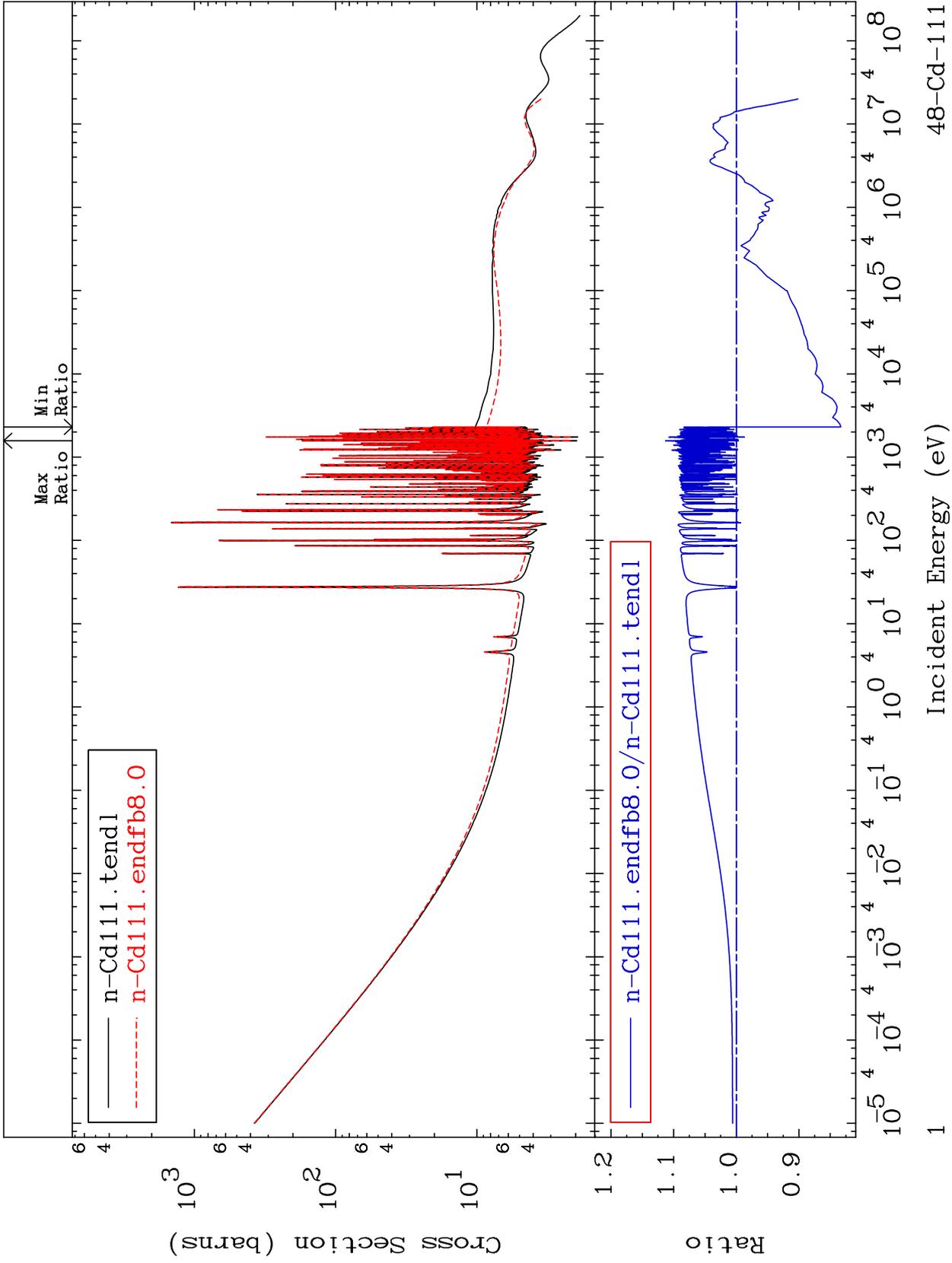


MAT 4840

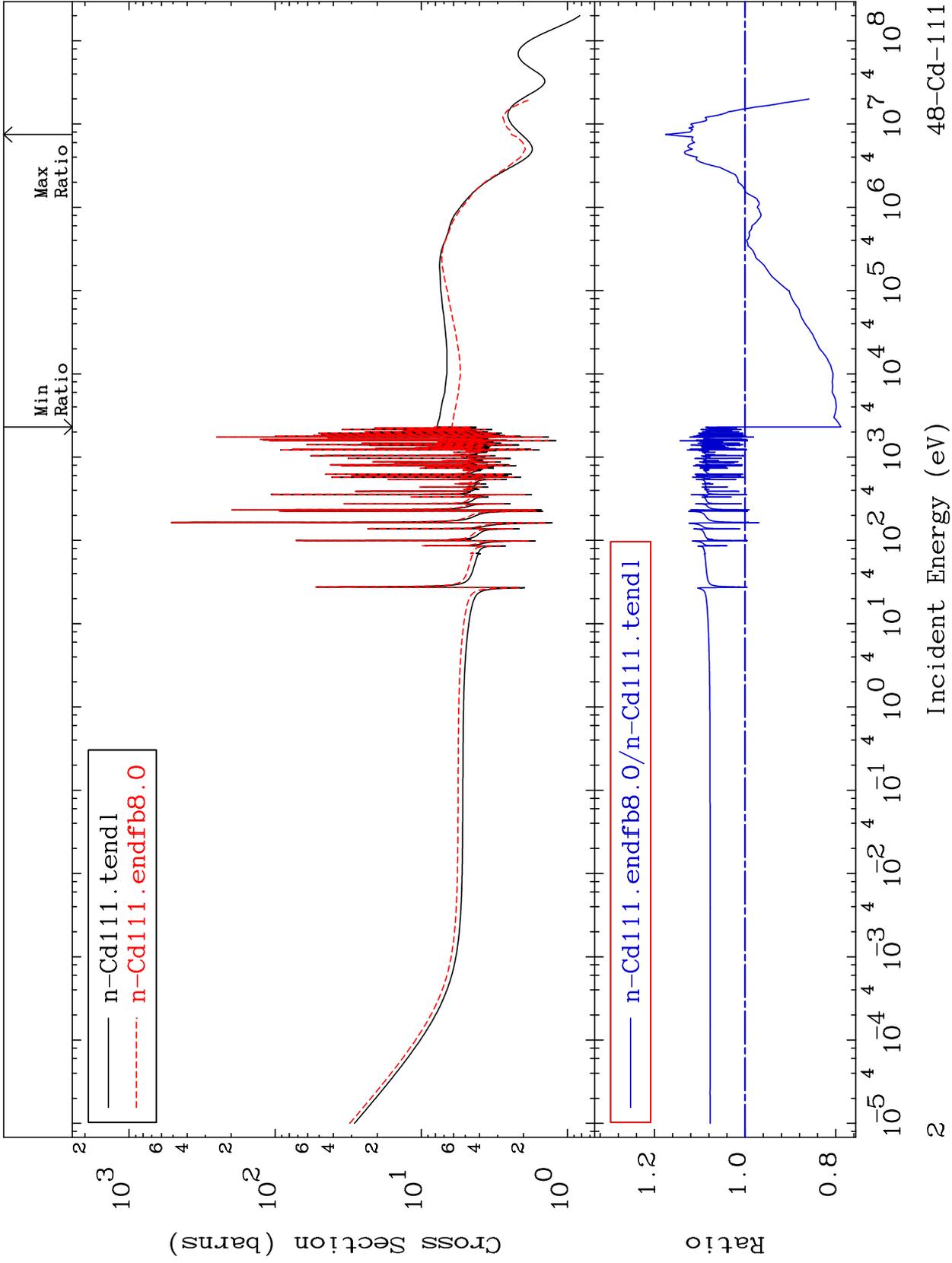
Total Cross Section
48-Cd-111
-16.68 To 11.30 %



MAT 4840

Elastic
Cross Section

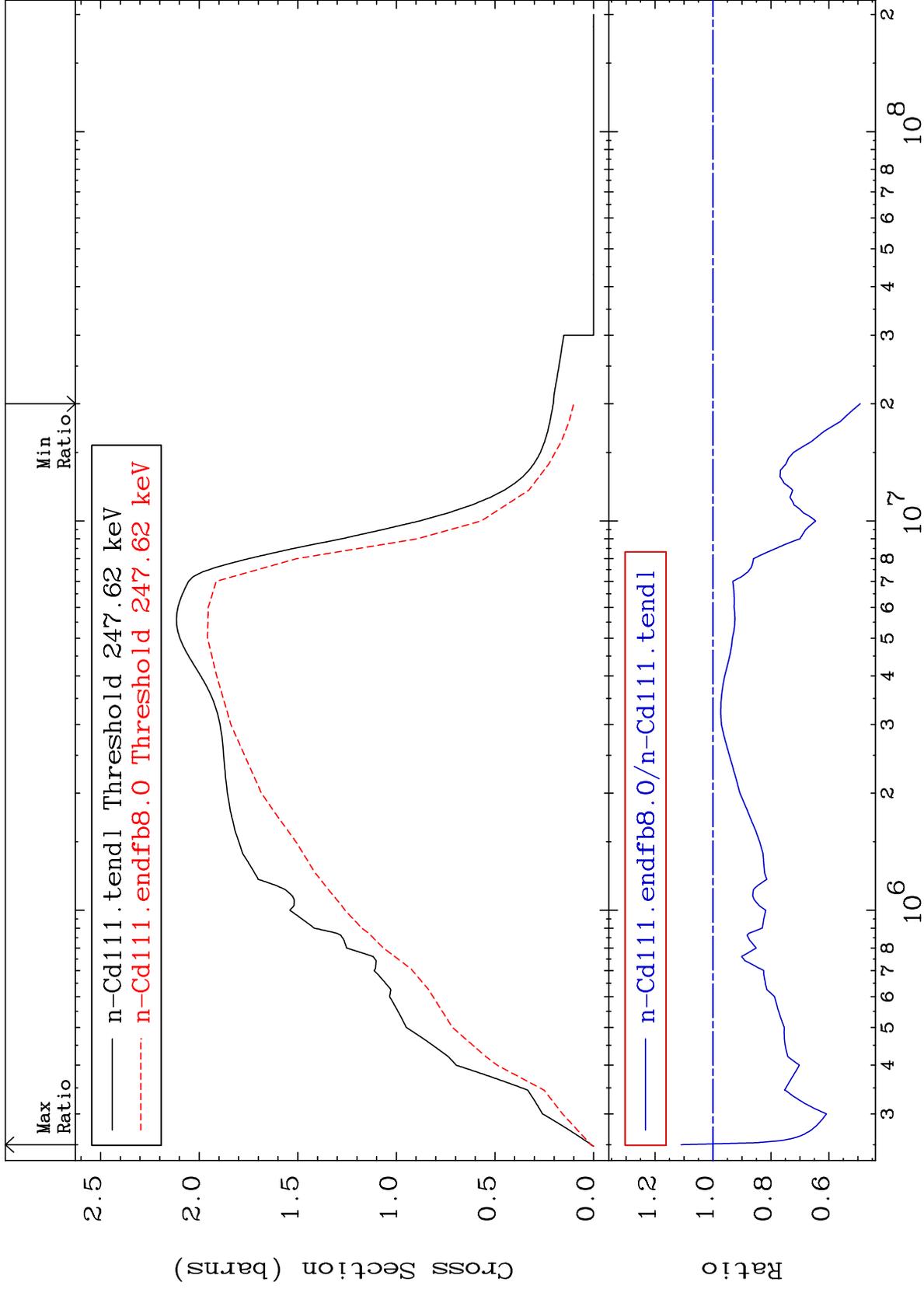
48-Cd-111
-21.12 To 17.57 %



MAT 4840

Inelastic
Cross Section

48-Cd-111
-50.81 To 10.98 %



3

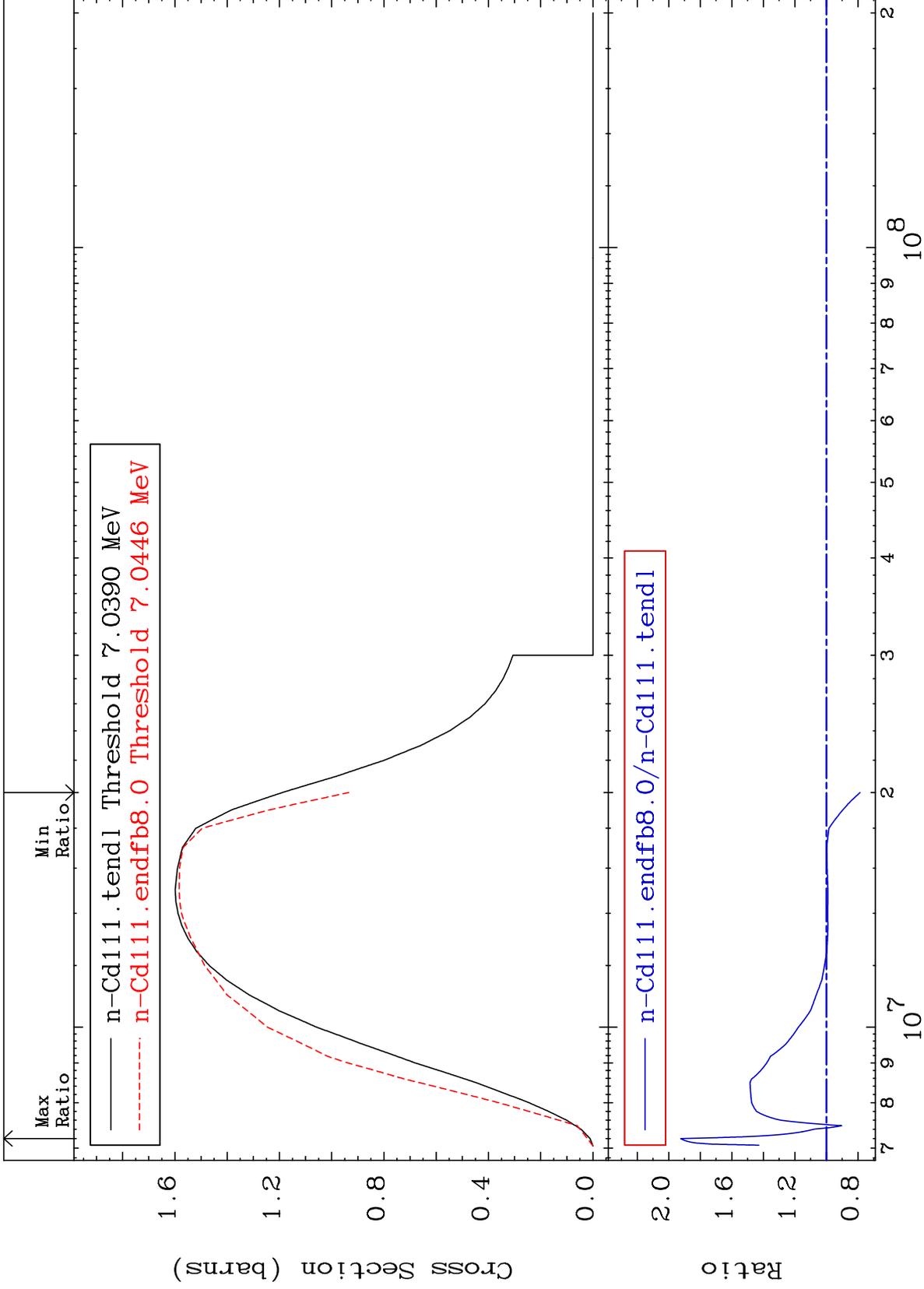
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,2n)
Cross Section

48-Cd-111
-21.36 To 92.37 %



4

Incident Energy (eV)

48-Cd-111

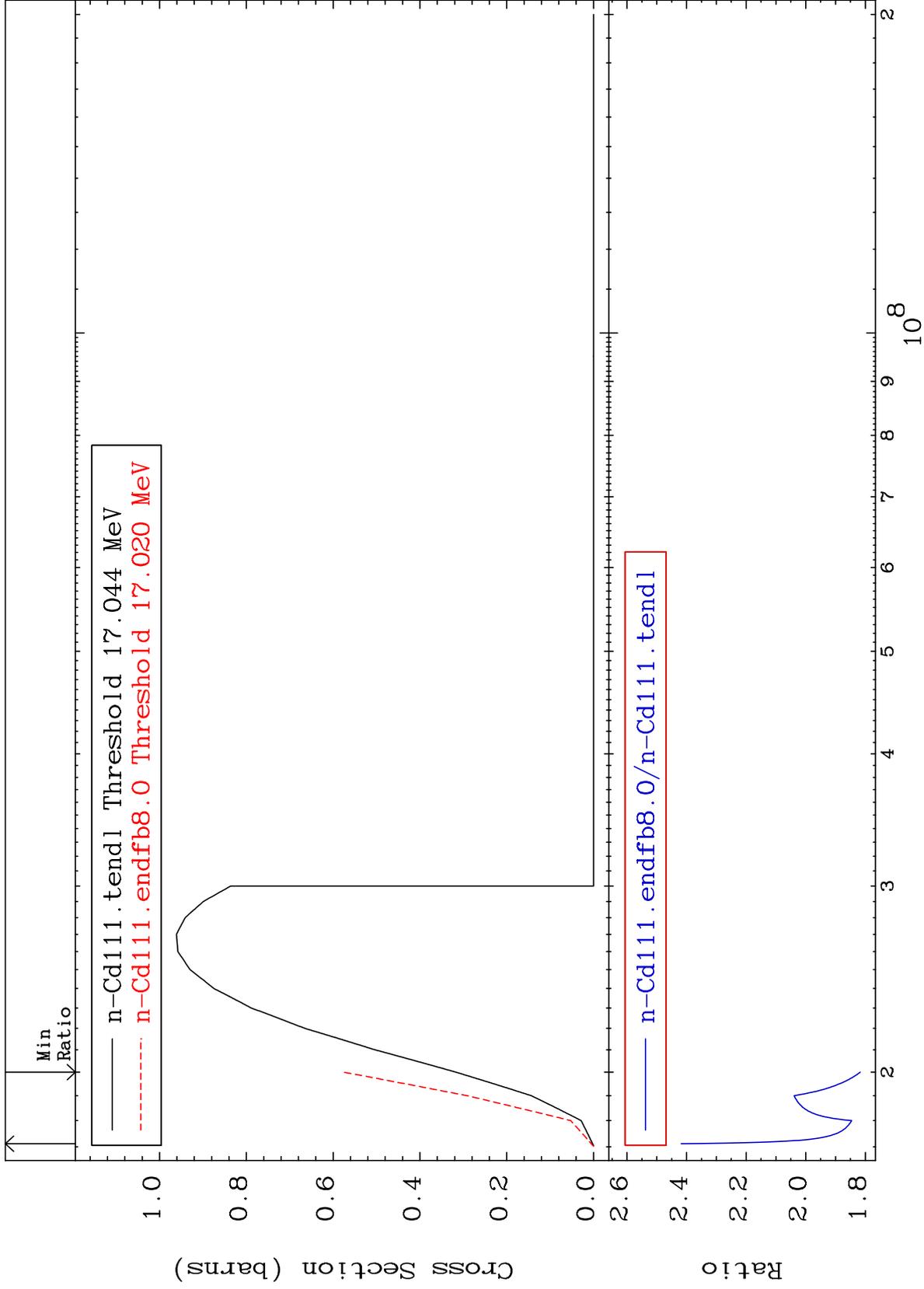
MAT 4840

(n,3n)

