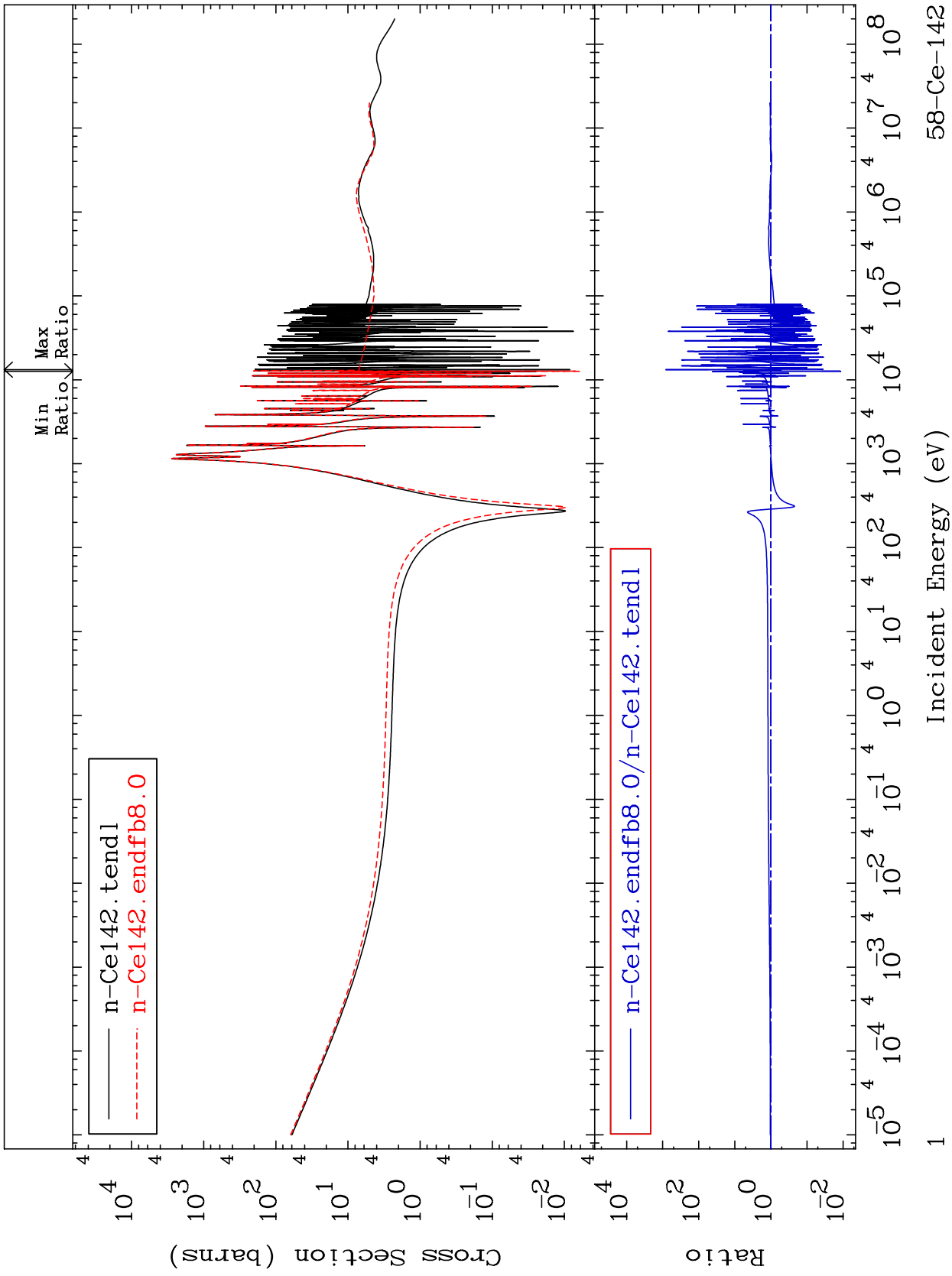


MAT 5843

Total
Cross Section

58-Ce-142
-98.84 To 9999. %



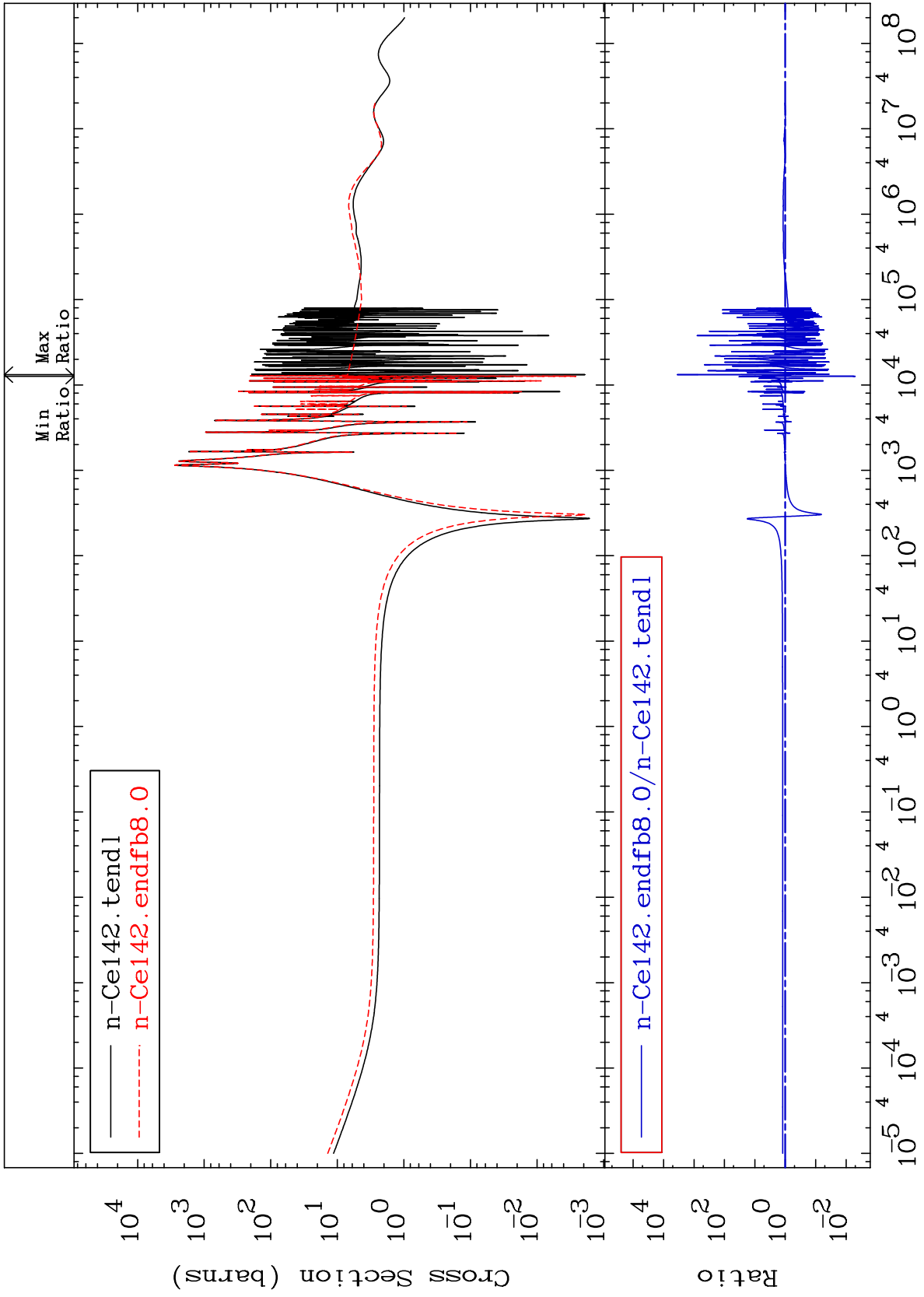
Incident Energy (eV)

58-Ce-142

MAT 5843

Elastic
Cross Section

58-Ce-142
-99.49 To 9999. %



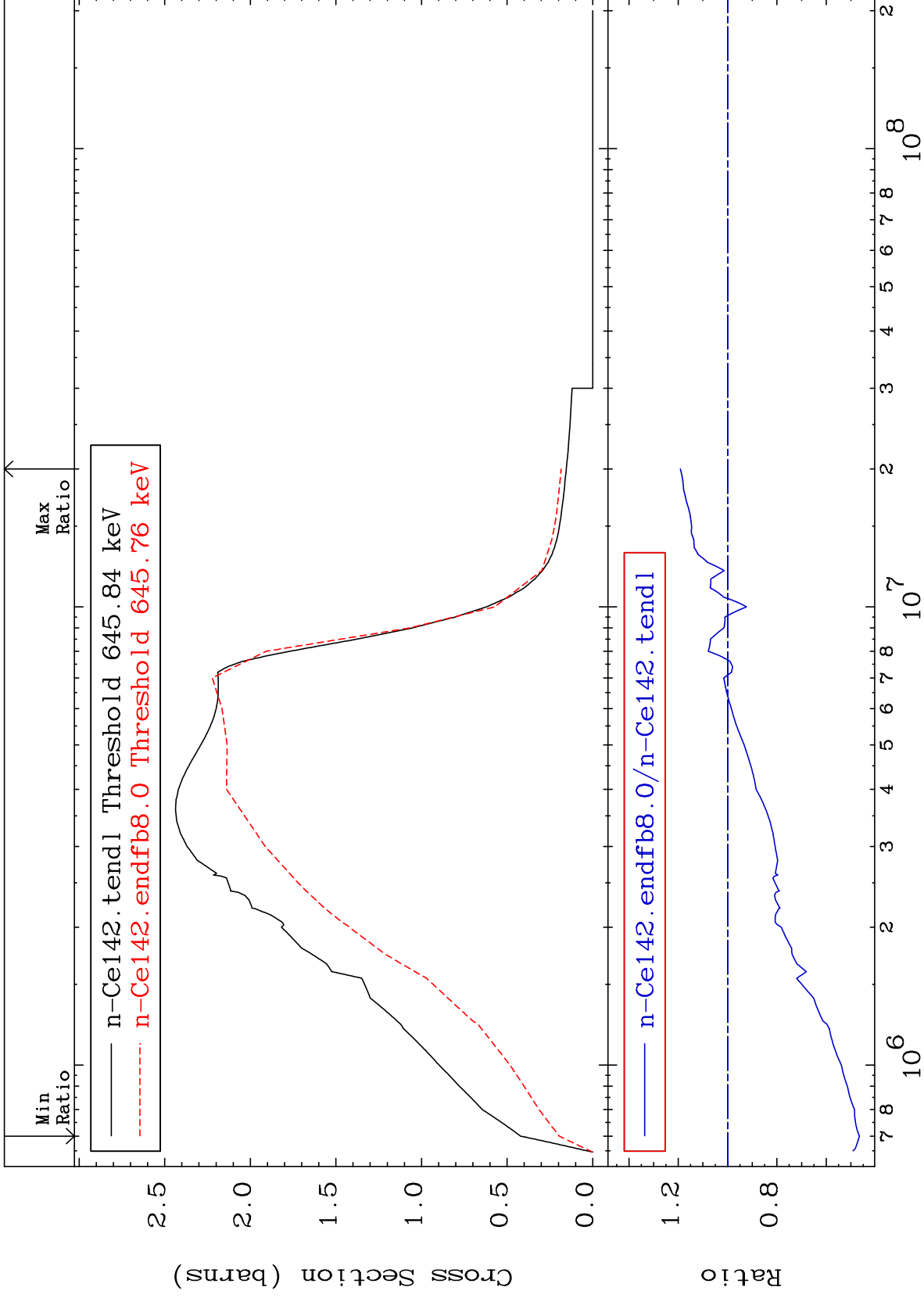
MAT 5843

Inelastic

58-Ce-142

Cross Section

-53.46 To 19.15 %



3

Incident Energy (eV)

58-Ce-142

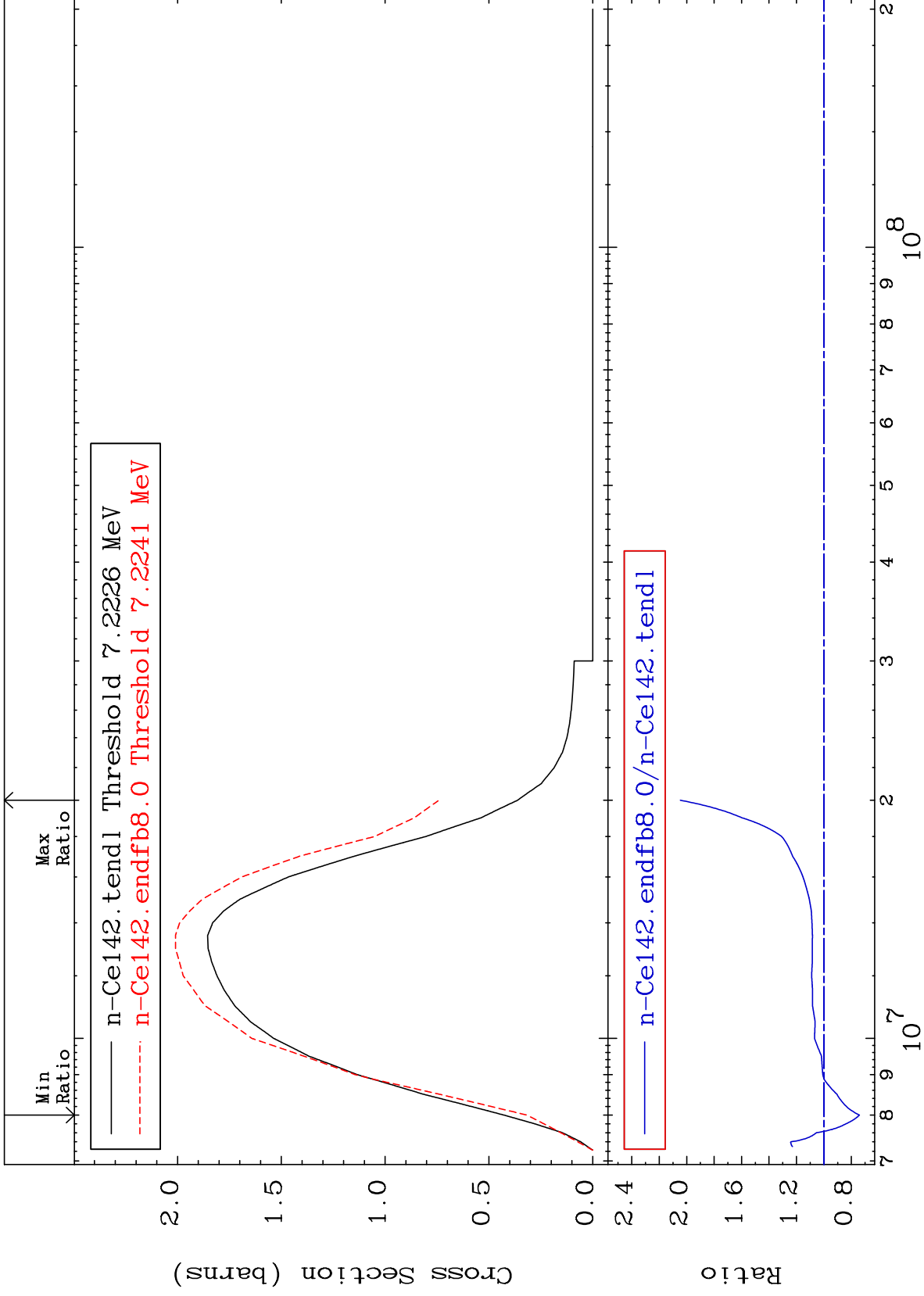
MAT 5843

(n,2n)

