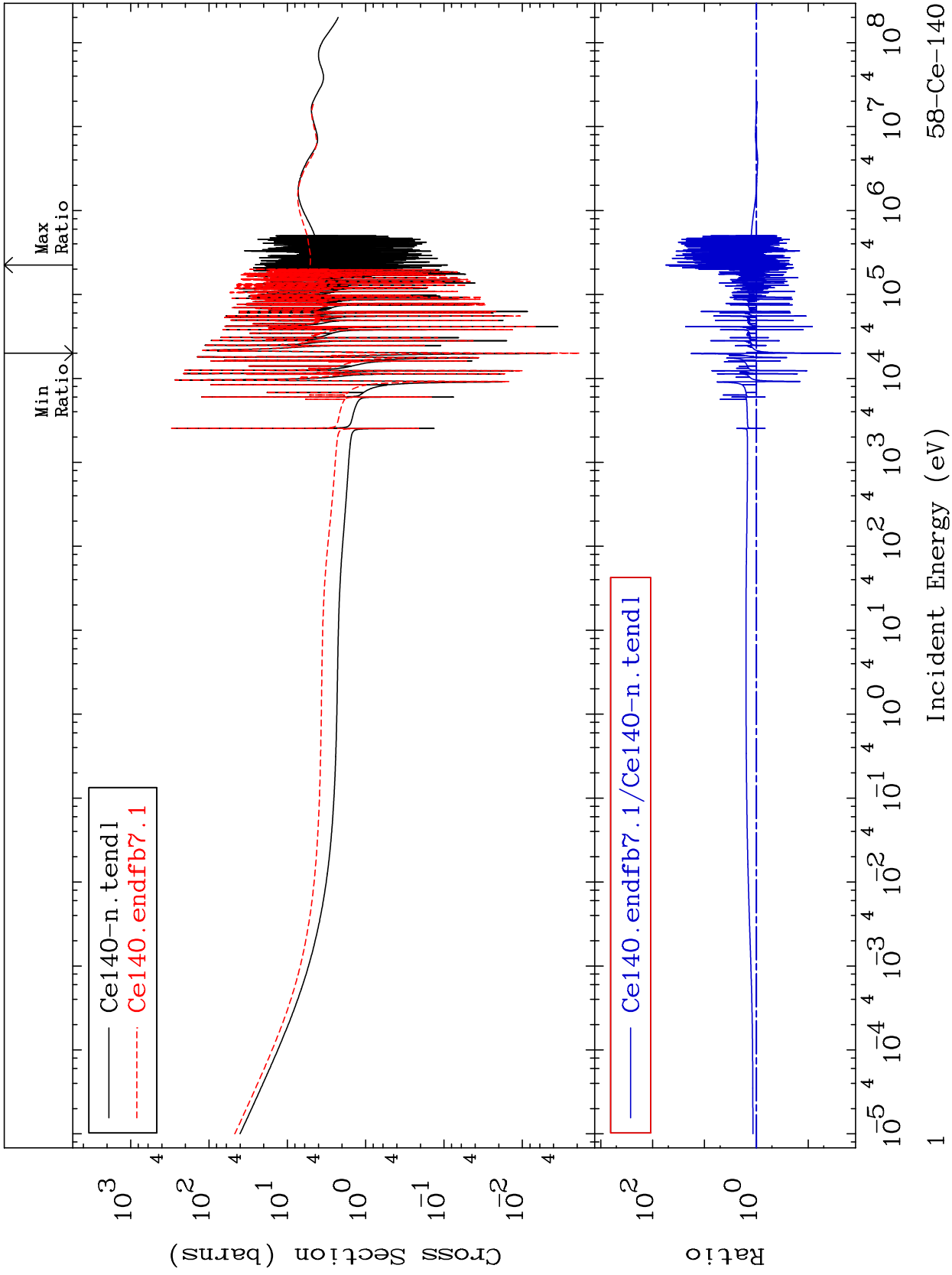


MAT 5837

Total
Cross Section

58-Ce-140
-97.64 To 5544. %



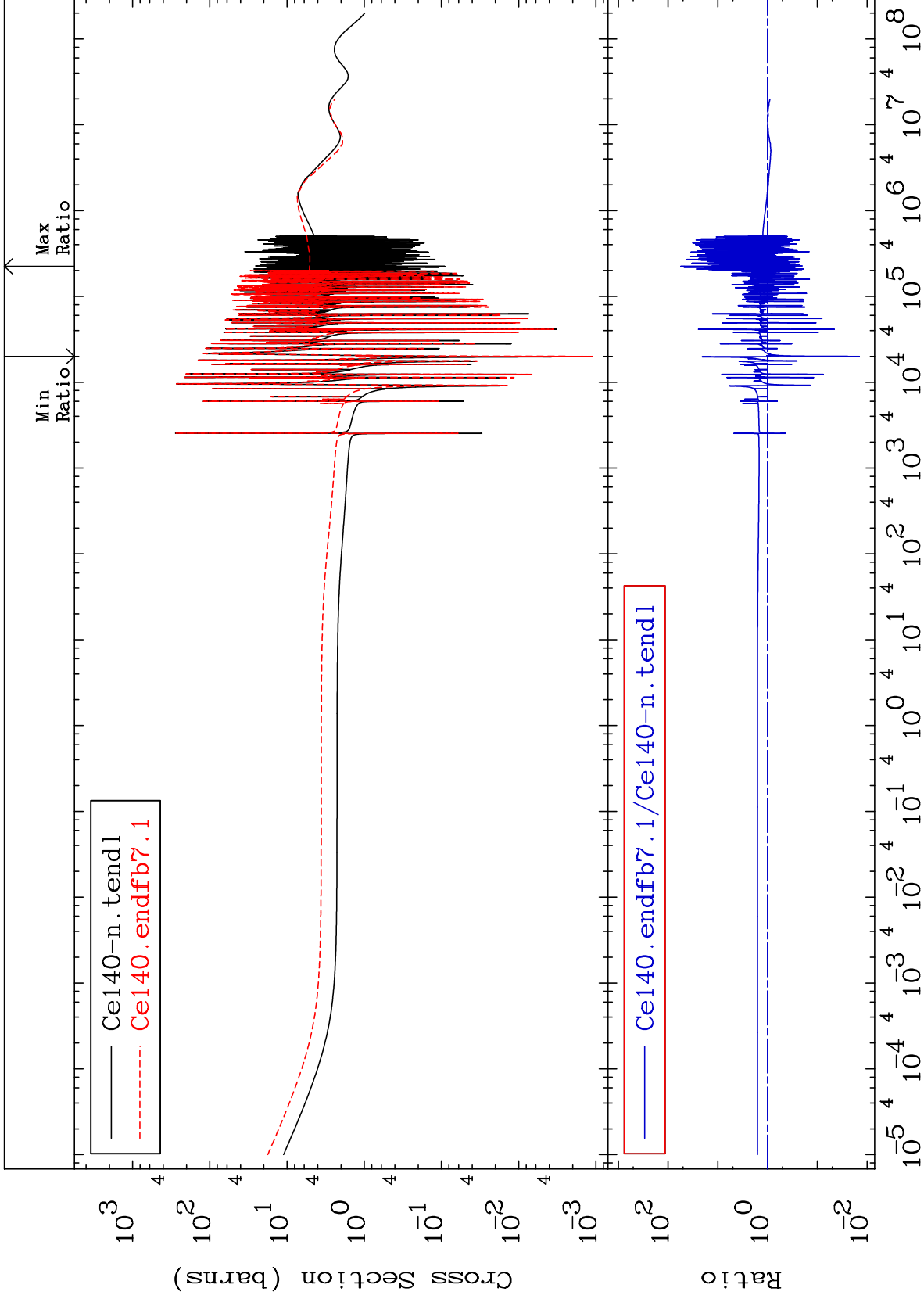
58-Ce-140

Incident Energy (eV)

MAT 5837

Elastic
Cross Section

58-Ce-140
-98.57 To 5560. %



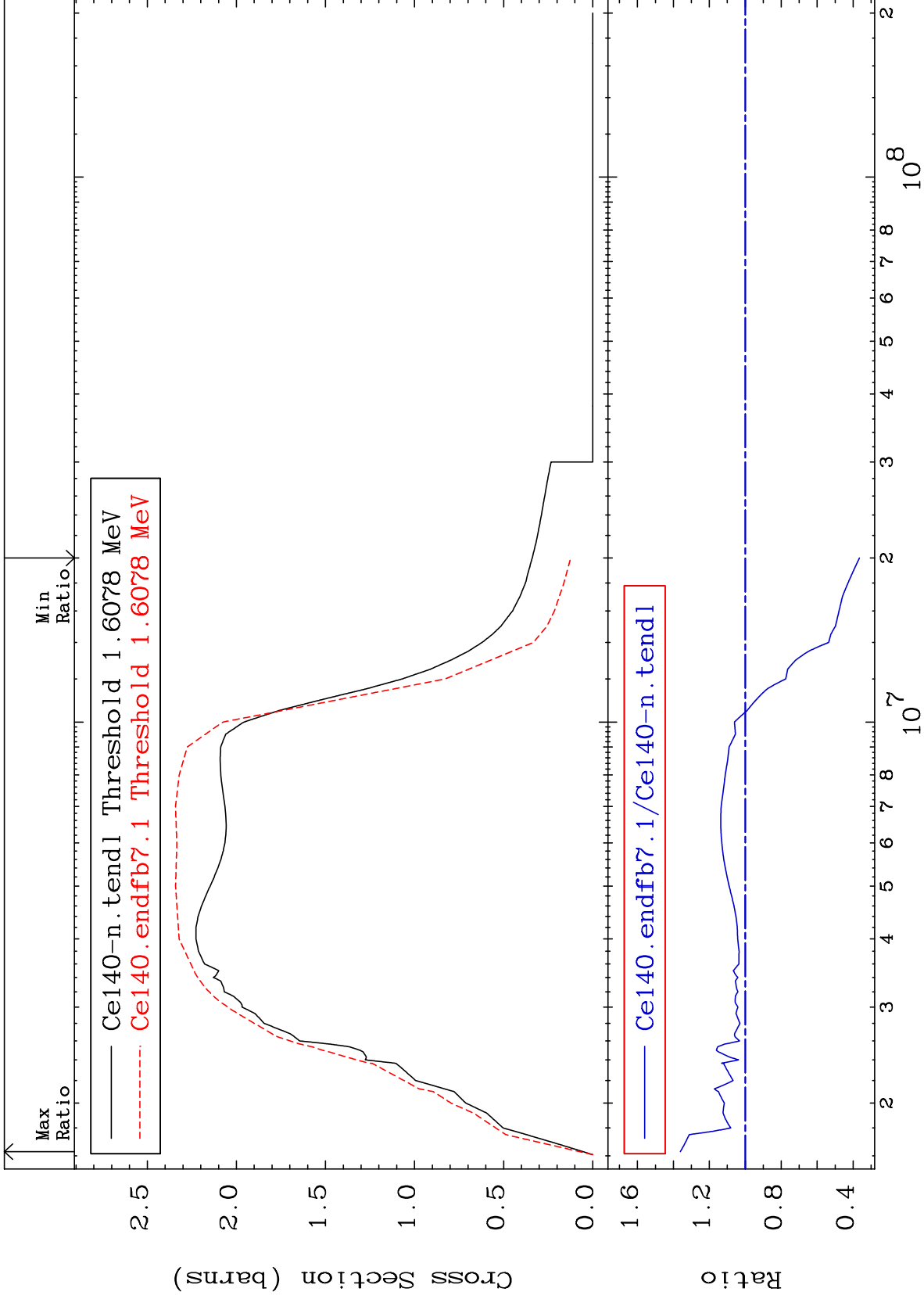
Incident Energy (eV)

58-Ce-140

MAT 5837

Inelastic
Cross Section

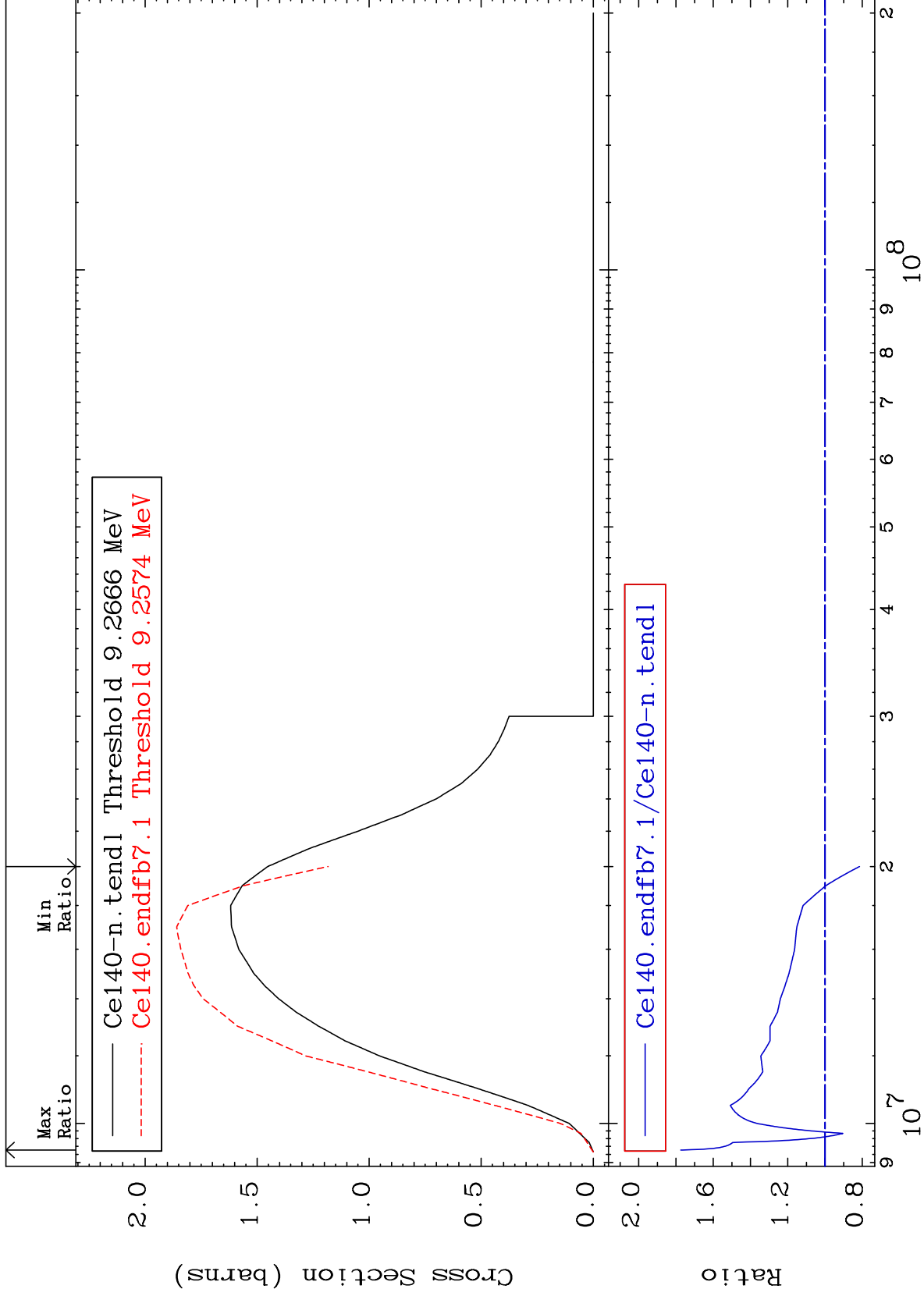
58-Ce-140
-63.52 To 36.13 %



MAT 5837

(n,2n)
Cross Section

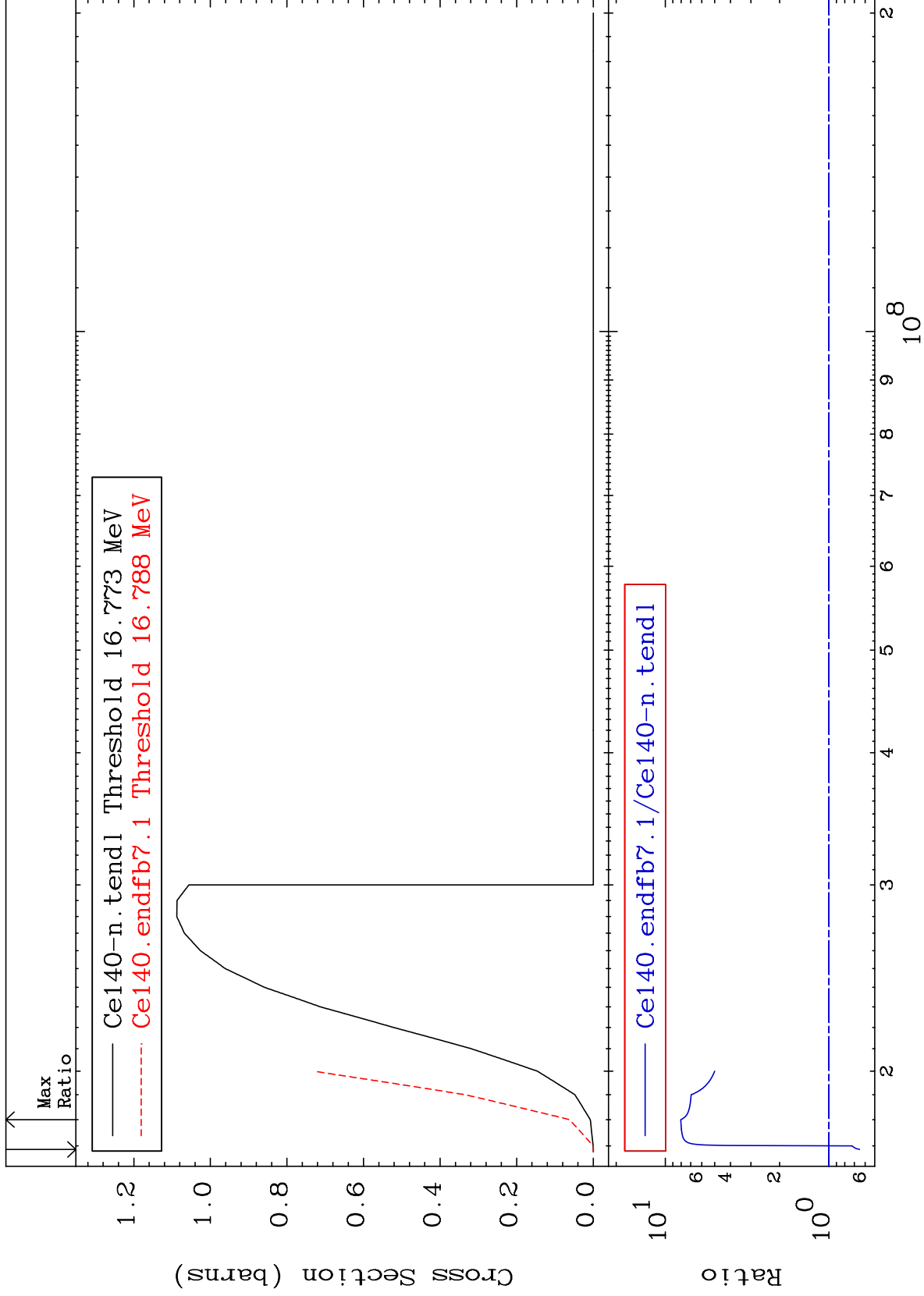
58-Ce-140
-18.50 To 77.46 %



58-Ce-140

Incident Energy (eV)

