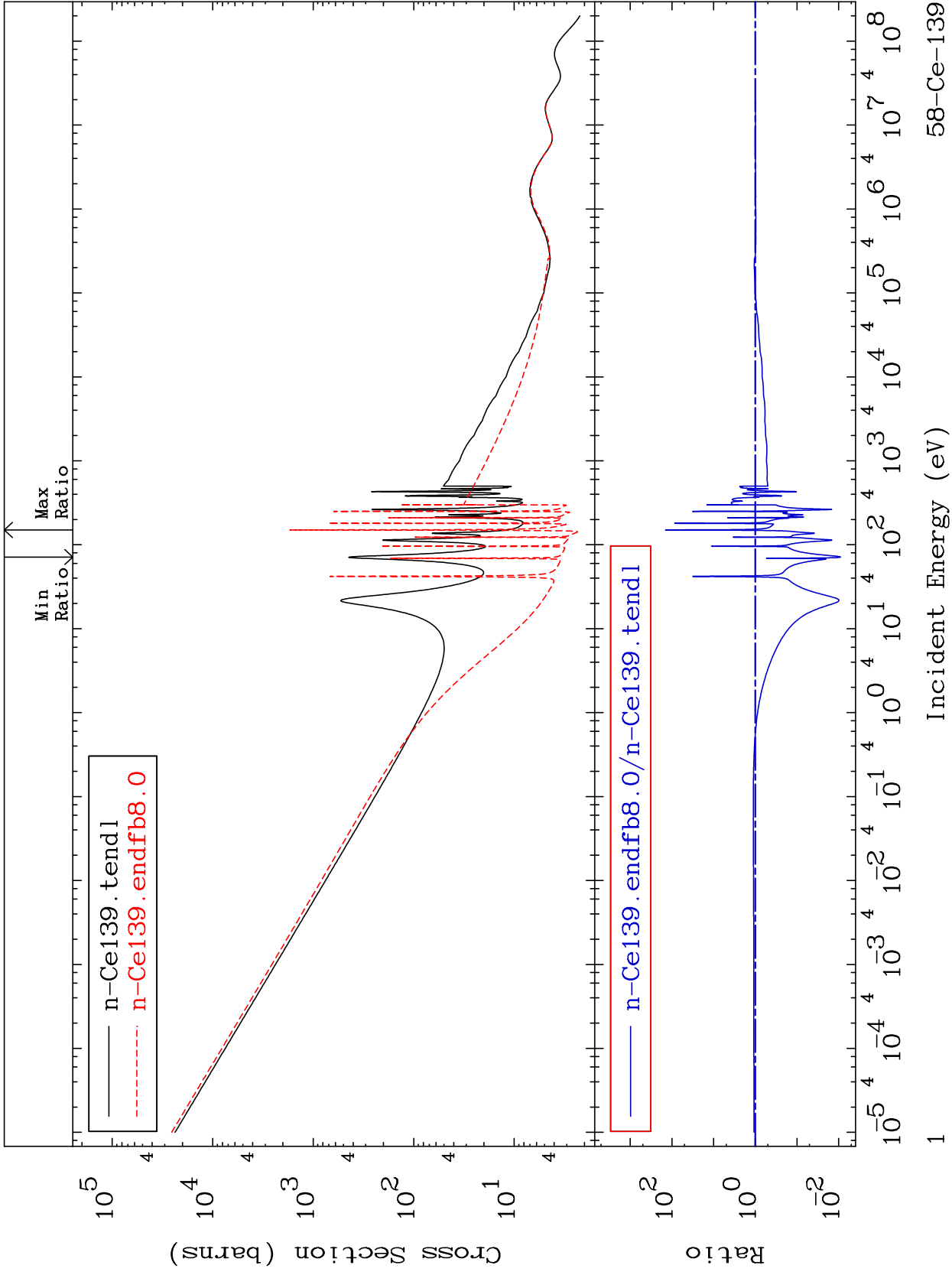


MAT 5834

Total
Cross Section

58-Ce-139
-99.10 To 9999. %

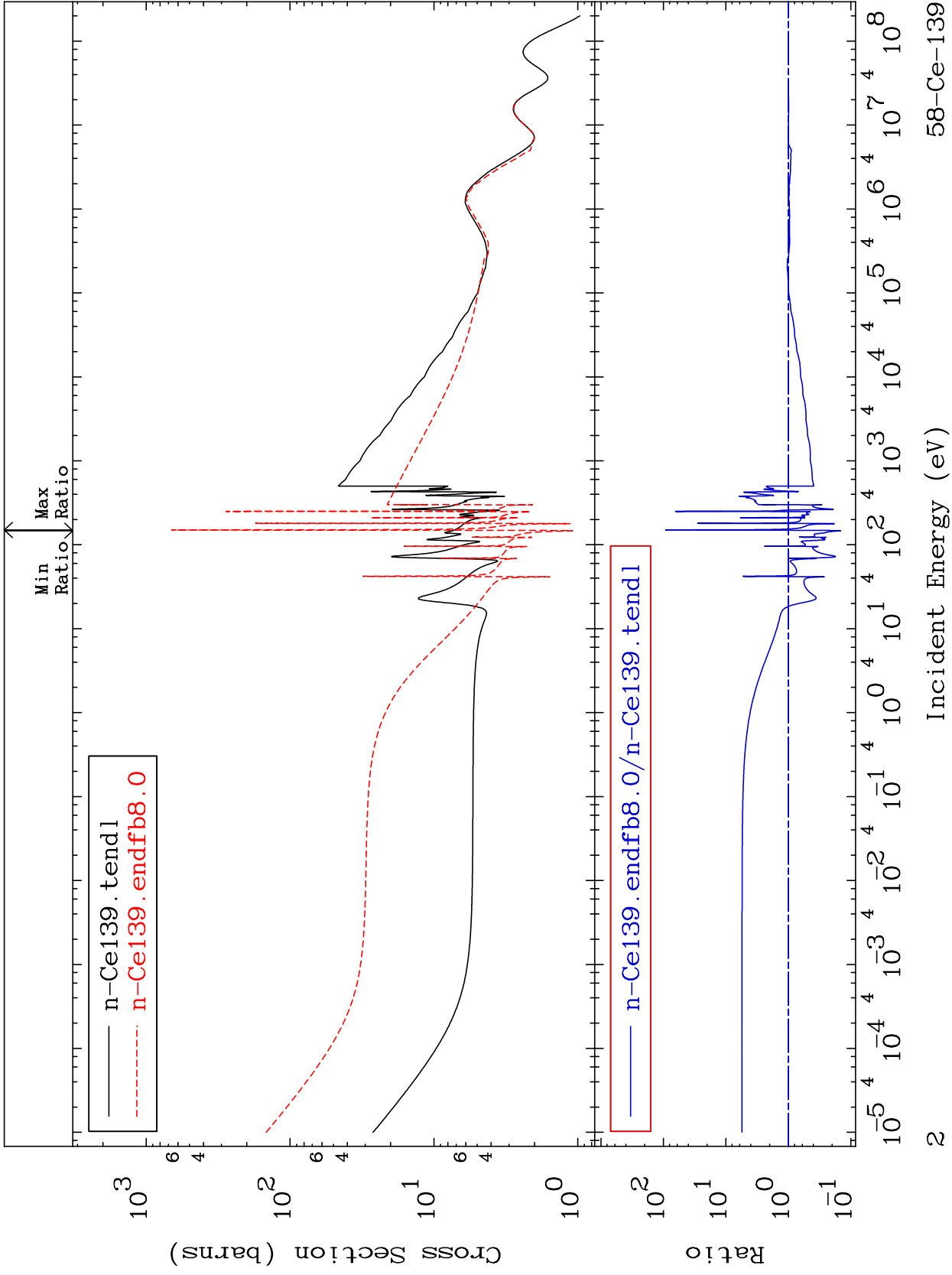


58-Ce-139

MAT 5834

Elastic
Cross Section

58-Ce-139
-85.42 To 9162. %

