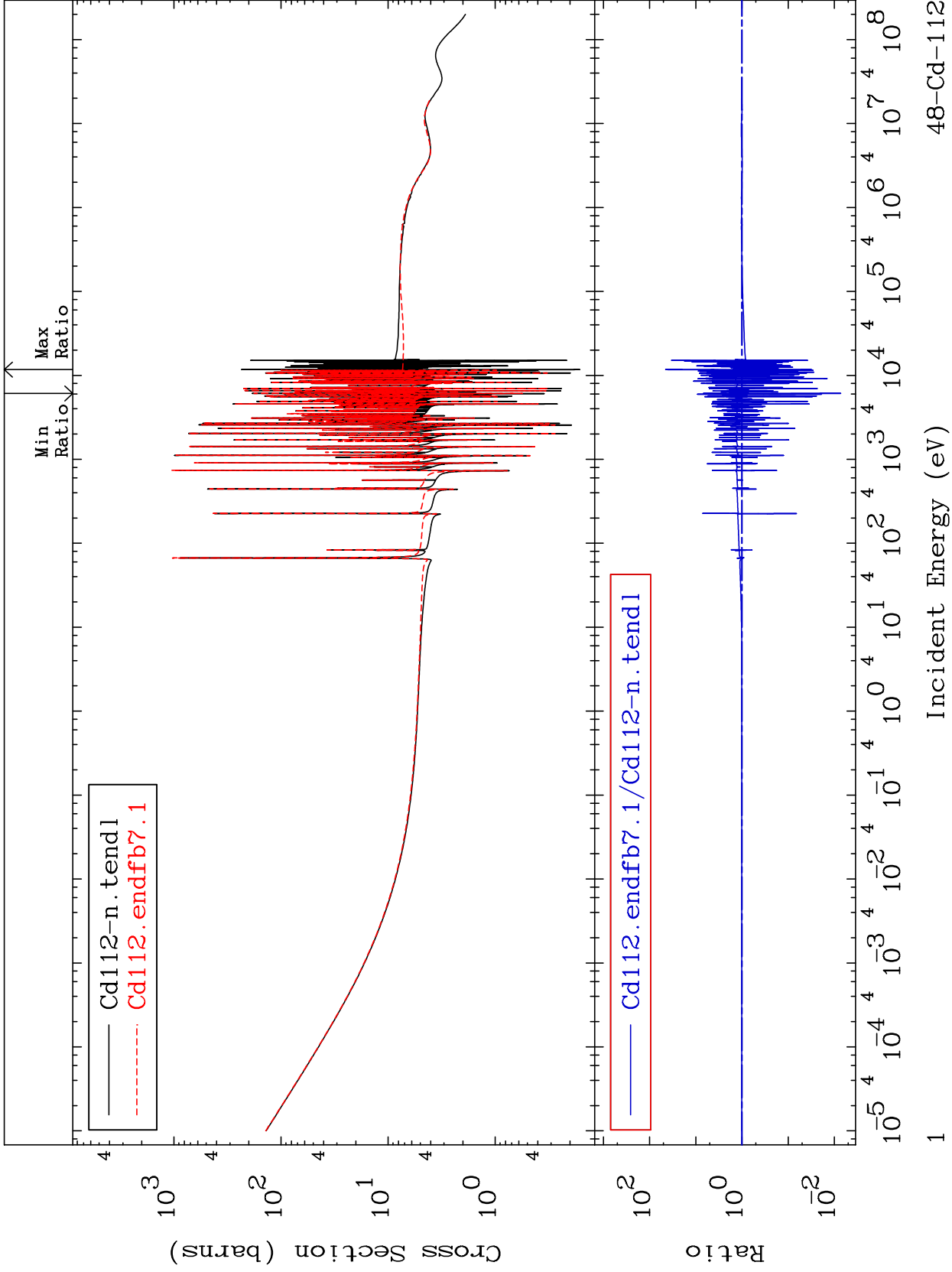


MAT 4843

Total
Cross Section

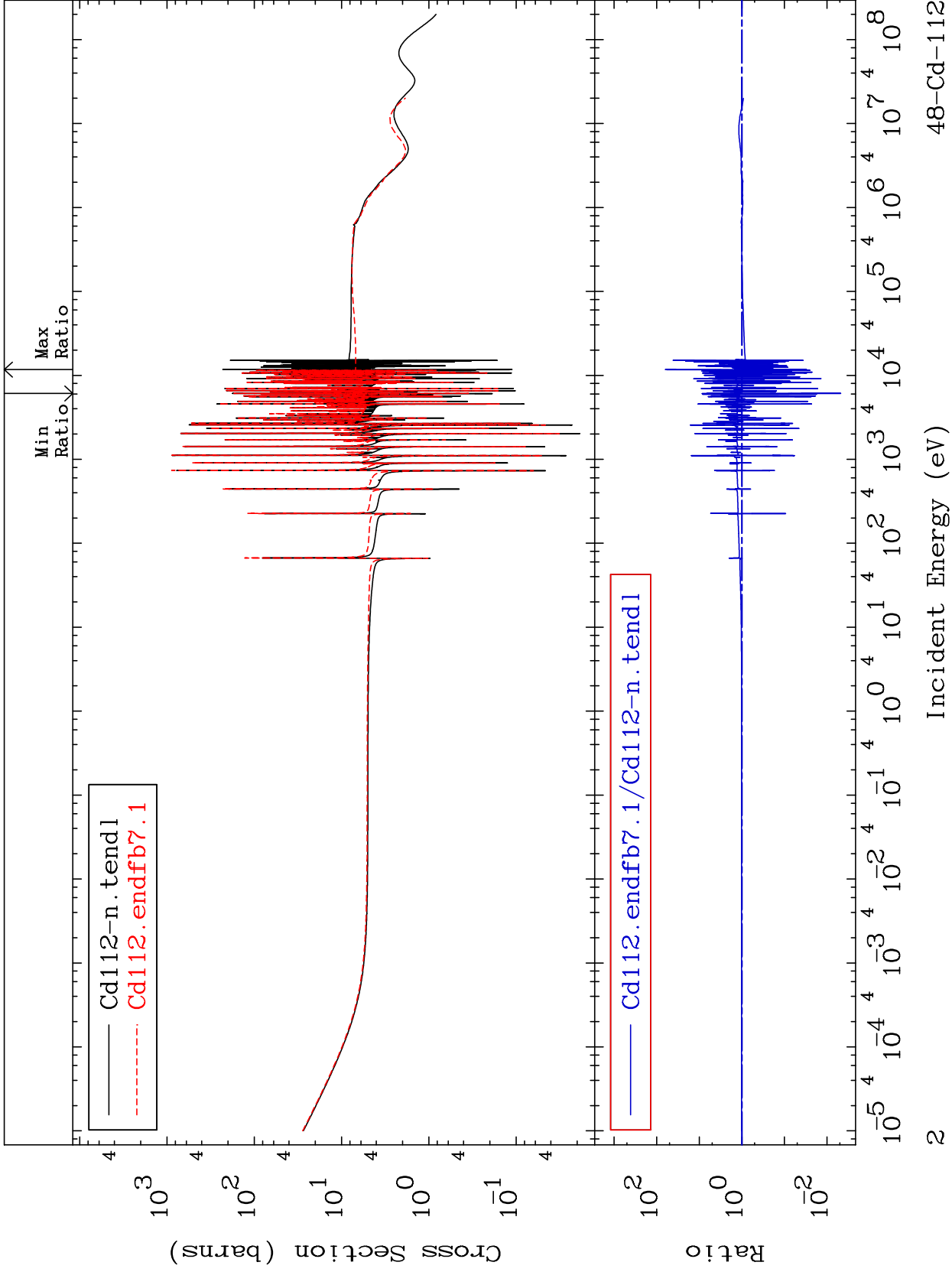
48-Cd-112
-99.27 To 4423. %



MAT 4843

Elastic
Cross Section

48-Cd-112
-99.52 To 6117. %

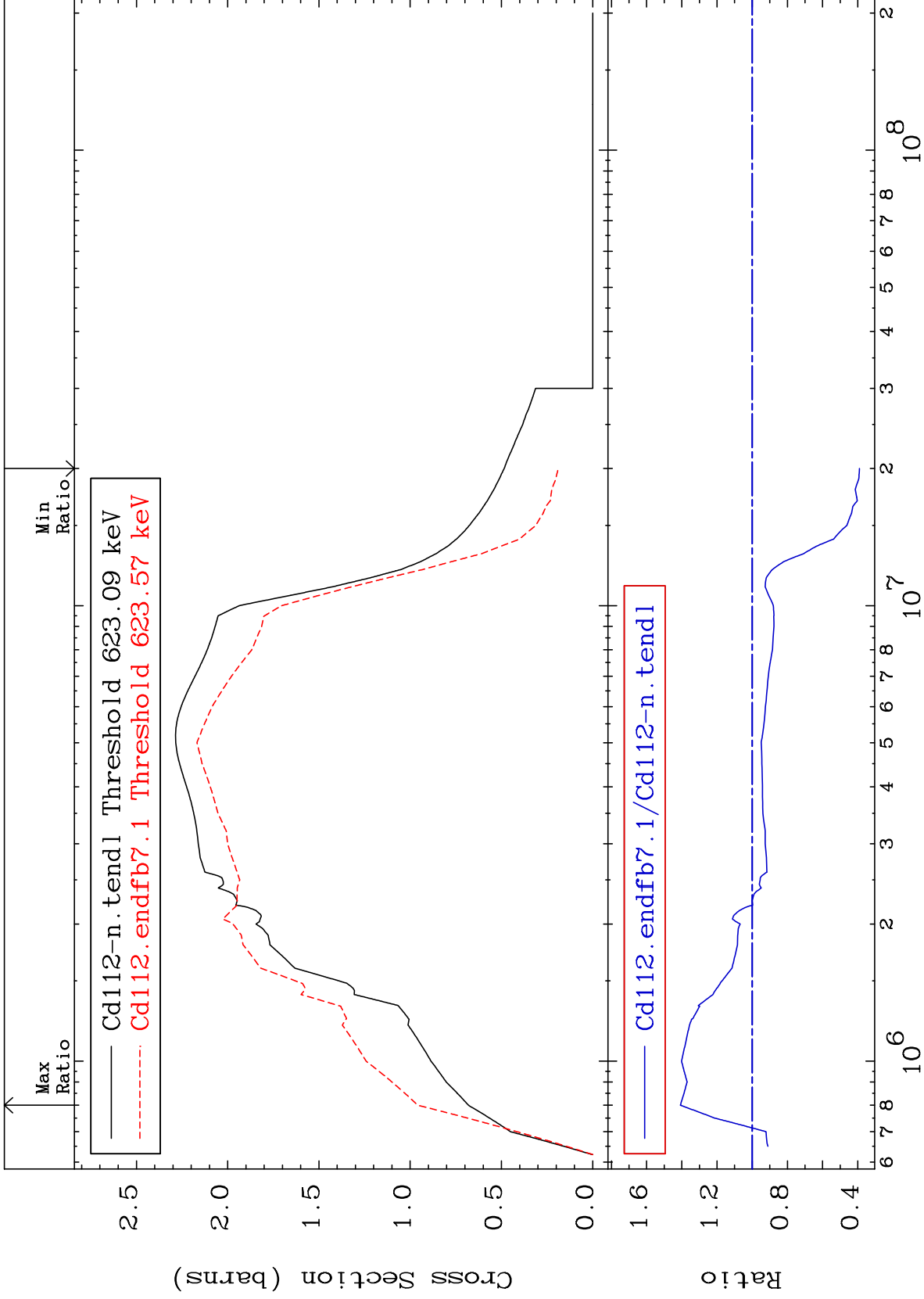


48-Cd-112

MAT 4843

Inelastic
Cross Section

48-Cd-112
-60.94 To 40.82 %



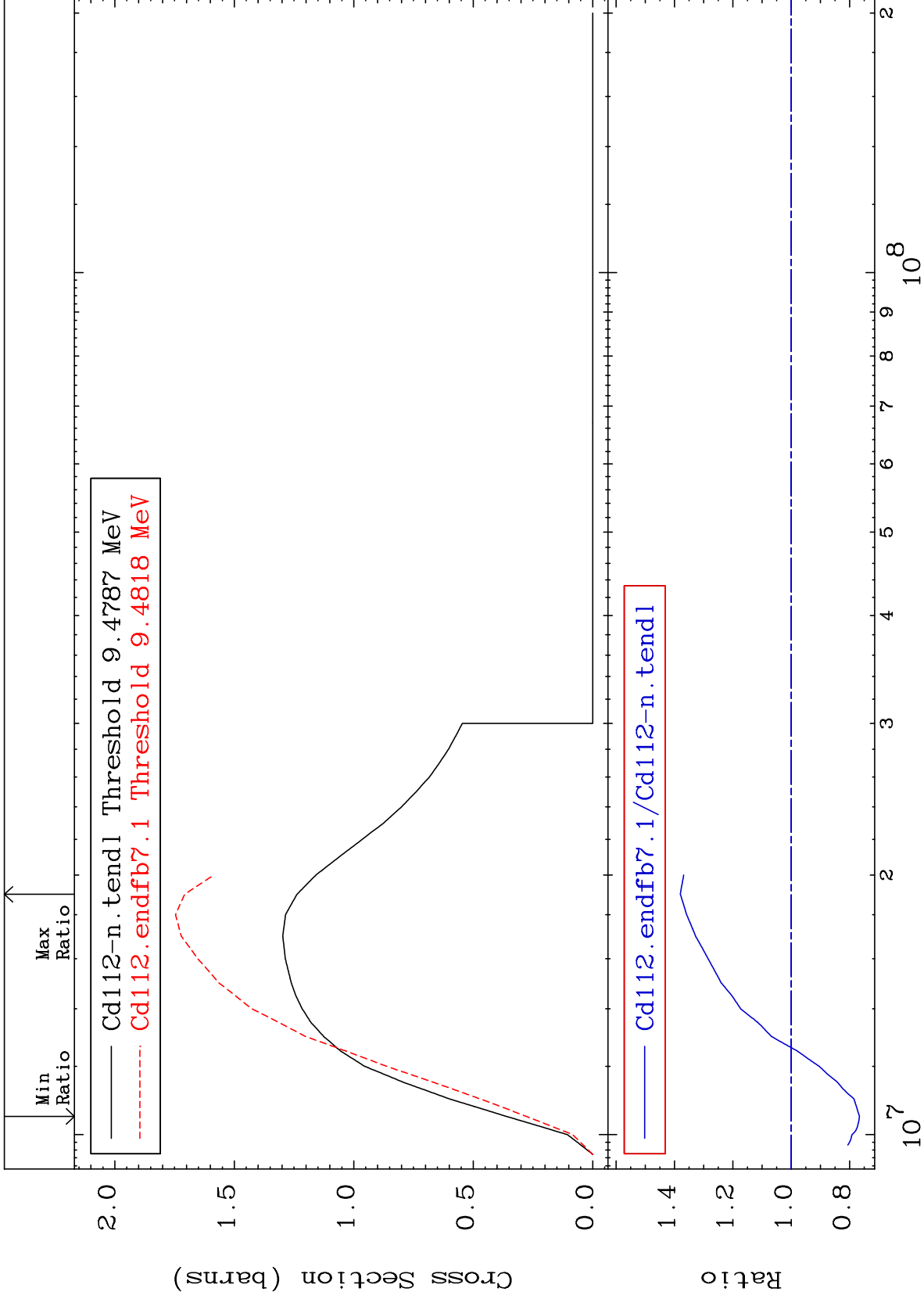
3

48-Cd-112

MAT 4843

(n,2n)
Cross Section

48-Cd-112
-23.35 To 37.99 %



4

Incident Energy (eV)

48-Cd-112

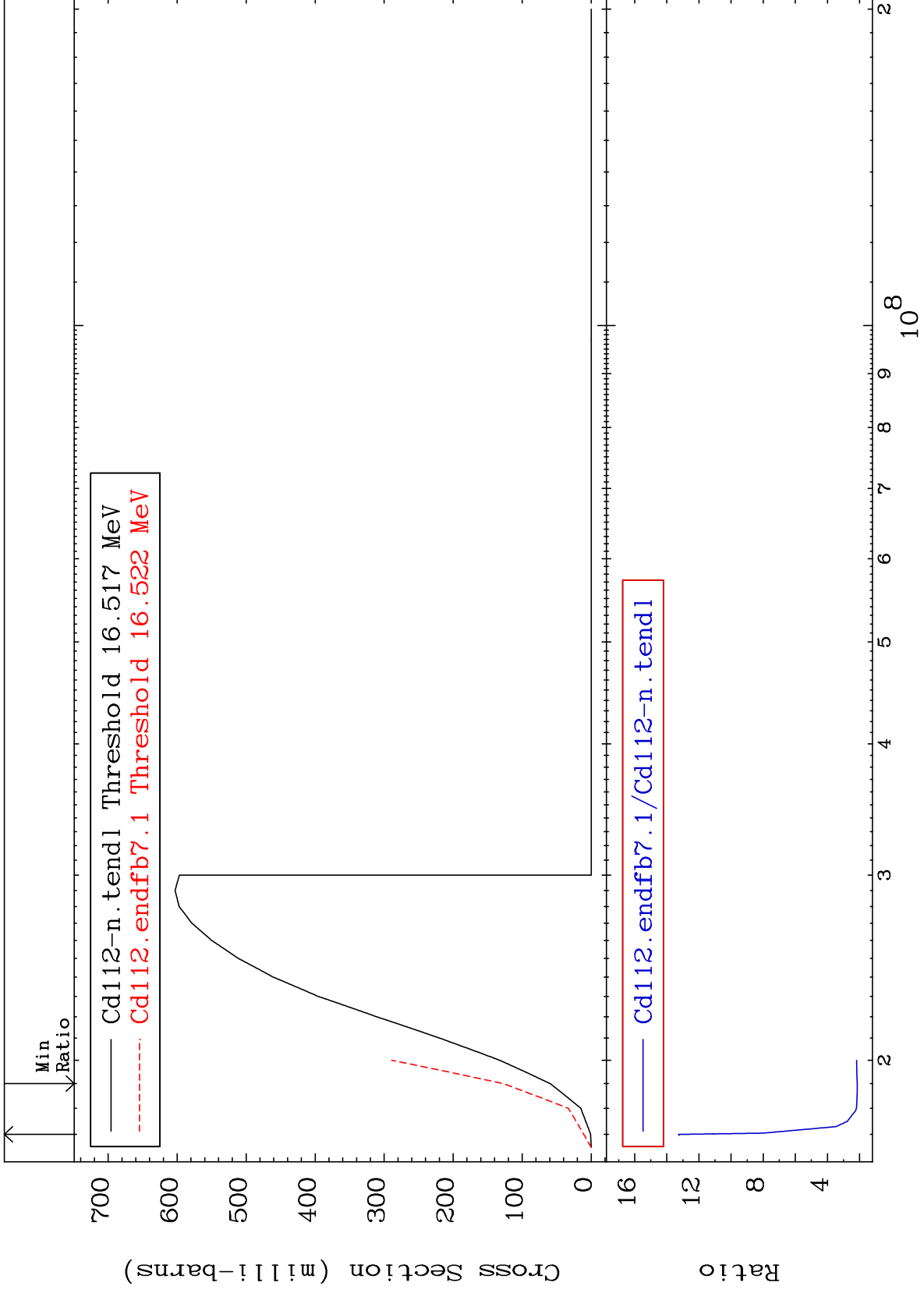
MAT 4843

(n,3n)

