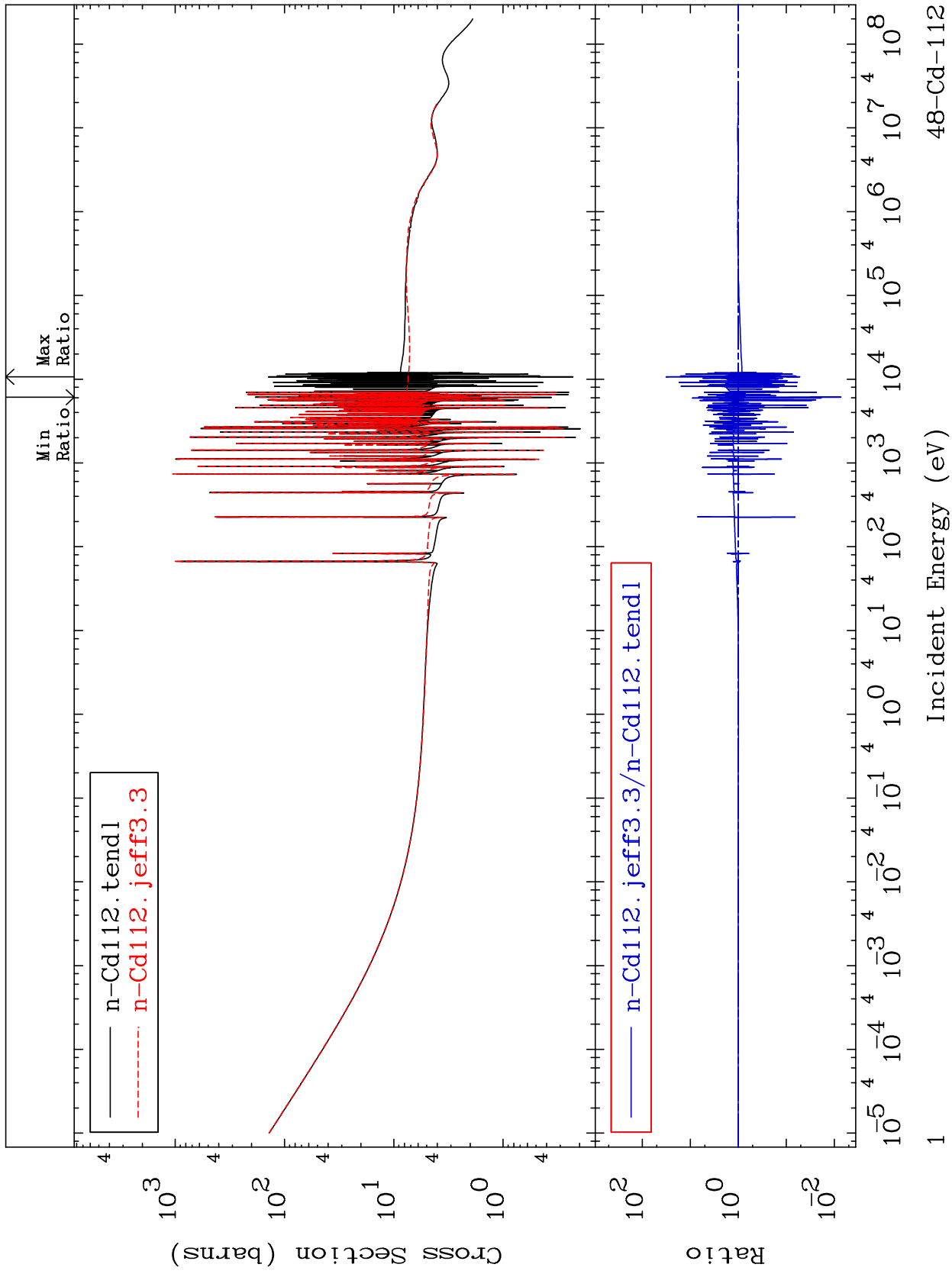


MAT 4843

Total
Cross Section

48-Cd-112
-99.27 To 3105. %



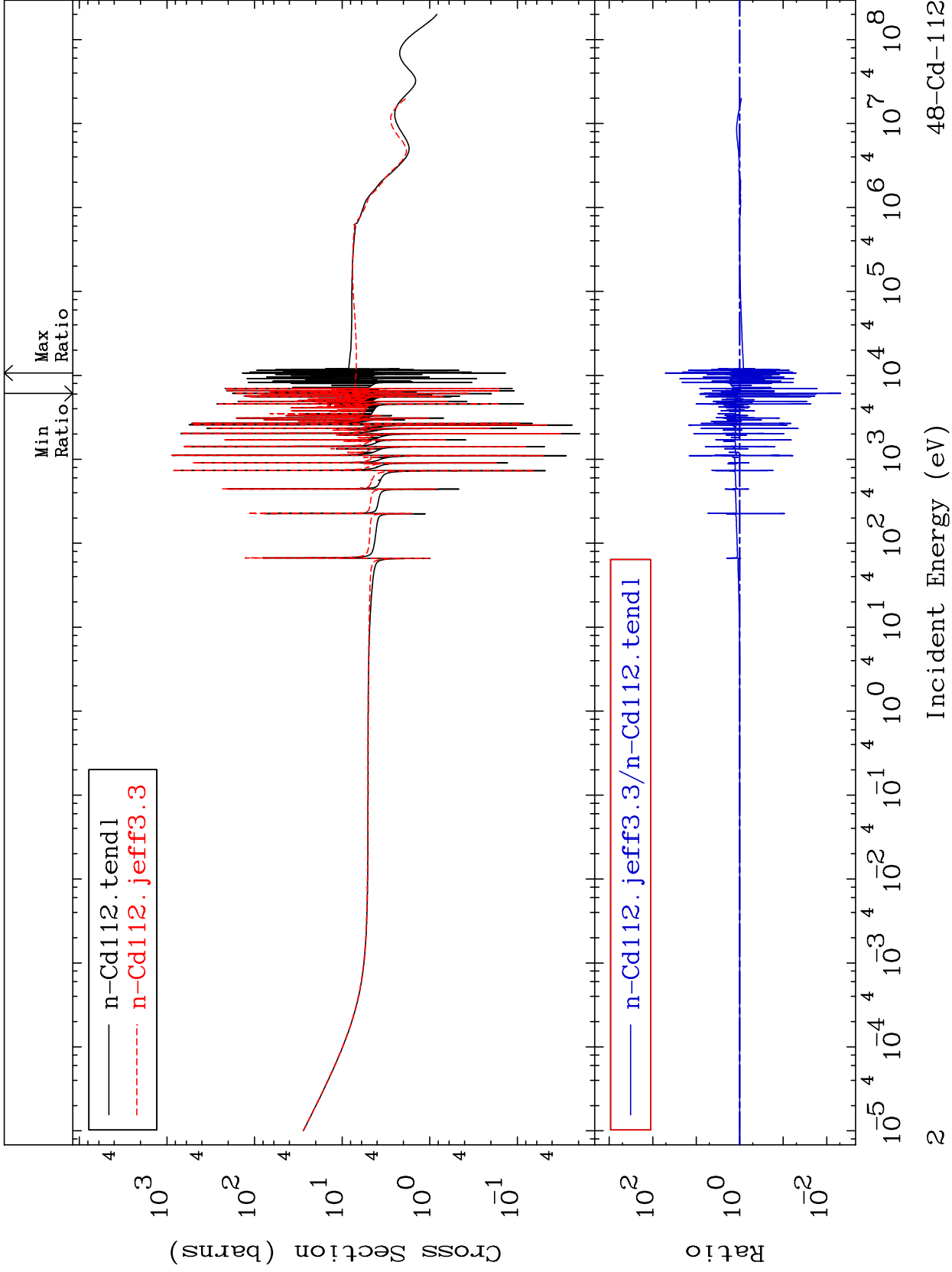
Incident Energy (eV)

48-Cd-112

MAT 4843

Elastic
Cross Section

48-Cd-112
-99.52 To 4988. %



2

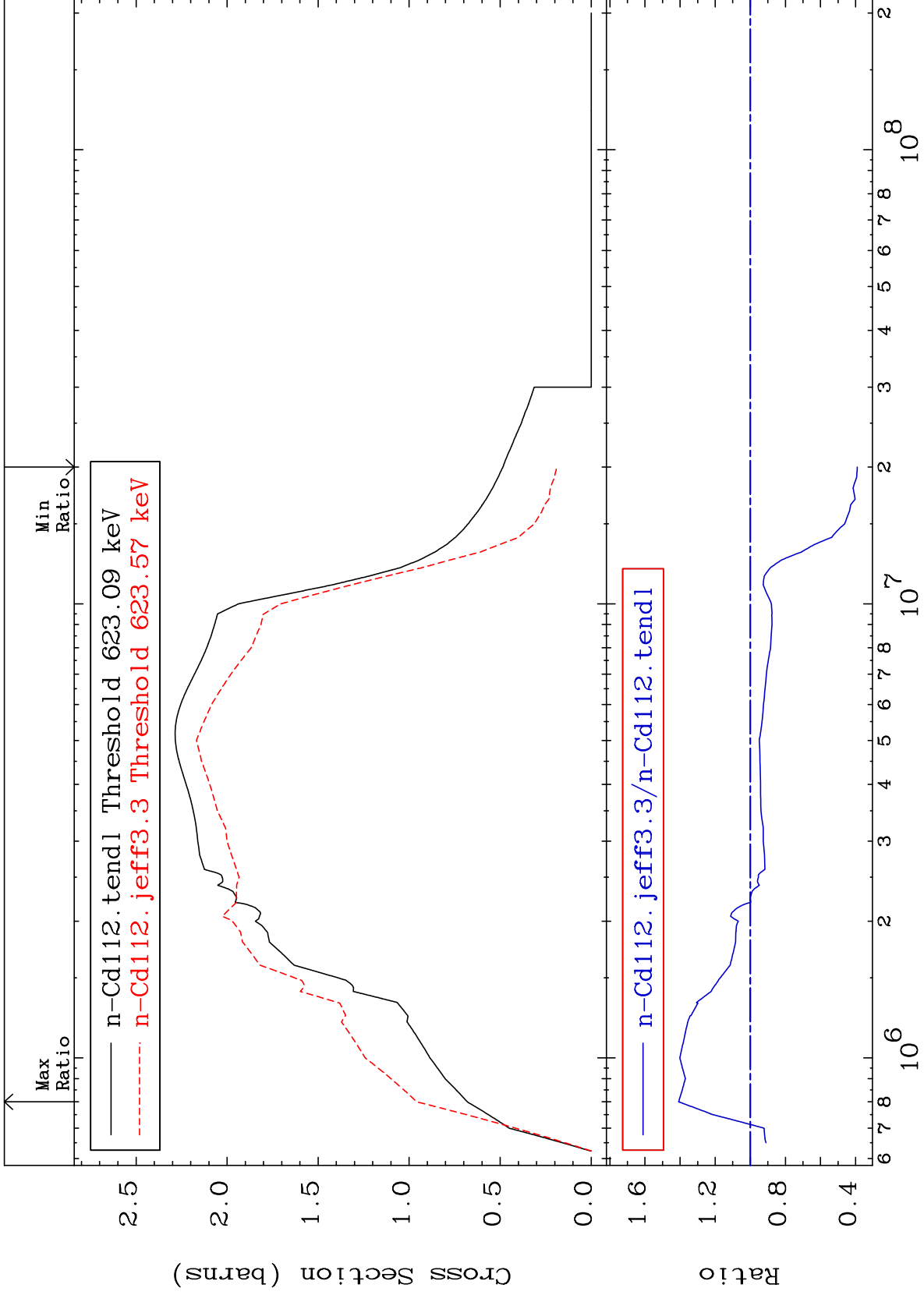
Incident Energy (eV)

48-Cd-112

MAT 4843

Inelastic
Cross Section

48-Cd-112
-60.94 To 40.83 %



3

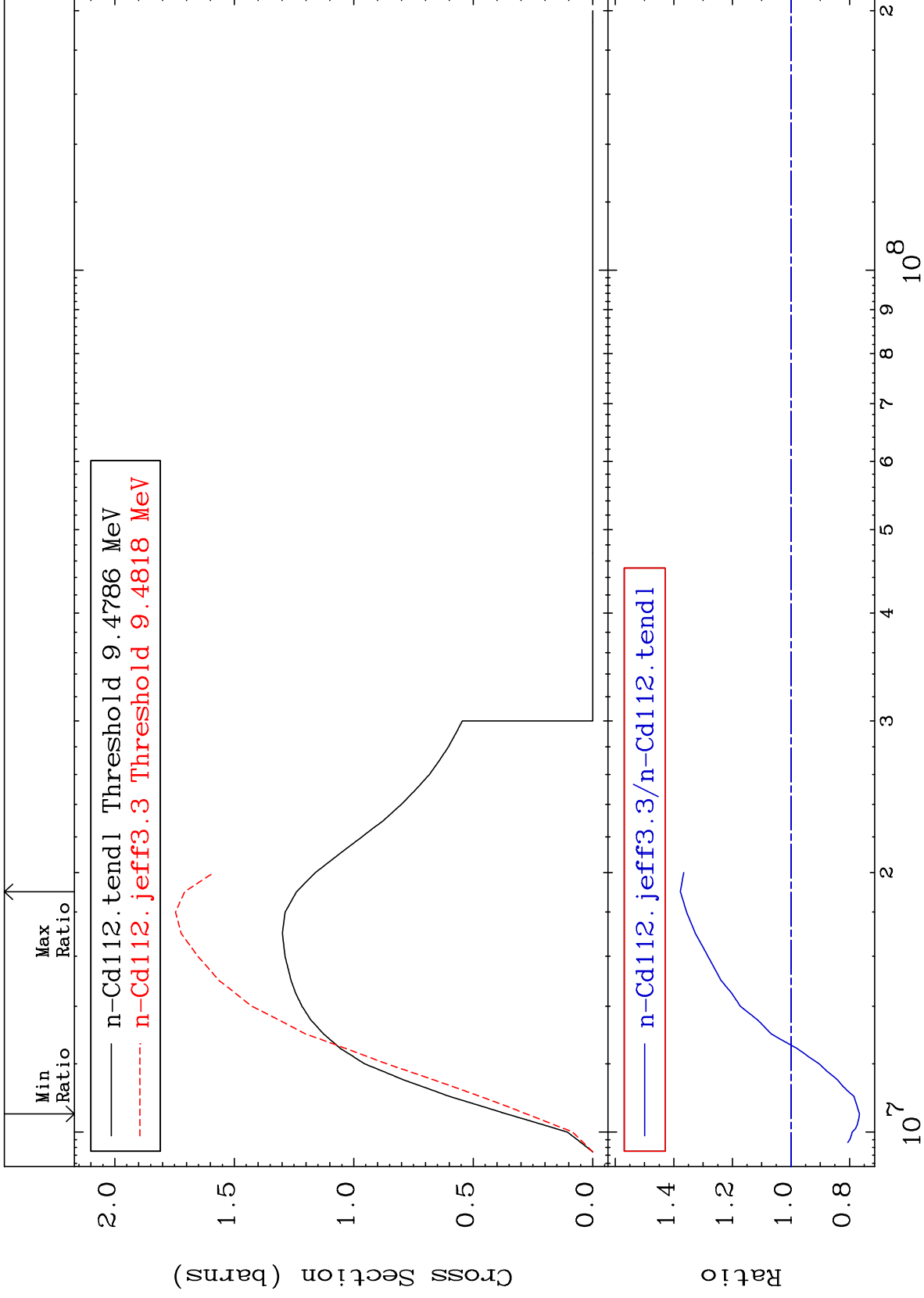
Incident Energy (eV)

48-Cd-112

MAT 4843

(n,2n)
Cross Section

48-Cd-112
-23.38 To 37.76 %



4

Incident Energy (eV)

48-Cd-112

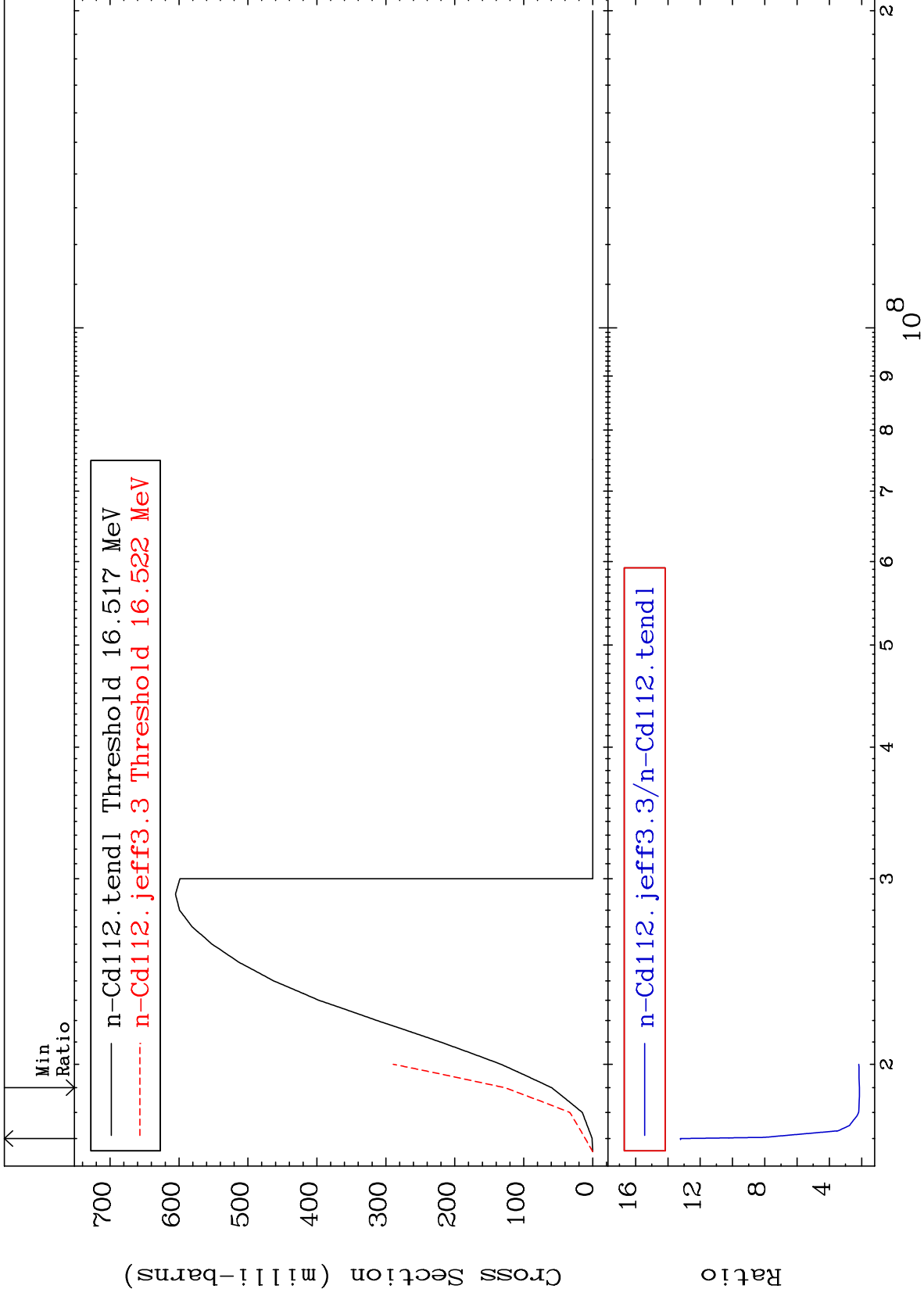
MAT 4843

(n,3n)

