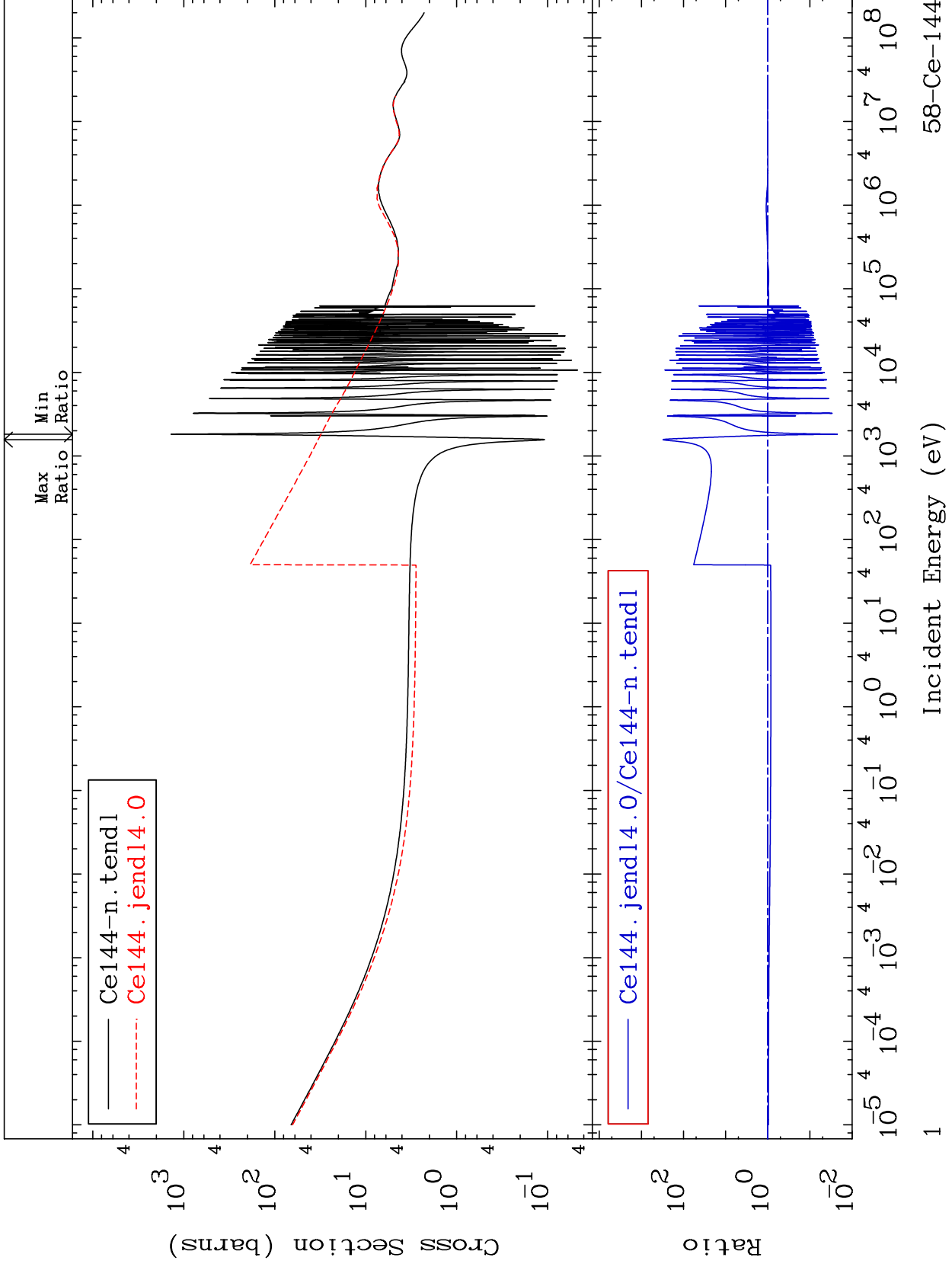


MAT 5849

Total
Cross Section

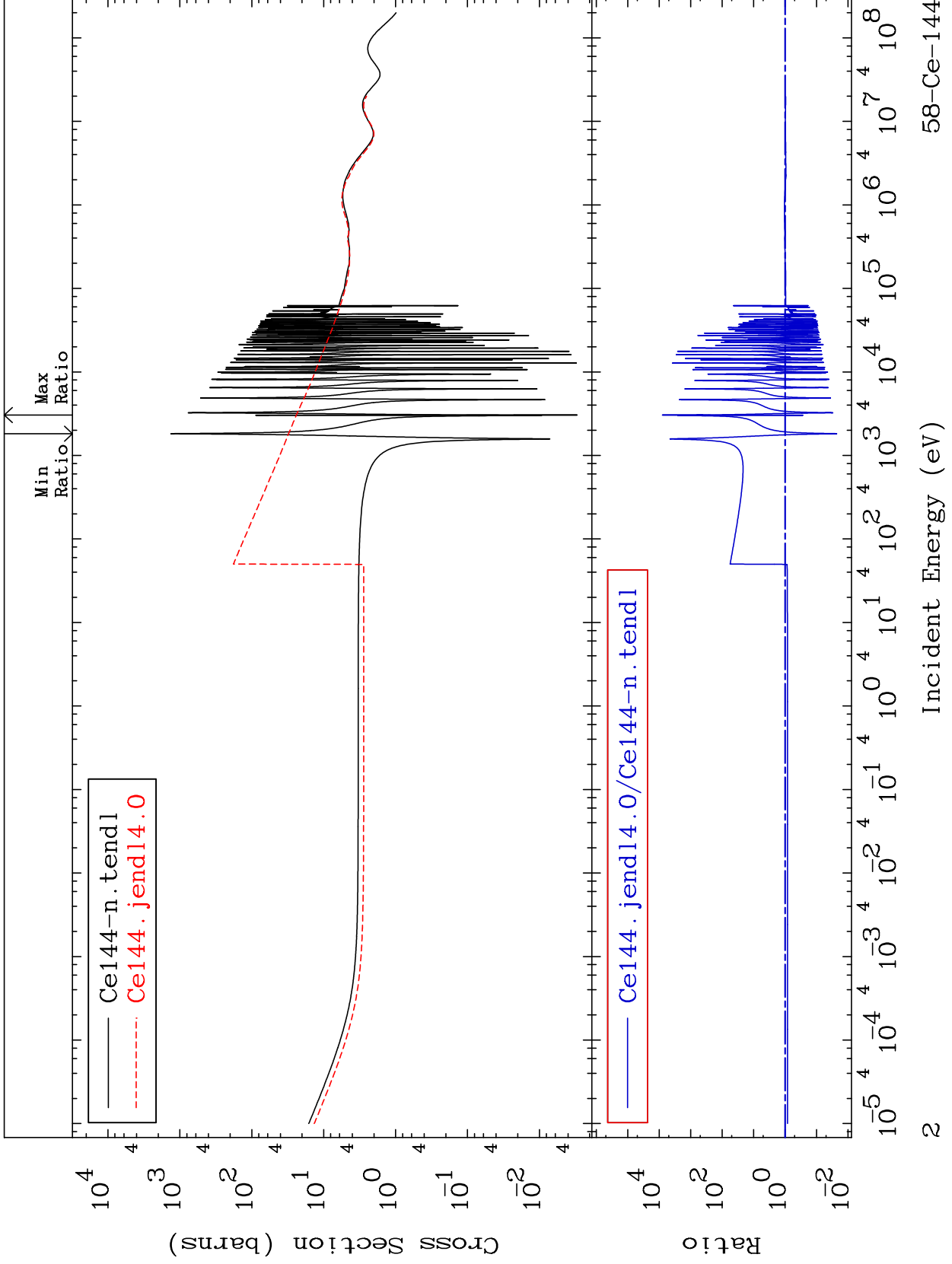
58-Ce-144
-97.76 To 9999. %



MAT 5849

Elastic
Cross Section

58-Ce-144
-97.70 To 9999. %



58-Ce-144

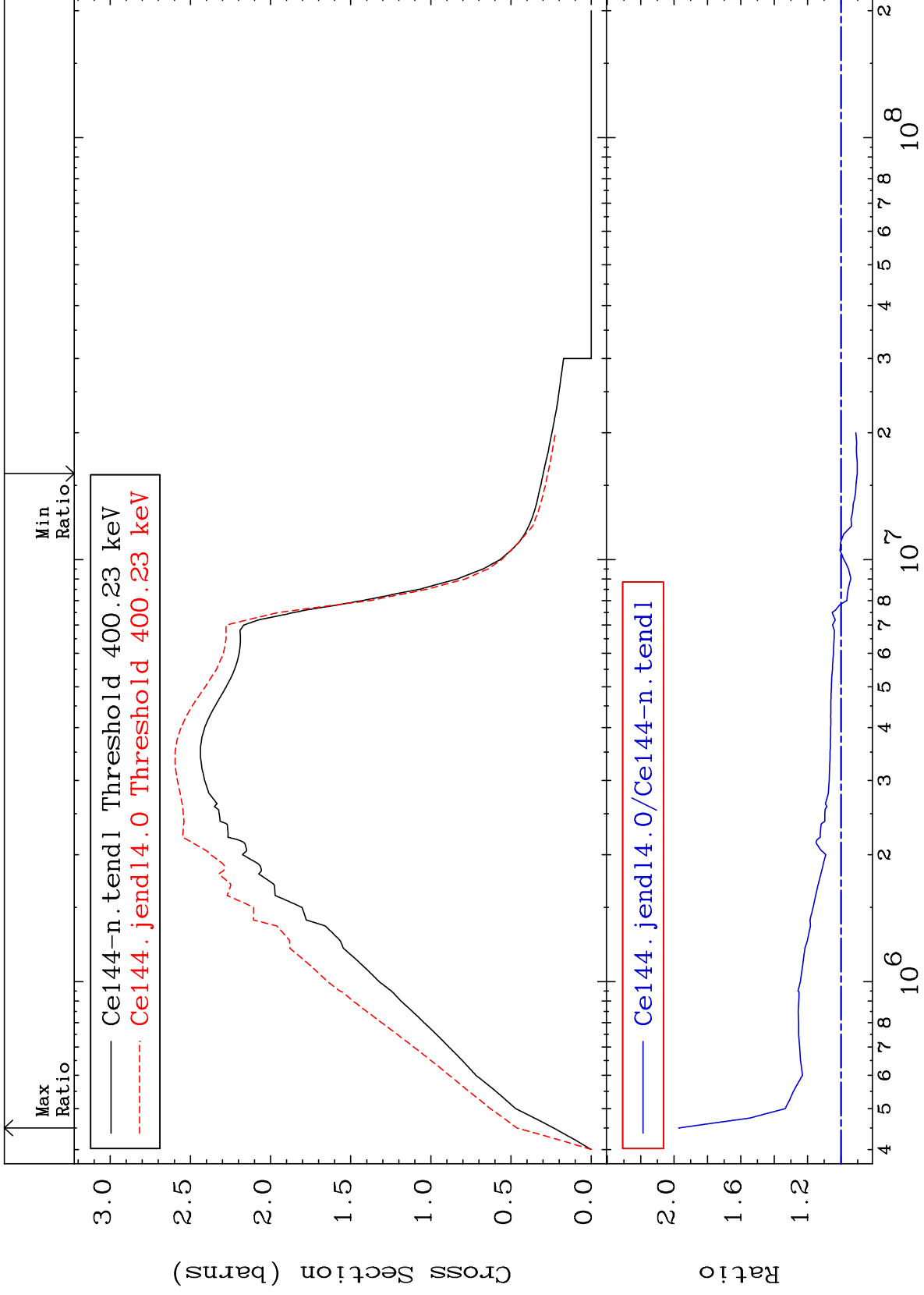
Incident Energy (eV)

2

MAT 5849

Inelastic
Cross Section

58-Ce-144
-9.763 To 97.24 %



3

58-Ce-144

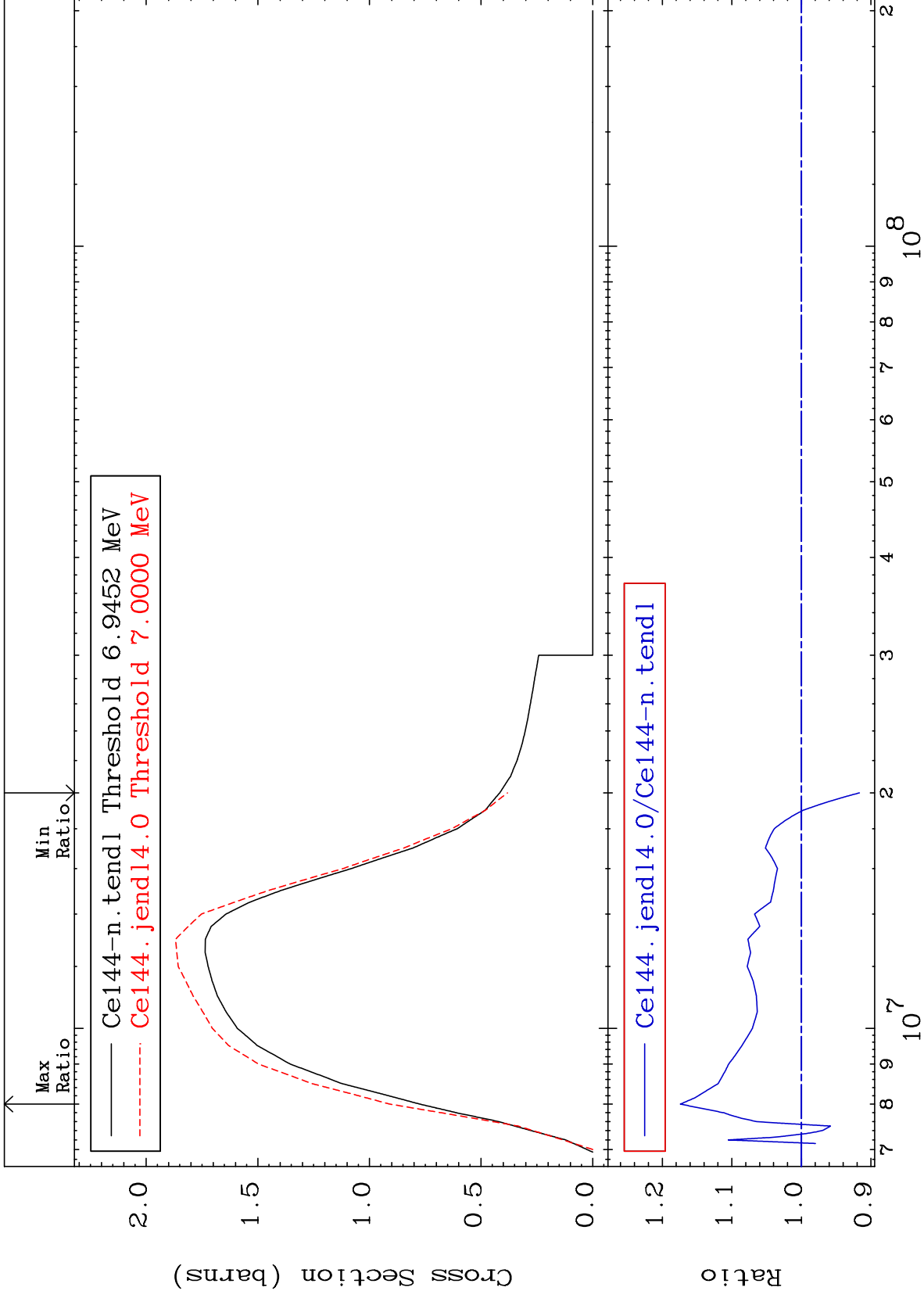
MAT 5849

(n,2n)

