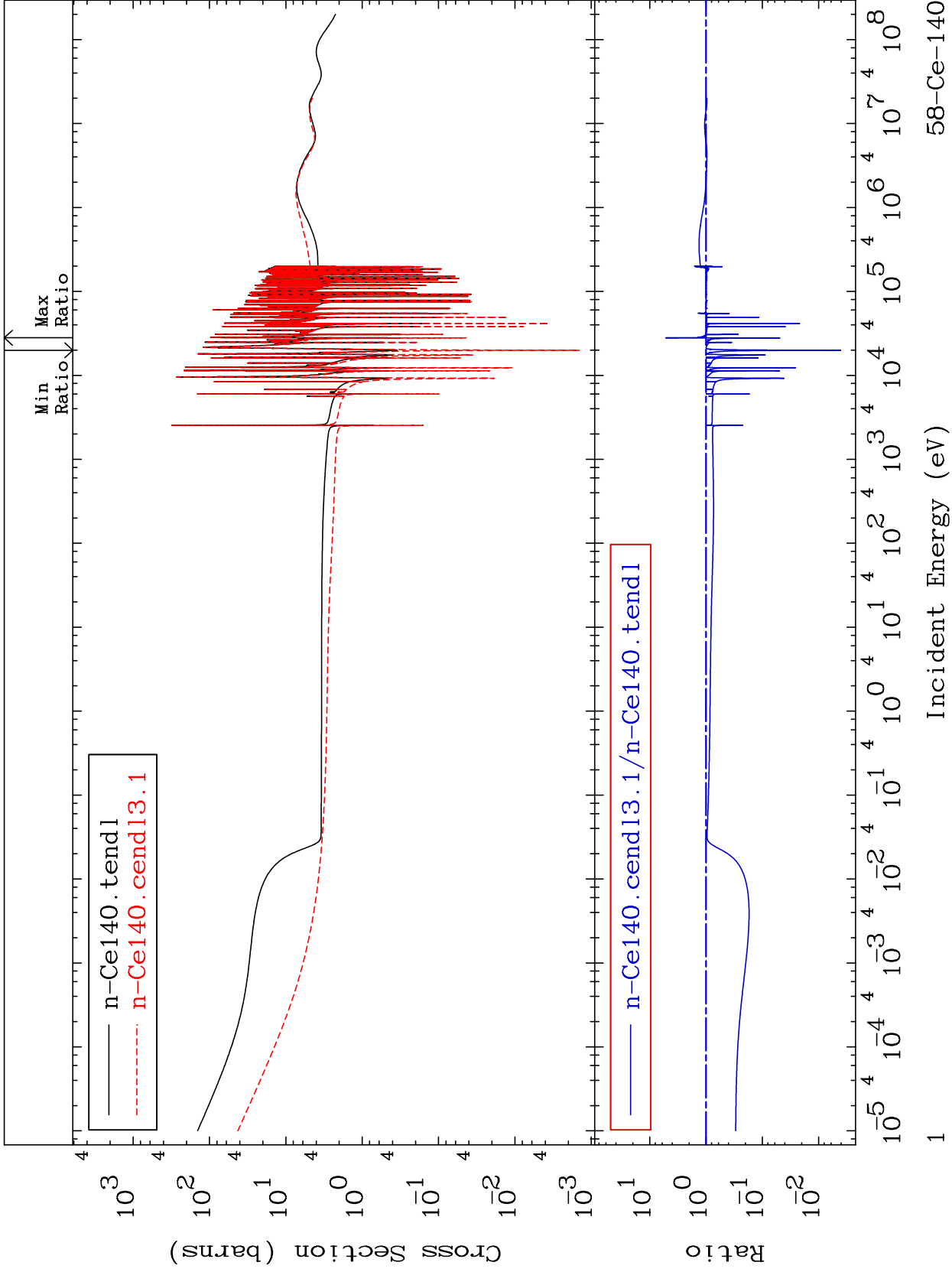


MAT 5837

Total
Cross Section

58-Ce-140
-99.59 To 424.3 %

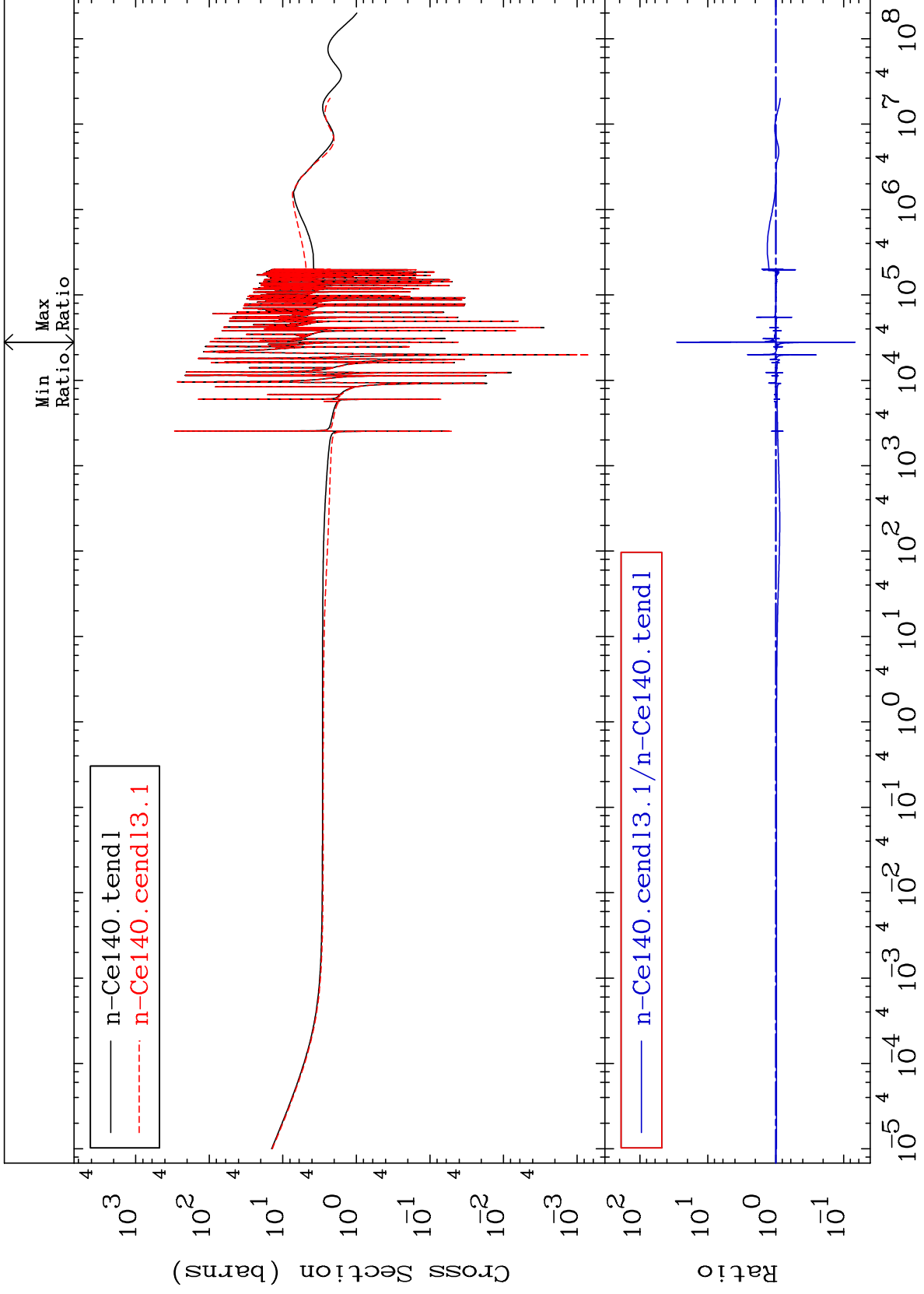


58-Ce-140

MAT 5837

Elastic
Cross Section

58-Ce-140
-93.21 To 2757. %



Incident Energy (eV)

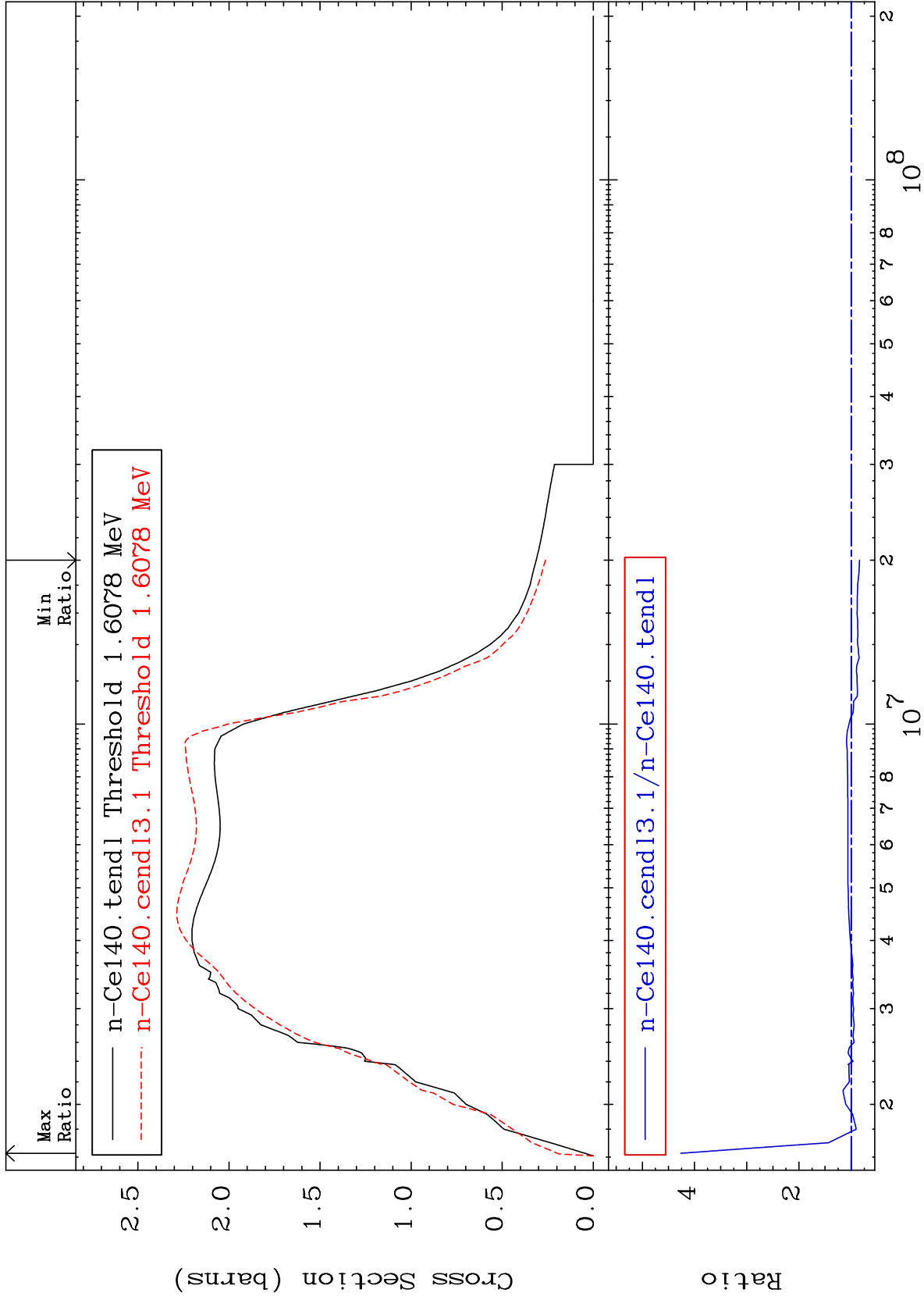
58-Ce-140

2

MAT 5837

Inelastic
Cross Section

58-Ce-140
-16.00 To 326.4 %



3

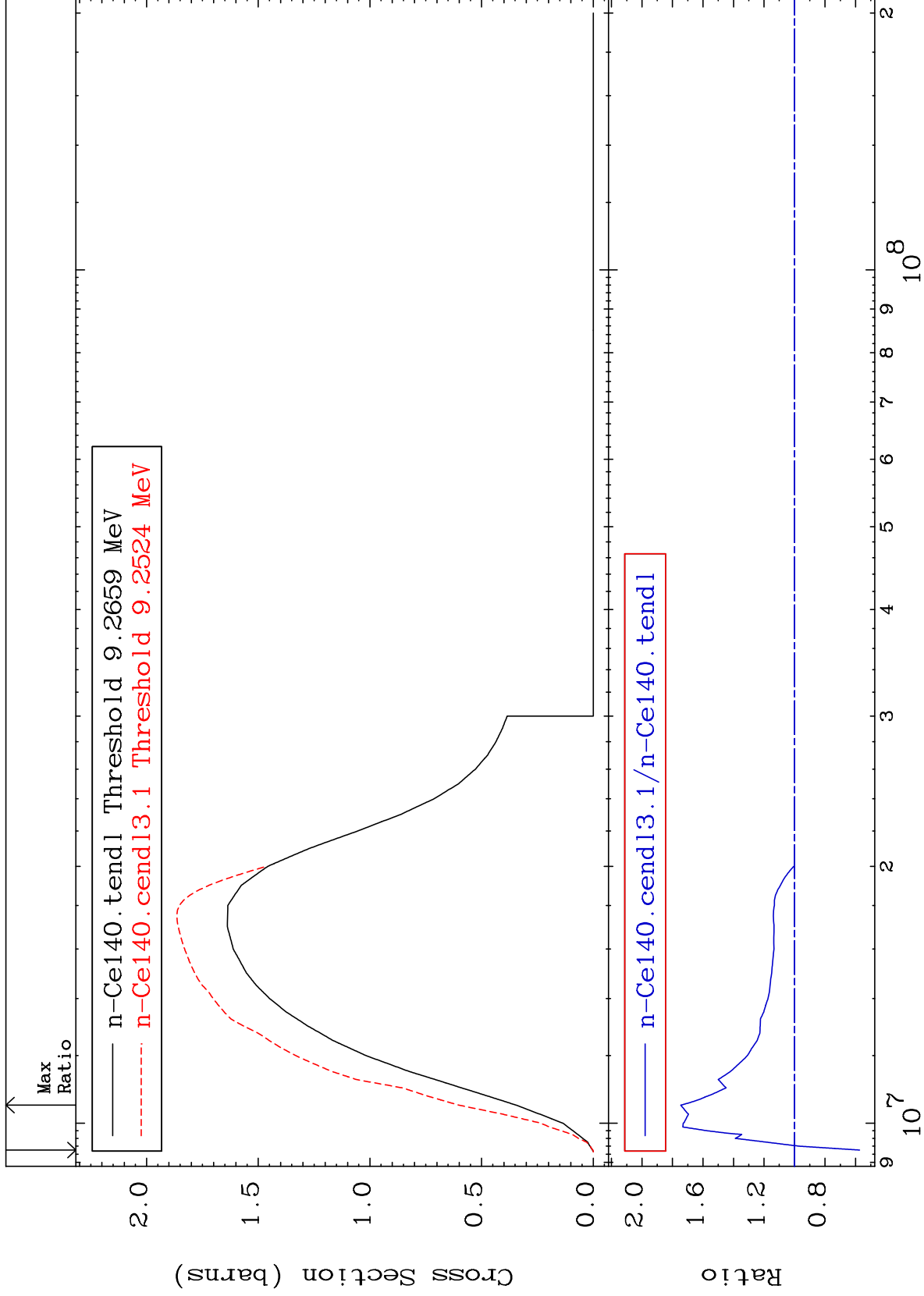
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,2n)
Cross Section

58-Ce-140
-42.62 To 74.57 %



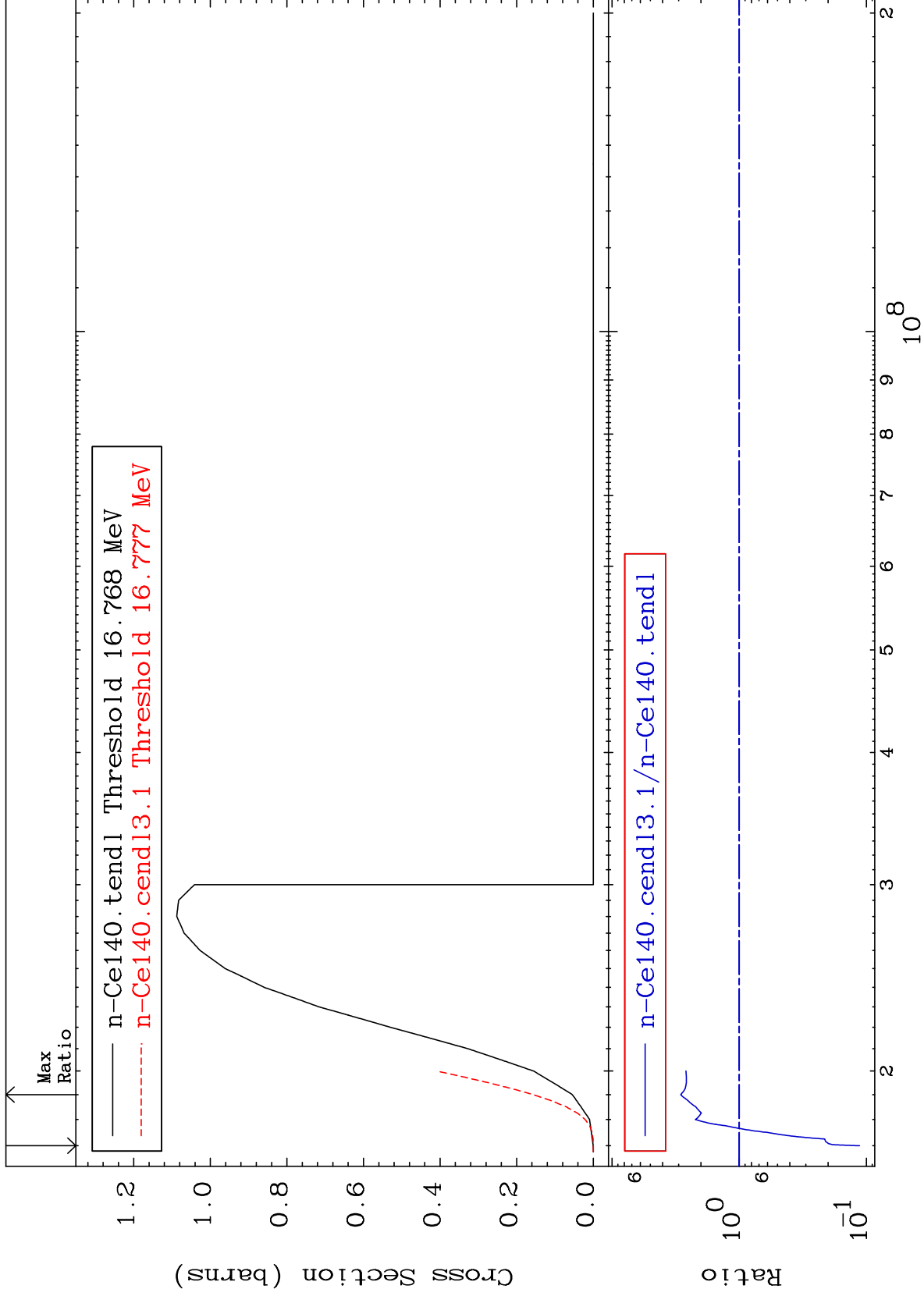
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,3n)
Cross Section