4



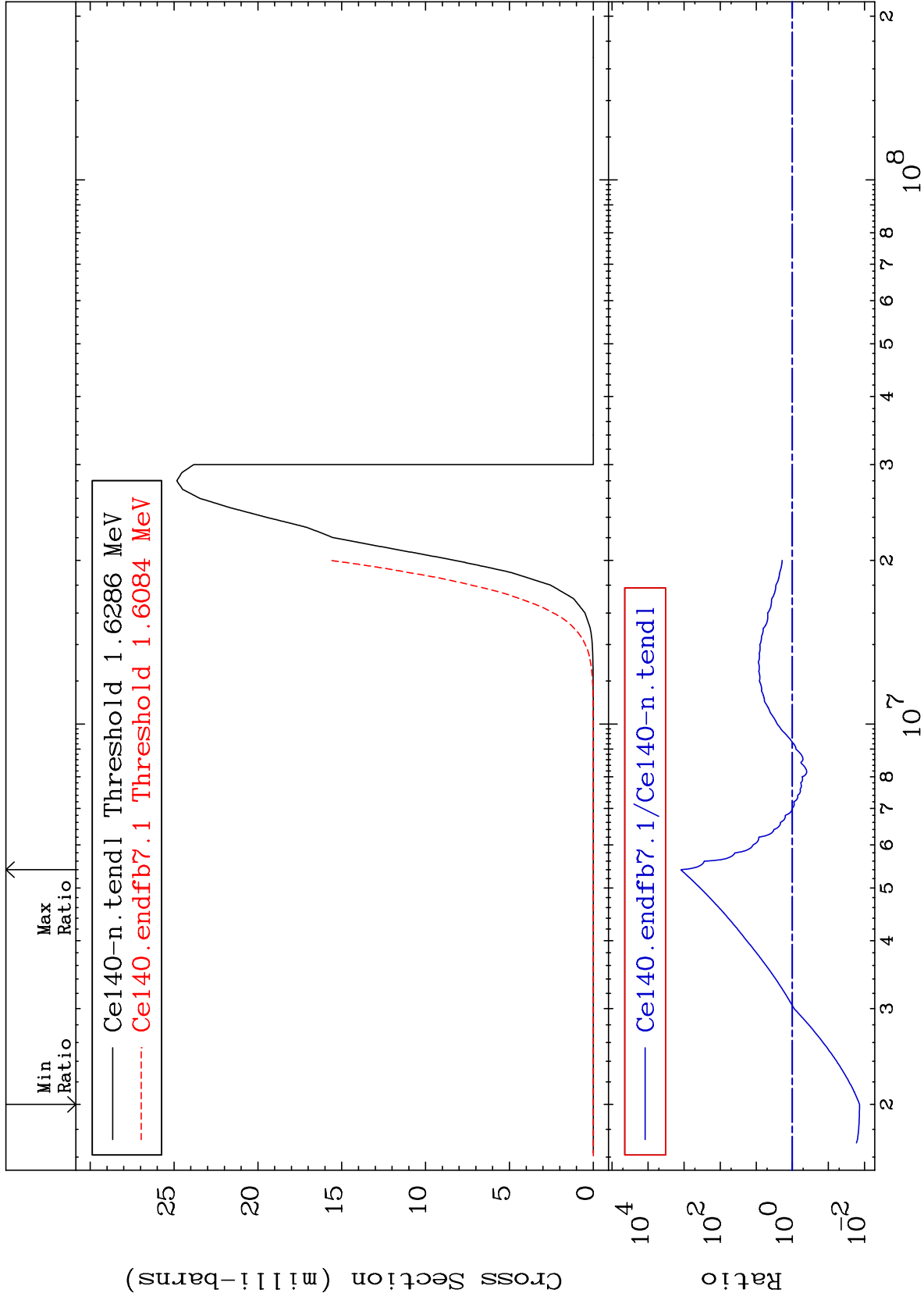
MAT 5837

(n, n') α

58-Ce-140

Cross Section

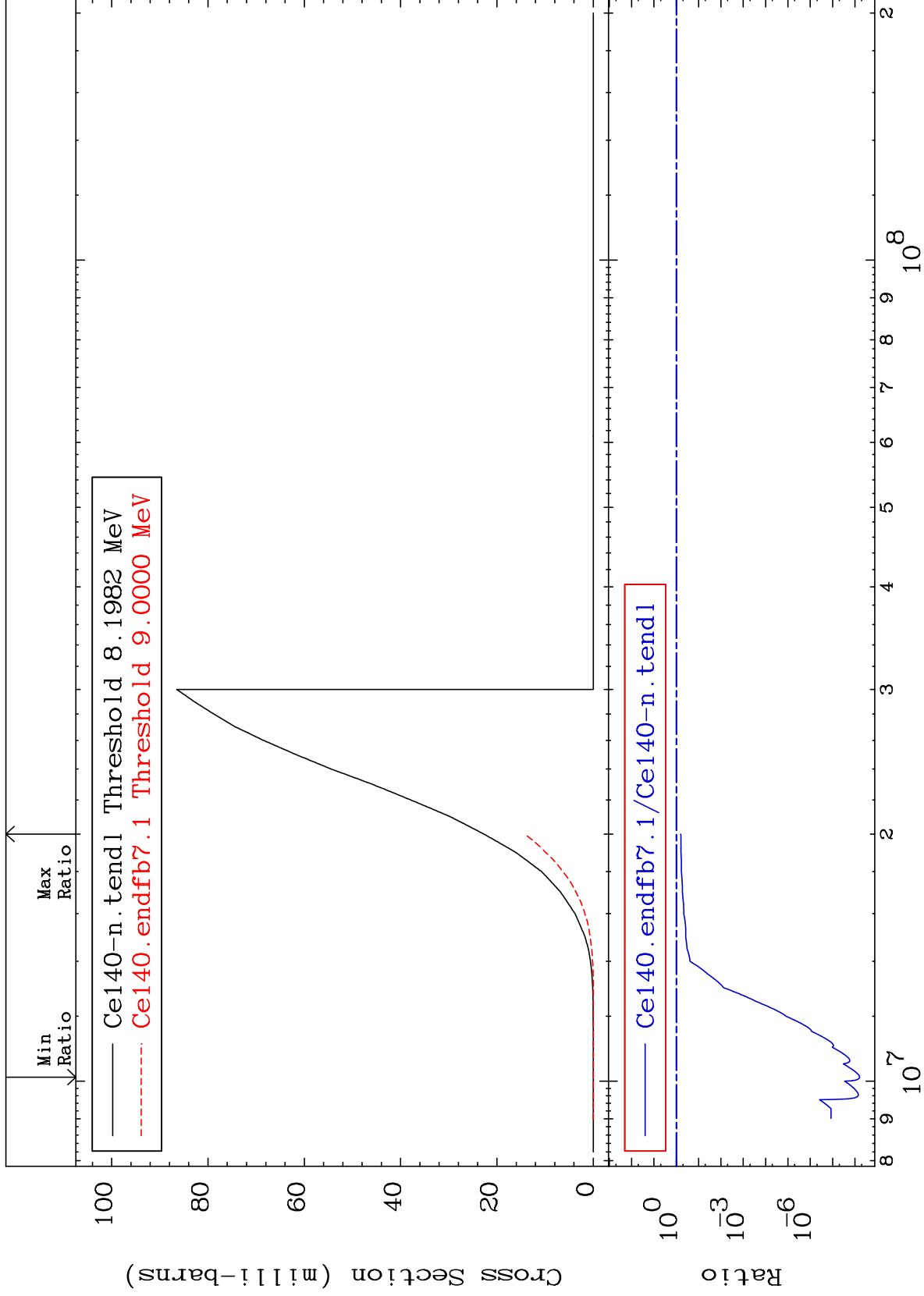
-98.63 To 9999. %



MAT 5837

(n,n') p
Cross Section

58-Ce-140
-100.0 To -37.20%



7

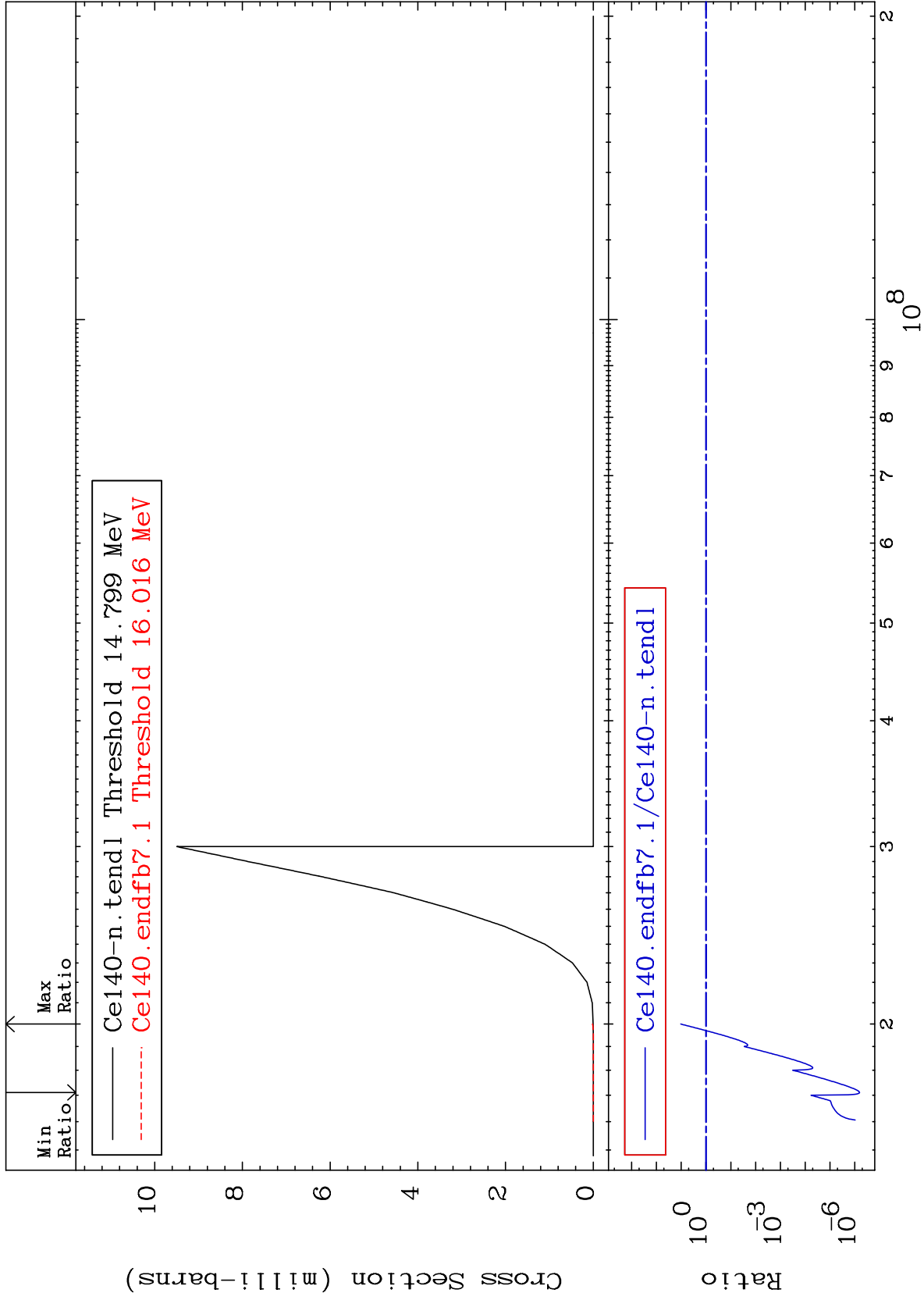
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,n') d
Cross Section

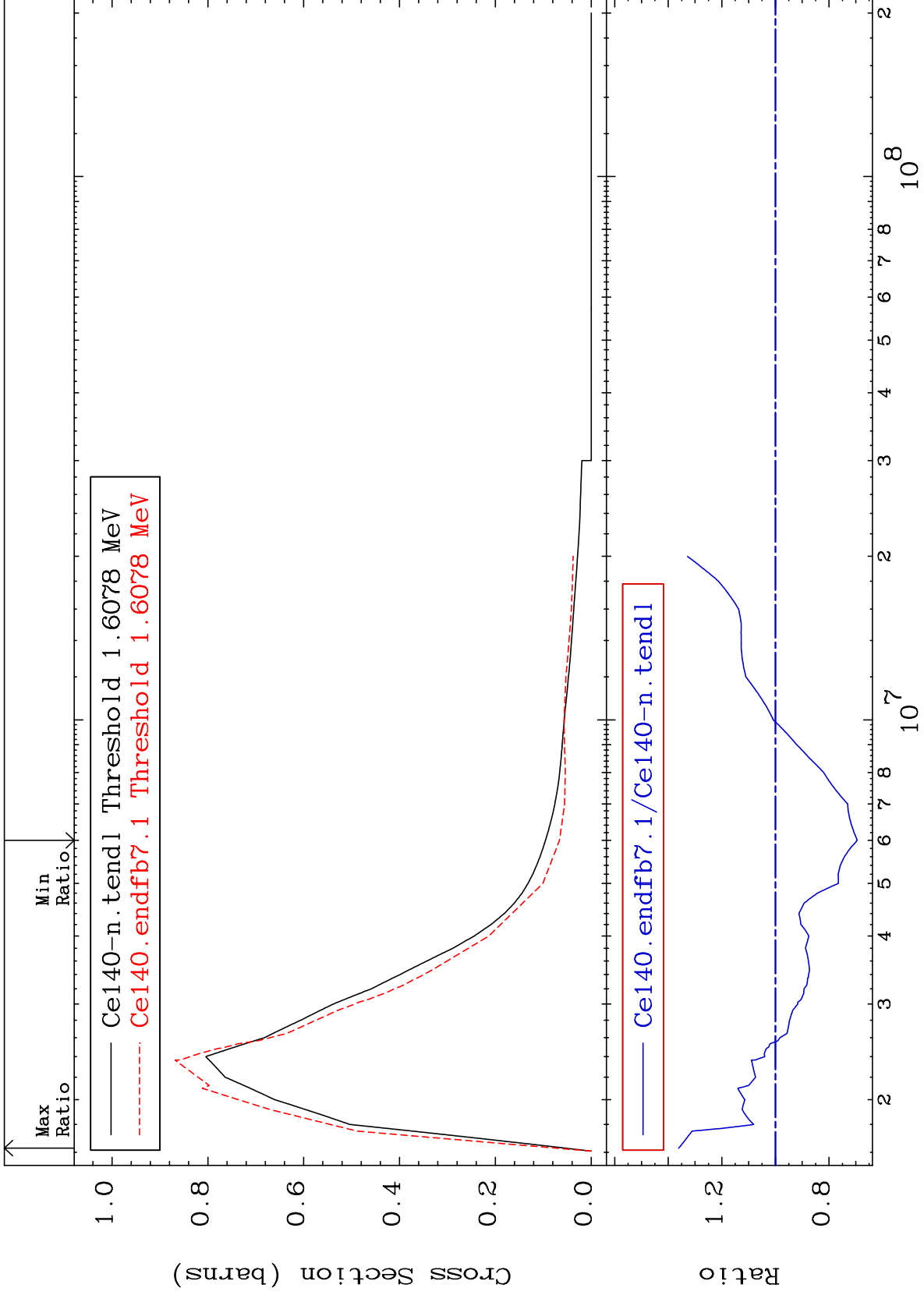
58-Ce-140
-100.0 To 943.5 %



MAT 5837

1.596 MeV (n,n') Level
Cross Section

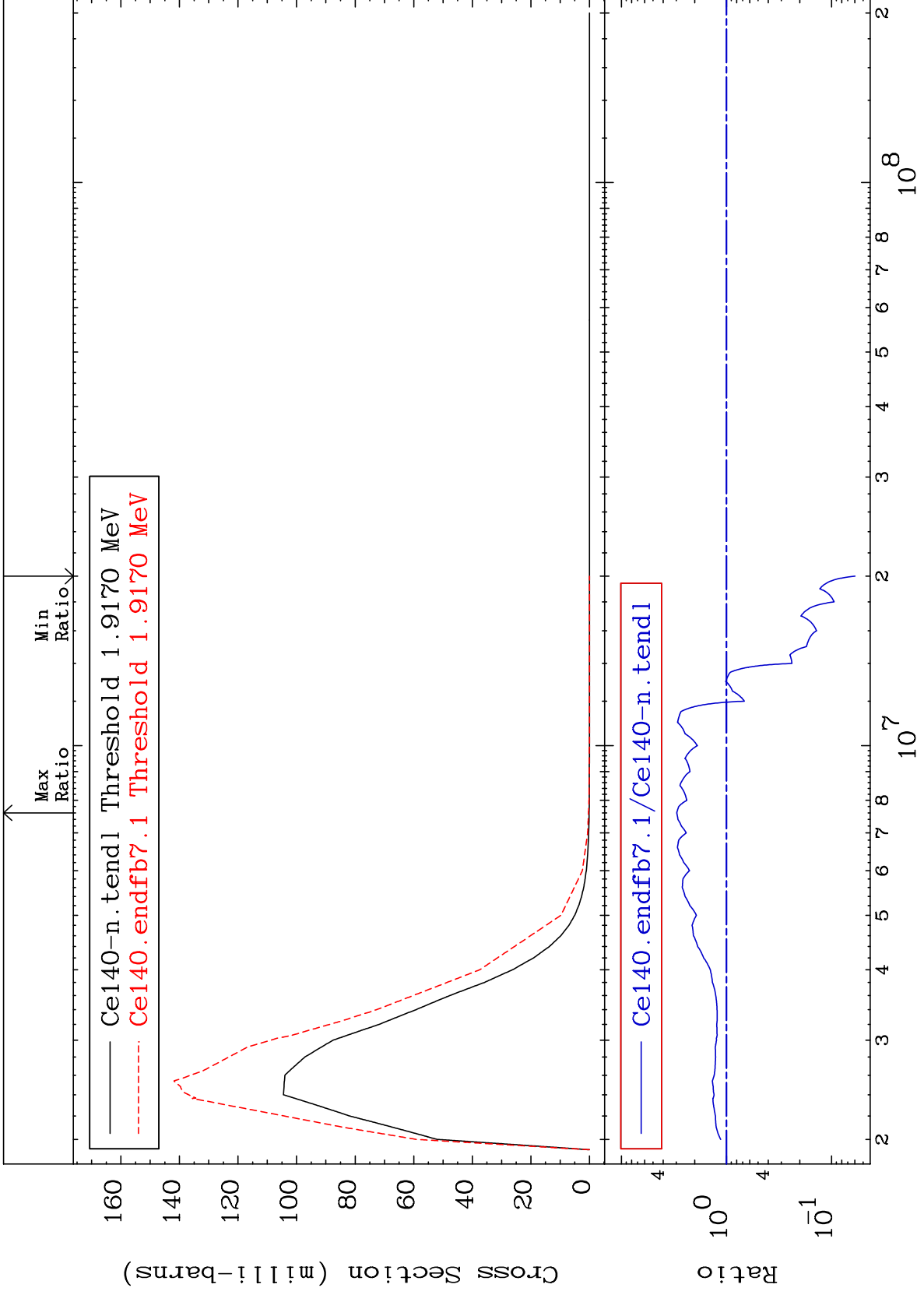
58-Ce-140
-30.55 To 36.13 %



MAT 5837

1.903 MeV (n,n') Level
Cross Section

58-Ce-140
-94.03 To 197.3 %



10

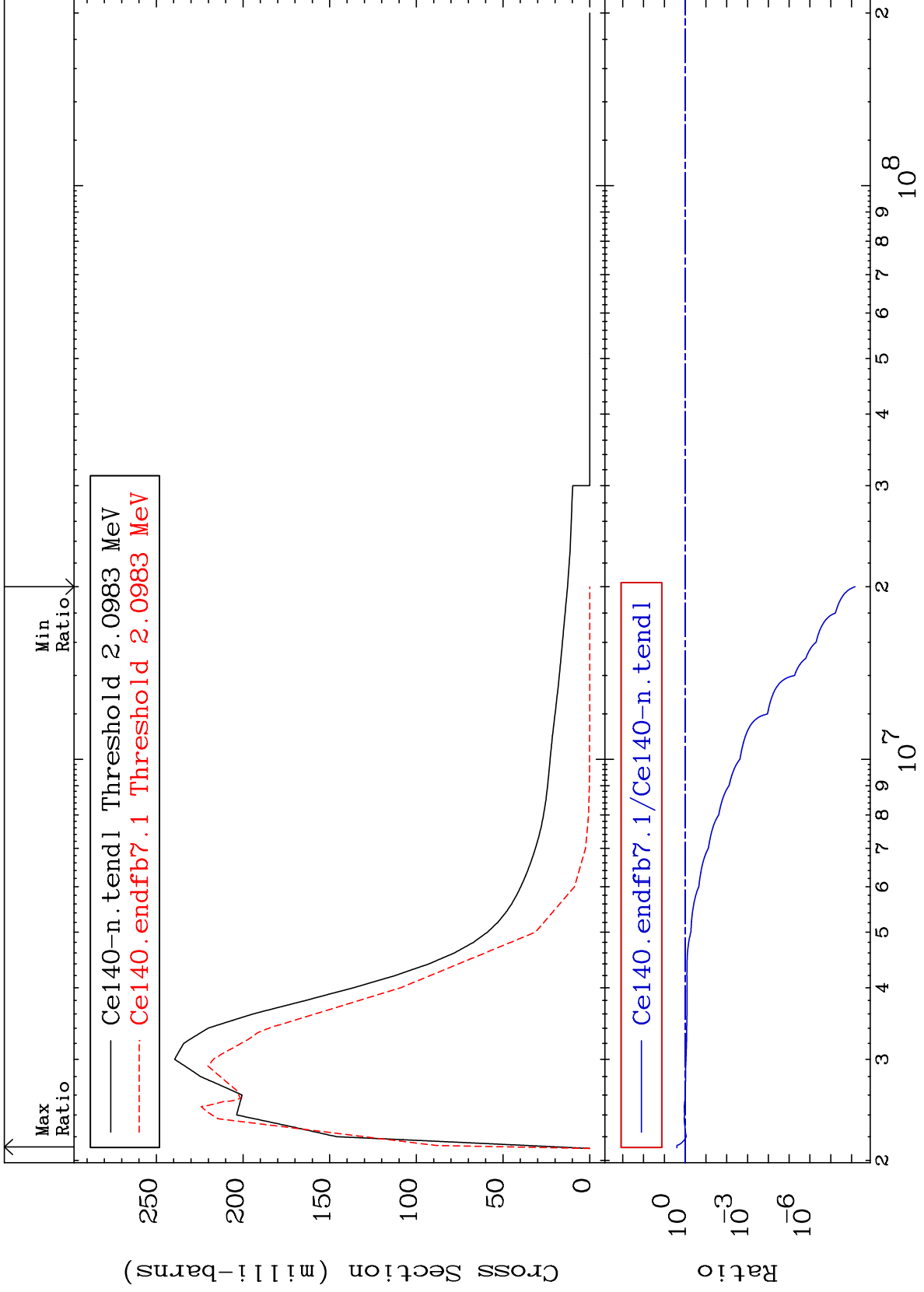
Incident Energy (eV)

