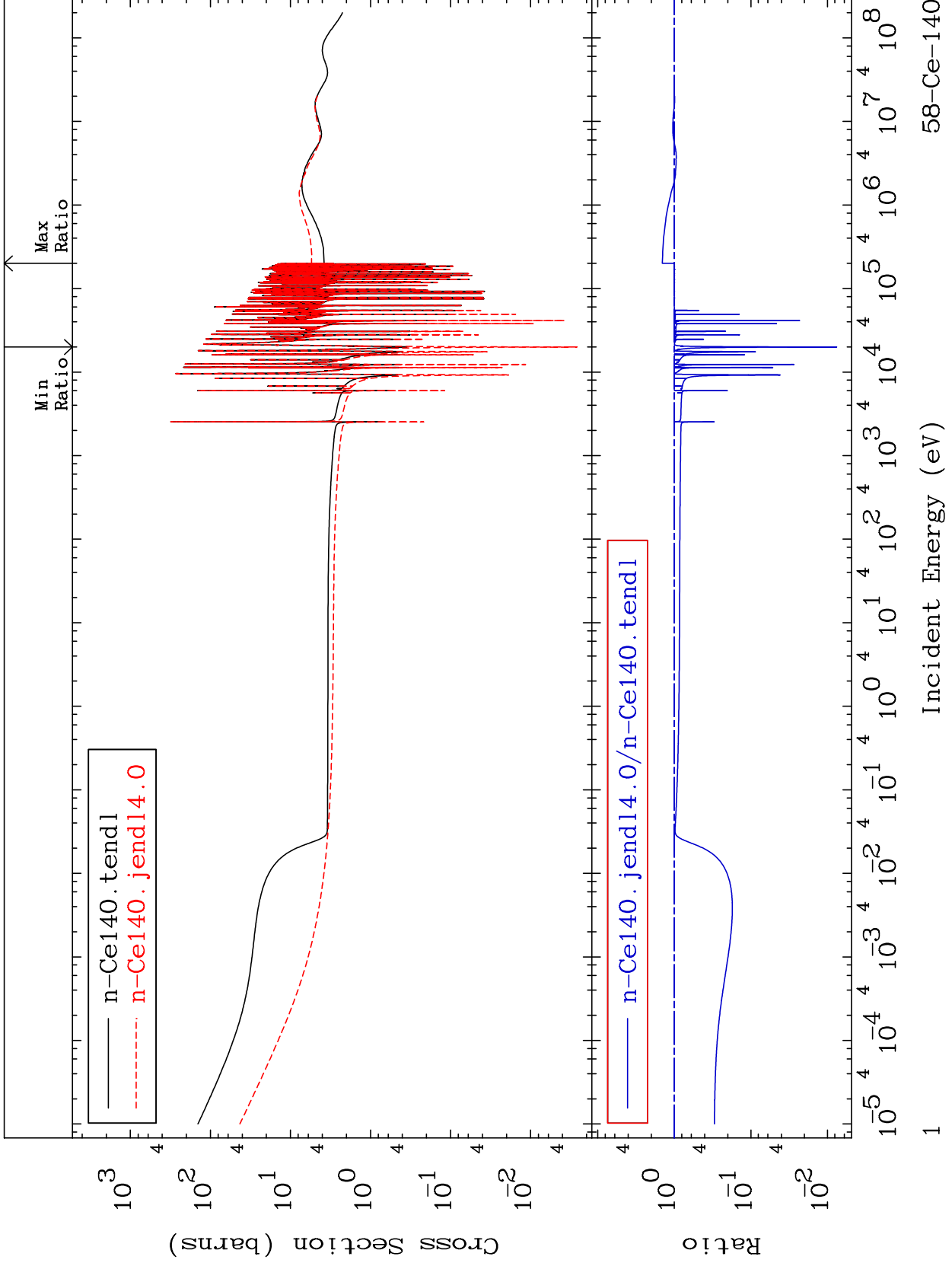


MAT 5837

Total
Cross Section

58-Ce-140
-99.24 To 43.43 %



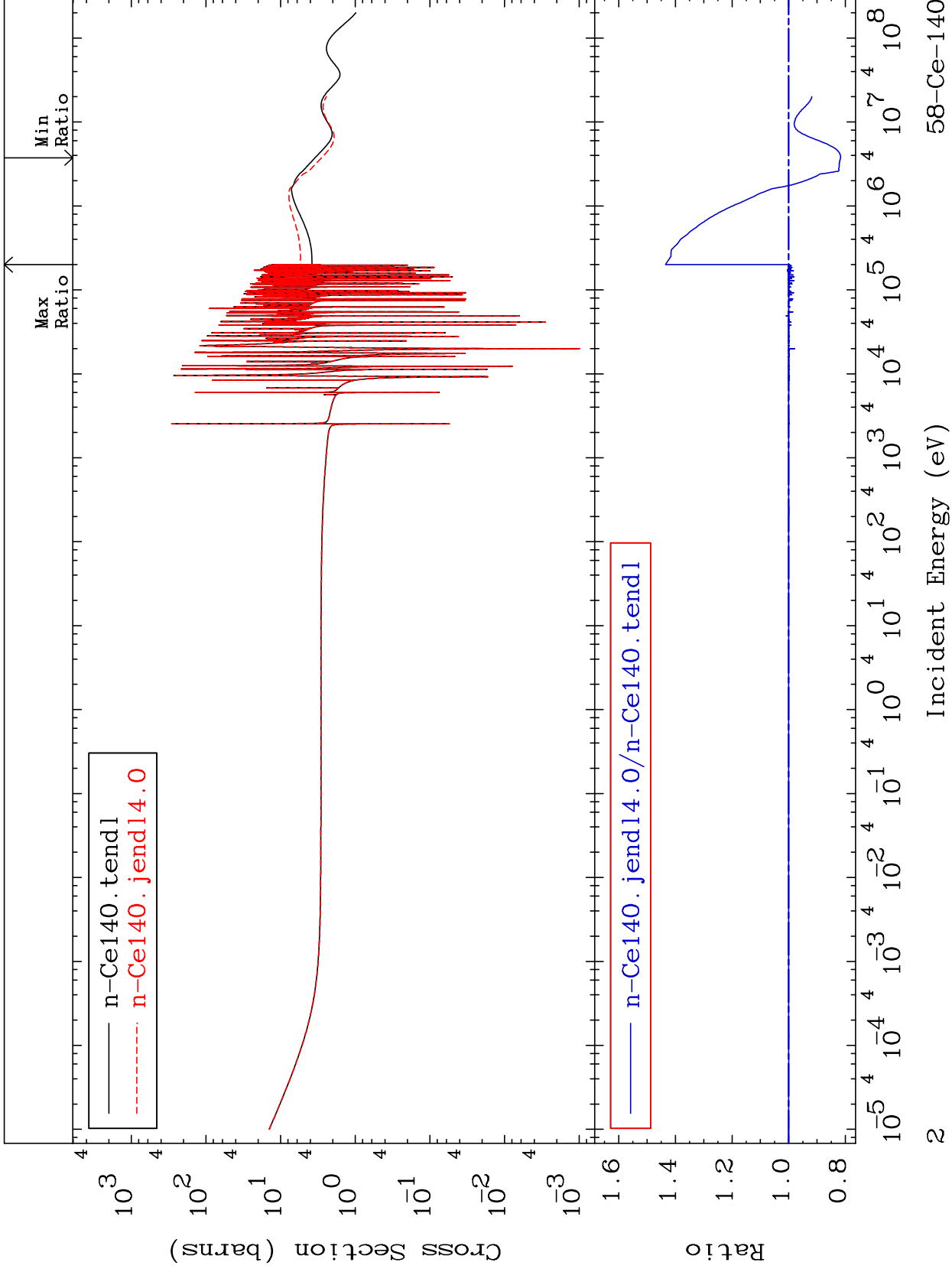
58-Ce-140

Incident Energy (eV)

MAT 5837

Elastic
Cross Section

58-Ce-140
-18.34 To 43.49 %



58-Ce-140

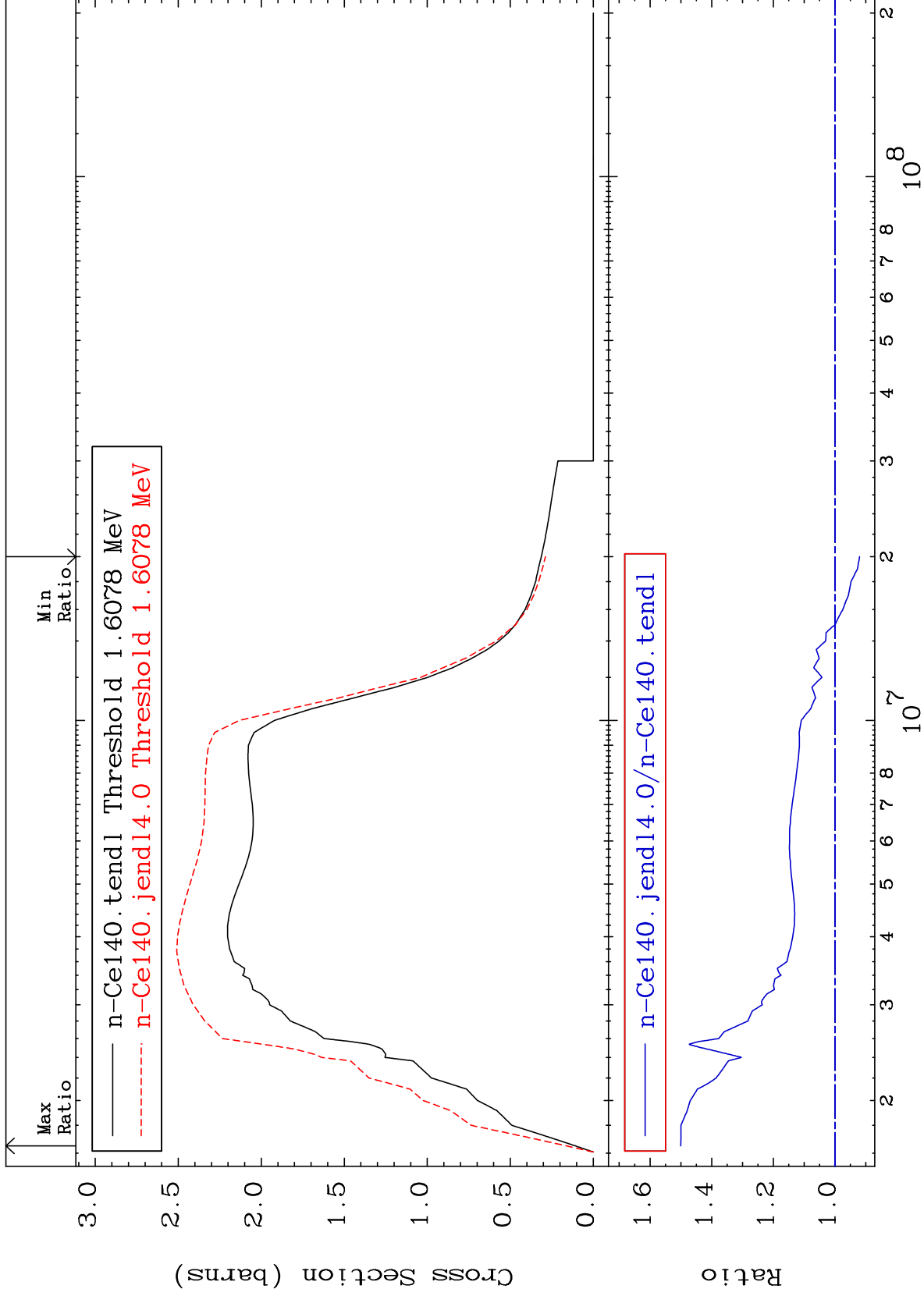
Incident Energy (eV)

2

MAT 5837

Inelastic
Cross Section

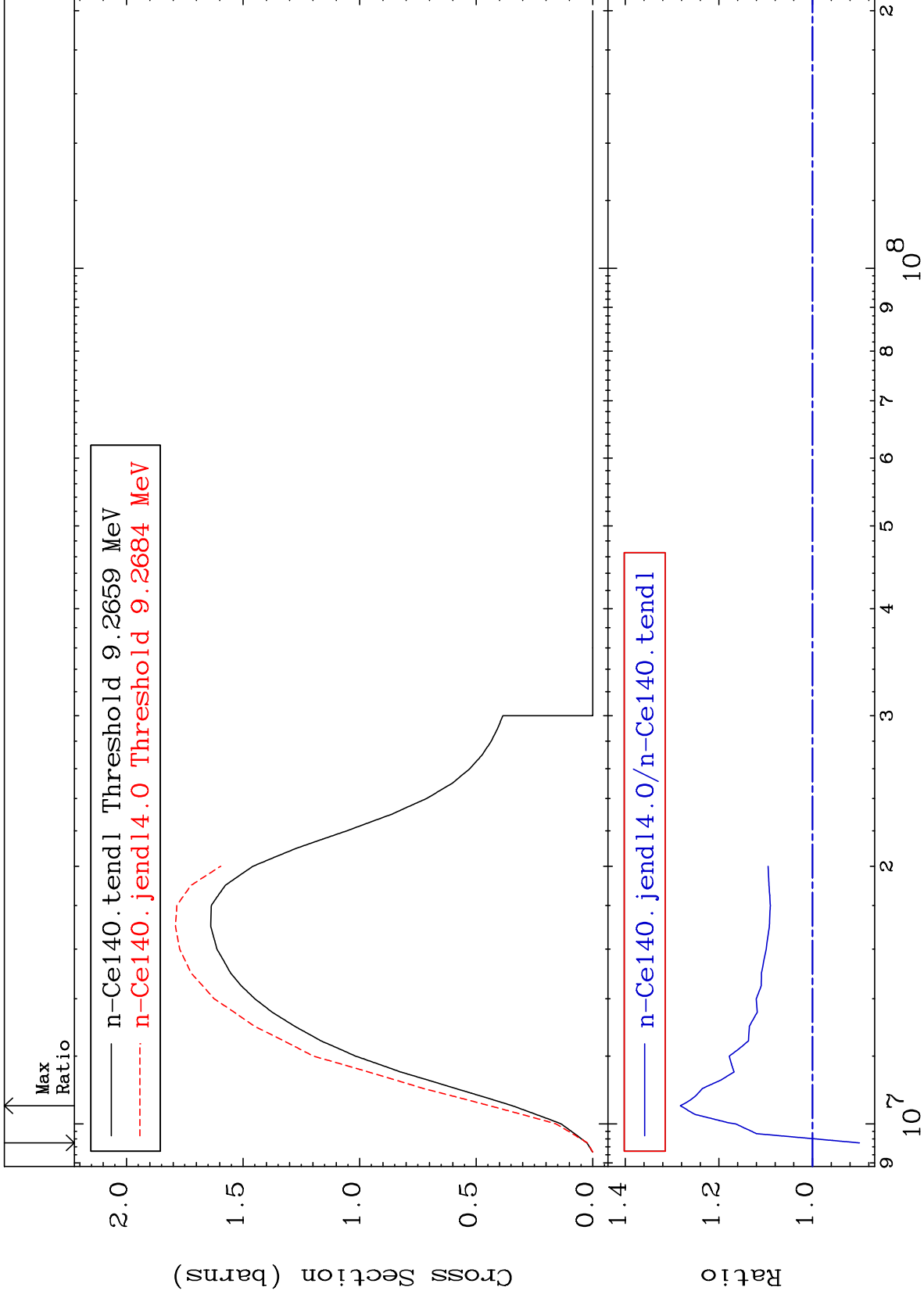
58-Ce-140
-7.952 To 50.03 %



MAT 5837

(n,2n)
Cross Section

58-Ce-140
-10.01 To 28.25 %



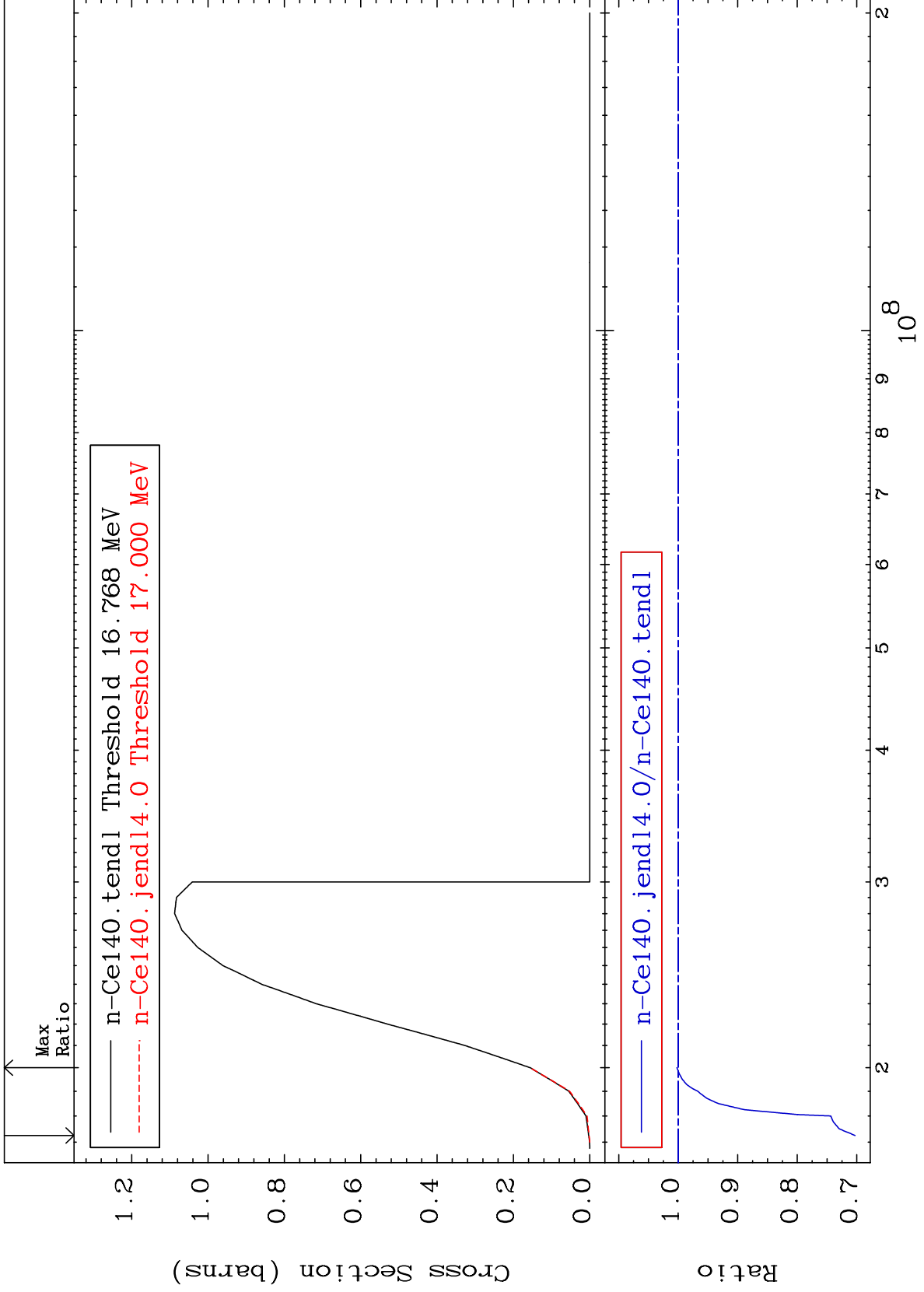
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,3n)
Cross Section