58-Ce-140
-88.67 To 188.3 %



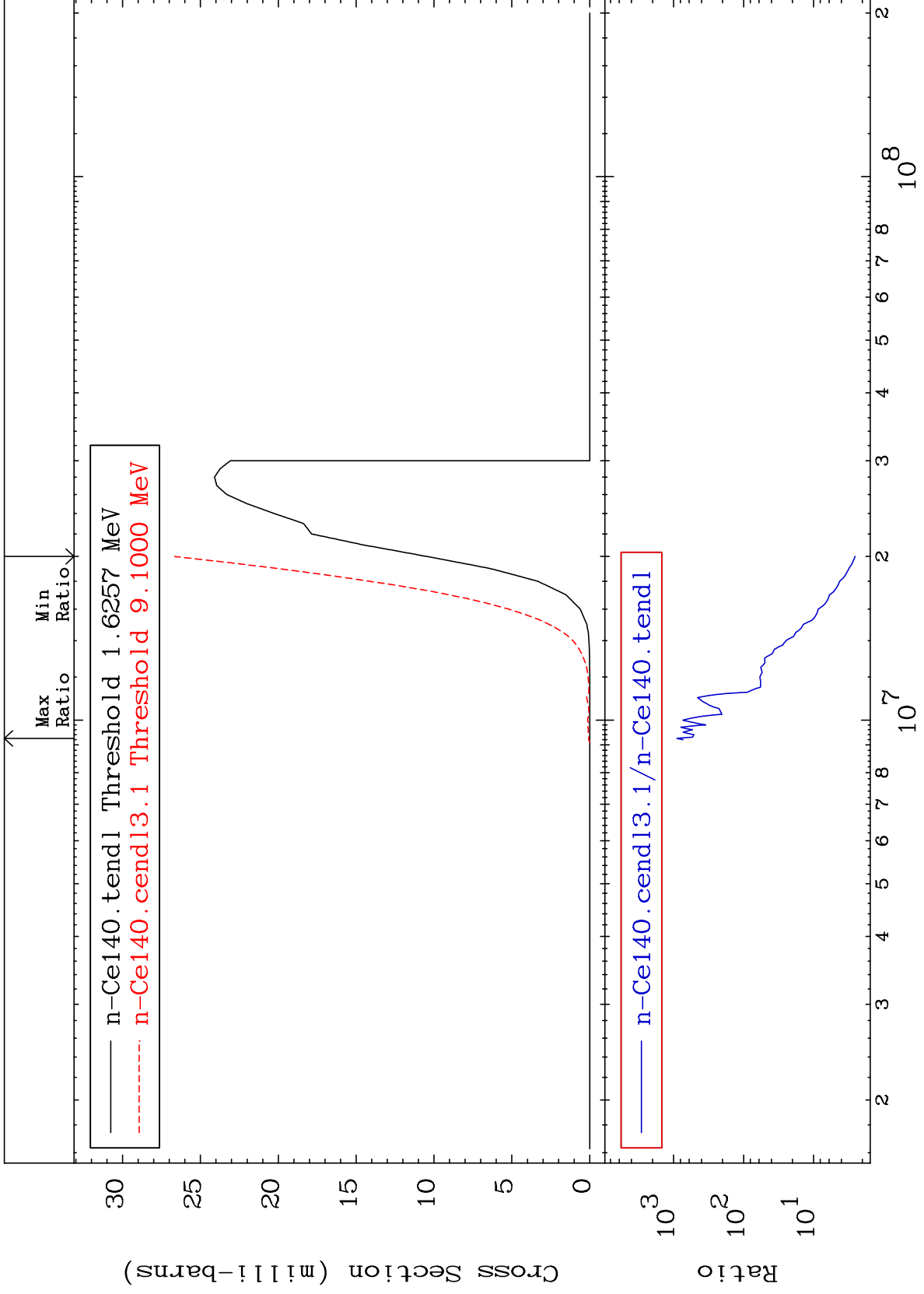
5

Incident Energy (eV)

58-Ce-140

MAT 5837

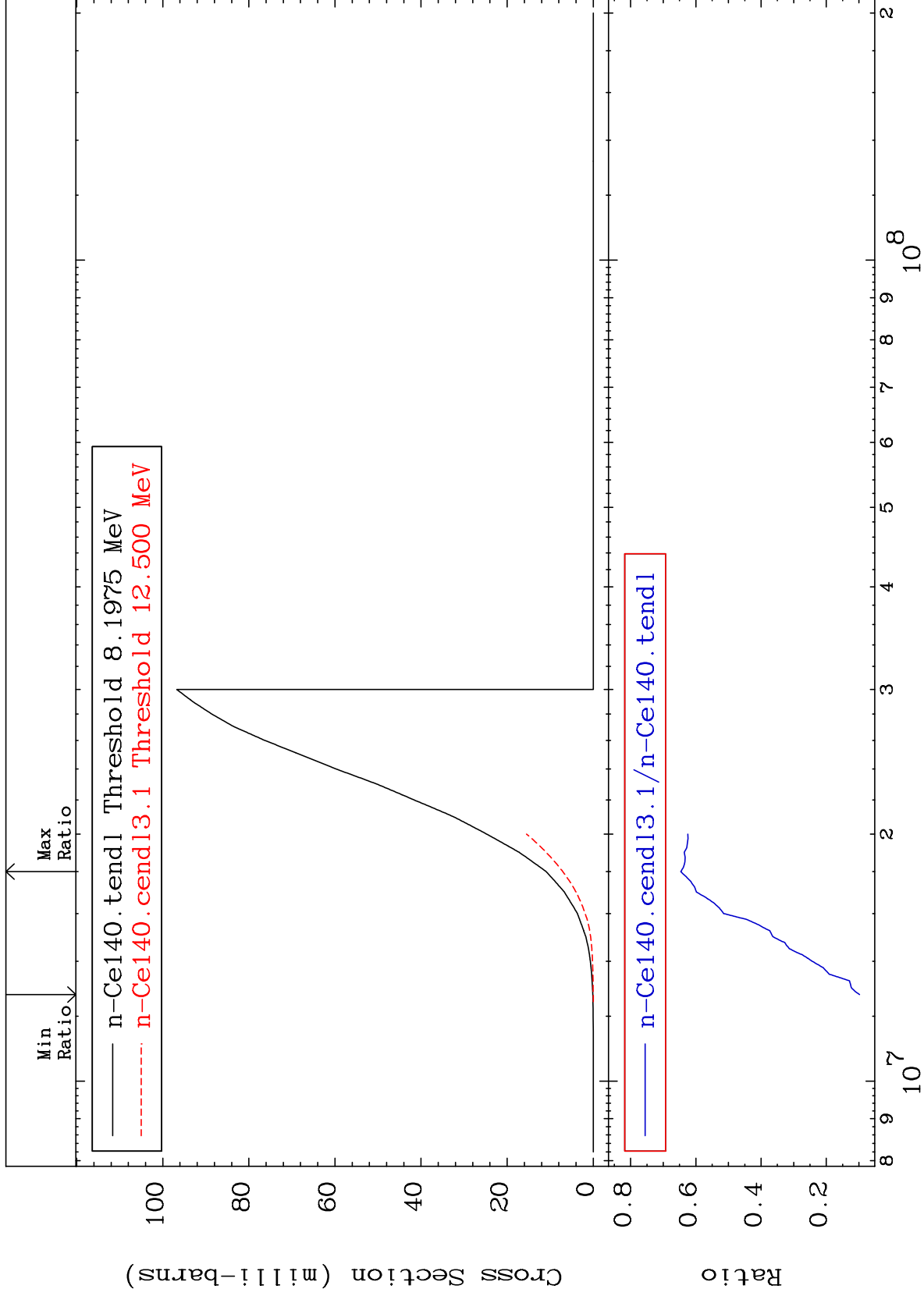
(n,n') α
Cross Section
58-Ce-140
154.8 To 9999. %



MAT 5837

(n,n') p
Cross Section

58-Ce-140
-90.20 To -35.38%



7

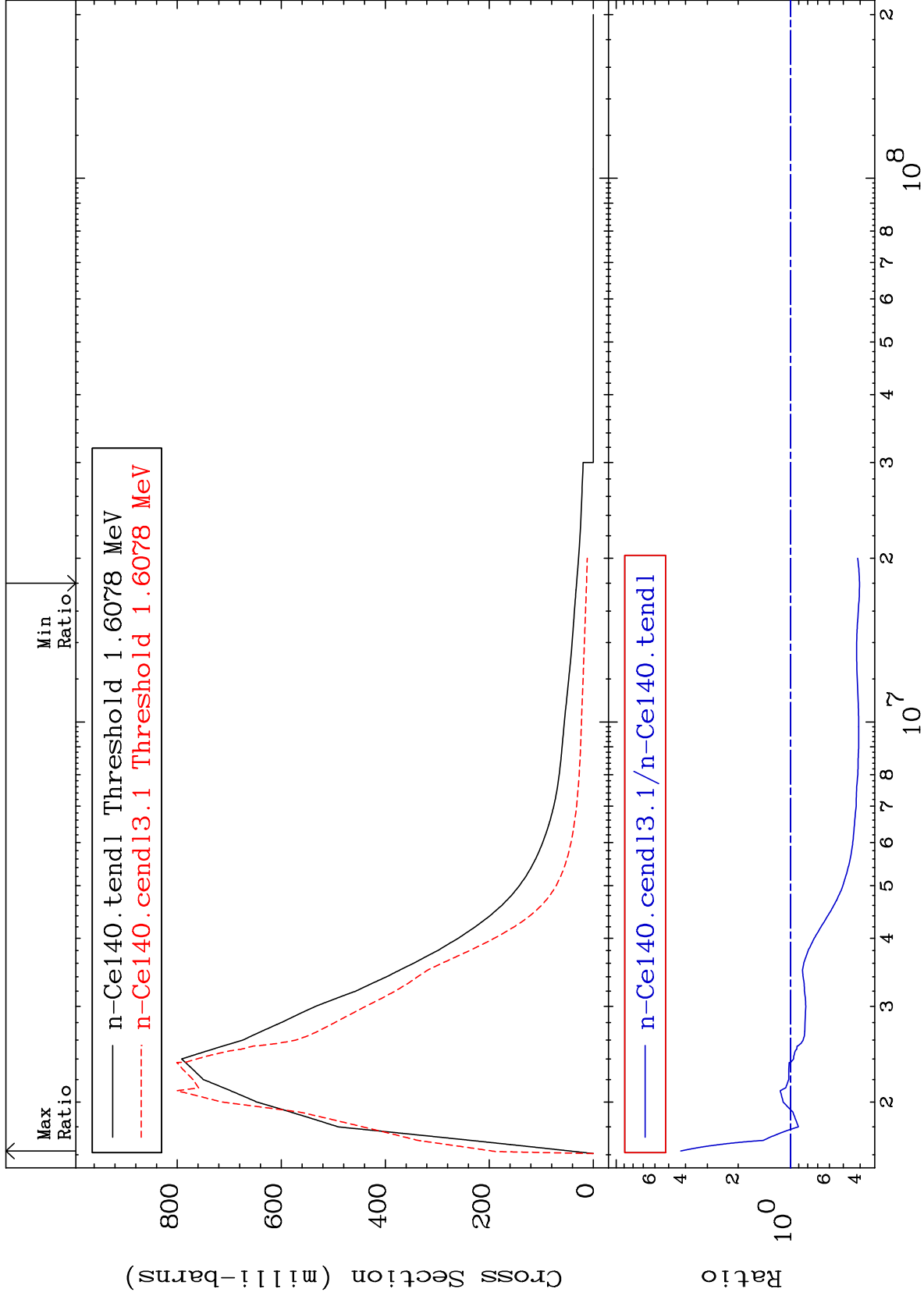
Incident Energy (eV)

58-Ce-140

MAT 5837

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

58-Ce-140
-59.67 To 326.4 %



8

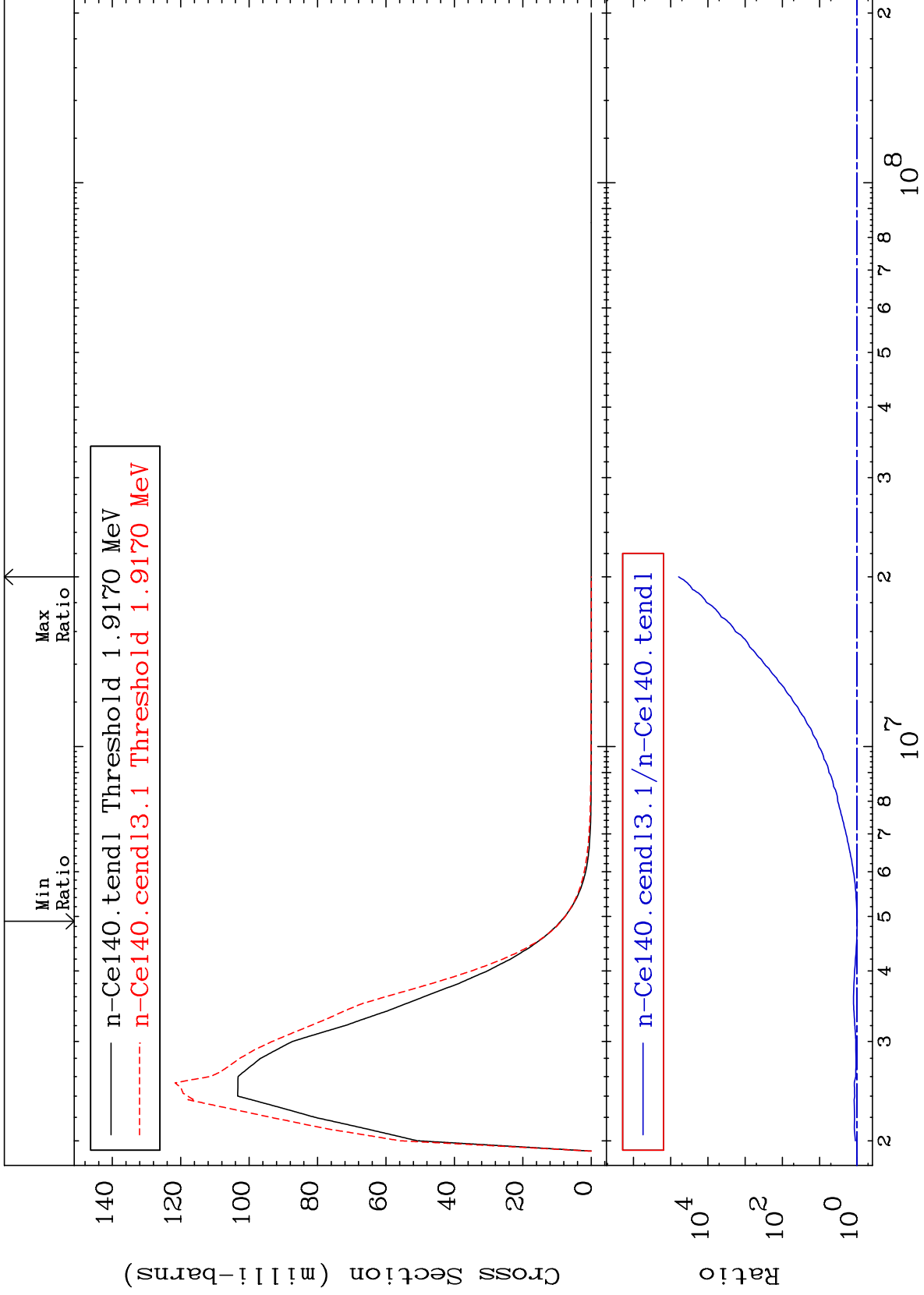
Incident Energy (eV)

58-Ce-140

MAT 5837

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

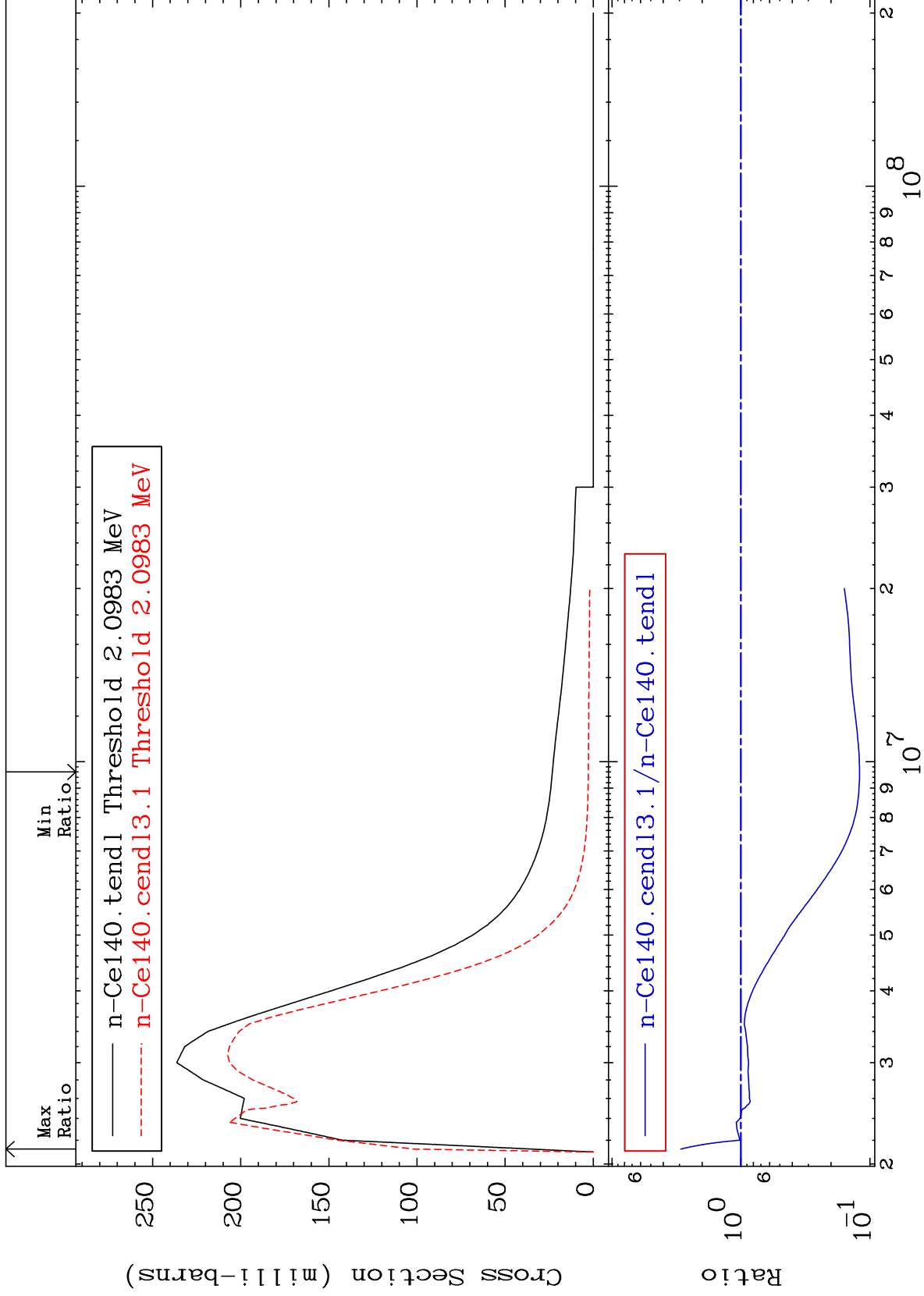
58-Ce-140
-2.016 To 9999. %



MAT 5837

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

58-Ce-140
-87.97 To 193.0 %



10

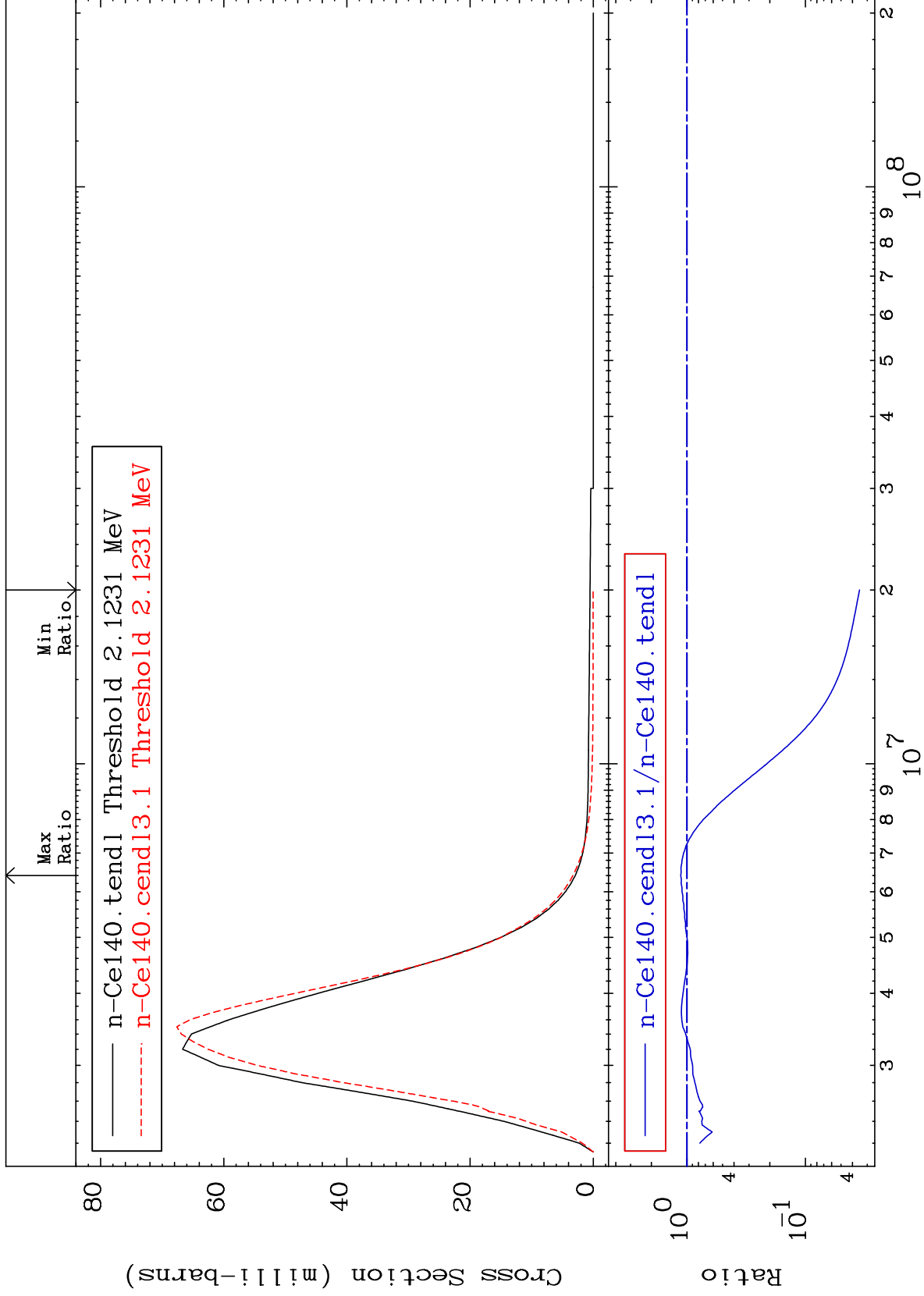
Incident Energy (eV)