48-Cd-112

Cross Section

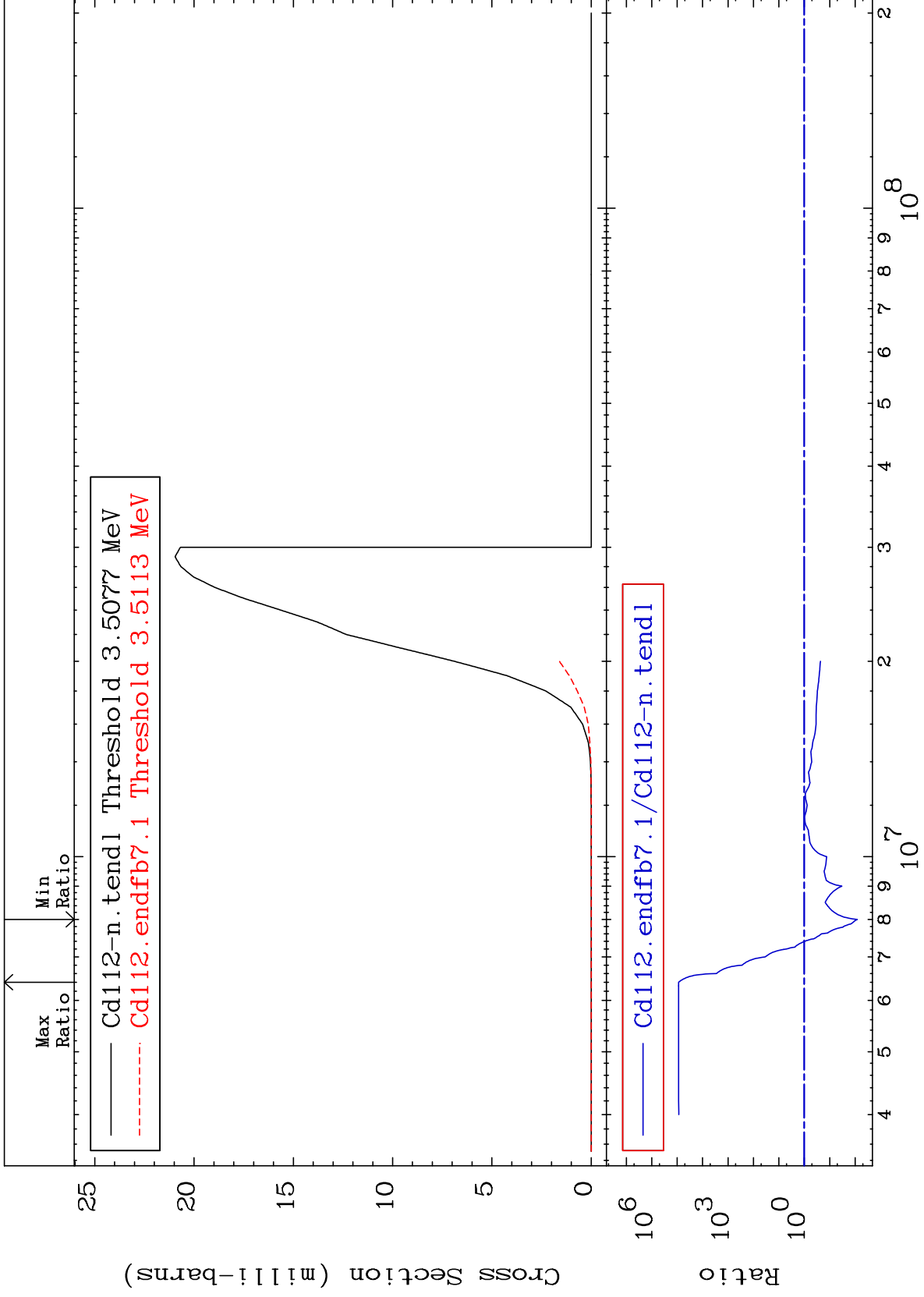
114.5 To 1226. %



MAT 4843

(n,n') α
Cross Section

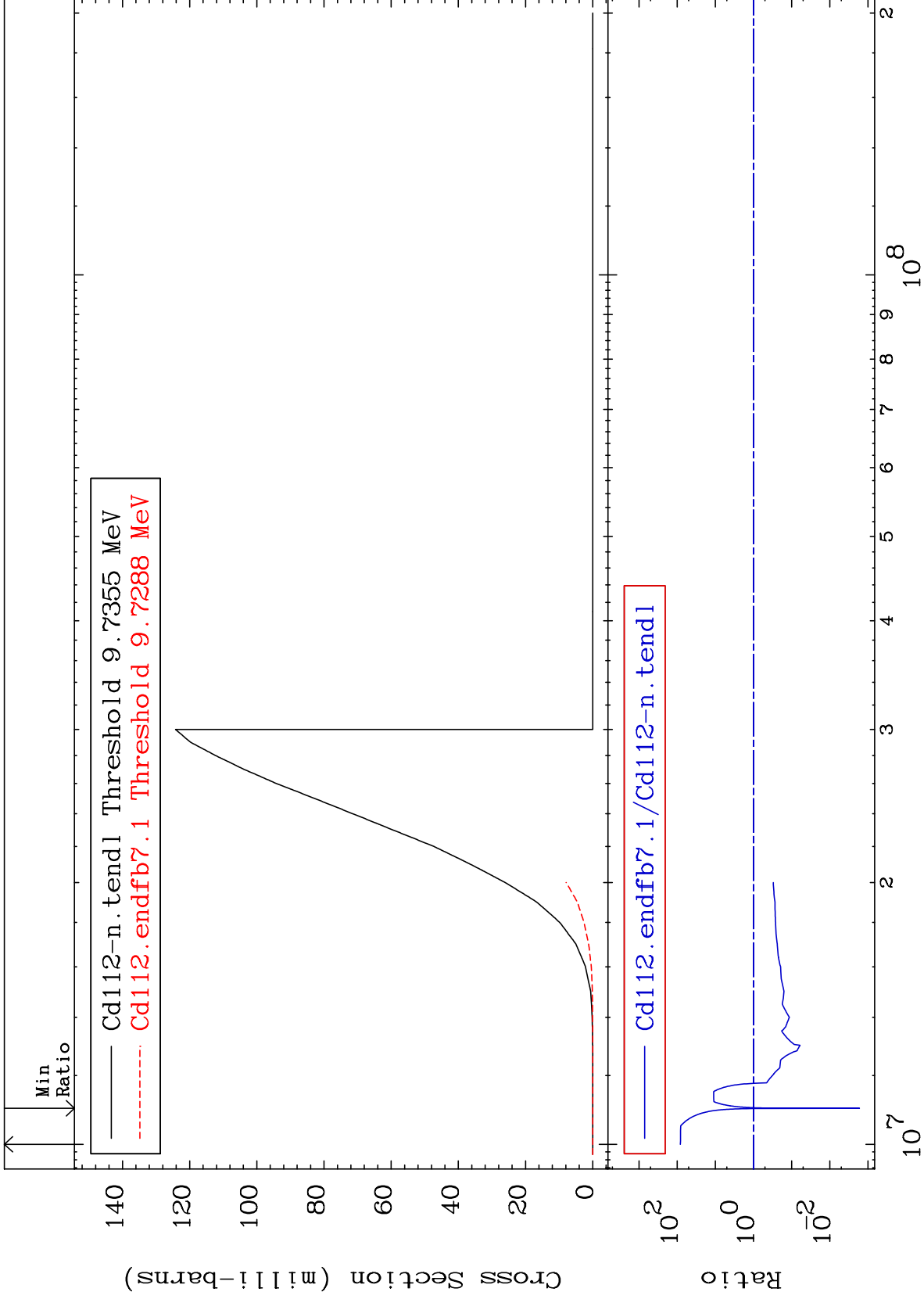
48-Cd-112
-99.18 To 9999. %



MAT 4843

(n,n') p
Cross Section

48-Cd-112
-99.83 To 8166. %



7

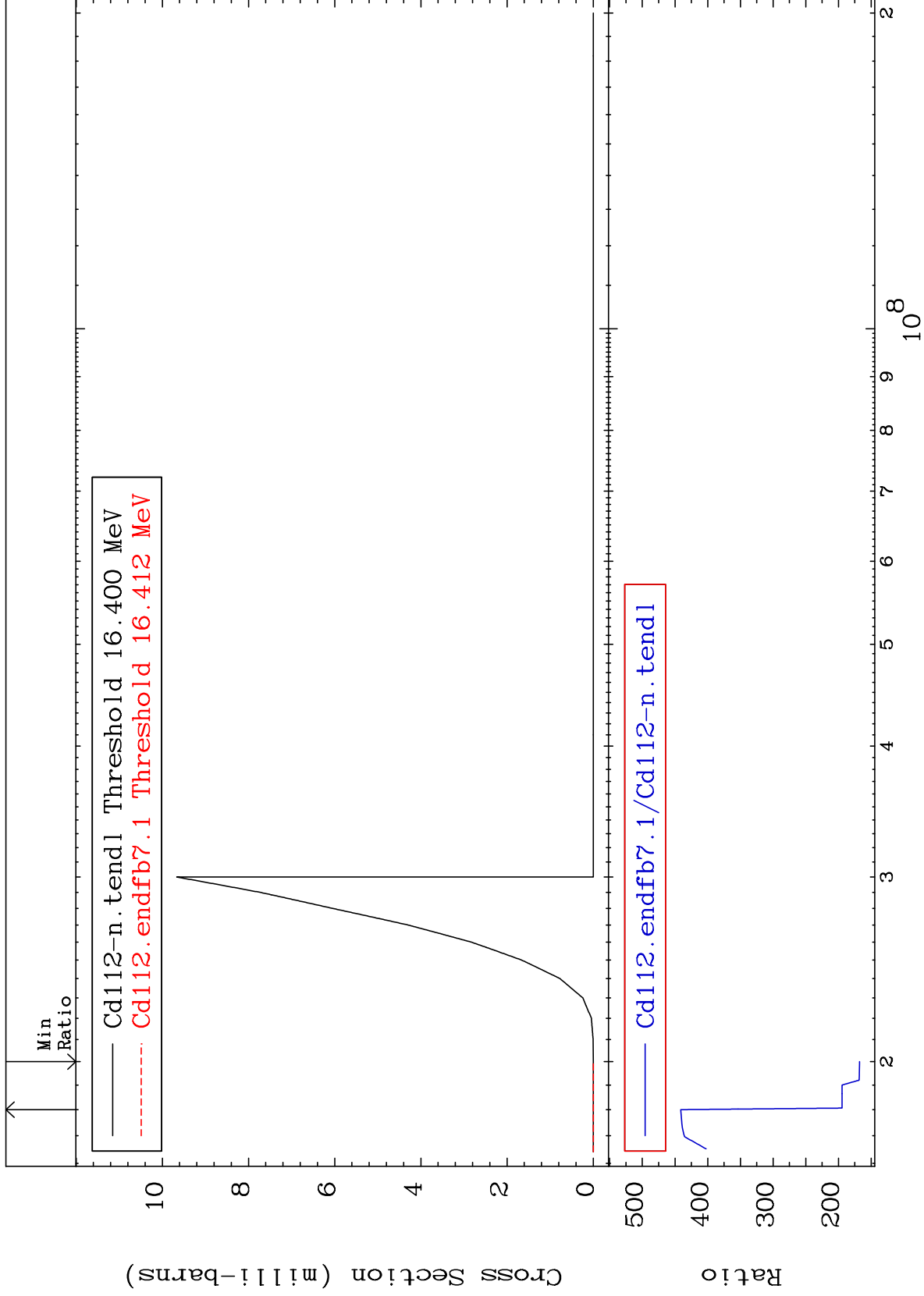
Incident Energy (eV)

48-Cd-112

MAT 4843

(n,n') d
Cross Section

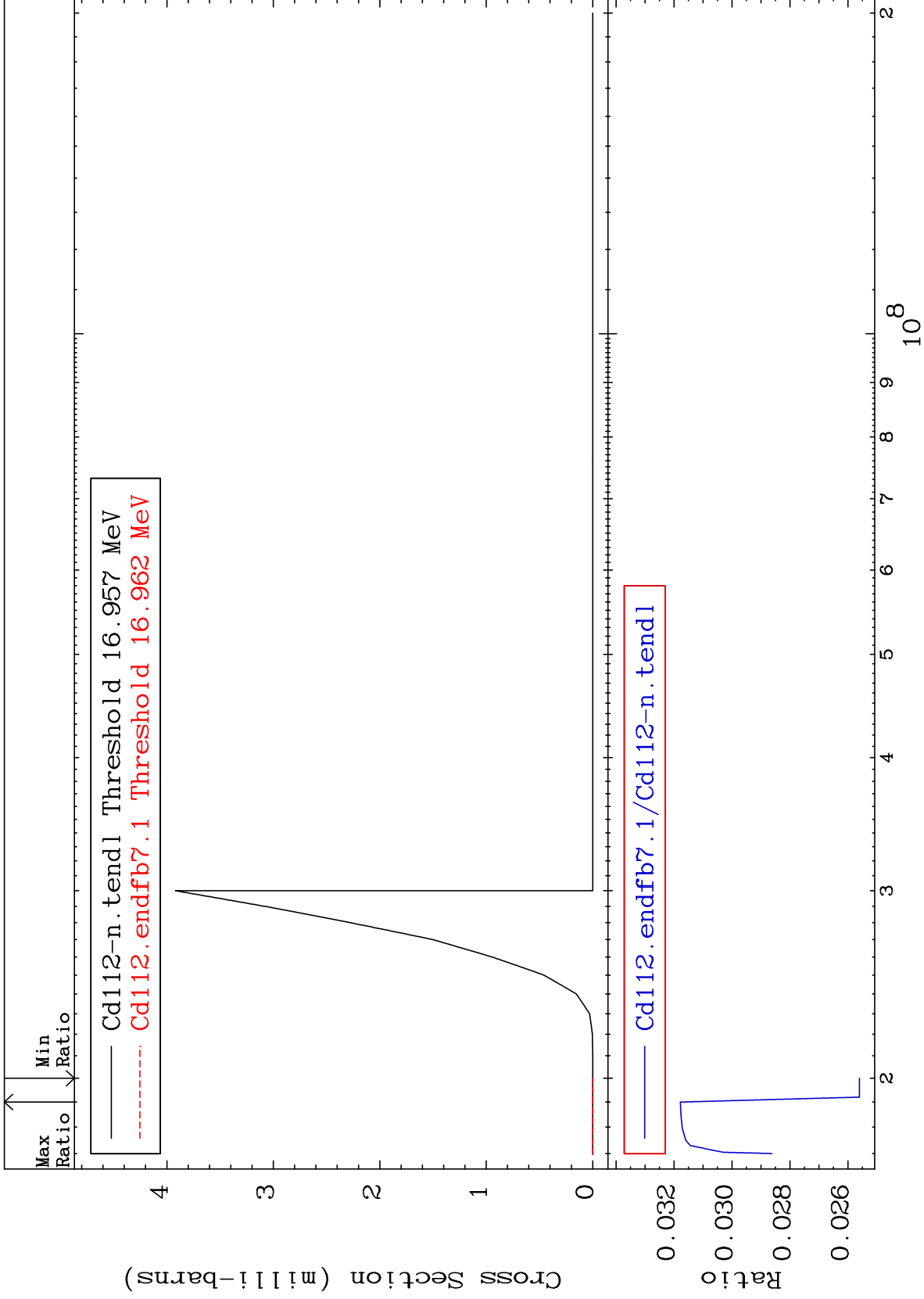
48-Cd-112
-99.98 To -99.96%



MAT 4843

(n,n') t
Cross Section

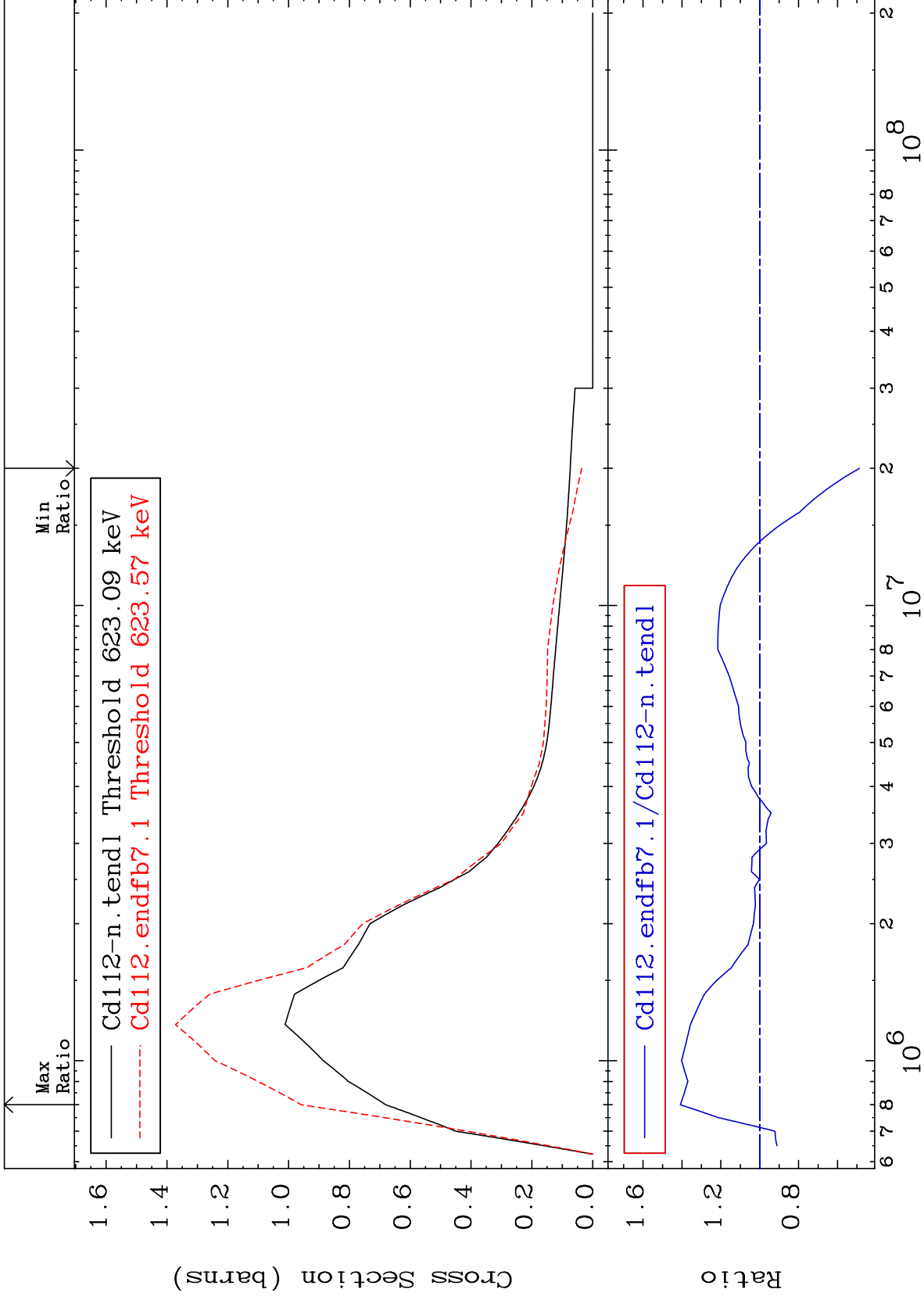
48-Cd-112
-97.44 To -96.82%



MAT 4843

617.5 keV (n,n') Level
Cross Section

48-Cd-112
-51.29 To 40.82 %



10

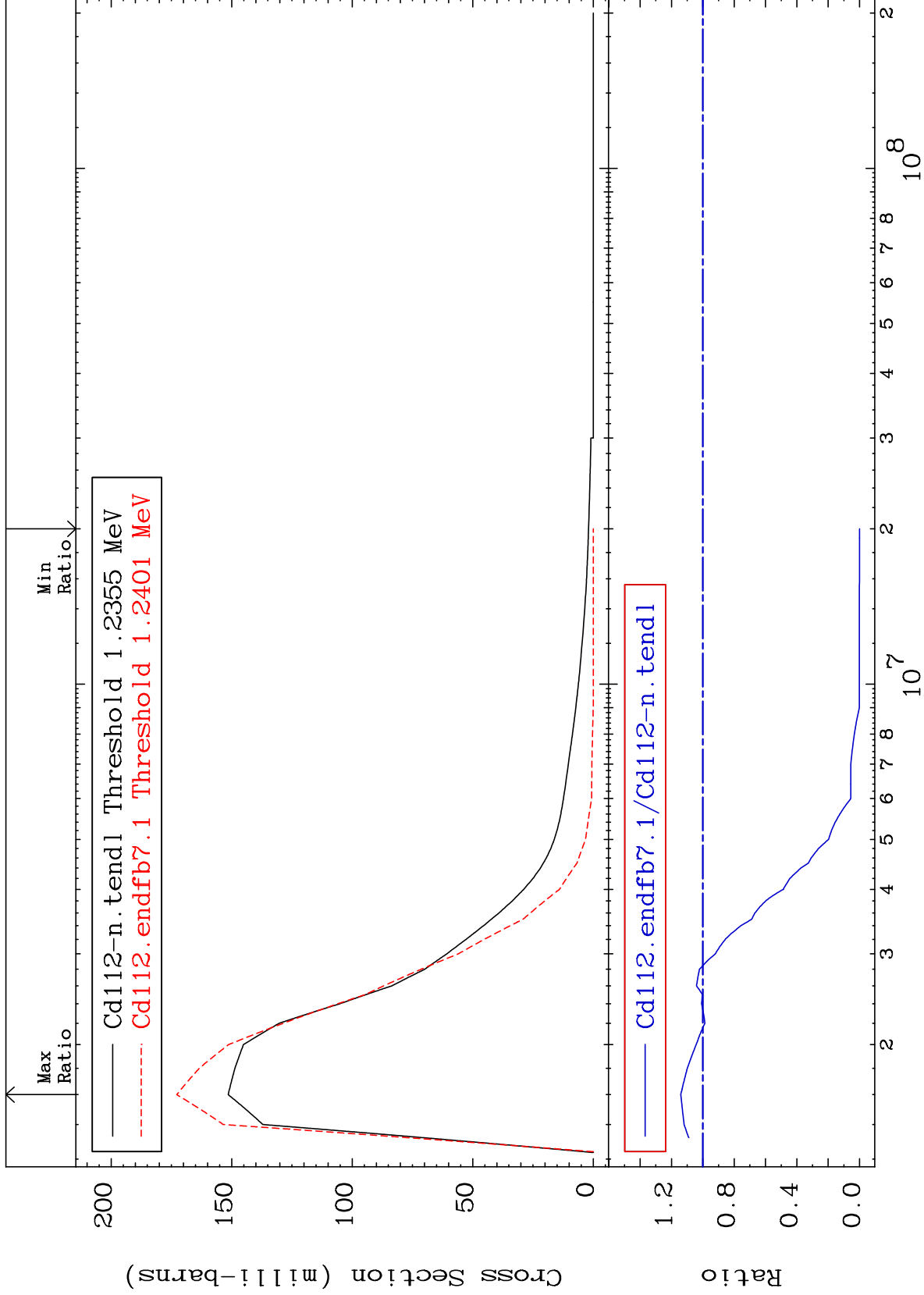
Incident Energy (eV)

