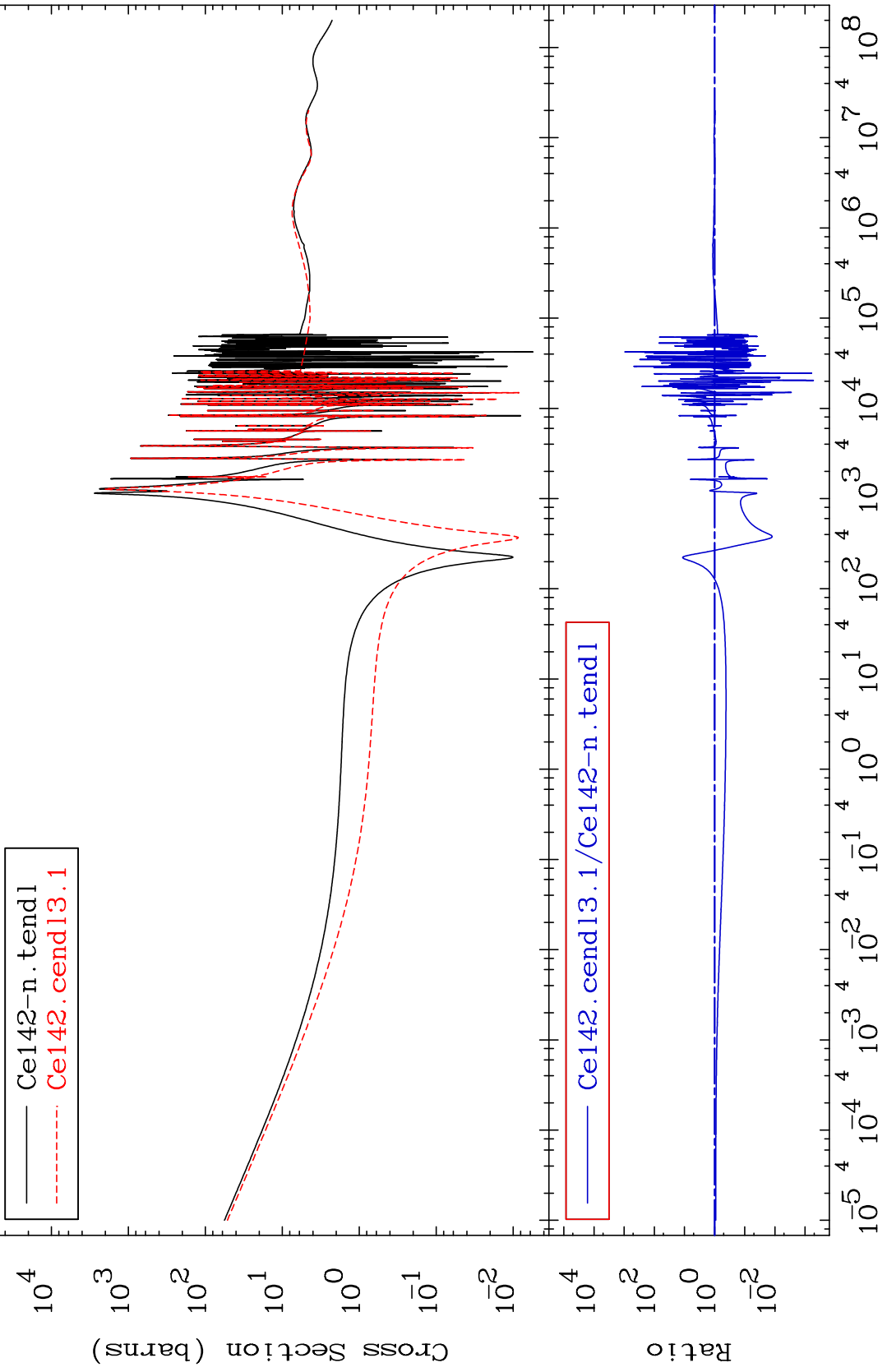


MAT 5843

Total
Cross Section

58-Ce-142
-99.95 To 9999. %



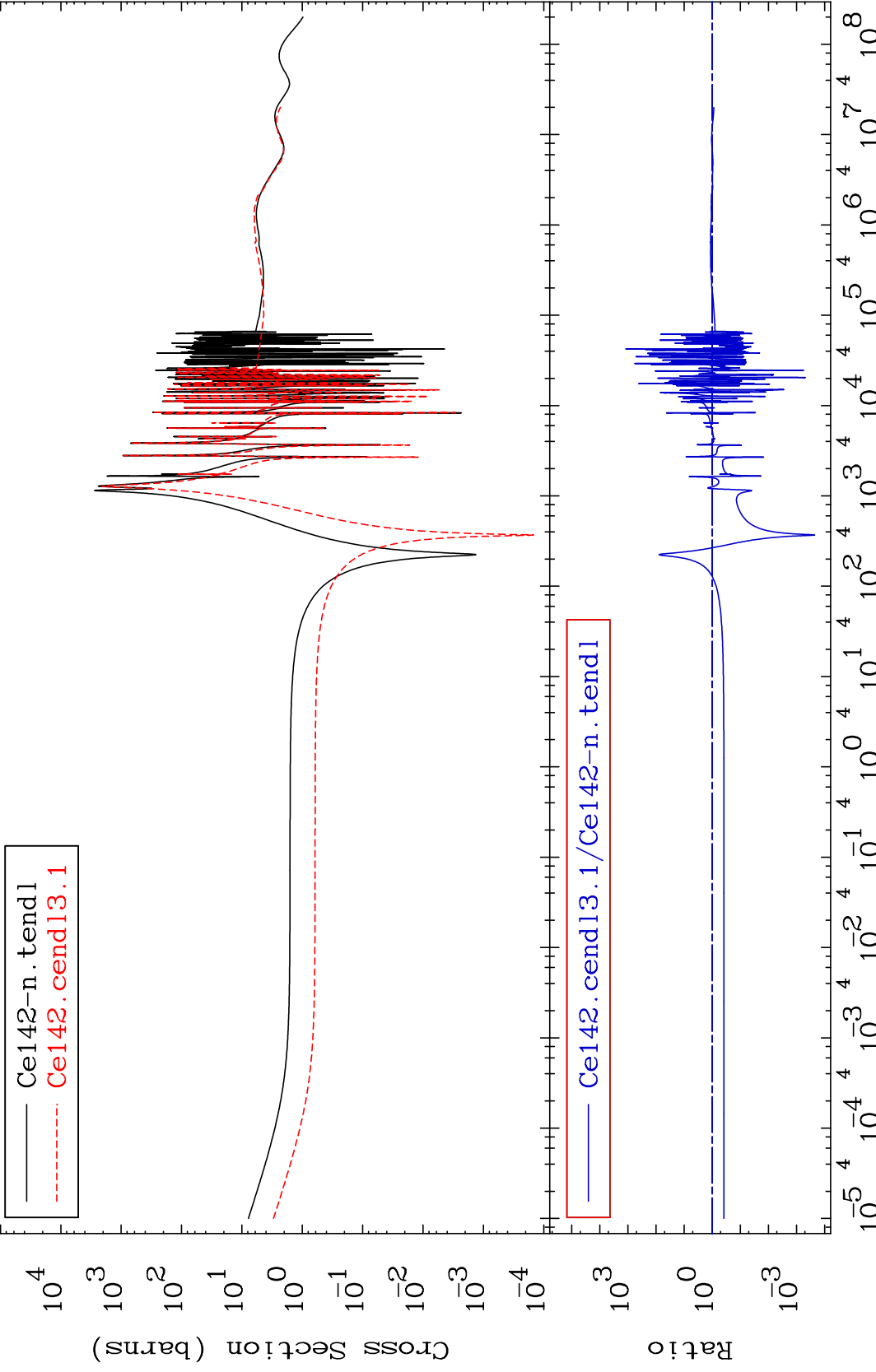
Incident Energy (eV)

58-Ce-142

MAT 5843

Elastic
Cross Section

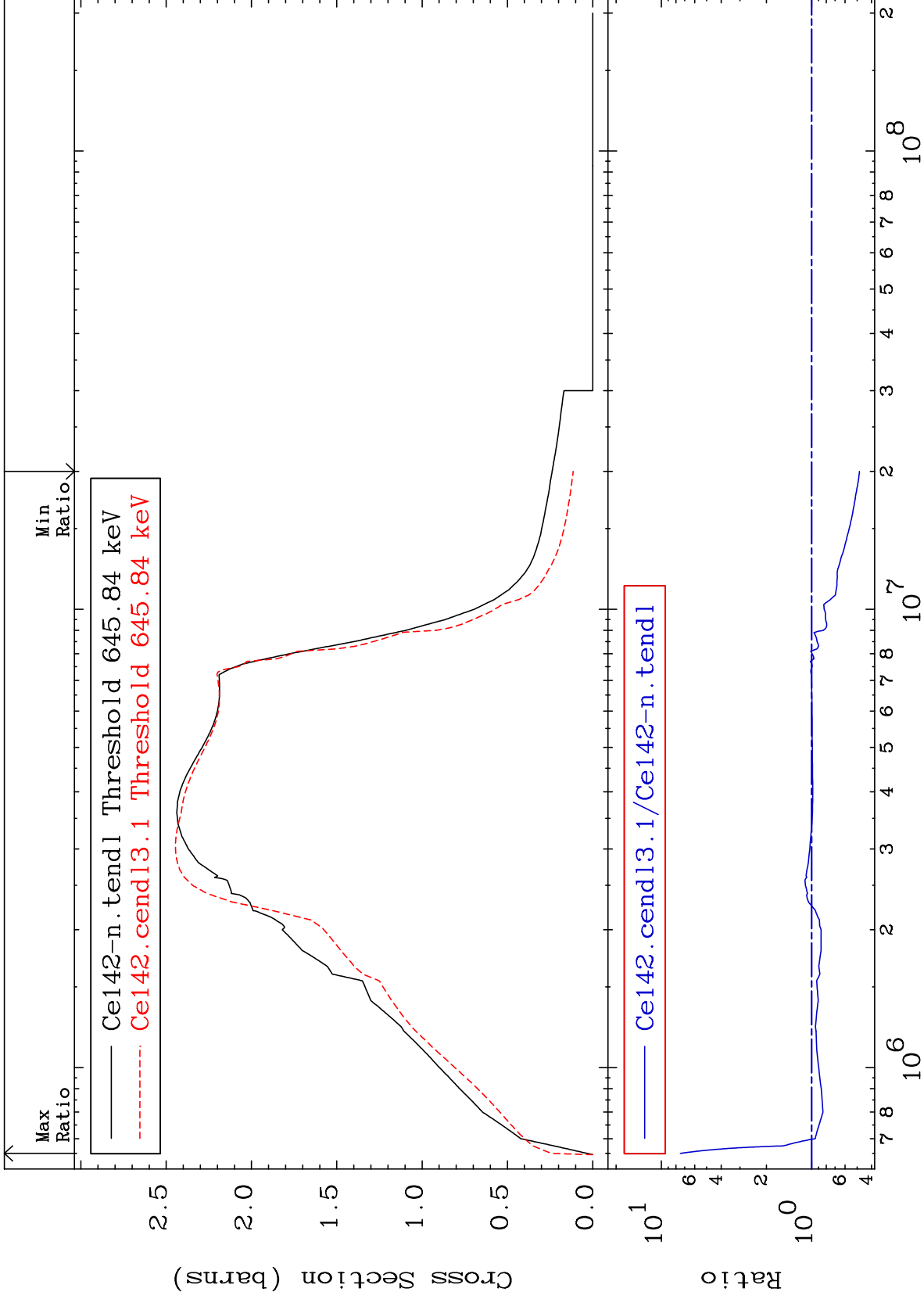
58-Ce-142
-99.98 To 9999. %



MAT 5843

Inelastic
Cross Section

58-Ce-142
-51.80 To 648.1 %



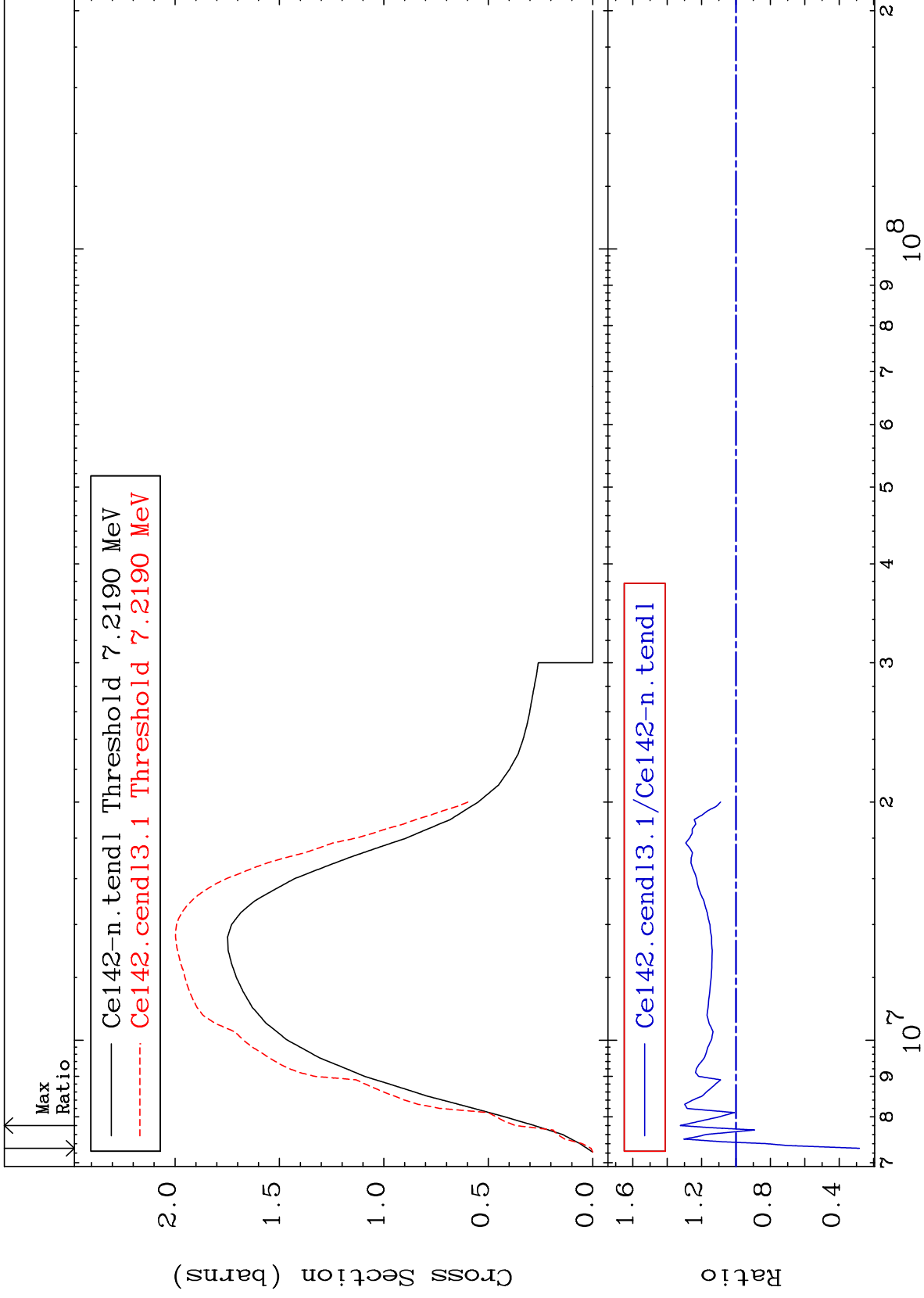
3

58-Ce-142

MAT 5843

(n,2n)
Cross Section

58-Ce-142
-71.73 To 32.37 %



4

Incident Energy (eV)

