

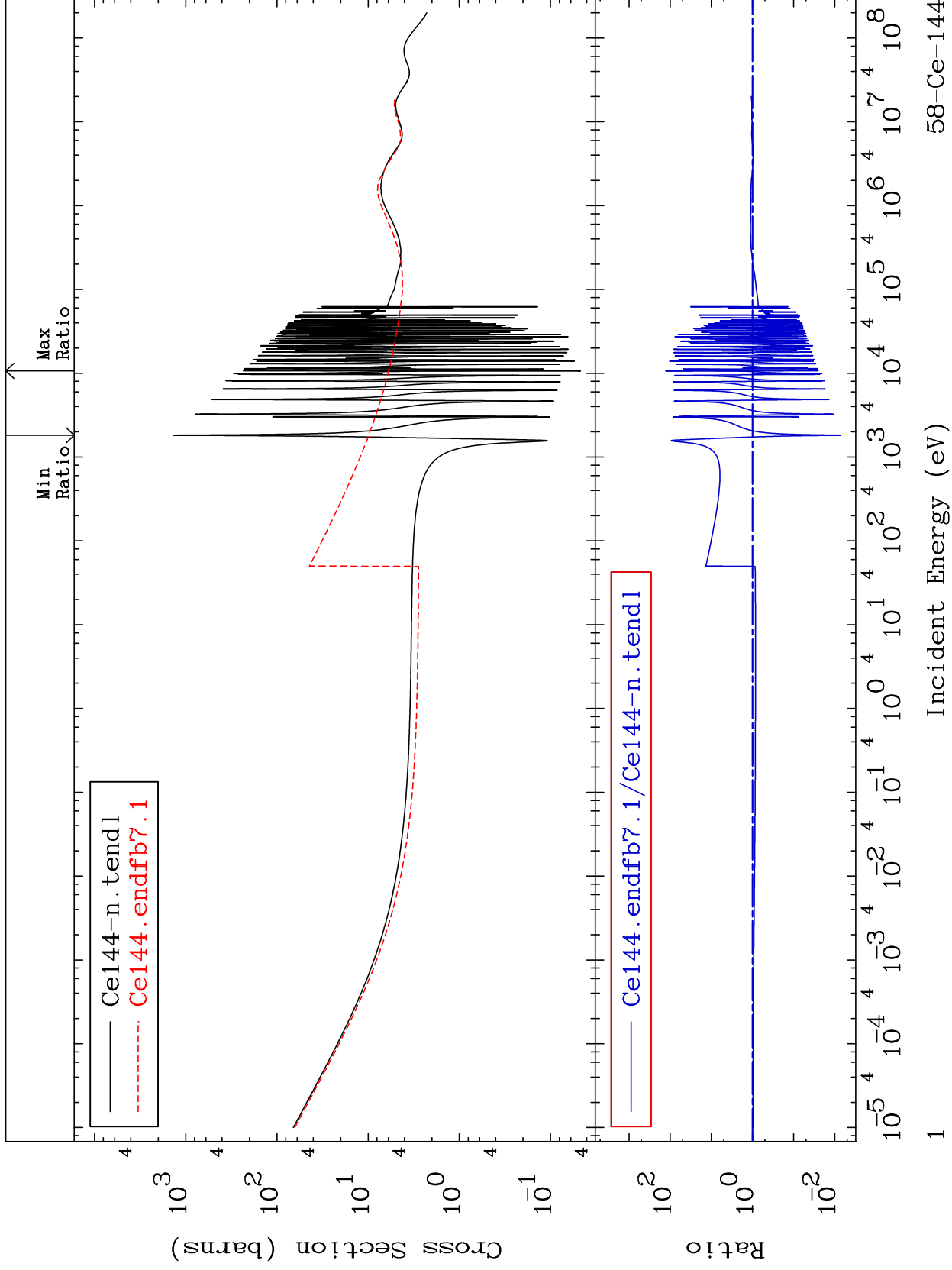
MAT 5849

Total

58-Ce-144

Cross Section

-99.29 To 9999. %



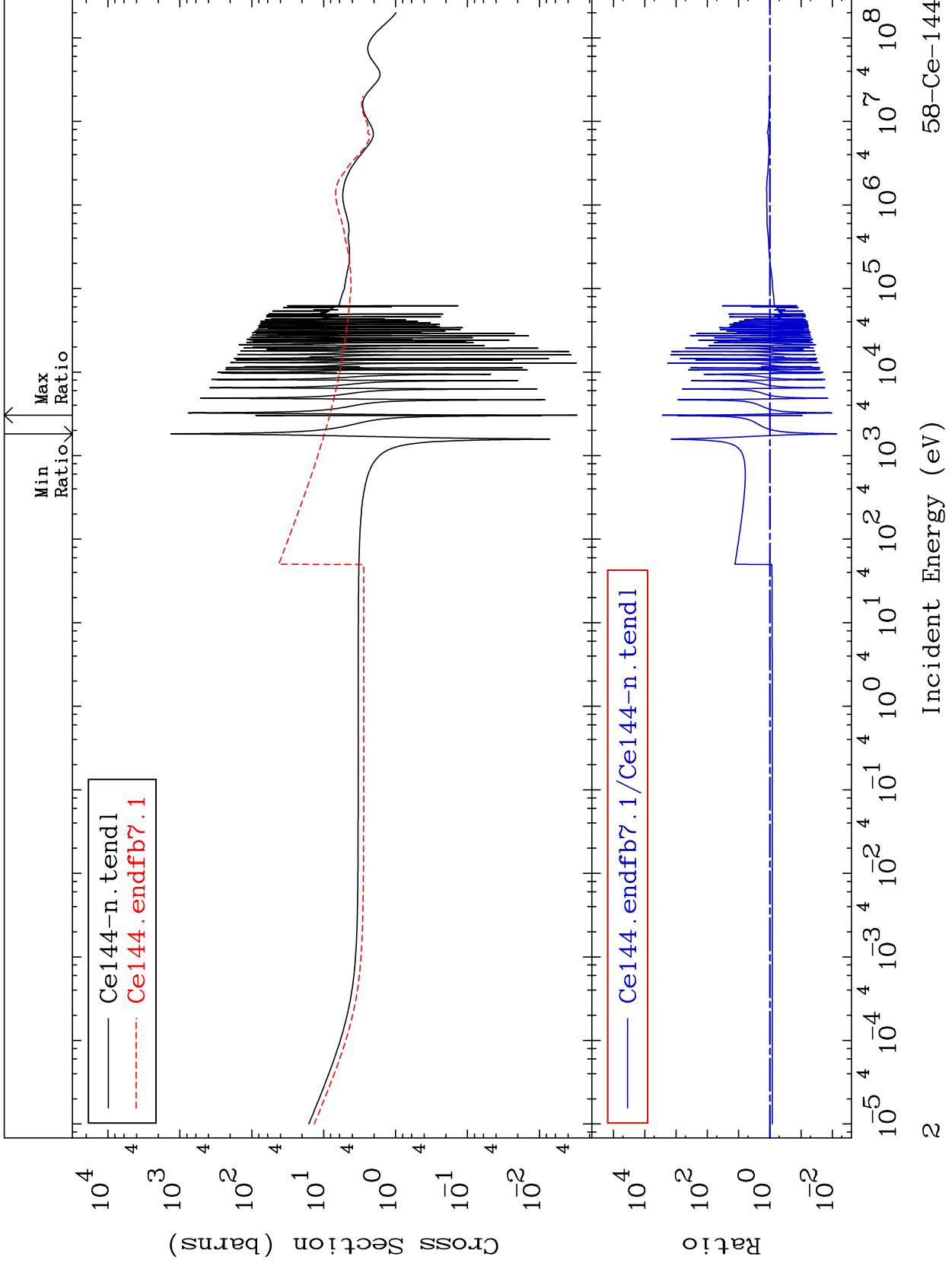
Incident Energy (eV)

58-Ce-144

MAT 5849

Elastic
Cross Section

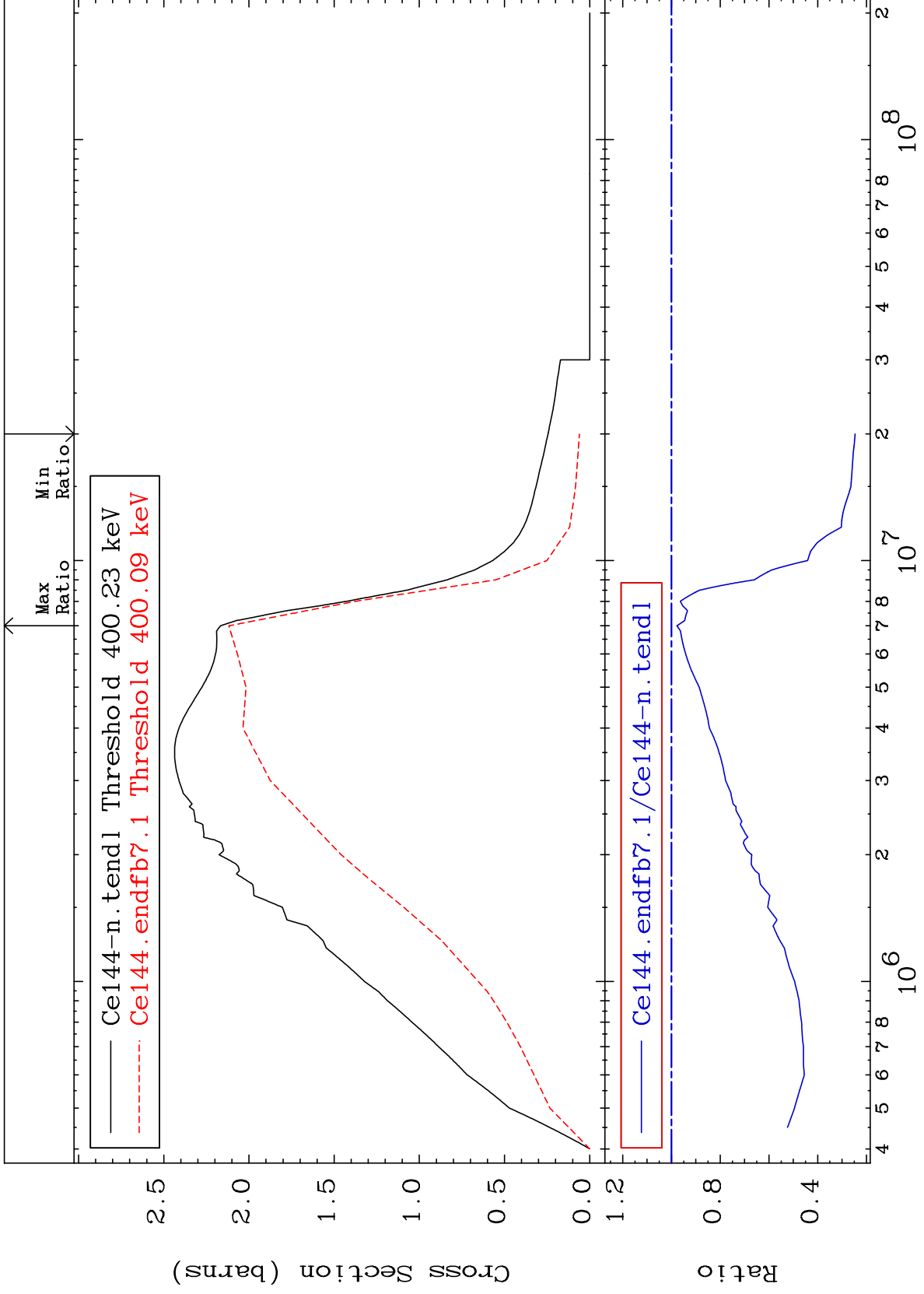
58-Ce-144
-99.27 To 9999. %



MAT 5849

Inelastic
Cross Section

58-Ce-144
-75.34 To -2.241%



3

Incident Energy (eV)

58-Ce-144

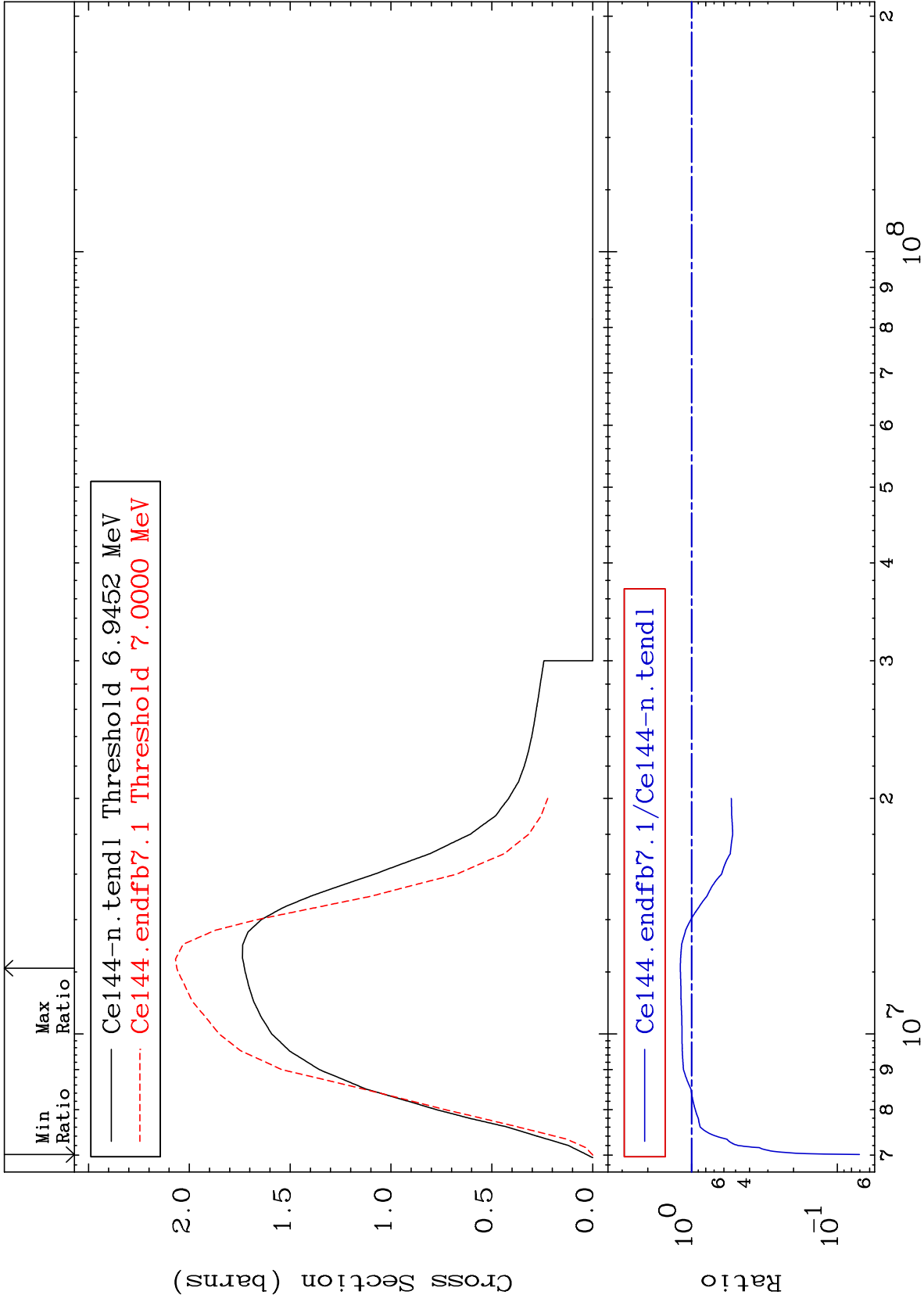
MAT 5849

(n,2n)

