

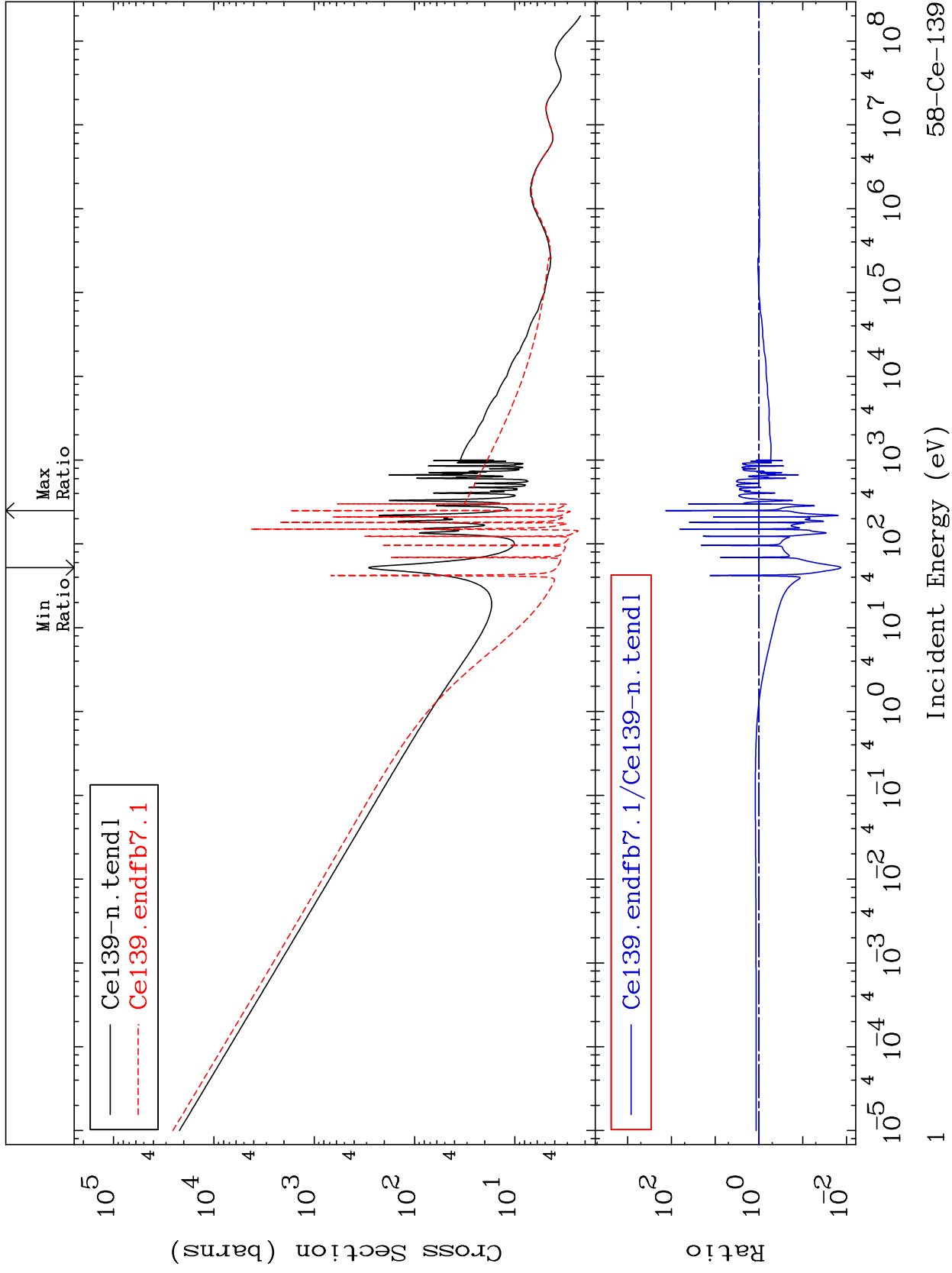
MAT 5834

Total

58-Ce-139

Cross Section

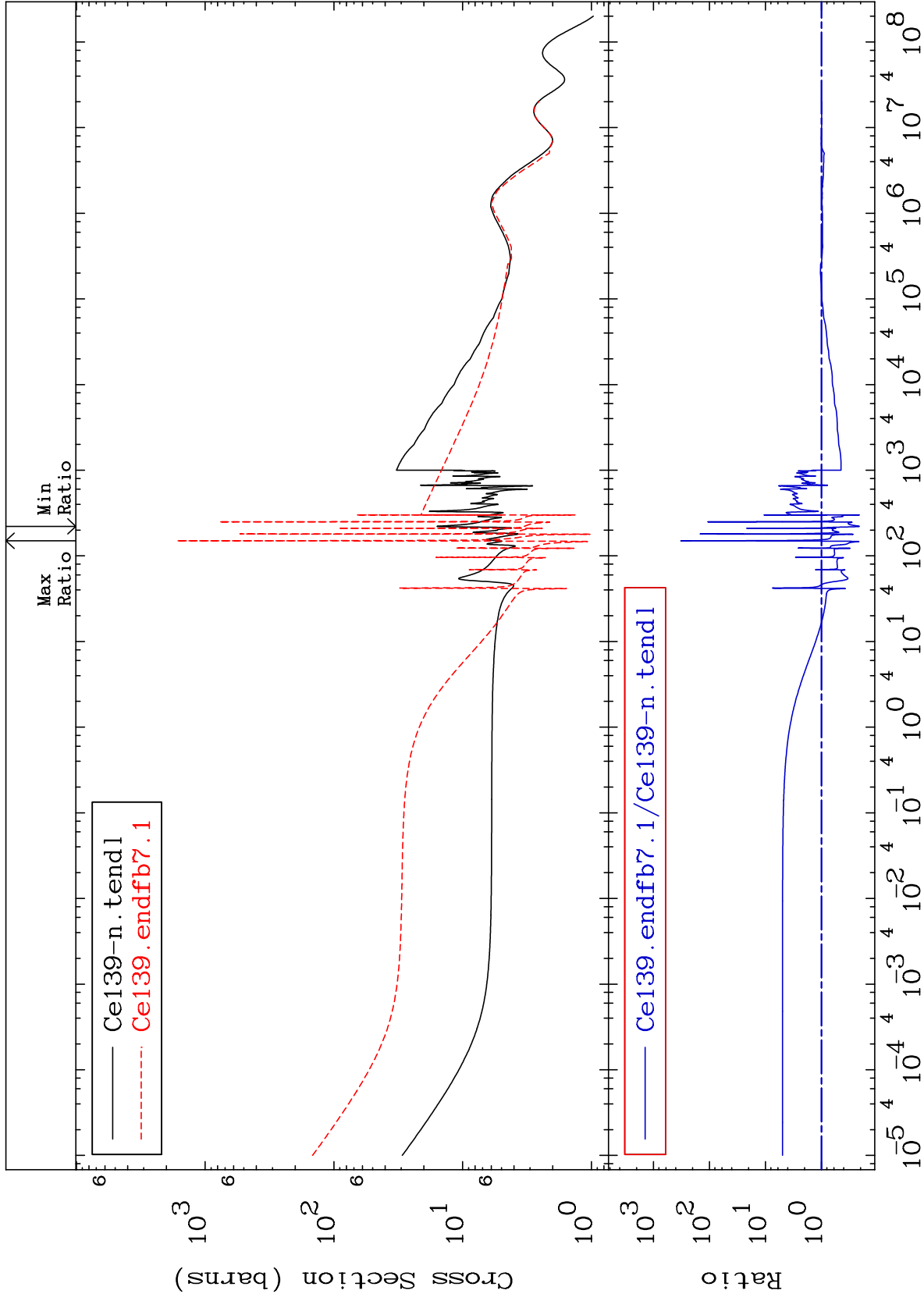
-98.66 To 9999. %



MAT 5834

Elastic
Cross Section

58-Ce-139
-79.06 To 9999. %



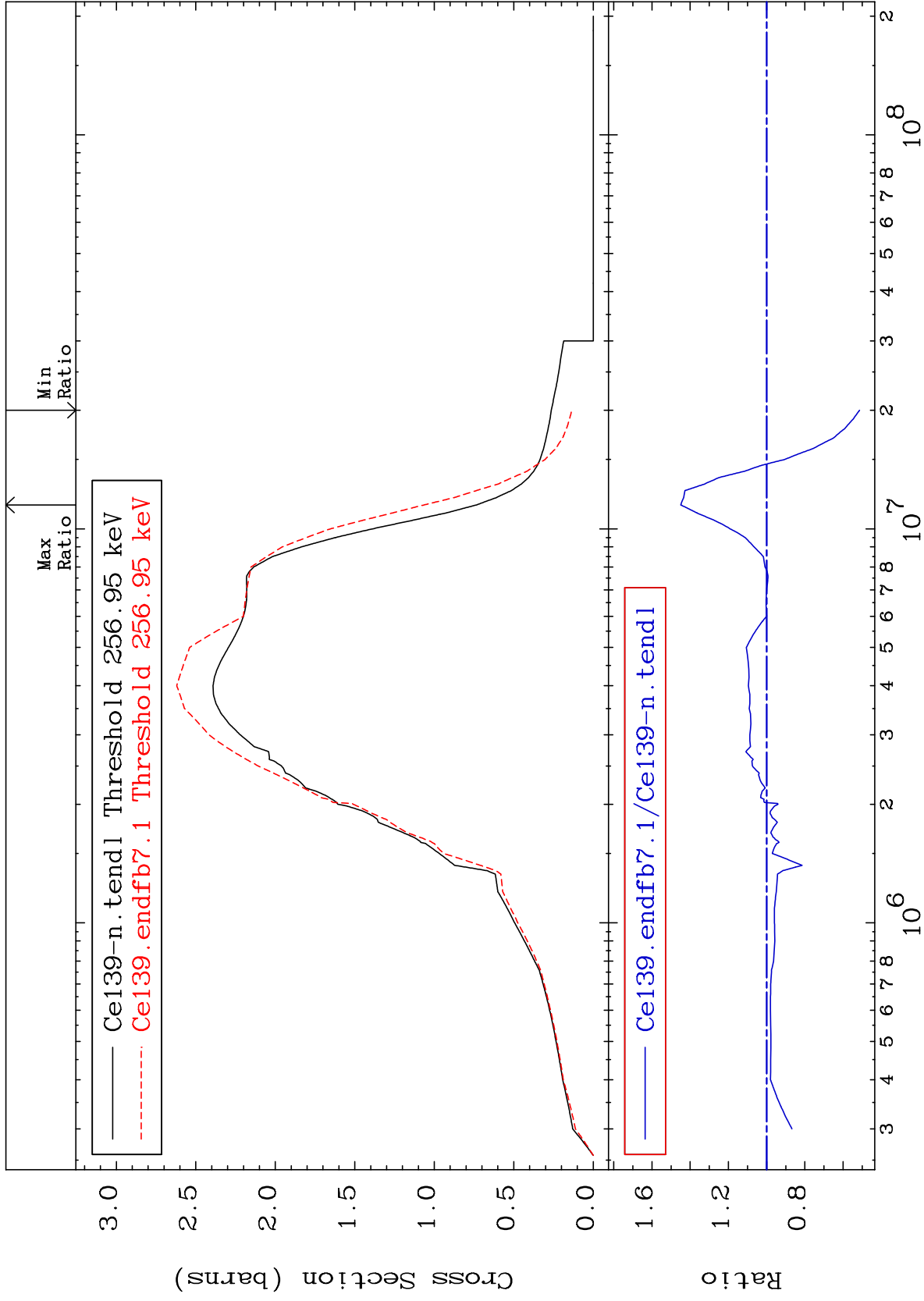
Incident Energy (eV)

58-Ce-139

2

MAT 5834

Inelastic Cross Section
58-Ce-139
-48.60 To 44.93 %



3

Incident Energy (eV)

58-Ce-139

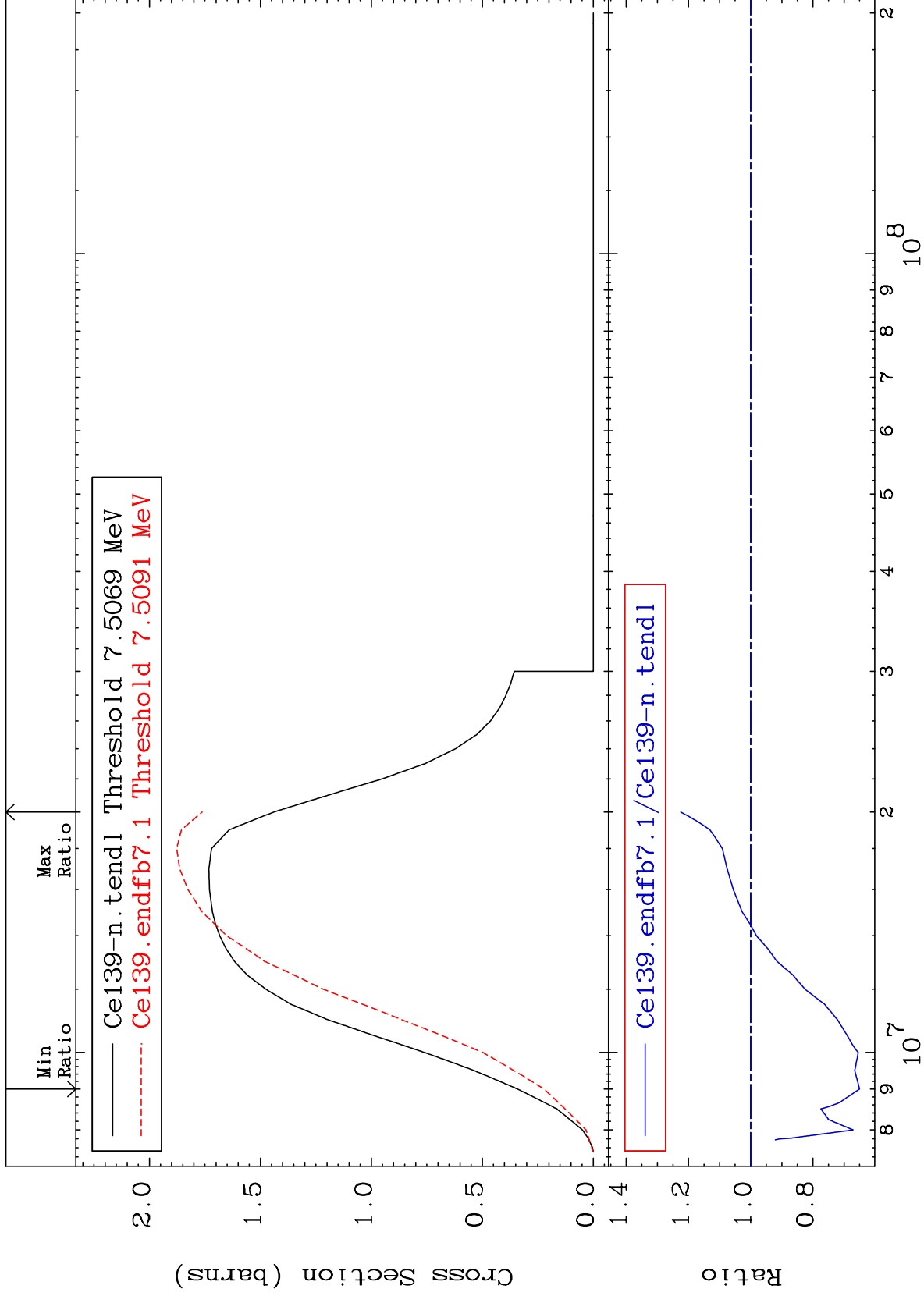
MAT 5834

(n,2n)

58-Ce-139

Cross Section

-34.98 To 22.48 %



4

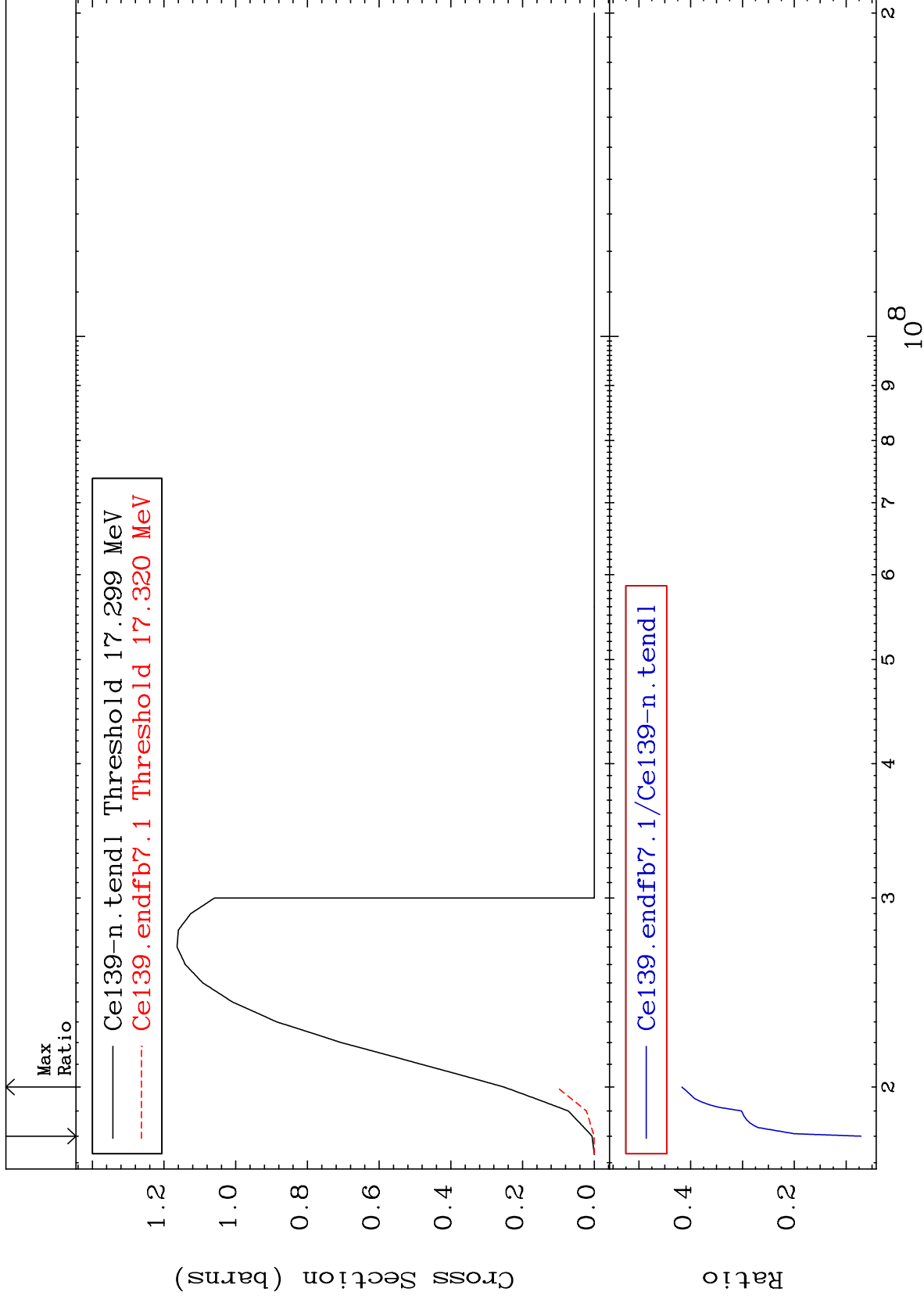
Incident Energy (eV)

