

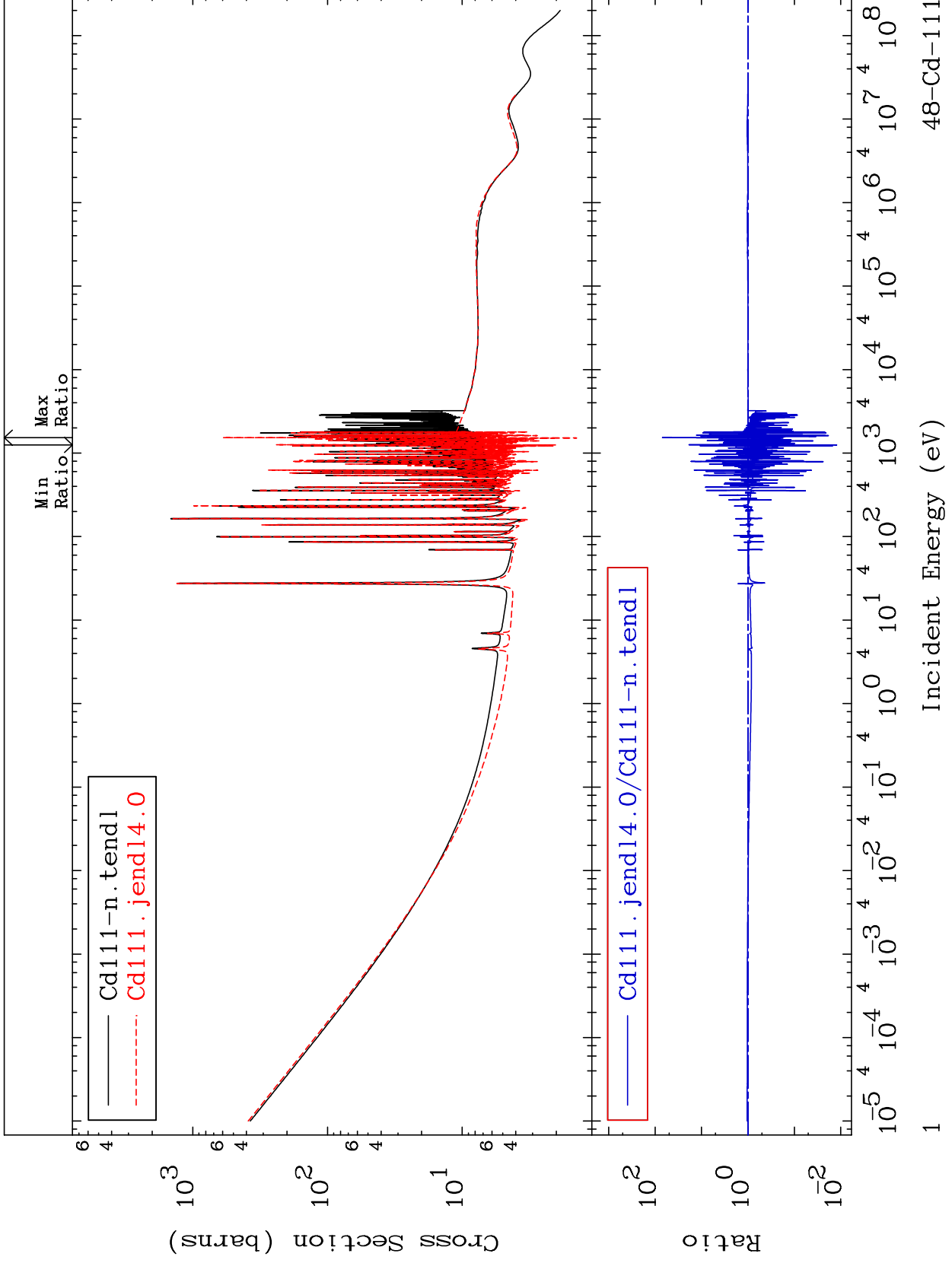
MAT 4840

Total

48-Cd-111

Cross Section

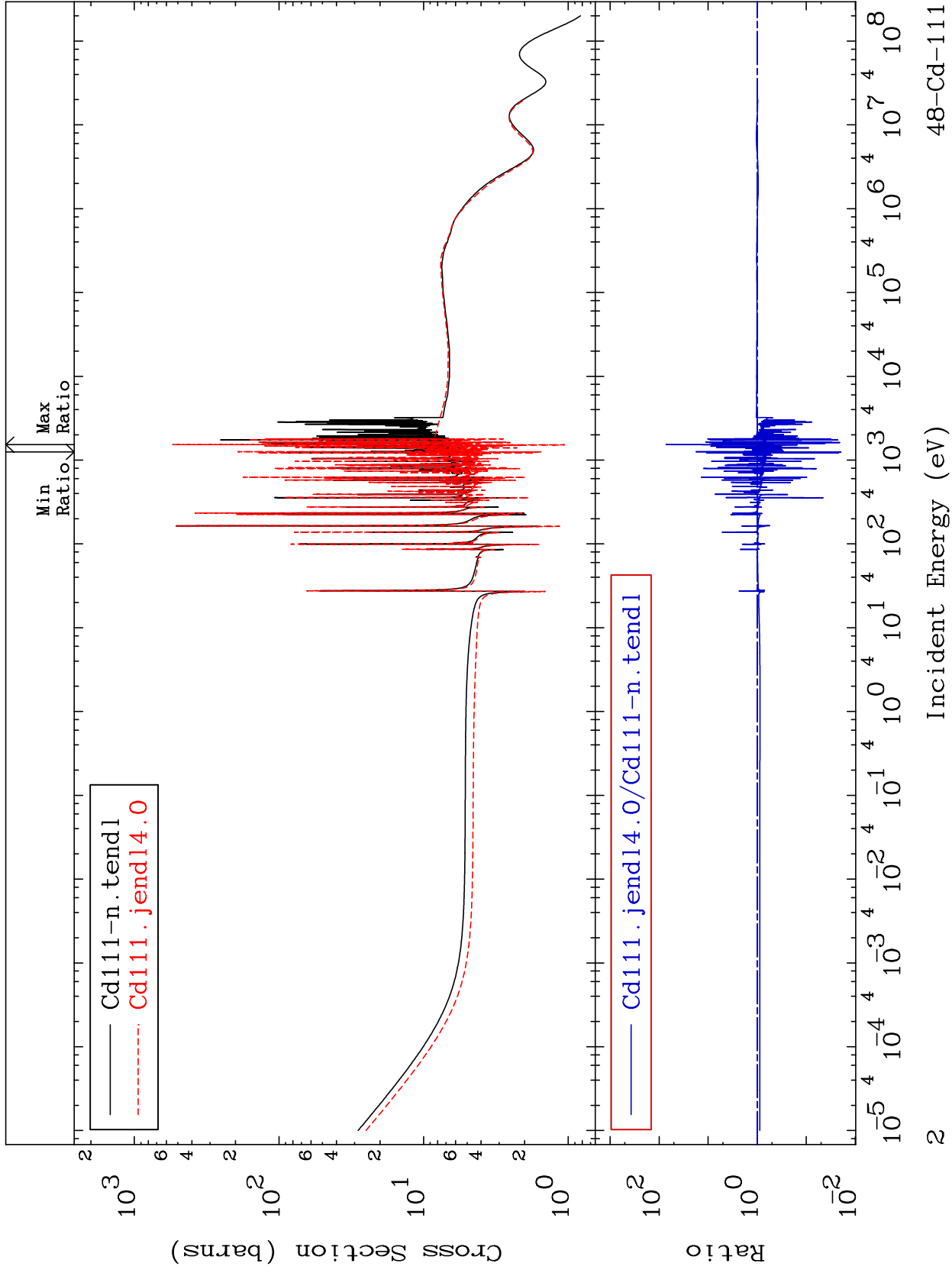
-98.77 To 6895. %



MAT 4840

Elastic  
Cross Section

48-Cd-111  
-98.03 To 7151. %

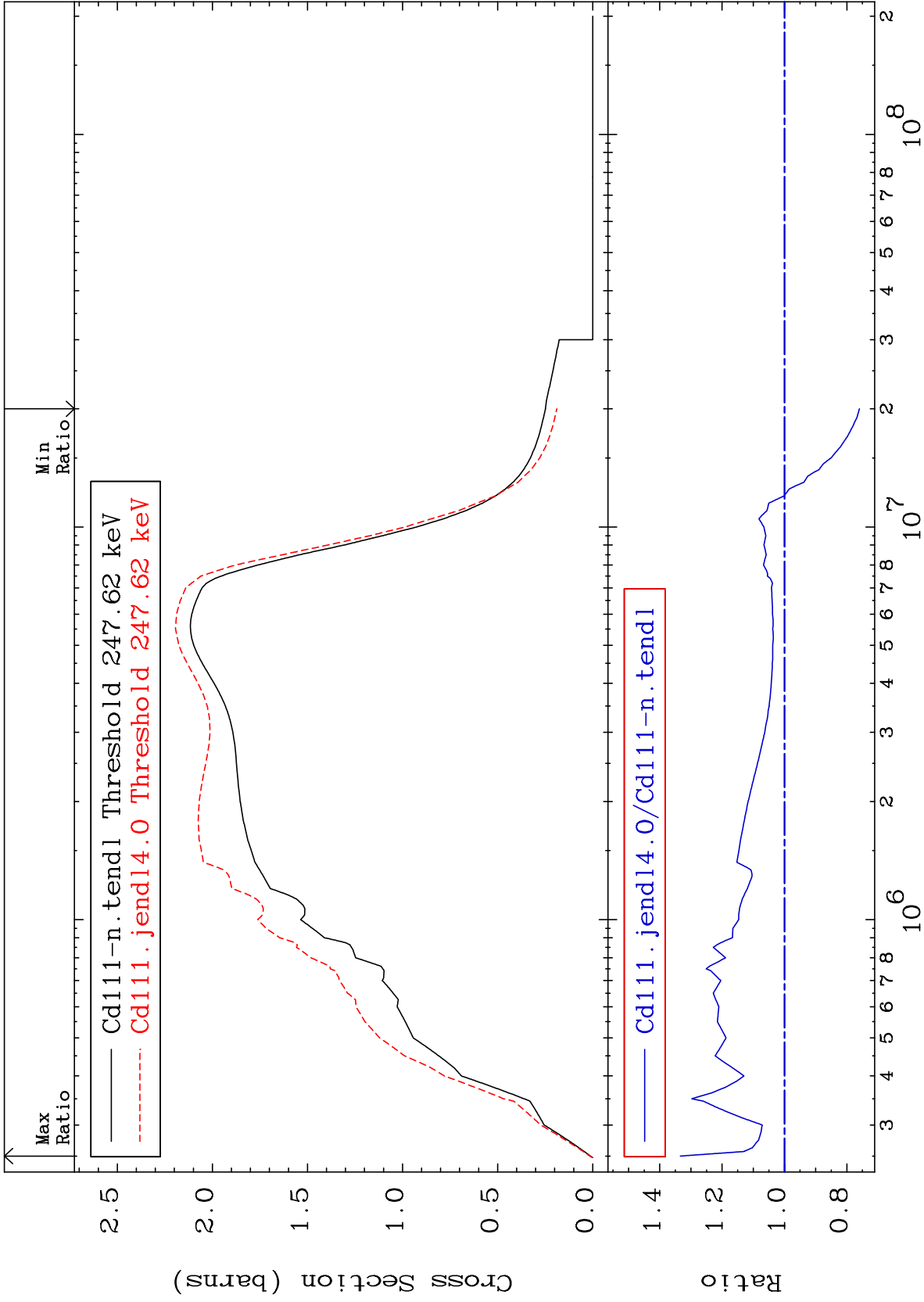


48-Cd-111

MAT 4840

Inelastic  
Cross Section

48-Cd-111  
-24.04 To 33.39 %



3

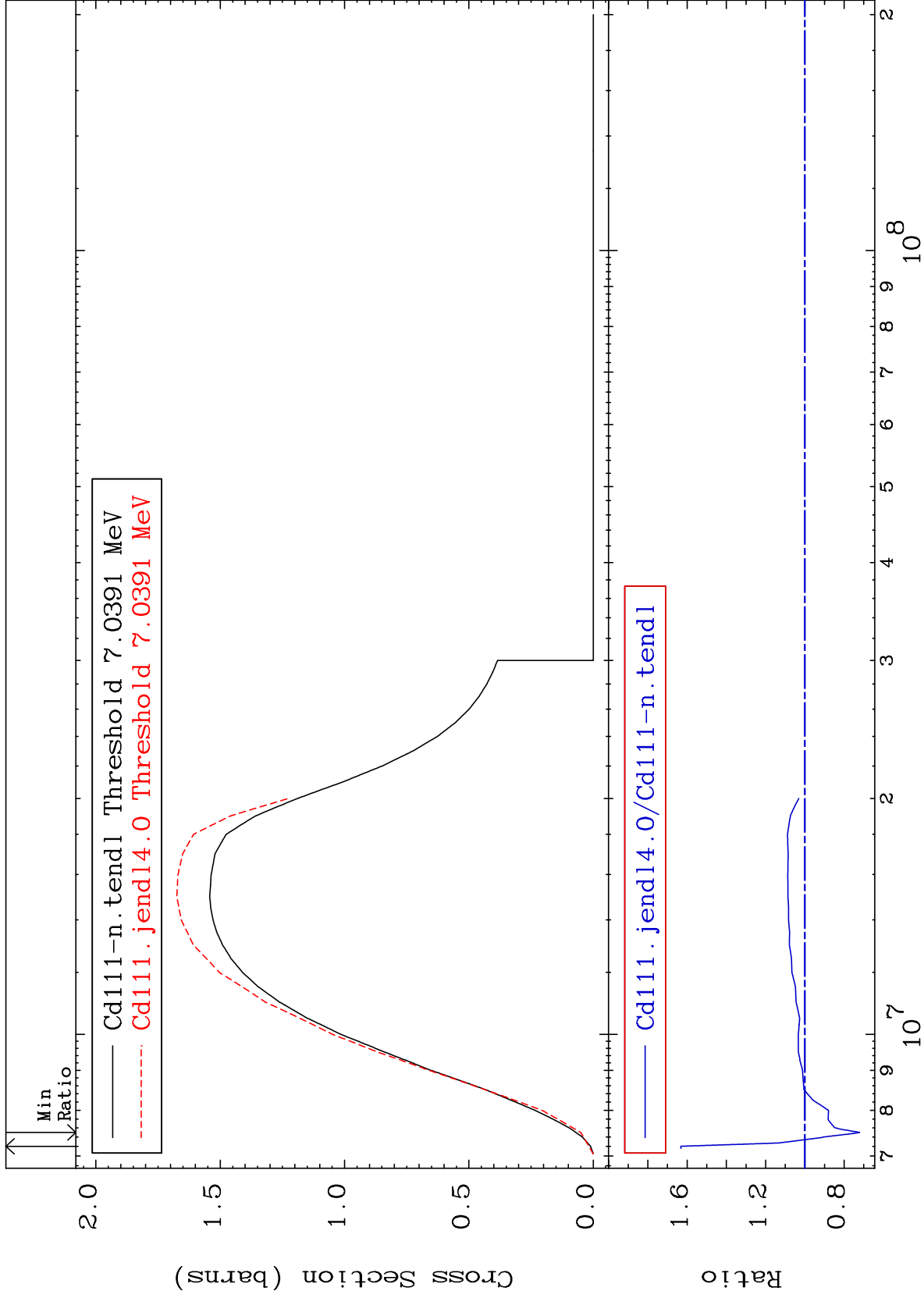
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,2n)  
Cross Section

48-Cd-111  
-27.85 To 63.24 %



4

48-Cd-111

48-Cd-111

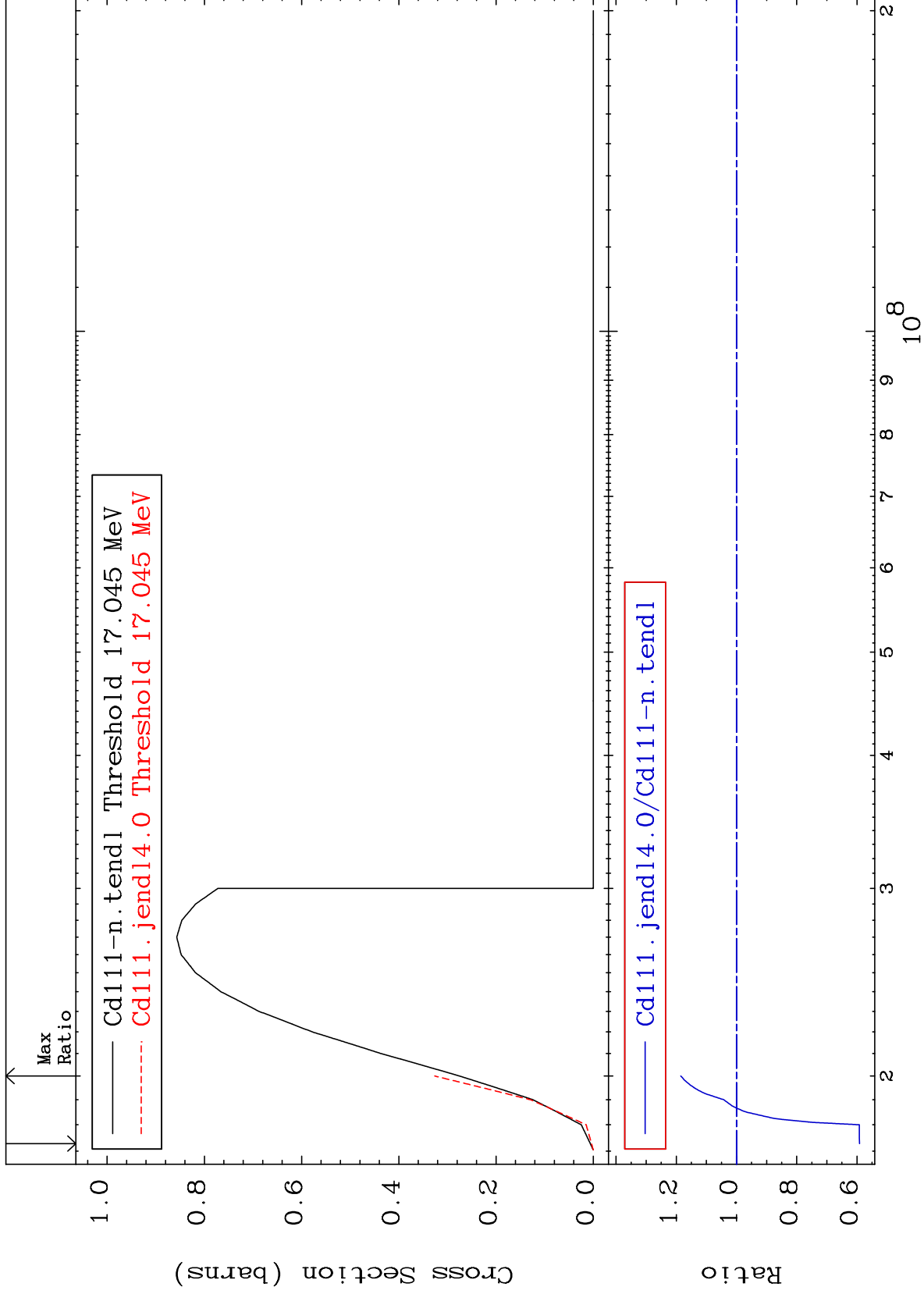
MAT 4840

(n,3n)

48-Cd-111

Cross Section

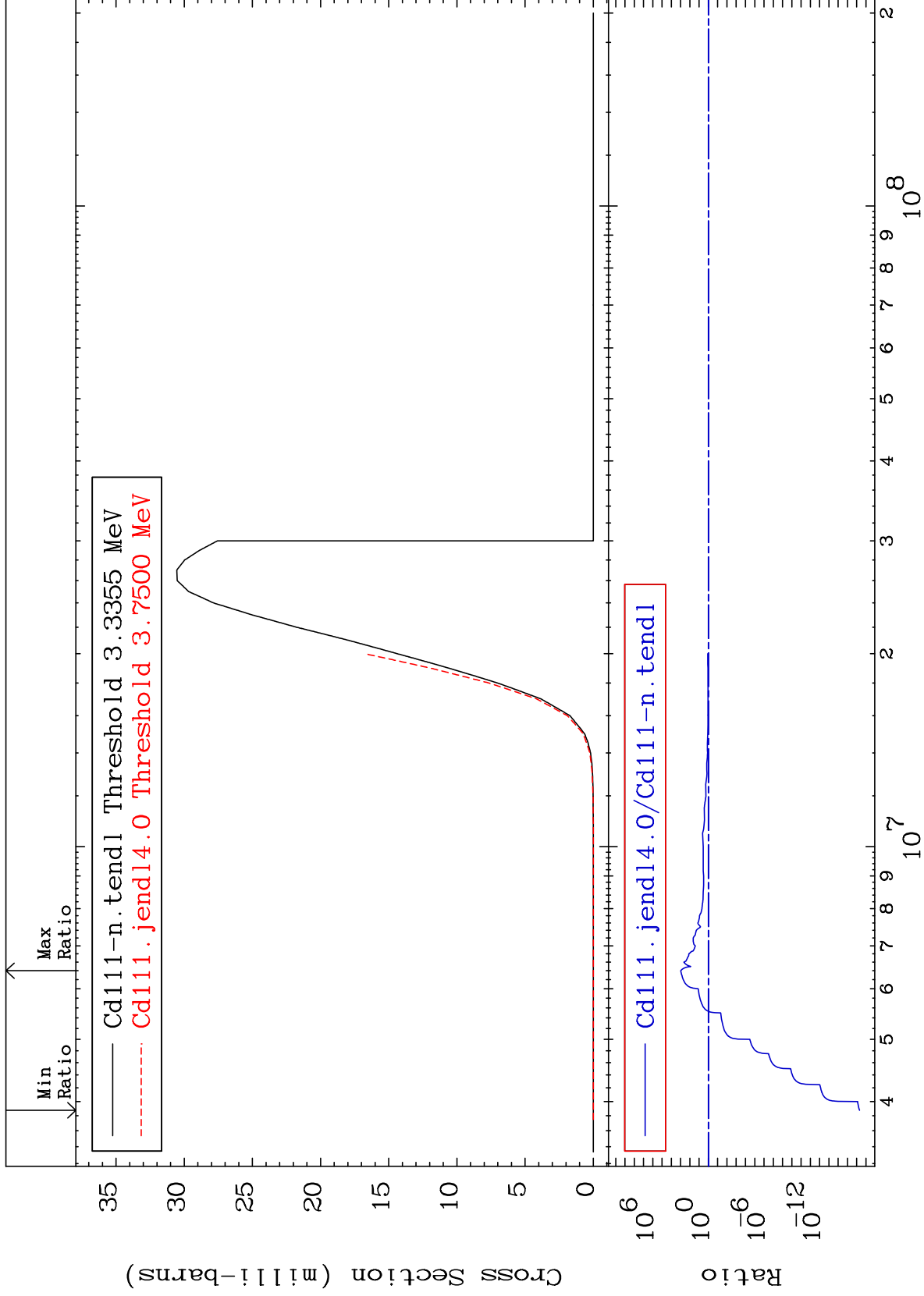
-40.85 To 18.51 %



MAT 4840

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

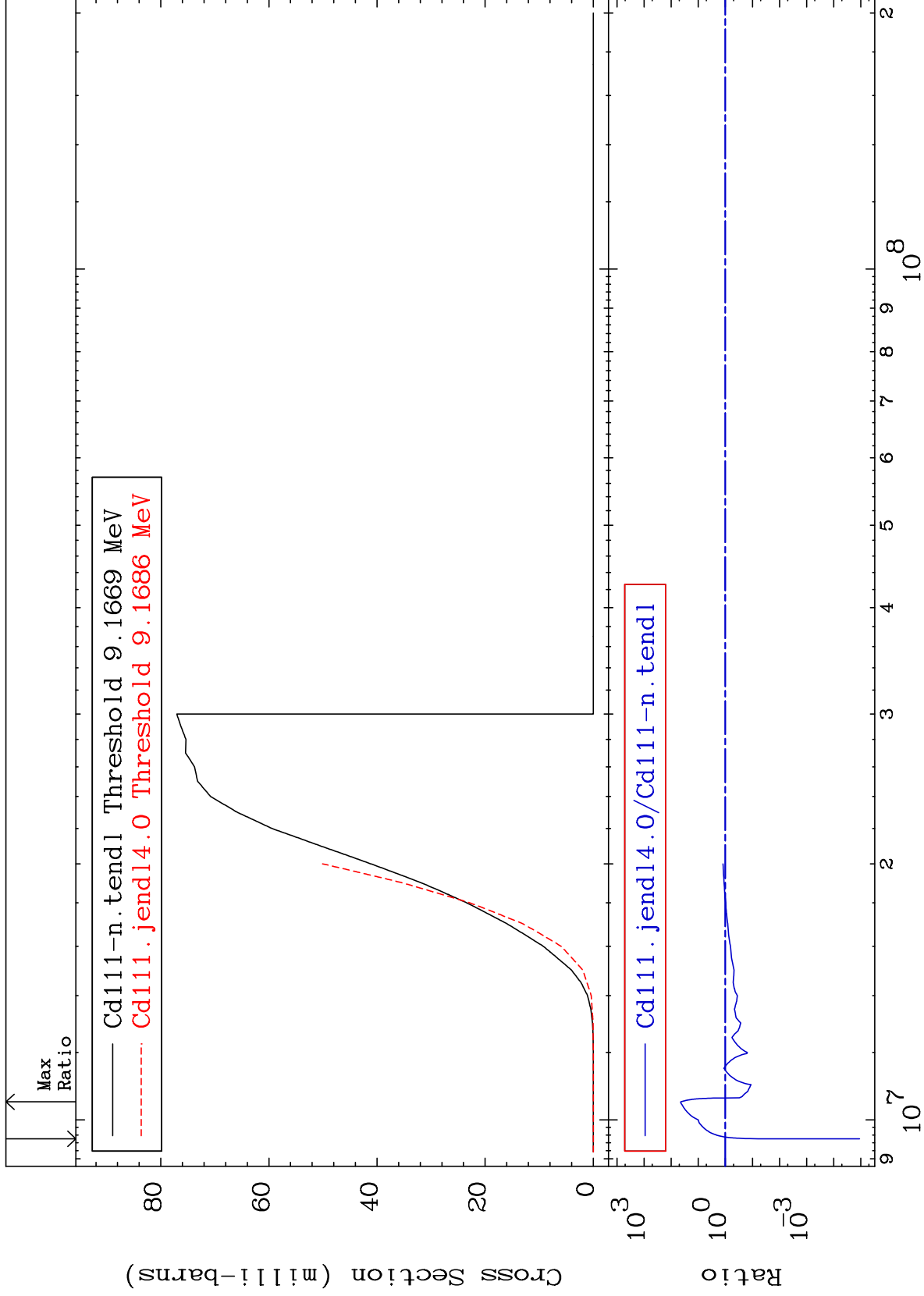
48-Cd-111  
-100.0 To 9999. %



MAT 4840

(n,n') p  
Cross Section

48-Cd-111  
-100.0 To 4317. %



48-Cd-111

Incident Energy (eV)