58-Ce-144

Cross Section

-92.94 To 19.44 %



4

Incident Energy (eV)

58-Ce-144

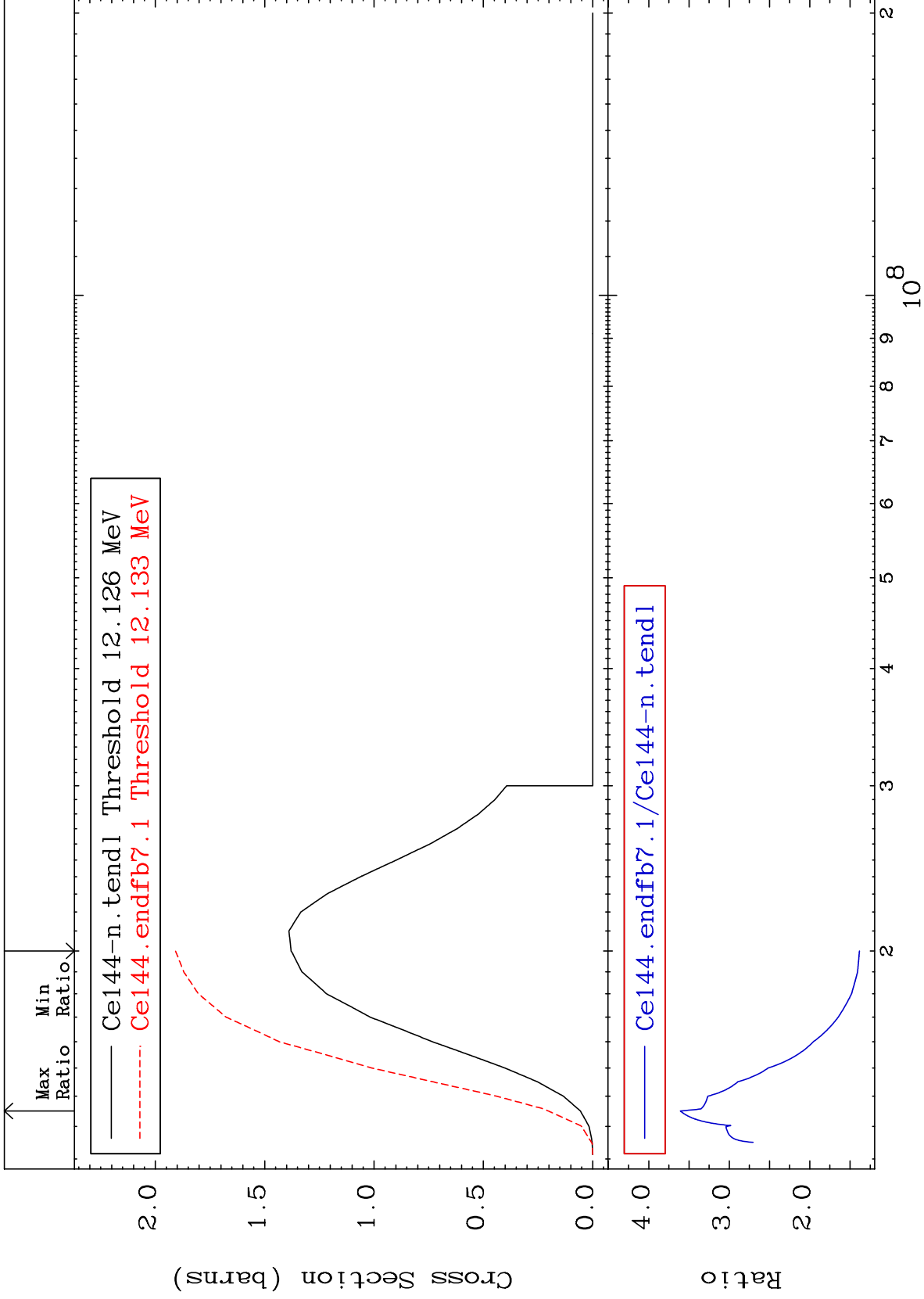
MAT 5849

(n,3n)

58-Ce-144

Cross Section

38.35 To 260.7 %



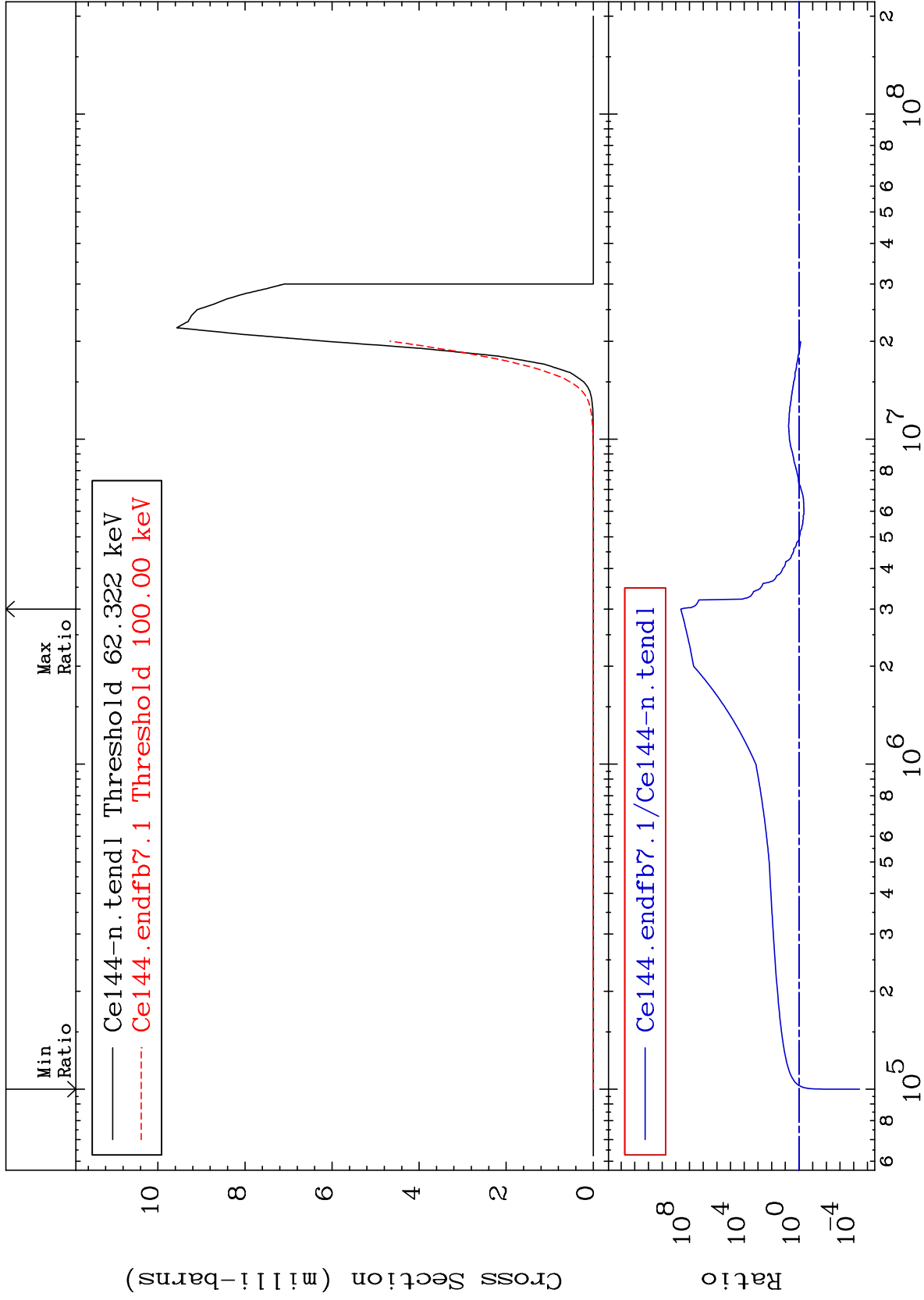
MAT 5849

(n, n') α

58-Ce-144

Cross Section

-100.0 To 9999. %



6

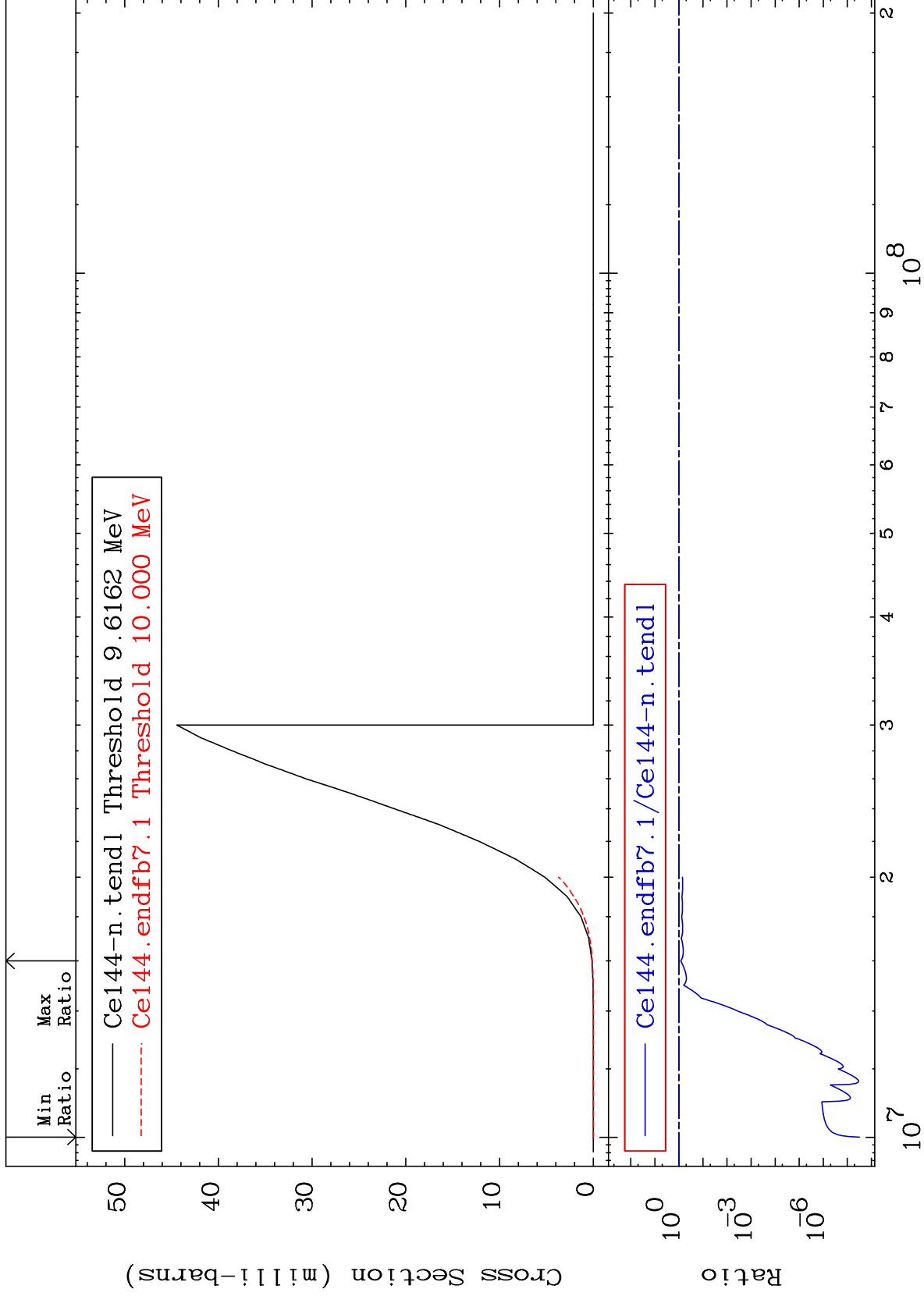
58-Ce-144

58-Ce-144

MAT 5849

(n,n') p
Cross Section

58-Ce-144
-100.0 To -16.26%



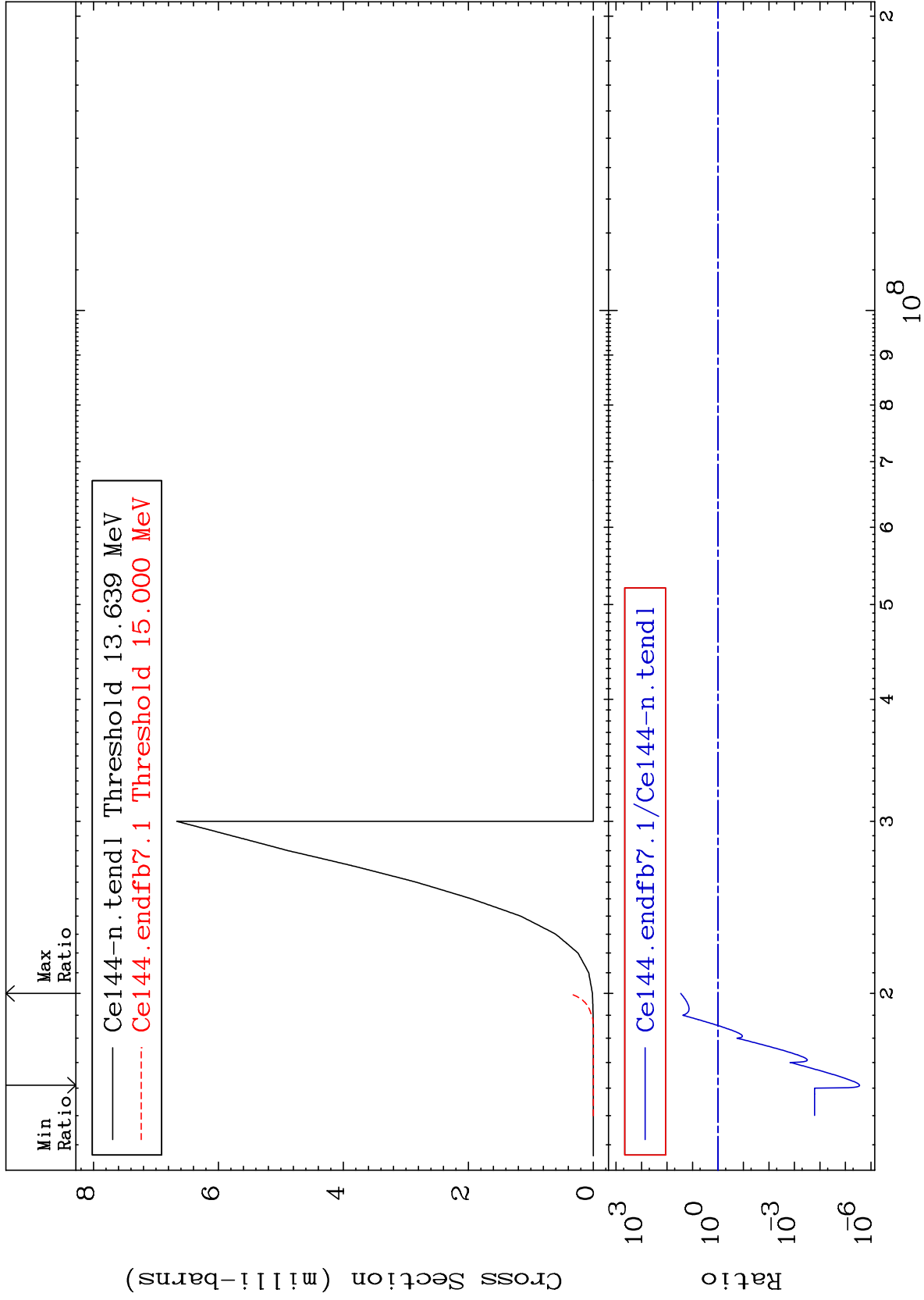
58-Ce-144

Incident Energy (eV)

