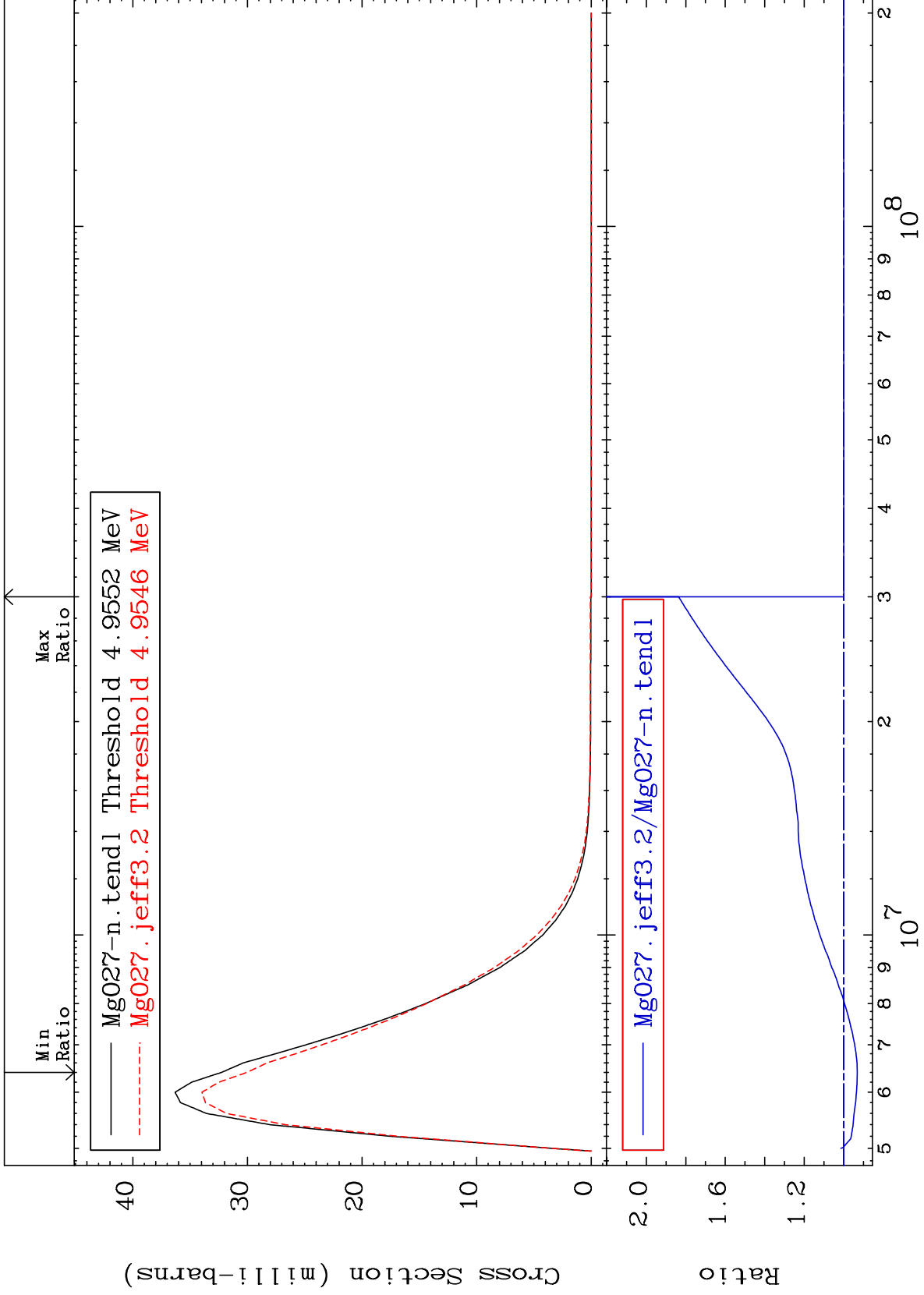




MAT 1234

4.777 MeV (n,n') Level  
Cross Section

12-Mg-27  
-6.891 To 83.61 %



30

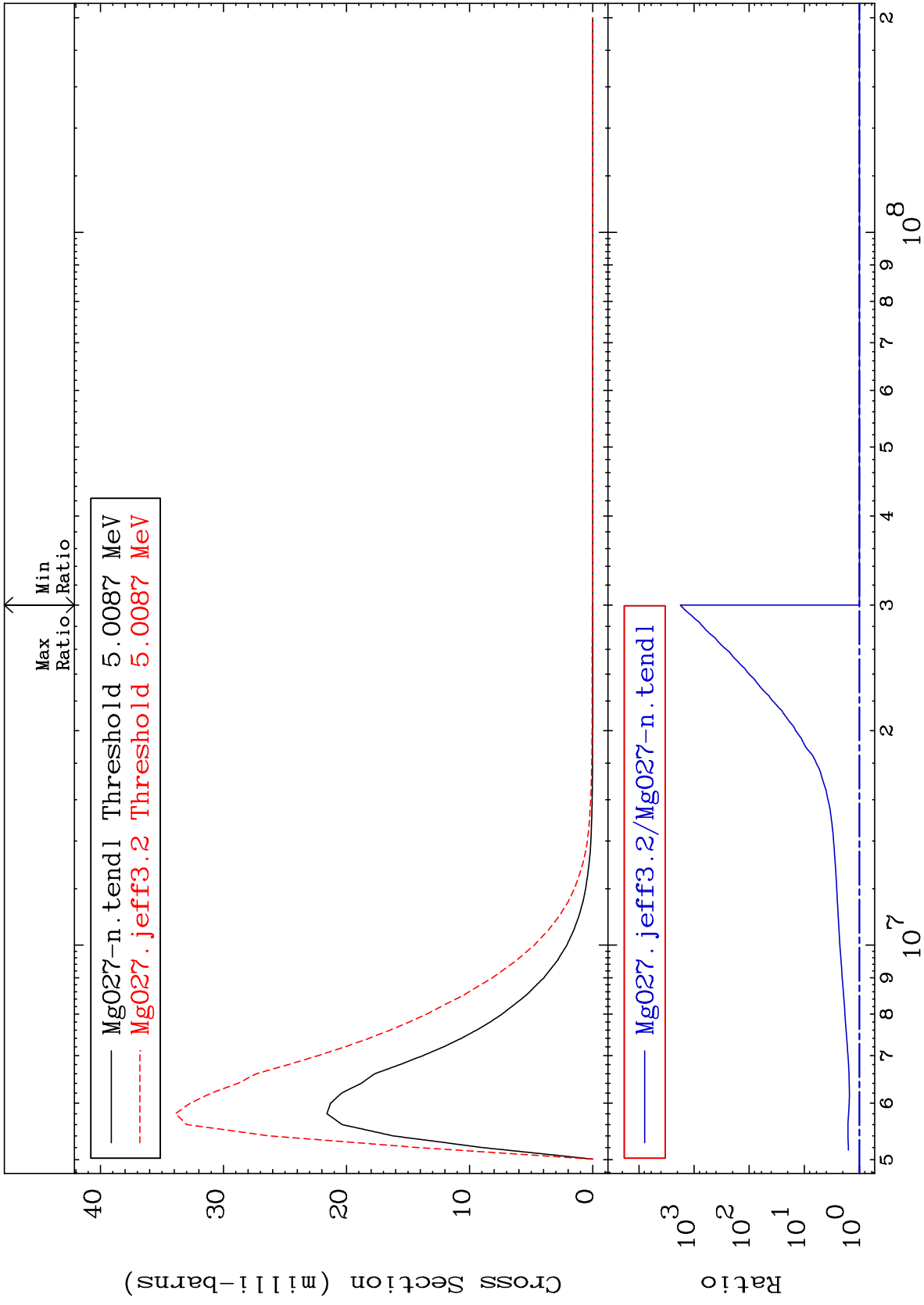
Incident Energy (eV)

12-Mg-27

MAT 1234

4.828 MeV (n,n') Level  
Cross Section

12-Mg-27  
0.000 To 9999. %



31

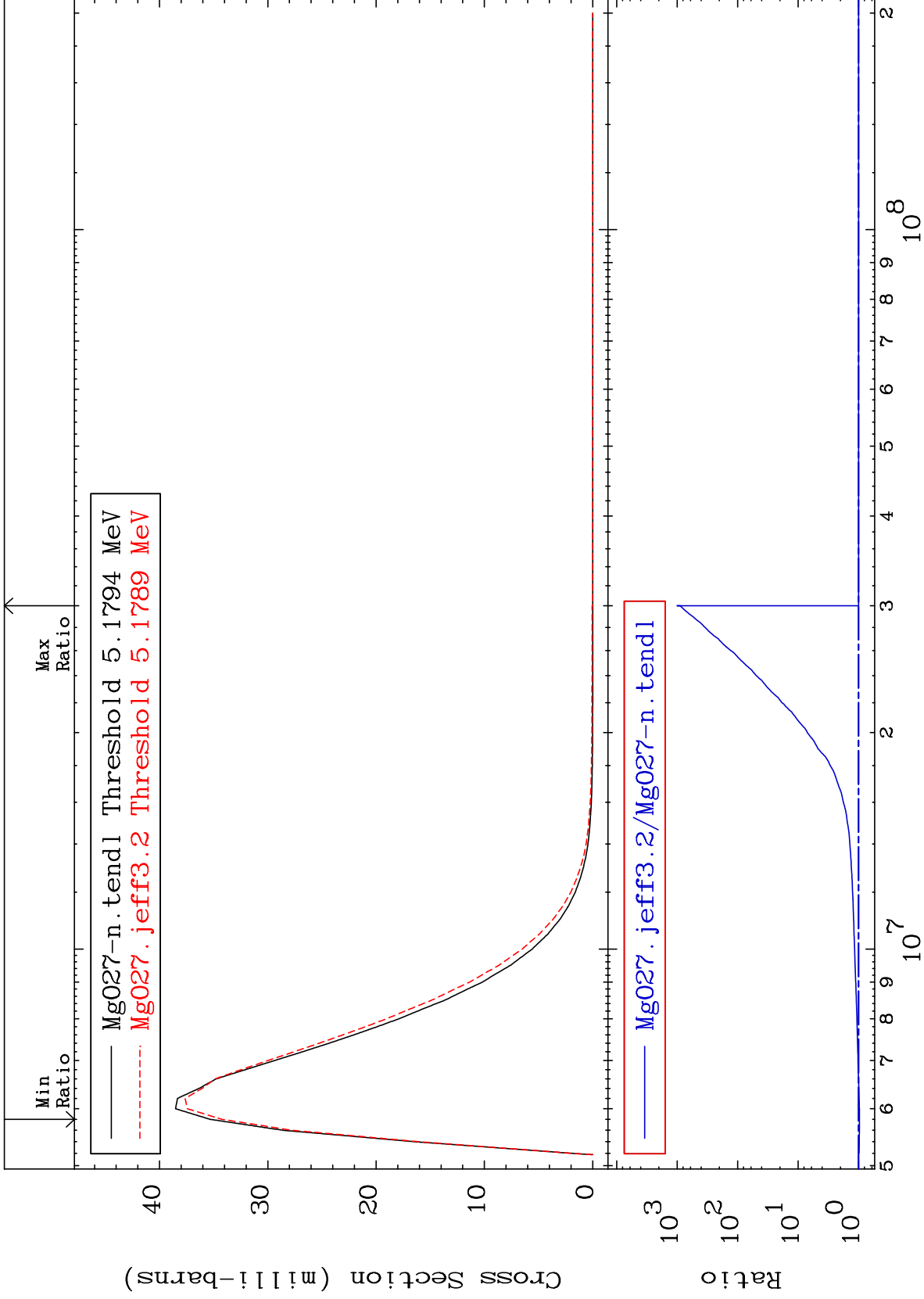
Incident Energy (eV)