58-Ce-140

MAT 5837

2.083 MeV (n,n') Level
Cross Section

58-Ce-140
-100.0 To 148.1 %



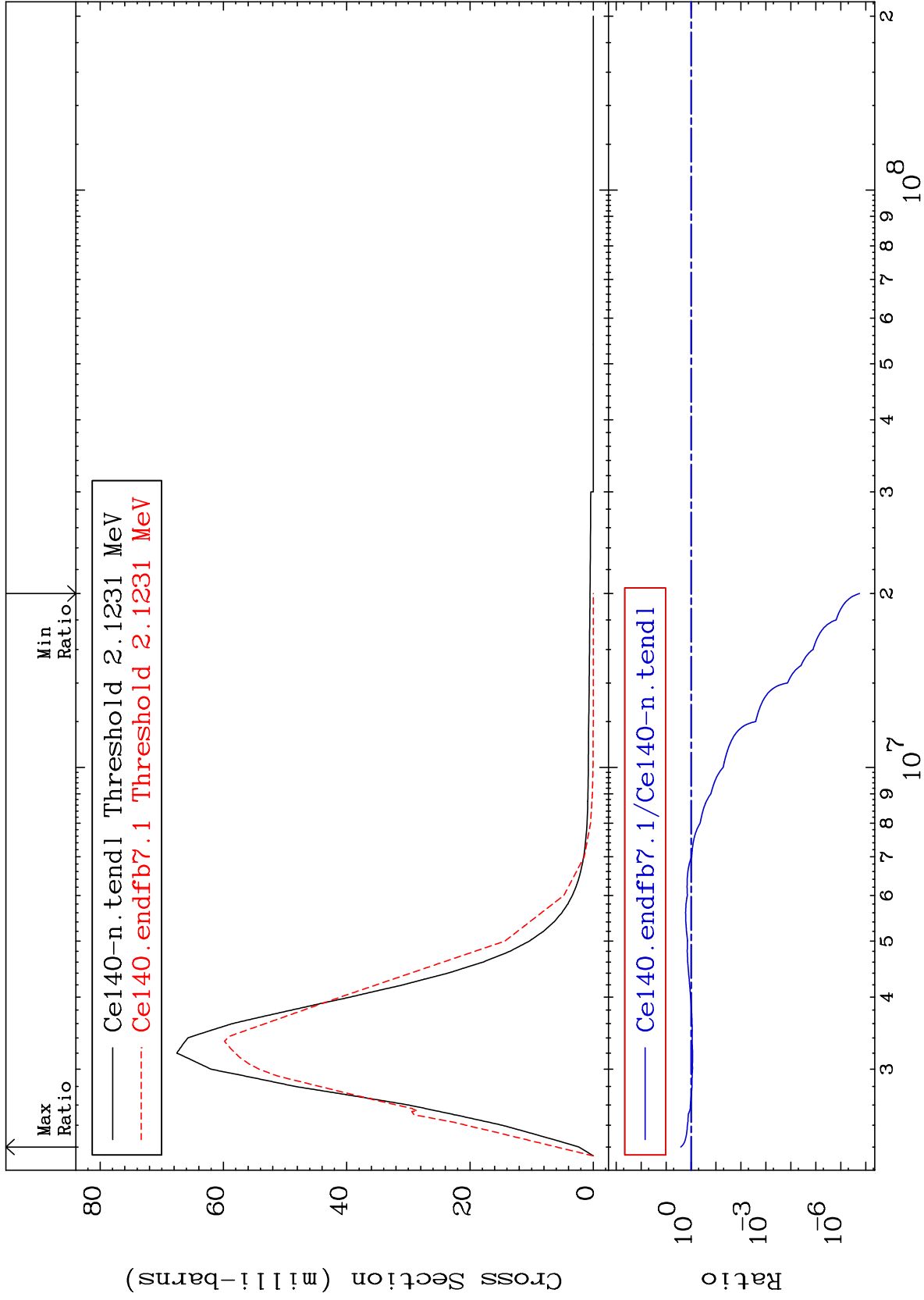
MAT 5837

2.108 MeV (n,n') Level

58-Ce-140

-100.0 To 157.6 %

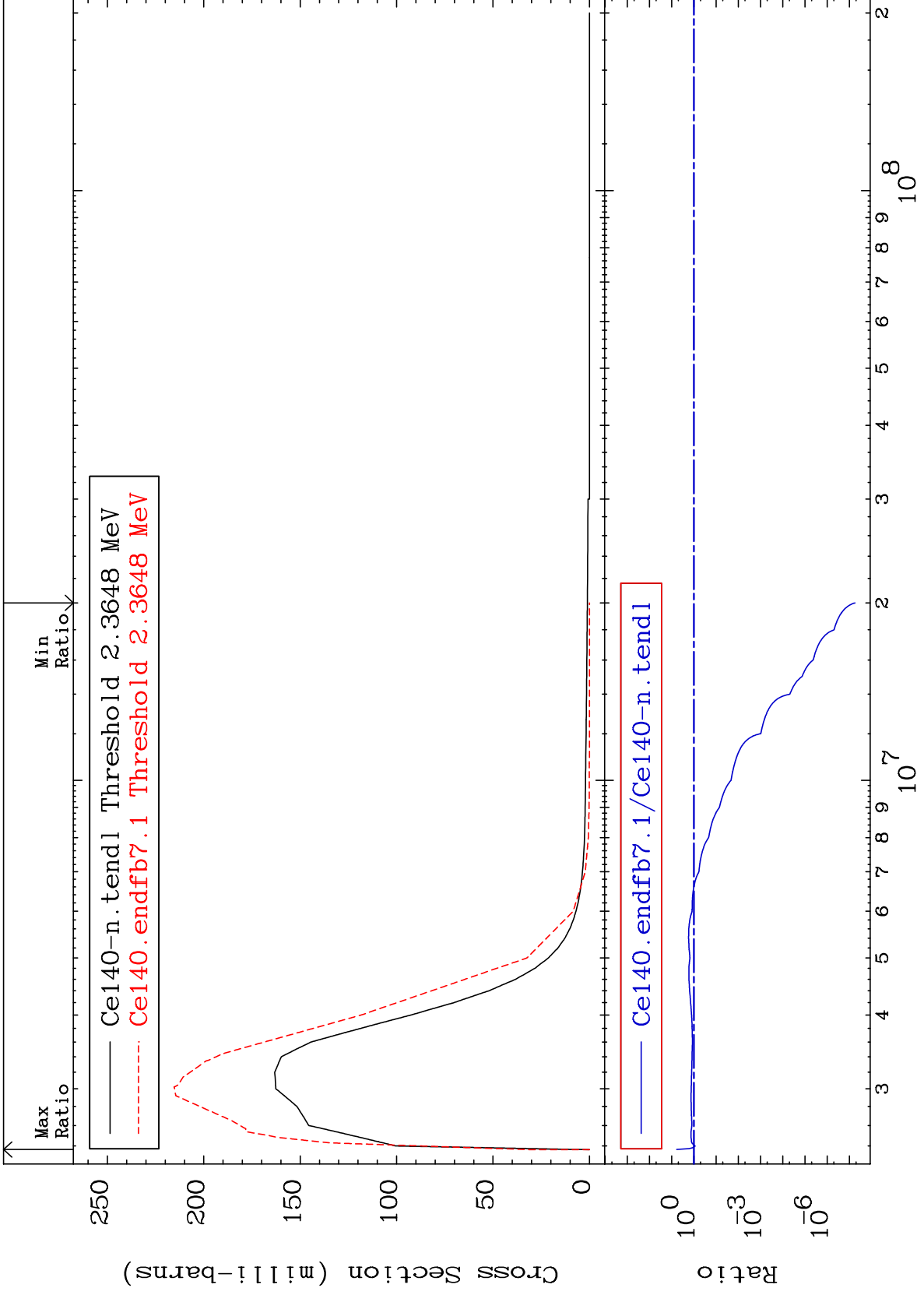
Cross Section



MAT 5837

2.348 MeV (n,n') Level
Cross Section

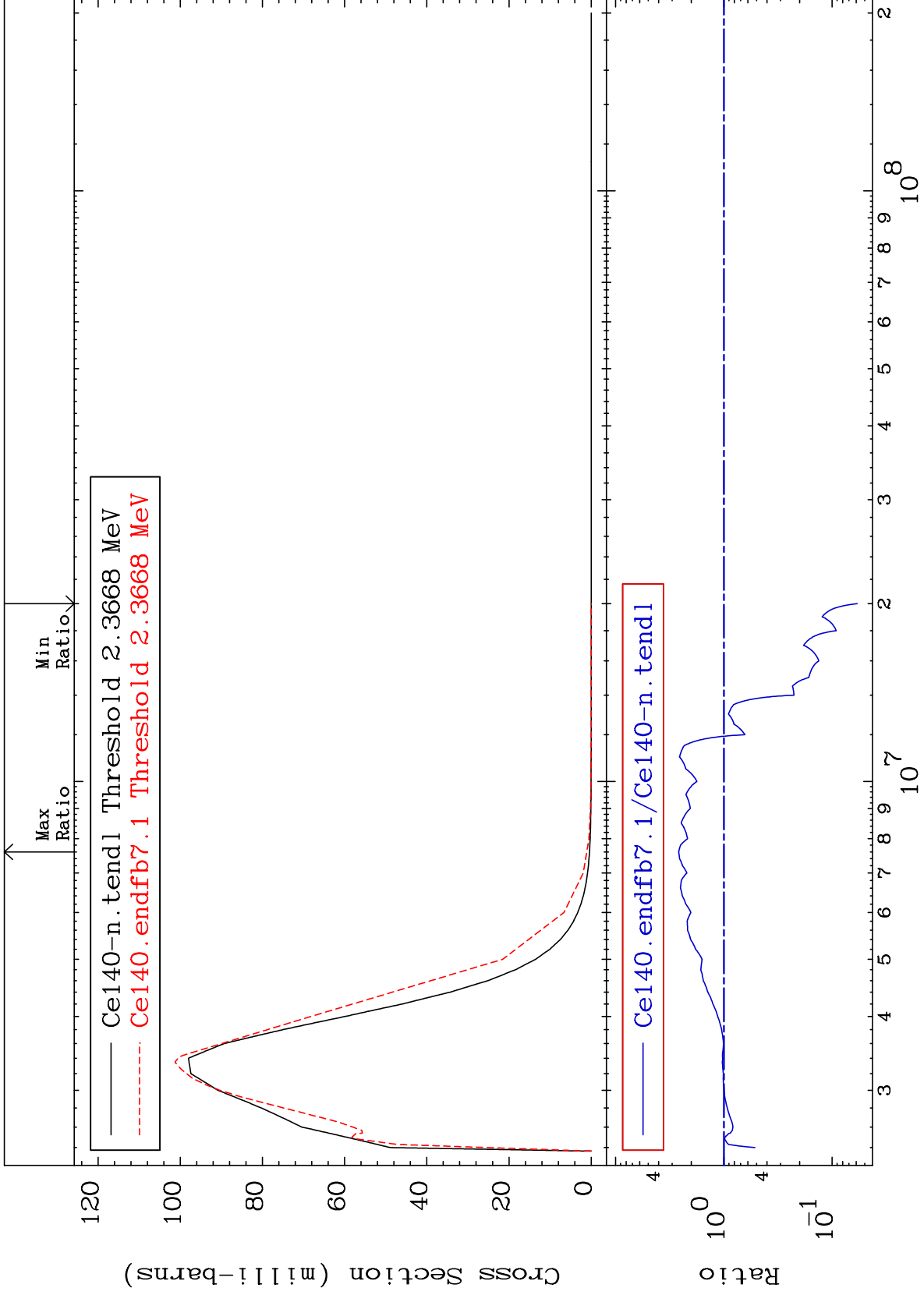
58-Ce-140
-100.0 To 496.4 %



MAT 5837

2.350 MeV (n,n') Level
Cross Section

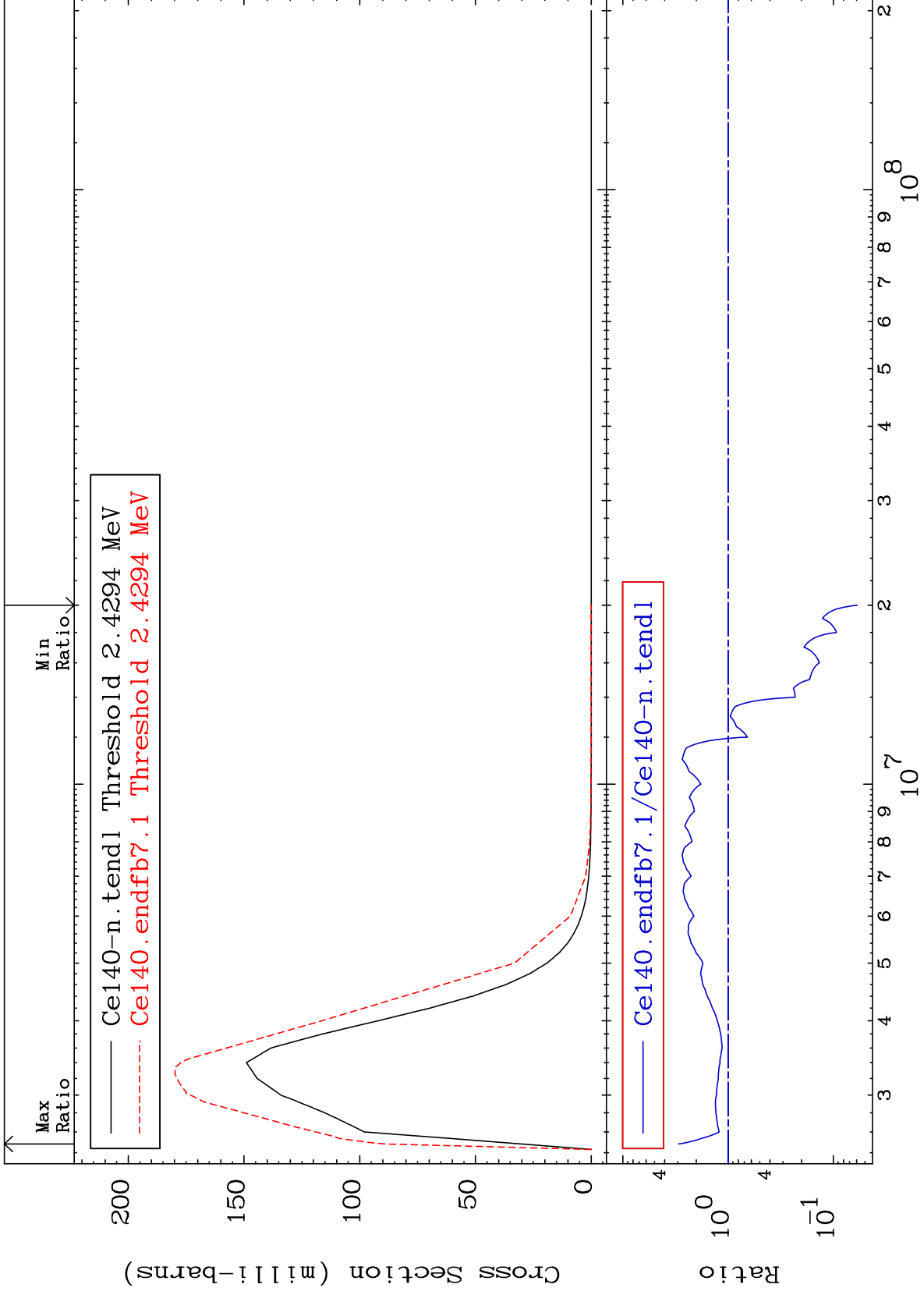
58-Ce-140
-94.13 To 161.8 %



MAT 5837

2.412 MeV (n,n') Level
Cross Section

58-Ce-140
-94.08 To 194.6 %



15

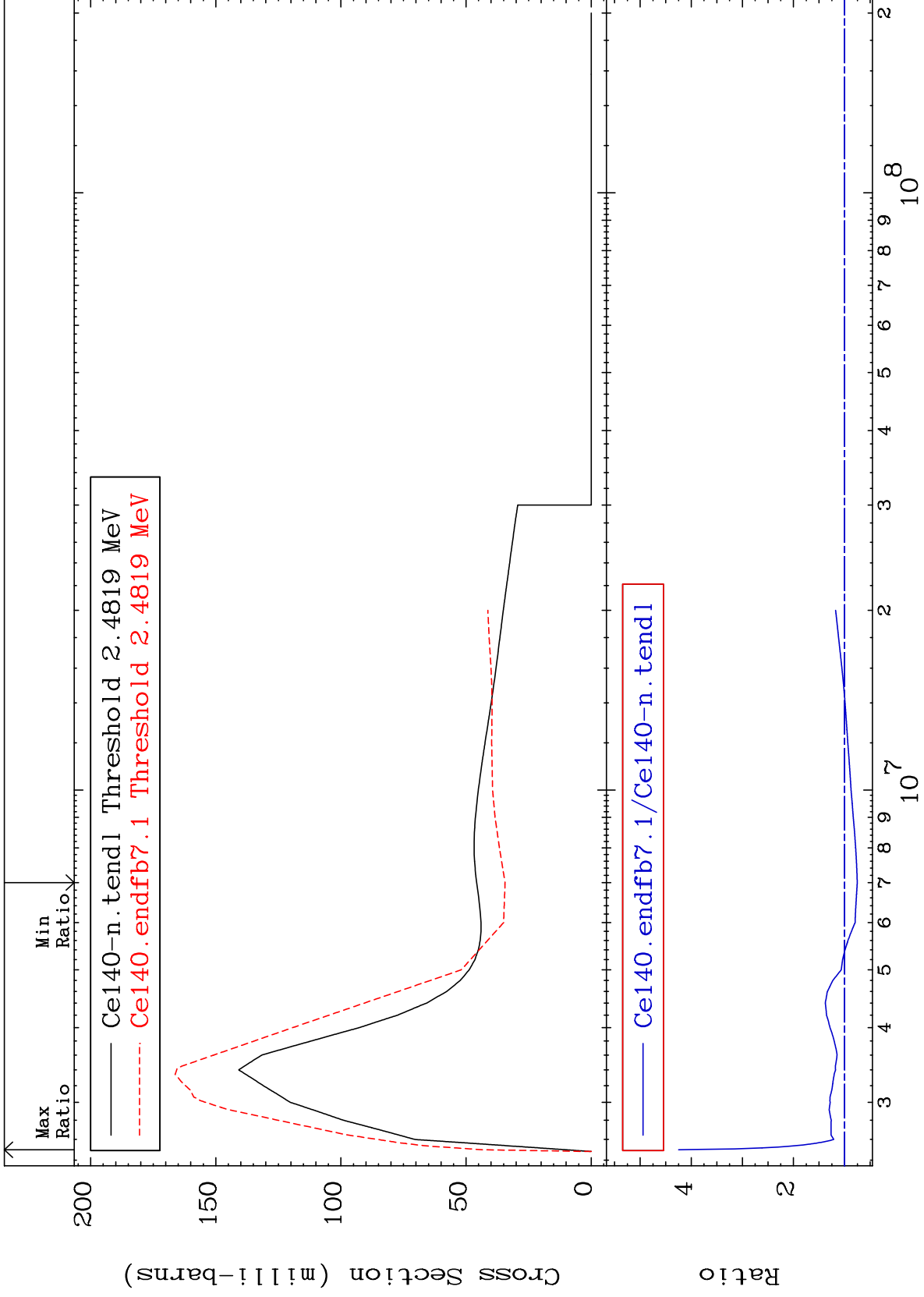
Incident Energy (eV)