MAT 5849

(n,n') d
Cross Section

58-Ce-144
-100.0 To 2788. %



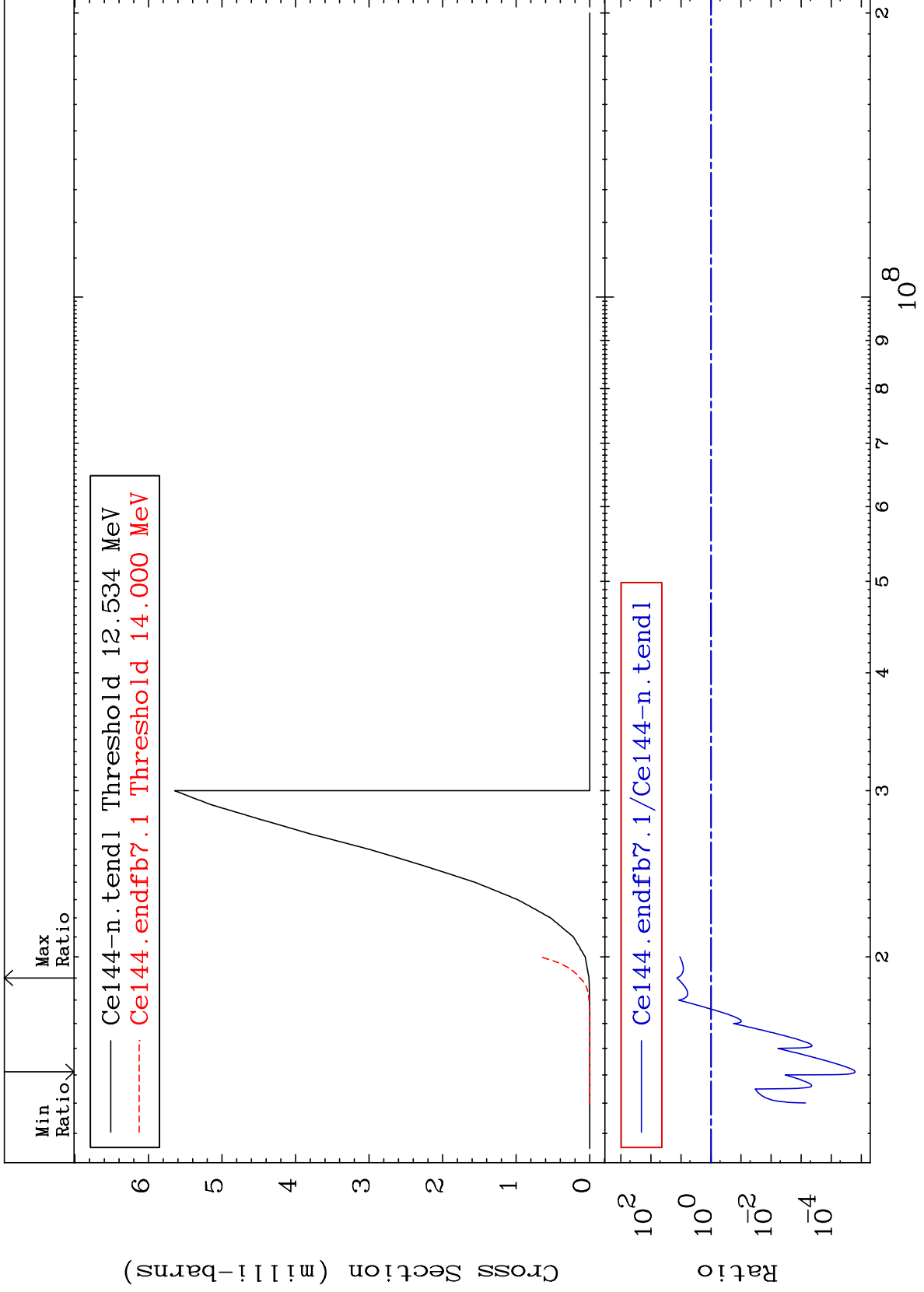
MAT 5849

(n,n') t

58-Ce-144

Cross Section

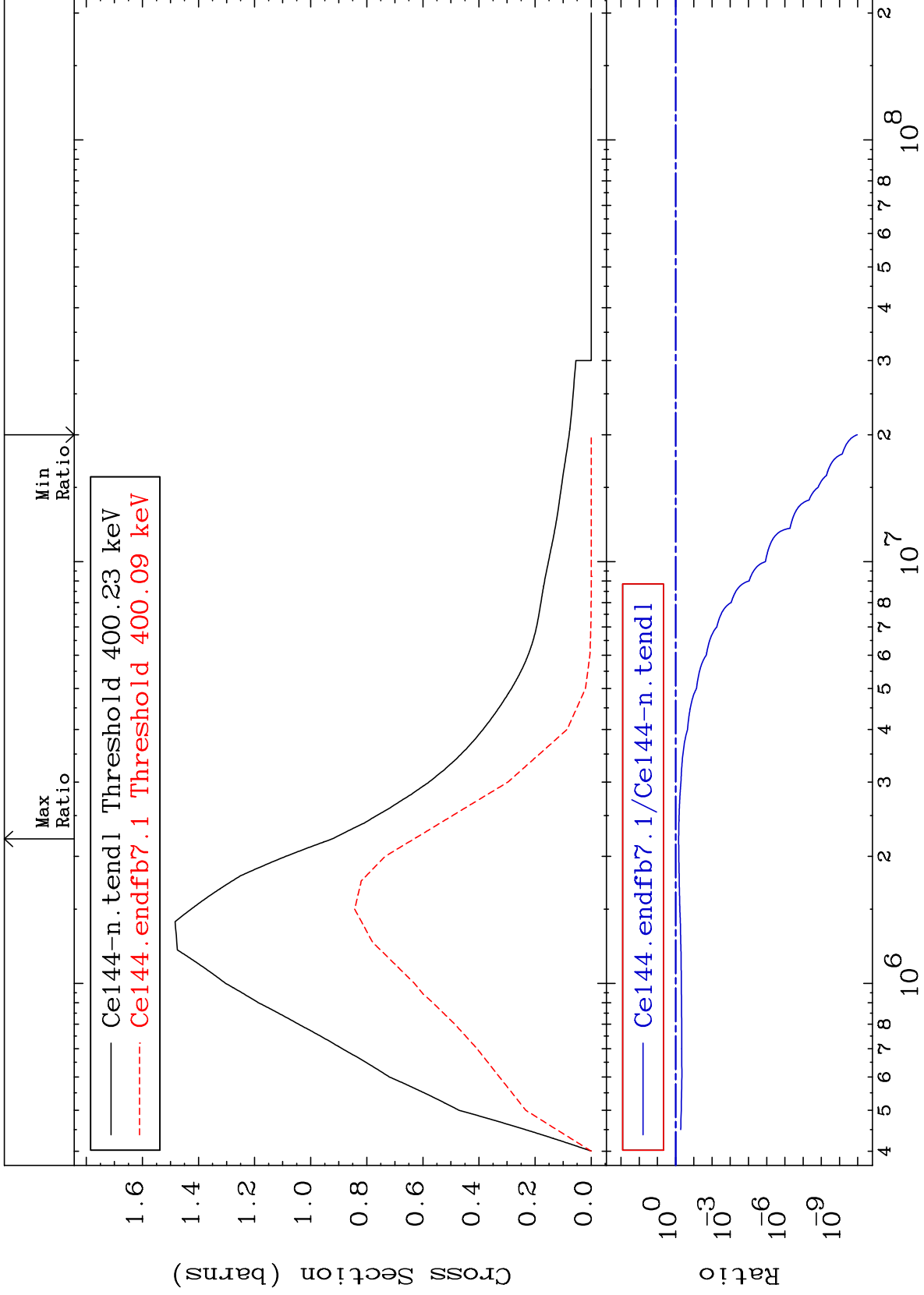
-100.0 To 1266. %



MAT 5849

397.4 keV (n,n') Level
Cross Section

58-Ce-144
-100.0 To -31.55%



10

Incident Energy (eV)