58-Ce-139

MAT 5834

(n,3n)
Cross Section

58-Ce-139
-92.87 To -58.31%



5

Incident Energy (eV)

58-Ce-139

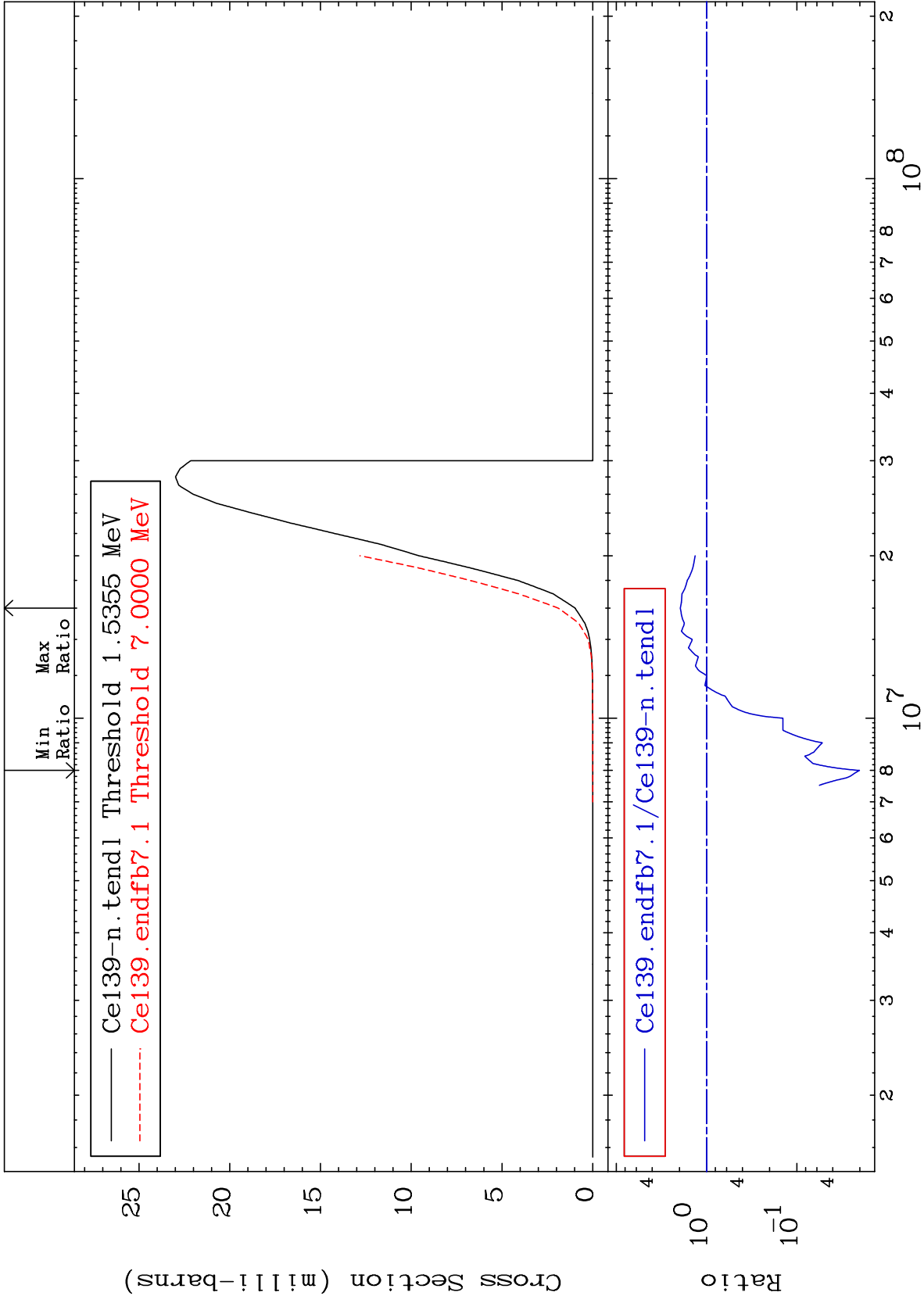
MAT 5834

(n, n') α

58-Ce-139

Cross Section

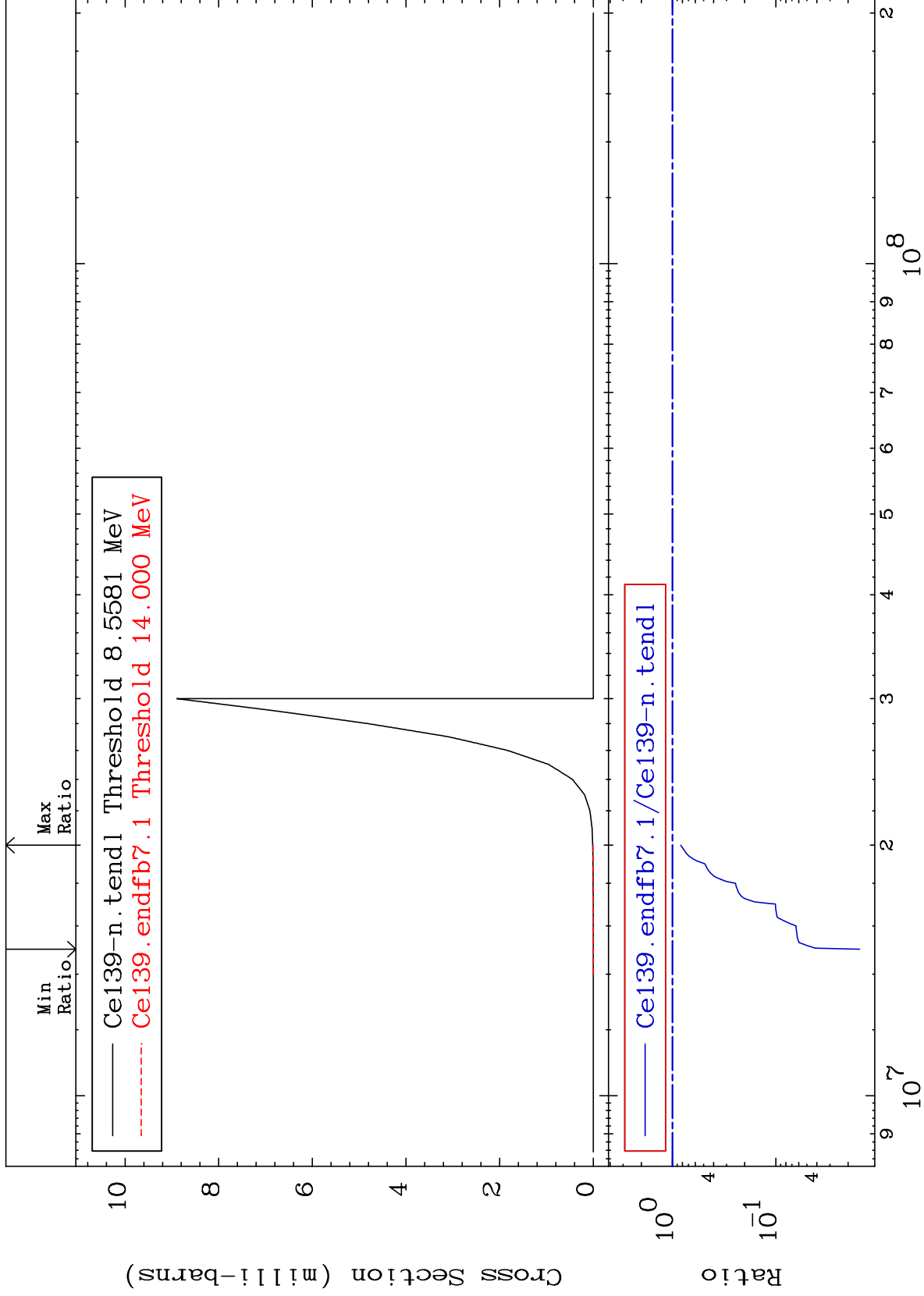
-97.98 To 95.06 %



MAT 5834

(n,2n) α
Cross Section

58-Ce-139
-98.45 To -16.92%



7

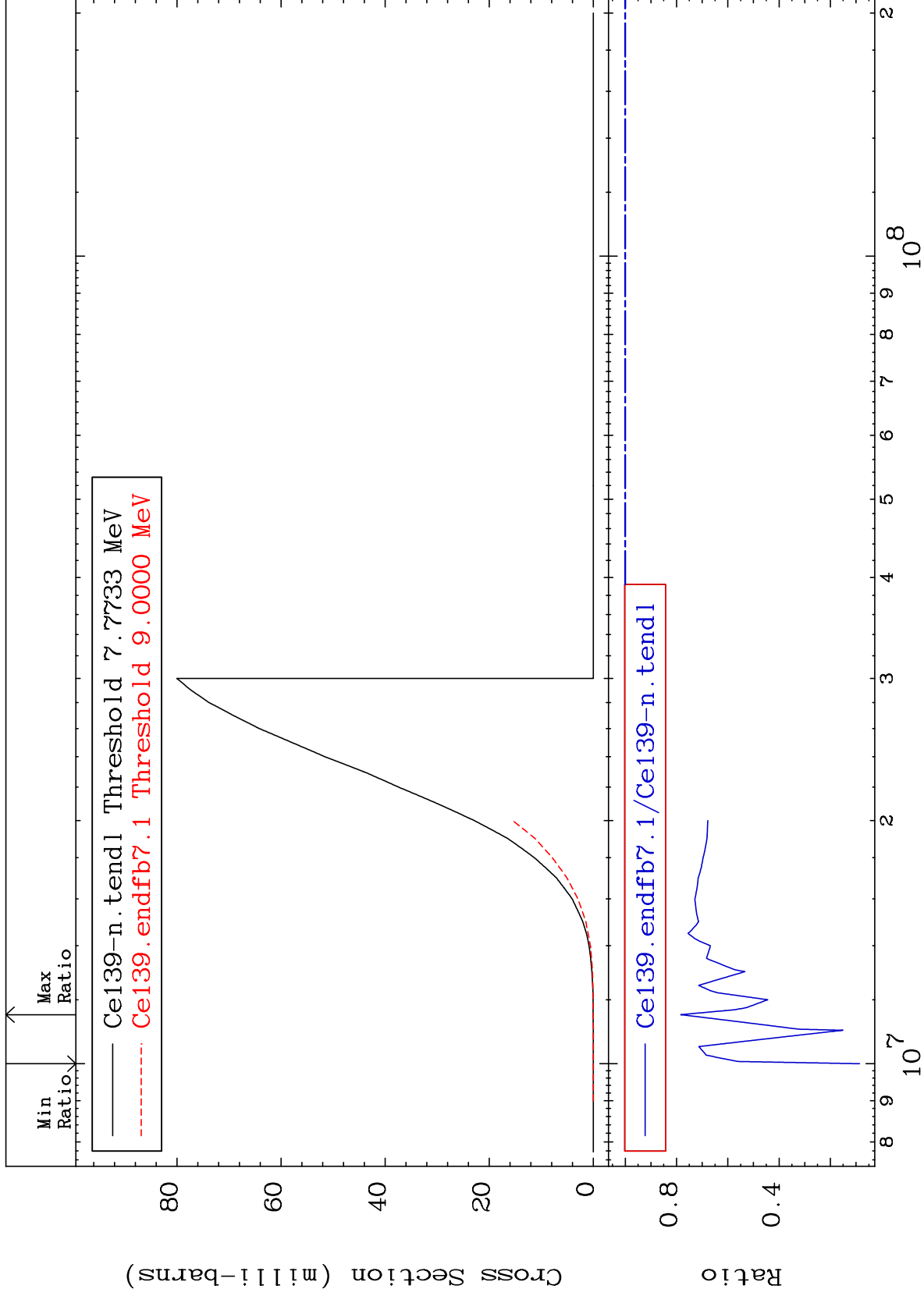
Incident Energy (eV)

58-Ce-139

MAT 5834

(n,n') p
Cross Section

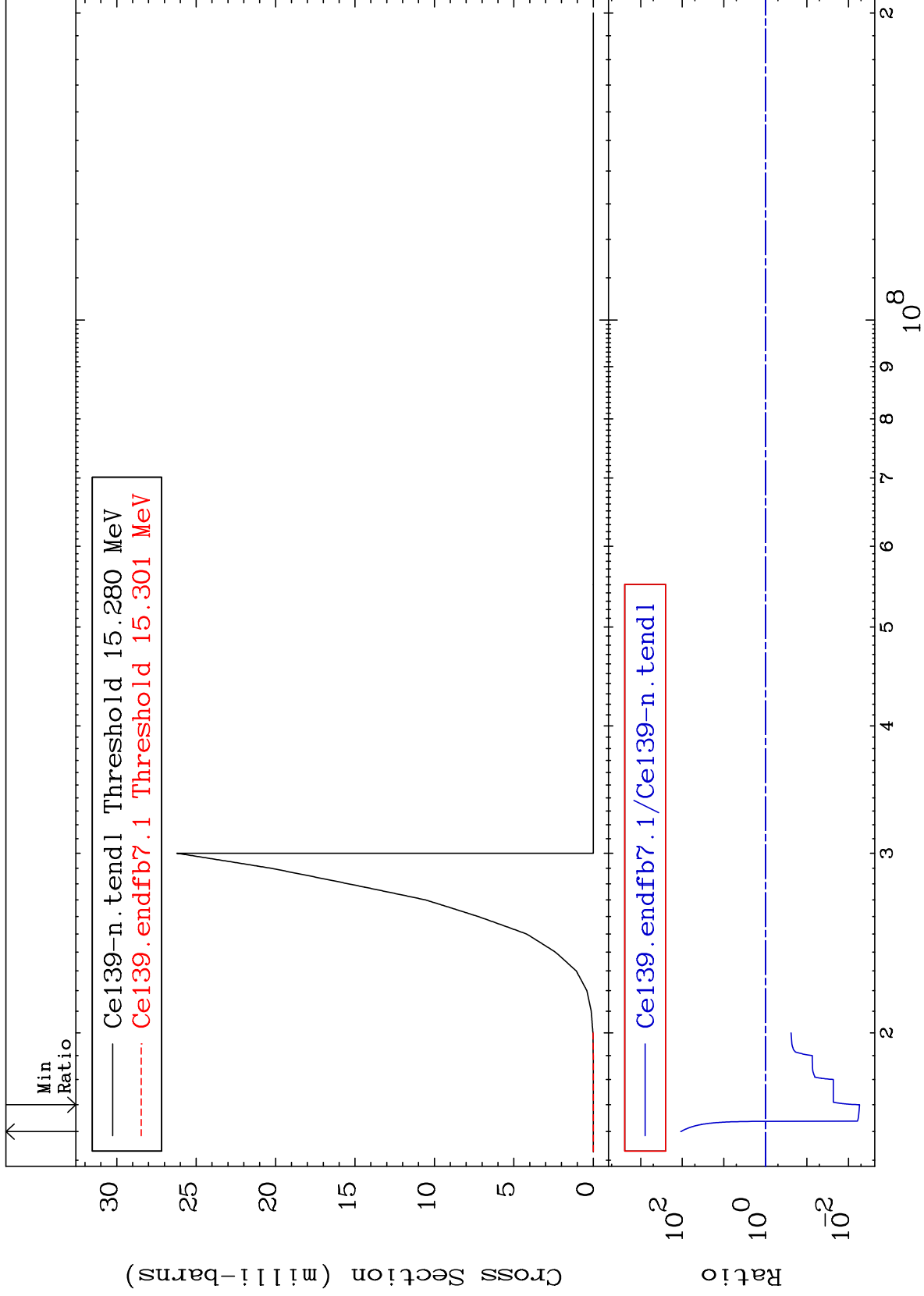
58-Ce-139
-91.38 To -21.65%



8

Incident Energy (eV)