48-Cd-111

Cross Section

81.73 To 141.8 %



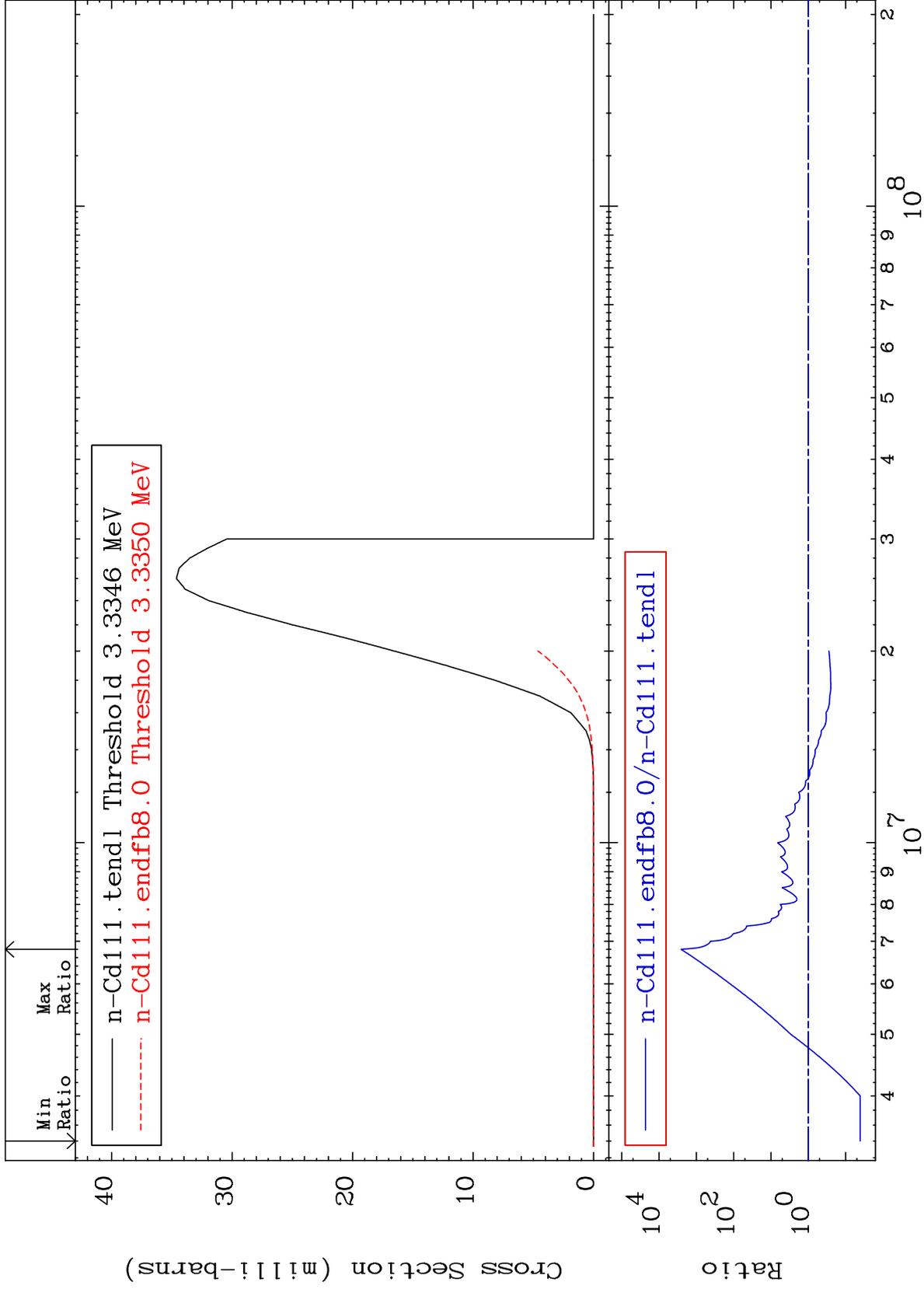
MAT 4840

(n, n') α

48-Cd-111

Cross Section

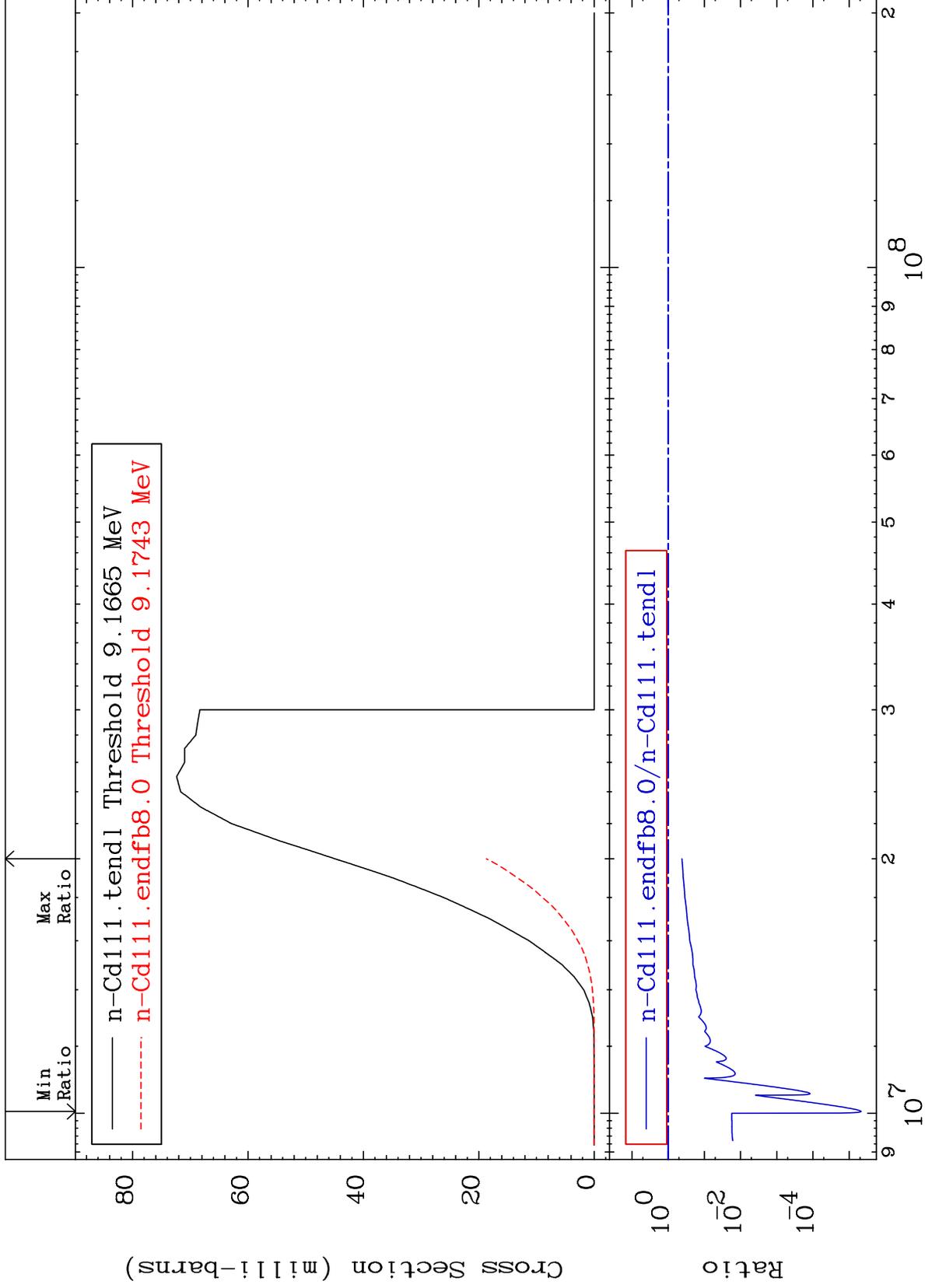
-95.94 To 9999. %



MAT 4840

(n,n') p
Cross Section

48-Cd-111
-100.0 To -58.44%



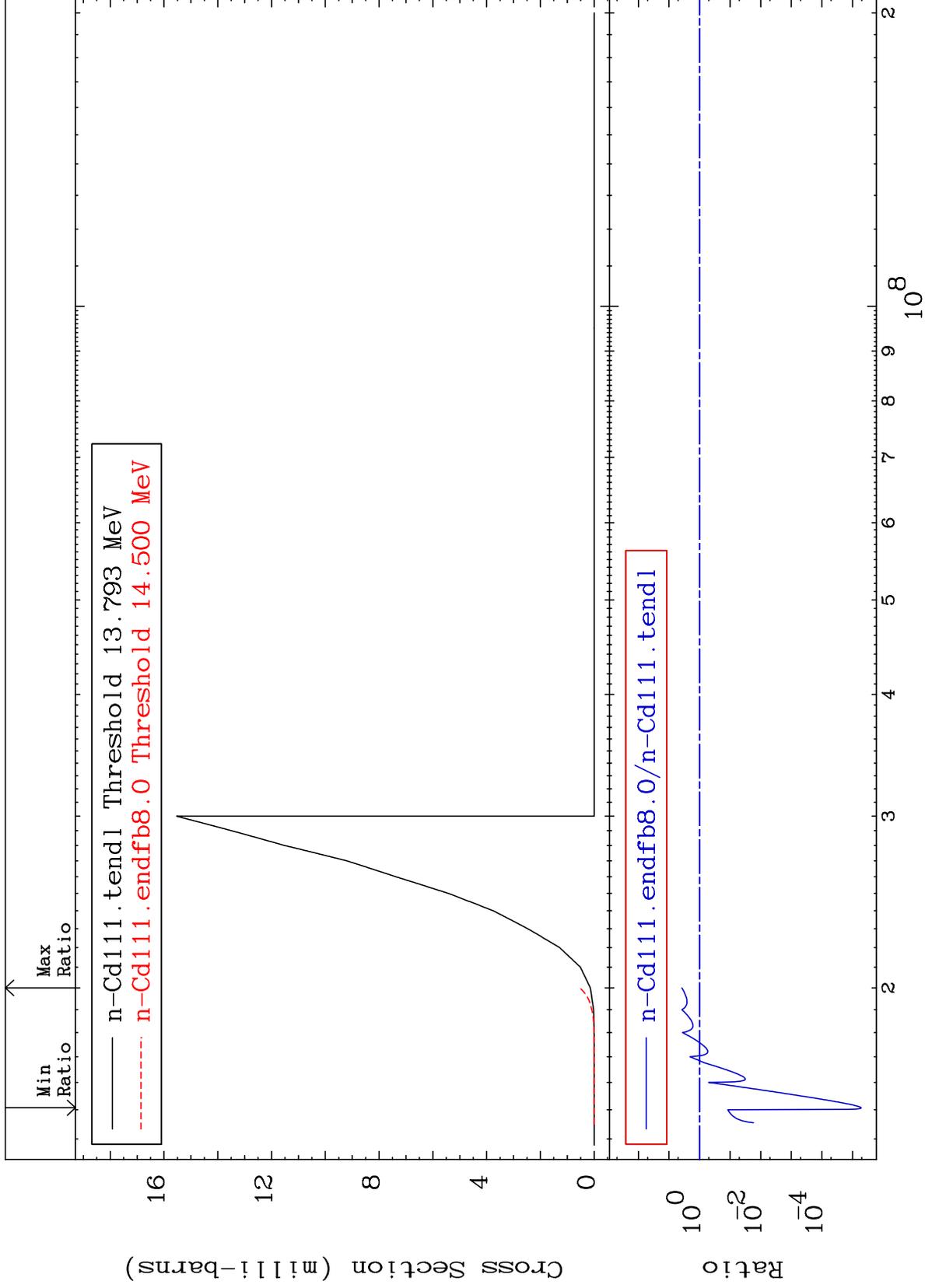
48-Cd-111

48-Cd-111

MAT 4840

(n,n') d
Cross Section

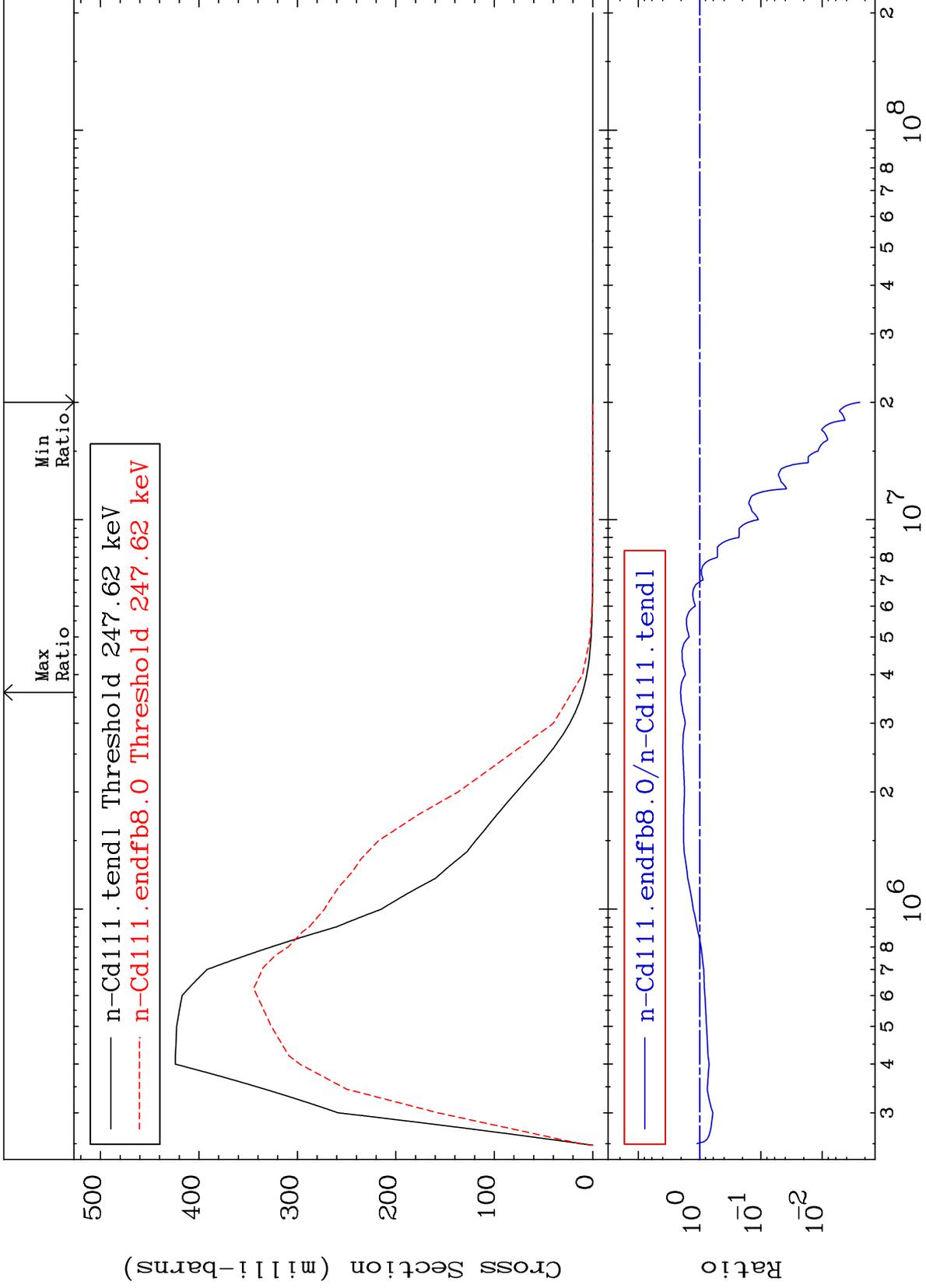
48-Cd-111
-100.0 To 278.0 %



MAT 4840

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

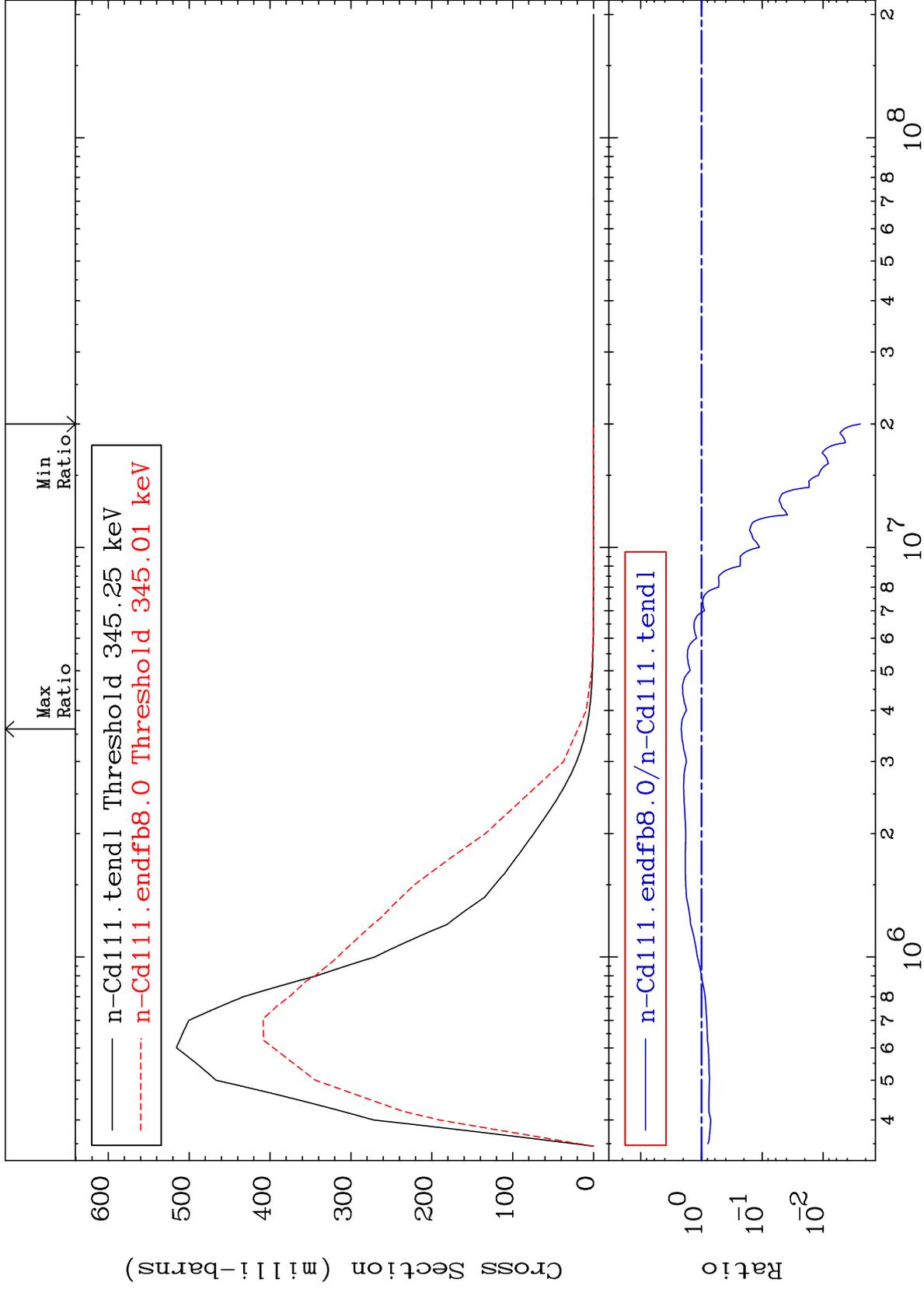
48-Cd-111
-99.76 To 105.1 %



MAT 4840

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

48-Cd-111
-99.76 To 115.8 %