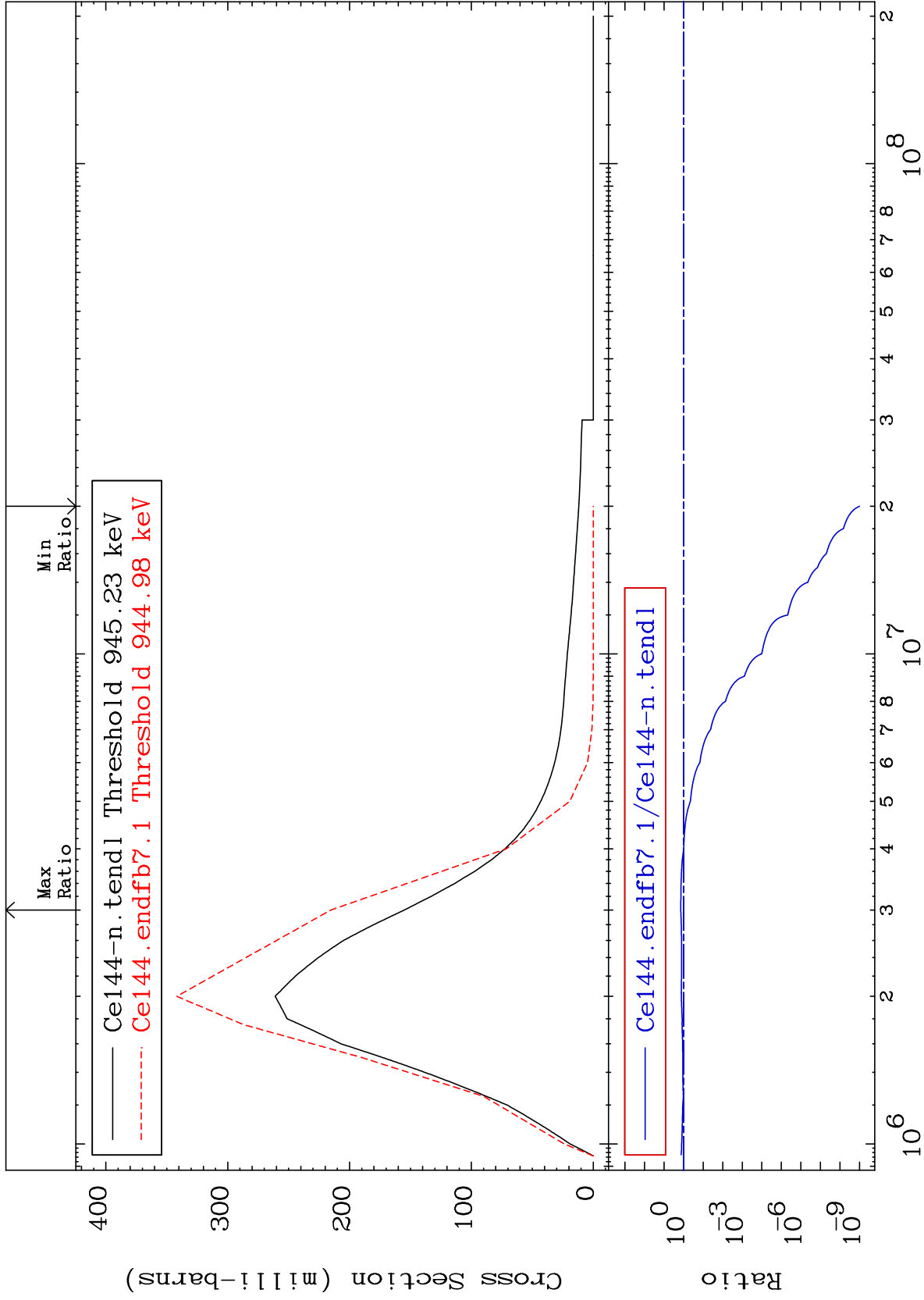
58-Ce-144

MAT 5849

938.7 keV (n,n') Level

58-Ce-144

-100.0 To 38.96 %



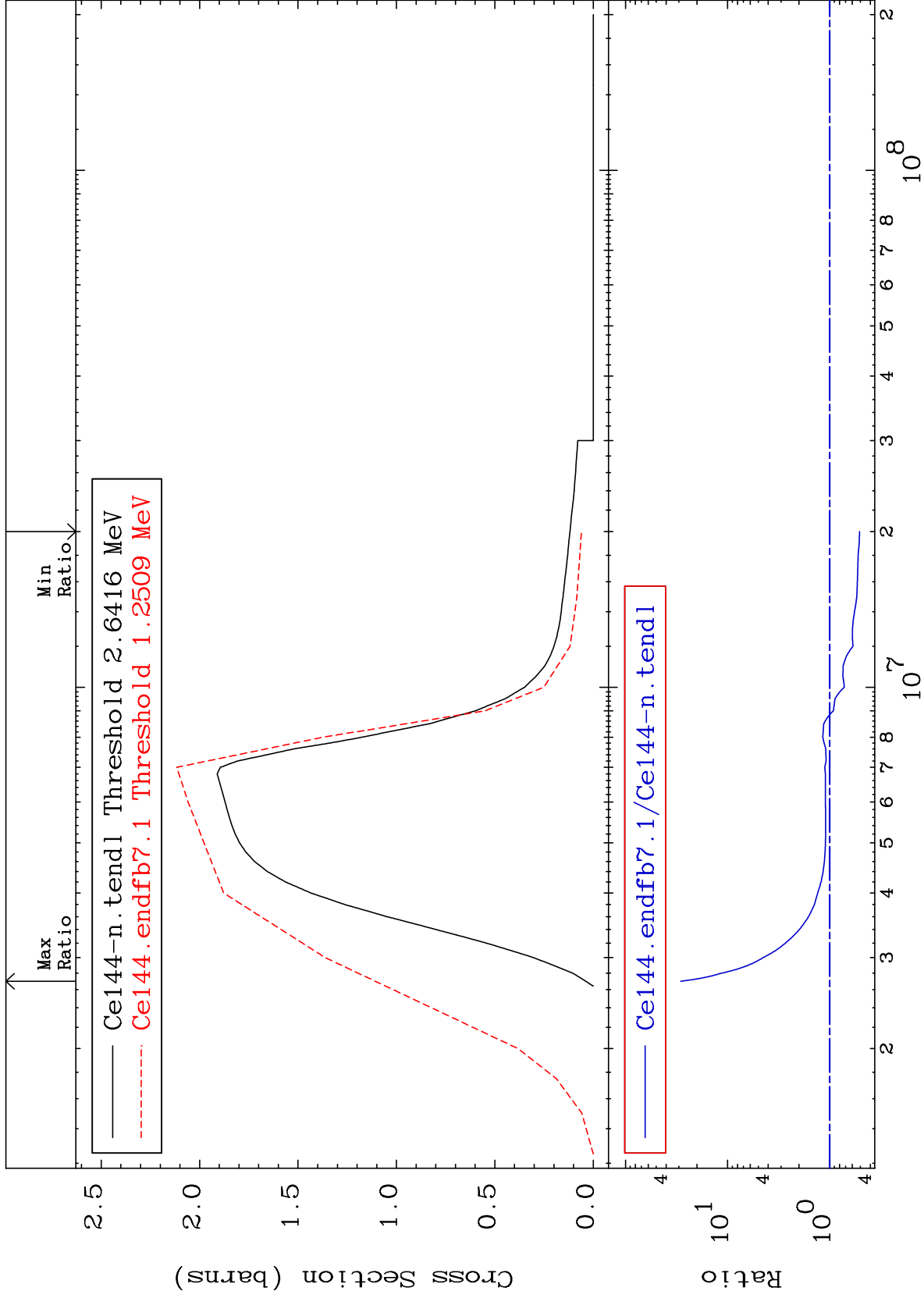
11

58-Ce-144

MAT 5849

(n, n') Continuum
Cross Section

58-Ce-144
-49.00 To 2775. %



12

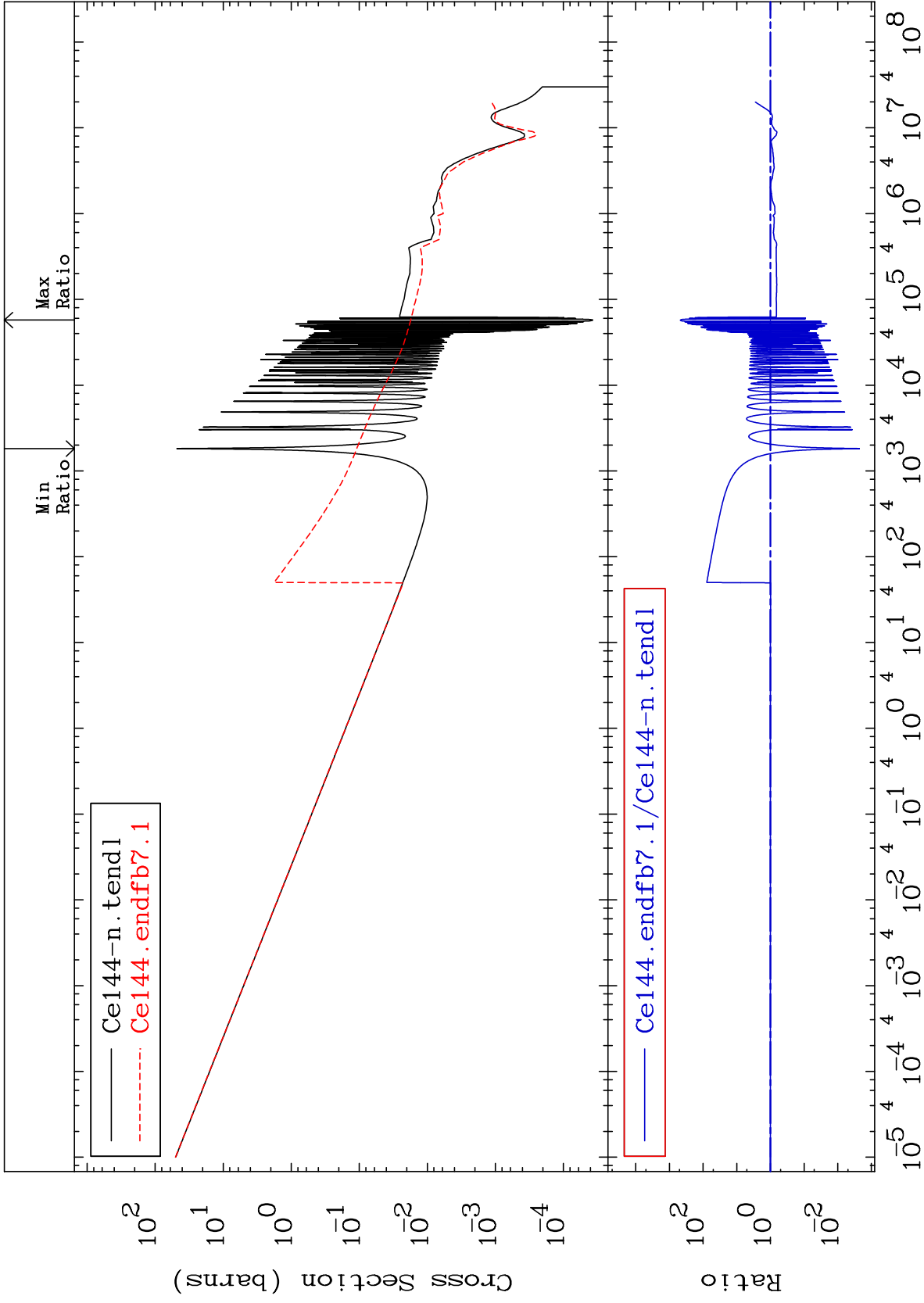
Incident Energy (eV)

58-Ce-144

MAT 5849

(n, γ)
Cross Section

58-Ce-144
-99.77 To 9999. %



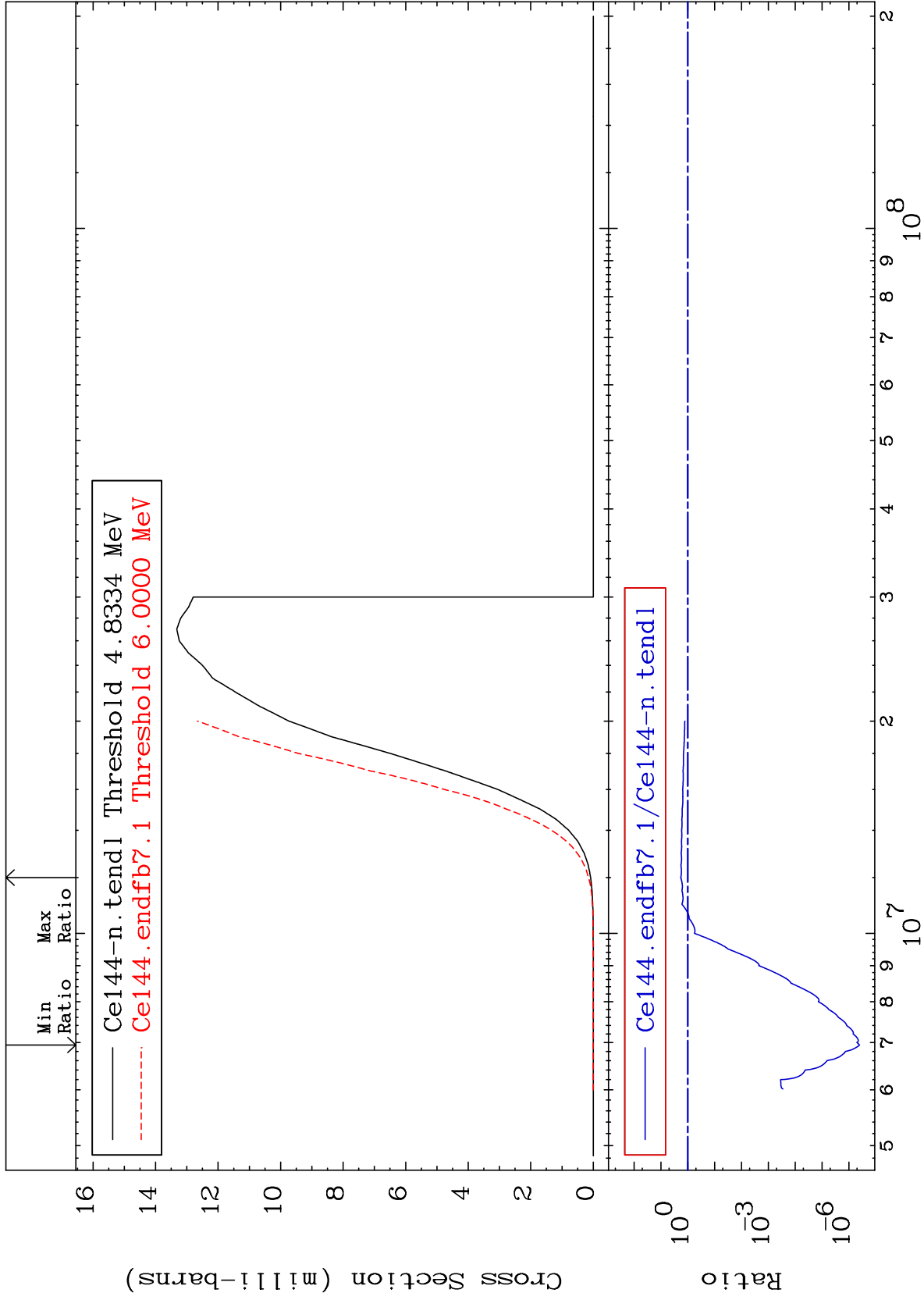
MAT 5849

(n,p)

58-Ce-144

Cross Section

-100.0 To 83.87 %



14

Incident Energy (eV)

58-Ce-144

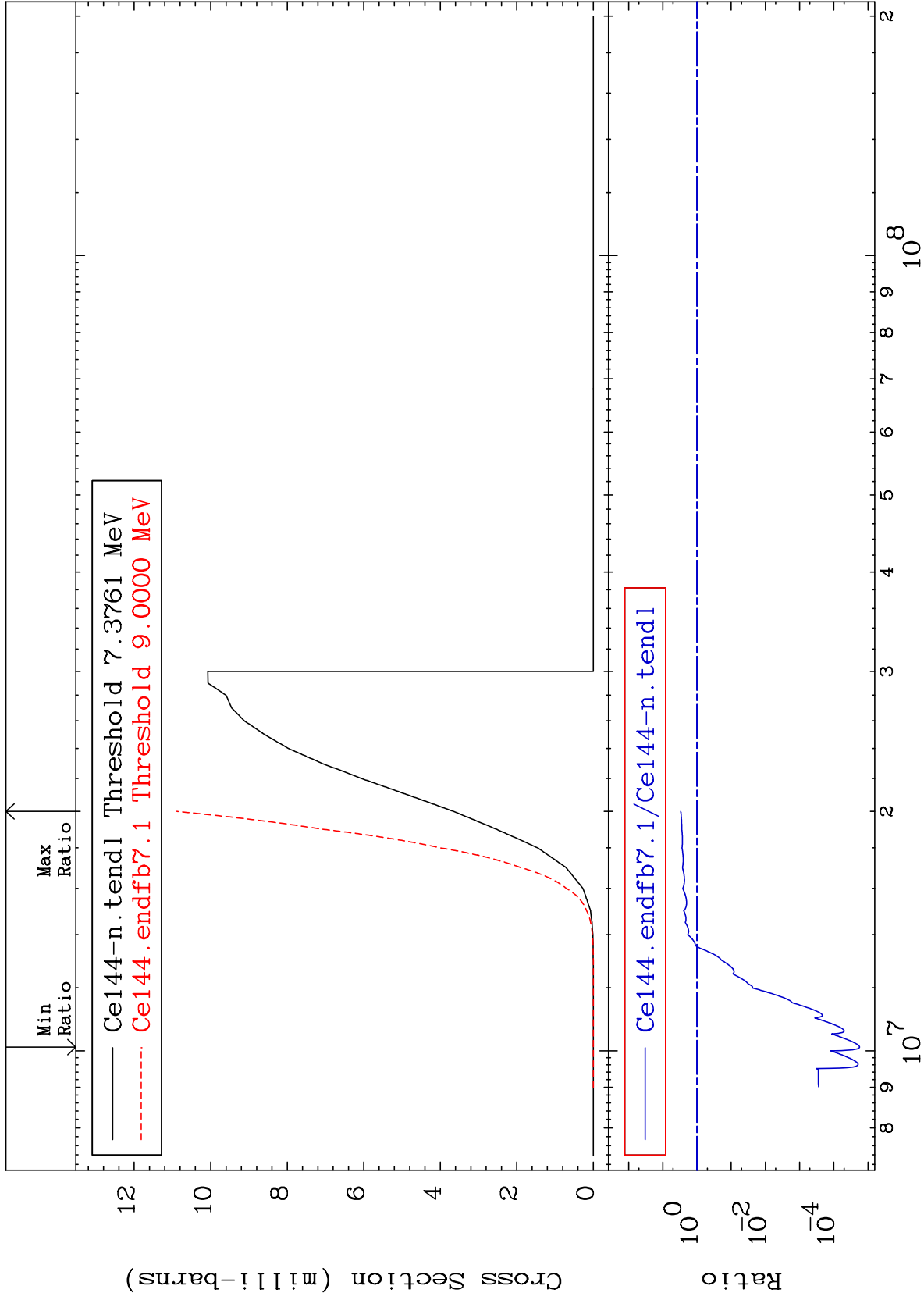
MAT 5849

(n, d)

58-Ce-144

Cross Section

-100.0 To 198.0 %



15

Incident Energy (eV)

58-Ce-144

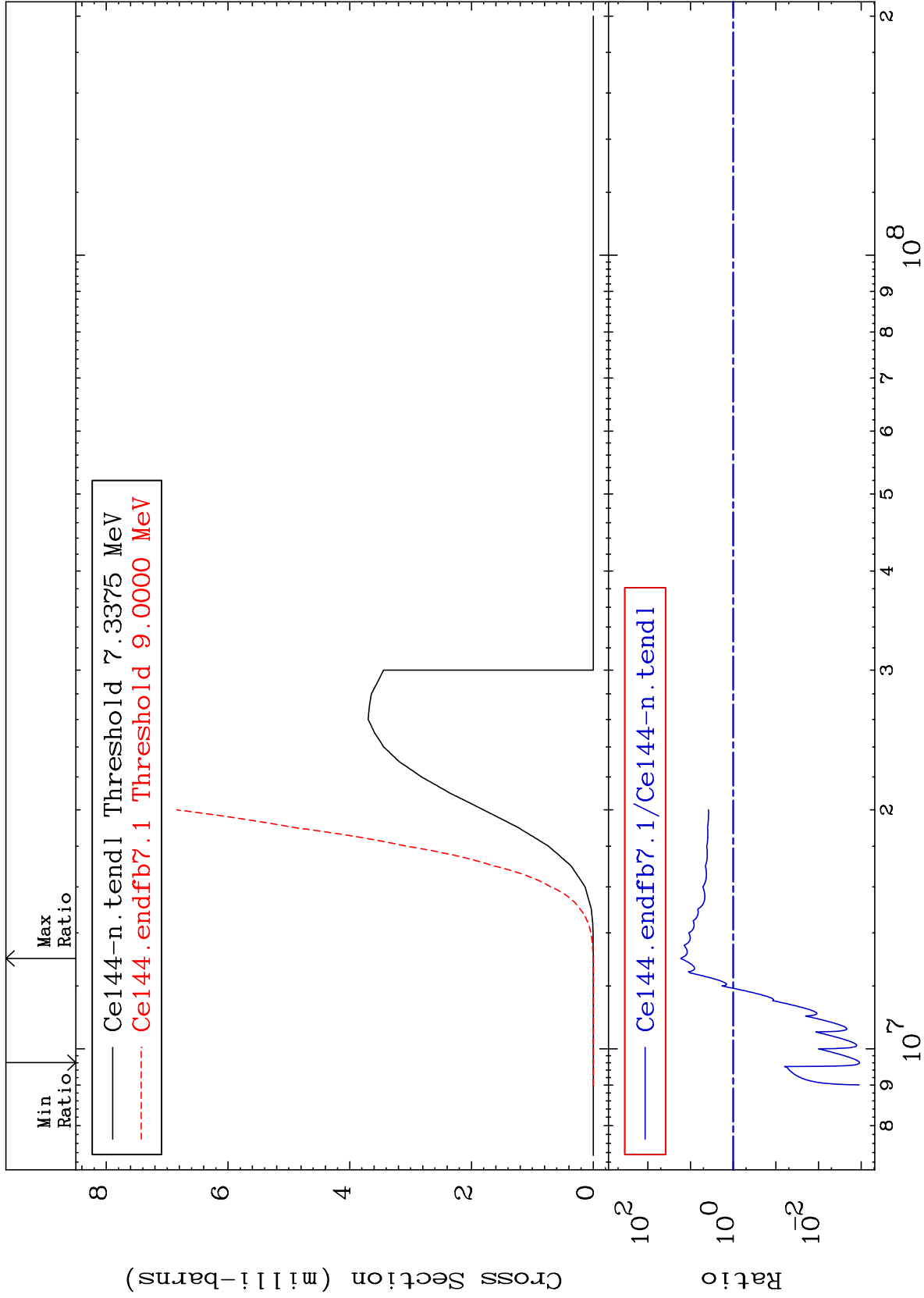
MAT 5849

(n, t)

