

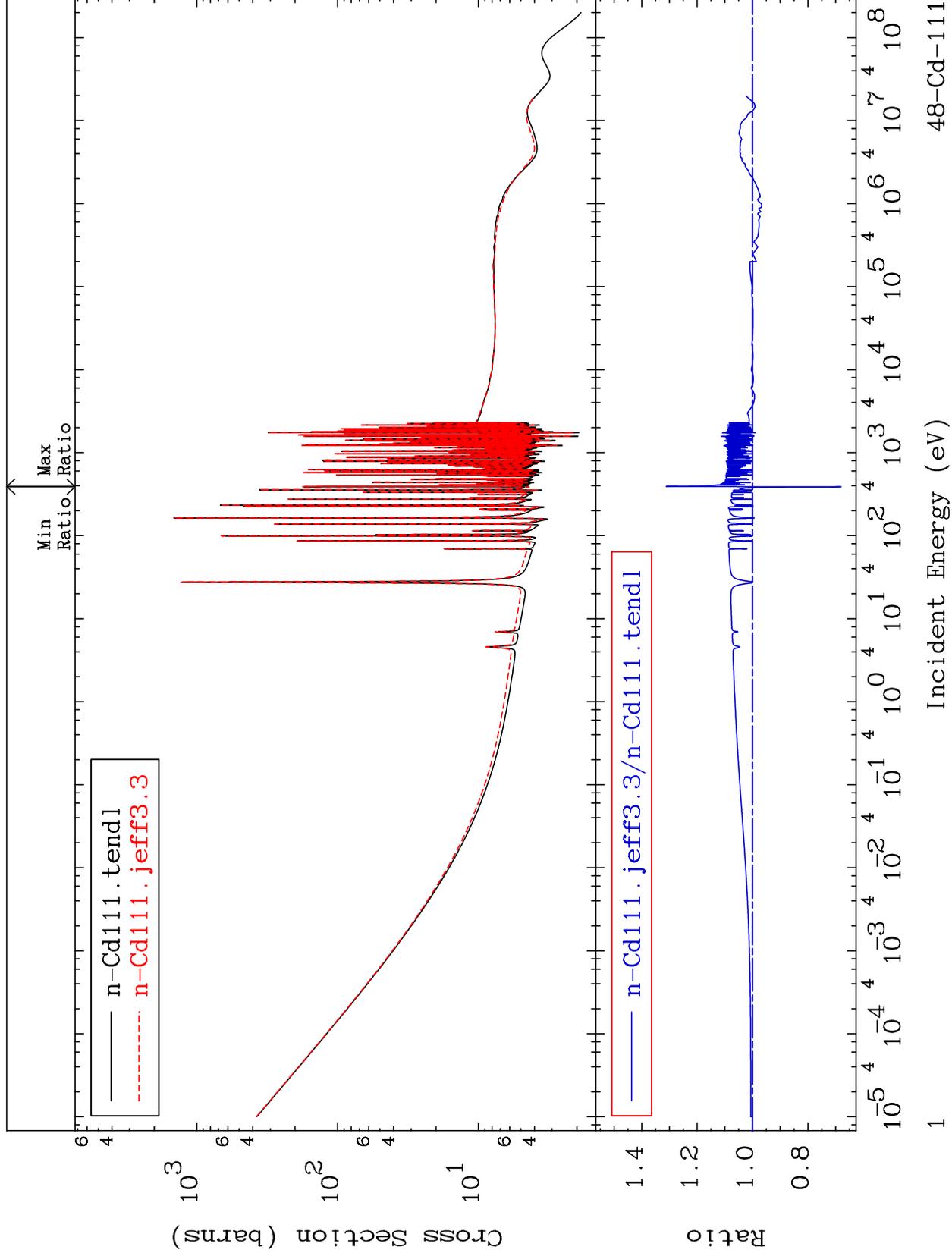
MAT 4840

Total

48-Cd-111

Cross Section

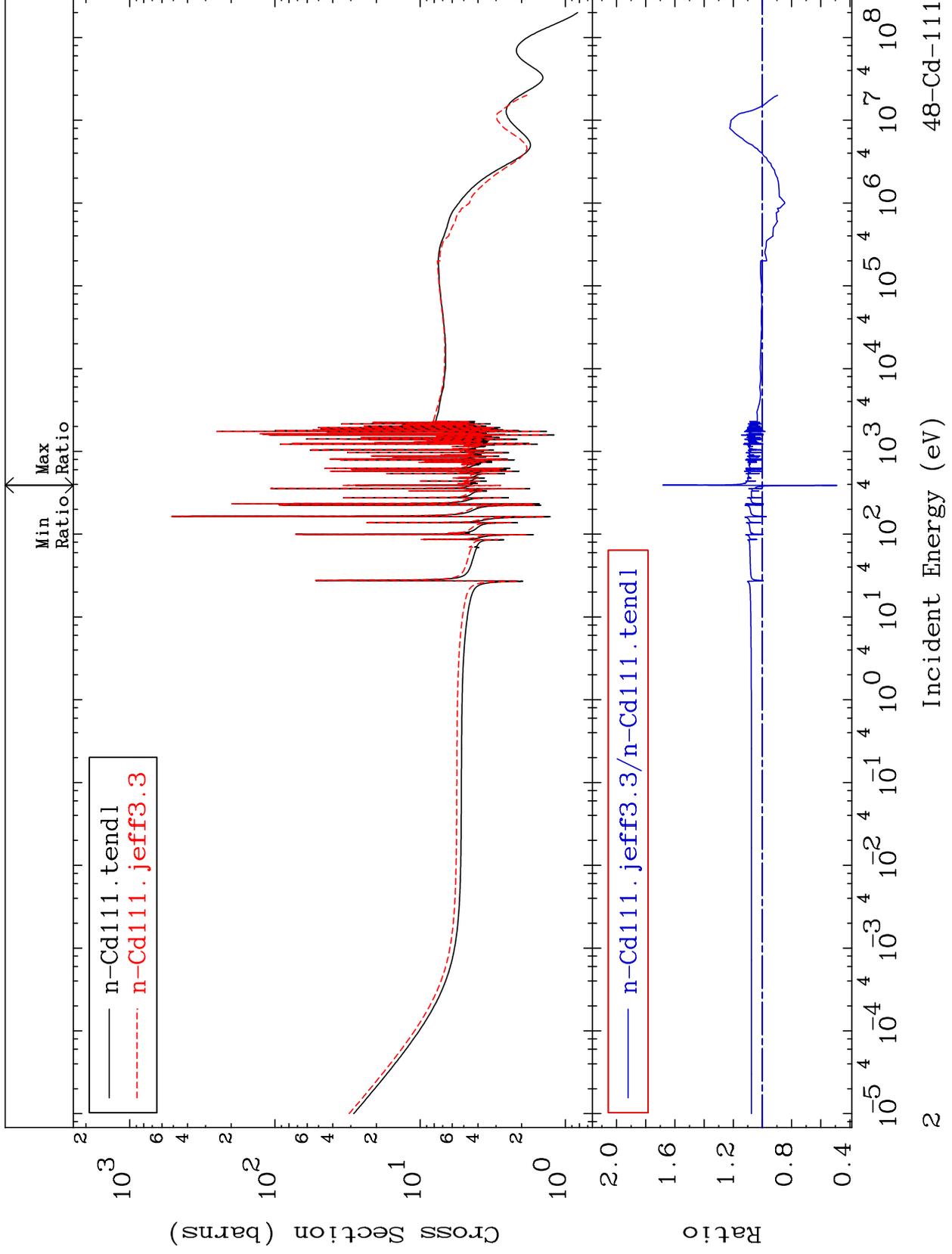
-32.02 To 31.12 %



MAT 4840

Elastic
Cross Section

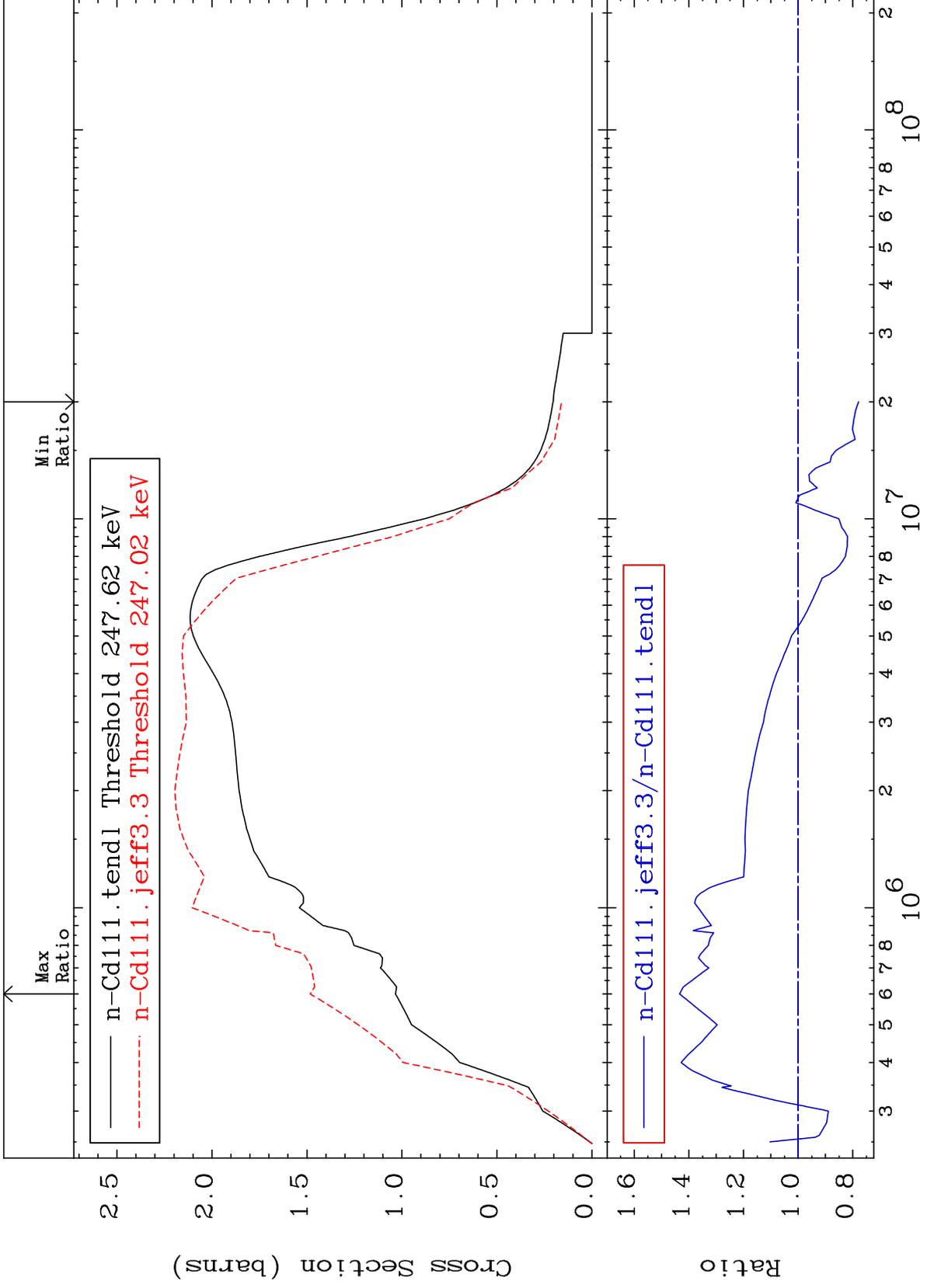
48-Cd-111
-51.10 To 68.29 %



MAT 4840

Inelastic
Cross Section

48-Cd-111
-22.11 To 43.41 %



3

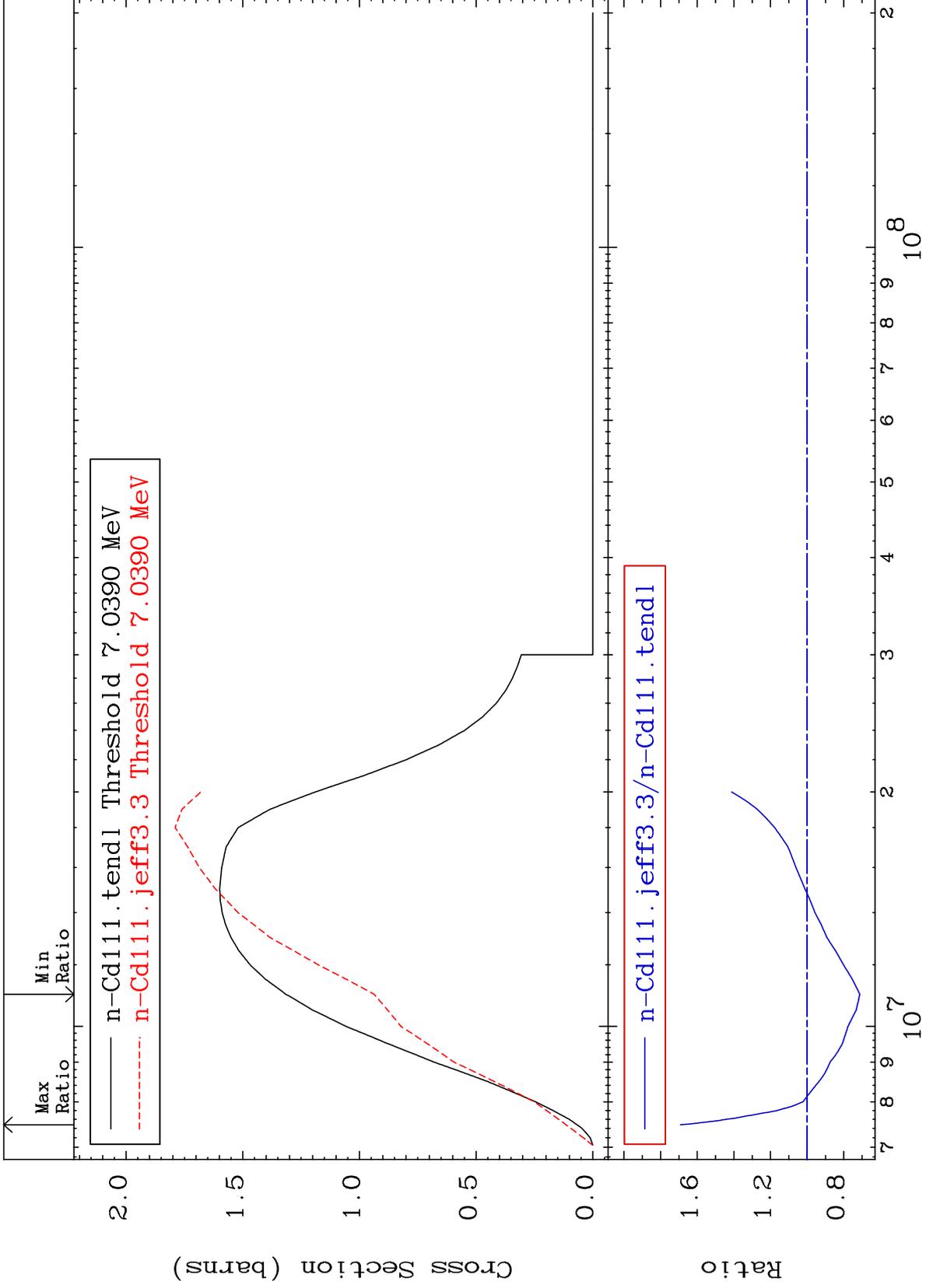
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,2n)
Cross Section

48-Cd-111
-28.74 To 69.14 %



4

Incident Energy (eV)

48-Cd-111

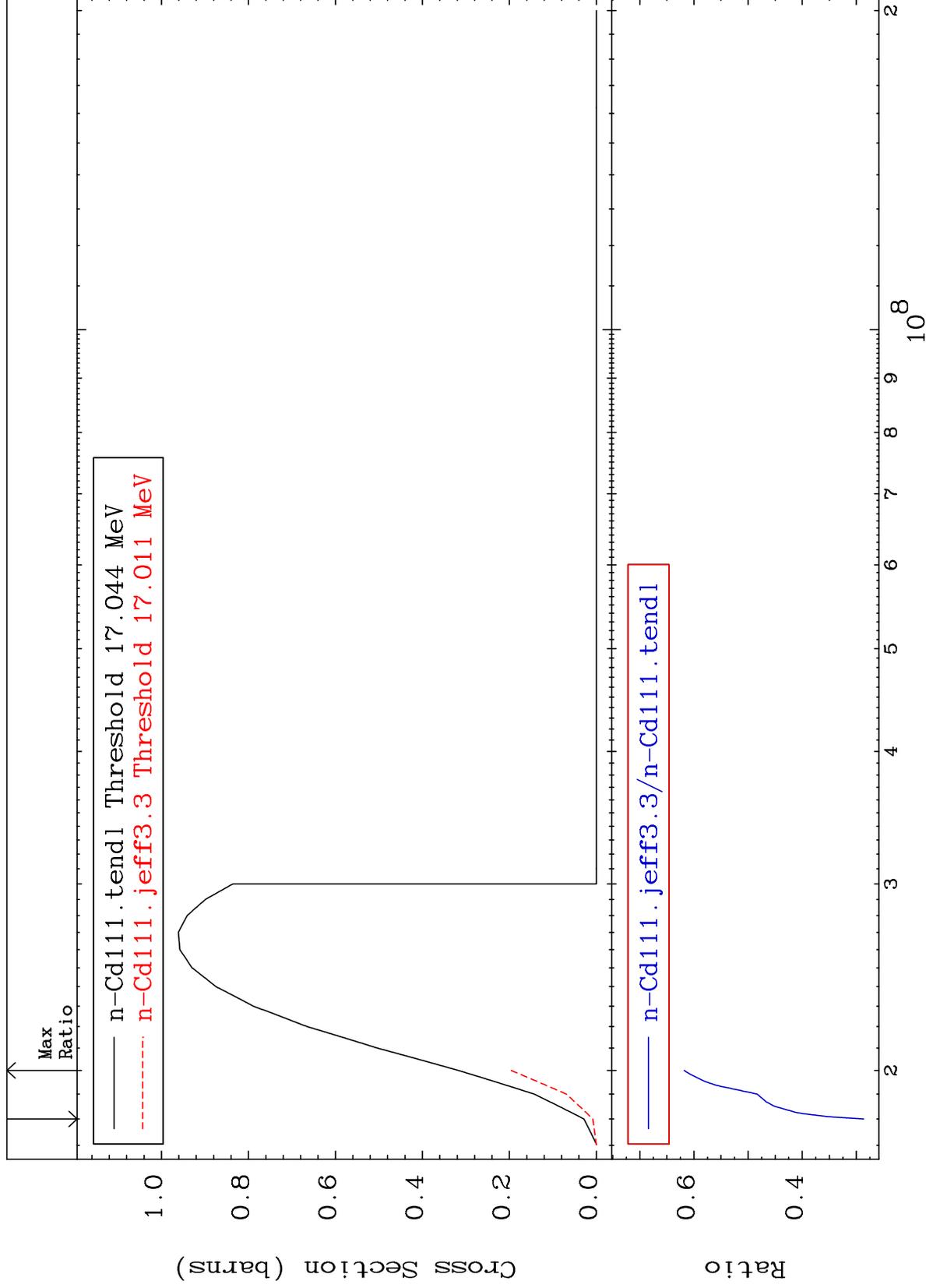
MAT 4840

(n,3n)