7

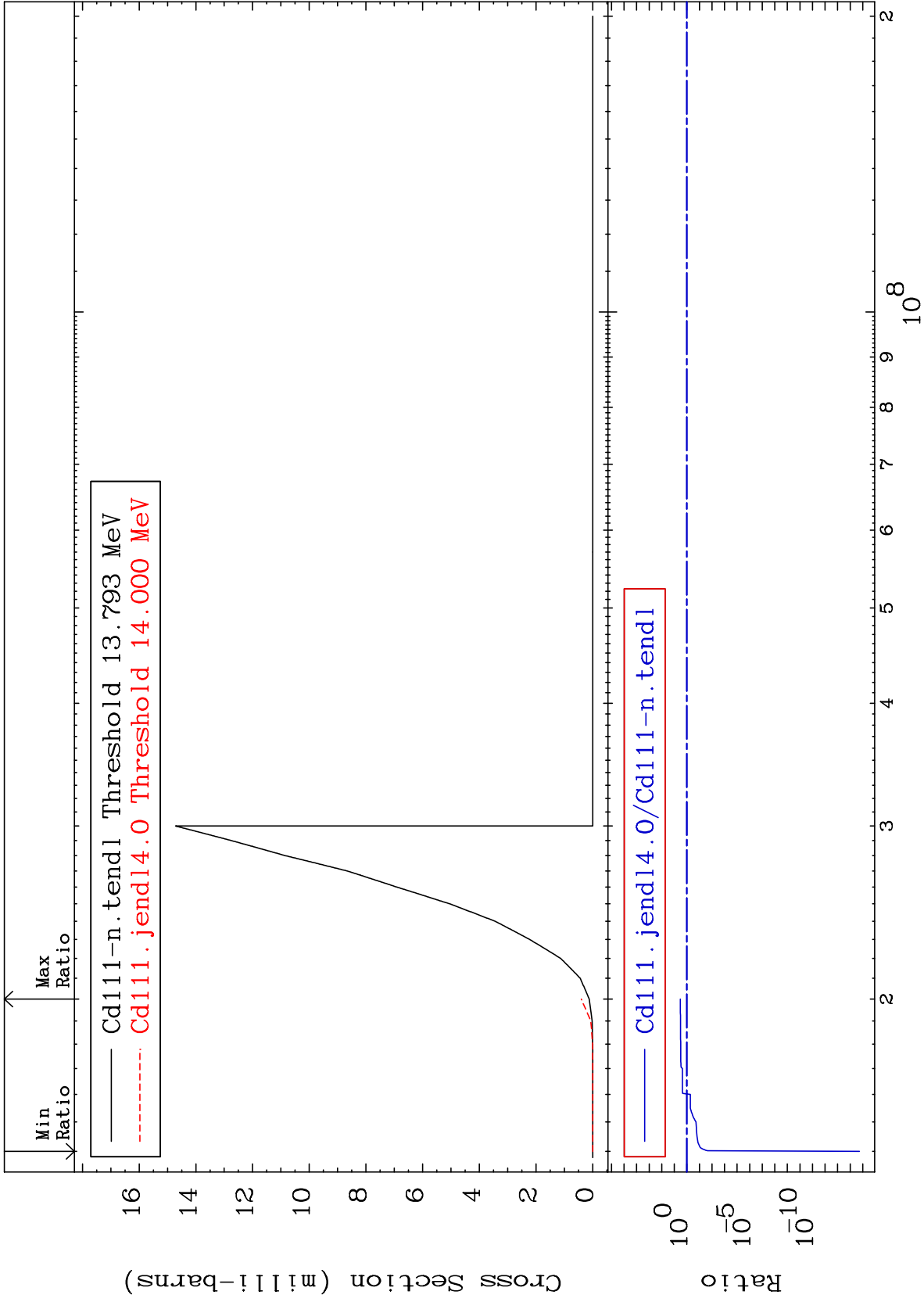
MAT 4840

(n,n') d

48-Cd-111

Cross Section

-100.0 To 229.0 %

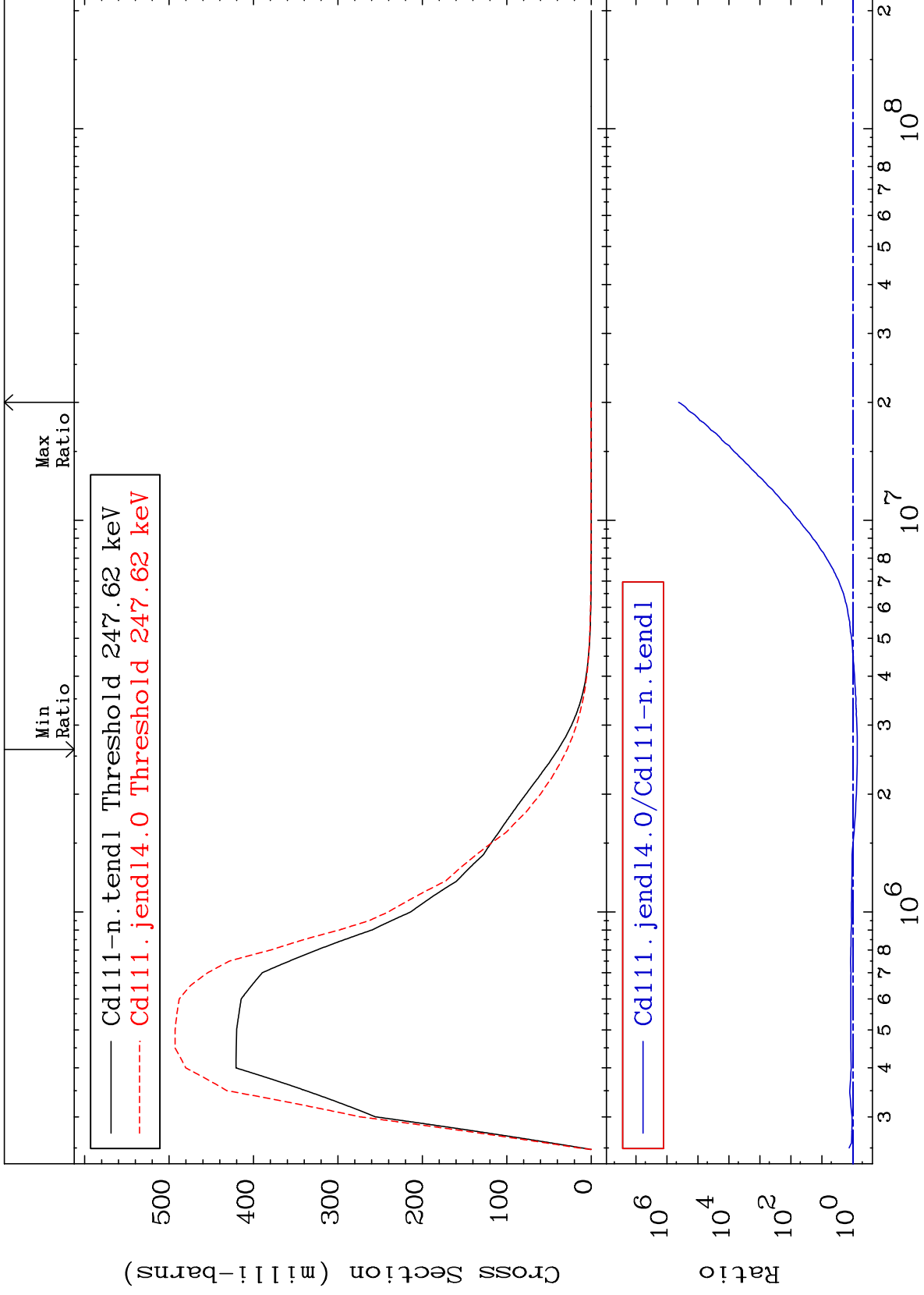




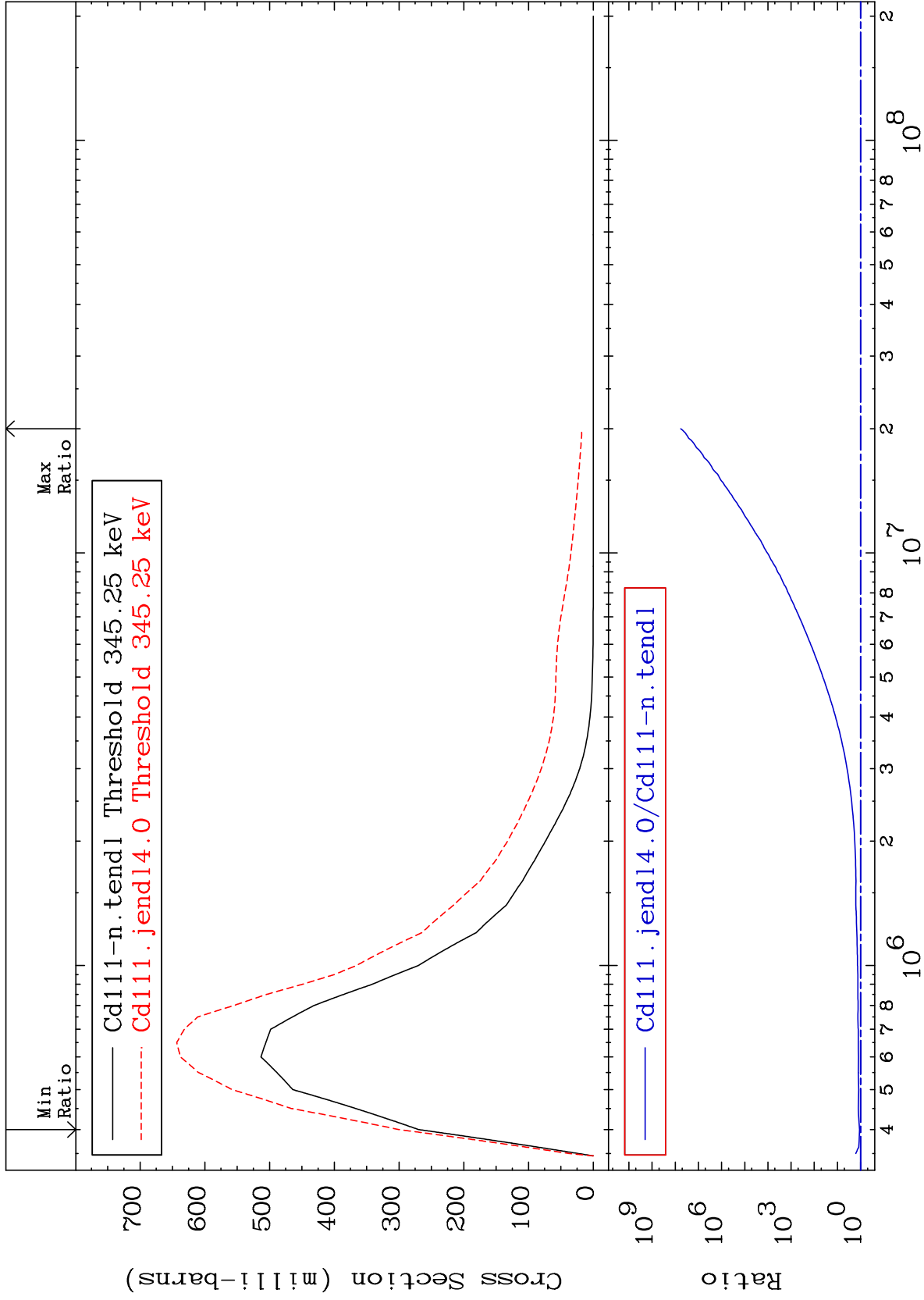
MAT 4840

245.4 keV (n,n') Level  
Cross Section

48-Cd-111  
-27.16 To 9999. %



MAT 4840      342.1 keV (n,n') Level      48-Cd-111  
 Cross Section      11.20 To 9999. %

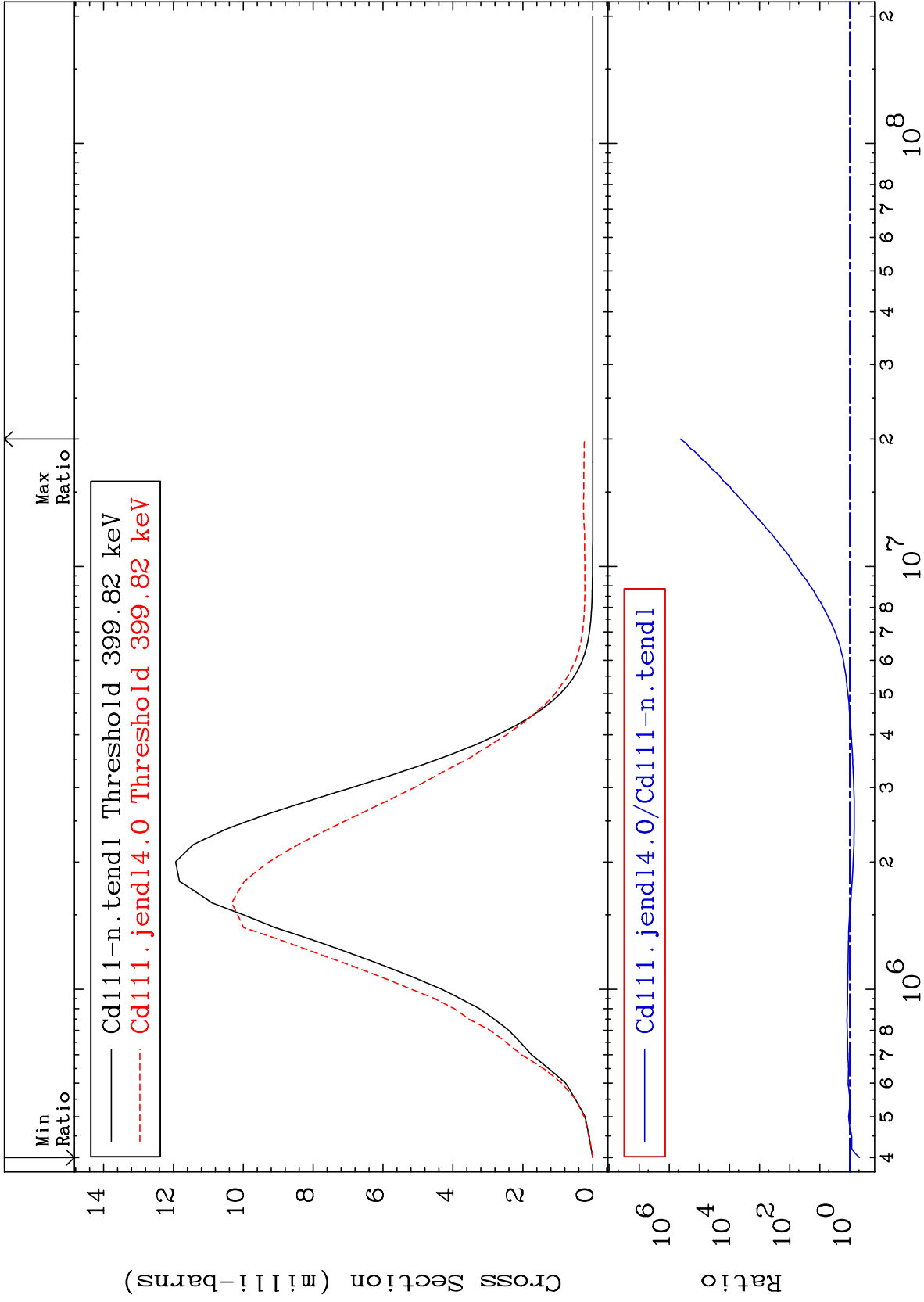


10      Incident Energy (eV)      48-Cd-111

MAT 4840

396.2 keV (n,n') Level  
Cross Section

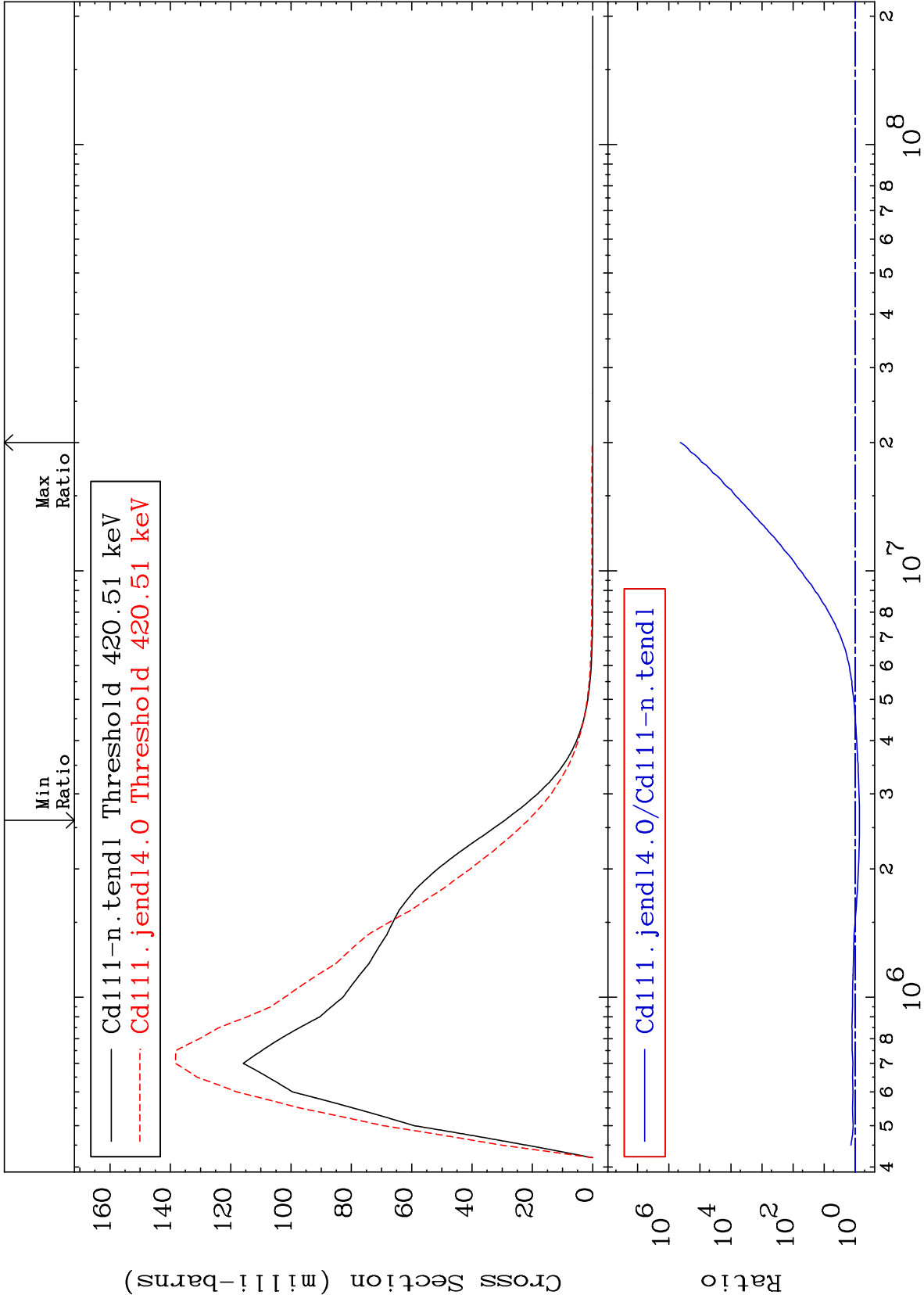
48-Cd-111  
-51.66 To 9999. %



MAT 4840

416.7 keV (n,n') Level  
Cross Section

48-Cd-111  
-26.48 To 9999. %



12

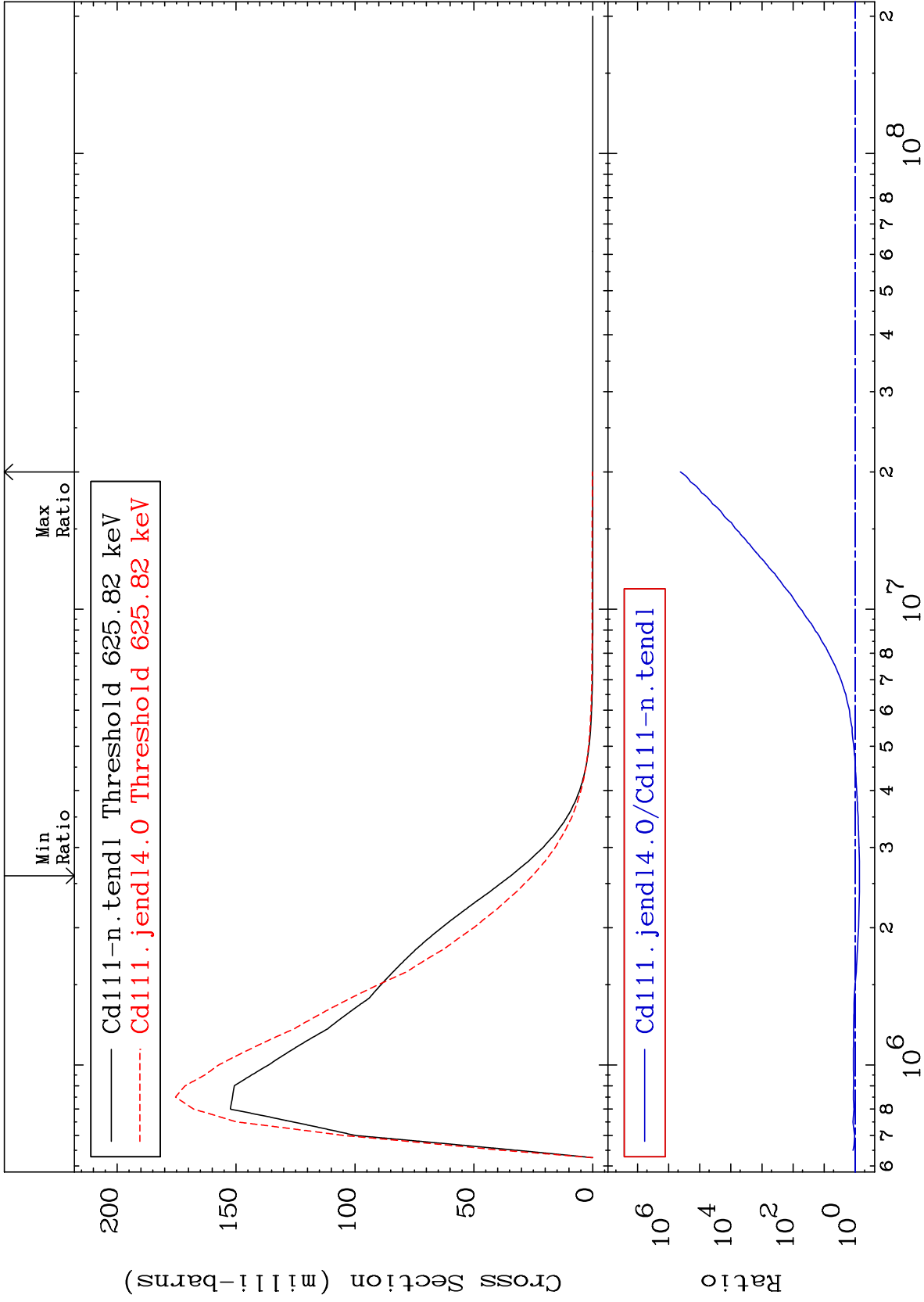
Incident Energy (eV)

48-Cd-111

MAT 4840

620.2 keV (n,n') Level  
Cross Section

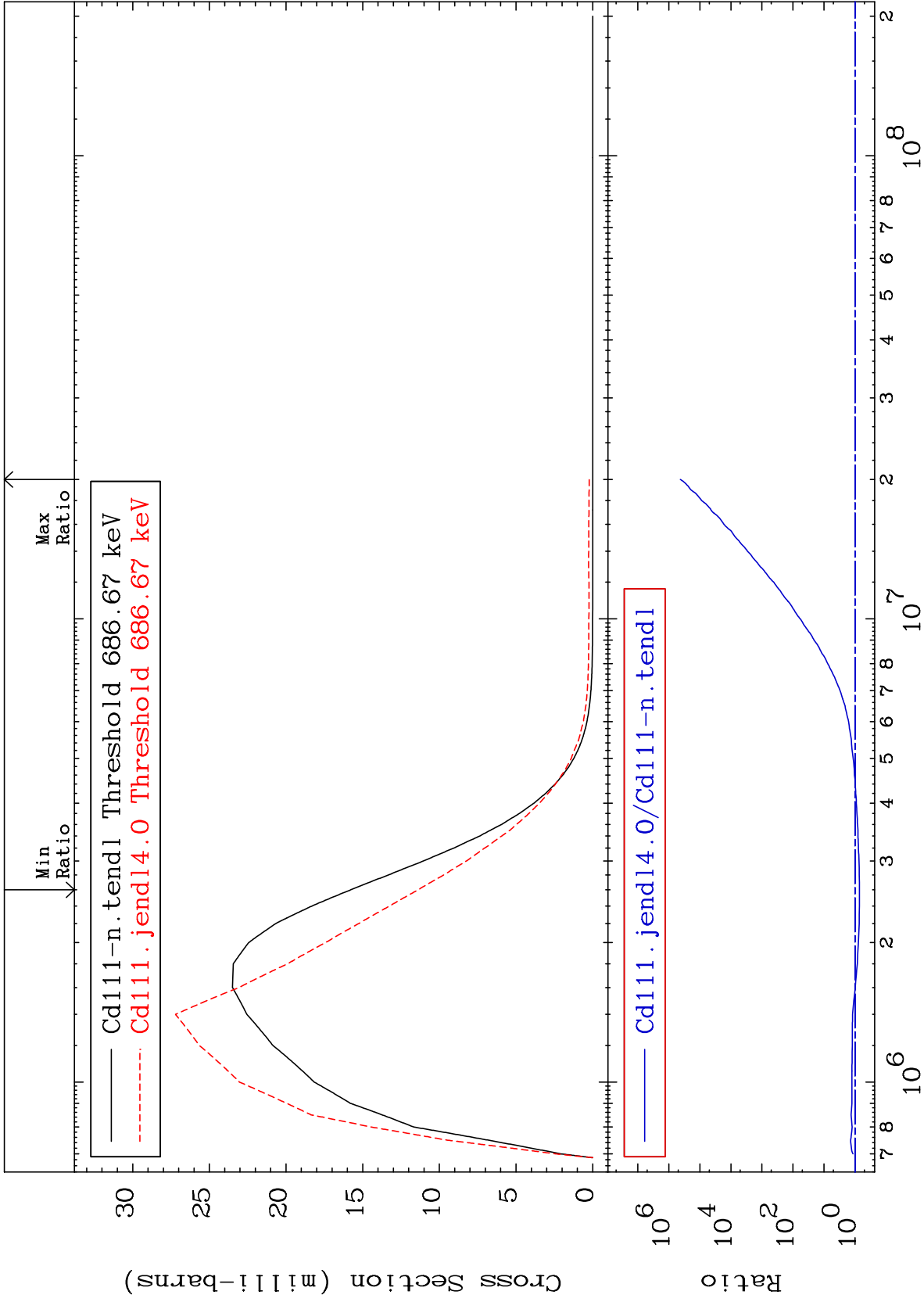
48-Cd-111  
-26.41 To 9999. %



MAT 4840

680.5 keV (n,n') Level  
Cross Section

48-Cd-111  
-27.85 To 9999. %



14

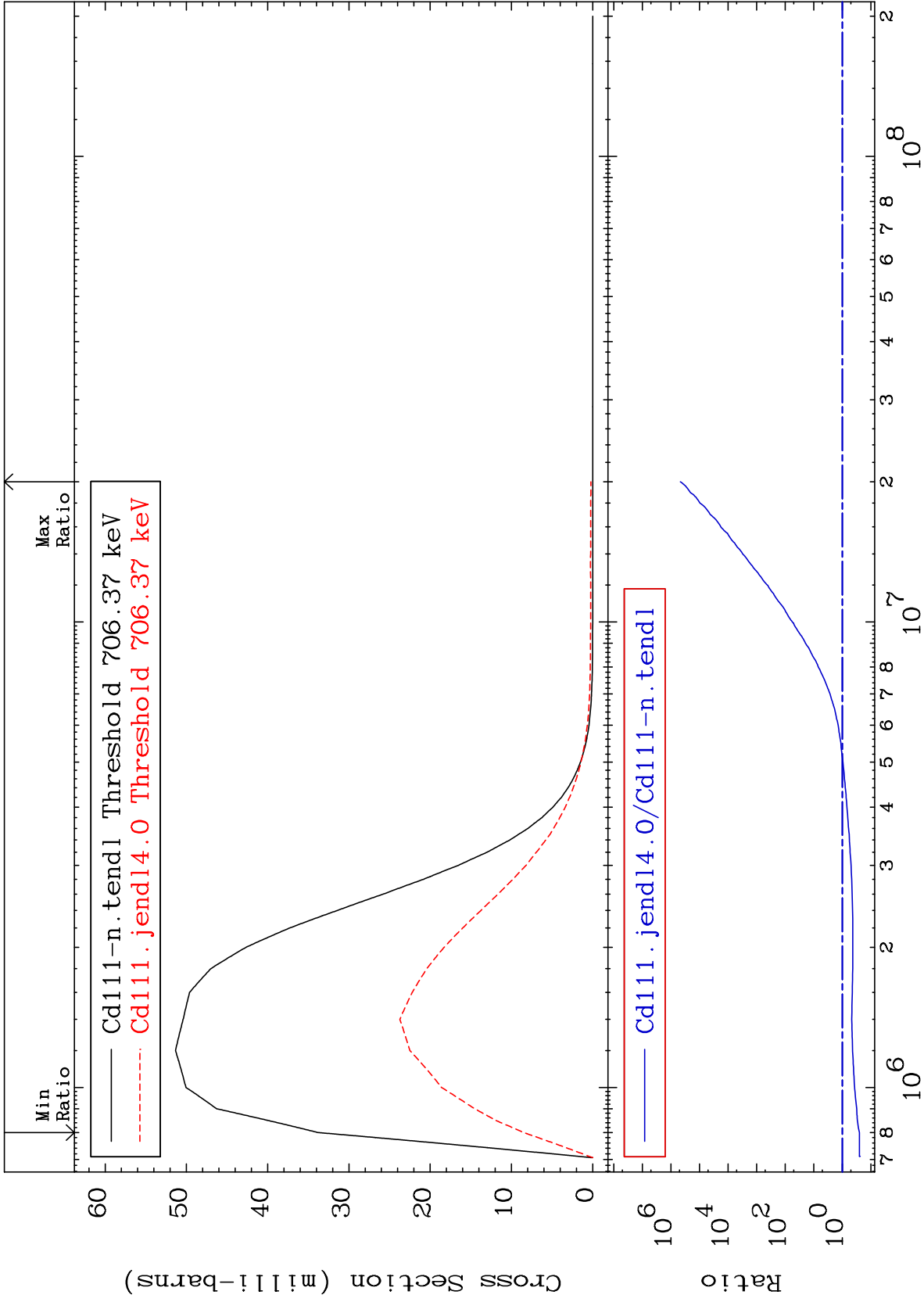
Incident Energy (eV)