58-Ce-144

Cross Section

-99.89 To 1594. %



16

Incident Energy (eV)

58-Ce-144

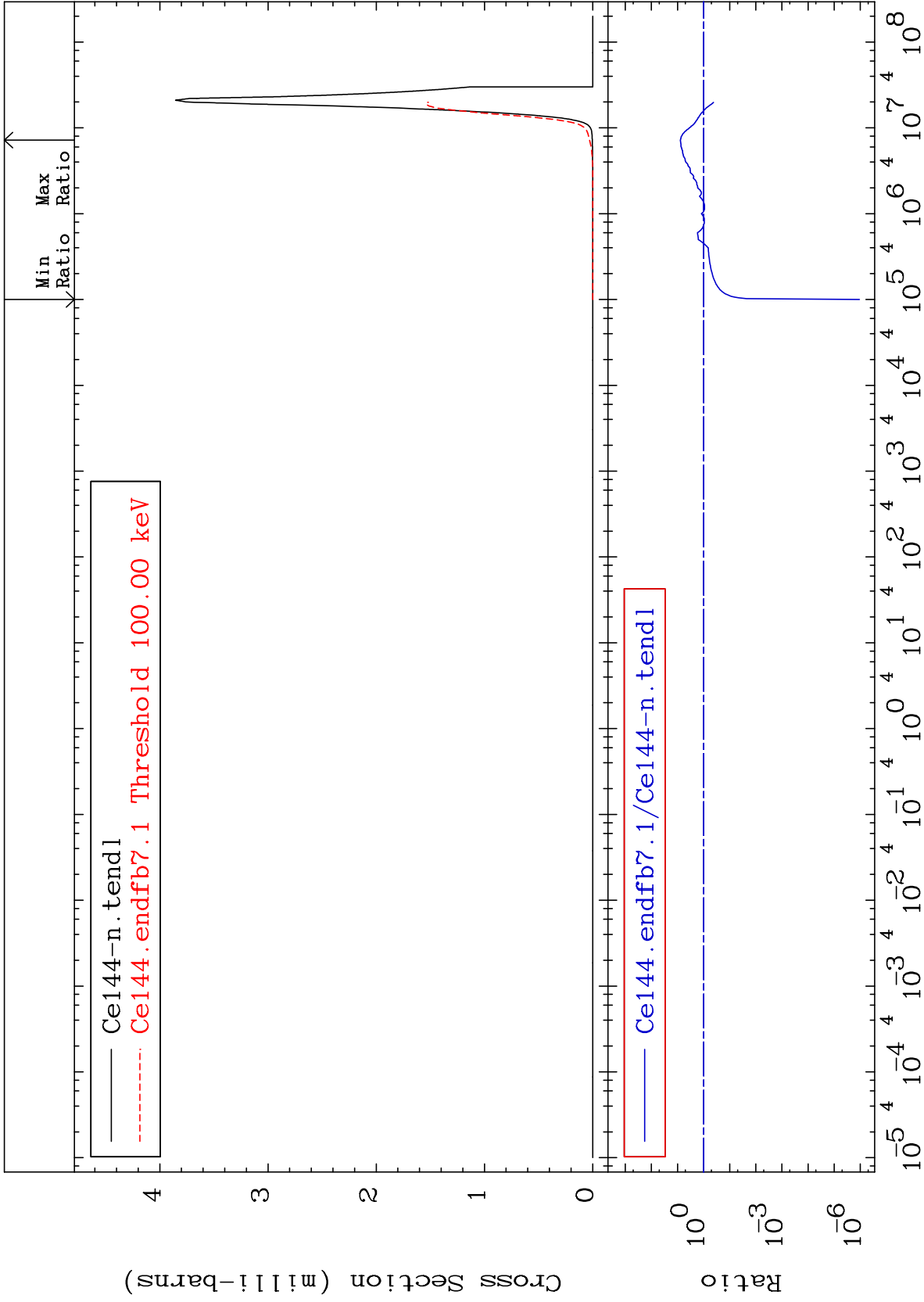
MAT 5849

(n, α)

58-Ce-144

Cross Section

-100.0 To 677.9 %



17

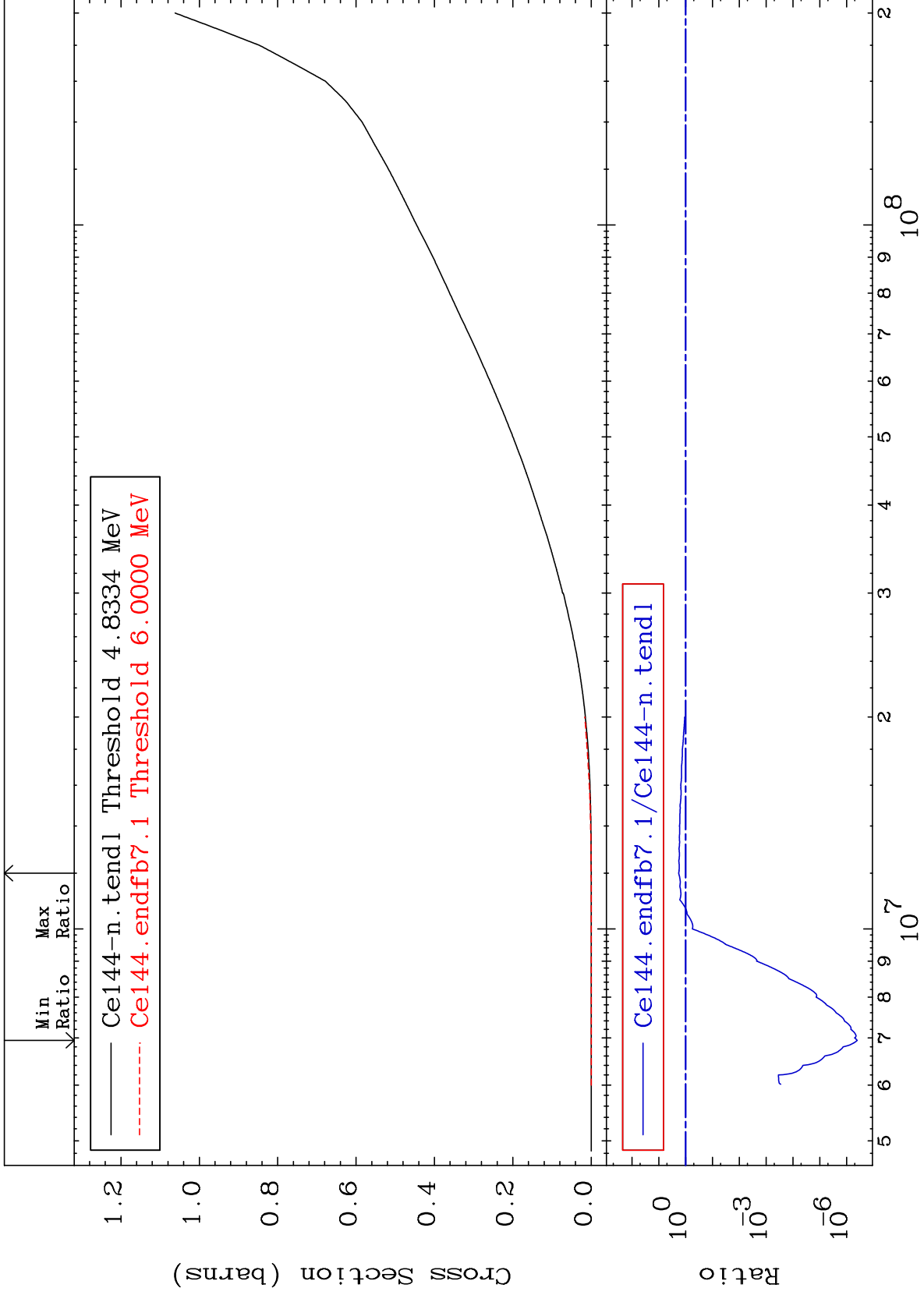
Incident Energy (eV)

58-Ce-144

MAT 5849

Hydrogen Production
Cross Section

58-Ce-144
-100.0 To 83.87 %



18

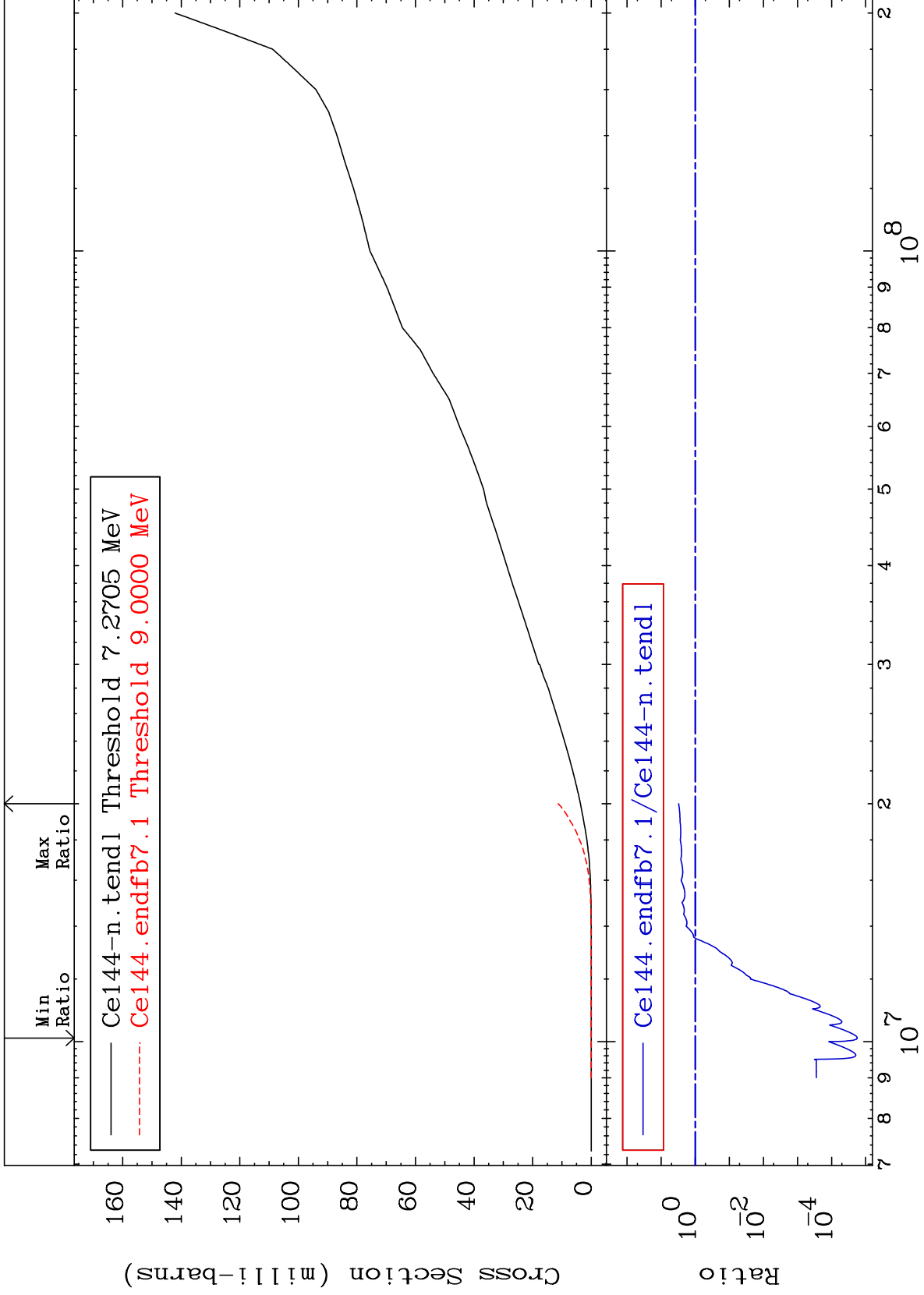
Incident Energy (eV)

