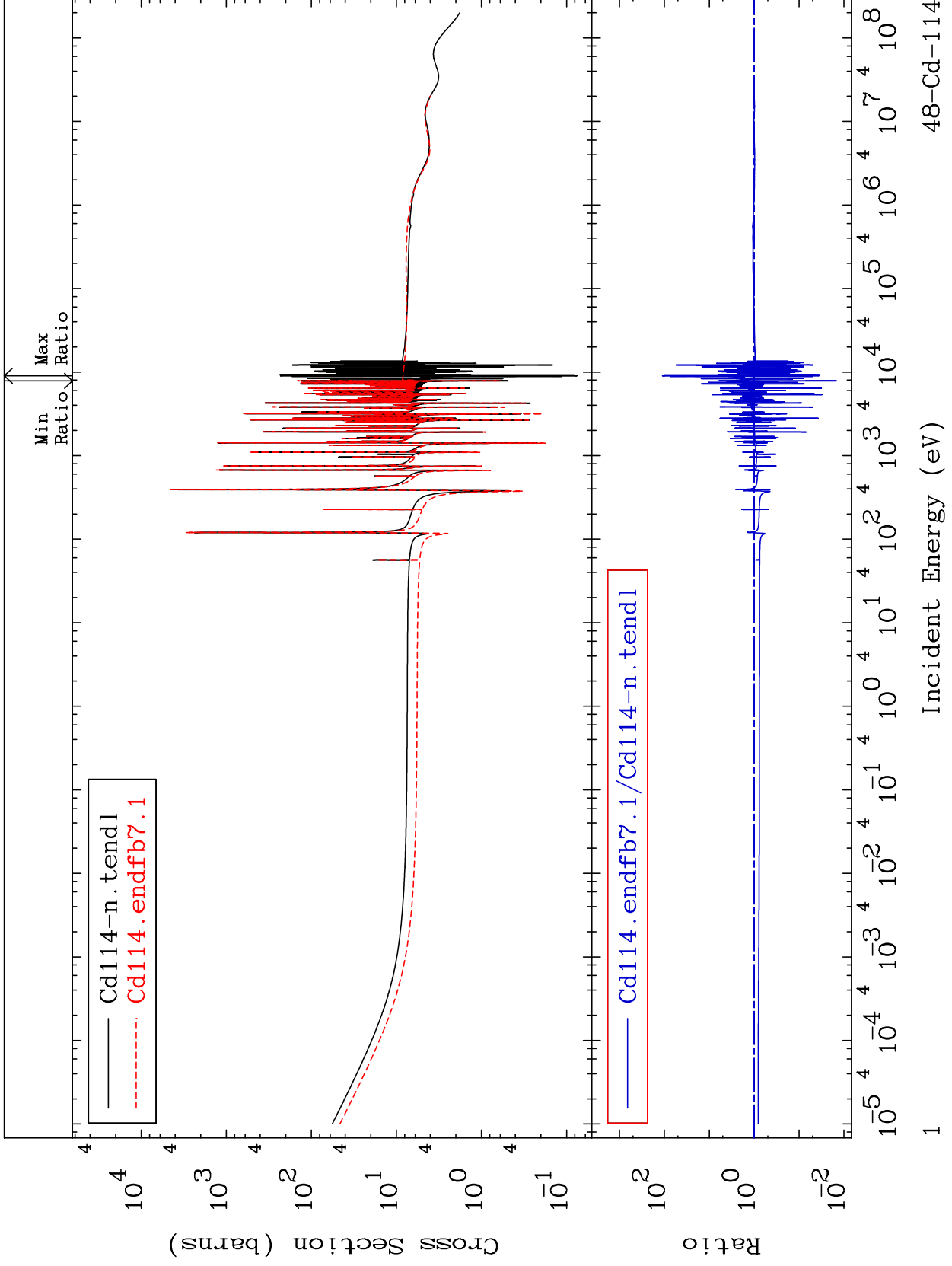


MAT 4849

Total  
Cross Section

48-Cd-114  
-98.54 To 9999. %

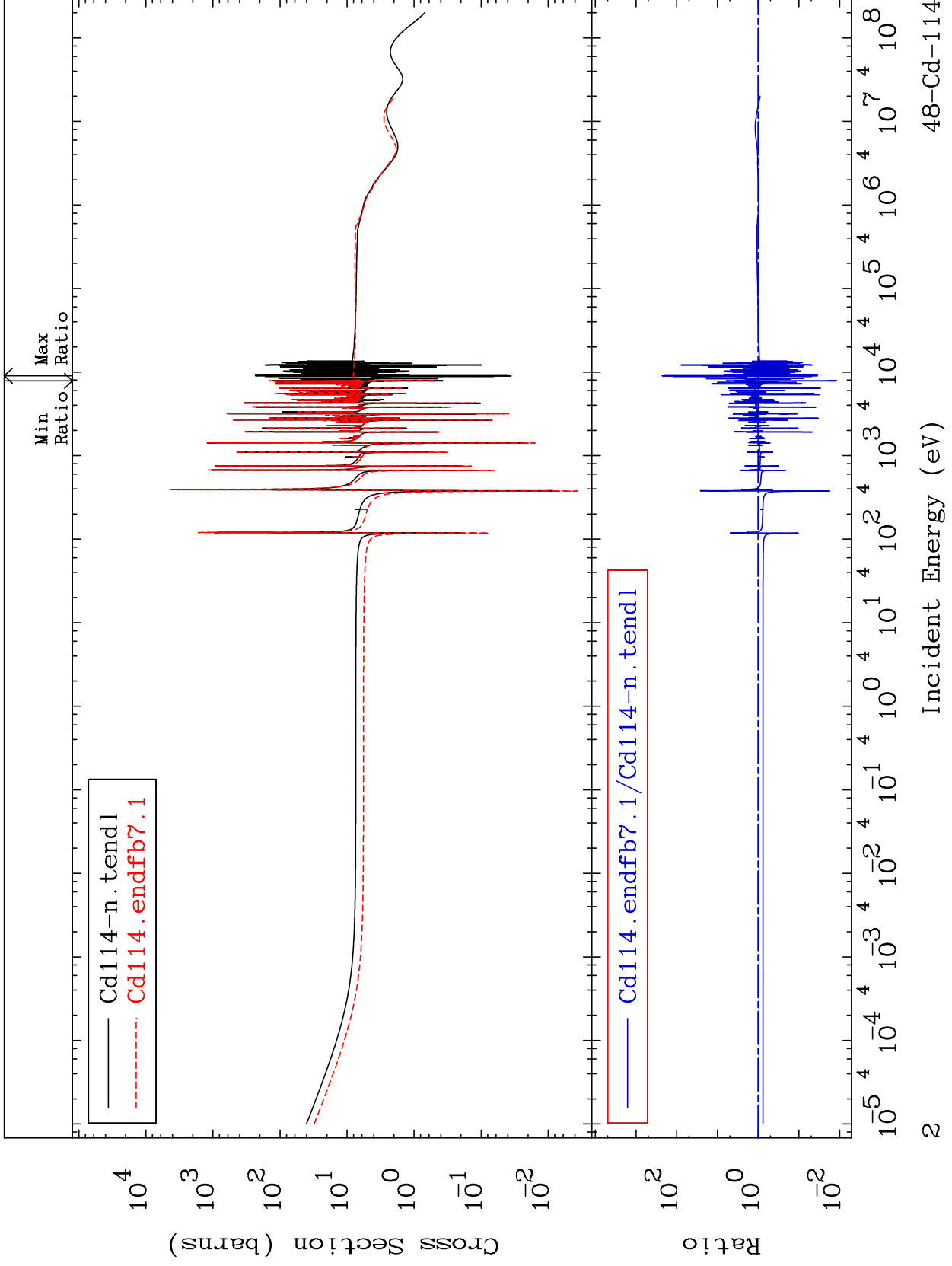


48-Cd-114

MAT 4849

Elastic  
Cross Section

48-Cd-114  
-98.81 To 9999. %



48-Cd-114

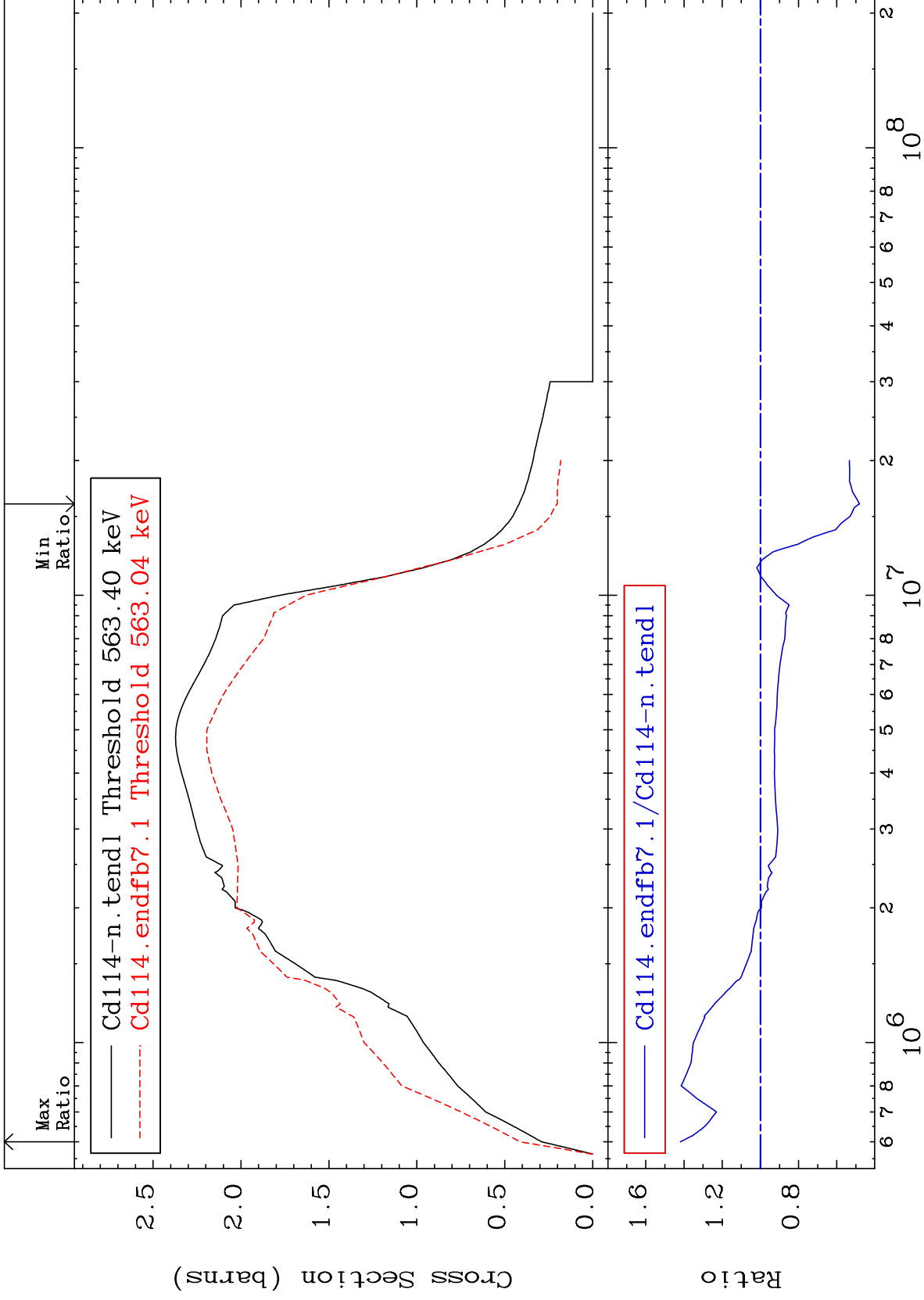
Incident Energy (eV)

2

MAT 4849

Inelastic  
Cross Section

48-Cd-114  
-51.87 To 41.89 %



3

Incident Energy (eV)

48-Cd-114

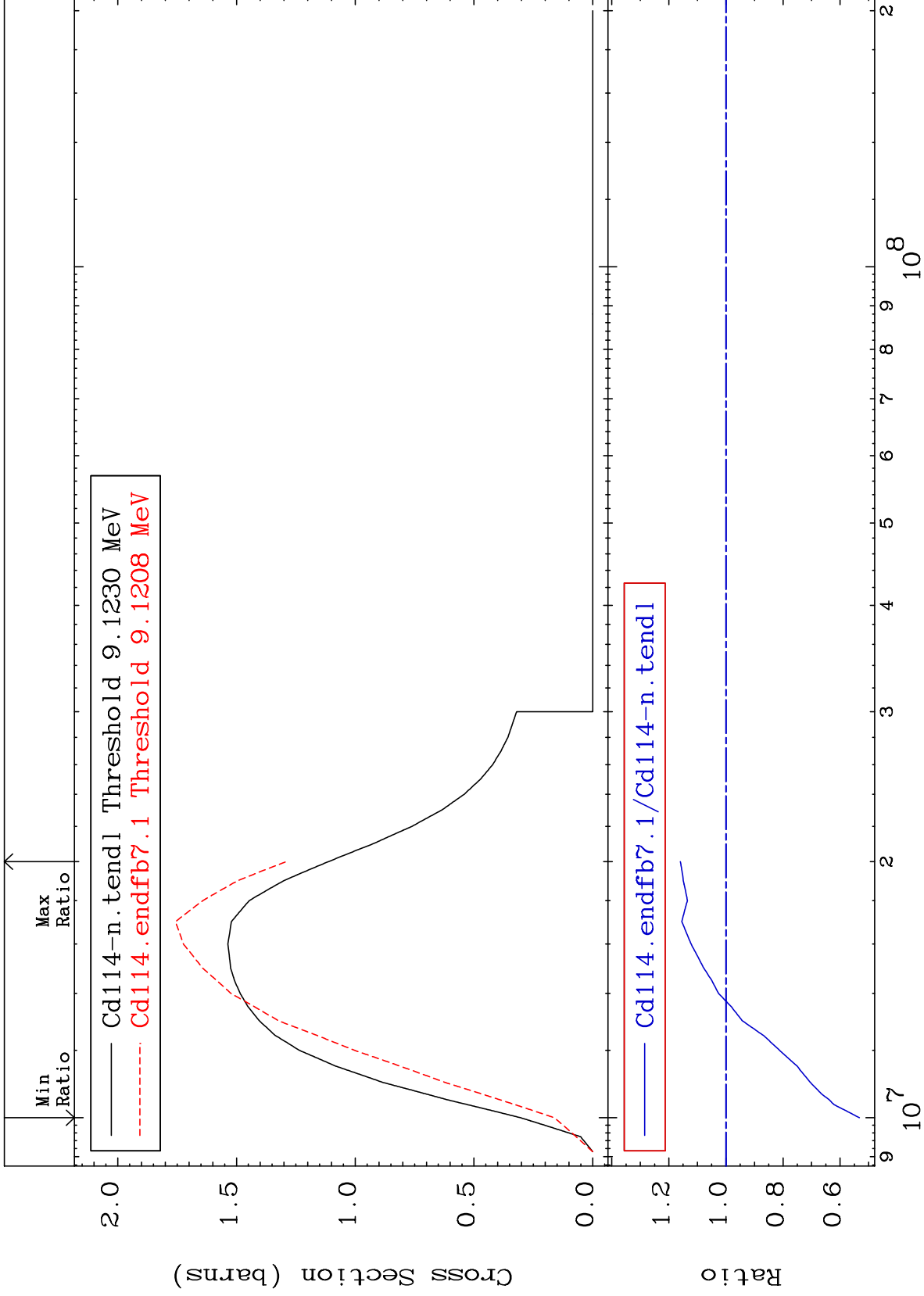
MAT 4849

(n,2n)

48-Cd-114

Cross Section

-46.77 To 15.96 %



48-Cd-114

48-Cd-114

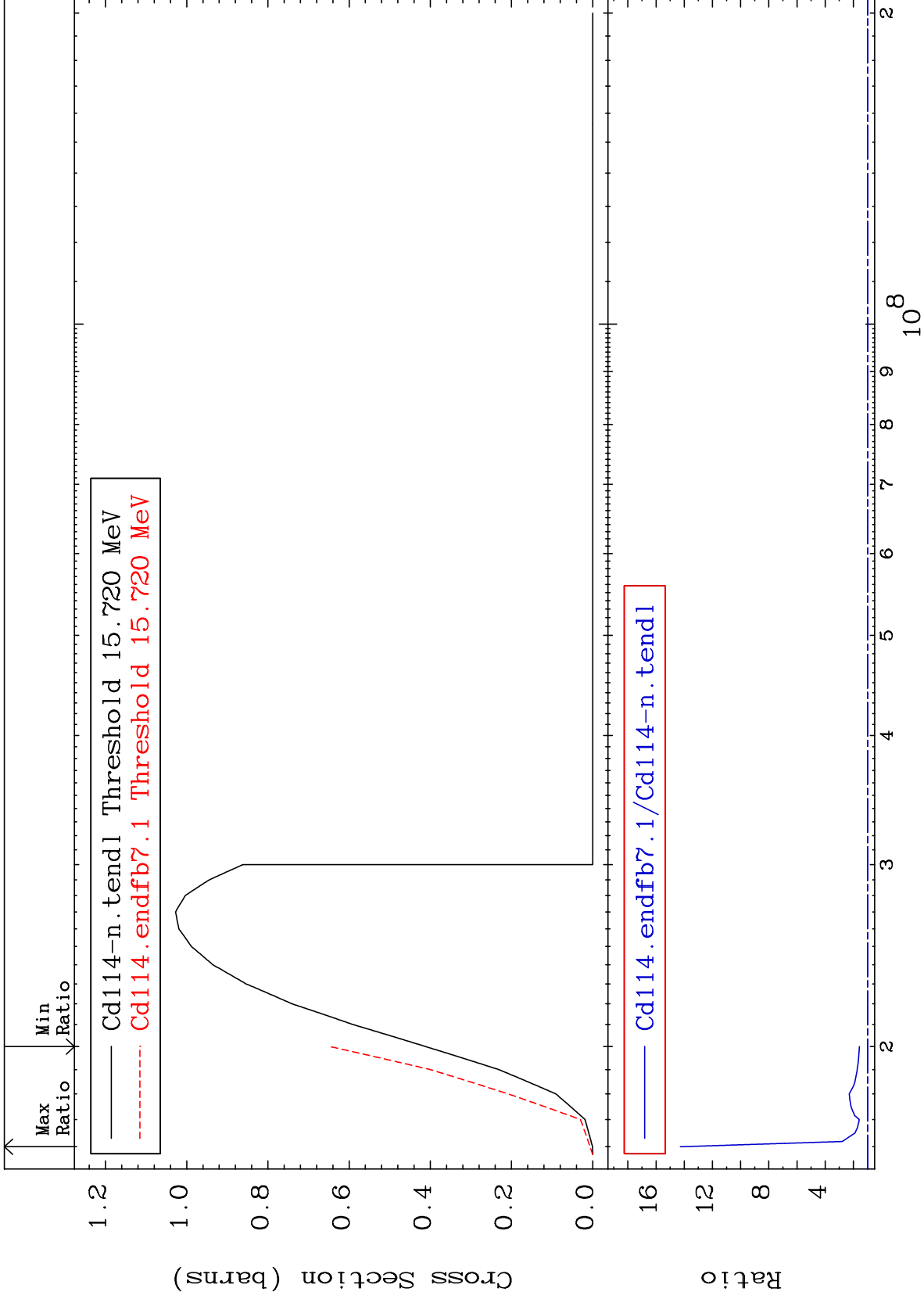
MAT 4849

(n,3n)