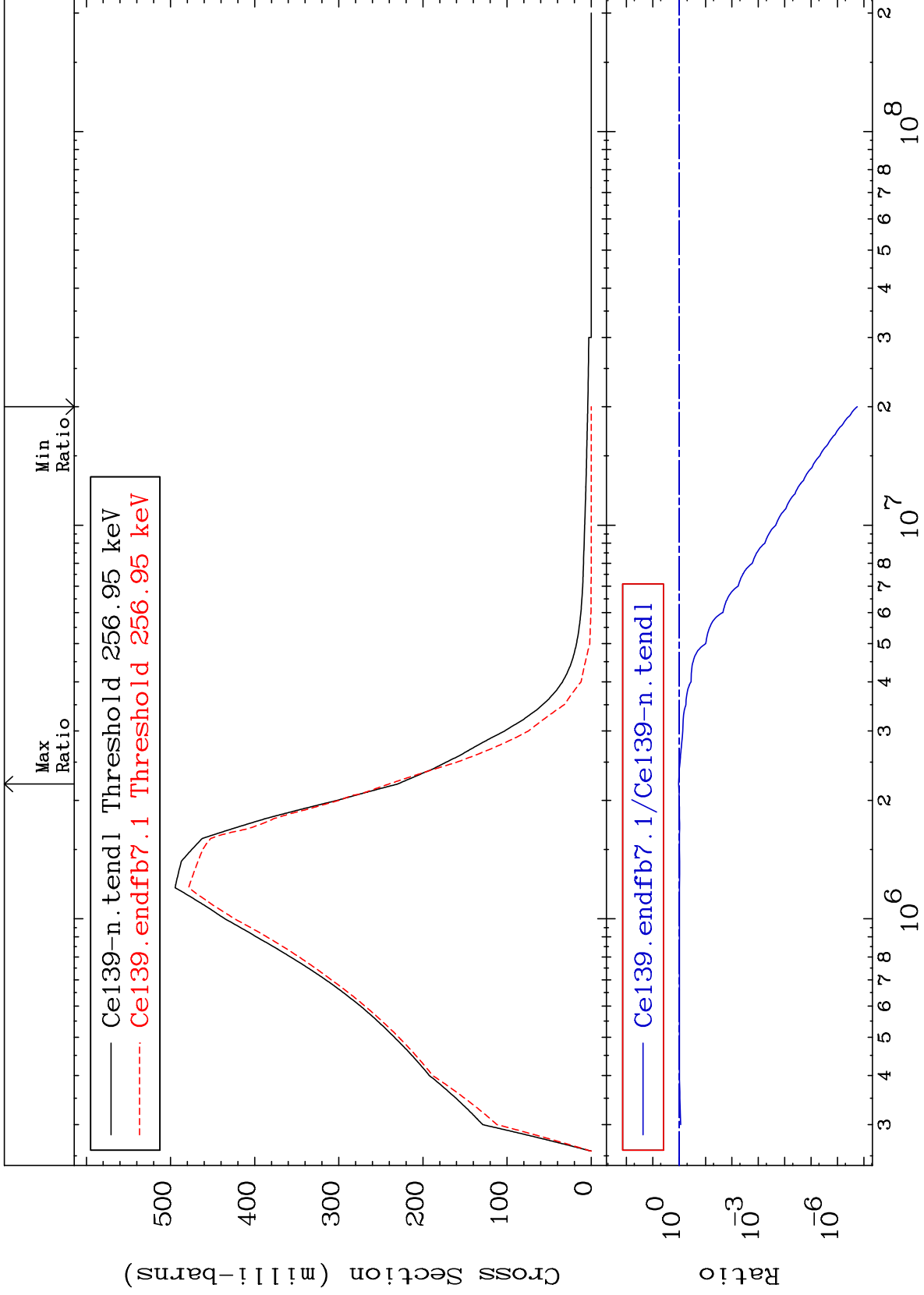
58-Ce-139



MAT 5834

255.1 keV (n,n') Level
Cross Section

58-Ce-139
-100.0 To 4.456 %



10

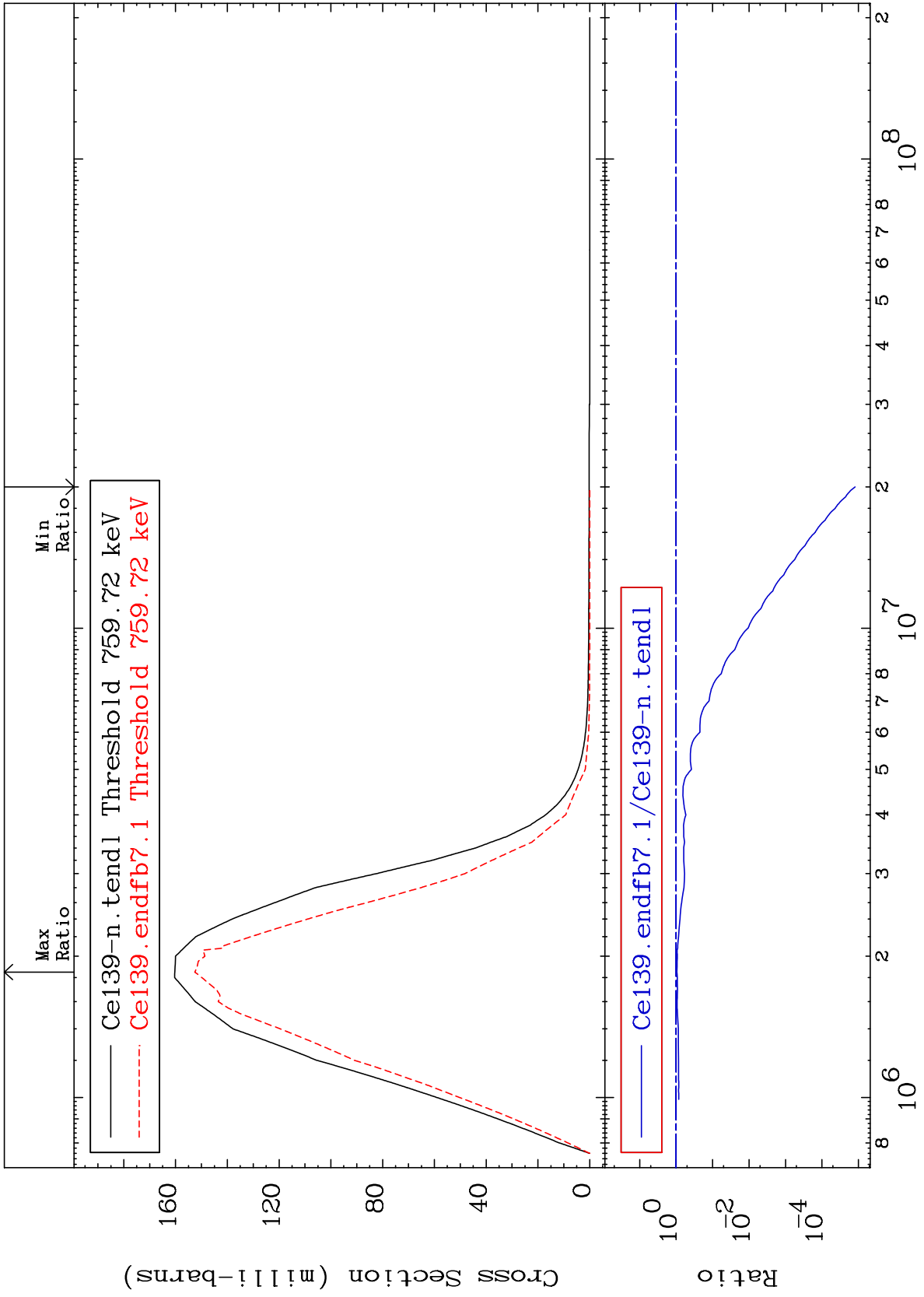
Incident Energy (eV)