48-Cd-111

Cross Section

-71.34 To -38.20%



5

48-Cd-111

48-Cd-111

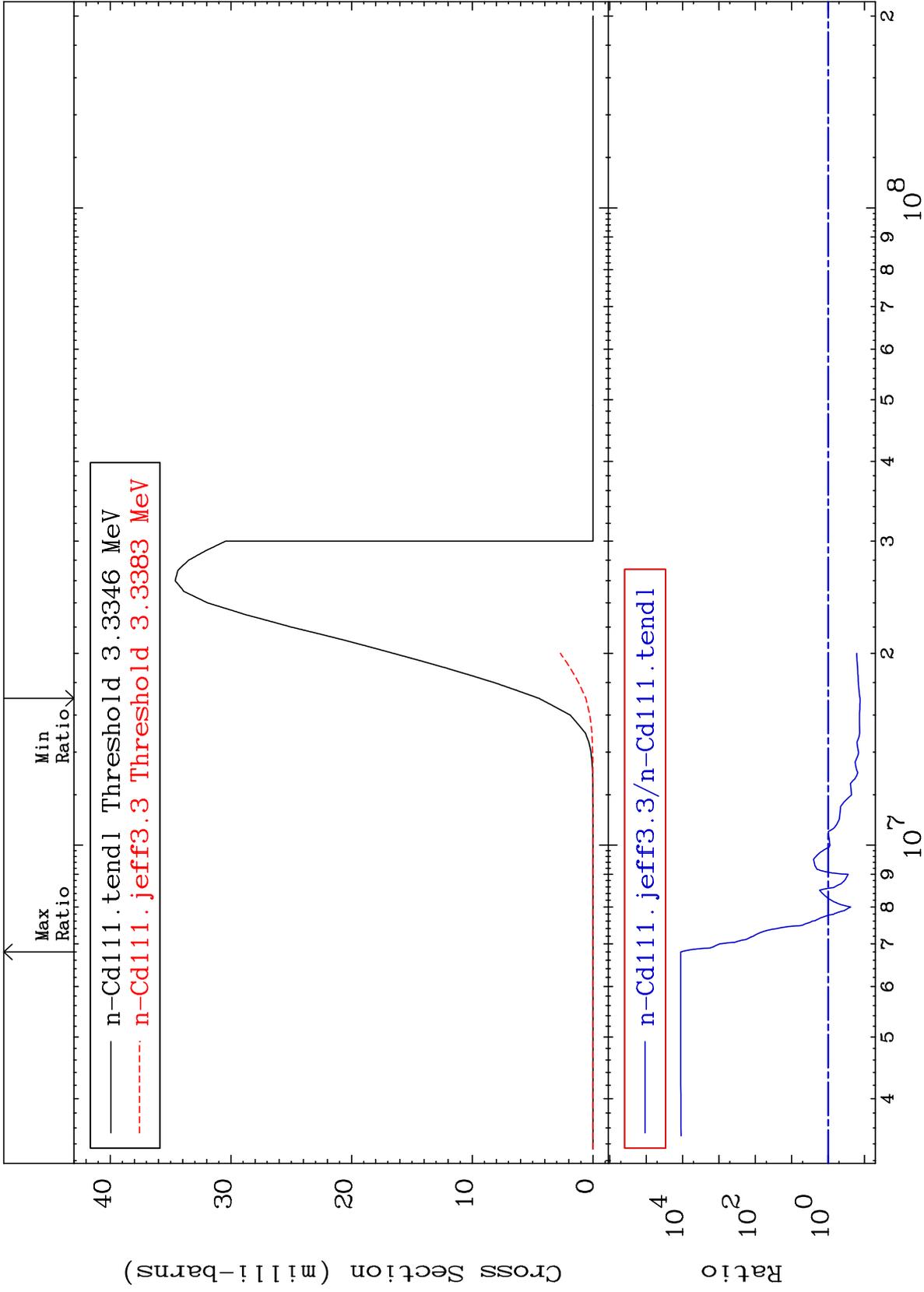
MAT 4840

(n, n') α

48-Cd-111

Cross Section

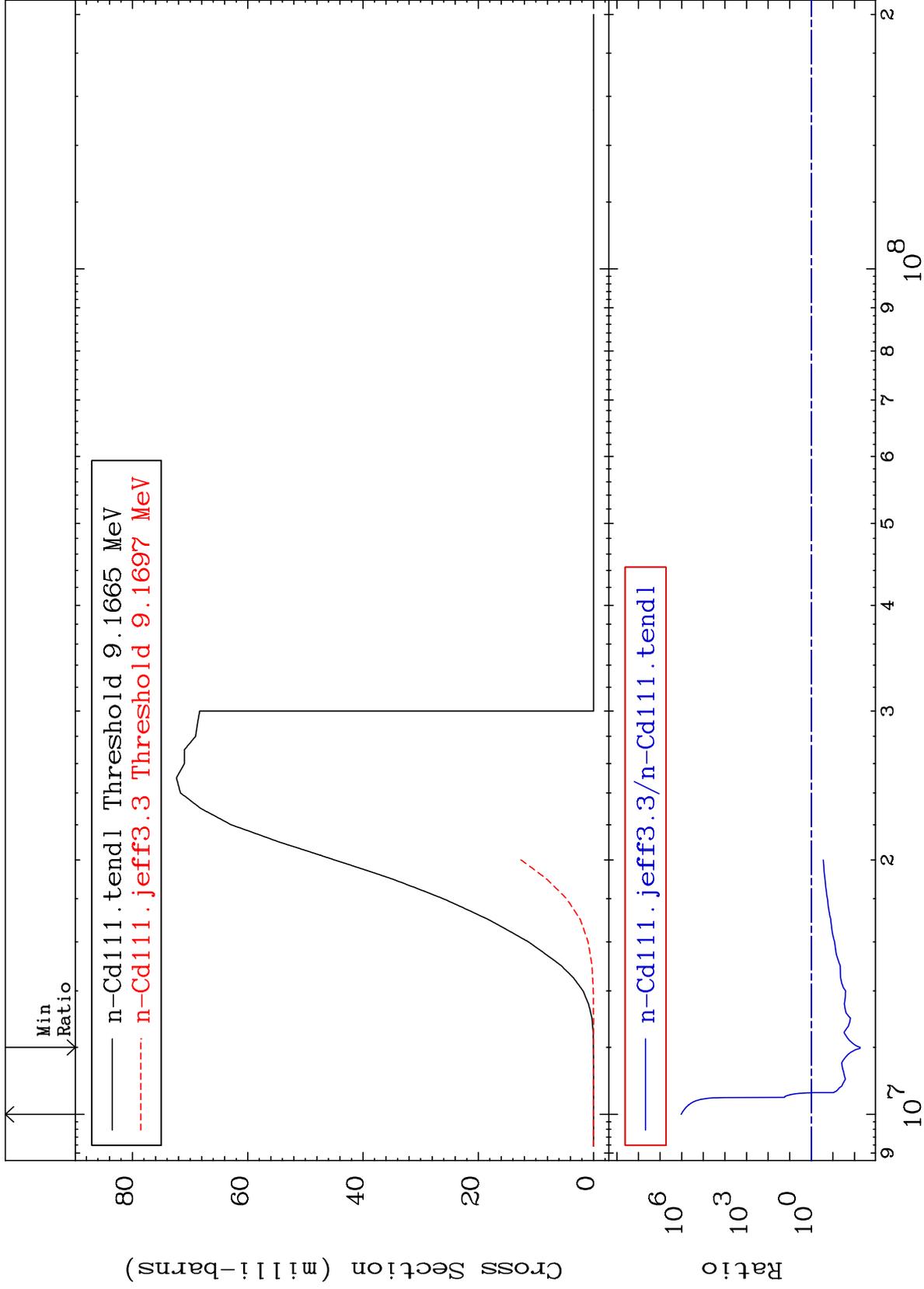
-86.85 To 9999. %



MAT 4840

(n,n') p
Cross Section

48-Cd-111
-99.45 To 9999. %



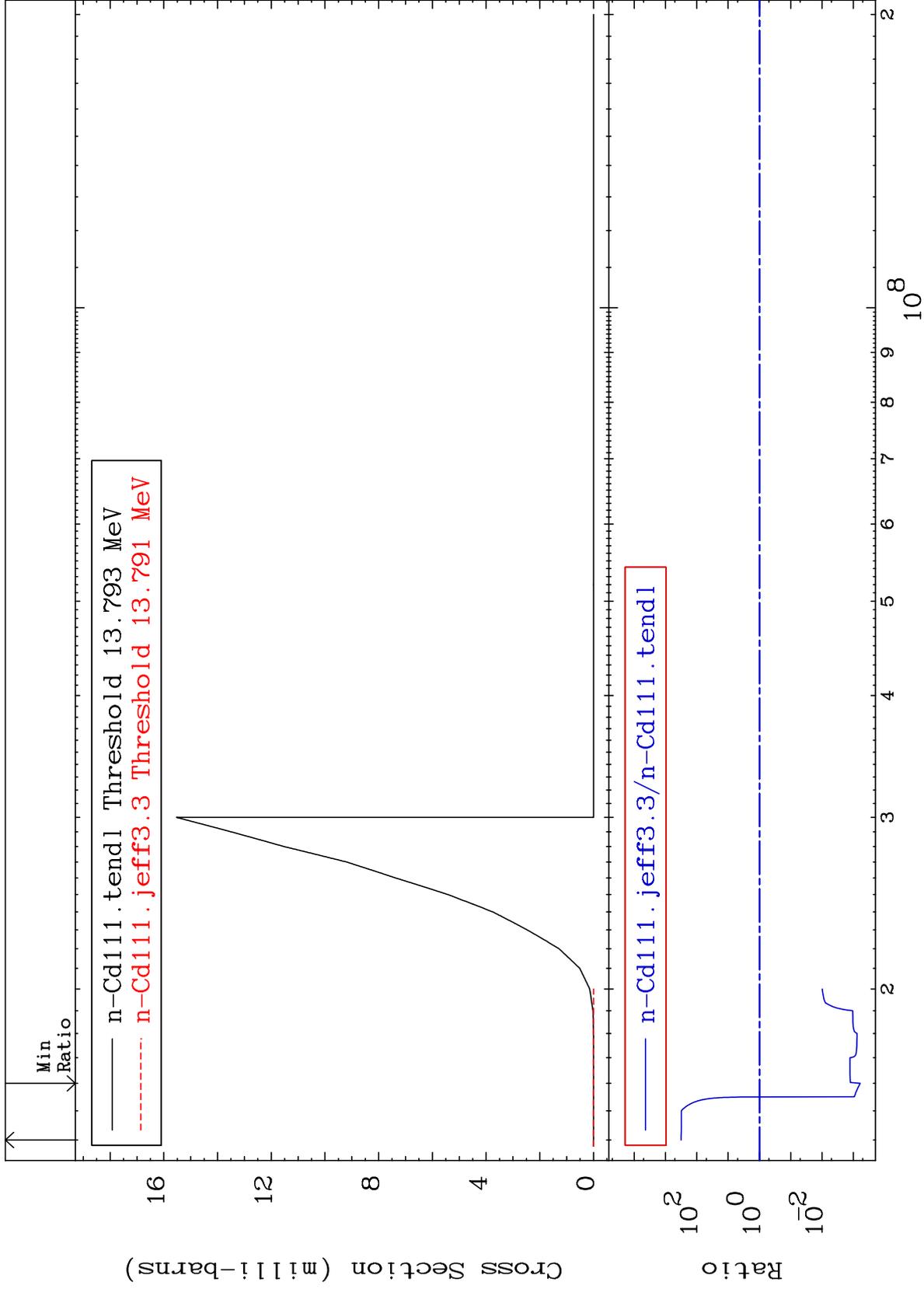
48-Cd-111

48-Cd-111

MAT 4840

(n,n') d
Cross Section

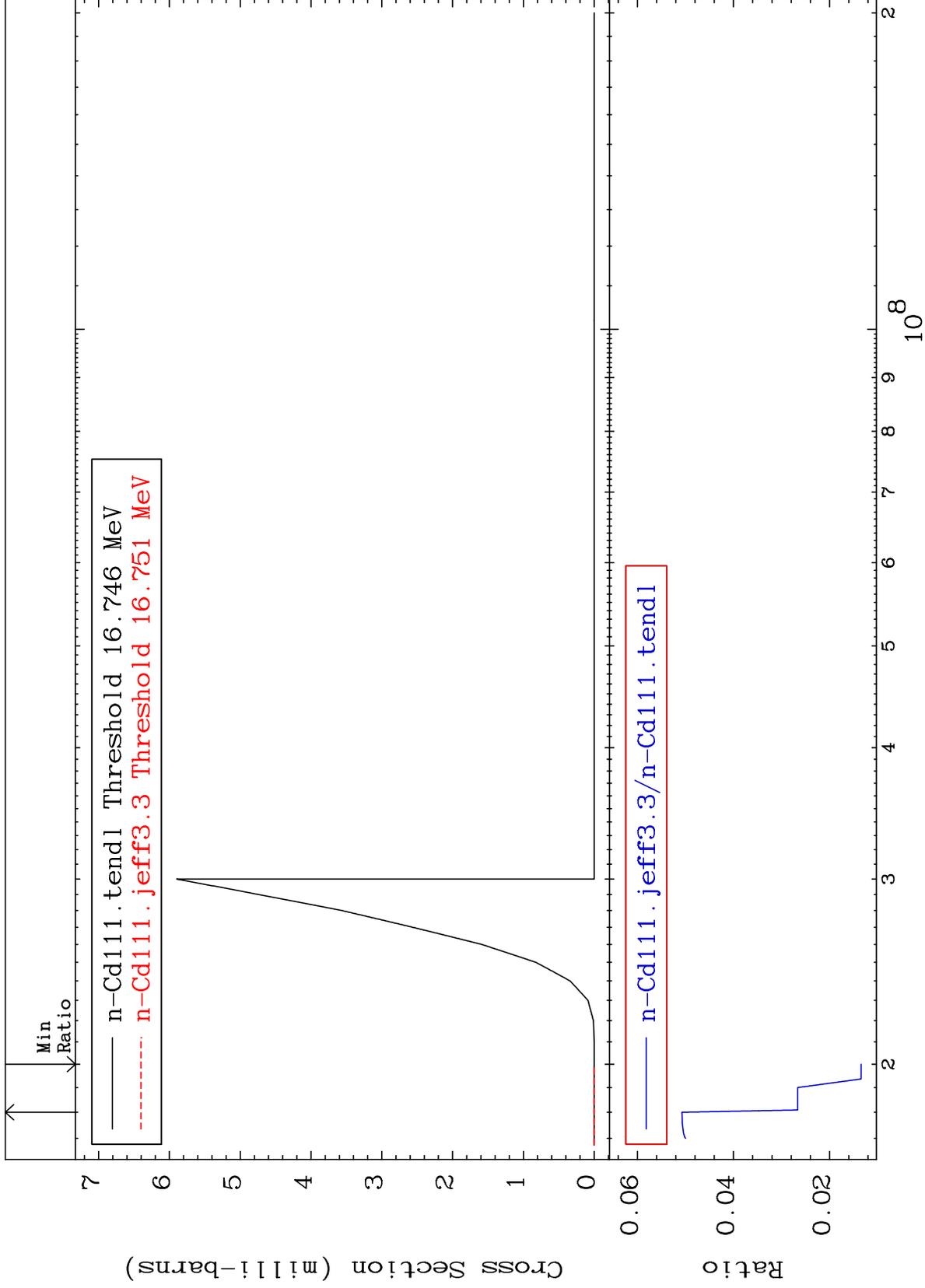
48-Cd-111
-99.94 To 9999. %



MAT 4840

(n,n') t
Cross Section

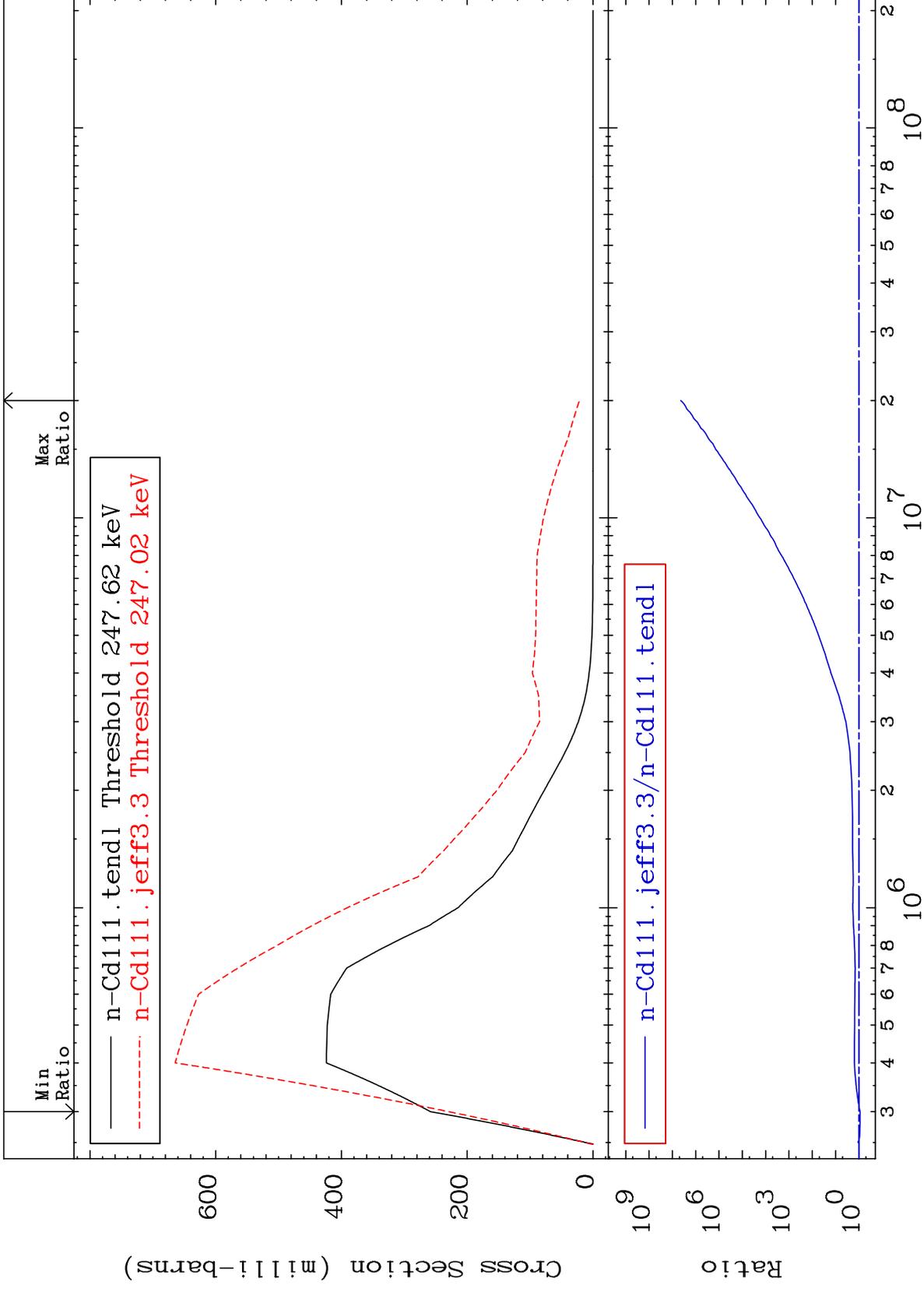
48-Cd-111
-98.66 To -94.93%



MAT 4840

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

48-Cd-111
-11.06 To 9999. %



10

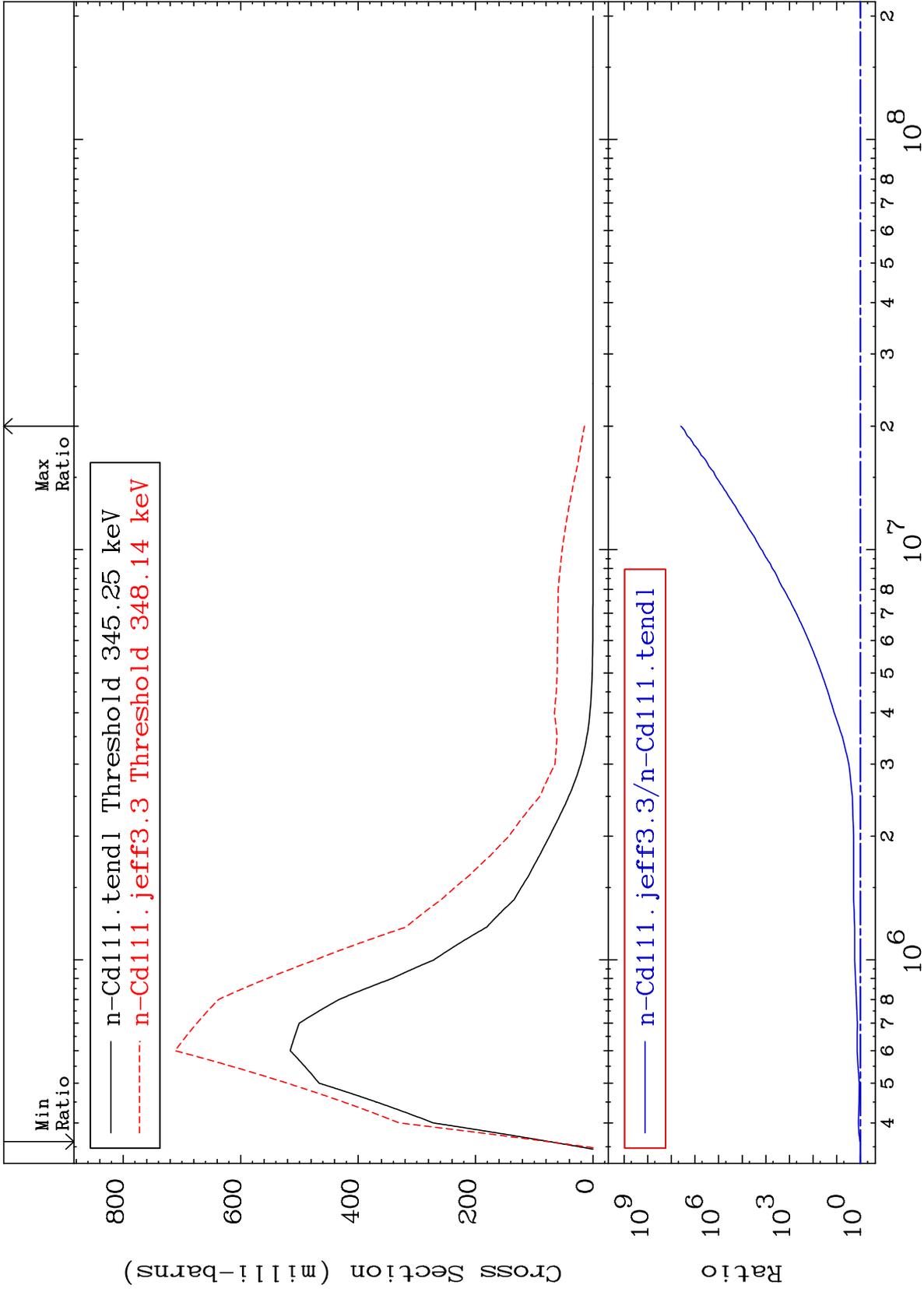
Incident Energy (eV)

