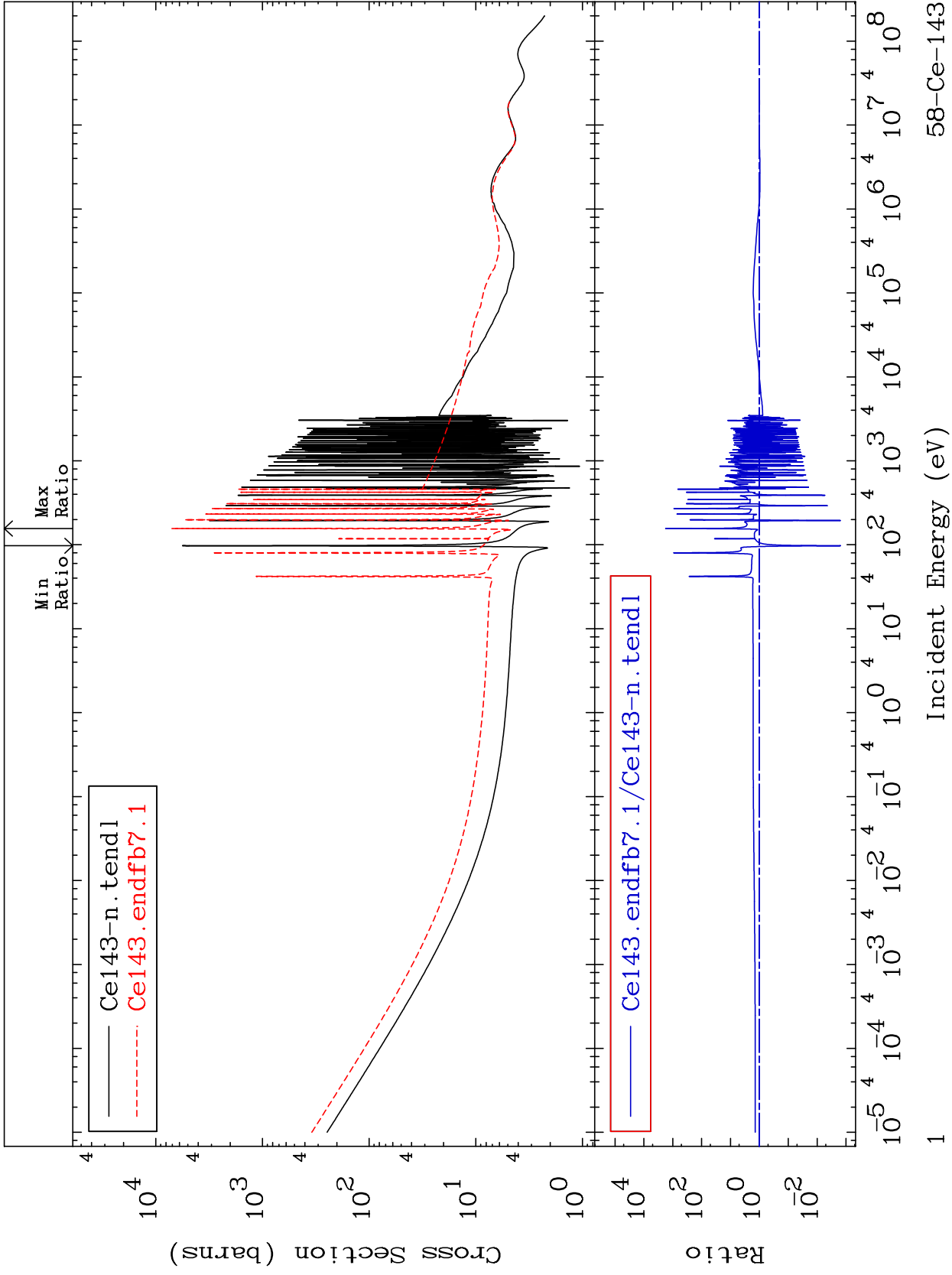


MAT 5846

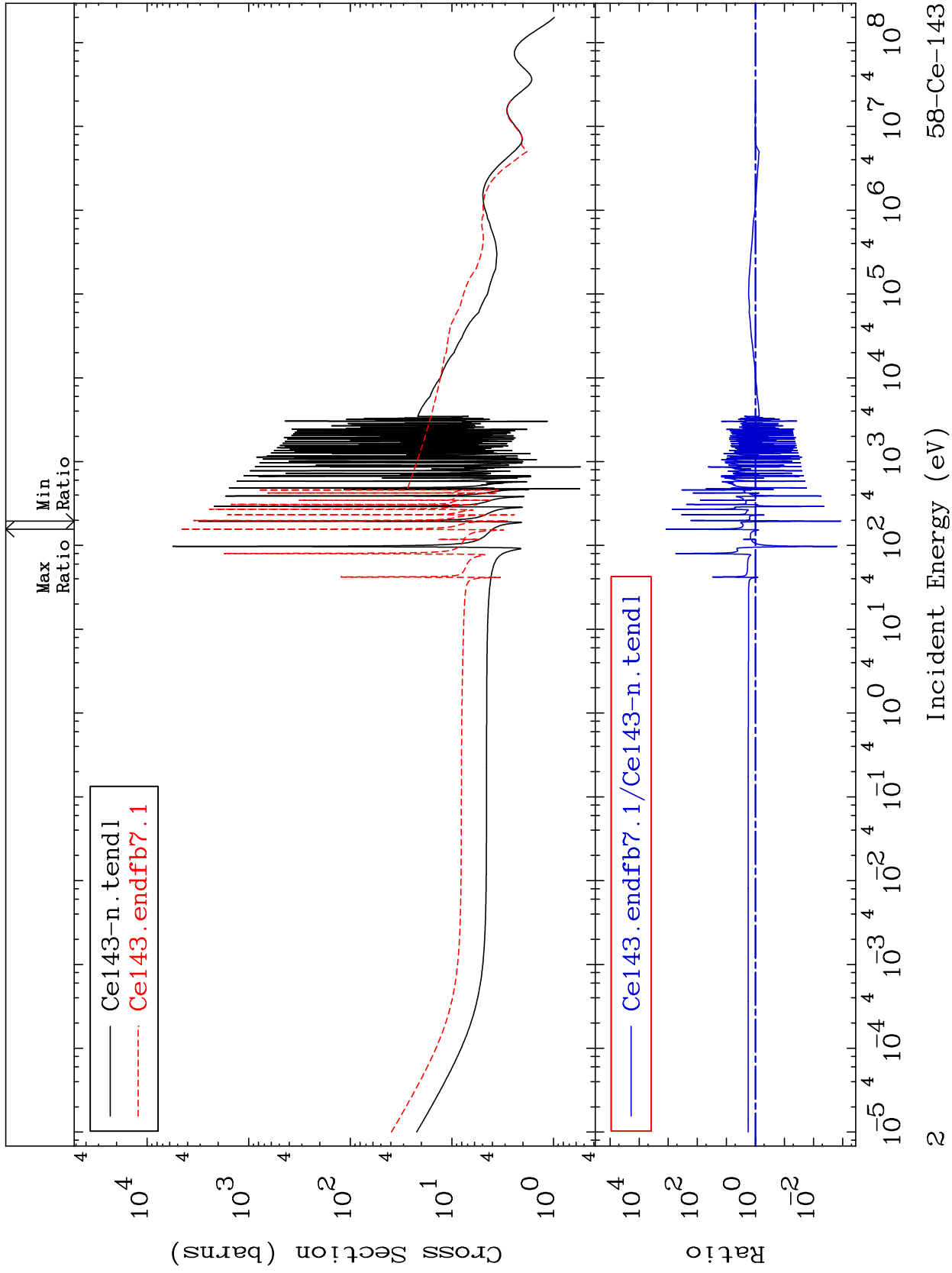
Total Cross Section
58-Ce-143
-99.85 To 9999. %



MAT 5846

Elastic
Cross Section

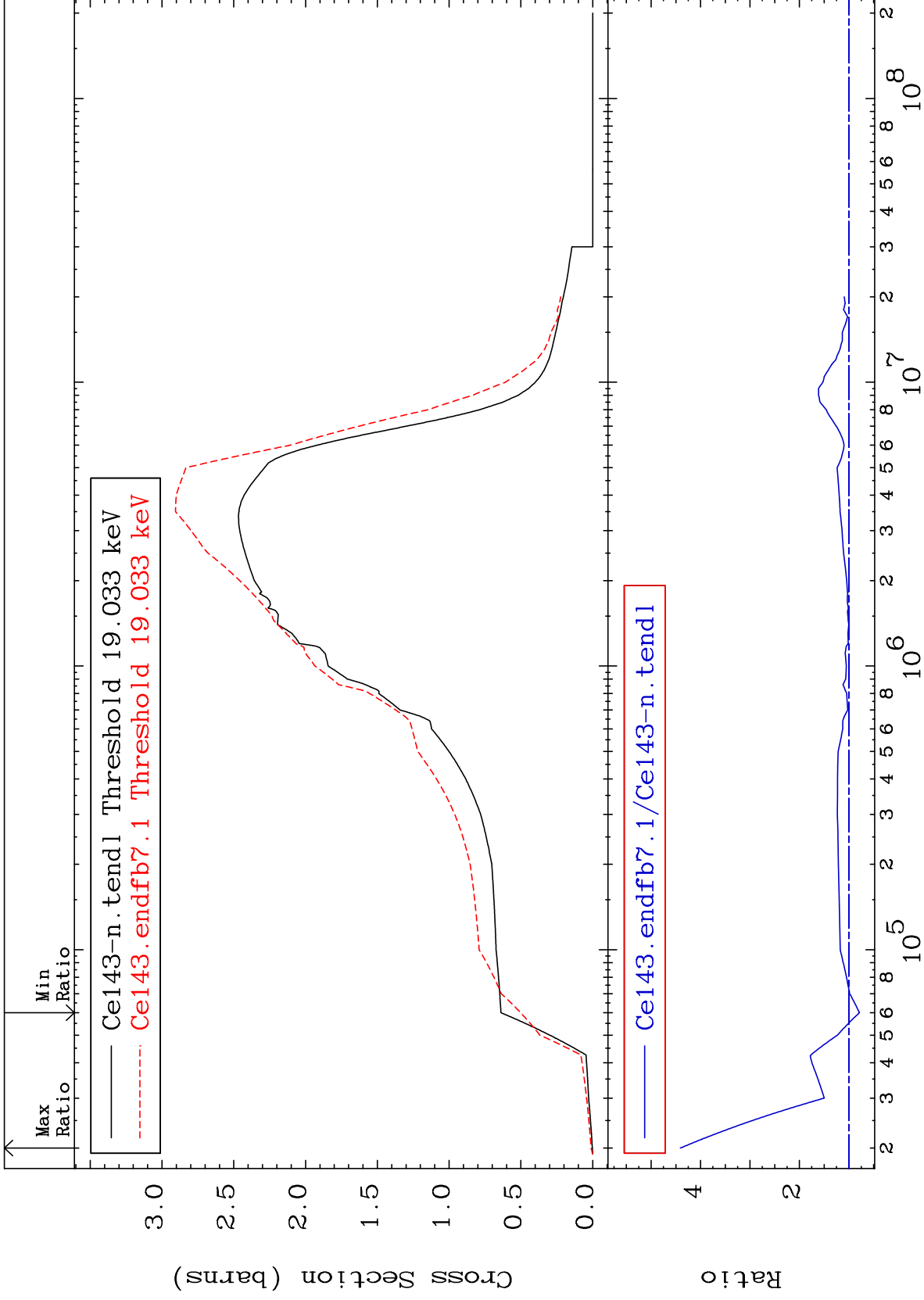
58-Ce-143
-99.89 To 9999. %



MAT 5846

Inelastic
Cross Section

58-Ce-143
-21.40 To 340.9 %



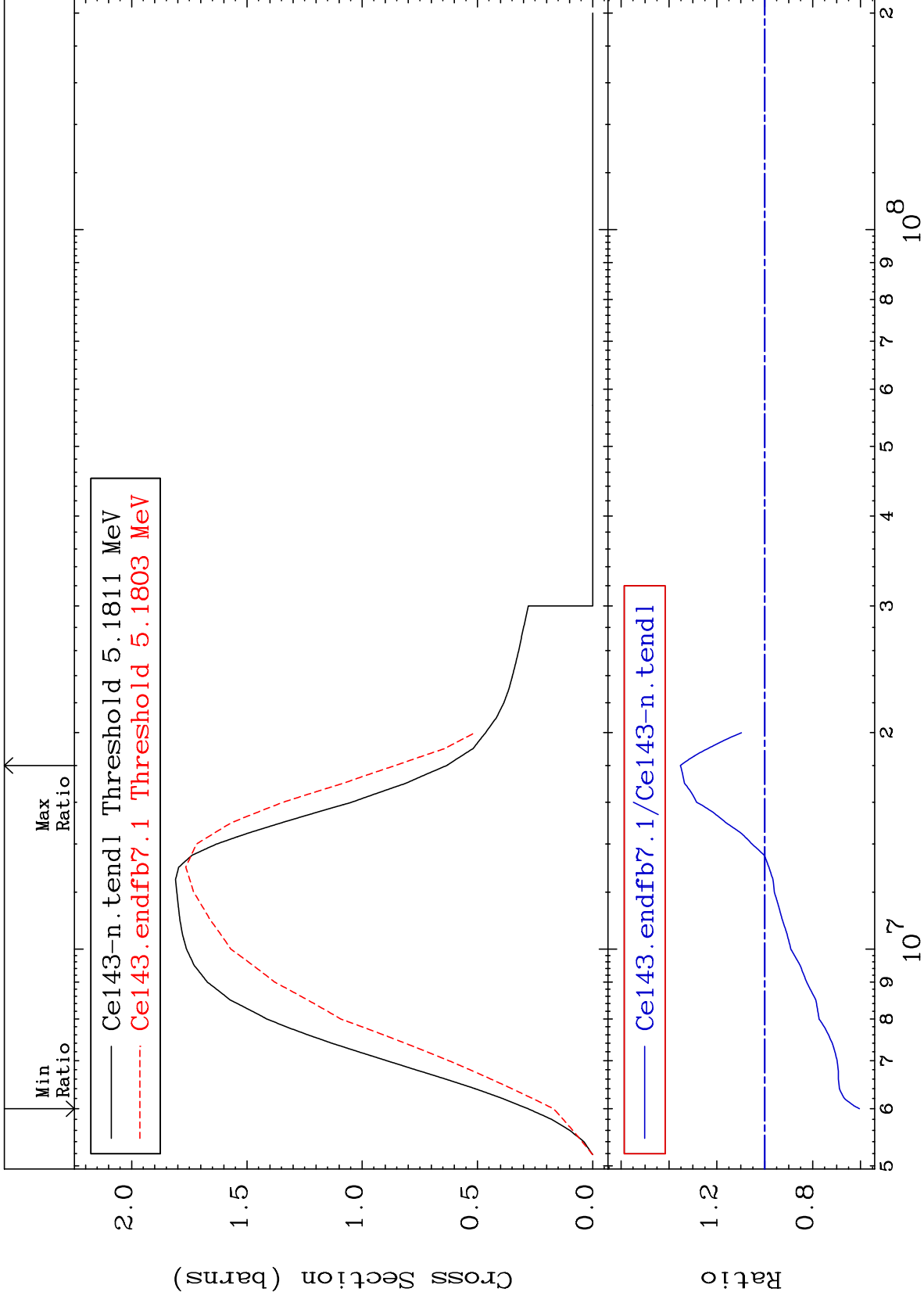
MAT 5846

(n,2n)

58-Ce-143

Cross Section

-39.53 To 35.24 %



4

Incident Energy (eV)

58-Ce-143

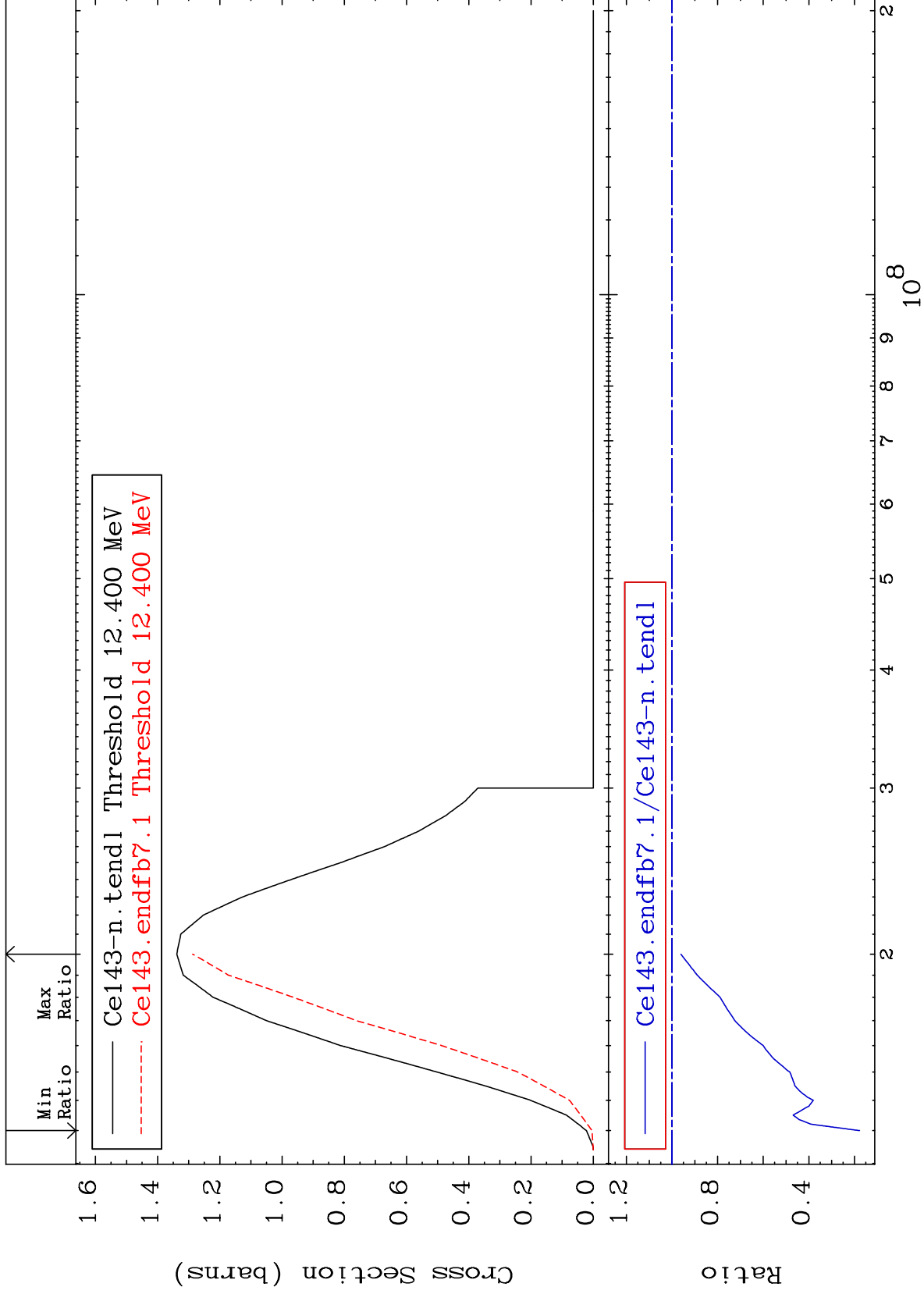
MAT 5846

(n,3n)