12-Mg-27

MAT 1234

4.993 MeV (n,n') Level  
Cross Section

12-Mg-27  
-3.125 To 9999. %

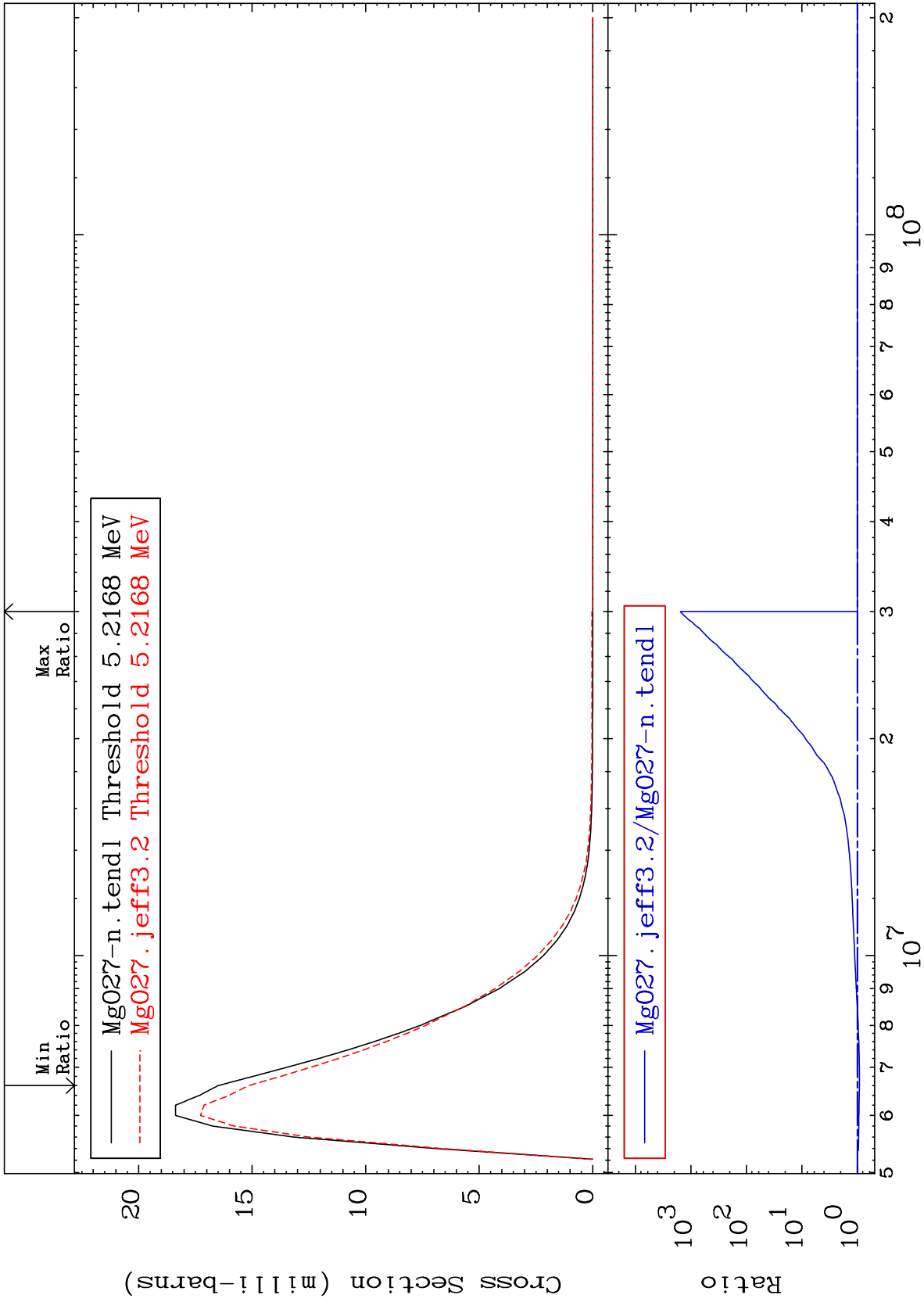




MAT 1234

5.029 MeV (n,n') Level  
Cross Section

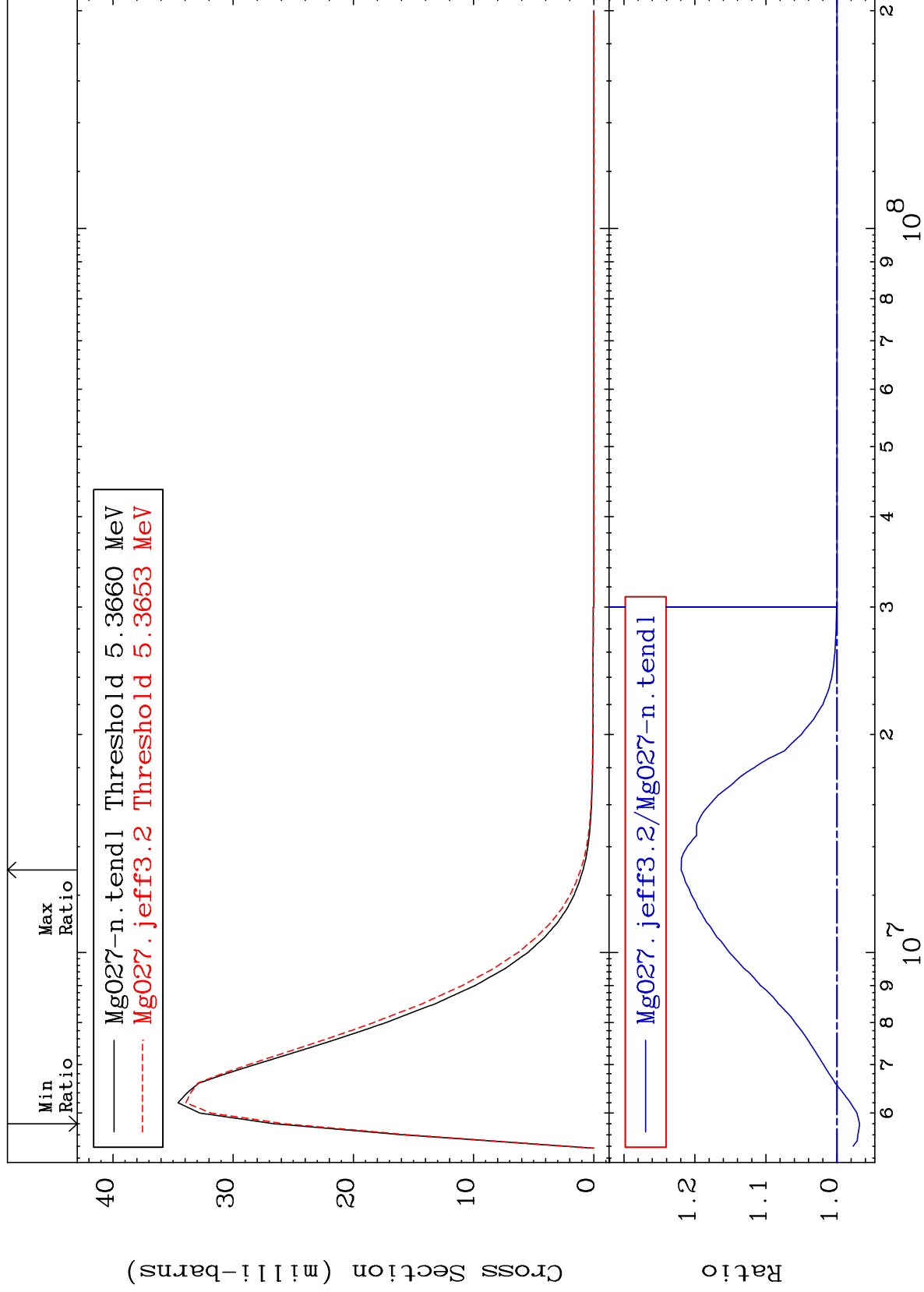
12-Mg-27  
-8.119 To 9999. %



MAT 1234

5.173 MeV (n,n') Level  
Cross Section

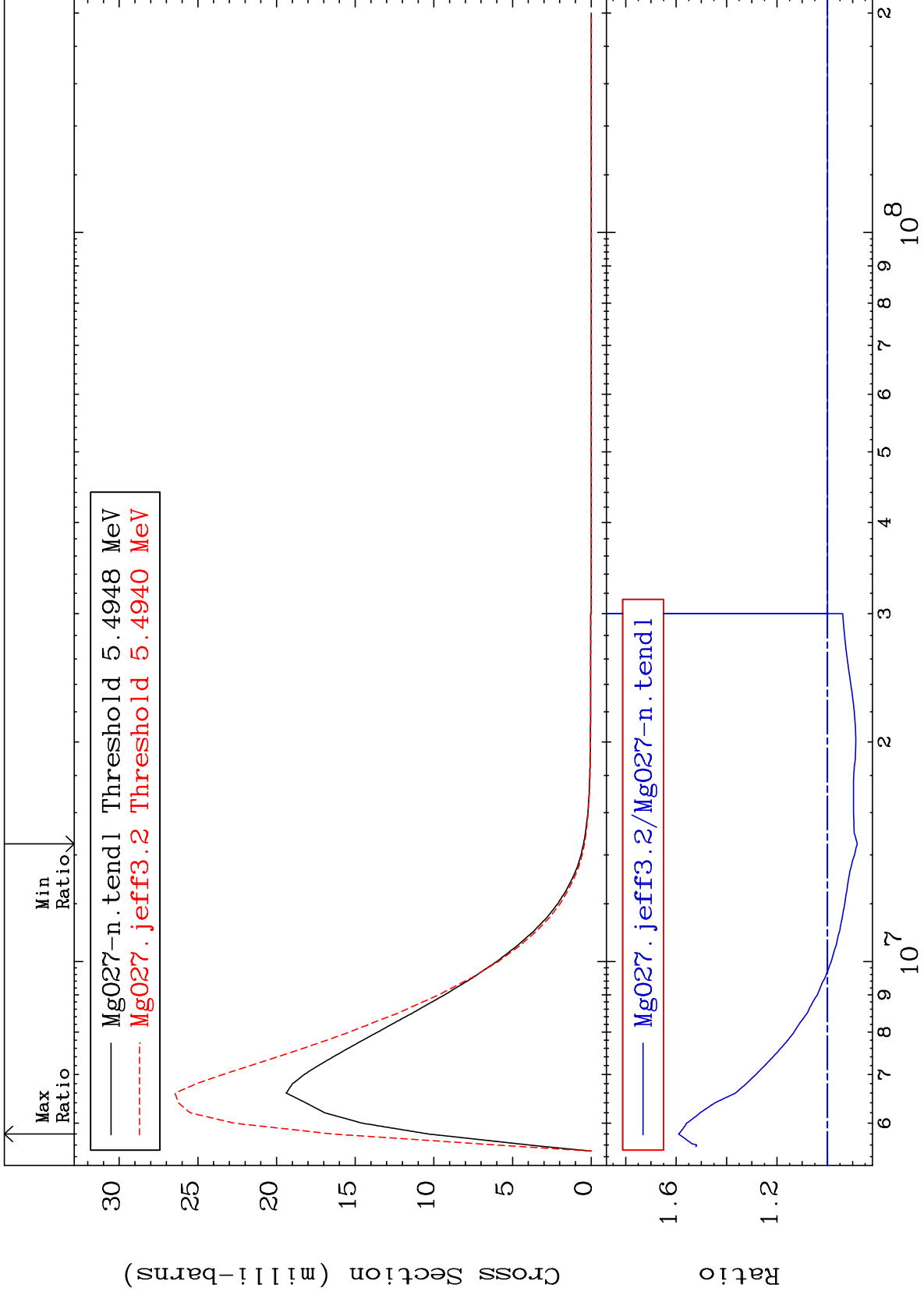
12-Mg-27  
-3.194 To 21.94 %



MAT 1234

5.297 MeV (n,n') Level  
Cross Section

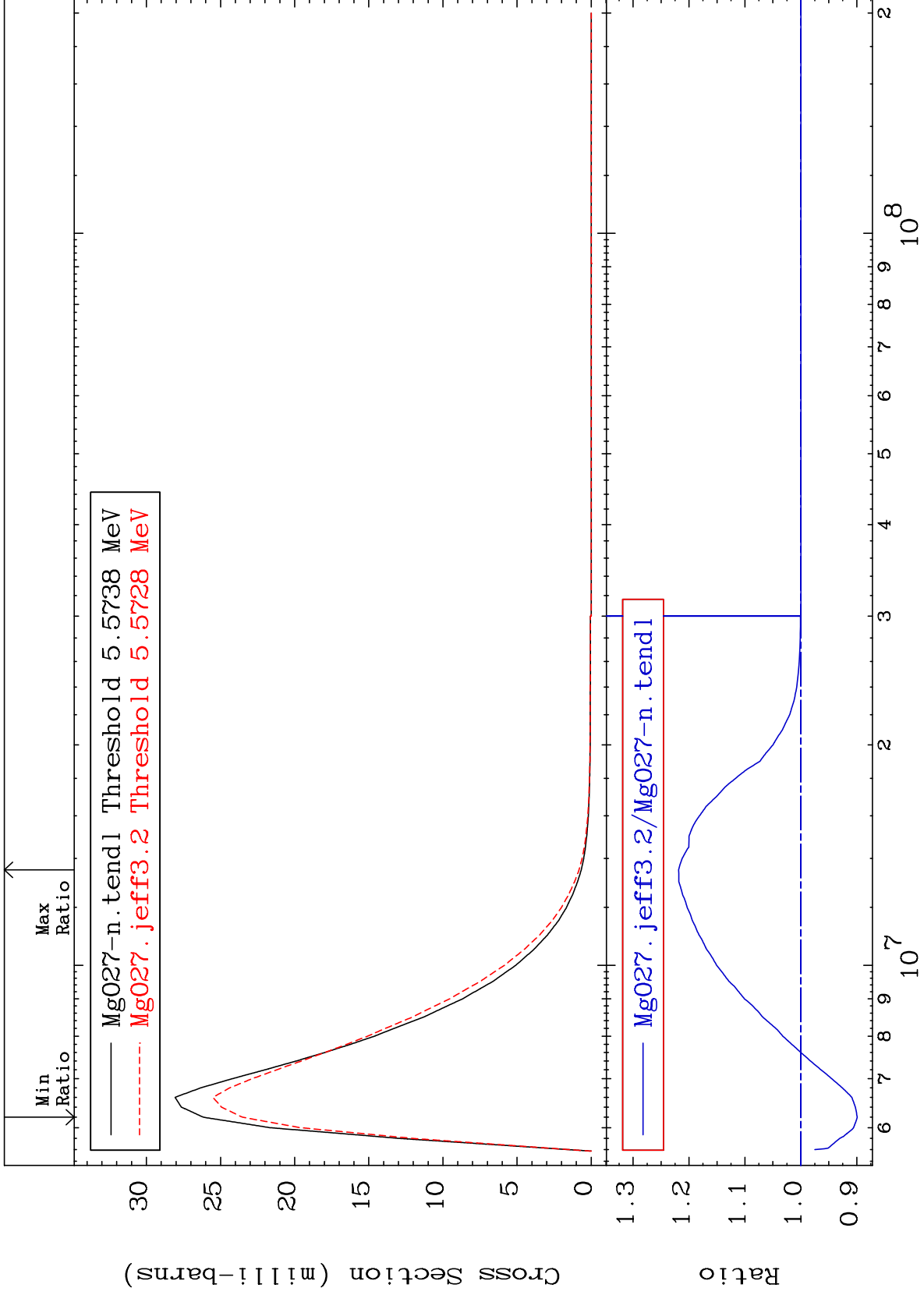
12-Mg-27  
-11.84 To 59.01 %



MAT 1234

5.373 MeV (n,n') Level  
Cross Section

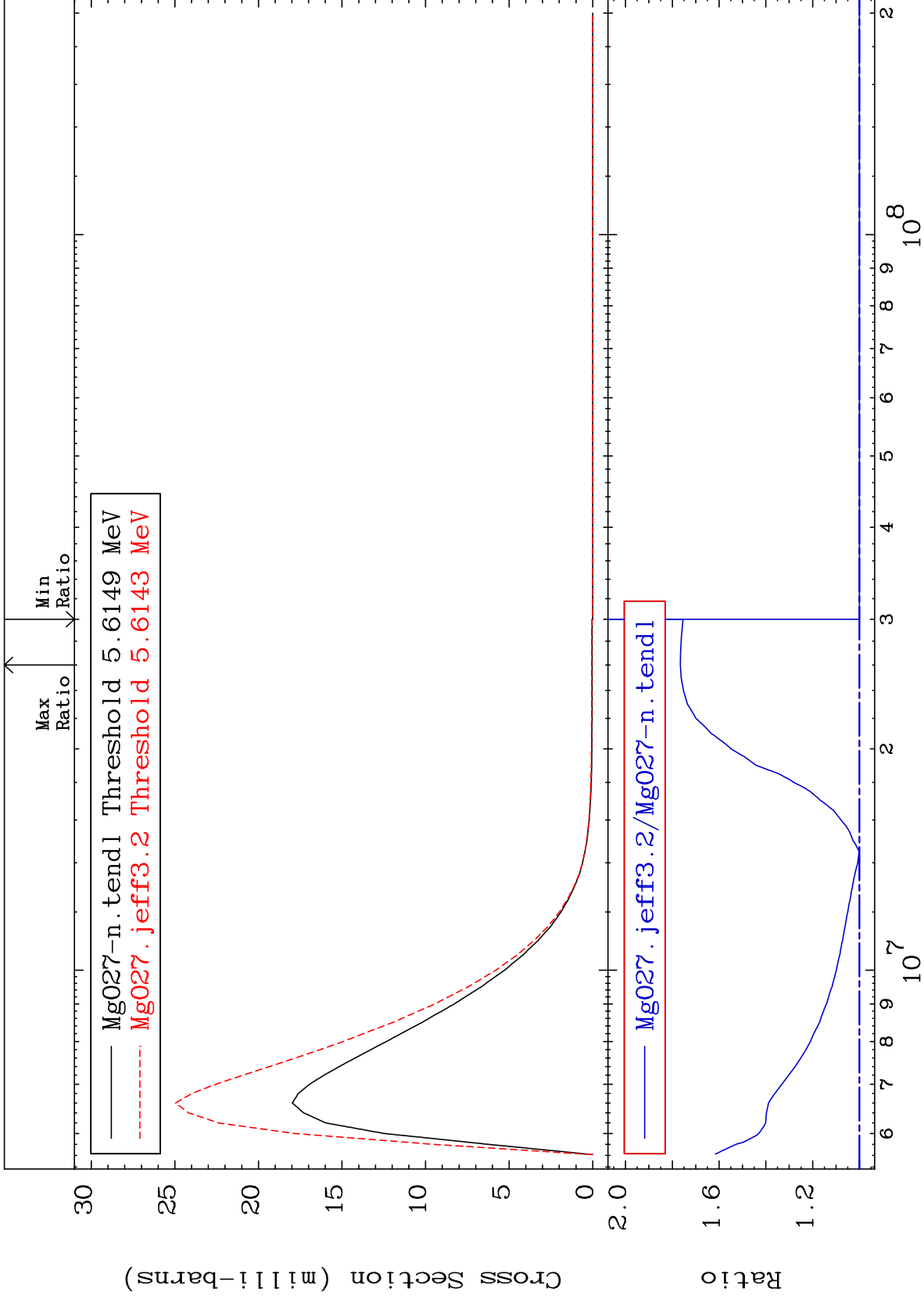
12-Mg-27  
-10.09 To 21.86 %



MAT 1234

5.413 MeV (n,n') Level  
Cross Section

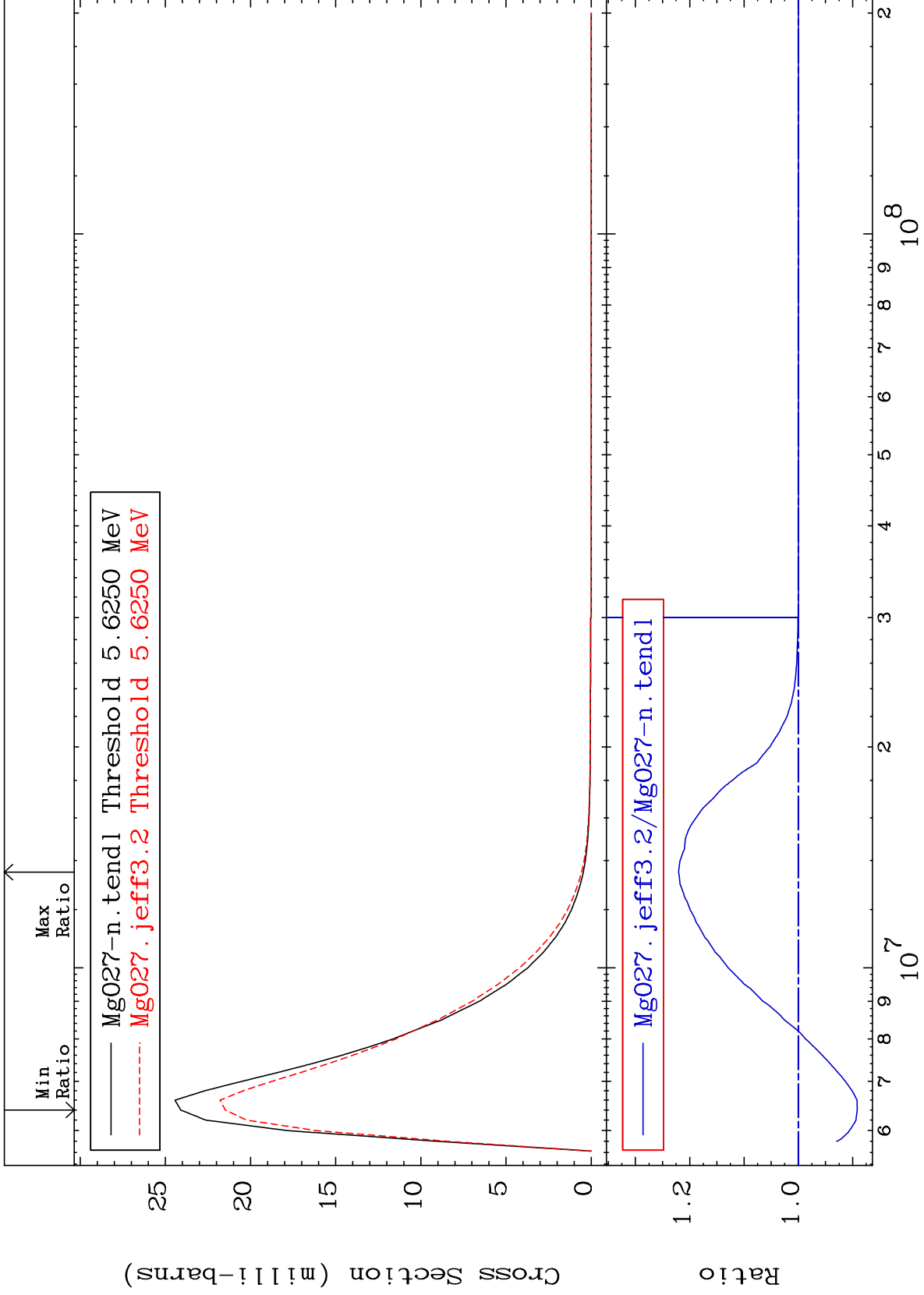
12-Mg-27  
0.000 To 76.56 %



MAT 1234

5.422 MeV (n,n') Level  
Cross Section

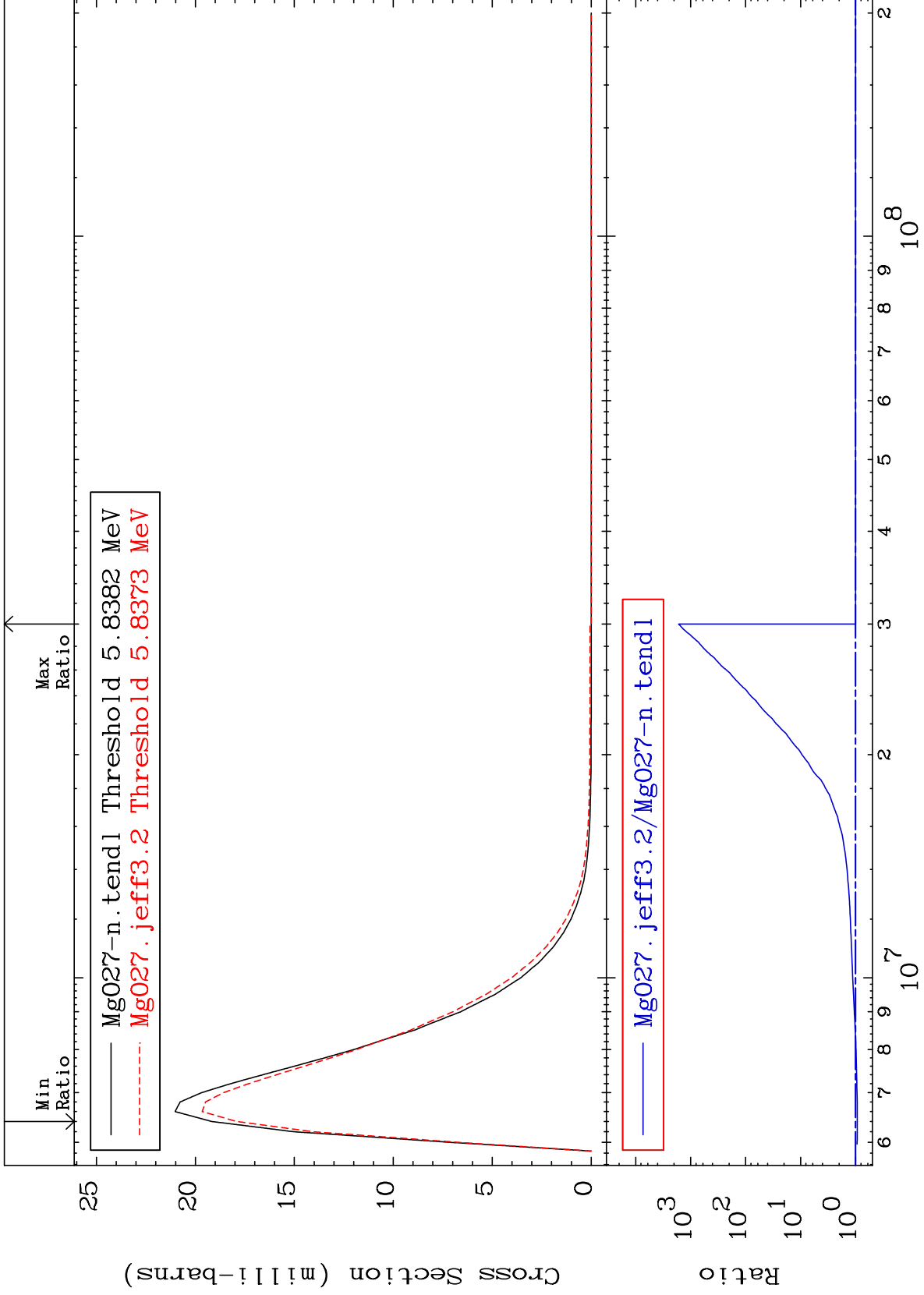
12-Mg-27  
-10.85 To 22.04 %



MAT 1234

5.628 MeV (n,n') Level  
Cross Section

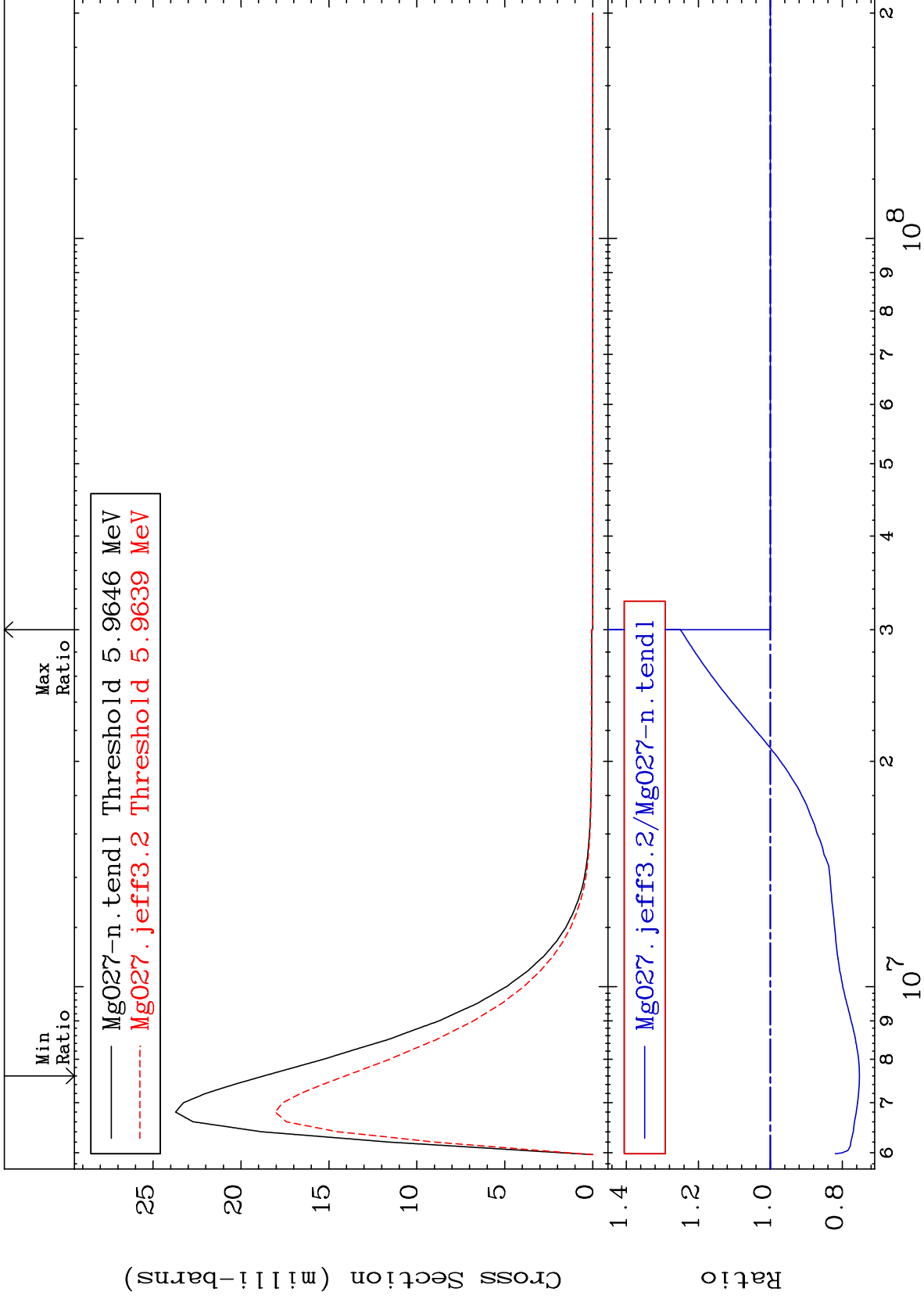
12-Mg-27  
-6.564 To 9999. %



MAT 1234

5.750 MeV (n,n') Level  
Cross Section

12-Mg-27  
-24.77 To 25.00 %



40

Incident Energy (eV)

