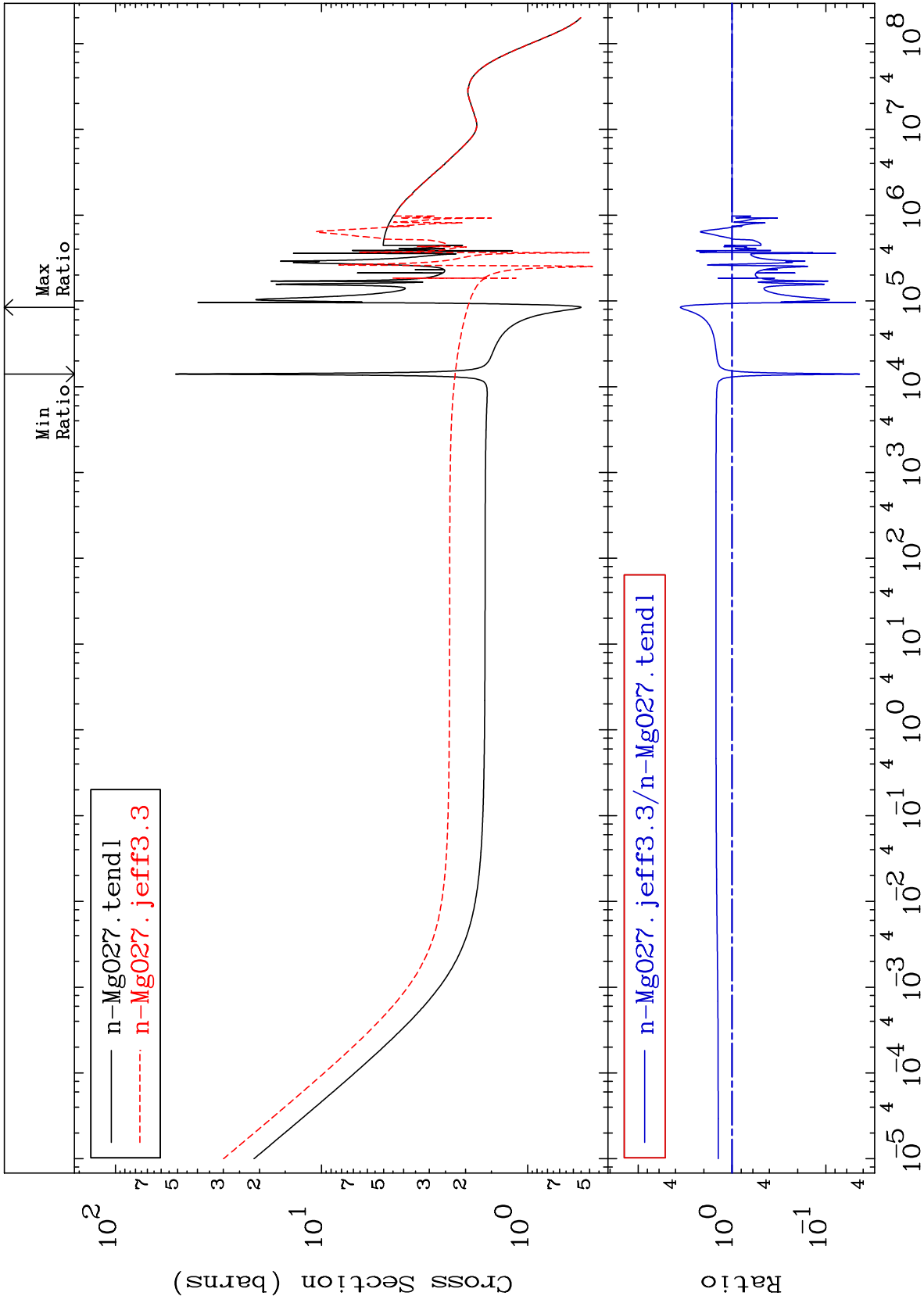


MAT 1234

Total
Cross Section

12-Mg-27
-95.61 To 255.6 %



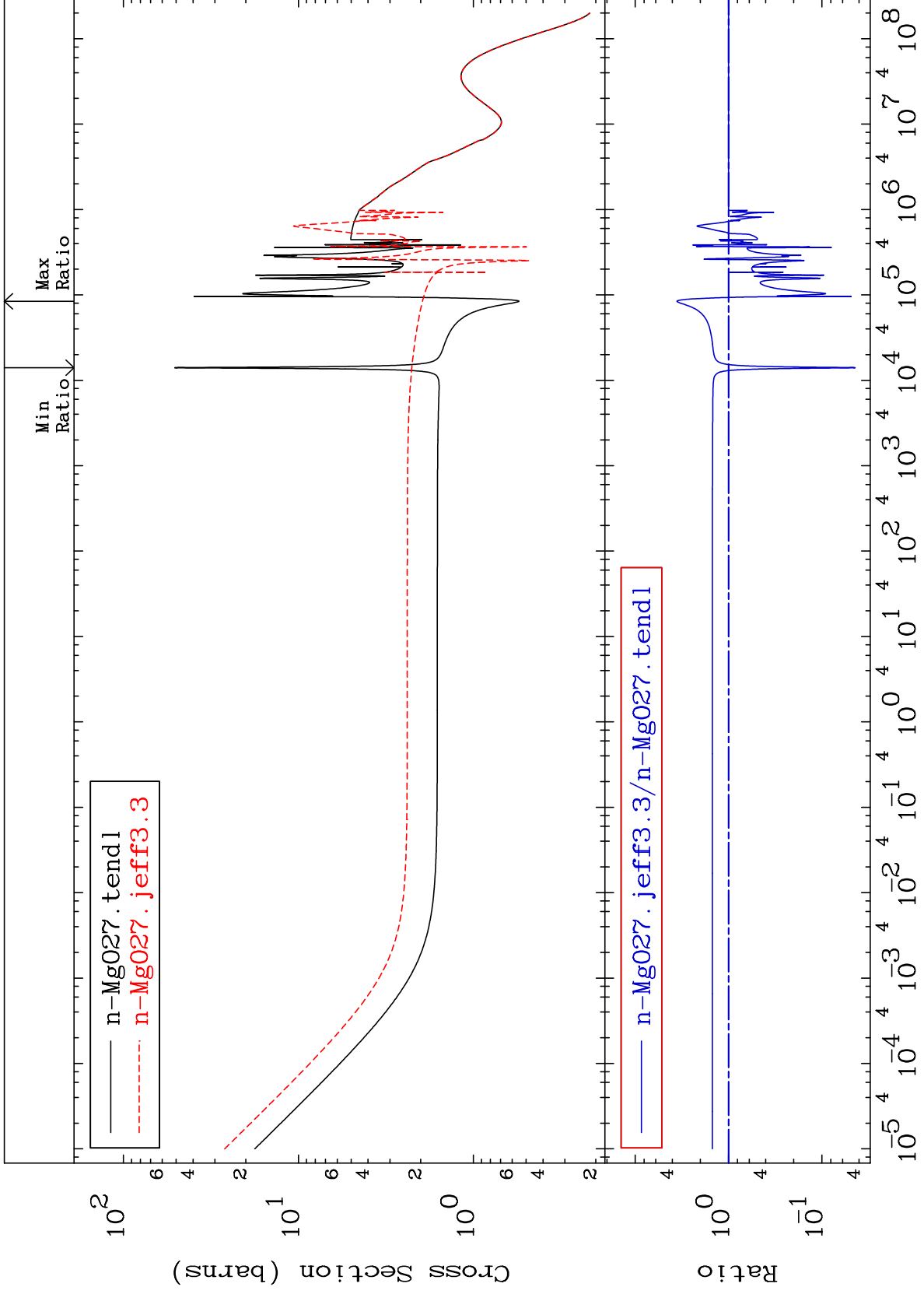
Incident Energy (eV)

12-Mg-27

MAT 1234

Elastic
Cross Section

12-Mg-27
-95.59 To 256.4 %



Incident Energy (eV)

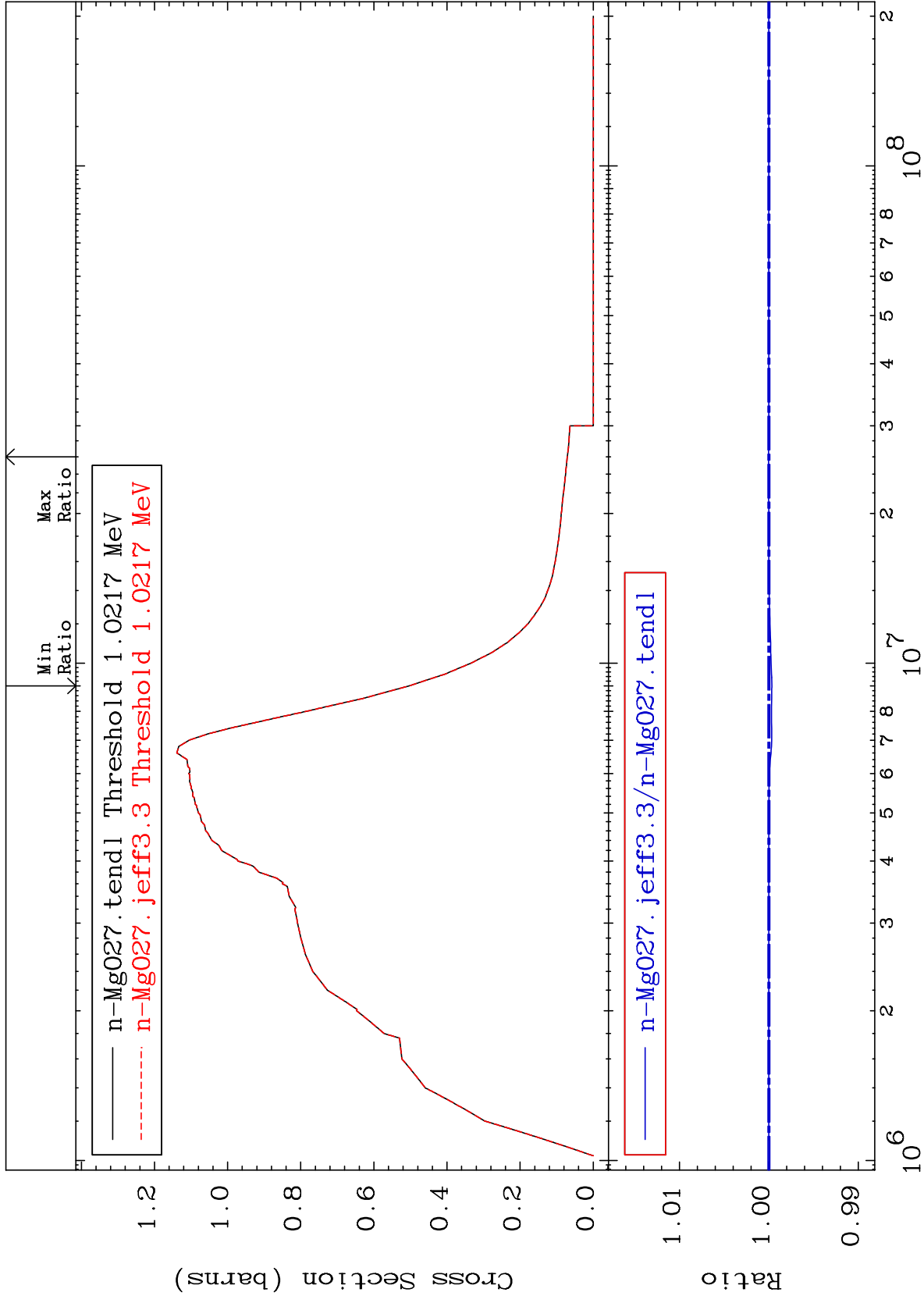
12-Mg-27

MAT 1234

12-Mg-27

-0.033 To 0.004 %

Inelastic
Cross Section



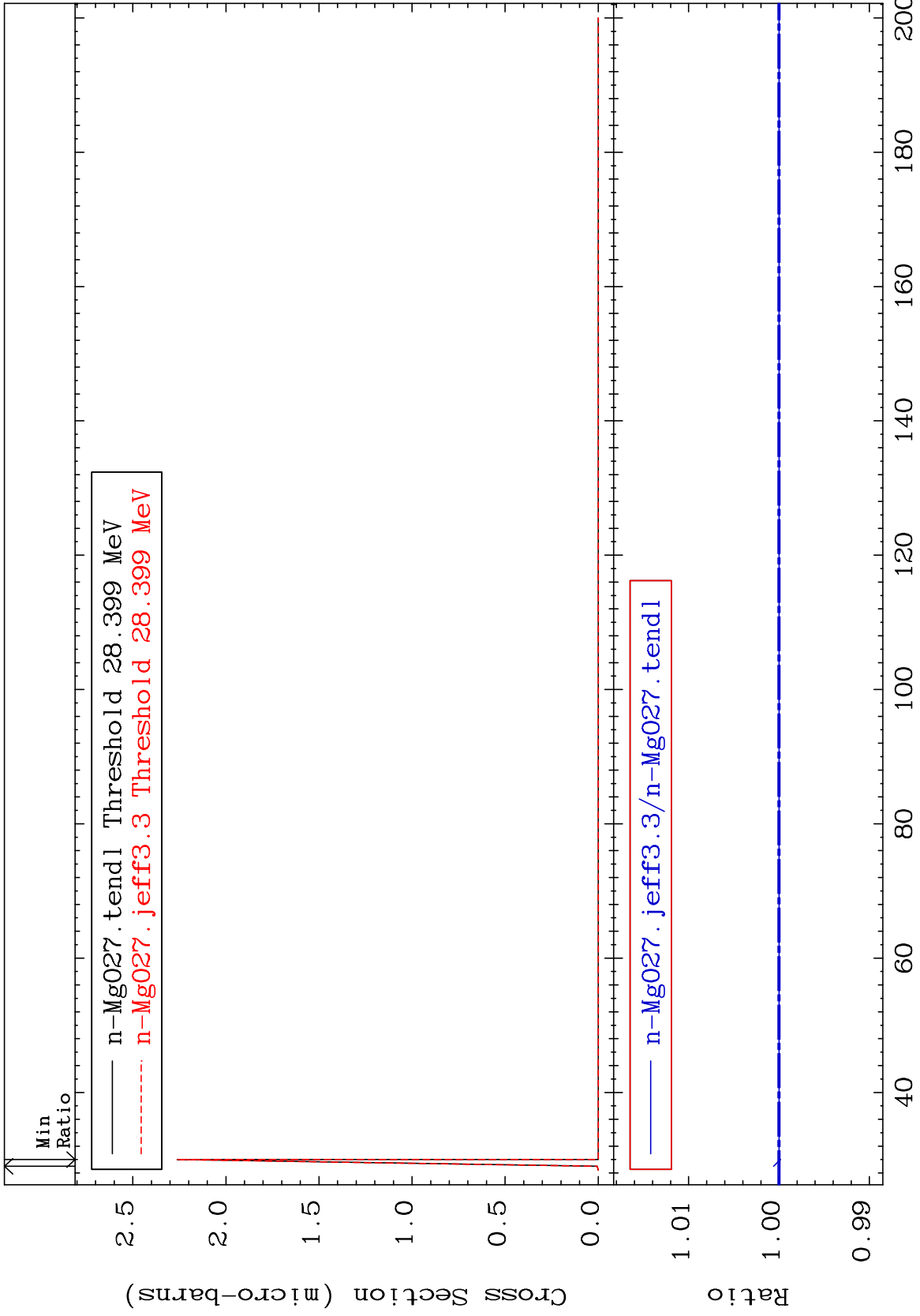
Incident Energy (eV)

12-Mg-27

MAT 1234

(n,2n) d
Cross Section

12-Mg-27
-0.017 To 0.059 %



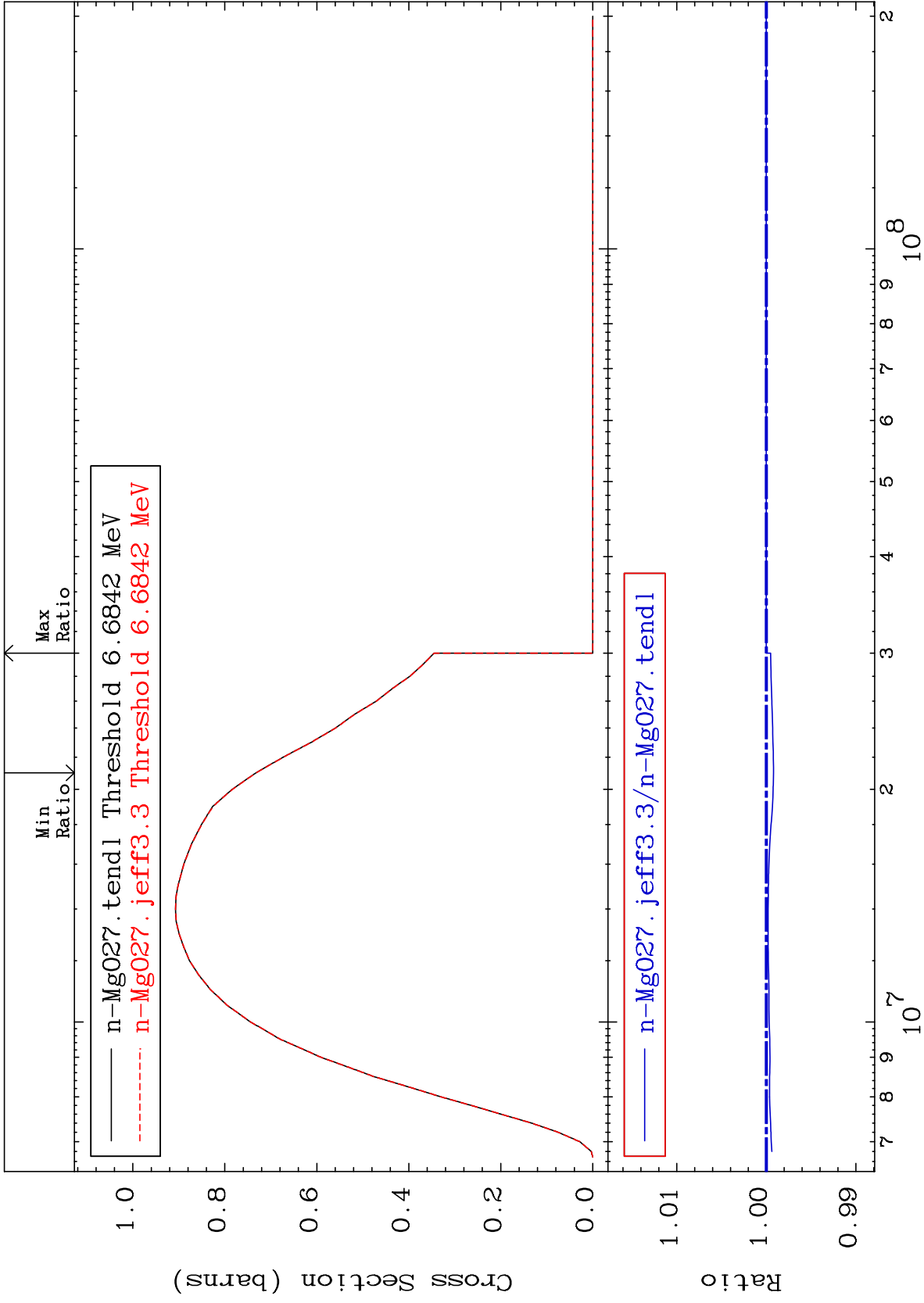
MAT 1234

(n,2n)

12-Mg-27

Cross Section

-0.080 To 0.000 %



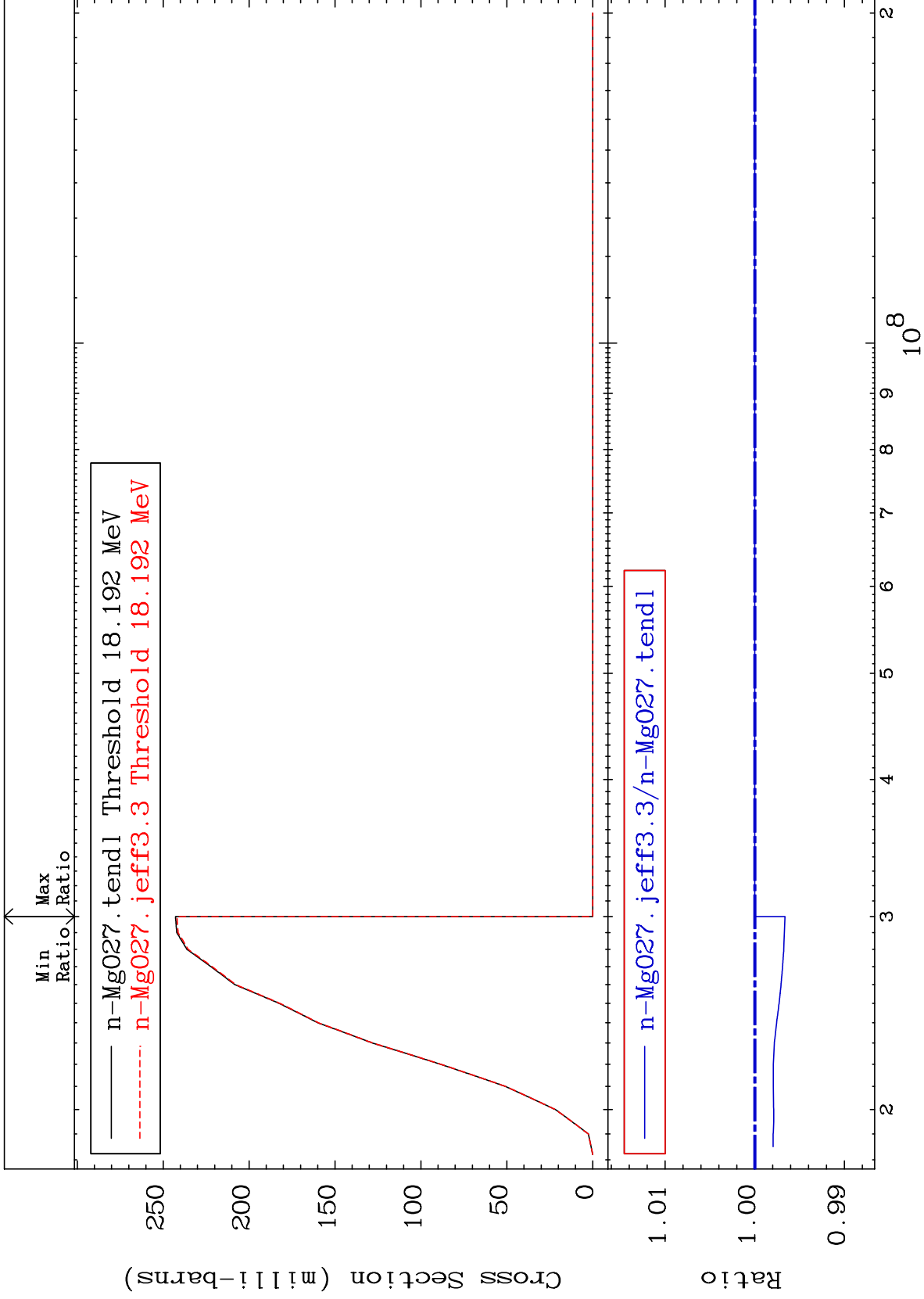
MAT 1234

(n,3n)