58-Ce-144

Cross Section

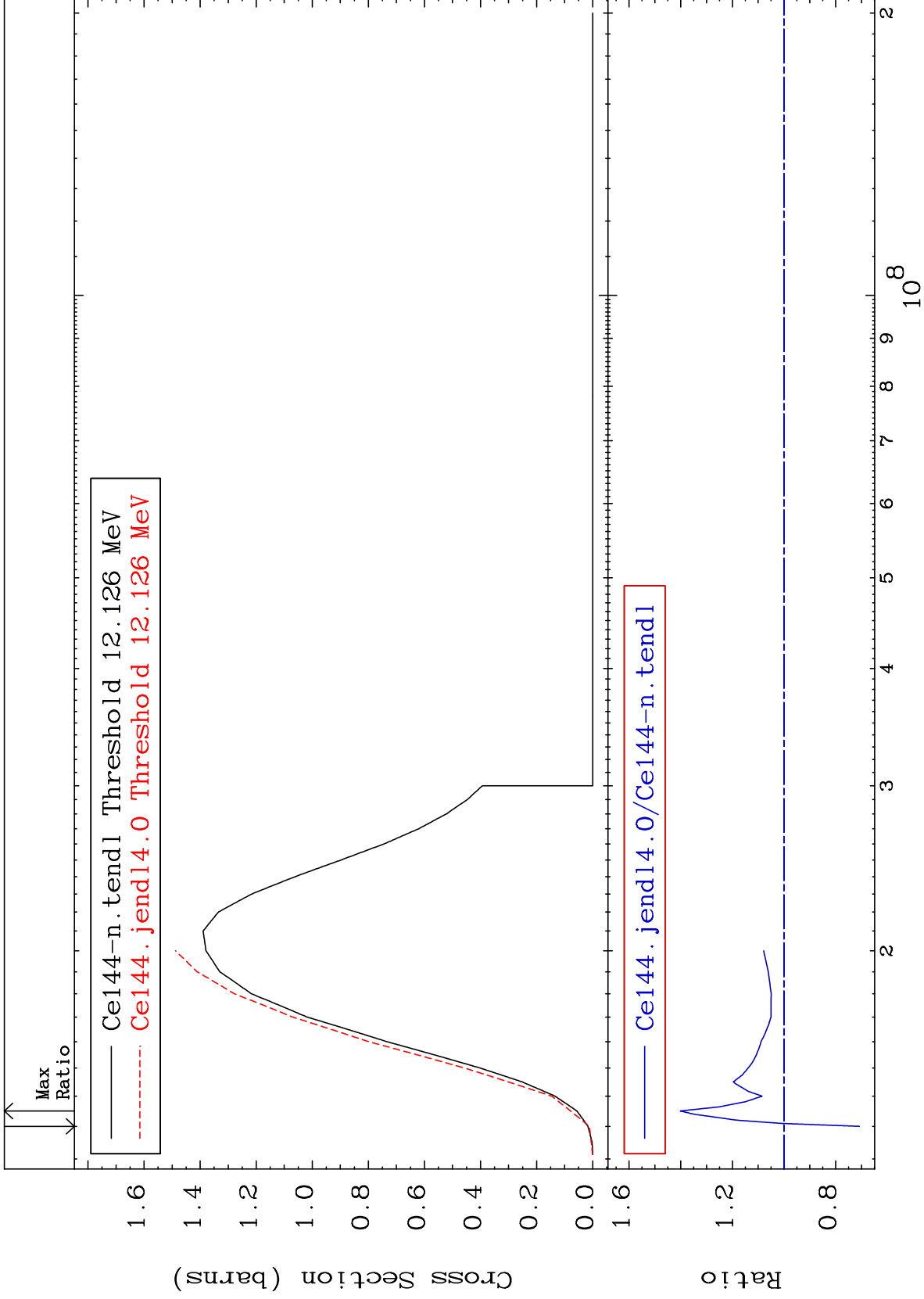
-8.342 To 17.40 %



MAT 5849

(n,3n)
Cross Section

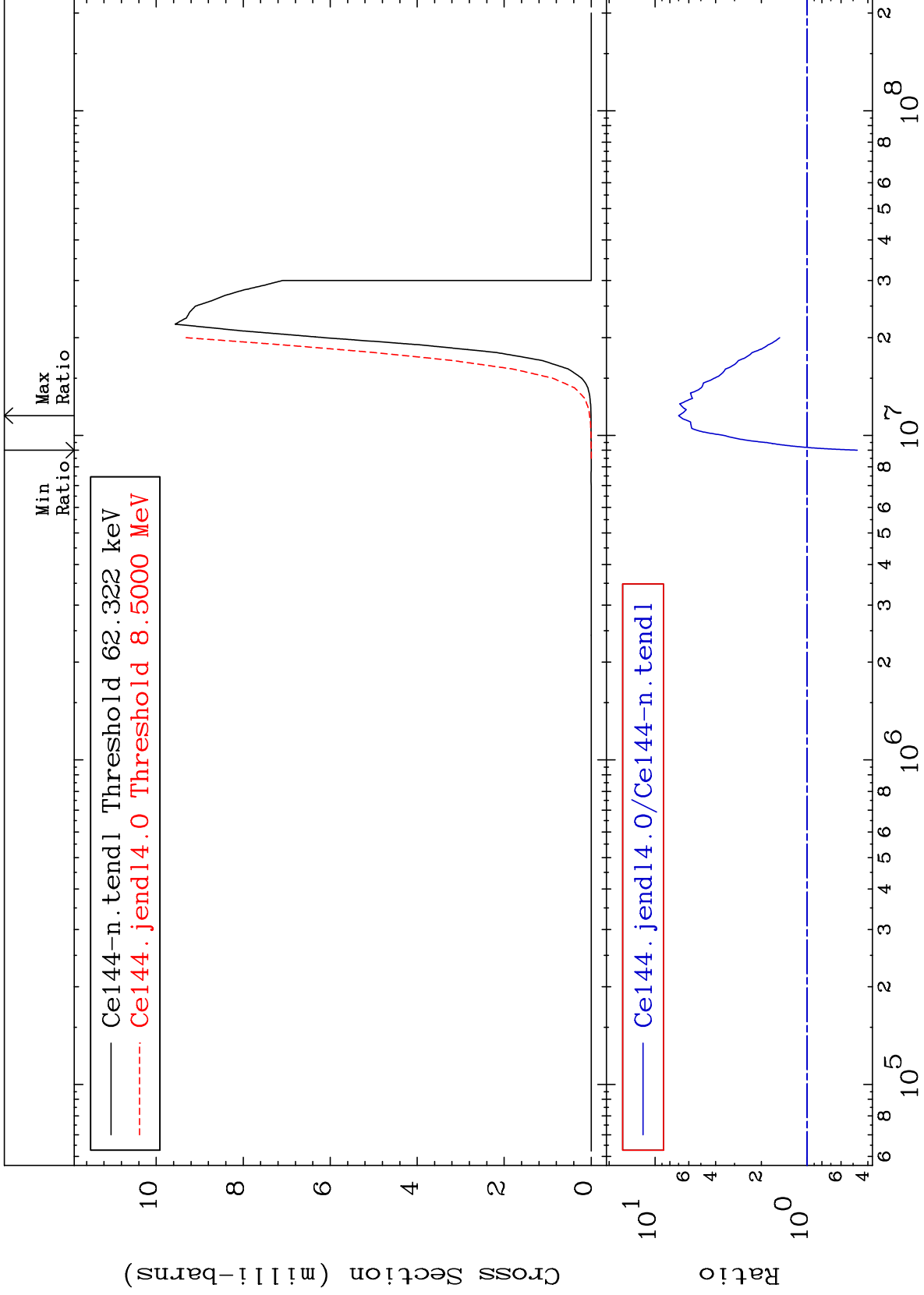
58-Ce-144
-29.21 To 40.14 %



MAT 5849

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

58-Ce-144
-53.09 To 599.6 %



6

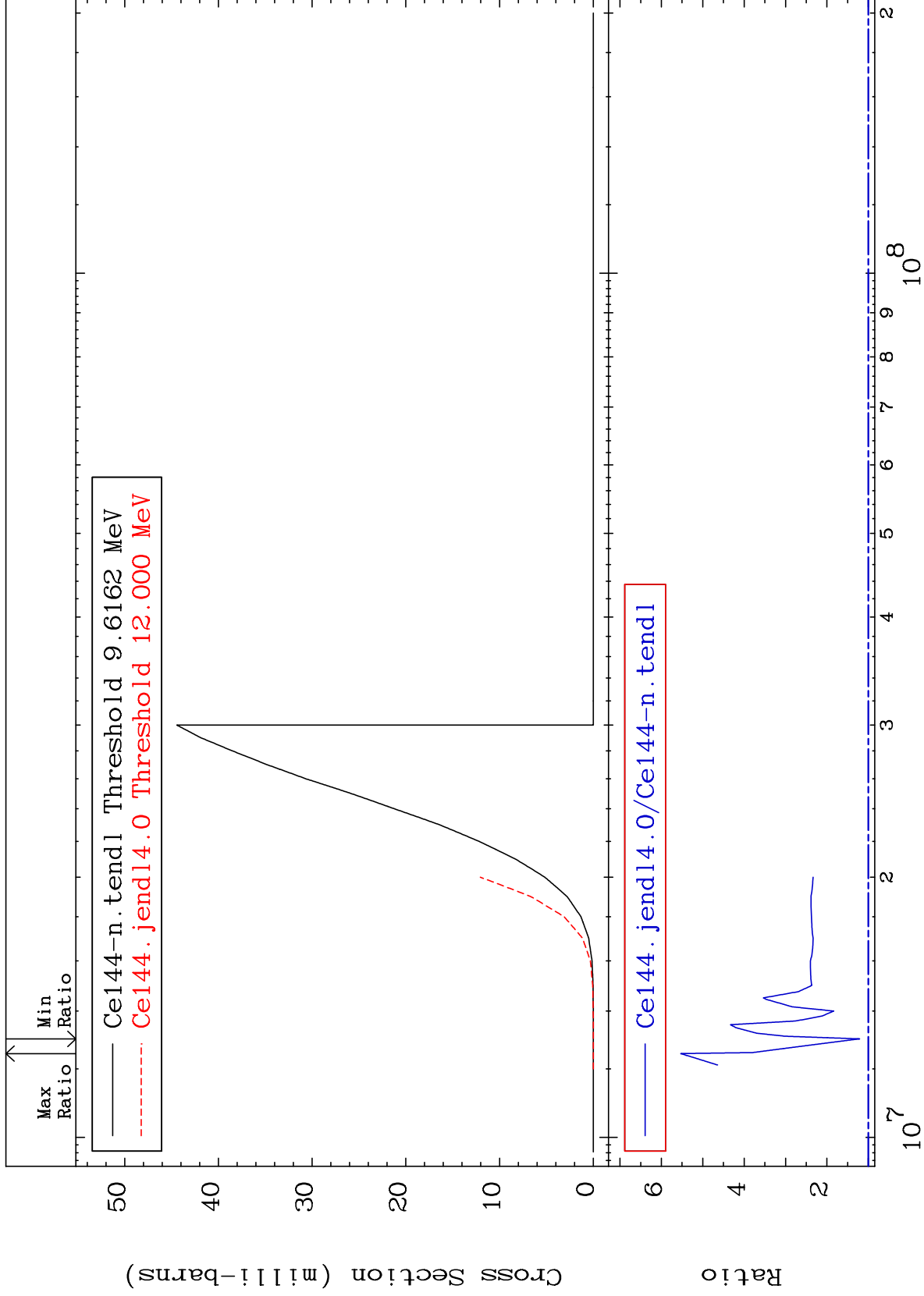
Incident Energy (eV)

58-Ce-144

MAT 5849

(n,n') p
Cross Section

58-Ce-144
21.20 To 453.1 %



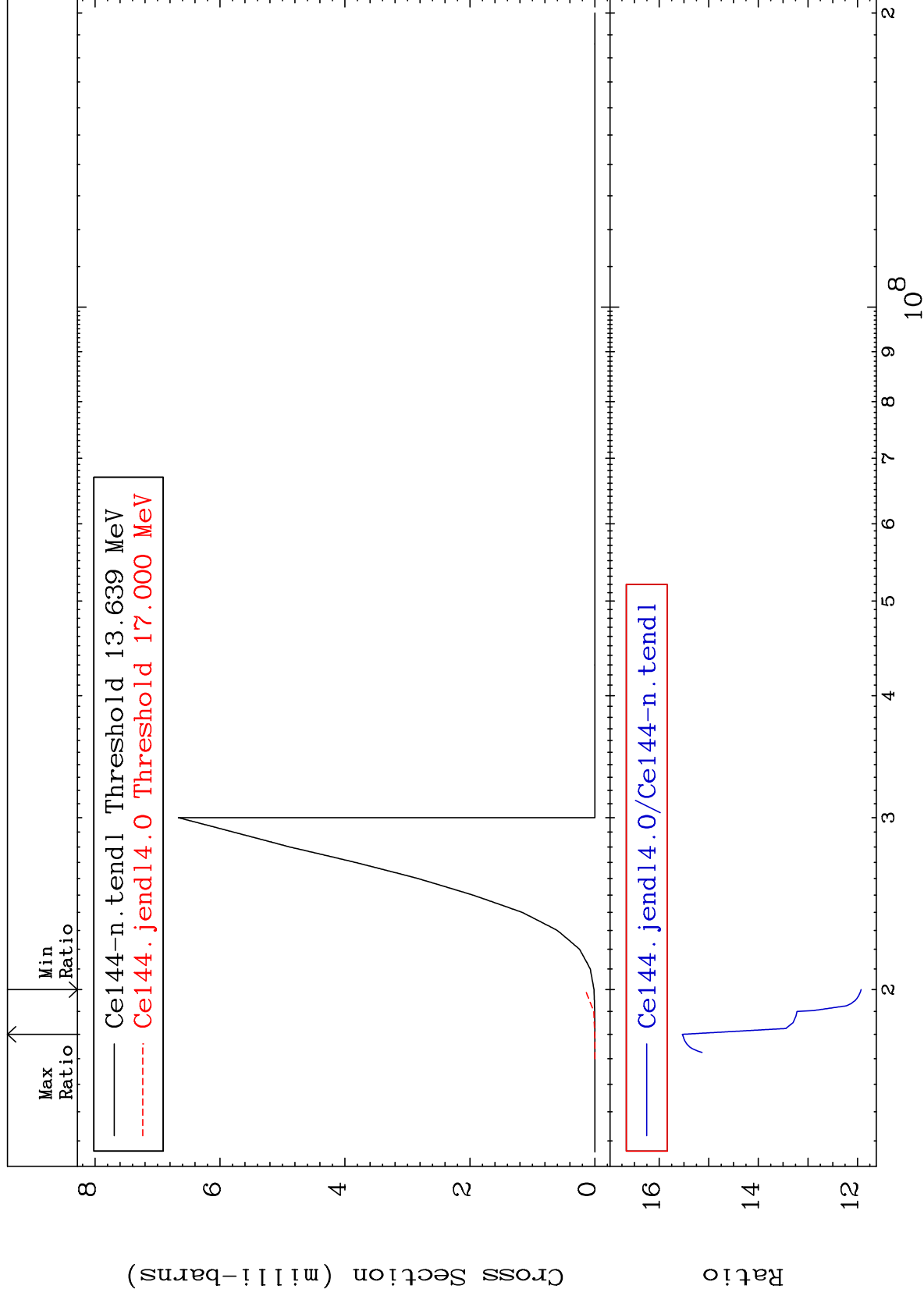
58-Ce-144

Incident Energy (eV)

MAT 5849

(n,n') d
Cross Section

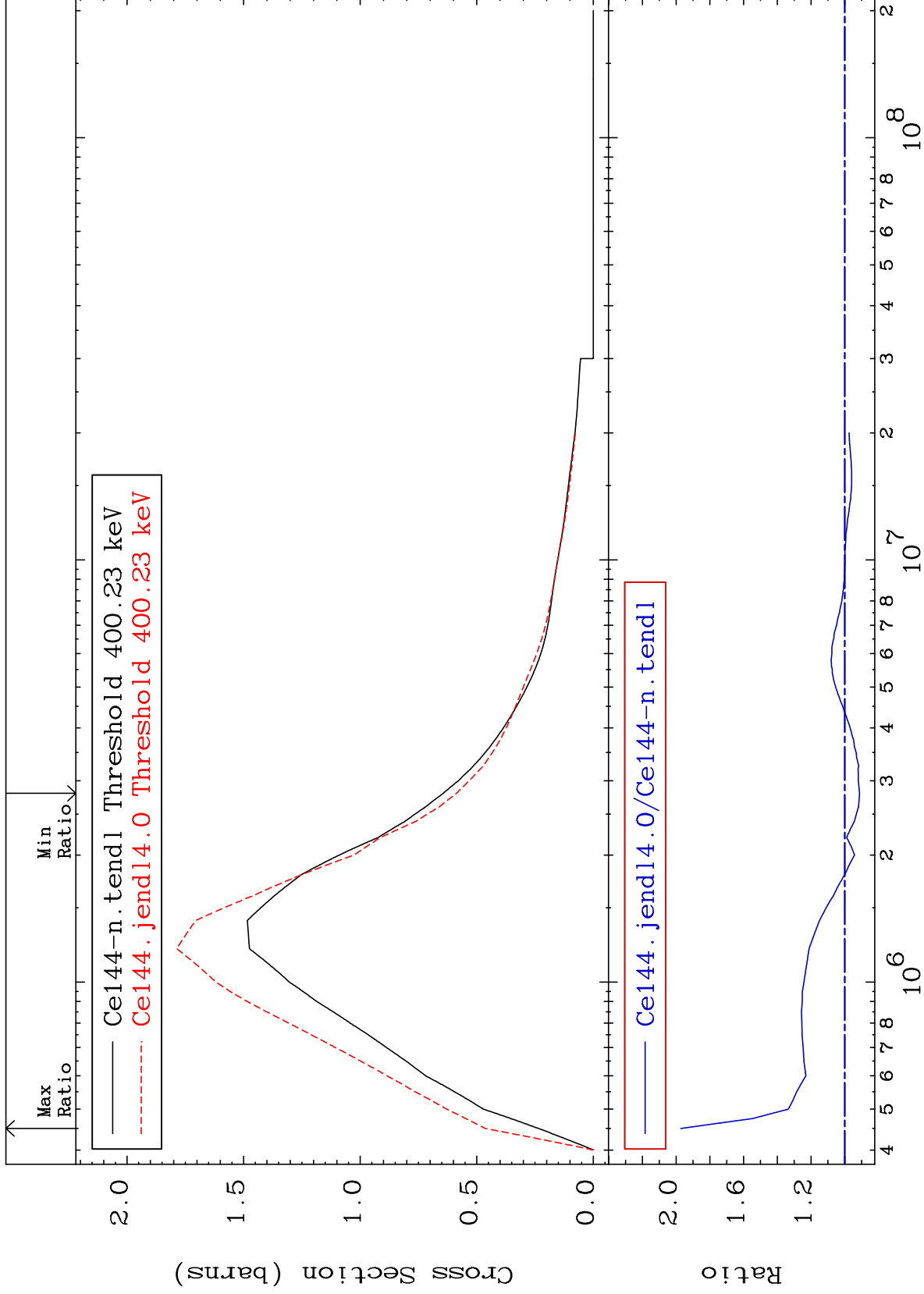
58-Ce-144
To 1453. %



MAT 5849

397.4 keV (n,n') Level
Cross Section

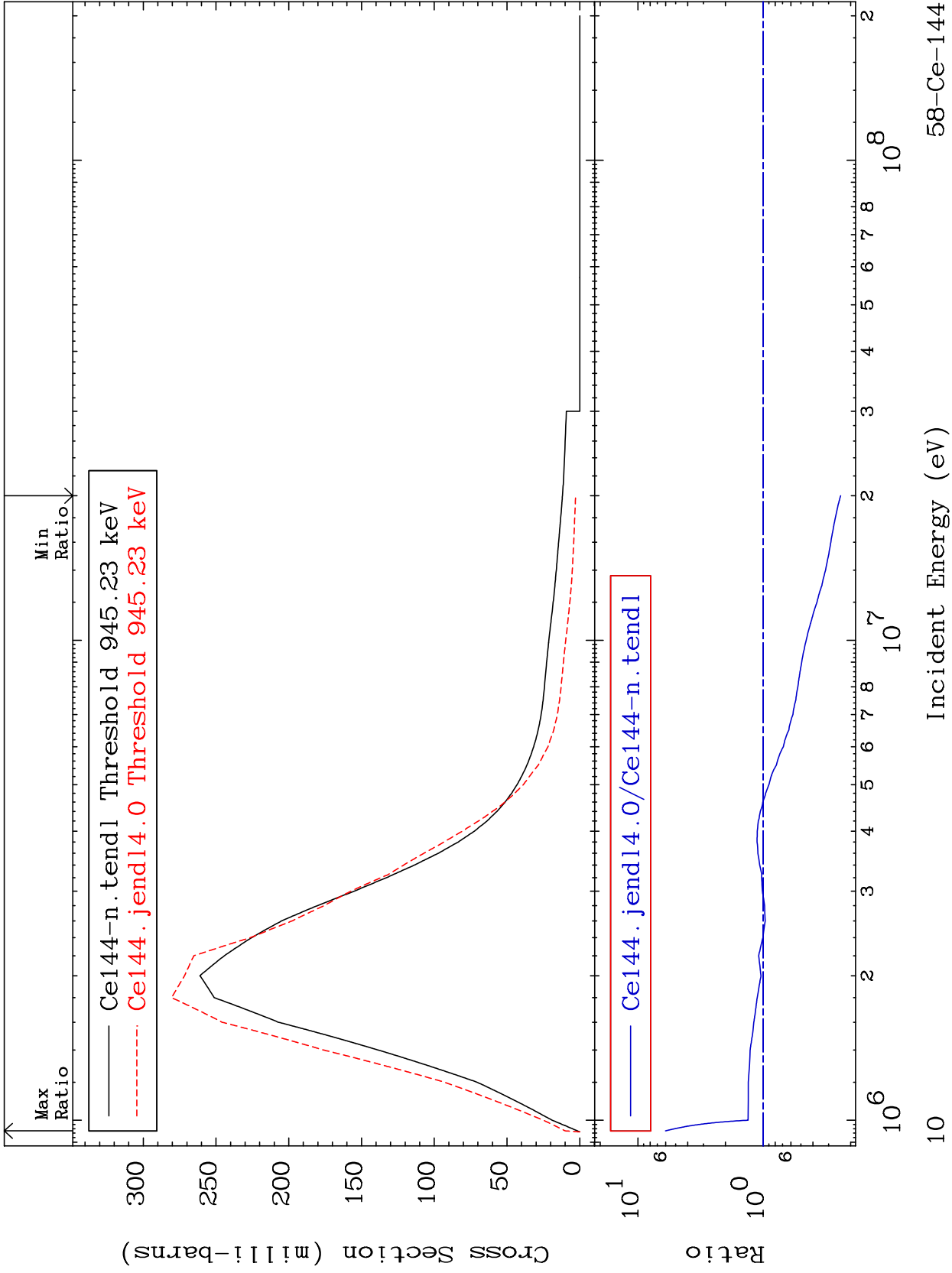
58-Ce-144
-8.787 To 97.24 %



MAT 5849

938.7 keV (n,n') Level
Cross Section

58-Ce-144
-75.96 To 502.6 %

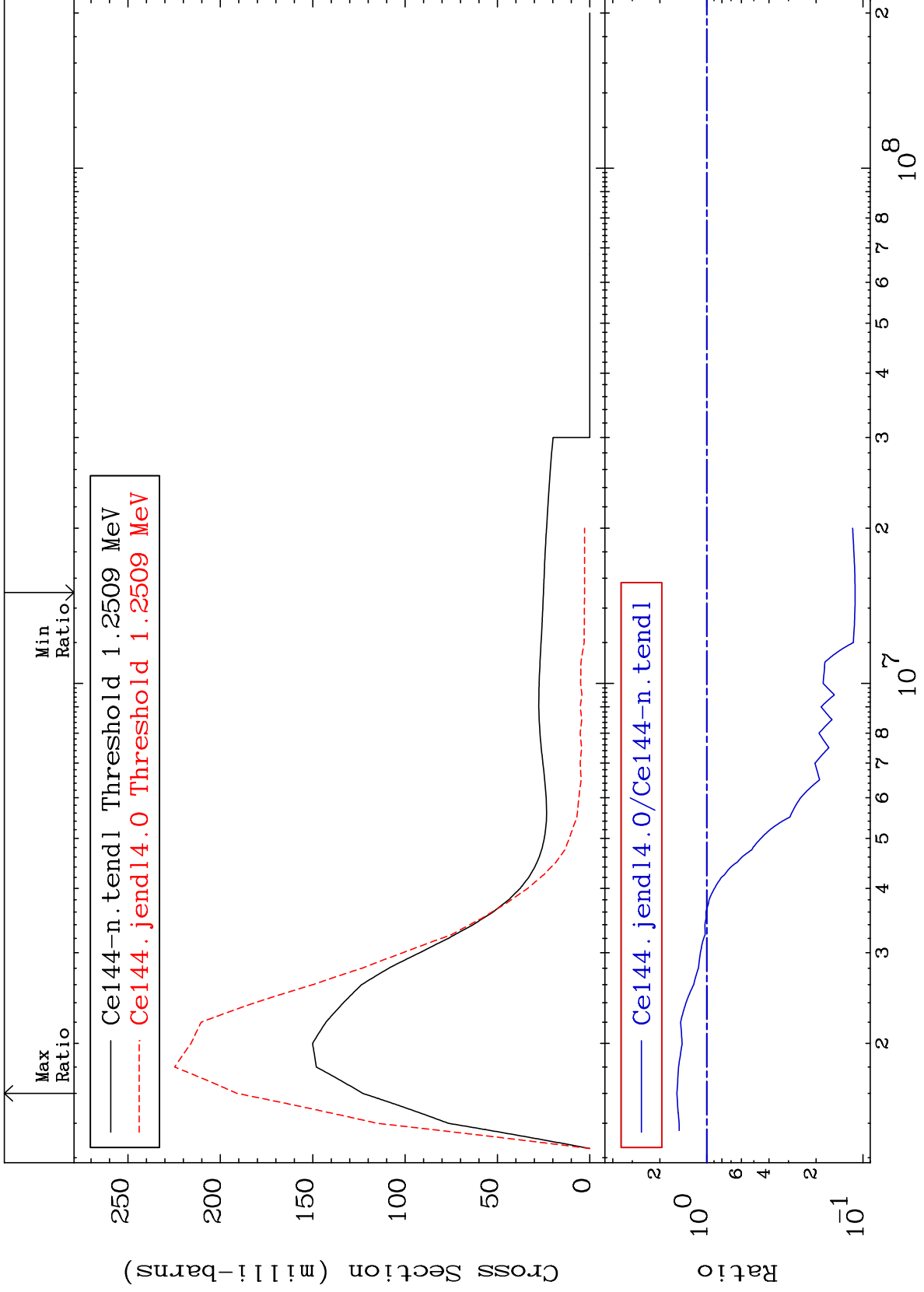


58-Ce-144

MAT 5849

1.242 MeV (n,n') Level
Cross Section

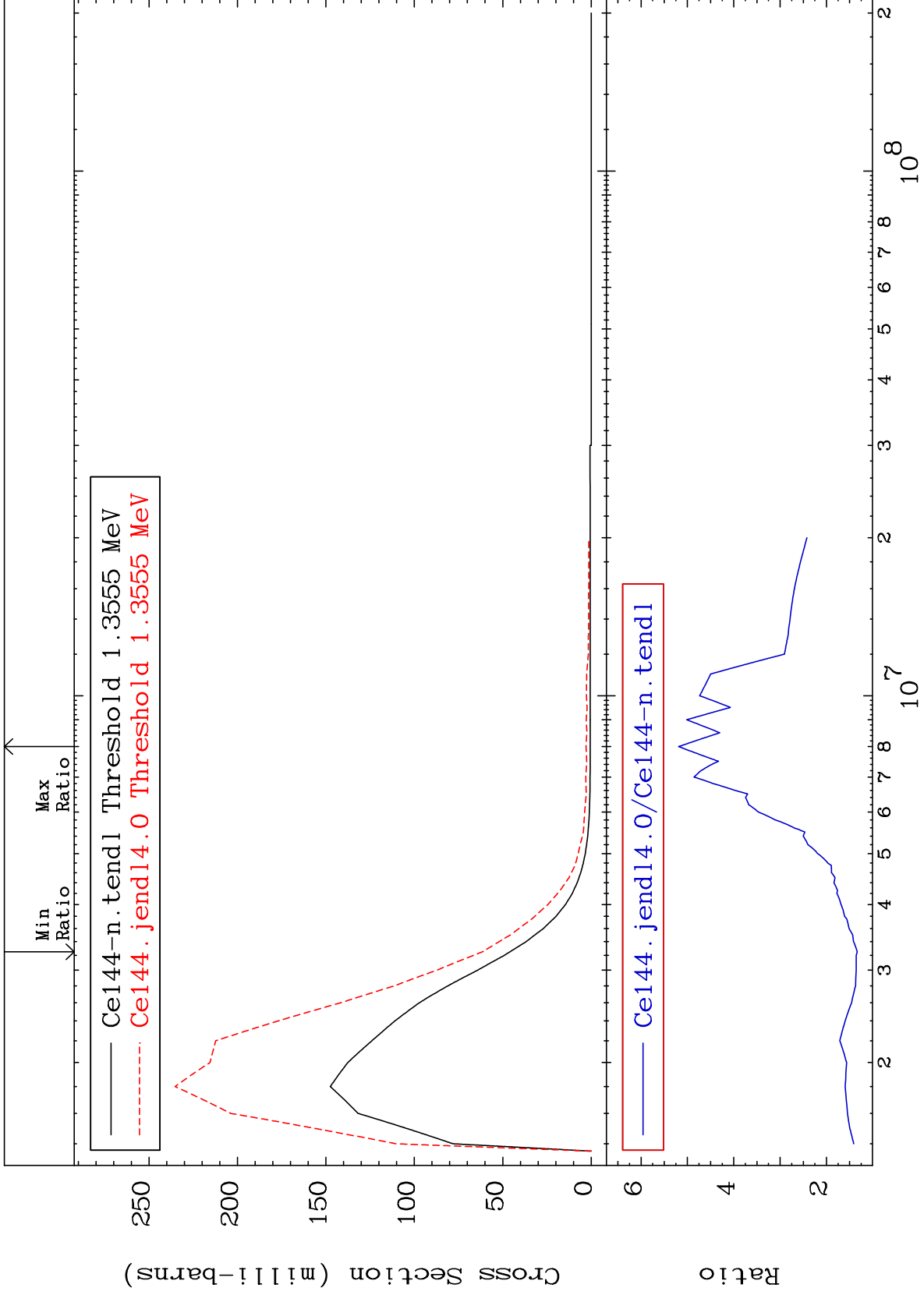
58-Ce-144
-88.76 To 55.40 %



MAT 5849

1.346 MeV (n,n') Level
Cross Section

58-Ce-144
33.58 To 418.9 %



12

Incident Energy (eV)