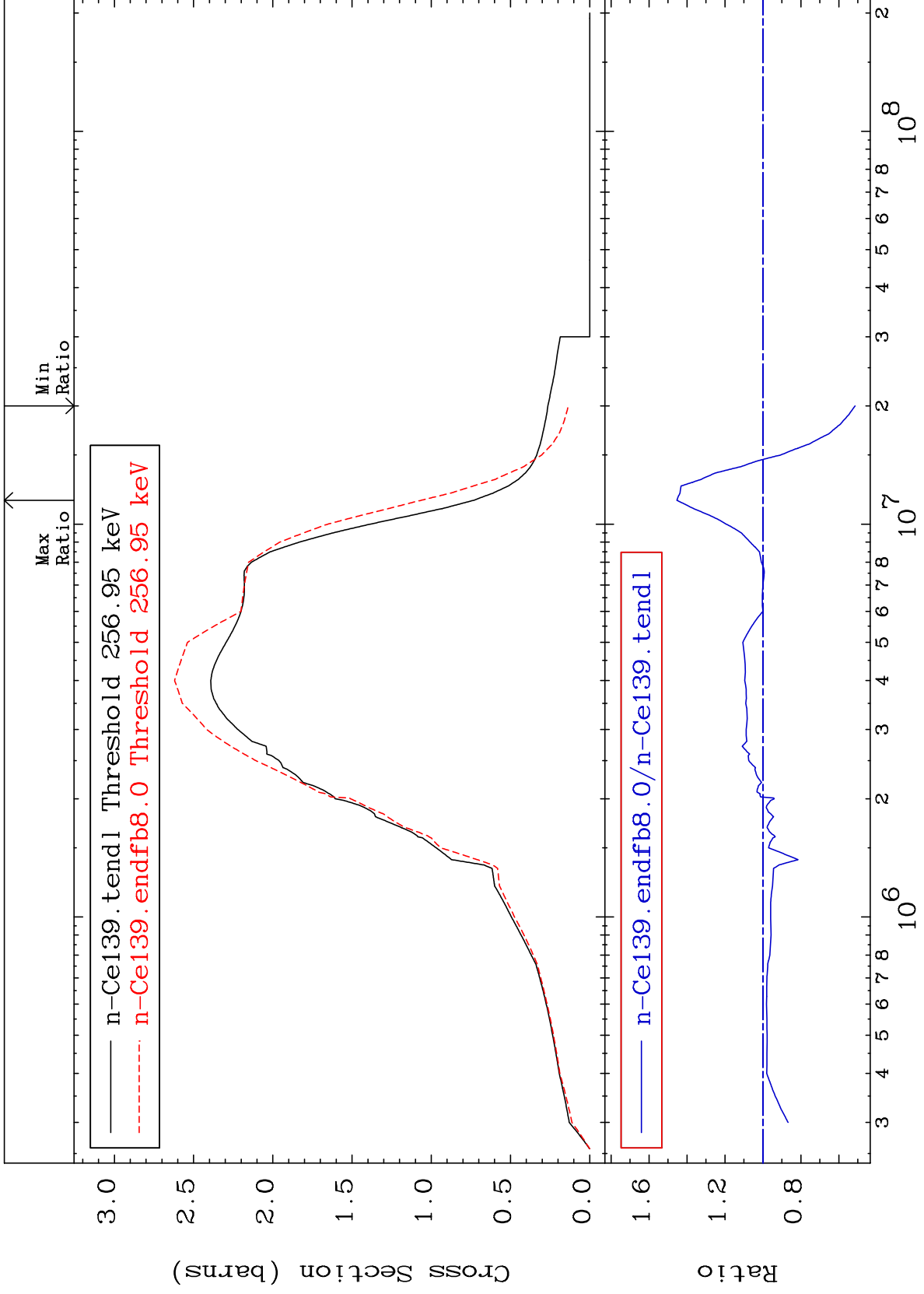


58-Ce-139

MAT 5834

Inelastic
Cross Section

58-Ce-139
-48.57 To 45.30 %



3

Incident Energy (eV)

58-Ce-139

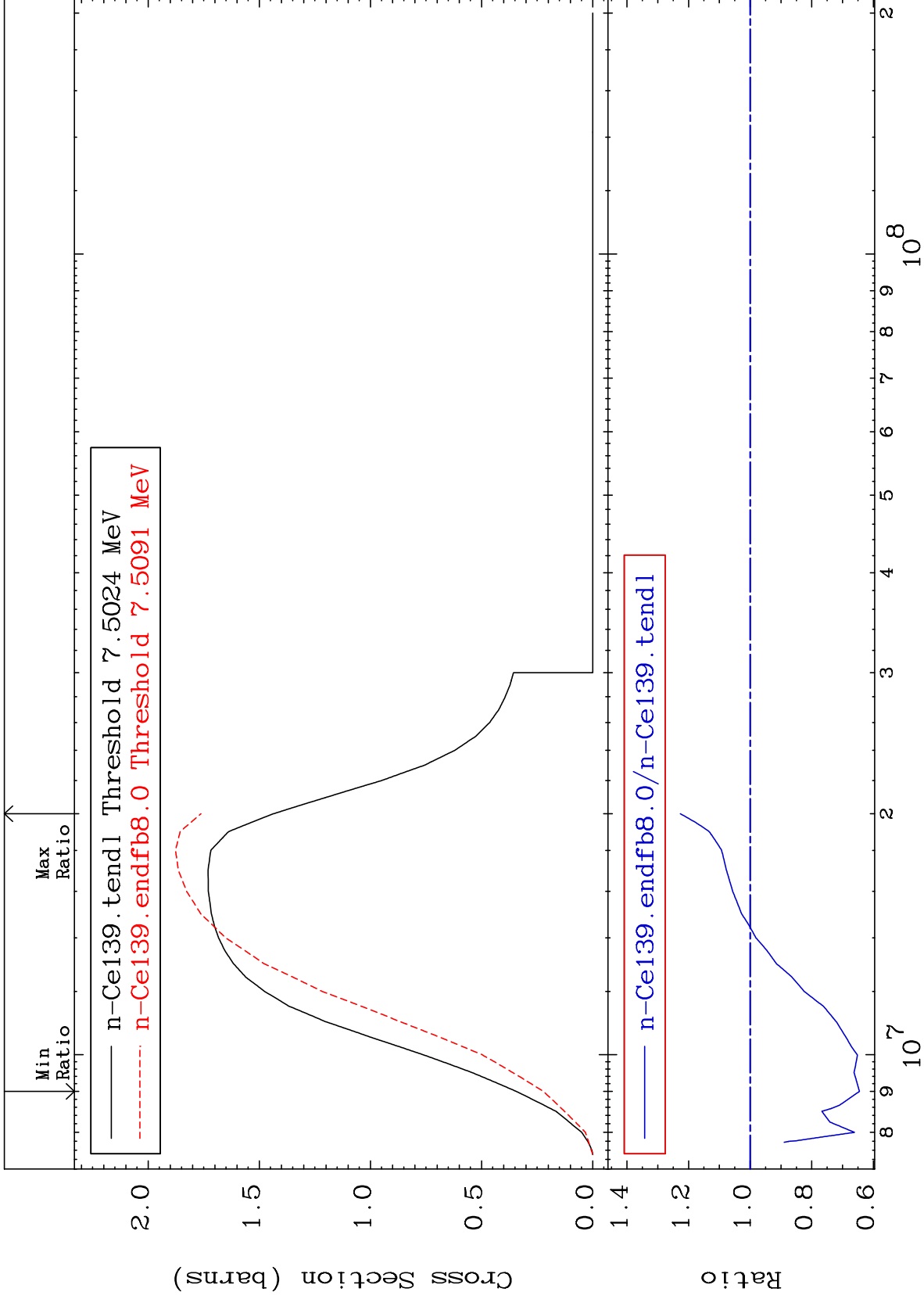
MAT 5834

(n,2n)

