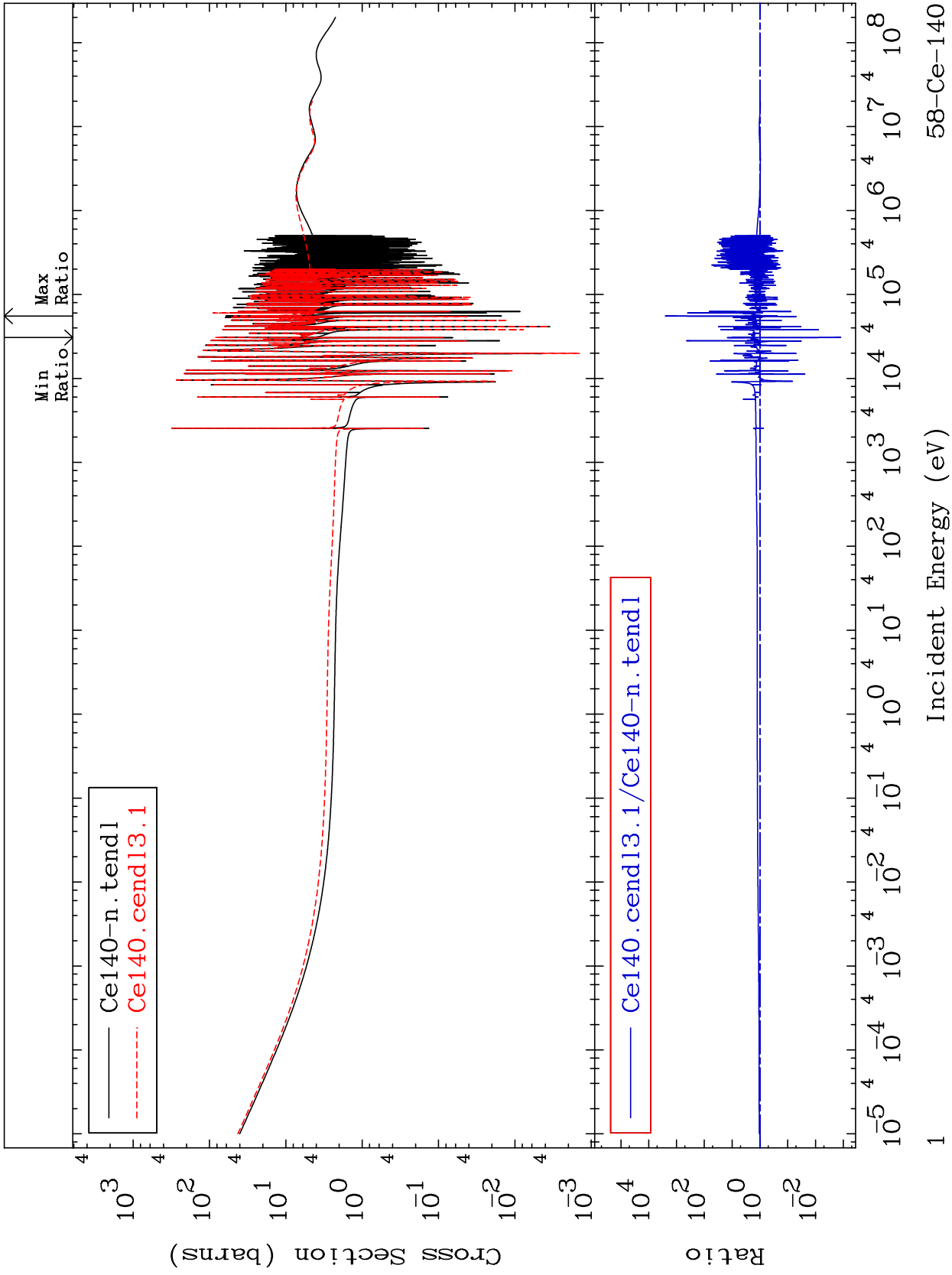


MAT 5837

Total
Cross Section

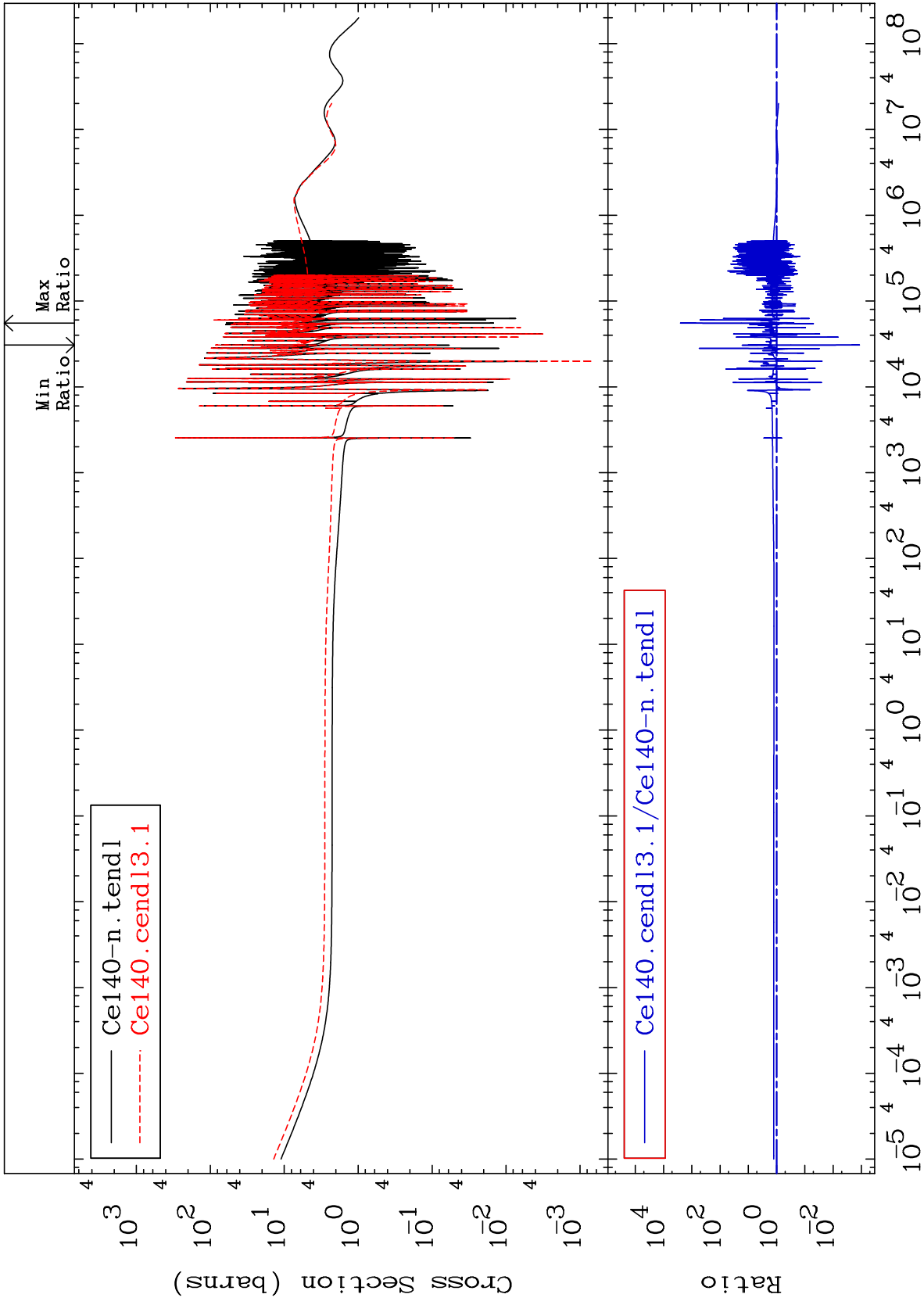
58-Ce-140
-99.88 To 9999. %



MAT 5837

Elastic
Cross Section

58-Ce-140
-99.88 To 9999. %



Incident Energy (eV)

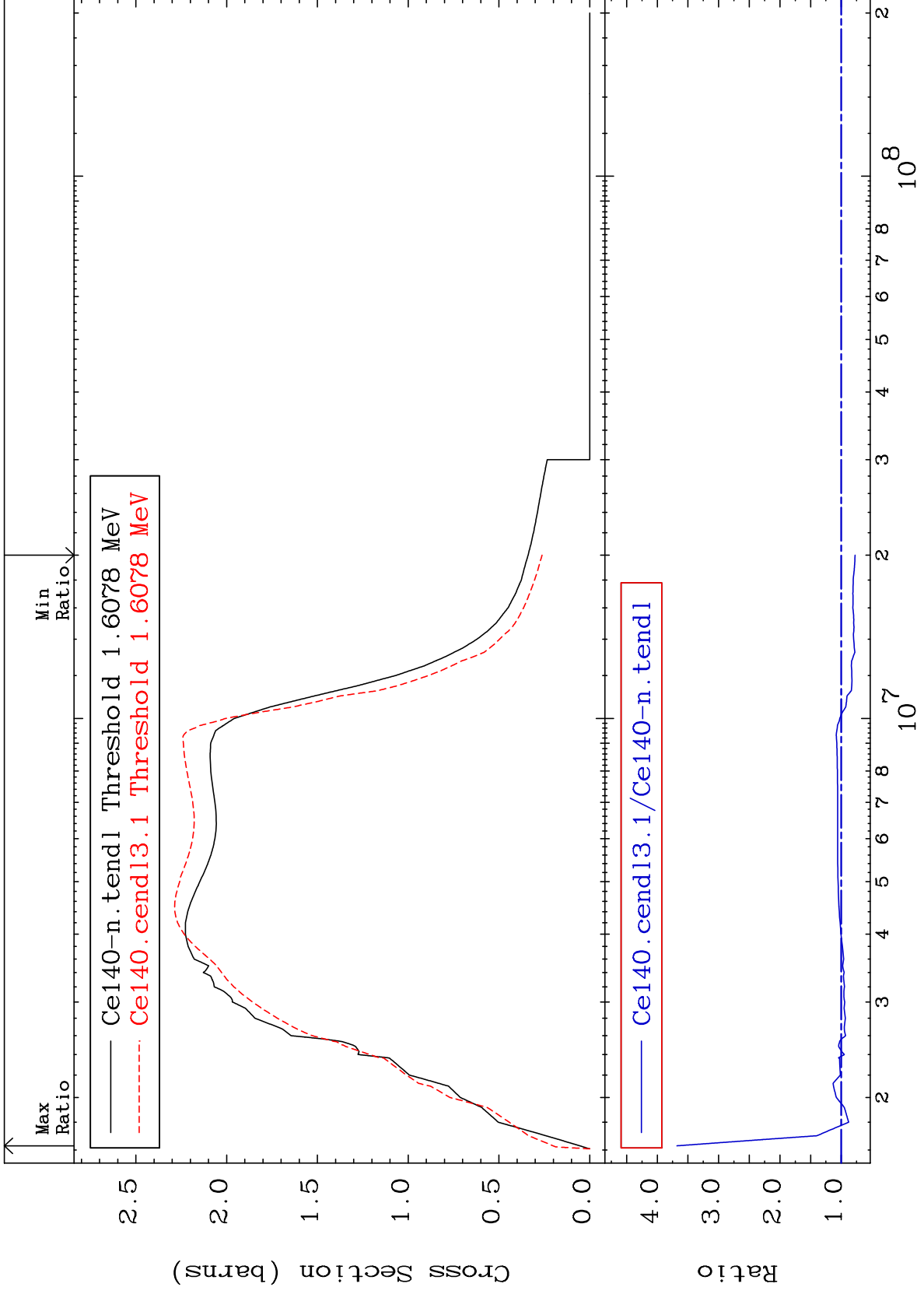
58-Ce-140

2

MAT 5837

Inelastic
Cross Section

58-Ce-140
-22.54 To 268.0 %



3

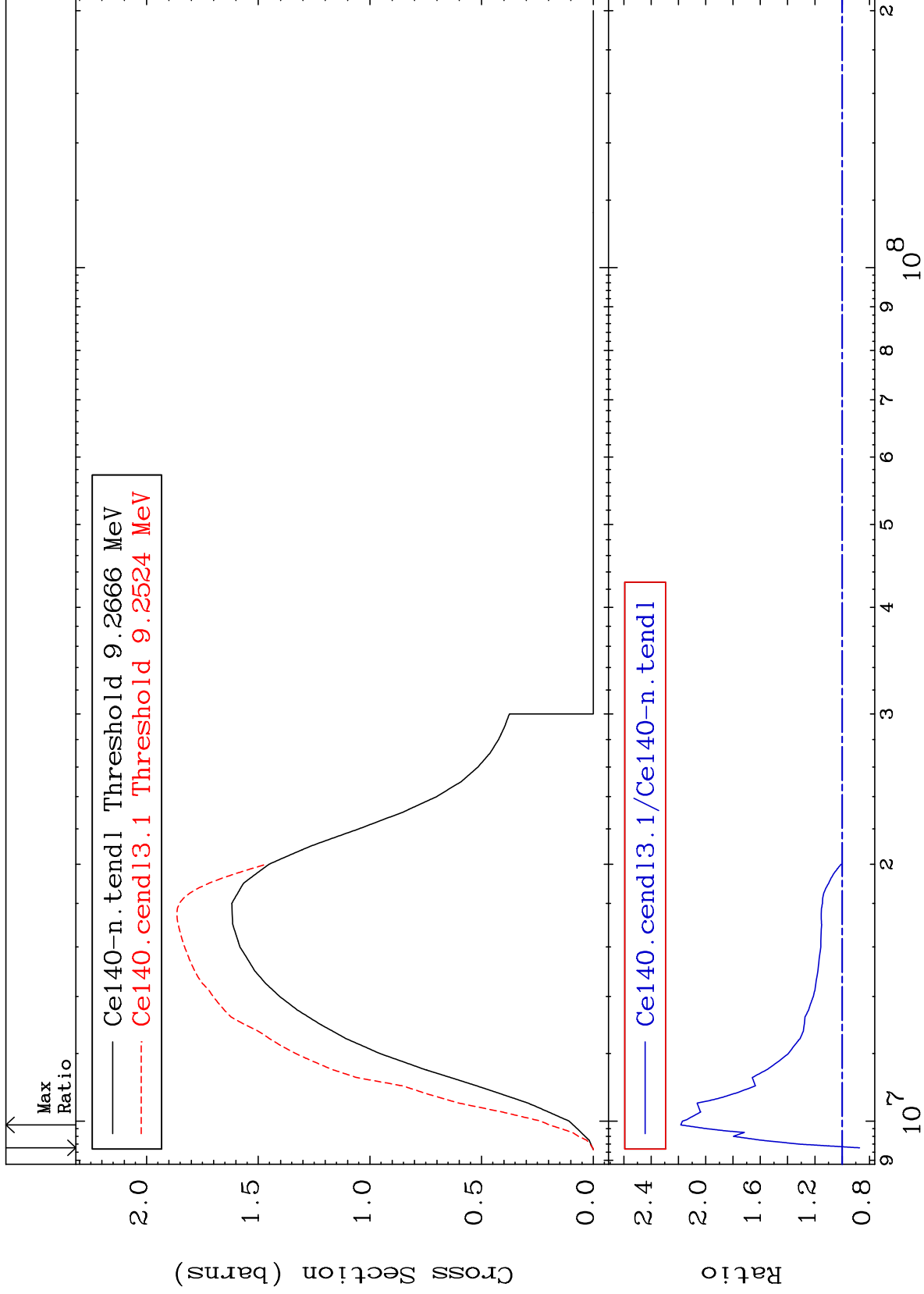
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,2n)
Cross Section

58-Ce-140
-12.71 To 118.3 %



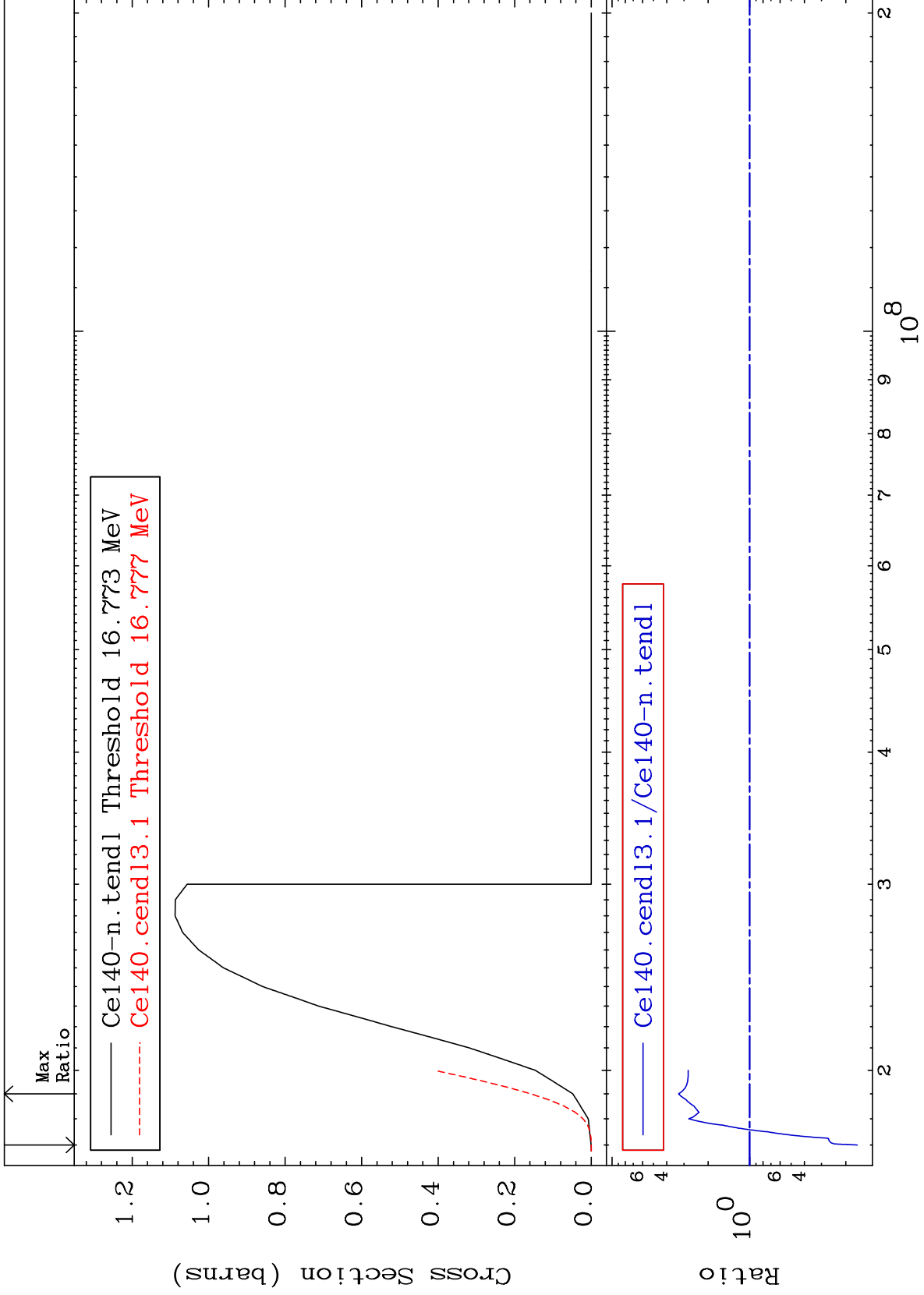
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,3n)
Cross Section

