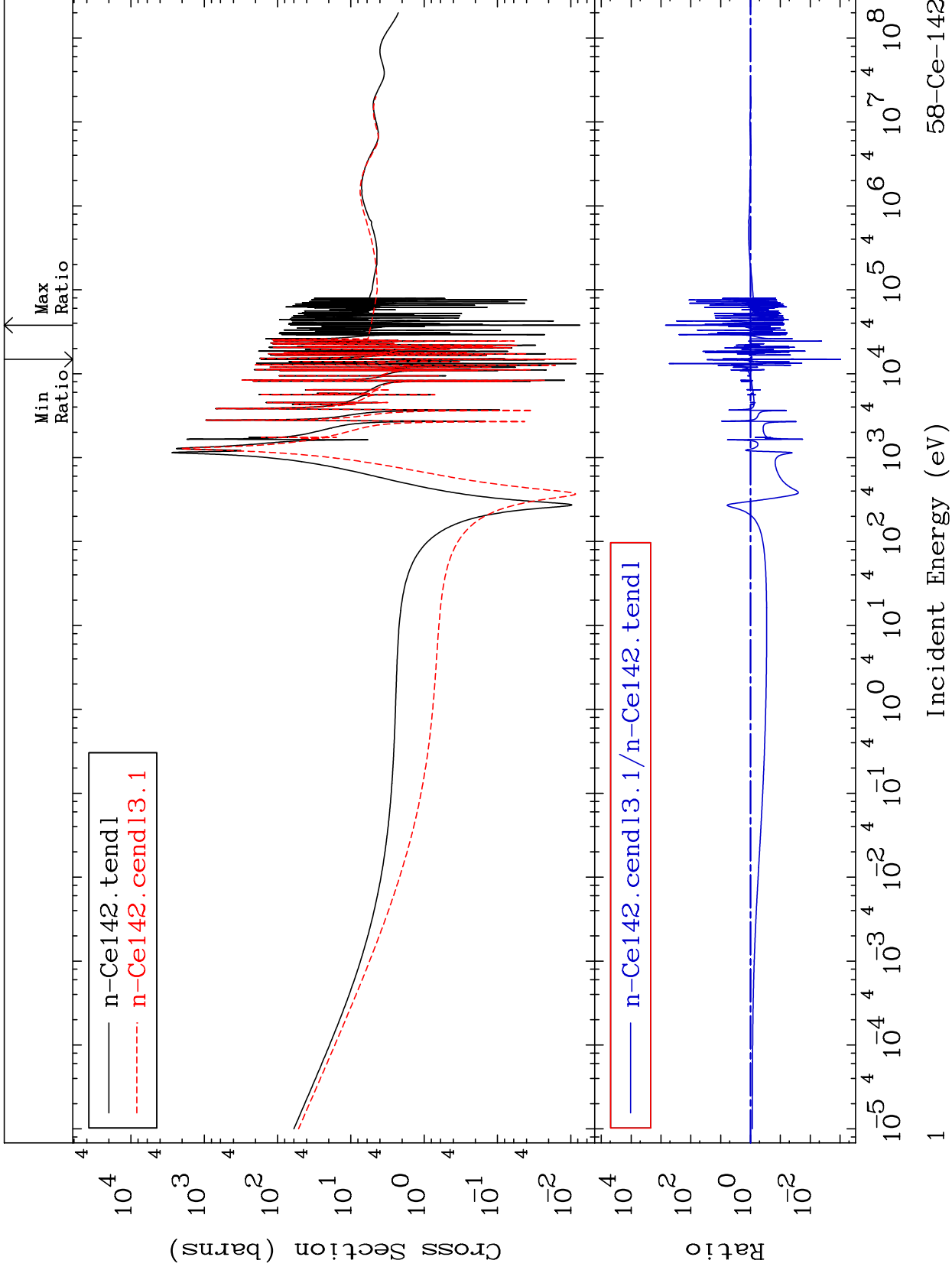


MAT 5843

Total
Cross Section

58-Ce-142
-99.90 To 9999. %



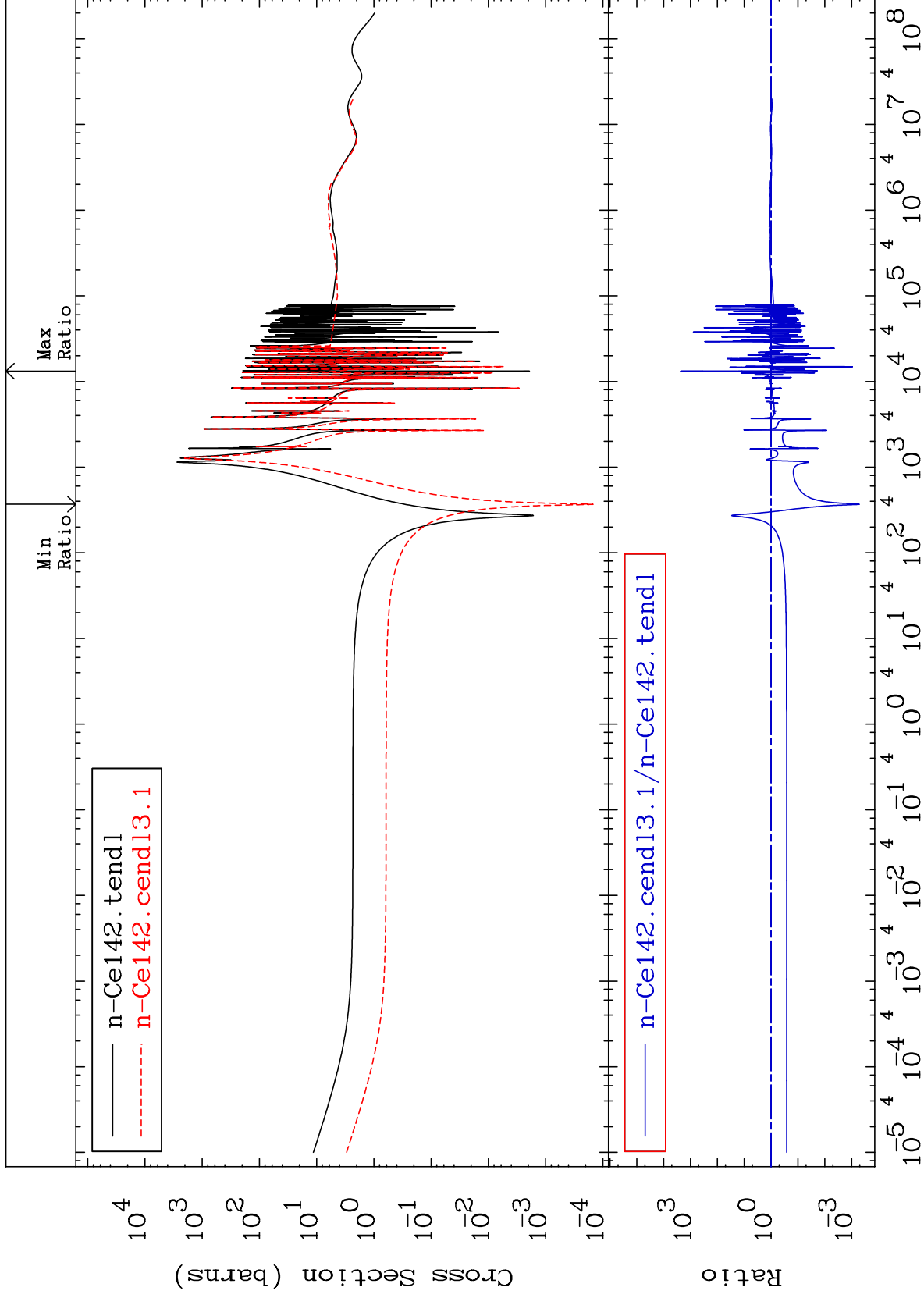
Incident Energy (eV)

58-Ce-142

MAT 5843

Elastic
Cross Section

58-Ce-142
-99.95 To 9999. %



2

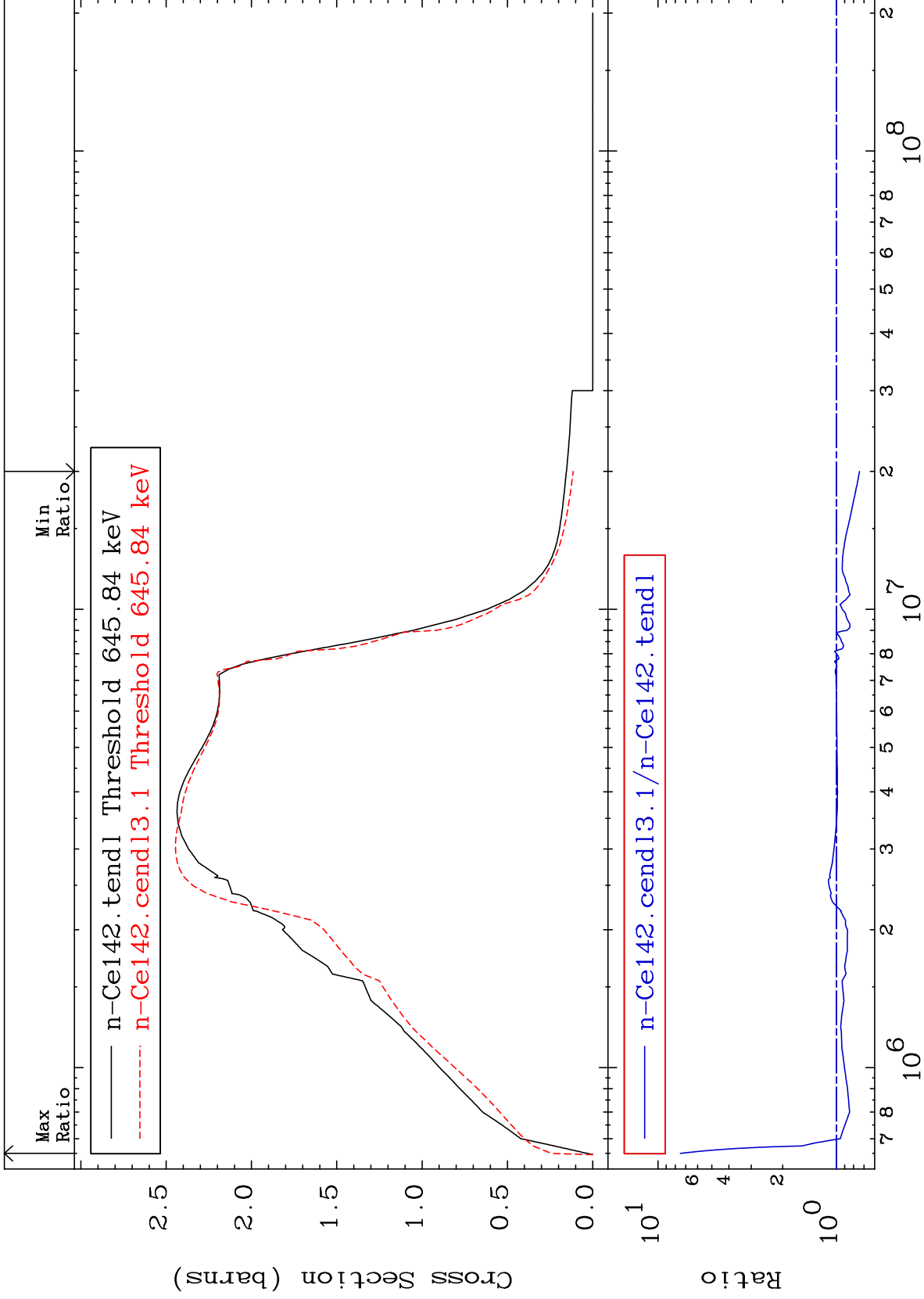
Incident Energy (eV)

58-Ce-142

MAT 5843

Inelastic
Cross Section

58-Ce-142
-25.73 To 649.4 %



3

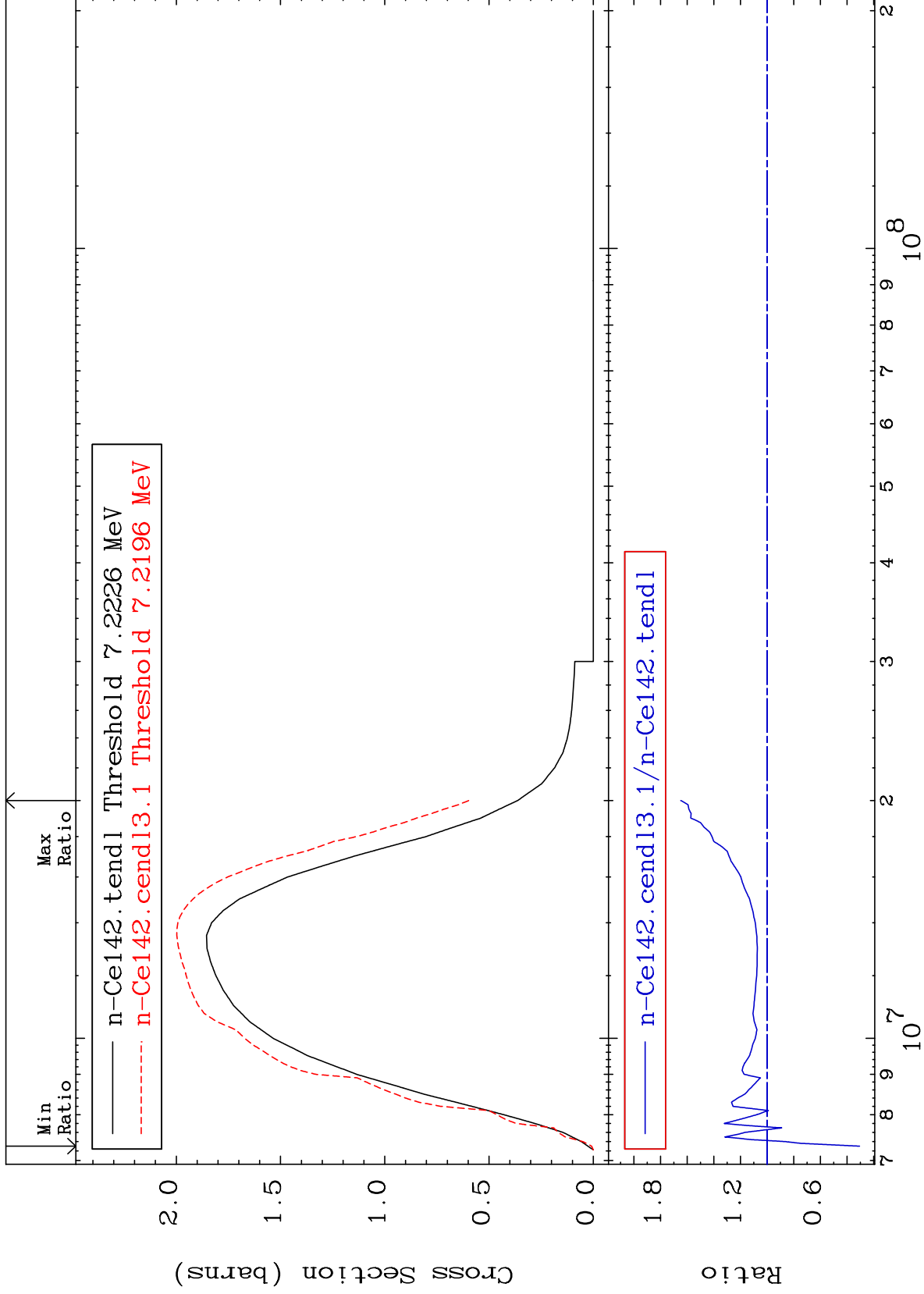
Incident Energy (eV)

