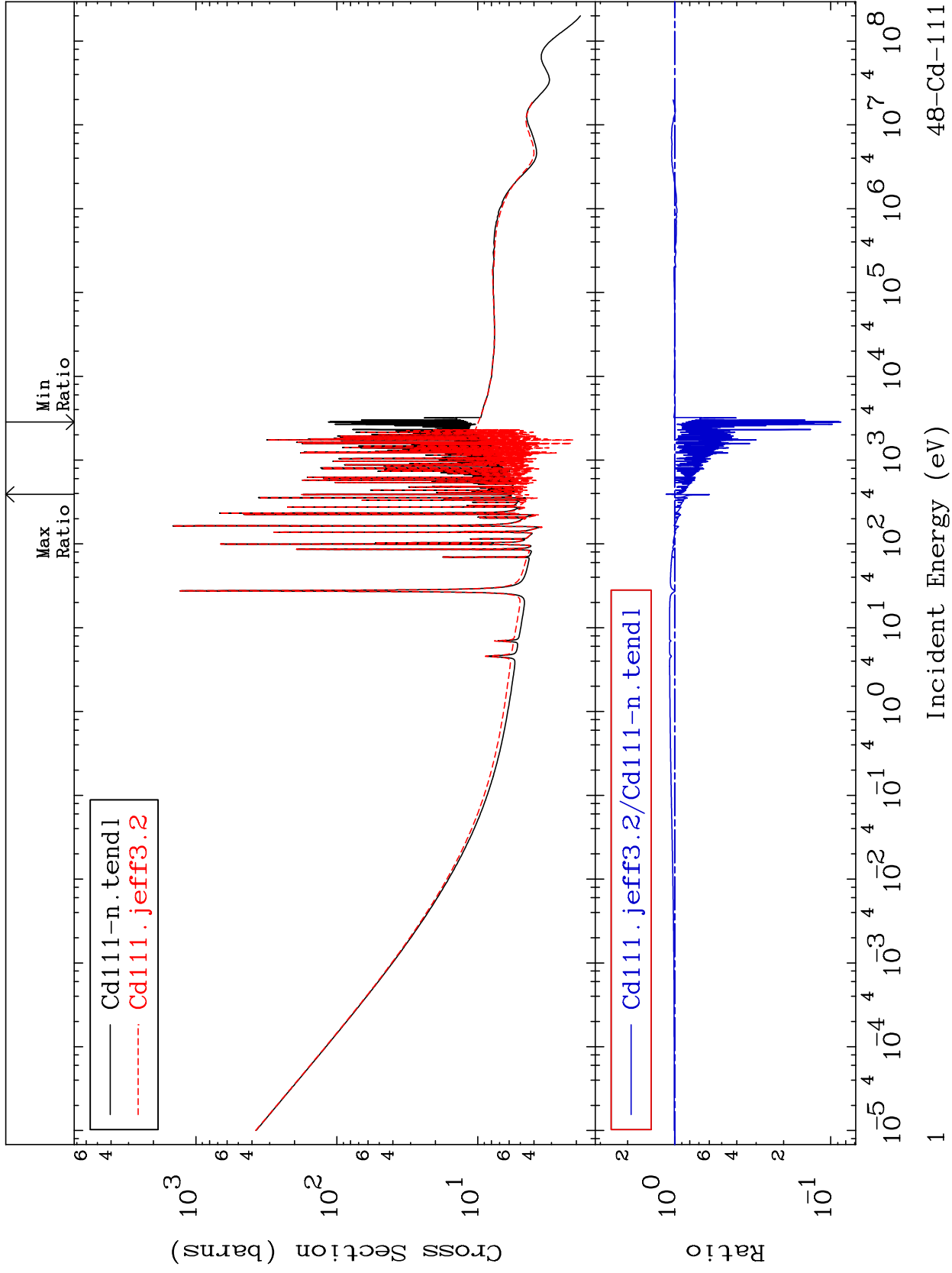


MAT 4840

Total Cross Section
48-Cd-111
-91.40 To 13.73 %



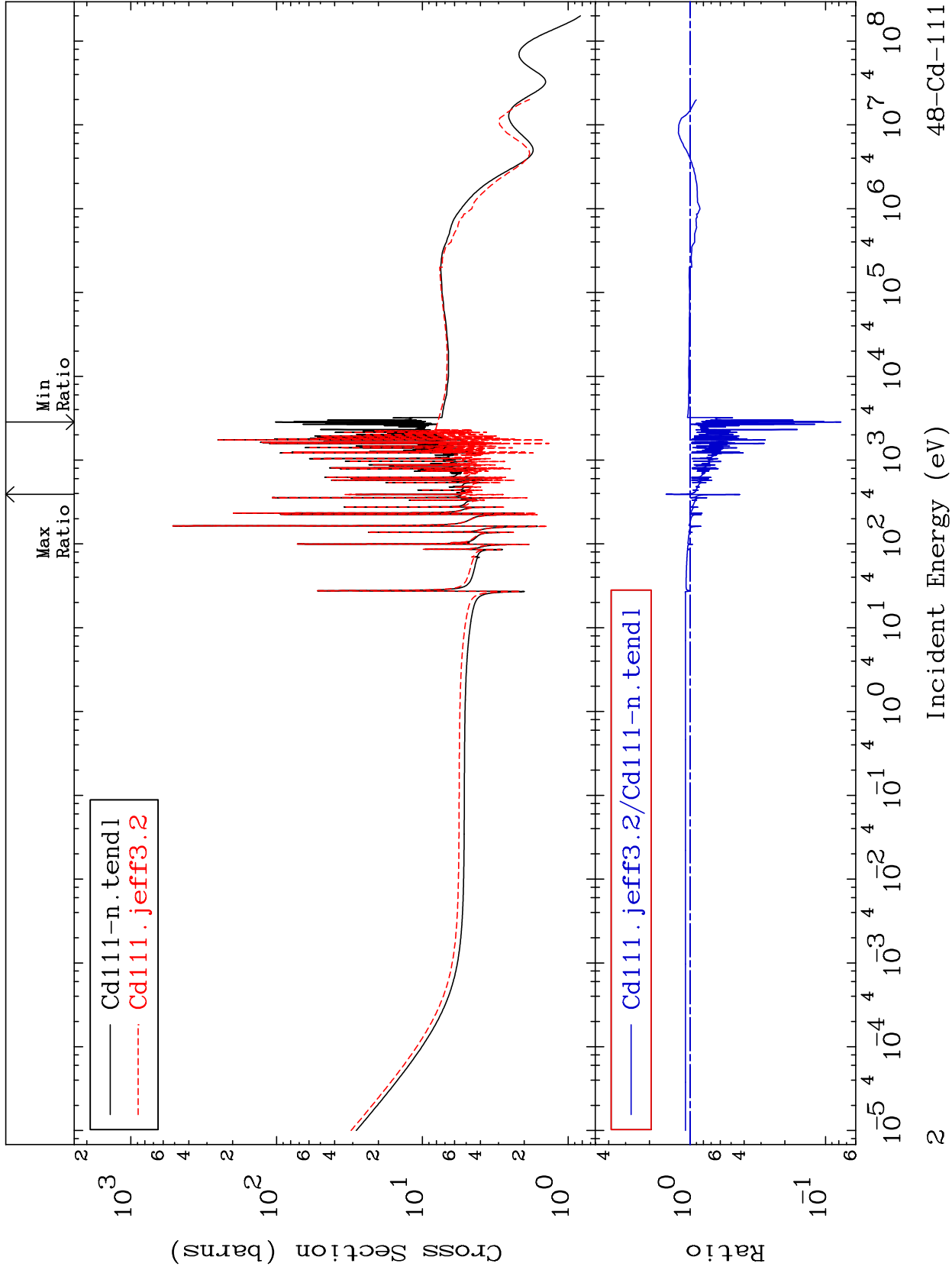
48-Cd-111

Incident Energy (eV)

MAT 4840

Elastic
Cross Section

48-Cd-111
-92.28 To 51.11 %



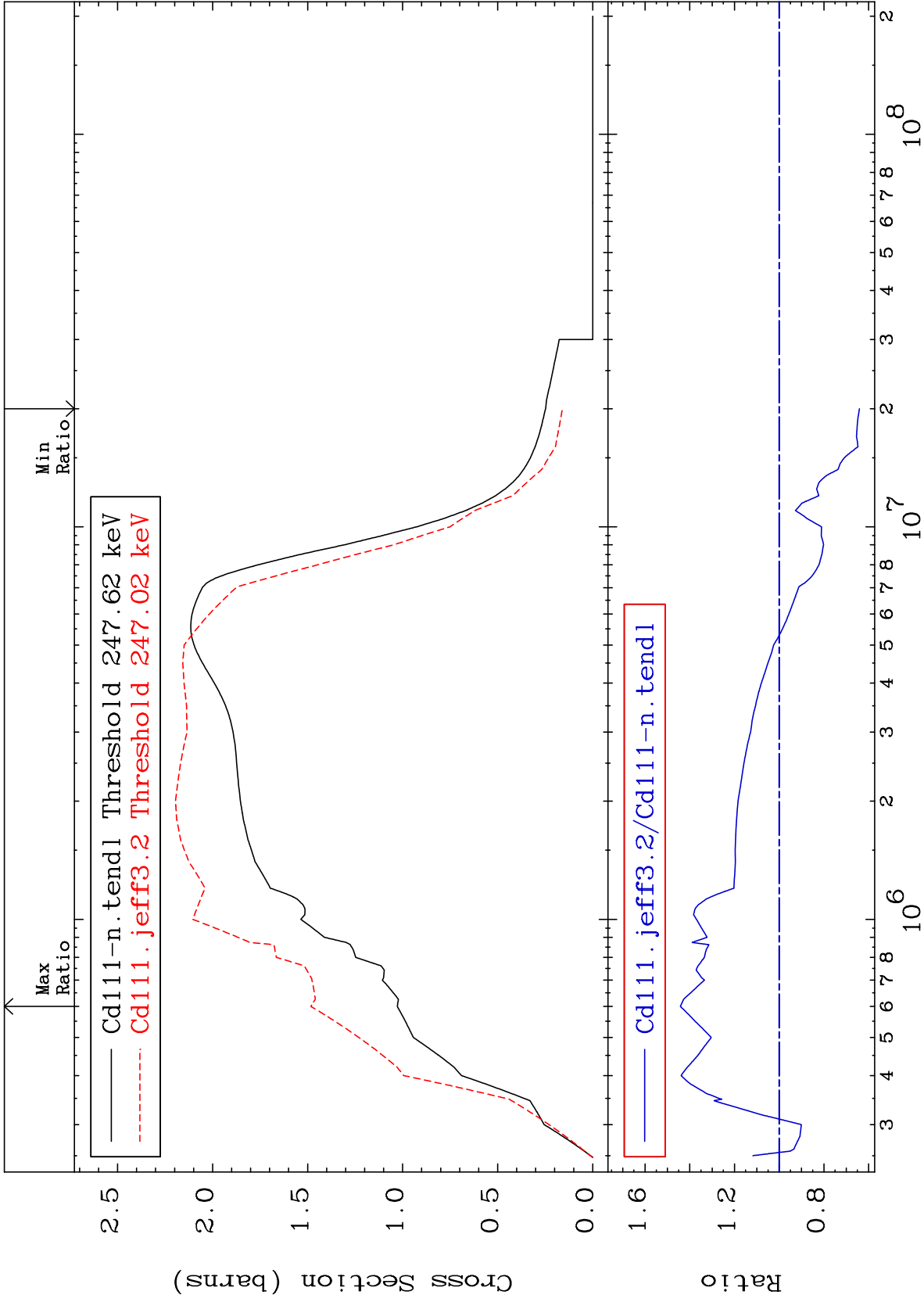
Incident Energy (eV)

48-Cd-111

MAT 4840

Inelastic
Cross Section

48-Cd-111
-35.89 To 44.22 %



3

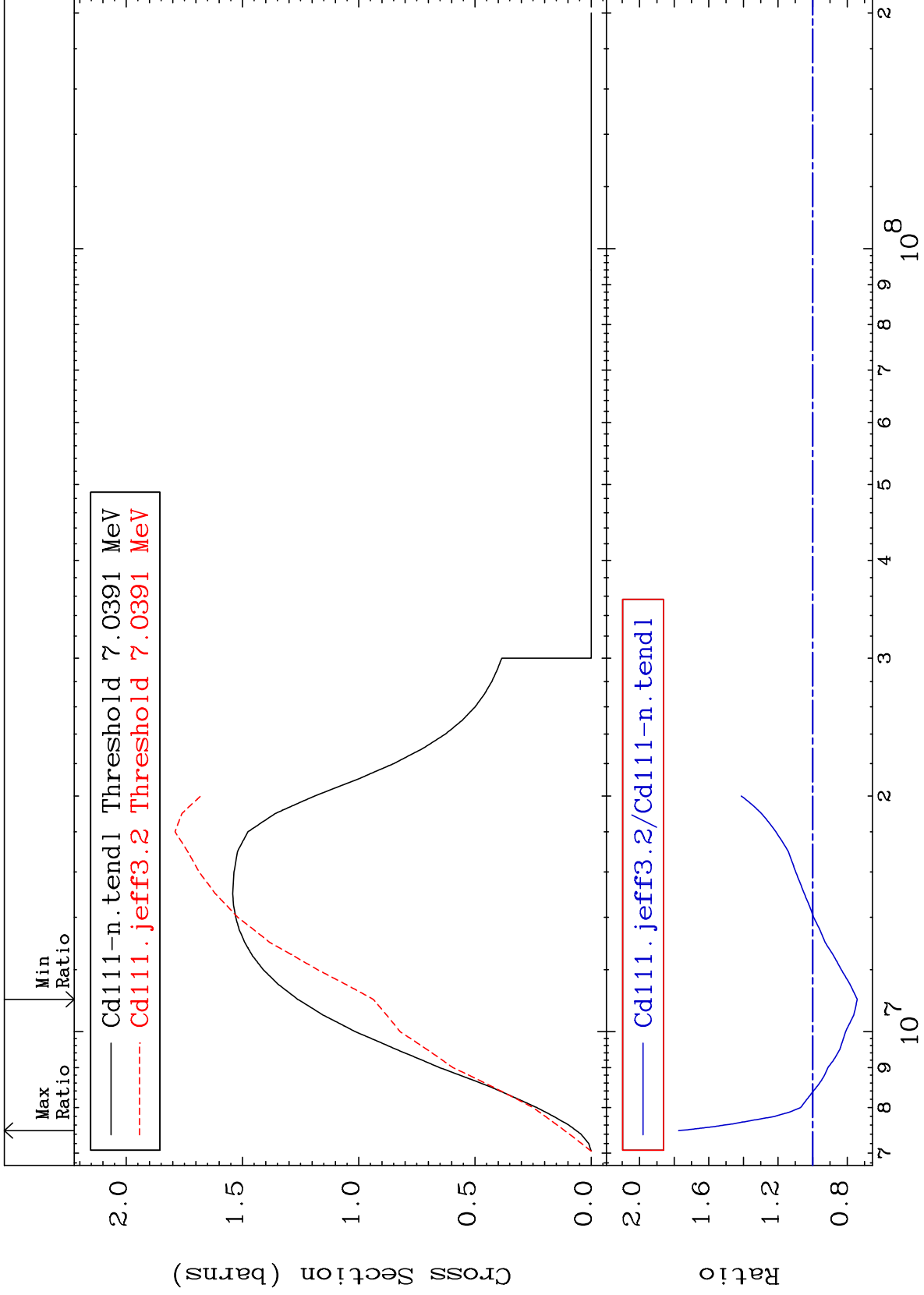
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,2n)
Cross Section

48-Cd-111
-25.75 To 77.42 %



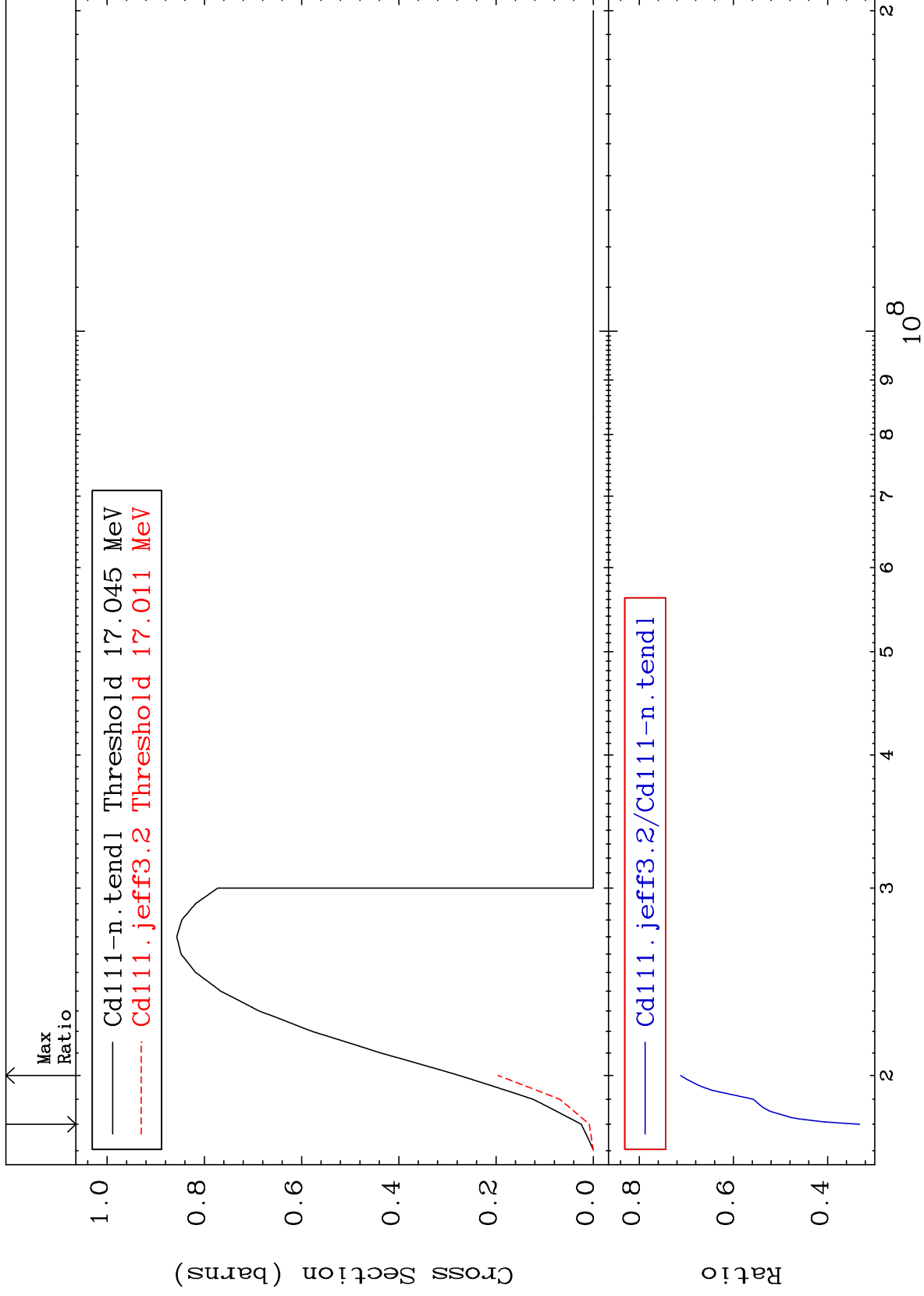
MAT 4840

(n,3n)