58-Ce-142

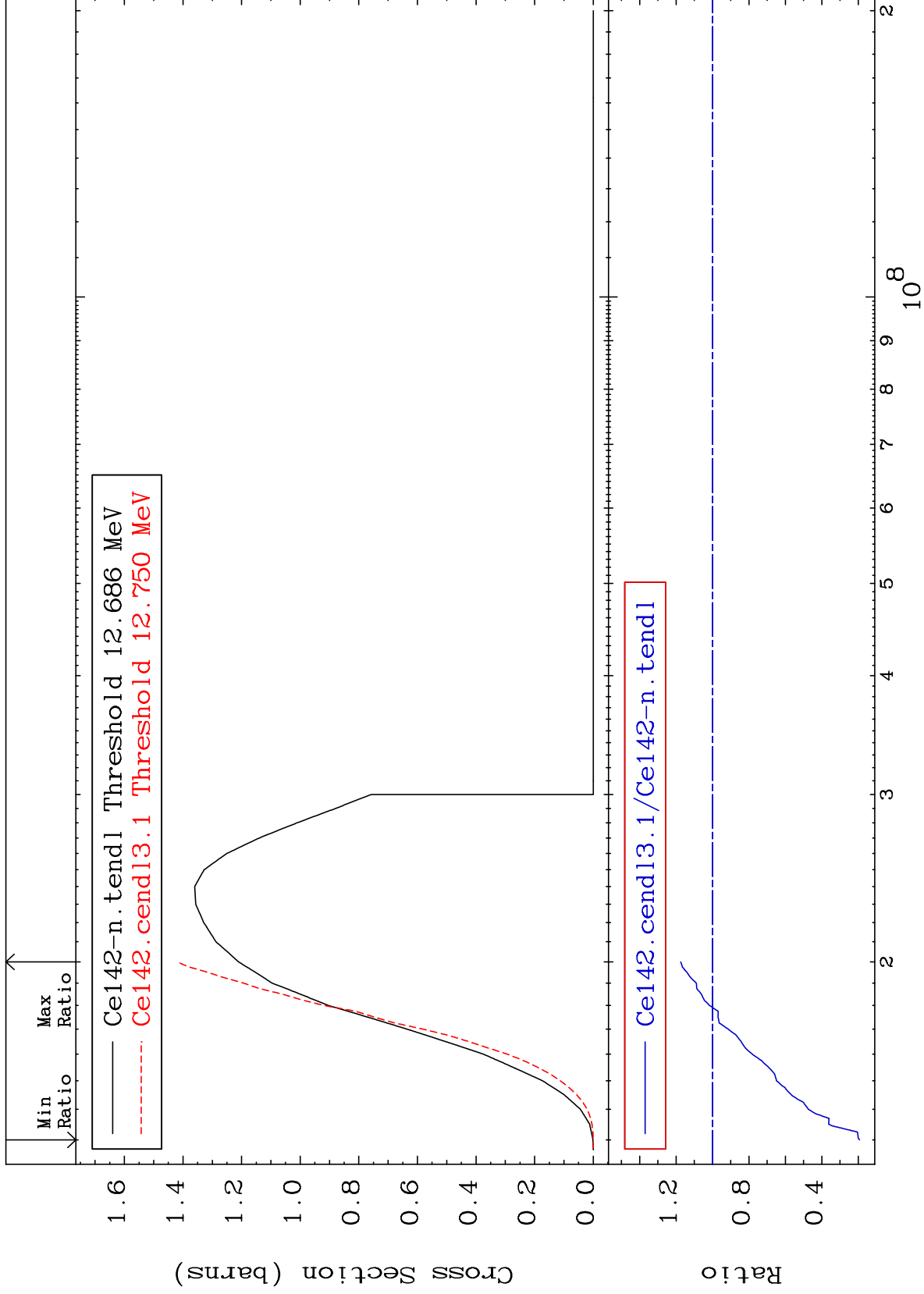
MAT 5843

(n,3n)

58-Ce-142

Cross Section

-80.70 To 17.44 %



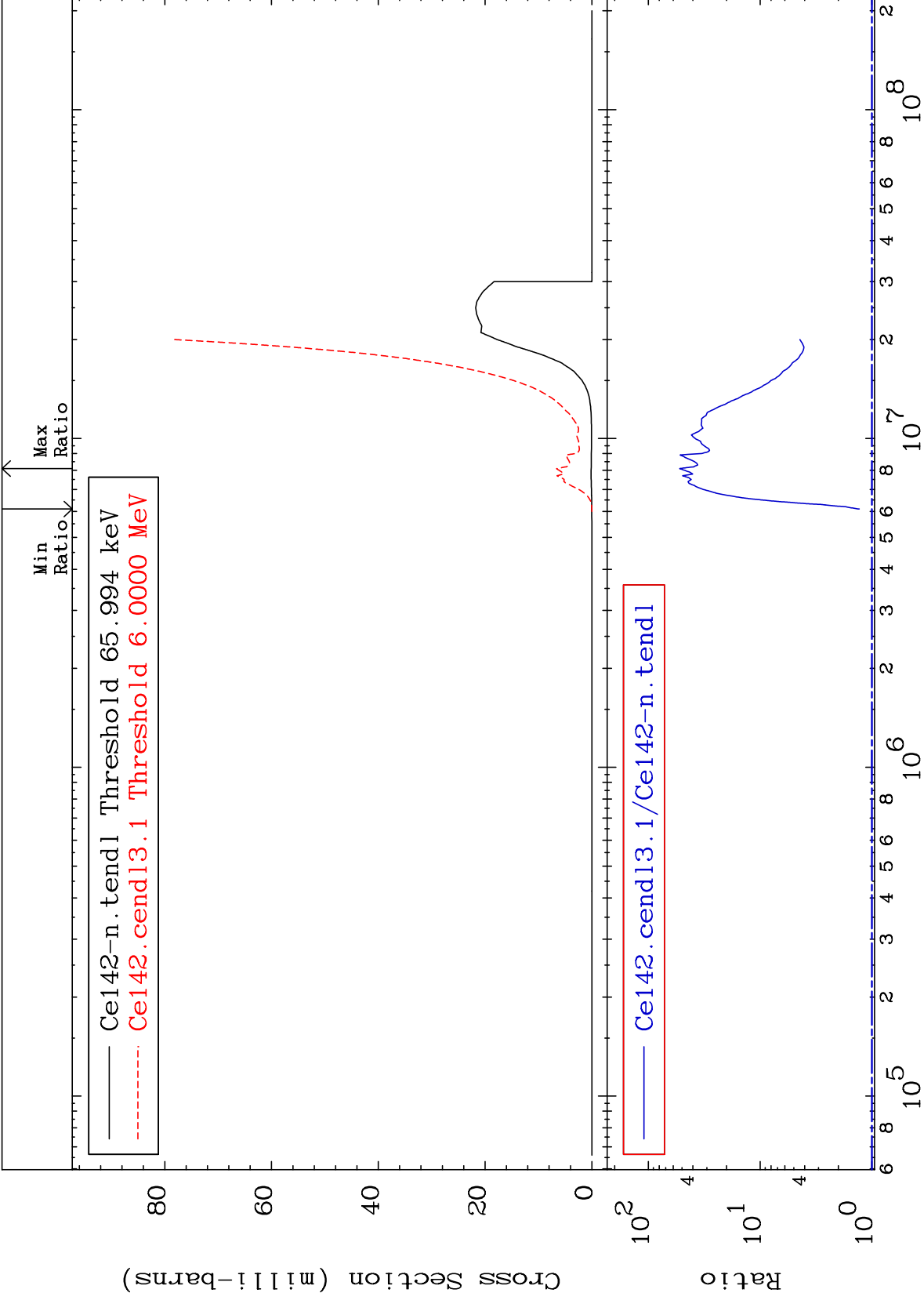
MAT 5843

(n, n') α

58-Ce-142

29.74 To 5137. %

Cross Section



58-Ce-142

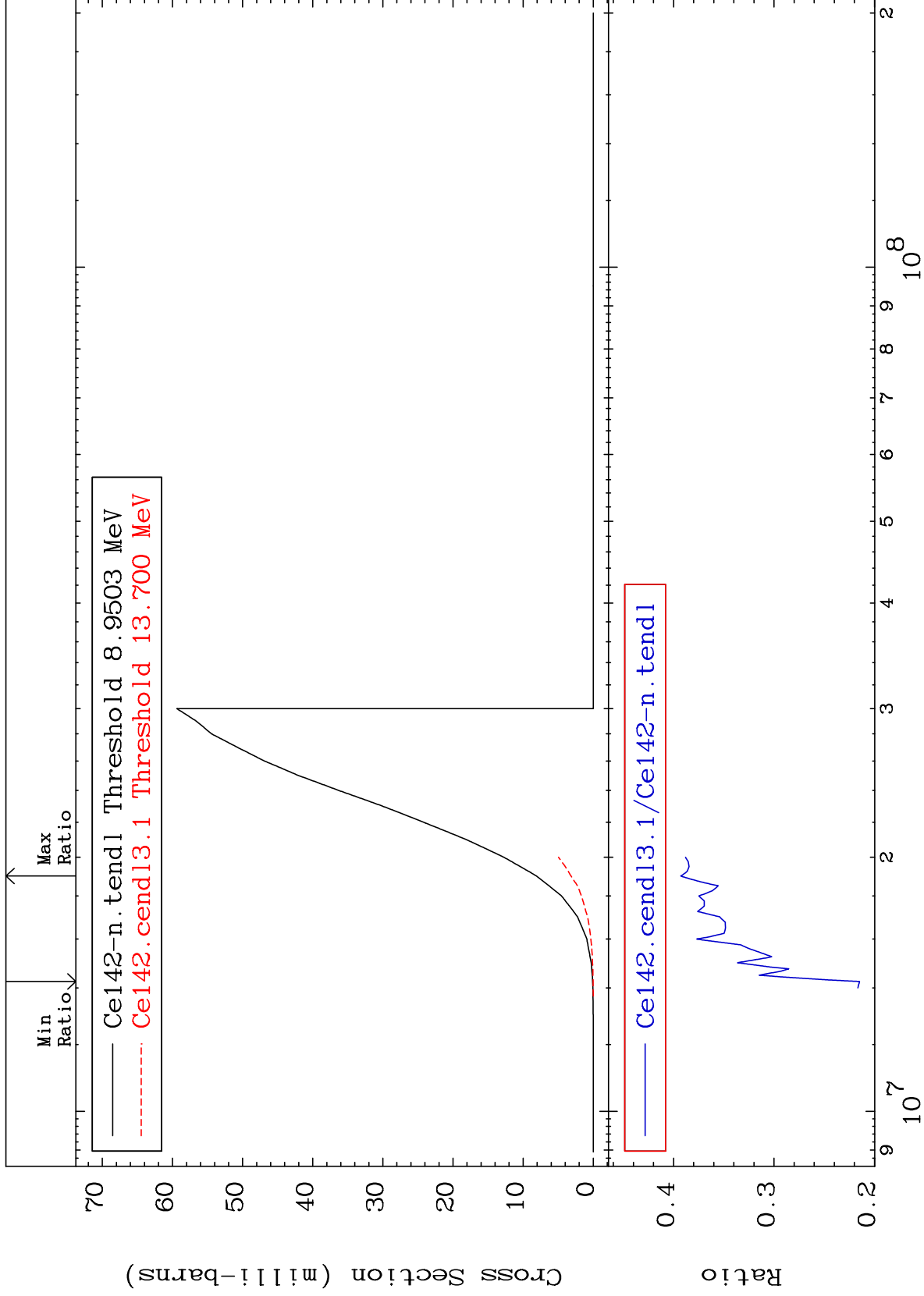
Incident Energy (eV)

6

MAT 5843

(n,n') p
Cross Section

58-Ce-142
-78.51 To -60.71%



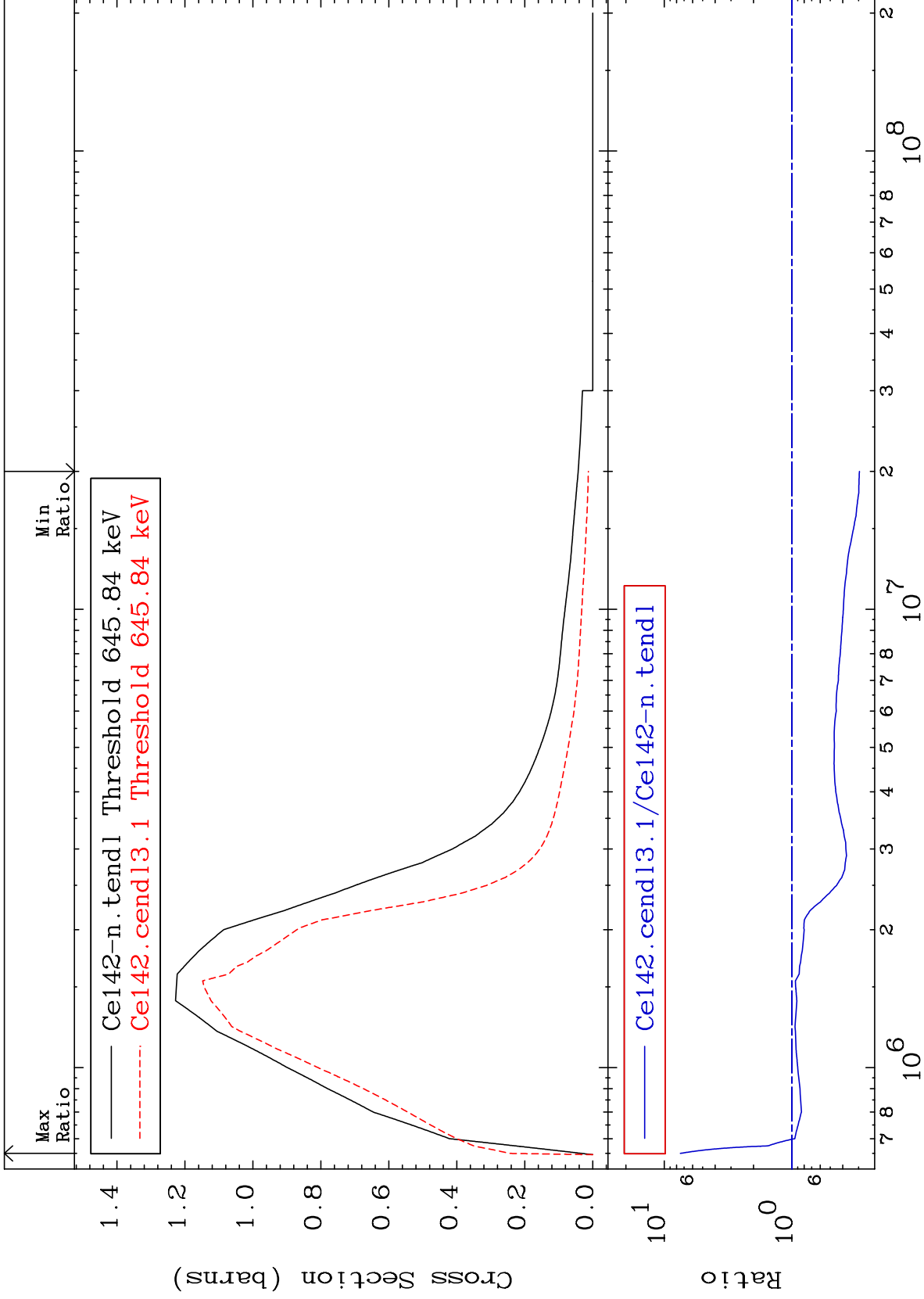
Incident Energy (eV)