58-Ce-143

Cross Section

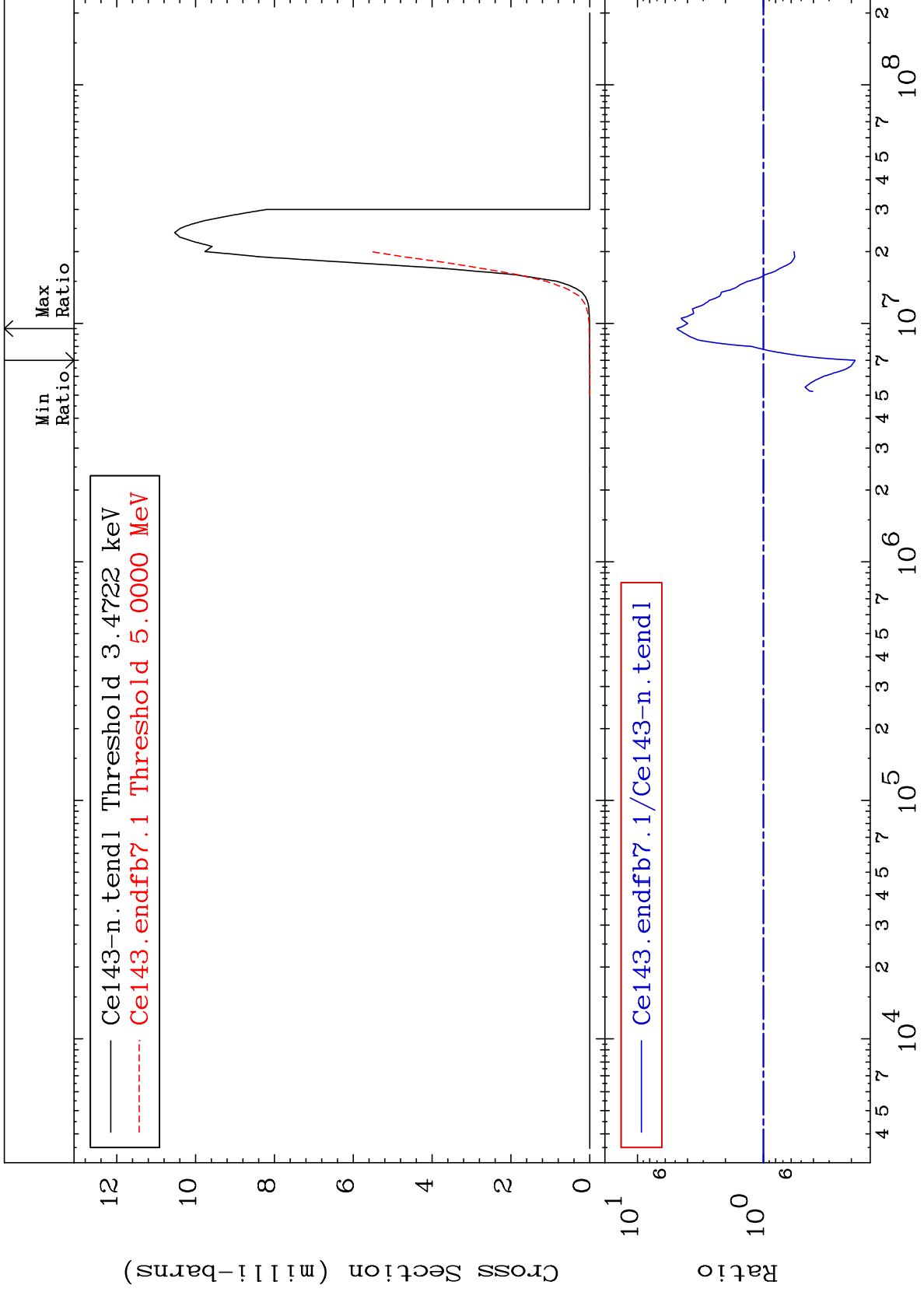
-82.23 To -3.824%



MAT 5846

$(n, n') \alpha$
Cross Section

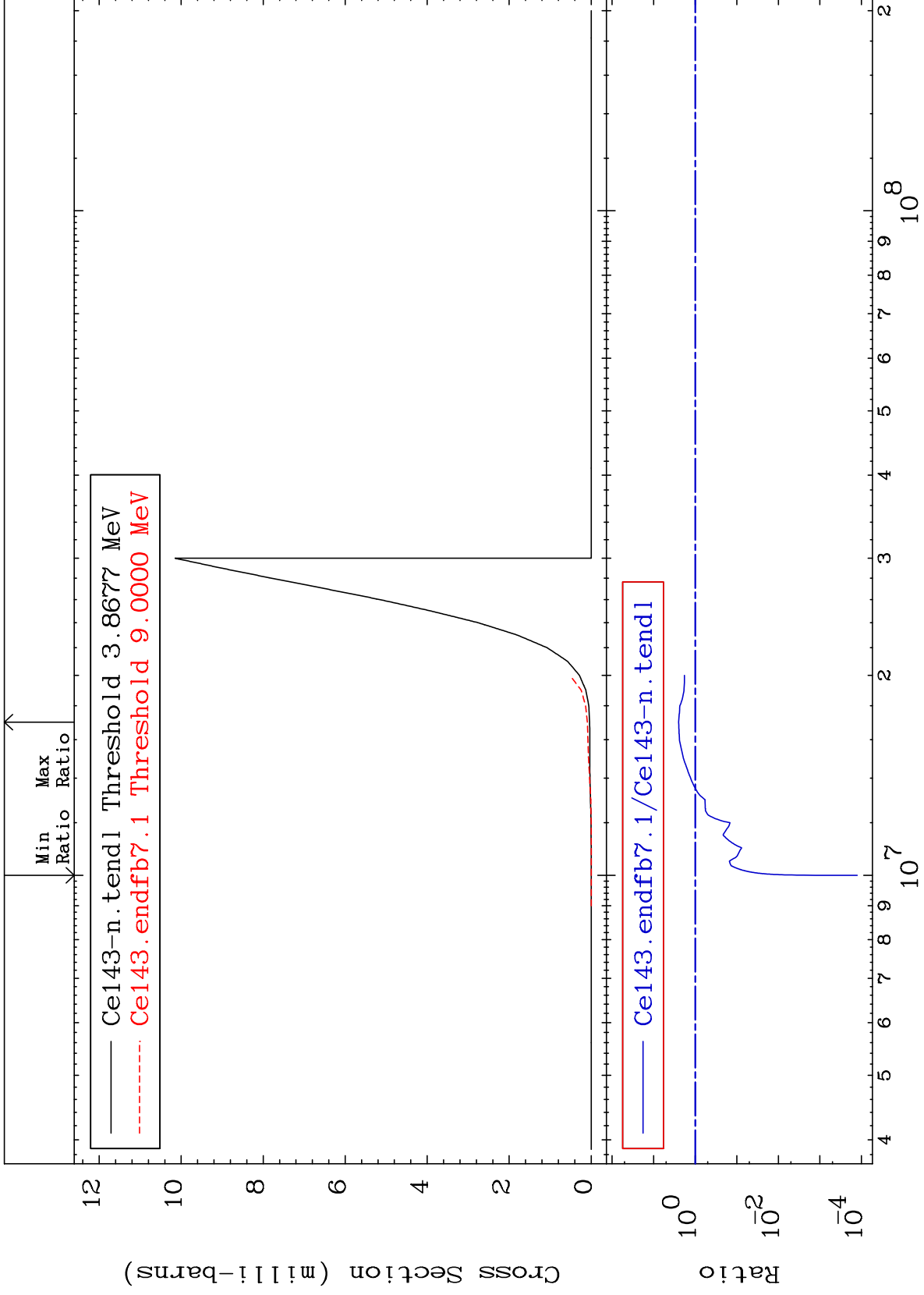
58-Ce-143
-81.32 To 385.5 %



MAT 5846

(n,2n) α
Cross Section

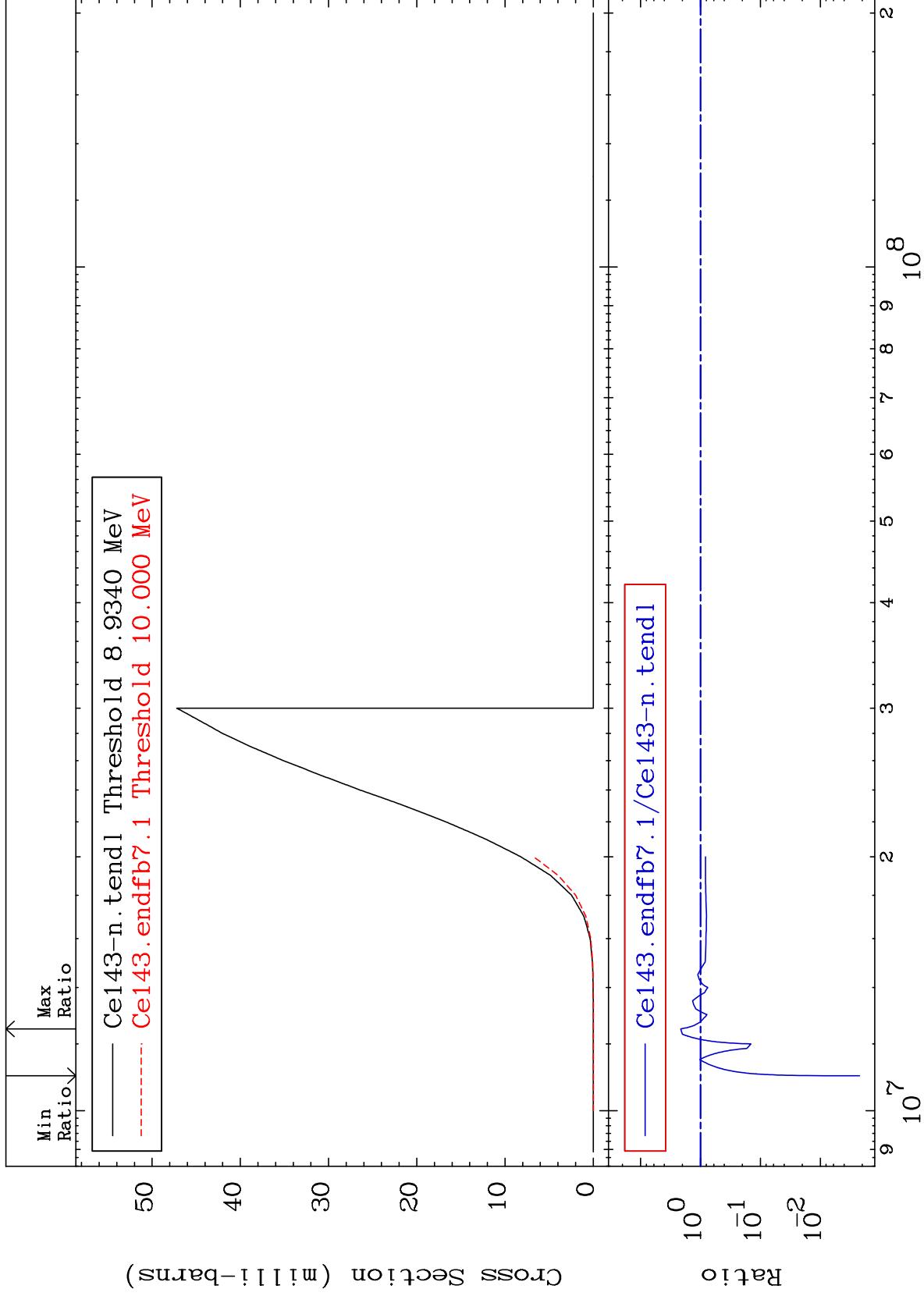
58-Ce-143
-99.99 To 150.1 %



MAT 5846

(n,n') p
Cross Section

58-Ce-143
-99.78 To 112.8 %



8

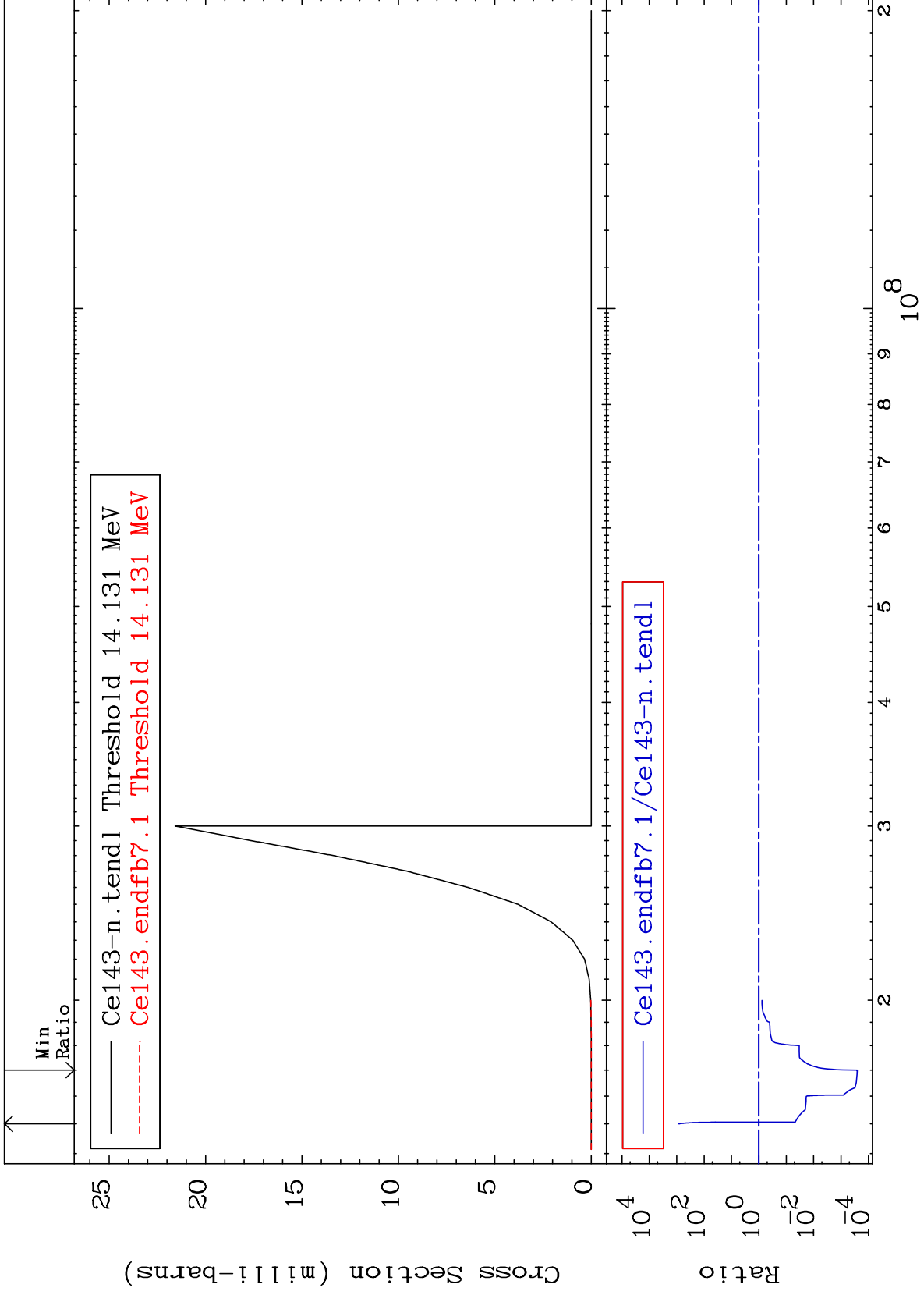
Incident Energy (eV)