10

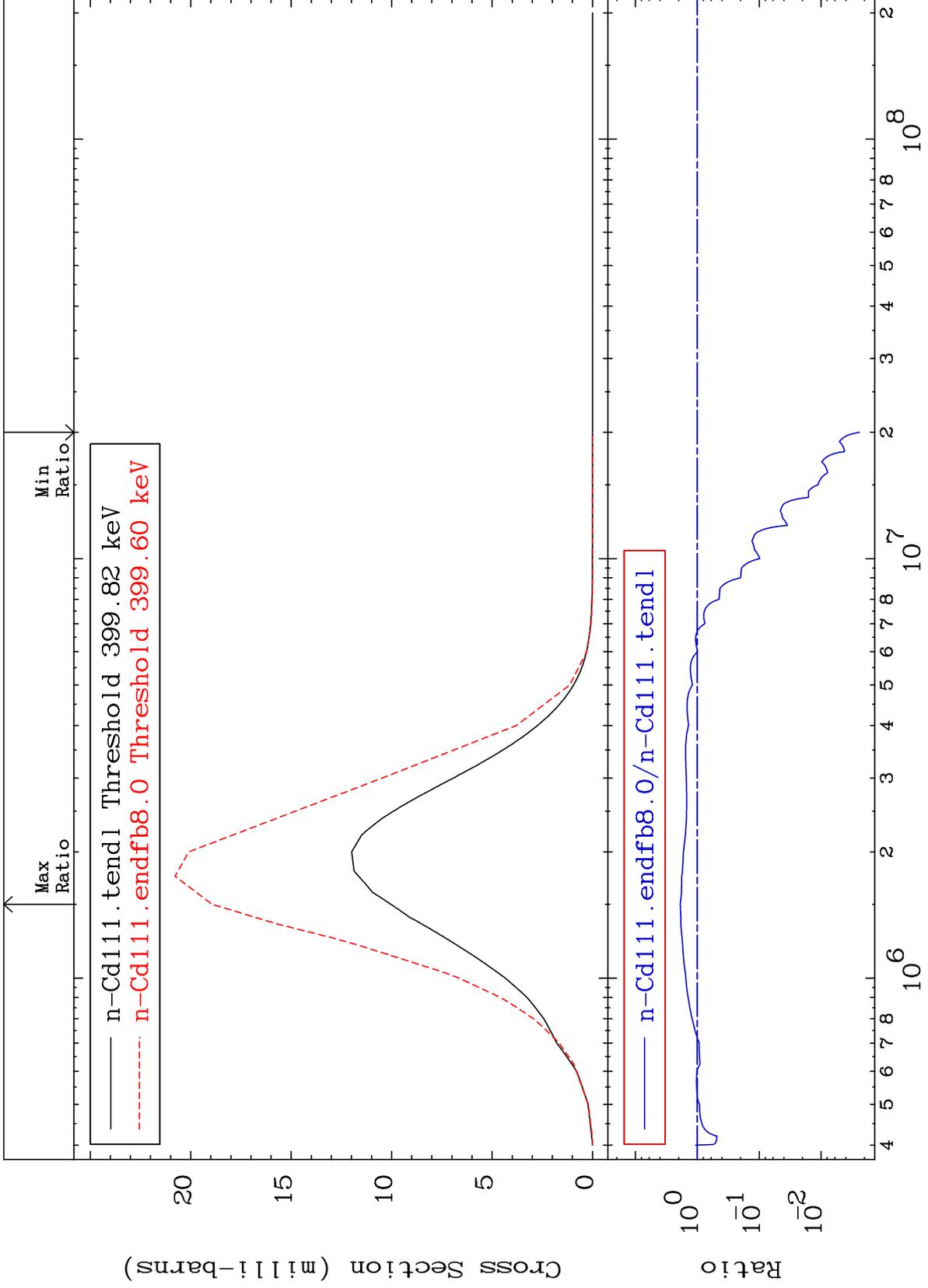
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.76 To 88.69 %



11

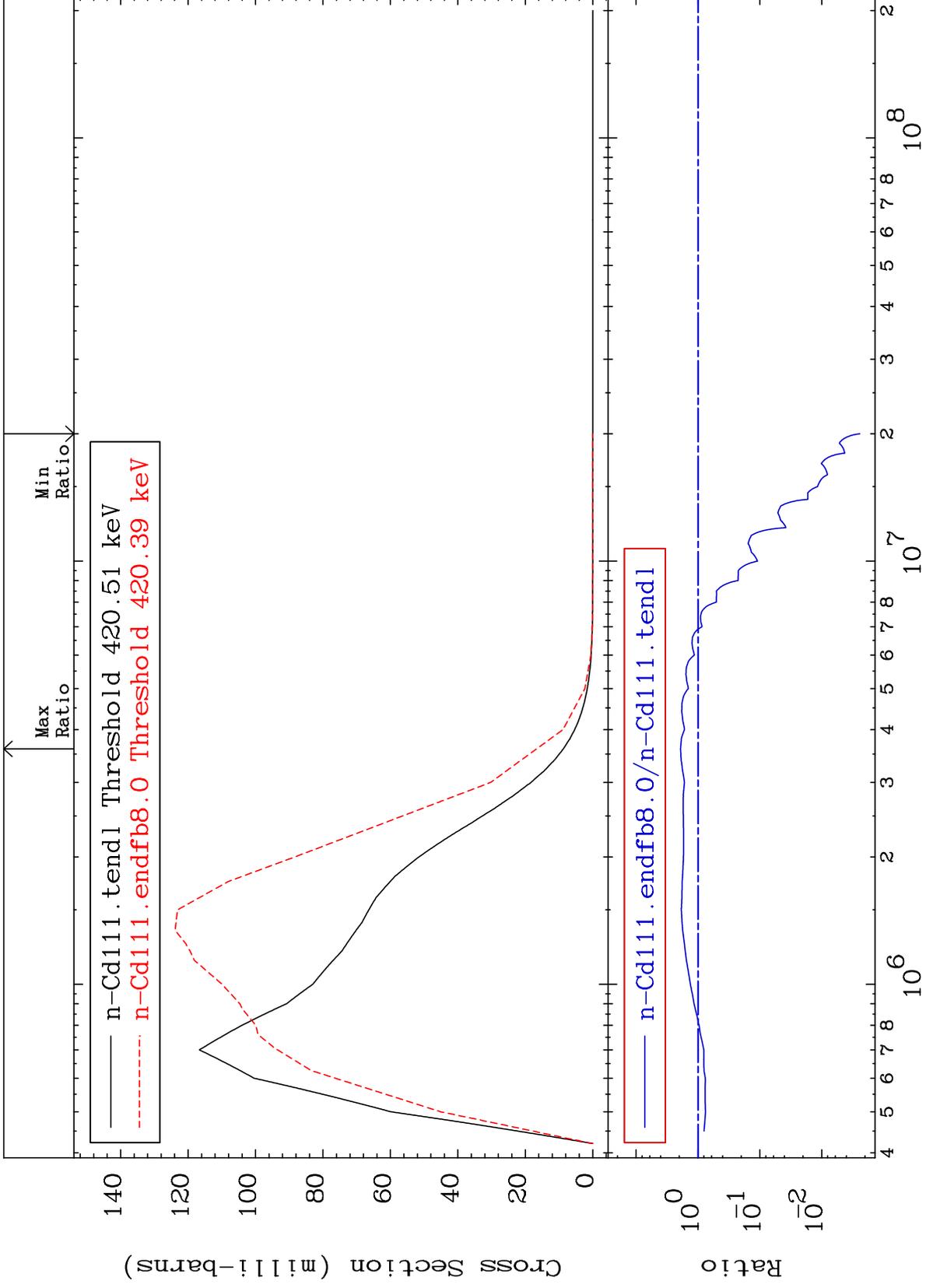
48-Cd-111

48-Cd-111

MAT 4840

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

48-Cd-111
-99.76 To 91.19 %



12

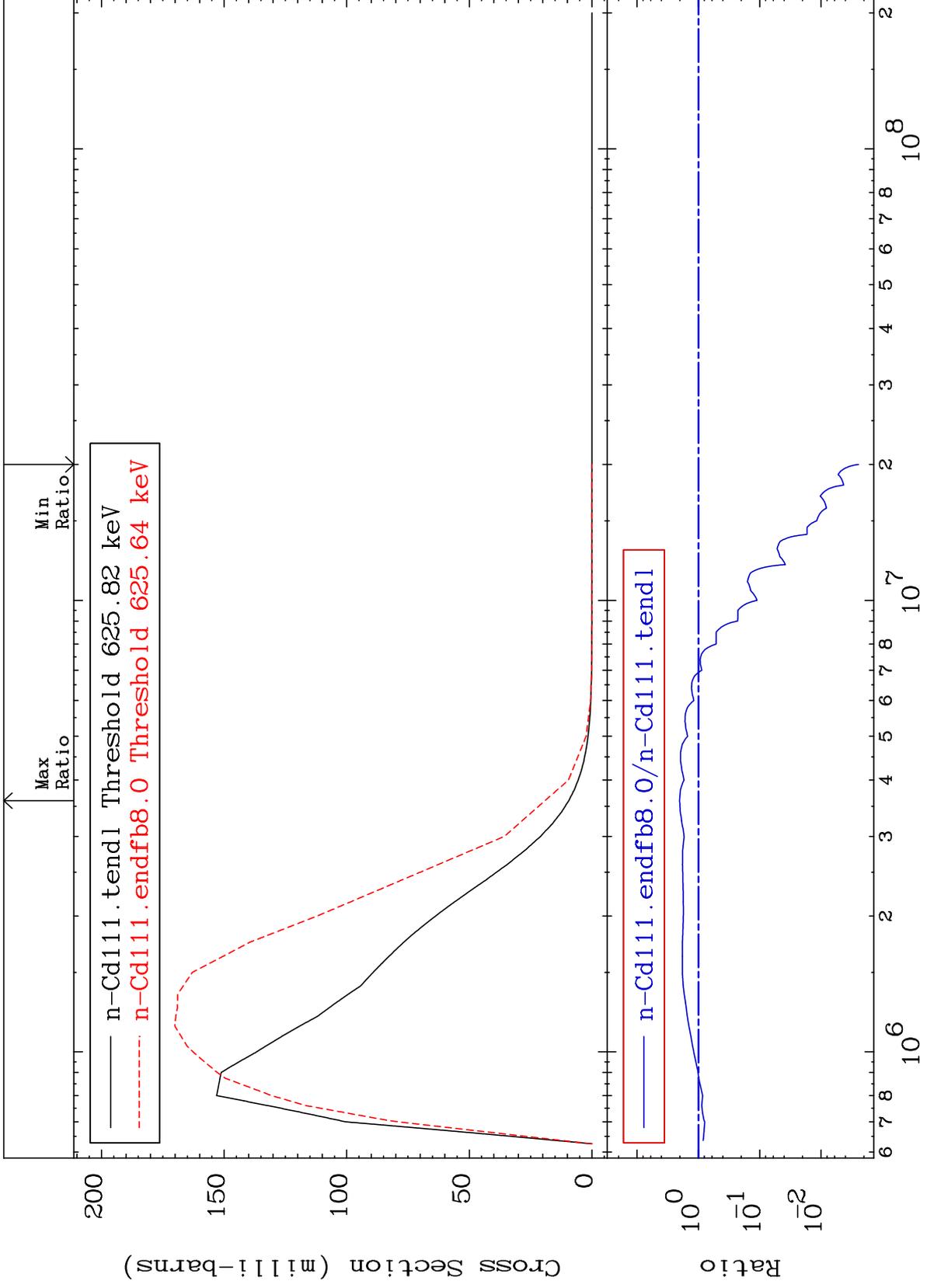
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.76 To 102.7 %



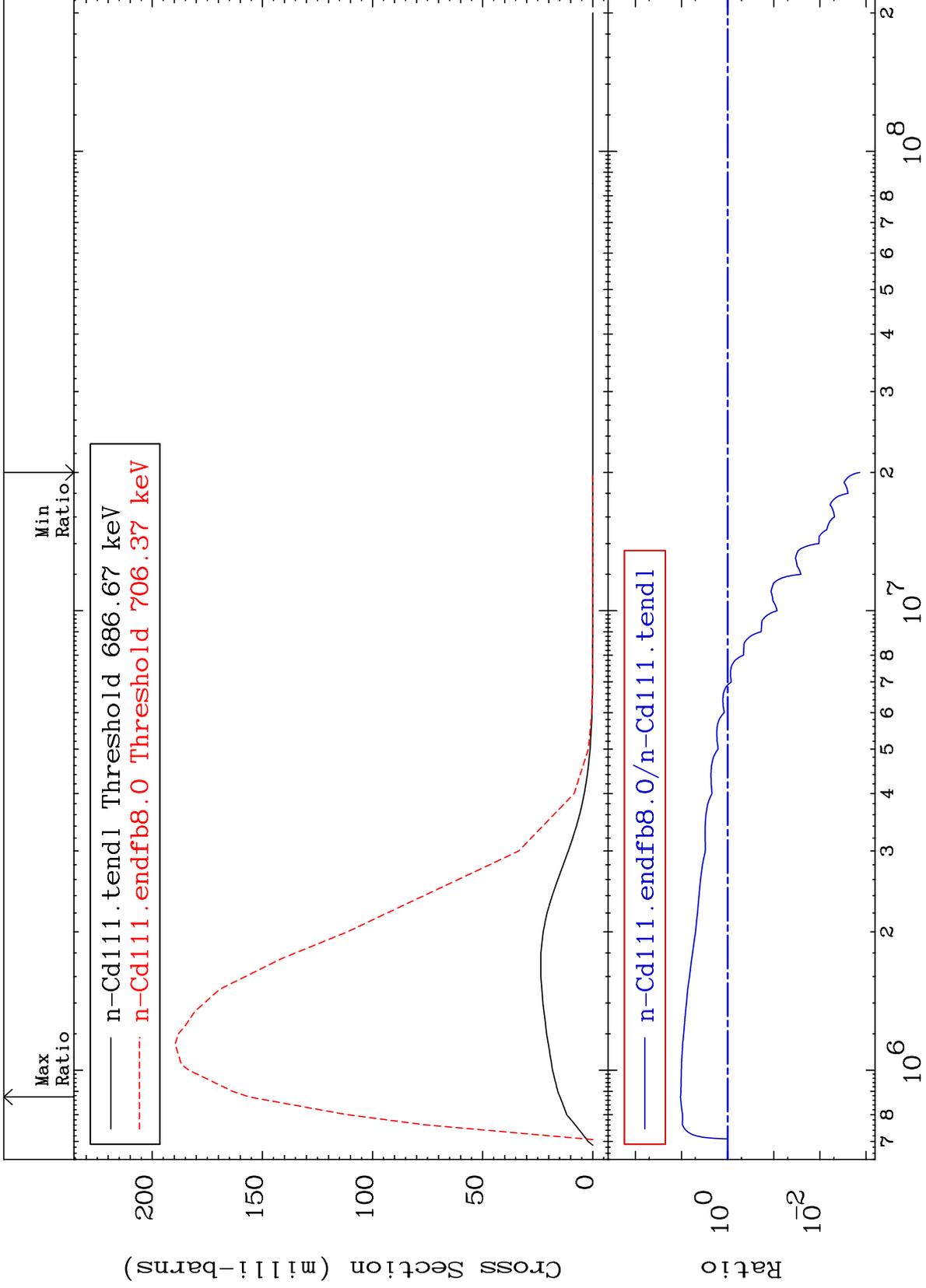
13

48-Cd-111

MAT 4840

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

48-Cd-111
-99.86 To 948.8 %



14

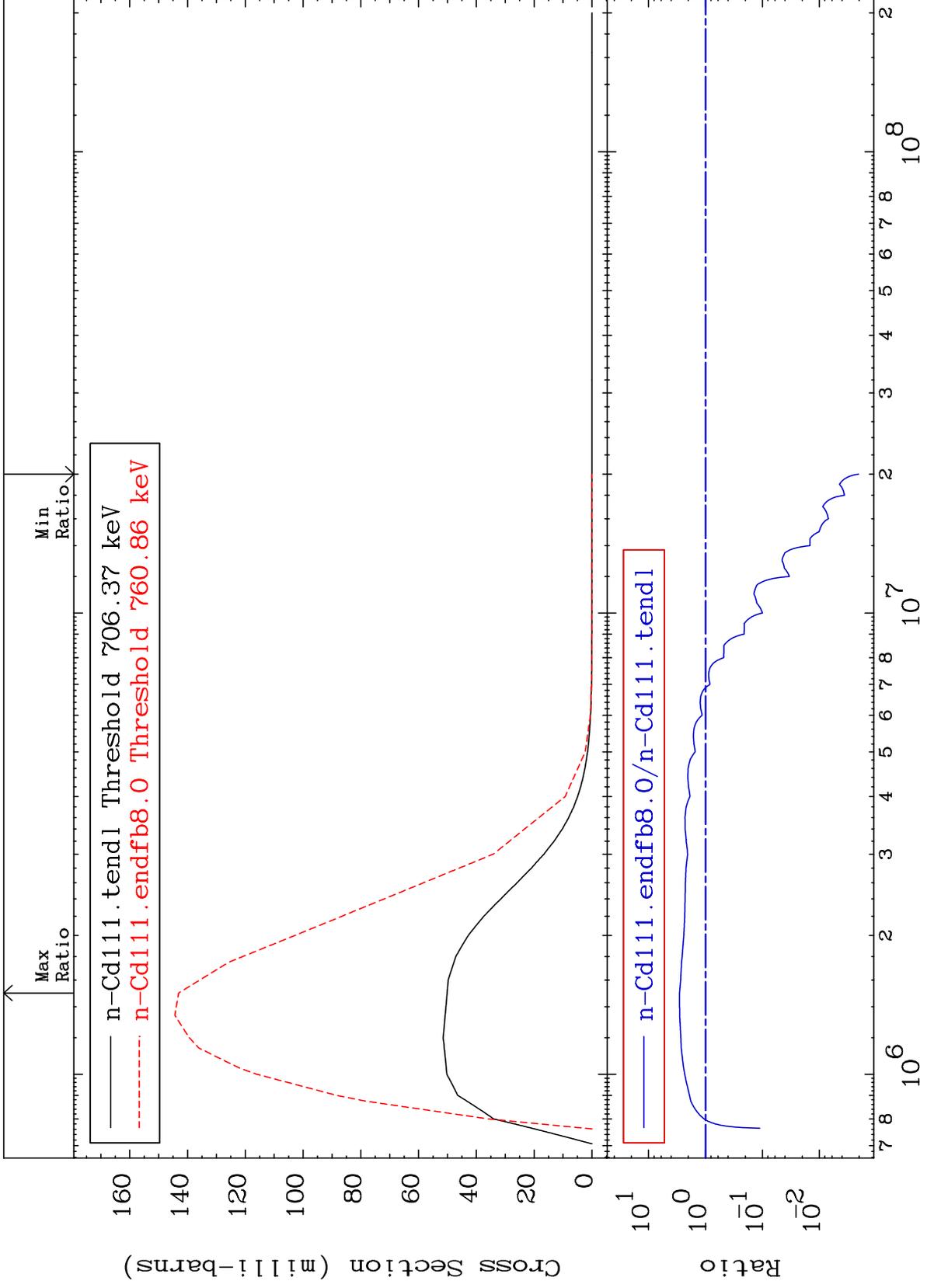
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.80 To 185.4 %