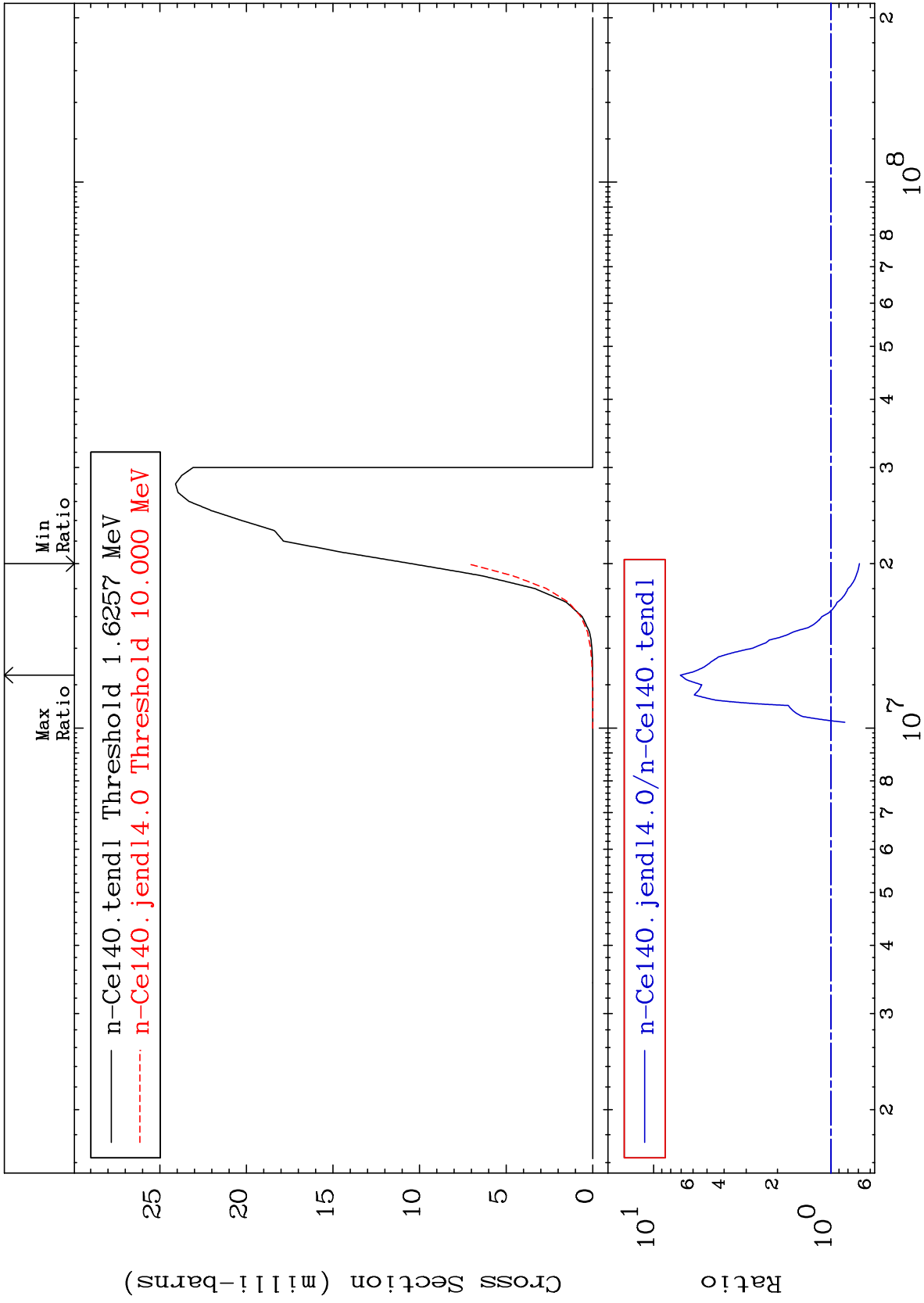
58-Ce-140
-29.71 To 0.218 %



MAT 5837

58-Ce-140
-30.99 To 606.5 %

(n,n') α
Cross Section



6

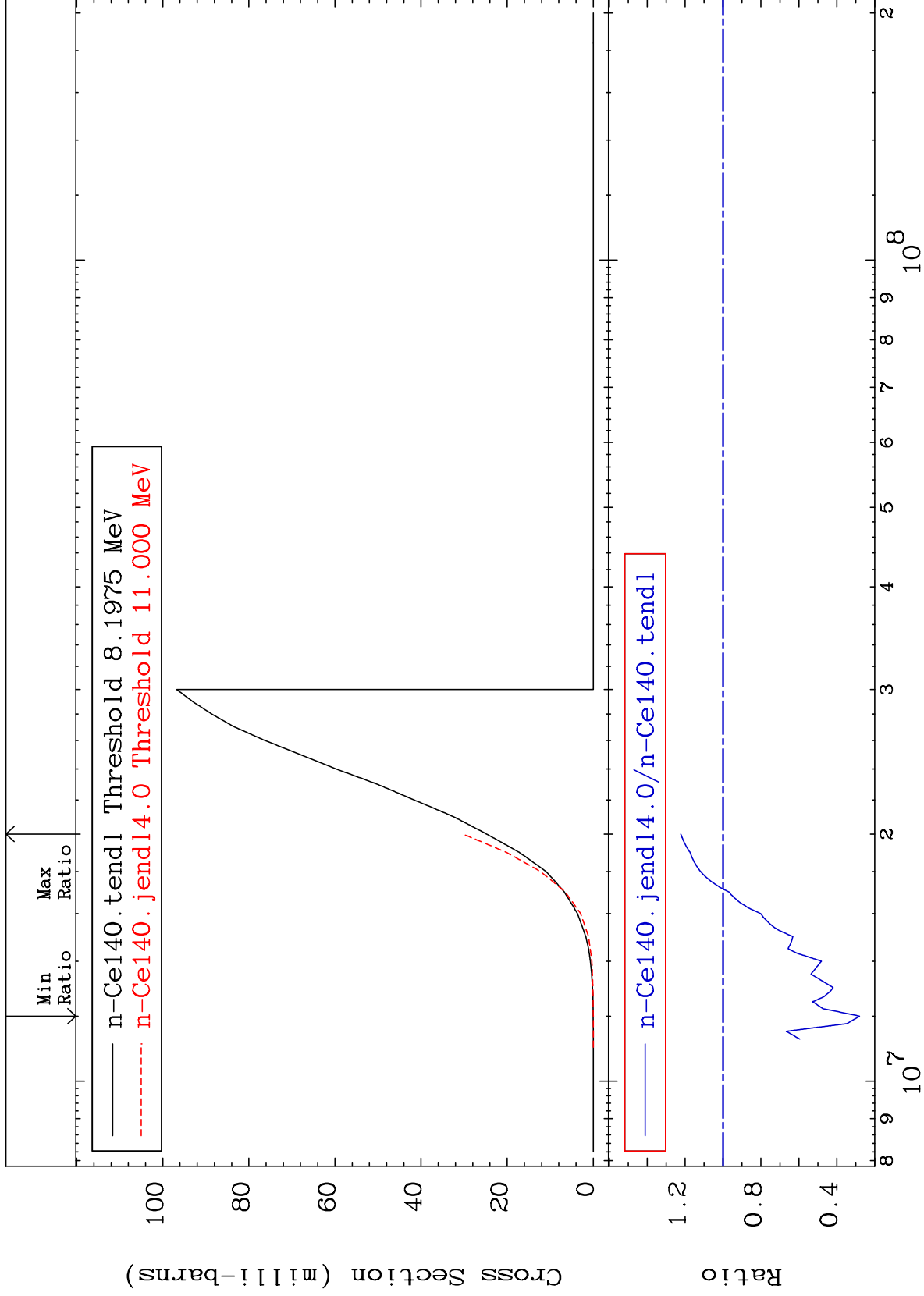
58-Ce-140

58-Ce-140

MAT 5837

(n,n') p
Cross Section

58-Ce-140
-72.02 To 22.32 %



7

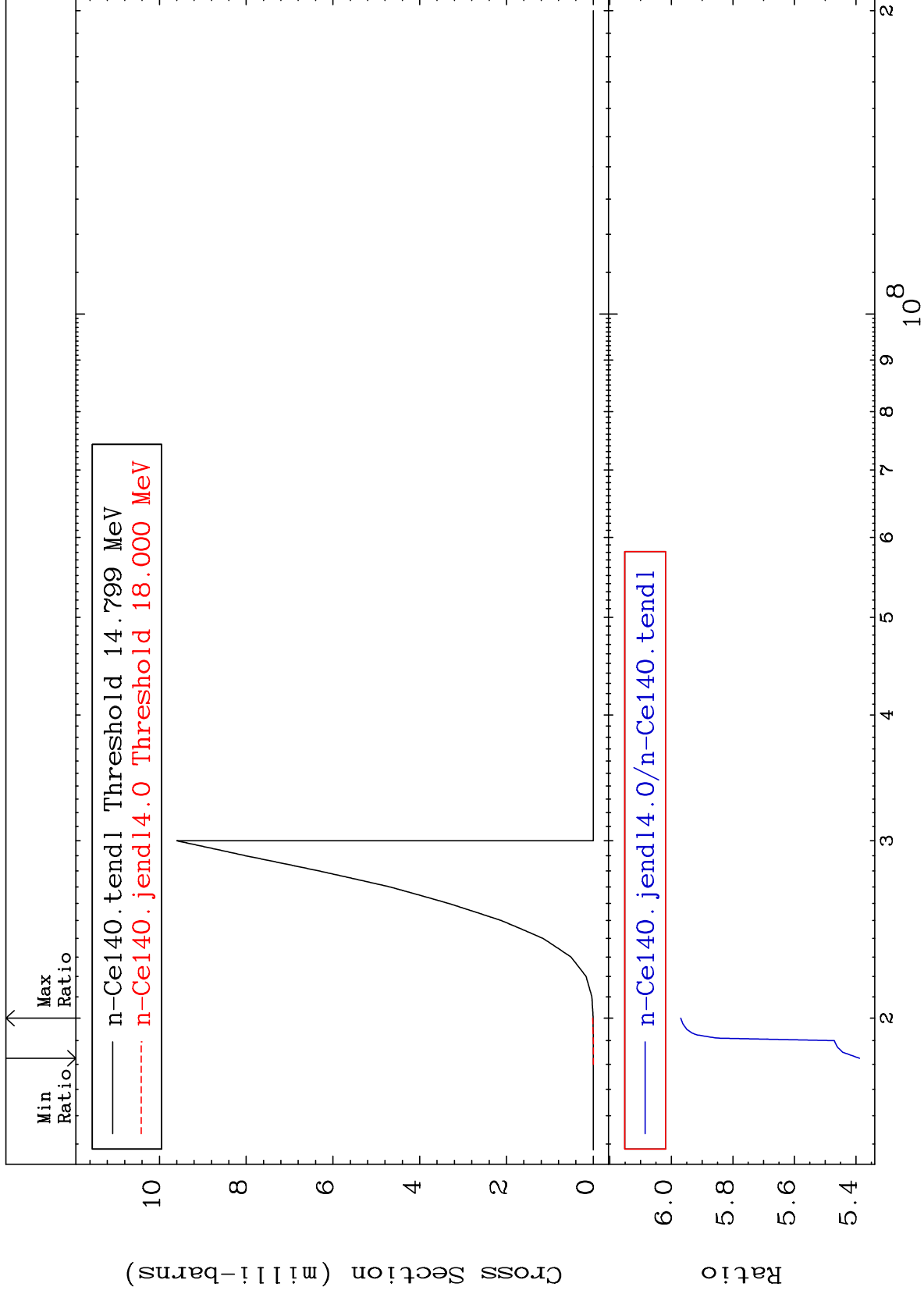
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,n') d
Cross Section