58-Ce-144

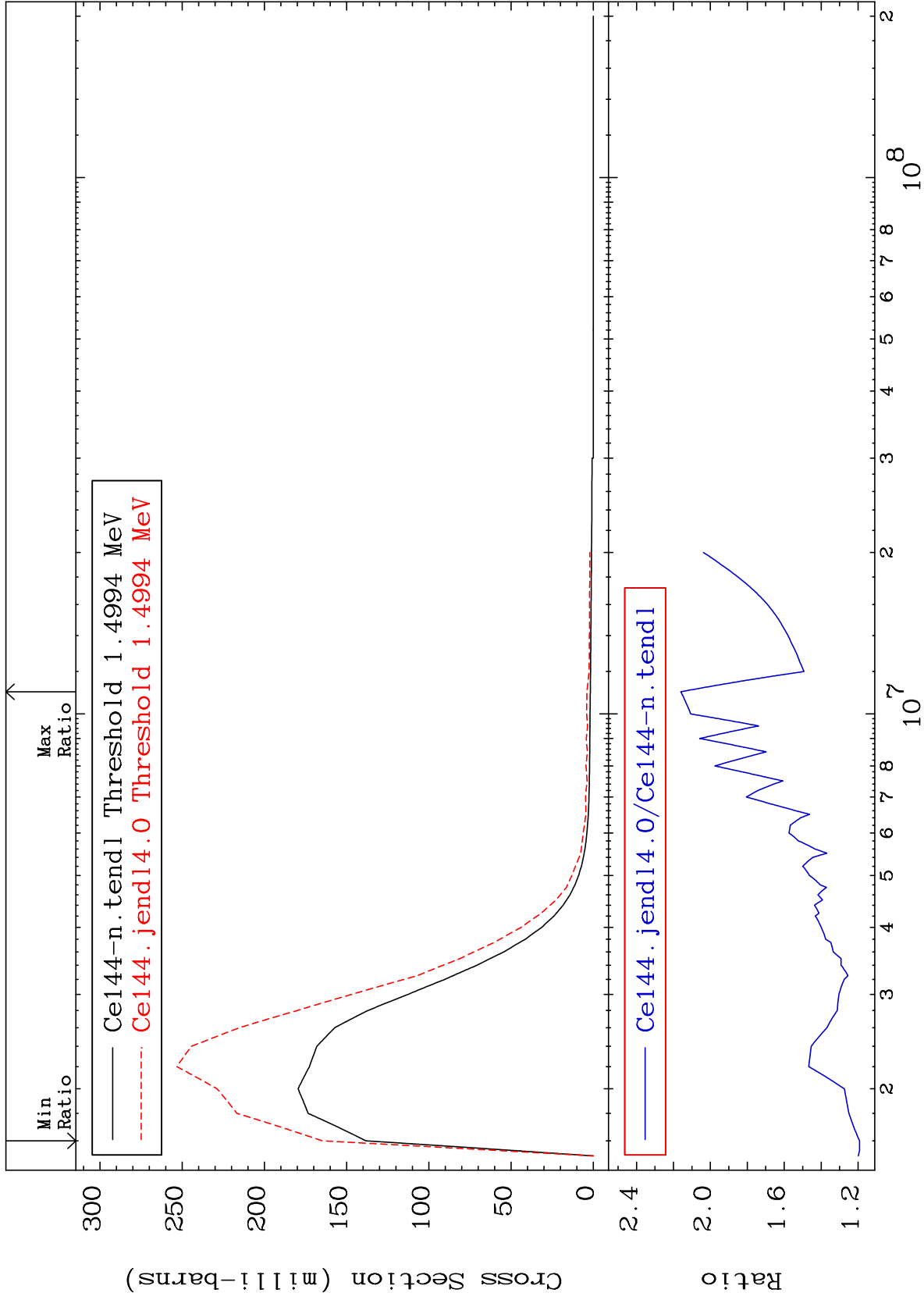
MAT 5849

1.489 MeV (n,n') Level

58-Ce-144

19.21 To 116.0 %

Cross Section



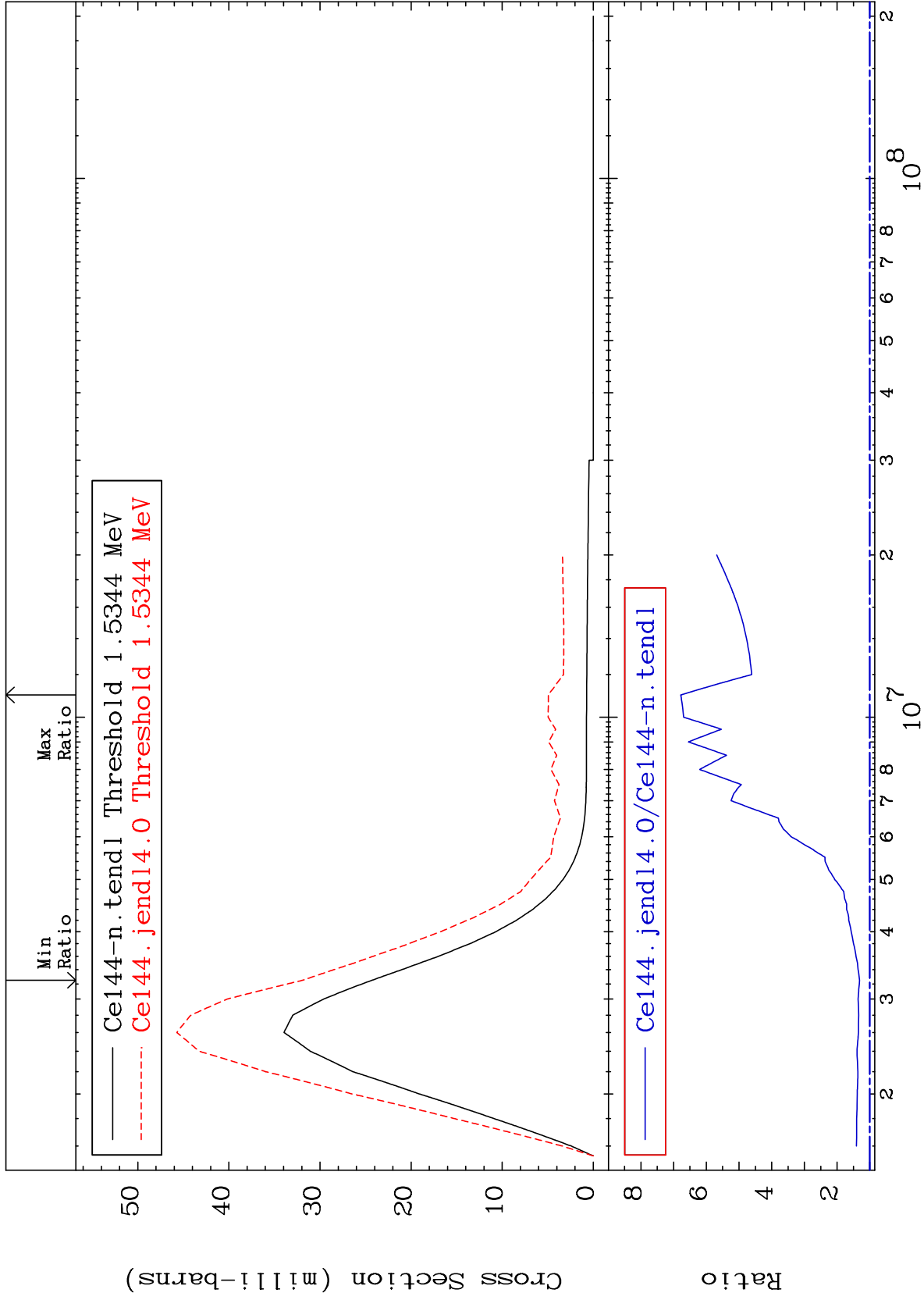
MAT 5849

1.524 MeV (n,n') Level

58-Ce-144

31.38 To 578.1 %

Cross Section



14

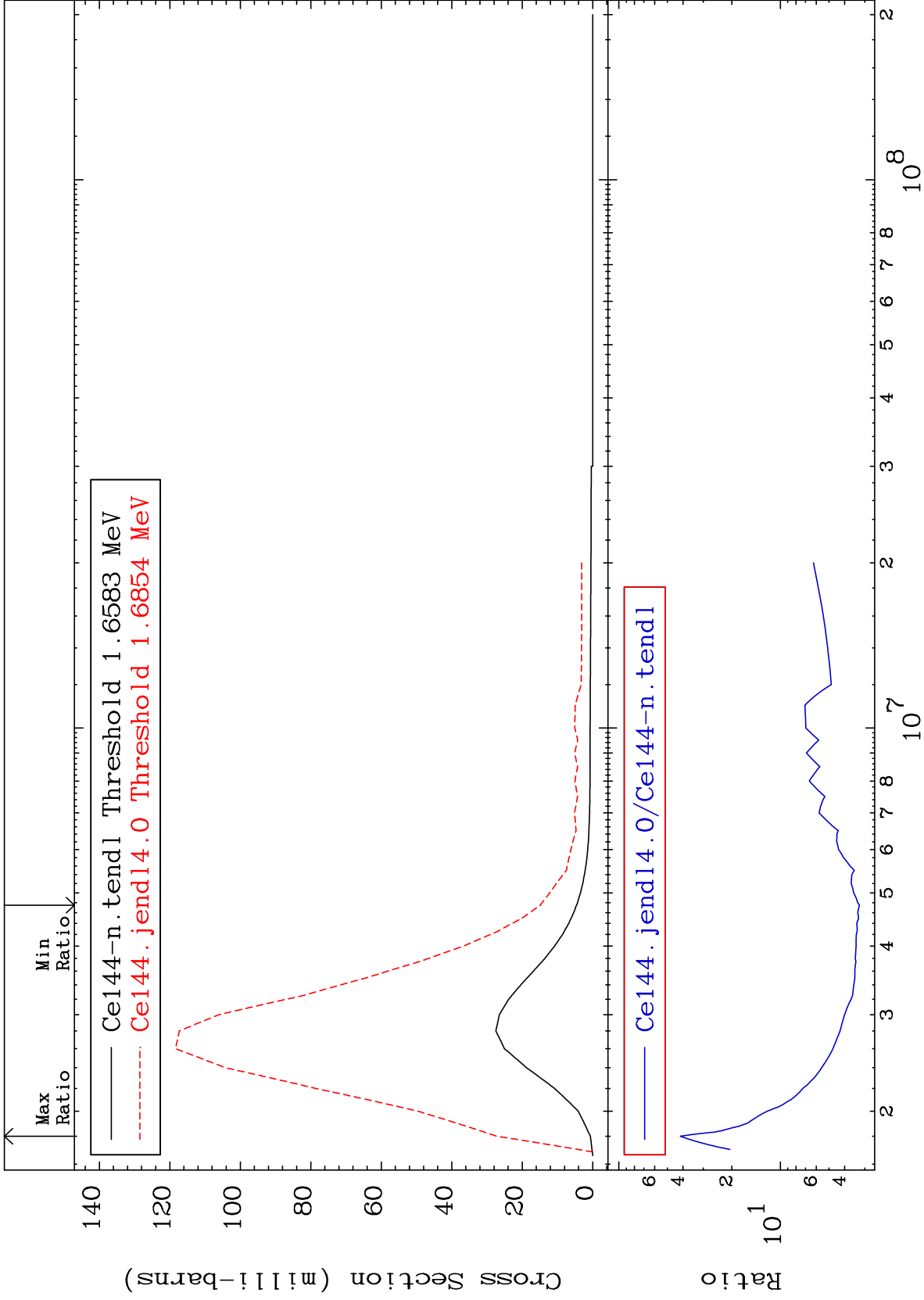
Incident Energy (eV)

58-Ce-144

MAT 5849

1.647 MeV (n,n') Level
Cross Section

58-Ce-144
223.9 To 4060. %



15

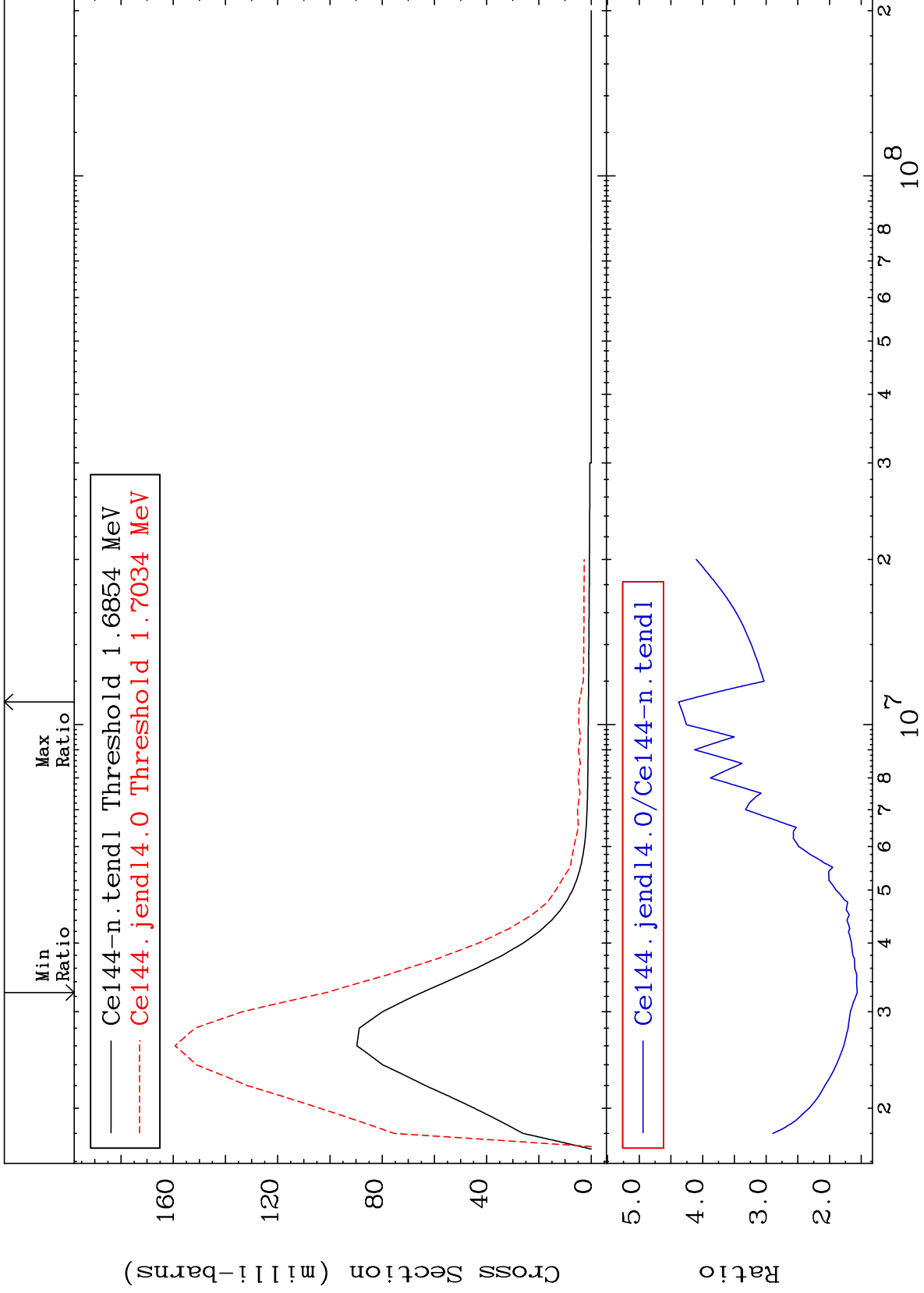
Incident Energy (eV)