48-Cd-111

MAT 4840

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

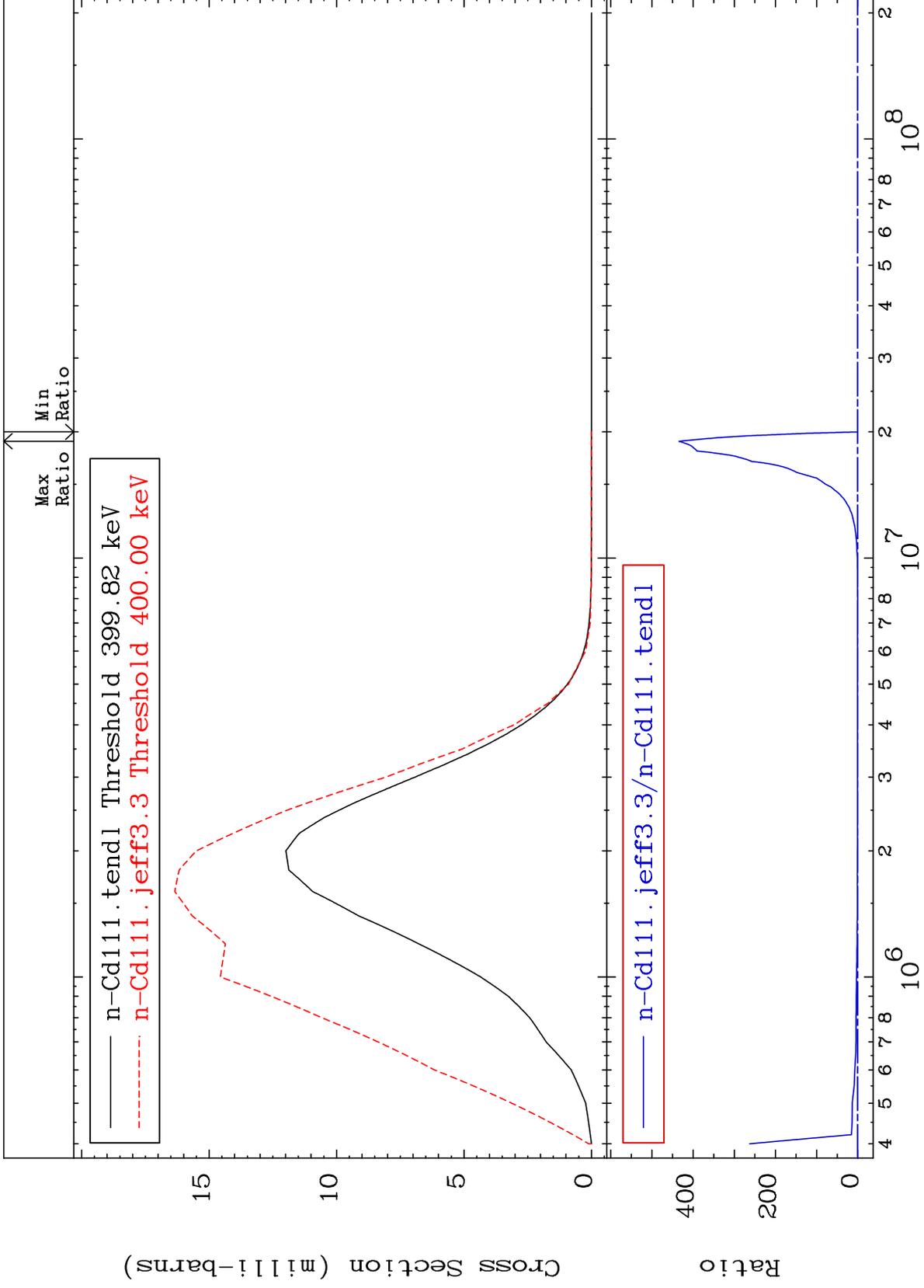
48-Cd-111
To 9999. %



MAT 4840

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

48-Cd-111
-100.0 To 9999. %



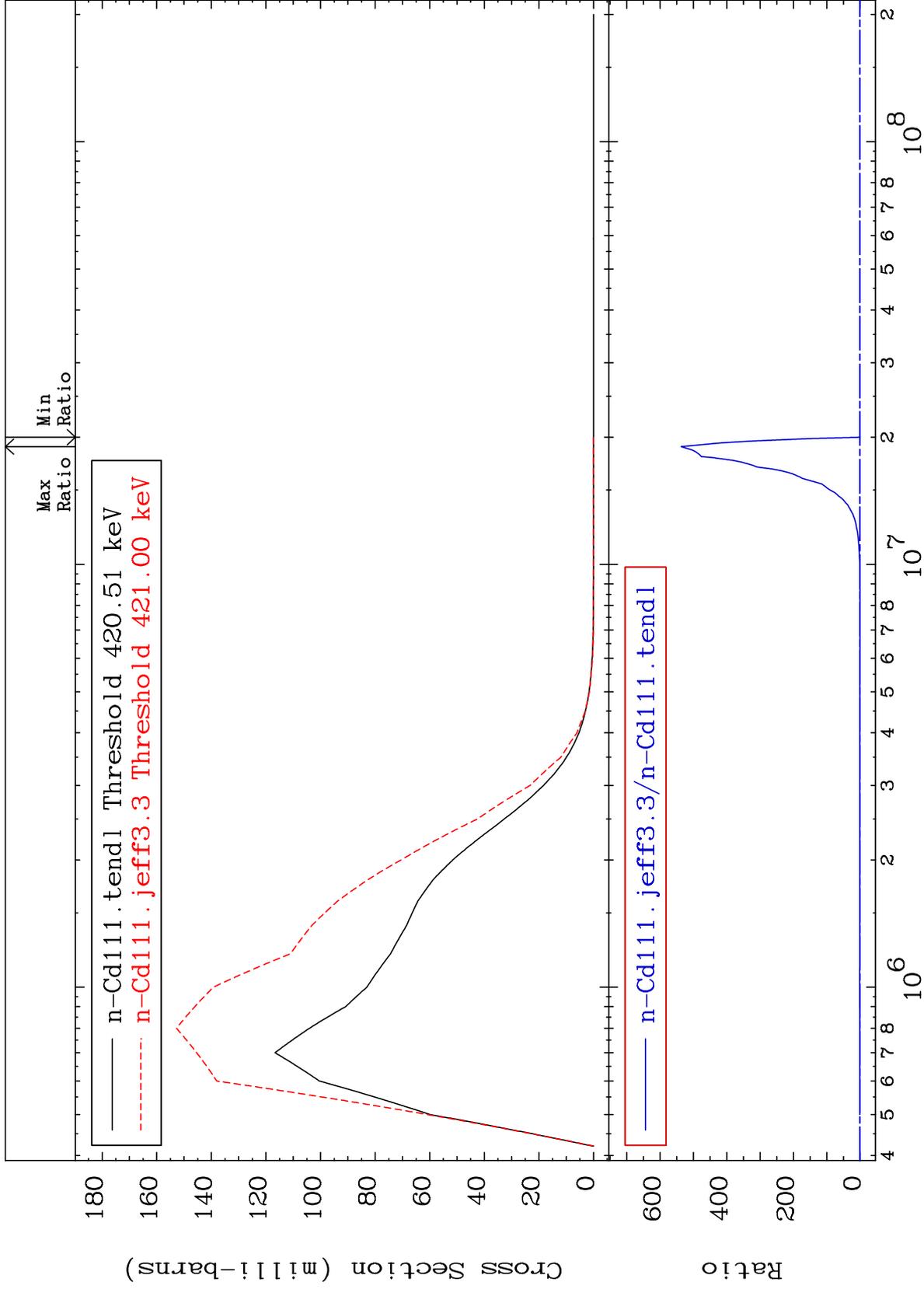
12

48-Cd-111

MAT 4840

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

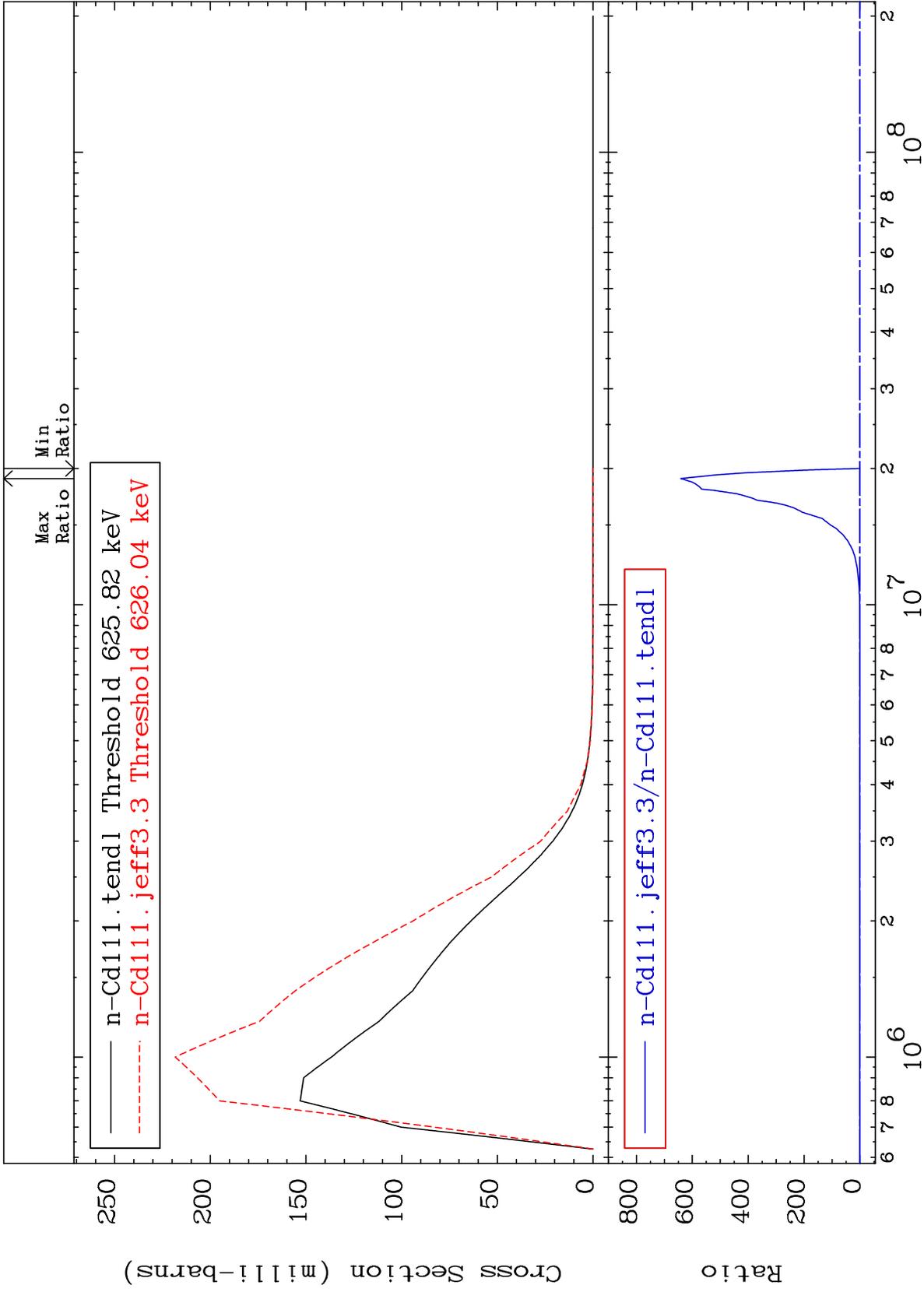
48-Cd-111
-100.0 To 9999. %



MAT 4840

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

48-Cd-111
-100.0 To 9999. %



14

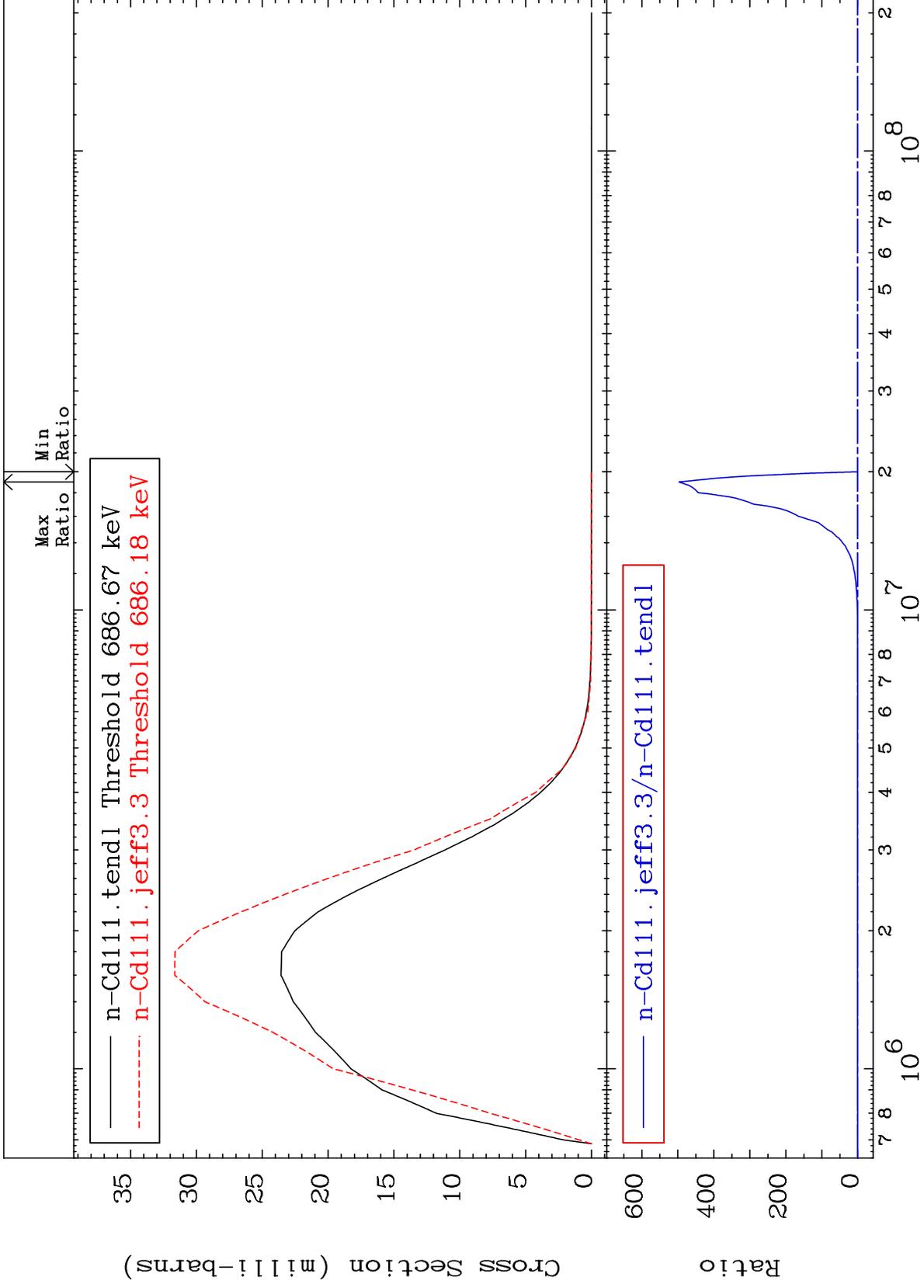
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



15

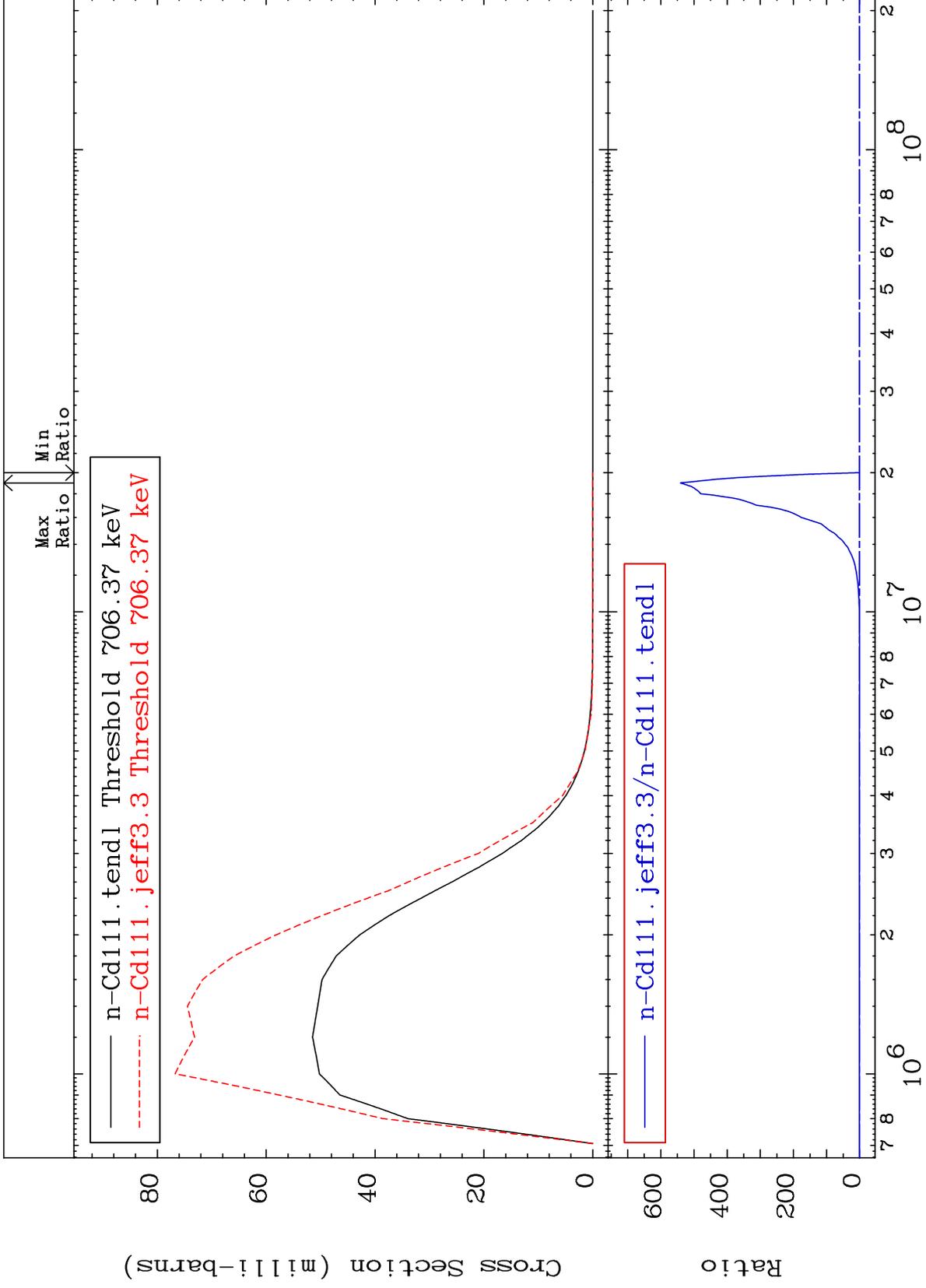
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