15

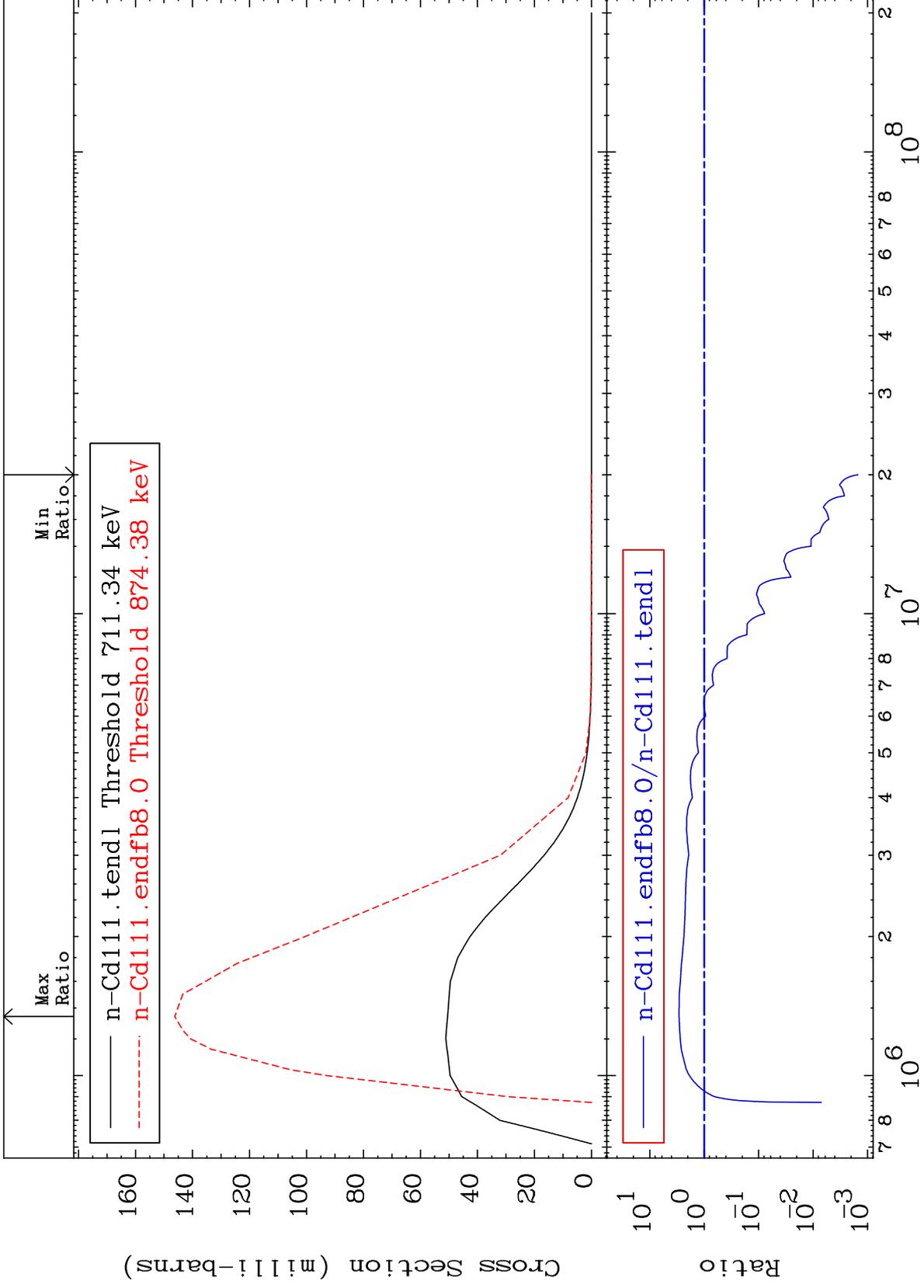
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.85 To 189.6 %



16

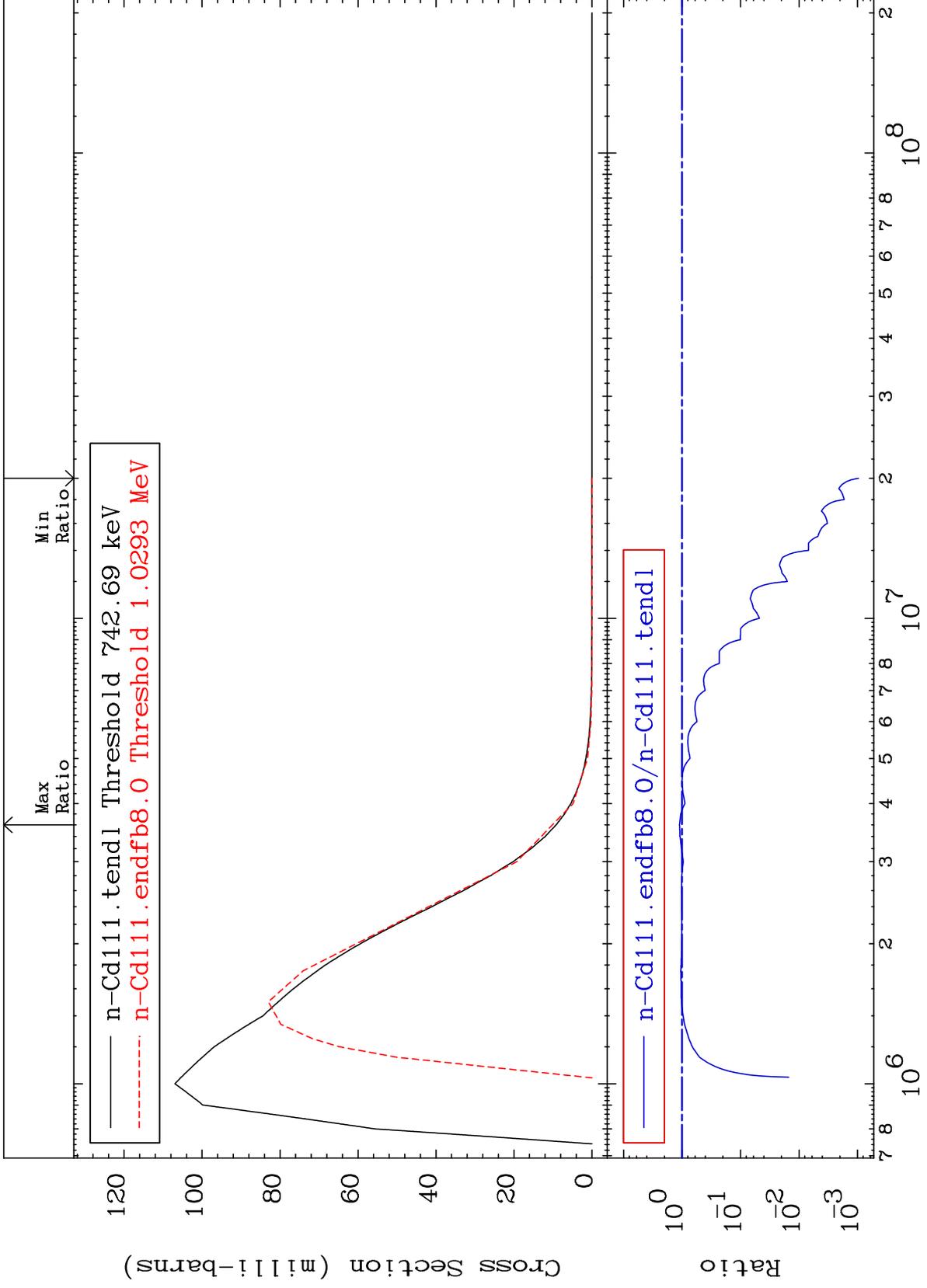
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.90 To 10.47 %



17

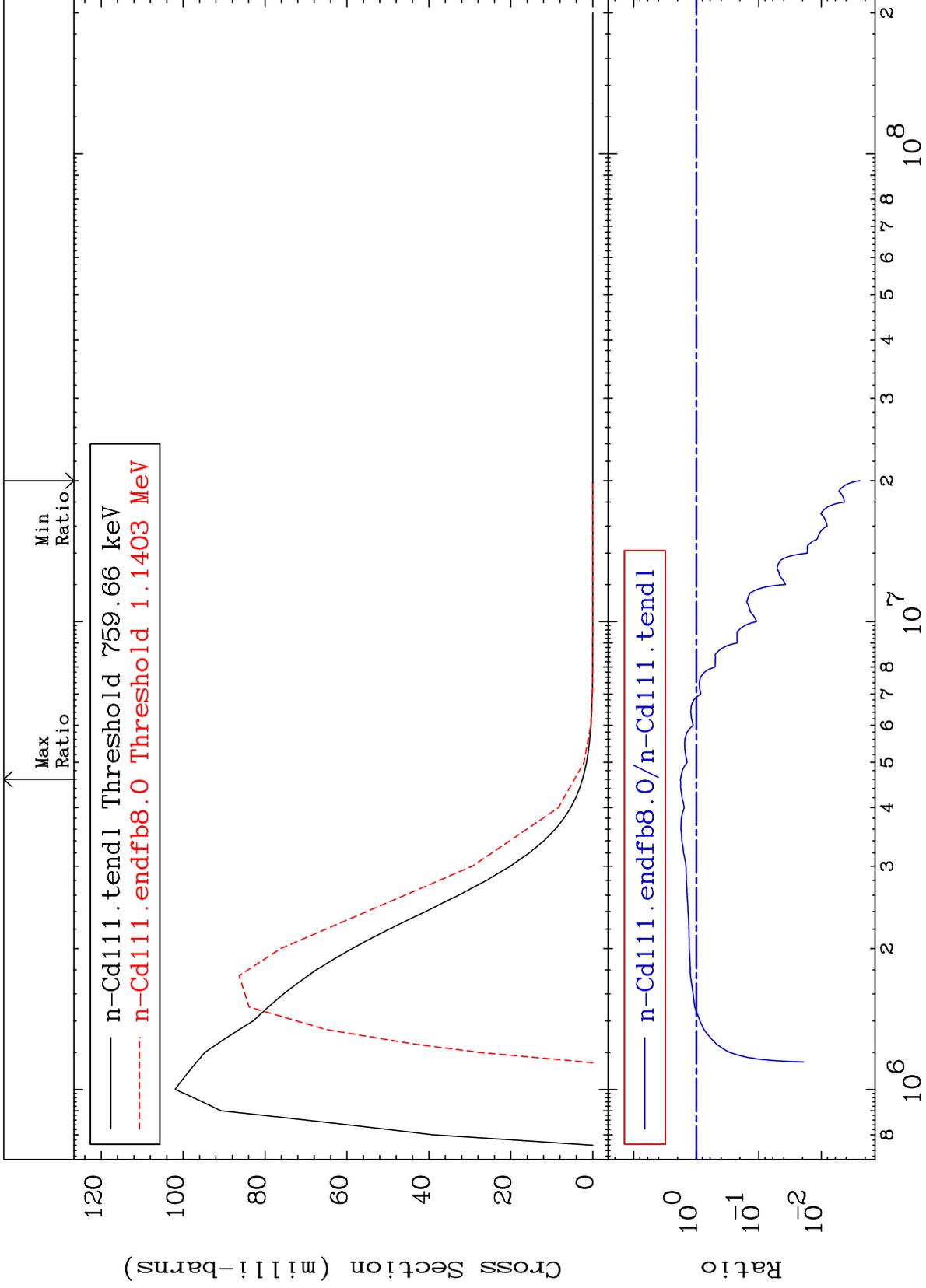
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.76 To 78.83 %



18

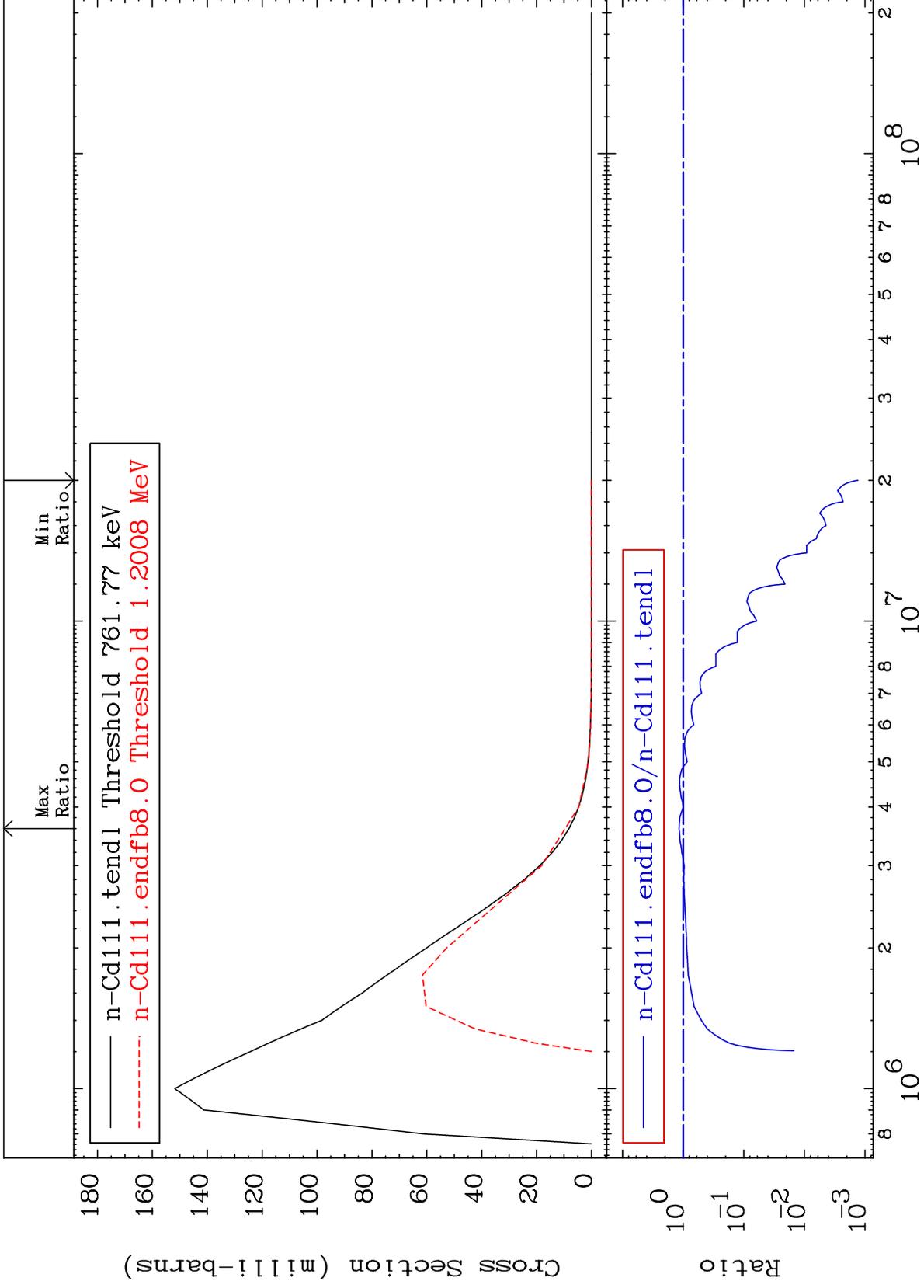
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-99.87 To 17.24 %



19

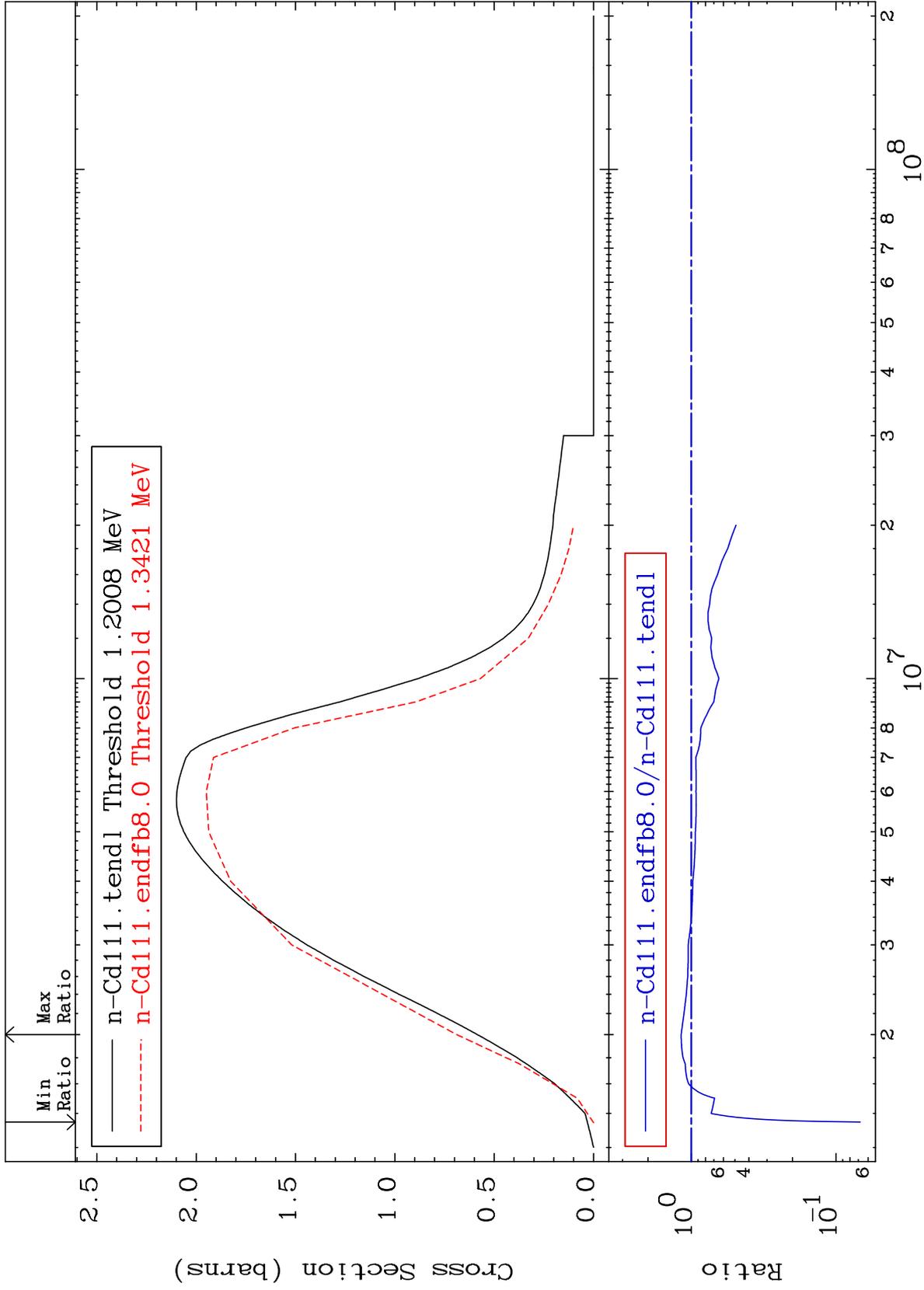
Incident Energy (eV)

48-Cd-111

MAT 4840

(n, n') Continuum
Cross Section

48-Cd-111
-93.20 To 17.76 %



20

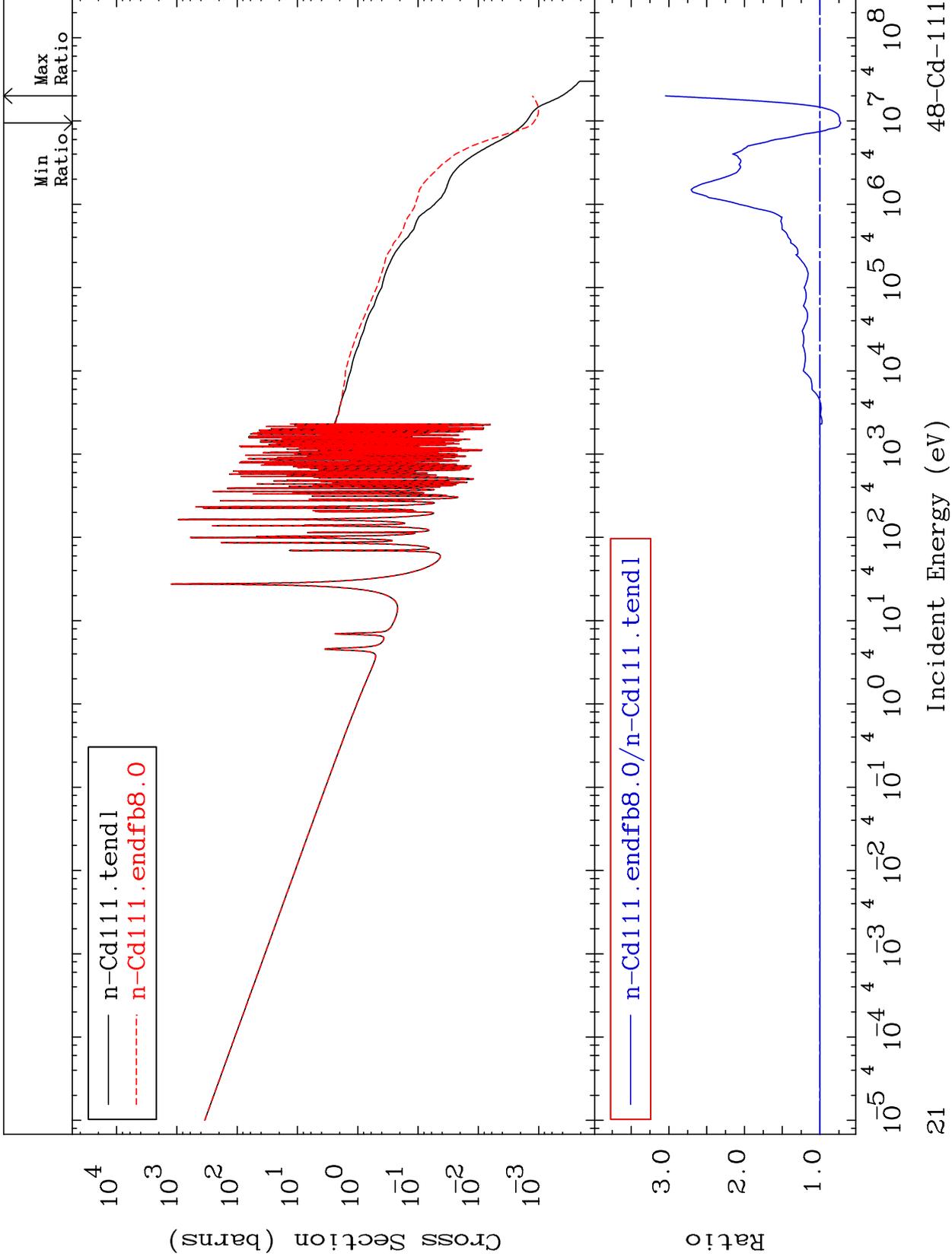
Incident Energy (eV)