48-Cd-112

Cross Section

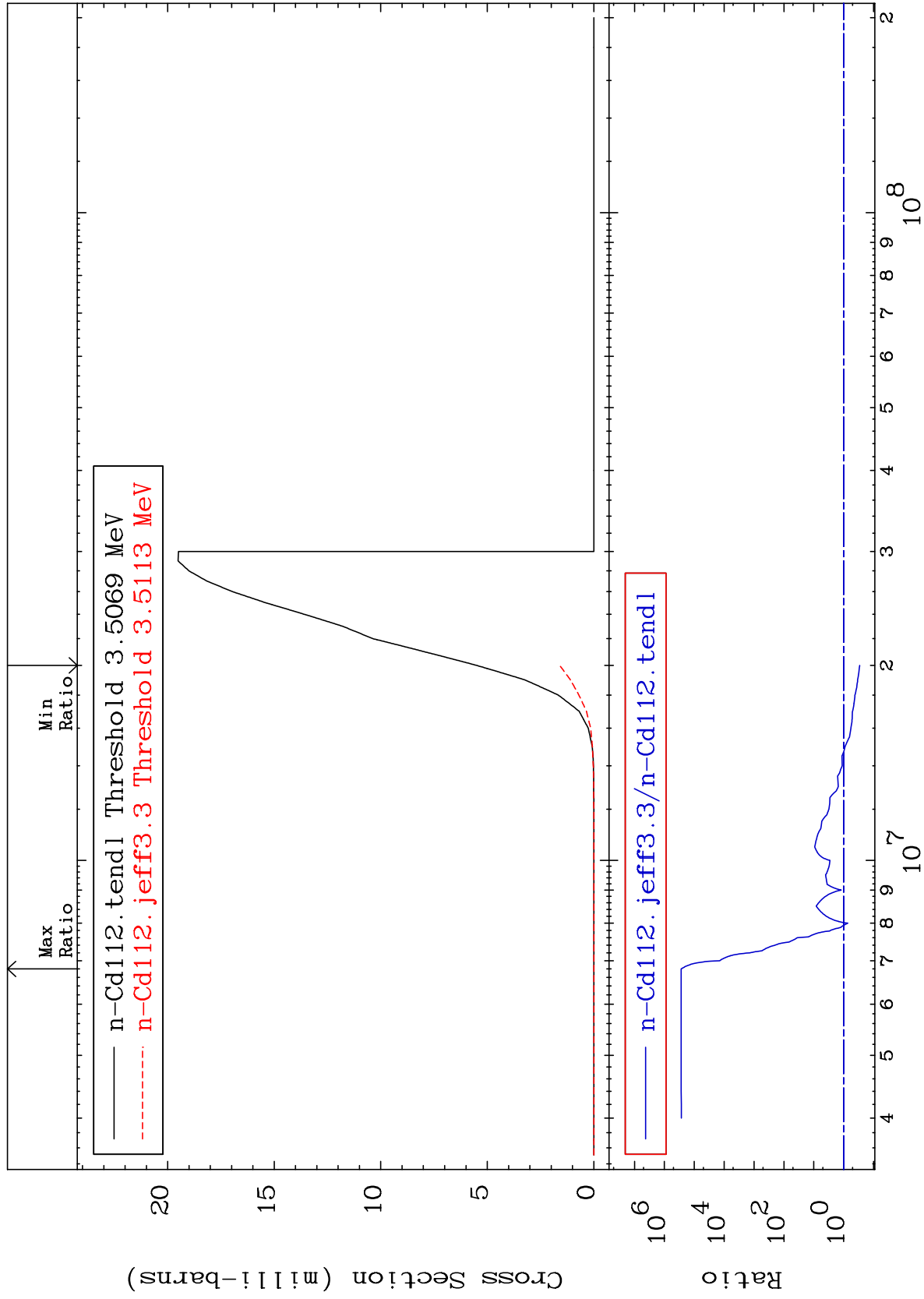
113.7 To 1223. %



MAT 4843

48-Cd-112

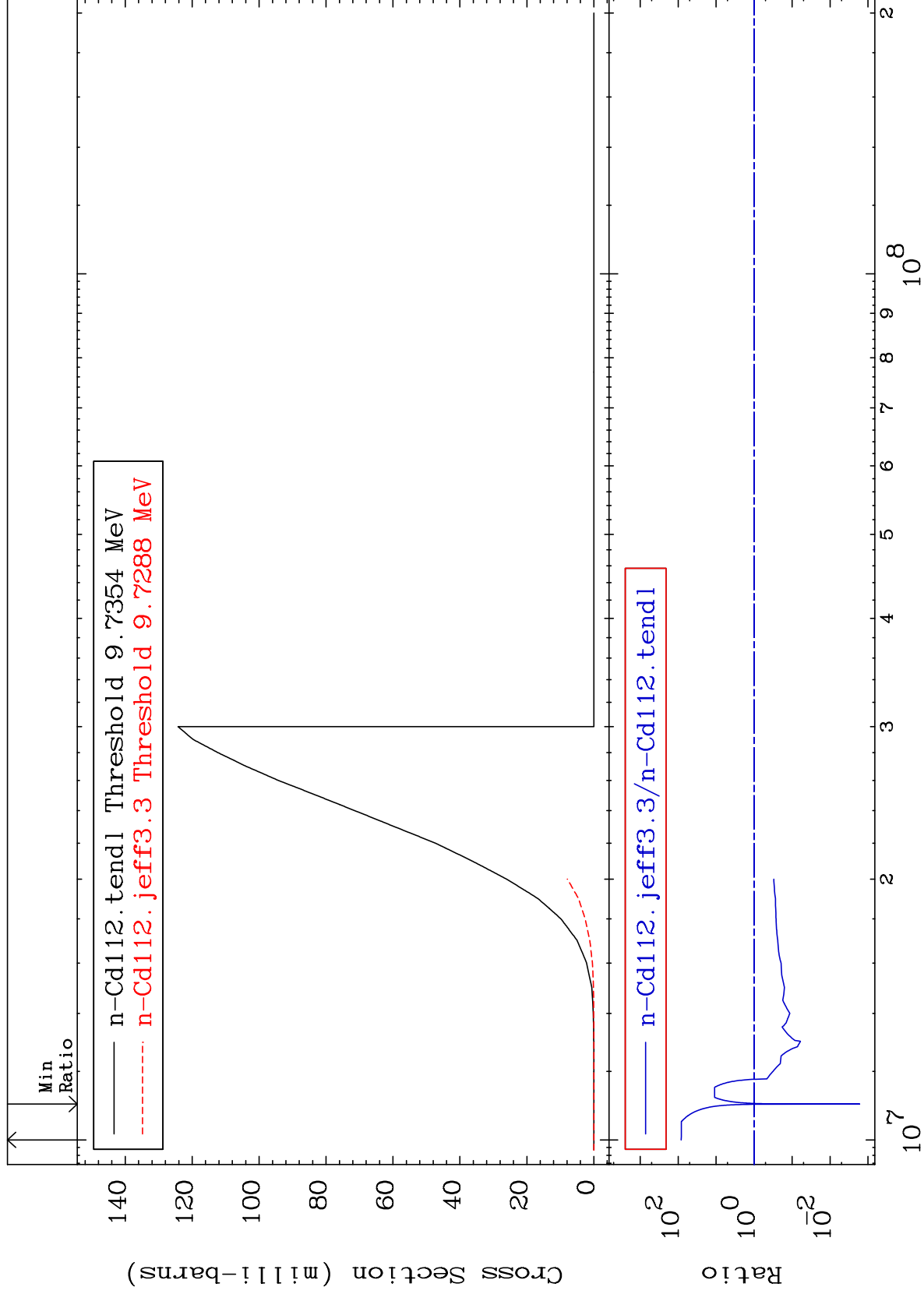
(n,n') α
Cross Section
-70.85 To 9999. %



MAT 4843

(n,n') p
Cross Section

48-Cd-112
-99.83 To 8215. %



7

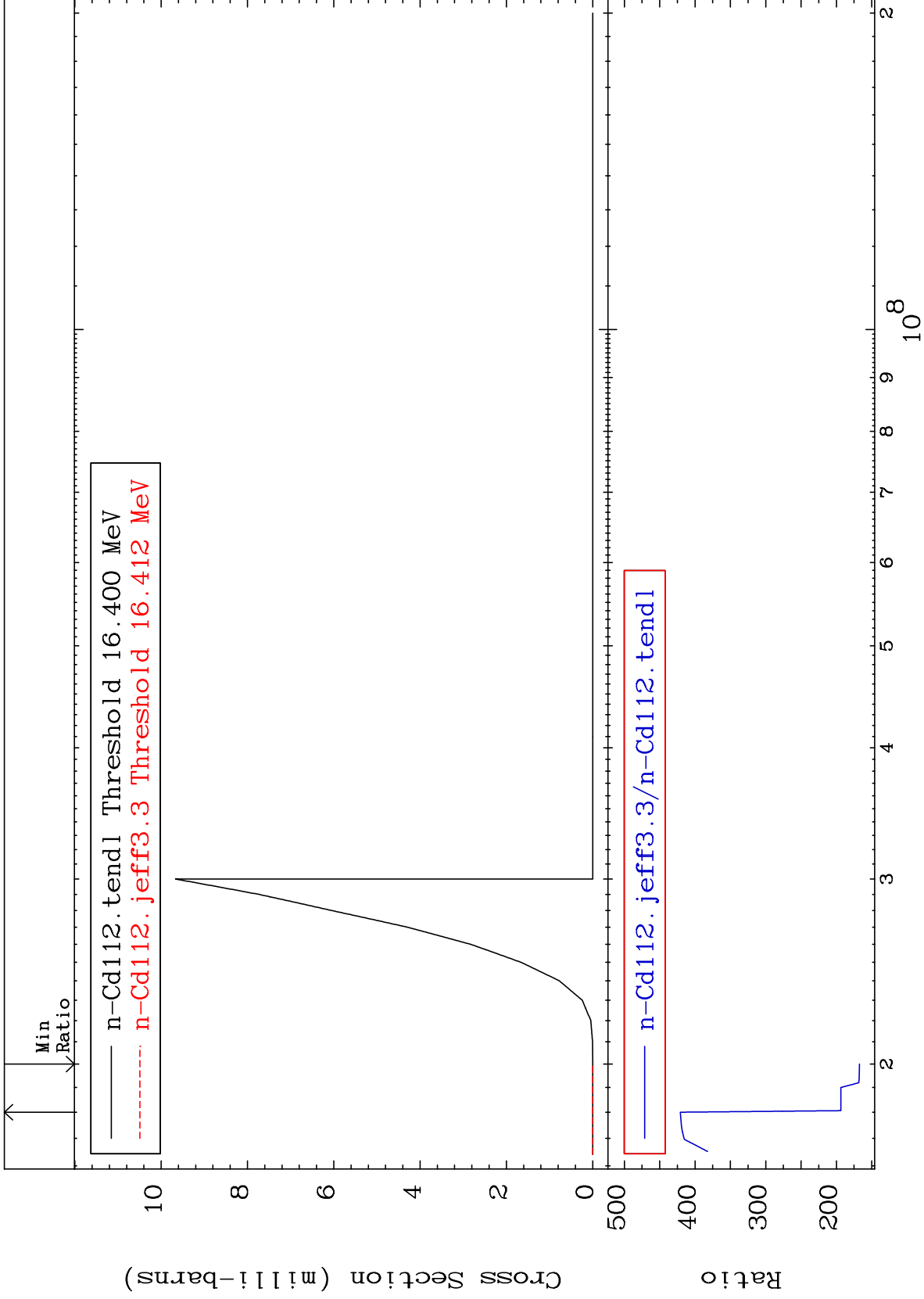
Incident Energy (eV)