48-Cd-112

MAT 4843

1.224 MeV (n,n') Level
Cross Section

48-Cd-112
-100.0 To 14.09 %



11

48-Cd-112

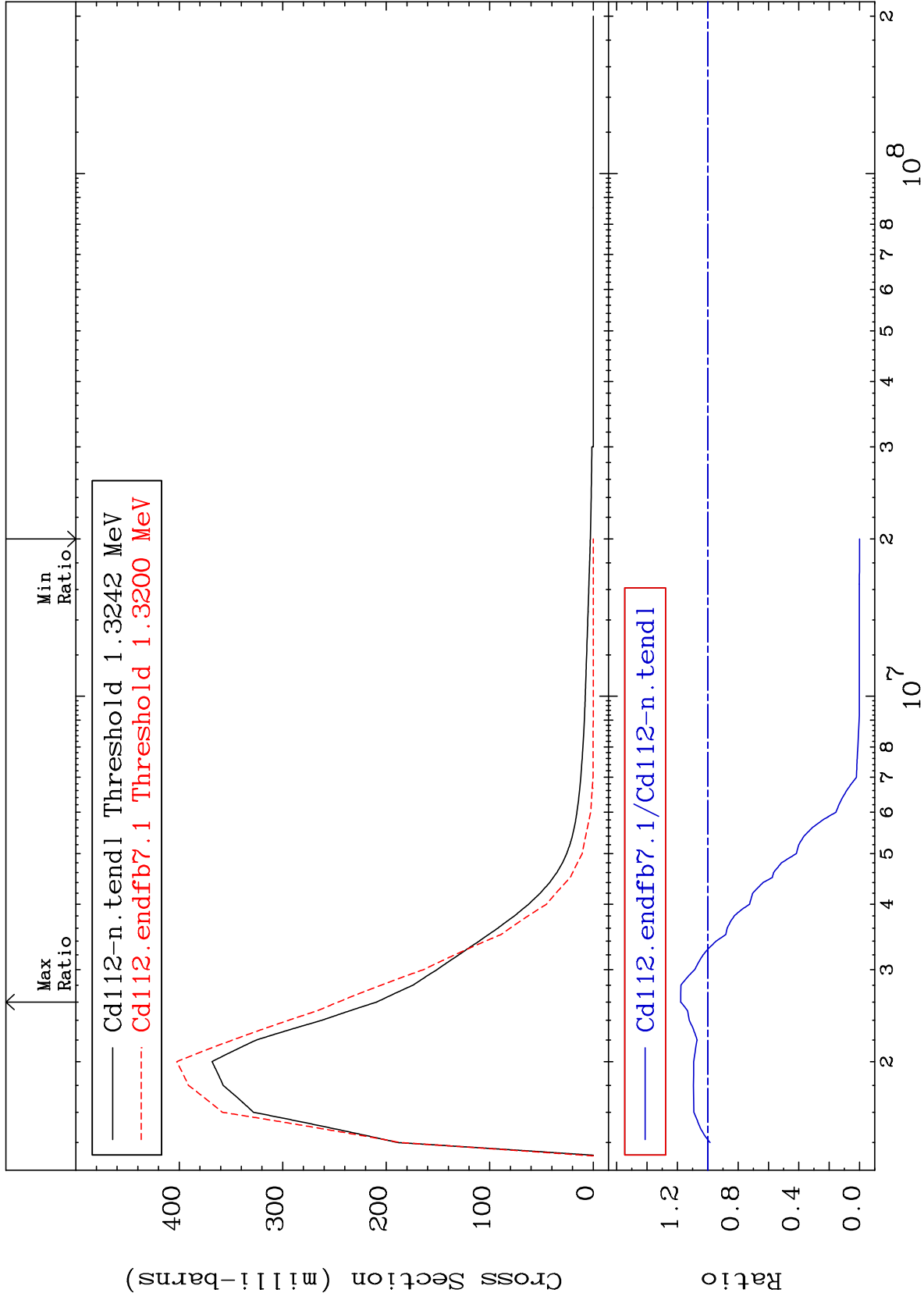
MAT 4843

1.312 MeV (n,n') Level

48-Cd-112

-100.0 To 17.79 %

Cross Section



12

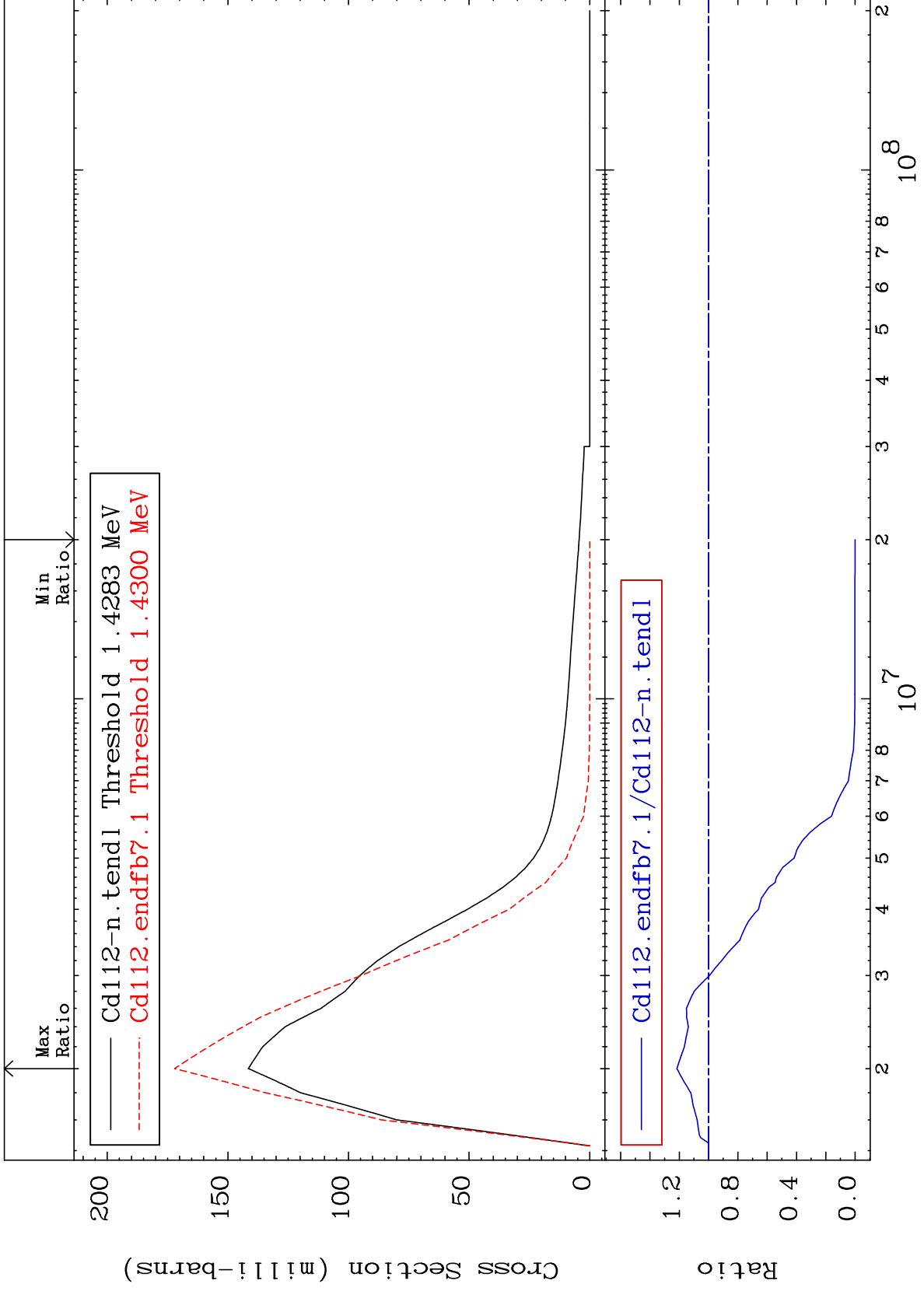
Incident Energy (eV)

48-Cd-112

MAT 4843

1.416 MeV (n,n') Level
Cross Section

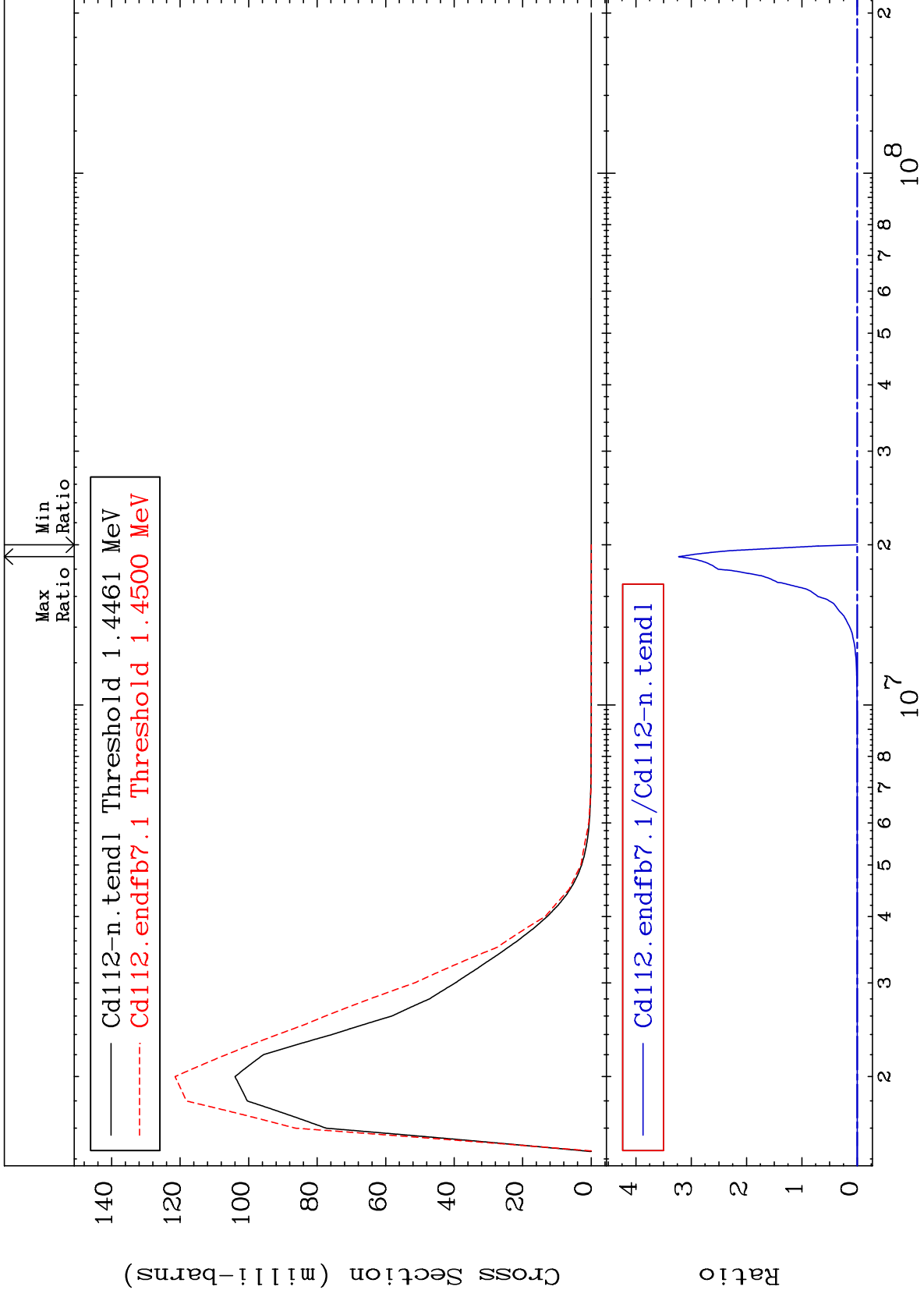
48-Cd-112
-100.0 To 21.62 %



MAT 4843

1.433 MeV (n,n') Level
Cross Section

48-Cd-112
-100.0 To 9999. %



14

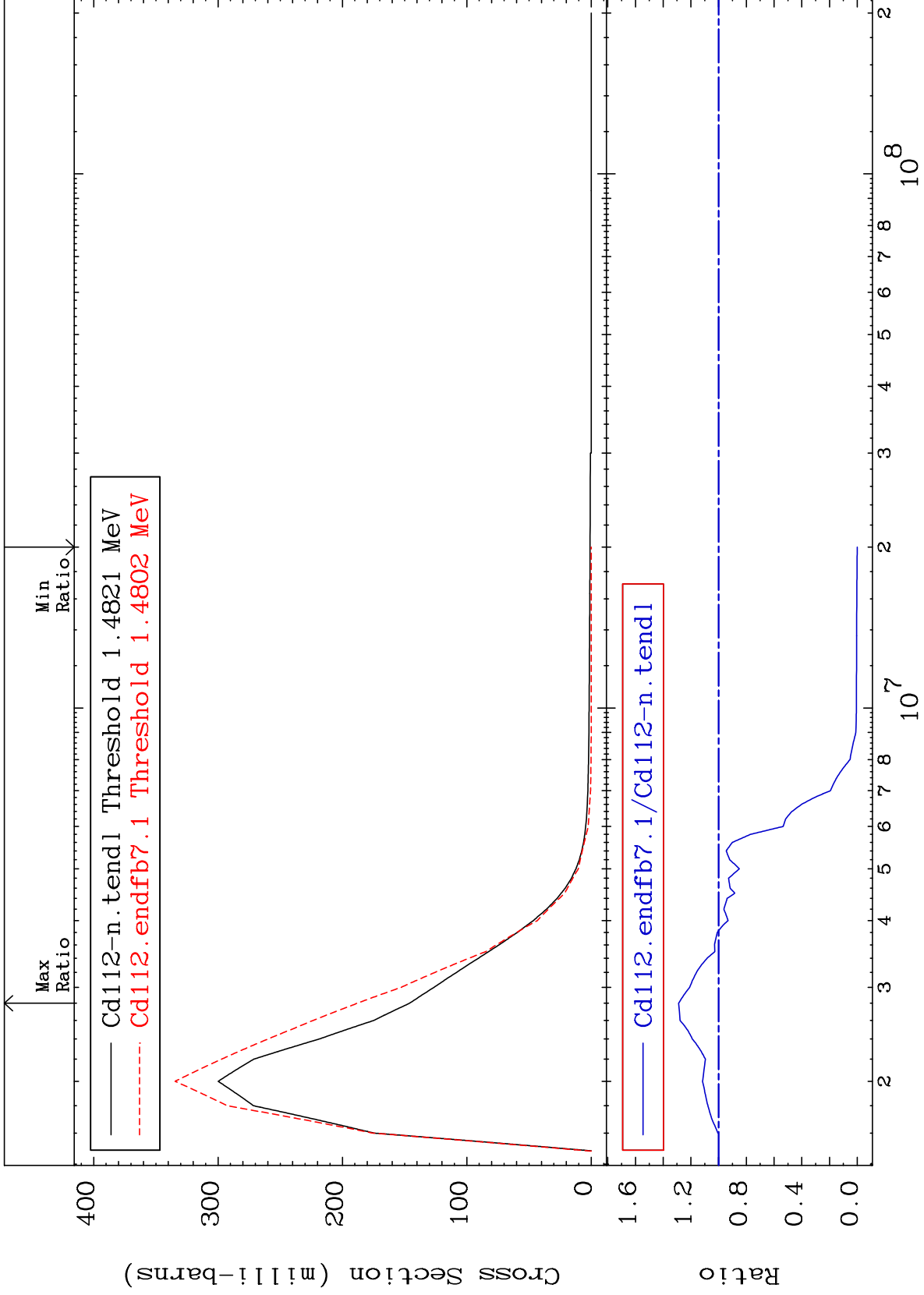
Incident Energy (eV)