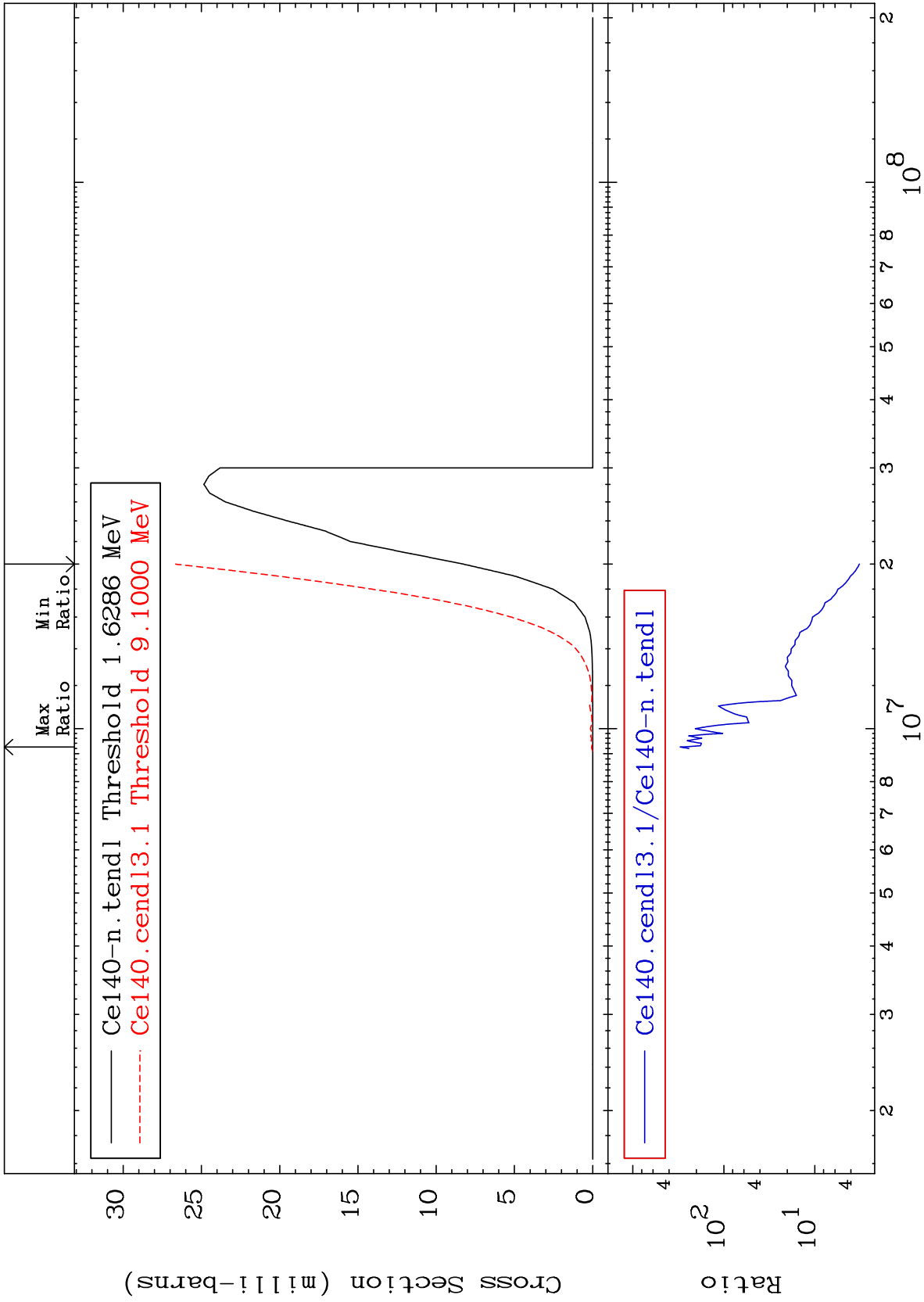
58-Ce-140
-83.49 To 228.0 %



MAT 5837

58-Ce-140
222.7 To 9999. %

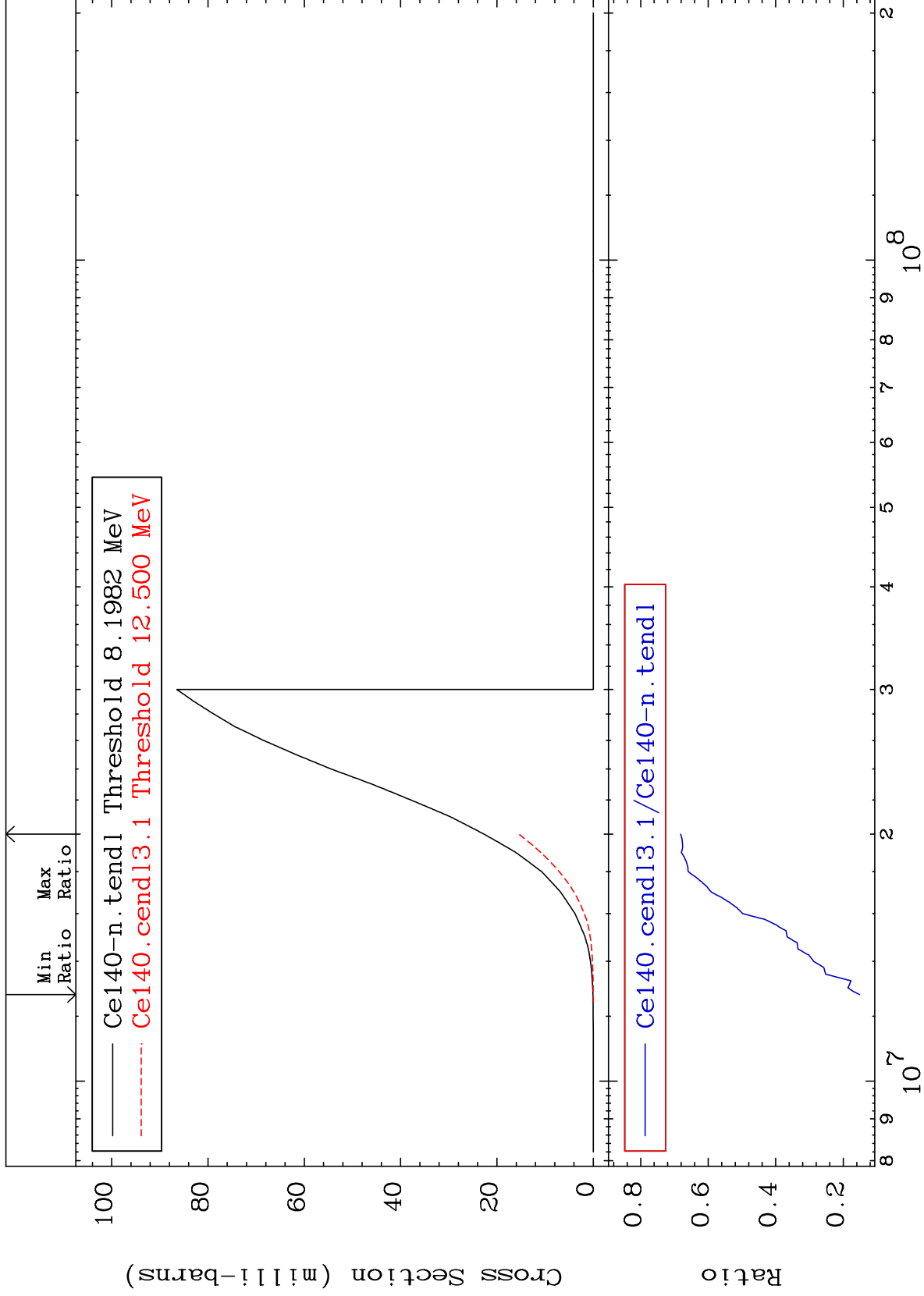
(n, n') α
Cross Section



MAT 5837

(n,n') p
Cross Section

58-Ce-140
-84.83 To -31.88%



7

Incident Energy (eV)

58-Ce-140

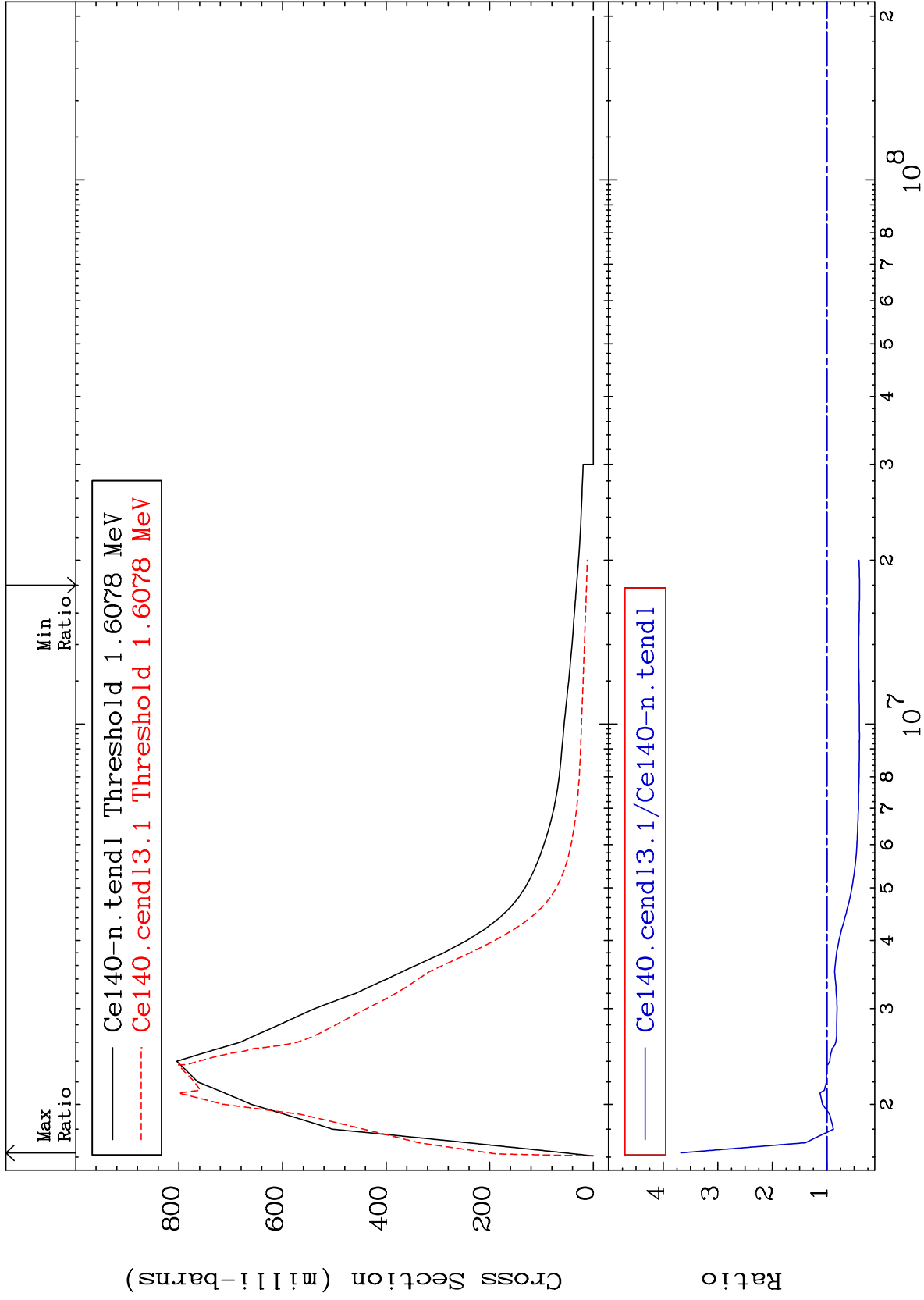
MAT 5837

1.596 MeV (n,n') Level

58-Ce-140

-59.85 To 268.0 %

Cross Section



8

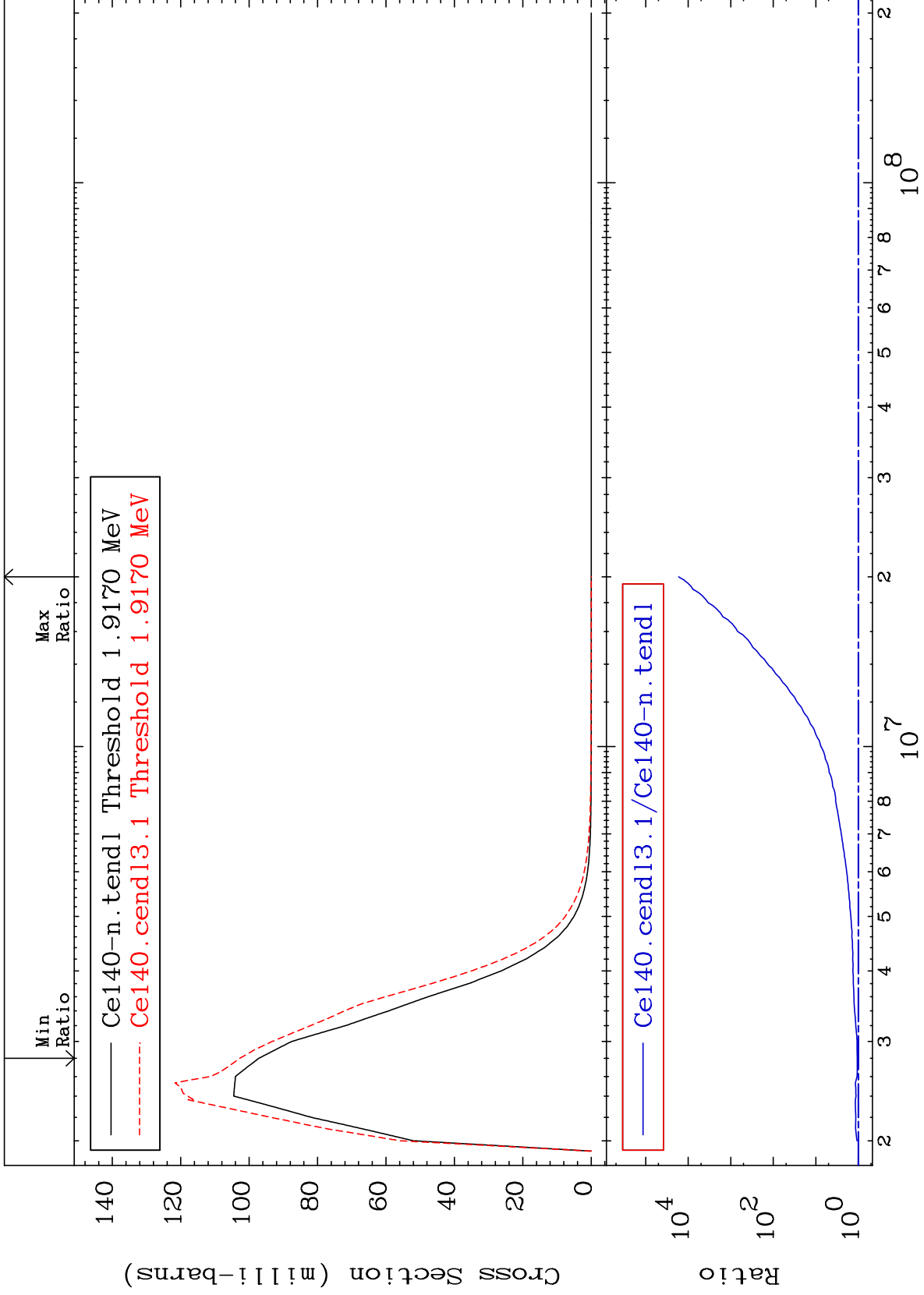
Incident Energy (eV)

58-Ce-140

MAT 5837

1.903 MeV (n,n') Level
Cross Section

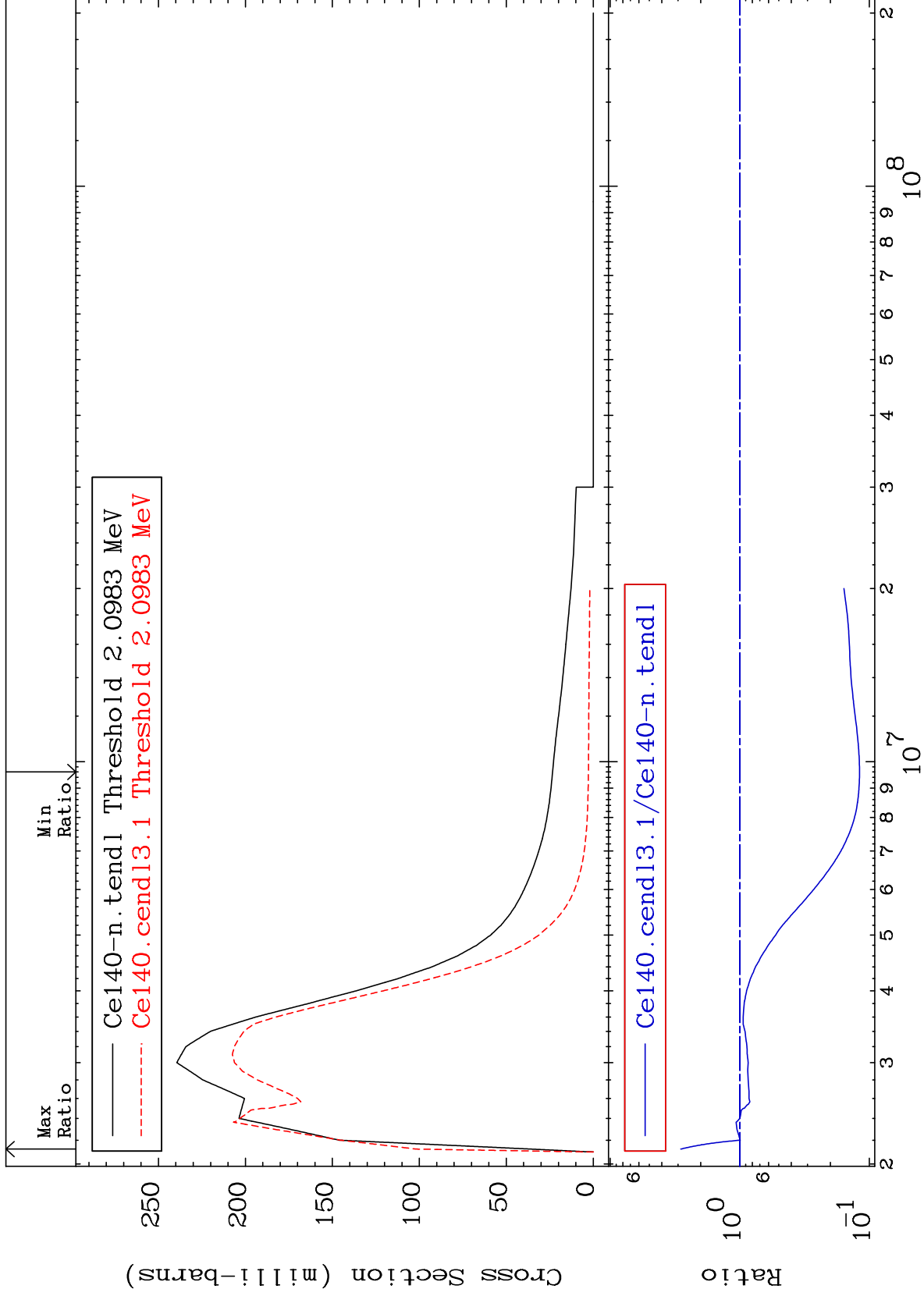
58-Ce-140
5.726 To 9999. %



MAT 5837

2.083 MeV (n,n') Level
Cross Section

58-Ce-140
-88.09 To 185.5 %



10

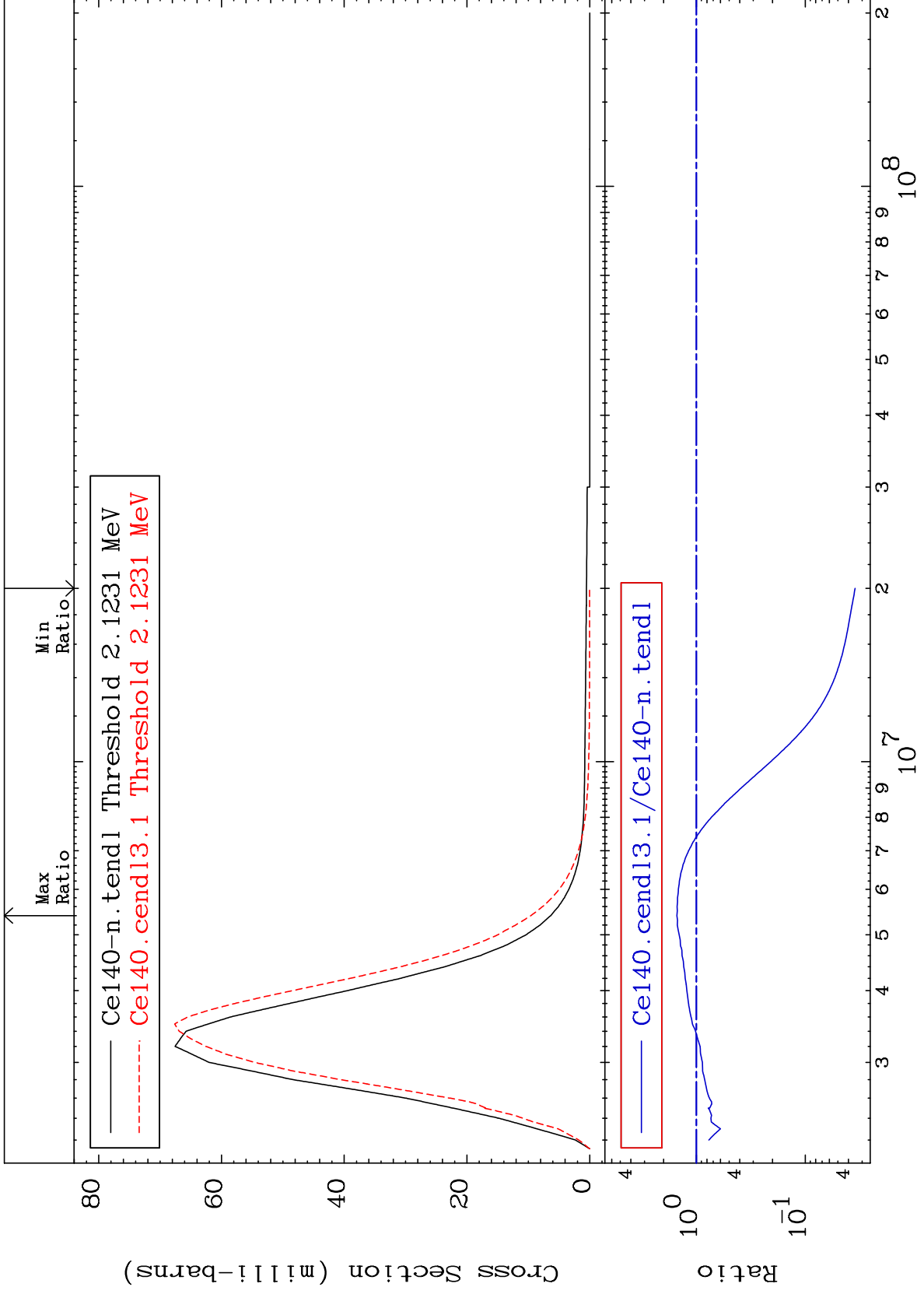
Incident Energy (eV)

