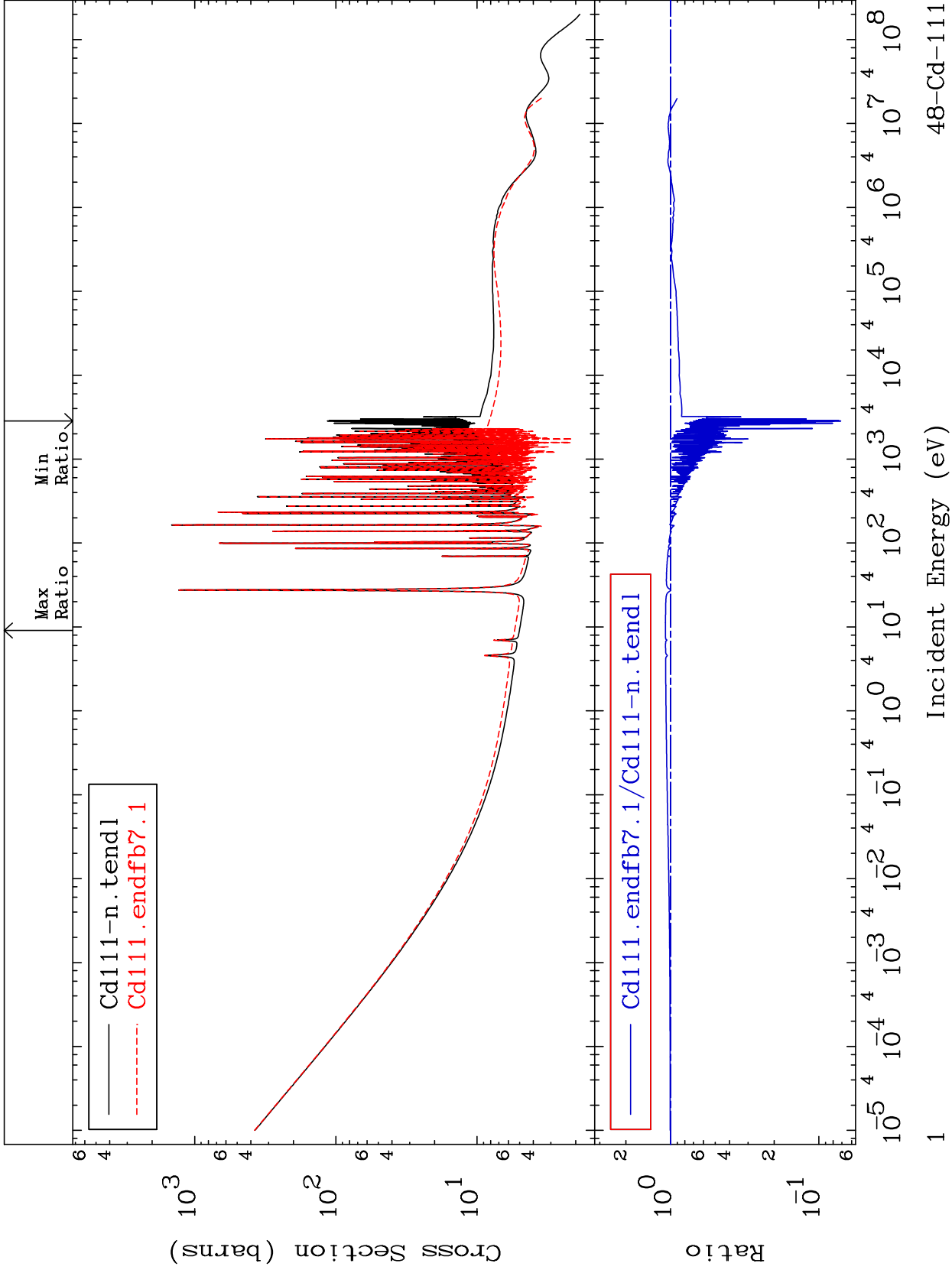


MAT 4840

48-Cd-111

-92.88 To 8.101 %

Total  
Cross Section



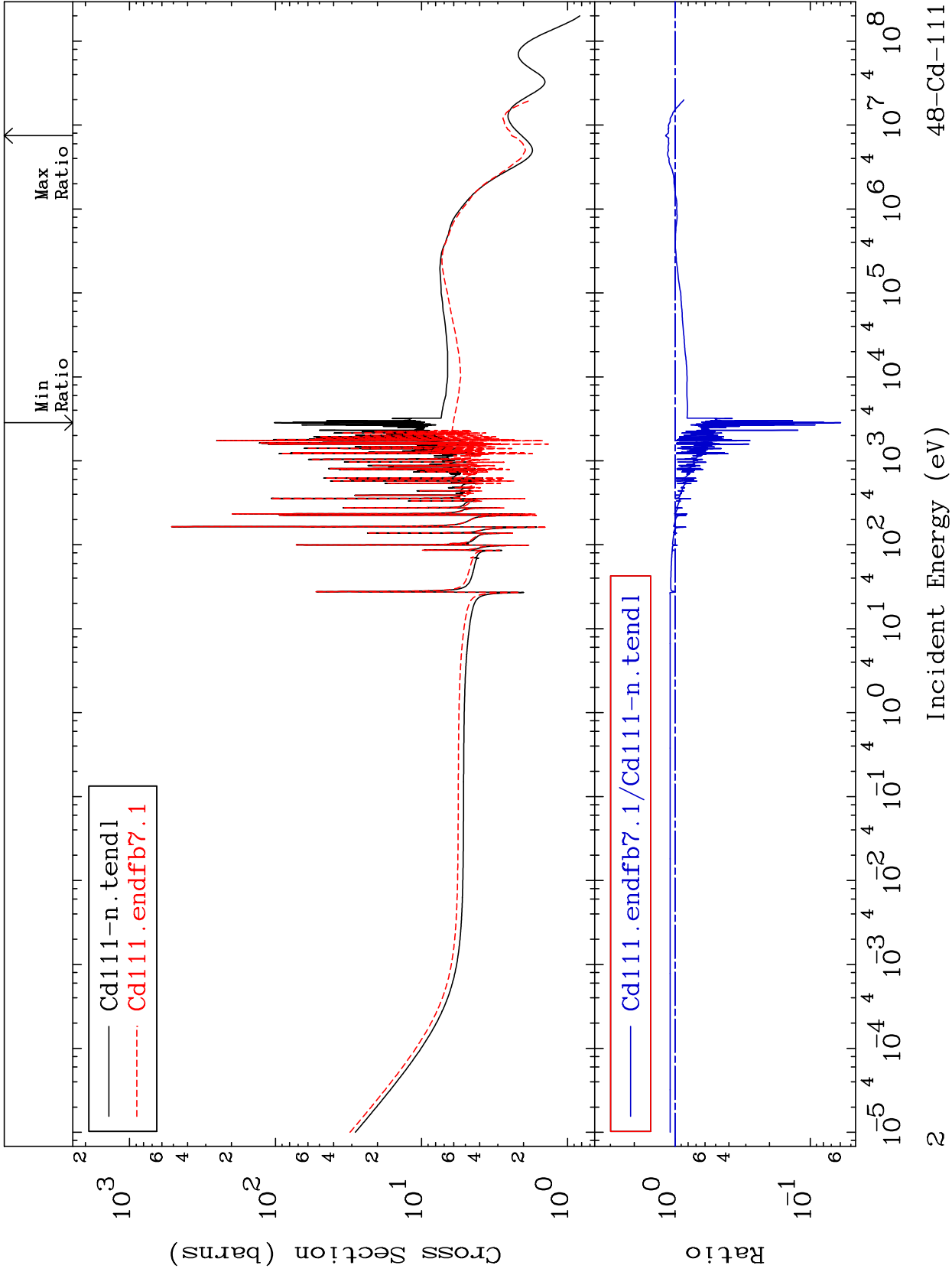
48-Cd-111

Incident Energy (eV)

MAT 4840

Elastic  
Cross Section

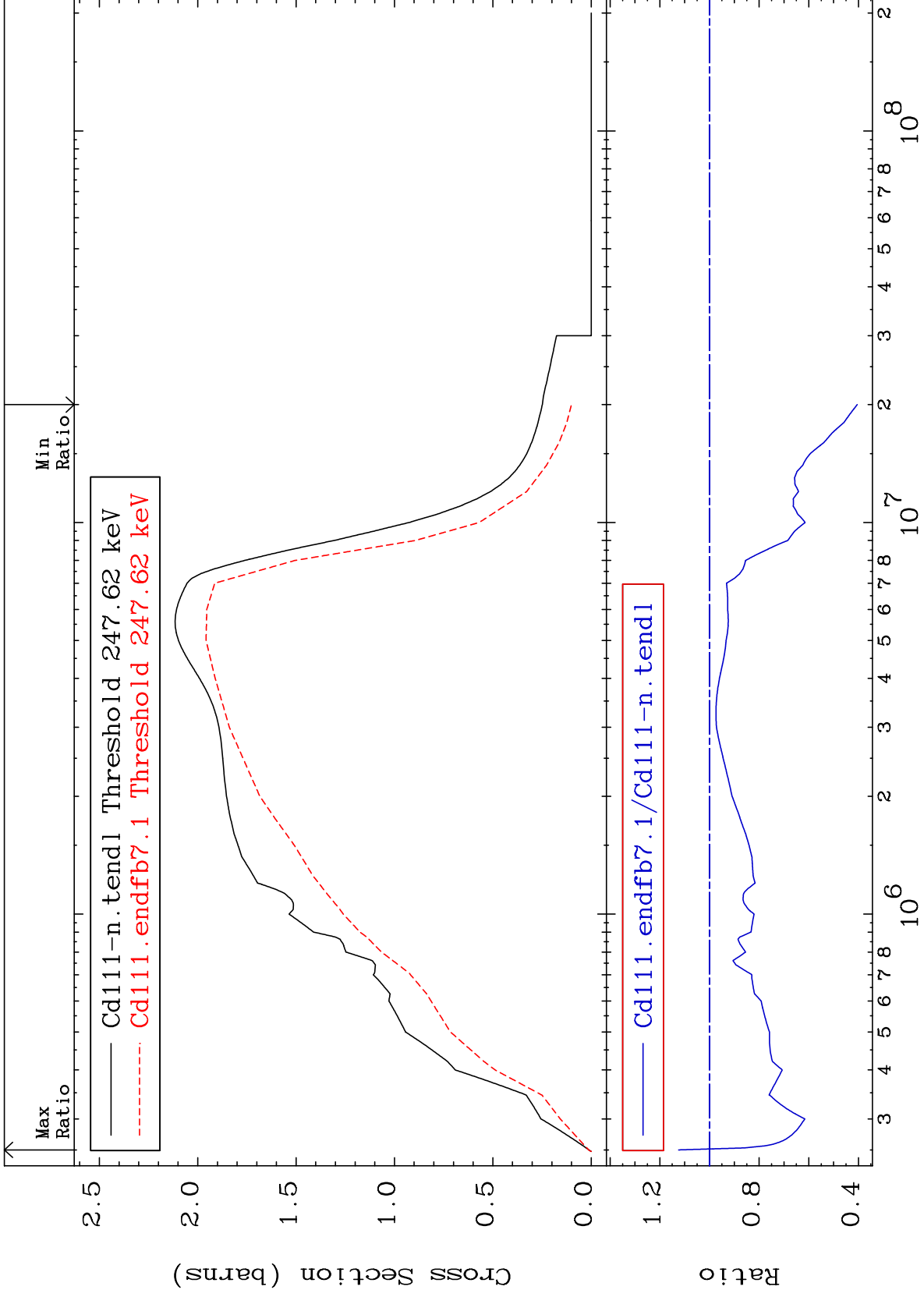
48-Cd-111  
-94.04 To 17.57 %



MAT 4840

Inelastic  
Cross Section

48-Cd-111  
-59.52 To 12.42 %



3

Incident Energy (eV)

48-Cd-111

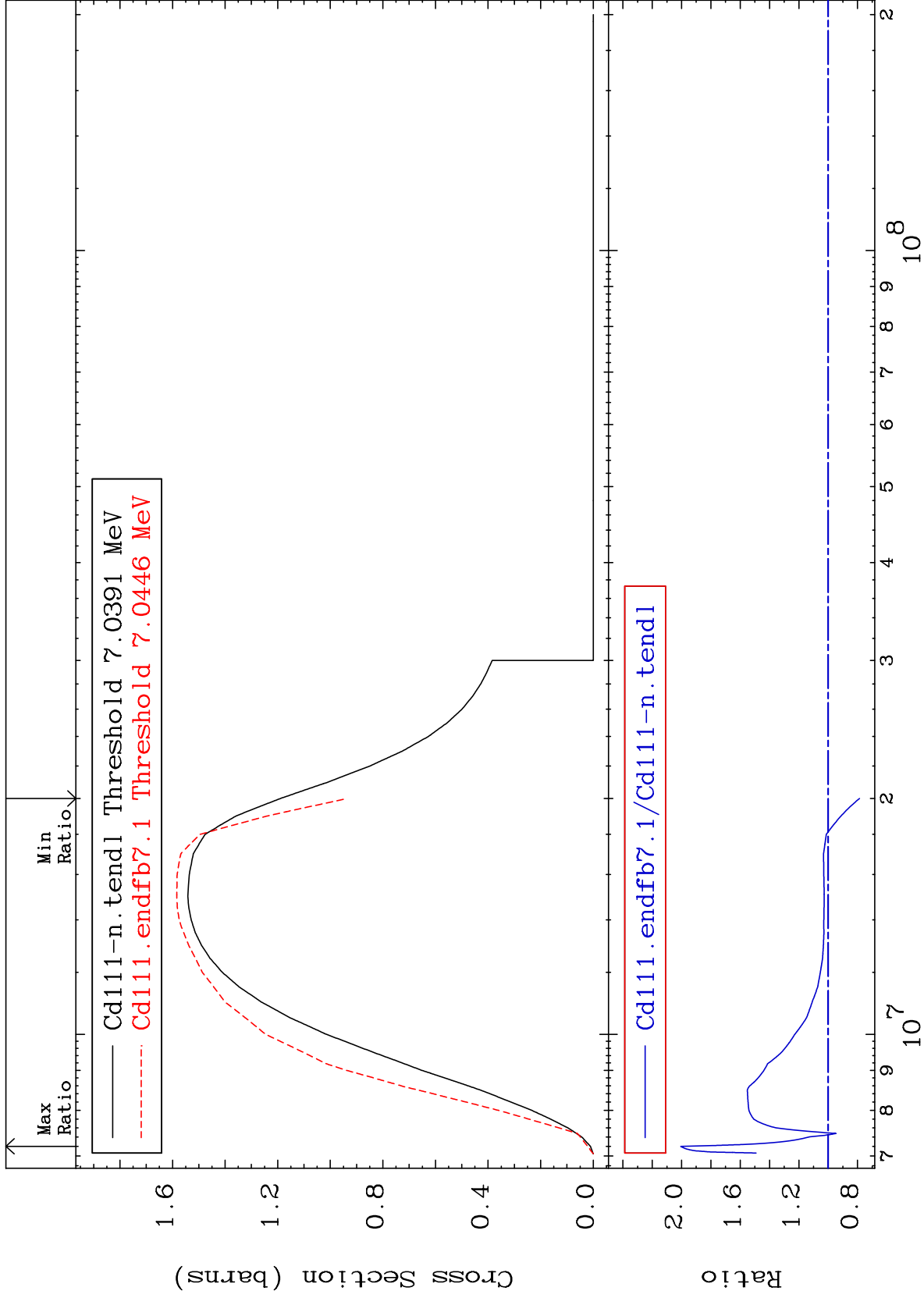
MAT 4840

(n,2n)

48-Cd-111

Cross Section

-21.37 To 100.5 %



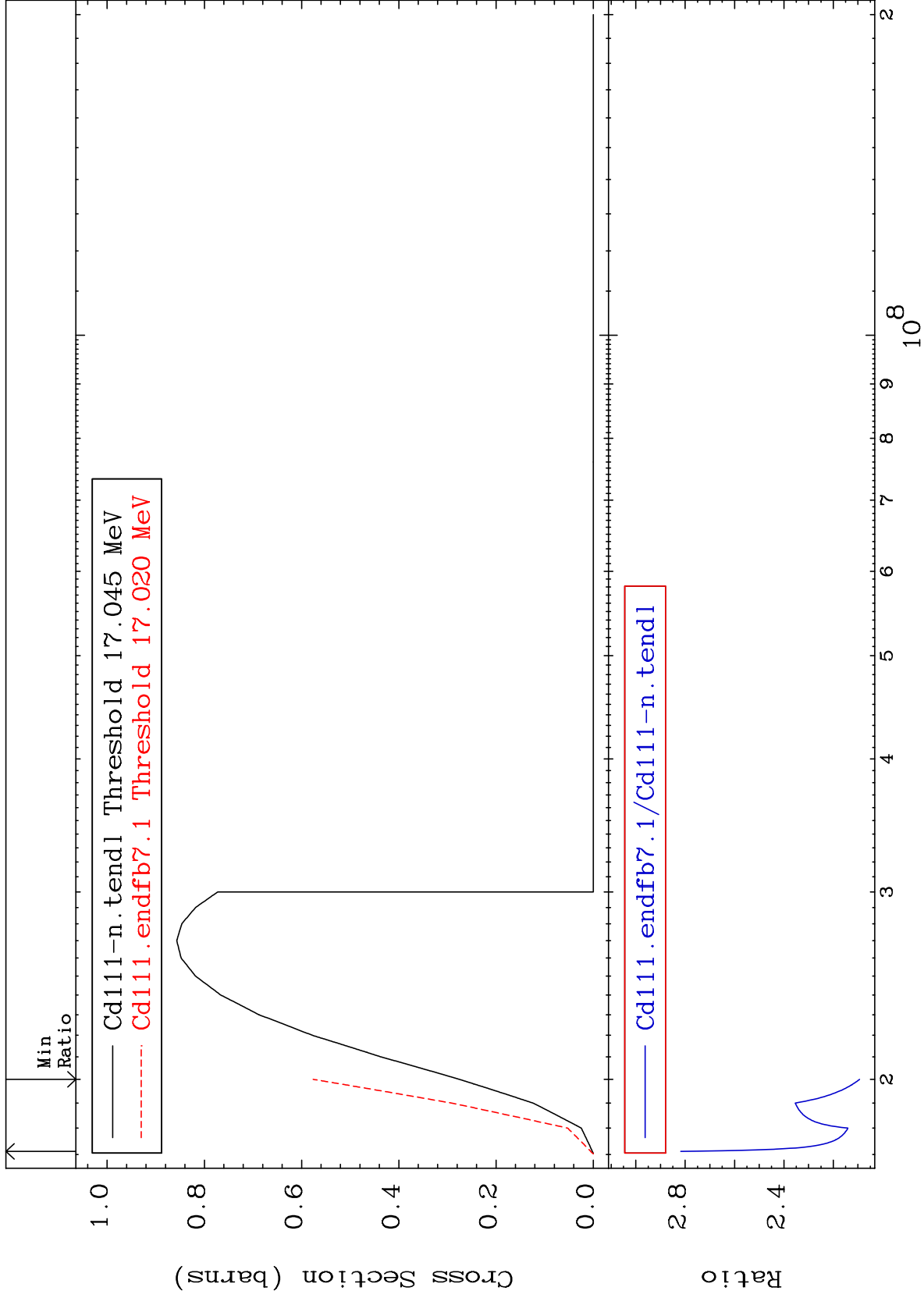
MAT 4840

(n,3n)