58-Ce-142

MAT 5843

(n,2n)
Cross Section

58-Ce-142
-69.43 To 64.78 %



4

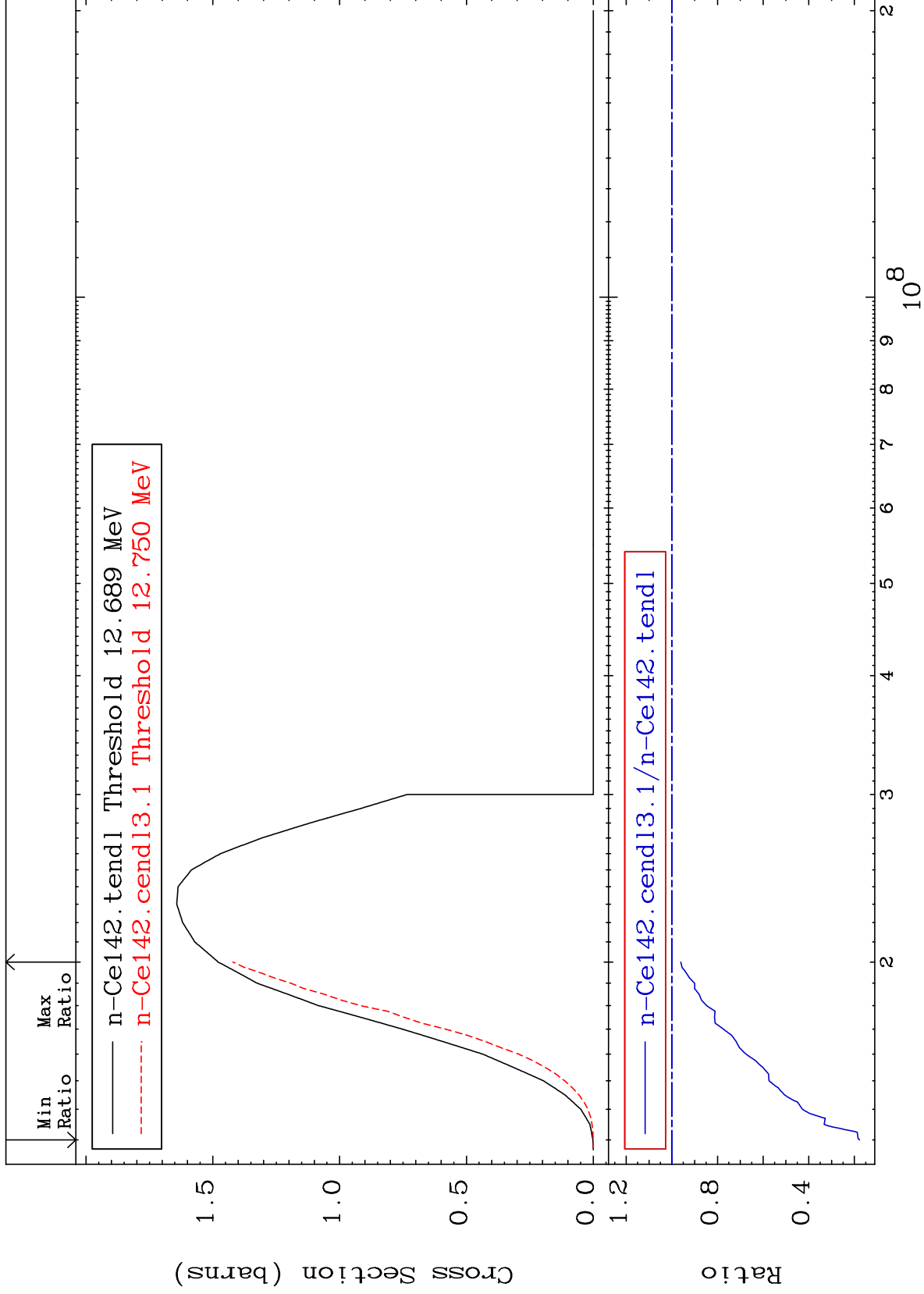
58-Ce-142

58-Ce-142

MAT 5843

(n,3n)
Cross Section

58-Ce-142
-82.25 To -3.919%



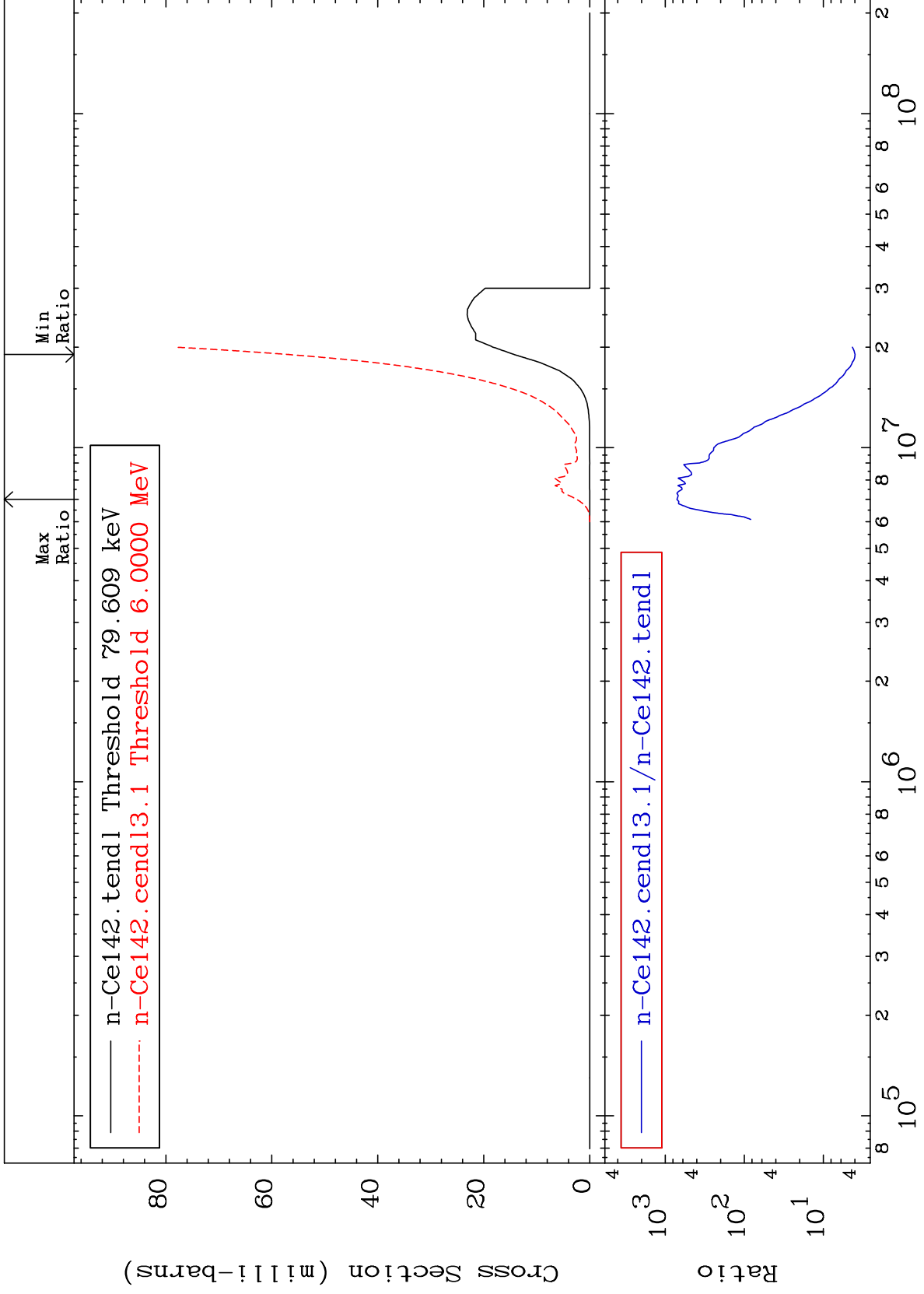
5

Incident Energy (eV)

58-Ce-142

MAT 5843

(n,n') α
Cross Section
58-Ce-142
297.8 To 9999. %



6

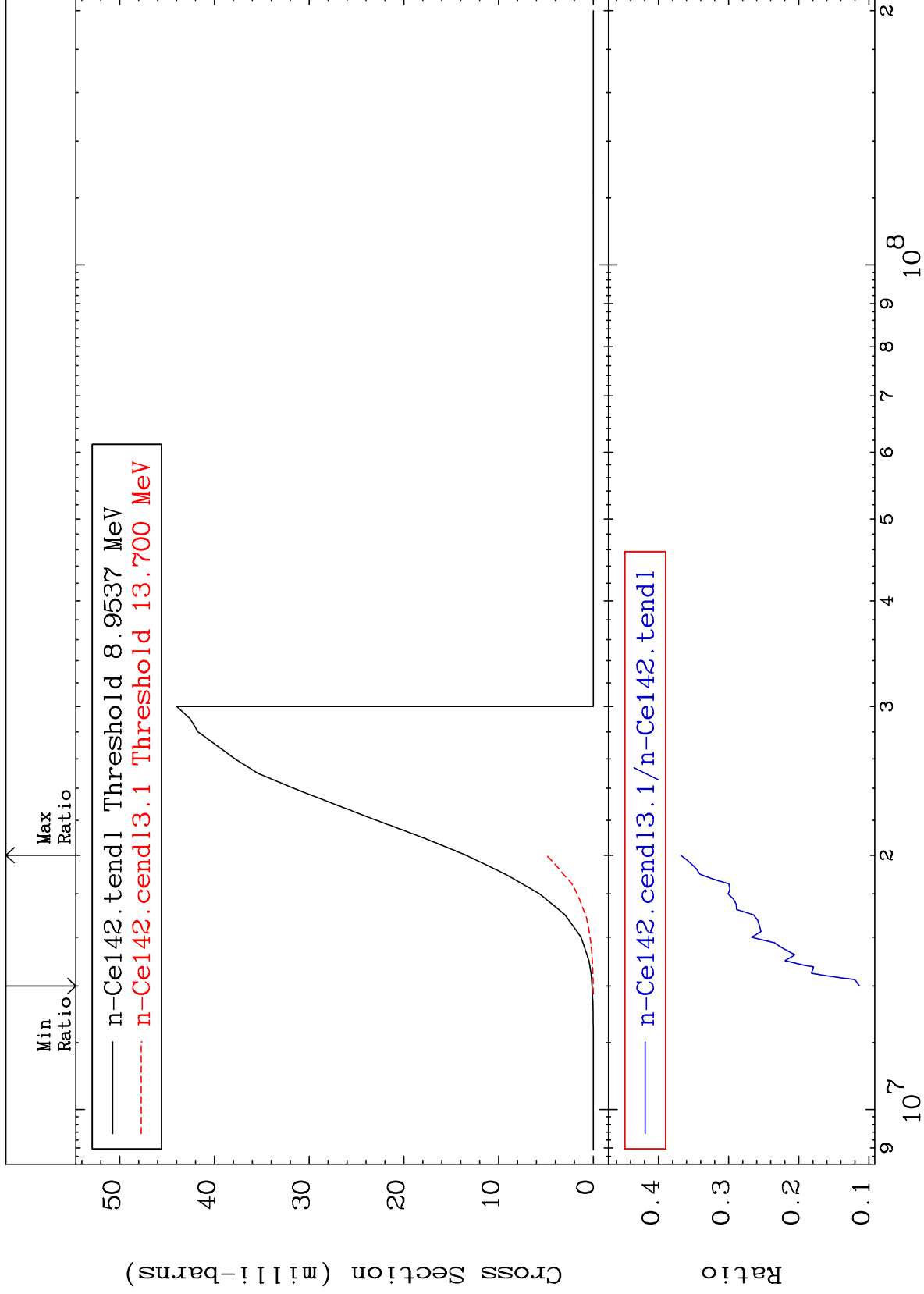
Incident Energy (eV)

58-Ce-142

MAT 5843

(n,n') p
Cross Section

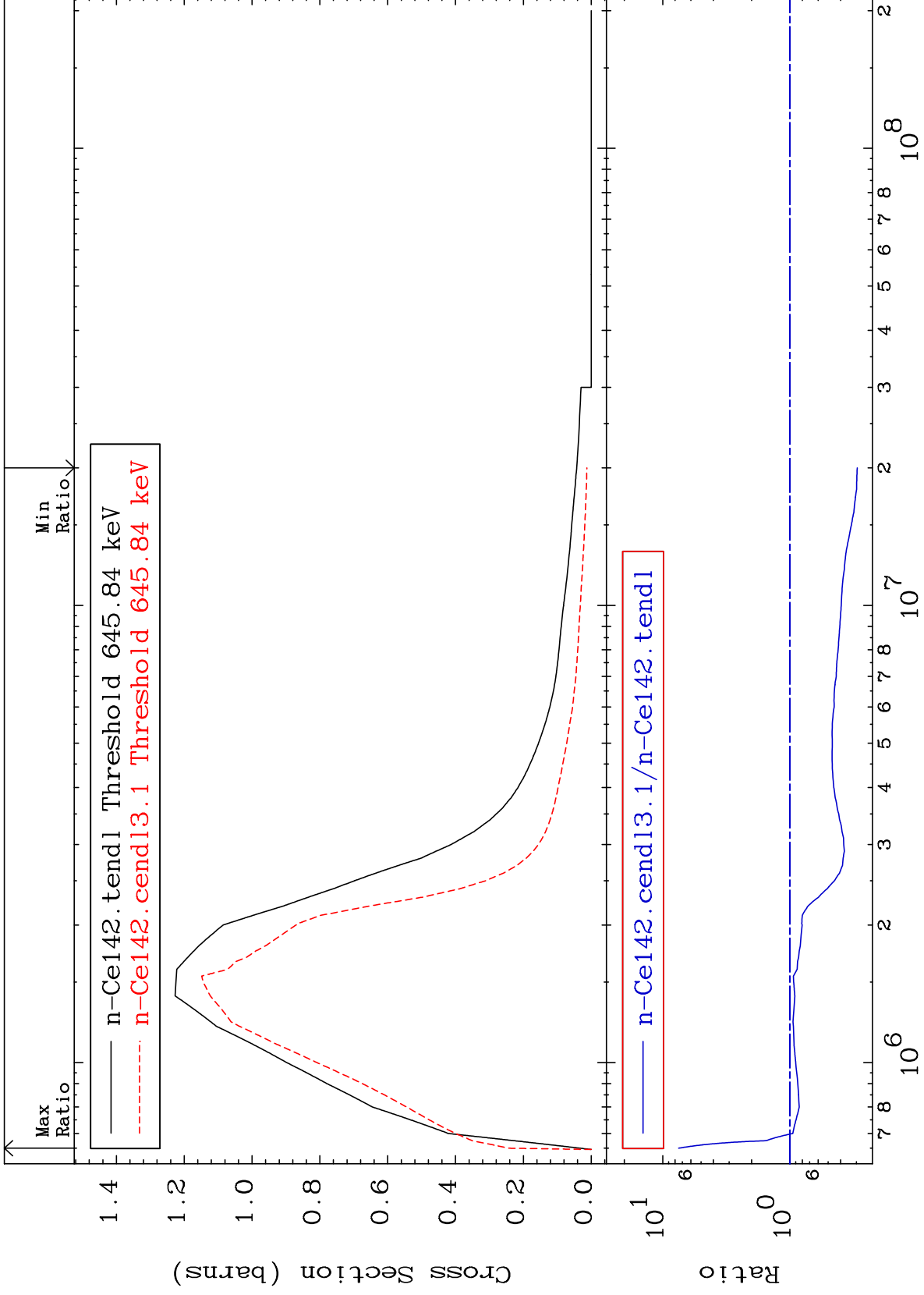
58-Ce-142
-88.66 To -63.17%



MAT 5843

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

58-Ce-142
-70.44 To 649.4 %



8

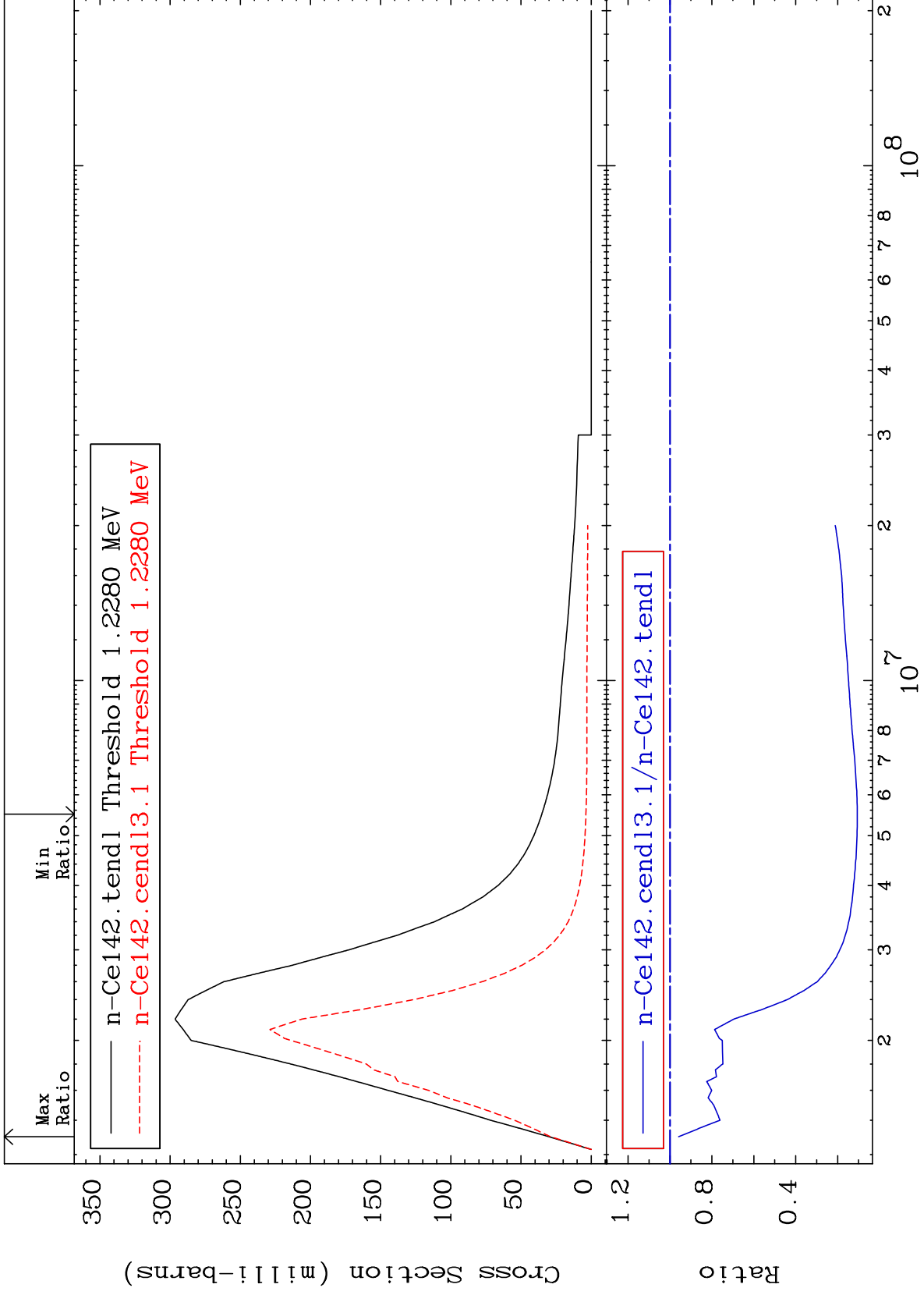
Incident Energy (eV)