48-Cd-114

Cross Section

57.19 To 1327. %



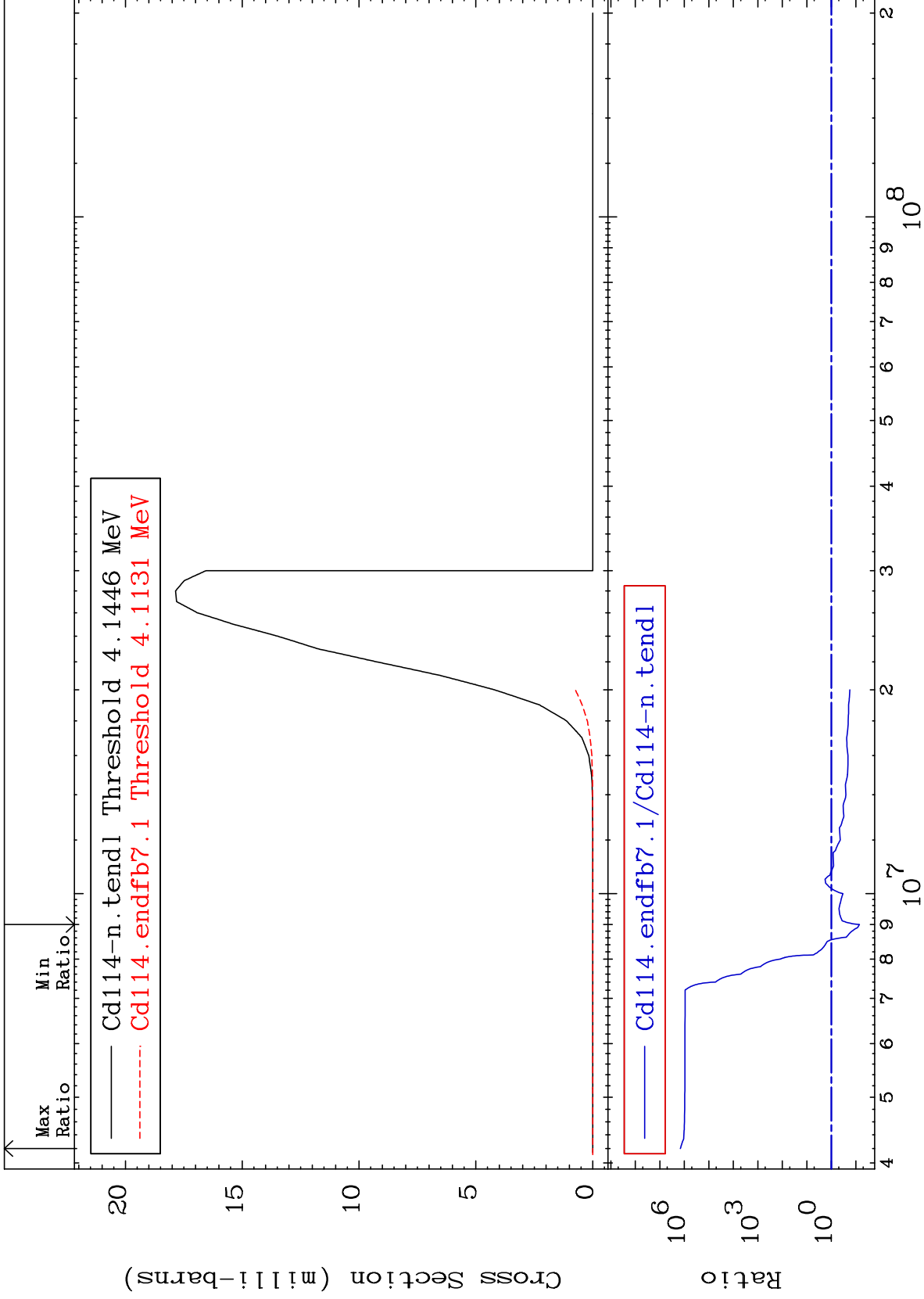
MAT 4849

(n, n')  $\alpha$

48-Cd-114

Cross Section

-92.83 To 9999. %



6

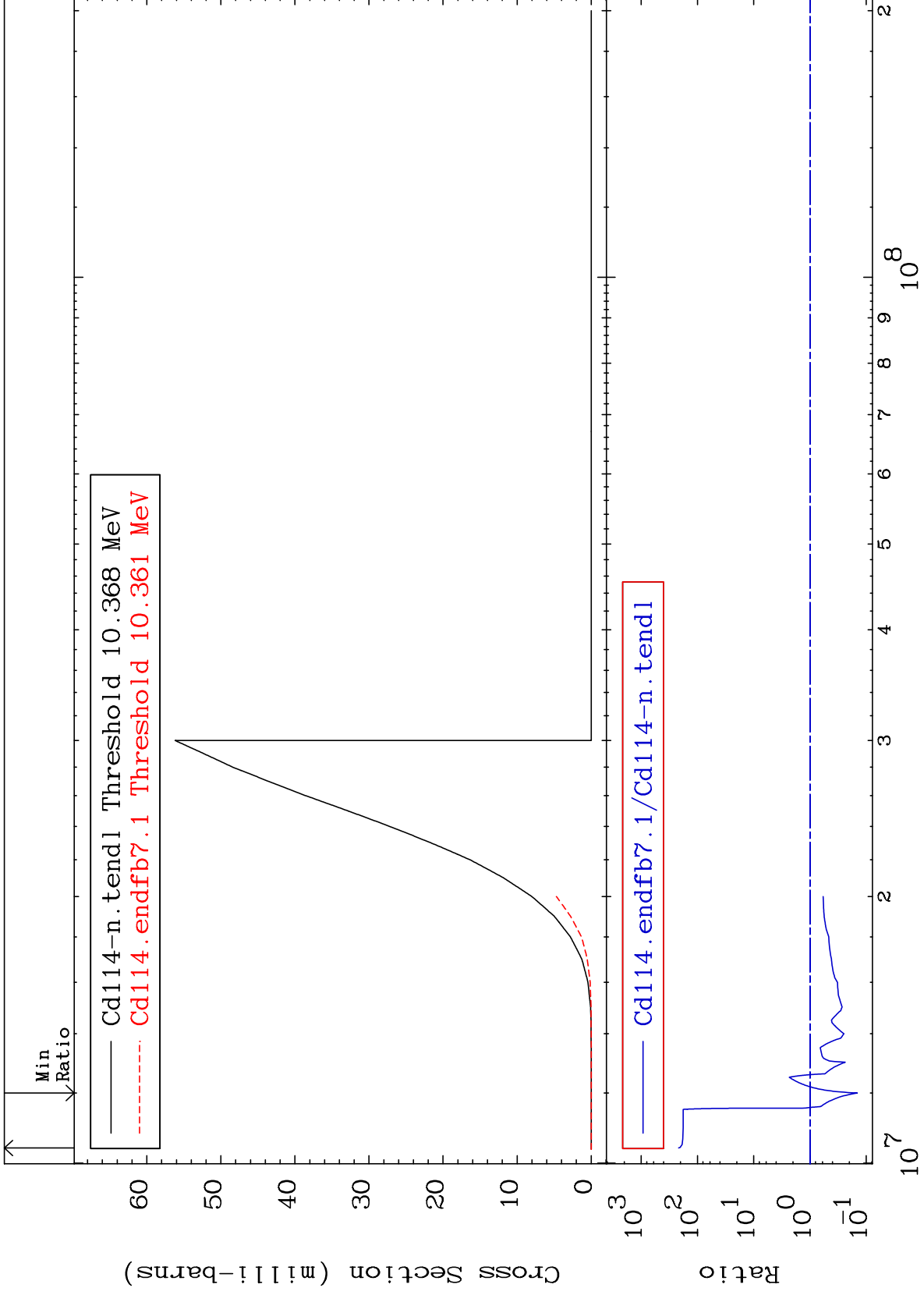
Incident Energy (eV)

48-Cd-114

MAT 4849

(n,n') p  
Cross Section

48-Cd-114  
-85.52 To 9999. %



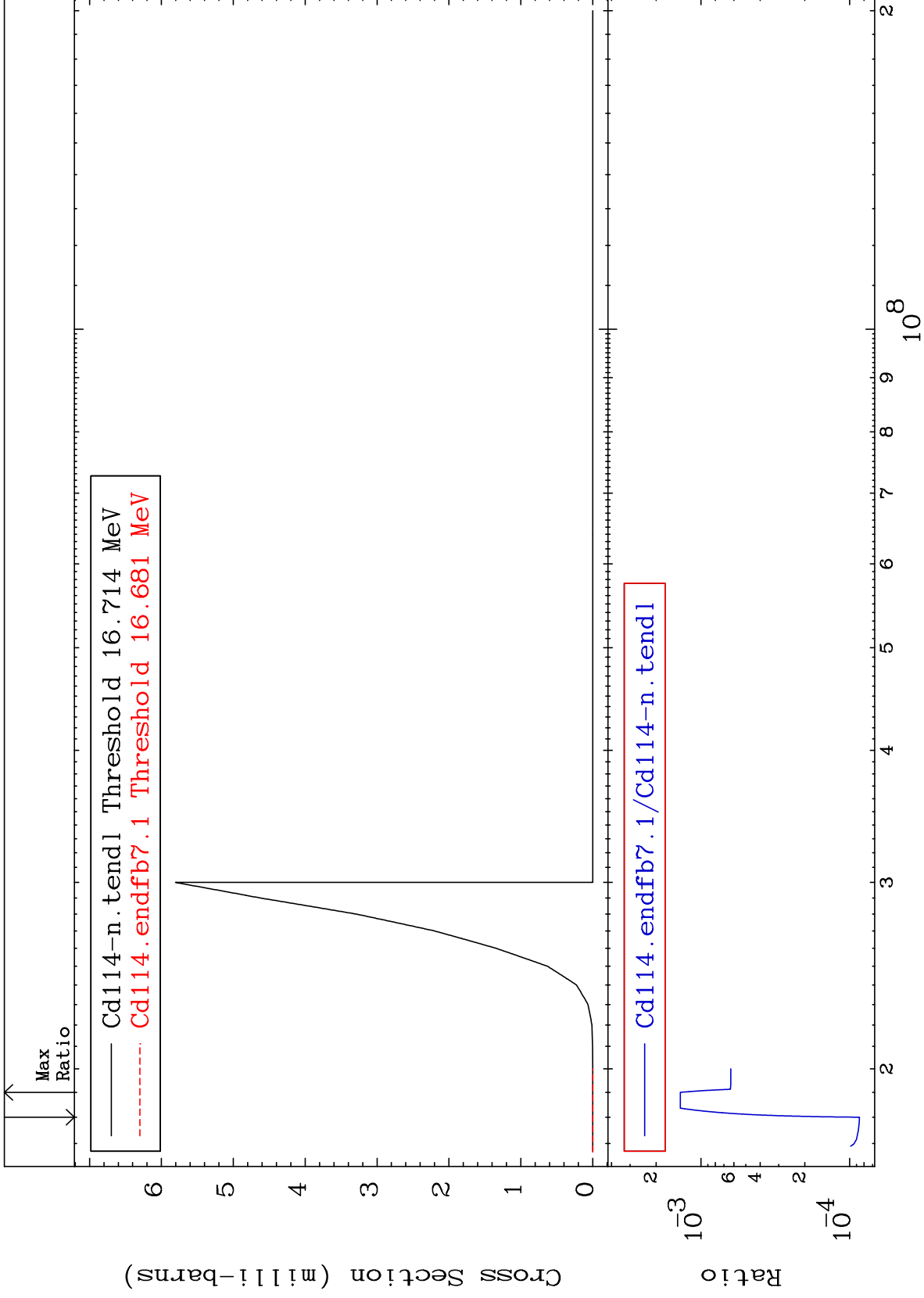
48-Cd-114

7

MAT 4849

(n,n') d  
Cross Section

48-Cd-114  
-99.99 To -99.86%

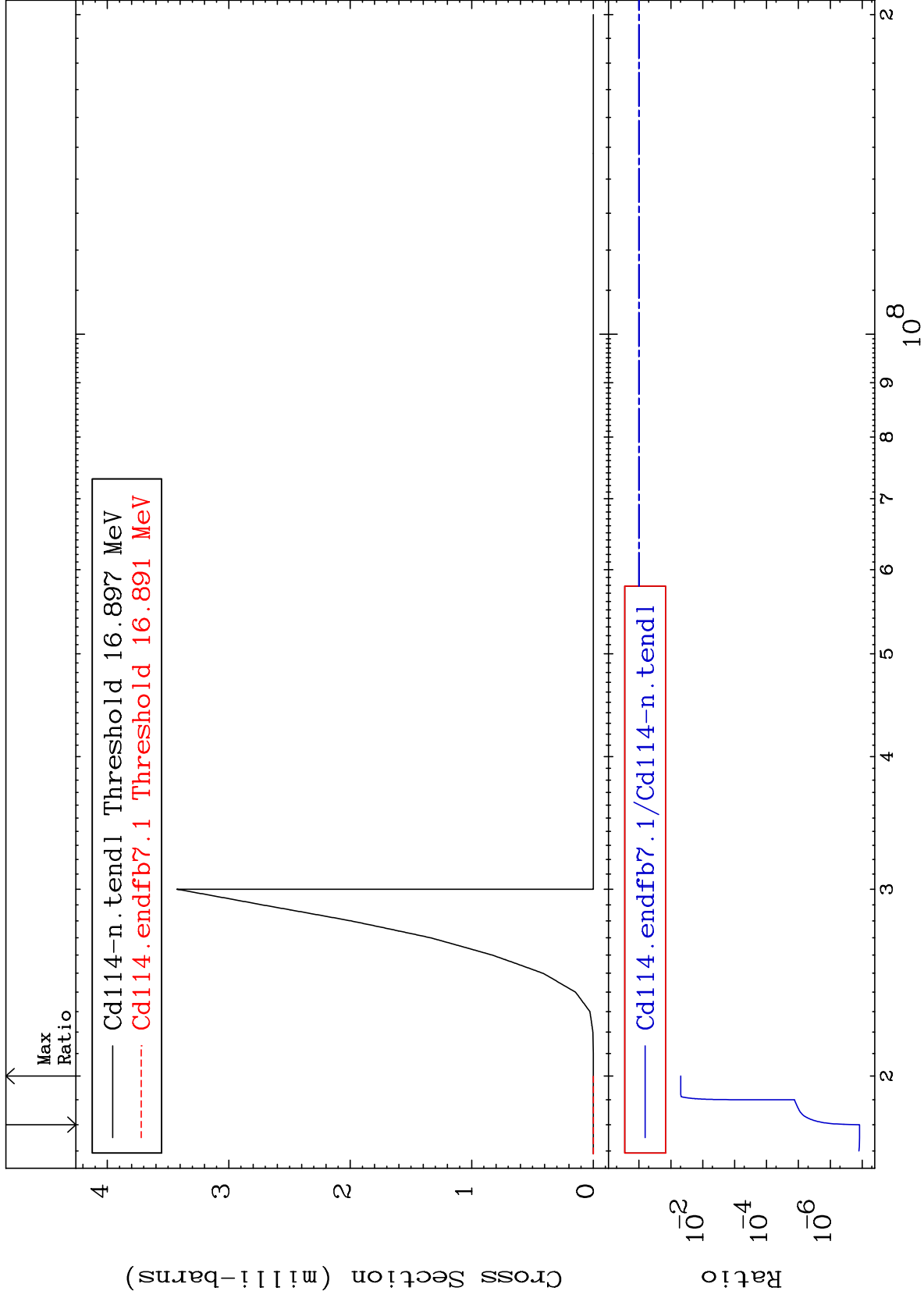




MAT 4849

(n,n') t  
Cross Section

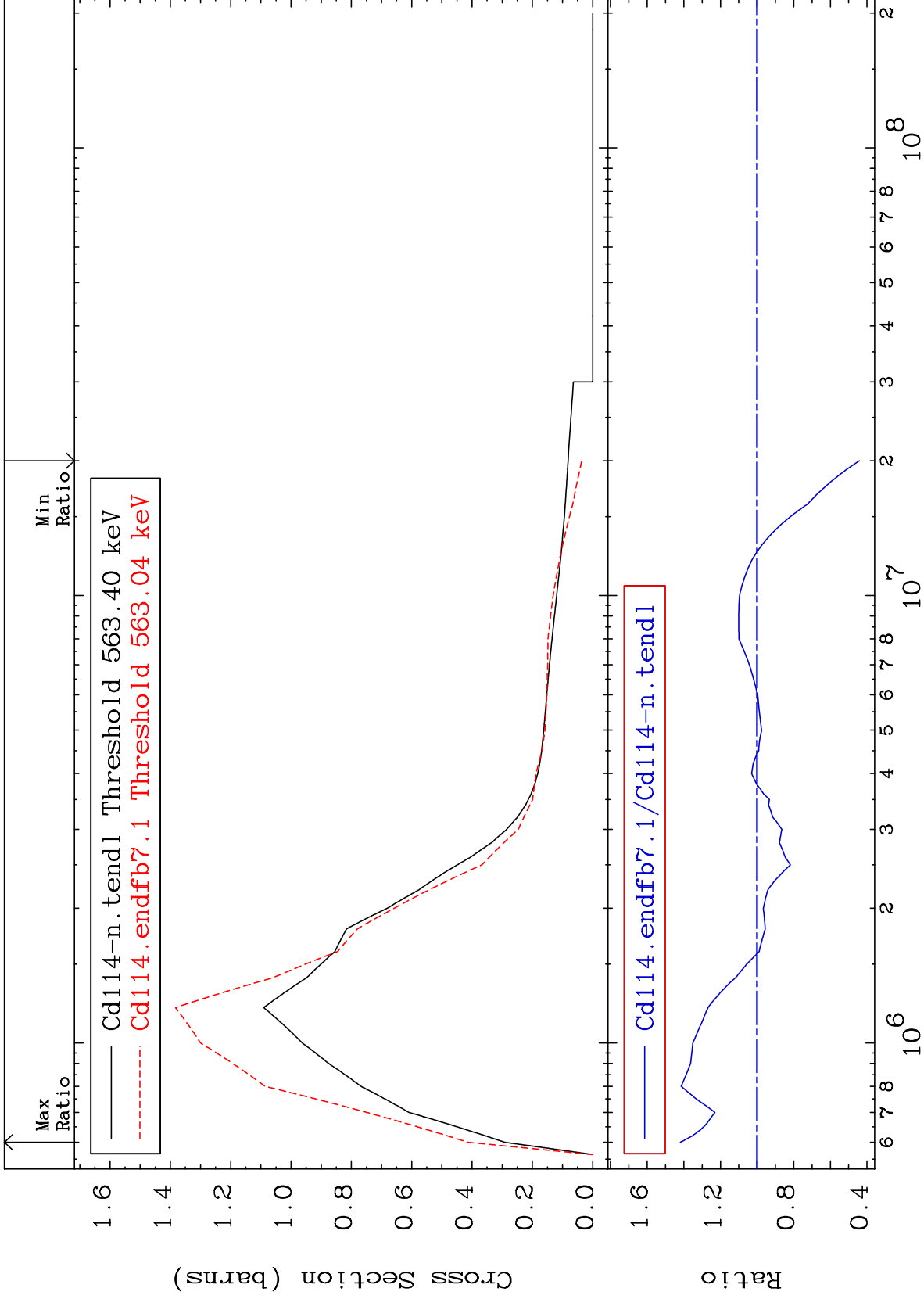
48-Cd-114  
-100.0 To -95.11%



MAT 4849

558.5 keV (n,n') Level  
Cross Section

48-Cd-114  
-55.87 To 41.89 %



10

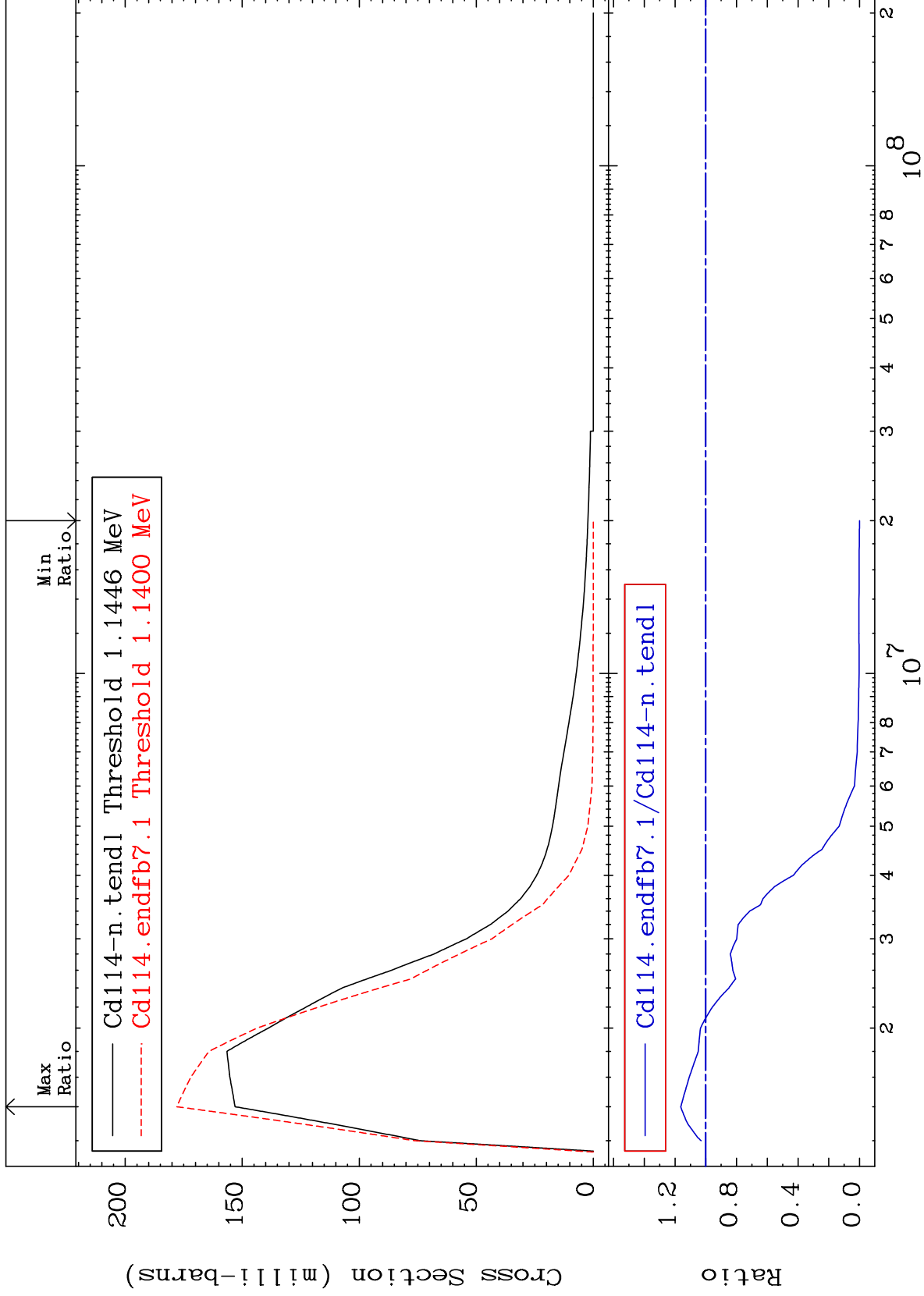
Incident Energy (eV)