48-Cd-111

Cross Section

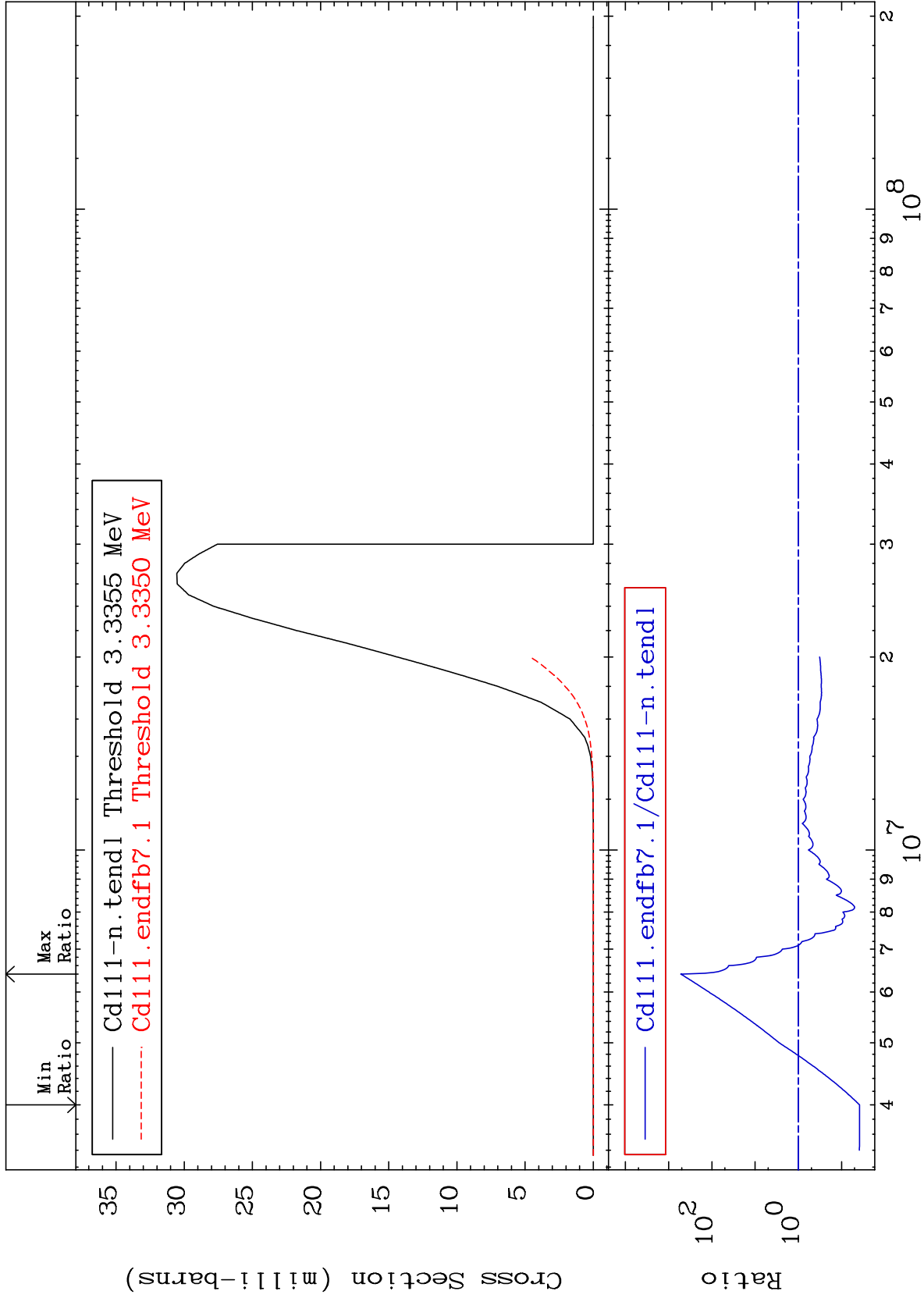
109.4 To 181.8 %



MAT 4840

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

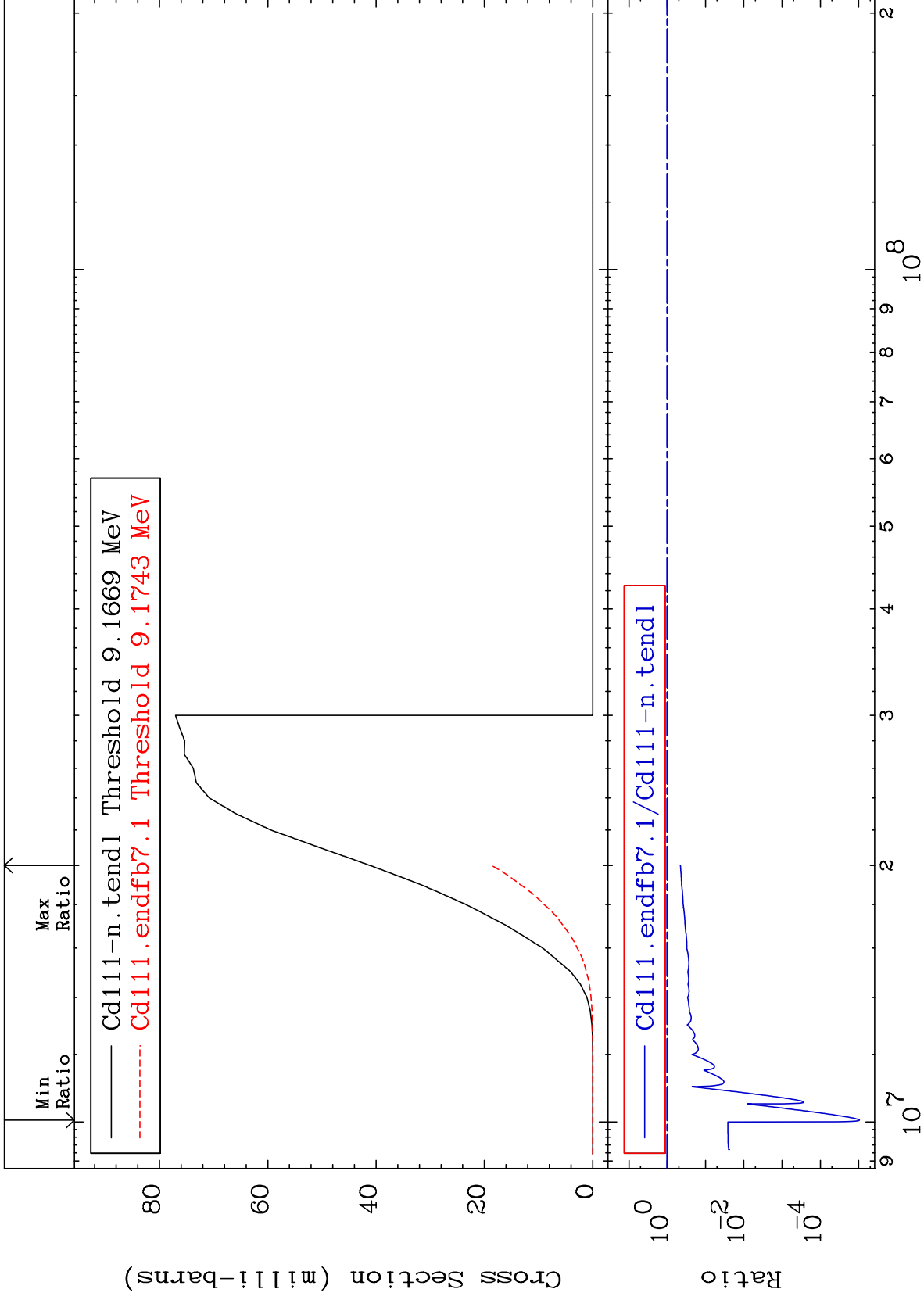
48-Cd-111  
-96.16 To 9999. %



MAT 4840

(n,n') p  
Cross Section

48-Cd-111  
-100.0 To -54.60%



7

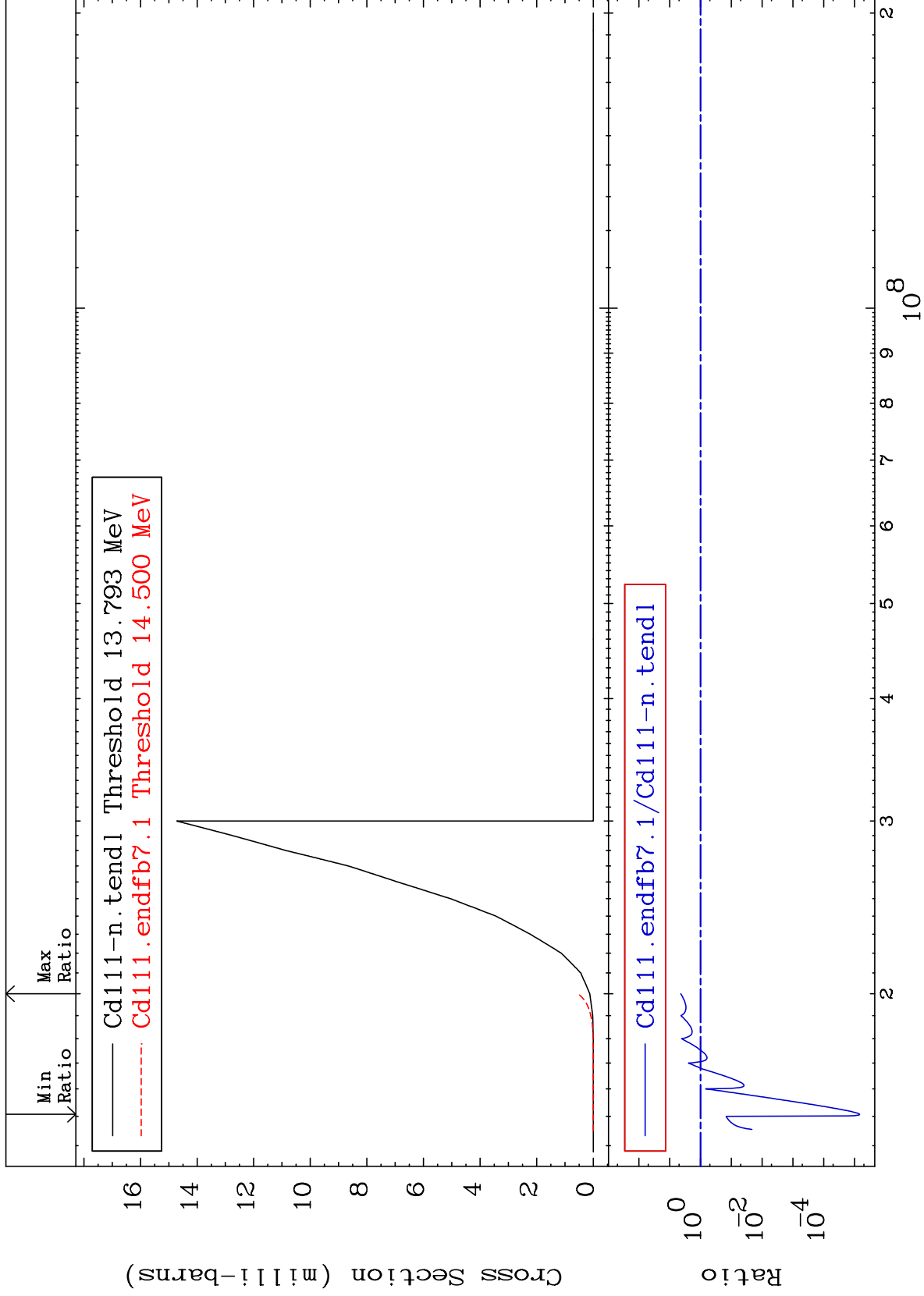
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,n') d  
Cross Section

48-Cd-111  
-100.0 To 338.5 %





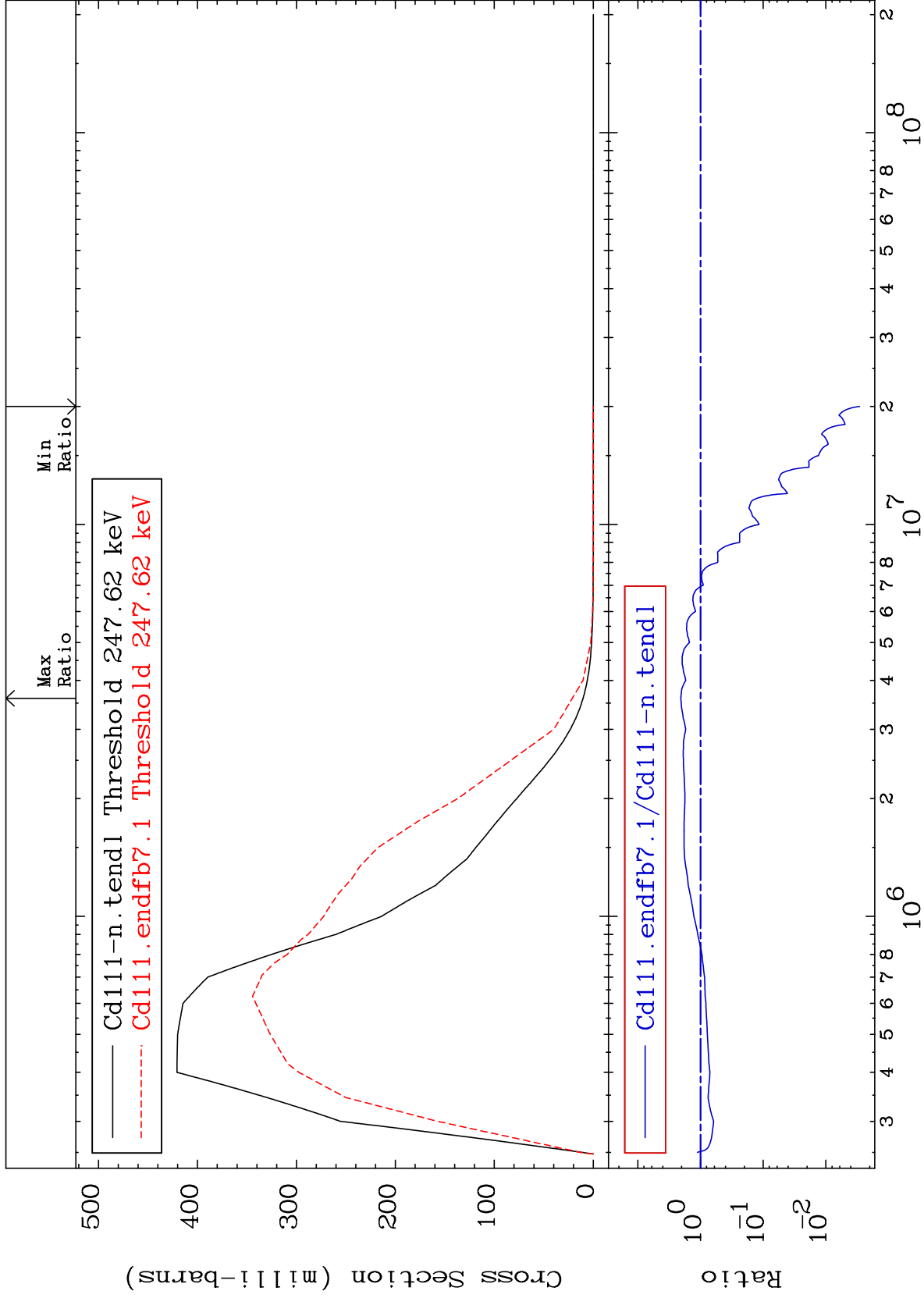
MAT 4840

245.4 keV (n,n') Level

48-Cd-111

-99.71 To 106.5 %

Cross Section



9

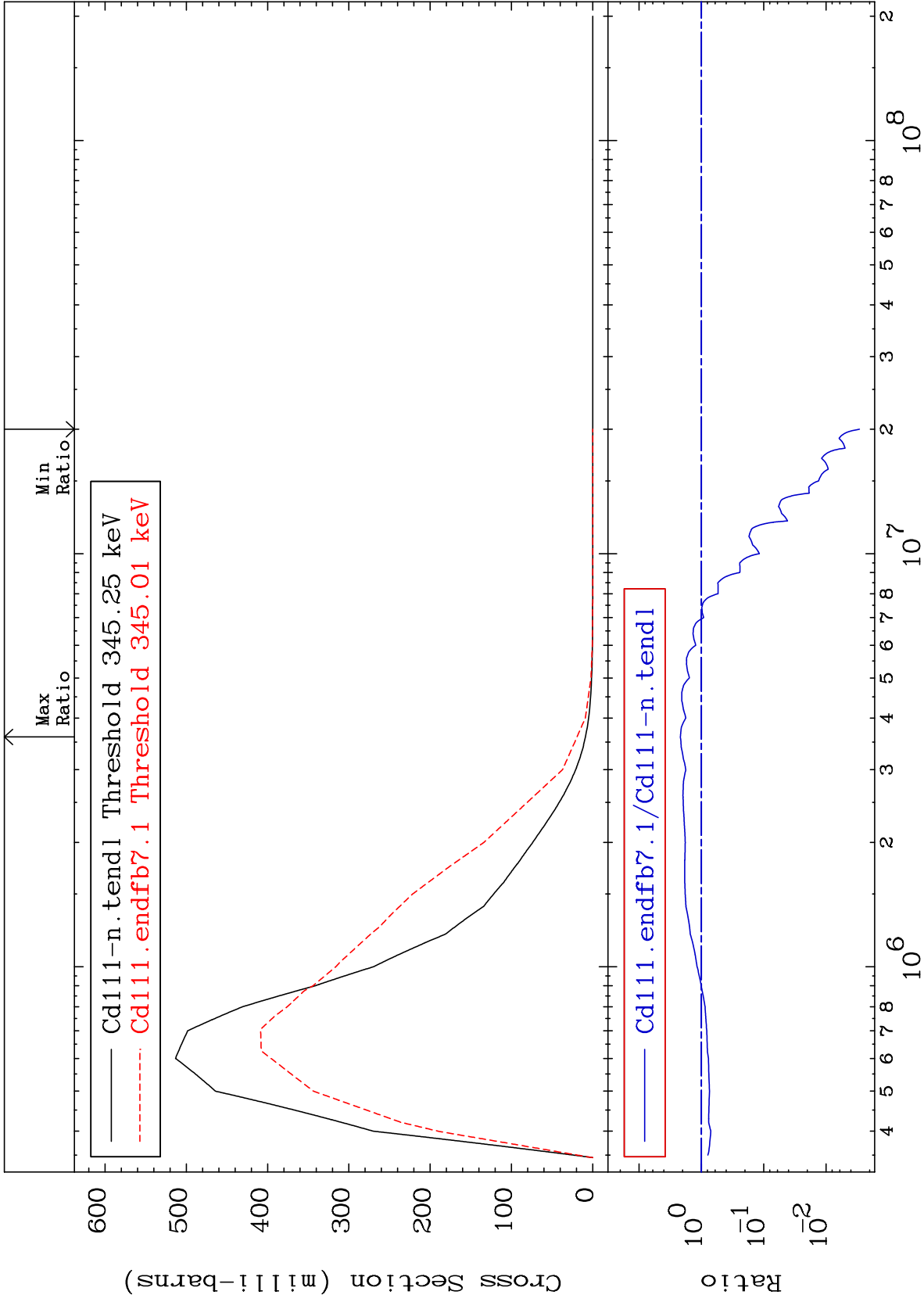
Incident Energy (eV)