58-Ce-140

MAT 5837

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

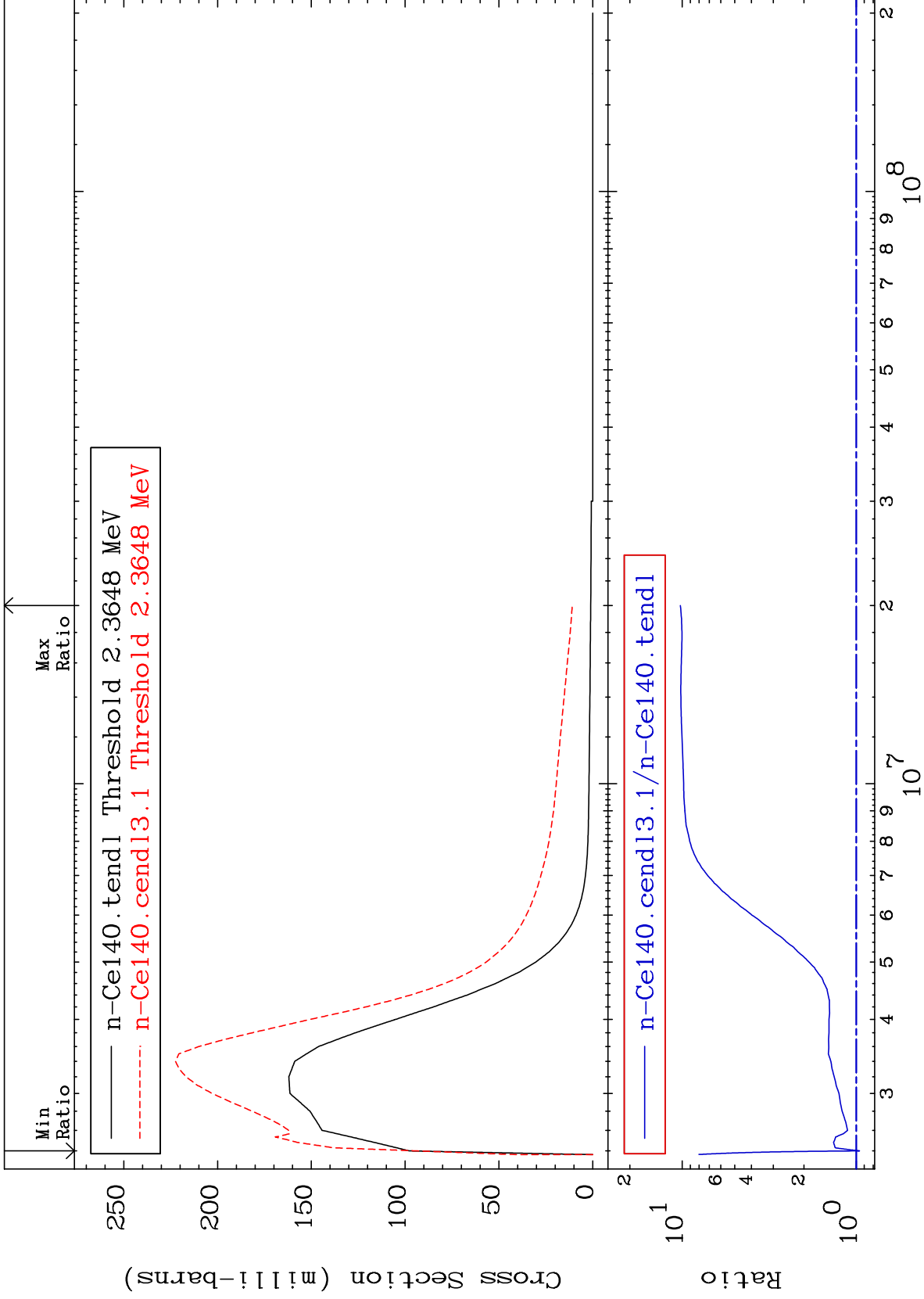
58-Ce-140
-96.51 To 12.89 %



MAT 5837

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

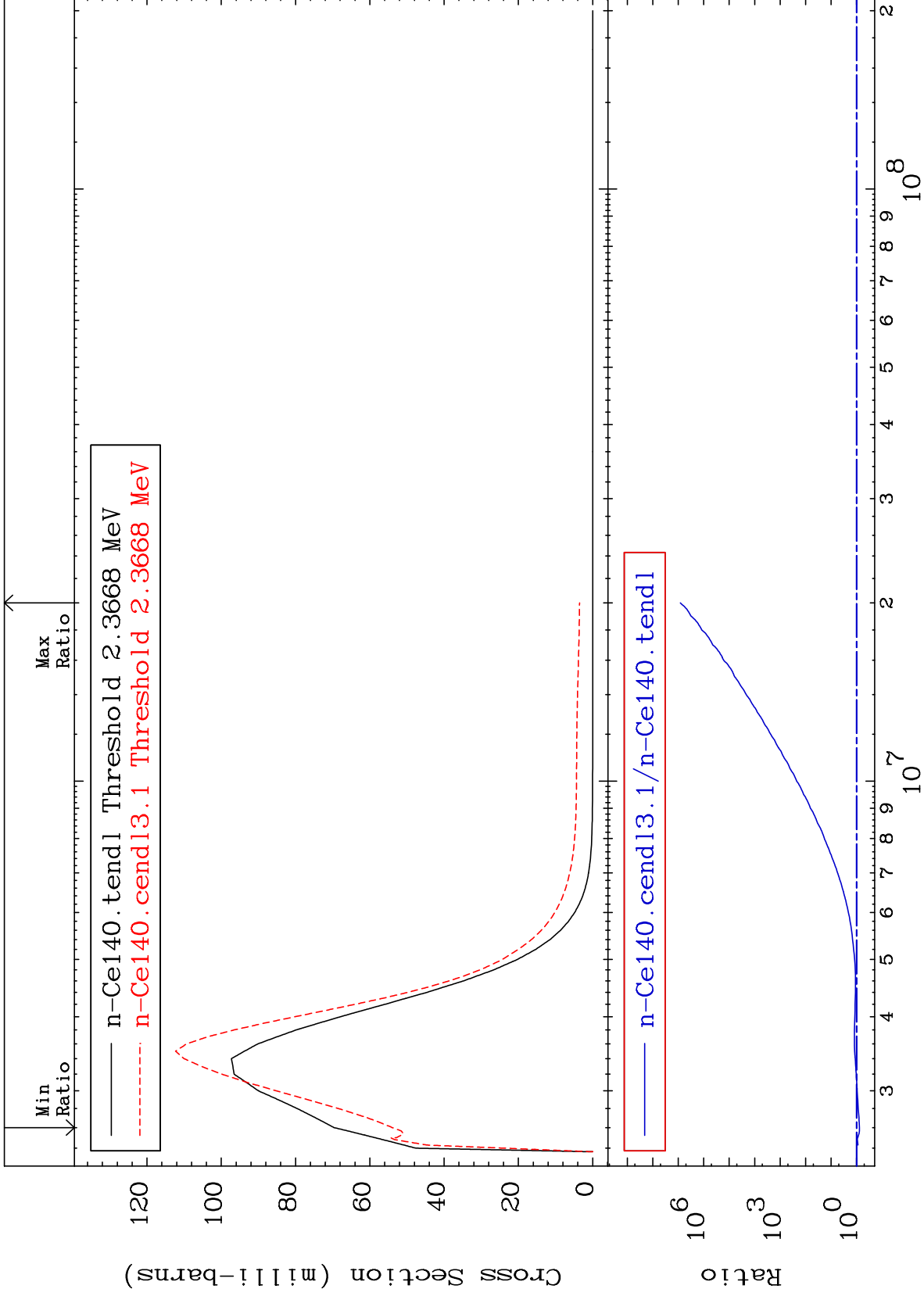
58-Ce-140
-4.145 To 925.7 %



MAT 5837

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

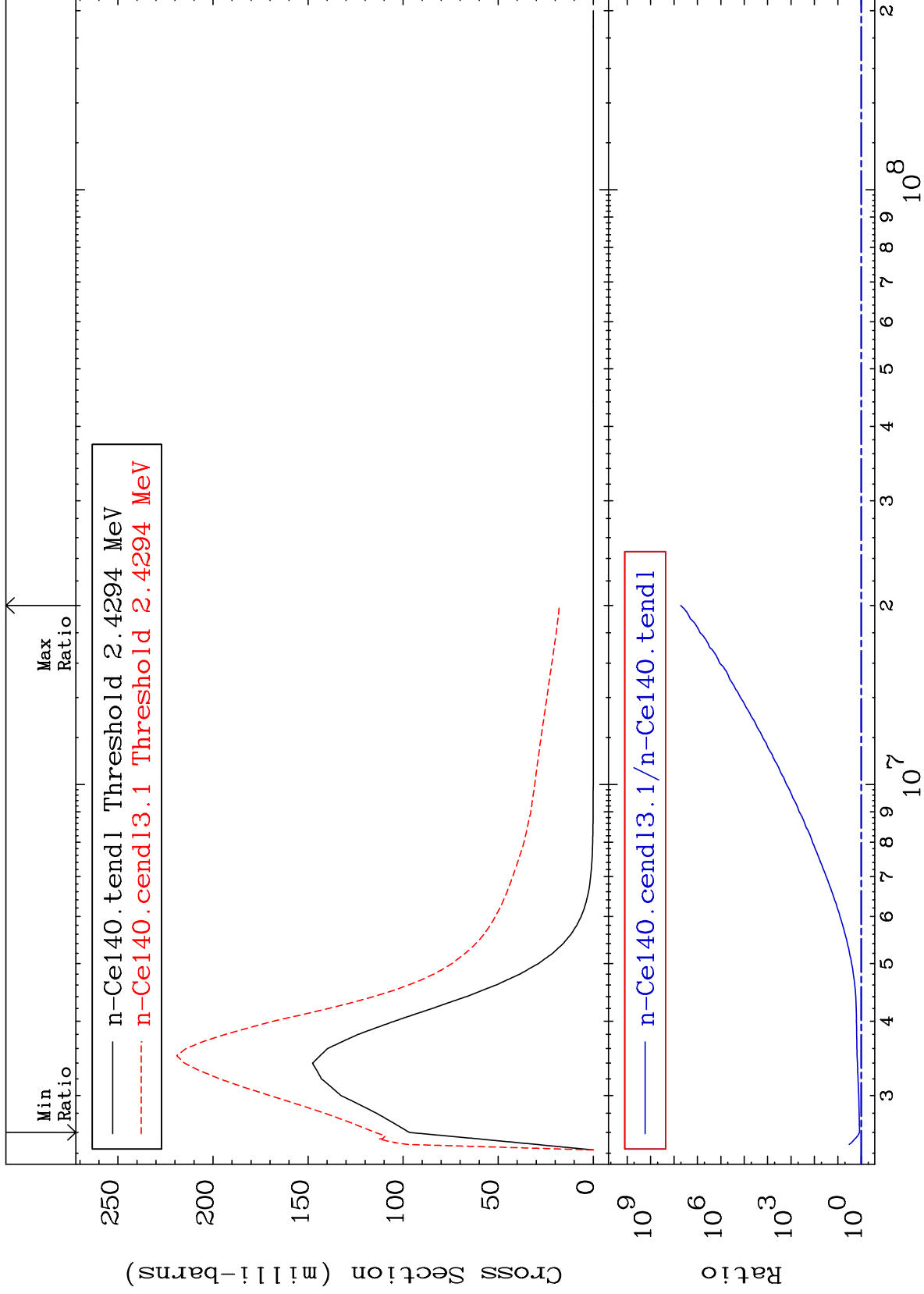
58-Ce-140
-22.49 To 9999. %



MAT 5837

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

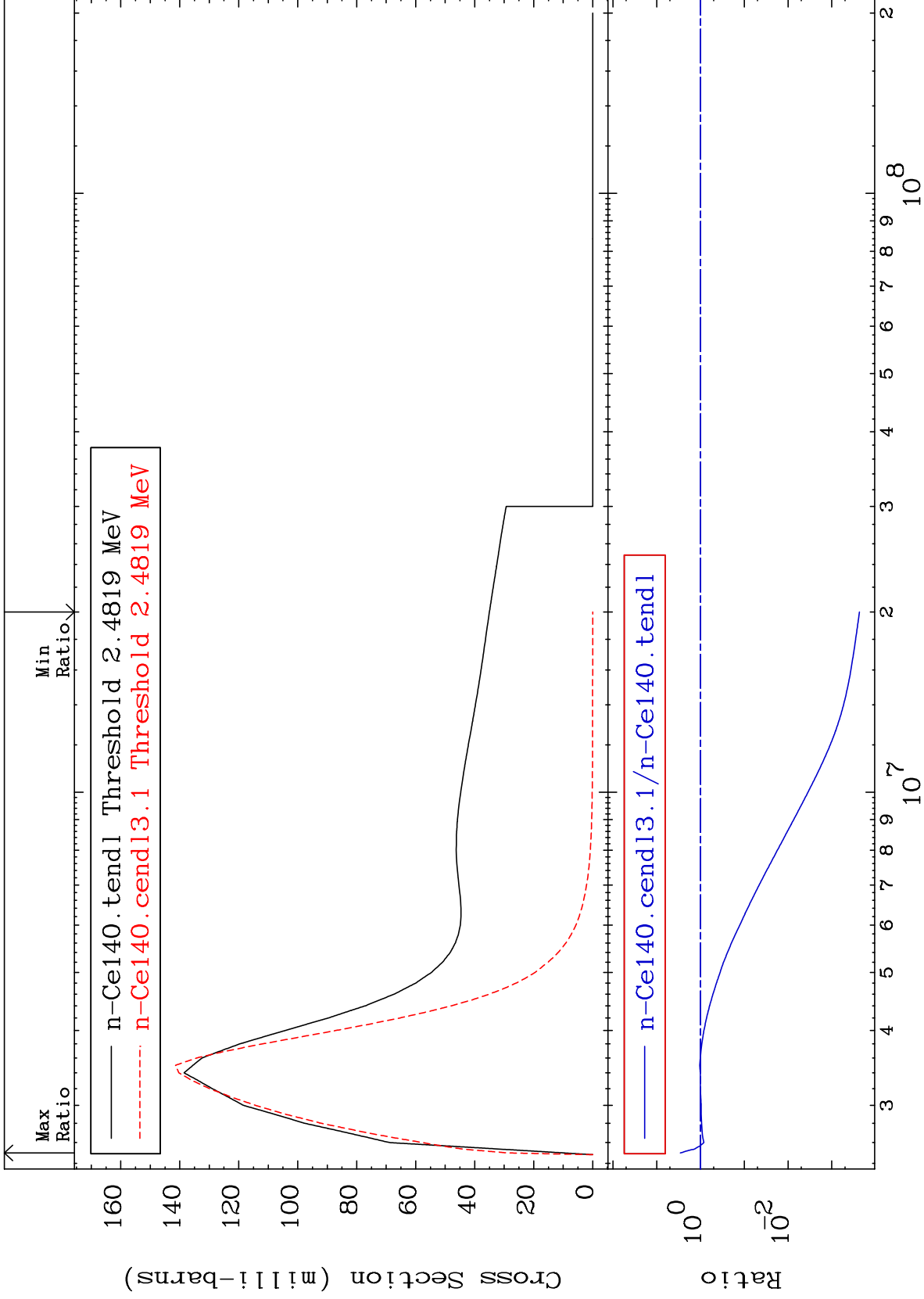
58-Ce-140
18.58 To 9999. %



MAT 5837

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

58-Ce-140
-99.98 To 189.1 %



15

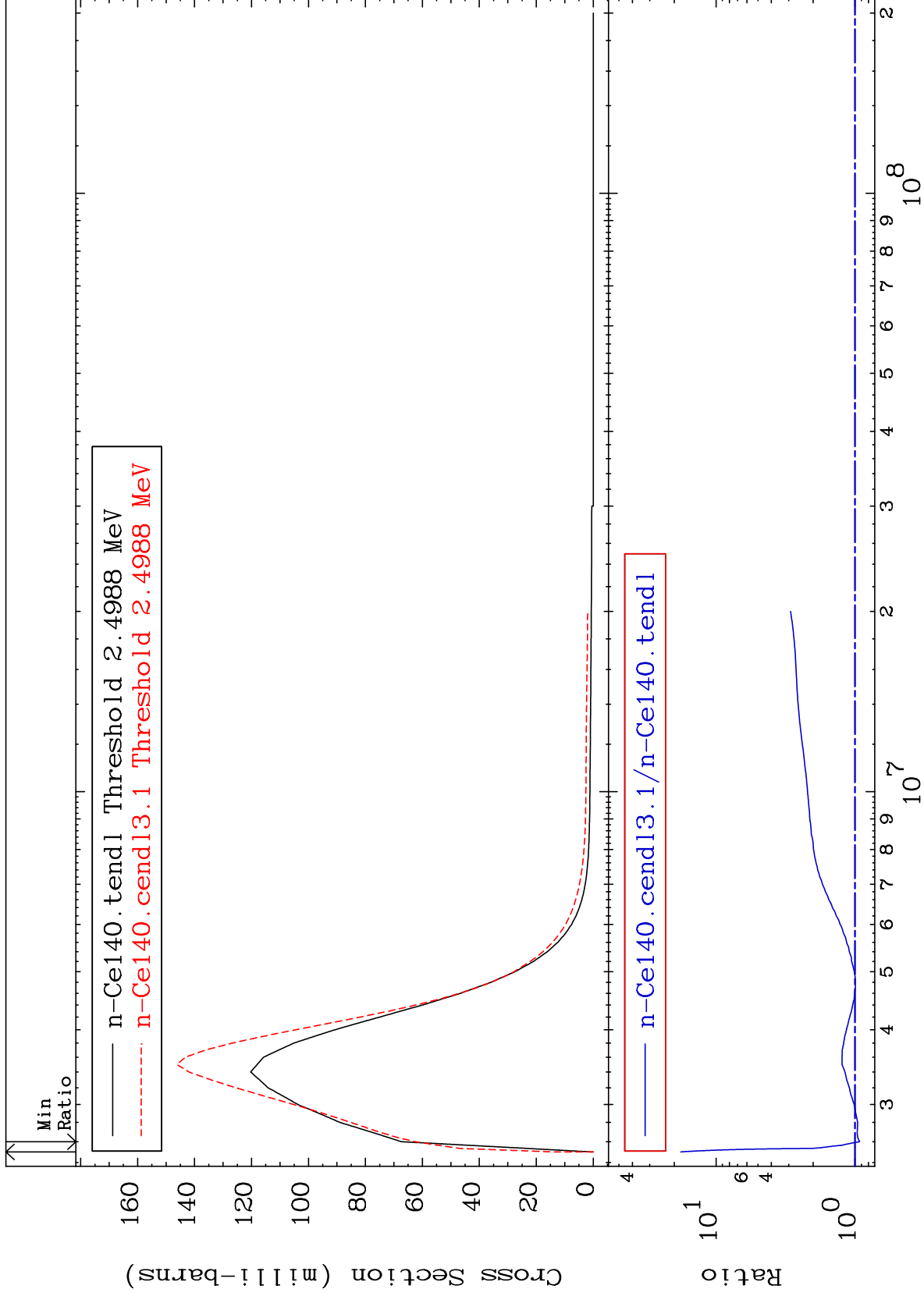
Incident Energy (eV)