48-Cd-114

MAT 4849

1.135 MeV (n,n') Level  
Cross Section

48-Cd-114  
-100.0 To 16.27 %



11

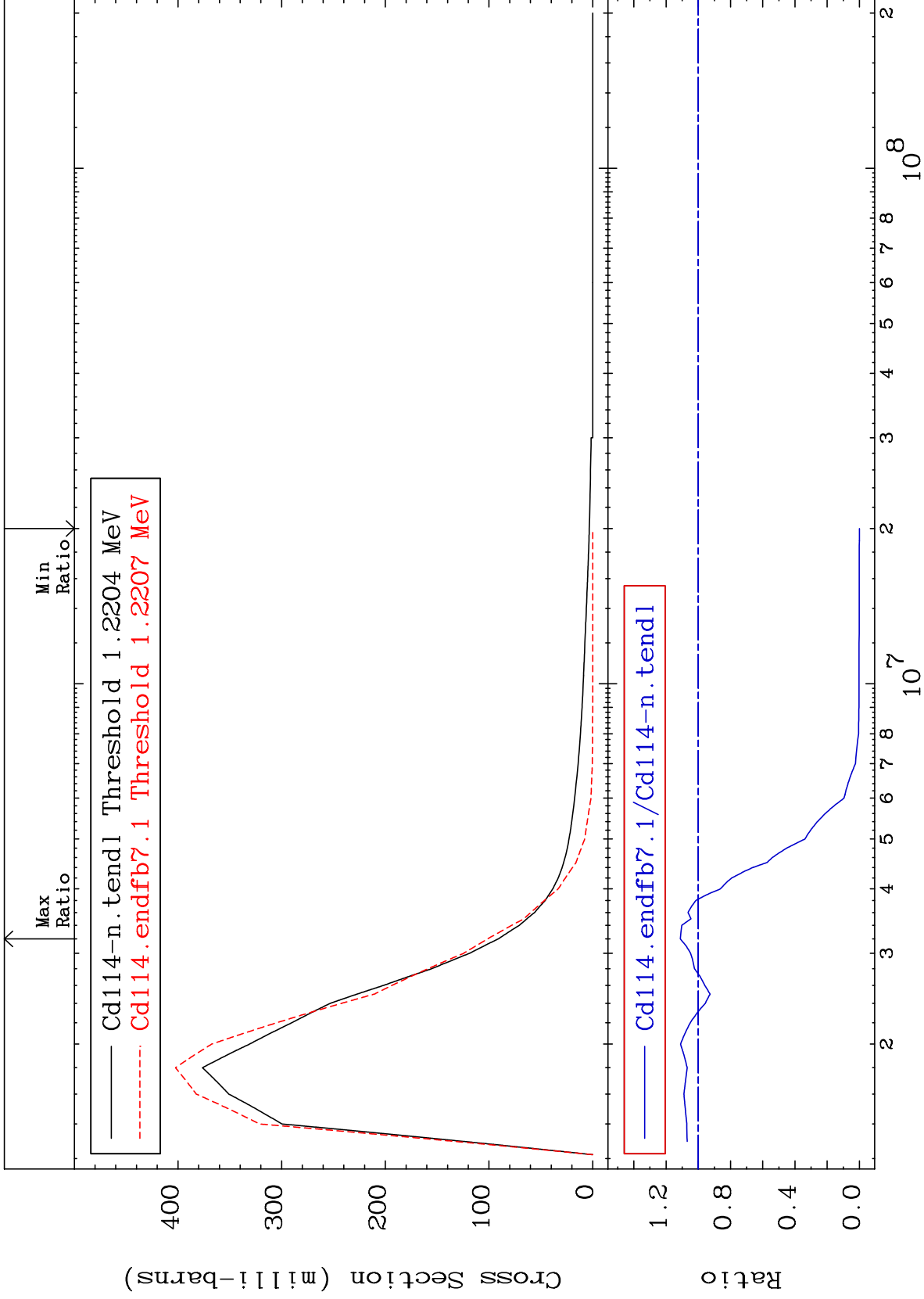
Incident Energy (eV)

48-Cd-114

MAT 4849

1.210 MeV (n,n') Level  
Cross Section

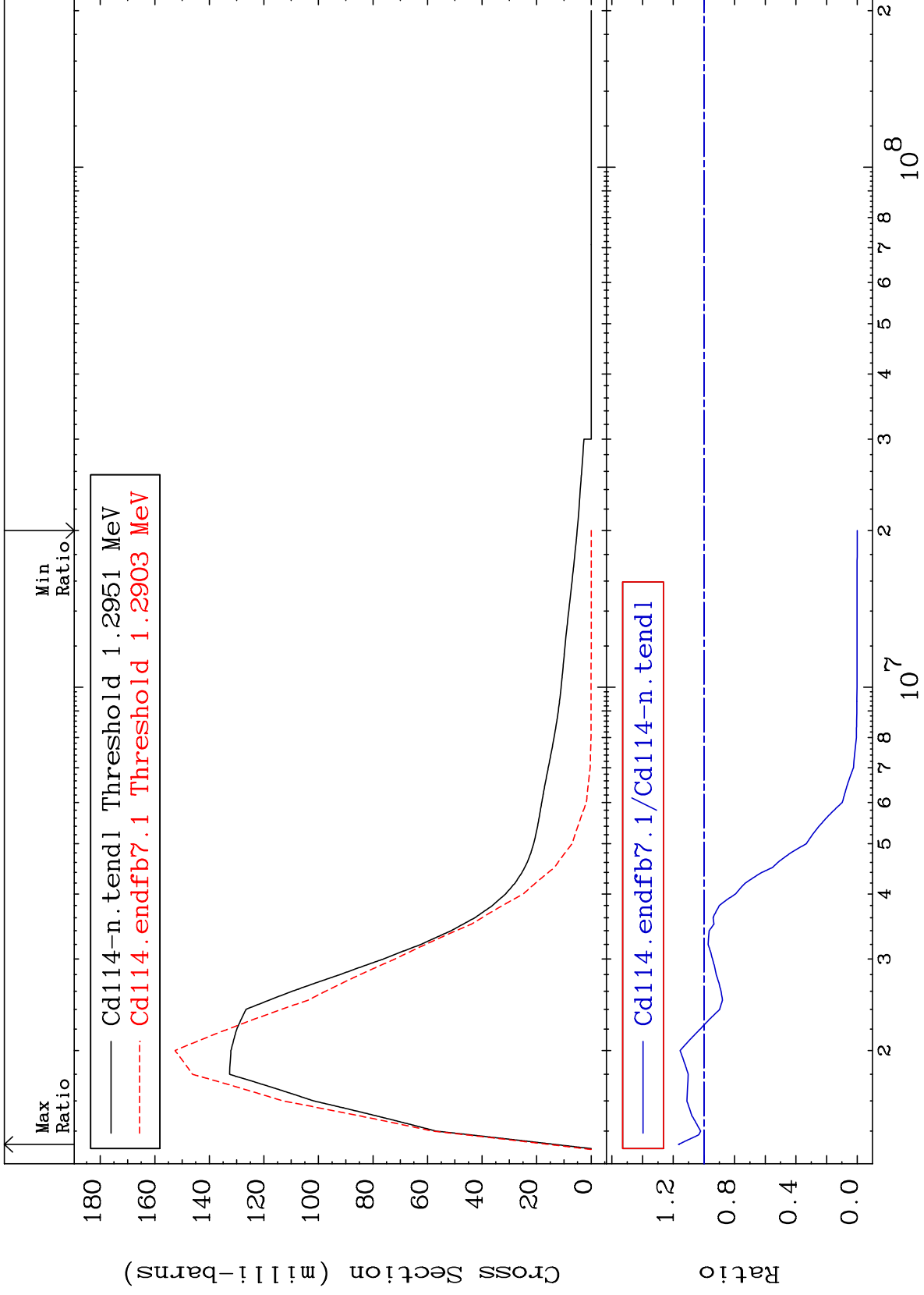
48-Cd-114  
-100.0 To 11.14 %



MAT 4849

1.284 MeV (n,n') Level  
Cross Section

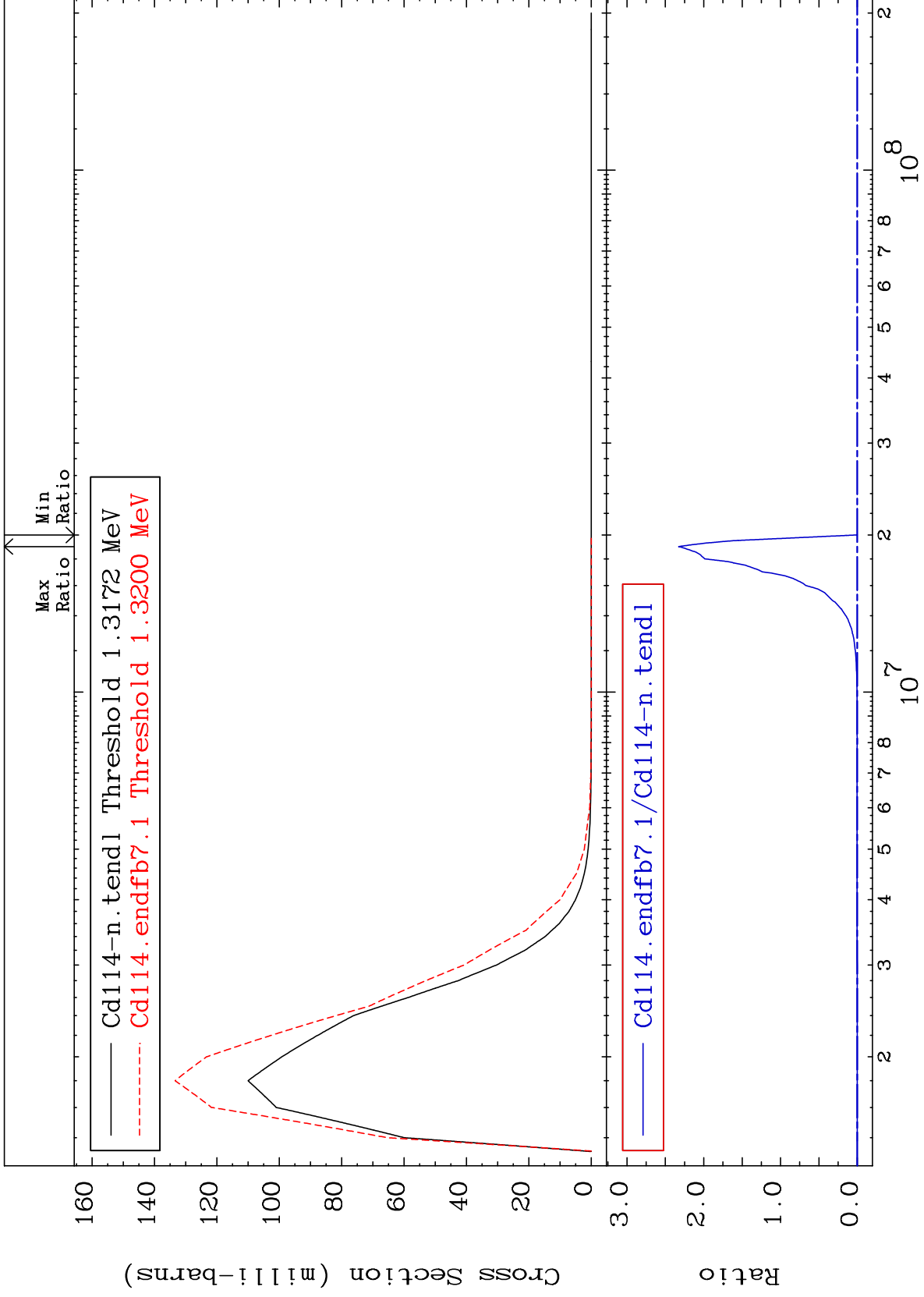
48-Cd-114  
-100.0 To 16.49 %



MAT 4849

1.306 MeV (n,n') Level  
Cross Section

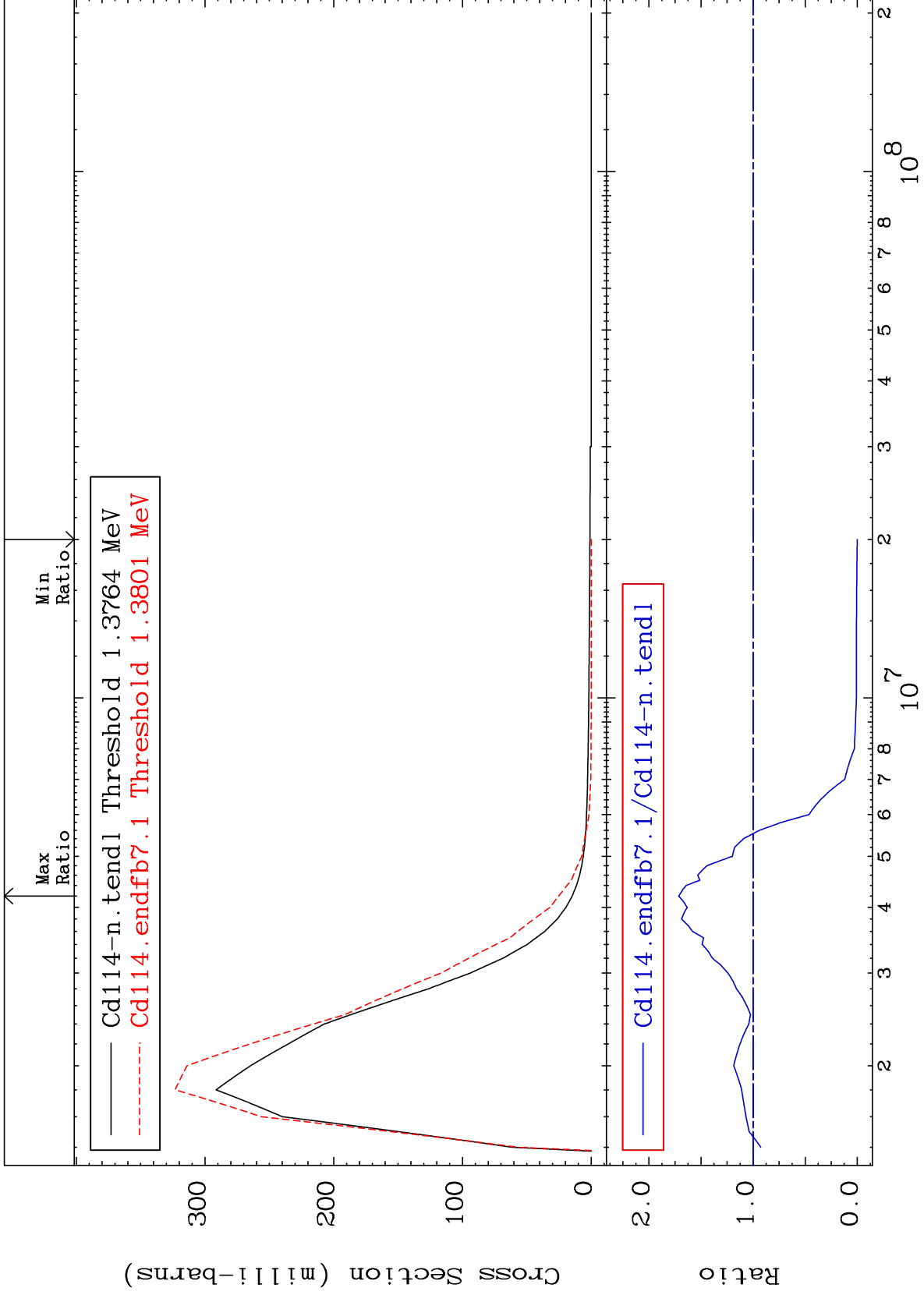
48-Cd-114  
-100.0 To 9999. %



MAT 4849

1.364 MeV (n,n') Level  
Cross Section

48-Cd-114  
-100.0 To 71.49 %



15

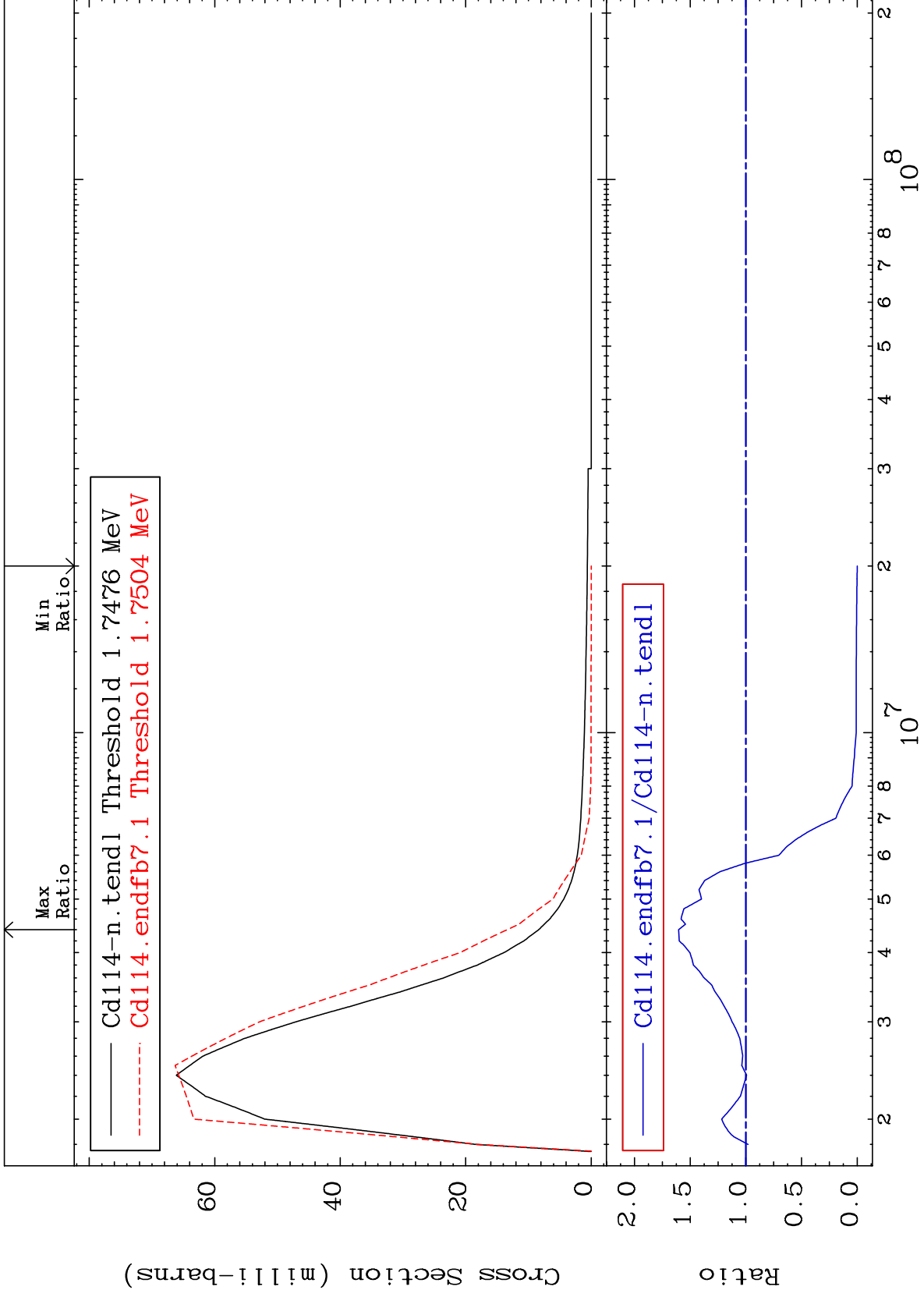
48-Cd-114

48-Cd-114

MAT 4849

1.732 MeV (n,n') Level  
Cross Section

48-Cd-114  
-100.0 To 60.36 %



16

Incident Energy (eV)