58-Ce-144

MAT 5849

1.674 MeV (n,n') Level
Cross Section

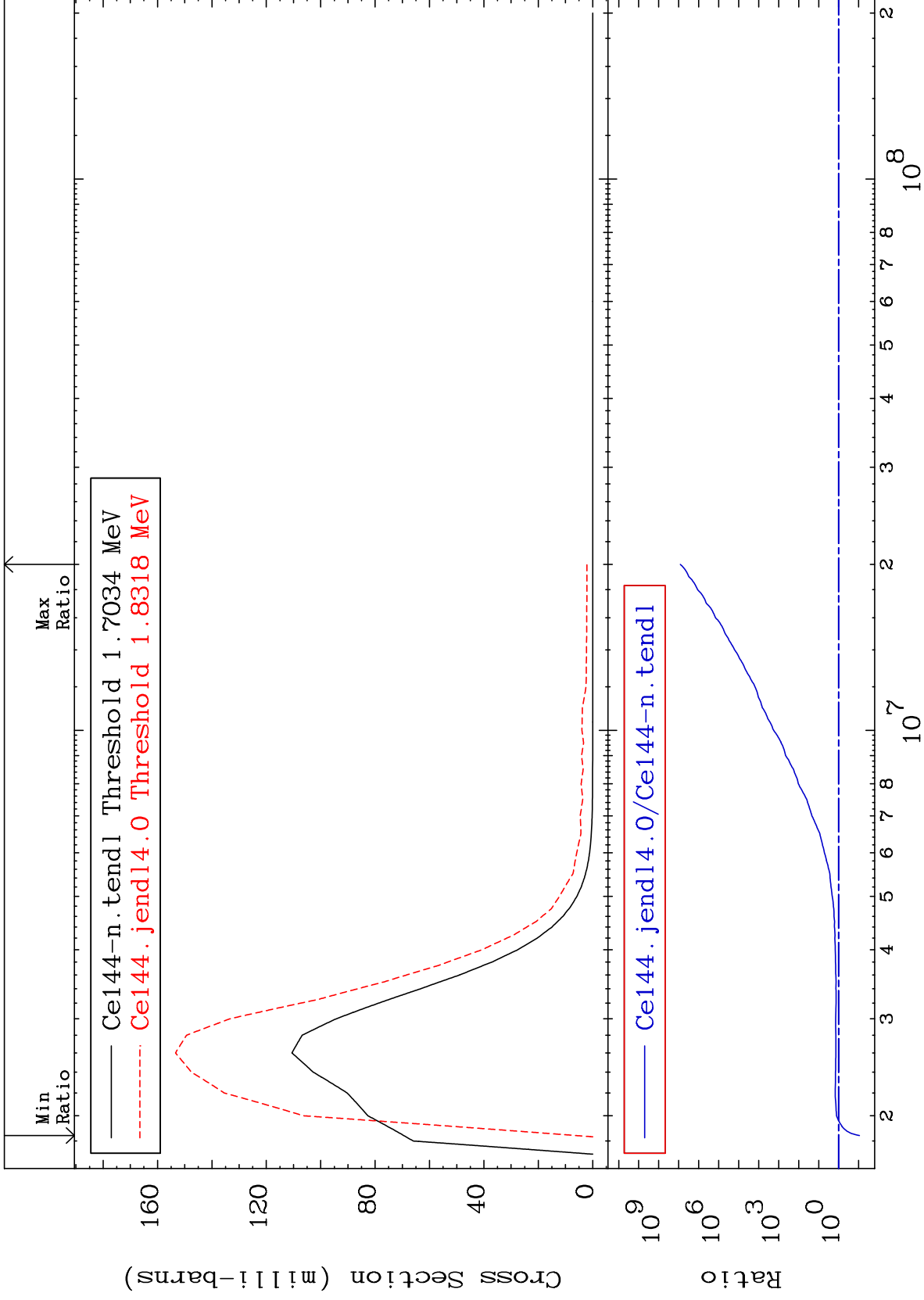
58-Ce-144
56.38 To 337.9 %



MAT 5849

1.692 MeV (n,n') Level
Cross Section

58-Ce-144
-90.84 To 9999. %



17

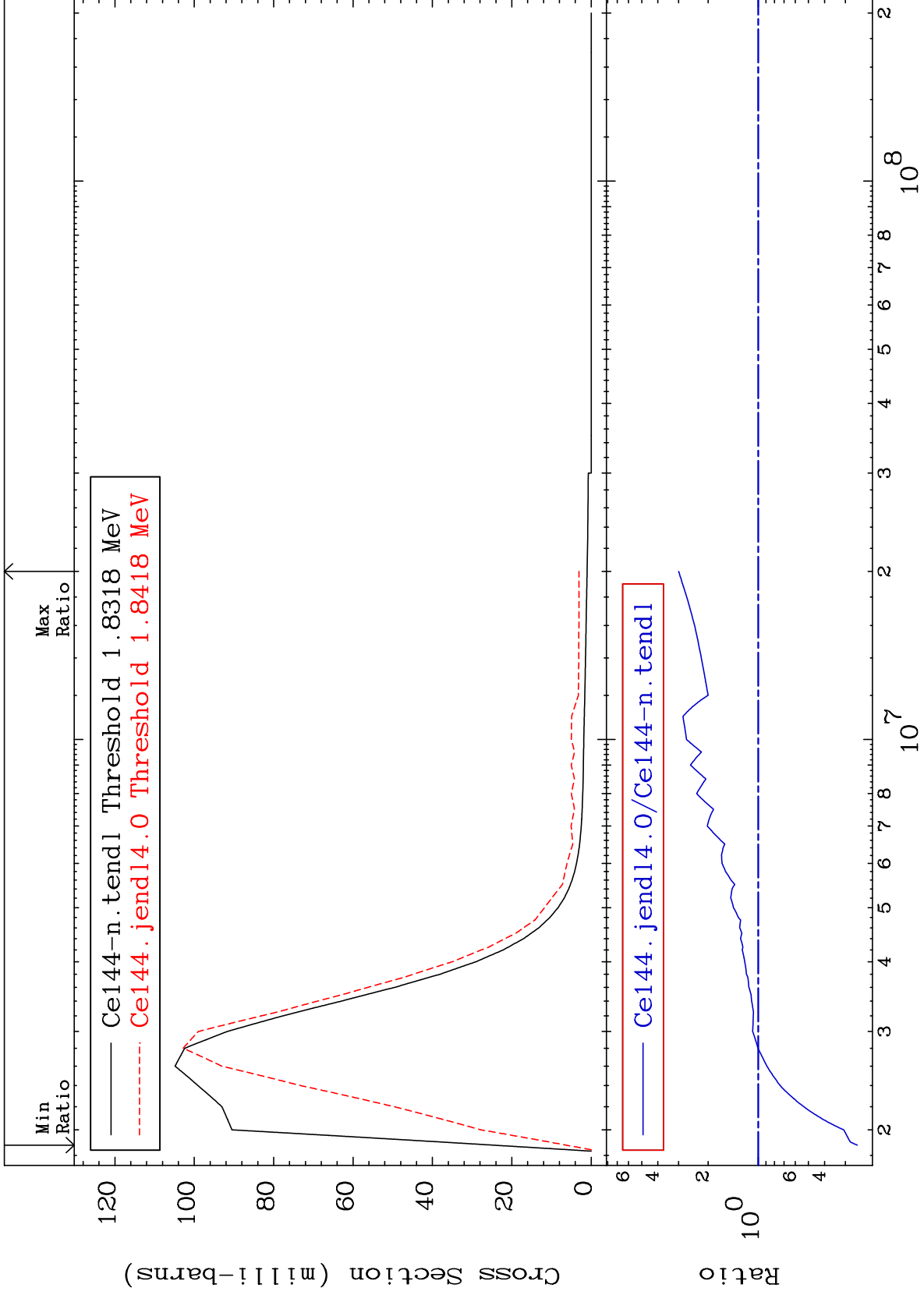
Incident Energy (eV)

58-Ce-144

MAT 5849

1.819 MeV (n,n') Level
Cross Section

58-Ce-144
-74.52 To 200.2 %



18

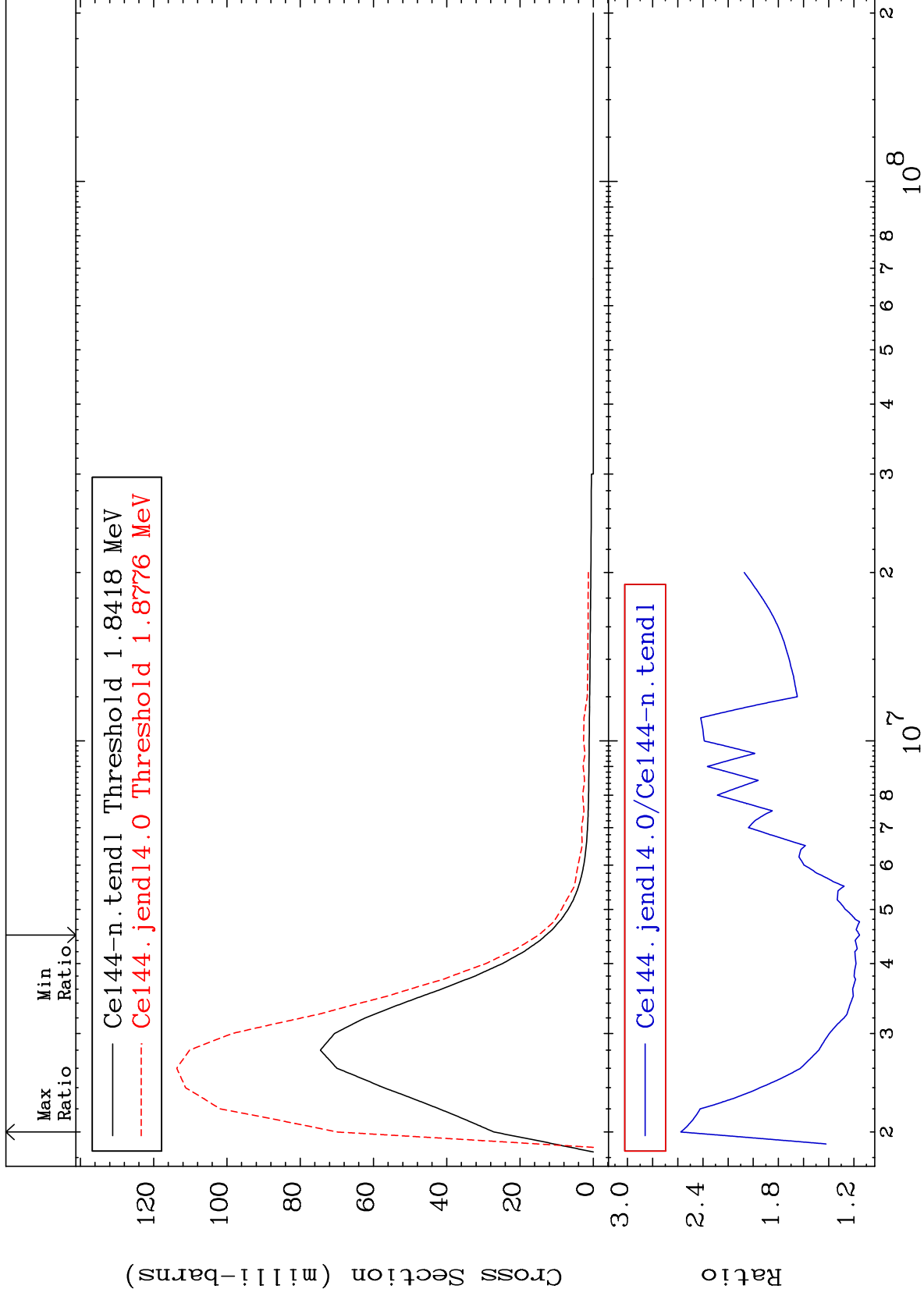
Incident Energy (eV)

58-Ce-144

MAT 5849

1.829 MeV (n,n') Level
Cross Section

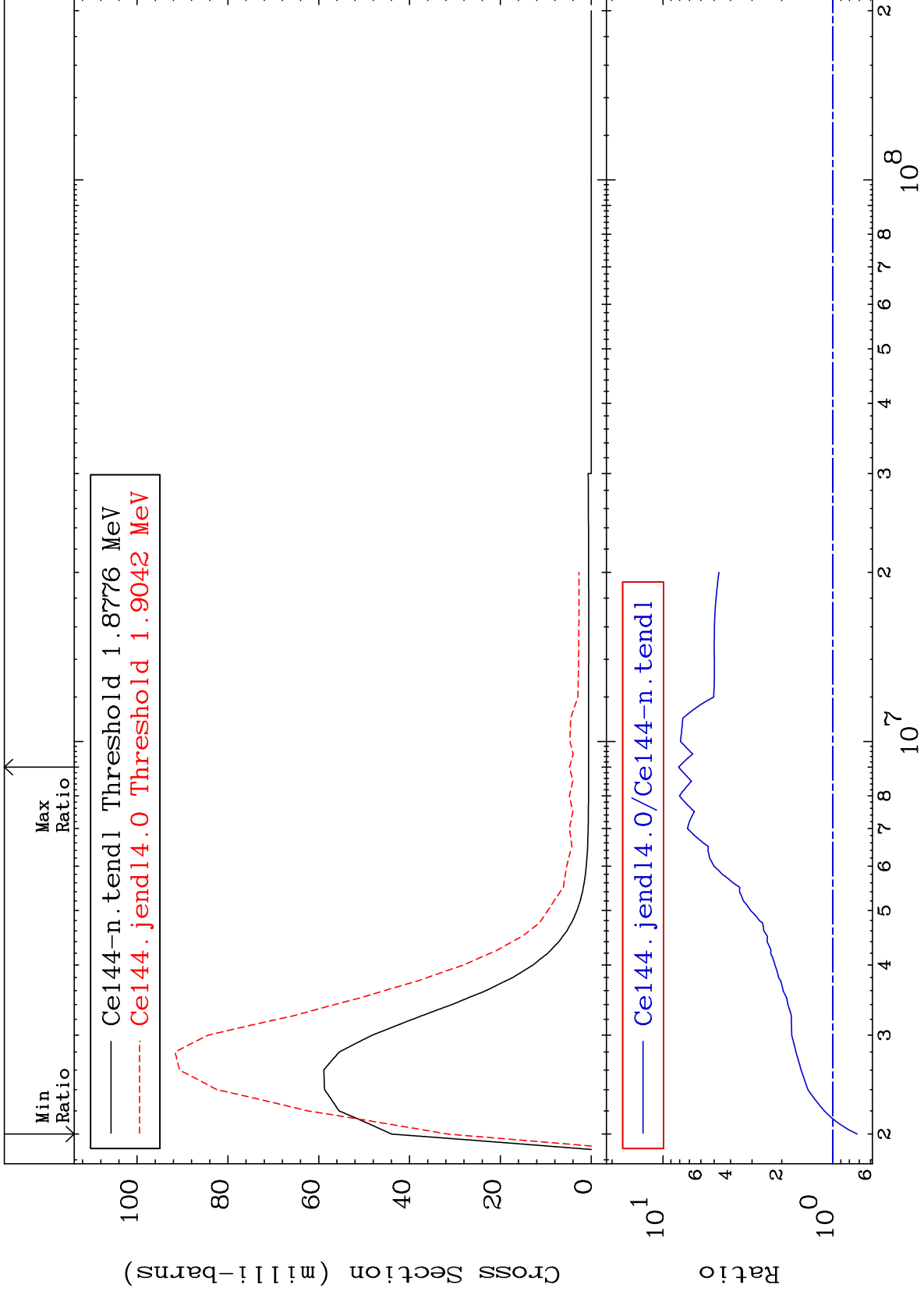
58-Ce-144
15.45 To 157.6 %



MAT 5849

1.864 MeV (n,n') Level
Cross Section

58-Ce-144
-28.07 To 710.0 %



20

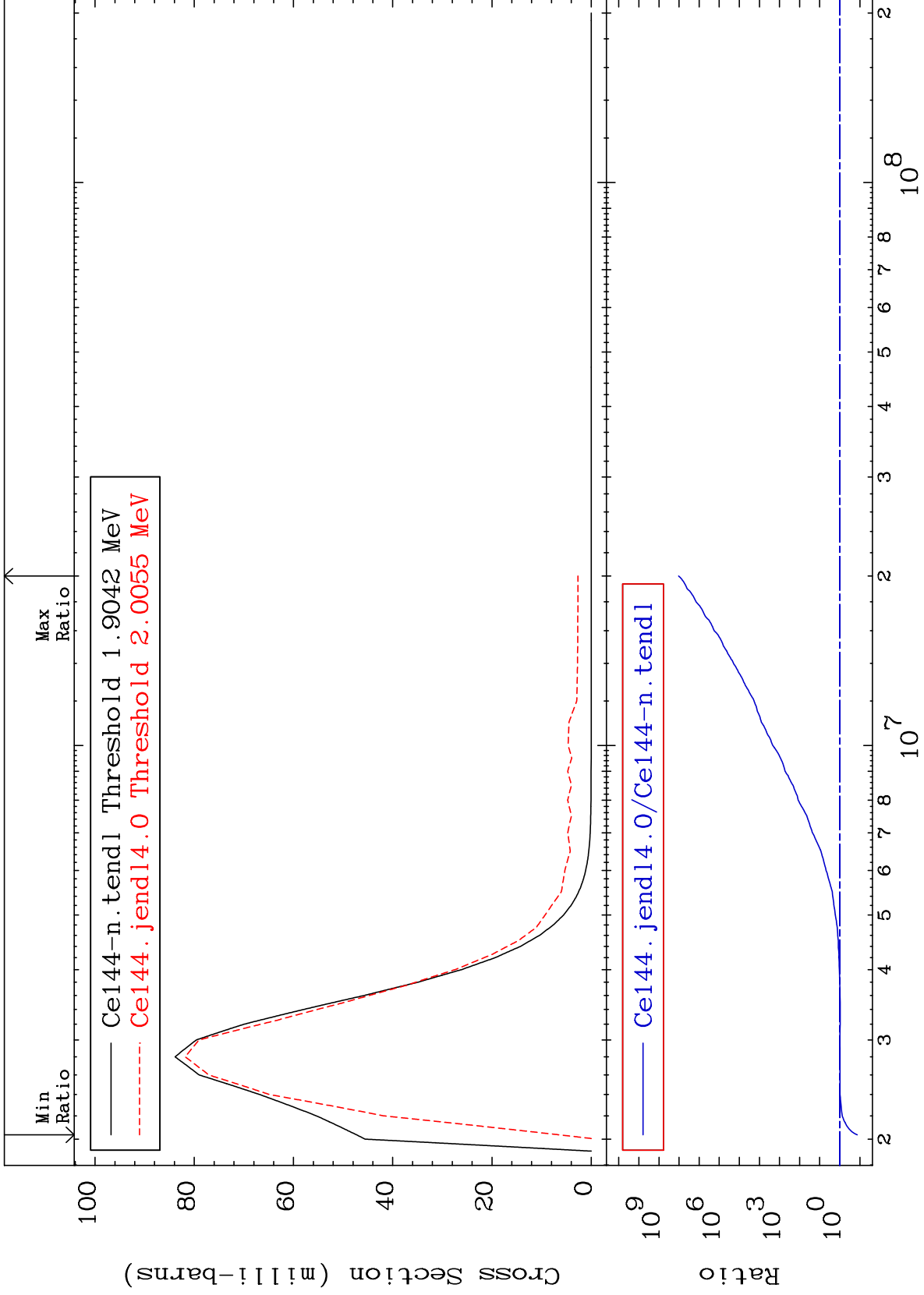
Incident Energy (eV)