48-Cd-111

MAT 4840

342.1 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.71 To 117.3 %



10

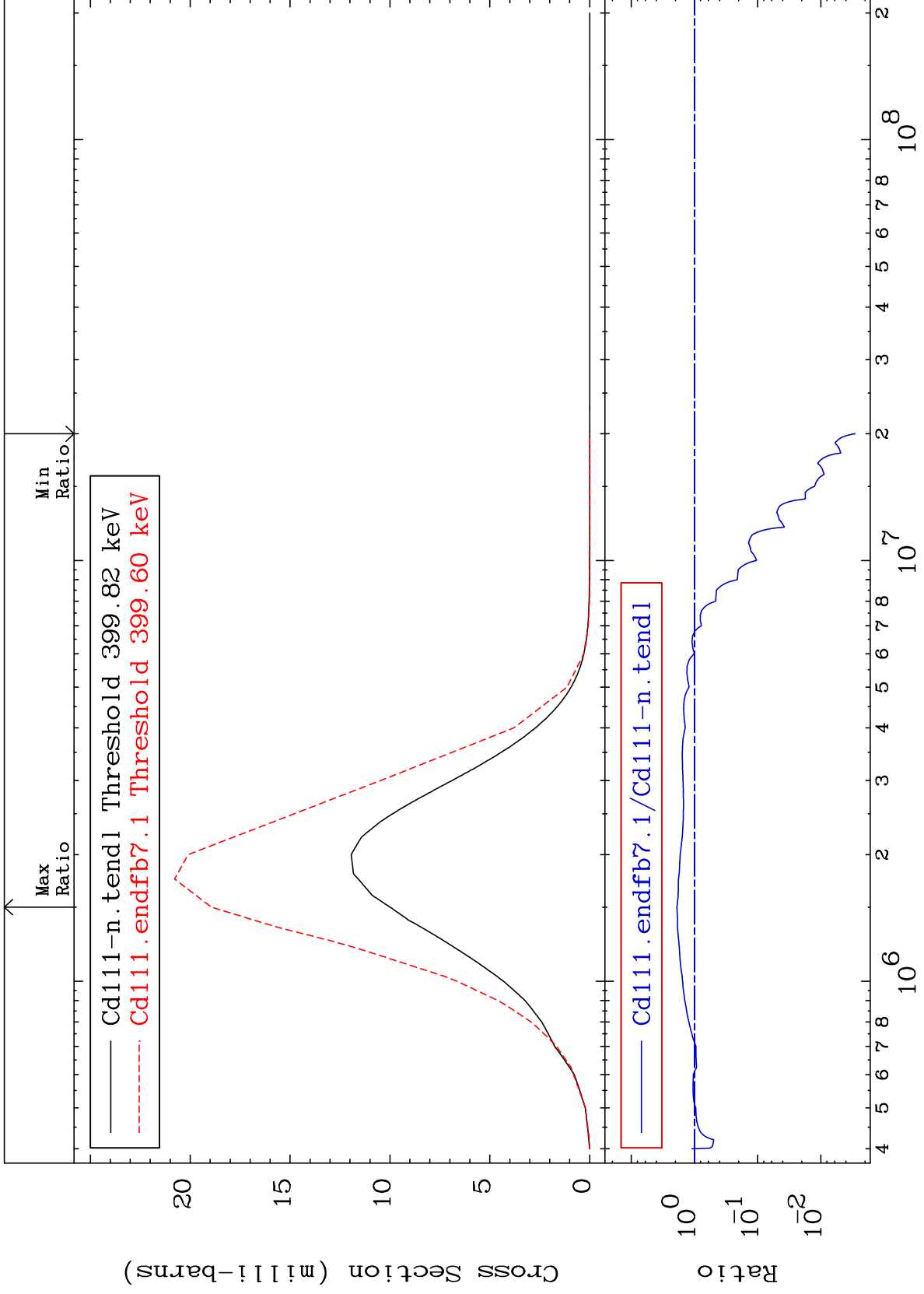
Incident Energy (eV)

48-Cd-111

MAT 4840

396.2 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.71 To 89.48 %



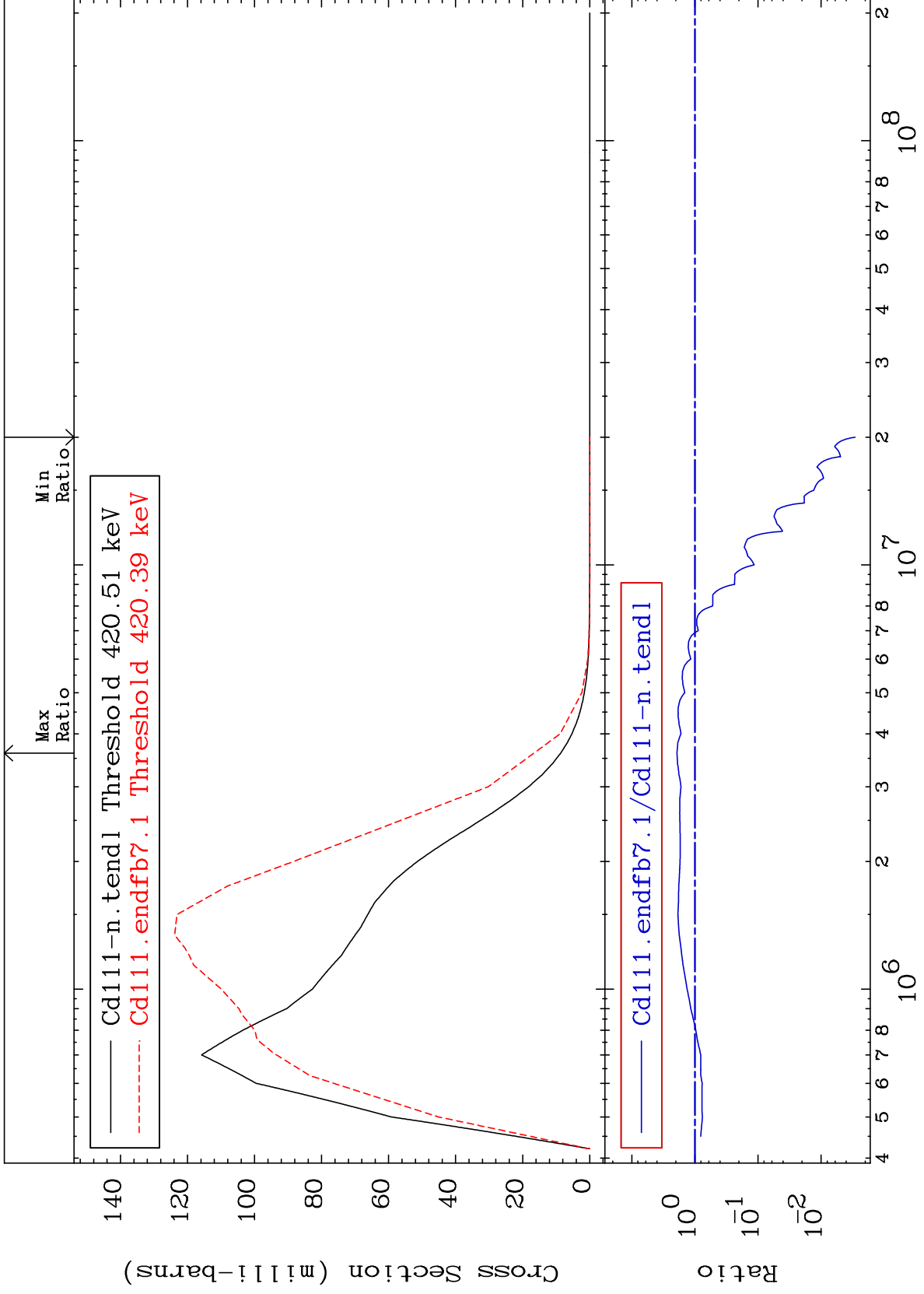
11

48-Cd-111

MAT 4840

416.7 keV (n,n') Level  
Cross Section

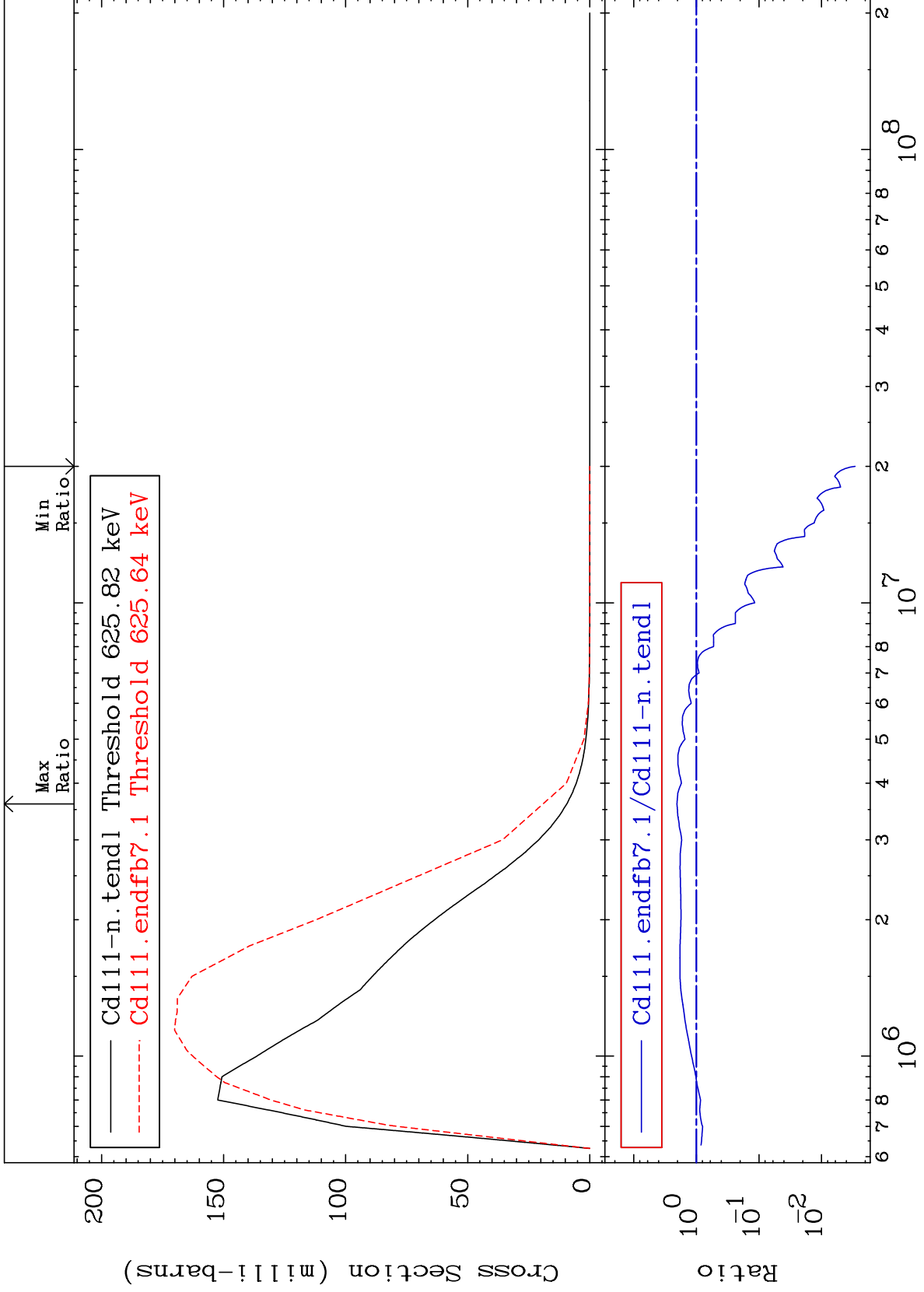
48-Cd-111  
-99.71 To 92.57 %



MAT 4840

620.2 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.71 To 104.2 %



13

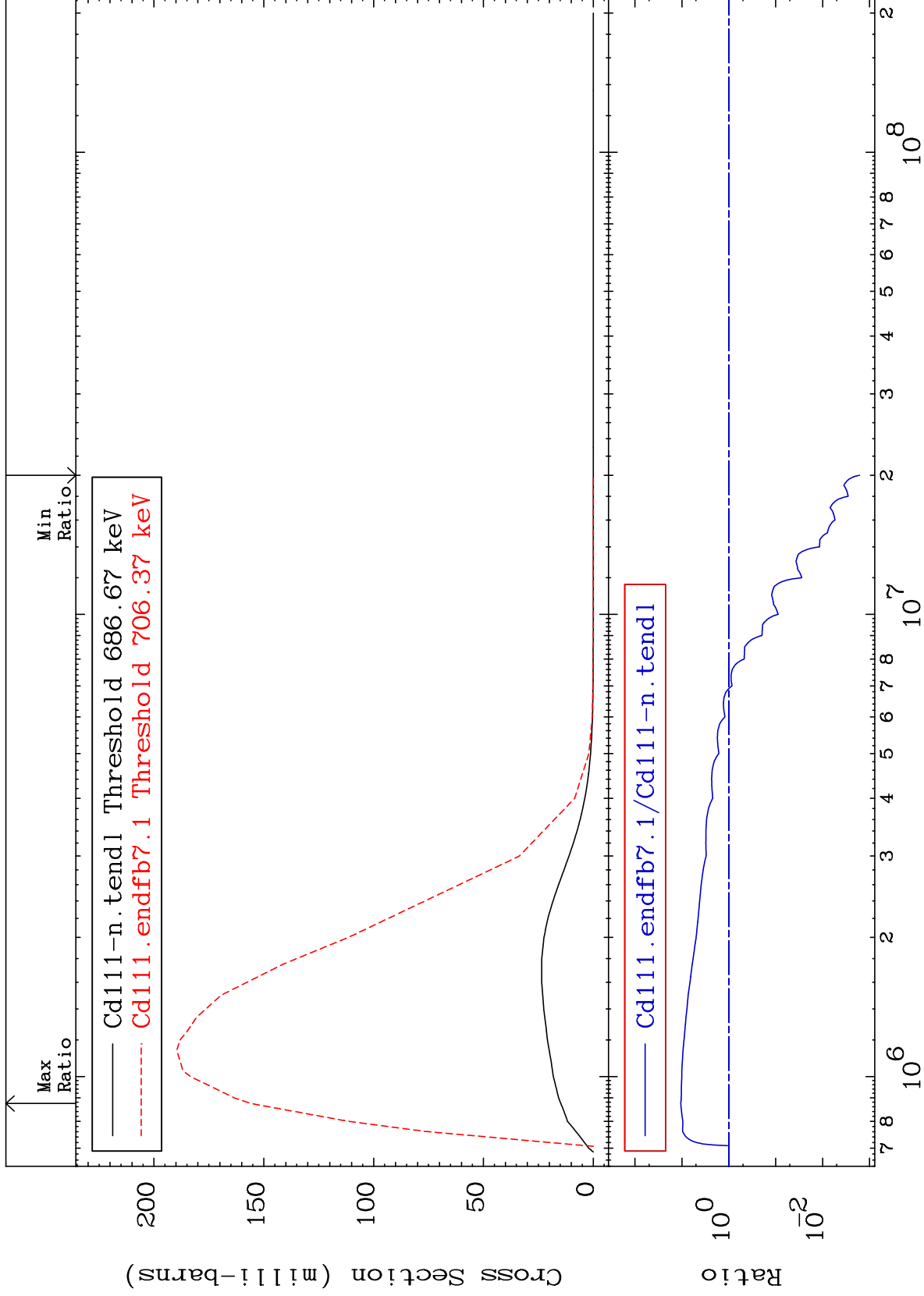
Incident Energy (eV)