48-Cd-112

MAT 4843

1.469 MeV (n,n') Level
Cross Section

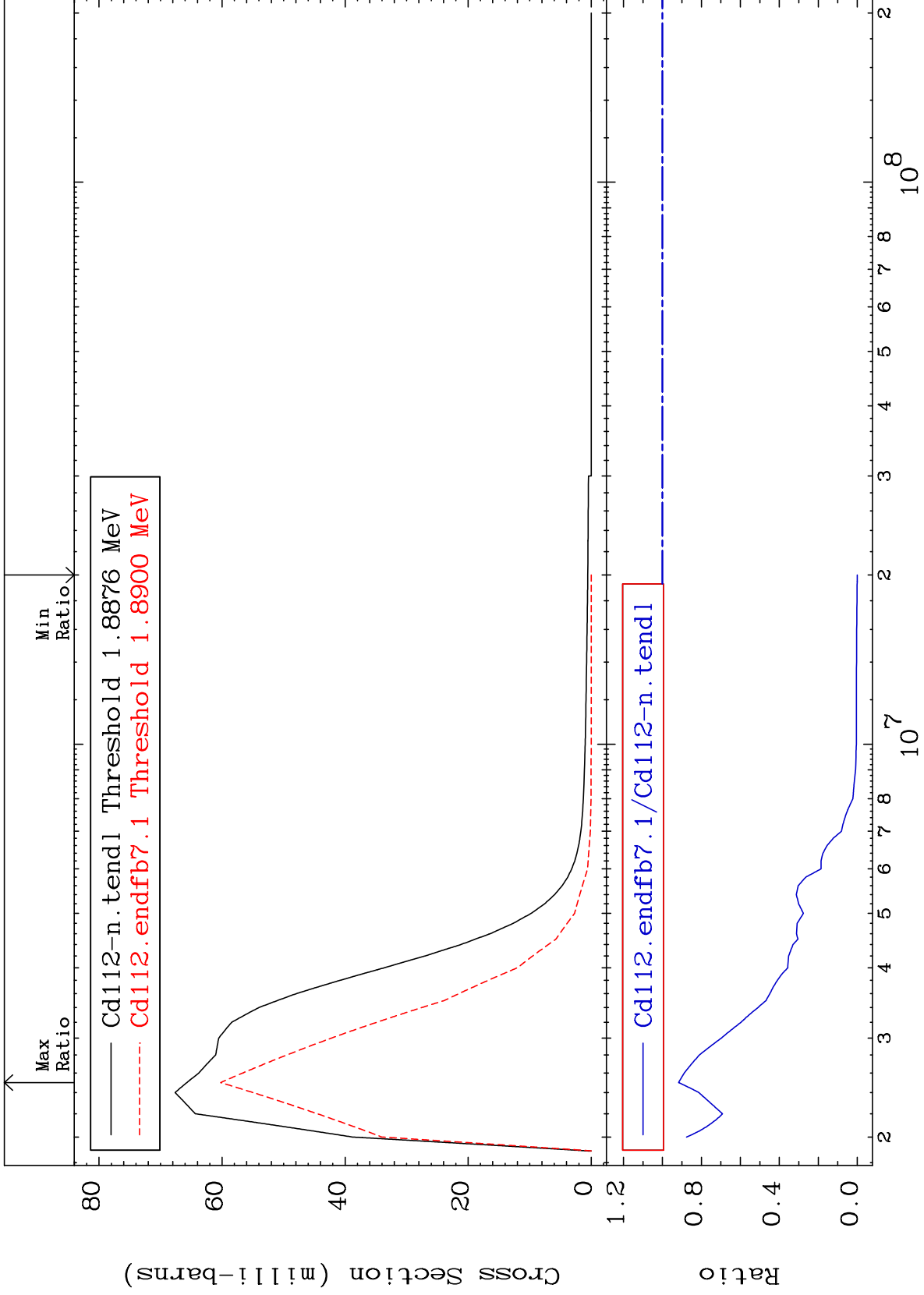
48-Cd-112
-100.0 To 28.84 %



MAT 4843

1.871 MeV (n,n') Level
Cross Section

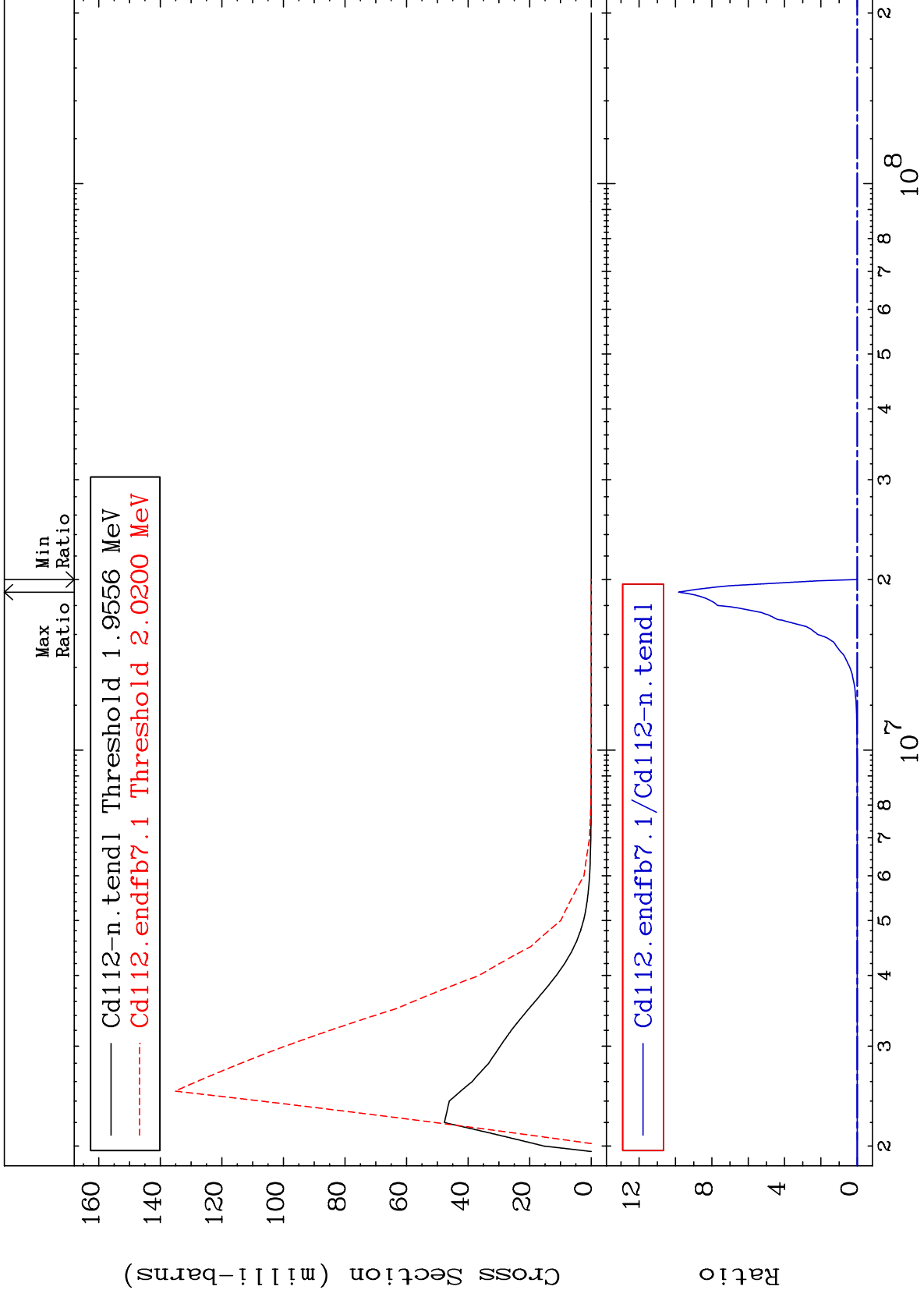
48-Cd-112
-100.0 To -8.326%



MAT 4843

1.938 MeV (n,n') Level
Cross Section

48-Cd-112
-100.0 To 9999. %



17

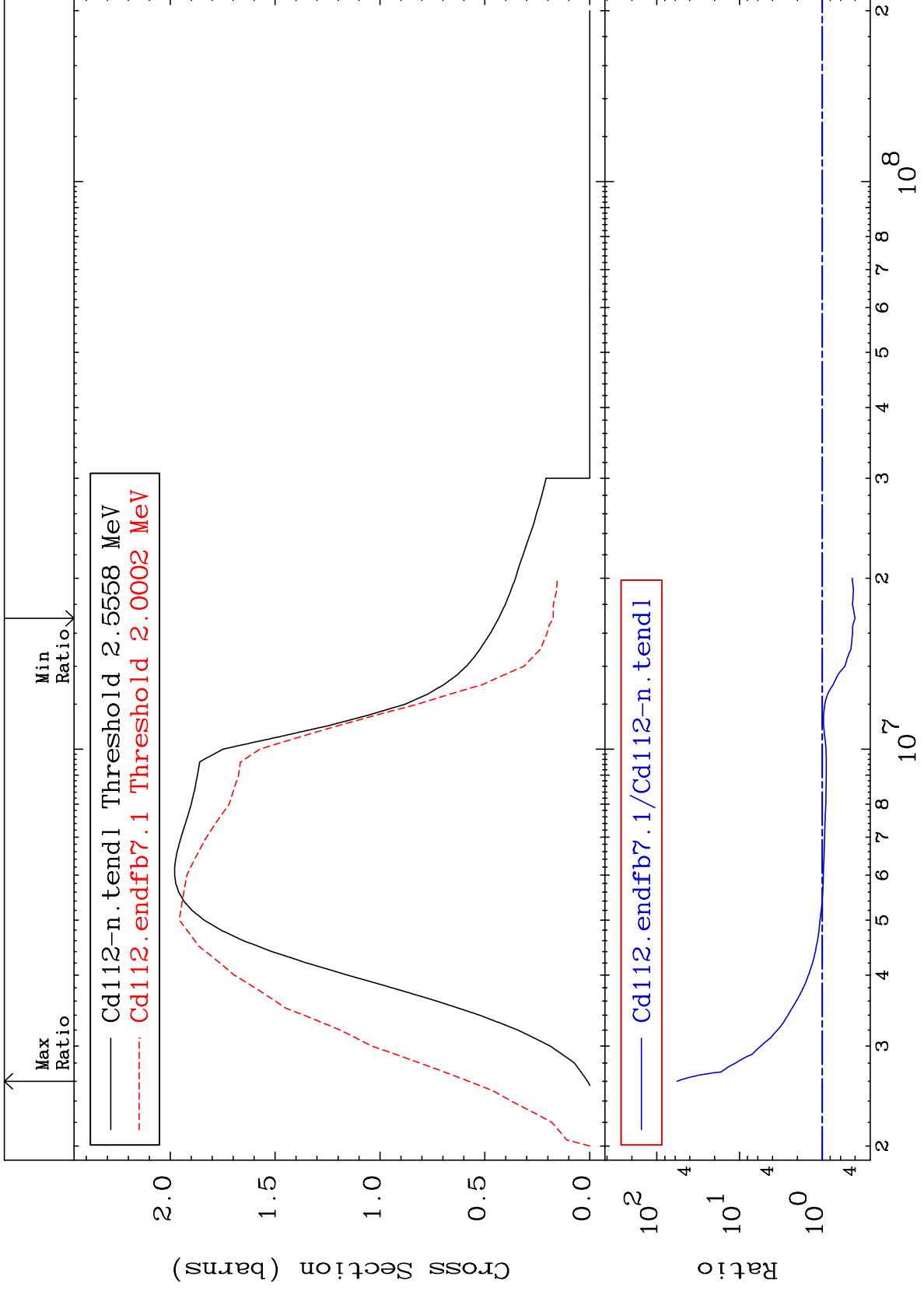
Incident Energy (eV)

48-Cd-112

MAT 4843

(n, n') Continuum
Cross Section

48-Cd-112
-59.93 To 5607. %



18

Incident Energy (eV)

48-Cd-112

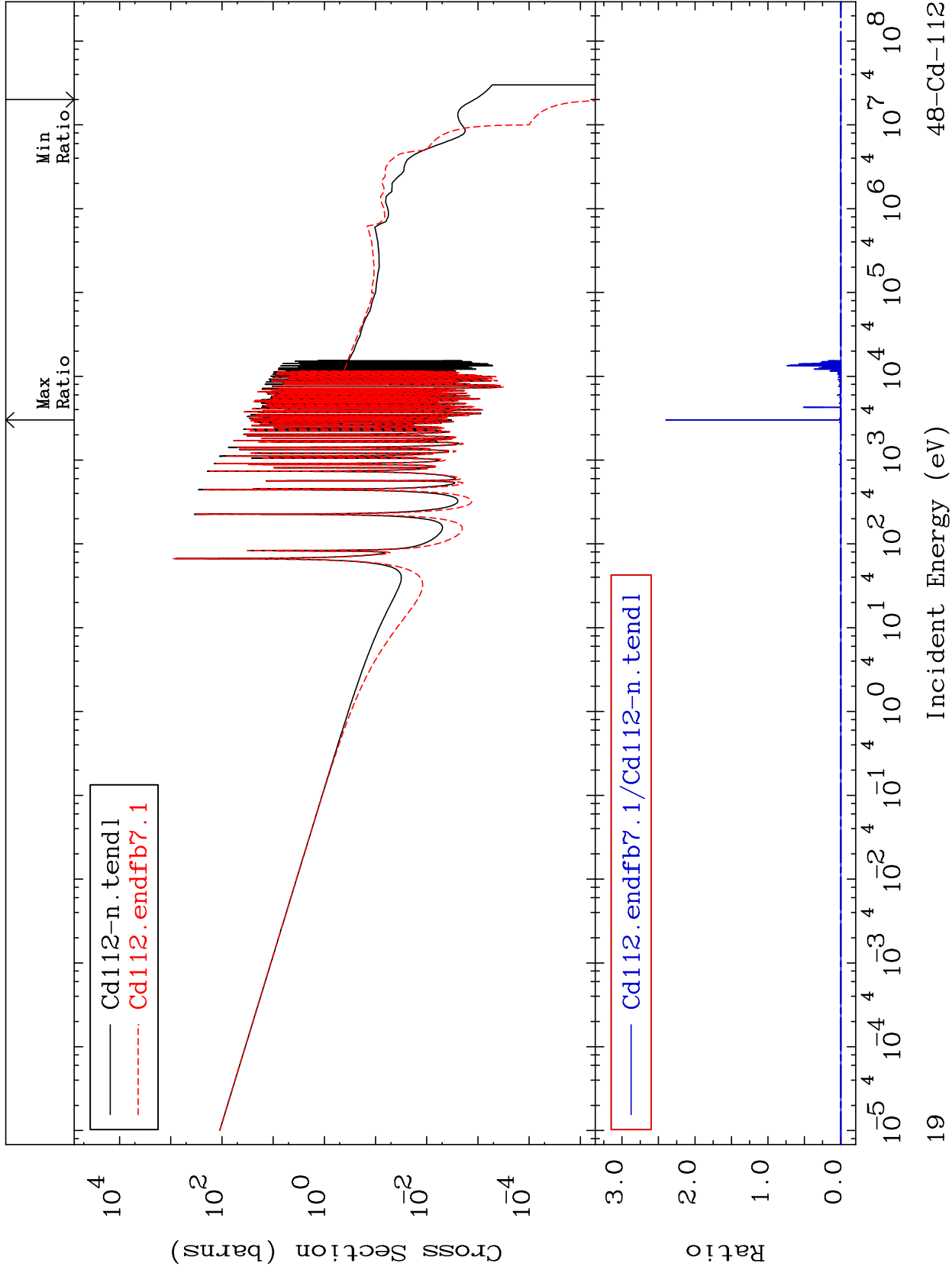
MAT 4843

(n, γ)

48-Cd-112

Cross Section

-100.0 To 9999. %



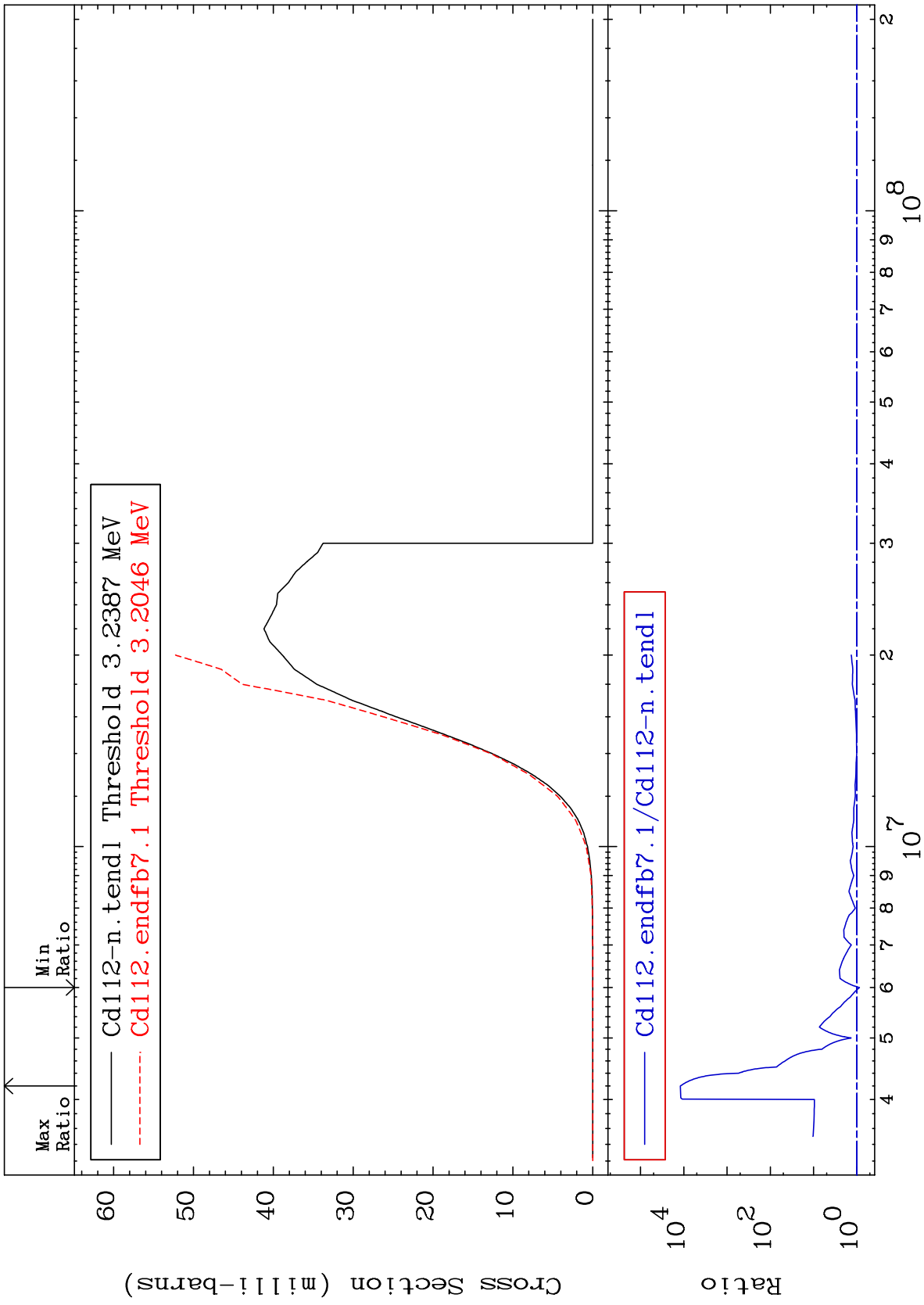
MAT 4843

(n,p)

48-Cd-112

Cross Section

-12.66 To 9999. %



20

Incident Energy (eV)