48-Cd-112

MAT 4843

(n,n') d
Cross Section

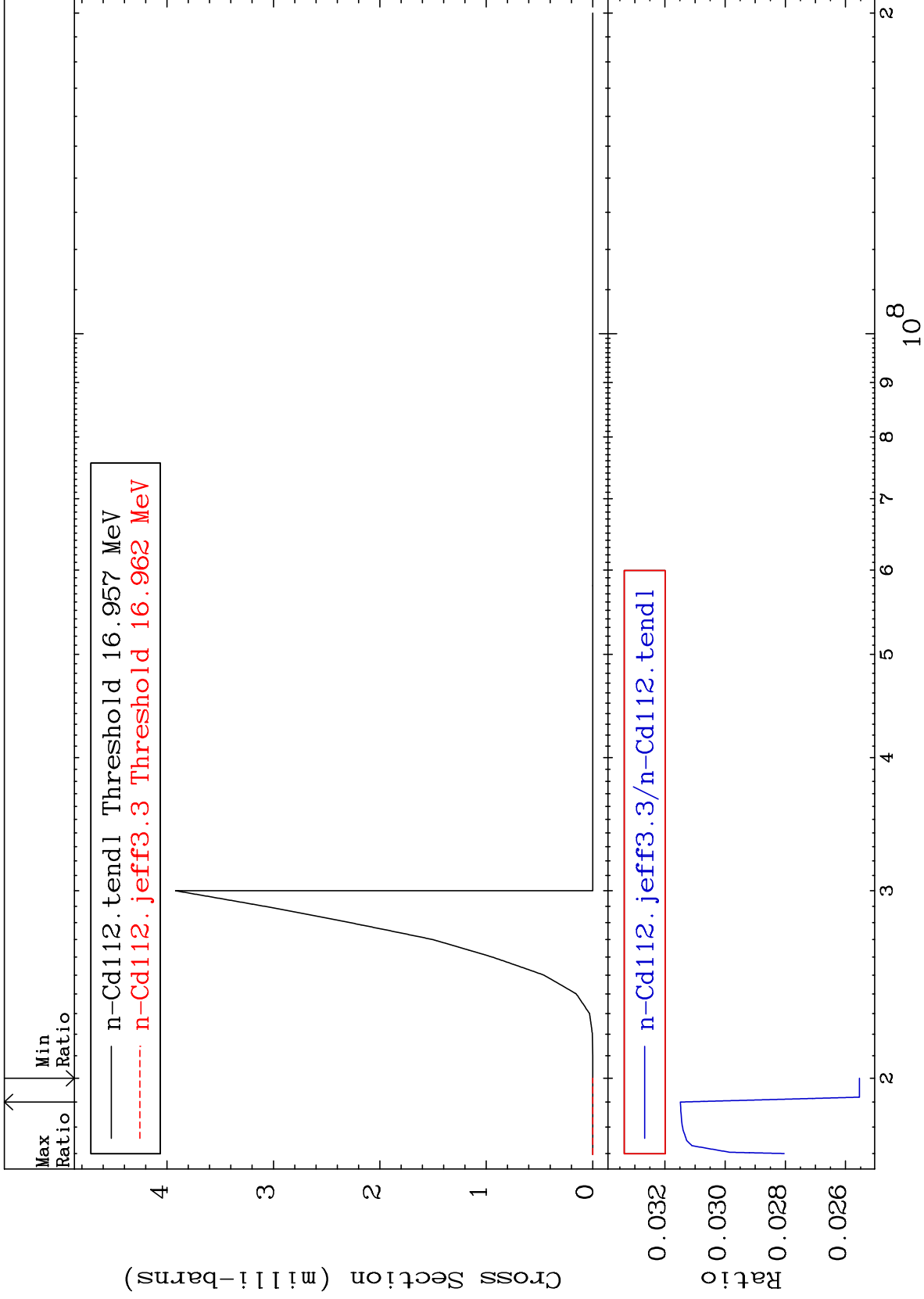
48-Cd-112
-99.98 To -99.96%



MAT 4843

(n,n') t
Cross Section

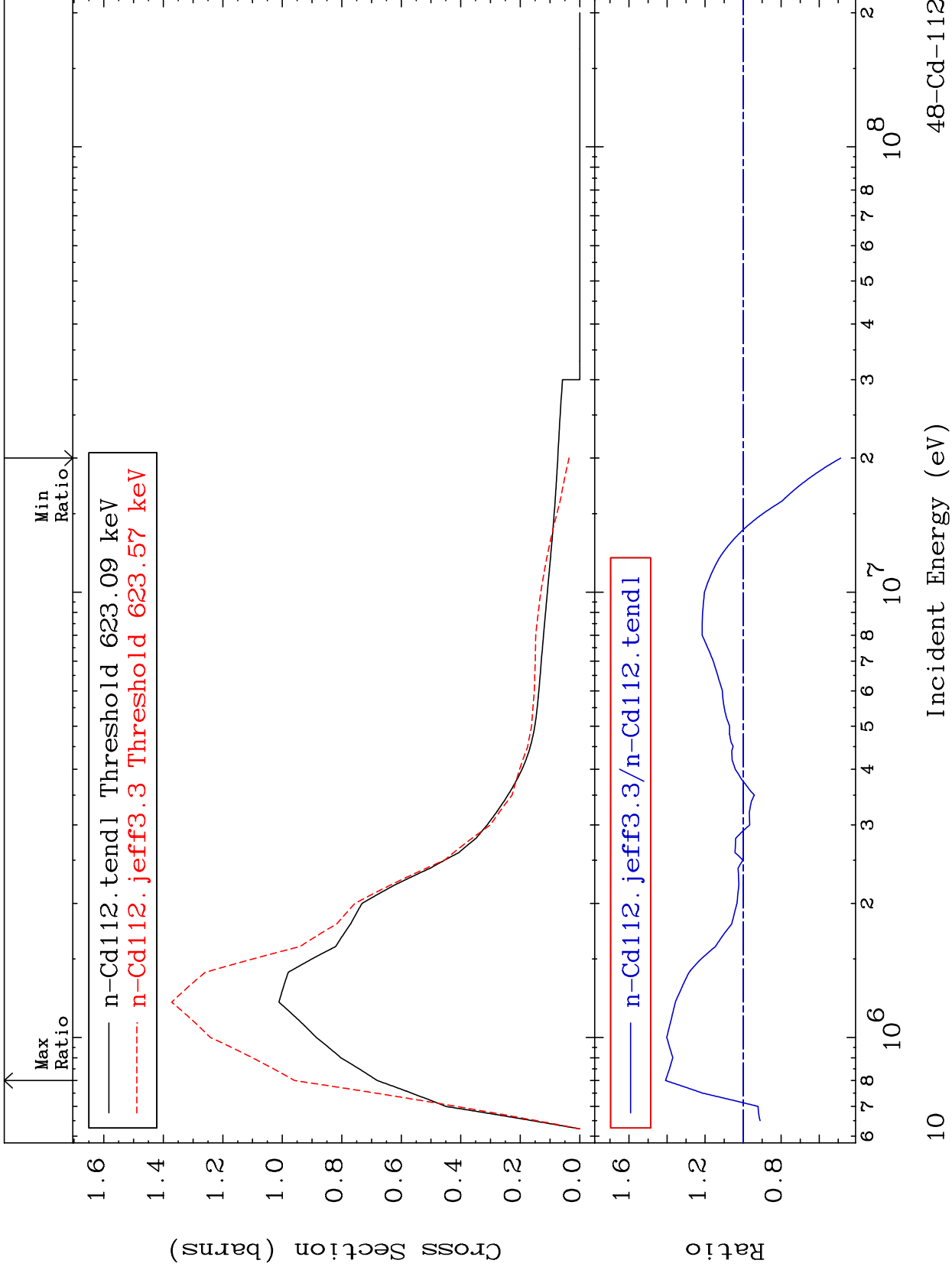
48-Cd-112
-97.45 To -96.85%



MAT 4843

MT= 51 (n,n') Level
Cross Section

48-Cd-112
-51.29 To 40.83 %



10

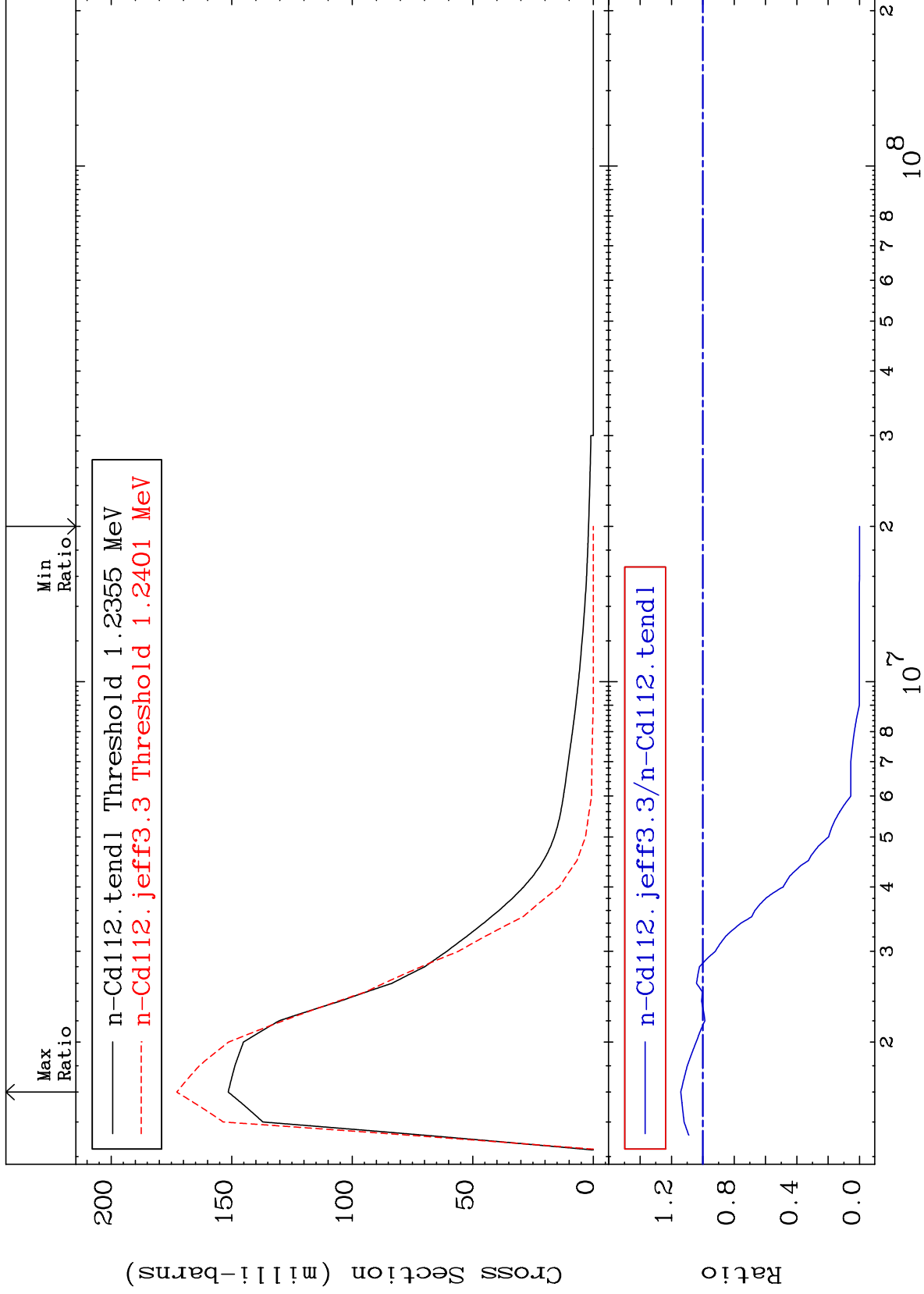
Incident Energy (eV)

48-Cd-112

MAT 4843

MT= 52 (n, n') Level
Cross Section

48-Cd-112
-100.0 To 14.09 %



11

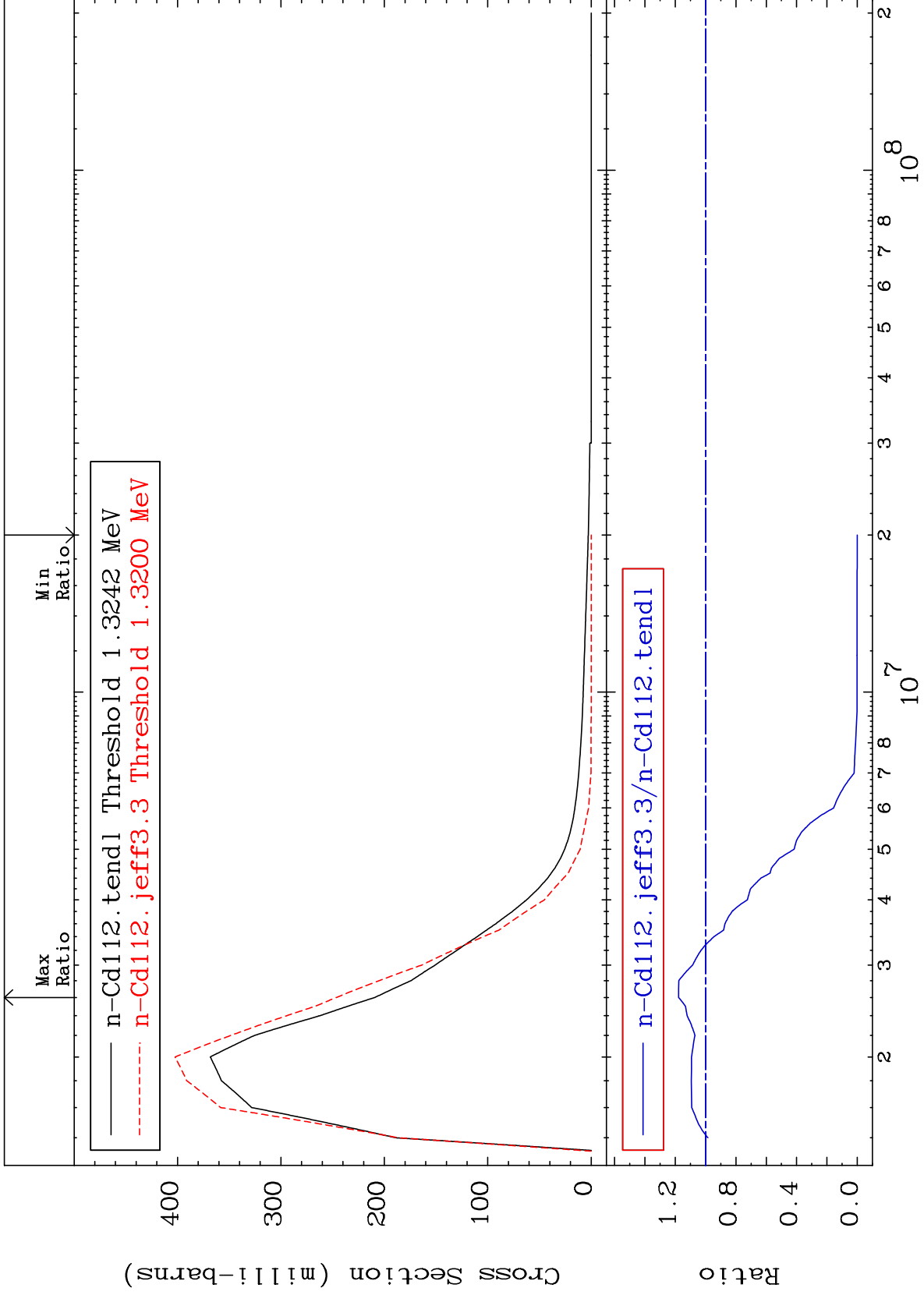
Incident Energy (eV)

48-Cd-112

MAT 4843

MT= 53 (n, n') Level
Cross Section

48-Cd-112
-100.0 To 17.79 %



12

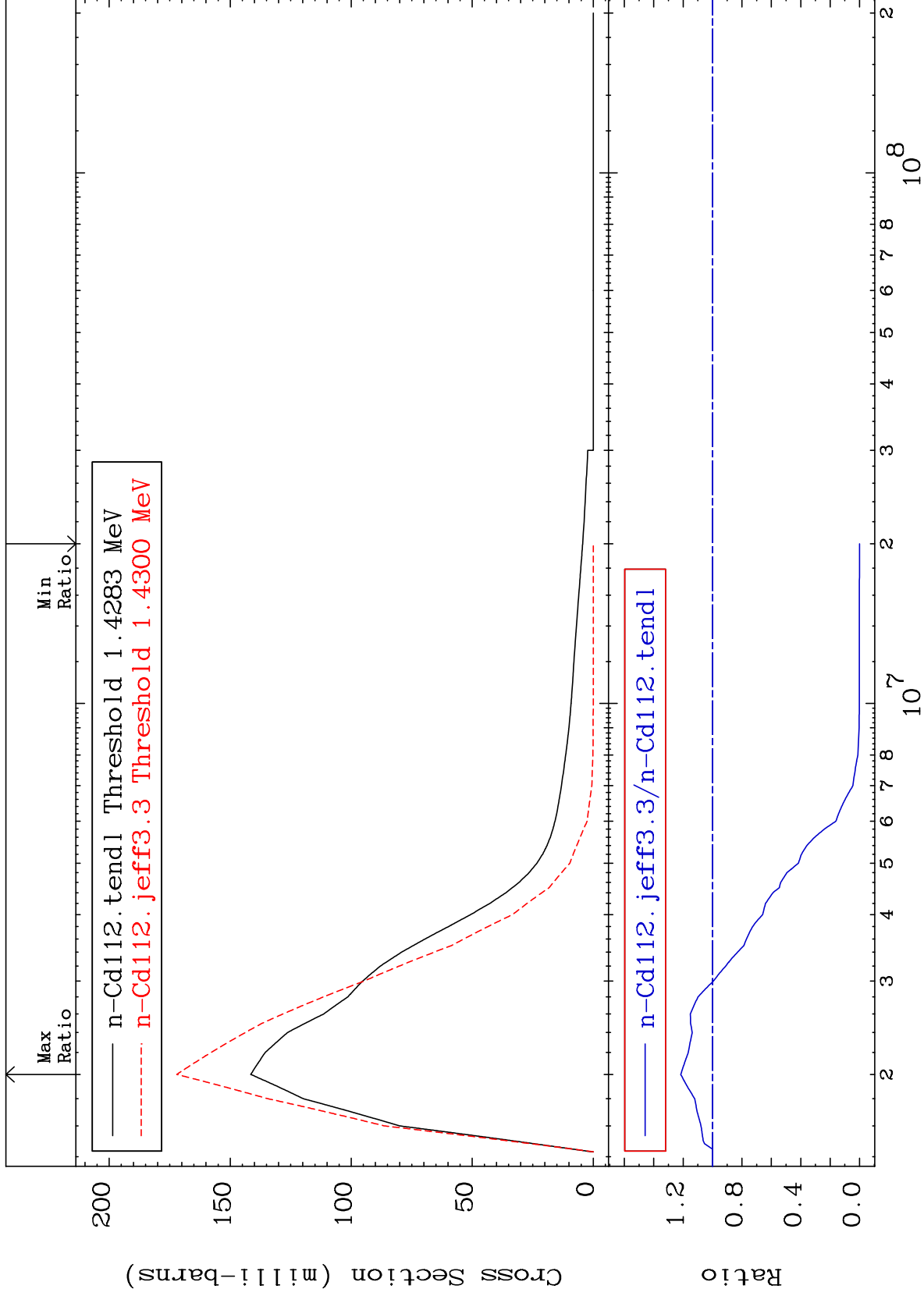
Incident Energy (eV)

48-Cd-112

MAT 4843

MT= 54 (n, n') Level
Cross Section

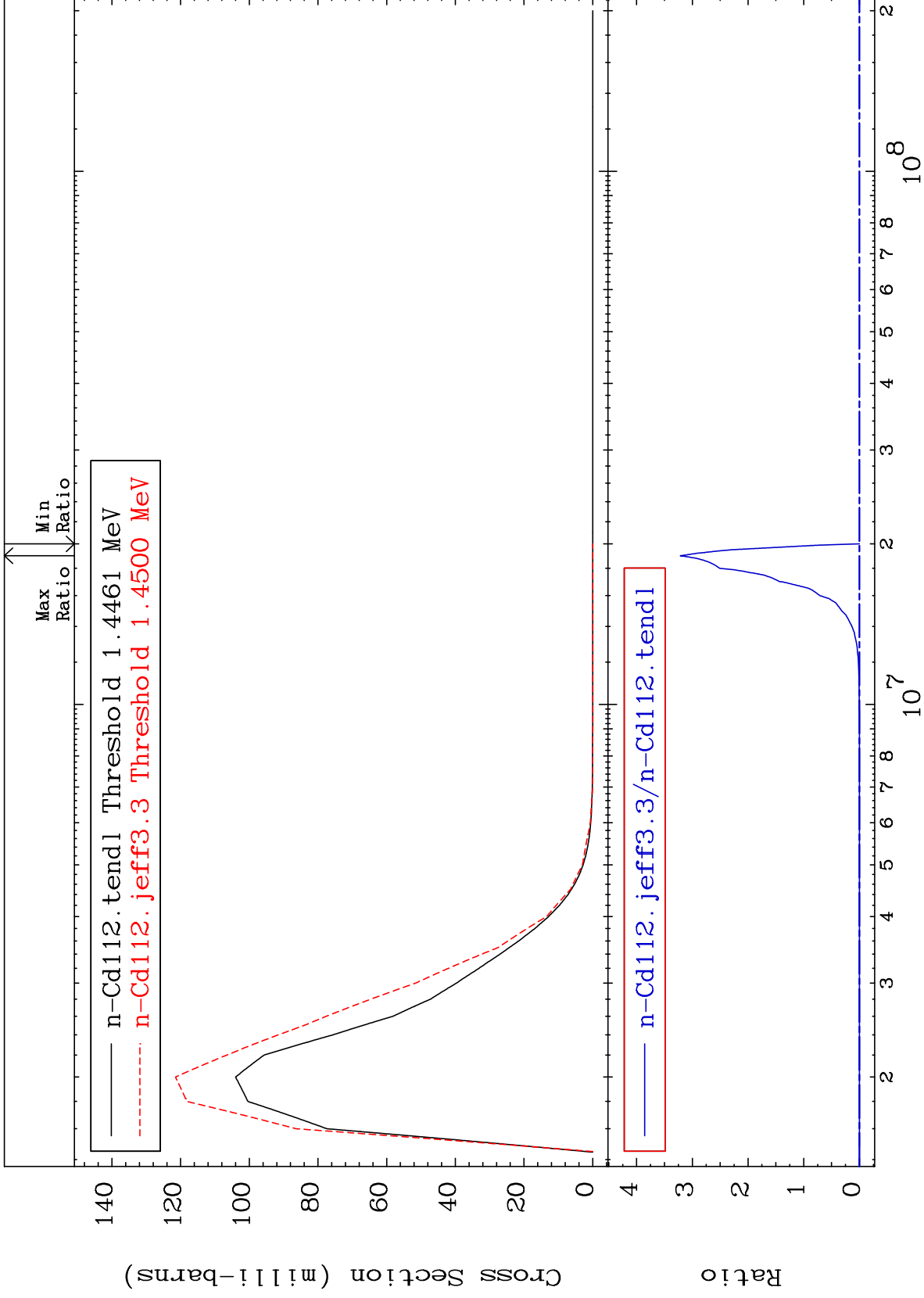
48-Cd-112
-100.0 To 21.62 %



MAT 4843

MT= 55 (n,n') Level
Cross Section

48-Cd-112
-100.0 To 9999. %



14

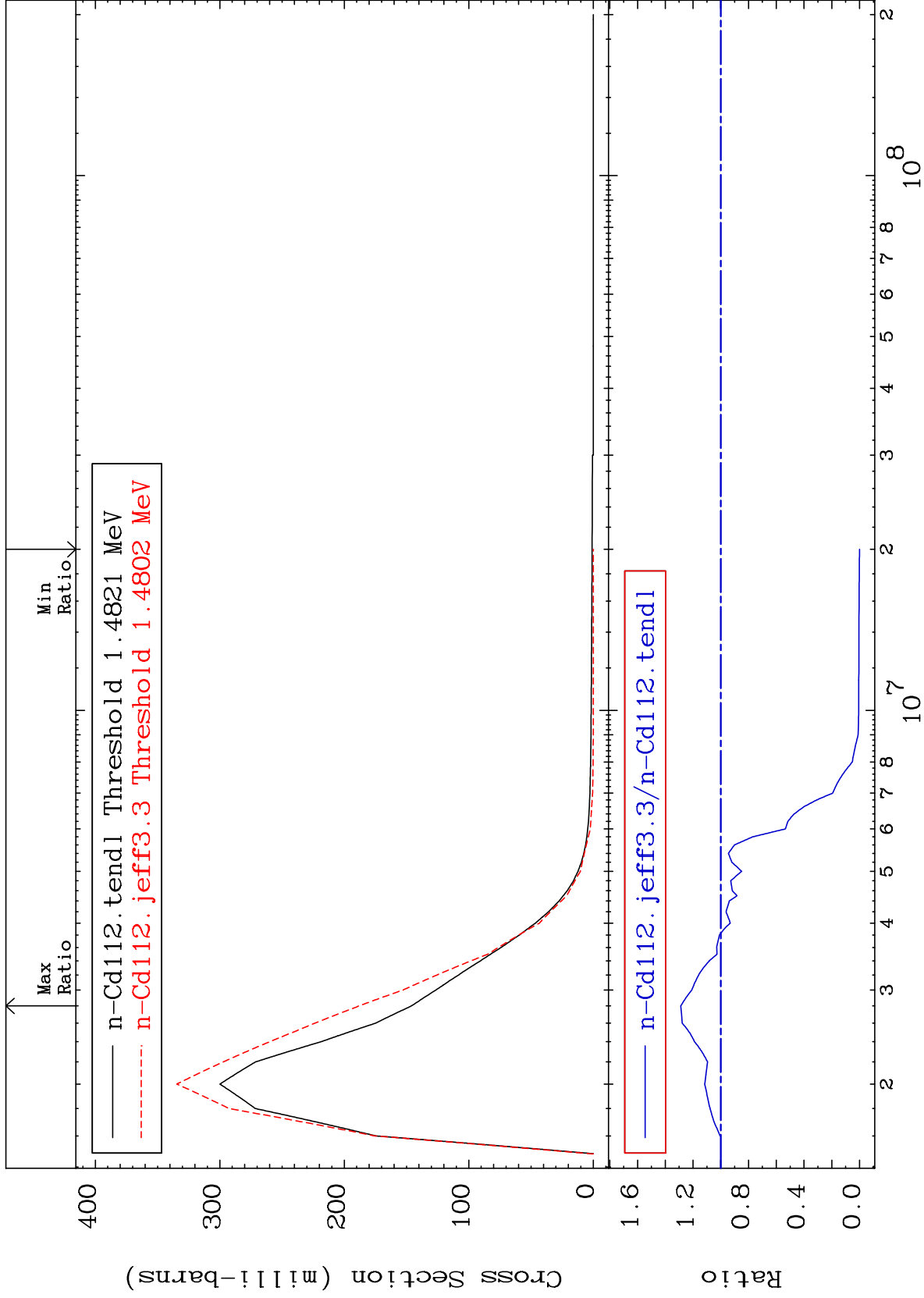
Incident Energy (eV)