58-Ce-139

Cross Section

-35.47 To 22.67 %



4

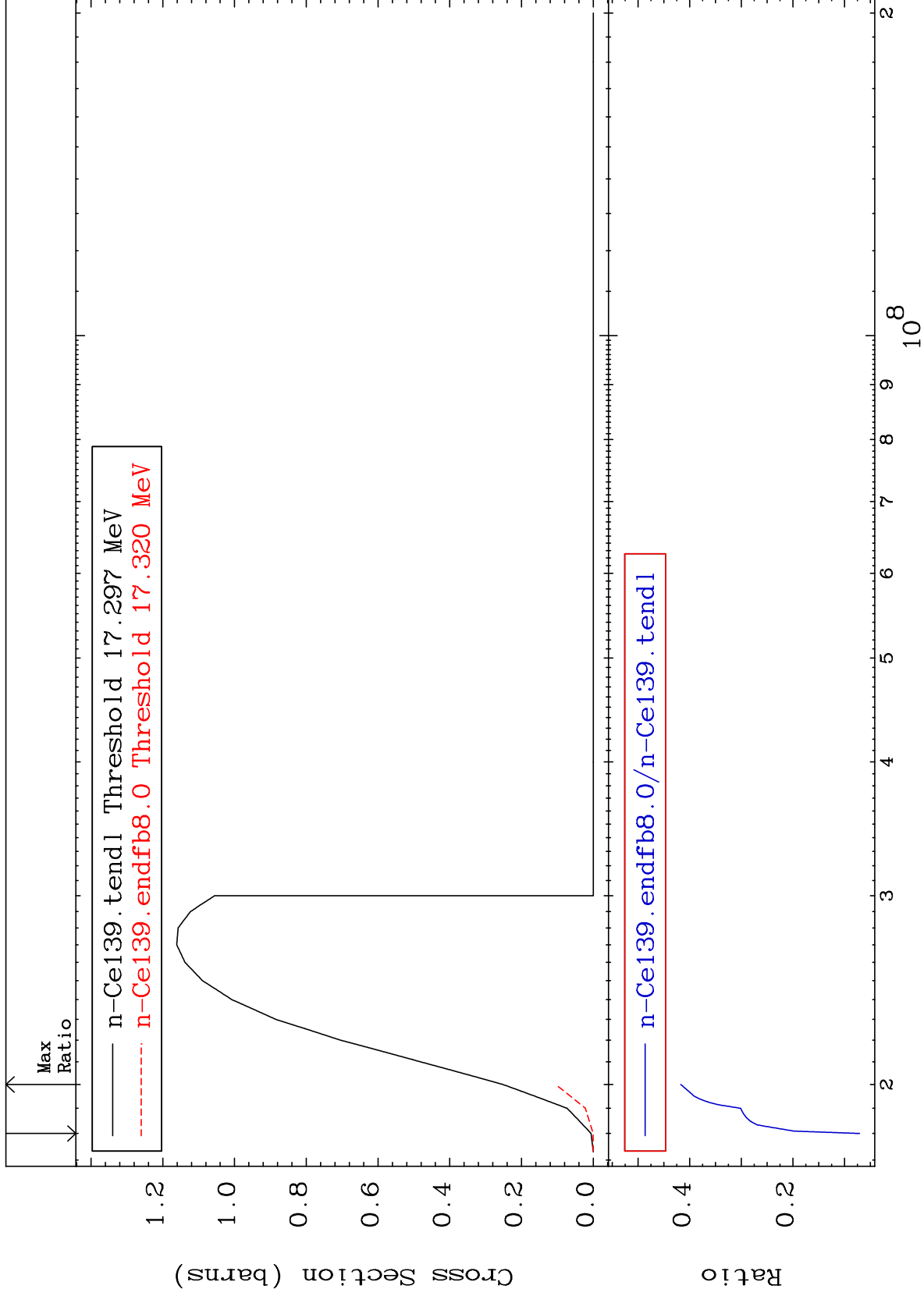
Incident Energy (eV)