58-Ce-140

MAT 5837

2.464 MeV (n,n') Level
Cross Section

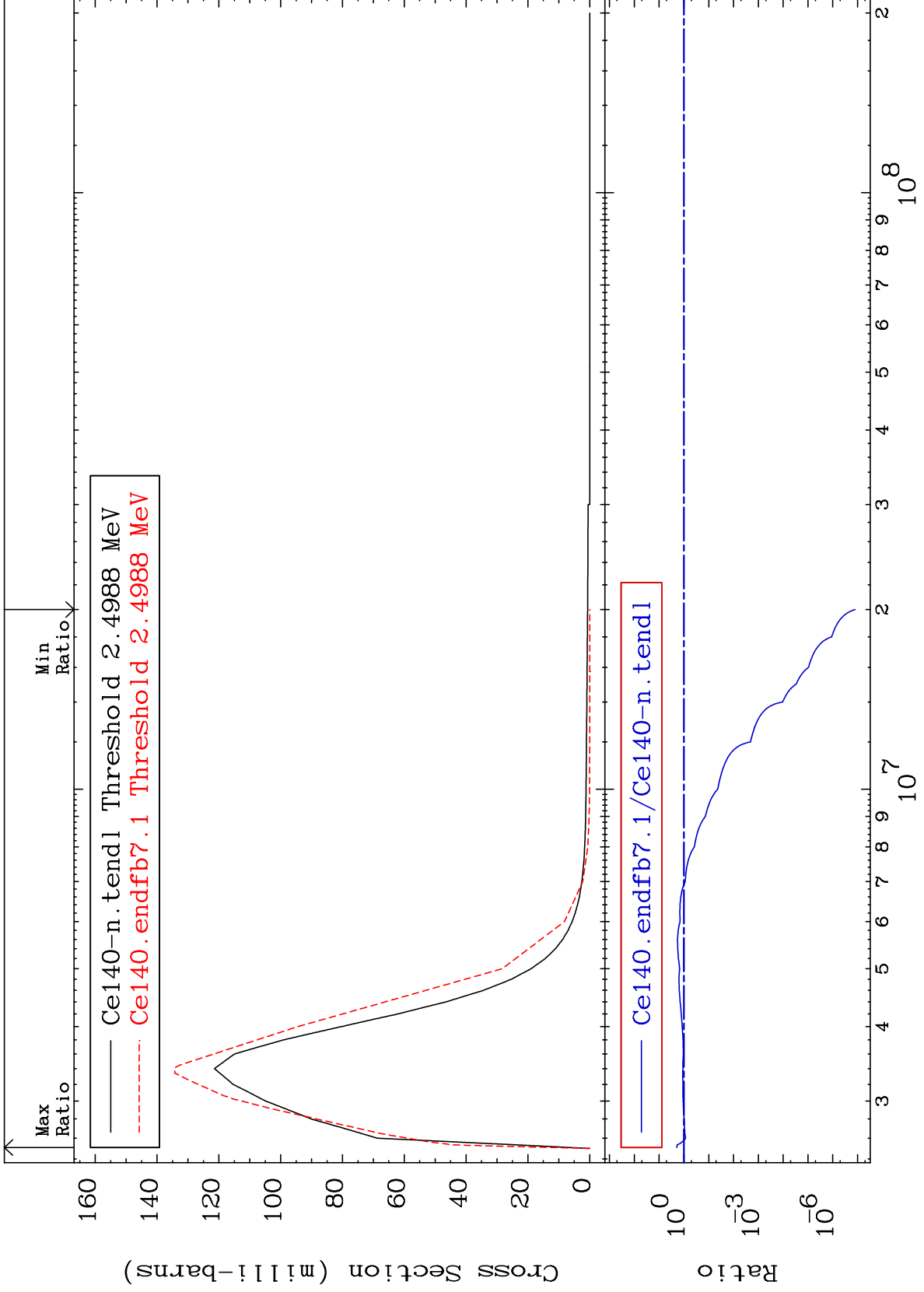
58-Ce-140
-24.79 To 324.7 %



MAT 5837

2.481 MeV (n,n') Level
Cross Section

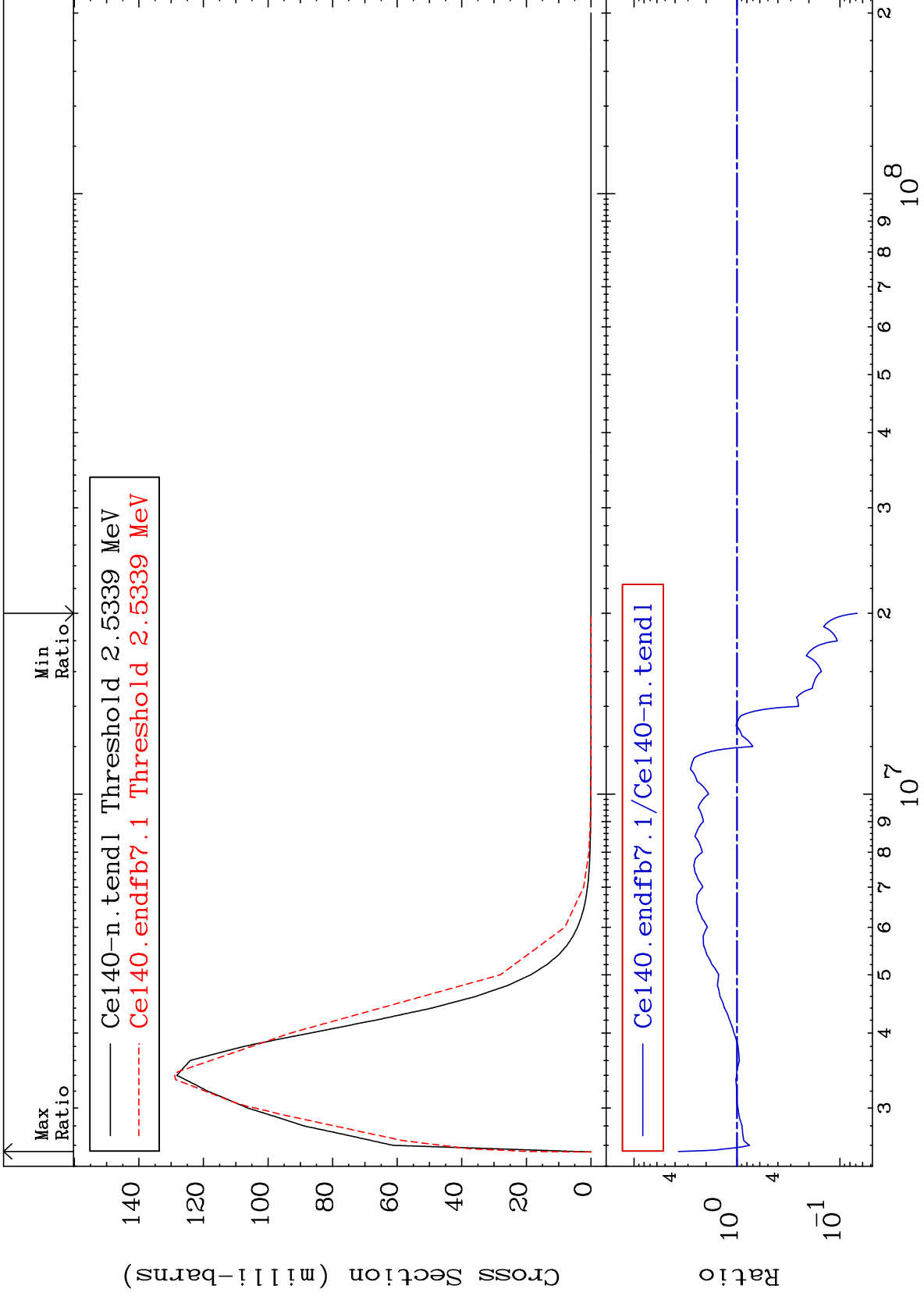
58-Ce-140
-100.0 To 91.42 %



MAT 5837

2.516 MeV (n,n') Level
Cross Section

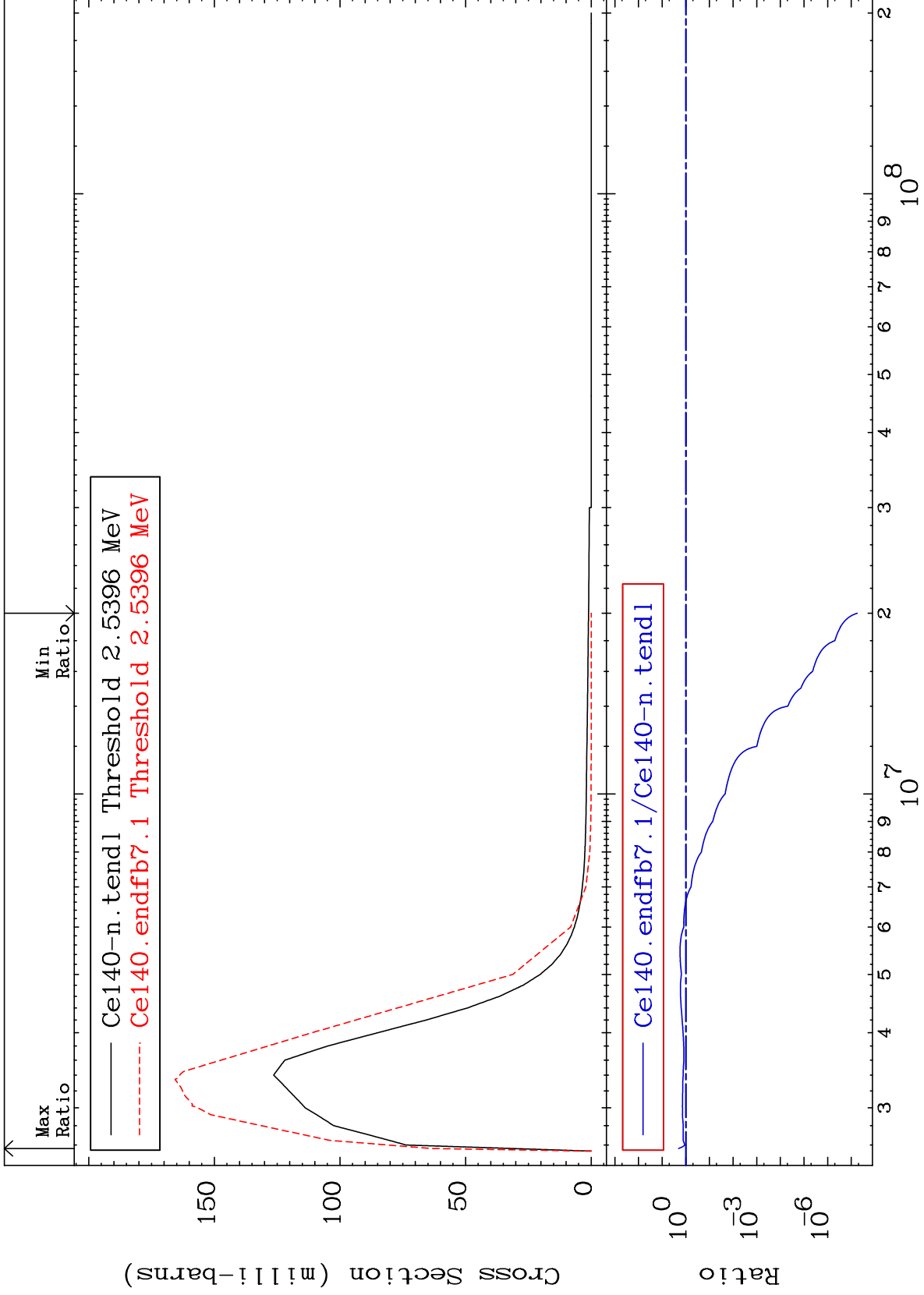
58-Ce-140
-93.22 To 270.8 %



MAT 5837

2.521 MeV (n,n') Level
Cross Section

58-Ce-140
-100.0 To 100.6 %



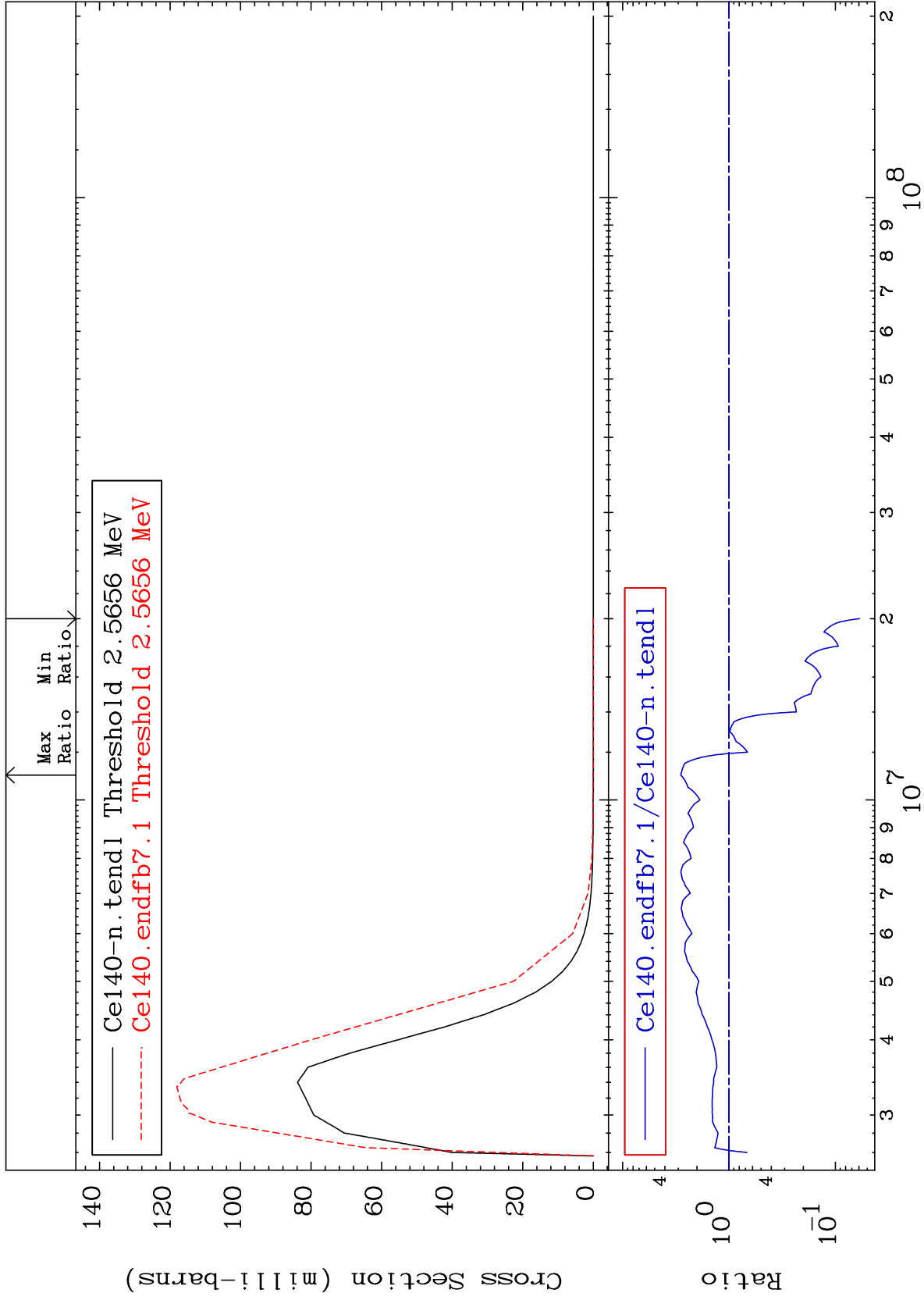
MAT 5837

2.547 MeV (n,n') Level

58-Ce-140

-94.08 To 184.3 %

Cross Section



20

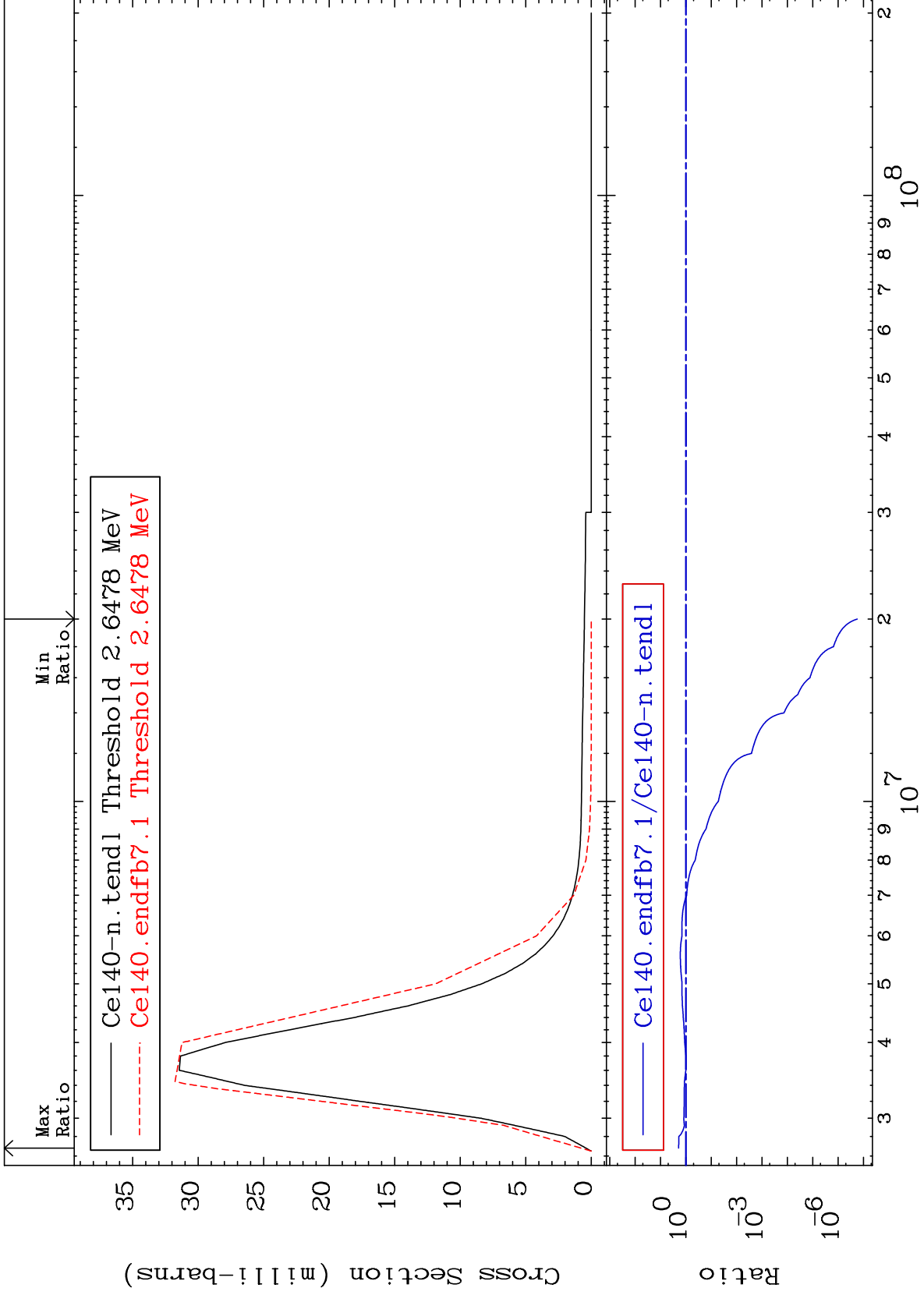
Incident Energy (eV)