48-Cd-111

MAT 4840

(n, γ)
Cross Section

48-Cd-111
-27.52 To 204.4 %



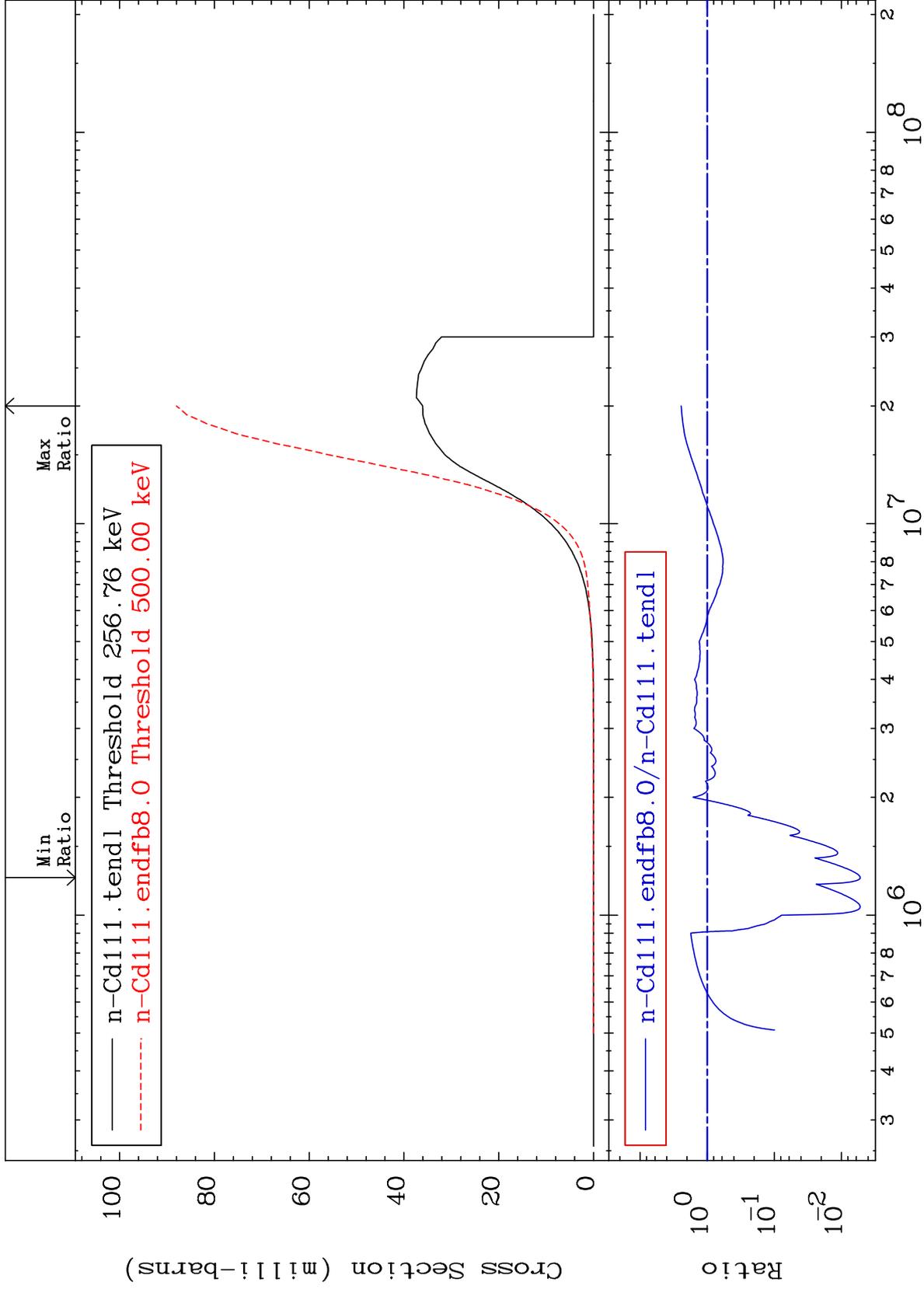
MAT 4840

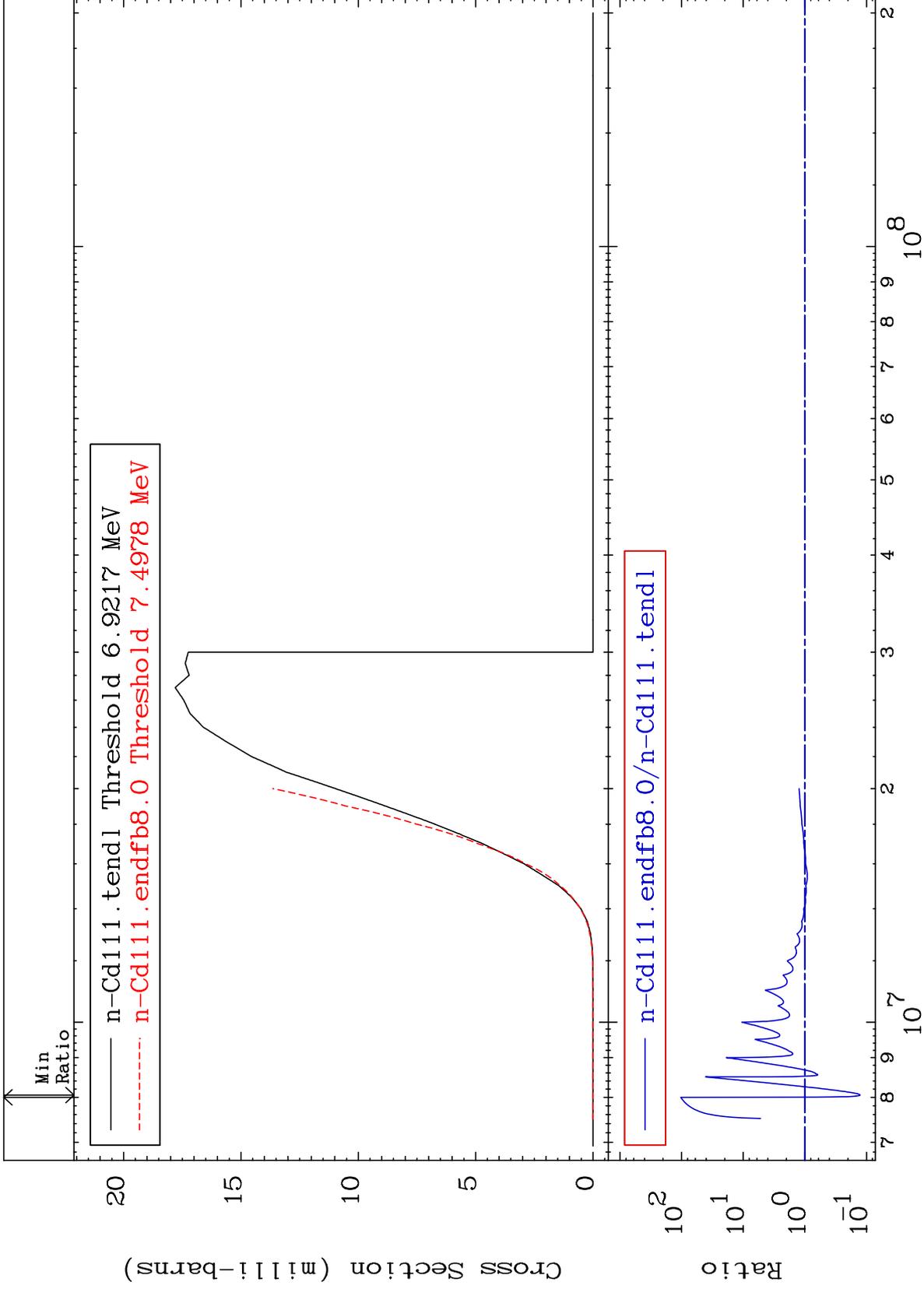
(n,p)

48-Cd-111

Cross Section

-99.48 To 144.2 %





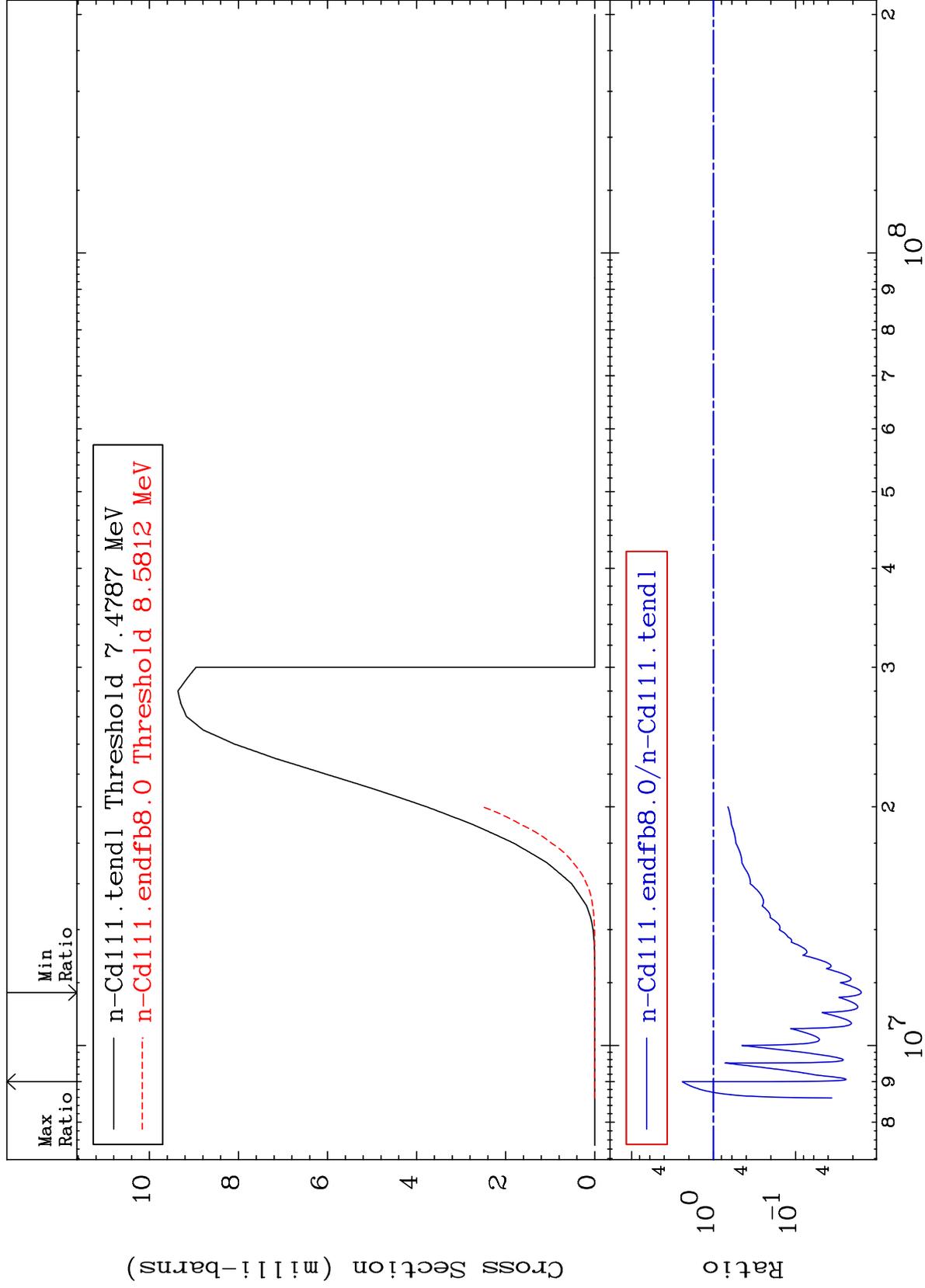
MAT 4840

(n, t)

48-Cd-111

Cross Section

-98.42 To 140.5 %



24

Incident Energy (eV)

48-Cd-111

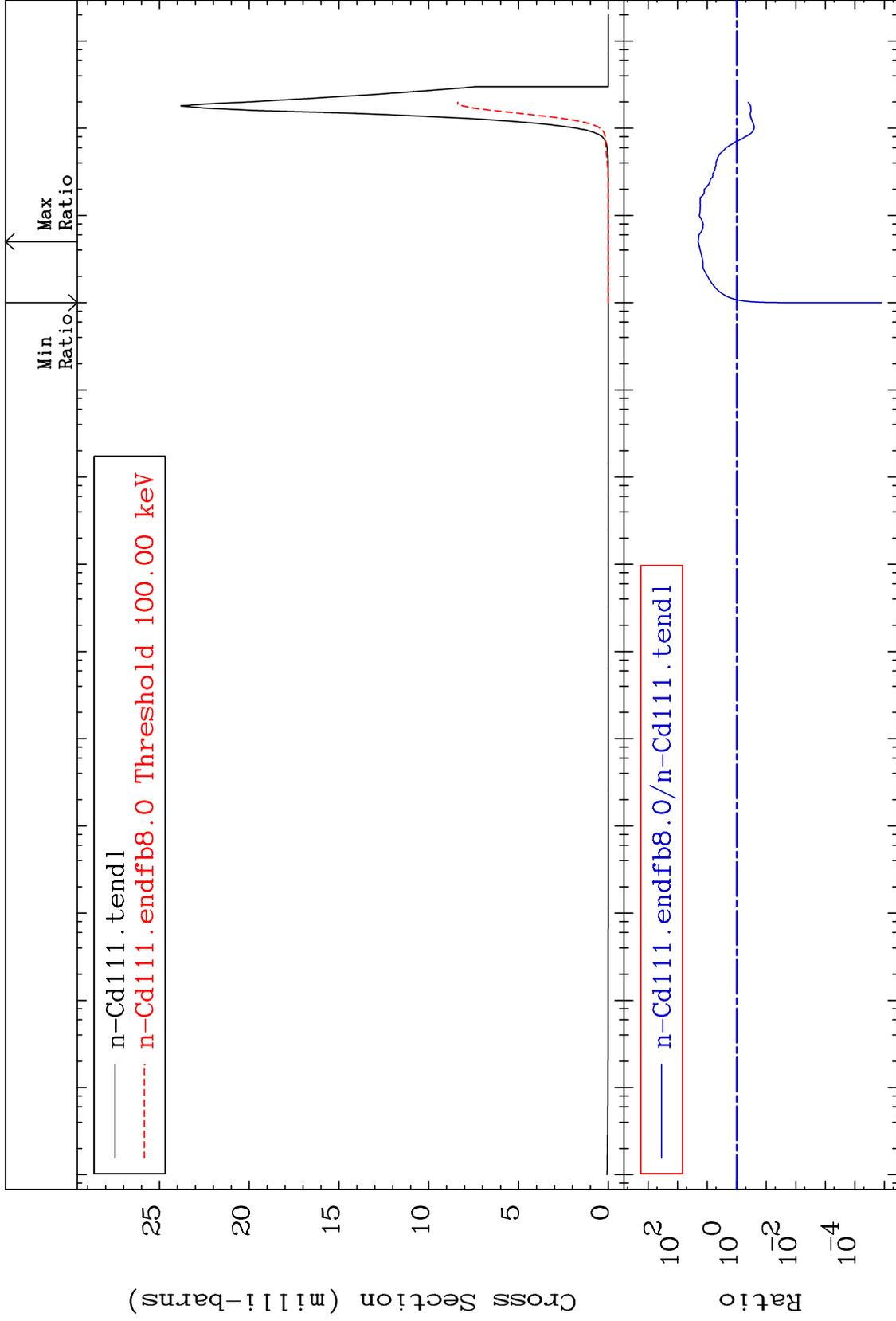
MAT 4840

(n, α)