58-Ce-144

MAT 5849

1.891 MeV (n,n') Level
Cross Section

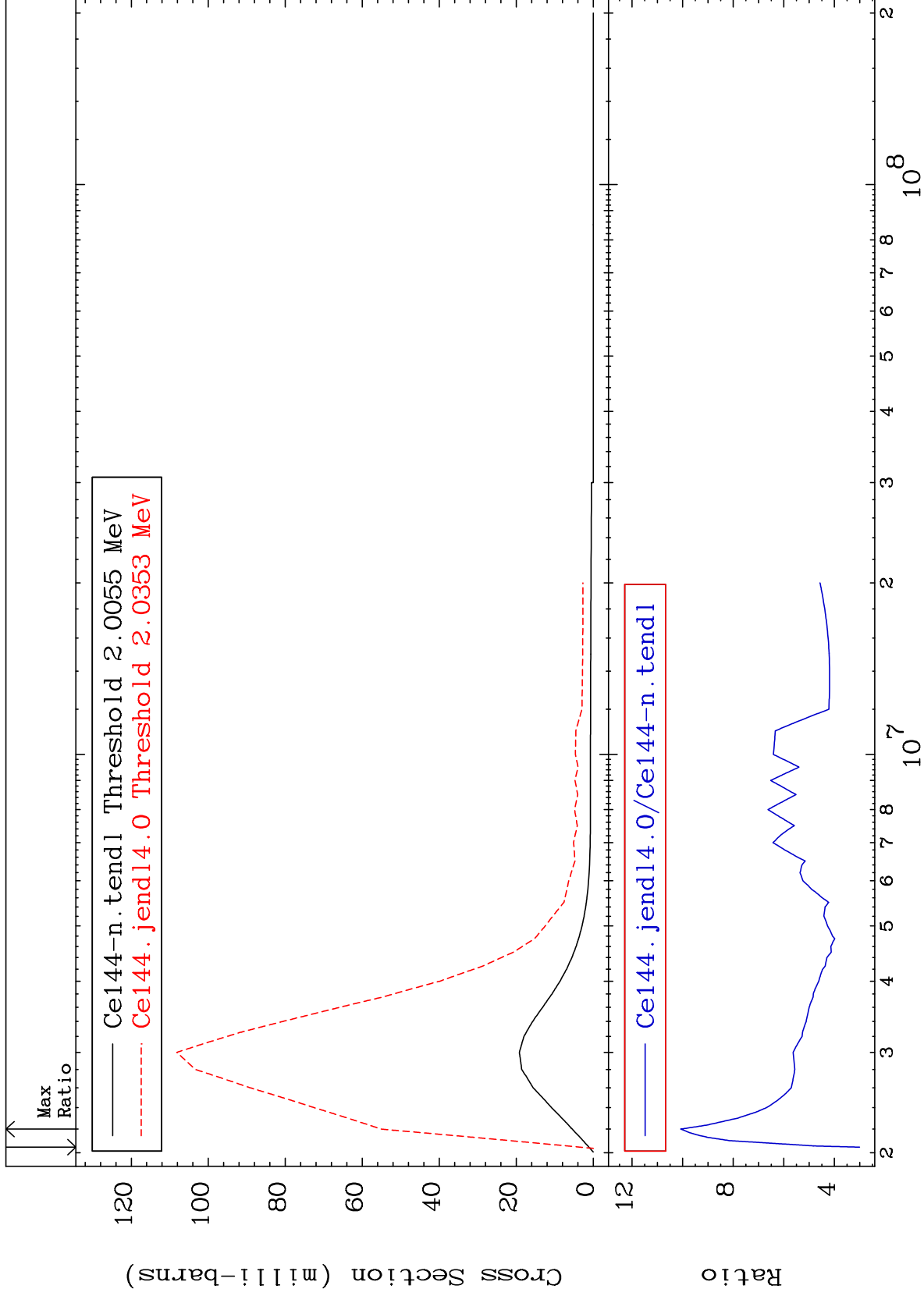
58-Ce-144
-86.47 To 9999. %



MAT 5849

1.992 MeV (n,n') Level
Cross Section

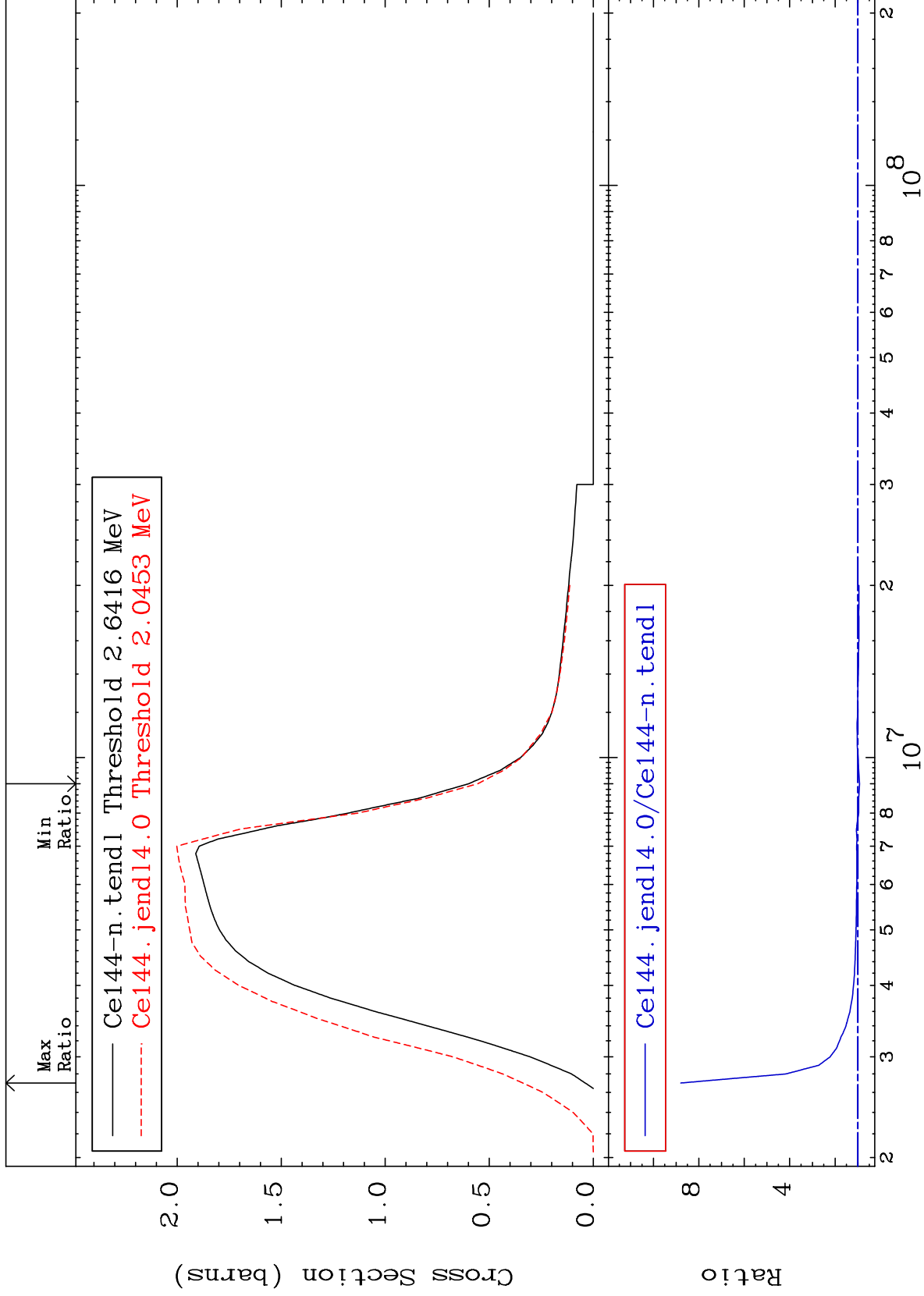
58-Ce-144
200.8 To 907.5 %



MAT 5849

(n, n') Continuum
Cross Section

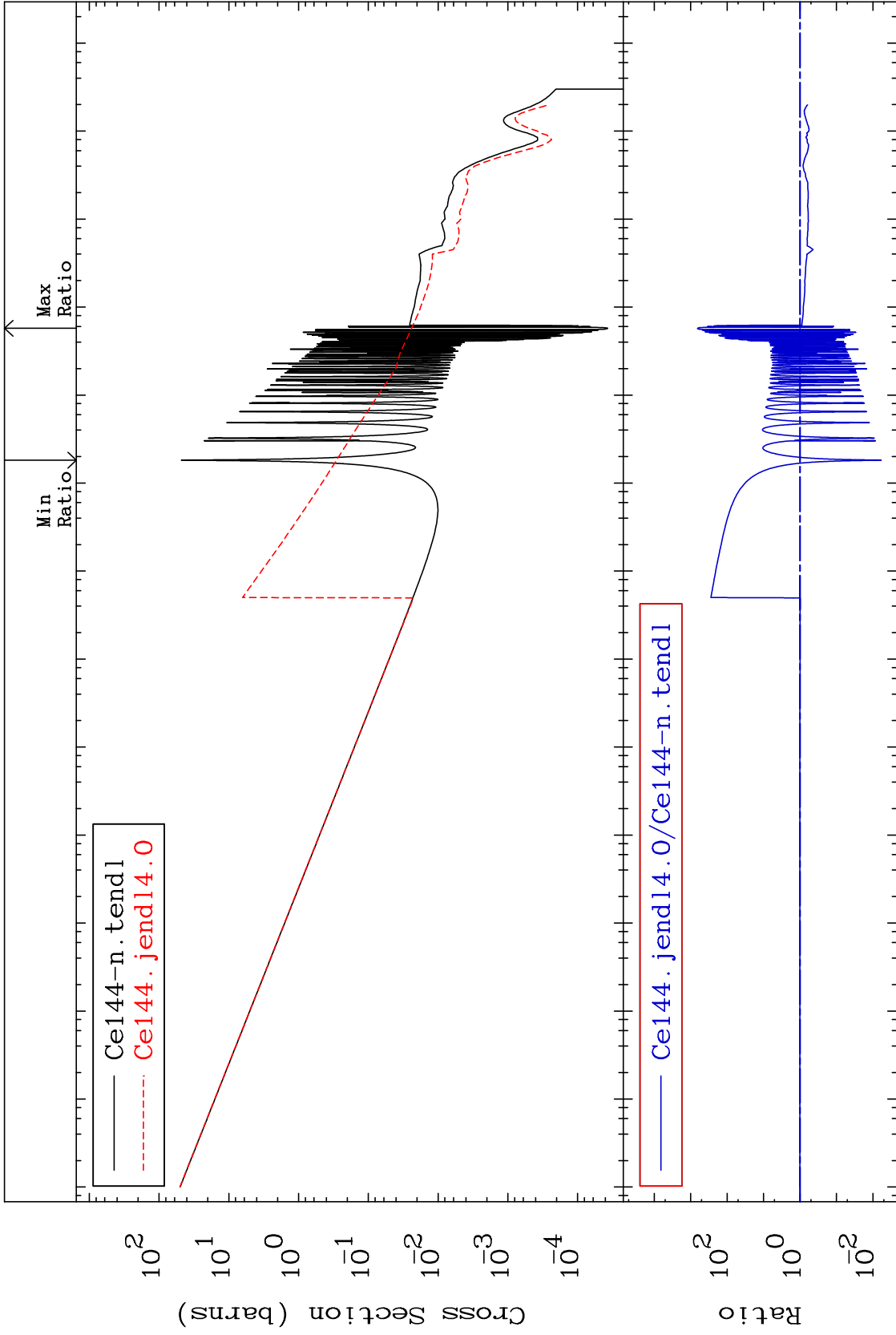
58-Ce-144
-7.398 To 779.4 %



MAT 5849

(n, γ)
Cross Section

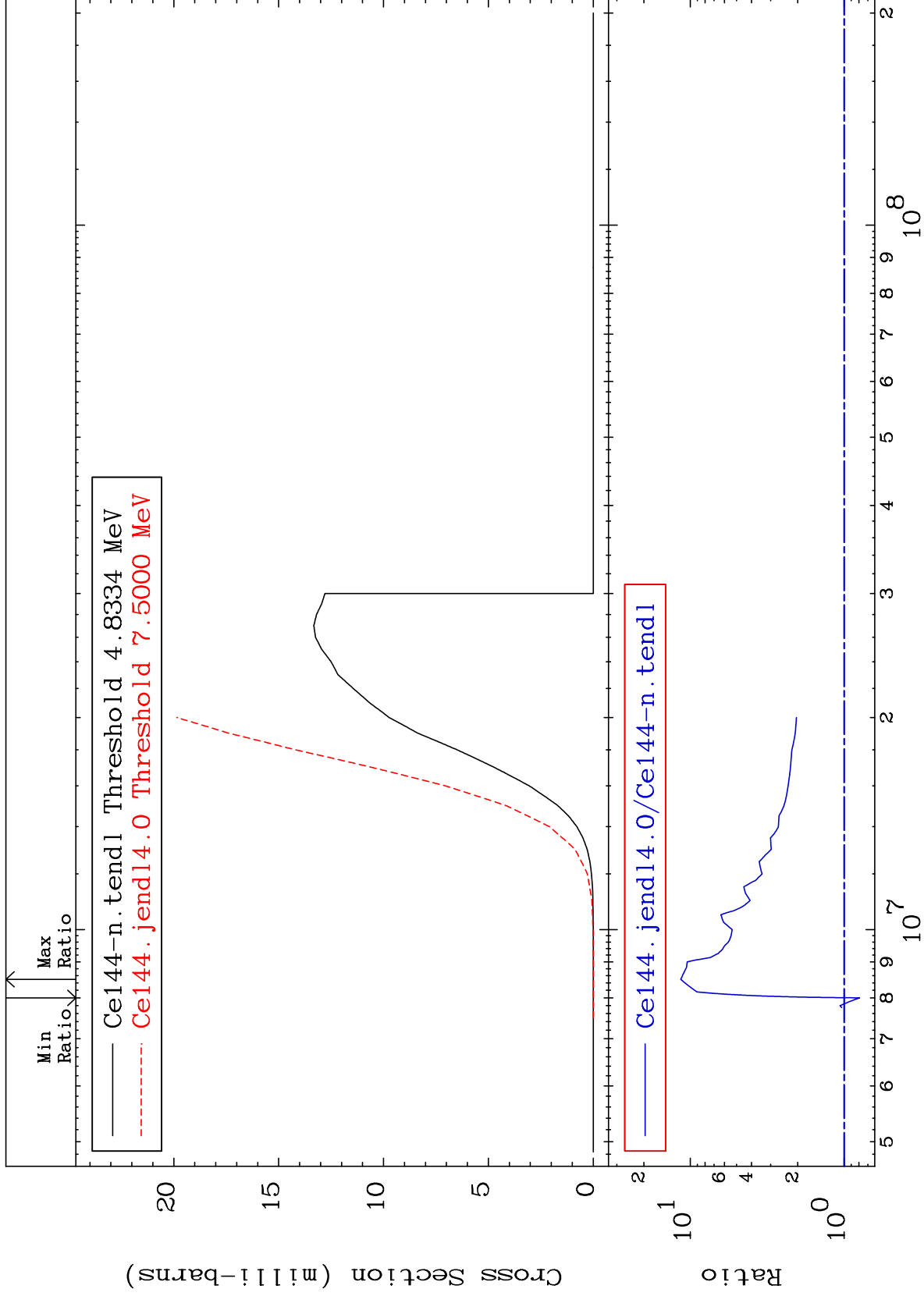
58-Ce-144
-99.40 To 9999. %



MAT 5849

(n,p)
Cross Section

58-Ce-144
-20.64 To 1052. %



25

Incident Energy (eV)

58-Ce-144

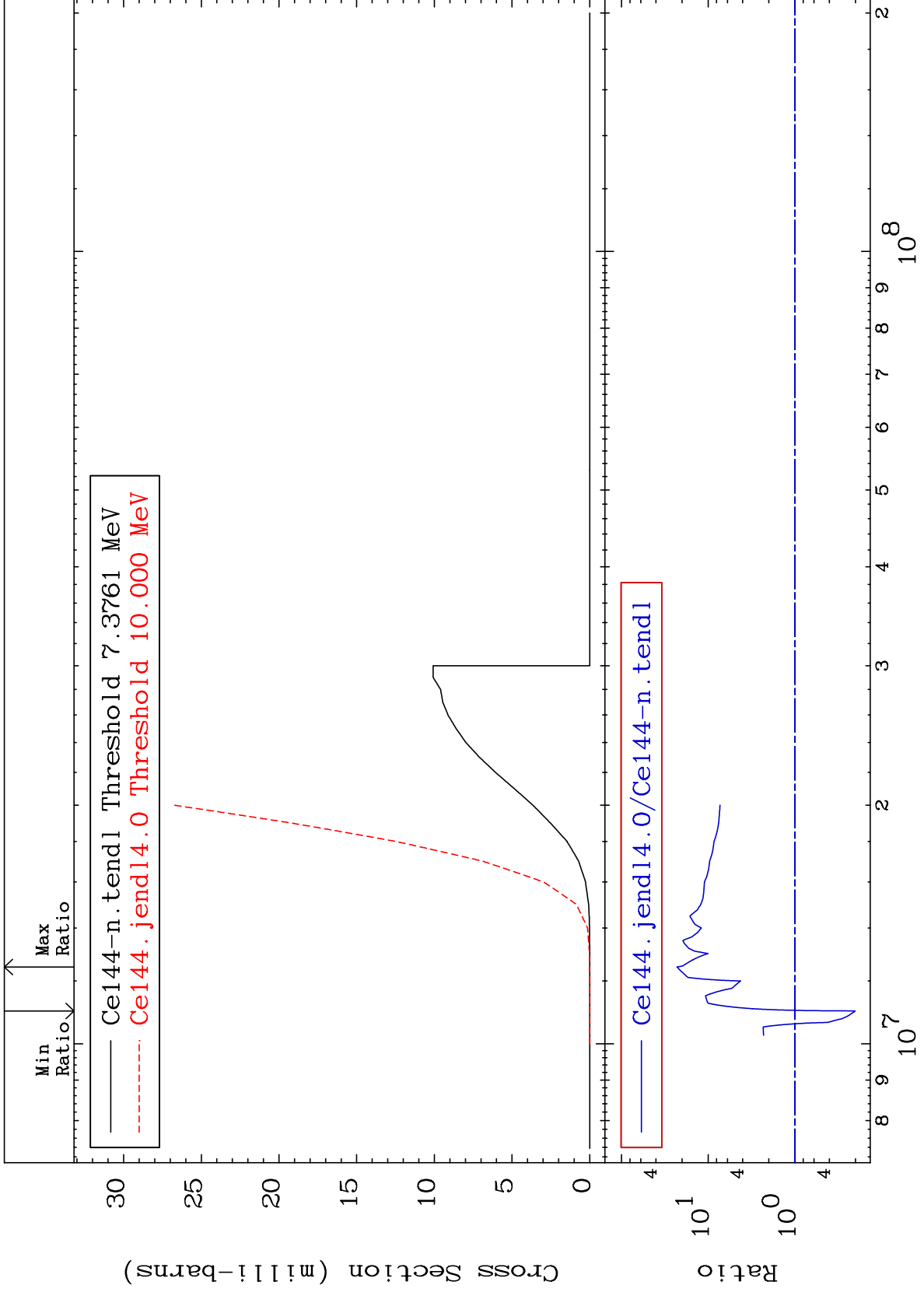
MAT 5849

(n, d)

58-Ce-144

Cross Section

-79.80 To 2195. %



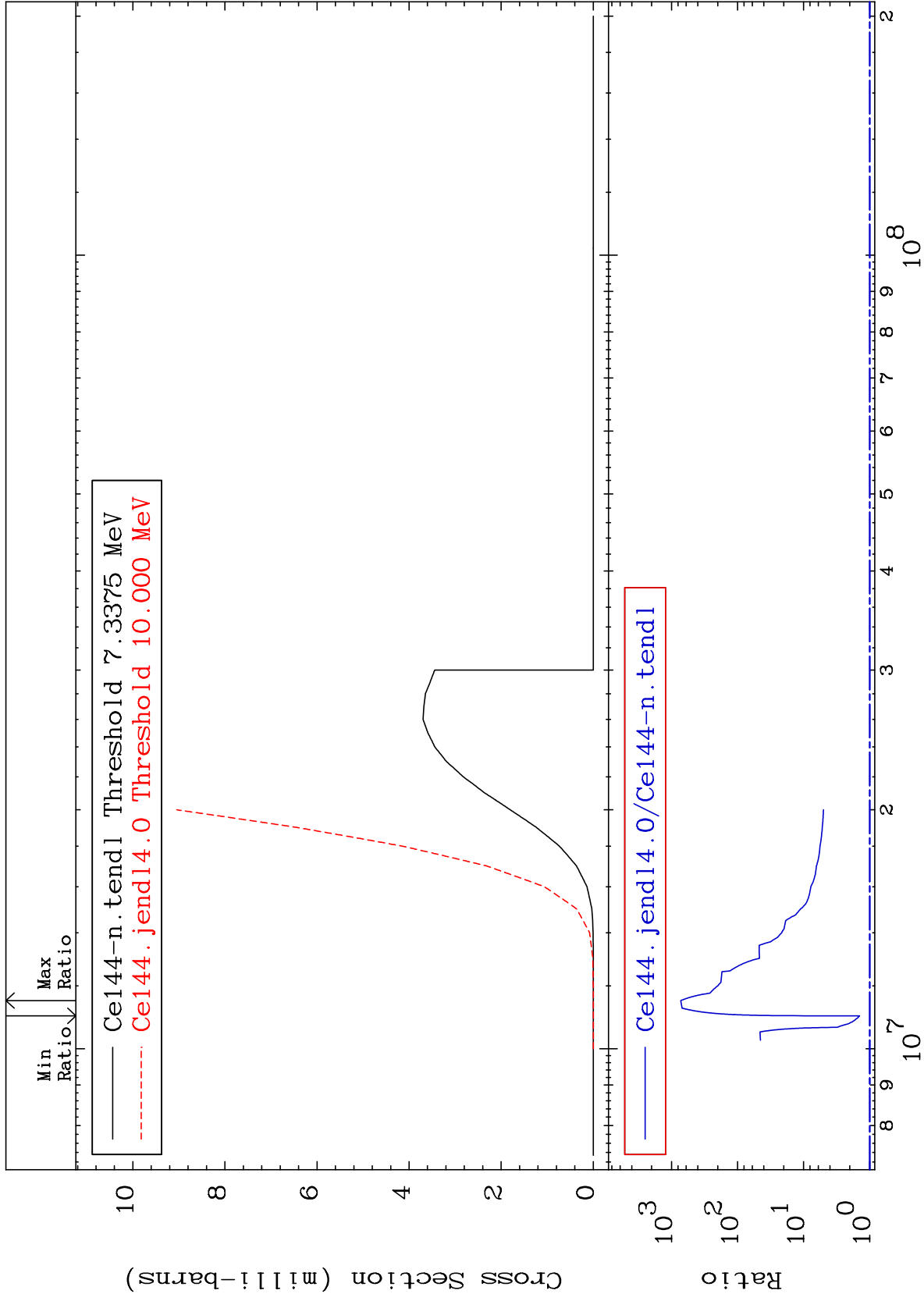
MAT 5849

(n, t)

58-Ce-144

Cross Section

42.39 To 9999. %



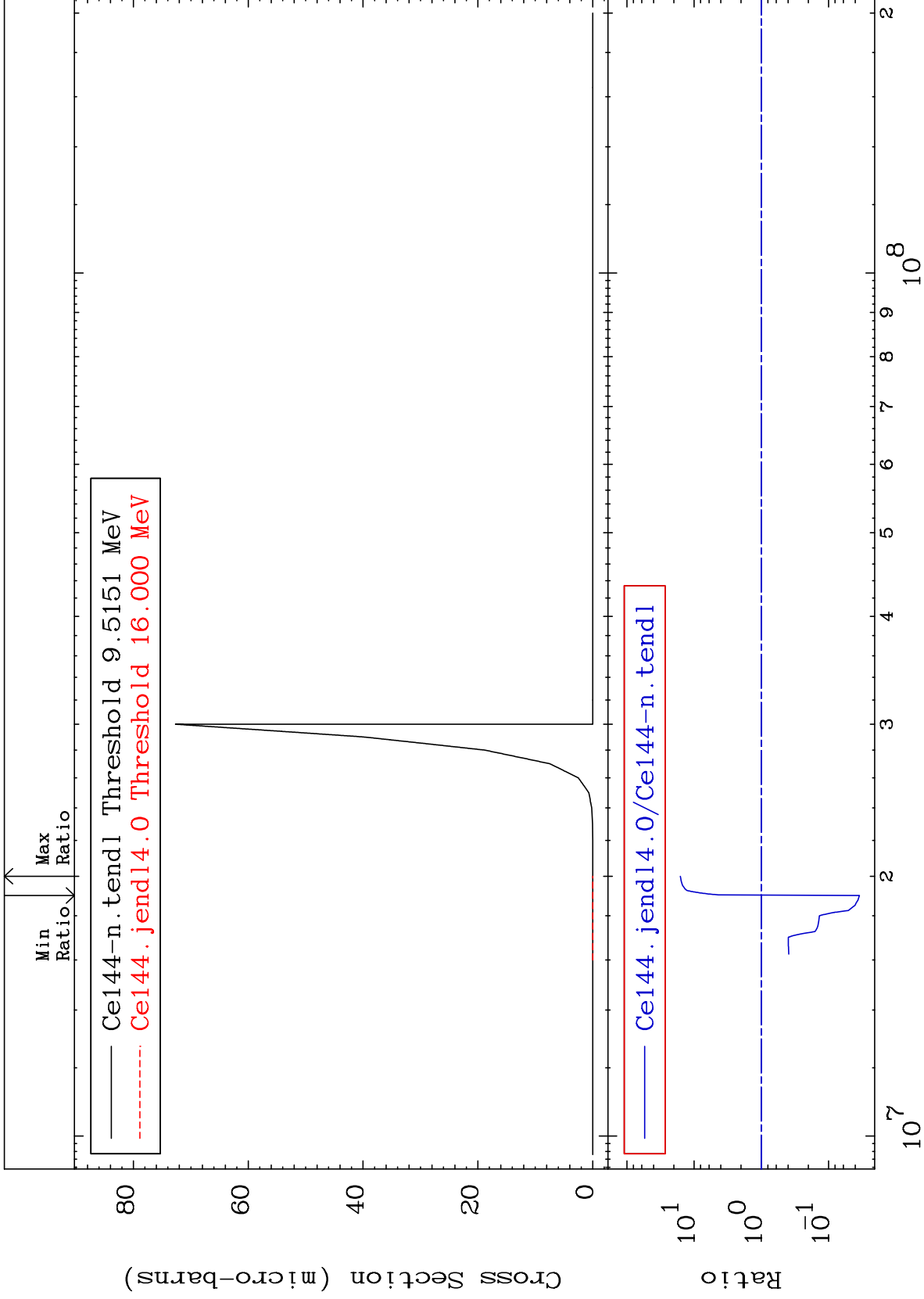
MAT 5849

(n, He-3)

58-Ce-144

Cross Section

-96.54 To 1502. %



28

Incident Energy (eV)