48-Cd-111

Cross Section

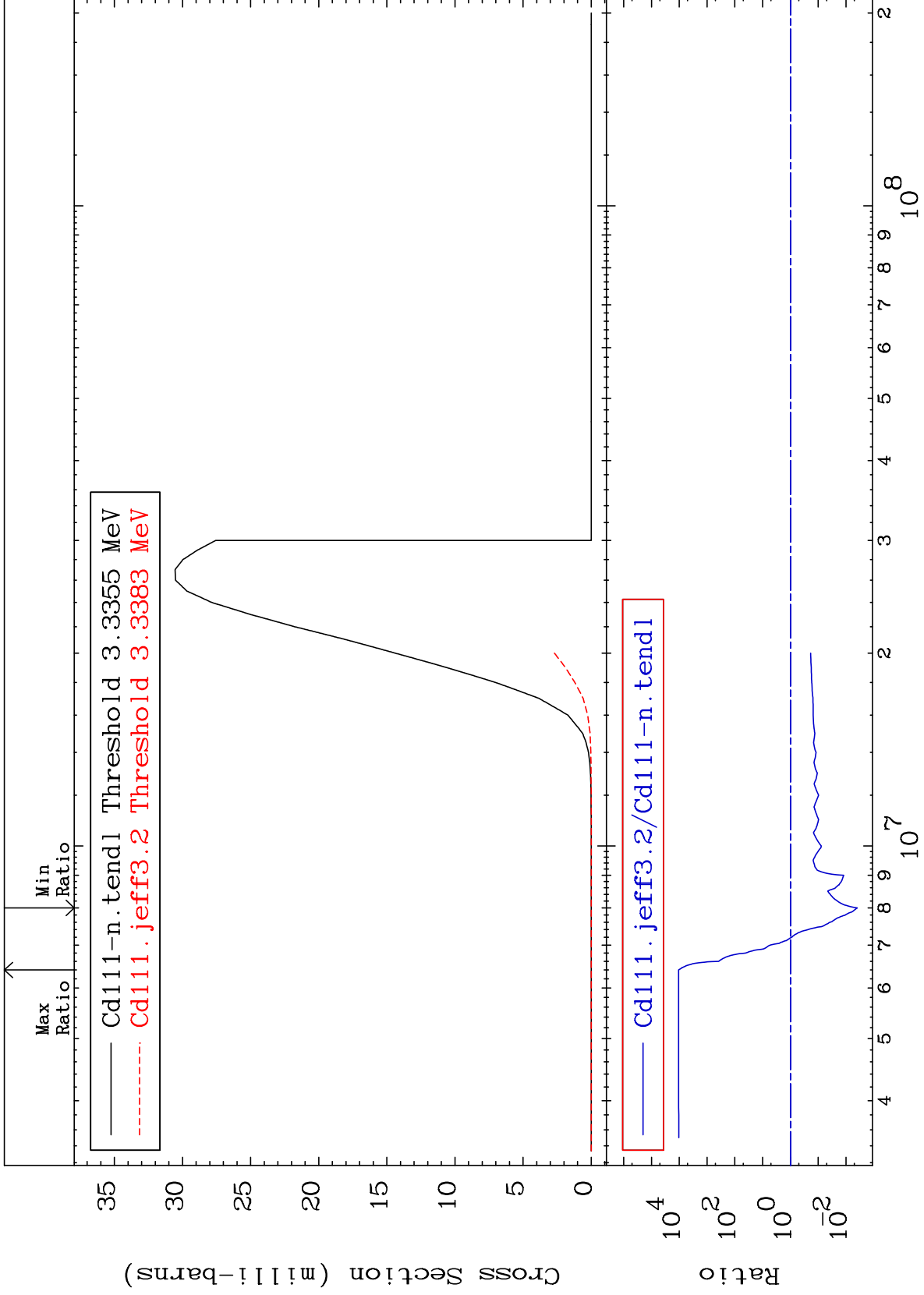
-66.77 To -28.81%



MAT 4840

(n,n') α
Cross Section

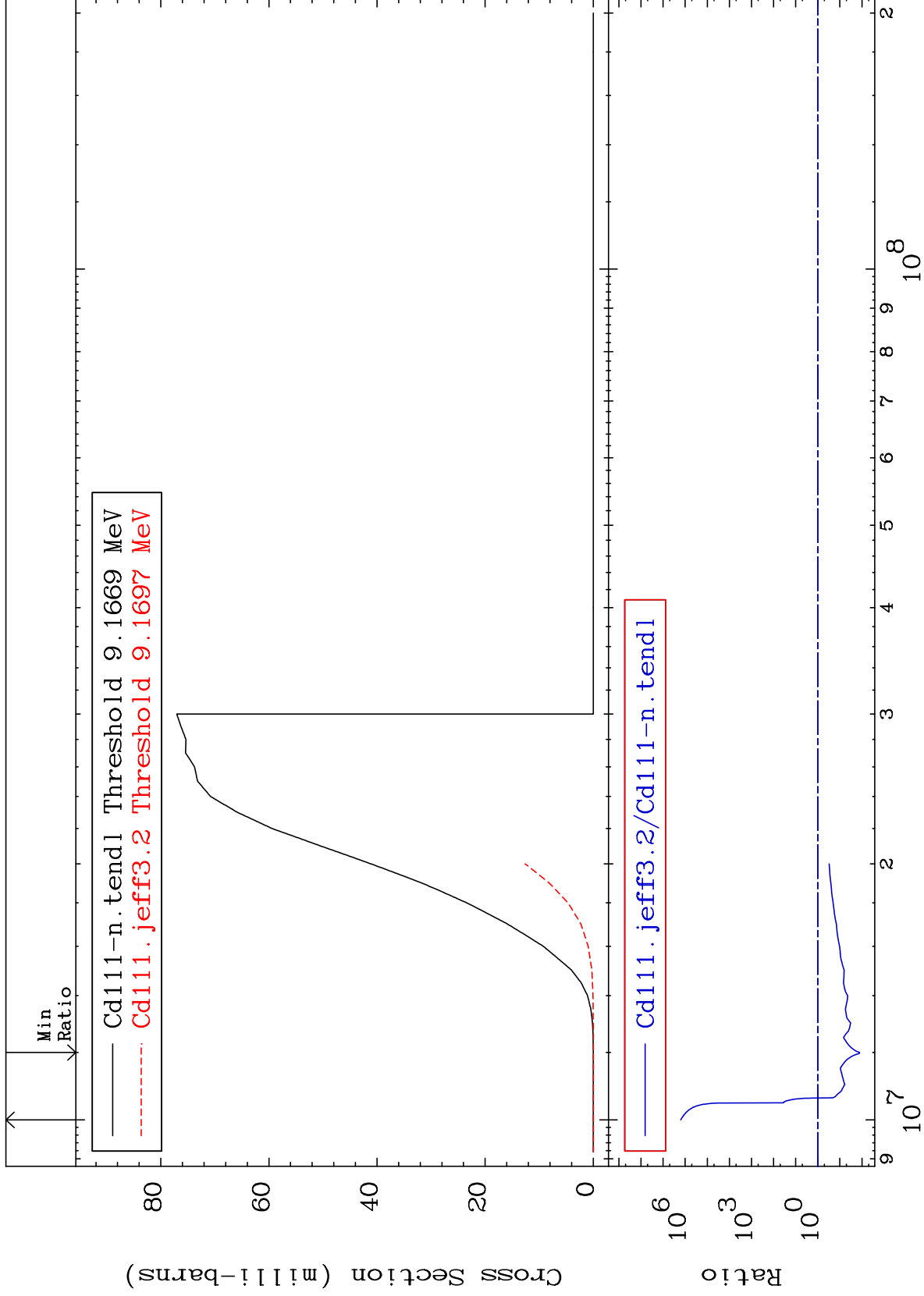
48-Cd-111
-99.61 To 9999. %



MAT 4840

(n,n') p
Cross Section

48-Cd-111
-98.71 To 9999. %



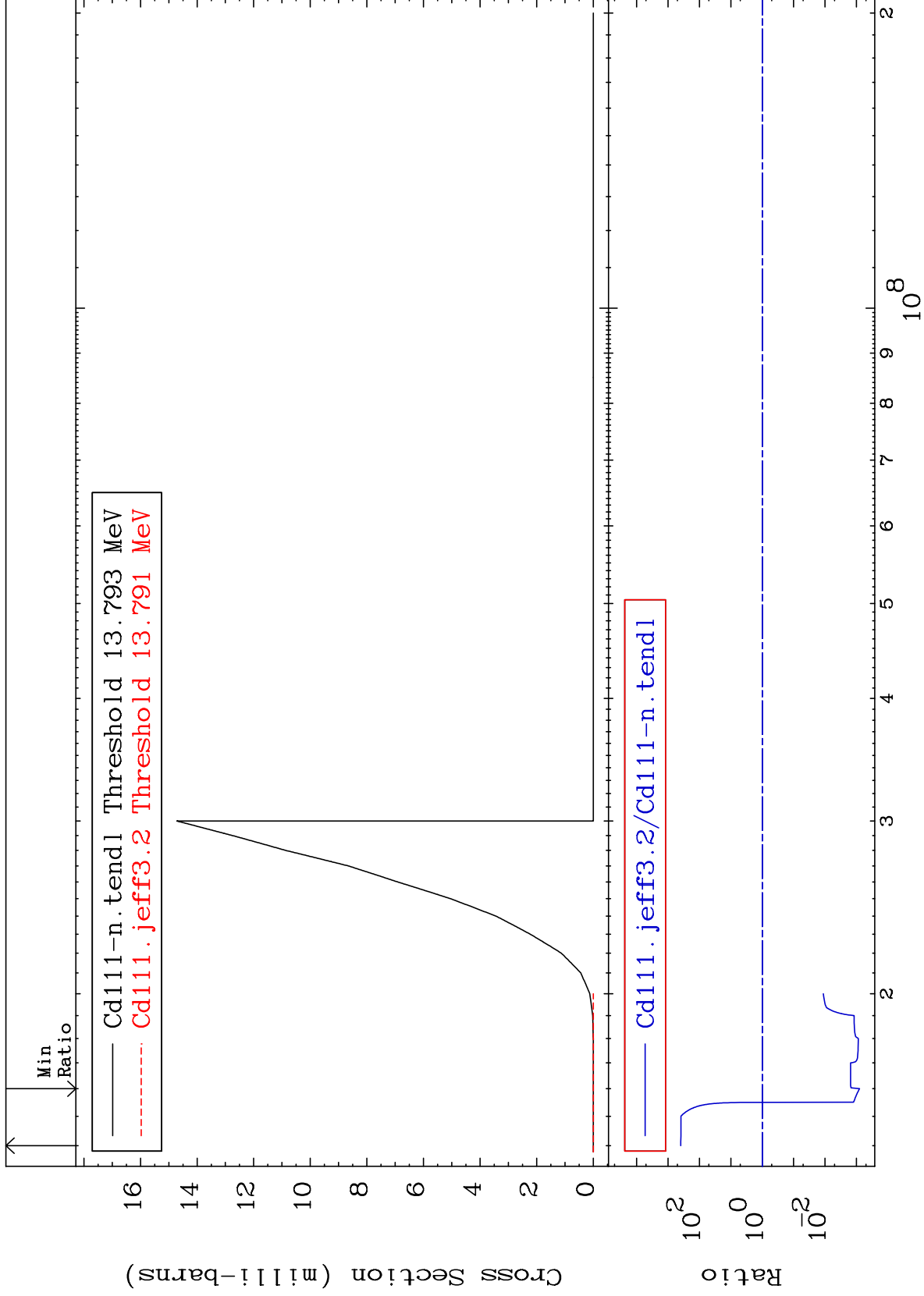
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,n') d
Cross Section

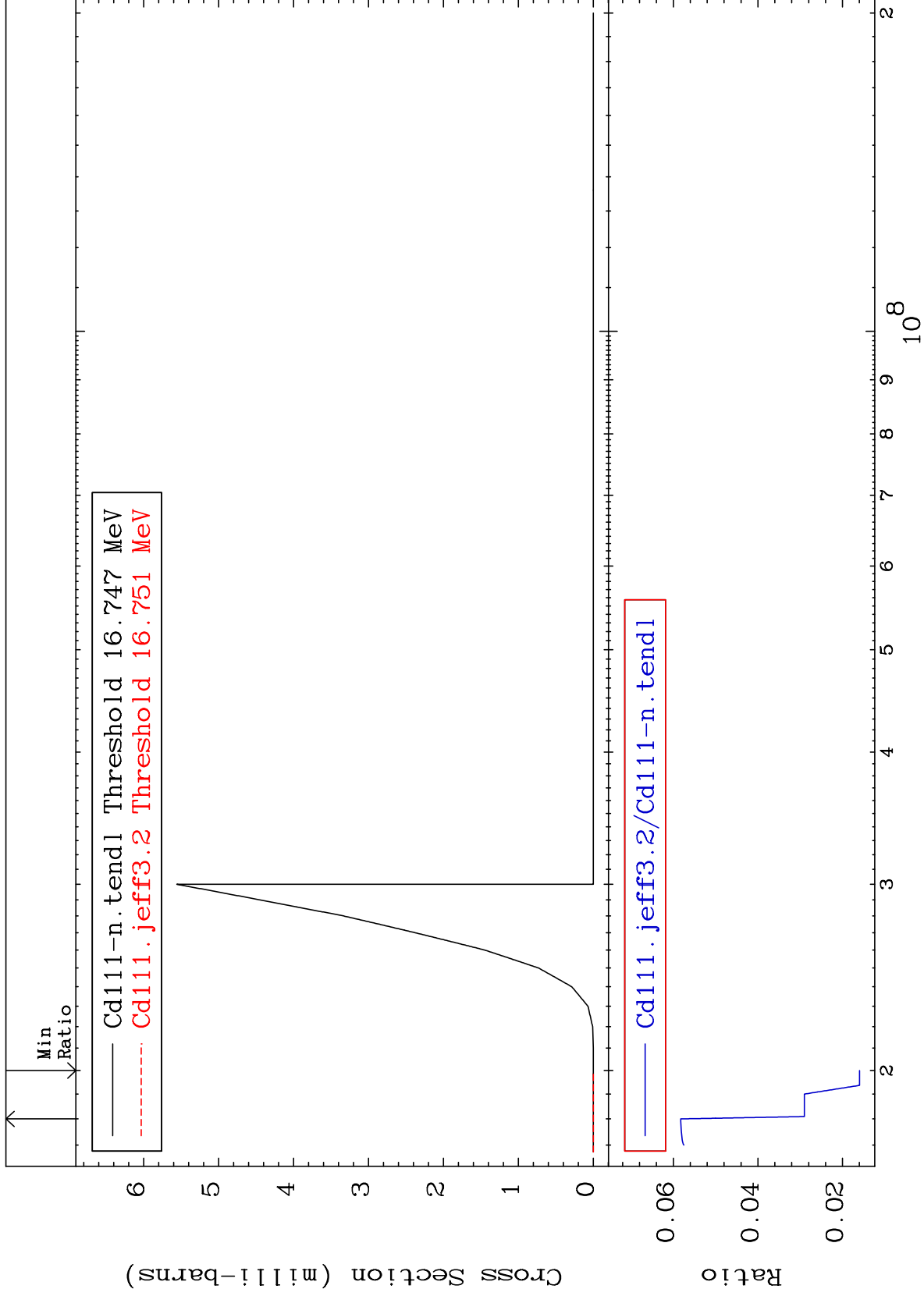
48-Cd-111
-99.92 To 9999. %



MAT 4840

(n,n') t
Cross Section

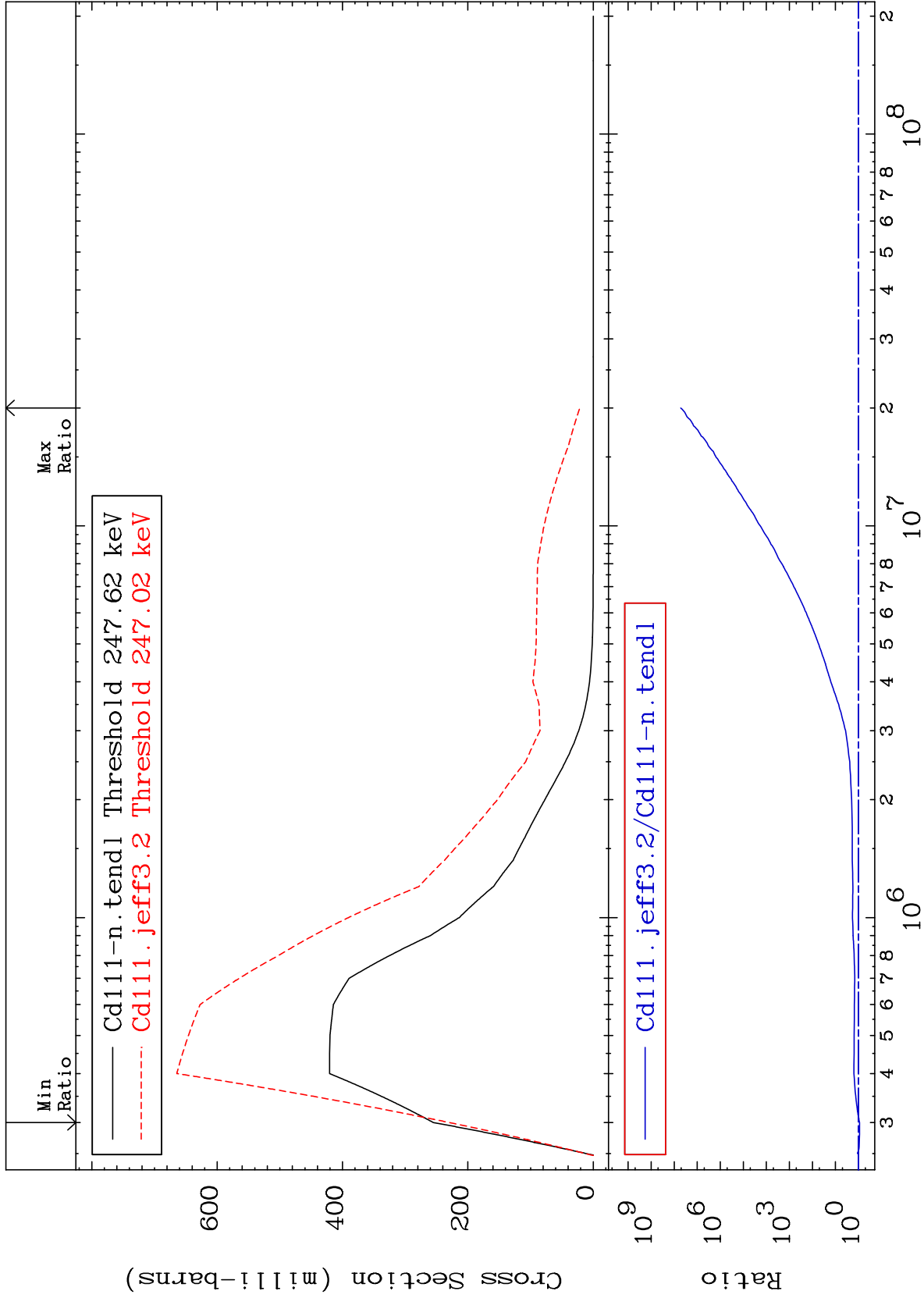
48-Cd-111
-98.40 To -94.18%



MAT 4840

245.4 keV (n,n') Level
Cross Section

48-Cd-111
-9.906 To 9999. %

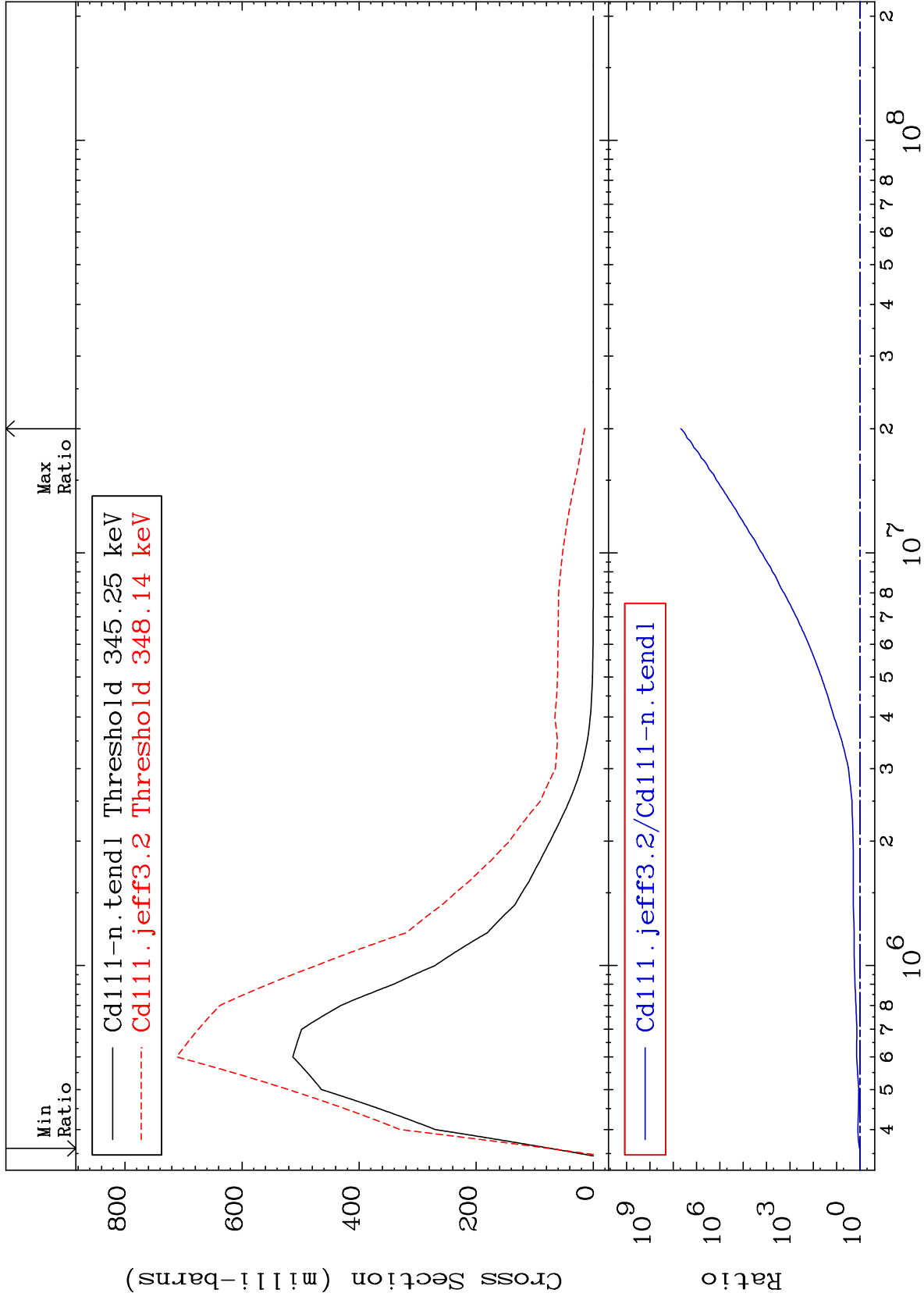


10

Incident Energy (eV)