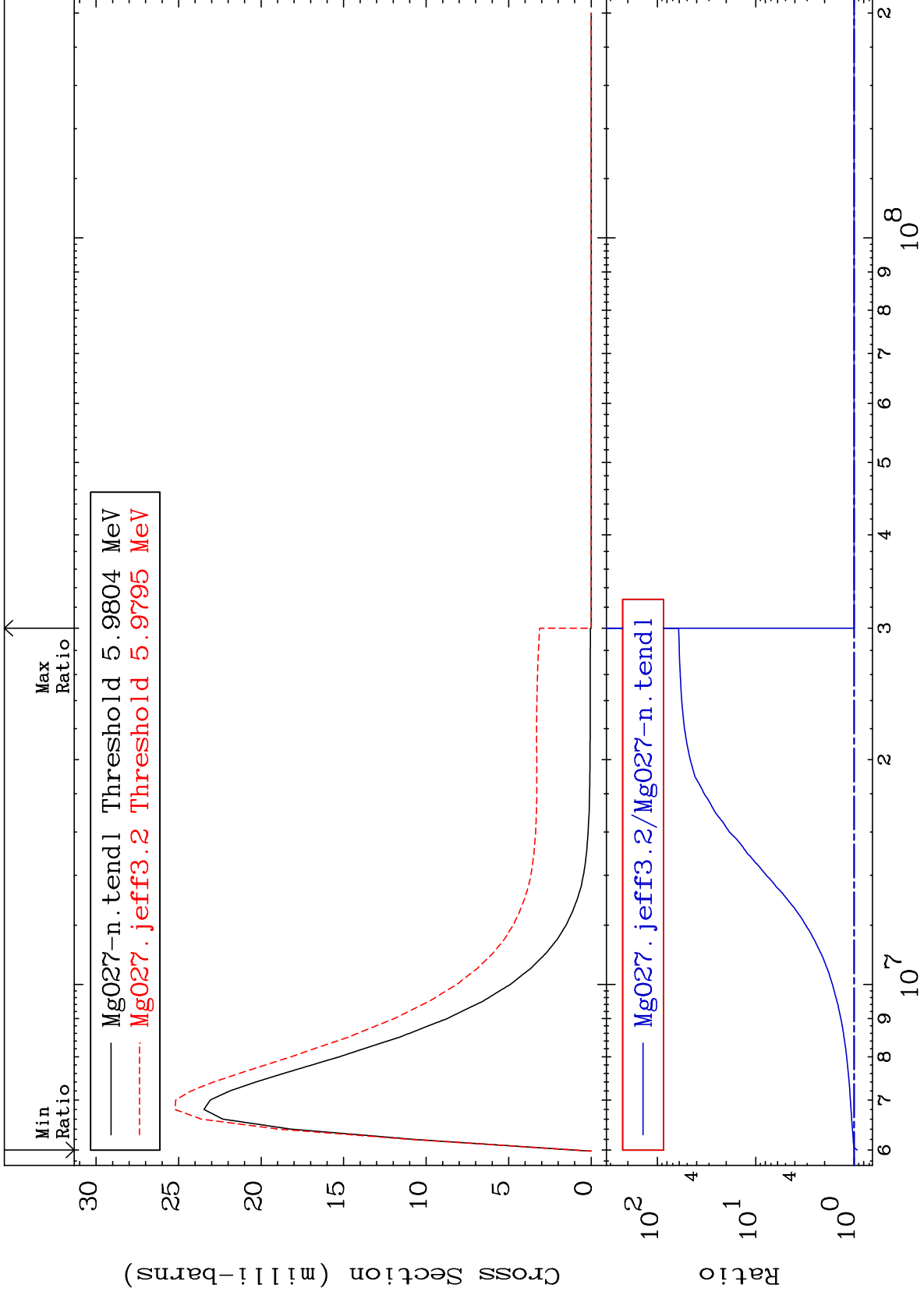
12-Mg-27



MAT 1234

5.765 MeV (n,n') Level  
Cross Section

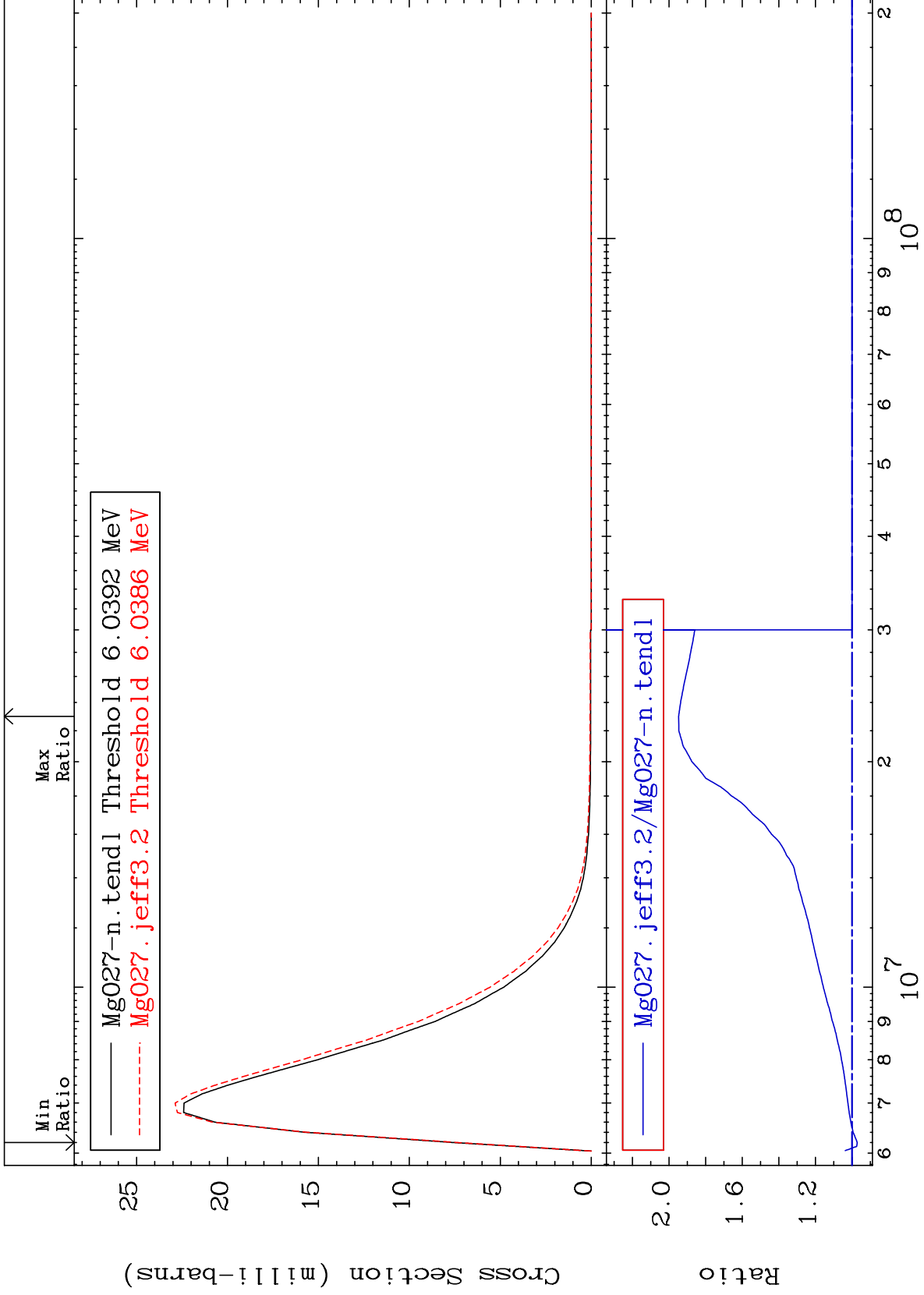
12-Mg-27  
-7.070 To 5991. %



MAT 1234

5.822 MeV (n,n') Level  
Cross Section

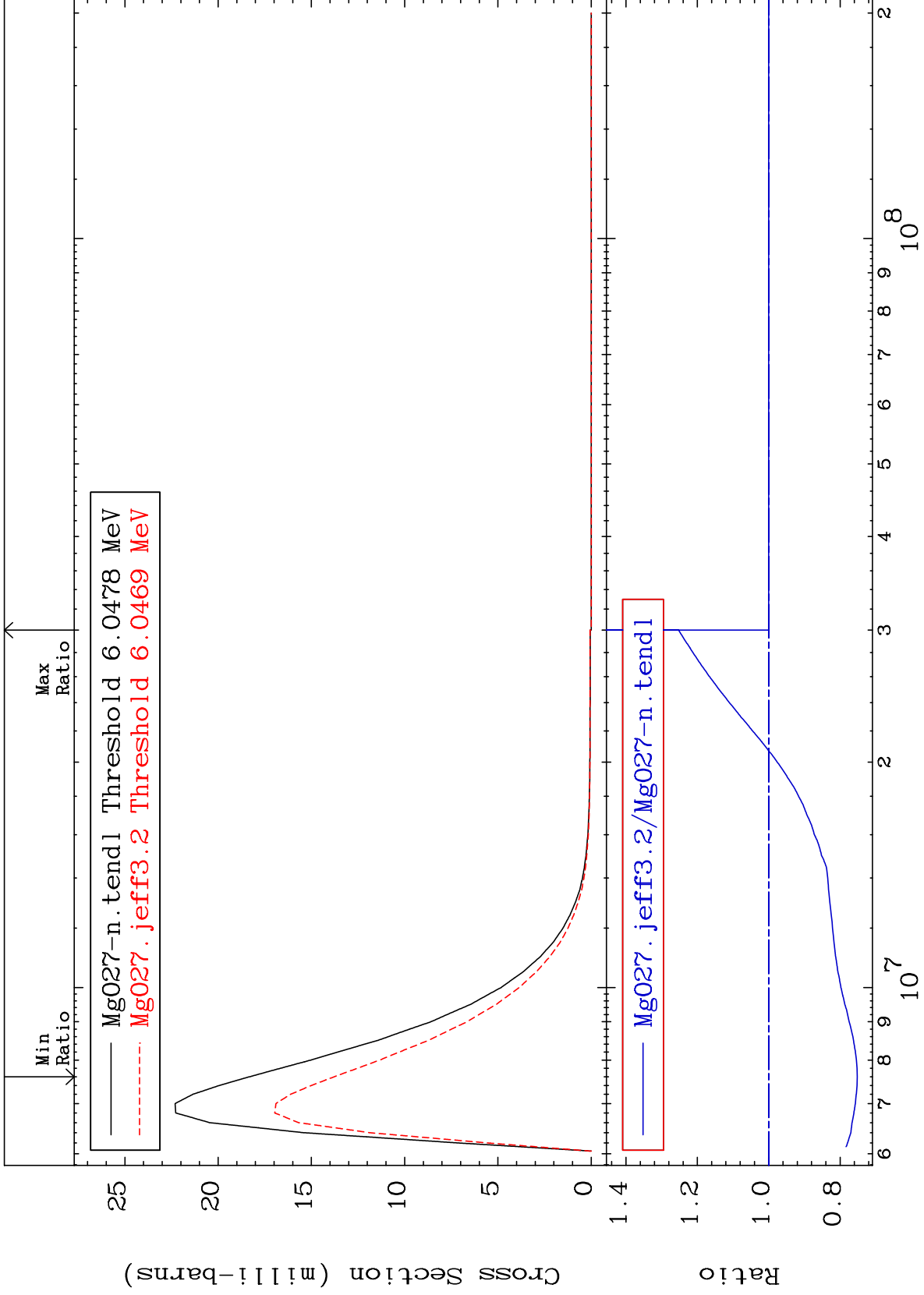
12-Mg-27  
-2.897 To 94.70 %



MAT 1234

5.830 MeV (n,n') Level  
Cross Section

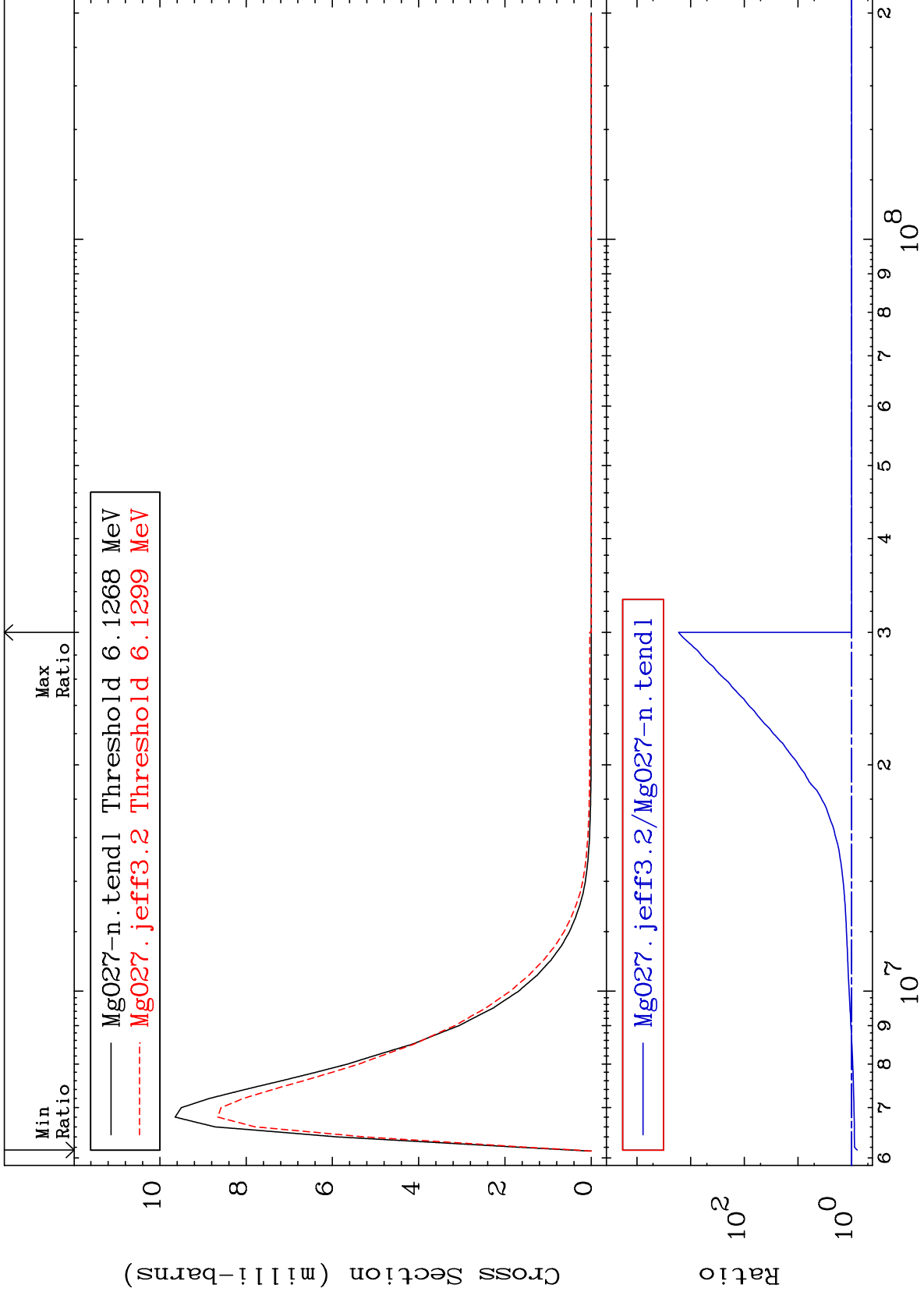
12-Mg-27  
-24.80 To 25.24 %



MAT 1234

5.906 MeV (n,n') Level  
Cross Section

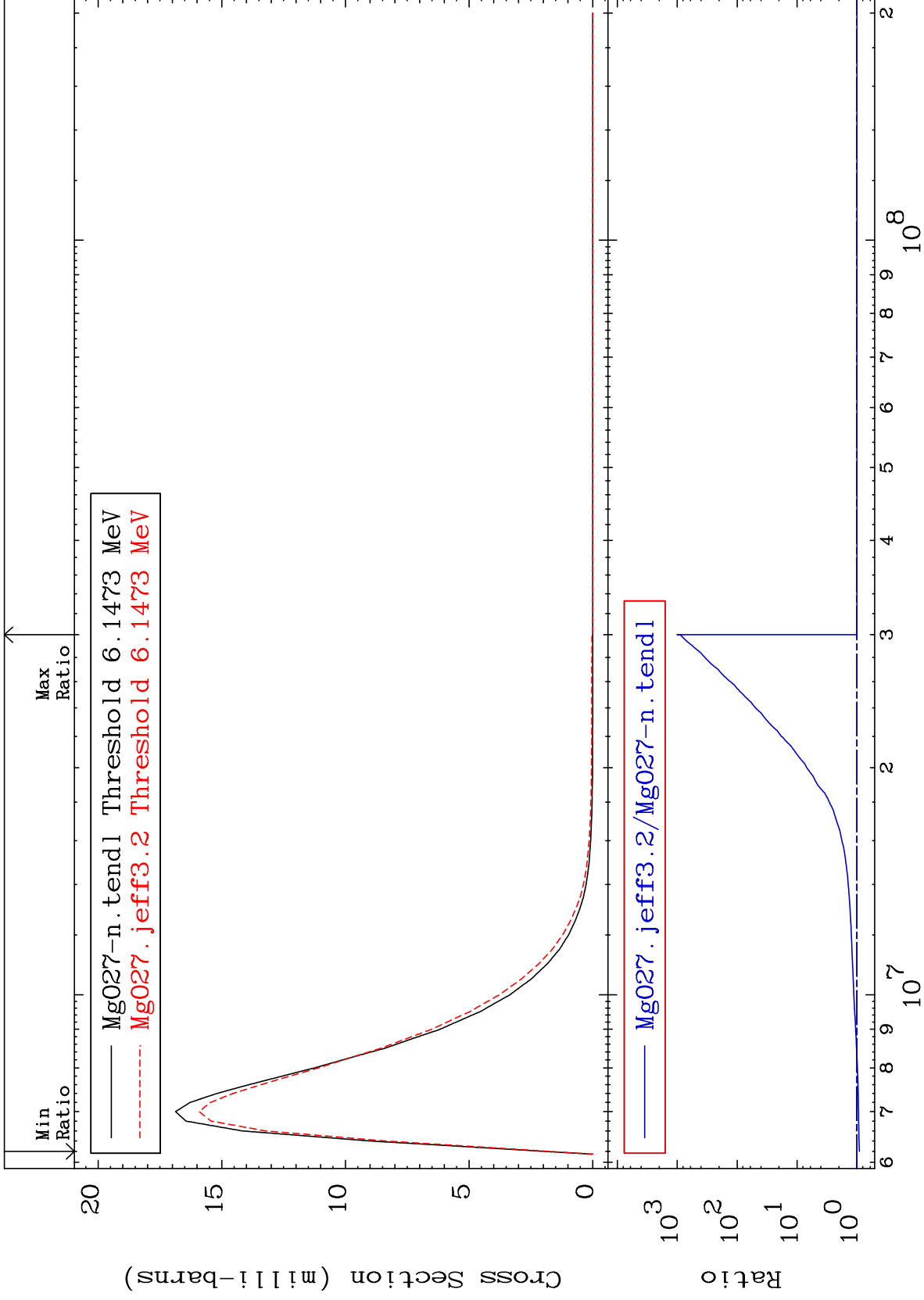
12-Mg-27  
-21.38 To 9999. %



MAT 1234

5.926 MeV (n,n') Level  
Cross Section

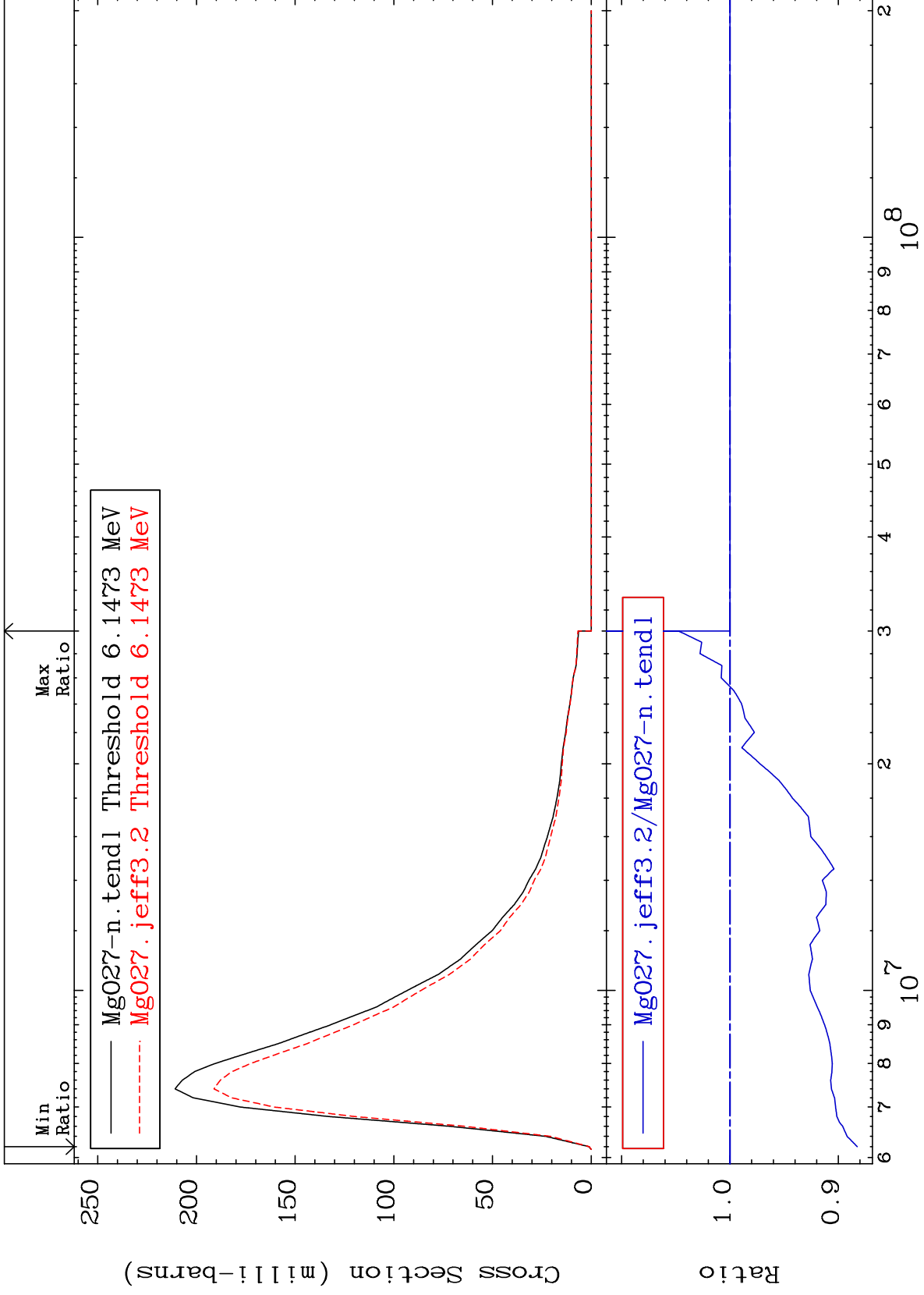
12-Mg-27  
-8.861 To 9999. %



MAT 1234

(n, n') Continuum  