58-Ce-144

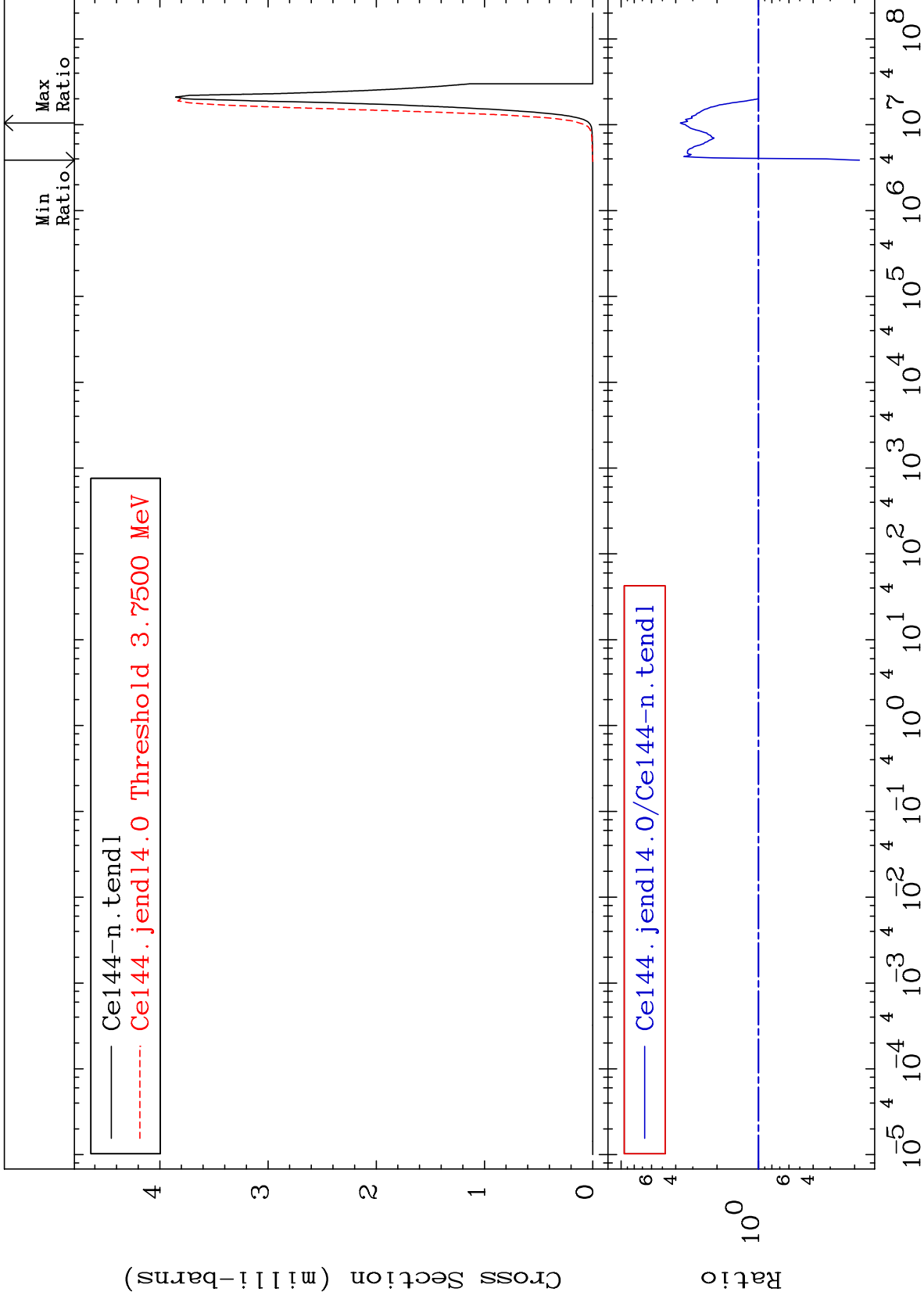
MAT 5849

(n, α)

58-Ce-144

Cross Section

-81.57 To 270.0 %



29

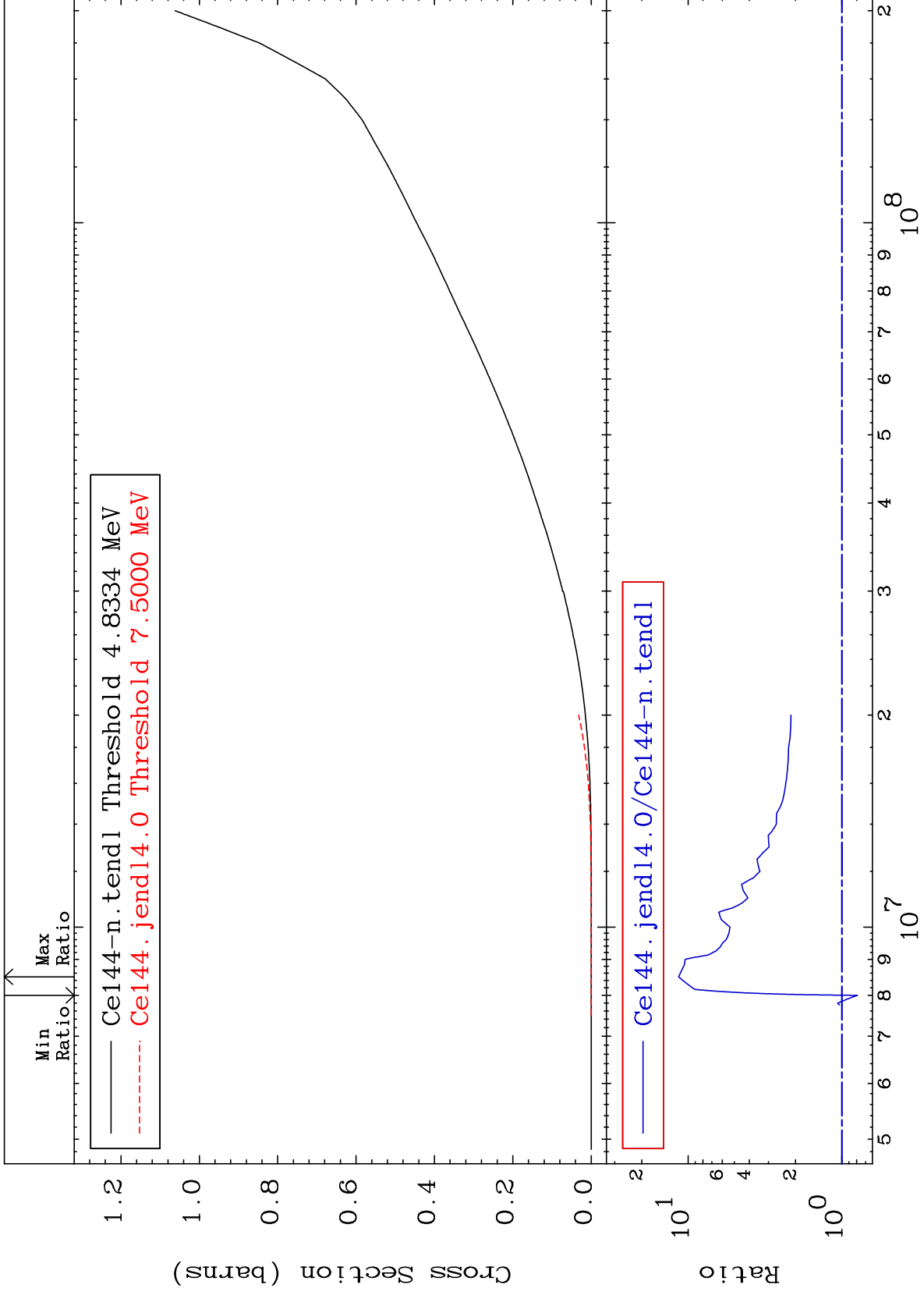
Incident Energy (eV)

58-Ce-144

MAT 5849

Hydrogen Production
Cross Section

58-Ce-144
-20.64 To 1052. %



30

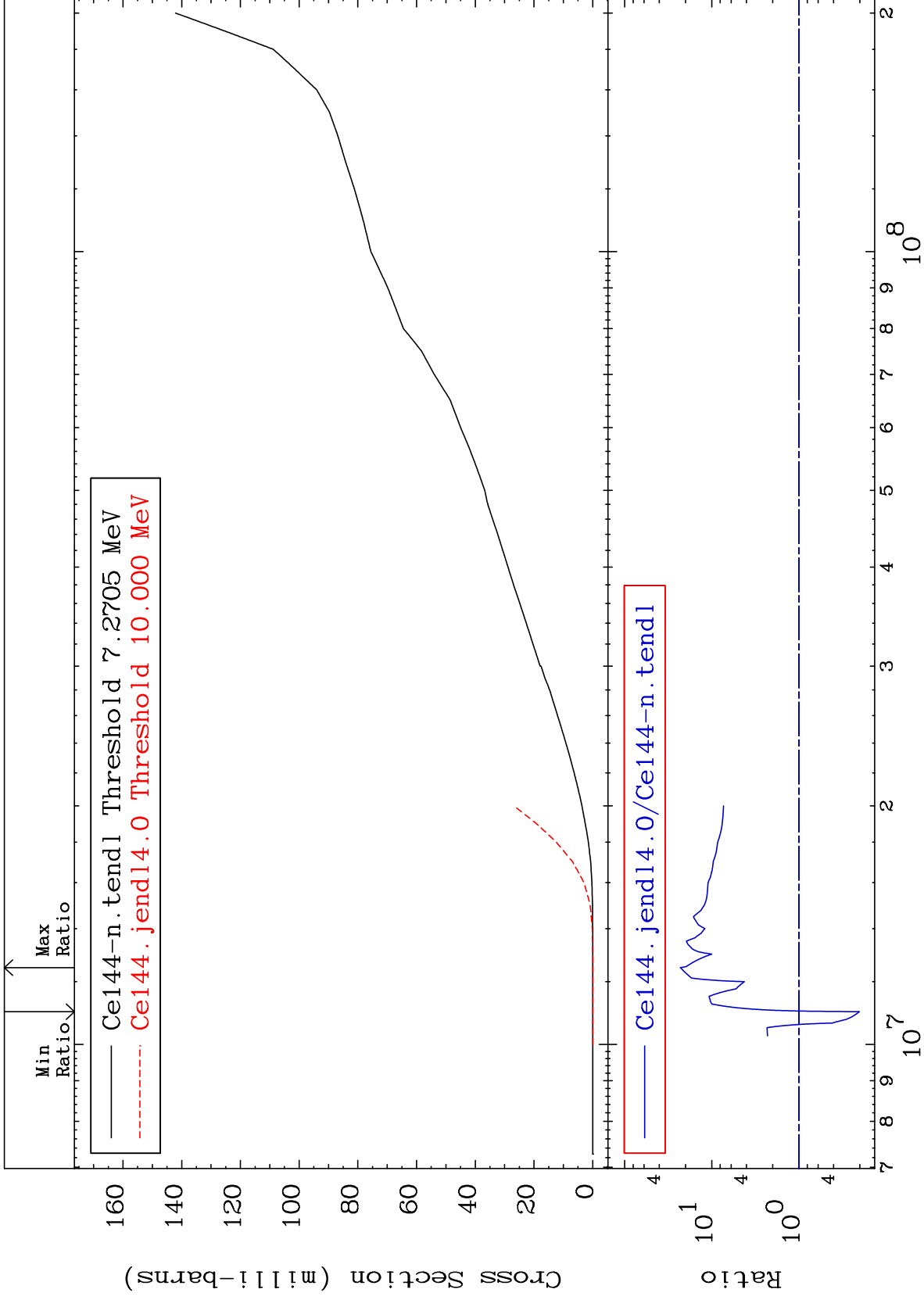
Incident Energy (eV)

58-Ce-144

MAT 5849

Deuterium Production
Cross Section

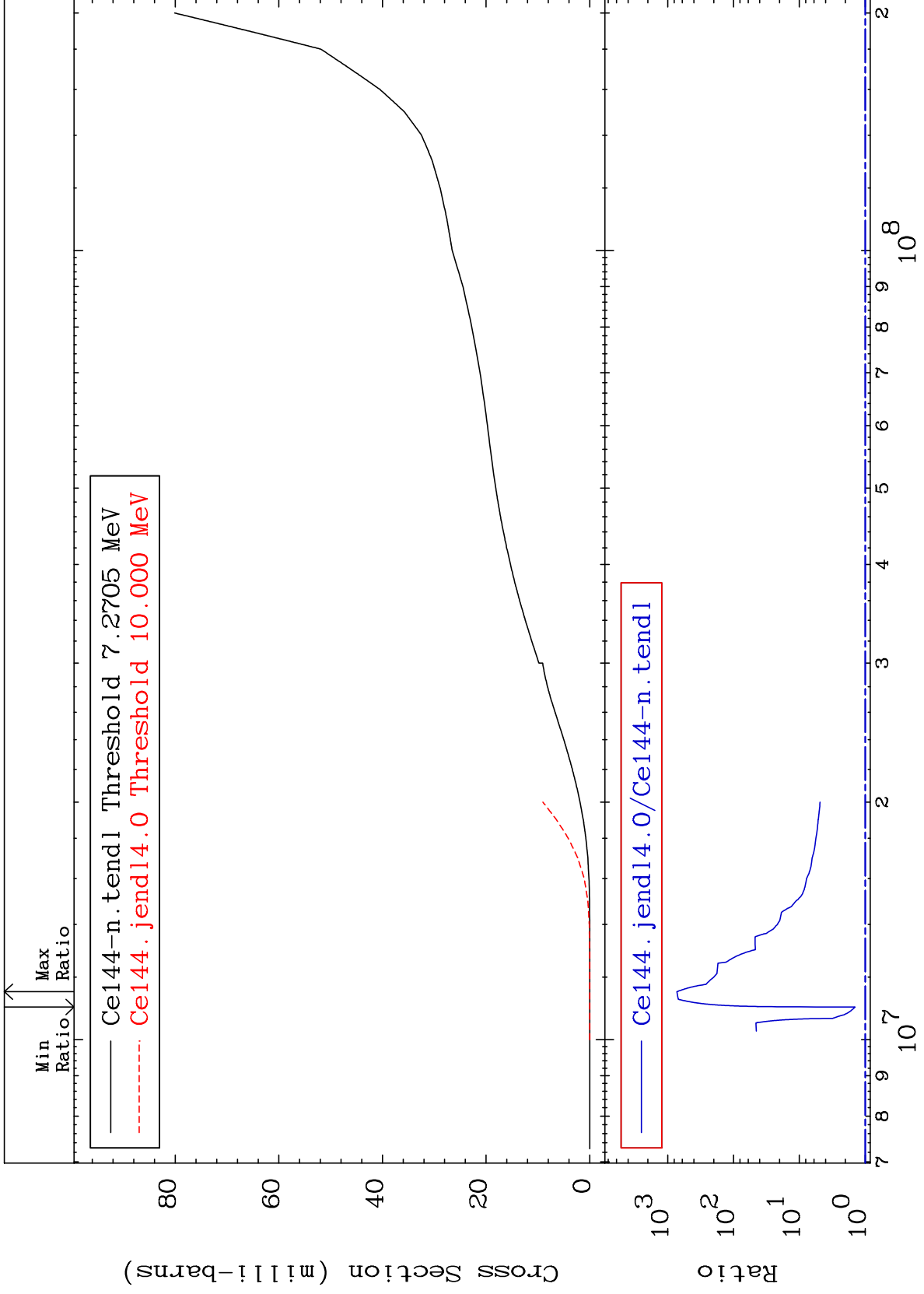
58-Ce-144
-79.80 To 2195. %



MAT 5849

Tritium Production
Cross Section

58-Ce-144
42.39 To 9999. %



32

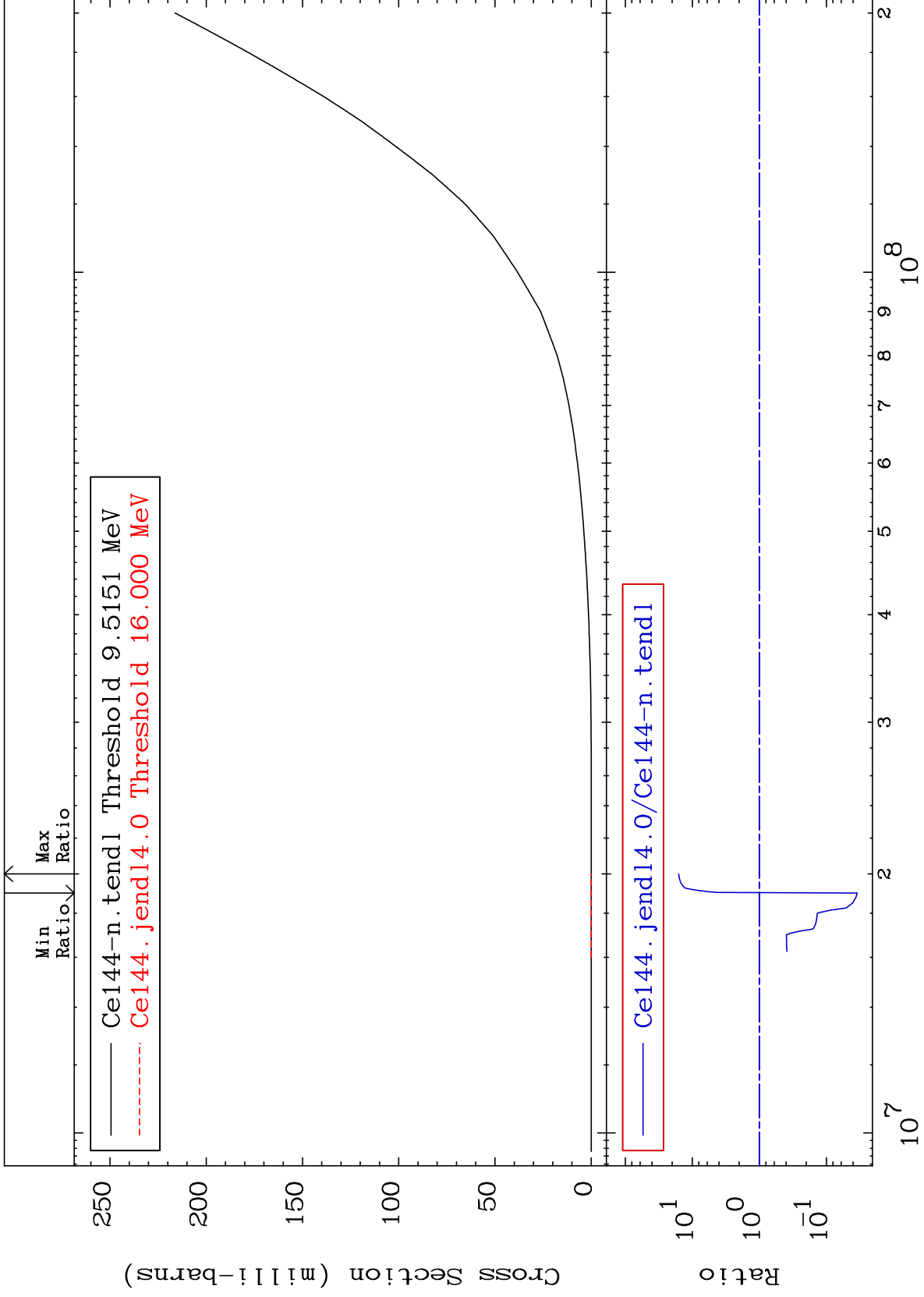
Incident Energy (eV)

58-Ce-144

MAT 5849

He-3 Production
Cross Section

58-Ce-144
-96.54 To 1502. %



33

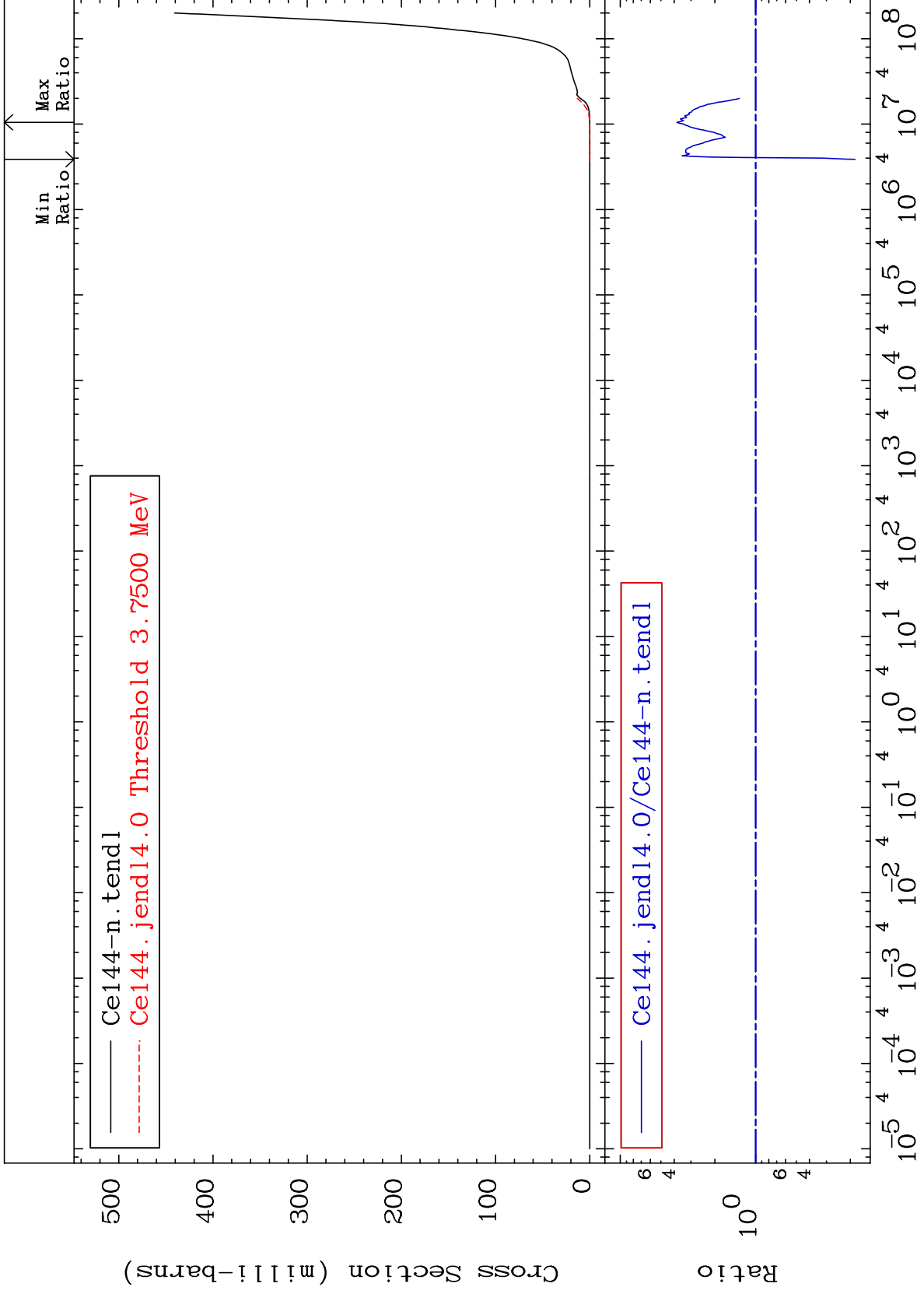
Incident Energy (eV)