48-Cd-111

MAT 4840

700.0 keV (n,n') Level  
Cross Section

48-Cd-111  
-74.81 To 9999. %



15

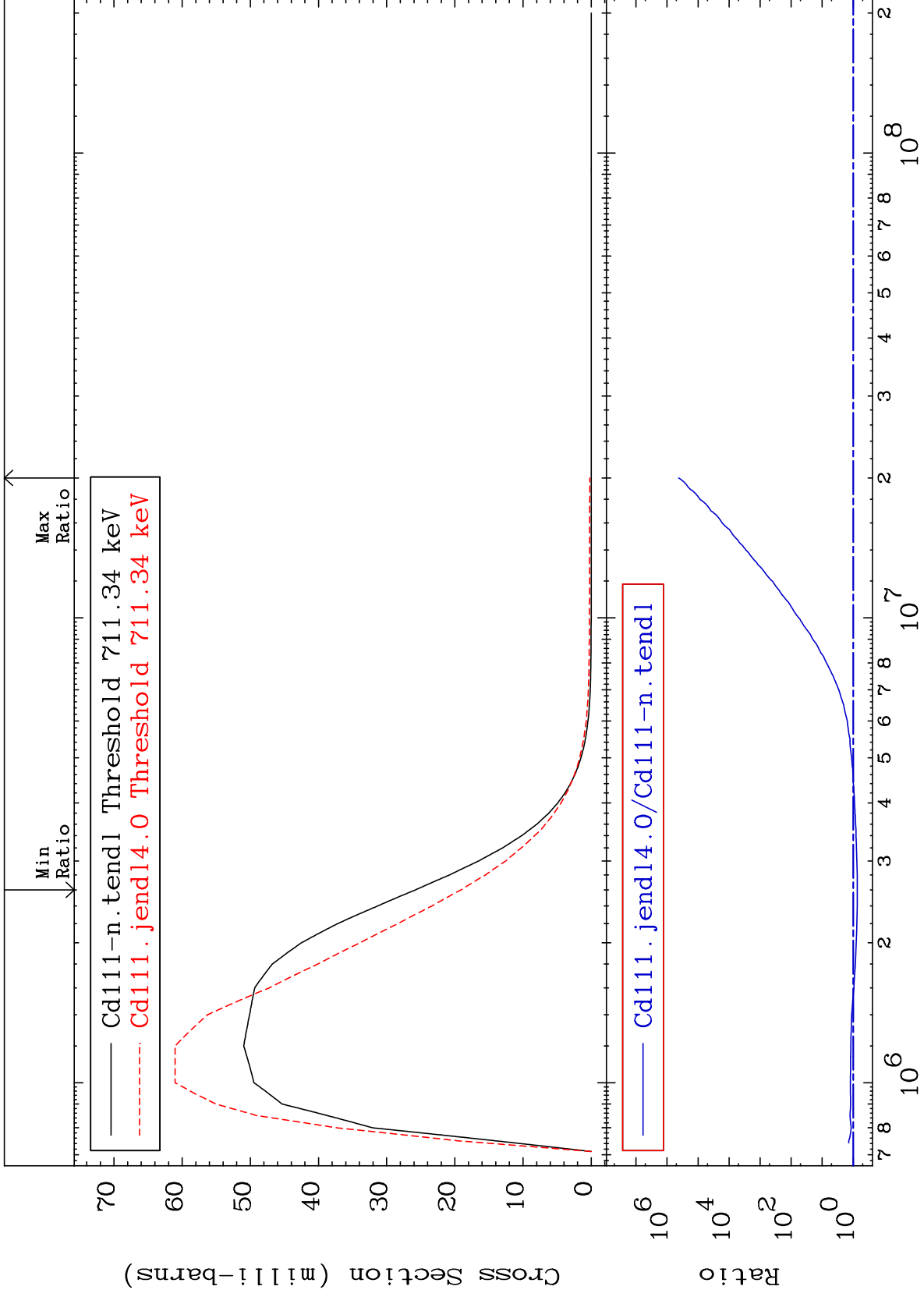
Incident Energy (eV)

48-Cd-111

MAT 4840

704.9 keV (n,n') Level  
Cross Section

48-Cd-111  
-25.85 To 9999. %



16

Incident Energy (eV)

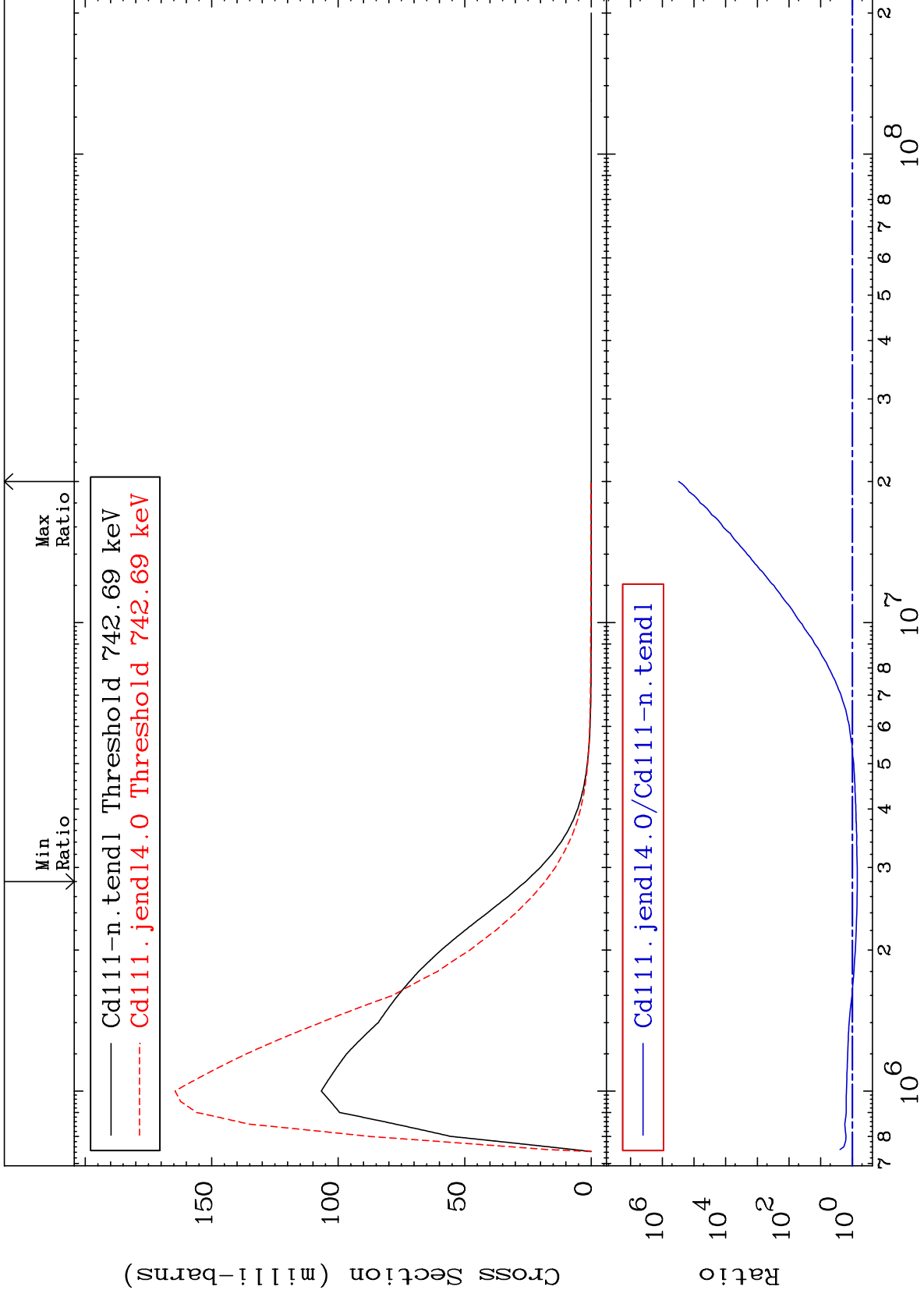
48-Cd-111



MAT 4840

736.0 keV (n,n') Level  
Cross Section

48-Cd-111  
-29.72 To 9999. %



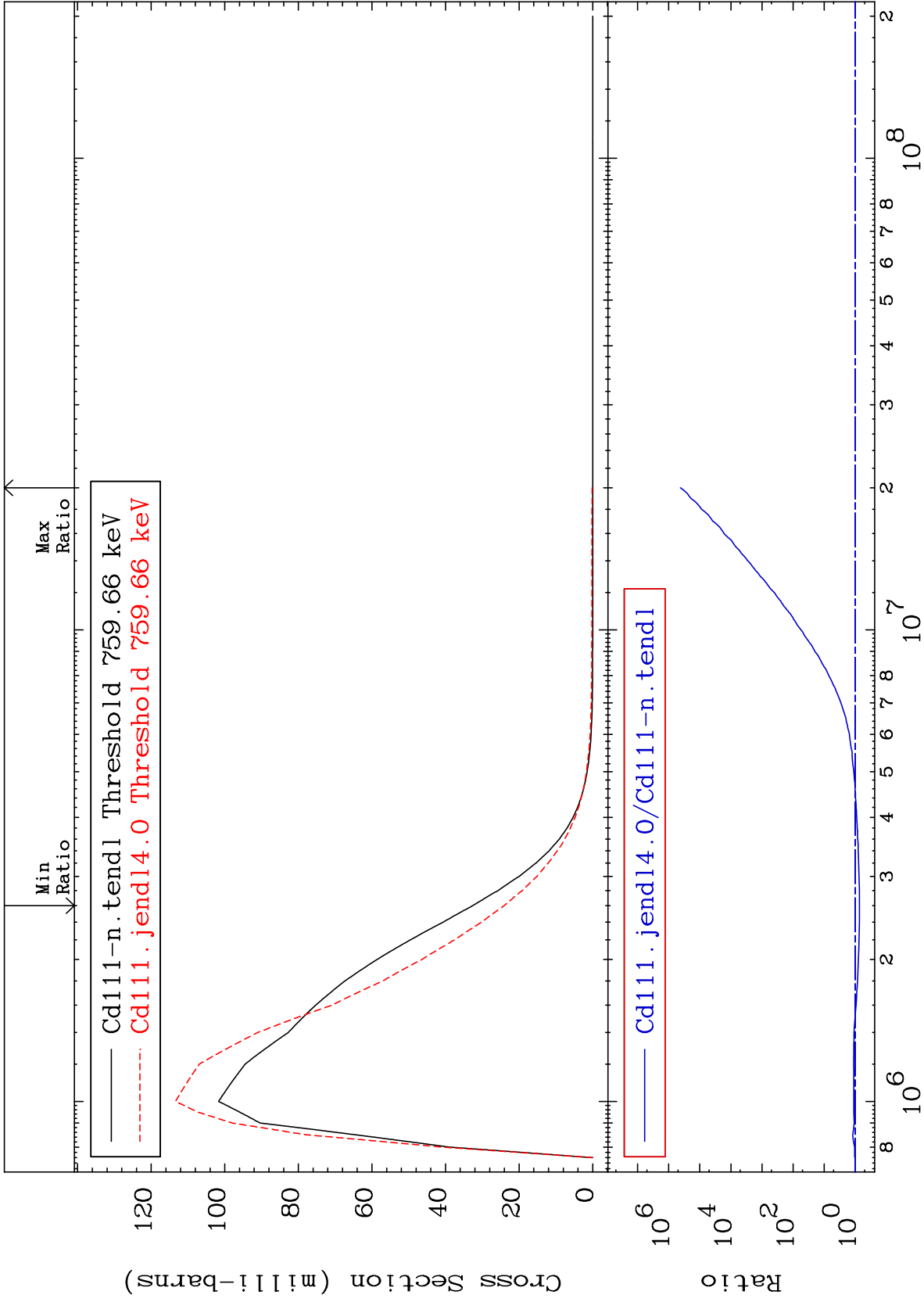
17

48-Cd-111

MAT 4840

752.8 keV (n,n') Level  
Cross Section

48-Cd-111  
-26.17 To 9999. %



18

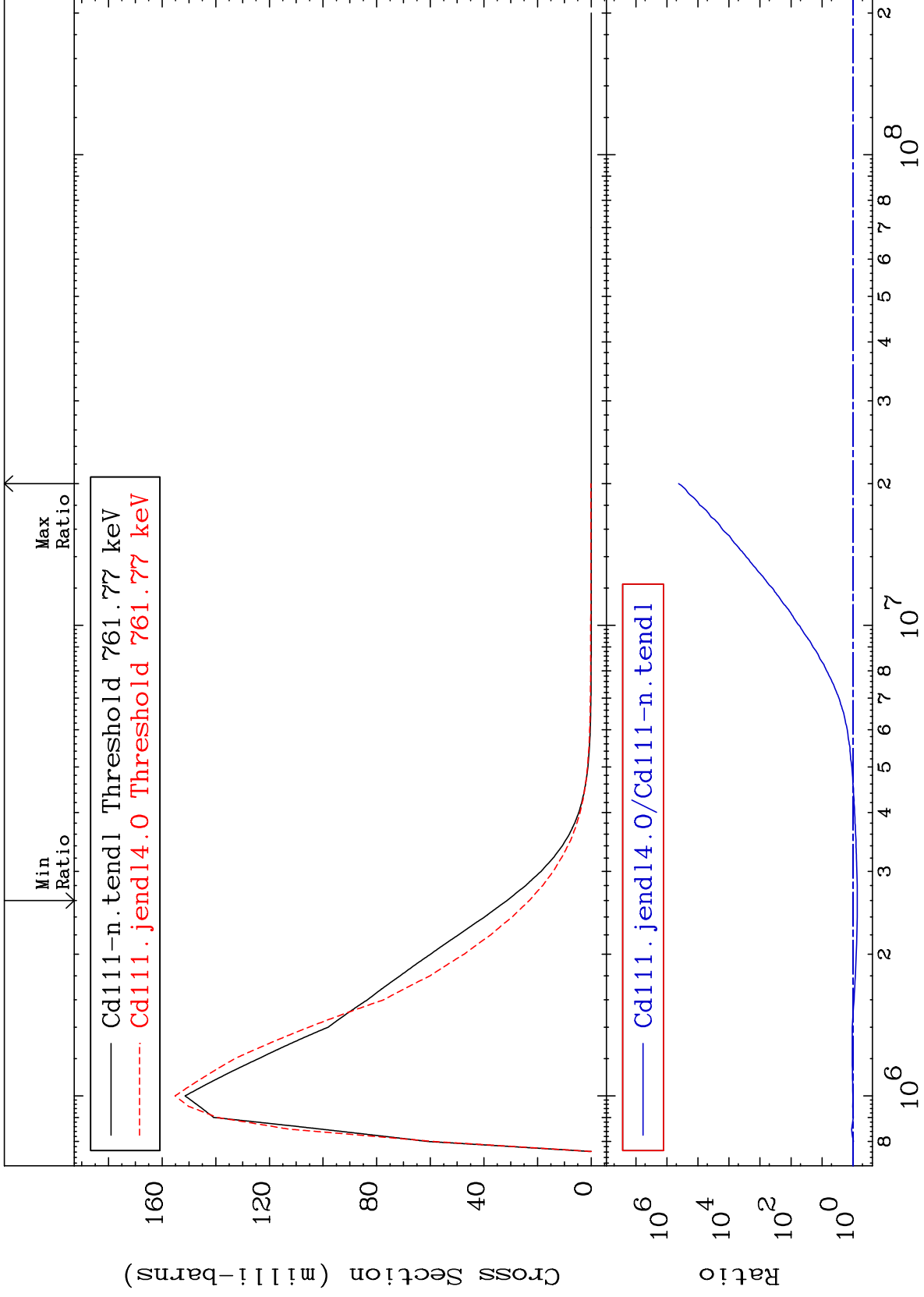
Incident Energy (eV)

48-Cd-111

MAT 4840

754.9 keV (n,n') Level  
Cross Section

48-Cd-111  
-26.35 To 9999. %



19

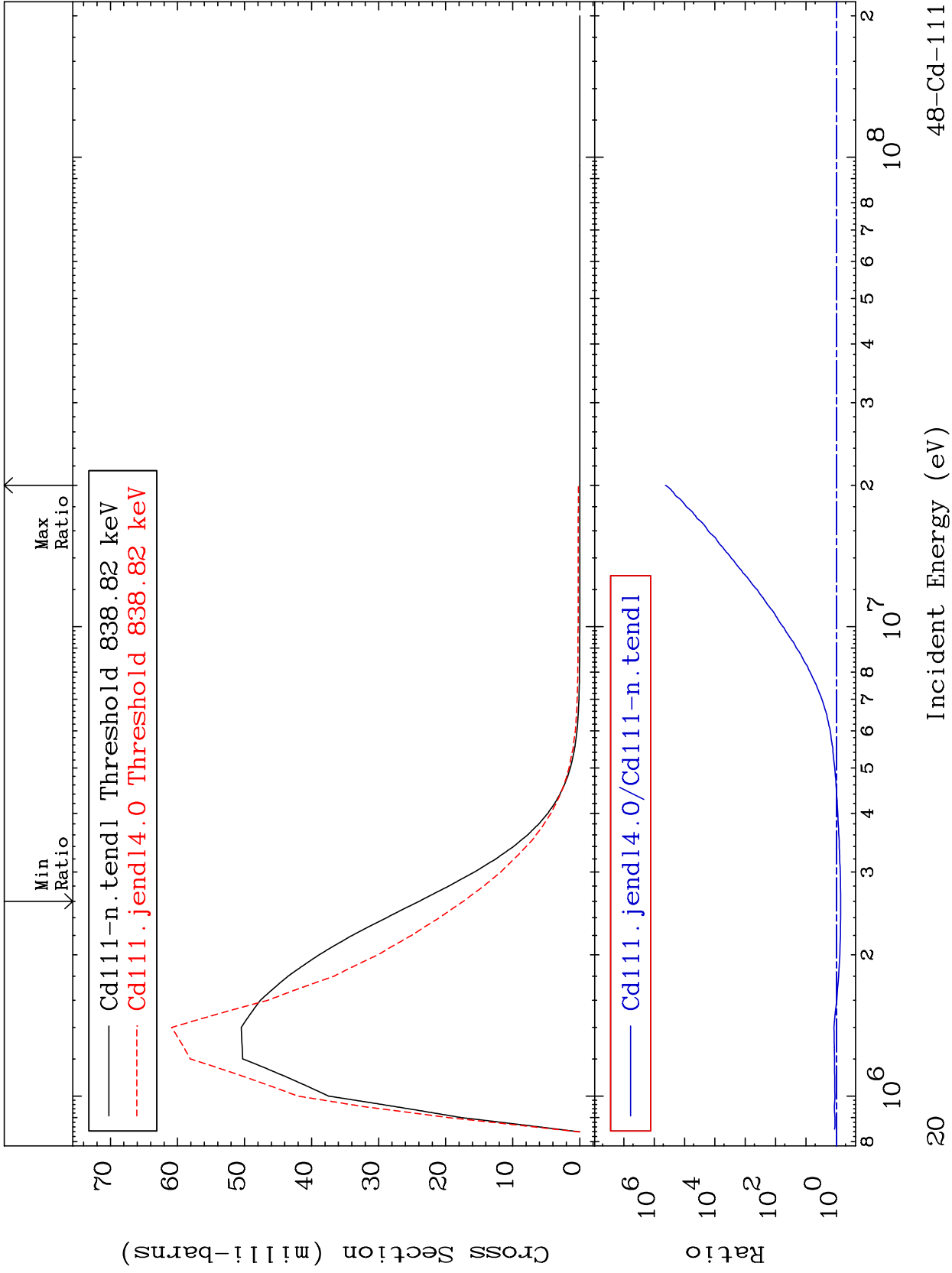
Incident Energy (eV)

48-Cd-111

MAT 4840

831.3 keV (n,n') Level  
Cross Section

48-Cd-111  
-27.50 To 9999. %



48-Cd-111

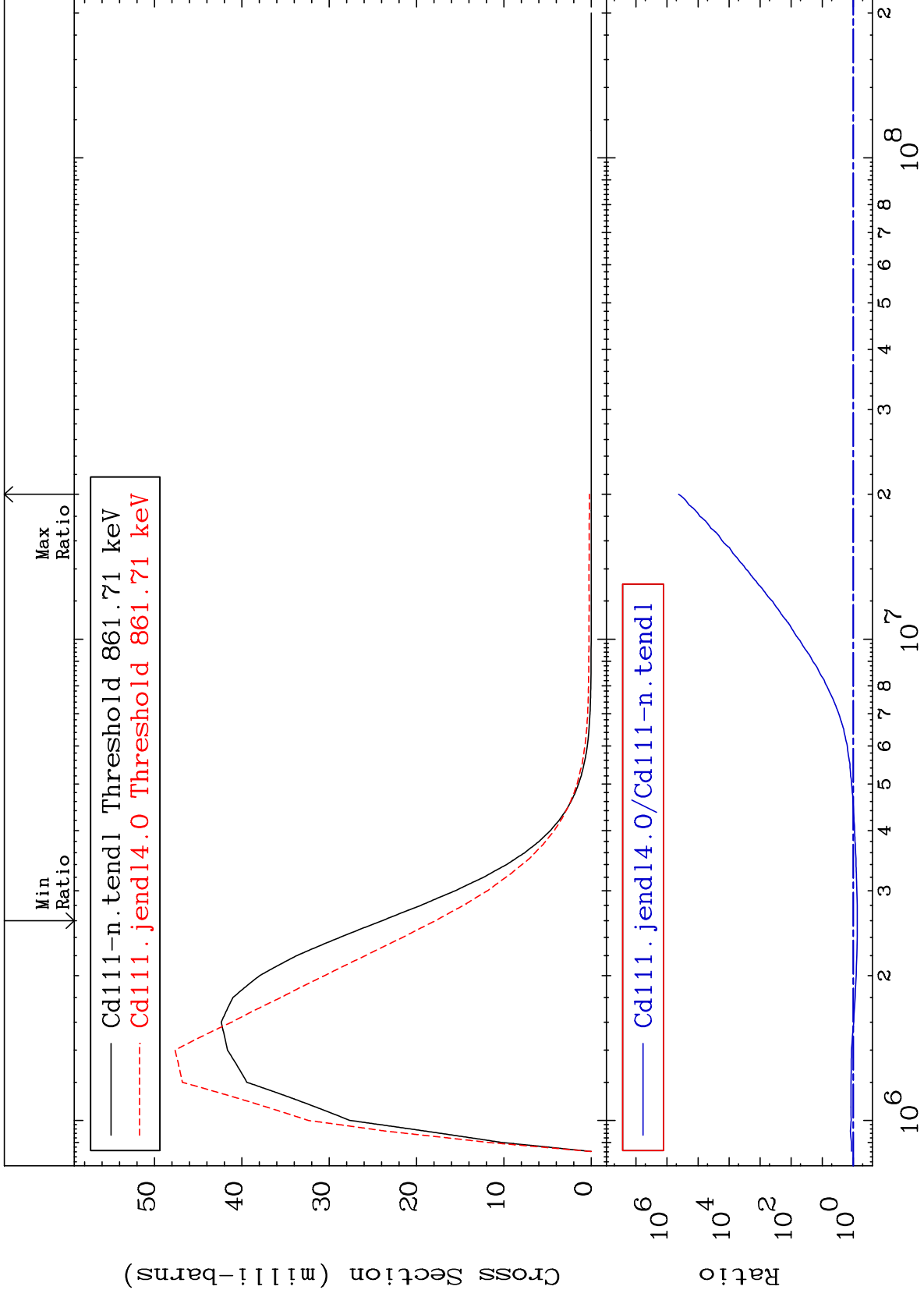
Incident Energy (eV)

20

MAT 4840

853.9 keV (n,n') Level  
Cross Section

48-Cd-111  
-25.55 To 9999. %



21

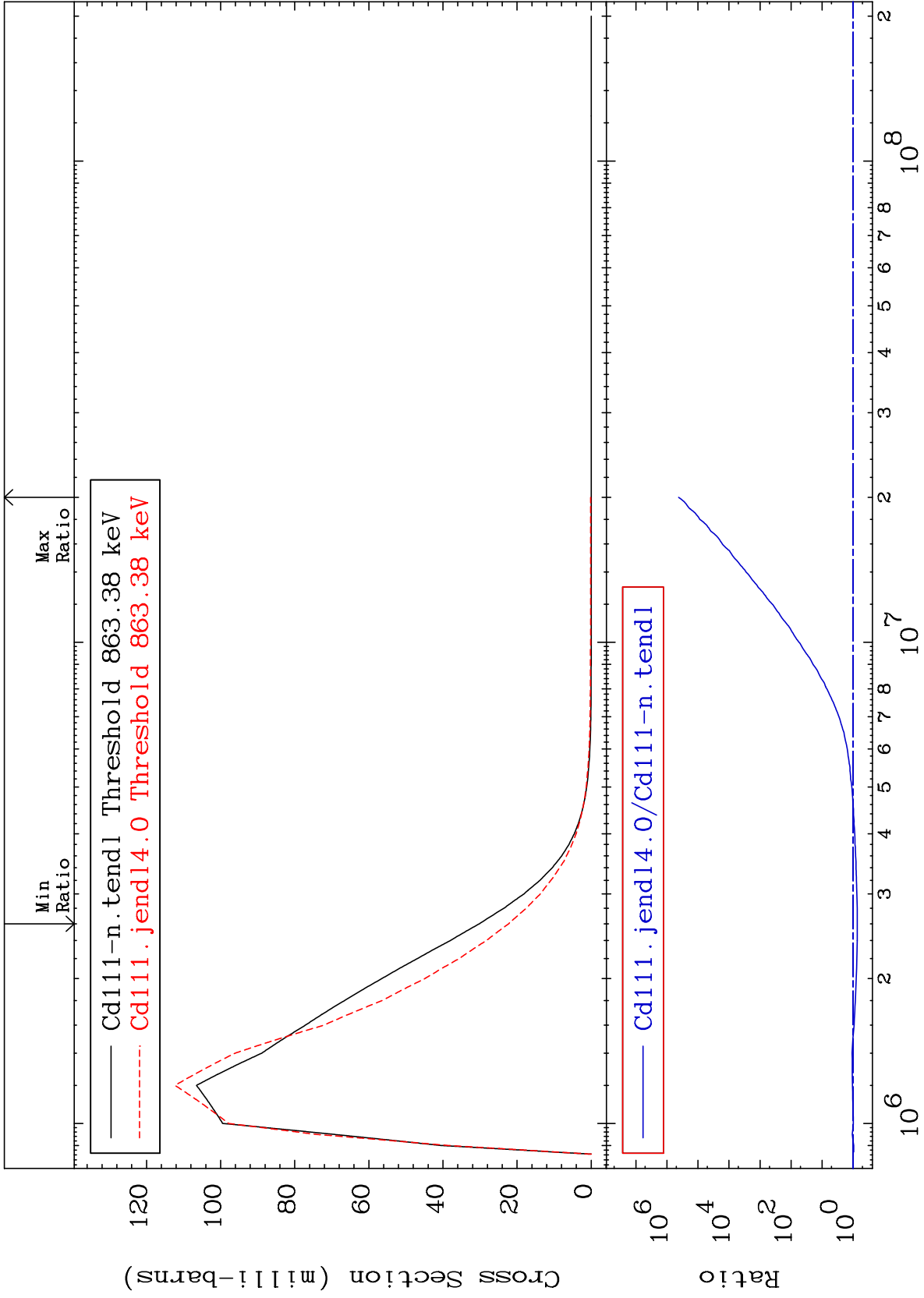
Incident Energy (eV)