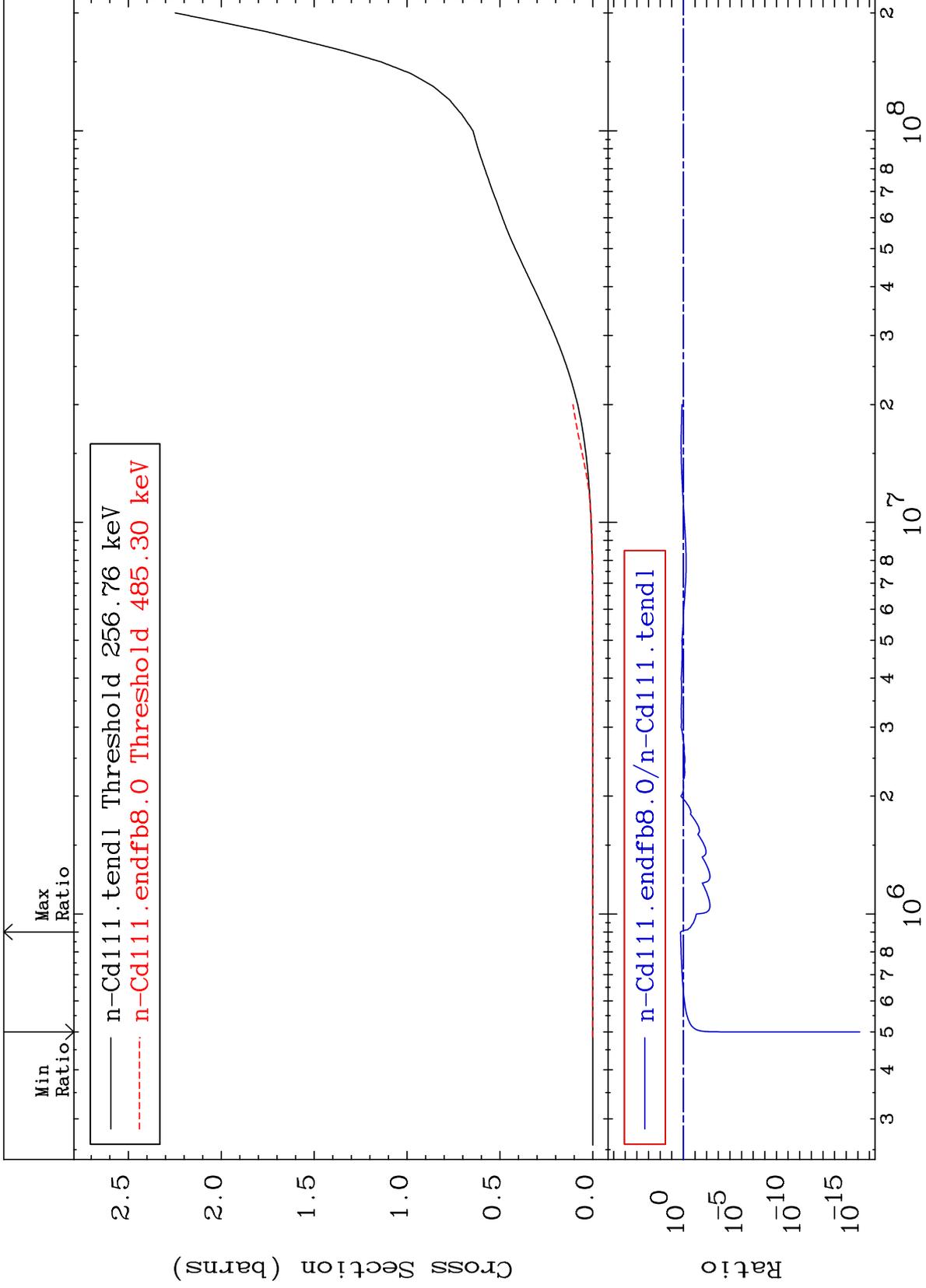
48-Cd-111

Cross Section

-100.0 To 1930. %



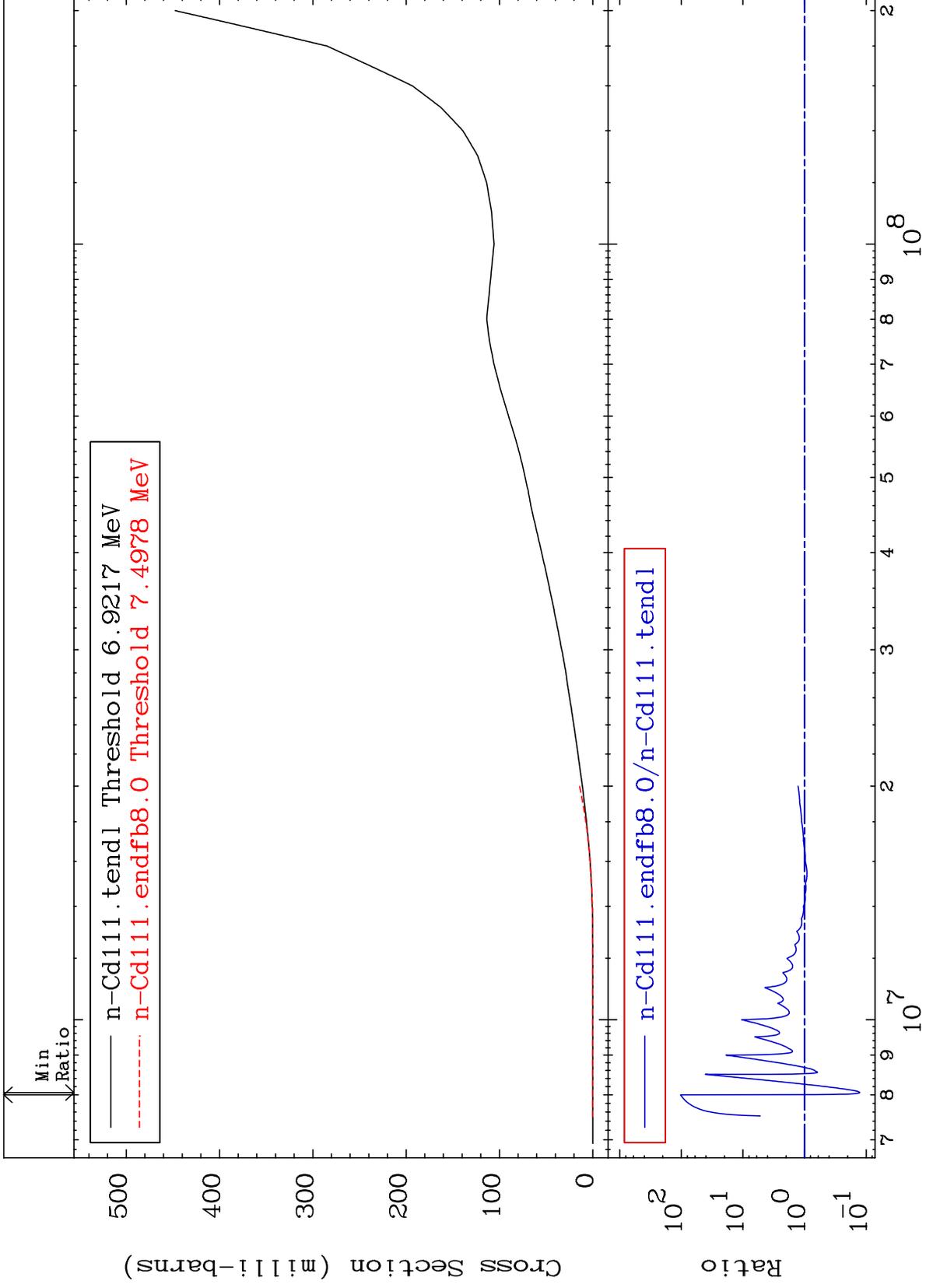
25



MAT 4840

Deuterium Production
Cross Section

48-Cd-111
-87.30 To 9999. %



27

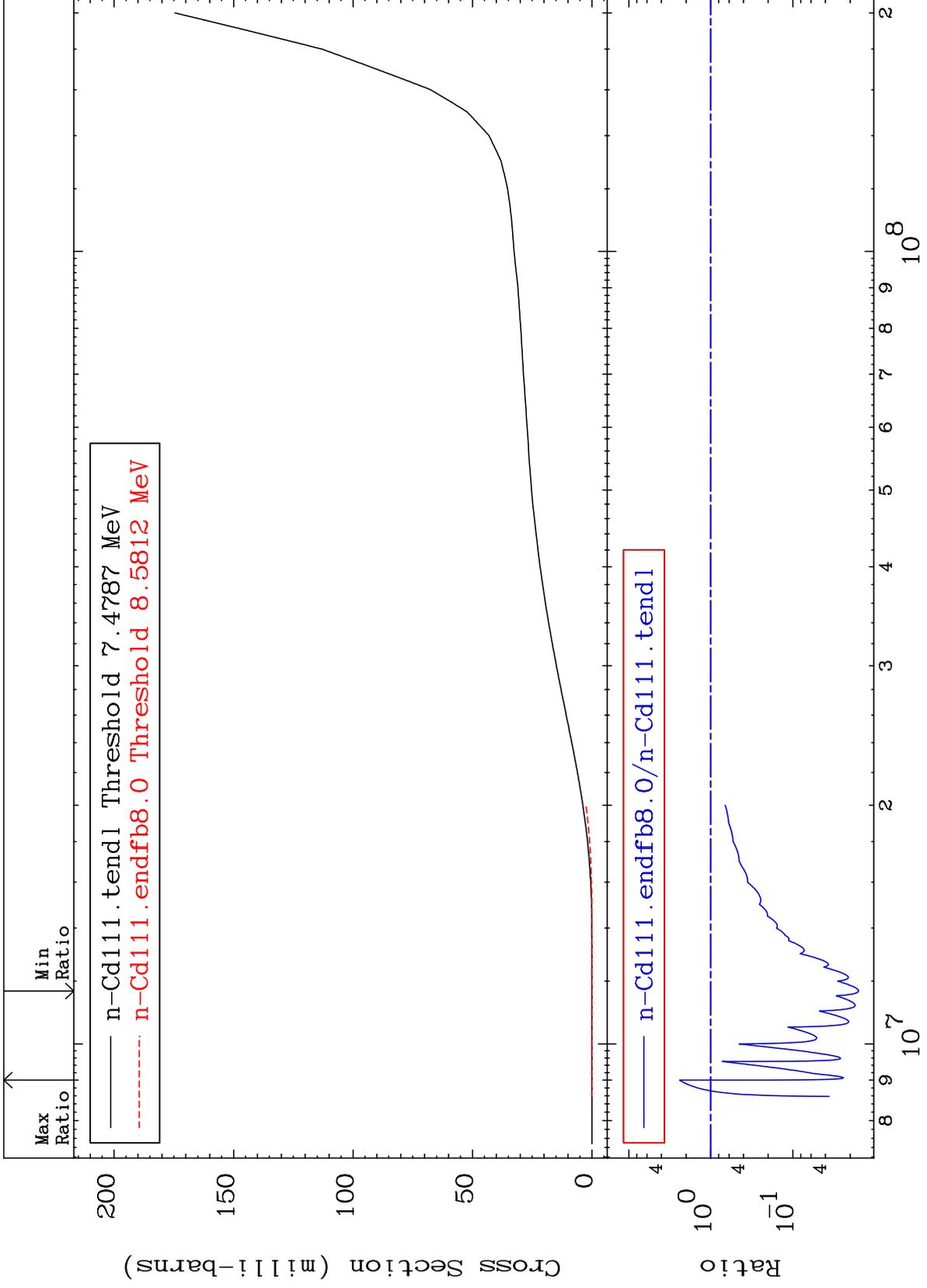
Incident Energy (eV)

48-Cd-111

MAT 4840

Tritium Production
Cross Section

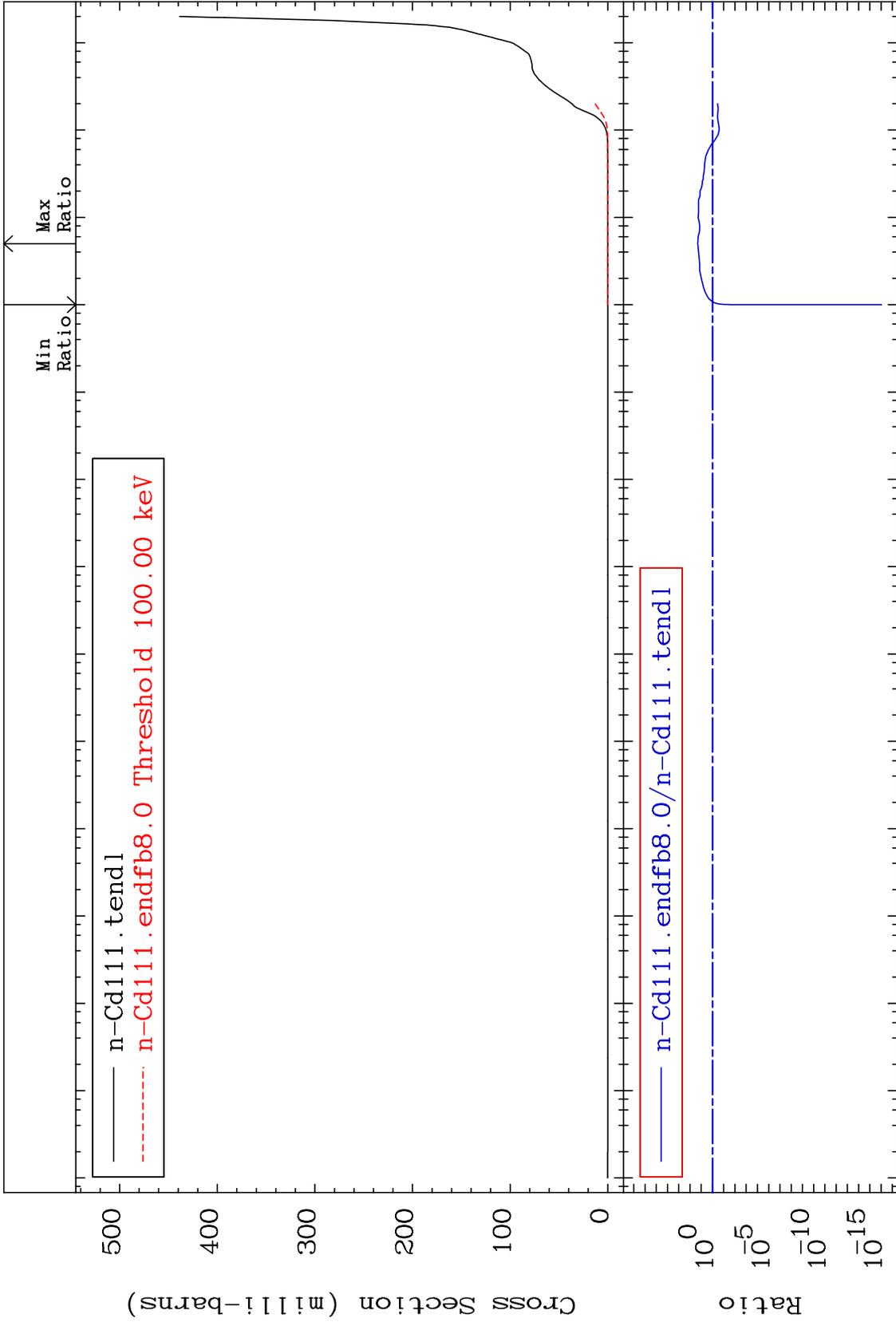
48-Cd-111
-98.42 To 140.5 %



MAT 4840

He-4 Production
Cross Section

48-Cd-111
-100.0 To 1930. %



29

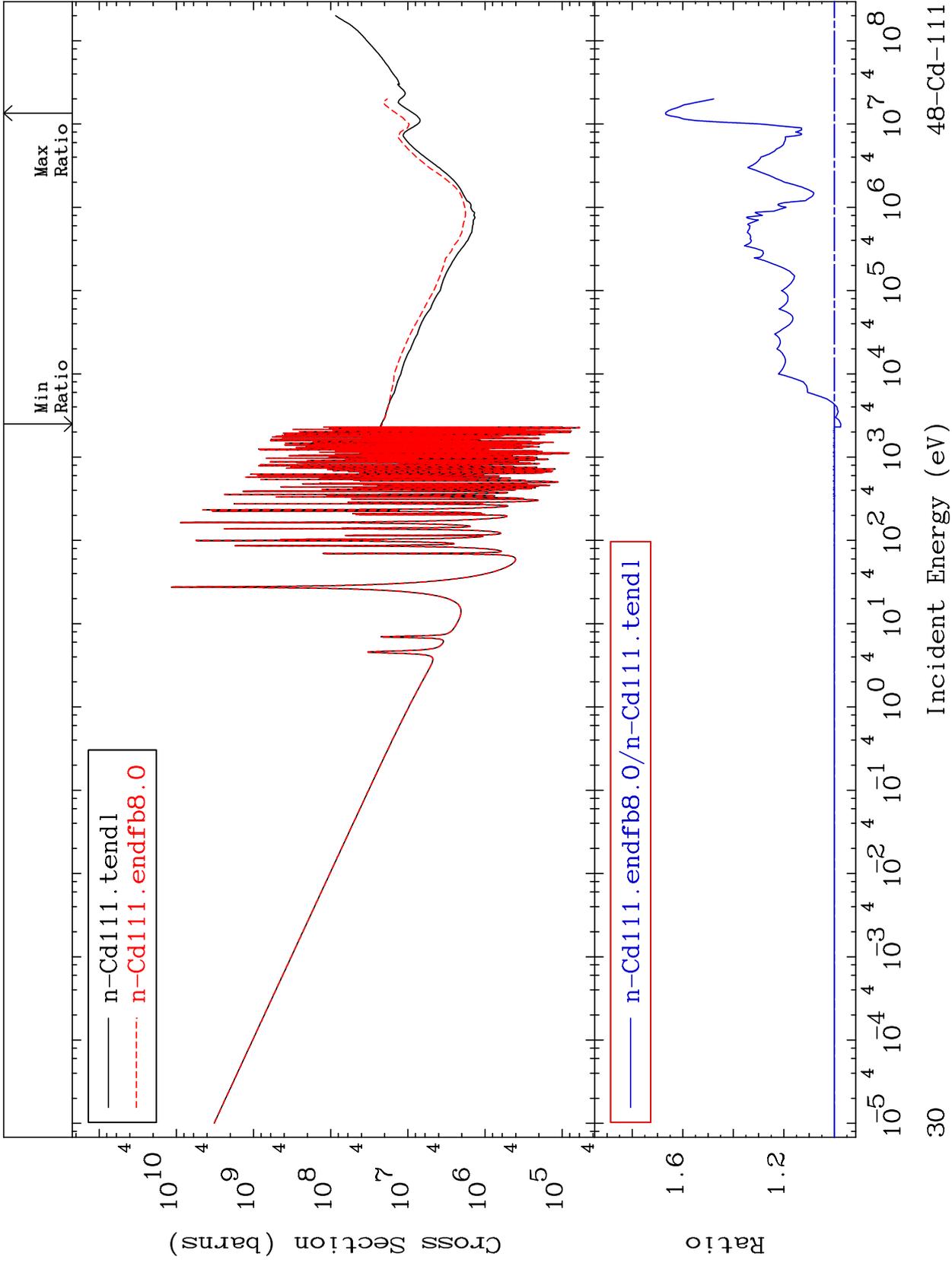
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma total (eV-barns)
Cross Section