48-Cd-112

MAT 4843

MT= 56 (n,n') Level
Cross Section

48-Cd-112
-100.0 To 28.84 %



15

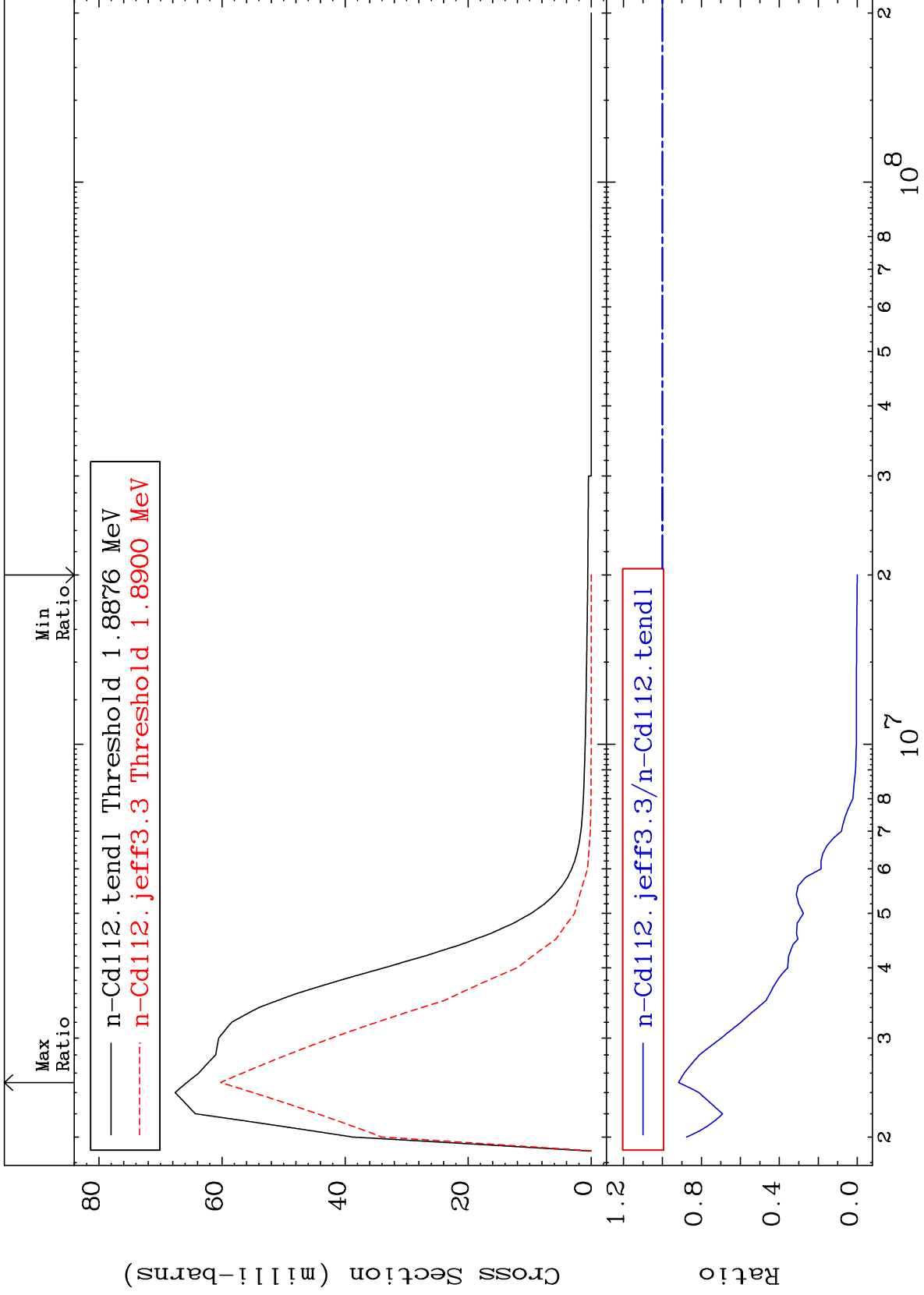
Incident Energy (eV)

48-Cd-112

MAT 4843

MT= 57 (n,n') Level
Cross Section

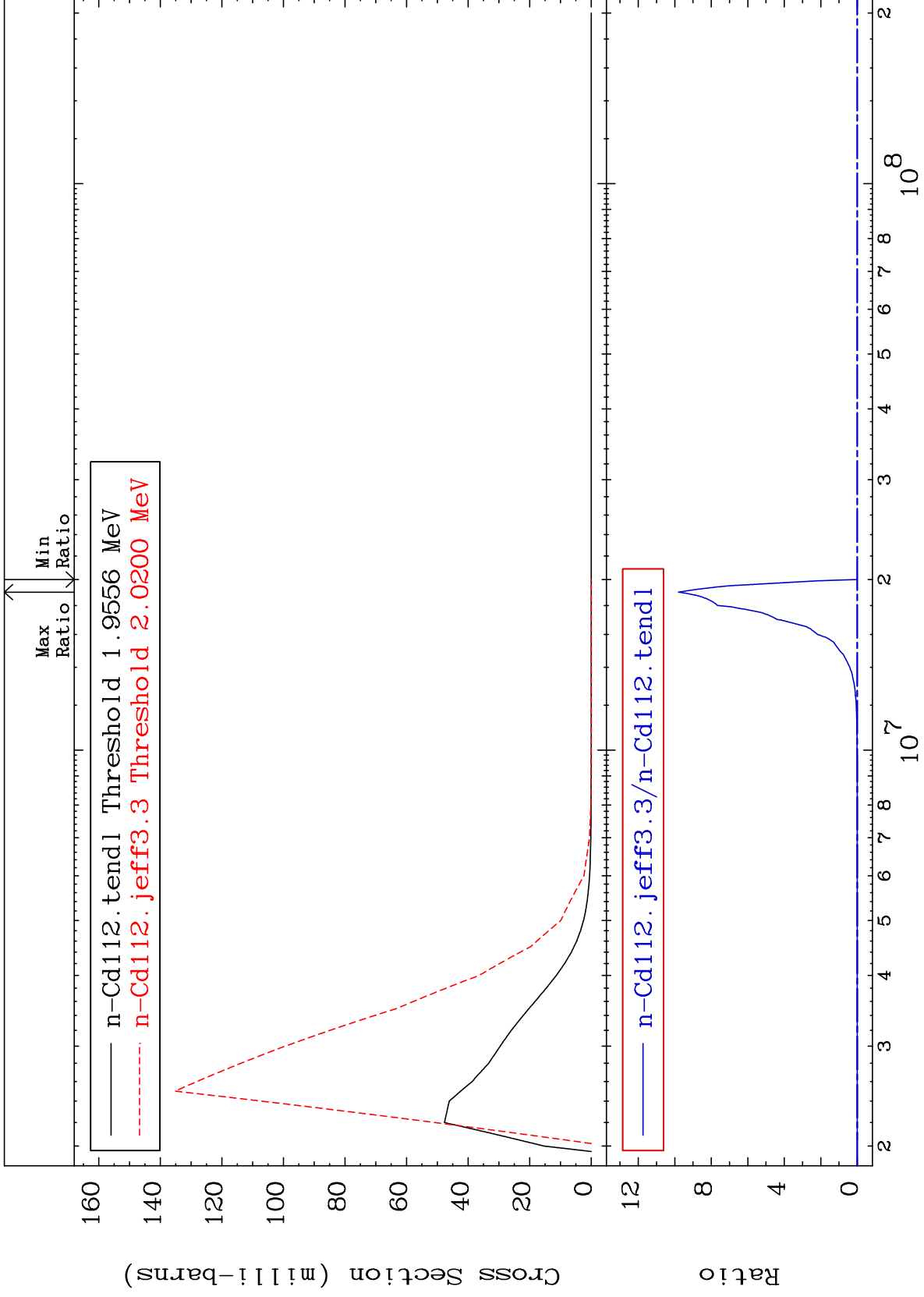
48-Cd-112
-100.0 To -8.323%



MAT 4843

MT= 58 (n, n') Level
Cross Section

48-Cd-112
-100.0 To 9999. %



17

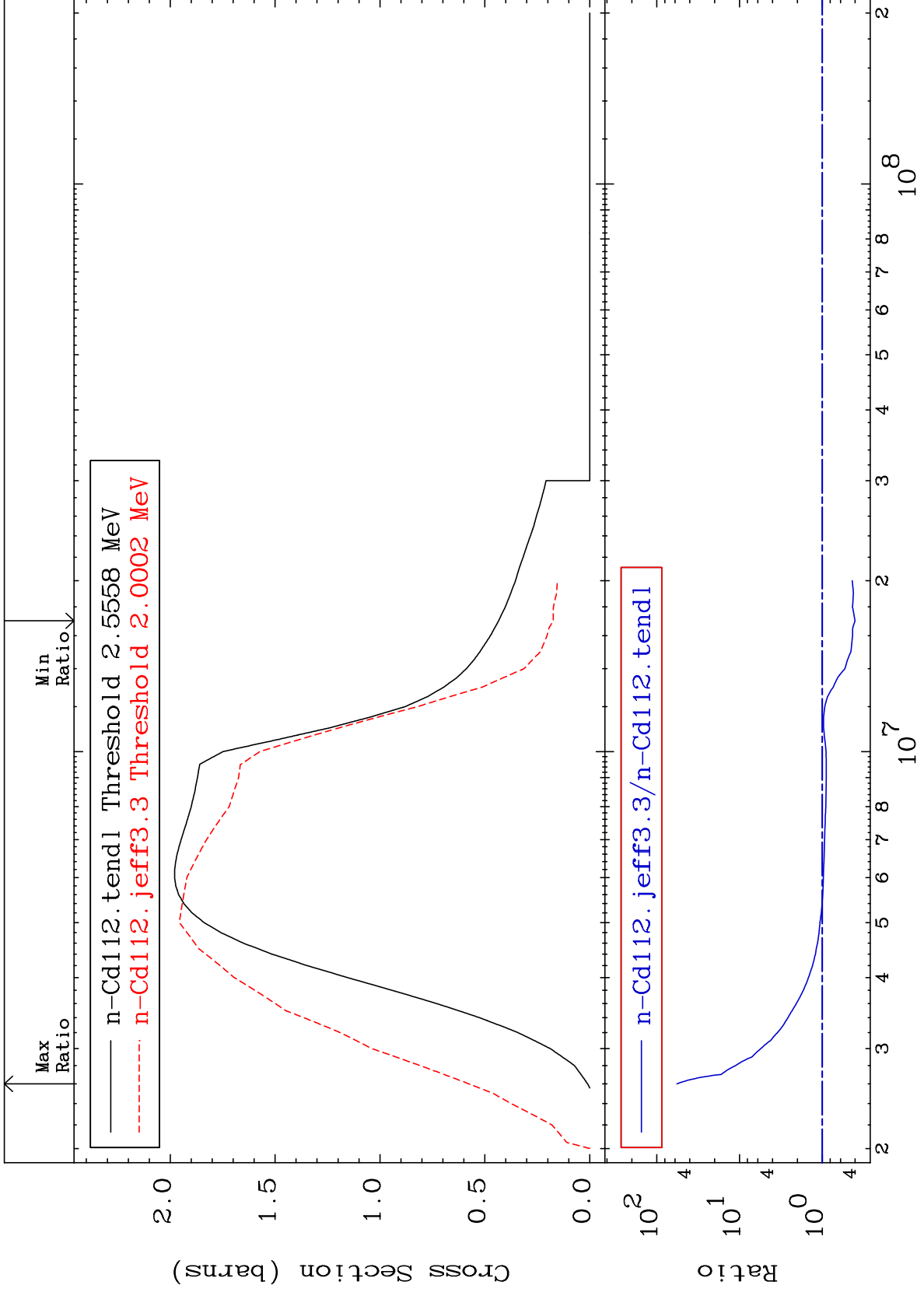
Incident Energy (eV)

48-Cd-112

MAT 4843

(n, n') Continuum
Cross Section

48-Cd-112
-59.93 To 5604. %



18

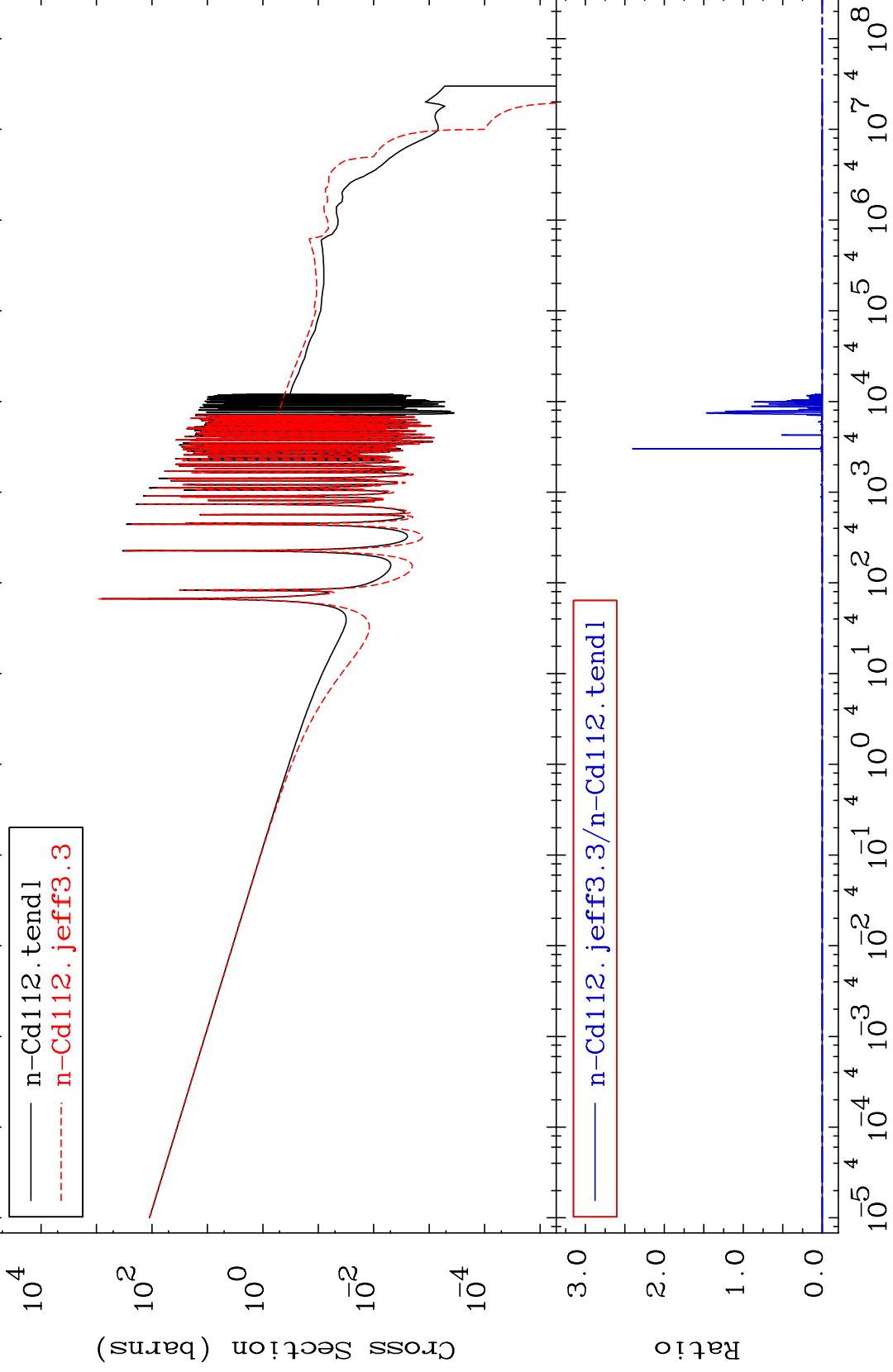
Incident Energy (eV)

48-Cd-112

MAT 4843

(n, γ)
Cross Section

48-Cd-112
-100.0 To 9999. %



19

Incident Energy (eV)

48-Cd-112

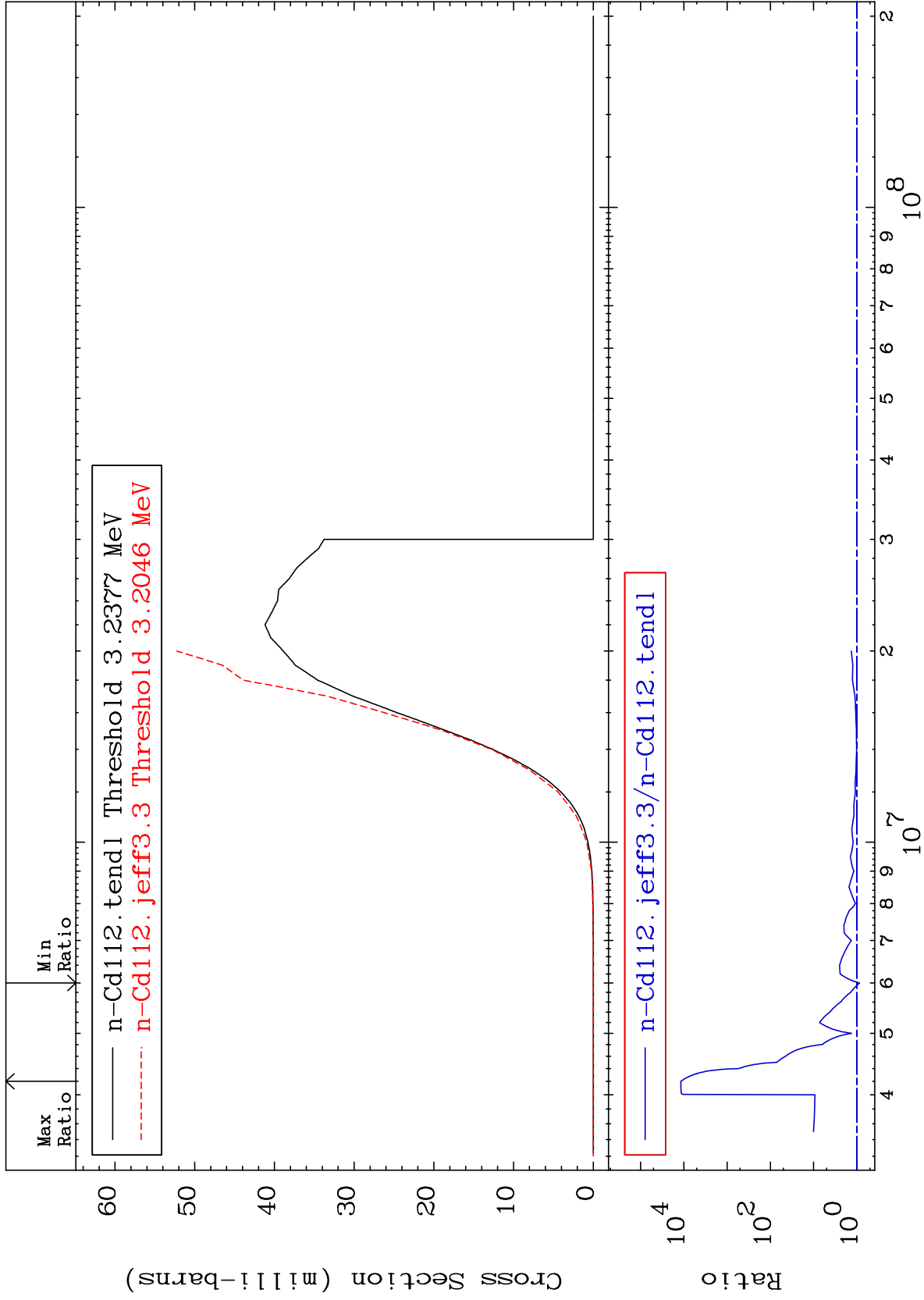
MAT 4843

(n,p)