58-Ce-139

MAT 5834

(n,3n)
Cross Section

58-Ce-139
-92.90 To -58.29%

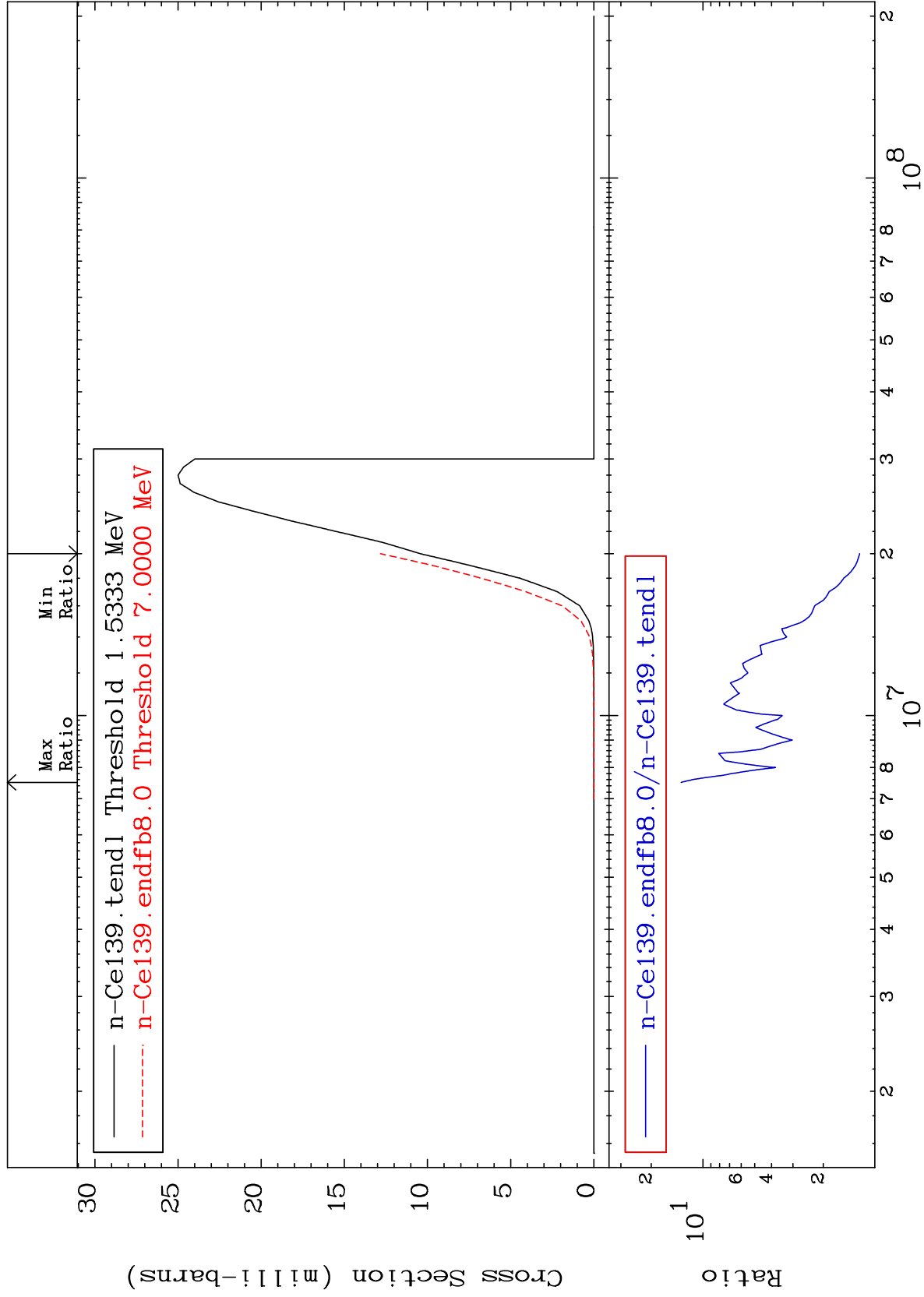


MAT 5834

(n, n') α
Cross Section

58-Ce-139

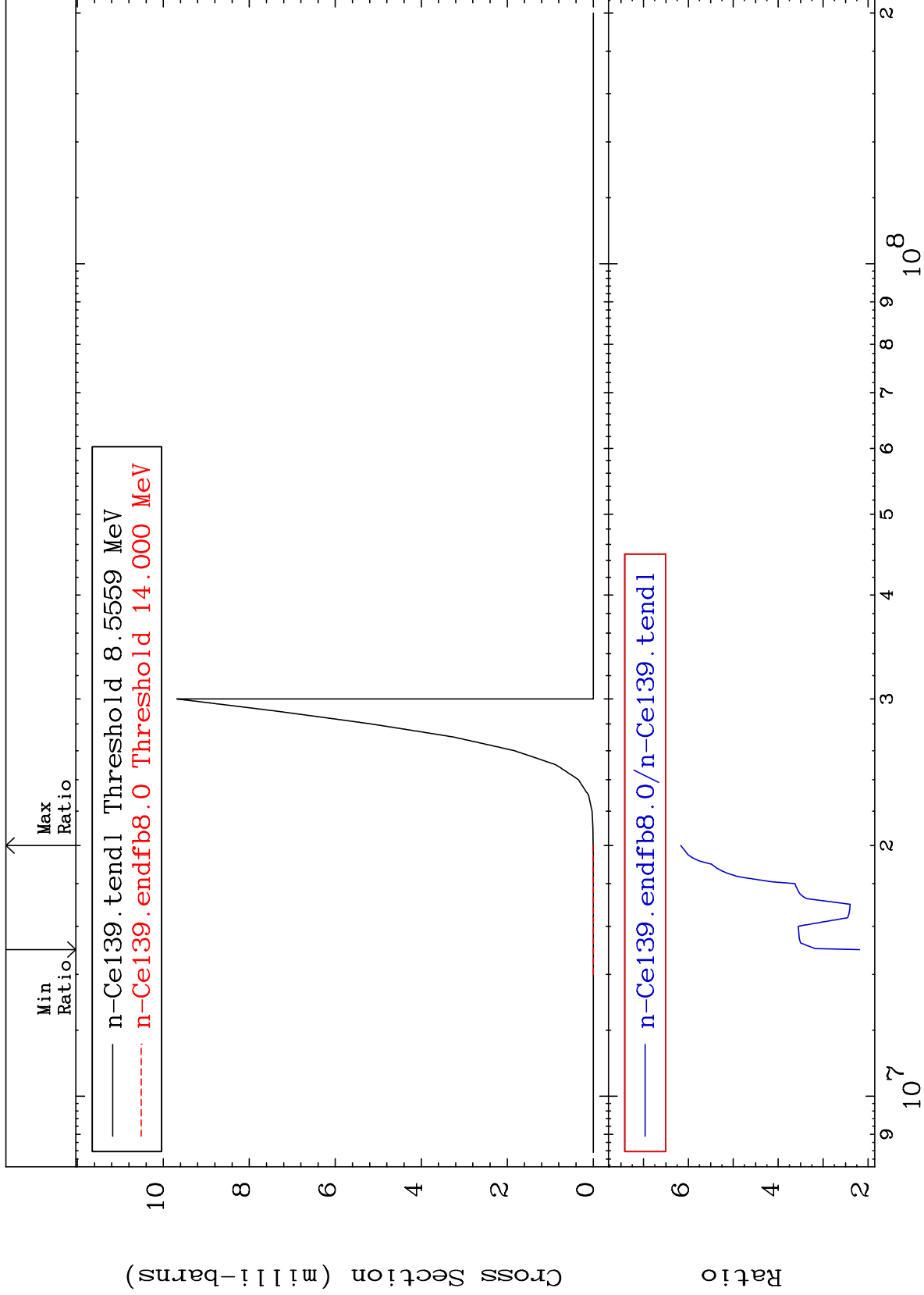
22.91 To 1239. %



MAT 5834

(n,2n) α
Cross Section

58-Ce-139
118.8 To 516.8 %



7

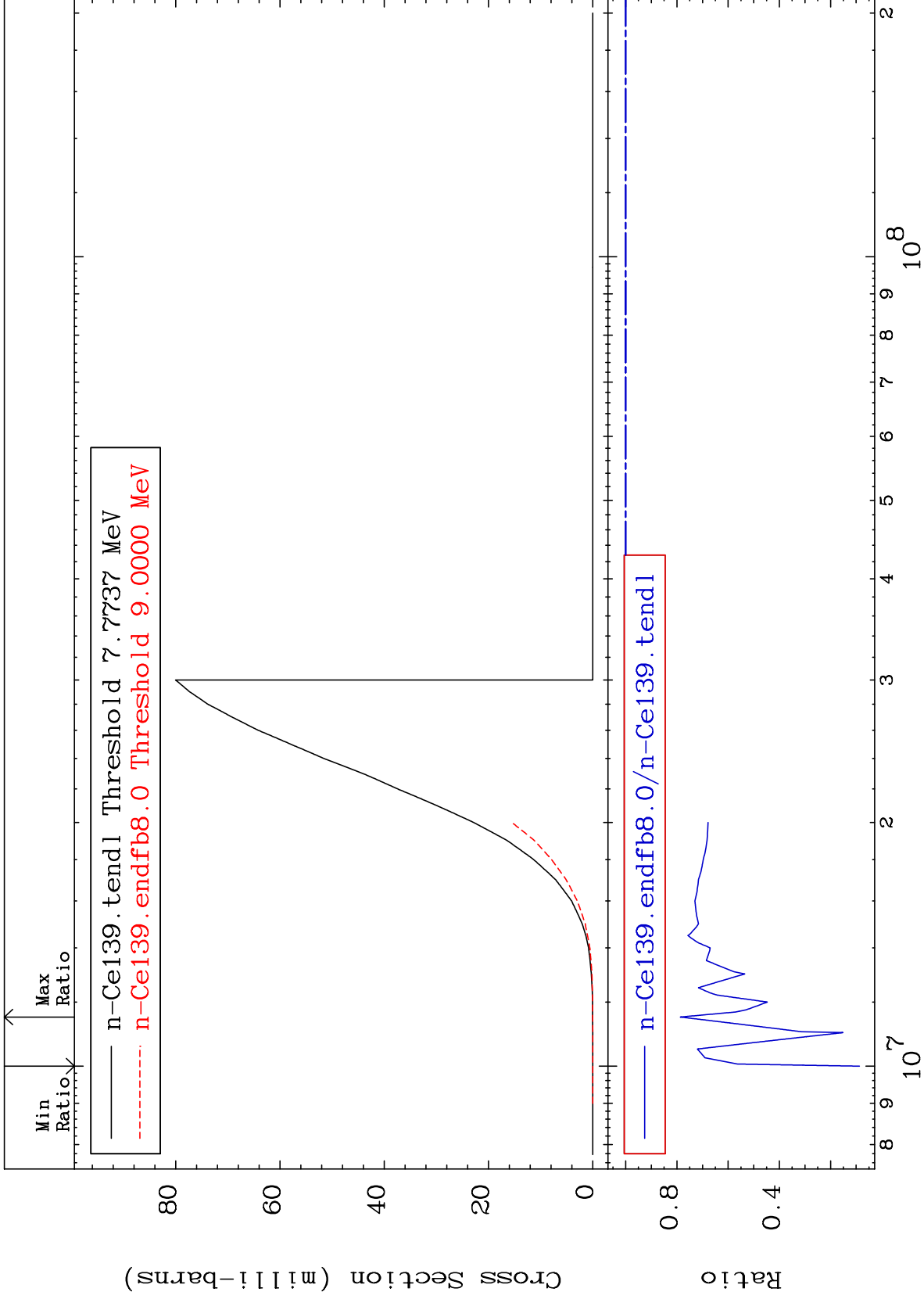
Incident Energy (eV)