58-Ce-140

MAT 5837

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

58-Ce-140
-7.318 To 1695. %



16

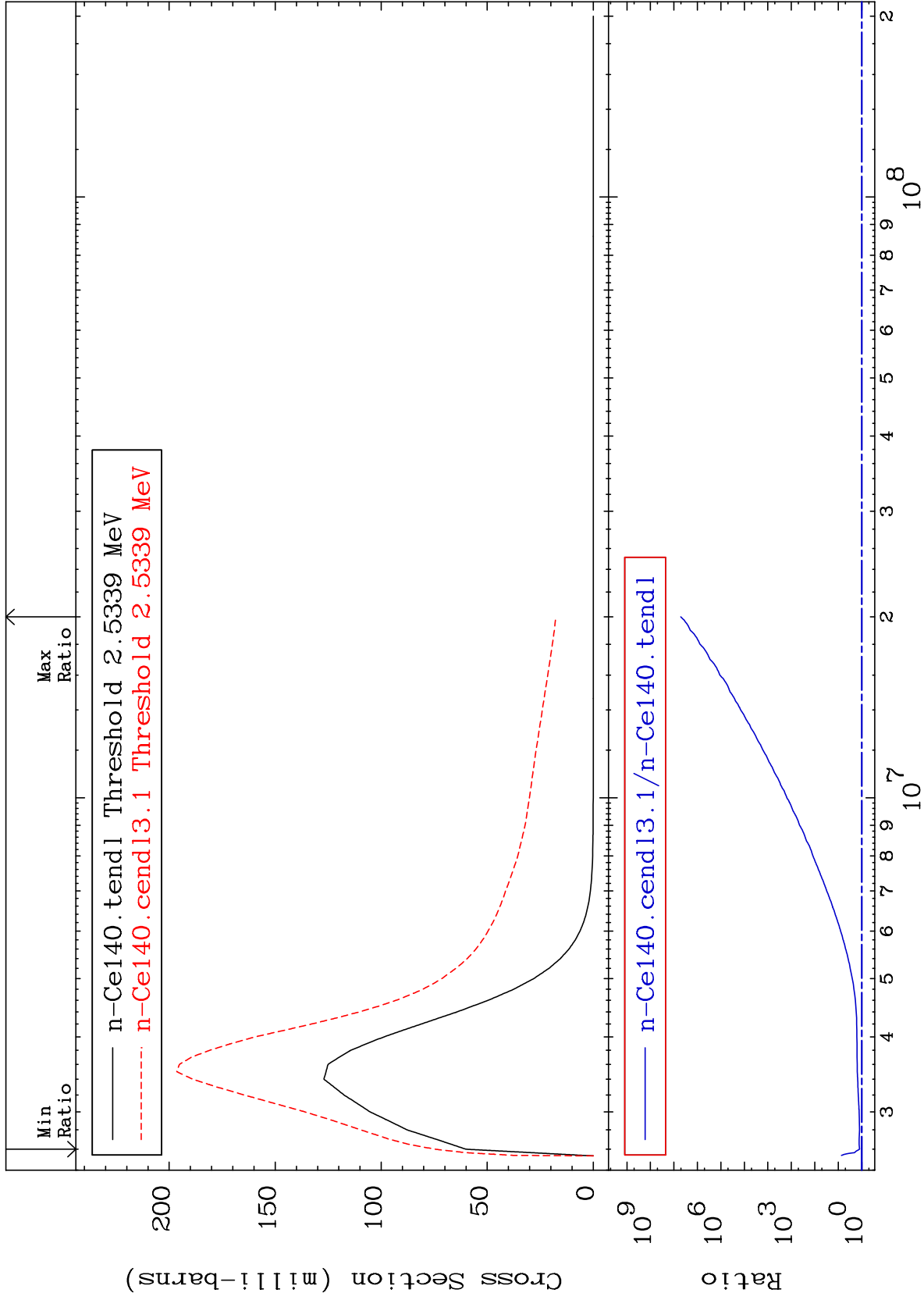
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 60 (n,n') Level
Cross Section

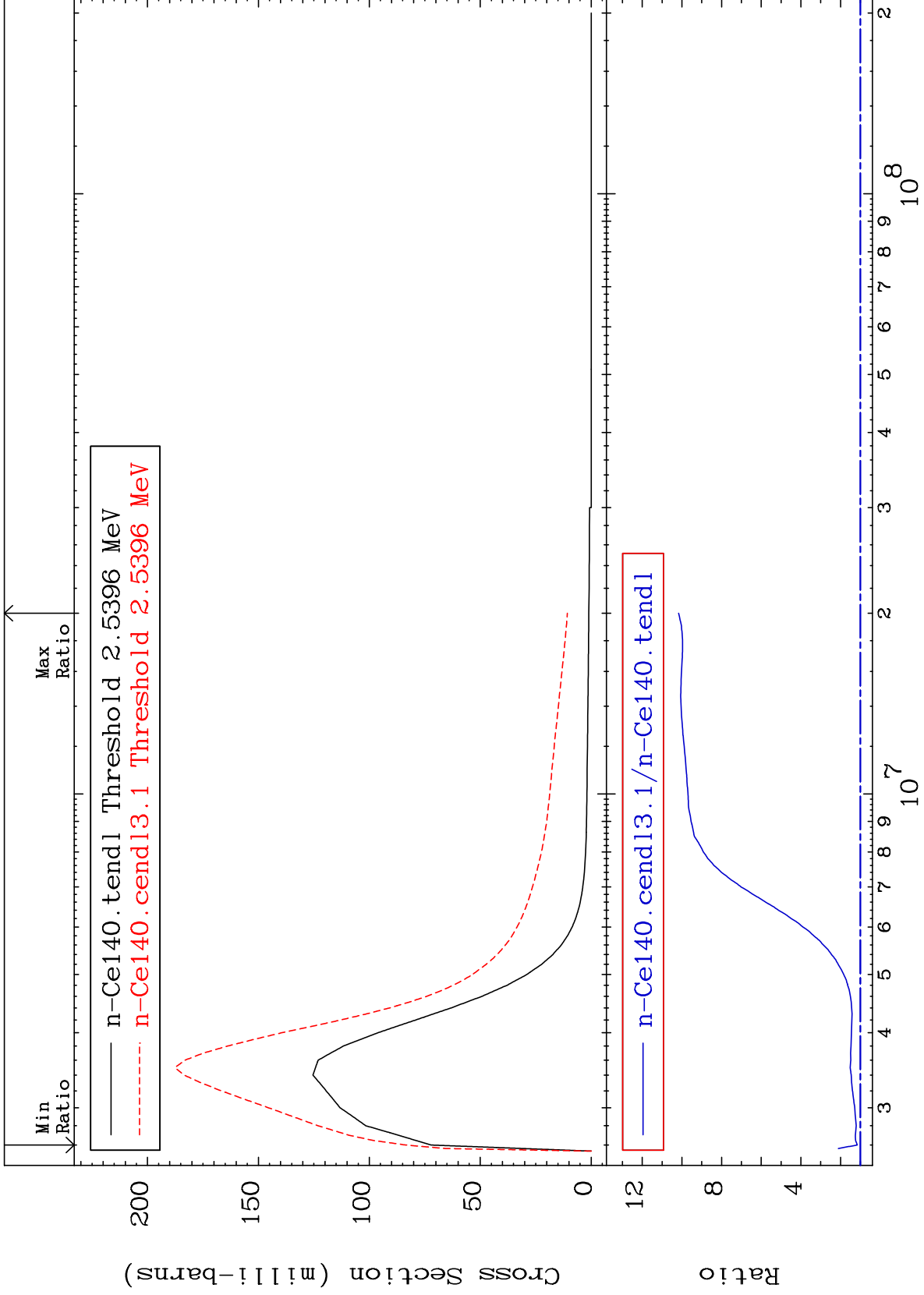
58-Ce-140
24.11 To 9999. %



MAT 5837

MT= 61 (n,n') Level
Cross Section

58-Ce-140
15.73 To 916.6 %



18

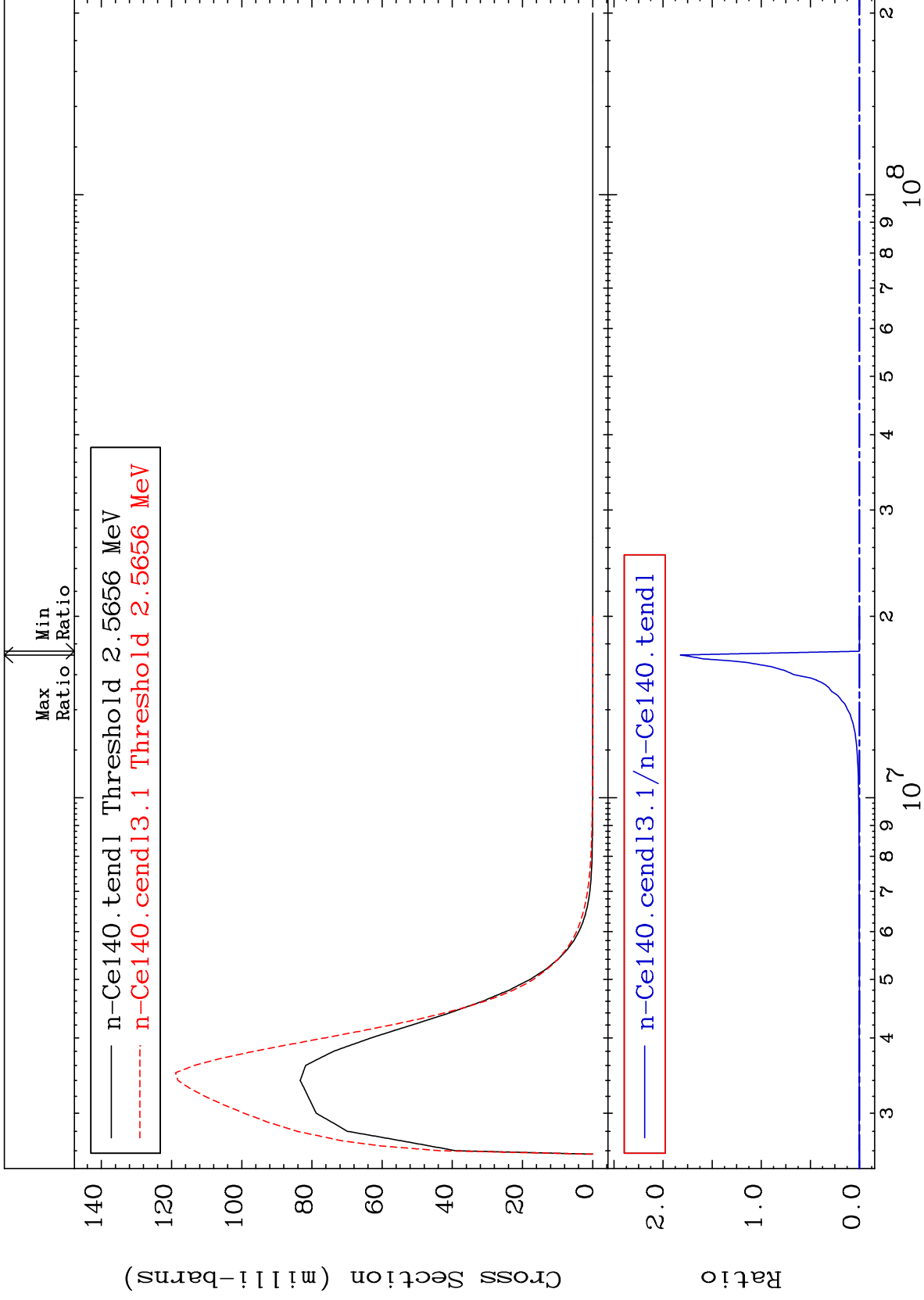
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 62 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 9999. %



19

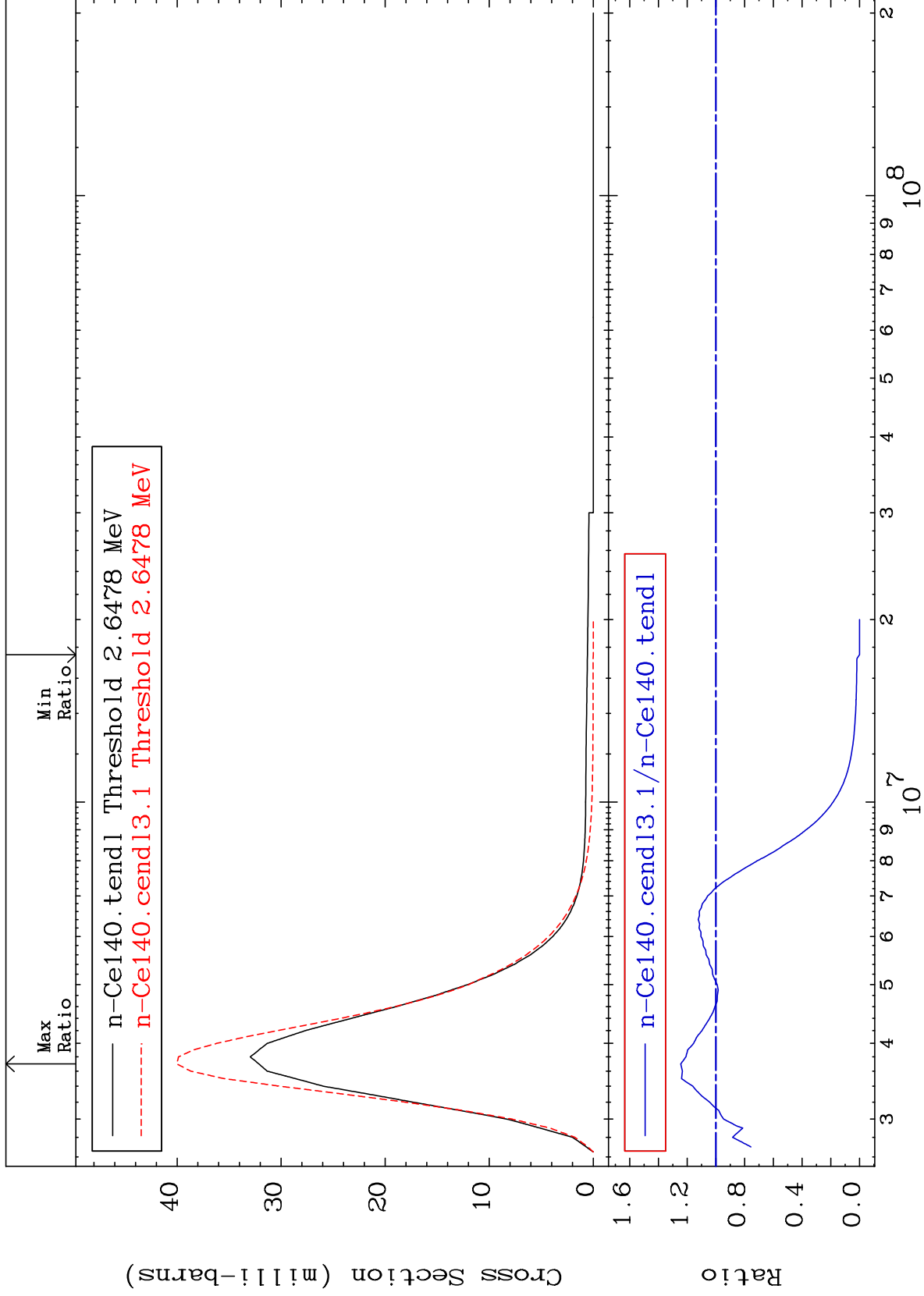
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 63 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 24.50 %



20

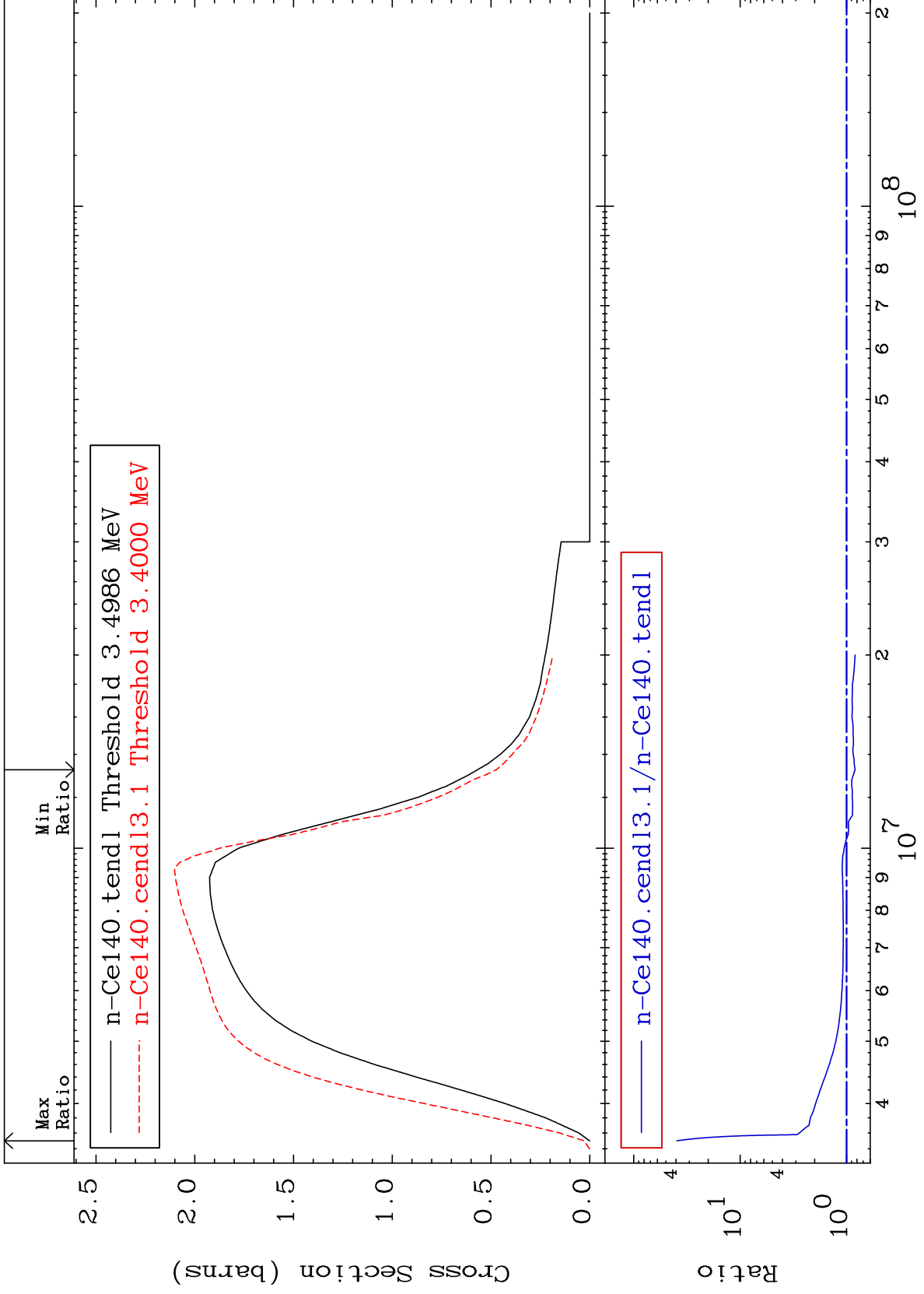
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,n') Continuum
Cross Section