58-Ce-140

MAT 5837

2.108 MeV (n,n') Level
Cross Section

58-Ce-140
-96.52 To 50.97 %



11

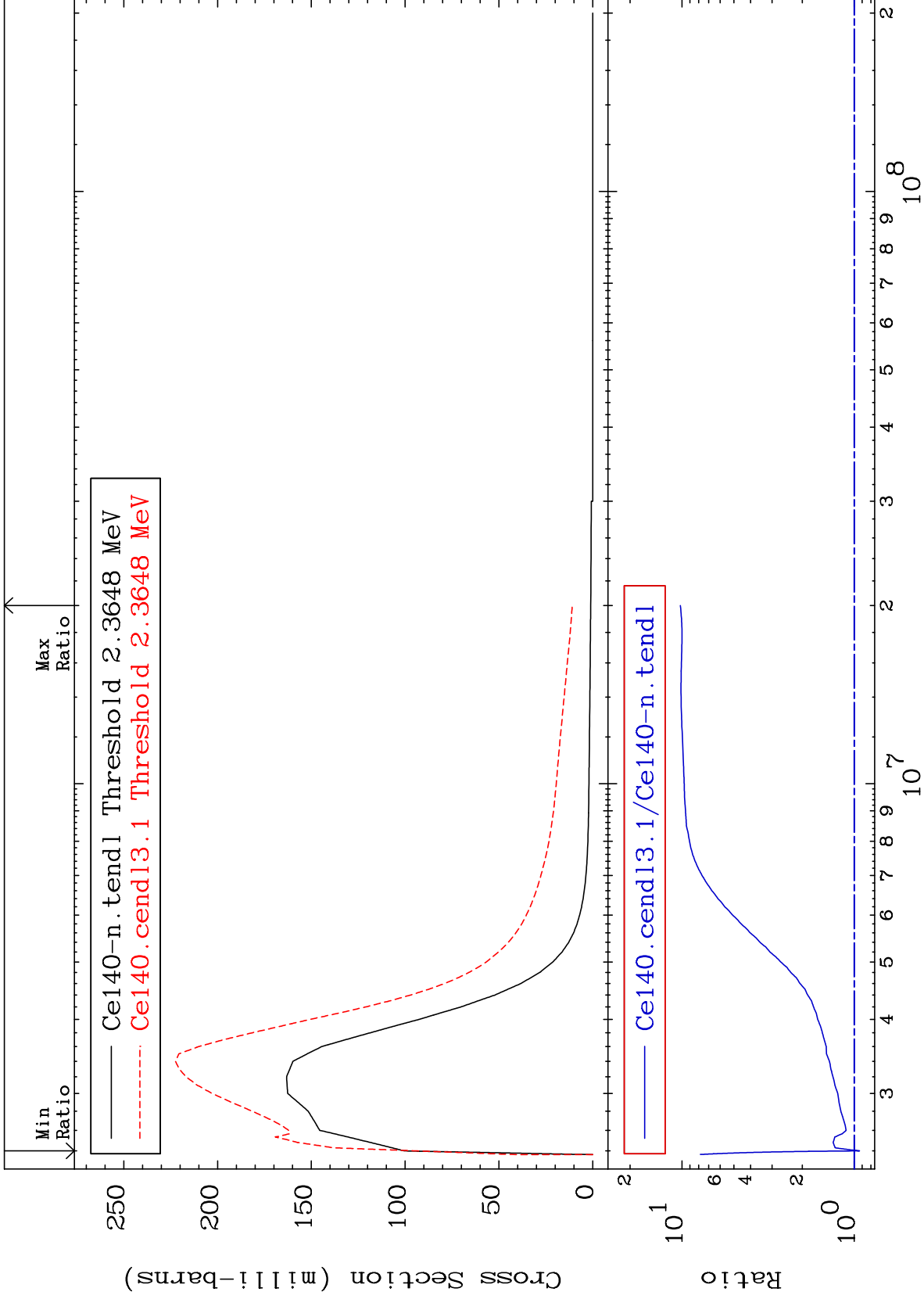
Incident Energy (eV)

58-Ce-140

MAT 5837

2.348 MeV (n,n') Level
Cross Section

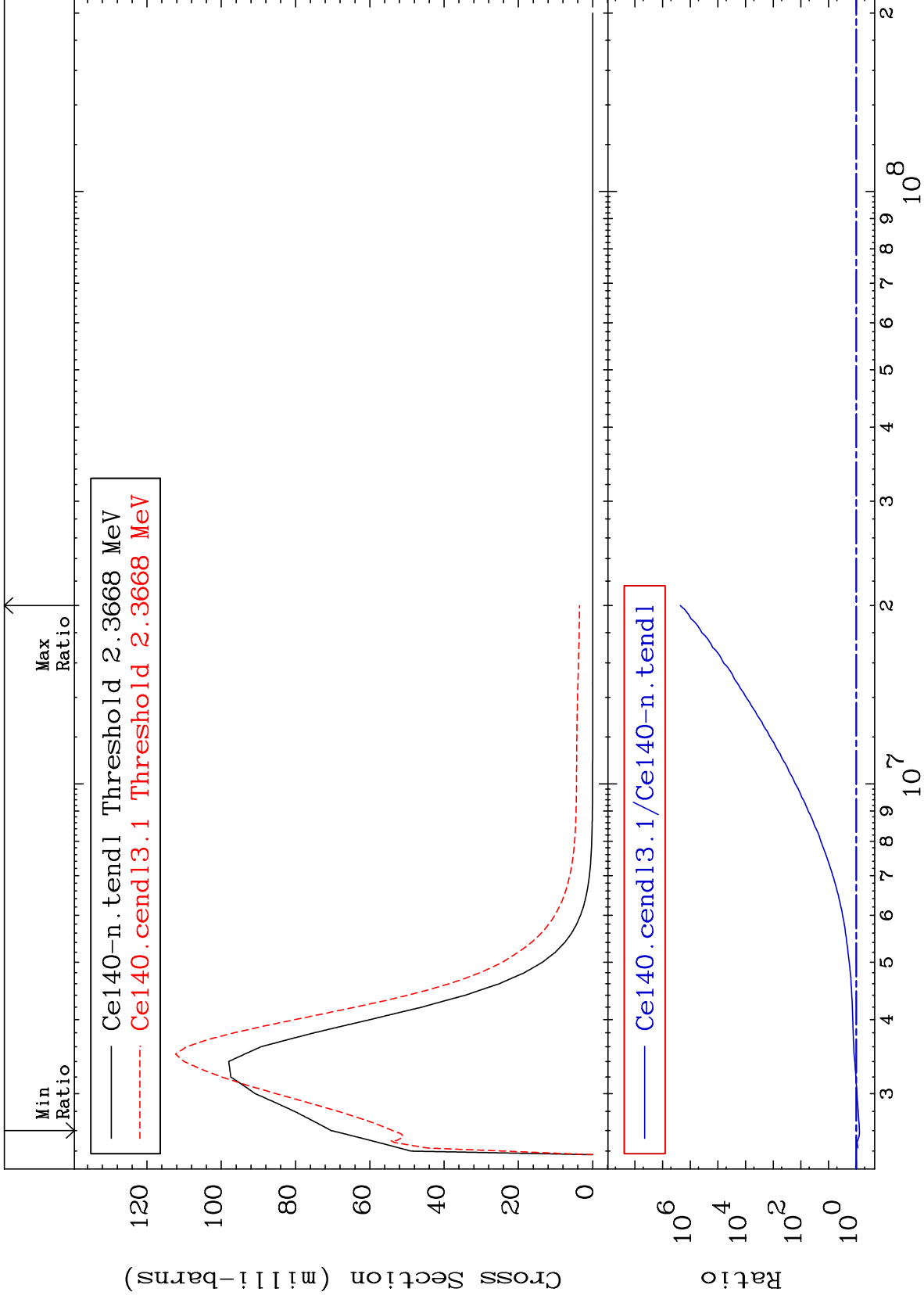
58-Ce-140
-6.721 To 921.6 %



MAT 5837

2.350 MeV (n,n') Level
Cross Section

58-Ce-140
-23.38 To 9999. %



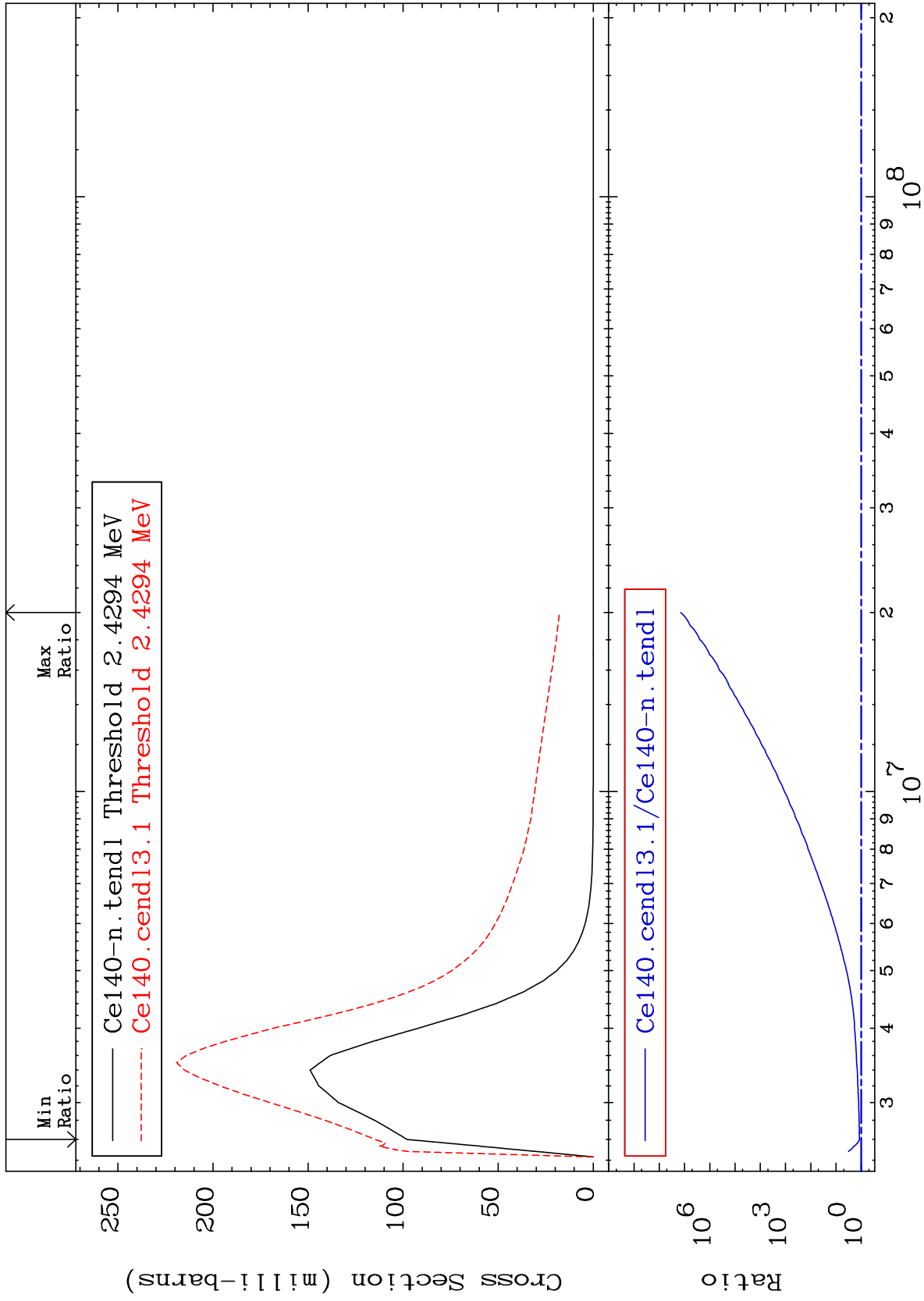
MAT 5837

2.412 MeV (n,n') Level

58-Ce-140

17.06 To 9999. %

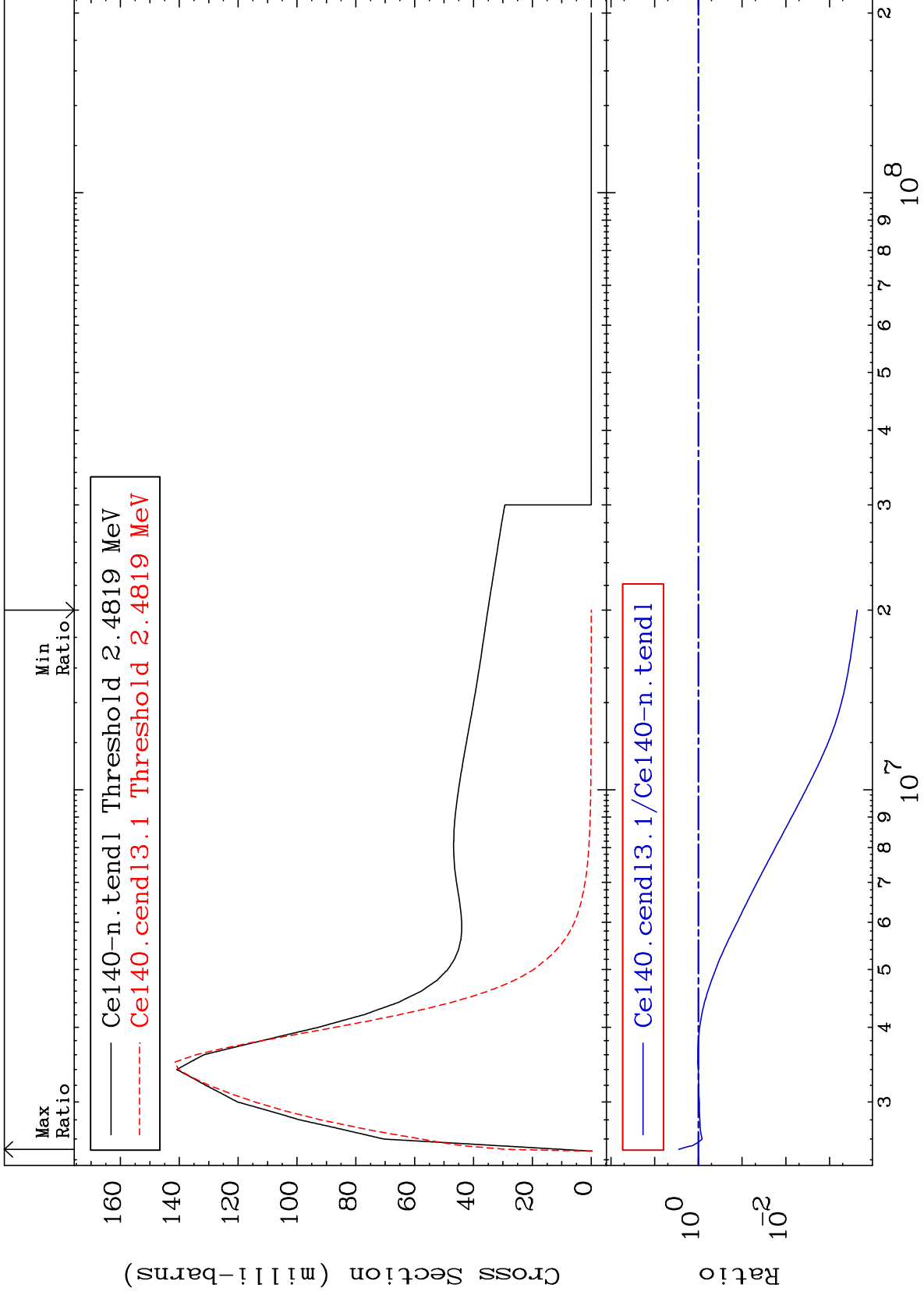
Cross Section



MAT 5837

2.464 MeV (n,n') Level
Cross Section

58-Ce-140
-99.98 To 182.4 %



15

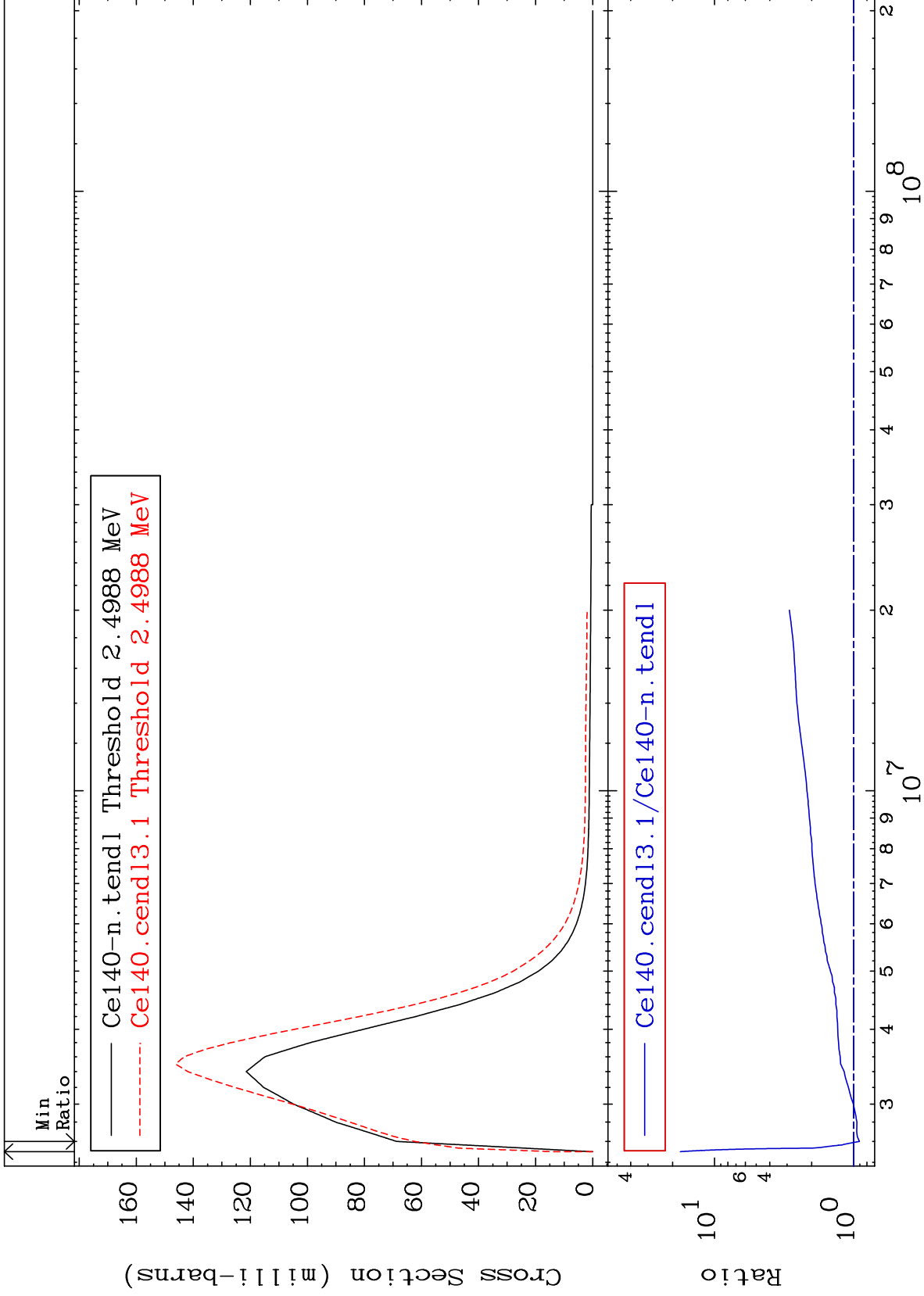
Incident Energy (eV)