48-Cd-111

MAT 4840

680.5 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.84 To 956.5 %



14

48-Cd-111

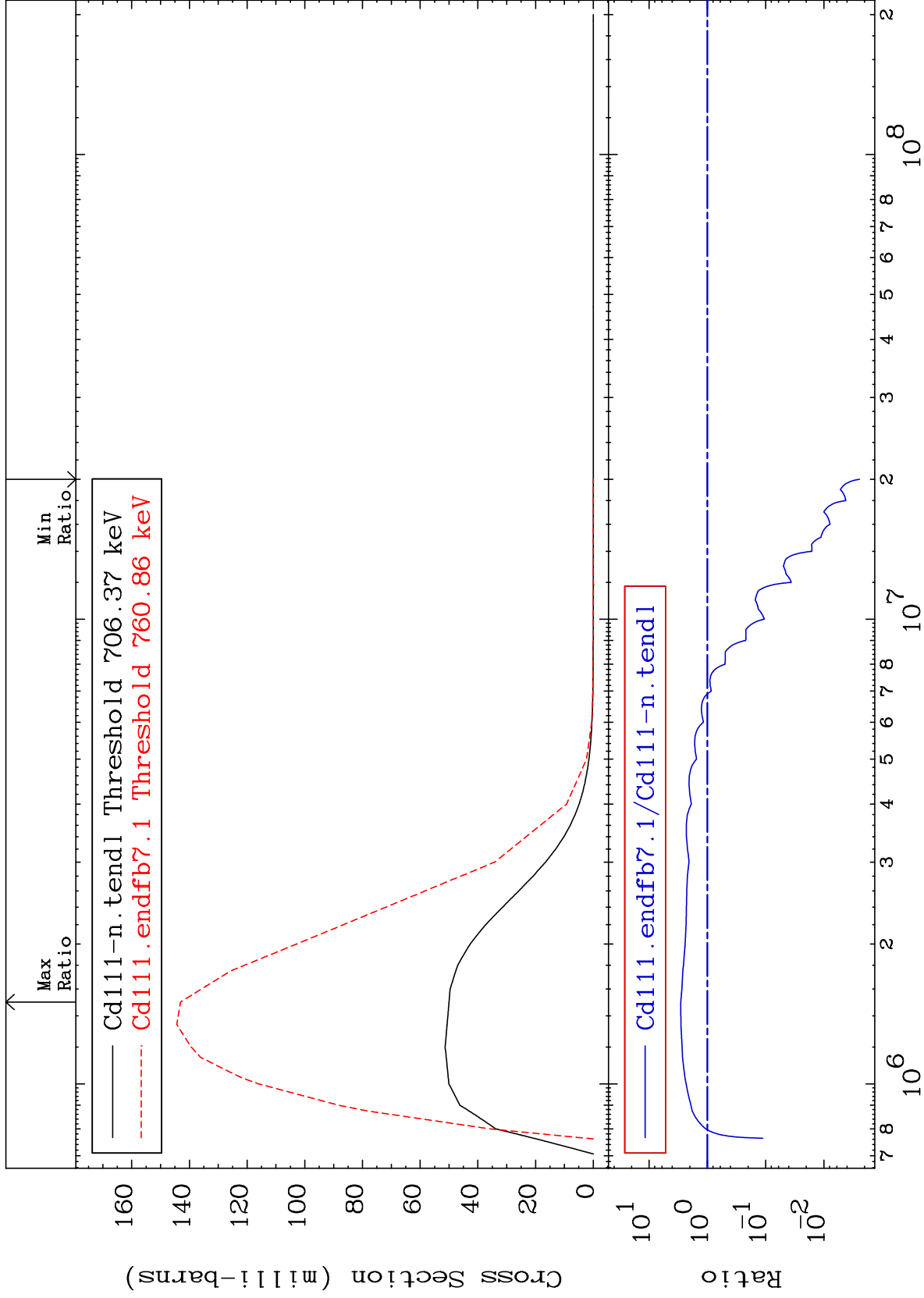
MAT 4840

700.0 keV (n,n') Level

48-Cd-111

-99.76 To 186.1 %

Cross Section



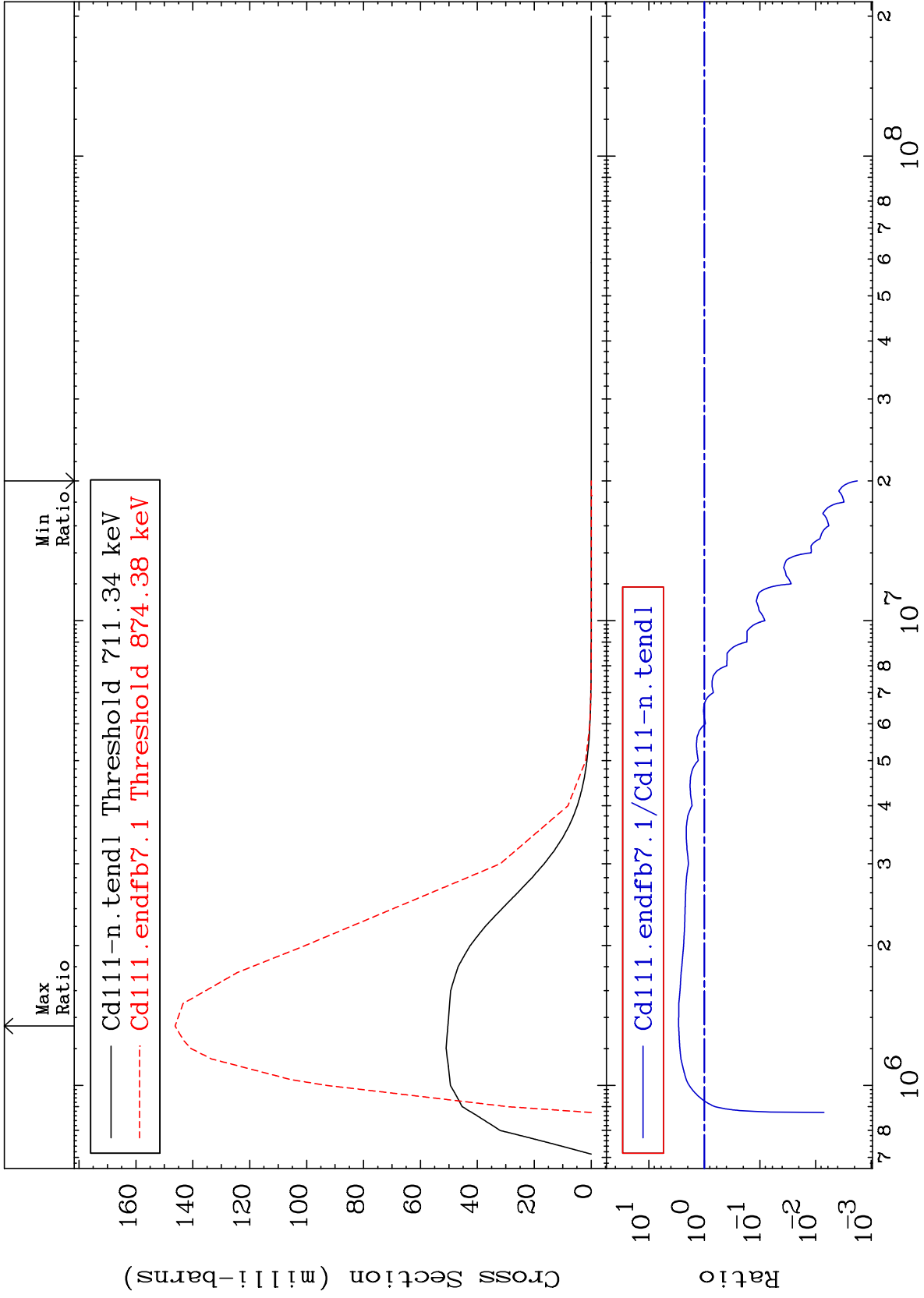
15

48-Cd-111

MAT 4840

704.9 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.82 To 190.4 %



16

Incident Energy (eV)

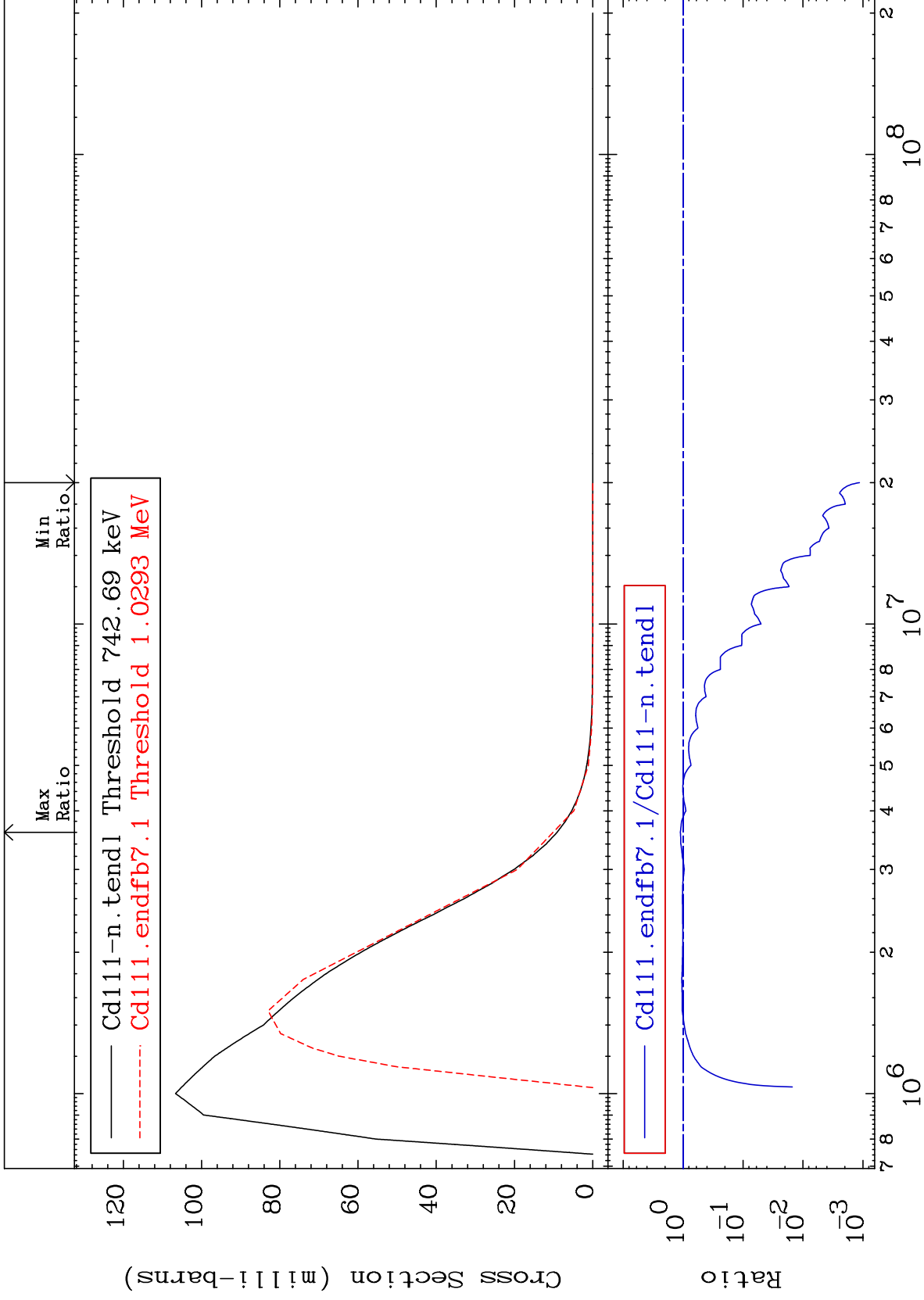
48-Cd-111



MAT 4840

736.0 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.89 To 11.26 %



17

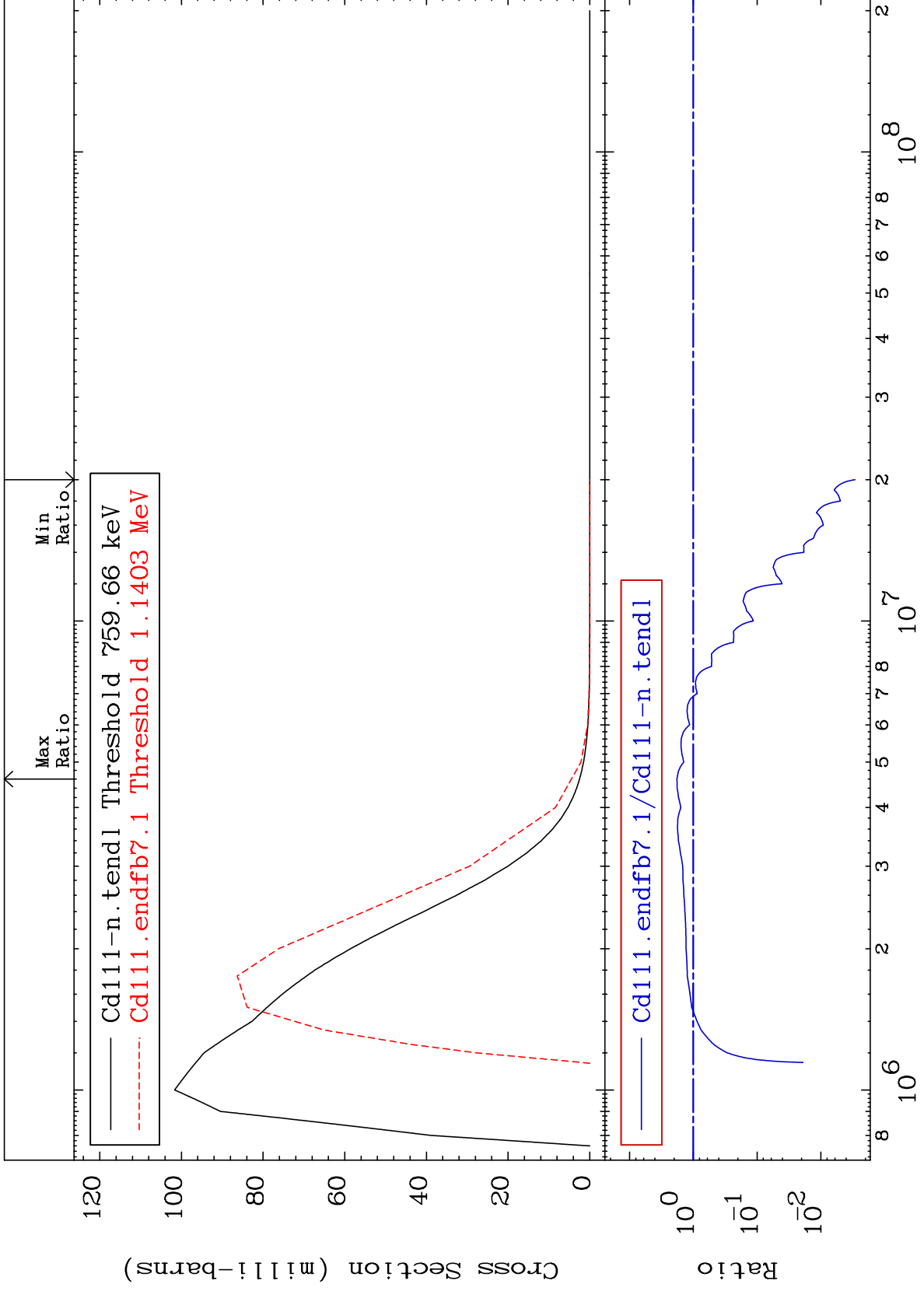
48-Cd-111

48-Cd-111

MAT 4840

752.8 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.71 To 80.92 %



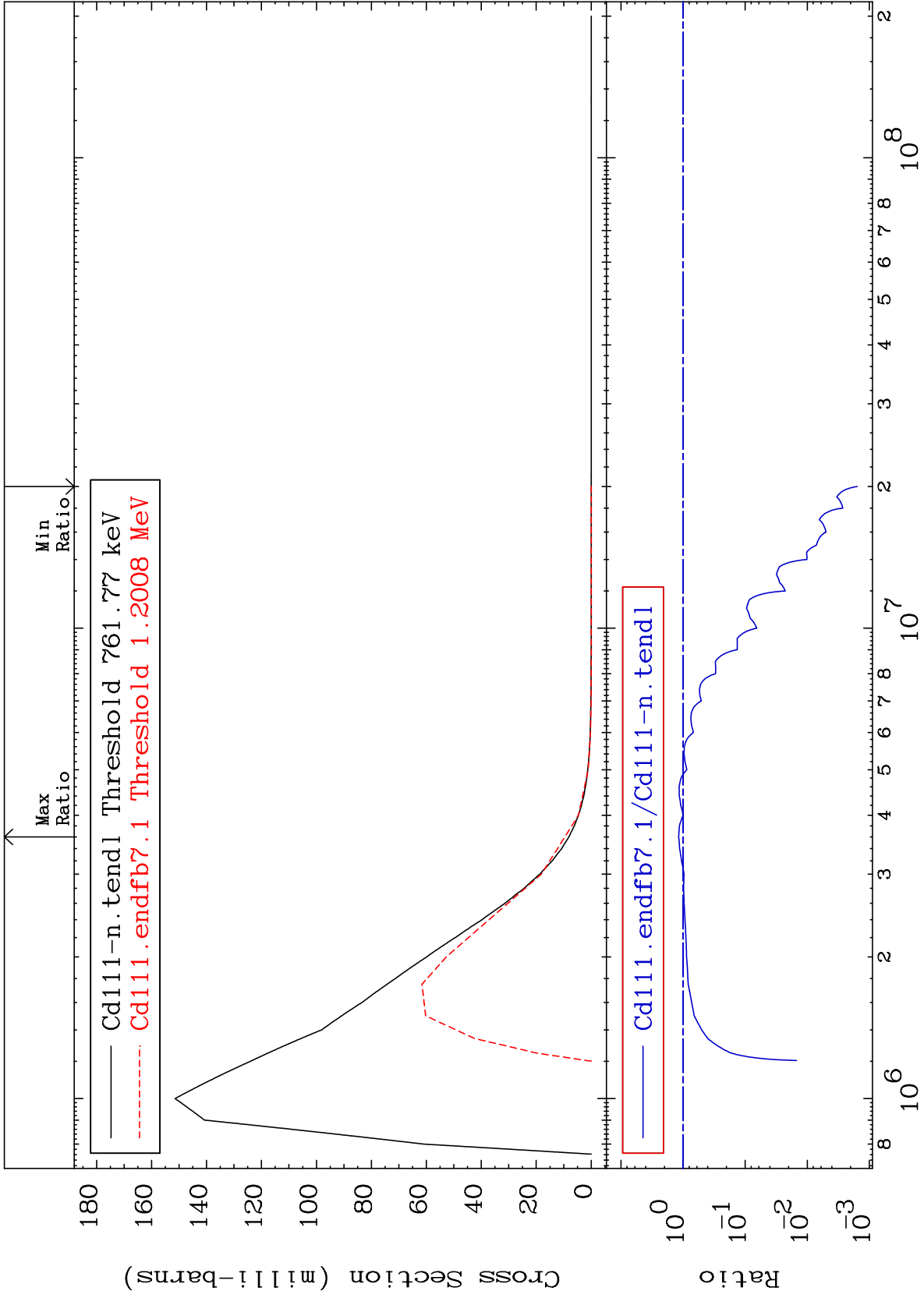
18

48-Cd-111

MAT 4840

754.9 keV (n,n') Level  
Cross Section

48-Cd-111  
-99.84 To 18.07 %



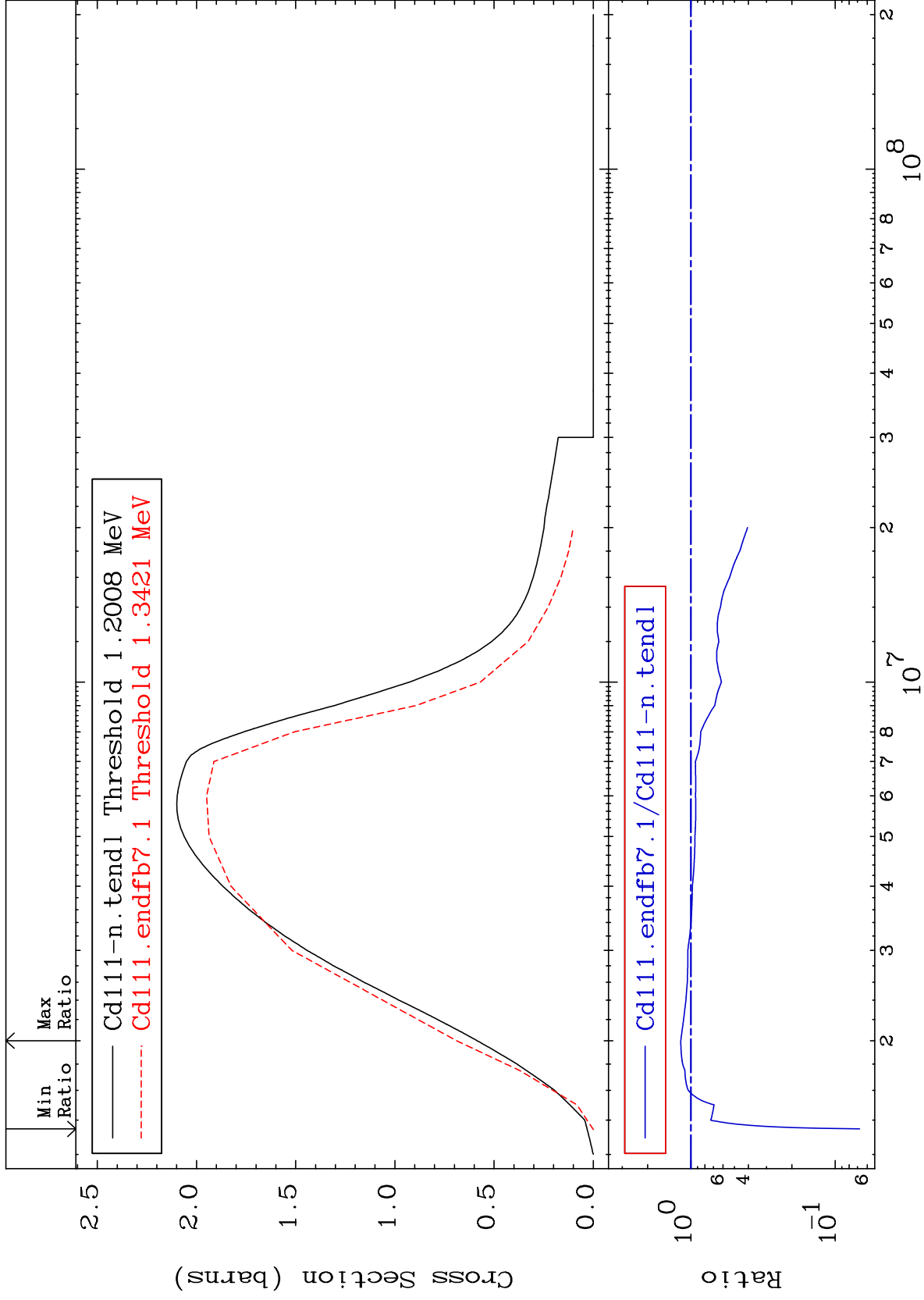
19

48-Cd-111

MAT 4840

(n, n') Continuum  
Cross Section

48-Cd-111  
-93.22 To 17.71 %



20

Incident Energy (eV)