58-Ce-140

MAT 5837

2.629 MeV (n,n') Level
Cross Section

58-Ce-140
-100.0 To 93.09 %



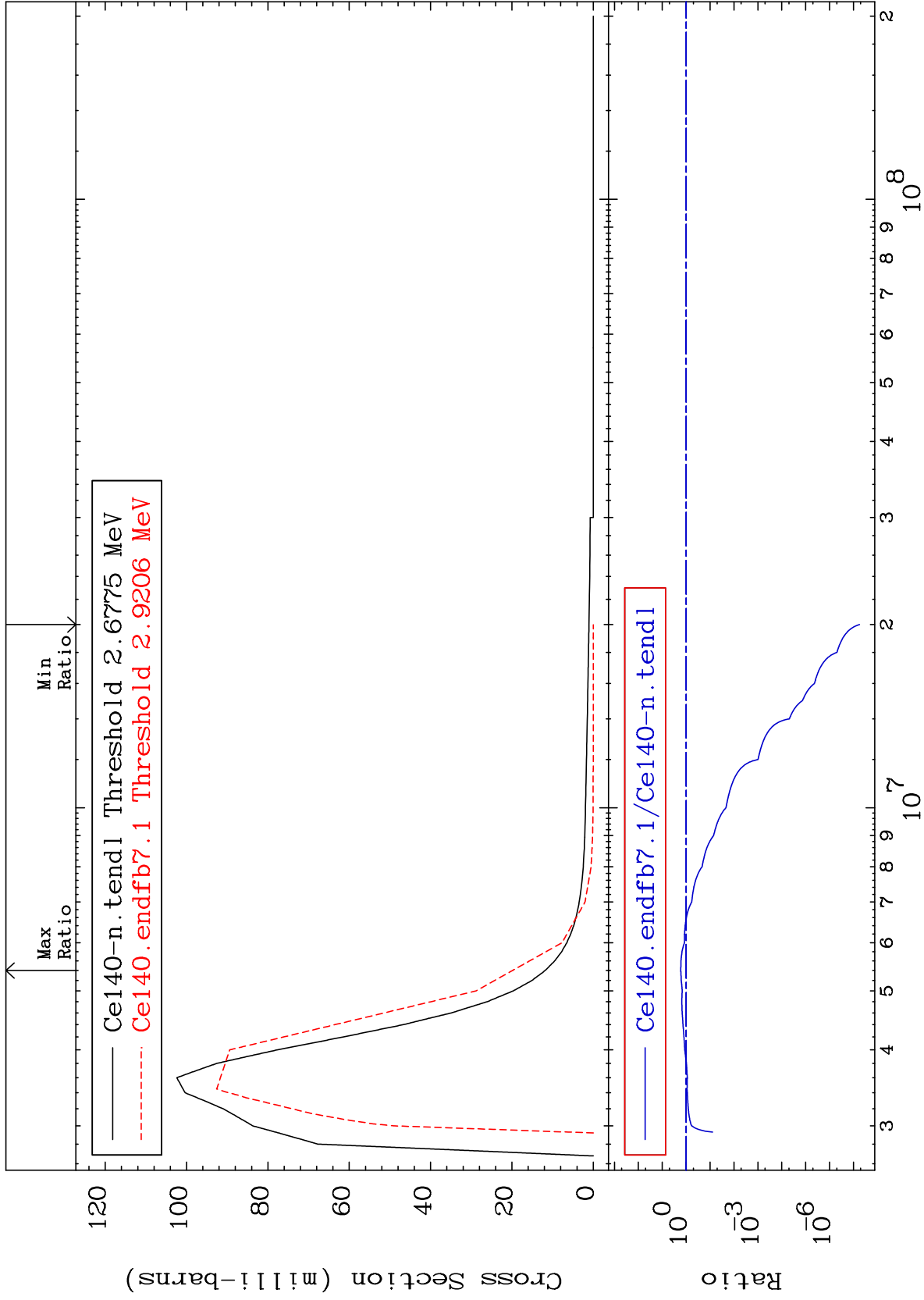
MAT 5837

2.658 MeV (n,n') Level

58-Ce-140

-100.0 To 68.08 %

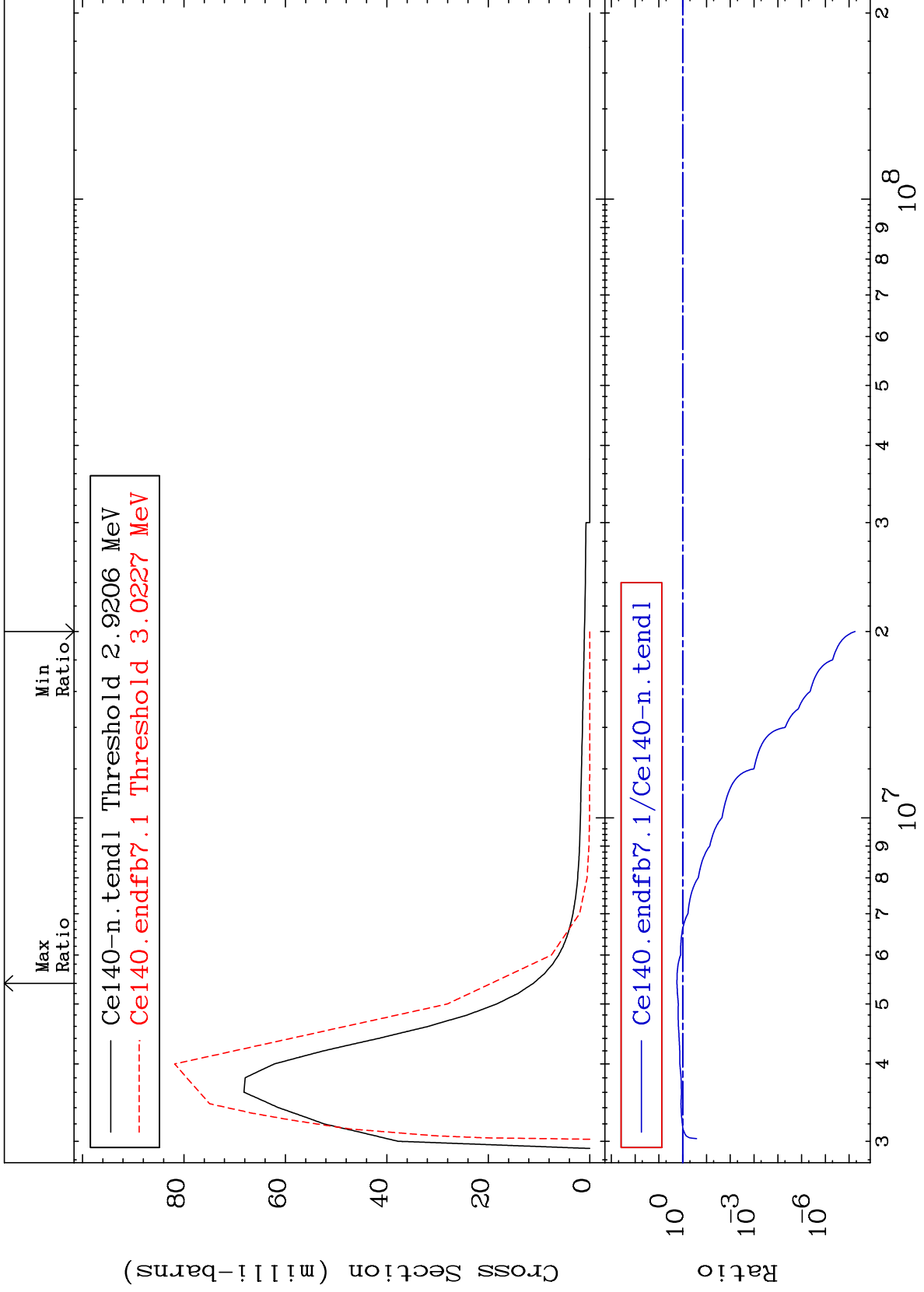
Cross Section



MAT 5837

2.900 MeV (n,n') Level
Cross Section

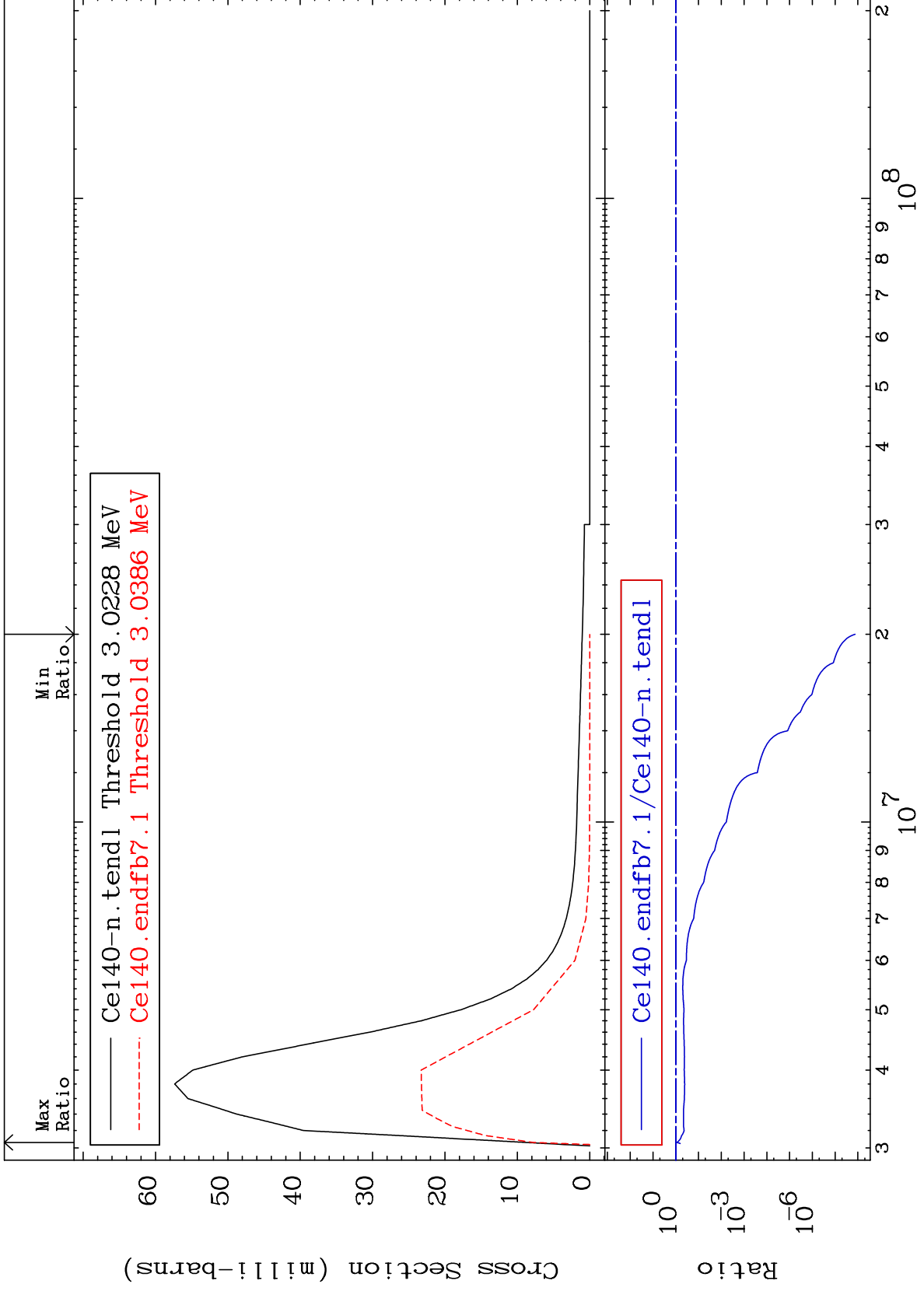
58-Ce-140
-100.0 To 74.82 %



MAT 5837

3.001 MeV (n,n') Level
Cross Section

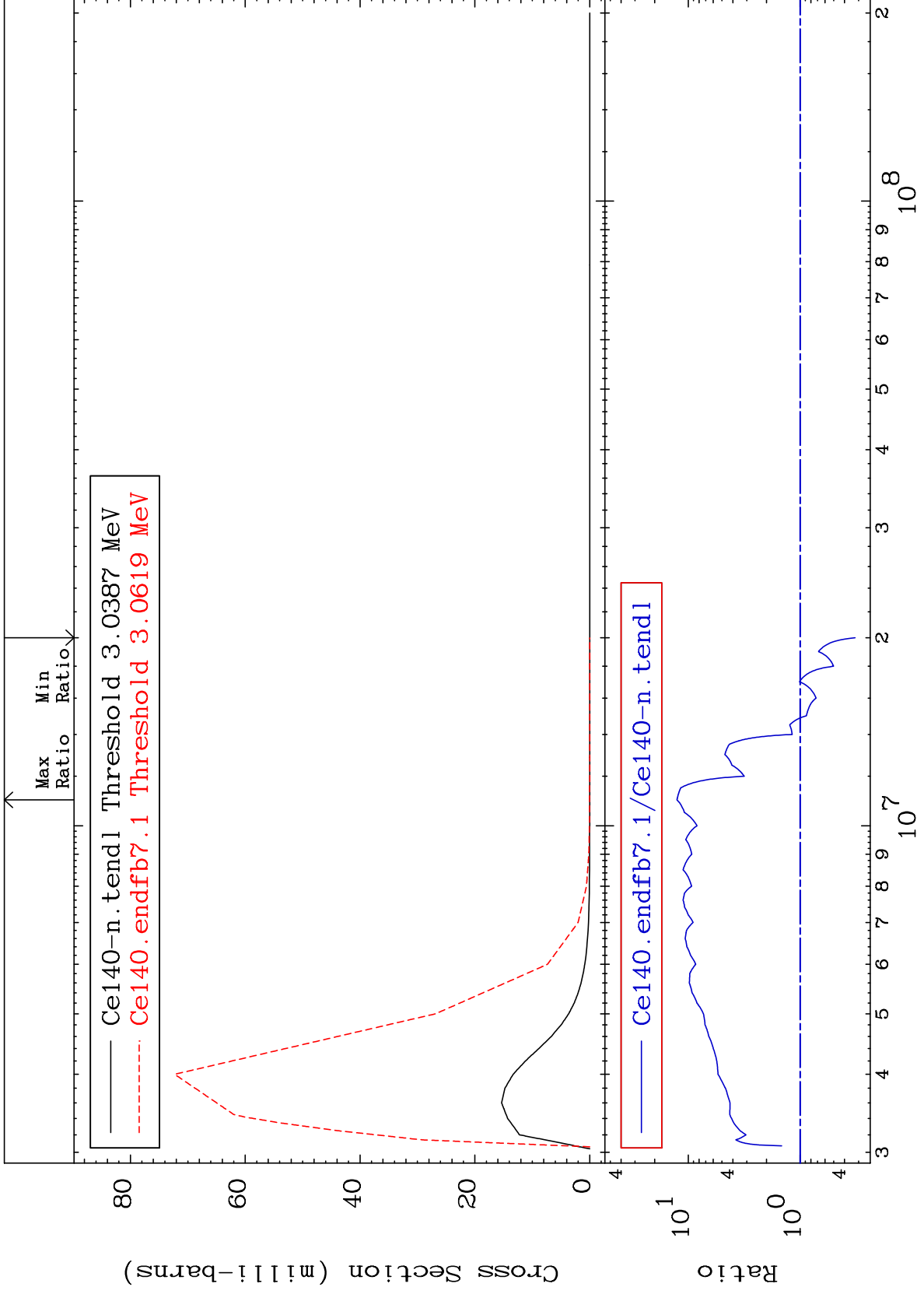
58-Ce-140
-100.0 To -11.19%



MAT 5837

3.017 MeV (n,n') Level
Cross Section

58-Ce-140
-67.77 To 1165. %



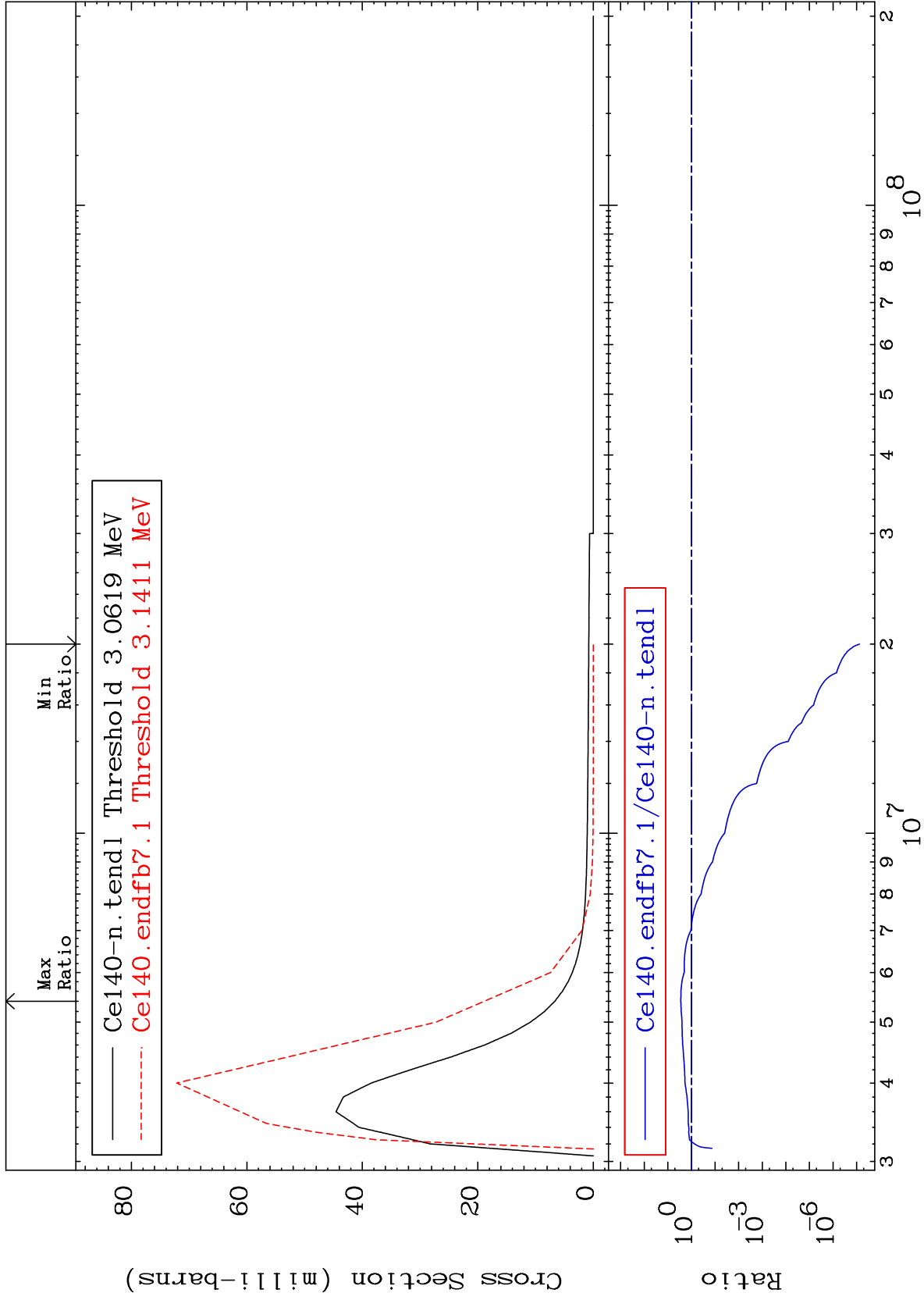
MAT 5837

3.040 MeV (n,n') Level

58-Ce-140

-100.0 To 183.4 %

Cross Section



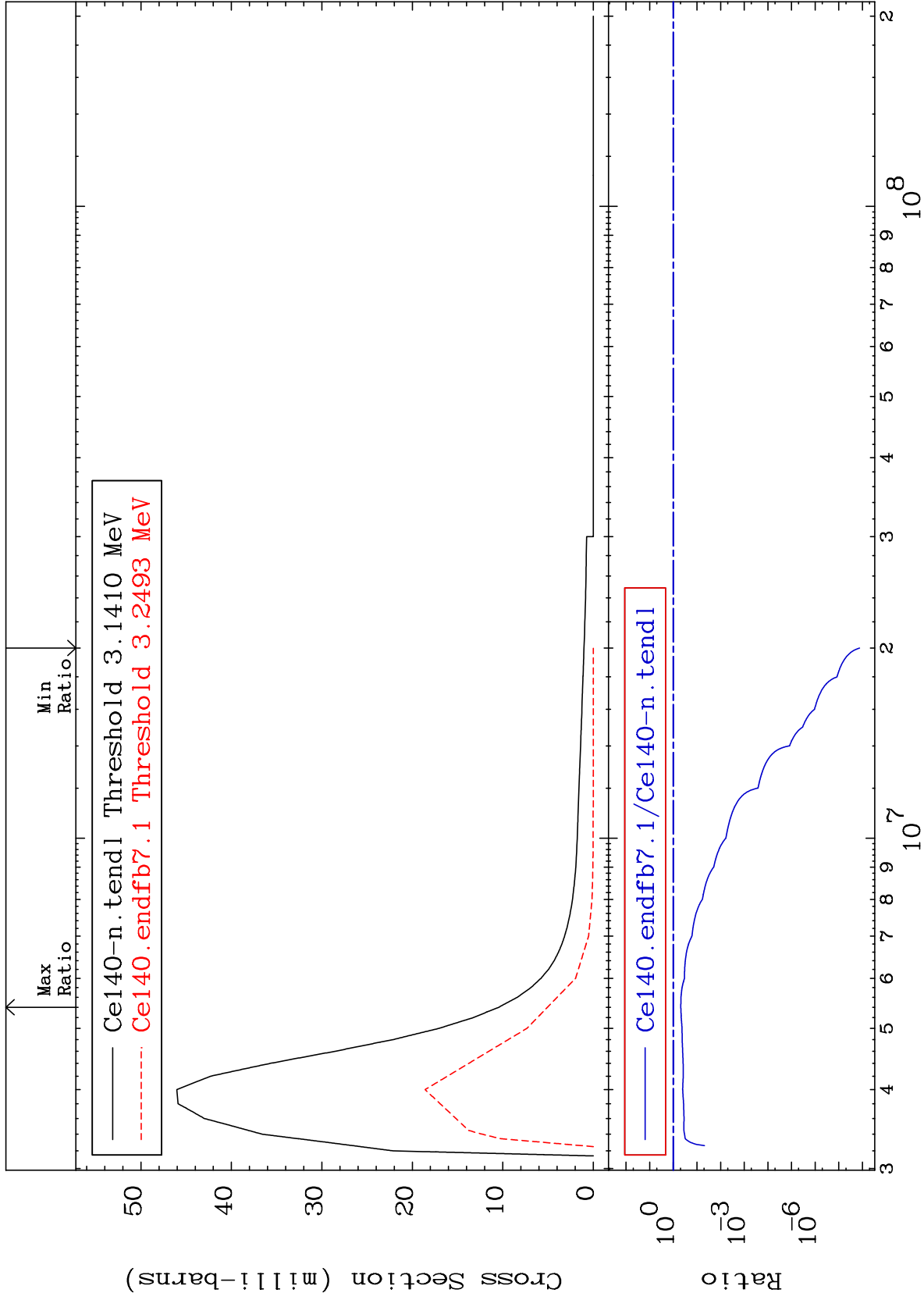
MAT 5837

3.119 MeV (n,n') Level

58-Ce-140

-100.0 To -51.55%

Cross Section



27

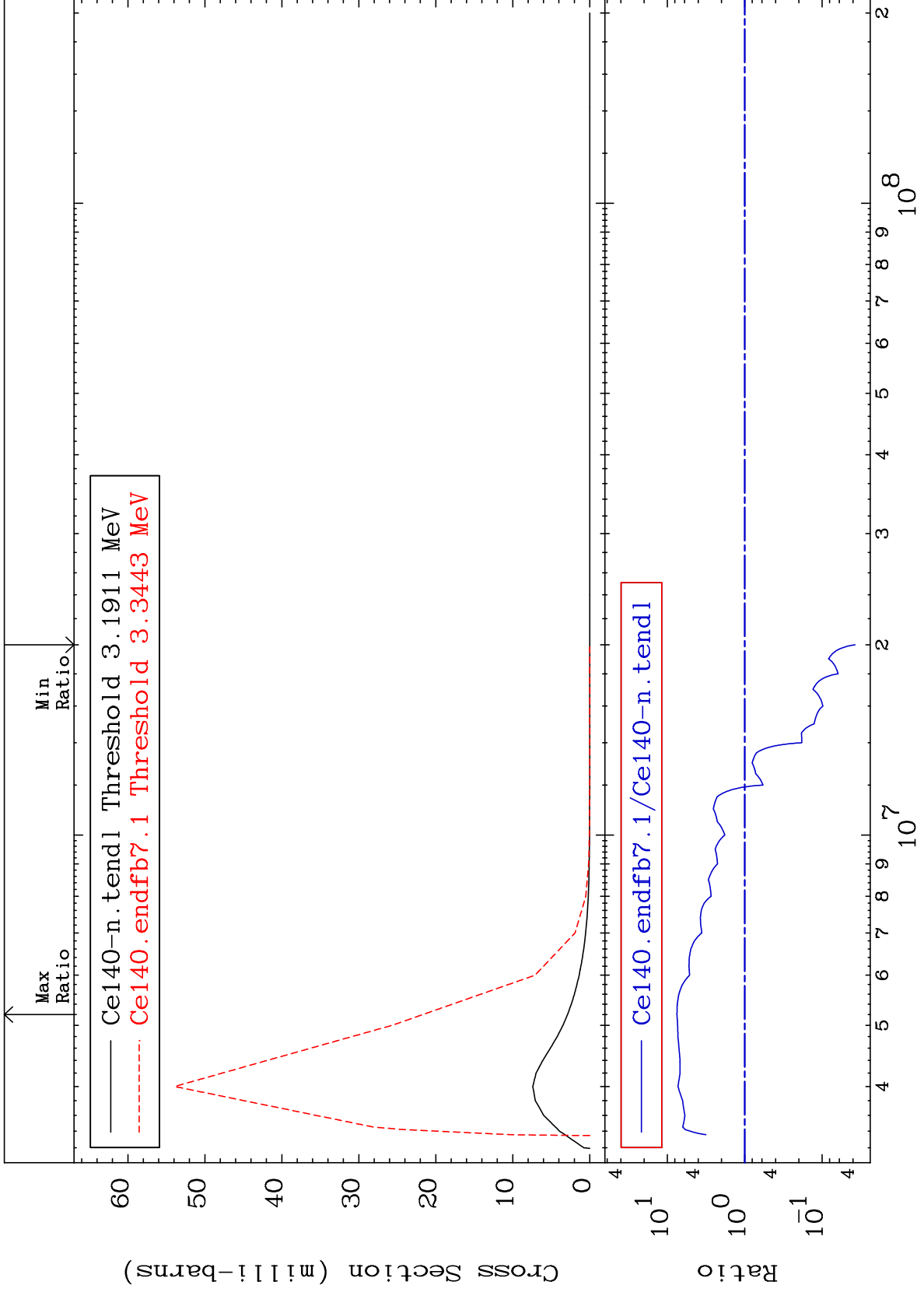
Incident Energy (eV)

58-Ce-140

MAT 5837

3.168 MeV (n,n') Level
Cross Section

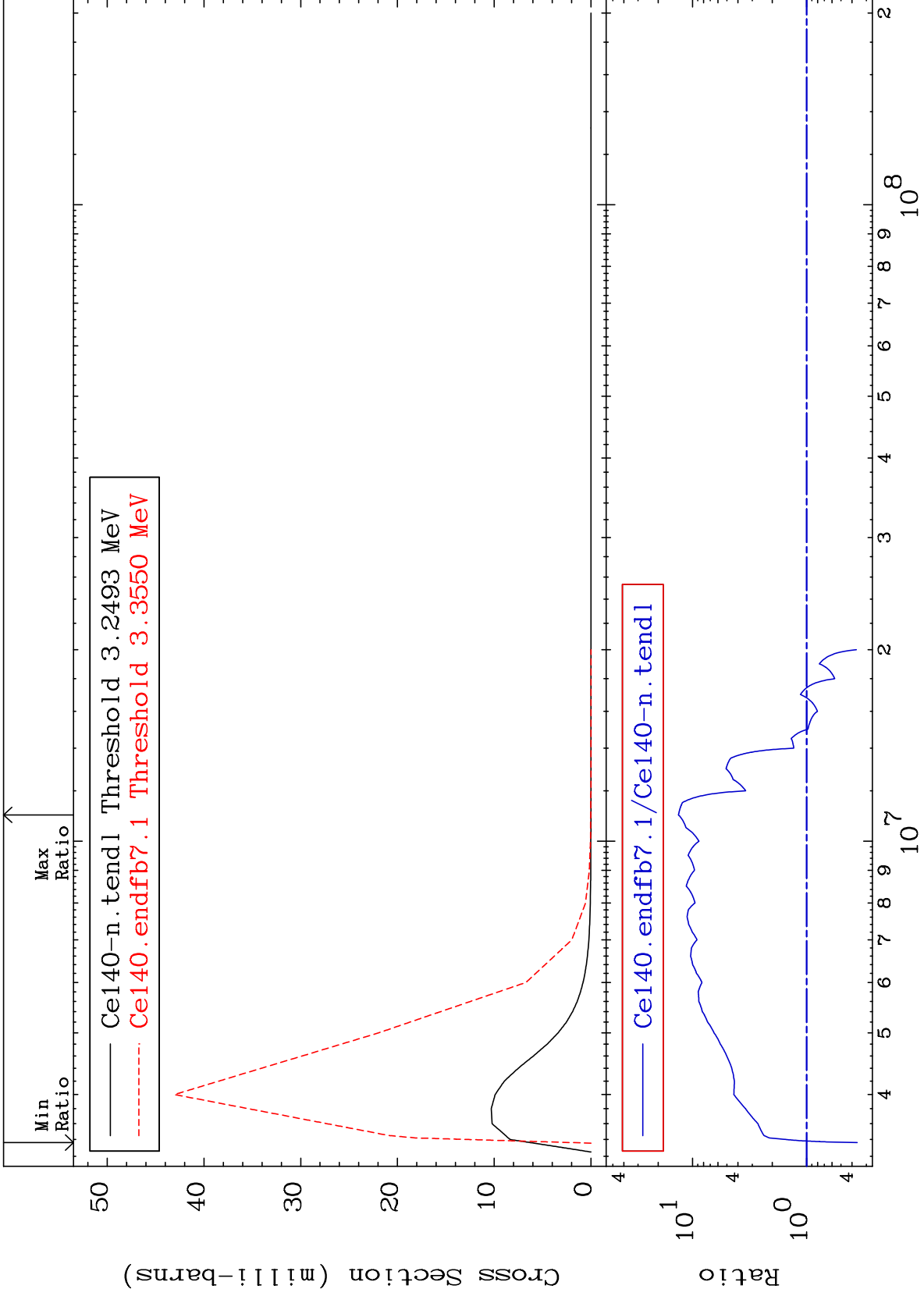
58-Ce-140
-96.25 To 653.1 %



MAT 5837

3.226 MeV (n,n') Level
Cross Section

58-Ce-140
-63.93 To 1230. %



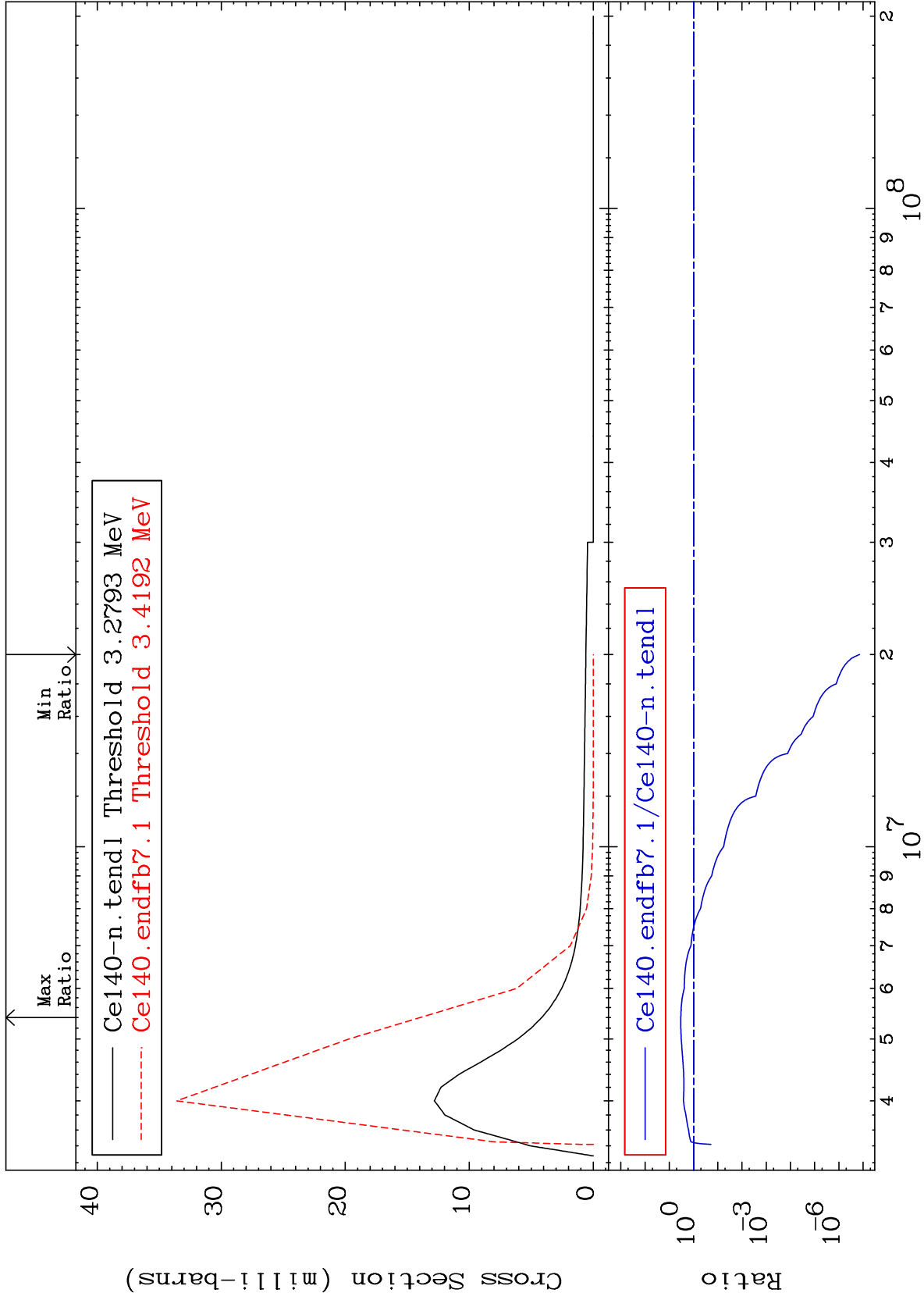
MAT 5837

3.256 MeV (n,n') Level

58-Ce-140

-100.0 To 236.2 %

Cross Section



30

Incident Energy (eV)