16

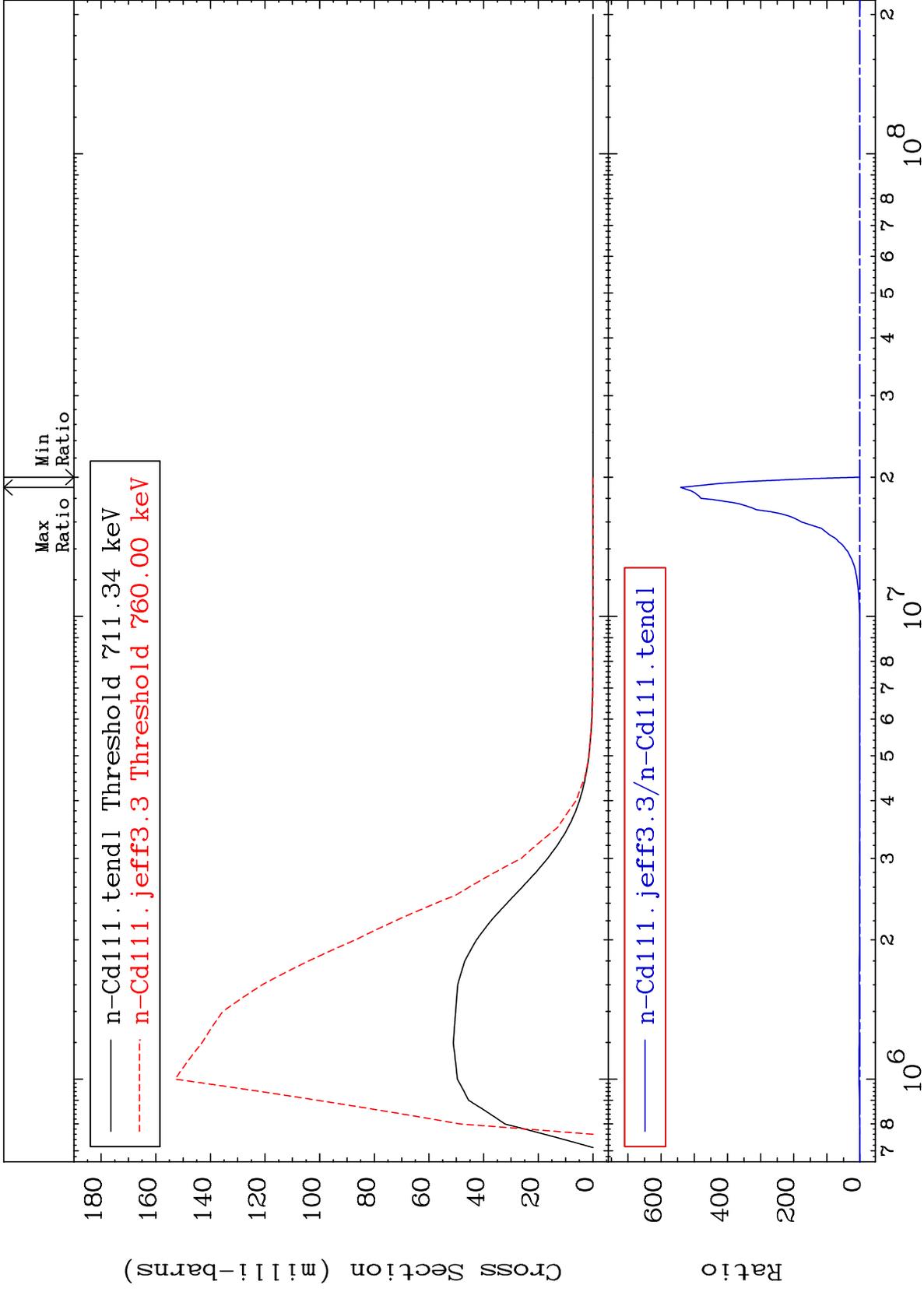
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



17

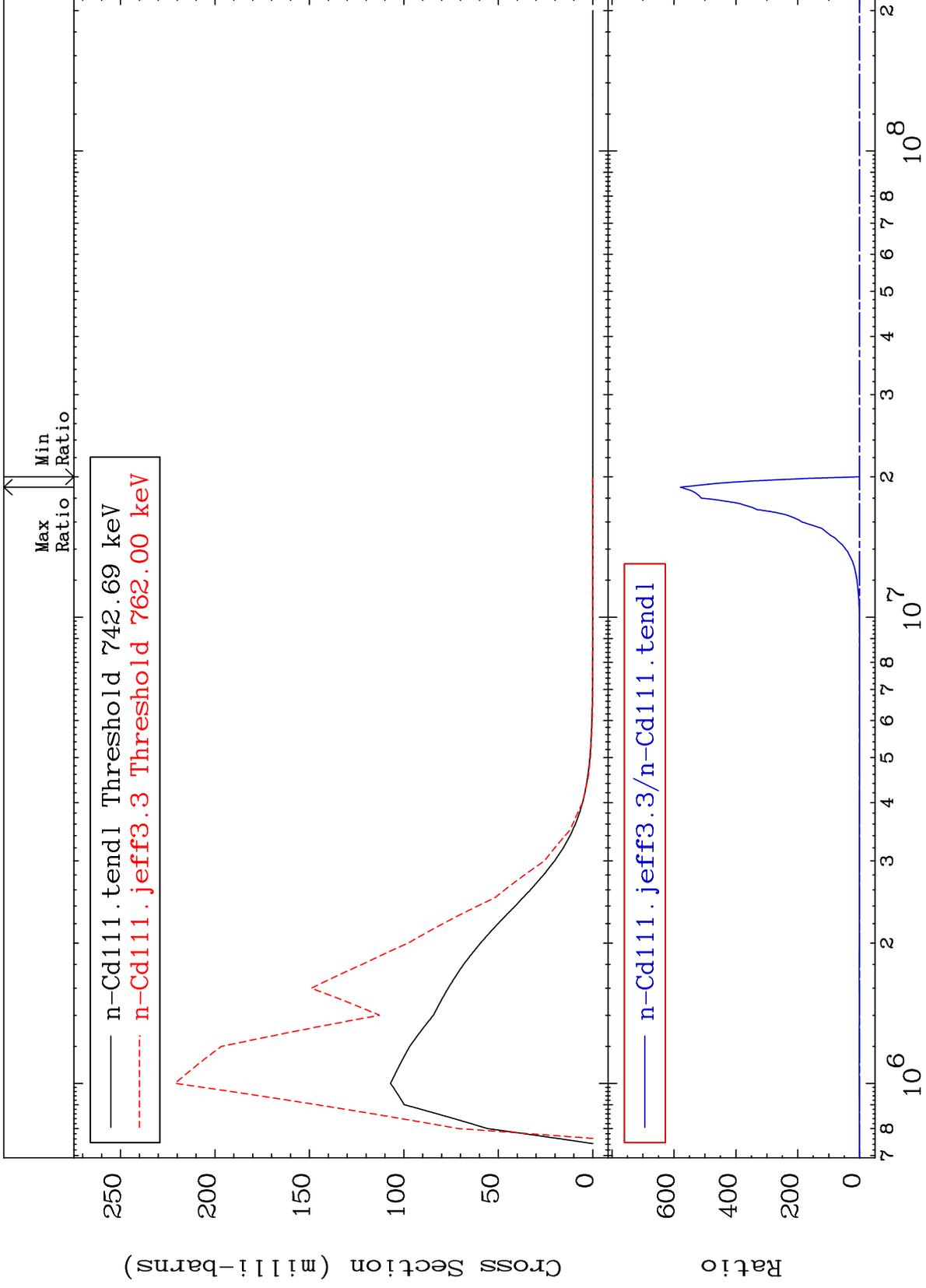
Incident Energy (eV)

48-Cd-111

MAT 4840

MT= 59 (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



18

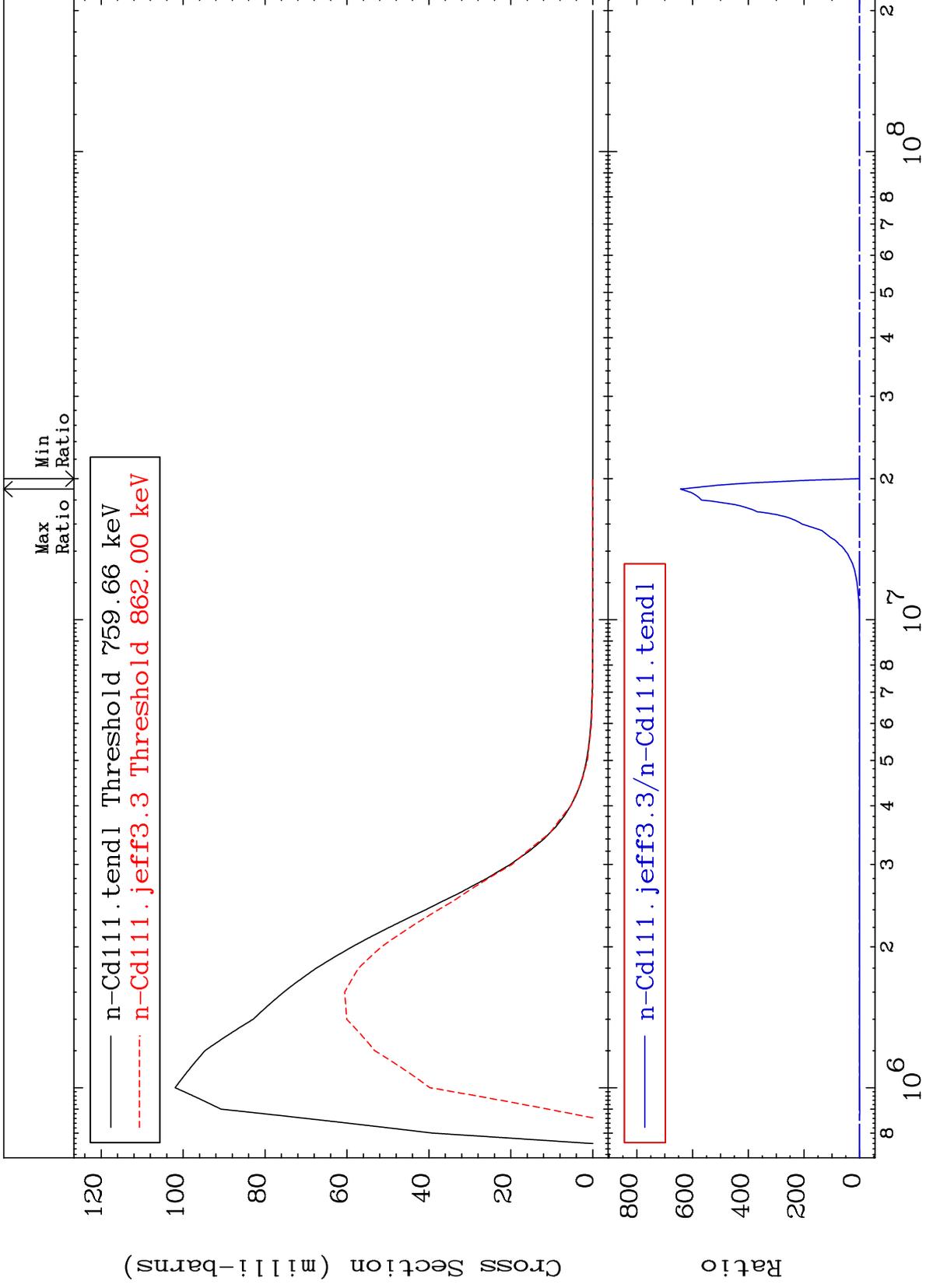
Incident Energy (eV)

48-Cd-111

MAT 4840

MT= 60 (n,n') Level
Cross Section

48-Cd-111
-100.0 To 9999. %



19

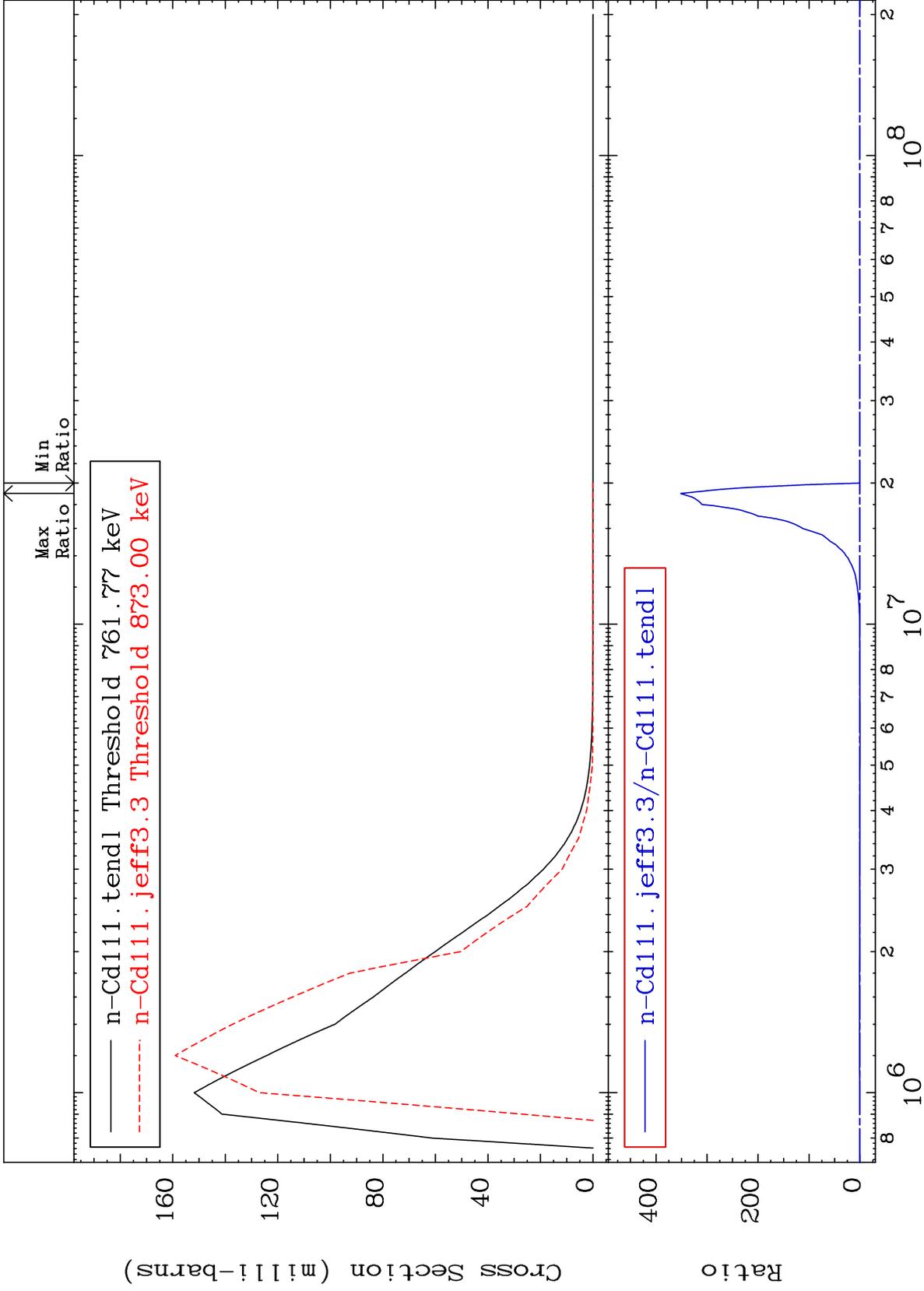
Incident Energy (eV)

48-Cd-111

MAT 4840

MT= 61 (n,n') Level
Cross Section

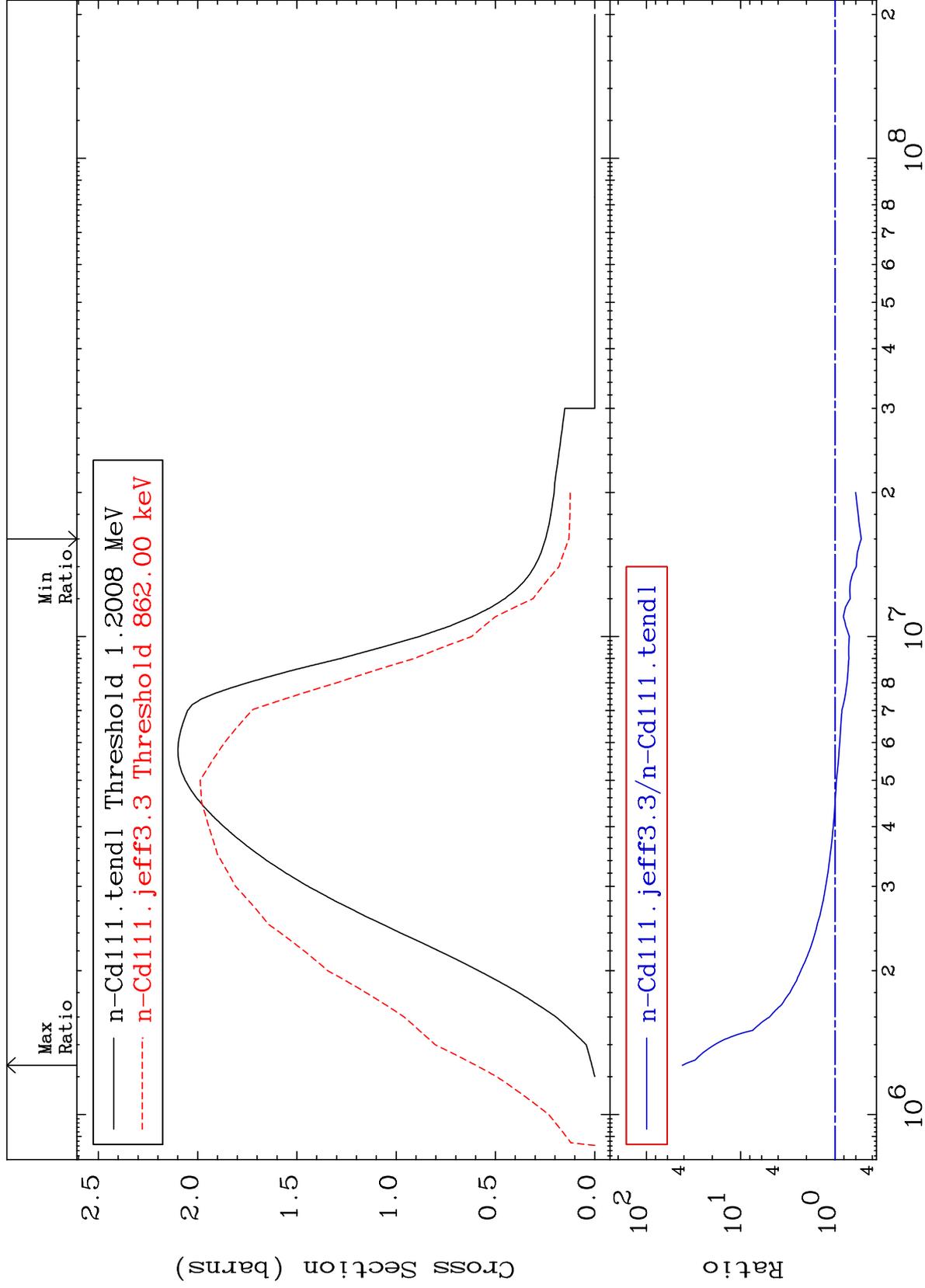
48-Cd-111
-100.0 To 9999. %



MAT 4840

(n, n') Continuum
Cross Section

48-Cd-111
-47.48 To 4067. %



21

Incident Energy (eV)

48-Cd-111

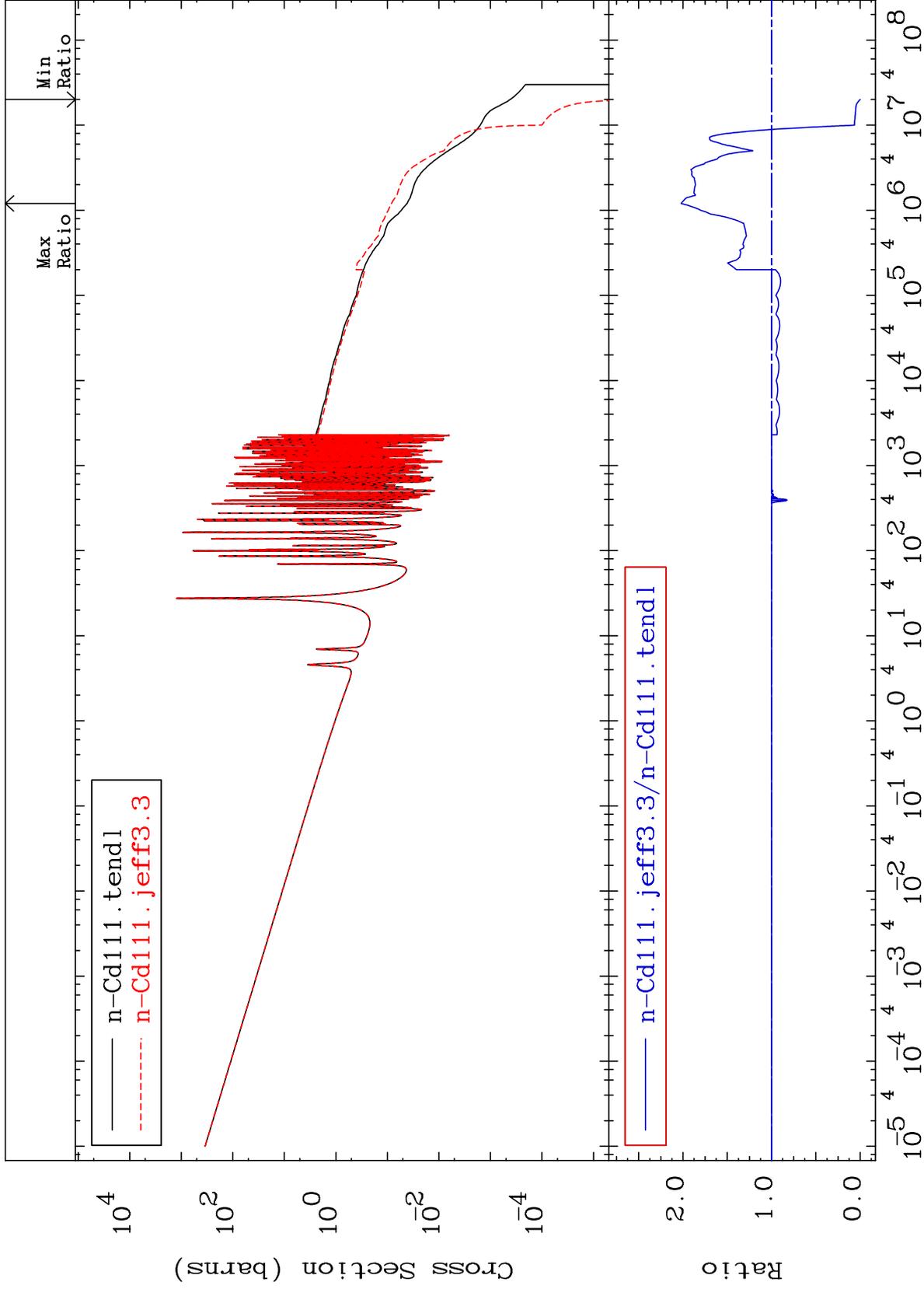
MAT 4840

(n, γ)