58-Ce-140

MAT 5837

2.481 MeV (n,n') Level
Cross Section

58-Ce-140
-9.277 To 1657. %



16

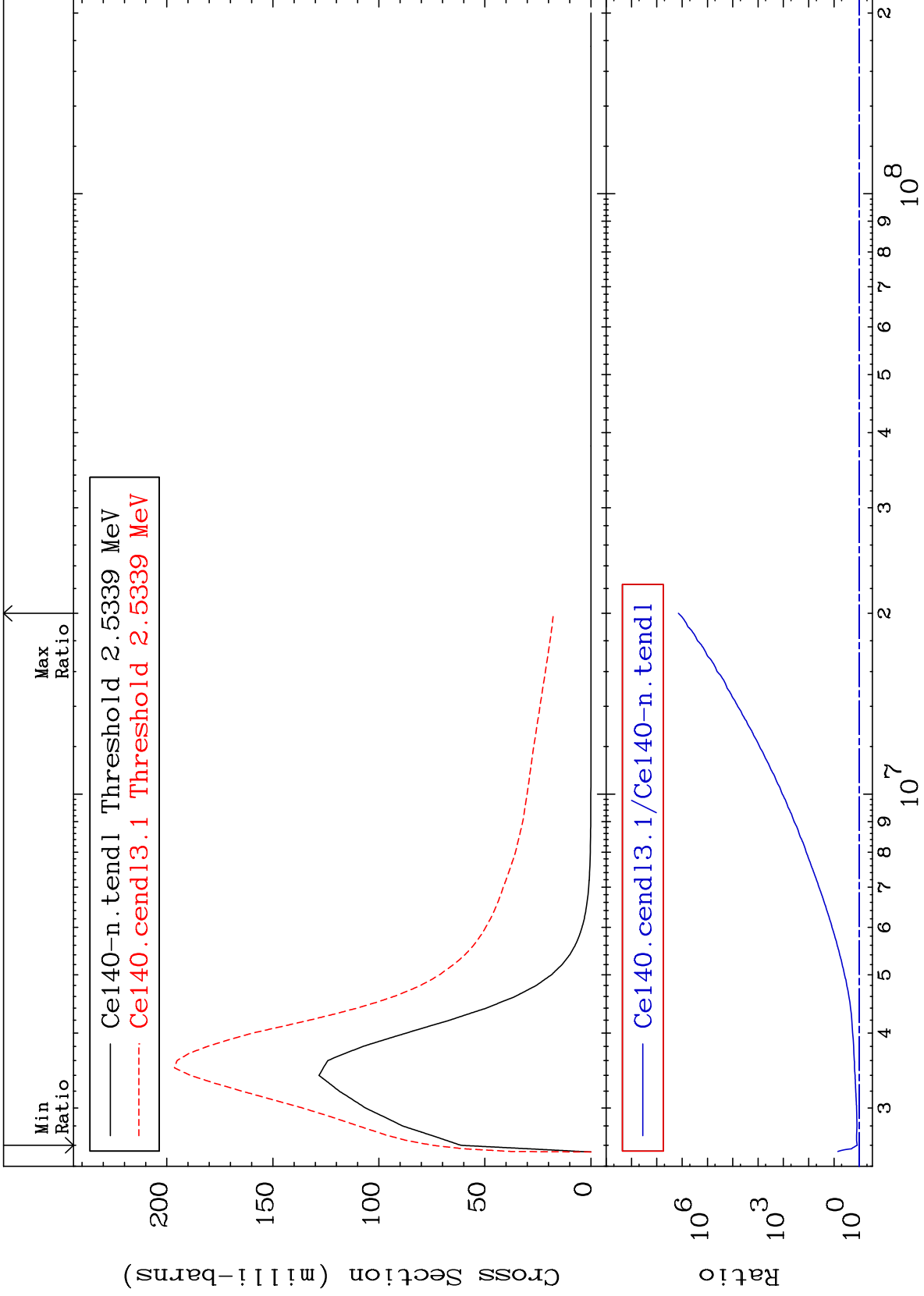
Incident Energy (eV)

58-Ce-140

MAT 5837

2.516 MeV (n,n') Level
Cross Section

58-Ce-140
21.60 To 9999. %



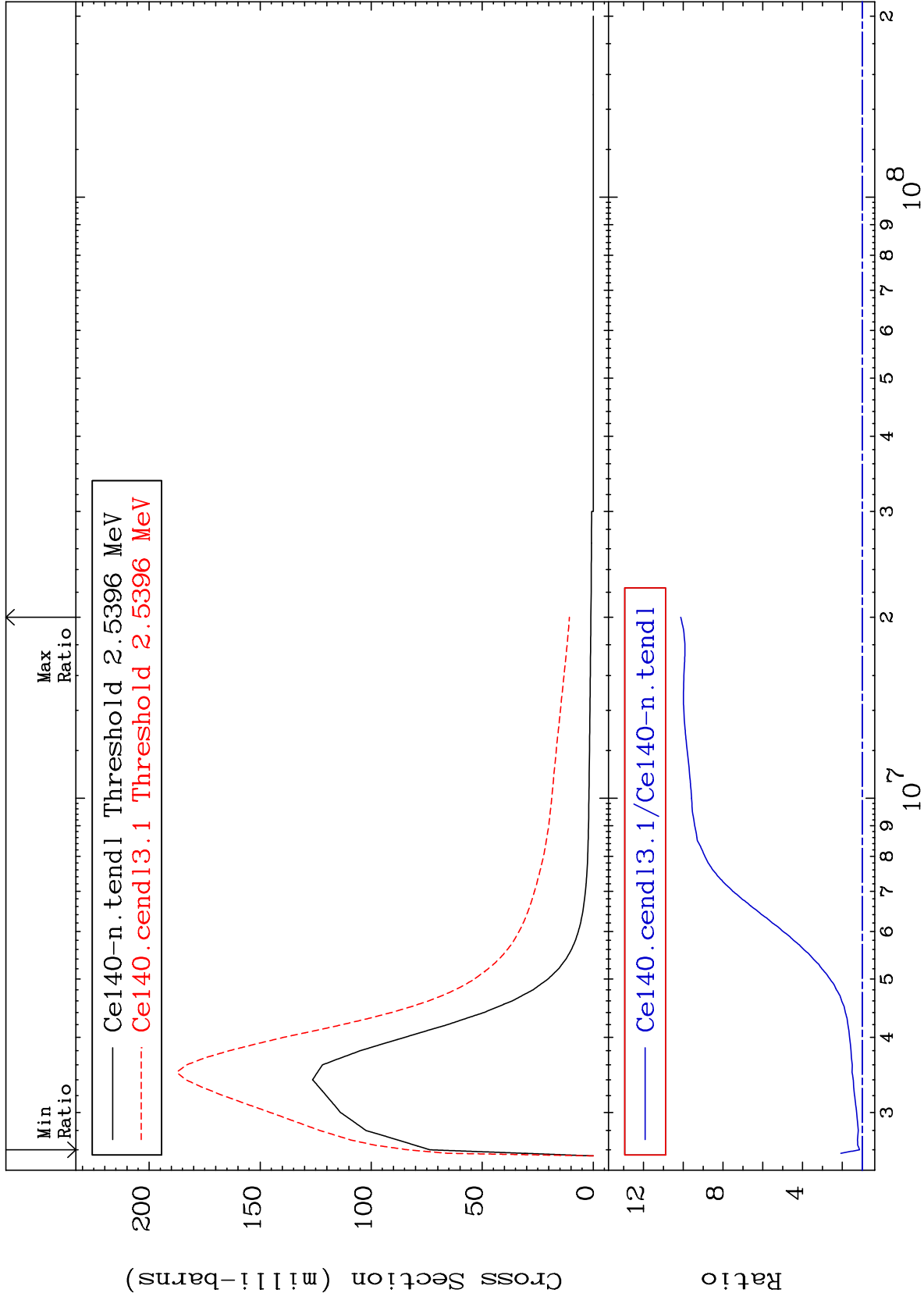
MAT 5837

2.521 MeV (n,n') Level

58-Ce-140

13.58 To 912.6 %

Cross Section



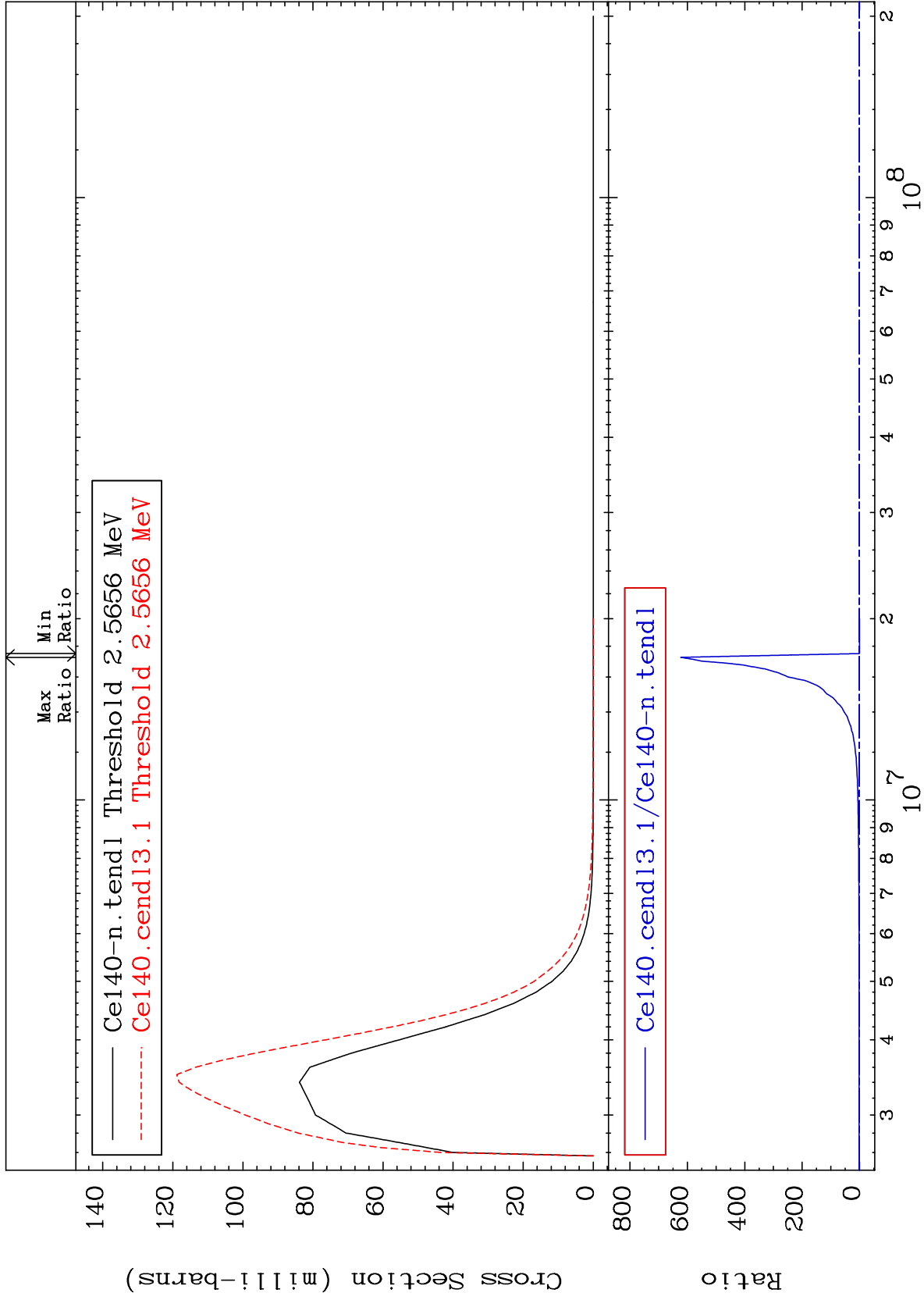
MAT 5837

2.547 MeV (n,n') Level

58-Ce-140

-100.0 To 9999. %

Cross Section



19

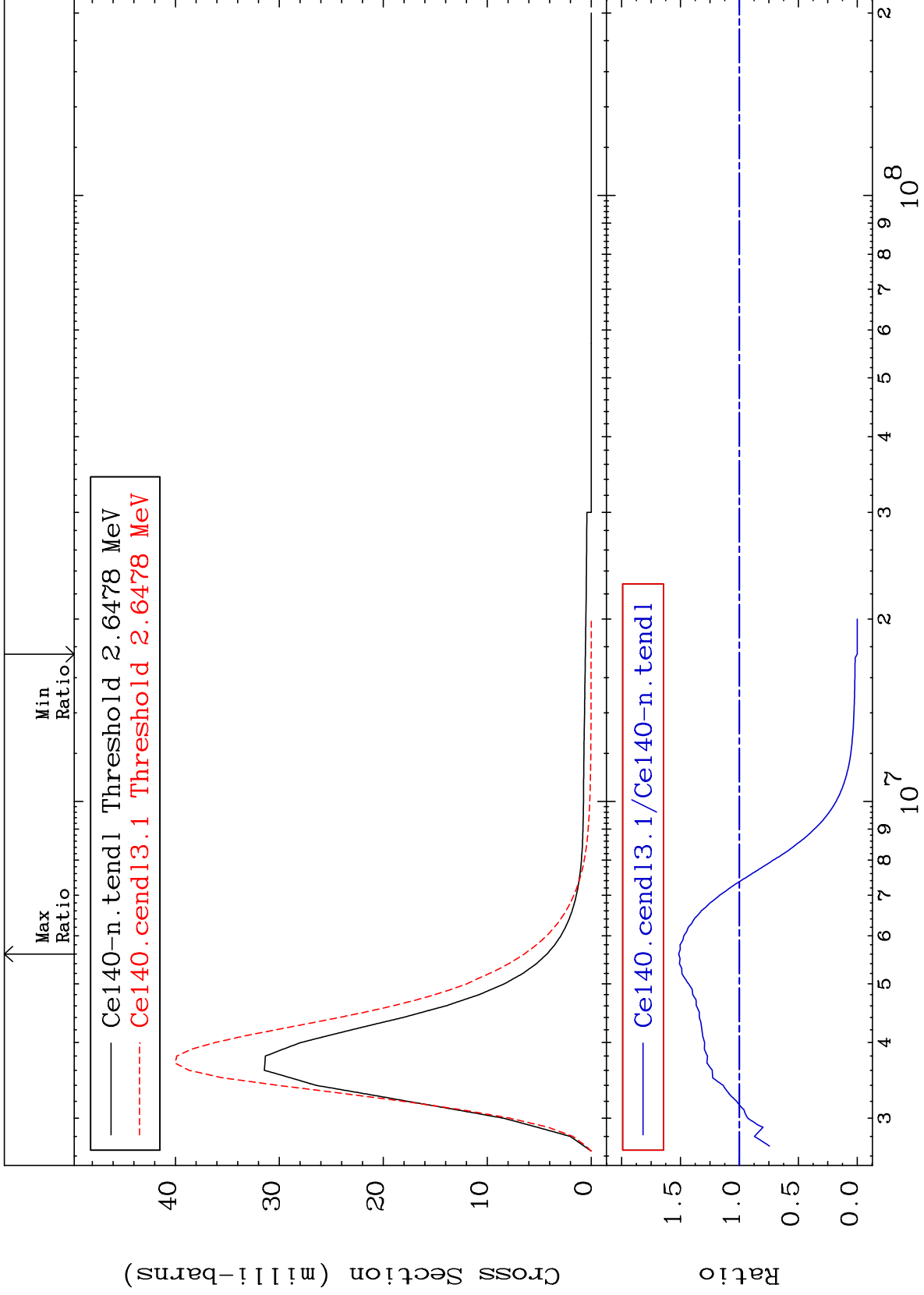
Incident Energy (eV)