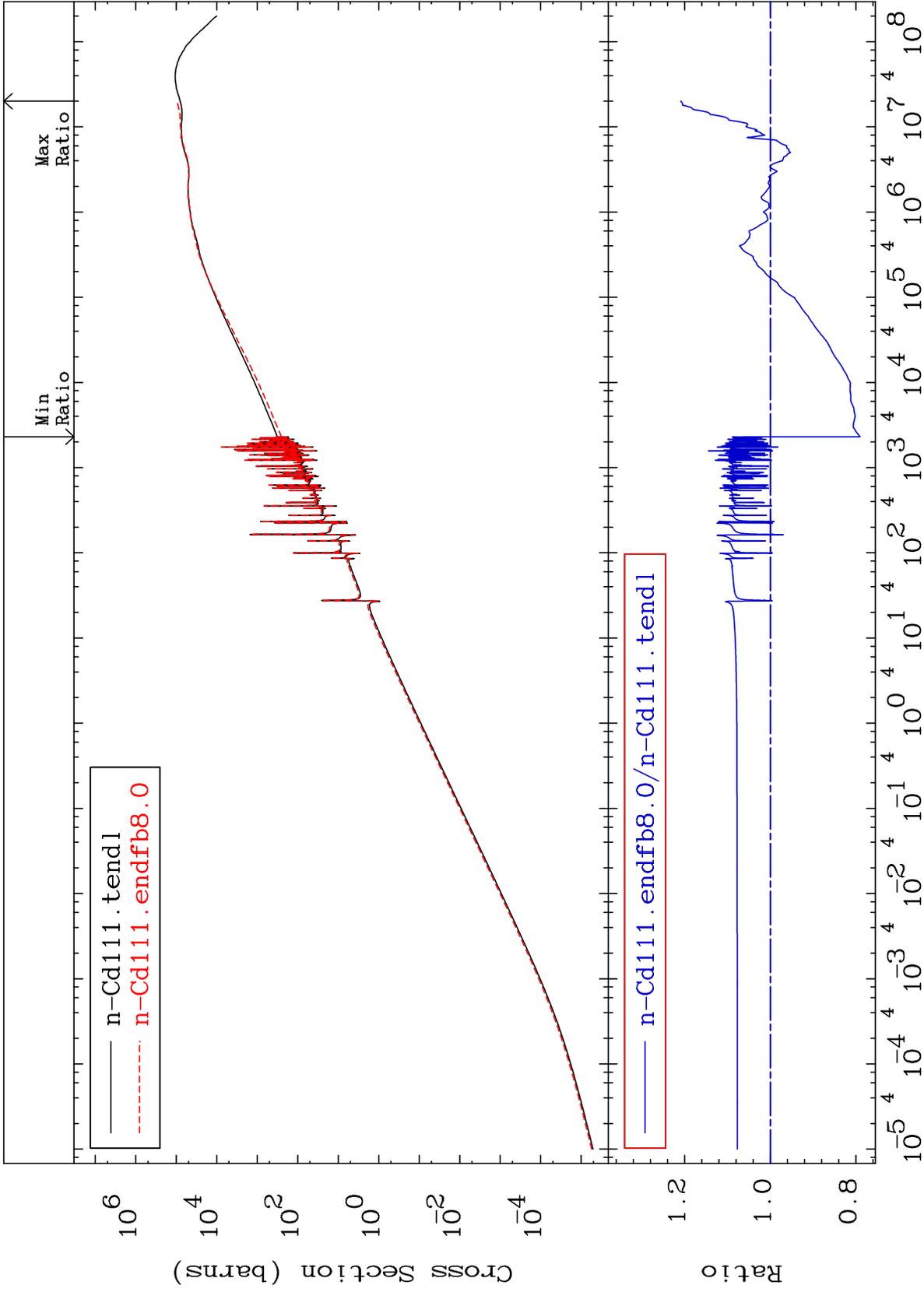
48-Cd-111
-2.552 To 66.84 %



MAT 4840

Kerma elastic
Cross Section

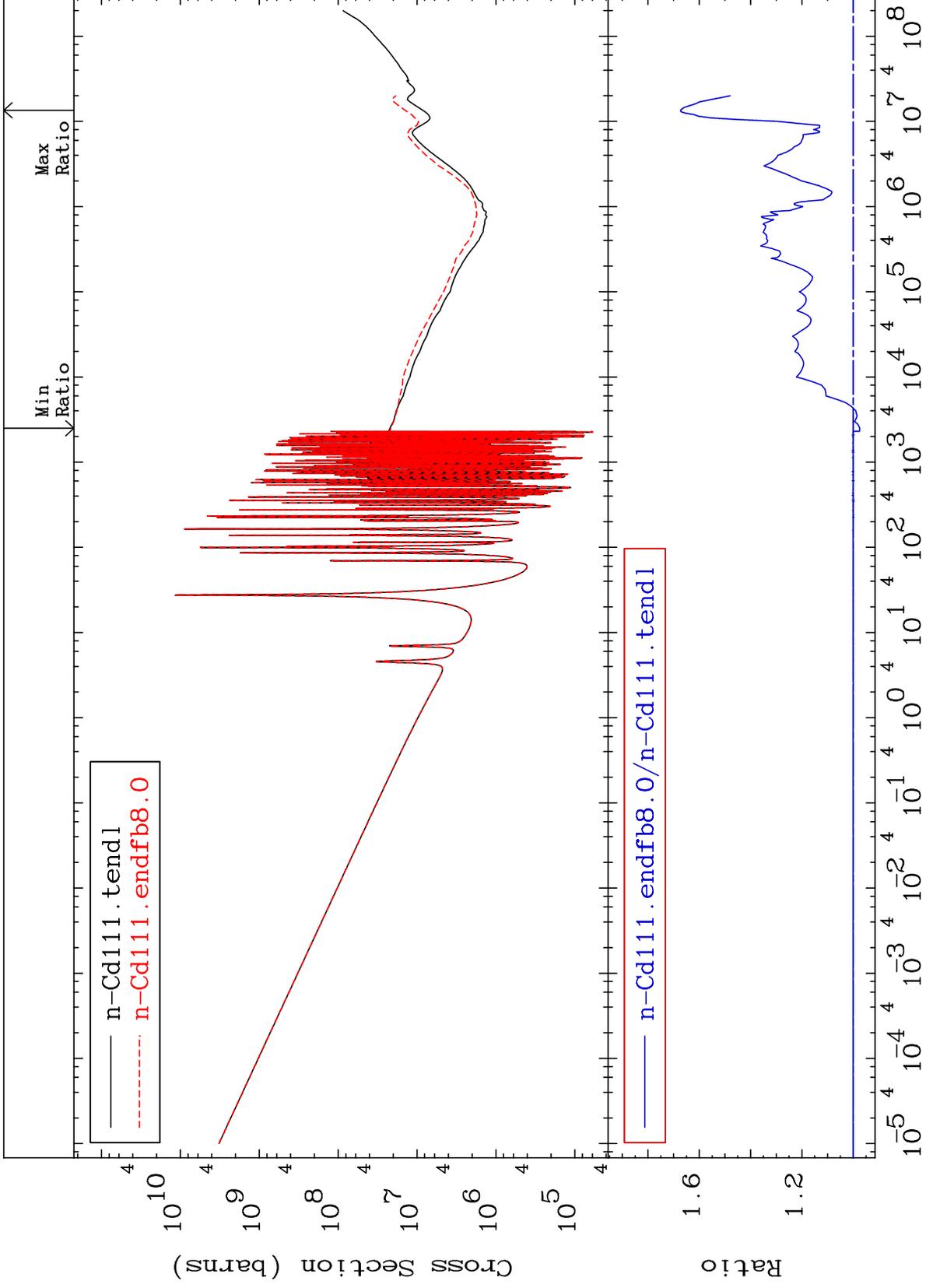
48-Cd-111
-20.97 To 20.93 %



MAT 4840

Kerma non-elastic (all but mt2)
Cross Section

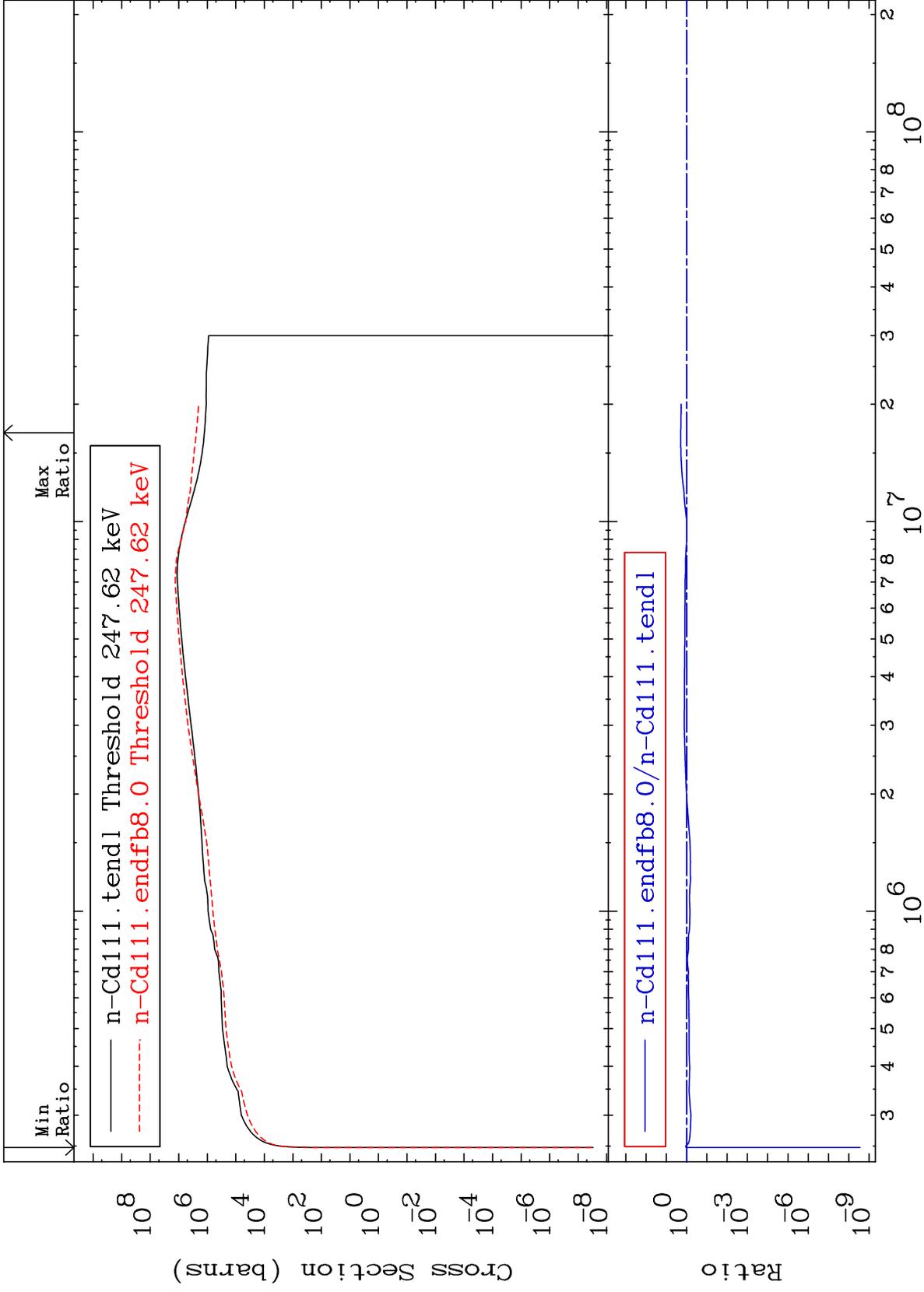
48-Cd-111
-2.552 To 67.31 %



MAT 4840

Kerma inelastic (mt51-91)
Cross Section

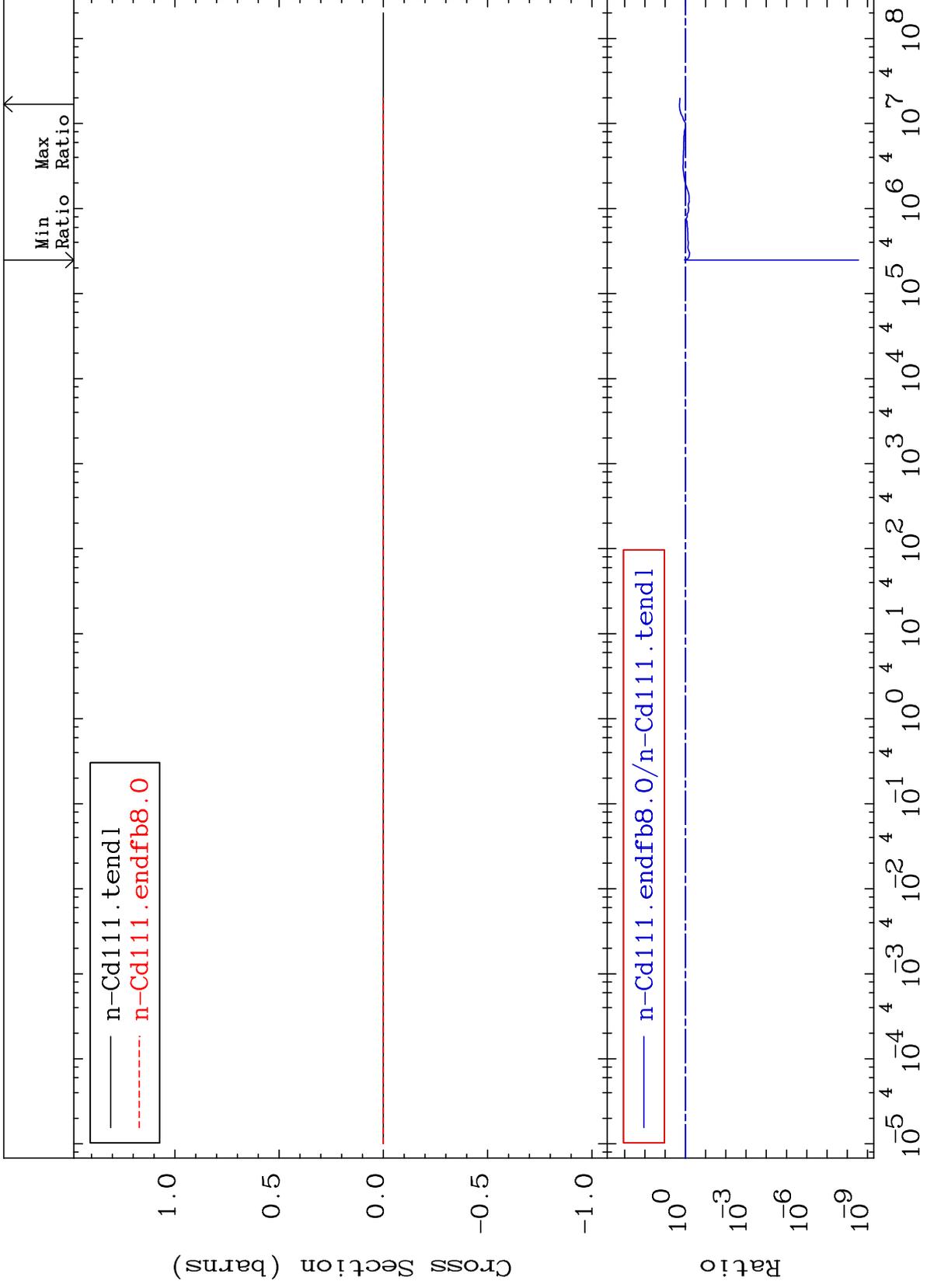
48-Cd-111
-100.0 To 93.68 %



MAT 4840

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

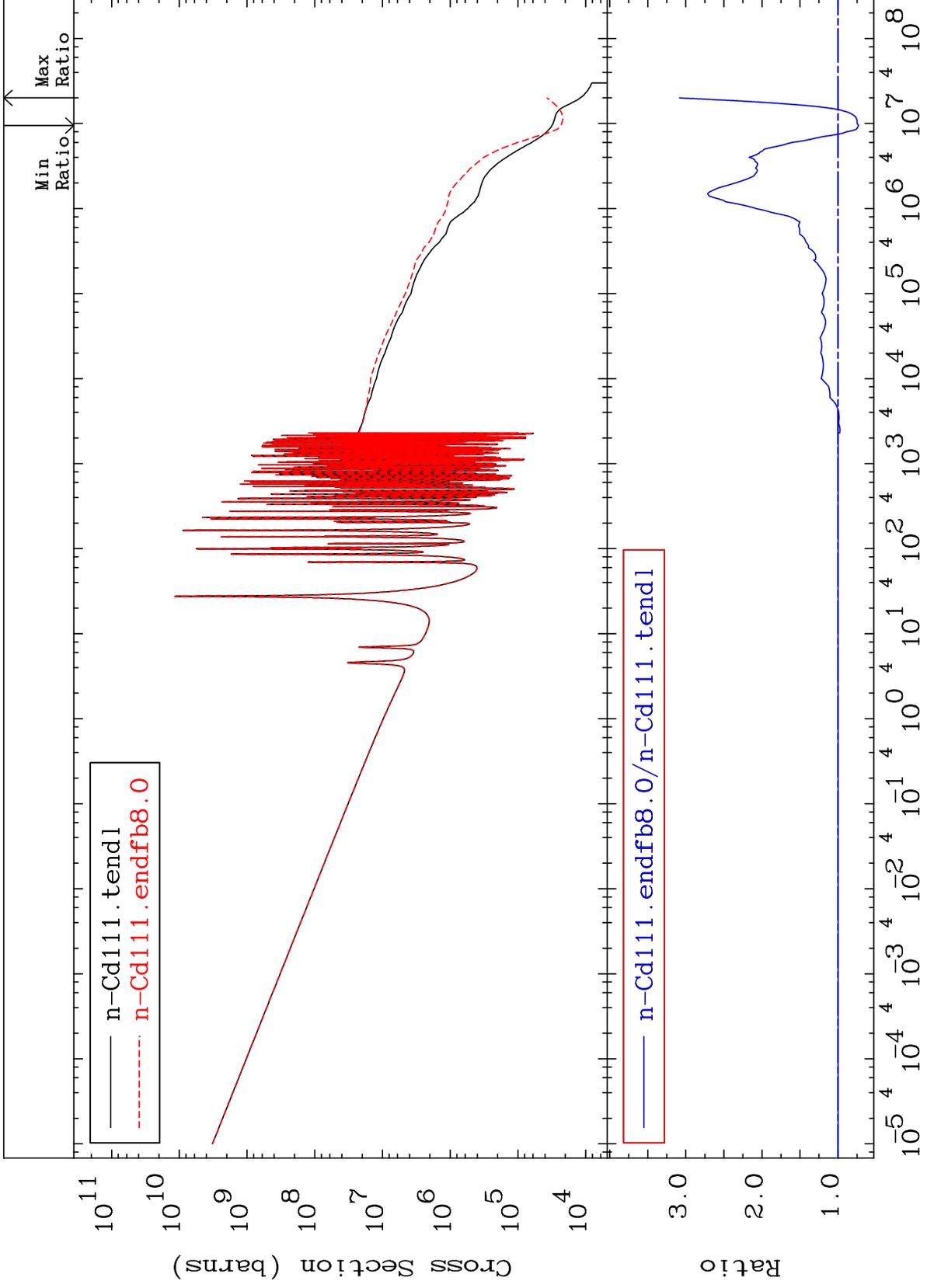
48-Cd-111
-100.0 To 93.68 %



MAT 4840

Kerma capture (mt102)
Cross Section

48-Cd-111
-26.89 To 208.2 %



35

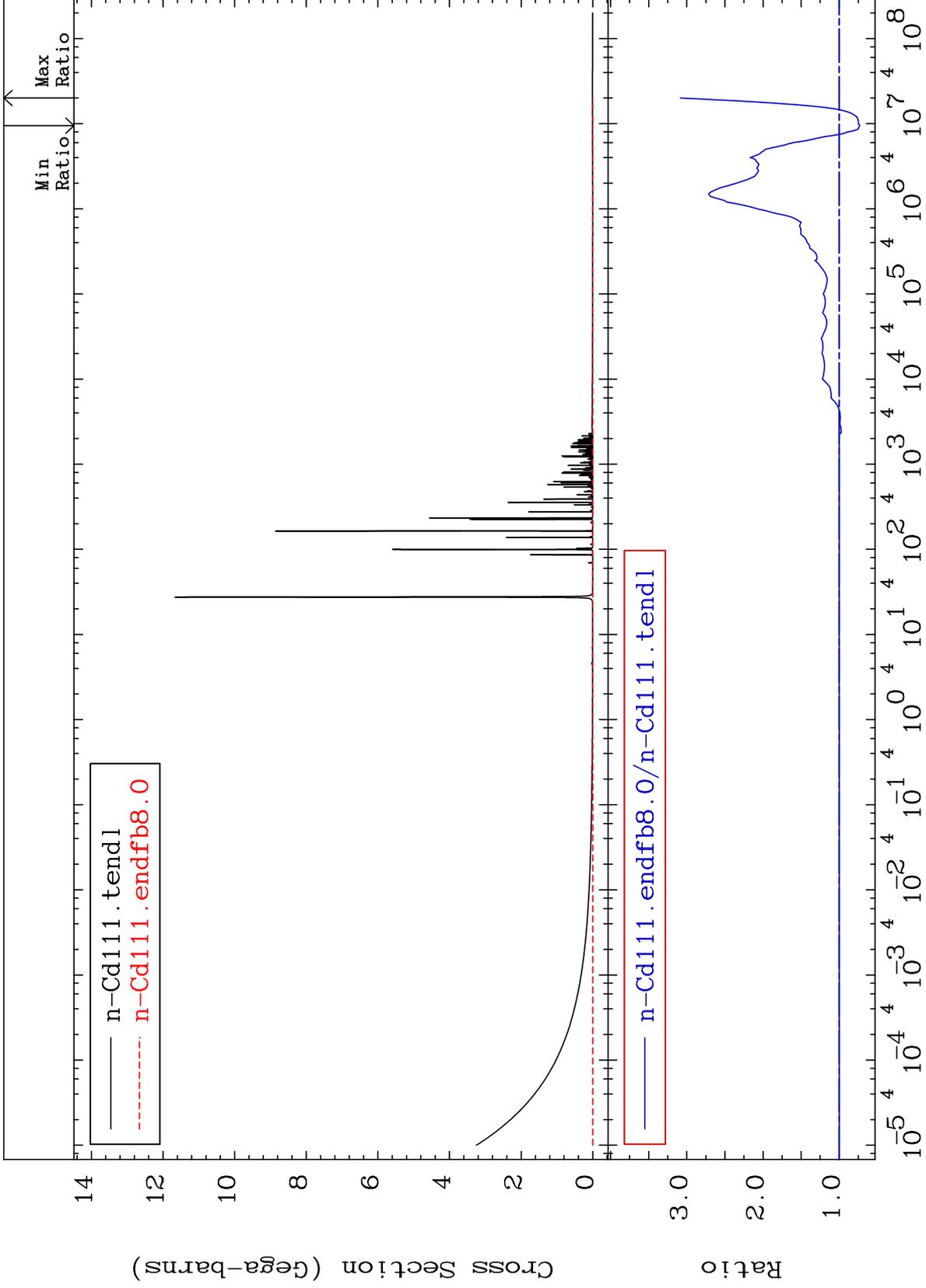
Incident Energy (eV)