48-Cd-111

Cross Section

-100.0 To 102.0 %



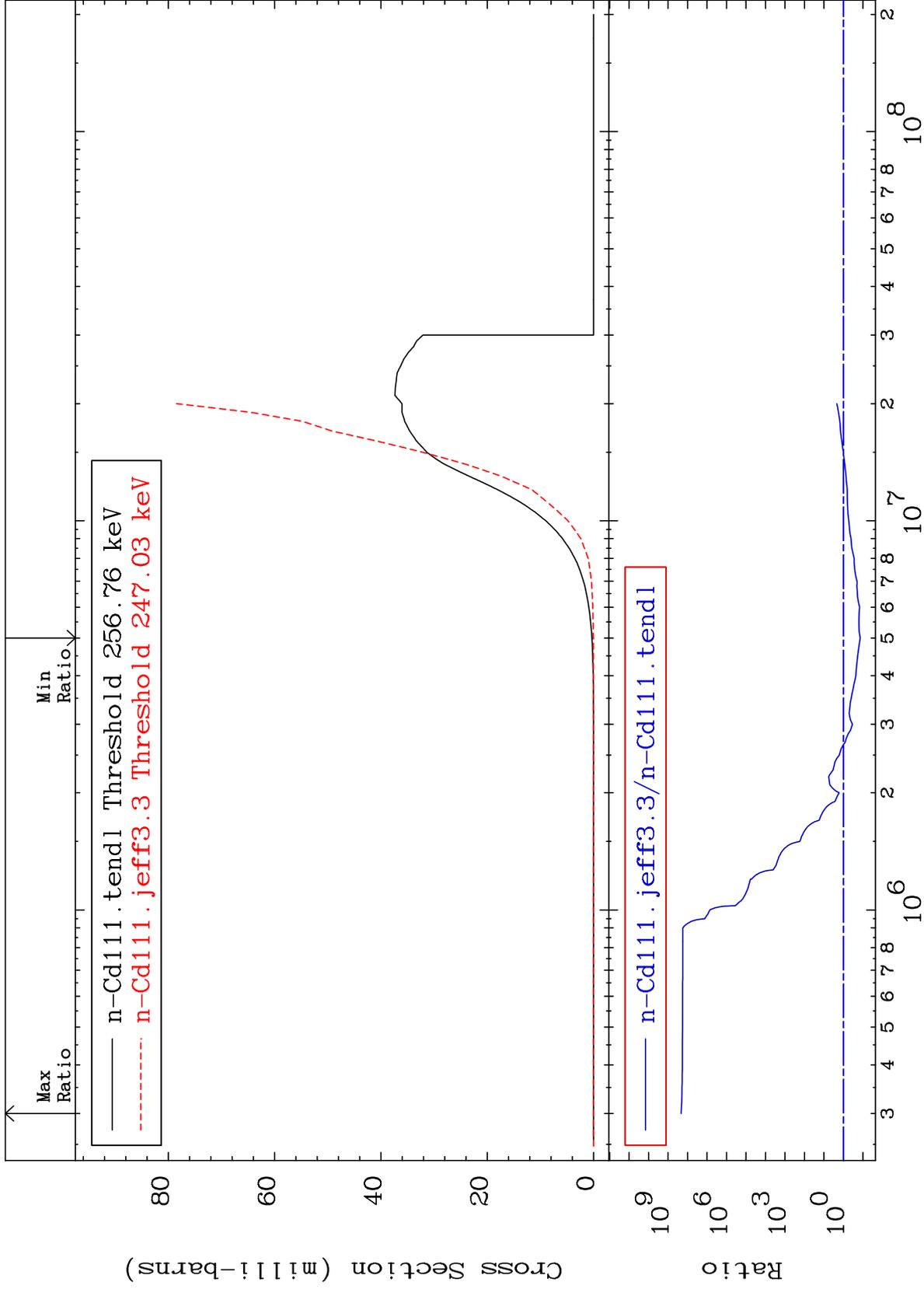
MAT 4840

(n,p)

48-Cd-111

Cross Section

-86.08 To 9999. %



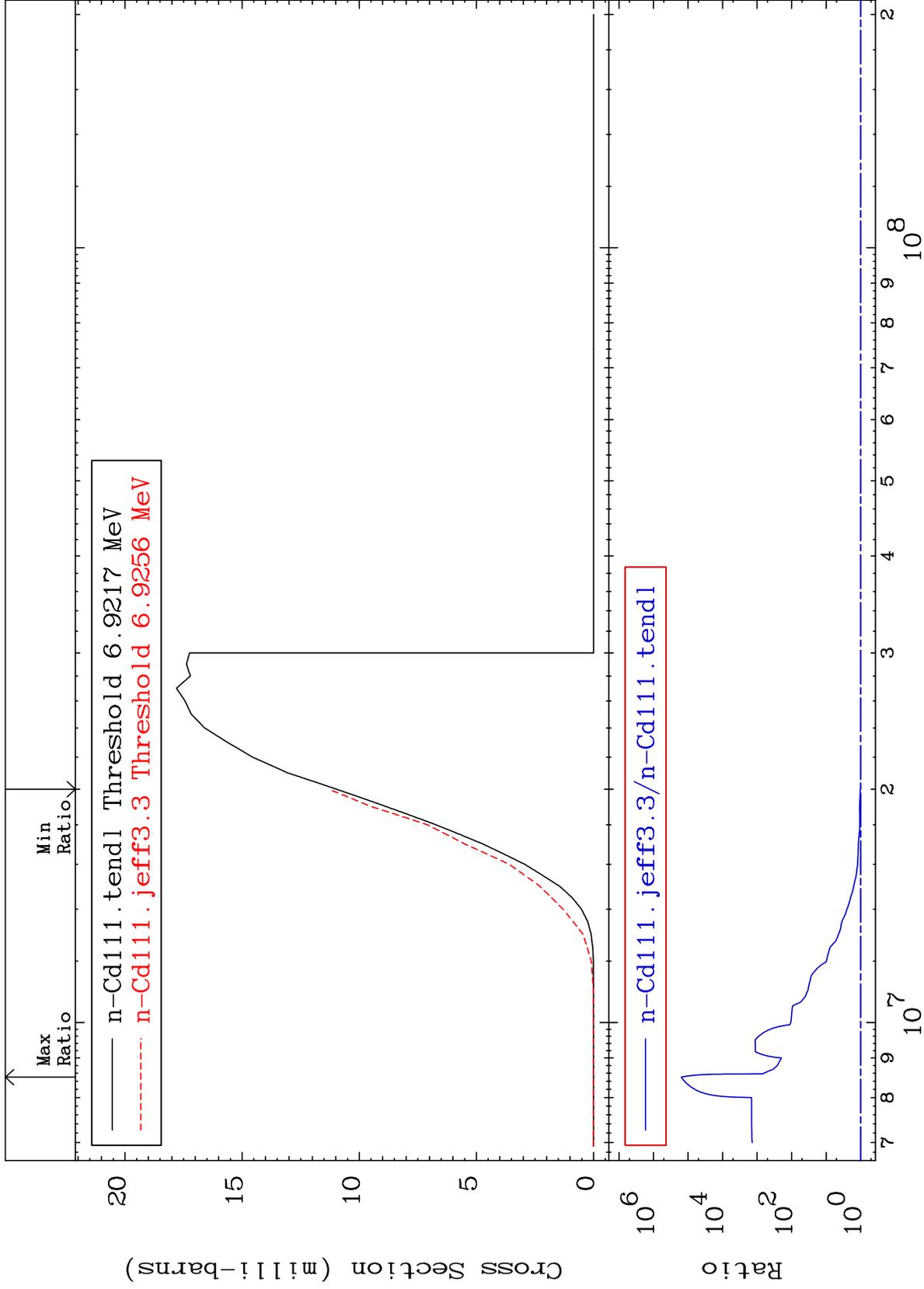
MAT 4840

(n, d)

48-Cd-111

Cross Section

3.025 To 9999. %



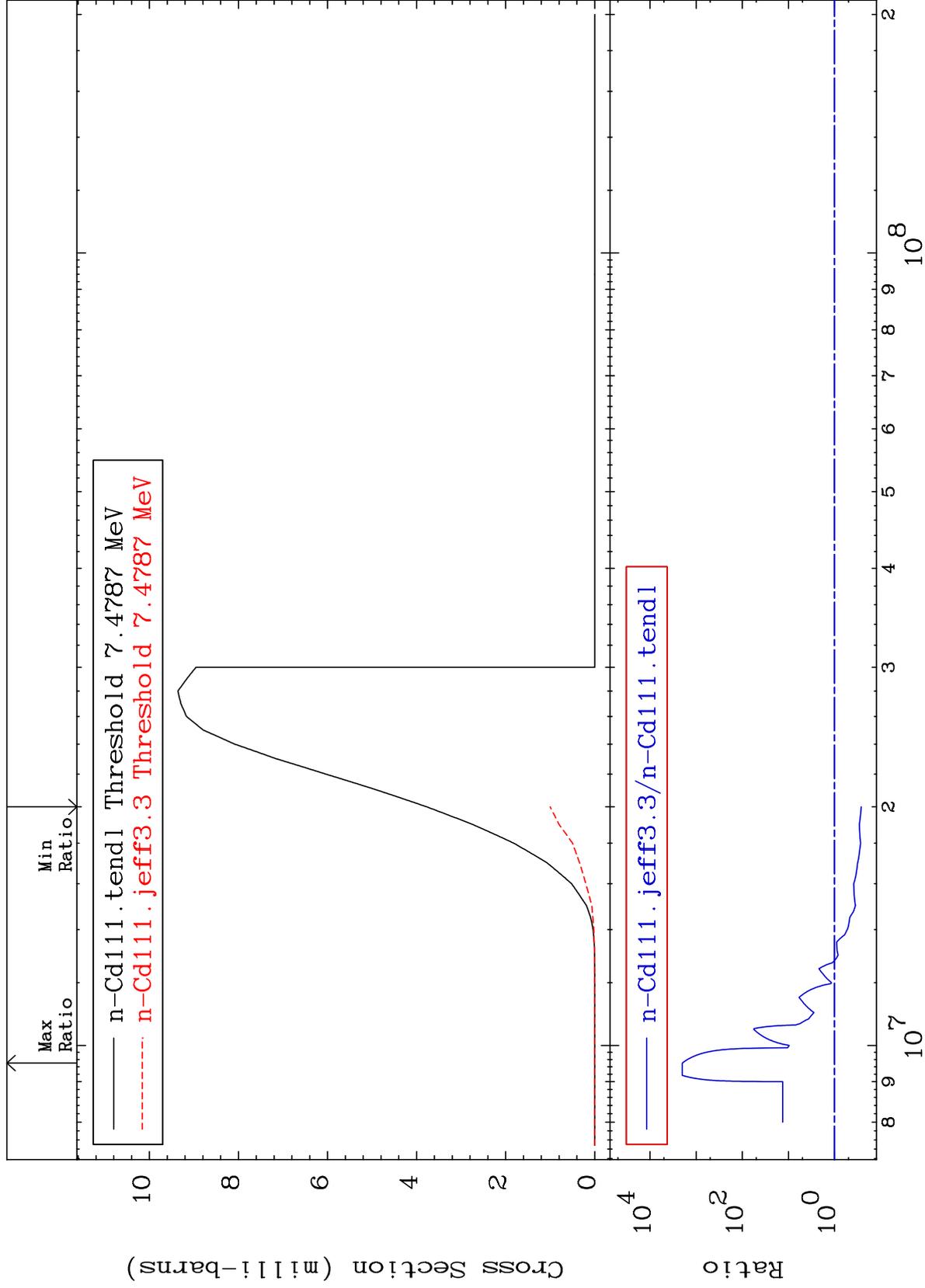
MAT 4840

(n, t)

48-Cd-111

Cross Section

-73.48 To 9999. %



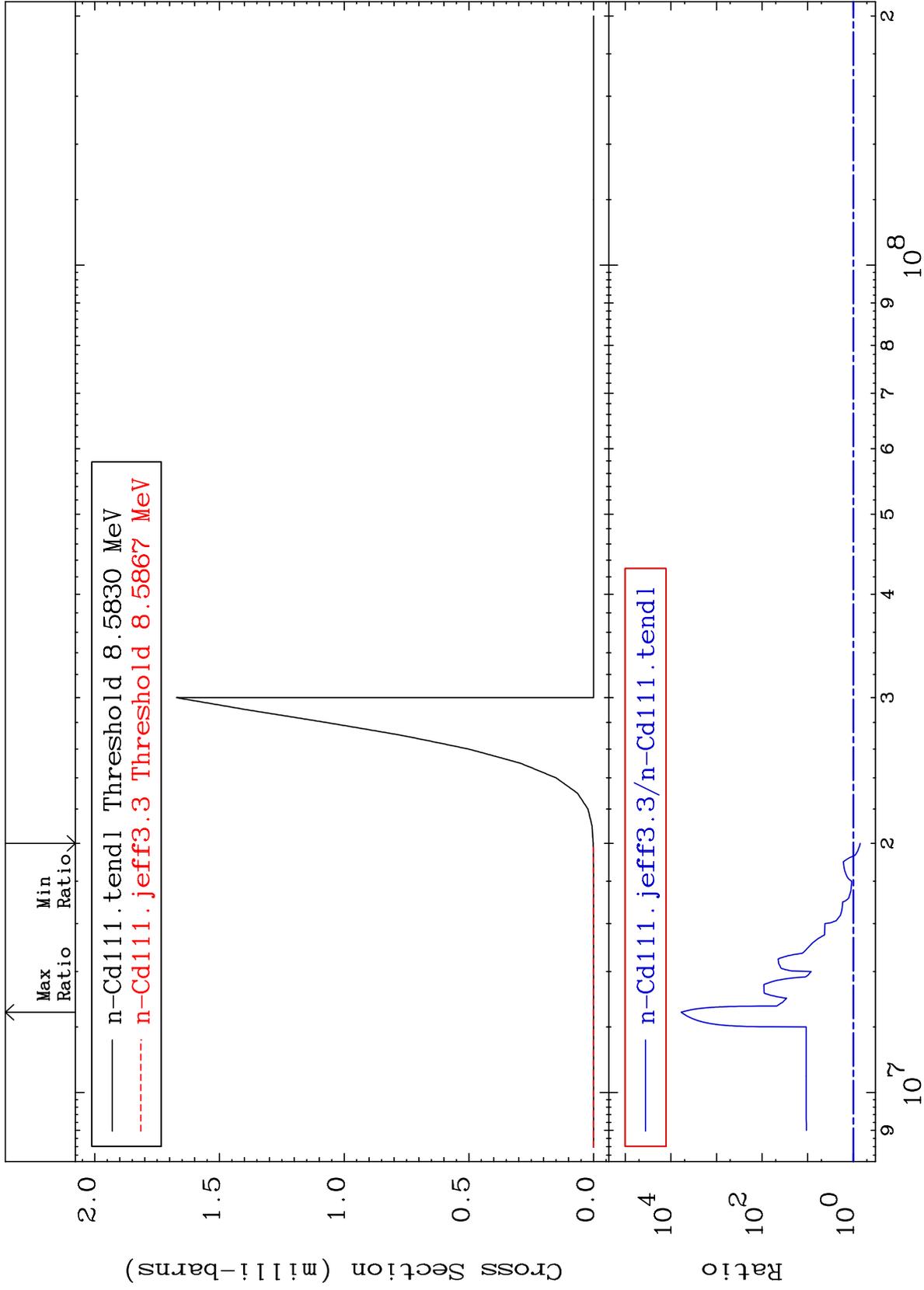
MAT 4840

(n,He-3)

48-Cd-111

Cross Section

-29.71 To 9999. %



26

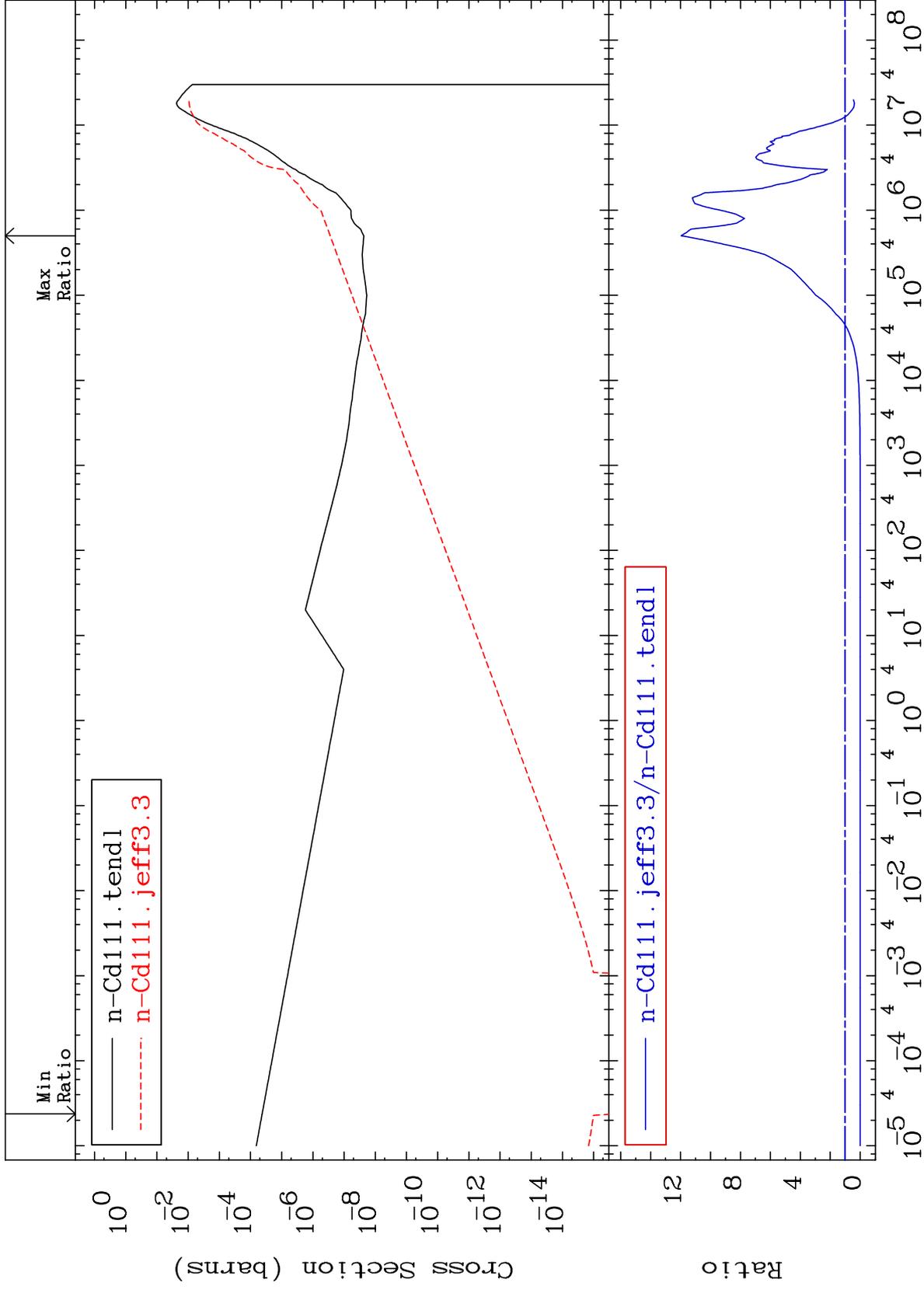
MAT 4840

(n, α)