48-Cd-112

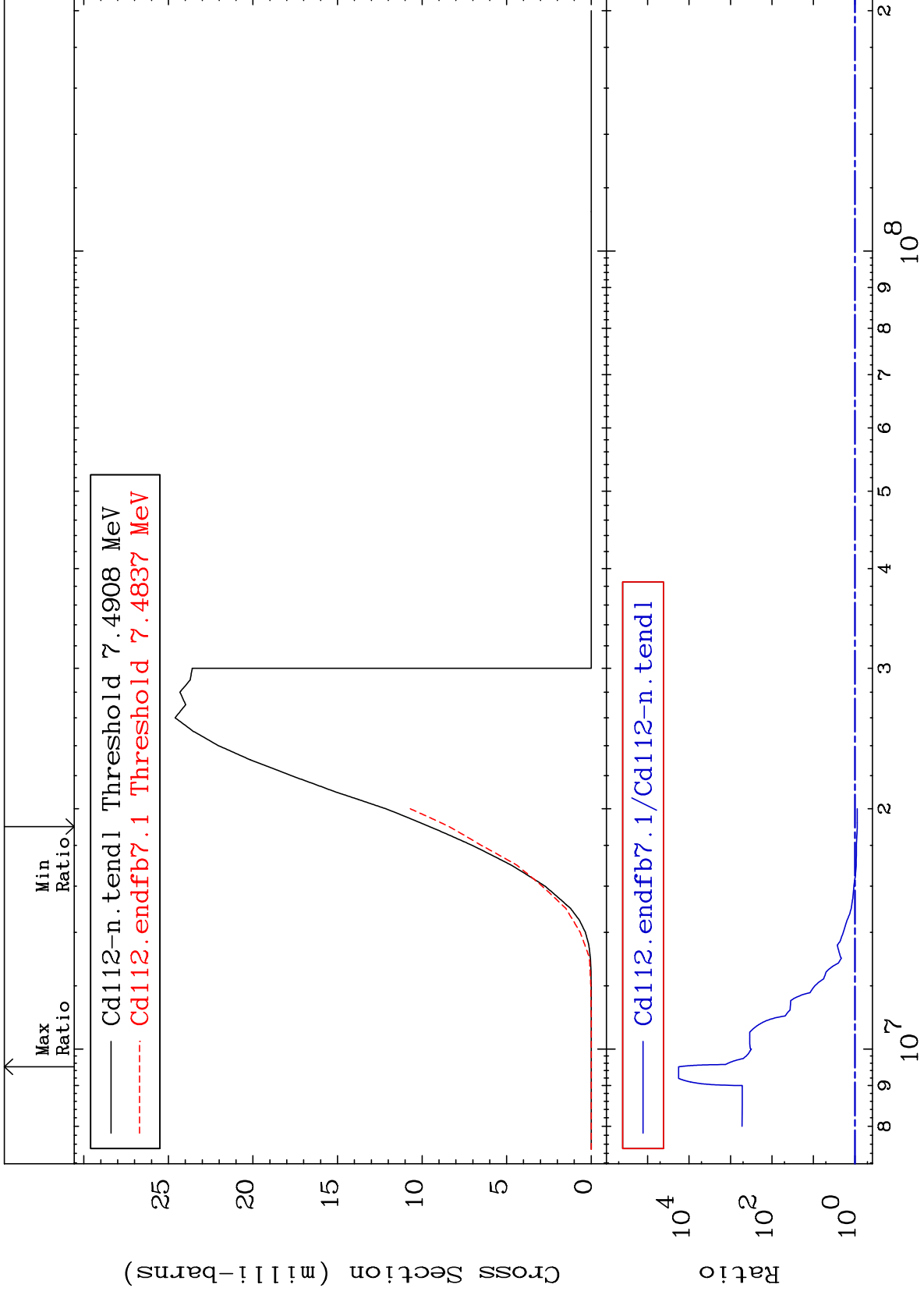
MAT 4843

(n, d)

48-Cd-112

Cross Section

-12.13 To 9999. %



21

Incident Energy (eV)

48-Cd-112

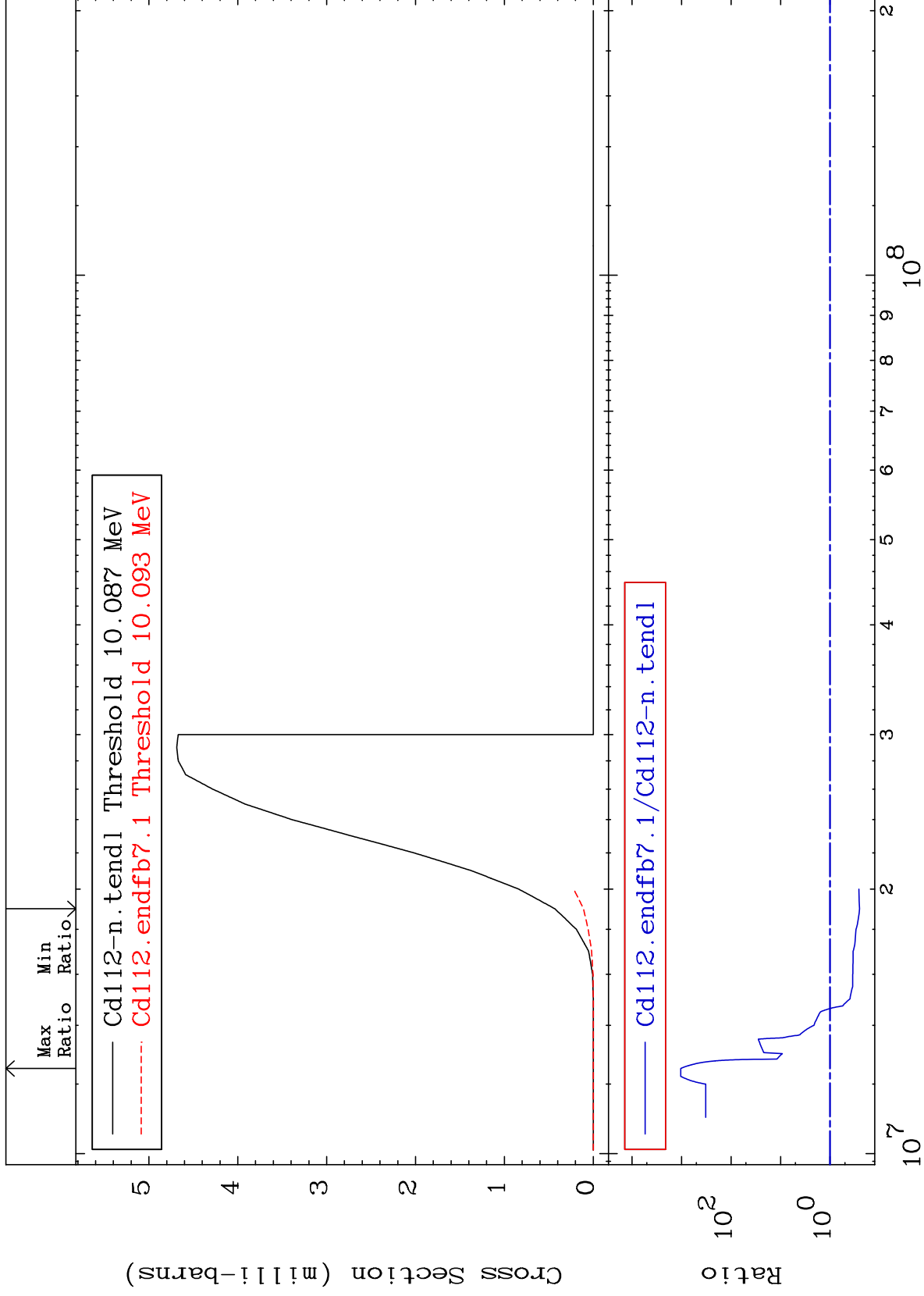
MAT 4843

(n, t)

48-Cd-112

Cross Section

-74.60 To 9999. %



22

Incident Energy (eV)

48-Cd-112

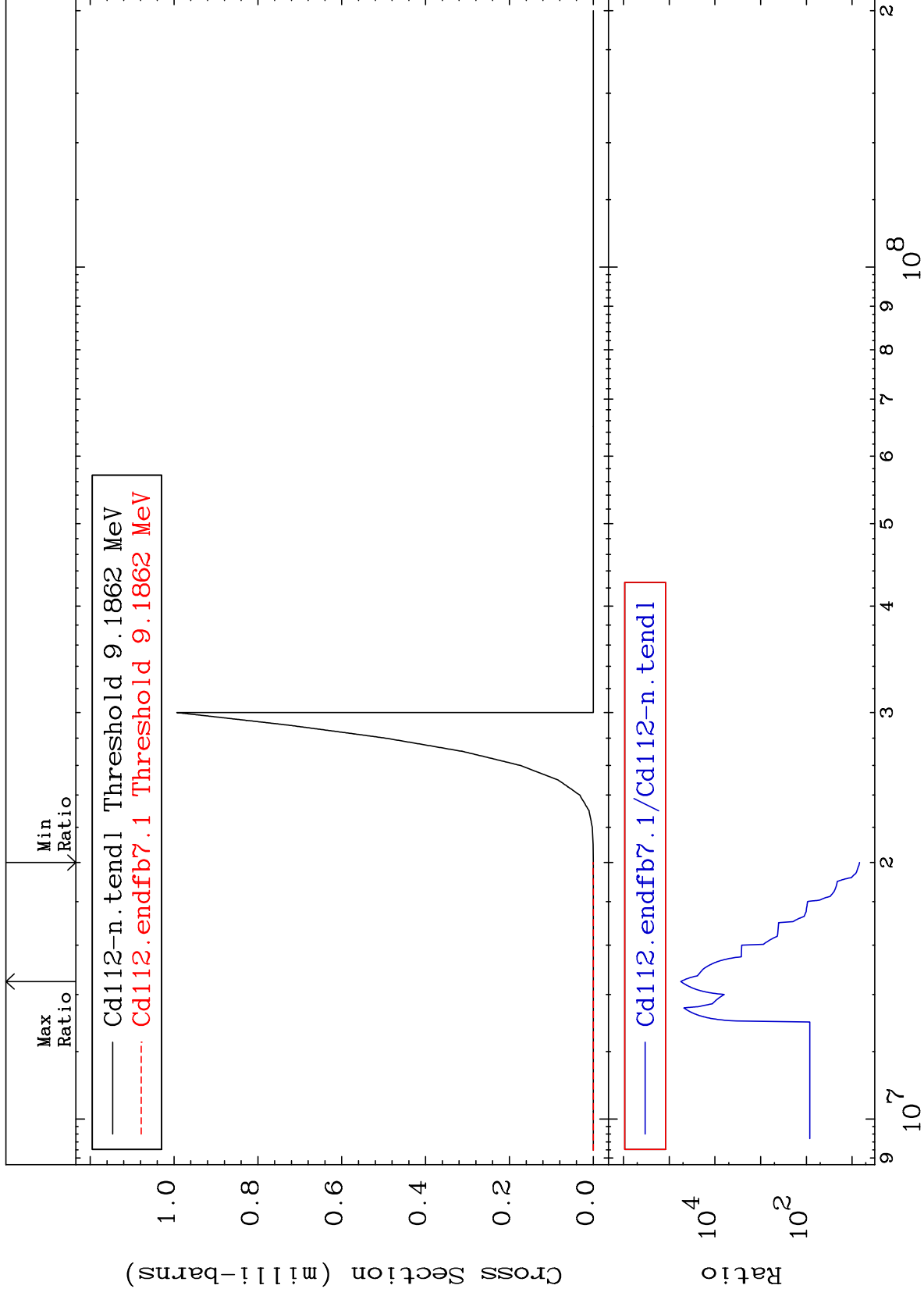
MAT 4843

(n, He-3)

48-Cd-112

Cross Section

587.6 To 9999. %



23

Incident Energy (eV)

48-Cd-112

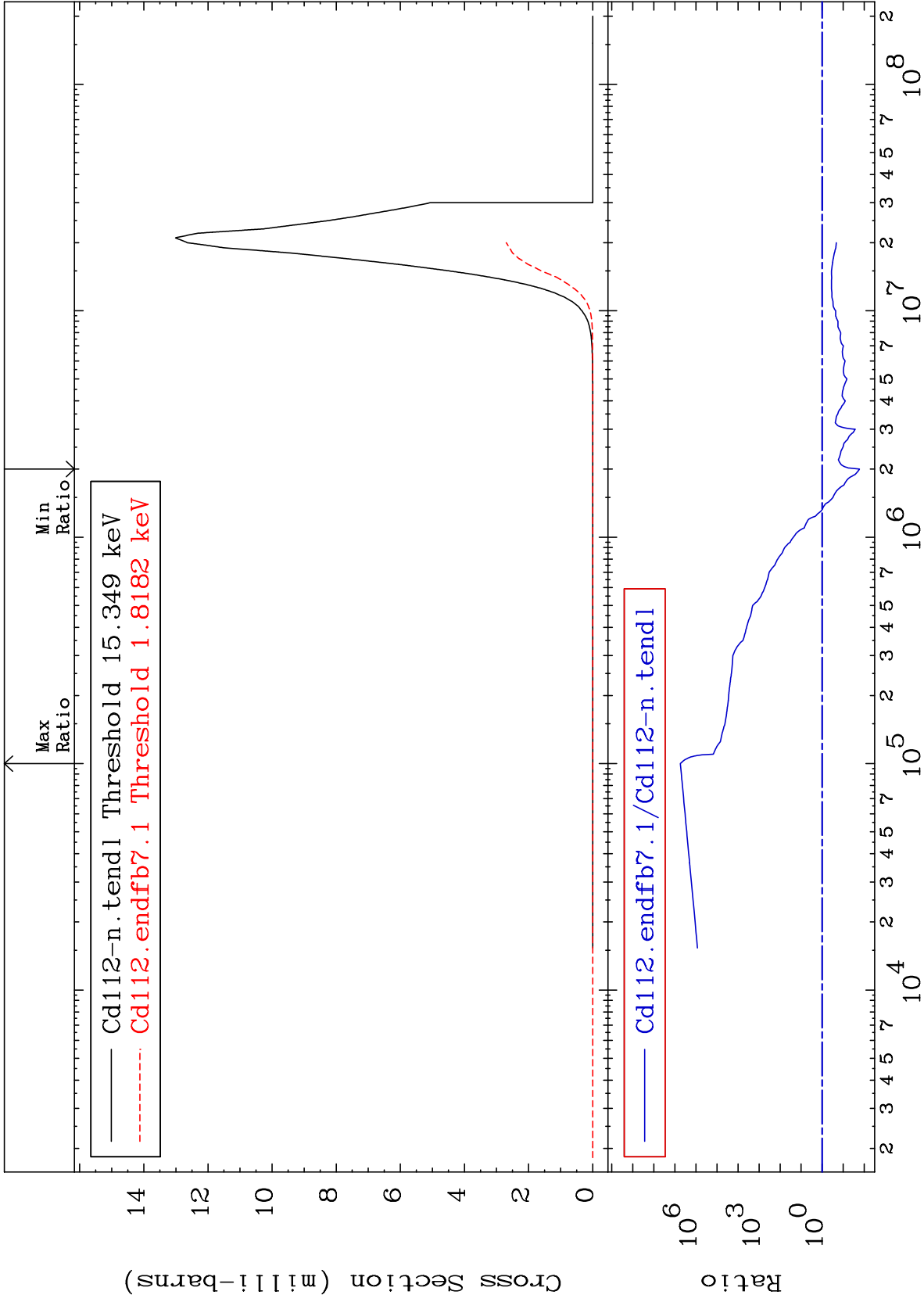
MAT 4843

(n, α)

48-Cd-112

Cross Section

-98.30 To 9999. %



24

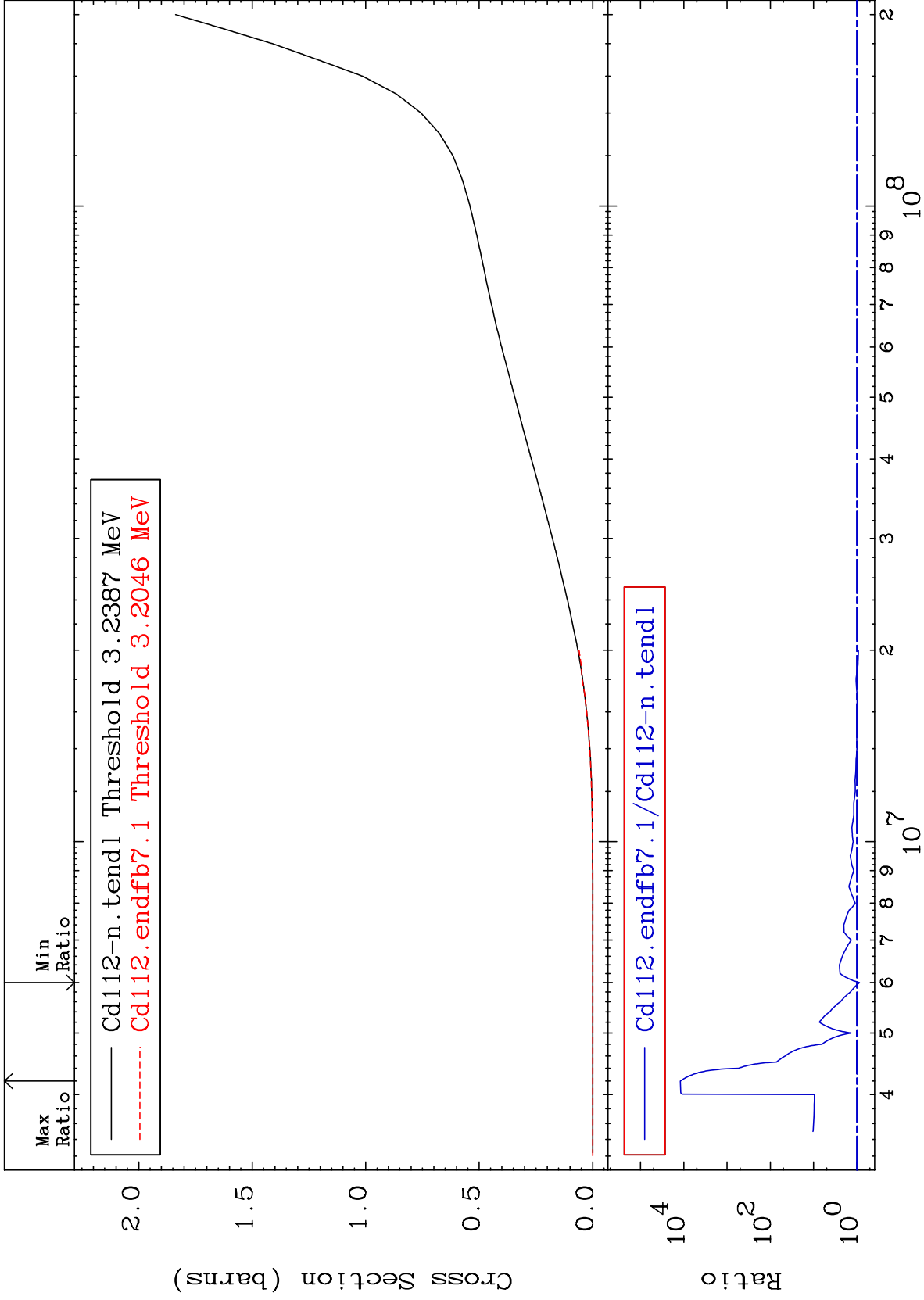
Incident Energy (eV)