48-Cd-111

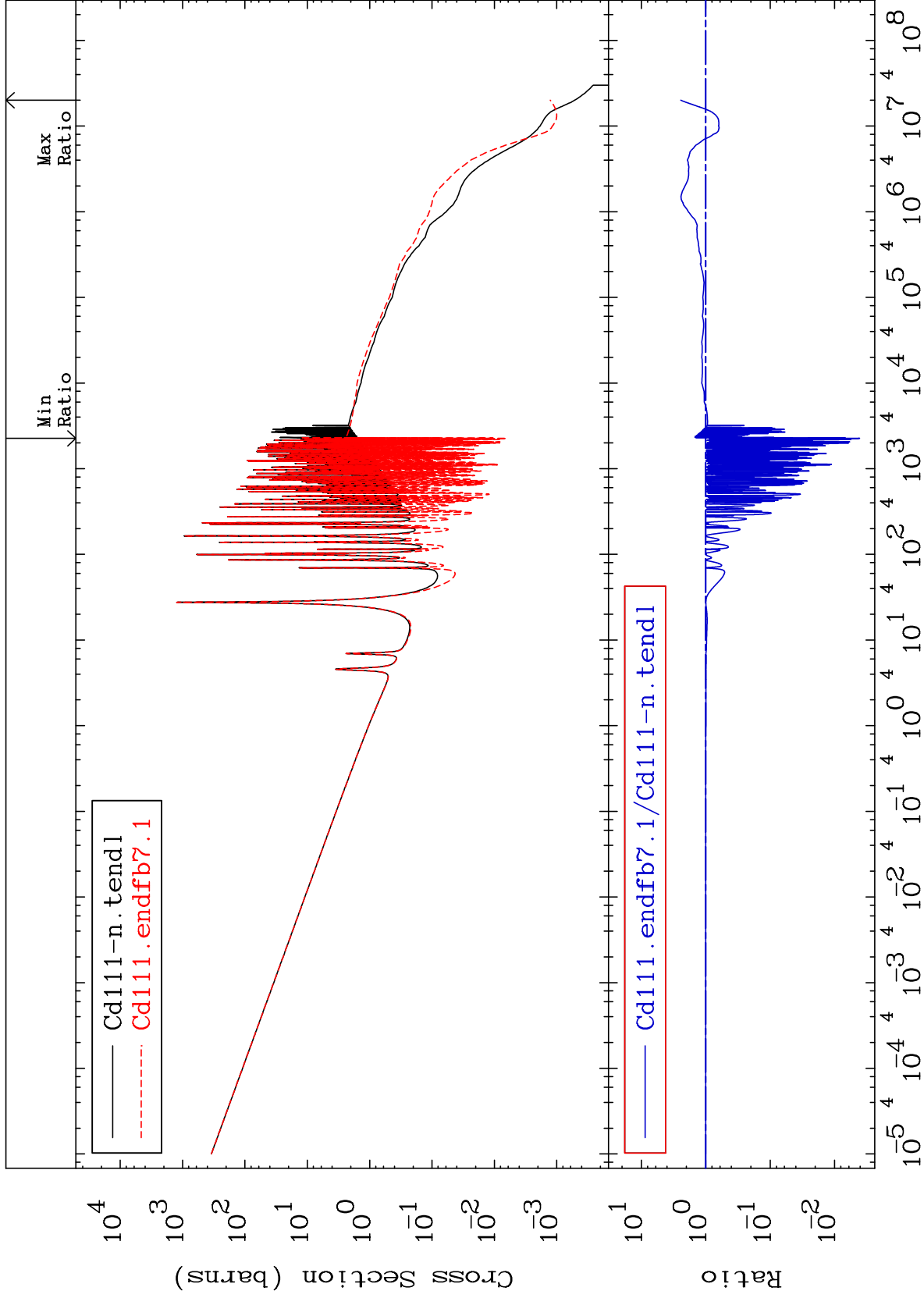
MAT 4840

(n,  $\gamma$ )

48-Cd-111

Cross Section

-99.59 To 144.5 %



21

Incident Energy (eV)

48-Cd-111

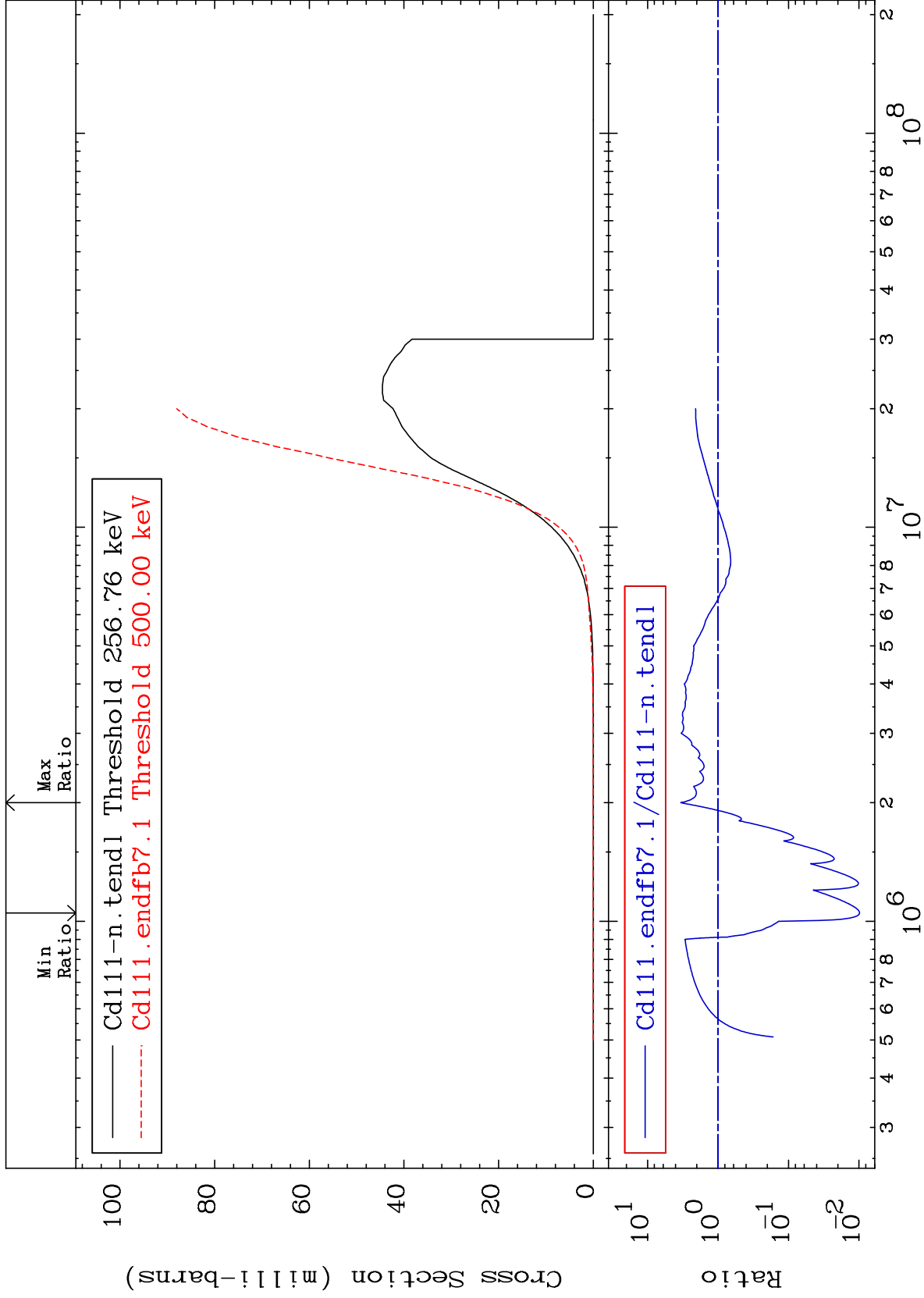
MAT 4840

(n,p)

48-Cd-111

Cross Section

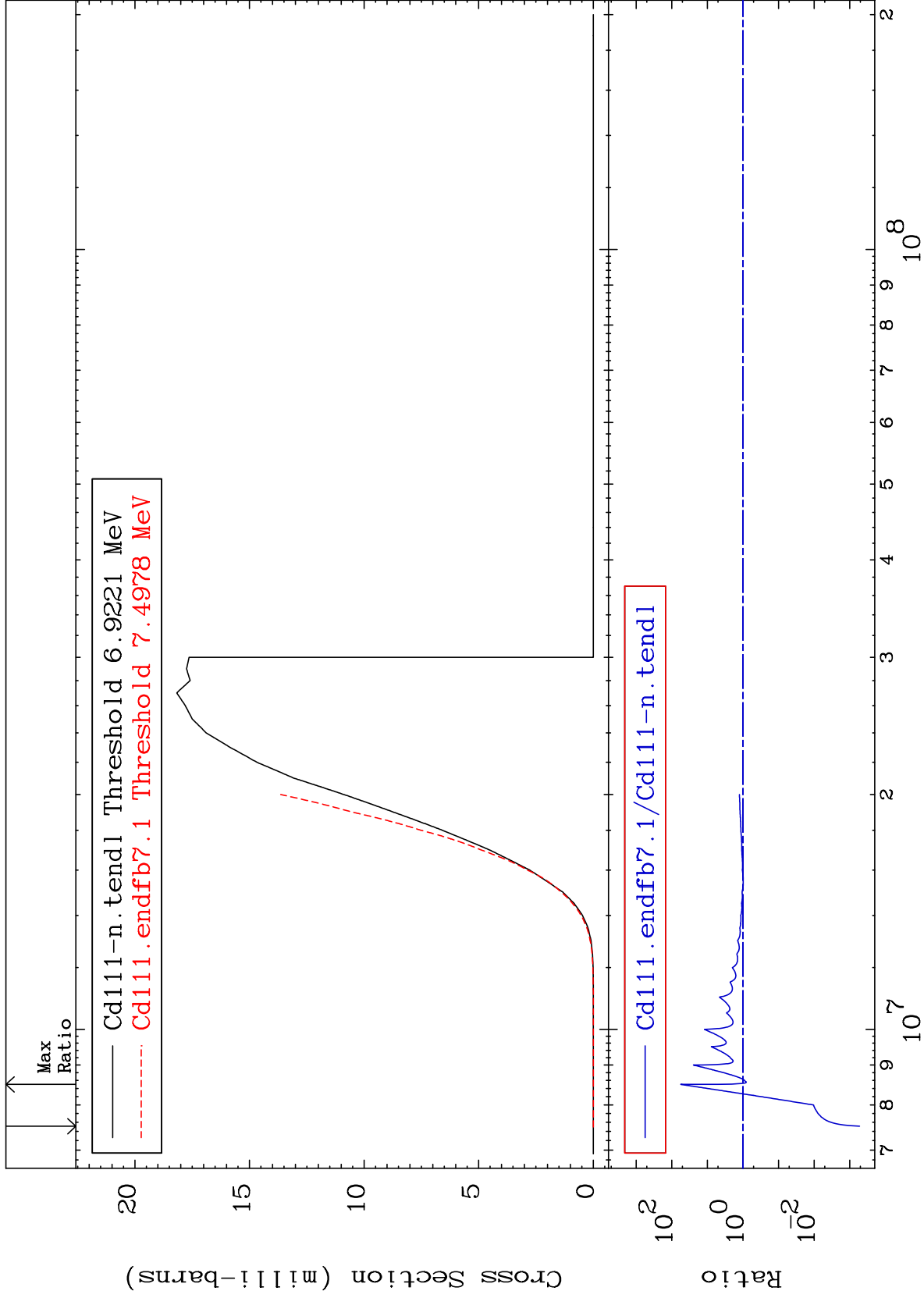
-99.02 To 237.7 %



MAT 4840

(n, d)  
Cross Section

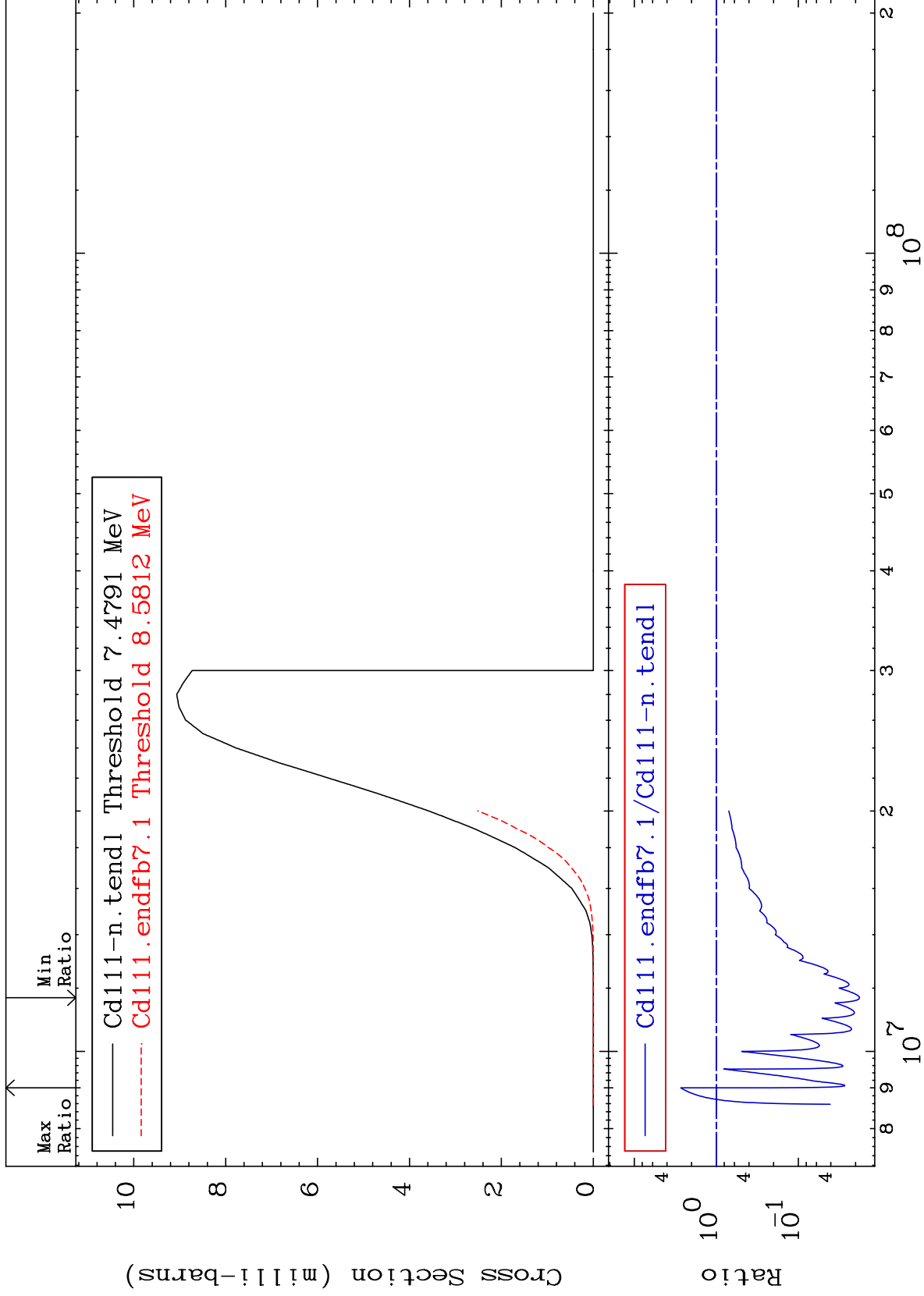
48-Cd-111  
-99.95 To 5460. %



MAT 4840

(n, t)  
Cross Section

48-Cd-111  
-98.21 To 171.5 %



24

Incident Energy (eV)

48-Cd-111



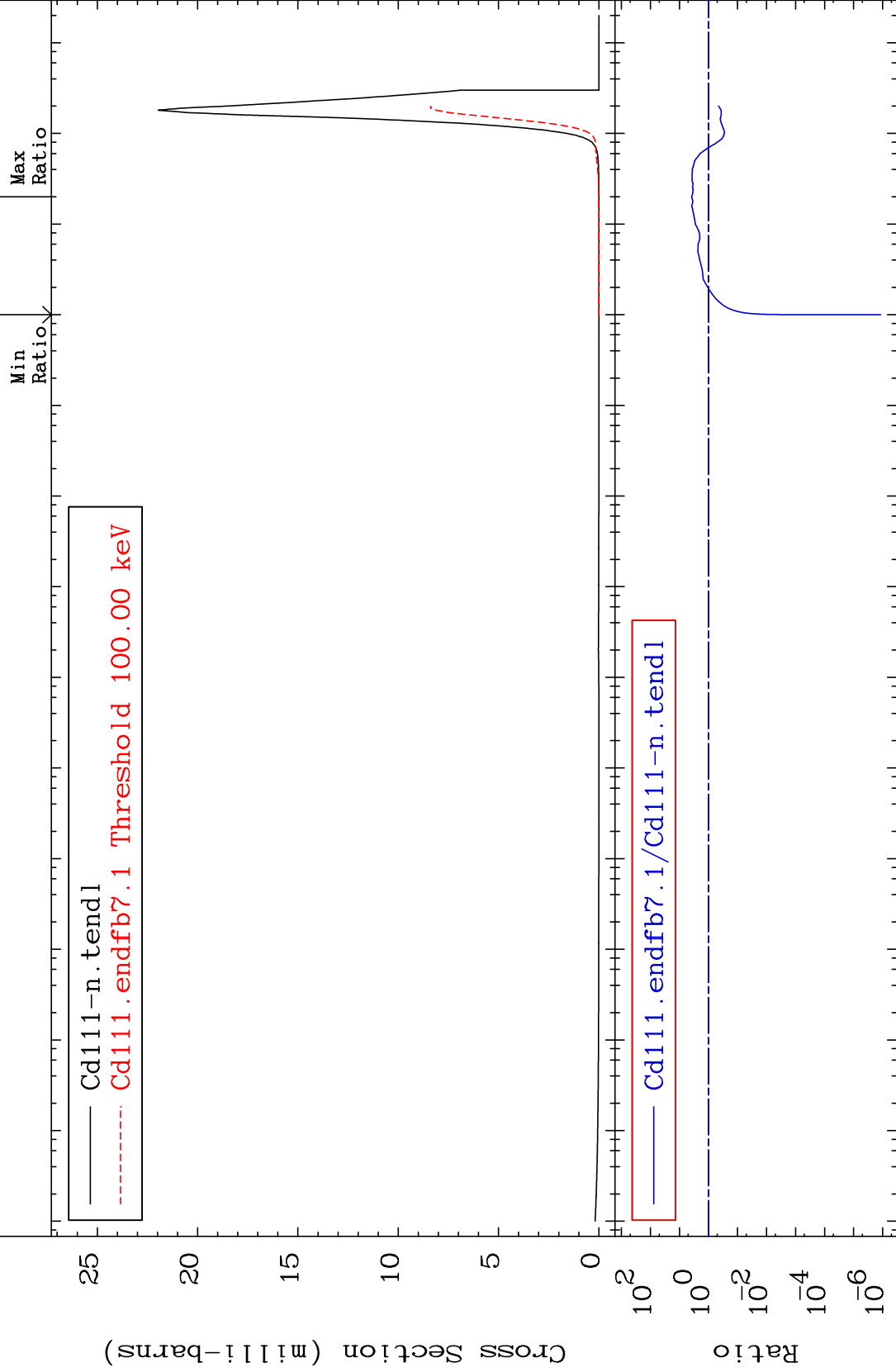
MAT 4840

(n,  $\alpha$ )