58-Ce-140

MAT 5837

2.629 MeV (n,n') Level
Cross Section

58-Ce-140
-100.0 To 51.58 %



20

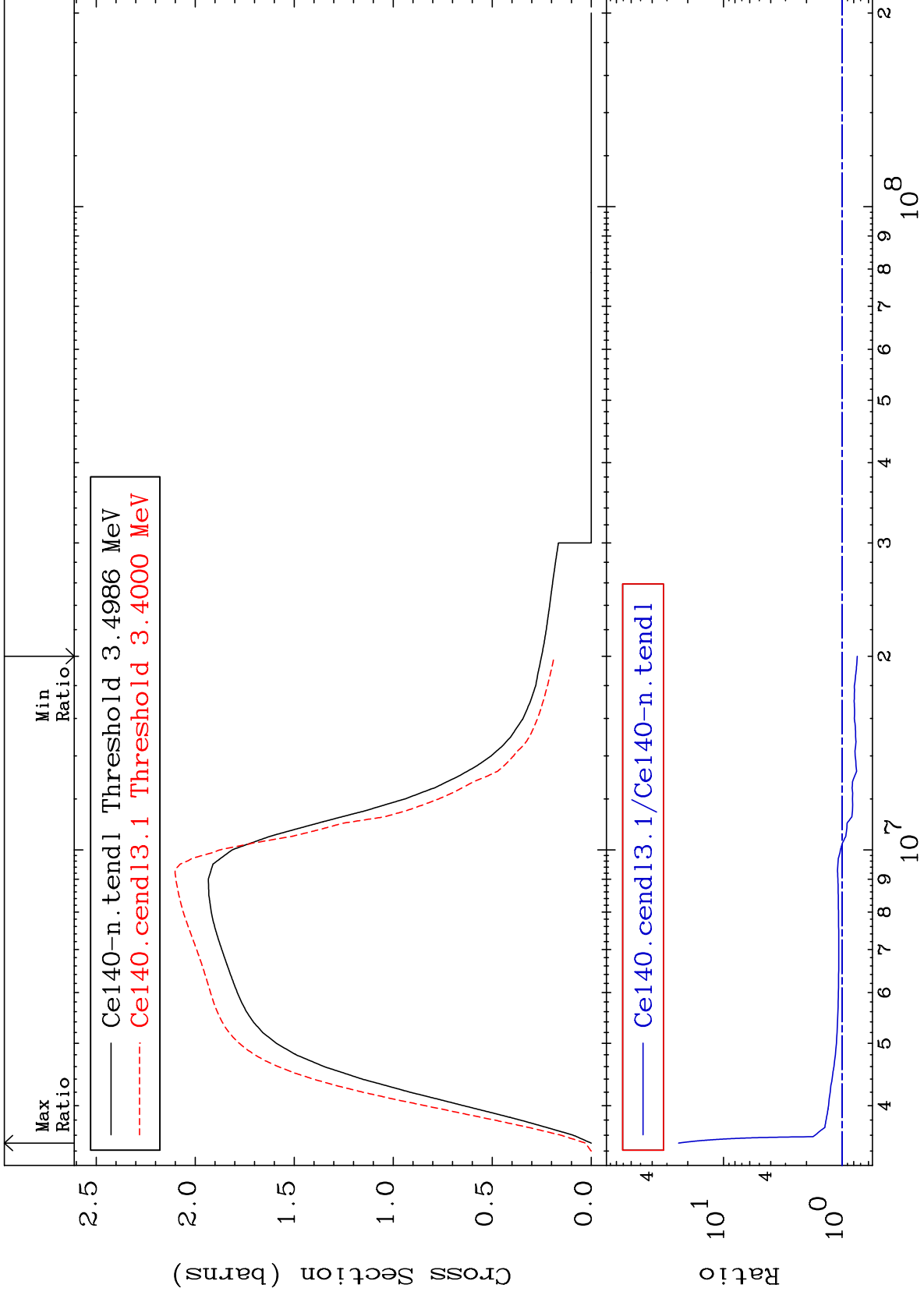
Incident Energy (eV)

58-Ce-140

MAT 5837

(n, n') Continuum
Cross Section

58-Ce-140
-25.45 To 2289. %



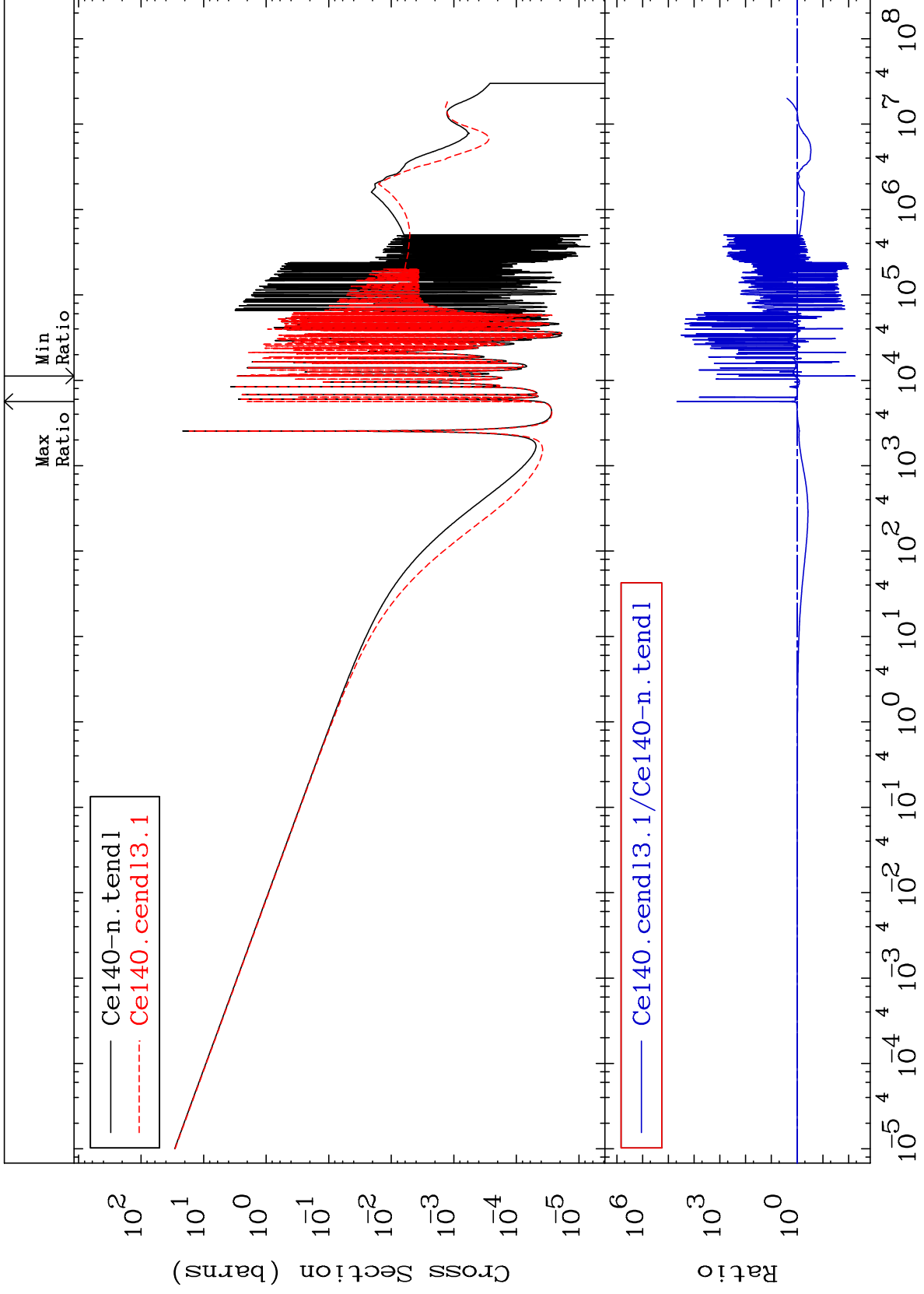
MAT 5837

(n, γ)

58-Ce-140

Cross Section

-99.44 To 9999. %



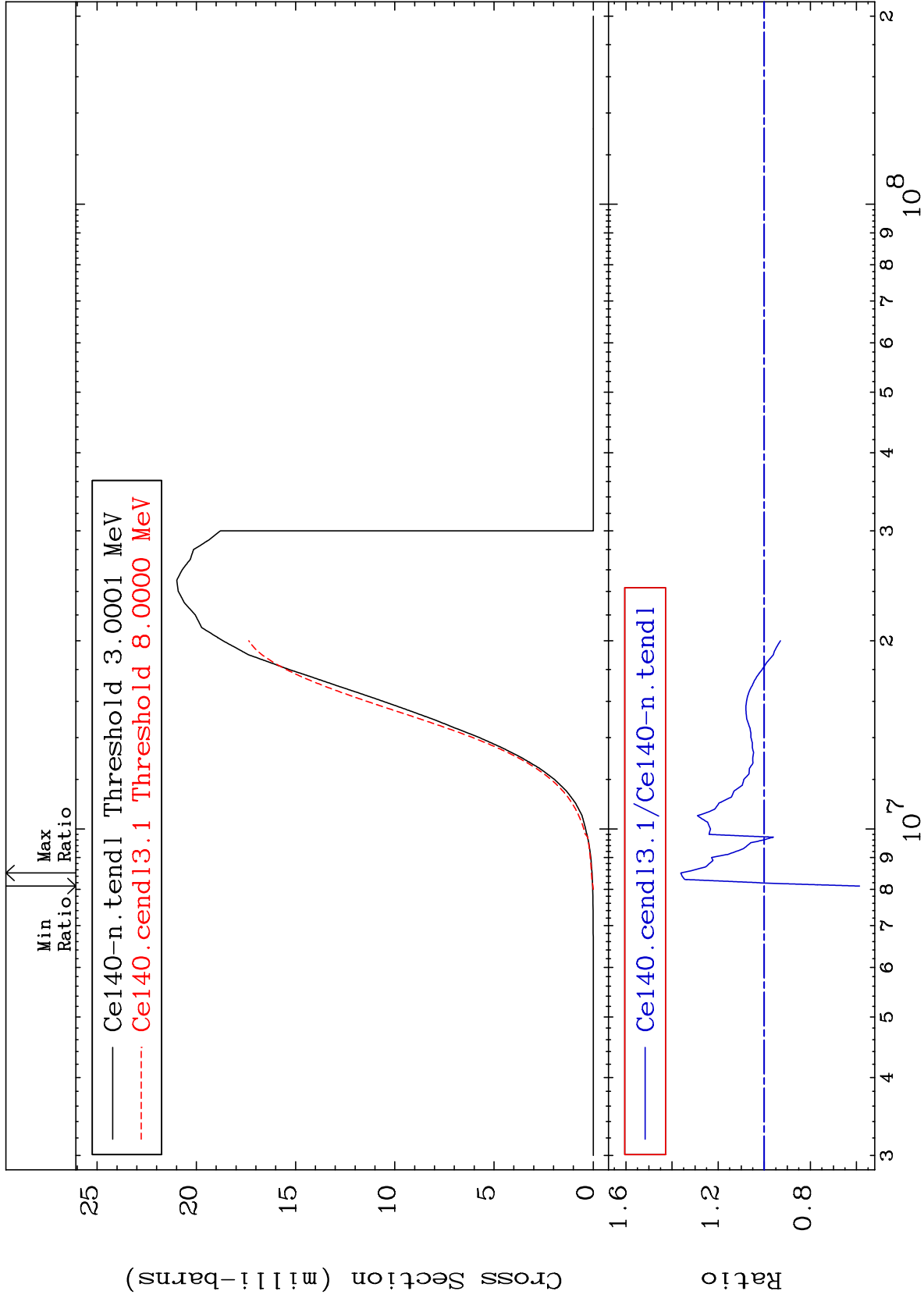
MAT 5837

(n,p)

58-Ce-140

Cross Section

-41.32 To 36.21 %



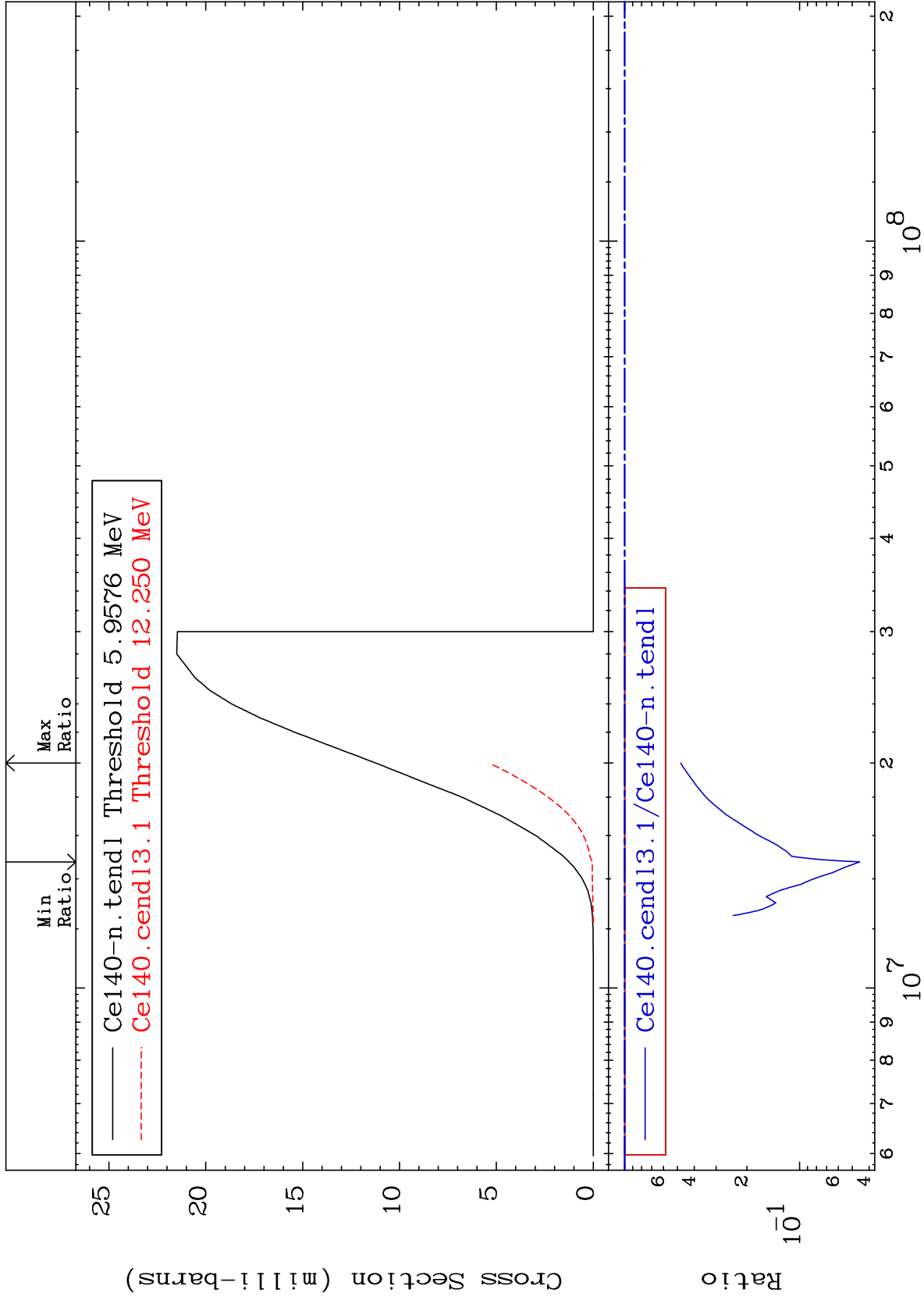
MAT 5837

(n, d)

58-Ce-140

Cross Section

-95.46 To -52.24%



24

Incident Energy (eV)

58-Ce-140

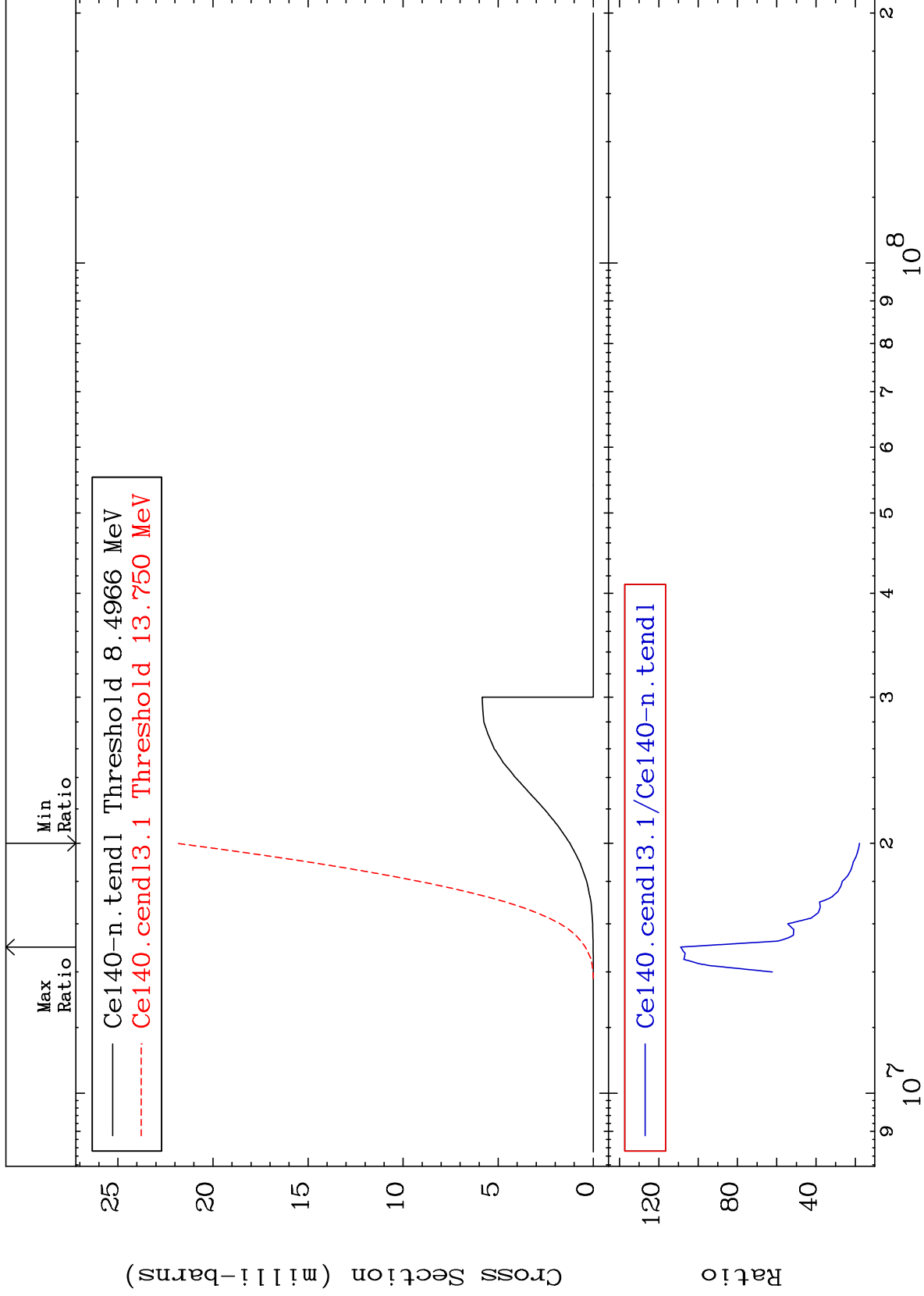
MAT 5837

(n, t)

58-Ce-140

Cross Section

1686. To 9999. %



25

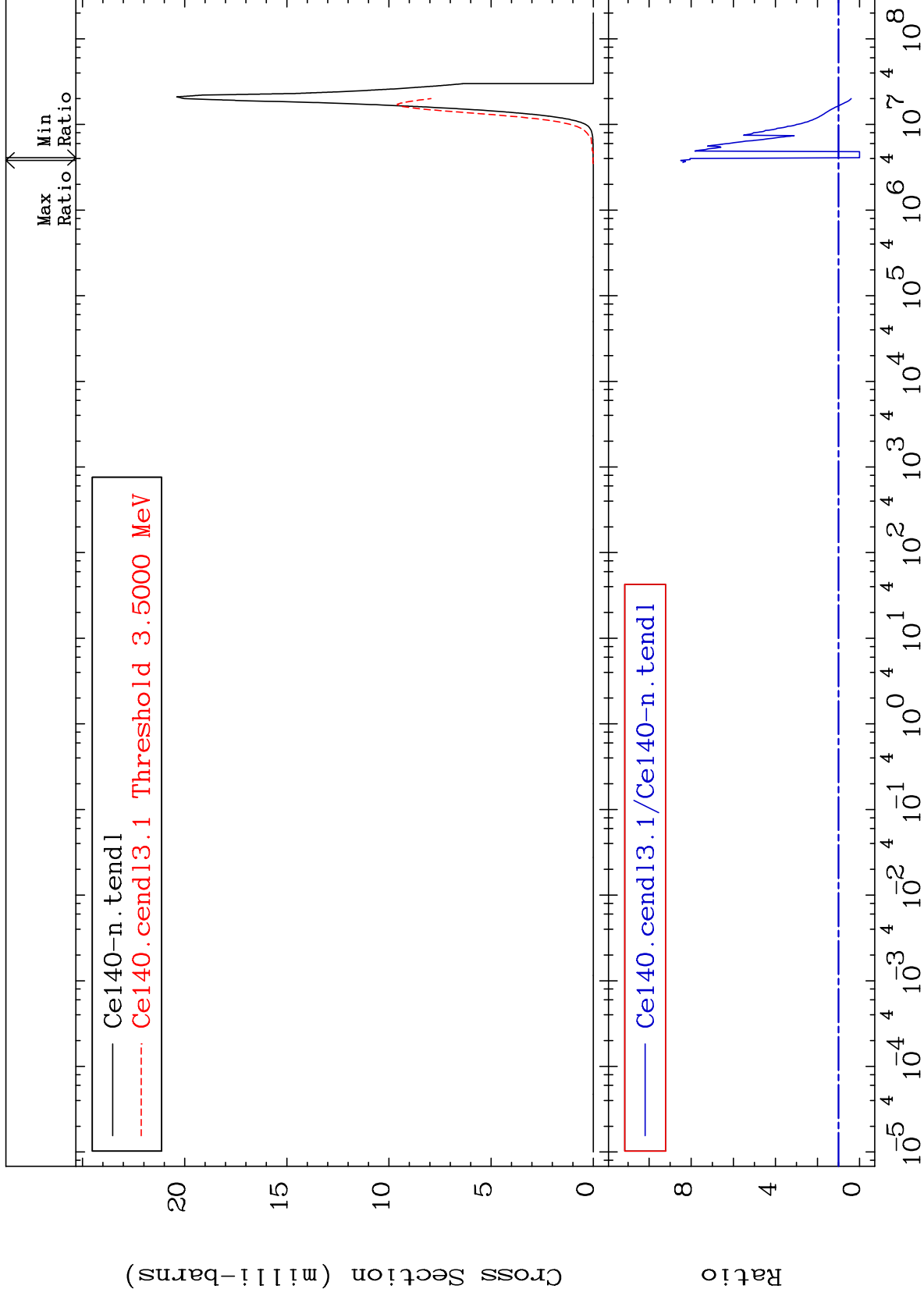
Incident Energy (eV)