48-Cd-112

MAT 4843

Hydrogen Production
Cross Section

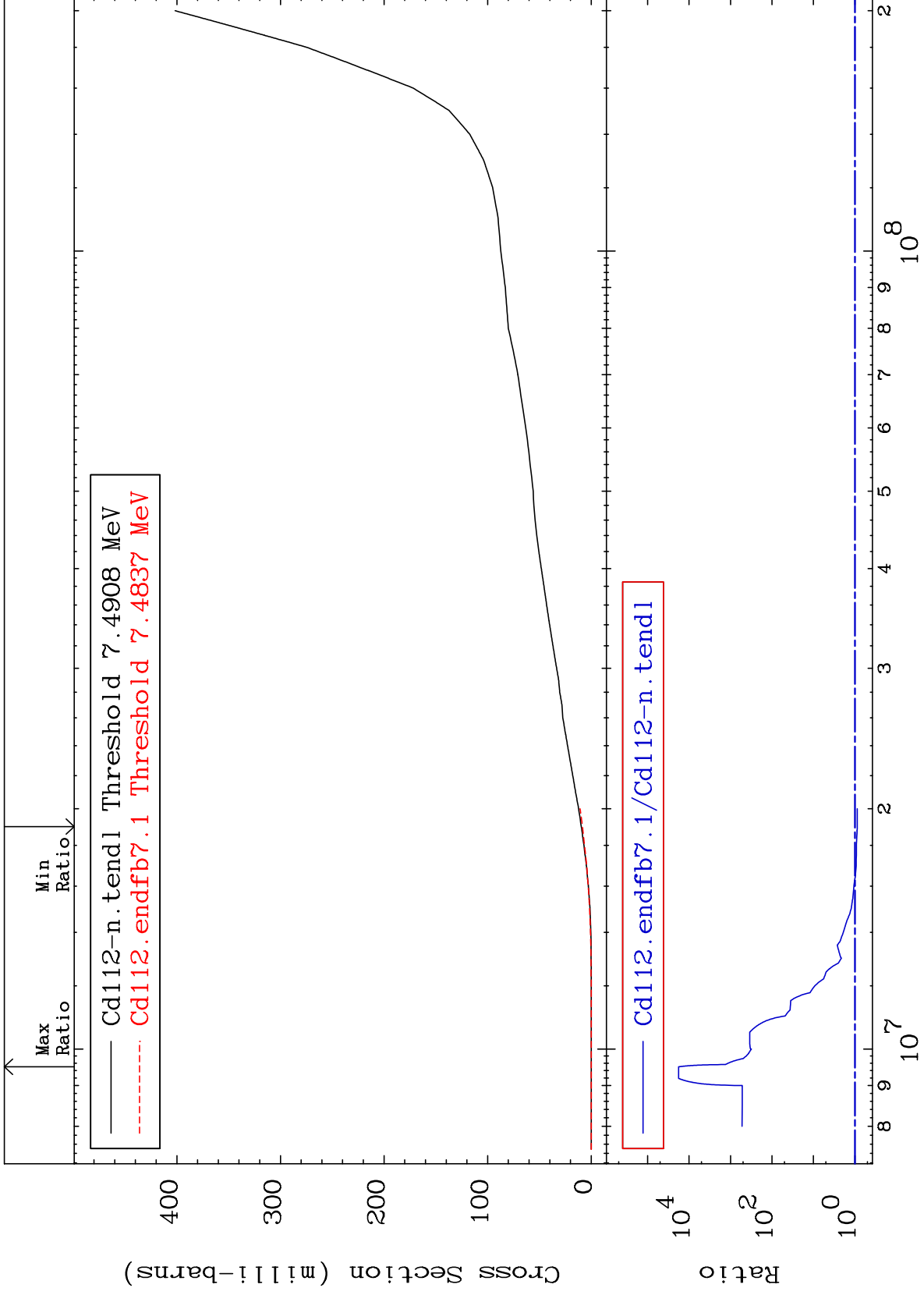
48-Cd-112
-12.66 To 9999. %



MAT 4843

Deuterium Production
Cross Section

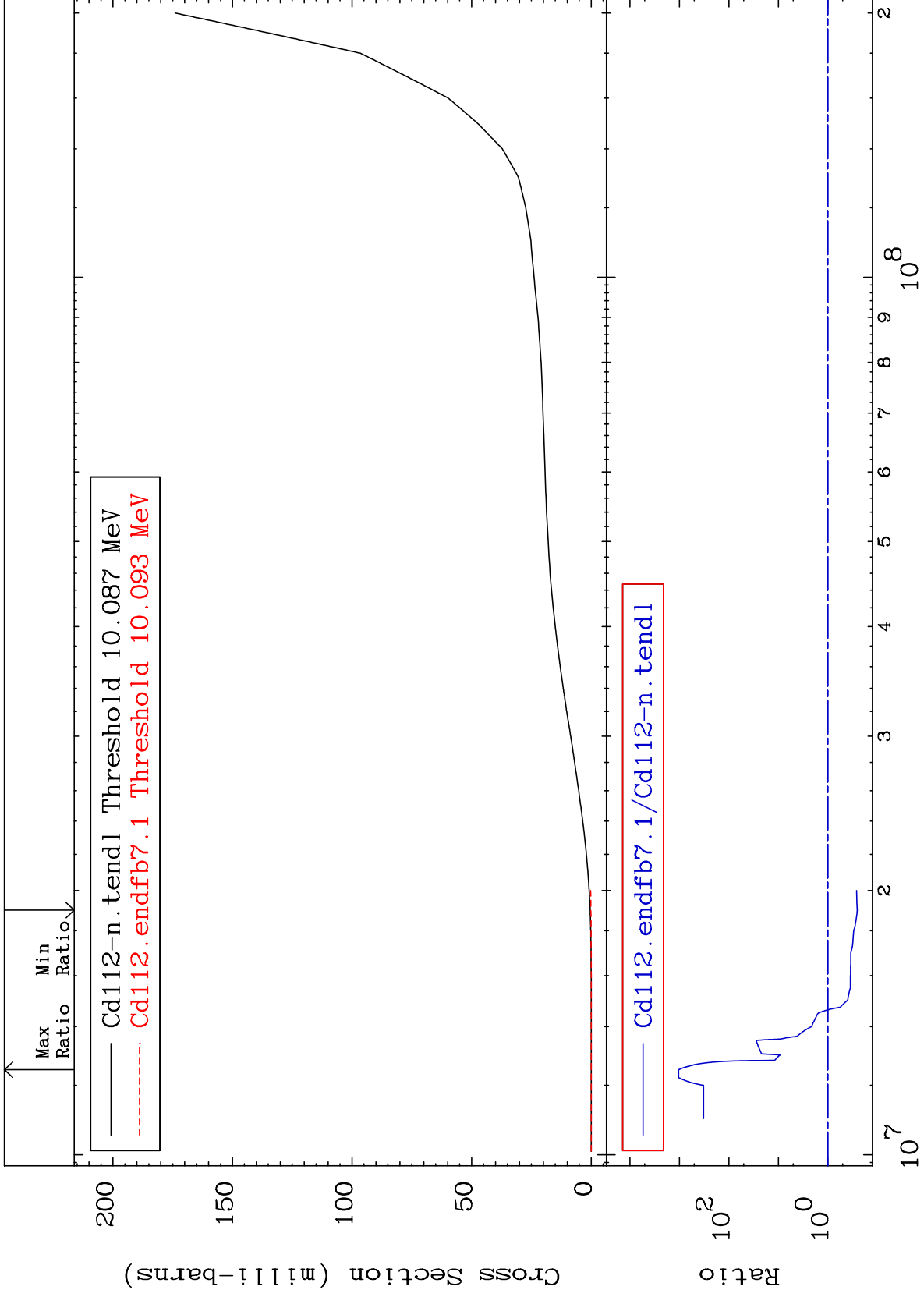
48-Cd-112
-12.14 To 9999. %



MAT 4843

Tritium Production
Cross Section

48-Cd-112
-74.60 To 9999. %



27

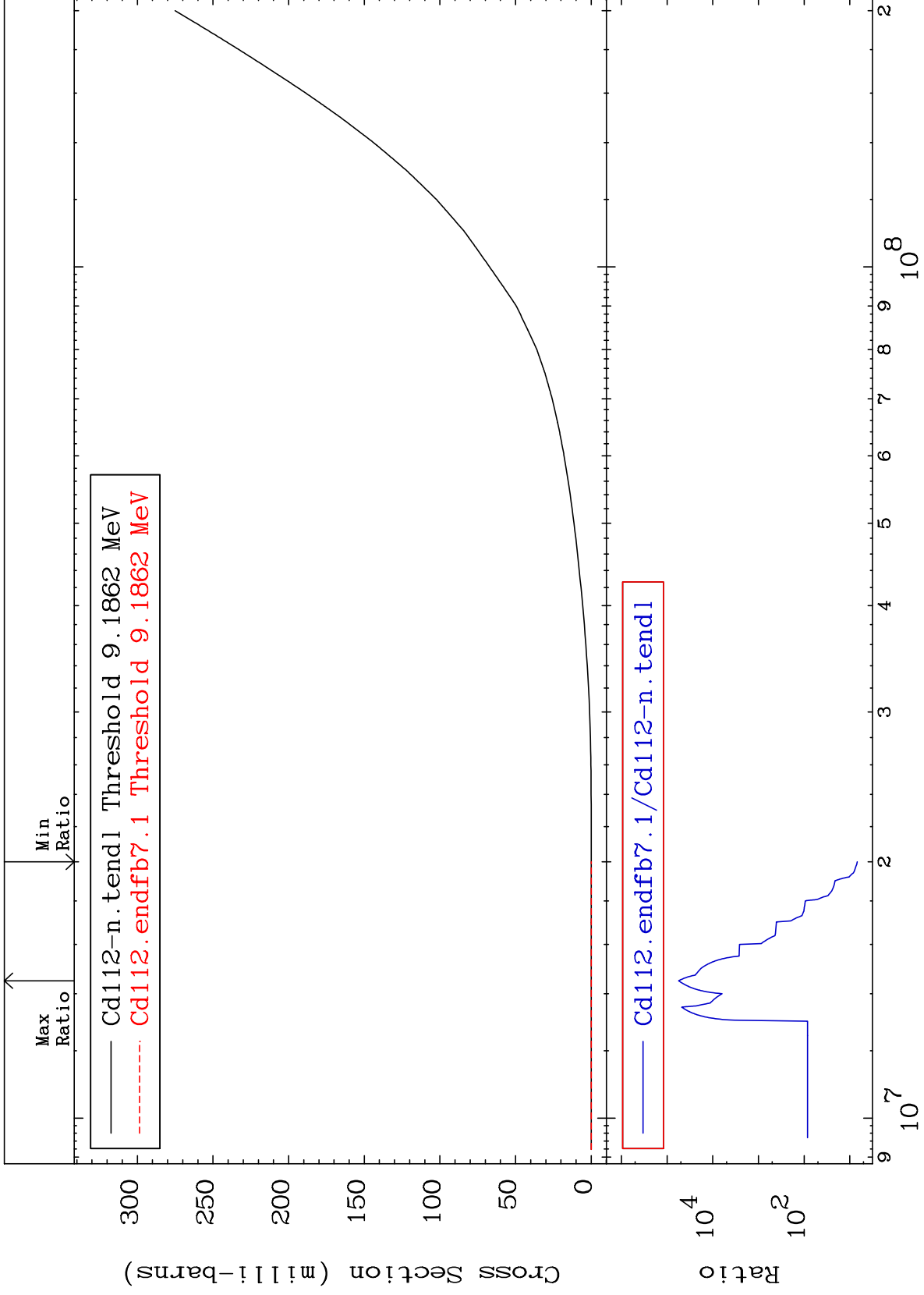
Incident Energy (eV)

48-Cd-112

MAT 4843

He-3 Production
Cross Section

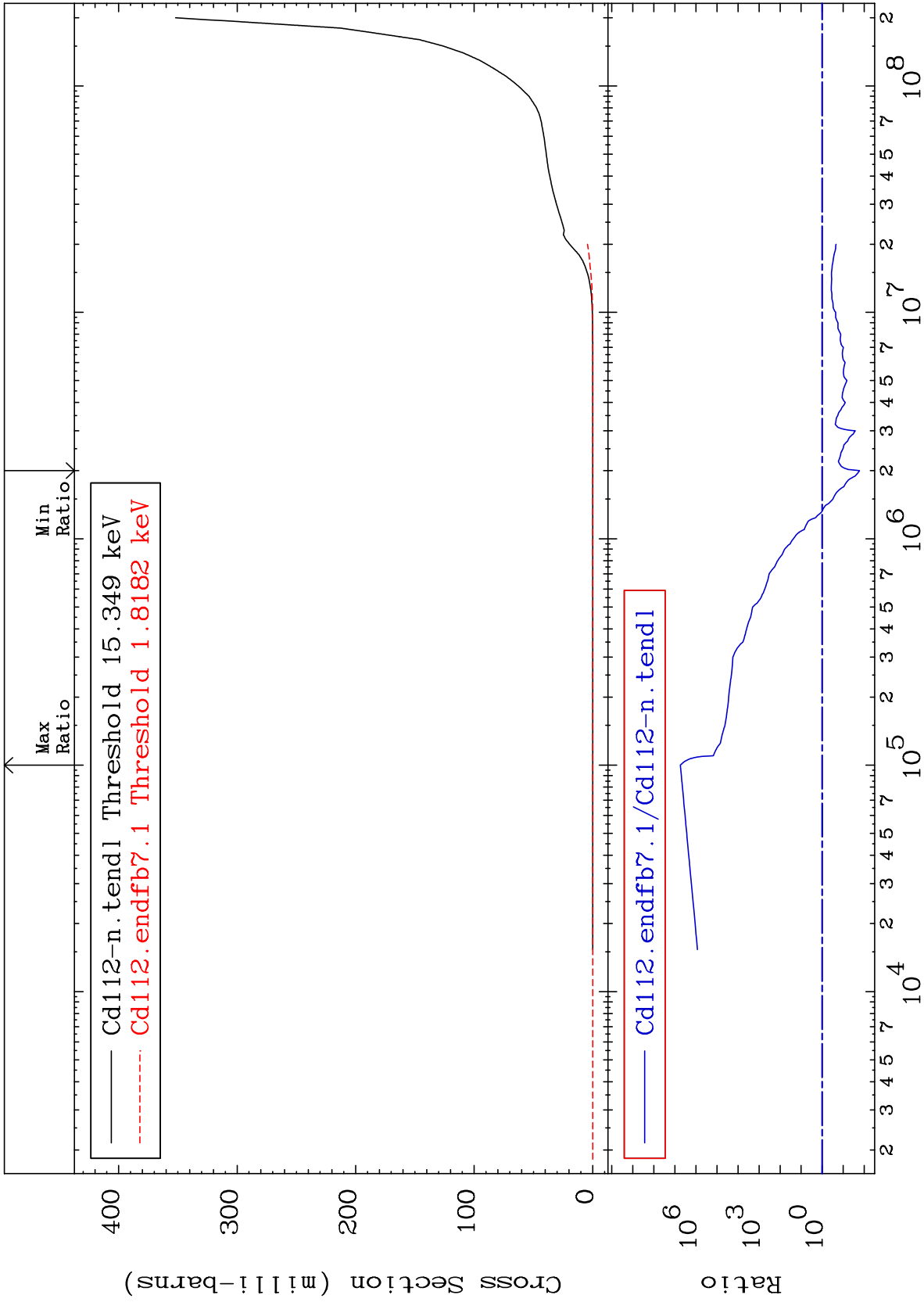
48-Cd-112
587.6 To 9999. %



28

Incident Energy (eV)

48-Cd-112



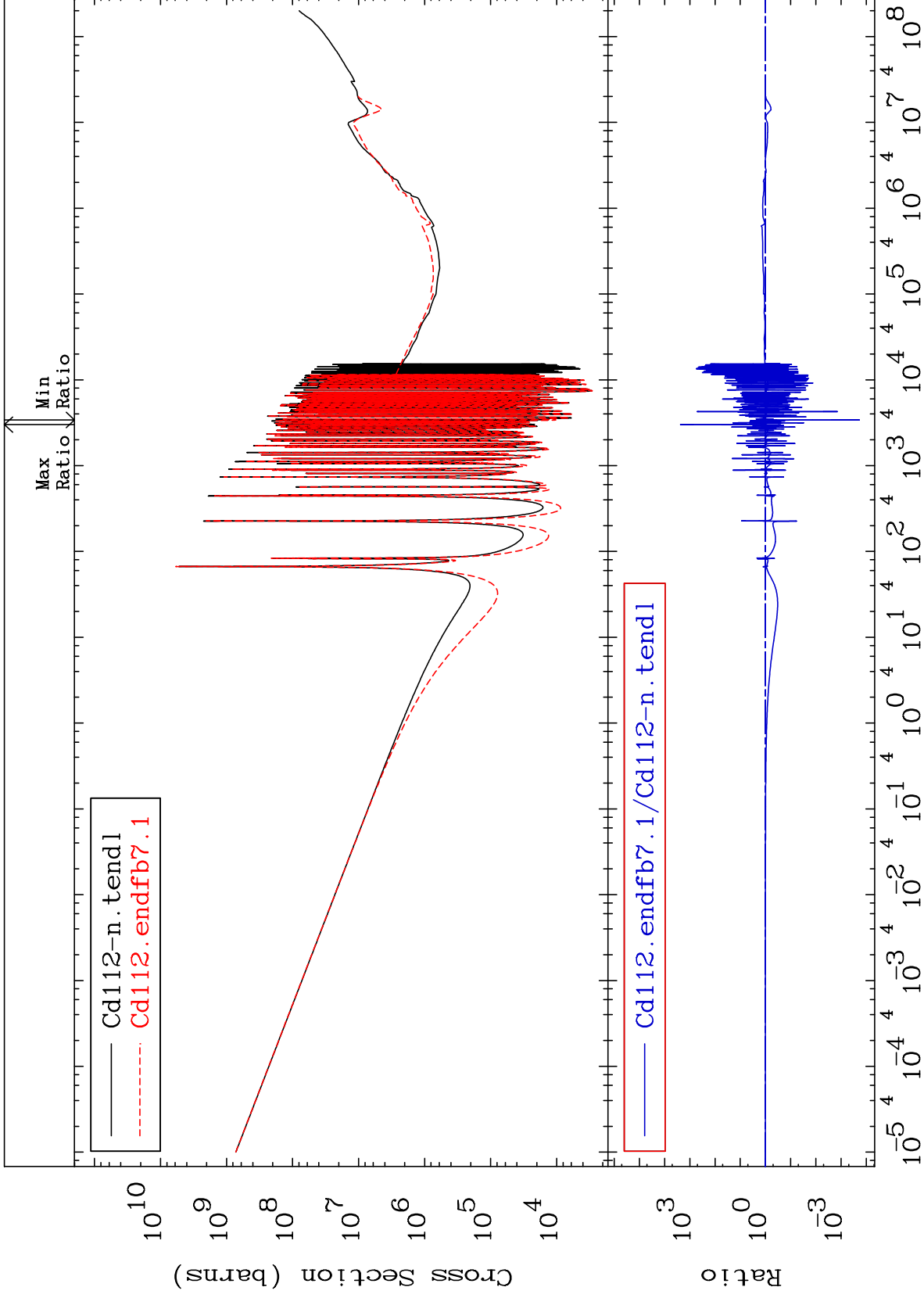
MAT 4843

Kerma total (eV-barns)

48-Cd-112

Cross Section

-99.98 To 9999. %



30

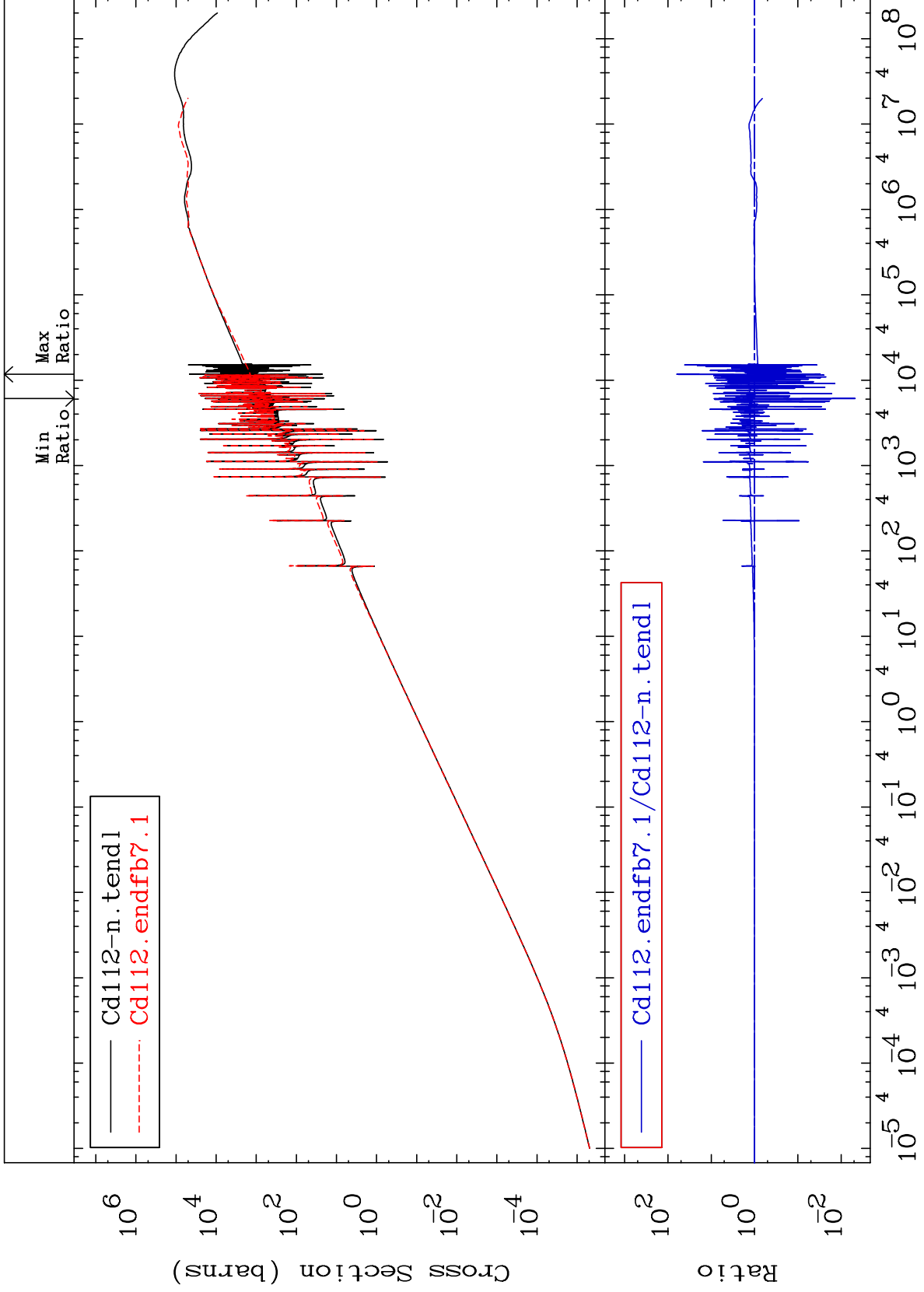
Incident Energy (eV)