58-Ce-140
-16.76 To 3830. %



21

Incident Energy (eV)

58-Ce-140

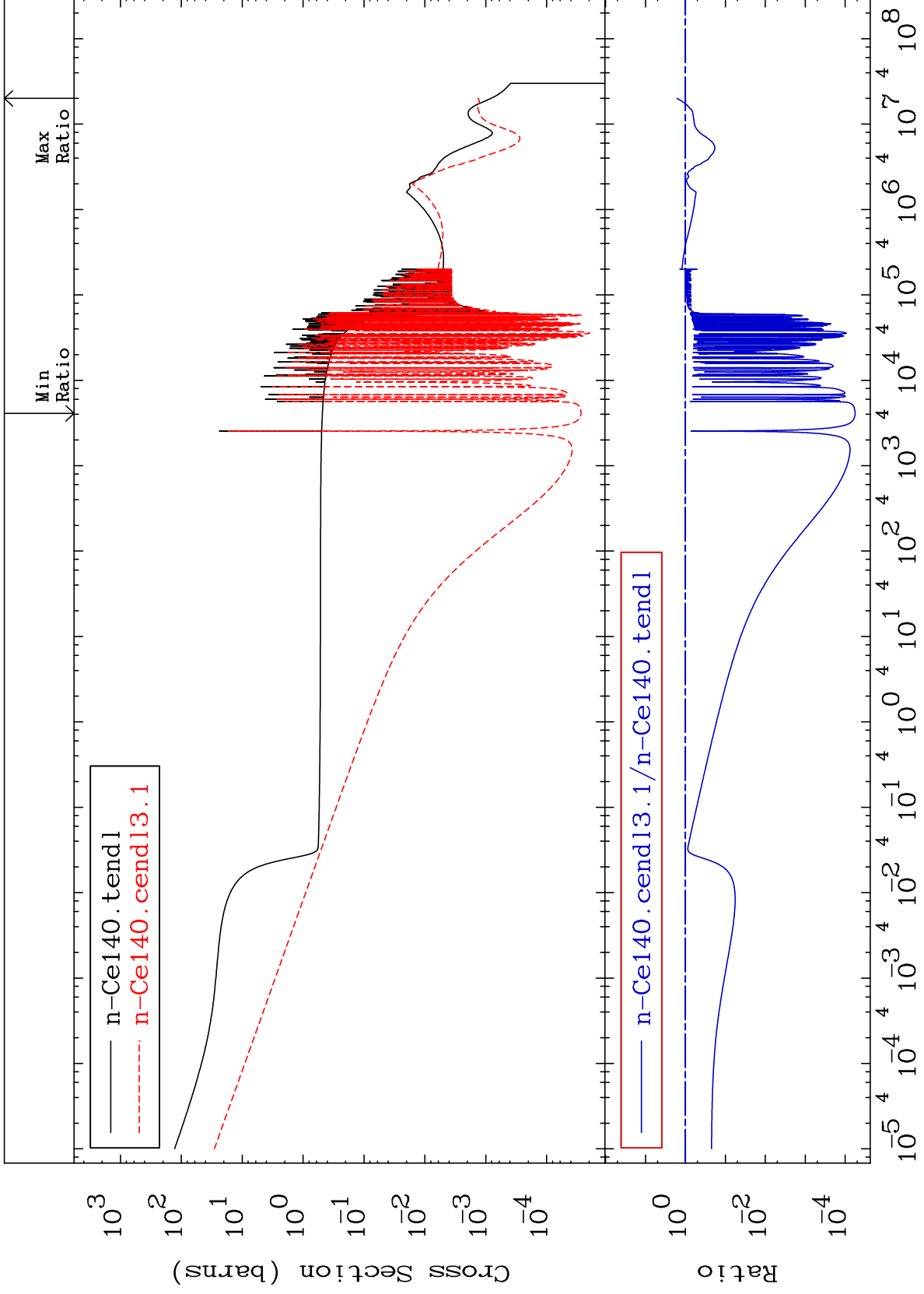
MAT 5837

(n, γ)

58-Ce-140

Cross Section

-99.99 To 63.39 %



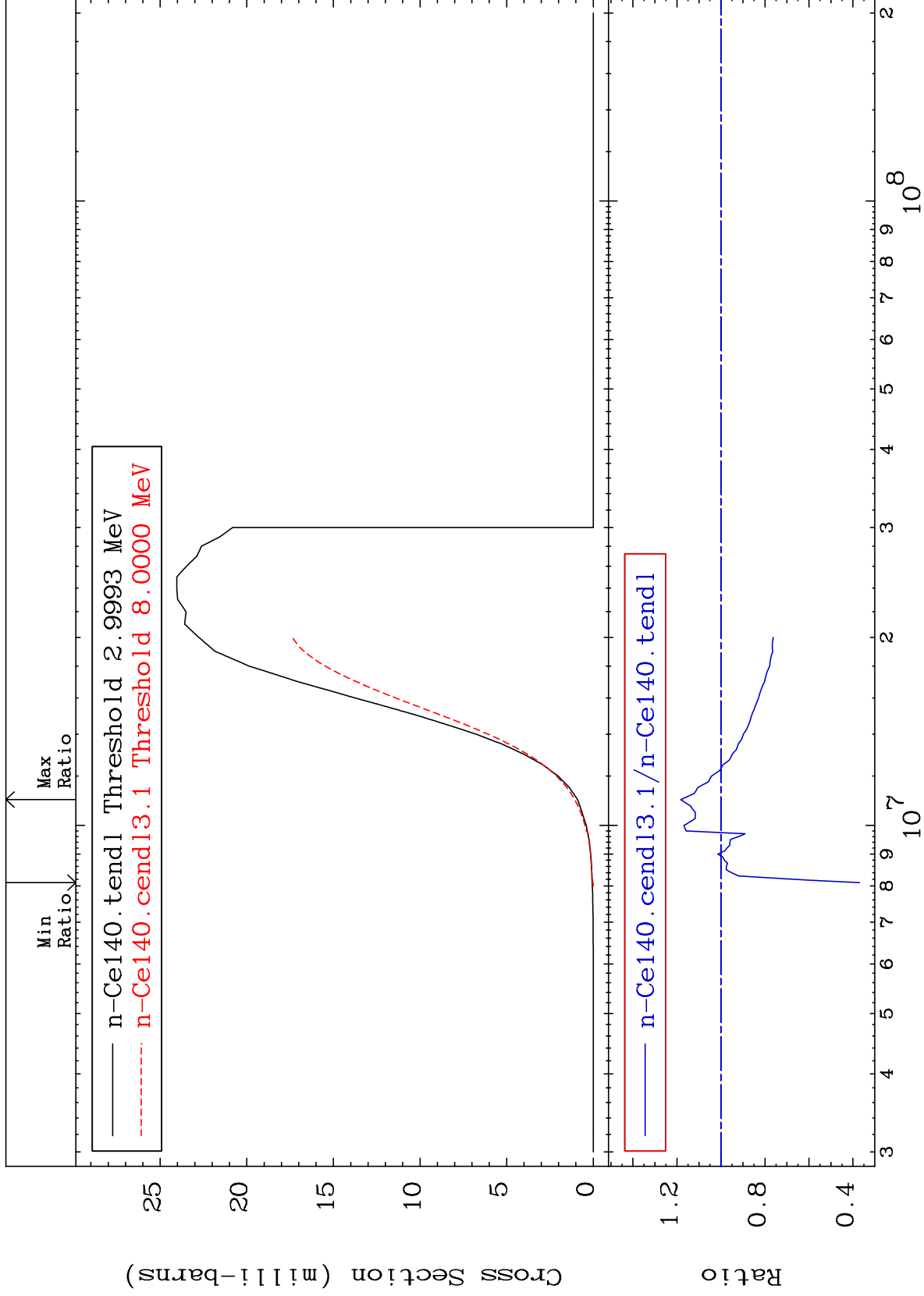
MAT 5837

(n,p)

58-Ce-140

Cross Section

-62.98 To 18.27 %



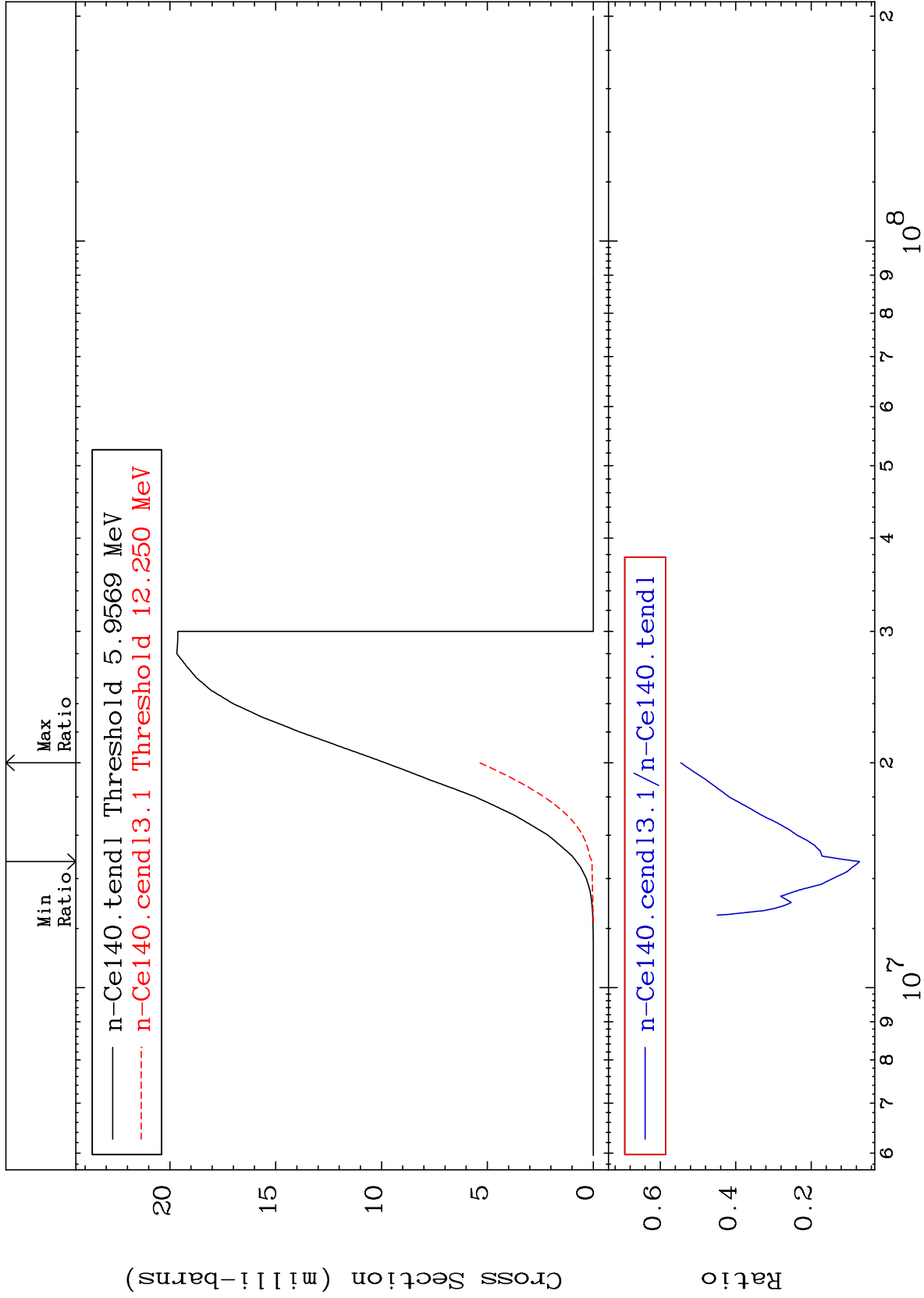
MAT 5837

(n, d)

58-Ce-140

Cross Section

-92.83 To -45.43%



24

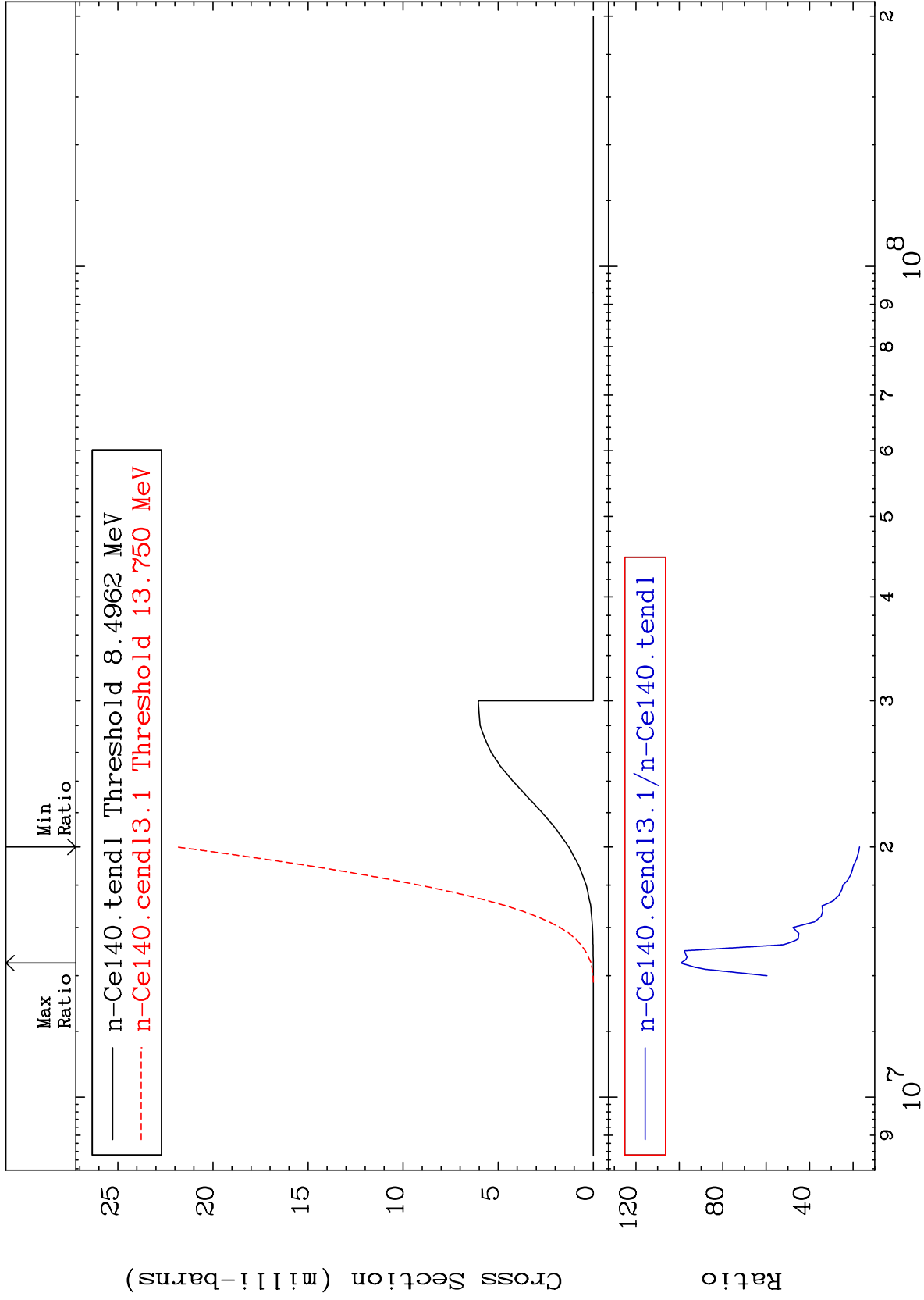
MAT 5837

(n, t)

58-Ce-140

Cross Section

1598. To 9834. %



25

Incident Energy (eV)

58-Ce-140

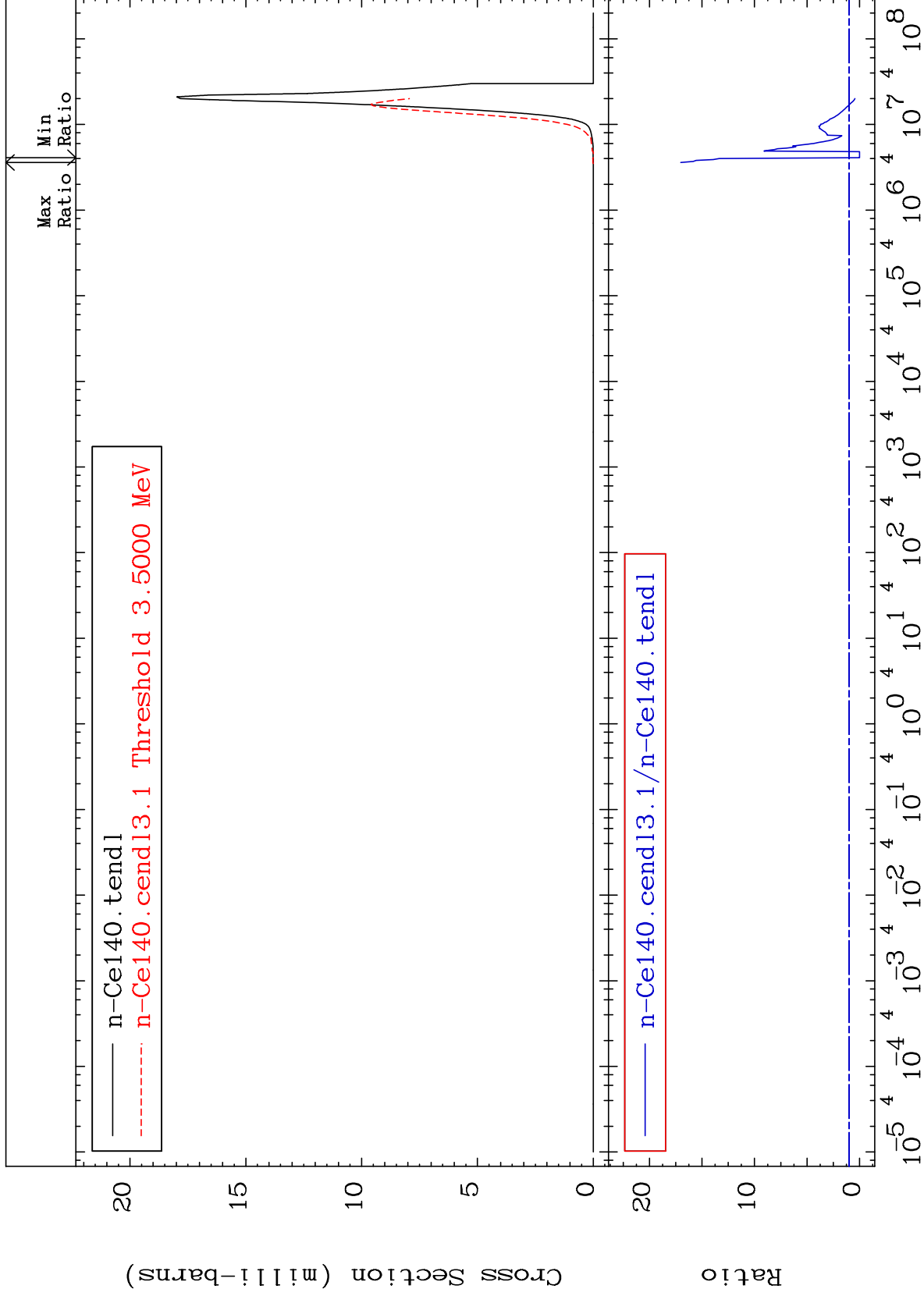
MAT 5837

(n, α)