12-Mg-27

Cross Section

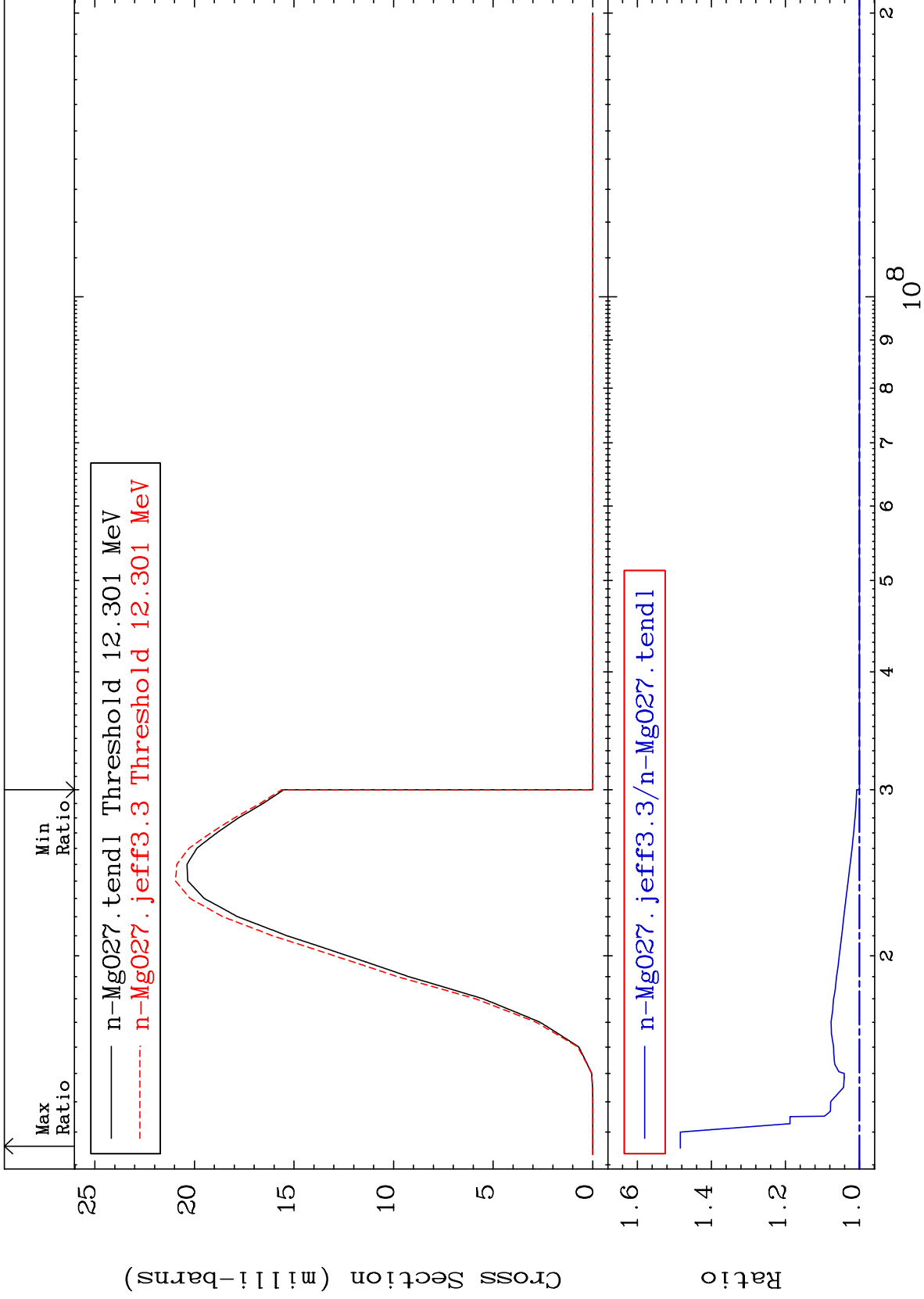
-0.336 To 0.000 %



MAT 1234

(n,n') α
Cross Section

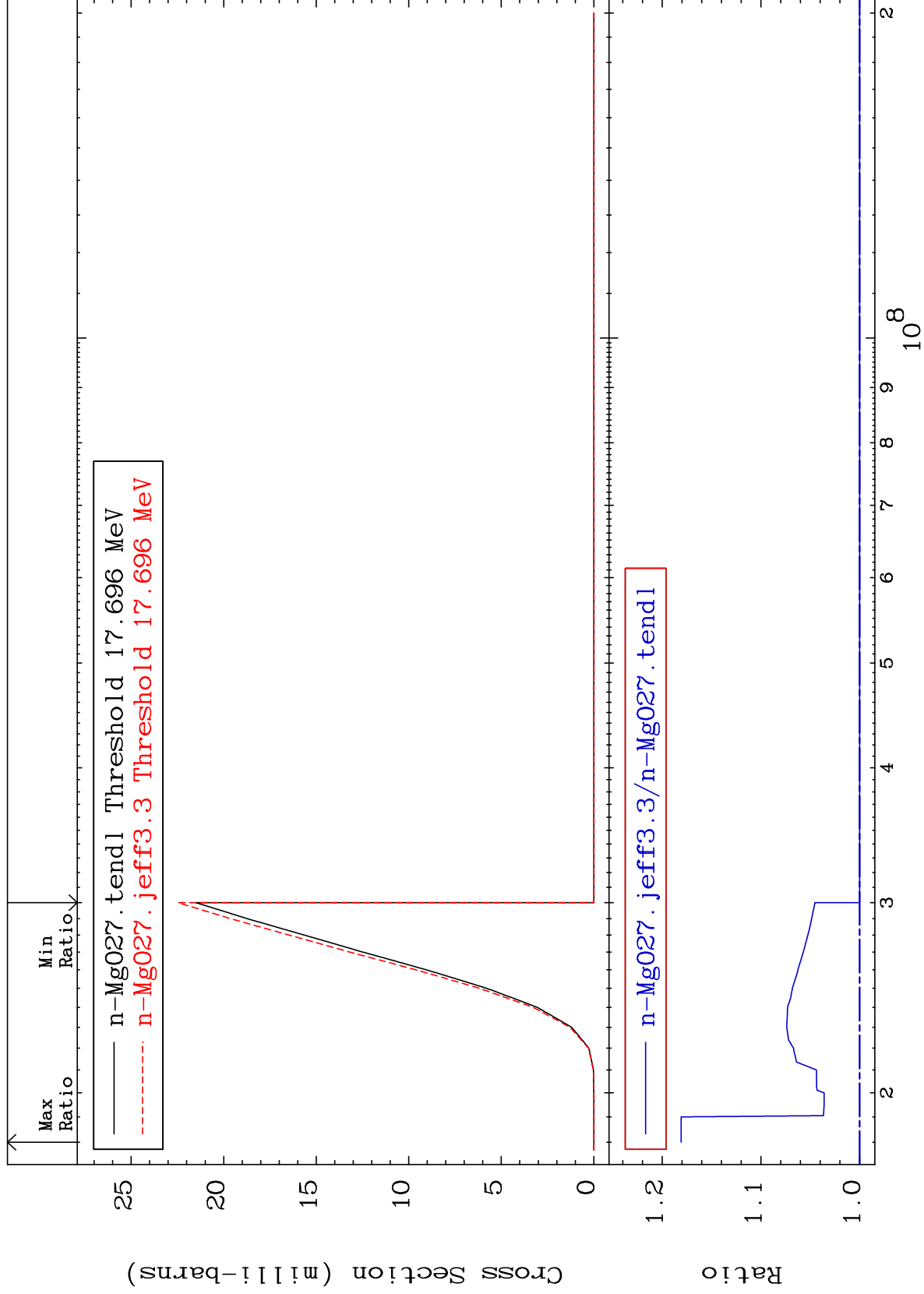
12-Mg-27
0.000 To 48.37 %



MAT 1234

(n,2n) α
Cross Section

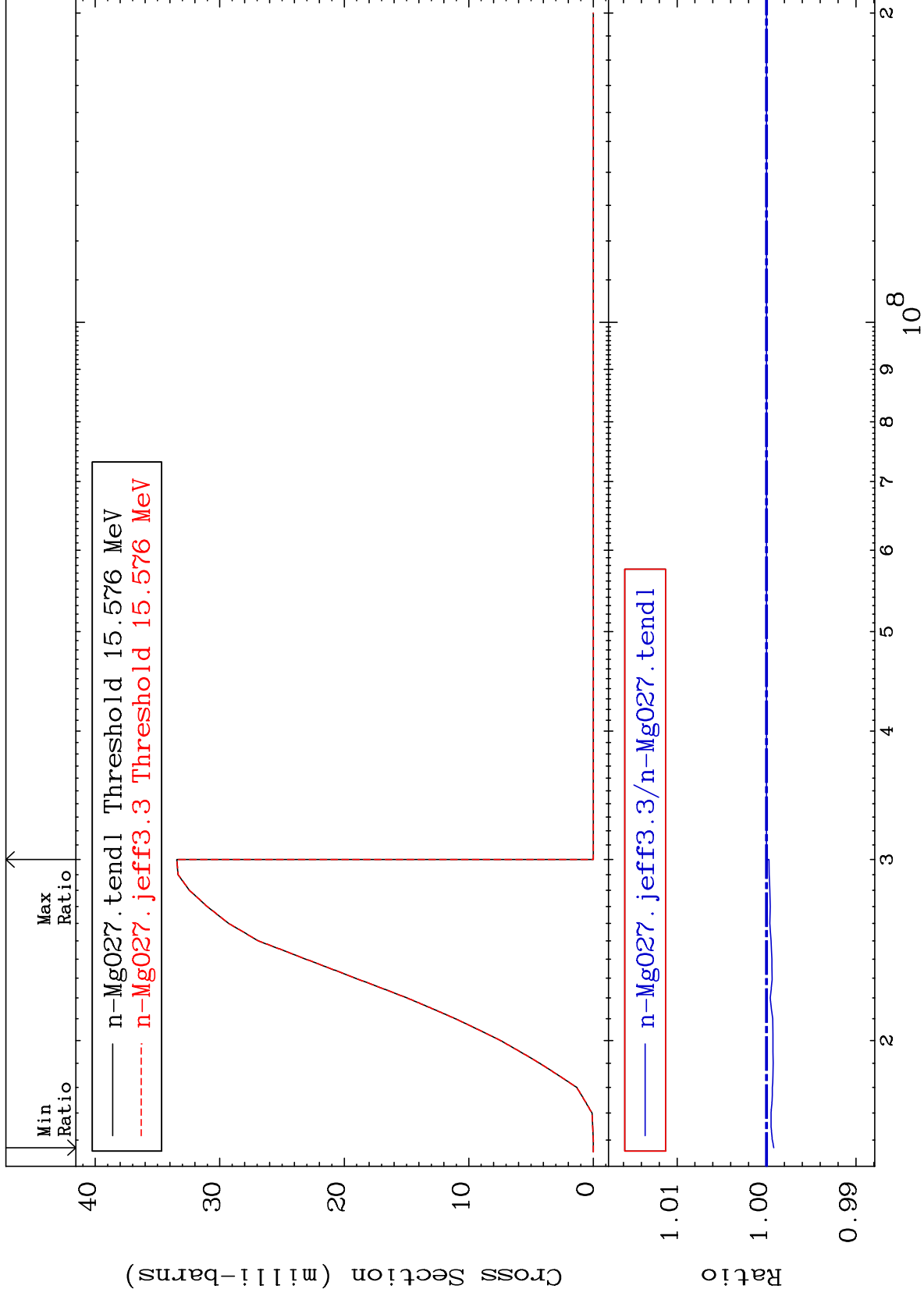
12-Mg-27
To 18.08 %
0.000



MAT 1234

(n,n') p
Cross Section

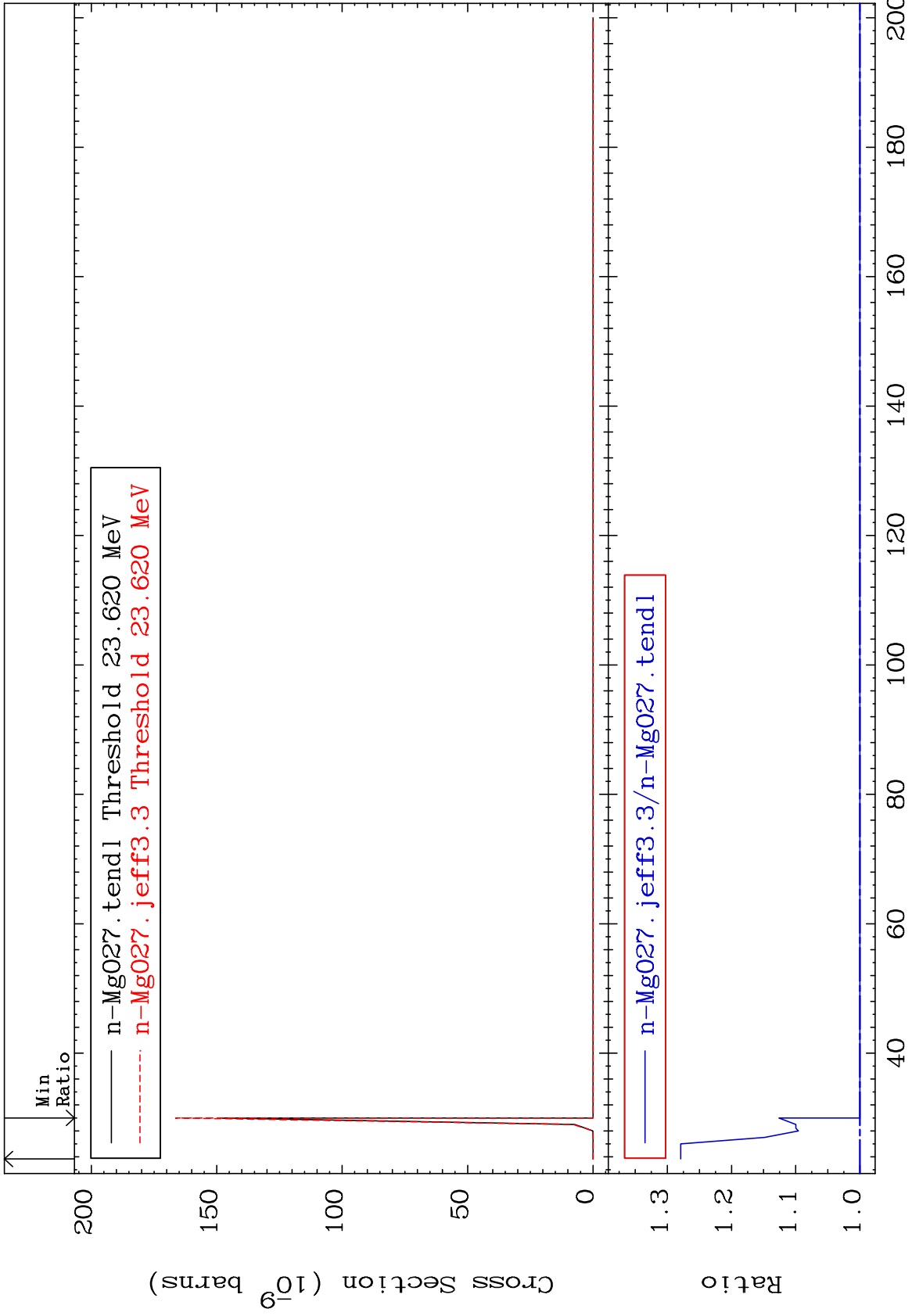
12-Mg-27
-0.082 To 0.000 %



MAT 1234

(n, n') 2α
Cross Section

12-Mg-27
To 27.91 %
0.000



10

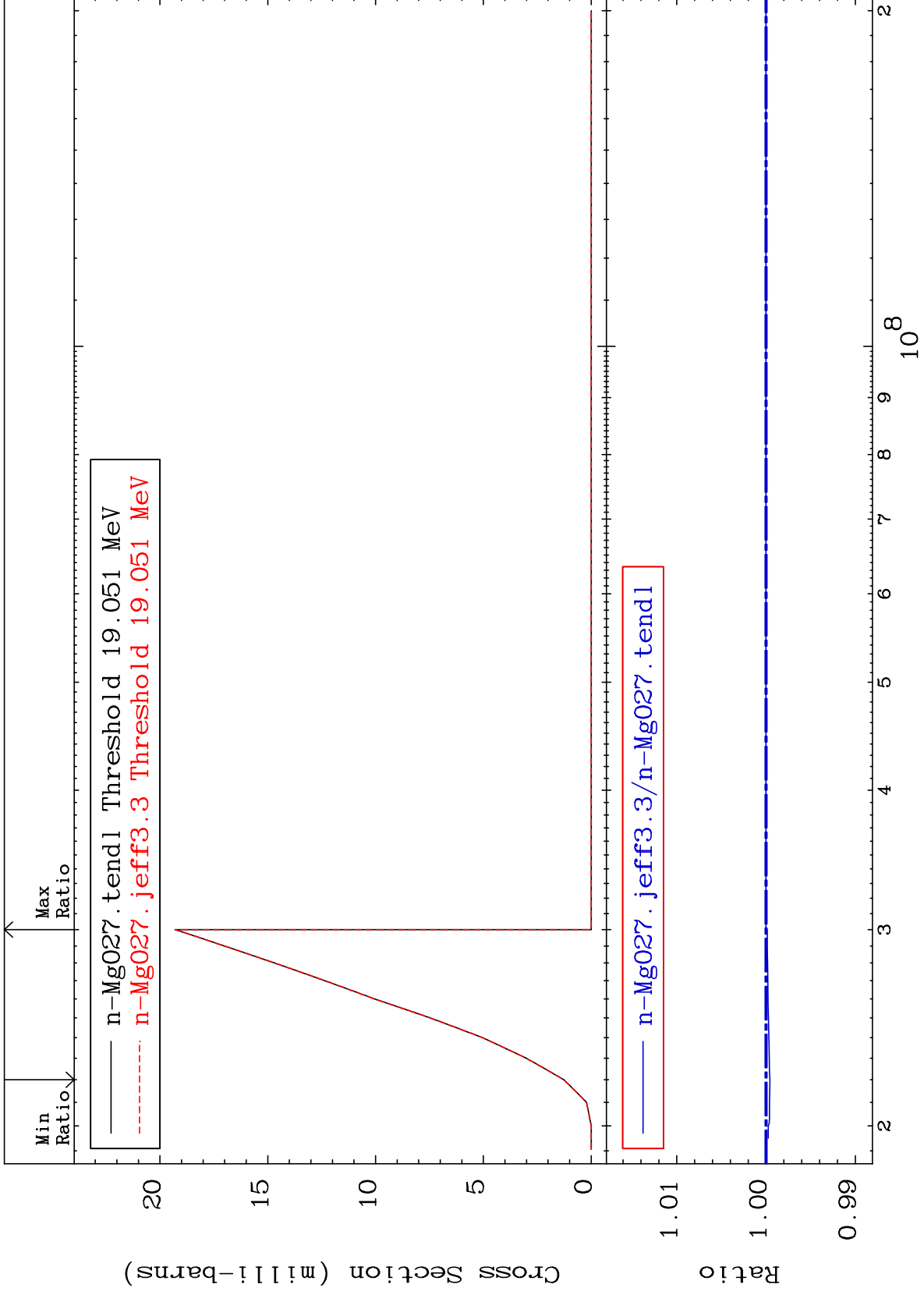
Incident Energy (MeV)

12-Mg-27

MAT 1234

(n,n') d
Cross Section

12-Mg-27
-0.043 To 0.000 %



11

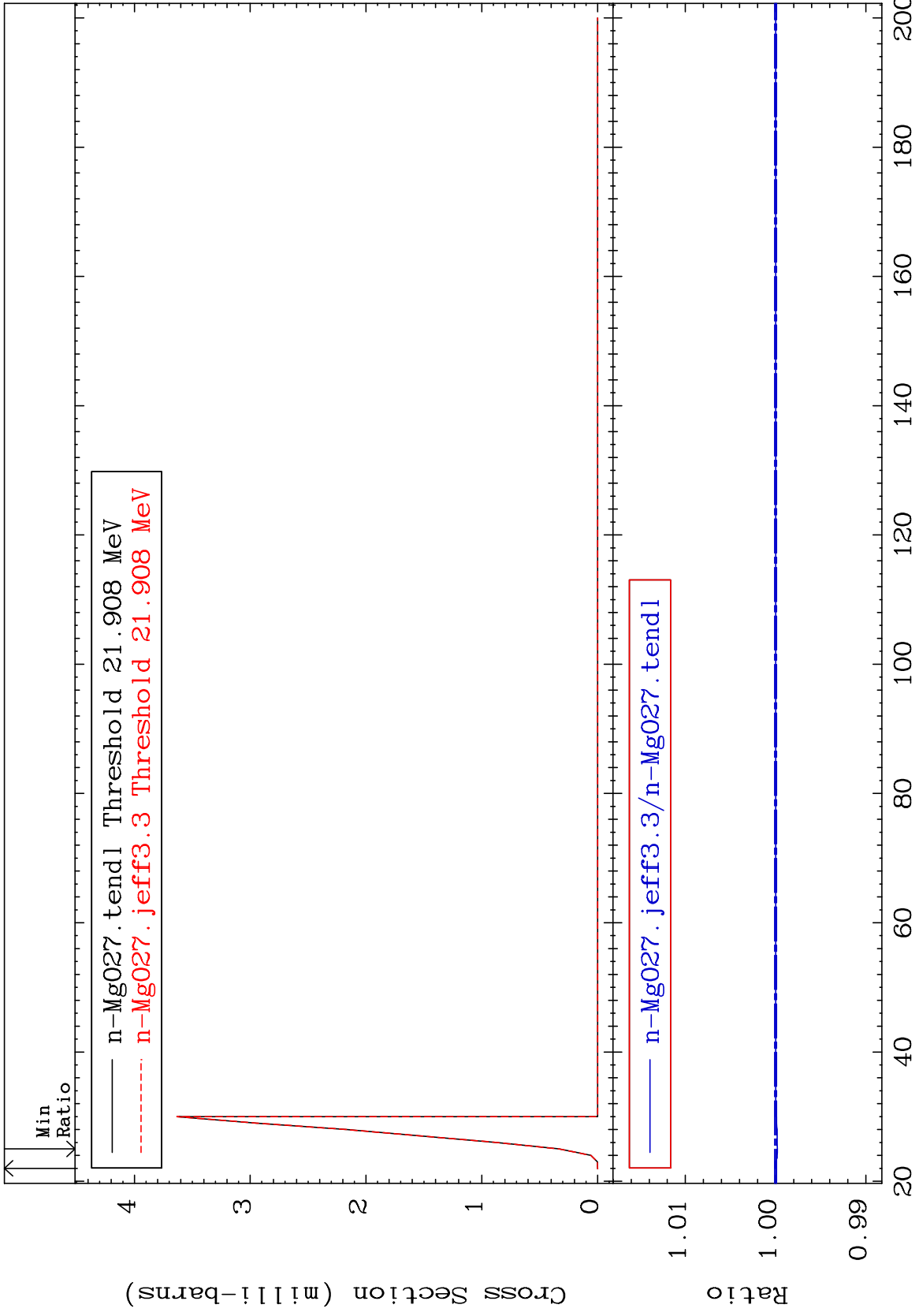
Incident Energy (eV)

12-Mg-27

MAT 1234

(n,n') t
Cross Section

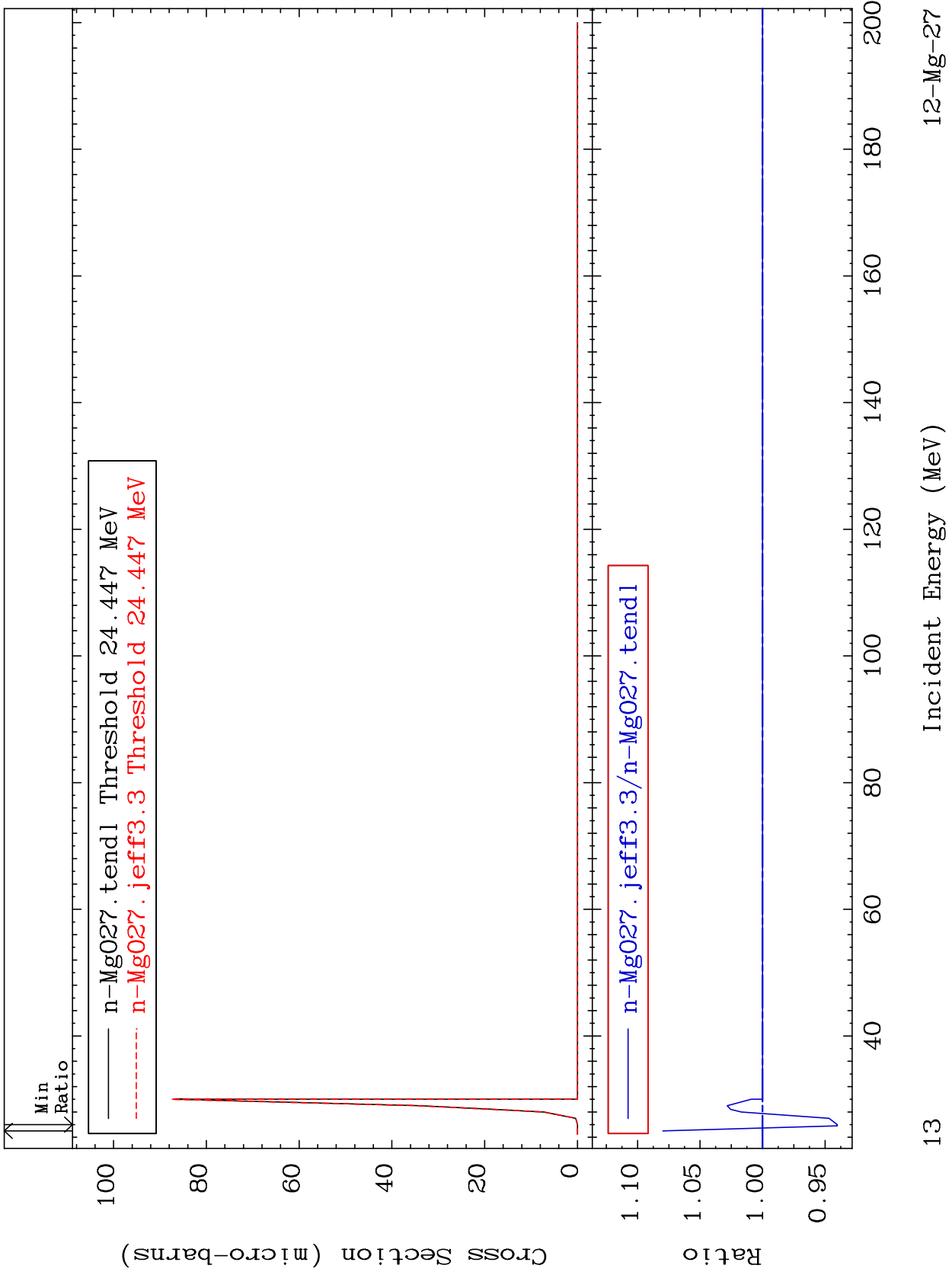
12-Mg-27
-0.019 To 0.006 %



MAT 1234

(n, n') He-3
Cross Section

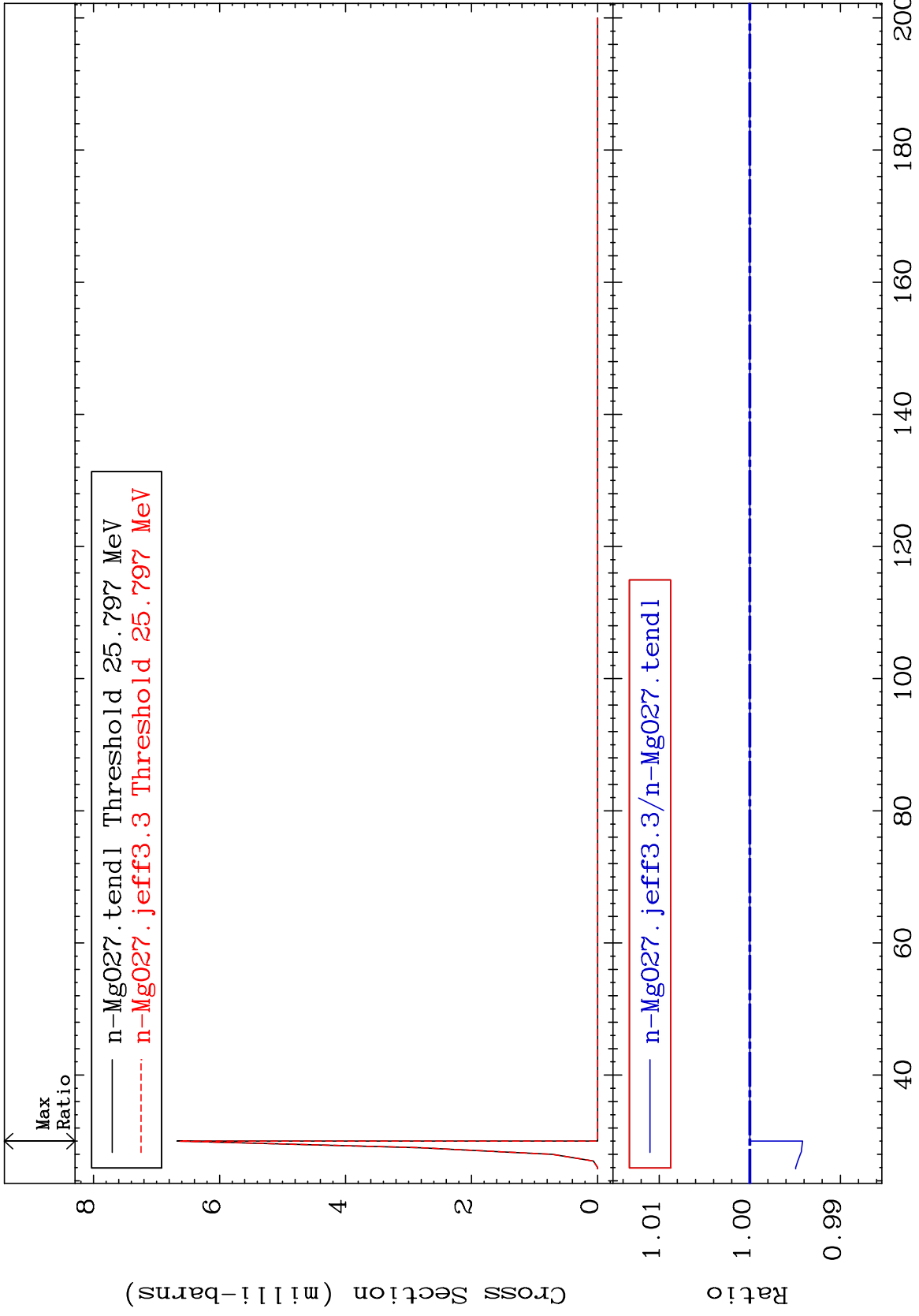
12-Mg-27
-5.980 To 7.978 %



MAT 1234

(n,4n)
Cross Section

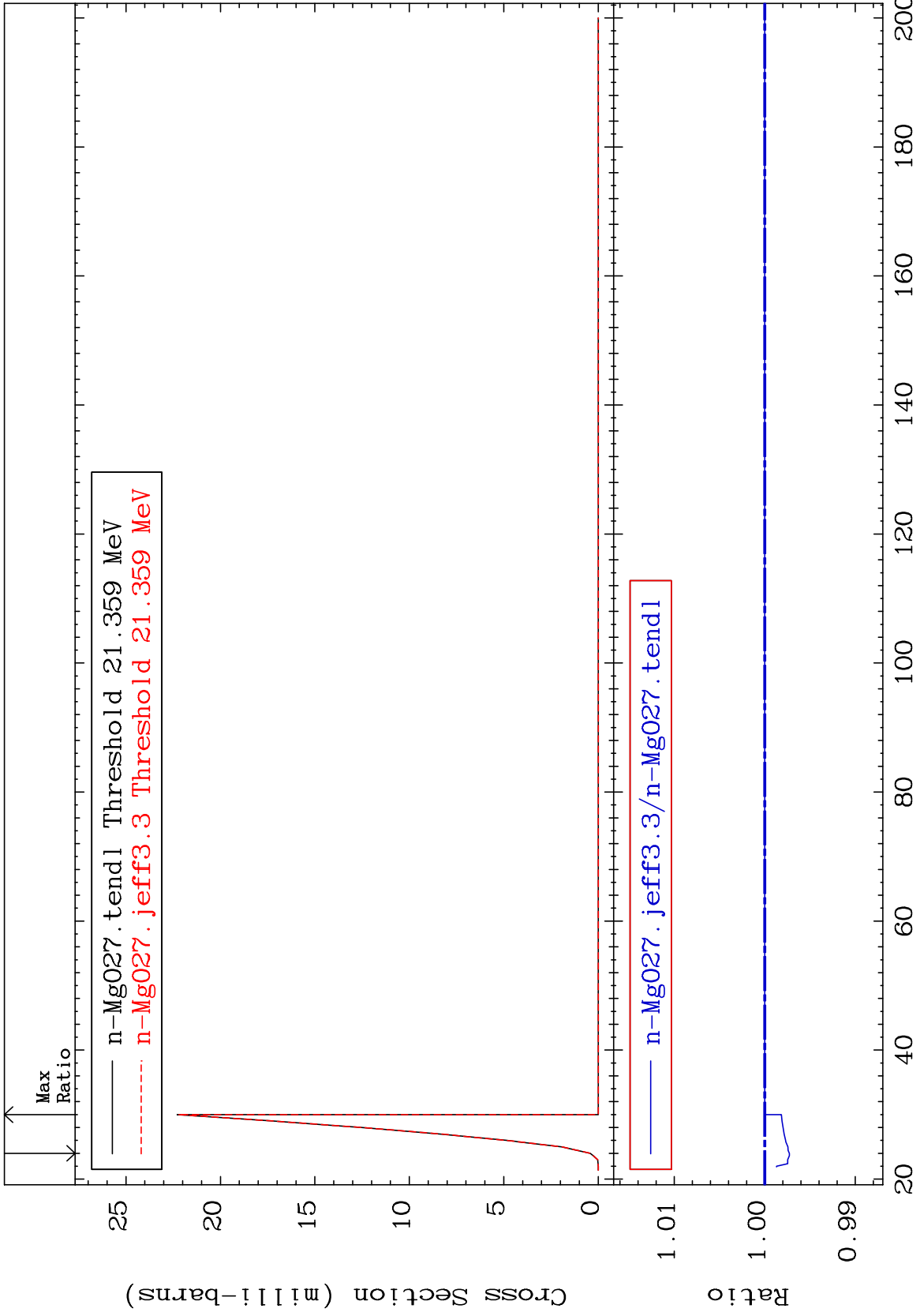
12-Mg-27
-0.584 To 0.000 %



MAT 1234

(n,2n) p
Cross Section

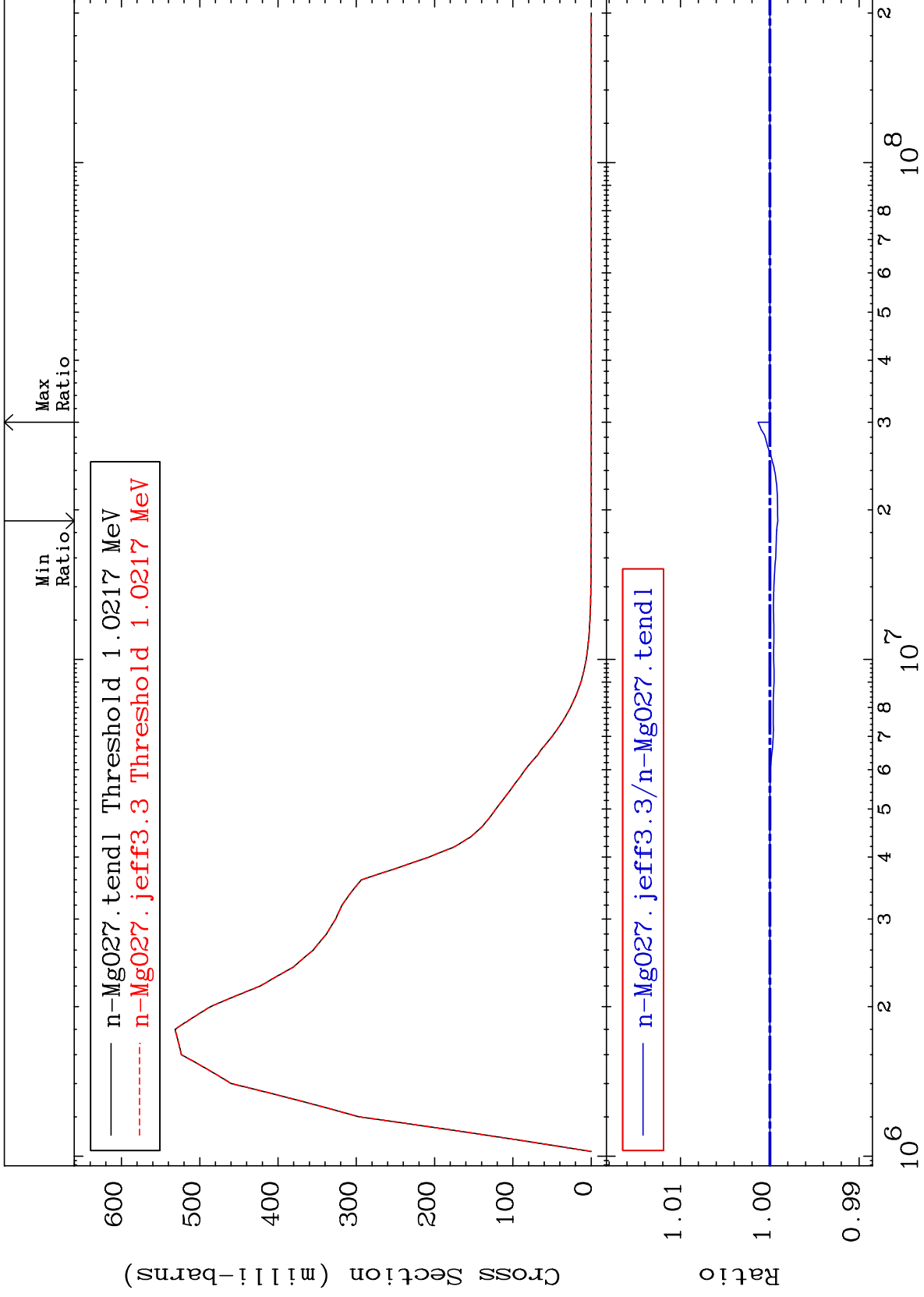
12-Mg-27
-0.273 To 0.000 %



MAT 1234

MT= 51 (n, n') Level
Cross Section

12-Mg-27
-0.089 To 0.131 %



16

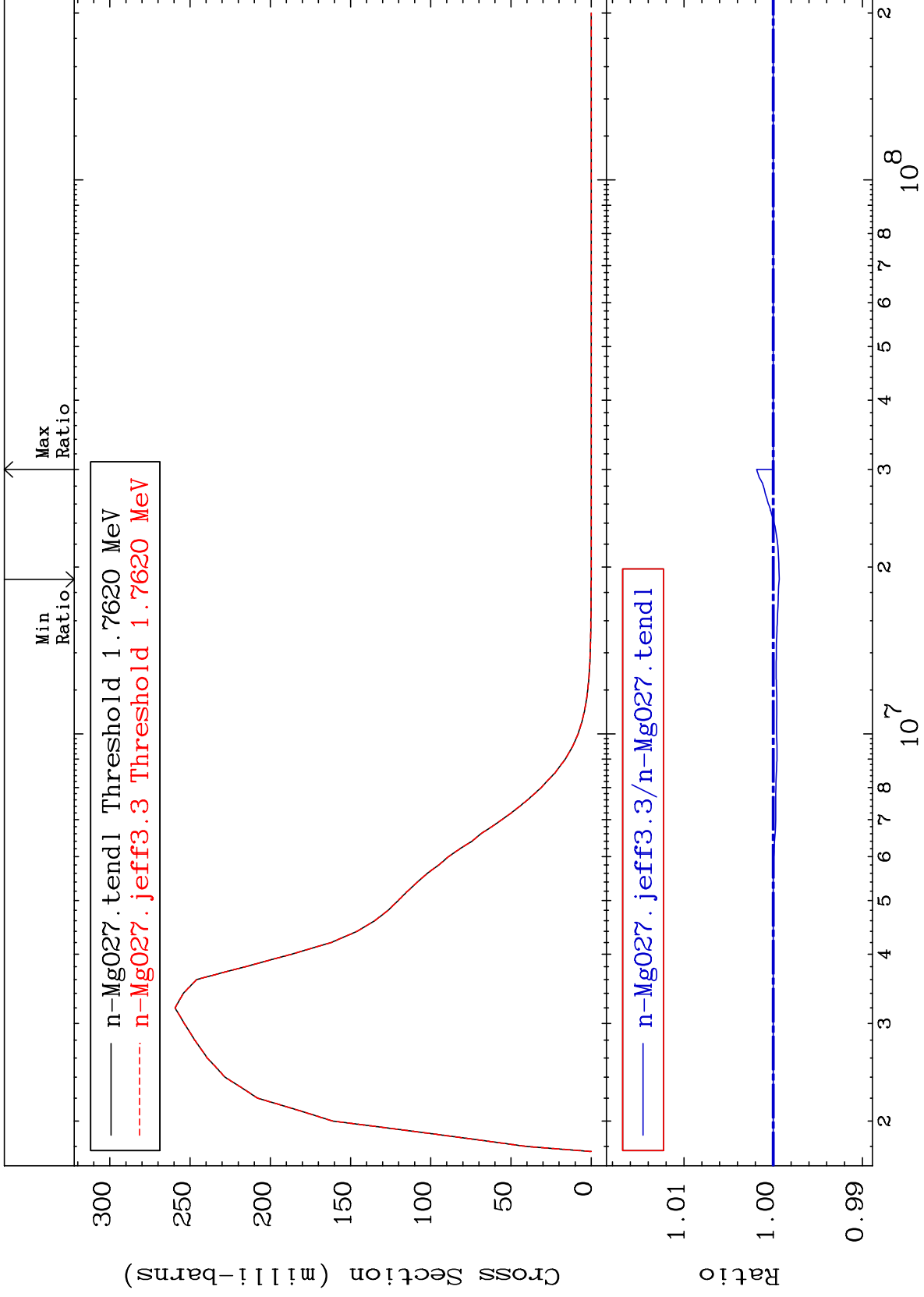
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 52 (n,n') Level
Cross Section

12-Mg-27
-0.068 To 0.186 %



17

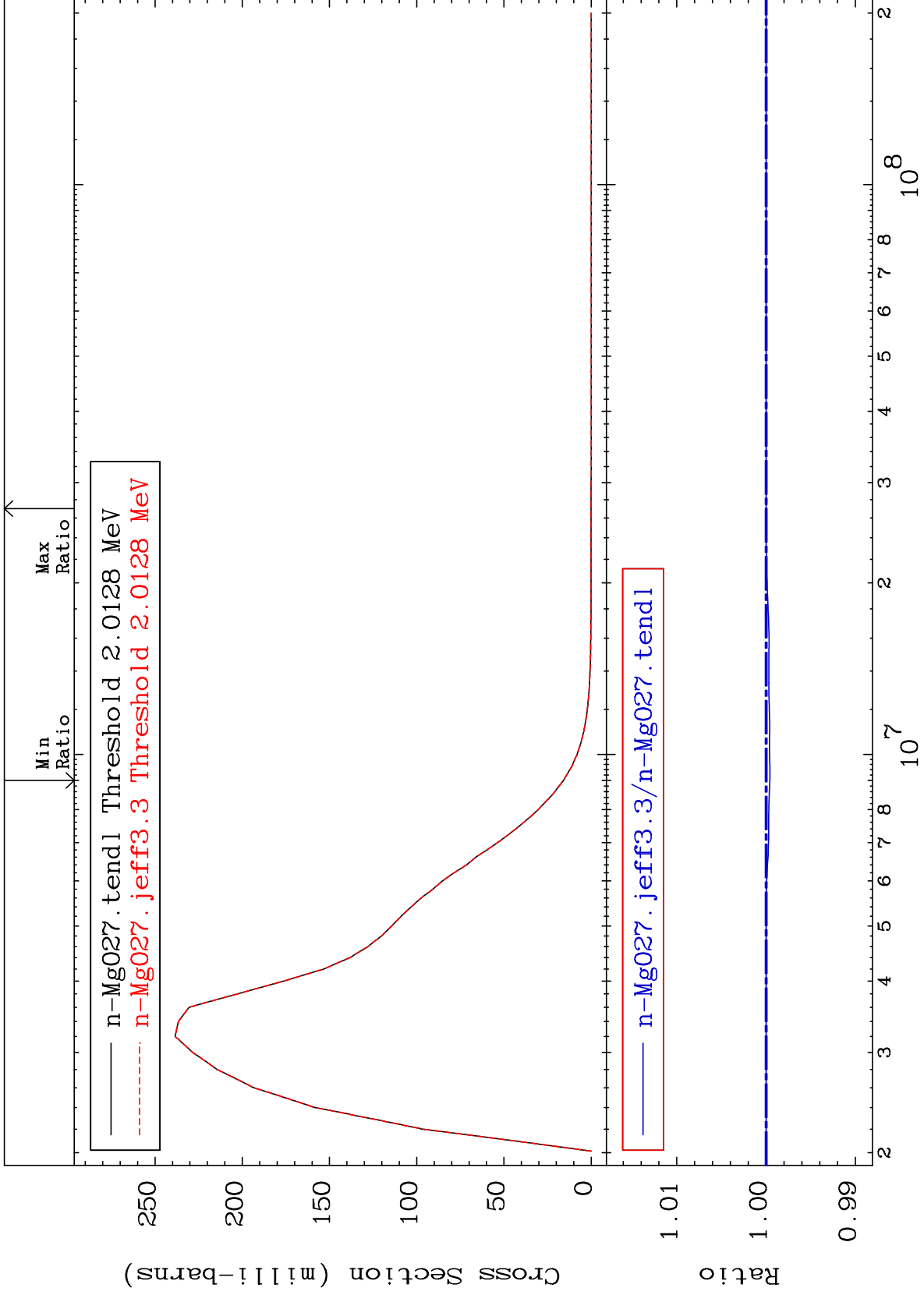
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 53 (n,n') Level
Cross Section