48-Cd-112

MAT 4843

Kerma elastic
Cross Section

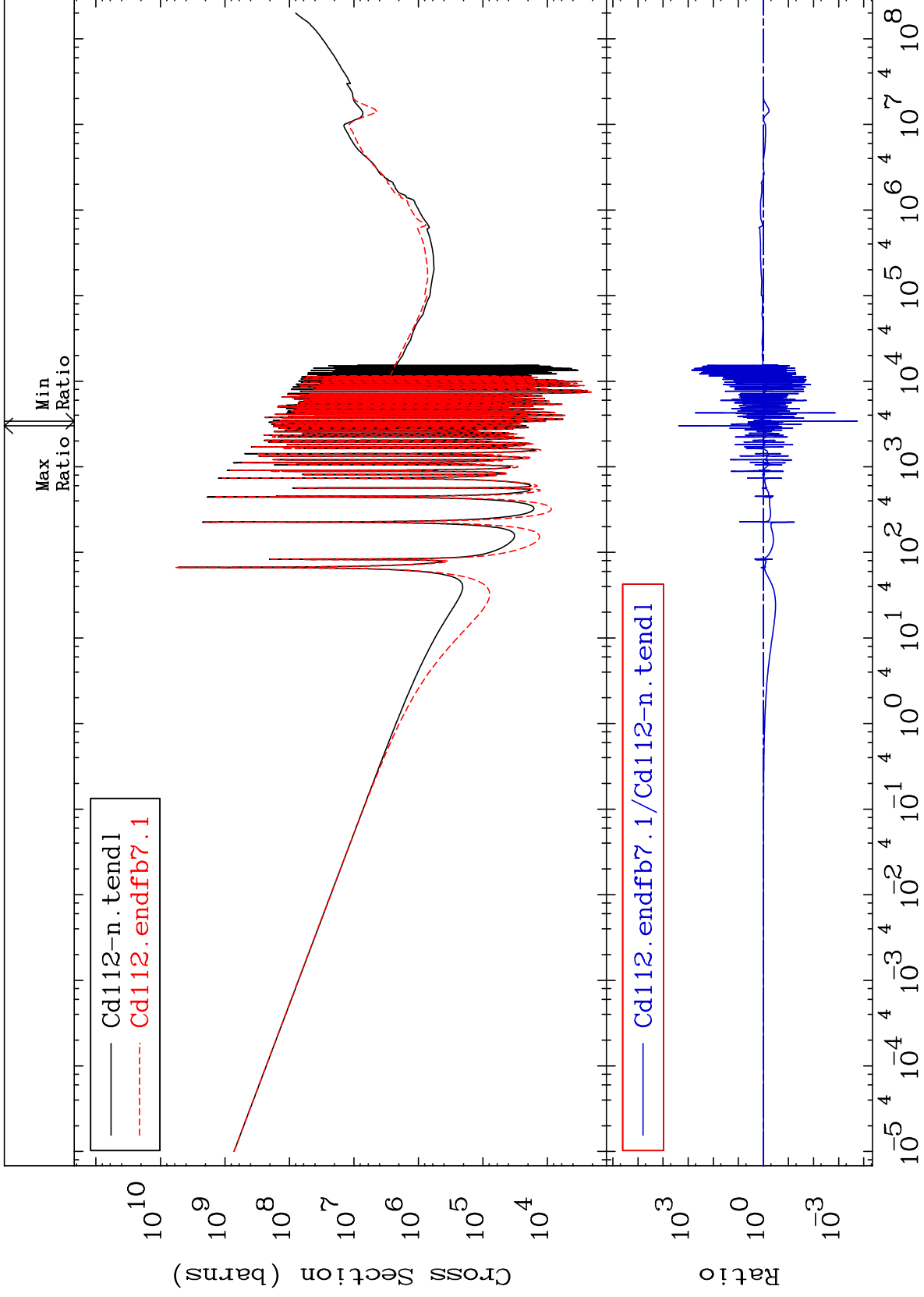
48-Cd-112
-99.52 To 6098. %



MAT 4843

Kerma non-elastic (all but mt2)
Cross Section

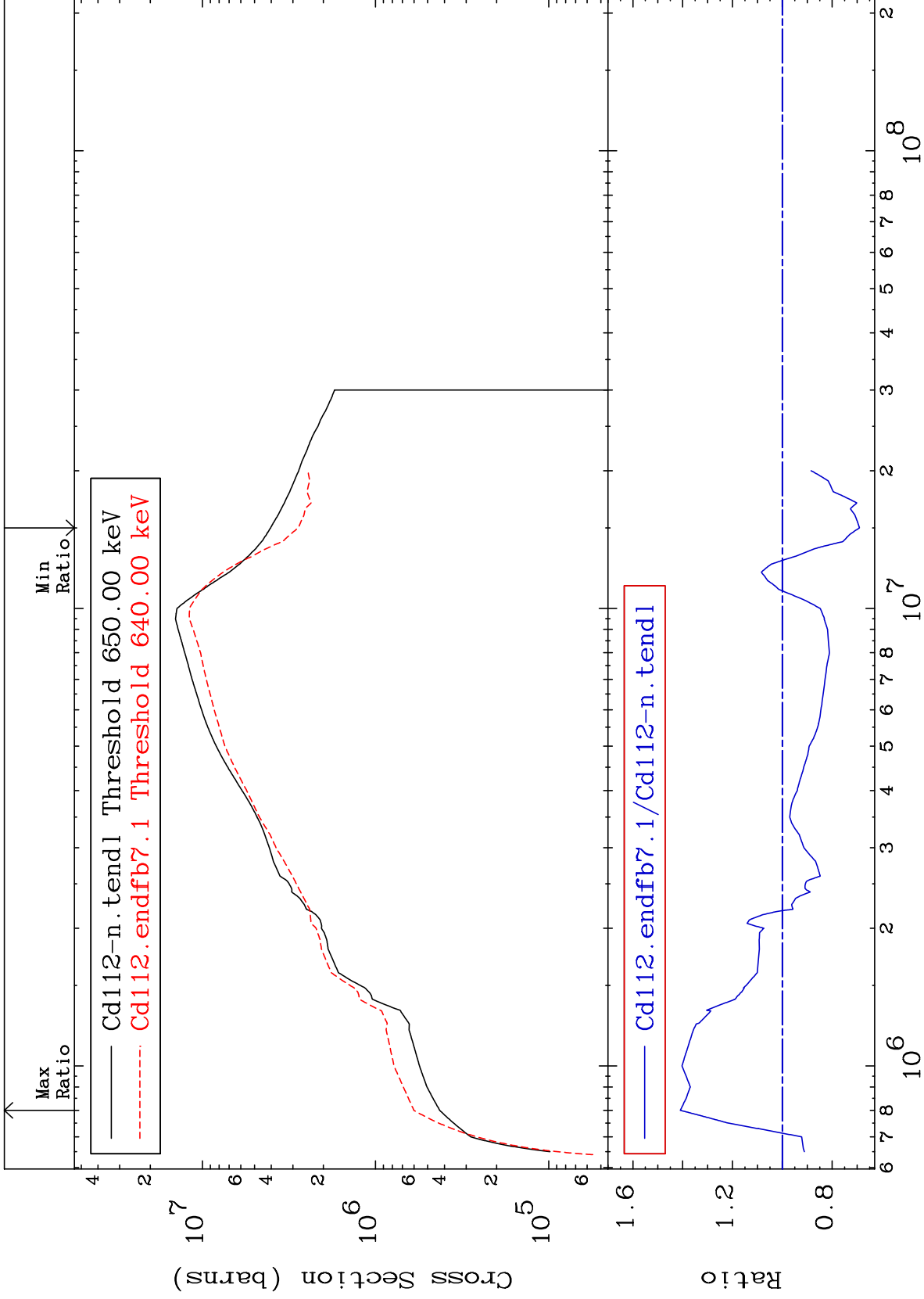
48-Cd-112
-99.98 To 9999. %



MAT 4843

Kerma inelastic (mt51-91)
Cross Section

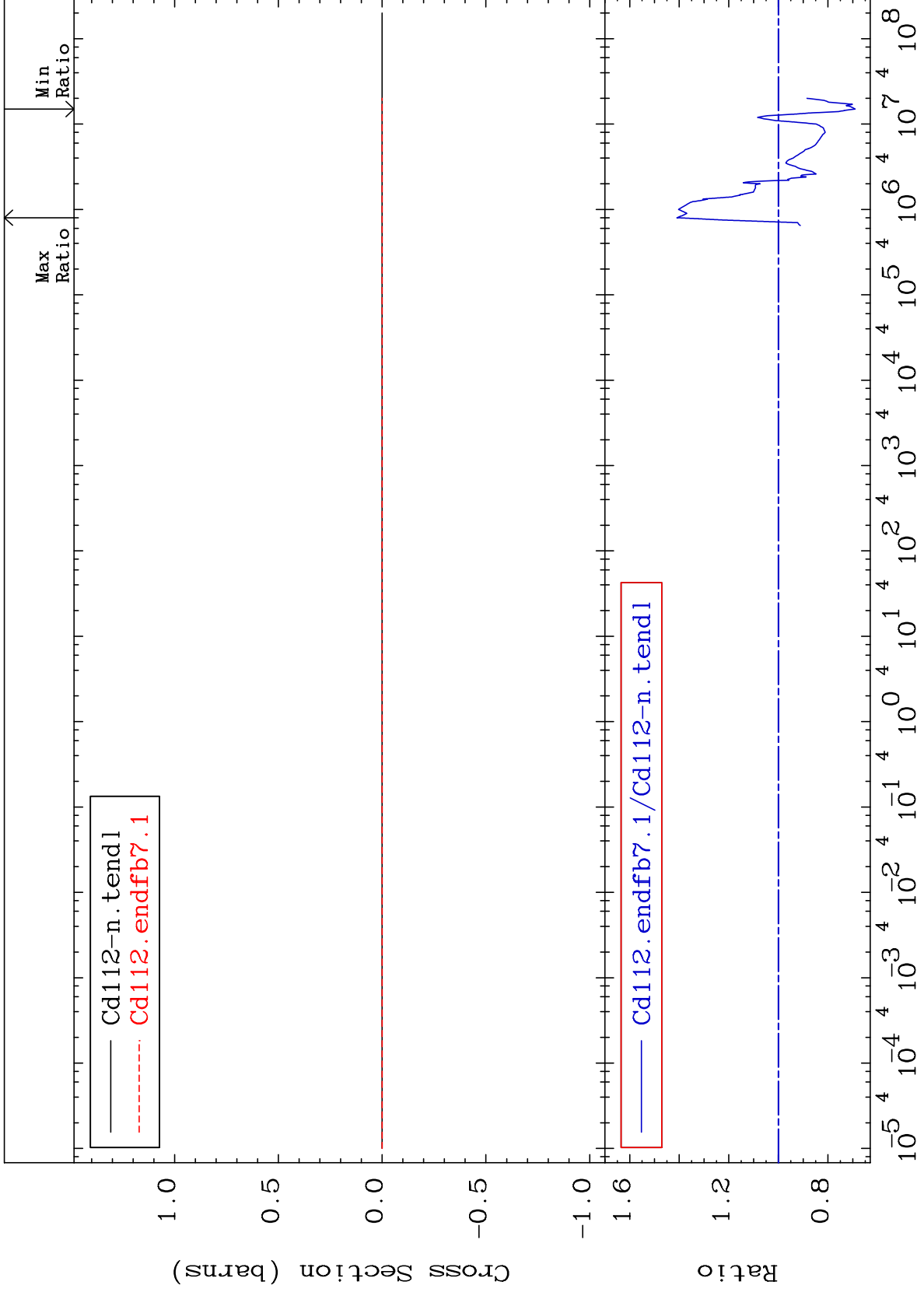
48-Cd-112
-30.94 To 40.94 %



MAT 4843

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

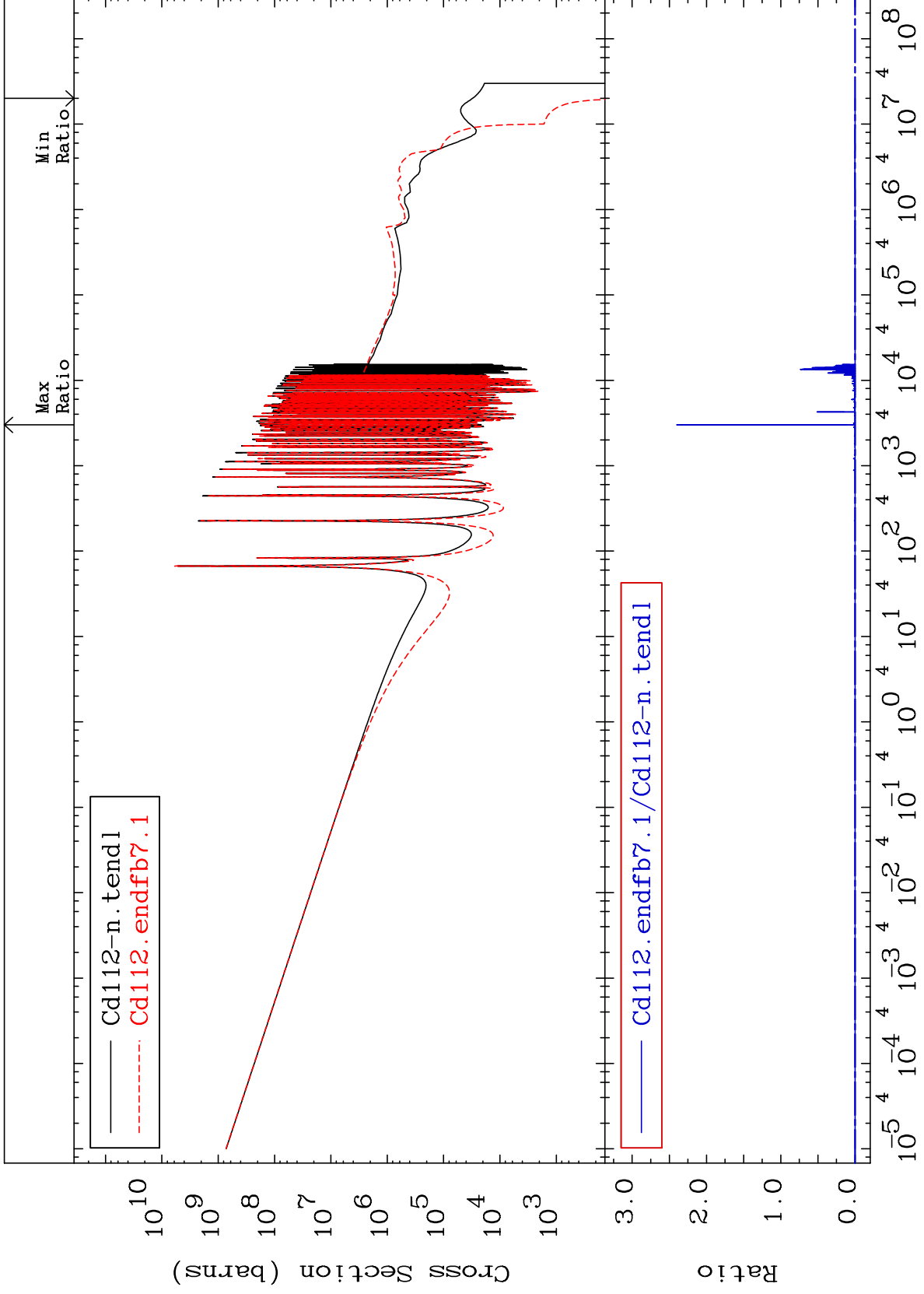
48-Cd-112
-30.94 To 40.94 %



MAT 4843

Kerma capture (mt102)
Cross Section

48-Cd-112
-100.0 To 9999. %



35

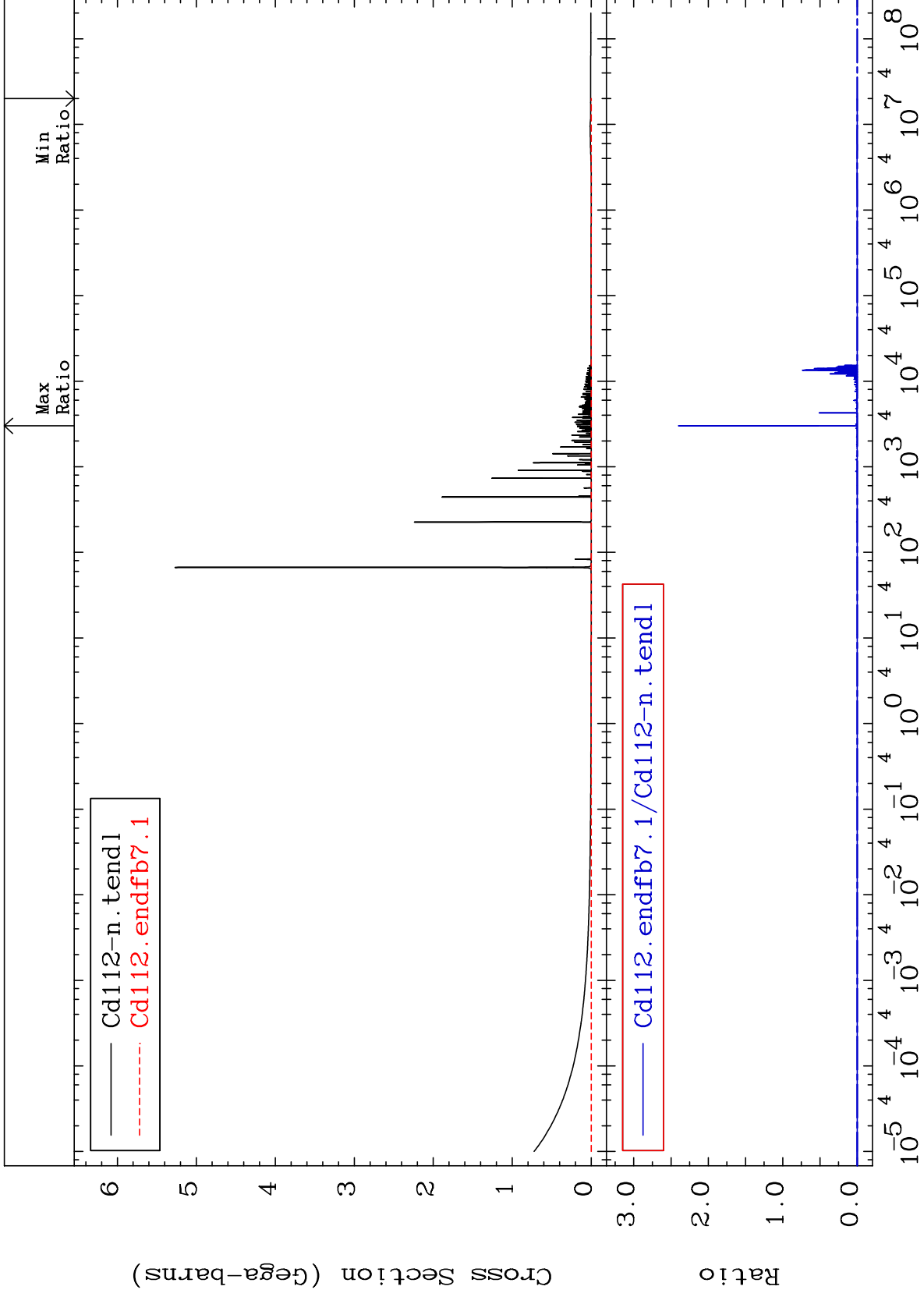
Incident Energy (eV)