58-Ce-140

Cross Section

-100.0 To 1602. %

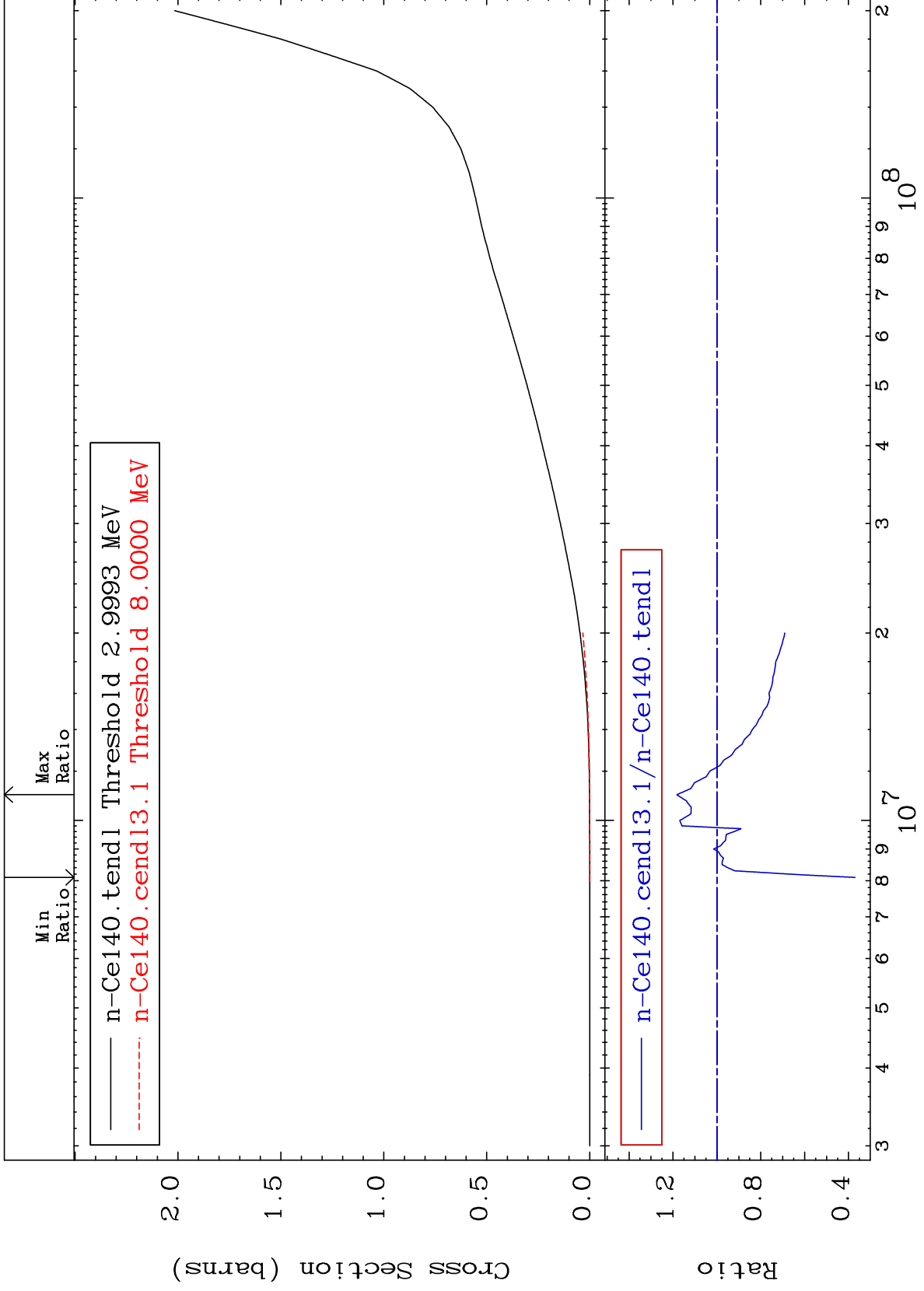


26

MAT 5837

Hydrogen Production
Cross Section

58-Ce-140
-62.98 To 18.20 %



27

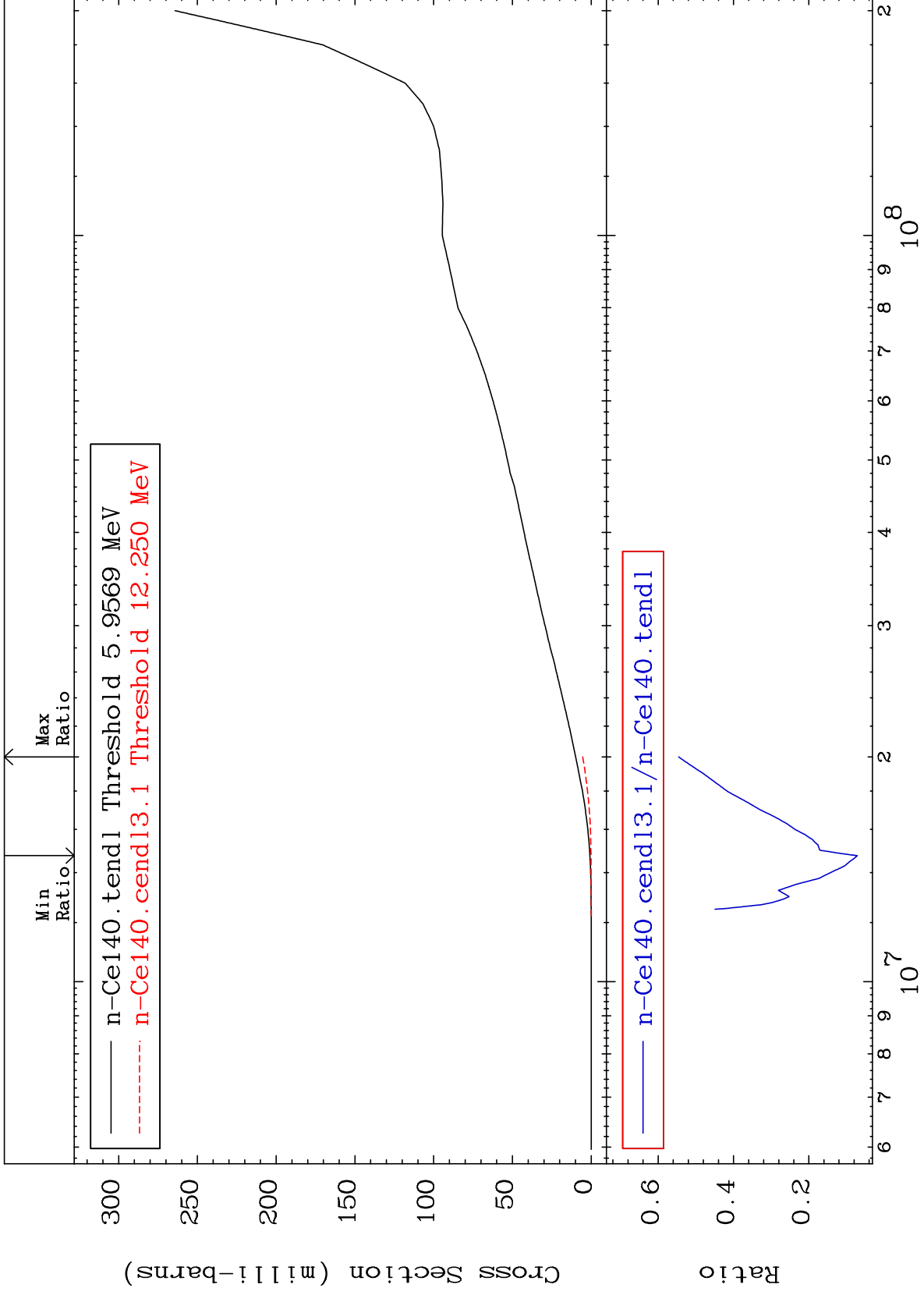
Incident Energy (eV)