58-Ce-142

Cross Section

-25.87 To 104.6 %



4

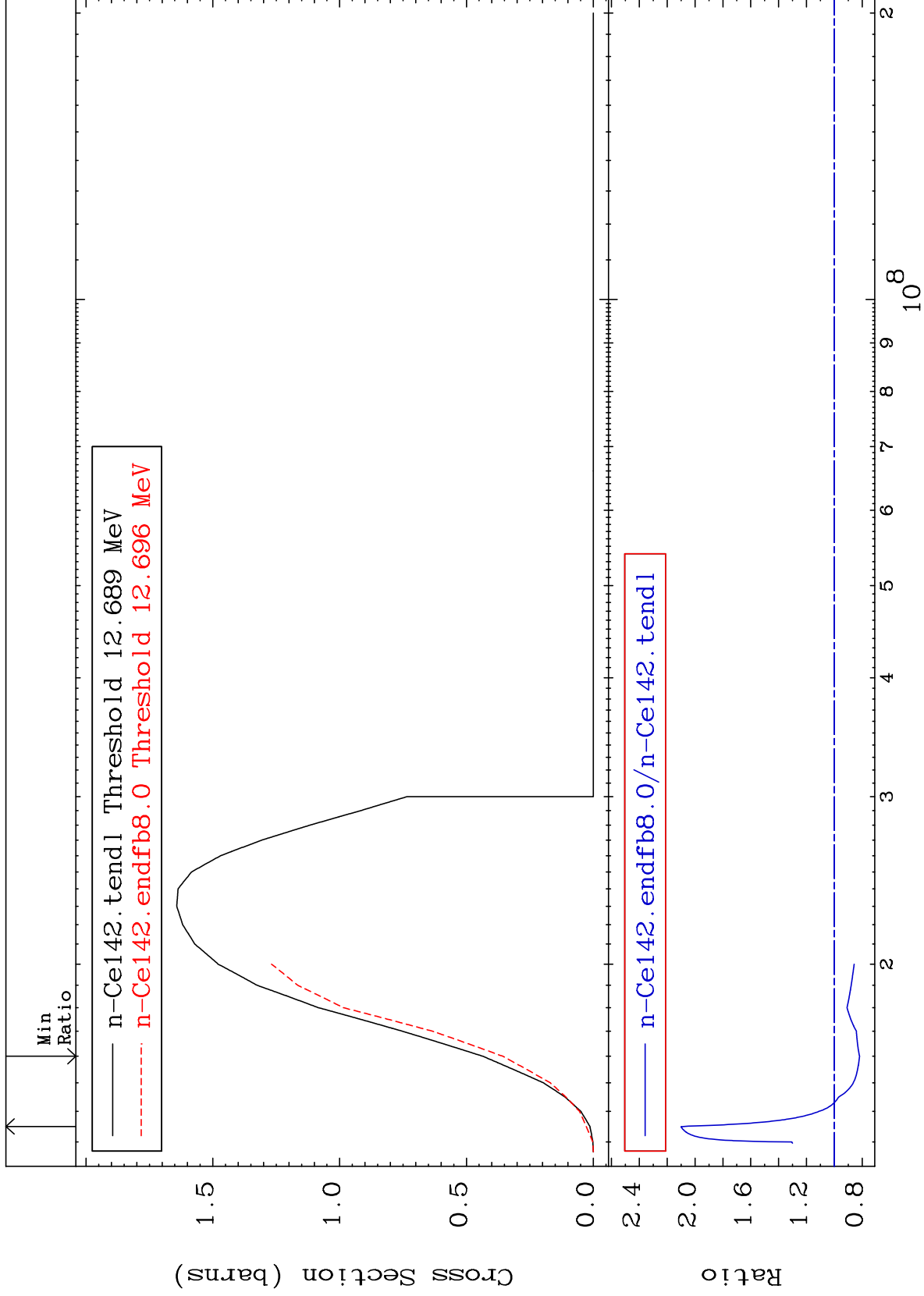
58-Ce-142

58-Ce-142

MAT 5843

(n,3n)
Cross Section

58-Ce-142
-18.10 To 110.2 %



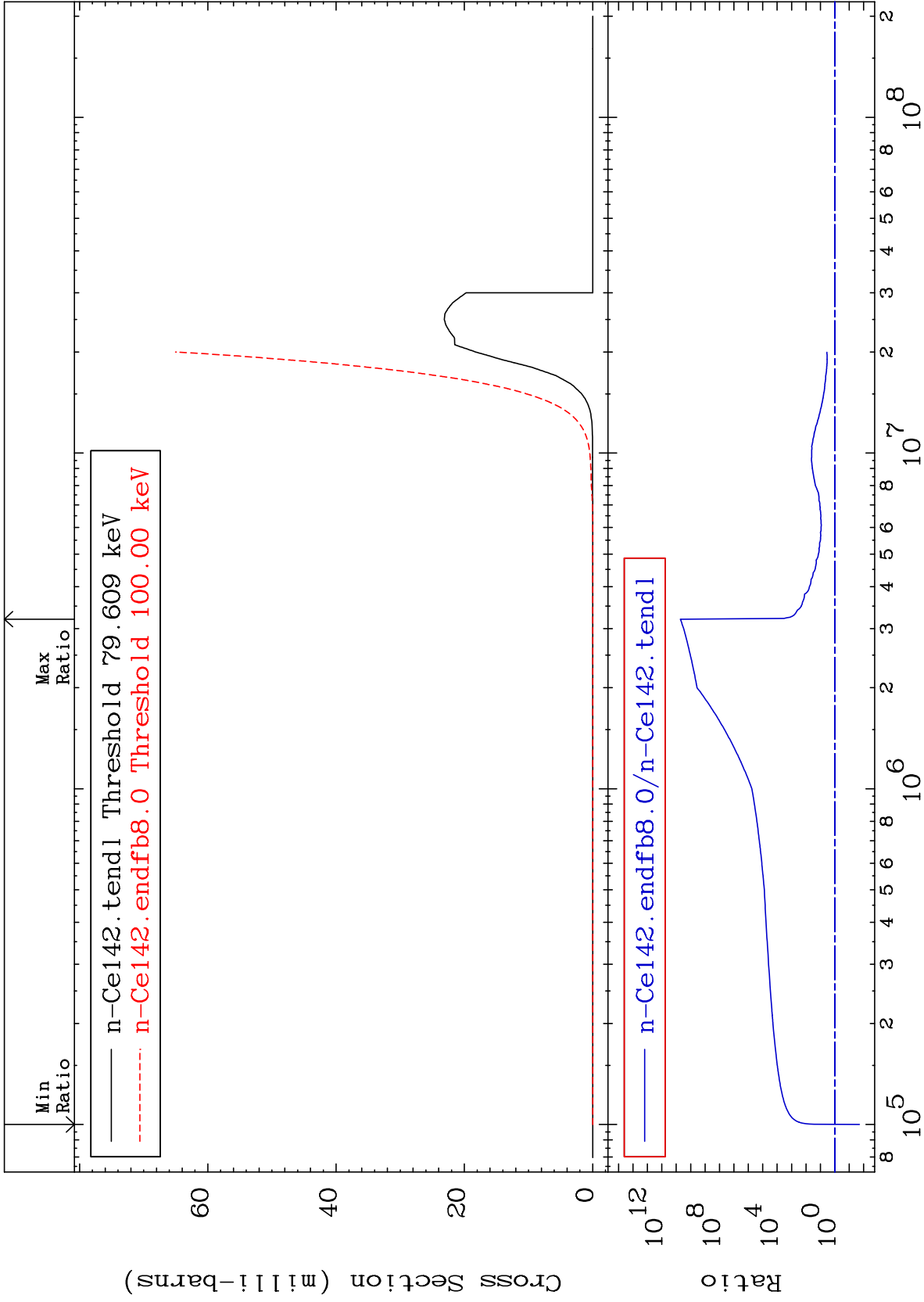
MAT 5843

(n, n') α

58-Ce-142

Cross Section

-98.04 To 9999. %



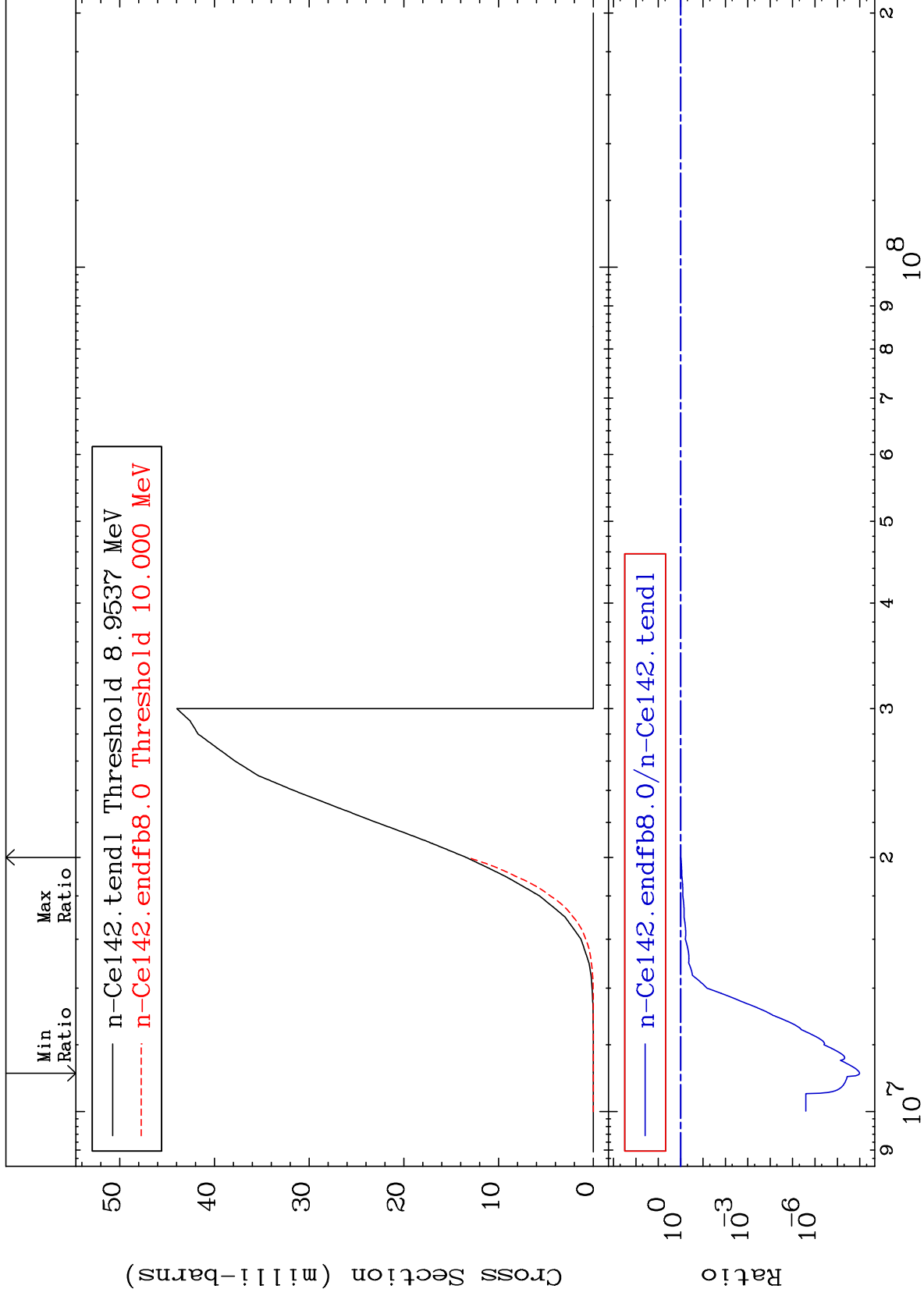
6

58-Ce-142

MAT 5843

(n,n') p
Cross Section

58-Ce-142
-100.0 To -1.111%



7

Incident Energy (eV)