Cross Section

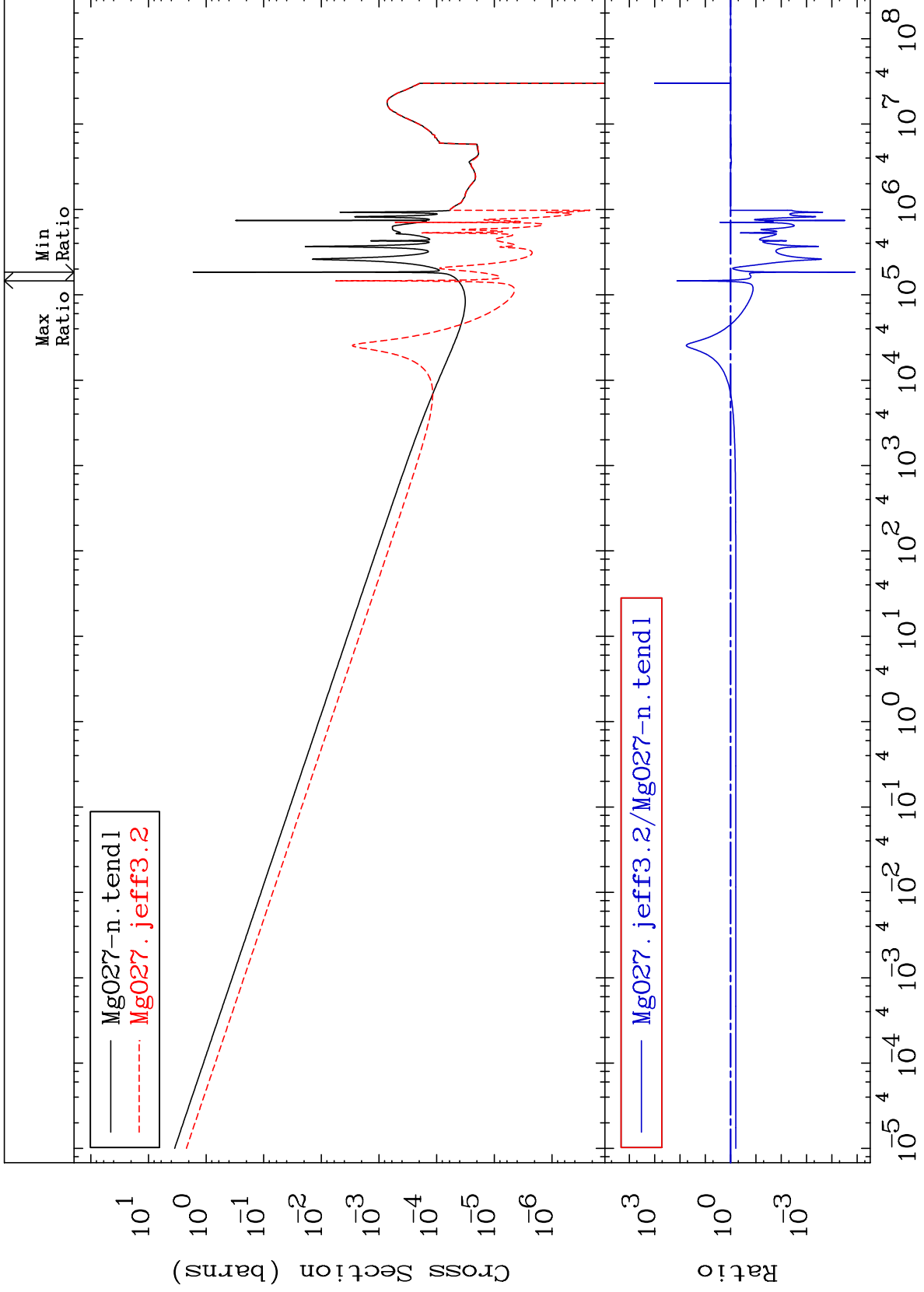
12-Mg-27  
-11.74 To 4.742 %



MAT 1234

(n,  $\gamma$ )  
Cross Section

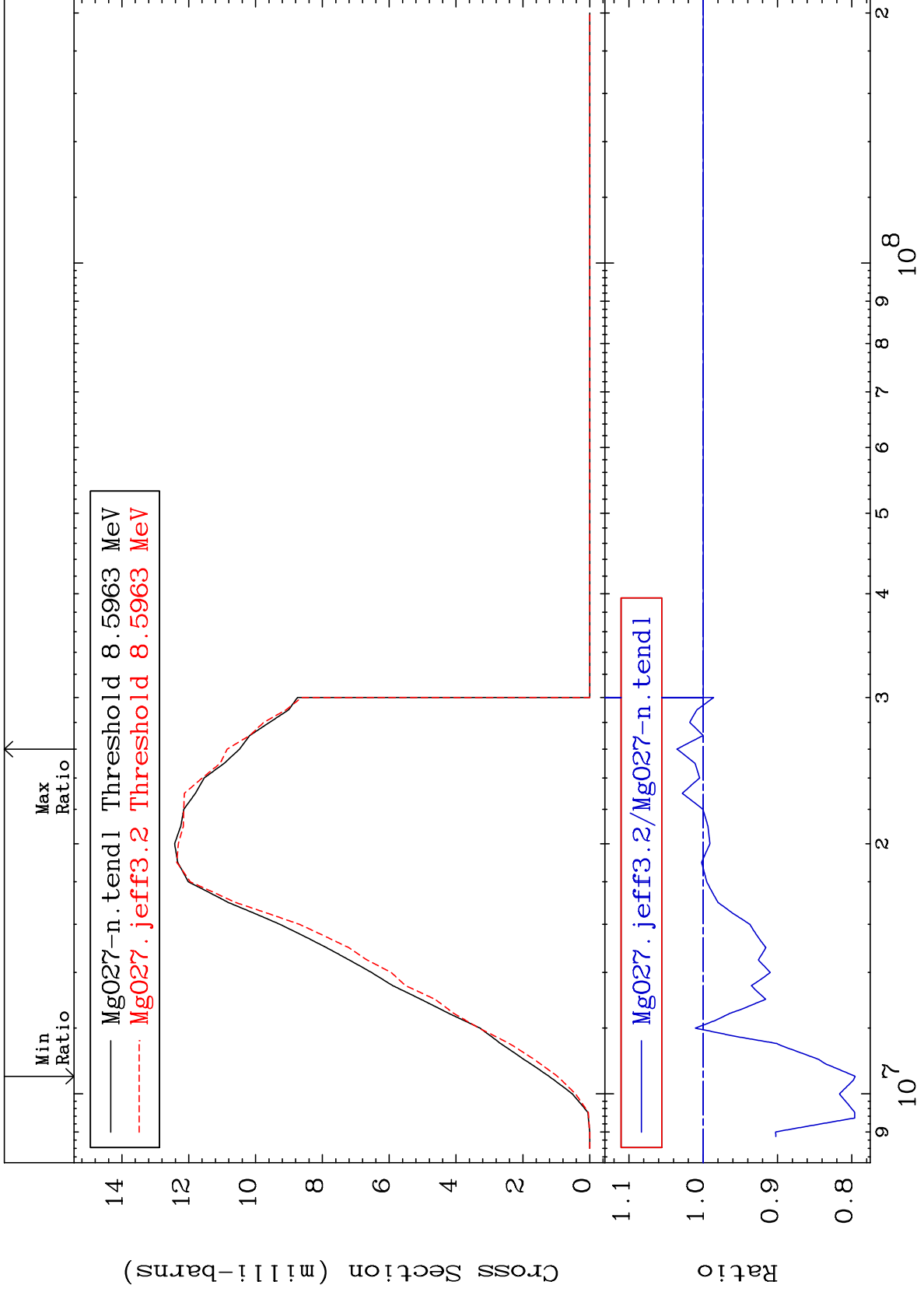
12-Mg-27  
-100.0 To 9999. %



MAT 1234

(n,p)  
Cross Section

12-Mg-27  
-20.45 To 3.537 %



48

Incident Energy (eV)

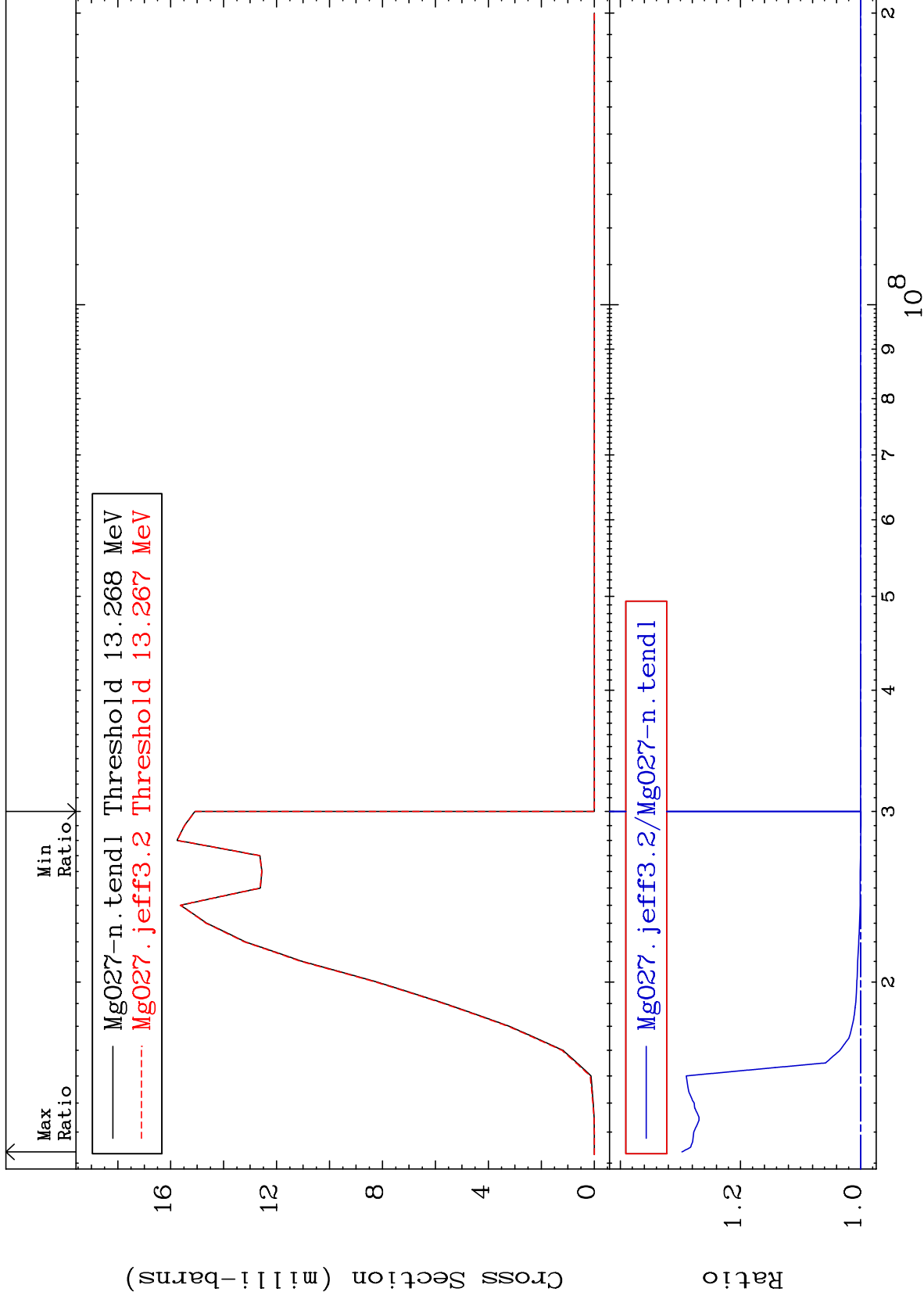
12-Mg-27



MAT 1234

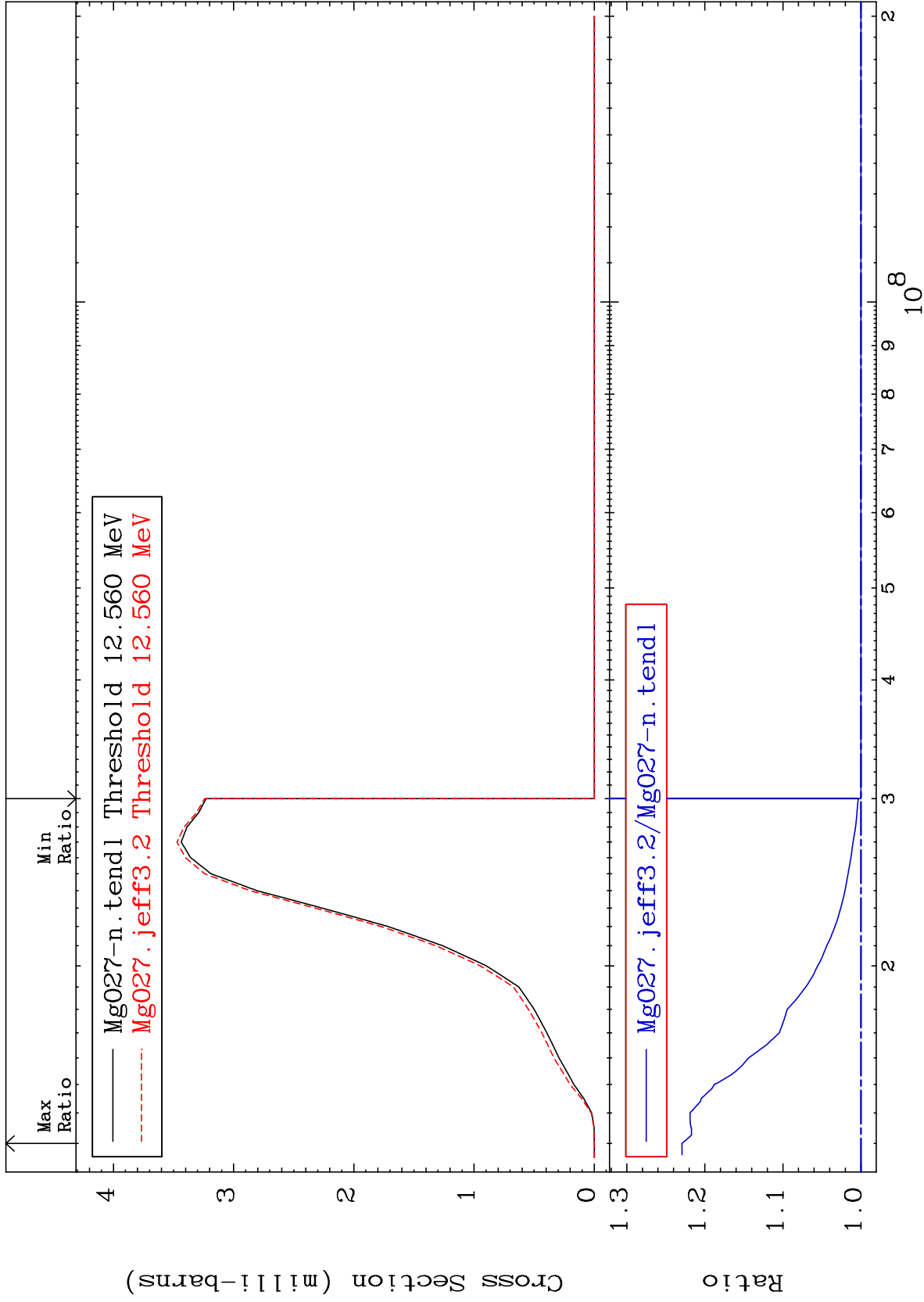
(n, d)  
Cross Section

12-Mg-27  
-0.064 To 29.74 %



MAT 1234

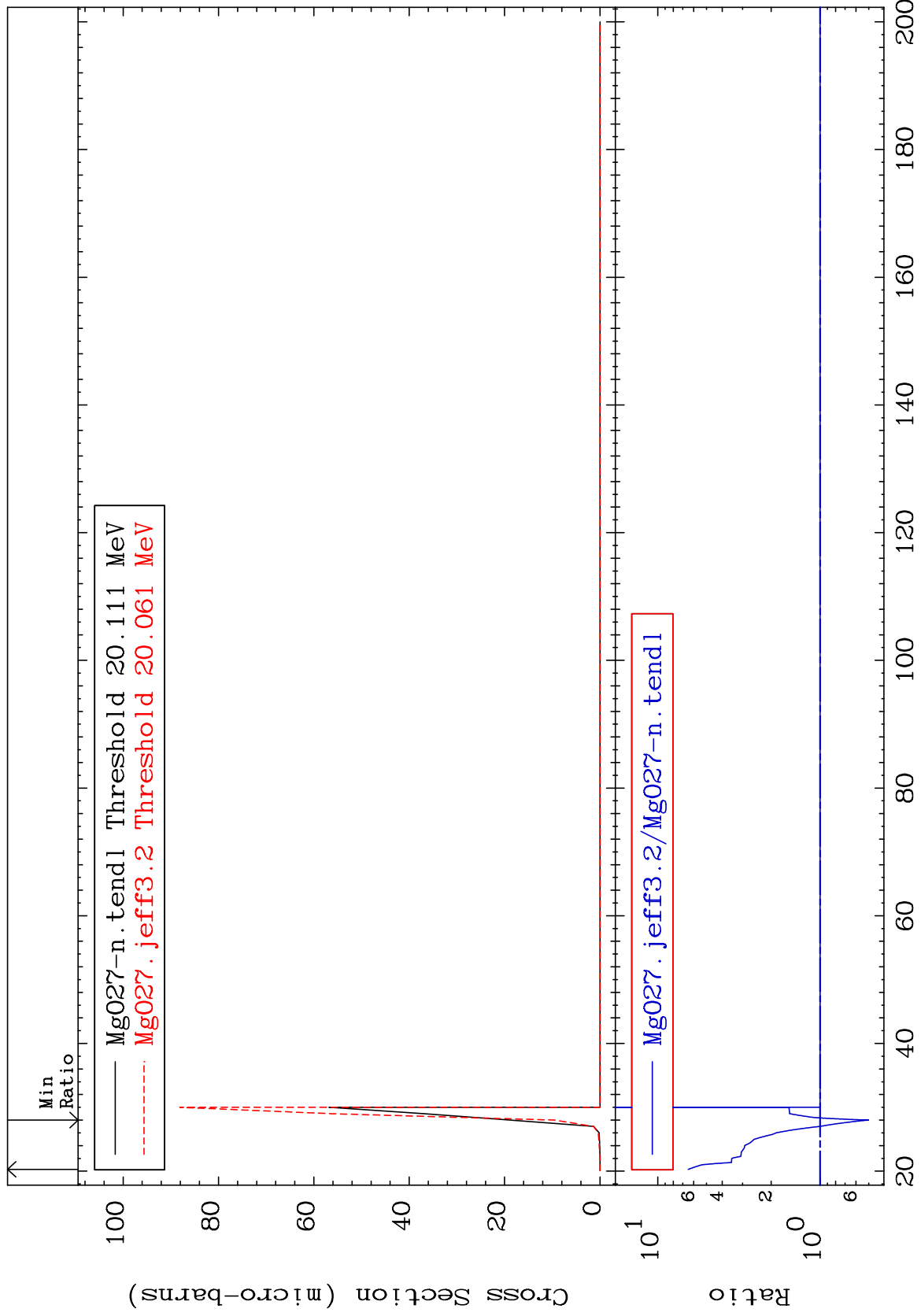
(n, t)  
Cross Section  
0.000 To 22.93 %  
12-Mg-27



MAT 1234

(n, He-3)  
Cross Section

12-Mg-27  
-49.83 To 548.0 %



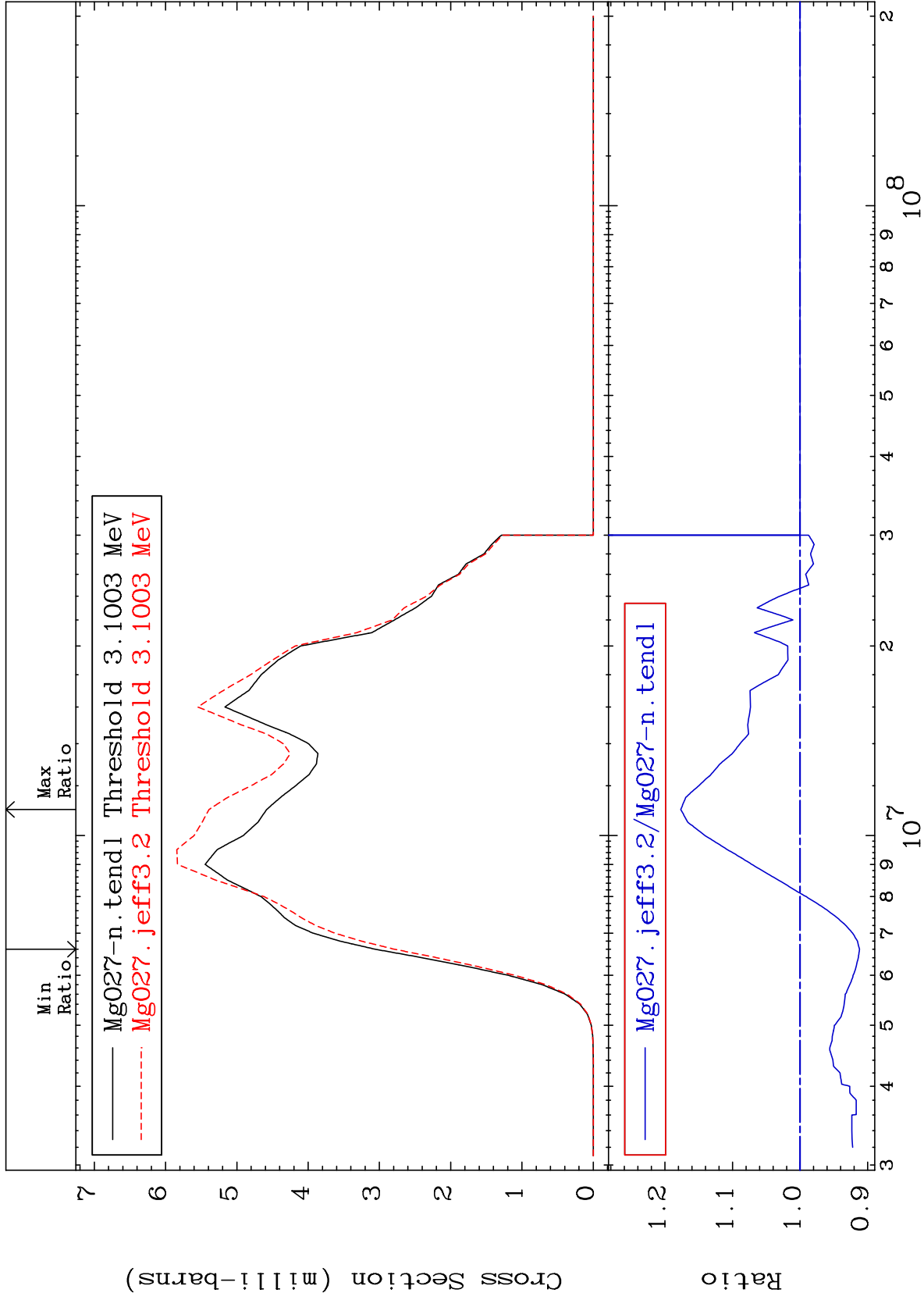
MAT 1234

(n,  $\alpha$ )