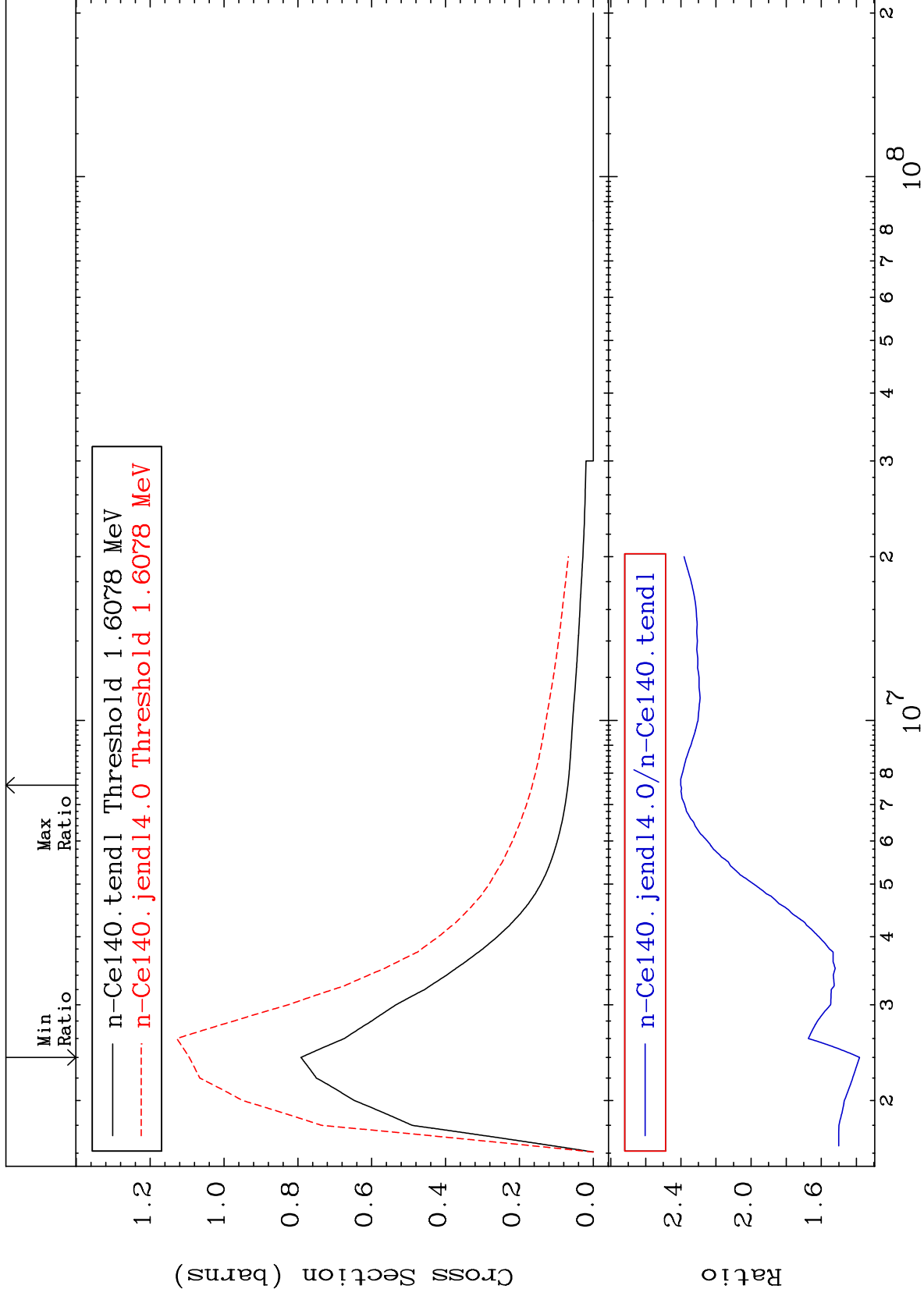
58-Ce-140
438.8 To 496.9 %



MAT 5837

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

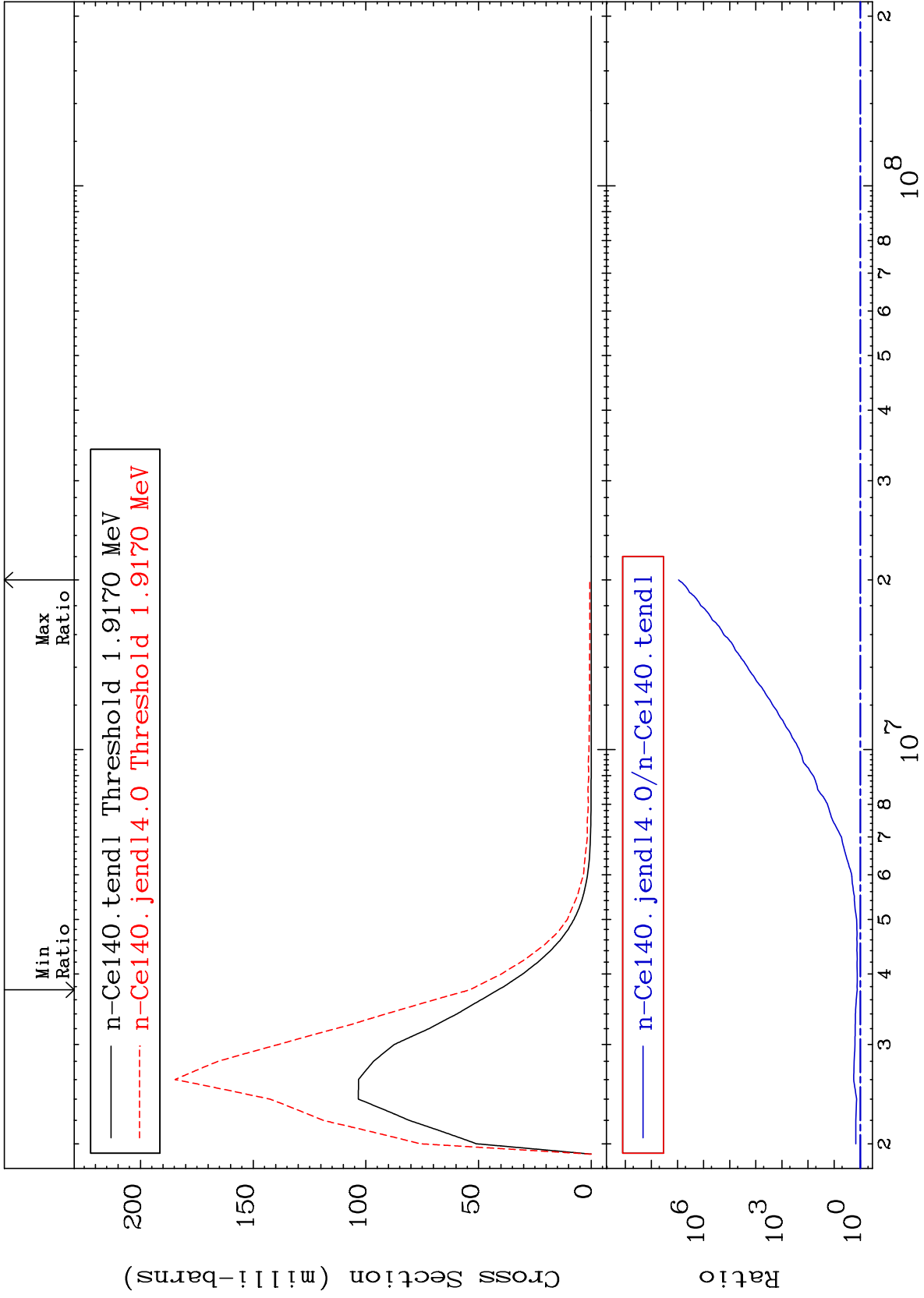
58-Ce-140
38.20 To 140.1 %



MAT 5837

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

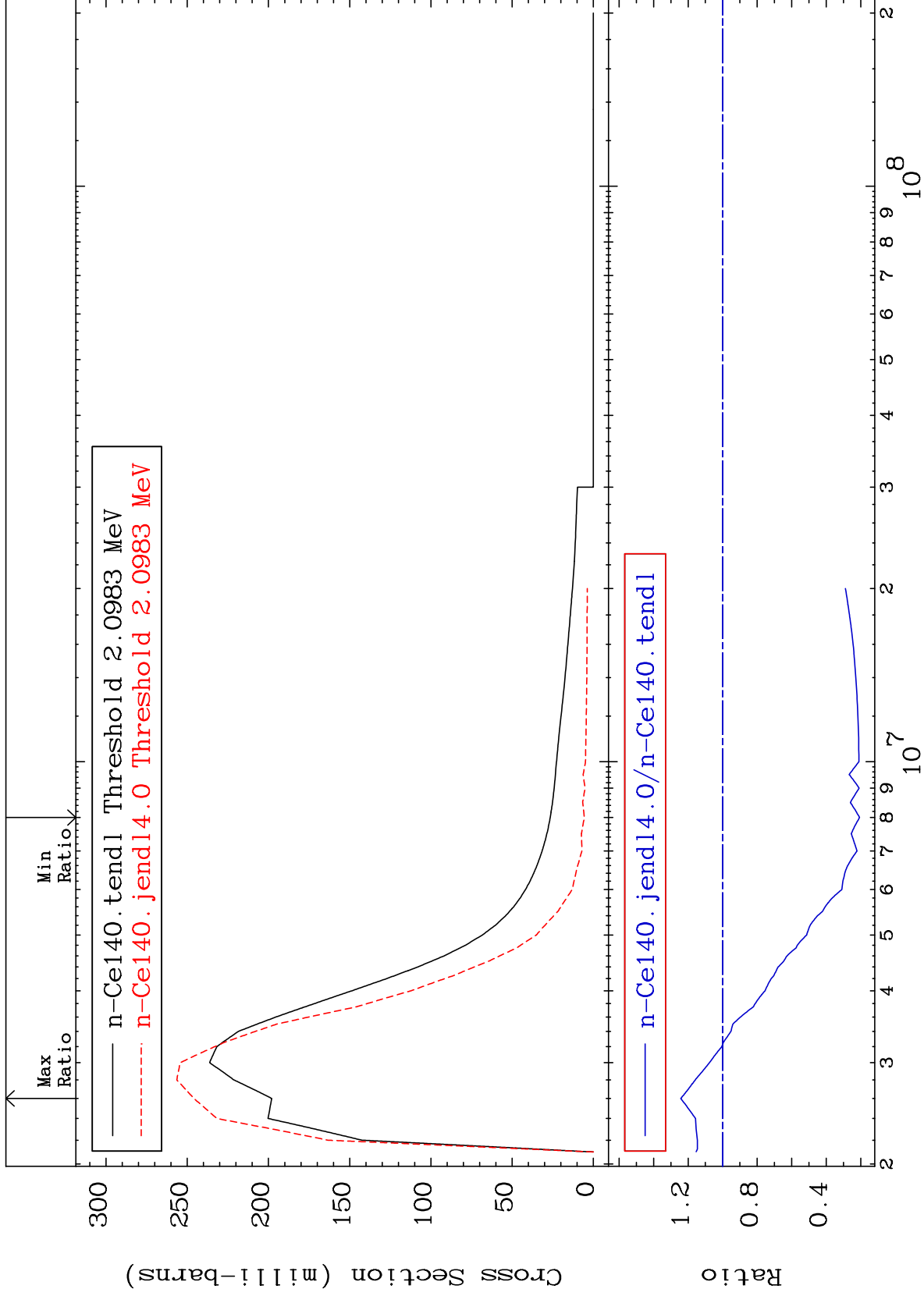
58-Ce-140
To 9999. %
30.50



MAT 5837

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

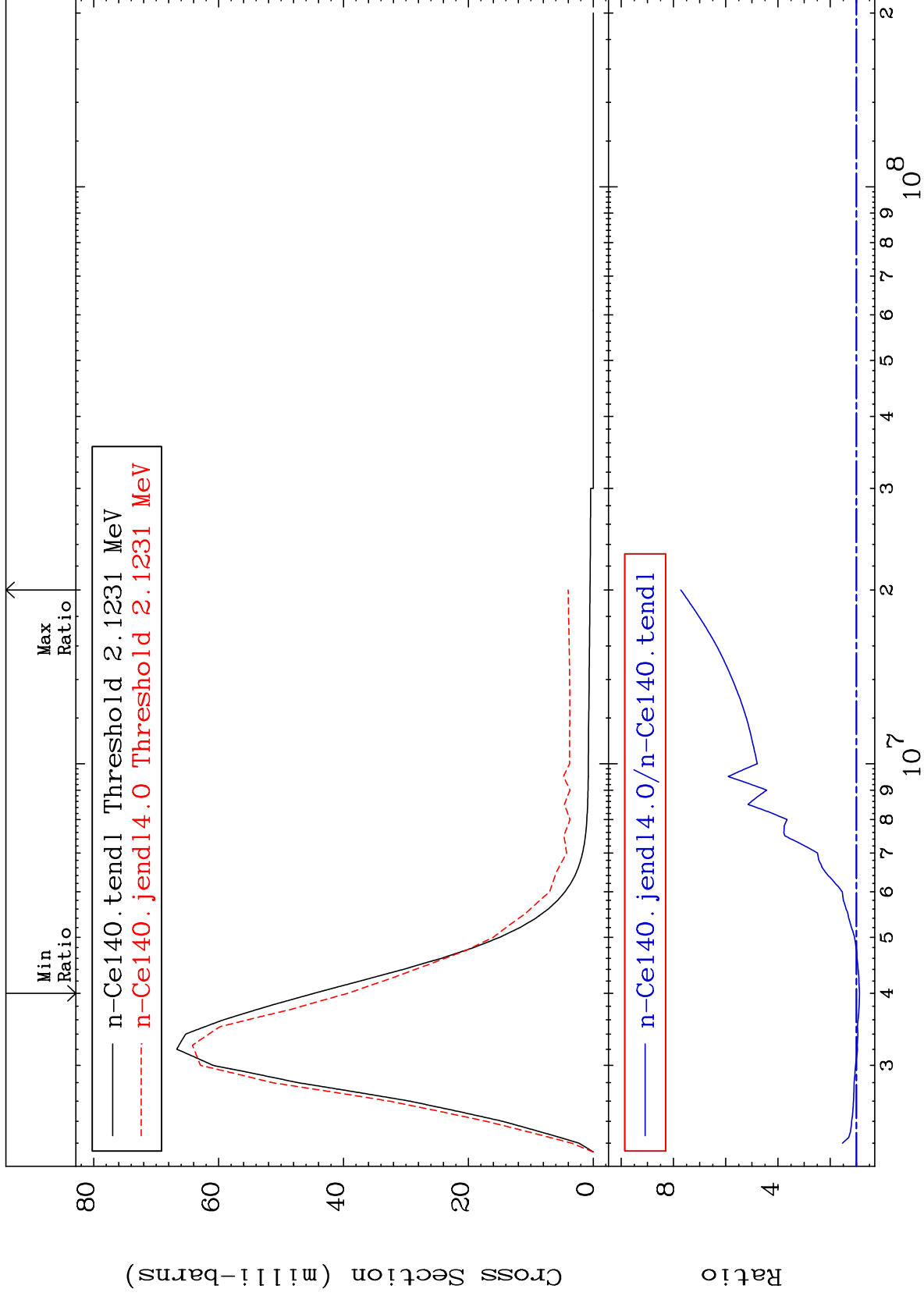
58-Ce-140
-79.28 To 24.26 %



MAT 5837

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

58-Ce-140
-12.04 To 672.3 %



12

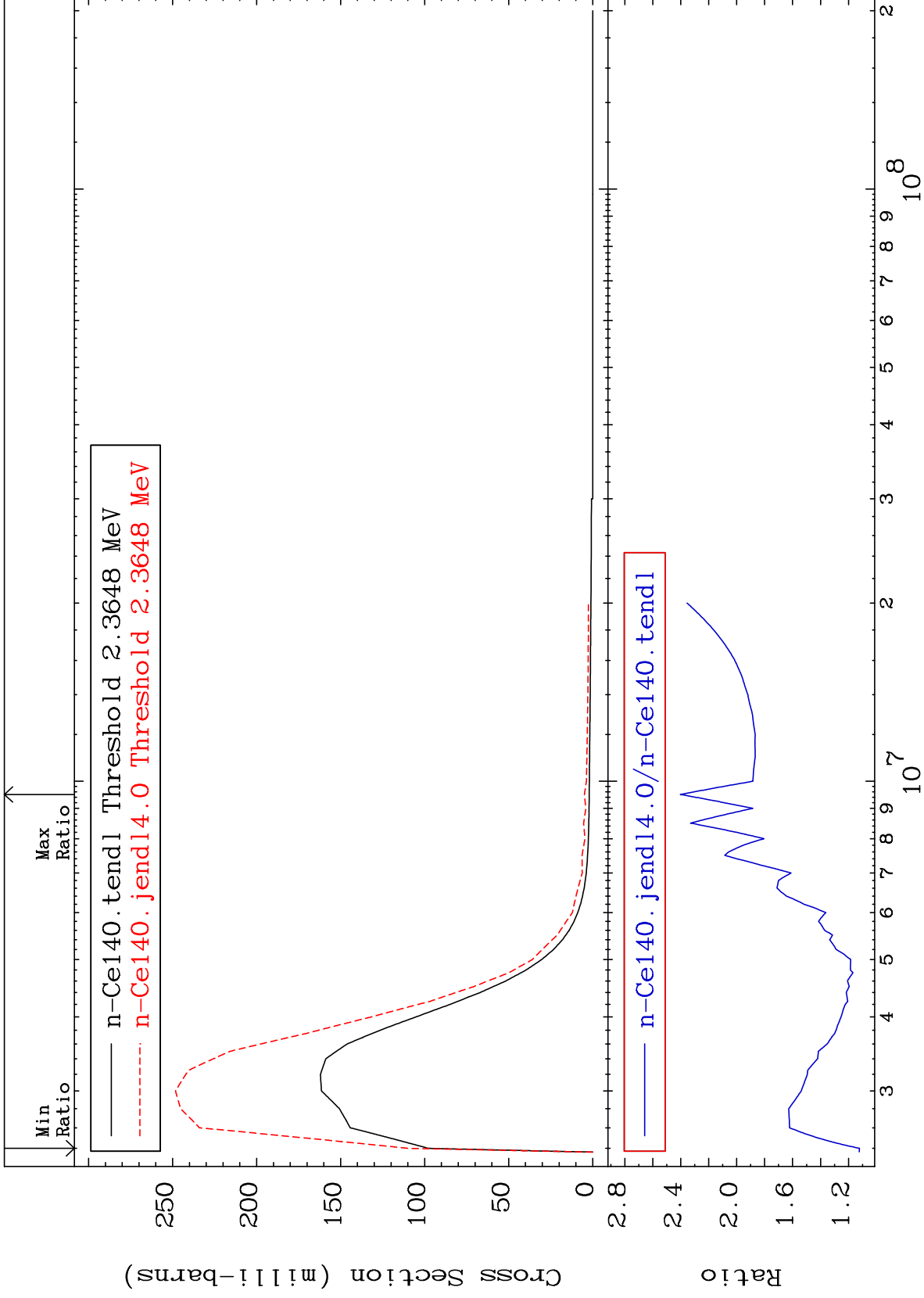
Incident Energy (eV)