58-Ce-142

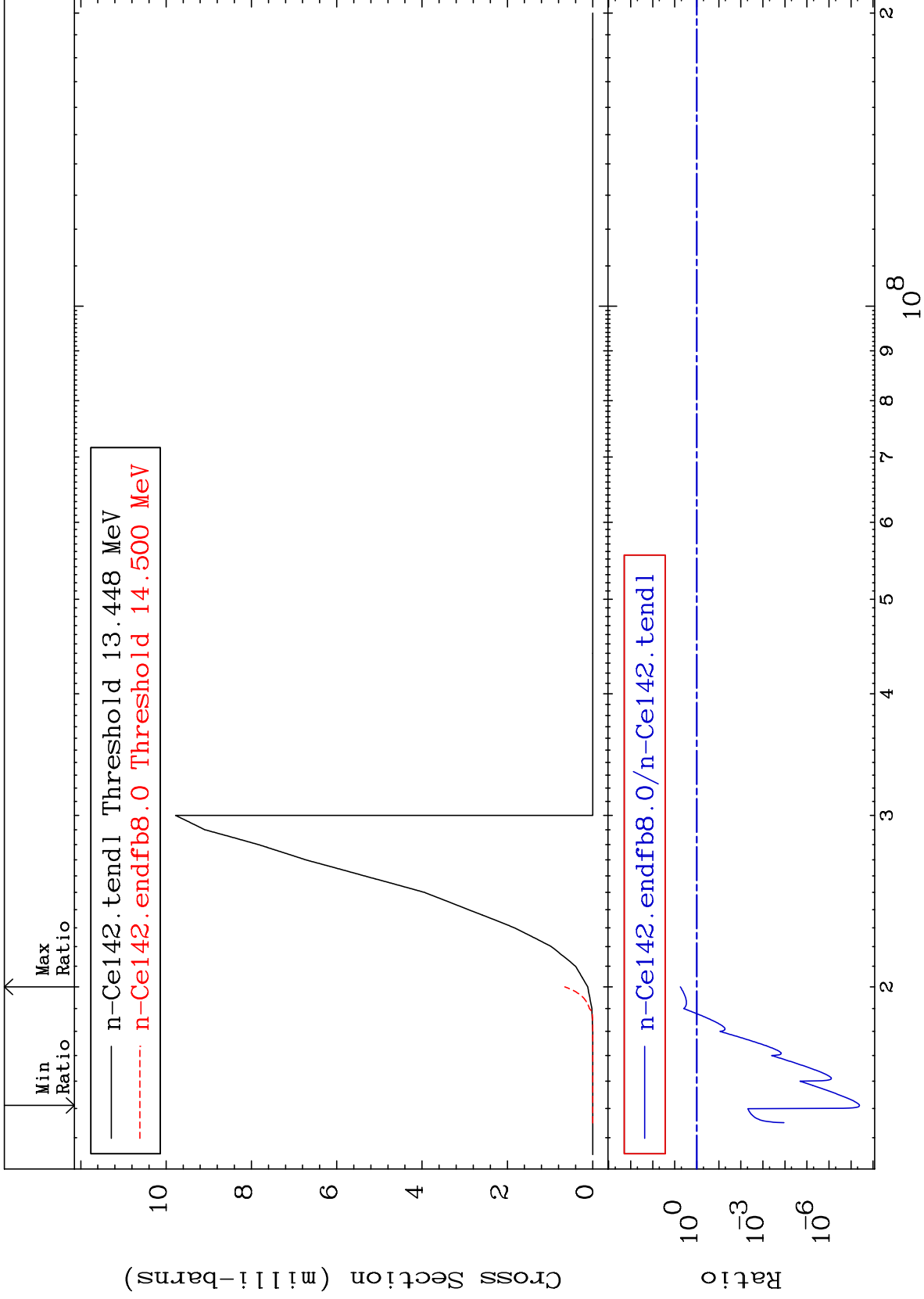
MAT 5843

(n,n') d

58-Ce-142

Cross Section

-100.0 To 455.1 %



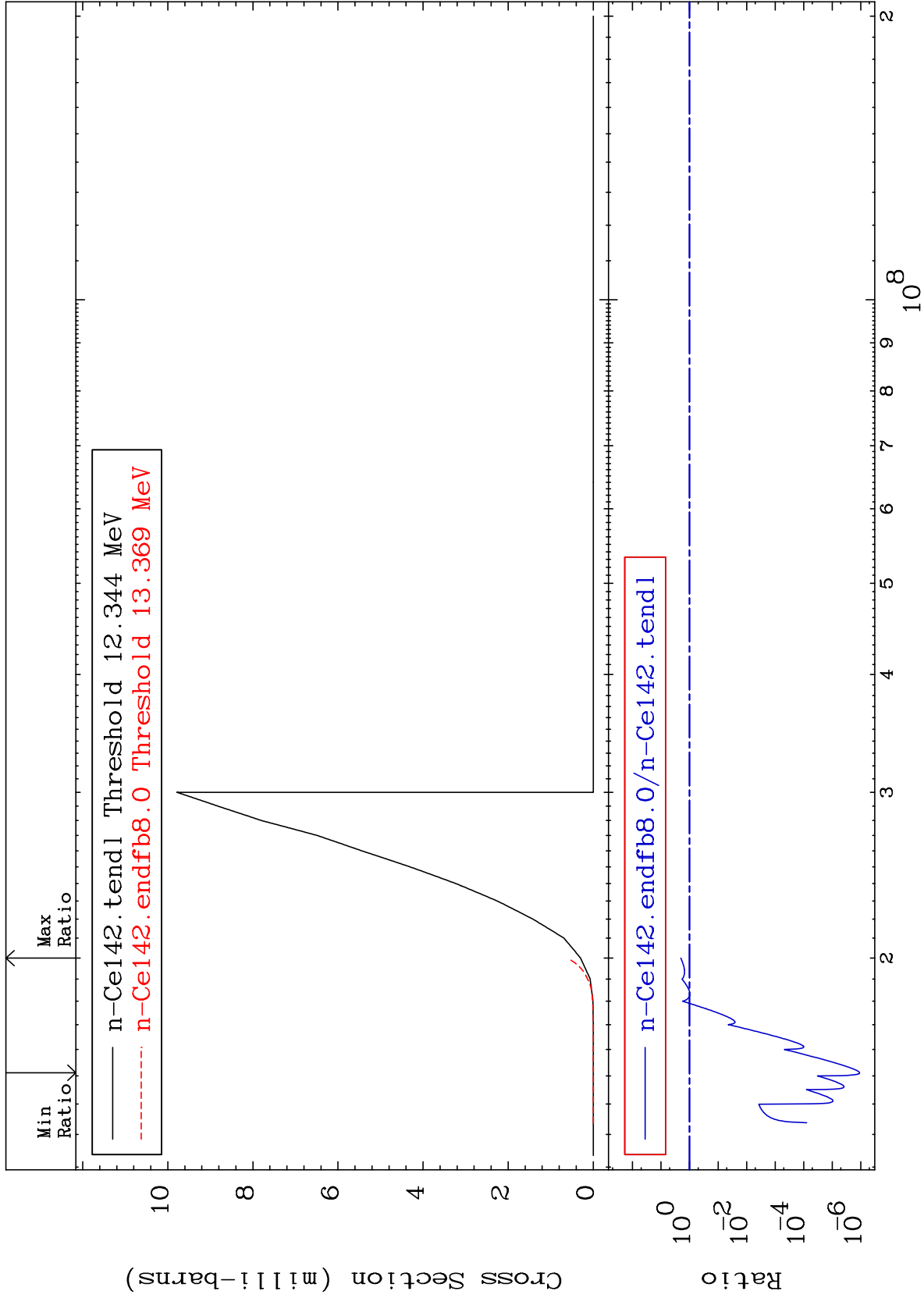
MAT 5843

(n,n') t

58-Ce-142

Cross Section

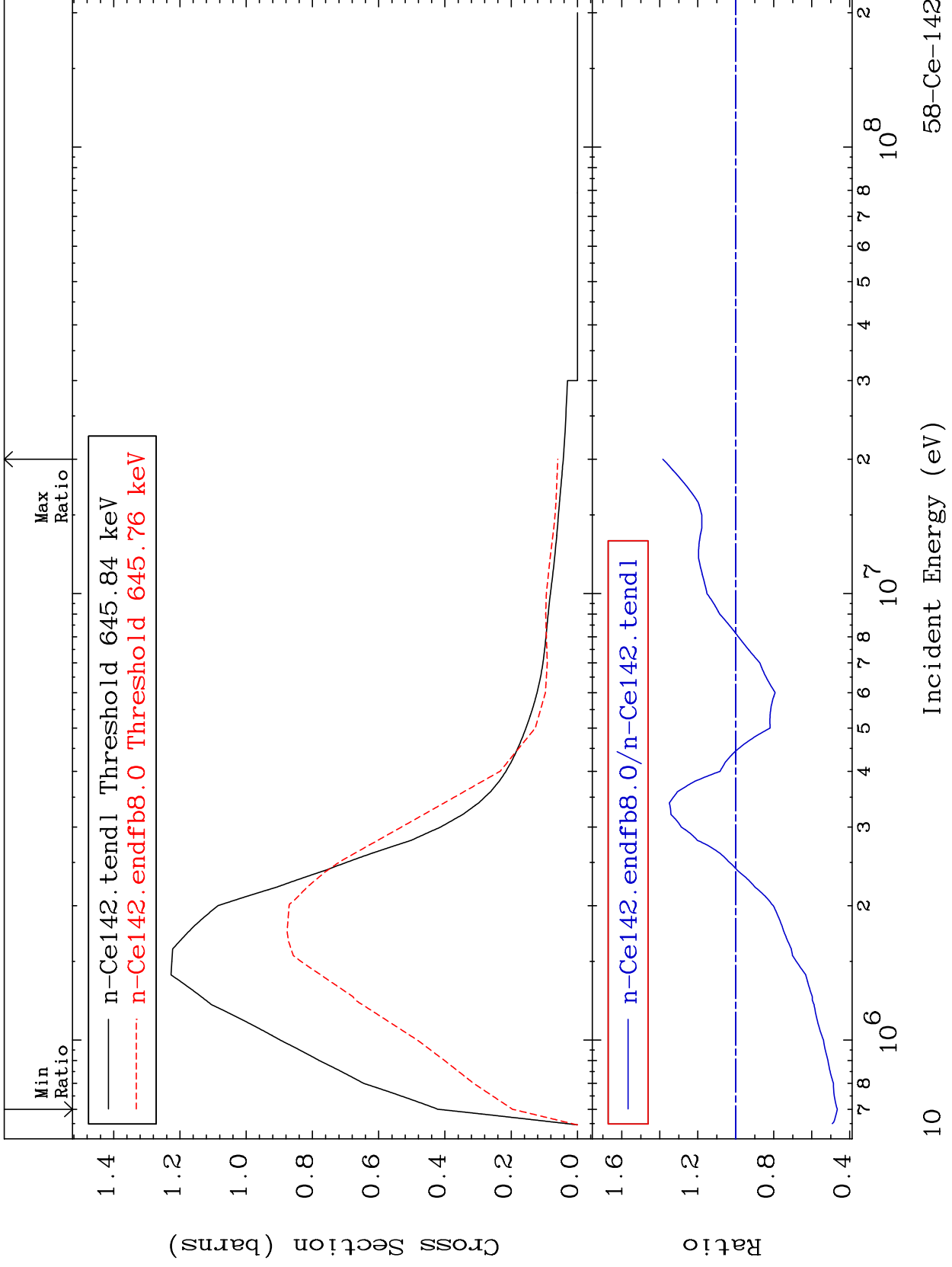
-100.0 To 103.4 %



MAT 5843

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

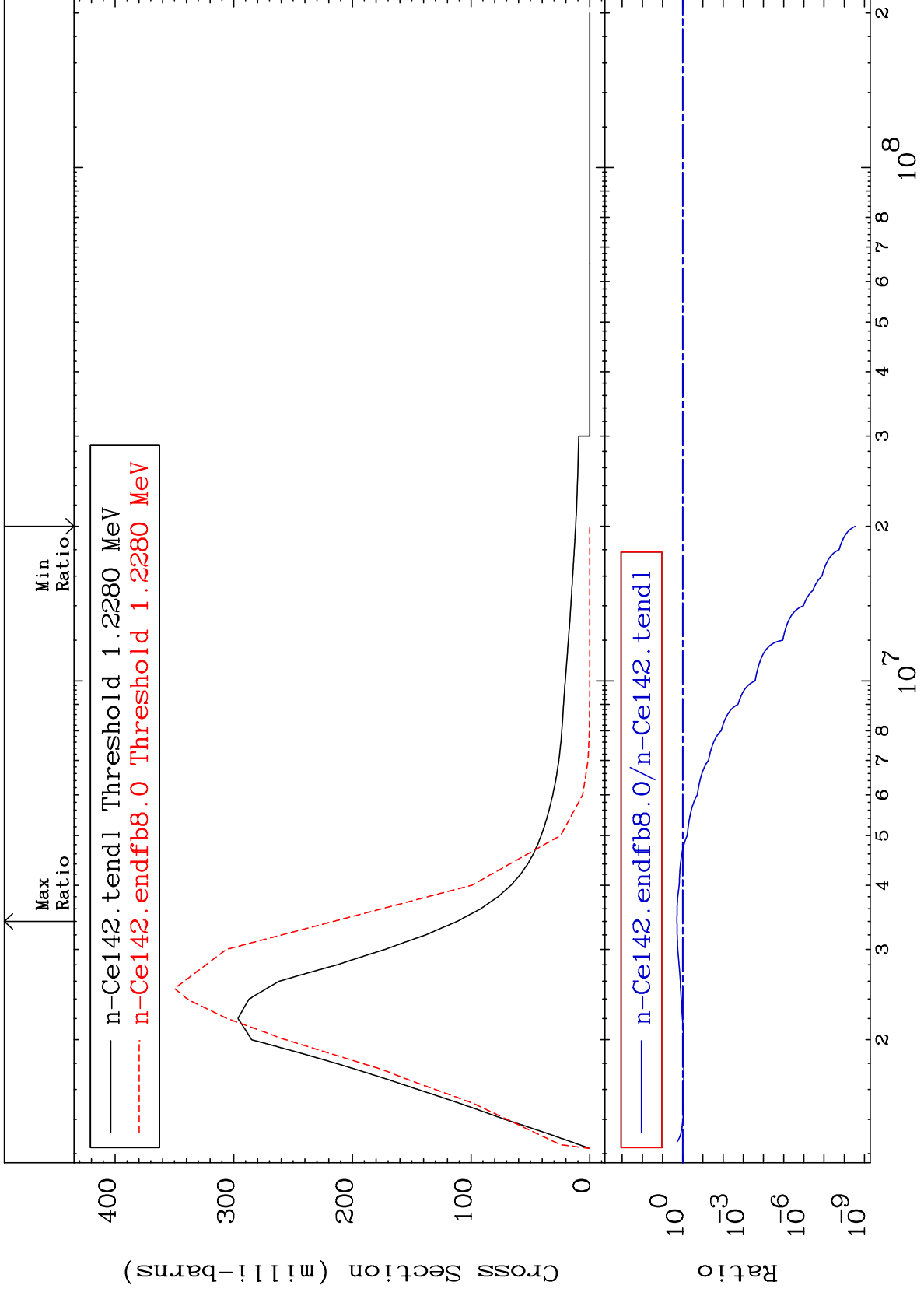
58-Ce-142
-53.46 To 38.40 %



MAT 5843

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

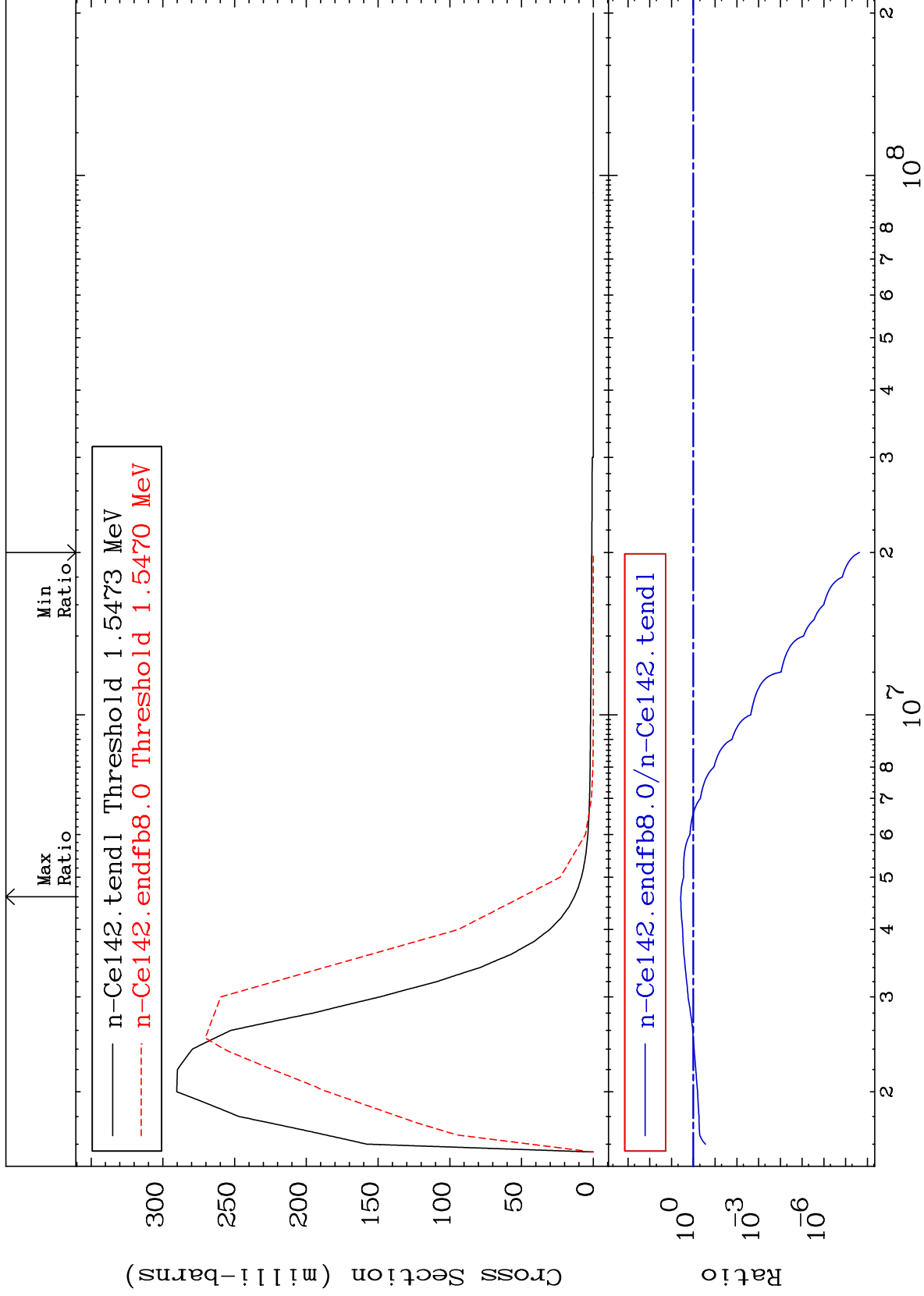
58-Ce-142
-100.0 To 93.57 %



MAT 5843

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

58-Ce-142
-100.0 To 277.4 %



12

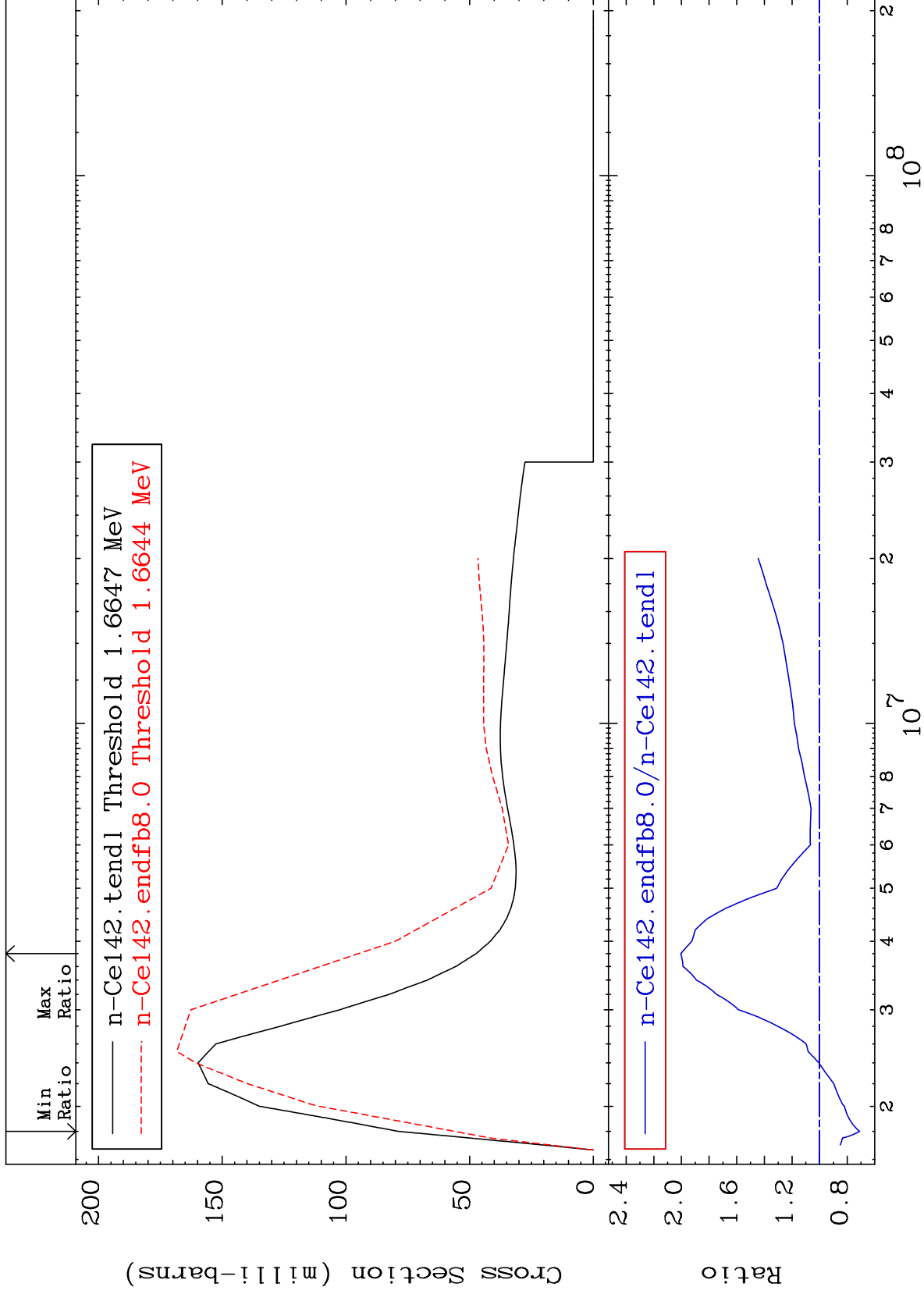
Incident Energy (eV)

58-Ce-142

MAT 5843

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

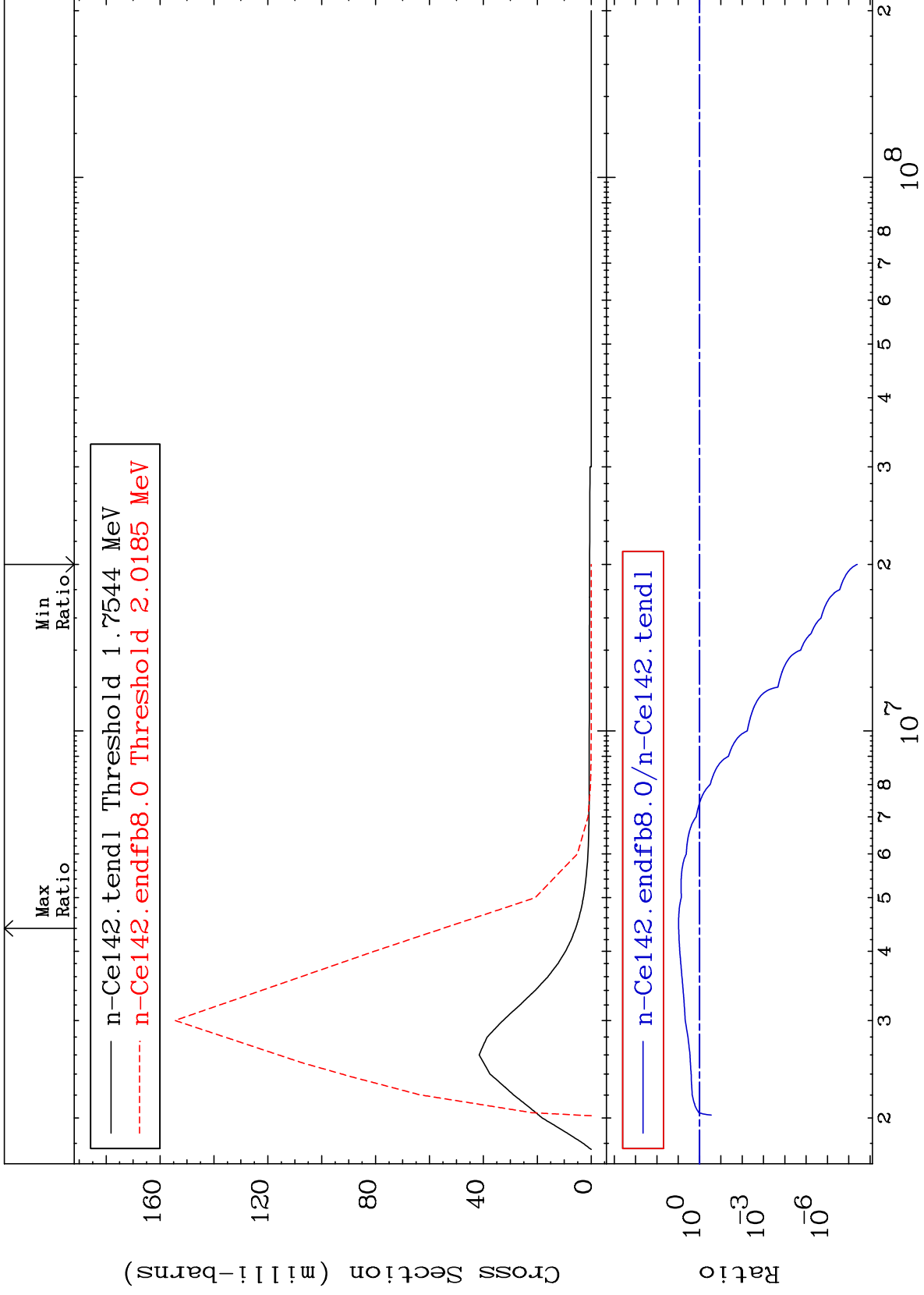
58-Ce-142
-28.88 To 100.5 %



MAT 5843

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

58-Ce-142
-100.0 To 854.2 %



14

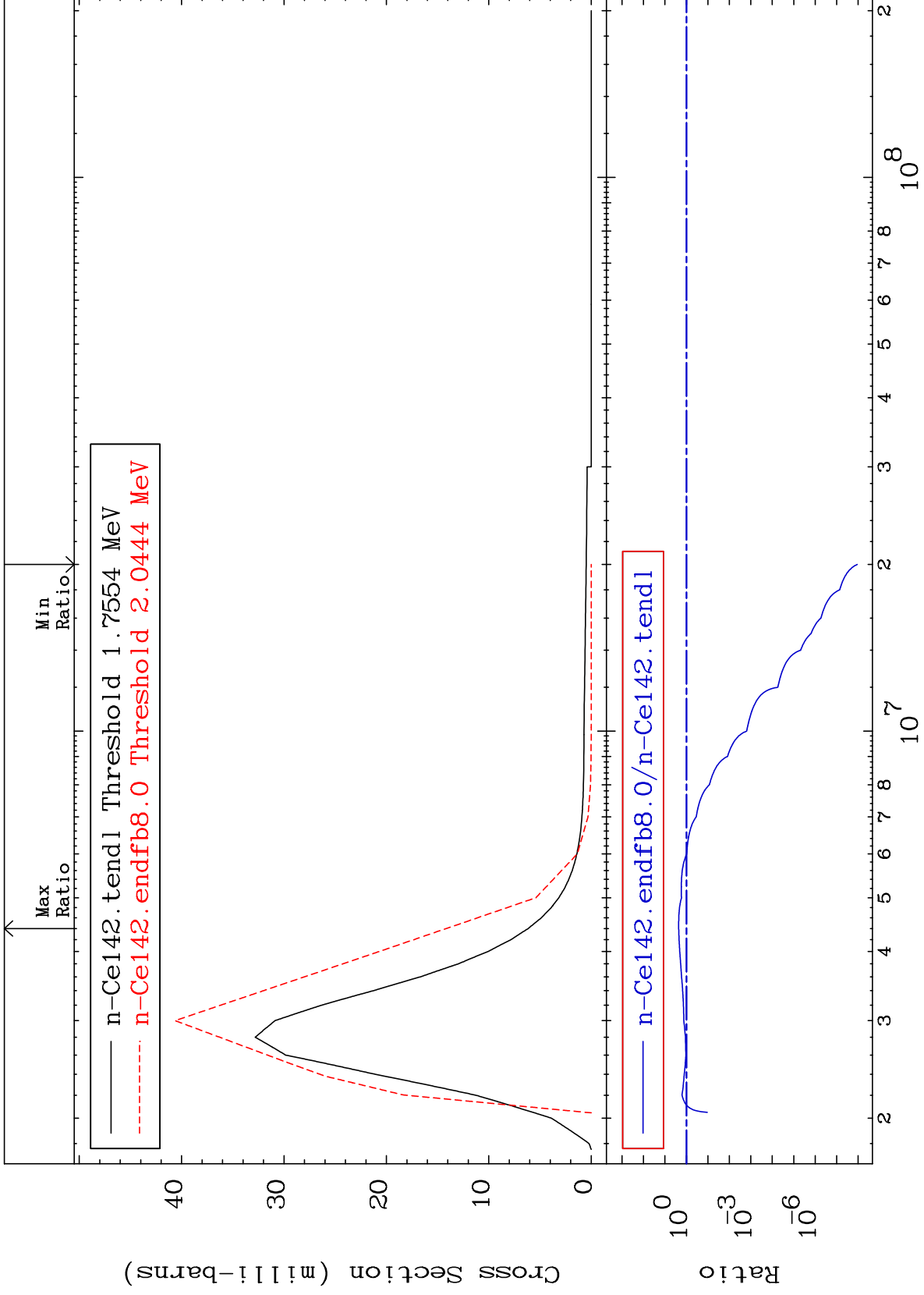
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-100.0 To 130.1 %