58-Ce-142

MAT 5843

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

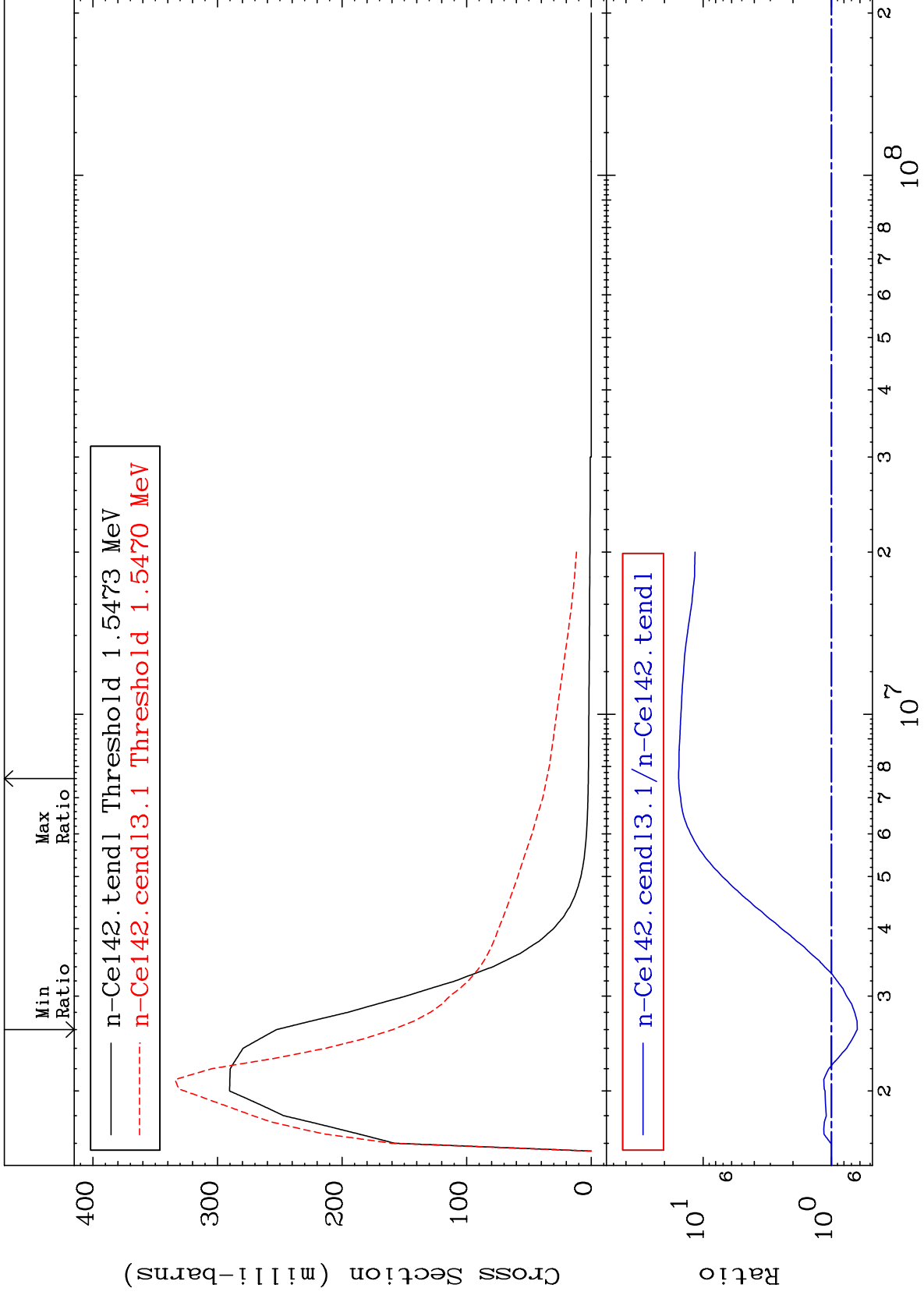
58-Ce-142
-89.38 To -4.131%



MAT 5843

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

58-Ce-142
-36.93 To 1453. %



10

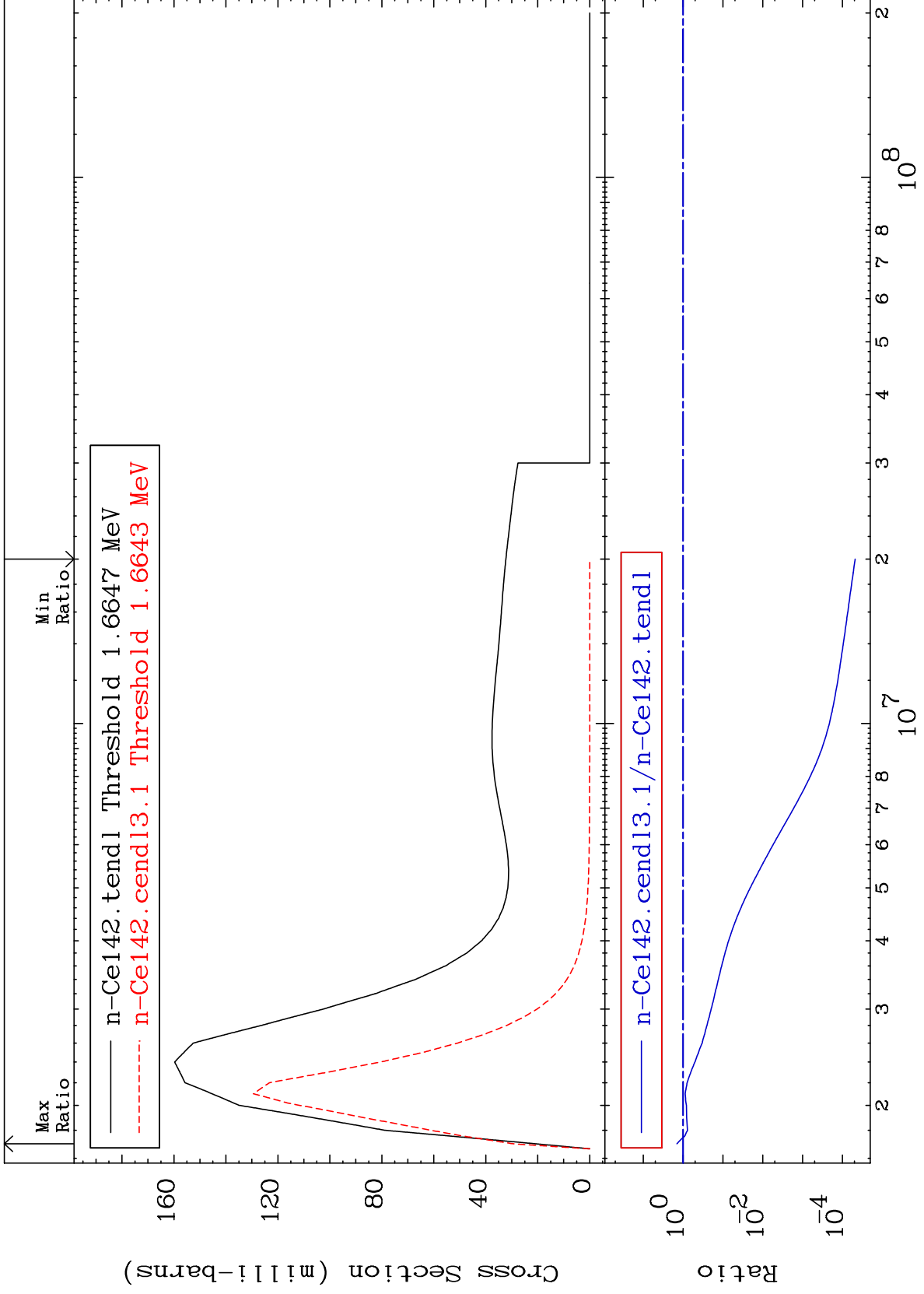
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-100.0 To 42.77 %



11

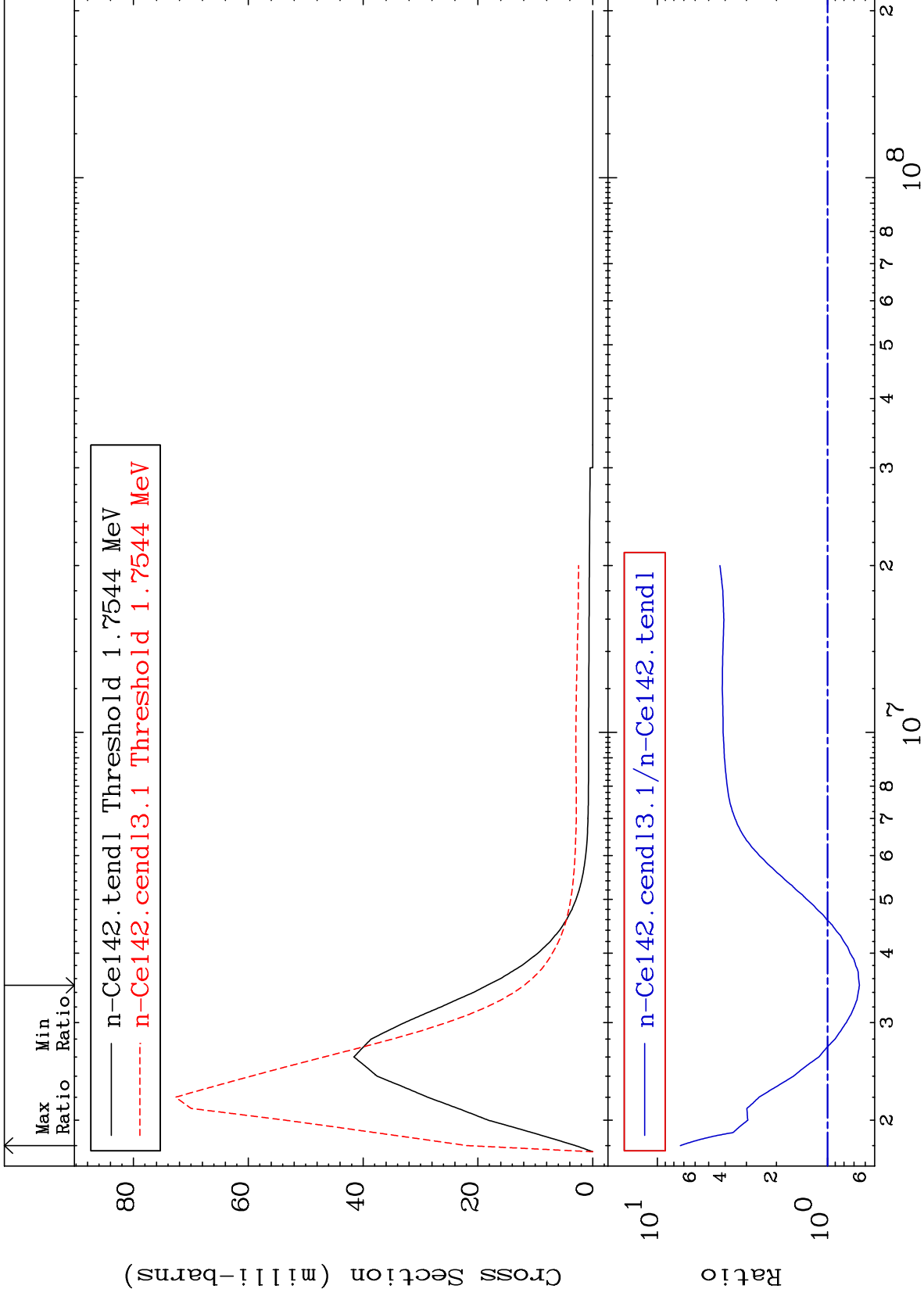
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
-35.04 To 633.6 %



12

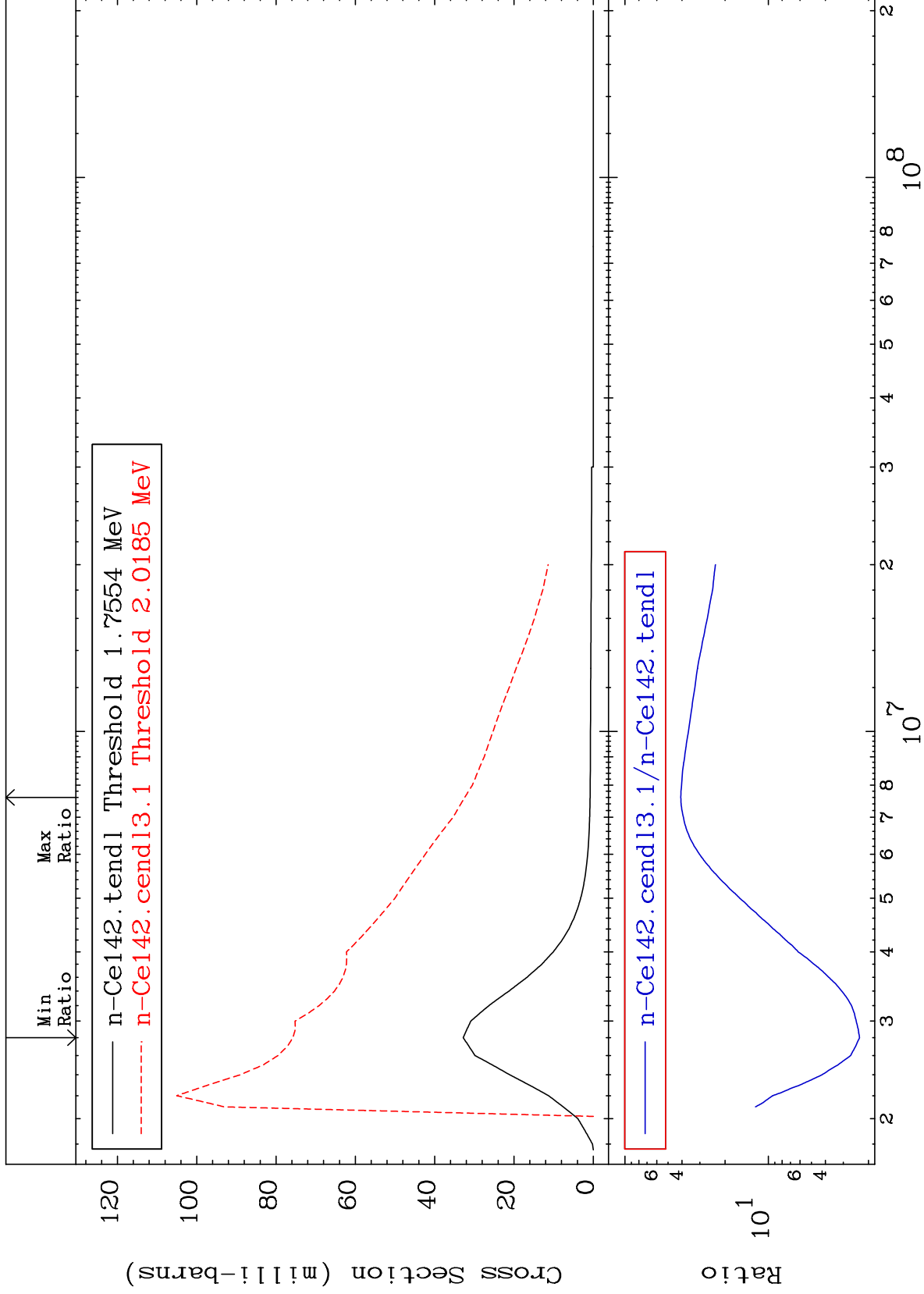
Incident Energy (eV)