58-Ce-142

MAT 5843

641.3 keV (n,n') Level
Cross Section

58-Ce-142
-70.44 To 648.1 %



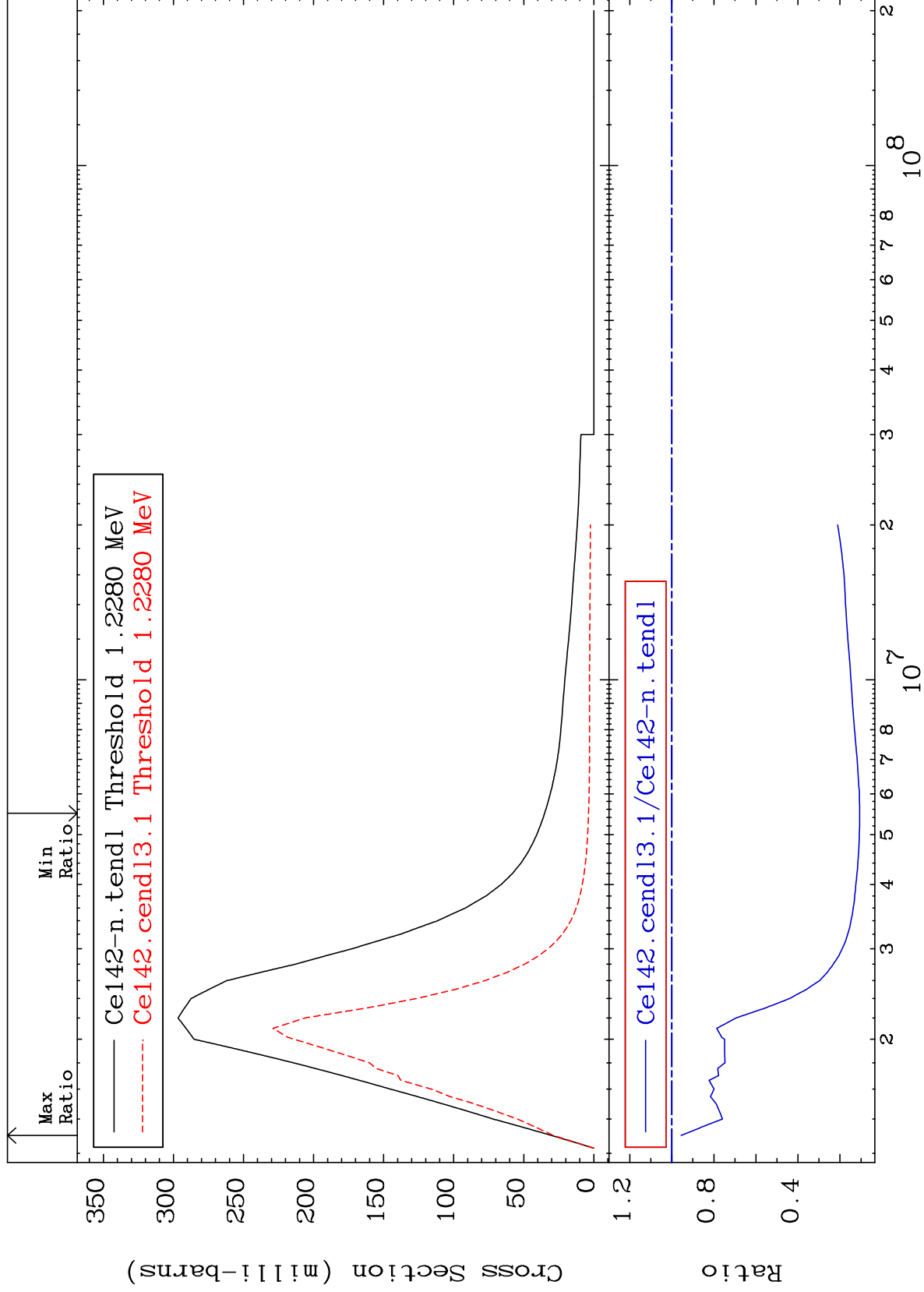
8

58-Ce-142

MAT 5843

1.219 MeV (n,n') Level
Cross Section

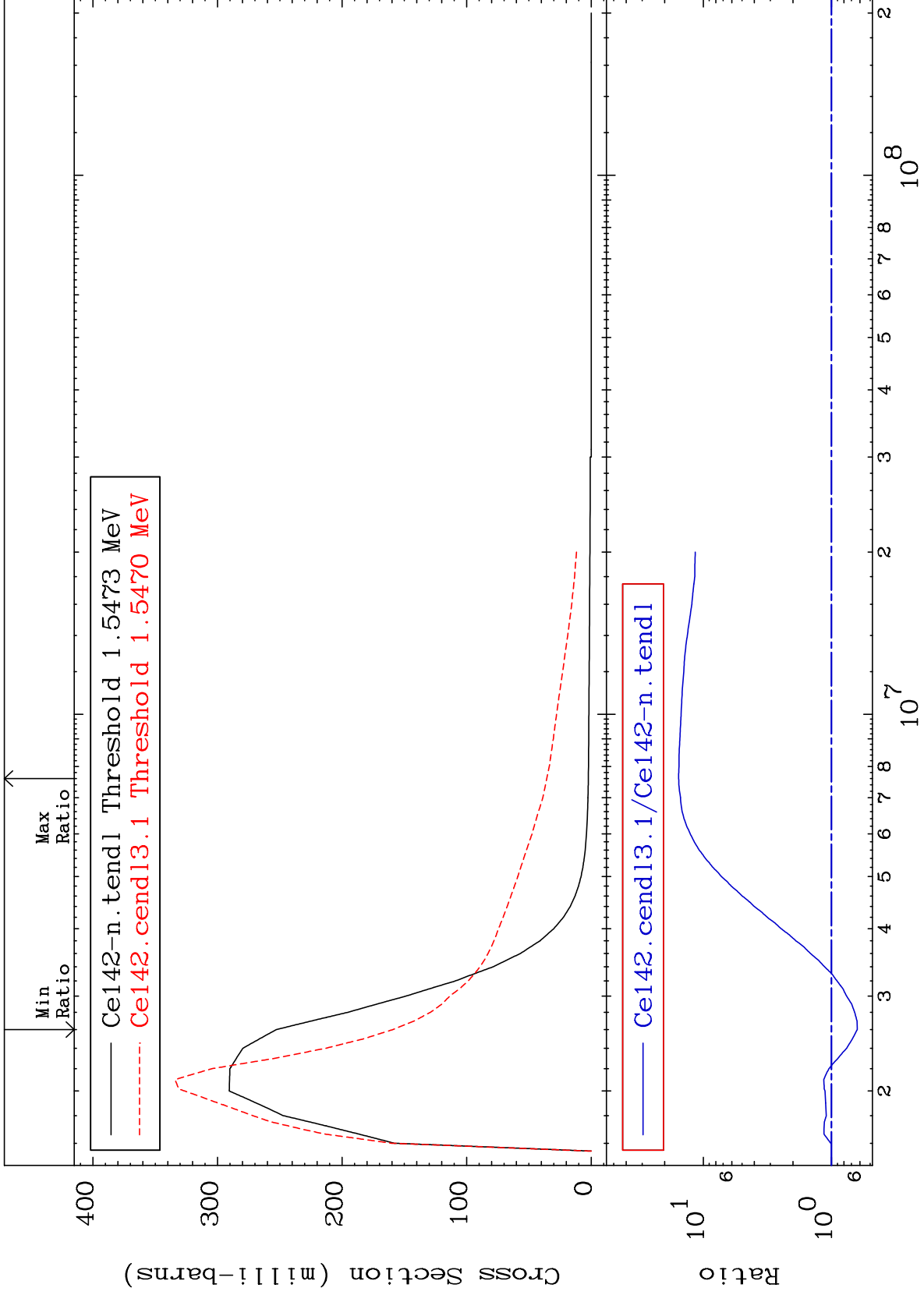
58-Ce-142
-89.36 To -4.442%



MAT 5843

1.536 MeV (n,n') Level
Cross Section

58-Ce-142
-36.97 To 1459. %



10

Incident Energy (eV)

58-Ce-142

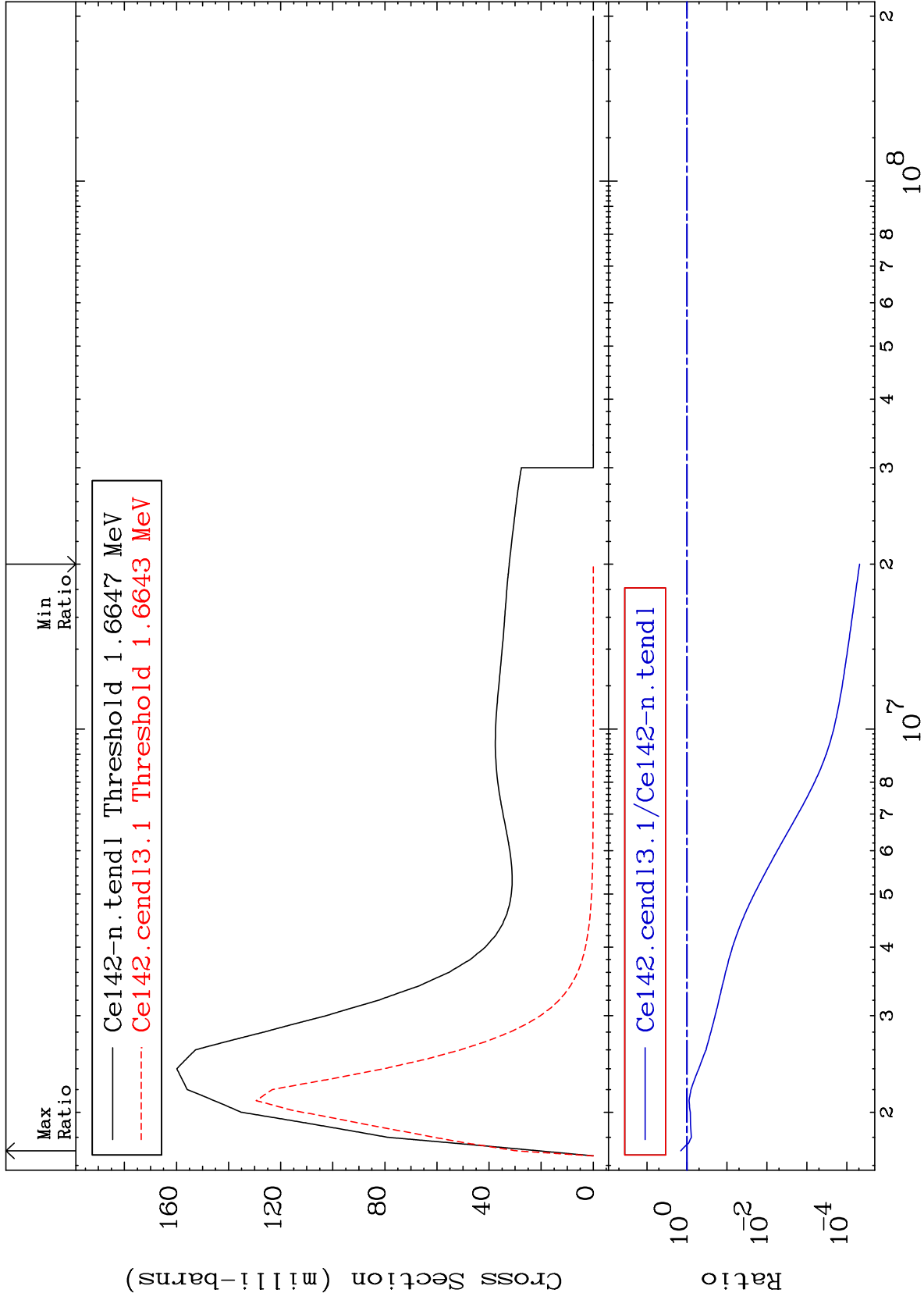
MAT 5843

1.653 MeV (n,n') Level

58-Ce-142

-100.0 To 42.55 %

Cross Section



11

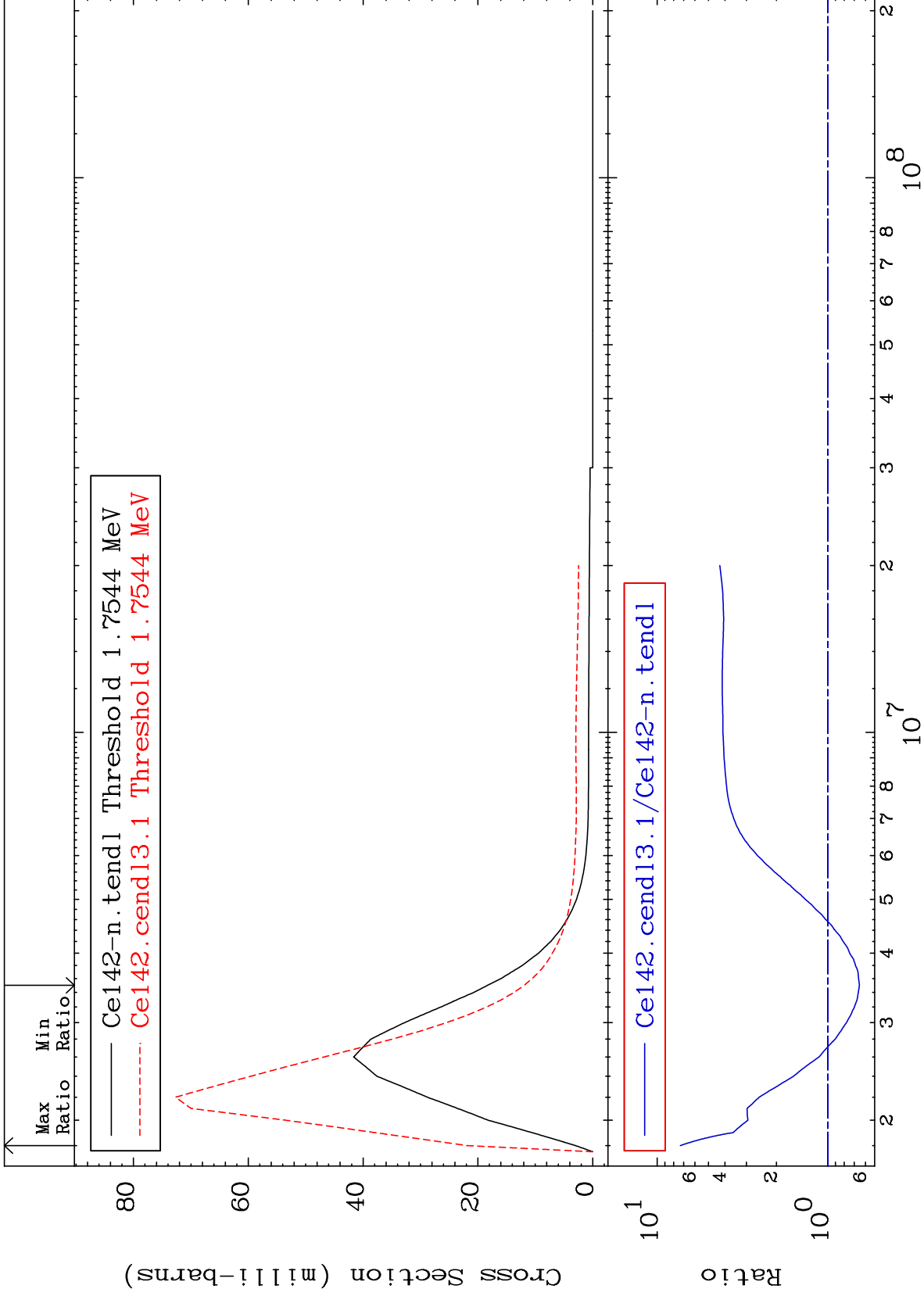
Incident Energy (eV)

58-Ce-142

MAT 5843

1.742 MeV (n,n') Level
Cross Section

58-Ce-142
-34.83 To 630.8 %



12

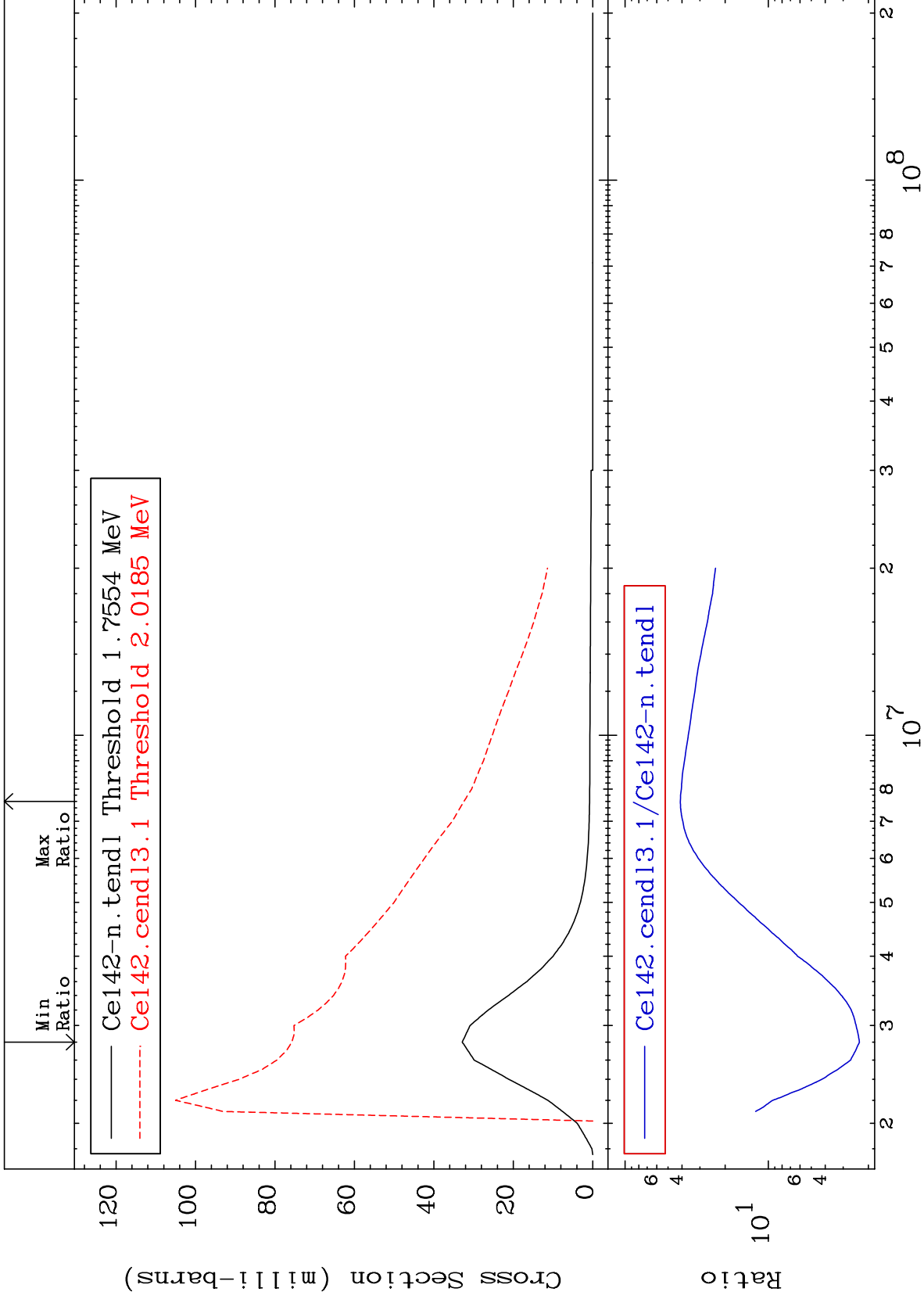
Incident Energy (eV)