48-Cd-111

MAT 4840

855.6 keV (n,n') Level  
Cross Section

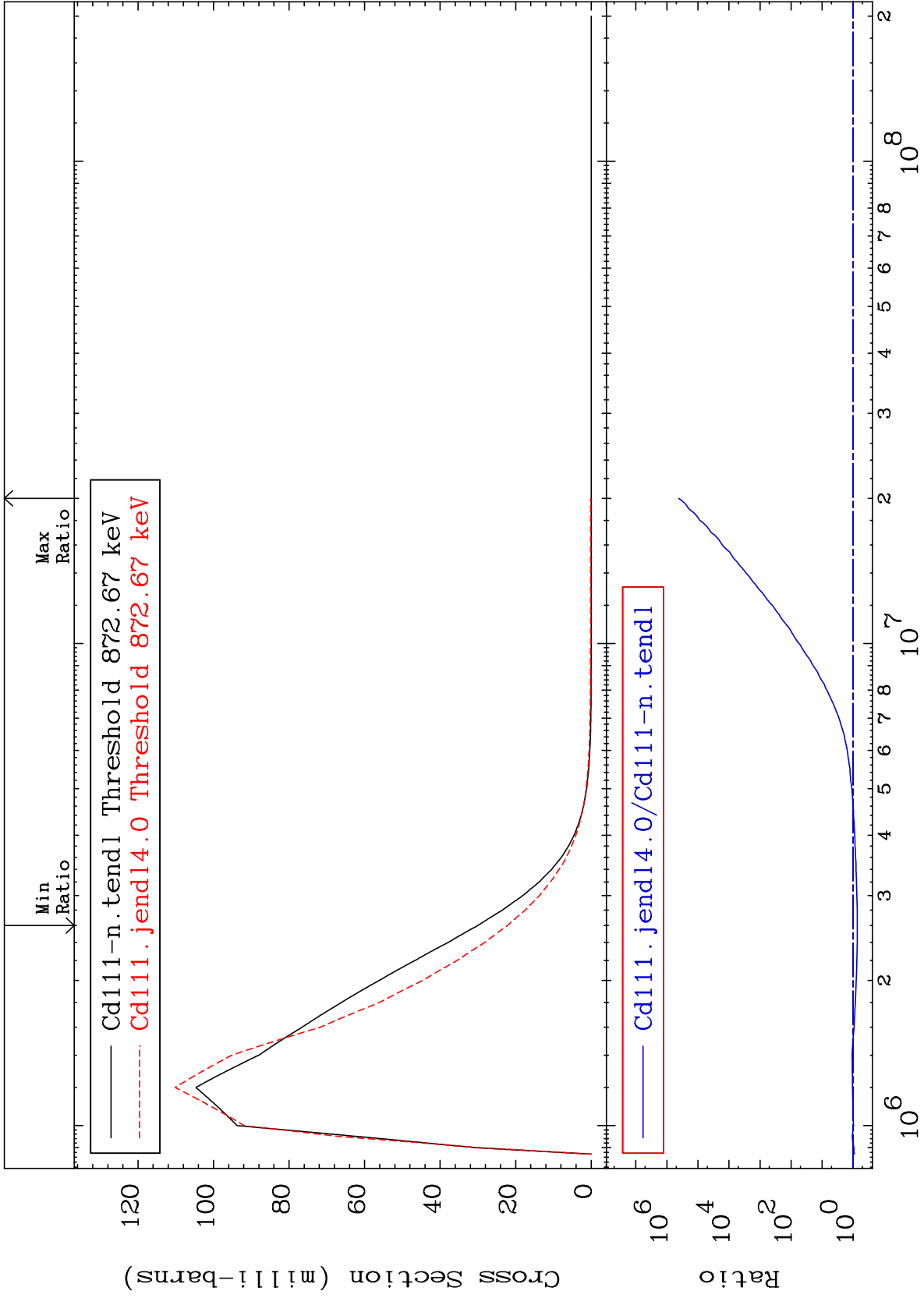
48-Cd-111  
-26.15 To 9999. %



MAT 4840

864.8 keV (n,n') Level  
Cross Section

48-Cd-111  
-26.13 To 9999. %



23

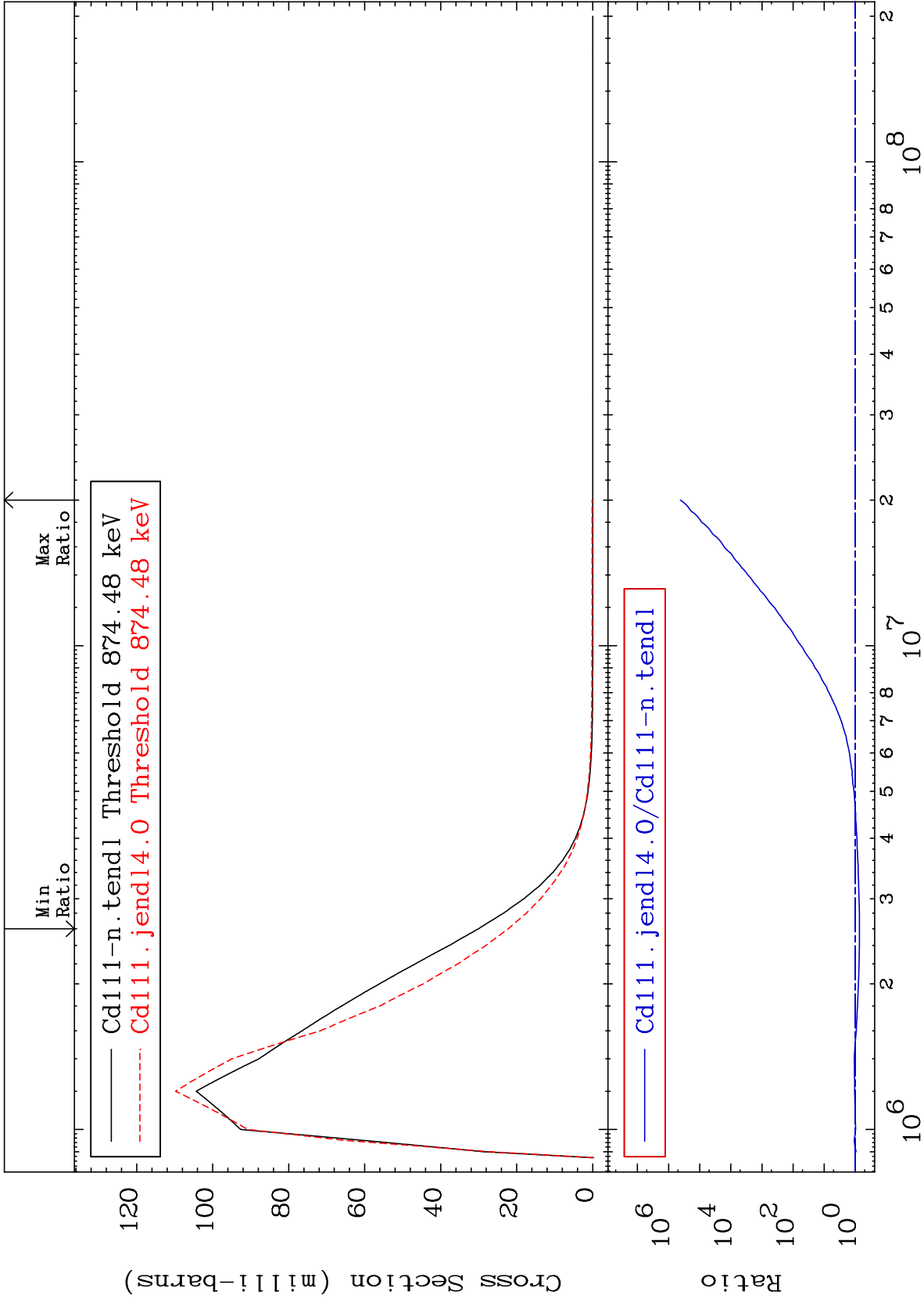
Incident Energy (eV)

48-Cd-111

MAT 4840

866.6 keV (n,n') Level  
Cross Section

48-Cd-111  
-26.11 To 9999. %



24

Incident Energy (eV)

48-Cd-111



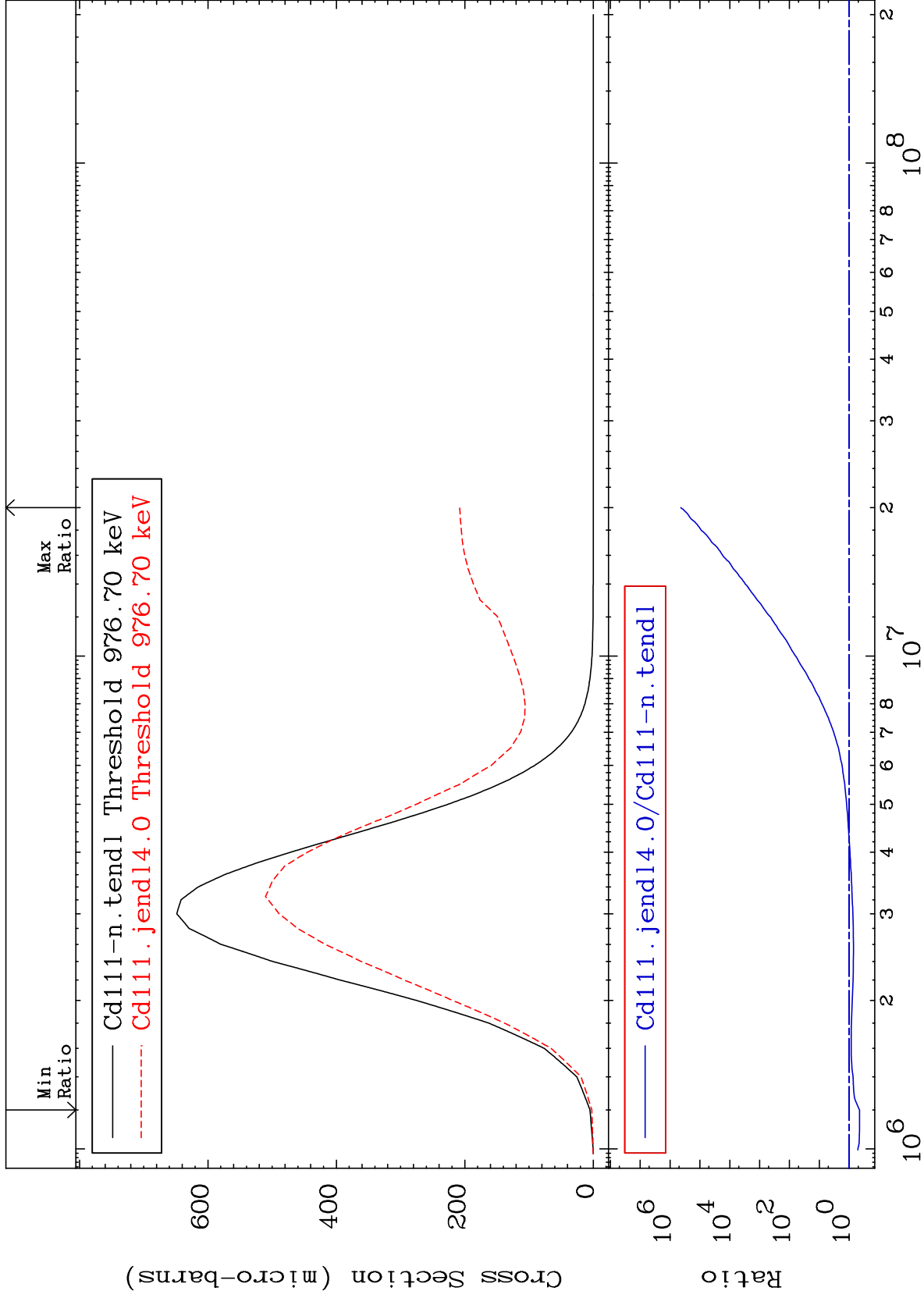
MAT 4840

967.9 keV (n,n') Level

48-Cd-111

-54.95 To 9999. %

Cross Section

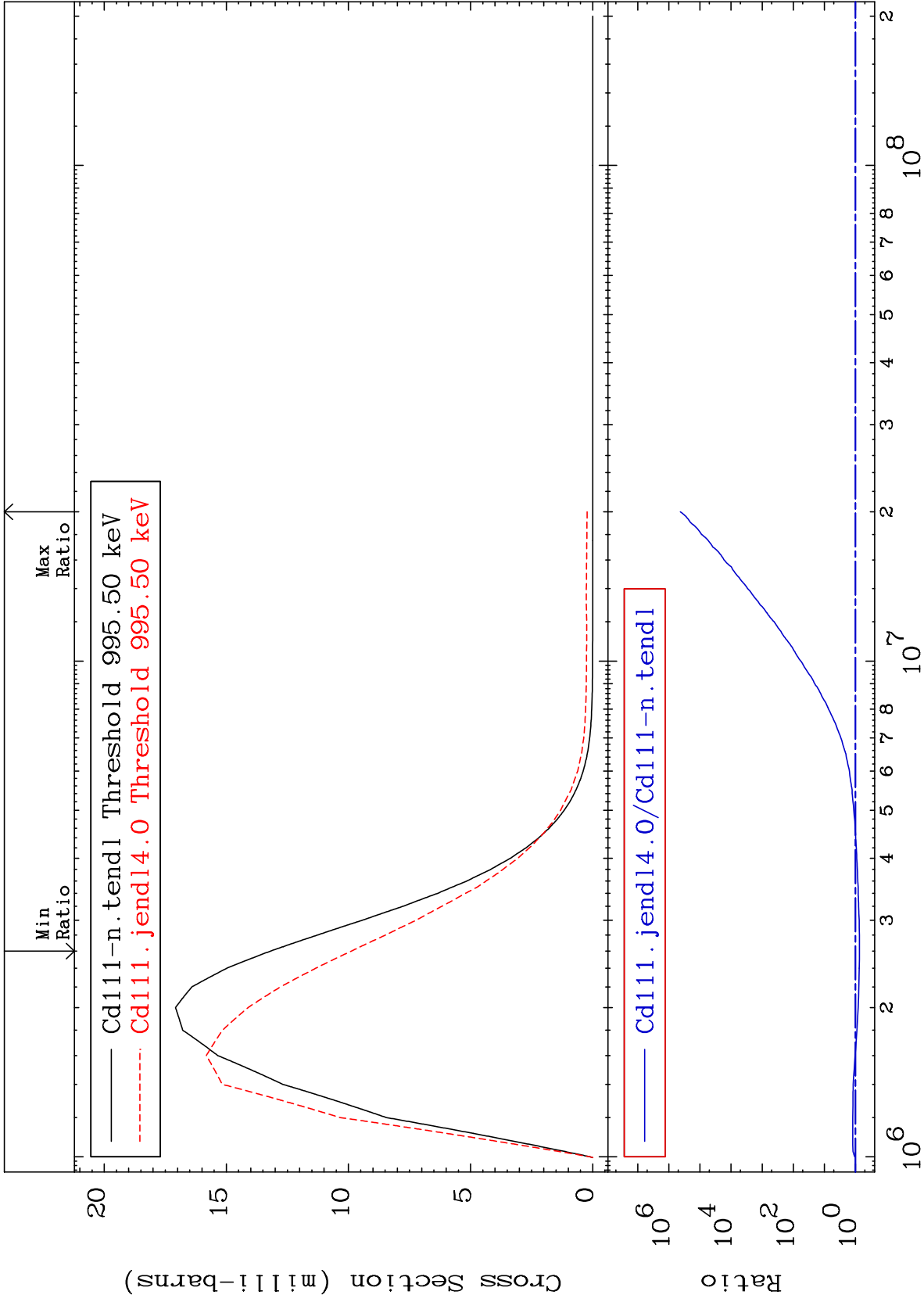


25

MAT 4840

986.5 keV (n,n') Level  
Cross Section

48-Cd-111  
-25.11 To 9999. %



26

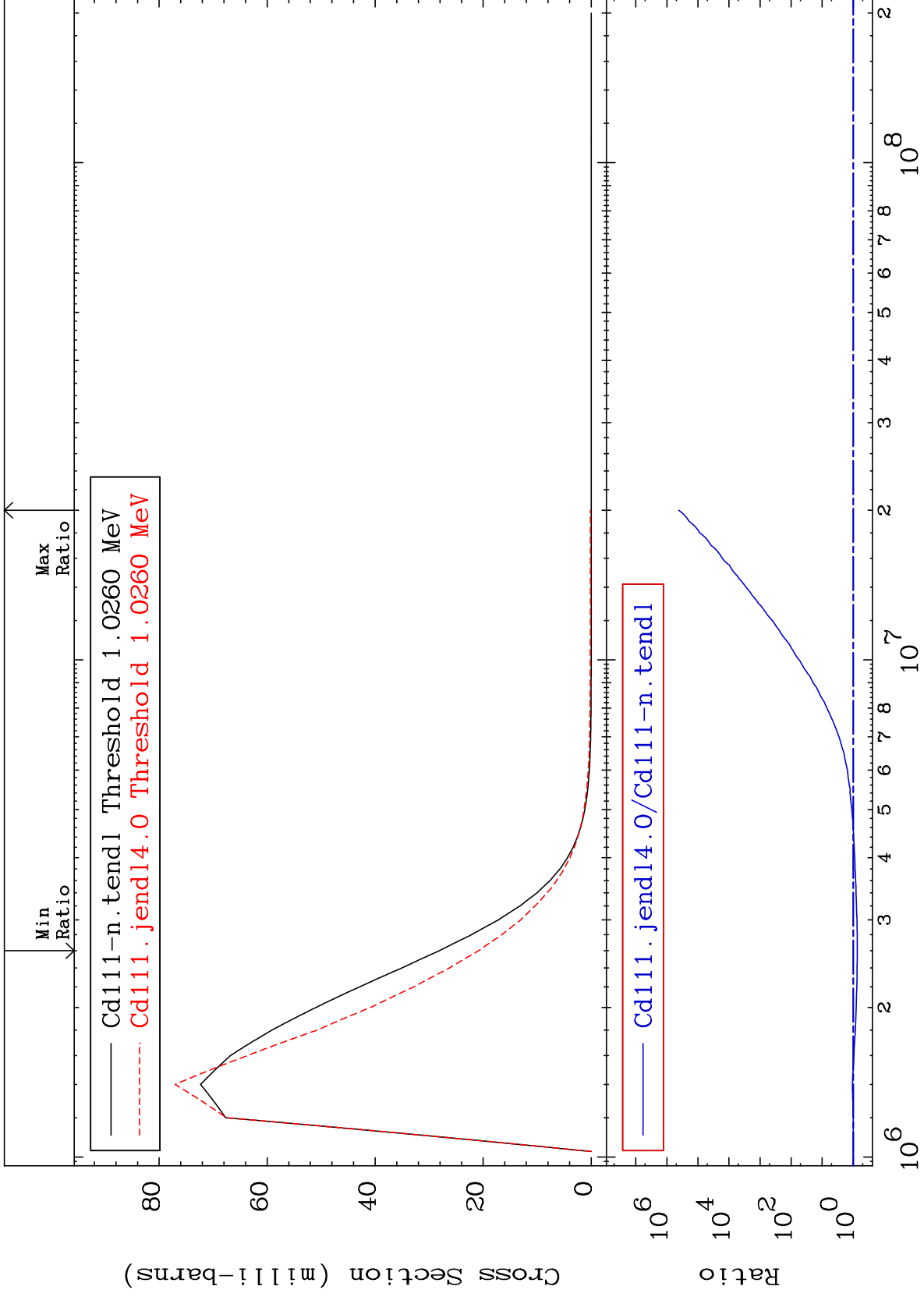
Incident Energy (eV)

48-Cd-111

MAT 4840

1.017 MeV (n,n') Level  
Cross Section

48-Cd-111  
-25.83 To 9999. %



27

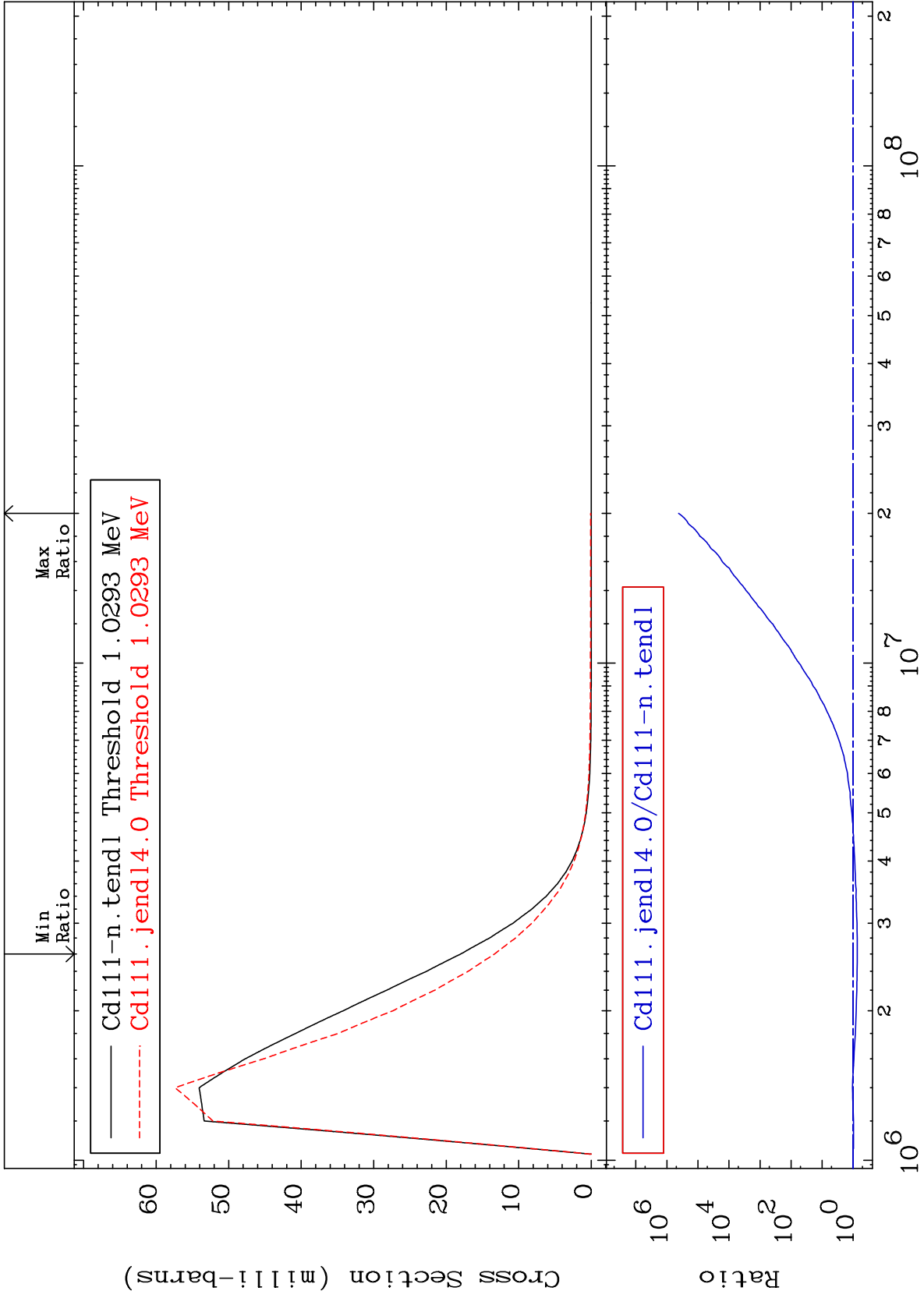
Incident Energy (eV)

48-Cd-111

MAT 4840

1.020 MeV (n,n') Level  
Cross Section

48-Cd-111  
-26.02 To 9999. %



28

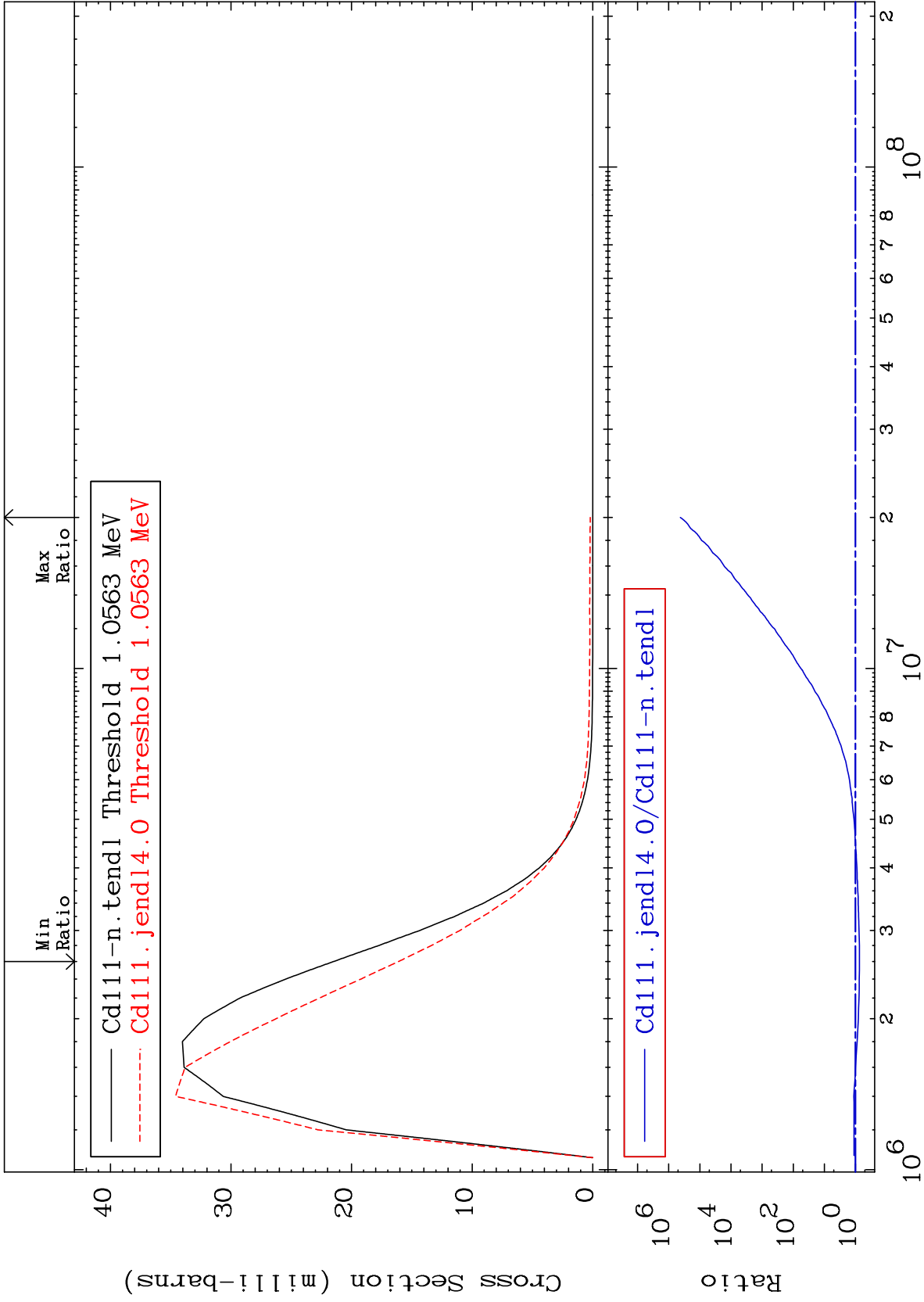
Incident Energy (eV)

48-Cd-111

MAT 4840

1.047 MeV (n,n') Level  
Cross Section

48-Cd-111  
-25.10 To 9999. %



29

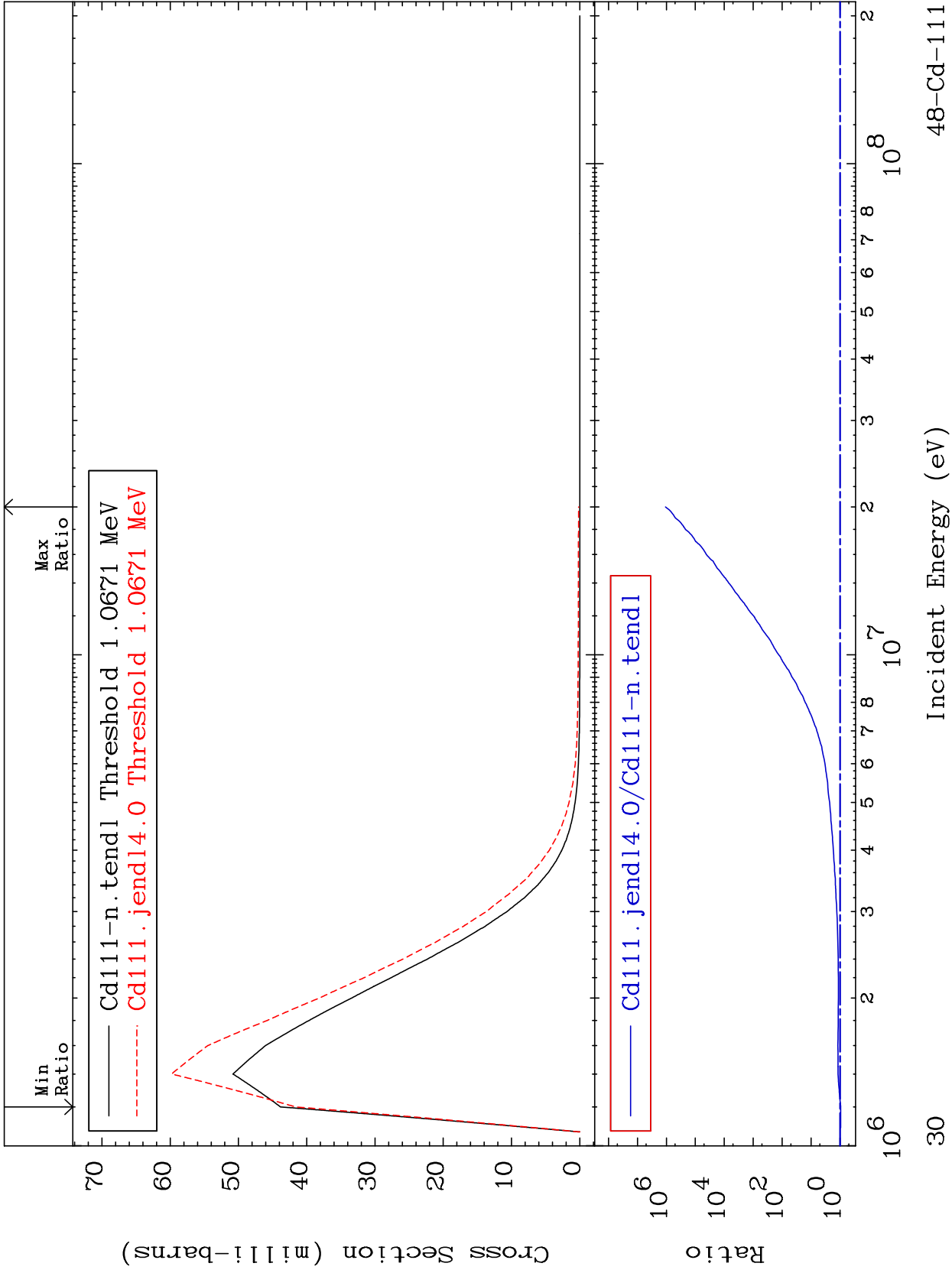
Incident Energy (eV)