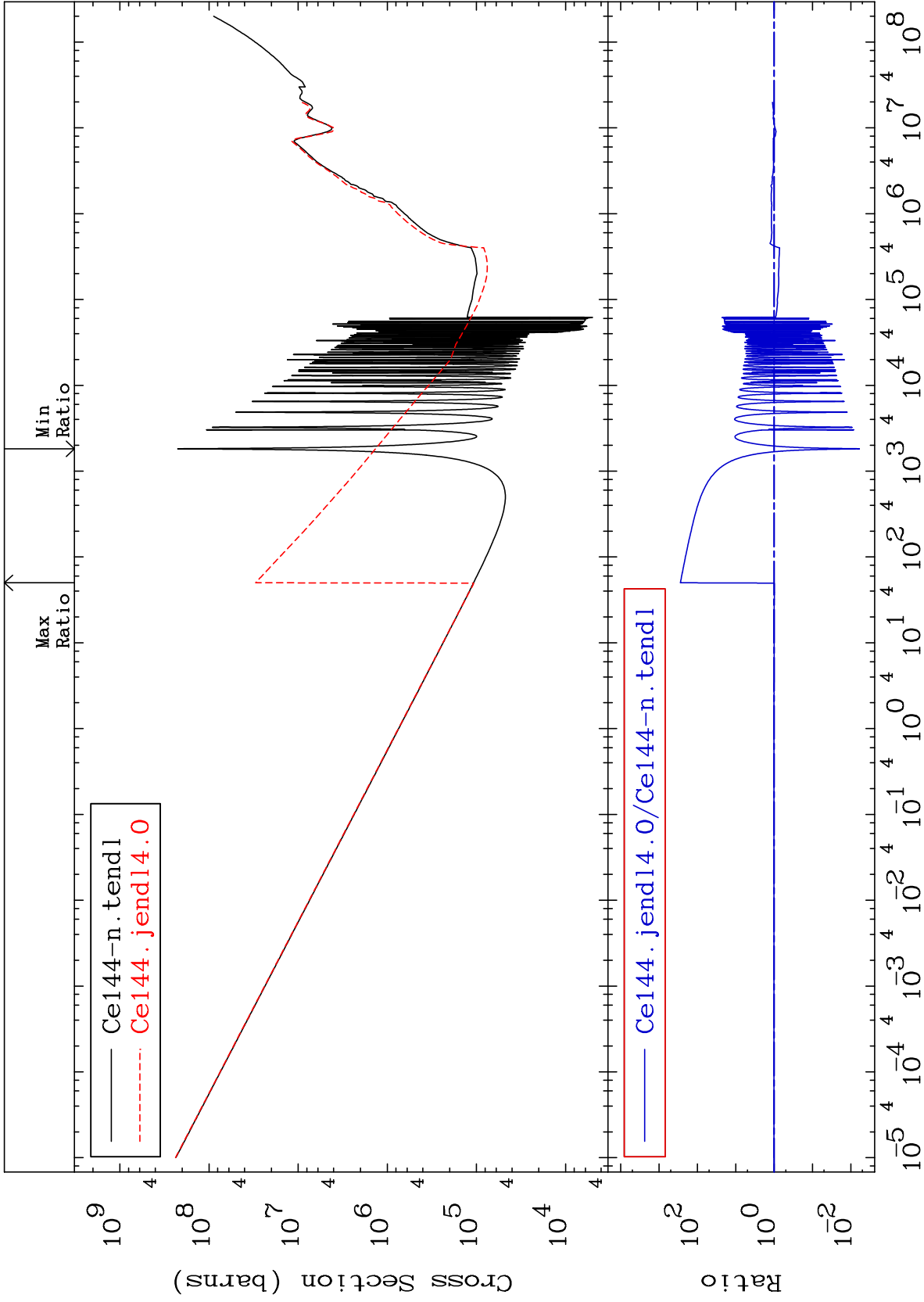
58-Ce-144

MAT 5849

He-4 Production
Cross Section

58-Ce-144
-81.57 To 281.1 %

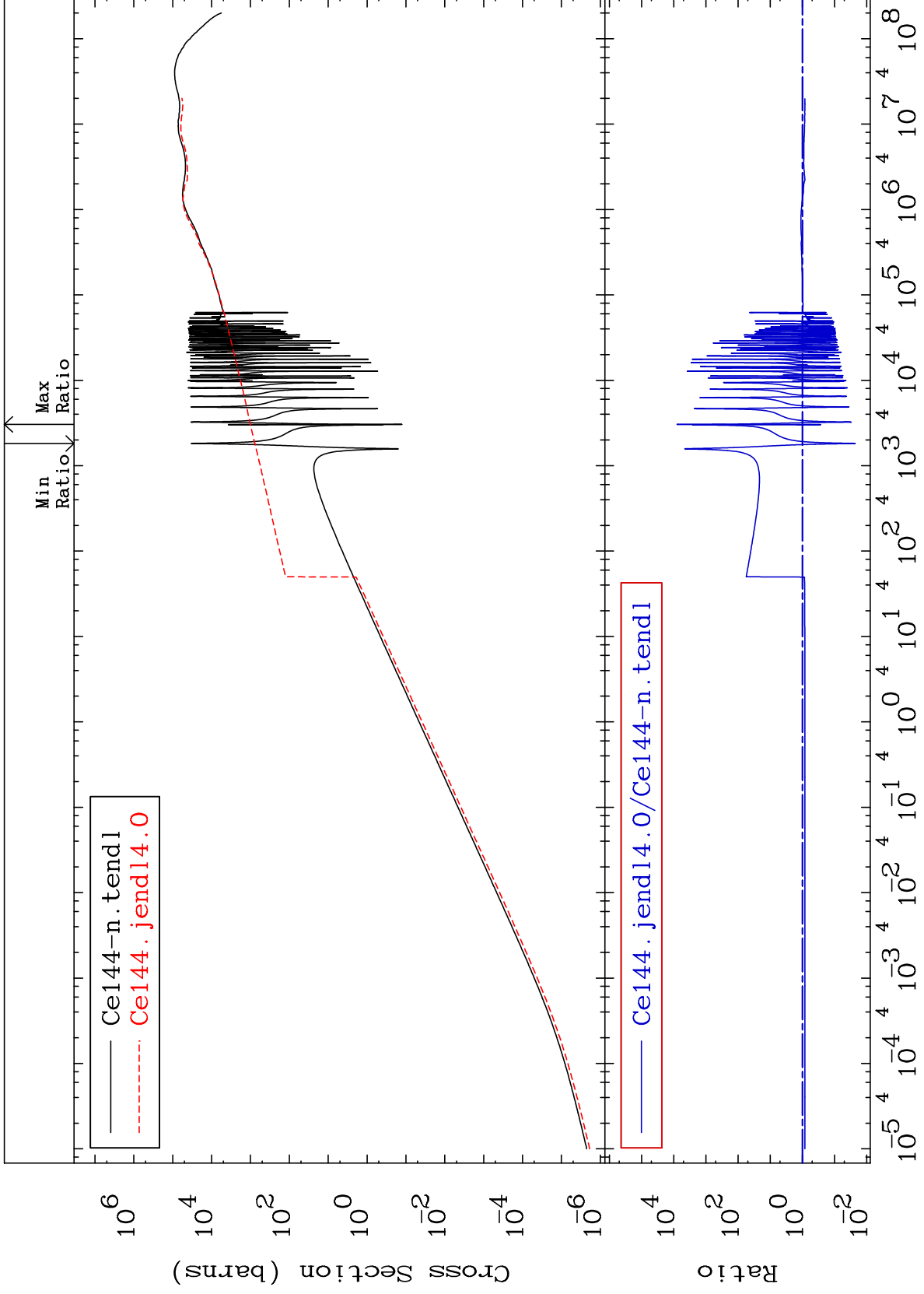


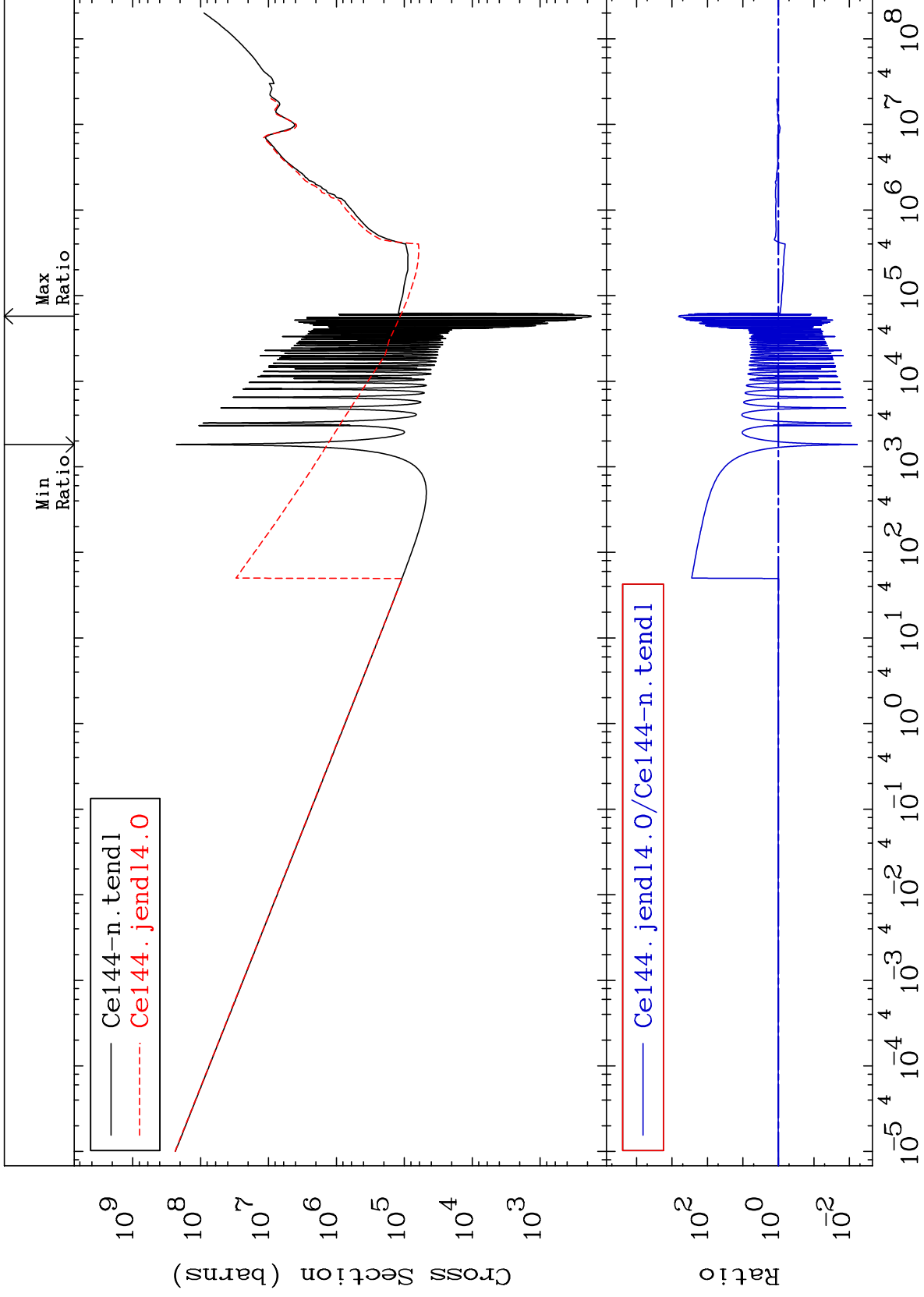


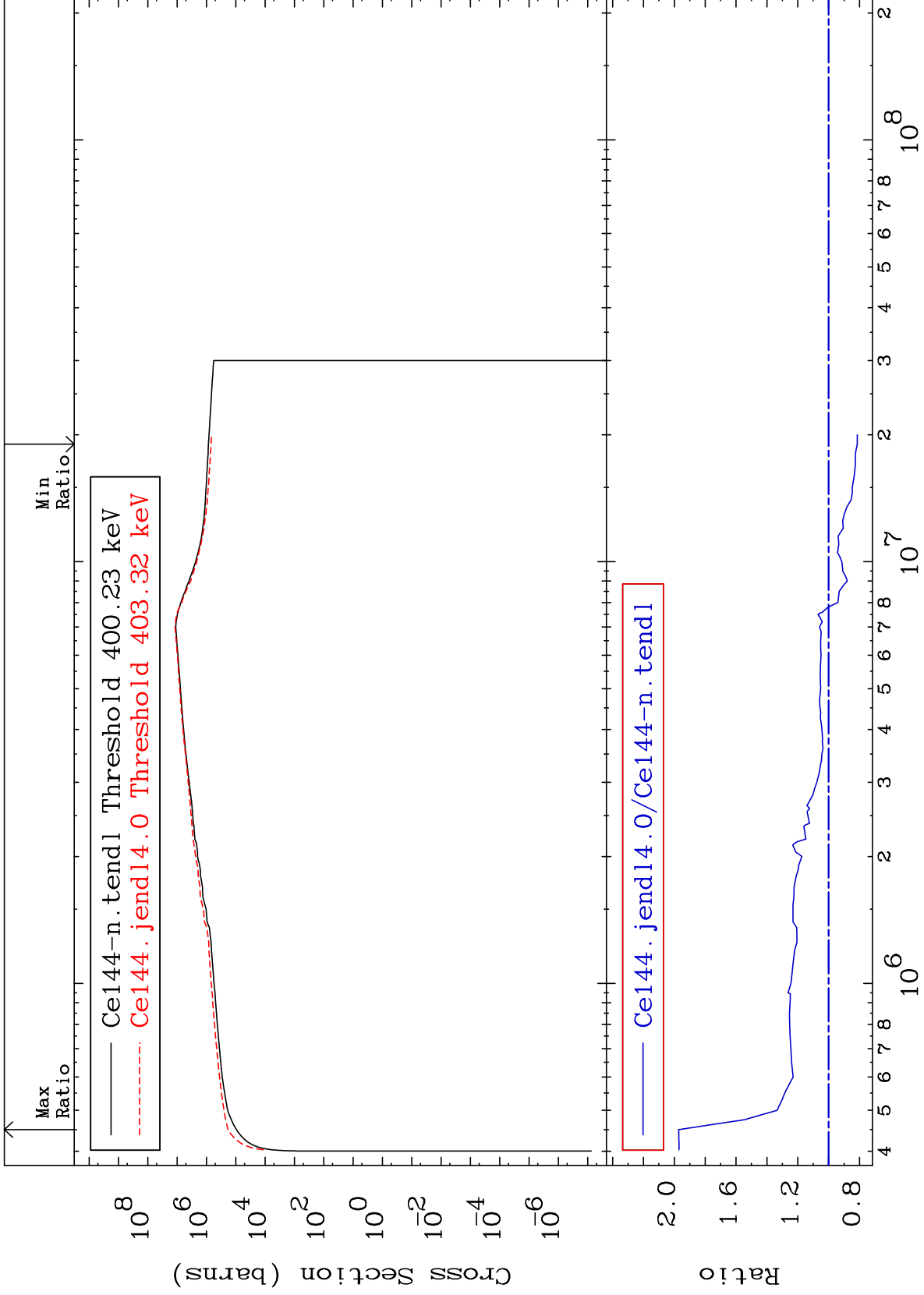
MAT 5849

Kerma elastic
Cross Section

58-Ce-144
-97.70 To 9999. %



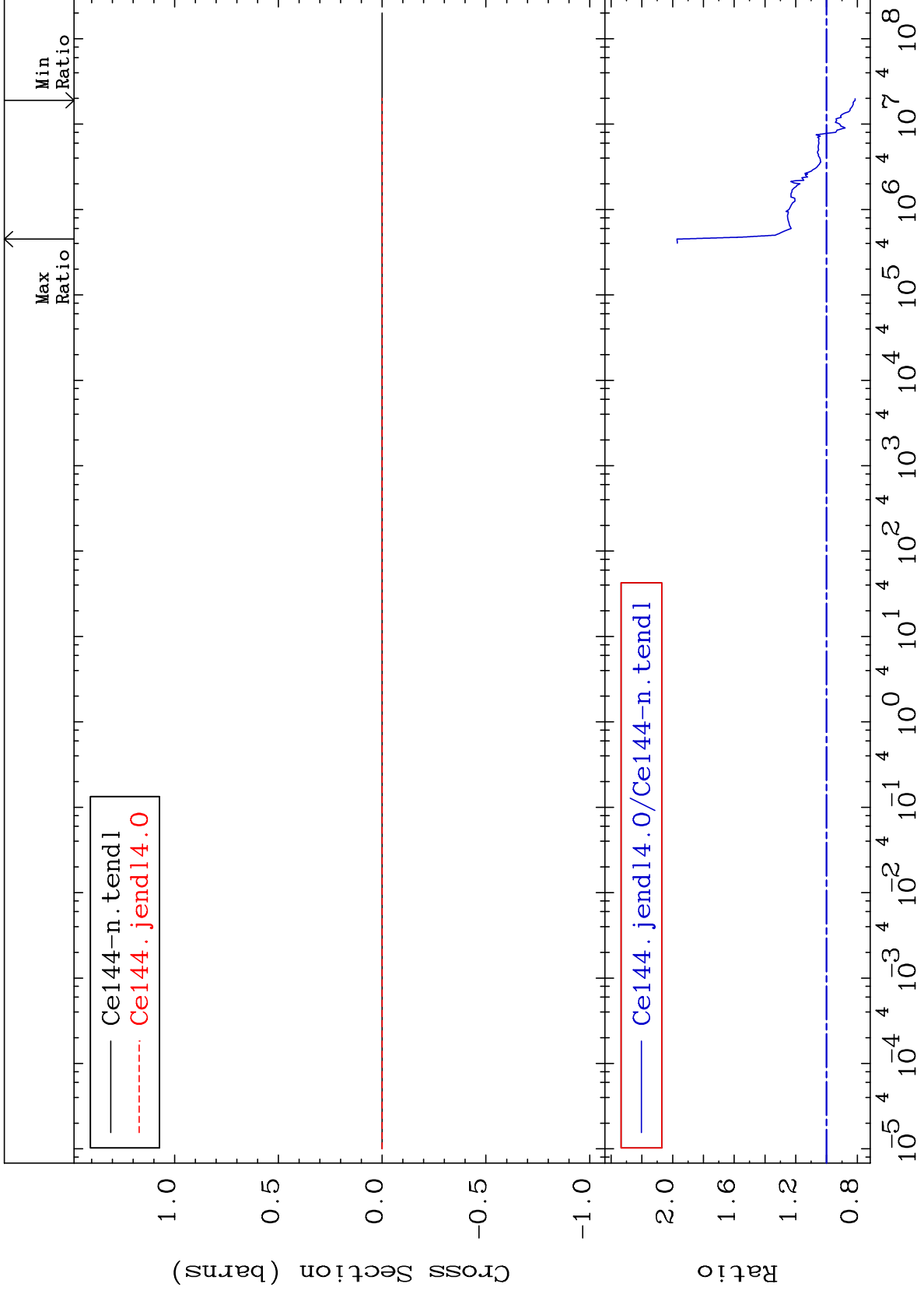




MAT 5849

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

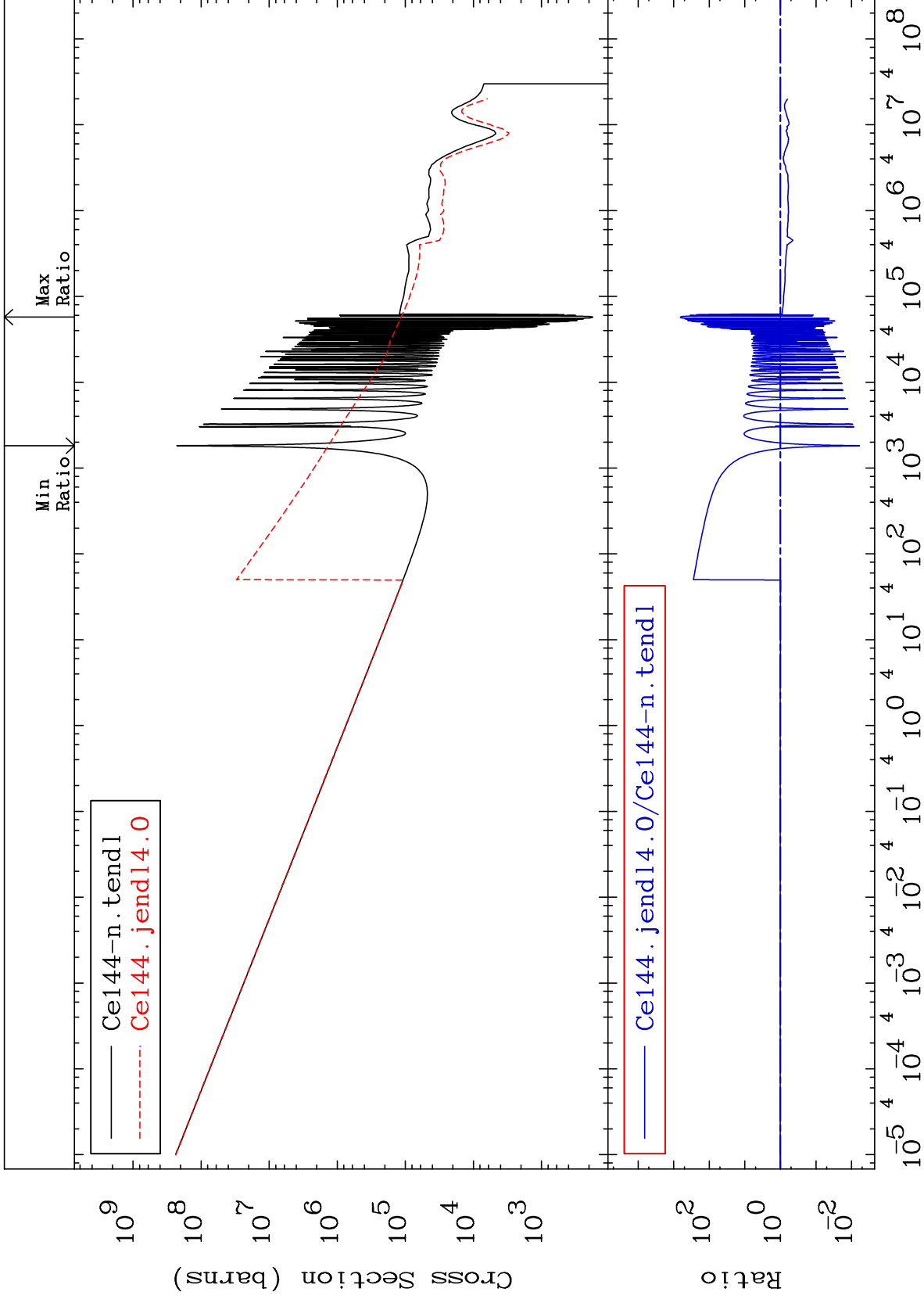
58-Ce-144
-18.56 To 97.22 %



MAT 5849