48-Cd-111

Cross Section

-100.0 To 285.4 %



25

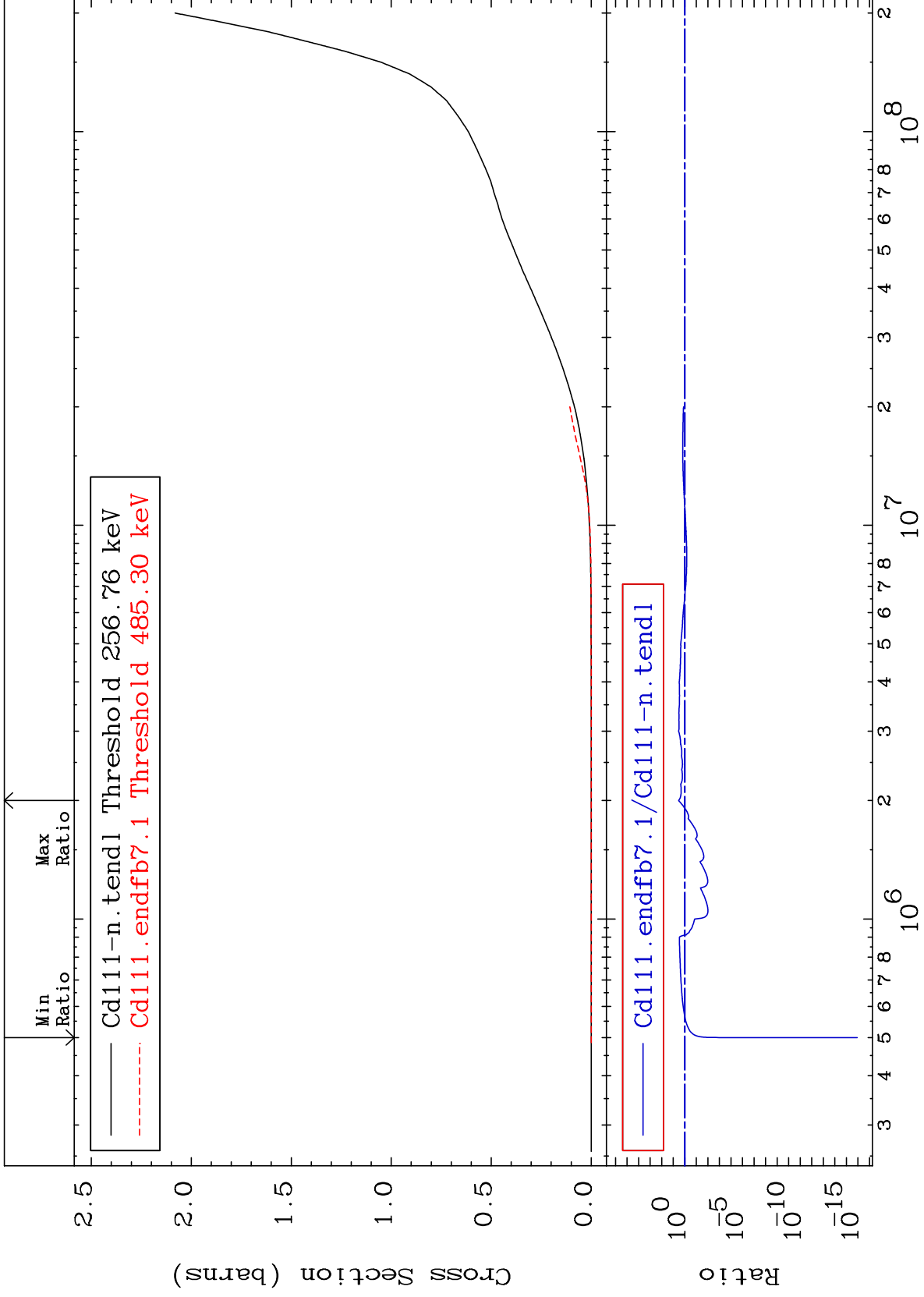
Incident Energy (eV)

48-Cd-111

MAT 4840

Hydrogen Production  
Cross Section

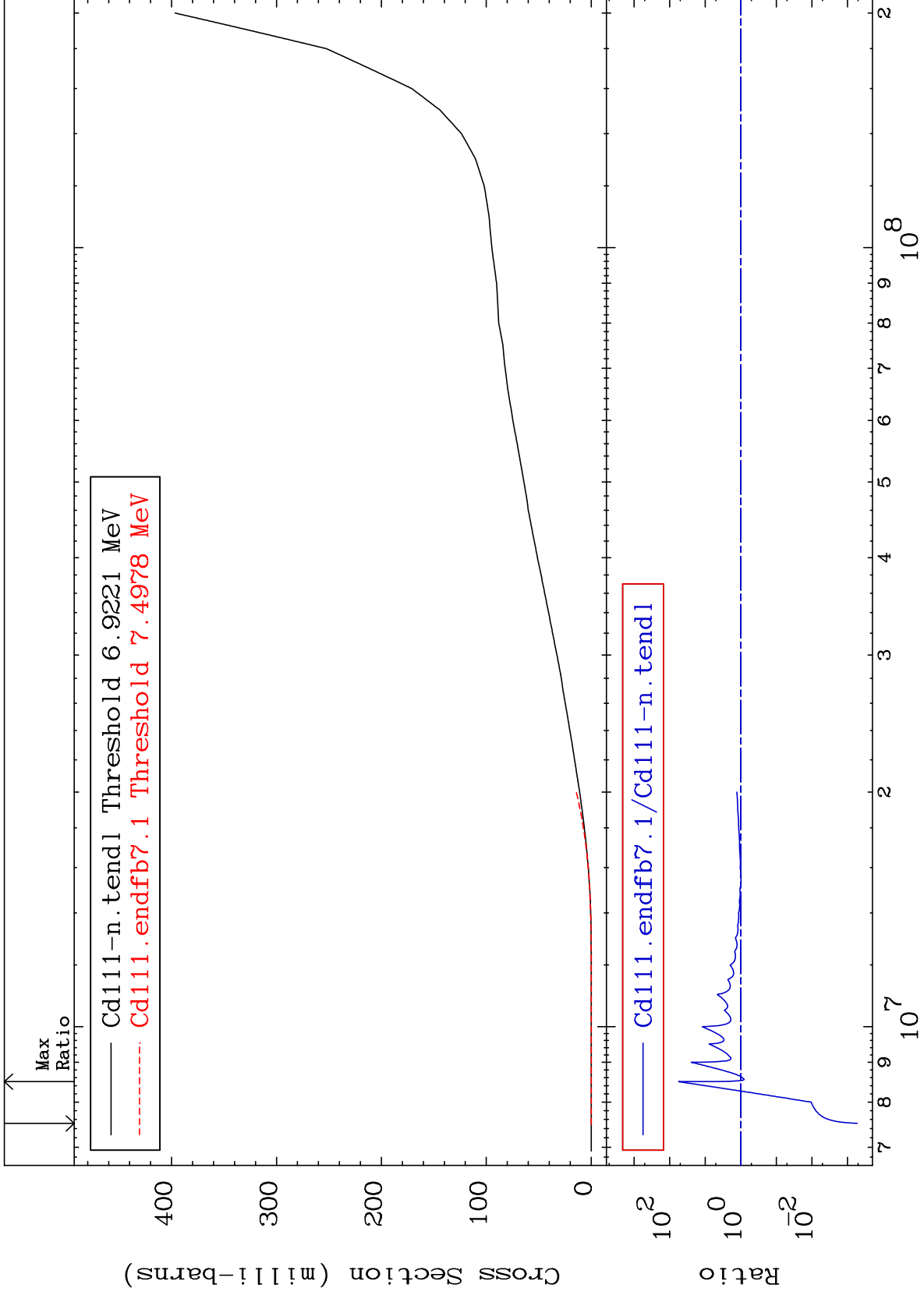
48-Cd-111  
-100.0 To 237.7 %



MAT 4840

Deuterium Production  
Cross Section

48-Cd-111  
-99.95 To 5460. %



27

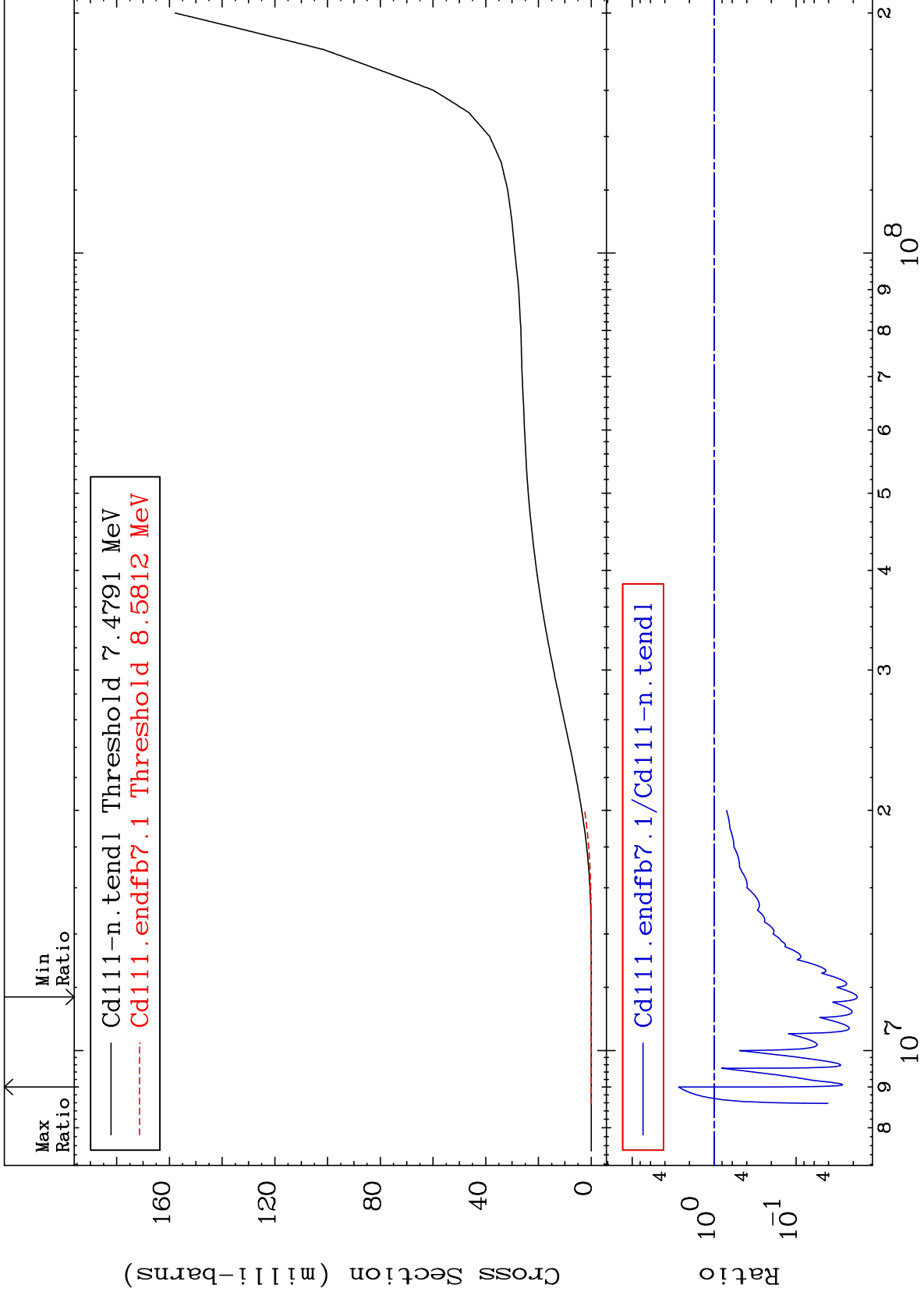
Incident Energy (eV)