58-Ce-144

MAT 5849

Deuterium Production
Cross Section

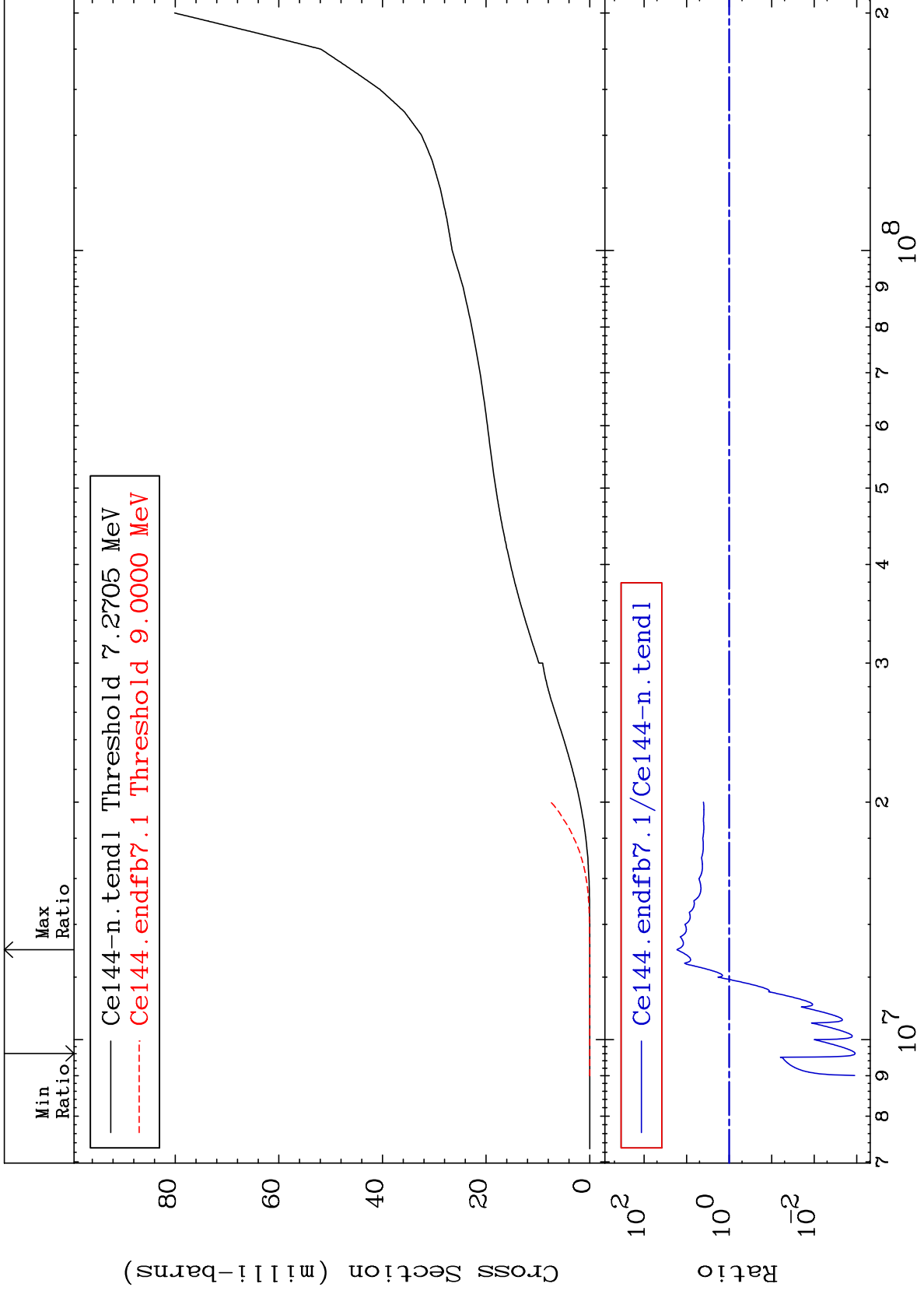
58-Ce-144
-100.0 To 207.2 %



MAT 5849

Tritium Production
Cross Section

58-Ce-144
-99.89 To 1594. %



20

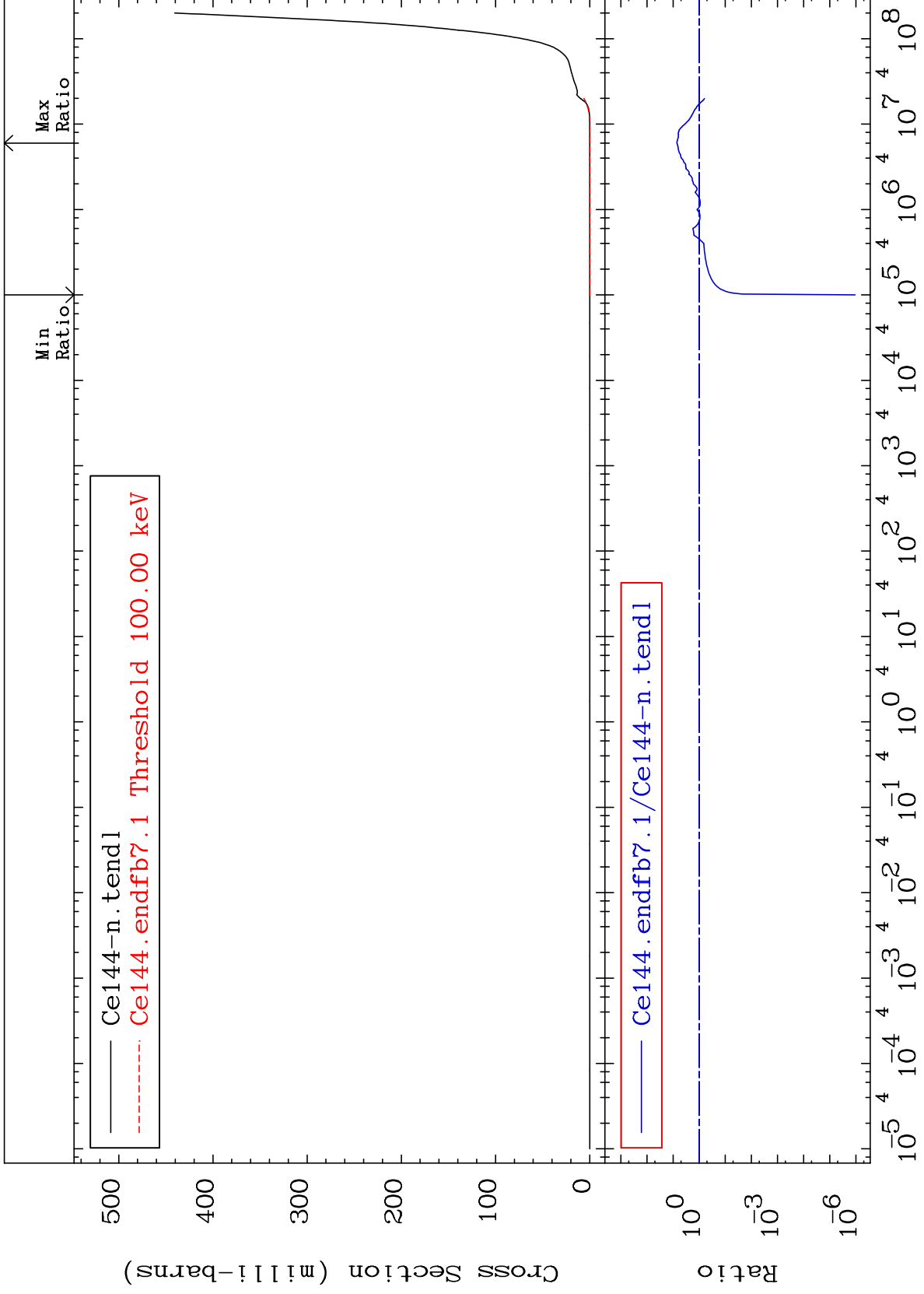
Incident Energy (eV)

58-Ce-144

MAT 5849

He-4 Production
Cross Section

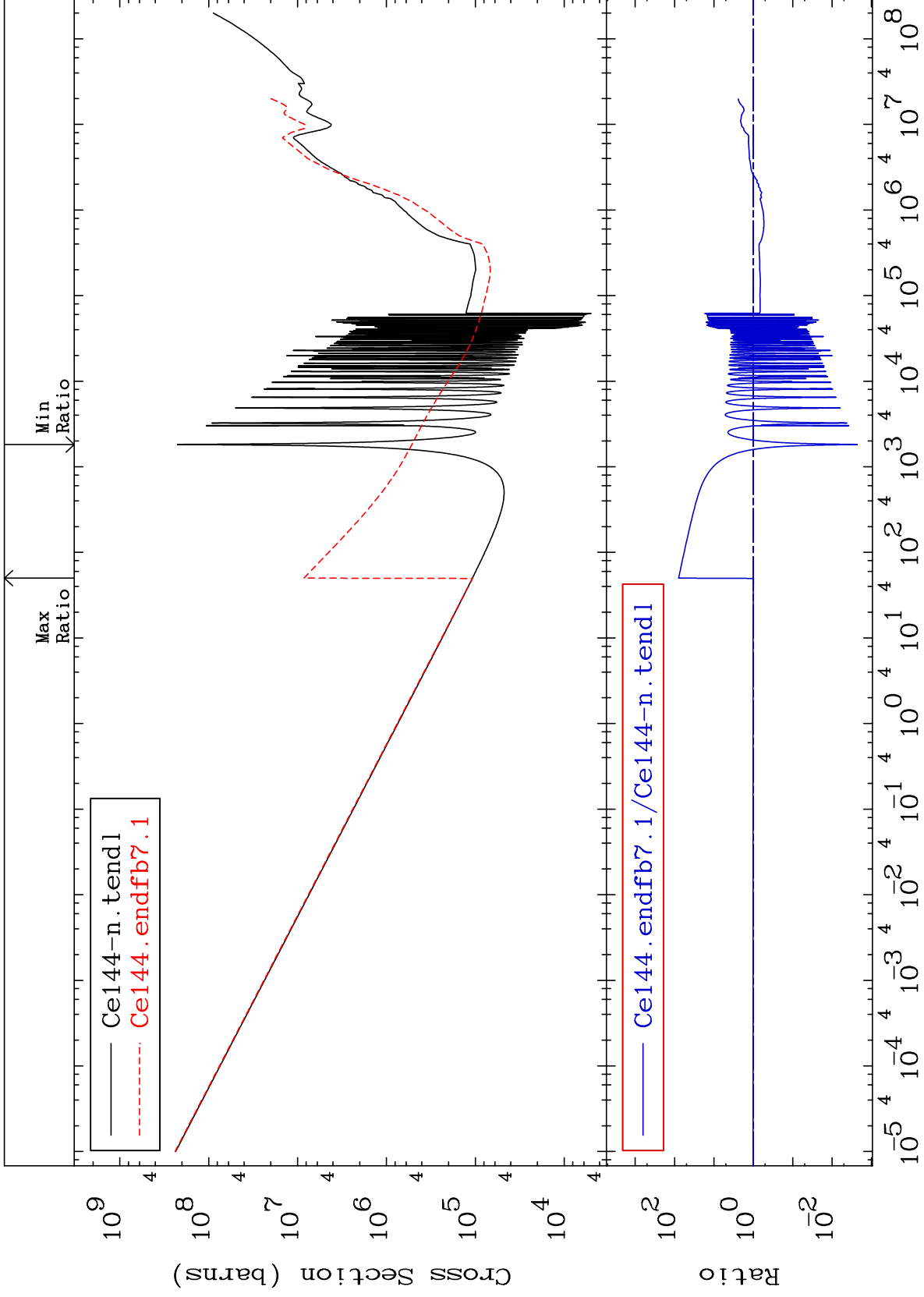
58-Ce-144
-100.0 To 611.8 %



21

Incident Energy (eV)