48-Cd-111

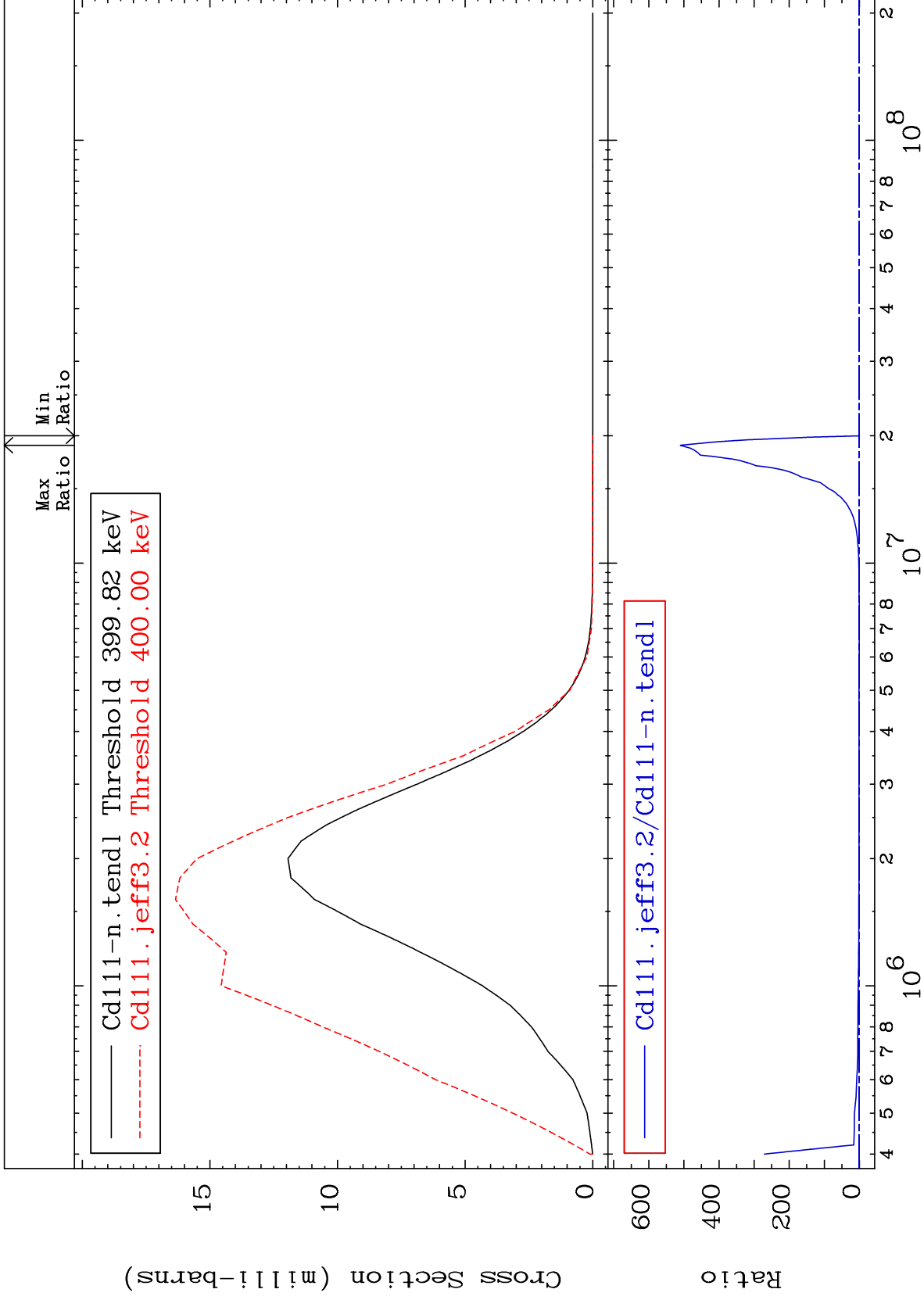
MAT 4840 342.1 keV (n,n') Level 48-Cd-111
 Cross Section 3.731 To 9999. %



MAT 4840

396.2 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



12

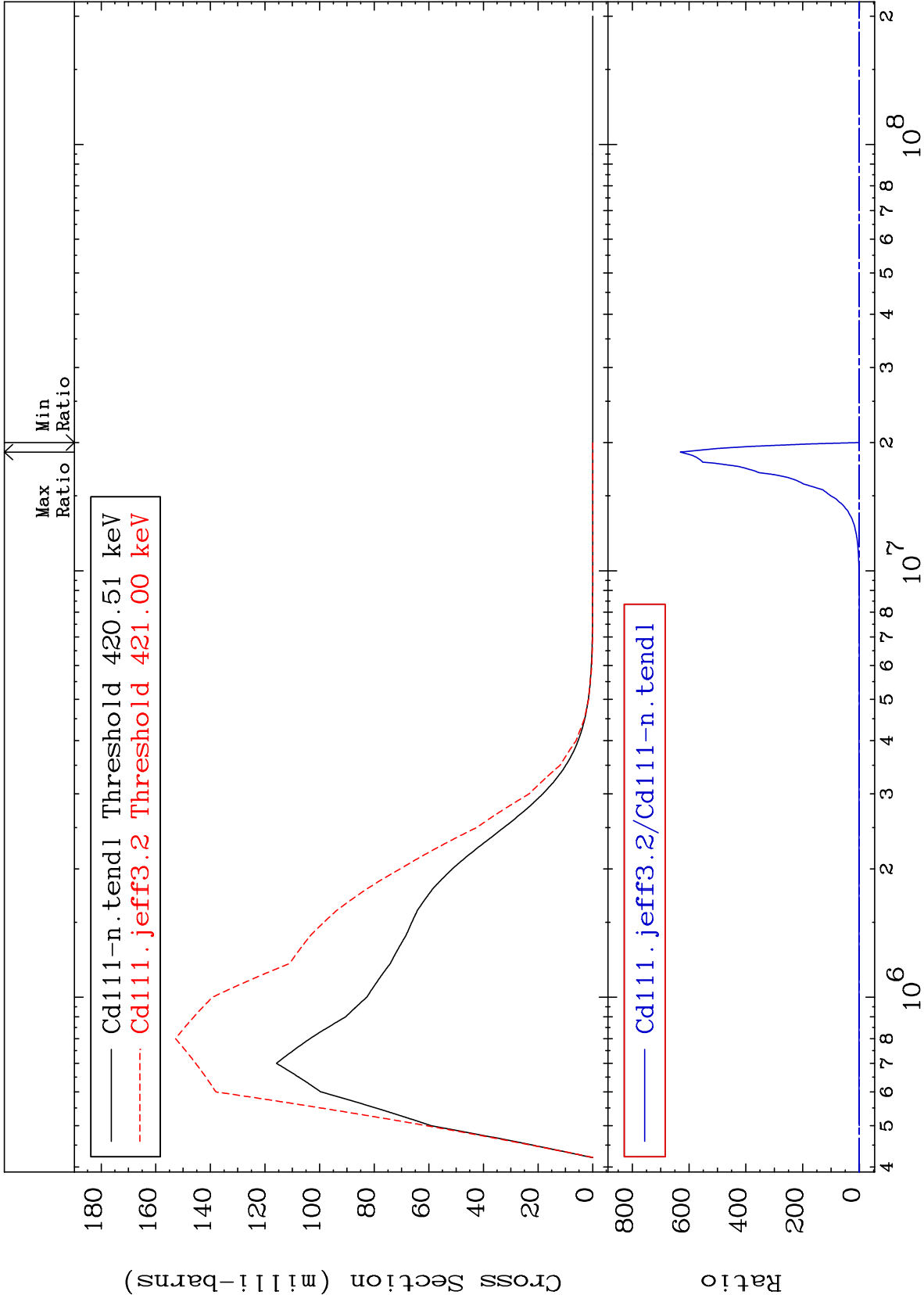
Incident Energy (eV)

48-Cd-111

MAT 4840

416.7 keV (n,n') Level
Cross Section

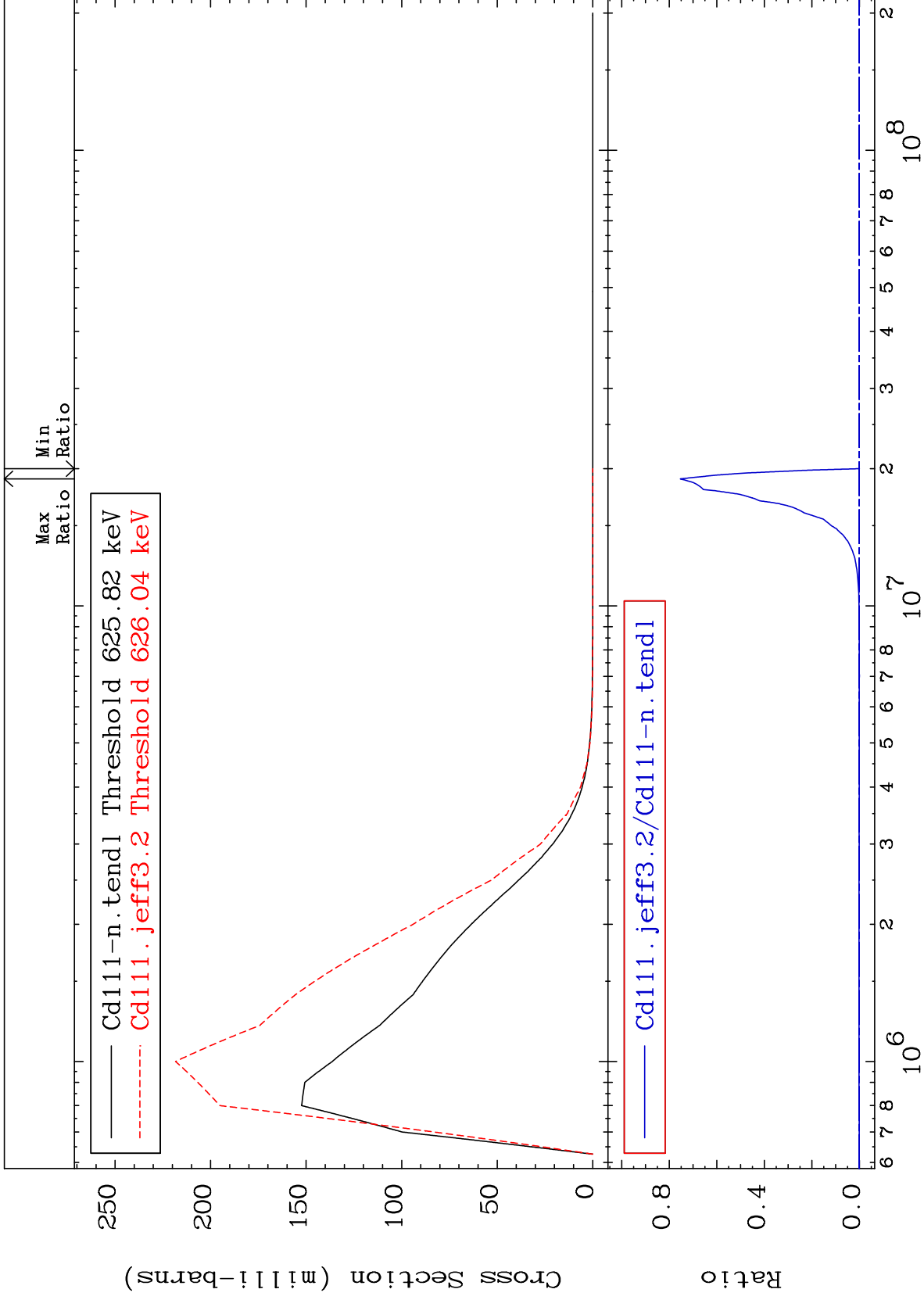
48-Cd-111
-100.0 To 9999. %



MAT 4840

620.2 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



14

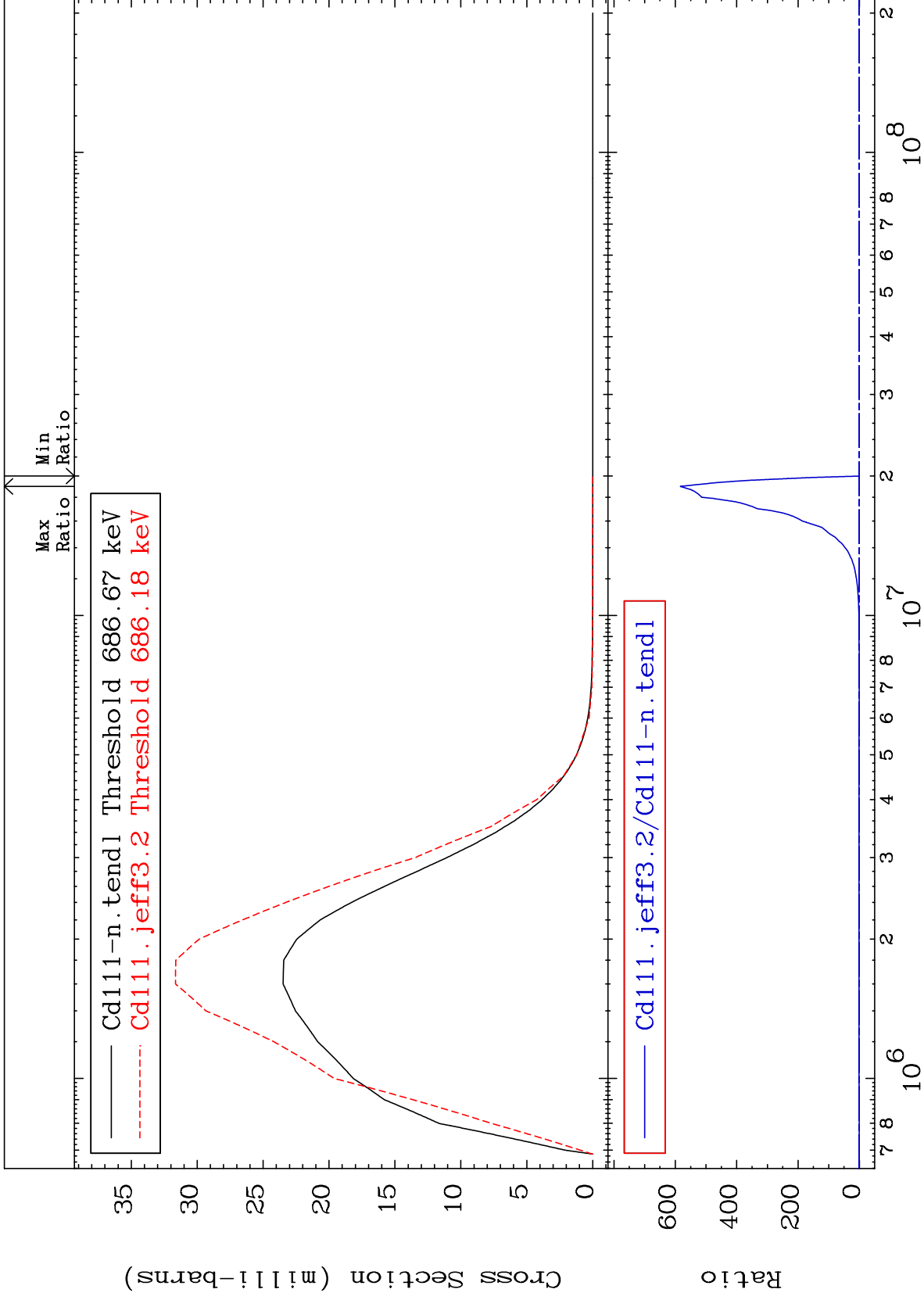
Incident Energy (eV)

48-Cd-111

MAT 4840

680.5 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



15

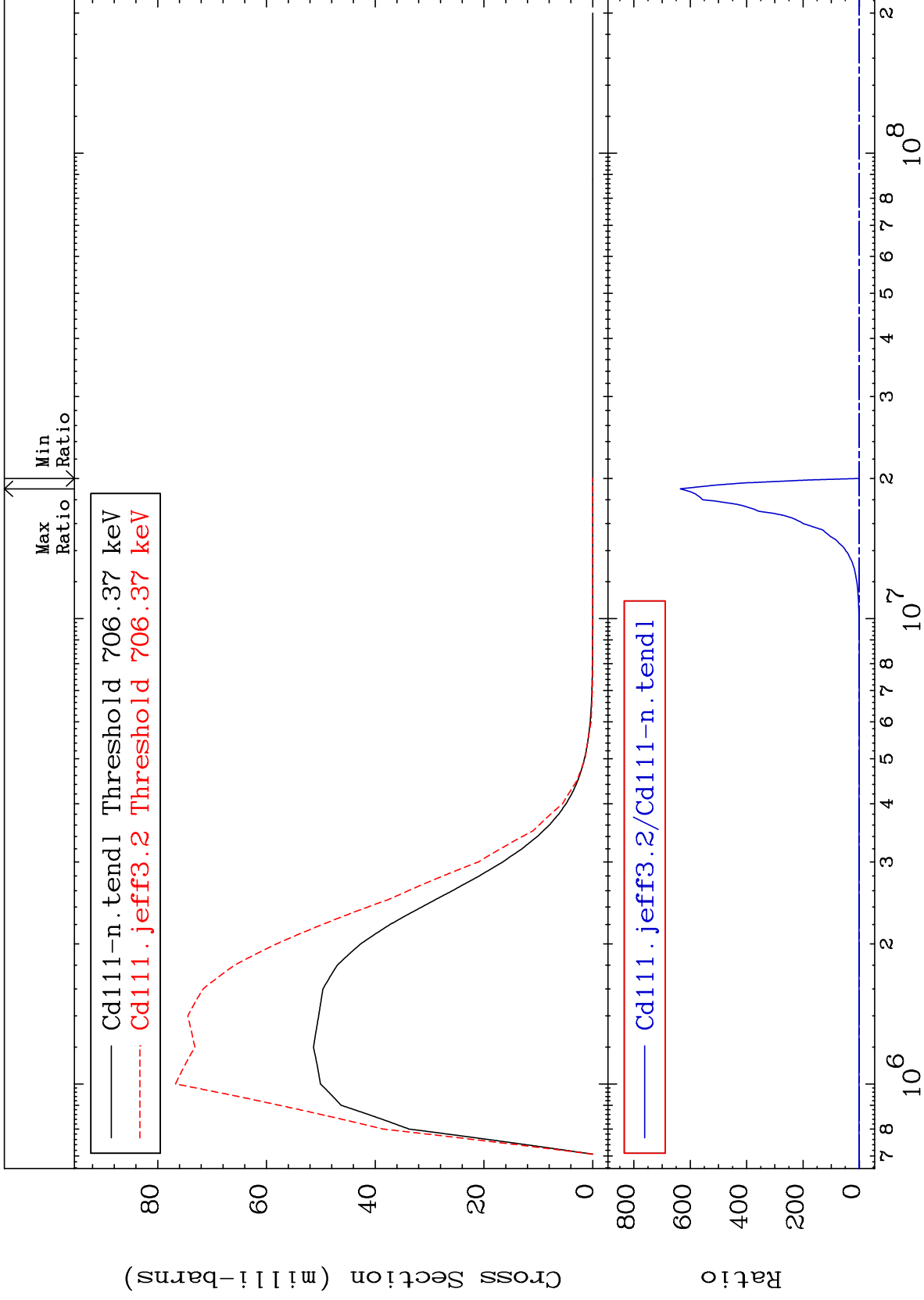
Incident Energy (eV)