48-Cd-112

Cross Section

-13.06 To 9999. %



20

48-Cd-112

48-Cd-112

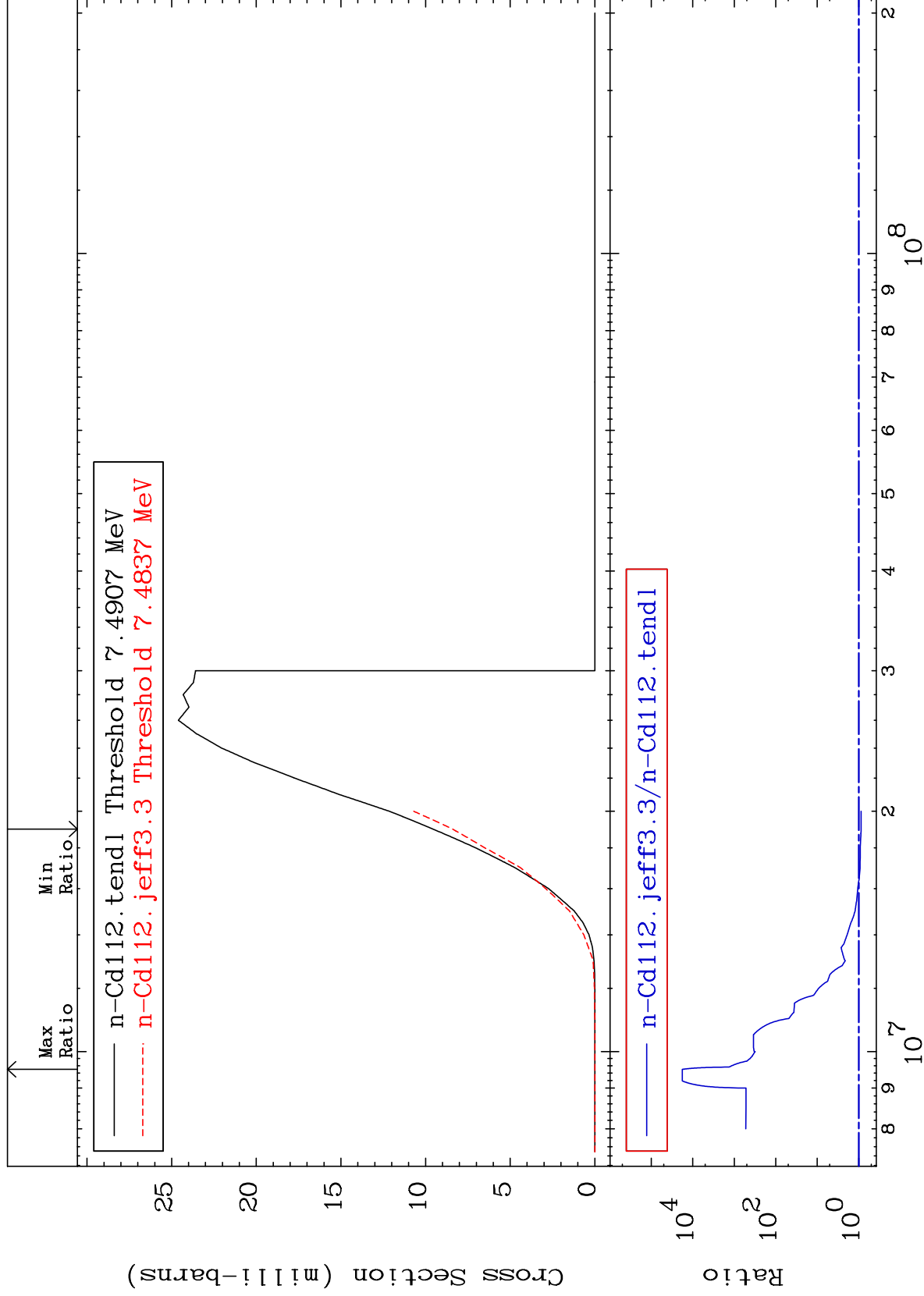
MAT 4843

(n, d)

48-Cd-112

Cross Section

-12.14 To 9999. %



21

Incident Energy (eV)

48-Cd-112

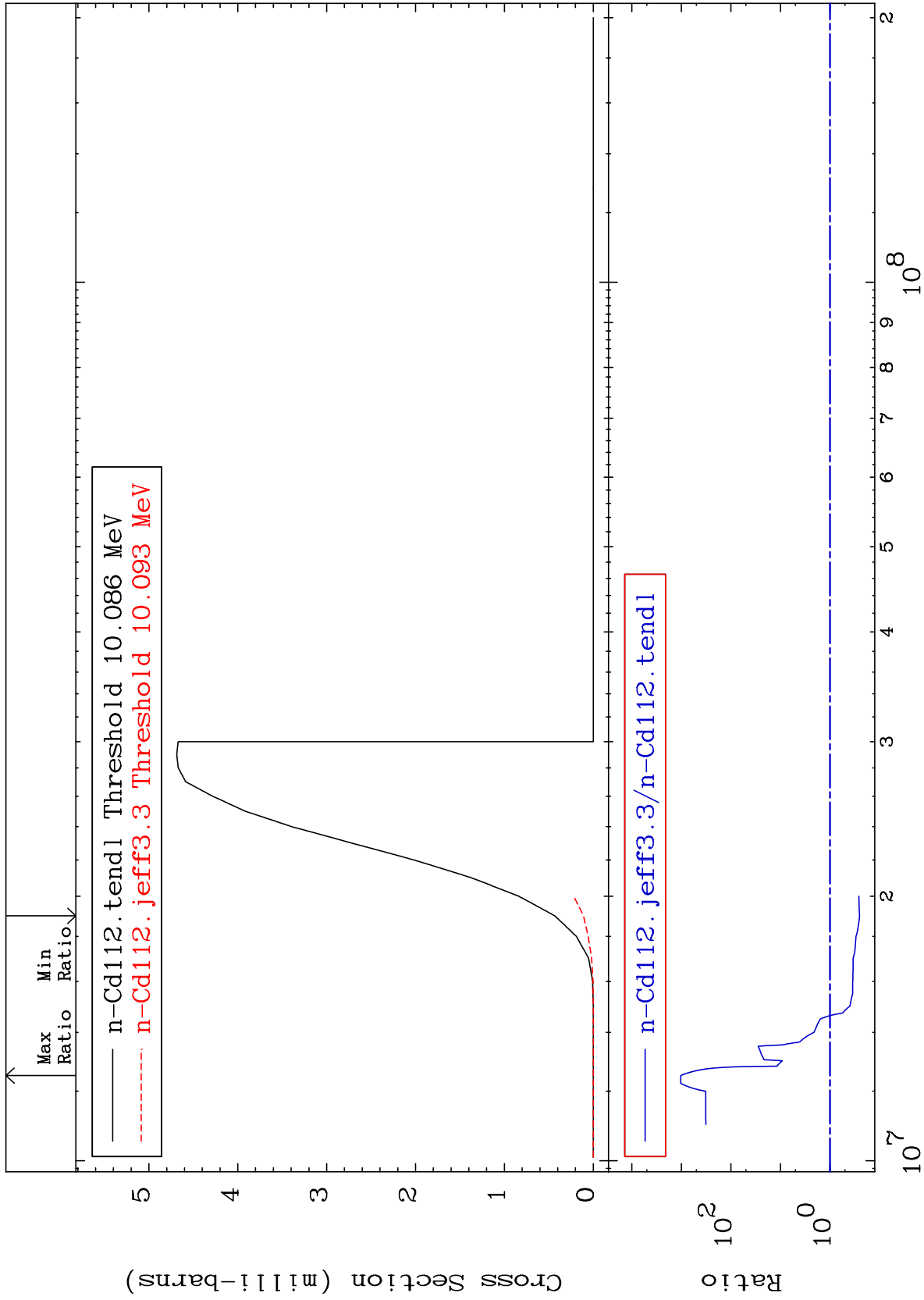
MAT 4843

(n, t)

48-Cd-112

Cross Section

-74.61 To 9999. %



48-Cd-112

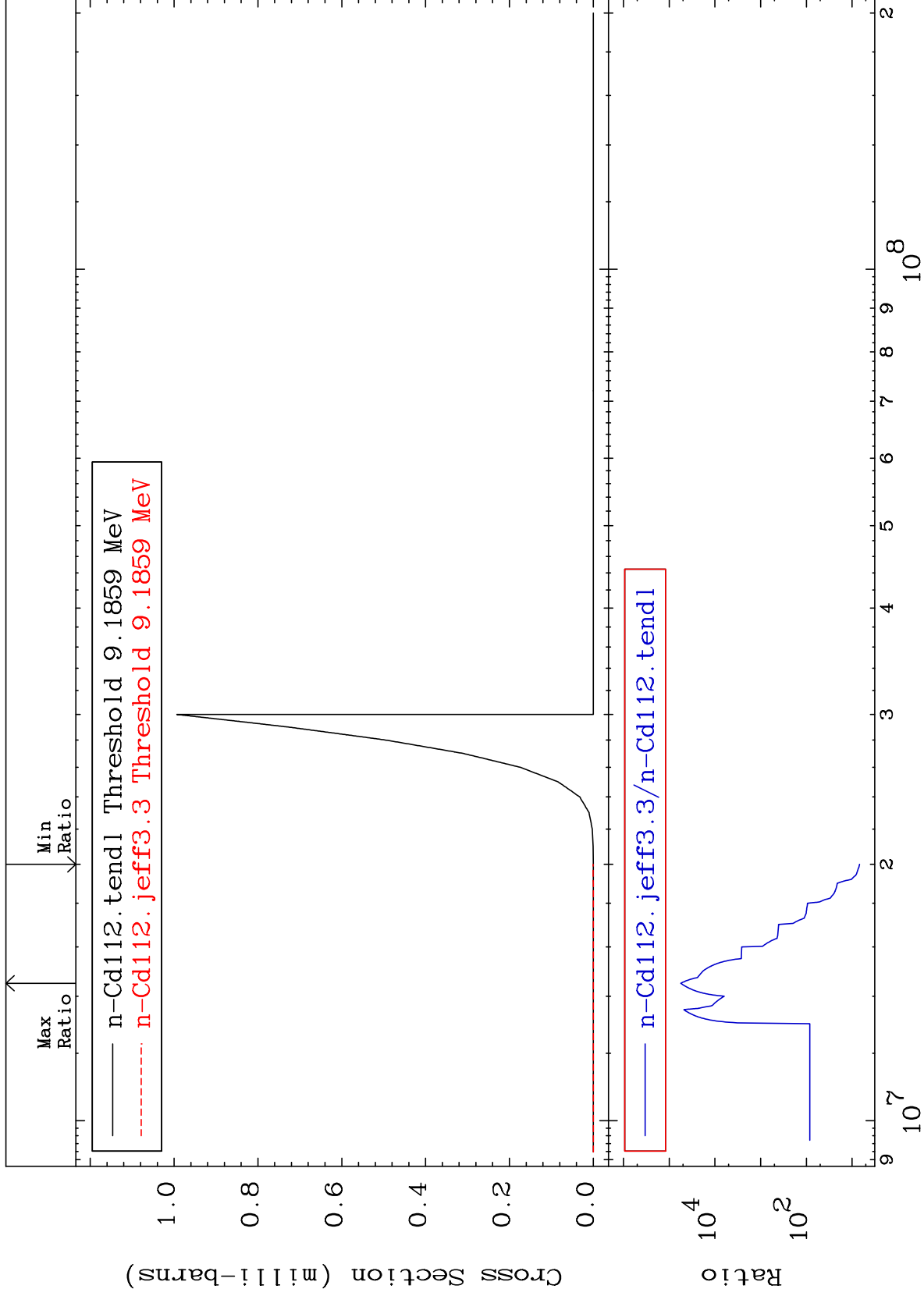
MAT 4843

(n,He-3)