12-Mg-27
-0.042 To 0.000 %



18

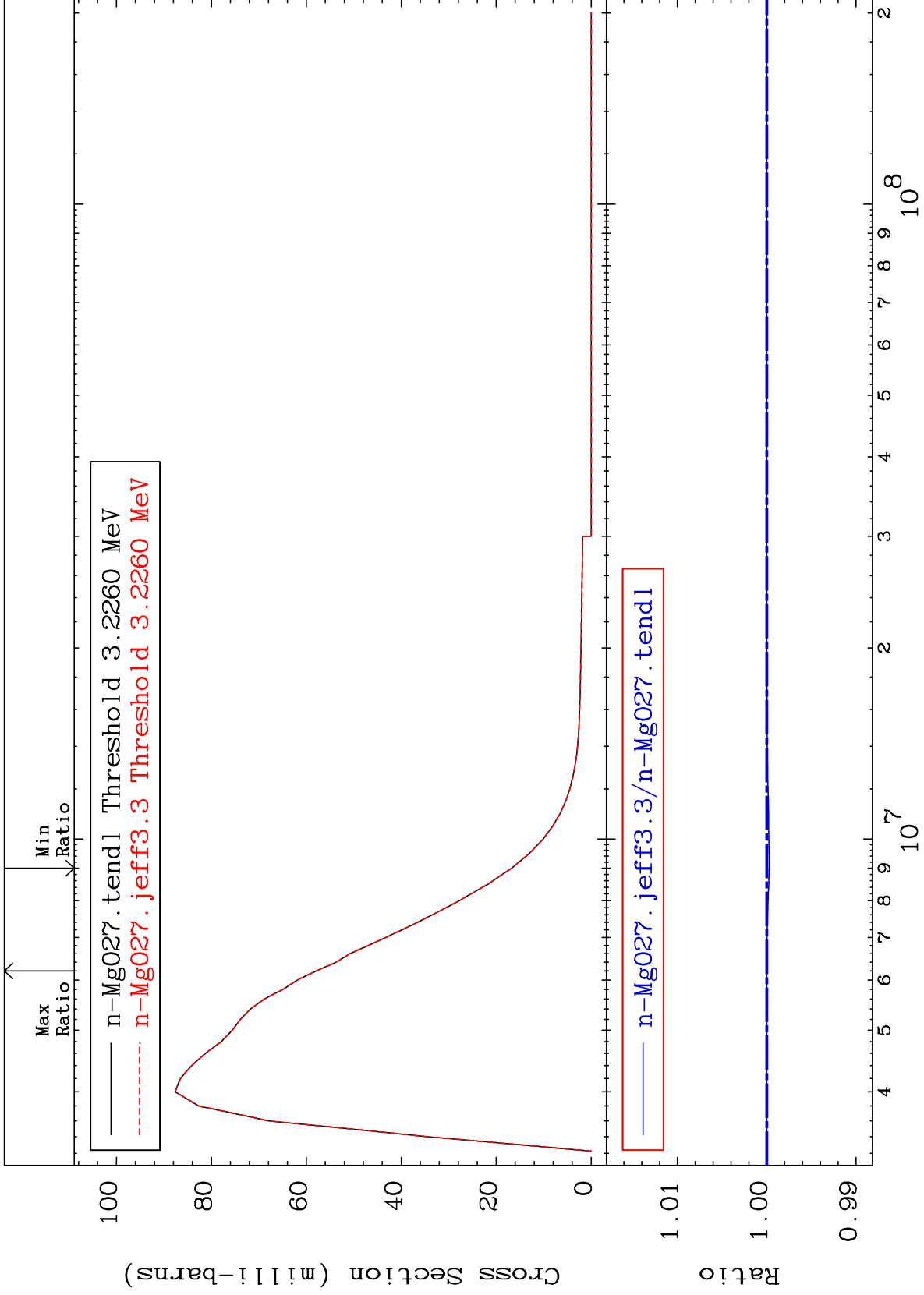
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 54 (n,n') Level
Cross Section

12-Mg-27
-0.027 To 0.000 %



19

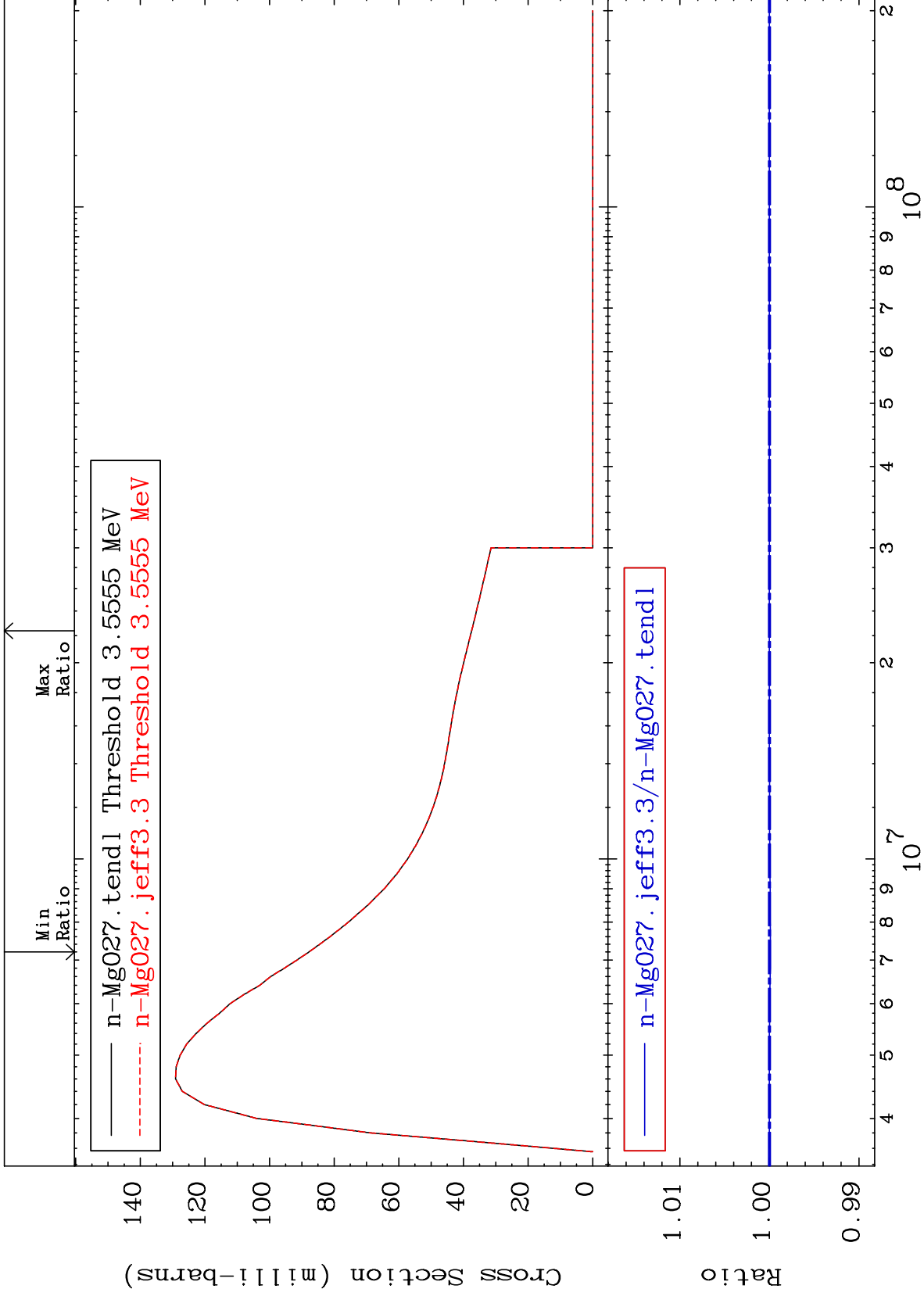
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 55 (n,n') Level
Cross Section

12-Mg-27
-0.011 To 0.000 %



20

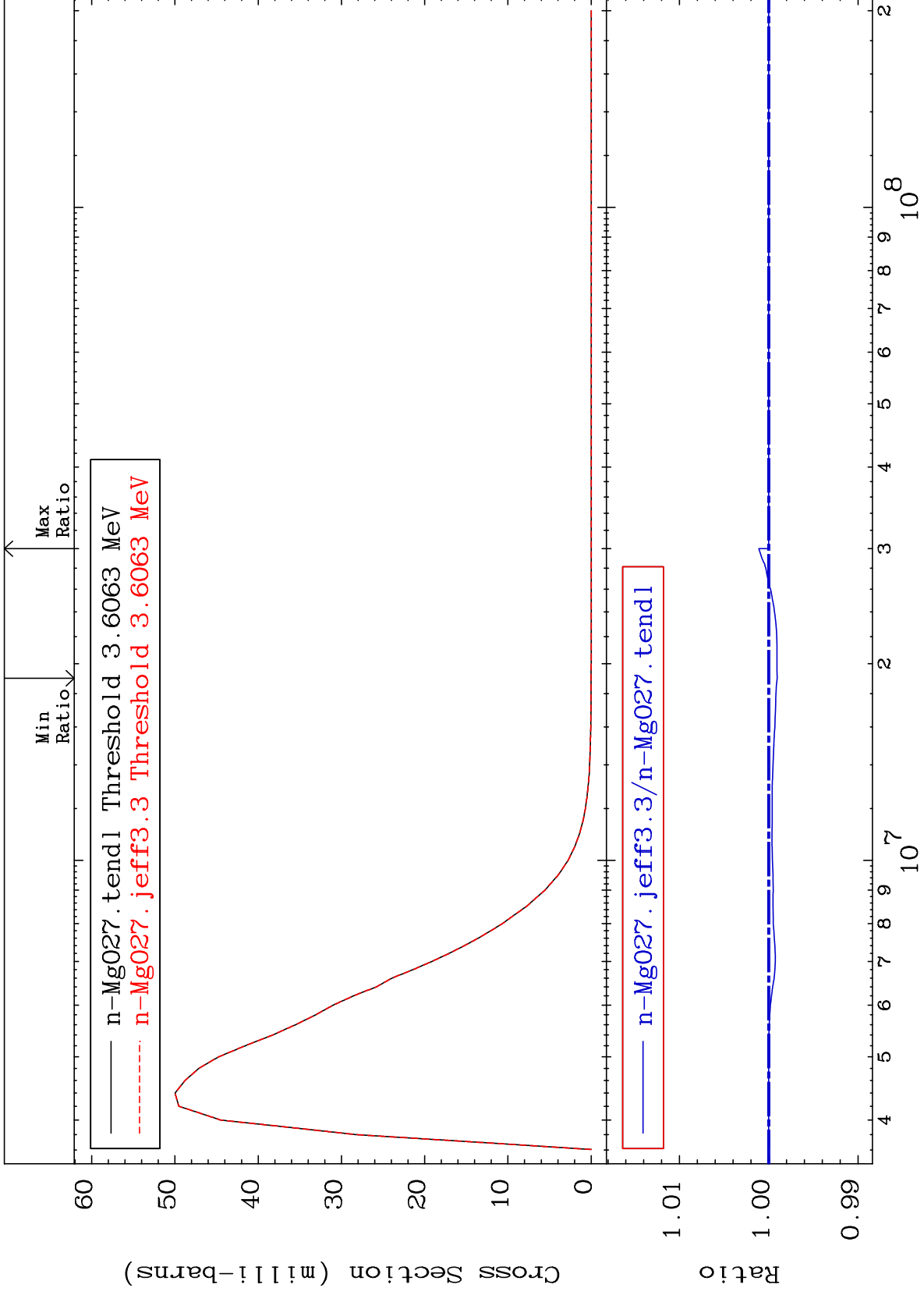
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 56 (n,n') Level
Cross Section

12-Mg-27
-0.094 To 0.112 %



21

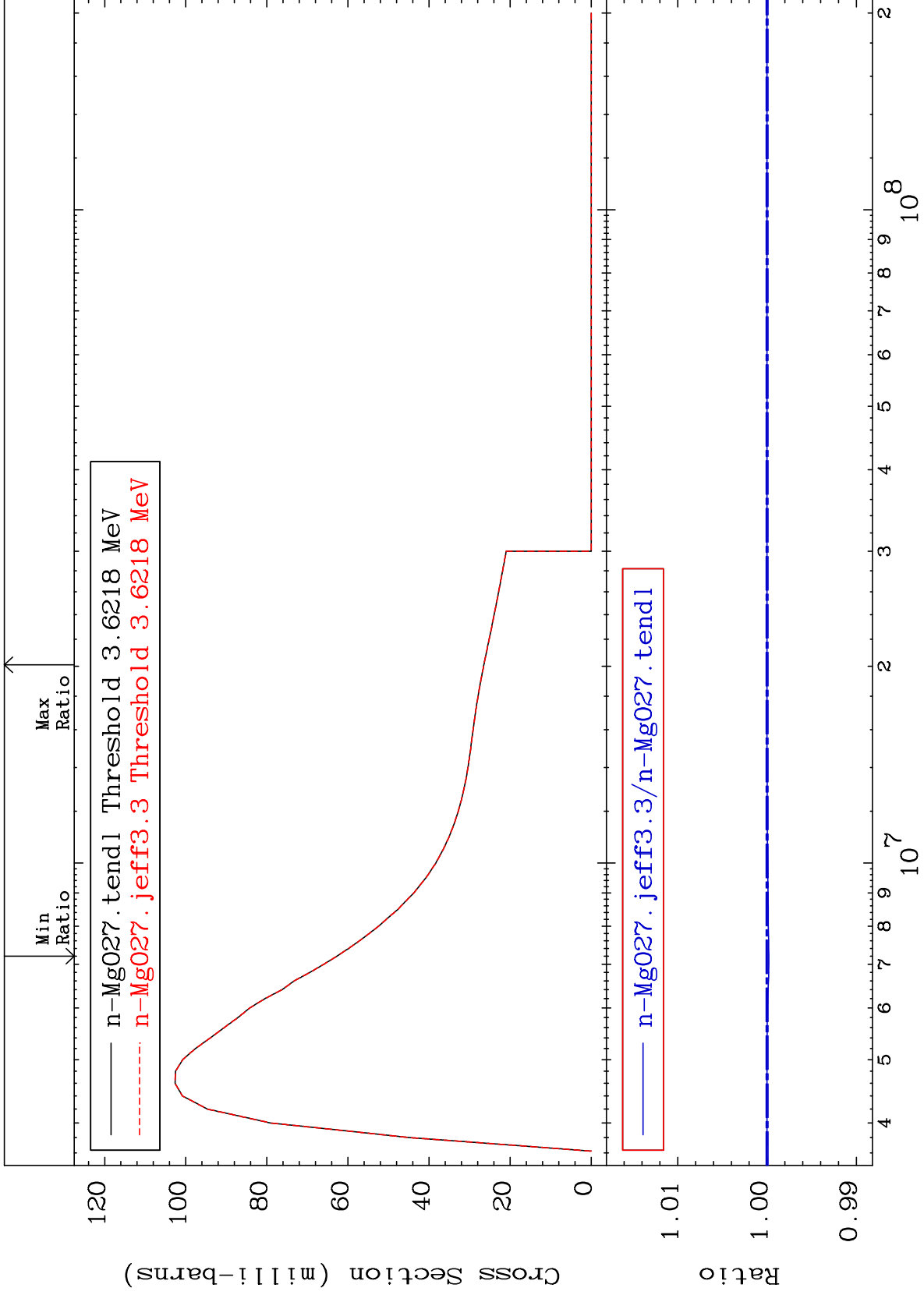
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 57 (n,n') Level
Cross Section

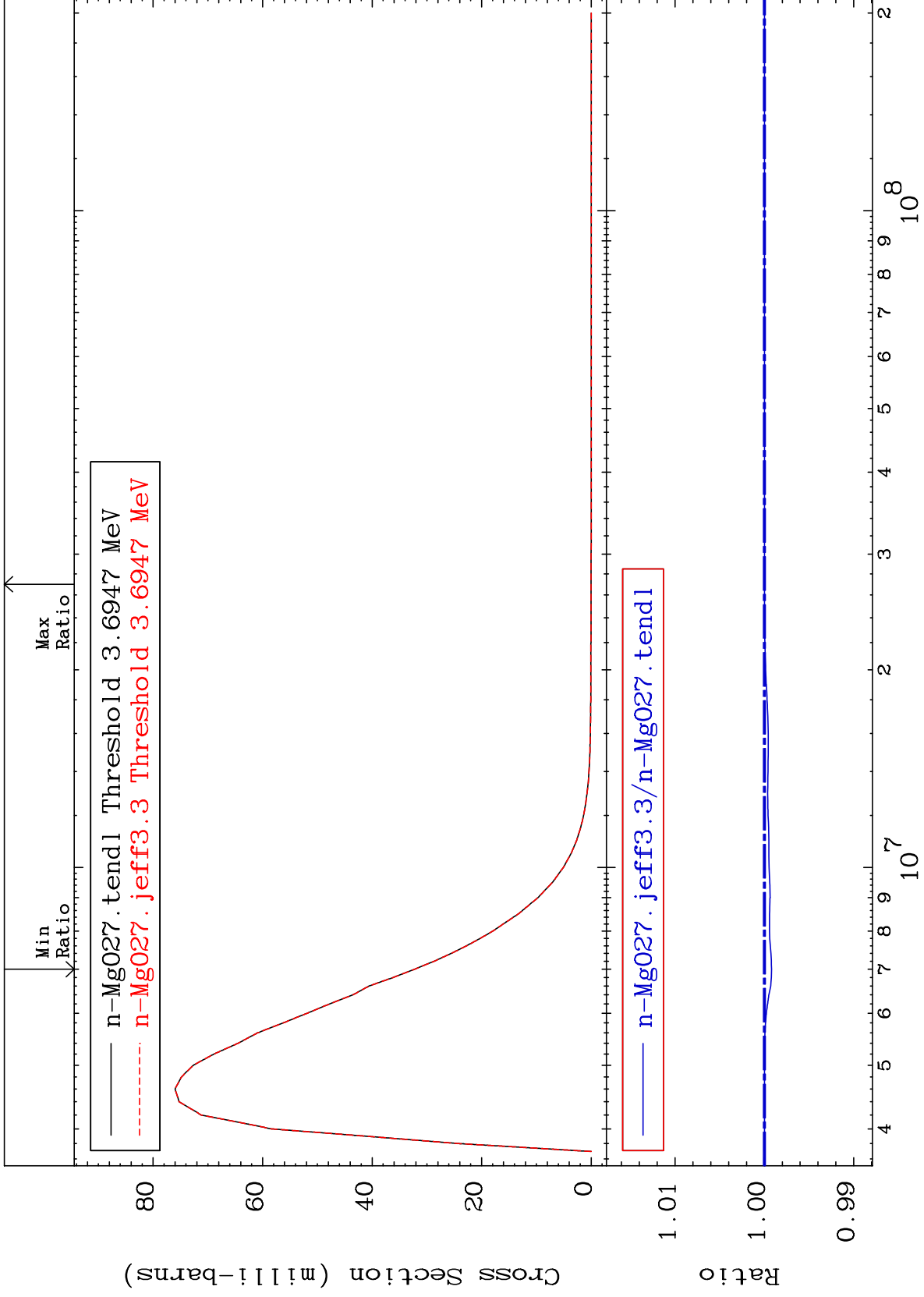
12-Mg-27
-0.020 To 0.000 %



MAT 1234

MT= 58 (n,n') Level
Cross Section

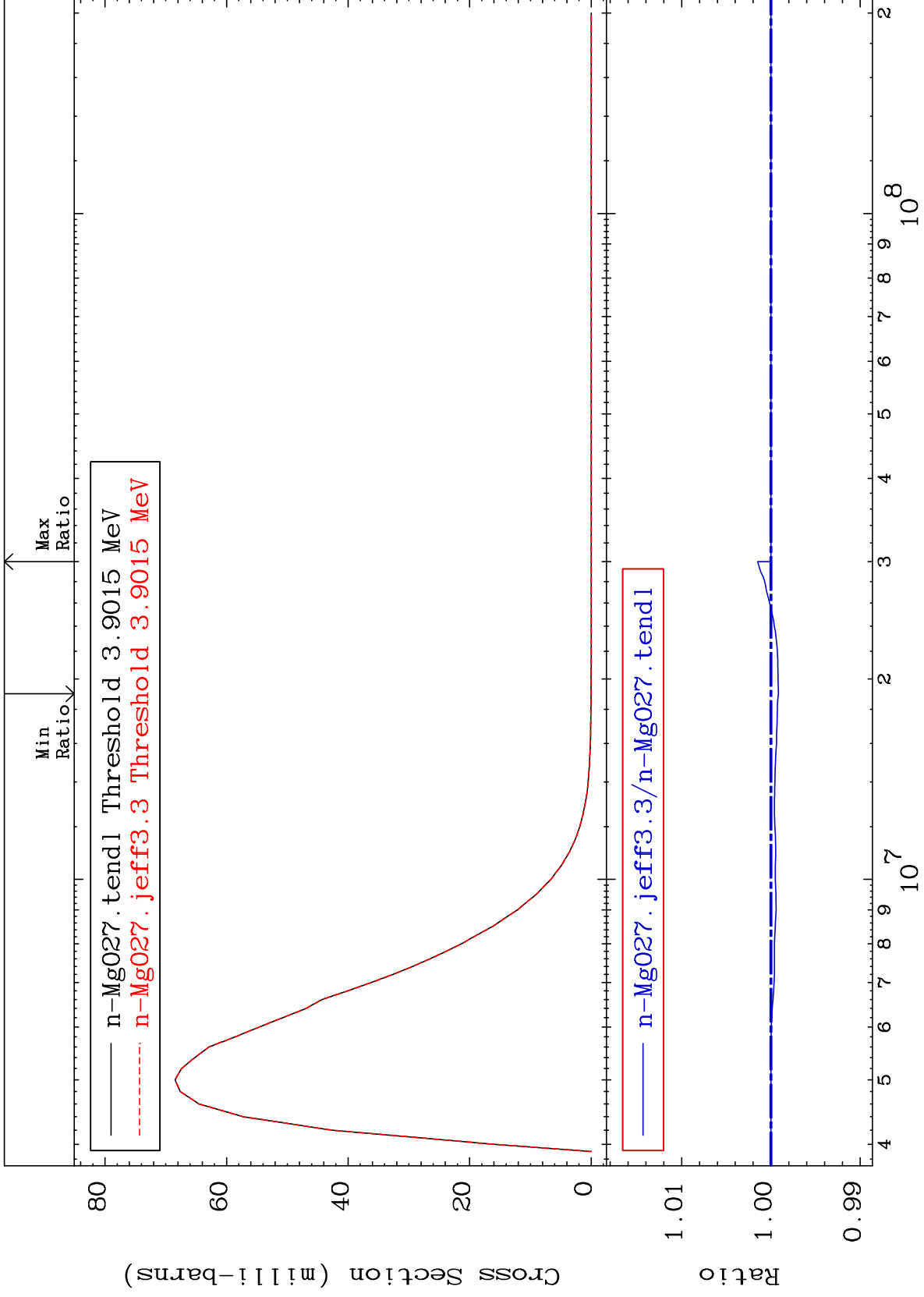
12-Mg-27
-0.079 To 0.000 %



MAT 1234

MT= 59 (n,n') Level
Cross Section

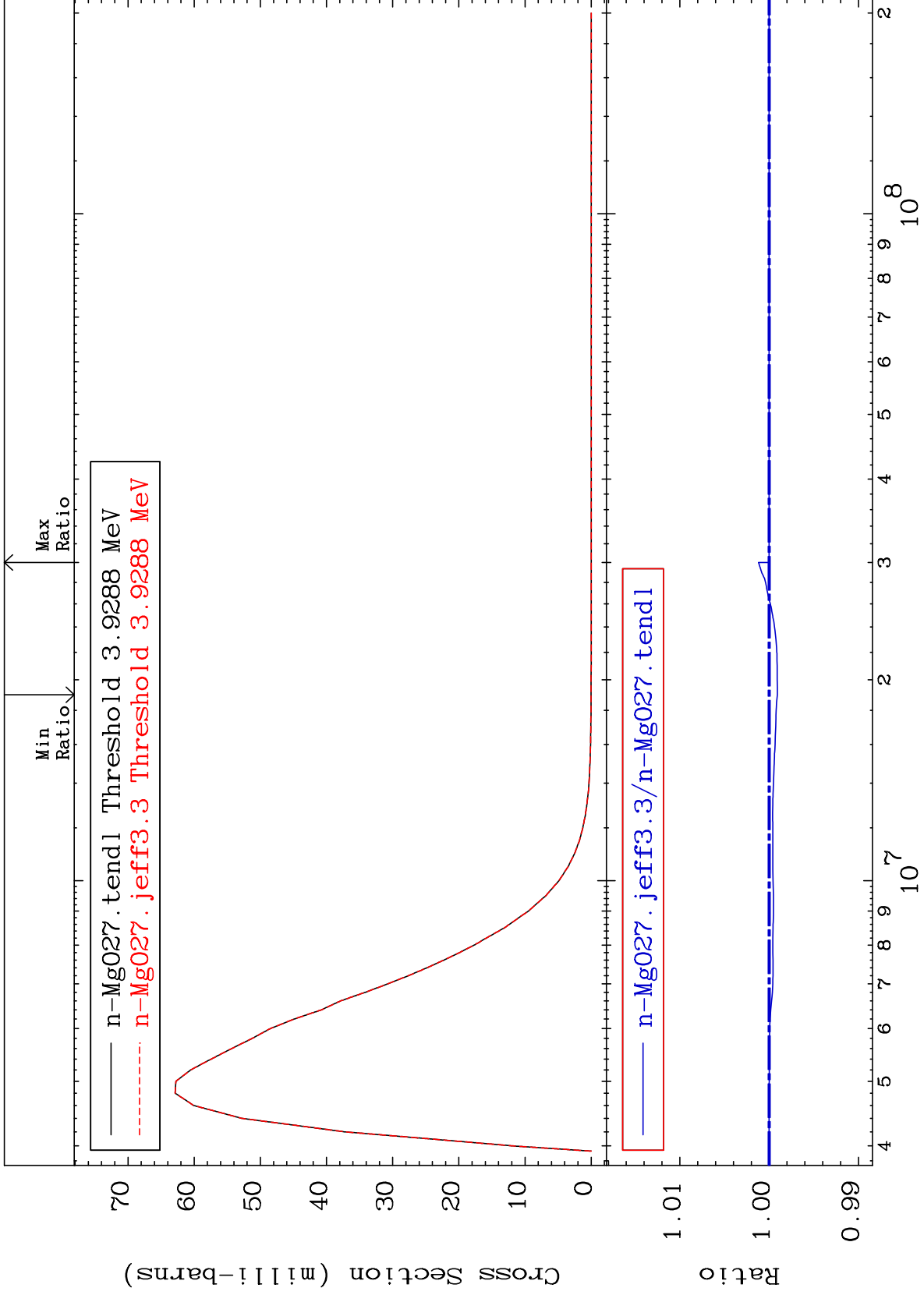
12-Mg-27
-0.083 To 0.150 %



MAT 1234

MT= 60 (n,n') Level
Cross Section

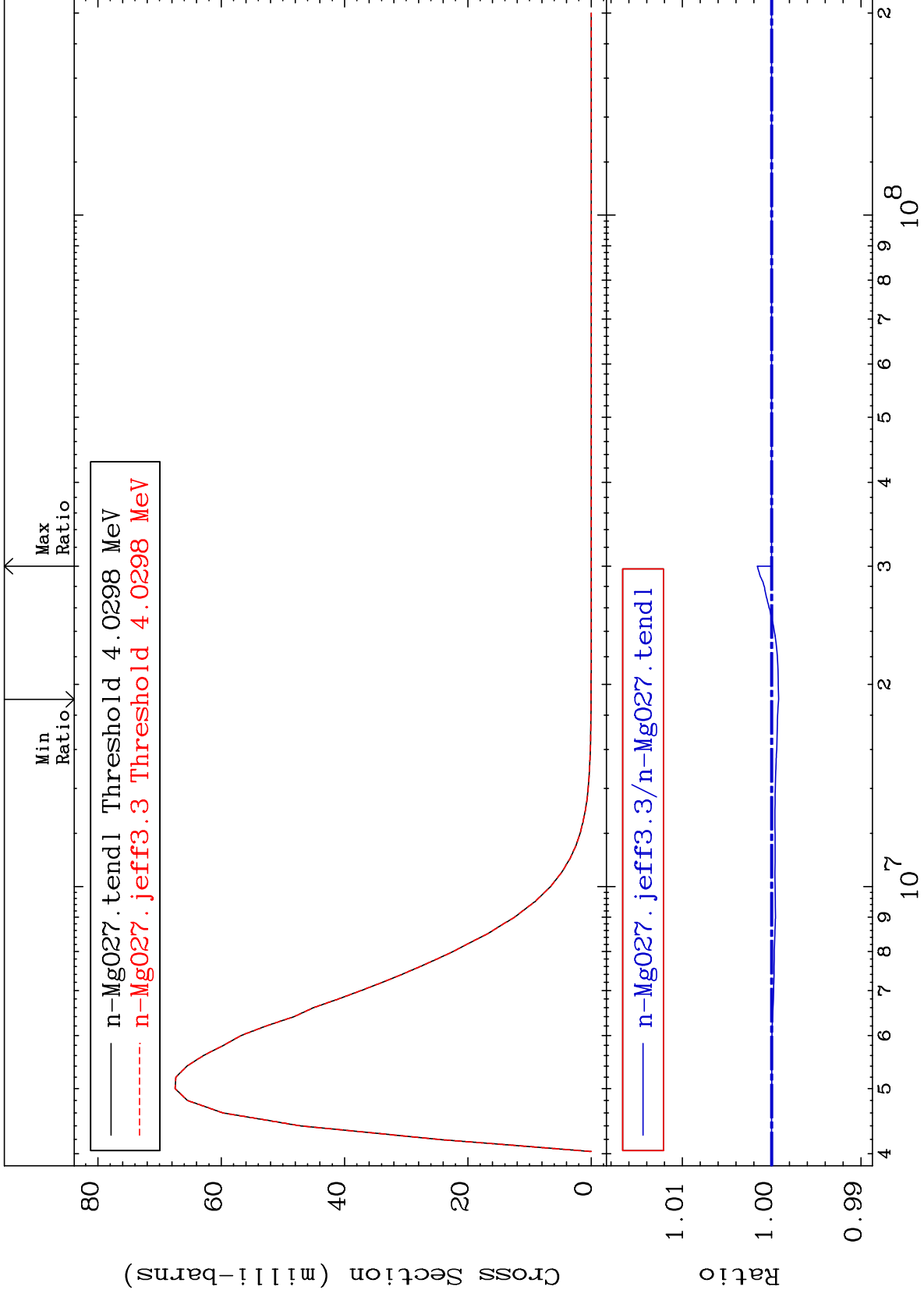
12-Mg-27
-0.092 To 0.119 %



MAT 1234

MT= 61 (n,n') Level
Cross Section

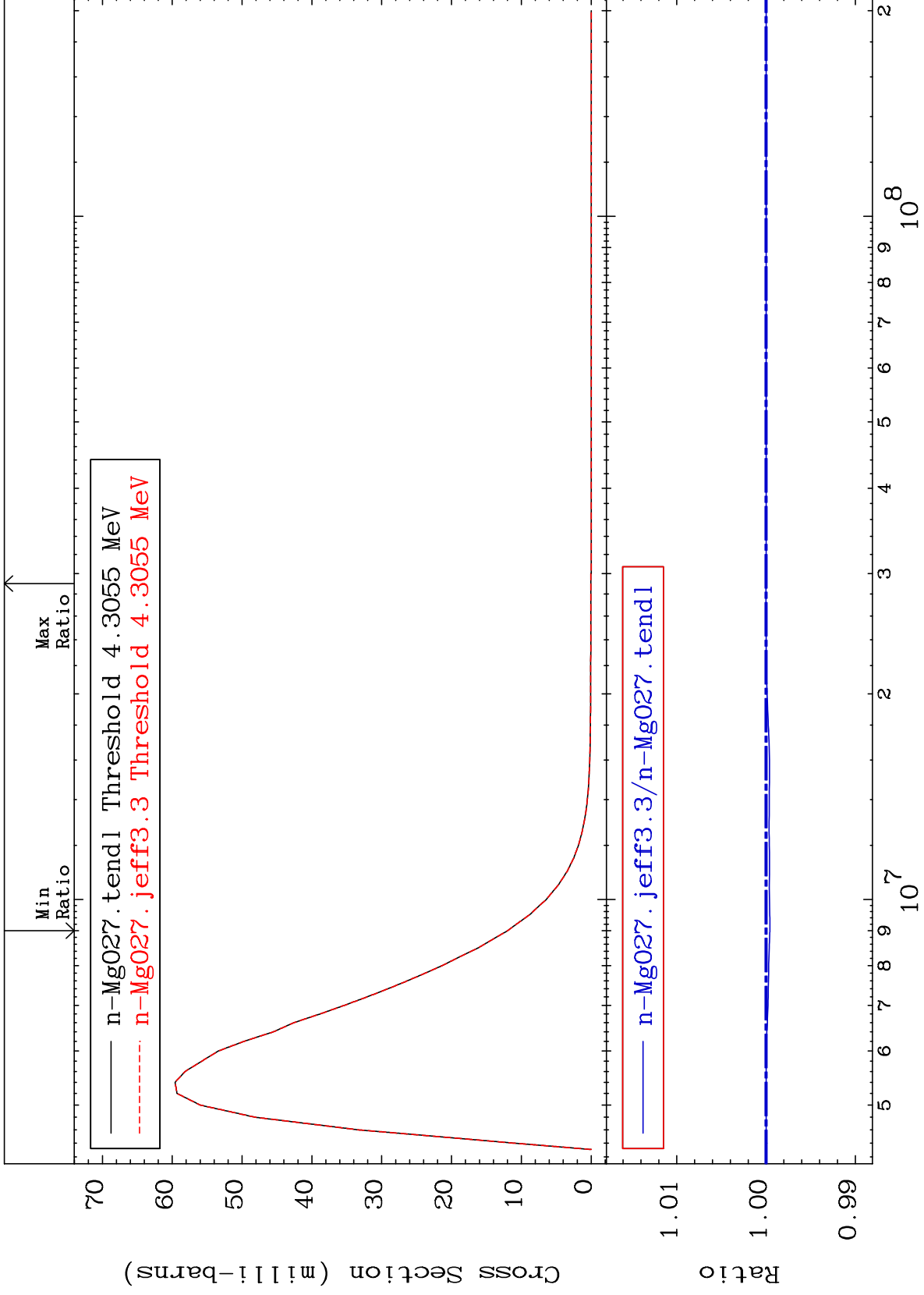
12-Mg-27
-0.078 To 0.161 %



MAT 1234

MT= 62 (n,n') Level
Cross Section

12-Mg-27
-0.043 To 0.000 %



27

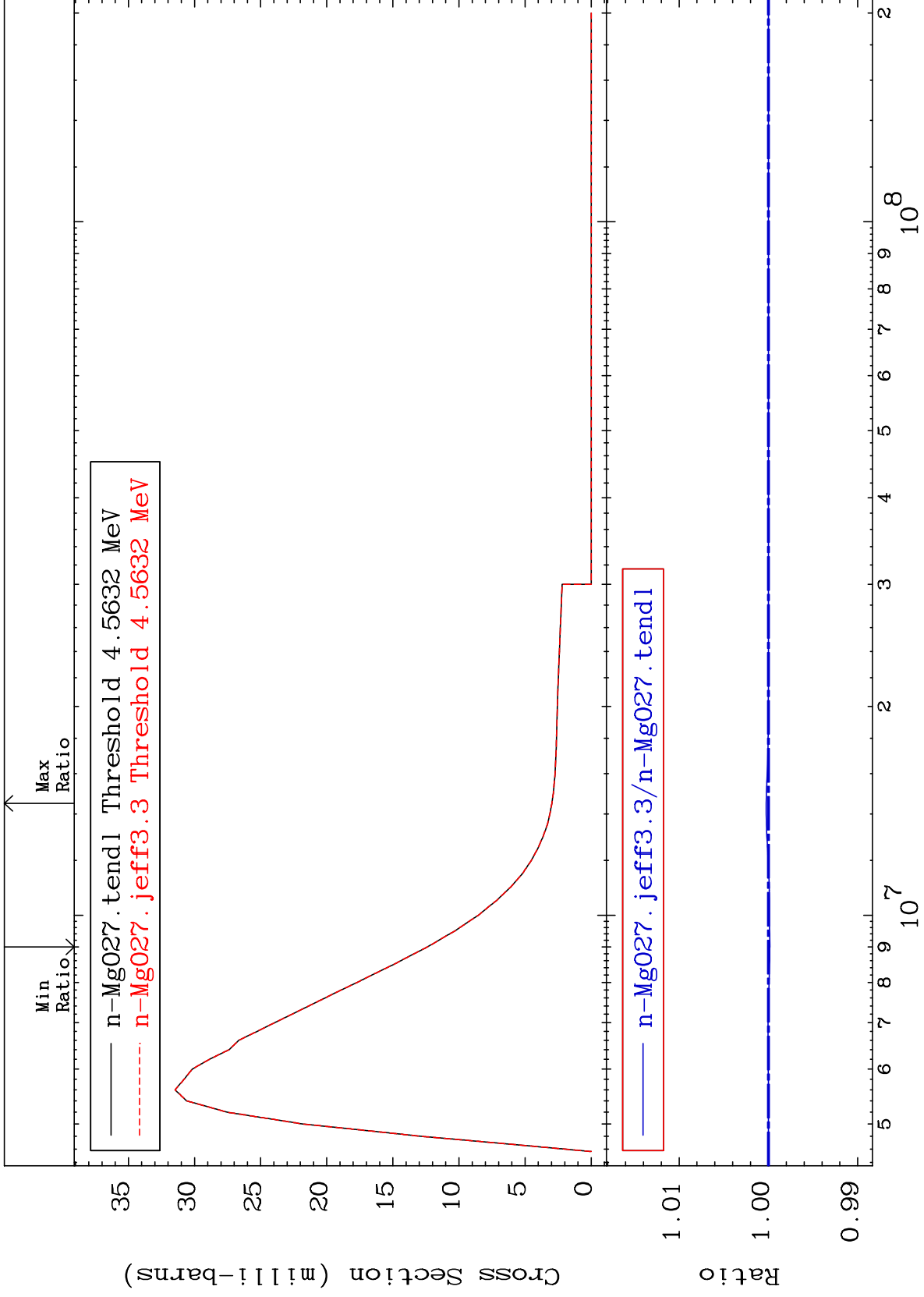
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 63 (n,n') Level
Cross Section