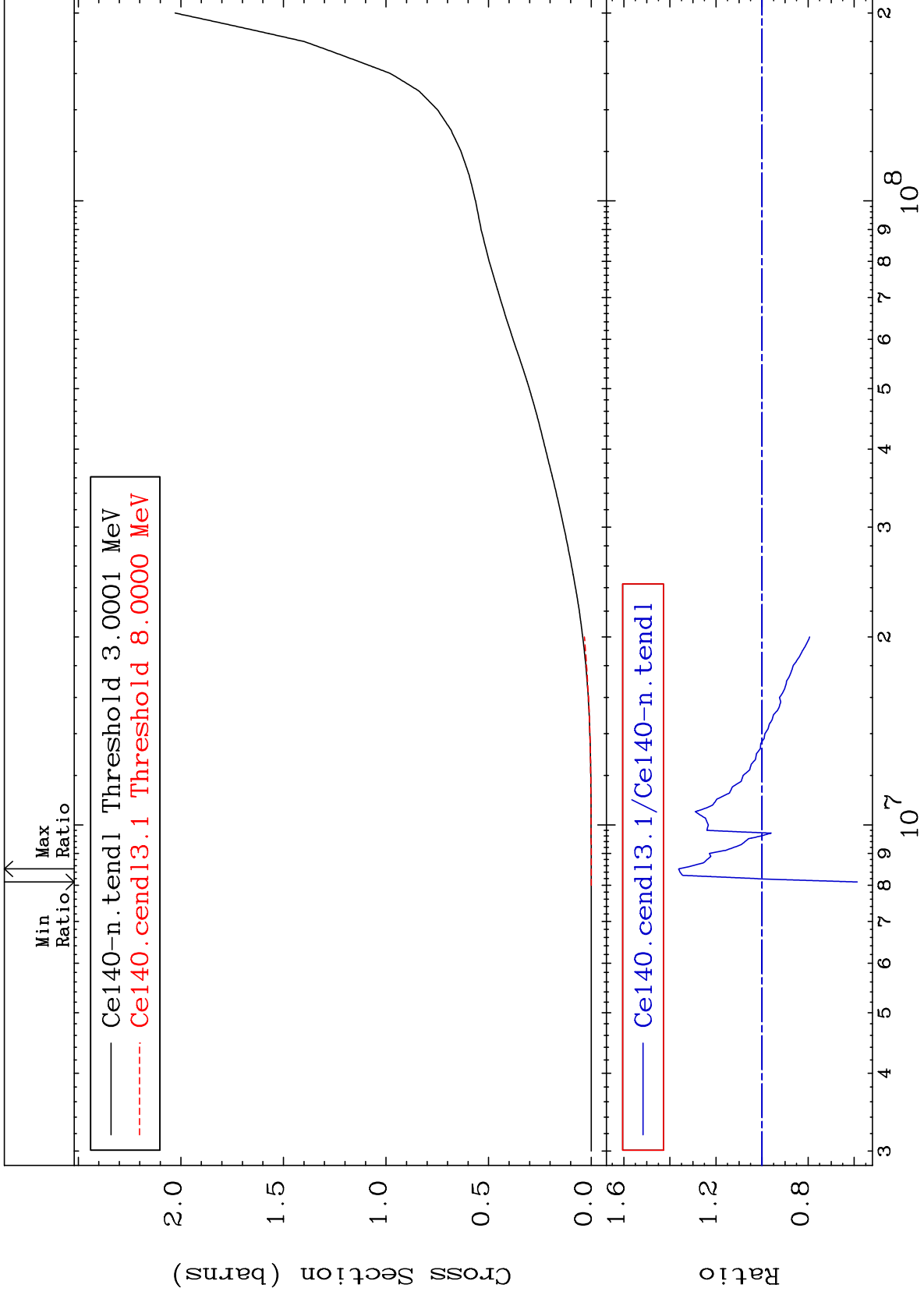
58-Ce-140

MAT 5837

(n, α)
Cross Section

58-Ce-140
-100.0 To 749.7 %

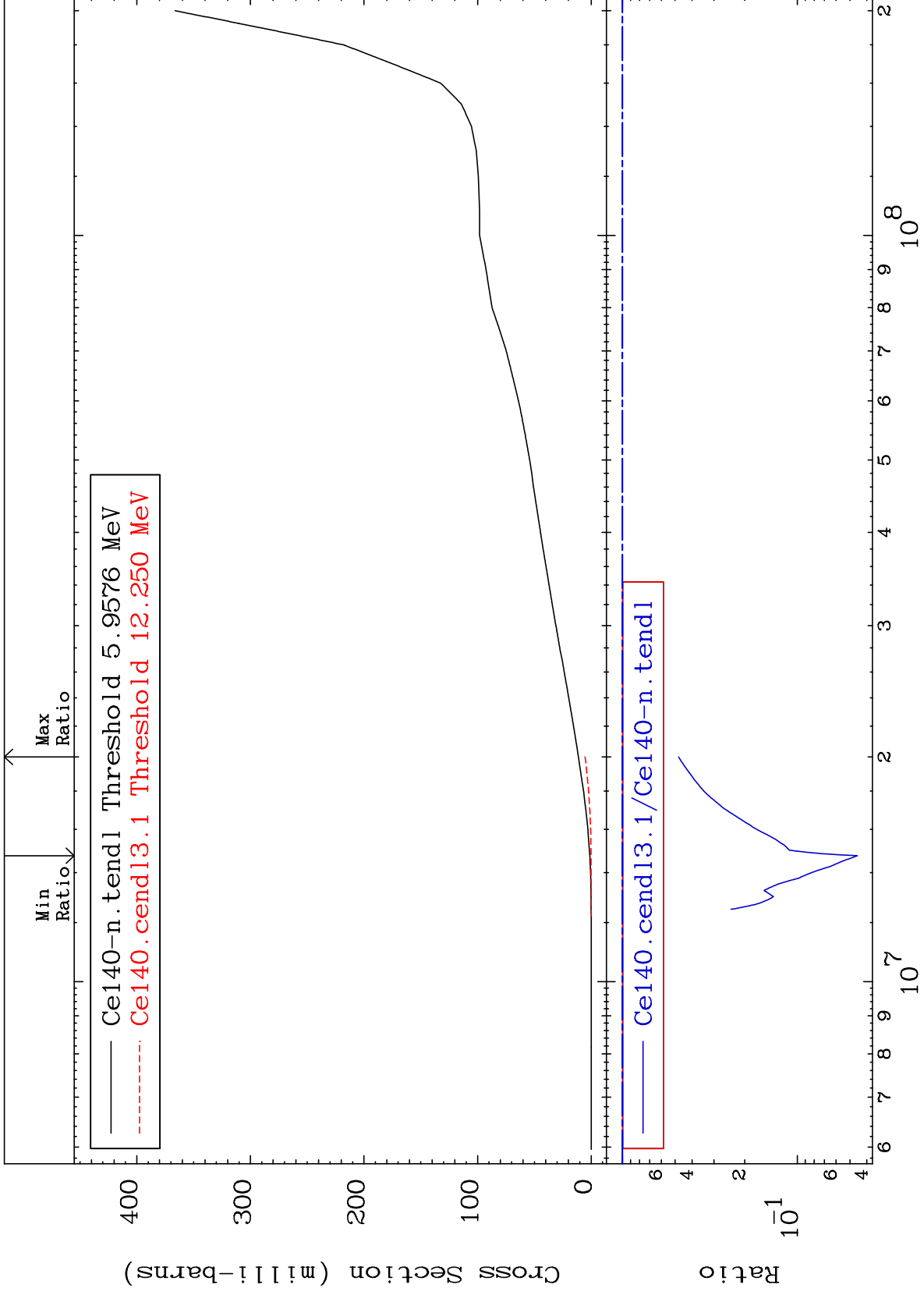




MAT 5837

Deuterium Production
Cross Section

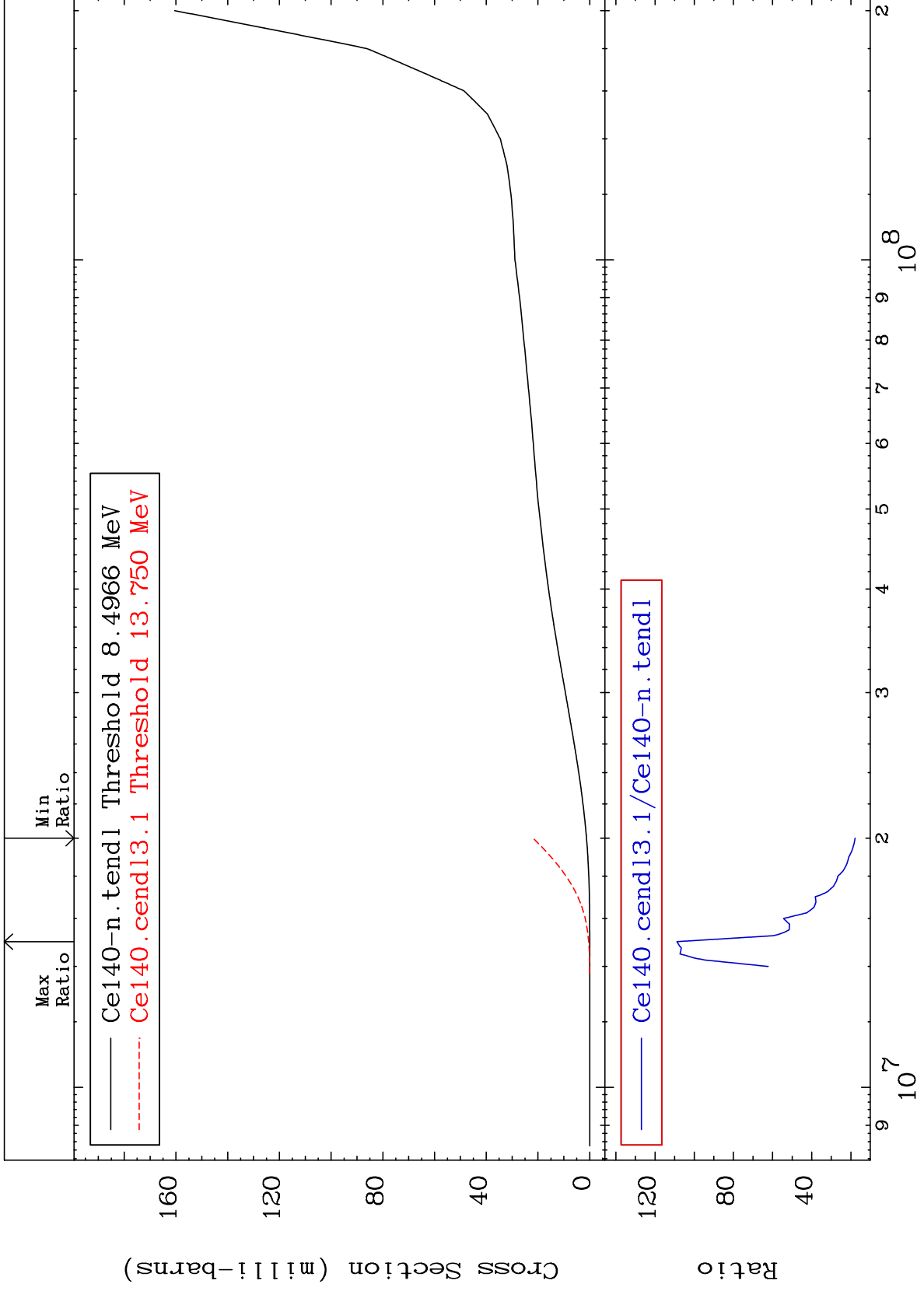
58-Ce-140
-95.46 To -52.24%



MAT 5837

Tritium Production
Cross Section

58-Ce-140
1686. To 9999. %



29

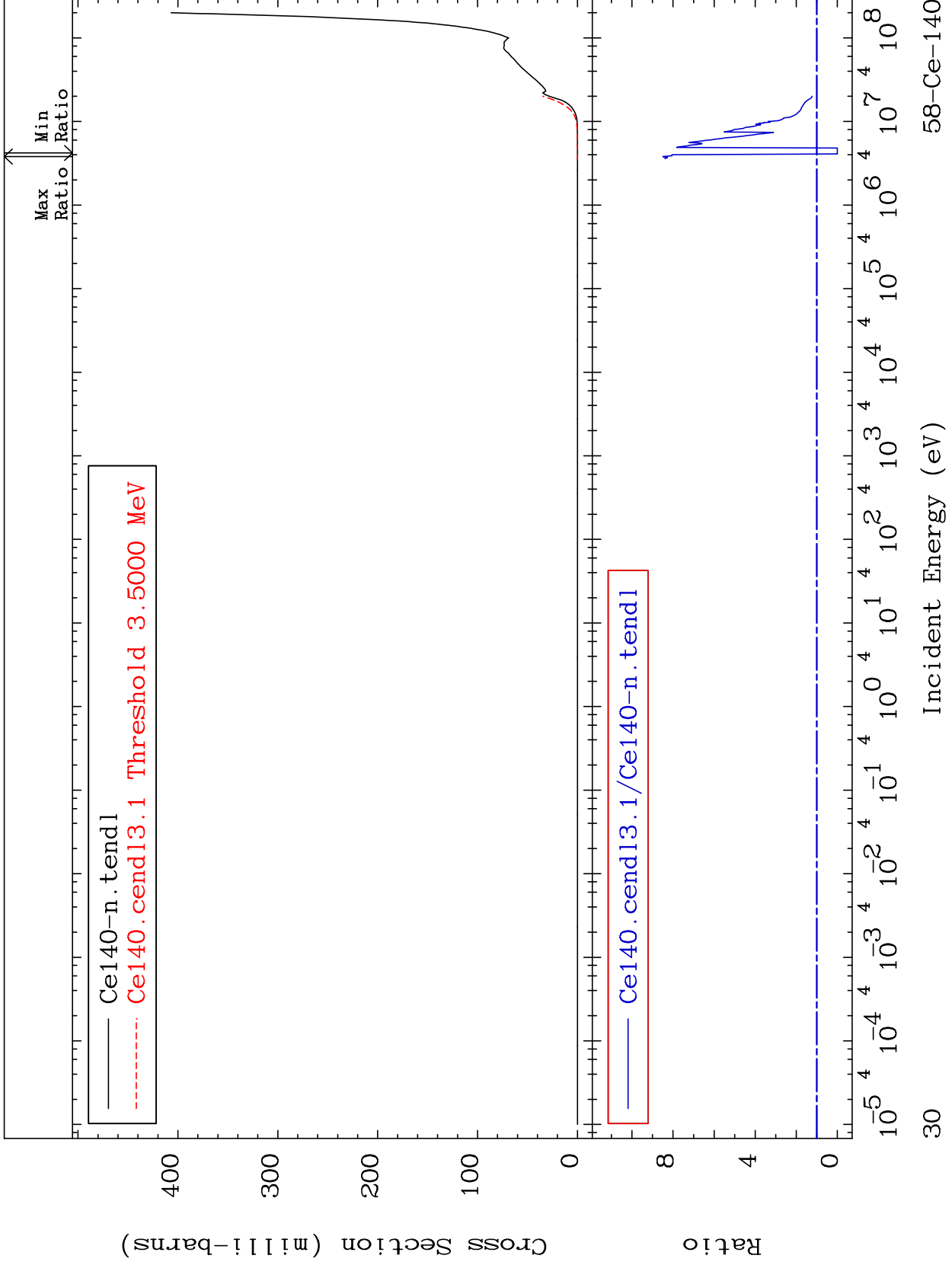
Incident Energy (eV)