48-Cd-111

MAT 4840

700.0 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



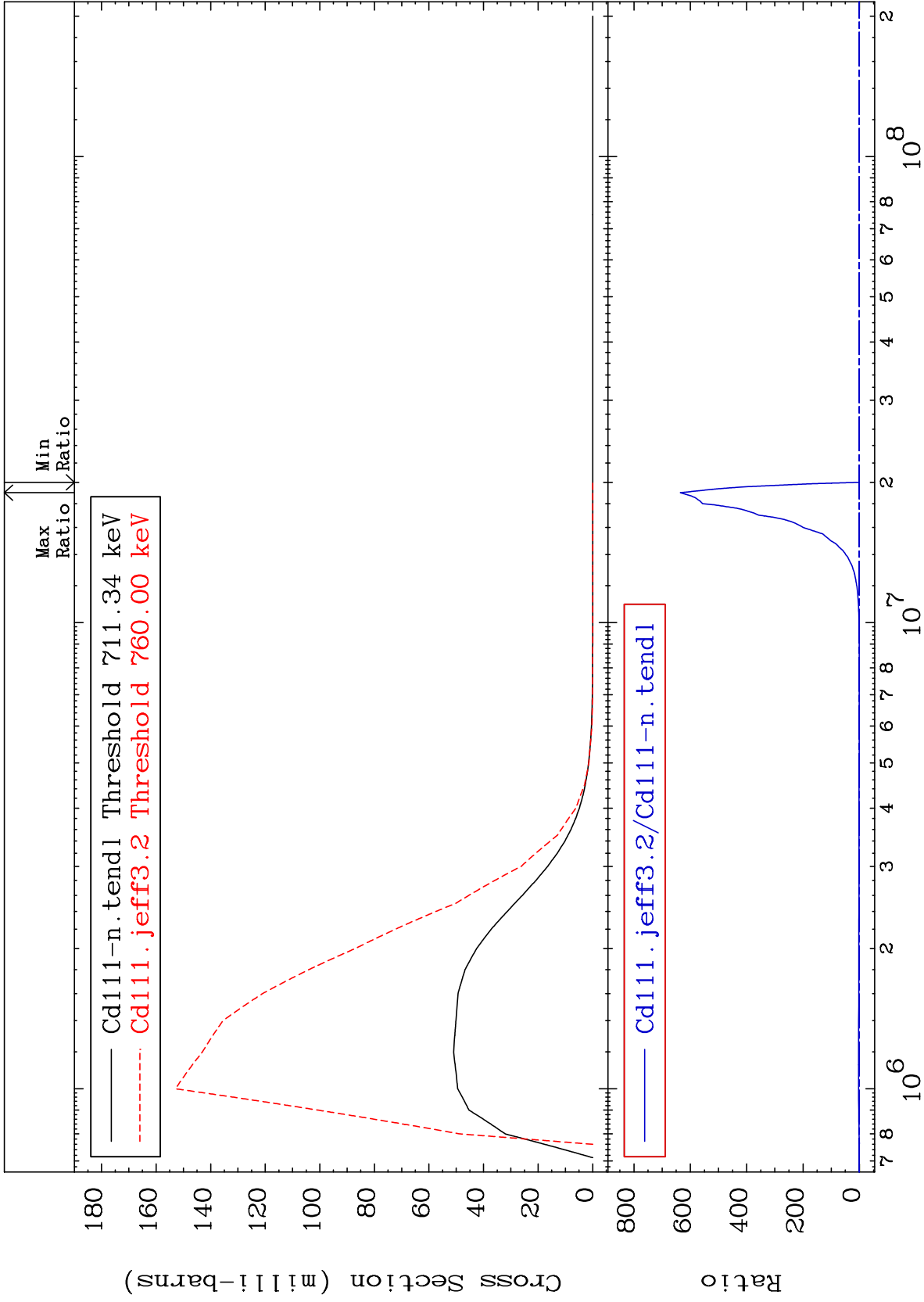
16

48-Cd-111

MAT 4840

704.9 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



17

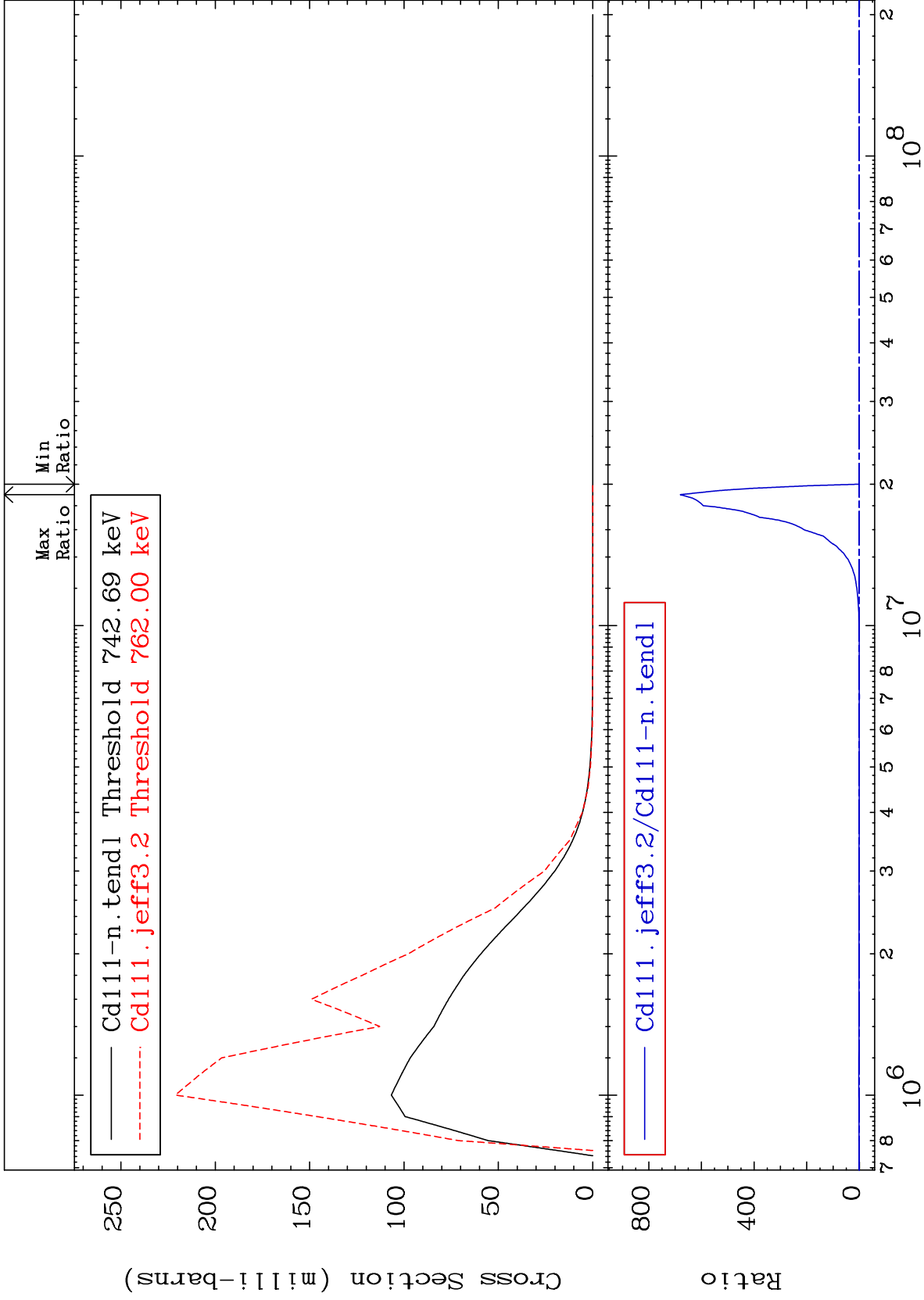
Incident Energy (eV)

48-Cd-111

MAT 4840

736.0 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



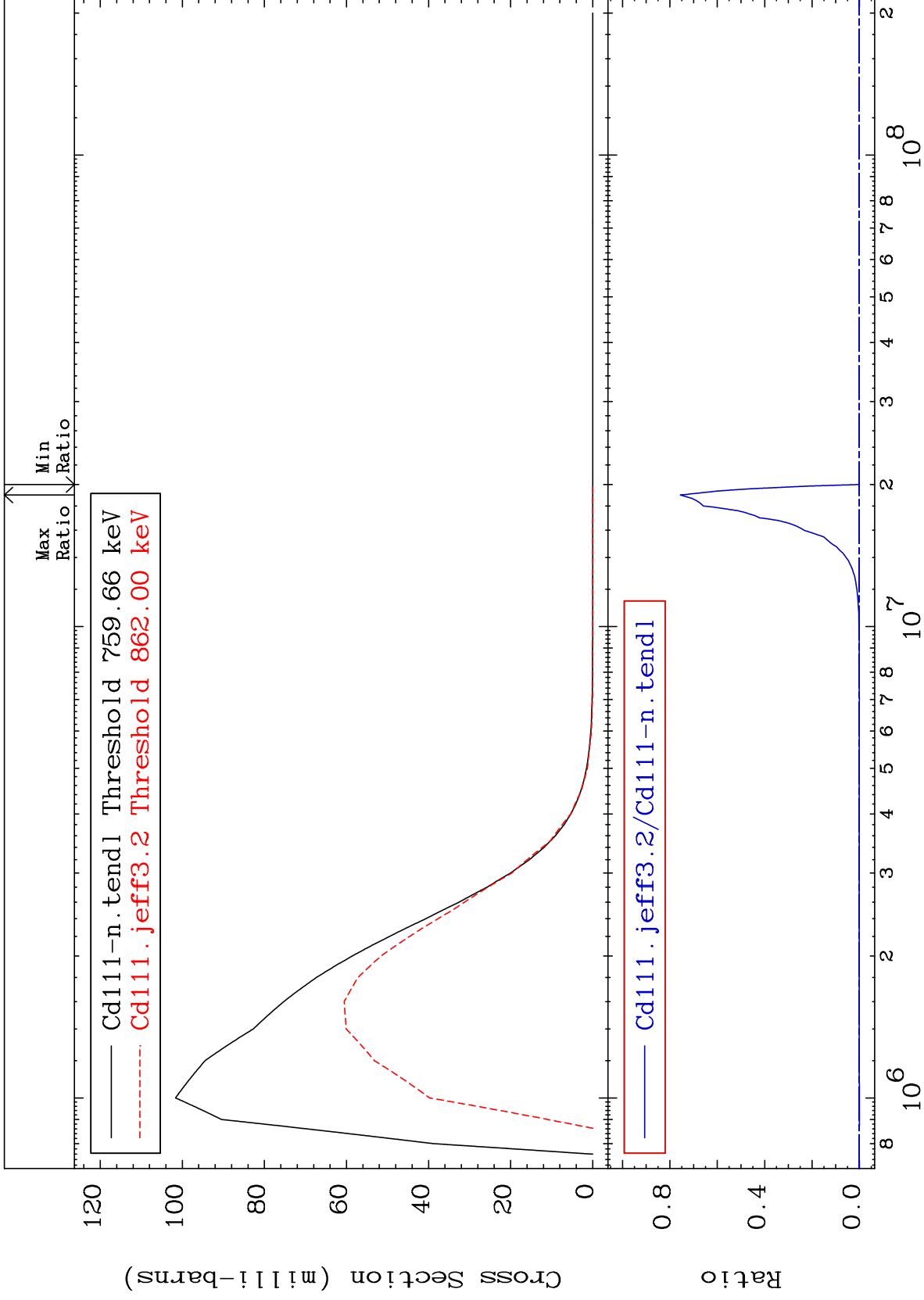
18

48-Cd-111

MAT 4840

752.8 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



19

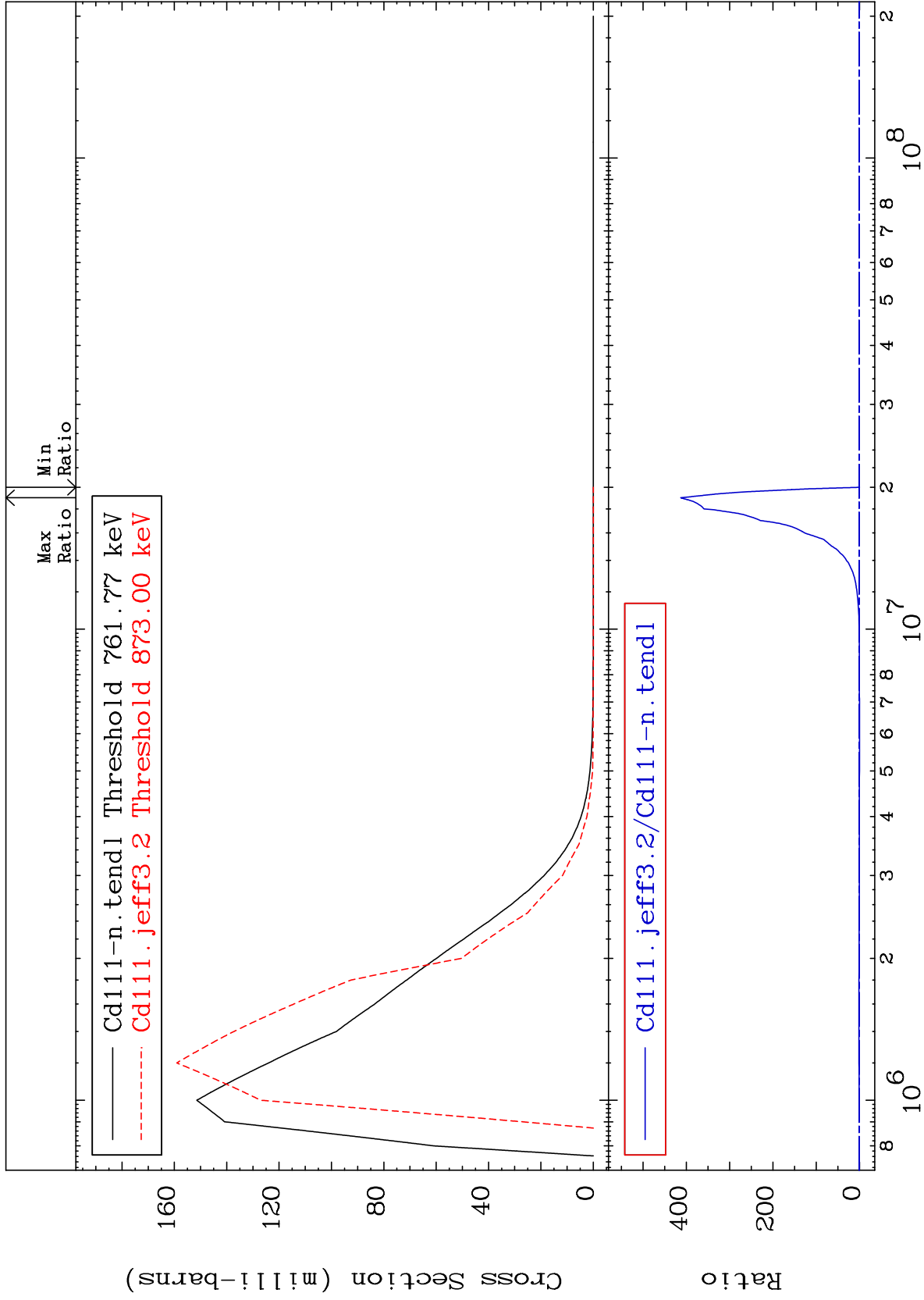
Incident Energy (eV)

48-Cd-111

MAT 4840

754.9 keV (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



20

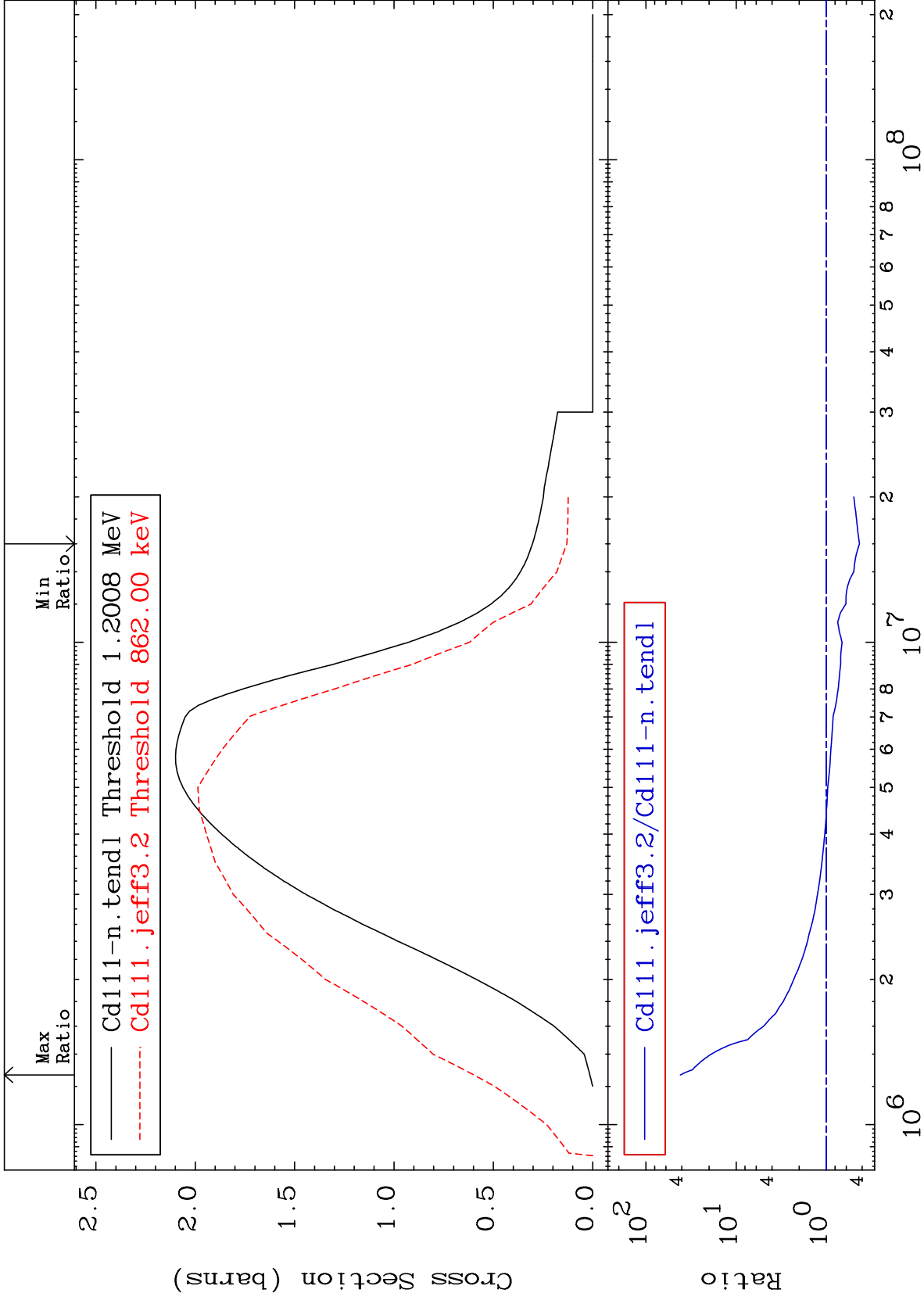
Incident Energy (eV)

48-Cd-111

MAT 4840

(n, n') Continuum
Cross Section

48-Cd-111
-57.06 To 4057. %



21

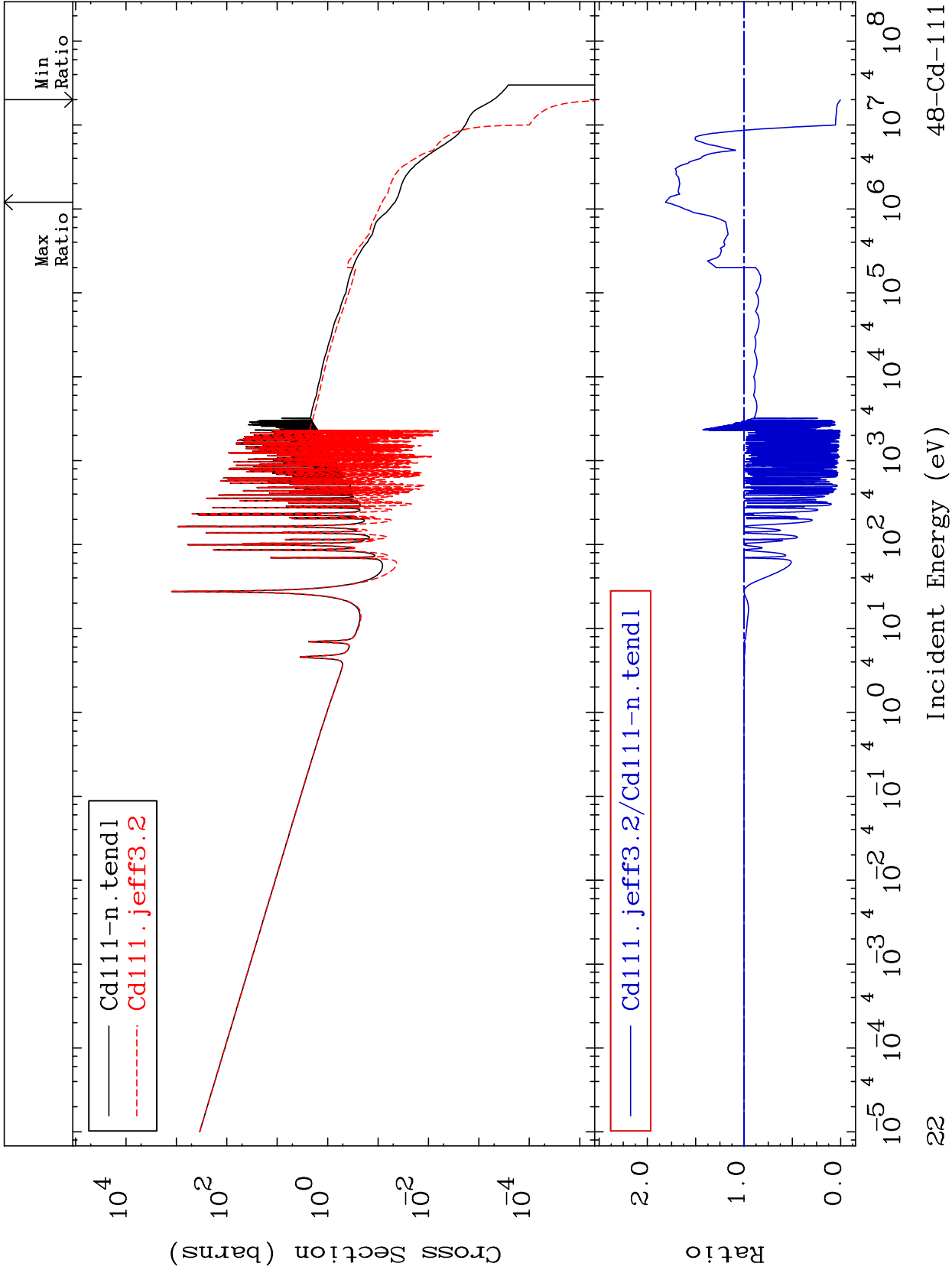
Incident Energy (eV)