15

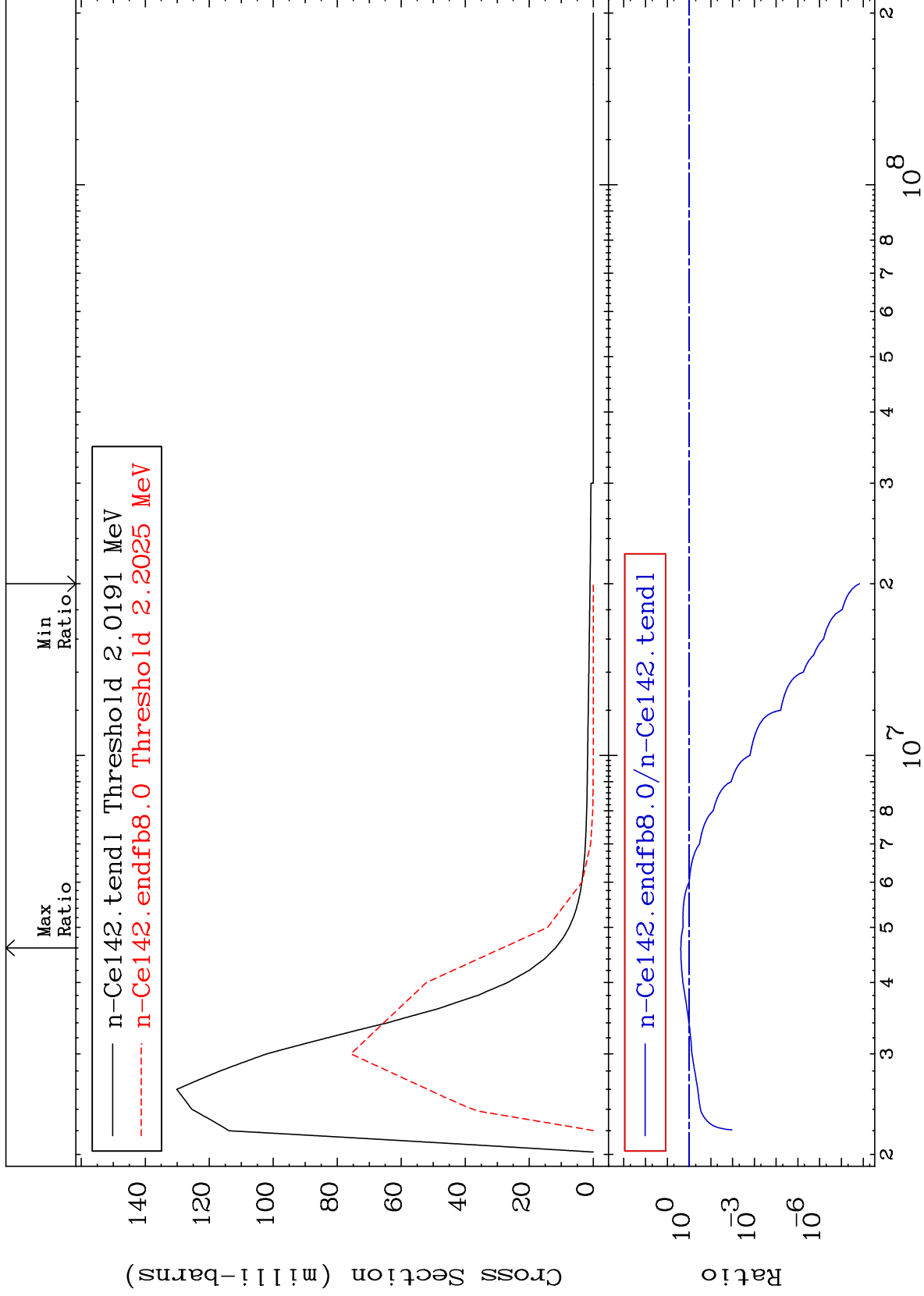
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-100.0 To 141.0 %



16

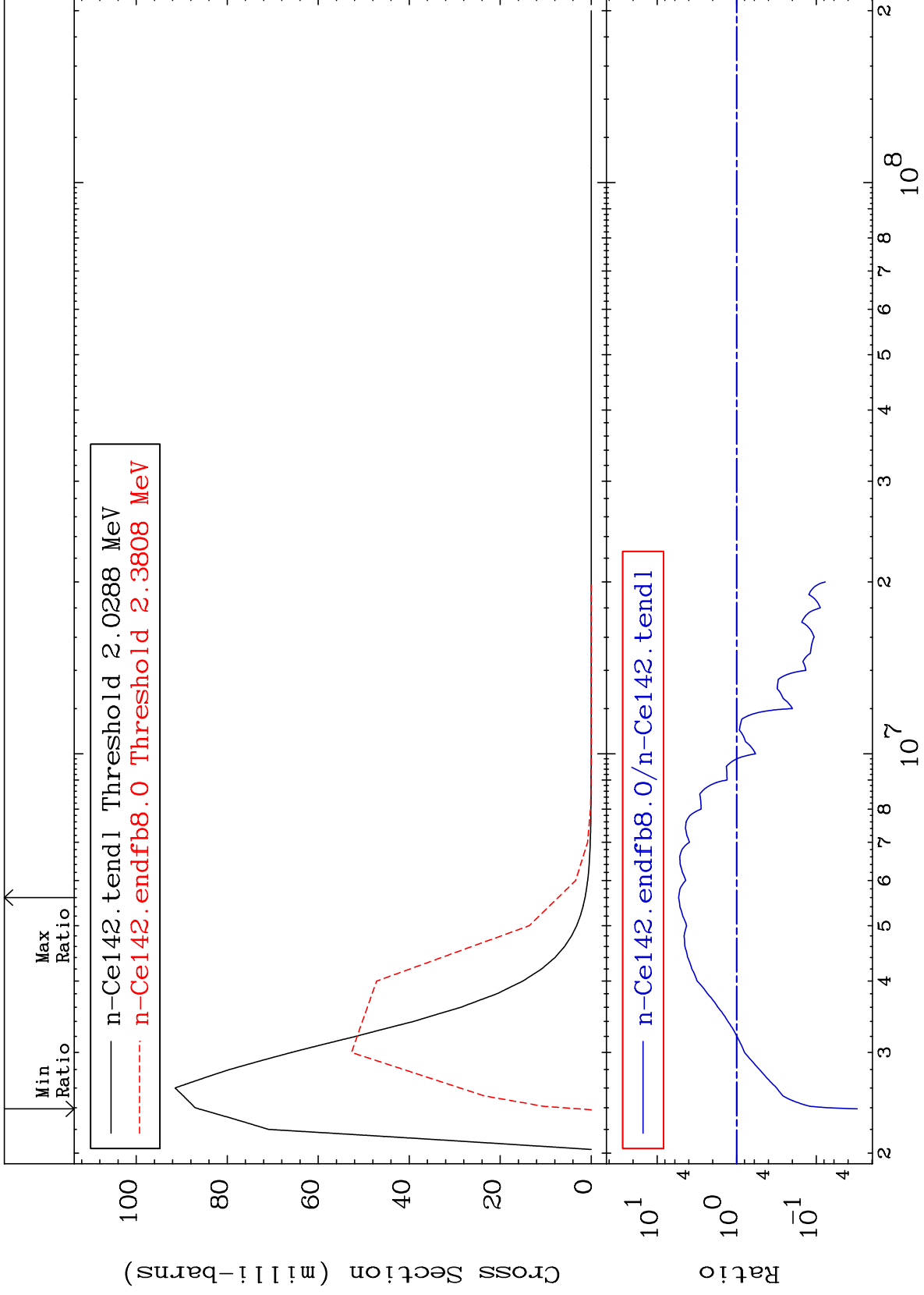
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-96.94 To 436.1 %



17

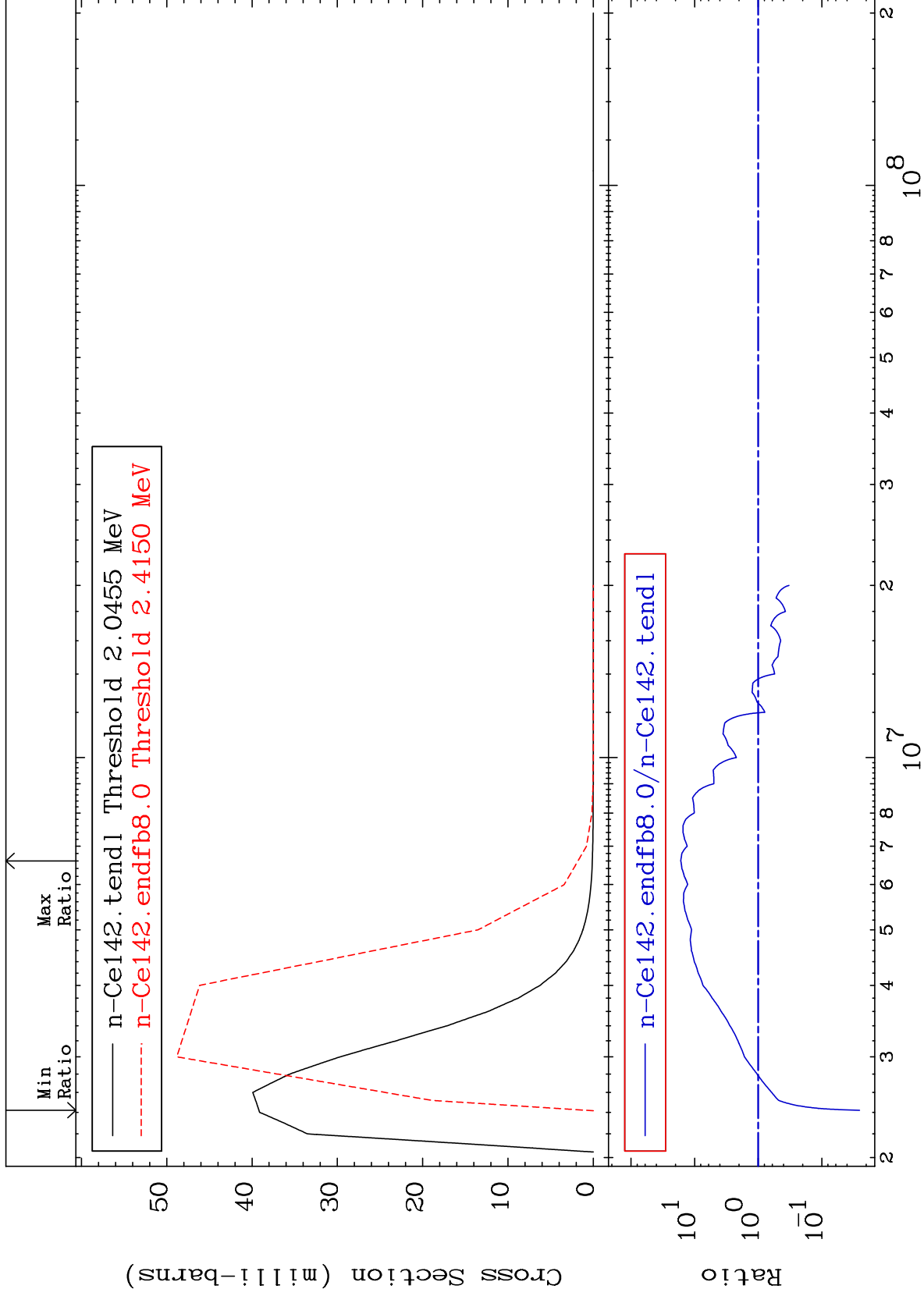
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-97.45 To 1551. %



18

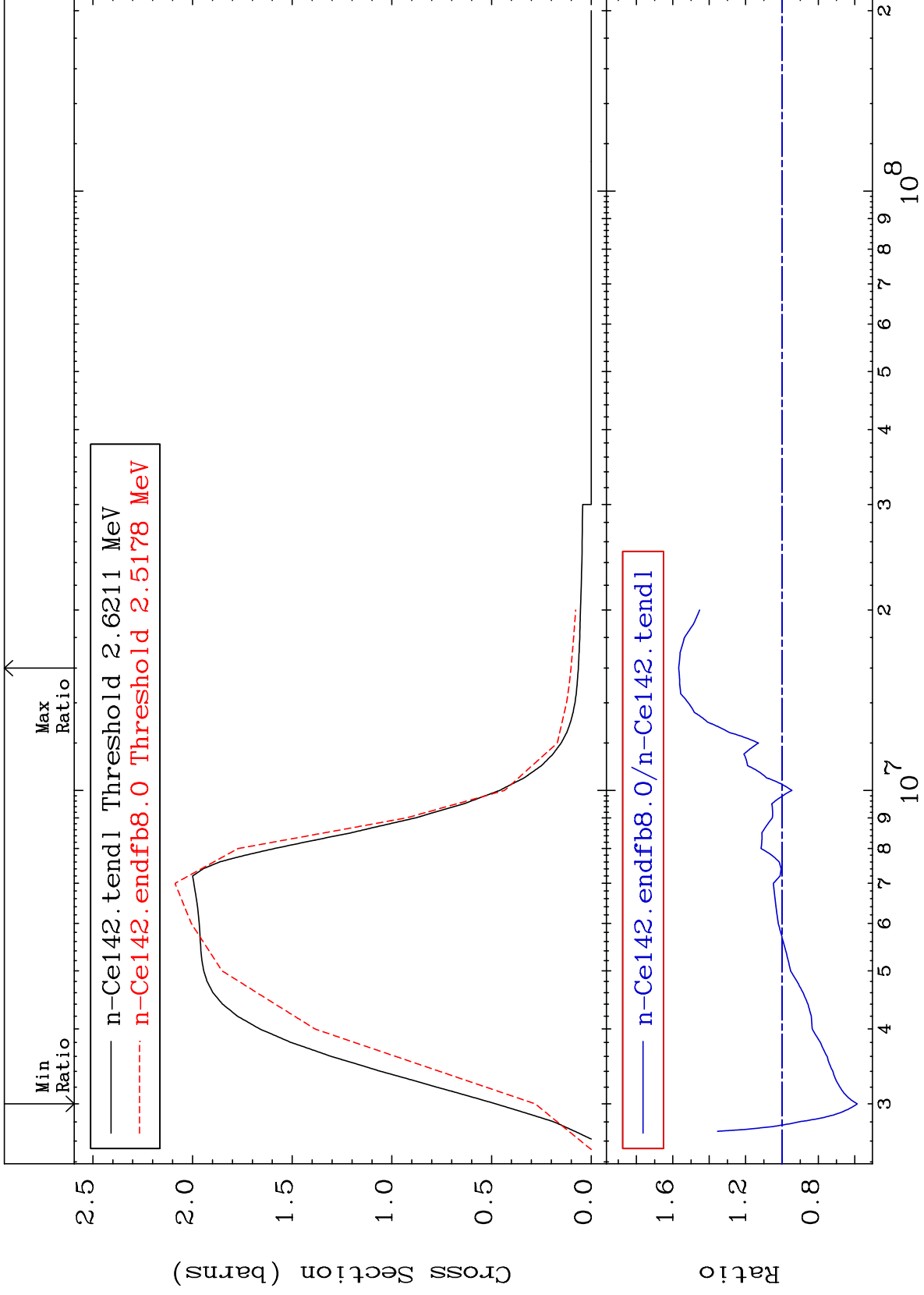
Incident Energy (eV)

58-Ce-142

MAT 5843

(n, n') Continuum
Cross Section

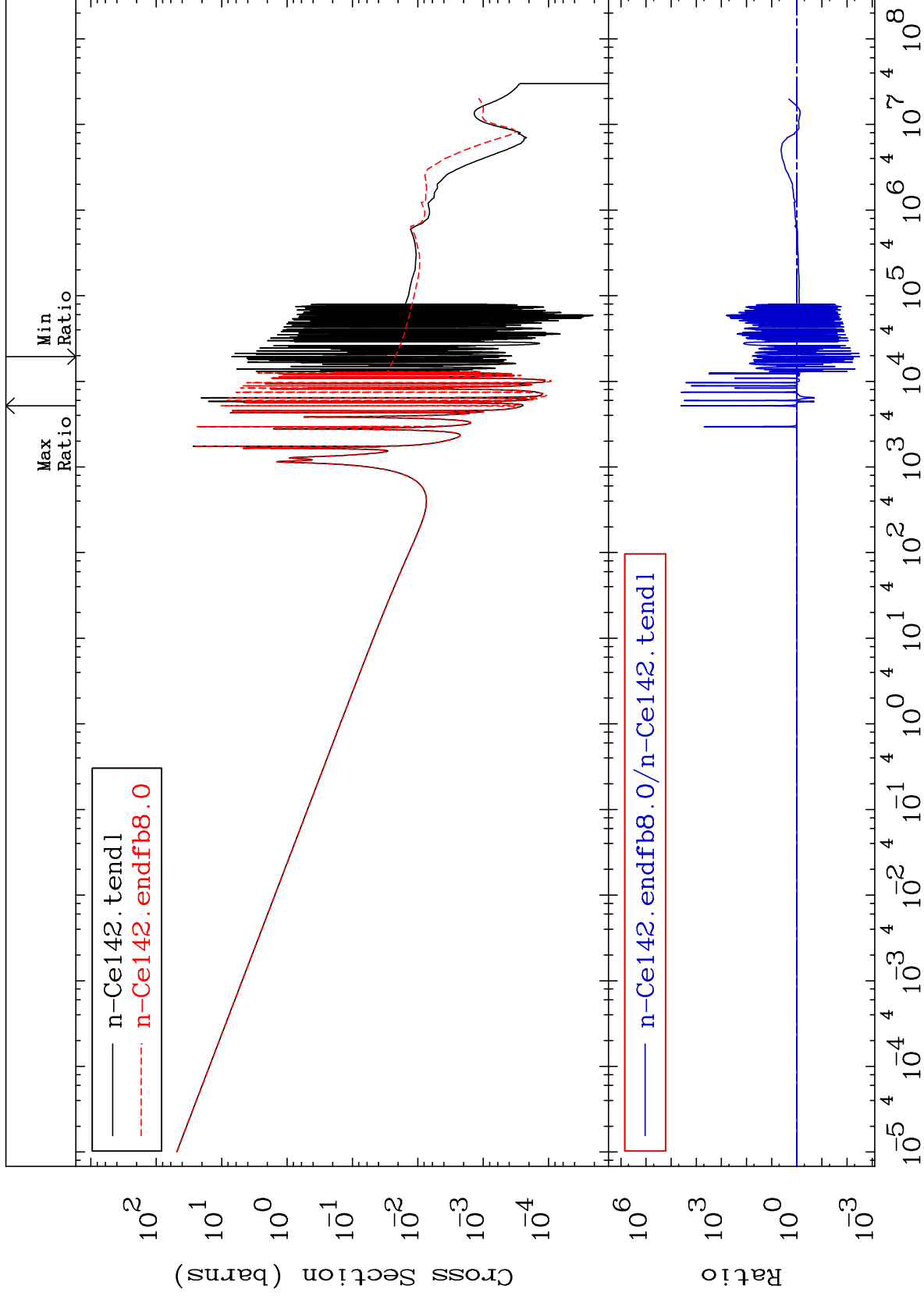
58-Ce-142
-41.38 To 56.80 %



MAT 5843

(n, γ)
Cross Section

58-Ce-142
-99.68 To 9999. %



20

Incident Energy (eV)