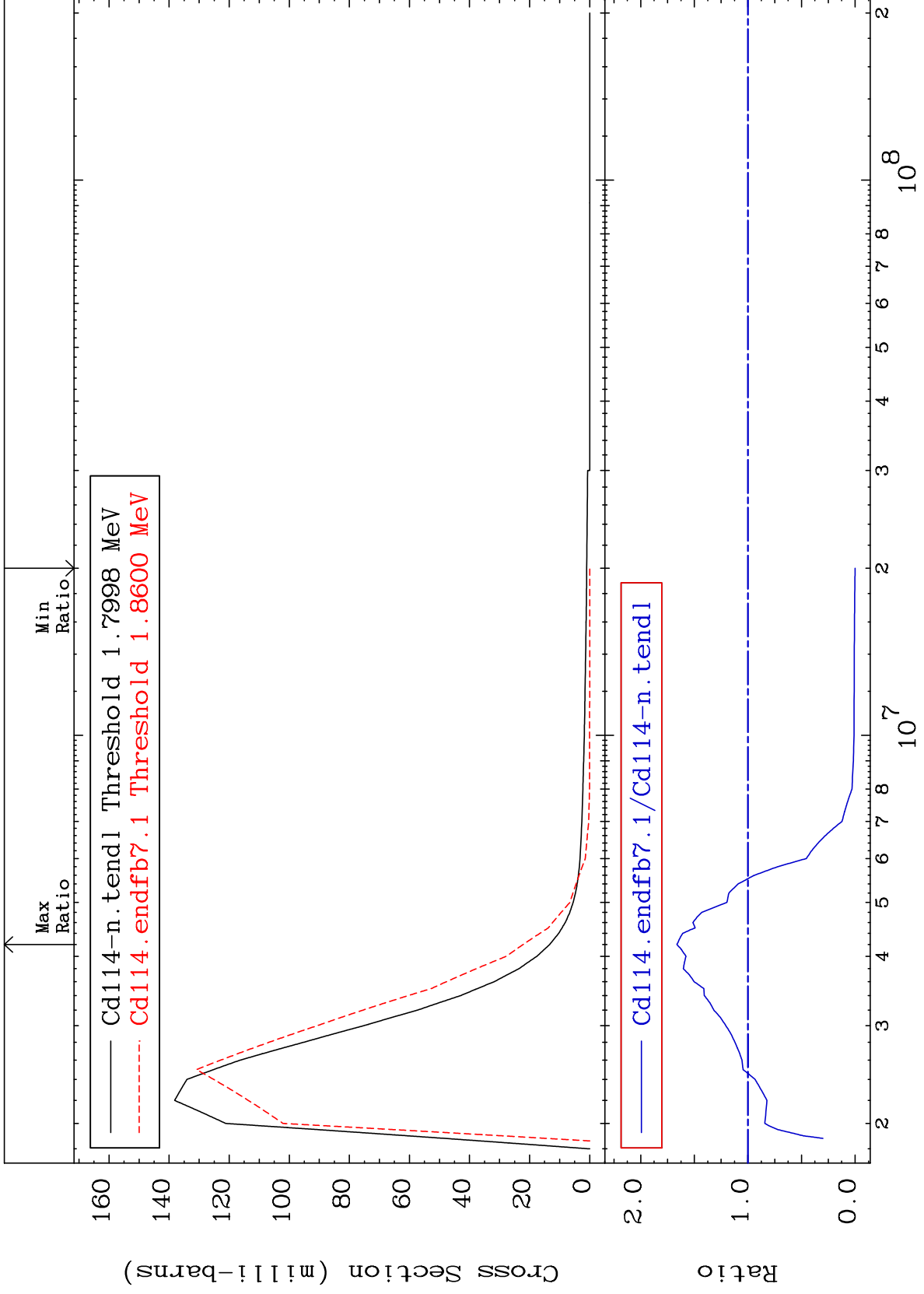
48-Cd-114



MAT 4849

1.784 MeV (n,n') Level  
Cross Section

48-Cd-114  
-100.0 To 66.25 %



17

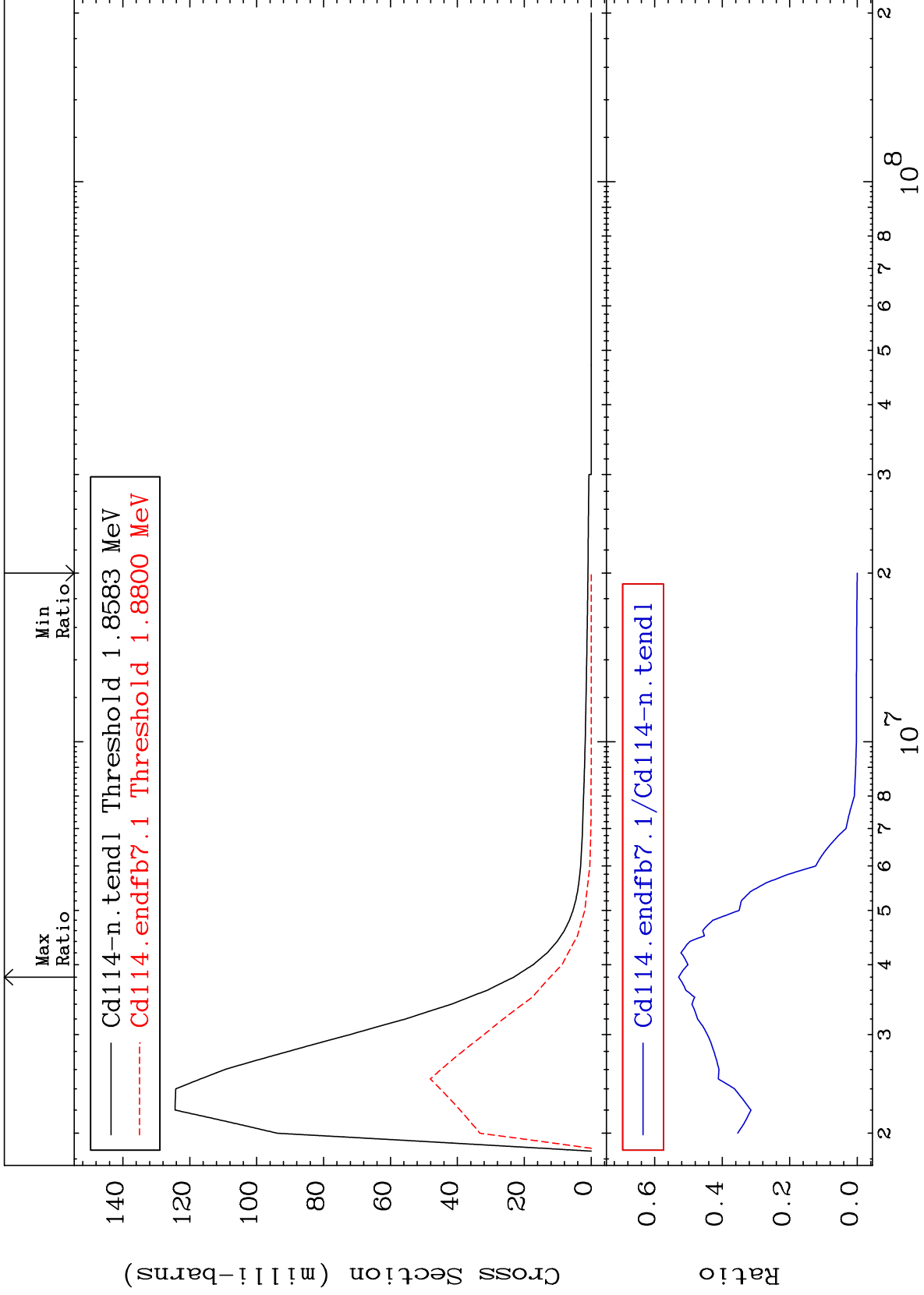
Incident Energy (eV)