48-Cd-111

MAT 4840

1.057 MeV (n,n') Level  
Cross Section

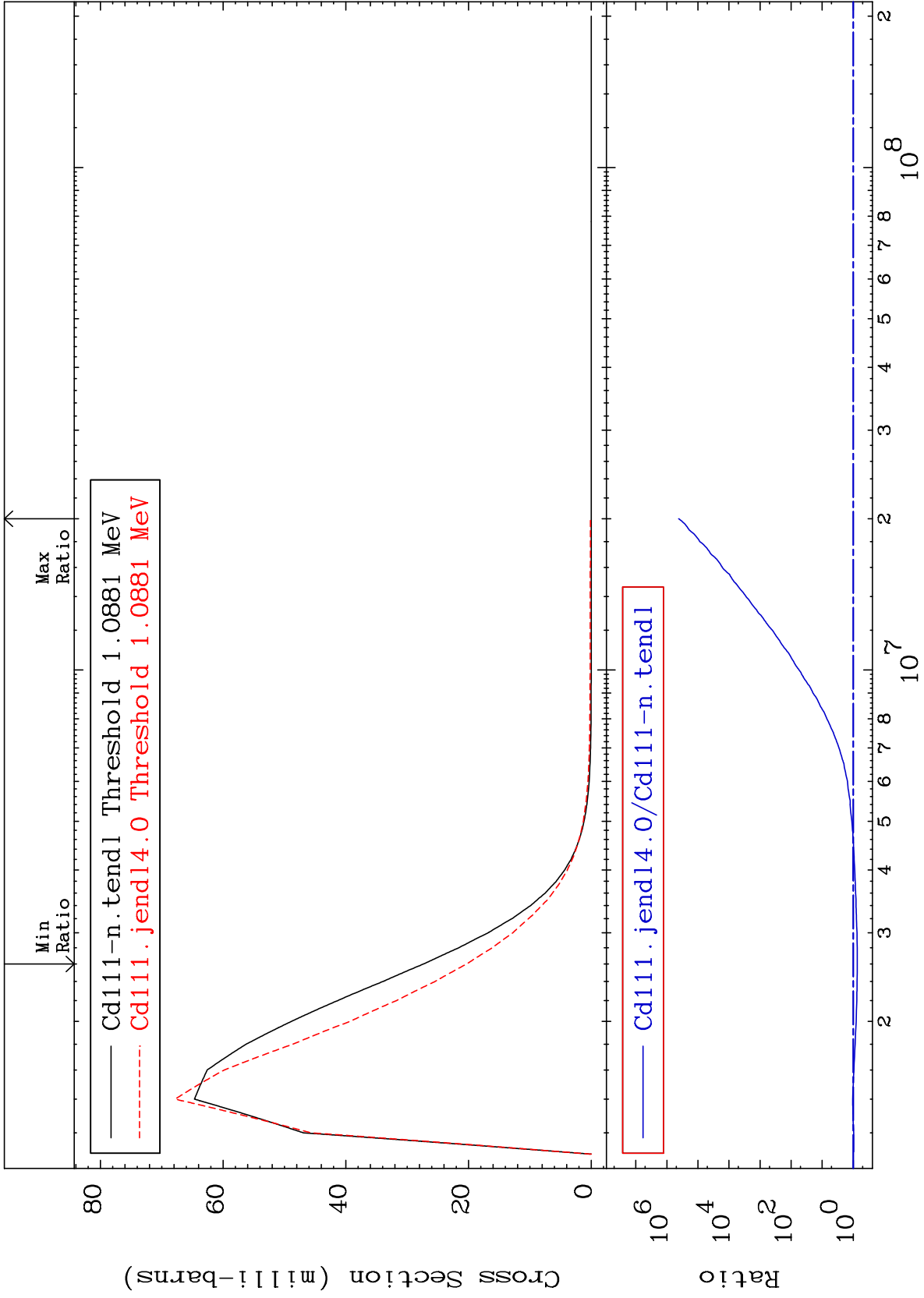
48-Cd-111  
-5.085 To 9999. %



MAT 4840

1.078 MeV (n,n') Level  
Cross Section

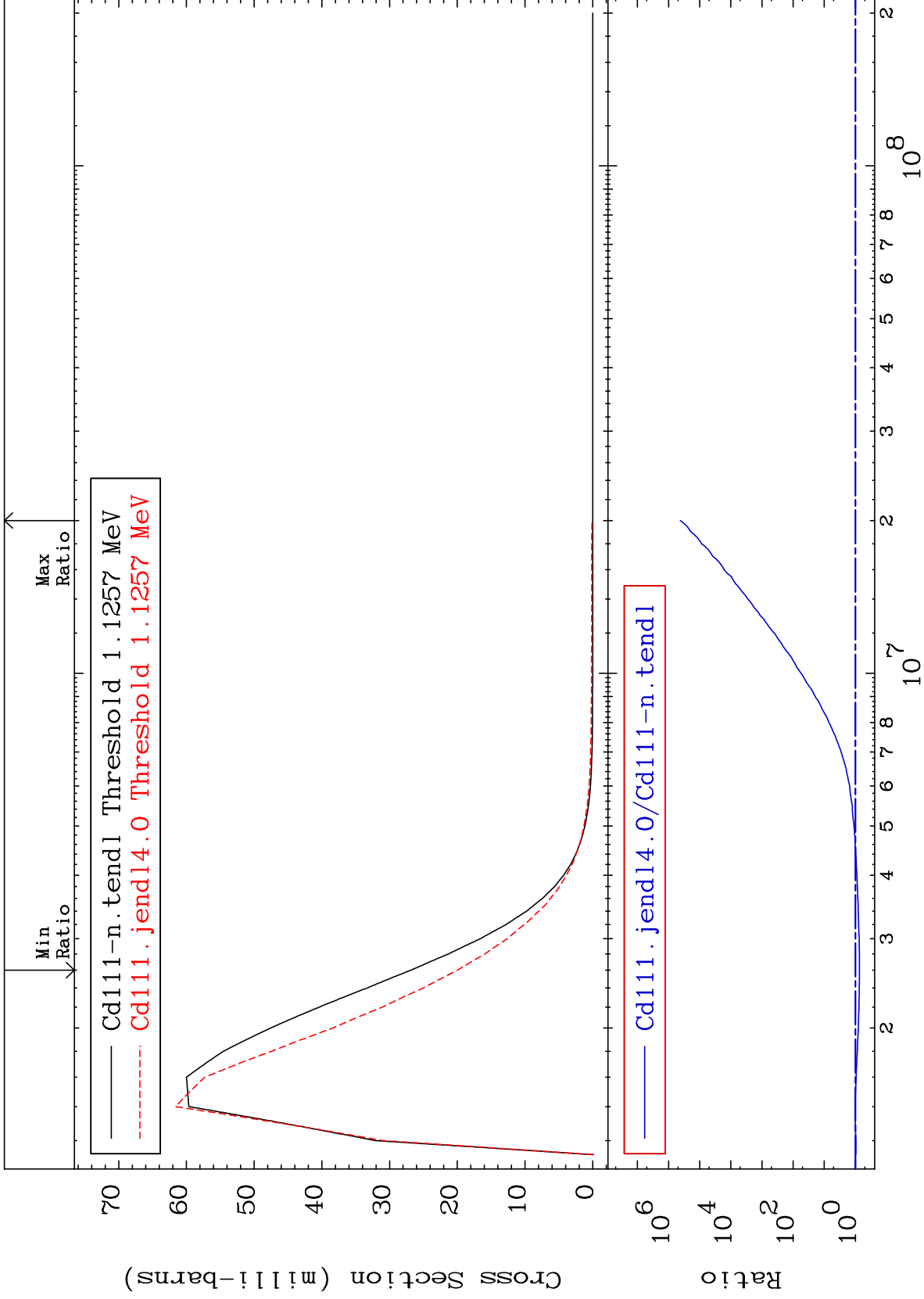
48-Cd-111  
-25.68 To 9999. %



MAT 4840

1.116 MeV (n,n') Level  
Cross Section

48-Cd-111  
-25.60 To 9999. %

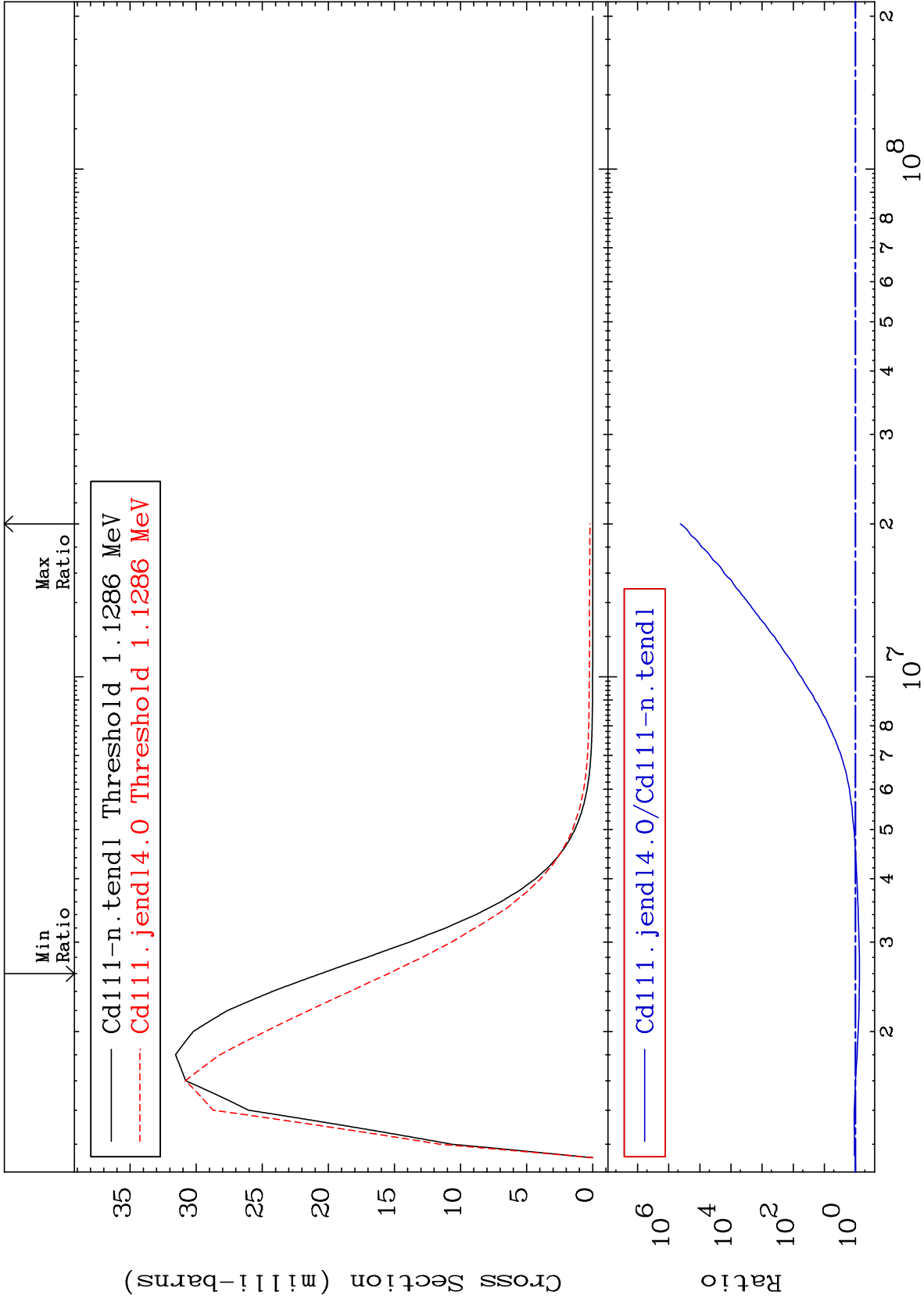




MAT 4840

1.118 MeV (n,n') Level  
Cross Section

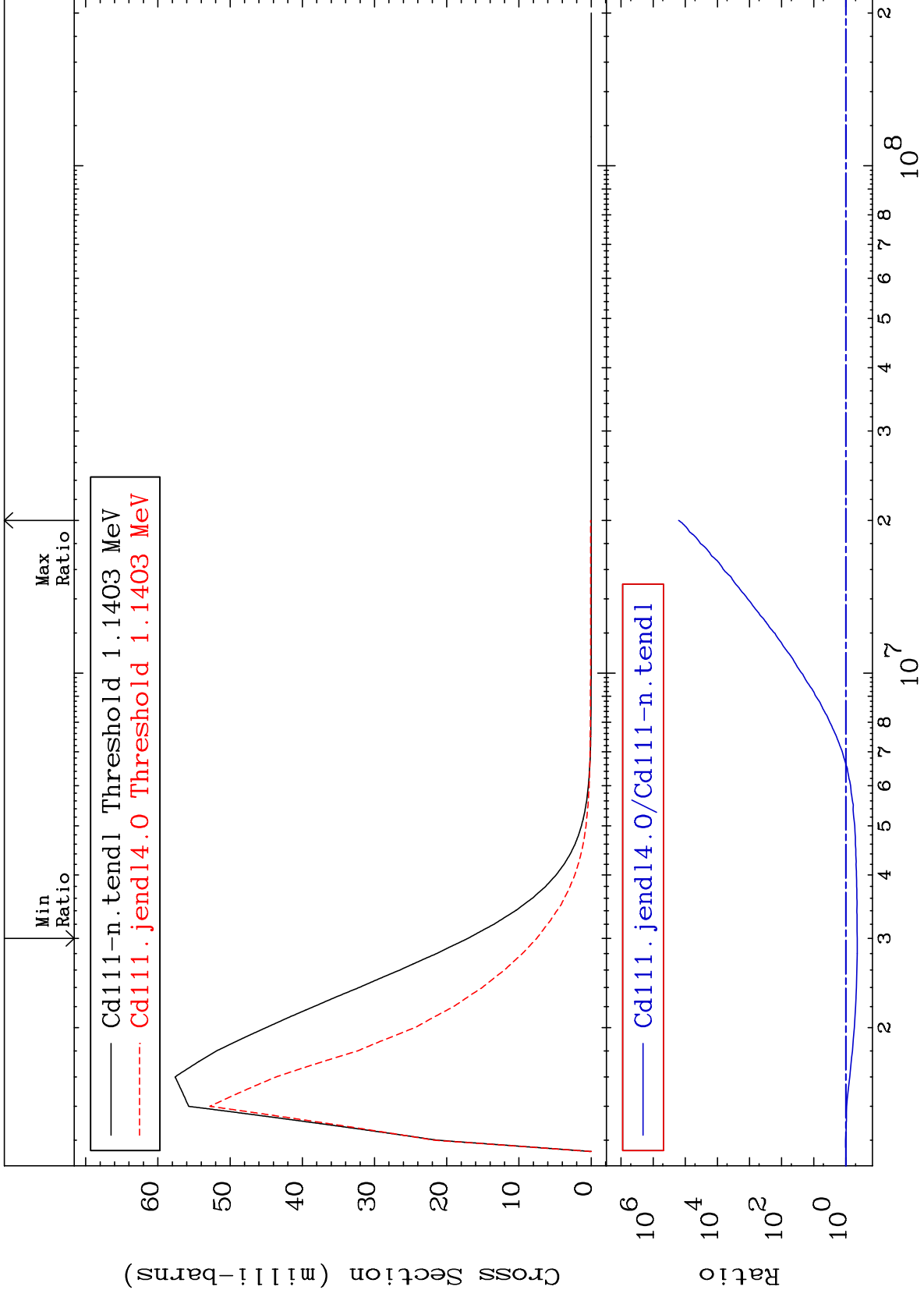
48-Cd-111  
-24.92 To 9999. %



MAT 4840

1.130 MeV (n,n') Level  
Cross Section

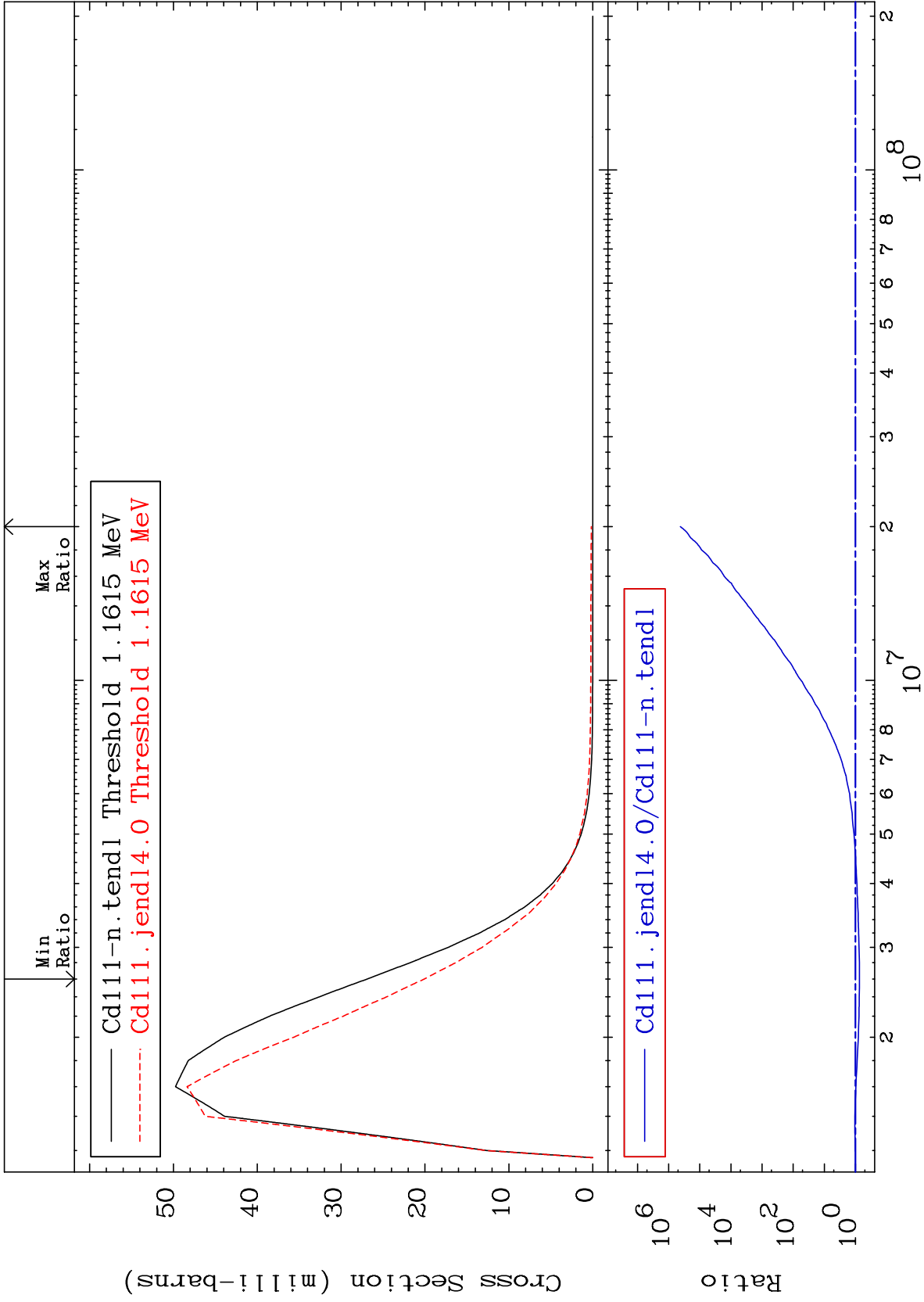
48-Cd-111  
-55.81 To 9999. %



MAT 4840

1.151 MeV (n,n') Level  
Cross Section

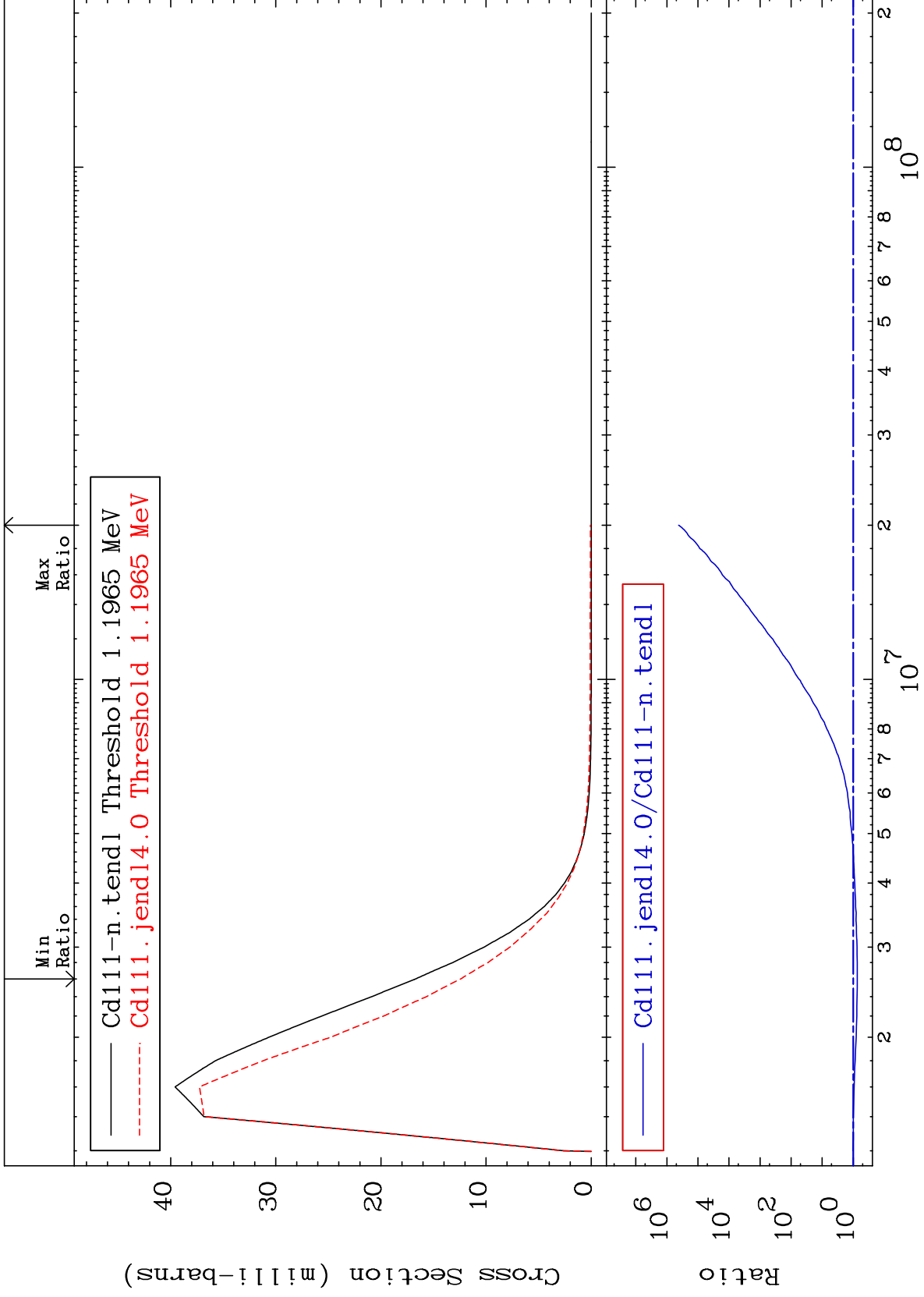
48-Cd-111  
-25.30 To 9999. %



MAT 4840

1.186 MeV (n,n') Level  
Cross Section

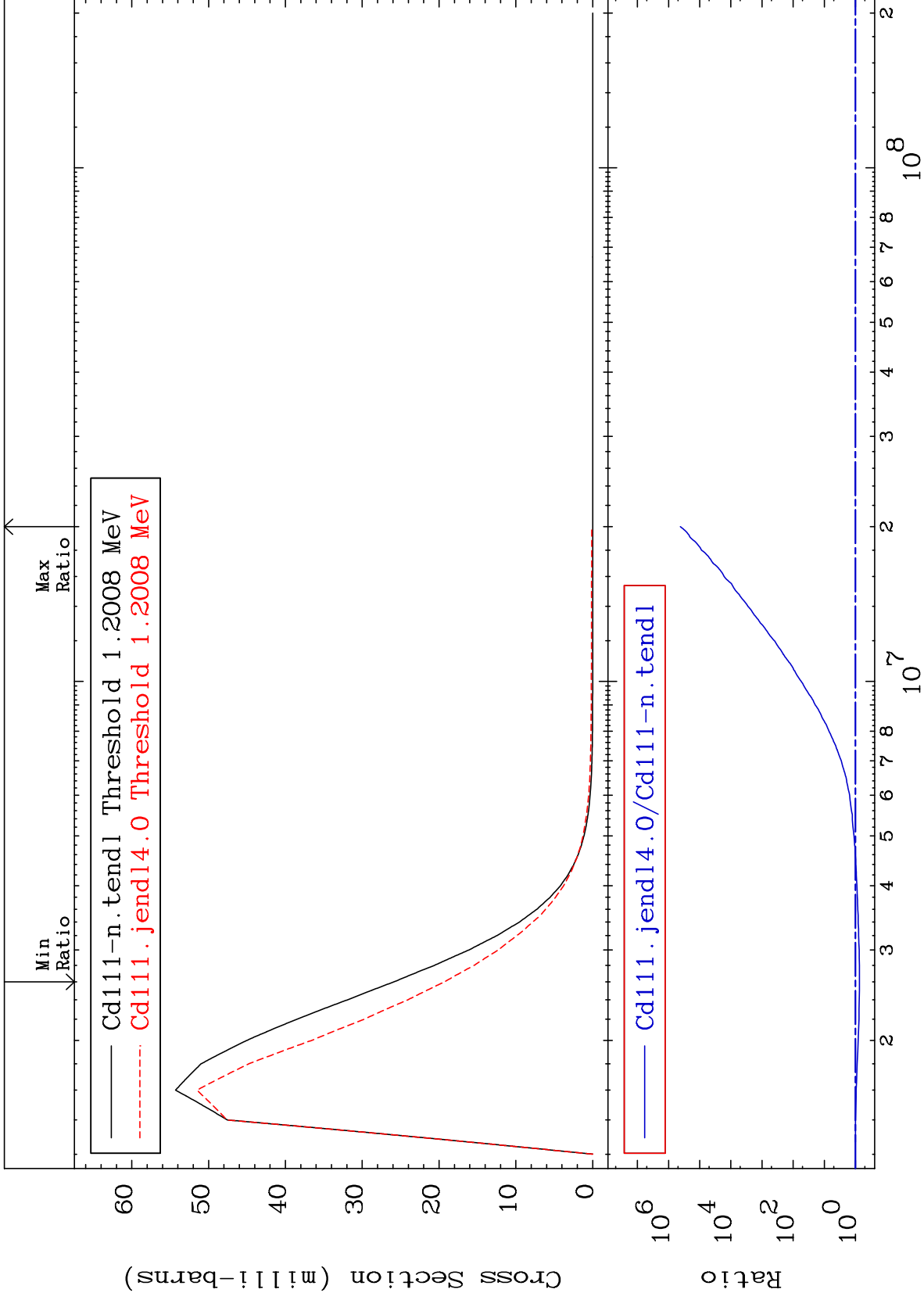
48-Cd-111  
-25.66 To 9999. %



MAT 4840

1.190 MeV (n,n') Level  
Cross Section

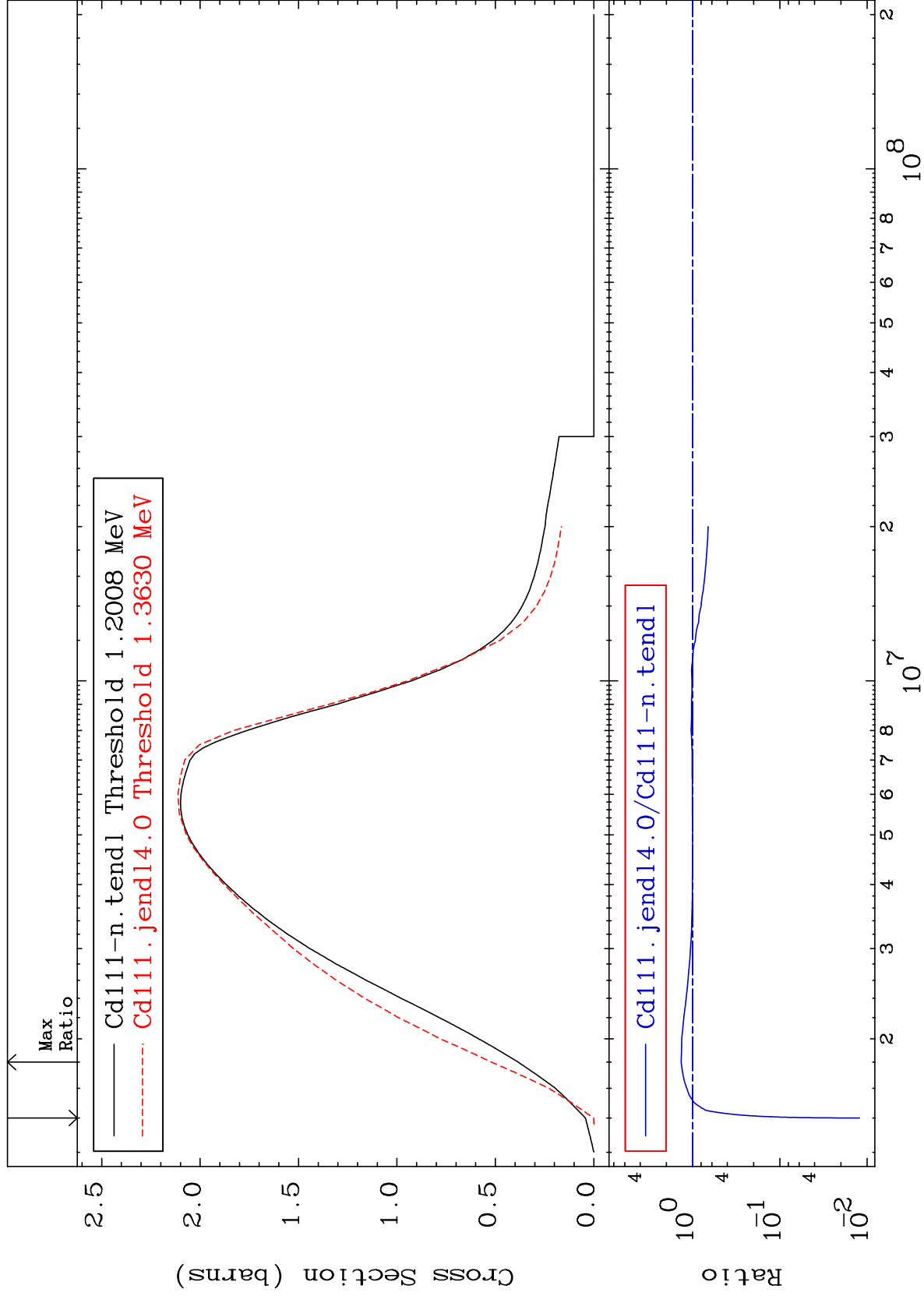