58-Ce-140

MAT 5837

Deuterium Production
Cross Section

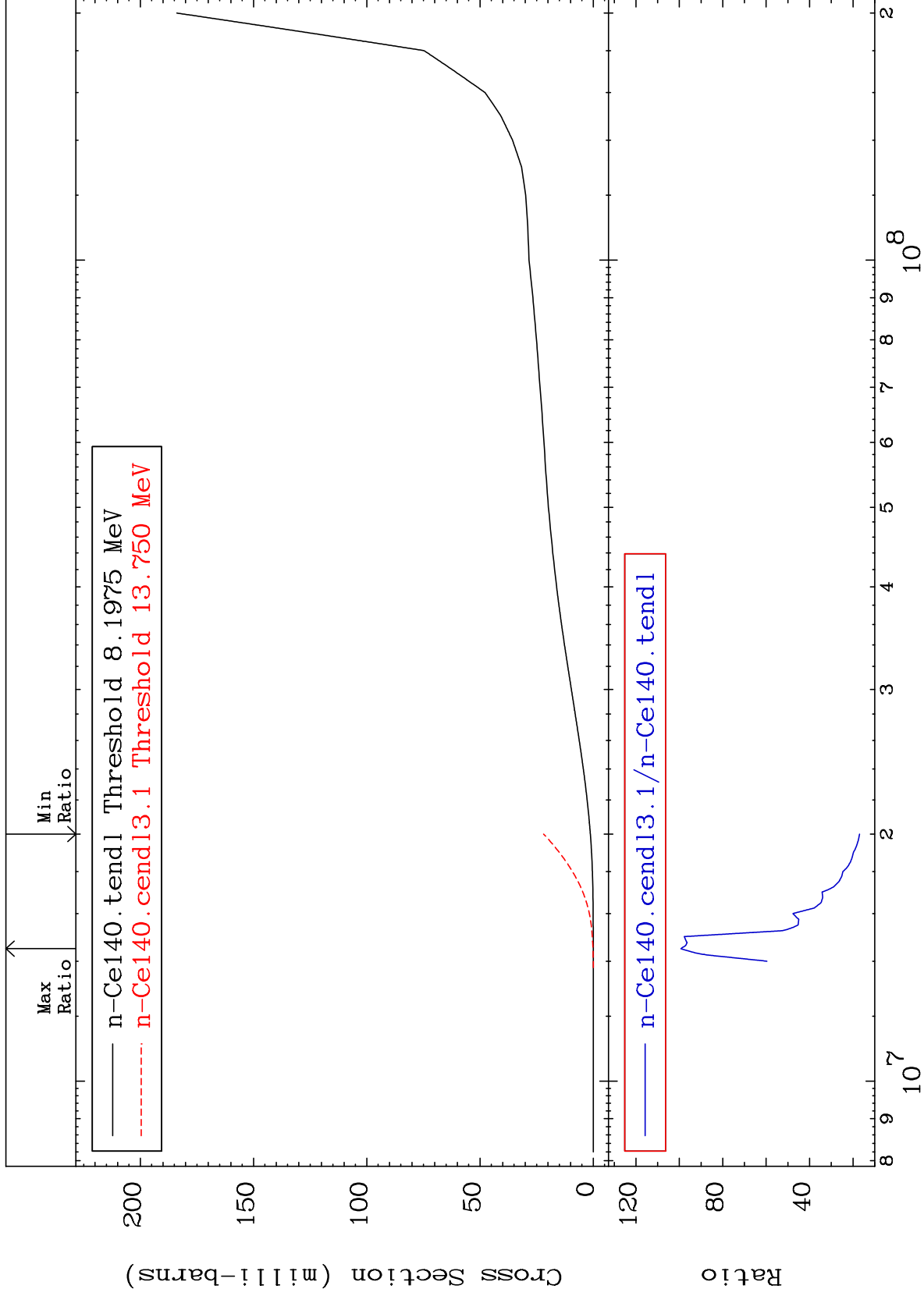
58-Ce-140
-92.83 To -45.44%



MAT 5837

Tritium Production
Cross Section

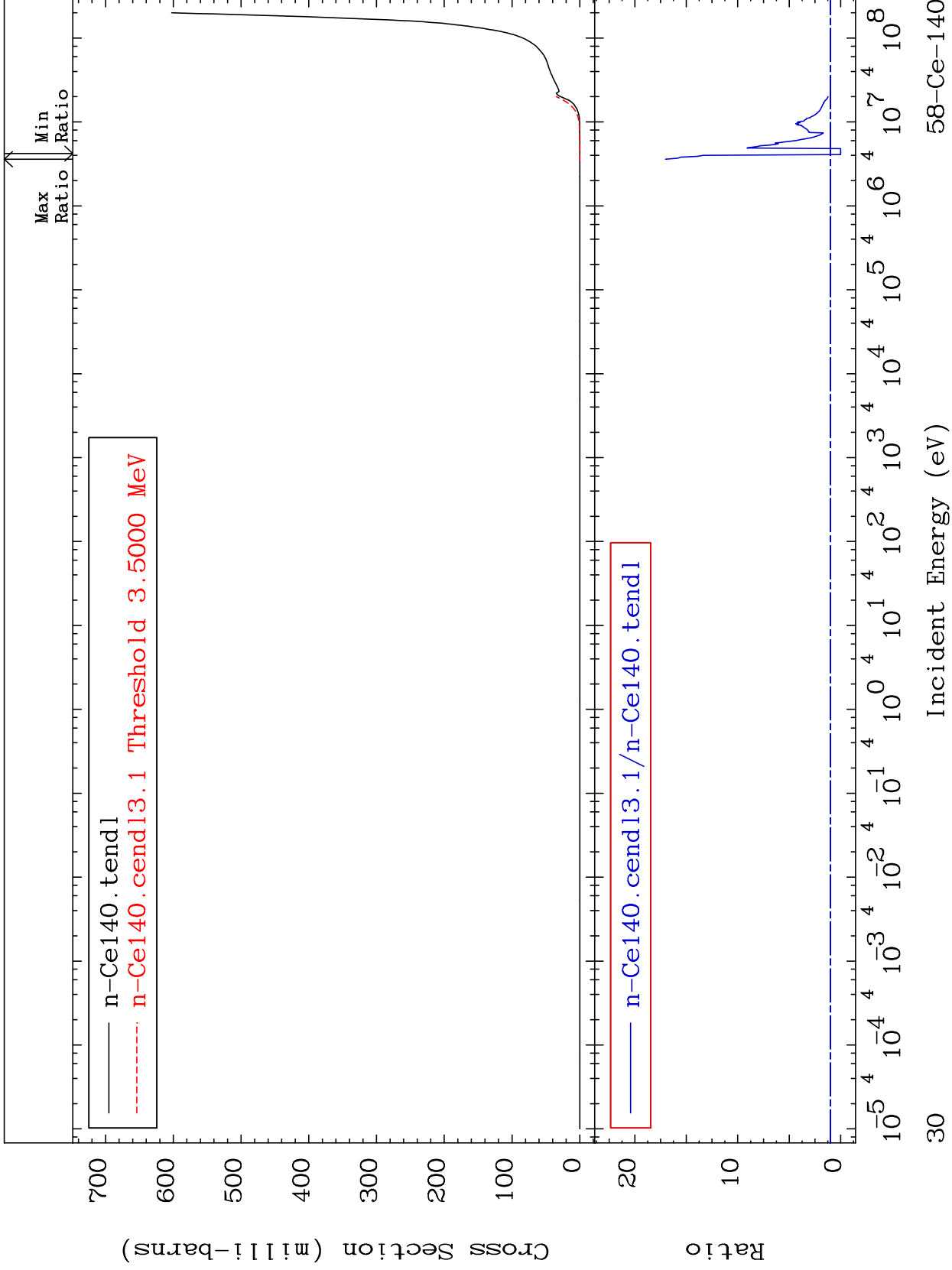
58-Ce-140
1598. To 9834. %



MAT 5837

He-4 Production
Cross Section

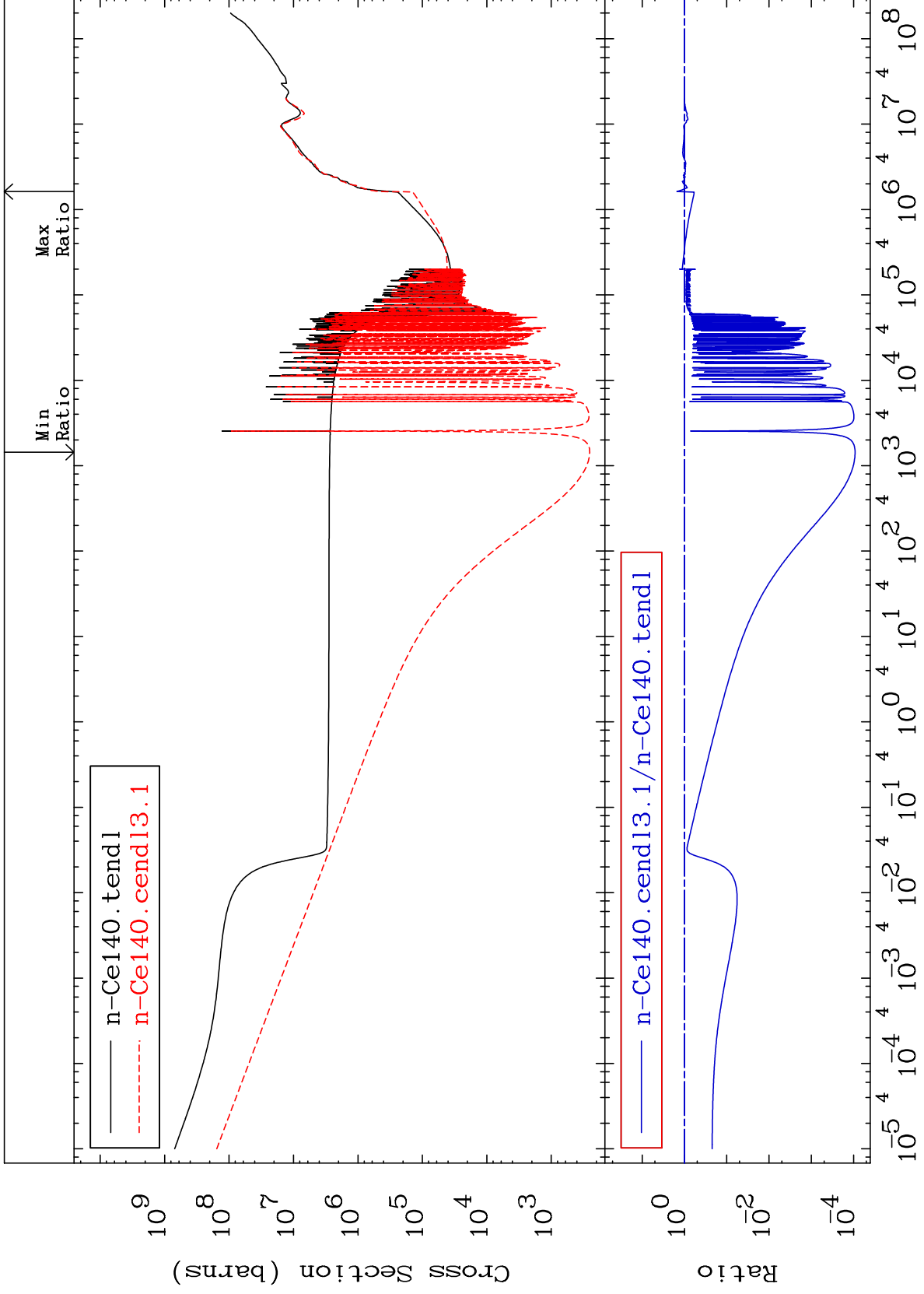
58-Ce-140
-100.0 To 1602. %



MAT 5837

Kerma total (eV-barns)
Cross Section

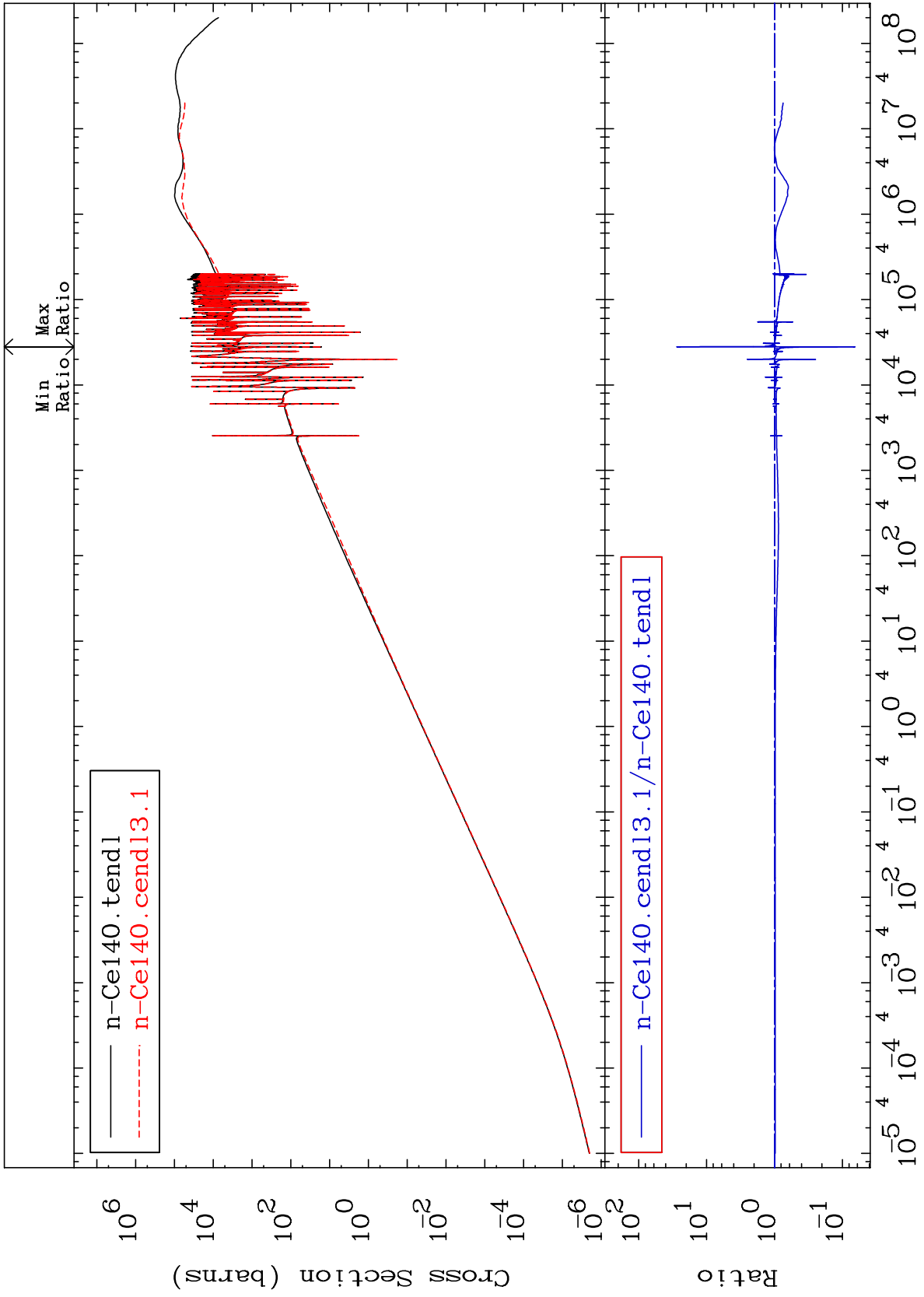
58-Ce-140
-99.99 To 50.84 %

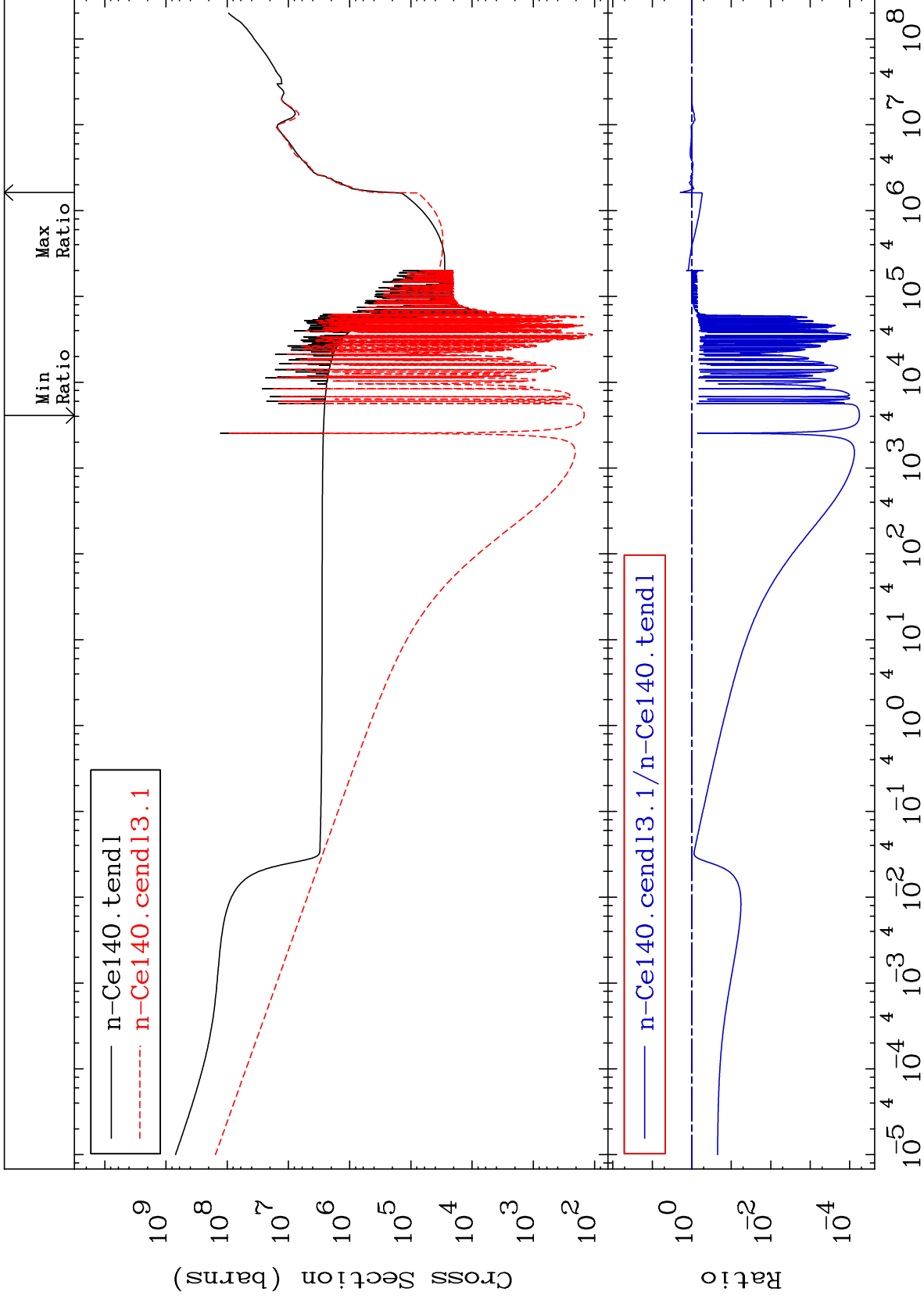


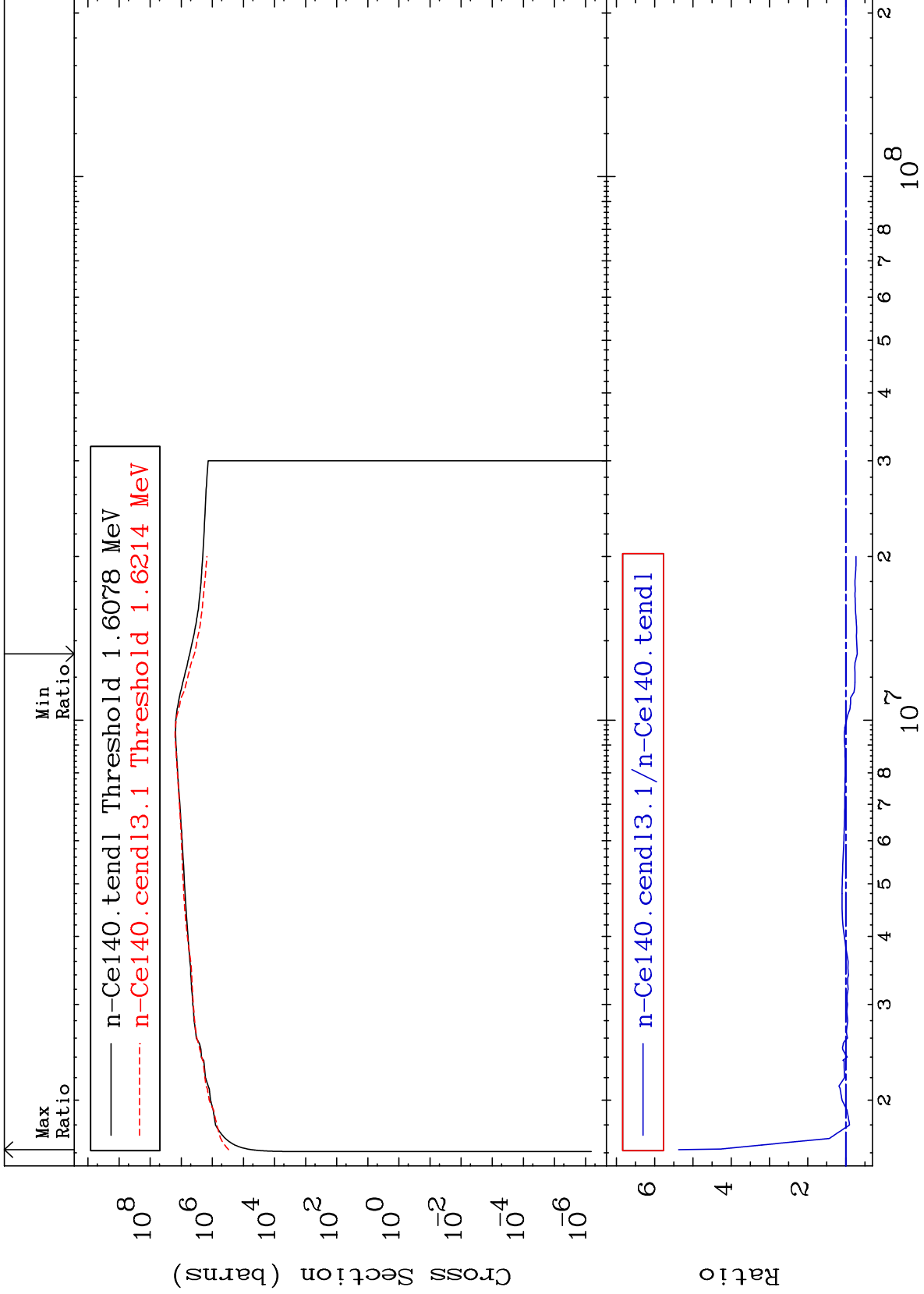
MAT 5837

Kerma elastic
Cross Section

58-Ce-140
-93.50 To 2636. %



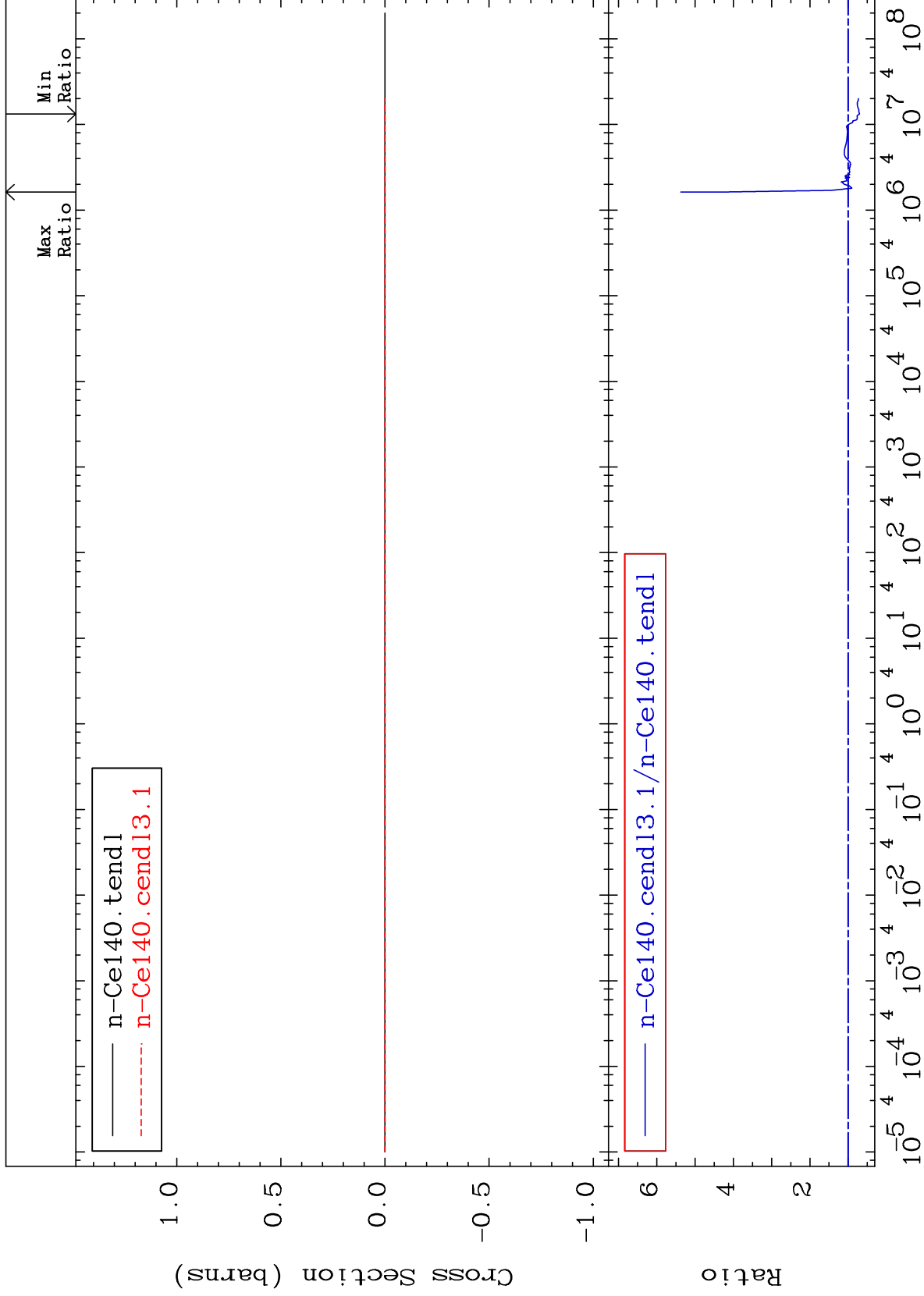




MAT 5837

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

58-Ce-140
-29.71 To 437.4 %



35

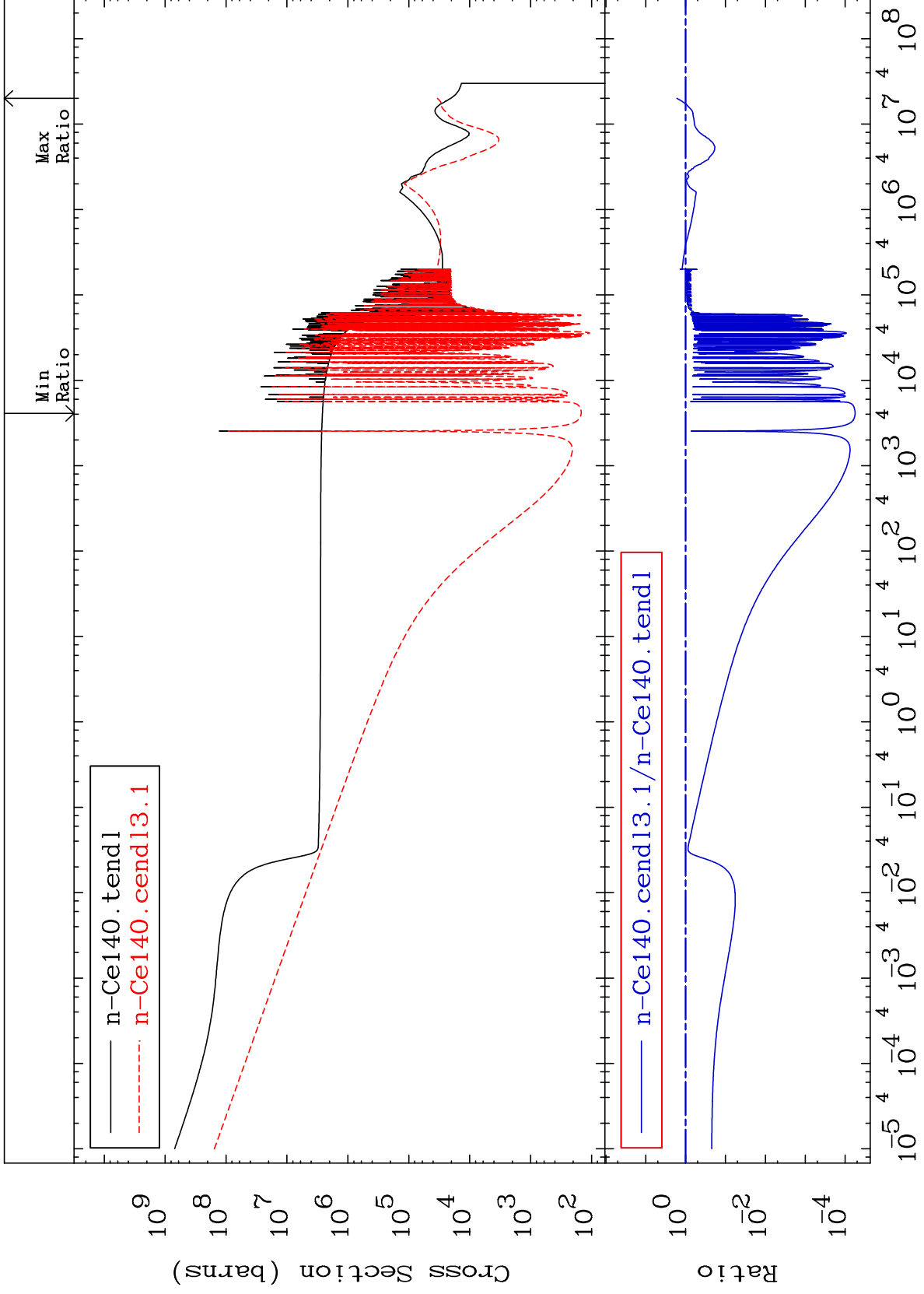
Incident Energy (eV)