48-Cd-114

MAT 4849

1.842 MeV (n,n') Level  
Cross Section

48-Cd-114  
-100.0 To -47.08%



18

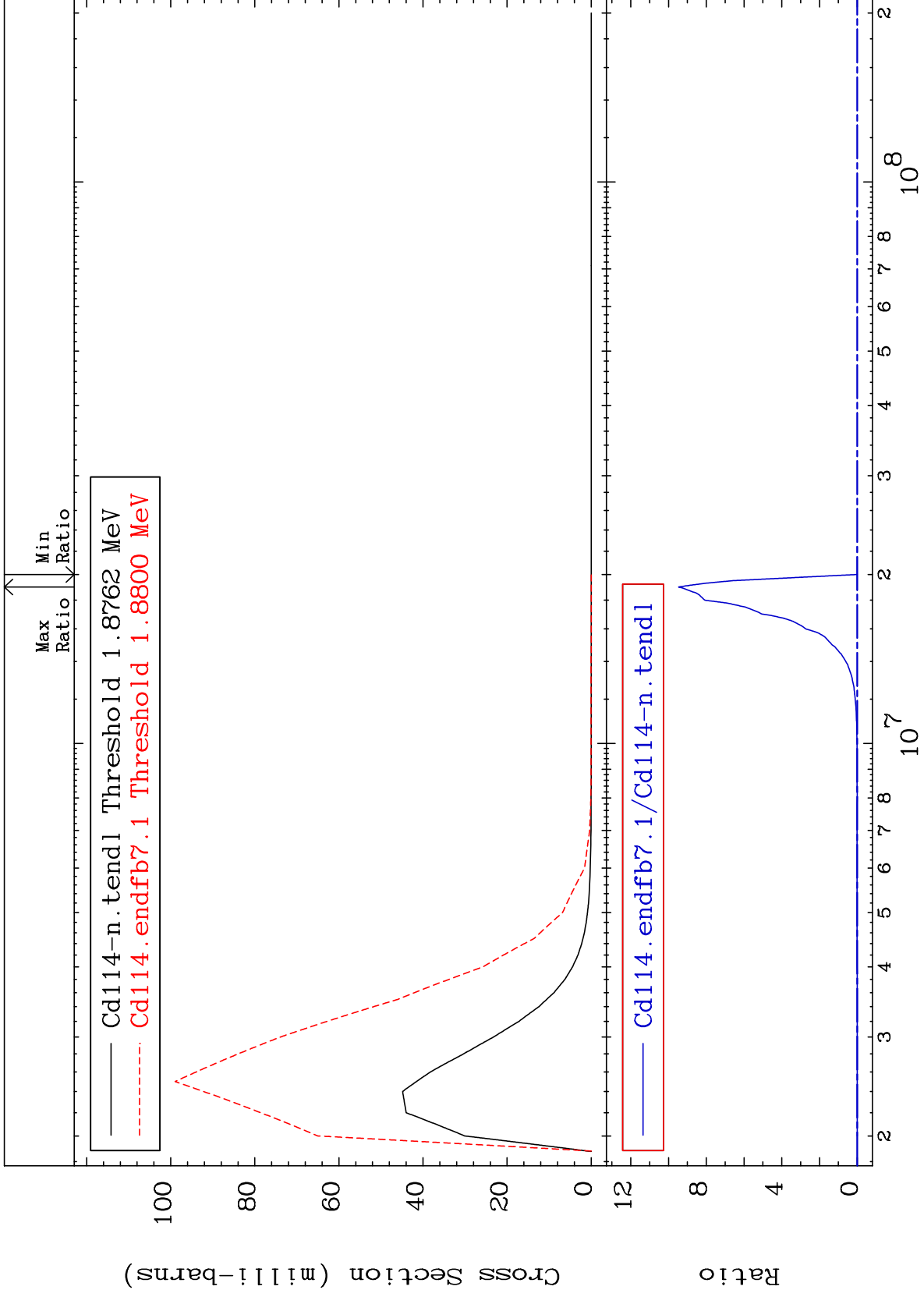
48-Cd-114

48-Cd-114

MAT 4849

1.860 MeV (n,n') Level  
Cross Section

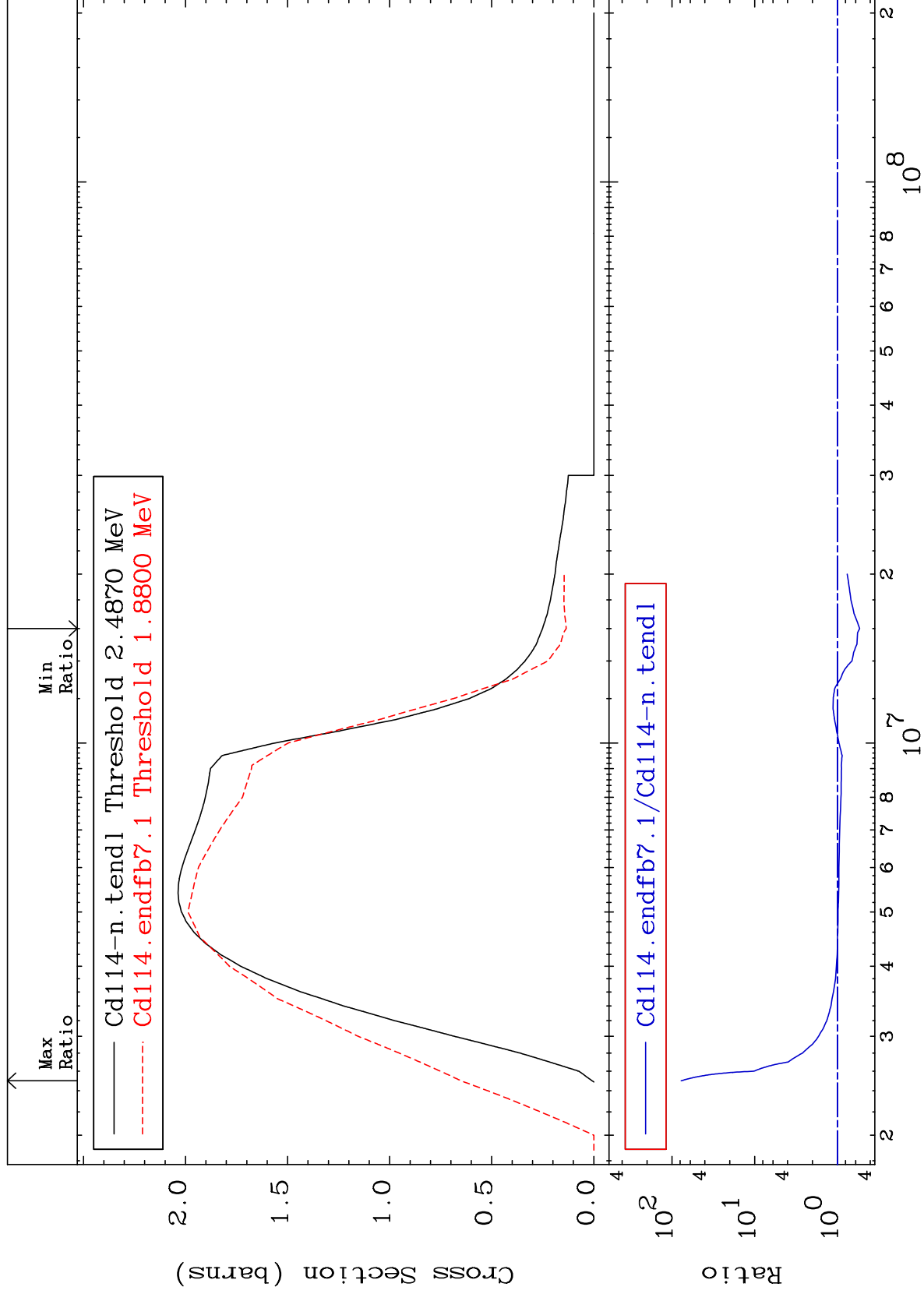
48-Cd-114  
-100.0 To 9999. %



MAT 4849

(n, n') Continuum  
Cross Section

48-Cd-114  
-46.14 To 7645. %



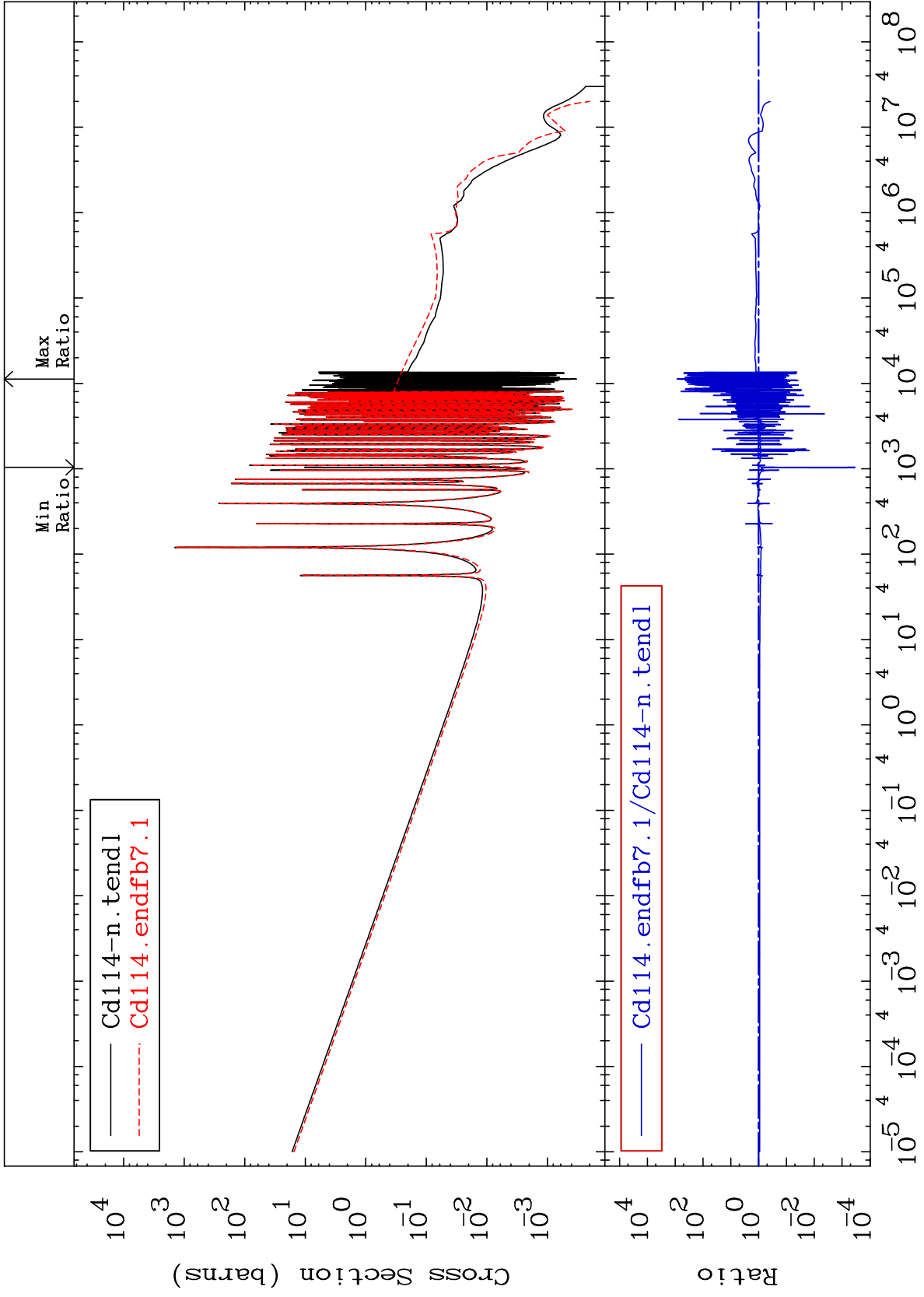
20

48-Cd-114

MAT 4849

(n,  $\gamma$ )  
Cross Section

48-Cd-114  
-99.97 To 9999. %



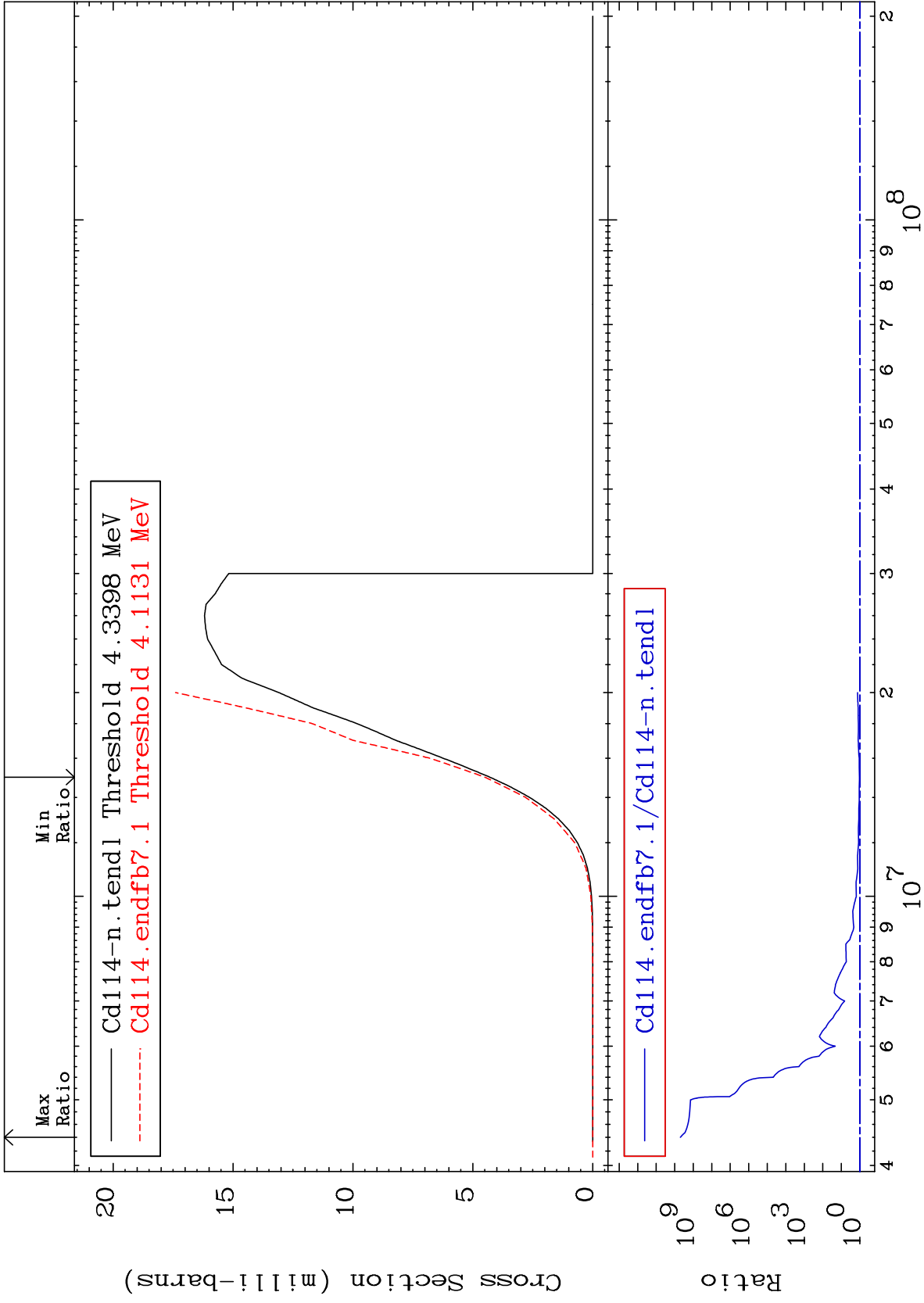
MAT 4849

(n,p)

48-Cd-114

Cross Section

4.891 To 9999. %



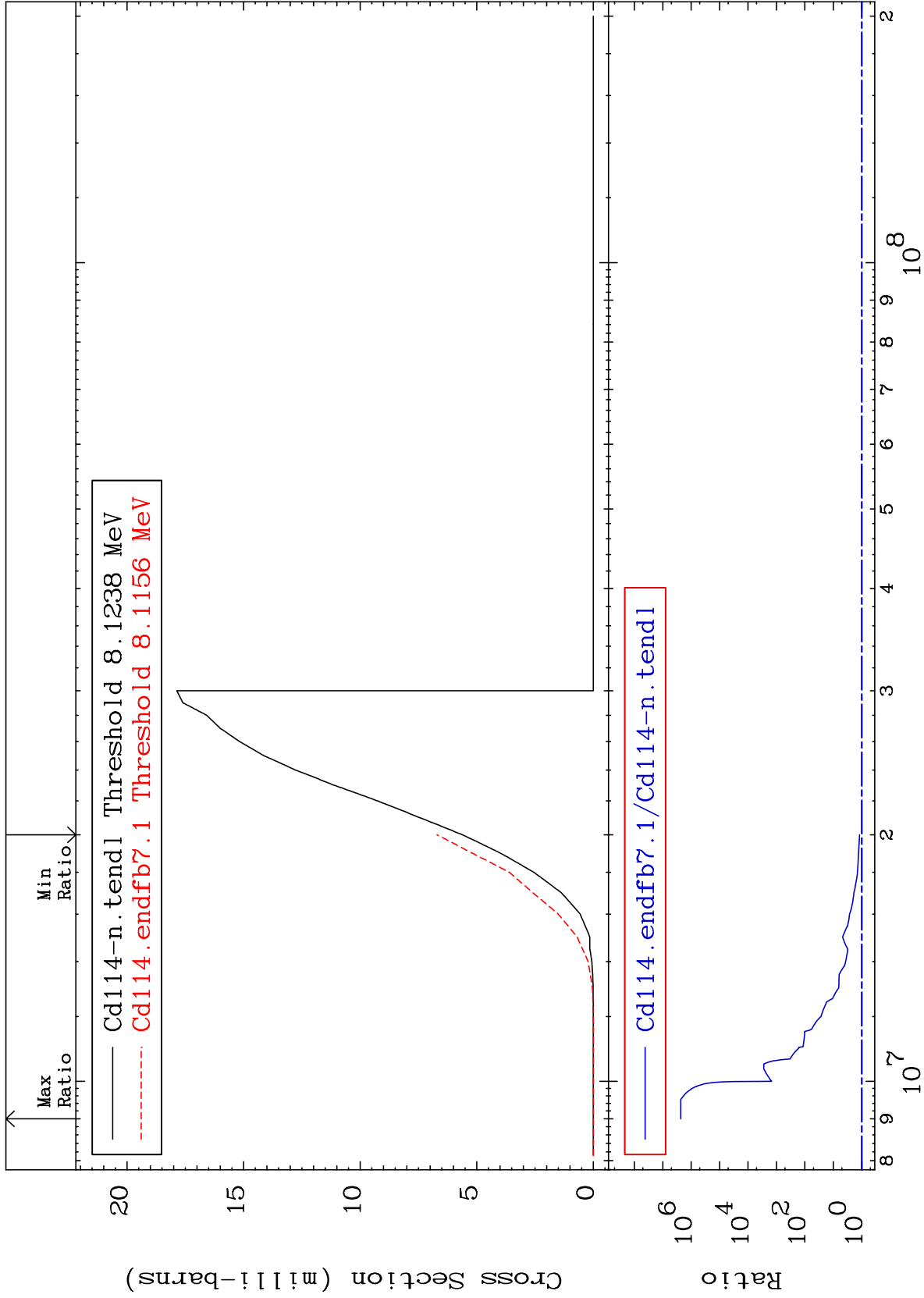
MAT 4849

(n, d)

48-Cd-114

Cross Section

19.48 To 9999. %



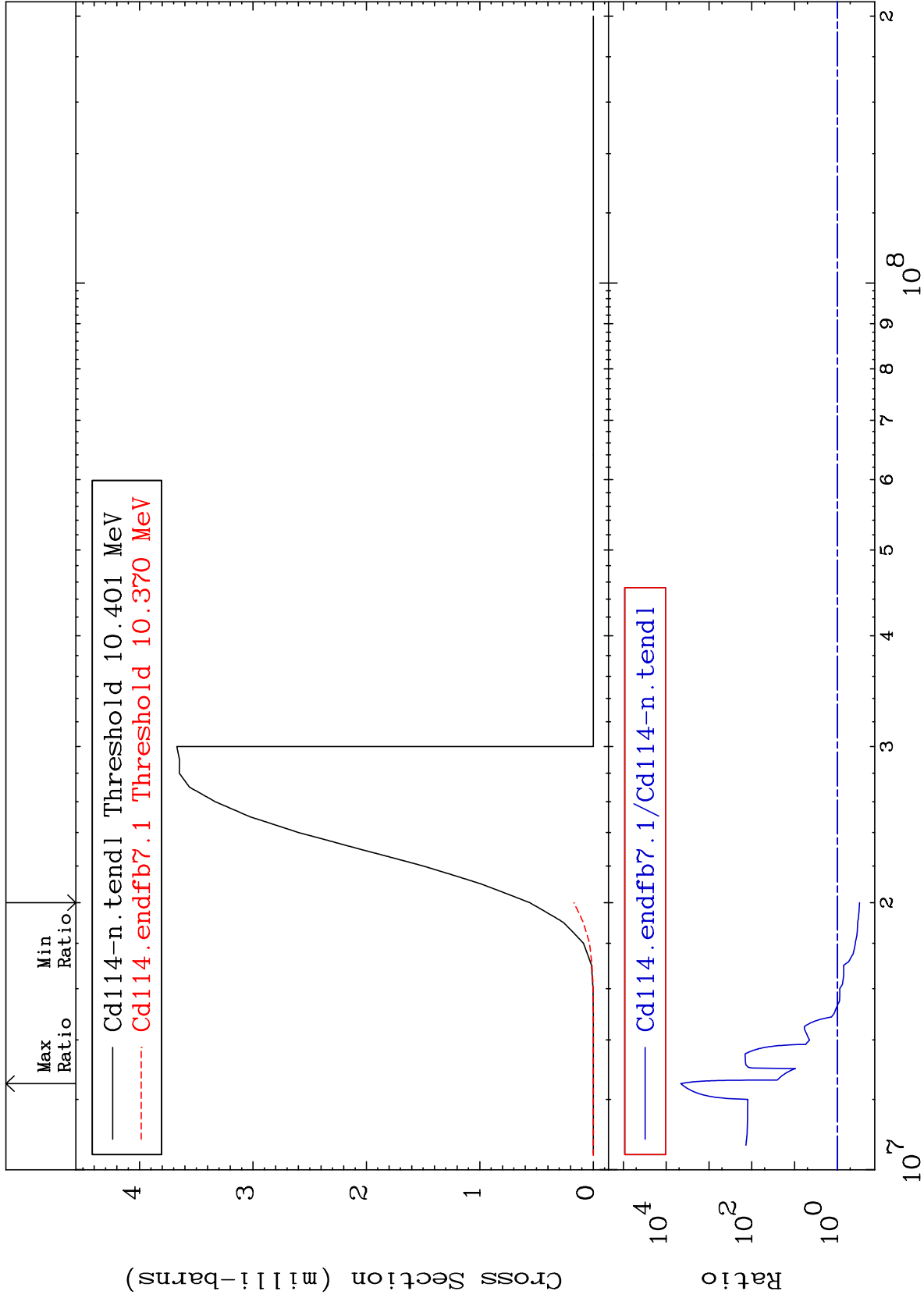
MAT 4849

(n, t)

48-Cd-114

Cross Section

-69.64 To 9999. %



48-Cd-114



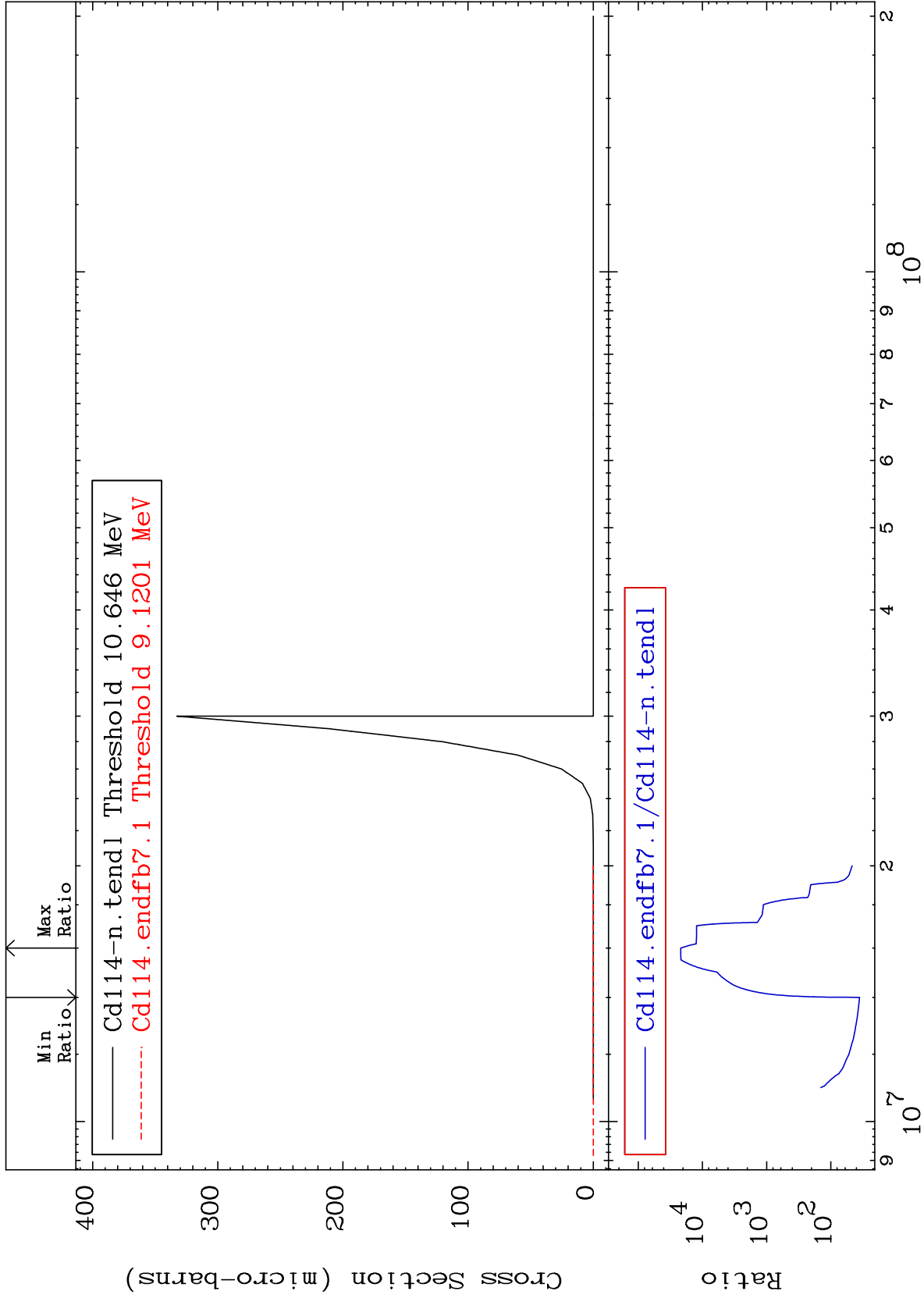
MAT 4849

(n,He-3)

48-Cd-114

Cross Section

3480. To 9999. %



25

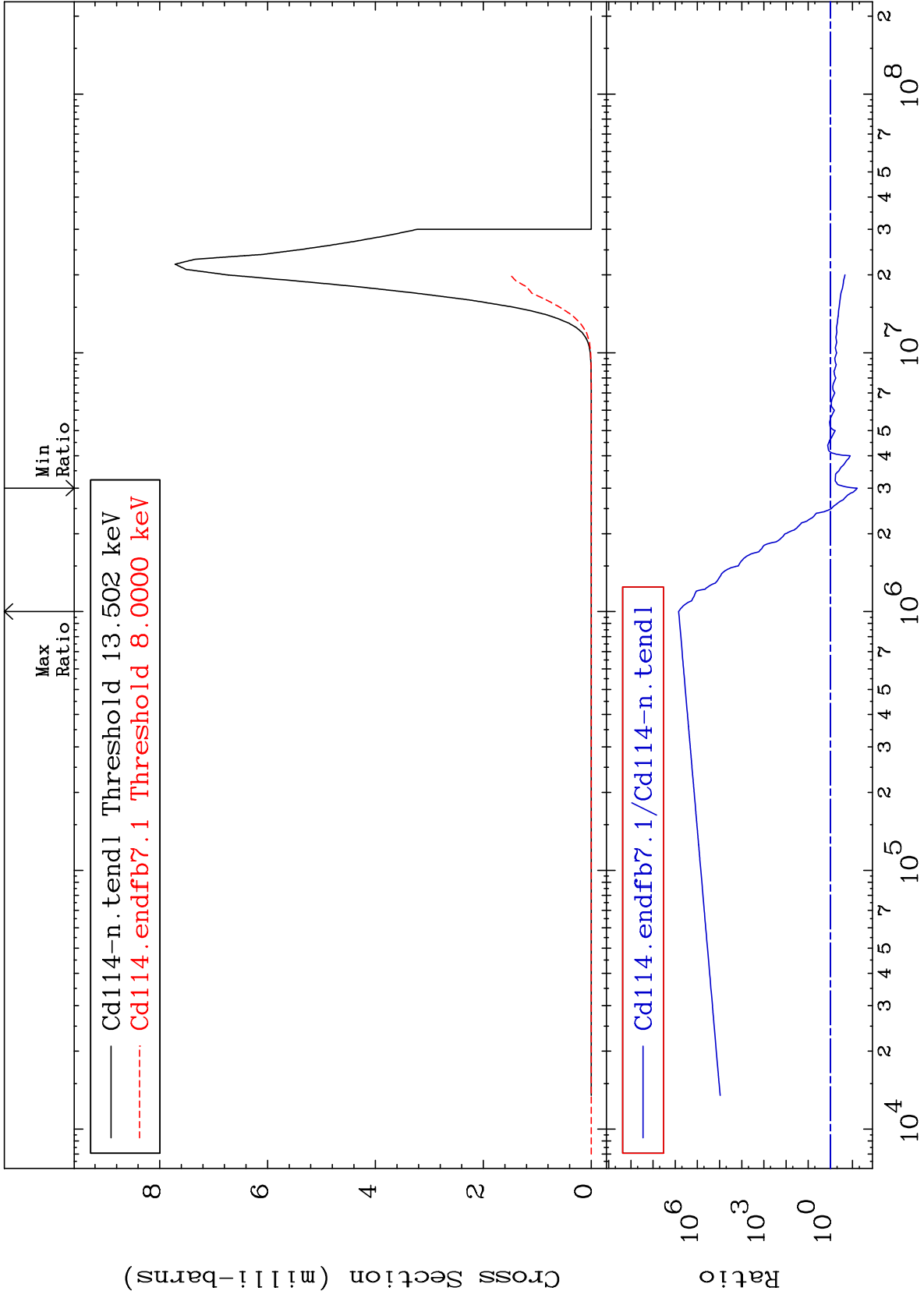
Incident Energy (eV)