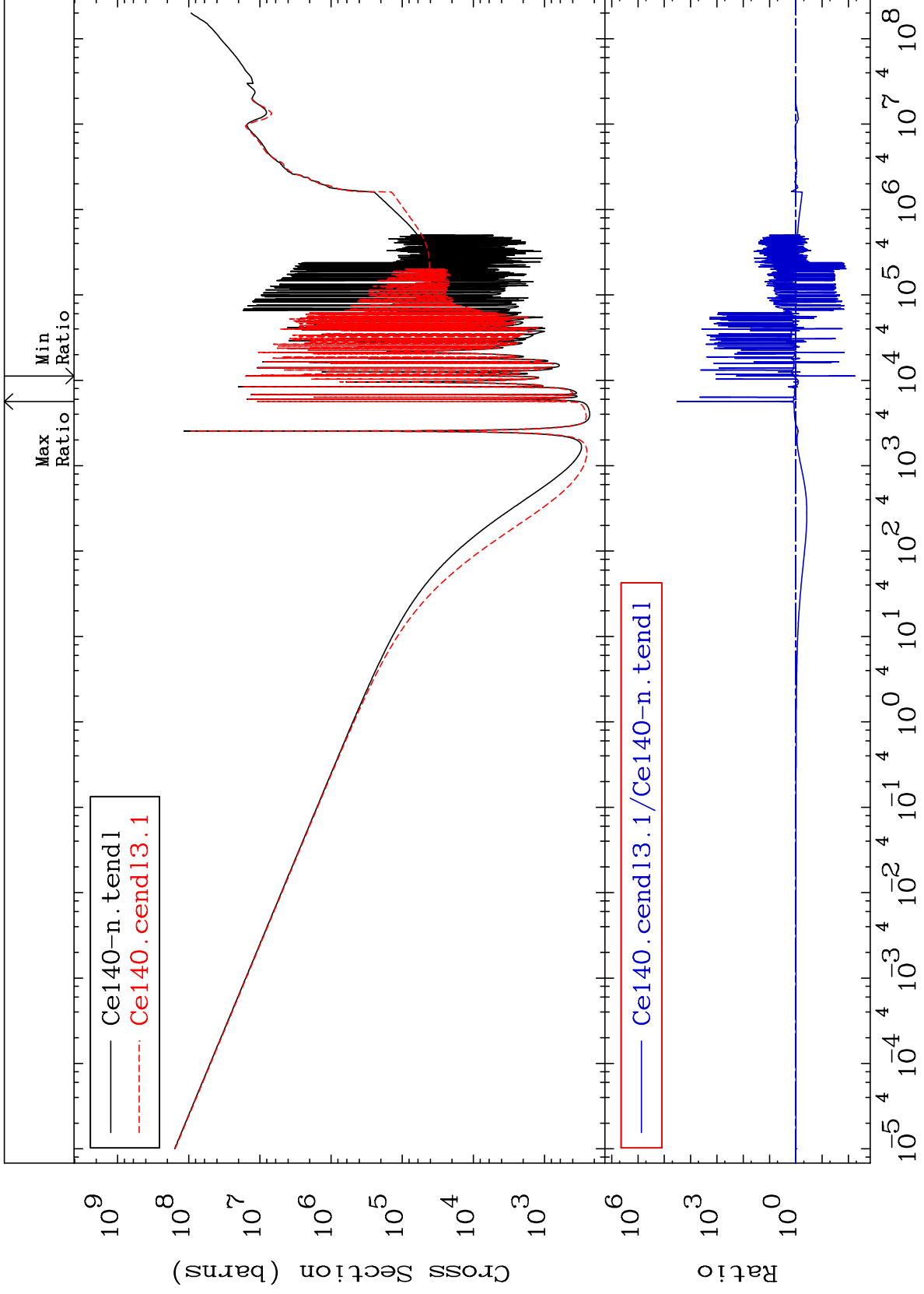
58-Ce-140

MAT 5837

He-4 Production
Cross Section

58-Ce-140
-100.0 To 749.7 %

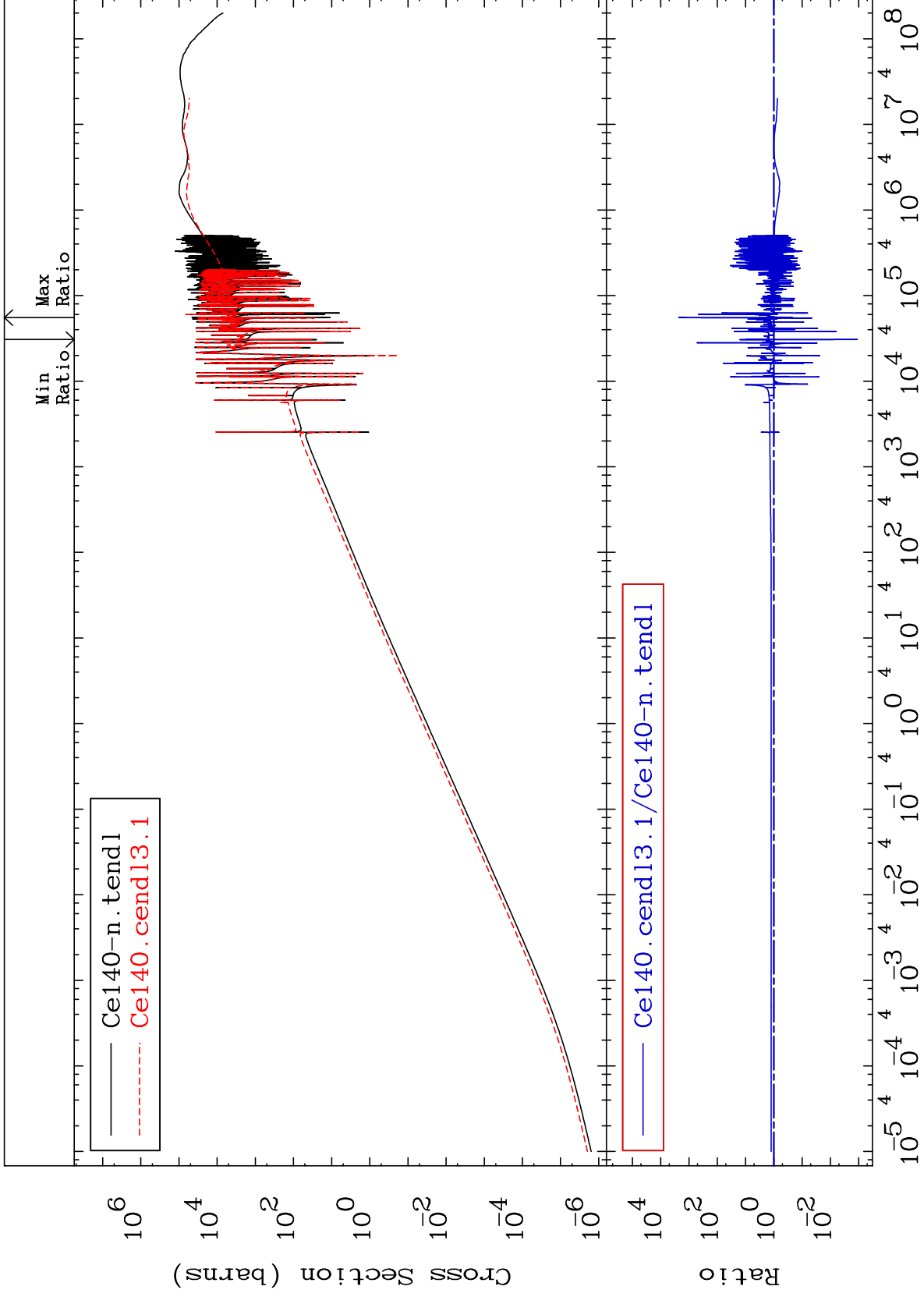


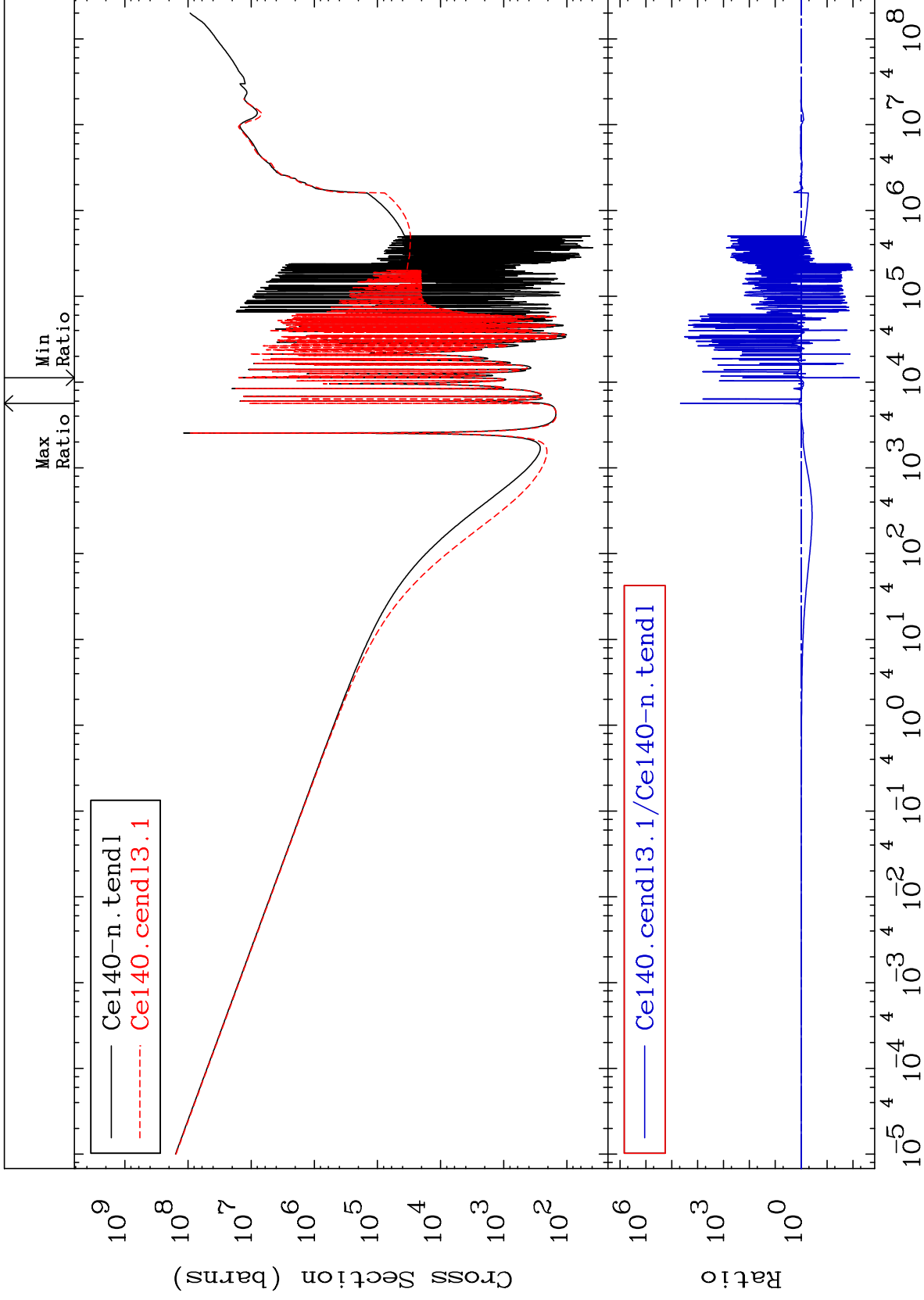


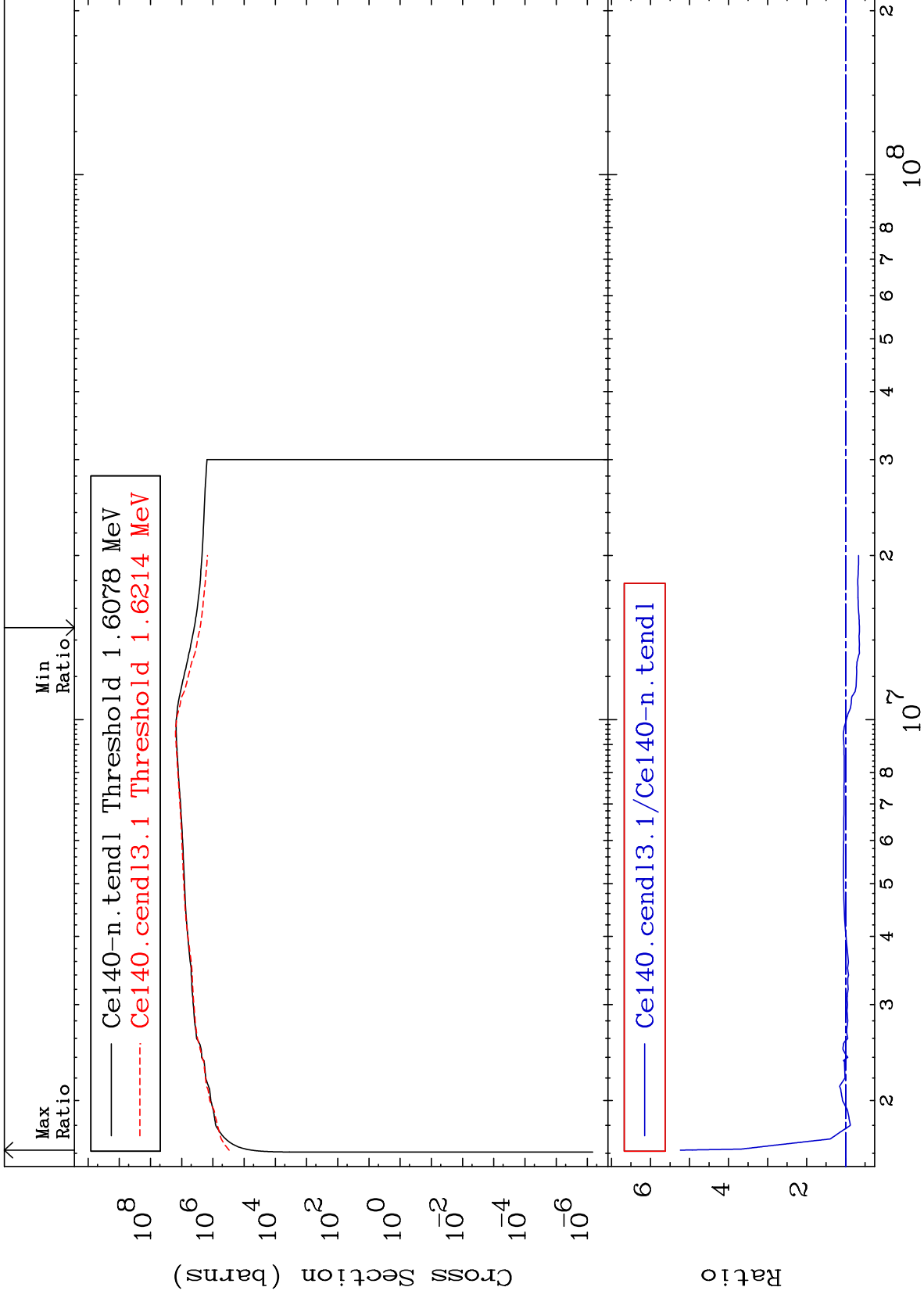
MAT 5837

Kerma elastic
Cross Section

58-Ce-140
-99.89 To 9999. %



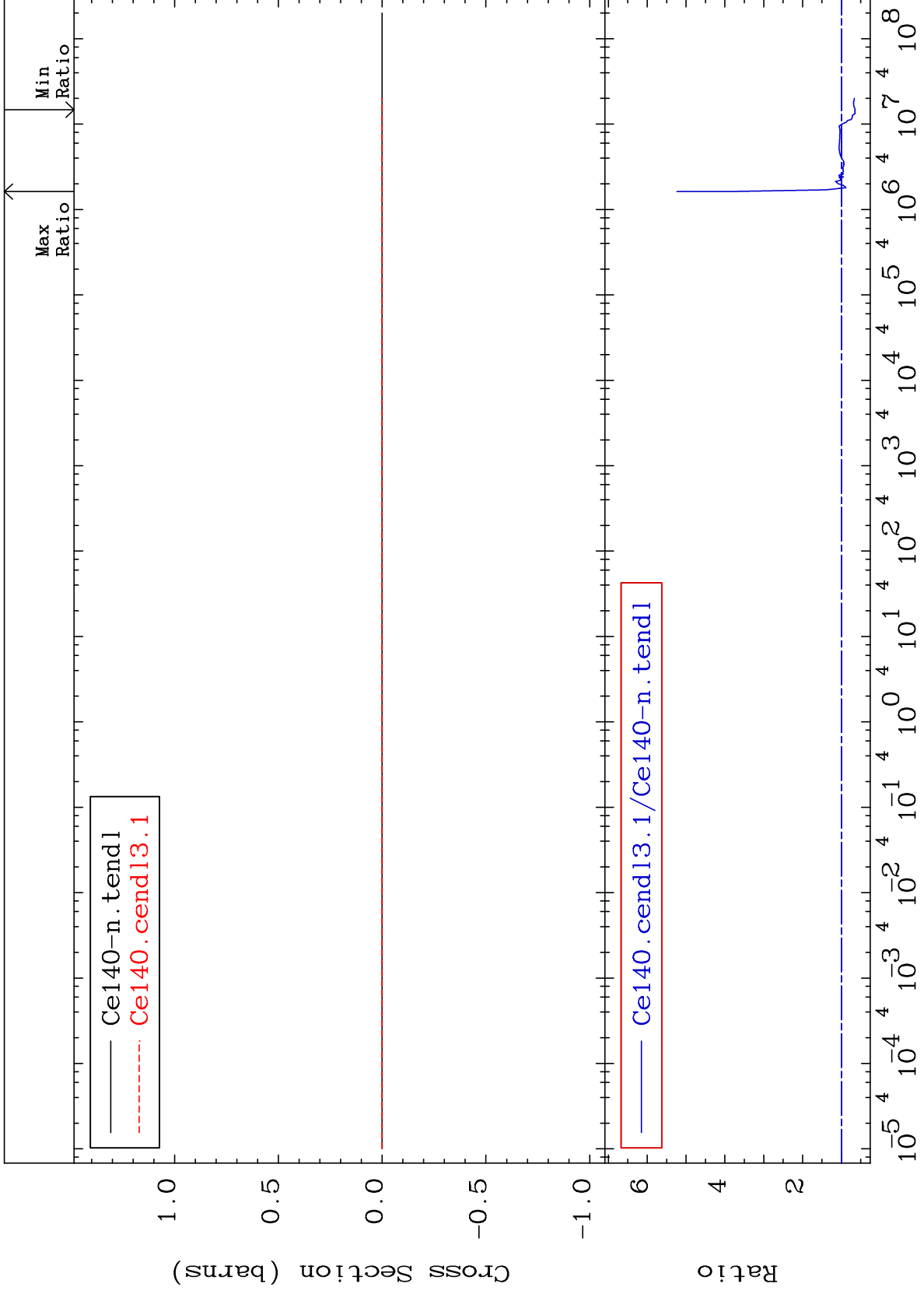




MAT 5837

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

58-Ce-140
-35.33 To 423.5 %



35

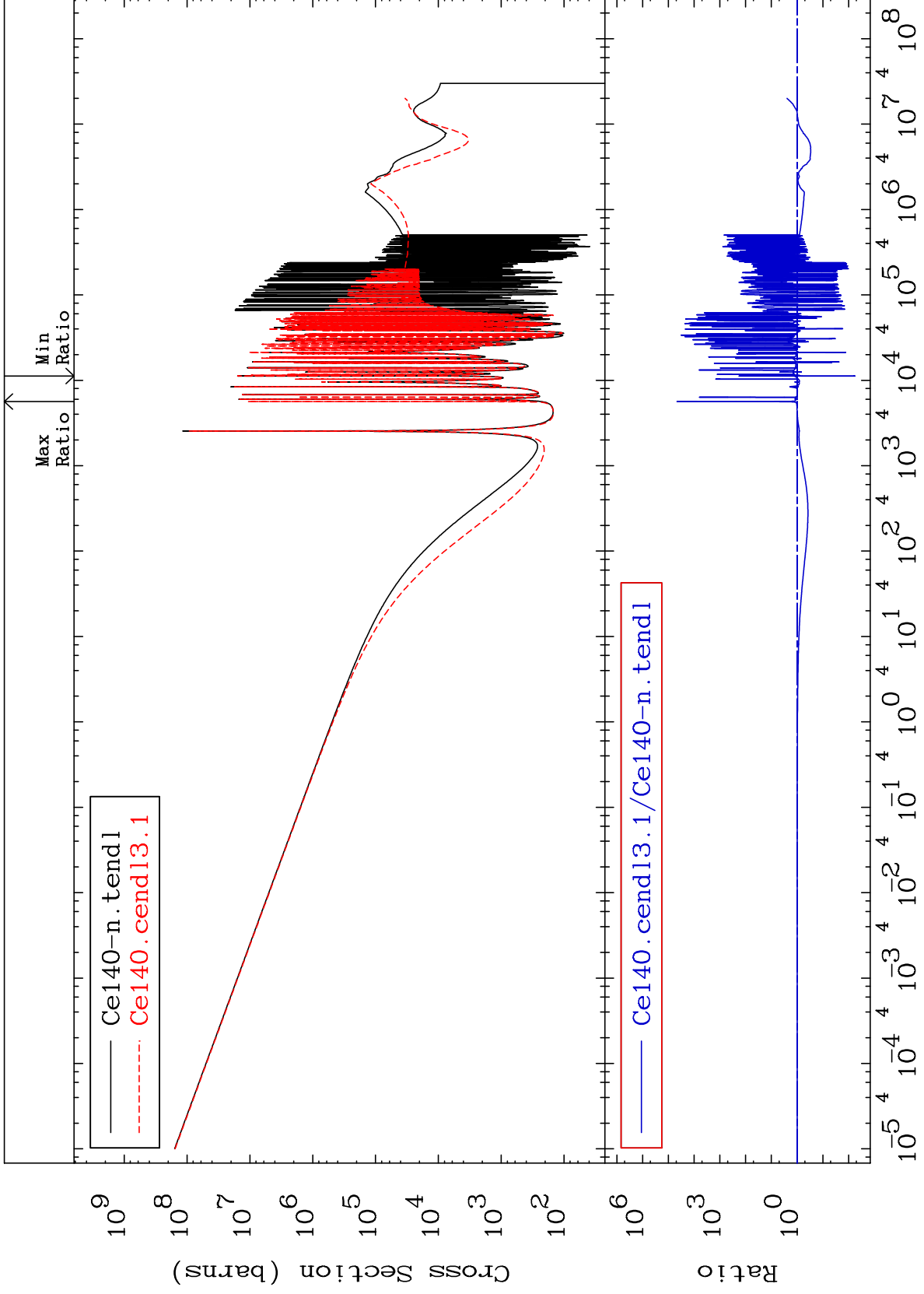
Incident Energy (eV)