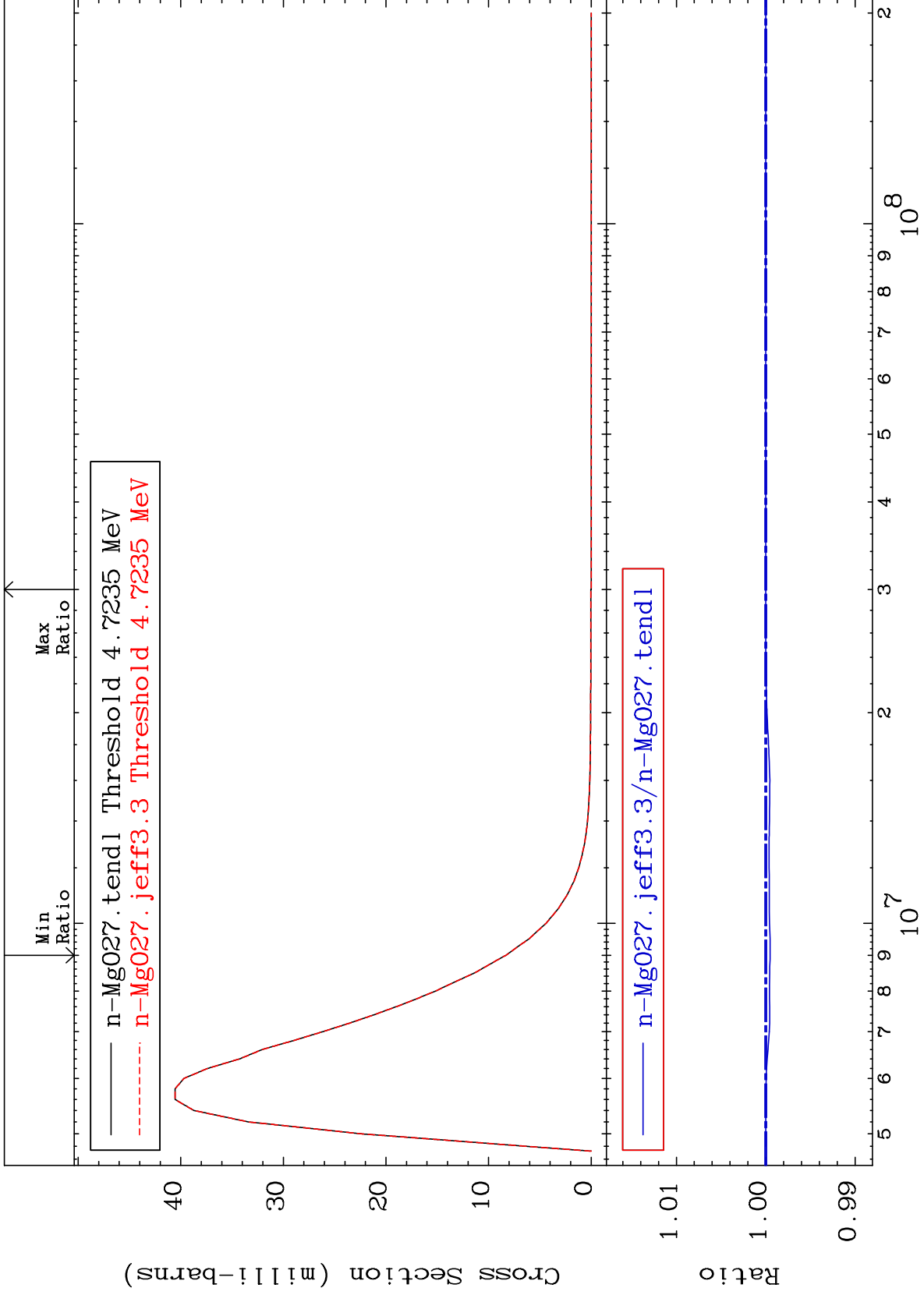
12-Mg-27
-0.015 To 0.026 %



MAT 1234

MT= 64 (n,n') Level
Cross Section

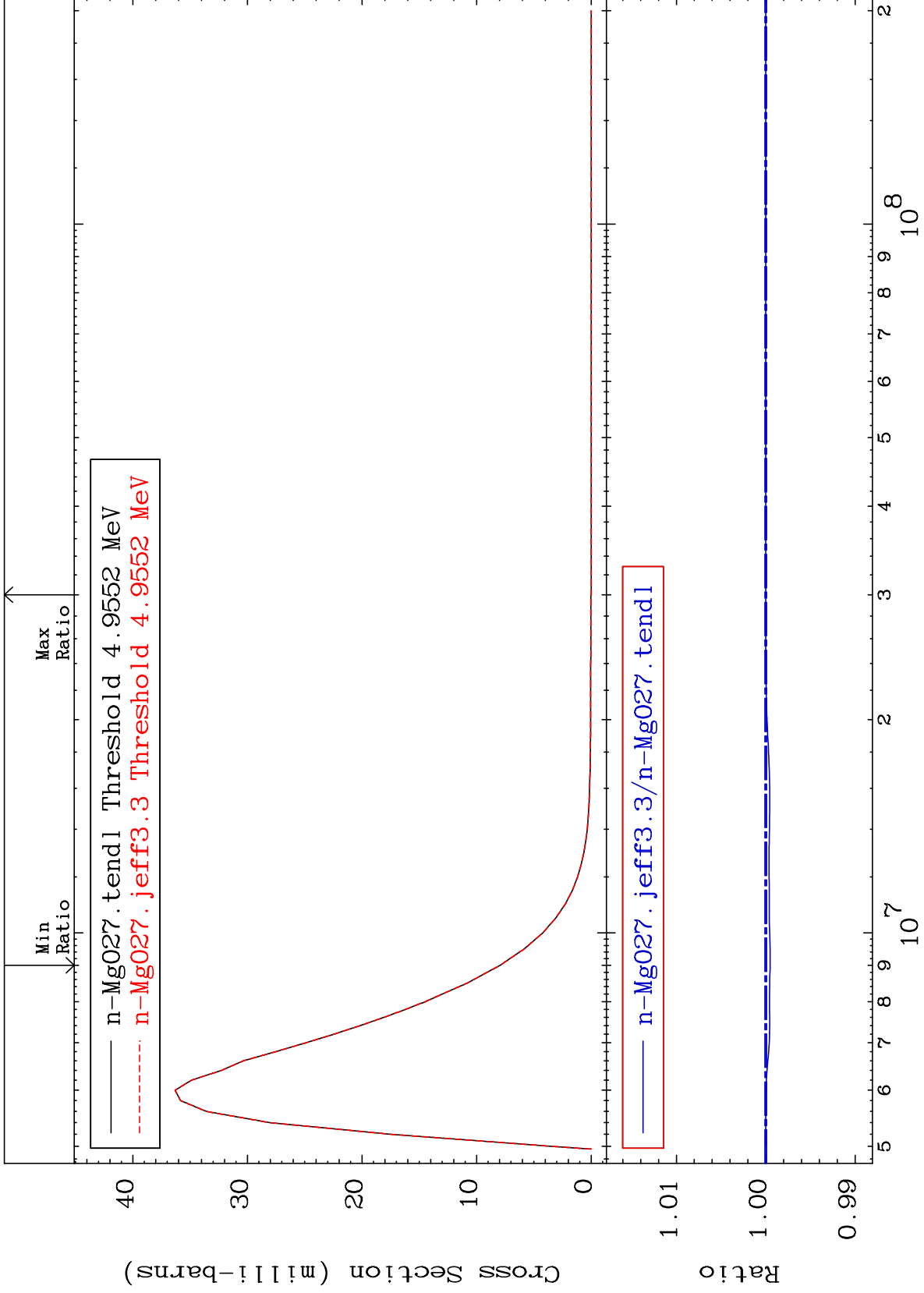
12-Mg-27
-0.049 To 0.000 %



MAT 1234

MT= 65 (n,n') Level
Cross Section

12-Mg-27
-0.050 To 0.000 %



30

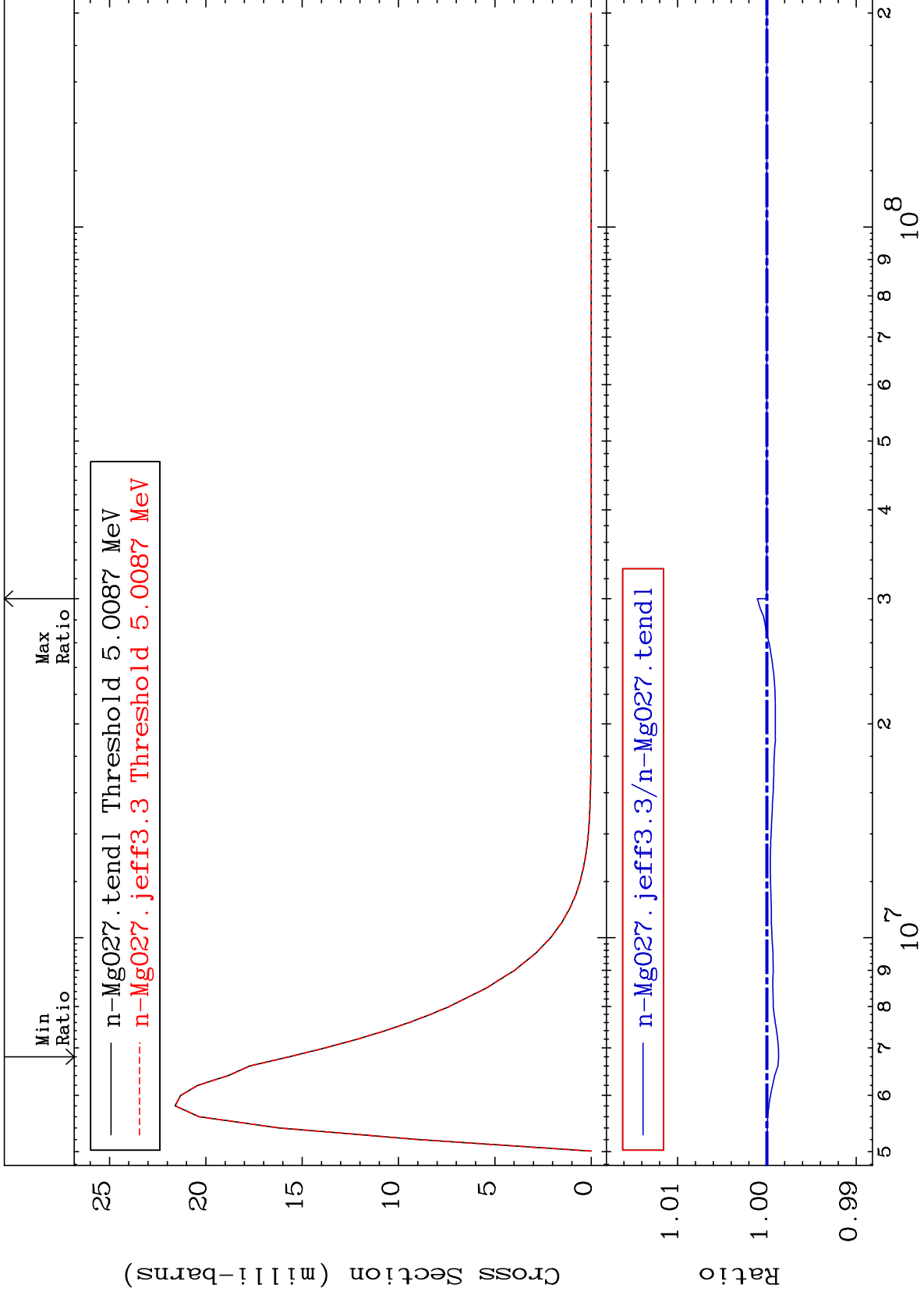
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 66 (n,n') Level
Cross Section

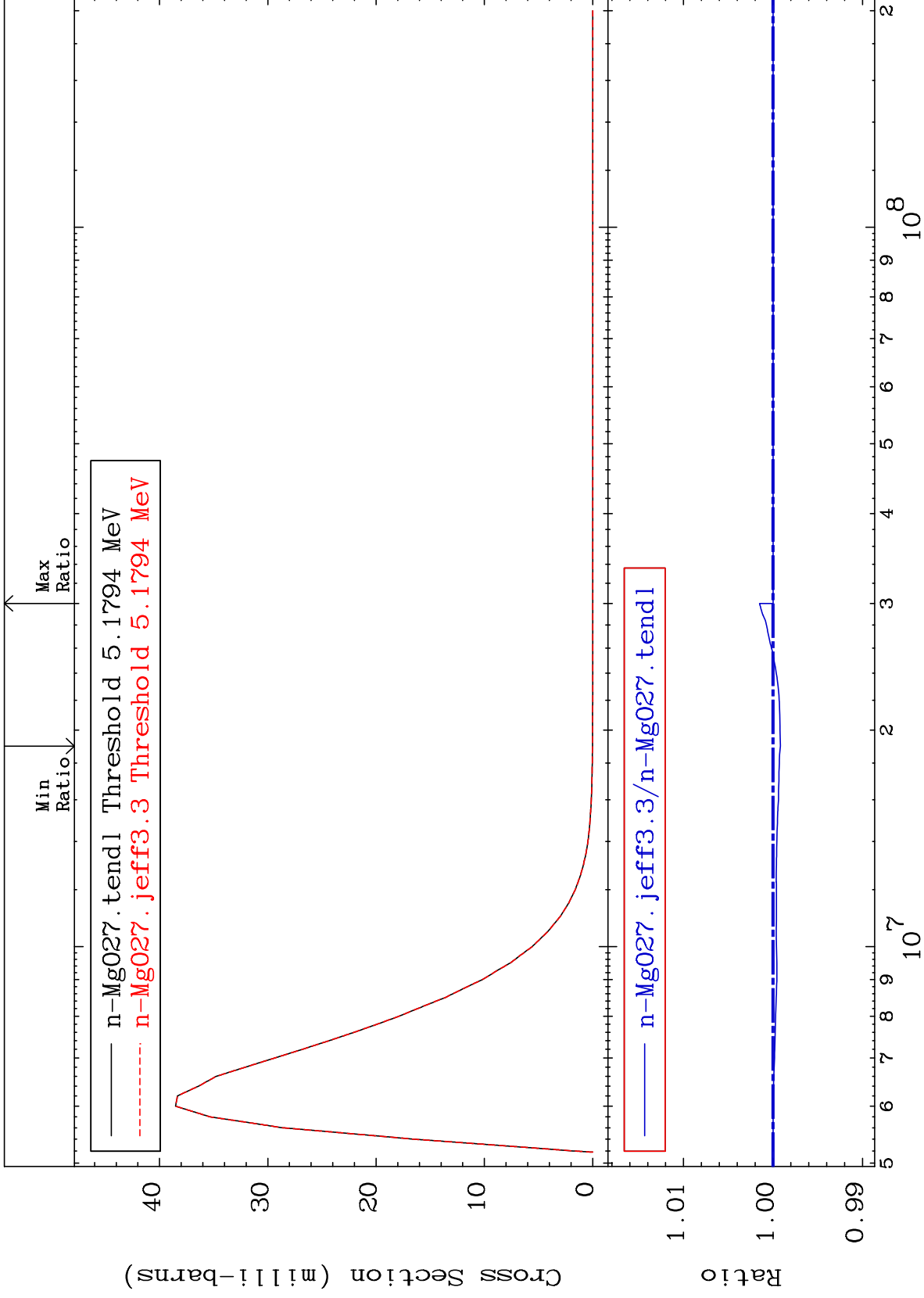
12-Mg-27
-0.132 To 0.107 %



MAT 1234

MT= 67 (n,n') Level
Cross Section

12-Mg-27
-0.082 To 0.151 %



32

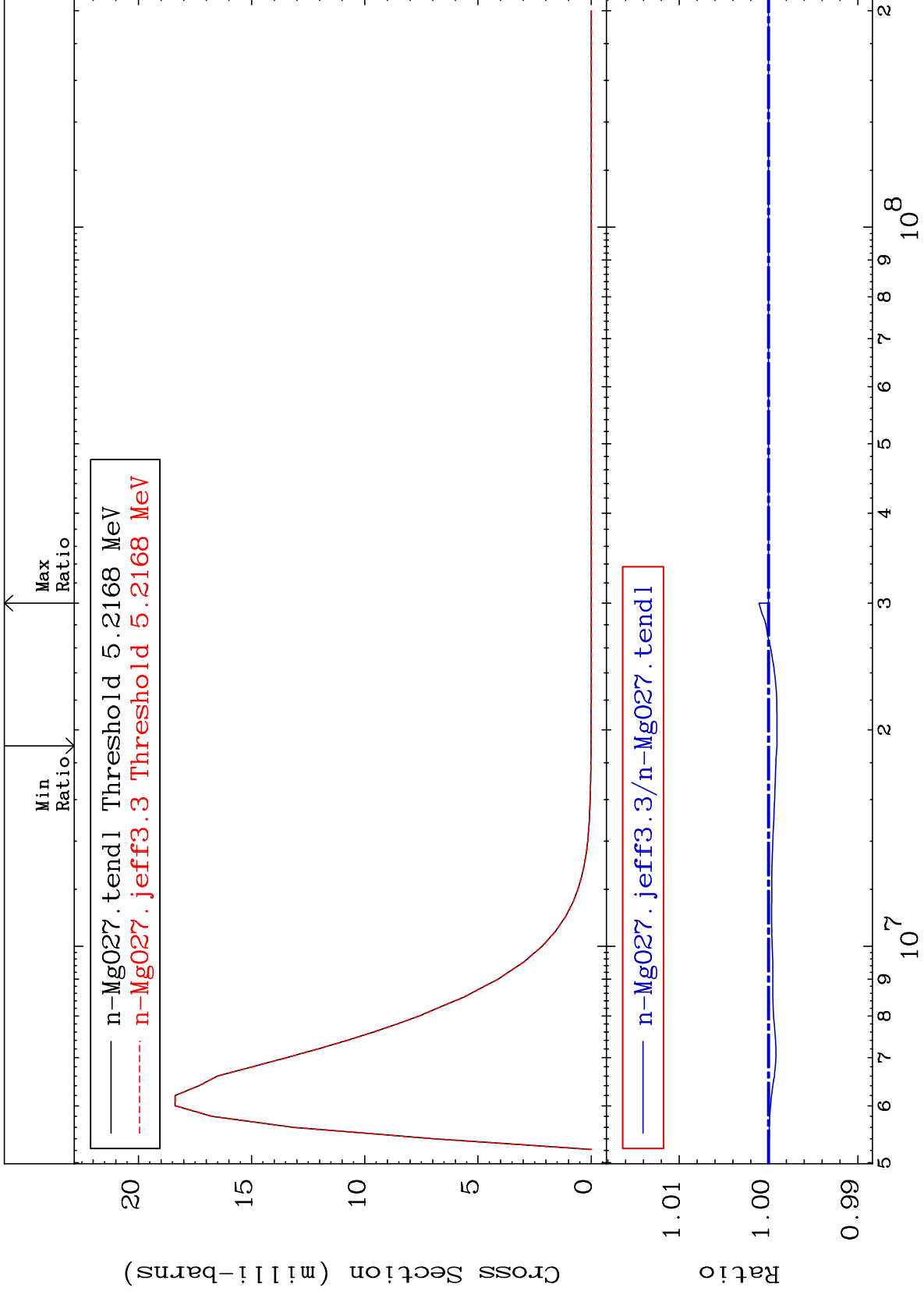
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 68 (n,n') Level
Cross Section

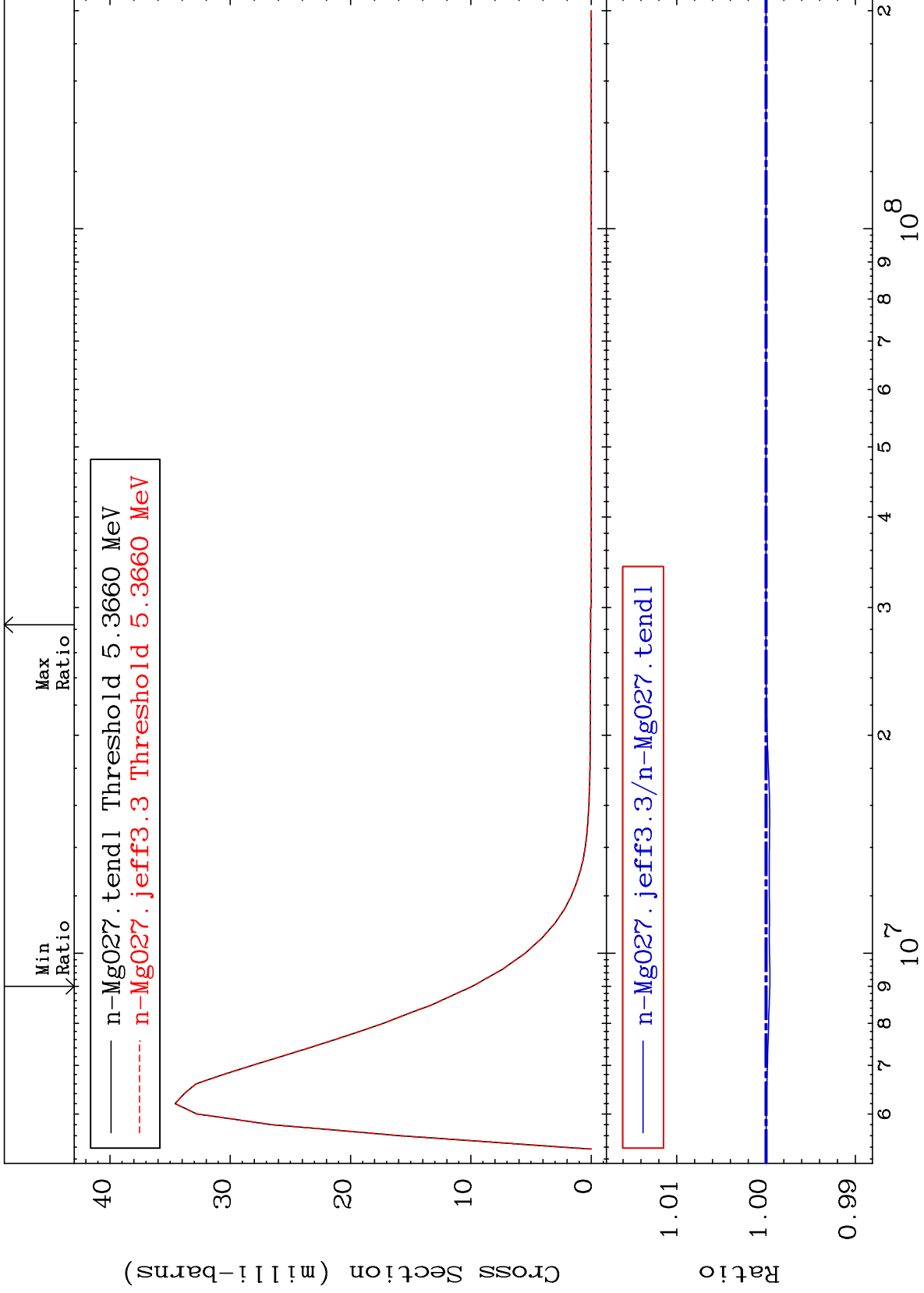
12-Mg-27
-0.095 To 0.108 %



MAT 1234

MT= 69 (n,n') Level
Cross Section

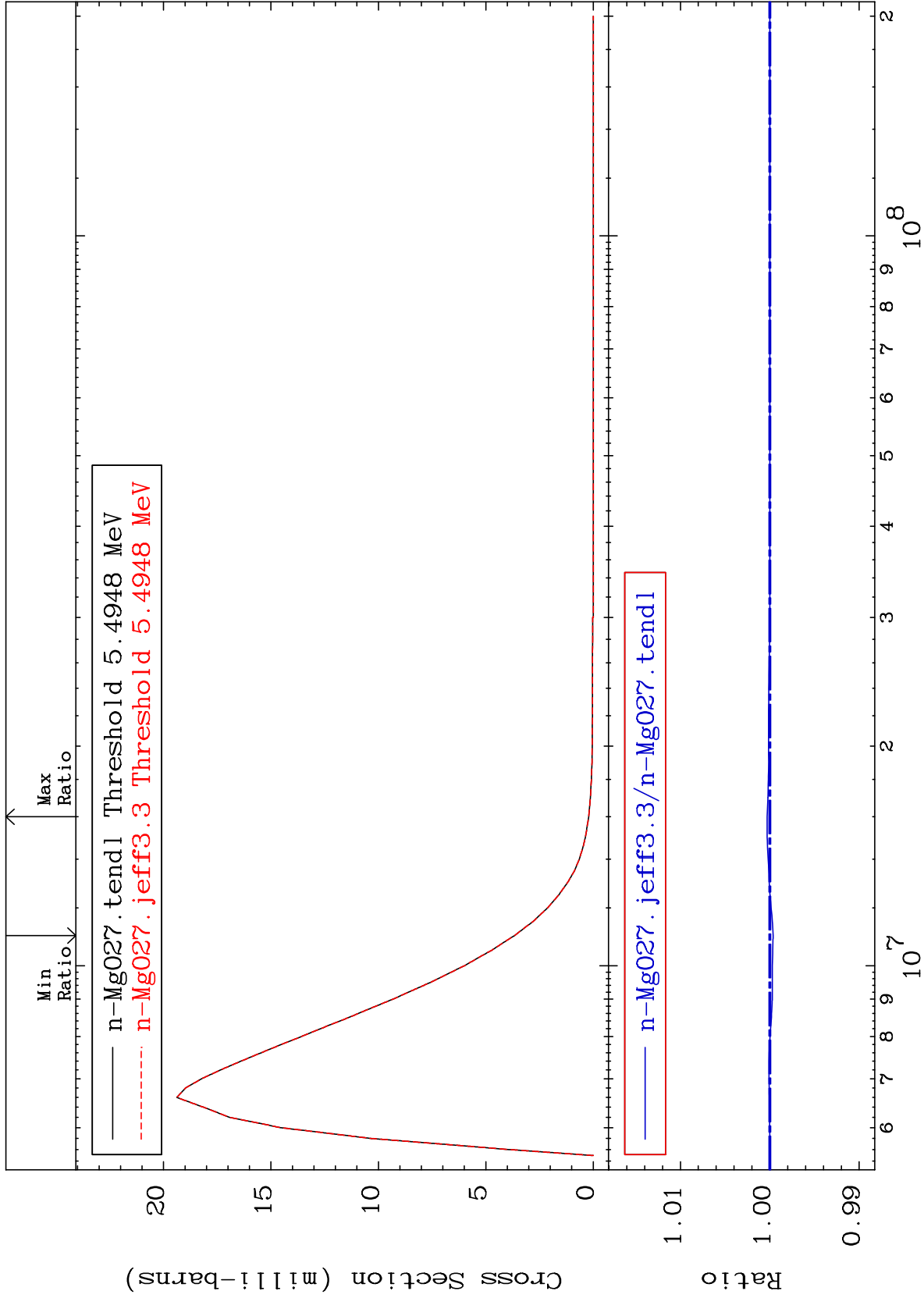
12-Mg-27
-0.043 To 0.000 %



MAT 1234

MT= 70 (n,n') Level
Cross Section

12-Mg-27
-0.037 To 0.030 %



35

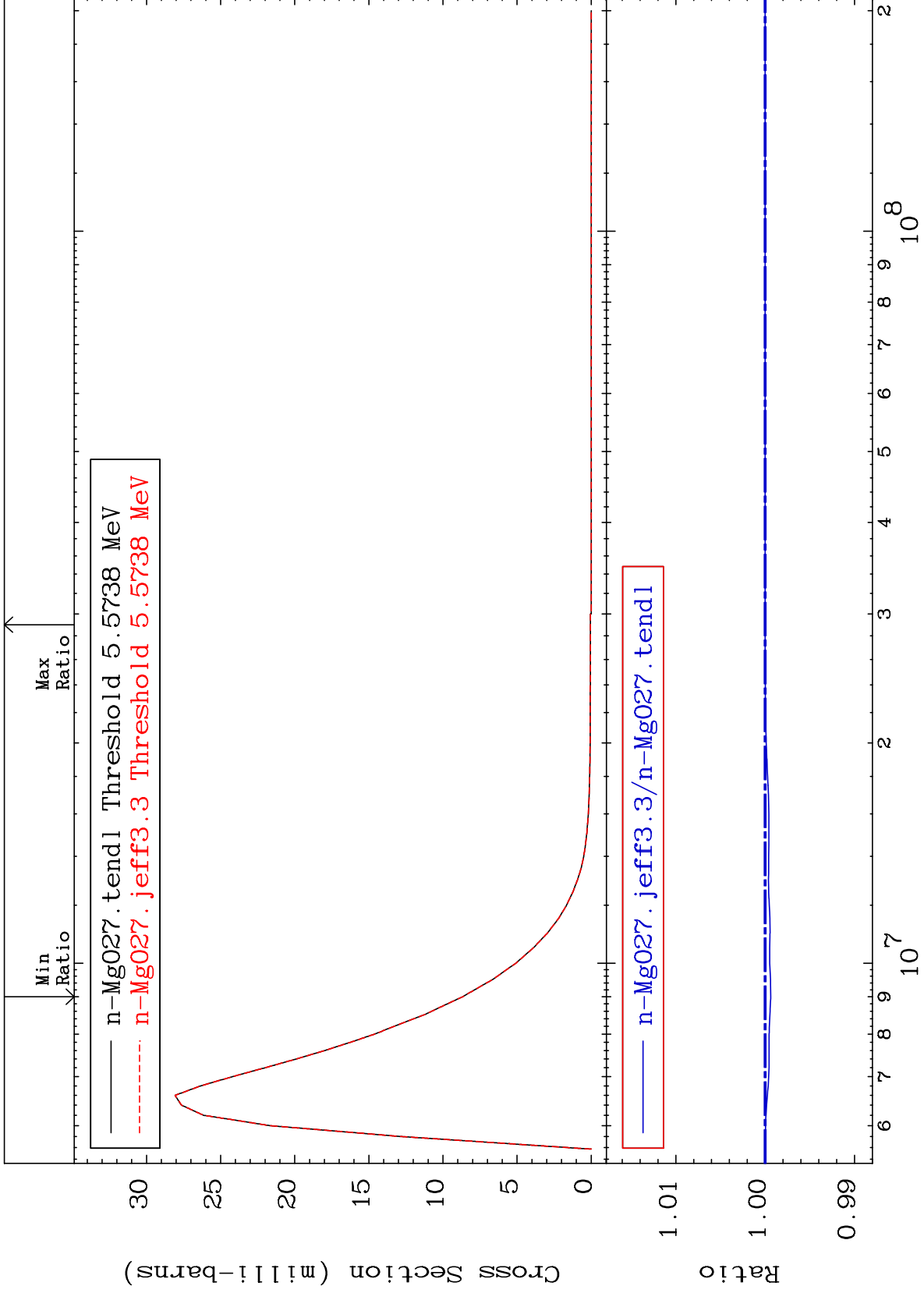
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 71 (n,n') Level
Cross Section