48-Cd-111

MAT 4840

Total photon (eV-barns)
Cross Section

48-Cd-111
-26.89 To 208.2 %



36

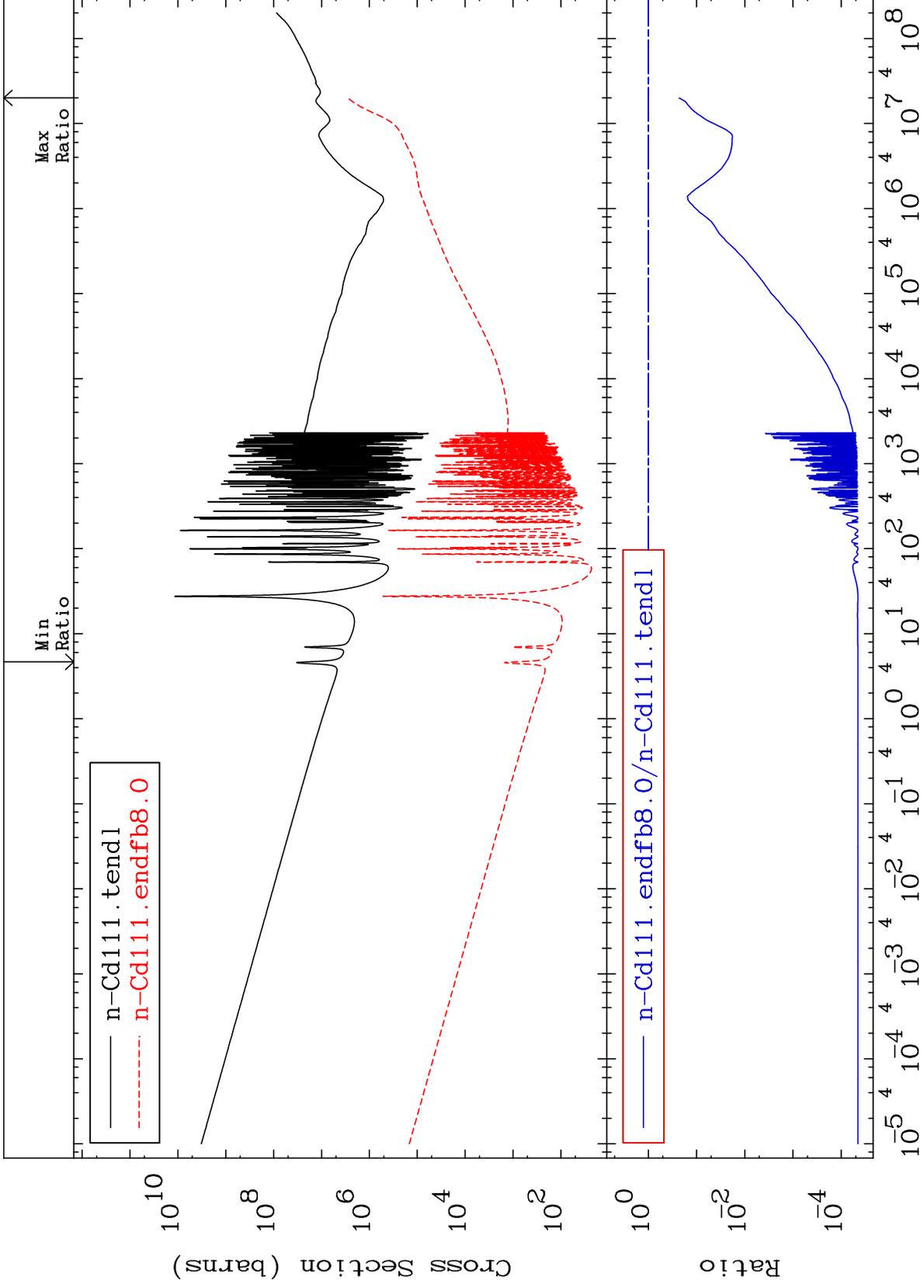
Incident Energy (eV)

48-Cd-111

MAT 4840

Total kinematic kerma (high limit)
Cross Section

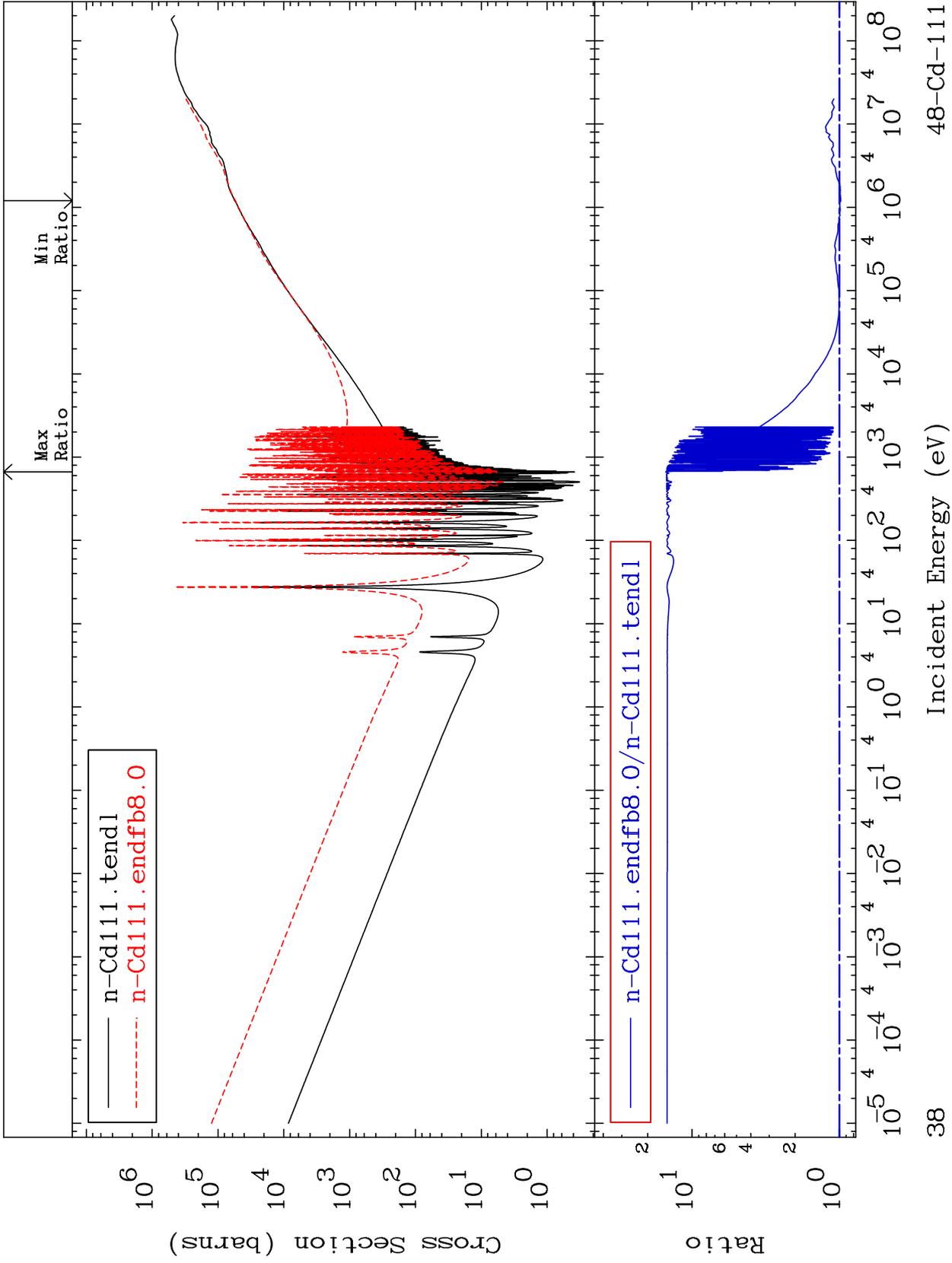
48-Cd-111
-100.0 To -76.93%

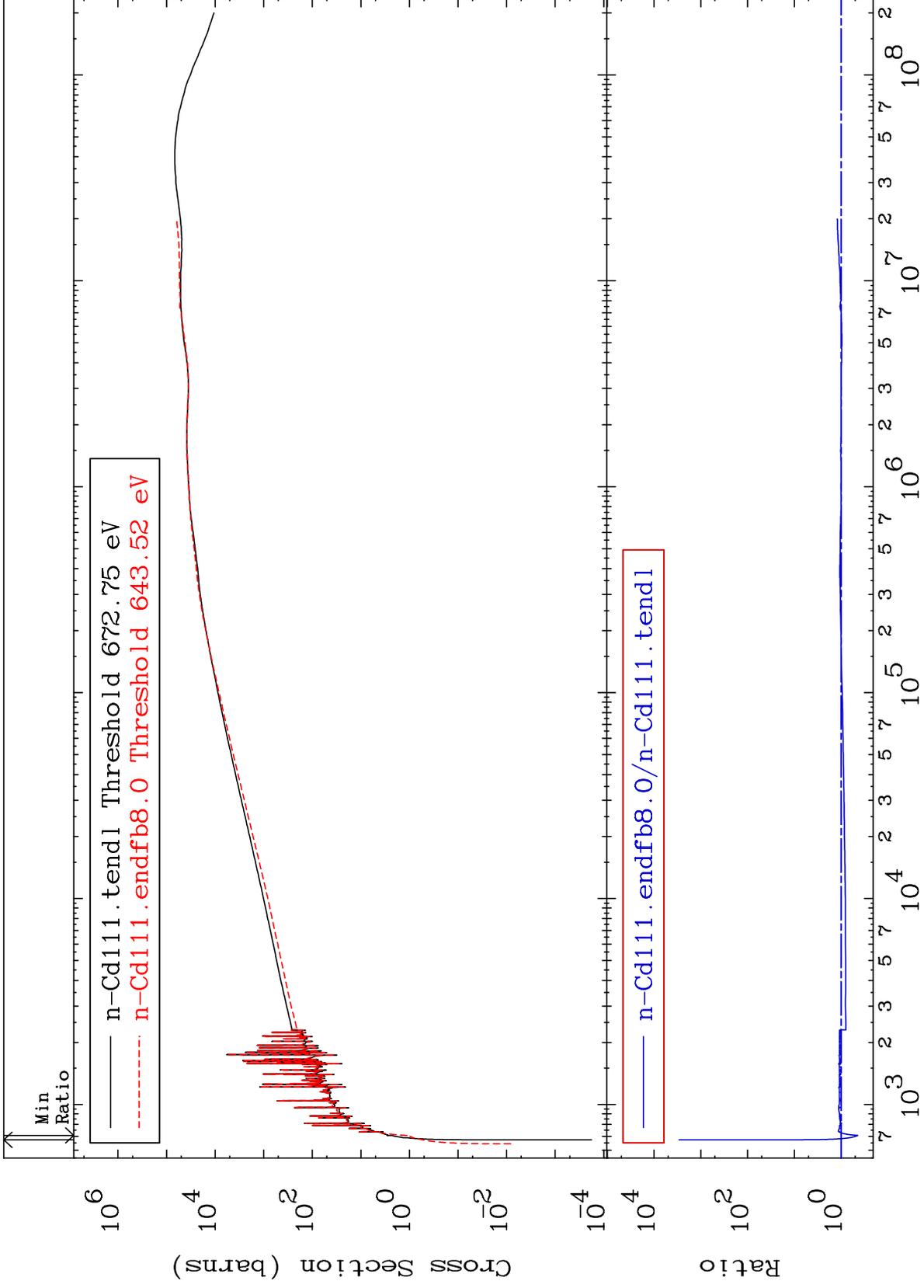


MAT 4840

Dpa total (eV-barns)
Cross Section

48-Cd-111
-2.128 To 1414. %

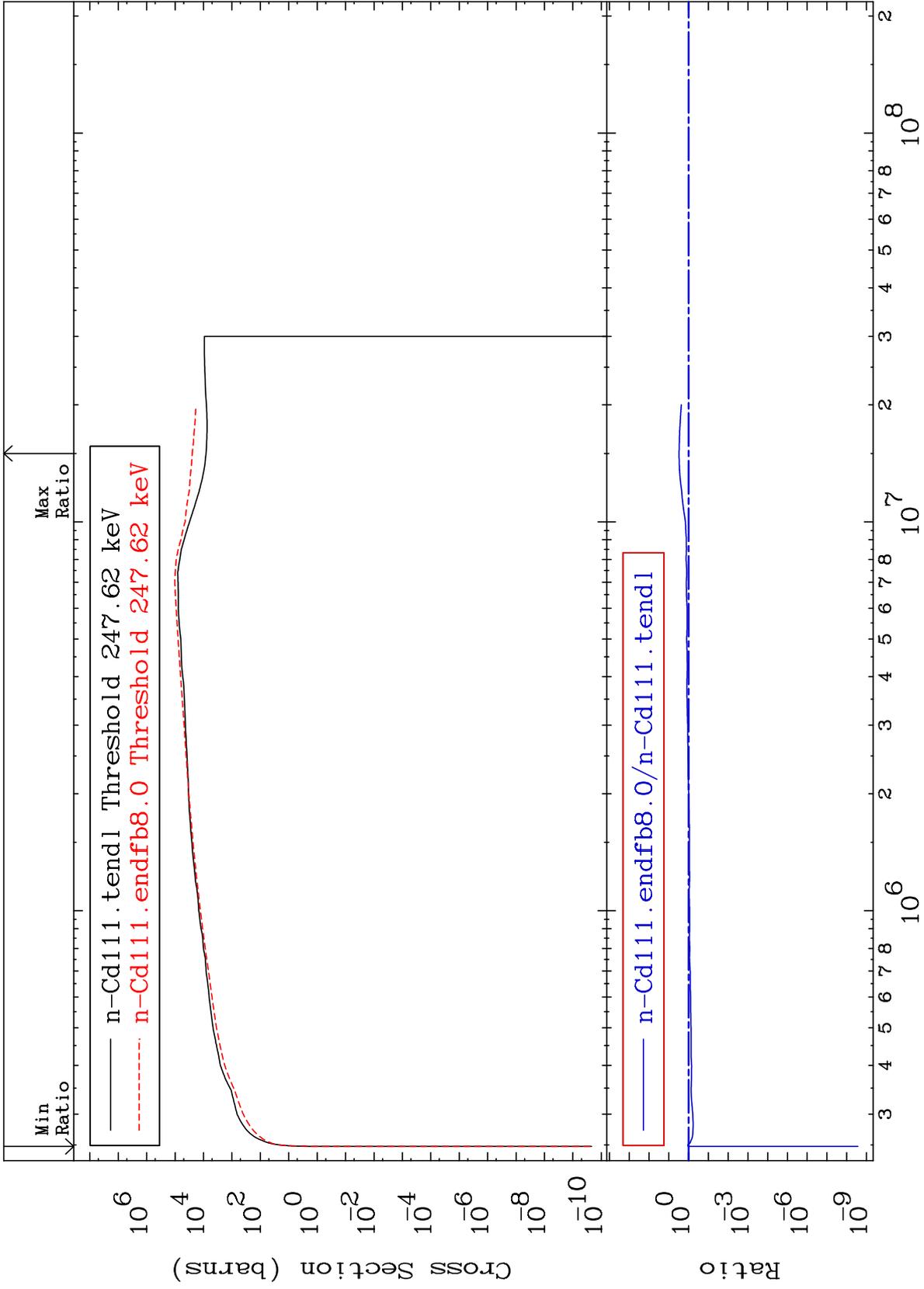




MAT 4840

Dpa inelastic (mt51-91)
Cross Section

48-Cd-111
-100.0 To 203.3 %



40

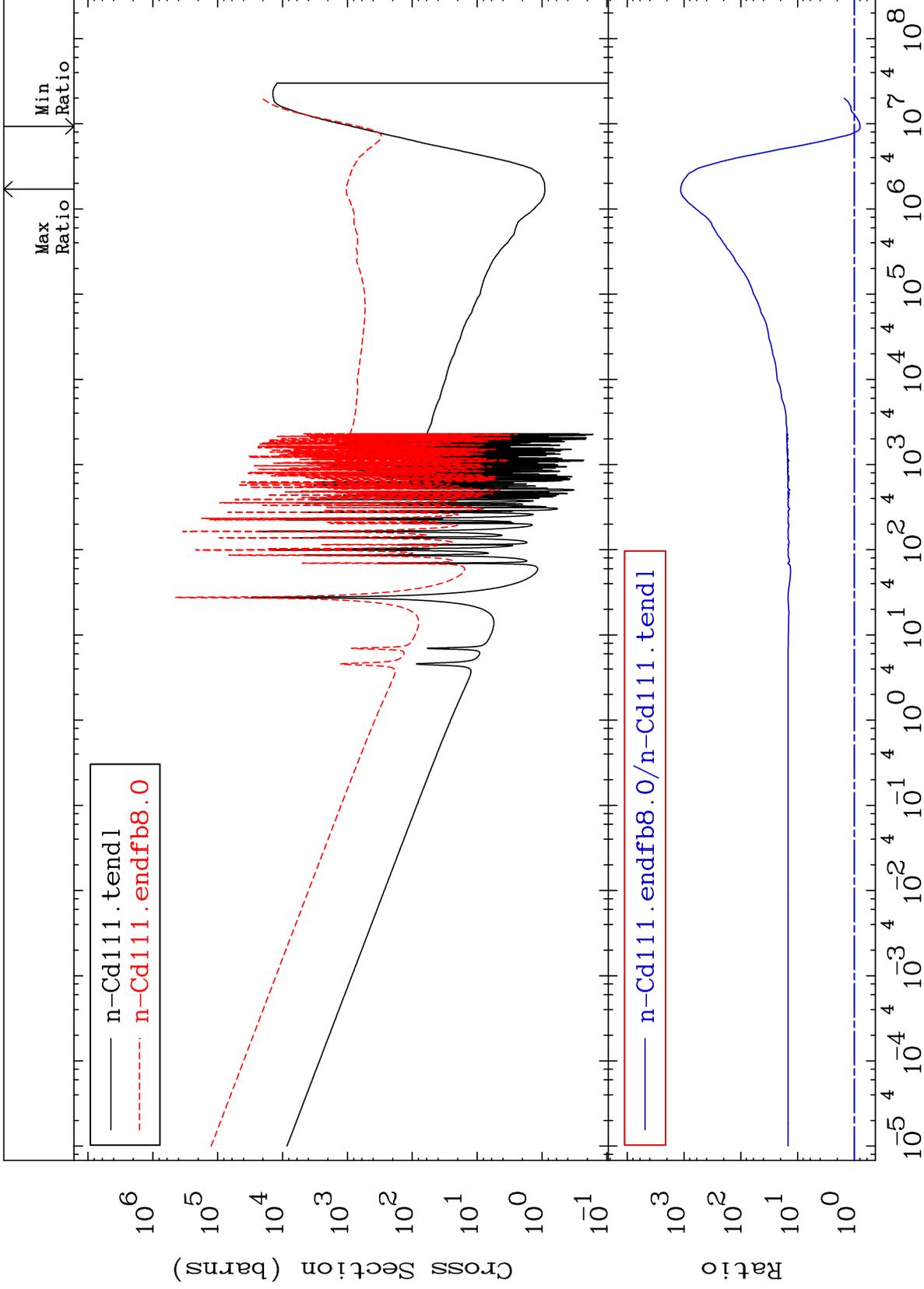
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa disappearance (mt102 -120)
Cross Section

48-Cd-111
-20.55 To 9999. %



41

Incident Energy (eV)

48-Cd-111