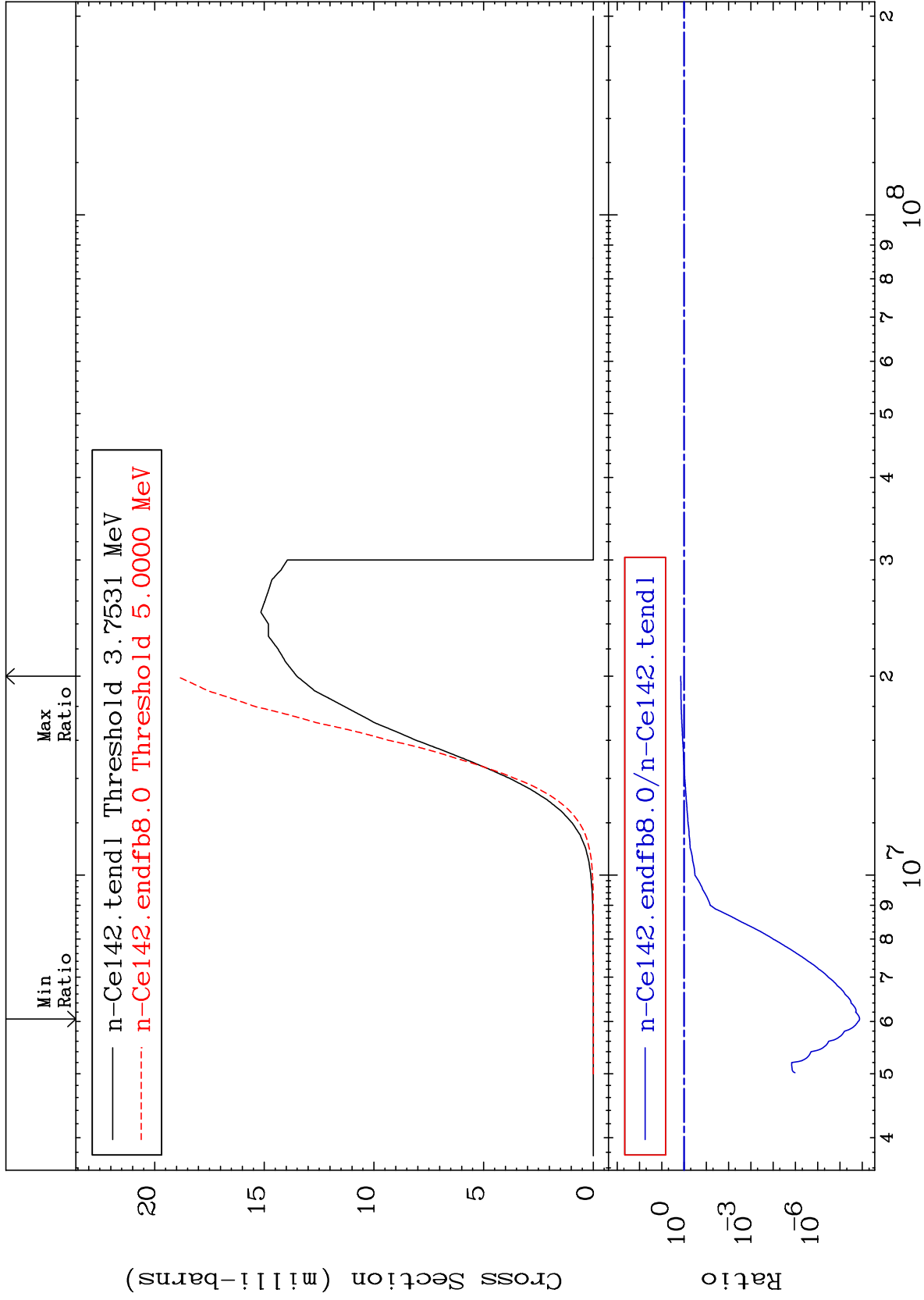
58-Ce-142

MAT 5843

58-Ce-142

(n,p)
Cross Section

-100.0 To 40.54 %



21

Incident Energy (eV)

58-Ce-142

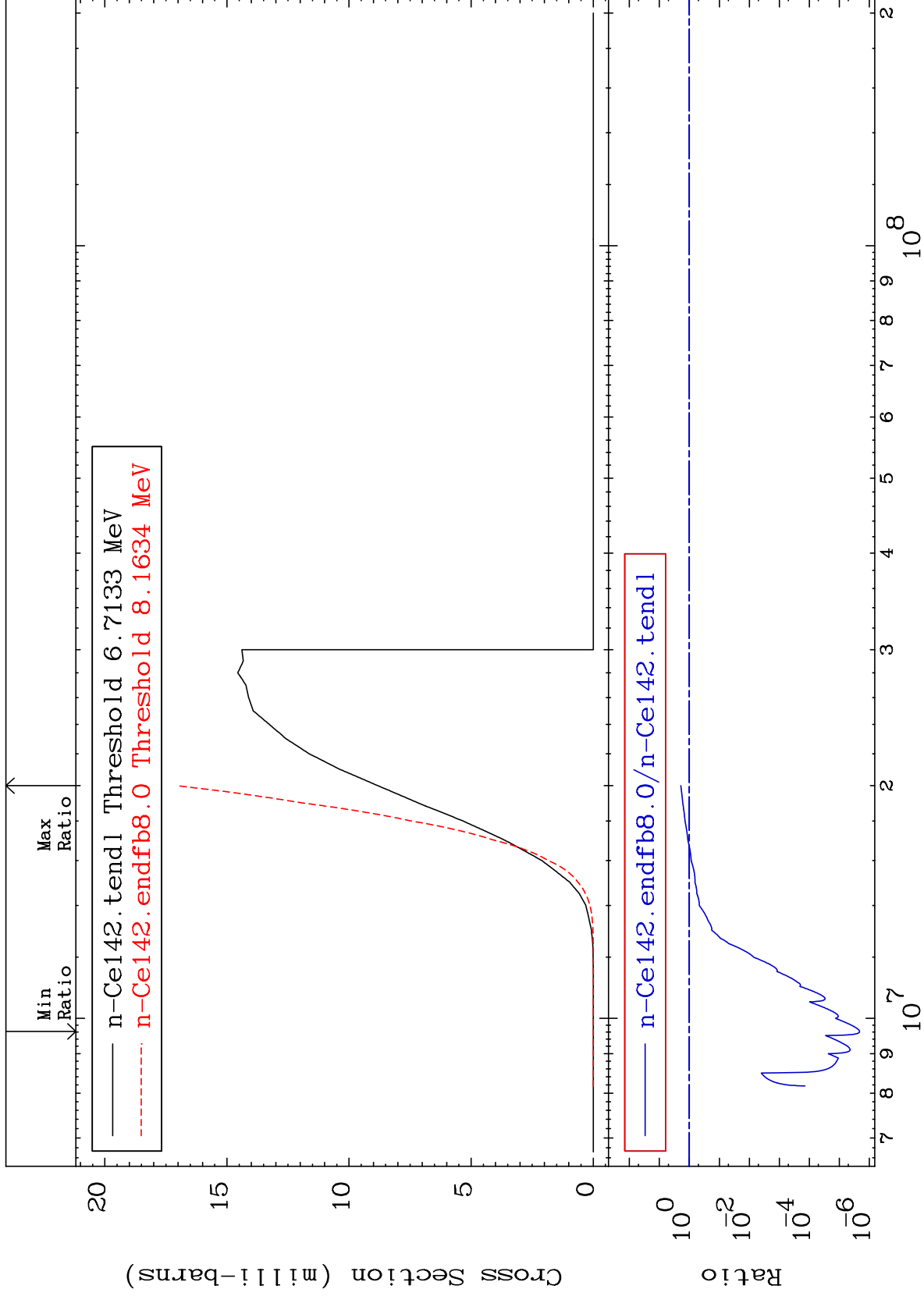
MAT 5843

(n, d)

58-Ce-142

Cross Section

-100.0 To 93.31 %



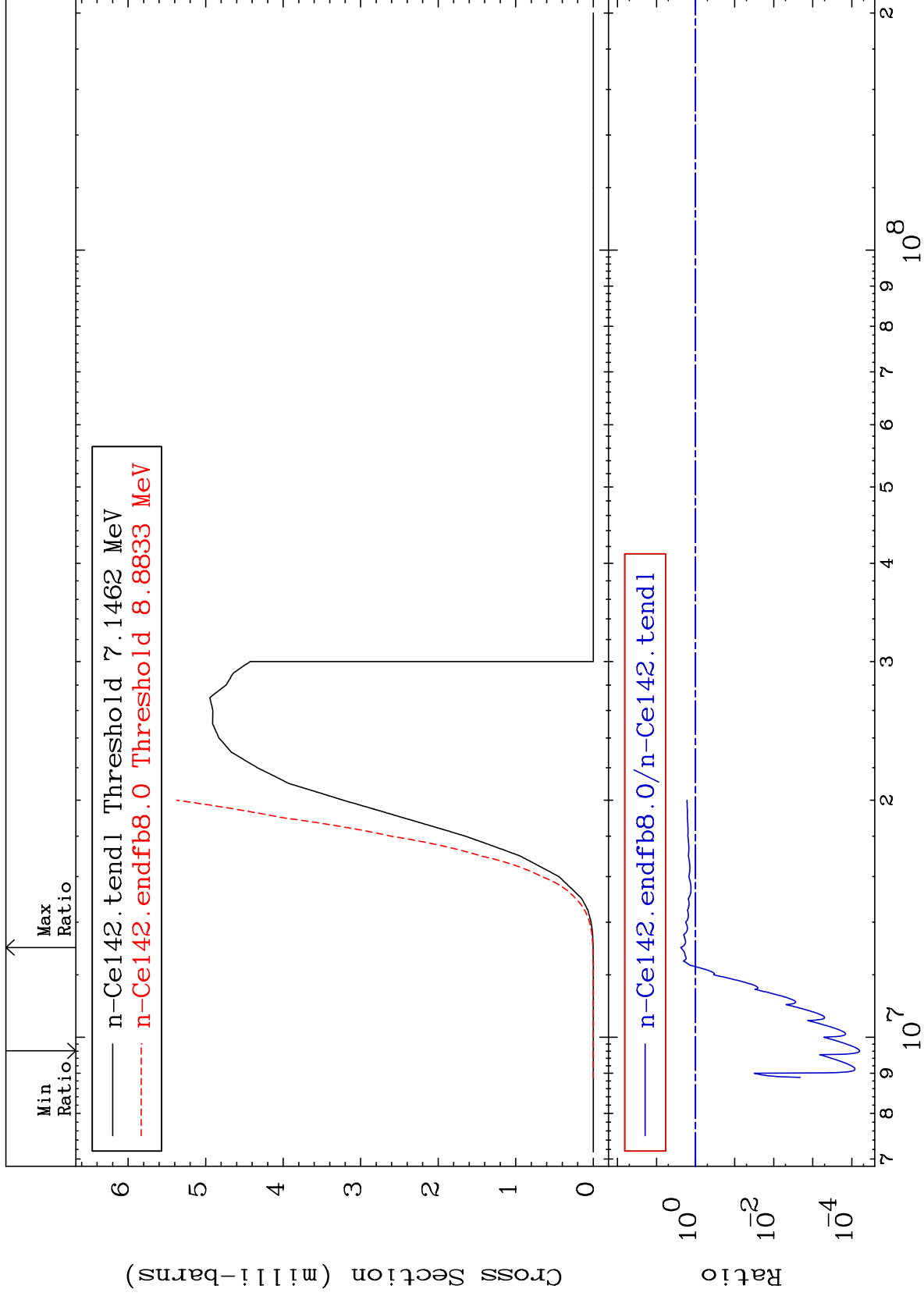
MAT 5843

(n, t)

58-Ce-142

Cross Section

-99.99 To 139.8 %



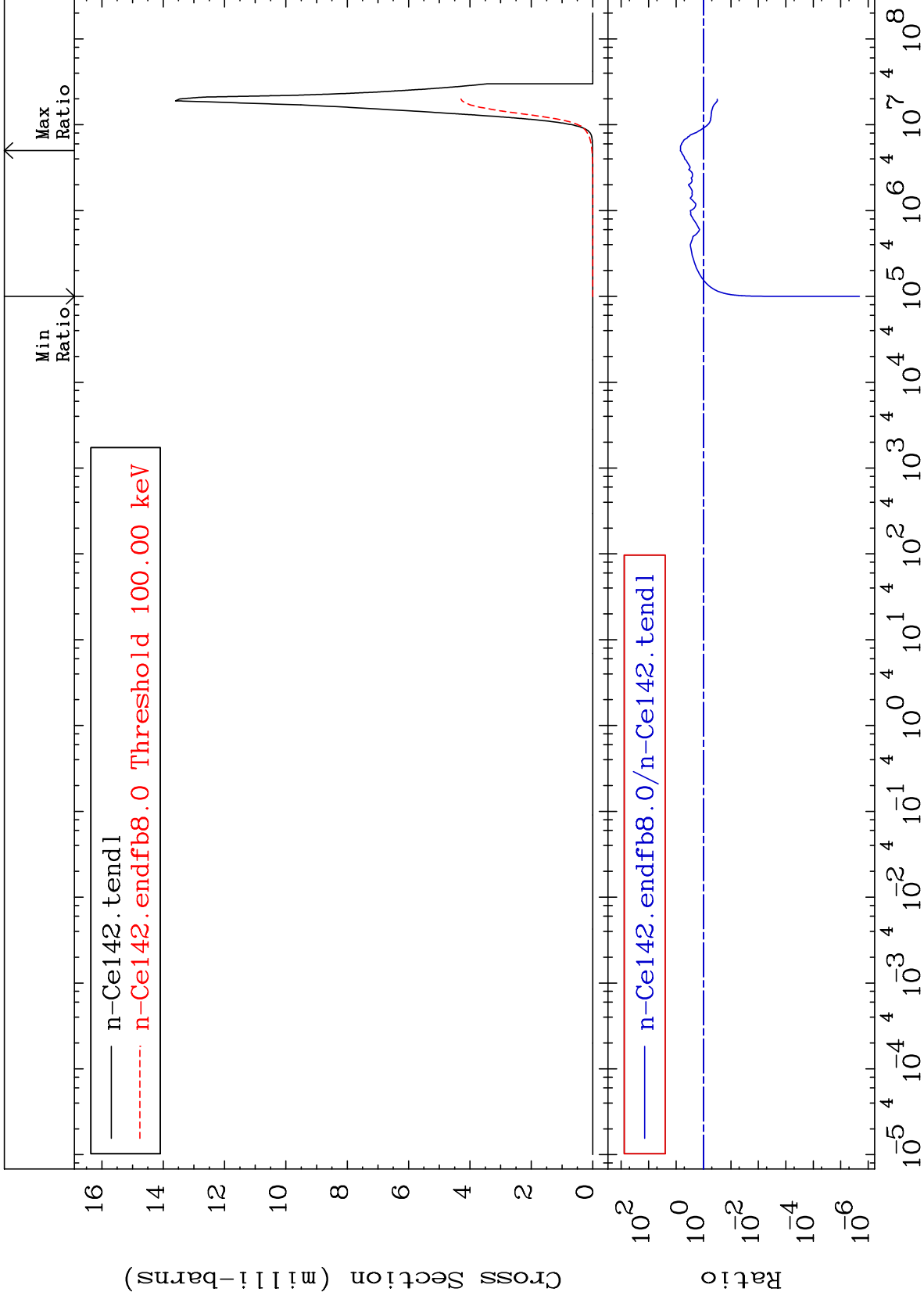
MAT 5843

(n, α)