58-Ce-142

MAT 5843

1.743 MeV (n,n') Level
Cross Section

58-Ce-142
130.7 To 4006. %



13

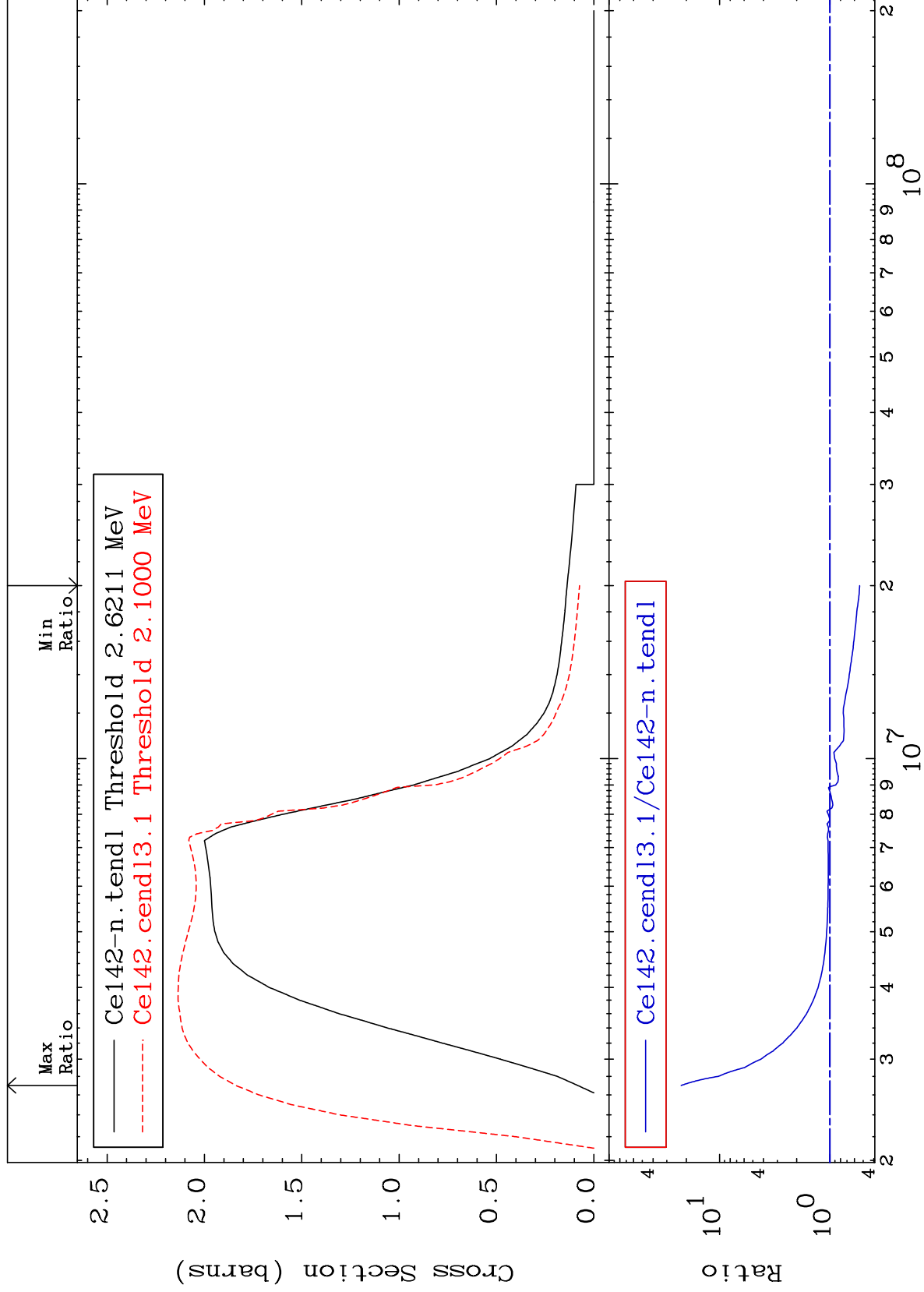
Incident Energy (eV)

58-Ce-142

MAT 5843

(n, n') Continuum
Cross Section

58-Ce-142
-46.20 To 2125. %



14

Incident Energy (eV)

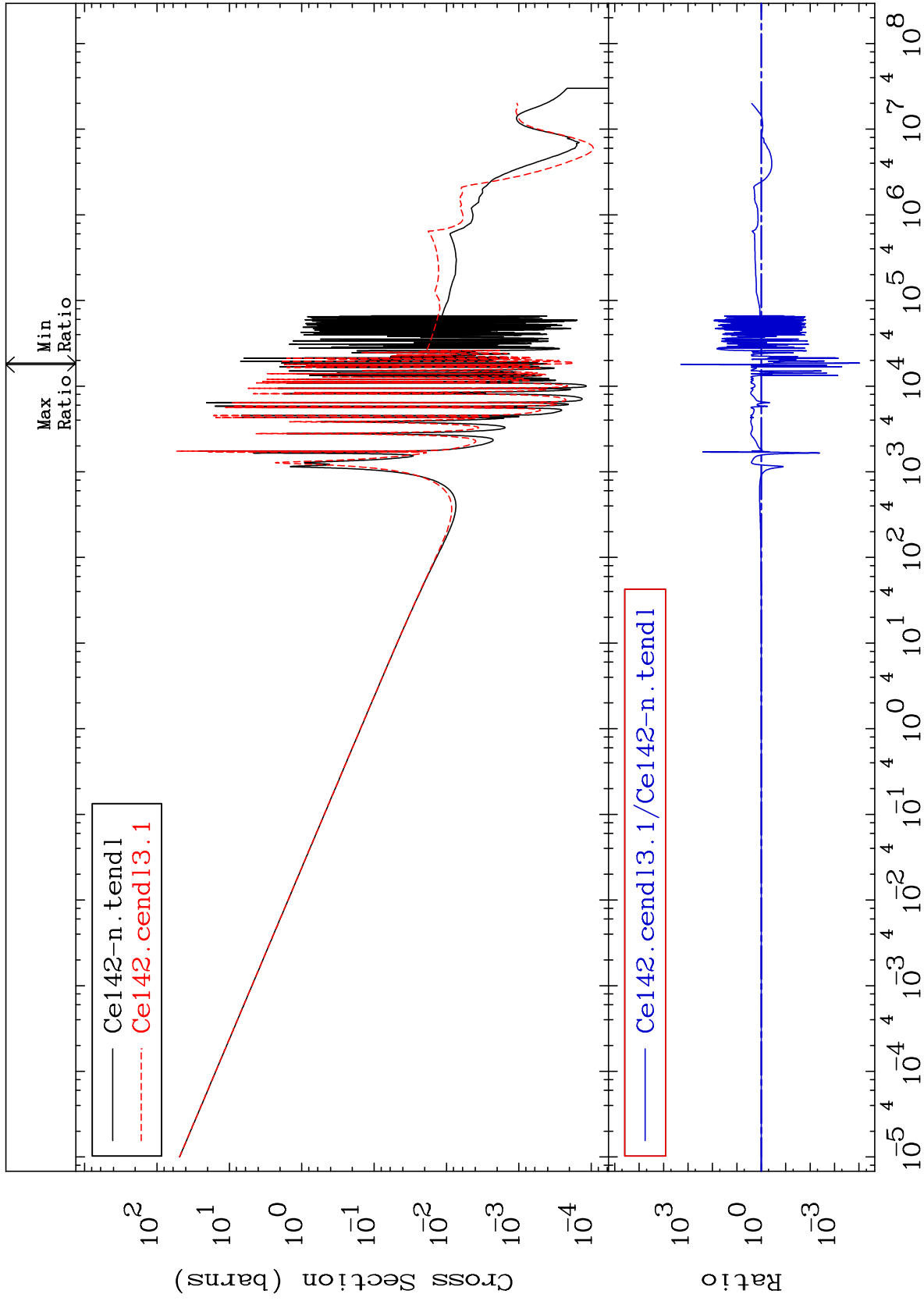
58-Ce-142

MAT 5843

(n, γ)
Cross Section

58-Ce-142

-99.99 To 9999. %



15

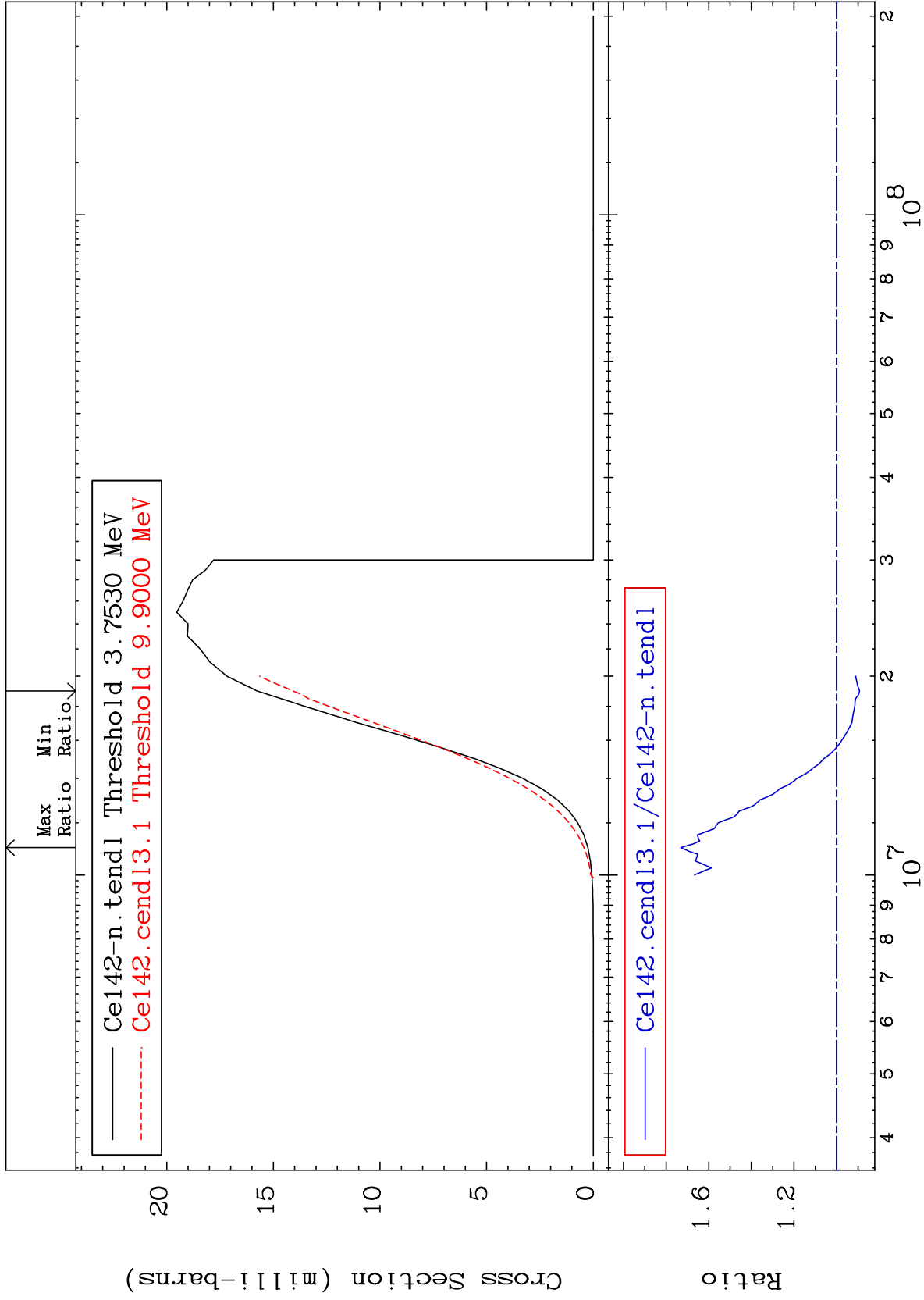
Incident Energy (eV)

58-Ce-142

MAT 5843

58-Ce-142

(n,p)
Cross Section
-10.70 To 73.11 %



16

58-Ce-142

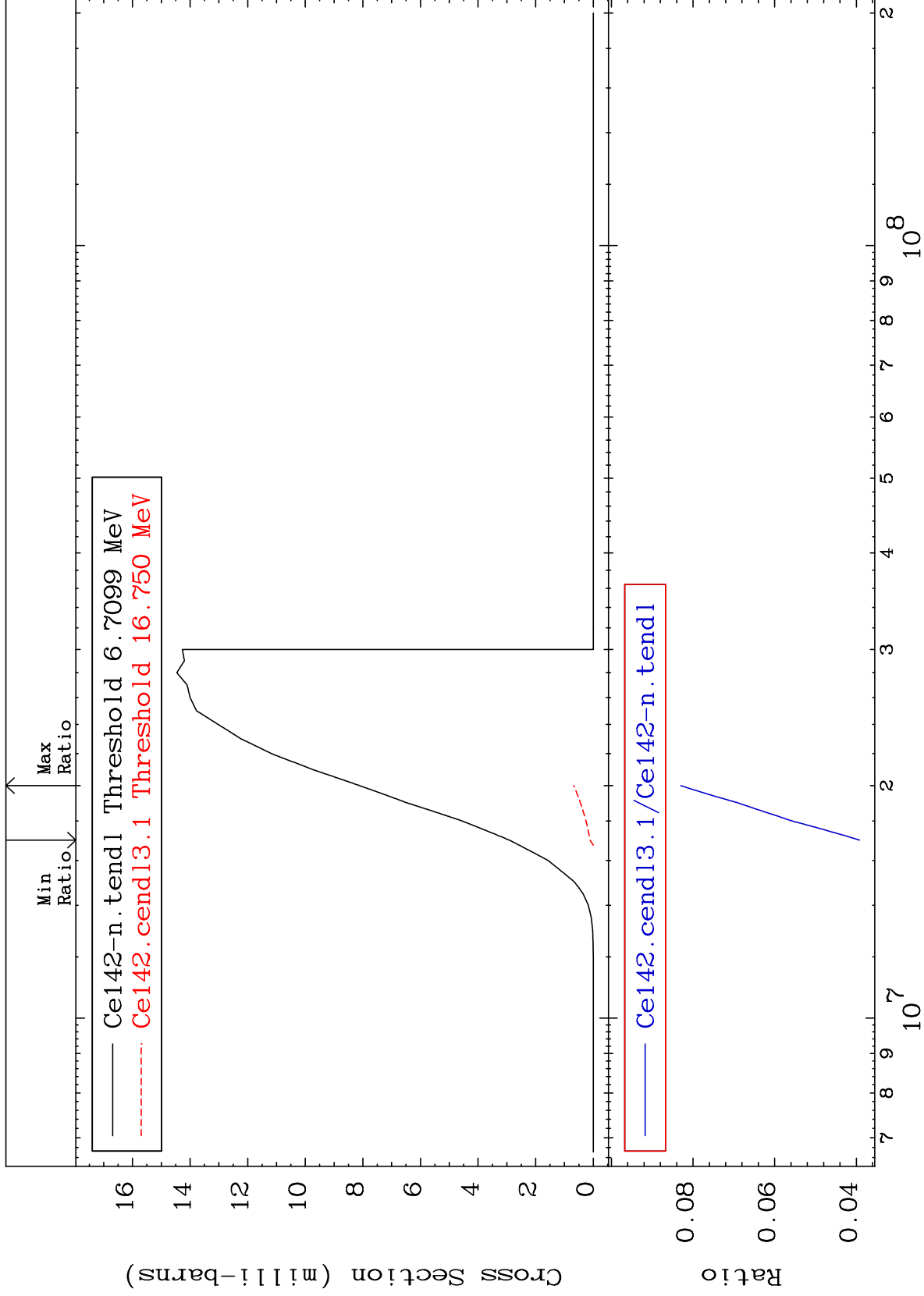
MAT 5843

(n, d)