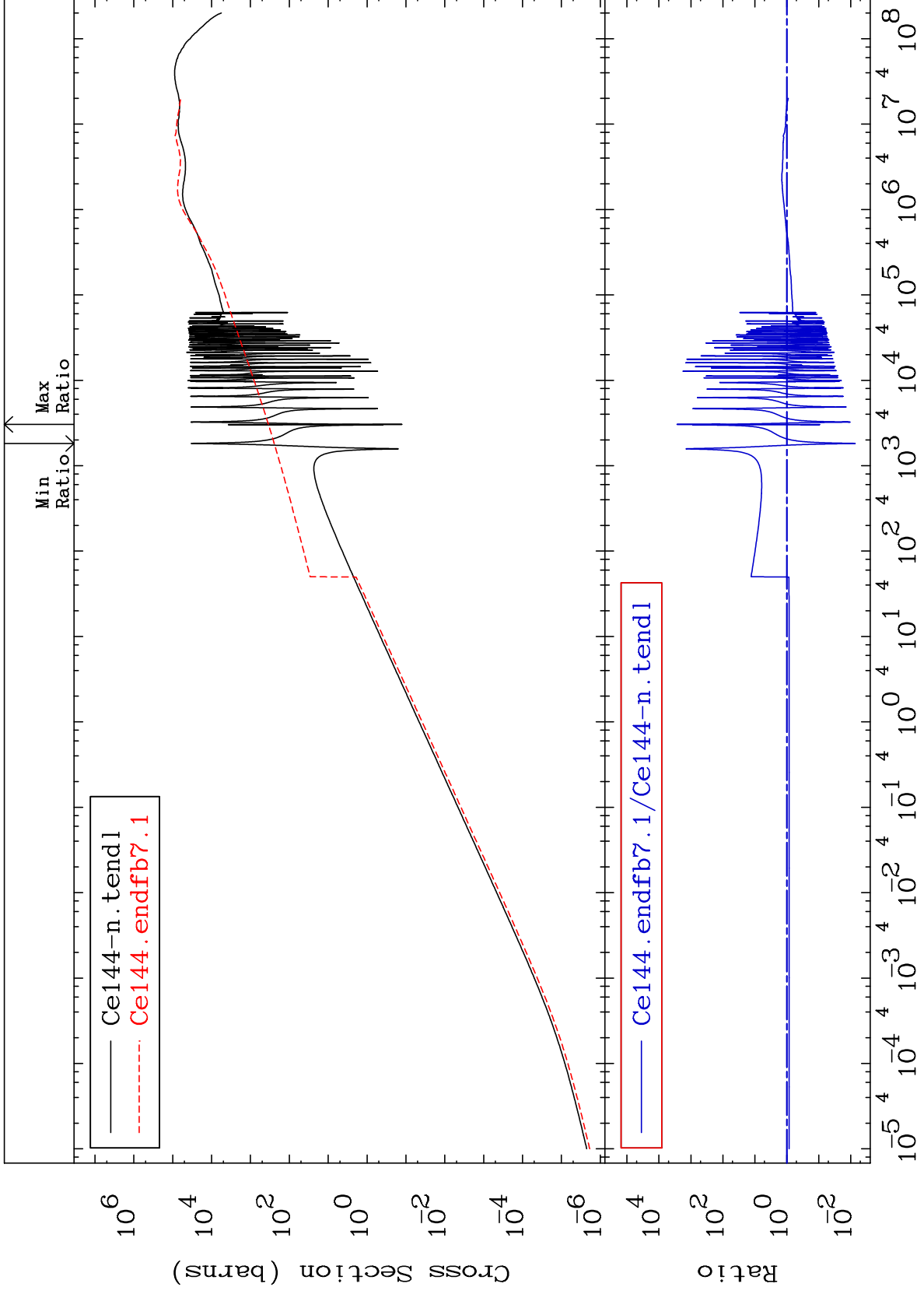
58-Ce-144



MAT 5849

Kerma elastic
Cross Section

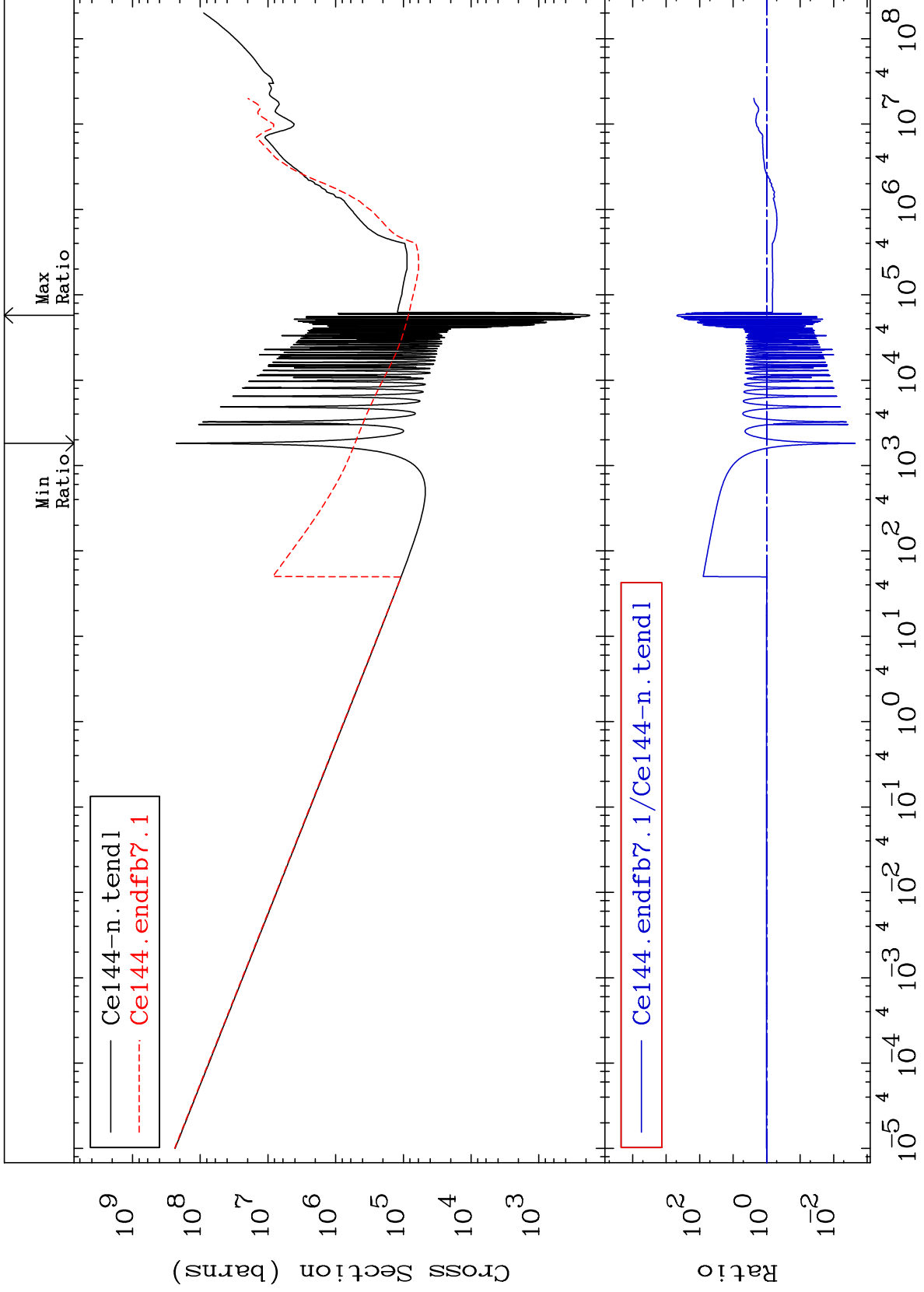
58-Ce-144
-99.27 To 9999. %



MAT 5849

Kerma non-elastic (all but mt2)
Cross Section

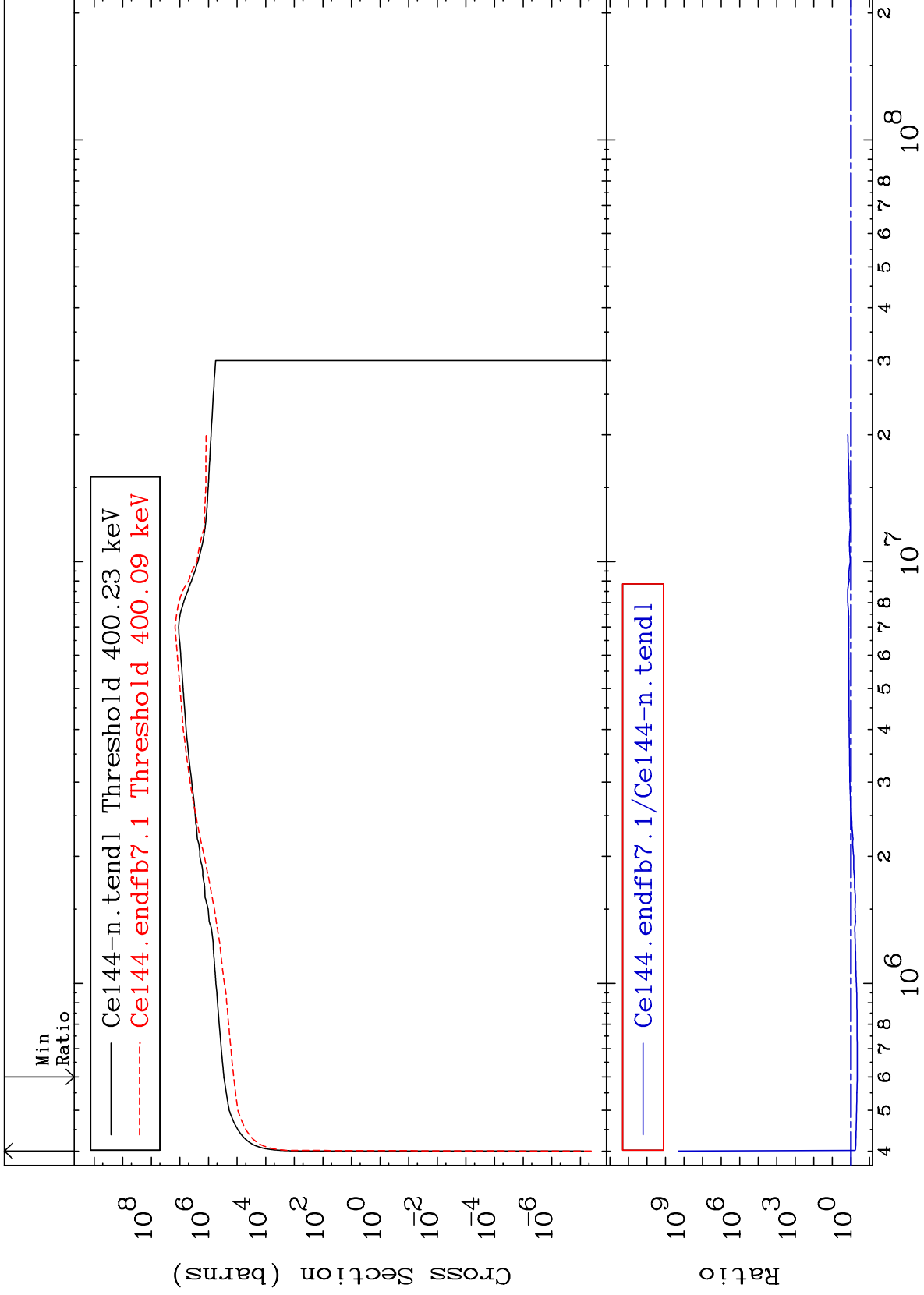
58-Ce-144
-99.77 To 9999. %



MAT 5849

Kerma inelastic (mt51-91)
Cross Section

58-Ce-144
-54.46 To 9999. %

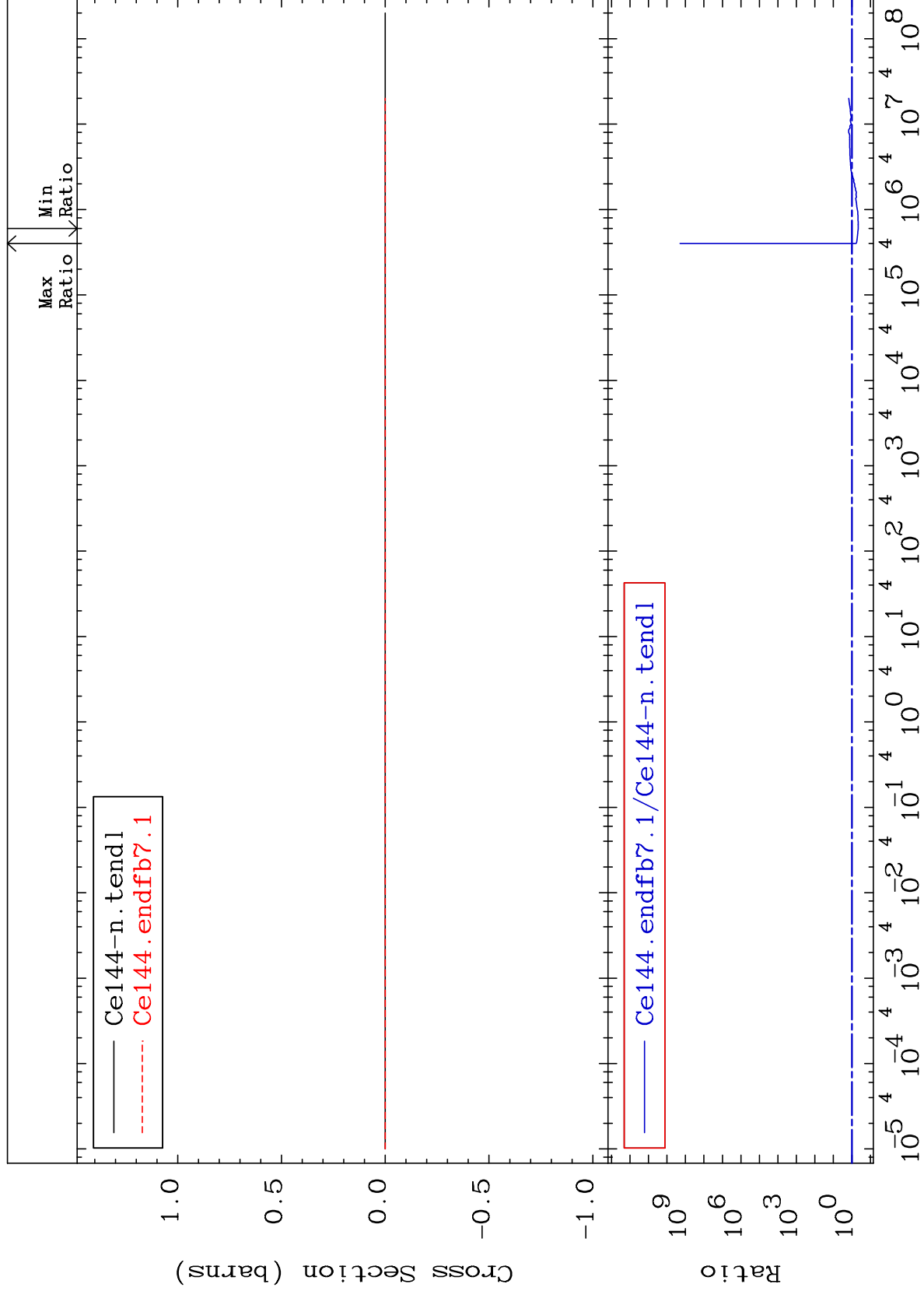


MAT 5849

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

58-Ce-144

-54.46 To 9999. %



26

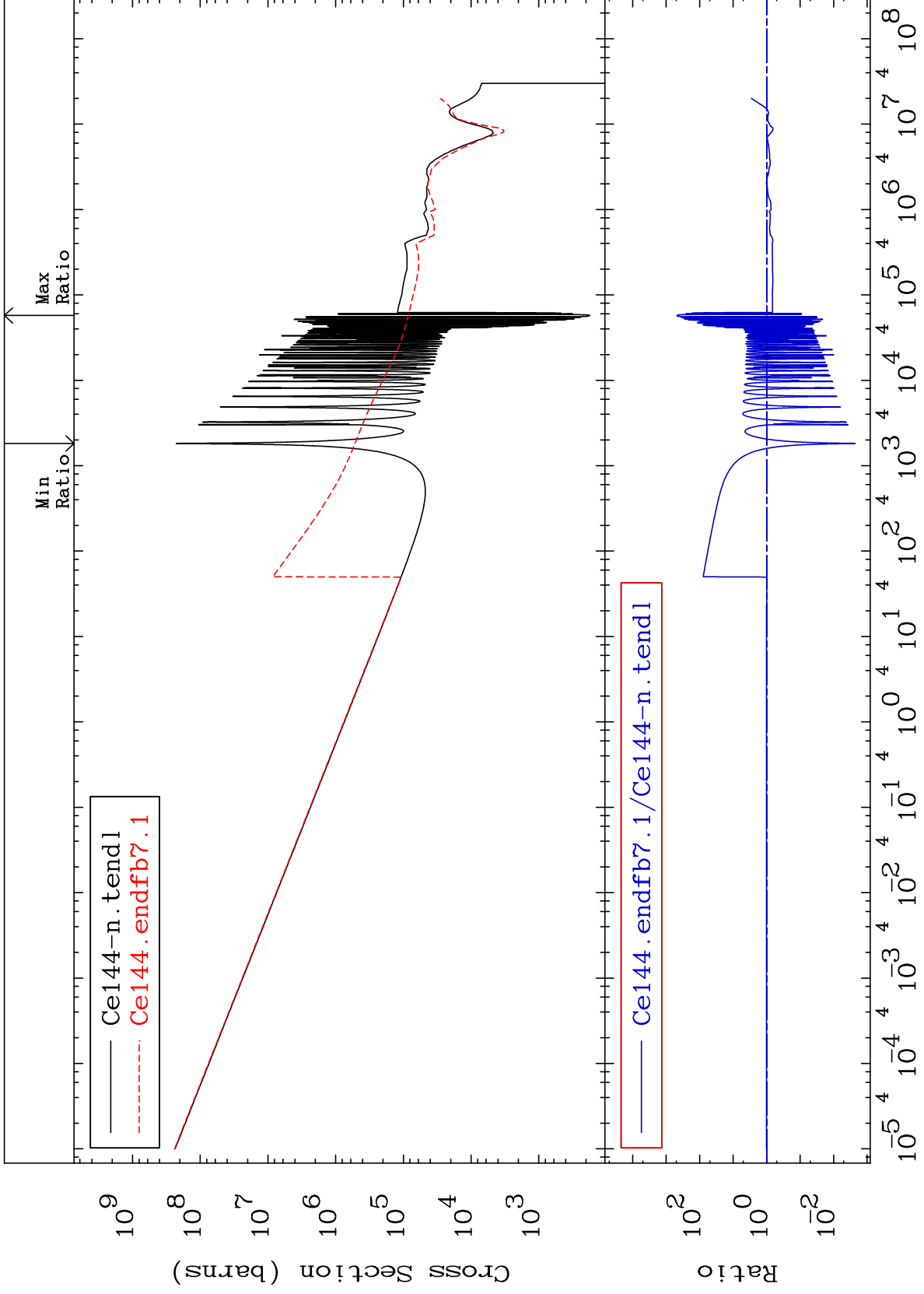
Incident Energy (eV)