48-Cd-112

Cross Section

587.6 To 9999. %



23

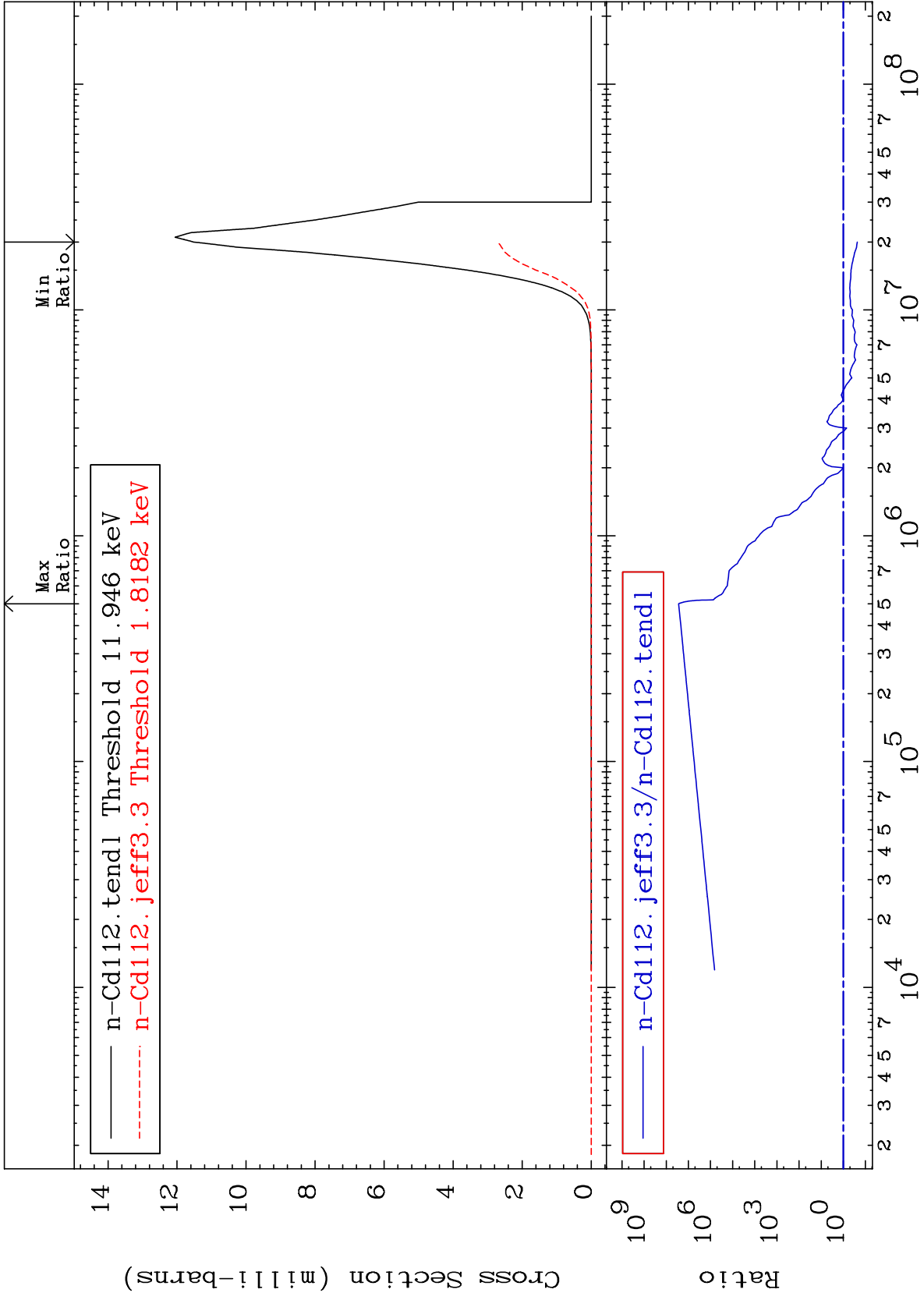
48-Cd-112

48-Cd-112

MAT 4843

(n, α)
Cross Section

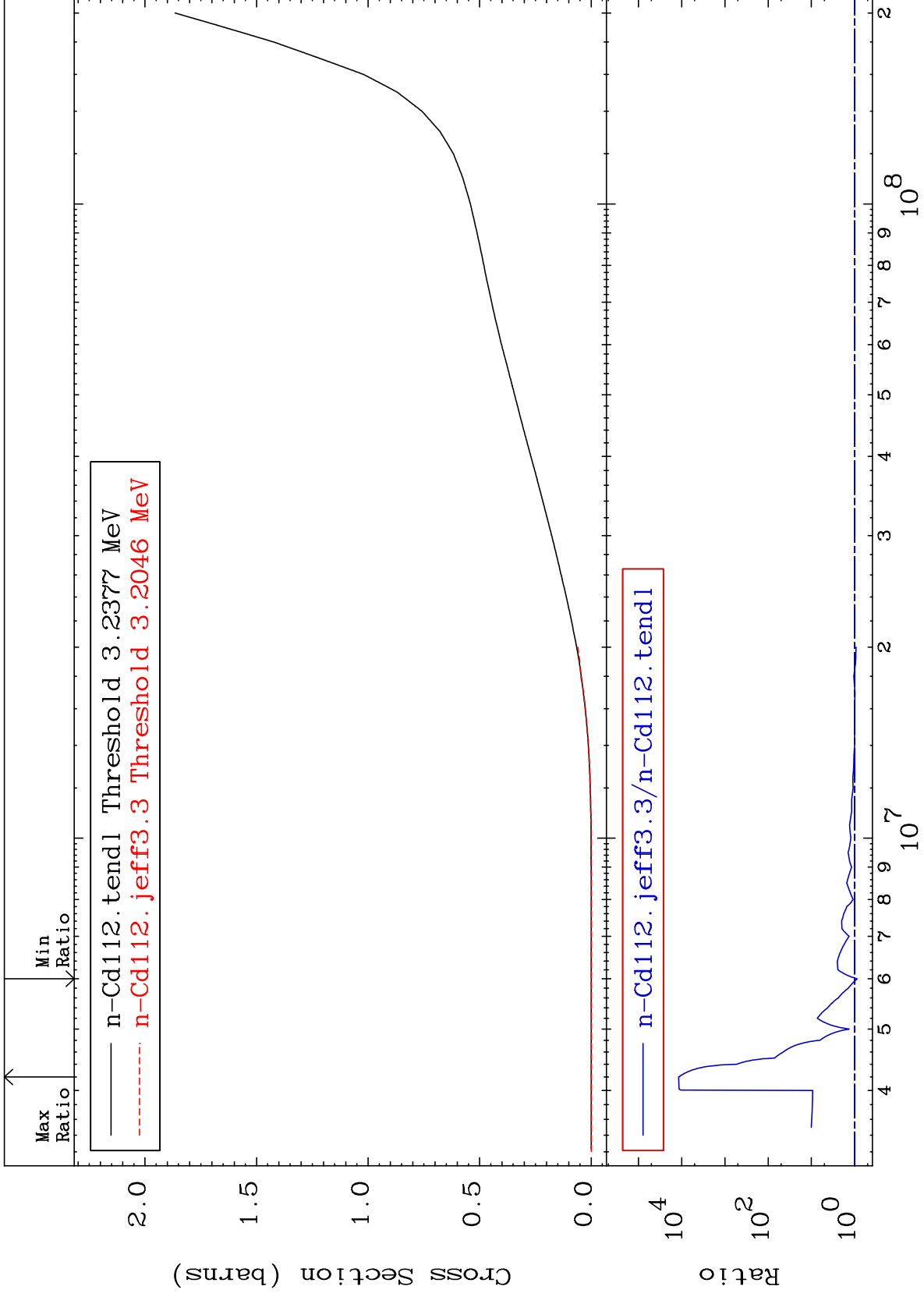
48-Cd-112
-76.57 To 9999. %



MAT 4843

Hydrogen Production
Cross Section

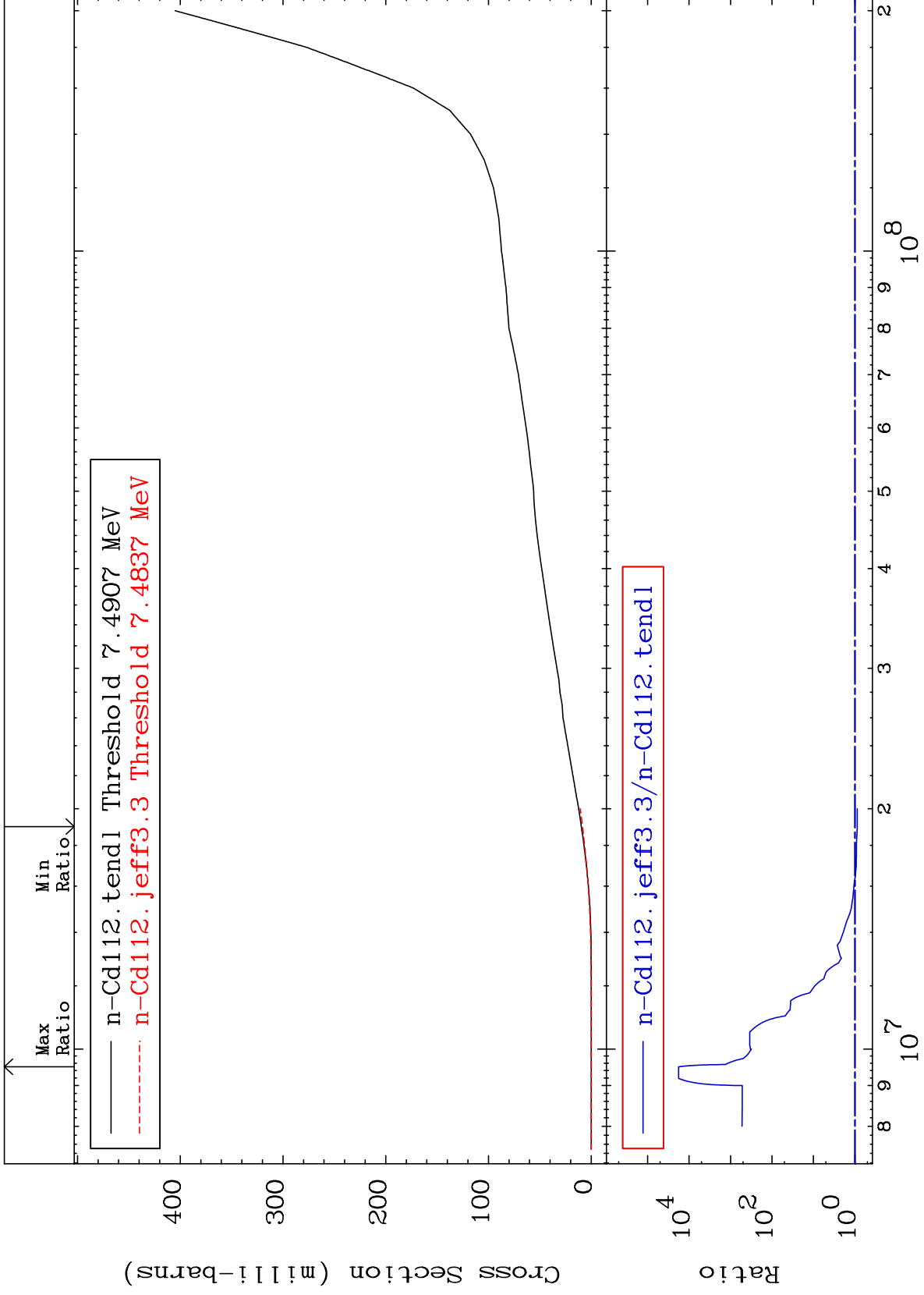
48-Cd-112
-13.06 To 9999. %



MAT 4843

Deuterium Production
Cross Section

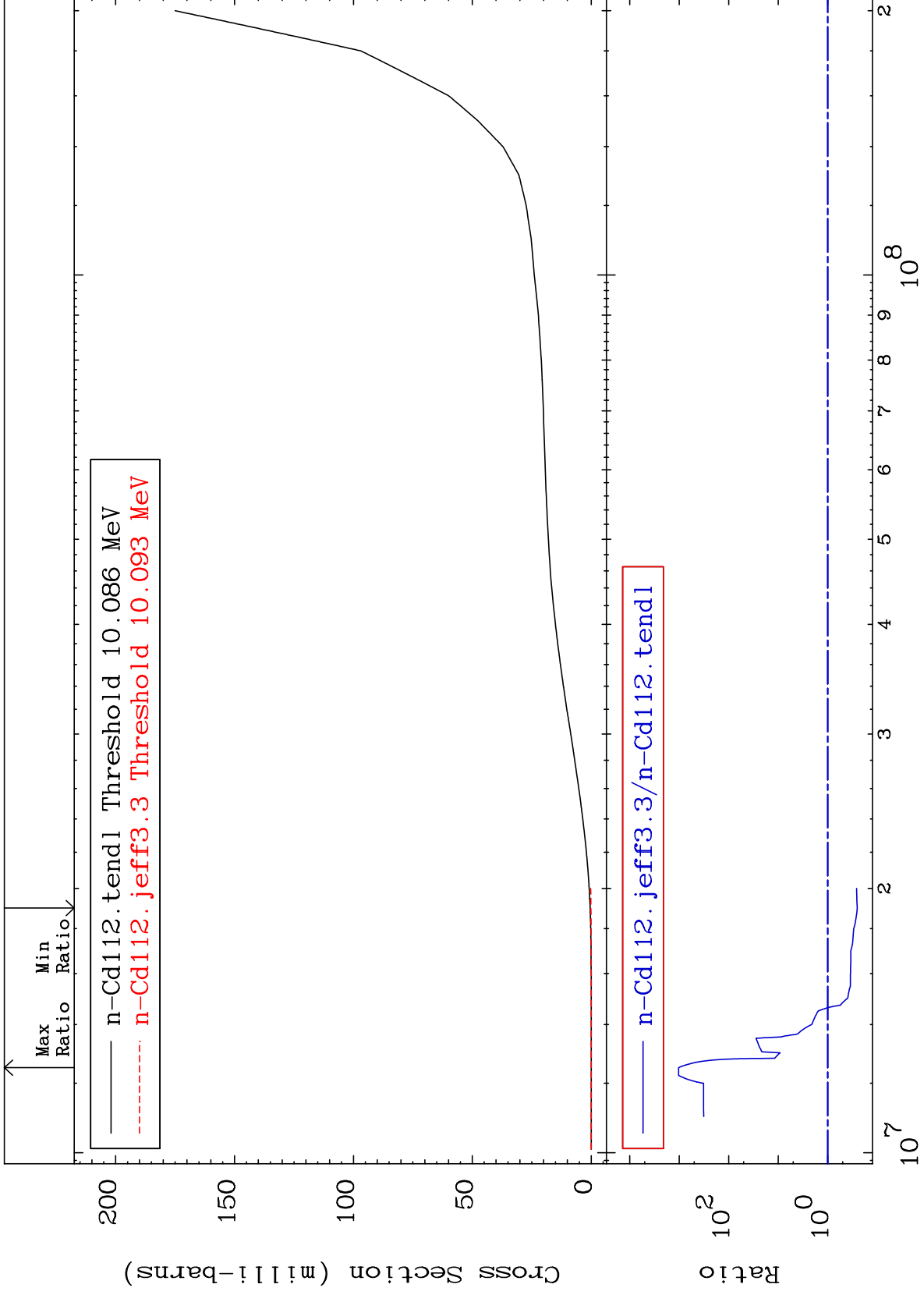
48-Cd-112
-12.14 To 9999. %



MAT 4843

Tritium Production
Cross Section

48-Cd-112
-74.61 To 9999. %



27

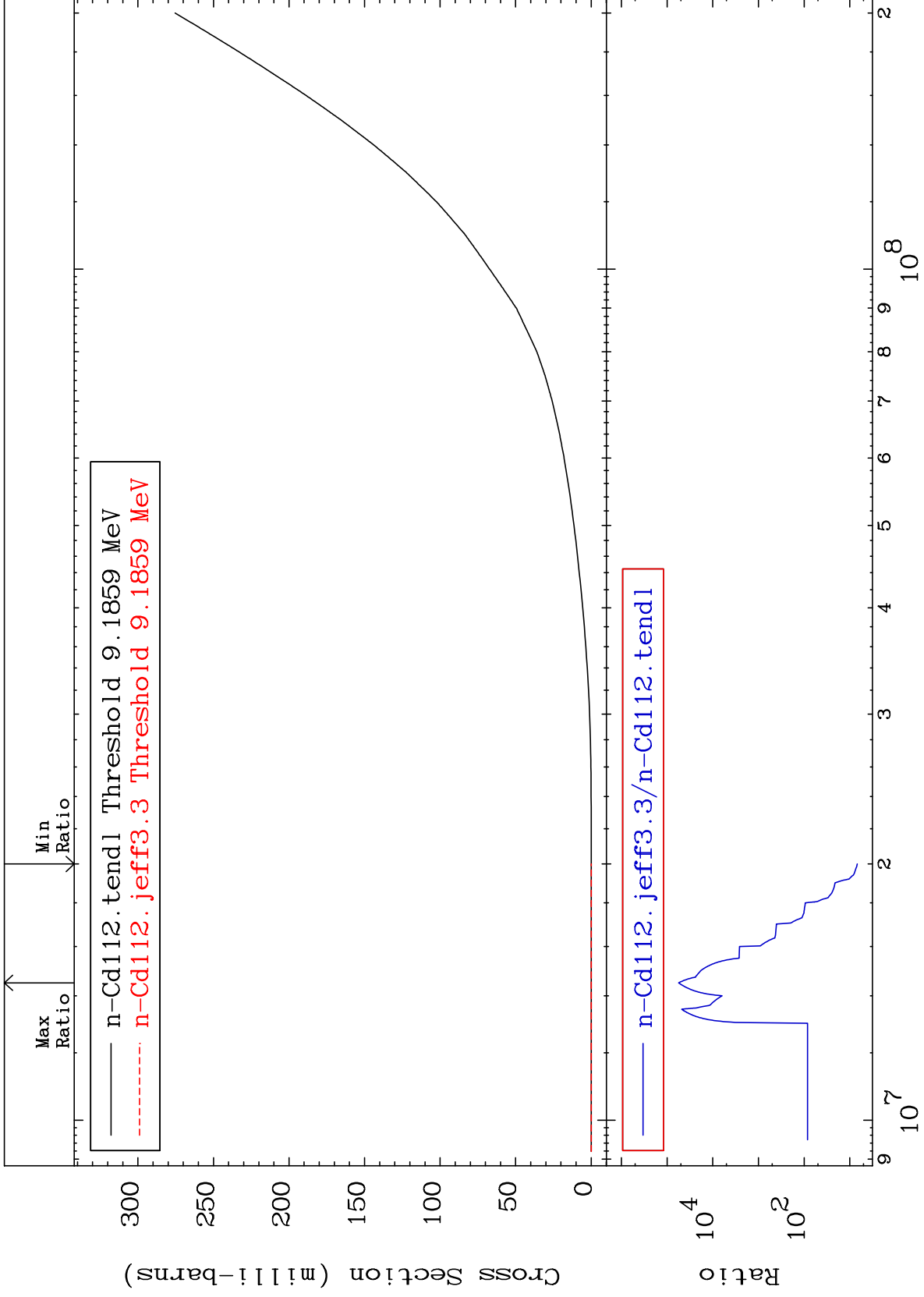
Incident Energy (eV)

48-Cd-112

MAT 4843

He-3 Production
Cross Section

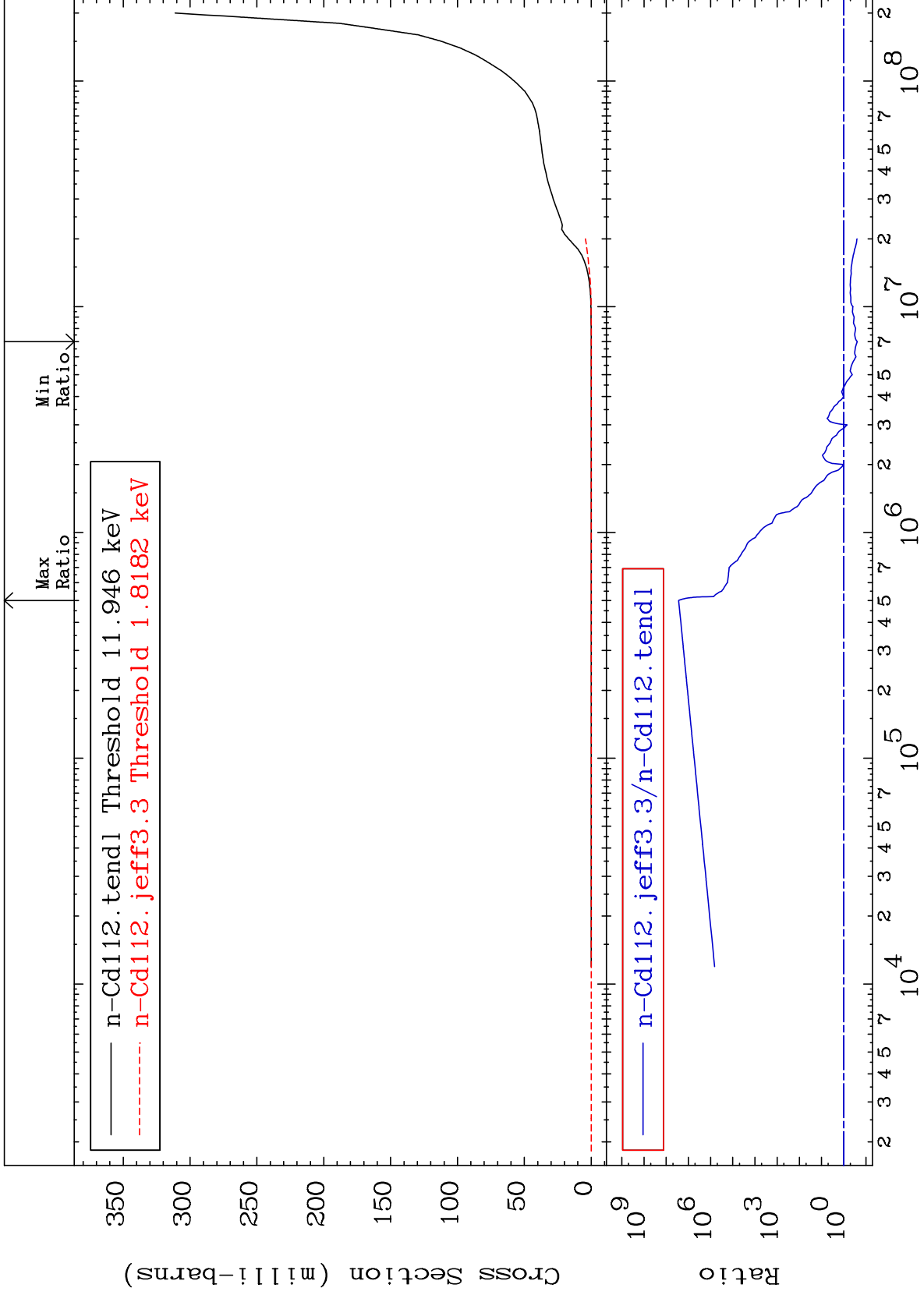
48-Cd-112
587.6 To 9999. %



28

Incident Energy (eV)

48-Cd-112



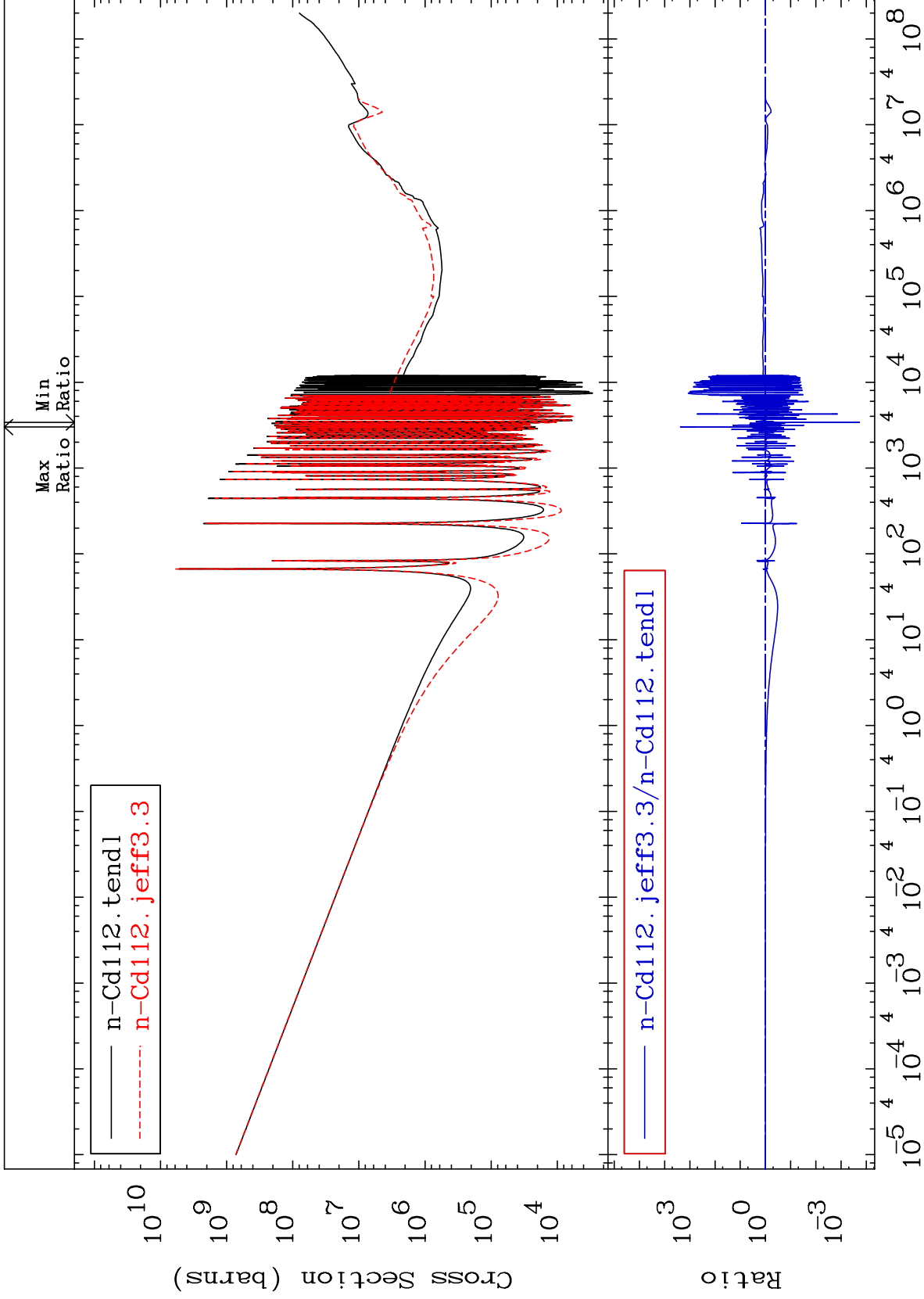
MAT 4843

Kerma total (eV-barns)