58-Ce-142

Cross Section

-96.08 To -91.70%



17

Incident Energy (eV)

58-Ce-142

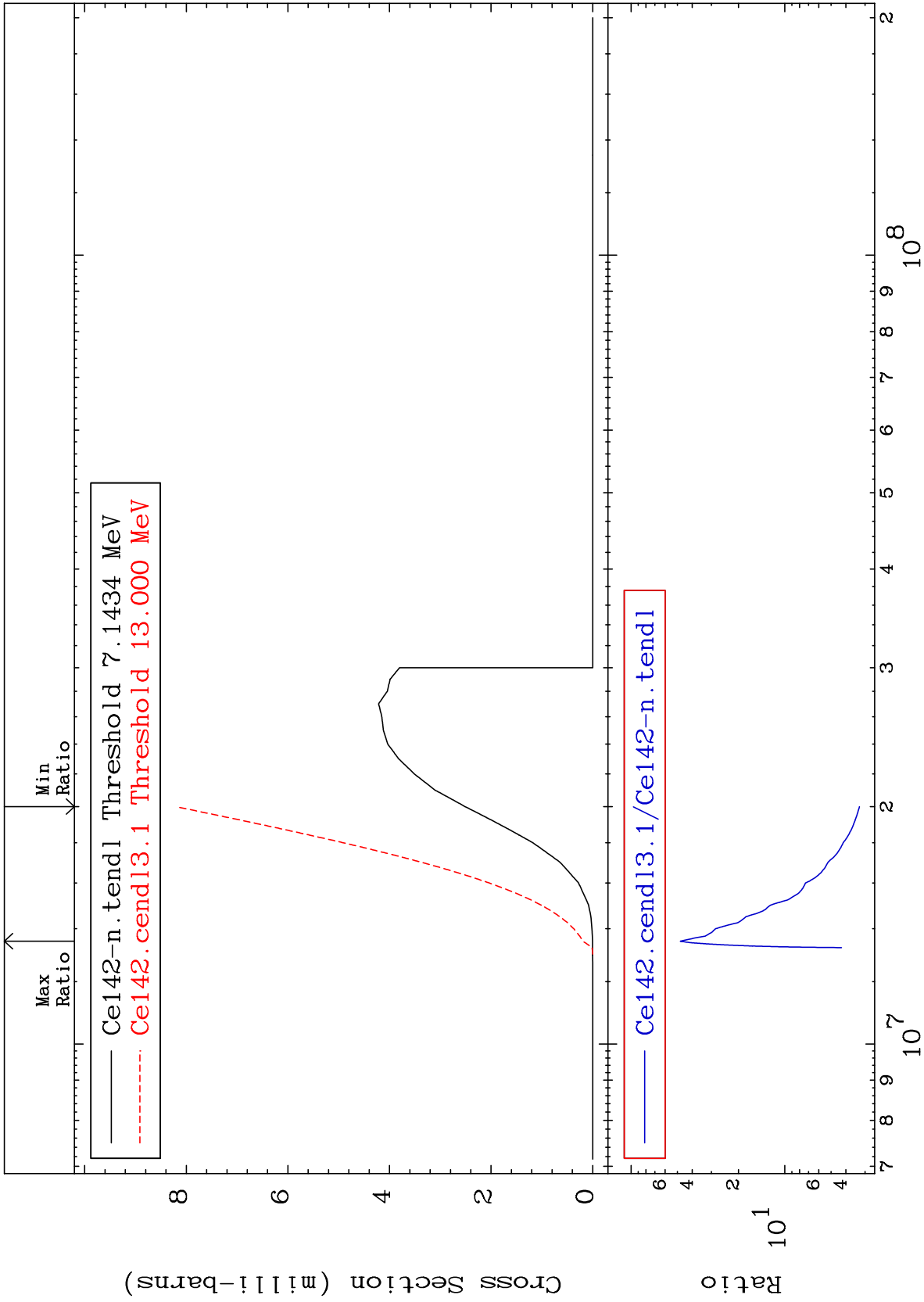
MAT 5843

(n, t)

58-Ce-142

Cross Section

226.7 To 4679. %



18

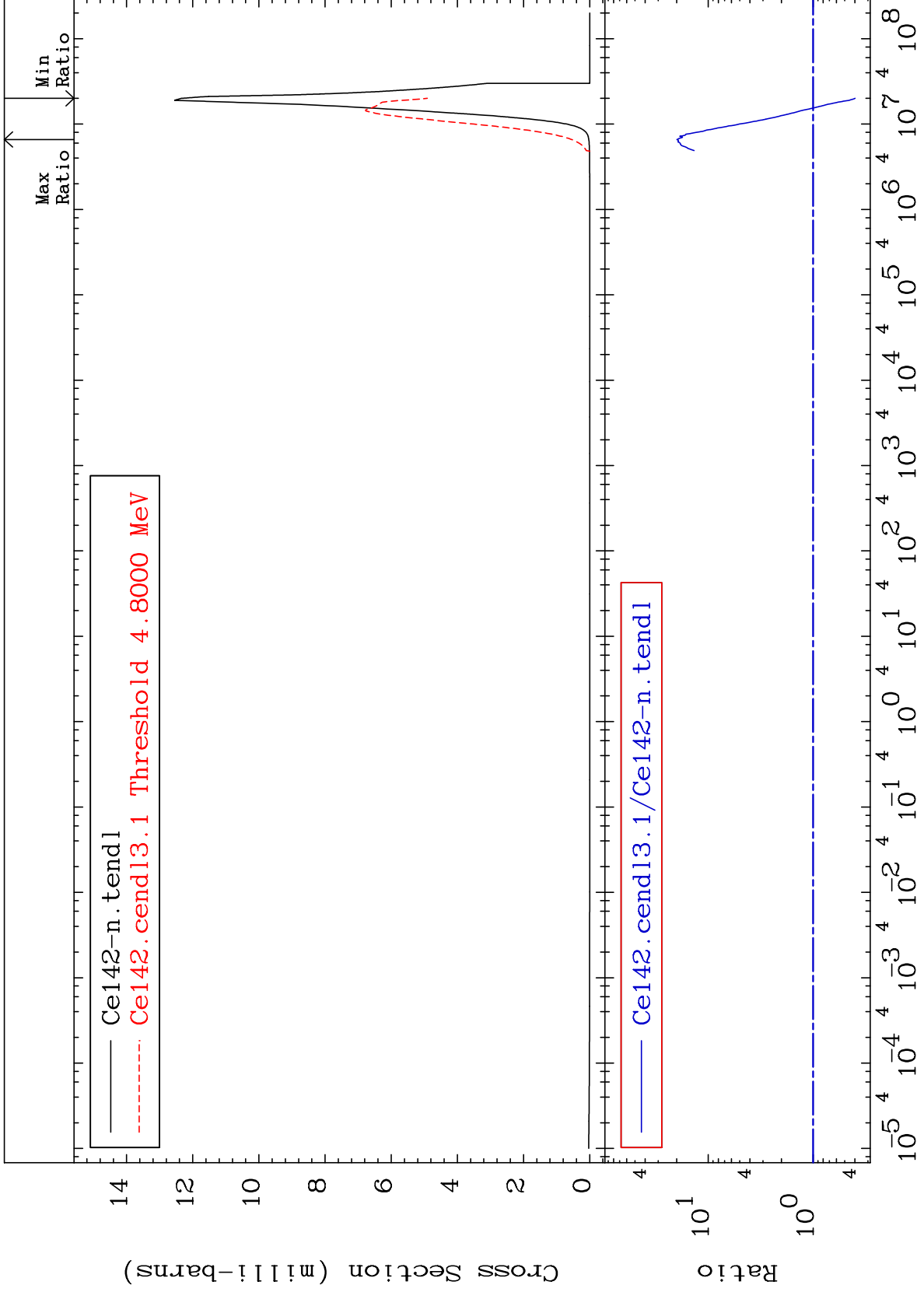
58-Ce-142

58-Ce-142

MAT 5843

(n, α)
Cross Section

58-Ce-142
-60.27 To 1891. %



19

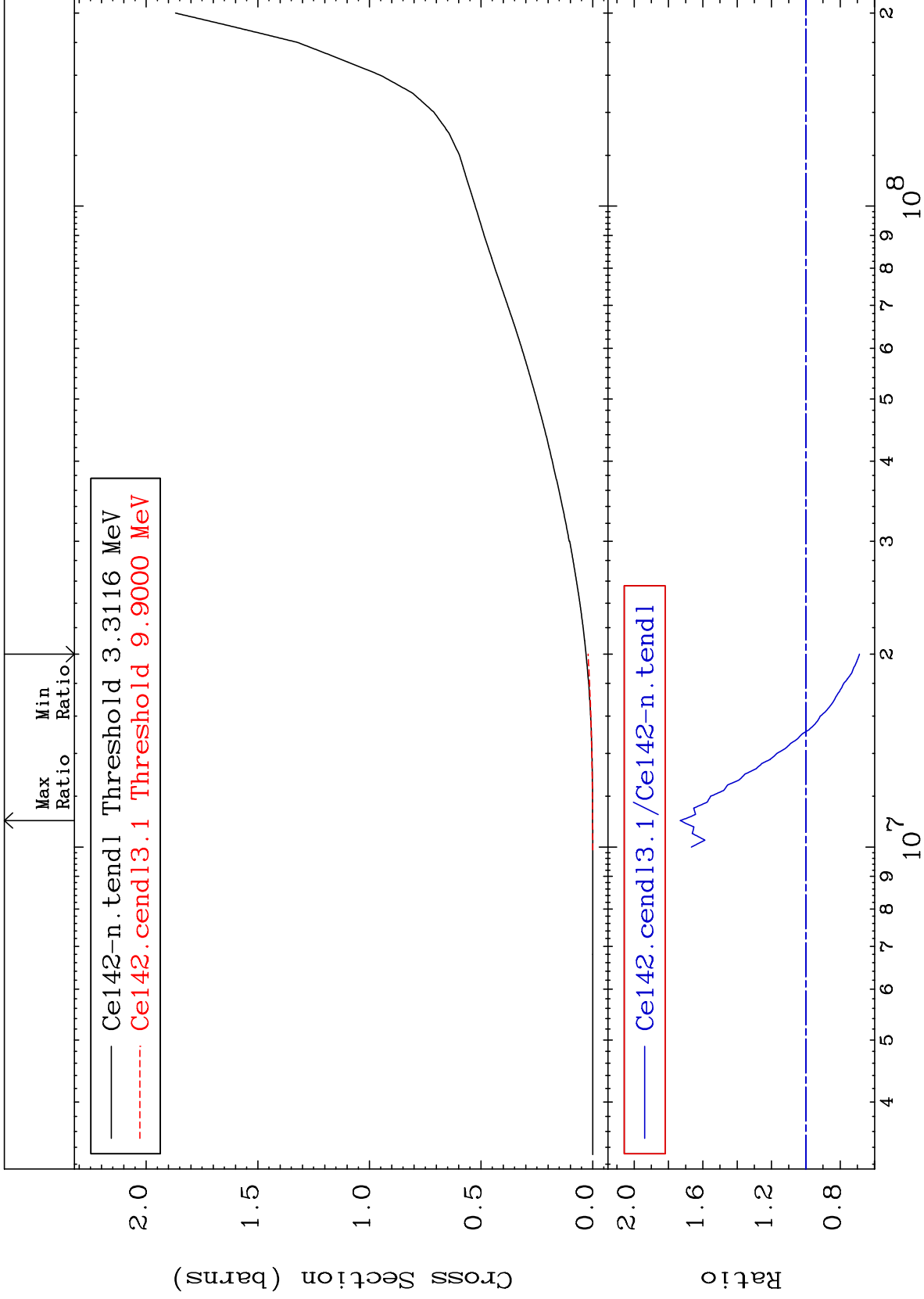
Incident Energy (eV)

58-Ce-142

MAT 5843

Hydrogen Production
Cross Section

58-Ce-142
-31.20 To 73.11 %



20

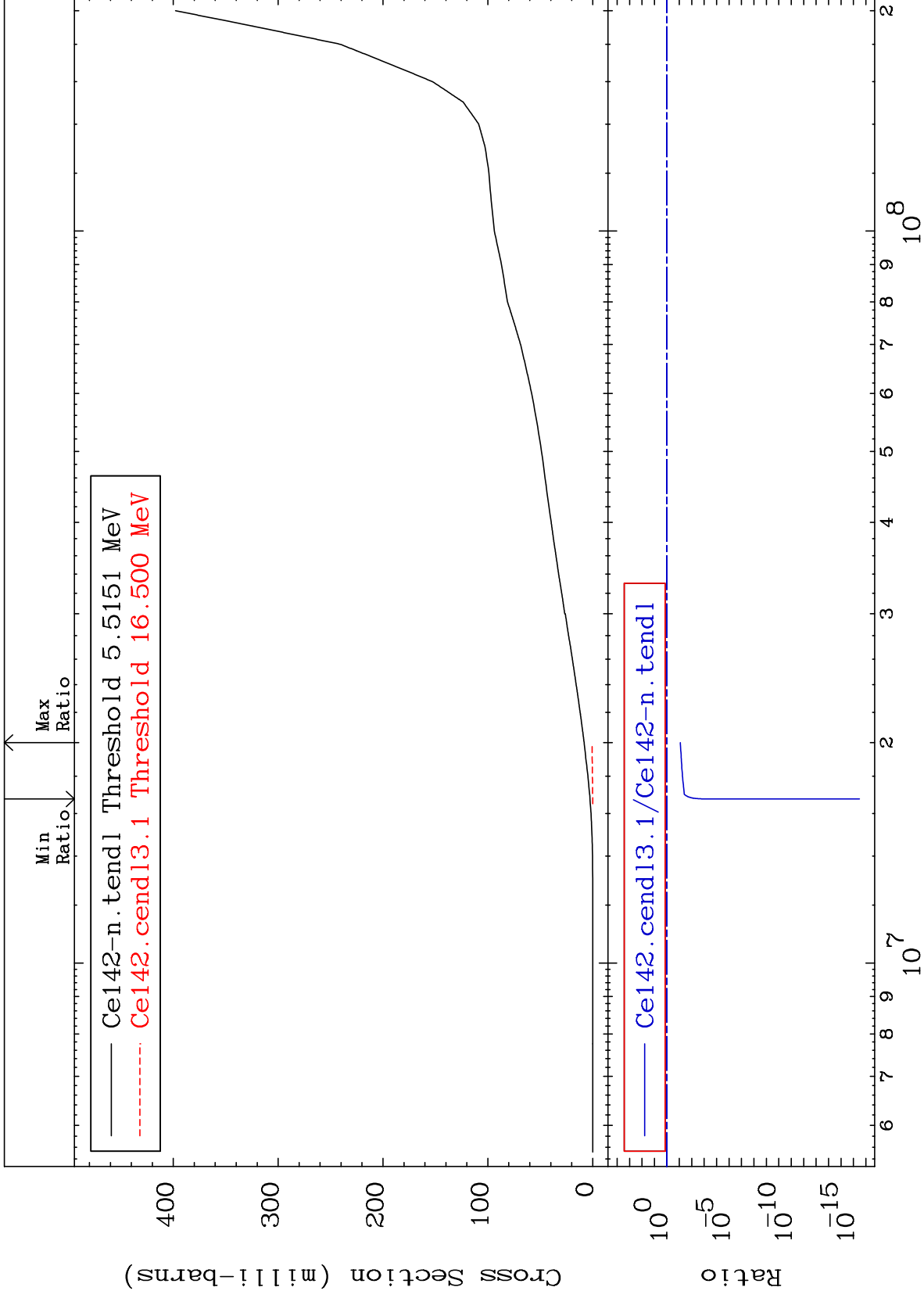
Incident Energy (eV)