48-Cd-111

MAT 4840

Tritium Production  
Cross Section

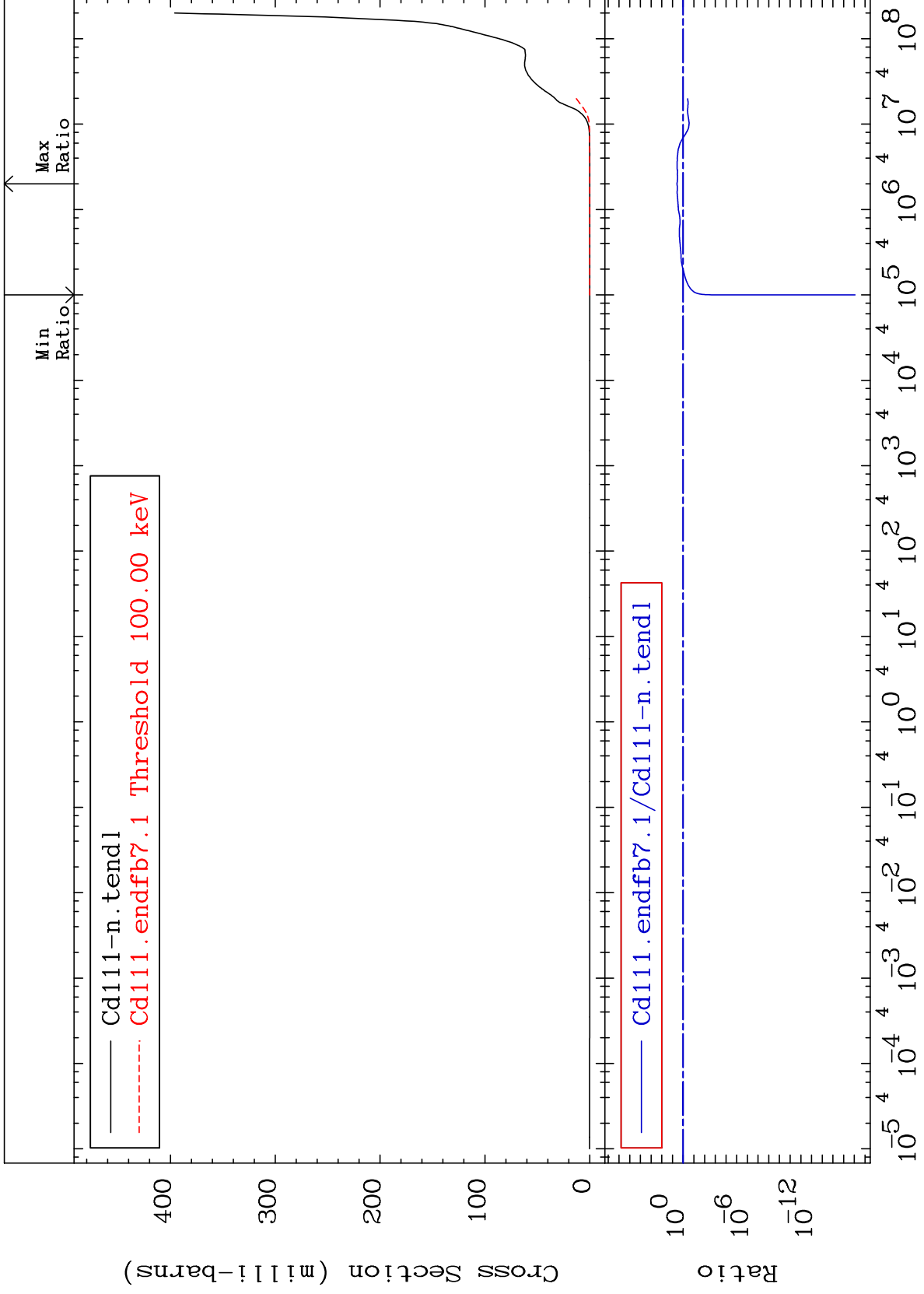
48-Cd-111  
-98.21 To 171.5 %



MAT 4840

He-4 Production  
Cross Section

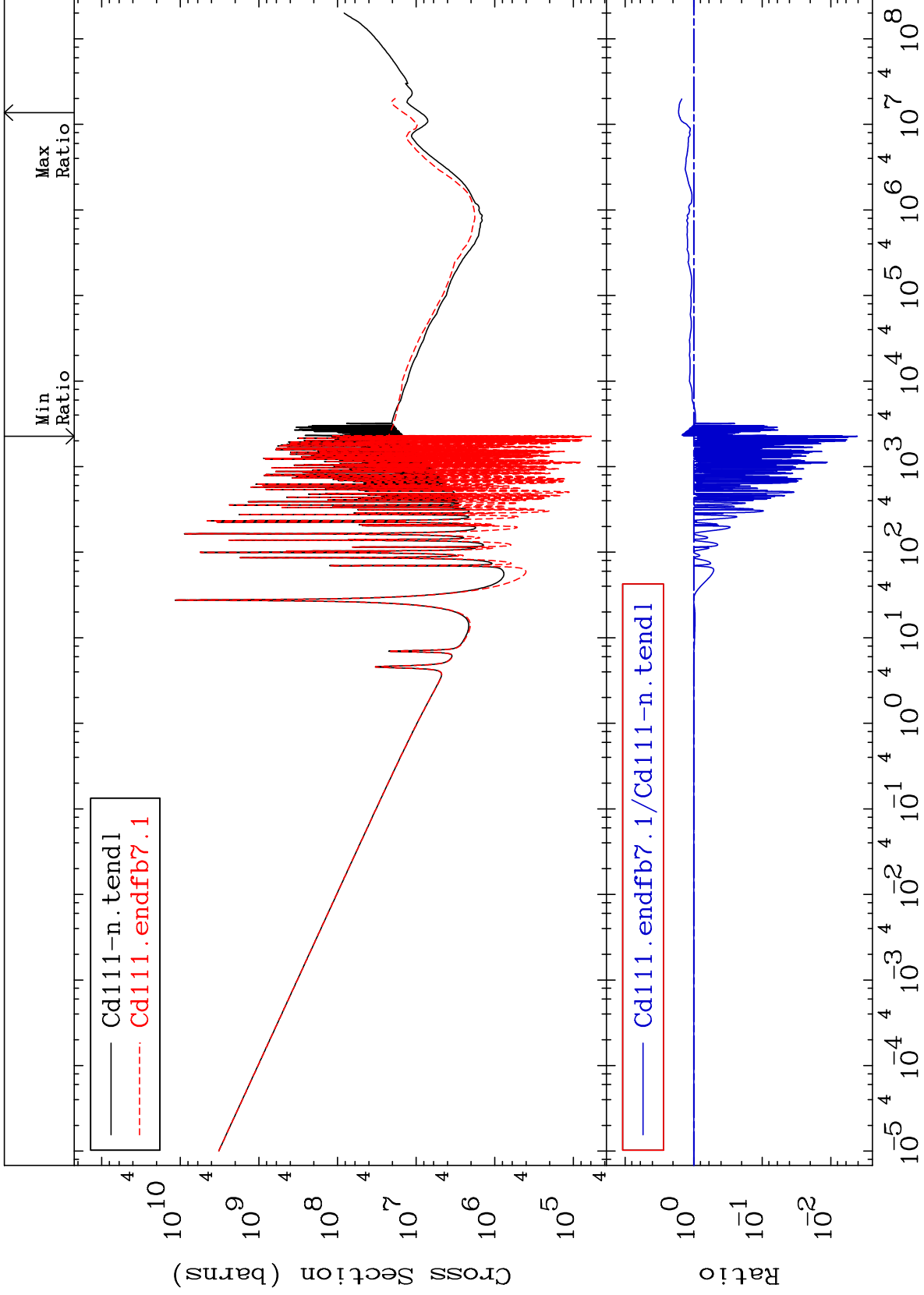
48-Cd-111  
-100.0 To 285.4 %



MAT 4840

Kerma total (eV-barns)  
Cross Section

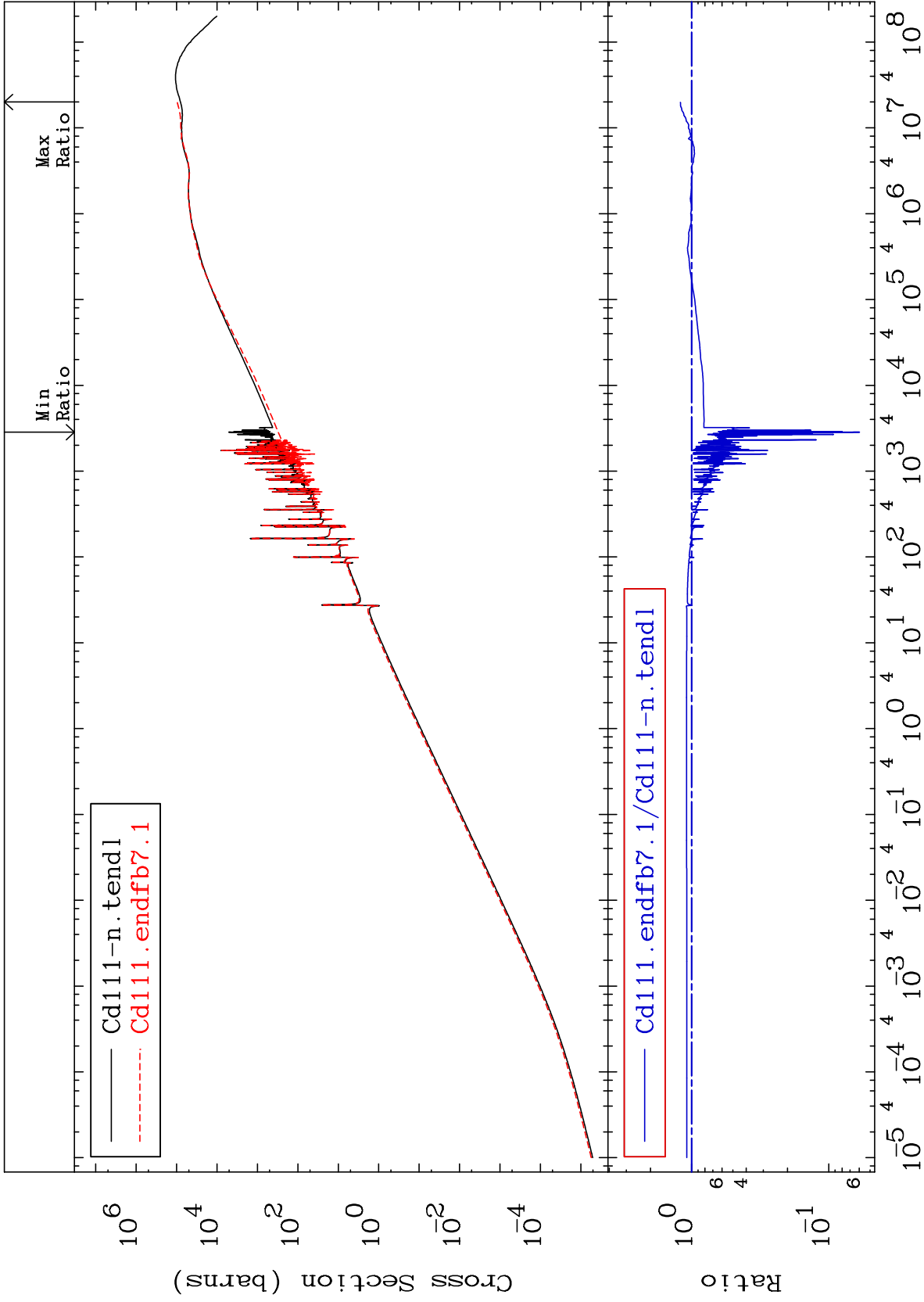
48-Cd-111  
-99.59 To 65.86 %



MAT 4840

Kerma elastic  
Cross Section

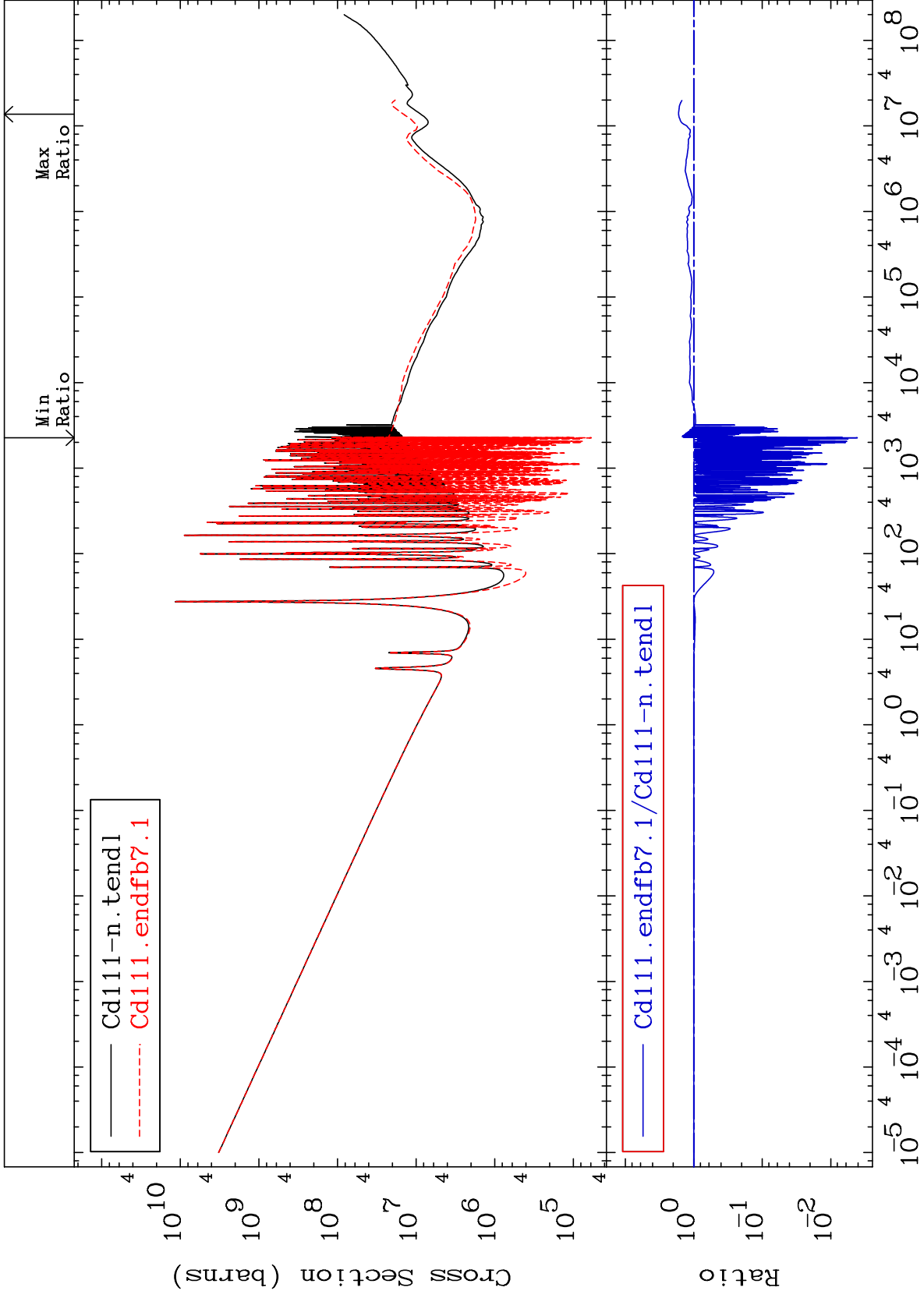
48-Cd-111  
-94.03 To 20.93 %



MAT 4840

Kerma non-elastic (all but mt2)  
Cross Section

48-Cd-111  
-99.59 To 66.30 %

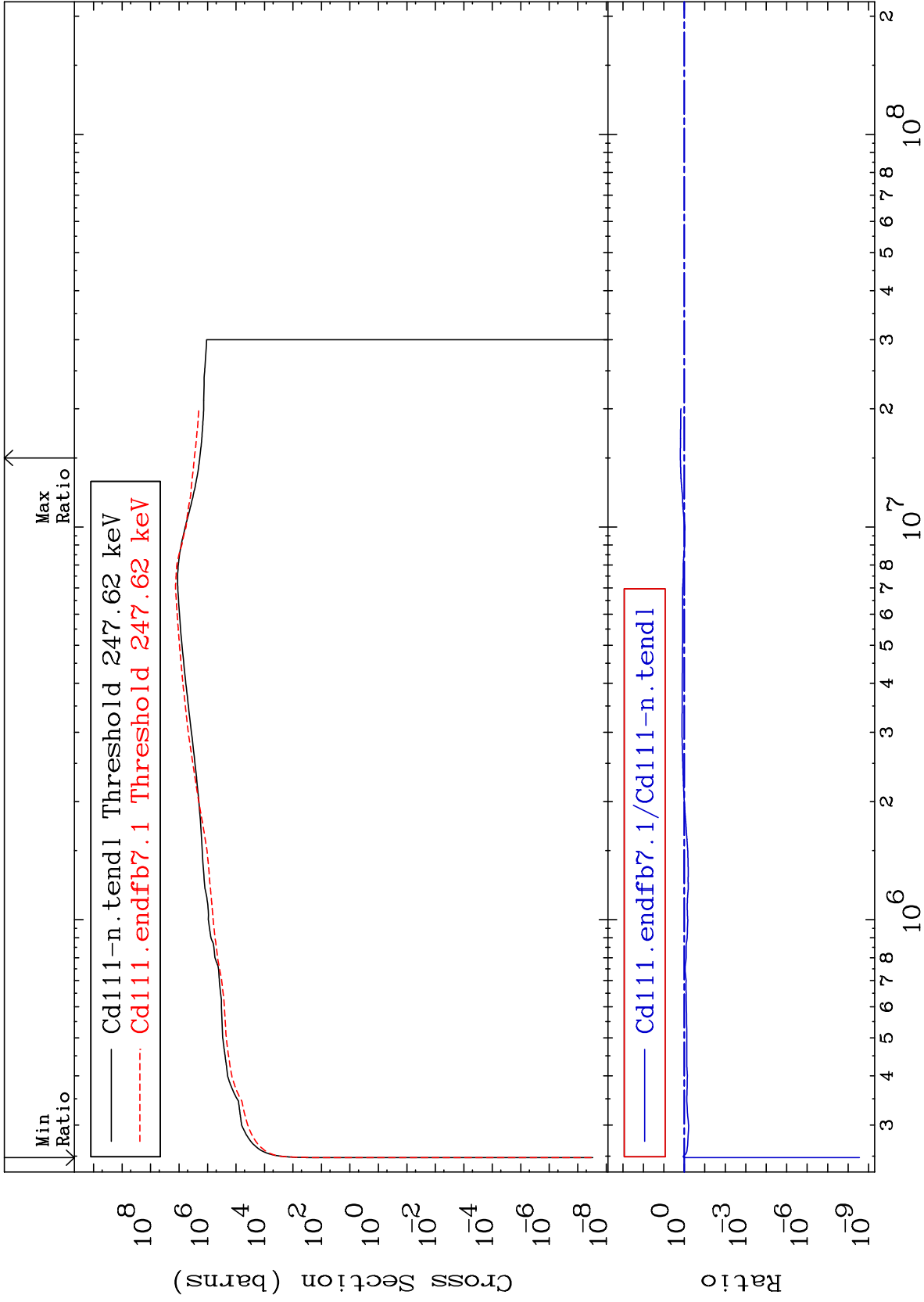




MAT 4840

Kerma inelastic (mt51-91)  
Cross Section

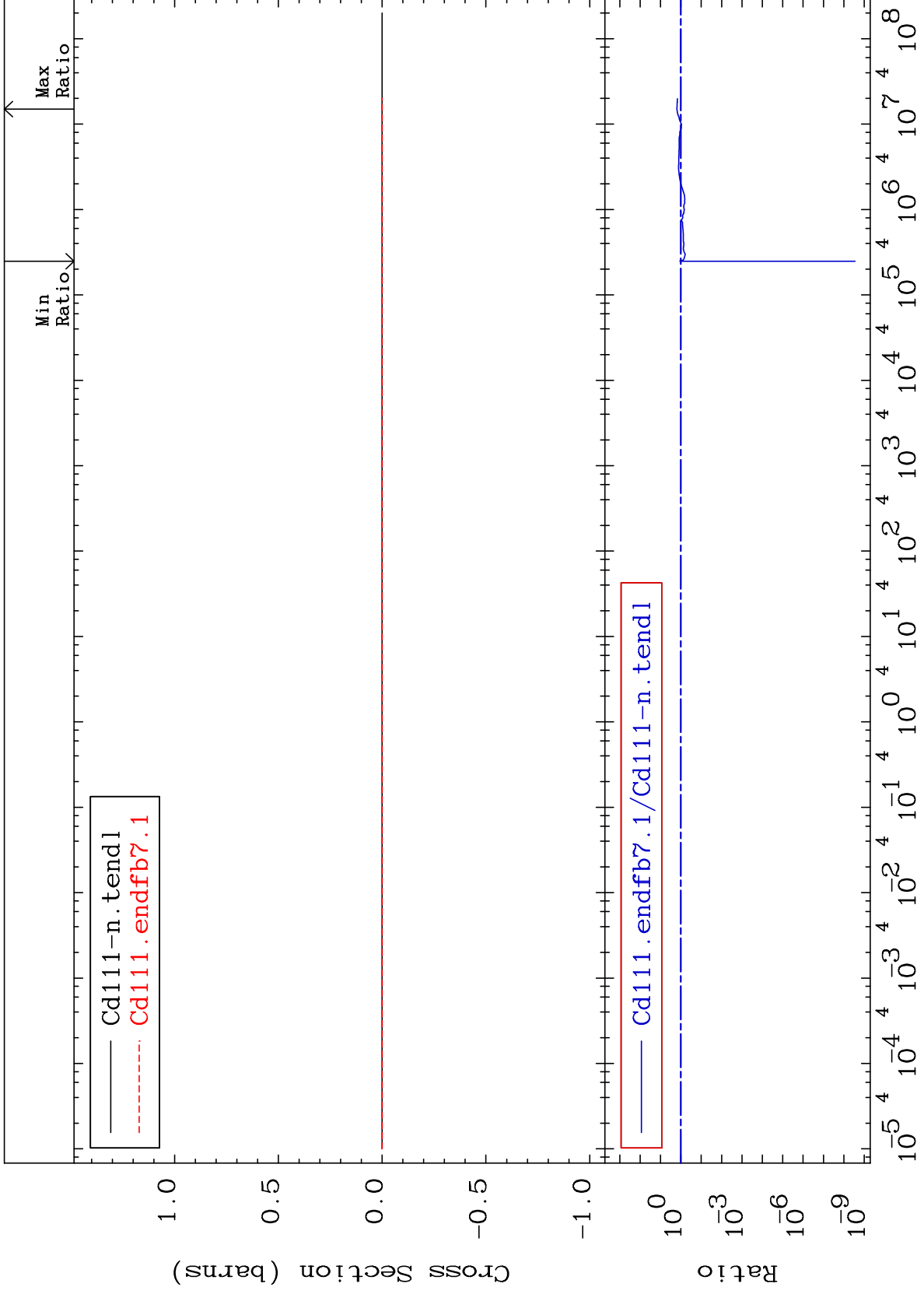
48-Cd-111  
-100.0 To 55.91 %



MAT 4840

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

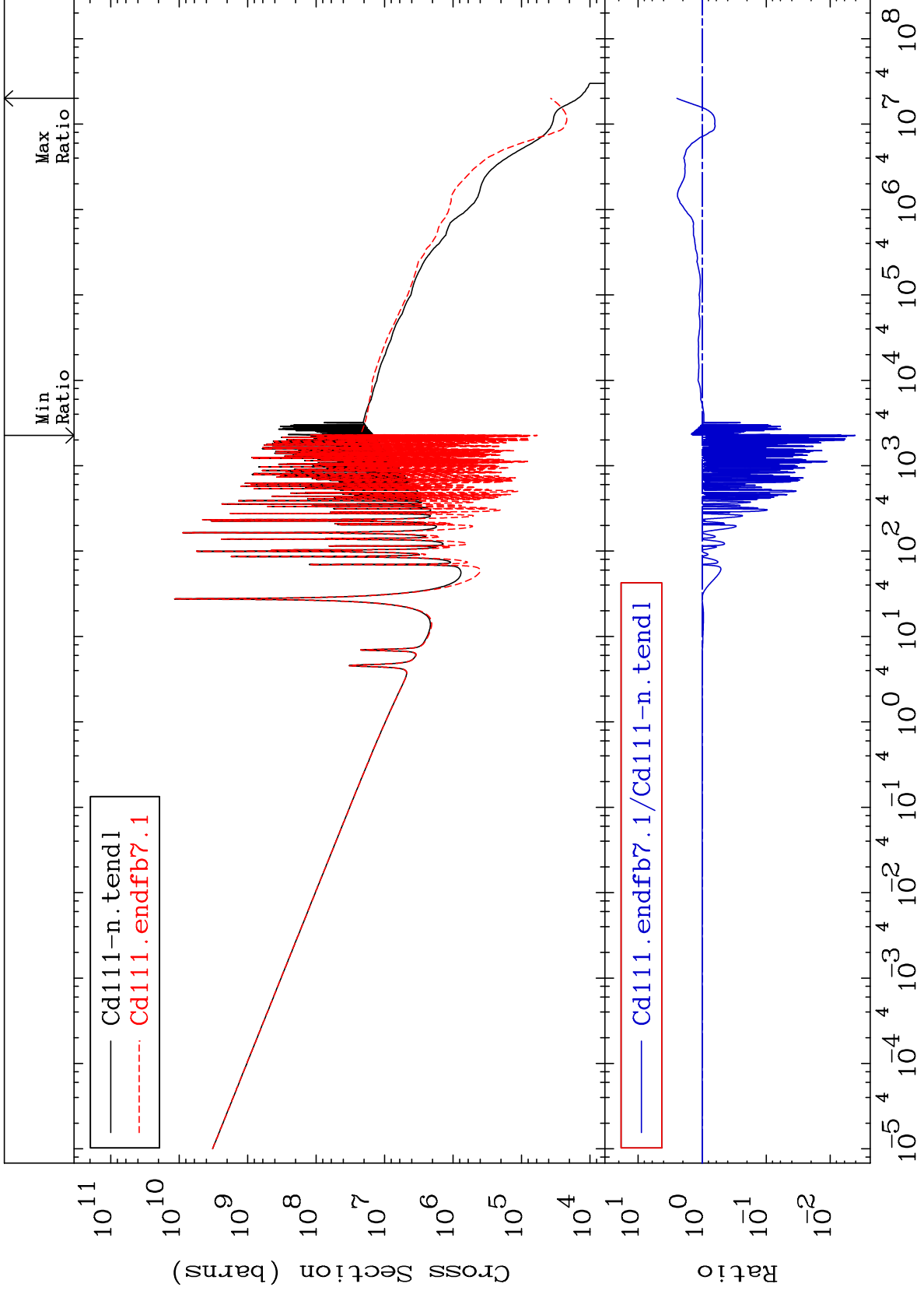