58-Ce-140

MAT 5837

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

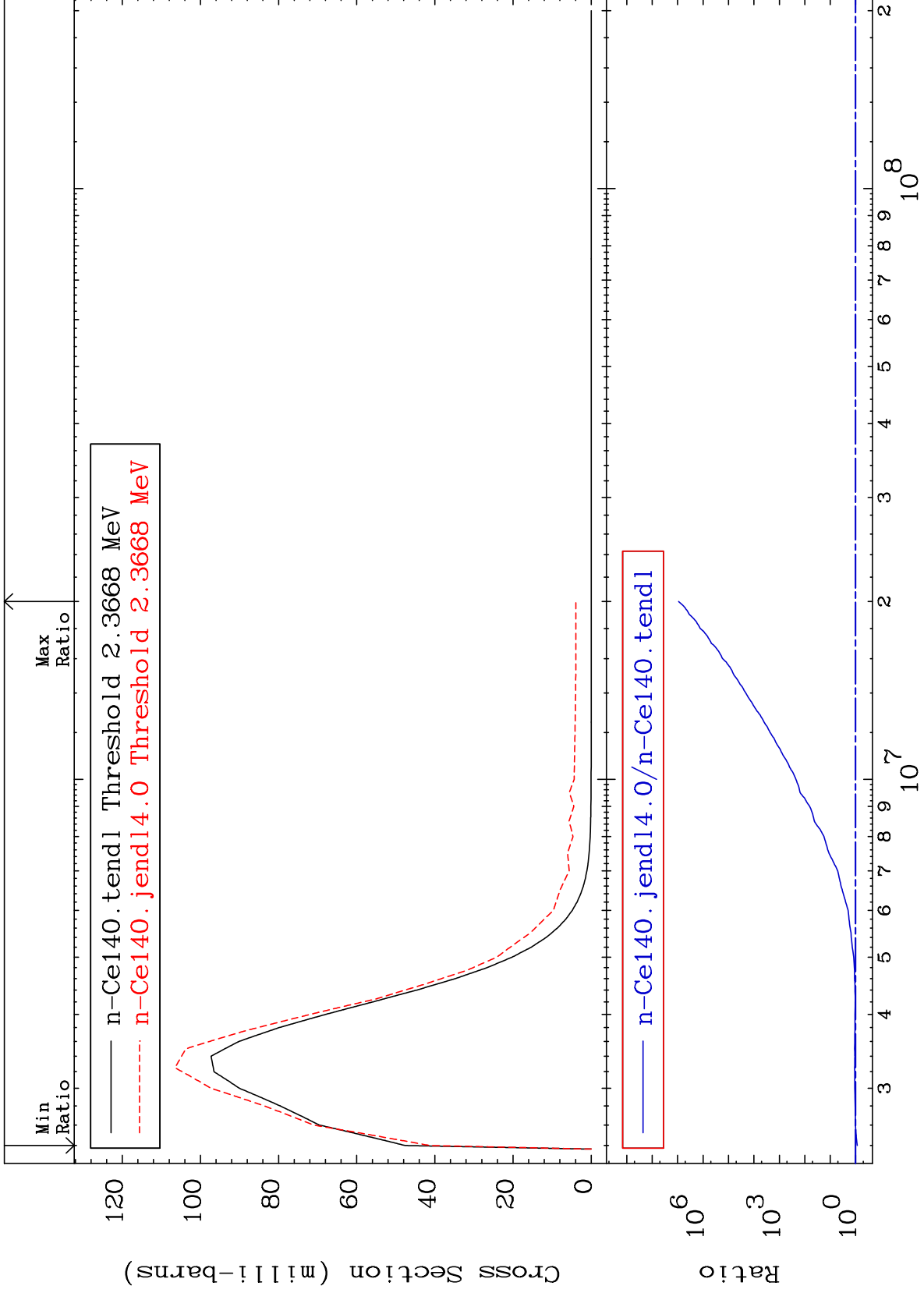
58-Ce-140
12.17 To 140.3 %



MAT 5837

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

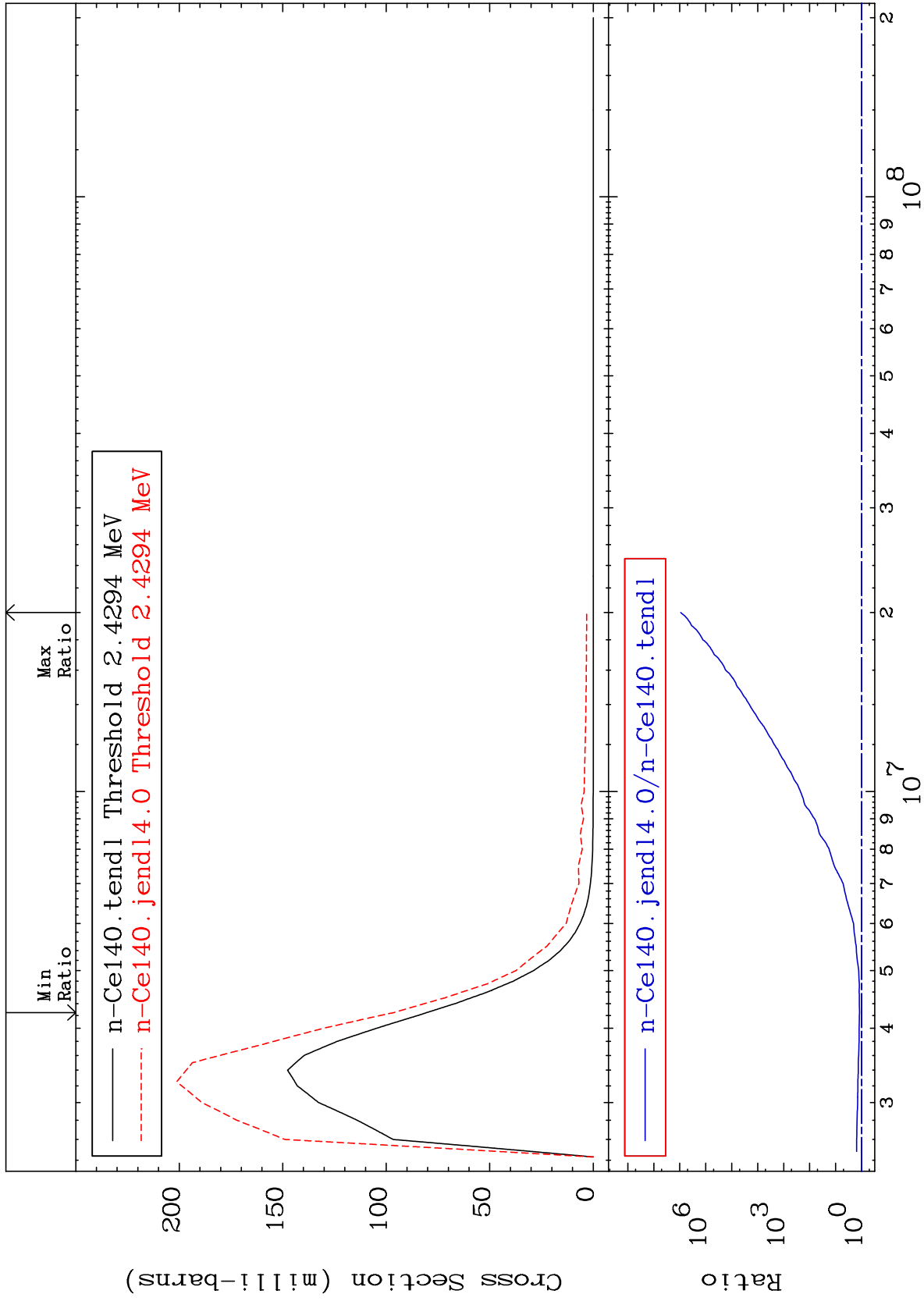
58-Ce-140
-13.21 To 9999. %



MAT 5837

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

58-Ce-140
19.90 To 9999. %



15

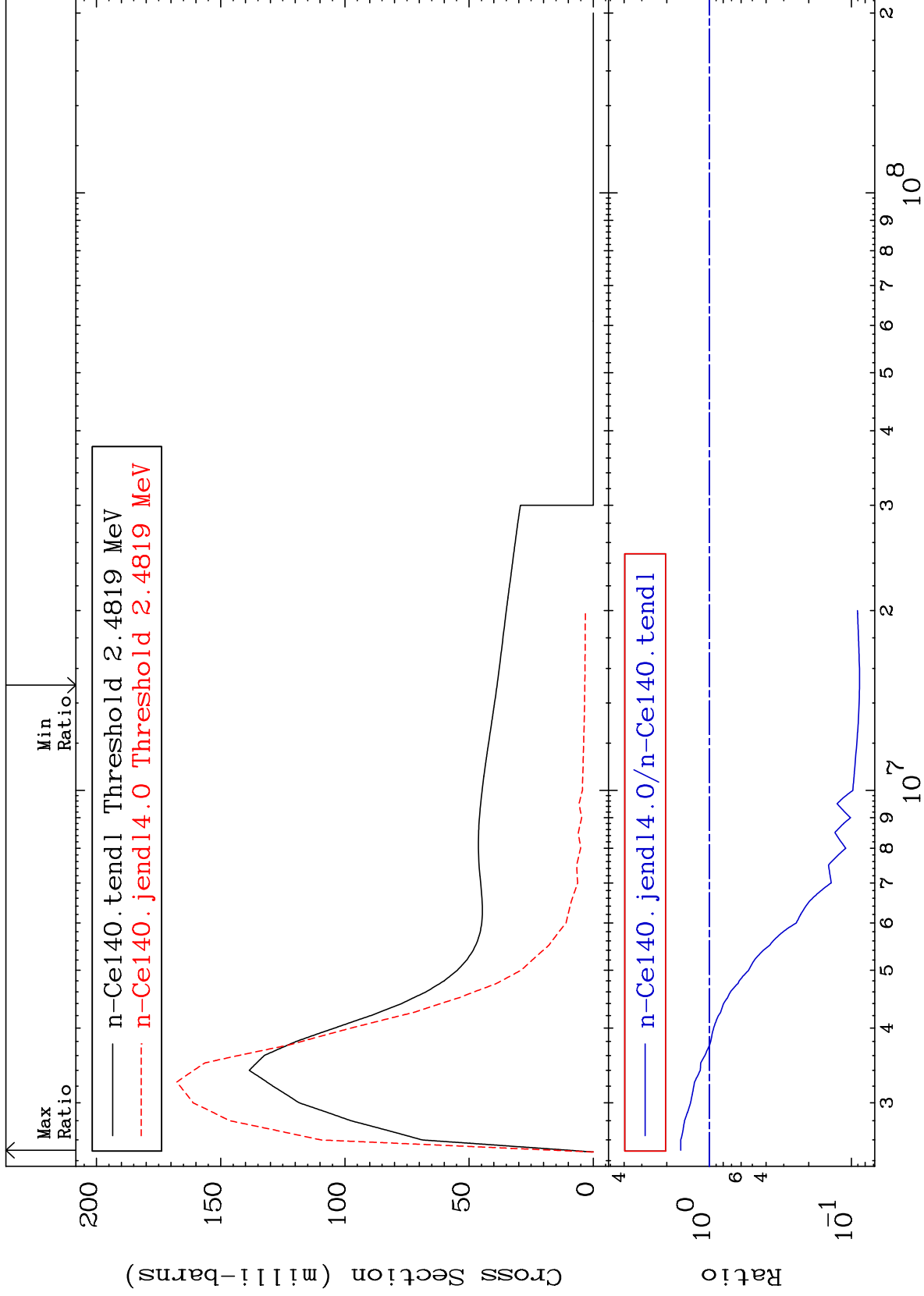
Incident Energy (eV)

58-Ce-140

MAT 5837

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

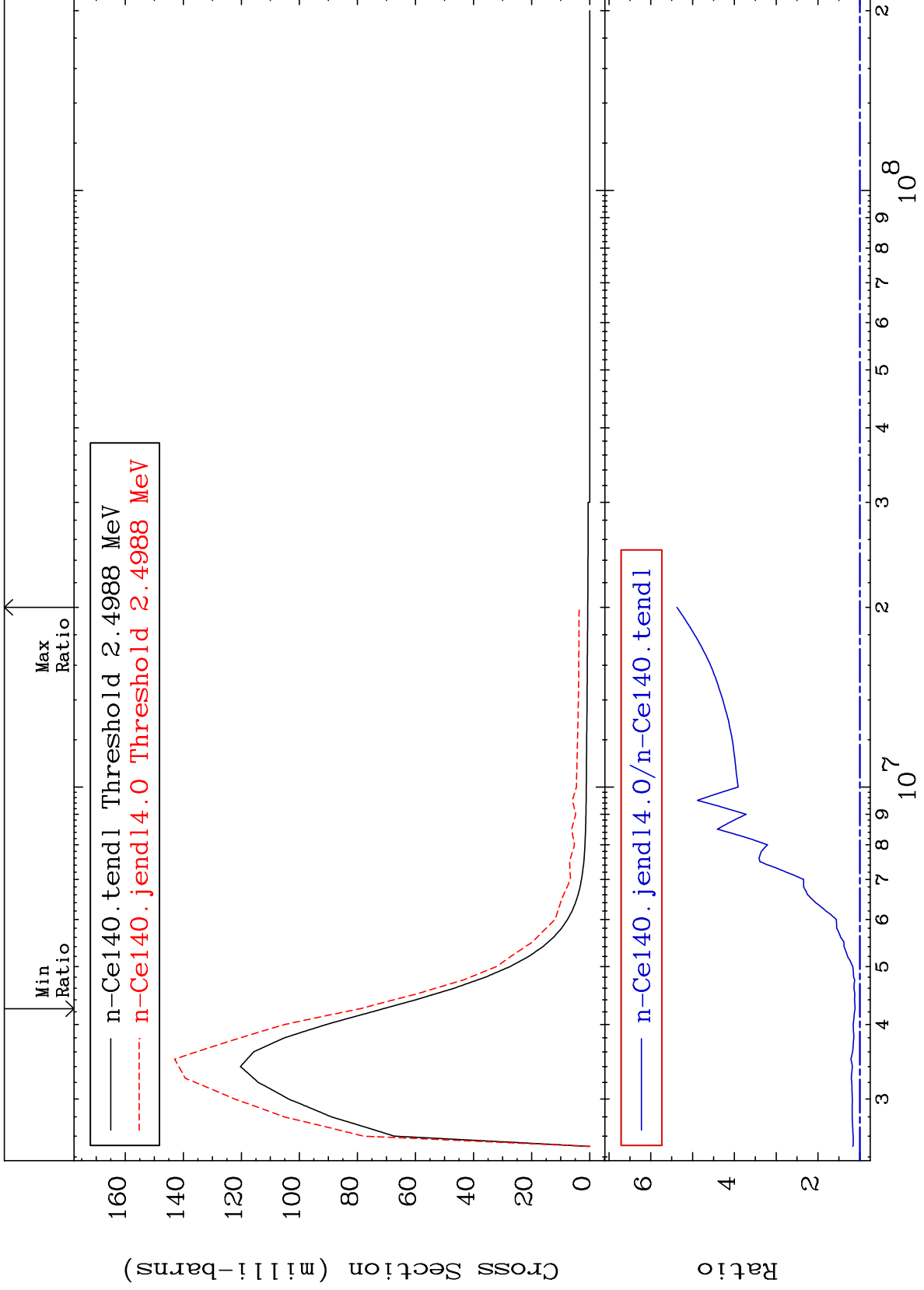
58-Ce-140
-91.23 To 59.46 %



MAT 5837

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

58-Ce-140
11.22 To 437.5 %



17

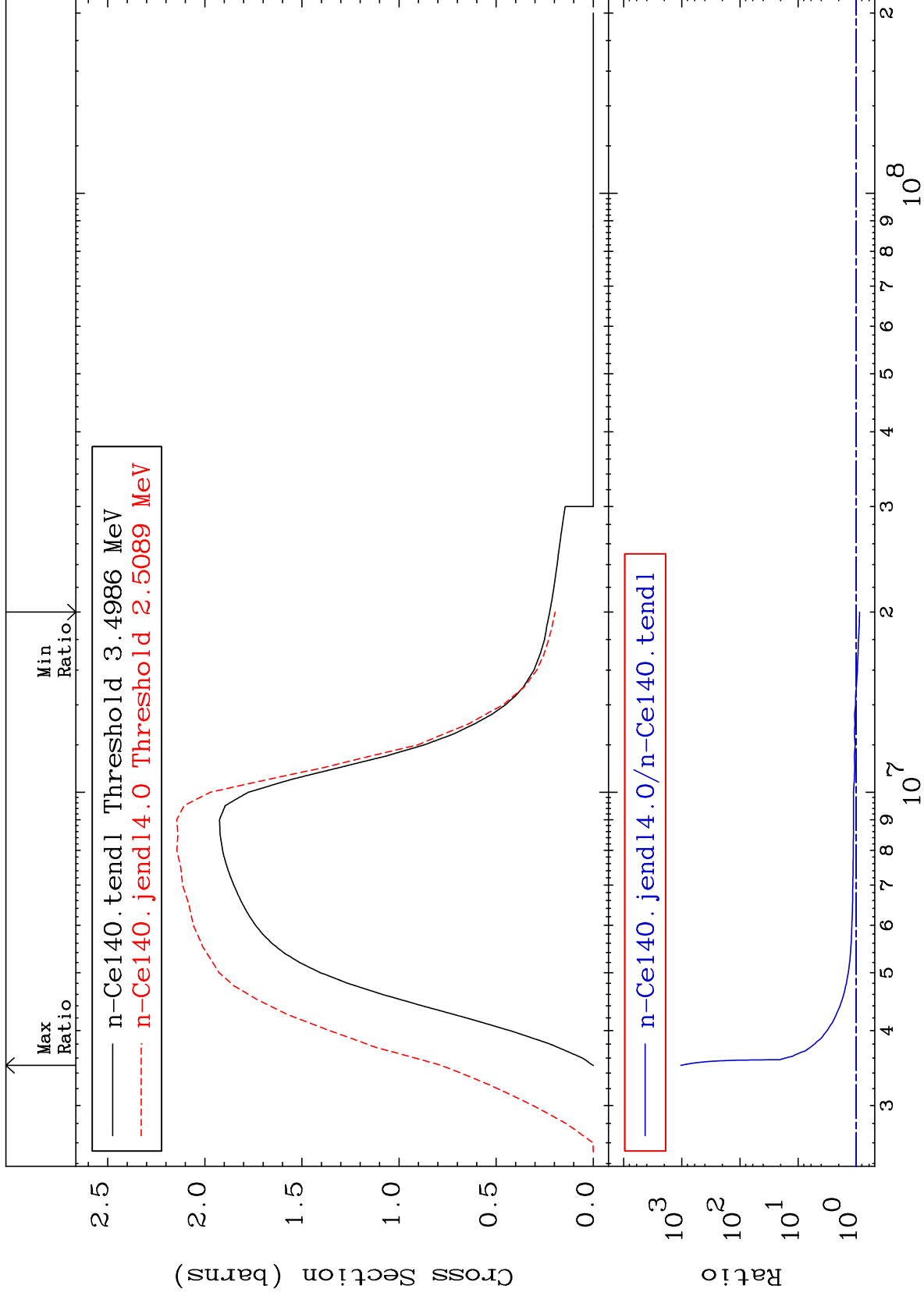
Incident Energy (eV)

58-Ce-140

MAT 5837

(n, n') Continuum
Cross Section

58-Ce-140
-12.53 To 9999. %



18

Incident Energy (eV)

58-Ce-140

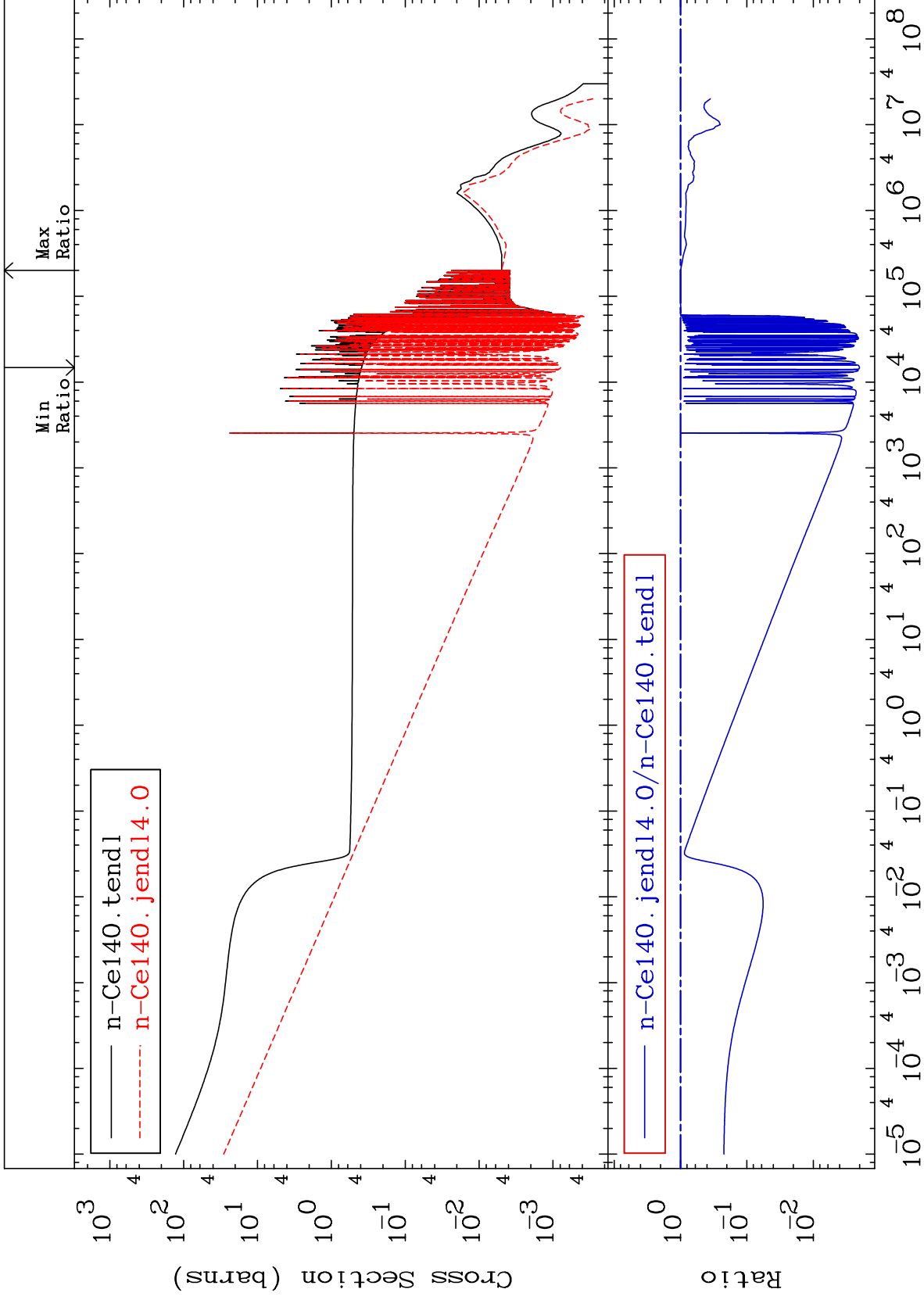
MAT 5837

(n, γ)

58-Ce-140

Cross Section

-99.80 To 0.544 %



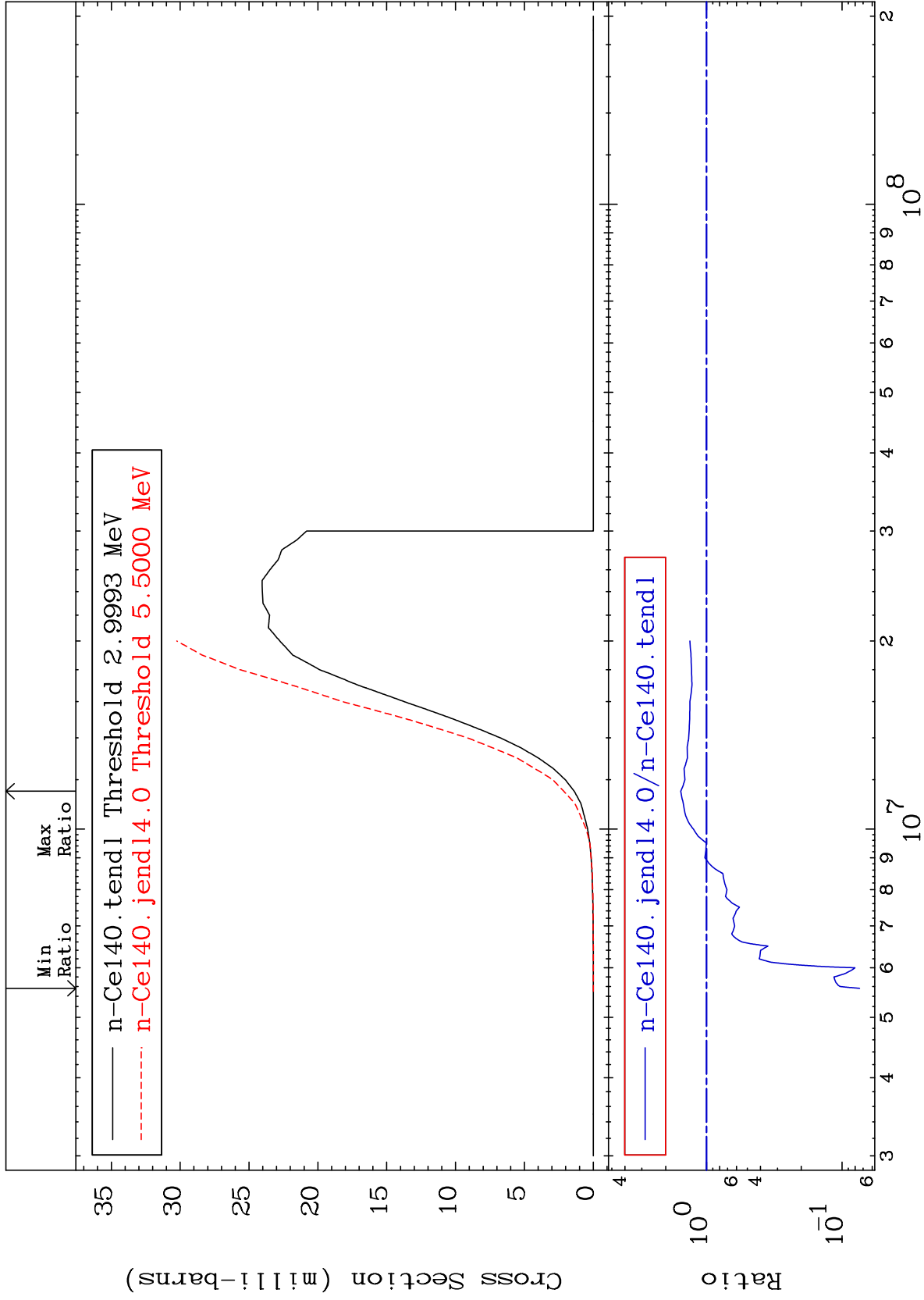
MAT 5837

(n,p)