48-Cd-114

MAT 4849

(n,  $\alpha$ )  
Cross Section

48-Cd-114  
-93.85 To 9999. %



26

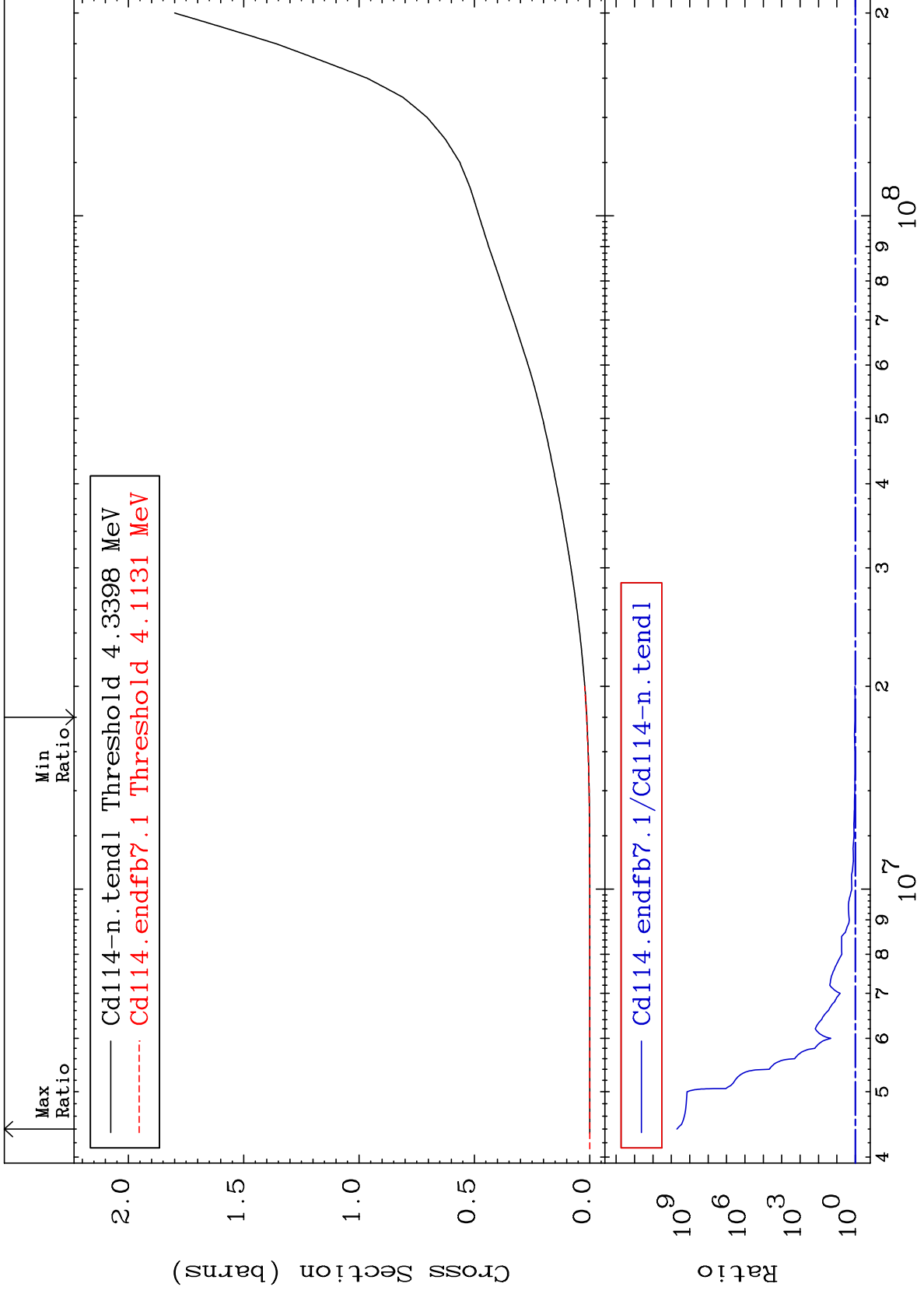
Incident Energy (eV)

48-Cd-114

MAT 4849

Hydrogen Production  
Cross Section

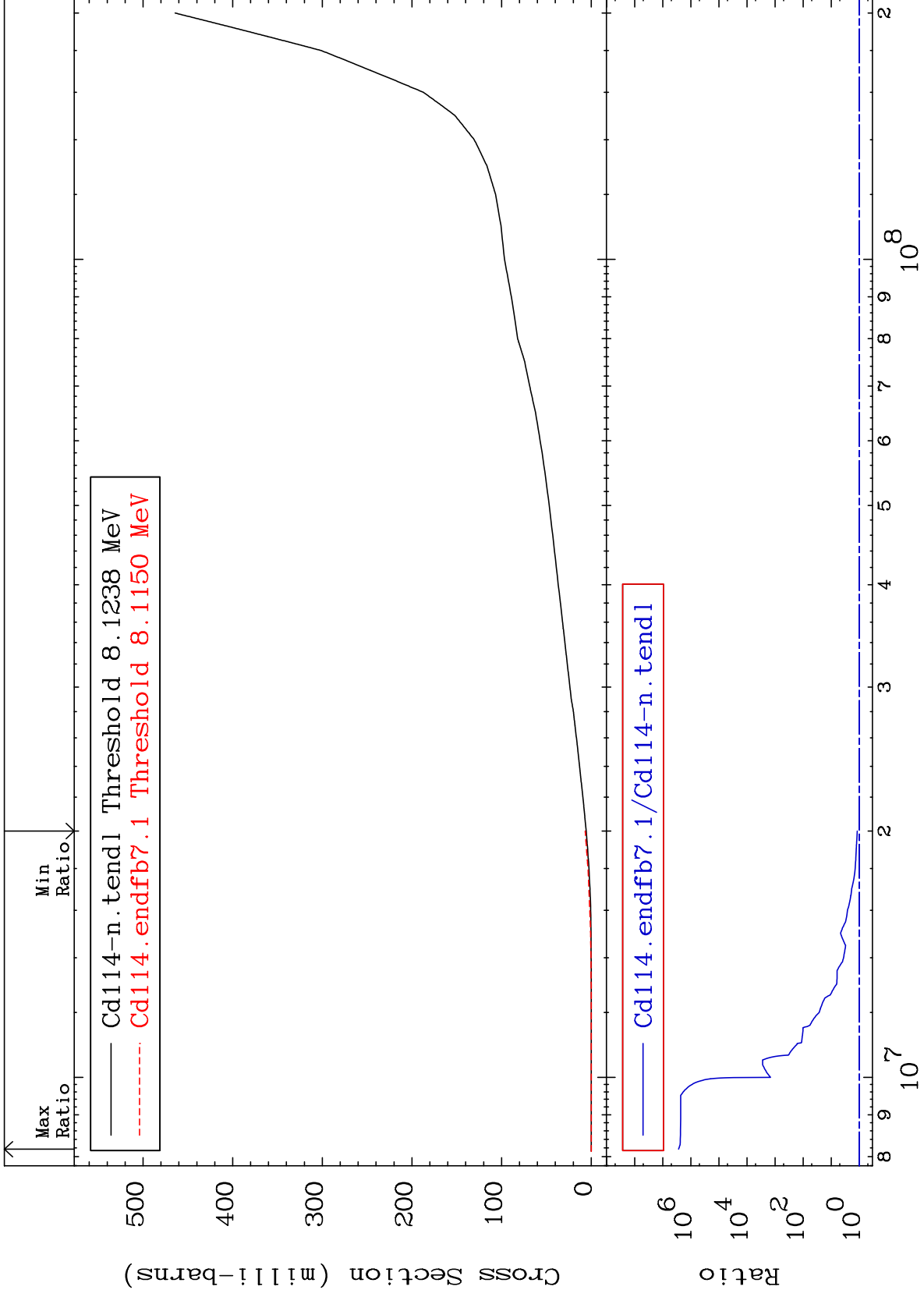
48-Cd-114  
To 9999. %  
2.952



MAT 4849

Deuterium Production  
Cross Section

48-Cd-114  
19.47 To 9999. %



28

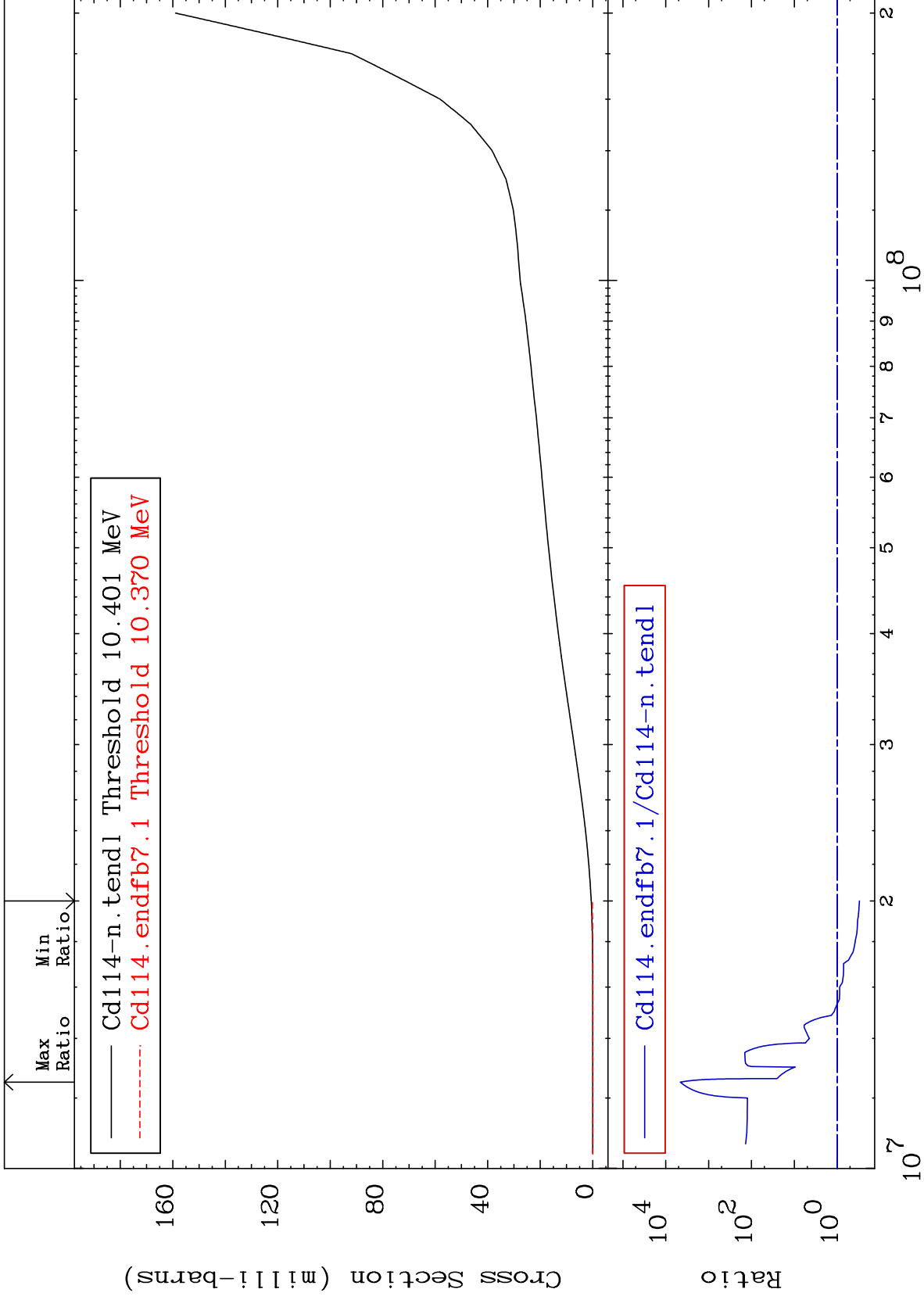
Incident Energy (eV)

48-Cd-114

MAT 4849

Tritium Production  
Cross Section

48-Cd-114  
-69.64 To 9999. %



29

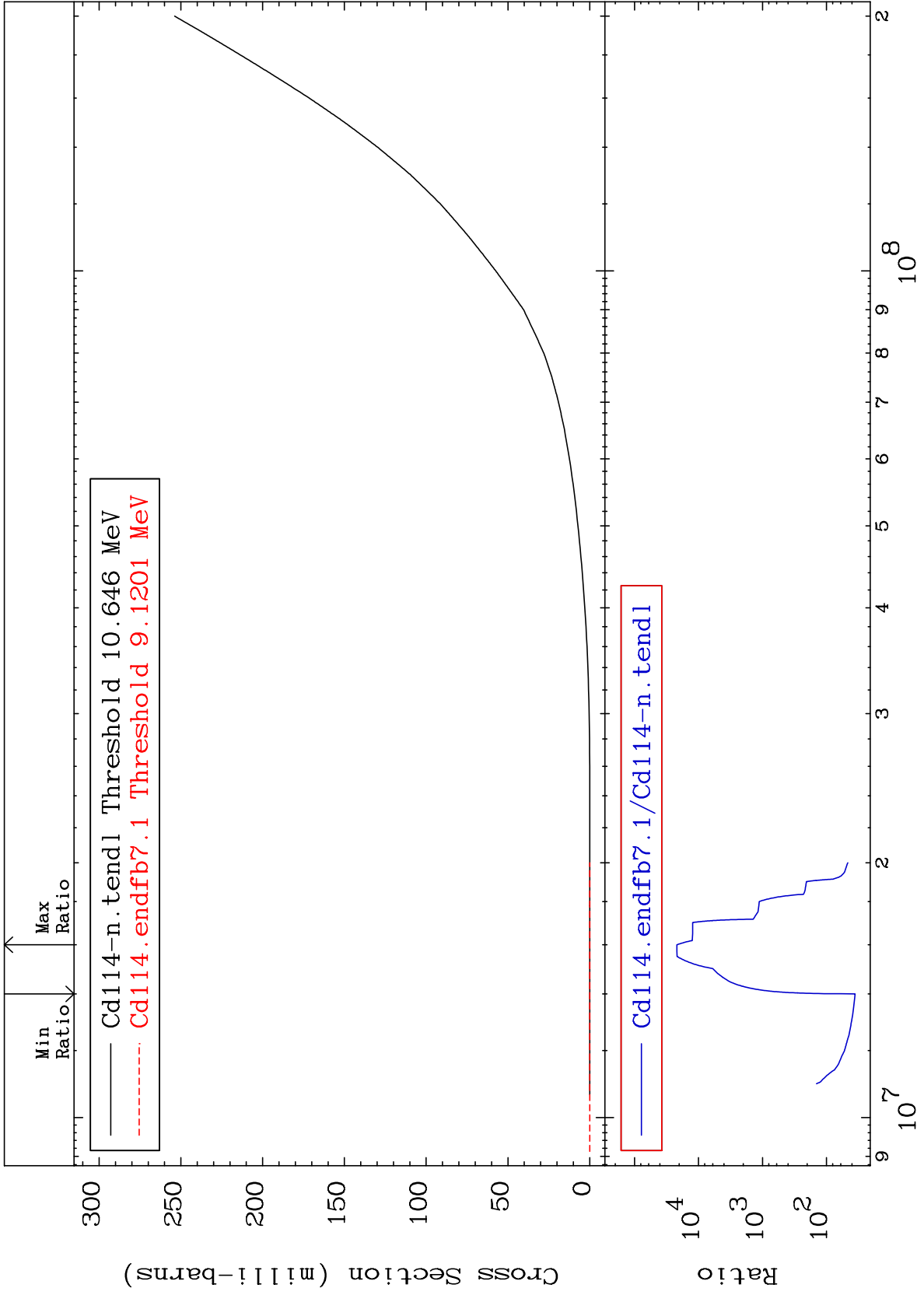
Incident Energy (eV)

48-Cd-114

MAT 4849

He-3 Production  
Cross Section

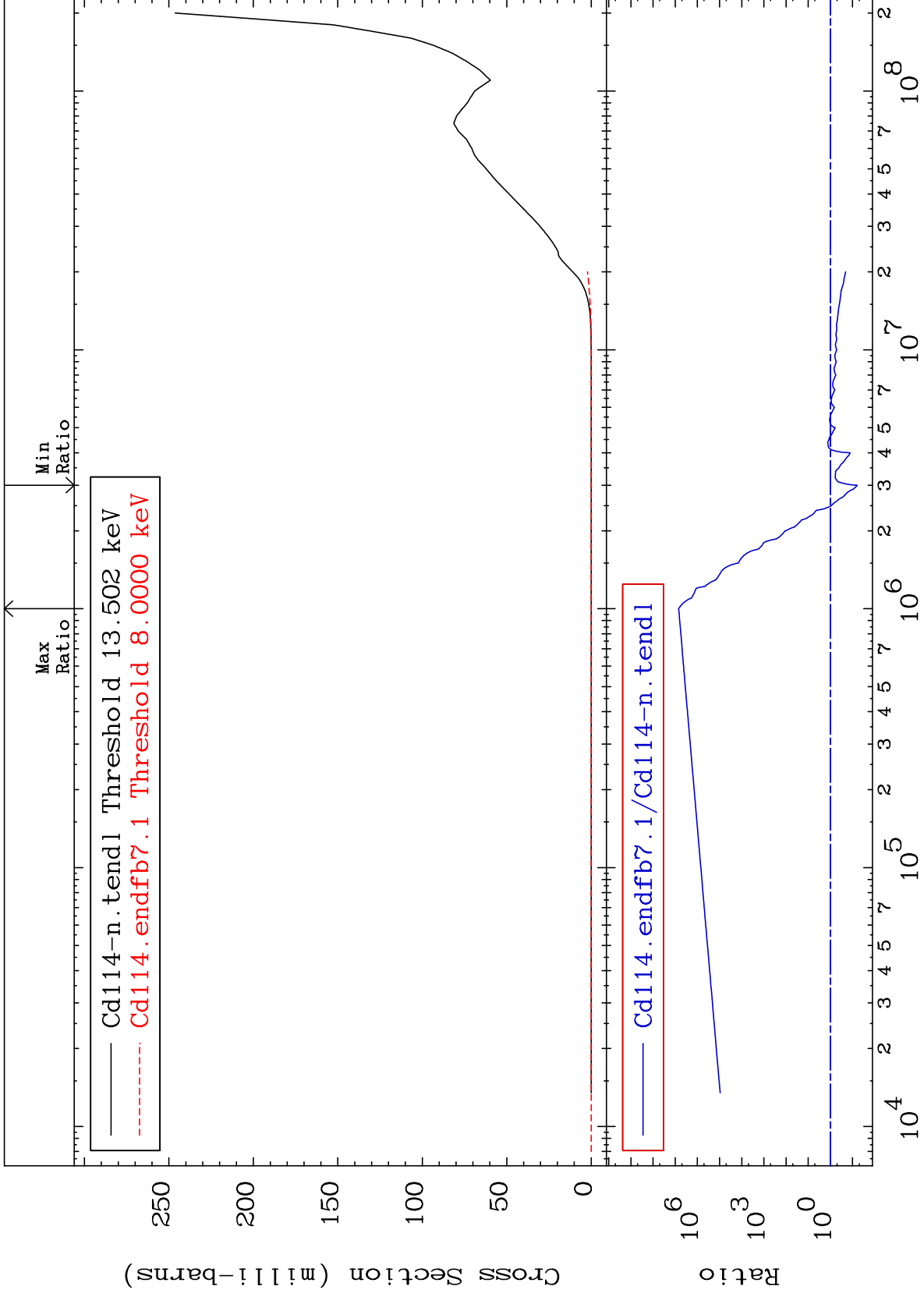
48-Cd-114  
3480. To 9999. %



30

Incident Energy (eV)