58-Ce-142

MAT 5843

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

58-Ce-142
130.9 To 3977. %



13

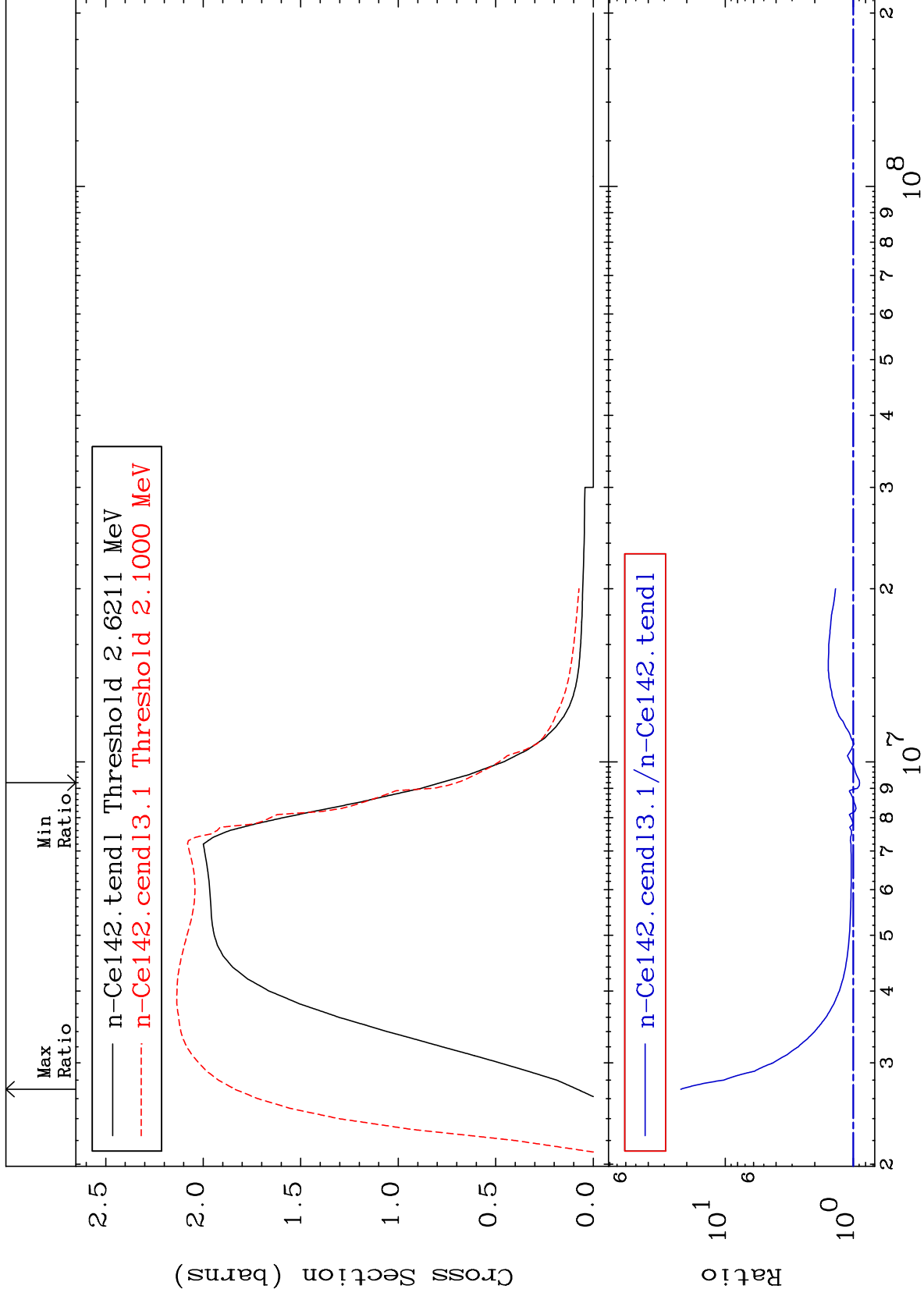
Incident Energy (eV)

58-Ce-142

MAT 5843

(n,n') Continuum
Cross Section

58-Ce-142
-10.77 To 2126. %



14

Incident Energy (eV)

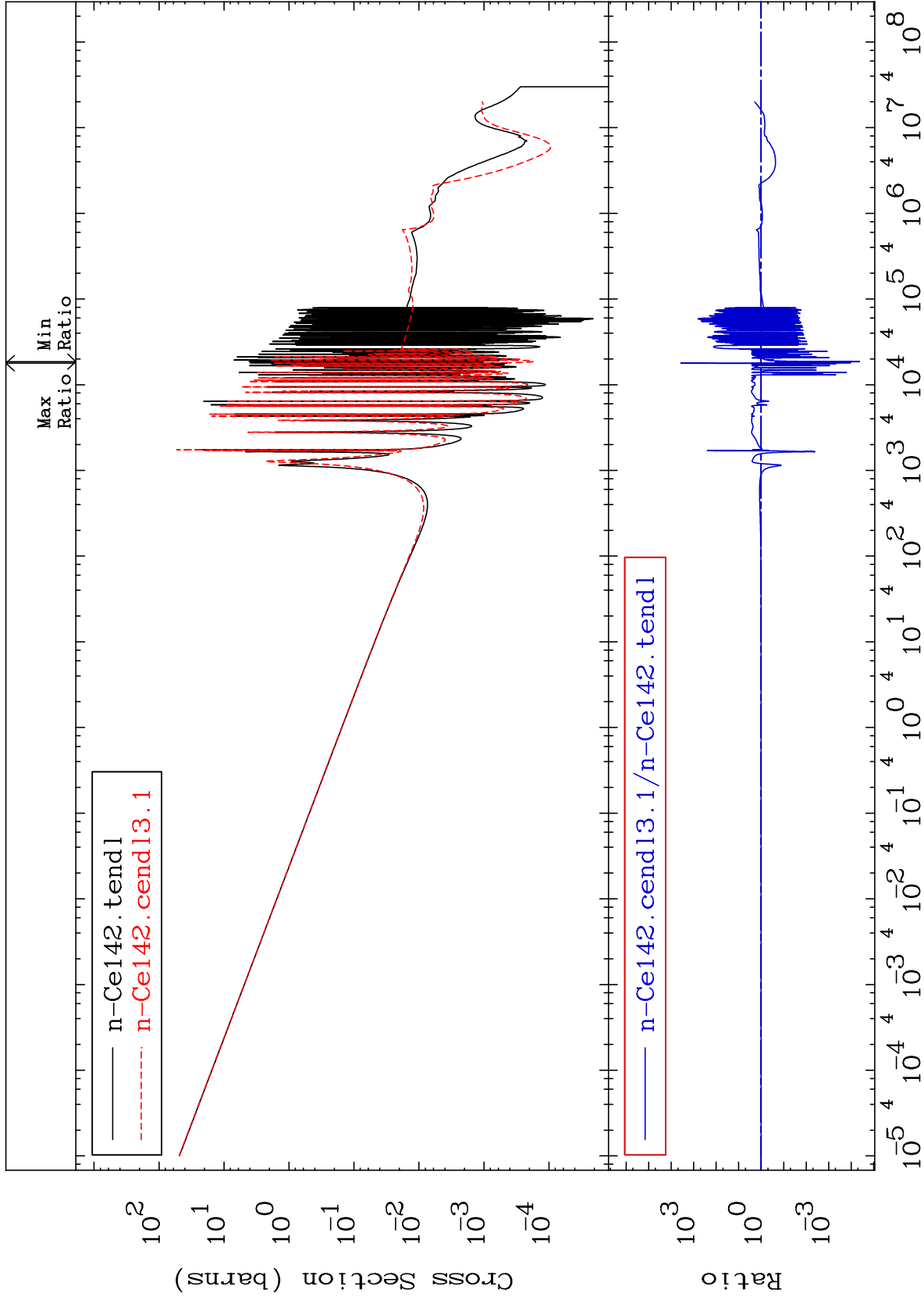
58-Ce-142

MAT 5843

(n, γ)
Cross Section

58-Ce-142

-100.0 To 9999. %



15

Incident Energy (eV)

58-Ce-142

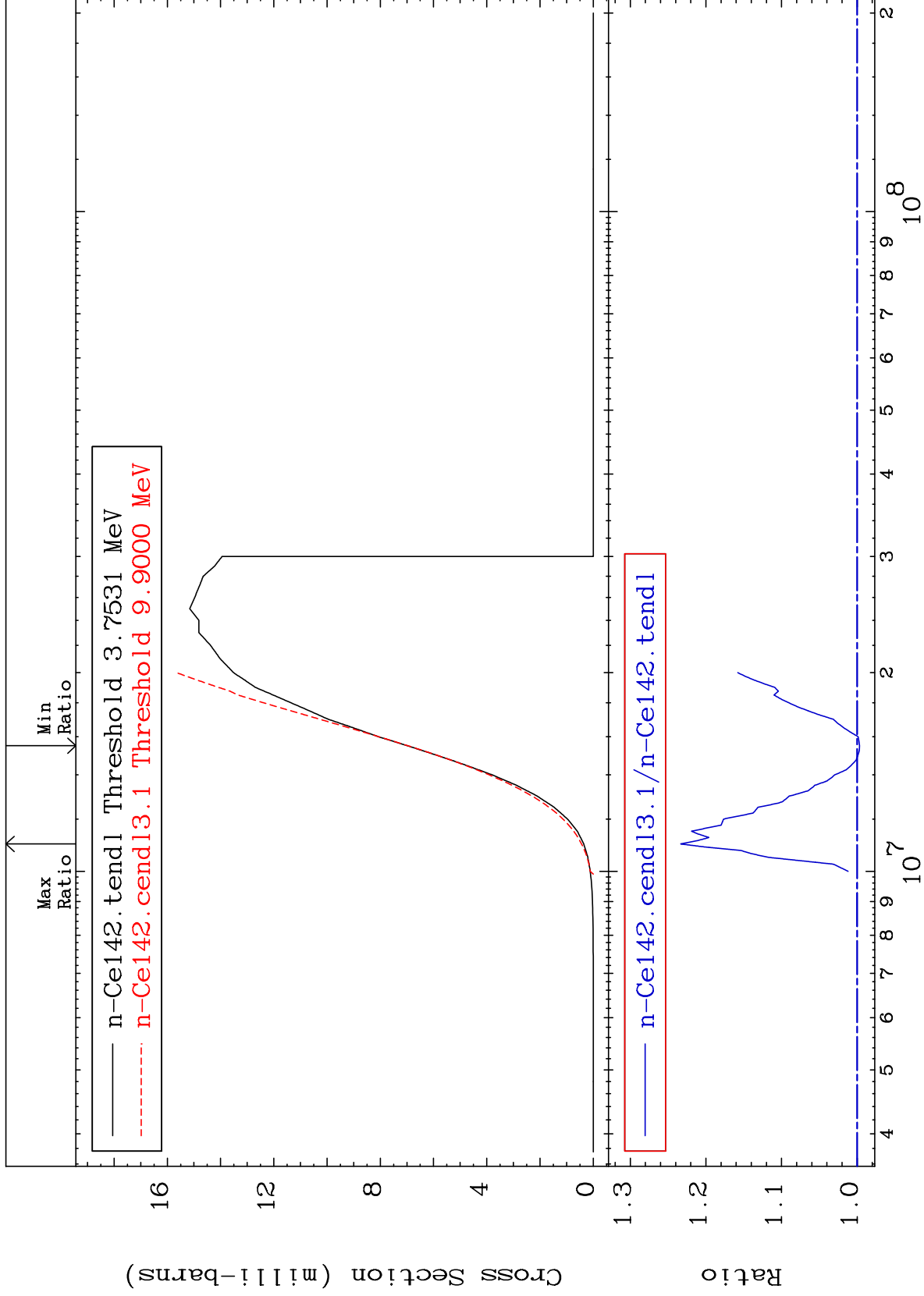
MAT 5843

(n,p)

58-Ce-142

Cross Section

-0.316 To 23.32 %



16

Incident Energy (eV)

58-Ce-142

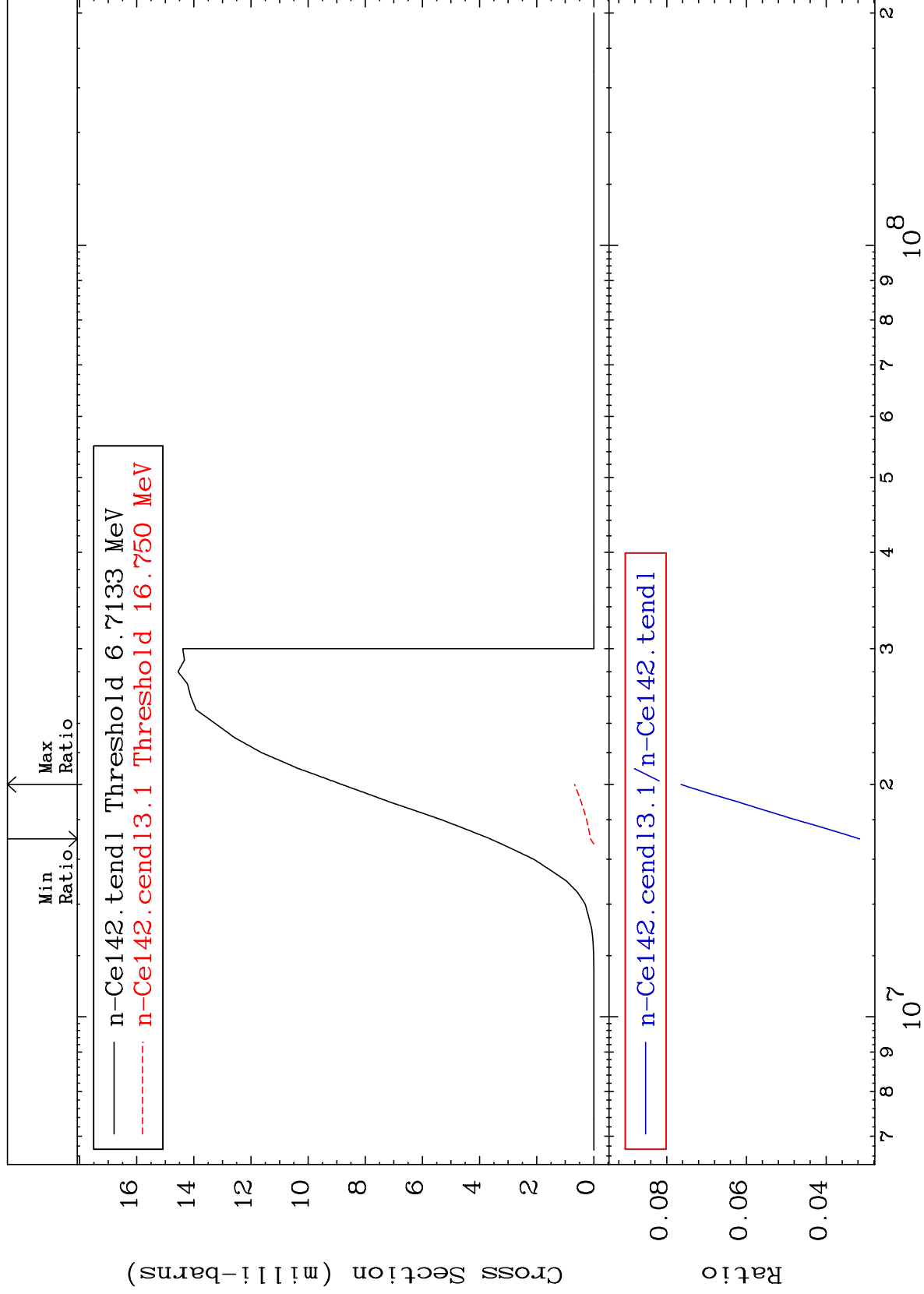
MAT 5843

(n, d)