58-Ce-143

MAT 5846

(n,2n) p
Cross Section

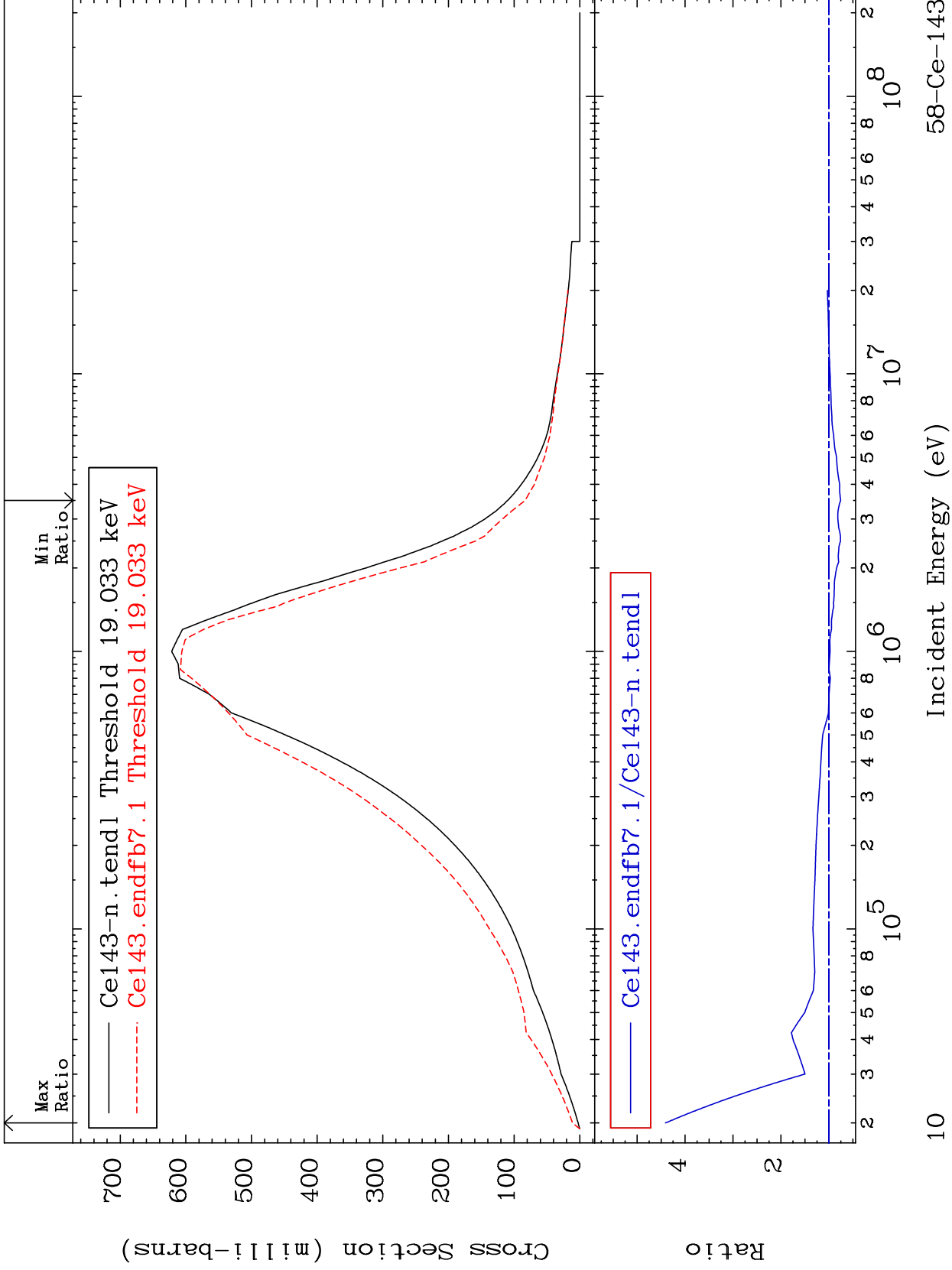
58-Ce-143
-99.97 To 9999. %



MAT 5846

18.90 keV (n,n') Level
Cross Section

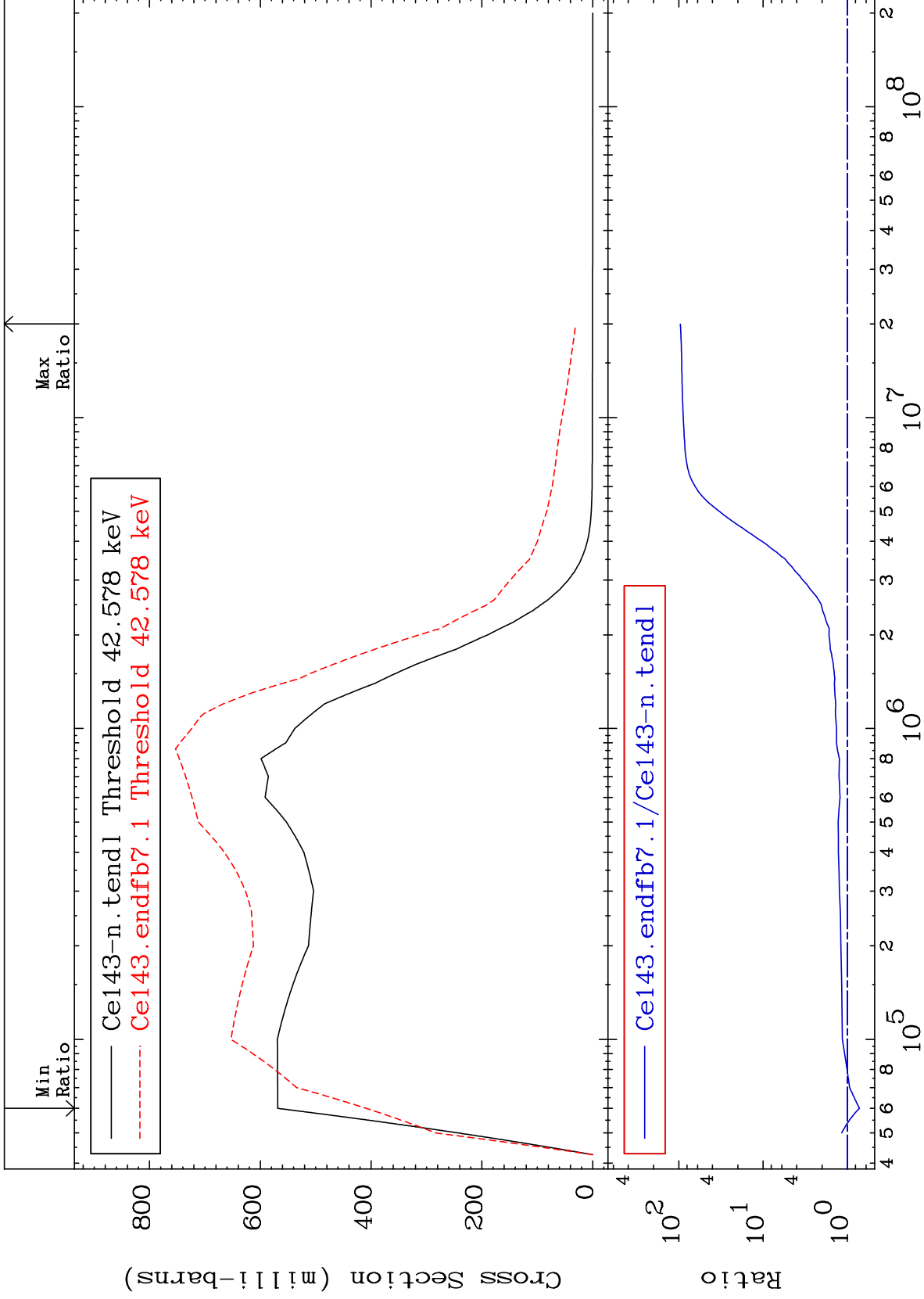
58-Ce-143
-24.57 To 340.9 %



MAT 5846

42.28 keV (n,n') Level
Cross Section

58-Ce-143
-28.09 To 9504. %



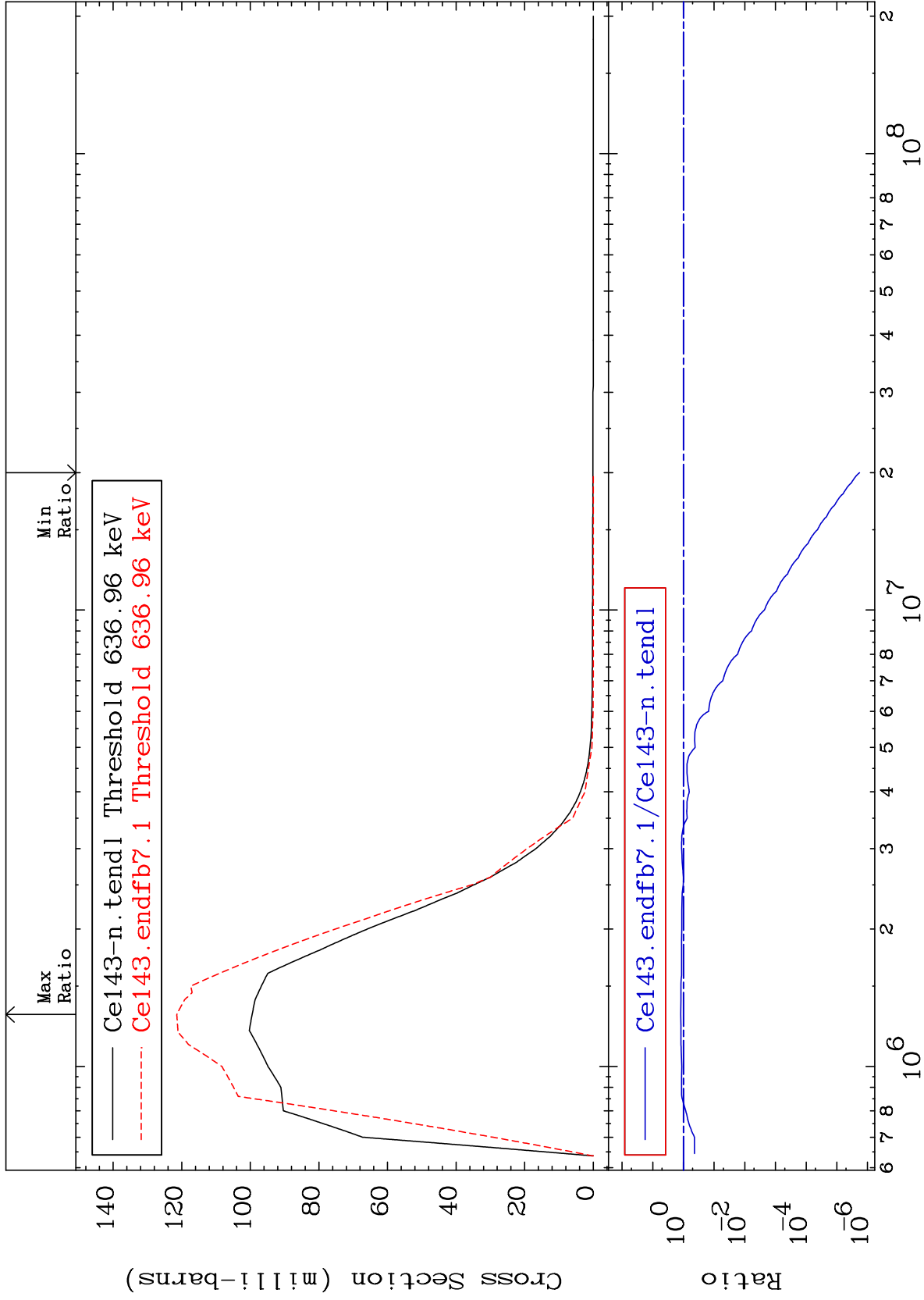
MAT 5846

632.5 keV (n,n') Level

58-Ce-143

-100.0 To 22.10 %

Cross Section



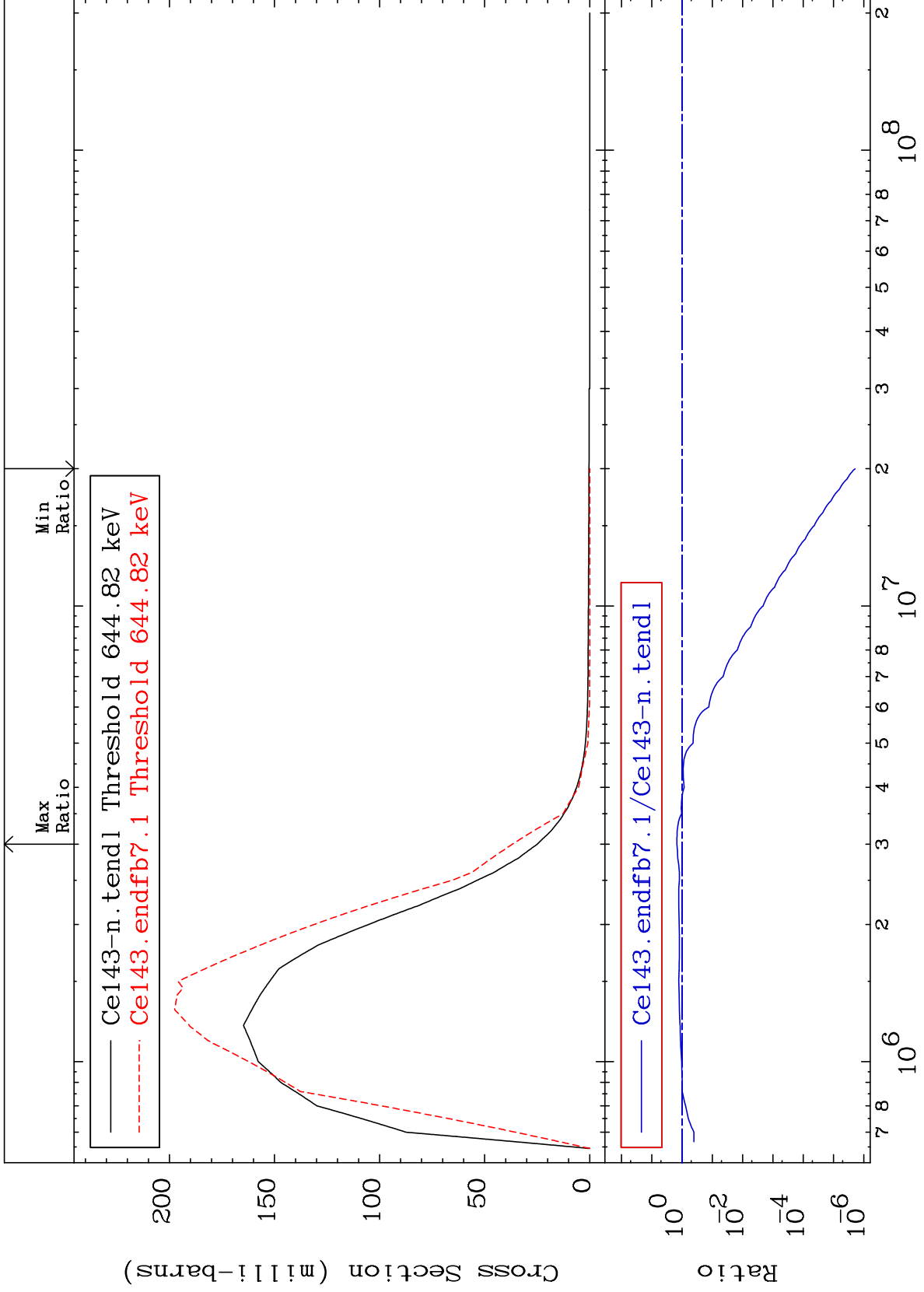
12

58-Ce-143

MAT 5846

640.3 keV (n,n') Level
Cross Section

58-Ce-143
-100.0 To 47.20 %