12-Mg-27
-0.063 To 0.000 %



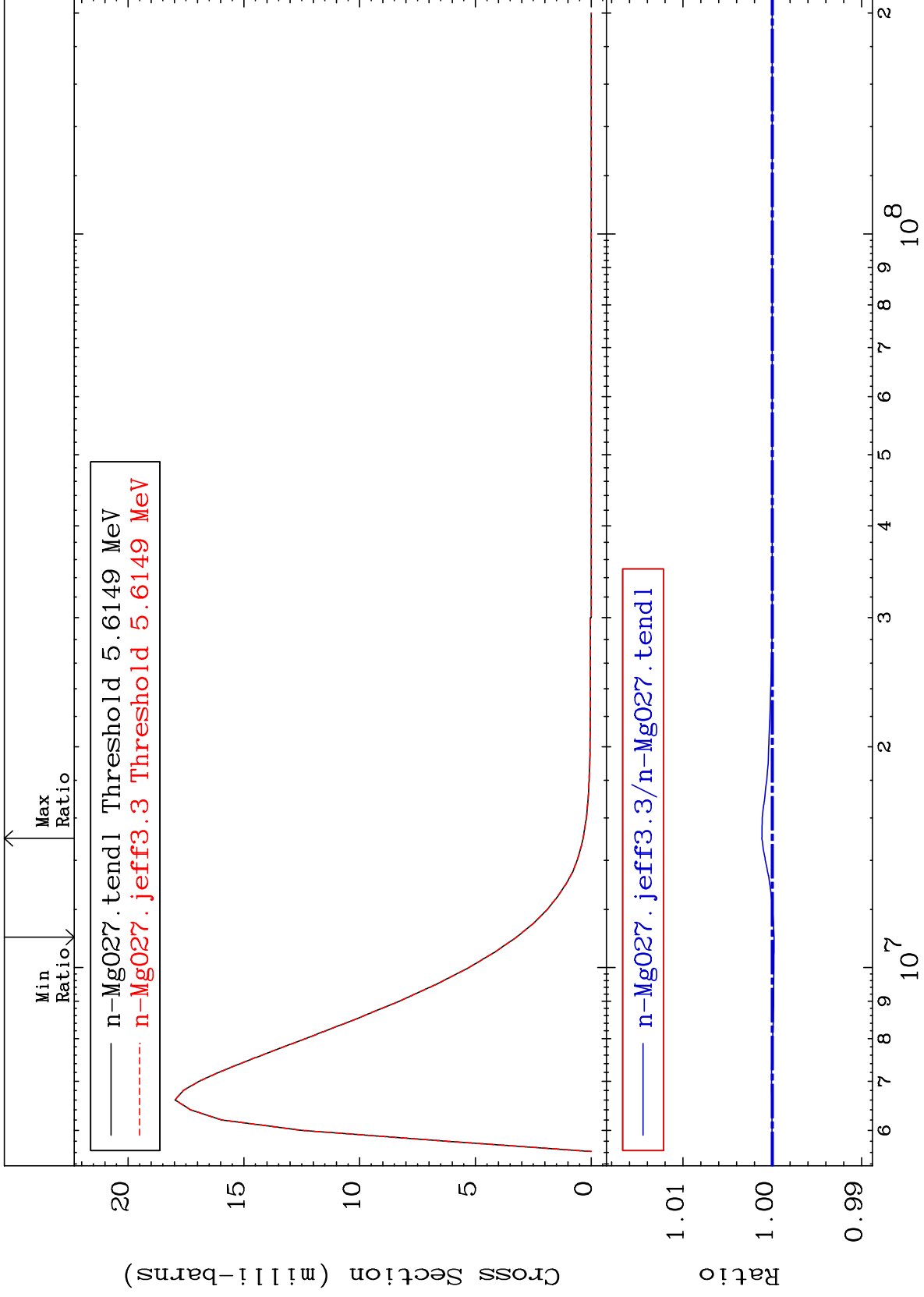
36

12-Mg-27

MAT 1234

MT= 72 (n,n') Level
Cross Section

12-Mg-27
-0.020 To 0.116 %



37

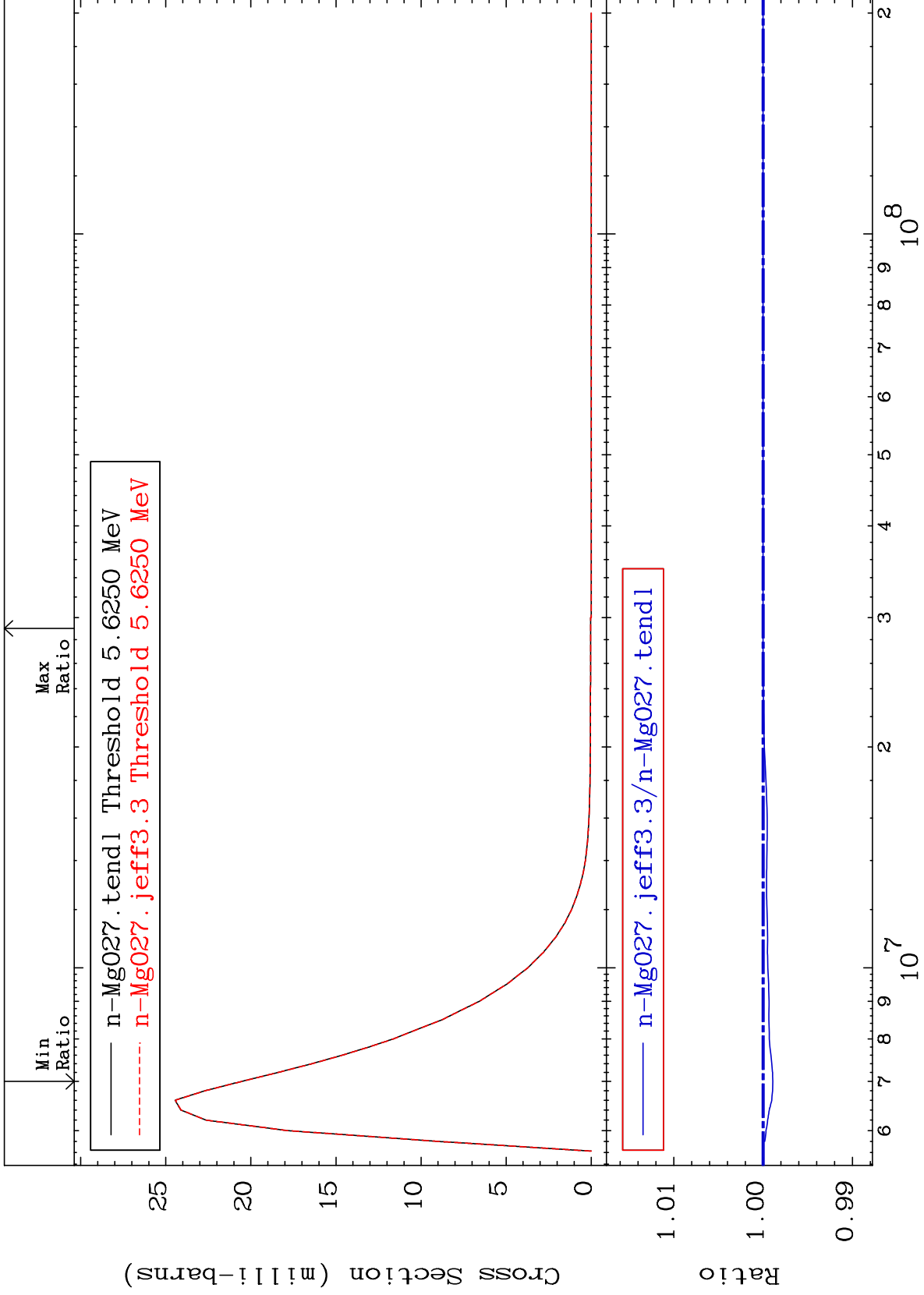
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 73 (n,n') Level
Cross Section

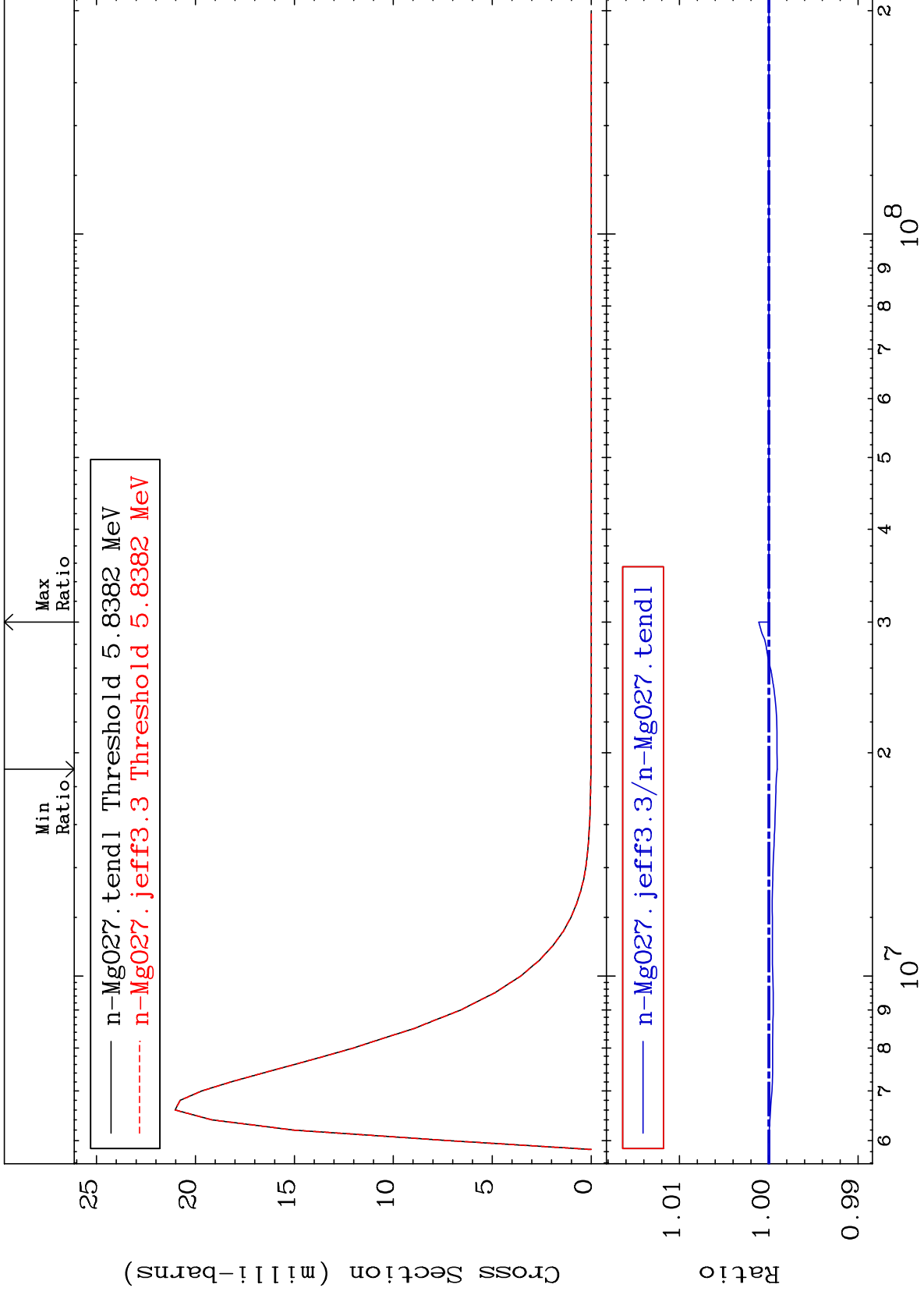
12-Mg-27
-0.108 To 0.000 %



MAT 1234

MT= 74 (n,n') Level
Cross Section

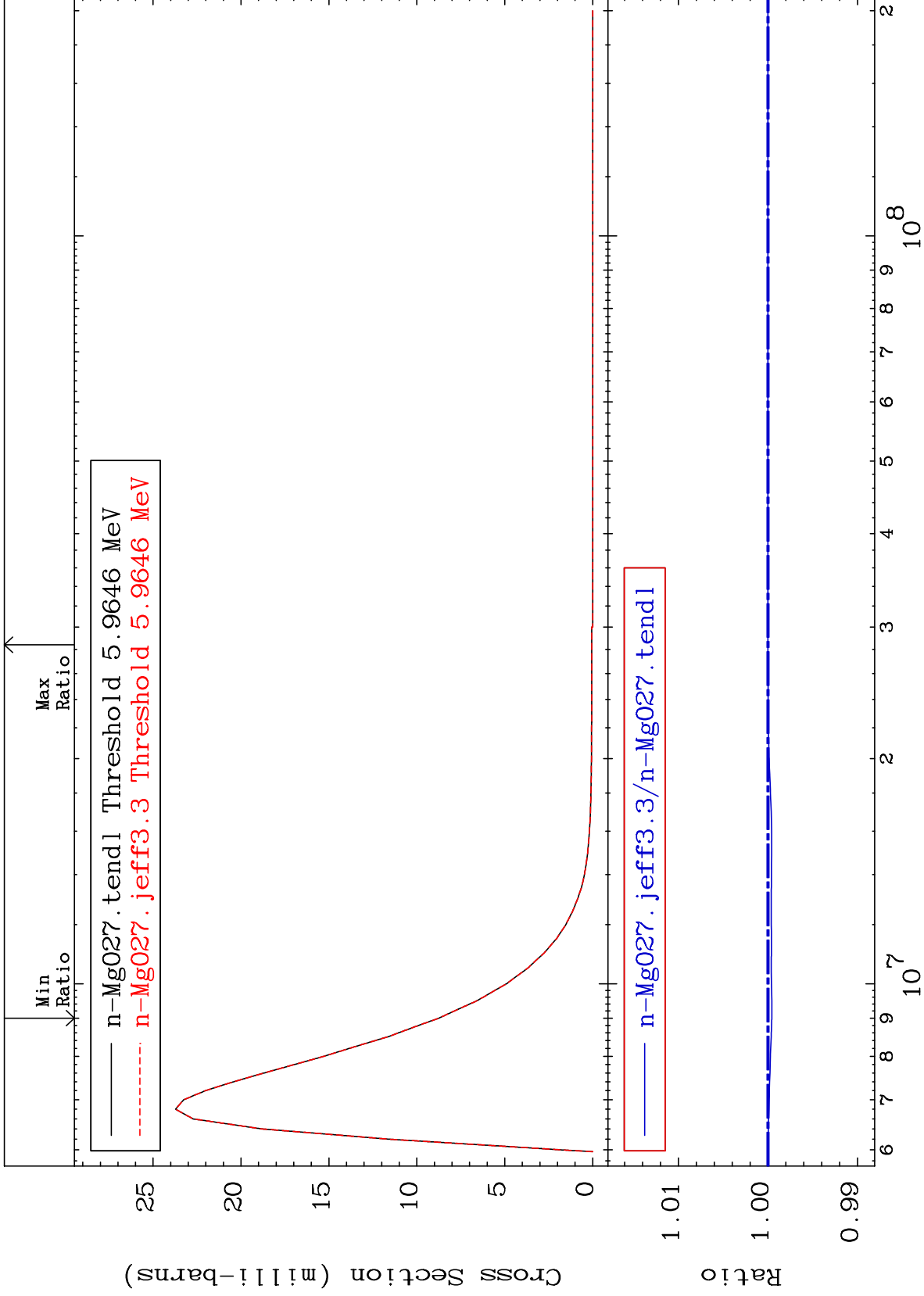
12-Mg-27
-0.094 To 0.113 %



MAT 1234

MT= 75 (n,n') Level
Cross Section

12-Mg-27
-0.043 To 0.000 %



40

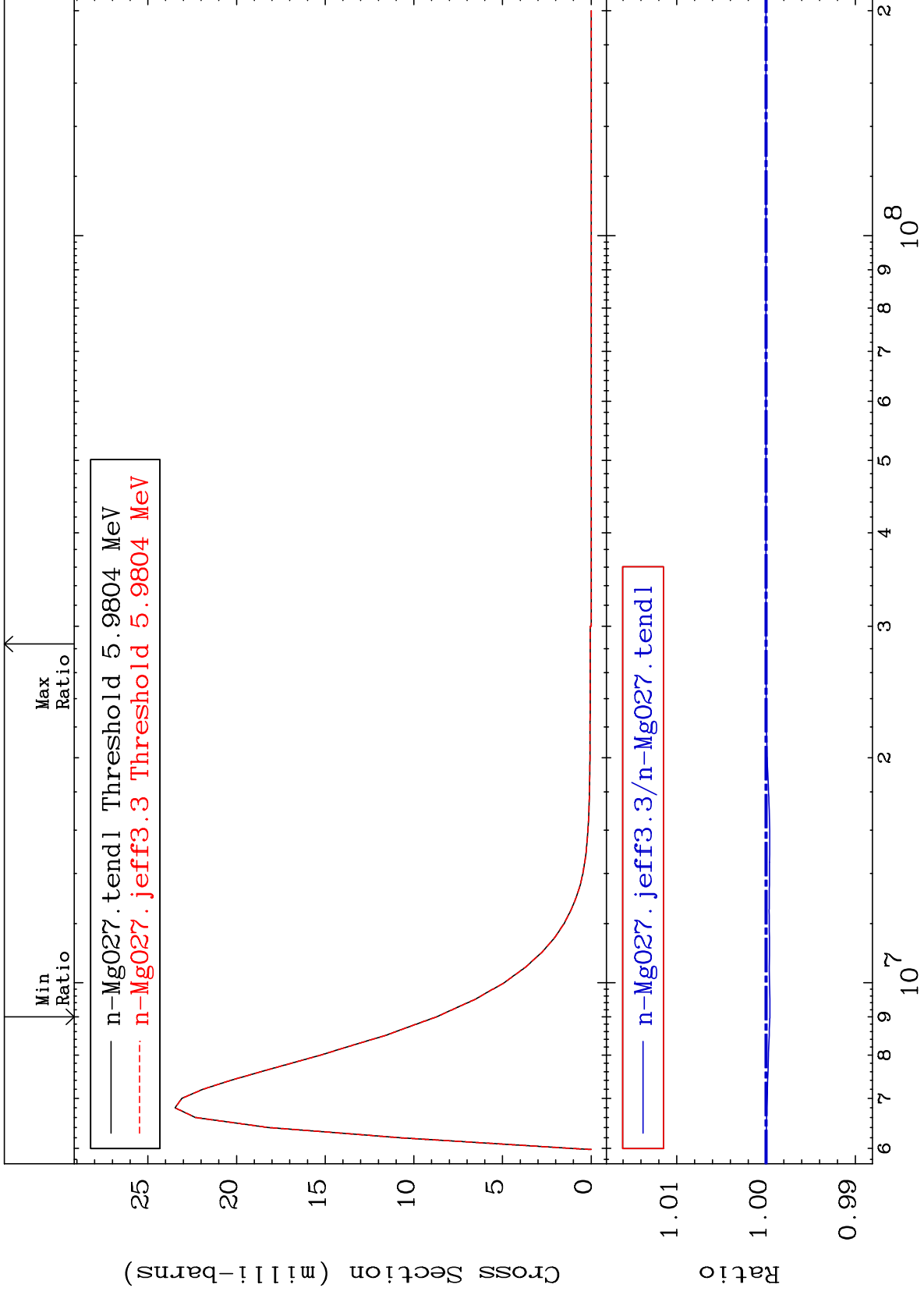
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 76 (n,n') Level
Cross Section

12-Mg-27
-0.043 To 0.000 %



41

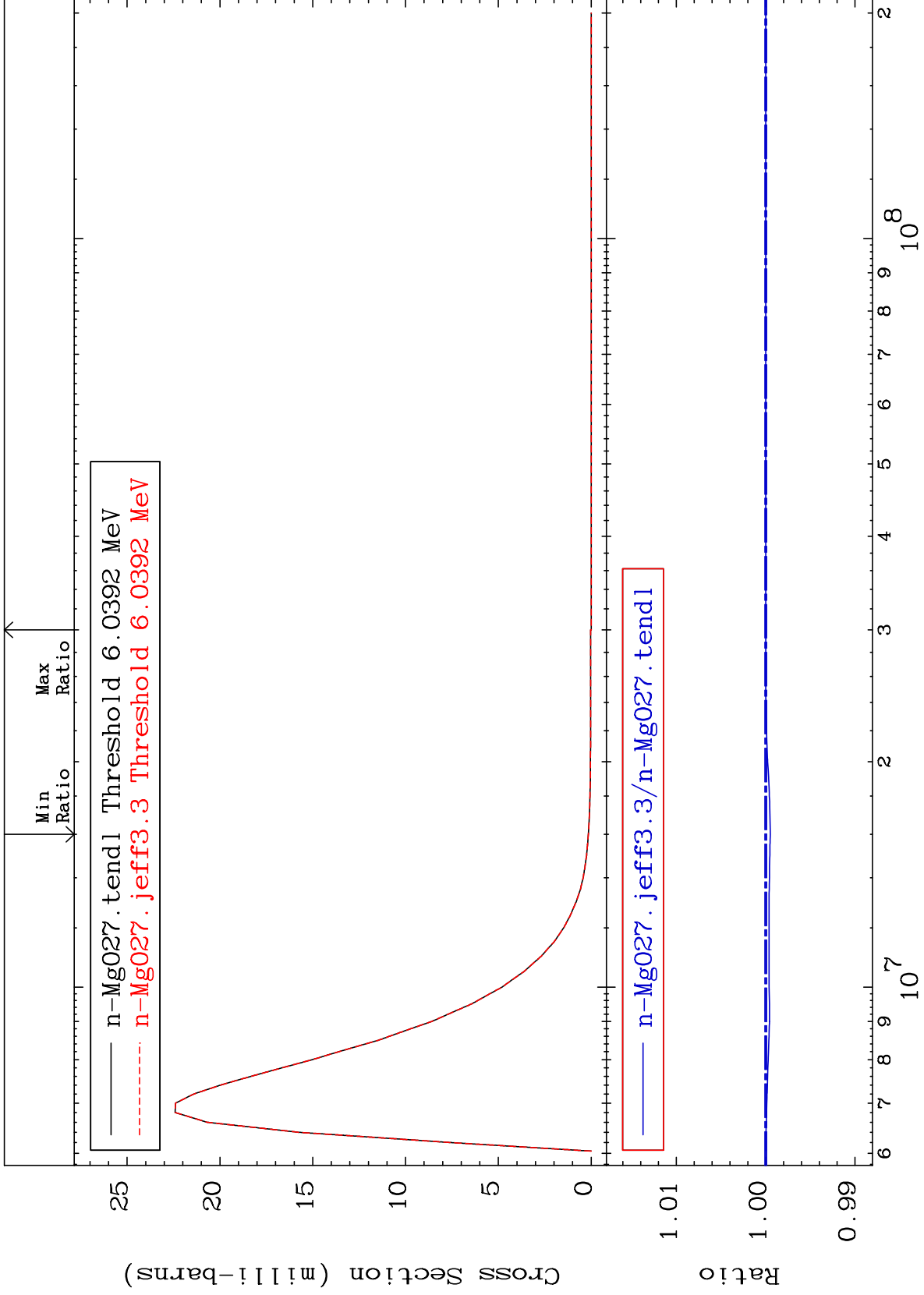
Incident Energy (eV)