48-Cd-111

MAT 4840

(n, γ)
Cross Section

48-Cd-111
-100.0 To 81.26 %



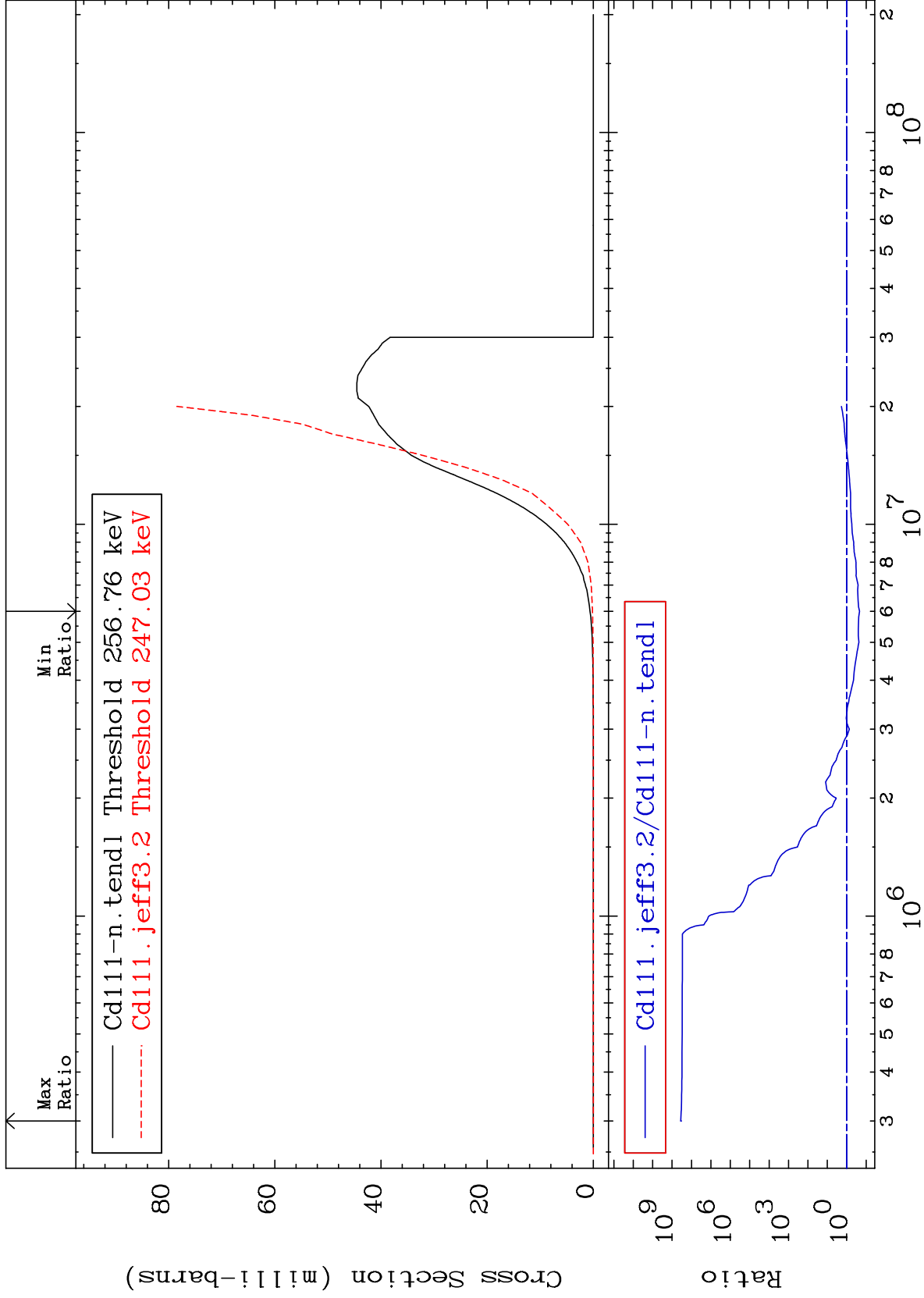
MAT 4840

(n,p)

48-Cd-111

Cross Section

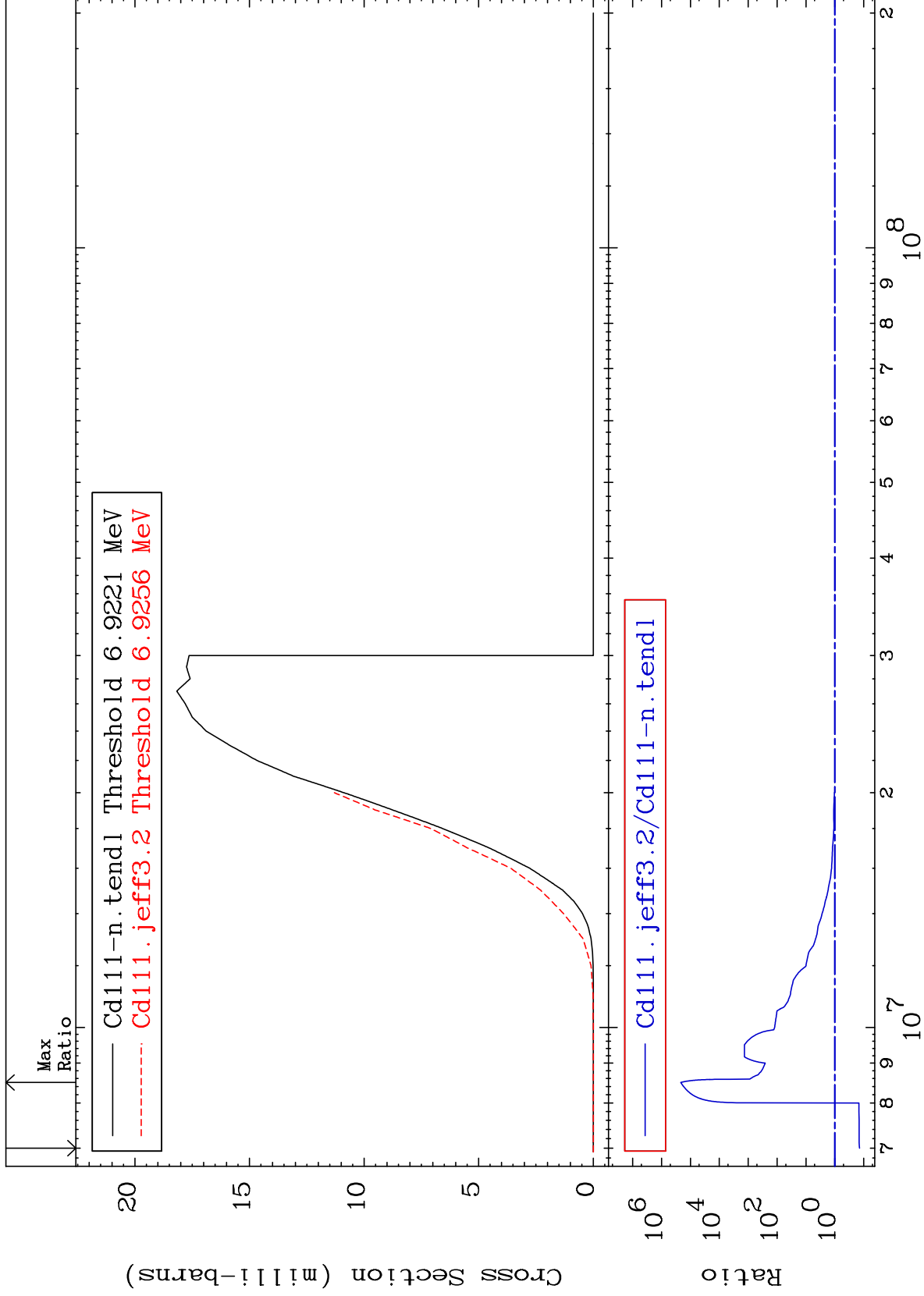
-78.13 To 9999. %



MAT 4840

(n, d)
Cross Section

48-Cd-111
-86.05 To 9999. %



24

Incident Energy (eV)

48-Cd-111

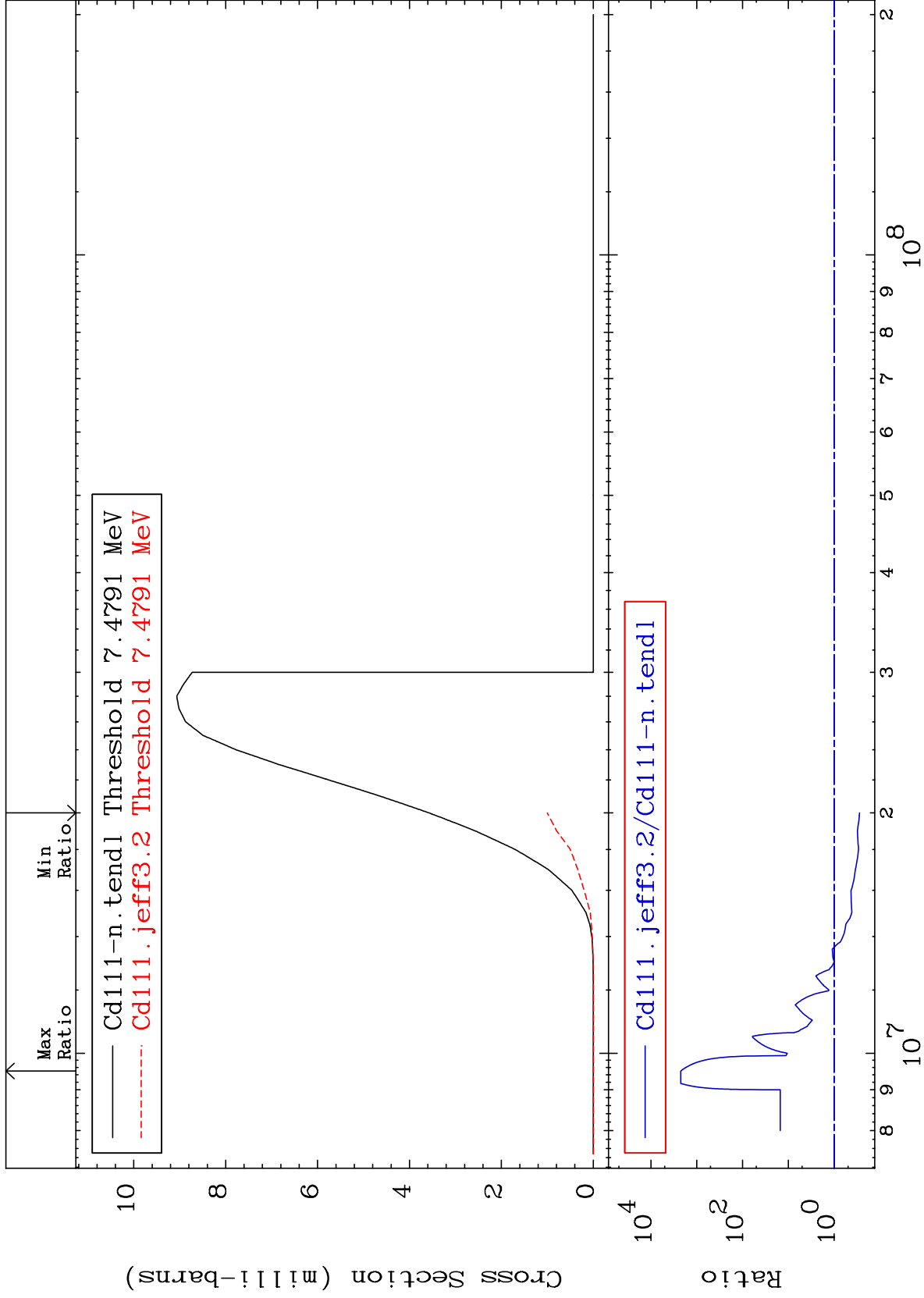
MAT 4840

(n, t)

48-Cd-111

Cross Section

-72.01 To 9999. %



25

Incident Energy (eV)

48-Cd-111

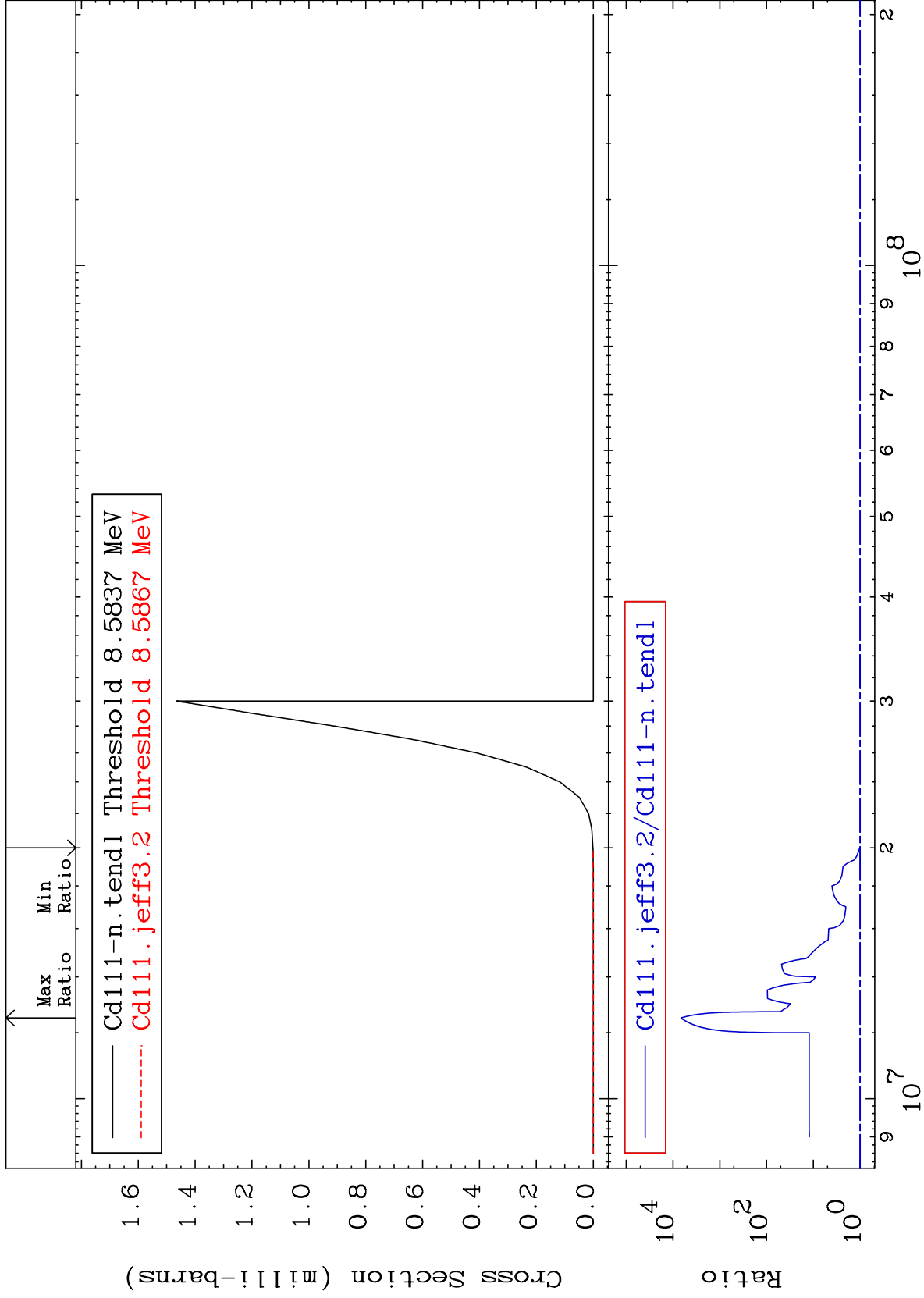
MAT 4840

(n, He-3)

48-Cd-111

Cross Section

3.109 To 9999. %



26

Incident Energy (eV)

48-Cd-111

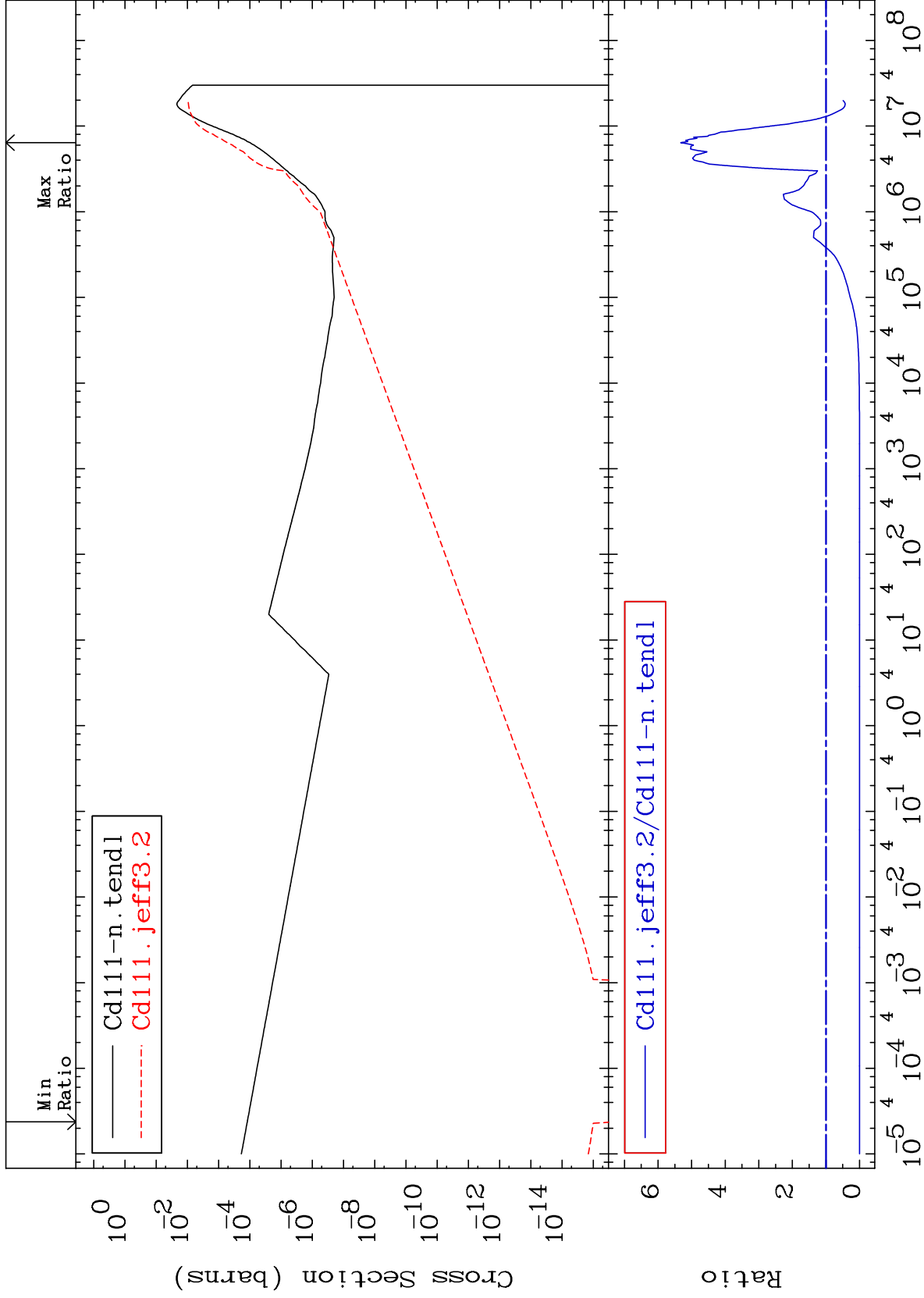
MAT 4840

(n, α)