48-Cd-111  
-100.0 To 55.91 %



MAT 4840

Kerma capture (mt102)  
Cross Section

48-Cd-111  
-99.59 To 147.5 %



35

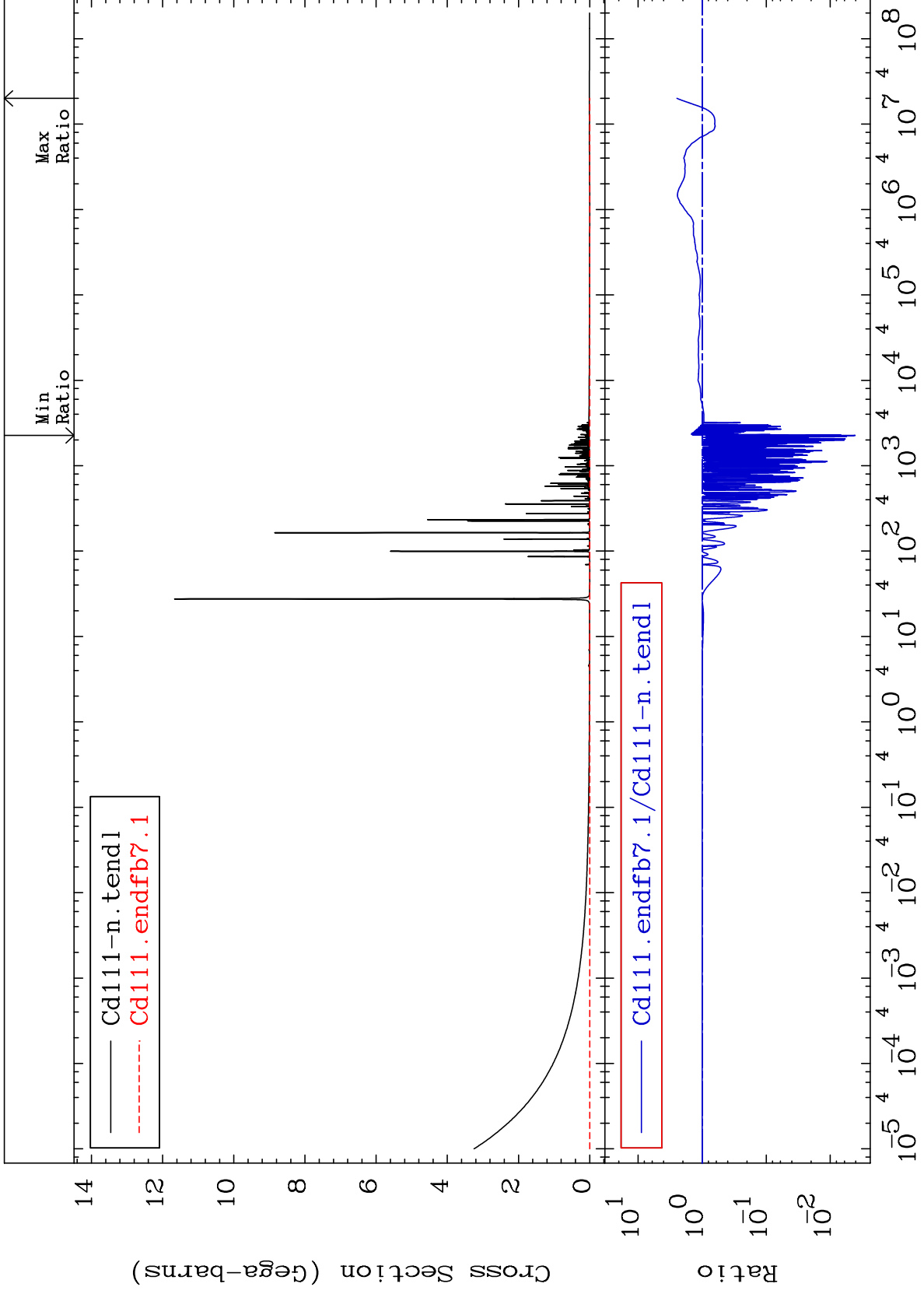
Incident Energy (eV)

48-Cd-111

MAT 4840

Total photon (eV-barns)  
Cross Section

48-Cd-111  
-99.59 To 147.5 %



36

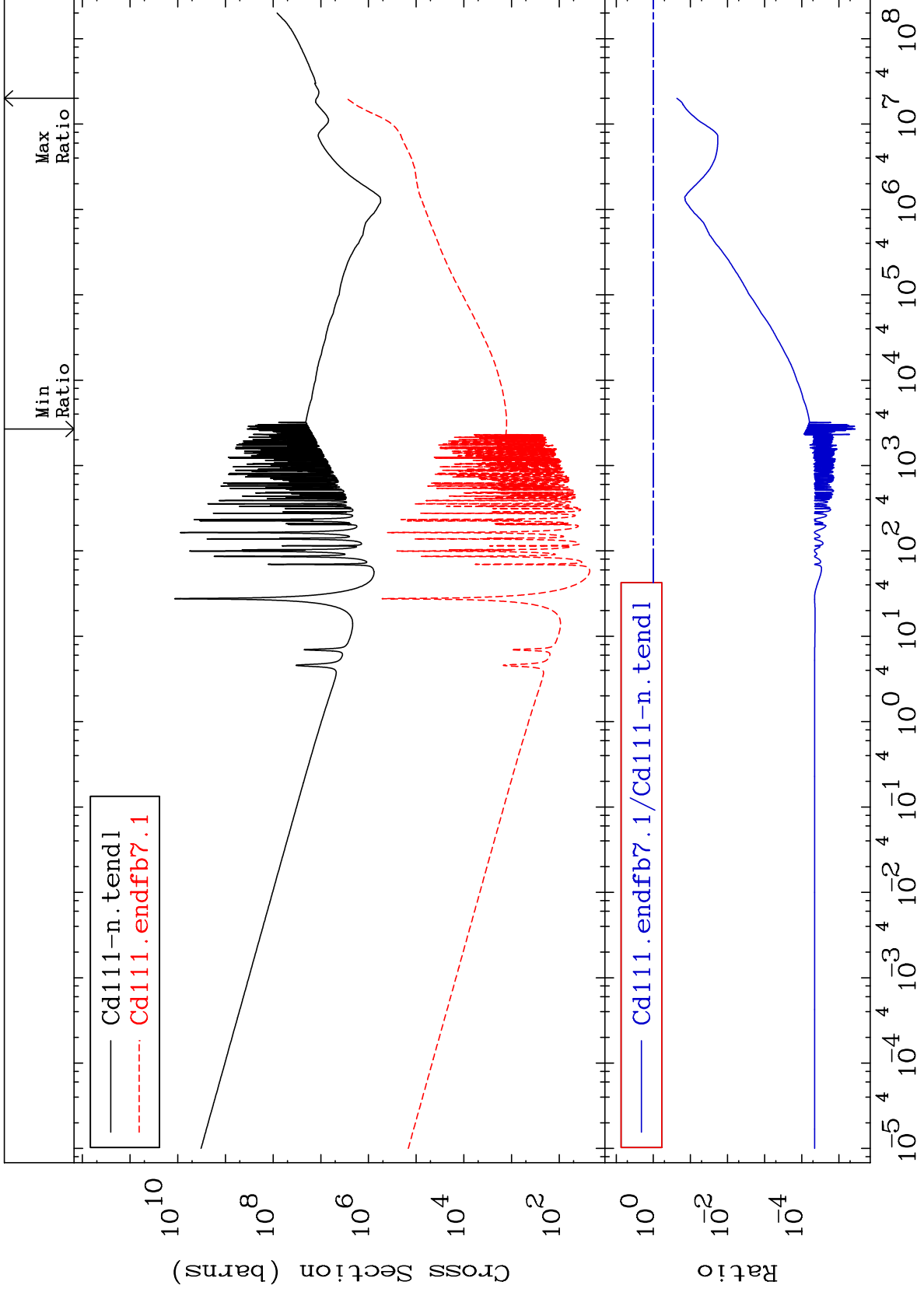
Incident Energy (eV)

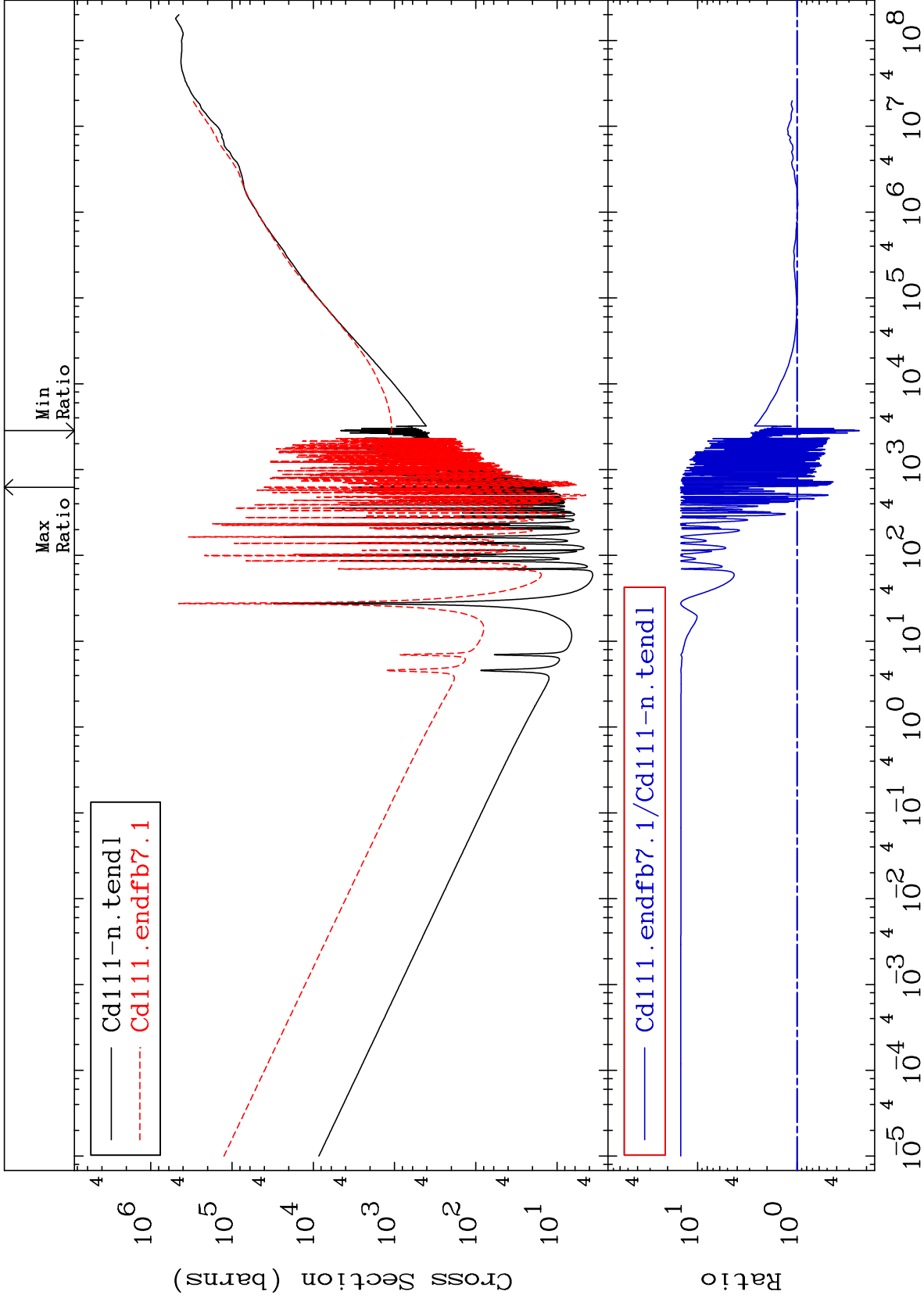
48-Cd-111

MAT 4840

Total kinematic kerma (high limit)  
Cross Section

48-Cd-111  
-100.0 To -76.88%

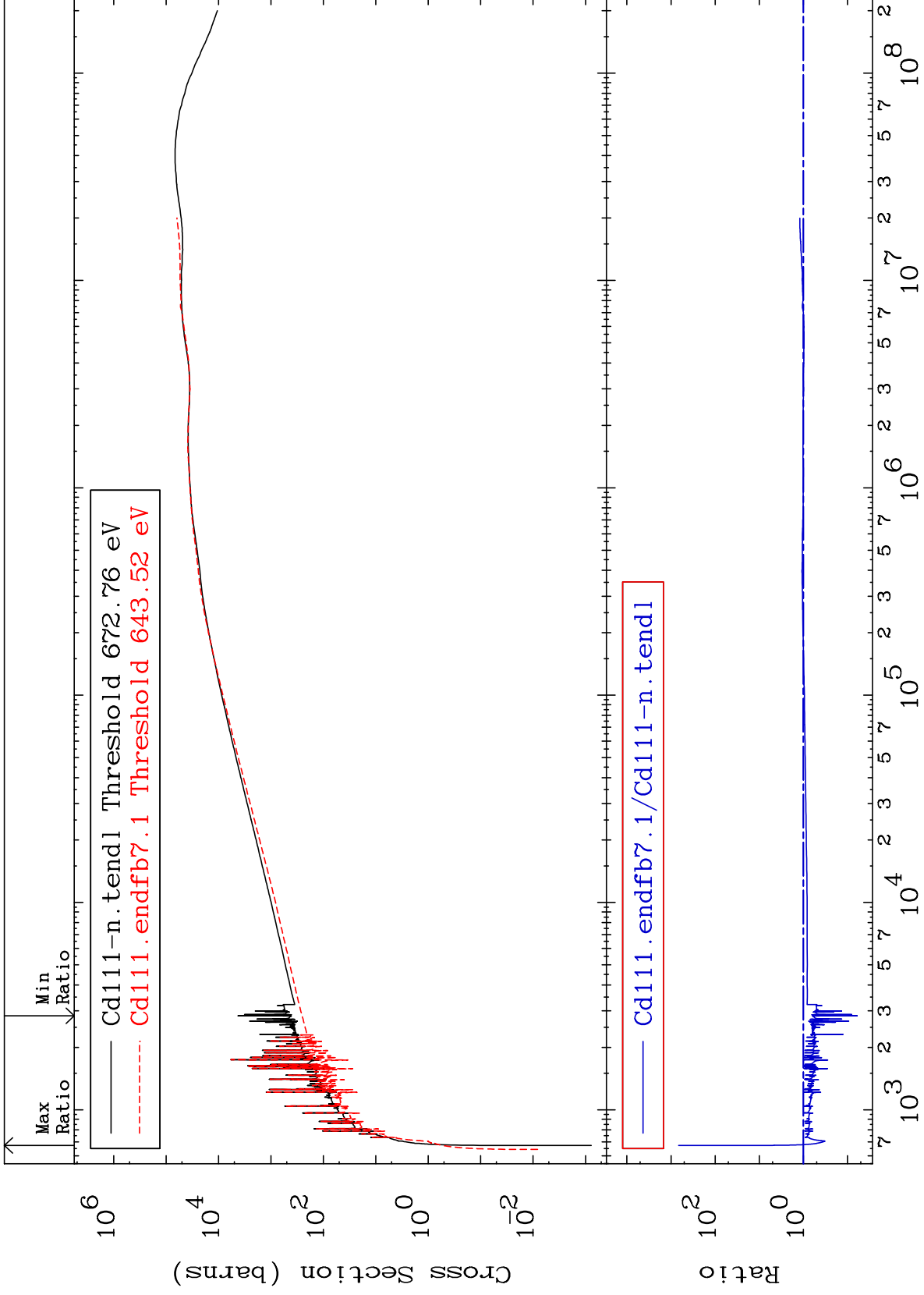




MAT 4840

Dpa elastic (mt2)  
Cross Section

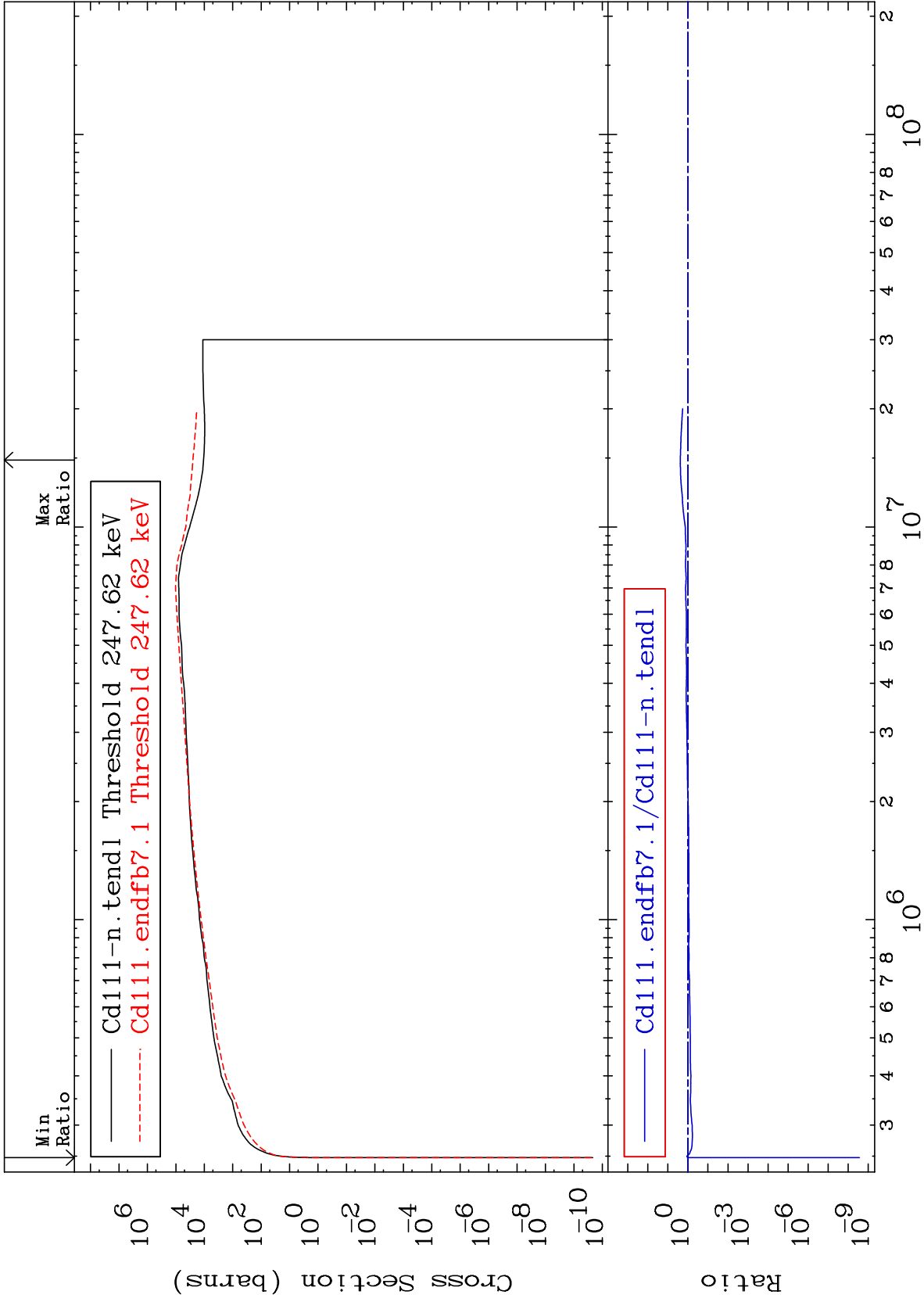
48-Cd-111  
-94.01 To 9999. %



MAT 4840

Dpa inelastic (mt51-91)  
Cross Section

48-Cd-111  
-100.0 To 137.5 %



40

48-Cd-111



MAT 4840

Dpa disappearance (mt102 -120)  
Cross Section

48-Cd-111  
-93.61 To 9999. %