48-Cd-112

Cross Section

-99.98 To 9999. %



30

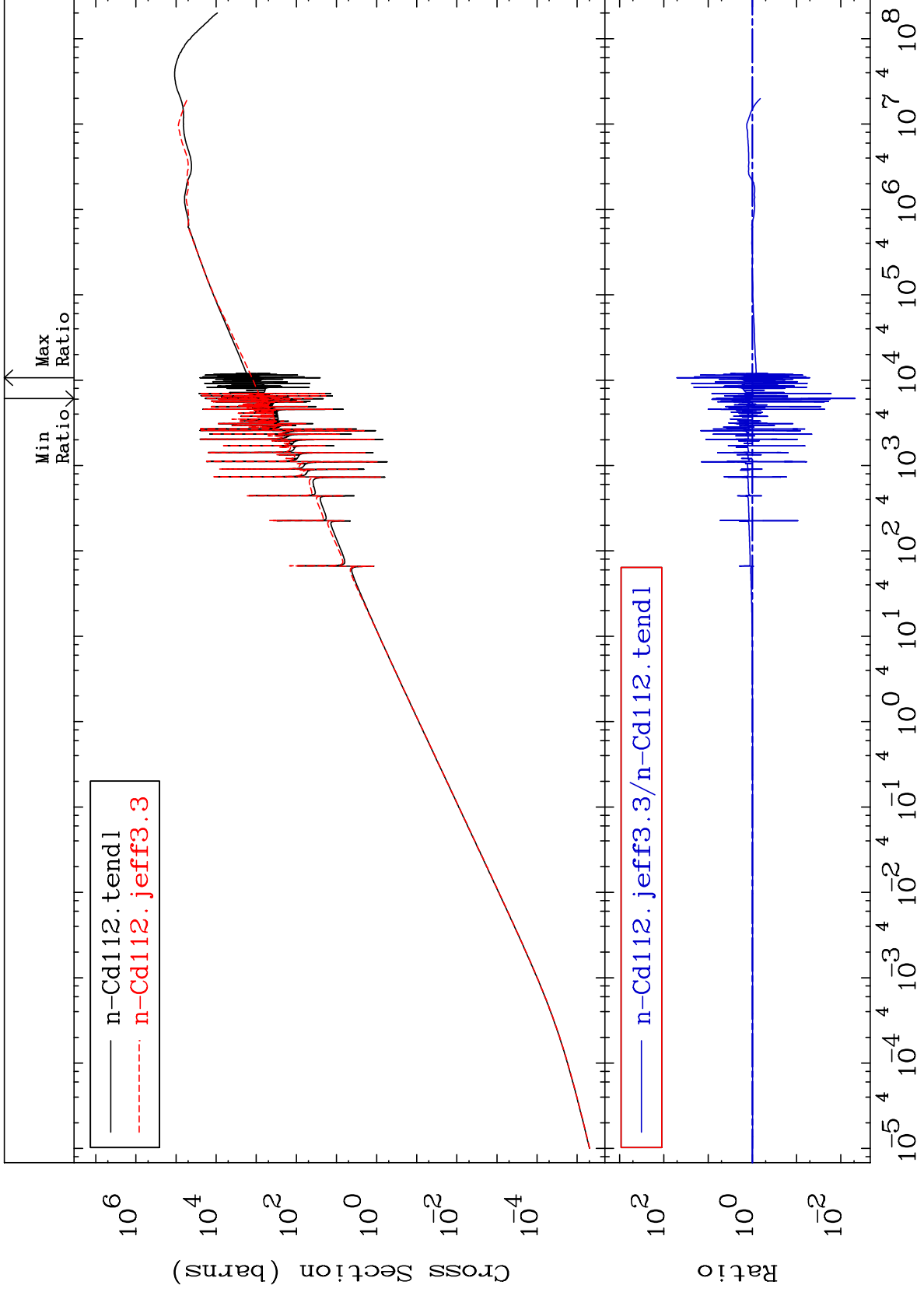
Incident Energy (eV)