12-Mg-27

MAT 1234

MT= 77 (n,n') Level
Cross Section

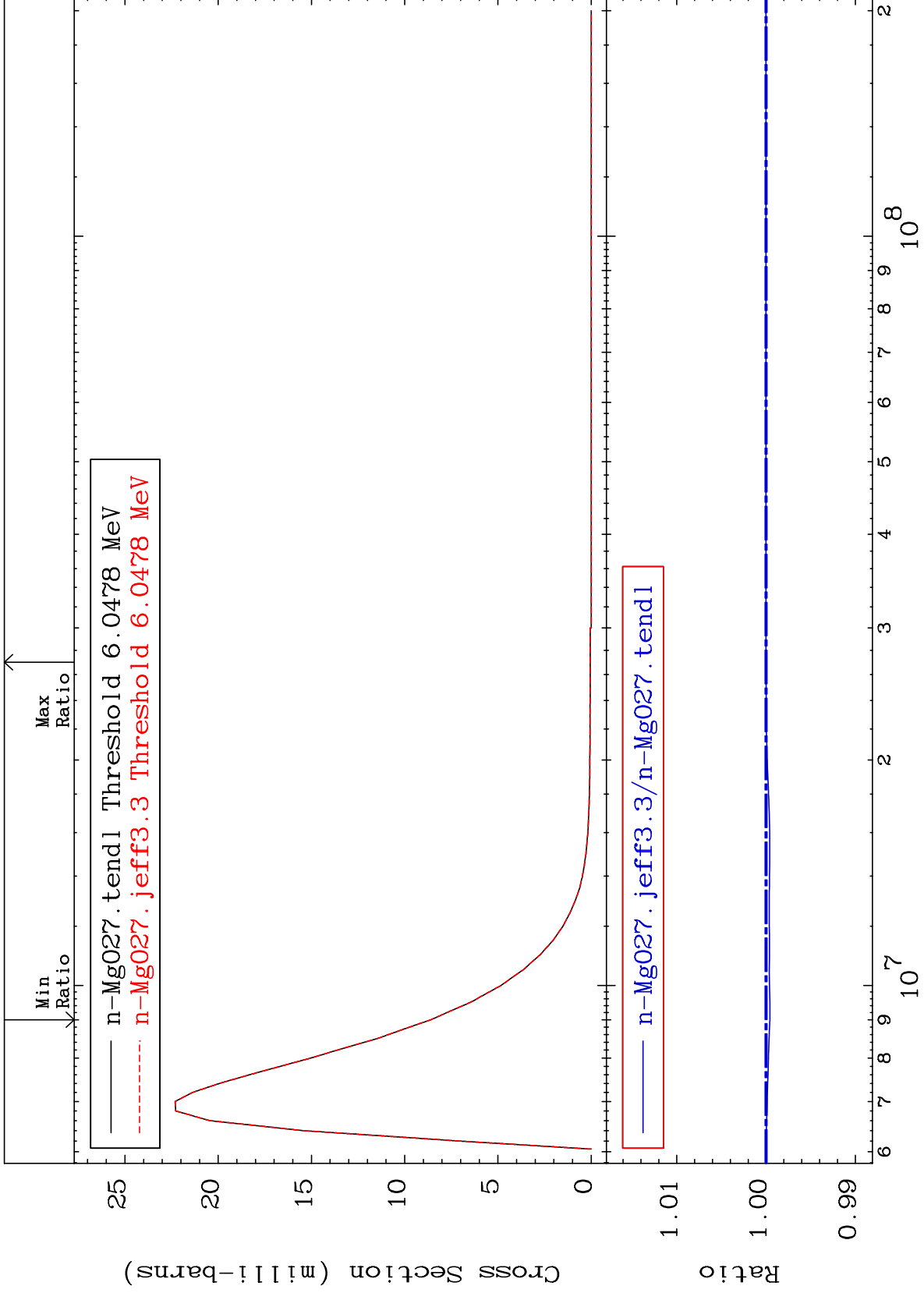
12-Mg-27
-0.051 To 0.000 %



MAT 1234

MT= 78 (n,n') Level
Cross Section

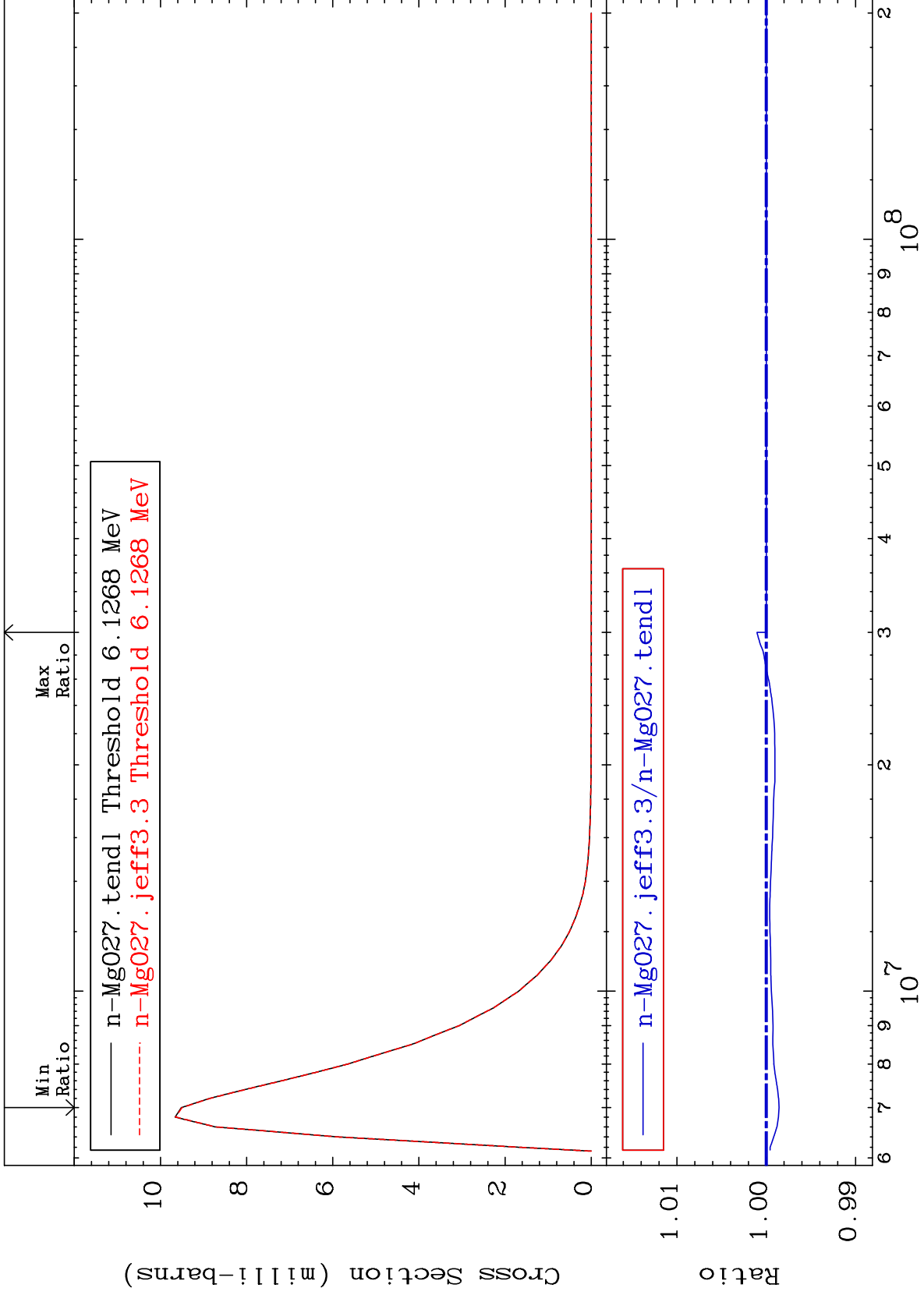
12-Mg-27
-0.043 To 0.000 %



MAT 1234

MT= 79 (n,n') Level
Cross Section

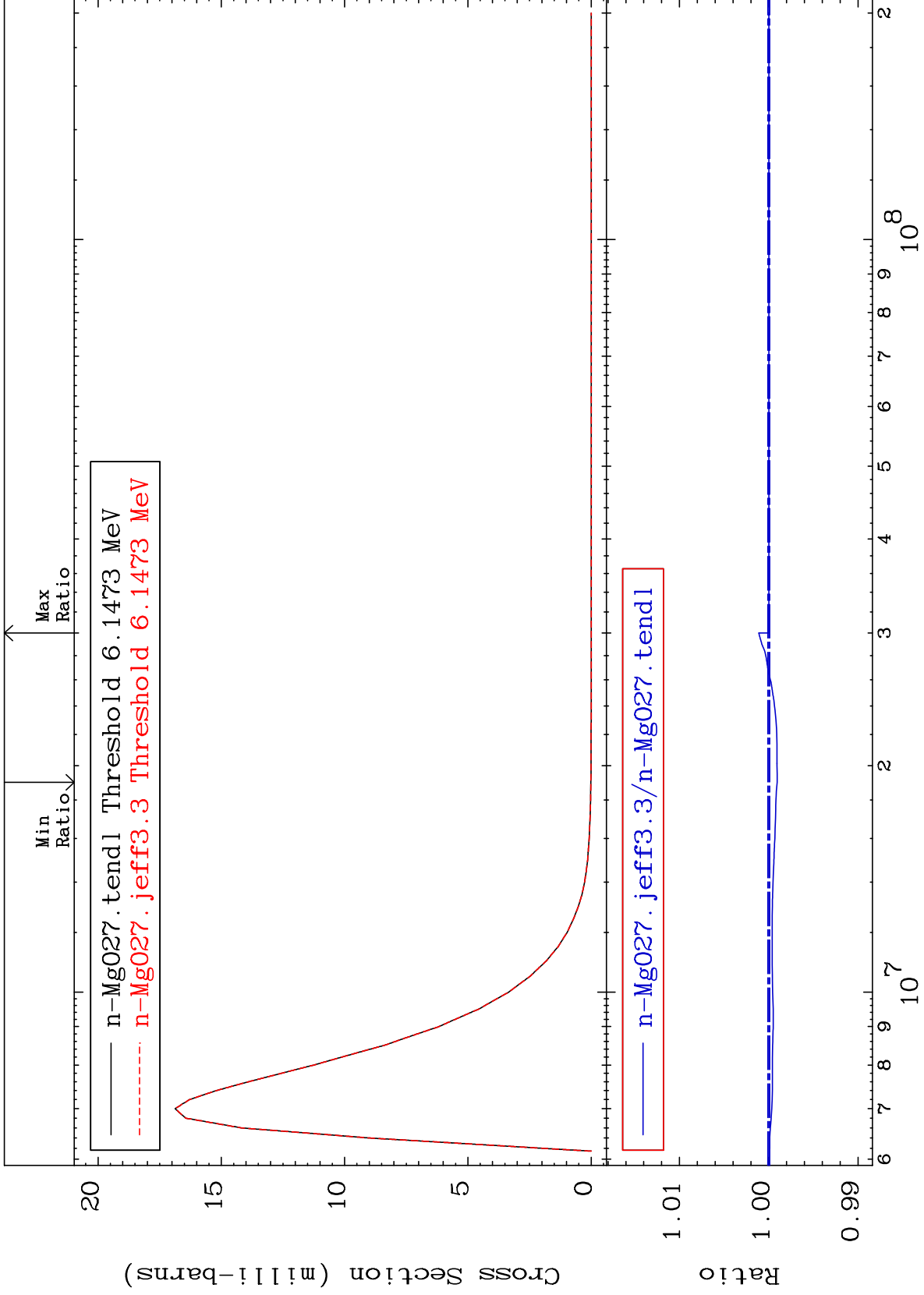
12-Mg-27
-0.142 To 0.105 %



MAT 1234

MT= 80 (n,n') Level
Cross Section

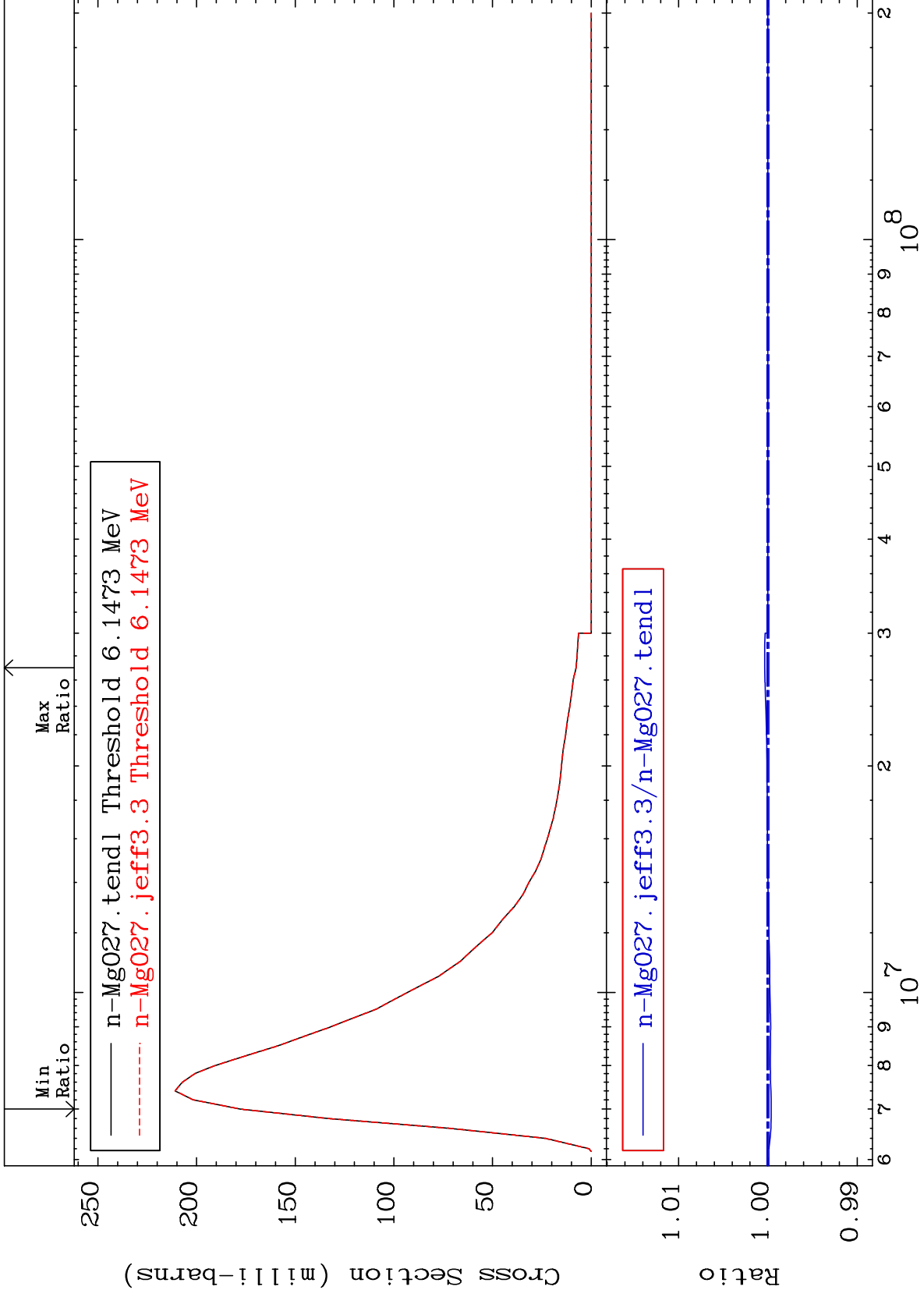
12-Mg-27
-0.094 To 0.113 %



MAT 1234

(n, n') Continuum
Cross Section

12-Mg-27
-0.038 To 0.036 %



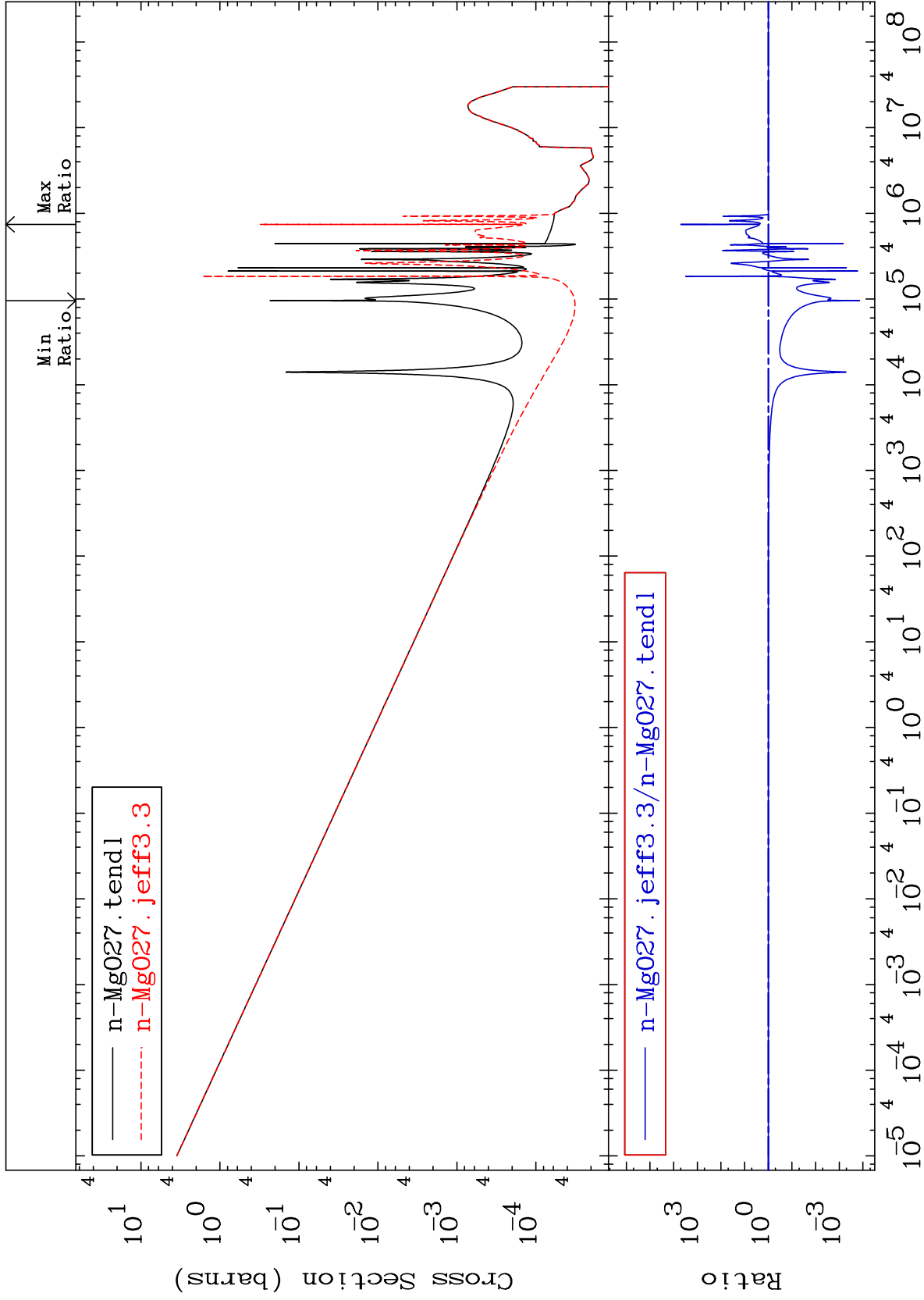
MAT 1234

(n, γ)

12-Mg-27

Cross Section

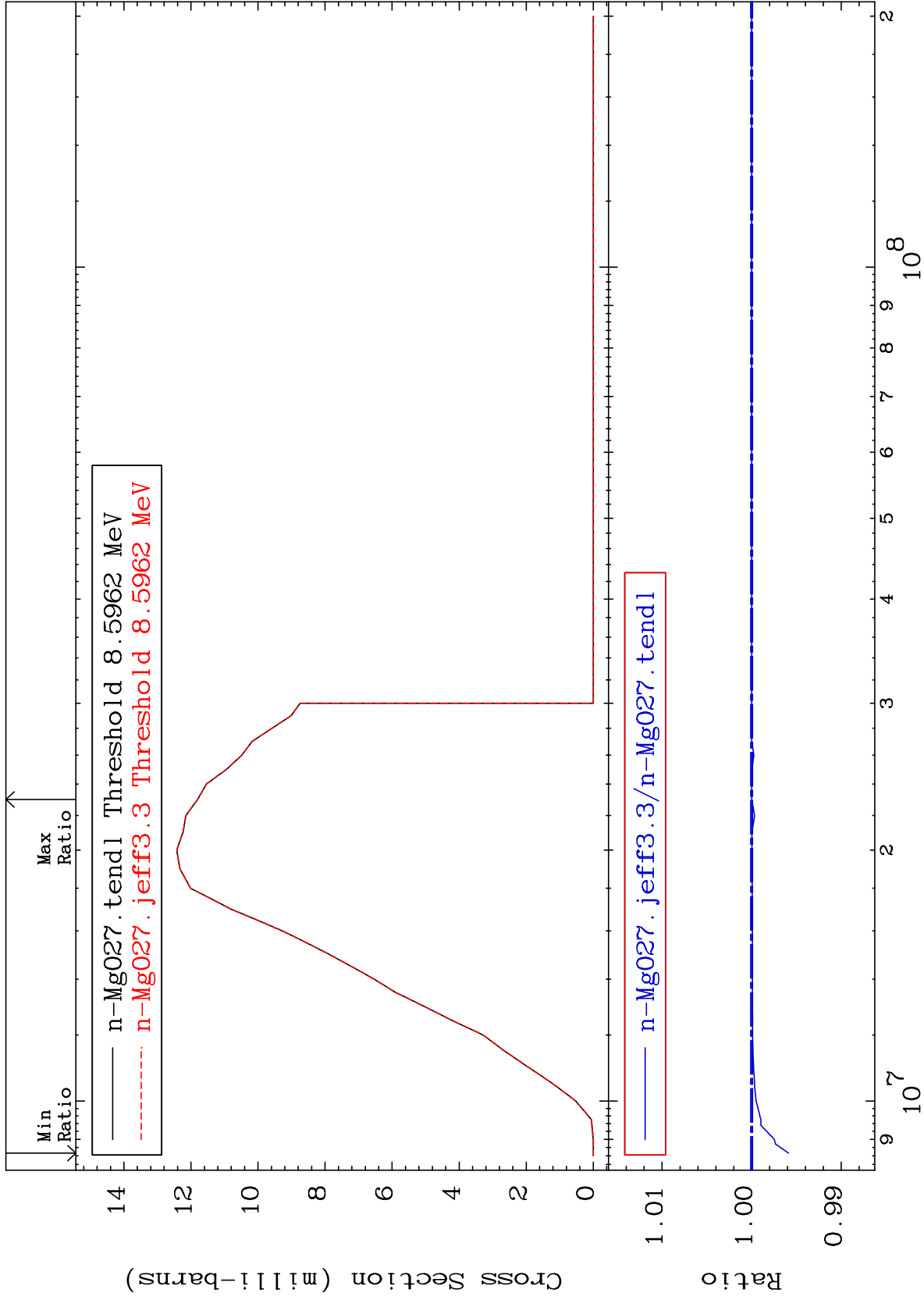
-99.99 To 9999. %



MAT 1234

(n,p)
Cross Section

12-Mg-27
-0.413 To 0.000 %



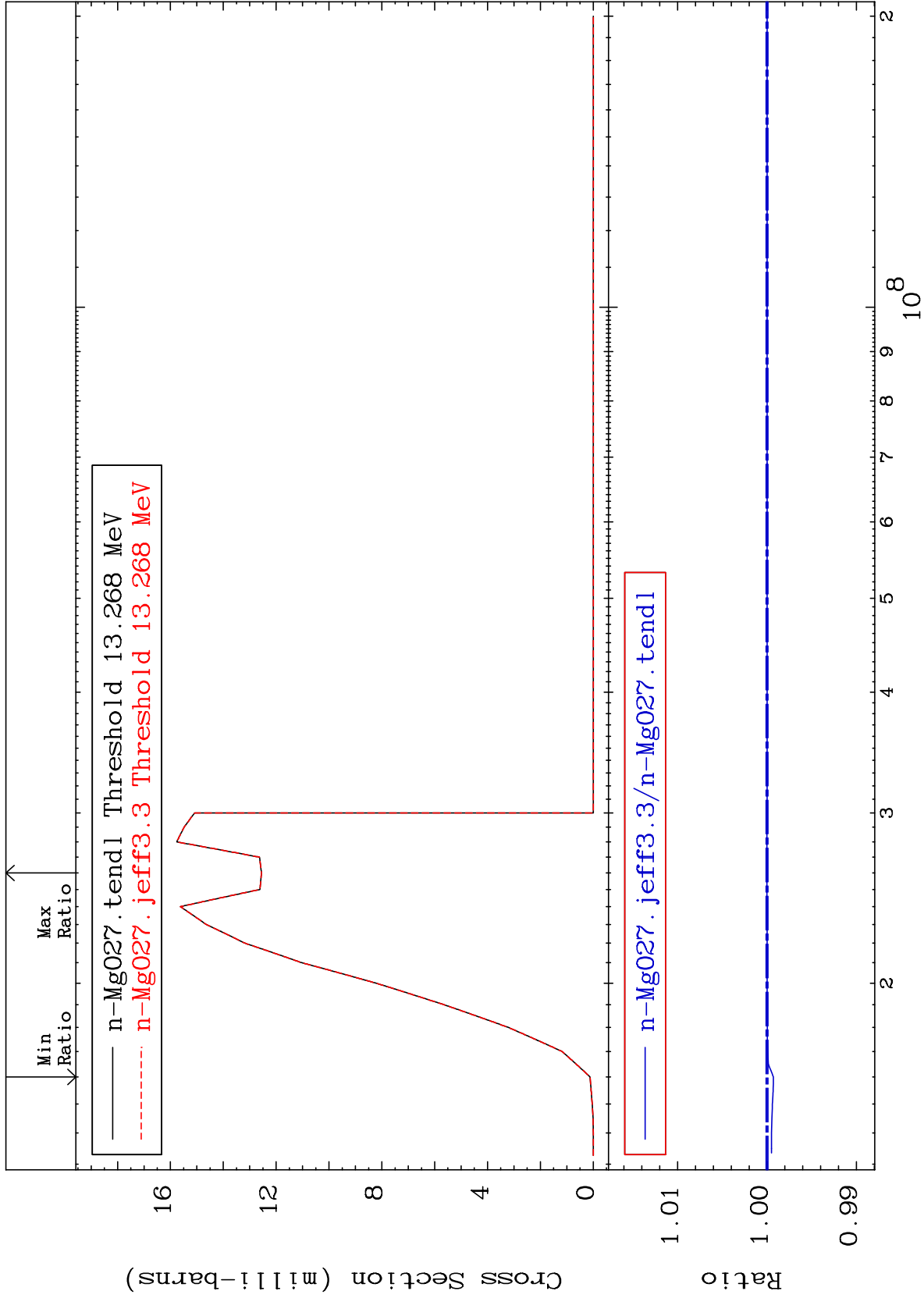
MAT 1234

(n, d)

12-Mg-27

Cross Section

-0.071 To 0.000 %



49

Incident Energy (eV)

12-Mg-27

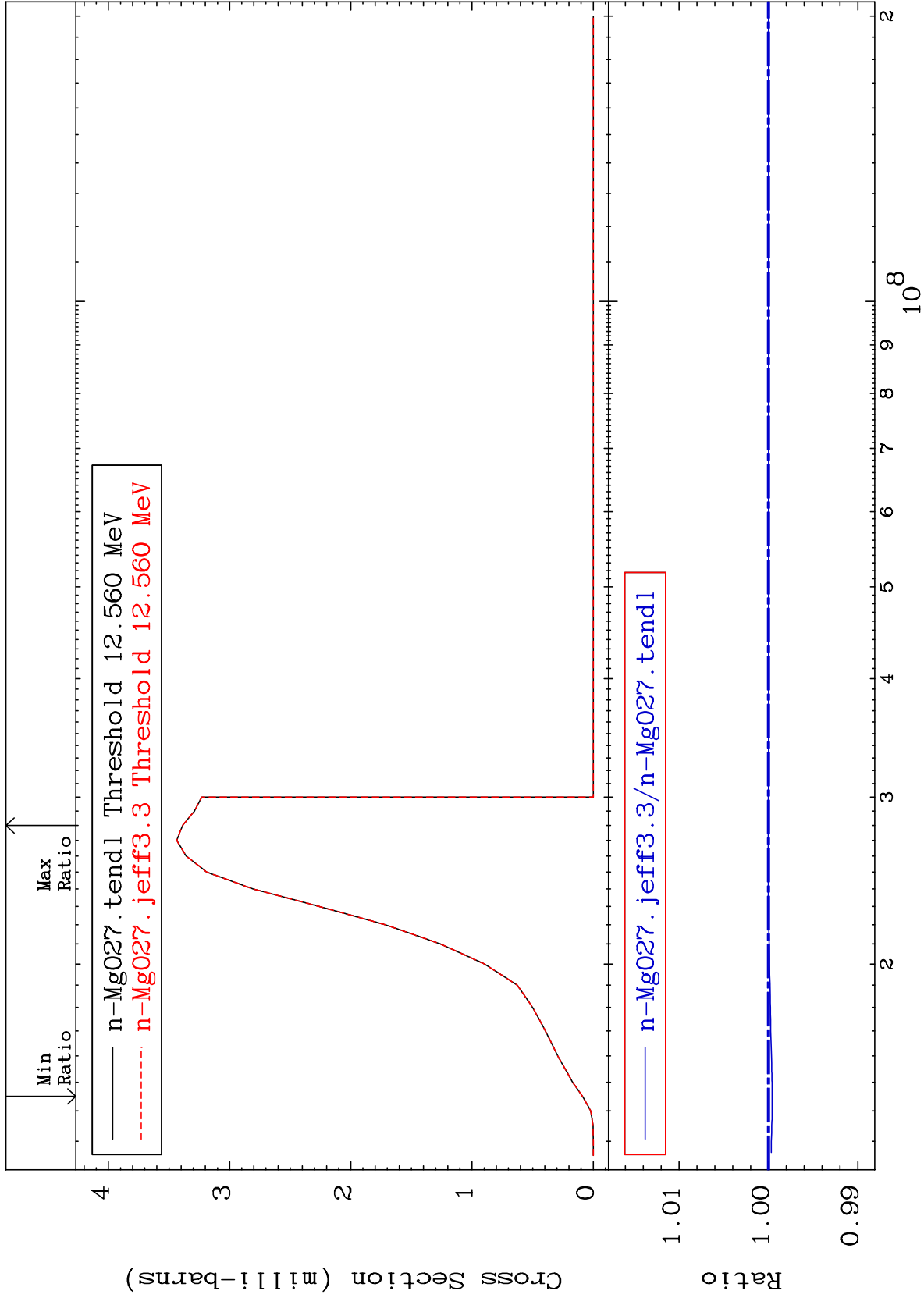
MAT 1234

(n, t)

12-Mg-27

Cross Section

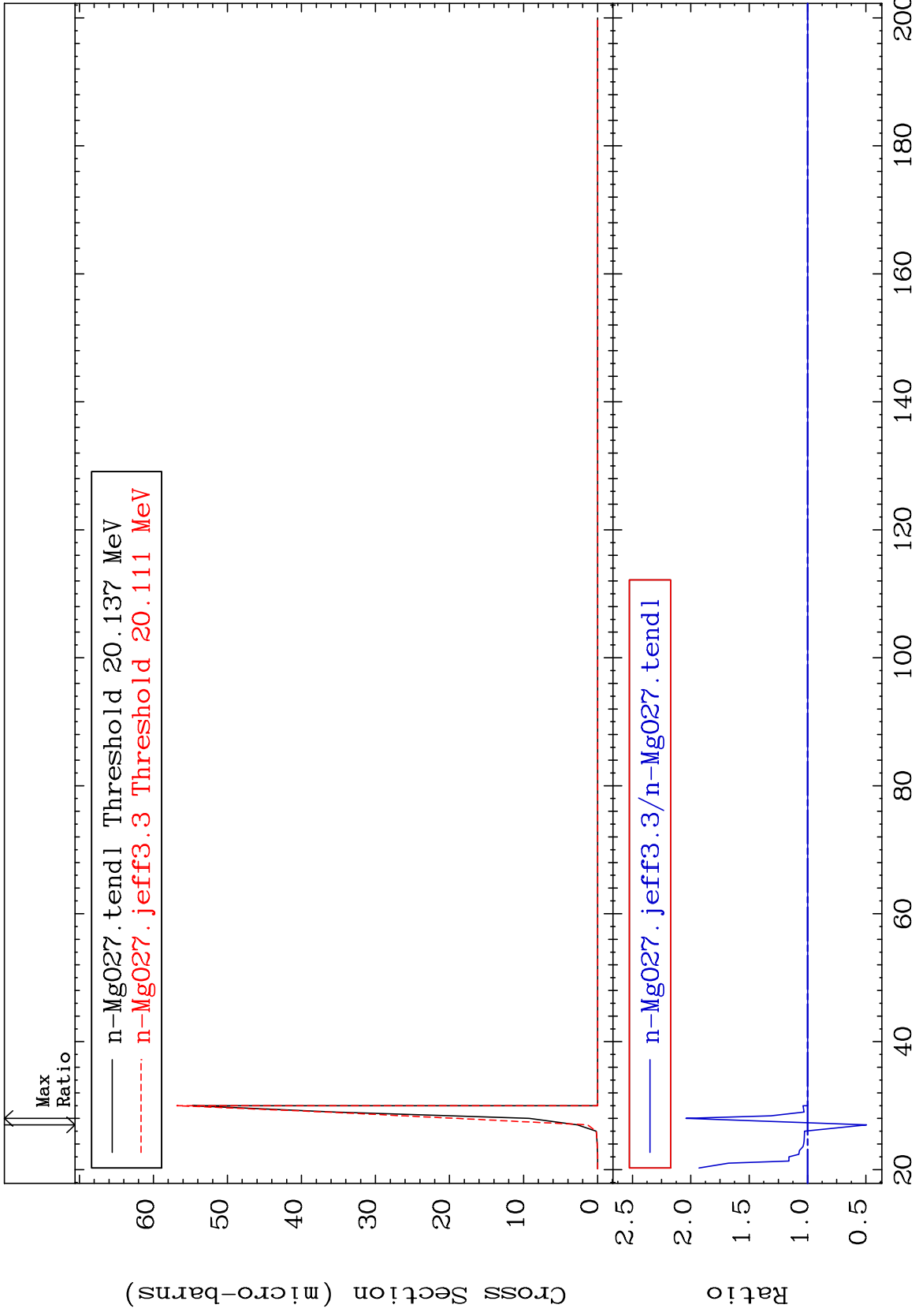
-0.041 To 0.003 %



MAT 1234

(n, He-3)
Cross Section

12-Mg-27
-50.52 To 104.1 %



51

12-Mg-27

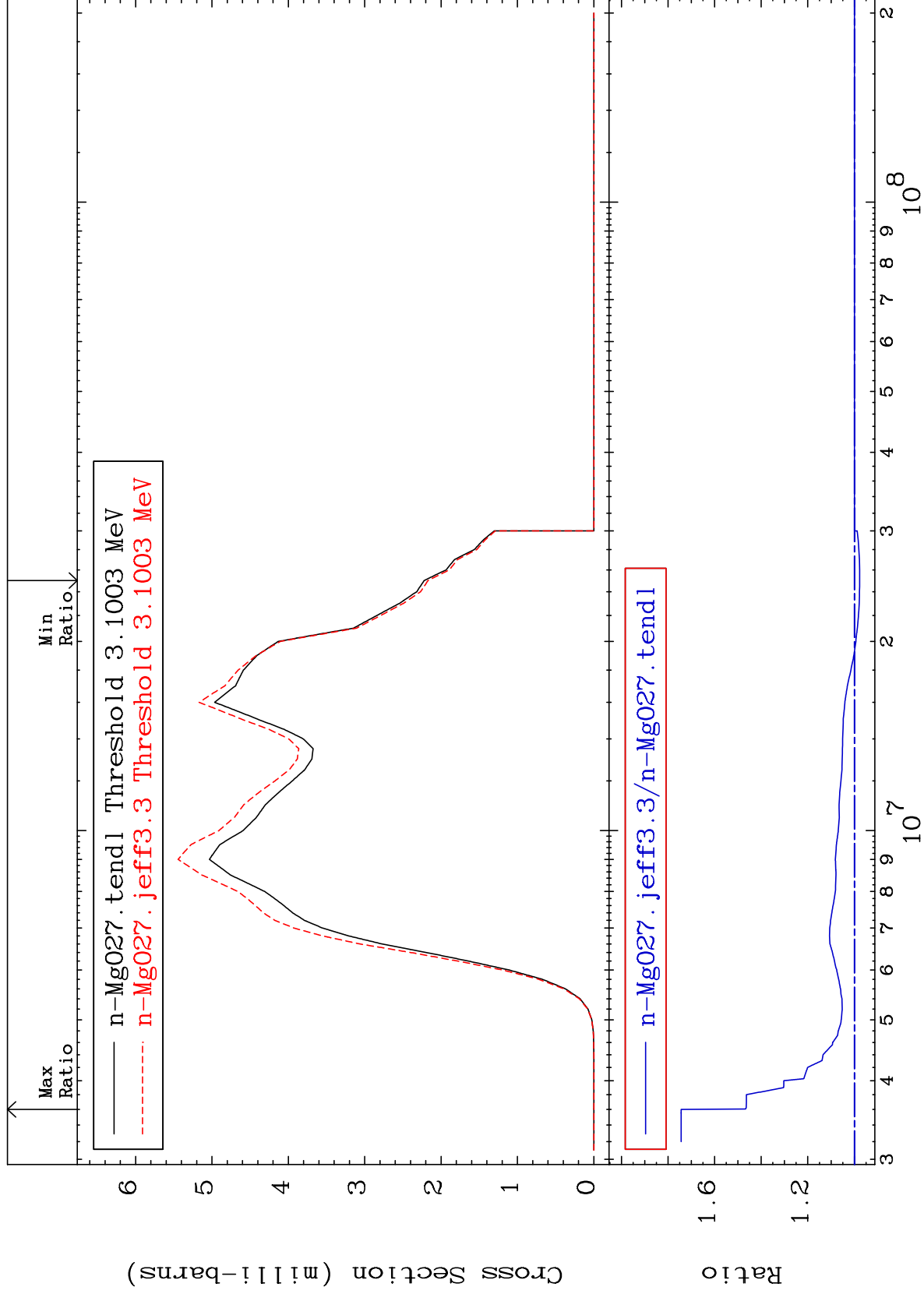
MAT 1234

(n, α)

12-Mg-27

Cross Section

-2.262 To 74.35 %



MAT 1234

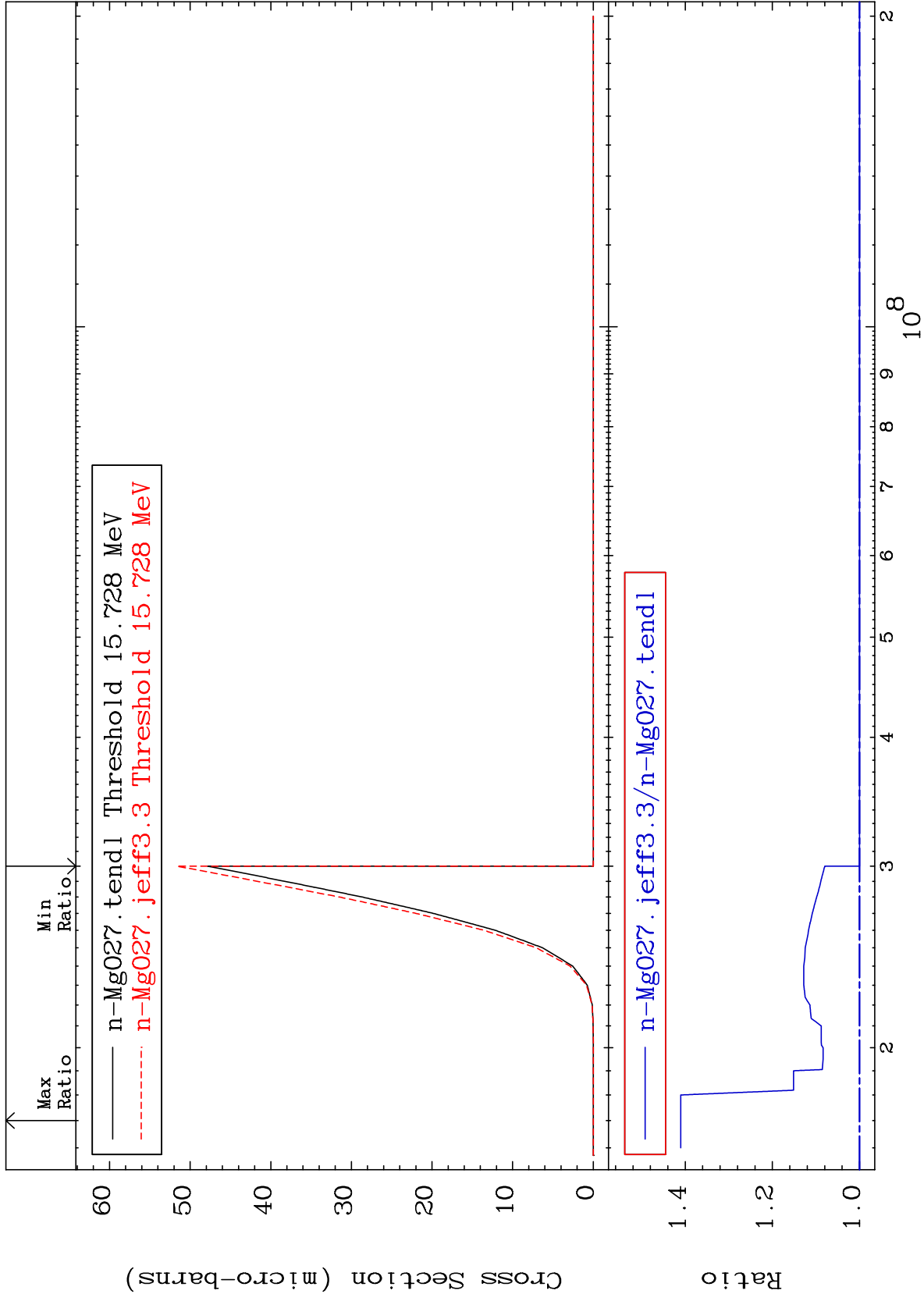
(n,2α)

12-Mg-27

Cross Section

0.000

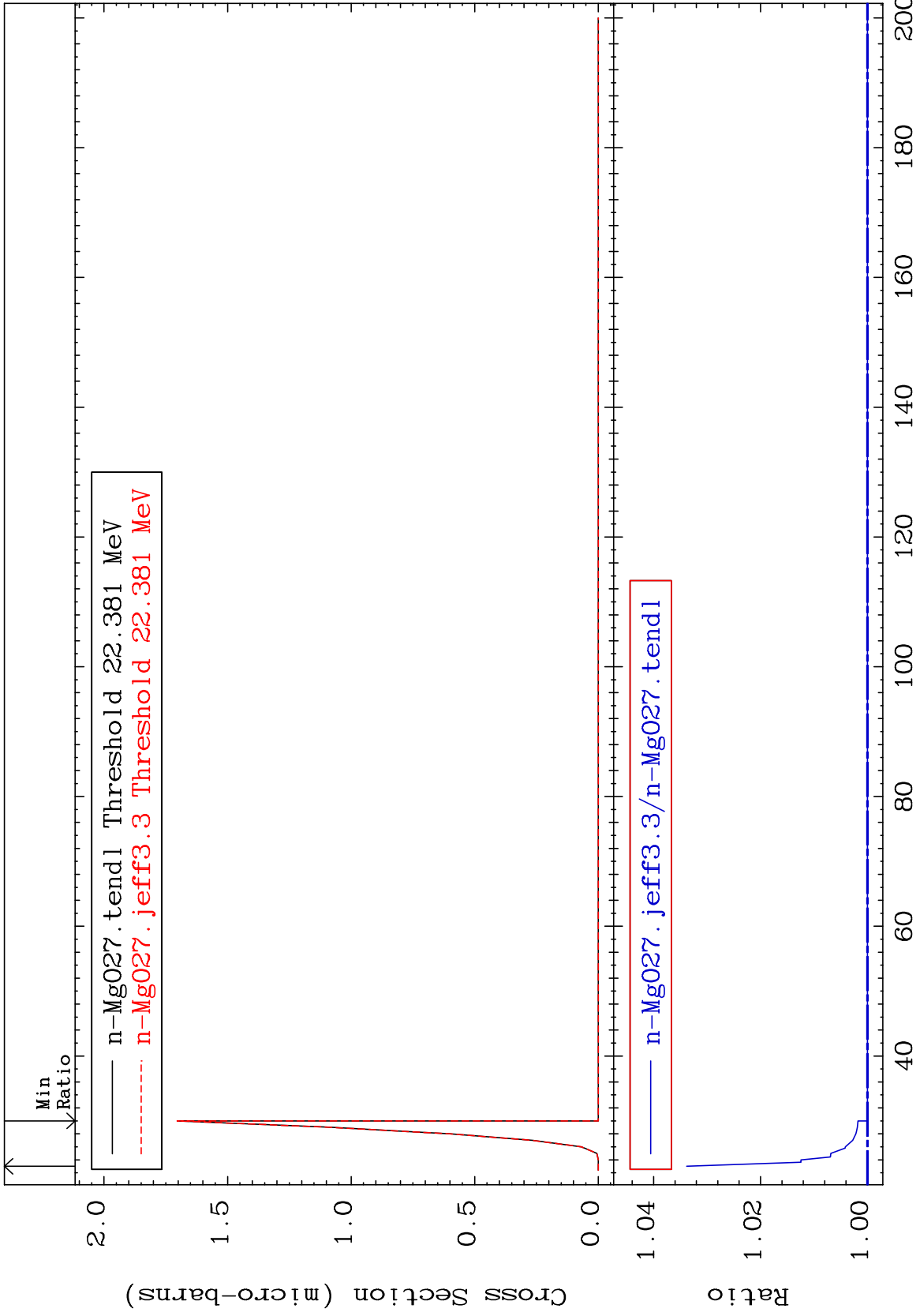
To 41.03 %



MAT 1234

(n,2p)
Cross Section

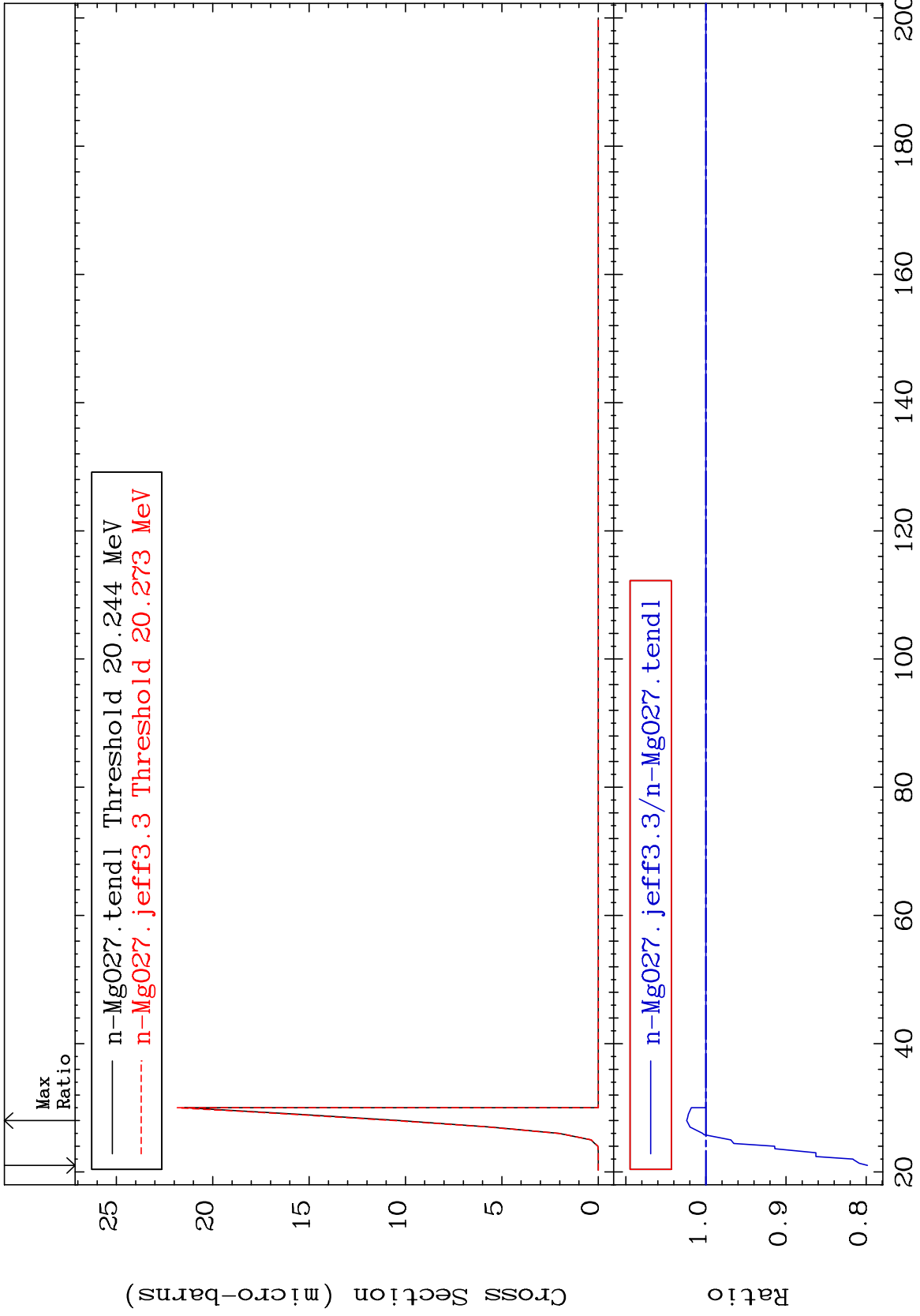
12-Mg-27
0.000 To 3.381 %



MAT 1234

(n, p) α
Cross Section

12-Mg-27
-20.15 To 2.396 %



55

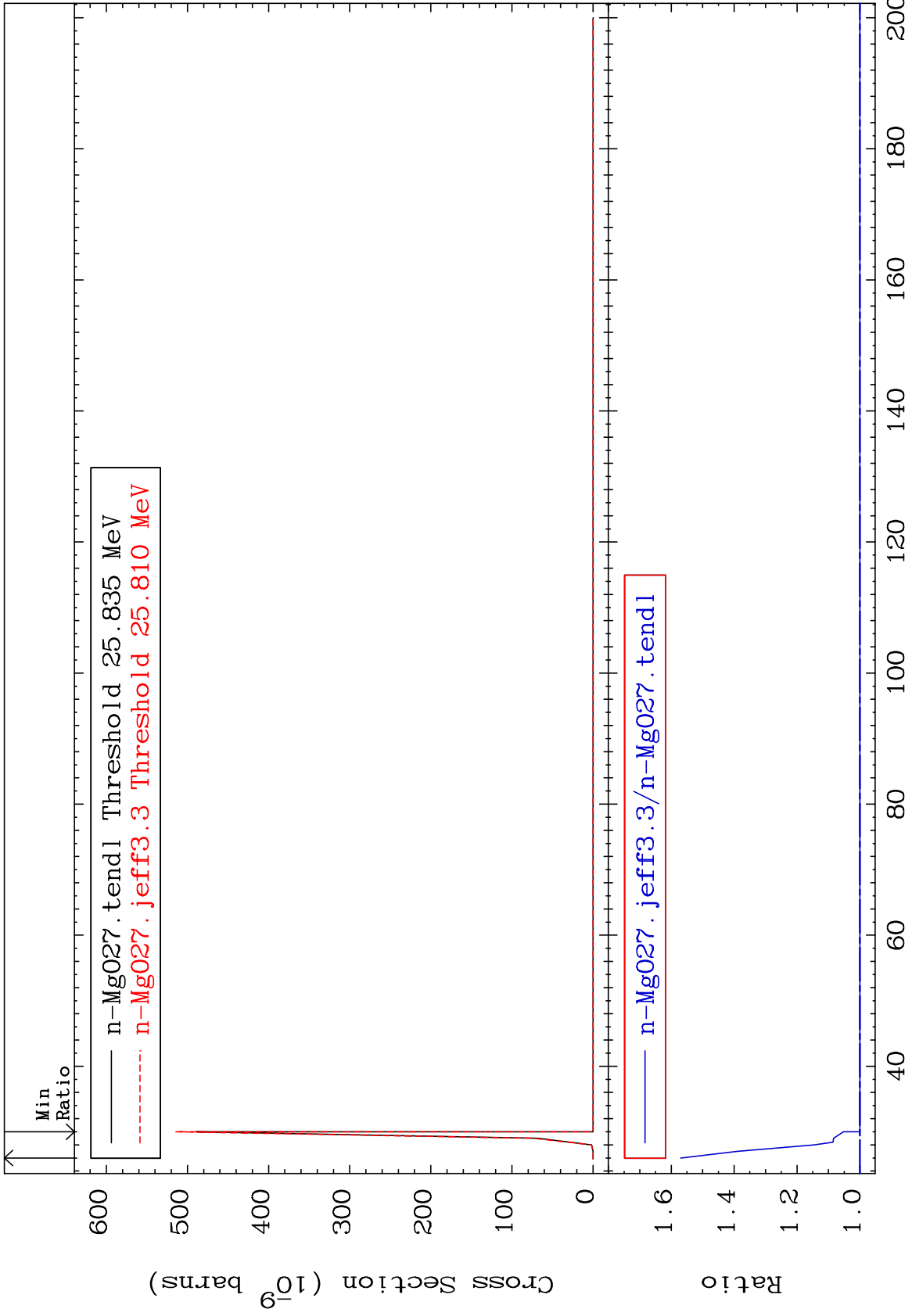
Incident Energy (MeV)