48-Cd-114



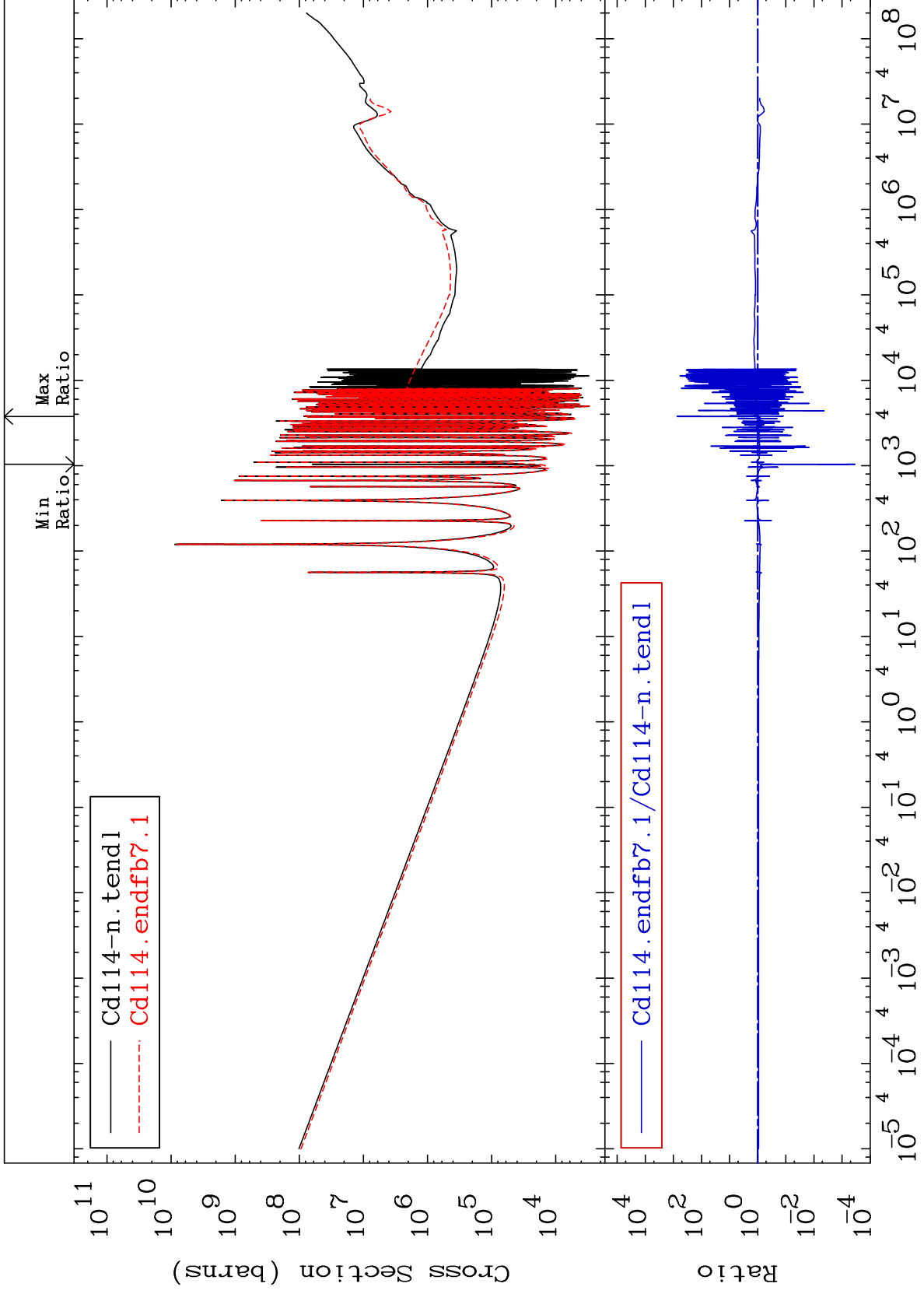
MAT 4849

Kerma total (eV-barns)