48-Cd-111

Cross Section

-100.0 To 1096. %



27

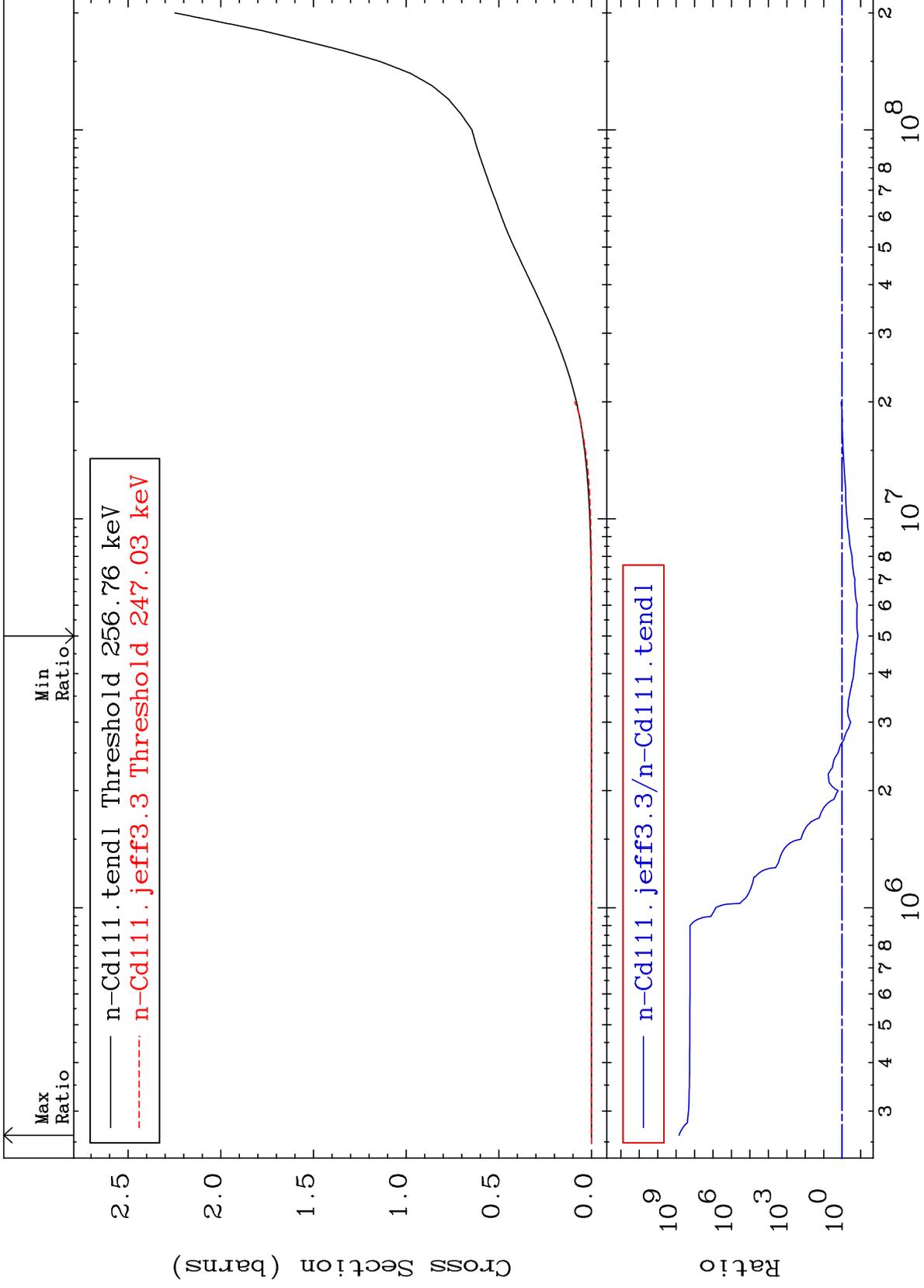
Incident Energy (eV)

48-Cd-111

MAT 4840

Hydrogen Production
Cross Section

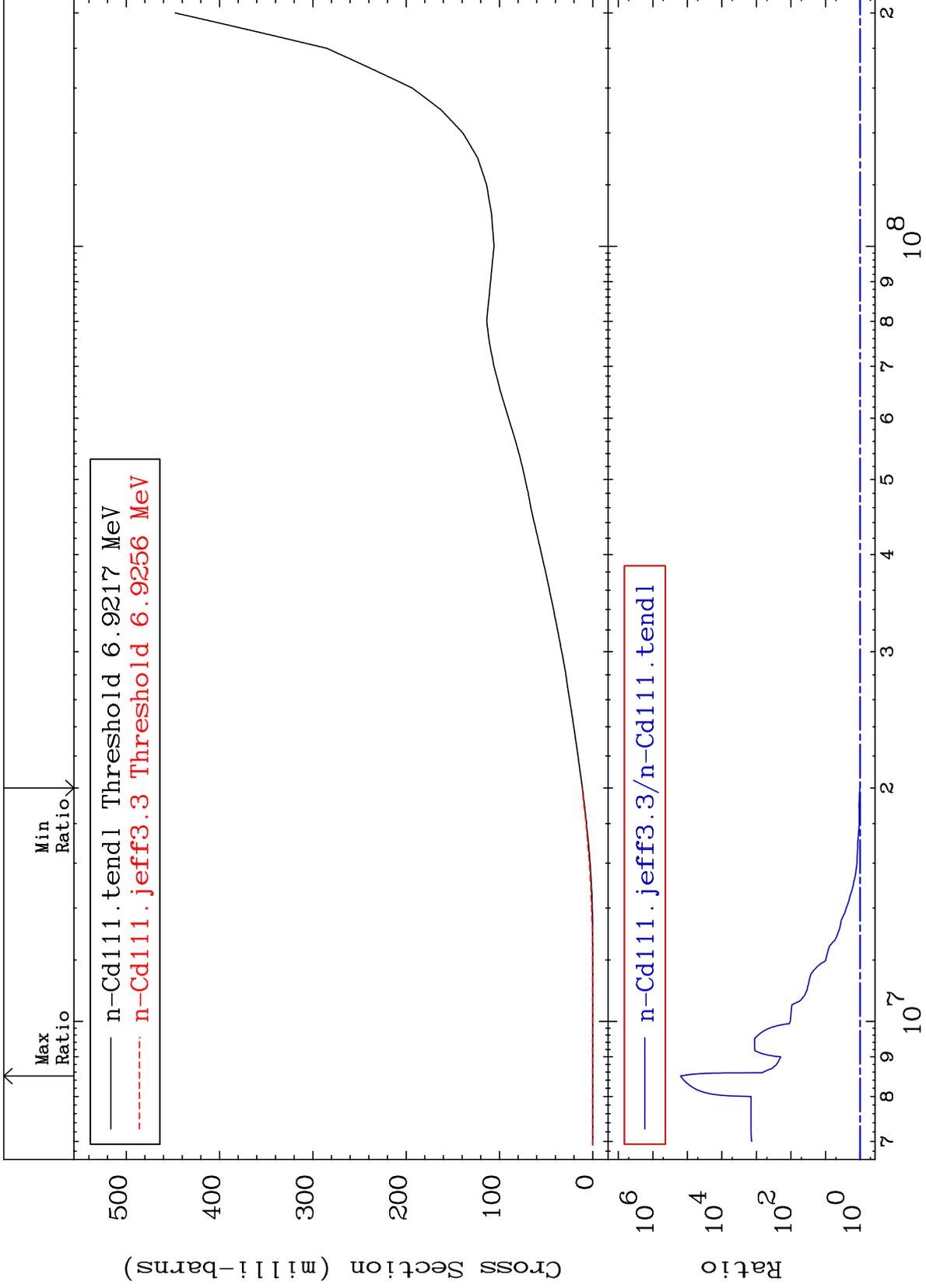
48-Cd-111
-86.08 To 9999. %



MAT 4840

Deuterium Production
Cross Section

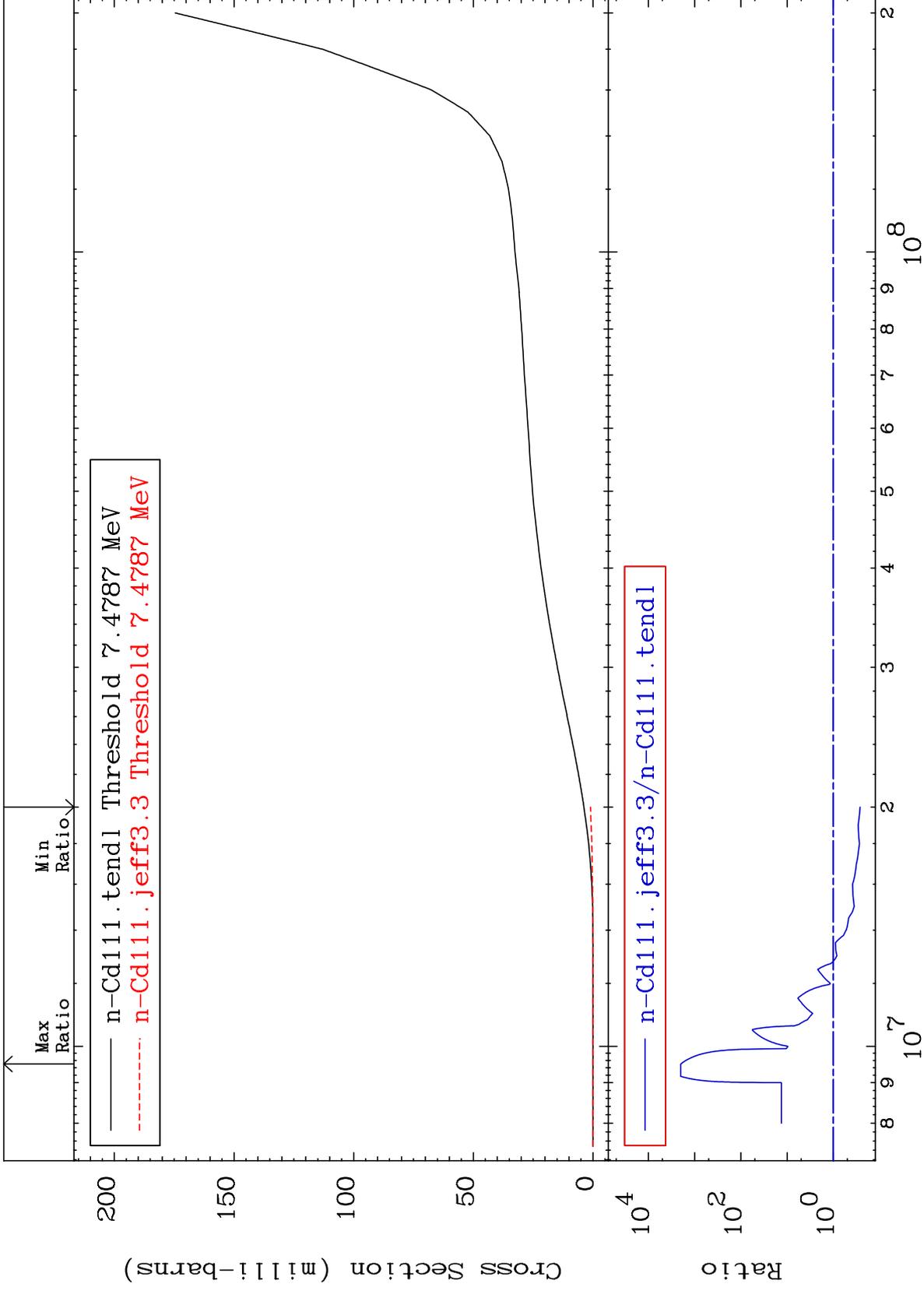
48-Cd-111
1.715 To 9999. %



MAT 4840

Tritium Production
Cross Section

48-Cd-111
-73.48 To 9999. %



30

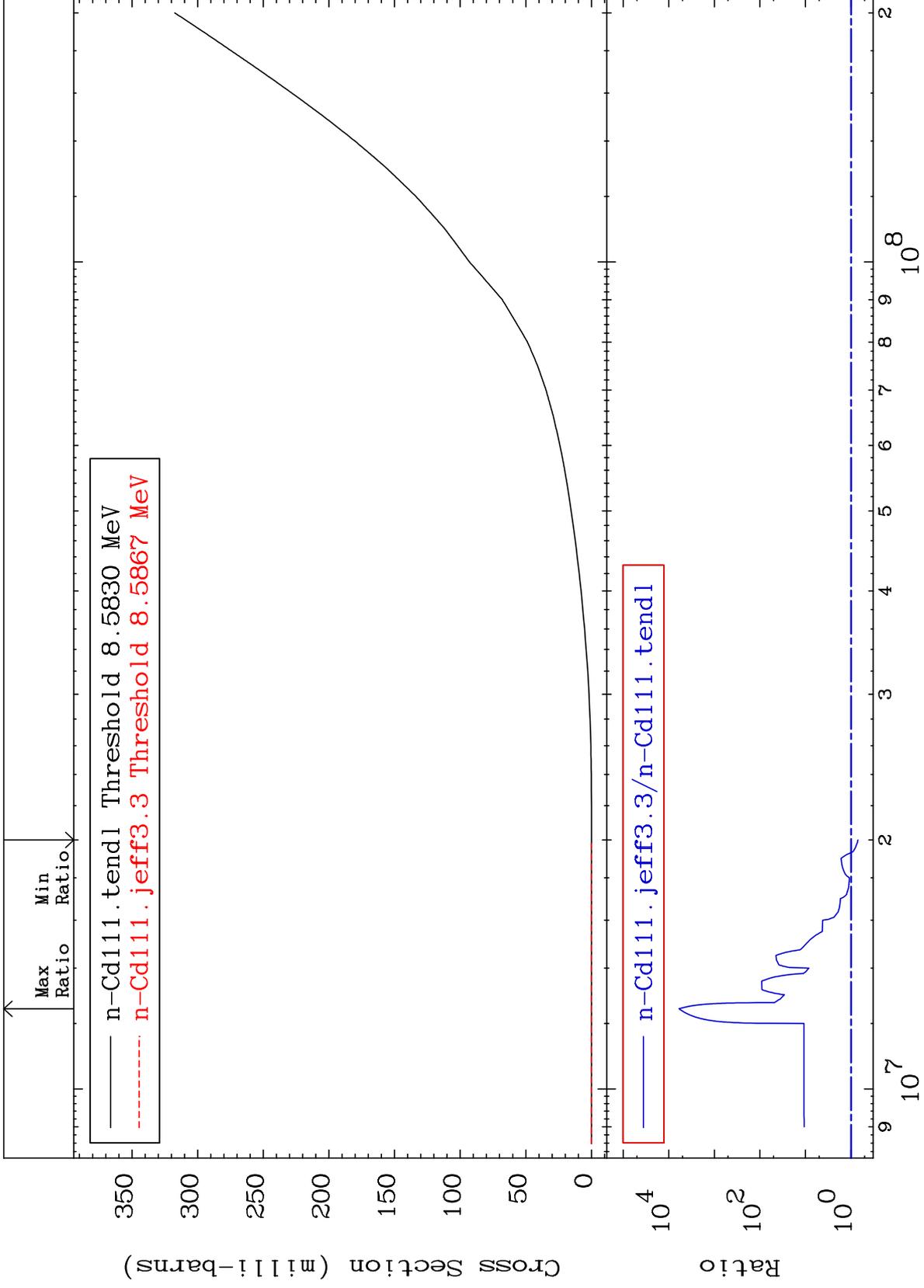
Incident Energy (eV)

48-Cd-111

MAT 4840

He-3 Production
Cross Section

48-Cd-111
-29.71 To 9999. %



31

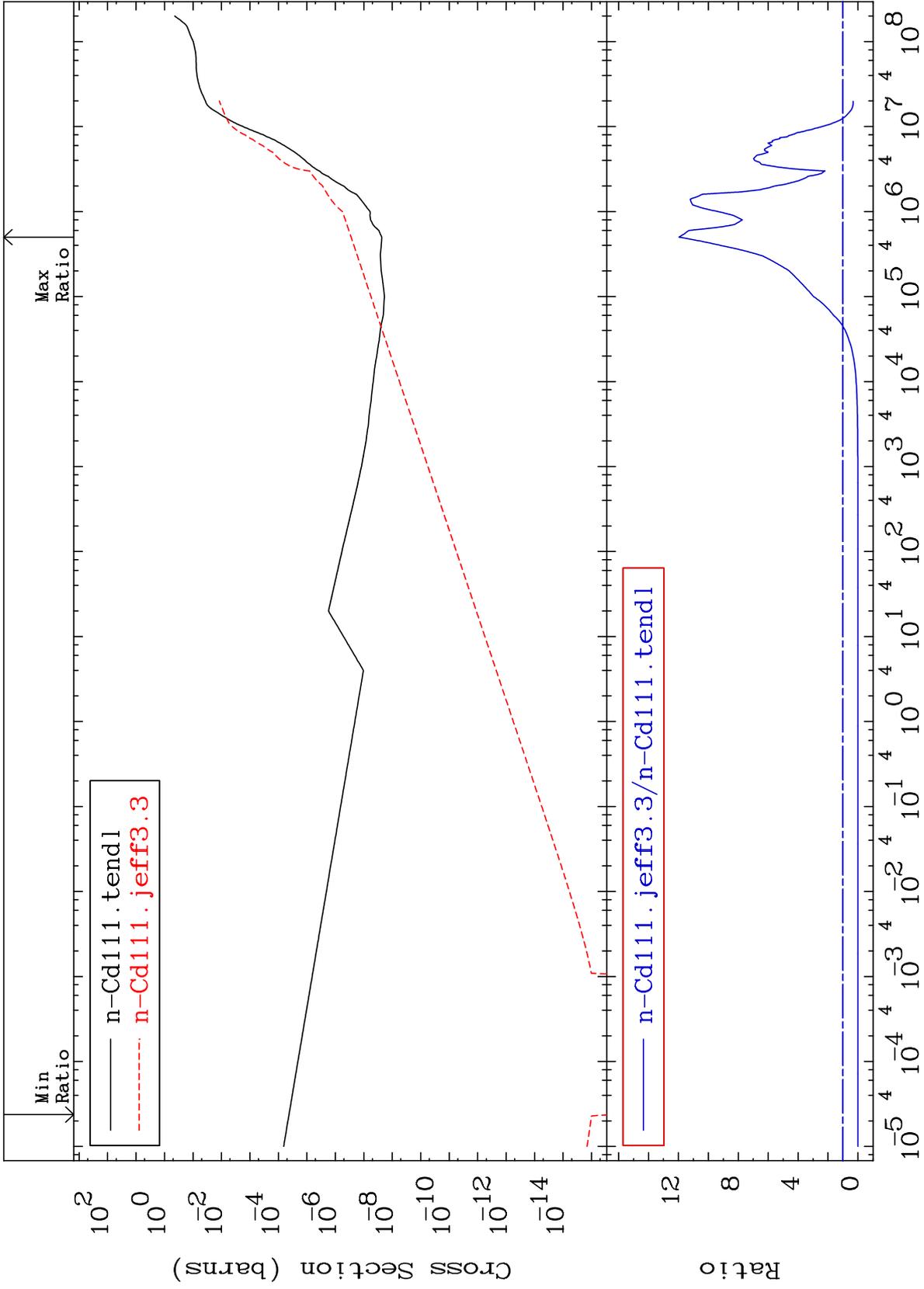
Incident Energy (eV)