12-Mg-27

Cross Section

-8.792 To 17.65 %



MAT 1234

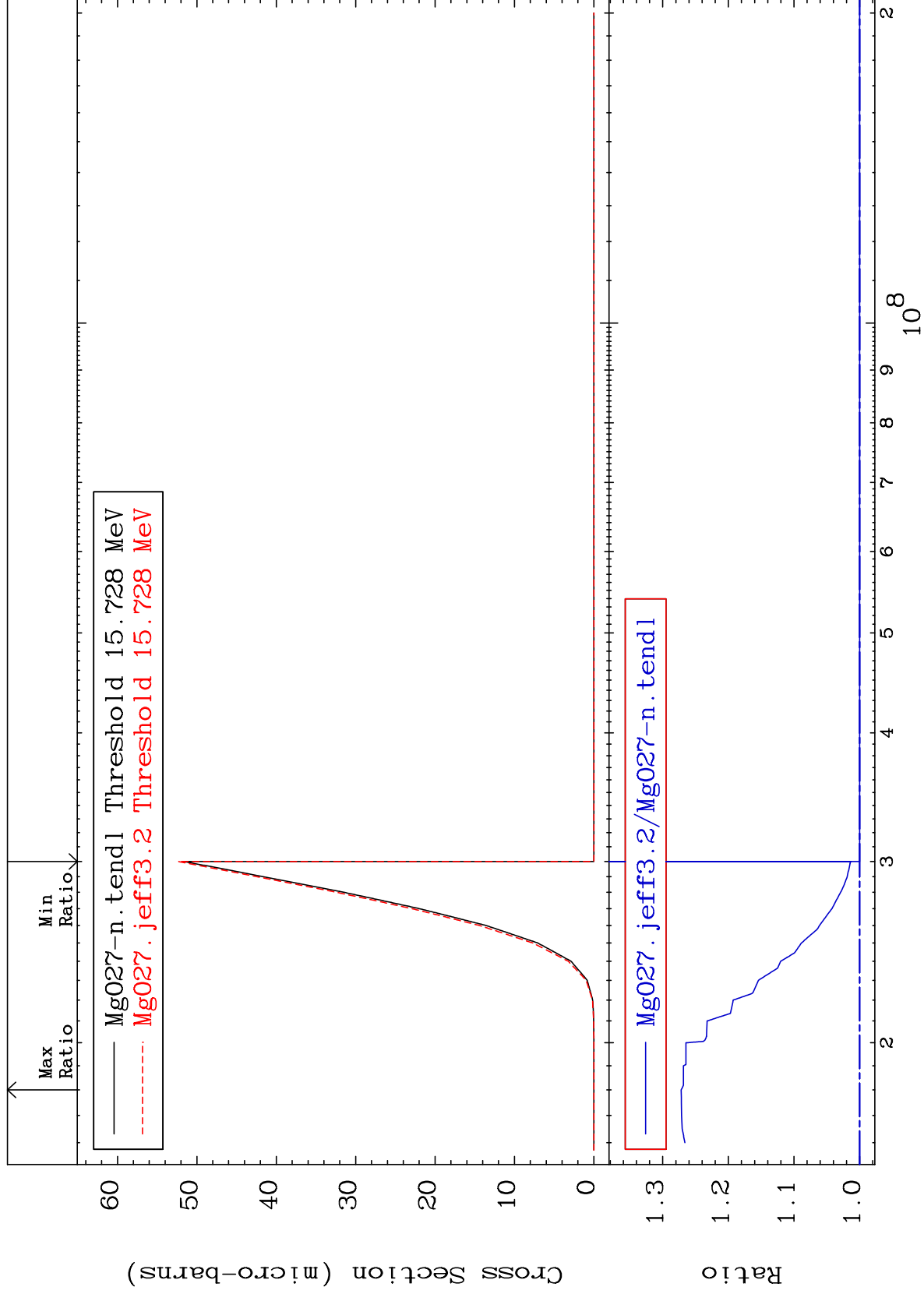
(n,2α)