58-Ce-142

MAT 5843

Deuterium Production
Cross Section

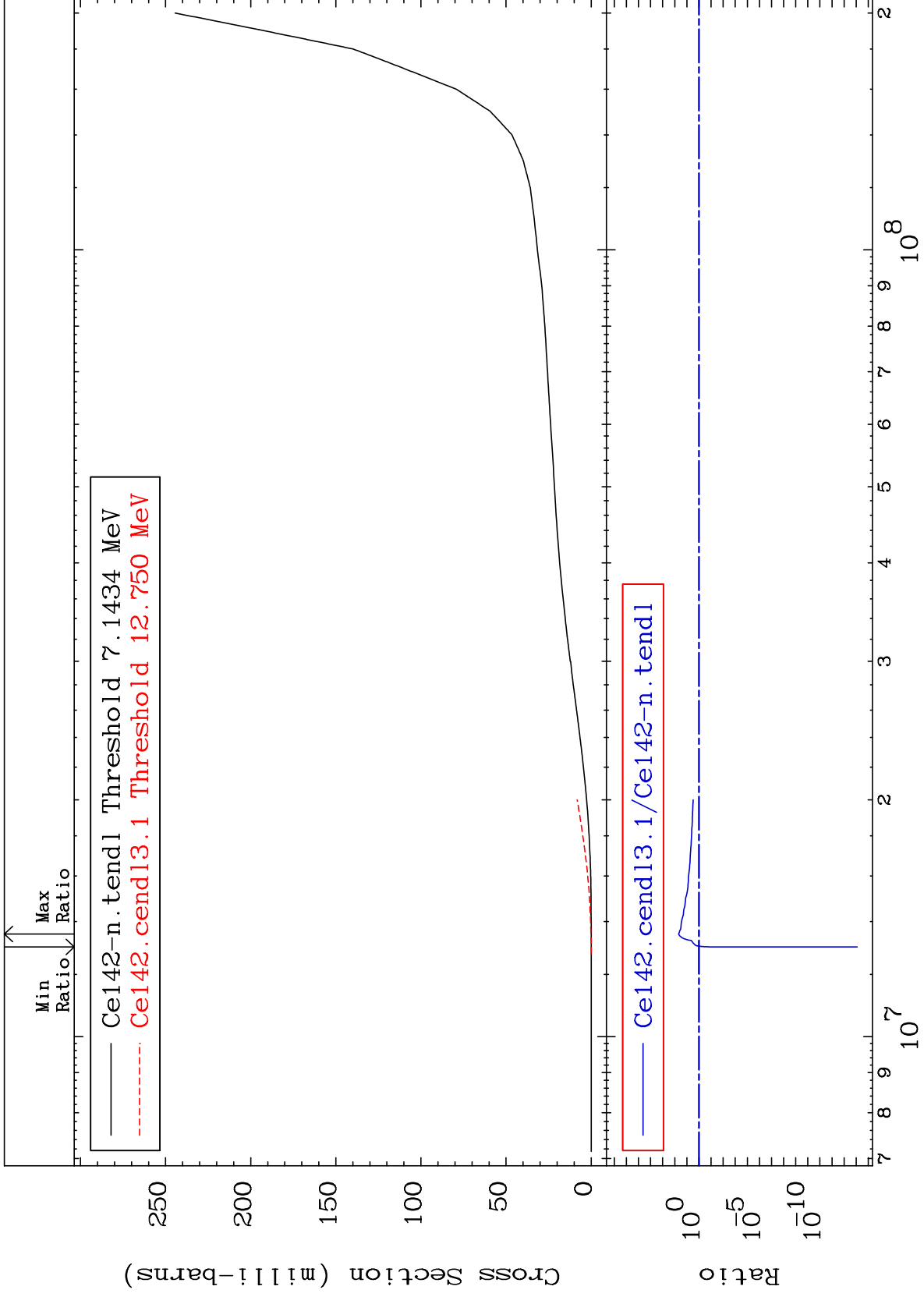
58-Ce-142
-100.0 To -91.78%



MAT 5843

Tritium Production
Cross Section

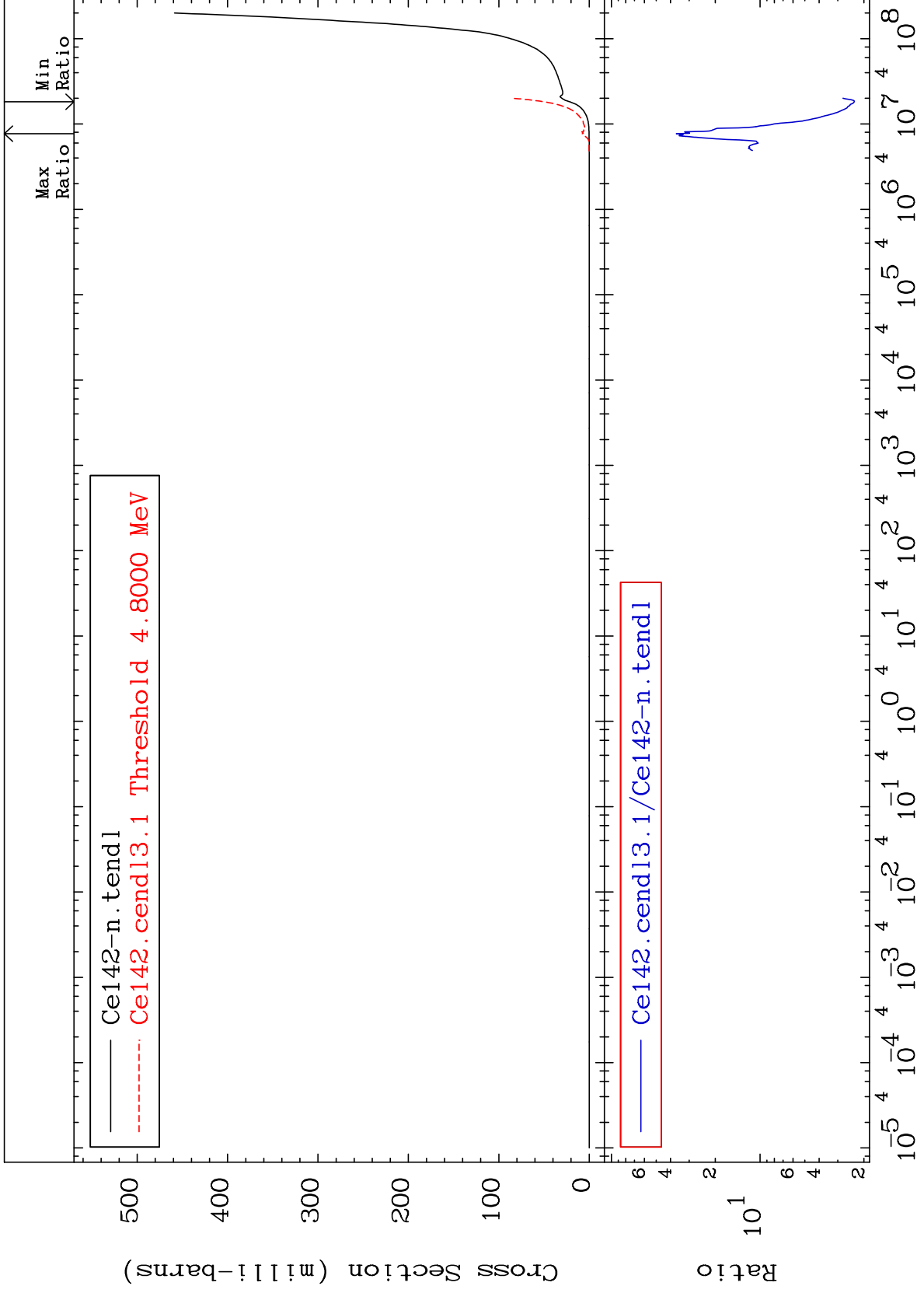
58-Ce-142
-100.0 To 4679. %



MAT 5843

He-4 Production
Cross Section

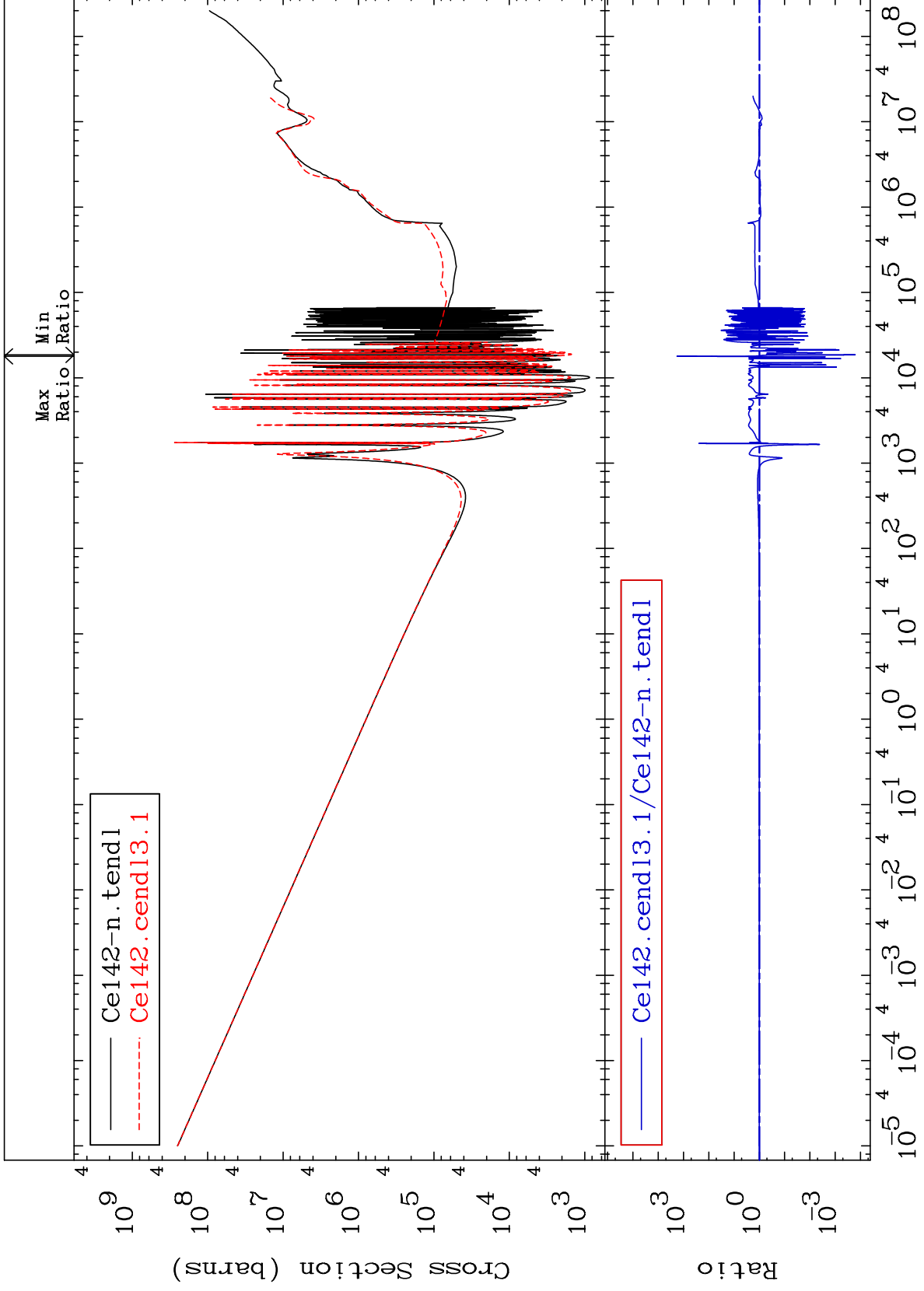
58-Ce-142
132.0 To 3556. %



MAT 5843

Kerma total (eV-barns)
Cross Section

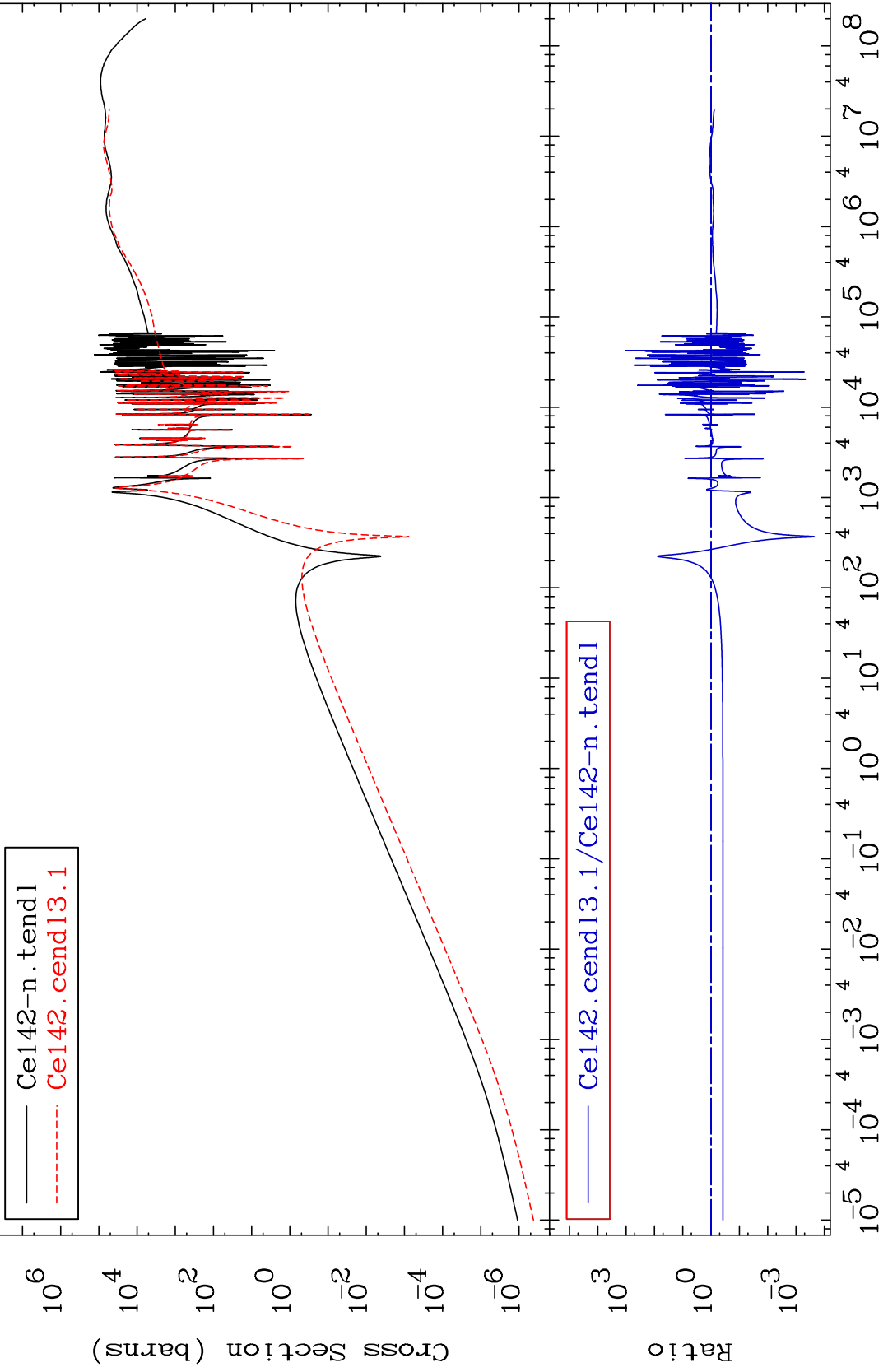
58-Ce-142
-99.98 To 9999. %

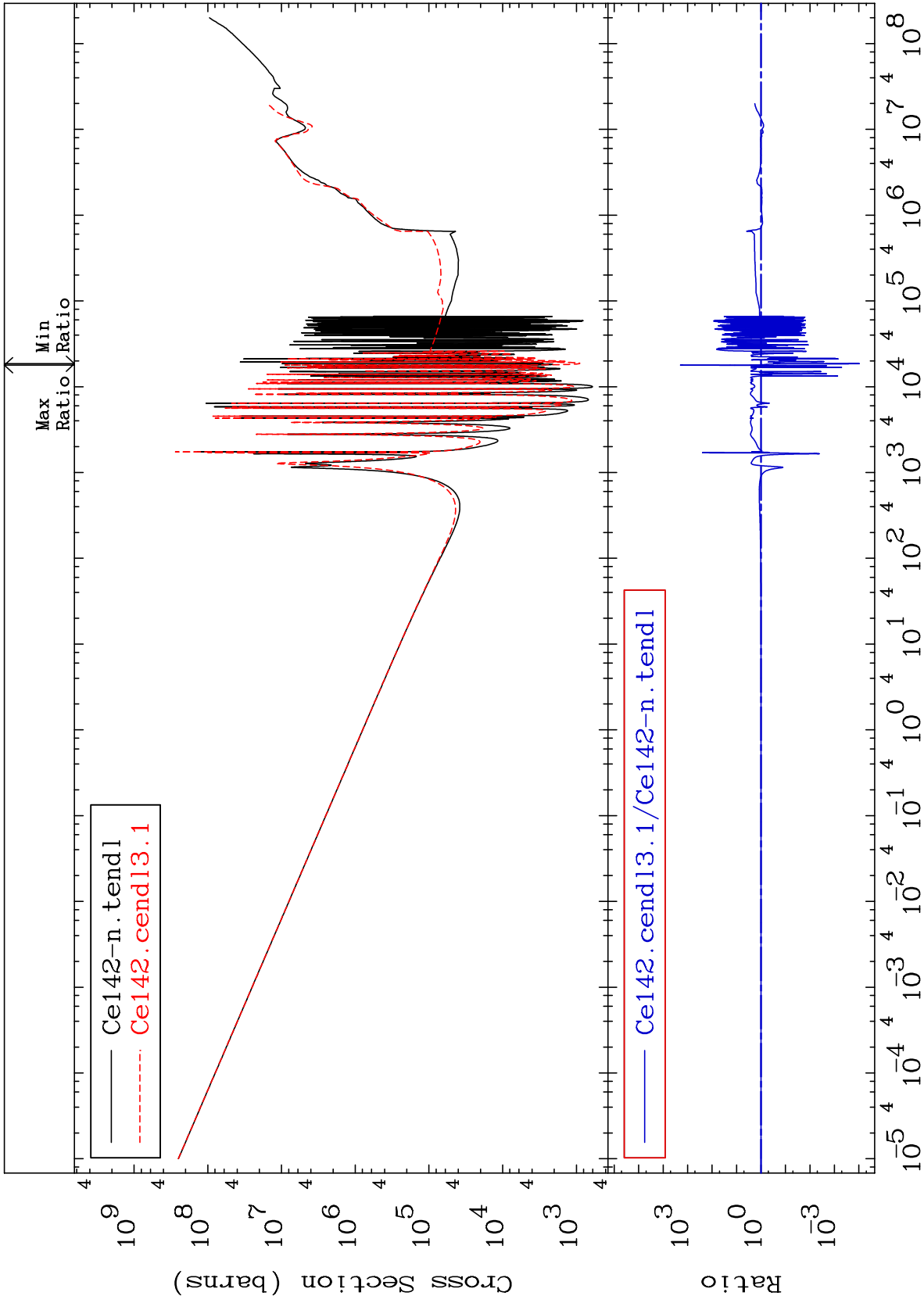