58-Ce-139

MAT 5834

(n,n') p
Cross Section

58-Ce-139
-91.28 To -21.34%



8

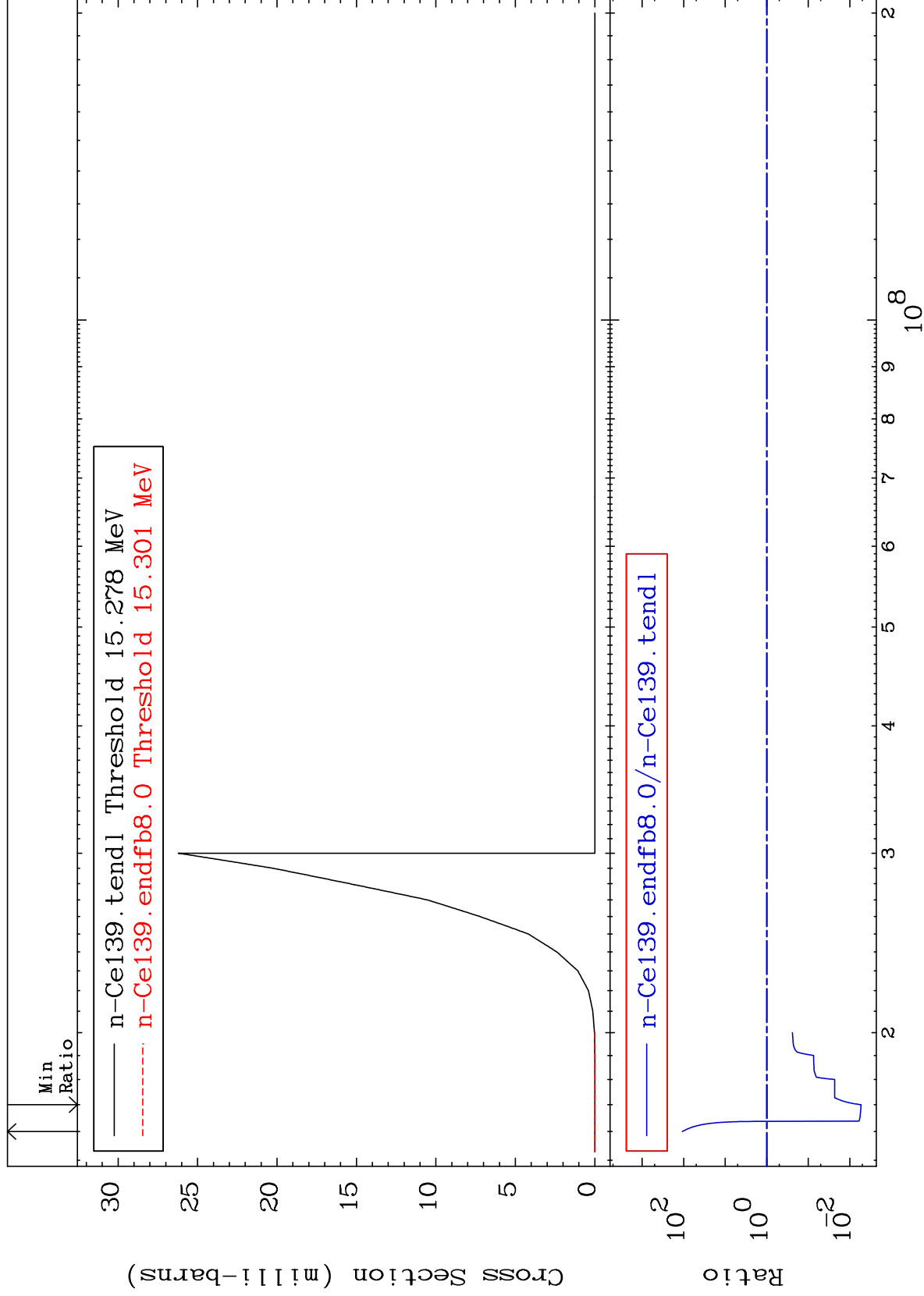
Incident Energy (eV)