12-Mg-27

Cross Section

0.000

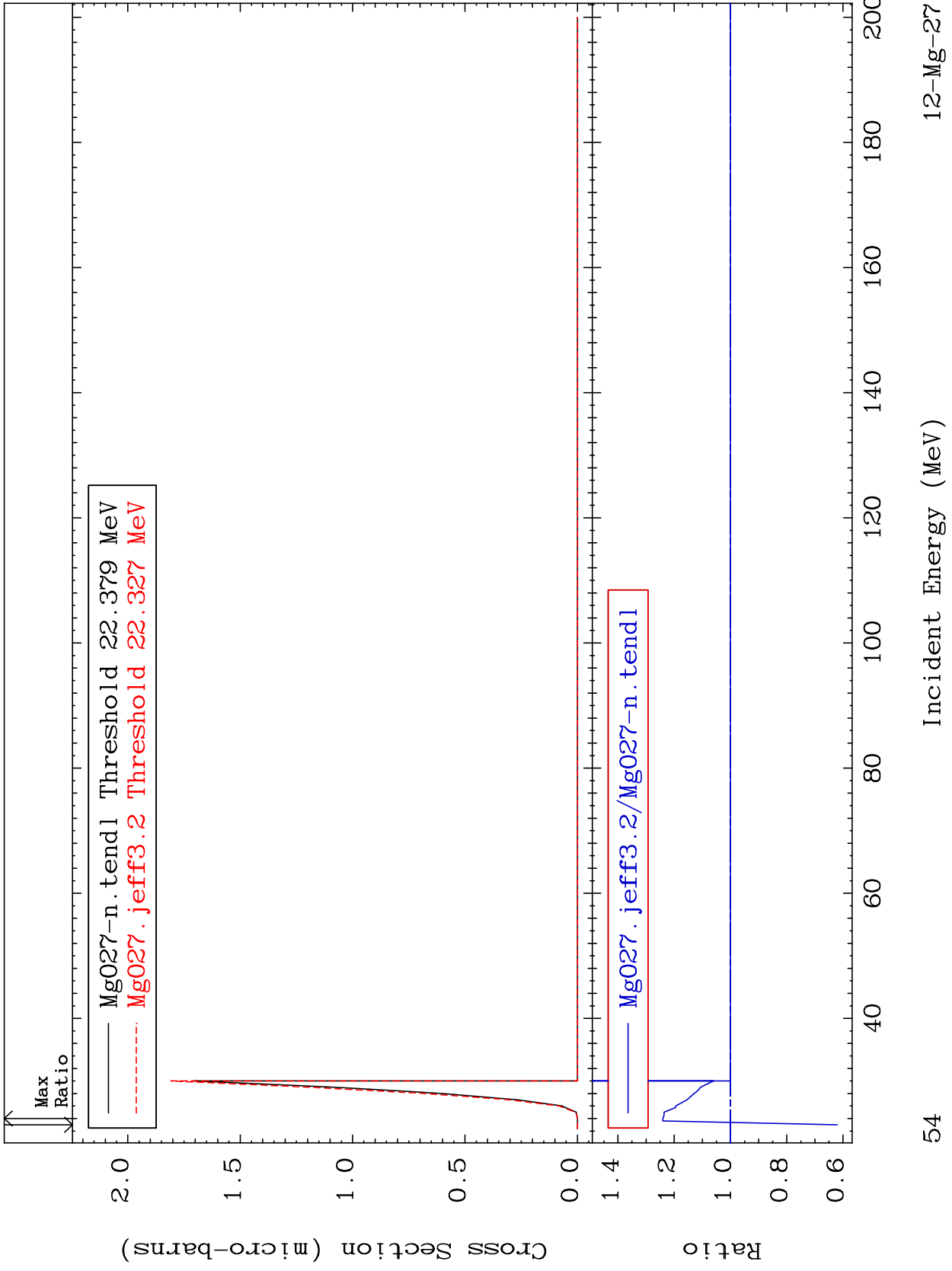
To 27.19 %



MAT 1234

(n,2p)  
Cross Section

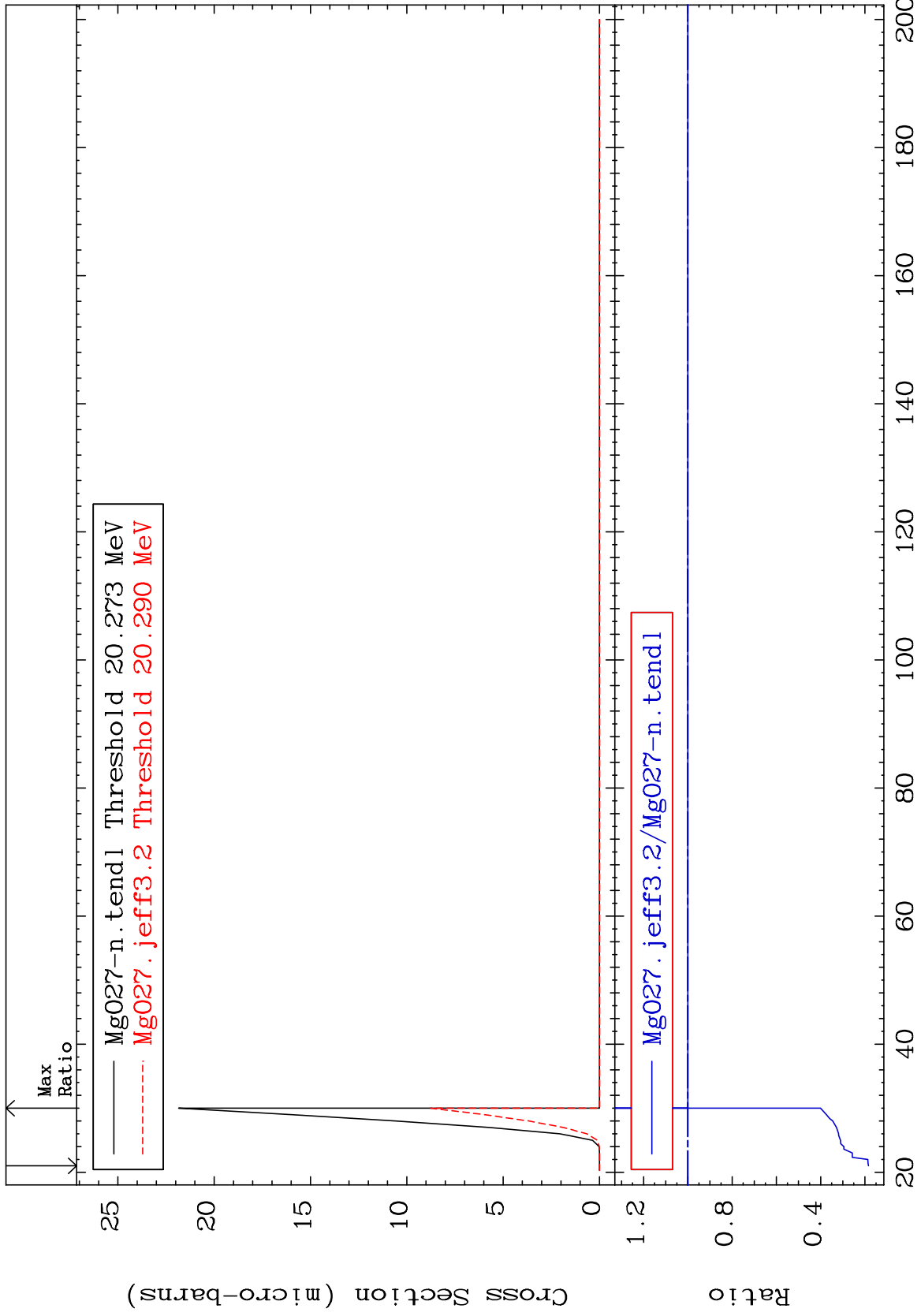
12-Mg-27  
-37.95 To 24.04 %



MAT 1234

(n, p)  $\alpha$   
Cross Section

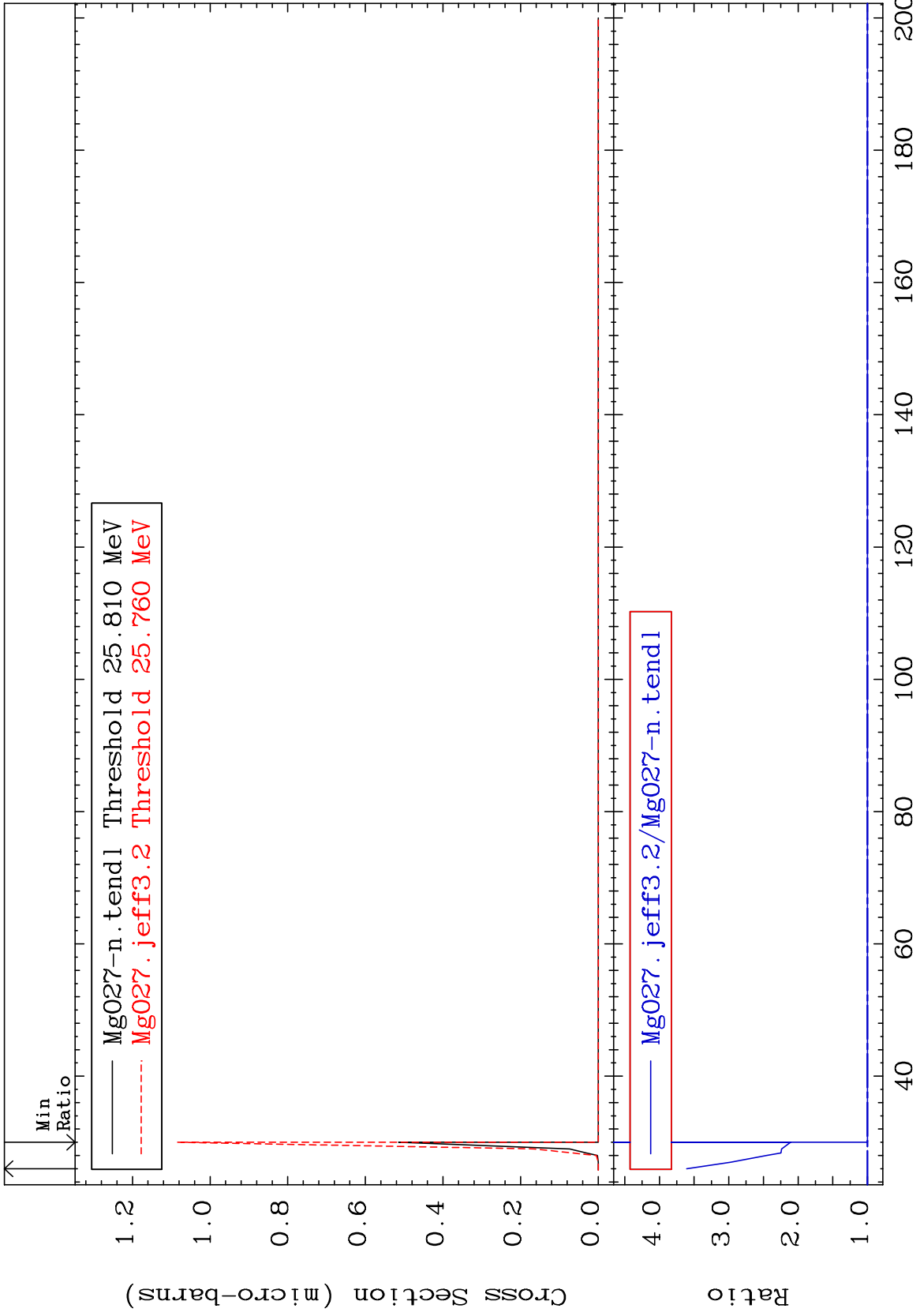
12-Mg-27  
-81.61 To 0.000 %



MAT 1234

(n,p) d  
Cross Section

12-Mg-27  
0.000 To 260.7 %

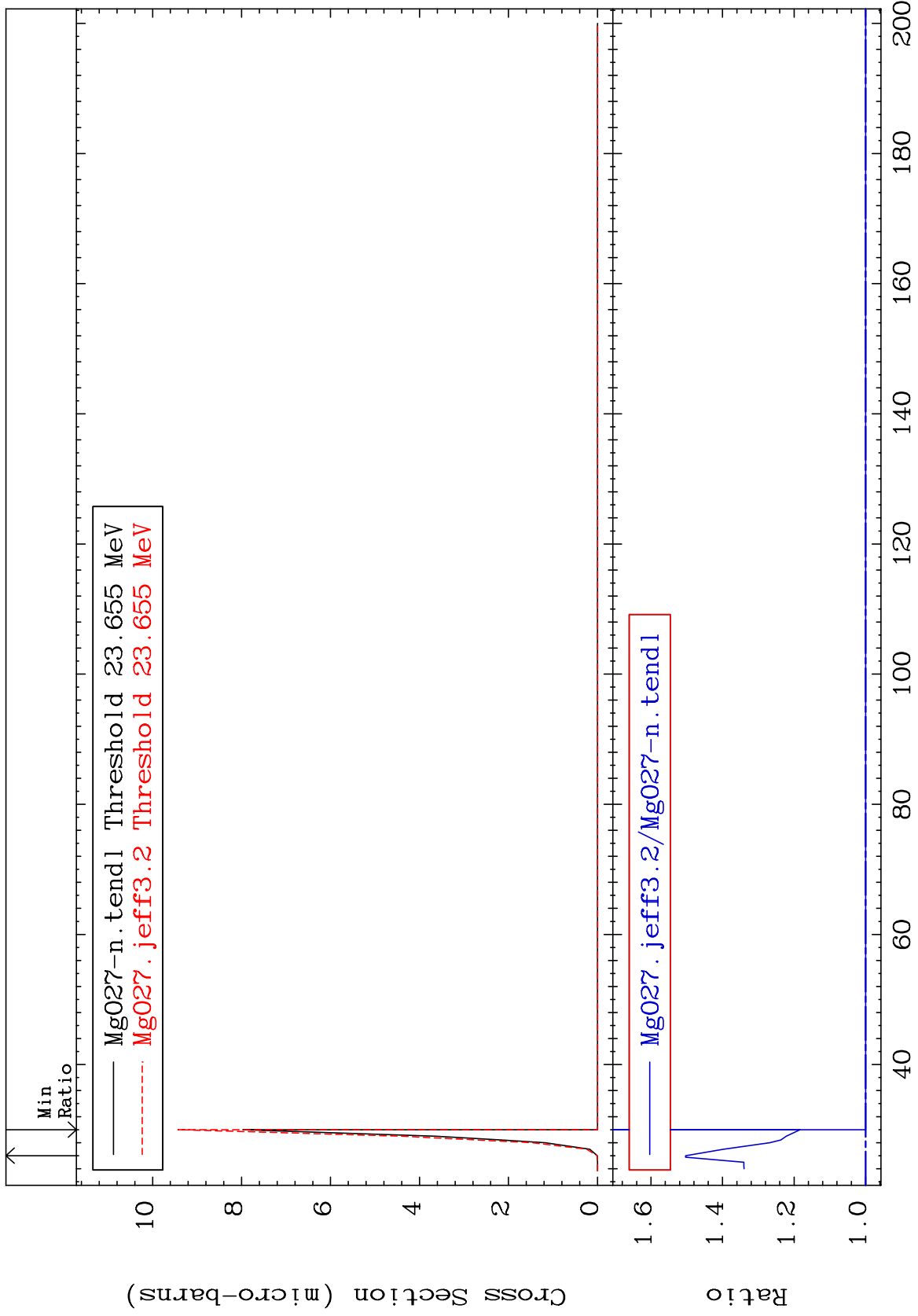




MAT 1234

(n,p) t  
Cross Section

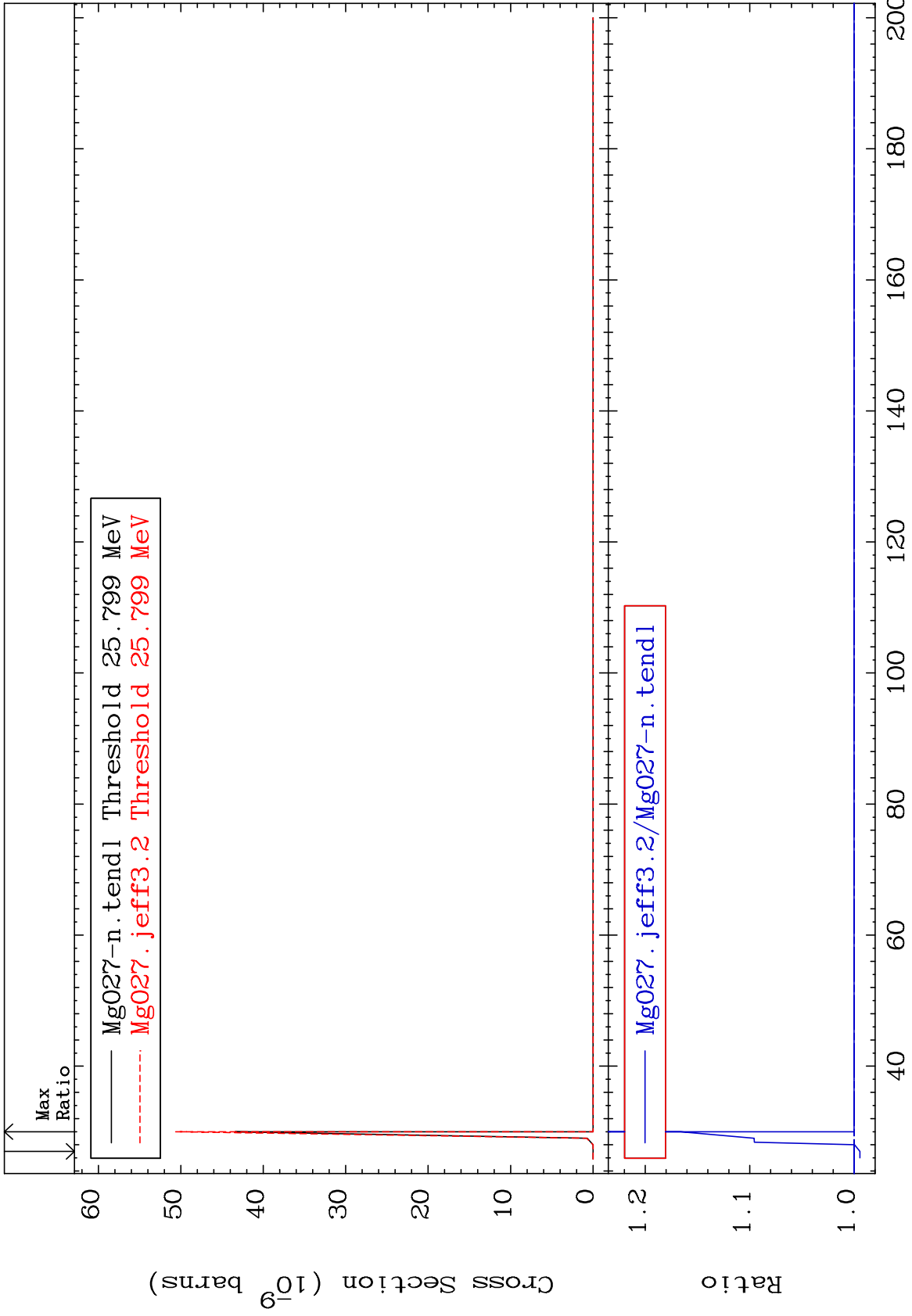
12-Mg-27  
0.000 To 50.32 %



MAT 1234

(n, d)  $\alpha$   
Cross Section

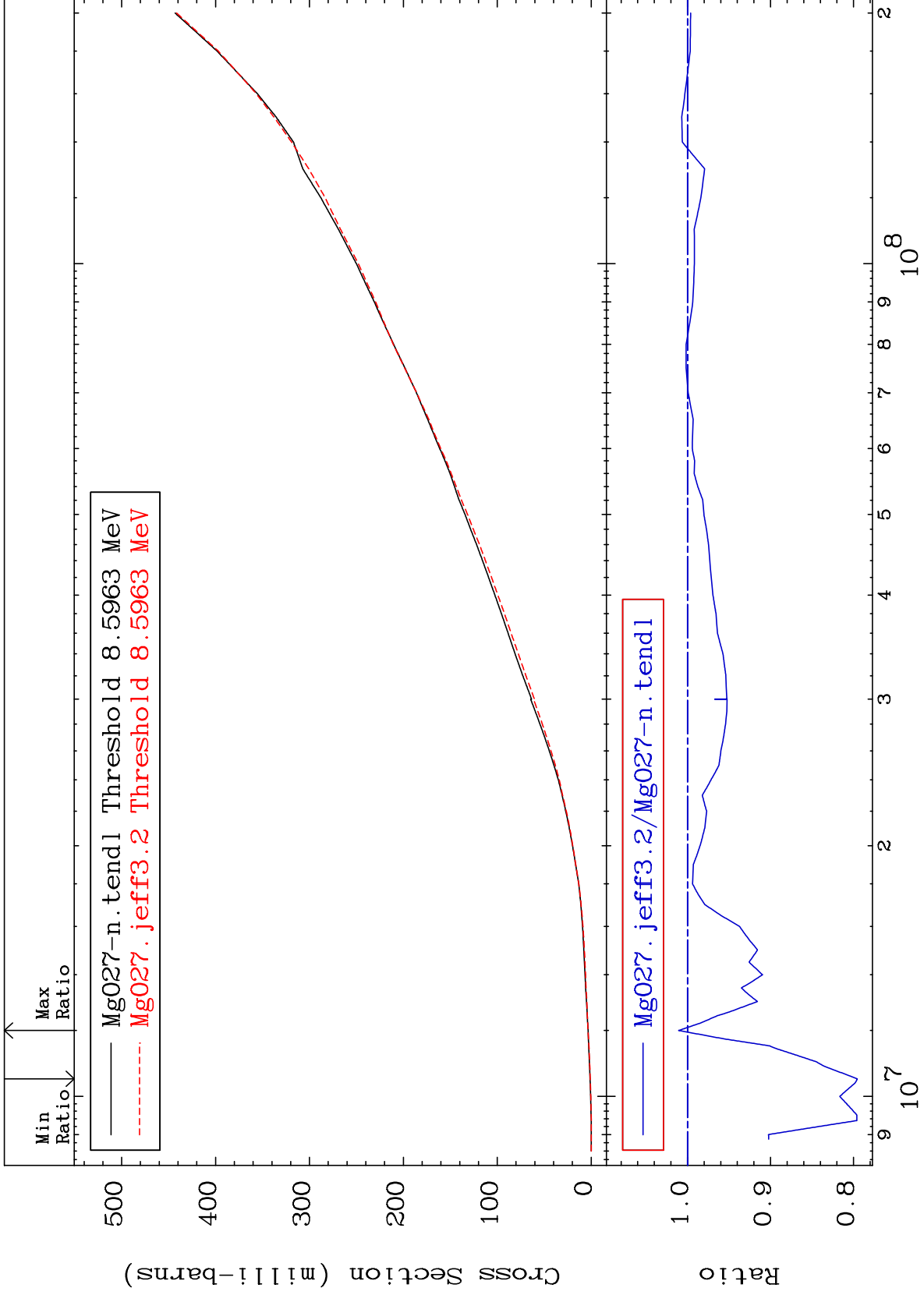
12-Mg-27  
-0.554 To 16.60 %



MAT 1234

Hydrogen Production  
Cross Section

12-Mg-27  
-20.45 To 1.070 %



59

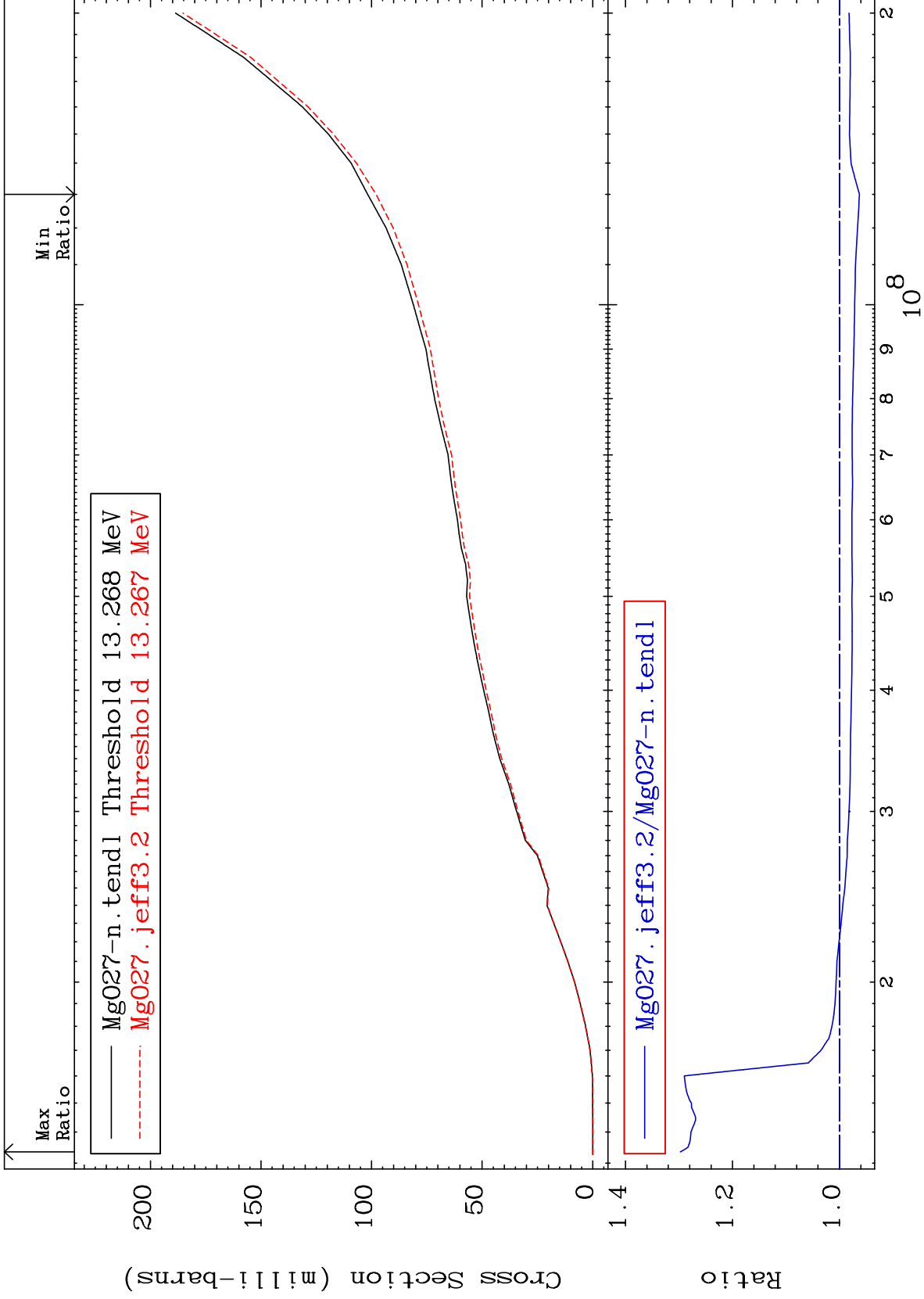
Incident Energy (eV)

12-Mg-27

MAT 1234

Deuterium Production  
Cross Section

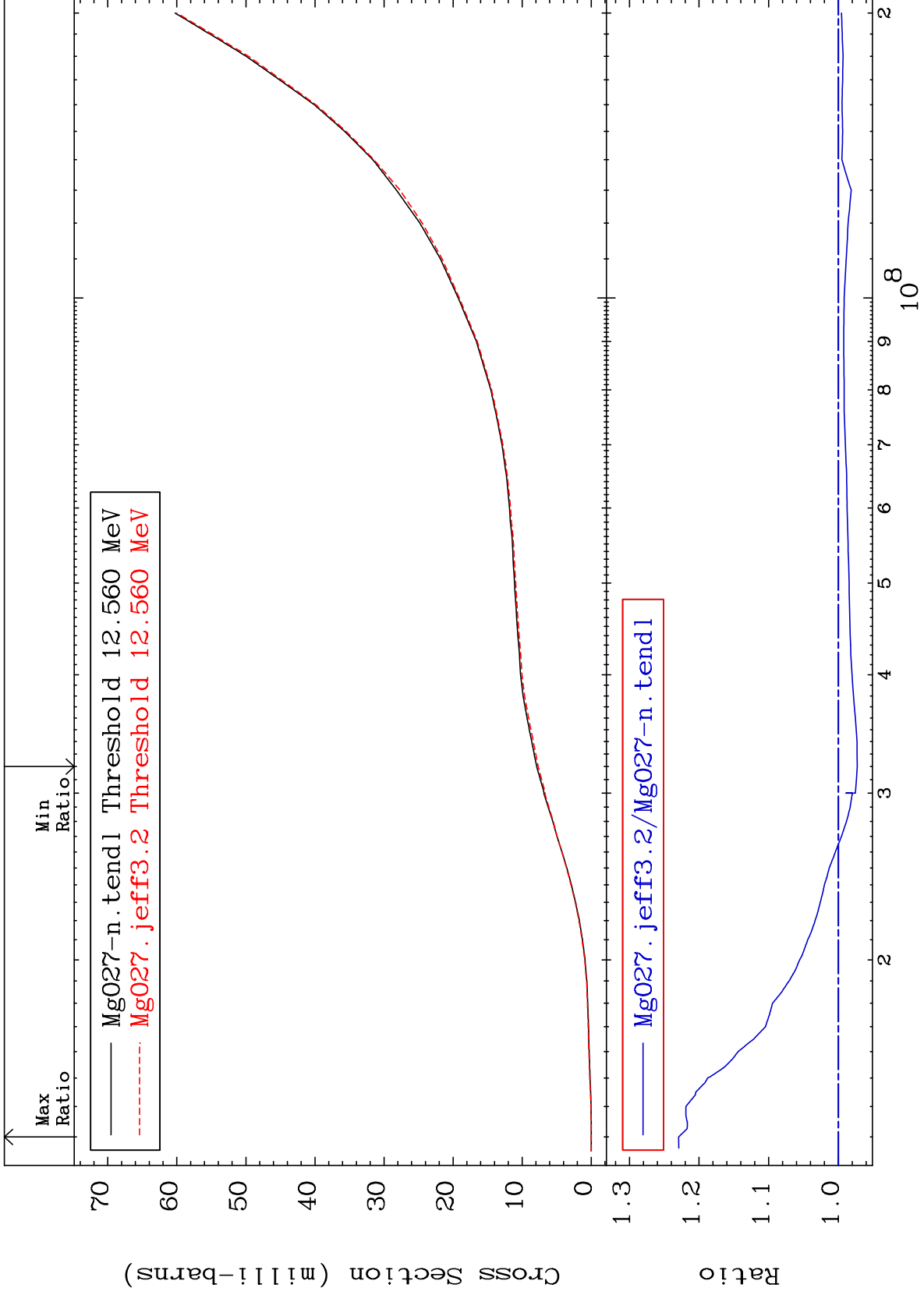
12-Mg-27  
-3.740 To 29.74 %



MAT 1234

Tritium Production  
Cross Section

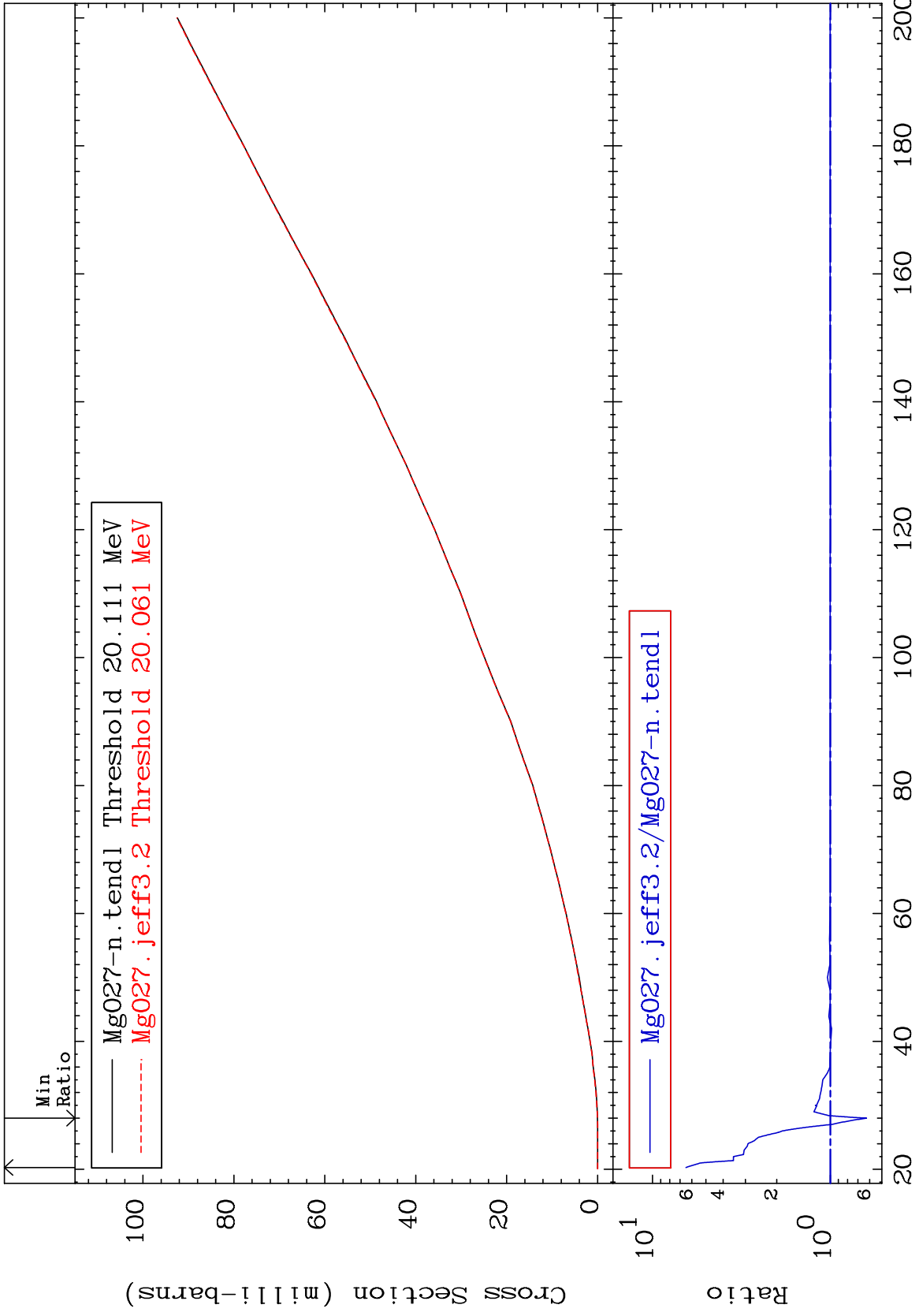
12-Mg-27  
-2.711 To 22.93 %



MAT 1234

He-3 Production  
Cross Section

12-Mg-27  
-37.44 To 548.0 %



62

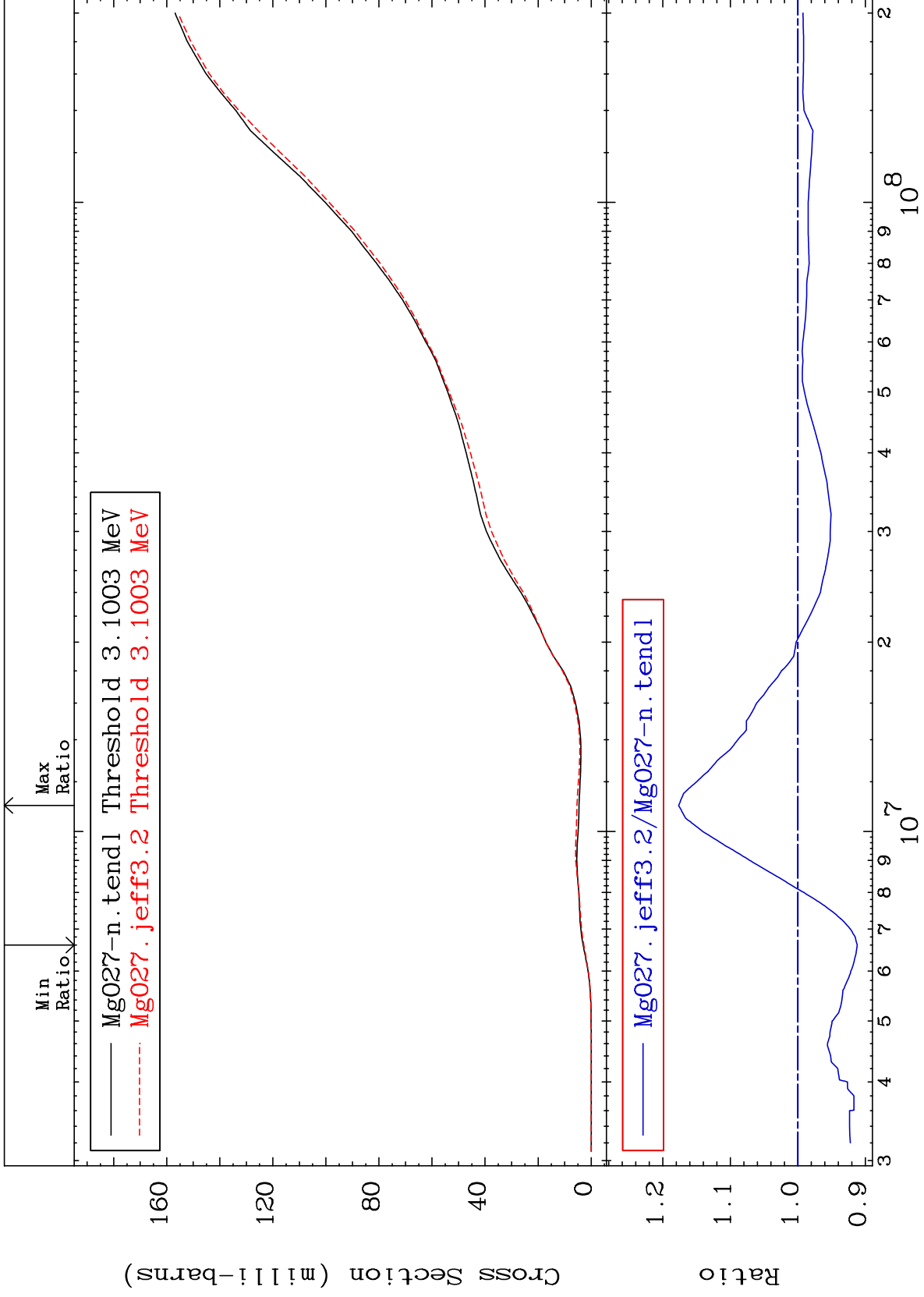
Incident Energy (MeV)