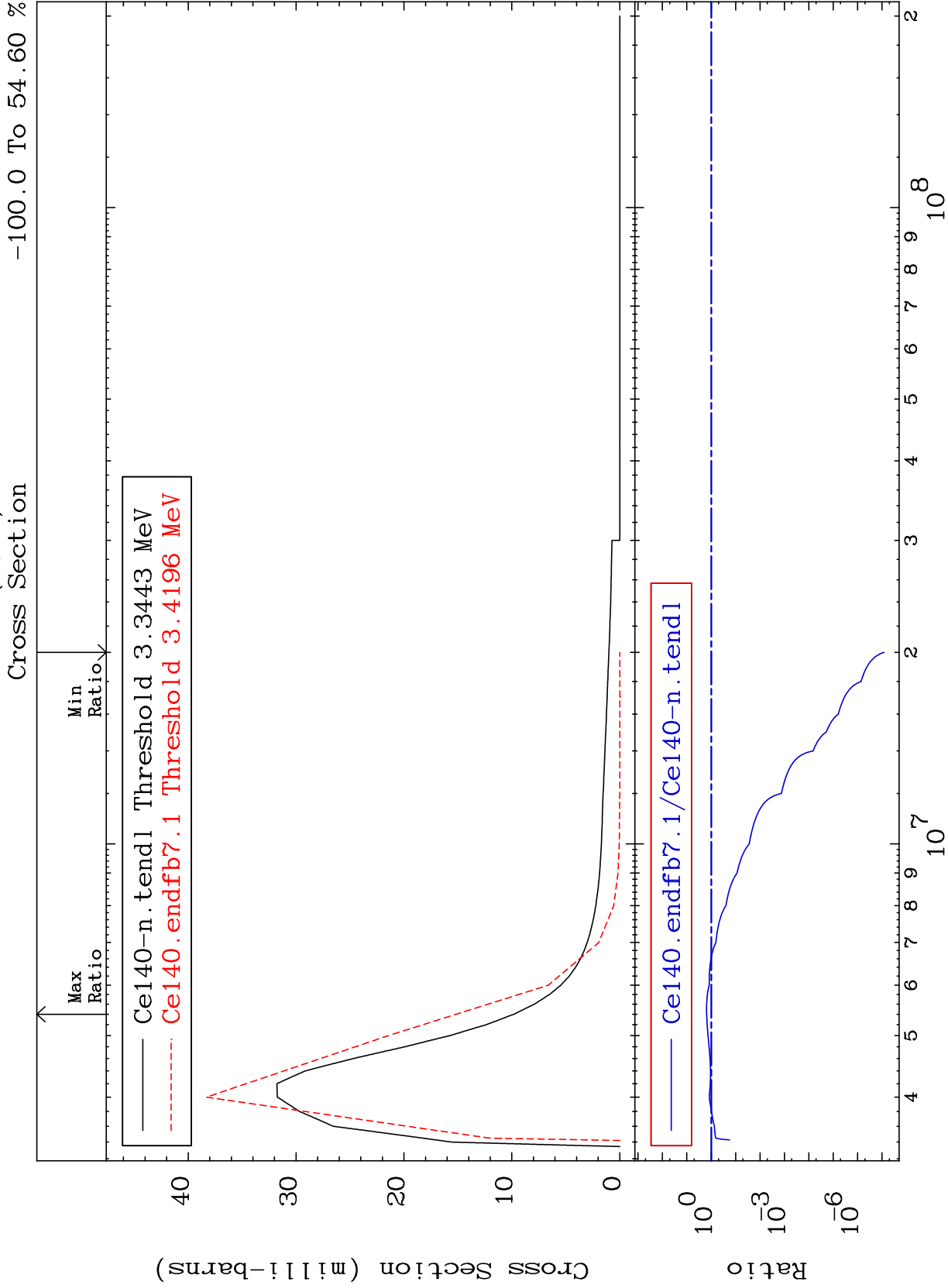
58-Ce-140

MAT 5837

3.320 MeV (n,n') Level

58-Ce-140

-100.0 To 54.60 %



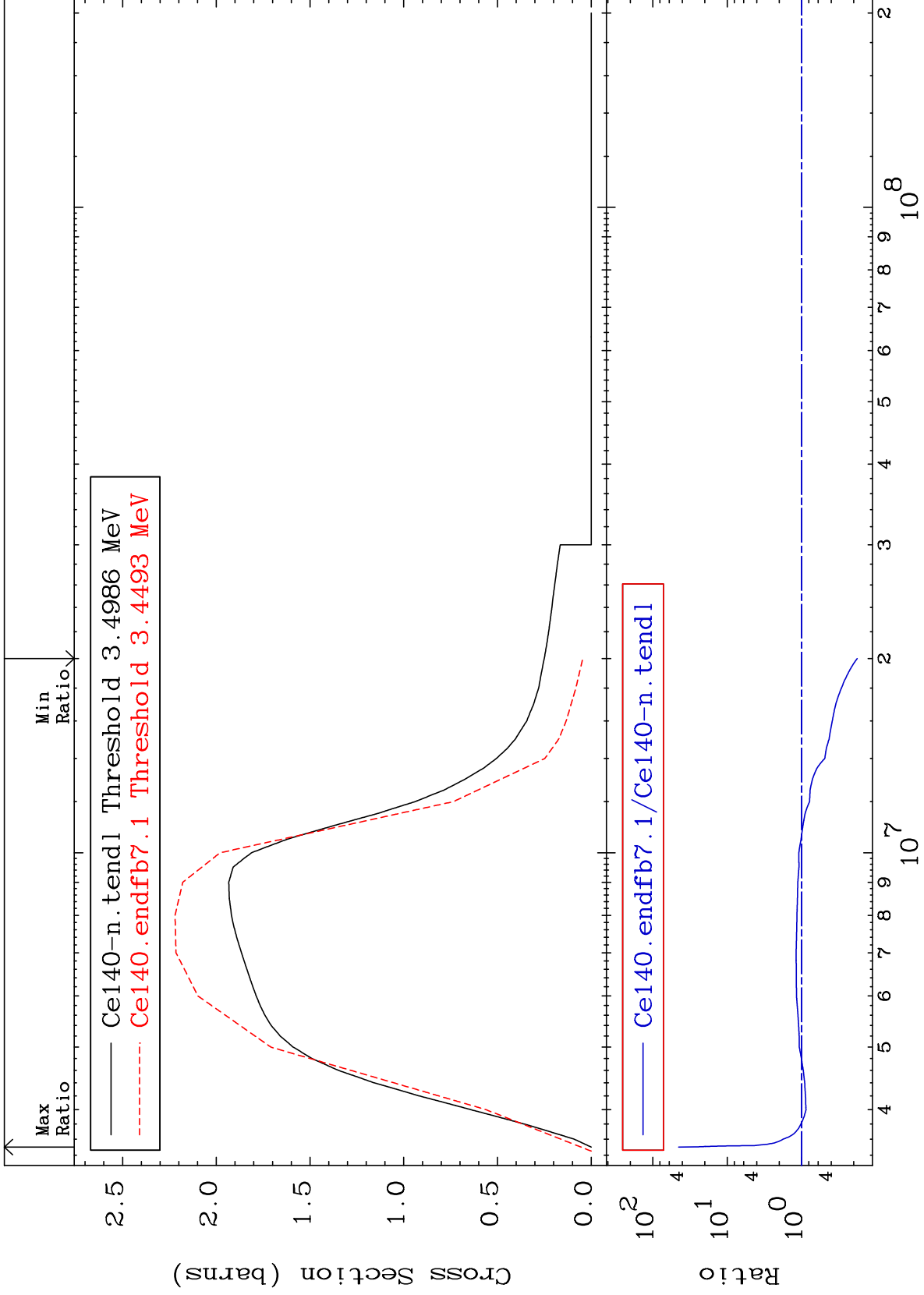
31

58-Ce-140

MAT 5837

(n, n') Continuum
Cross Section

58-Ce-140
-82.09 To 4390. %



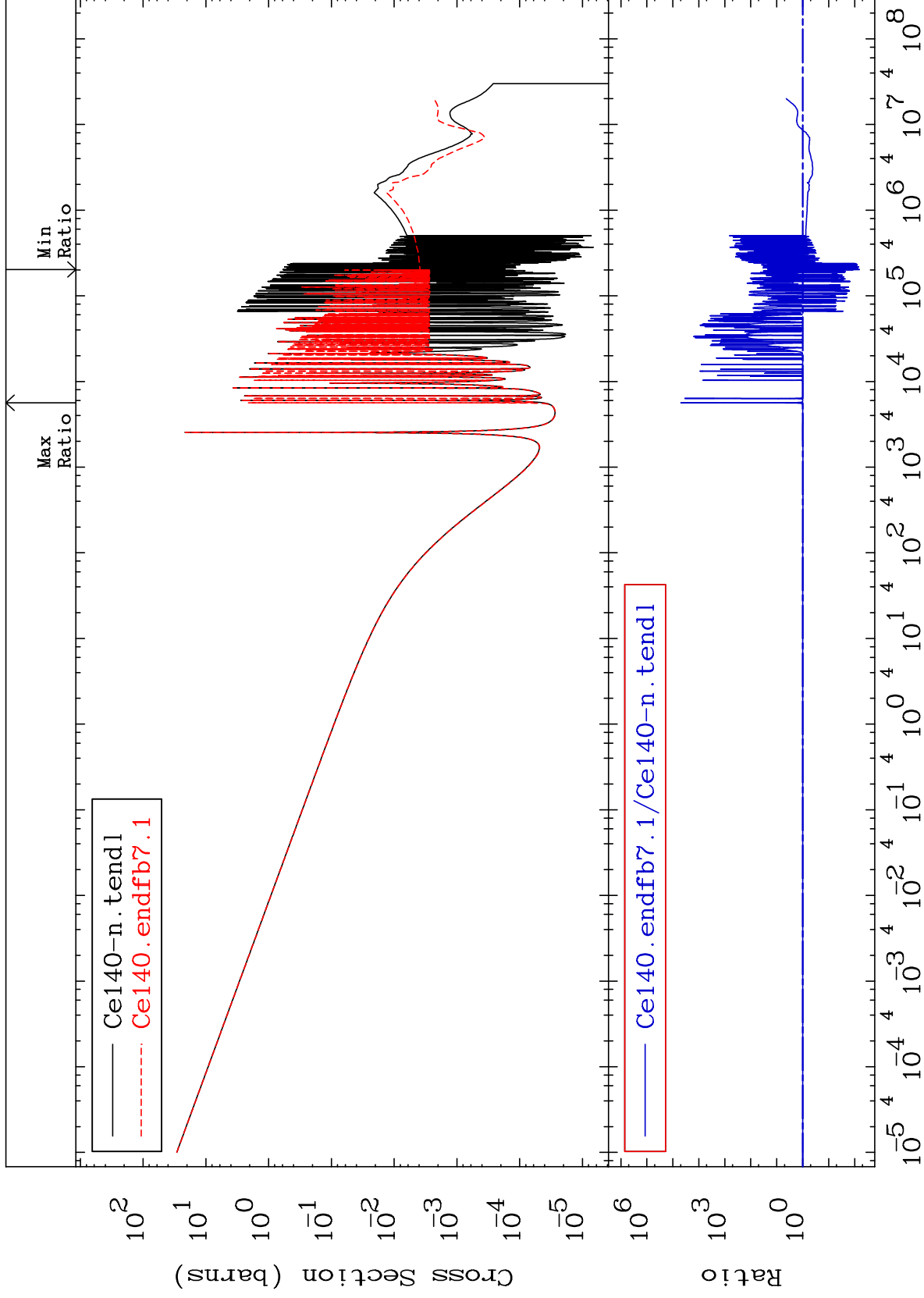
MAT 5837

(n, γ)

58-Ce-140

Cross Section

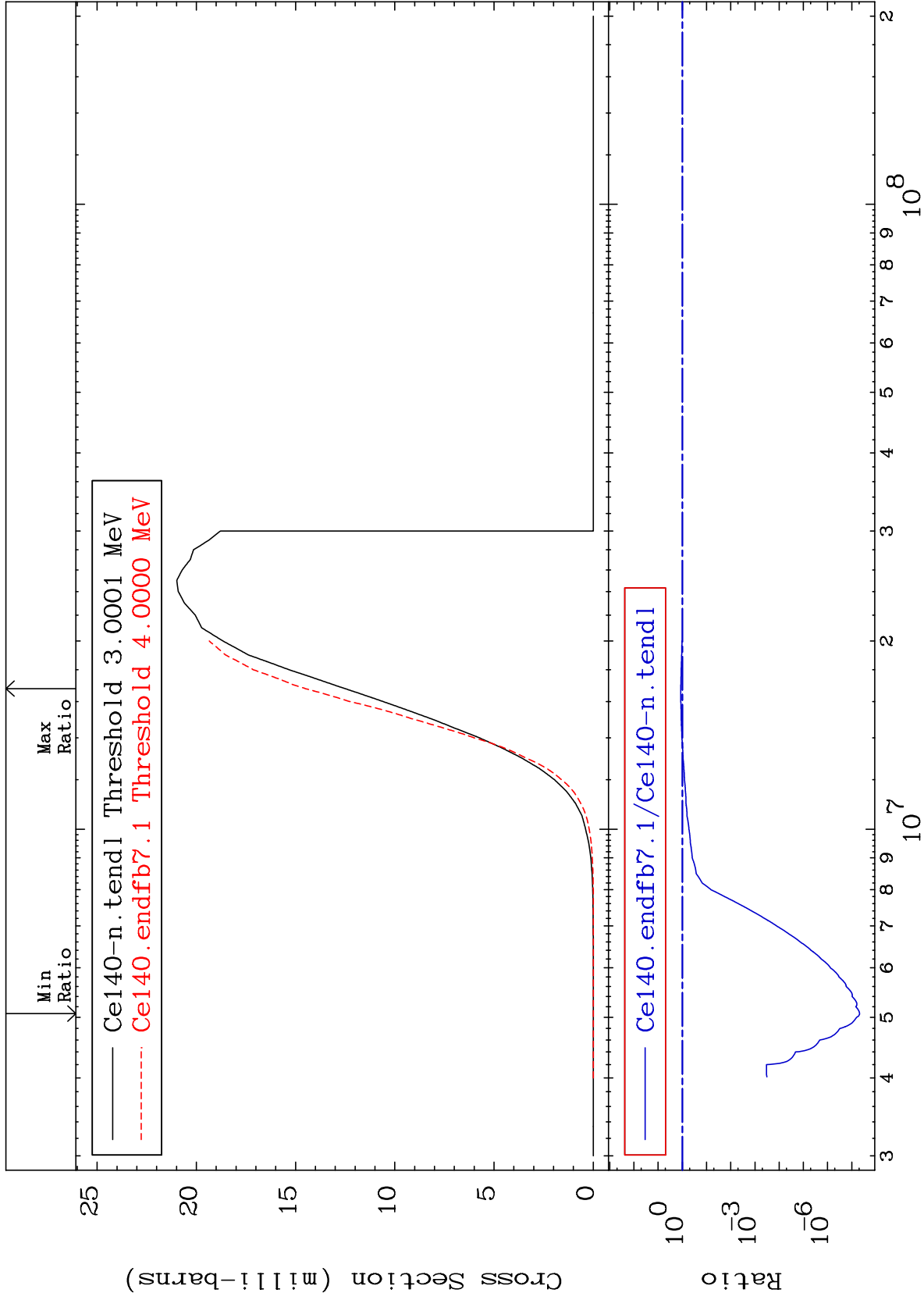
-99.35 To 9999. %



MAT 5837

58-Ce-140

(n,p)
Cross Section
-100.0 To 16.01 %



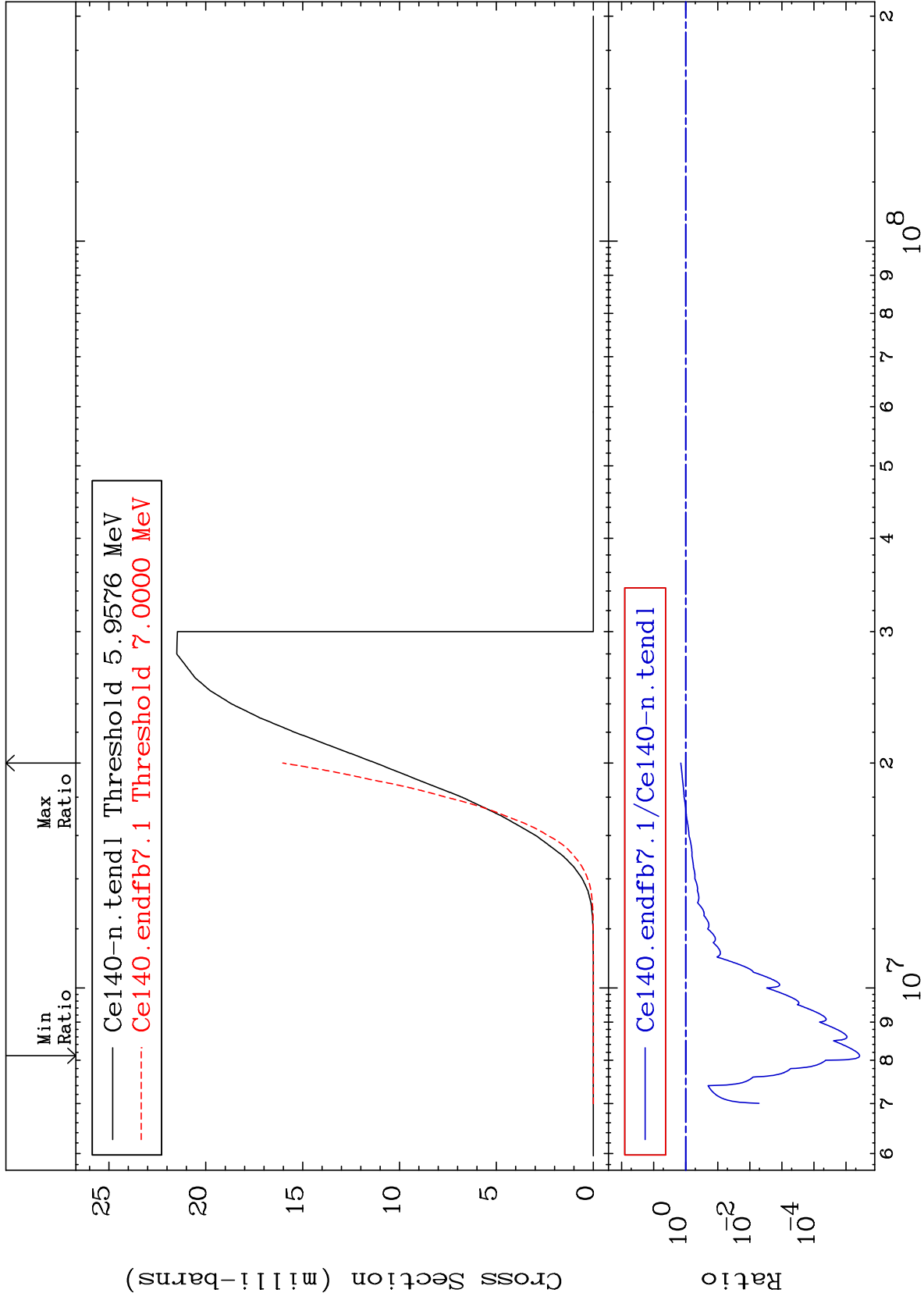
MAT 5837

(n, d)

58-Ce-140

Cross Section

-100.0 To 42.75 %



35

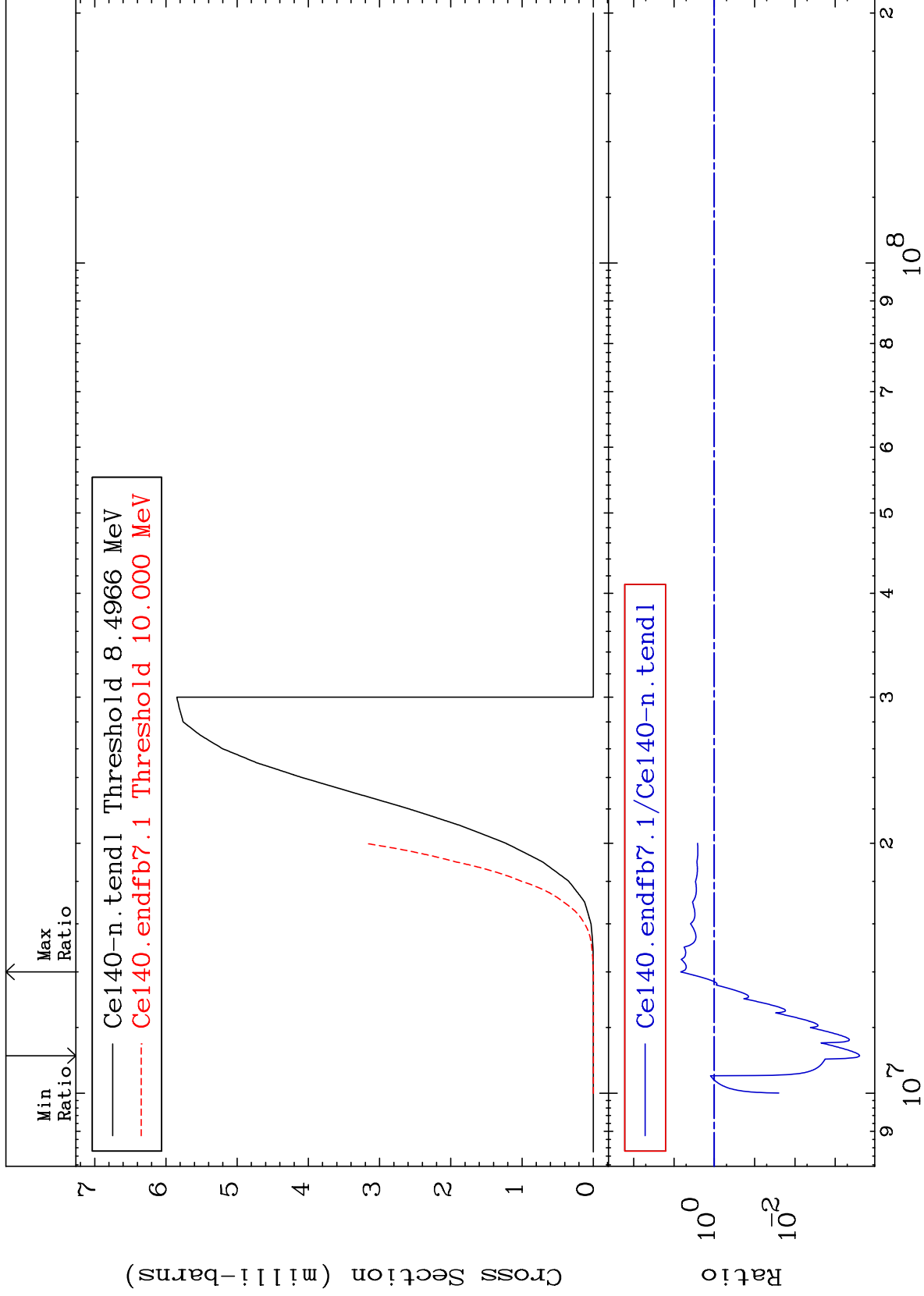
Incident Energy (eV)

58-Ce-140

MAT 5837

(n, t)
Cross Section

58-Ce-140
-99.98 To 579.8 %



36

Incident Energy (eV)

58-Ce-140

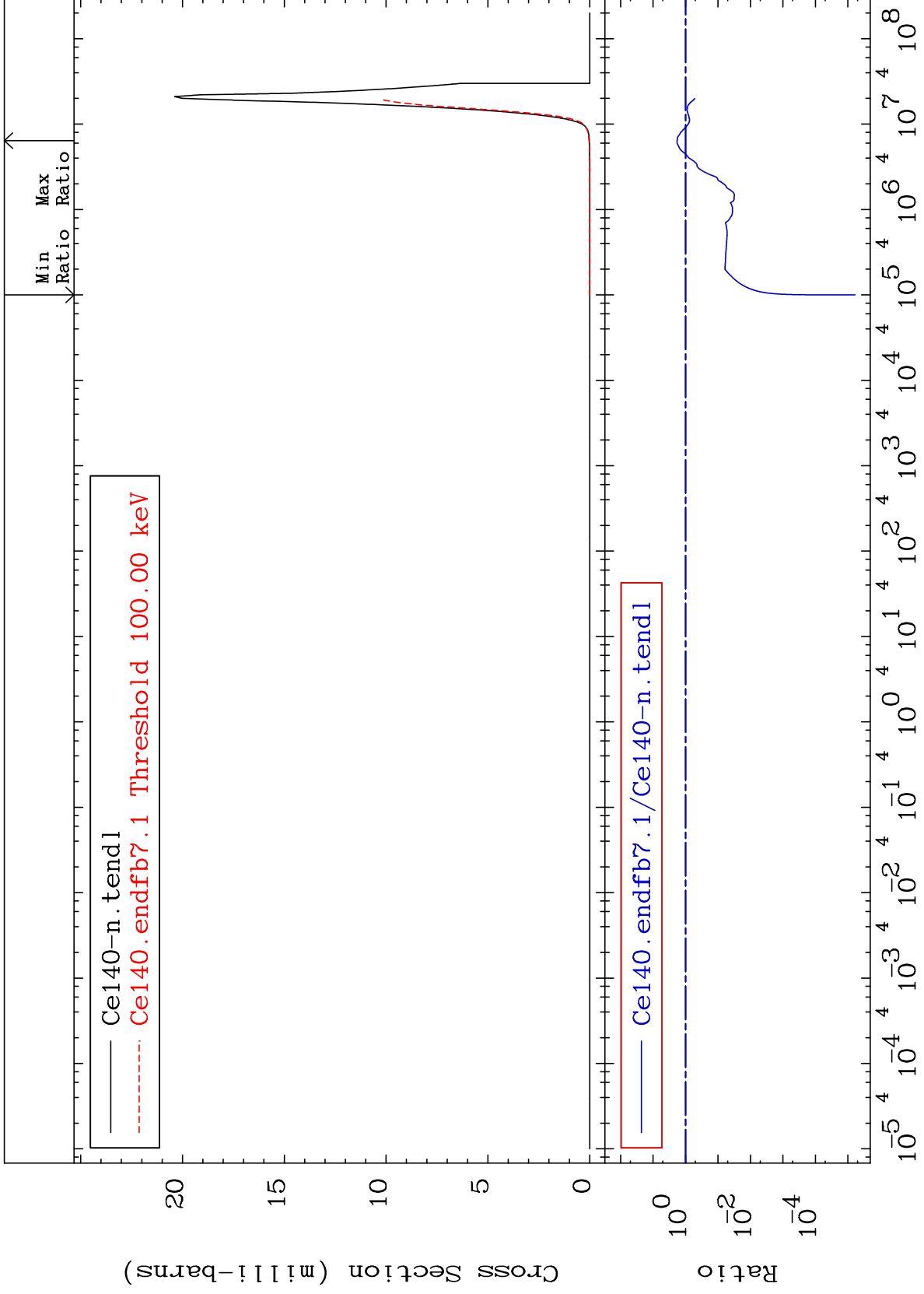
MAT 5837

(n, α)

58-Ce-140

Cross Section

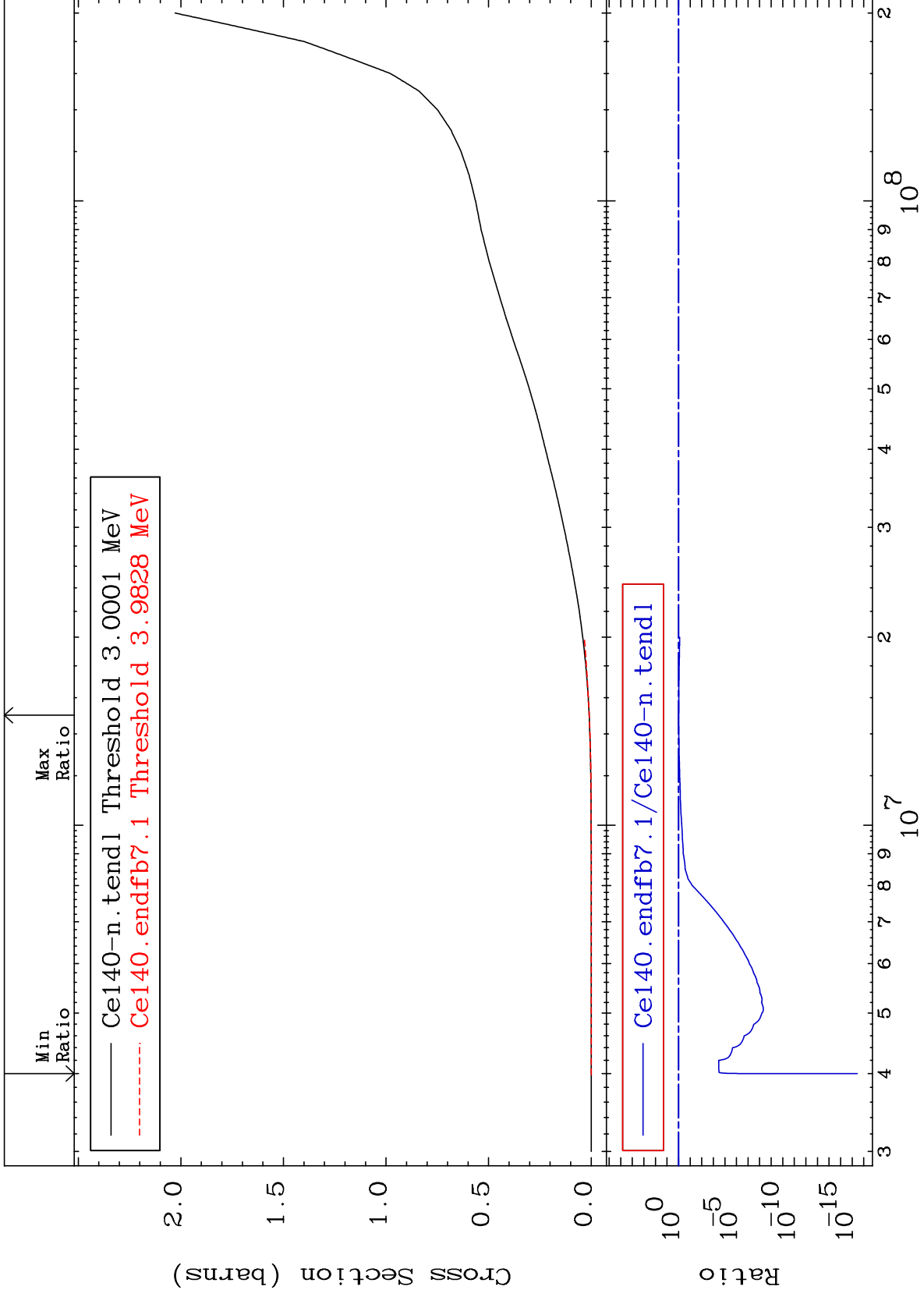
-100.0 To 84.18 %



37

Incident Energy (eV)