48-Cd-111

Cross Section

-100.0 To 432.3 %



27

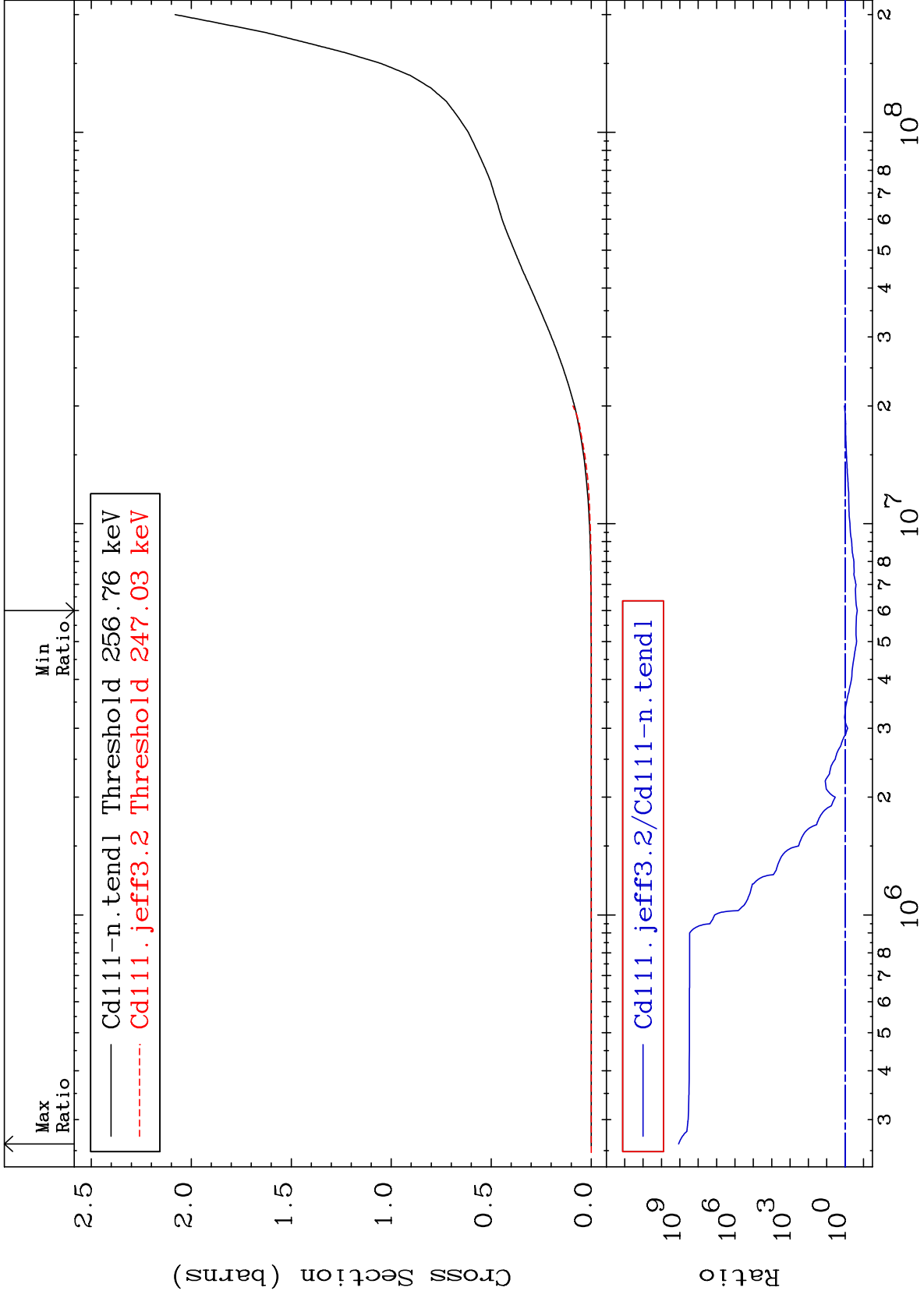
Incident Energy (eV)

48-Cd-111

MAT 4840

Hydrogen Production
Cross Section

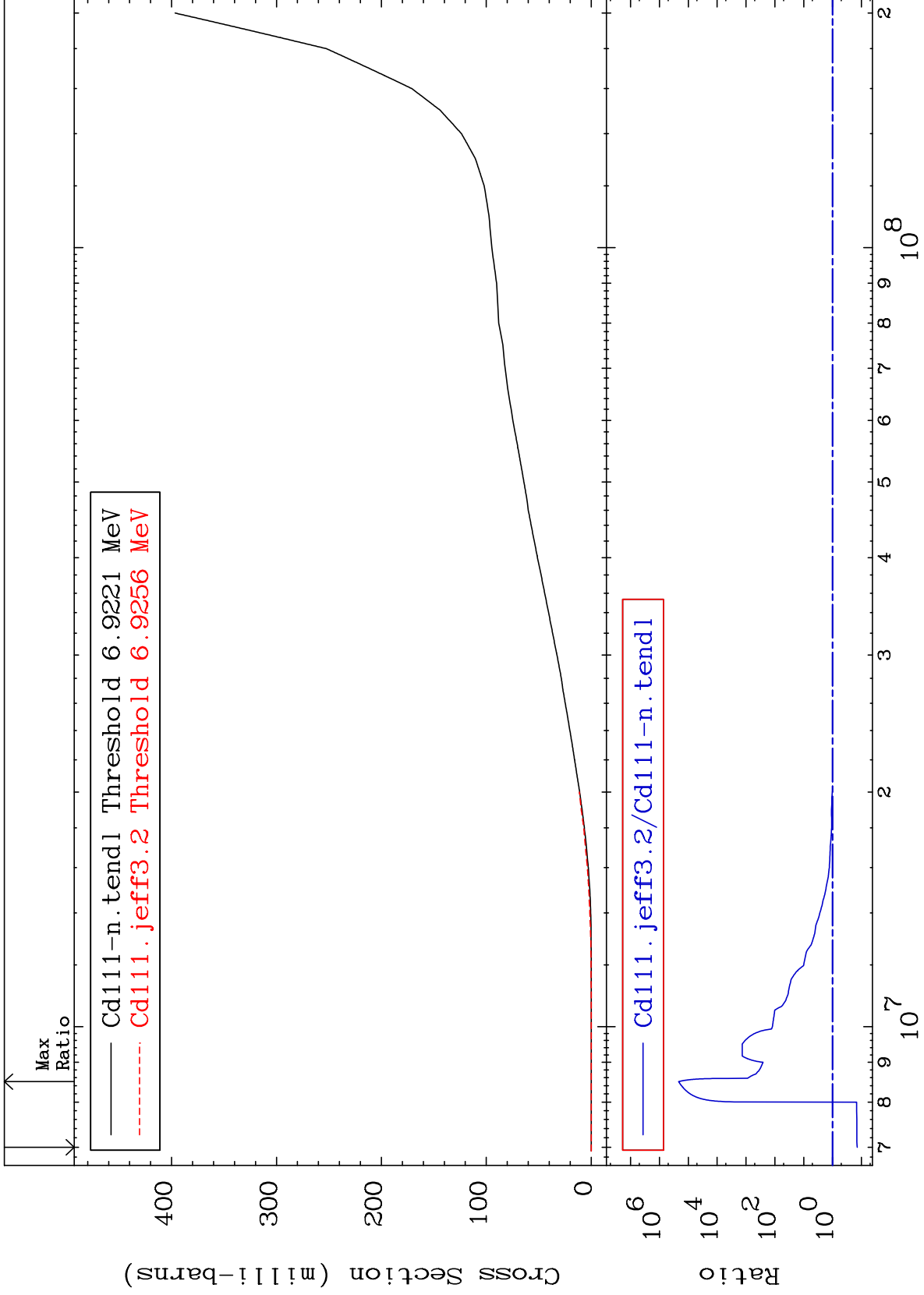
48-Cd-111
-78.13 To 9999. %



MAT 4840

Deuterium Production
Cross Section

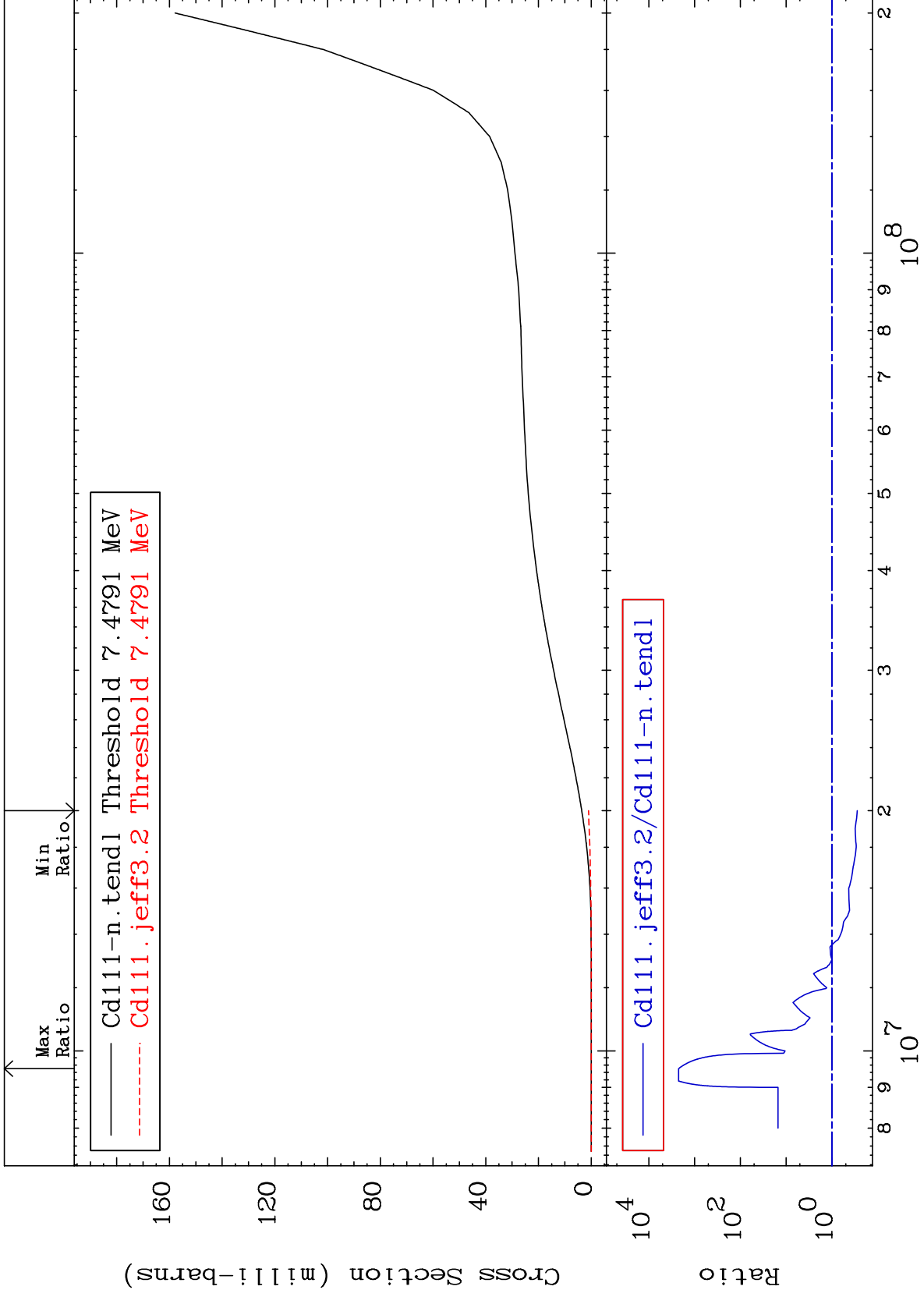
48-Cd-111
-86.05 To 9999. %



MAT 4840

Tritium Production
Cross Section

48-Cd-111
-72.01 To 9999. %



30

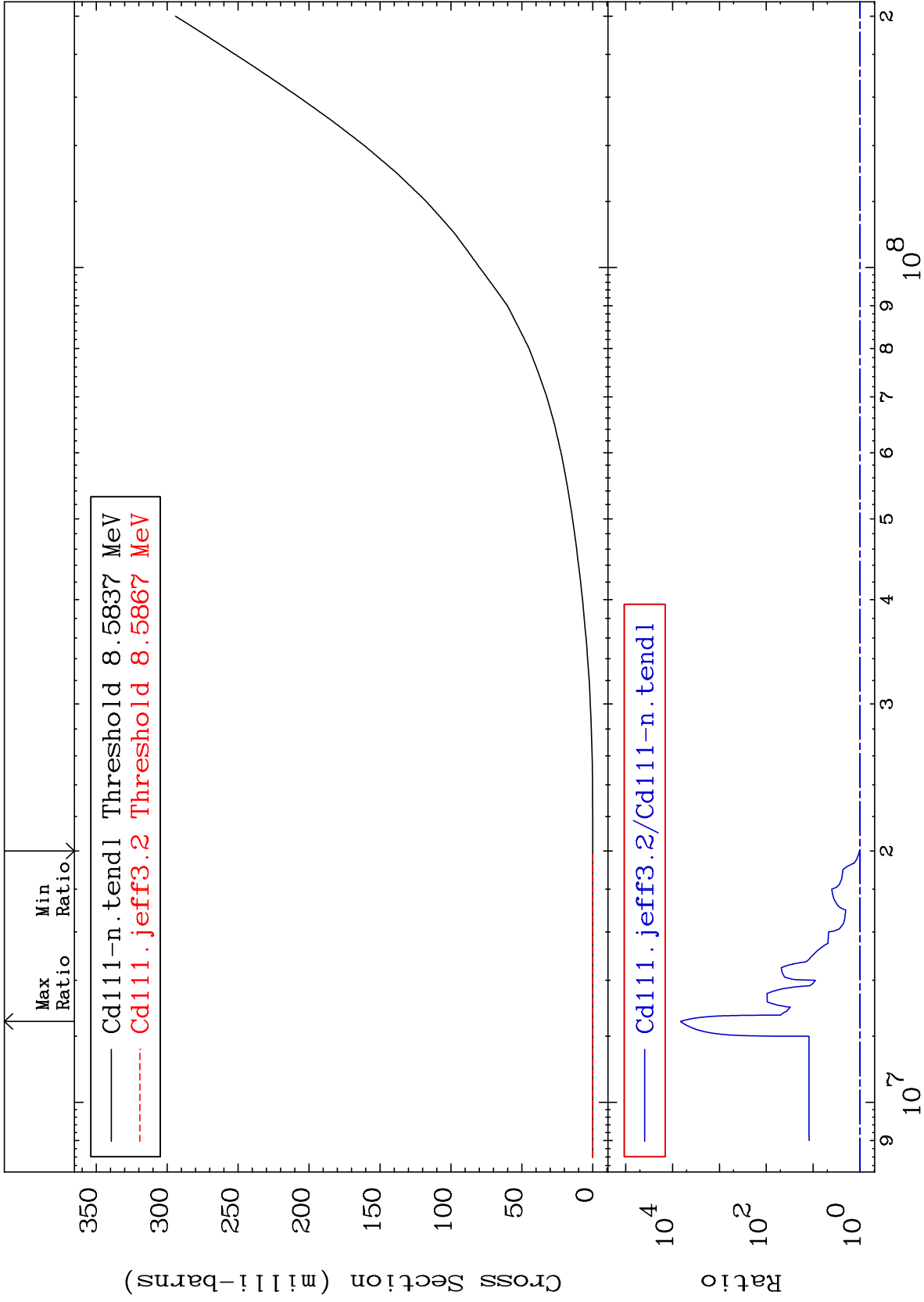
Incident Energy (eV)

48-Cd-111

MAT 4840

He-3 Production
Cross Section

48-Cd-111
3.109 To 9999. %



31

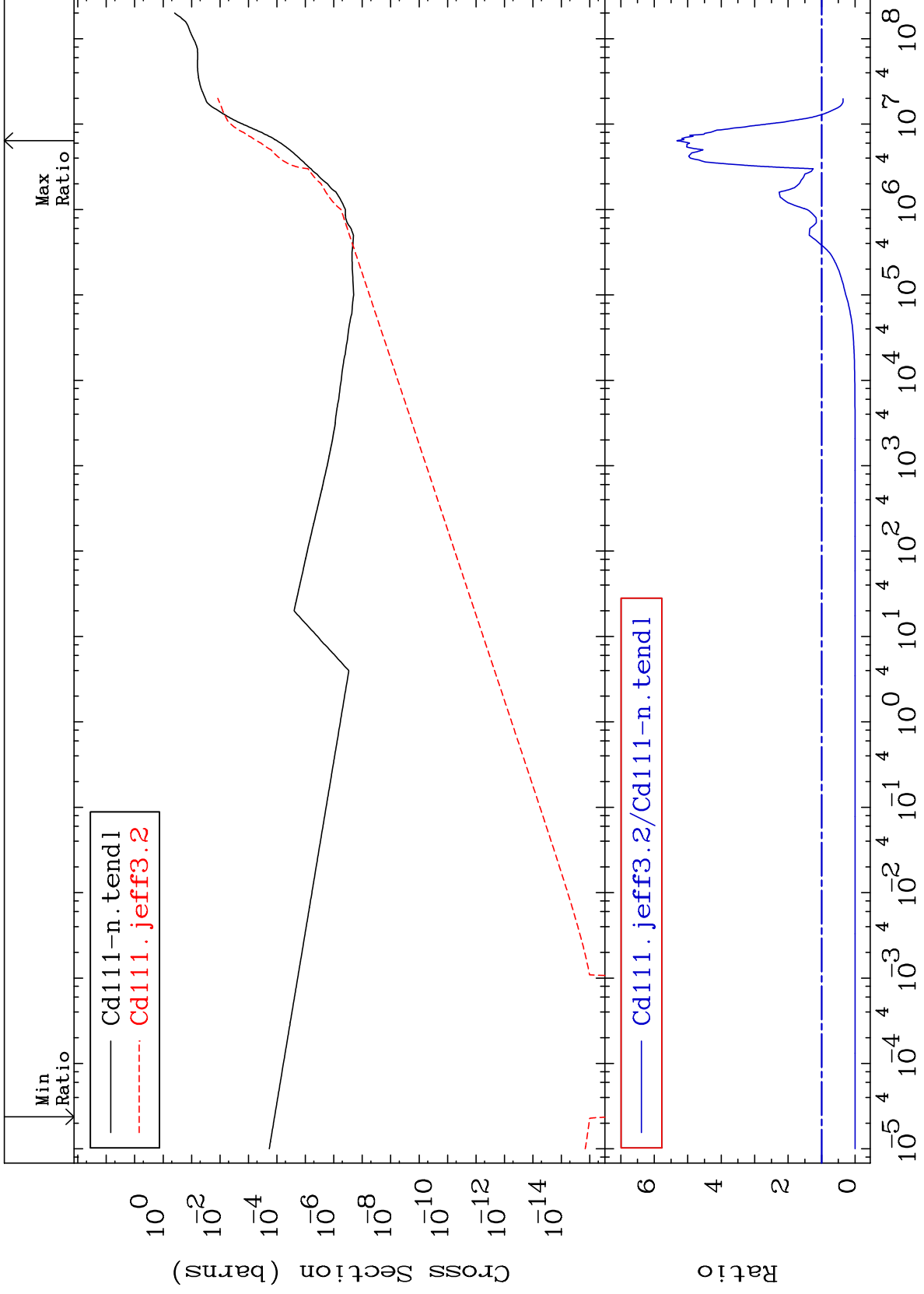
Incident Energy (eV)