12-Mg-27

MAT 1234

He-4 Production  
Cross Section

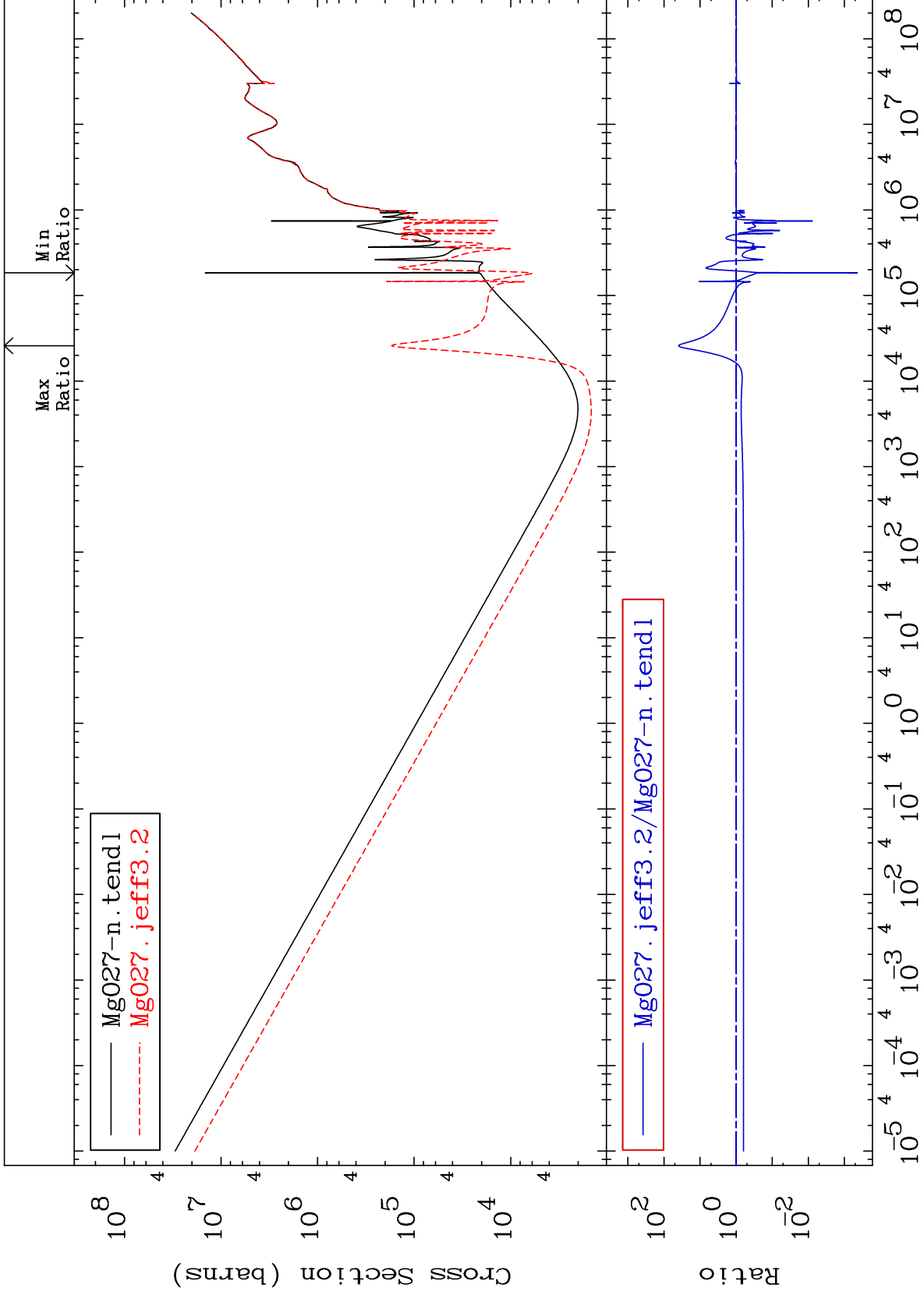
12-Mg-27  
-8.792 To 17.65 %



63

Incident Energy (eV)

12-Mg-27

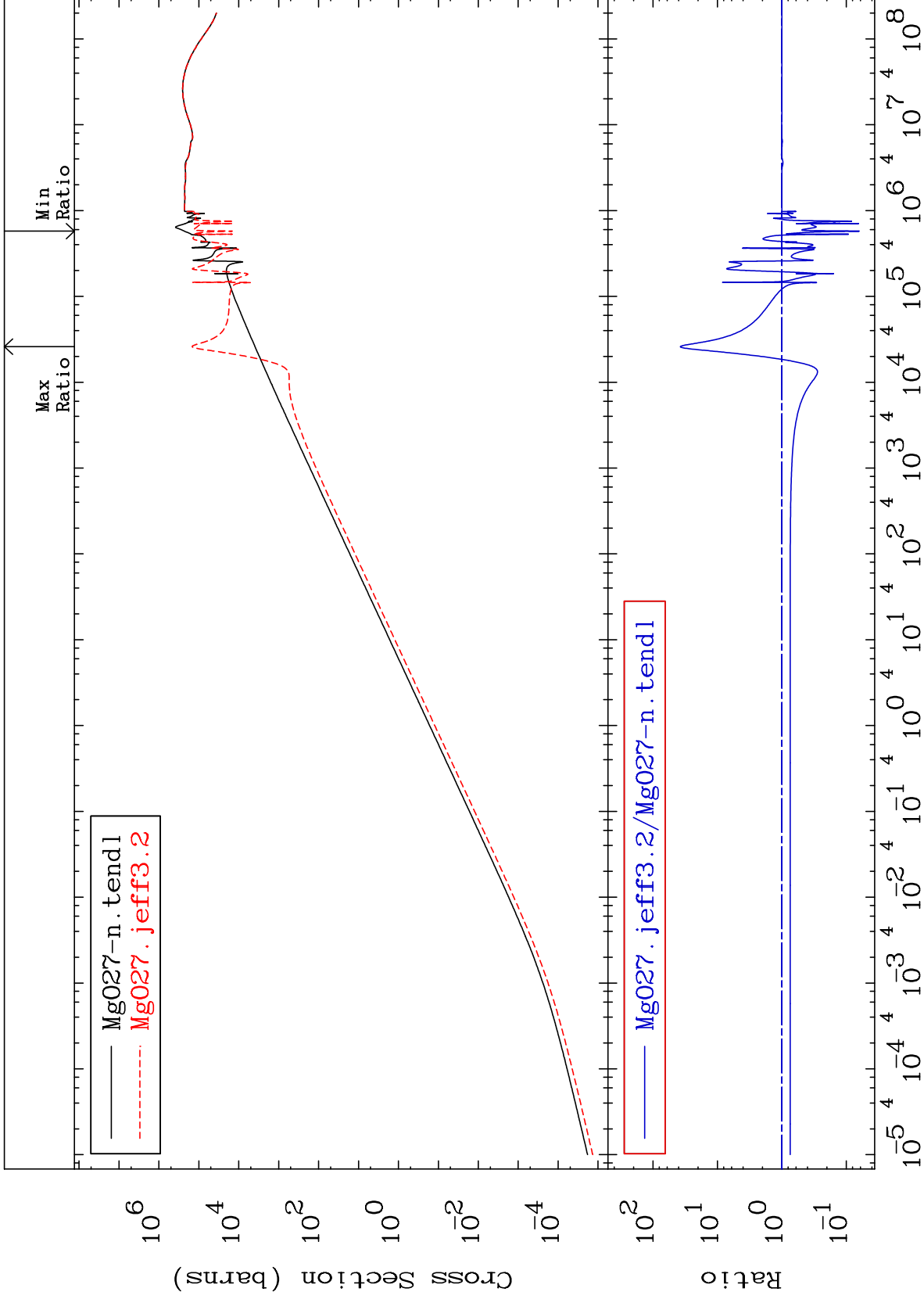


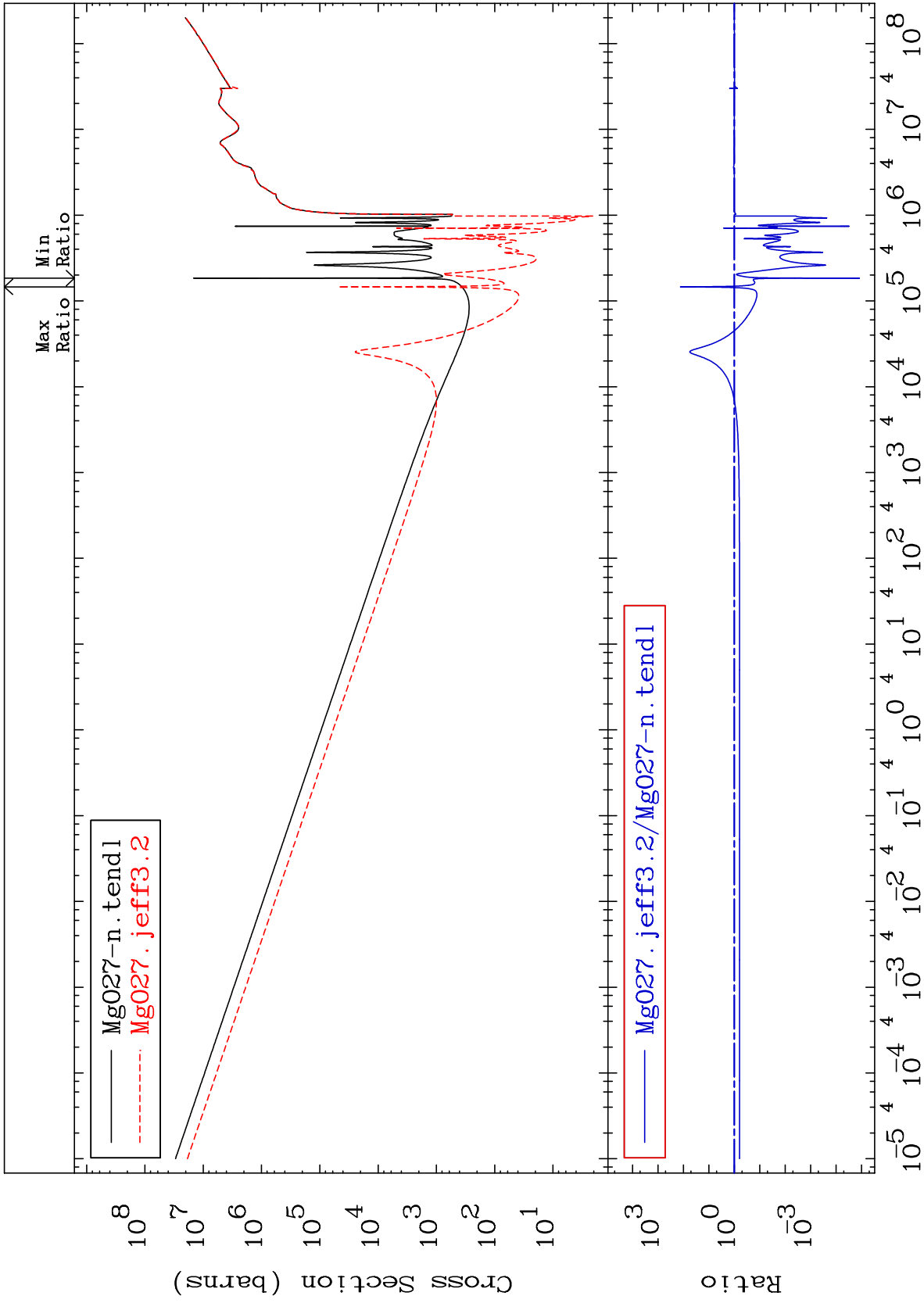


MAT 1234

Kerma elastic  
Cross Section

12-Mg-27  
-93.76 To 3651. %

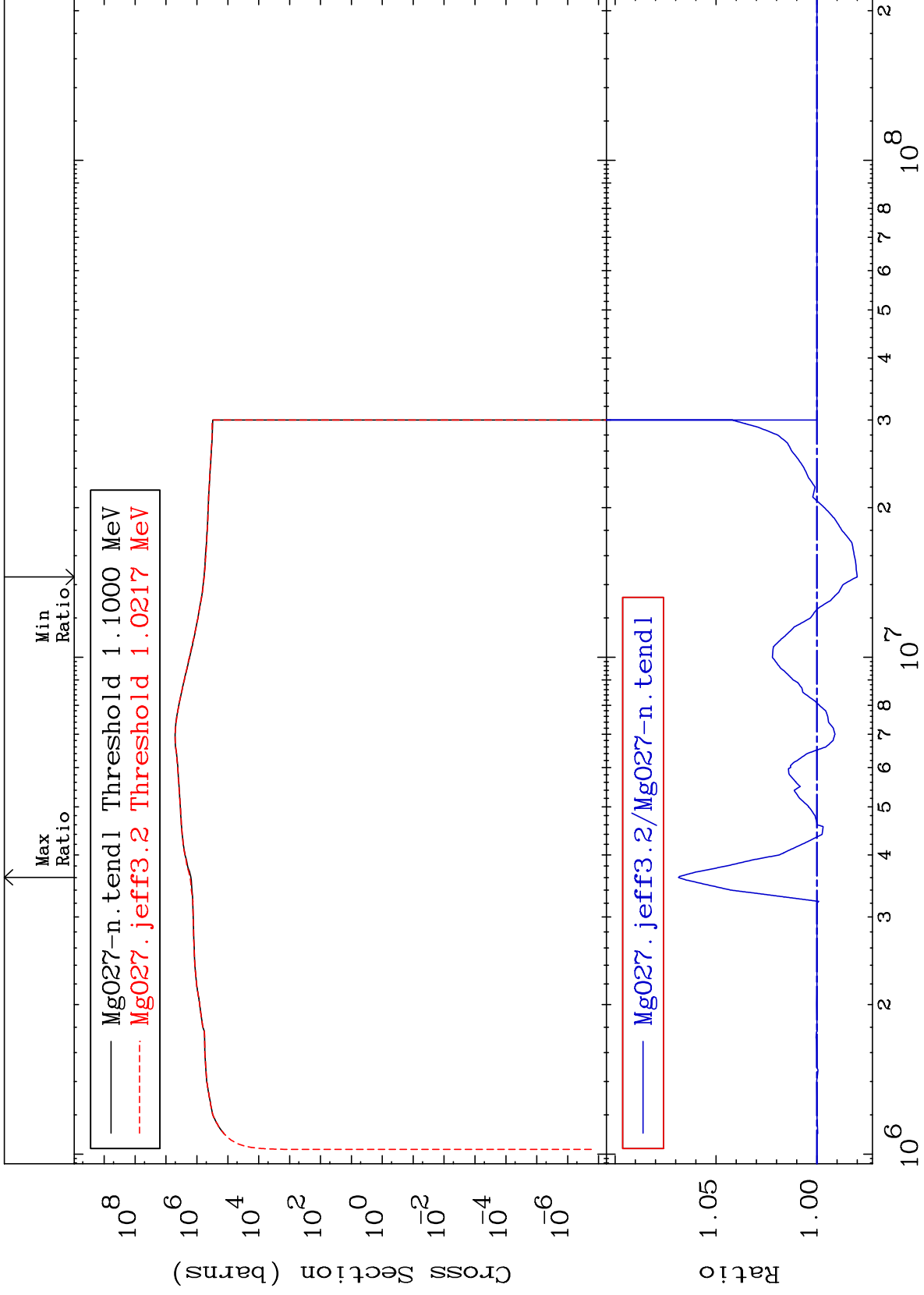




MAT 1234

Kerma inelastic (mt51-91)  
Cross Section

12-Mg-27  
-2.000 To 6.856 %



67

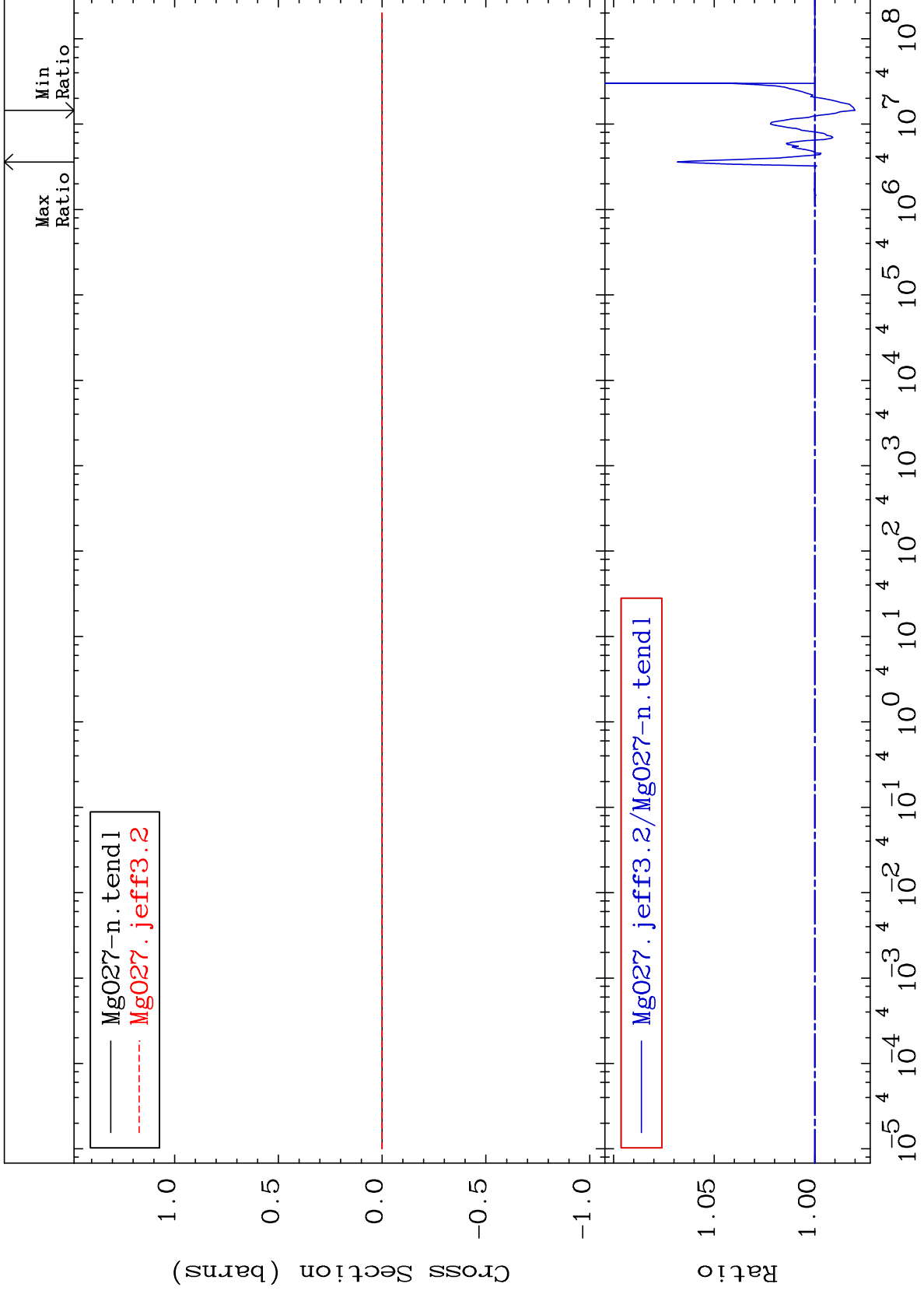
Incident Energy (eV)