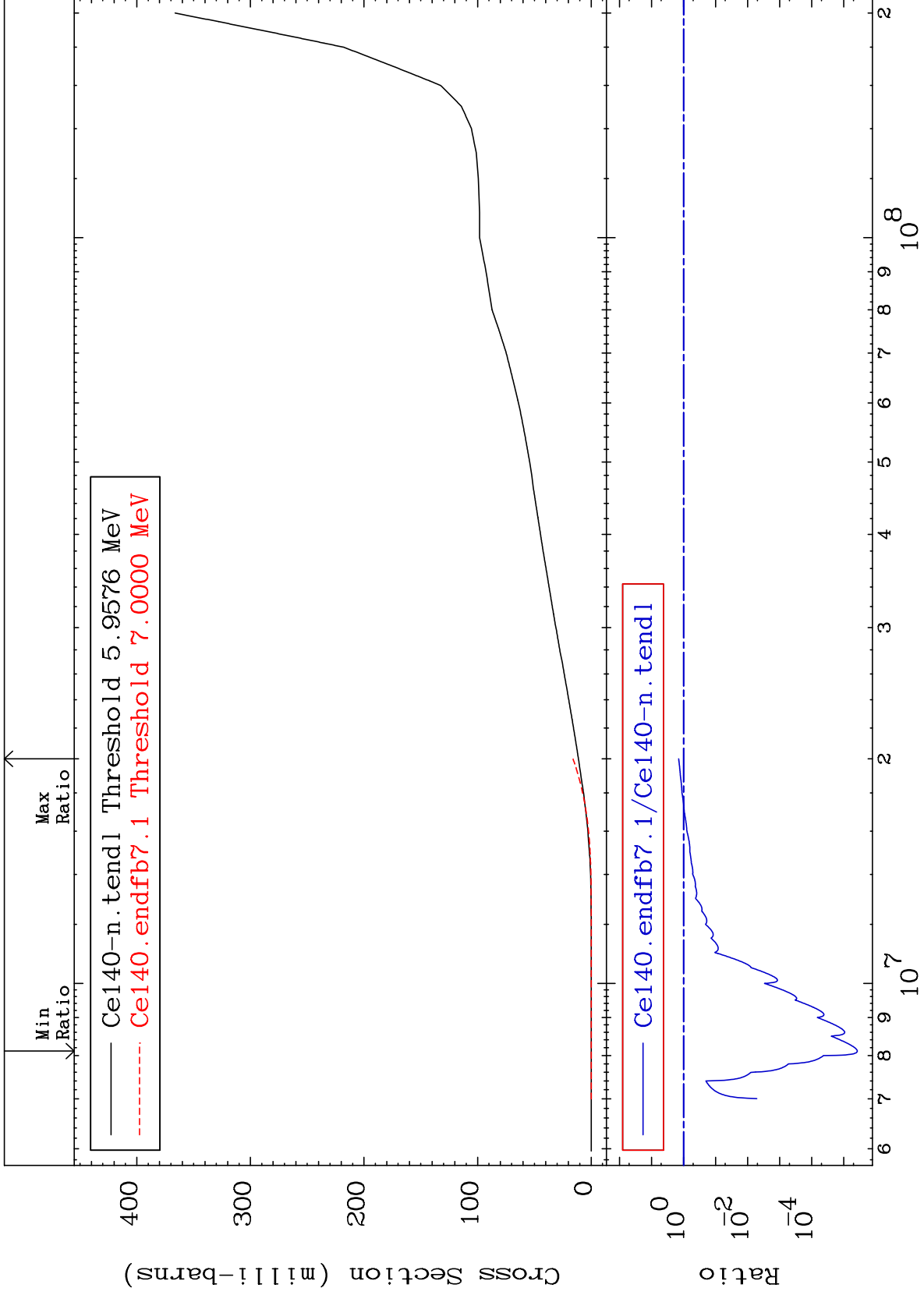
58-Ce-140



MAT 5837

Deuterium Production
Cross Section

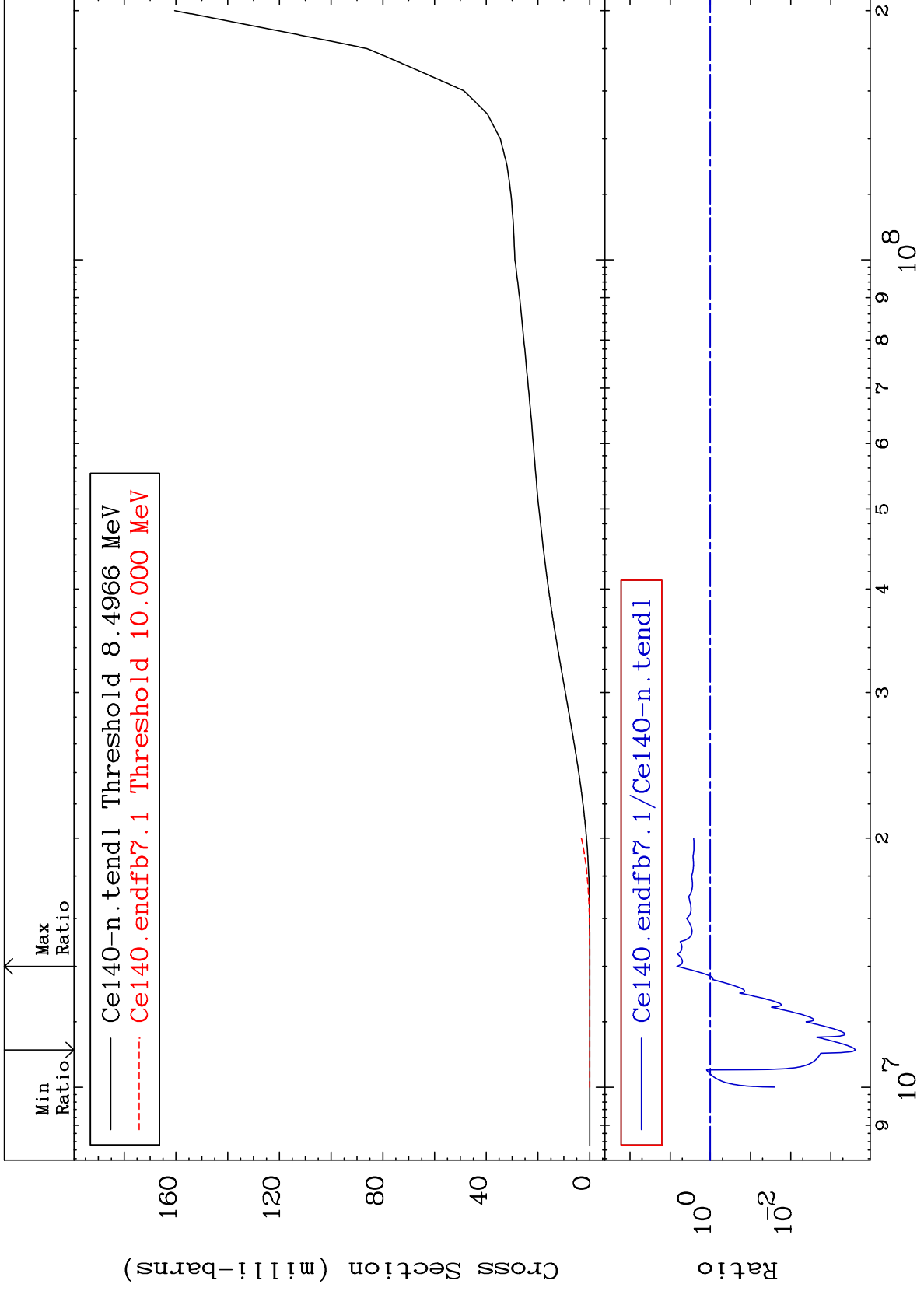
58-Ce-140
-100.0 To 42.90 %



MAT 5837

Tritium Production
Cross Section

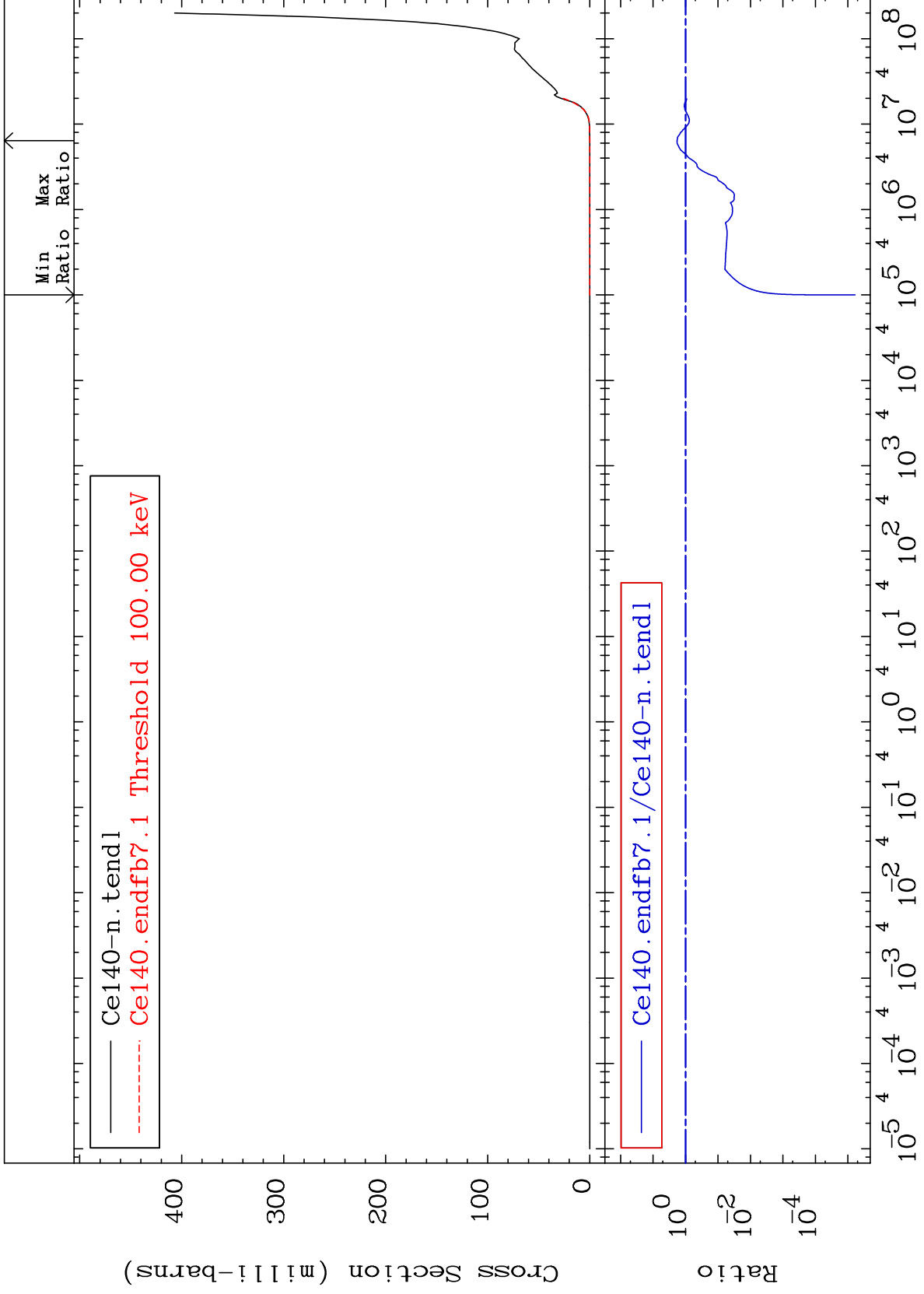
58-Ce-140
-99.98 To 579.8 %

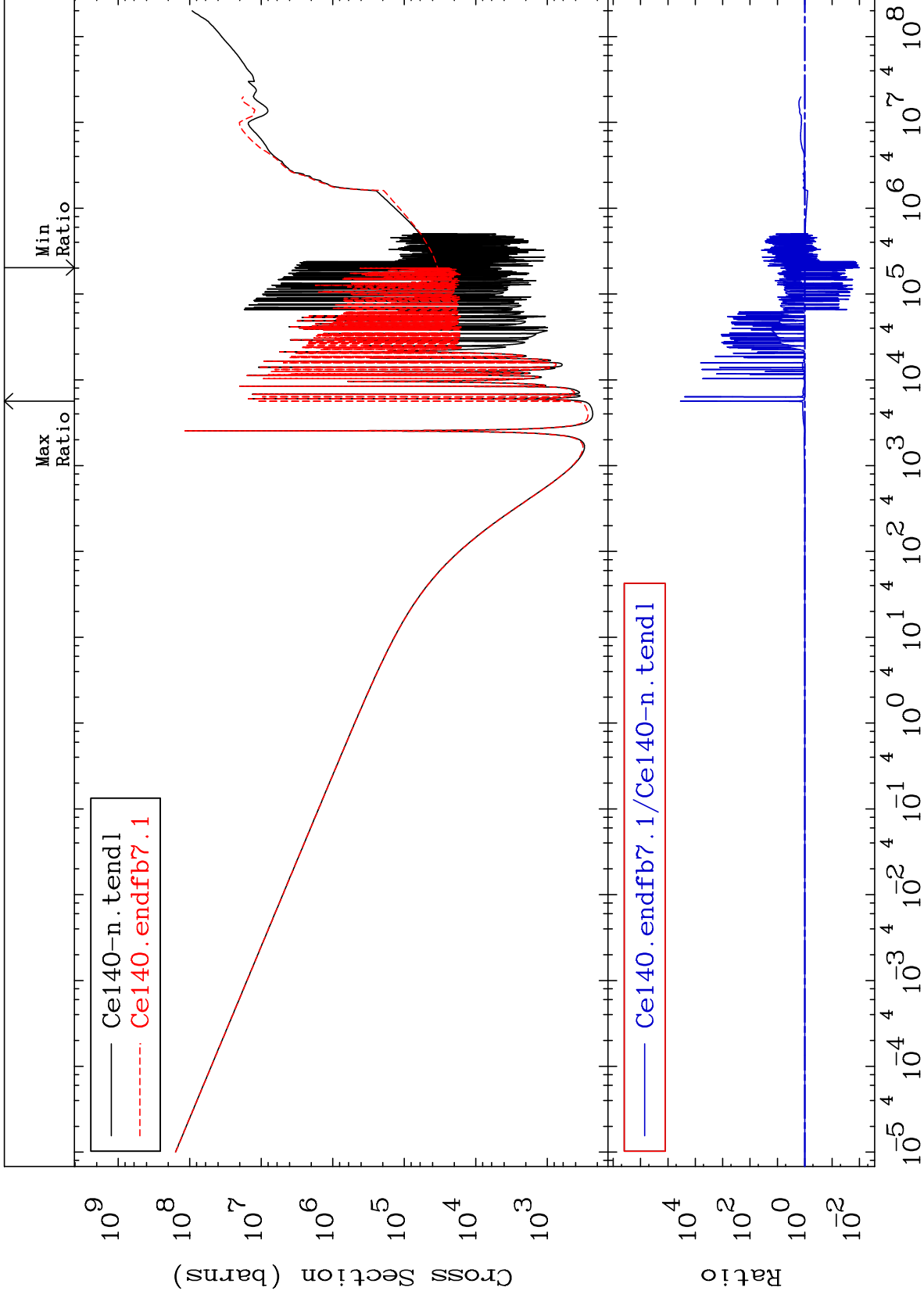


40

Incident Energy (eV)