12-Mg-27

MAT 1234

(n,p) d
Cross Section

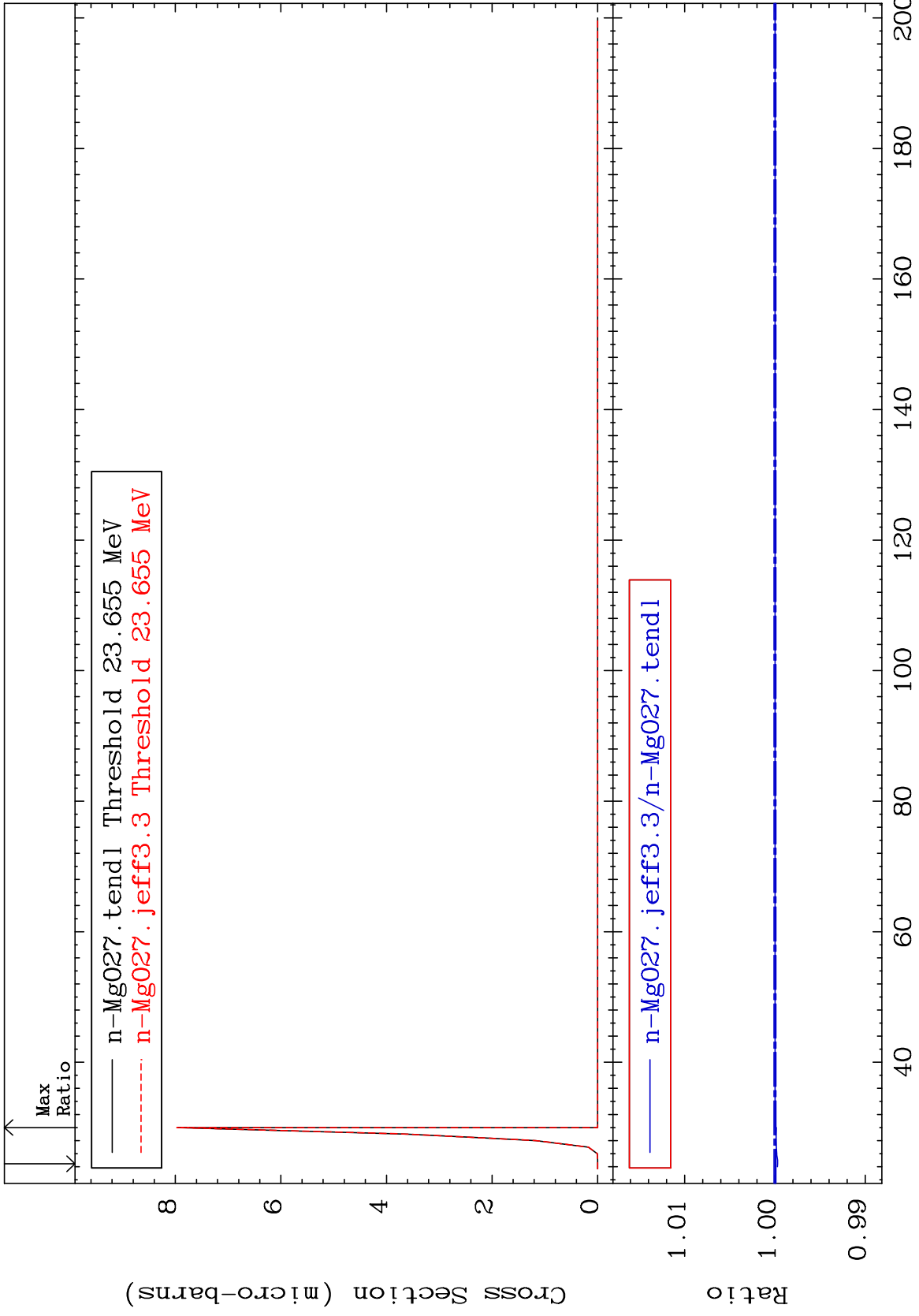
12-Mg-27
0.000 To 56.98 %



MAT 1234

(n,p) t
Cross Section

12-Mg-27
-0.028 To 0.000 %



57

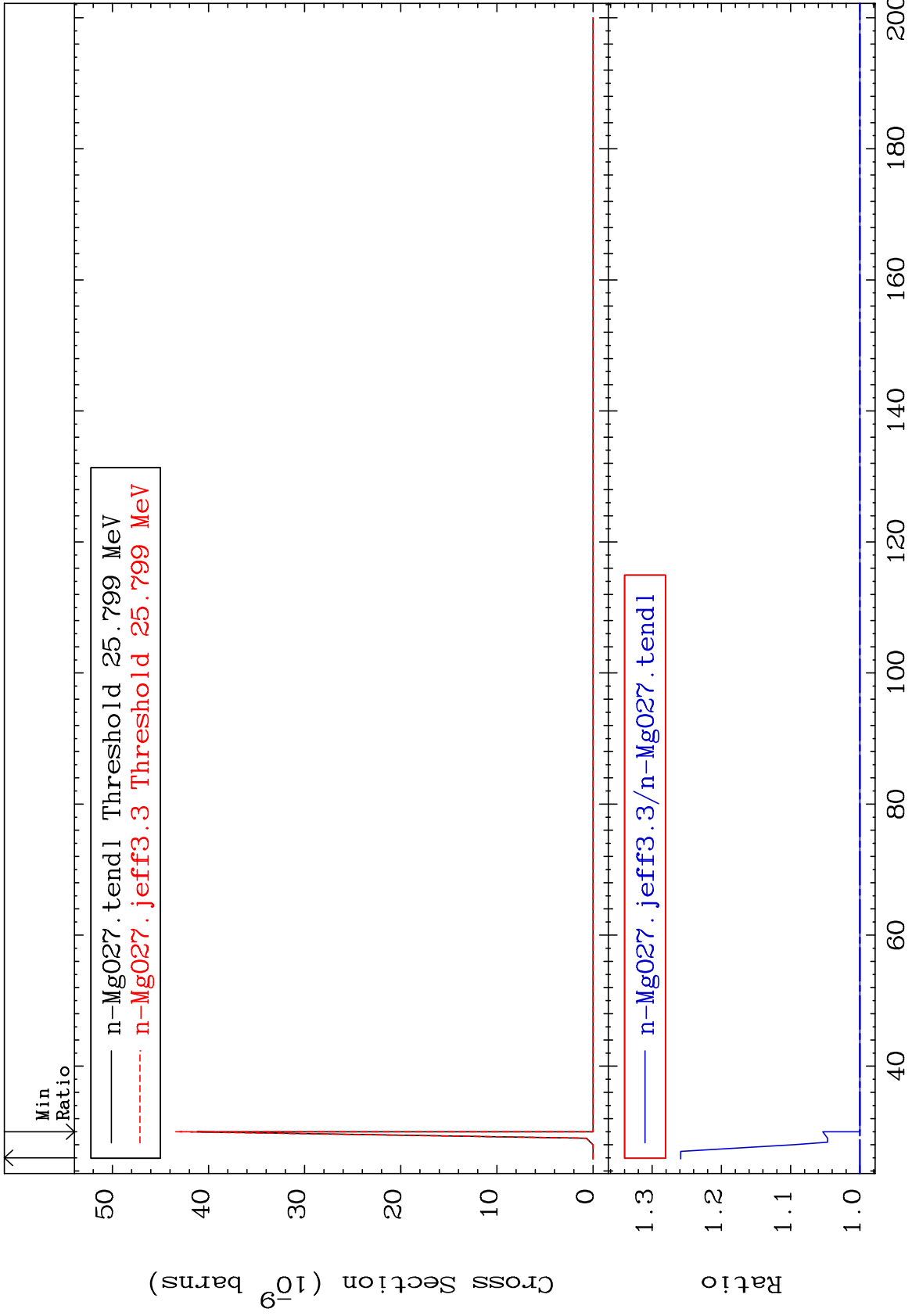
Incident Energy (MeV)

12-Mg-27

MAT 1234

(n, d) α
Cross Section

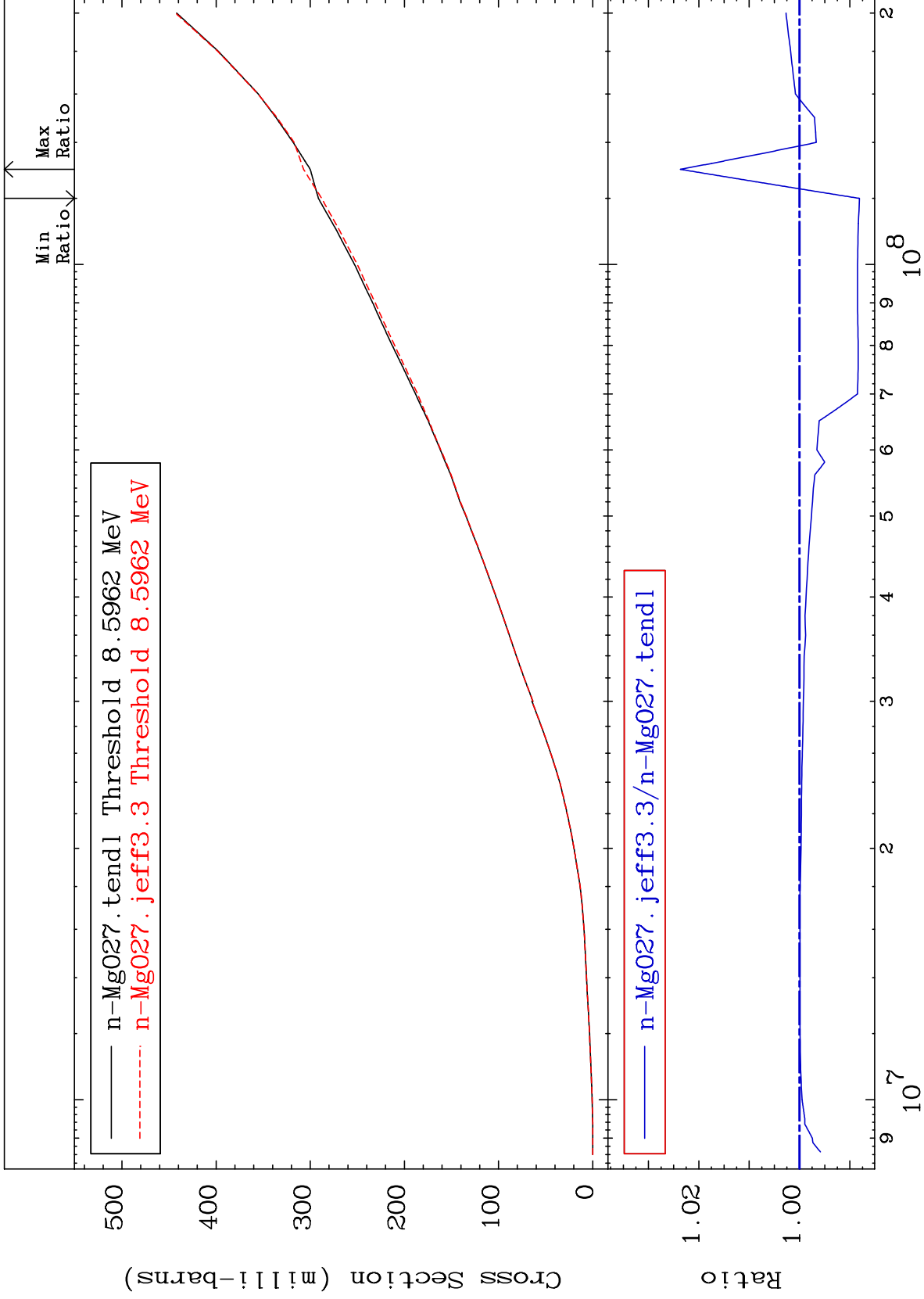
12-Mg-27
0.000 To 25.88 %



MAT 1234

Hydrogen Production
Cross Section

12-Mg-27
-1.189 To 2.367 %



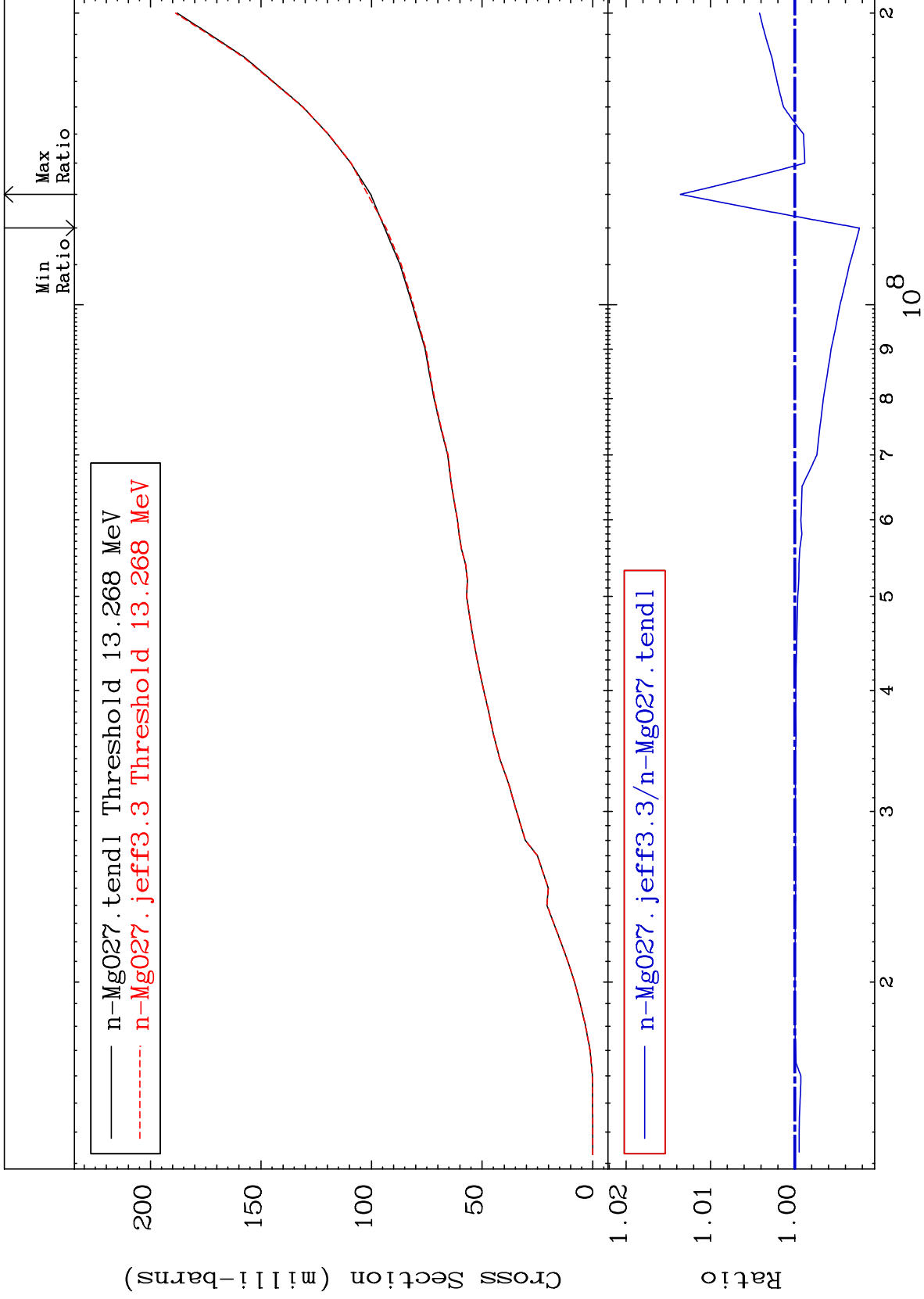
59

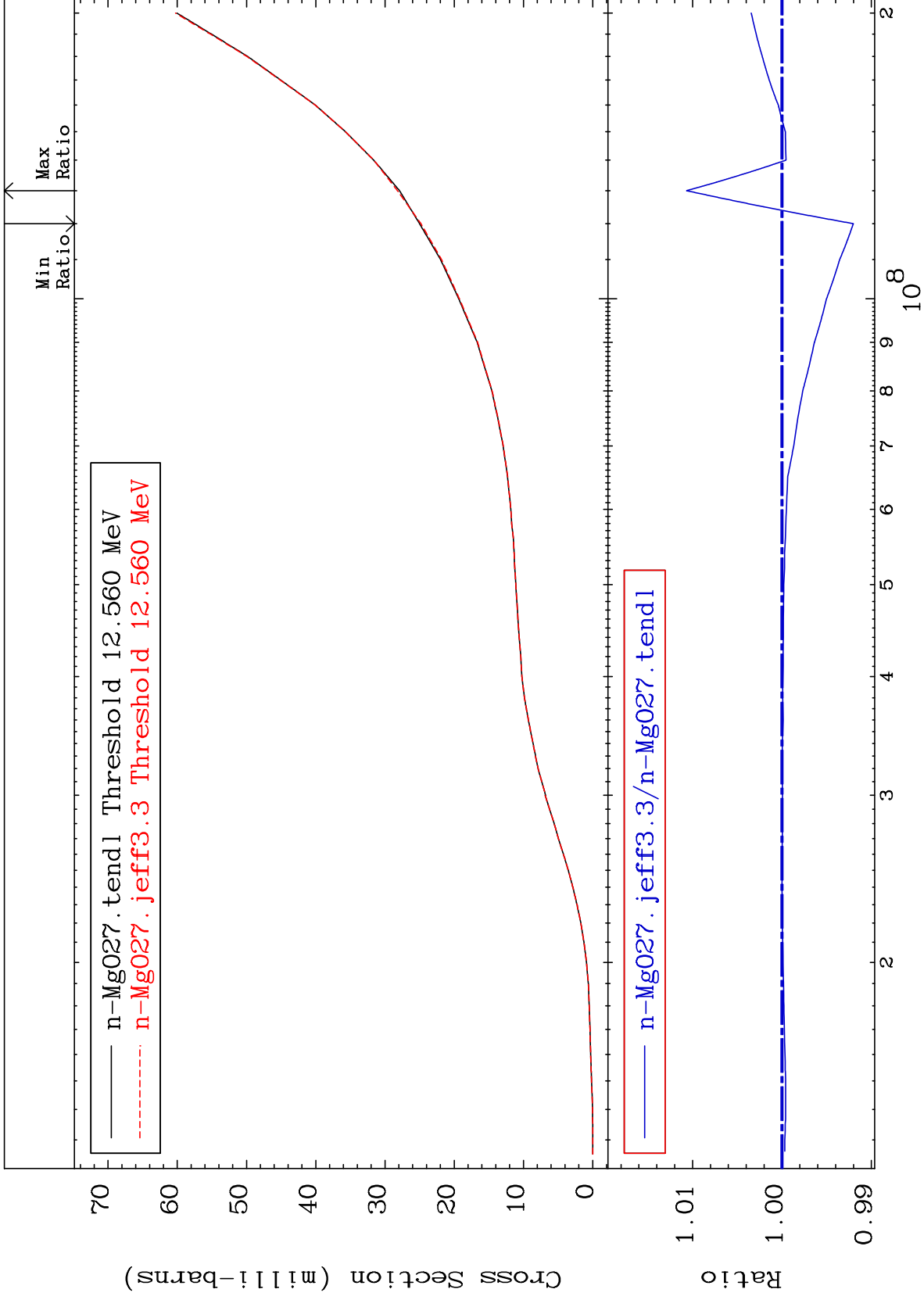
Incident Energy (eV)

12-Mg-27

Deuterium Production
Cross Section

12-Mg-27
-0.766 To 1.357 %

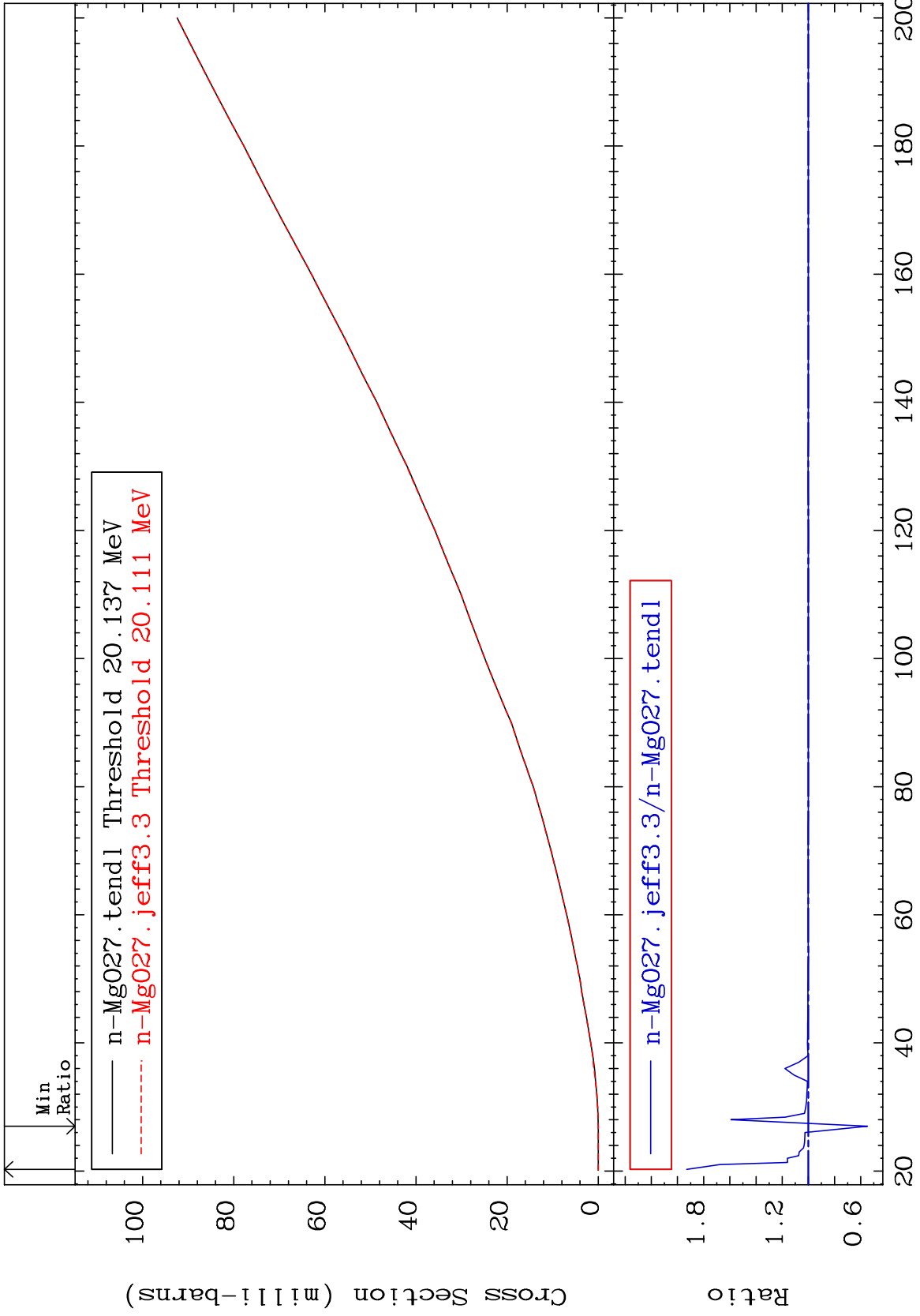




MAT 1234

He-3 Production
Cross Section

12-Mg-27
-45.14 To 92.96 %



62

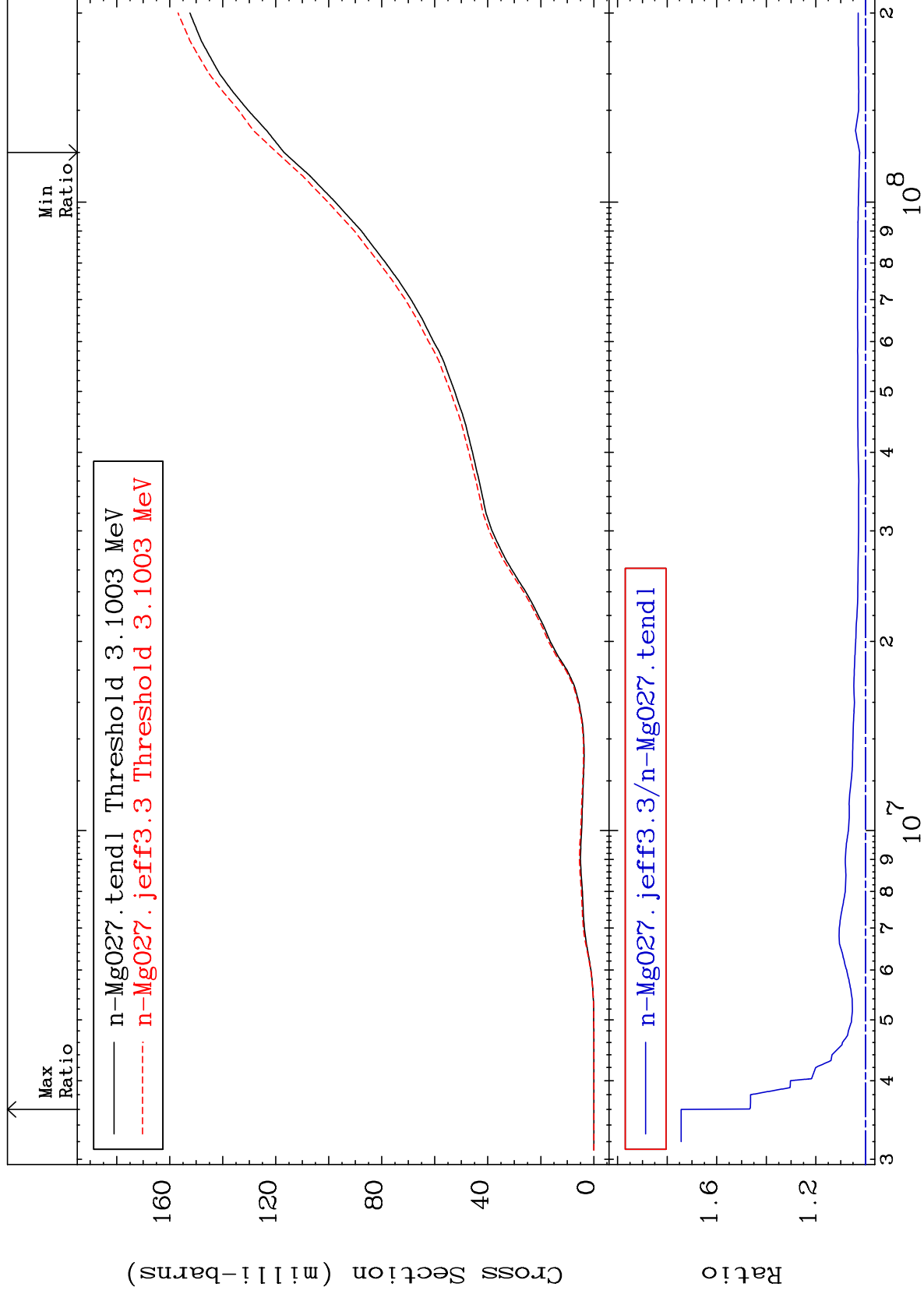
Incident Energy (MeV)