58-Ce-139

MAT 5834

(n,2n) p
Cross Section

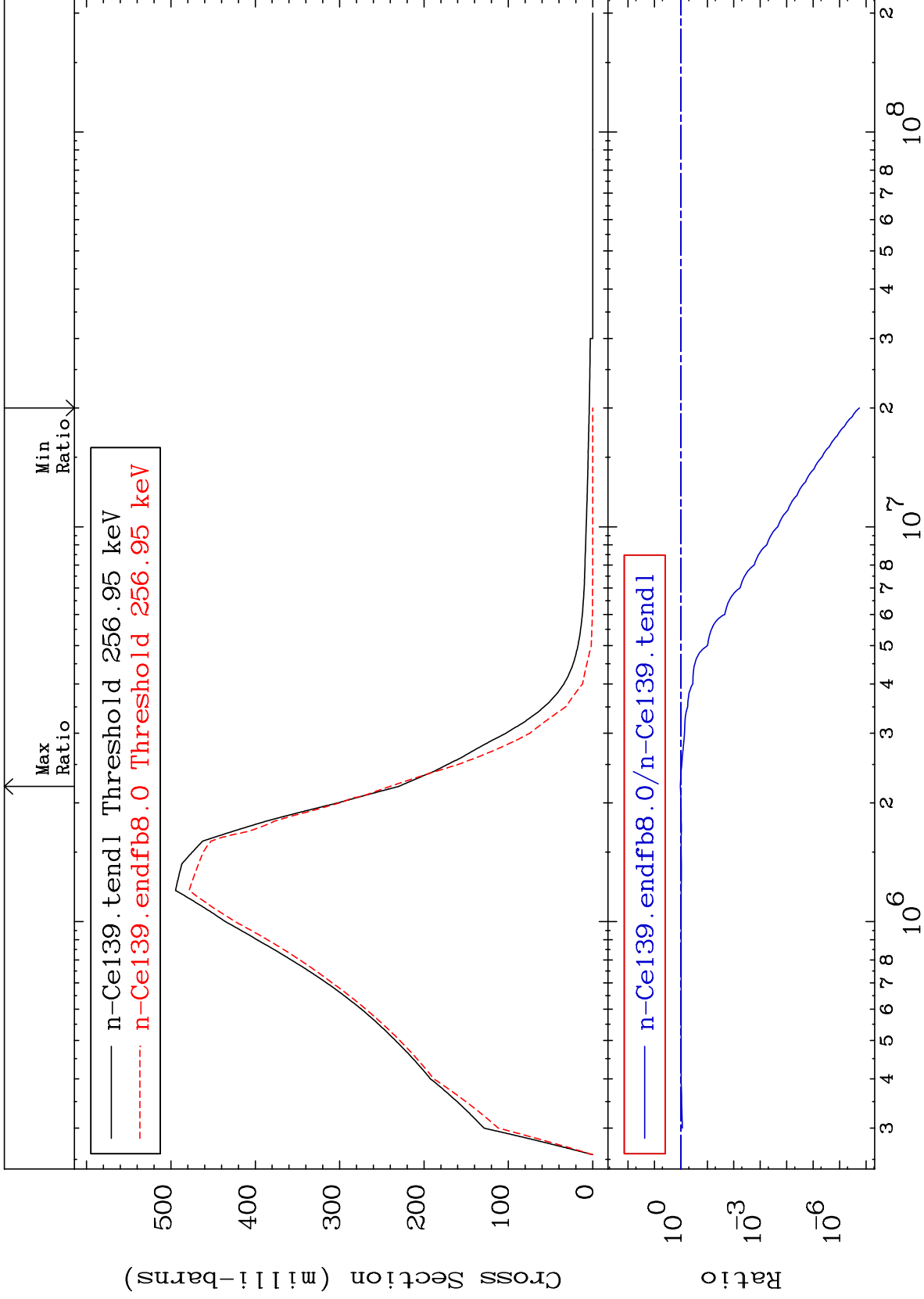
58-Ce-139
-99.46 To 9999. %



MAT 5834

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

58-Ce-139
-100.0 To 4.457 %



10

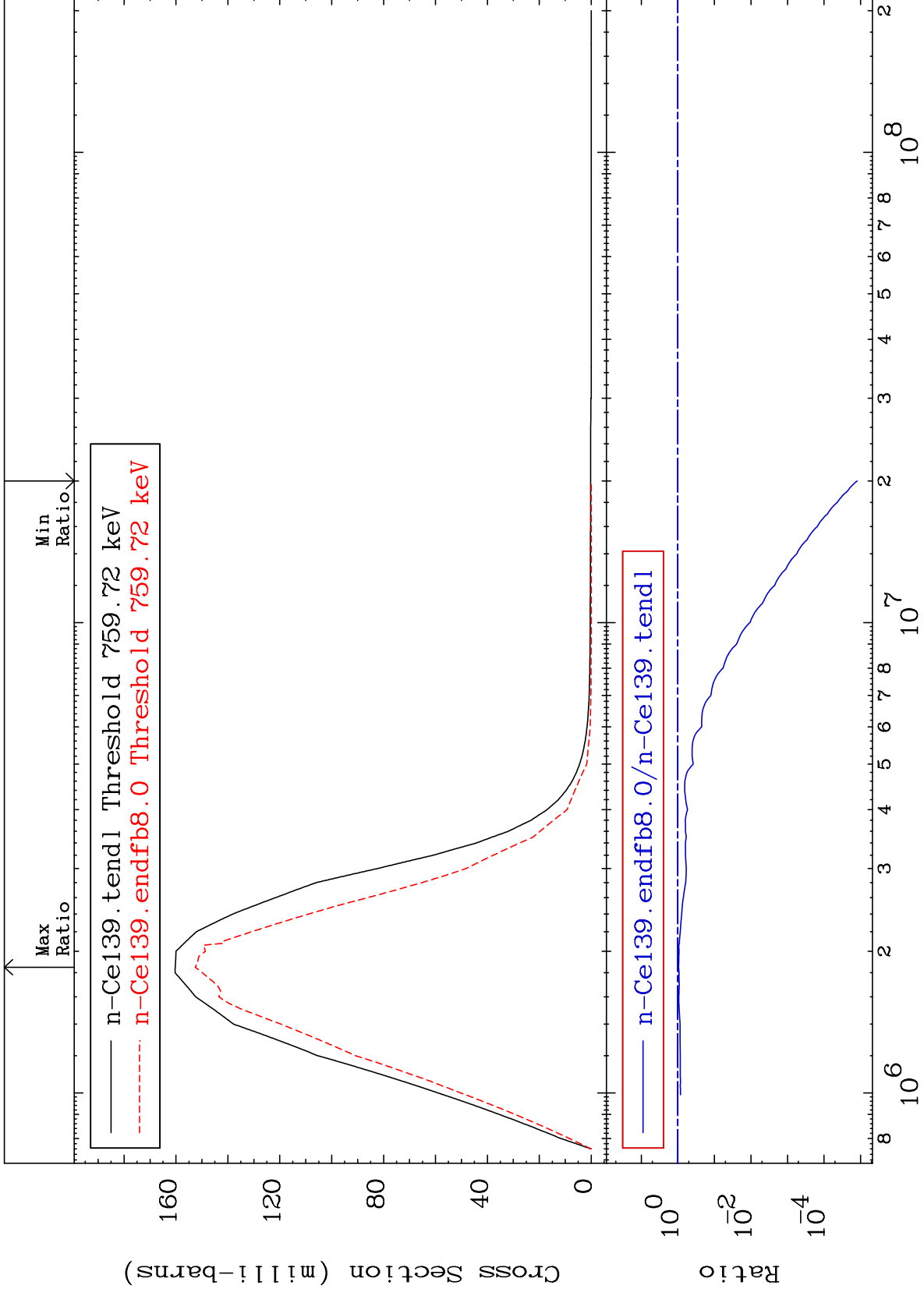
Incident Energy (eV)