58-Ce-140

MAT 5837

Kerma capture (mt102)
Cross Section

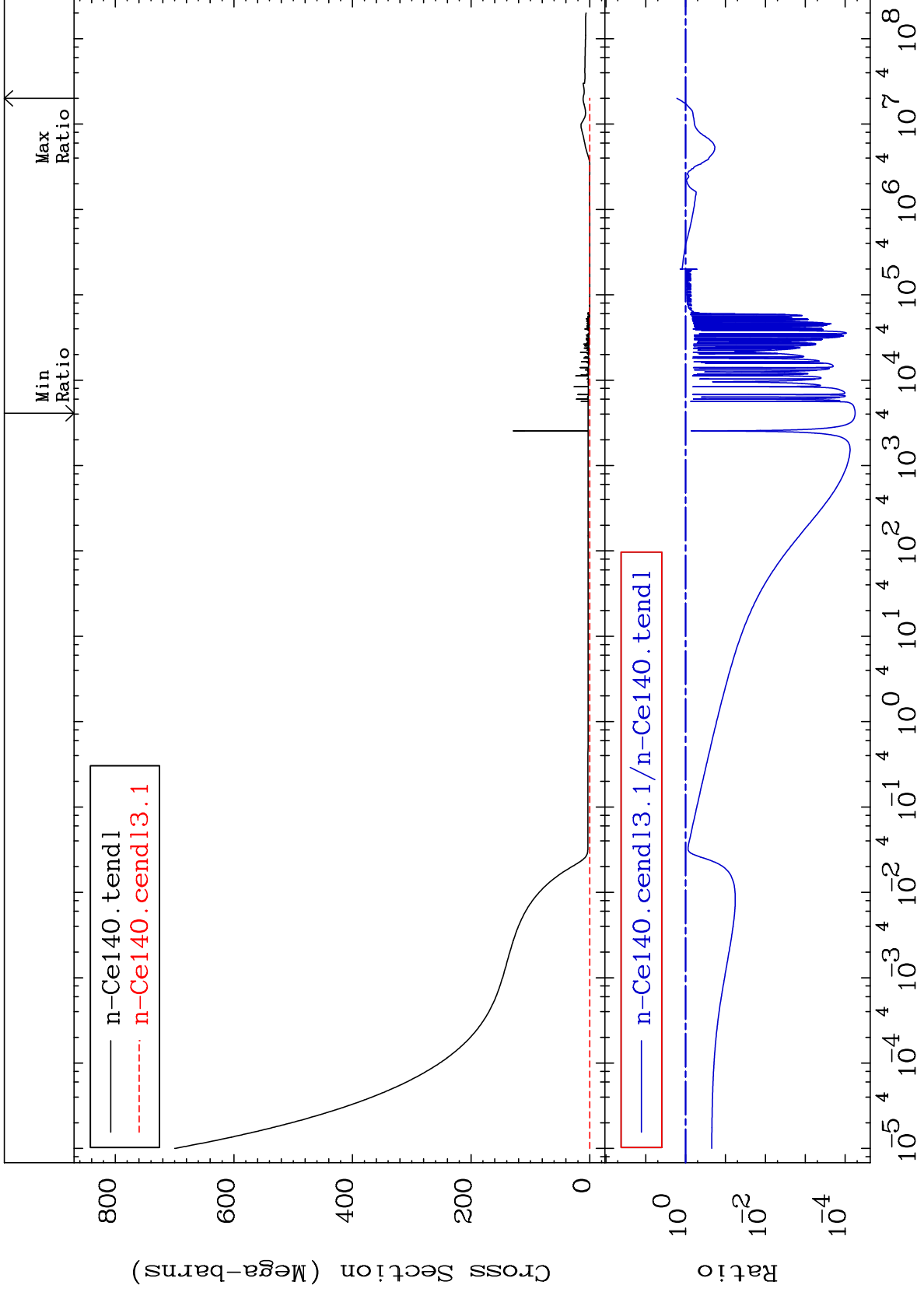
58-Ce-140
-99.99 To 65.24 %



MAT 5837

Total photon (eV-barns)
Cross Section

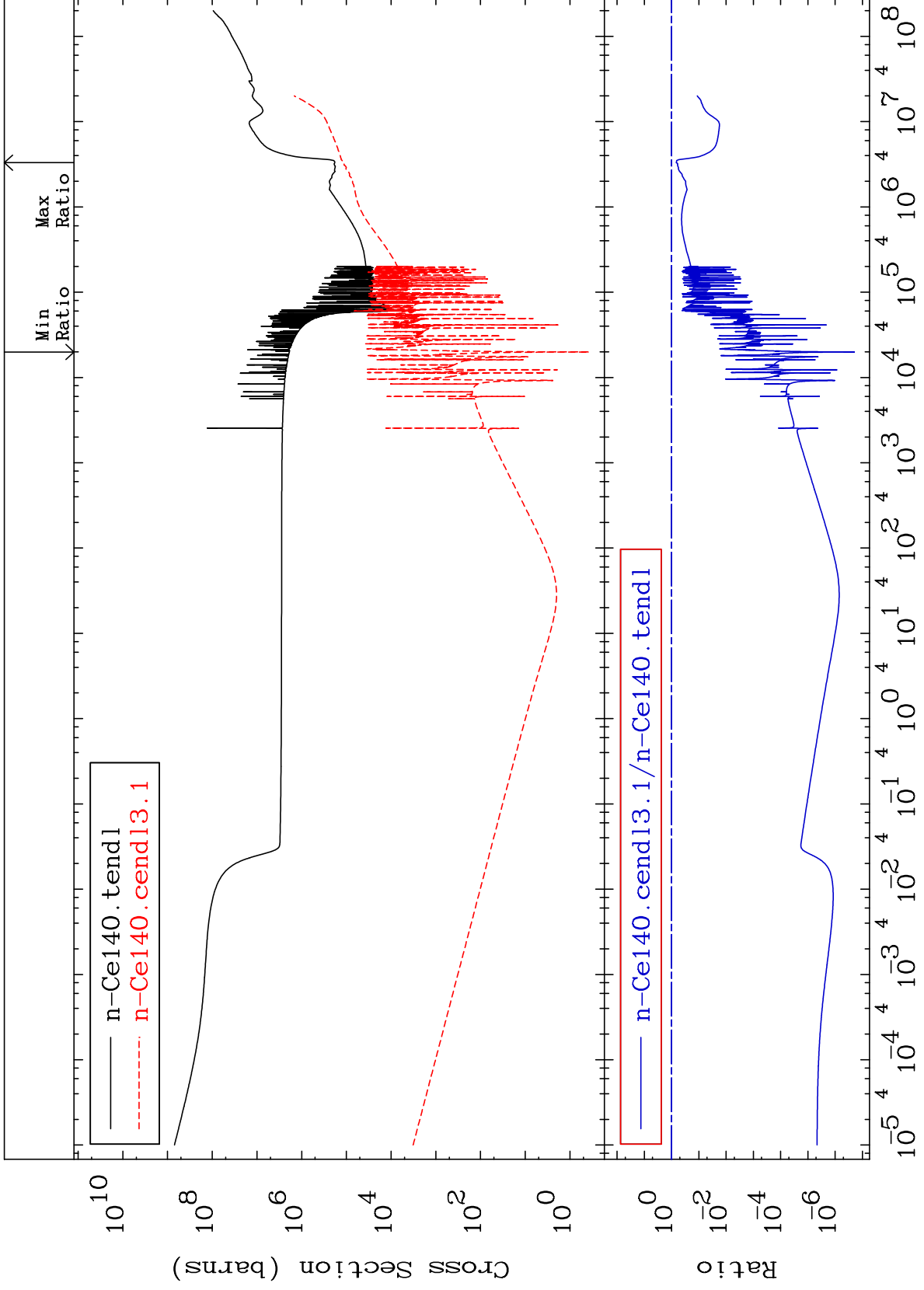
58-Ce-140
-99.99 To 65.24 %



37

Incident Energy (eV)

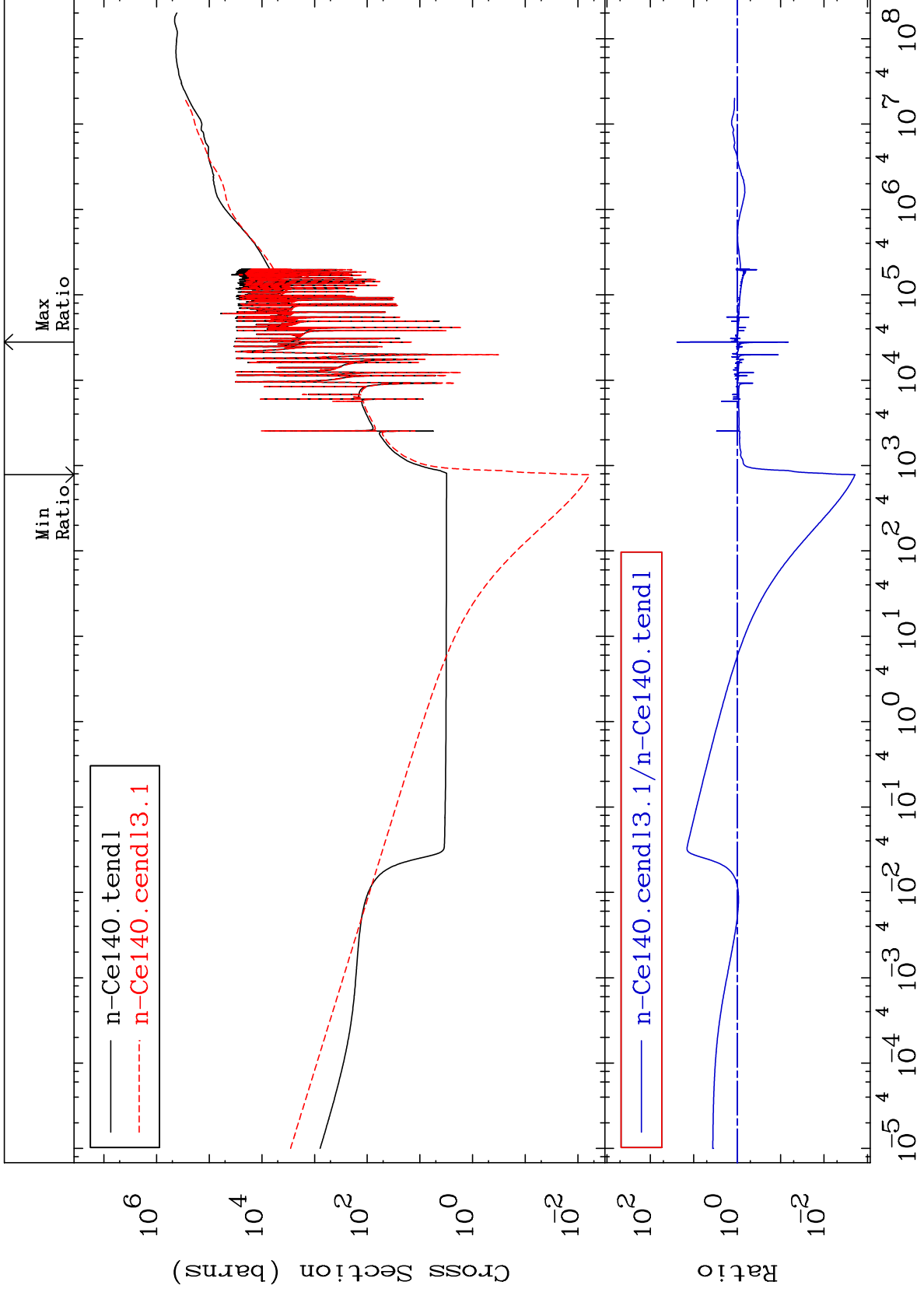
58-Ce-140



MAT 5837

Dpa total (eV-barns)
Cross Section

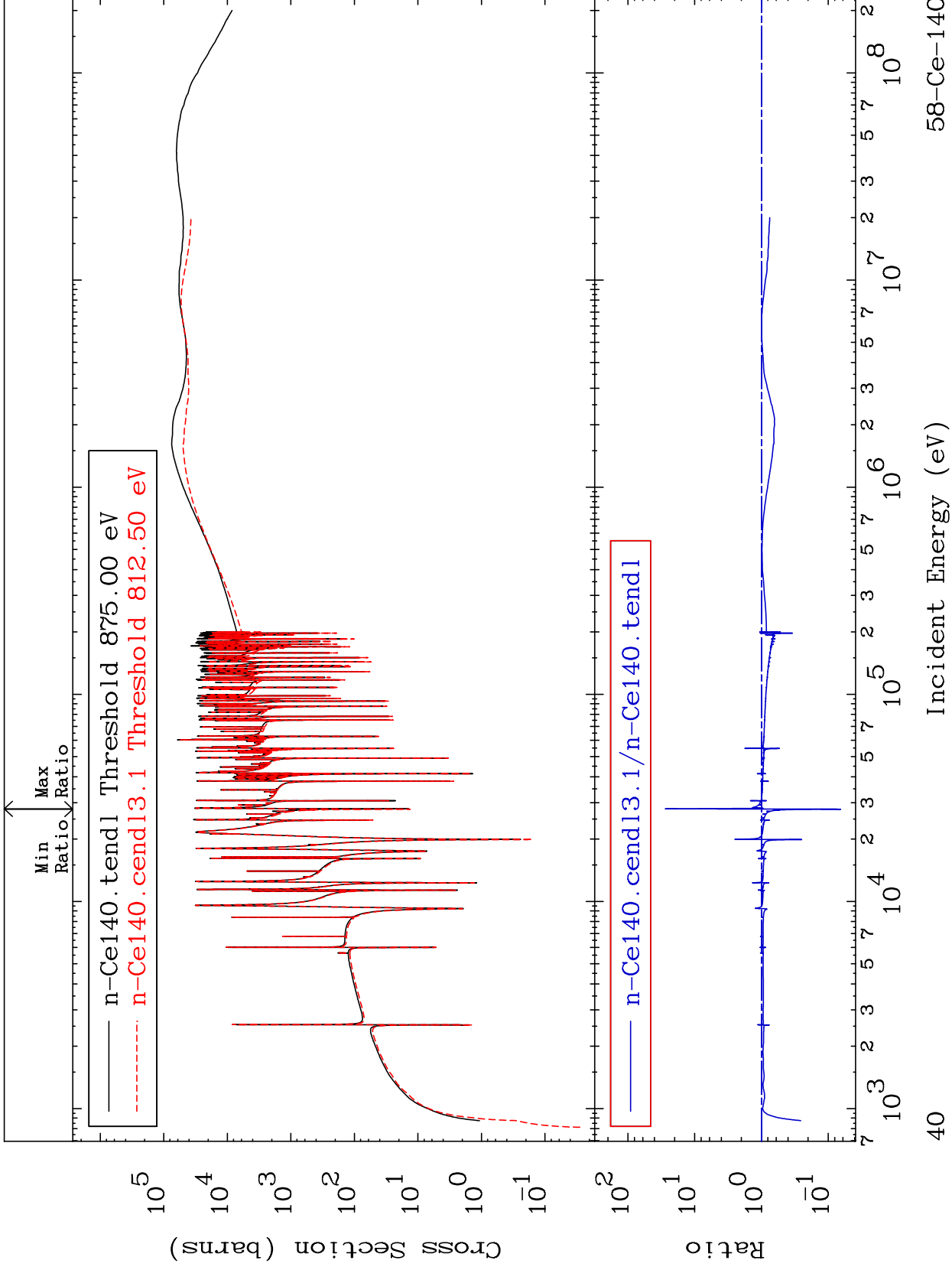
58-Ce-140
-99.81 To 2345. %

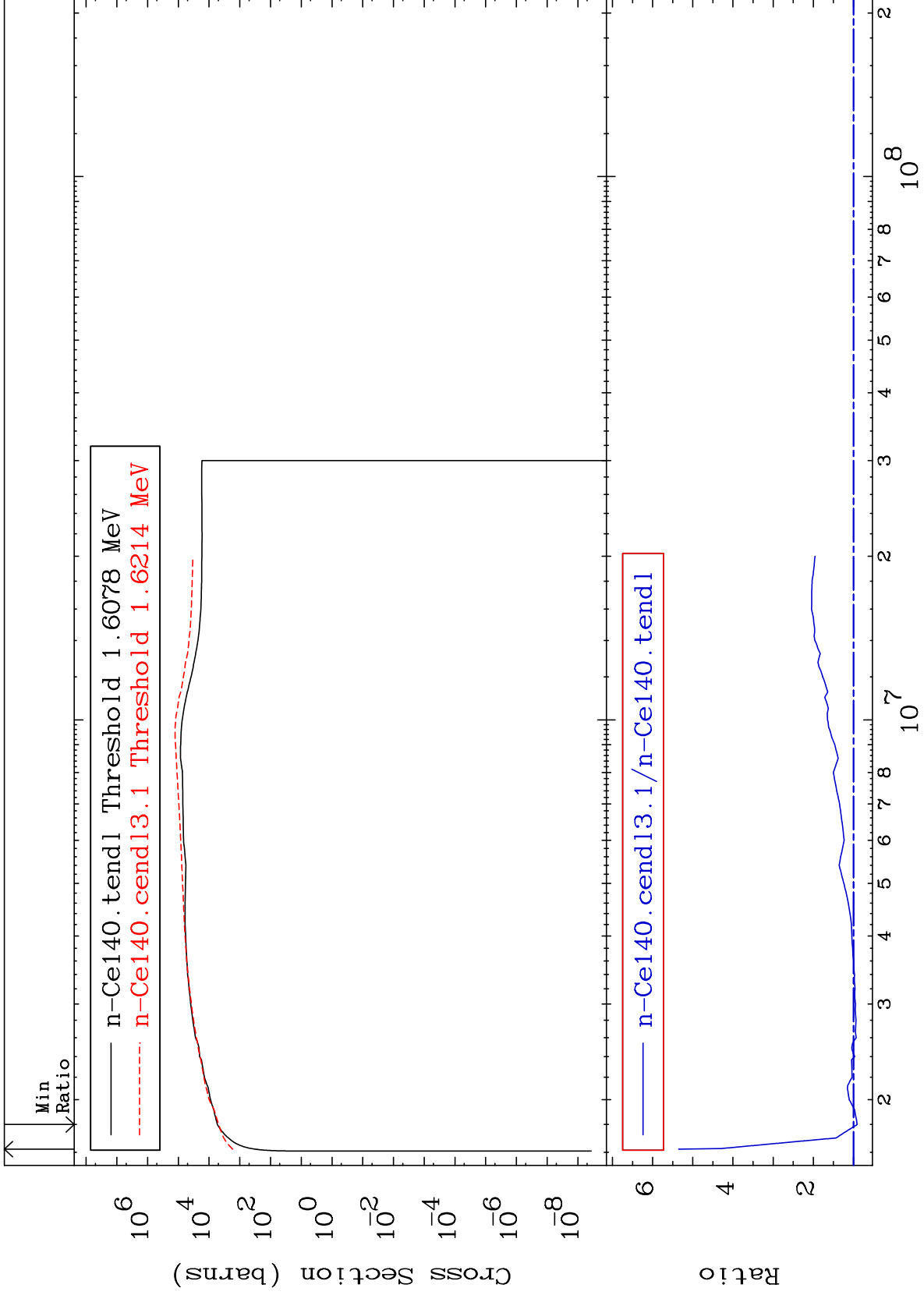


MAT 5837

Dpa elastic (mt2)
Cross Section

58-Ce-140
-93.50 To 2637. %





MAT 5837

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-140
-99.88 To 9999. %