58-Ce-142

Cross Section

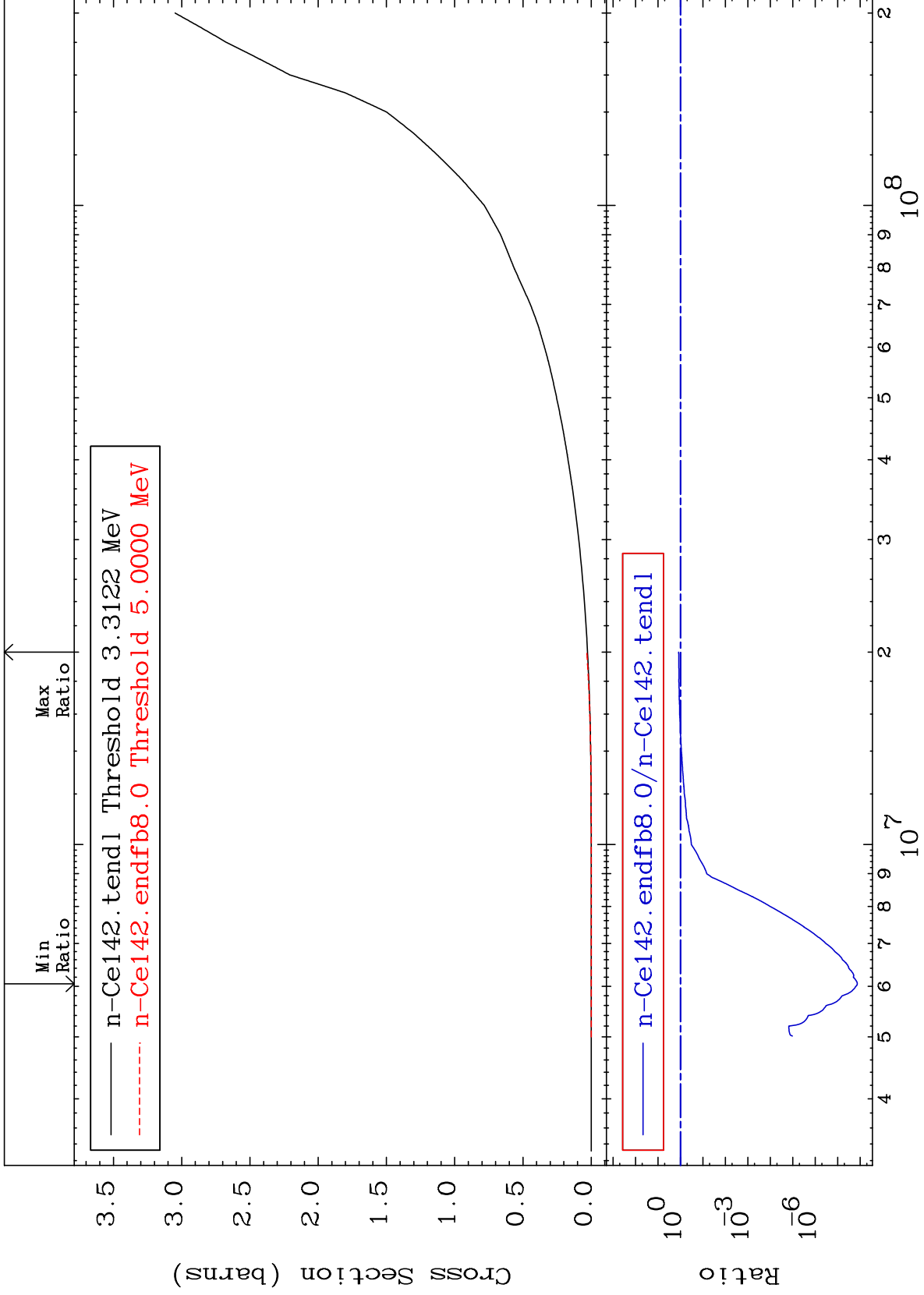
-100.0 To 596.7 %



MAT 5843

Hydrogen Production
Cross Section

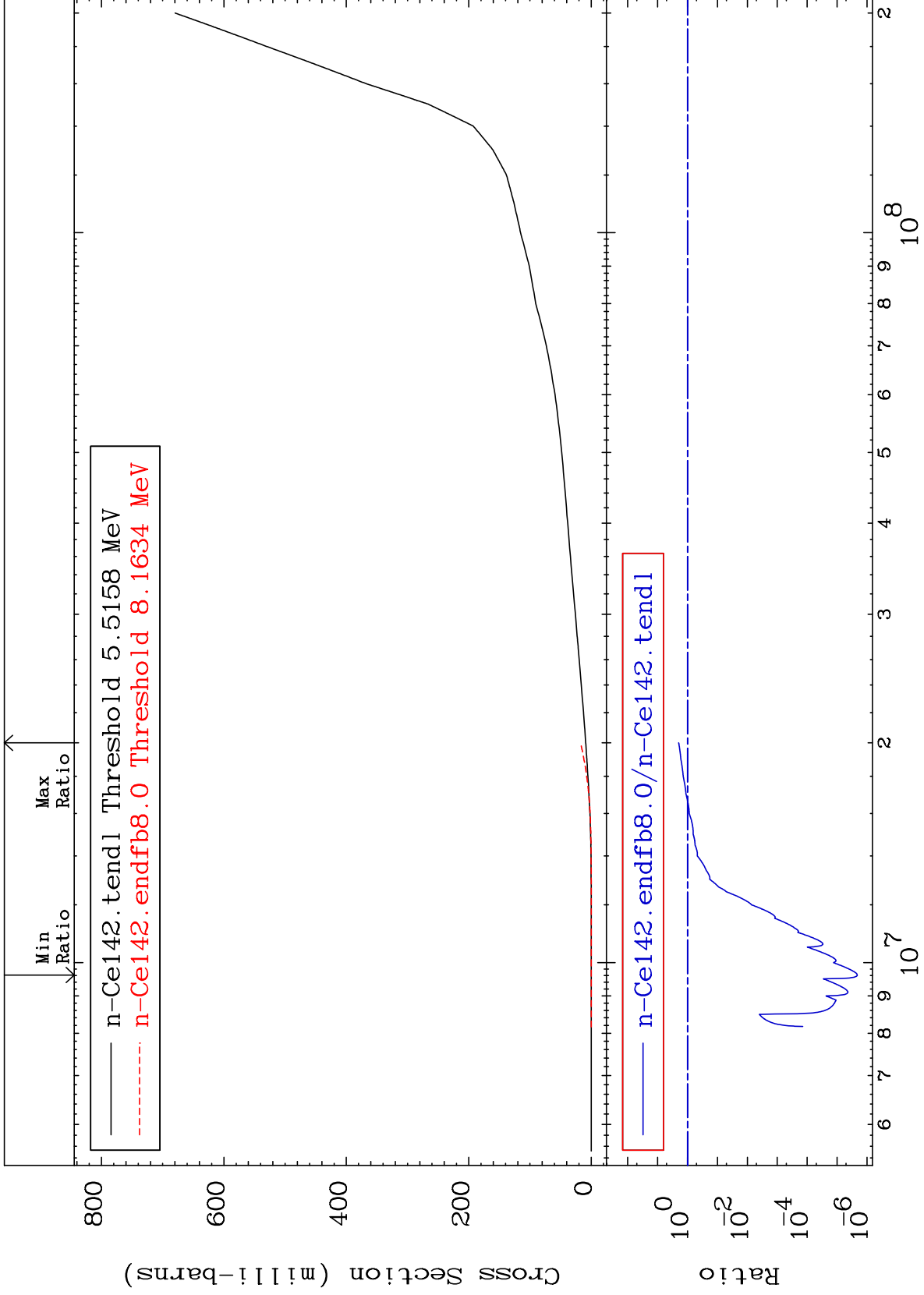
58-Ce-142
-100.0 To 19.67 %



MAT 5843

Deuterium Production
Cross Section

58-Ce-142
-100.0 To 98.09 %



26

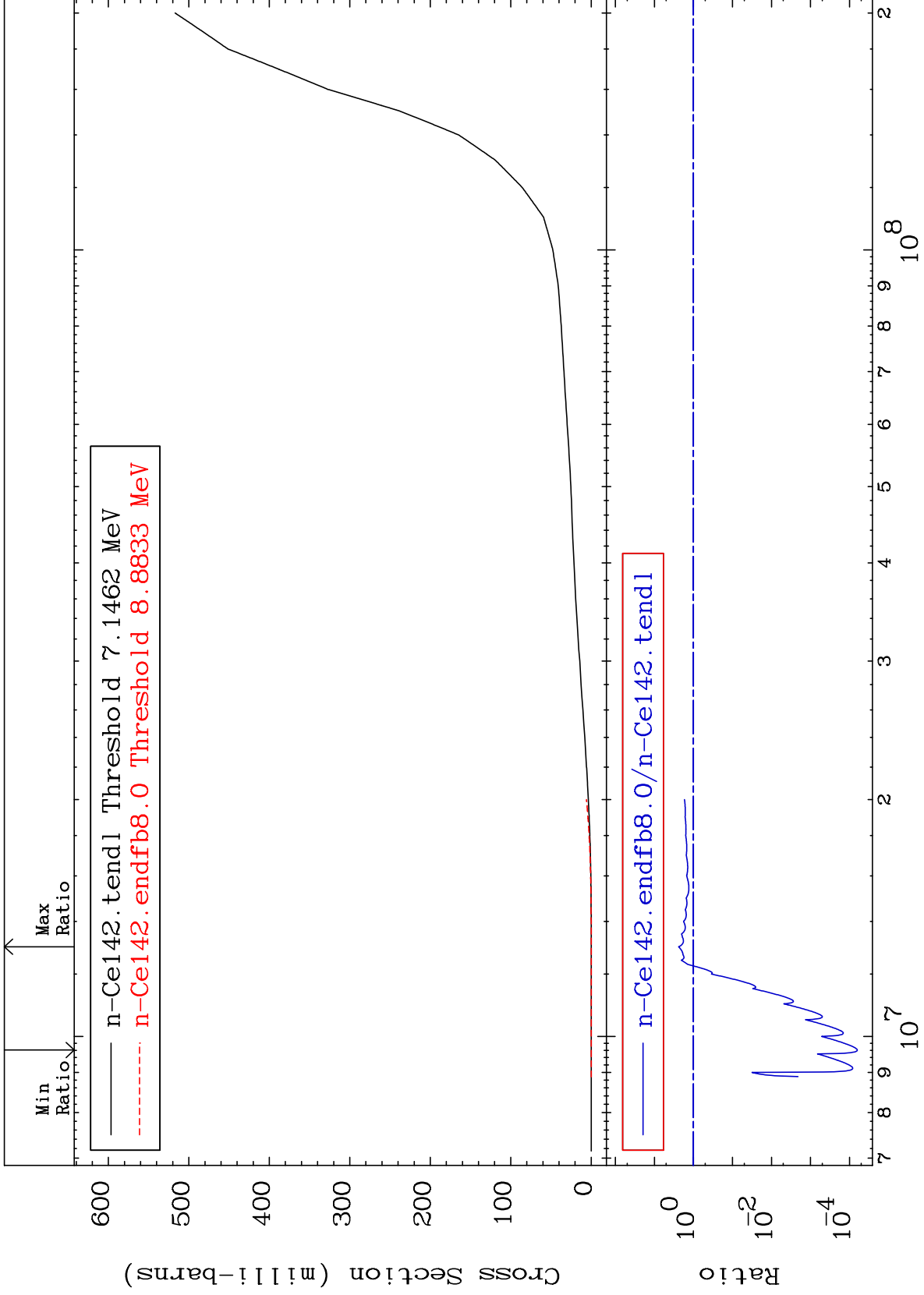
Incident Energy (eV)

58-Ce-142

MAT 5843

Tritium Production
Cross Section

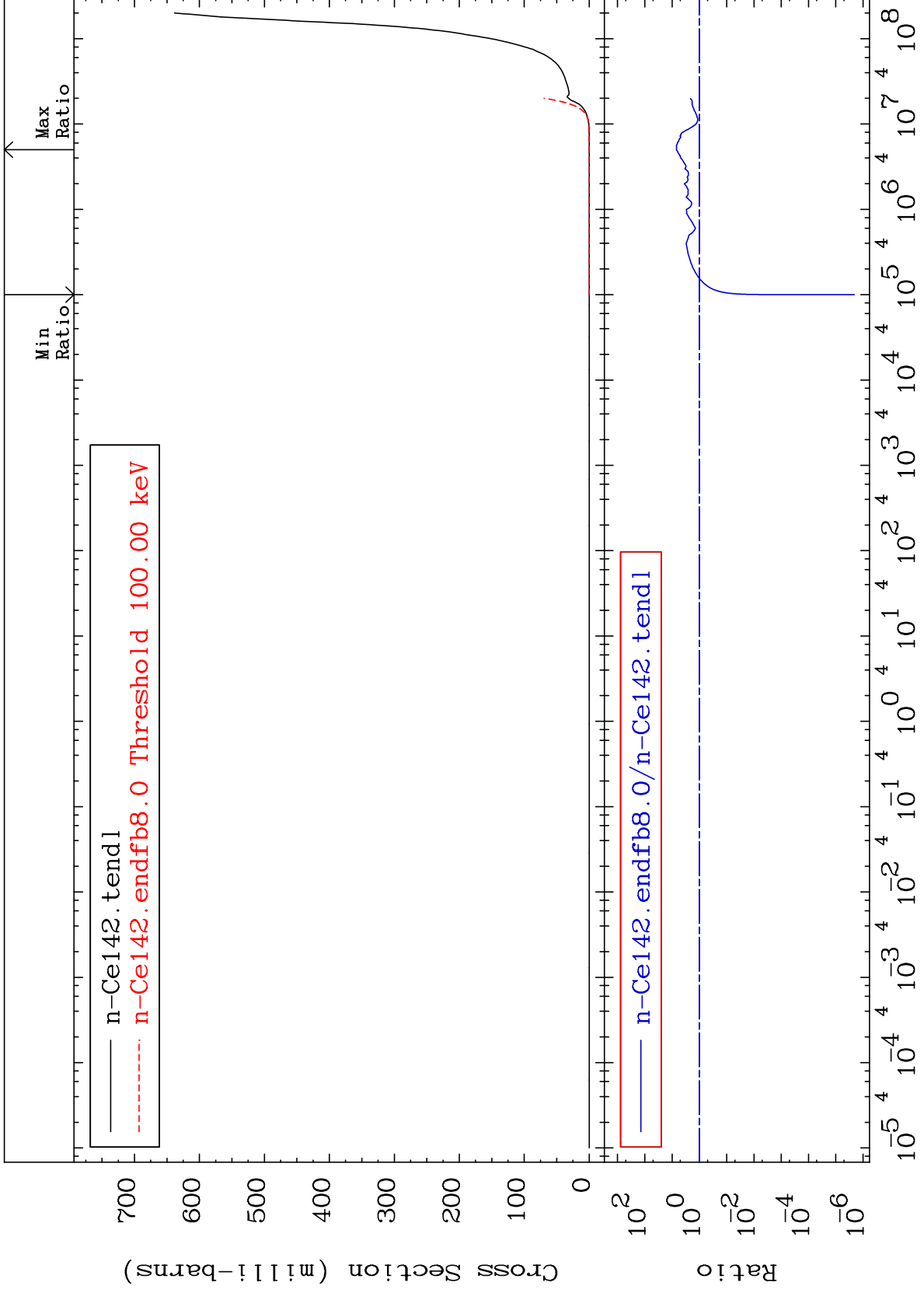
58-Ce-142
-99.99 To 139.8 %



MAT 5843

He-4 Production
Cross Section

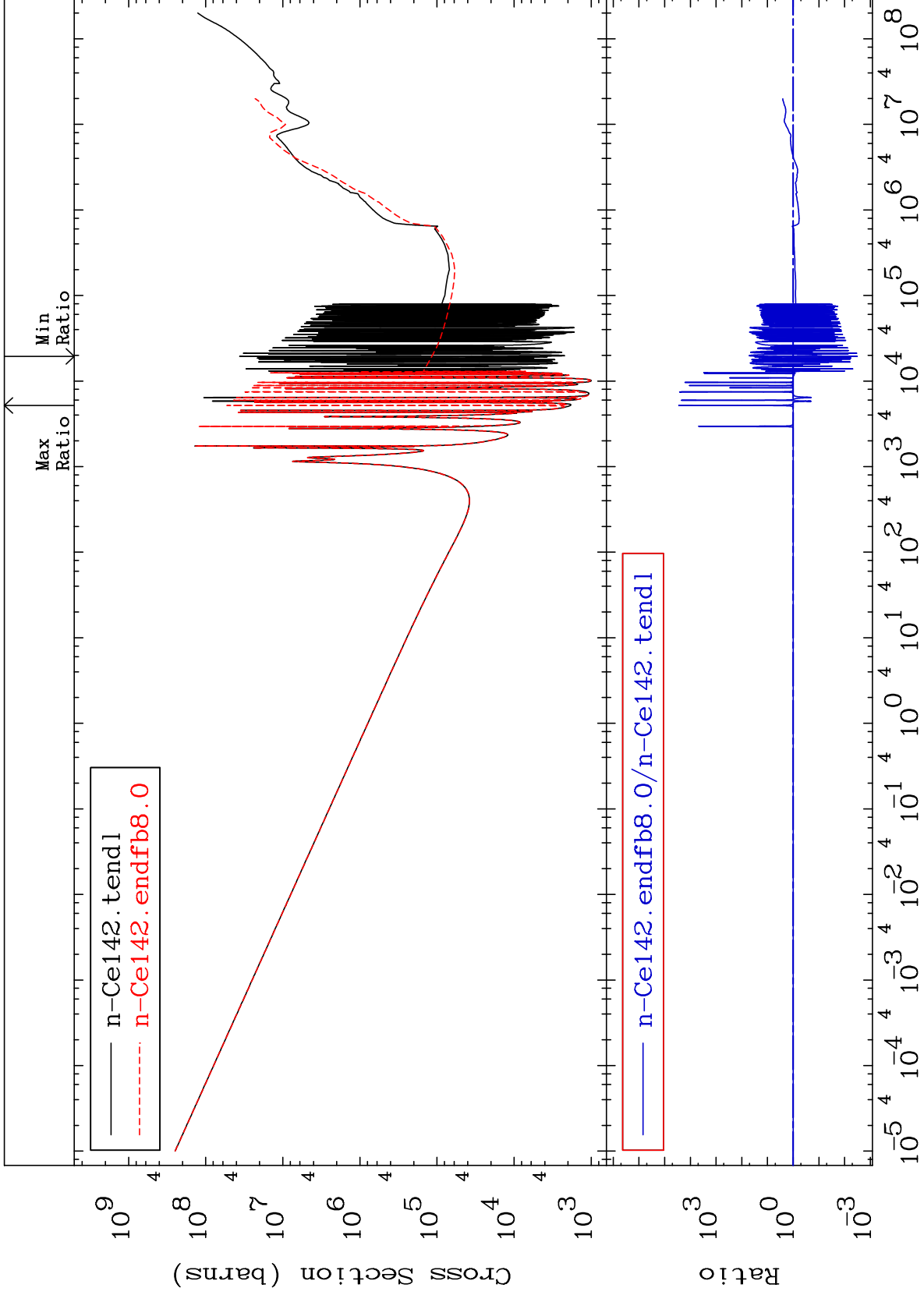
58-Ce-142
-100.0 To 597.9 %



28

Incident Energy (eV)