58-Ce-140

Cross Section

-92.56 To 54.88 %



20

Incident Energy (eV)

58-Ce-140

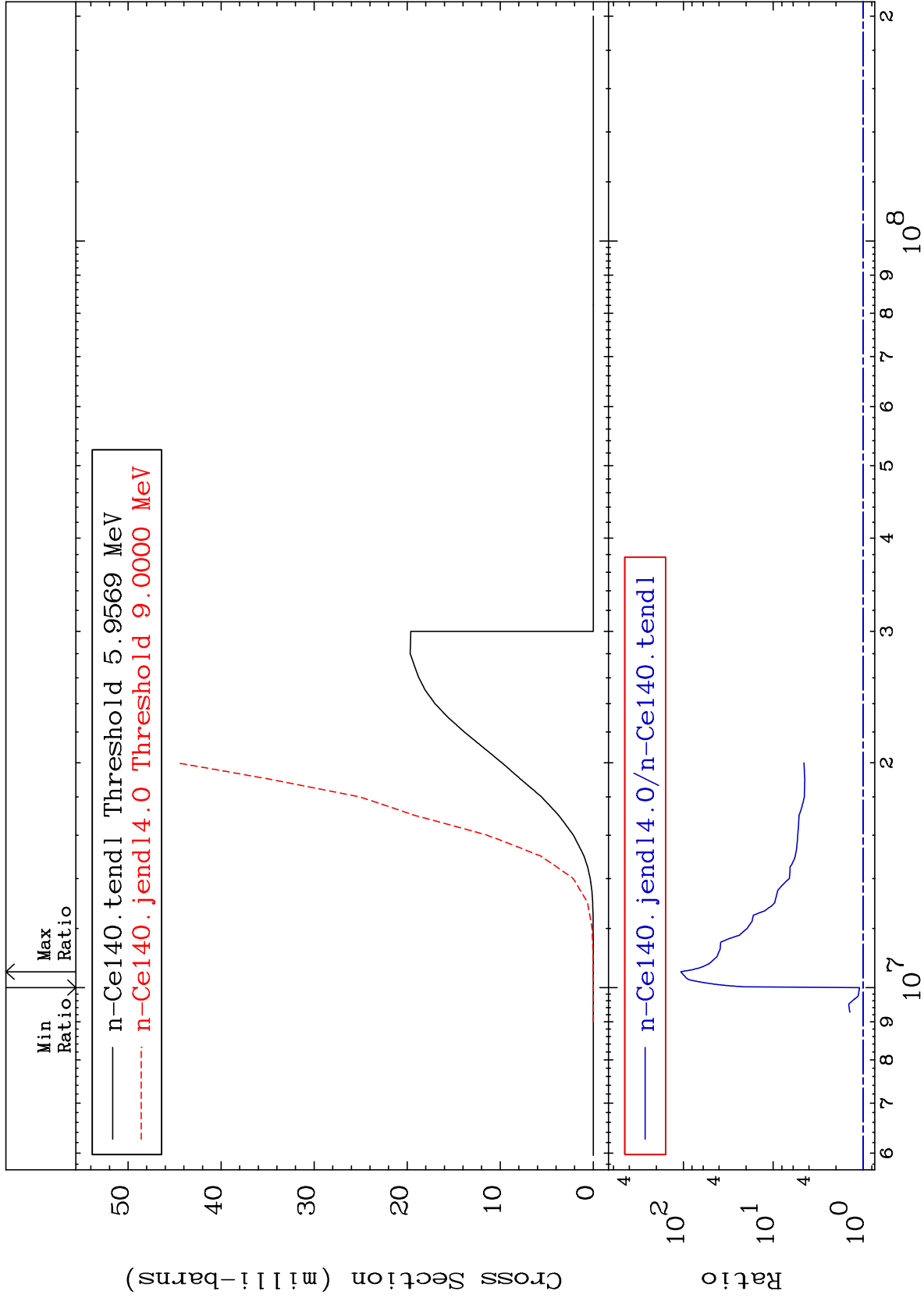
MAT 5837

(n, d)

58-Ce-140

Cross Section

9.509 To 9999. %



21

Incident Energy (eV)

58-Ce-140

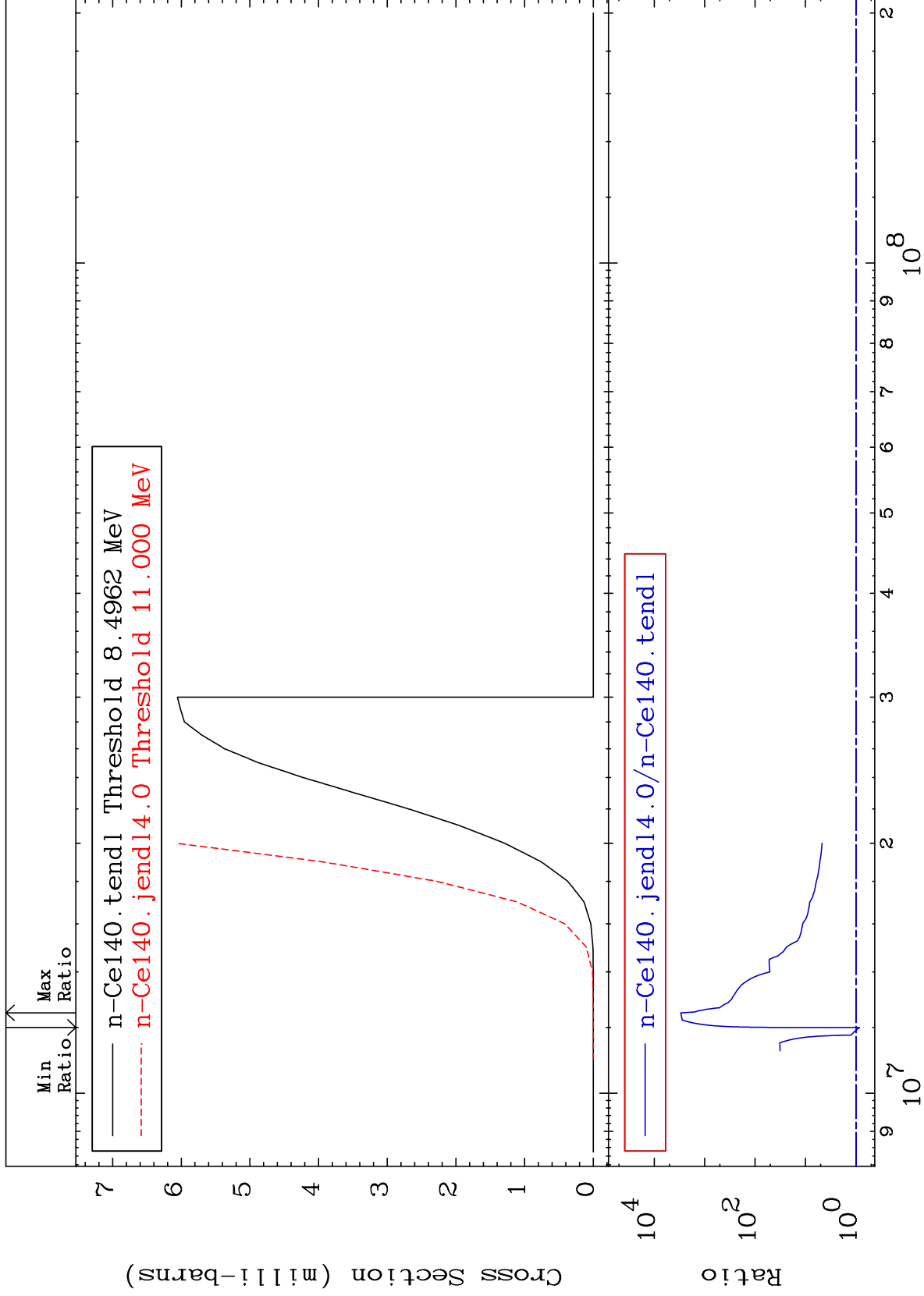
MAT 5837

(n, t)

58-Ce-140

Cross Section

-15.22 To 9999. %



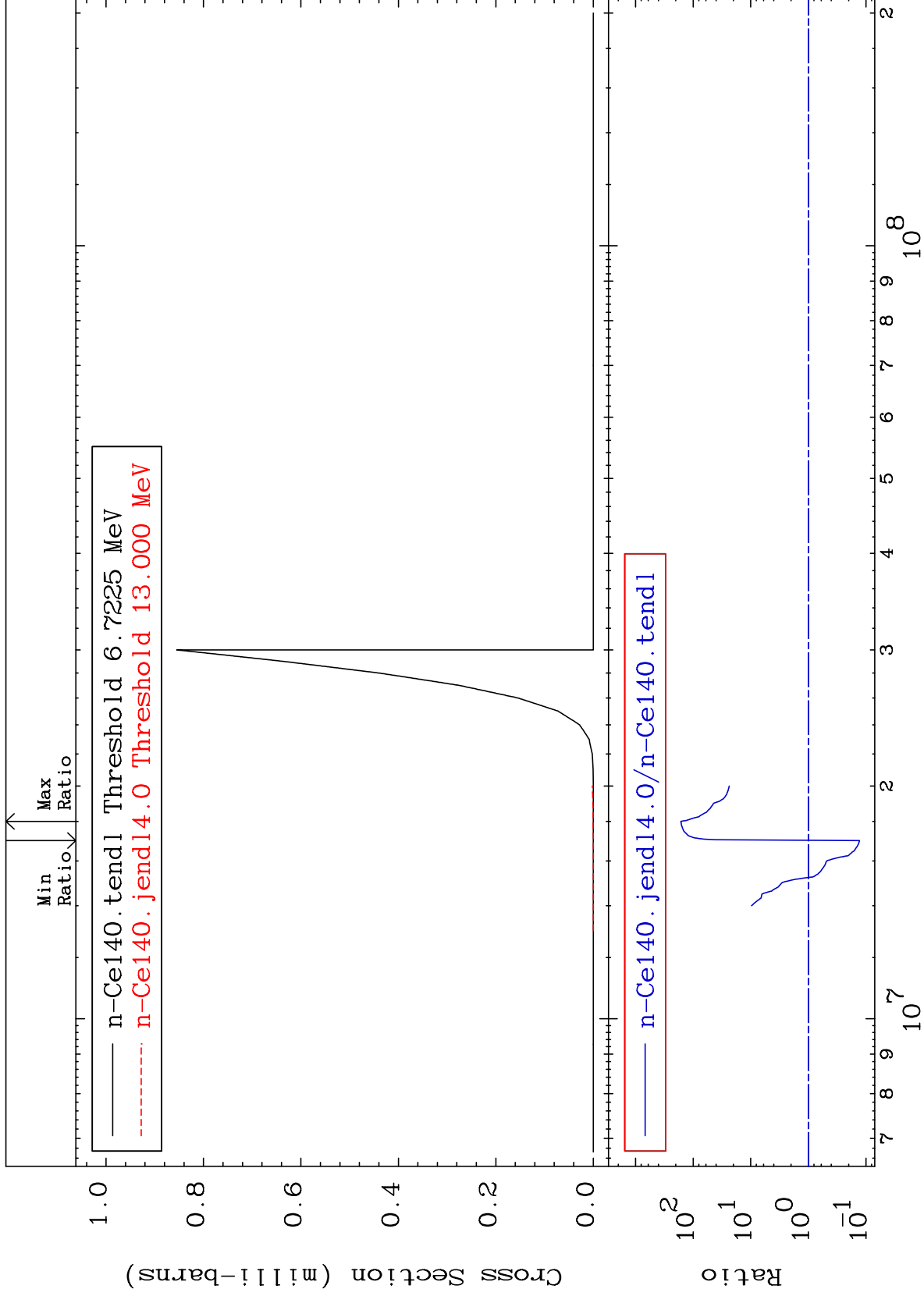
MAT 5837

(n, He-3)

58-Ce-140

Cross Section

-87.07 To 9999. %



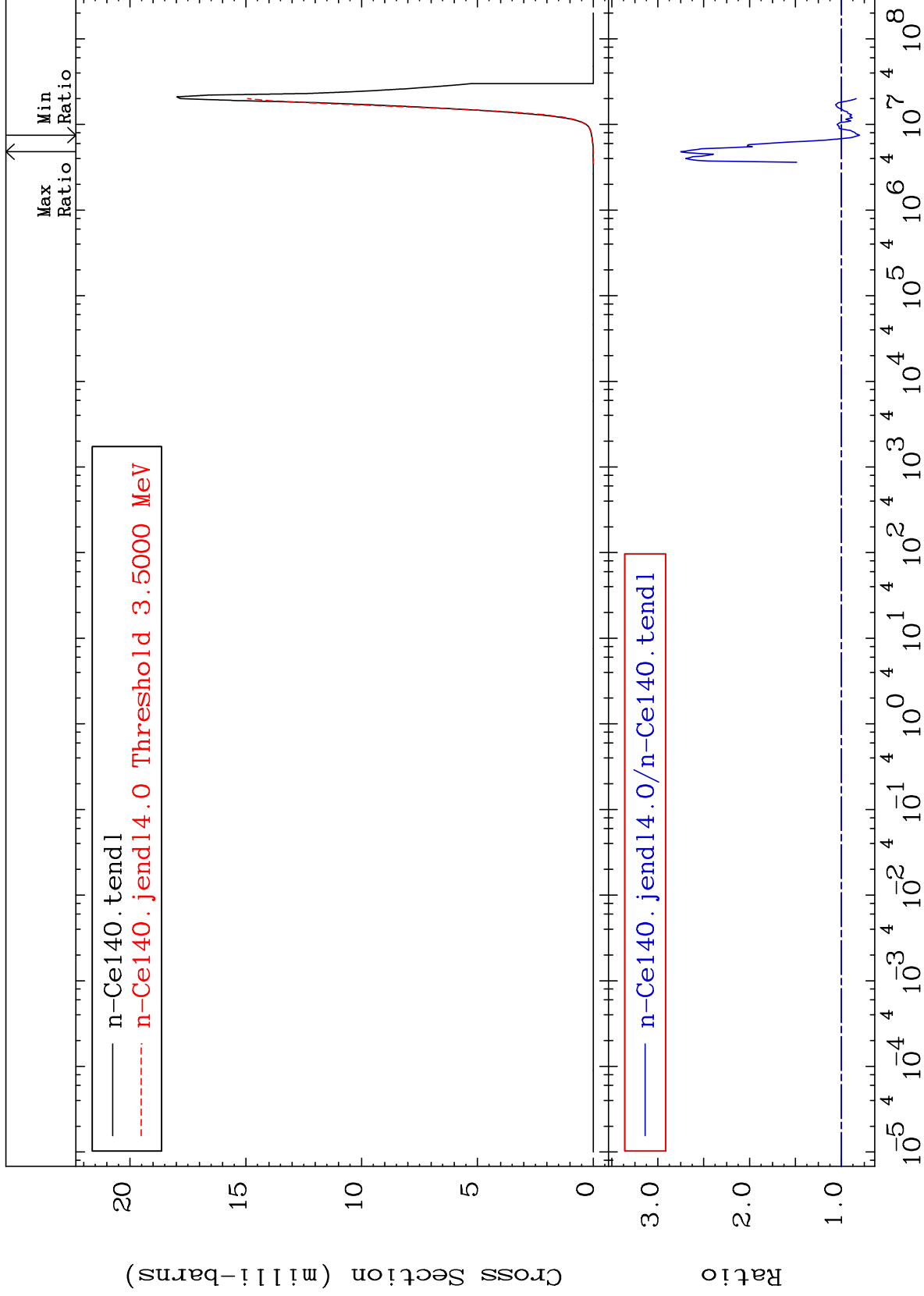
MAT 5837

(n, α)