58-Ce-139

MAT 5834

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

58-Ce-139
-100.0 To -4.815%



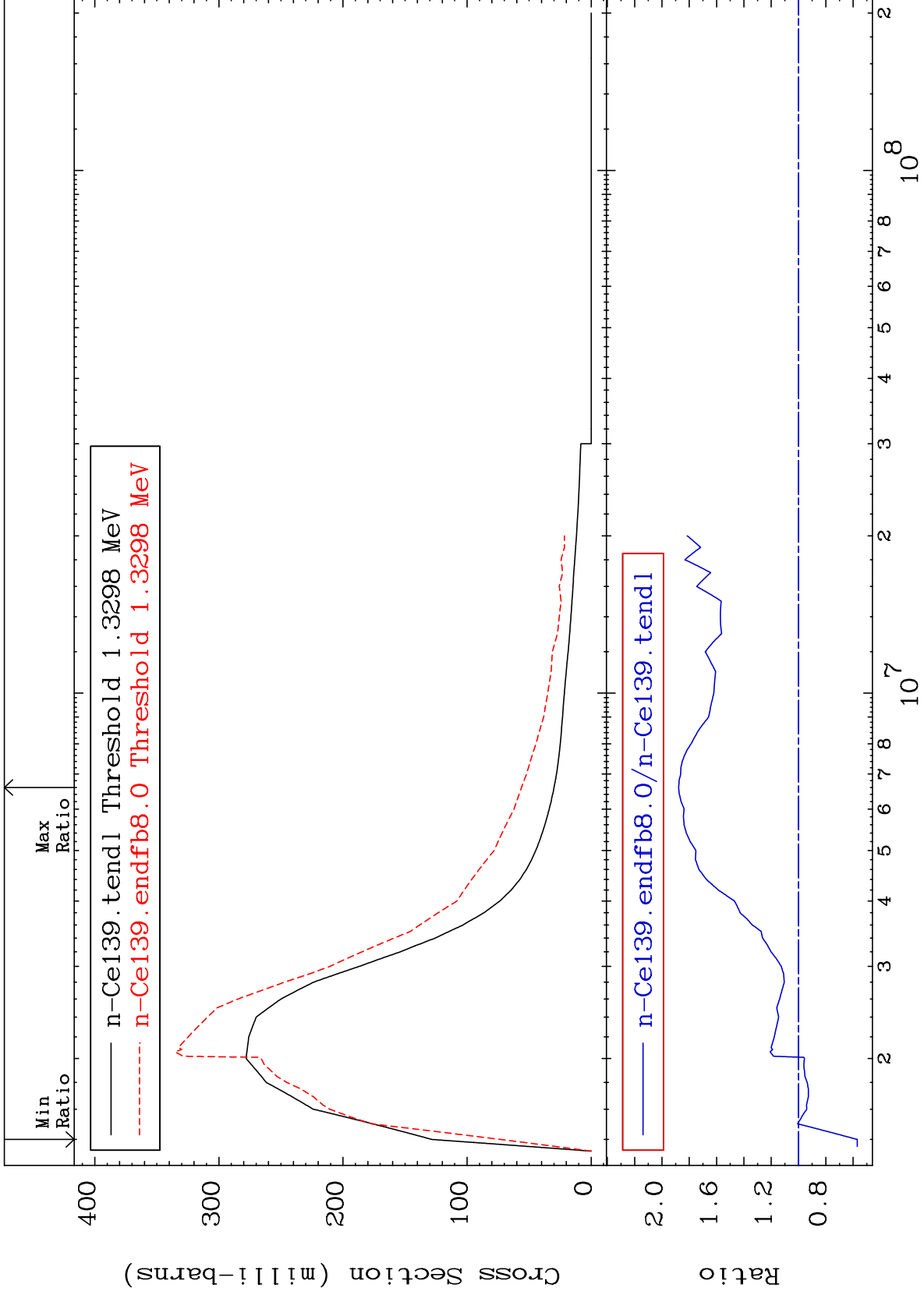
11

58-Ce-139

MAT 5834

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

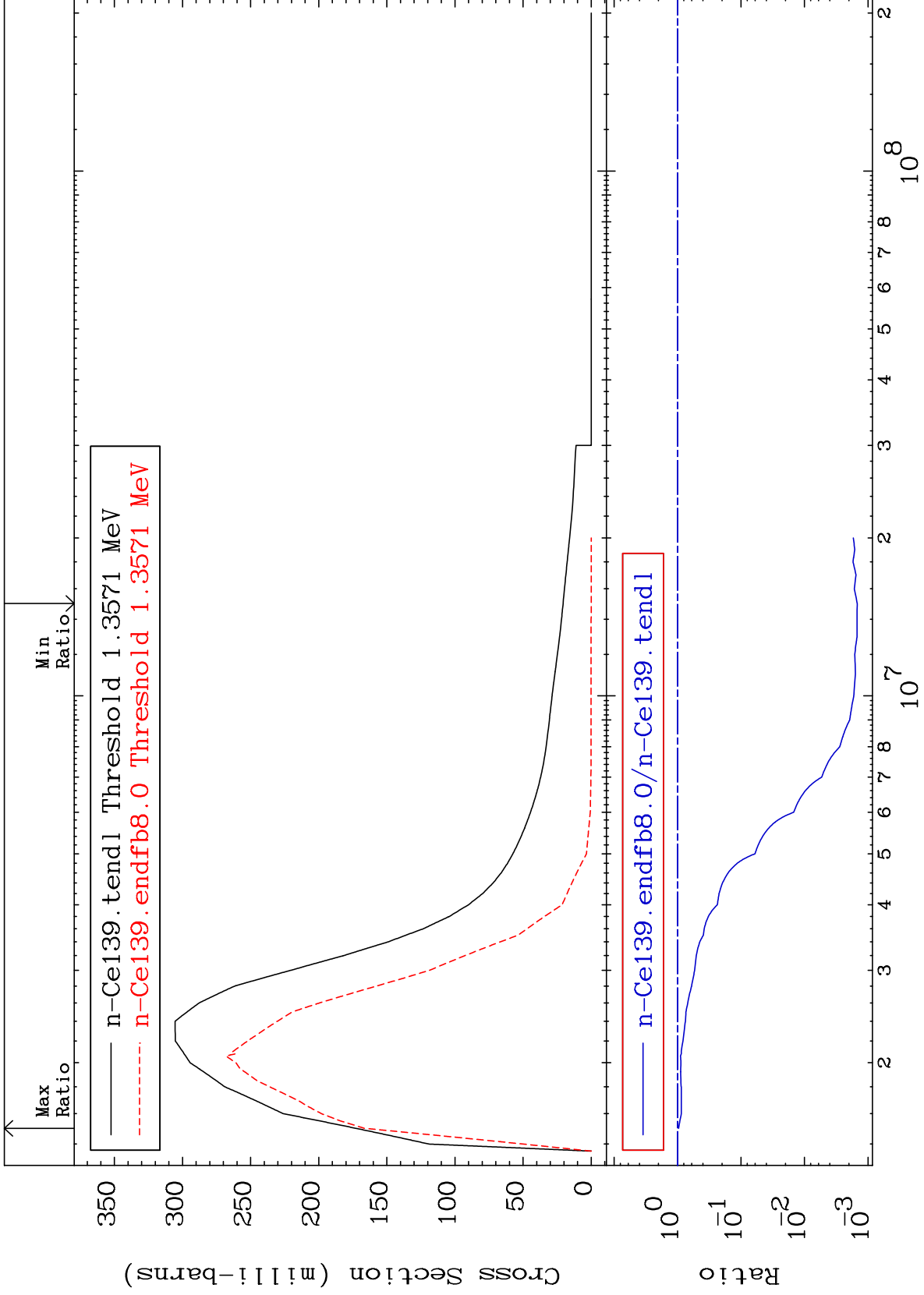
58-Ce-139
-43.00 To 87.79 %



MAT 5834

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

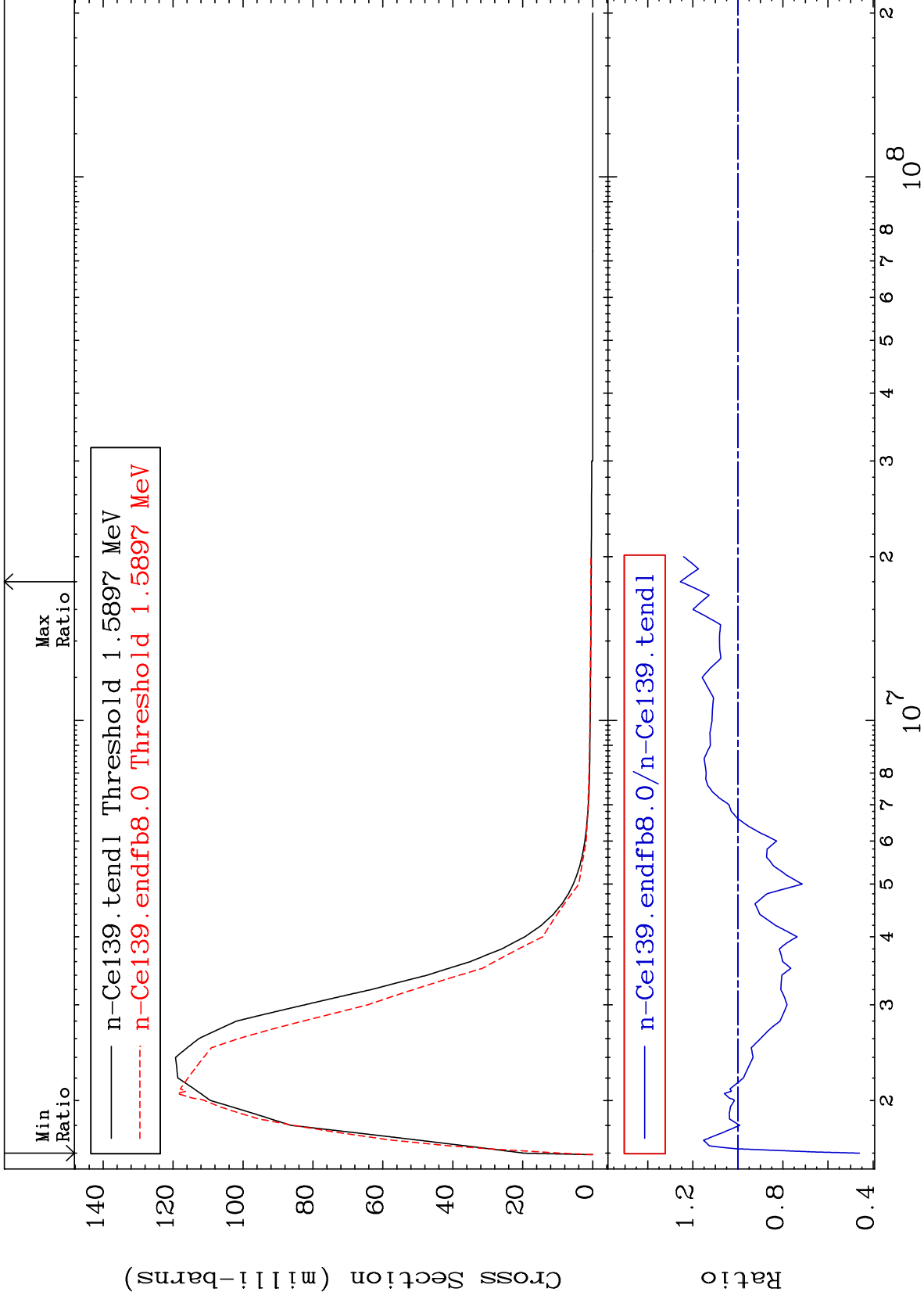