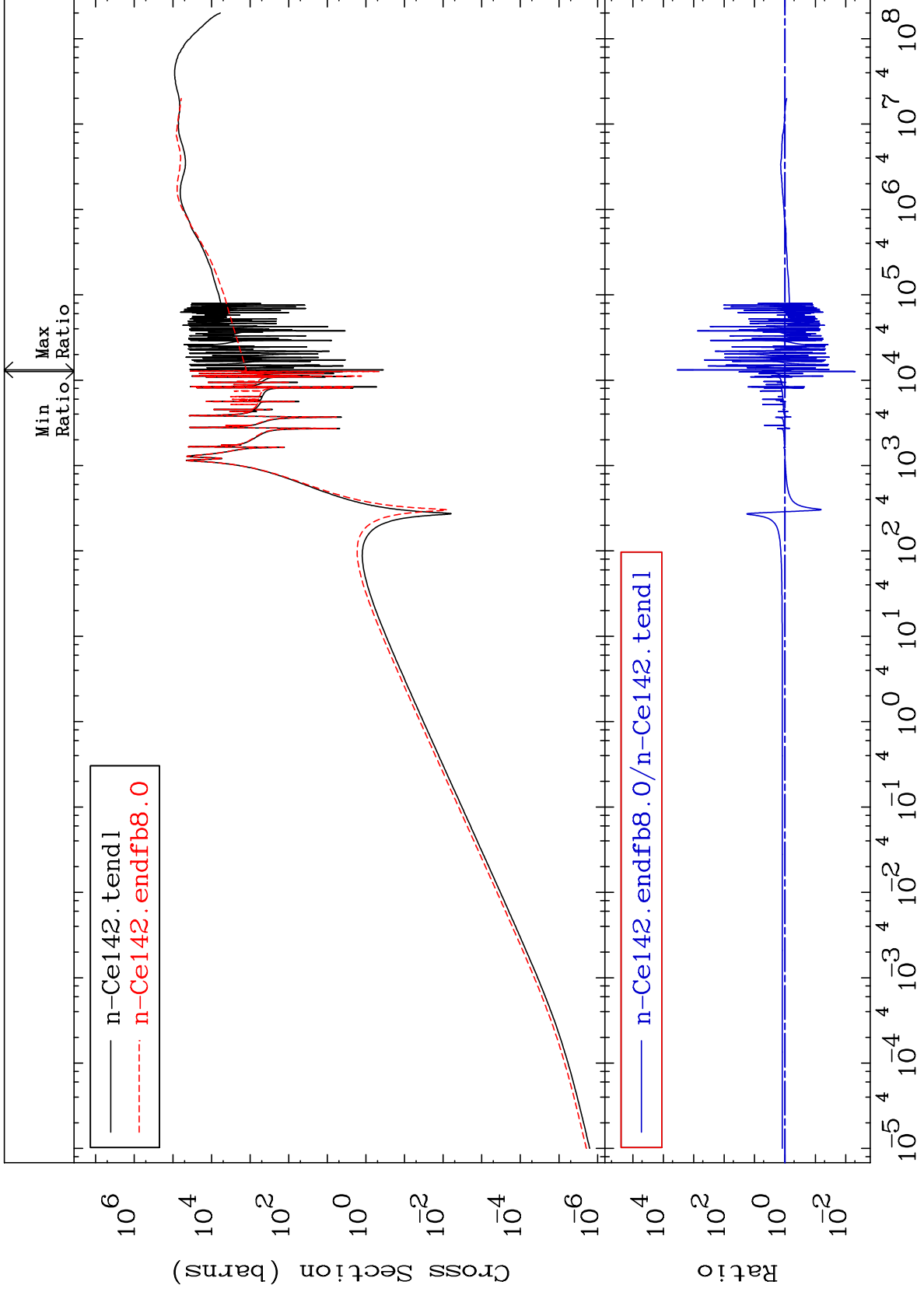
58-Ce-142

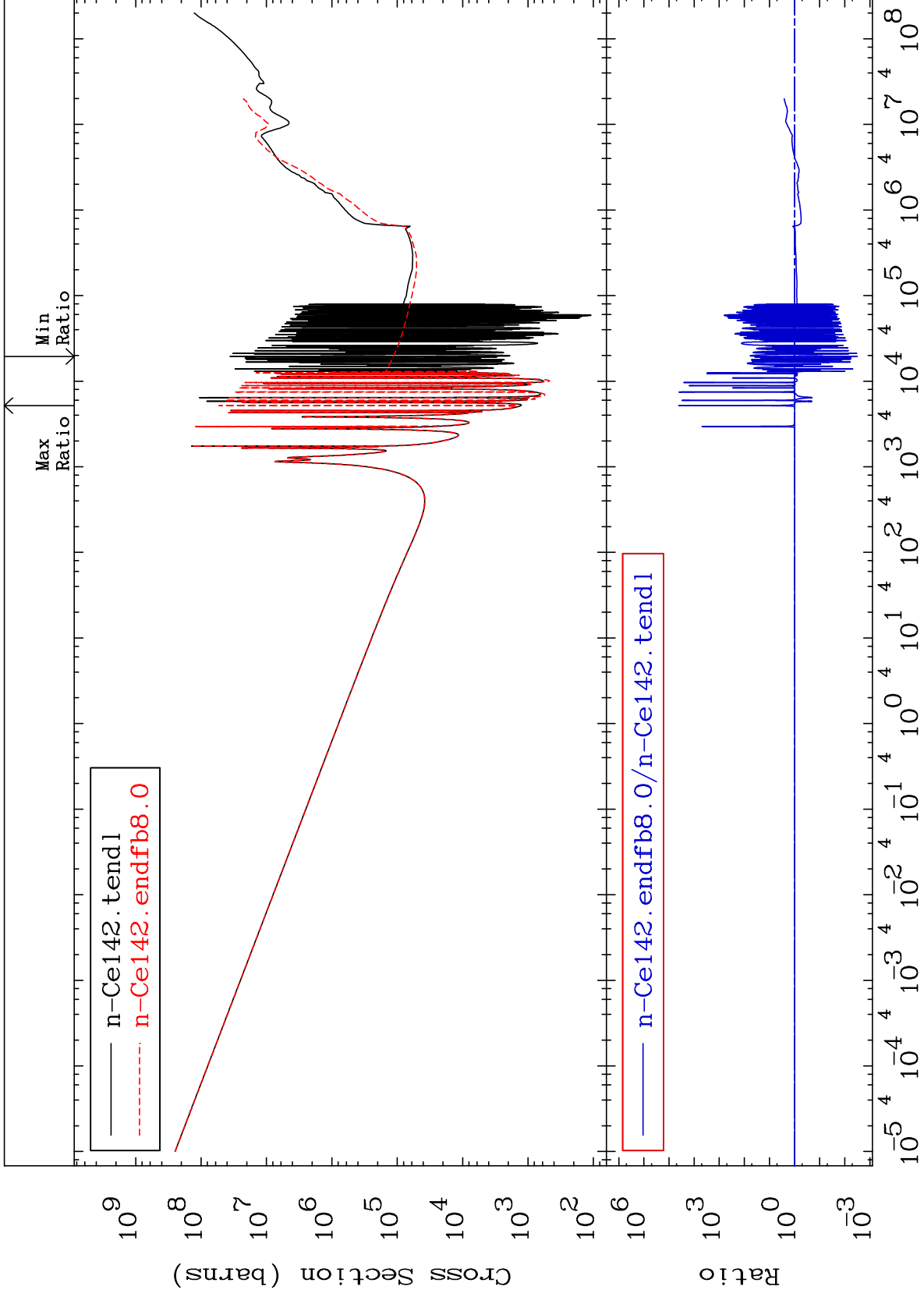


MAT 5843

Kerma elastic
Cross Section

58-Ce-142
-99.51 To 9999. %

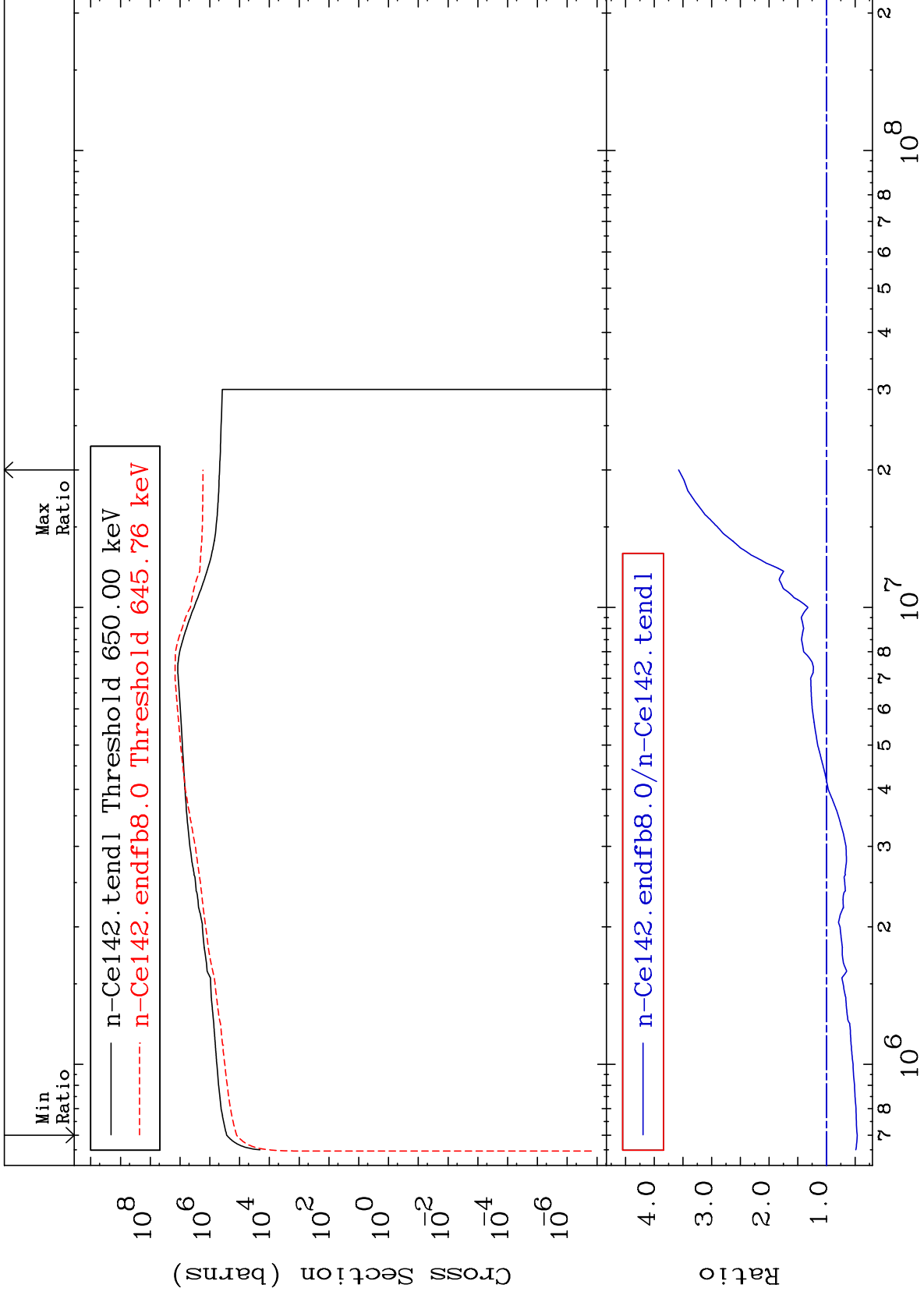




MAT 5843

Kerma inelastic (mt51-91)
Cross Section

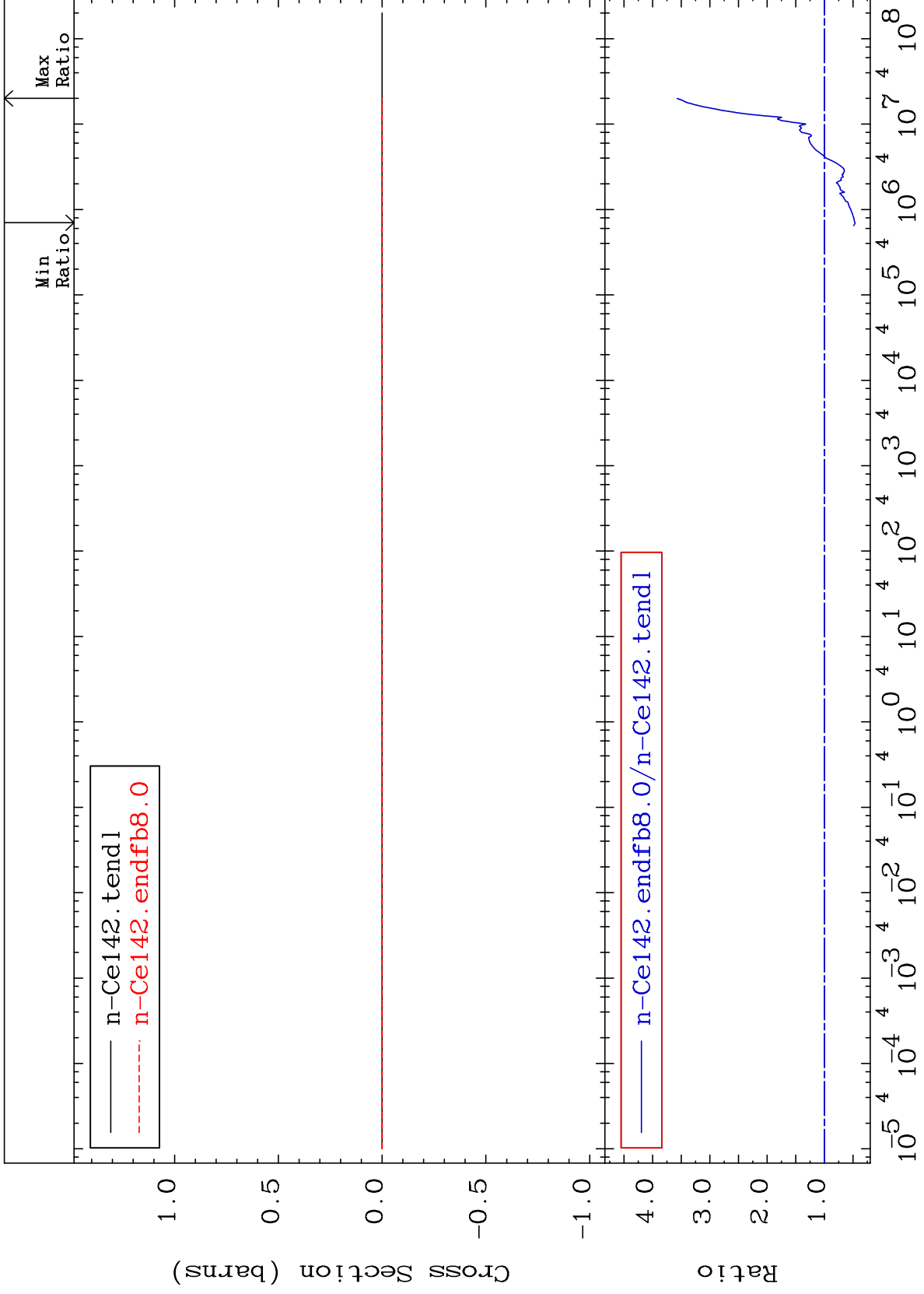
58-Ce-142
-53.52 To 257.5 %

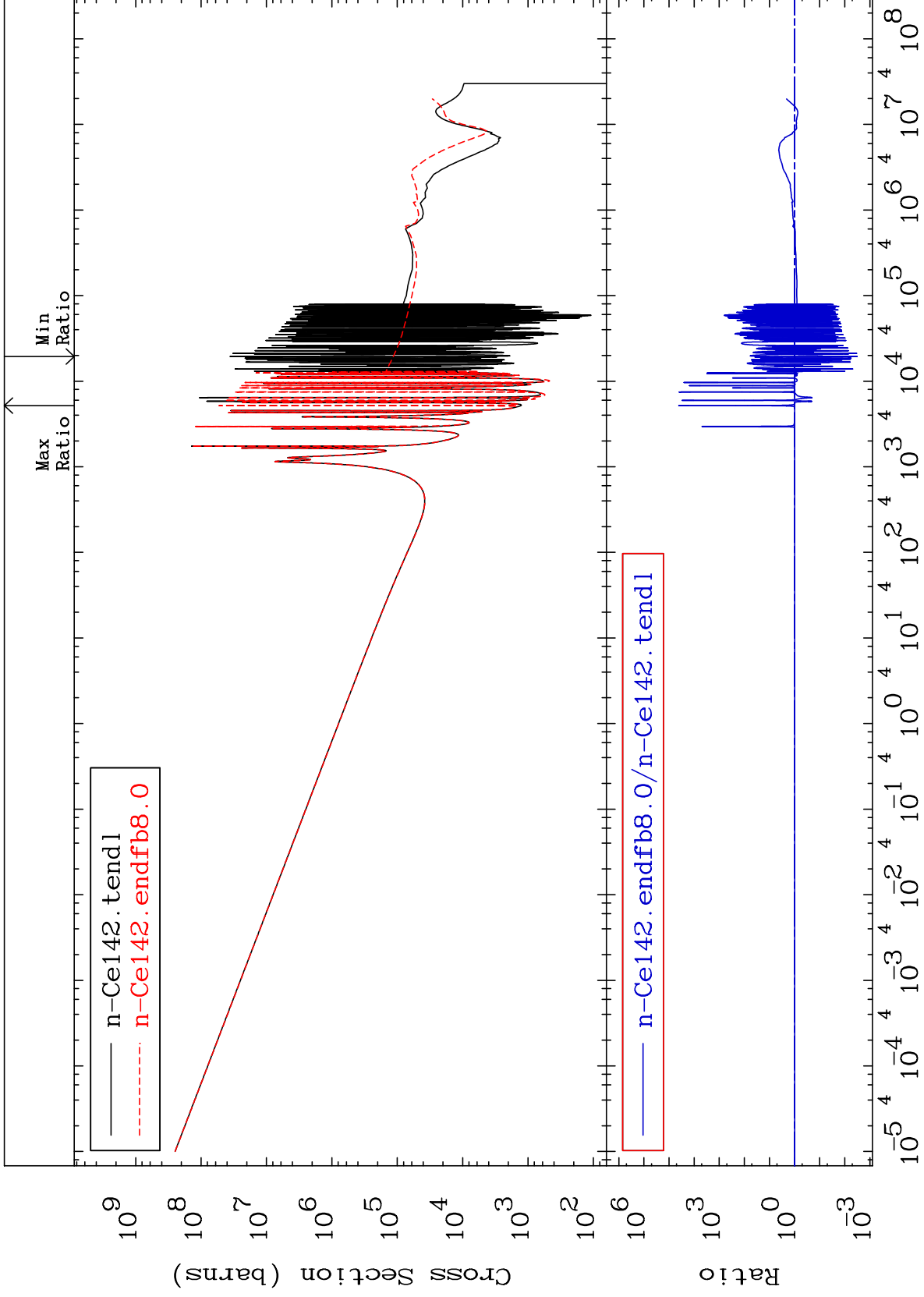


MAT 5843

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

58-Ce-142
-53.52 To 257.5 %

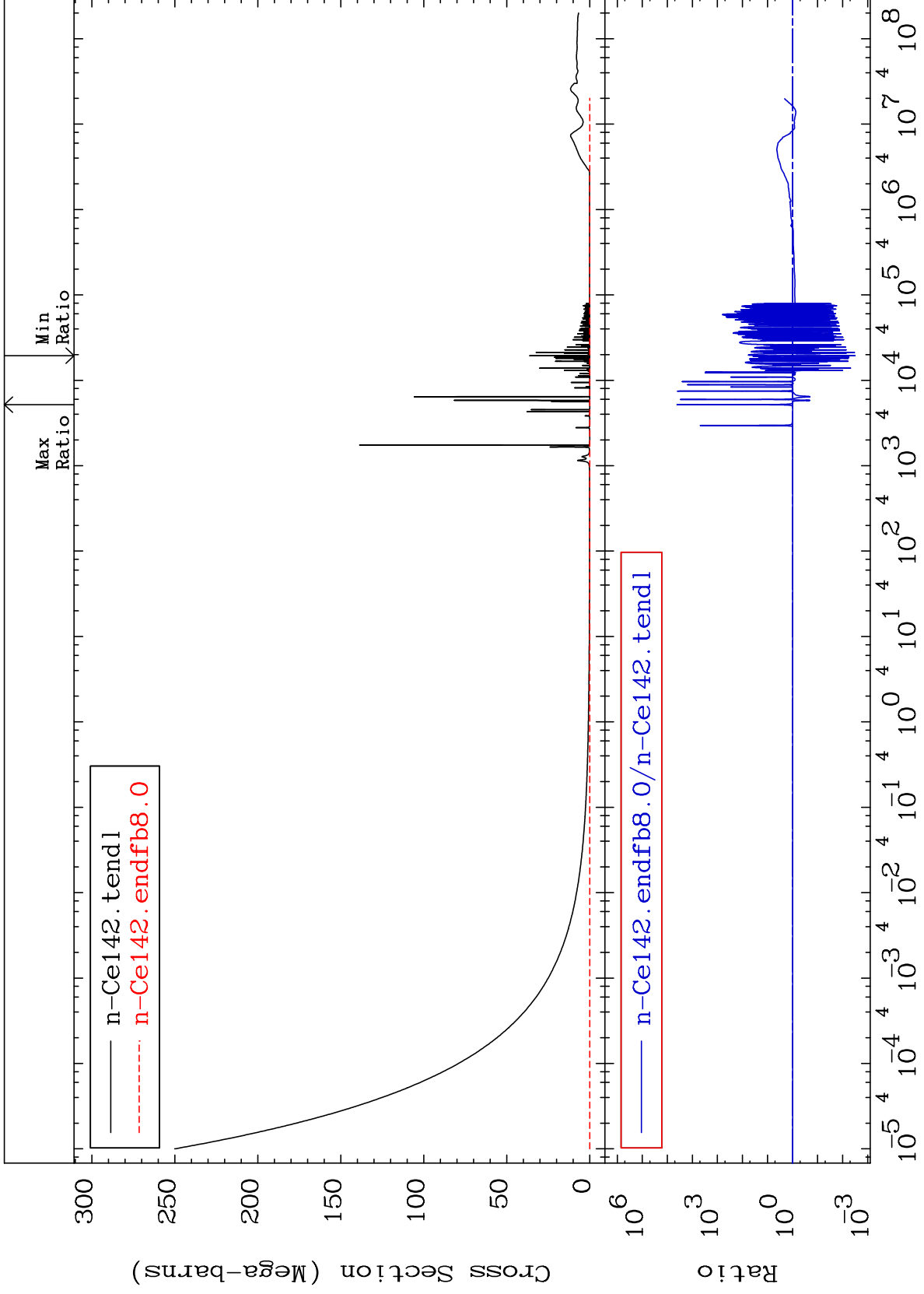




MAT 5843

Total photon (eV-barns)
Cross Section

58-Ce-142
-99.68 To 9999. %



35

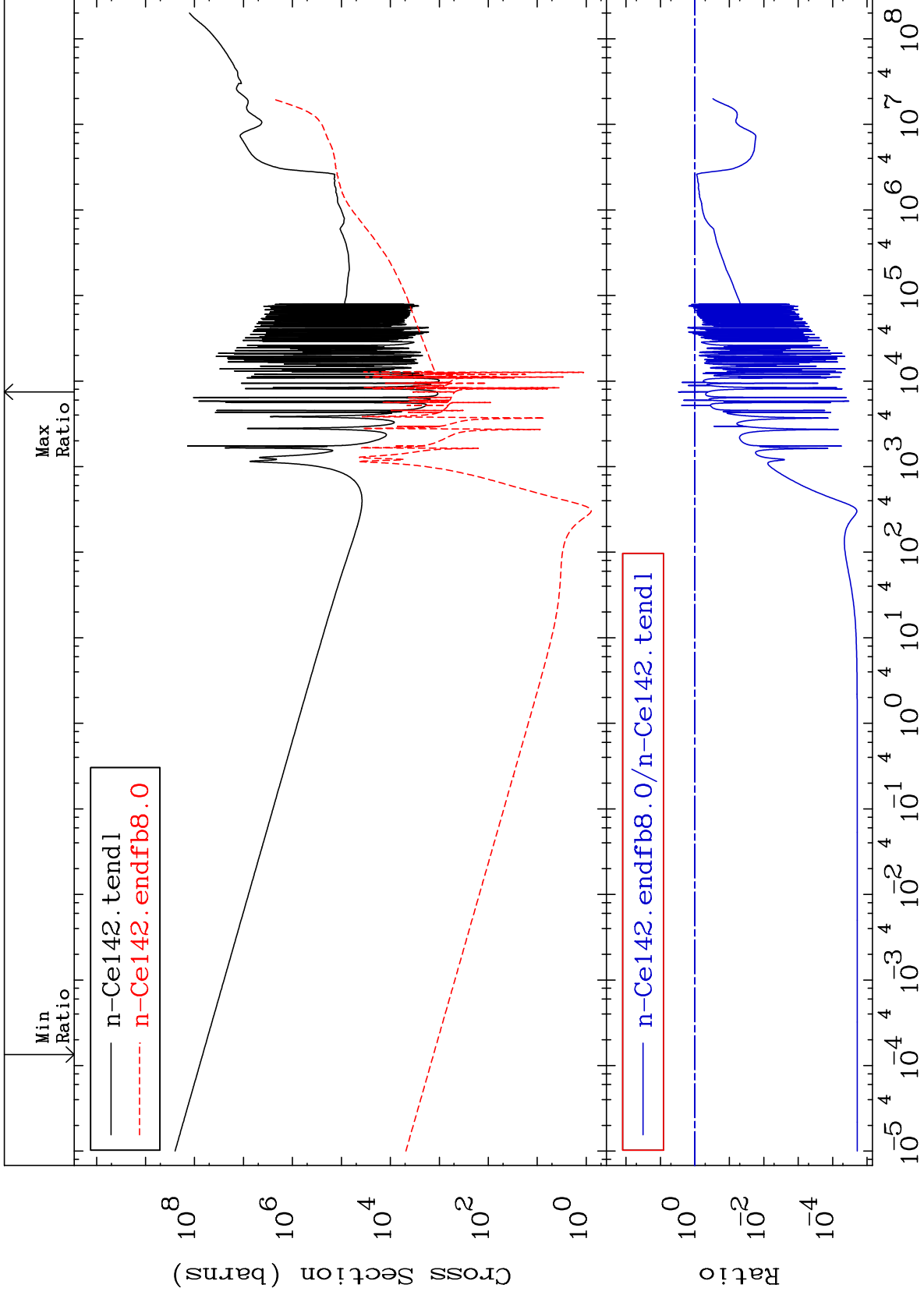
Incident Energy (eV)