58-Ce-140

Cross Section

-19.82 To 175.0 %



24

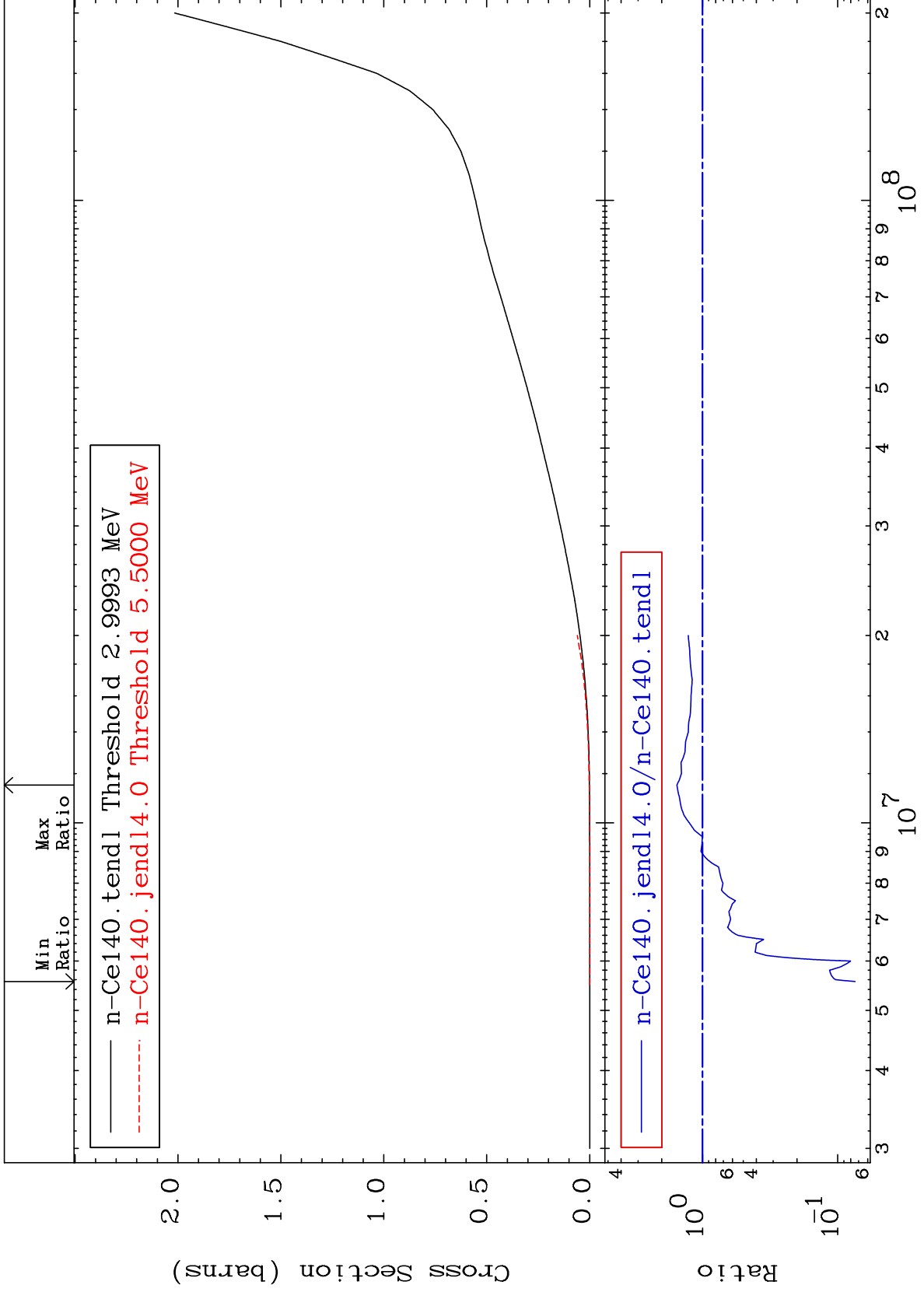
Incident Energy (eV)