58-Ce-142

Cross Section

-96.84 To -92.36%



17

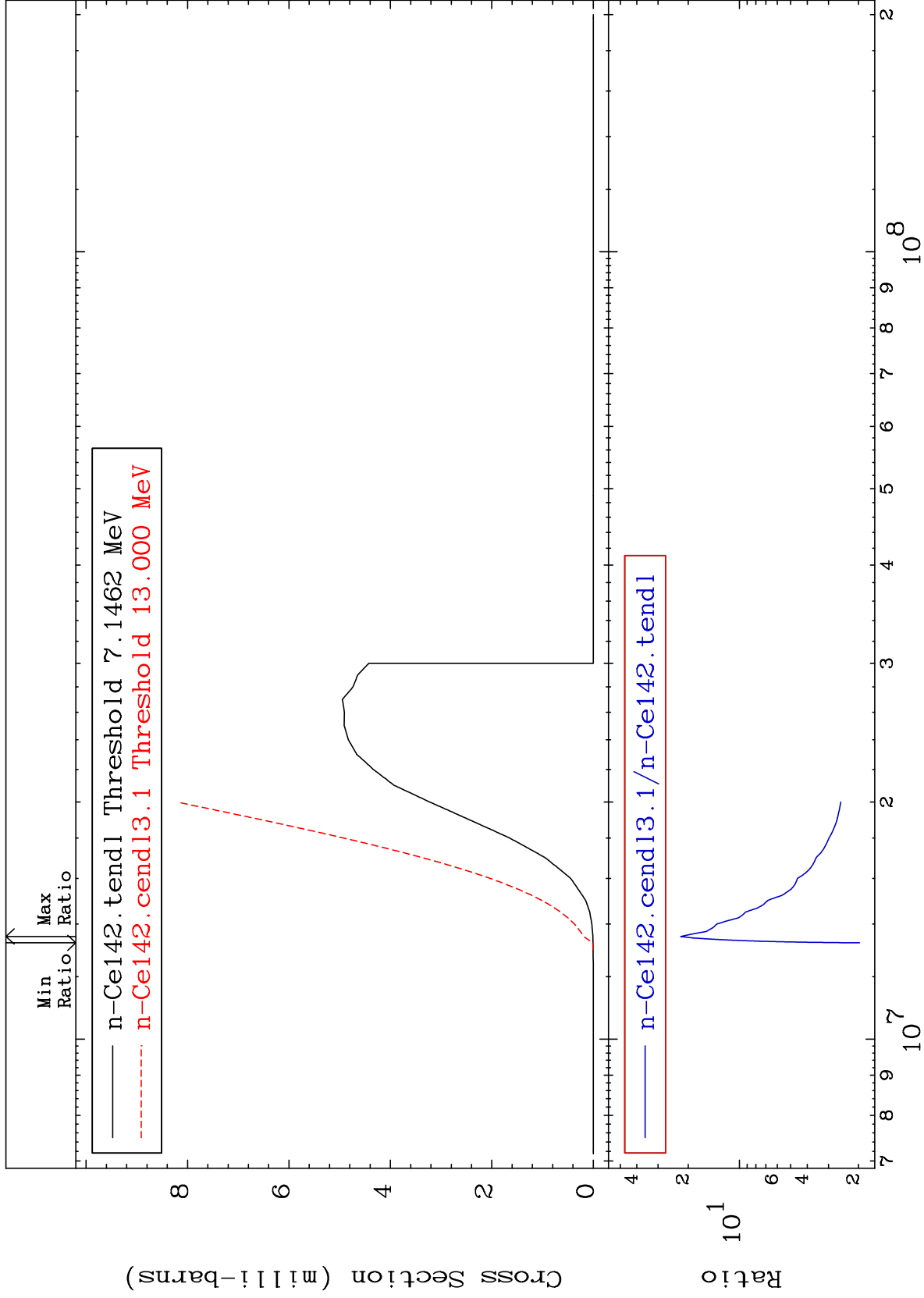
Incident Energy (eV)

58-Ce-142

MAT 5843

(n, t)
Cross Section

58-Ce-142
97.35 %
To 2109. %



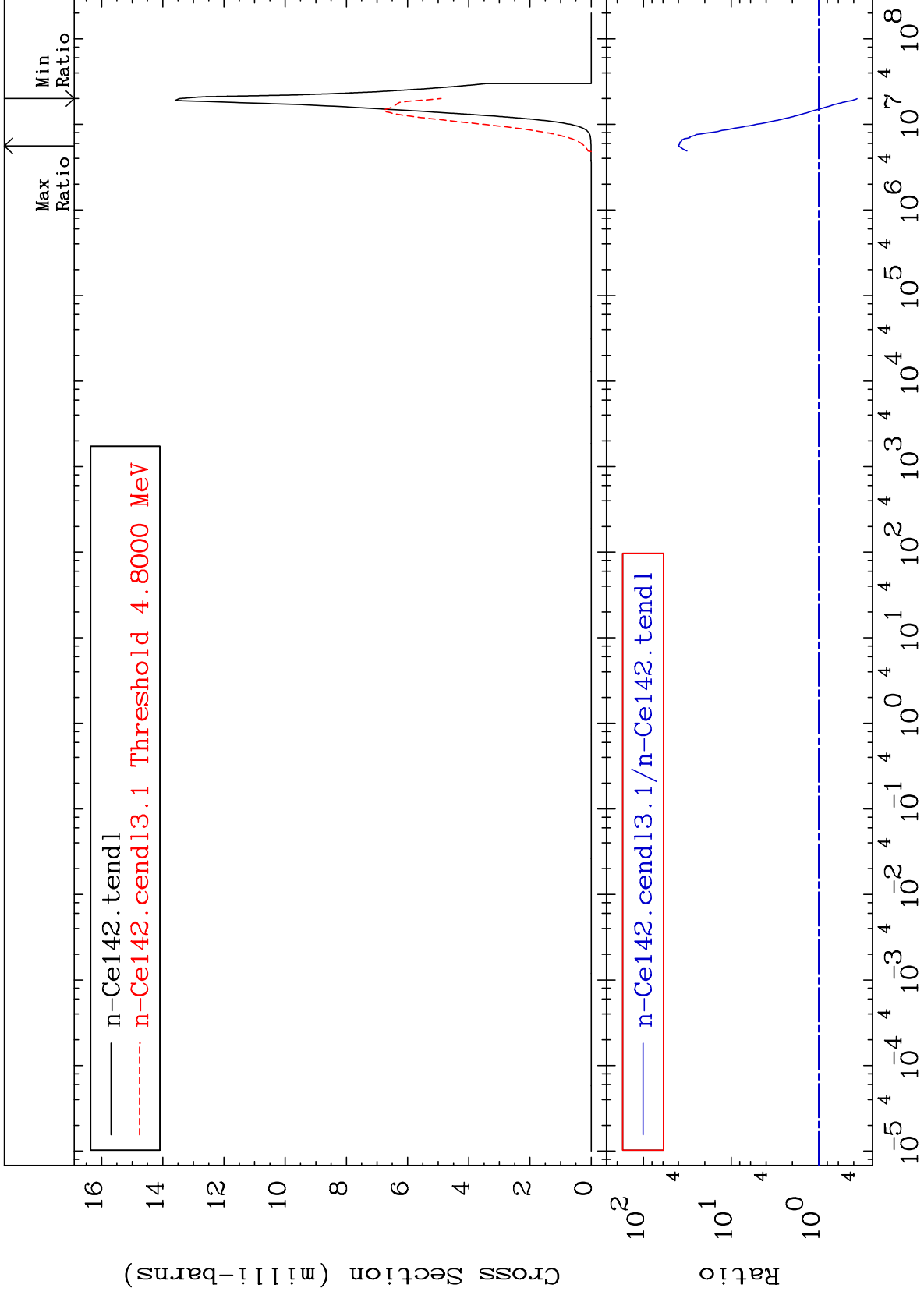
18

58-Ce-142

MAT 5843

(n, α)
Cross Section

58-Ce-142
-63.55 To 3877. %



19

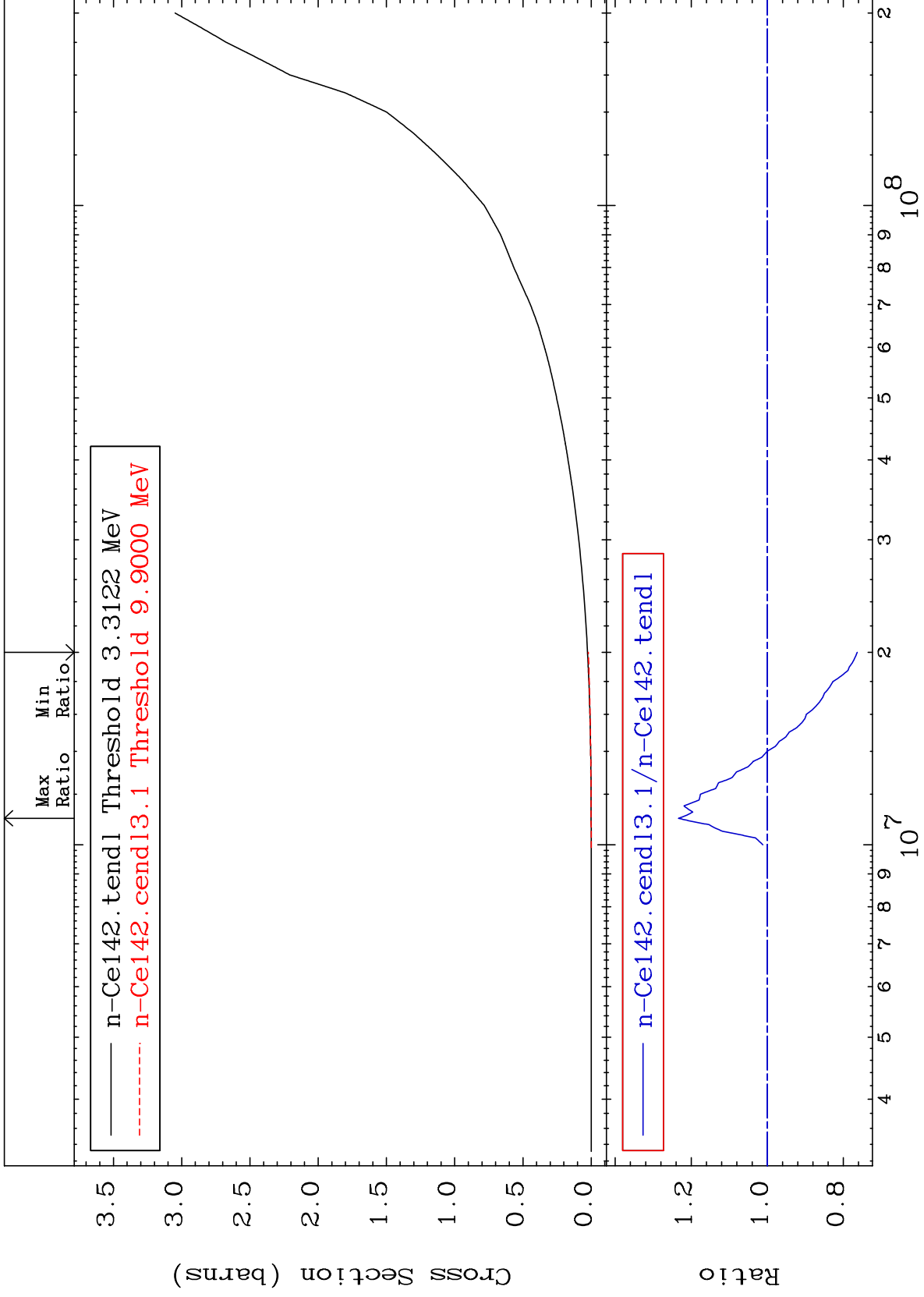
Incident Energy (eV)