MAT 5843

Kerma elastic
Cross Section

58-Ce-142
-99.98 To 9999. %

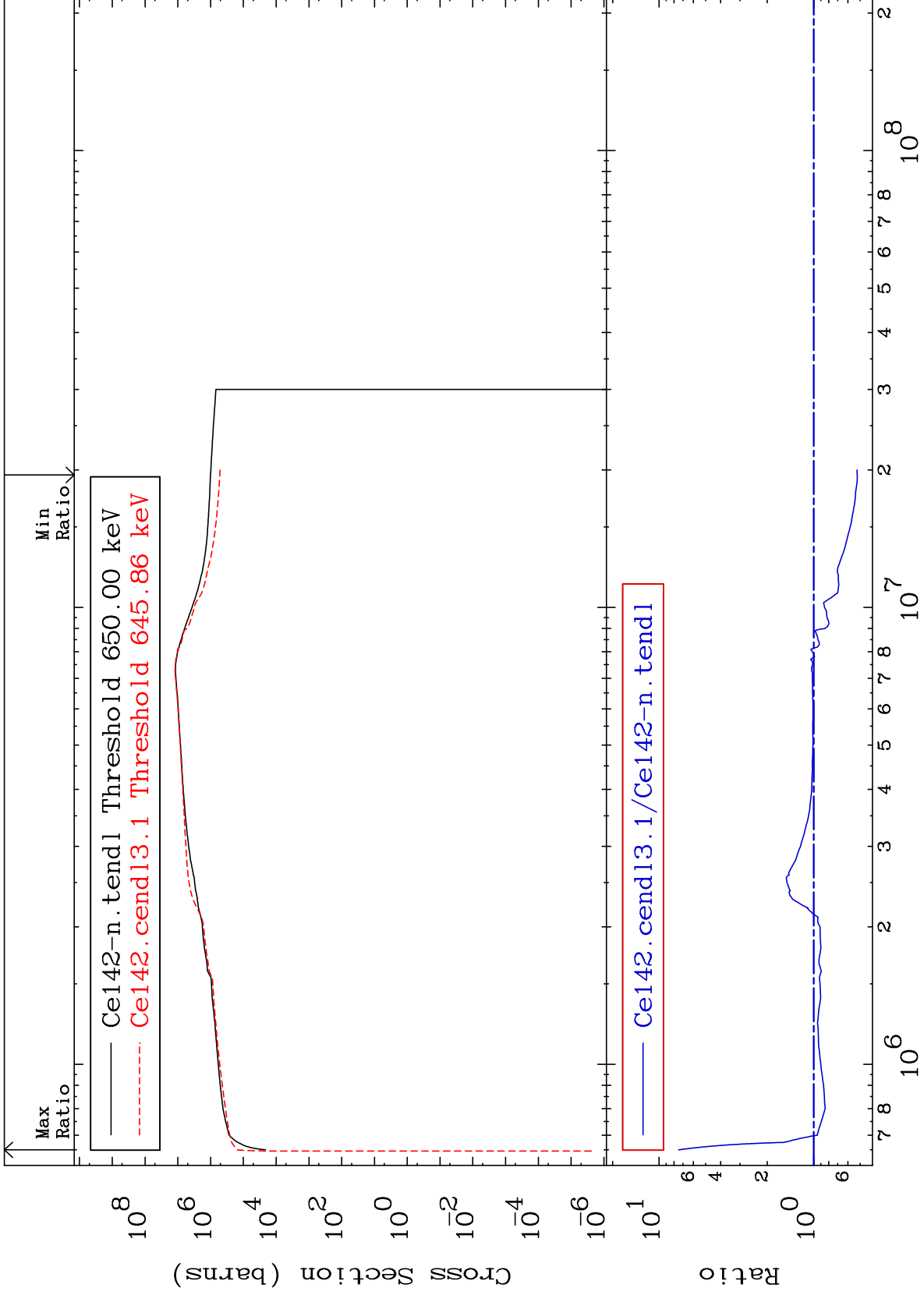




MAT 5843

Kerma inelastic (mt51-91)
Cross Section

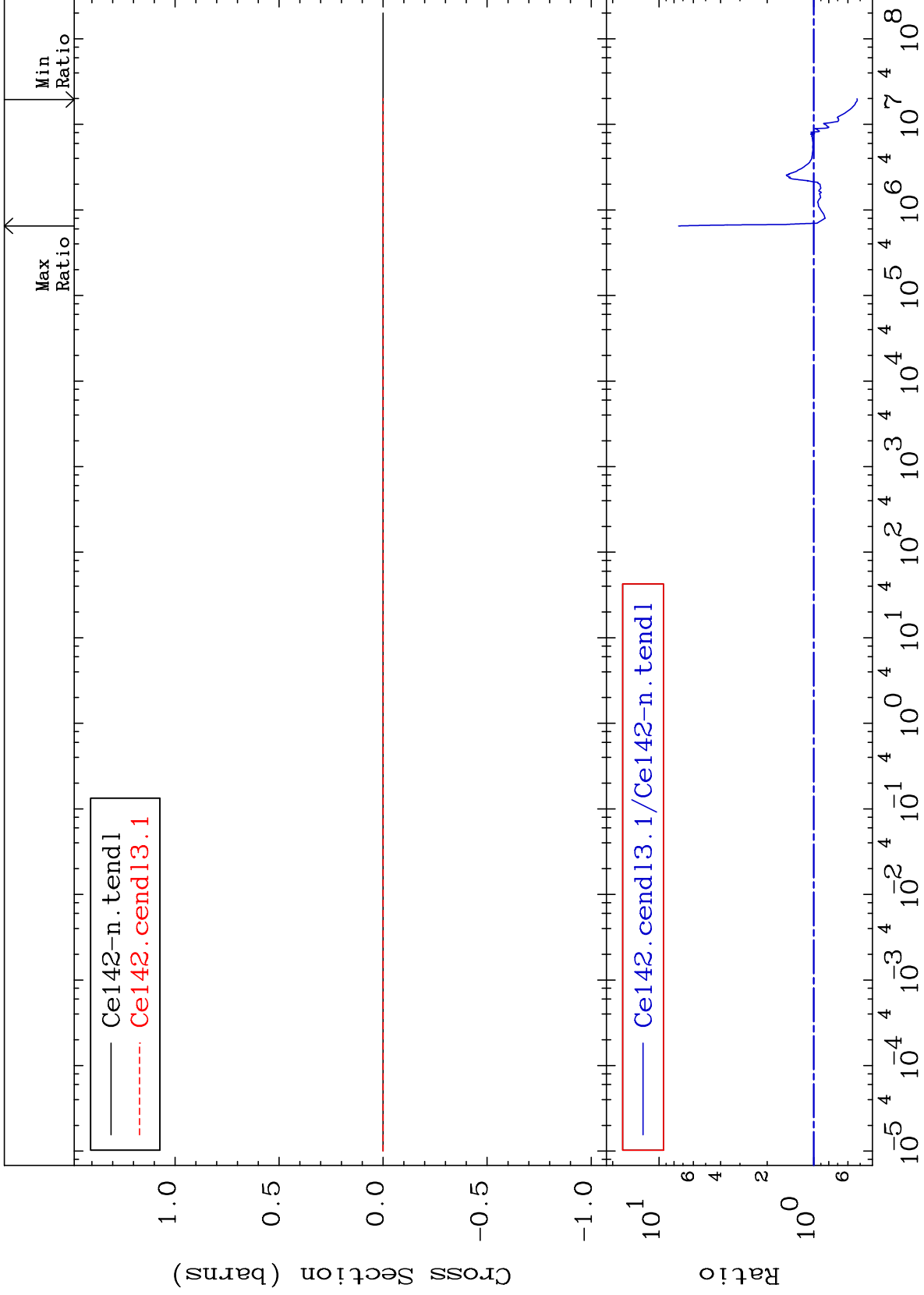
58-Ce-142
-47.75 To 647.7 %



MAT 5843

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

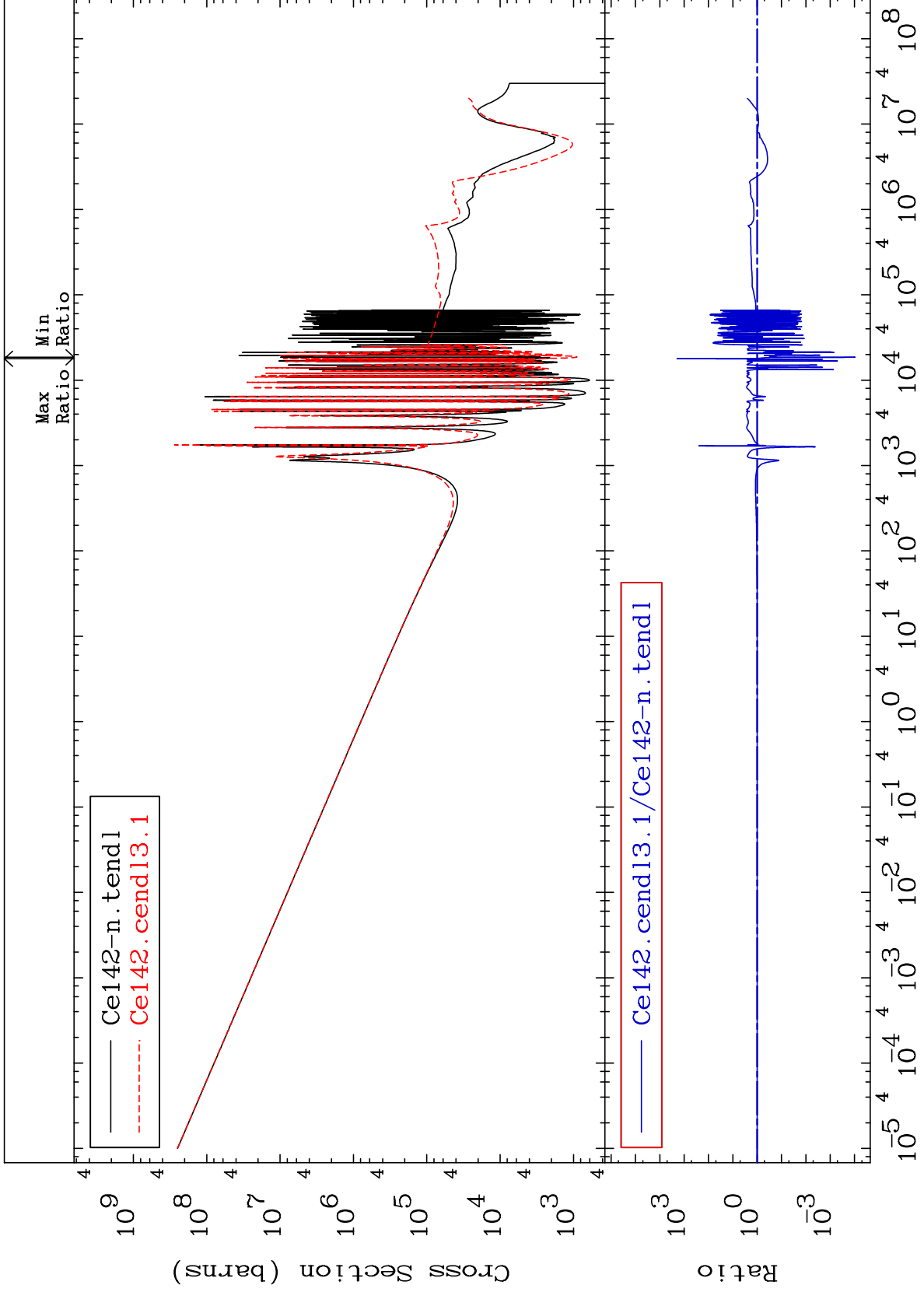
58-Ce-142
-47.75 To 647.7 %



MAT 5843

Kerma capture (mt102)
Cross Section

58-Ce-142
-99.99 To 9999. %



29

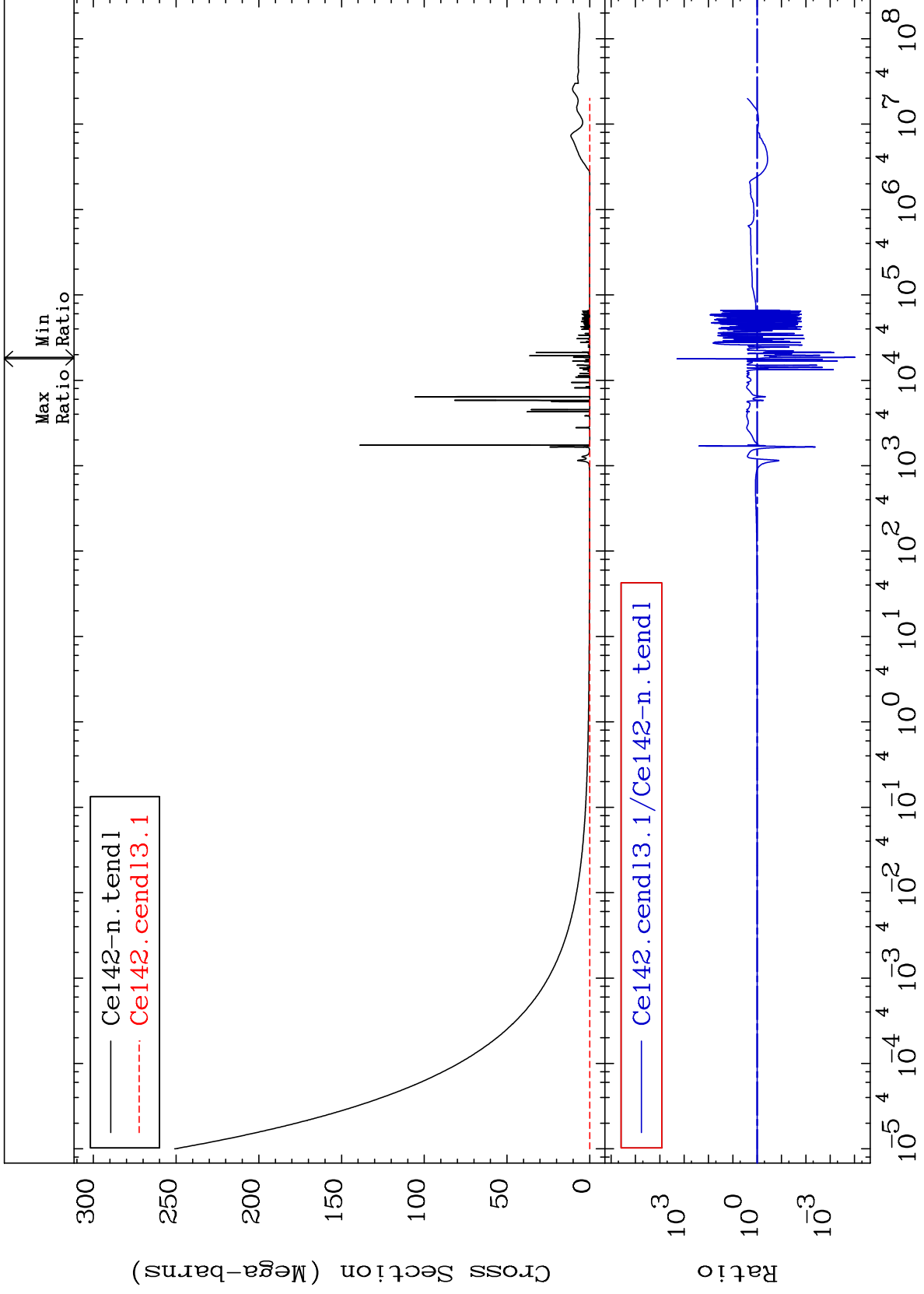
Incident Energy (eV)