58-Ce-139

MAT 5834

754.2 keV (n,n') Level
Cross Section

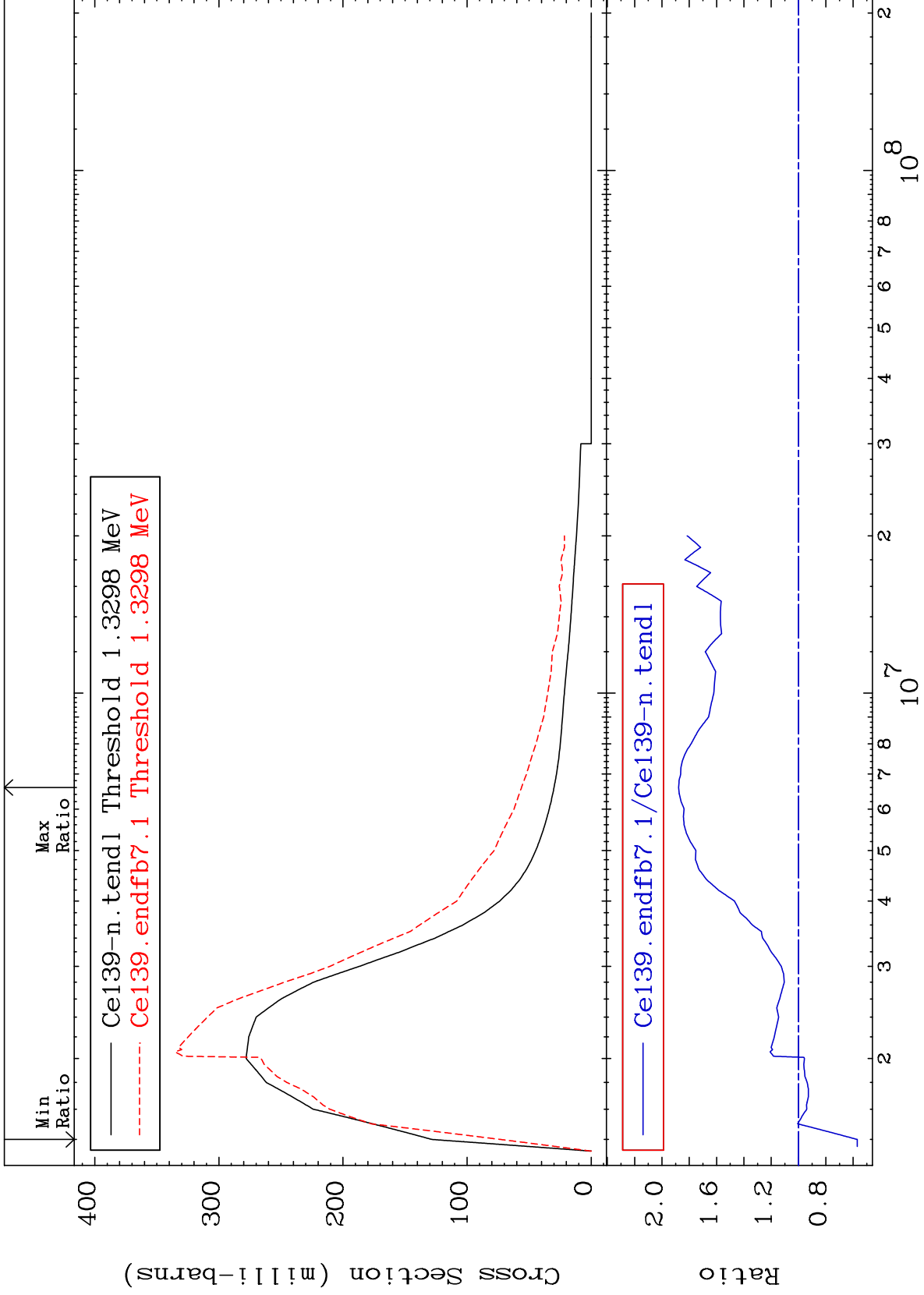
58-Ce-139
-100.0 To -4.821%



MAT 5834

1.320 MeV (n,n') Level
Cross Section

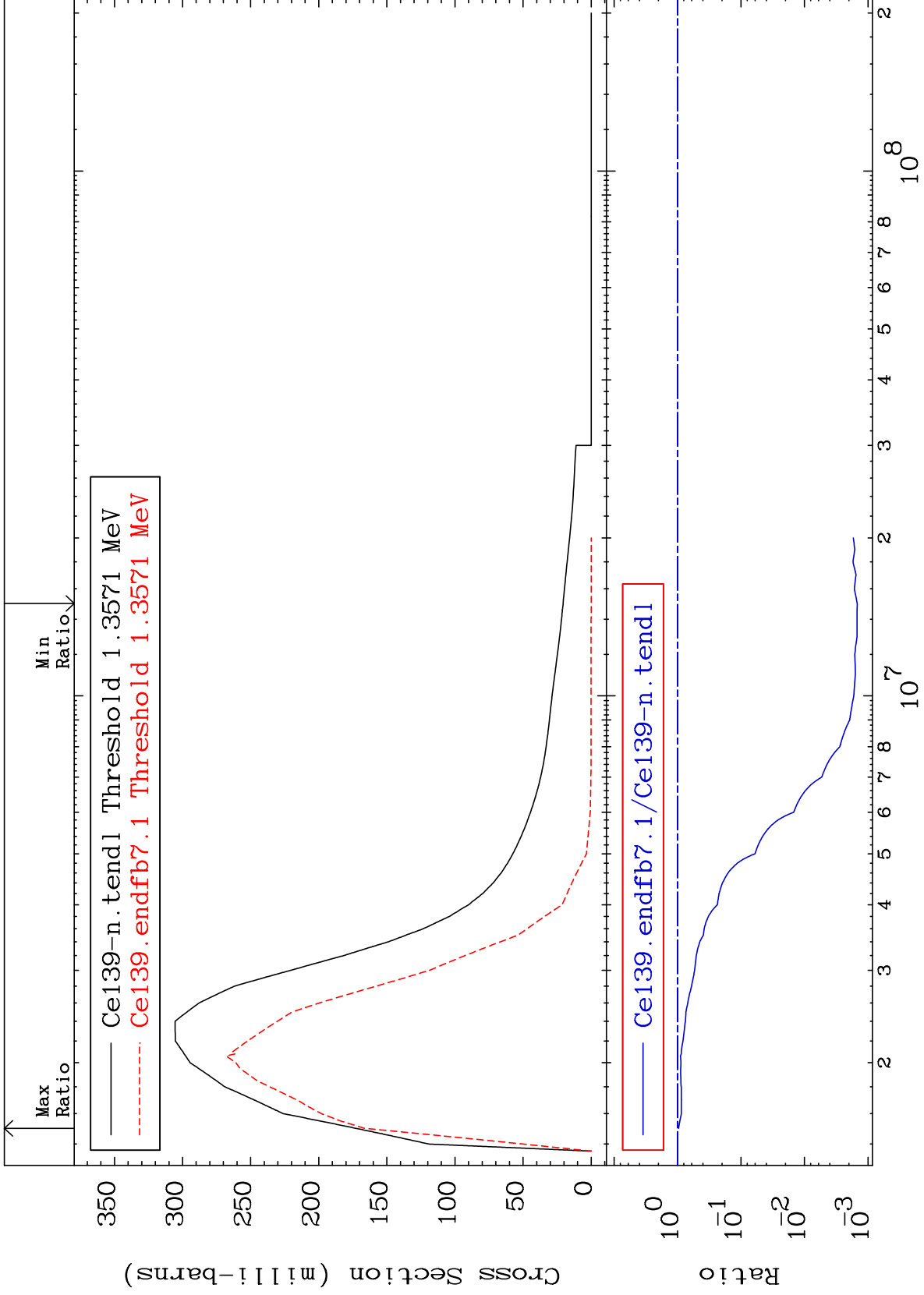
58-Ce-139
-43.00 To 87.78 %



MAT 5834

1.347 MeV (n,n') Level
Cross Section

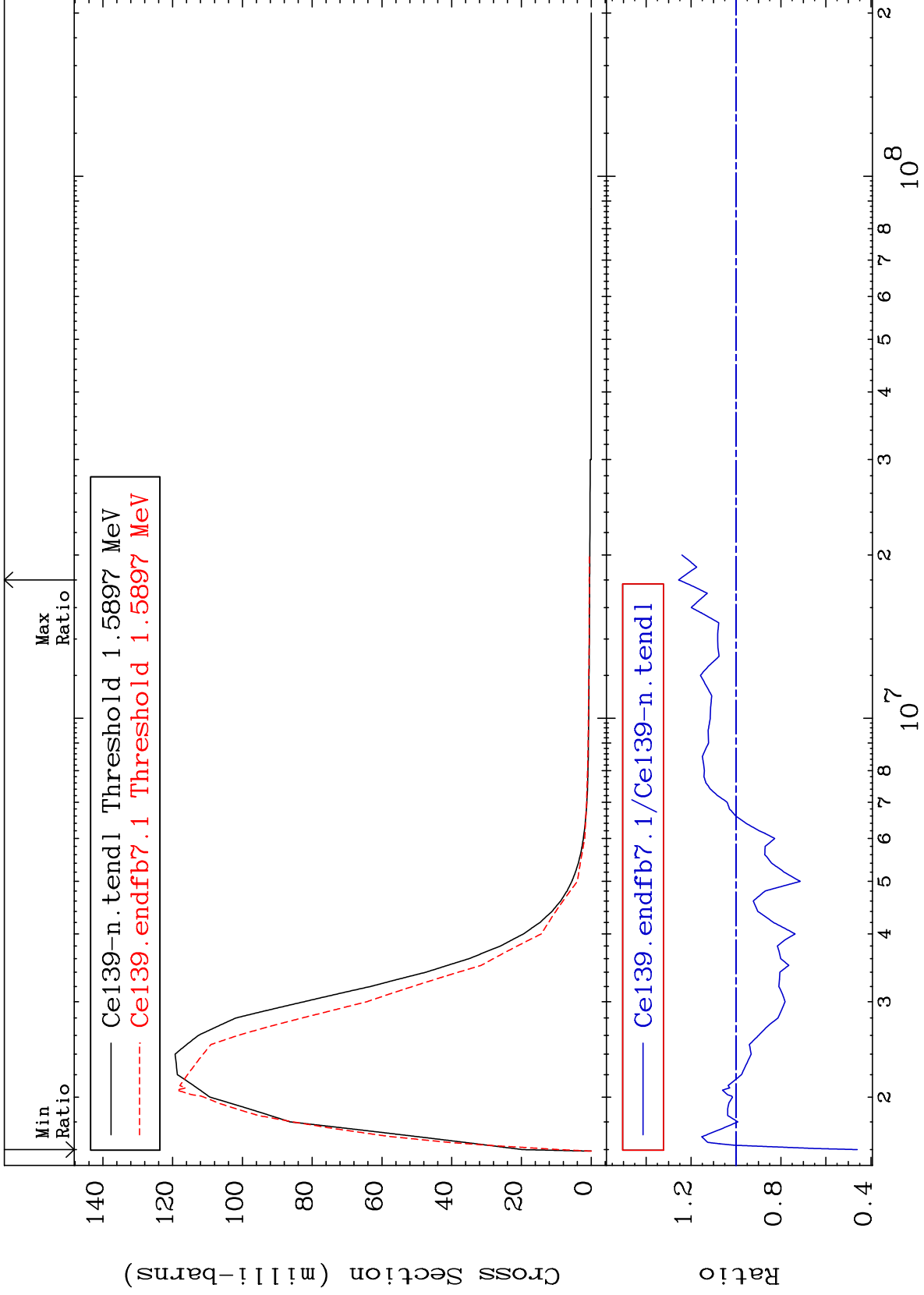
58-Ce-139
-99.85 To -3.636%



MAT 5834

1.578 MeV (n,n') Level
Cross Section

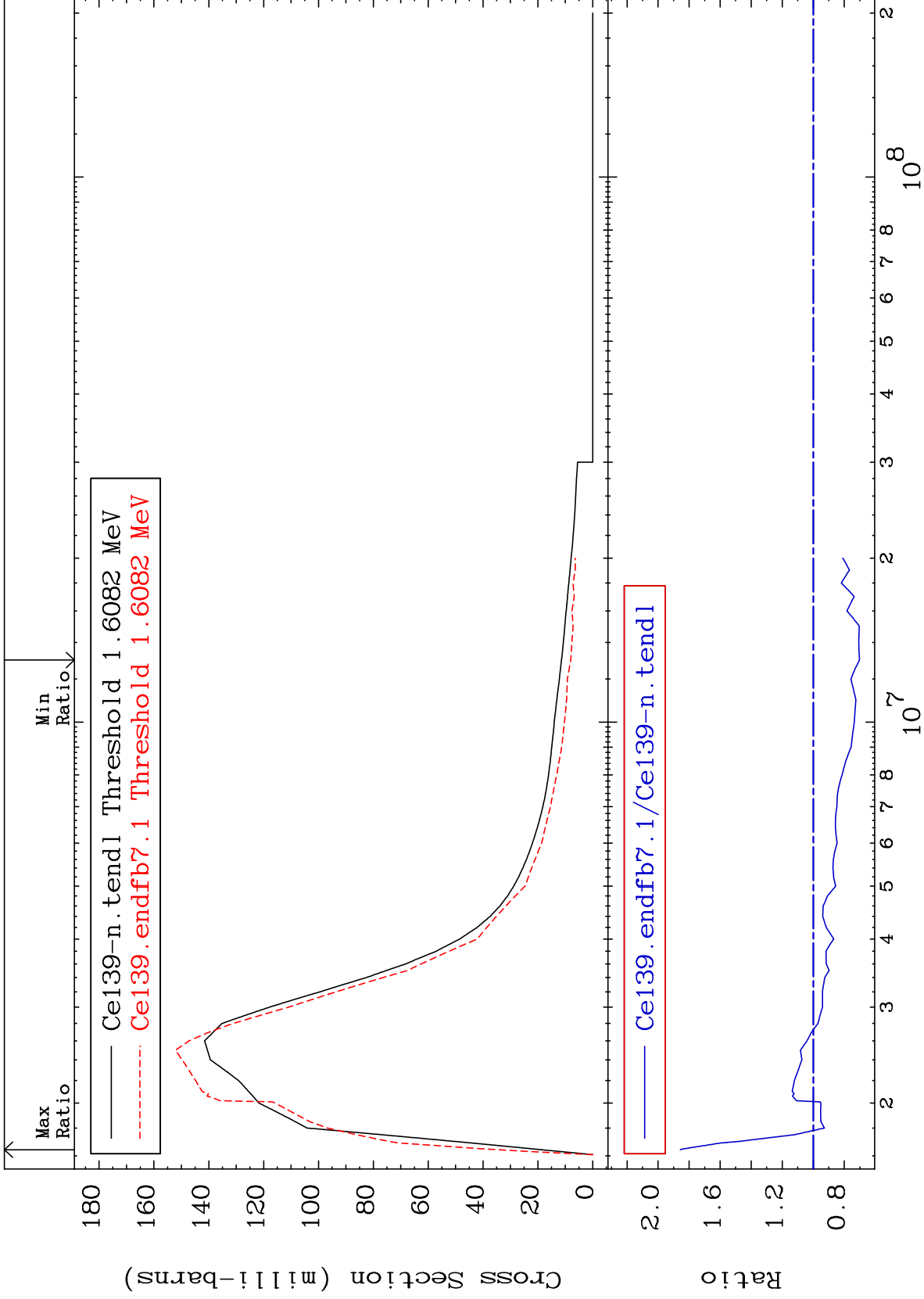
58-Ce-139
-53.93 To 25.51 %



MAT 5834

1.597 MeV (n,n') Level
Cross Section

58-Ce-139
-29.75 To 85.64 %



15

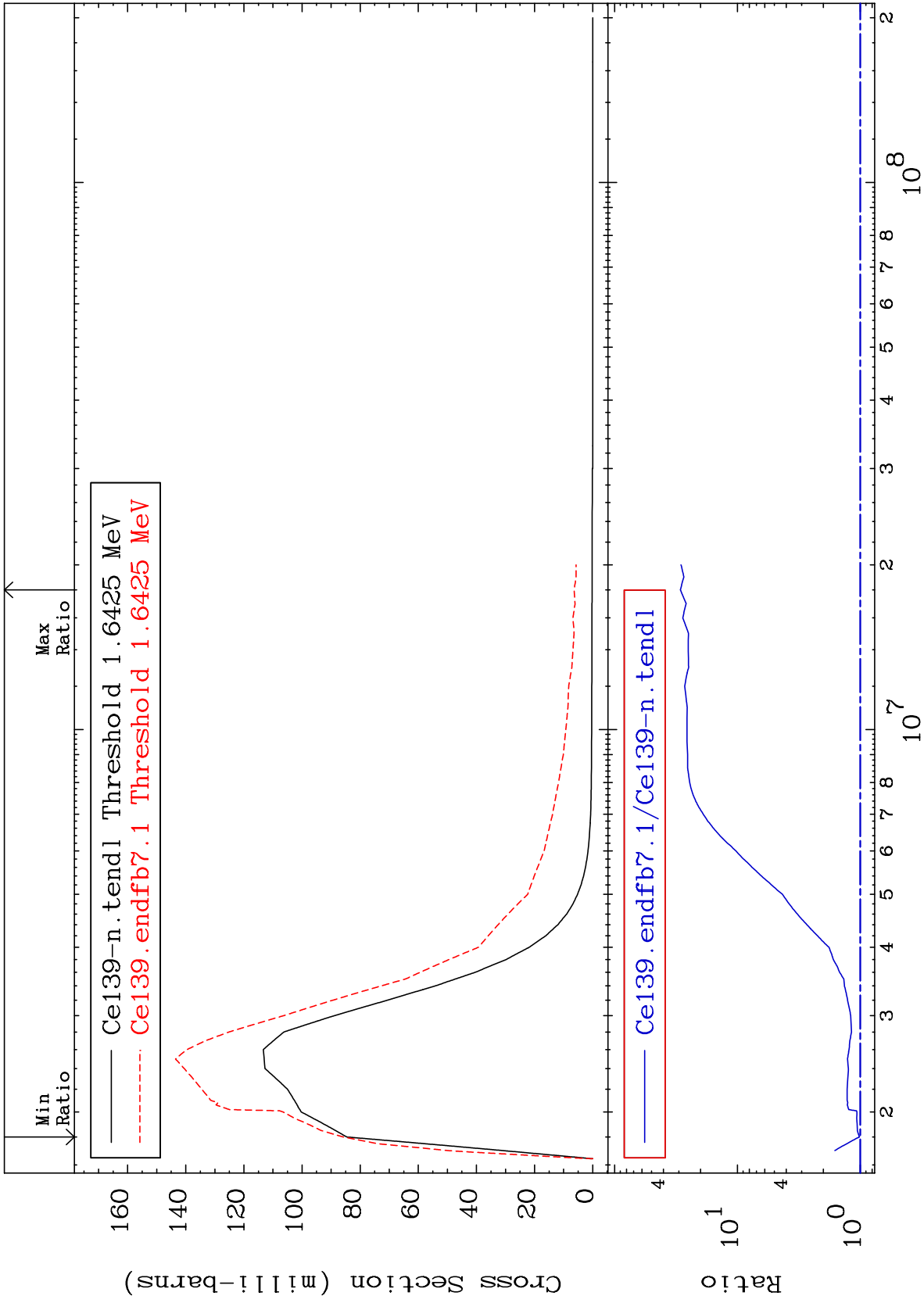
Incident Energy (eV)

58-Ce-139

MAT 5834

1.631 MeV (n,n') Level
Cross Section

58-Ce-139
1.476 To 2817. %



16

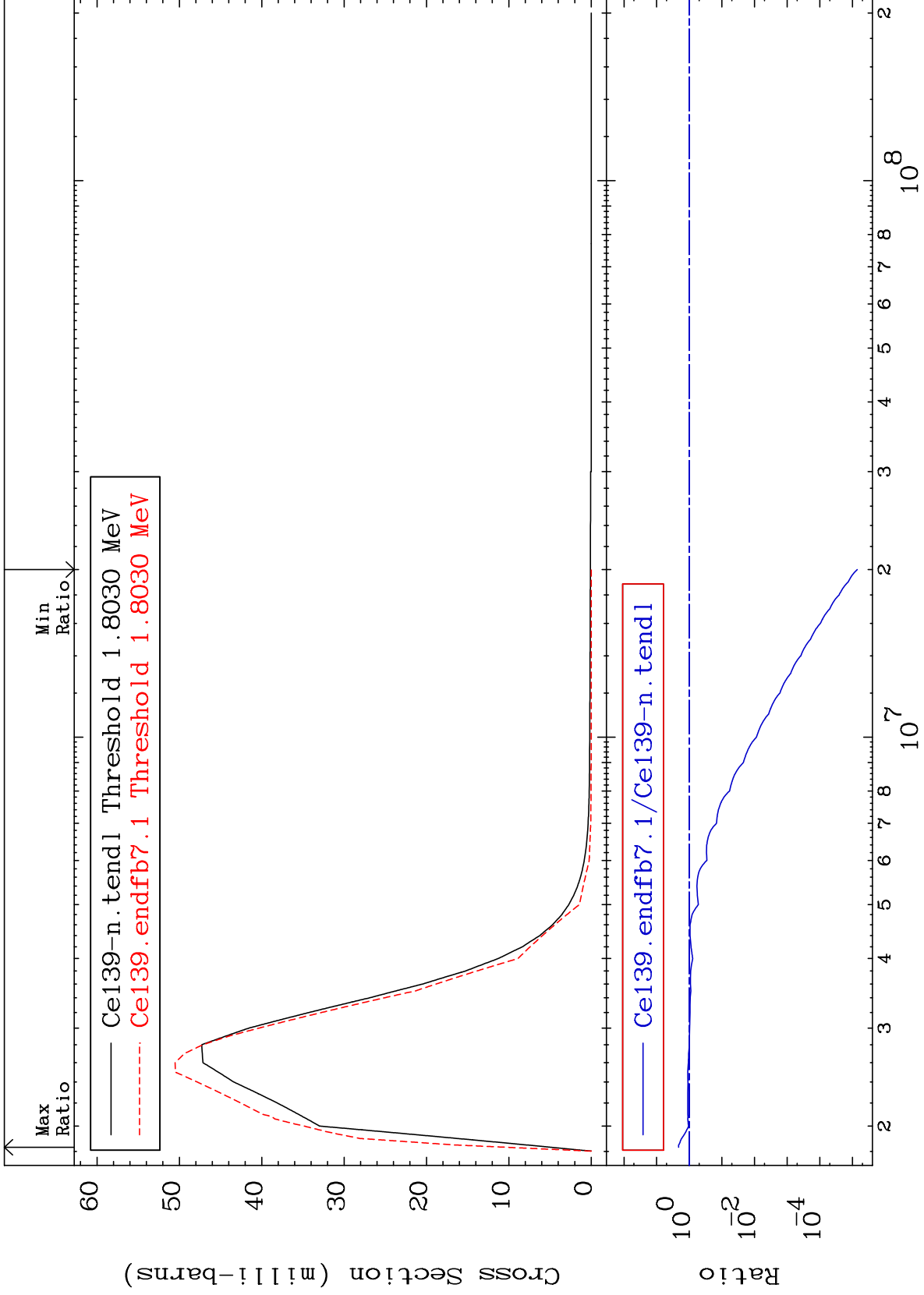
Incident Energy (eV)

58-Ce-139

MAT 5834

1.790 MeV (n,n') Level
Cross Section

58-Ce-139
-100.0 To 112.1 %



17

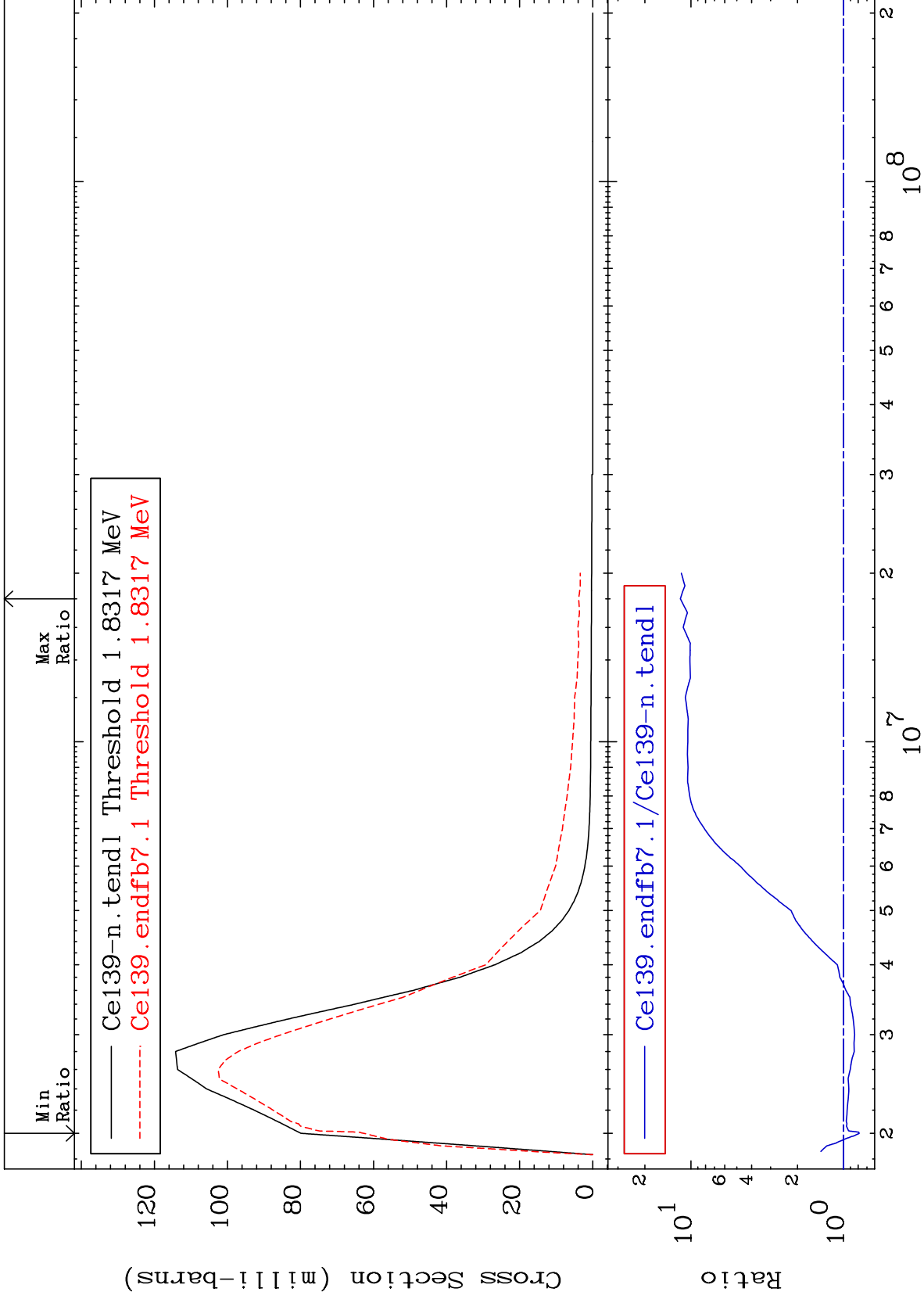
Incident Energy (eV)