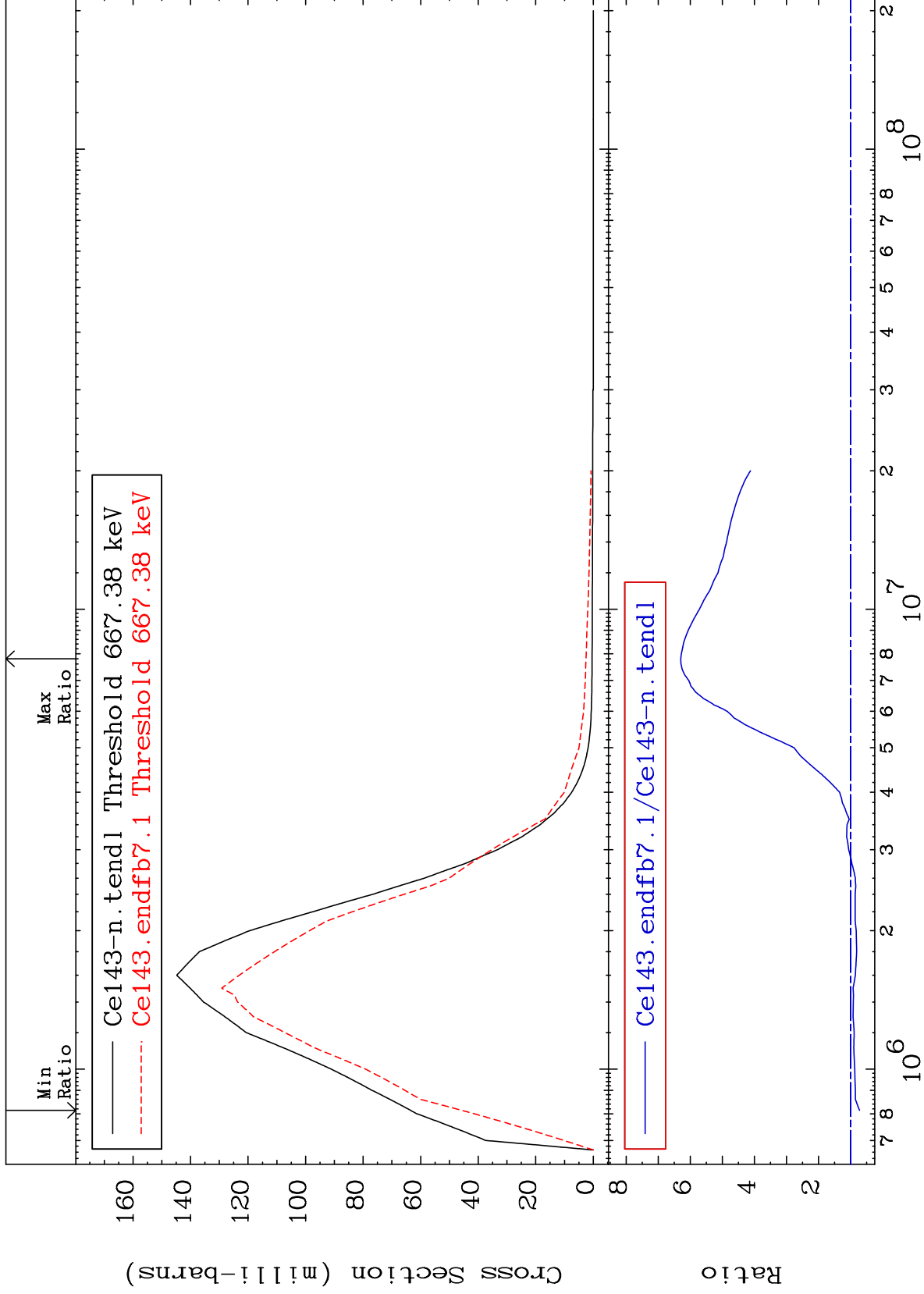
MAT 5846

662.7 keV (n,n') Level

58-Ce-143

-28.01 To 529.5 %

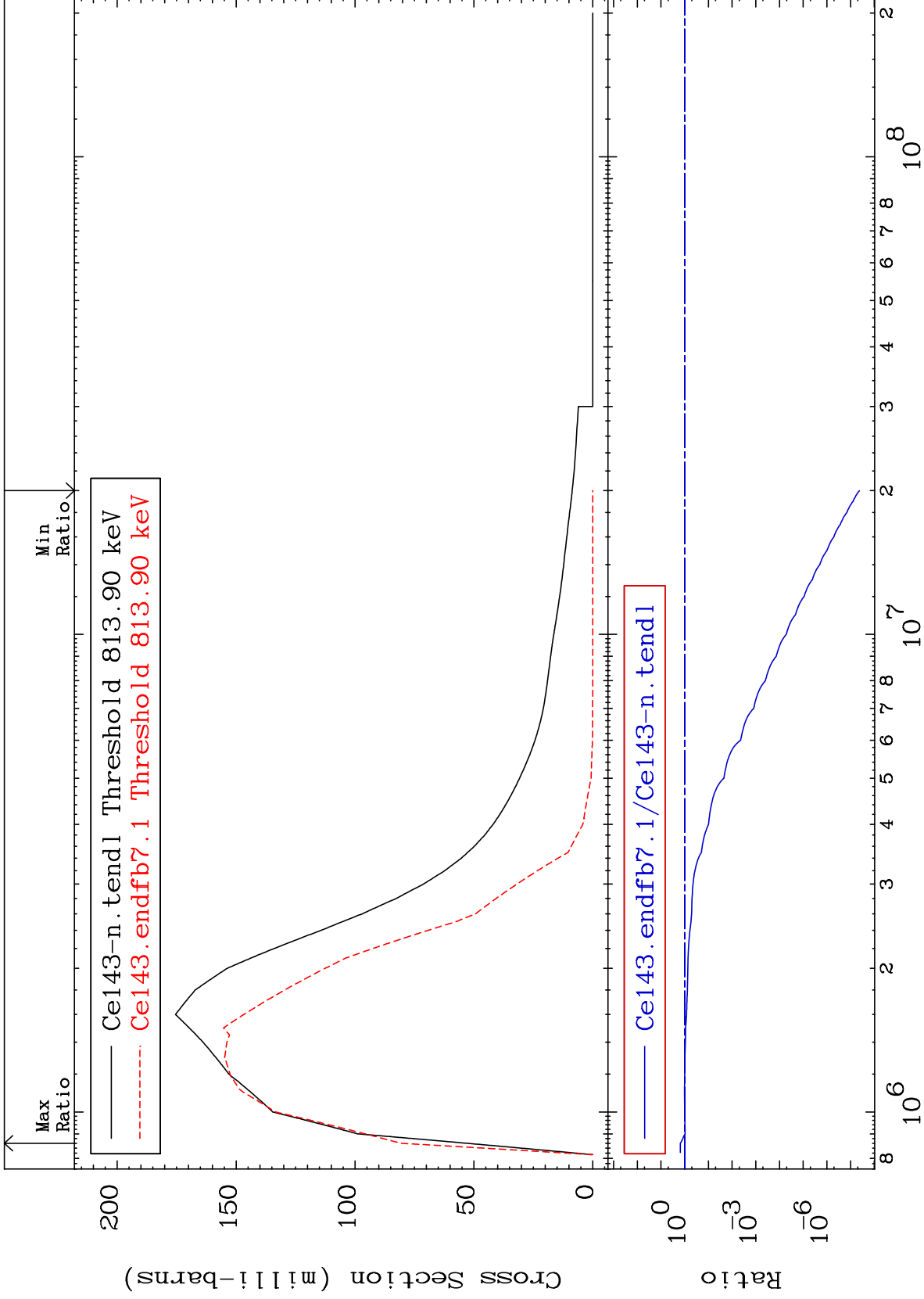
Cross Section



MAT 5846

808.2 keV (n,n') Level
Cross Section

58-Ce-143
-100.0 To 52.37 %



15

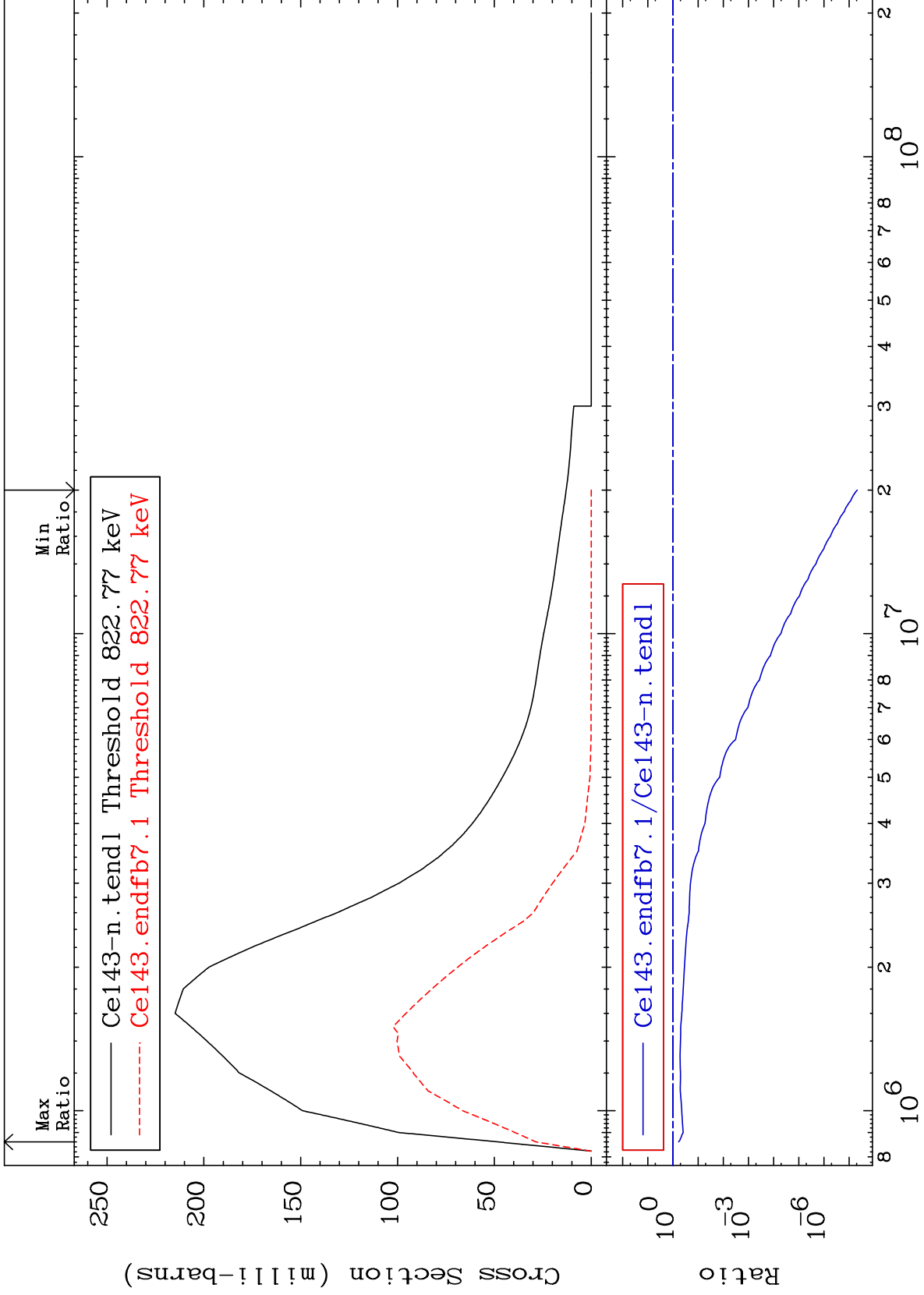
Incident Energy (eV)

58-Ce-143

MAT 5846

817.0 keV (n,n') Level
Cross Section

58-Ce-143
-100.0 To -40.47%



16

58-Ce-143

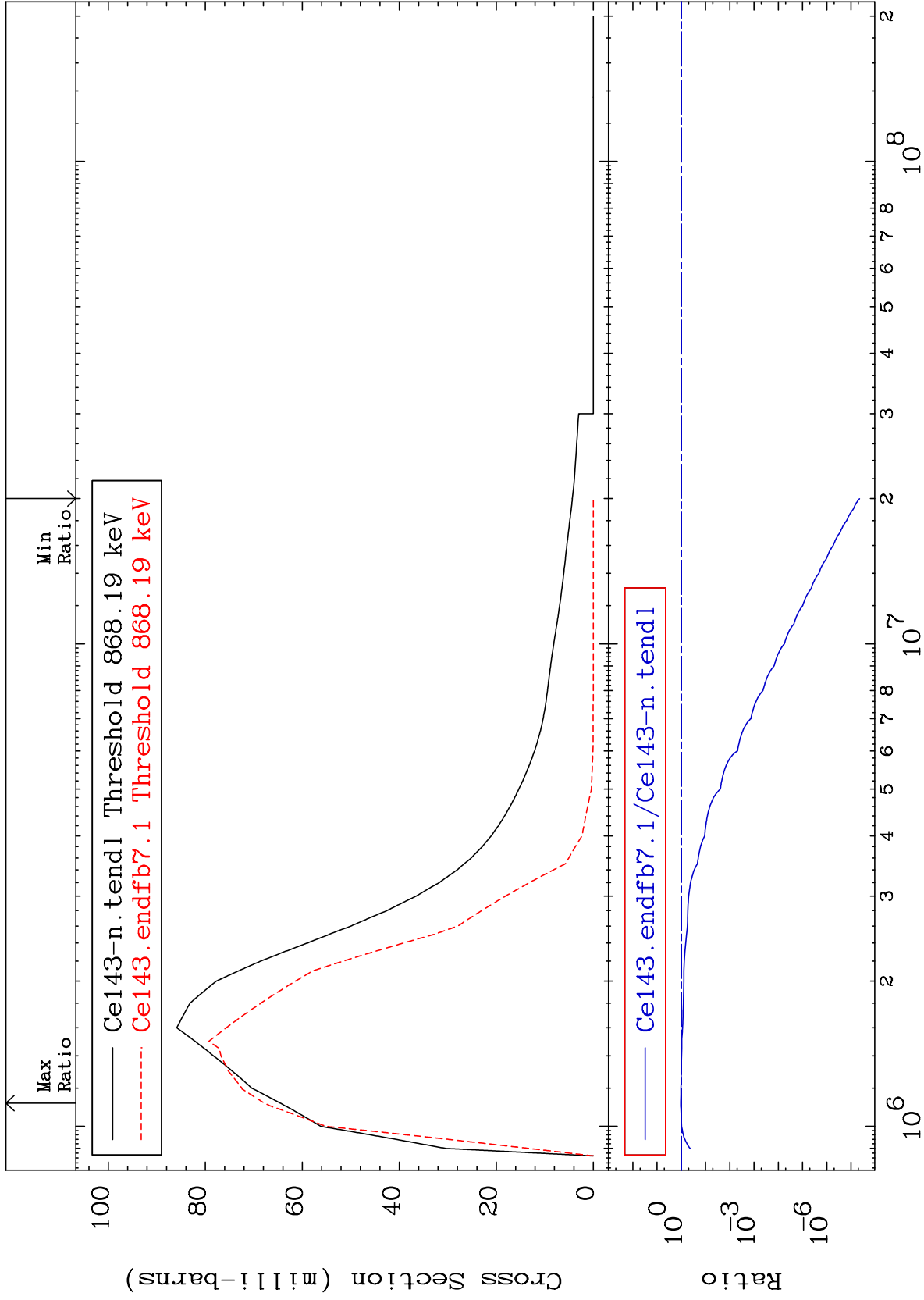
MAT 5846

862.1 keV (n,n') Level

58-Ce-143

-100.0 To 5.144 %

Cross Section



17

Incident Energy (eV)