48-Cd-112

MAT 4843

Kerma elastic
Cross Section

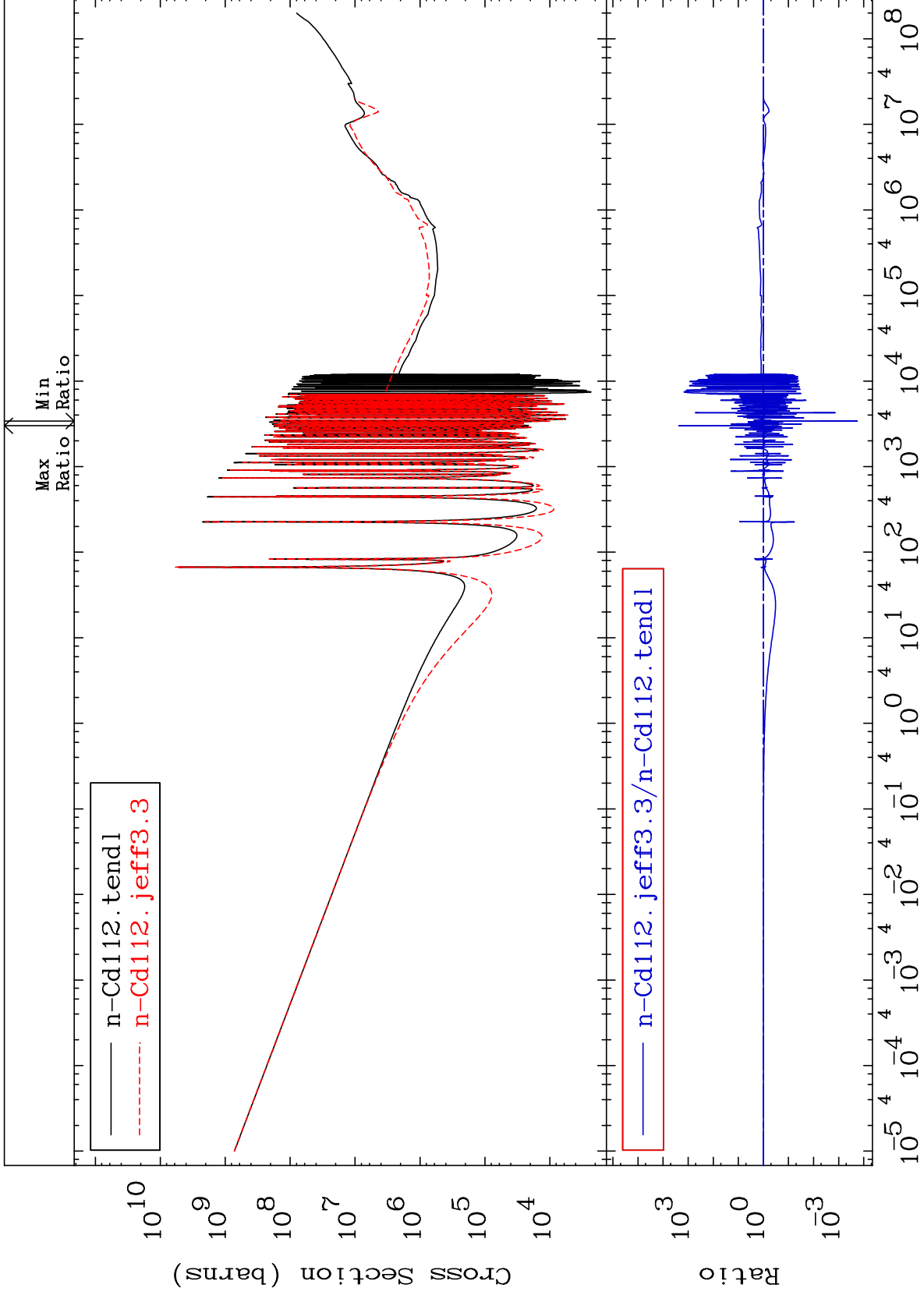
48-Cd-112
-99.52 To 4969. %



MAT 4843

Kerma non-elastic (all but mt2)
Cross Section

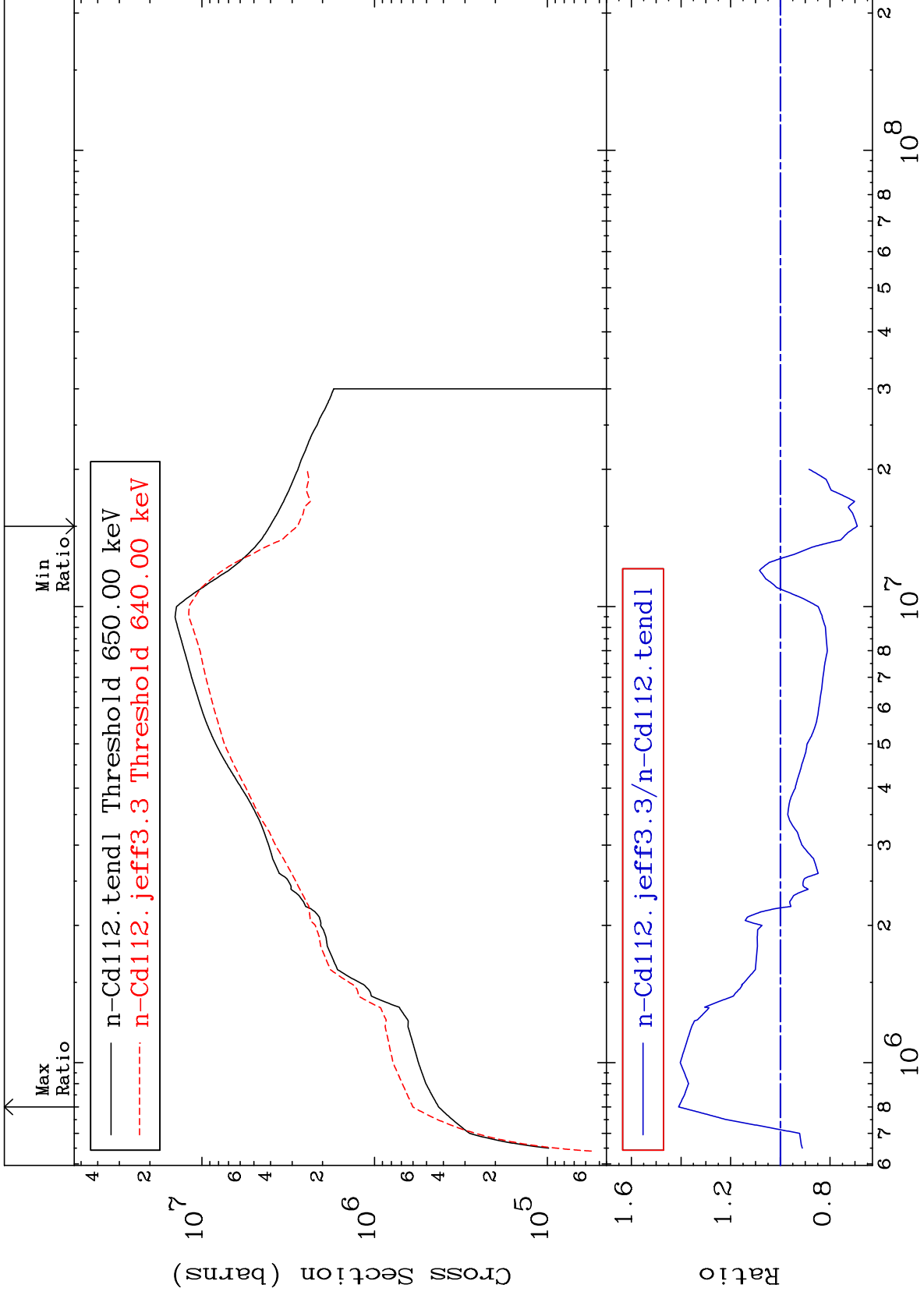
48-Cd-112
-99.98 To 9999. %



MAT 4843

Kerma inelastic (mt51-91)
Cross Section

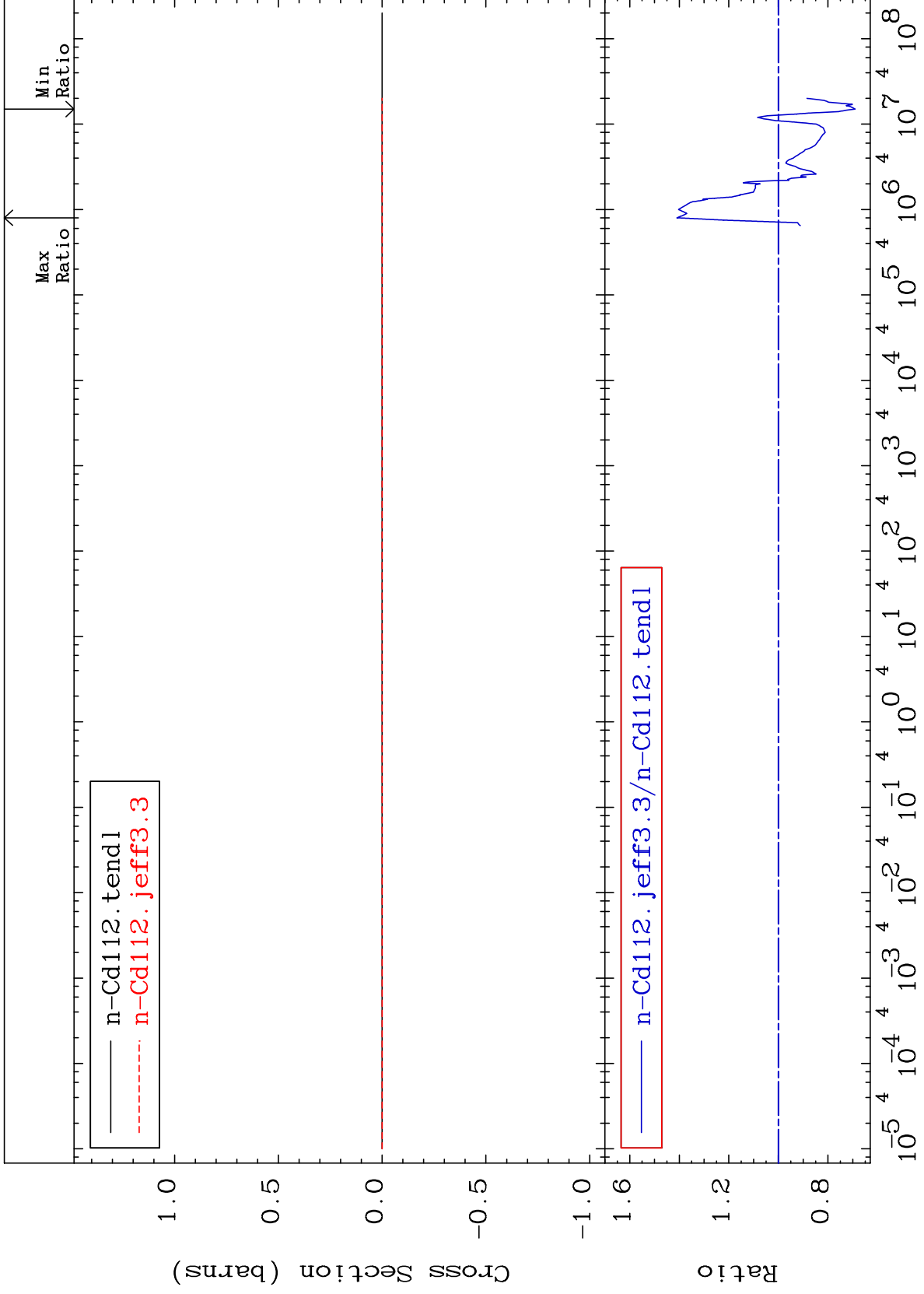
48-Cd-112
-30.93 To 40.95 %



MAT 4843

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

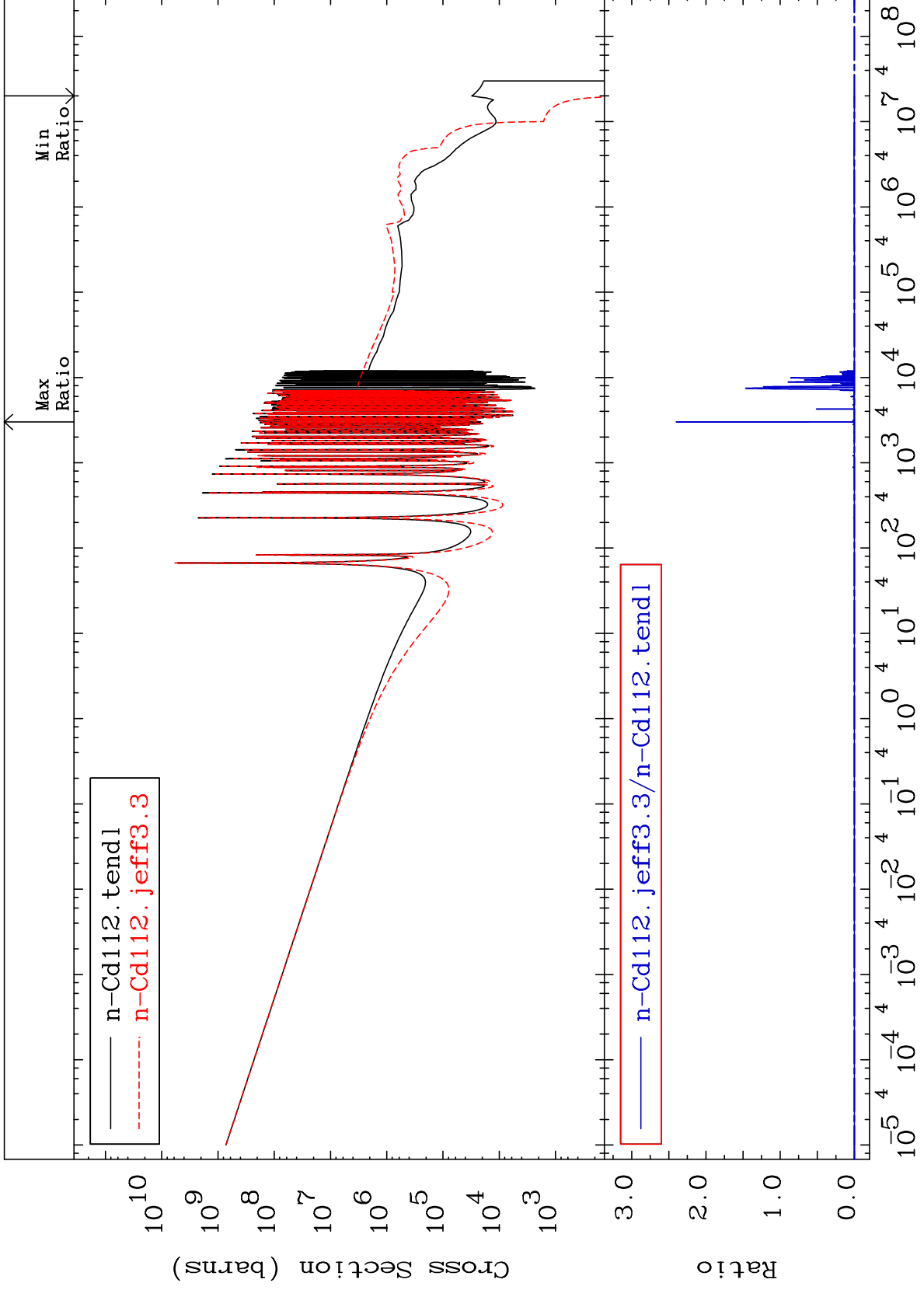
48-Cd-112
-30.93 To 40.95 %



MAT 4843

Kerma capture (mt102)
Cross Section

48-Cd-112
-100.0 To 9999. %



35

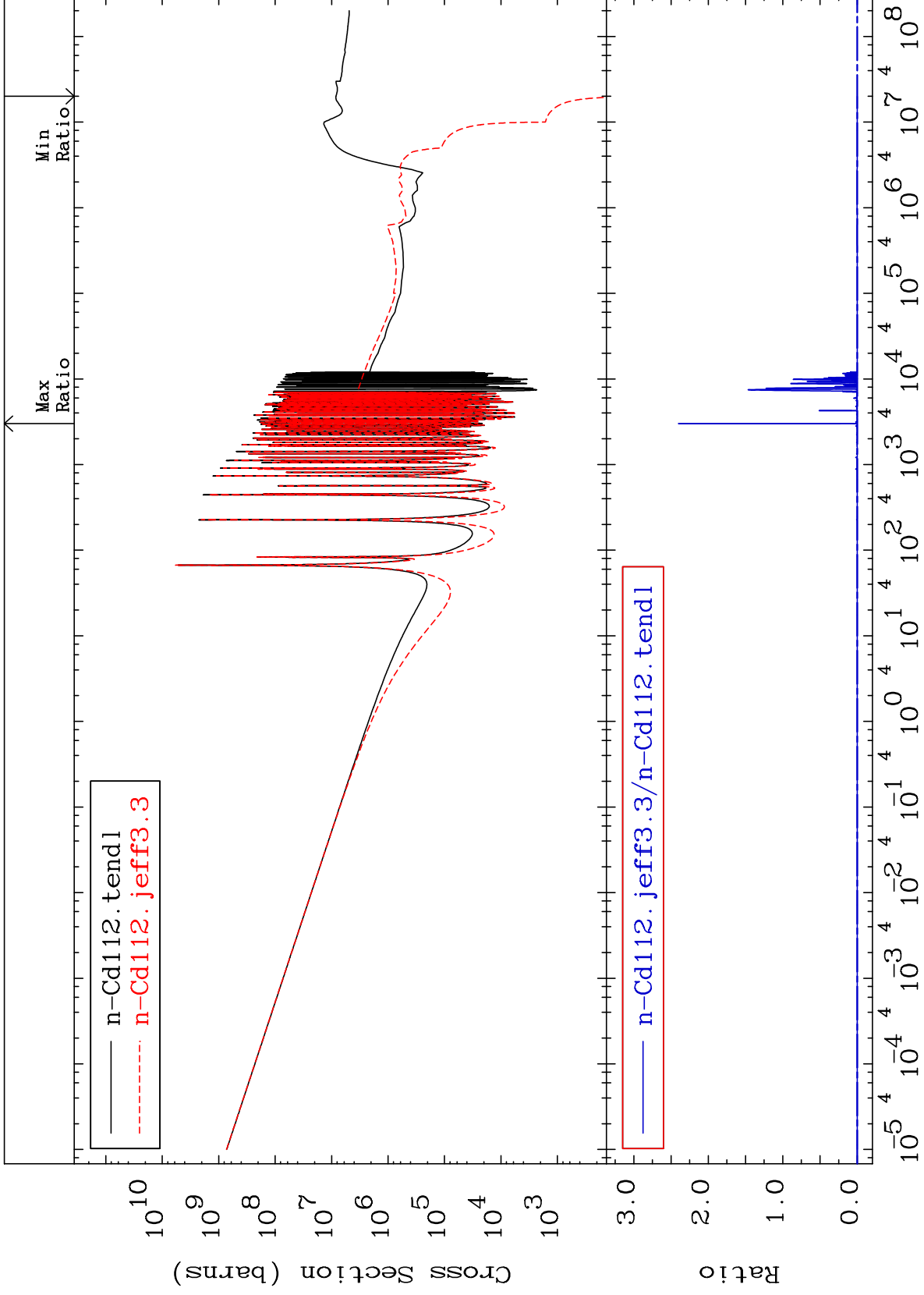
Incident Energy (eV)

48-Cd-112

MAT 4843

Total photon (eV-barns)
Cross Section

48-Cd-112
-100.0 To 9999. %



36

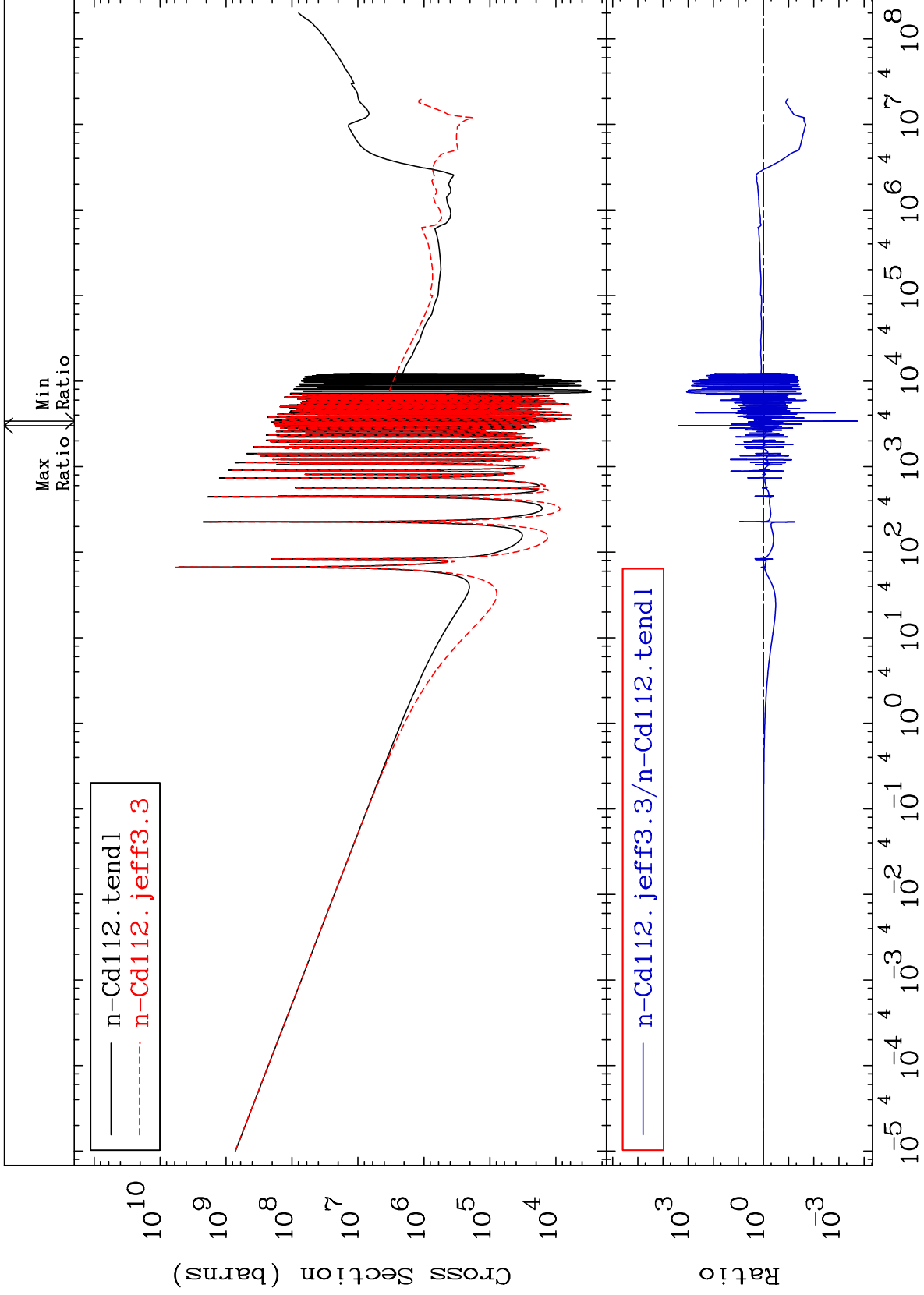
Incident Energy (eV)

48-Cd-112

MAT 4843

Total kinematic kerma (high limit)
Cross Section

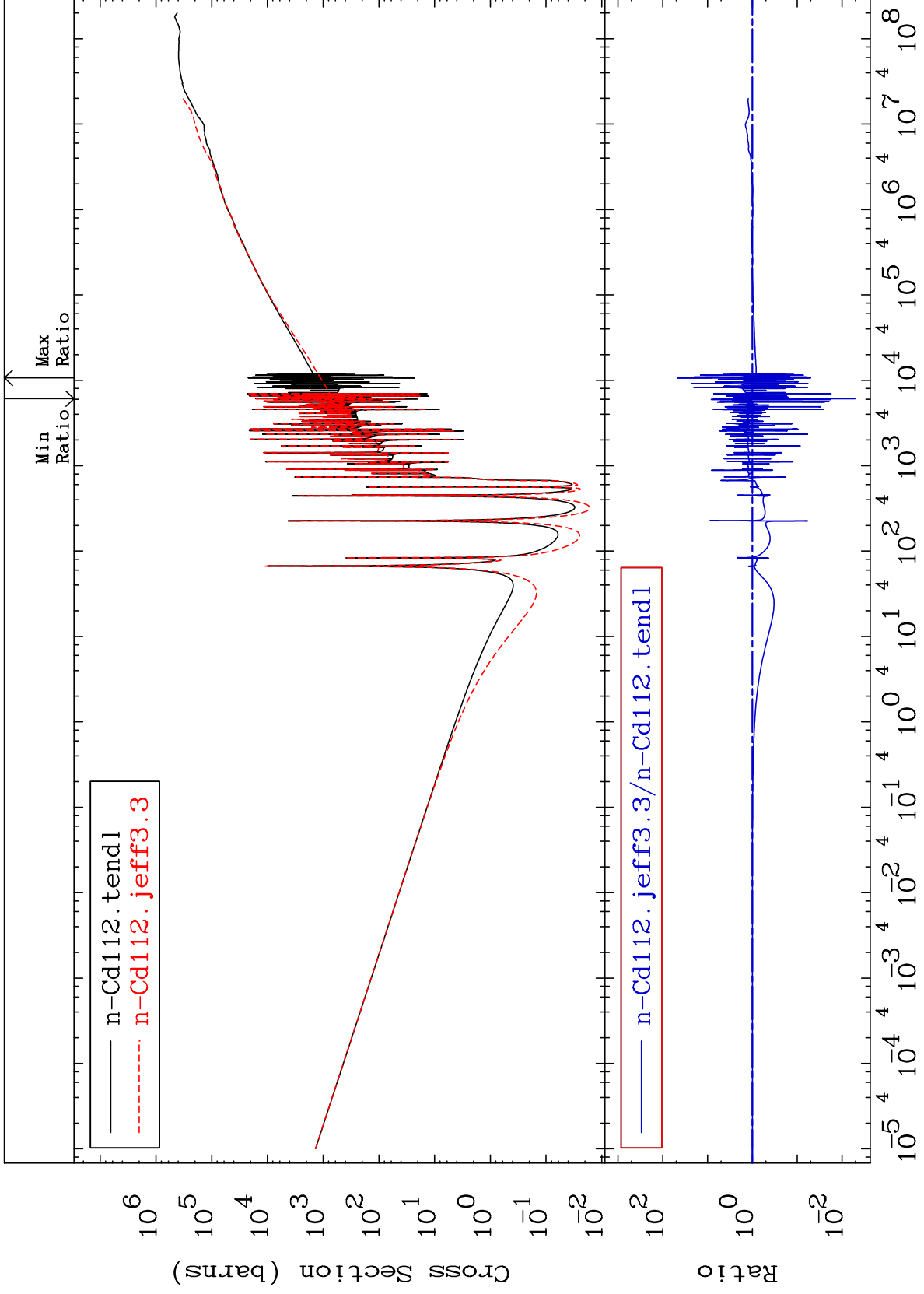
48-Cd-112
-99.98 To 9999. %



MAT 4843

Dpa total (eV-barns)
Cross Section

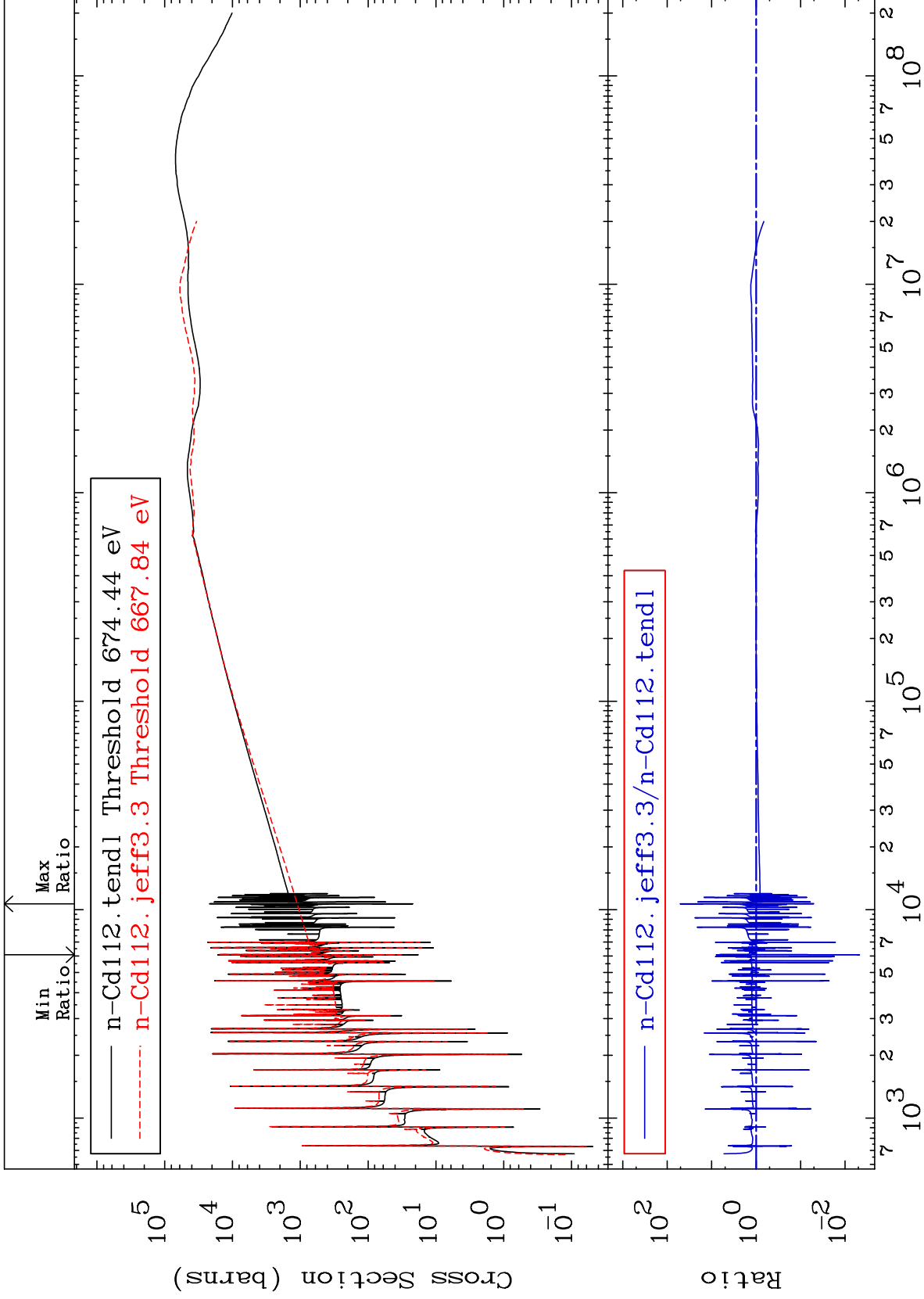
48-Cd-112
-99.49 To 4739. %



MAT 4843

Dpa elastic (mt2)
Cross Section

48-Cd-112
-99.52 To 4965. %



39

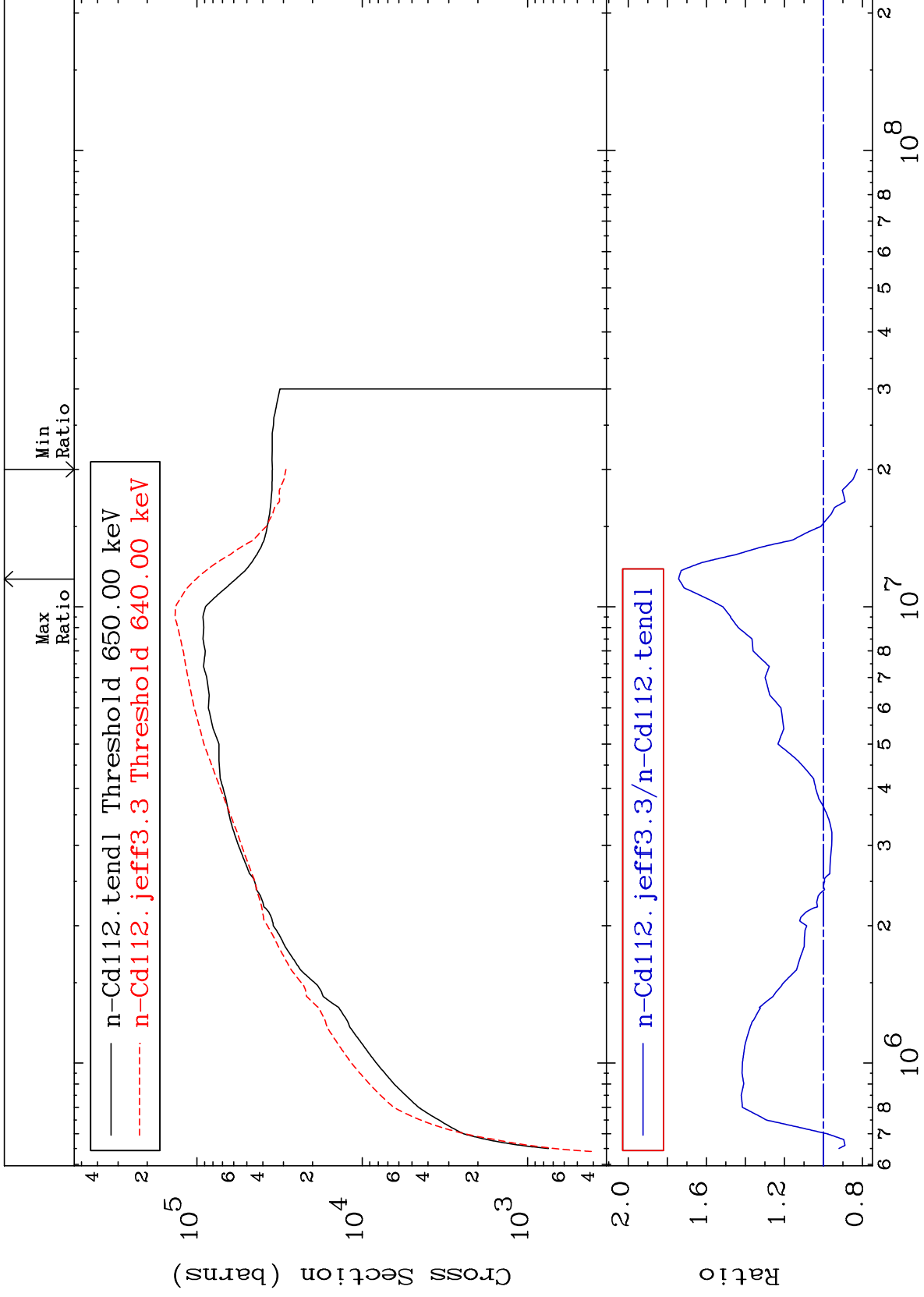
Incident Energy (eV)

48-Cd-112

MAT 4843

Dpa inelastic (mt51-91)
Cross Section

48-Cd-112
-17.32 To 74.20 %



40

Incident Energy (eV)

48-Cd-112

MAT 4843

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-112
-99.98 To 9999. %