58-Ce-140

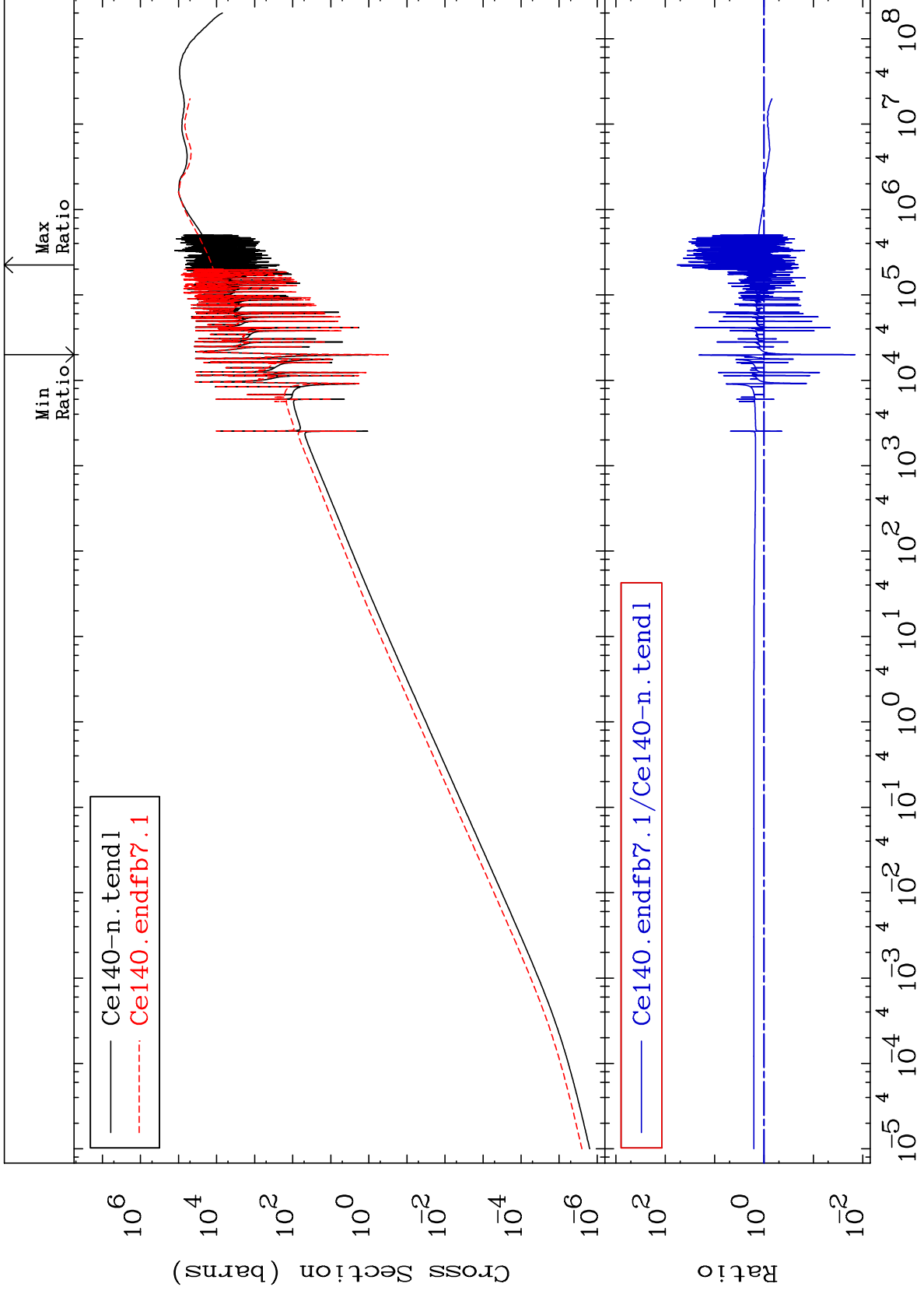


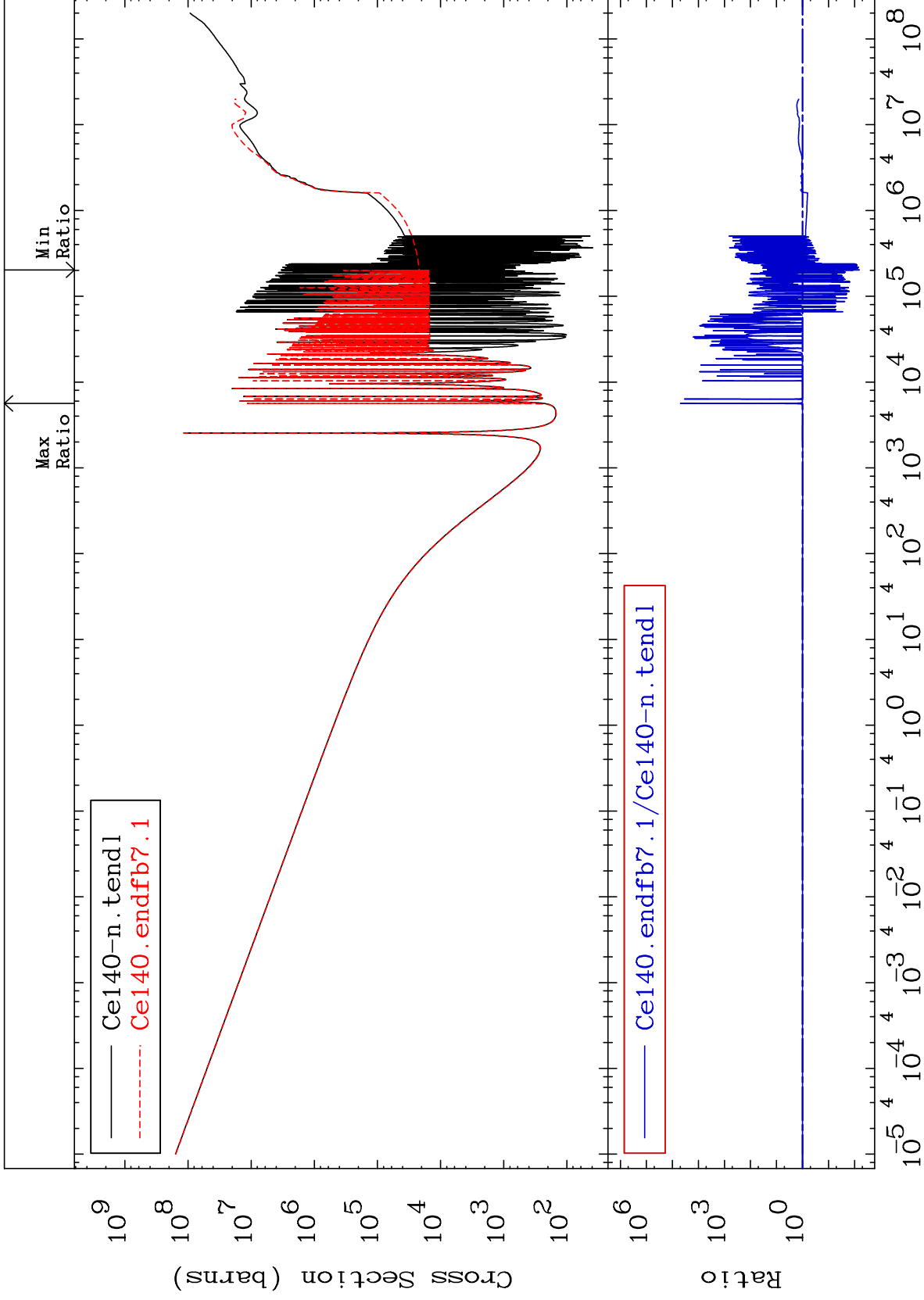


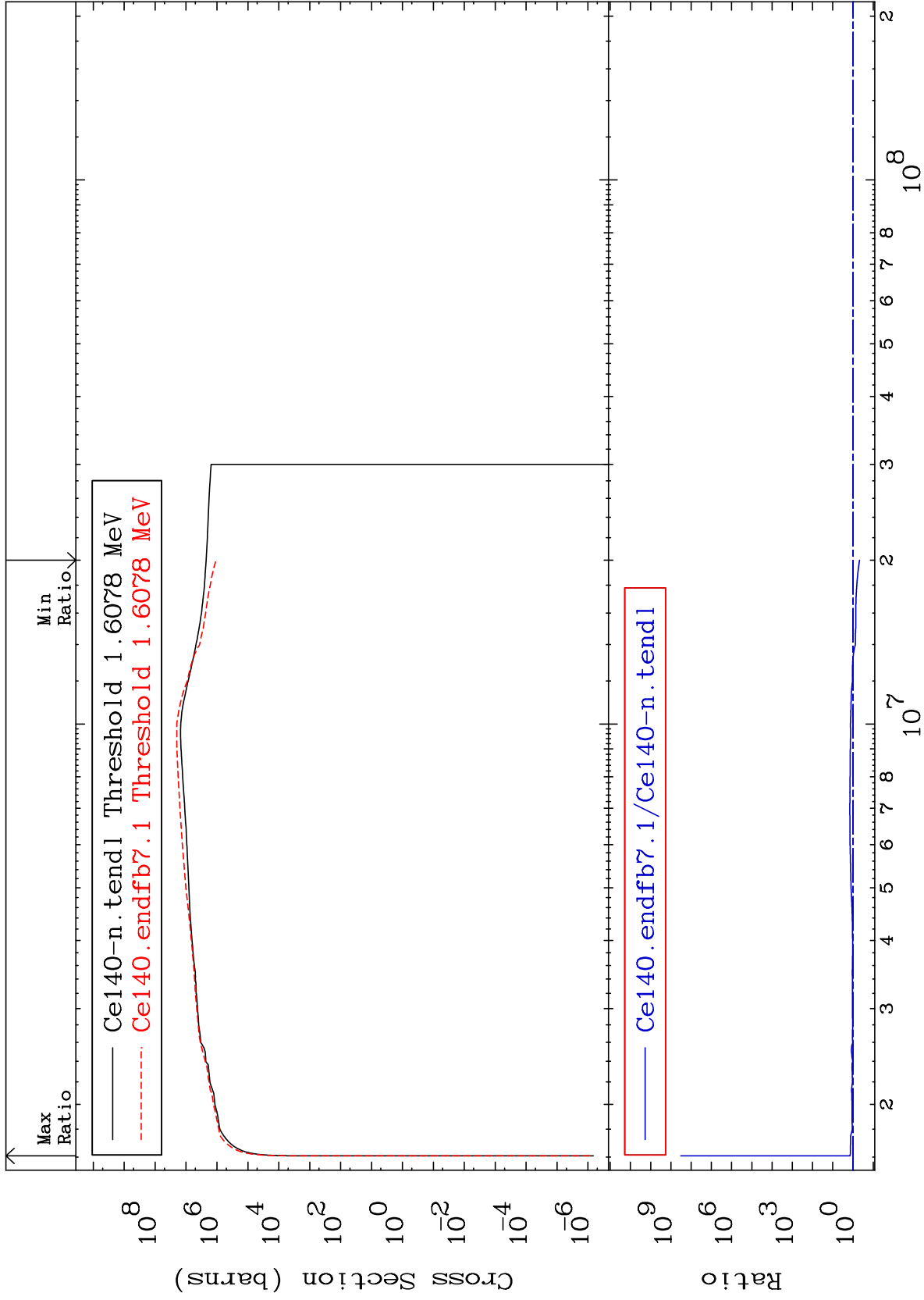
MAT 5837

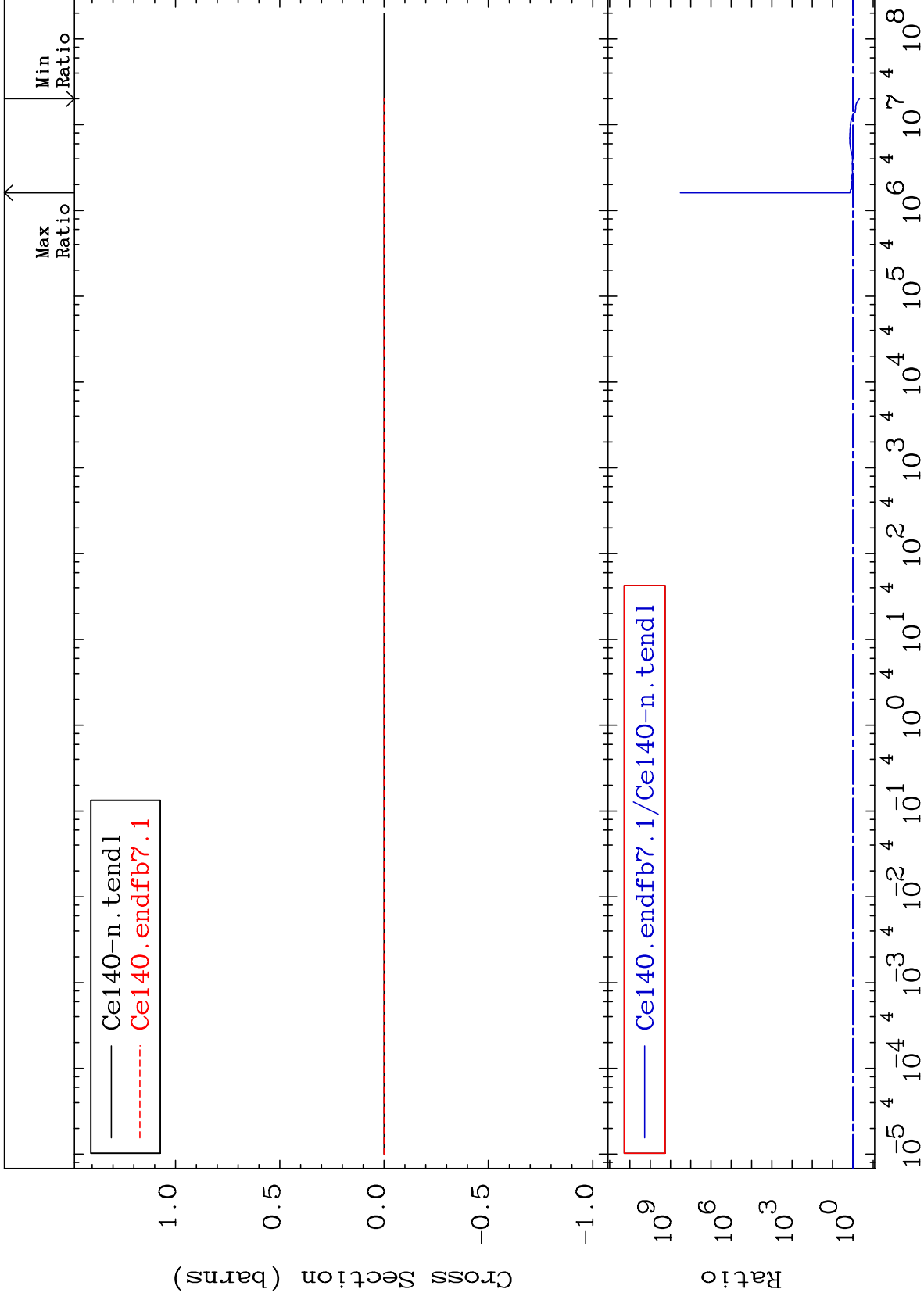
Kerma elastic
Cross Section

58-Ce-140
-98.57 To 5707. %





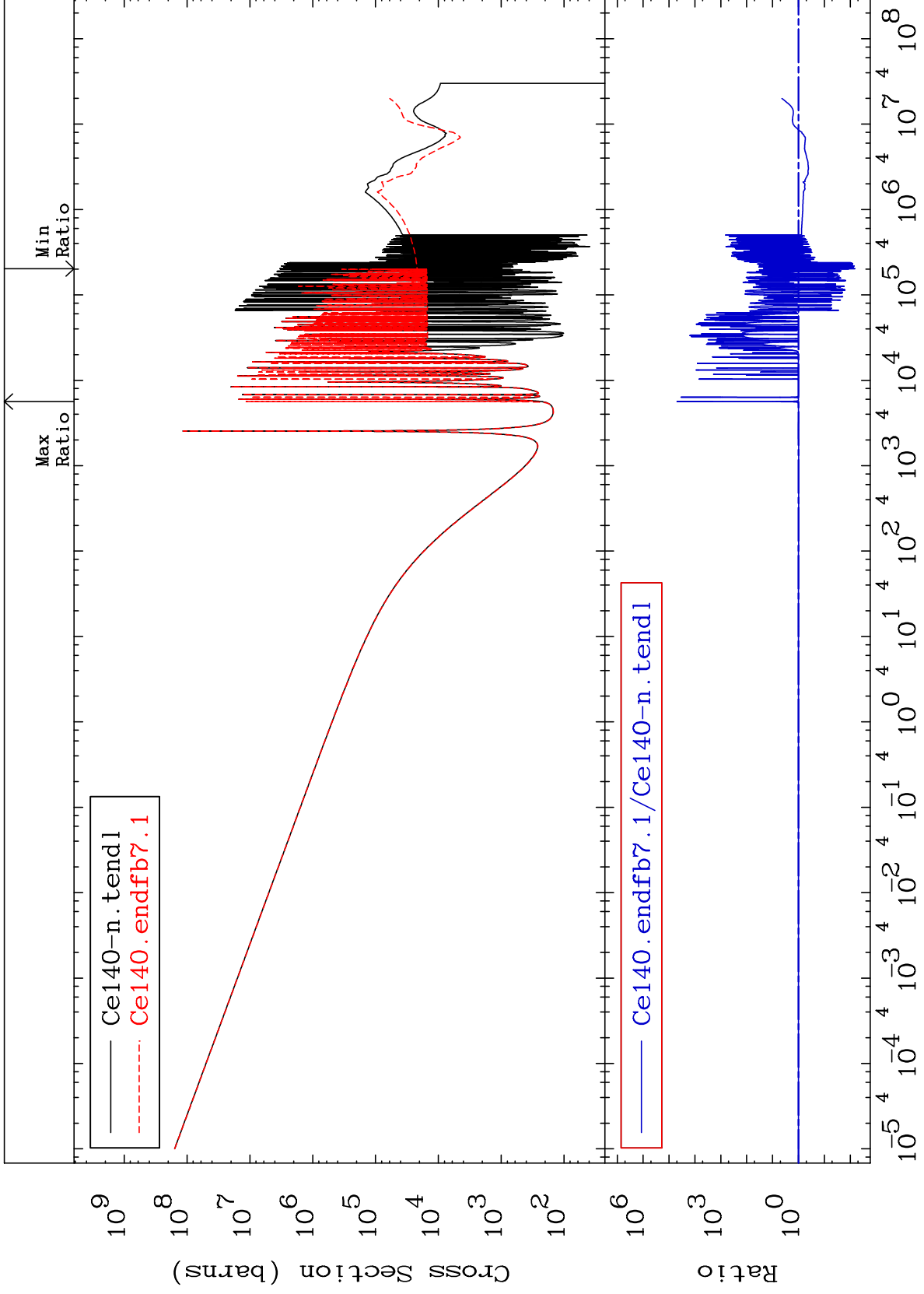




MAT 5837

Kerma capture (mt102)
Cross Section

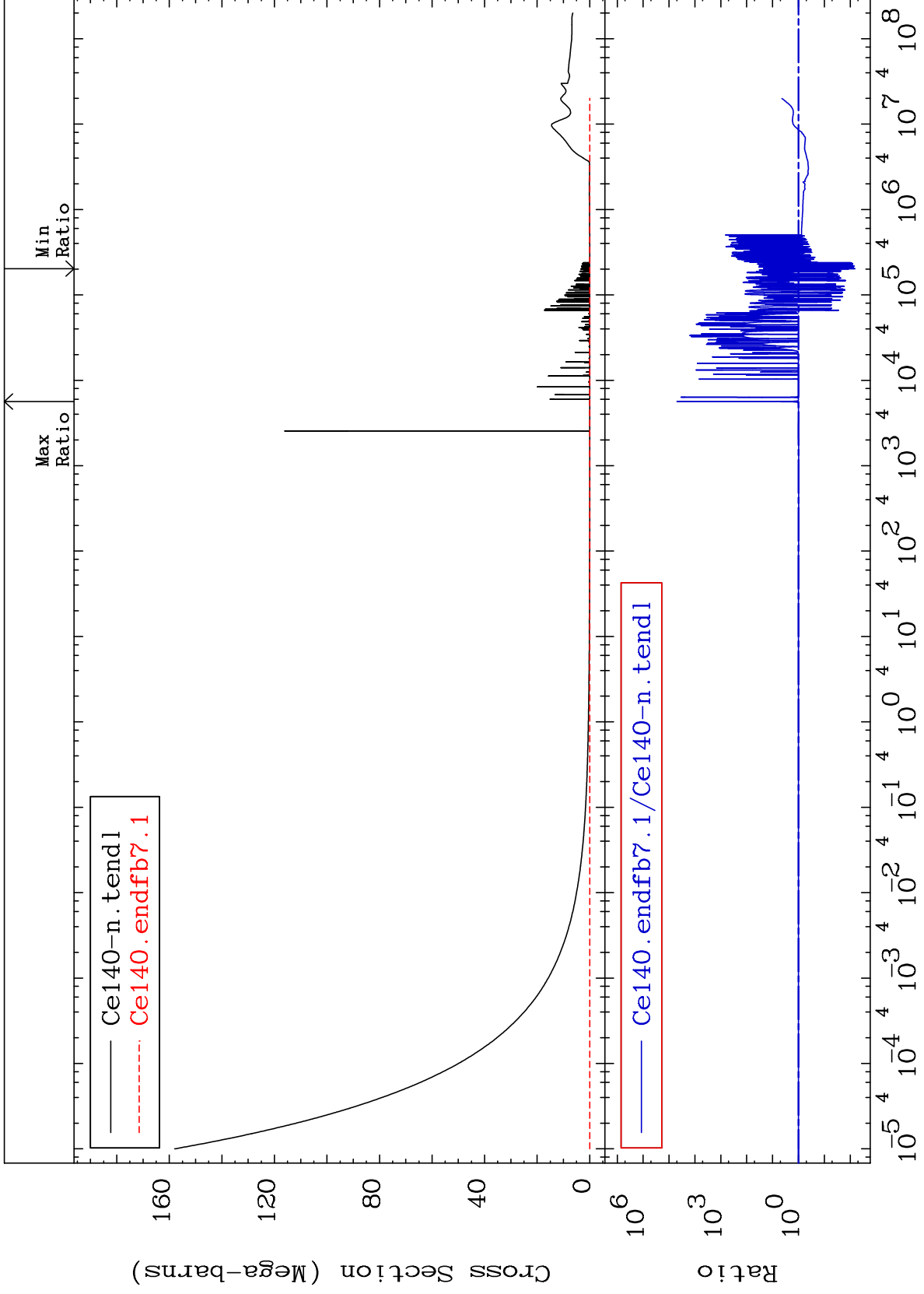
58-Ce-140
-99.35 To 9999. %

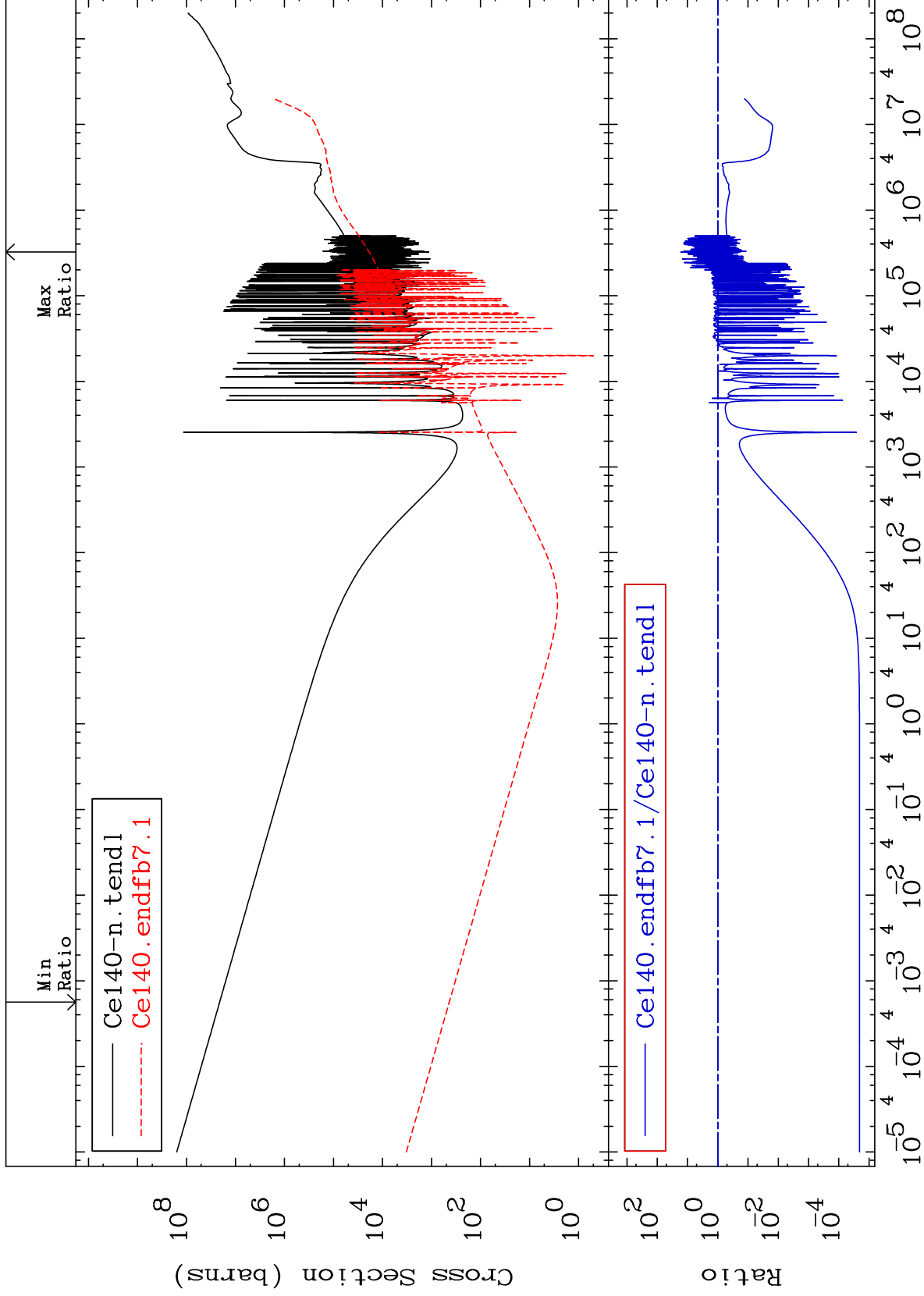


MAT 5837

Total photon (eV-barns)
Cross Section

58-Ce-140
-99.35 To 9999. %





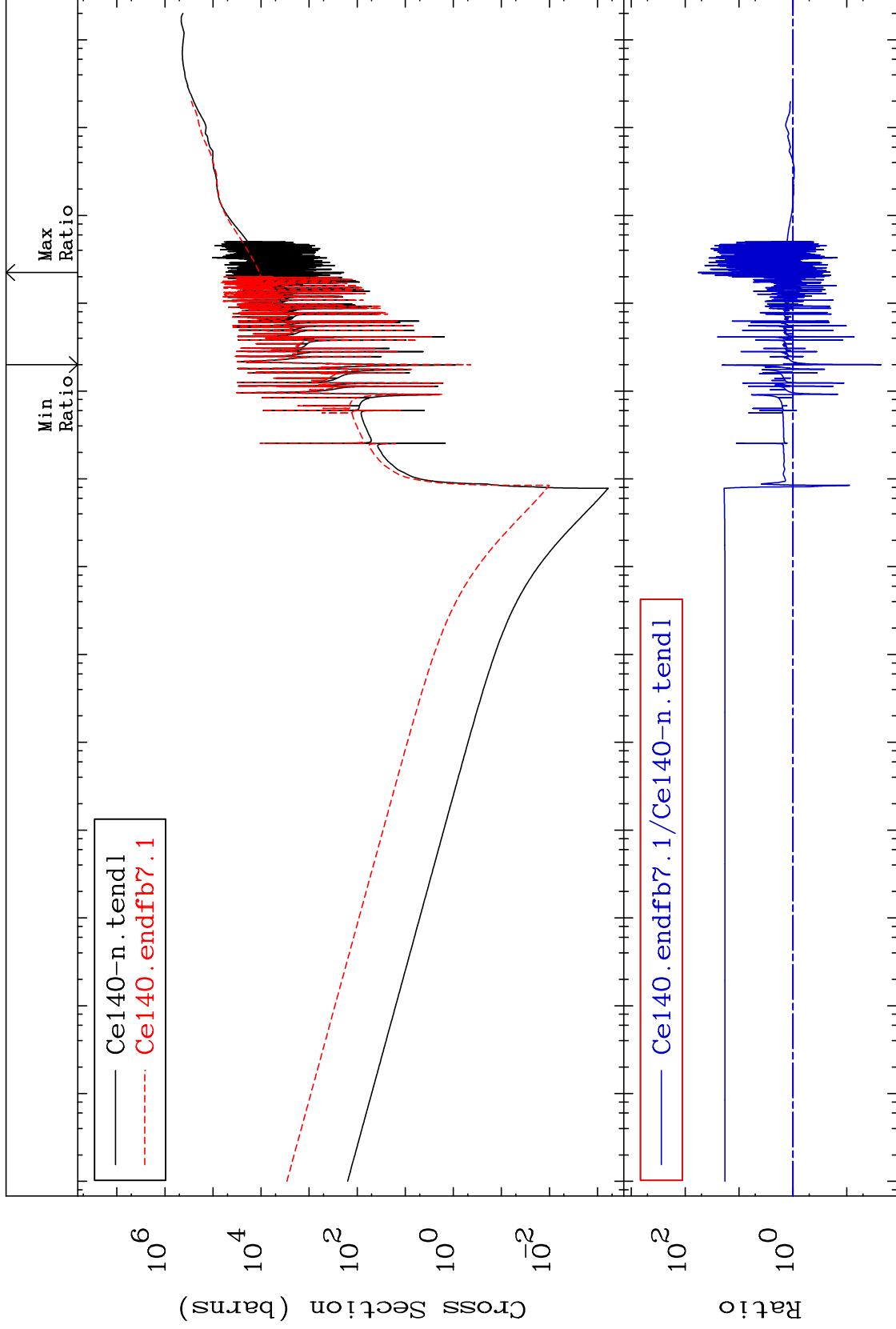
MAT 5837

Dpa total (eV-barns)

58-Ce-140

Cross Section

-97.69 To 5706. %



50

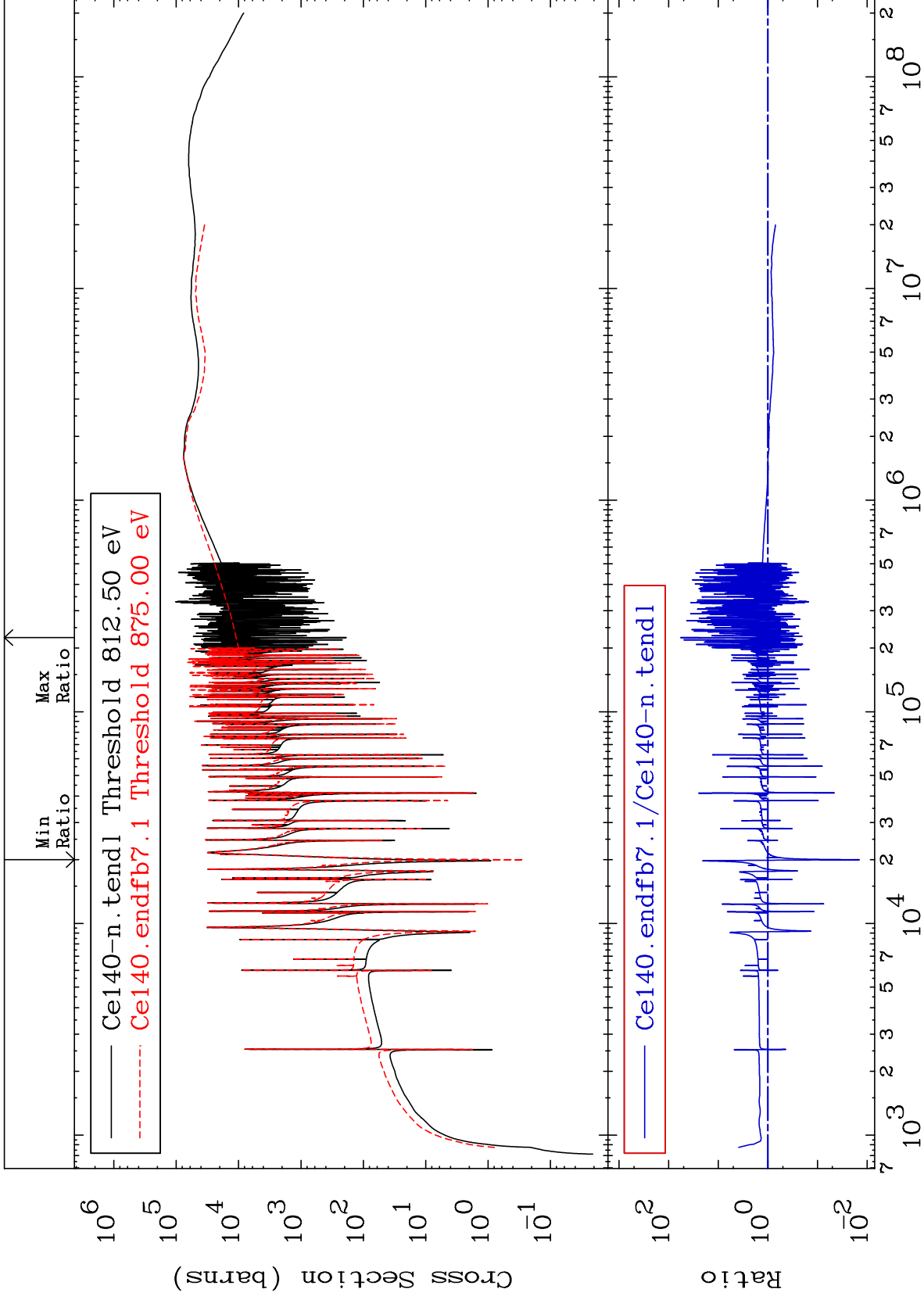
Incident Energy (eV)

58-Ce-140

MAT 5837

Dpa elastic (mt2)
Cross Section

58-Ce-140
-98.57 To 5703. %



51

Incident Energy (eV)

58-Ce-140