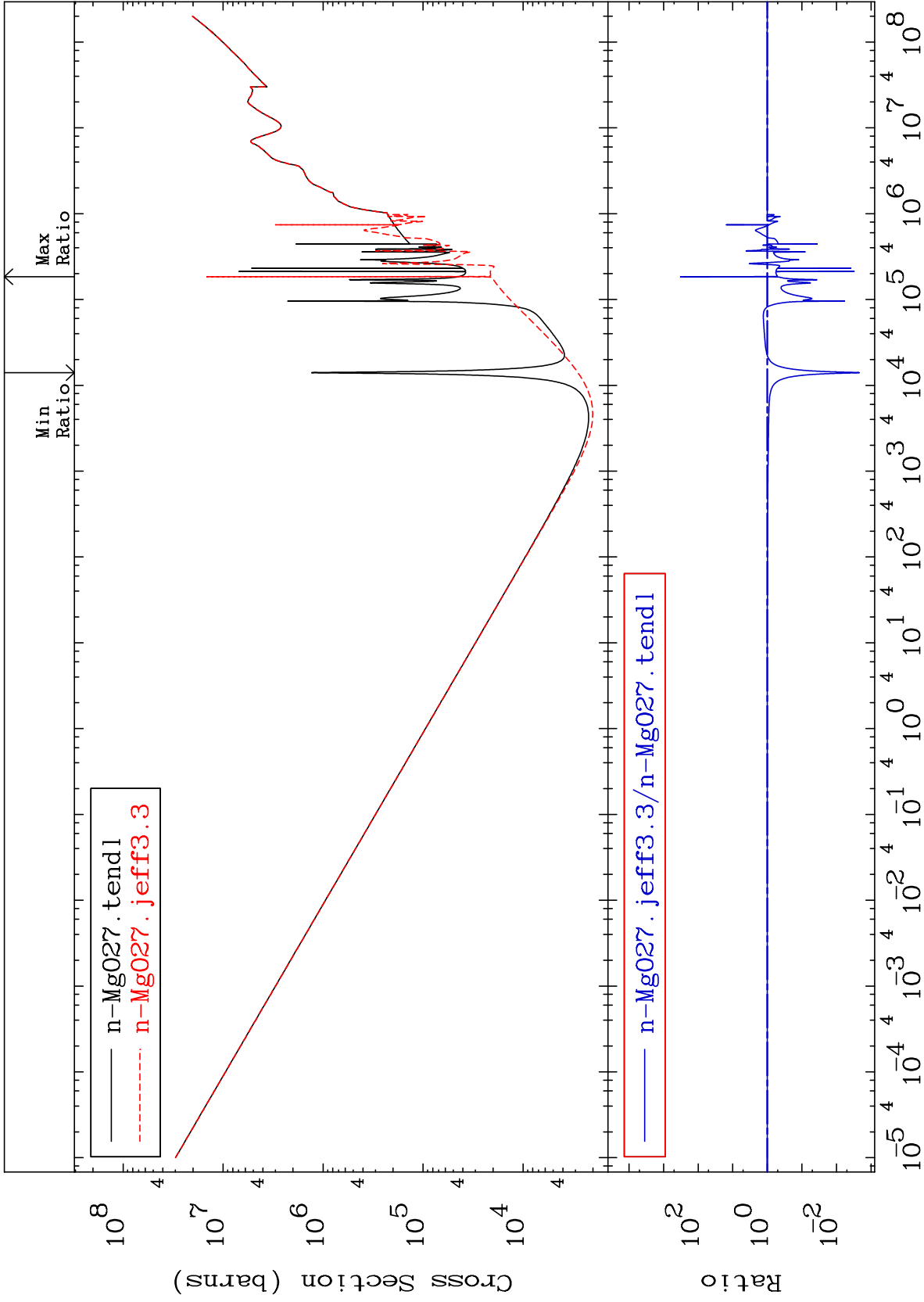
12-Mg-27

MAT 1234

He-4 Production
Cross Section

12-Mg-27
To 74.35 %
2.340

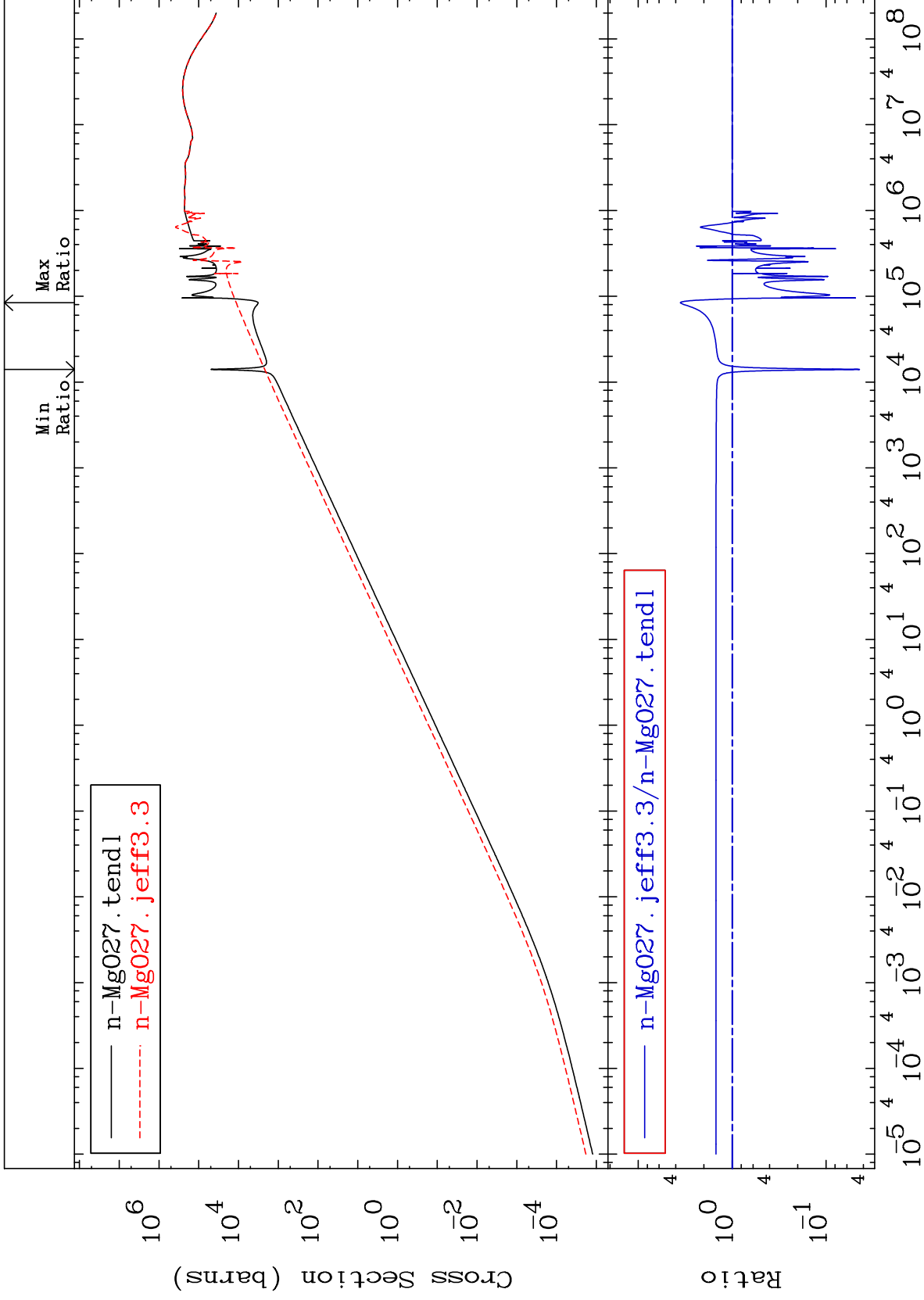


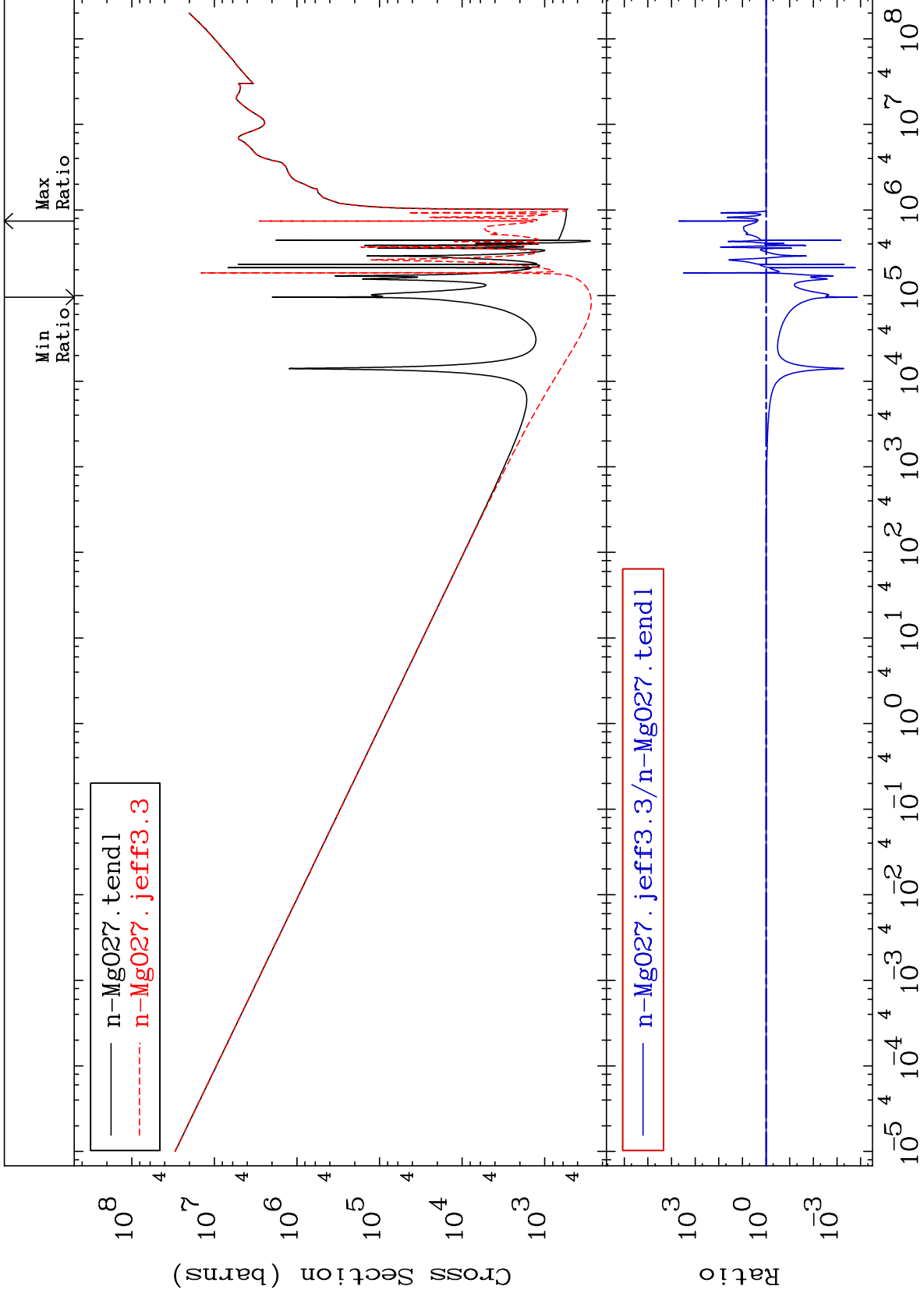


MAT 1234

Kerma elastic
Cross Section

12-Mg-27
-95.59 To 256.3 %

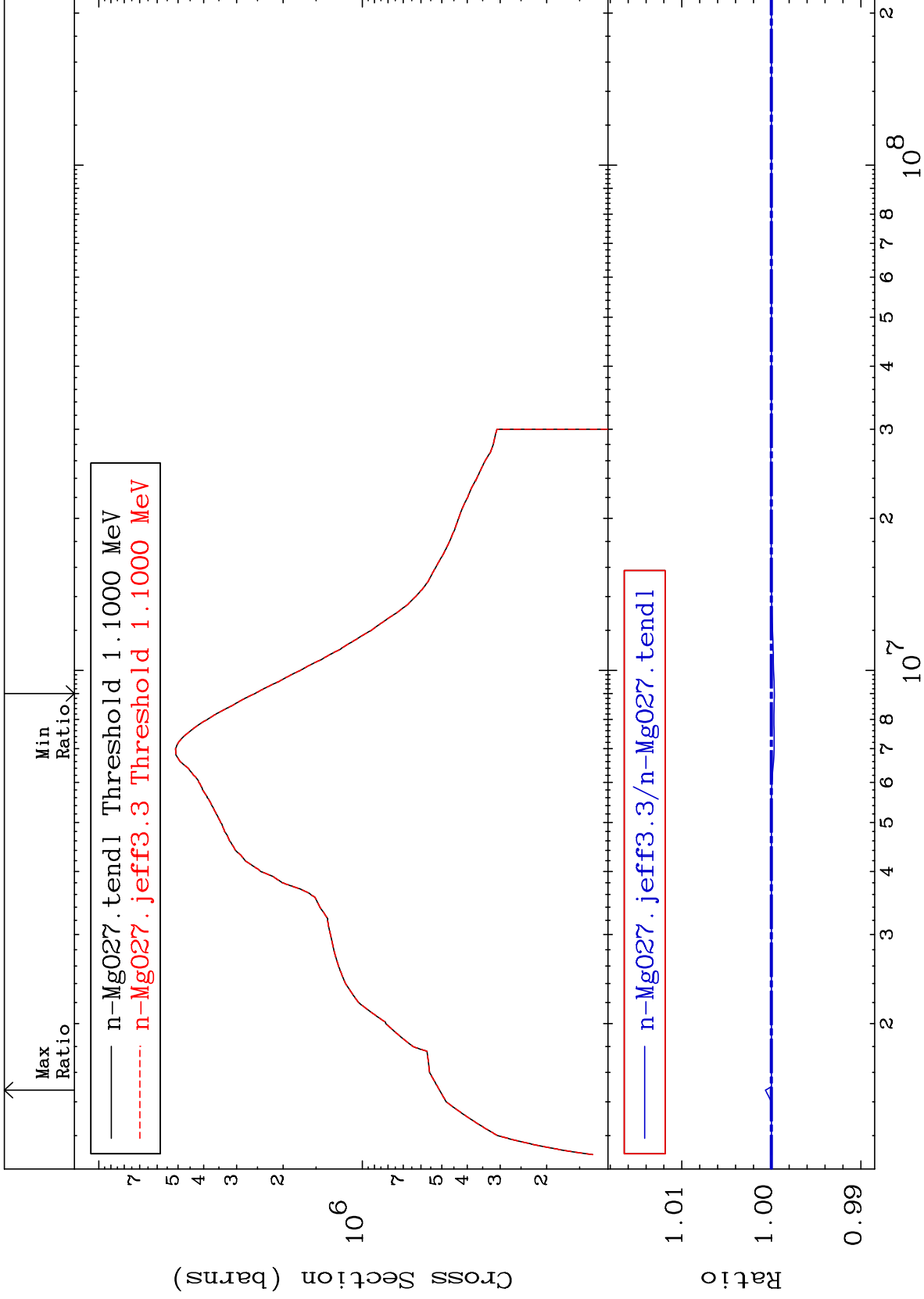




MAT 1234

Kerma inelastic (mt51-91)
Cross Section

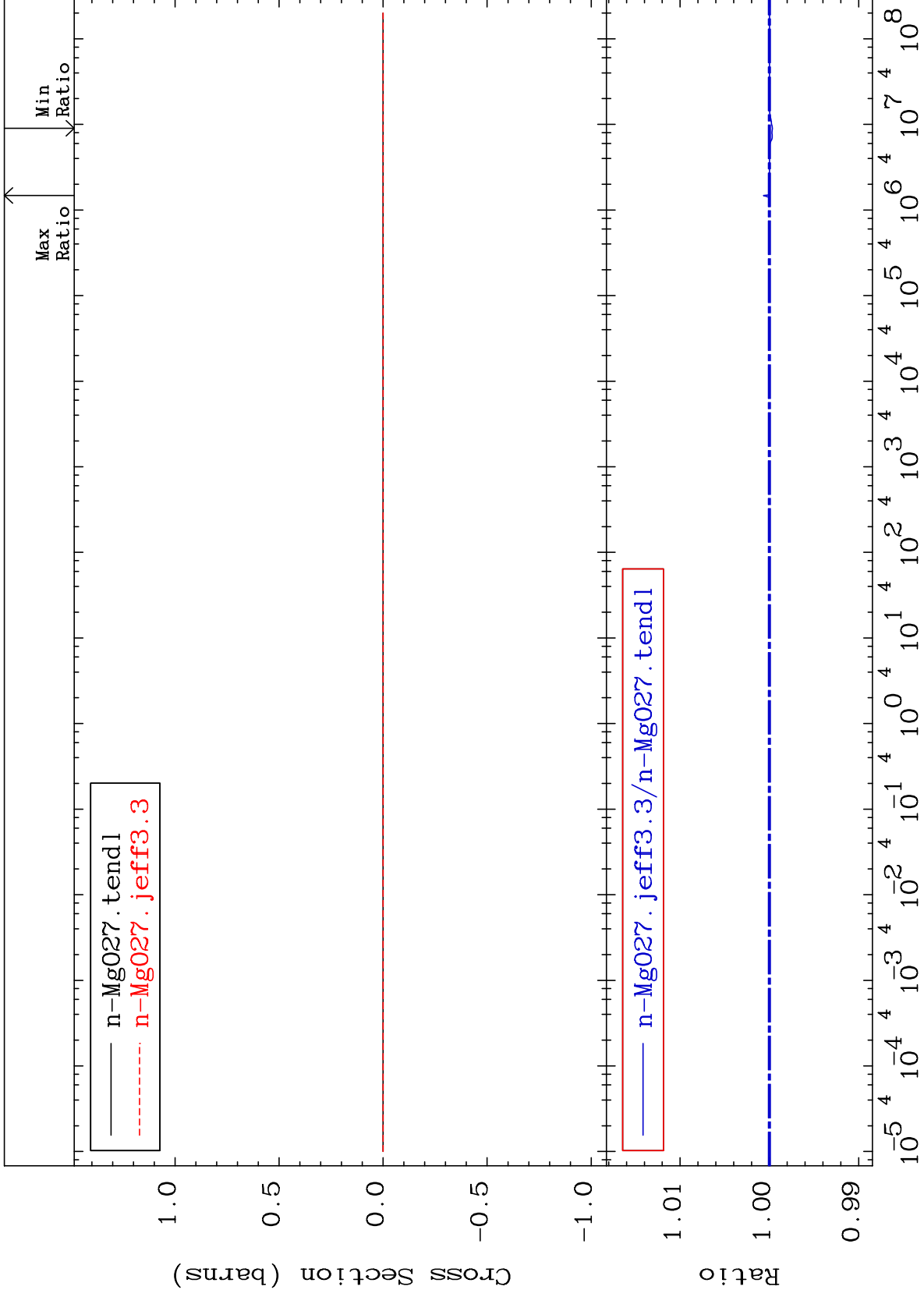
12-Mg-27
-0.034 To 0.066 %

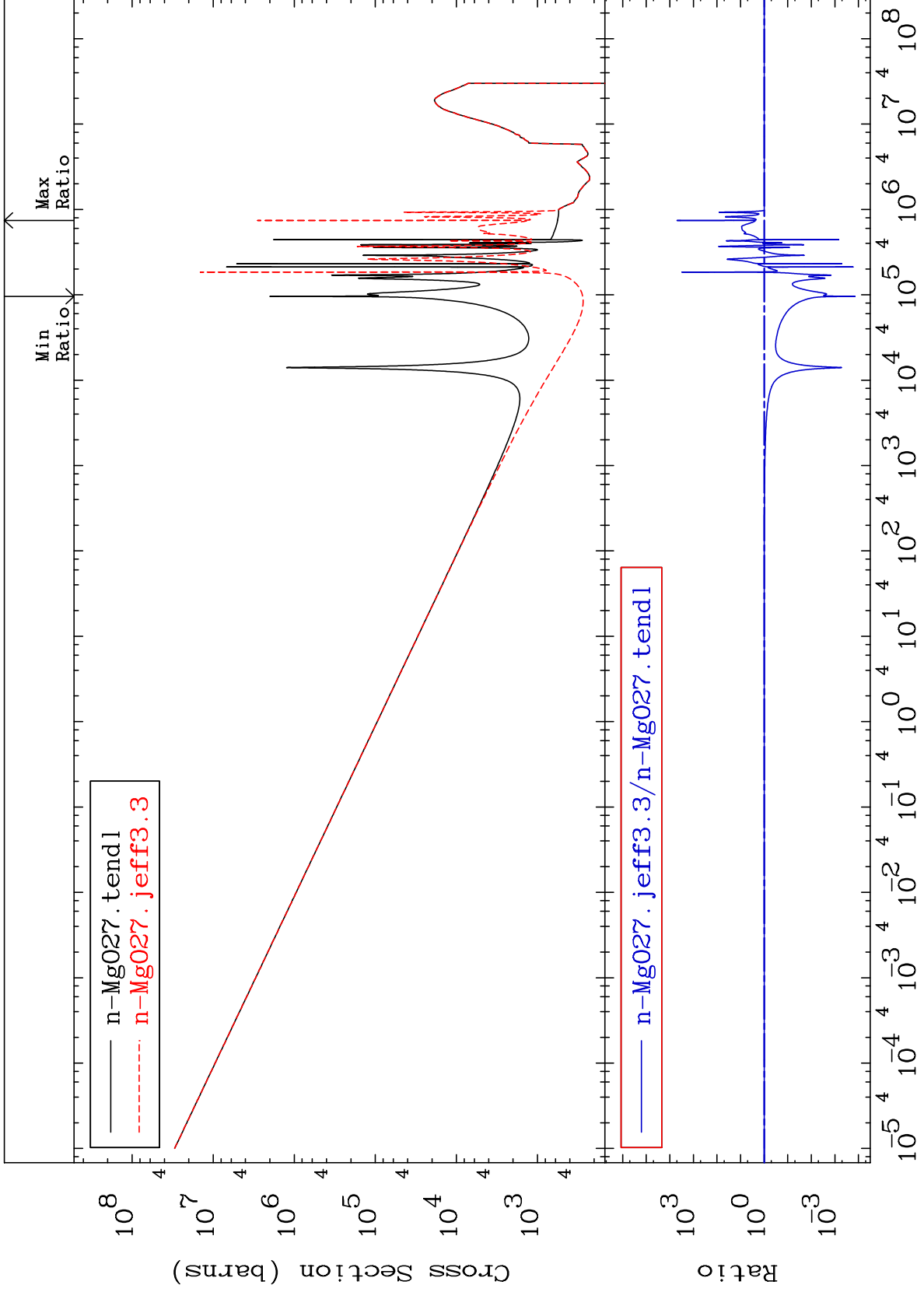


MAT 1234

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

12-Mg-27
-0.034 To 0.066 %

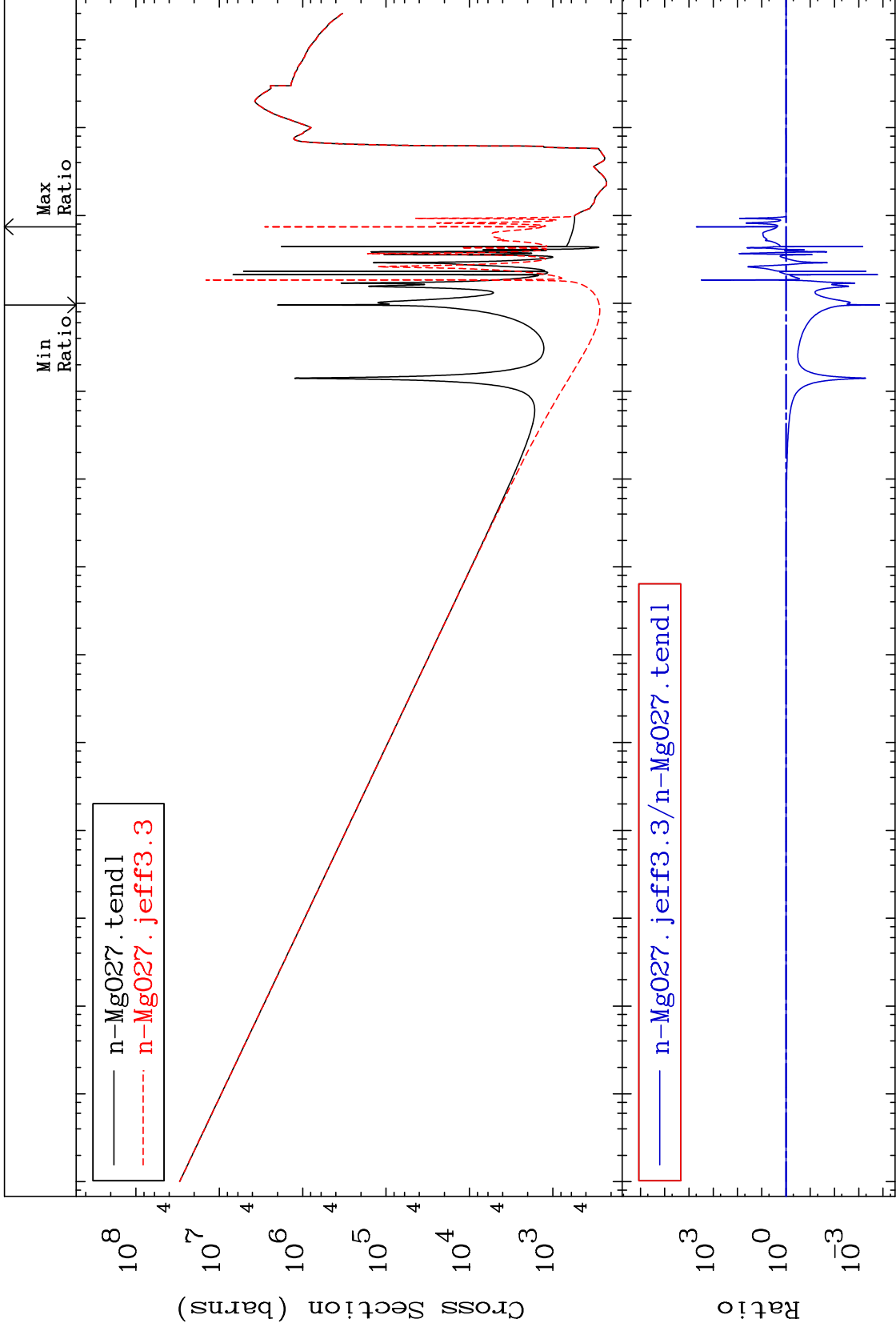




MAT 1234

Total photon (eV-barns)
Cross Section

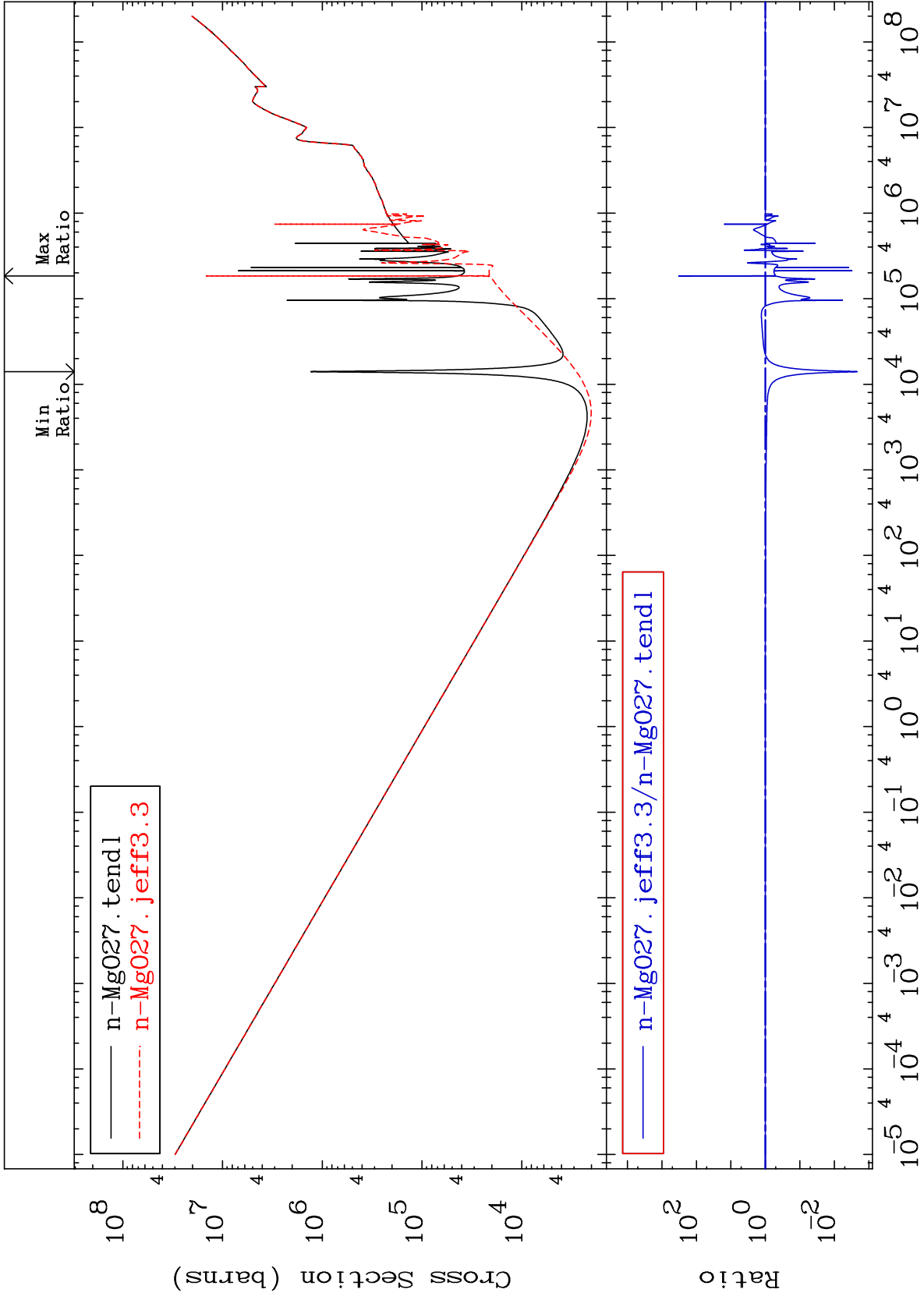
12-Mg-27
-99.99 To 9999. %



70

Incident Energy (eV)

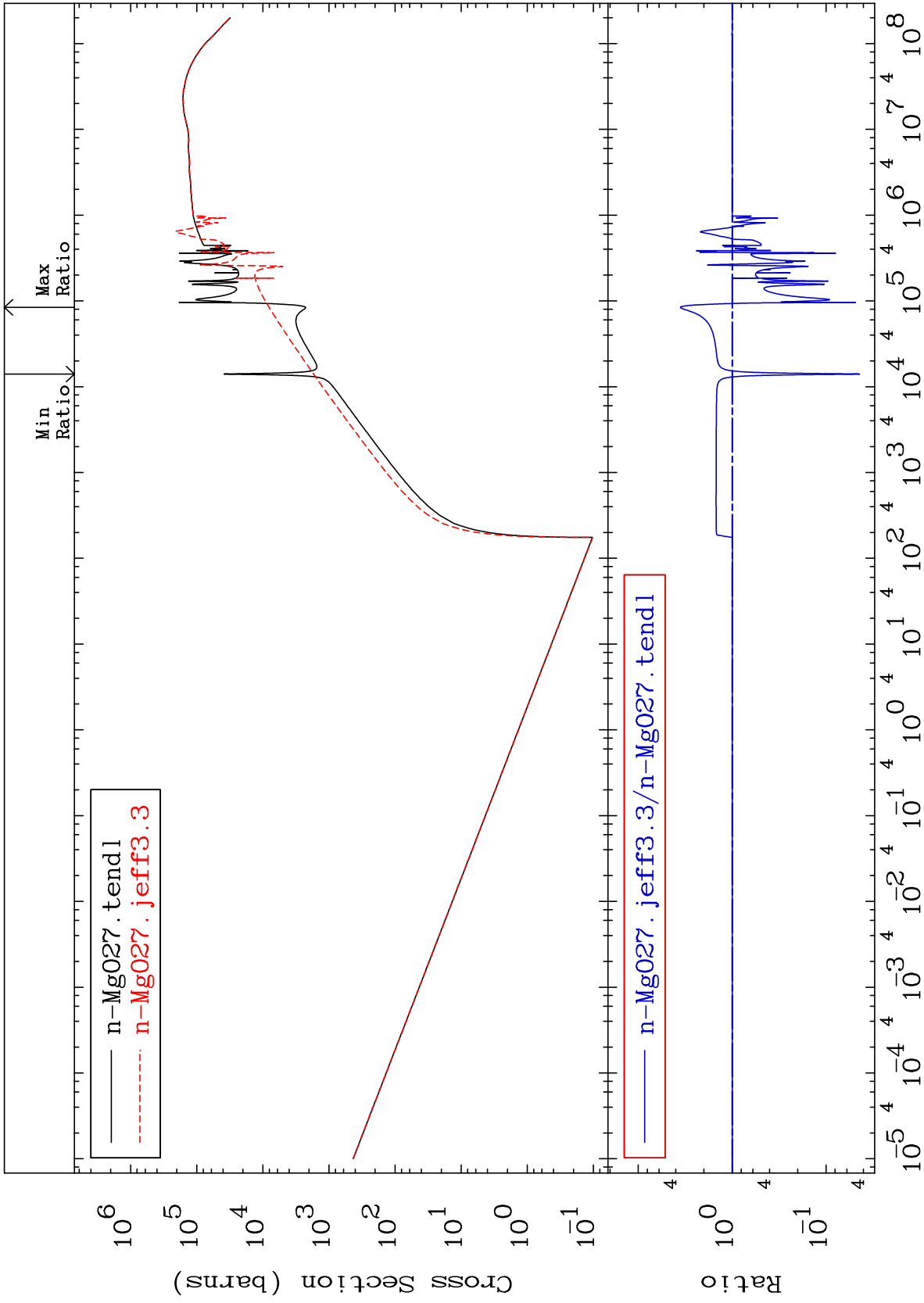
12-Mg-27



MAT 1234

Dpa total (eV-barns)
Cross Section

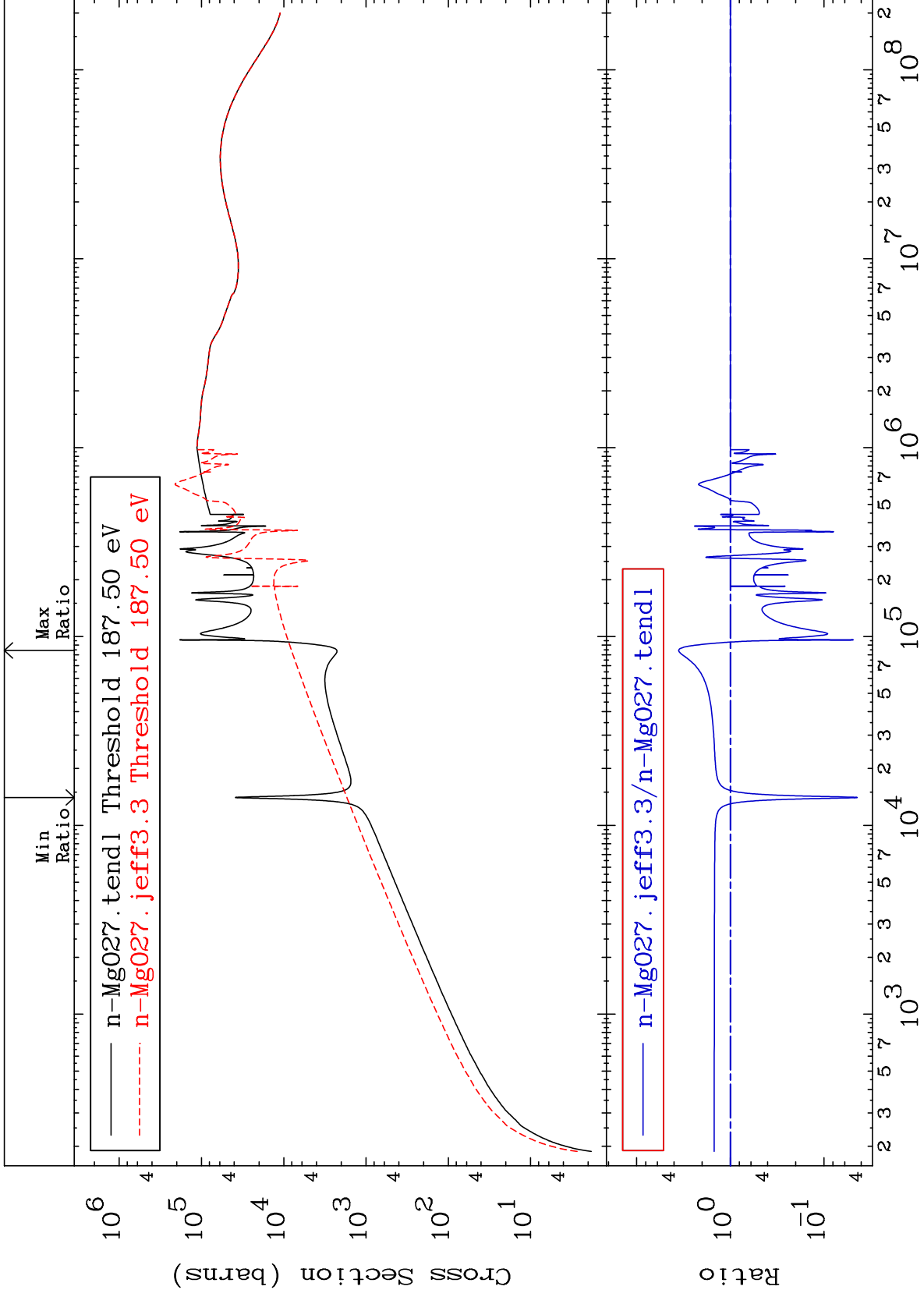
12-Mg-27
-95.60 To 256.3 %



72

Incident Energy (eV)

12-Mg-27



MAT 1234

Dpa inelastic (mt51-91)
Cross Section

12-Mg-27
-0.087 To 0.002 %