58-Ce-143

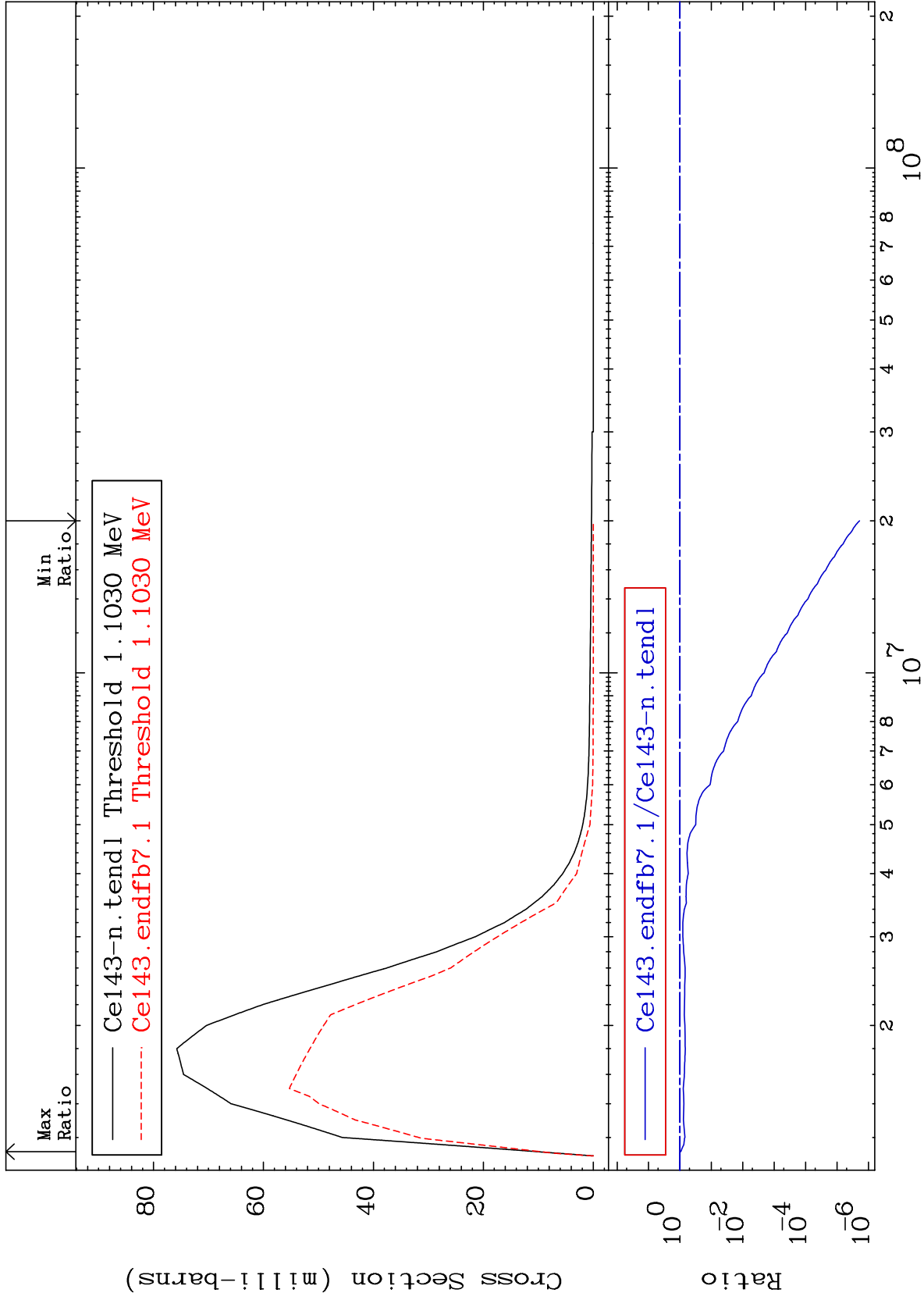
MAT 5846

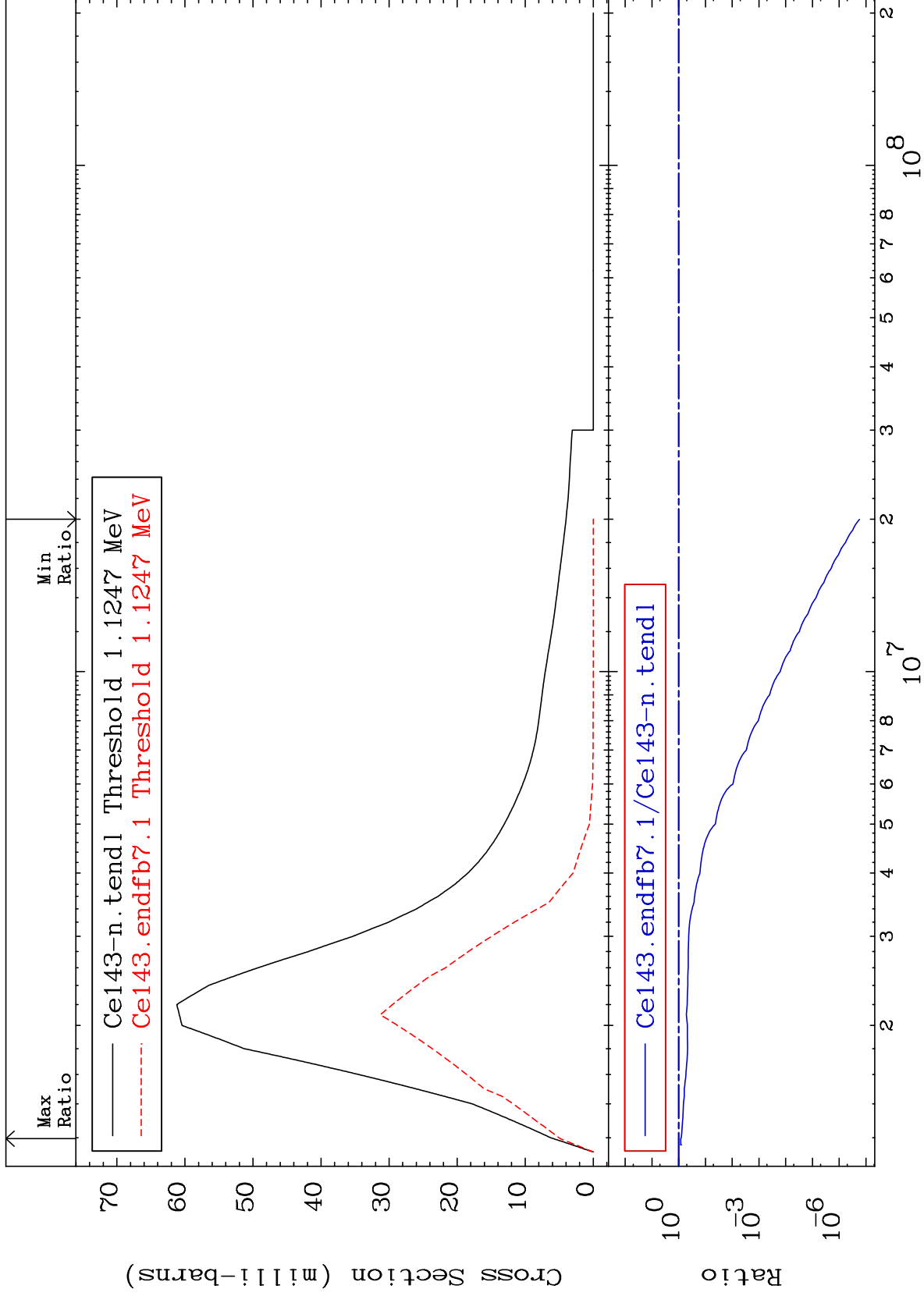
1.095 MeV (n,n') Level

58-Ce-143

-100.0 To -5.643%

Cross Section

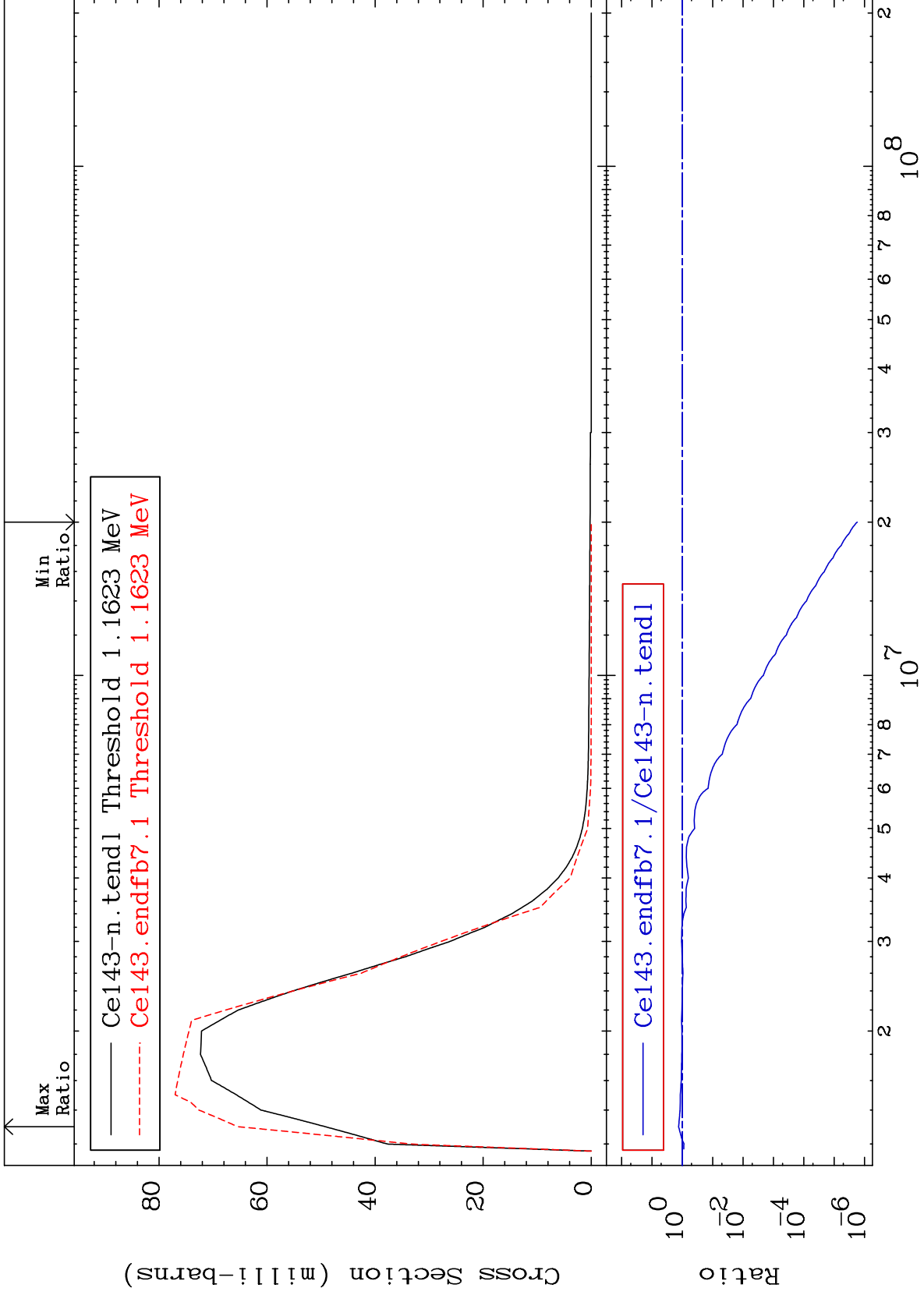




MAT 5846

1.154 MeV (n,n') Level
Cross Section

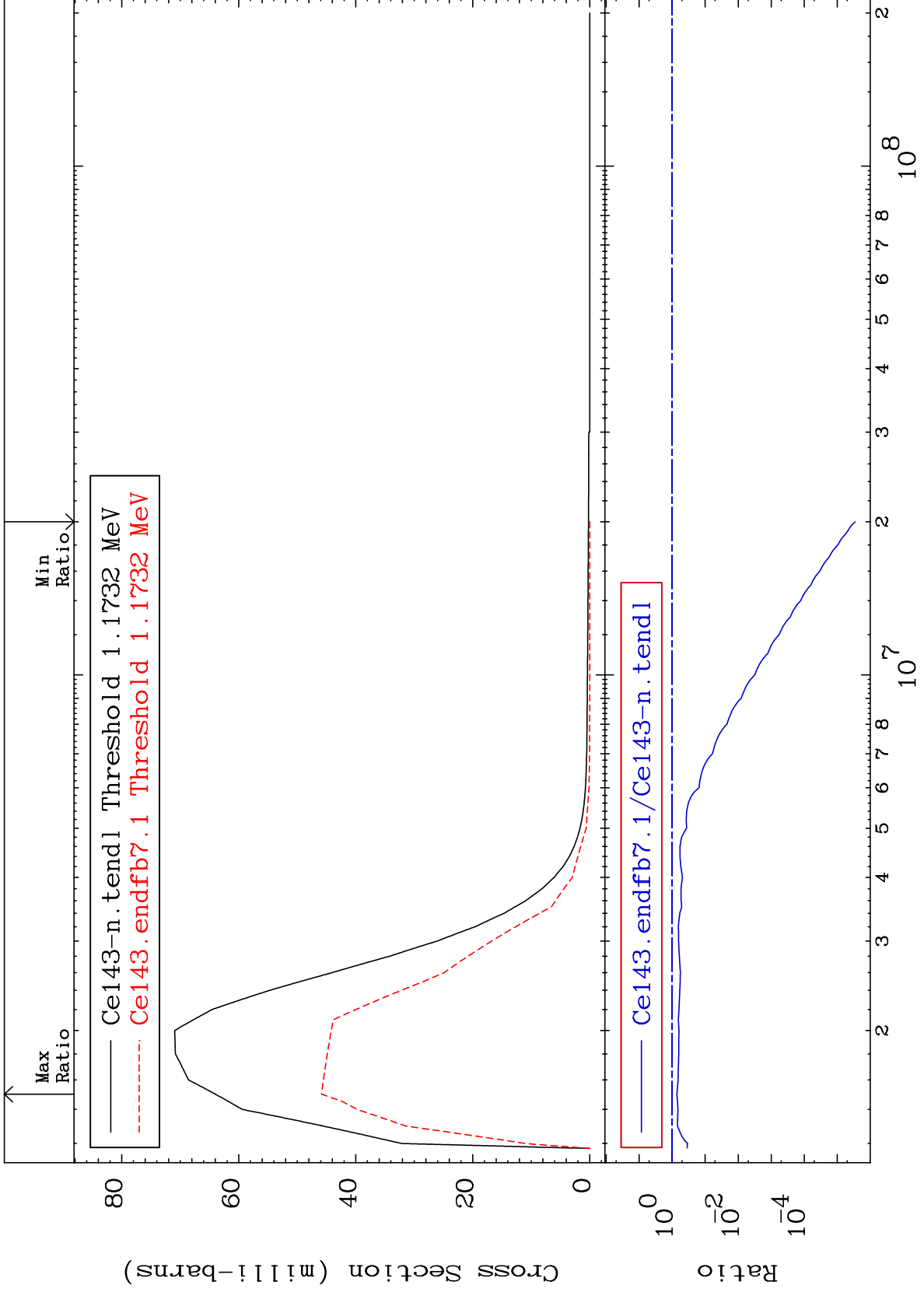
58-Ce-143
-100.0 To 32.68 %



MAT 5846

1.165 MeV (n,n') Level
Cross Section

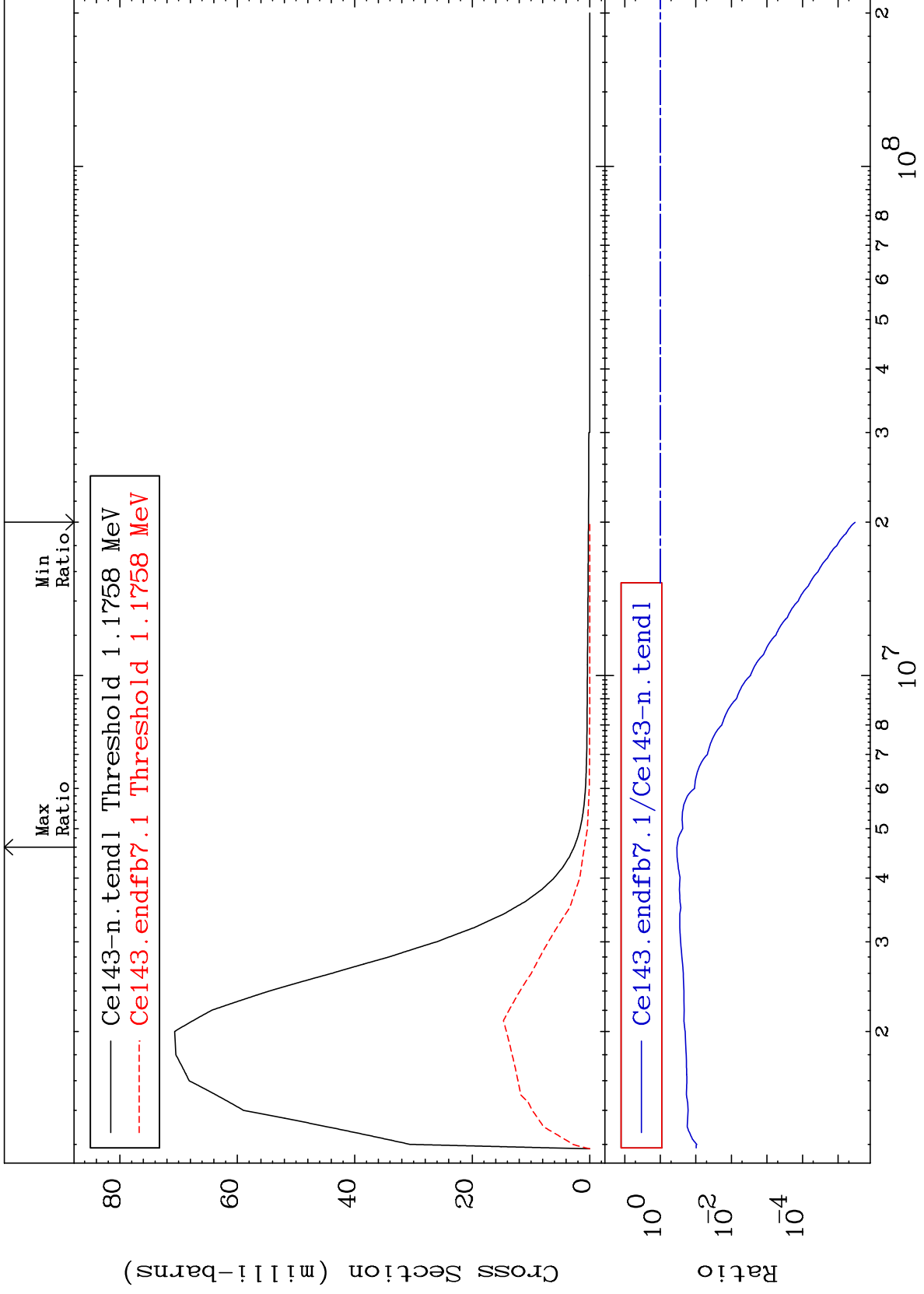
58-Ce-143
-100.0 To -28.35%



MAT 5846

1.168 MeV (n,n') Level
Cross Section

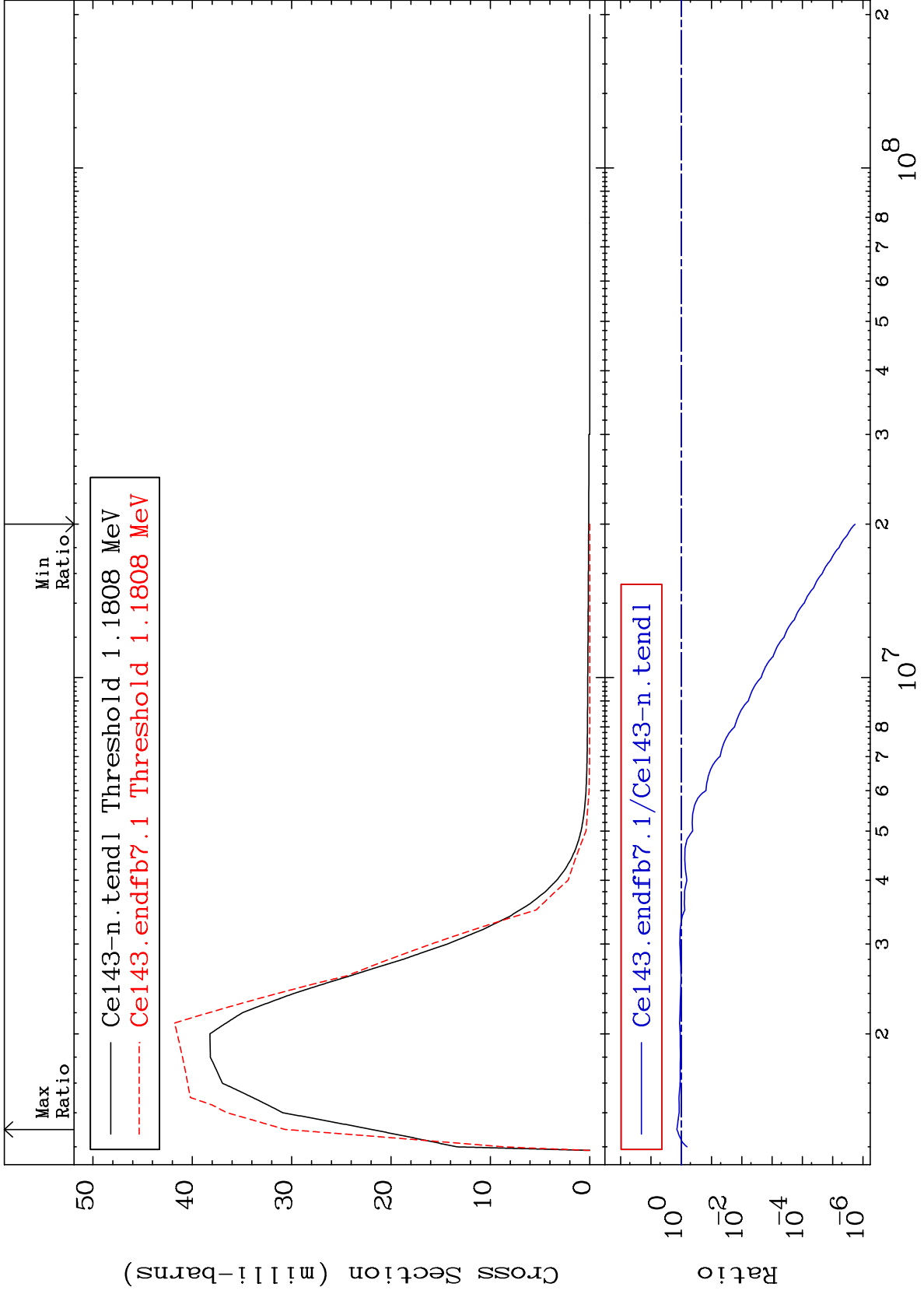
58-Ce-143
-100.0 To -65.93%