48-Cd-111

MAT 4840

He-4 Production
Cross Section

48-Cd-111
-100.0 To 1096. %



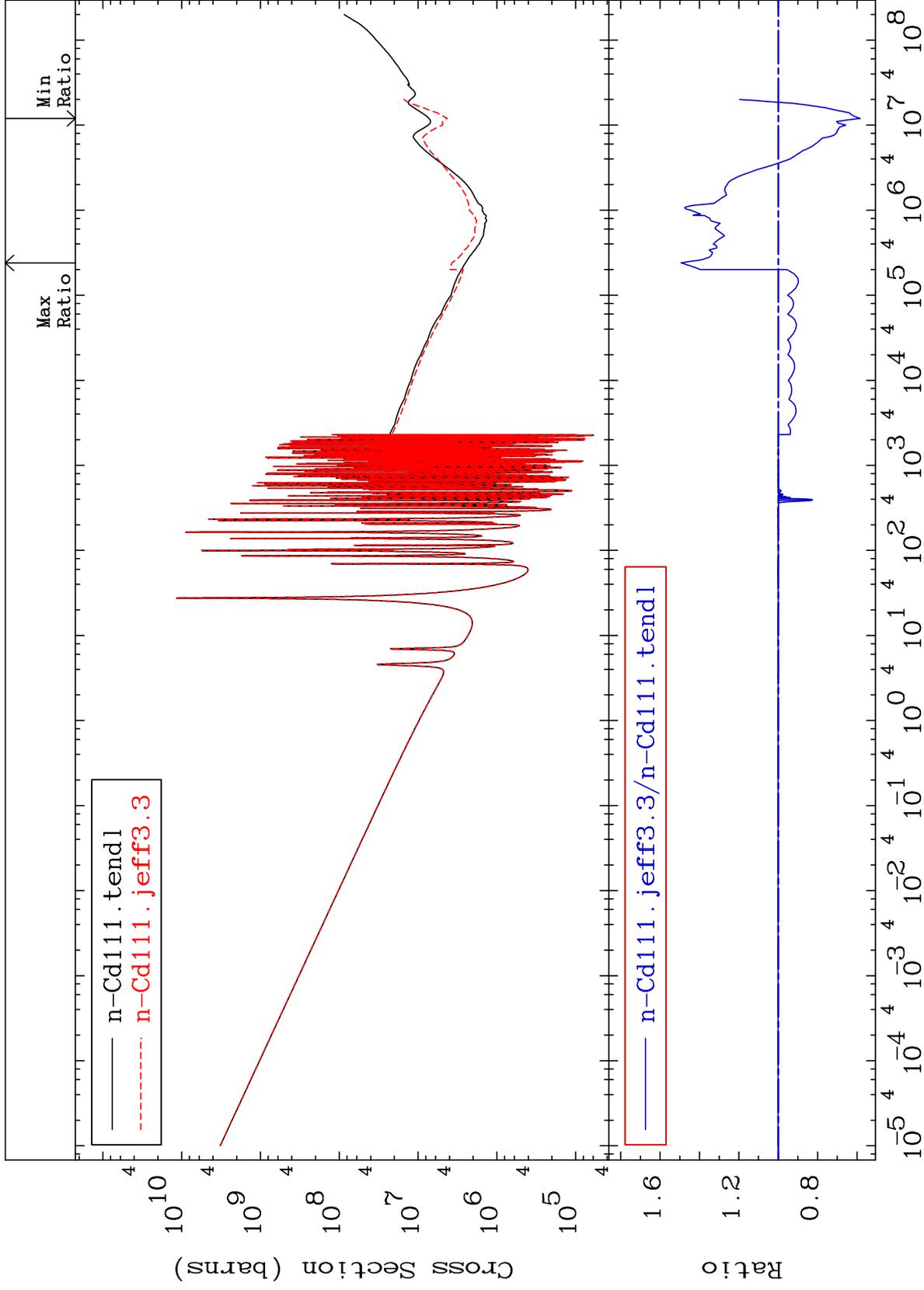
MAT 4840

Kerma total (eV-barns)

48-Cd-111

Cross Section

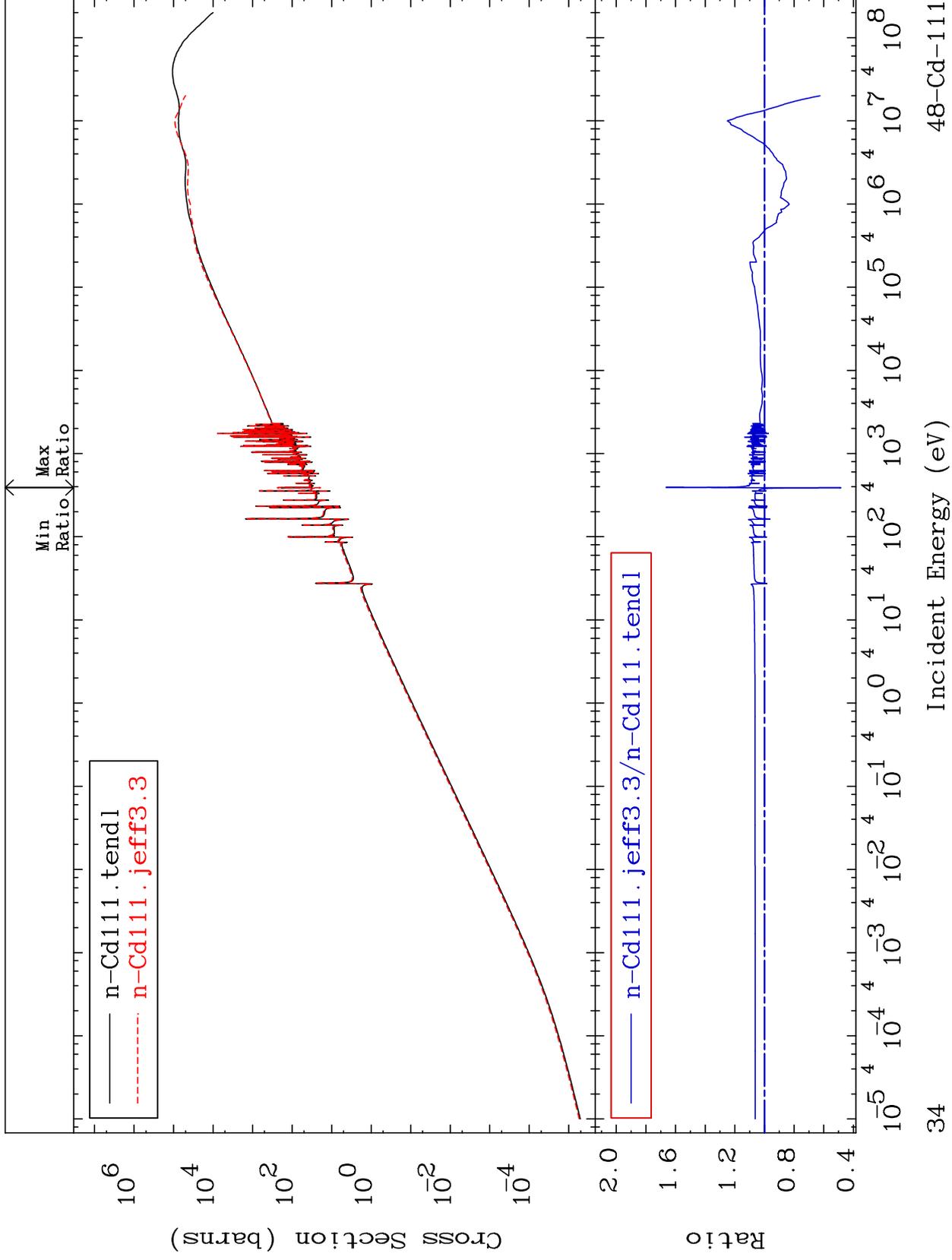
-41.62 To 49.31 %



MAT 4840

Kerma elastic
Cross Section

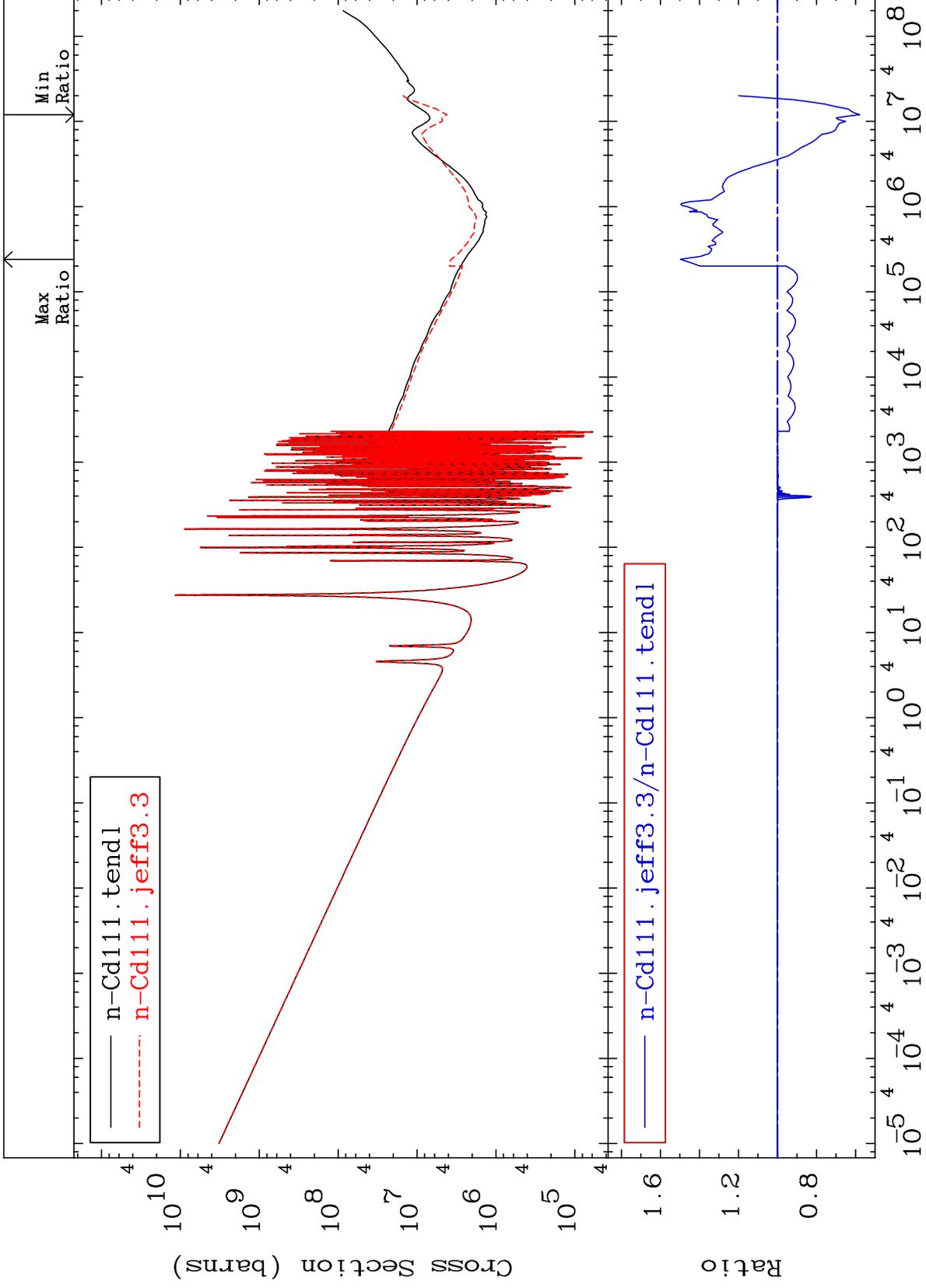
48-Cd-111
-51.63 To 66.47 %

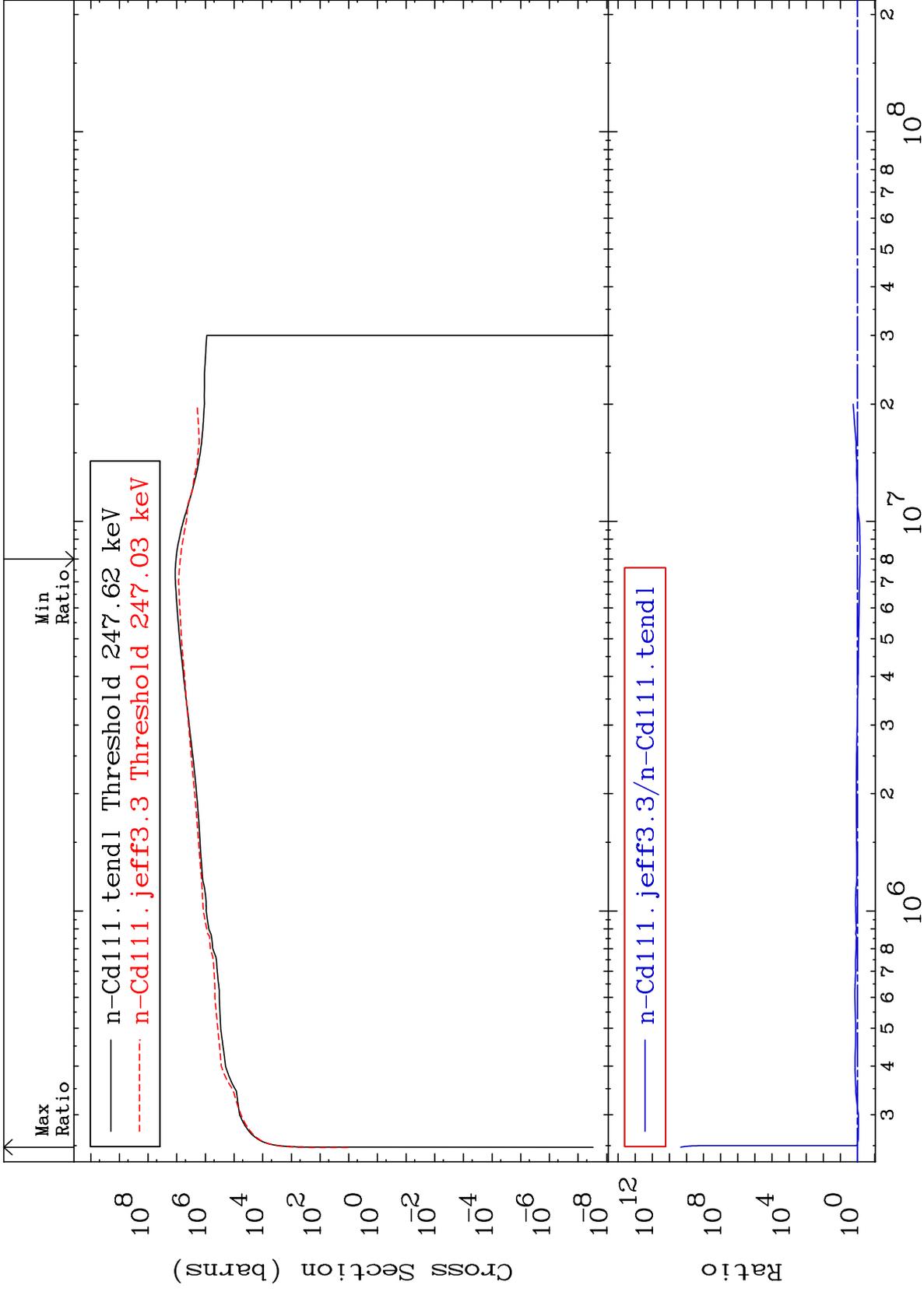


MAT 4840

Kerma non-elastic (all but mt2)
Cross Section

48-Cd-111
-42.15 To 49.68 %

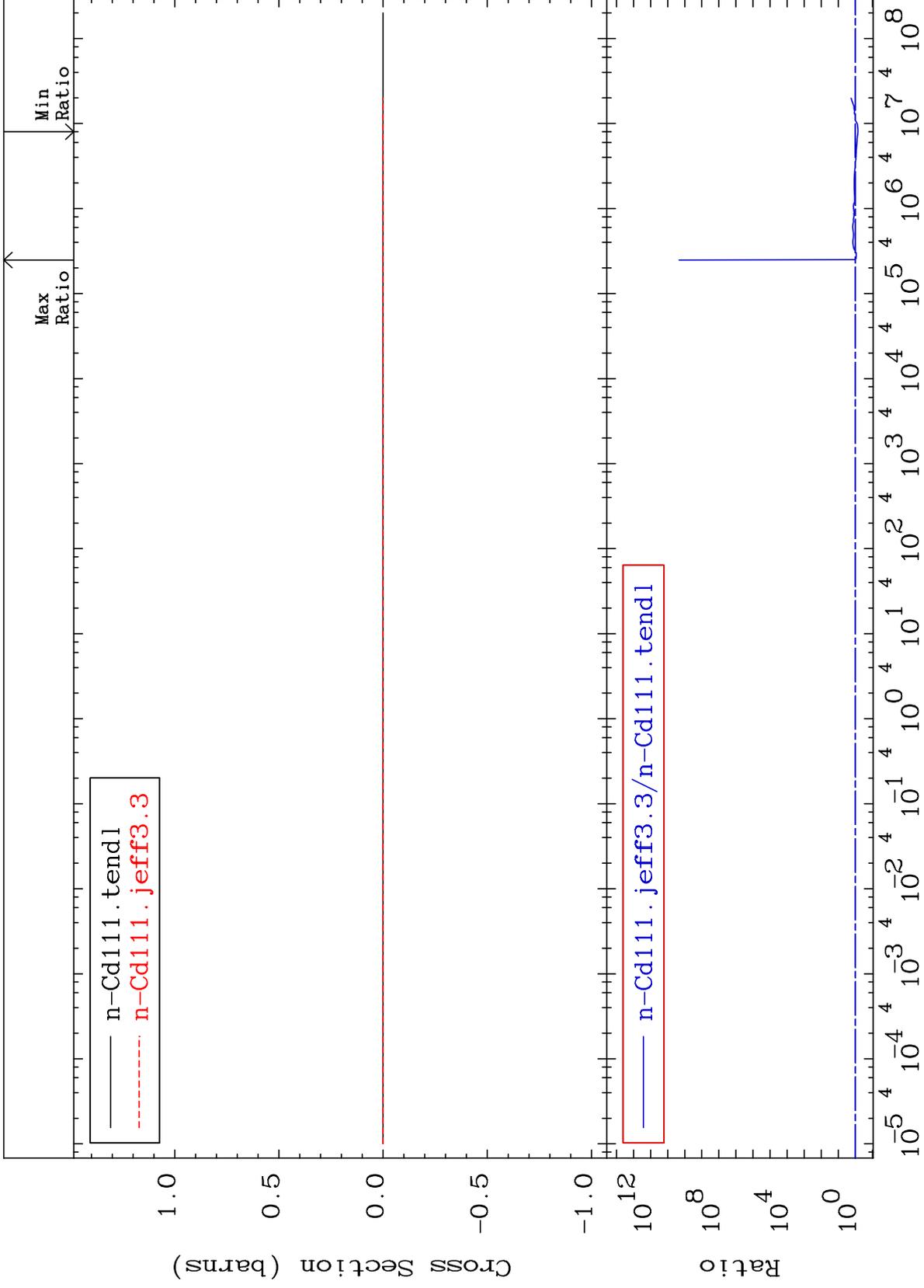




MAT 4840

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

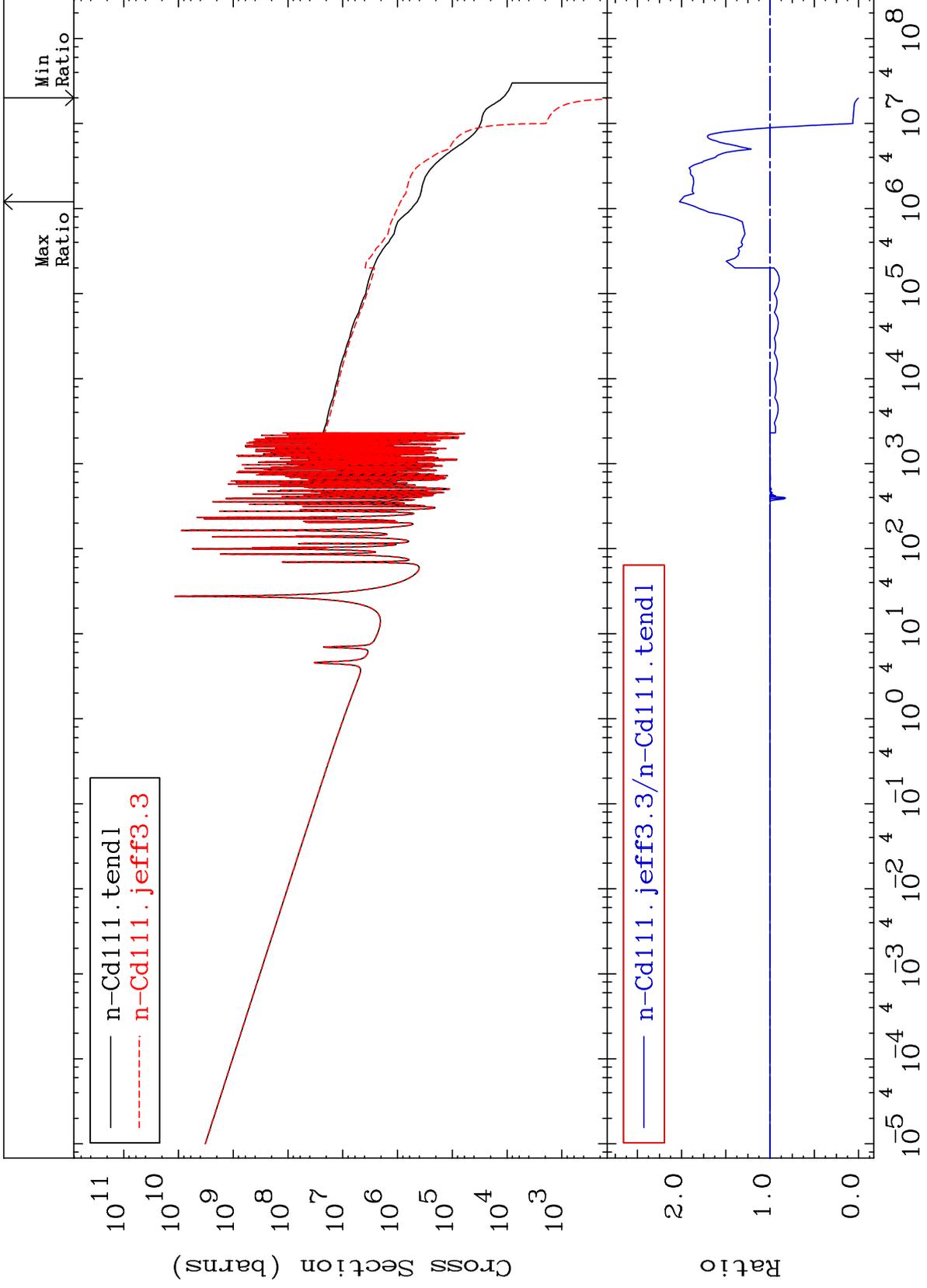
48-Cd-111
-29.43 To 9999. %



MAT 4840

Kerma capture (mt102)
Cross Section

48-Cd-111
-100.0 To 102.3 %



38

Incident Energy (eV)