48-Cd-111  
-25.41 To 9999. %



MAT 4840

(n, n') Continuum  
Cross Section

48-Cd-111  
-98.78 To 35.26 %



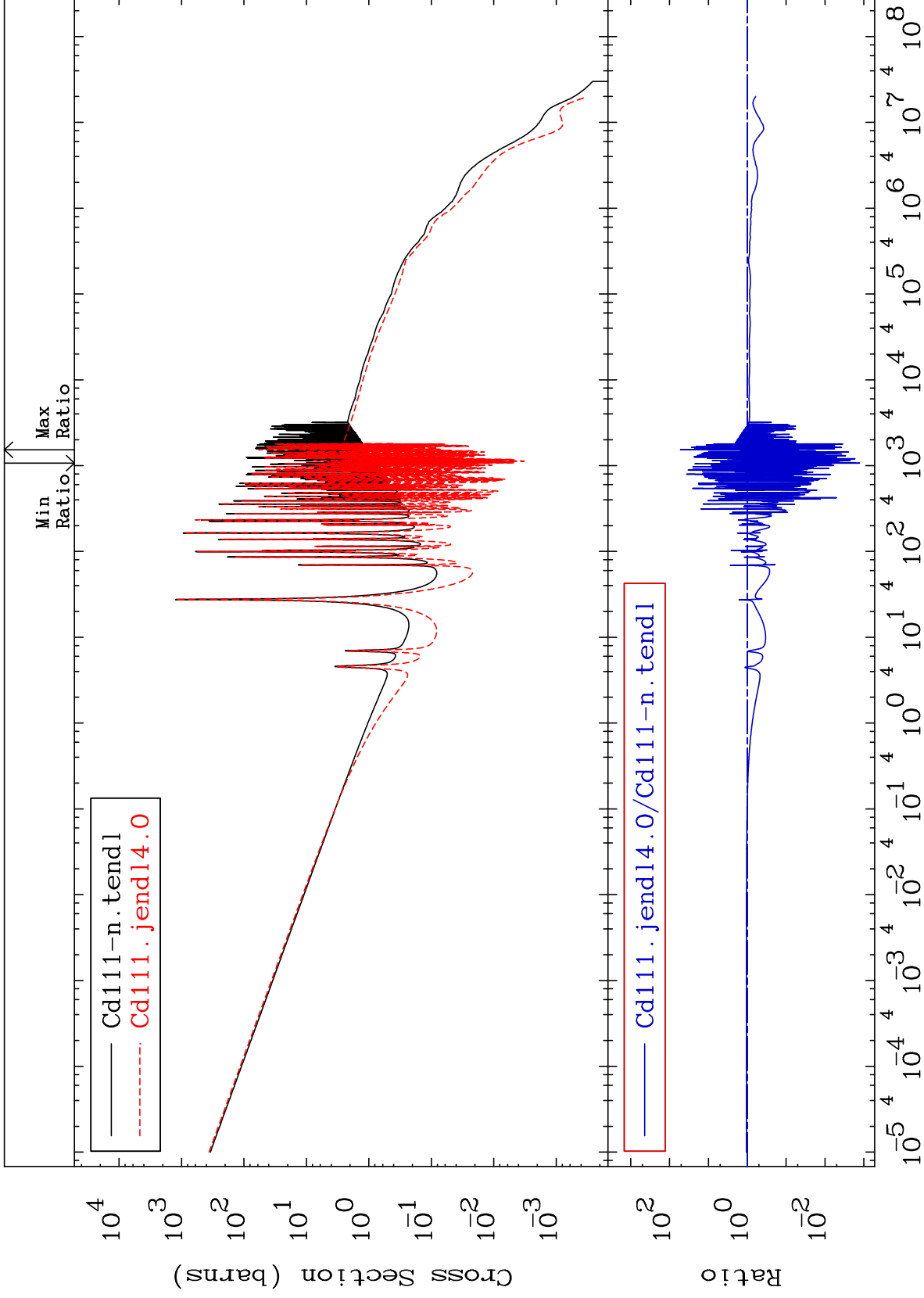
MAT 4840

(n,  $\gamma$ )

48-Cd-111

Cross Section

-99.87 To 5160. %



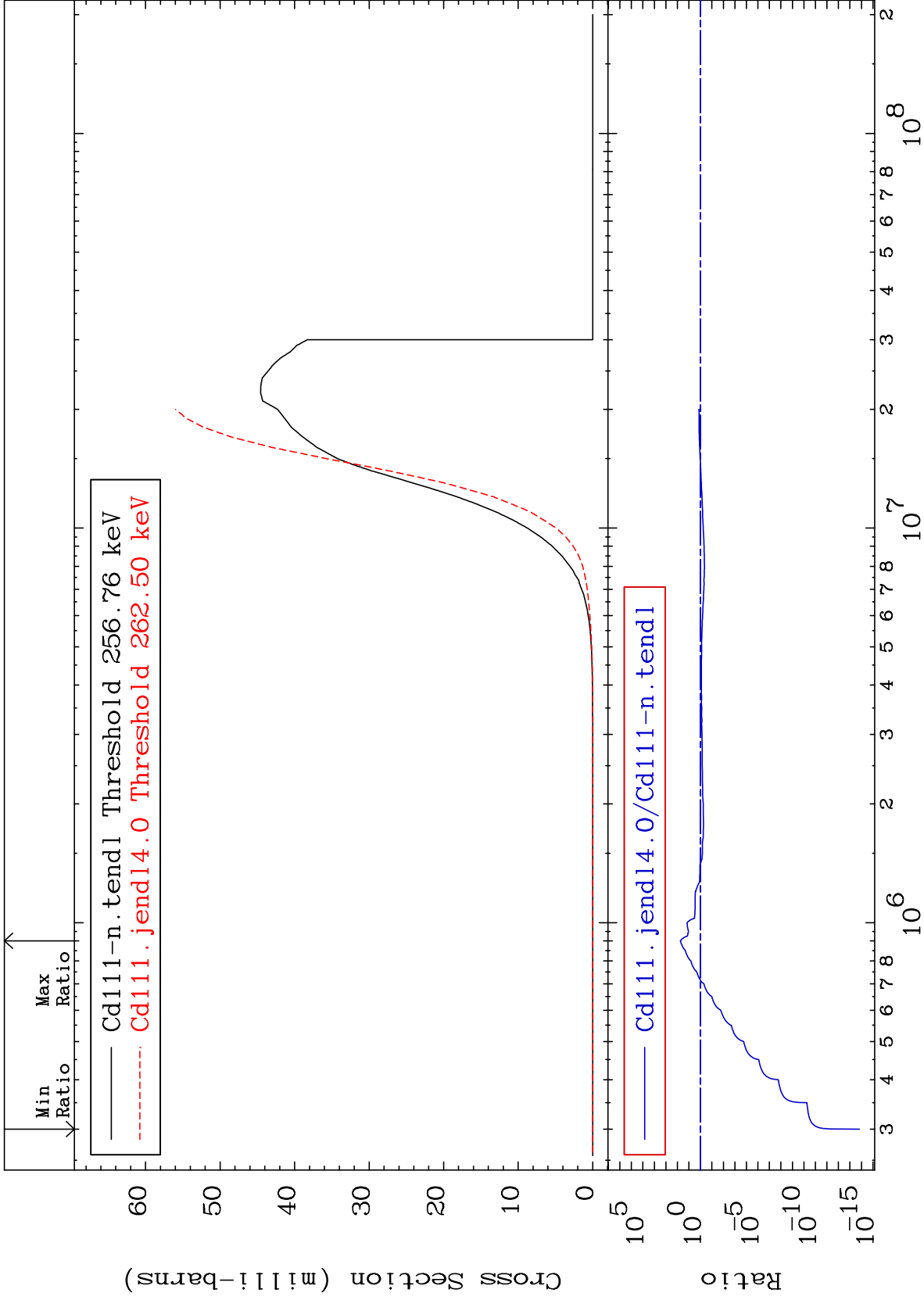
MAT 4840

(n,p)

48-Cd-111

Cross Section

-100.0 To 5392. %



40

Incident Energy (eV)

48-Cd-111



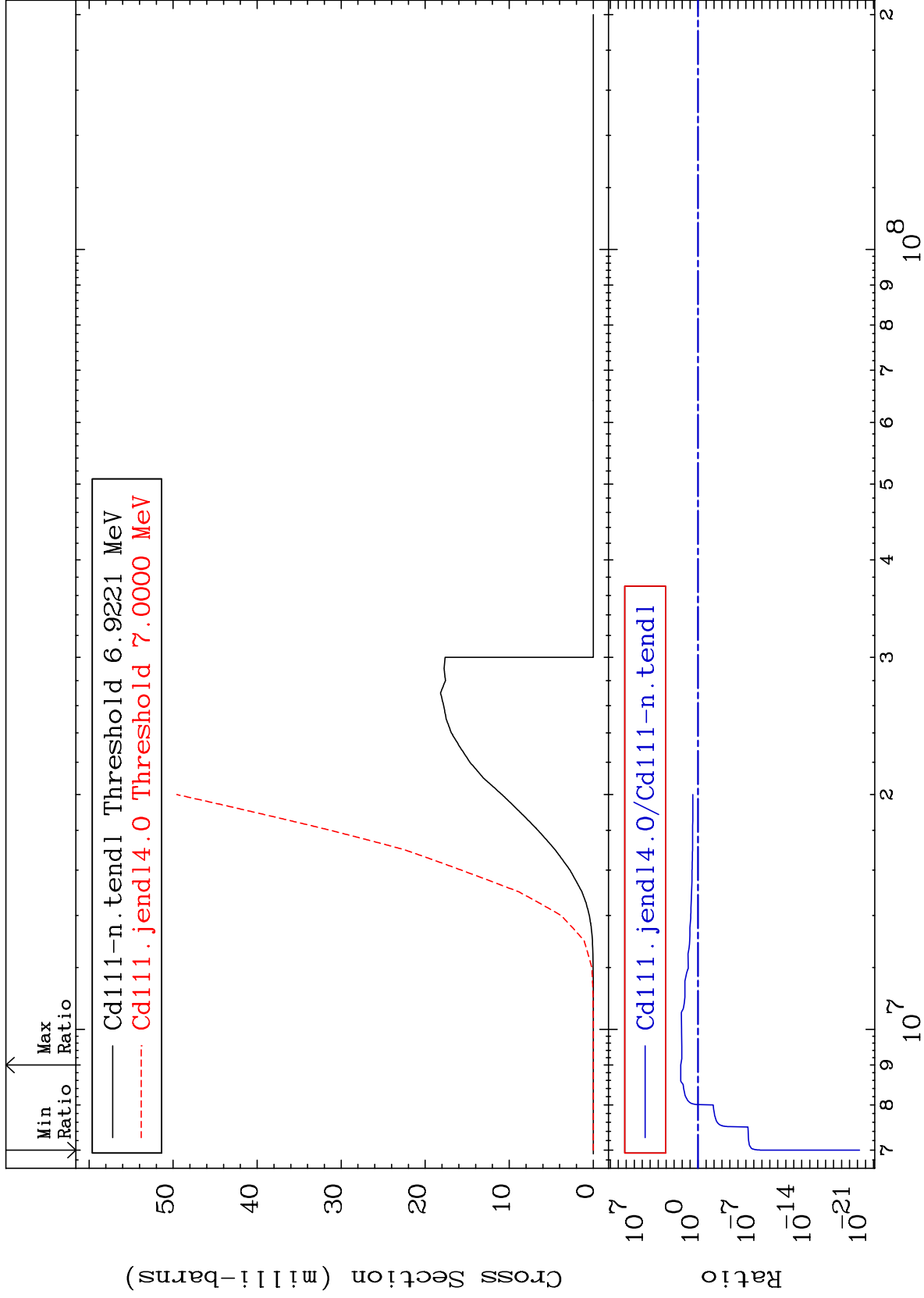
MAT 4840

(n, d)

48-Cd-111

Cross Section

-100.0 To 9999. %



41

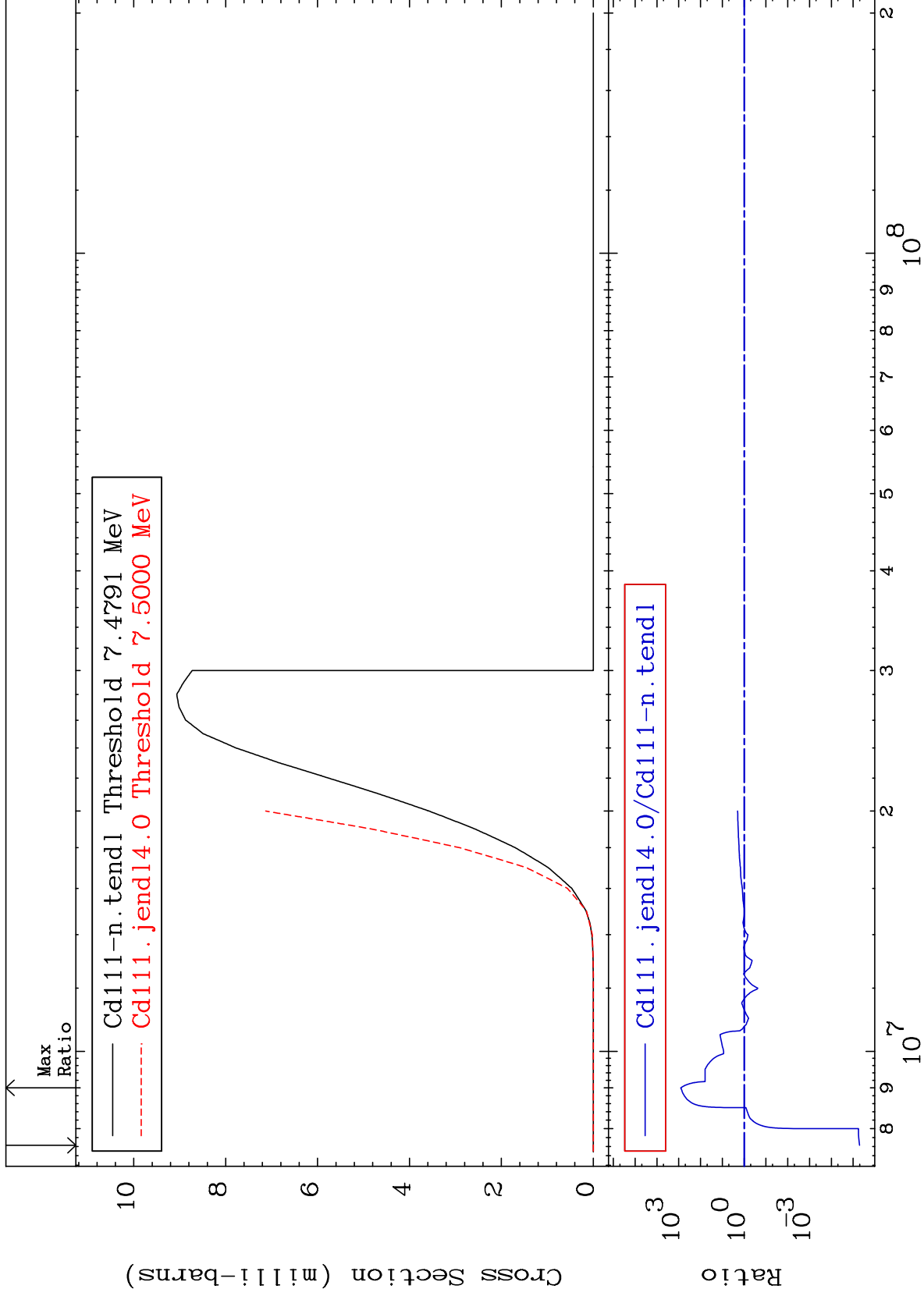
Incident Energy (eV)

48-Cd-111

MAT 4840

(n, t)  
Cross Section

48-Cd-111  
-100.0 To 9999. %



42

Incident Energy (eV)

48-Cd-111

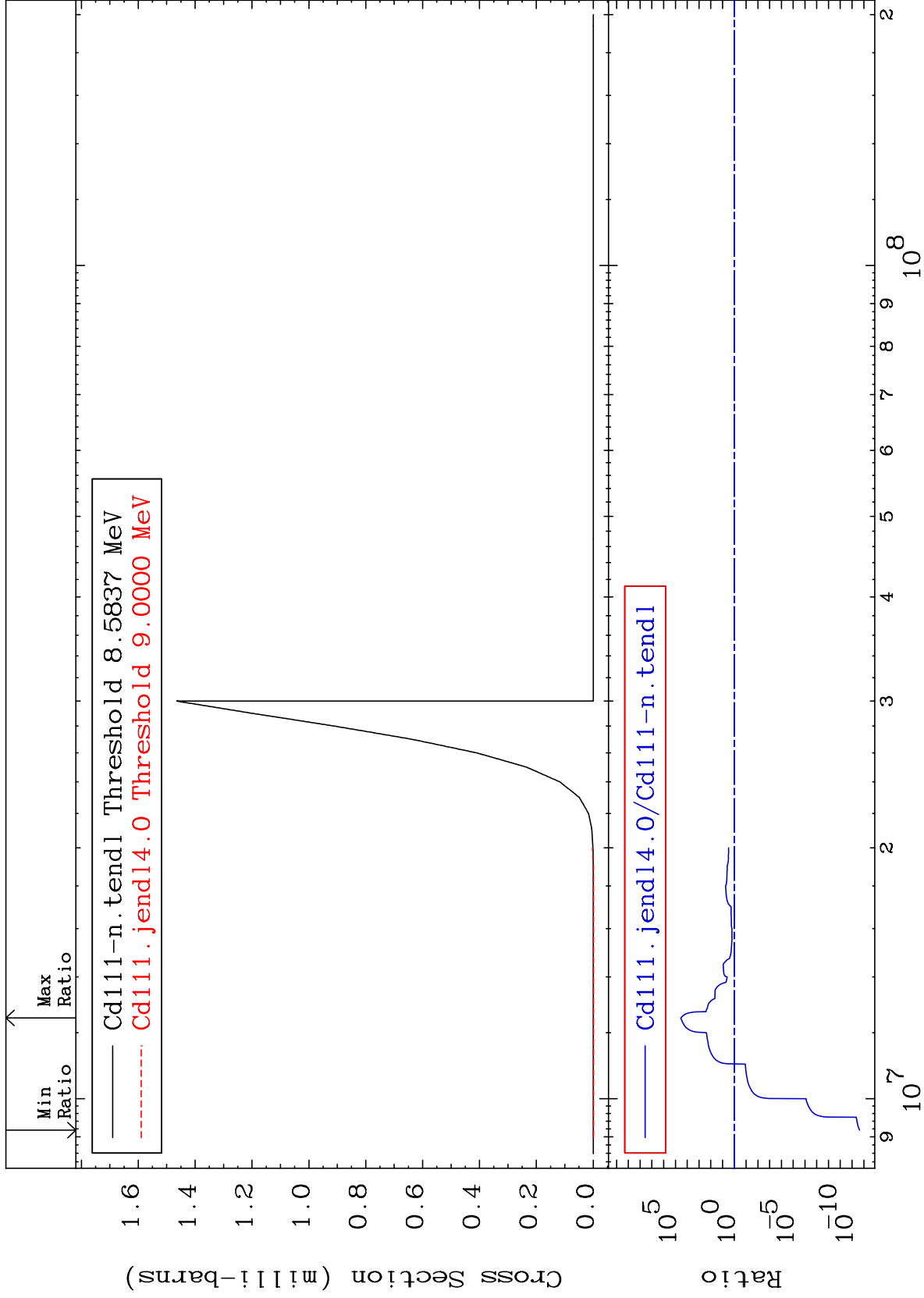
MAT 4840

(n,He-3)

48-Cd-111

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

48-Cd-111

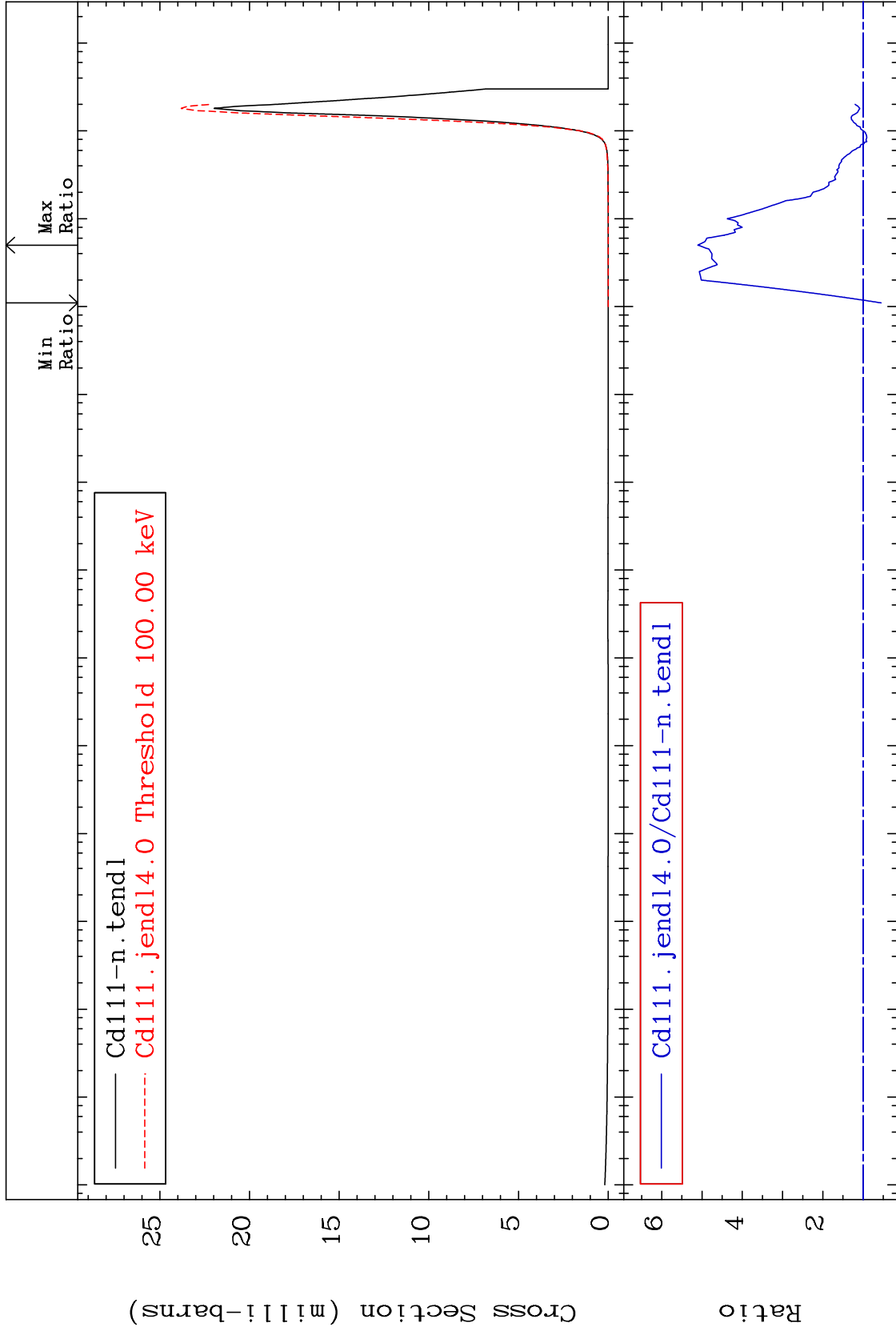
MAT 4840

(n,  $\alpha$ )

48-Cd-111

Cross Section

-44.64 To 410.3 %



44

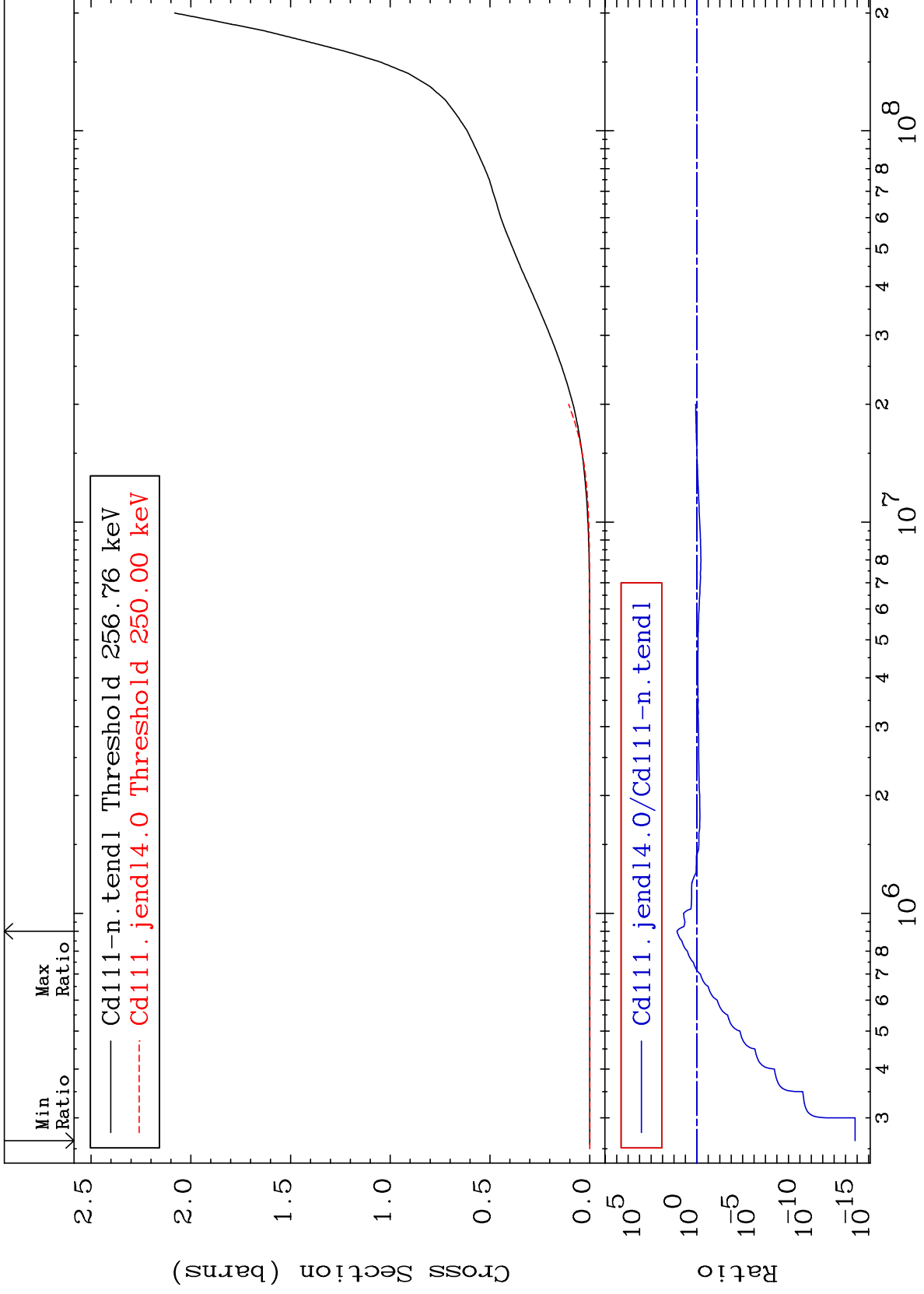
Incident Energy (eV)