58-Ce-139

MAT 5834

1.818 MeV (n,n') Level
Cross Section

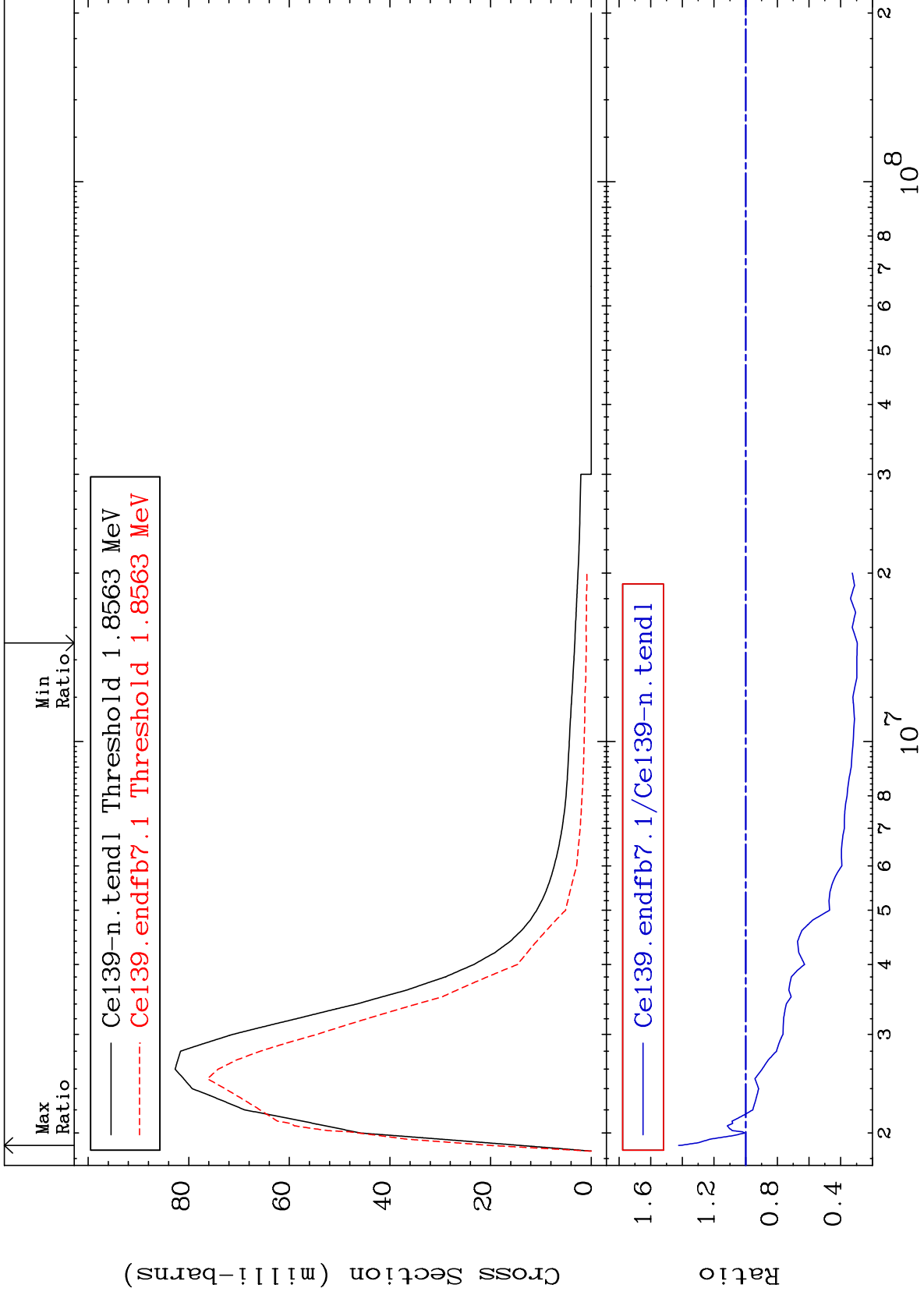
58-Ce-139
-21.49 To 1072. %



MAT 5834

1.843 MeV (n,n') Level
Cross Section

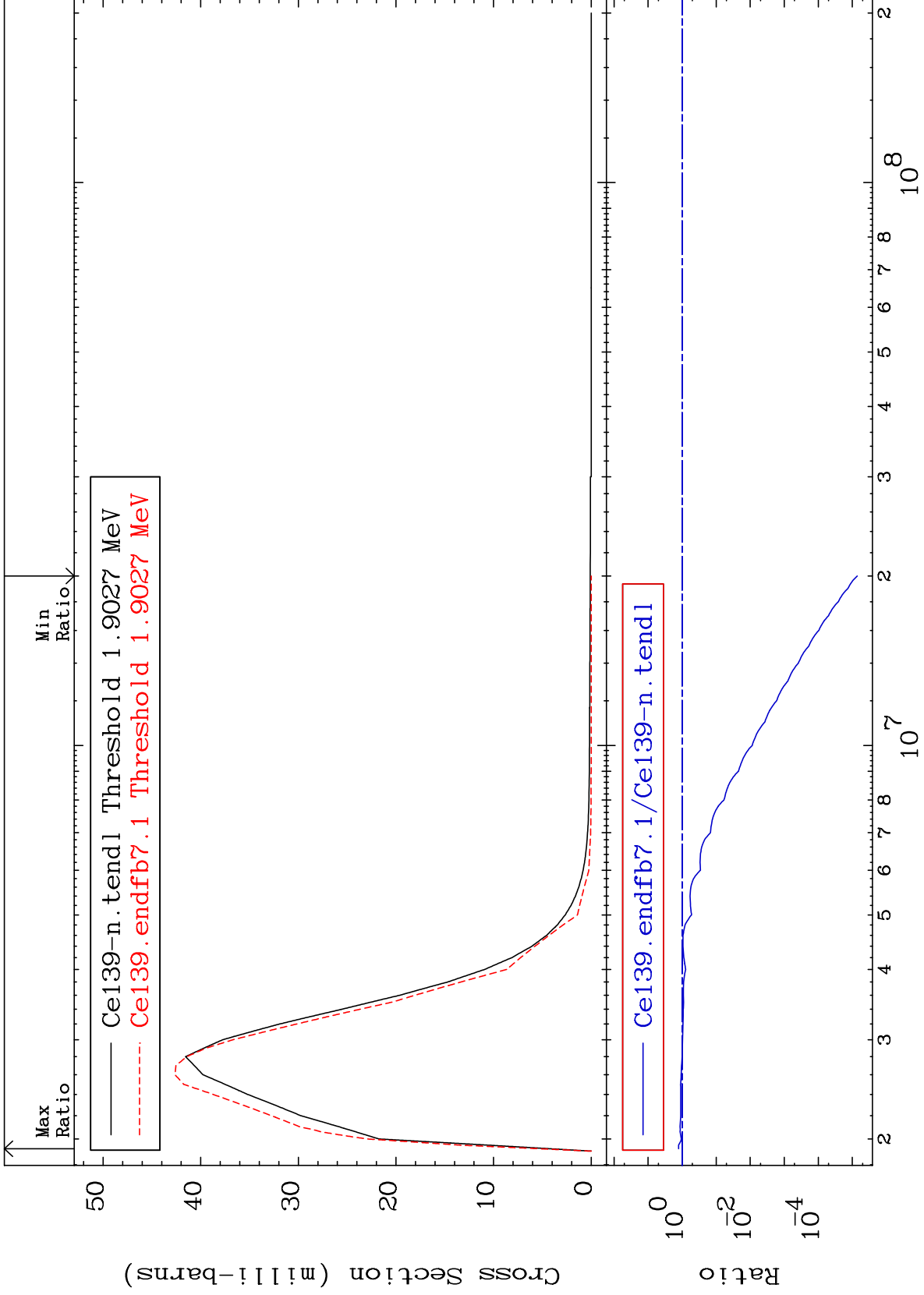
58-Ce-139
-70.45 To 42.36 %



MAT 5834

1.889 MeV (n,n') Level
Cross Section

58-Ce-139
-100.0 To 26.85 %



20

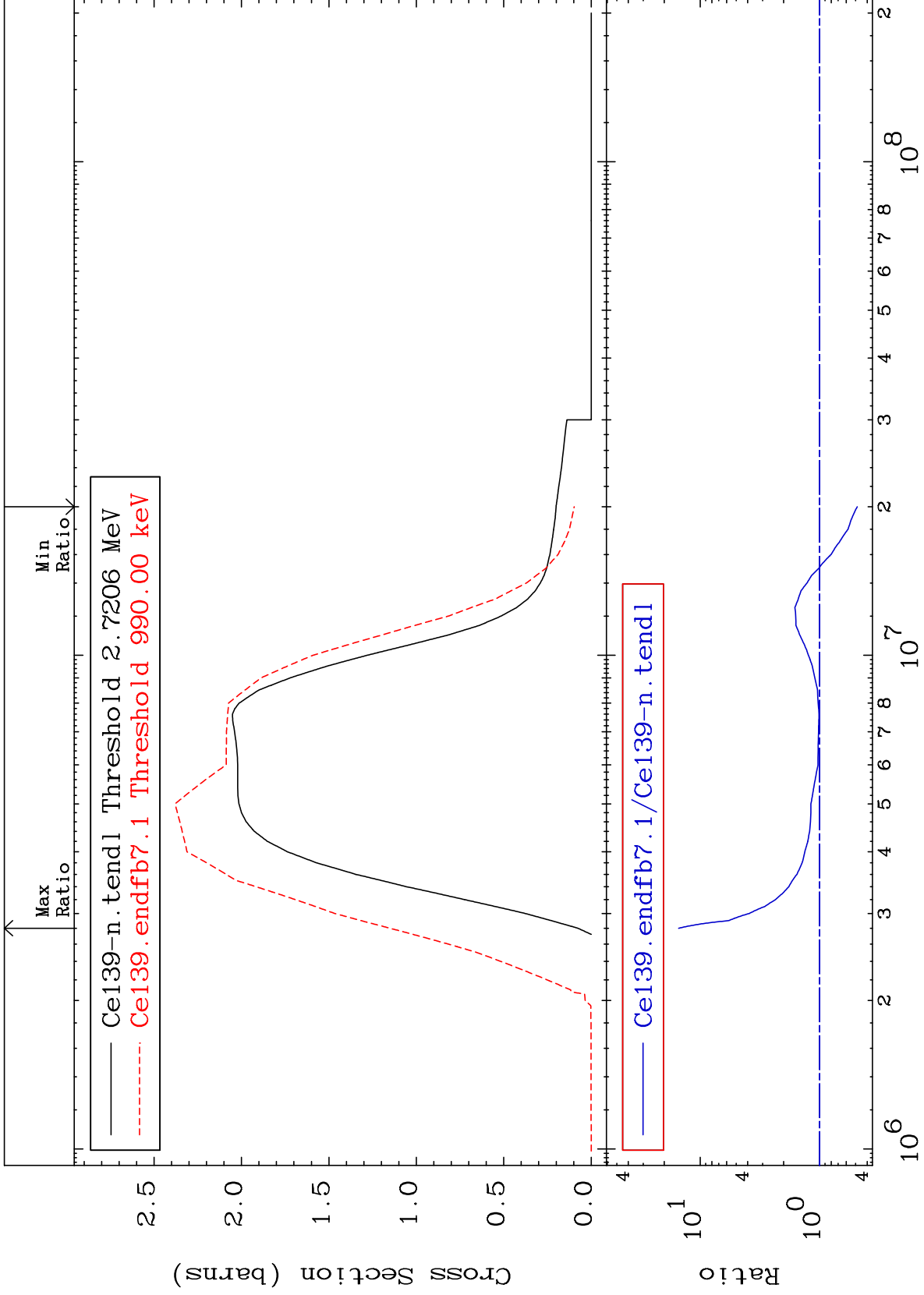
Incident Energy (eV)

58-Ce-139

MAT 5834

(n, n') Continuum
Cross Section

58-Ce-139
-51.59 To 1416. %



21

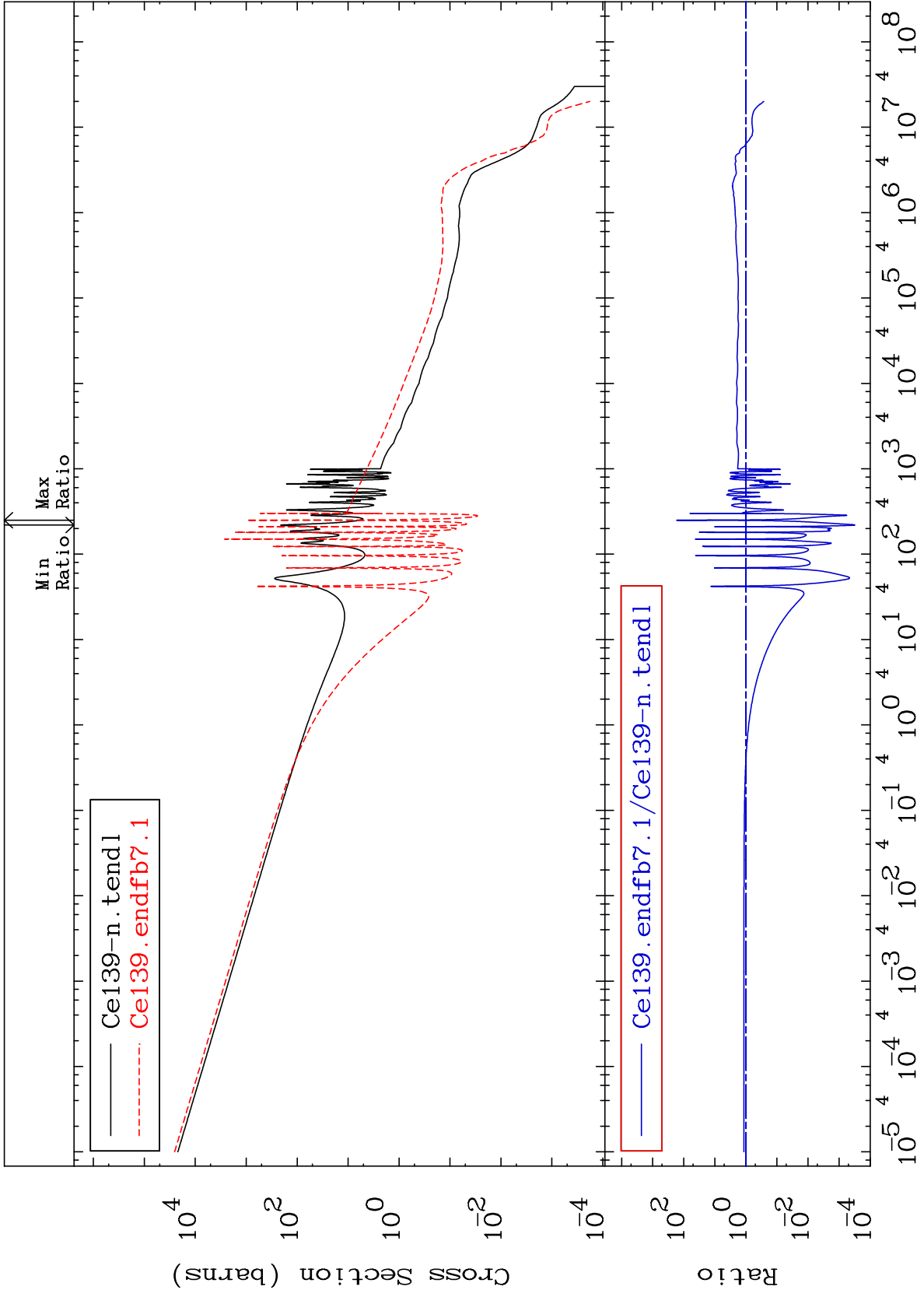
Incident Energy (eV)