MAT 5846

1.172 MeV (n,n') Level
Cross Section

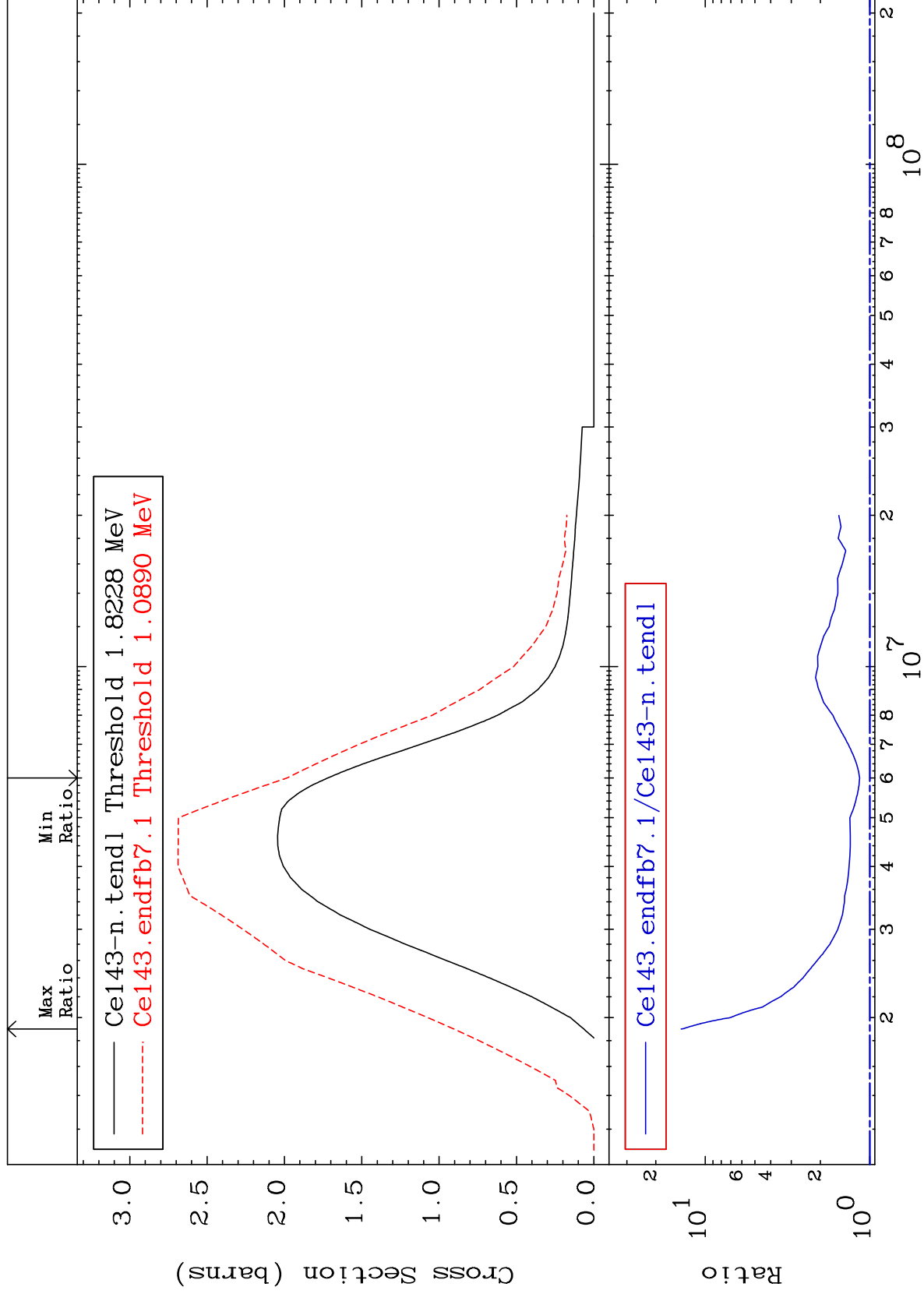
58-Ce-143
-100.0 To 39.24 %



MAT 5846

(n, n') Continuum
Cross Section

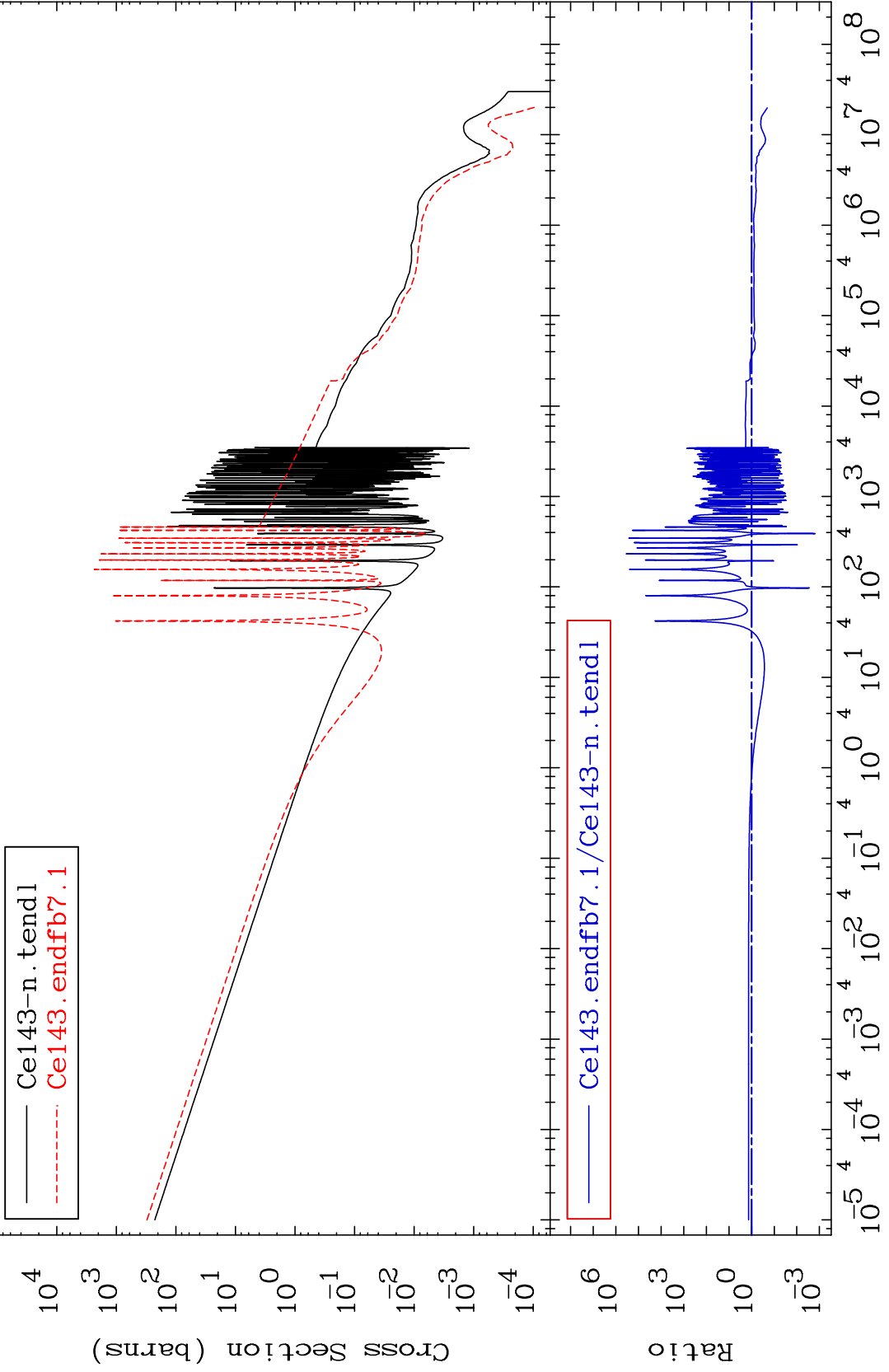
58-Ce-143
15.32 To 1302. %



MAT 5846

(n, γ)
Cross Section

58-Ce-143
-99.85 To 9999. %



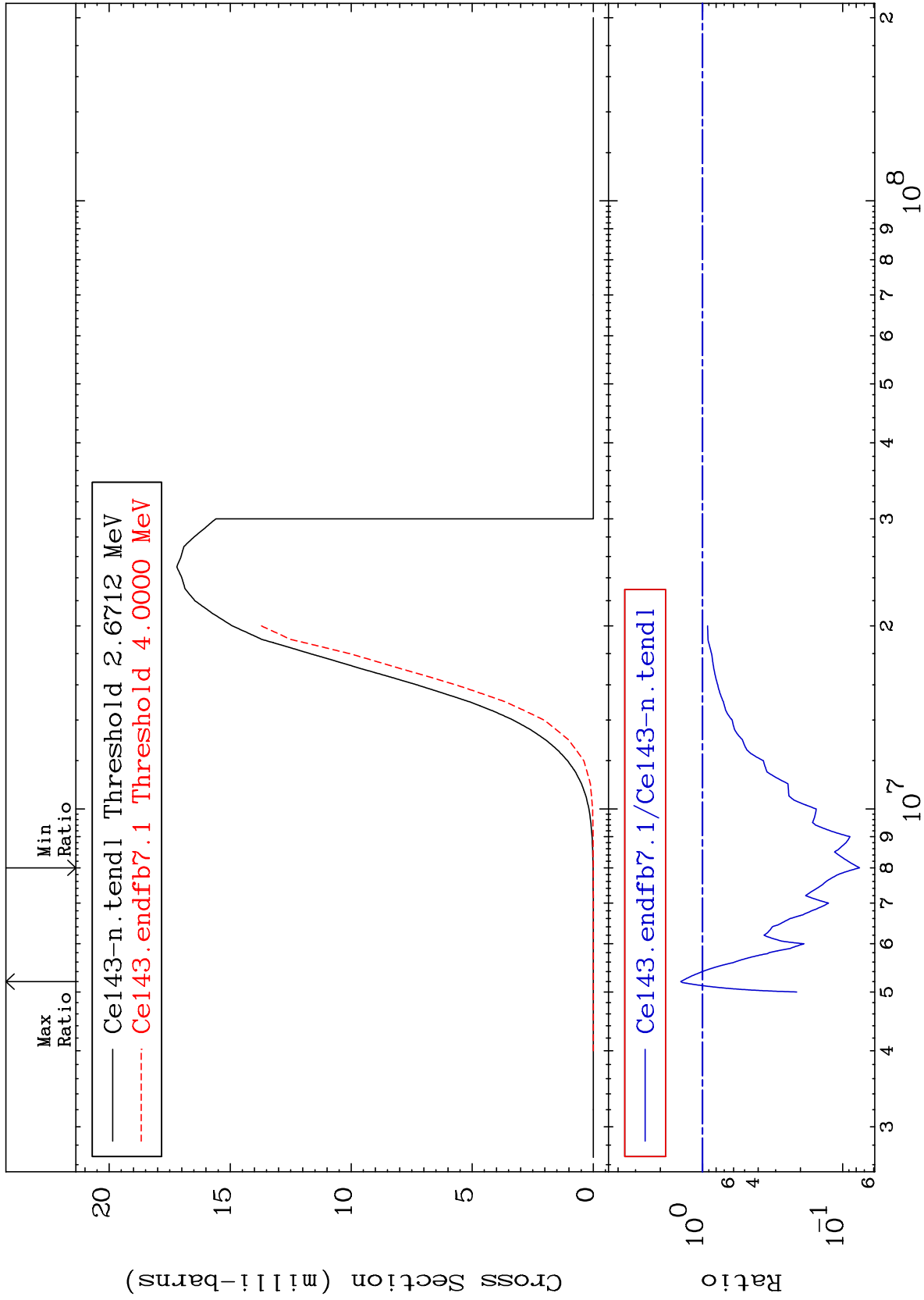
MAT 5846

(n,p)

58-Ce-143

Cross Section

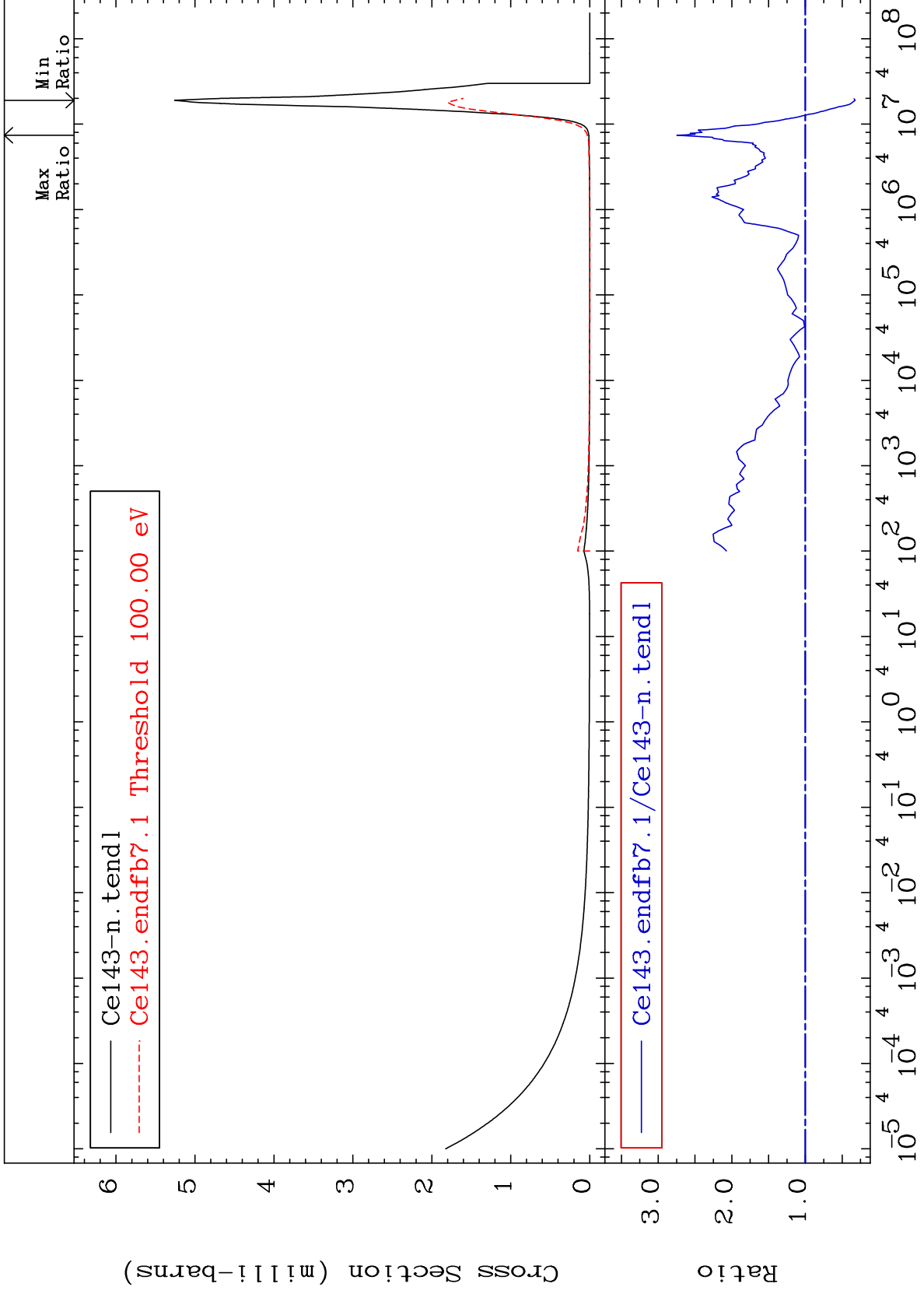
-92.43 To 42.89 %



MAT 5846

(n, α)
Cross Section

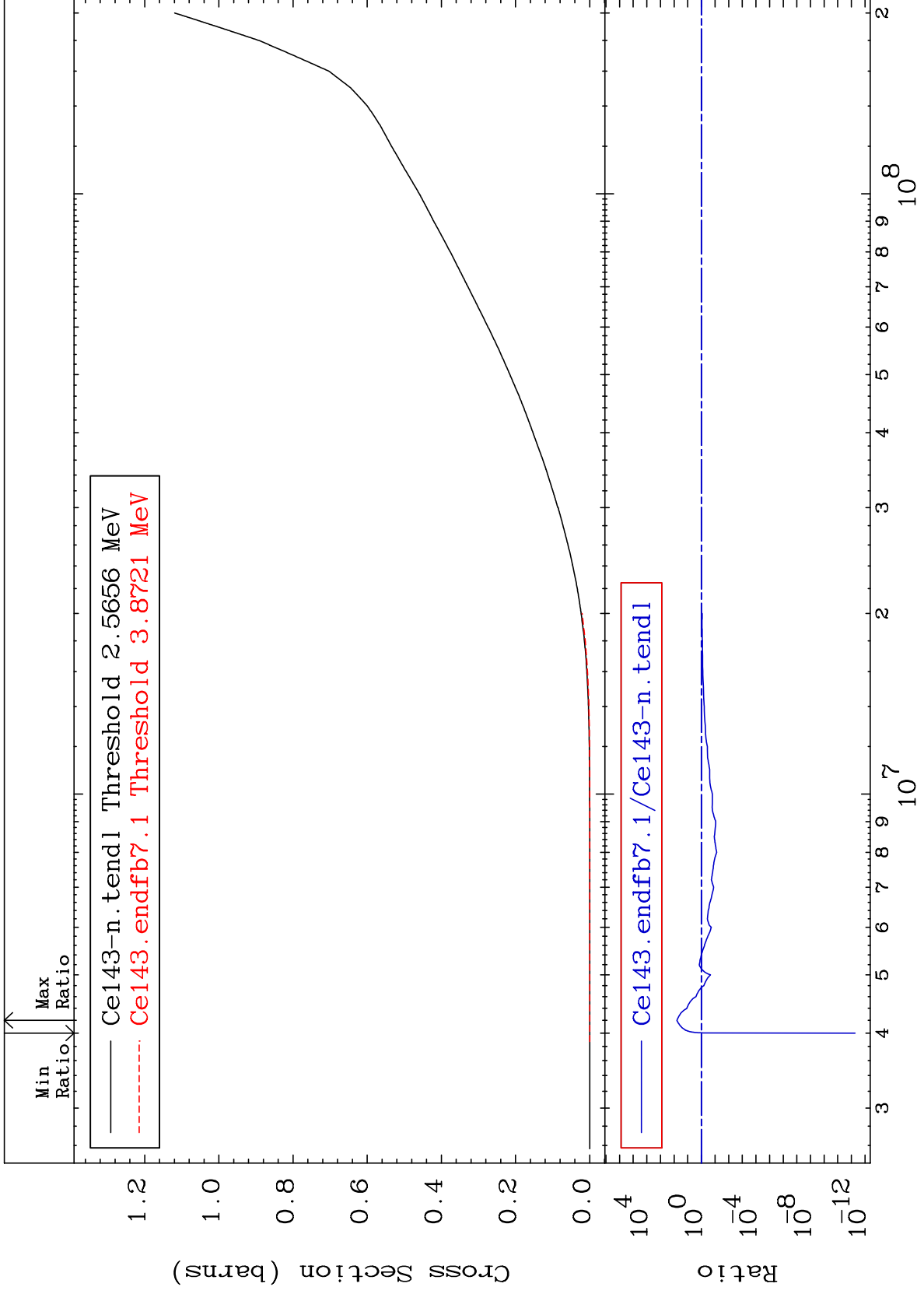
58-Ce-143
-67.58 To 174.5 %



27

Incident Energy (eV)