48-Cd-114

Cross Section

-99.97 To 9999. %

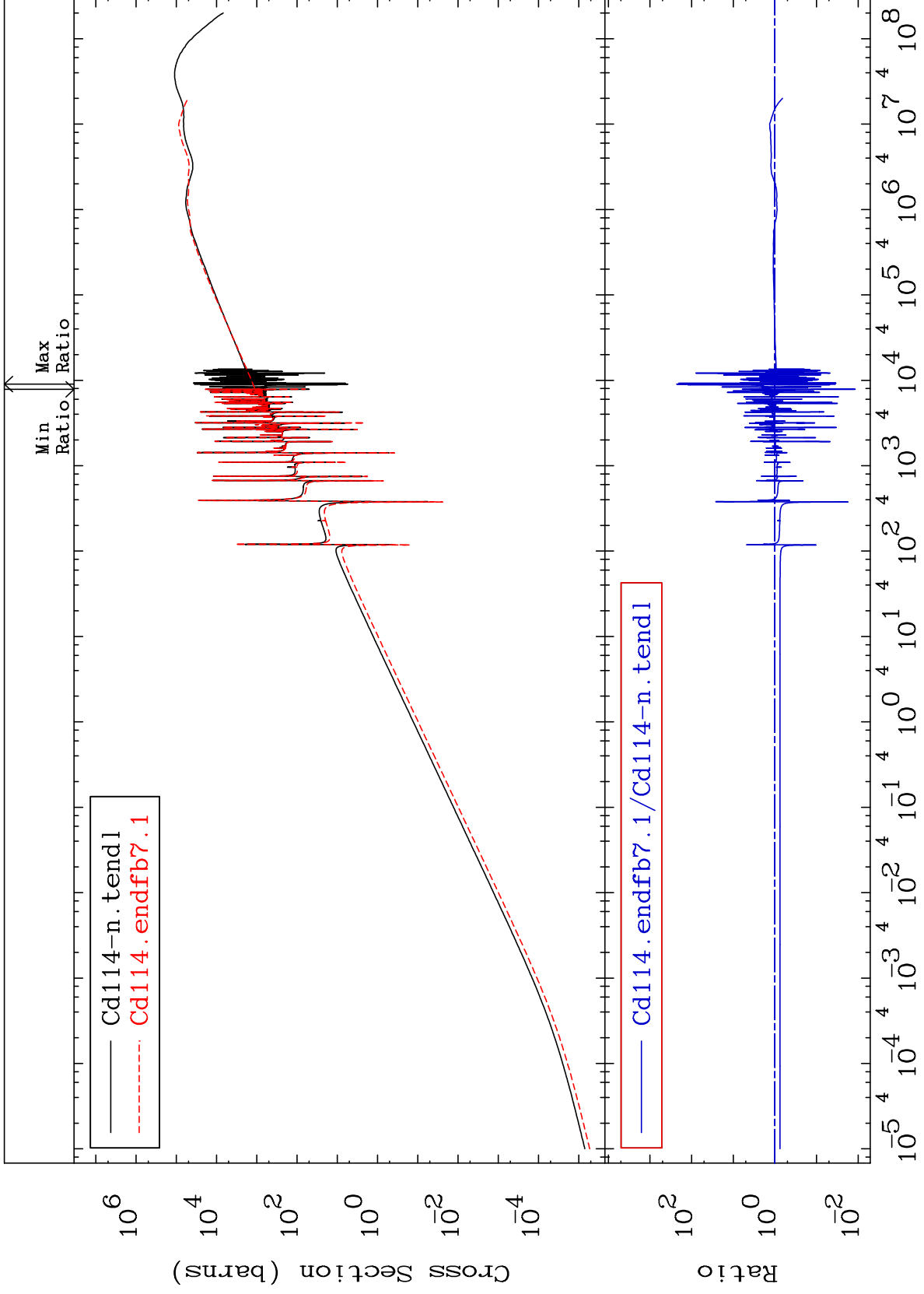


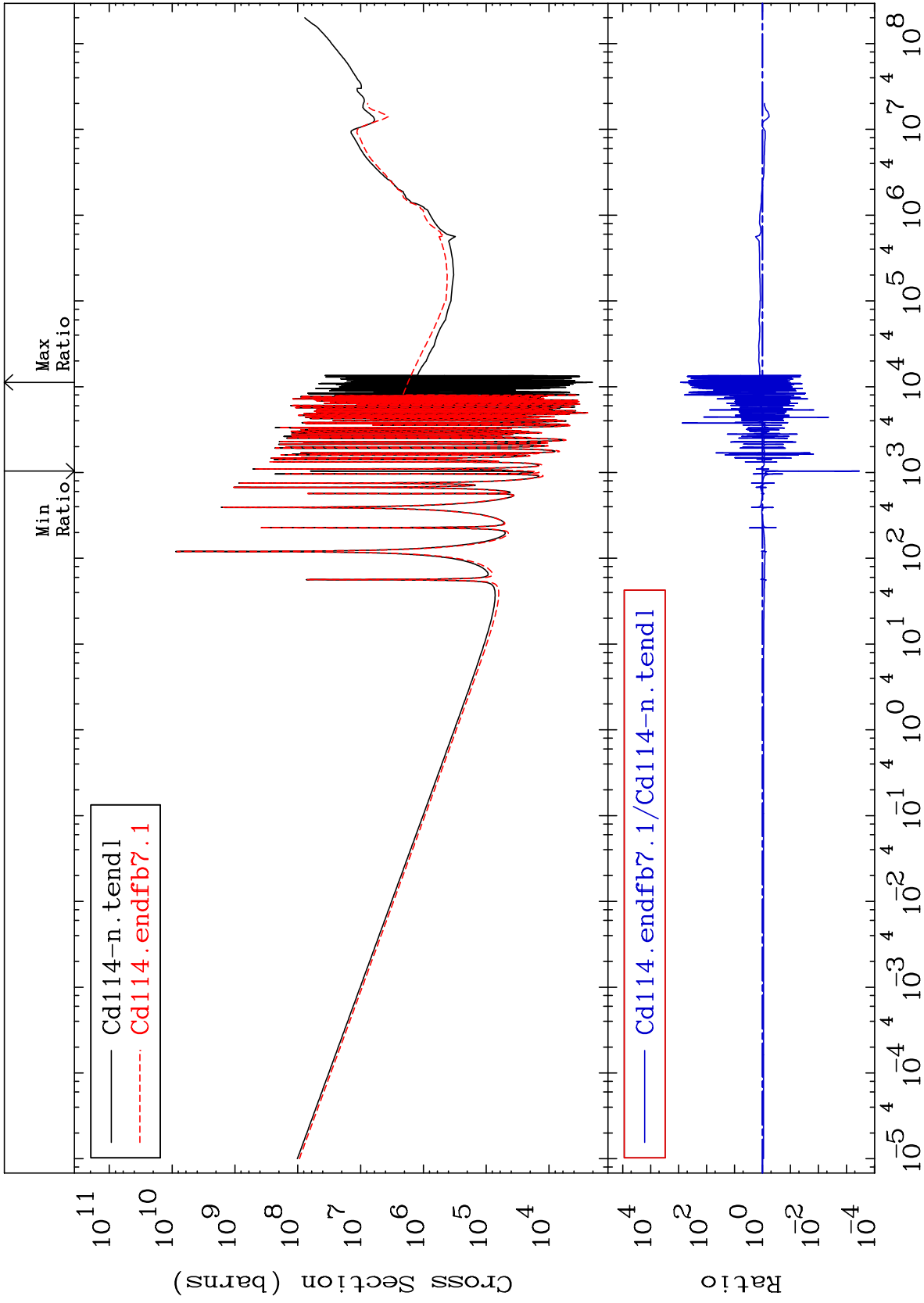


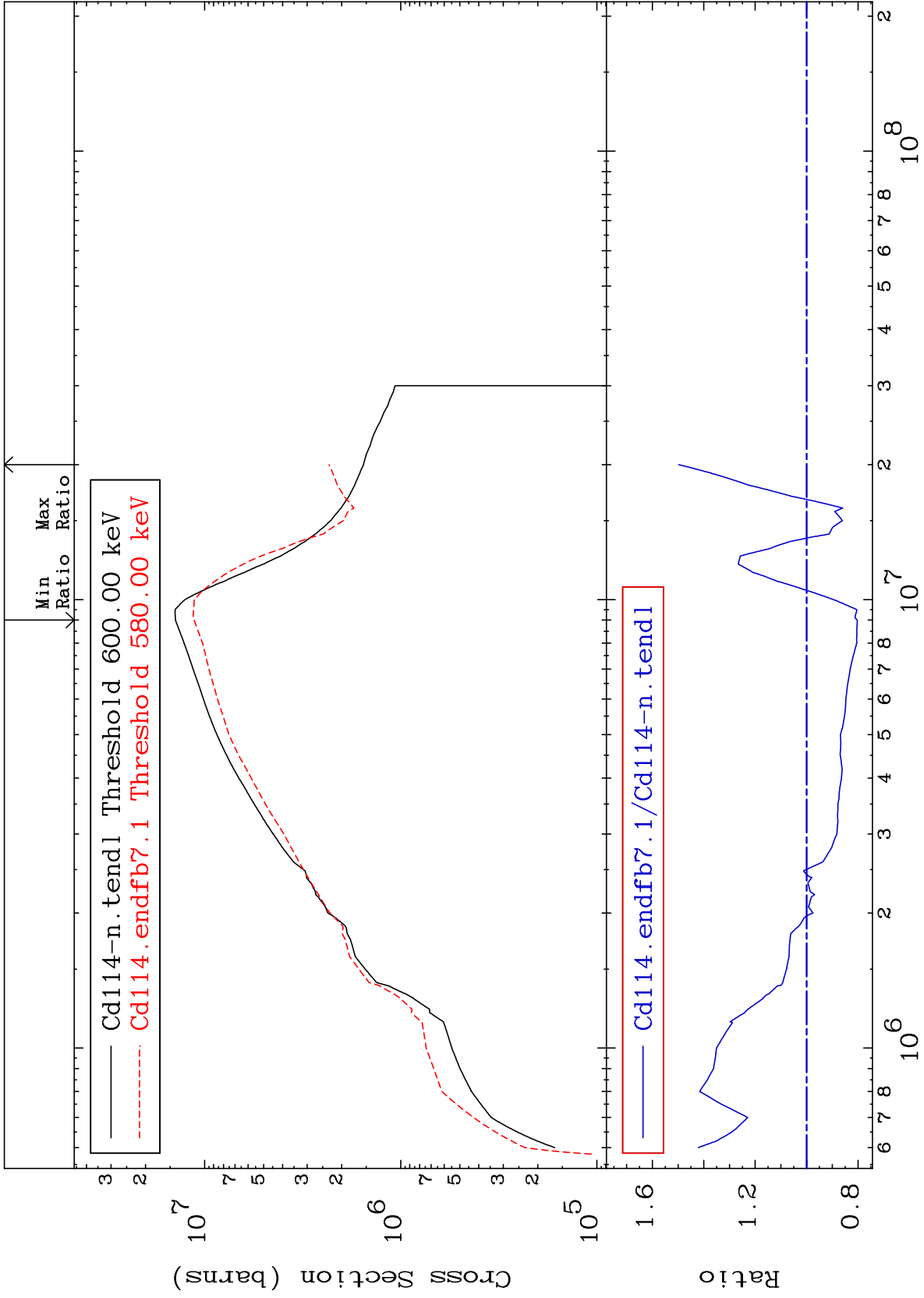
MAT 4849

Kerma elastic  
Cross Section

48-Cd-114  
-98.82 To 9999. %



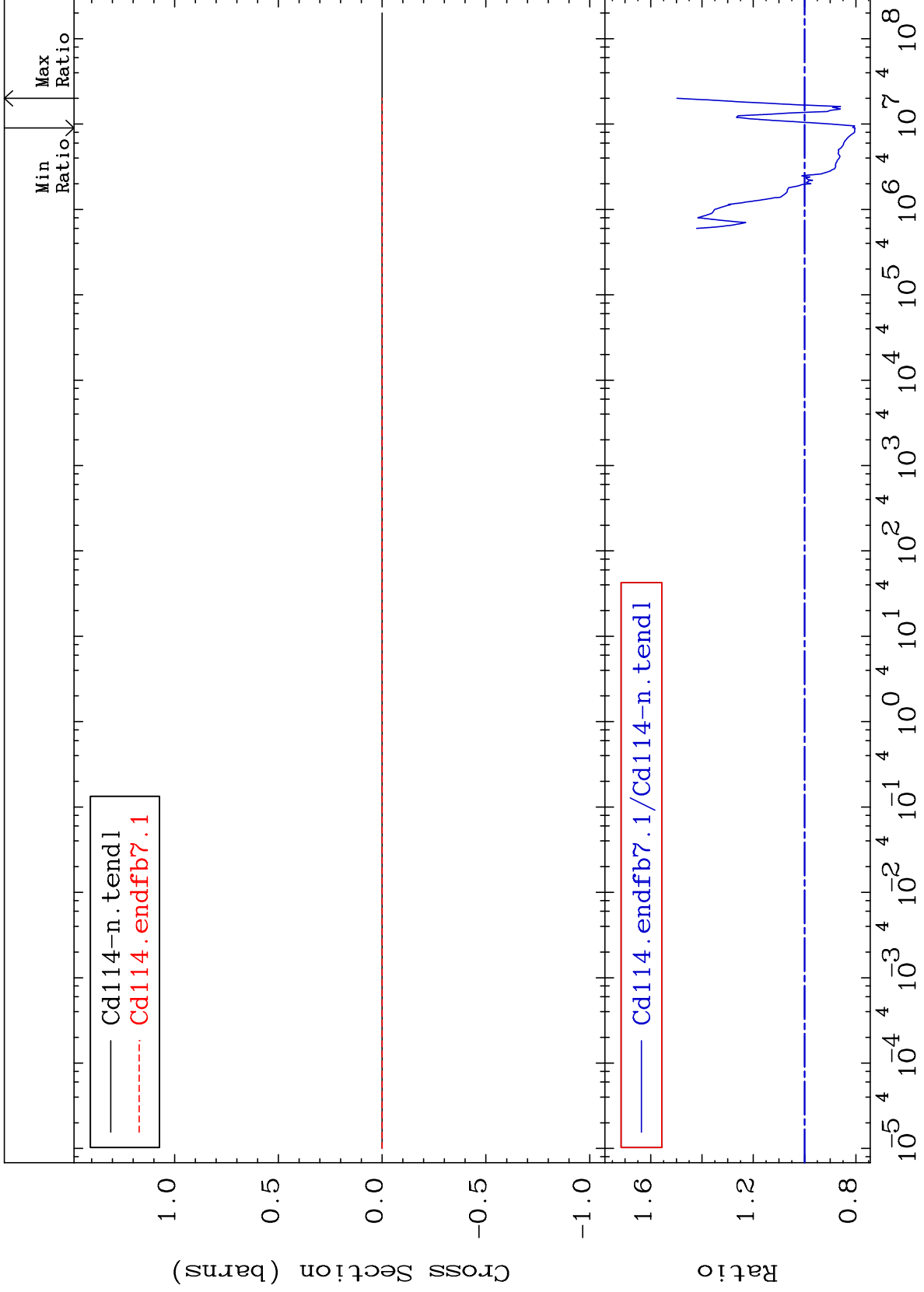




MAT 4849

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

48-Cd-114  
-19.71 To 49.79 %



36

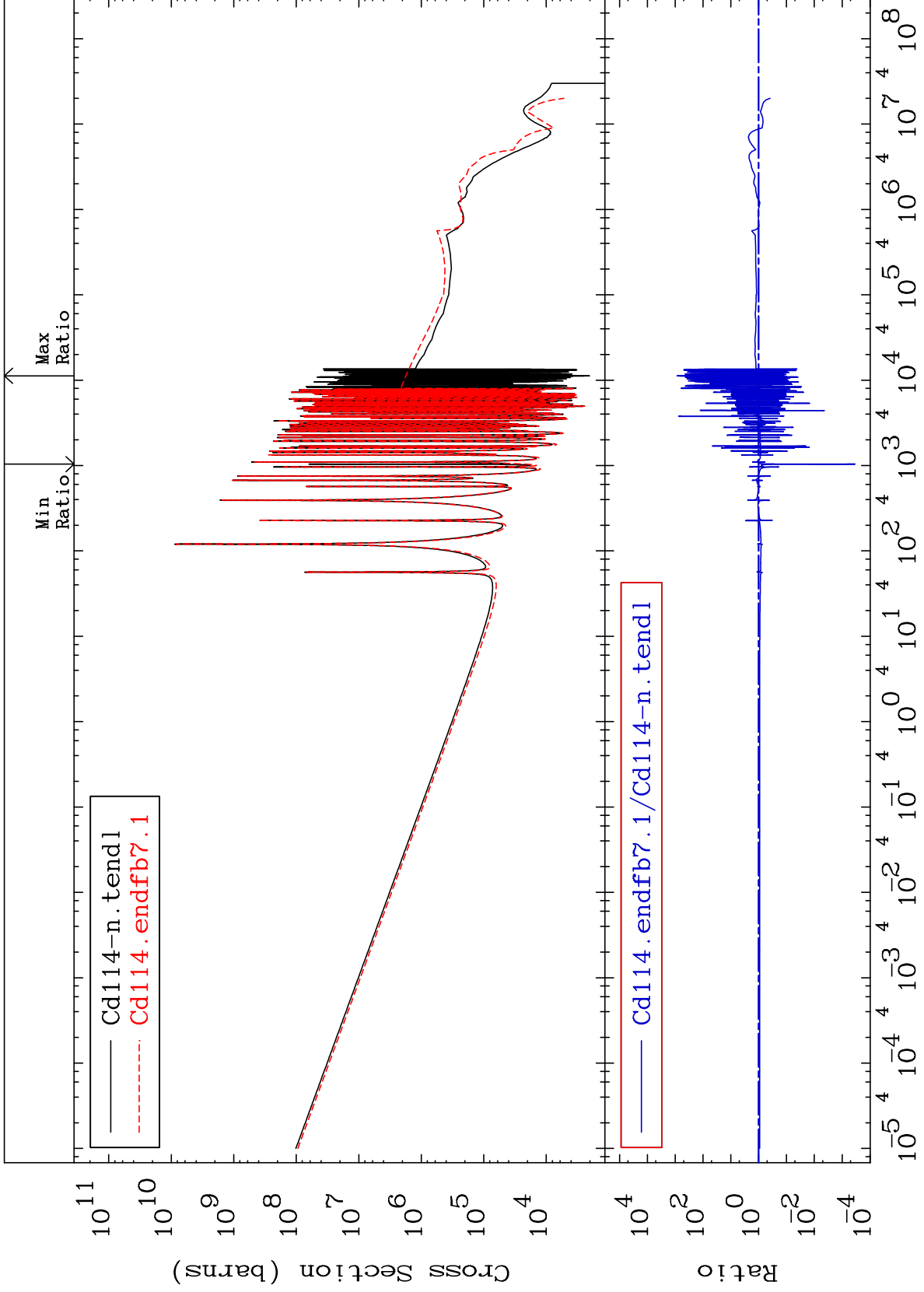
Incident Energy (eV)

48-Cd-114

MAT 4849

Kerma capture (mt102)  
Cross Section

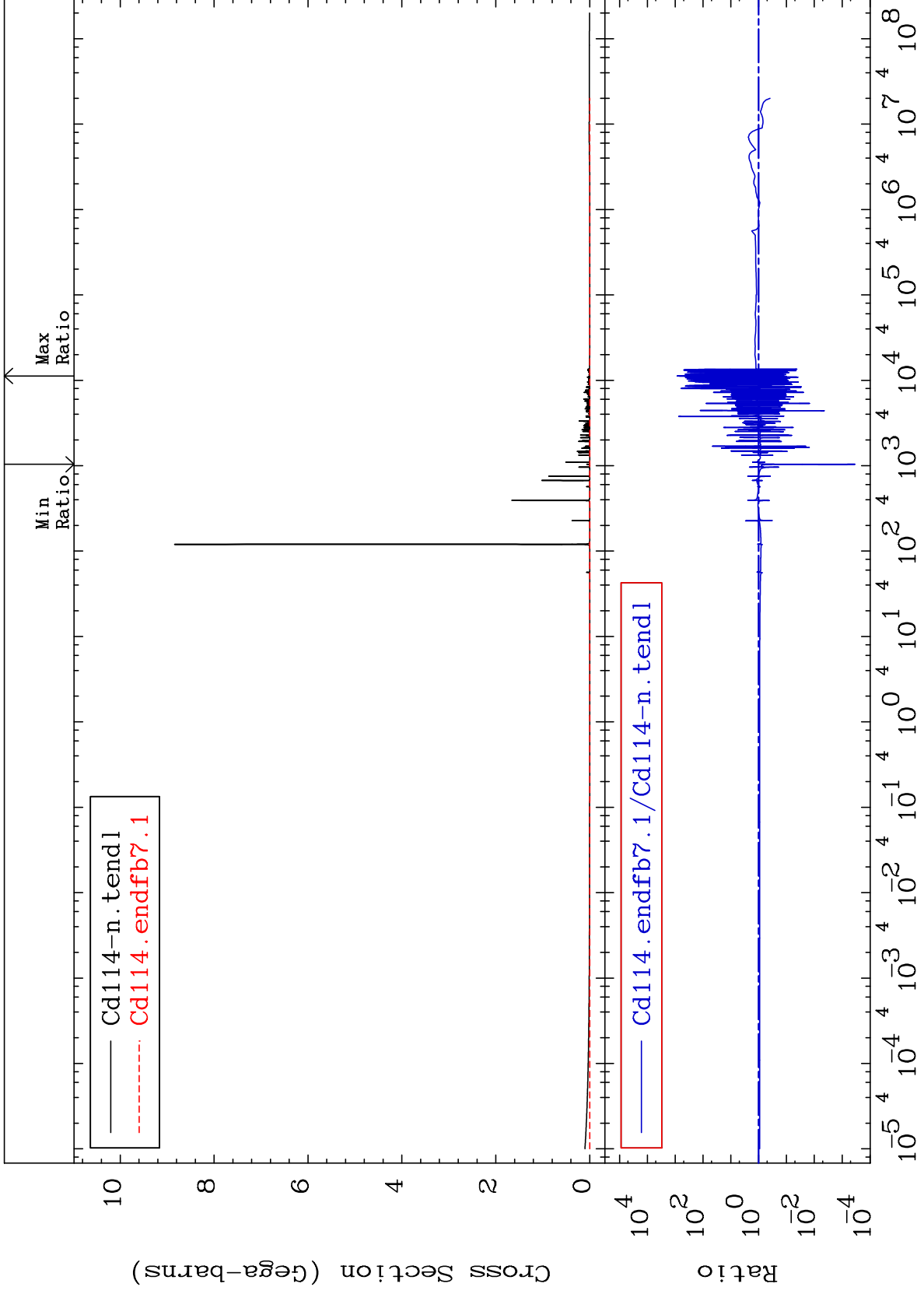
48-Cd-114  
-99.97 To 9999. %



37

Incident Energy (eV)

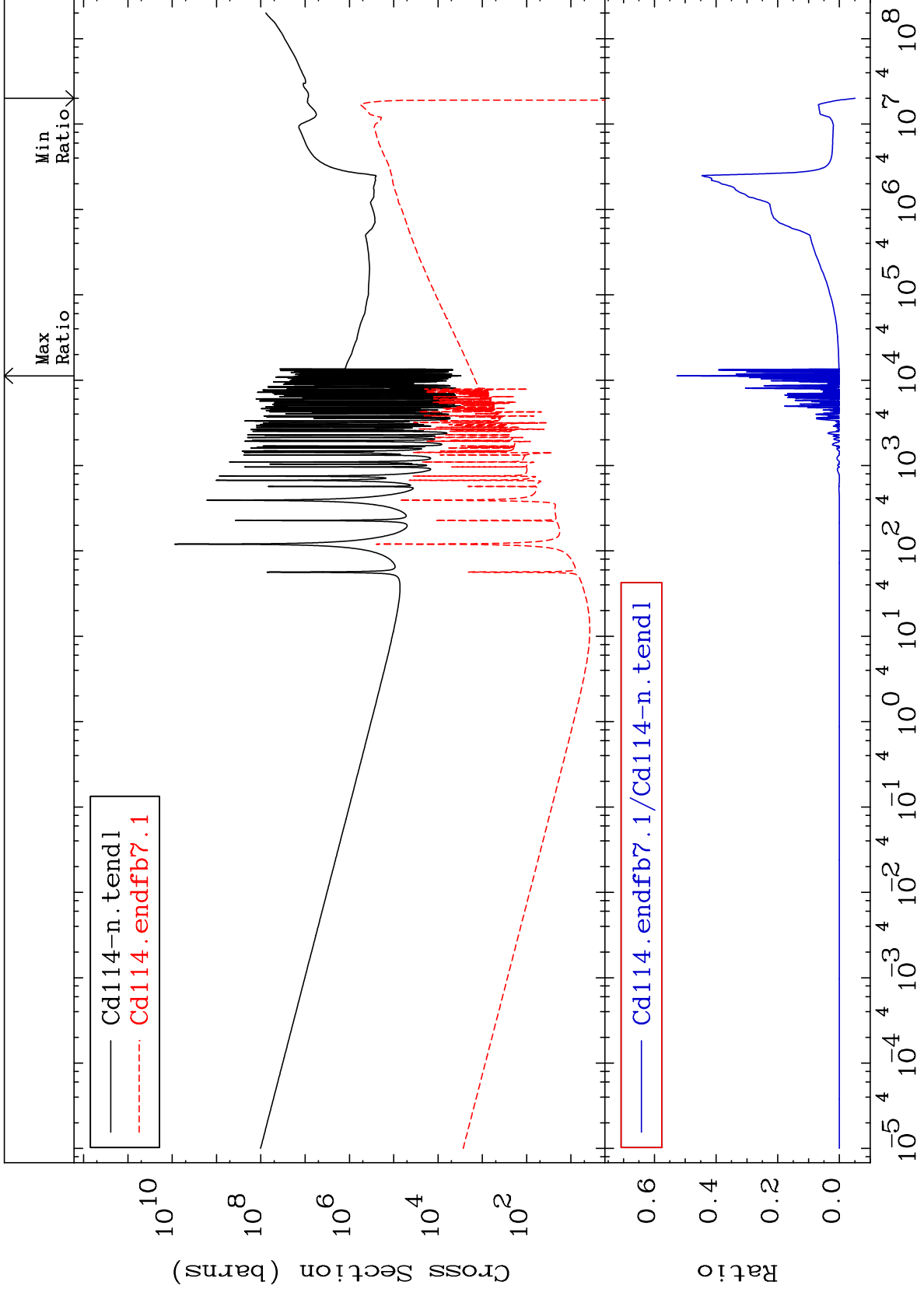
48-Cd-114



MAT 4849

Total kinematic kerma (high limit)  
Cross Section

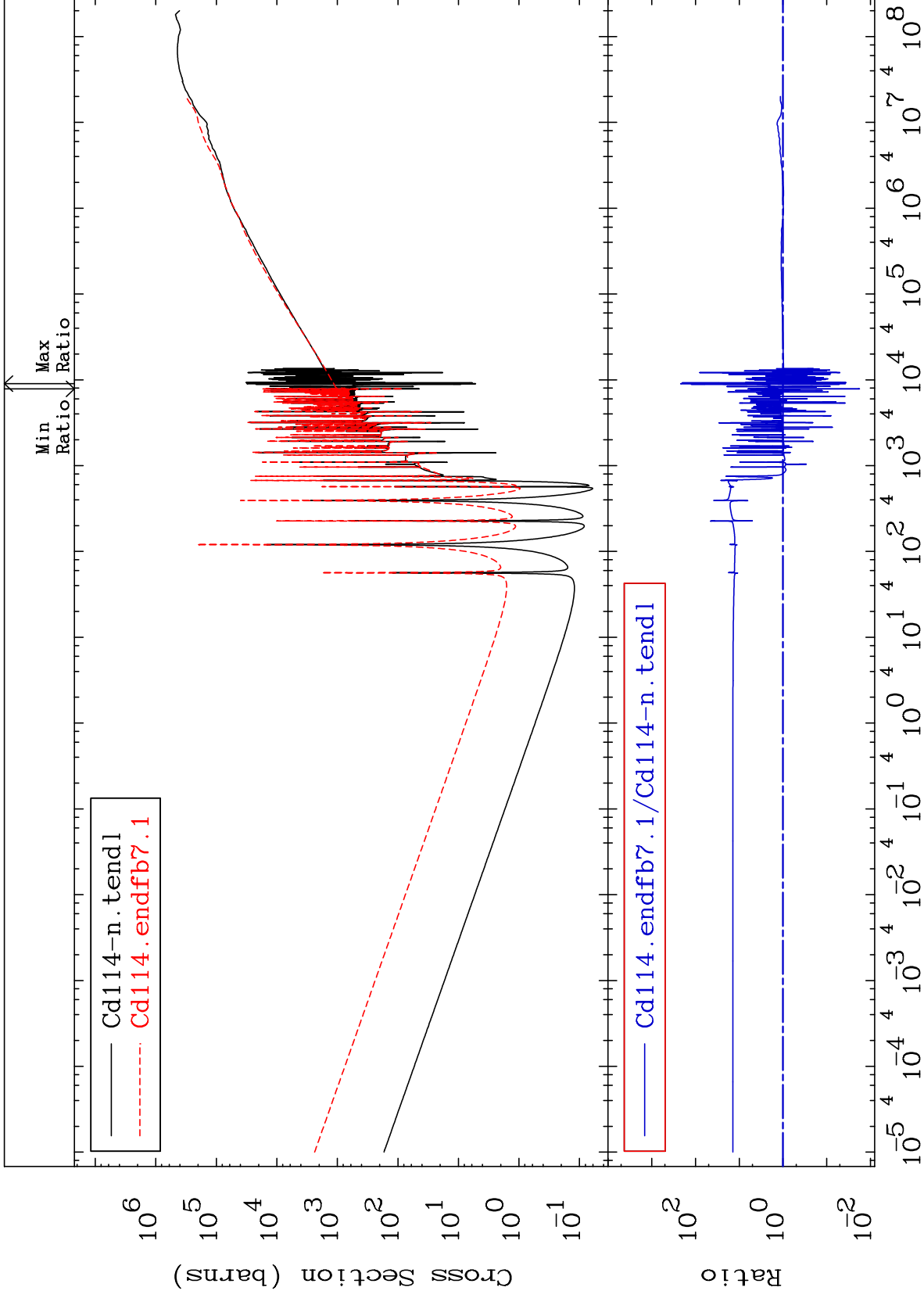
48-Cd-114  
-105.1 To -47.30%



MAT 4849

Dpa total (eV-barns)  
Cross Section

48-Cd-114  
-98.21 To 9999. %



40

Incident Energy (eV)

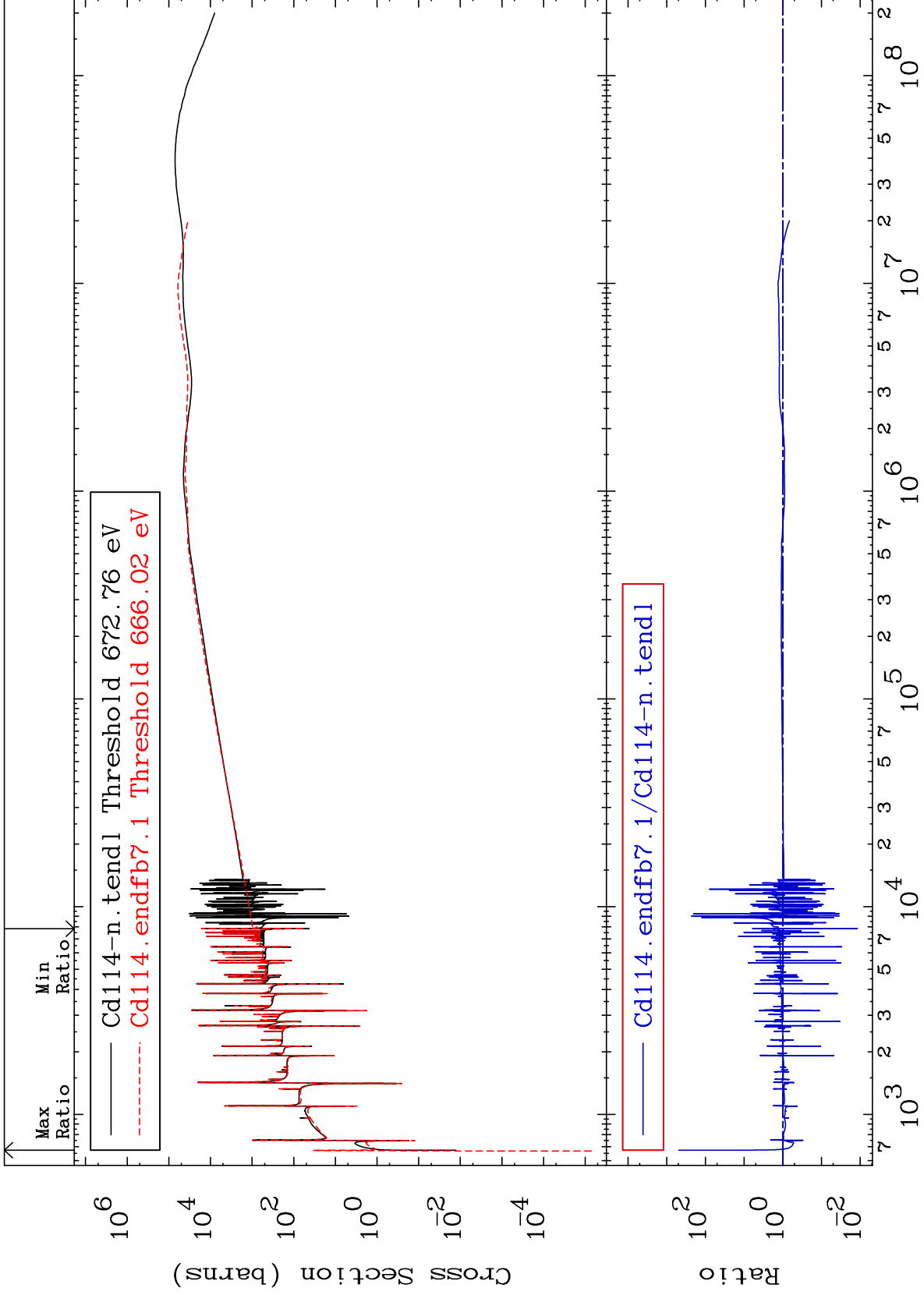
48-Cd-114



MAT 4849

Dpa elastic (mt2)  
Cross Section

48-Cd-114  
-98.82 To 9999. %



41

Incident Energy (eV)

48-Cd-114