58-Ce-139

MAT 5834

(n, γ)
Cross Section

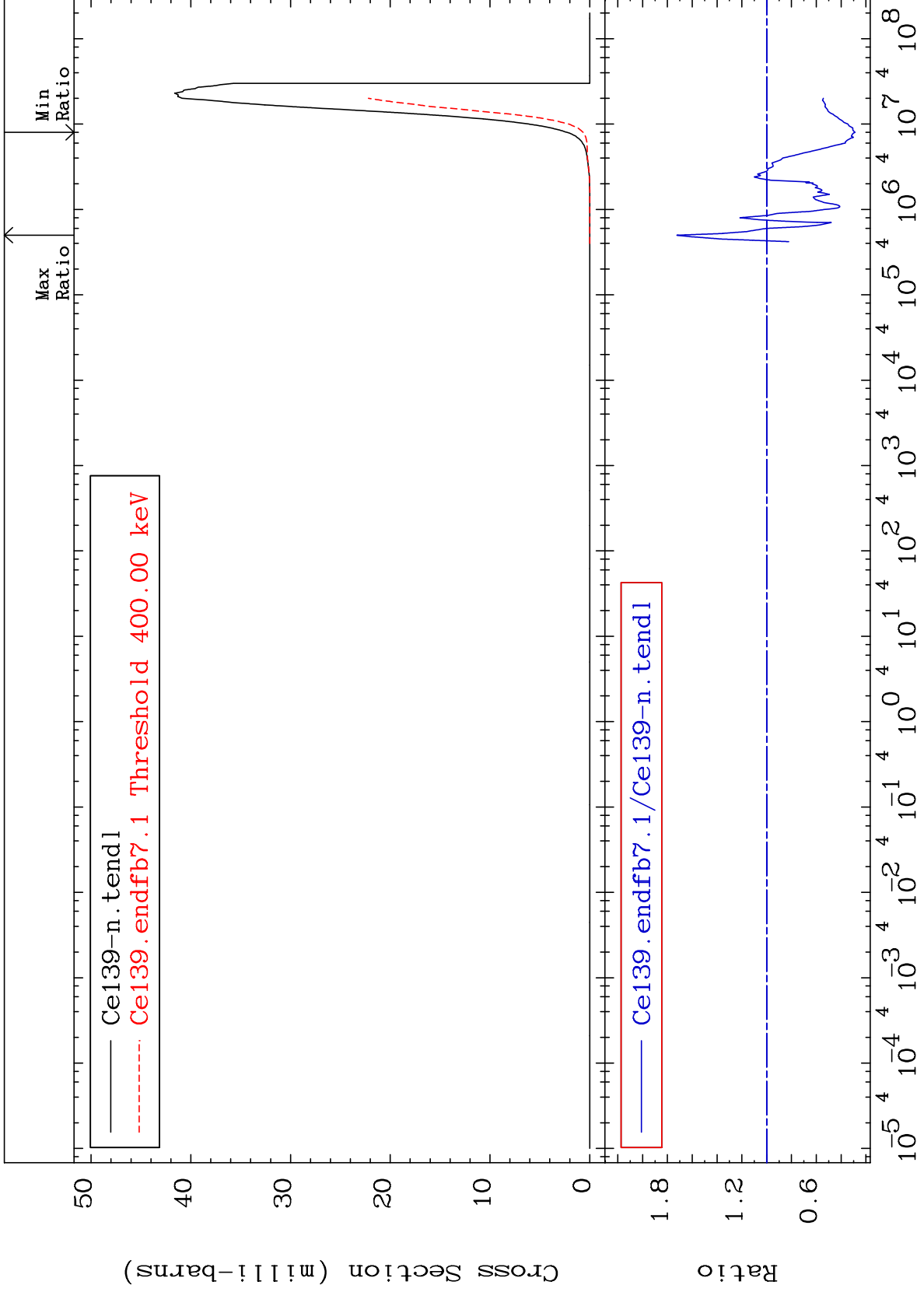
58-Ce-139
-99.97 To 9999. %



MAT 5834

(n,p)
Cross Section

58-Ce-139
-71.25 To 72.33 %



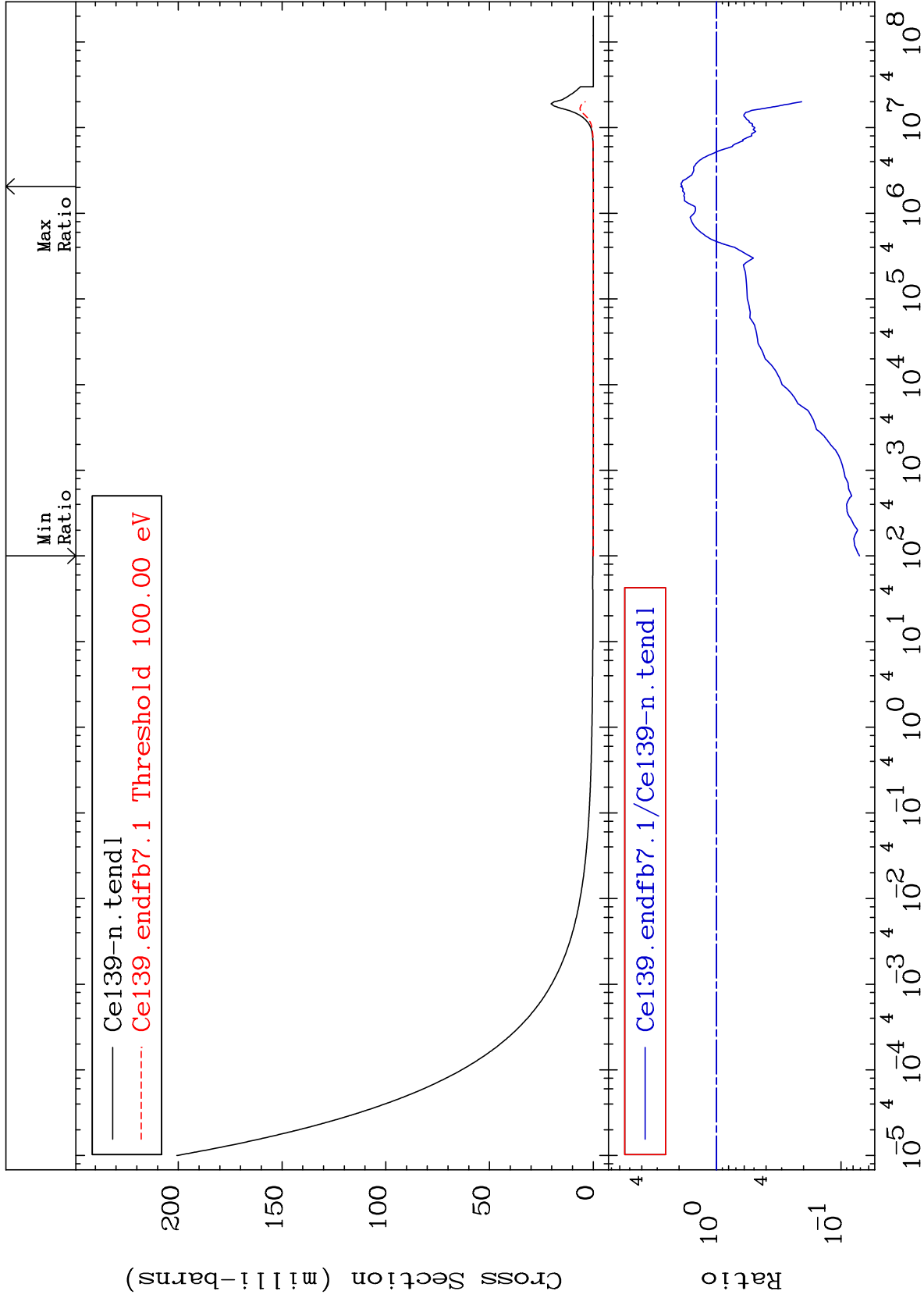
MAT 5834

(n, α)

58-Ce-139

Cross Section

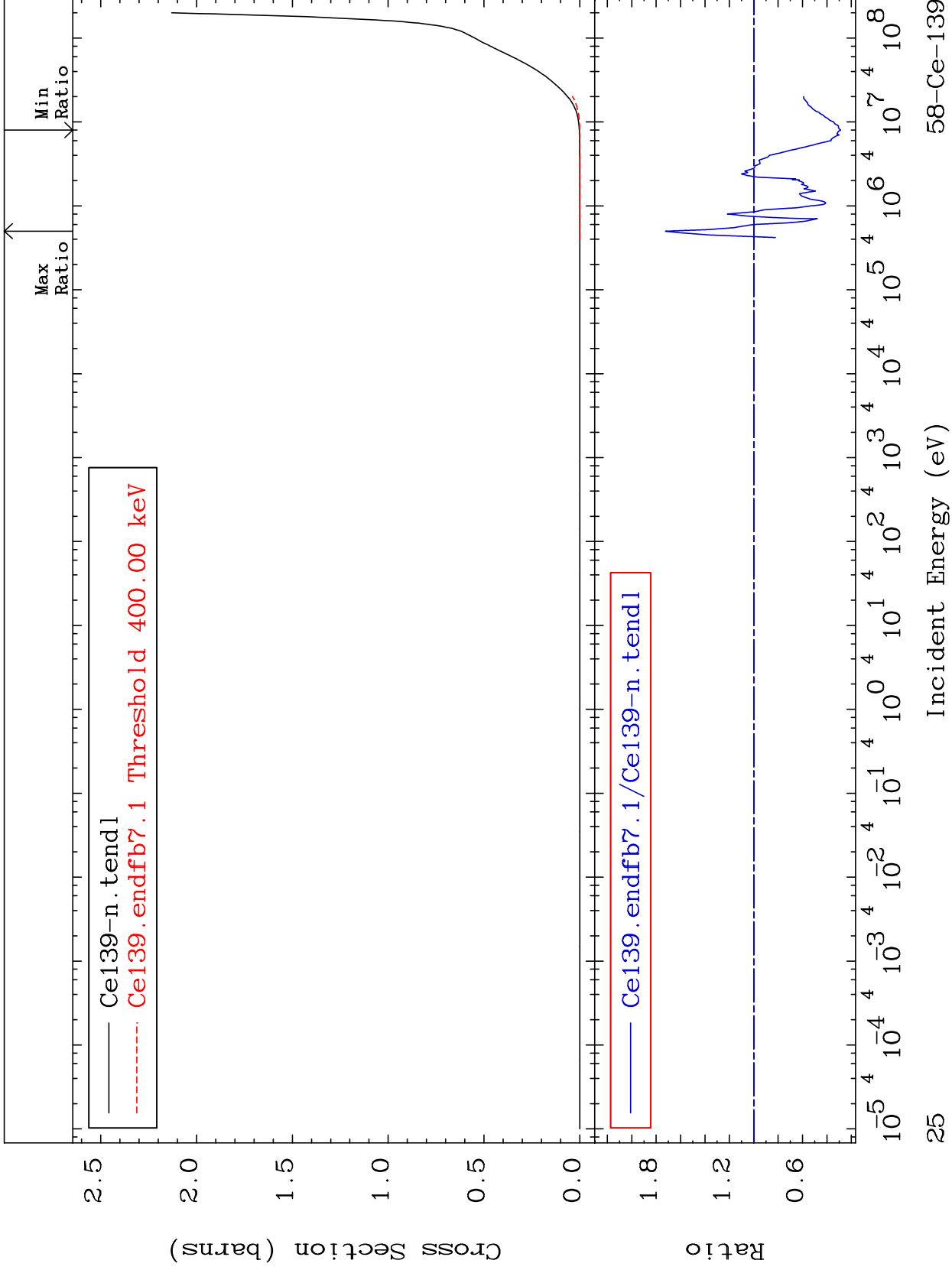
-92.90 To 94.13 %



MAT 5834

Hydrogen Production Cross Section

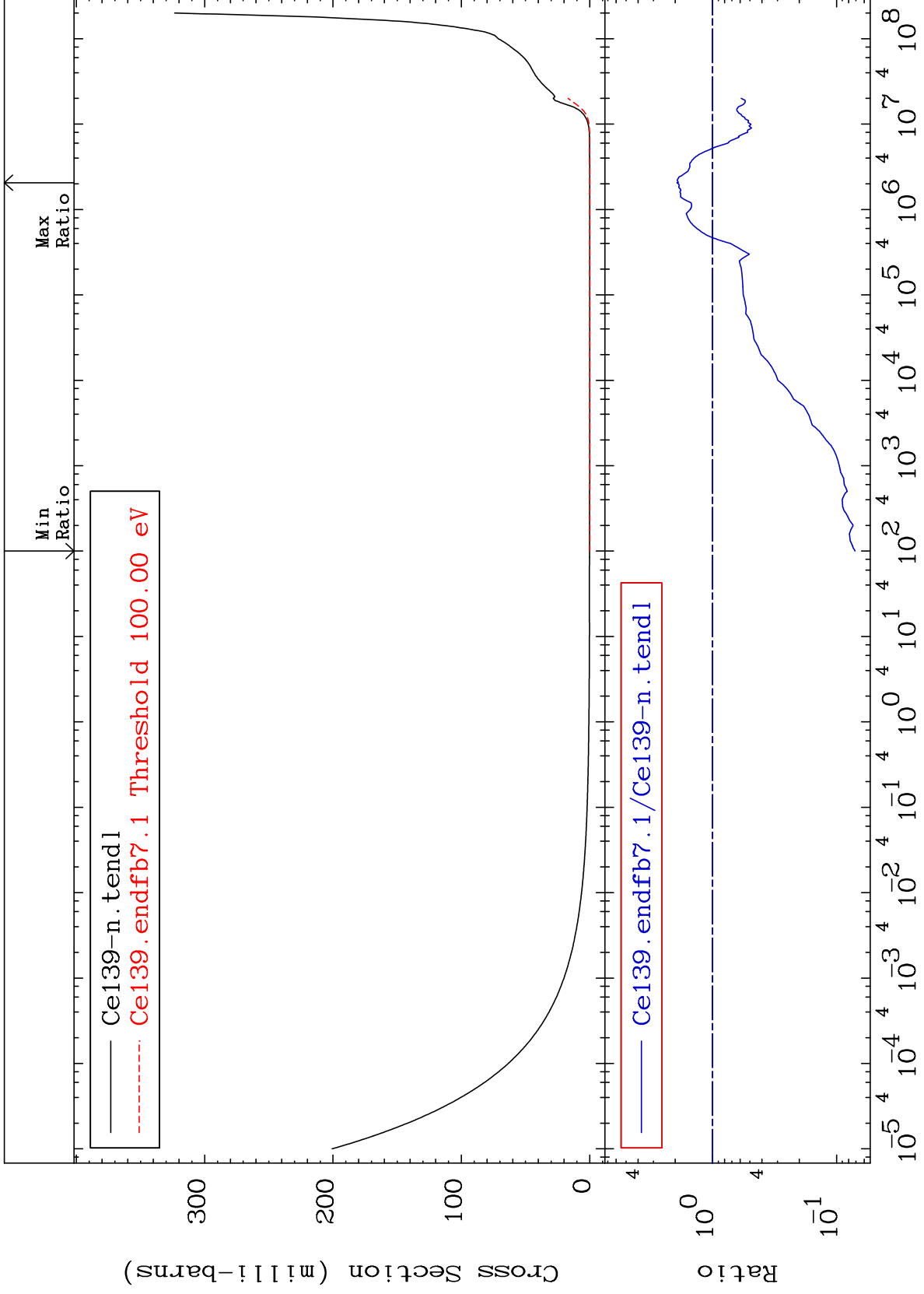
58-Ce-139
-71.25 To 72.33 %



MAT 5834

He-4 Production
Cross Section

58-Ce-139
-92.90 To 94.13 %



26

Incident Energy (eV)

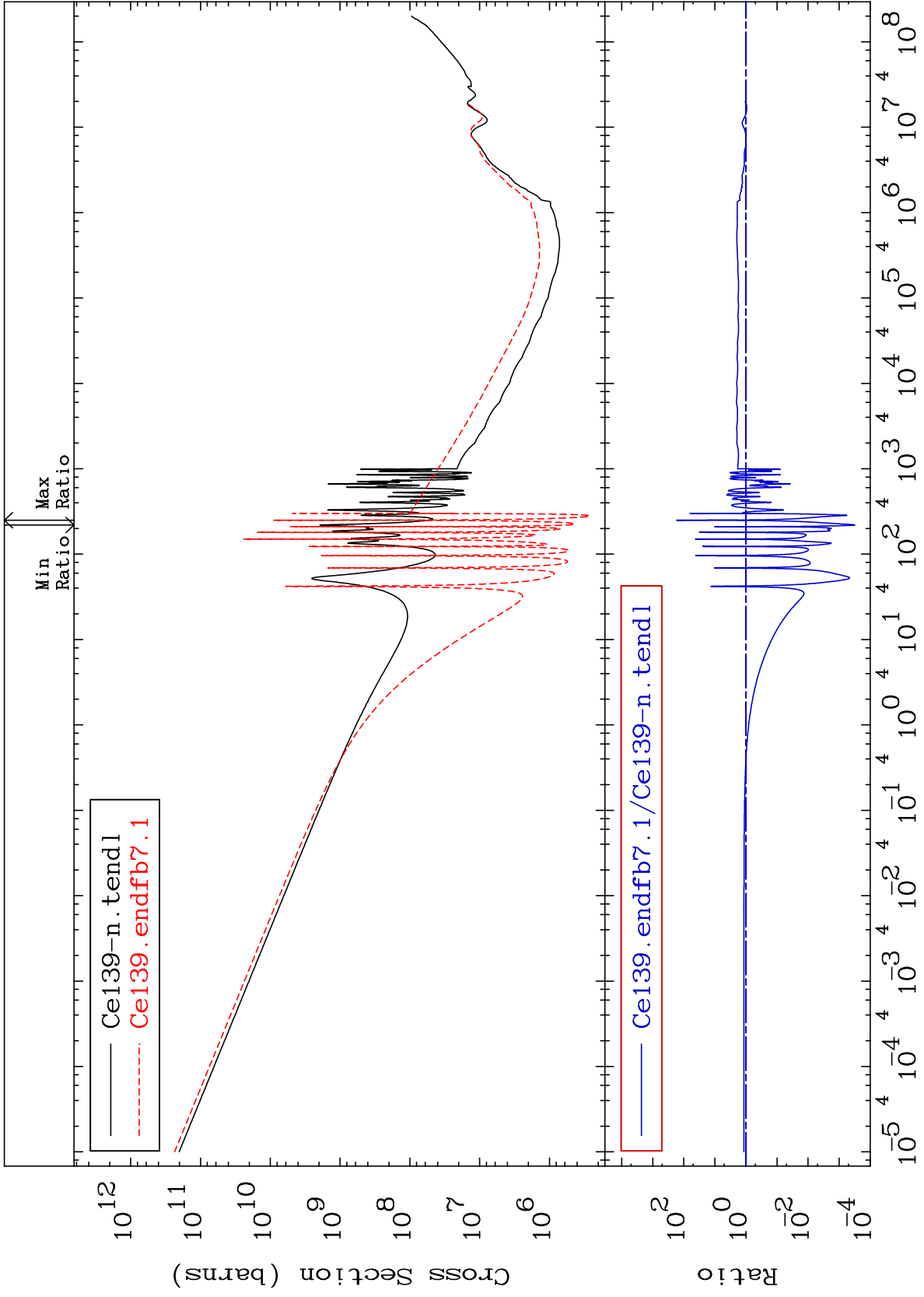
58-Ce-139

MAT 5834

Kerma total (eV-barns)