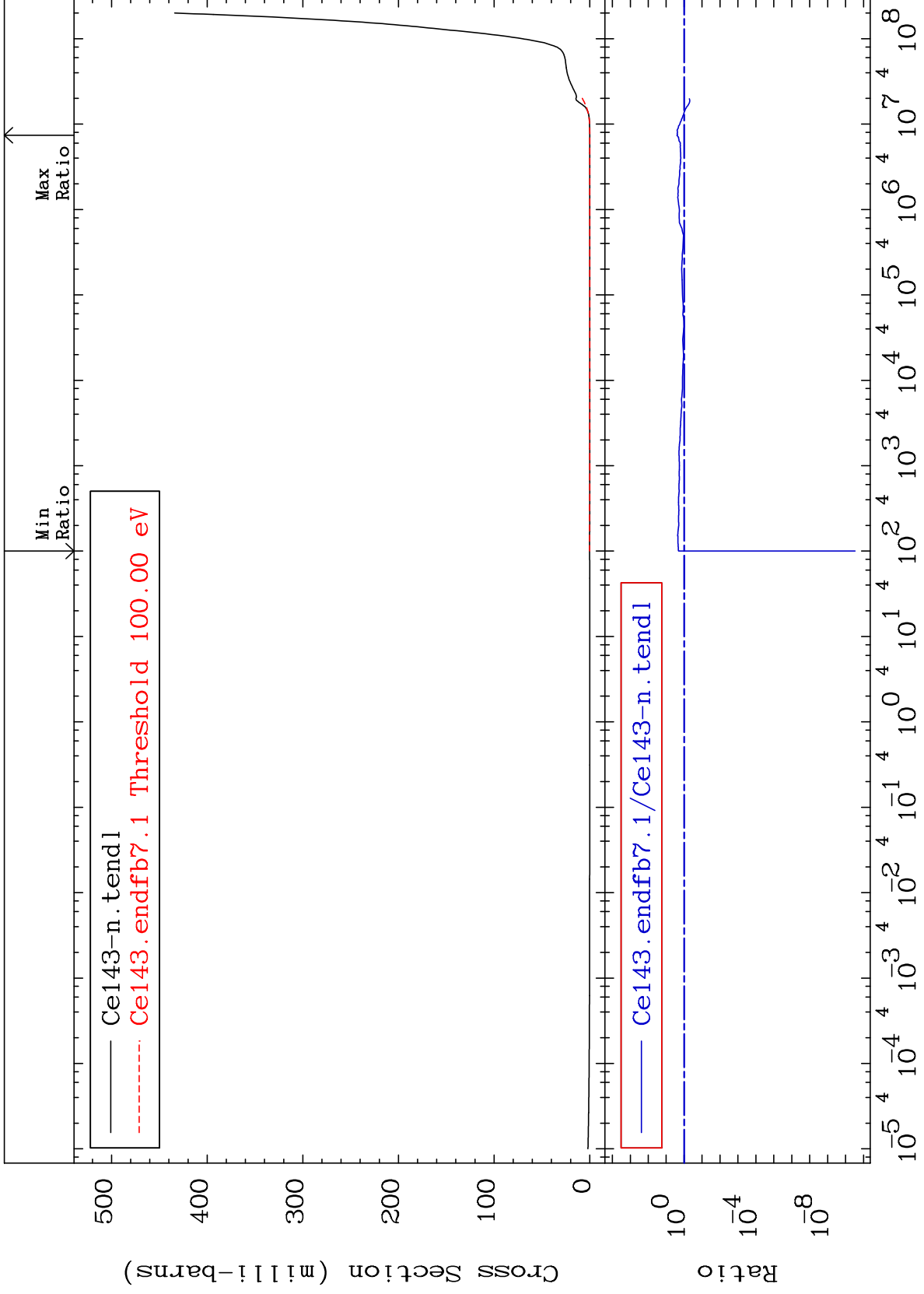
58-Ce-143

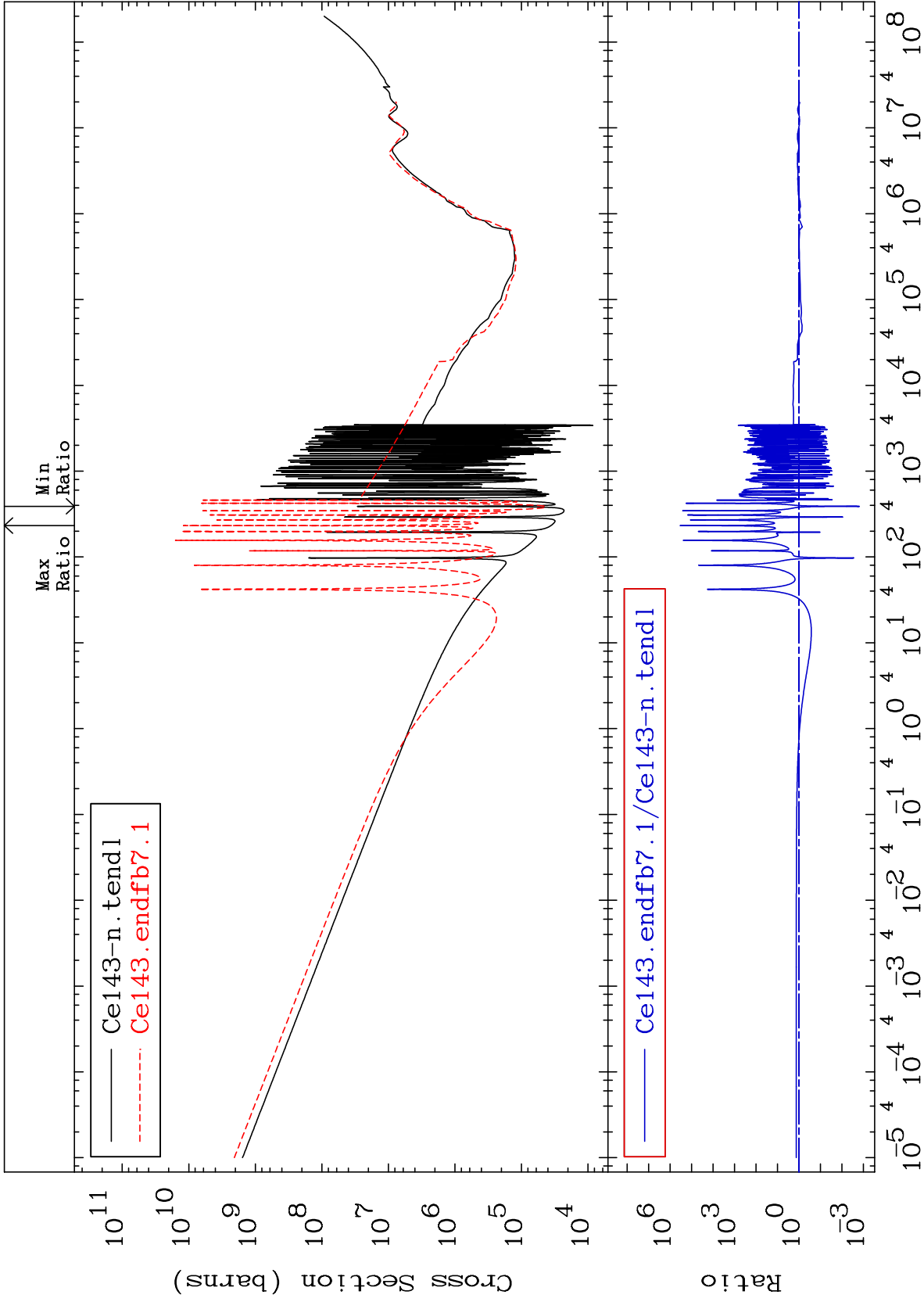


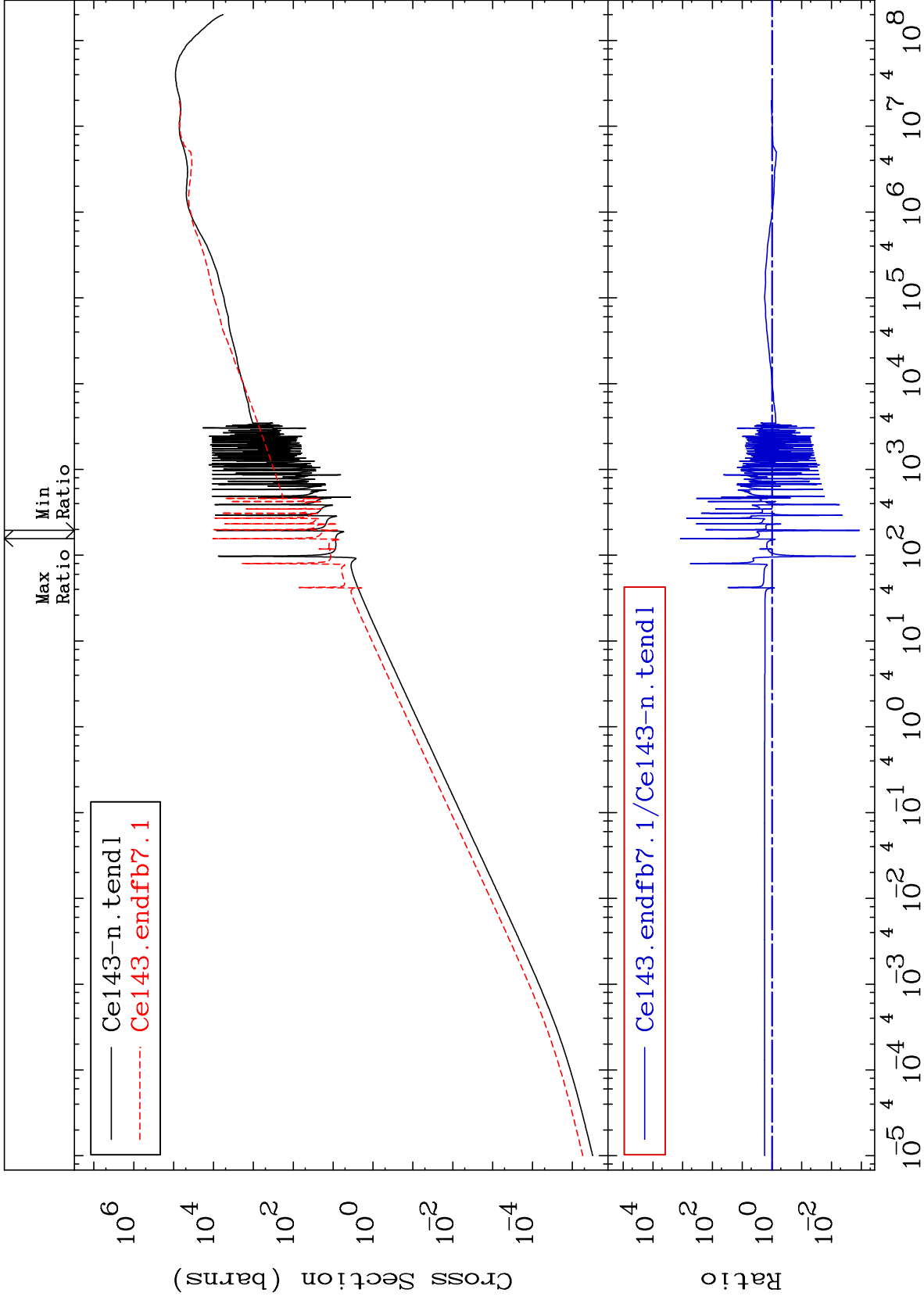
MAT 5846

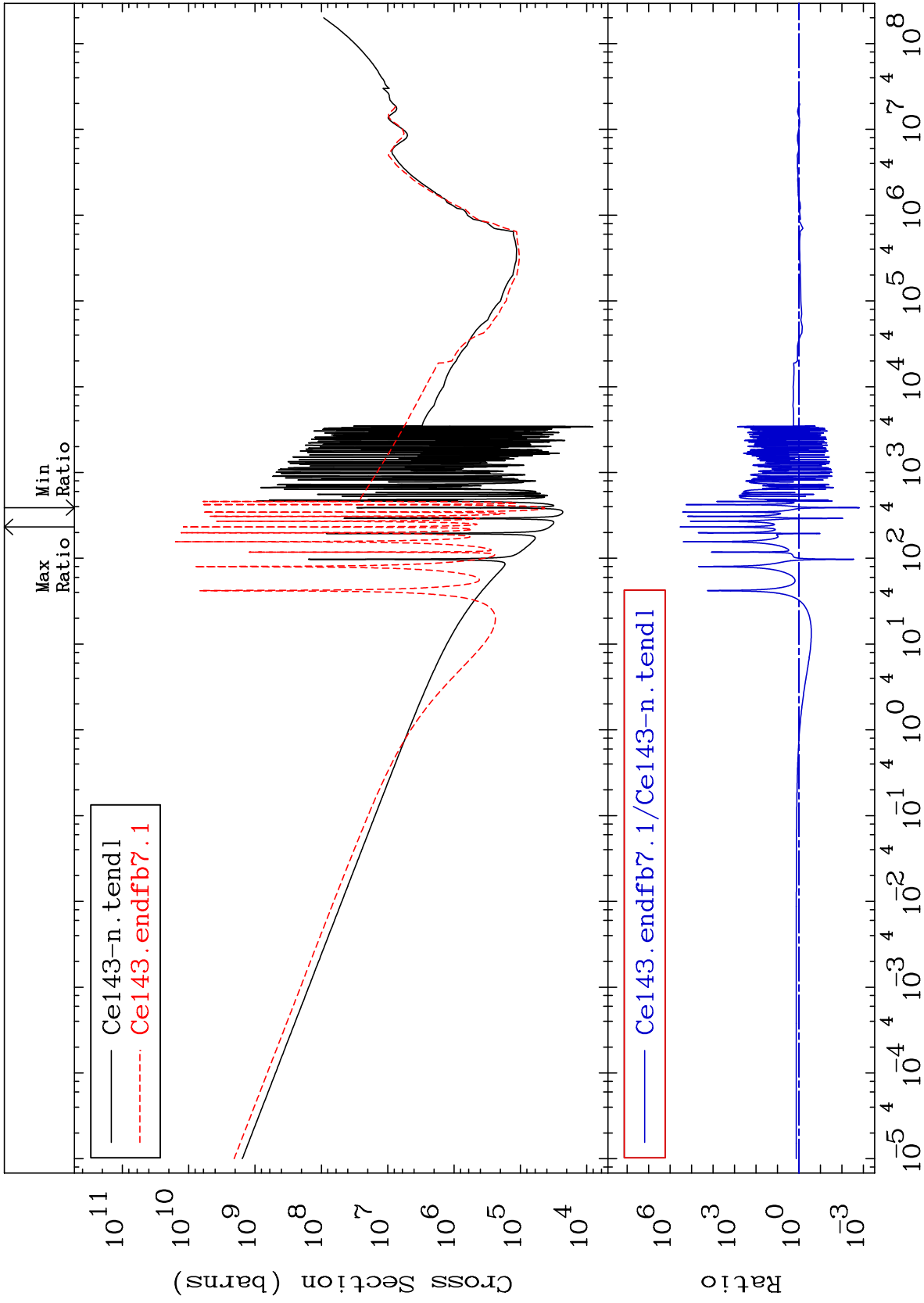
He-4 Production
Cross Section

58-Ce-143
-100.0 To 152.2 %





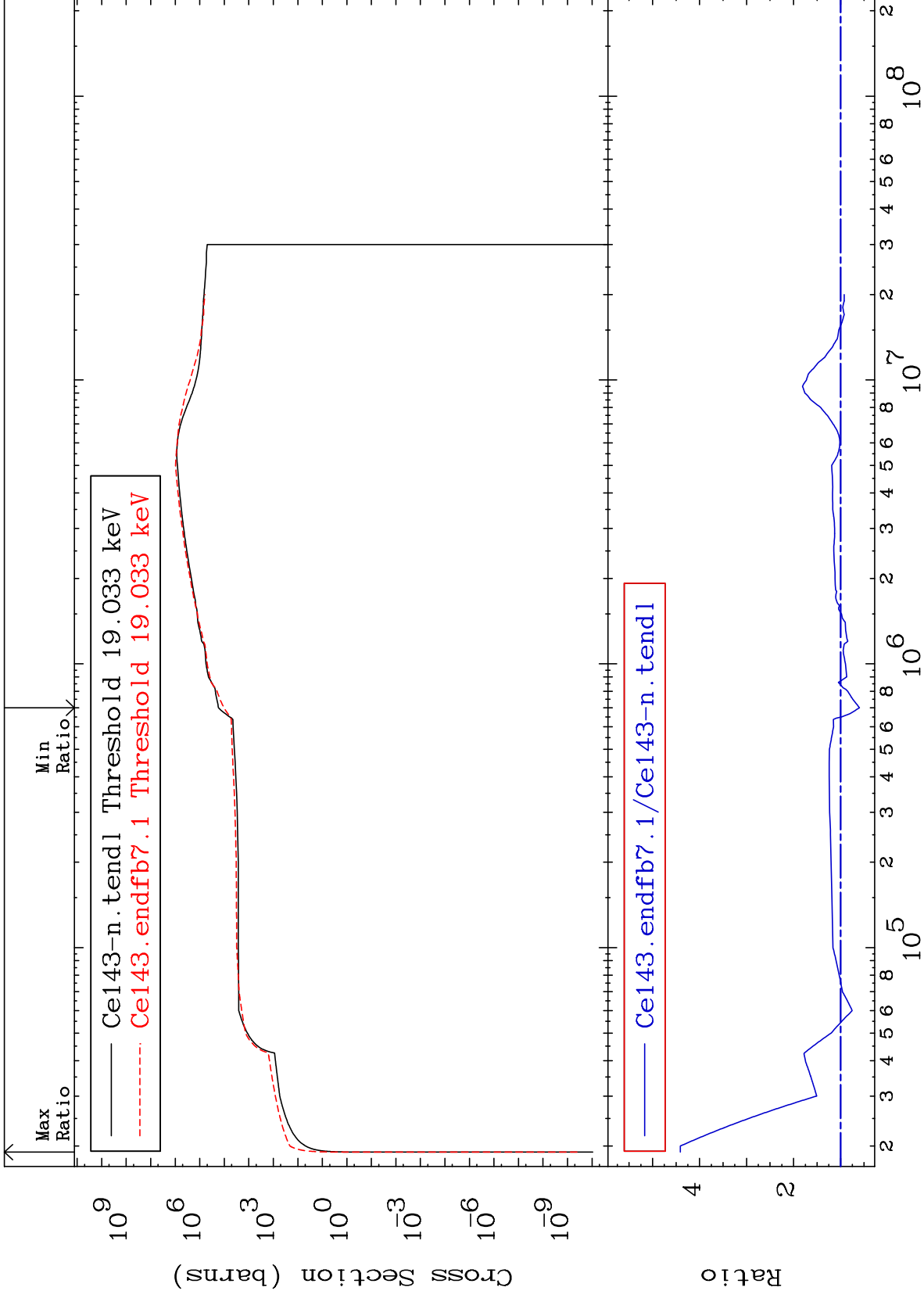




MAT 5846

Kerma inelastic (mt51-91)
Cross Section

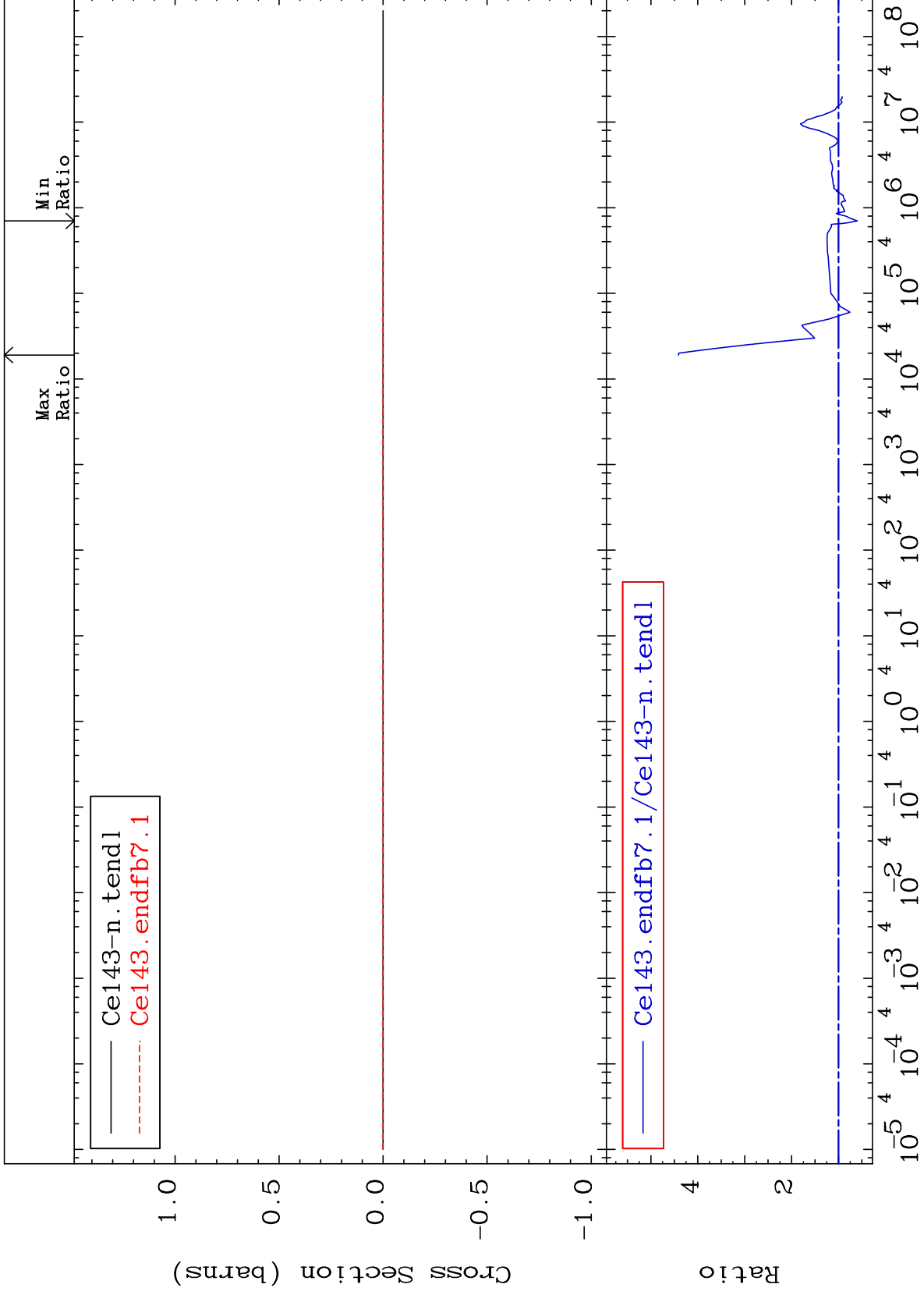
58-Ce-143
-40.07 To 340.9 %

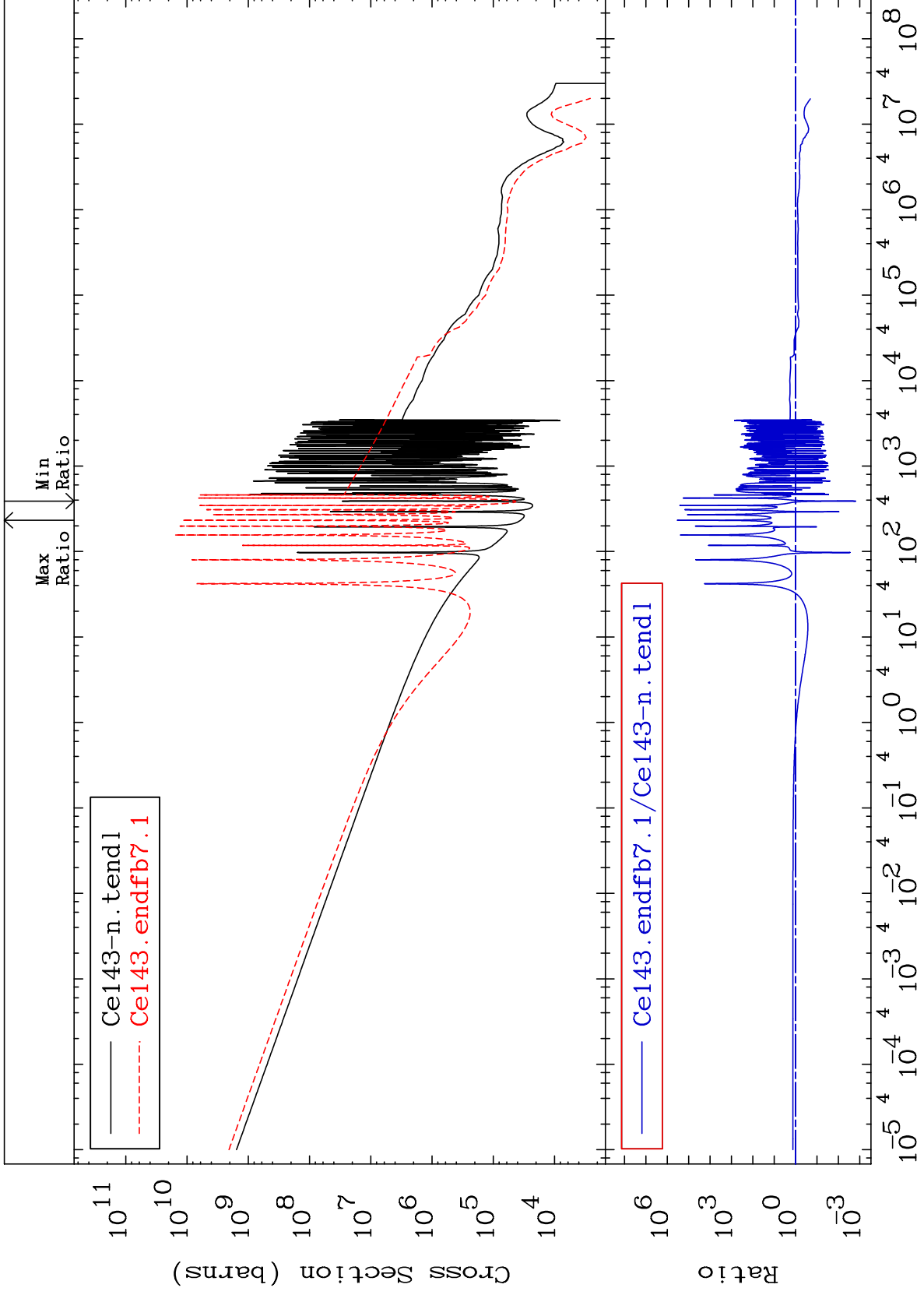


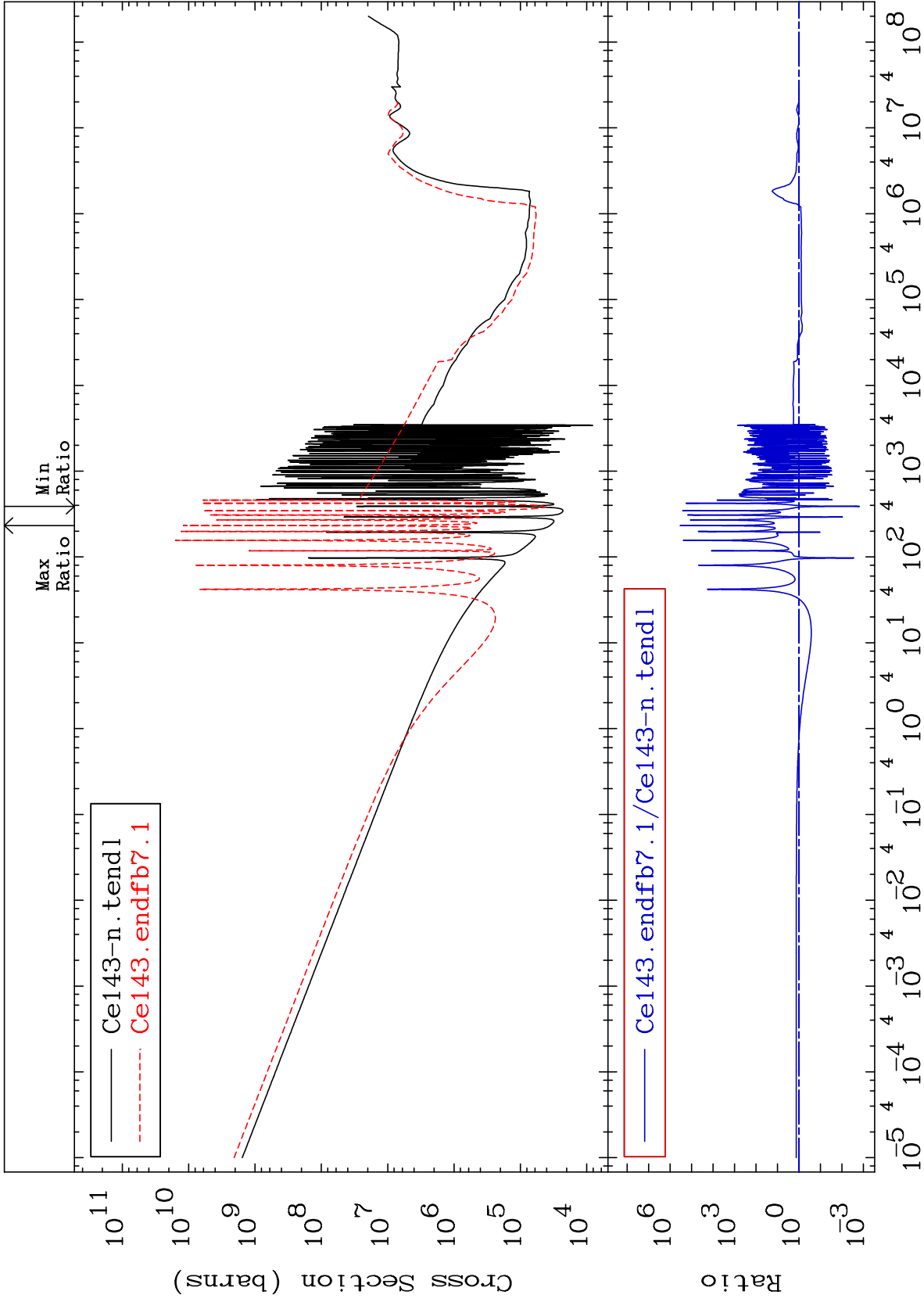