58-Ce-142

MAT 5843

Hydrogen Production
Cross Section

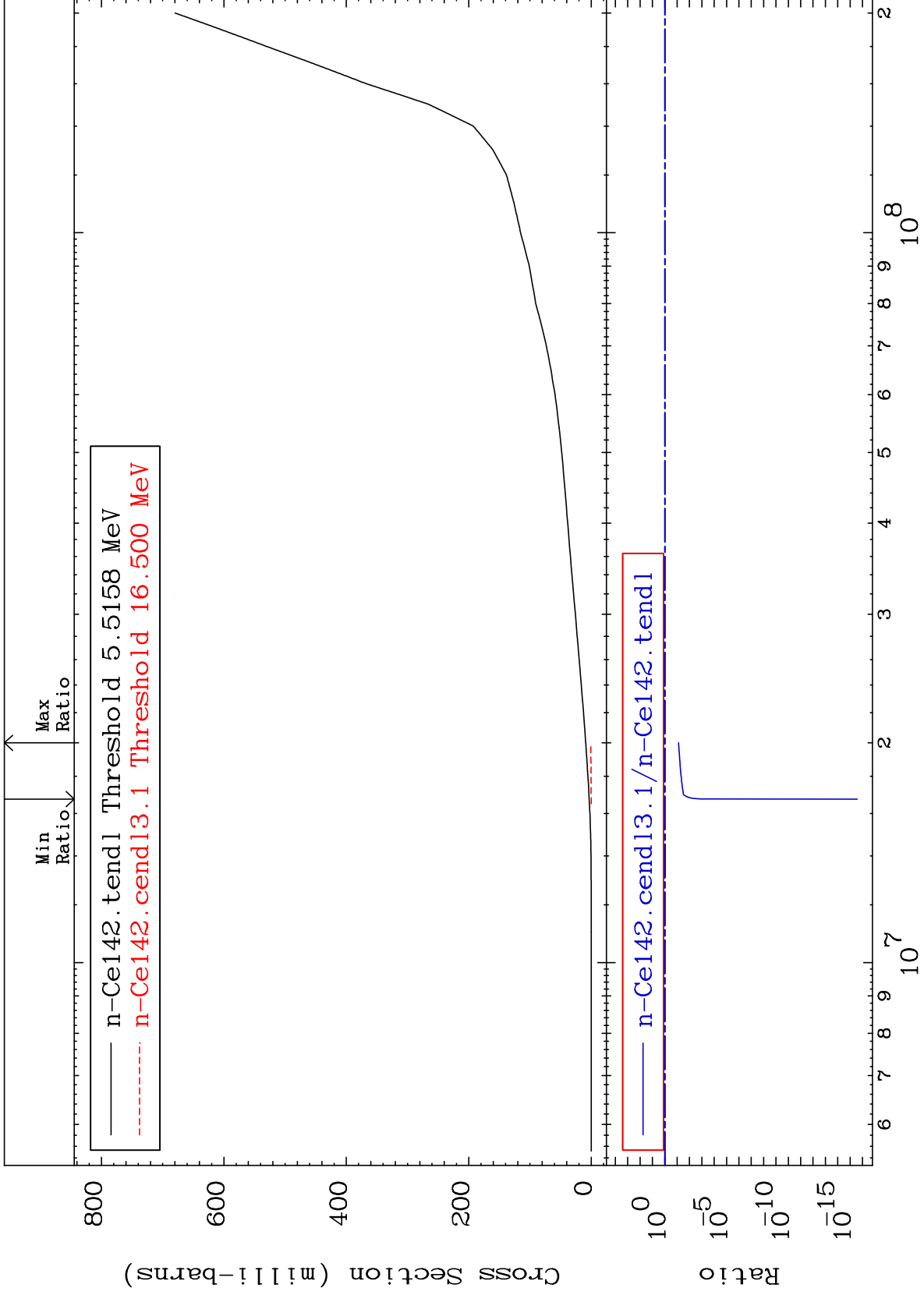
58-Ce-142
-23.65 To 23.32 %



MAT 5843

Deuterium Production
Cross Section

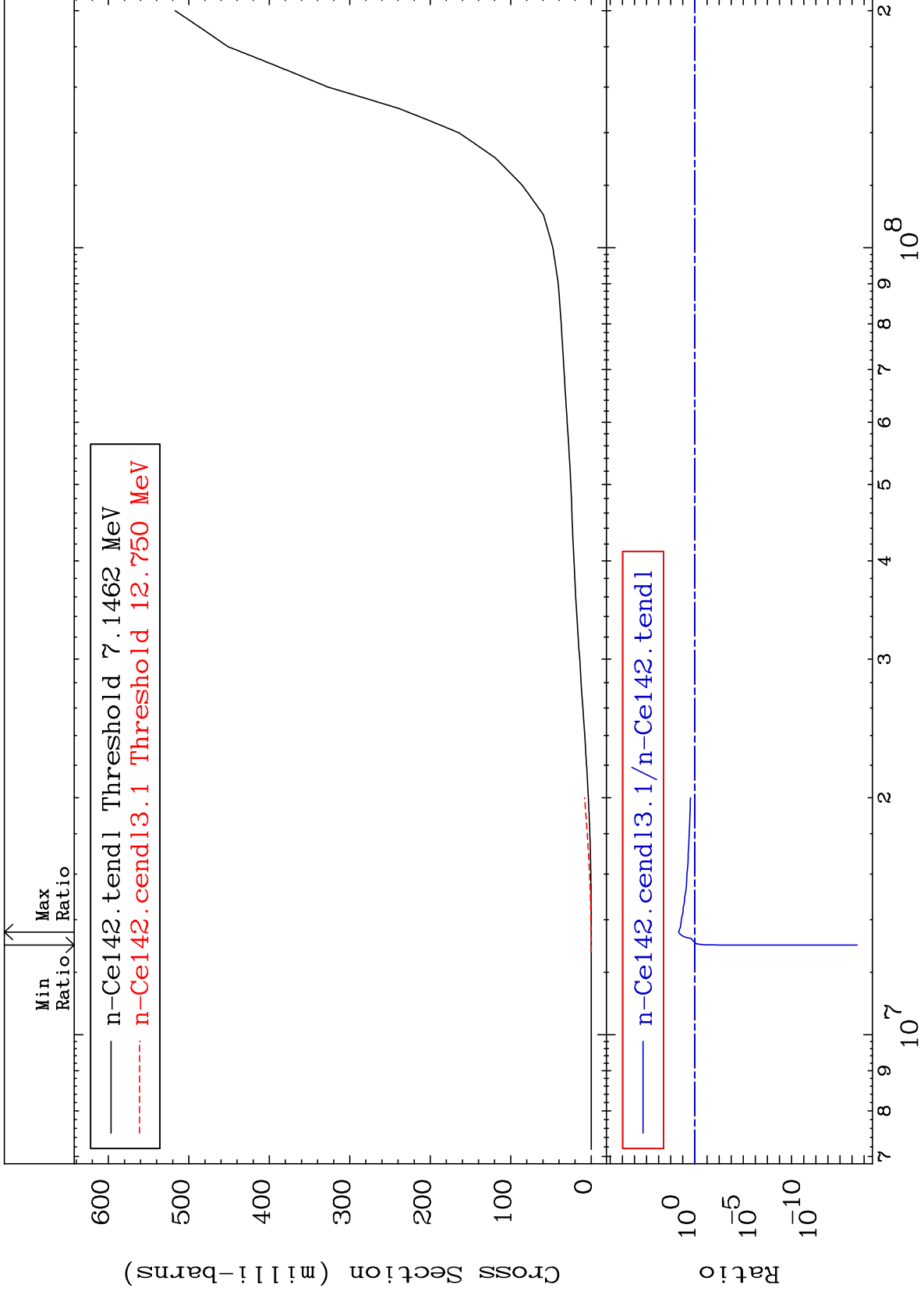
58-Ce-142
-100.0 To -92.46%



MAT 5843

Tritium Production
Cross Section

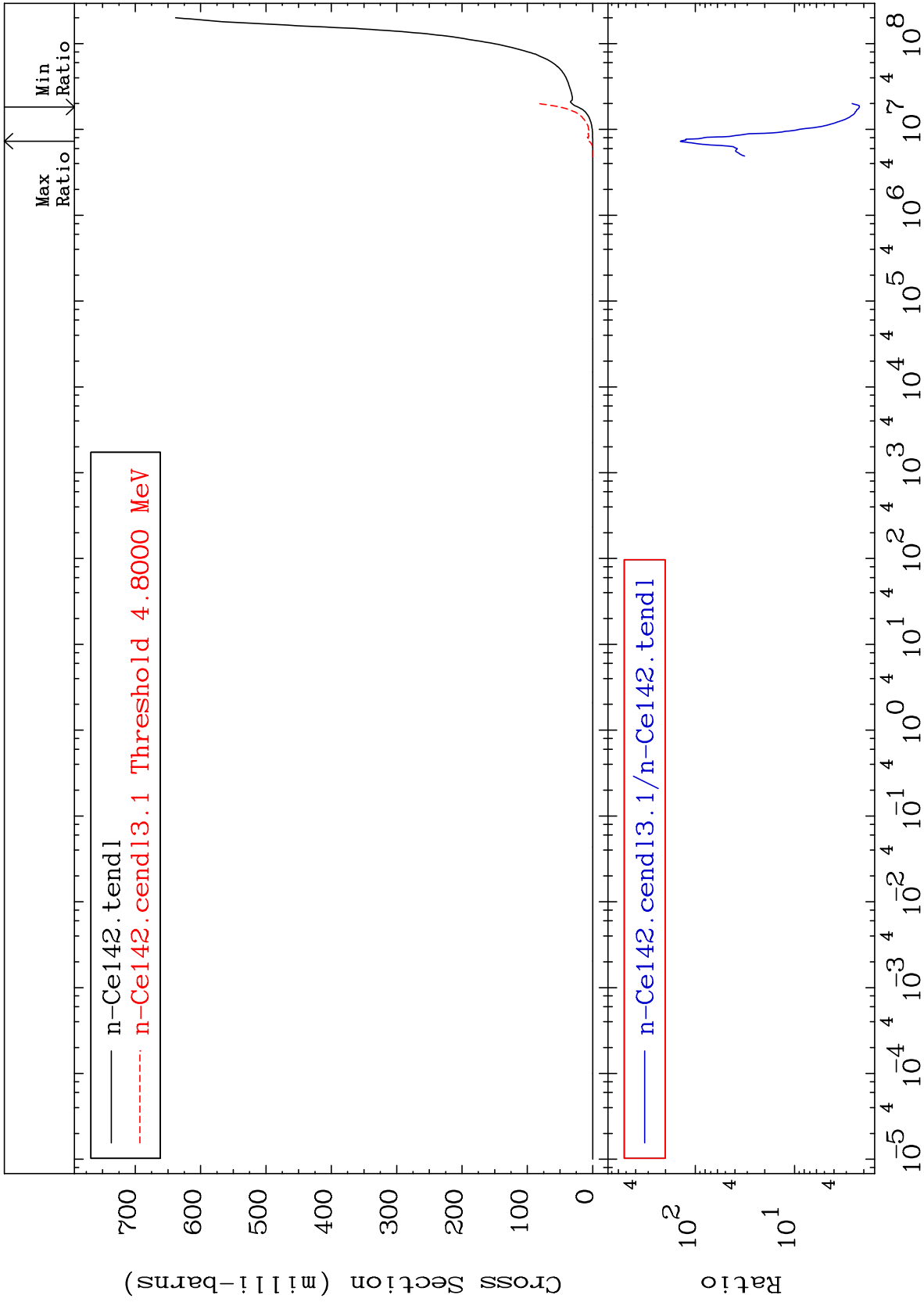
58-Ce-142
-100.0 To 2109. %

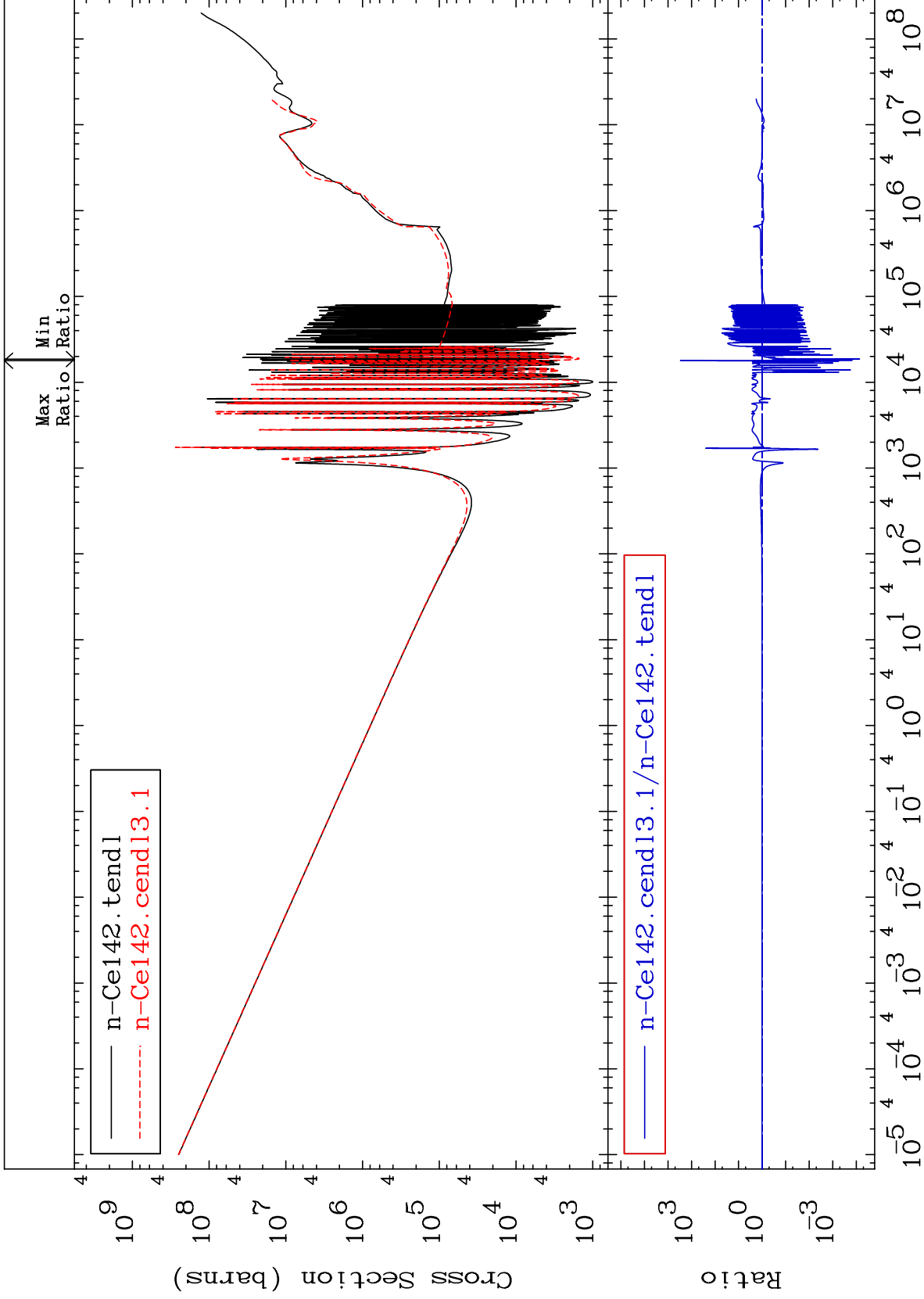


MAT 5843

He-4 Production
Cross Section

58-Ce-142
121.5 To 9999. %

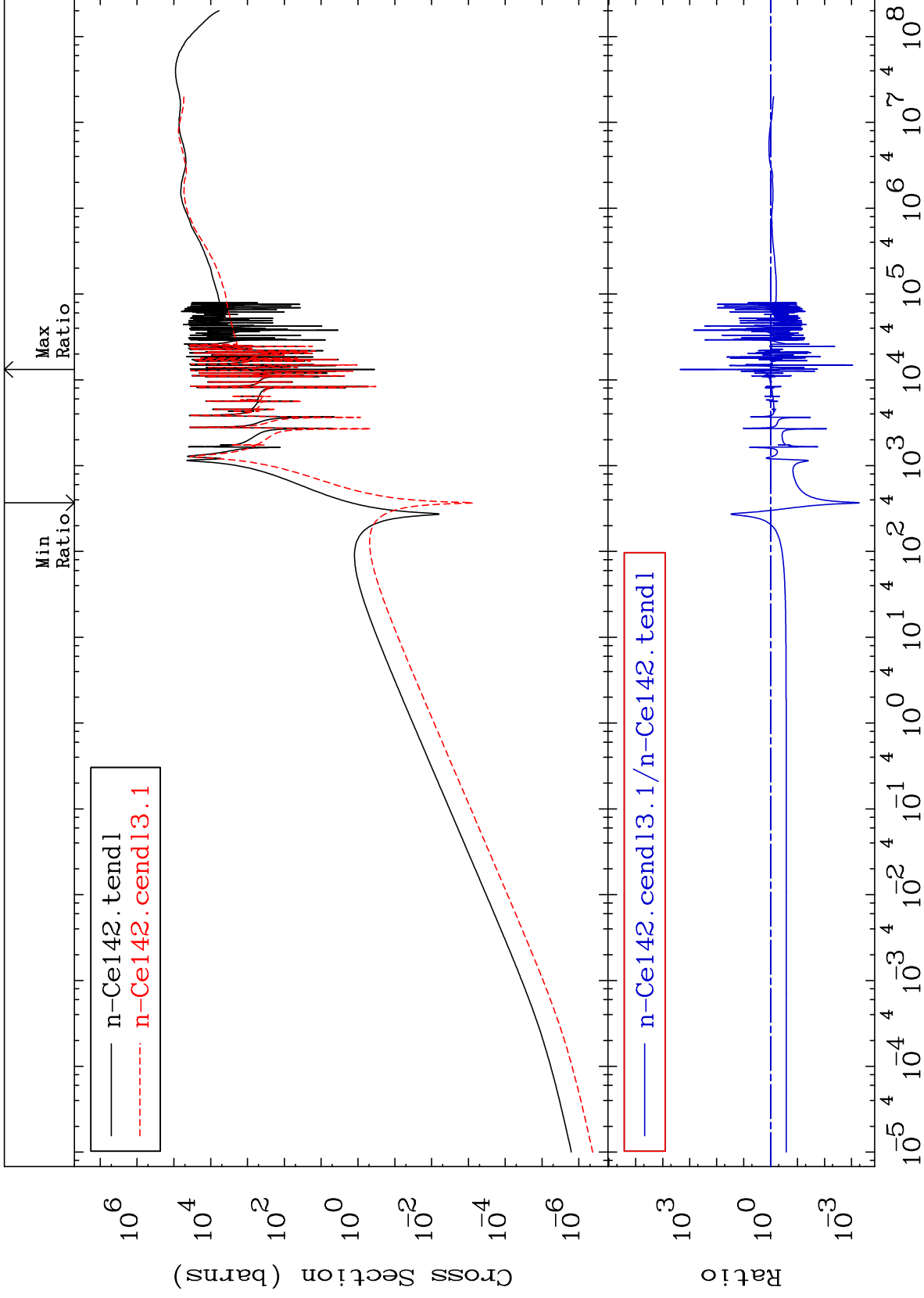




MAT 5843

Kerma elastic
Cross Section

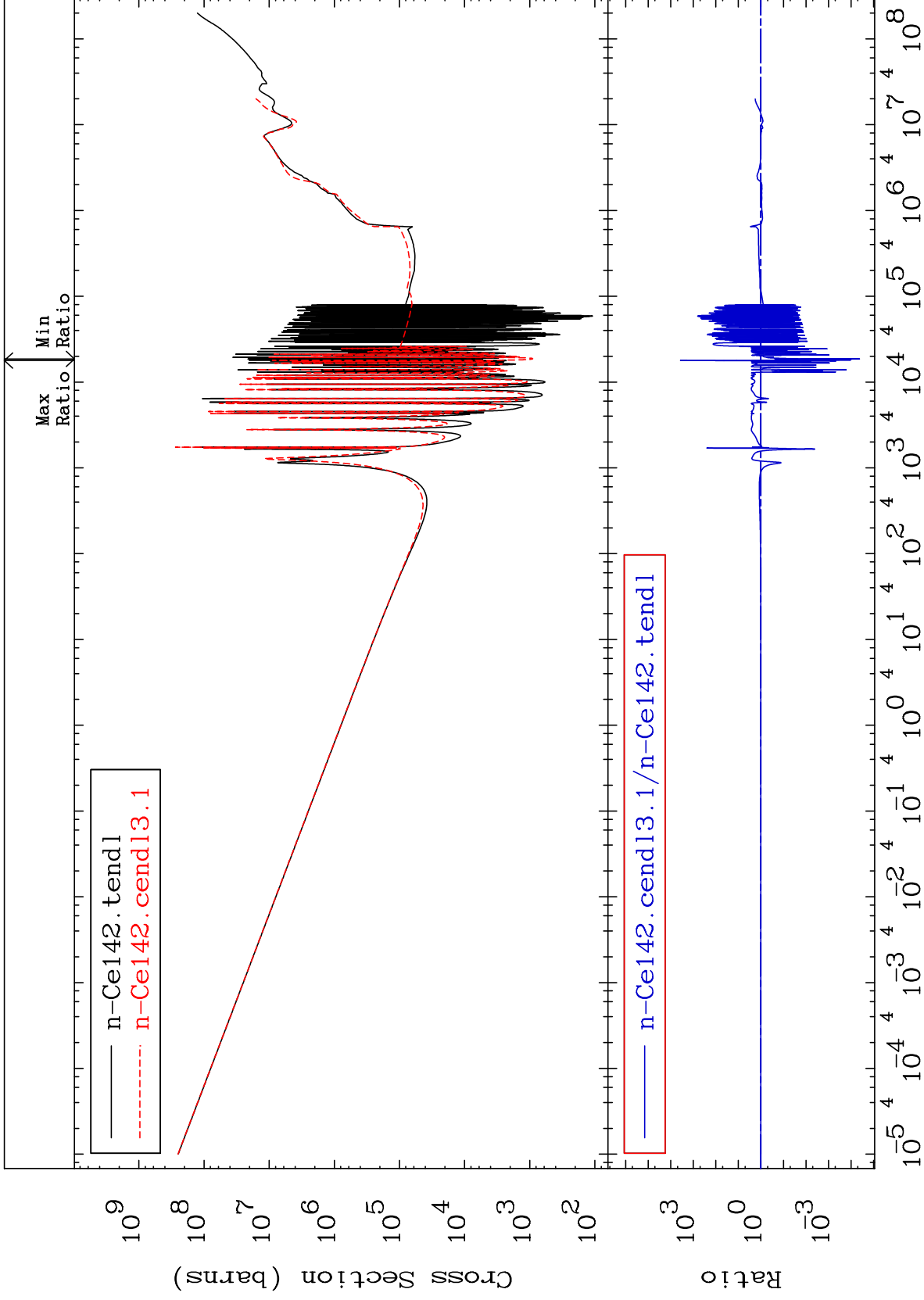