58-Ce-144

MAT 5849

Kerma capture (mt102)
Cross Section

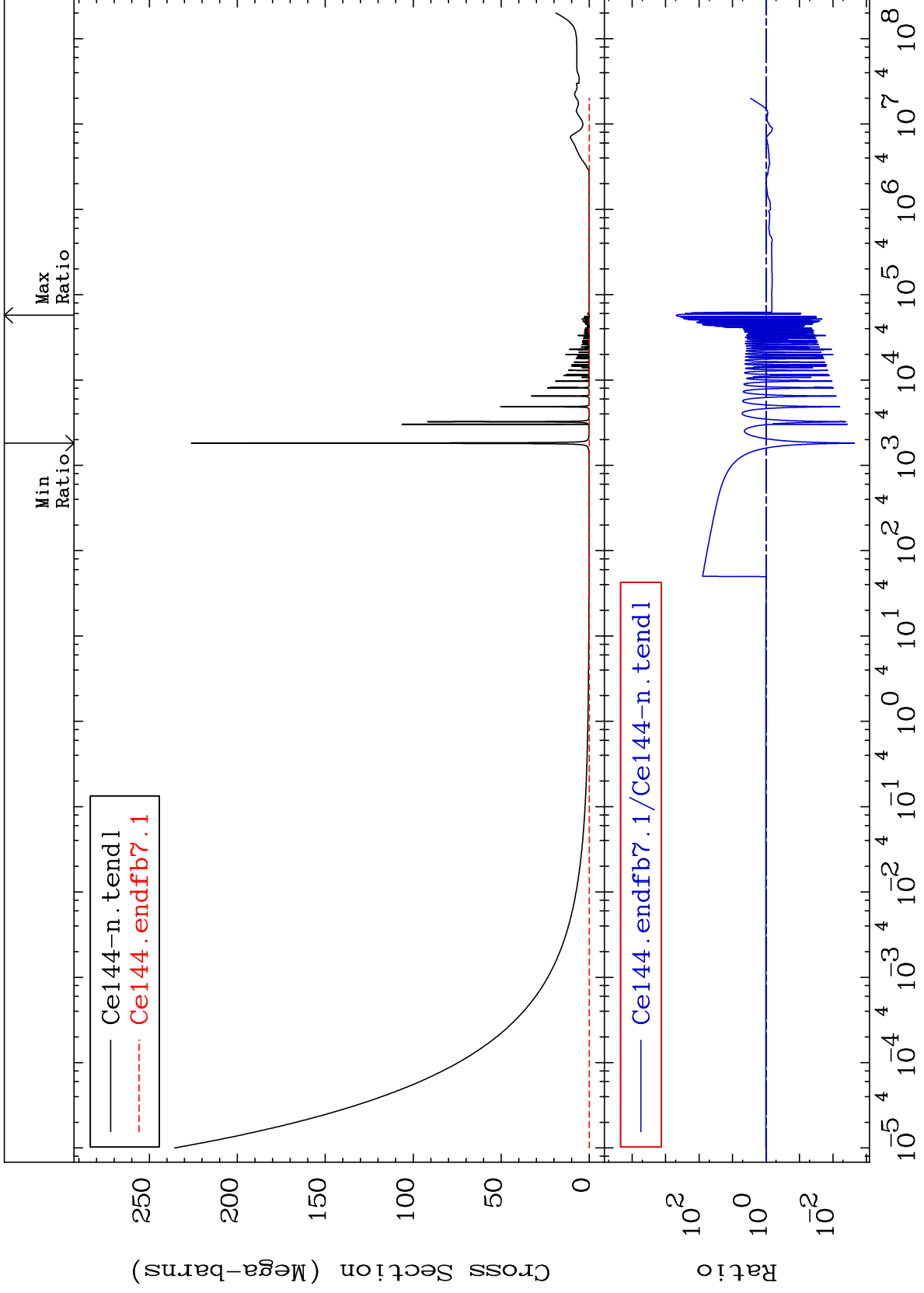
58-Ce-144
-99.77 To 9999. %



MAT 5849

Total photon (eV-barns)
Cross Section

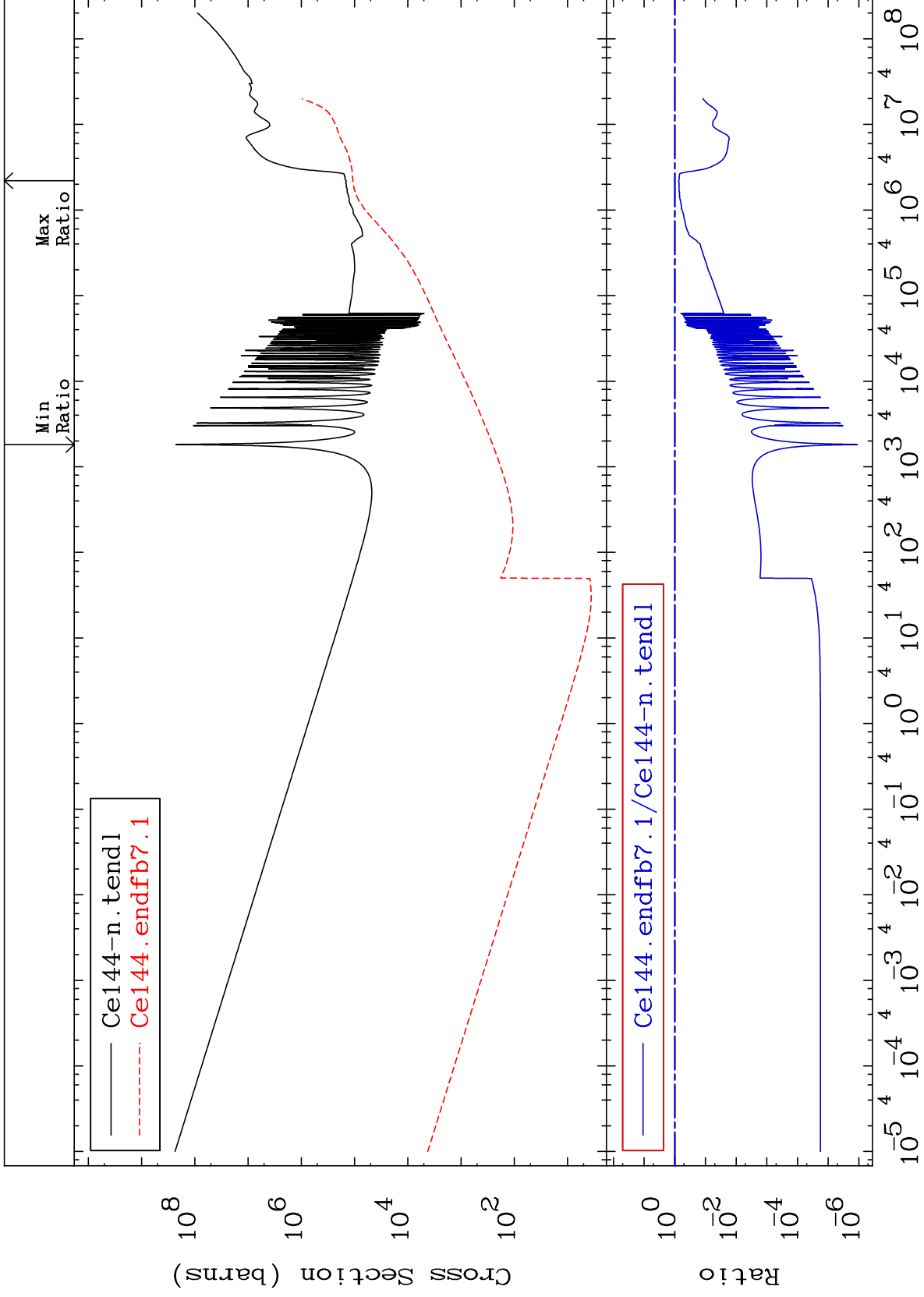
58-Ce-144
-99.77 To 9999. %



28

Incident Energy (eV)

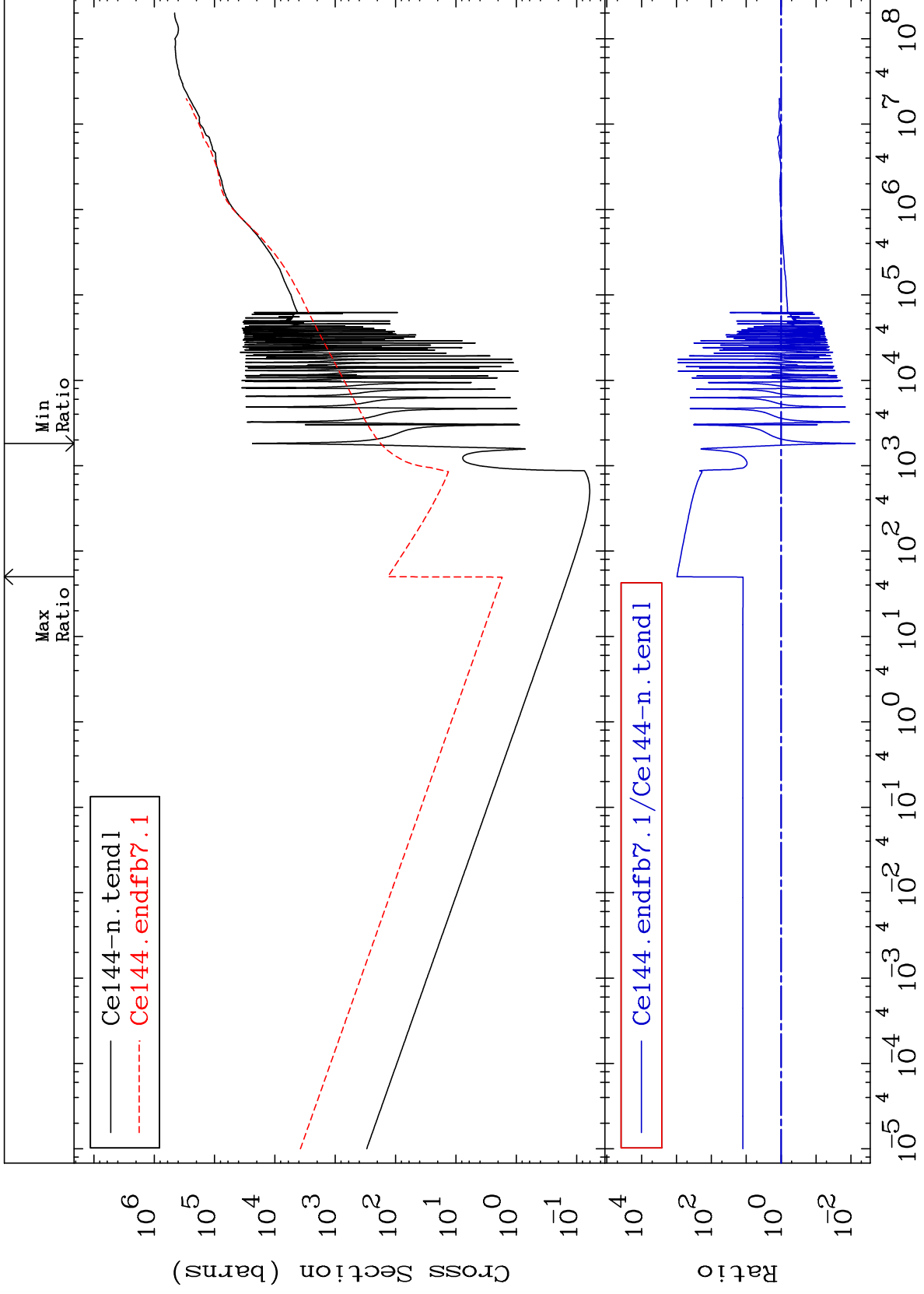
58-Ce-144

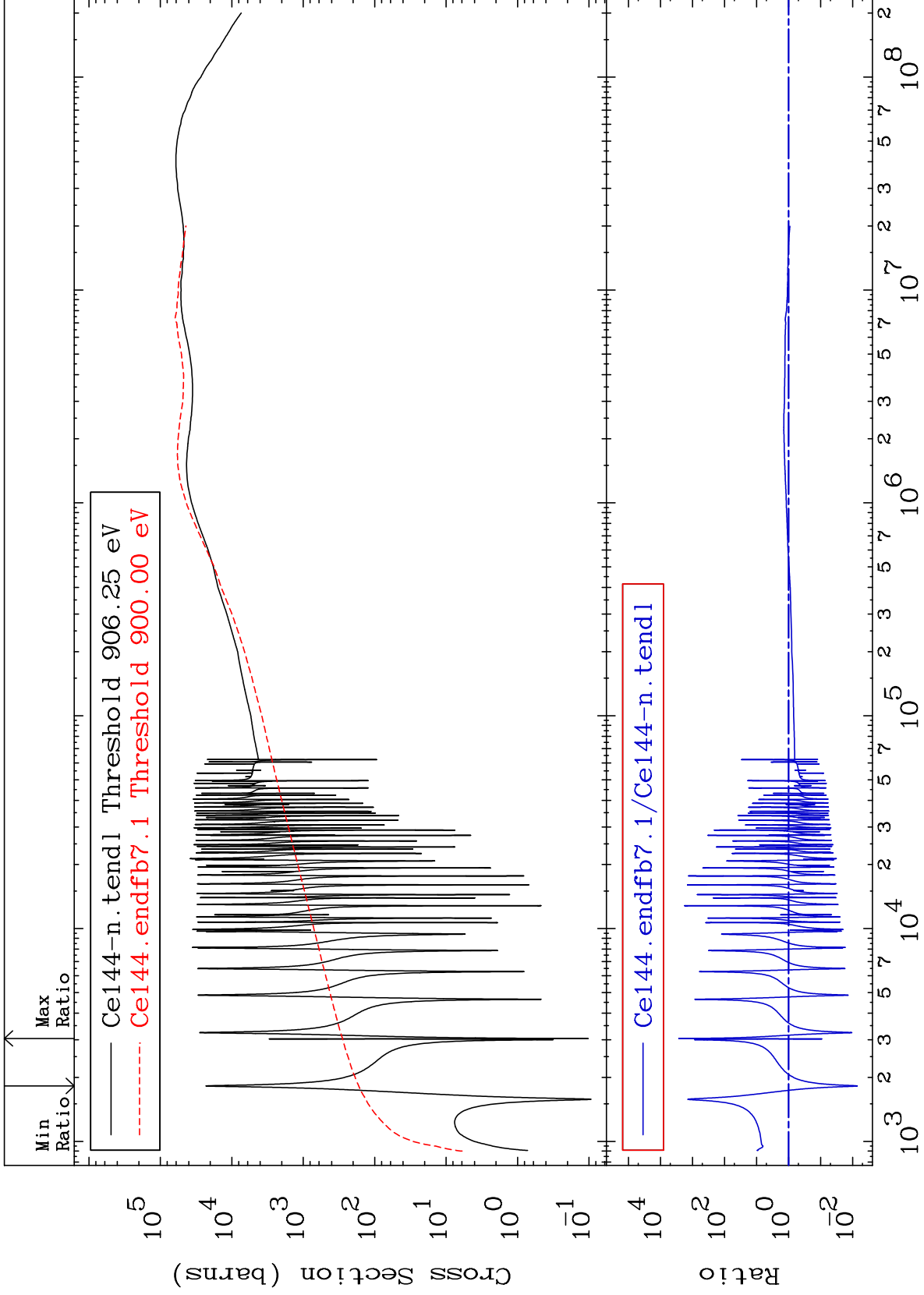


MAT 5849

Dpa total (eV-barns)
Cross Section

58-Ce-144
-99.24 To 9999. %

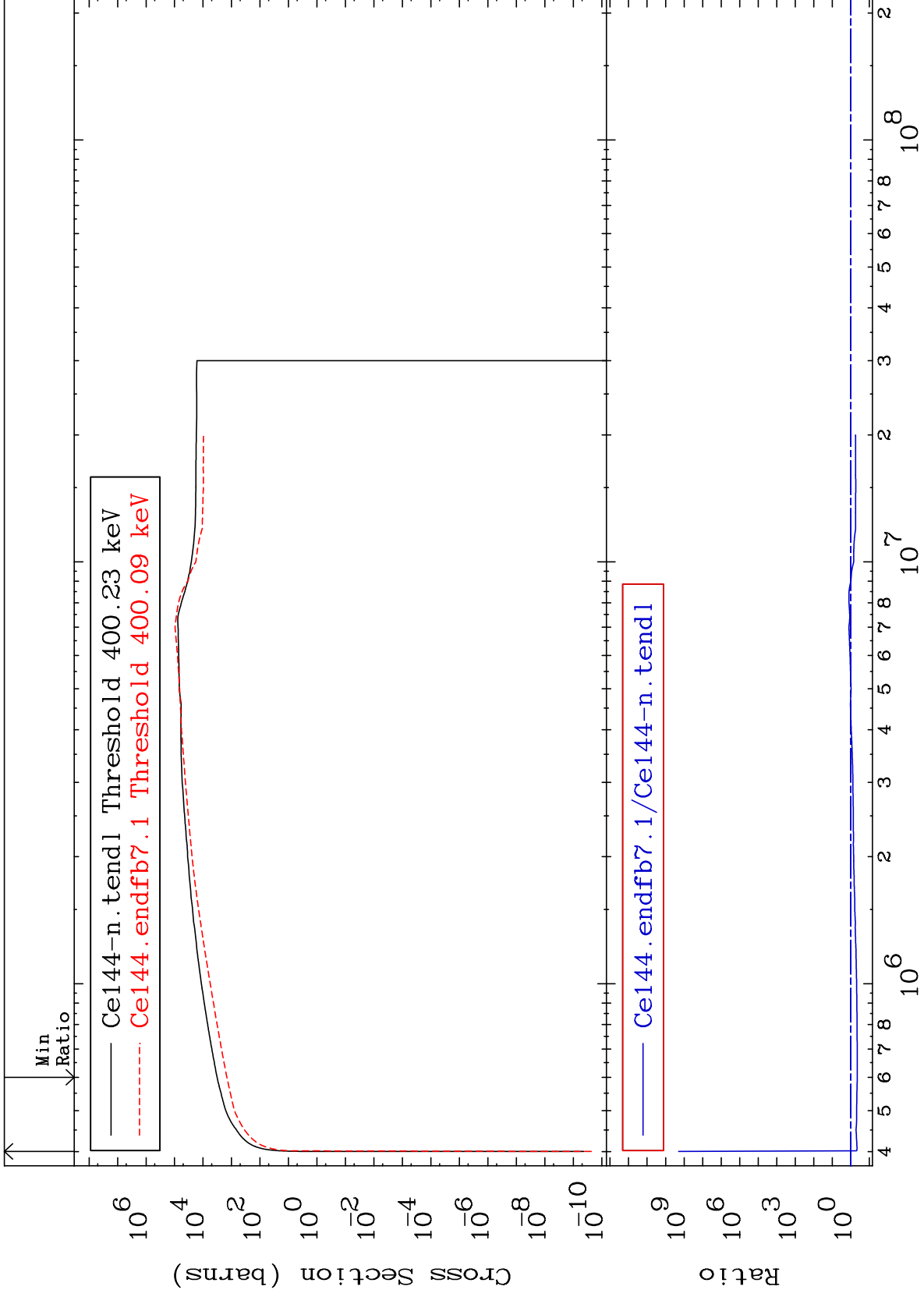




MAT 5849

Dpa inelastic (mt51-91)
Cross Section

58-Ce-144
-54.82 To 9999. %



MAT 5849

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-144
-96.74 To 9999. %