58-Ce-139

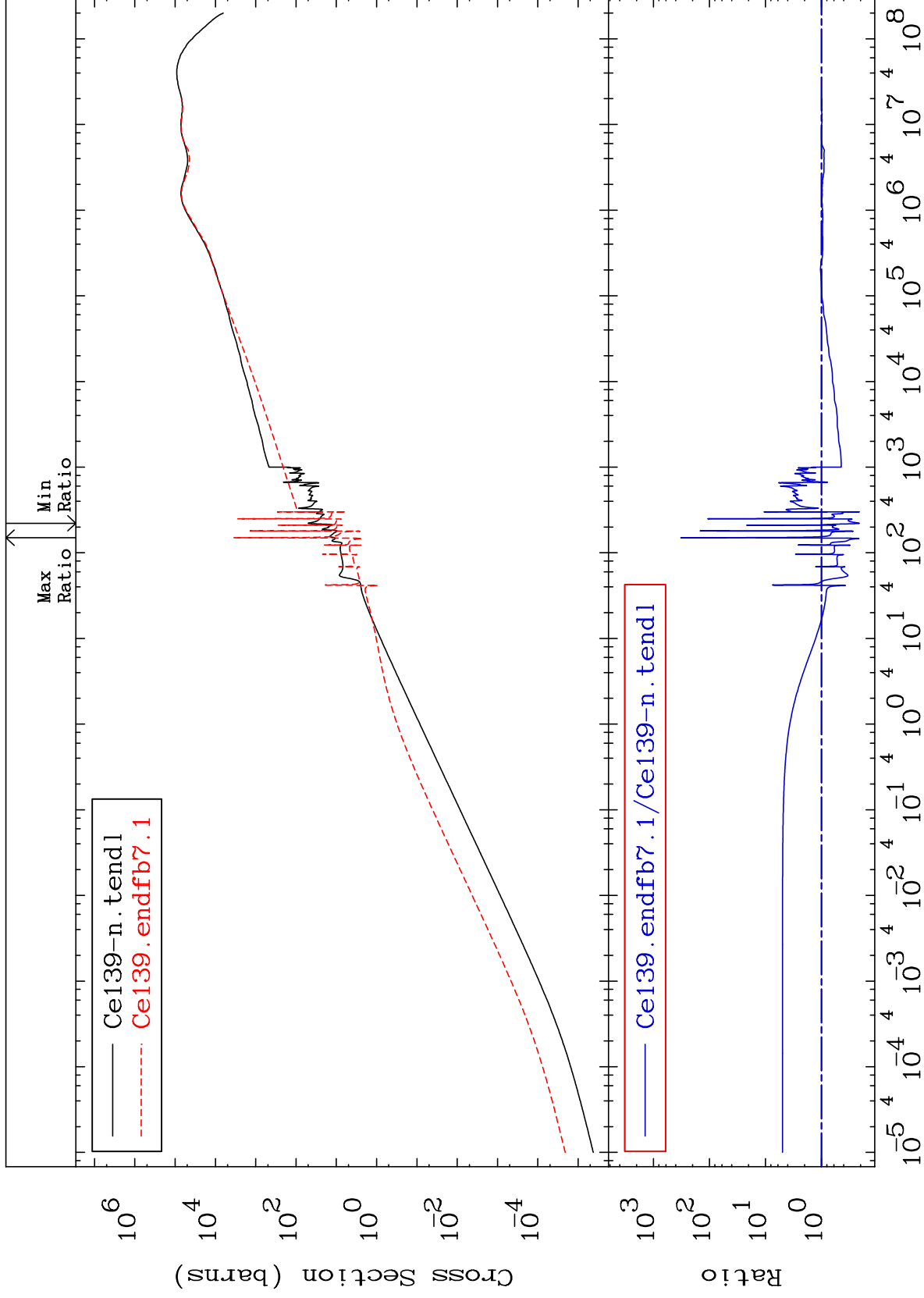
-99.97 To 9999. %

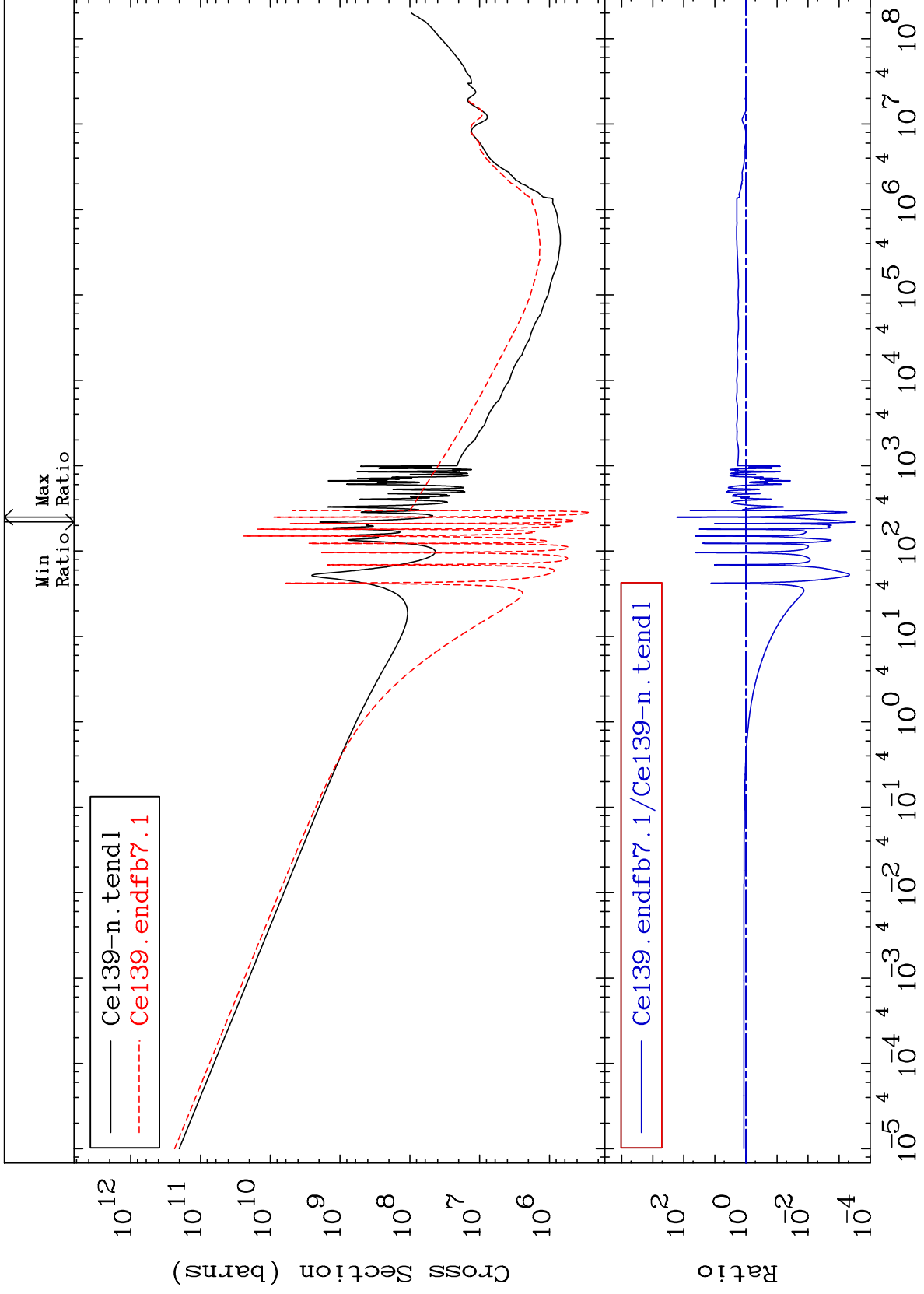


MAT 5834

Kerma elastic
Cross Section

58-Ce-139
-79.06 To 9999. %

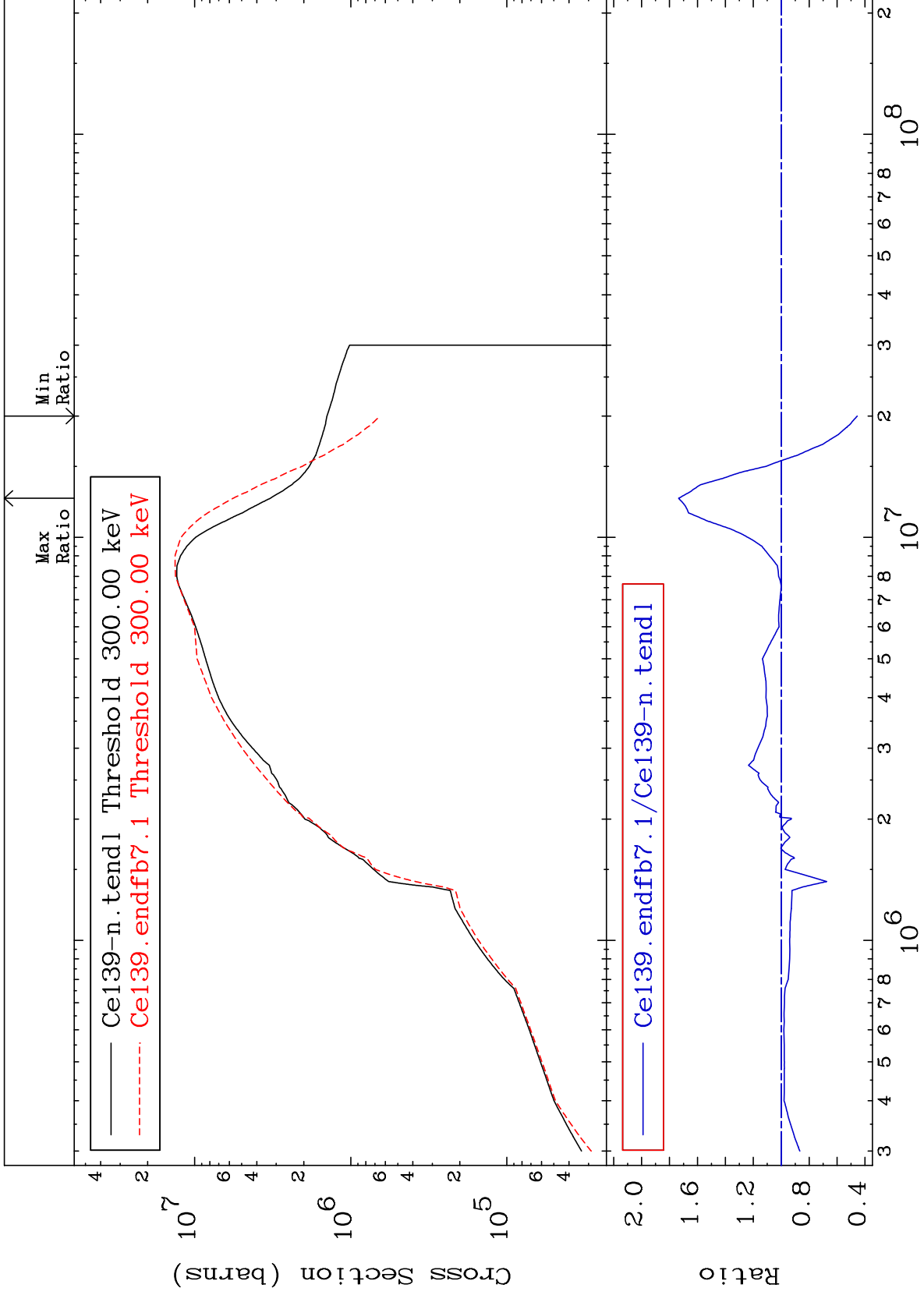




MAT 5834

Kerma inelastic (mt51-91)
Cross Section

58-Ce-139
-54.42 To 73.48 %



30

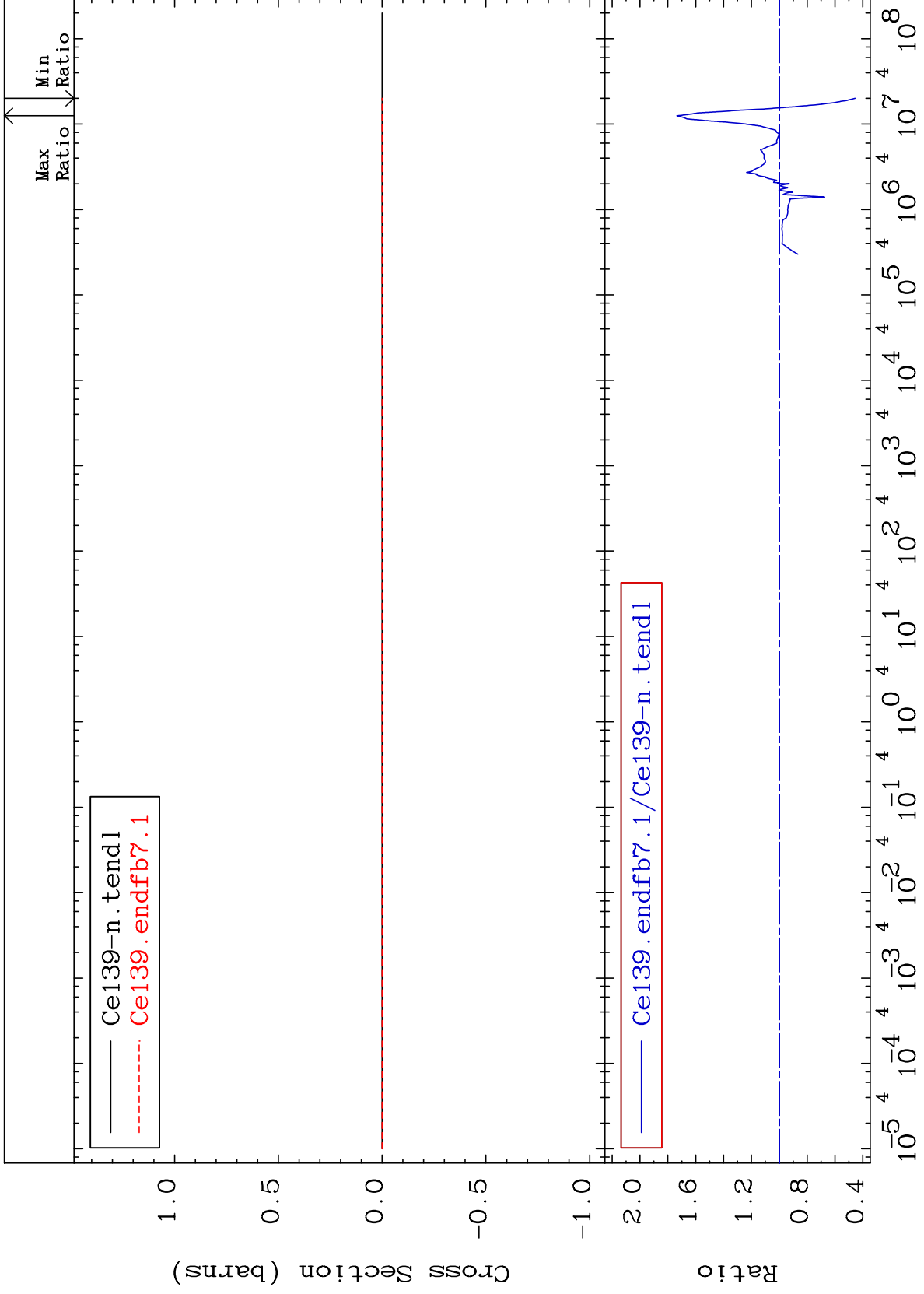
Incident Energy (eV)