48-Cd-111

MAT 4840

He-4 Production
Cross Section

48-Cd-111
-100.0 To 432.3 %



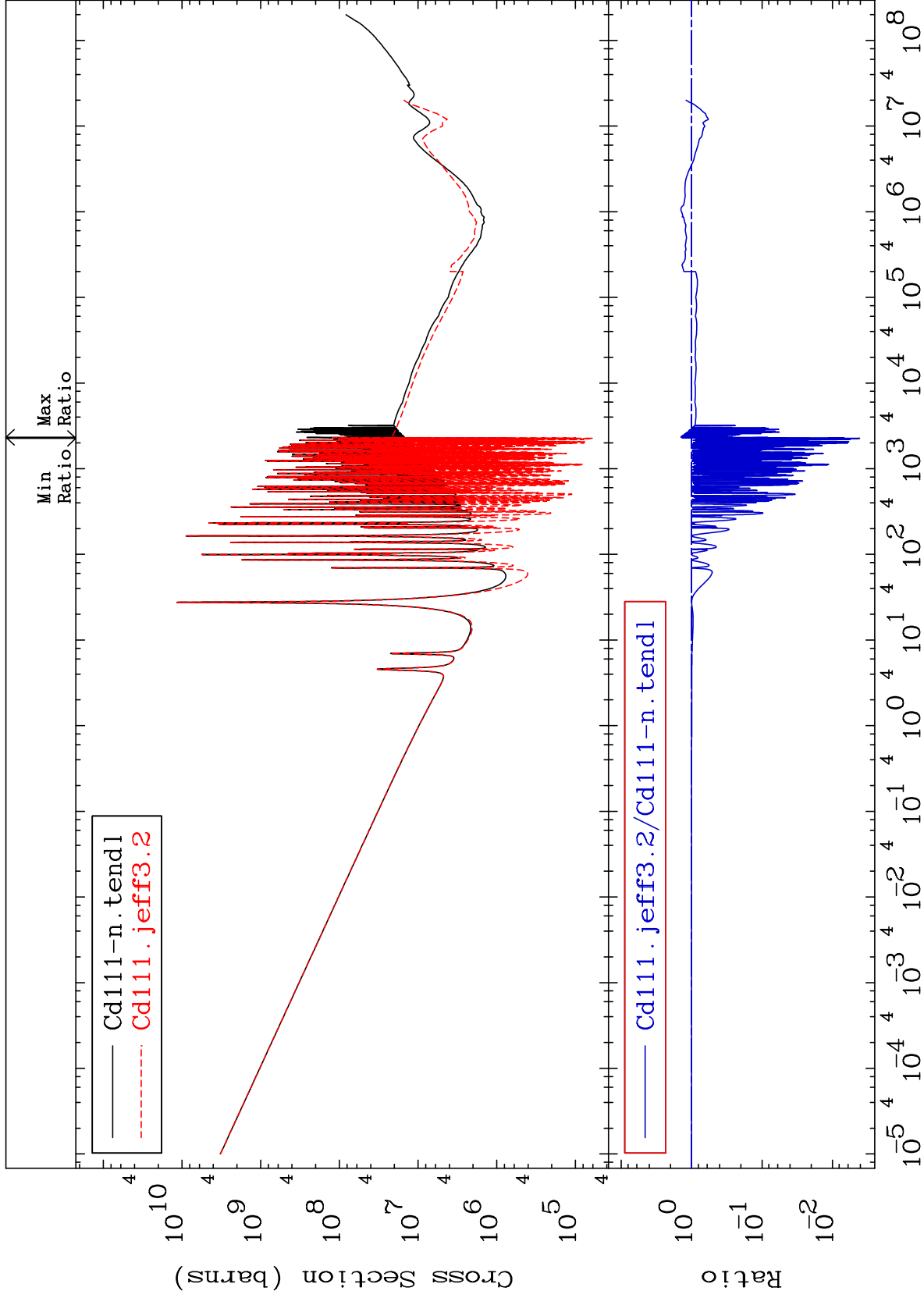
MAT 4840

Kerma total (eV-barns)

48-Cd-111

Cross Section

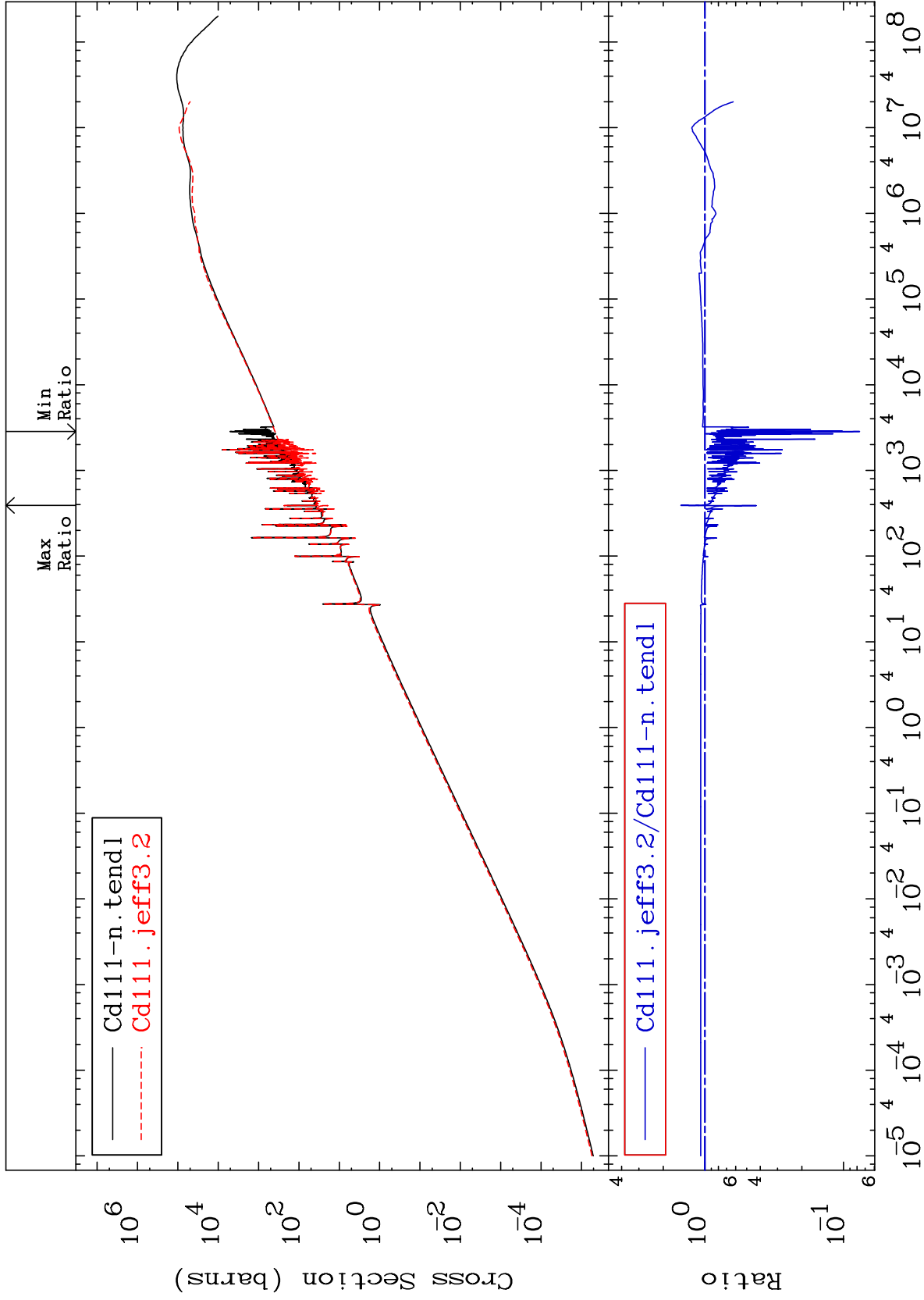
-99.59 To 42.74 %



MAT 4840

Kerma elastic
Cross Section

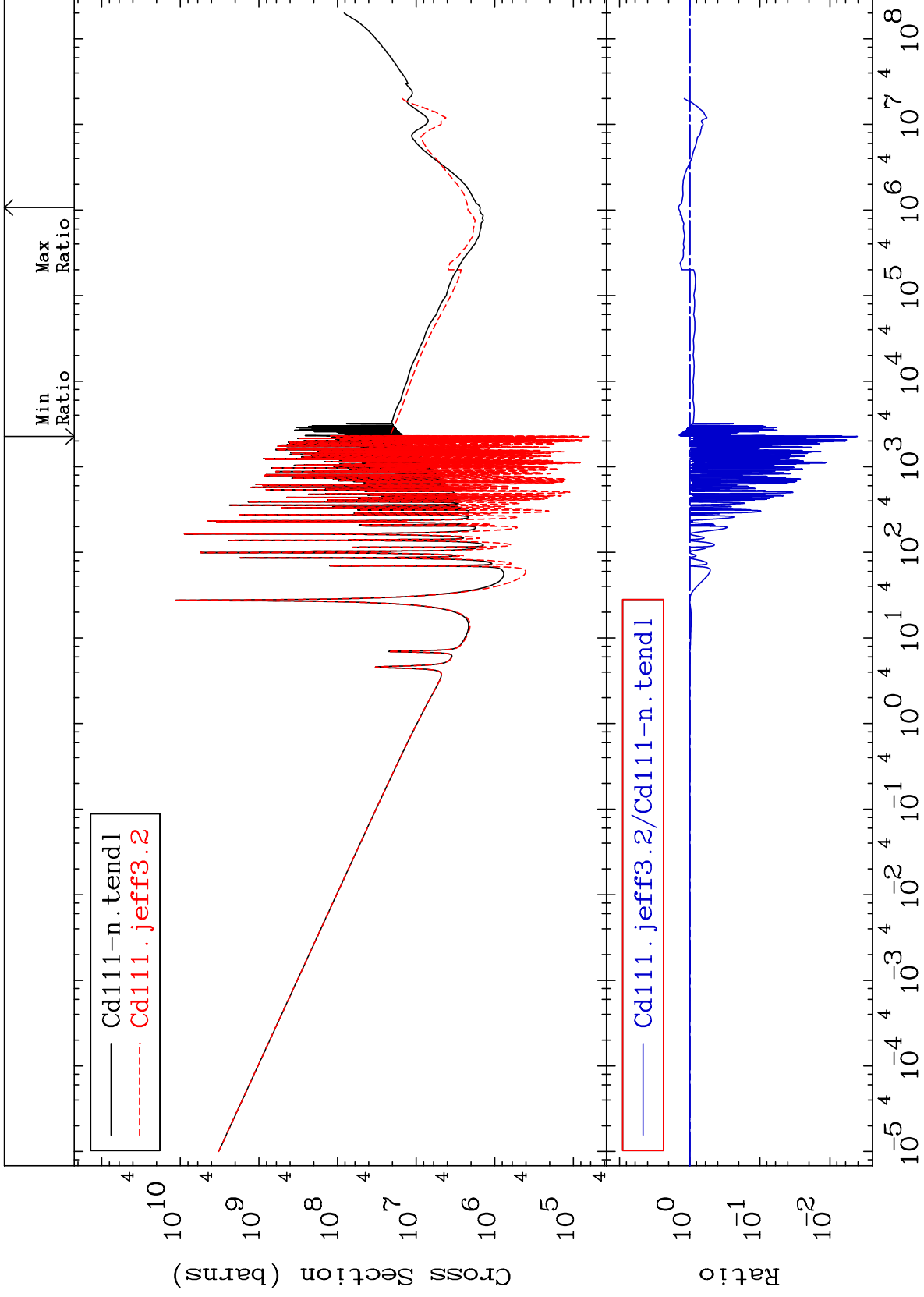
48-Cd-111
-92.33 To 49.49 %

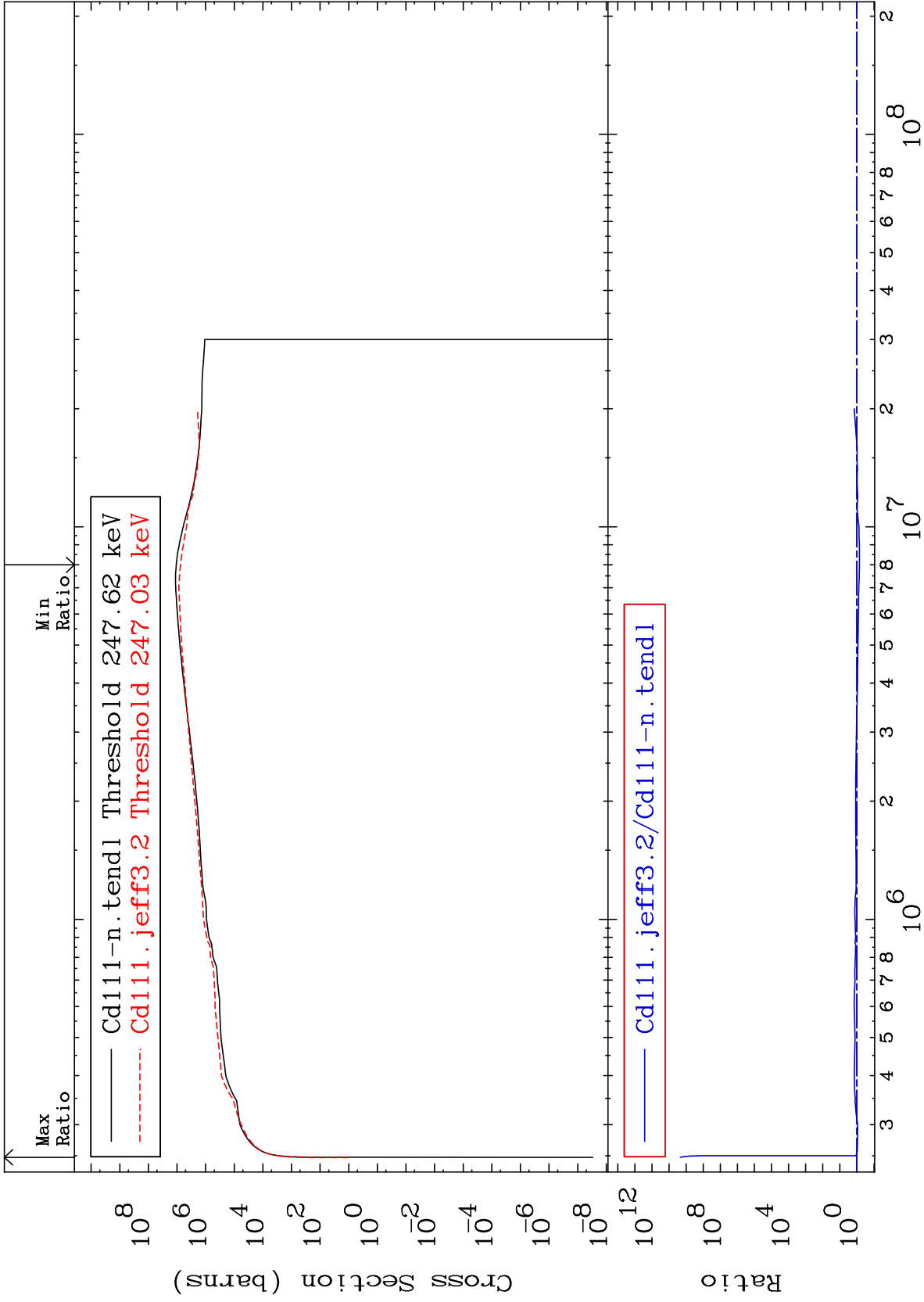


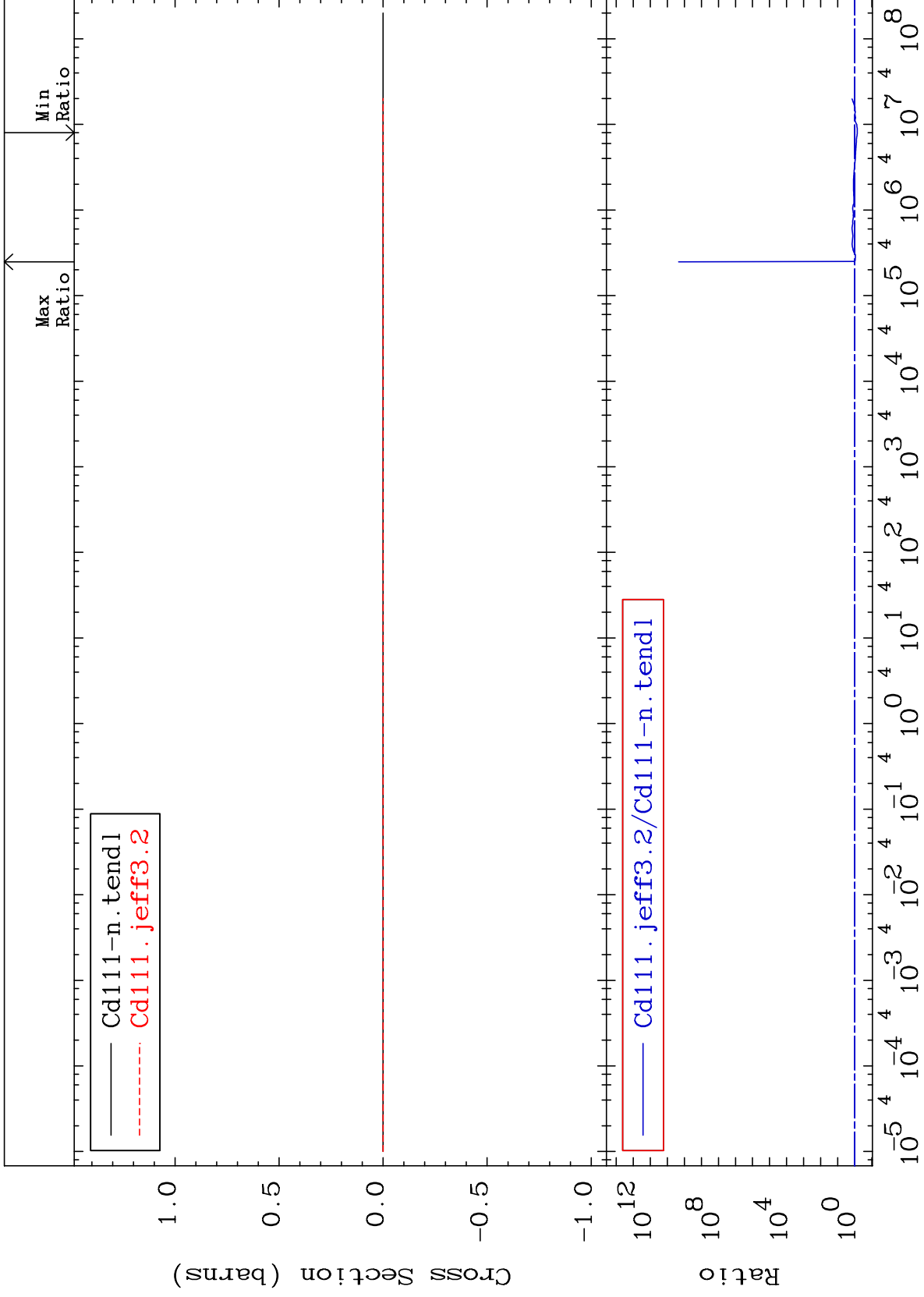
MAT 4840

Kerma non-elastic (all but mt2)
Cross Section

48-Cd-111
-99.59 To 44.03 %



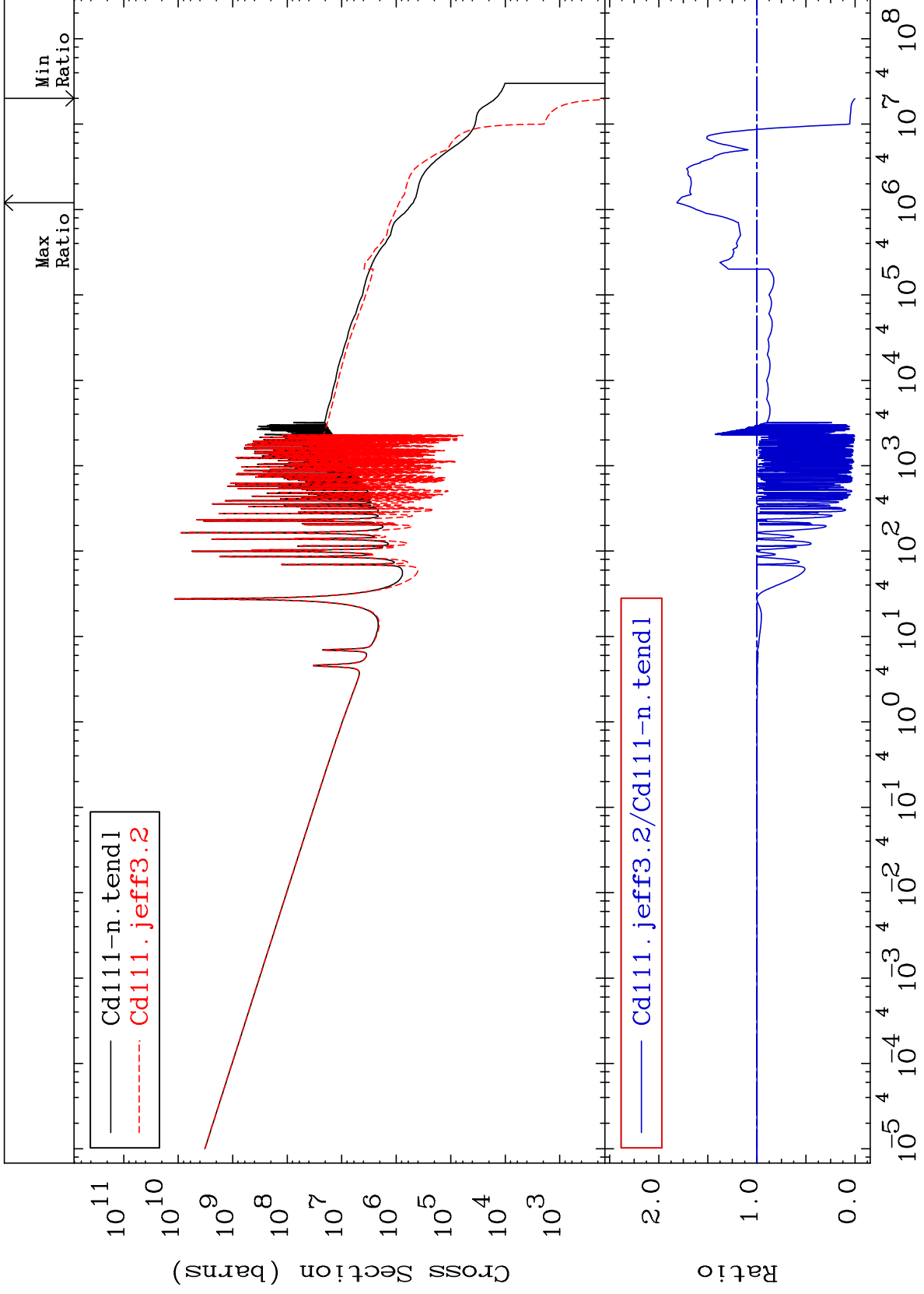




MAT 4840

Kerma capture (mt102)
Cross Section

48-Cd-111
-100.0 To 81.47 %



38

Incident Energy (eV)