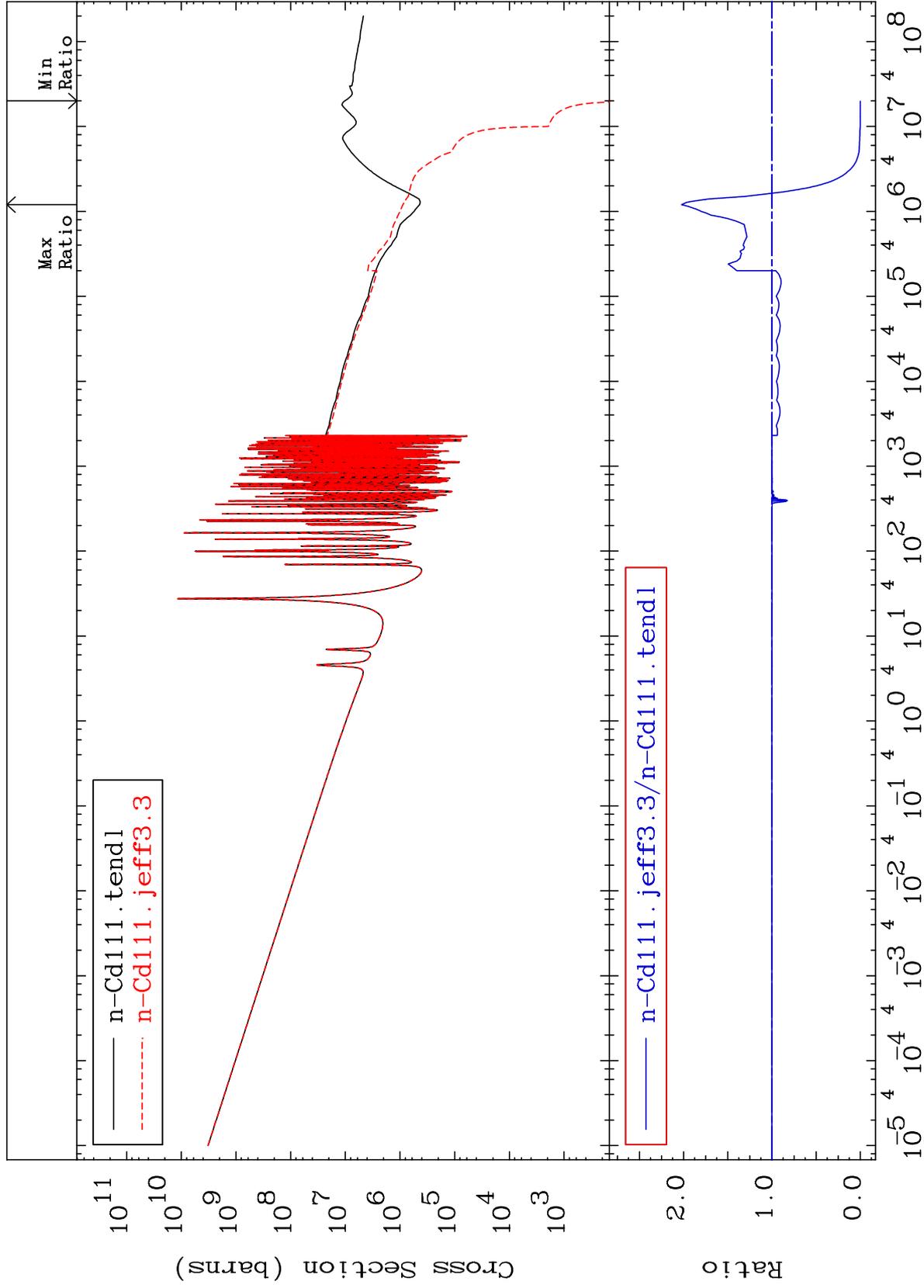
48-Cd-111

MAT 4840

Total photon (eV-barns)
Cross Section

48-Cd-111

-100.0 To 102.3 %



39

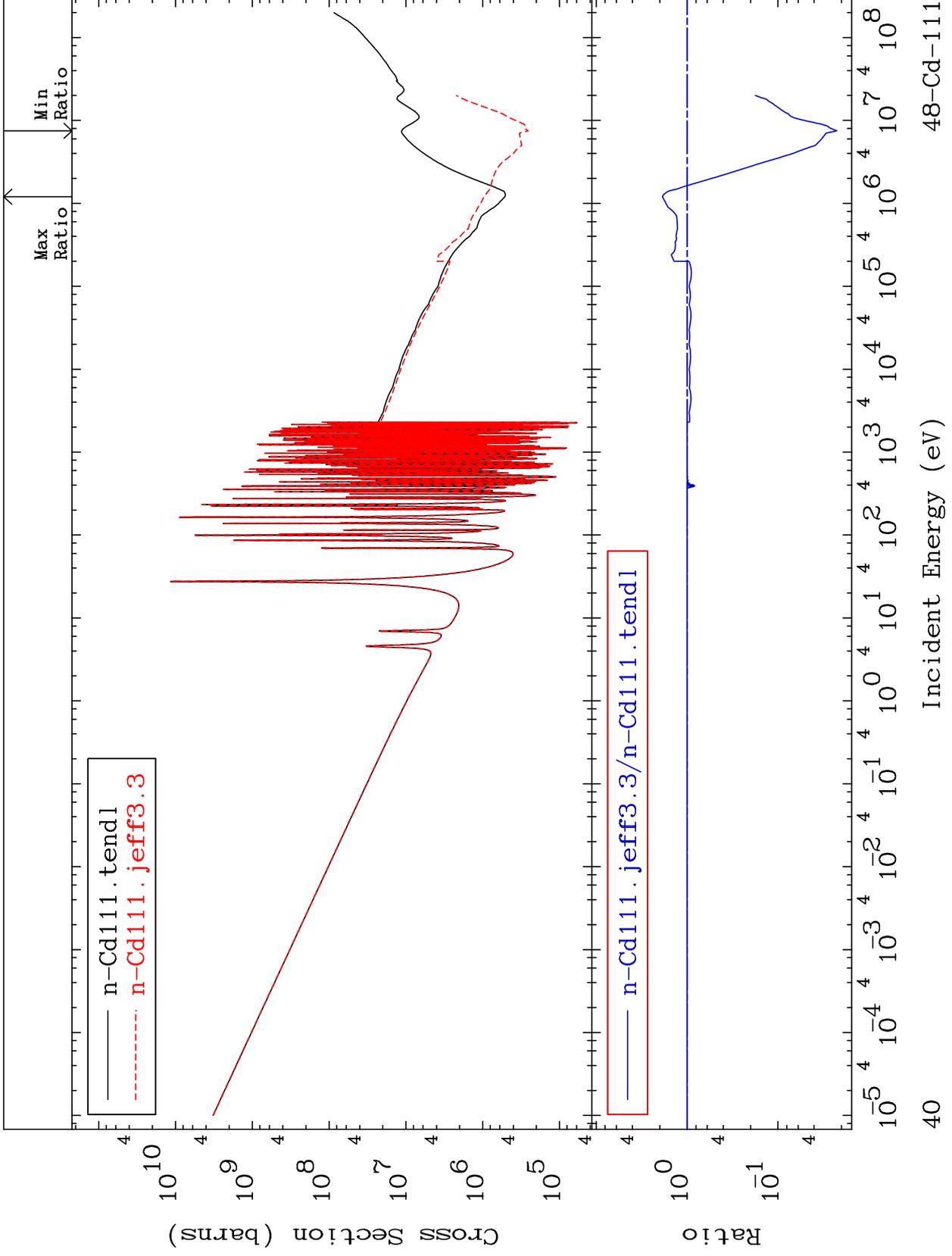
Incident Energy (eV)

48-Cd-111

MAT 4840

Total kinematic kerma (high limit)
Cross Section

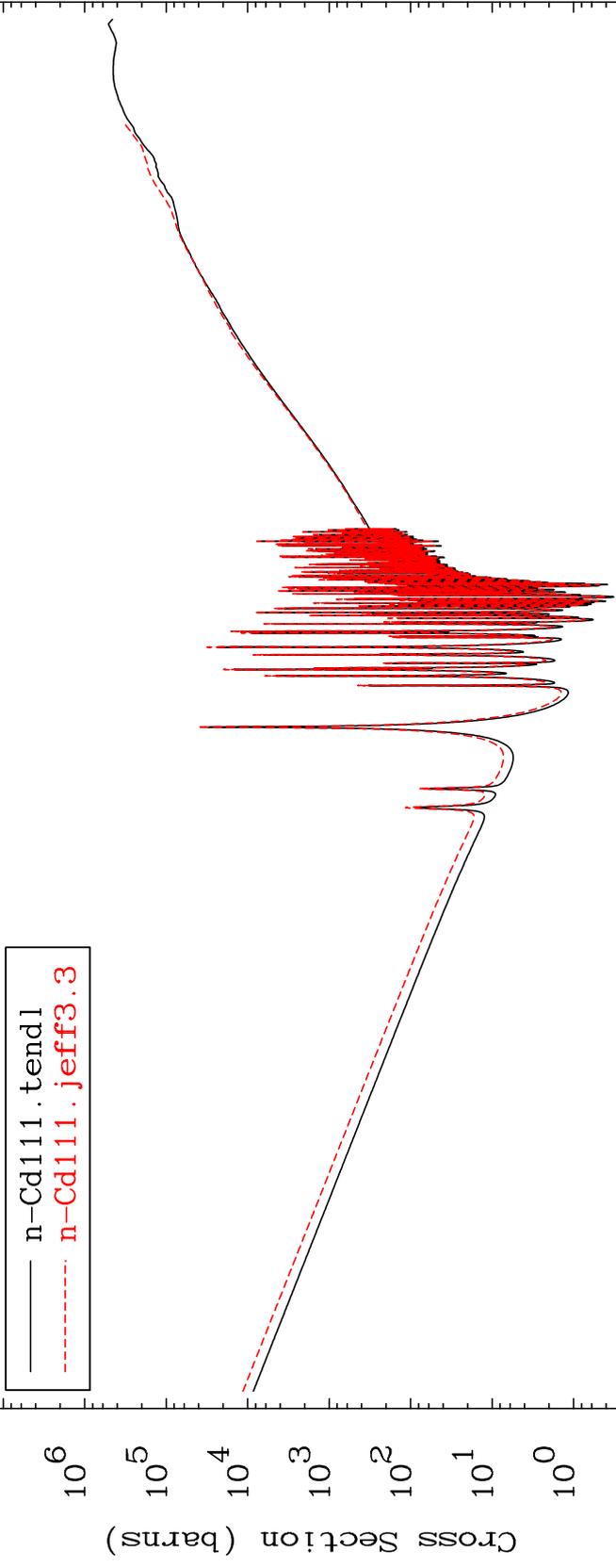
48-Cd-111
-97.75 To 87.40 %



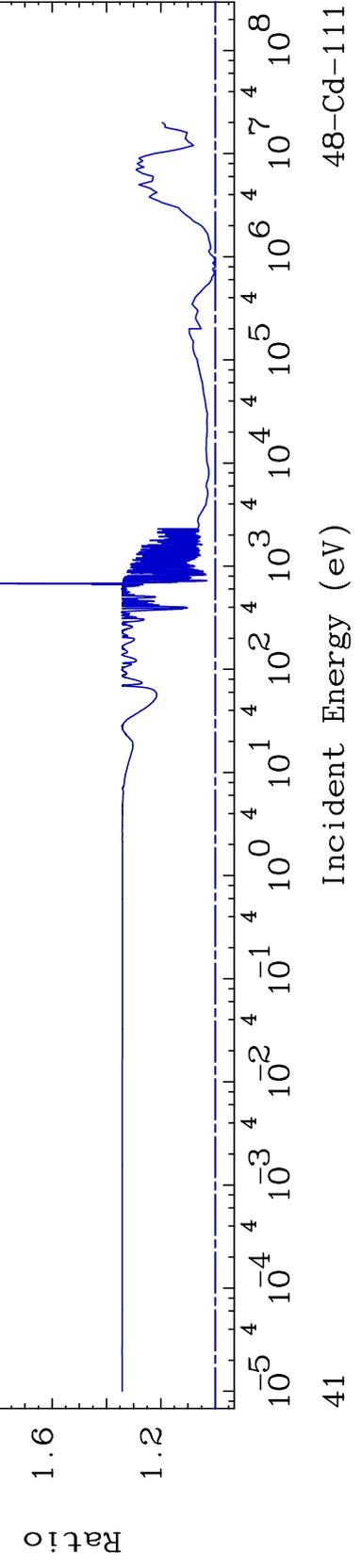
MAT 4840

Dpa total (eV-barns)
Cross Section

48-Cd-111
-0.230 To 79.70 %



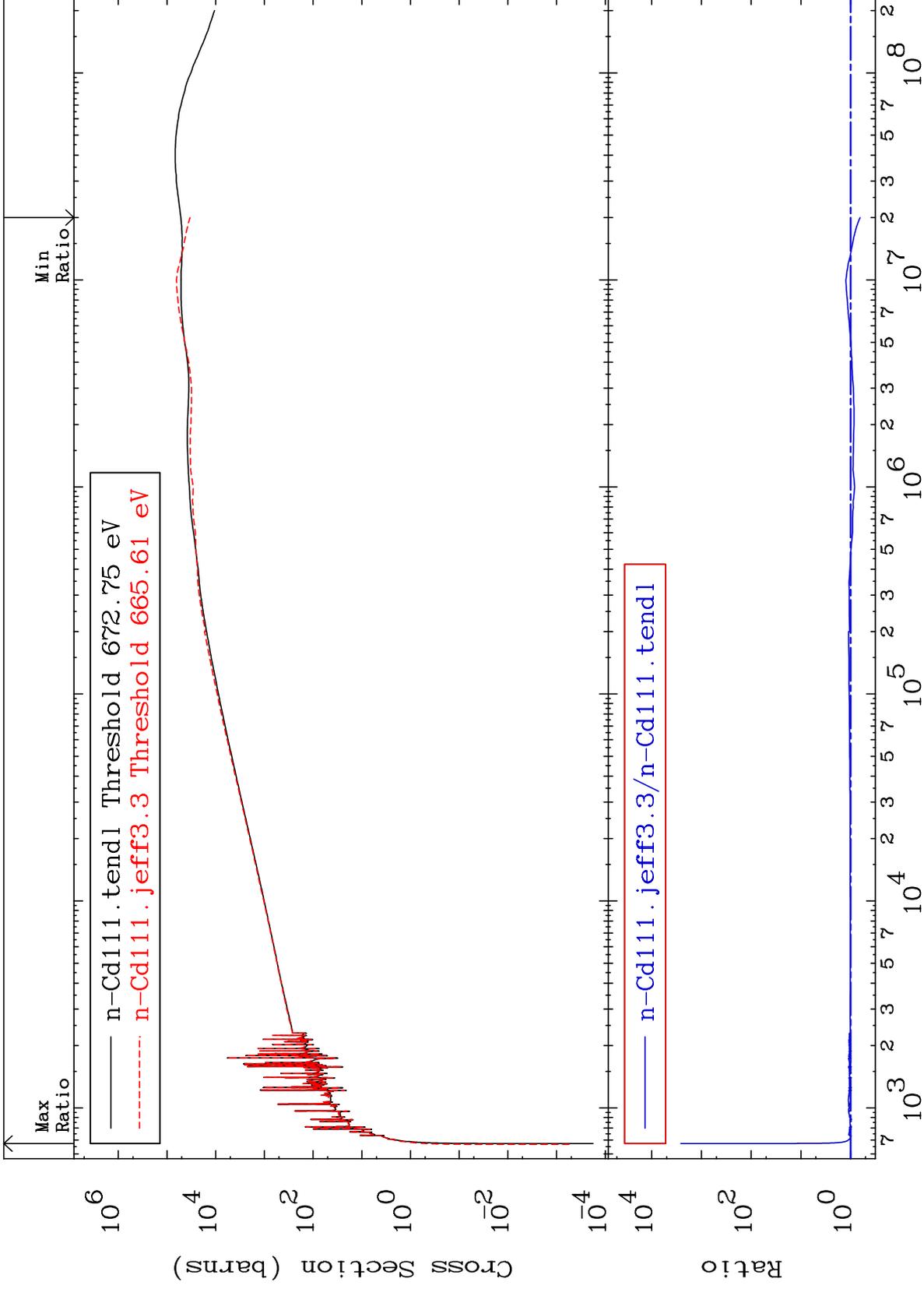
n-Cd111.jeff3.3/n-Cd111.tendl

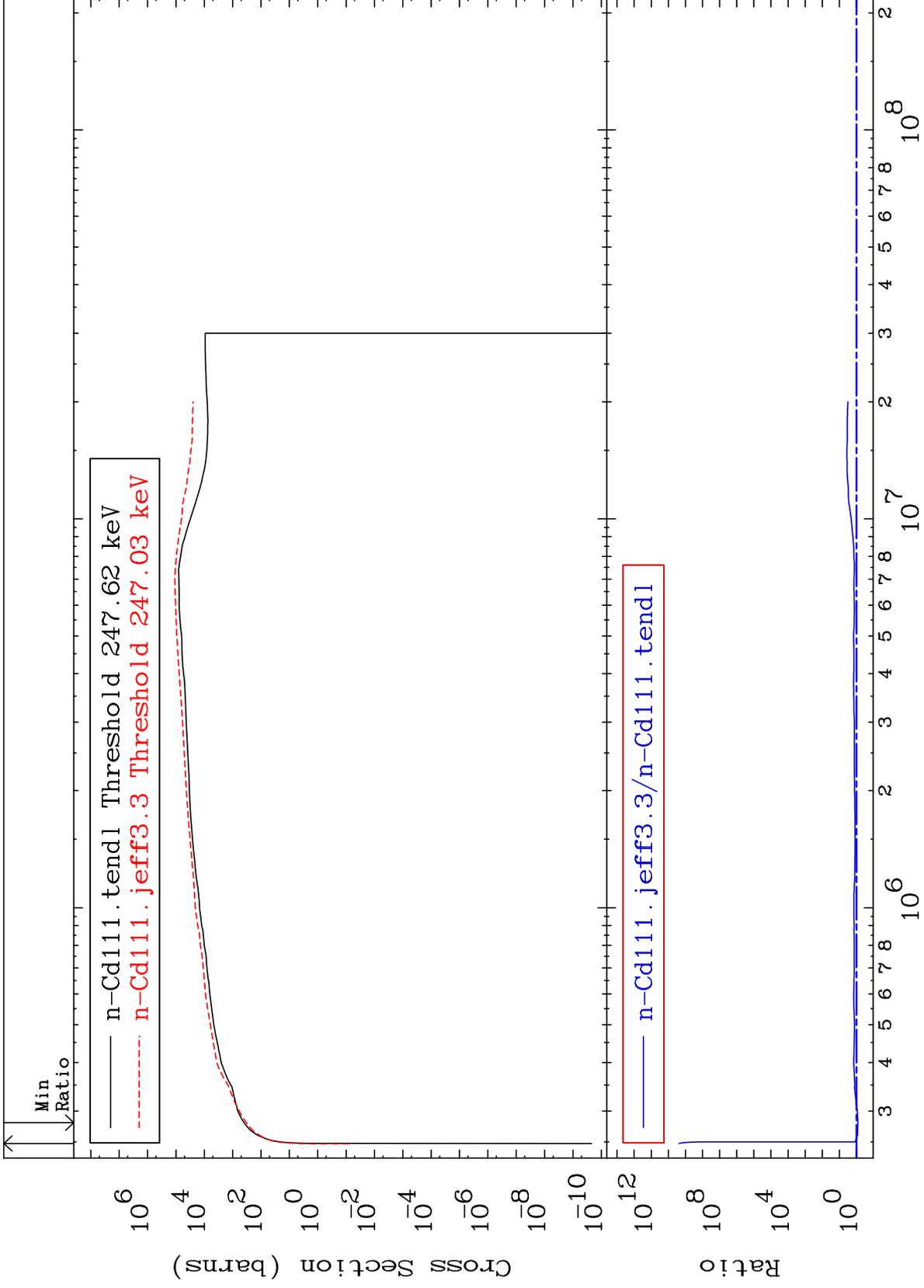


MAT 4840

Dpa elastic (mt2)
Cross Section

48-Cd-111
-35.42 To 9999. %





MAT 4840

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-111
-9.498 To 300.6 %