48-Cd-111

MAT 4840

Hydrogen Production  
Cross Section

48-Cd-111  
-100.0 To 5392. %



45

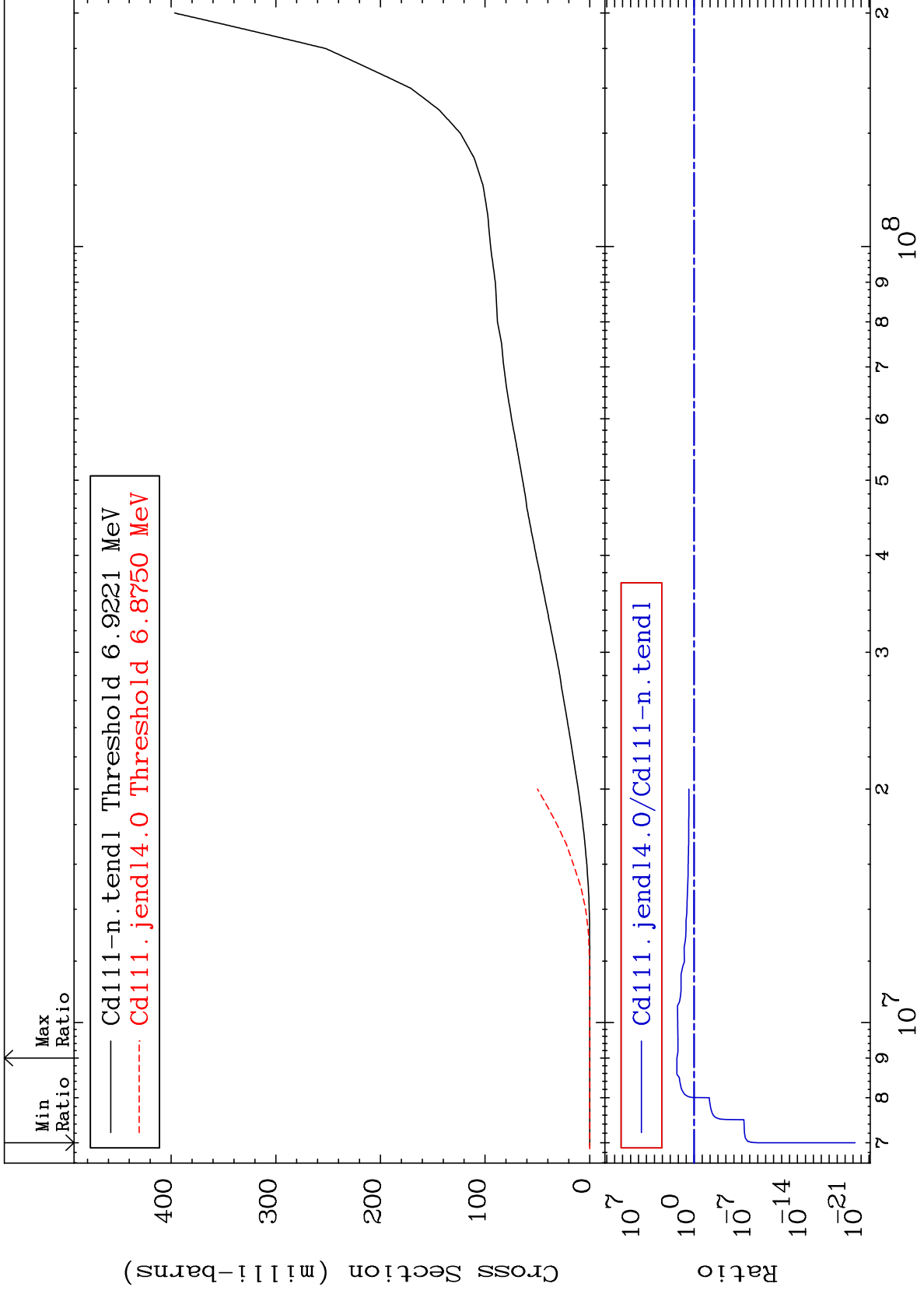
Incident Energy (eV)

48-Cd-111

MAT 4840

Deuterium Production  
Cross Section

48-Cd-111  
-100.0 To 9999. %



46

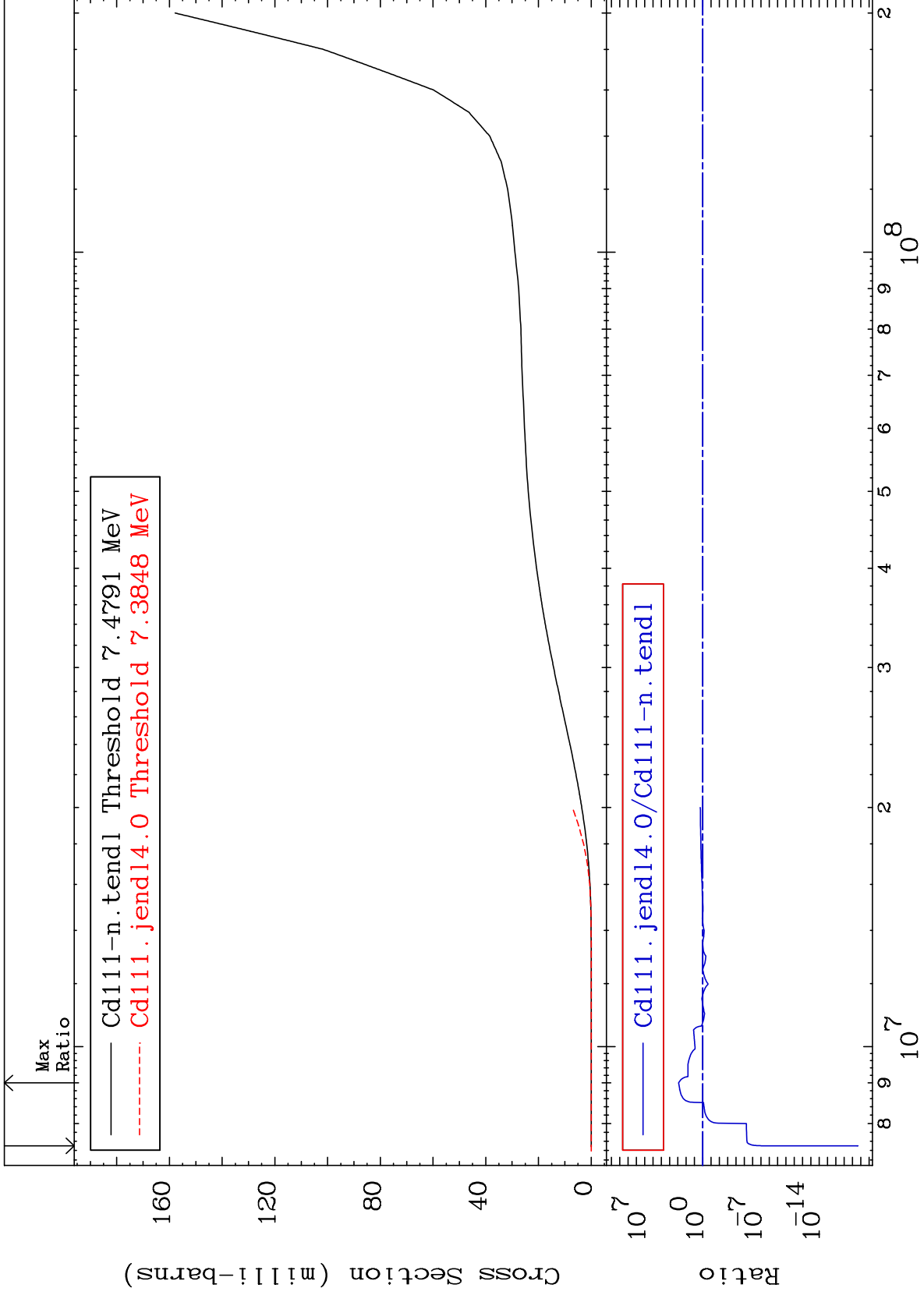
Incident Energy (eV)

48-Cd-111

MAT 4840

Tritium Production  
Cross Section

48-Cd-111  
-100.0 To 9999. %



47

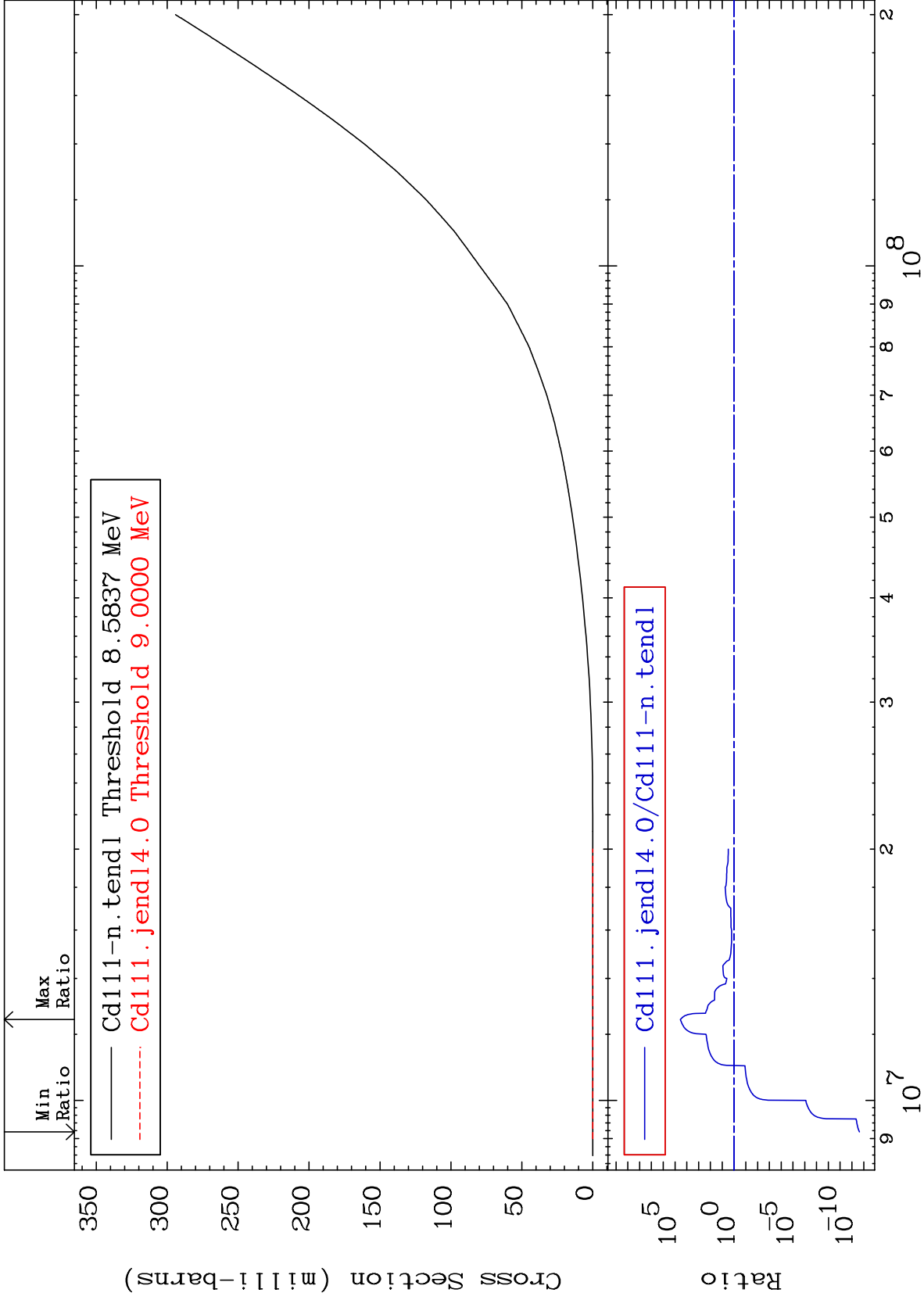
Incident Energy (eV)

48-Cd-111

MAT 4840

He-3 Production  
Cross Section

48-Cd-111  
-100.0 To 9999. %



48

Incident Energy (eV)

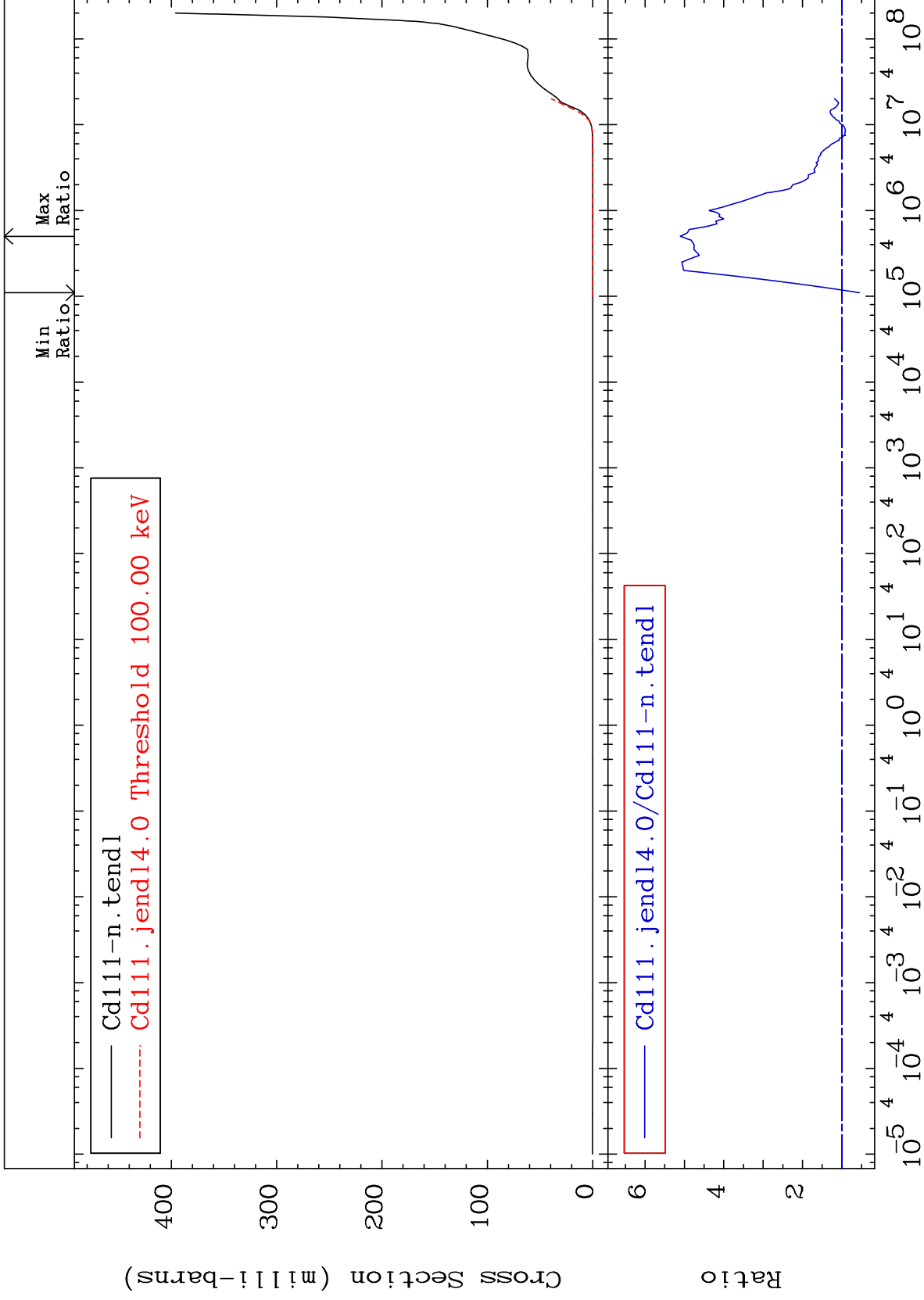
48-Cd-111



MAT 4840

He-4 Production  
Cross Section

48-Cd-111  
-44.64 To 410.3 %



49

Incident Energy (eV)

48-Cd-111

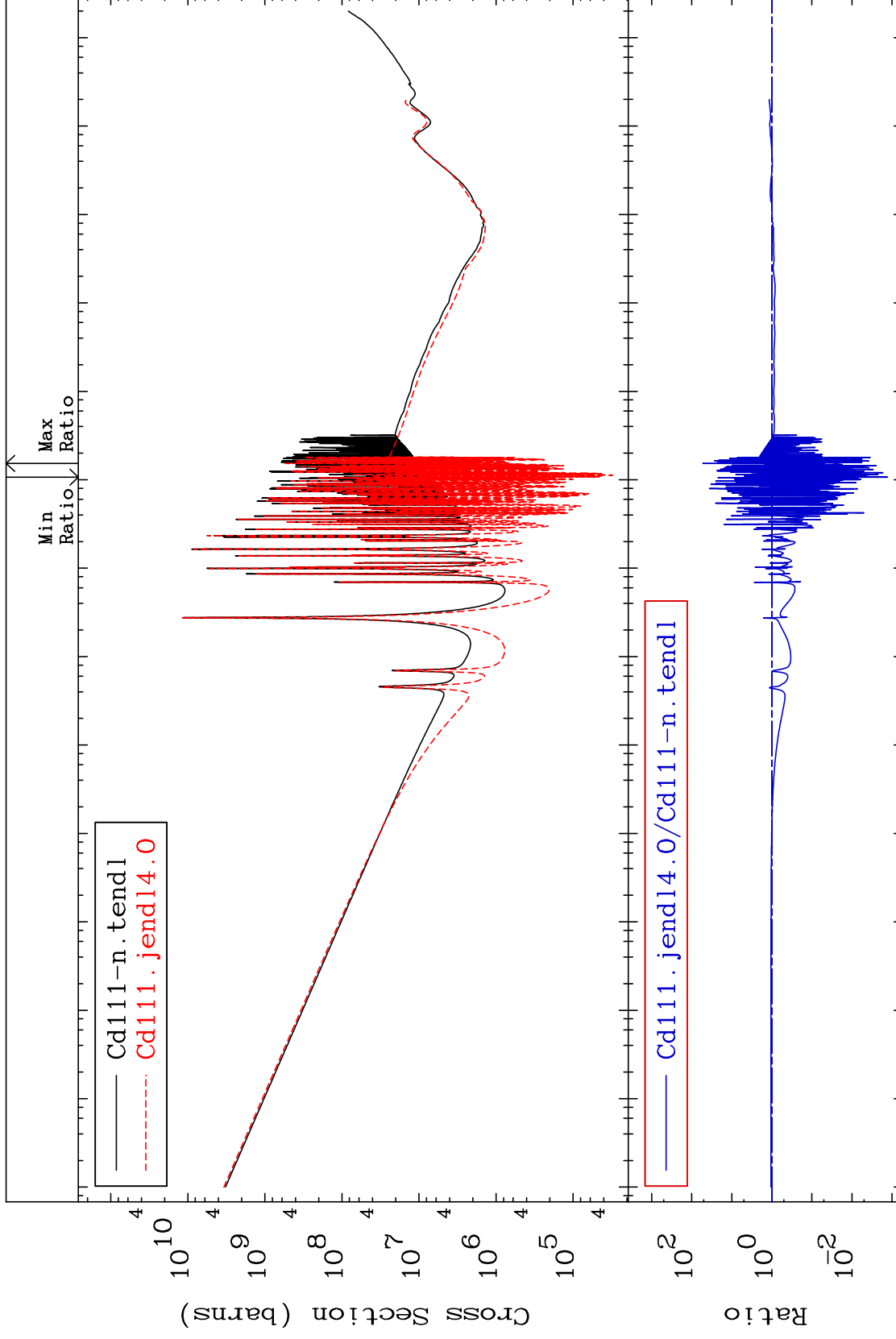
MAT 4840

Kerma total (eV-barns)

48-Cd-111

Cross Section

-99.87 To 5160. %



Cd111-n.tendl  
Cd111.jendl4.0

Cd111.jendl4.0/Cd111-n.tendl

50

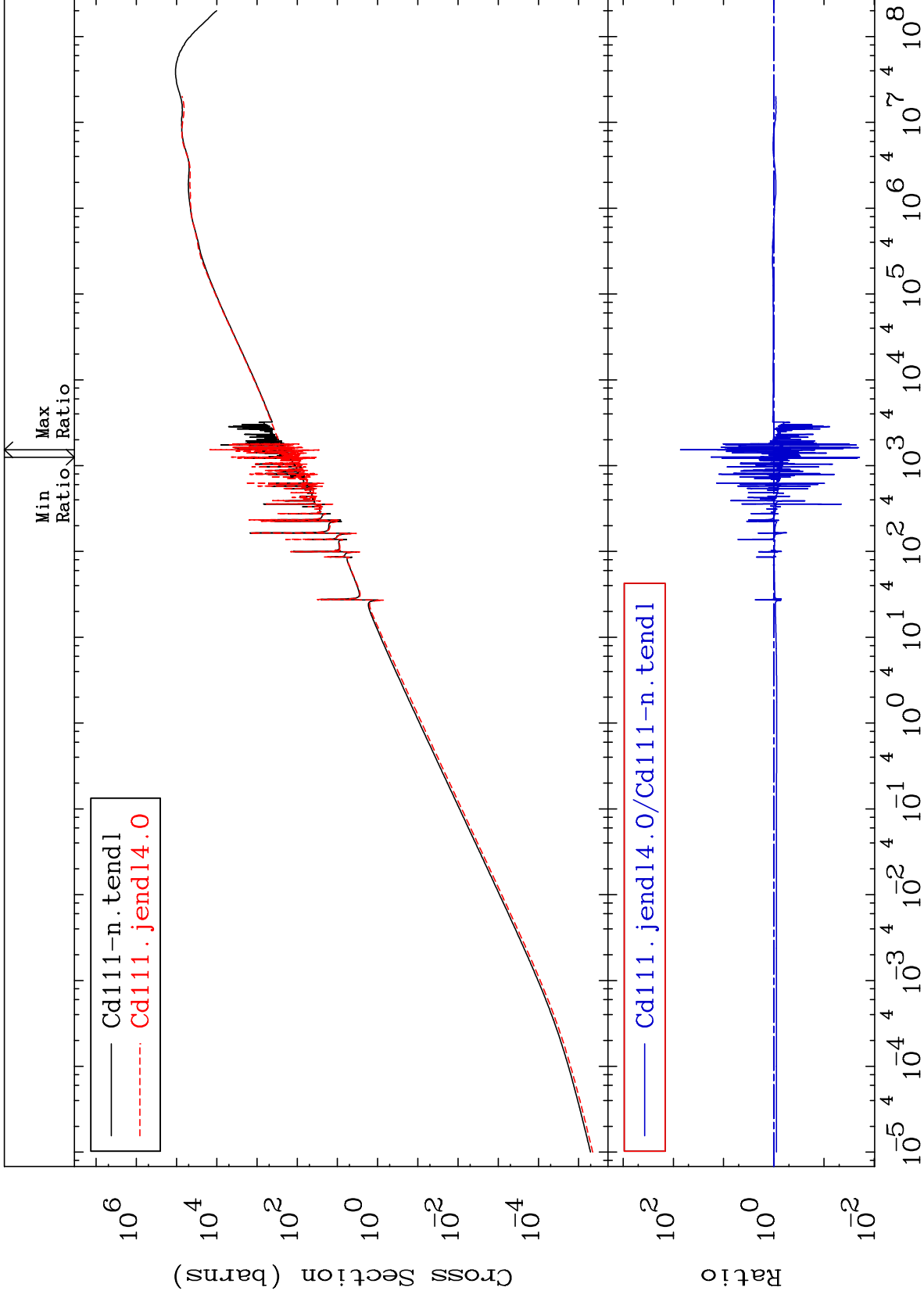
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma elastic  
Cross Section

48-Cd-111  
-98.03 To 7154. %



51

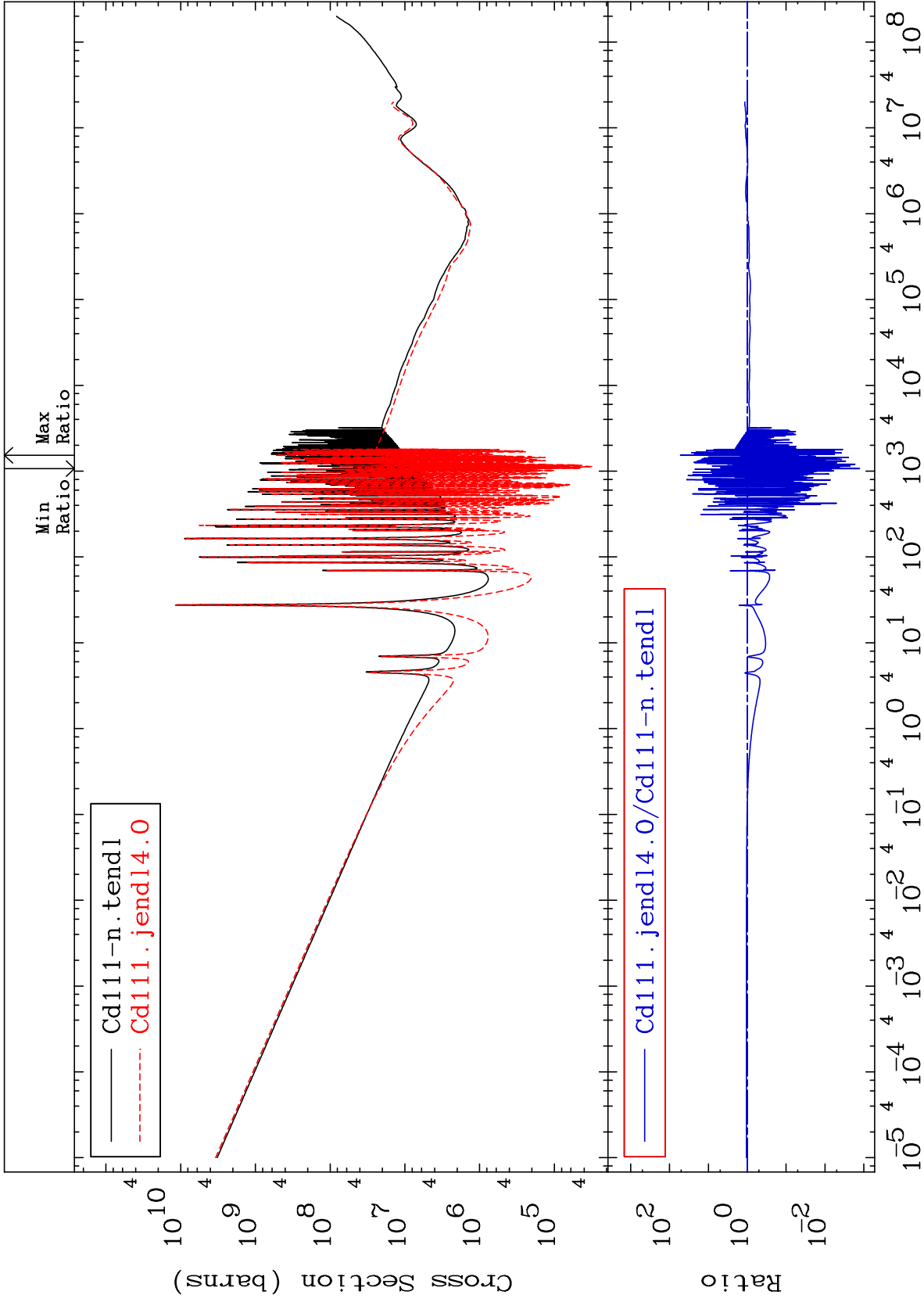
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma non-elastic (all but mt2)  
Cross Section