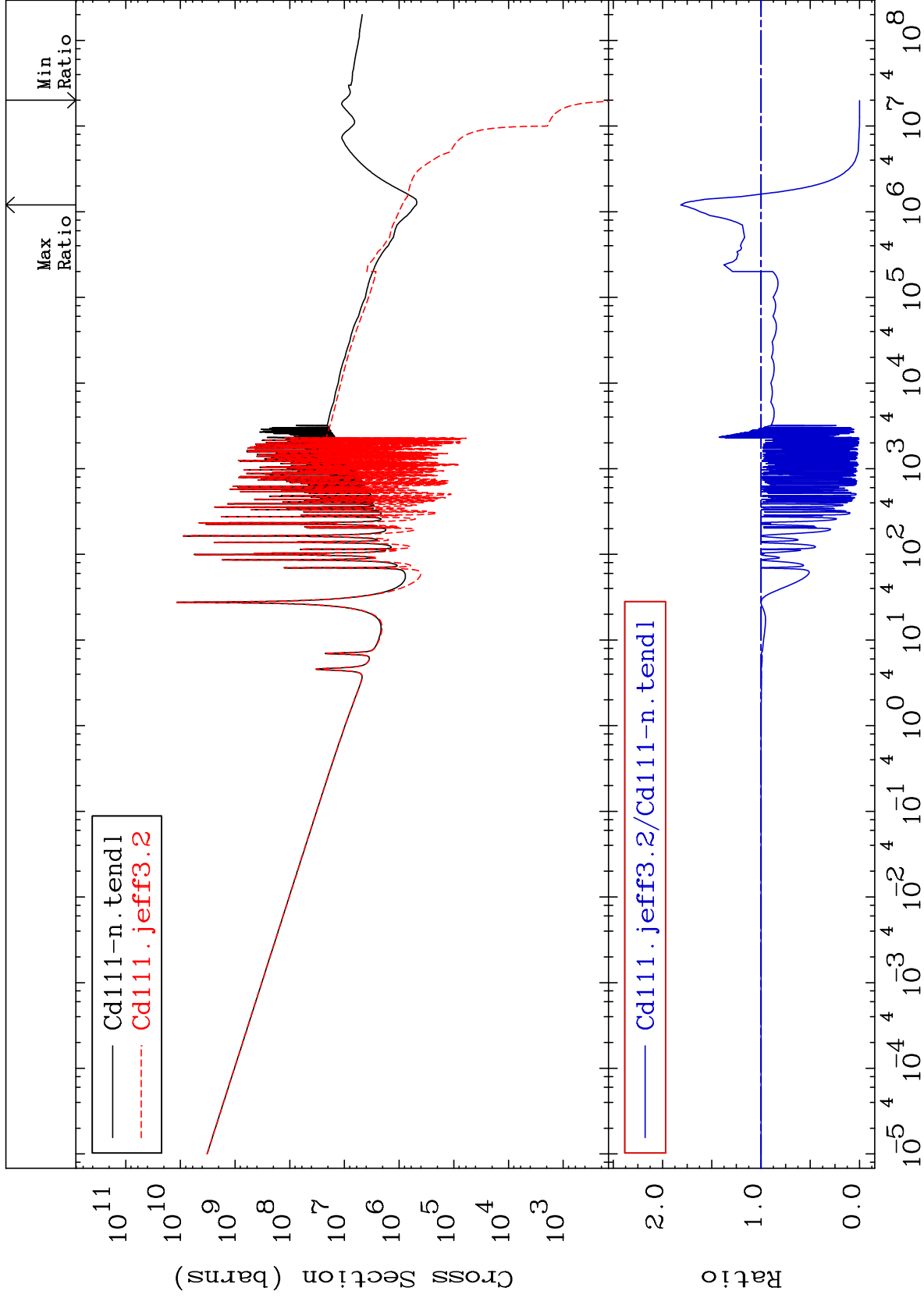
48-Cd-111

MAT 4840

Total photon (eV-barns)
Cross Section

48-Cd-111

-100.0 To 81.47 %



39

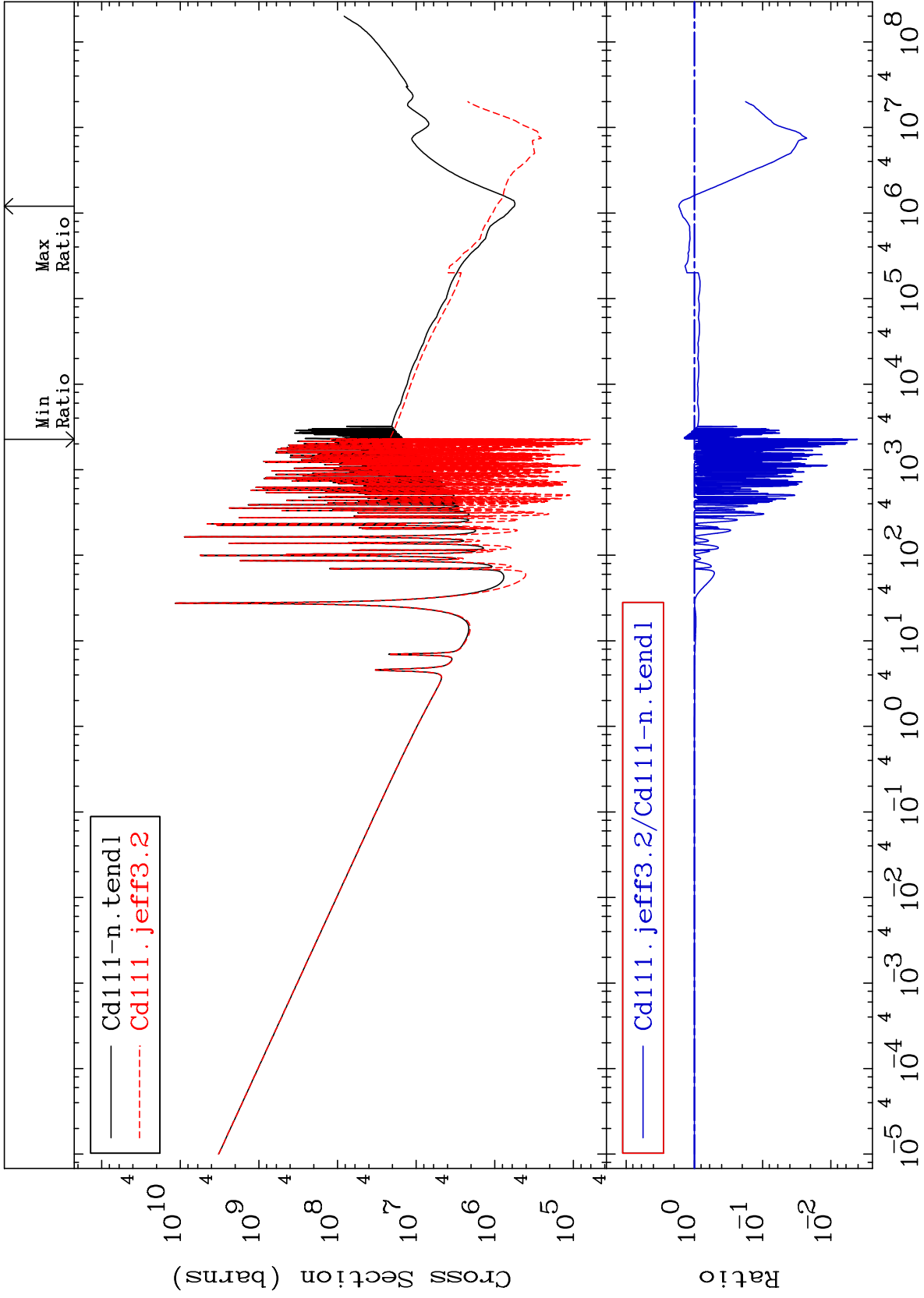
Incident Energy (eV)

48-Cd-111

MAT 4840

Total kinematic kerma (high limit)
Cross Section

48-Cd-111
-99.59 To 70.69 %



40

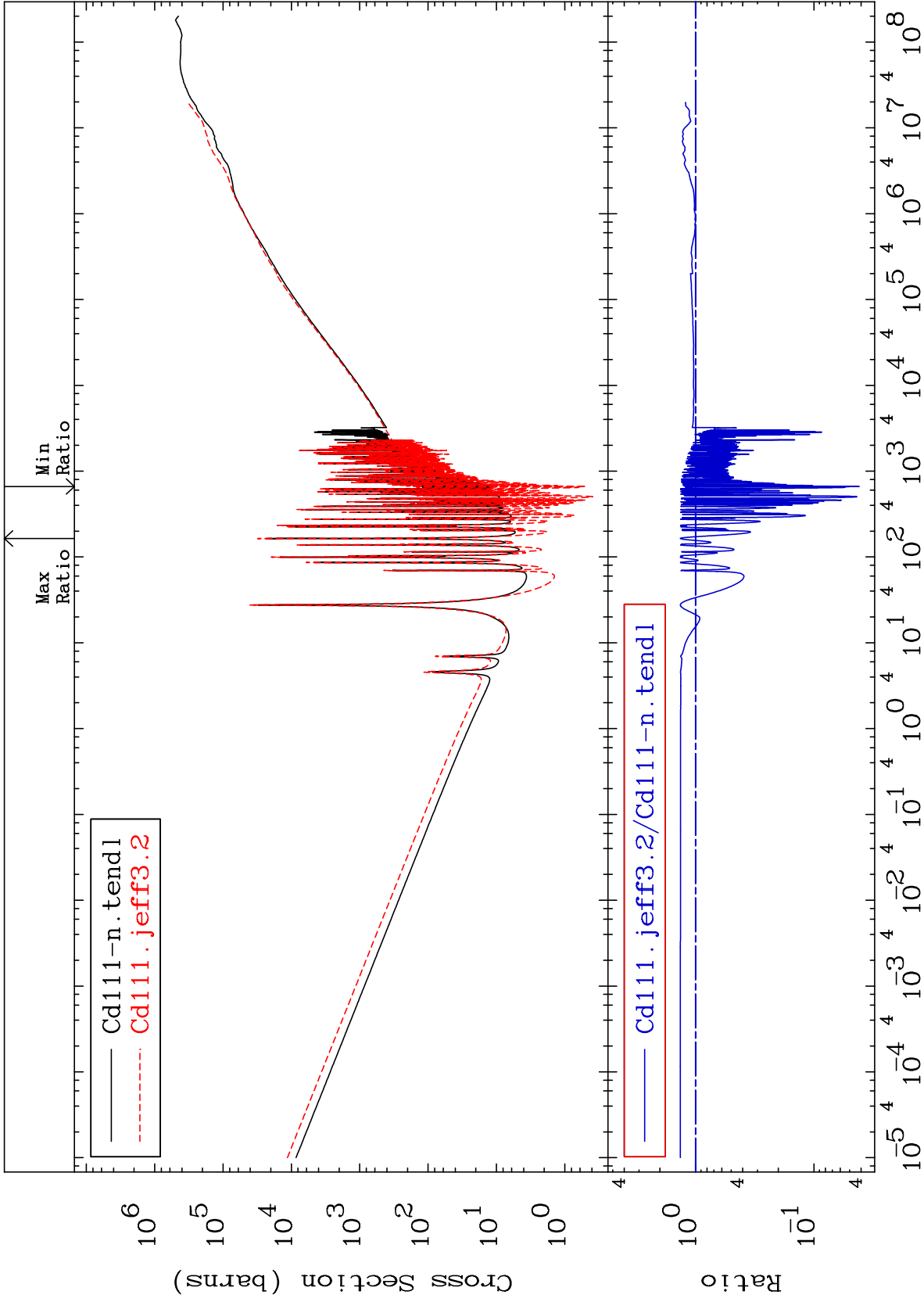
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa total (eV-barns)
Cross Section

48-Cd-111
-95.87 To 34.15 %



41

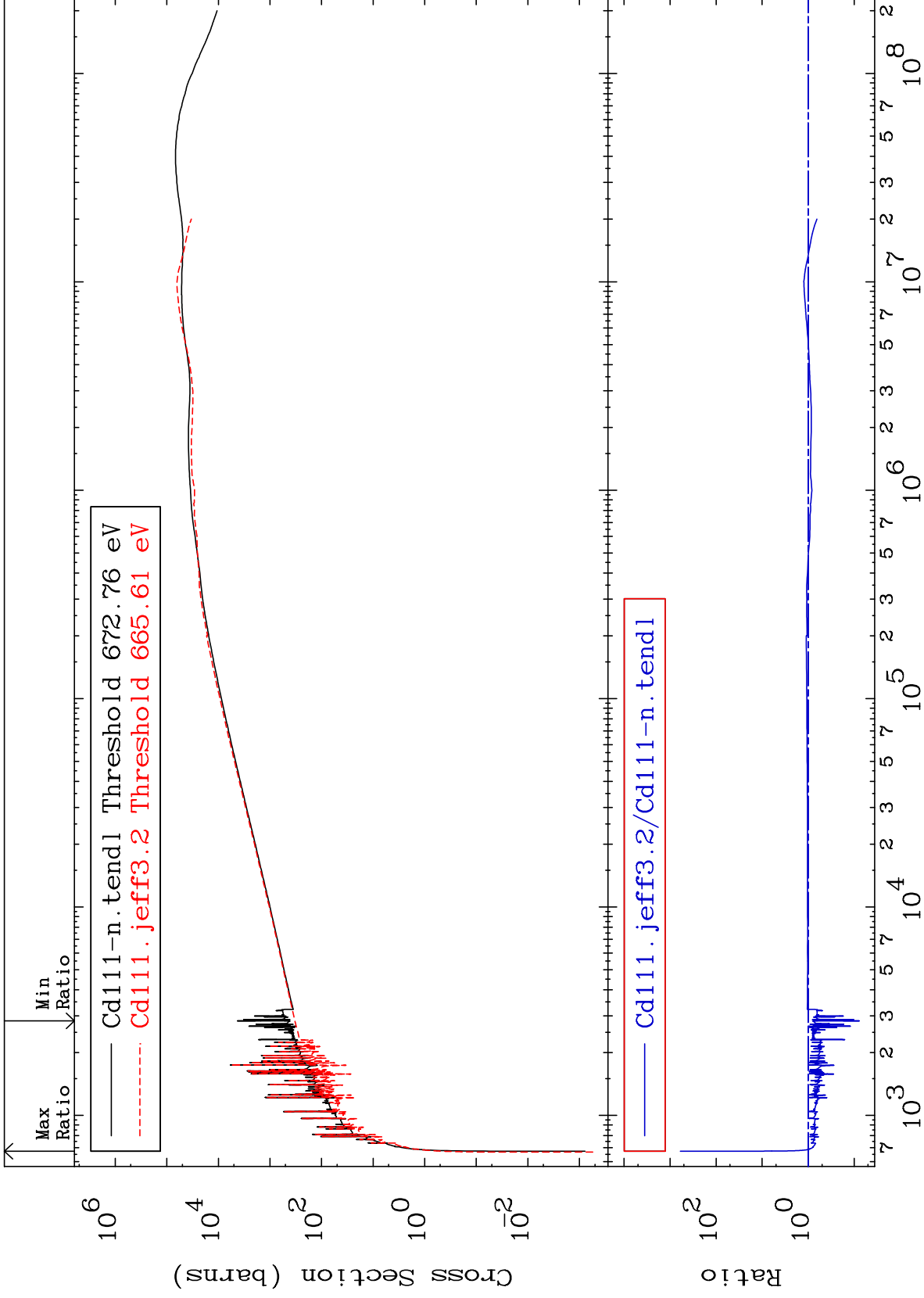
Incident Energy (eV)

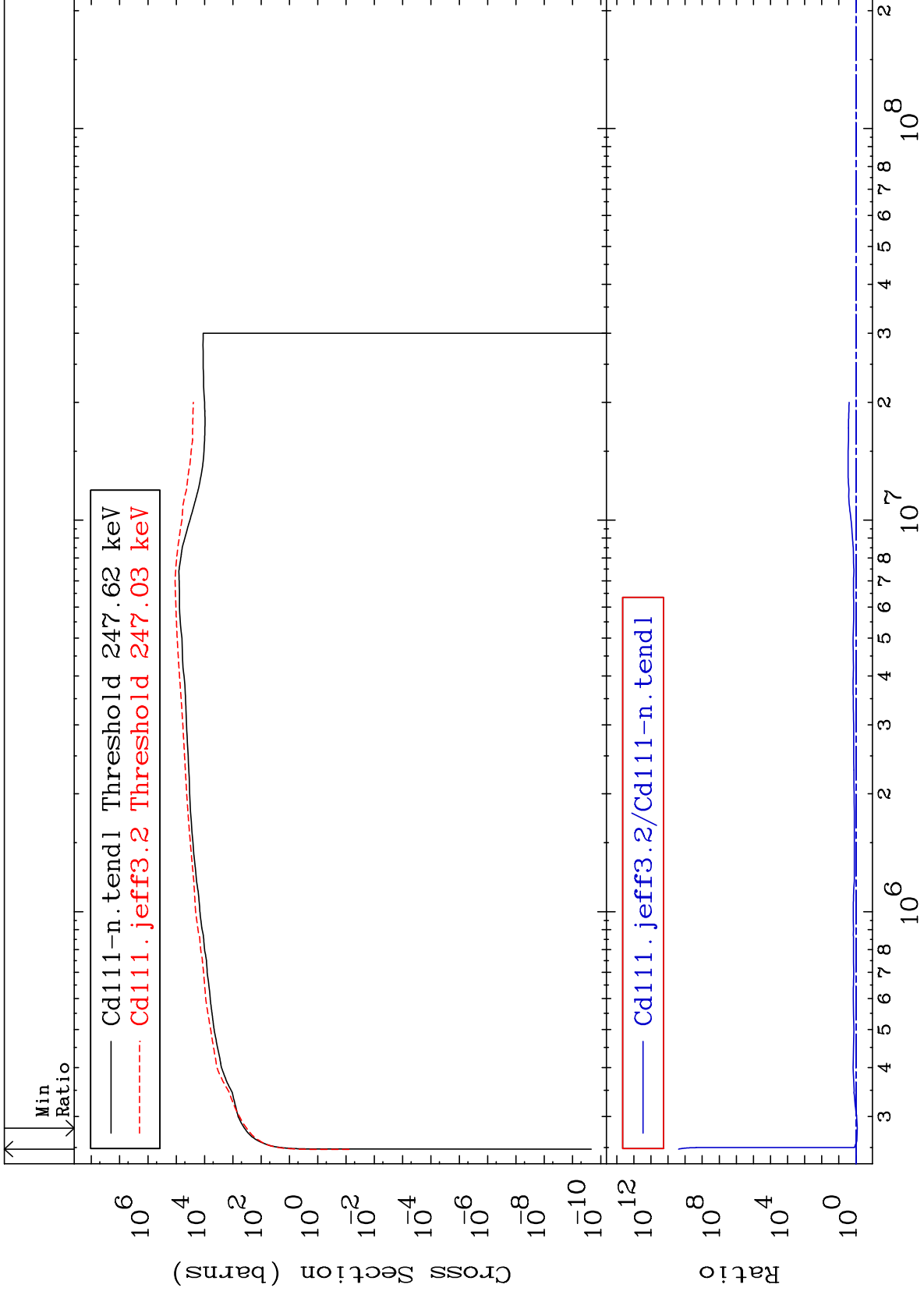
48-Cd-111

MAT 4840

Dpa elastic (mt2)
Cross Section

48-Cd-111
-92.30 To 9999. %





MAT 4840

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-111
-99.46 To 274.8 %