58-Ce-140

MAT 5837

Kerma capture (mt102)
Cross Section

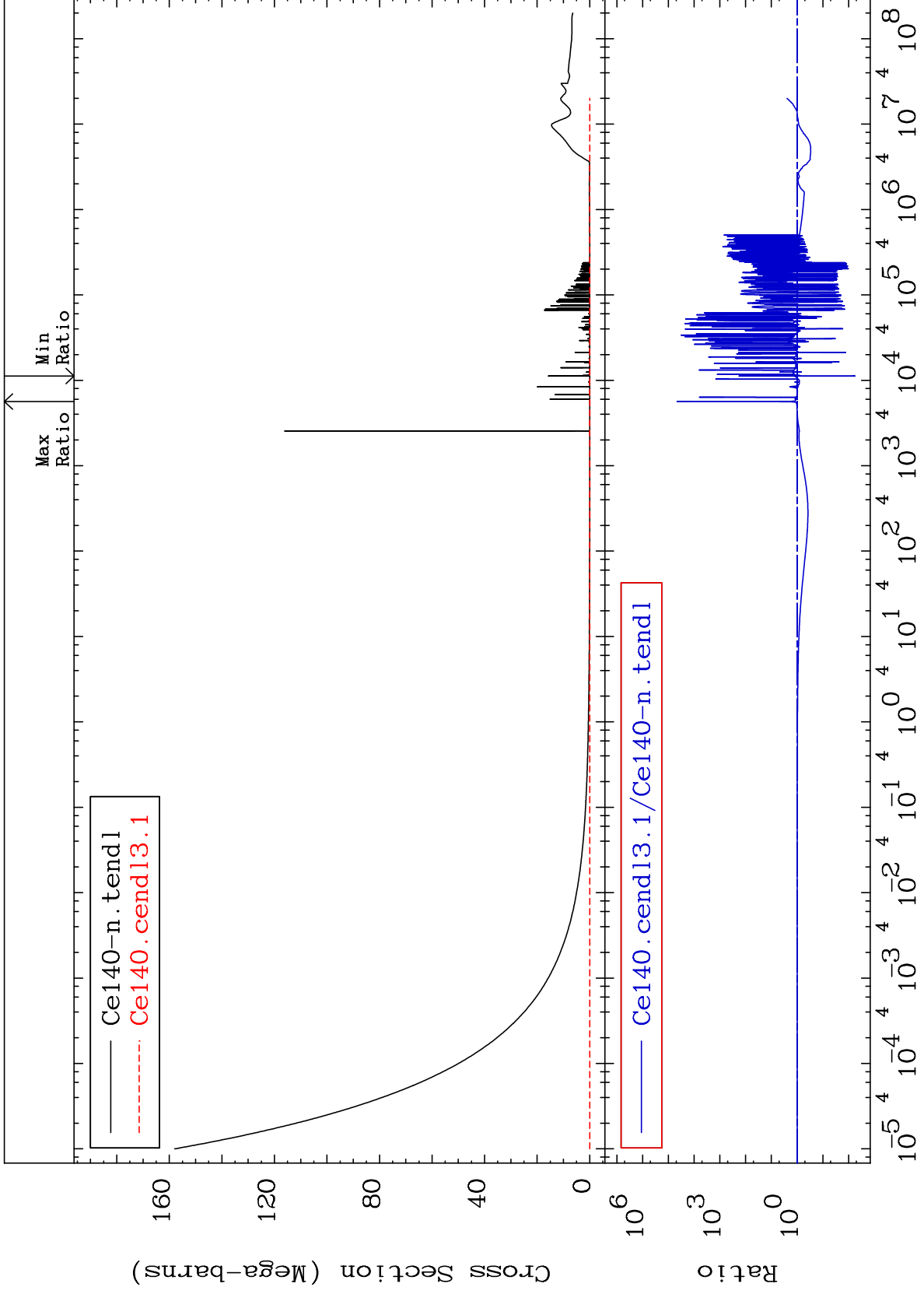
58-Ce-140
-99.44 To 9999. %



MAT 5837

Total photon (eV-barns)
Cross Section

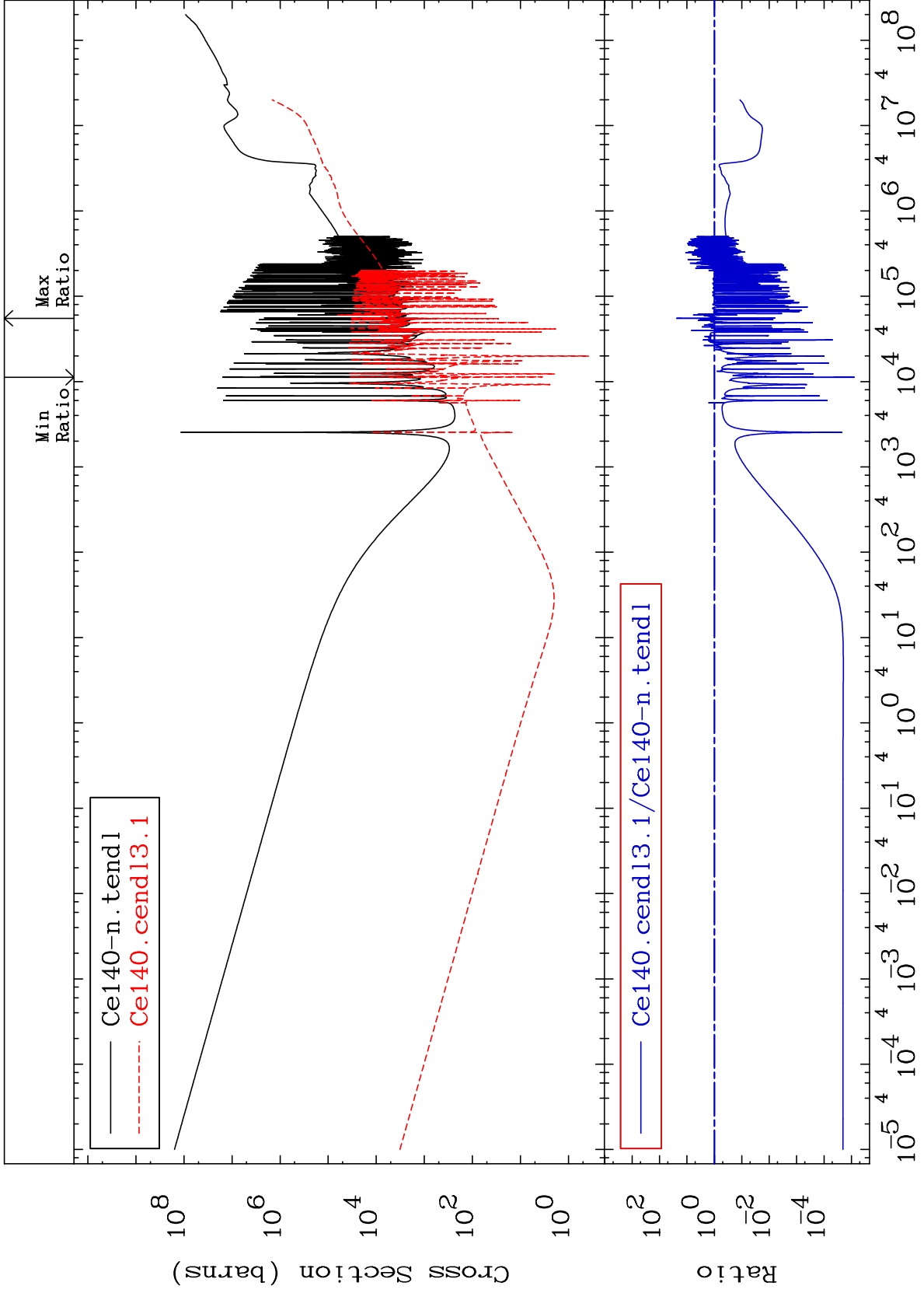
58-Ce-140
-99.44 To 9999. %



37

Incident Energy (eV)

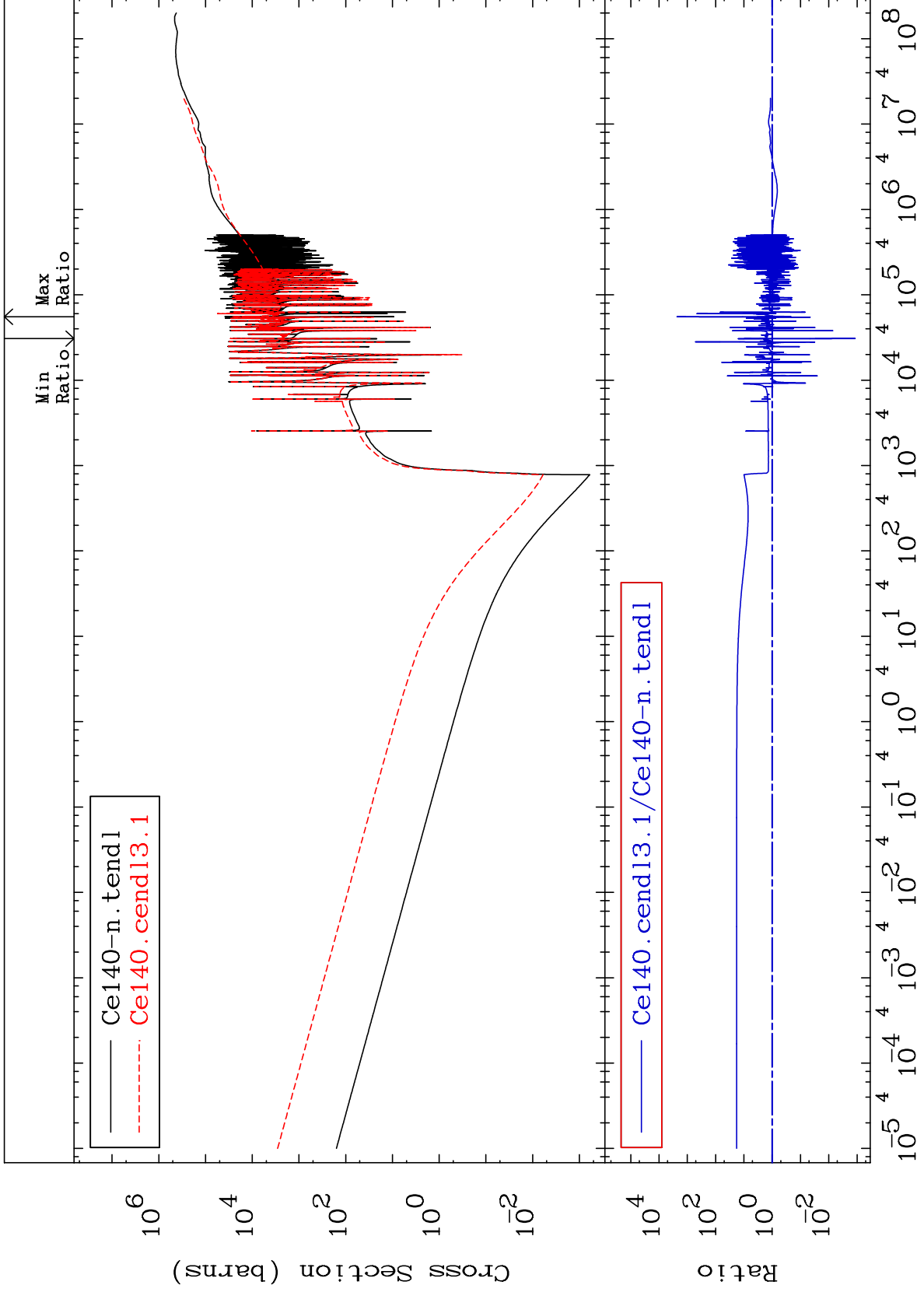
58-Ce-140



MAT 5837

Dpa total (eV-barns)
Cross Section

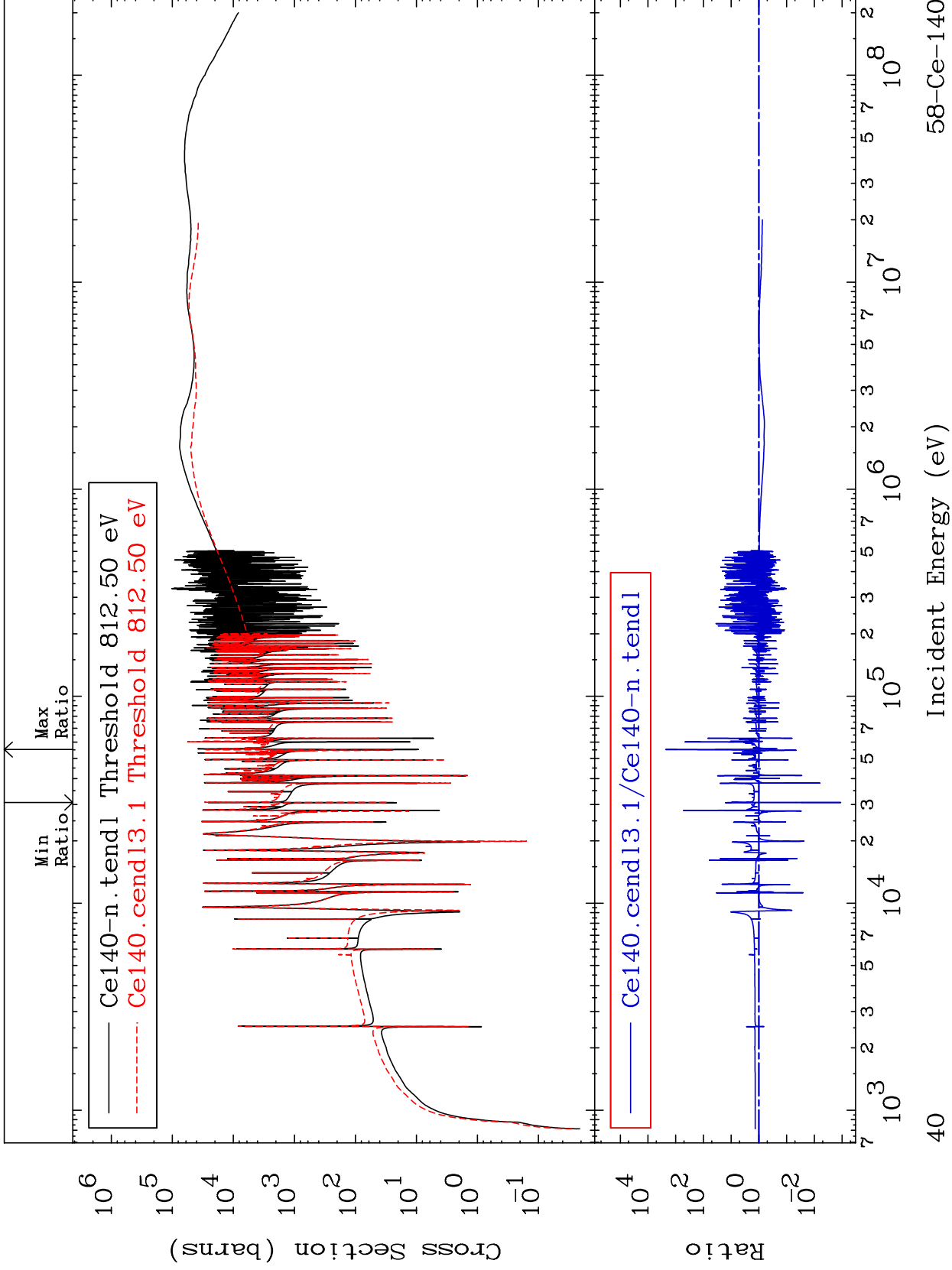
58-Ce-140
-99.88 To 9999. %

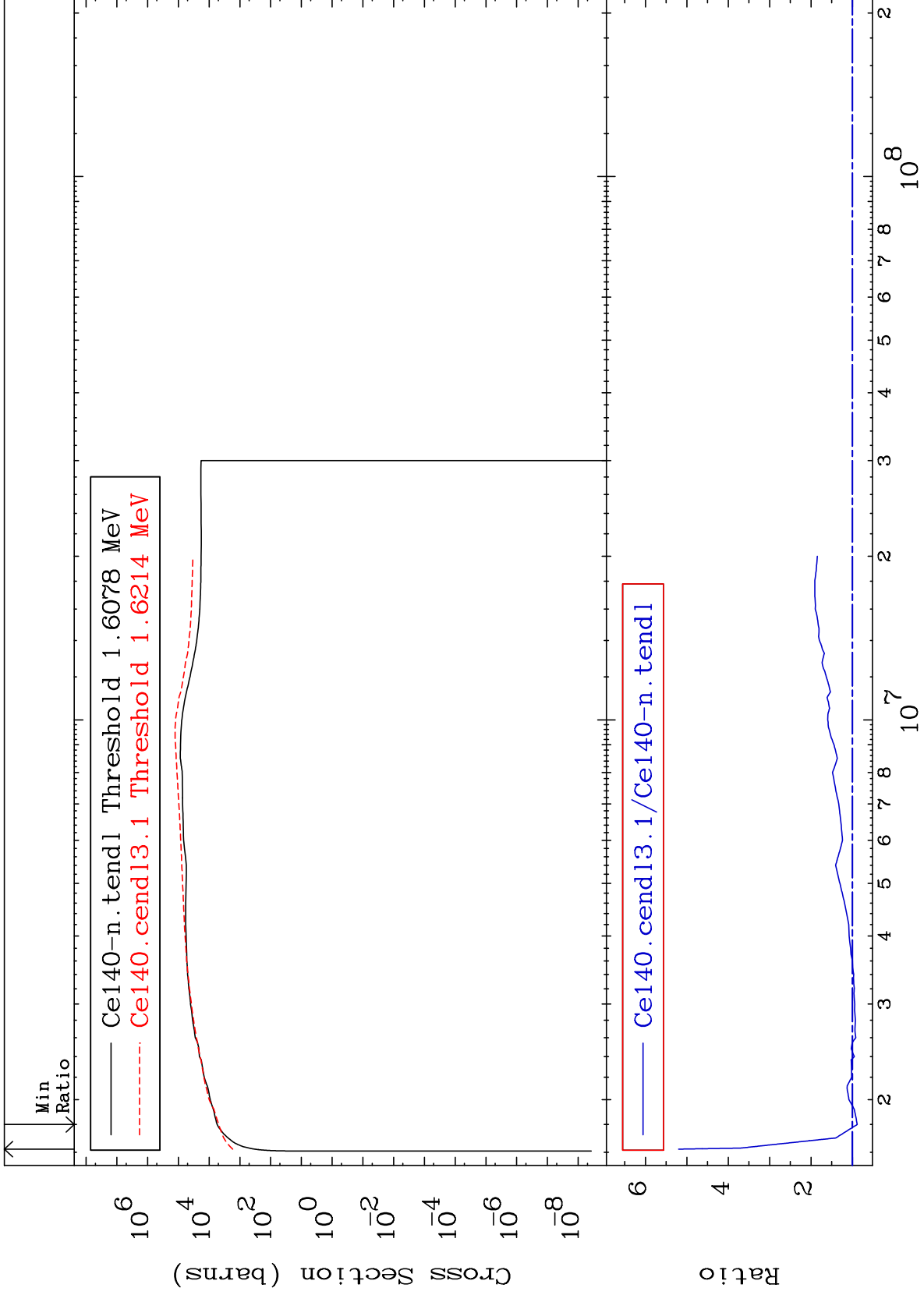


MAT 5837

Dpa elastic (mt2)
Cross Section

58-Ce-140
-99.89 To 9999. %





MAT 5837

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-140
-83.10 To 9999. %