58-Ce-142

MAT 5843

Total photon (eV-barns)
Cross Section

58-Ce-142
-99.99 To 9999. %



30

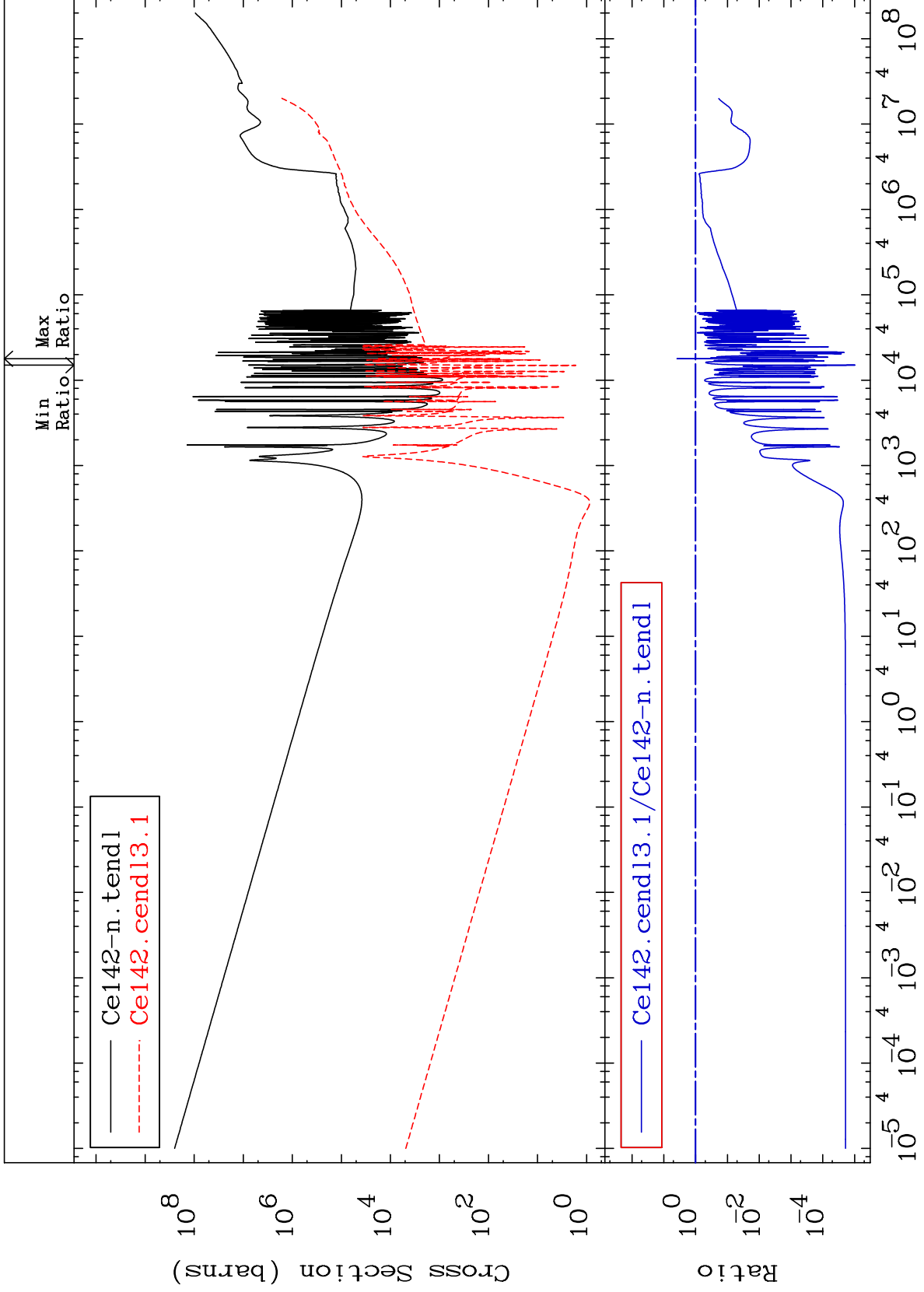
Incident Energy (eV)

58-Ce-142

MAT 5843

Total kinematic kerma (high limit)
Cross Section

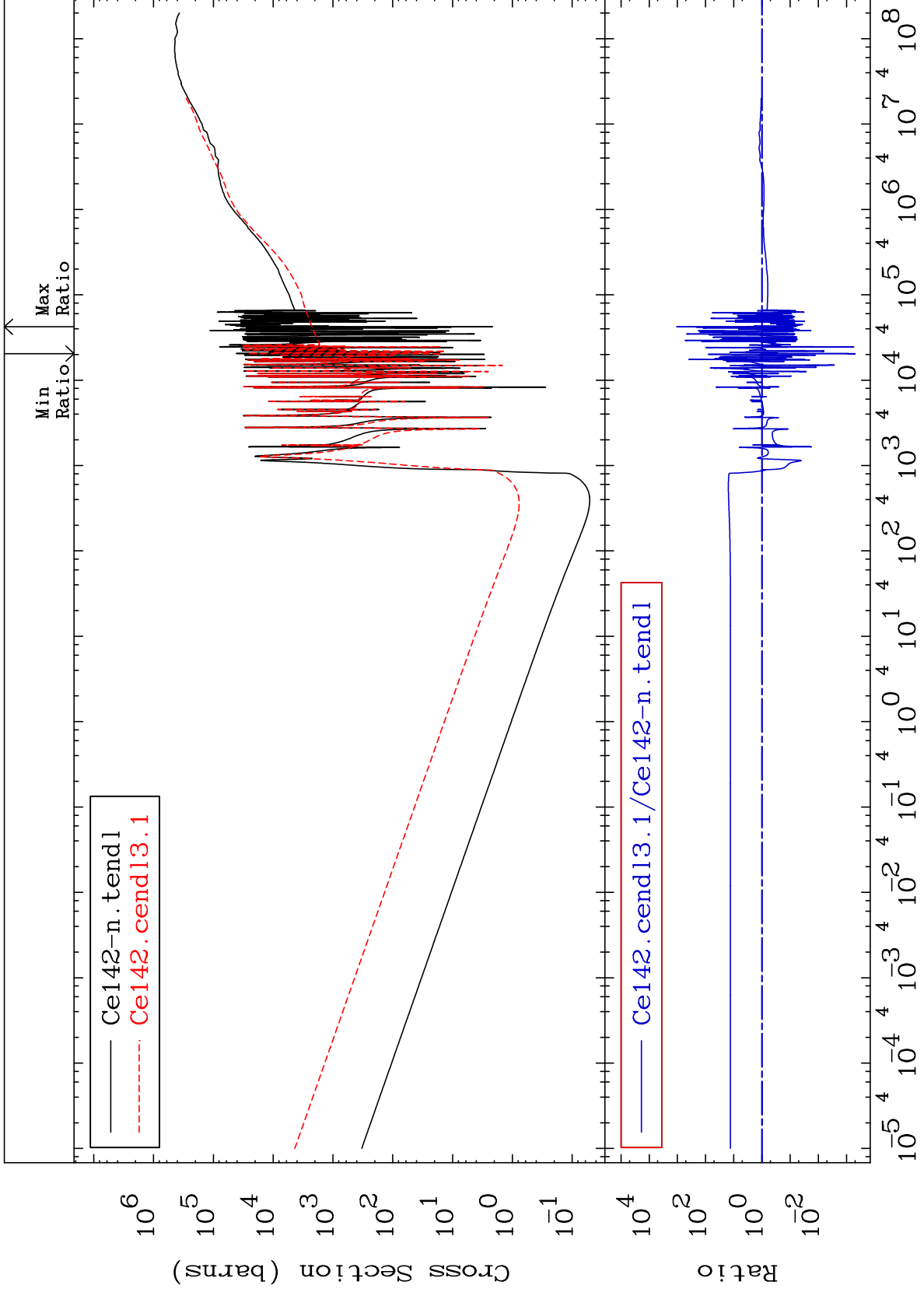
58-Ce-142
-100.0 To 288.1 %



MAT 5843

Dpa total (eV-barns)
Cross Section

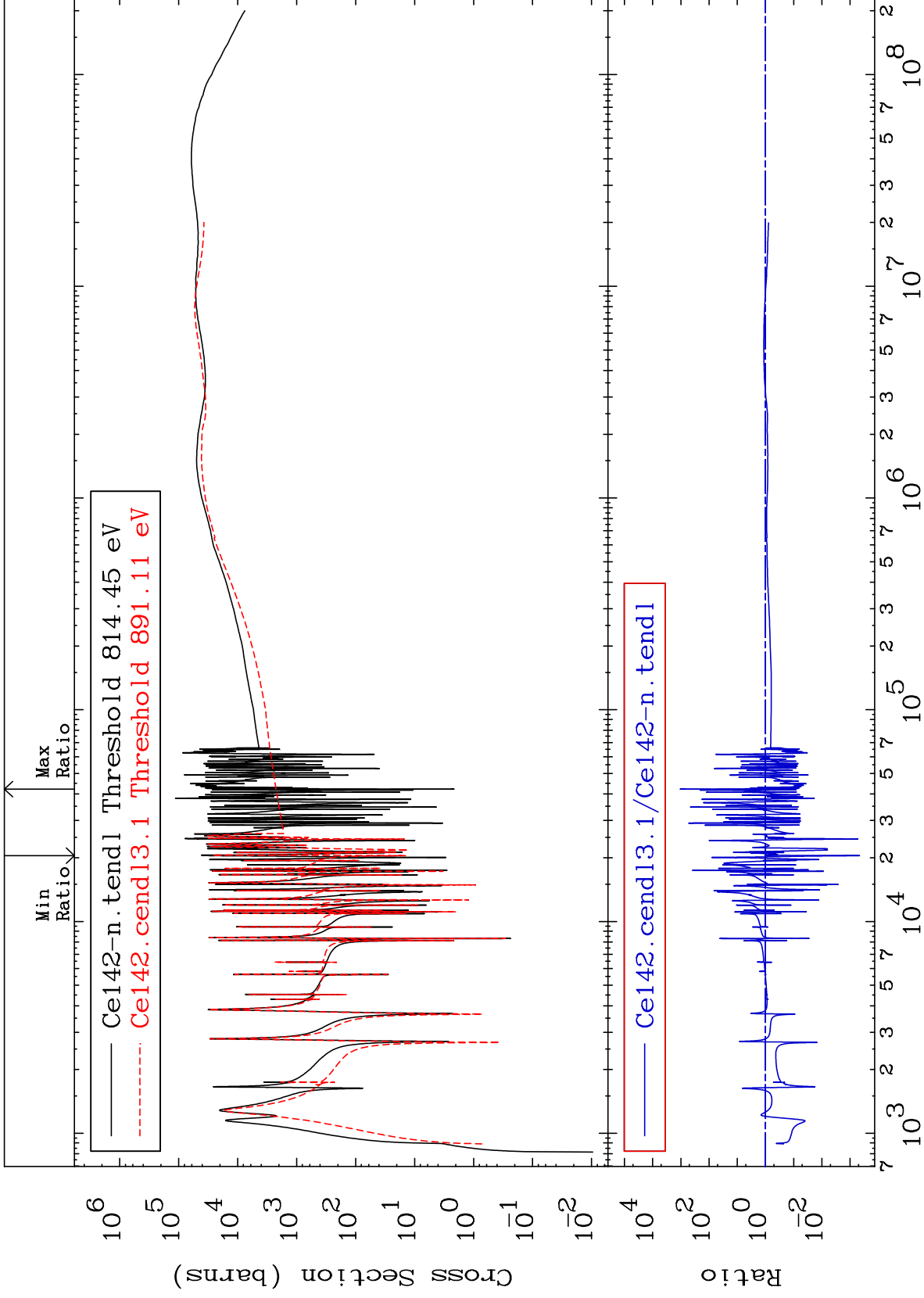
58-Ce-142
-99.95 To 9999. %



MAT 5843

Dpa elastic (mt2)
Cross Section

58-Ce-142
-99.95 To 9999. %



33

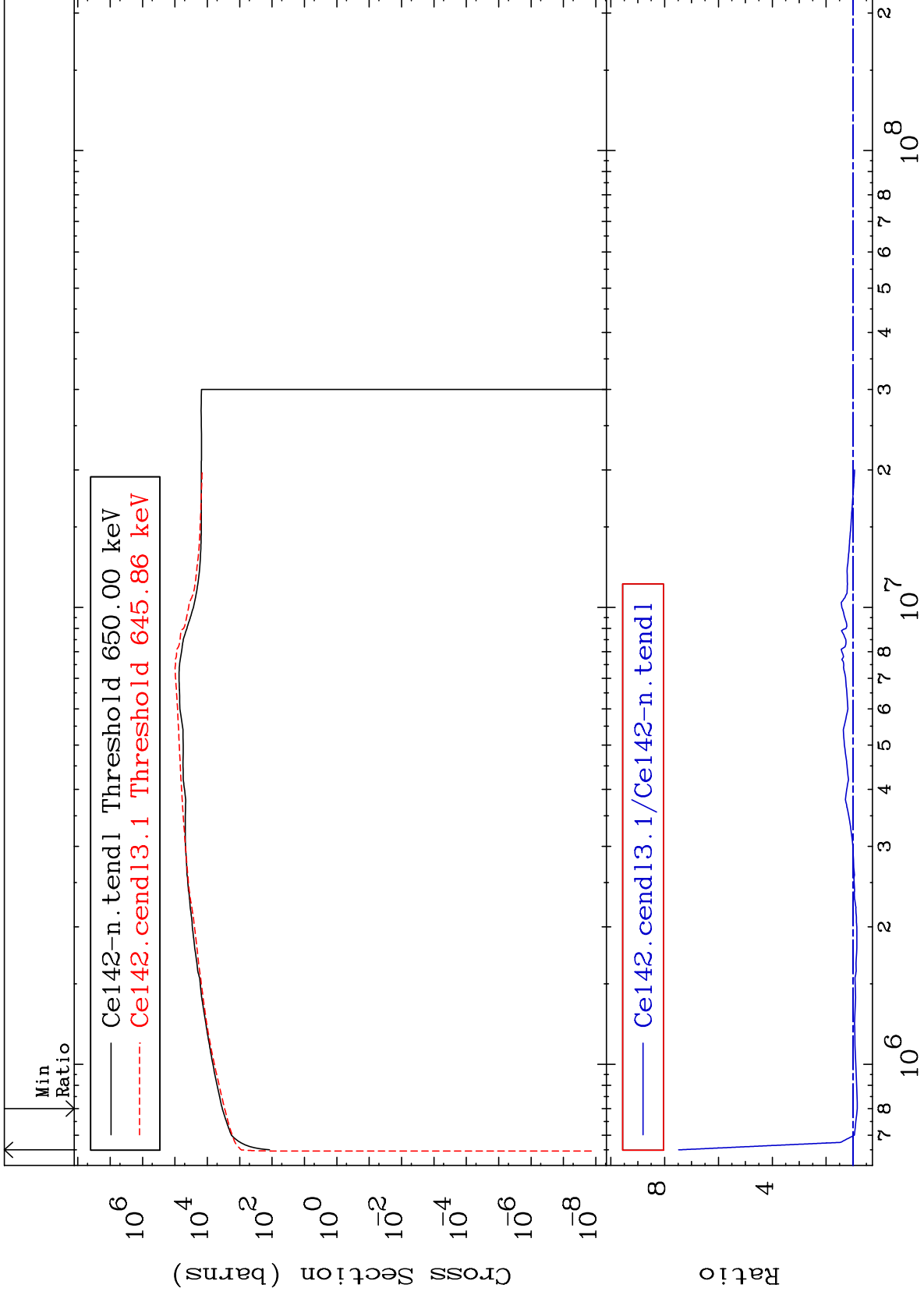
Incident Energy (eV)

58-Ce-142

MAT 5843

Dpa inelastic (mt51-91)
Cross Section

58-Ce-142
-15.78 To 648.1 %



MAT 5843

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-142
-99.71 To 9999. %