58-Ce-140

MAT 5837

Hydrogen Production
Cross Section

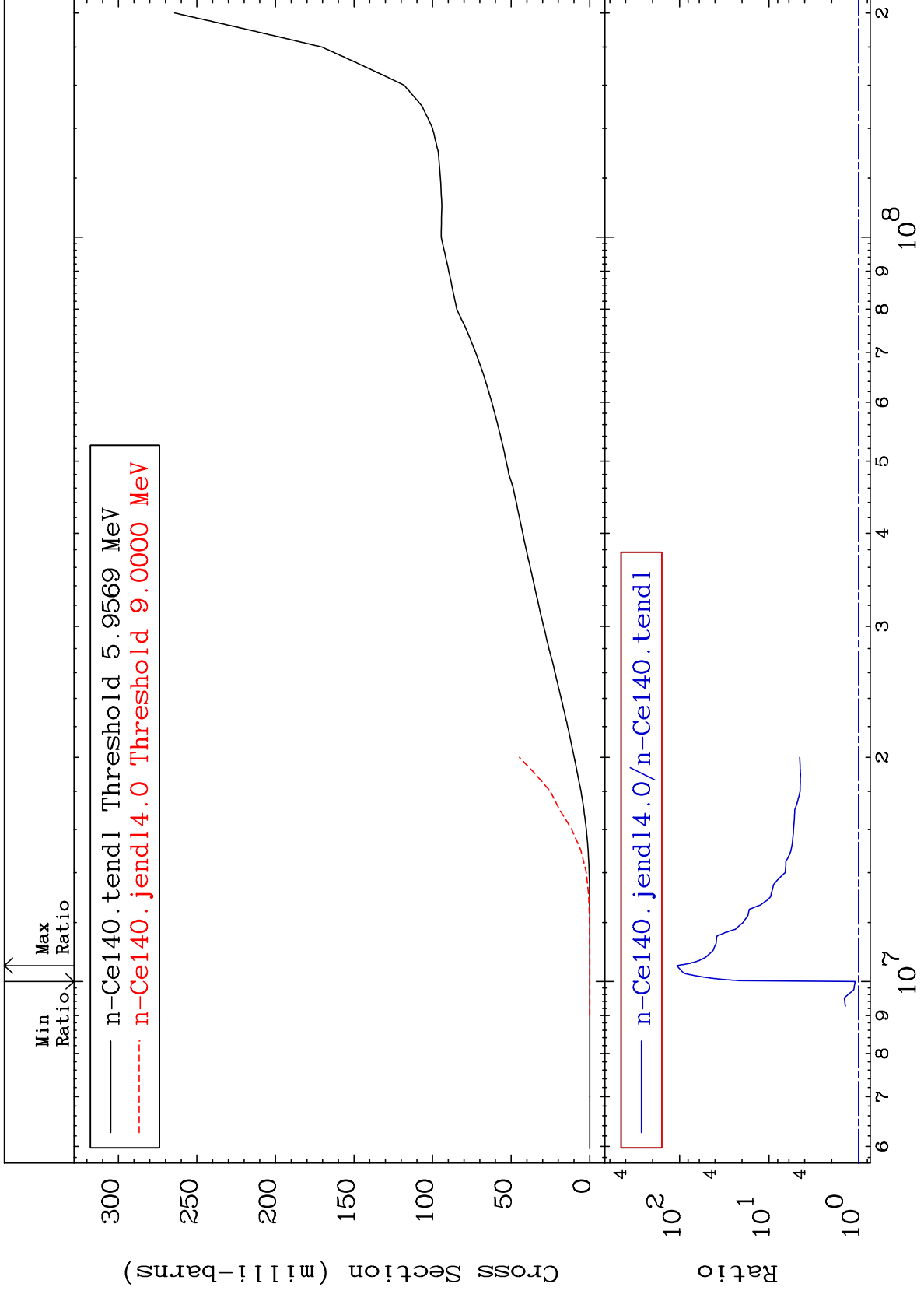
58-Ce-140
-92.56 To 54.60 %



MAT 5837

Deuterium Production
Cross Section

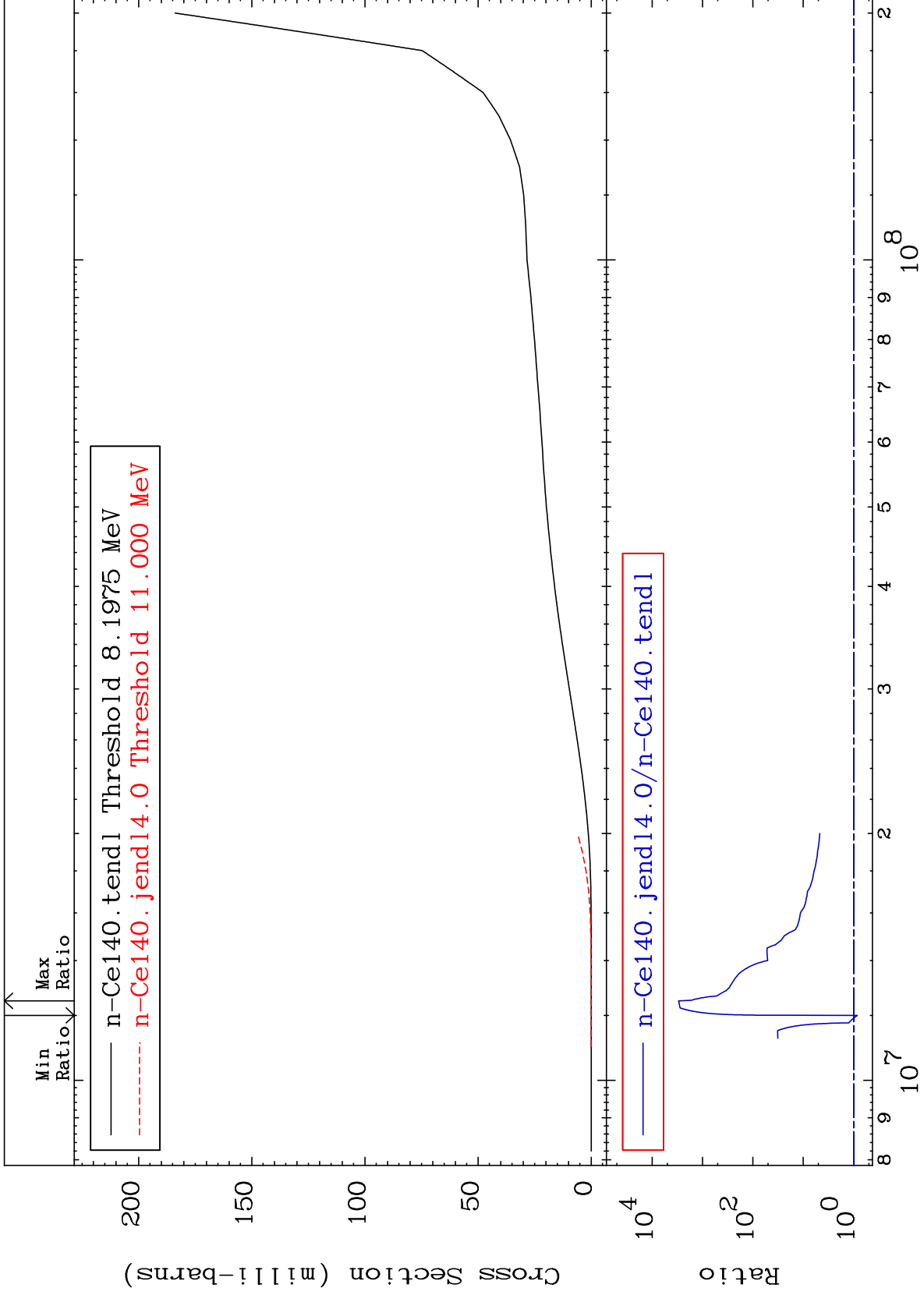
58-Ce-140
To 9999. %



MAT 5837

Tritium Production
Cross Section

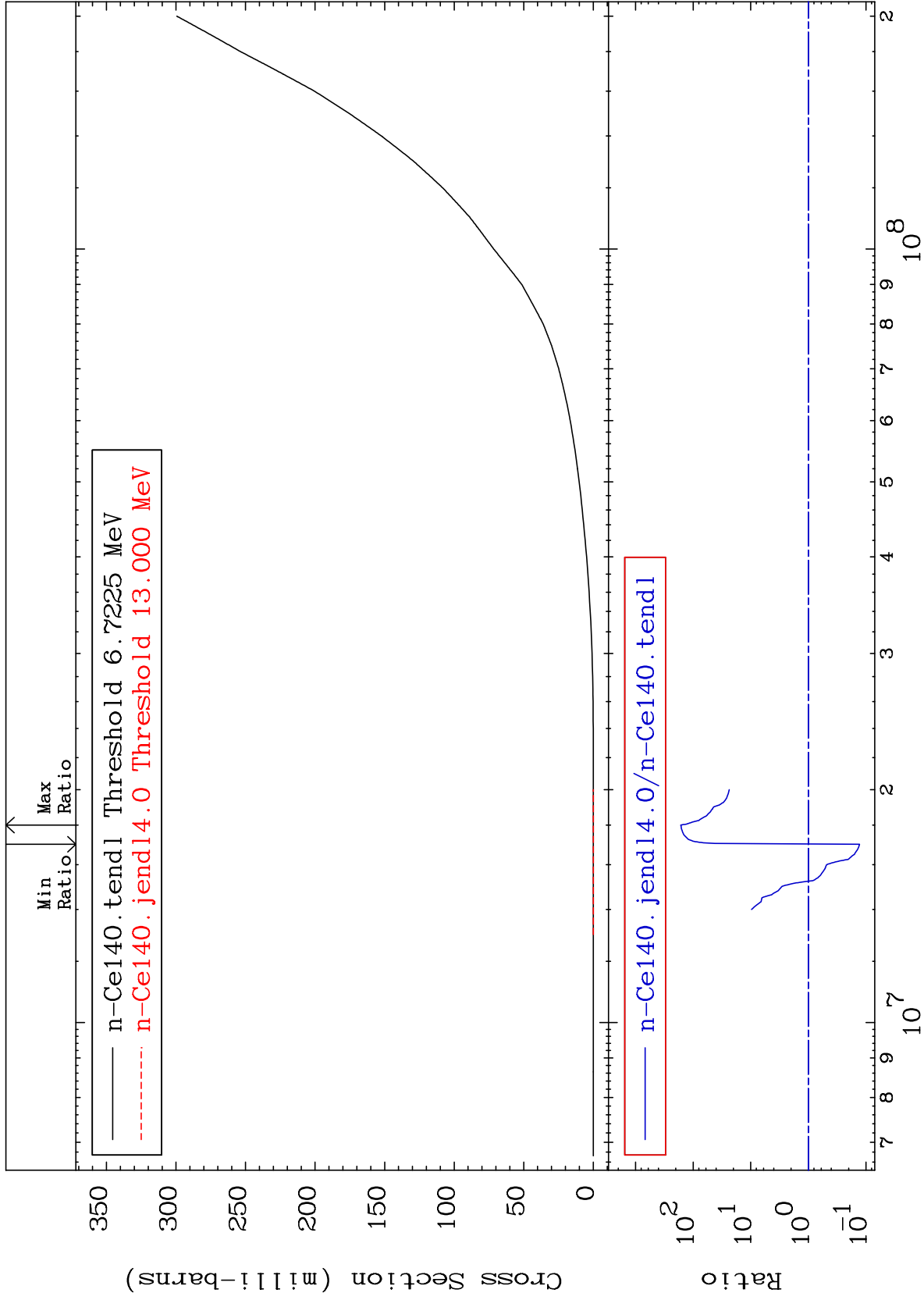
58-Ce-140
-15.22 To 9999. %



MAT 5837

He-3 Production
Cross Section

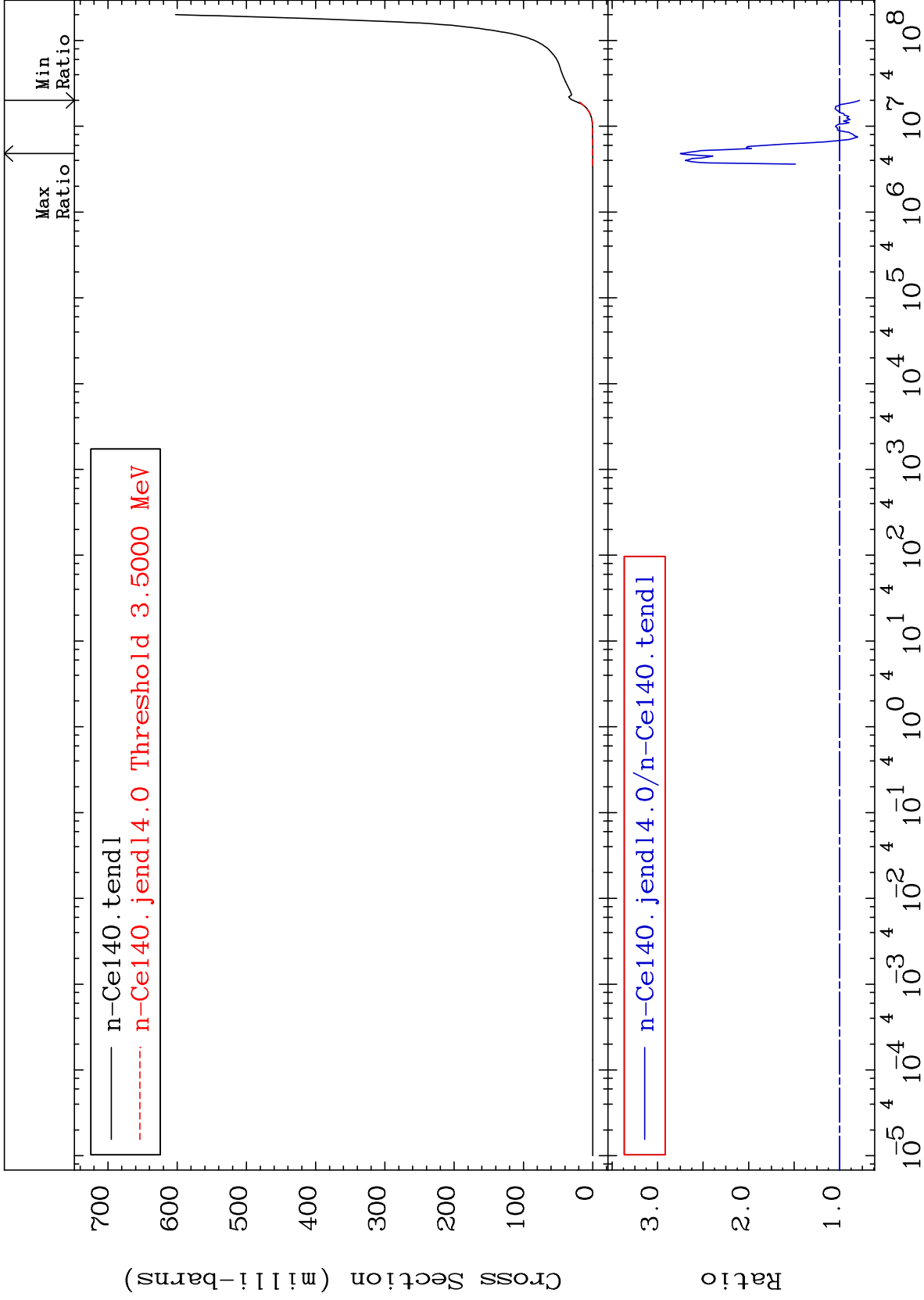
58-Ce-140
-87.07 To 9999. %



MAT 5837

He-4 Production
Cross Section

58-Ce-140
-21.73 To 175.0 %



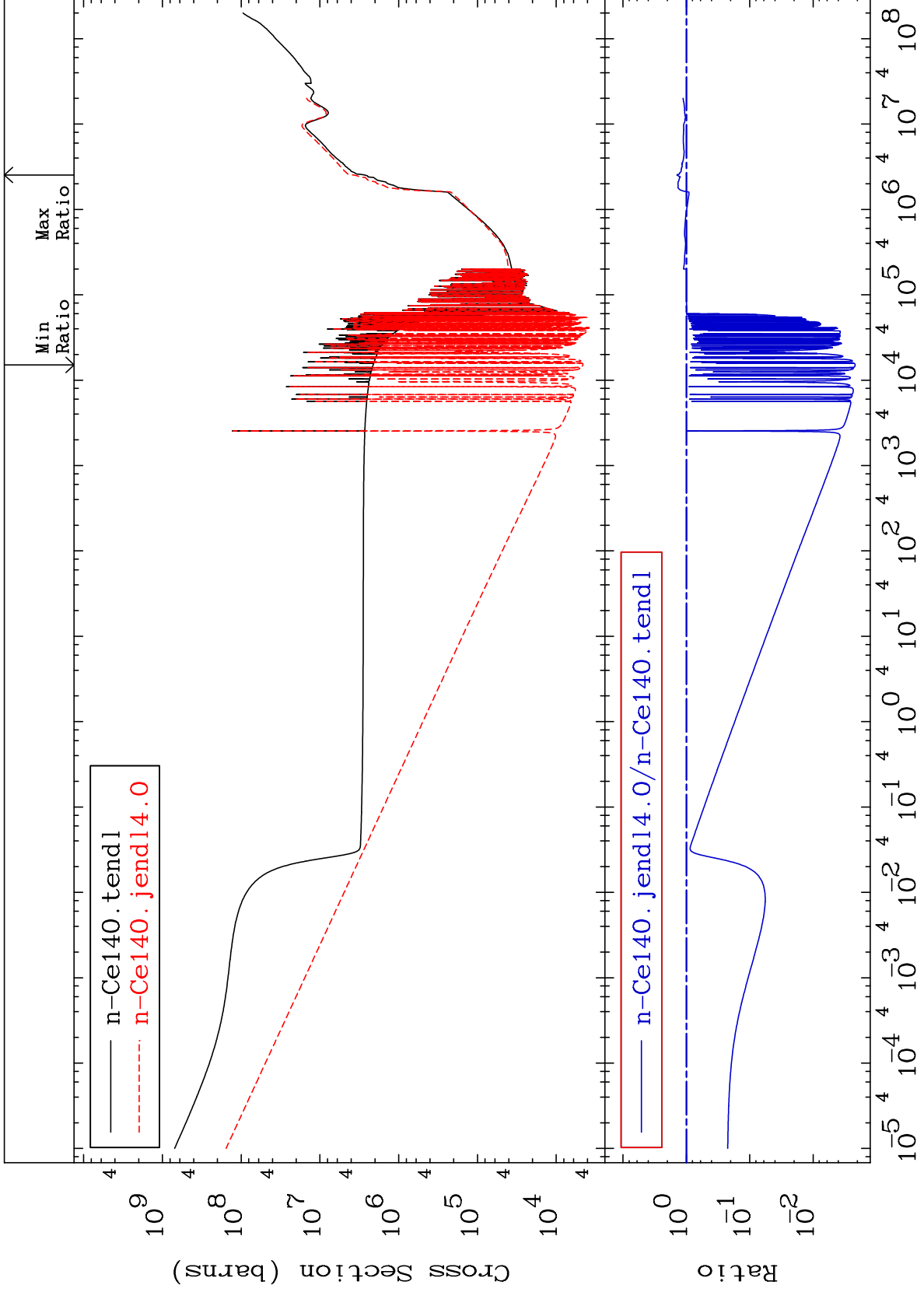
29

58-Ce-140

MAT 5837

Kerma total (eV-barns)
Cross Section

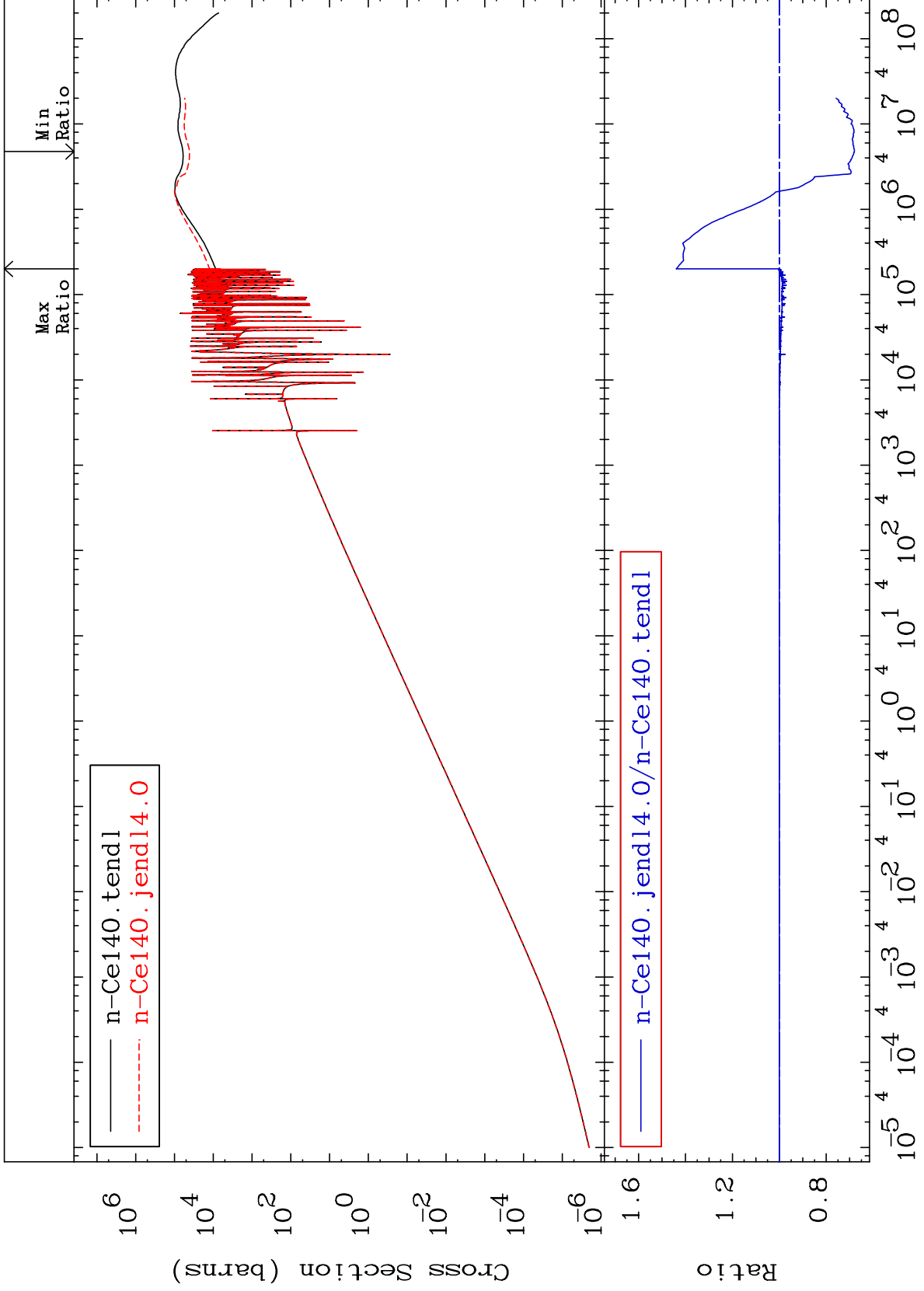
58-Ce-140
-99.78 To 40.98 %



MAT 5837

Kerma elastic
Cross Section

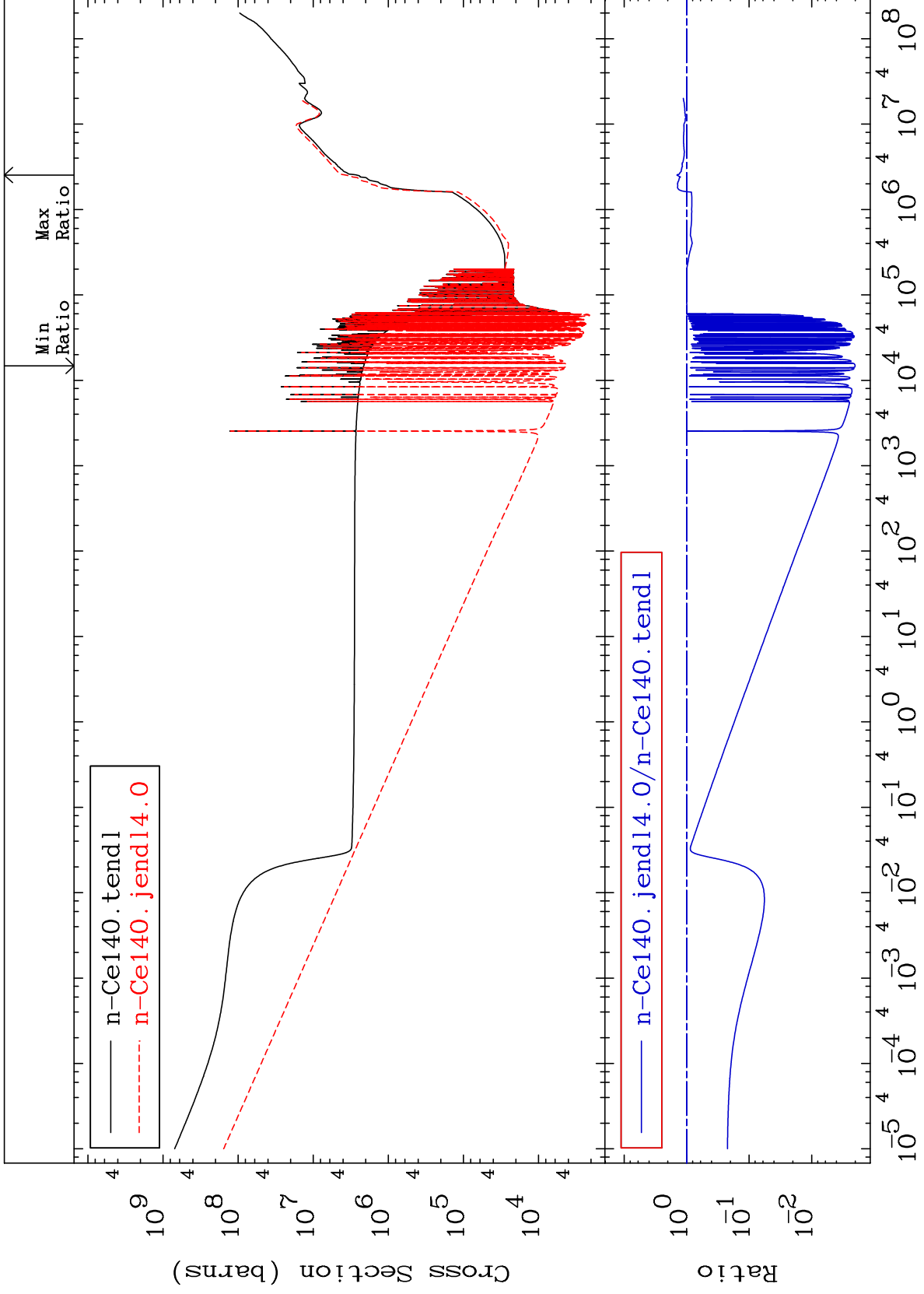
58-Ce-140