58-Ce-139

MAT 5834

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

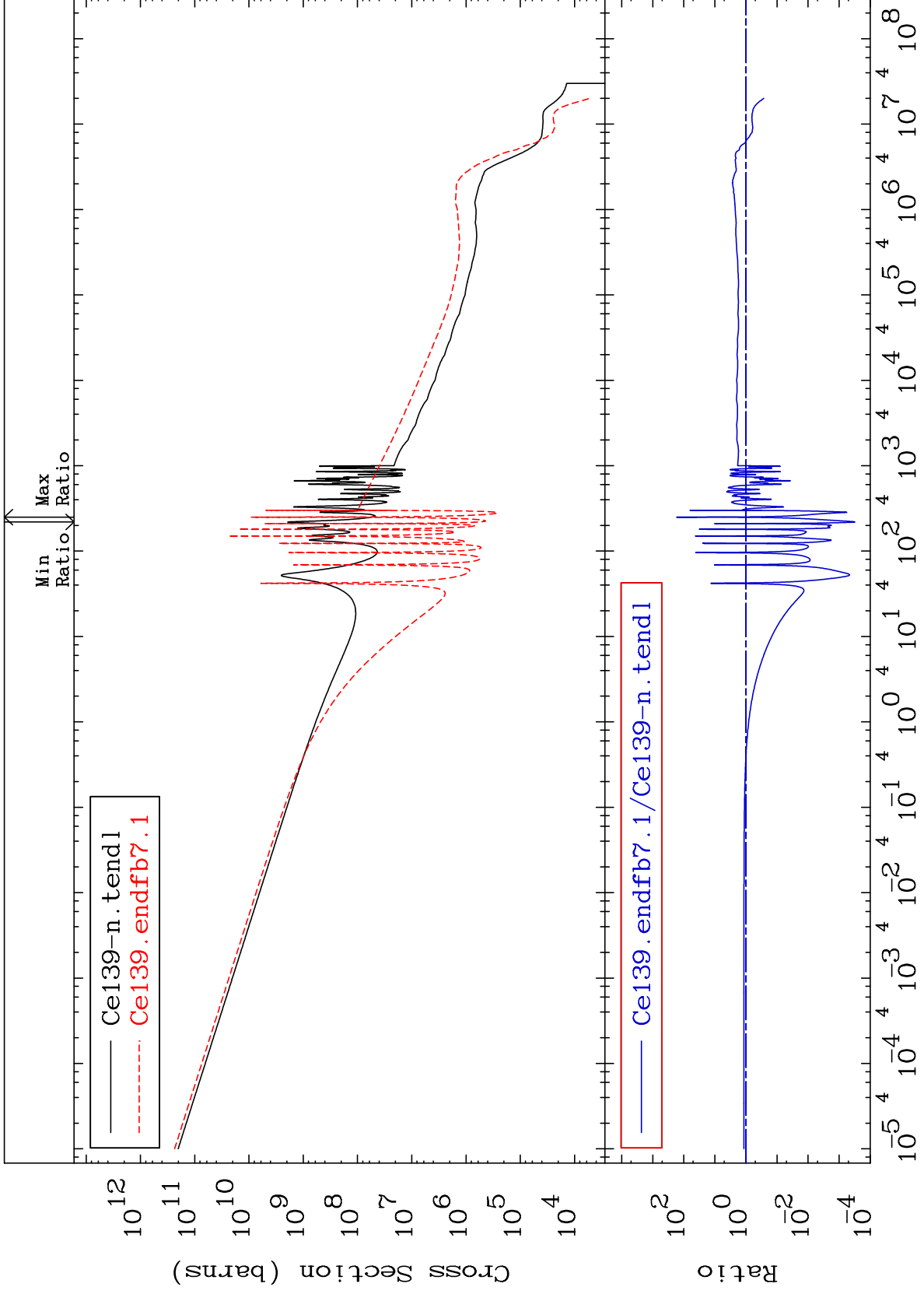
58-Ce-139
-54.42 To 73.48 %



MAT 5834

Kerma capture (mt102)
Cross Section

58-Ce-139
-99.97 To 9999. %

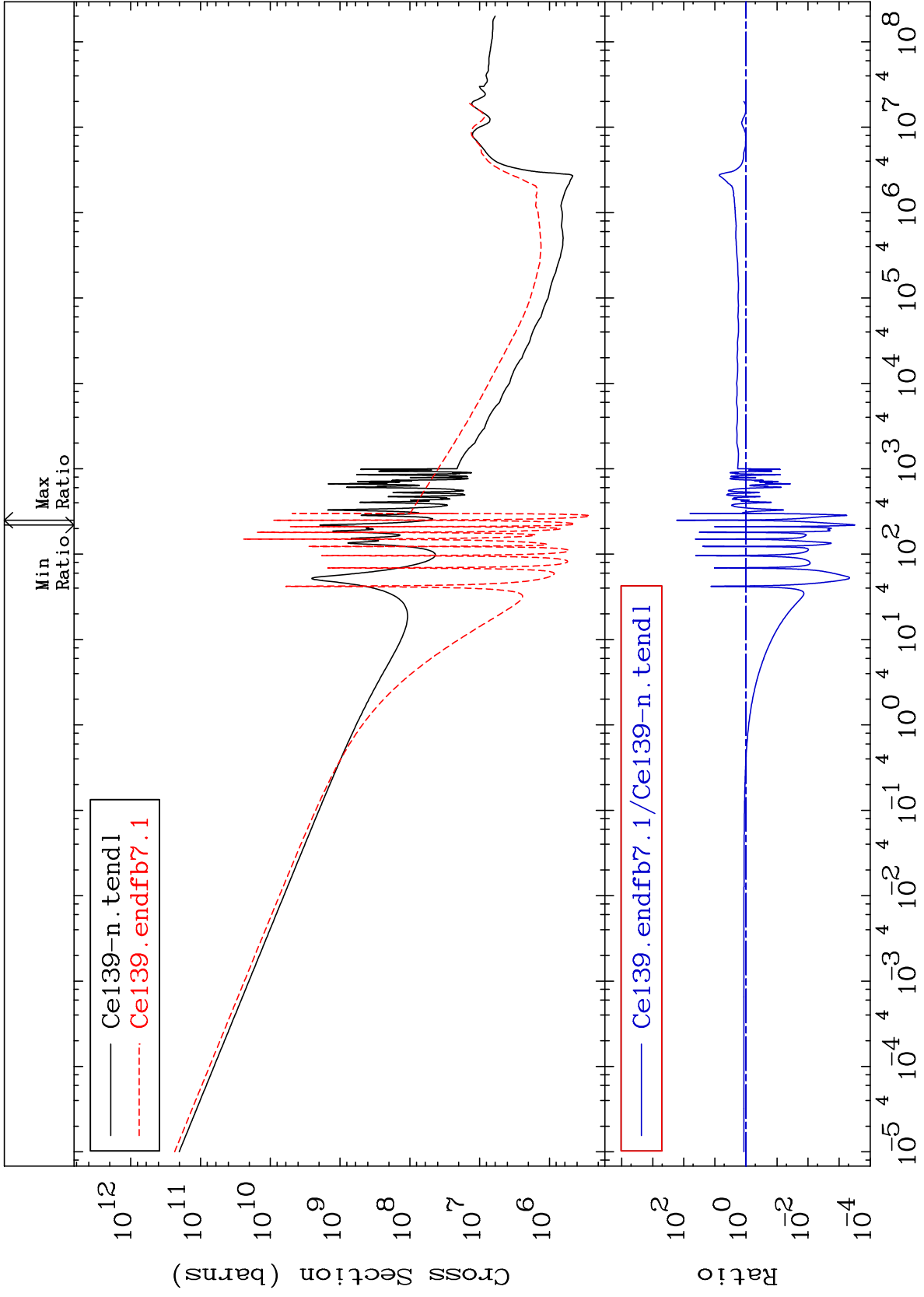


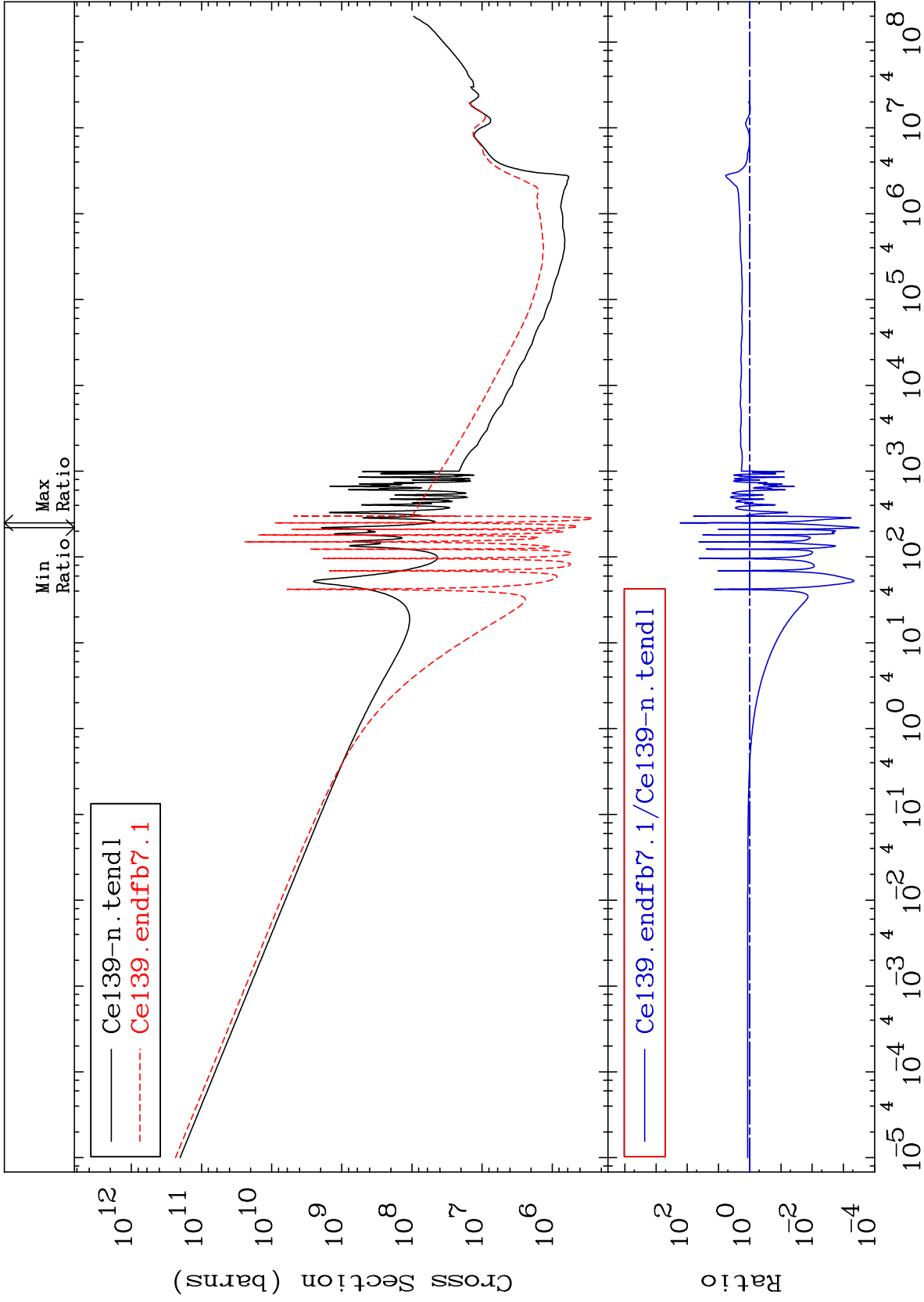
MAT 5834

Total photon (eV-barns)

58-Ce-139

-99.97 To 9999. %



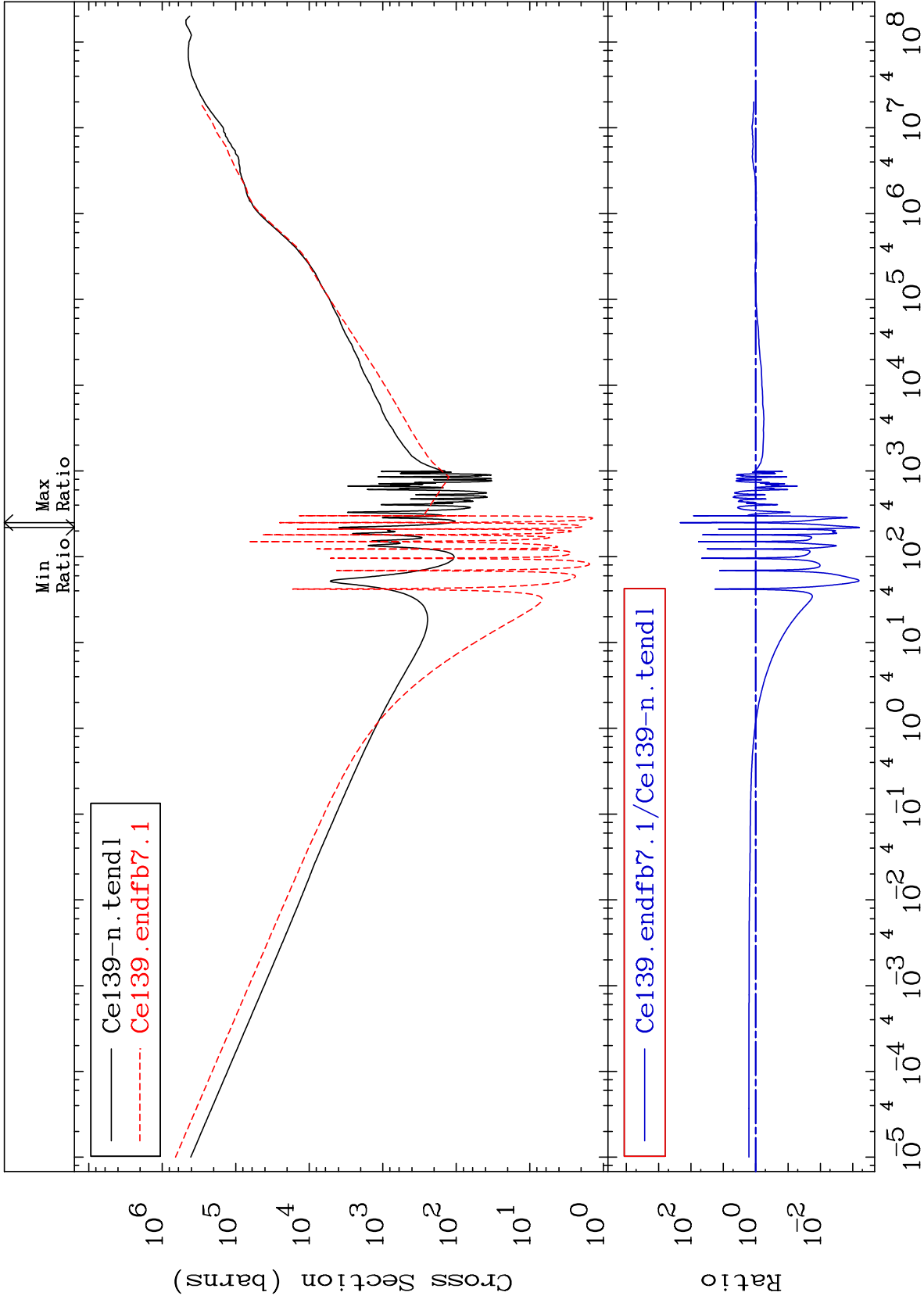


MAT 5834

Dpa total (eV-barns)

58-Ce-139

-99.94 To 9999. %



35

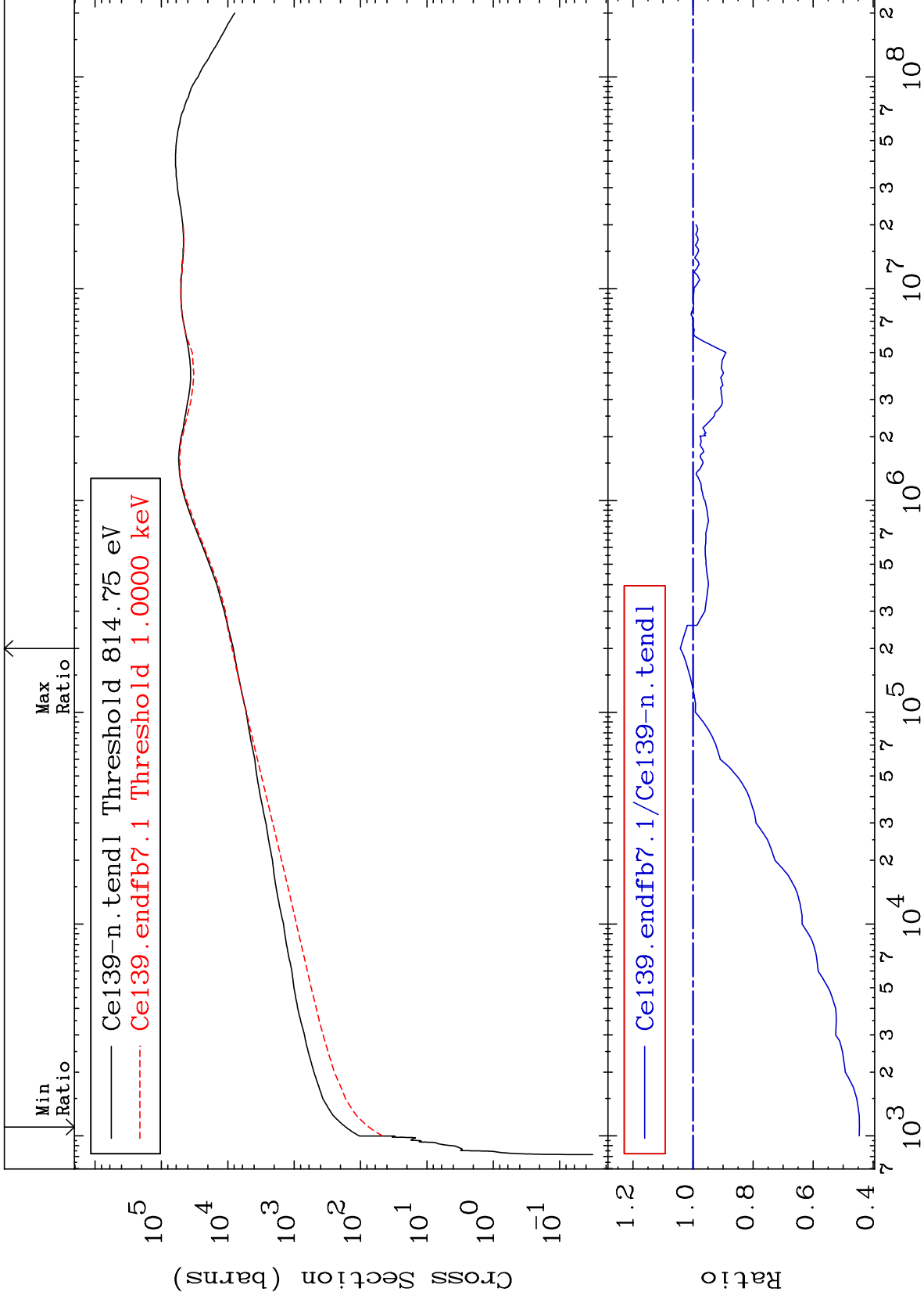
58-Ce-139

58-Ce-139

MAT 5834

Dpa elastic (mt2)
Cross Section

58-Ce-139
-55.39 To 4.241 %



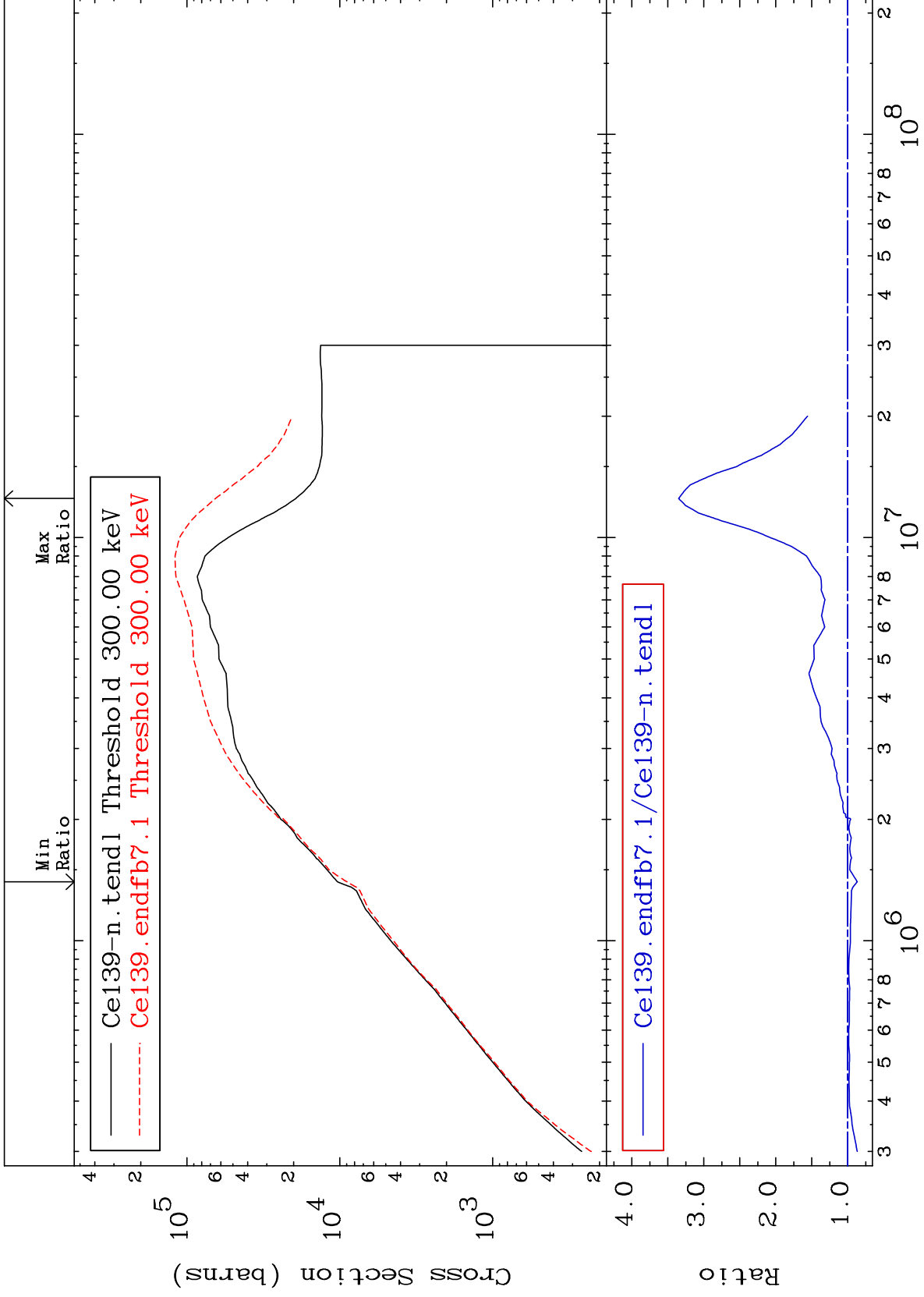
36

58-Ce-139

MAT 5834

Dpa inelastic (mt51-91)
Cross Section

58-Ce-139
-13.28 To 235.0 %



37

Incident Energy (eV)

58-Ce-139

MAT 5834

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-139
-99.94 To 9999. %