58-Ce-142
-99.95 To 9999. %

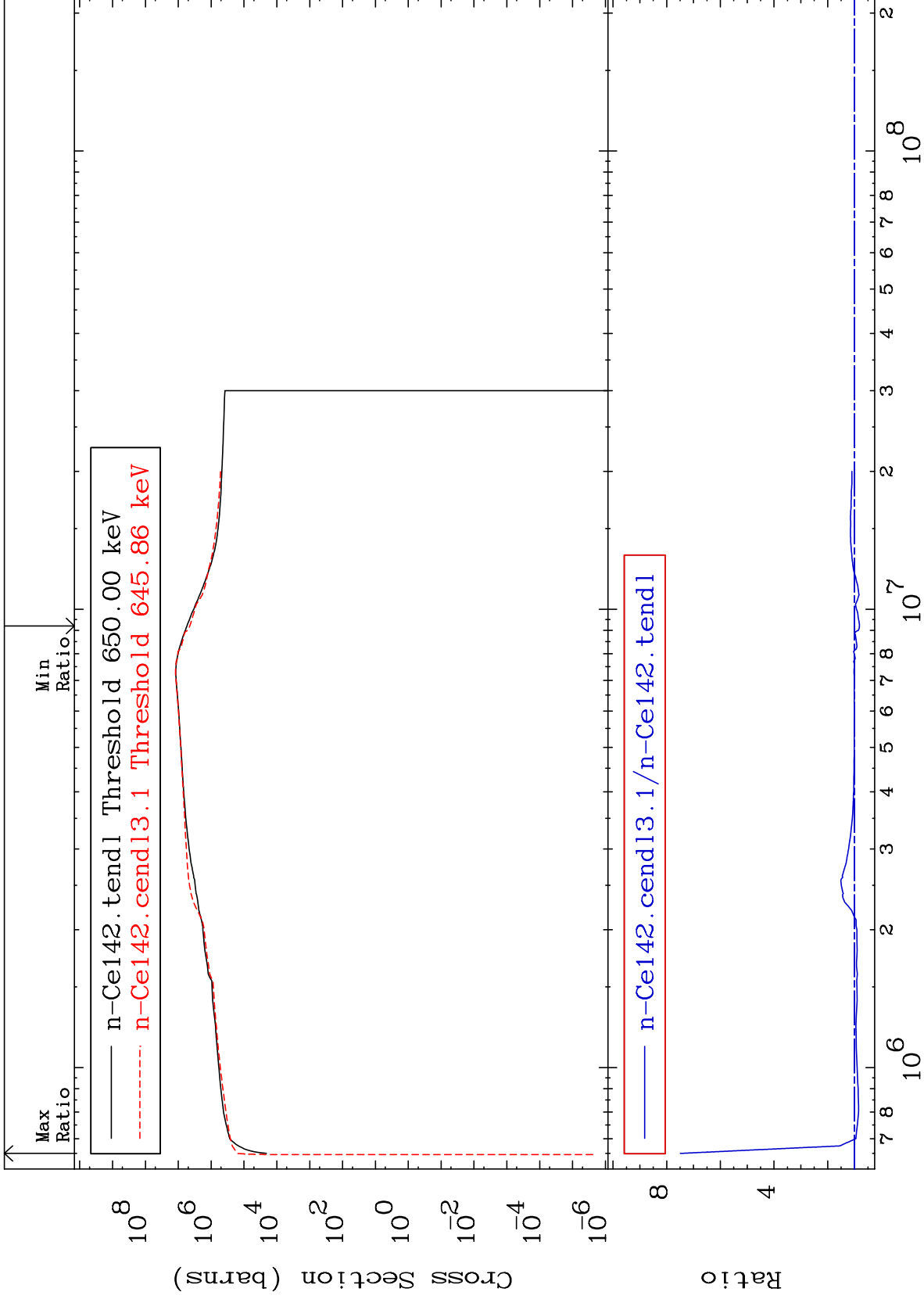


25

Incident Energy (eV)

58-Ce-142

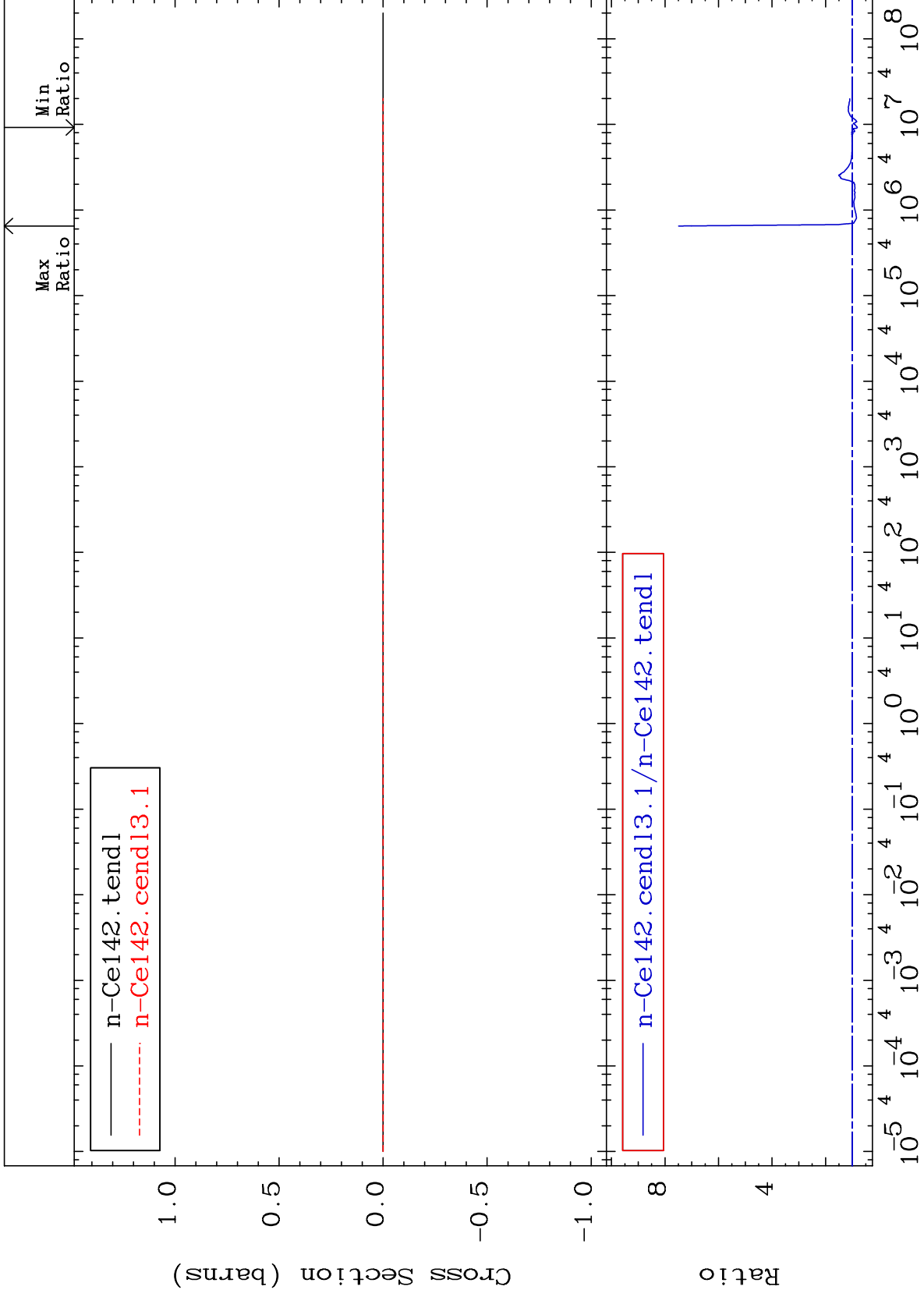




MAT 5843

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

58-Ce-142
-18.38 To 649.0 %



28

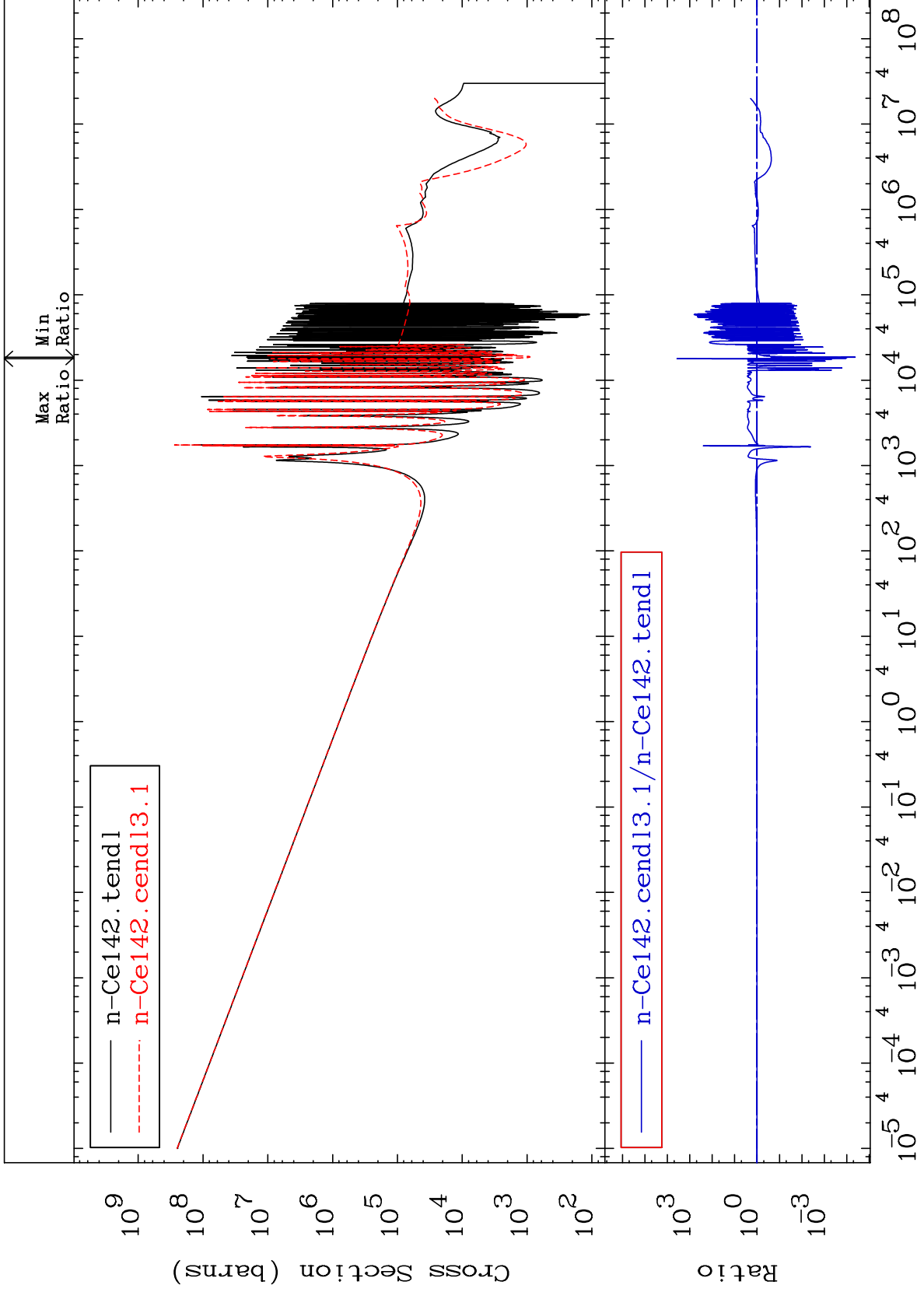
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma capture (mt102)
Cross Section

58-Ce-142
-100.0 To 9999. %

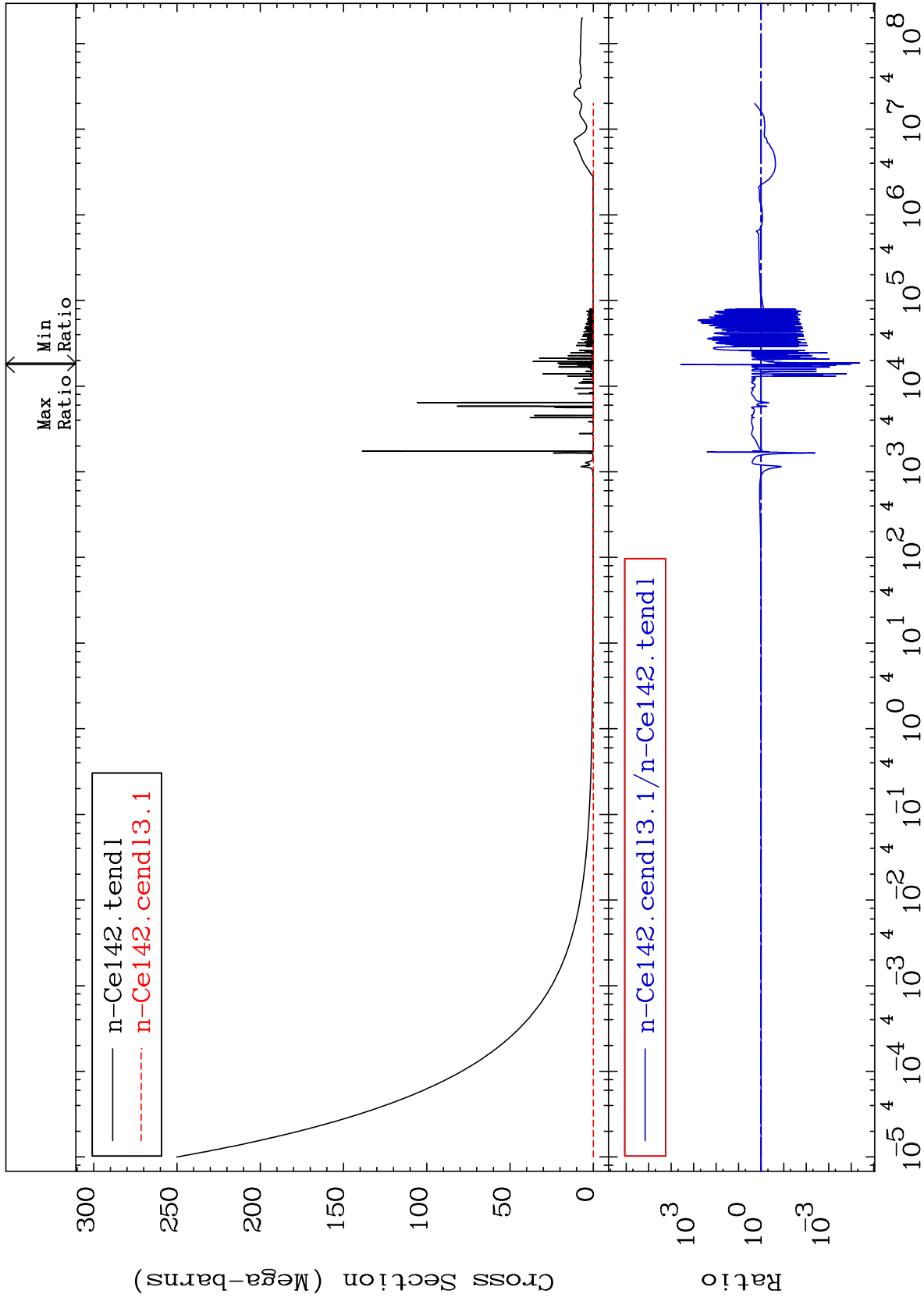


MAT 5843

Total photon (eV-barns)
Cross Section

58-Ce-142

-100.0 To 9999. %



30

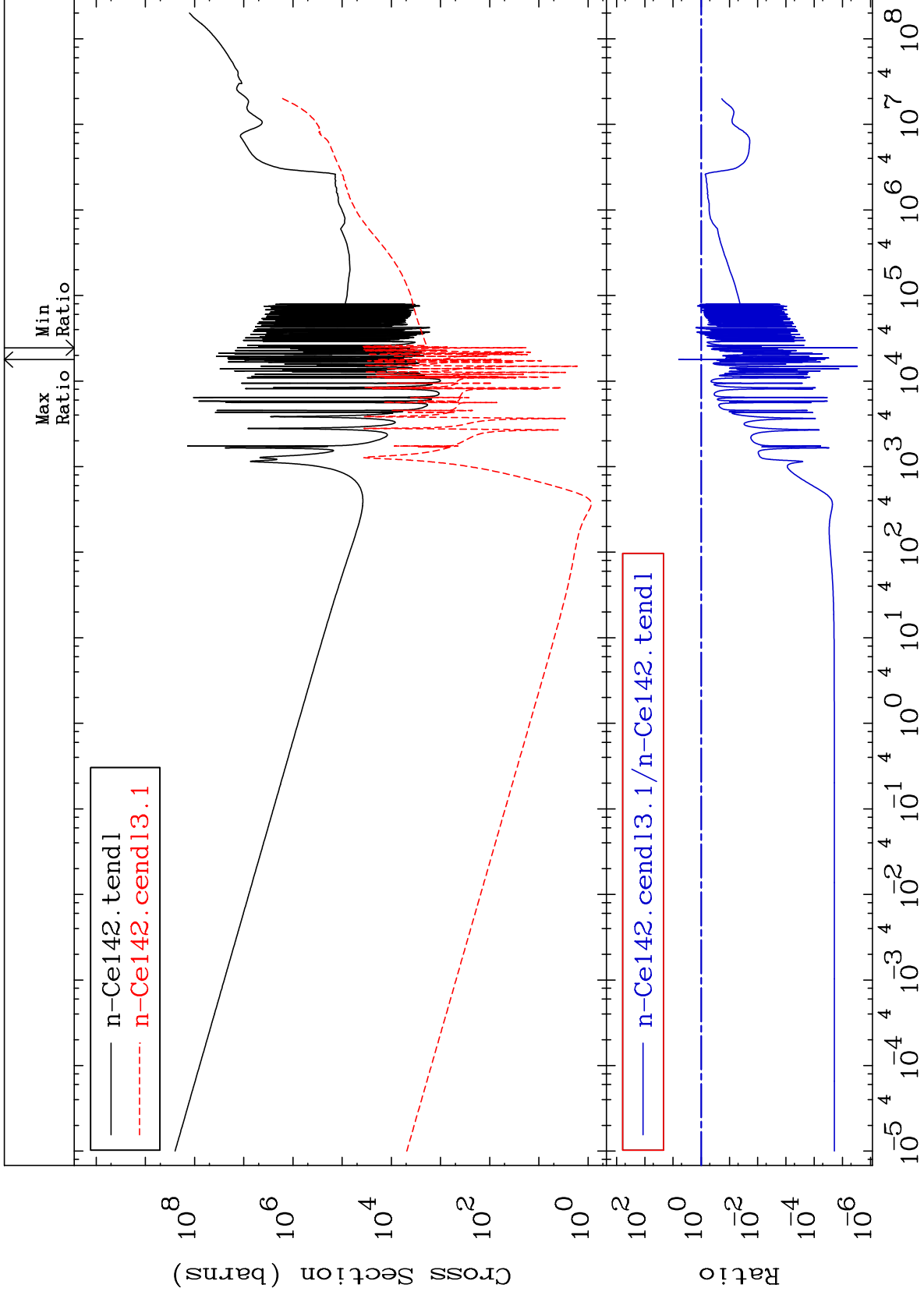
Incident Energy (eV)