MAT 5846

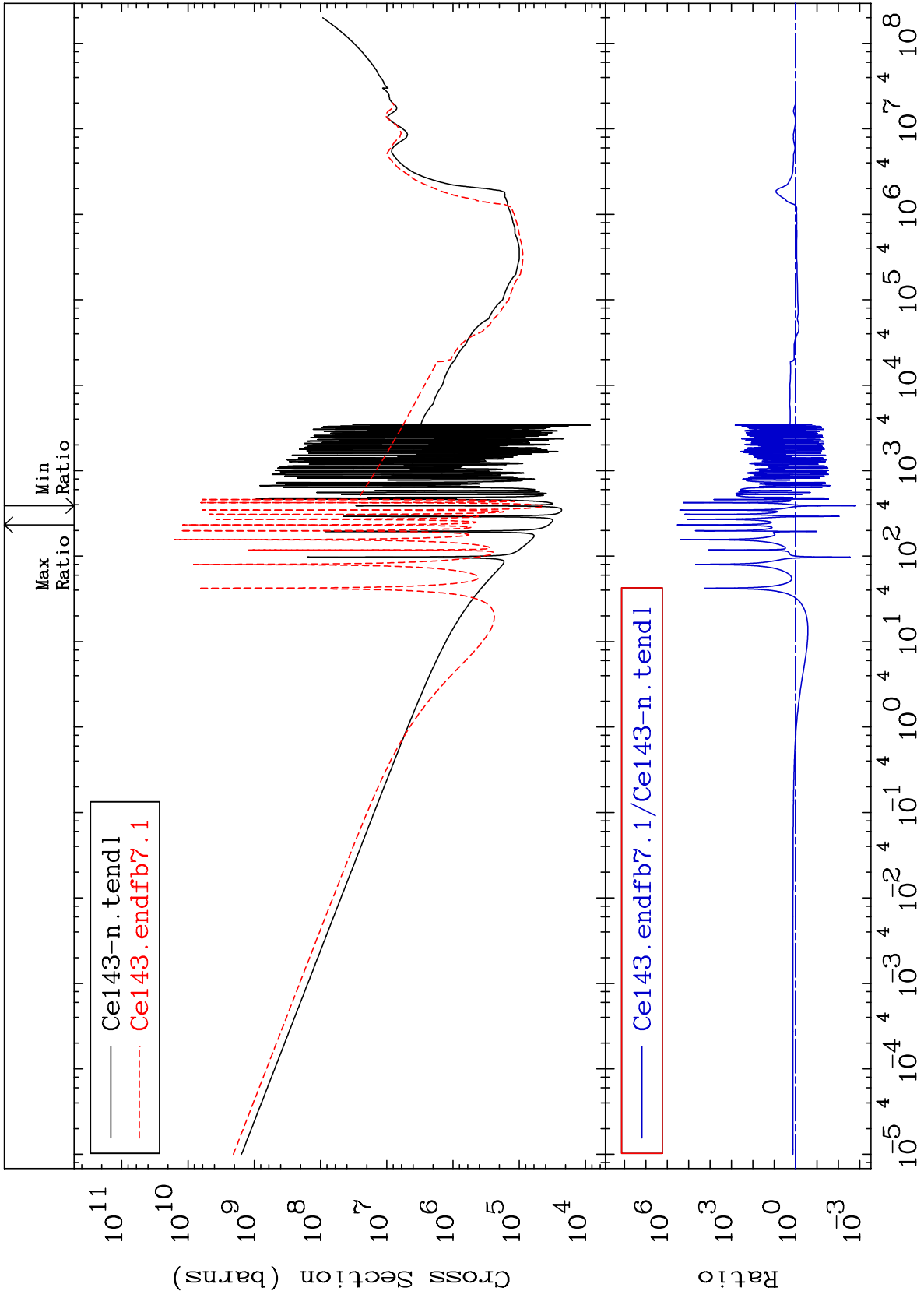
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

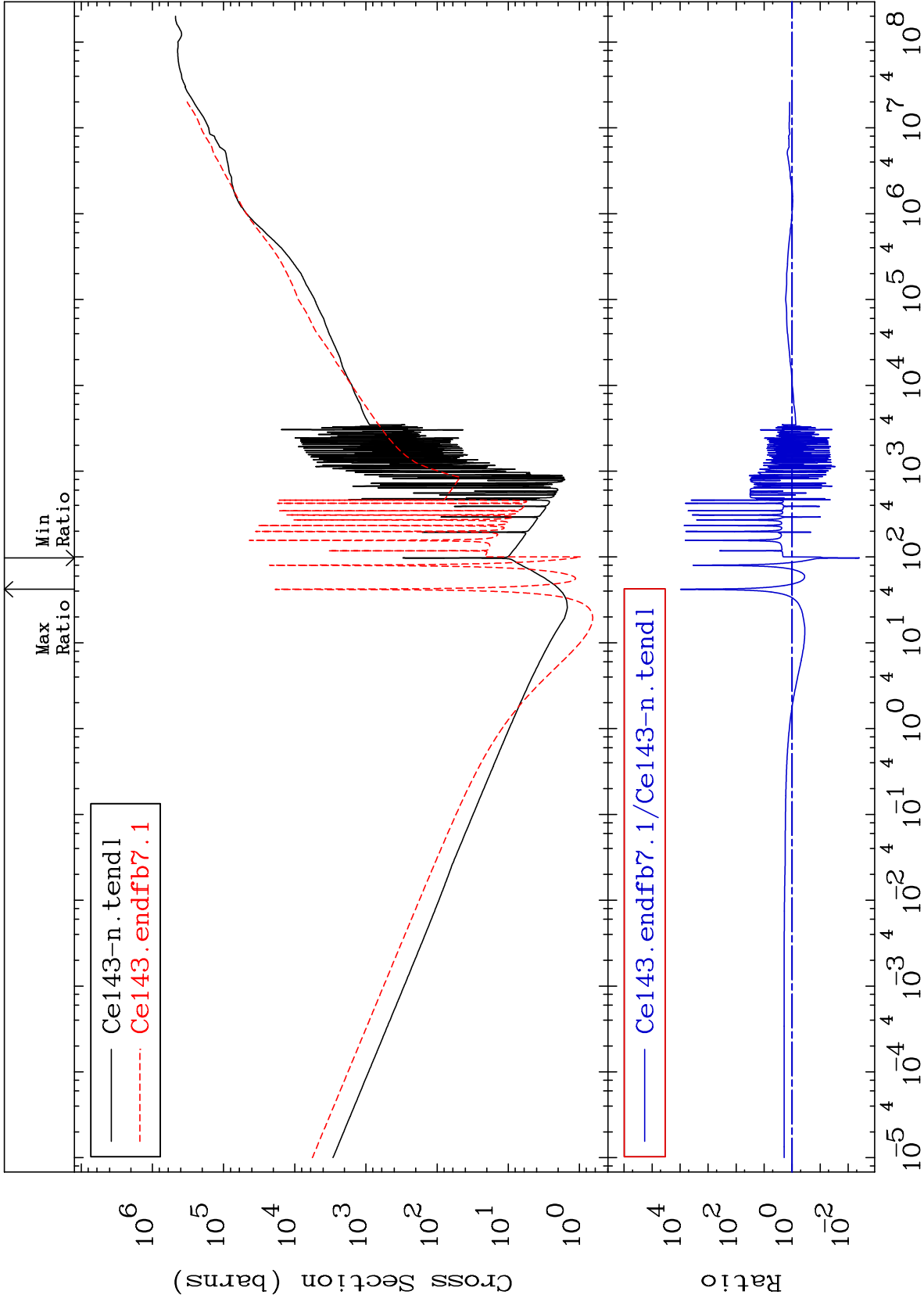
58-Ce-143
-40.07 To 340.9 %







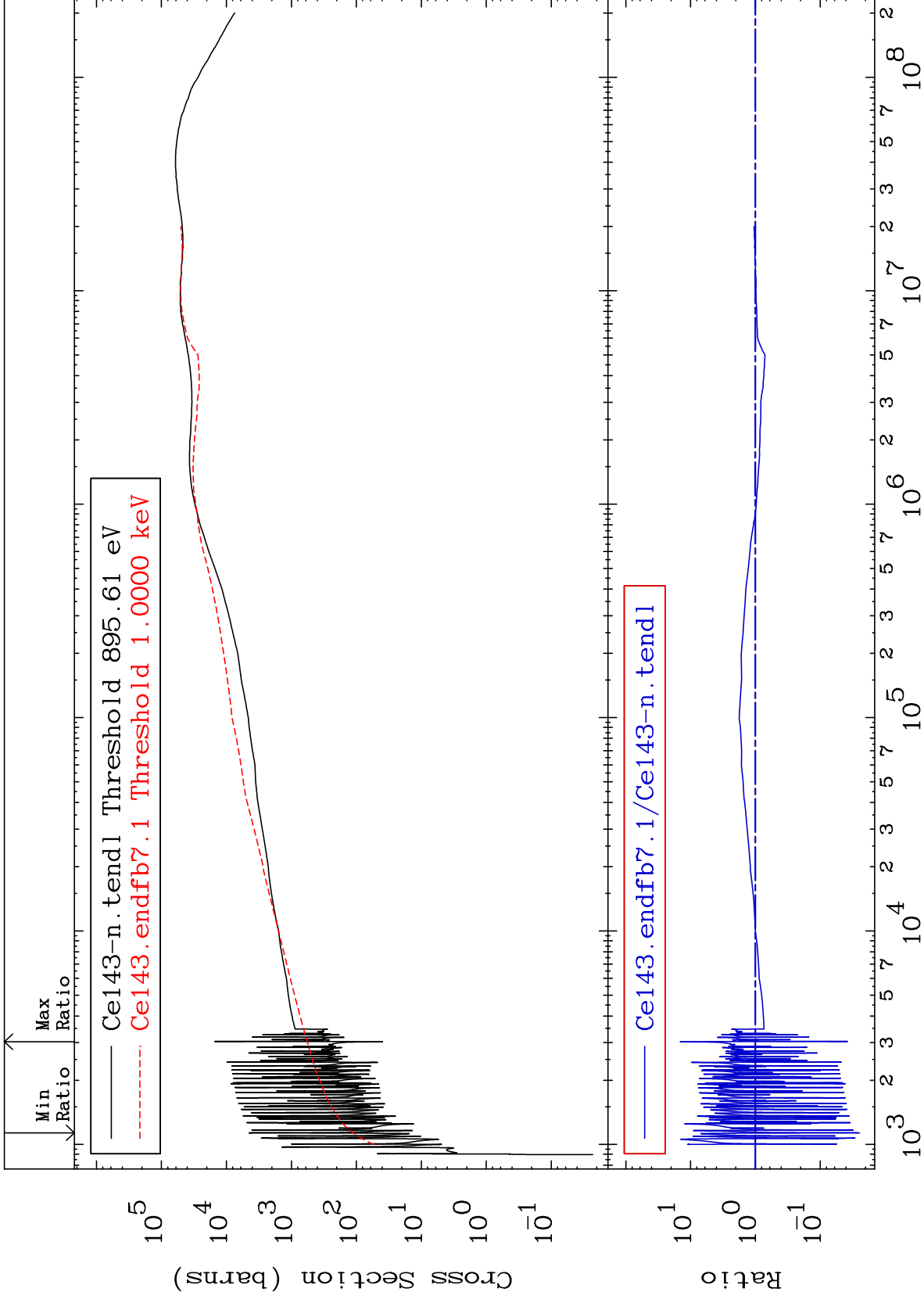




MAT 5846

Dpa elastic (mt2)
Cross Section

58-Ce-143
-97.52 To 1338. %



39

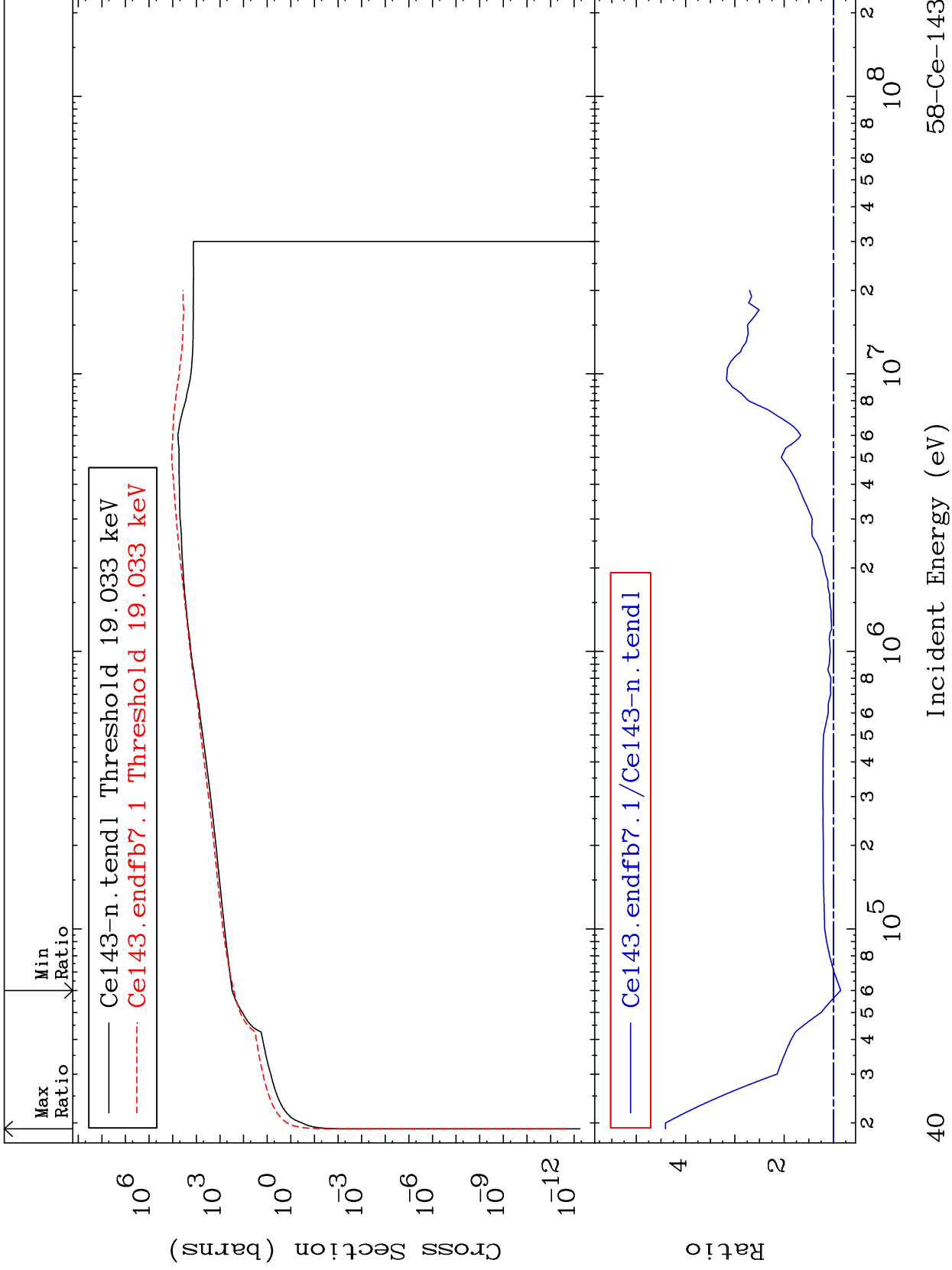
Incident Energy (eV)

58-Ce-143

MAT 5846

Dpa inelastic (mt51-91)
Cross Section

58-Ce-143
-14.71 To 340.9 %



40

Incident Energy (eV)

58-Ce-143