12-Mg-27

MAT 1234

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

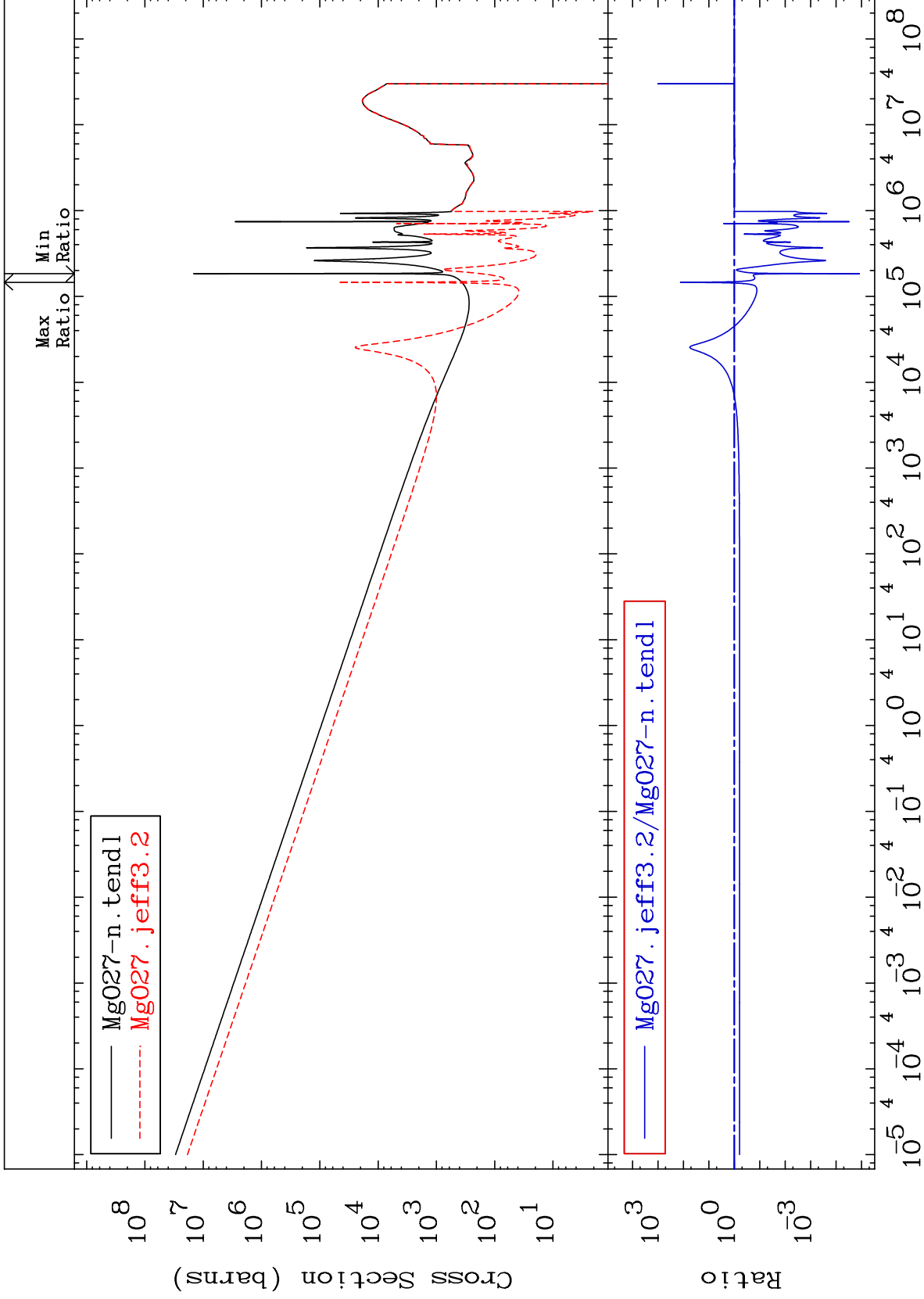
12-Mg-27  
-2.000 To 6.856 %



MAT 1234

Kerma capture (mt102)  
Cross Section

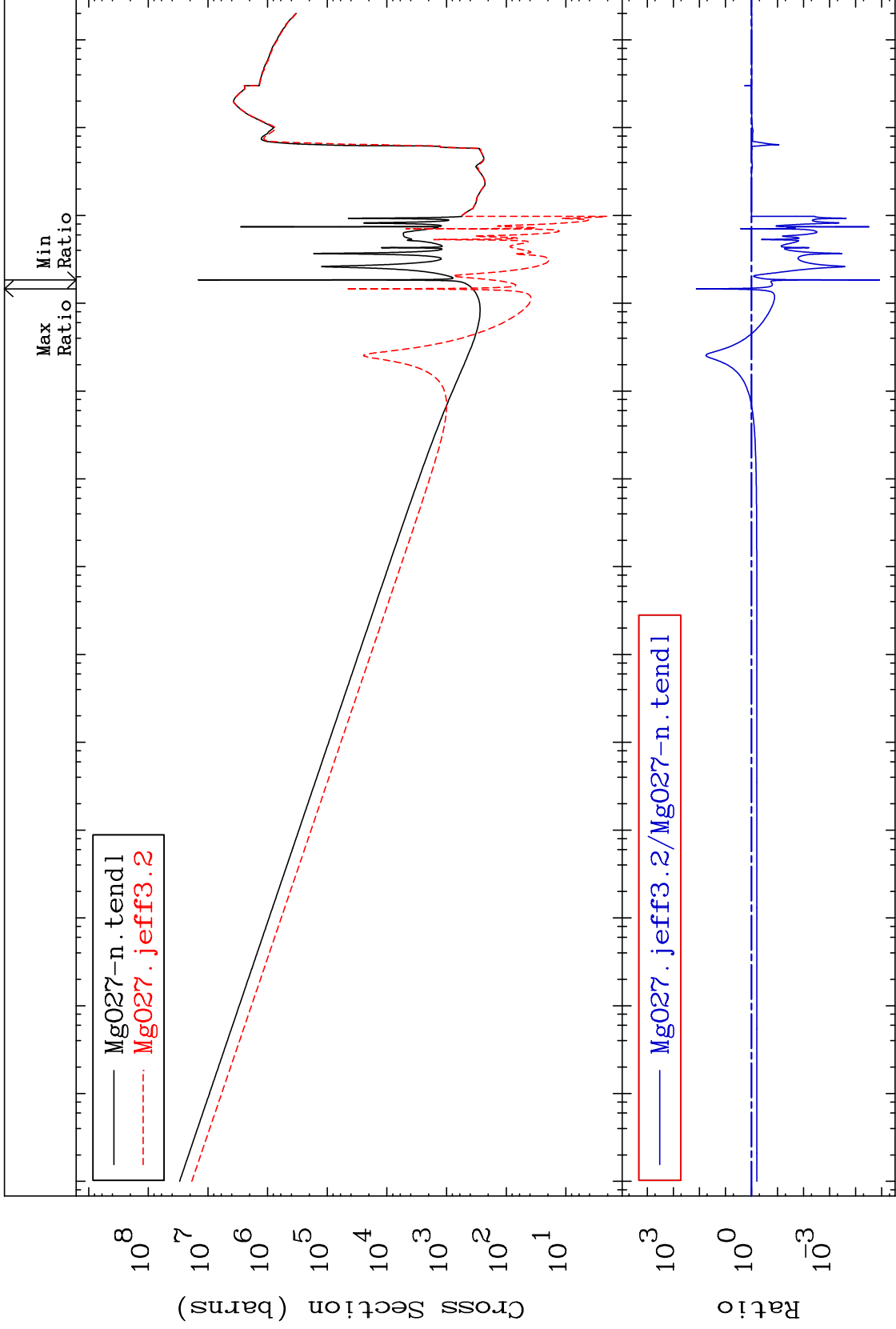
12-Mg-27  
-100.0 To 9999. %



MAT 1234

Total photon (eV-barns)  
Cross Section

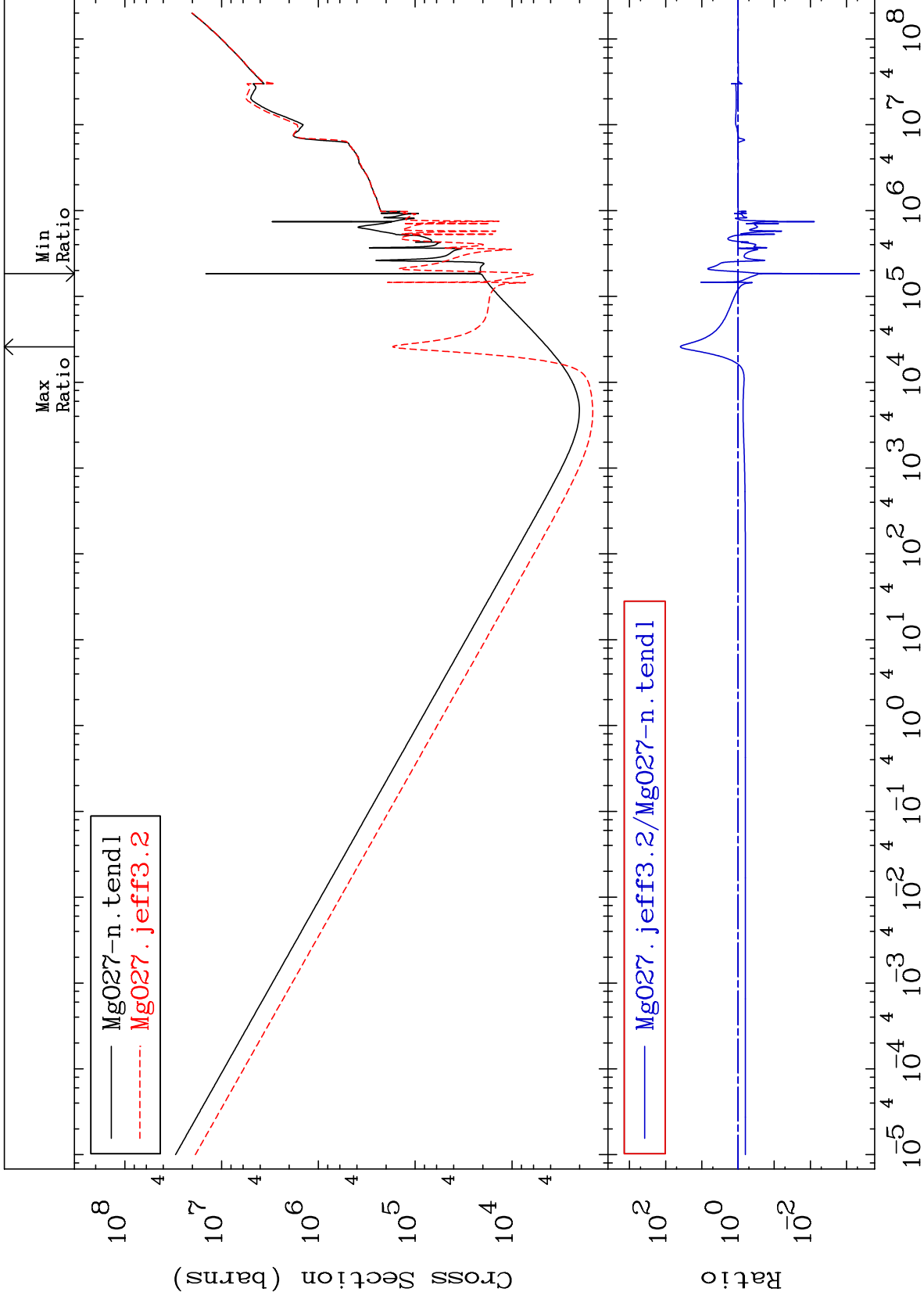
12-Mg-27  
-100.0 To 9999. %



70

Incident Energy (eV)

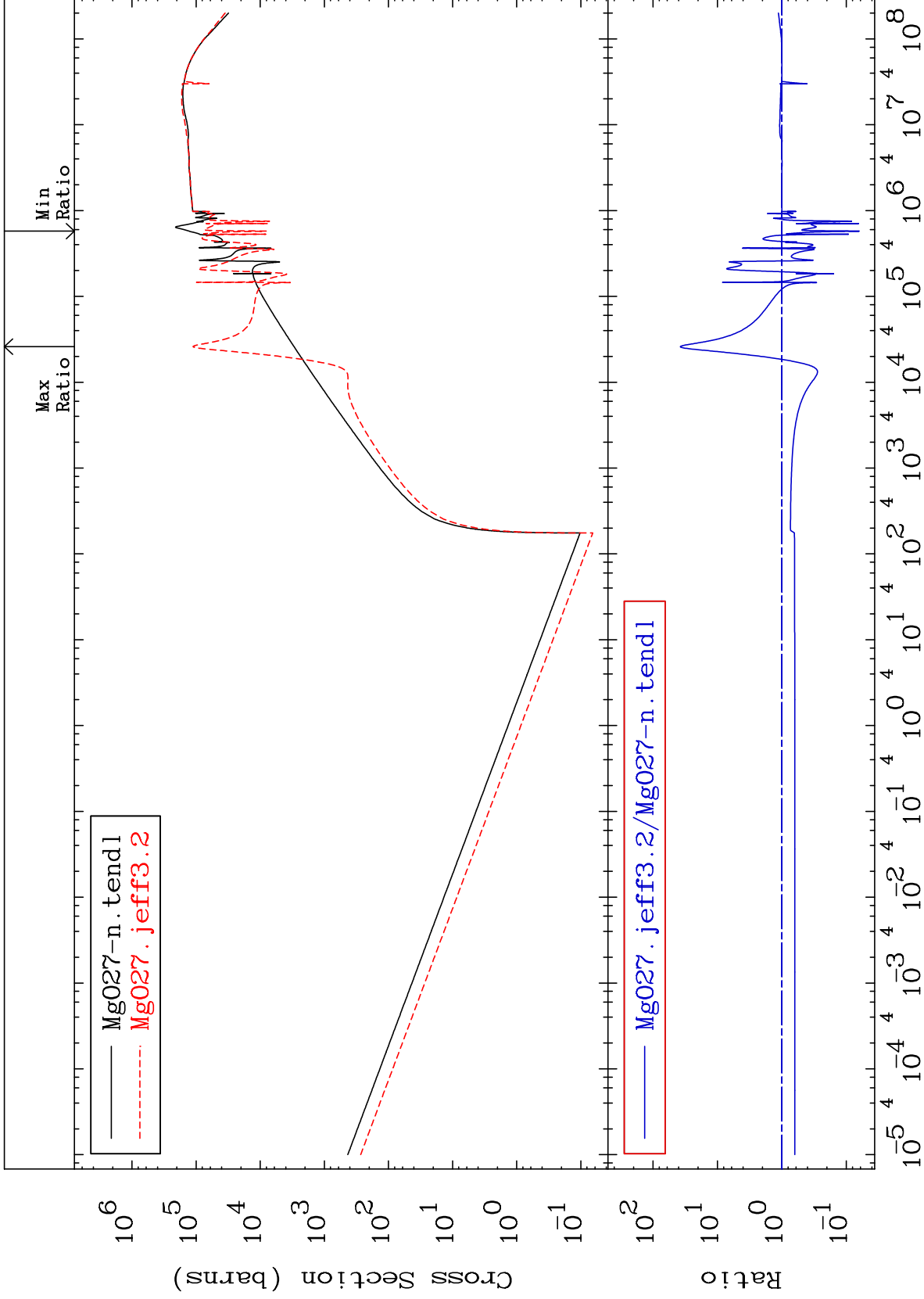
12-Mg-27



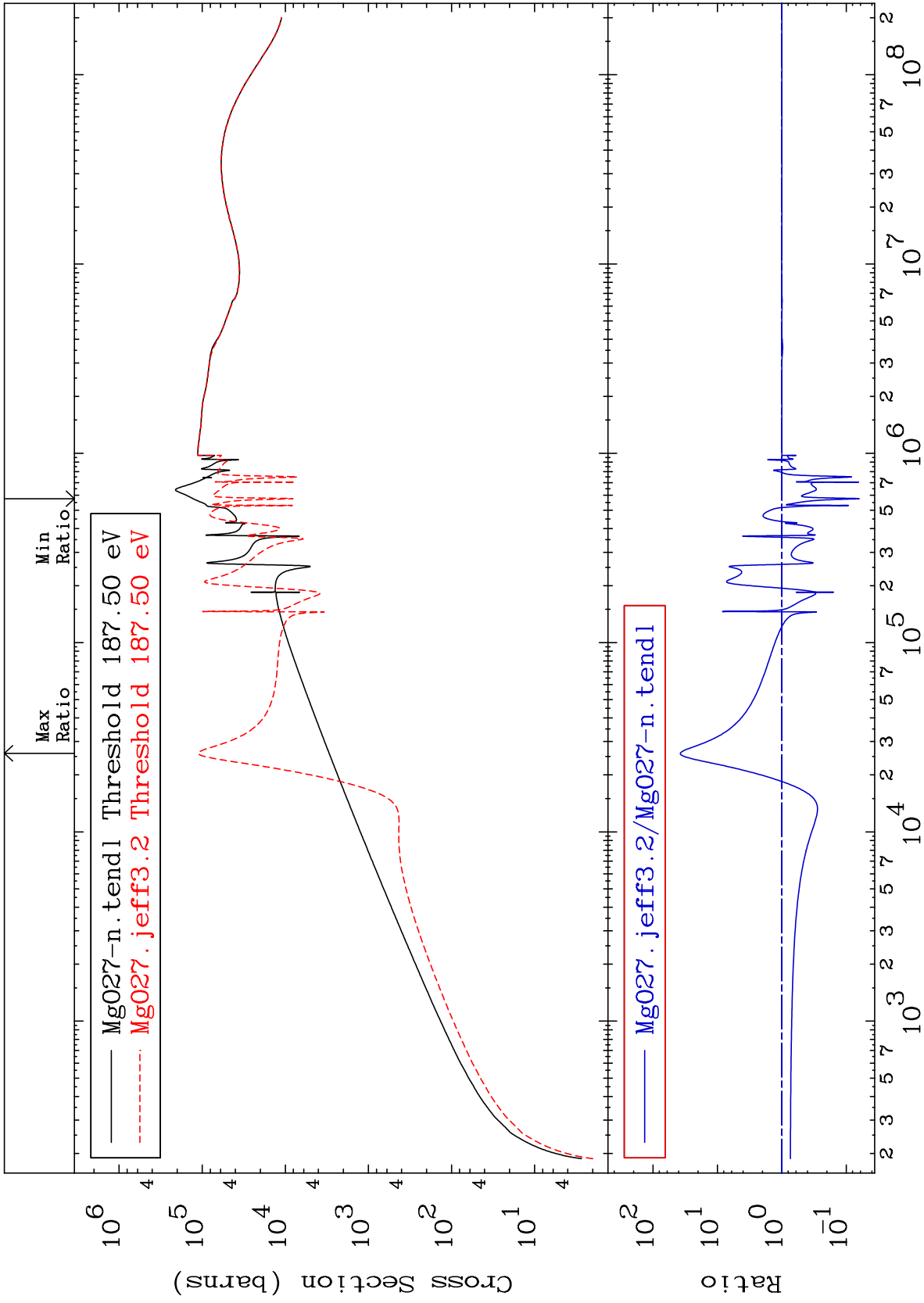
MAT 1234

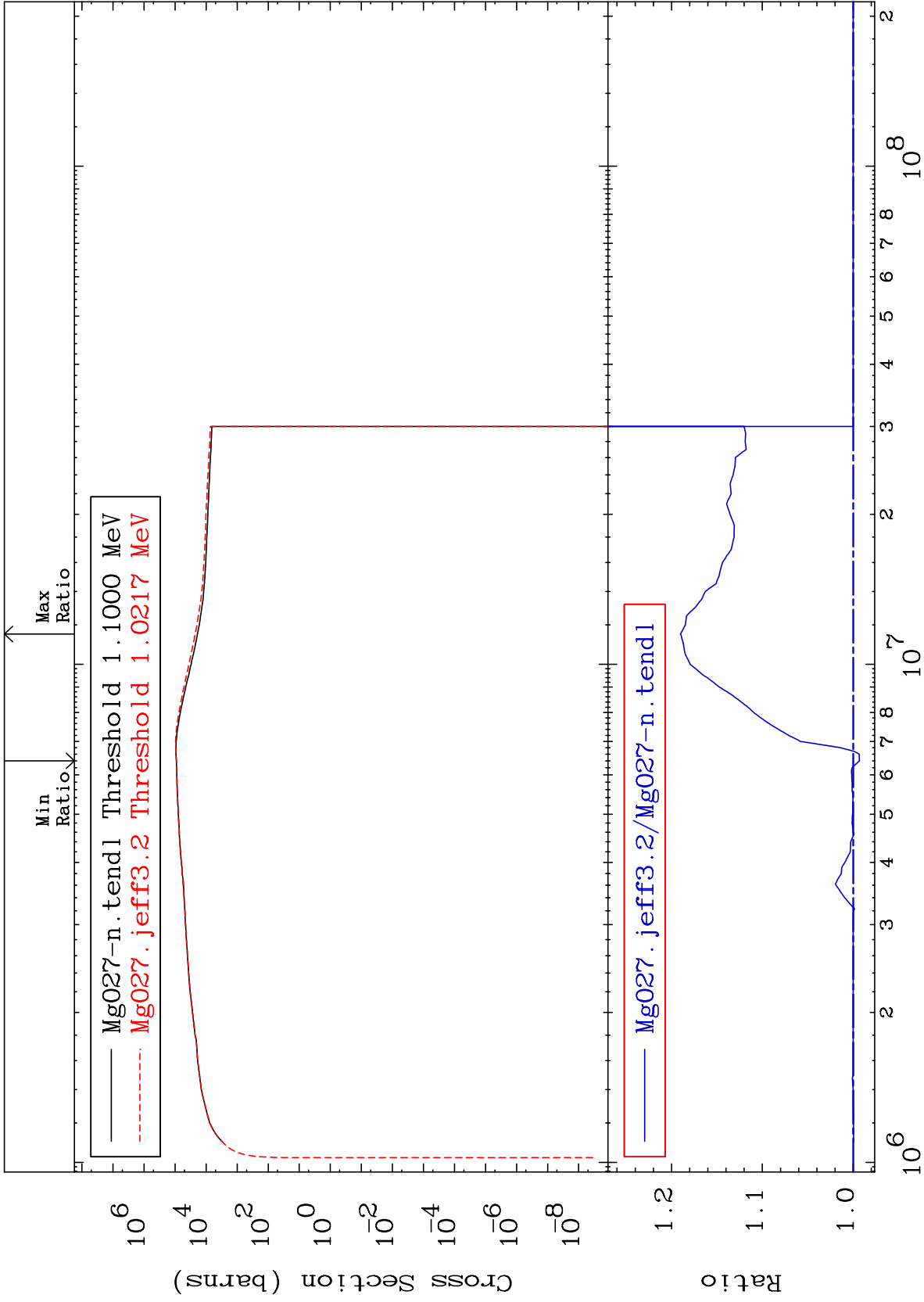
Dpa total (eV-barns)  
Cross Section

12-Mg-27  
-93.76 To 3651. %





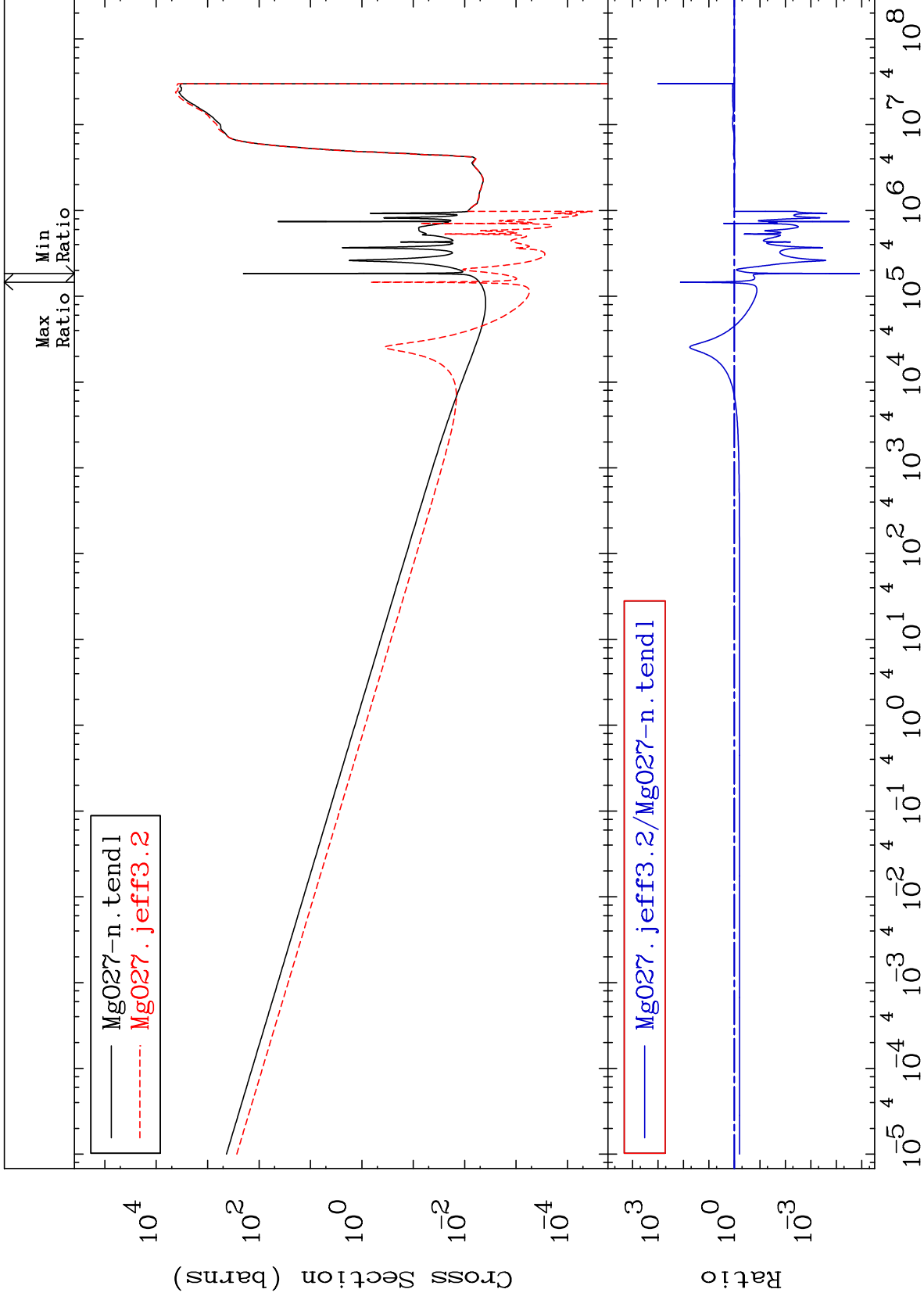




MAT 1234

Dpa disappearance (mt102 -120)  
Cross Section

12-Mg-27  
-100.0 To 9999. %



75

Incident Energy (eV)

12-Mg-27