Kerma capture (mt102)
Cross Section

58-Ce-144
-99.40 To 9999. %



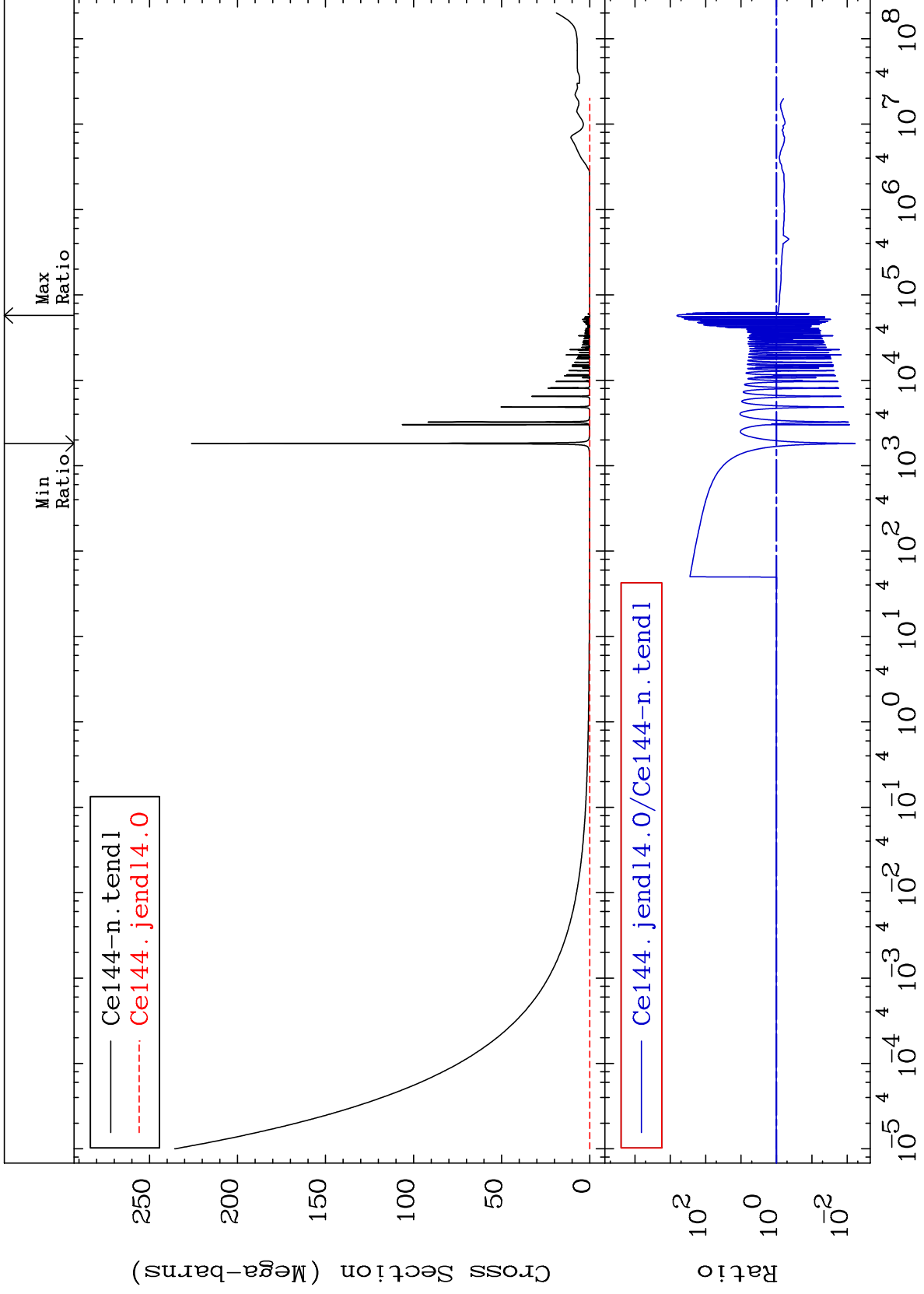
40

58-Ce-144

MAT 5849

Total photon (eV-barns)
Cross Section

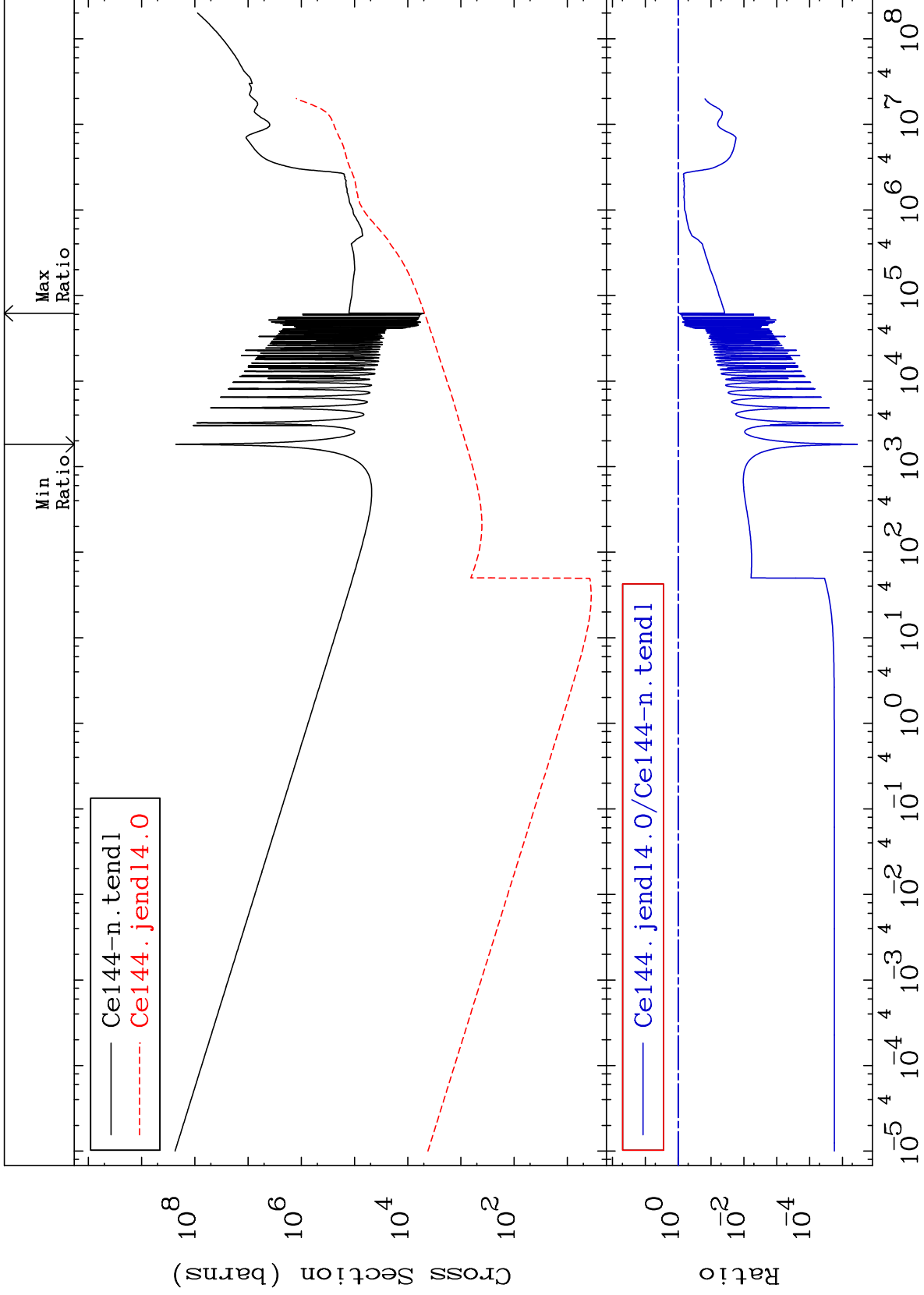
58-Ce-144
-99.40 To 9999. %

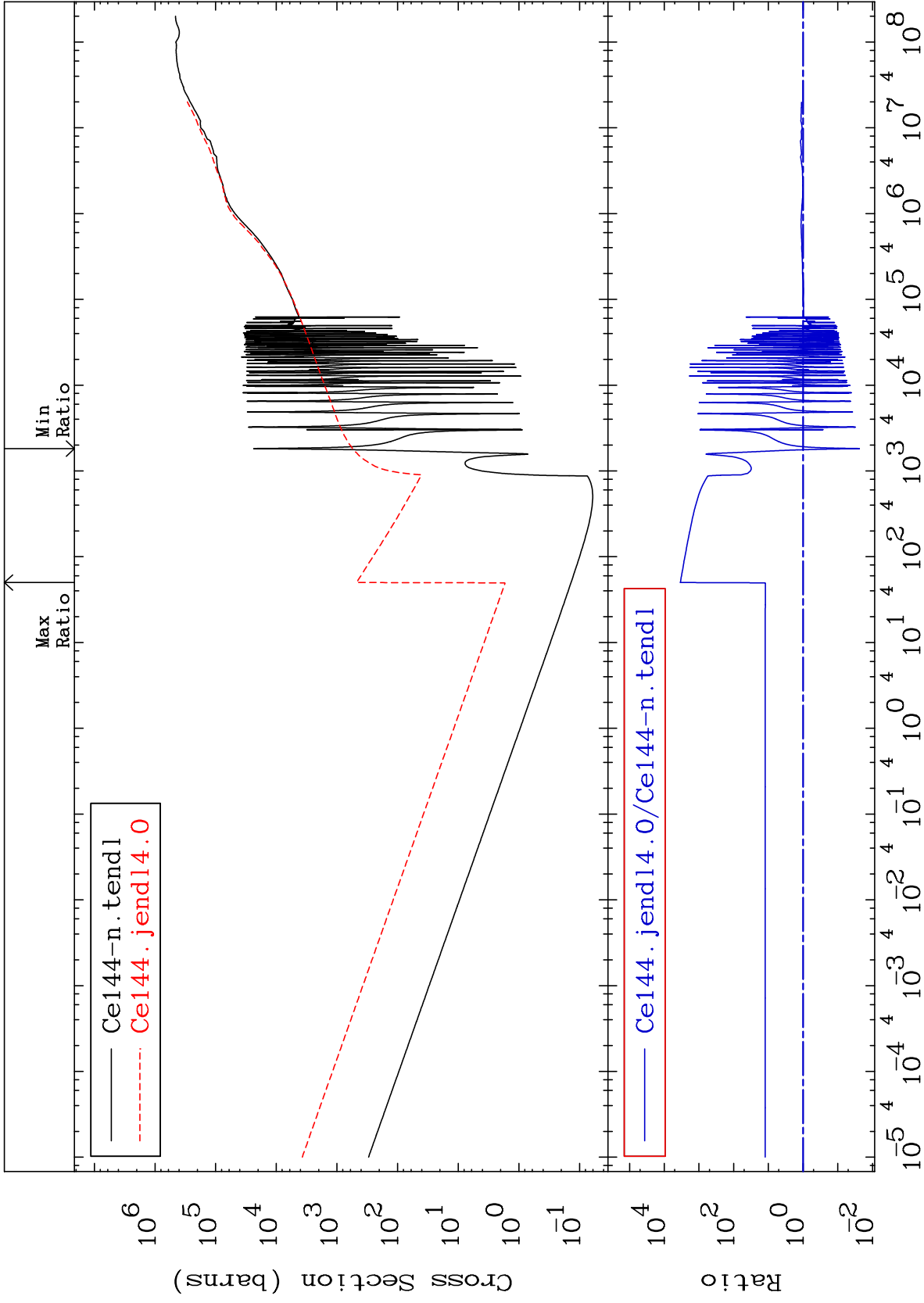


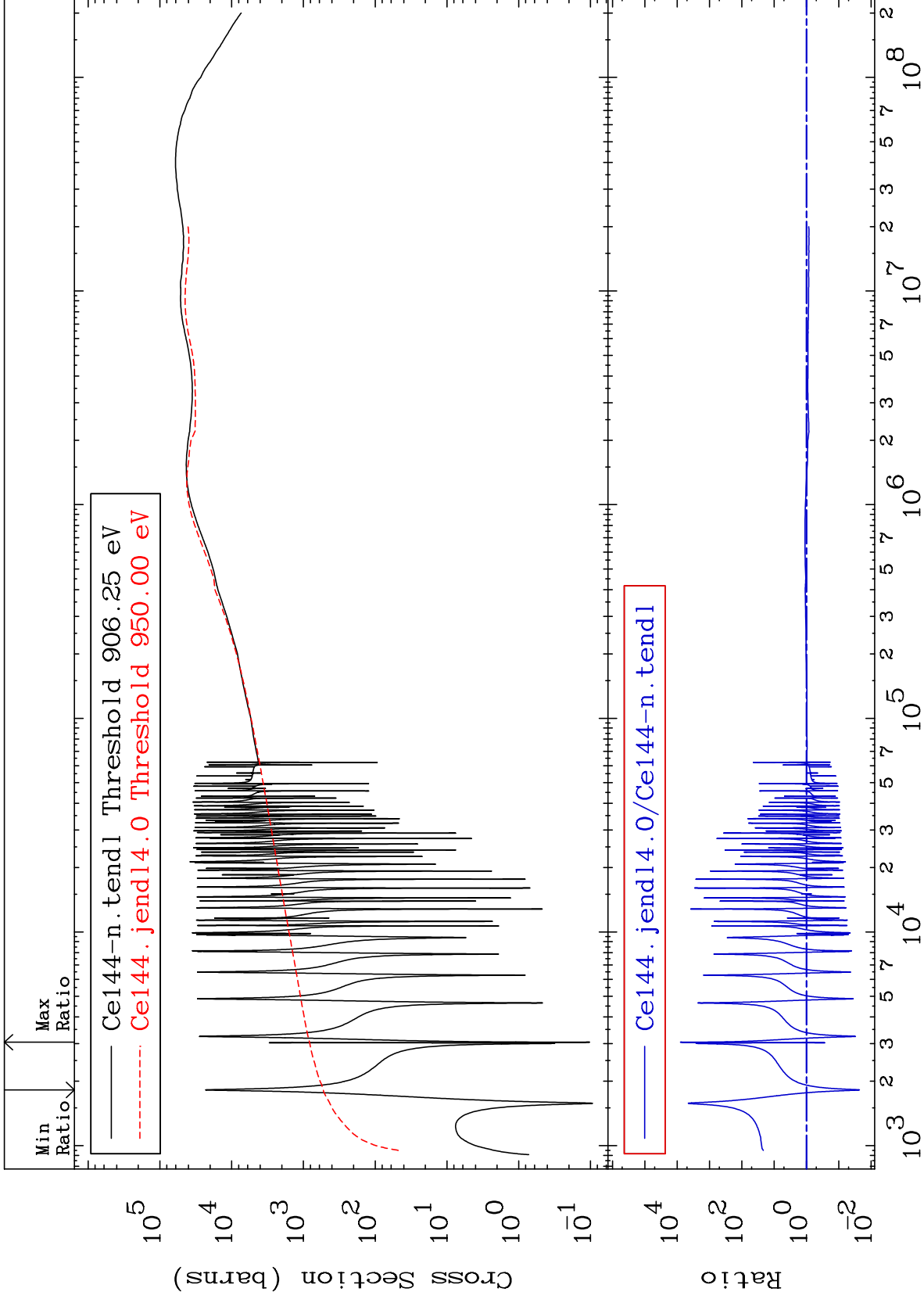
41

Incident Energy (eV)

58-Ce-144



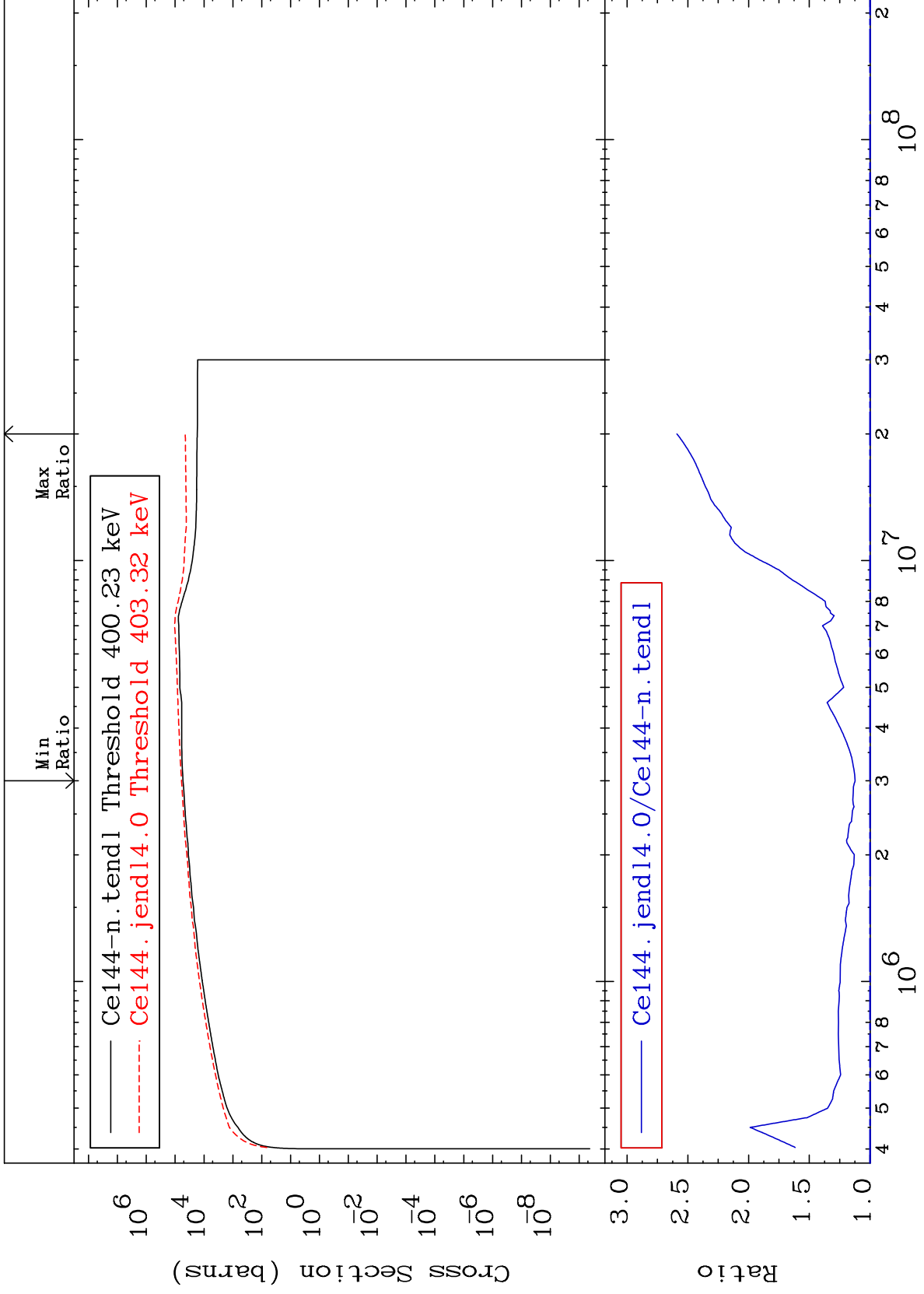




MAT 5849

Dpa inelastic (mt51-91)
Cross Section

58-Ce-144
12.35 To 159.0 %



45

Incident Energy (eV)

58-Ce-144