-32.00 To 43.91 %

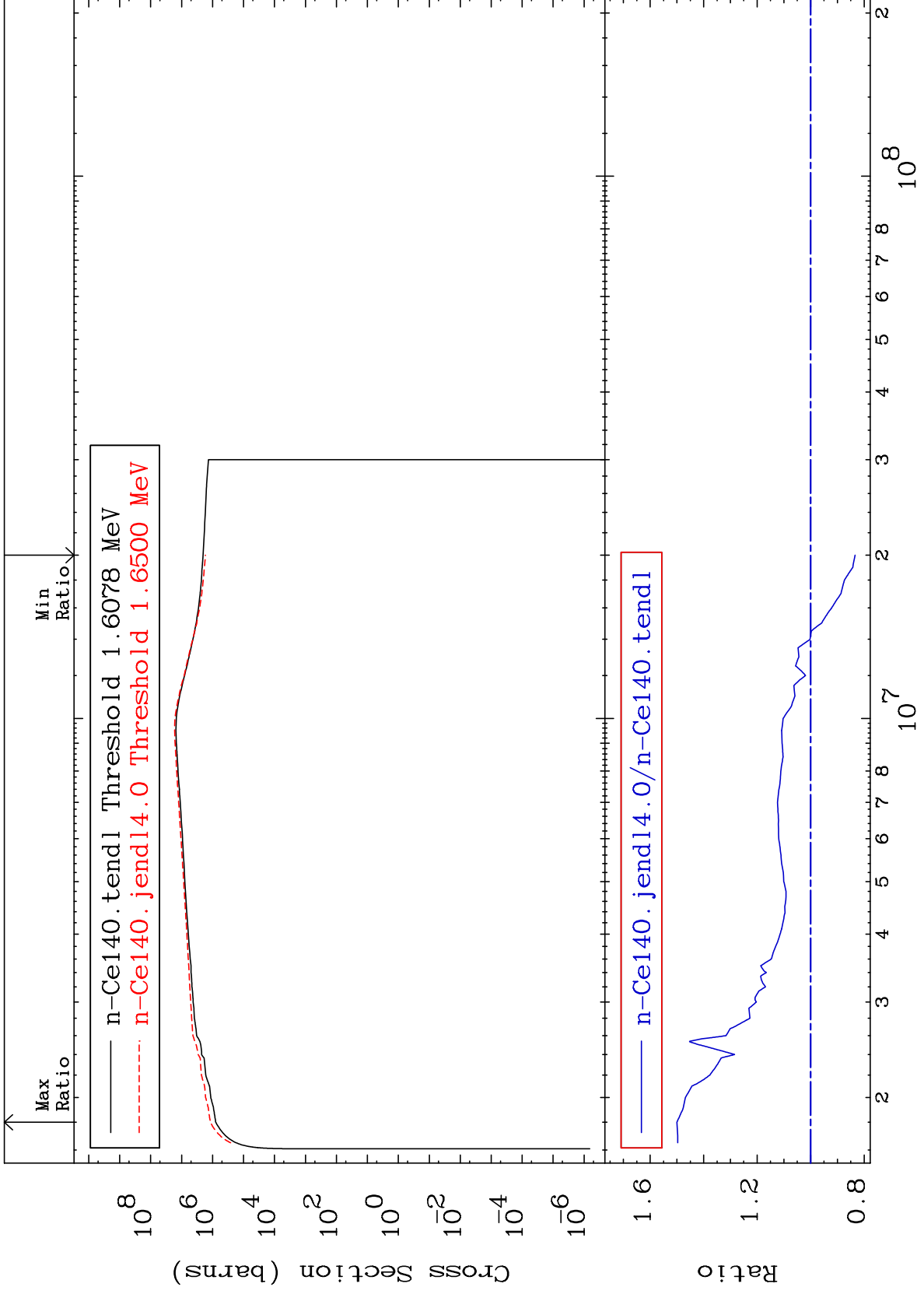


MAT 5837

Kerma non-elastic (all but mt2)
Cross Section

58-Ce-140
-99.80 To 42.98 %

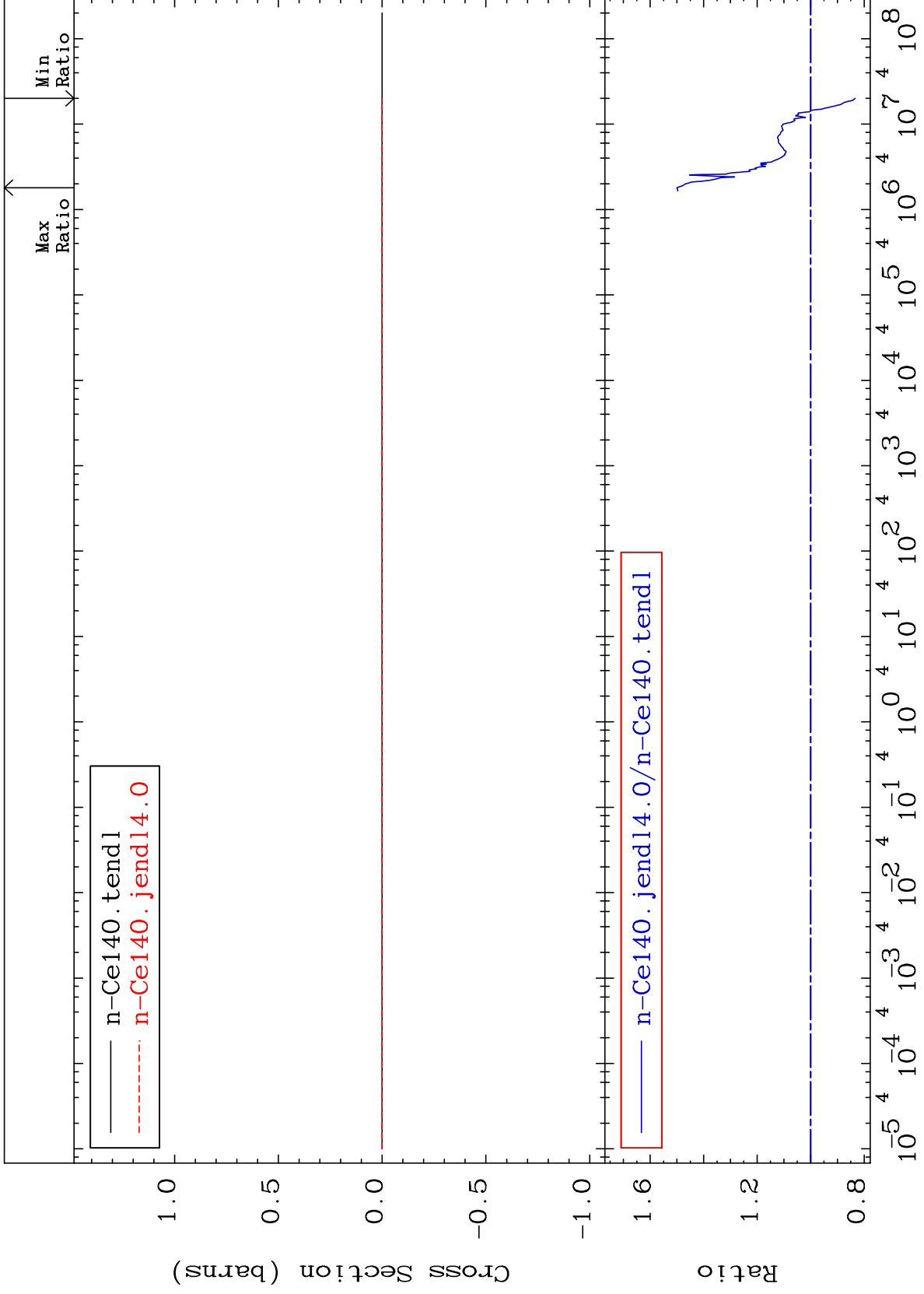




MAT 5837

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

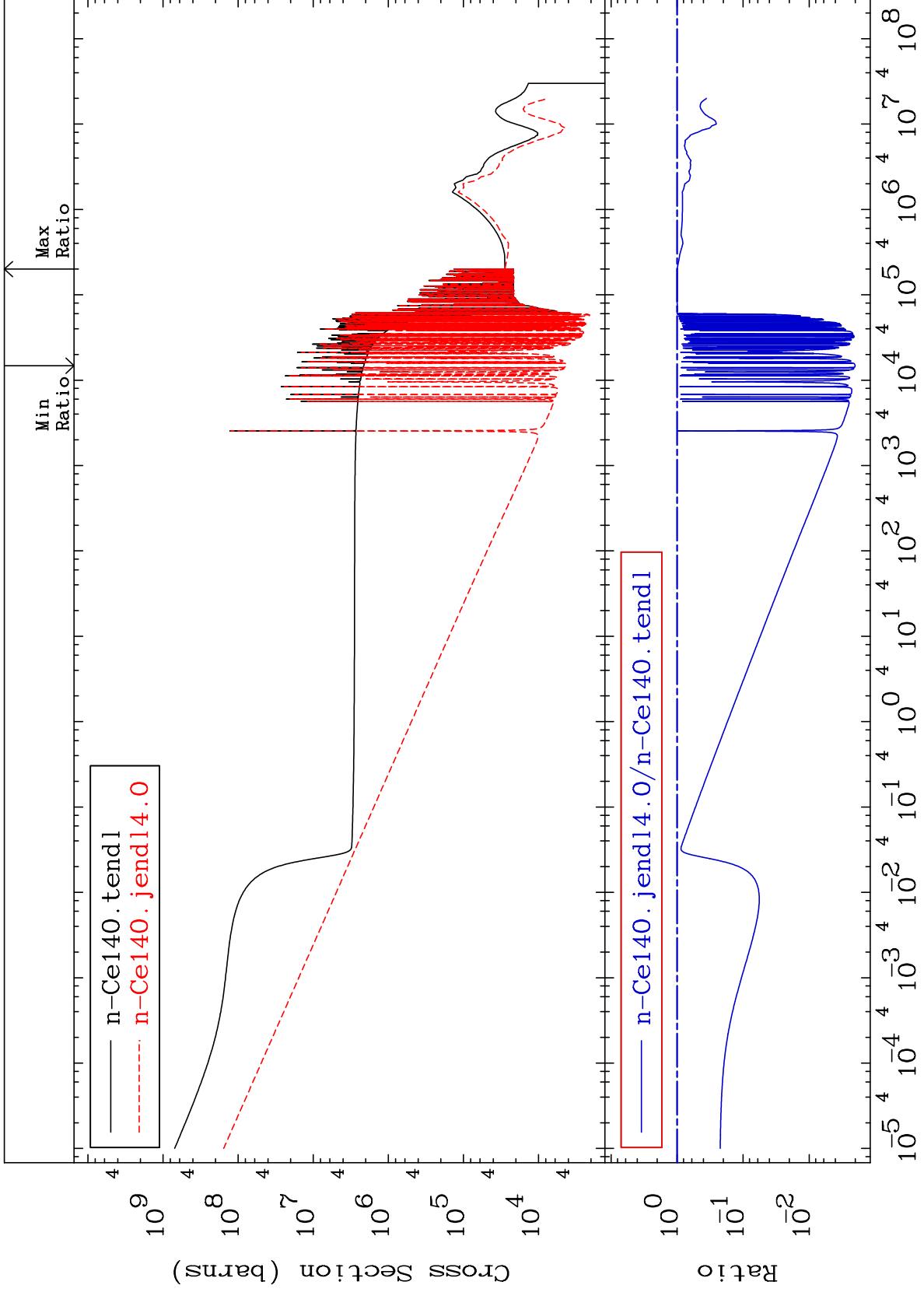
58-Ce-140
-16.62 To 49.99 %



MAT 5837

Kerma capture (mt102)
Cross Section

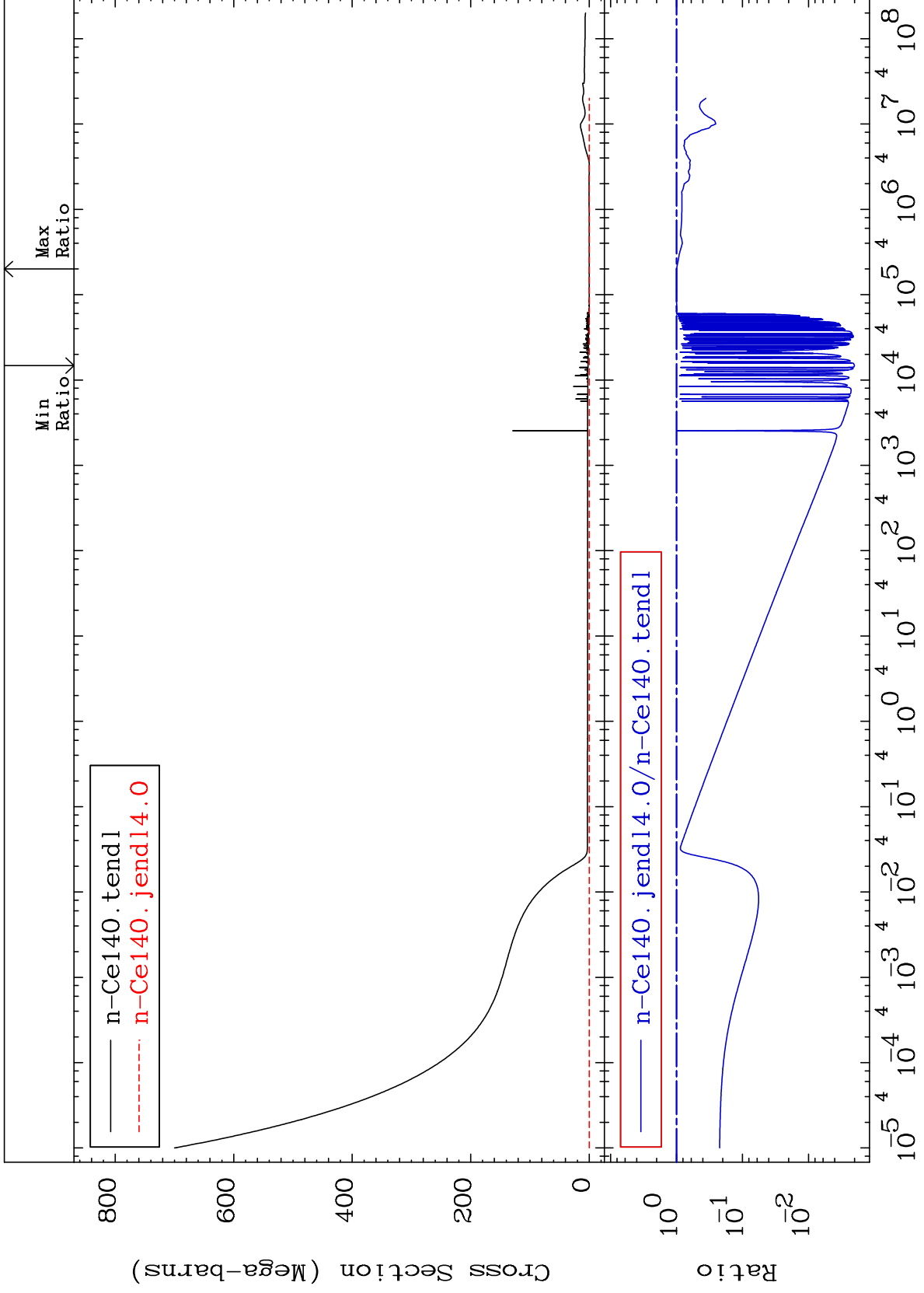
58-Ce-140
-99.80 To 0.573 %

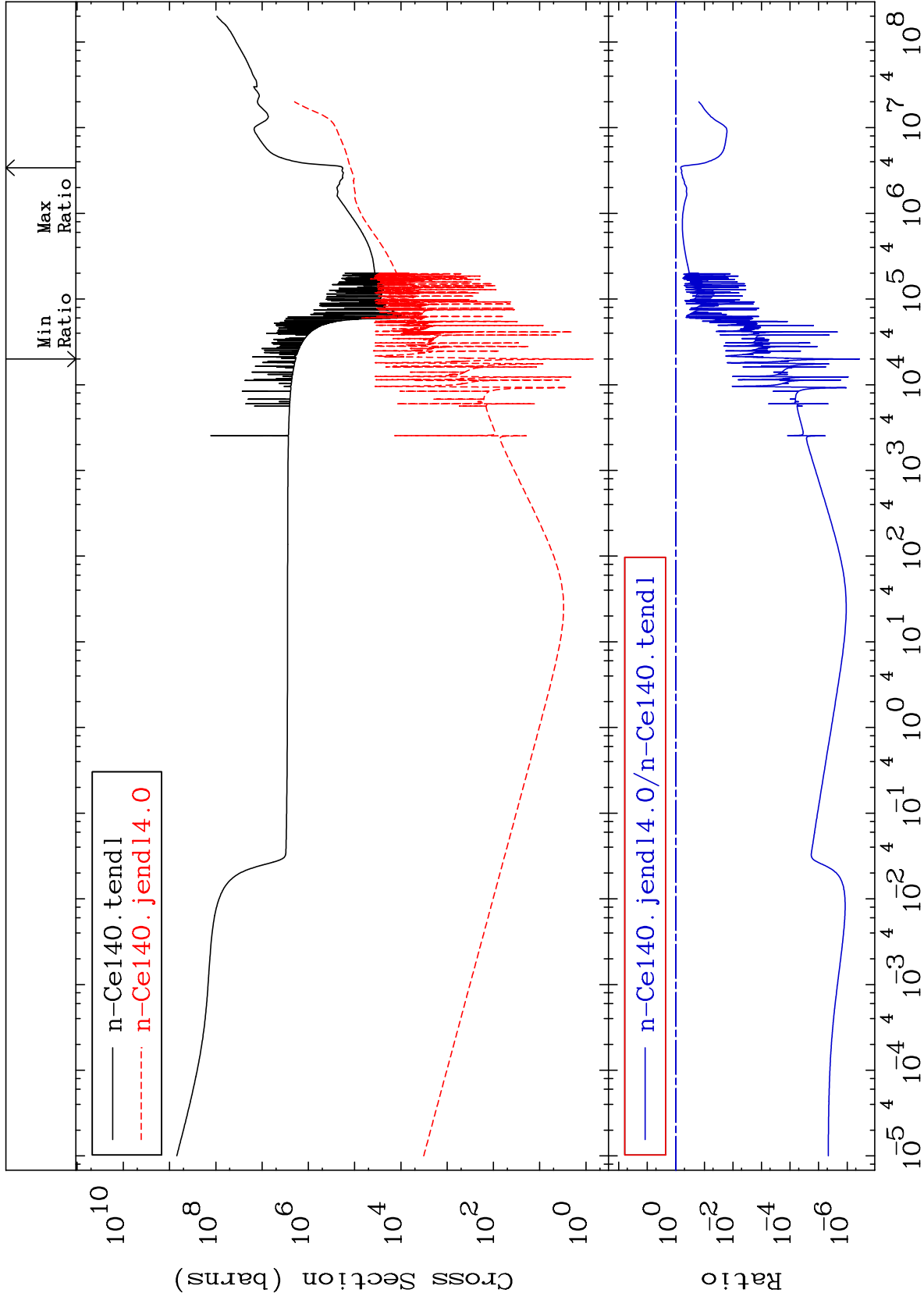


MAT 5837

Total photon (eV-barns)
Cross Section

58-Ce-140
-99.80 To 0.573 %

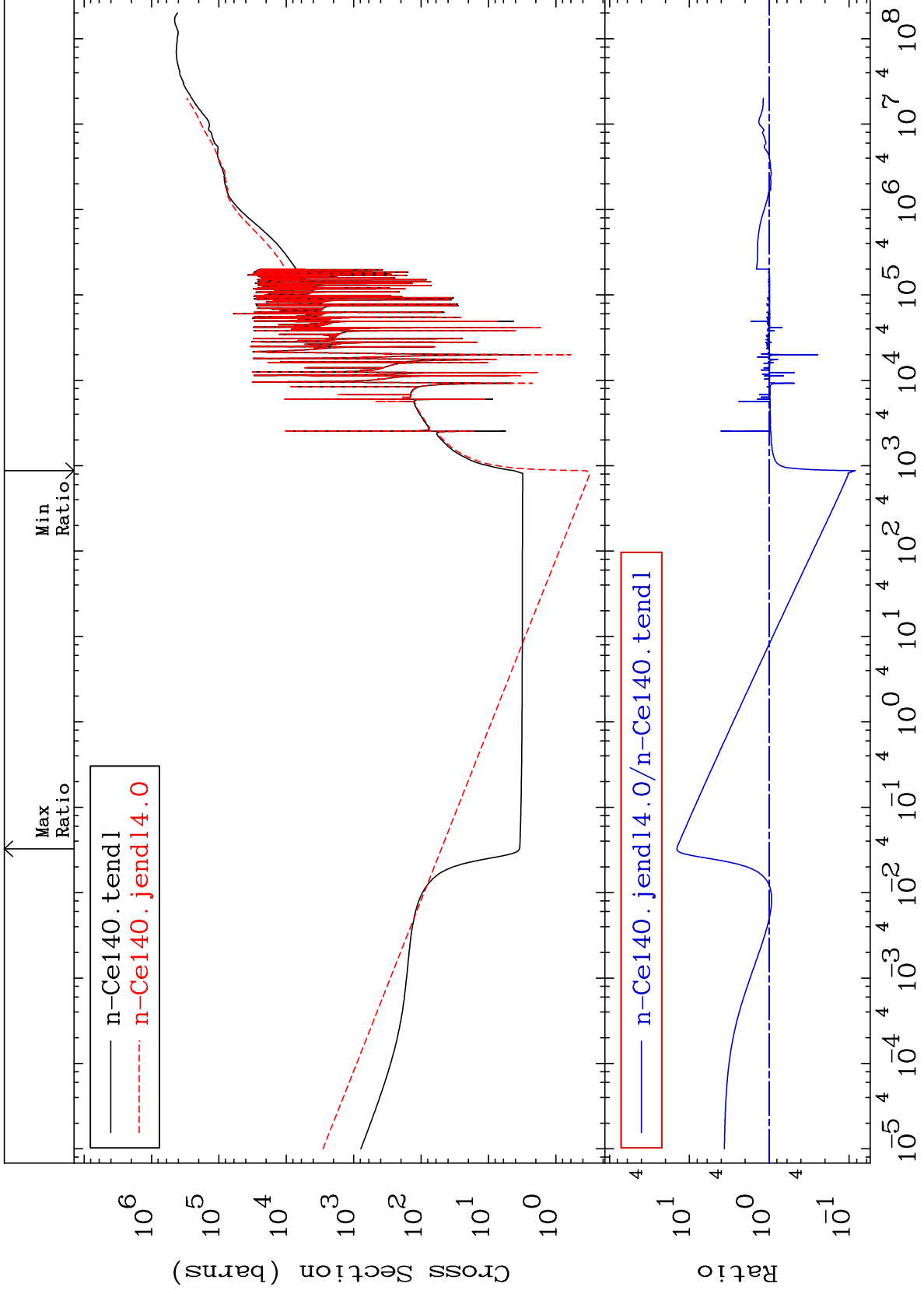




MAT 5837

Dpa total (eV-barns)
Cross Section

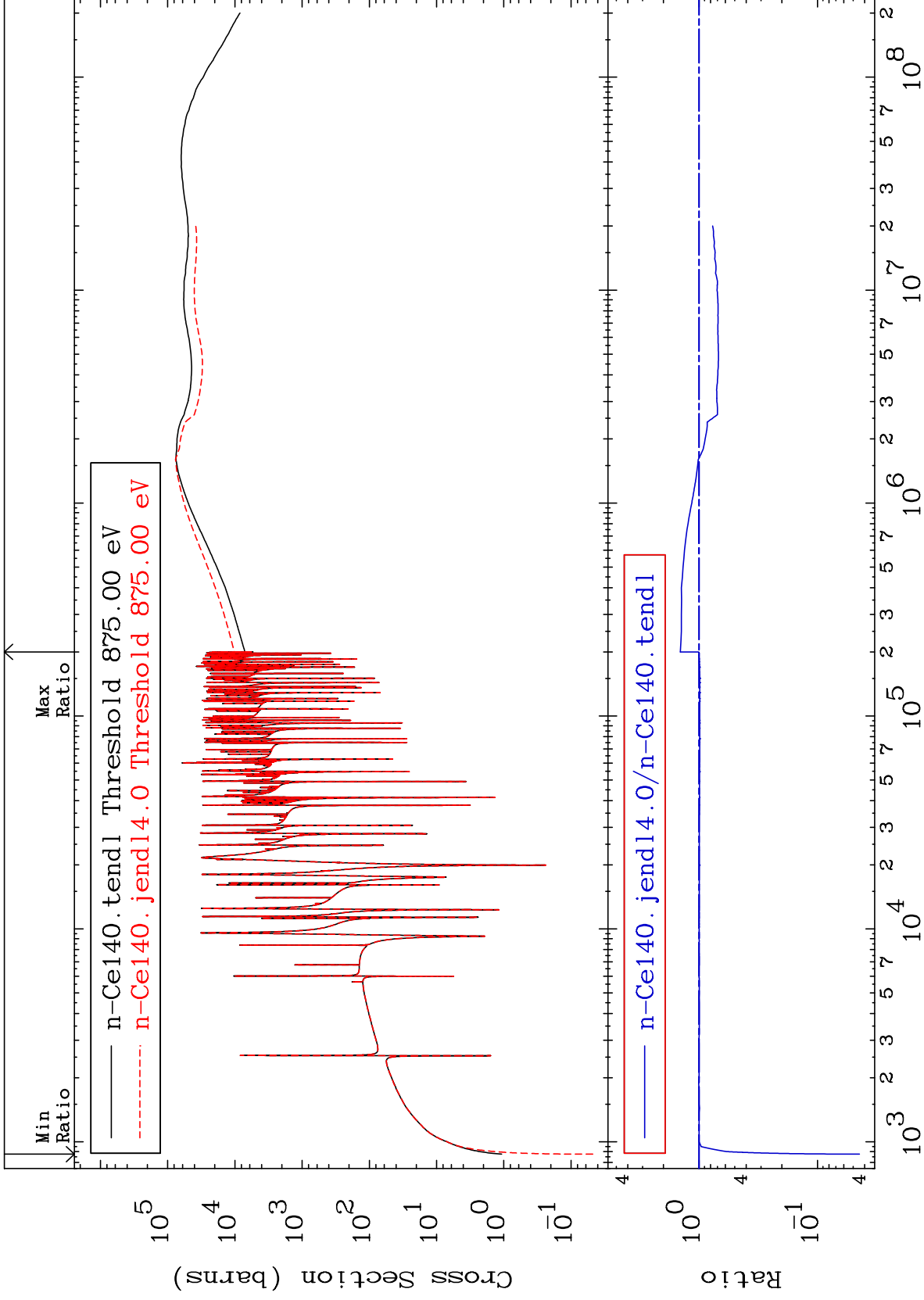
58-Ce-140
-91.60 To 1334. %



MAT 5837

Dpa elastic (mt2)
Cross Section

58-Ce-140
-95.57 To 43.86 %



39

58-Ce-140