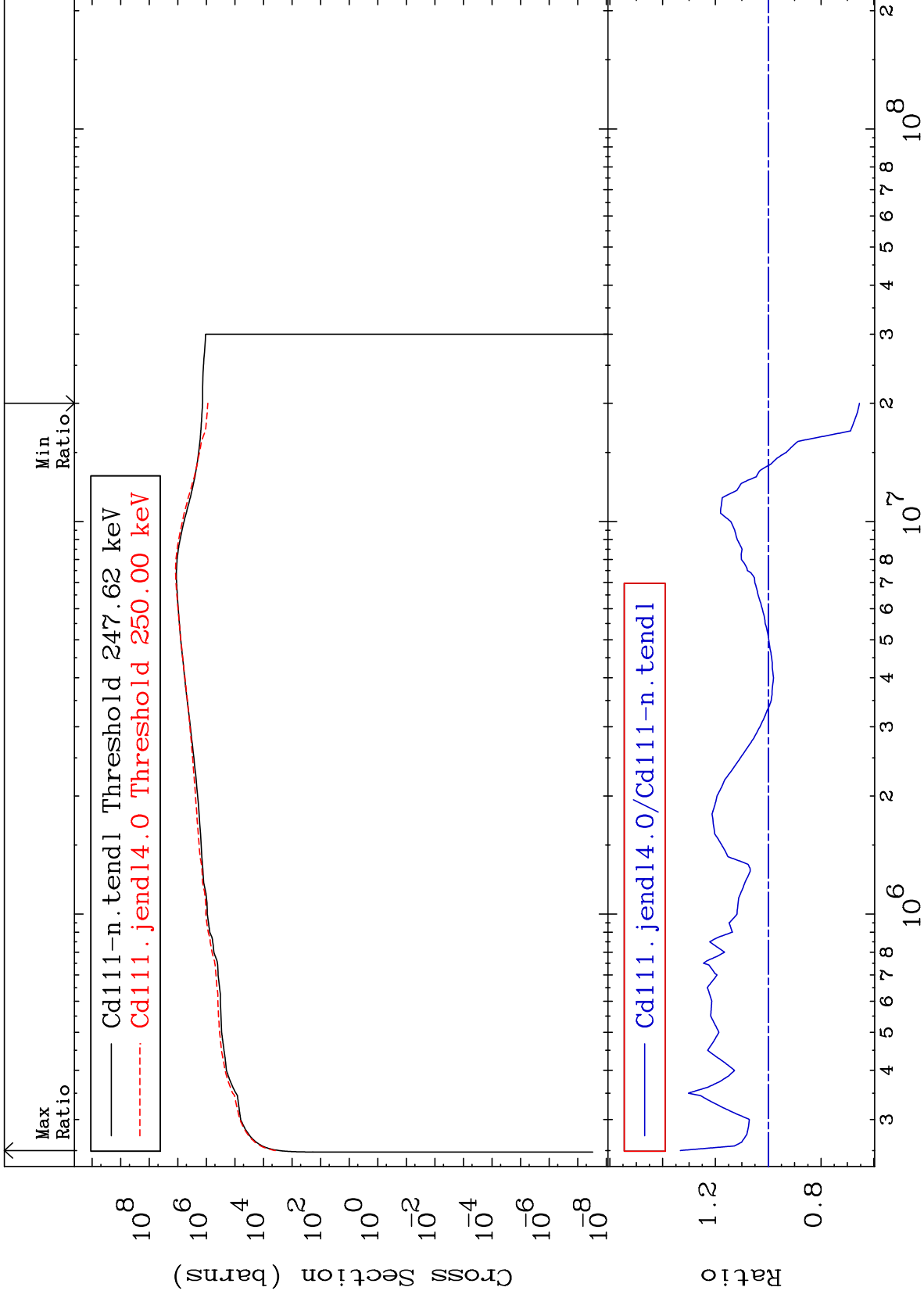
48-Cd-111  
-99.87 To 5160. %



MAT 4840

Kerma inelastic (mt51-91)  
Cross Section

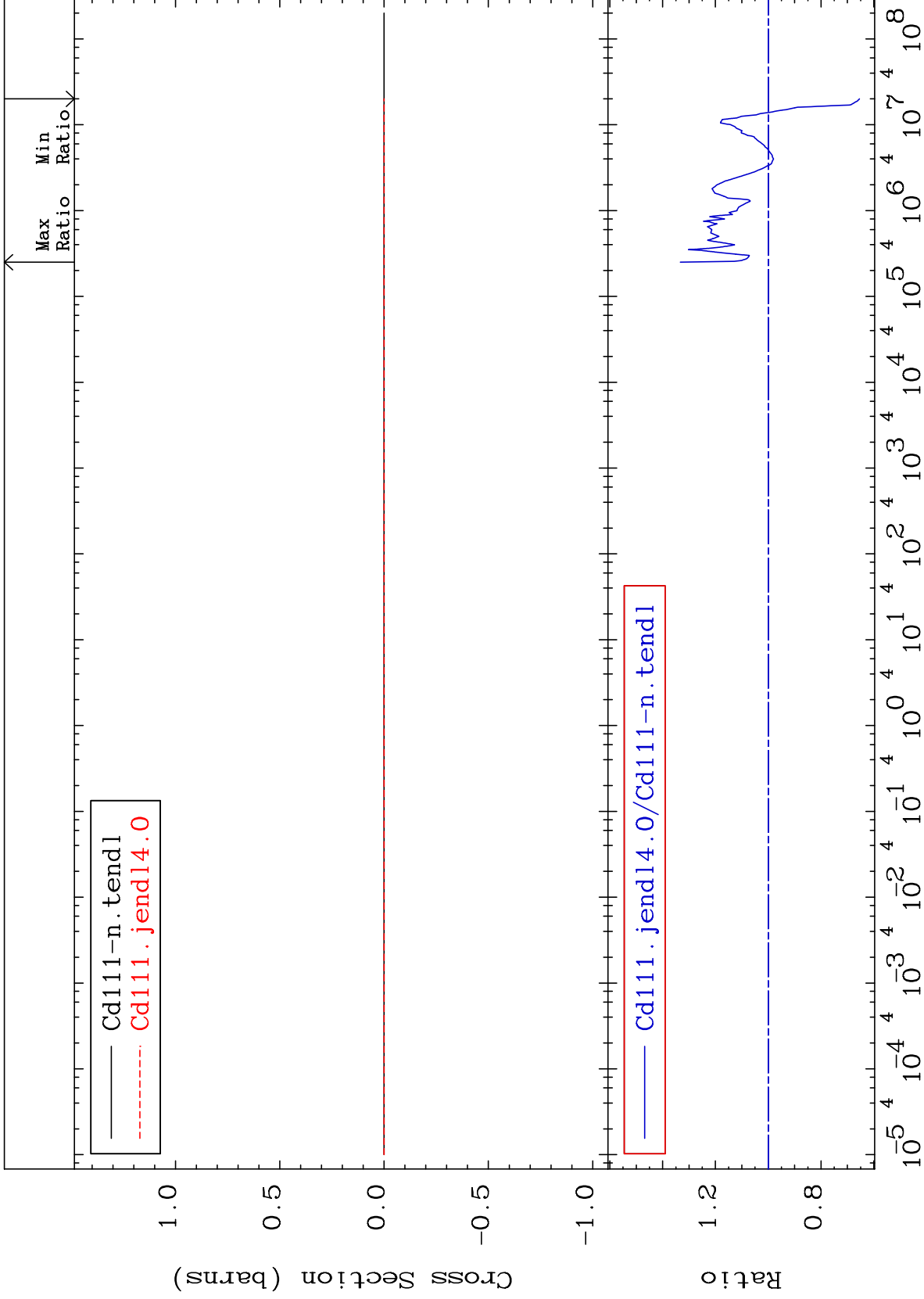
48-Cd-111  
-34.55 To 33.29 %



MAT 4840

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

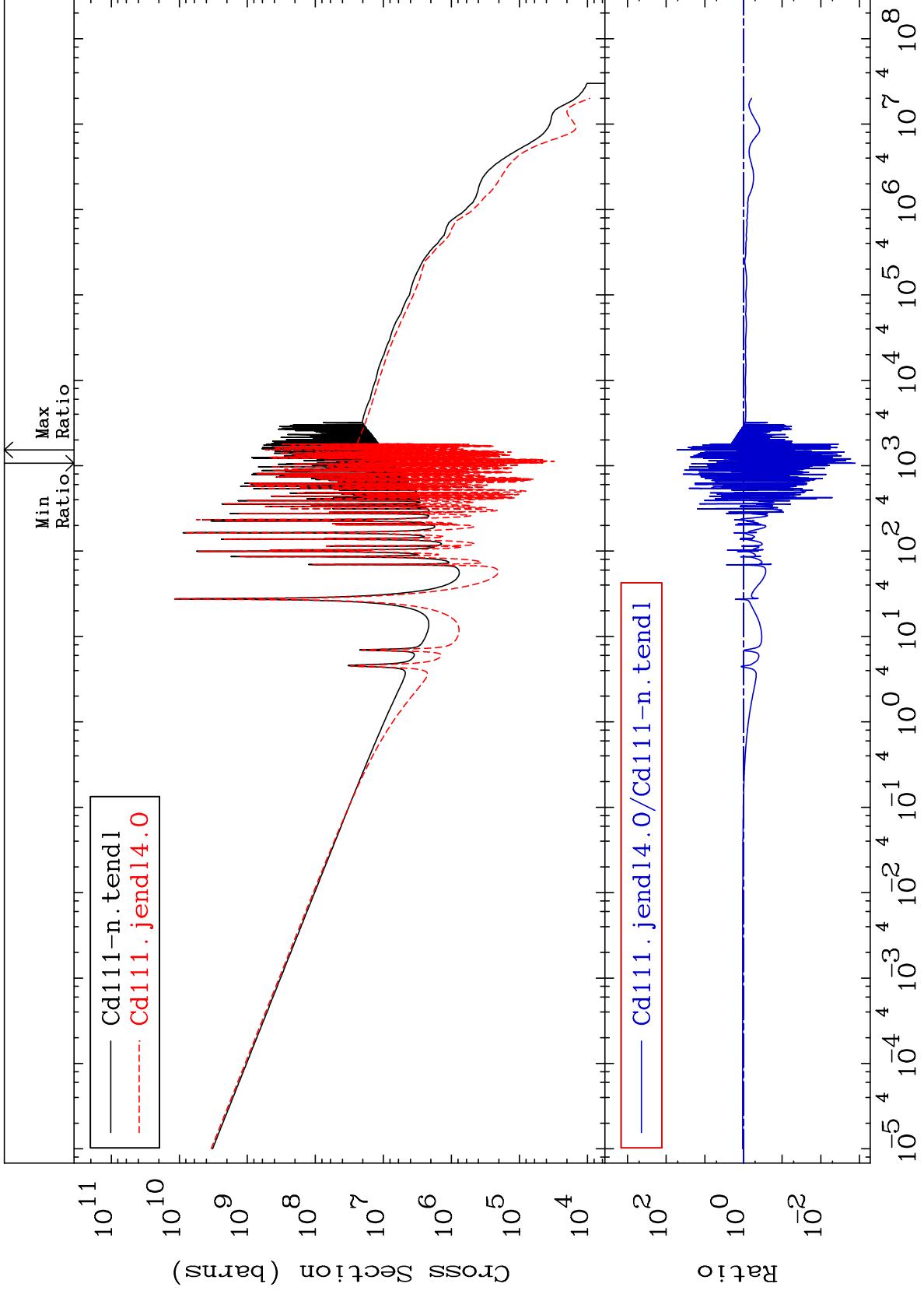
48-Cd-111  
-34.55 To 33.29 %



MAT 4840

Kerma capture (mt102)  
Cross Section

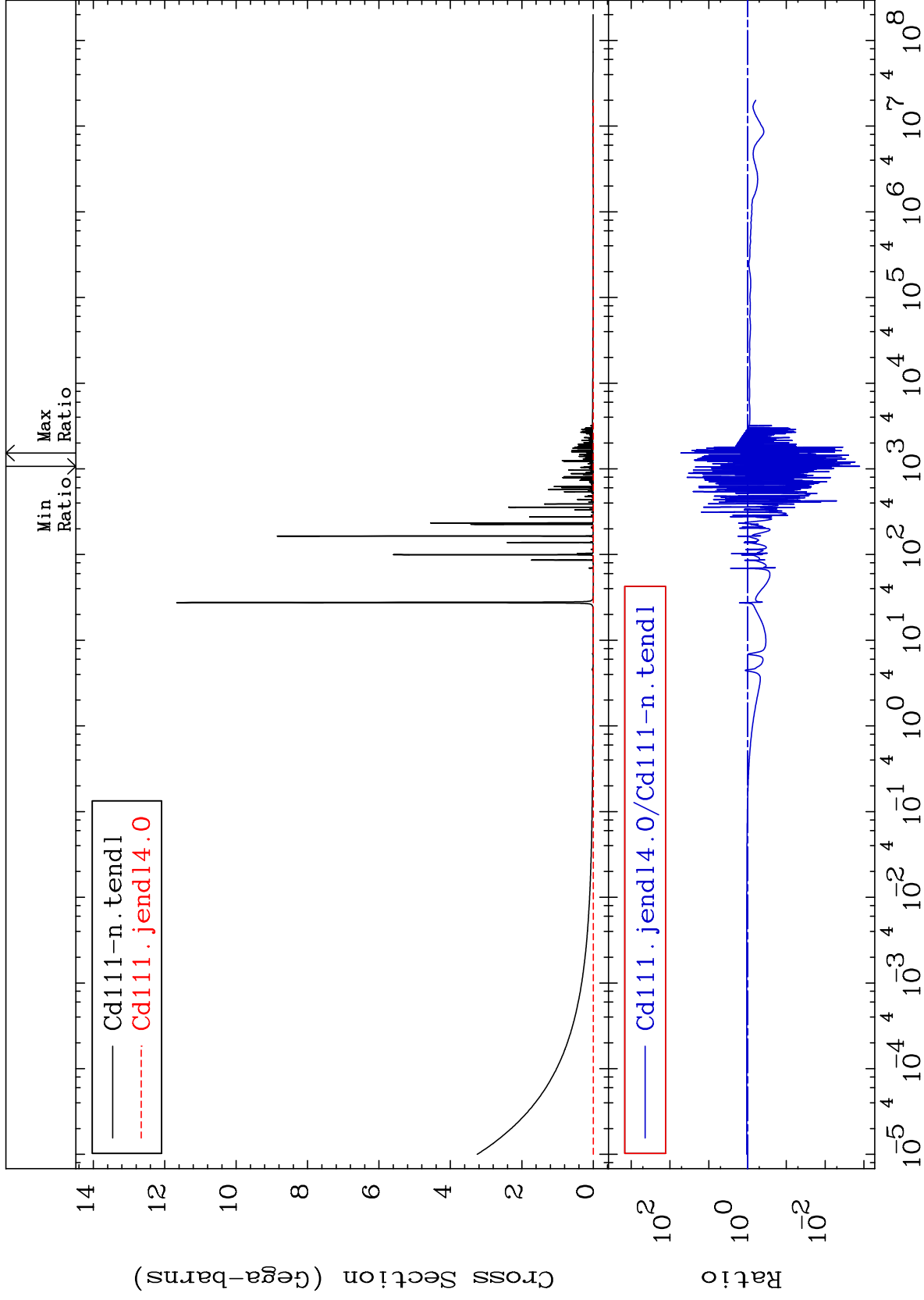
48-Cd-111  
-99.87 To 5160. %



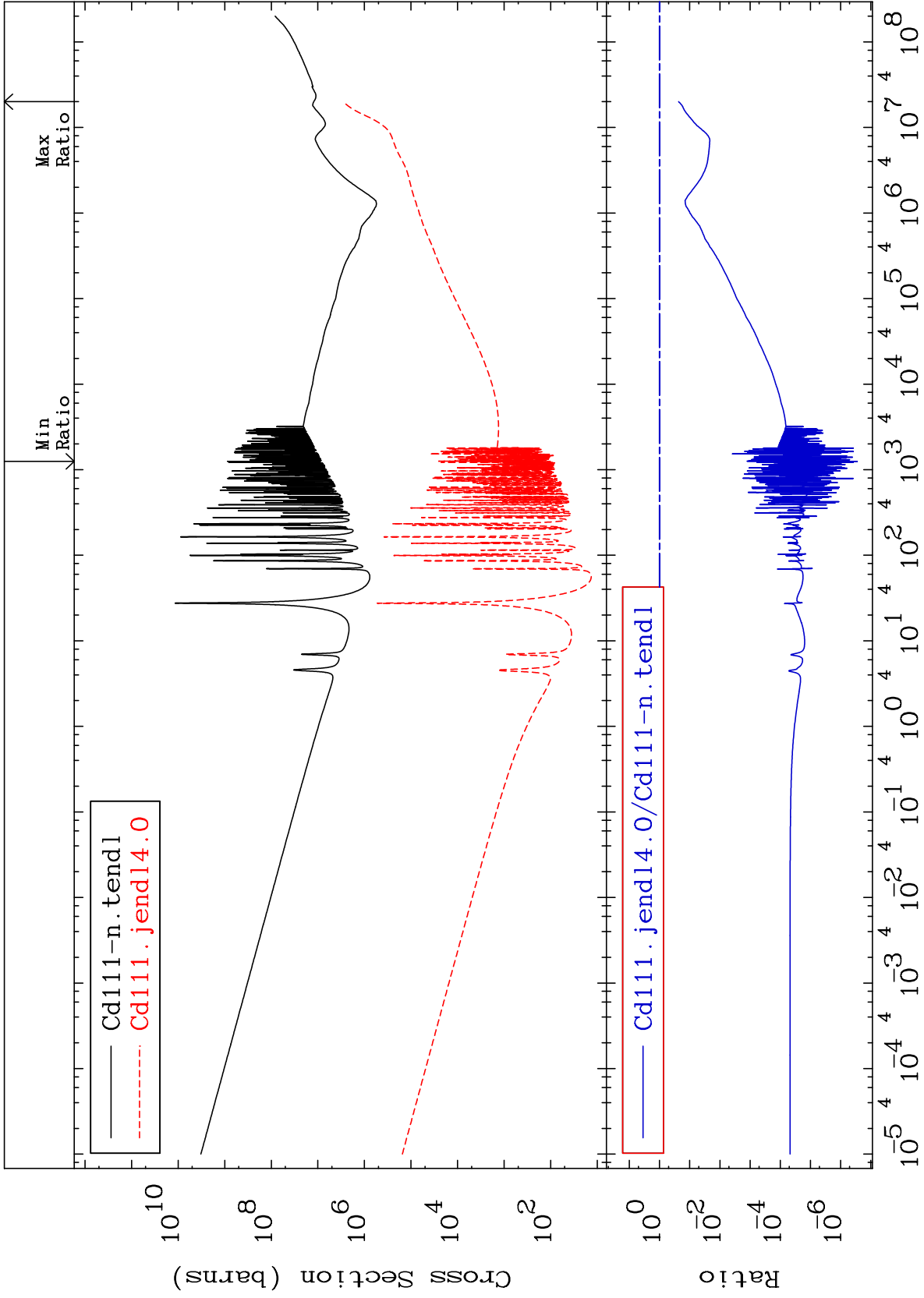
55

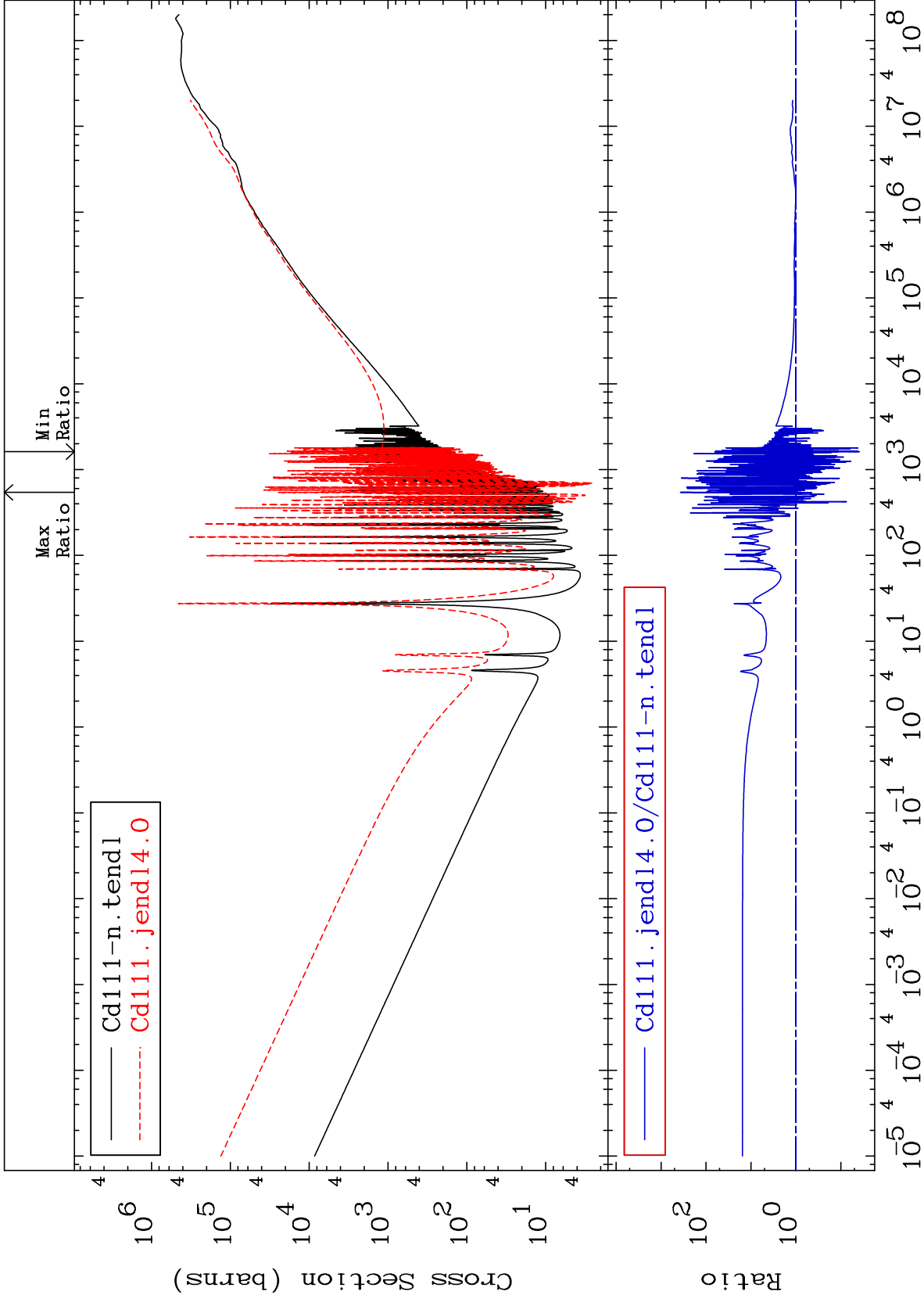
Incident Energy (eV)

48-Cd-111





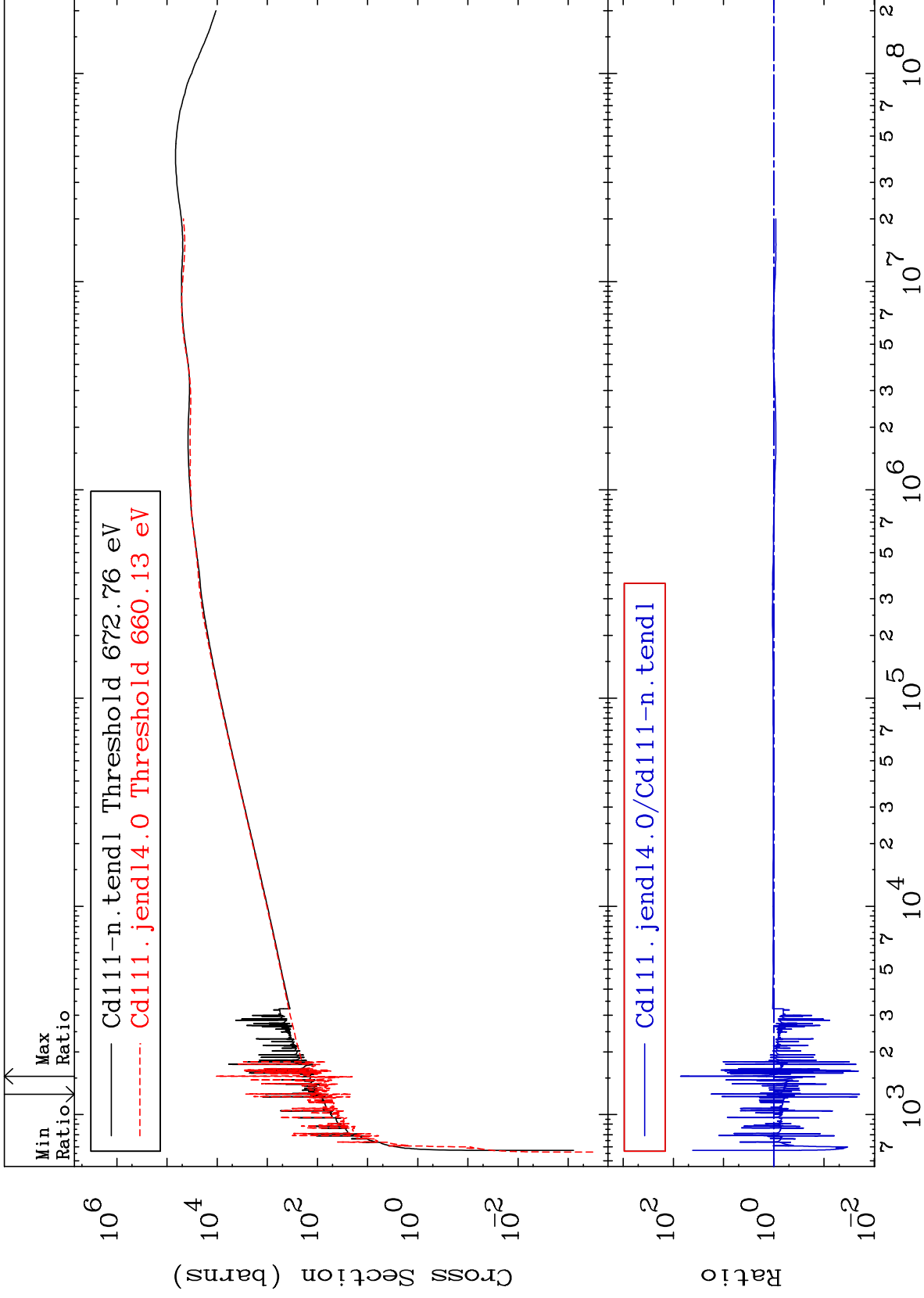




MAT 4840

Dpa elastic (mt2)  
Cross Section

48-Cd-111  
-98.03 To 7156. %



59

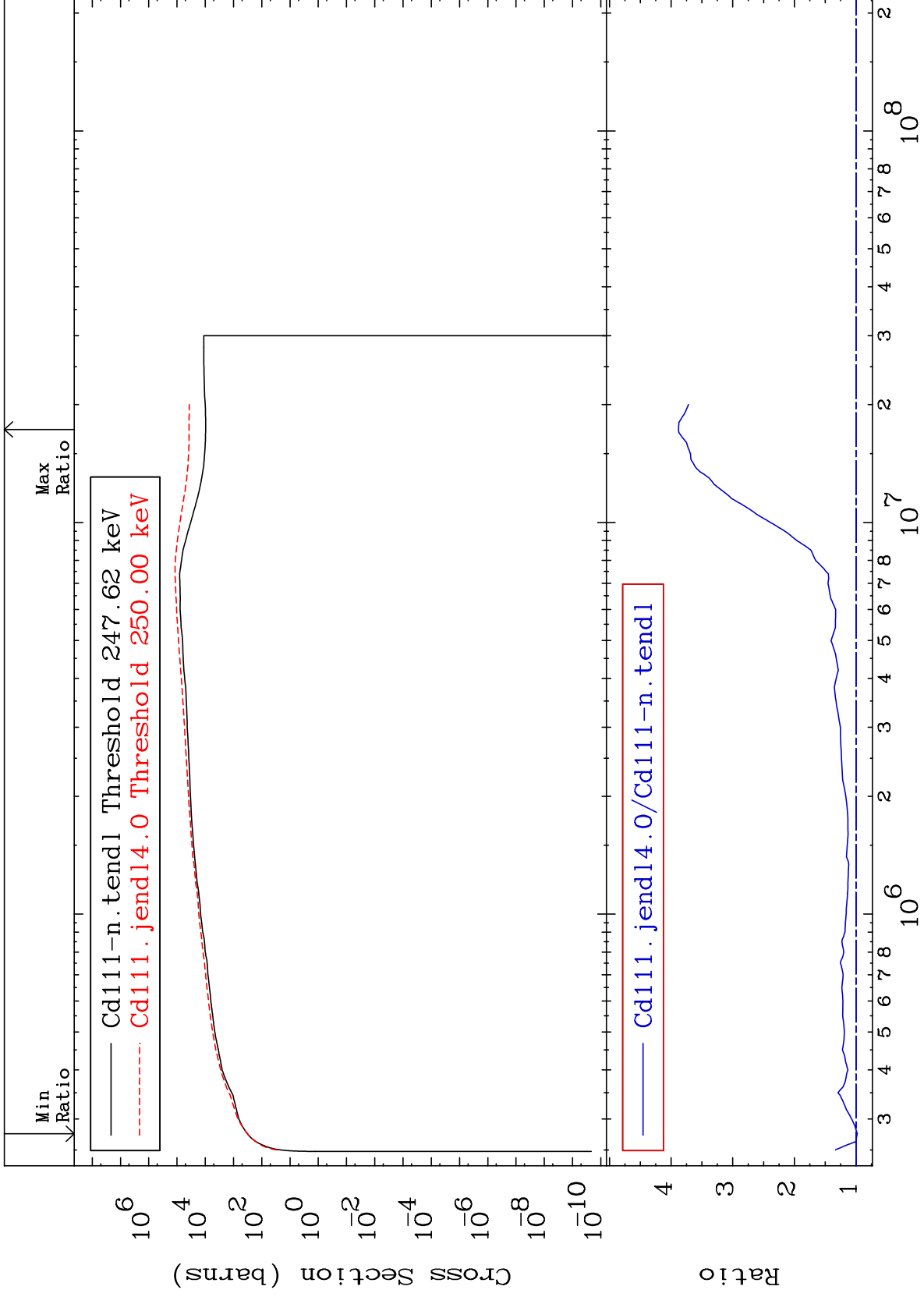
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa inelastic (mt51-91)  
Cross Section

48-Cd-111  
-2.066 To 287.9 %



60

Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa disappearance (mt102 -120)  
Cross Section

48-Cd-111  
-98.05 To 9999. %