48-Cd-112

MAT 4843

Total photon (eV-barns)
Cross Section

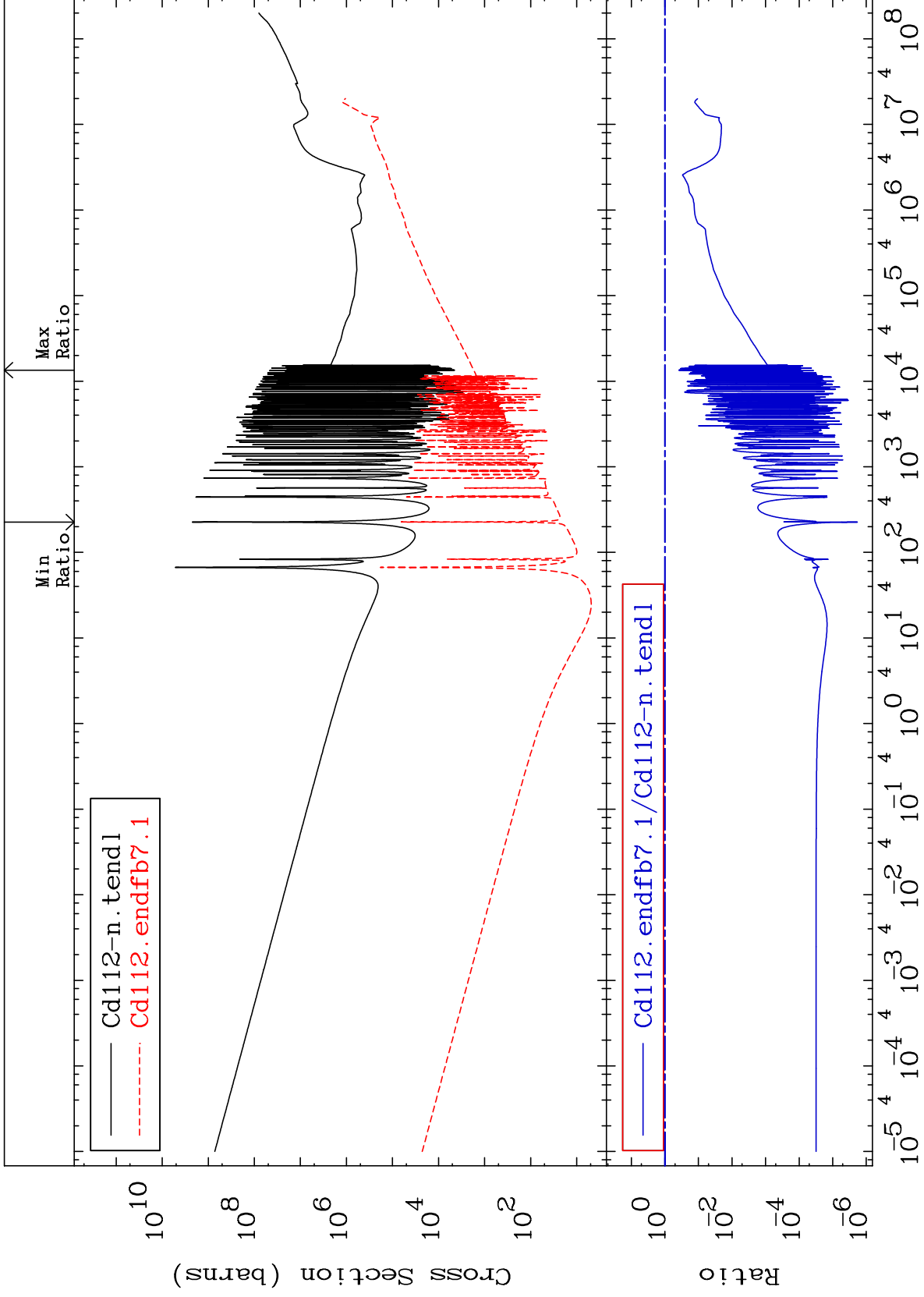
48-Cd-112
-100.0 To 9999. %



36

Incident Energy (eV)

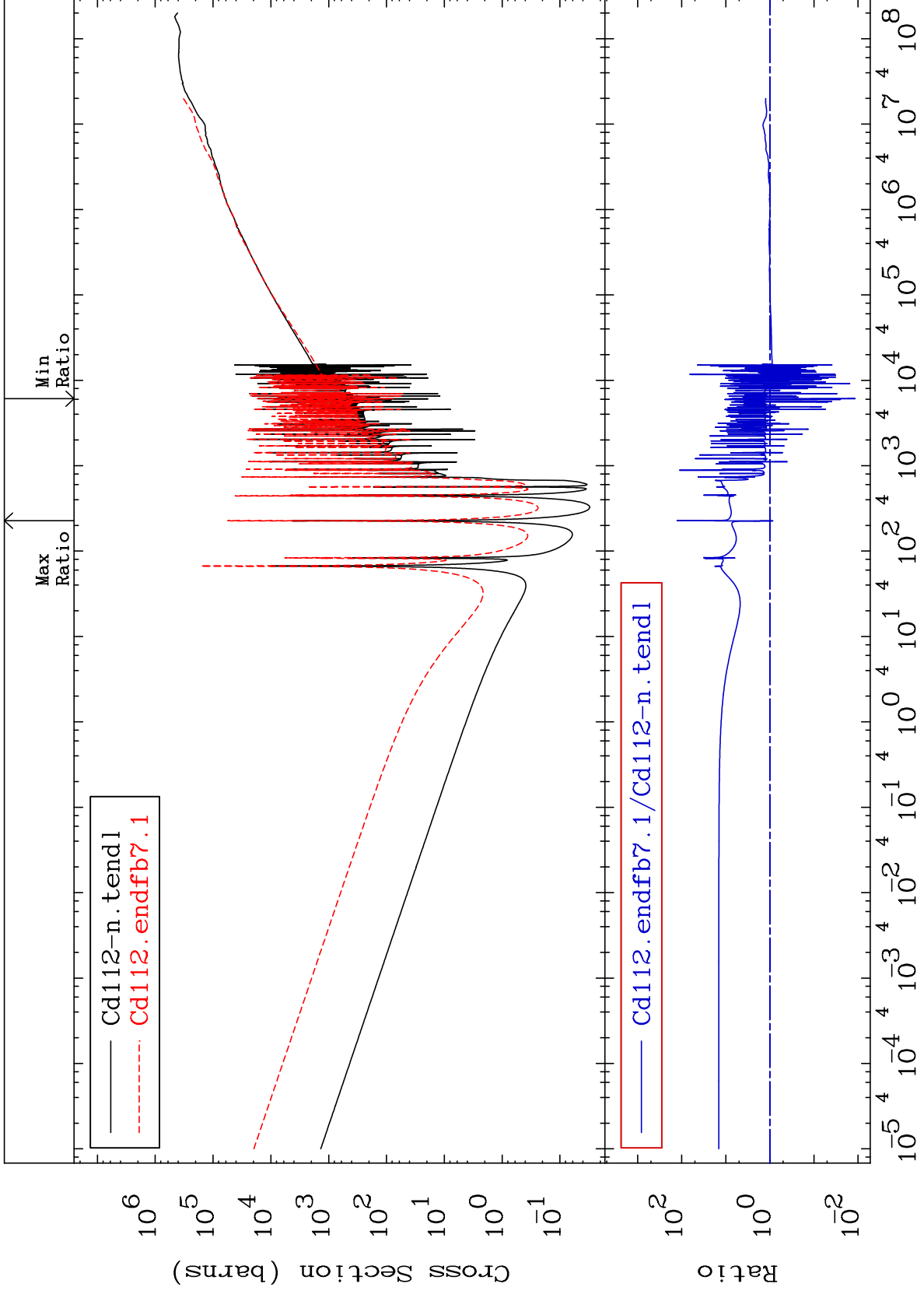
48-Cd-112



MAT 4843

Dpa total (eV-barns)
Cross Section

48-Cd-112
-98.84 To 9999. %



38

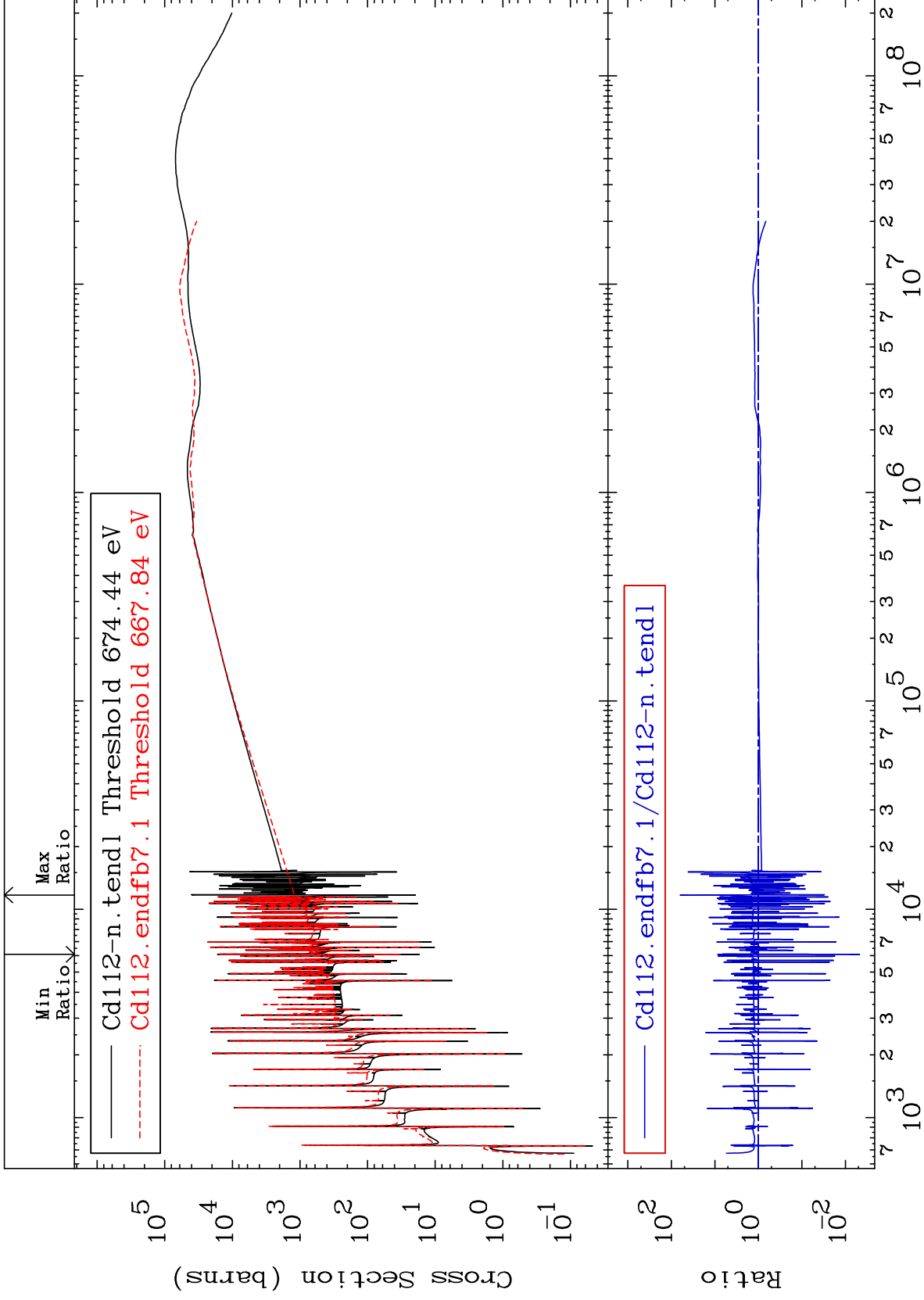
Incident Energy (eV)

48-Cd-112

MAT 4843

Dpa elastic (mt2)
Cross Section

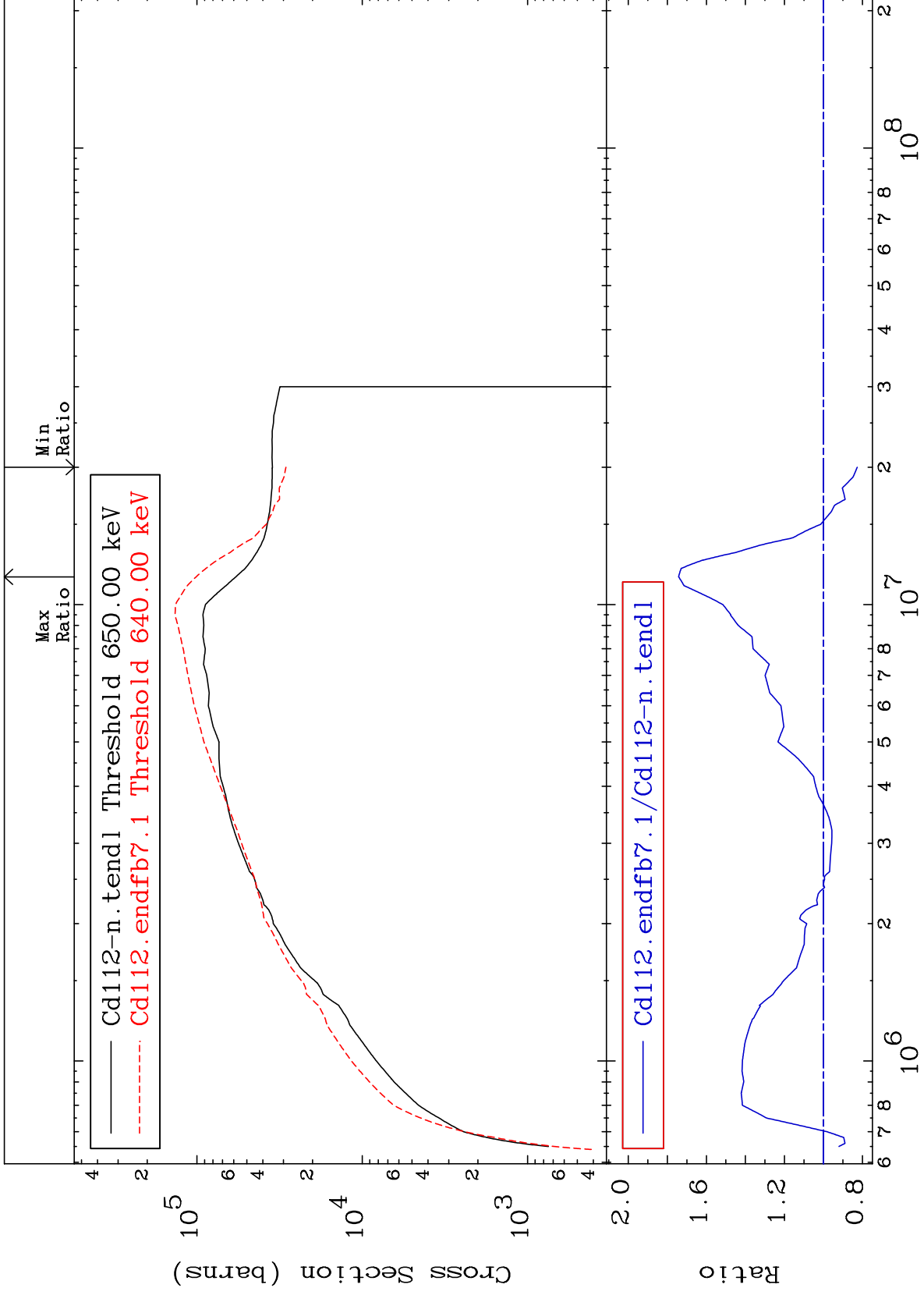
48-Cd-112
-99.53 To 6099. %



MAT 4843

Dpa inelastic (mt51-91)
Cross Section

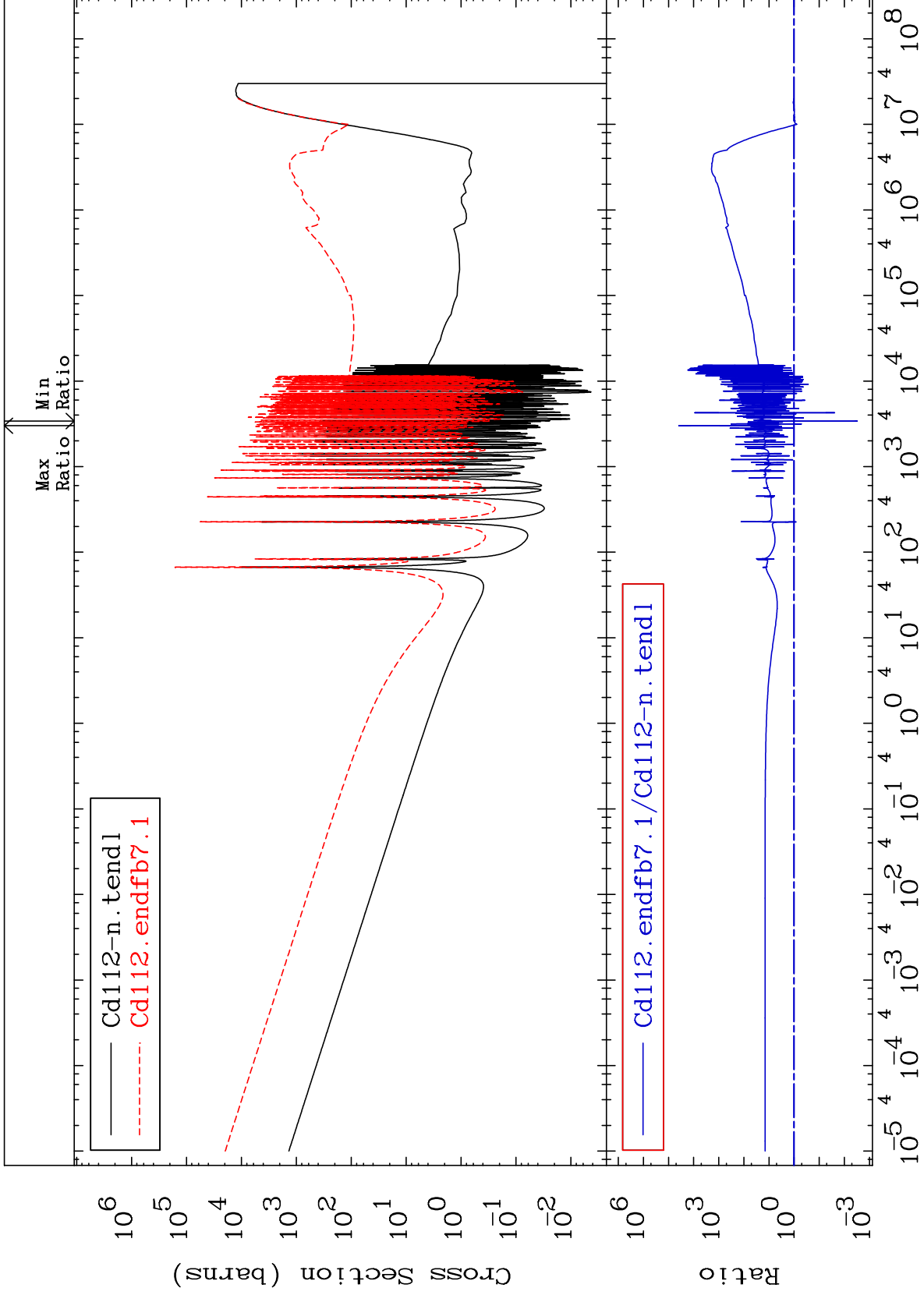
48-Cd-112
-17.32 To 74.21 %



MAT 4843

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-112
-99.69 To 9999. %



41

Incident Energy (eV)

48-Cd-112