58-Ce-142

MAT 5843

Total kinematic kerma (high limit)
Cross Section

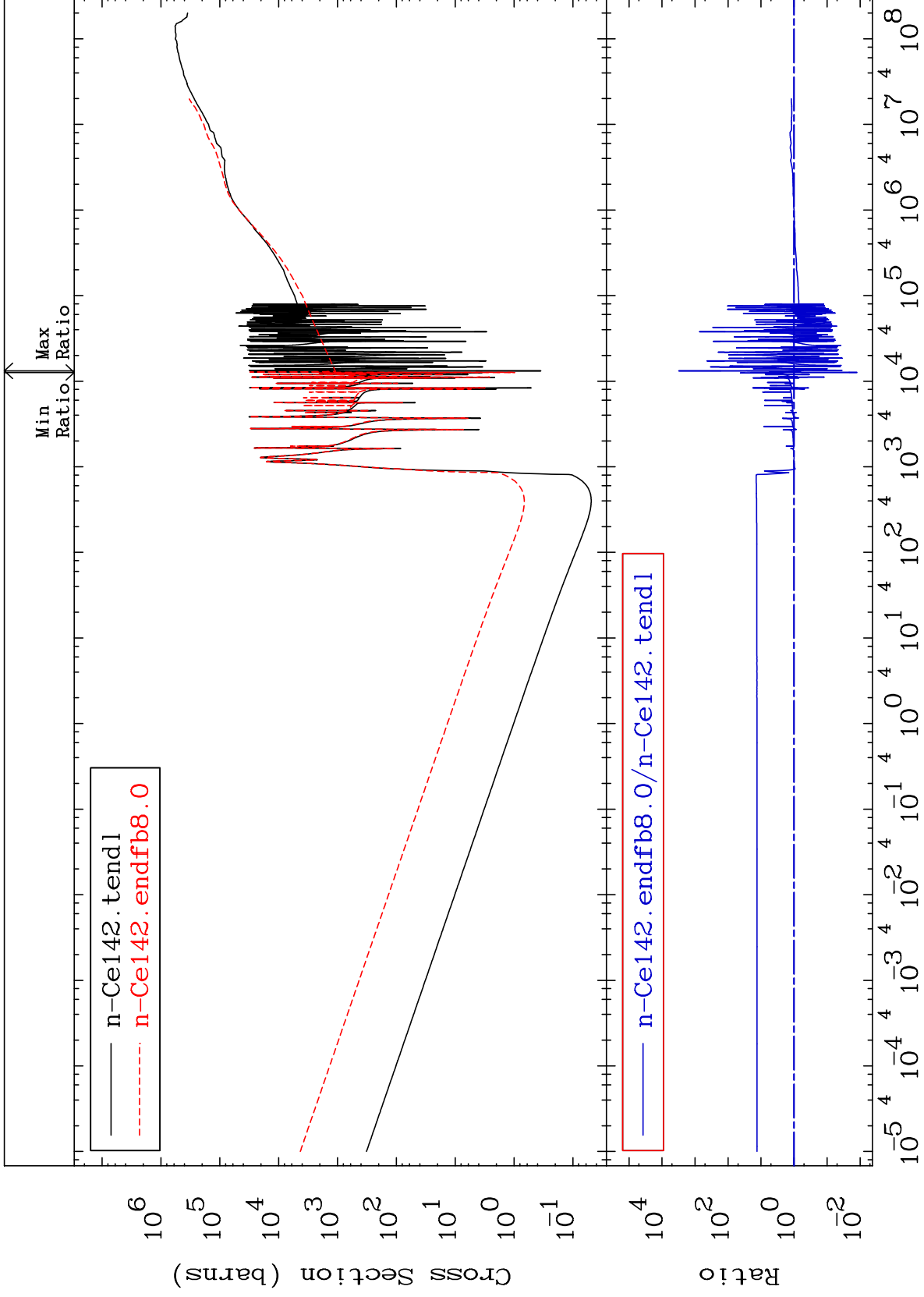
58-Ce-142
-100.0 To 196.6 %



MAT 5843

Dpa total (eV-barns)
Cross Section

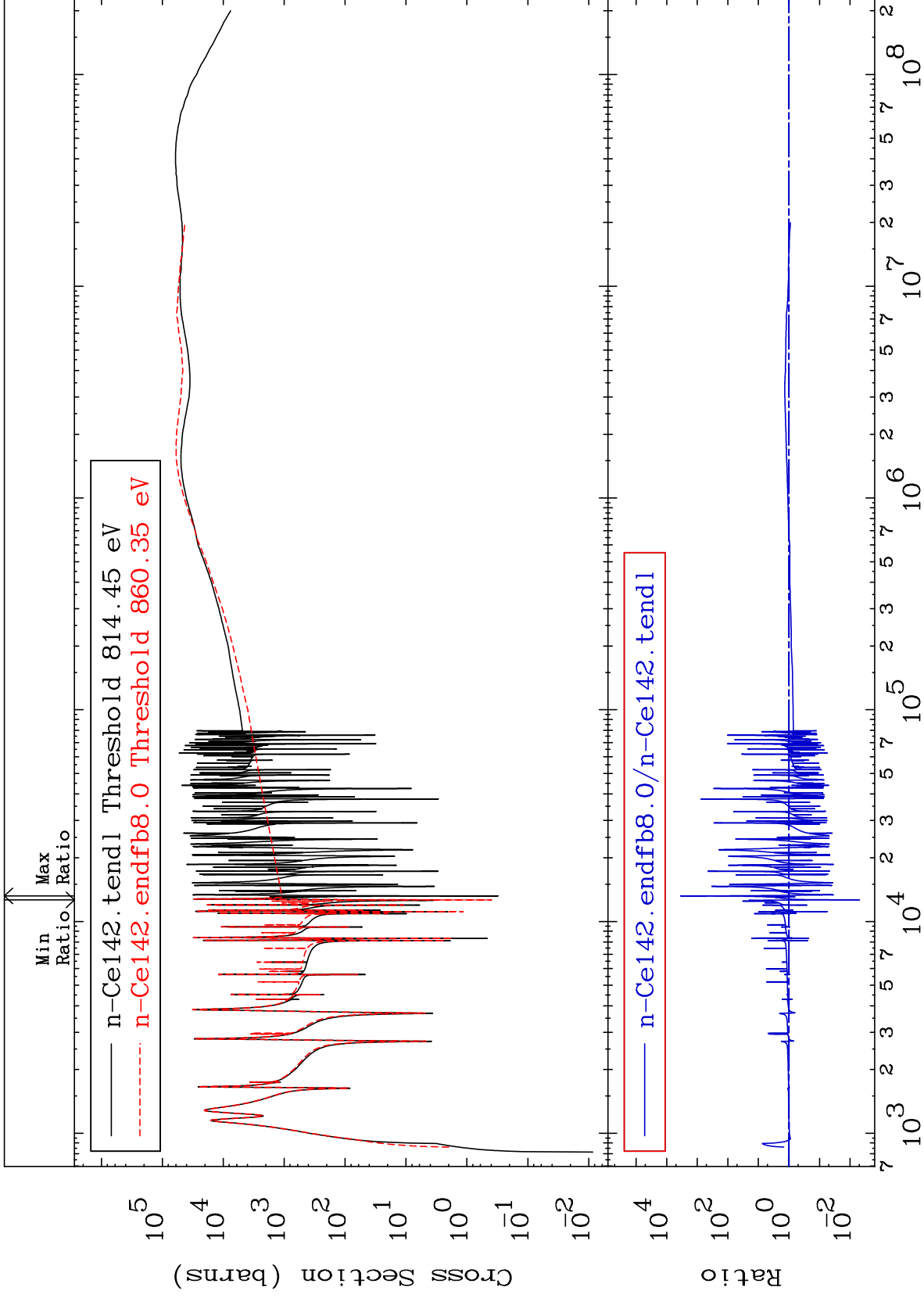
58-Ce-142
-98.78 To 9999. %



MAT 5843

Dpa elastic (mt2)
Cross Section

58-Ce-142
-99.51 To 9999. %



38

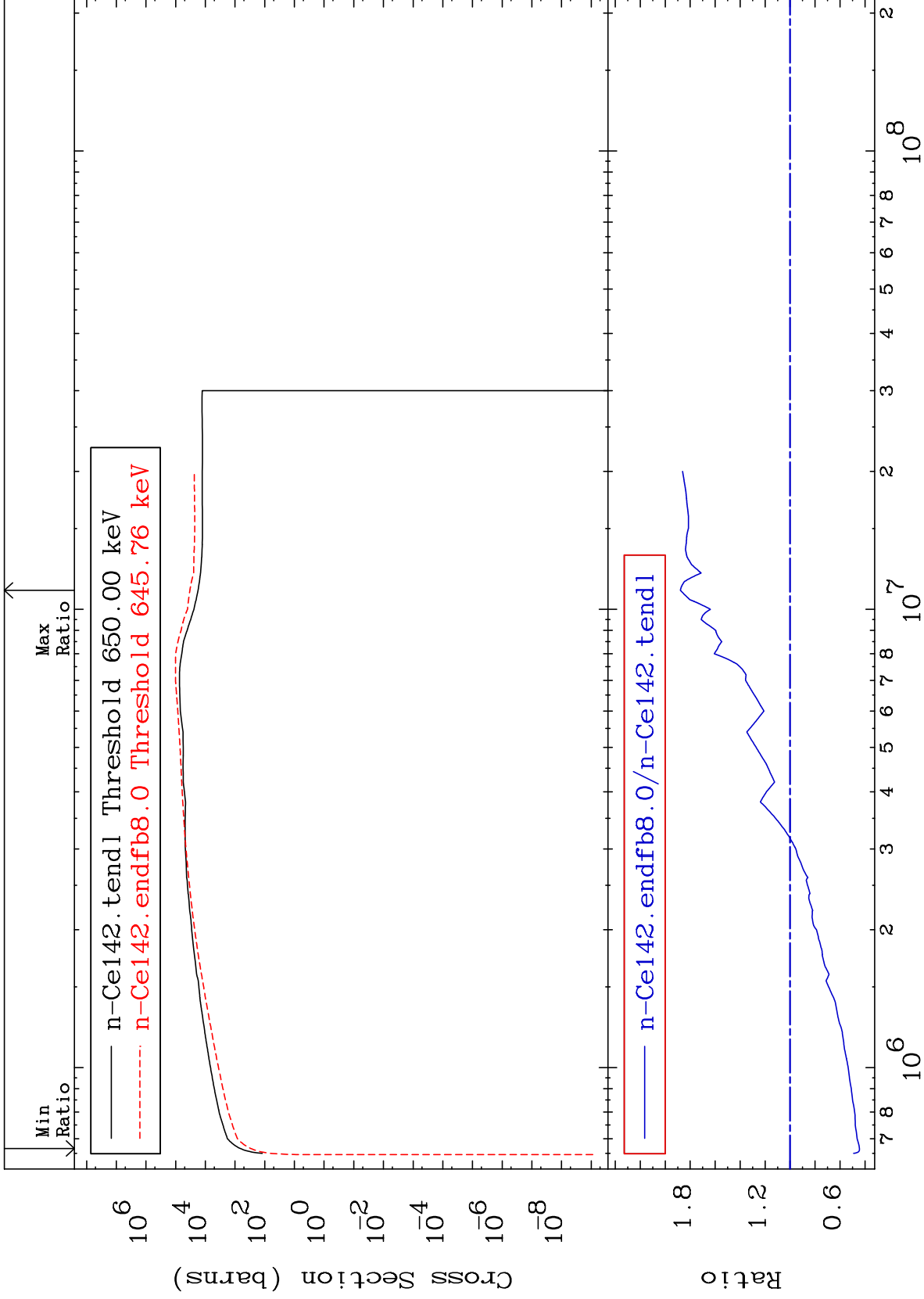
Incident Energy (eV)

58-Ce-142

MAT 5843

Dpa inelastic (mt51-91)
Cross Section

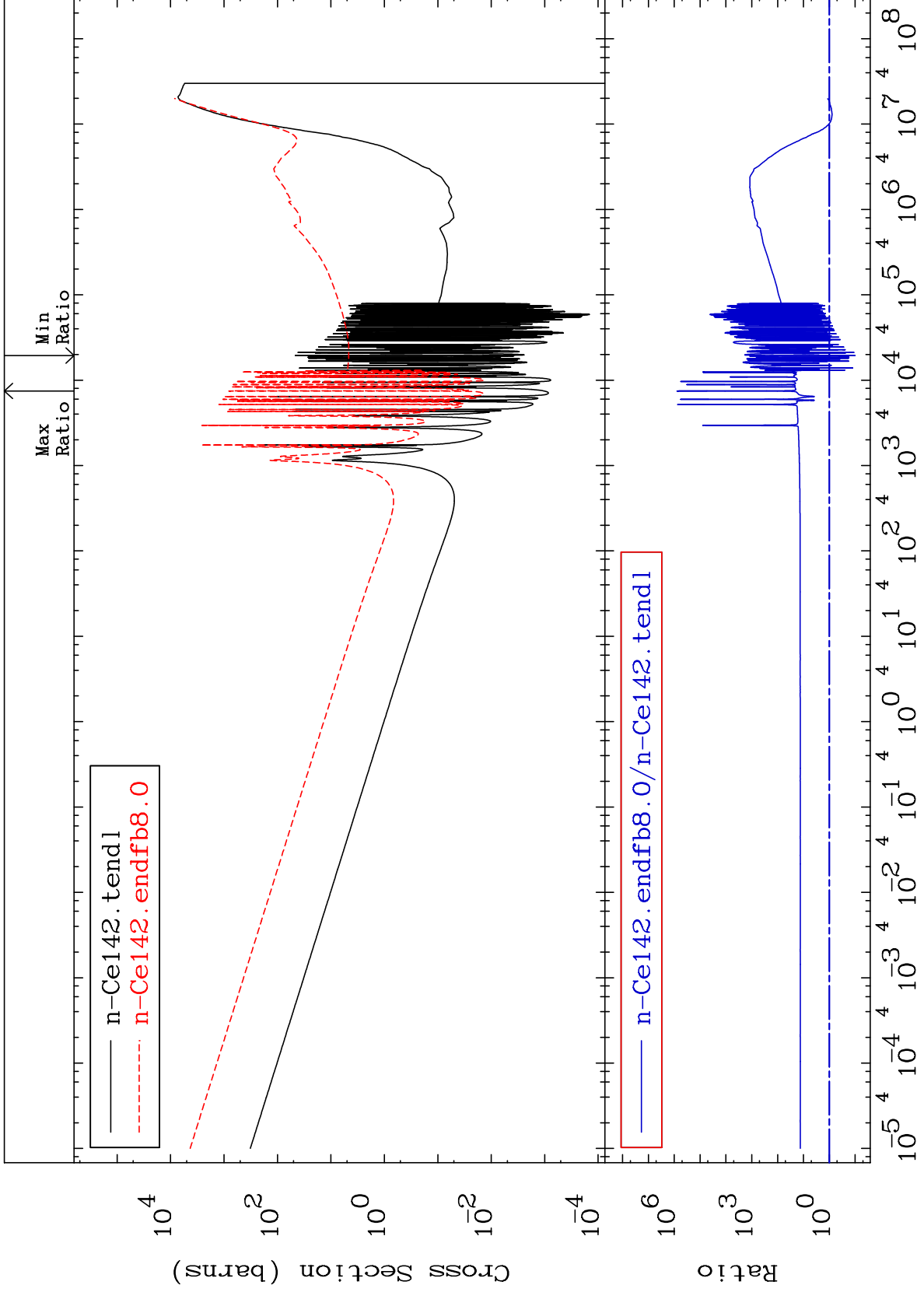
58-Ce-142
-55.56 To 87.90 %



MAT 5843

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-142
-89.94 To 9999. %



Incident Energy (eV)

40

58-Ce-142