58-Ce-142

MAT 5843

Total kinematic kerma (high limit)
Cross Section

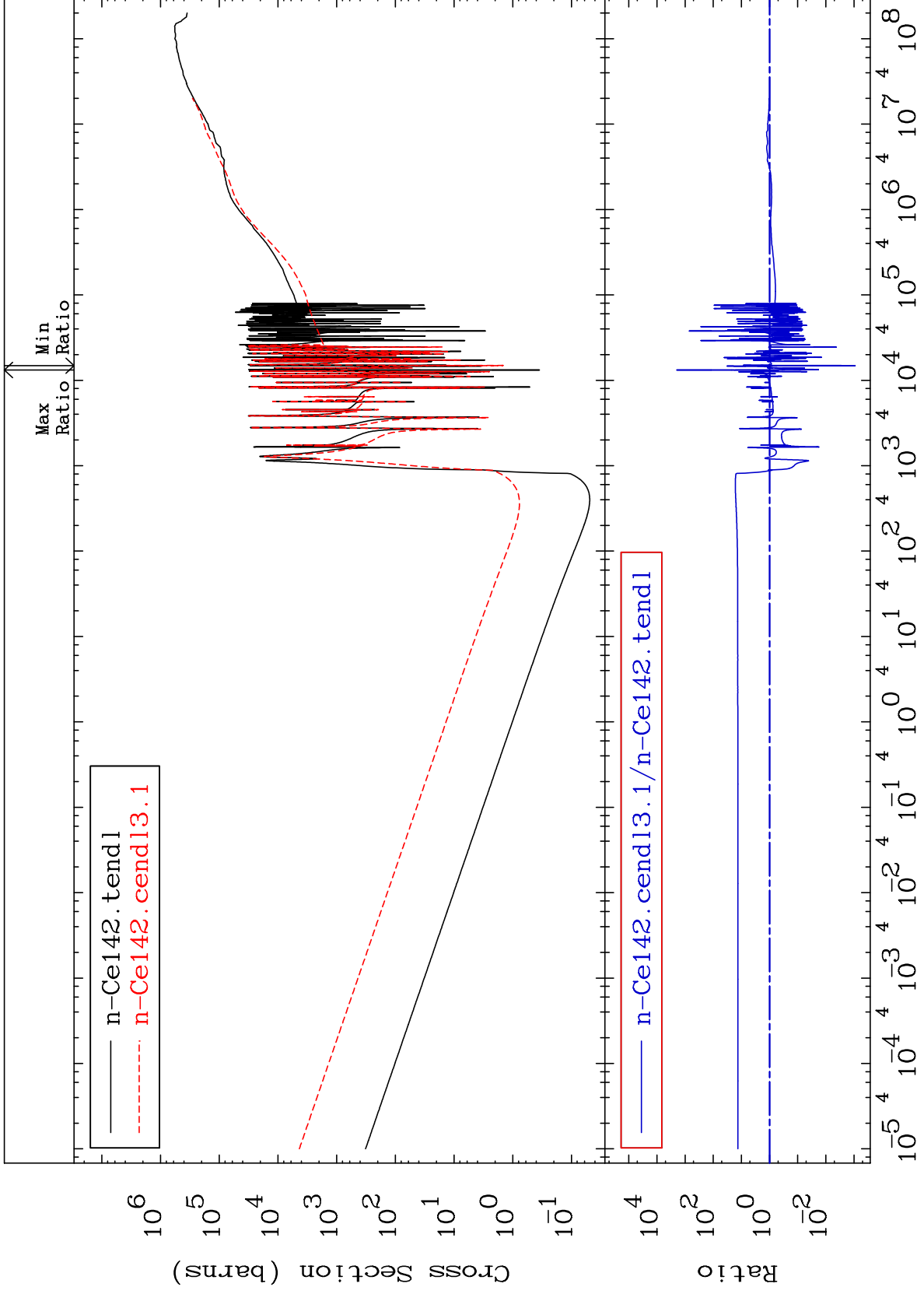
58-Ce-142
-100.0 To 533.1 %



MAT 5843

Dpa total (eV-barns)
Cross Section

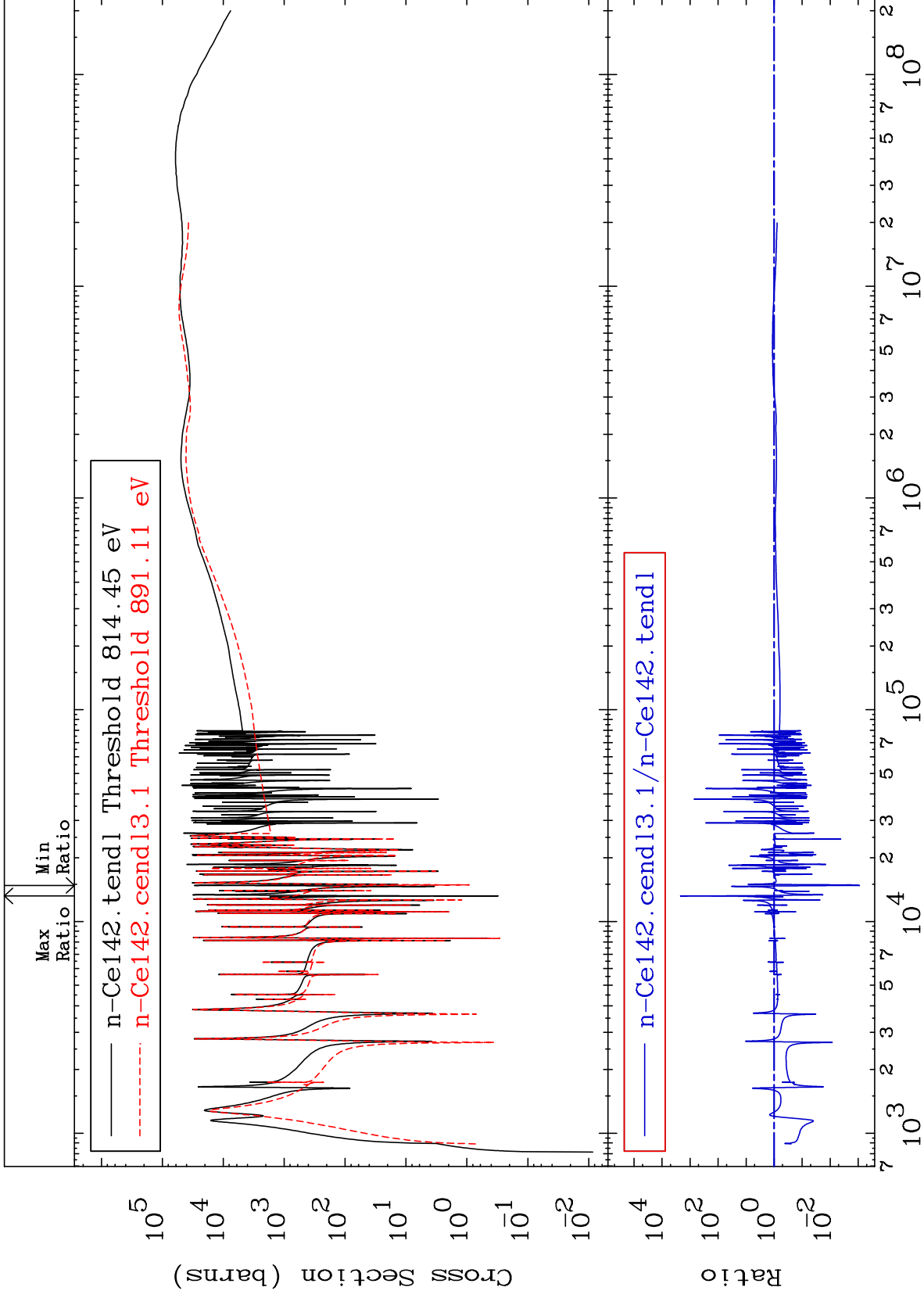
58-Ce-142
-99.91 To 9999. %



MAT 5843

Dpa elastic (mt2)
Cross Section

58-Ce-142
-99.91 To 9999. %



33

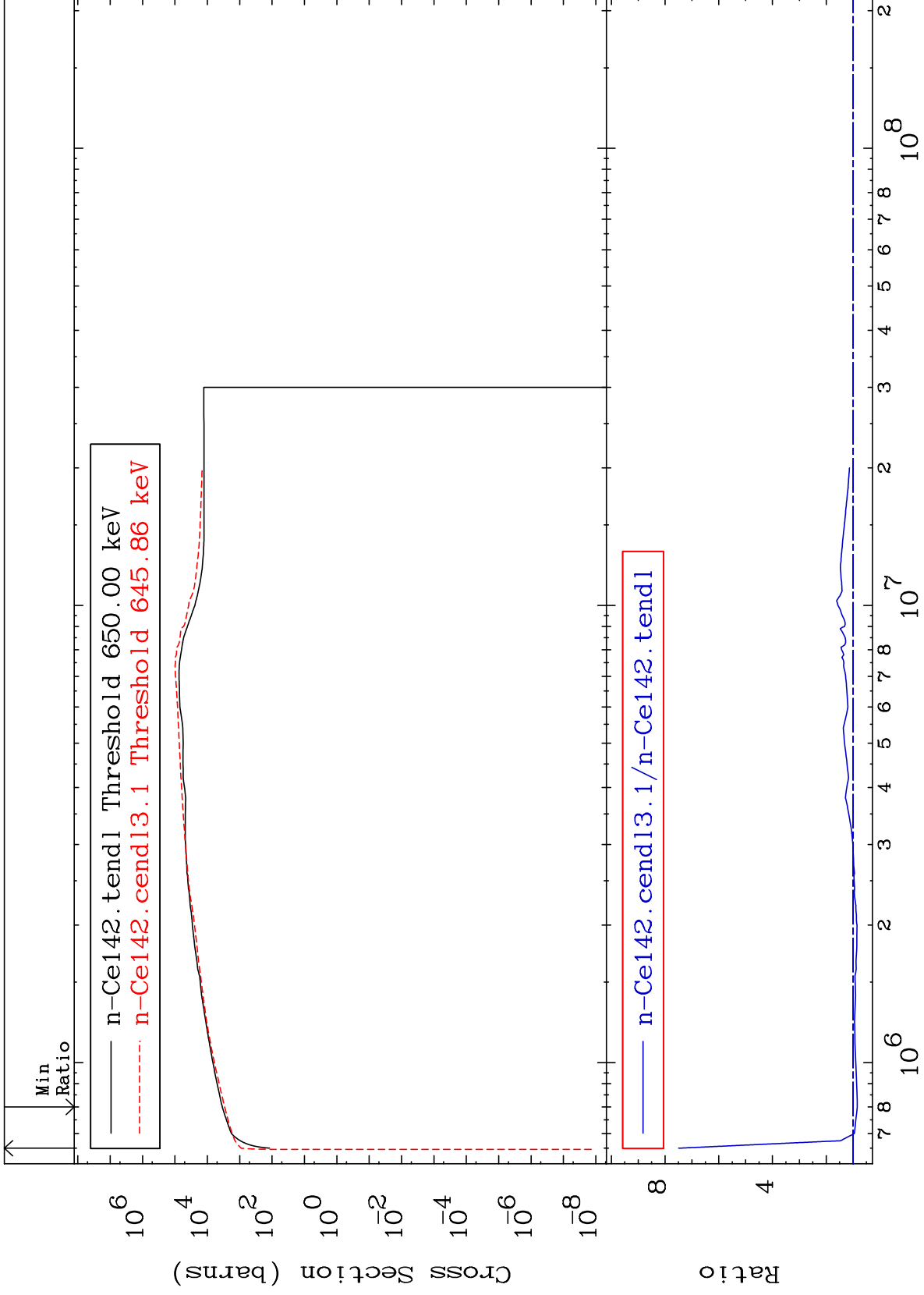
Incident Energy (eV)

58-Ce-142

MAT 5843

Dpa inelastic (mt51-91)
Cross Section

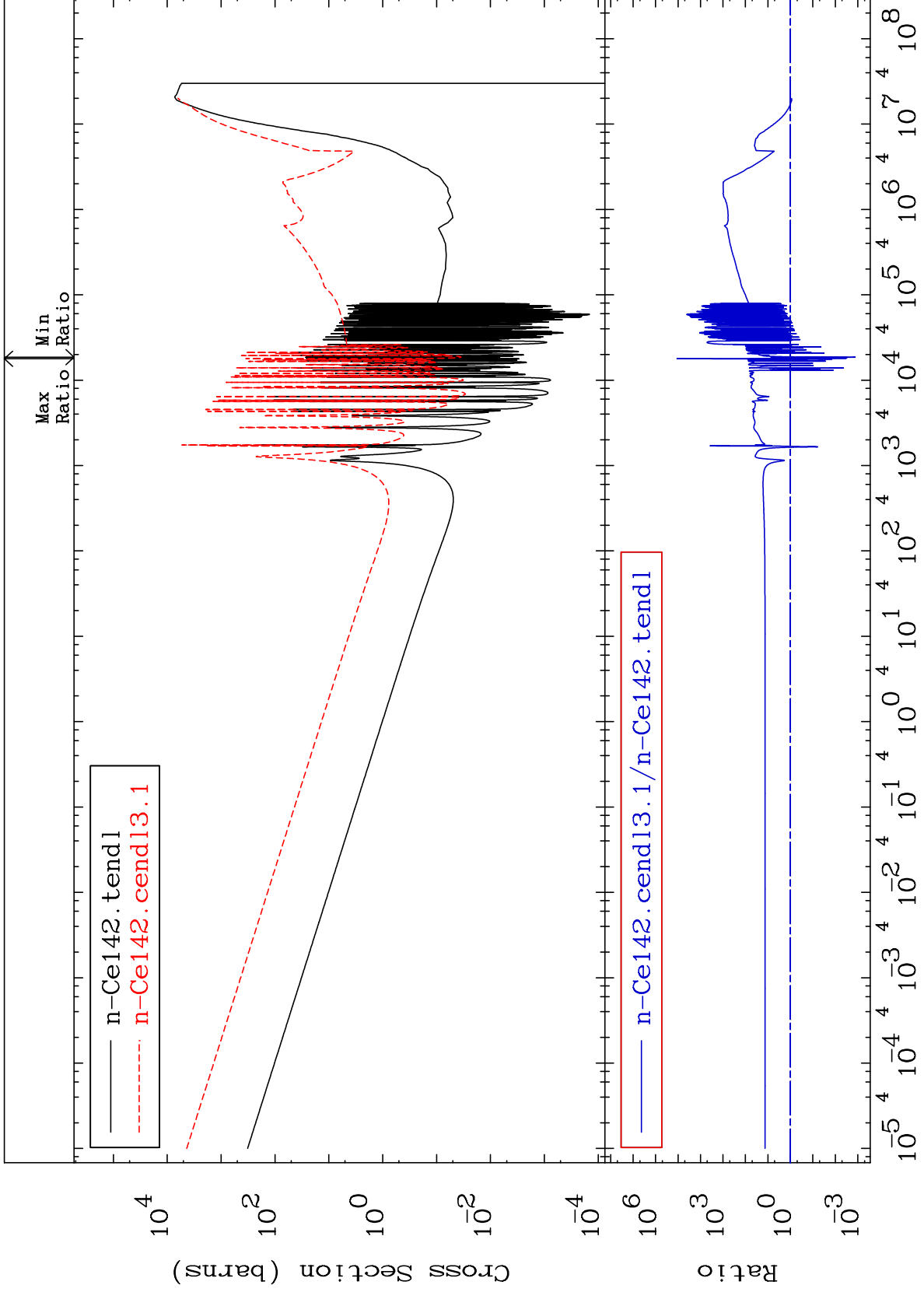
58-Ce-142
-15.67 To 649.4 %



MAT 5843

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-142
-99.87 To 9999. %



35

Incident Energy (eV)

58-Ce-142