58-Ce-139
-99.85 To -3.632%



MAT 5834

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

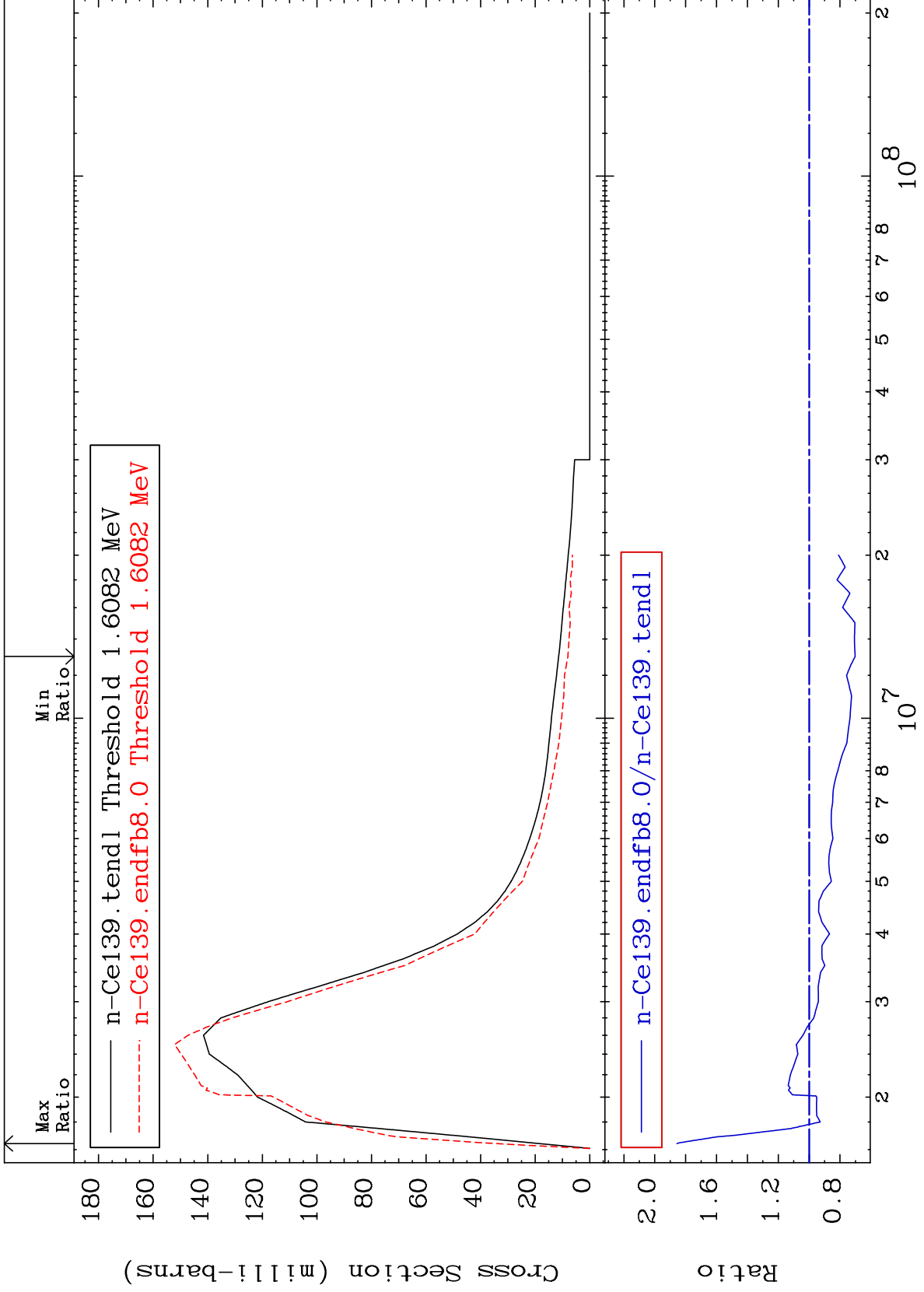
58-Ce-139
-53.93 To 25.51 %



MAT 5834

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

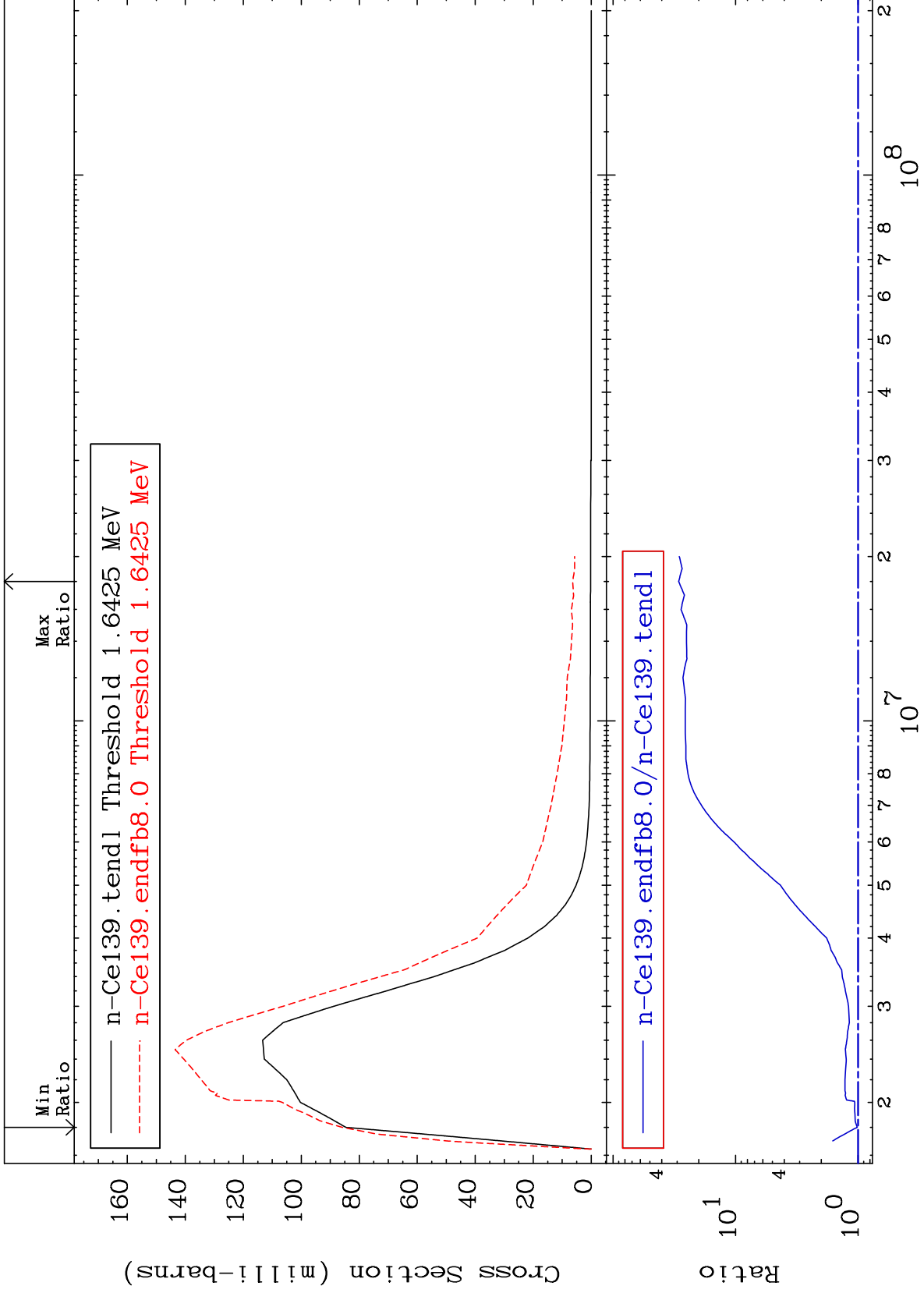
58-Ce-139
-29.75 To 85.65 %



MAT 5834

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

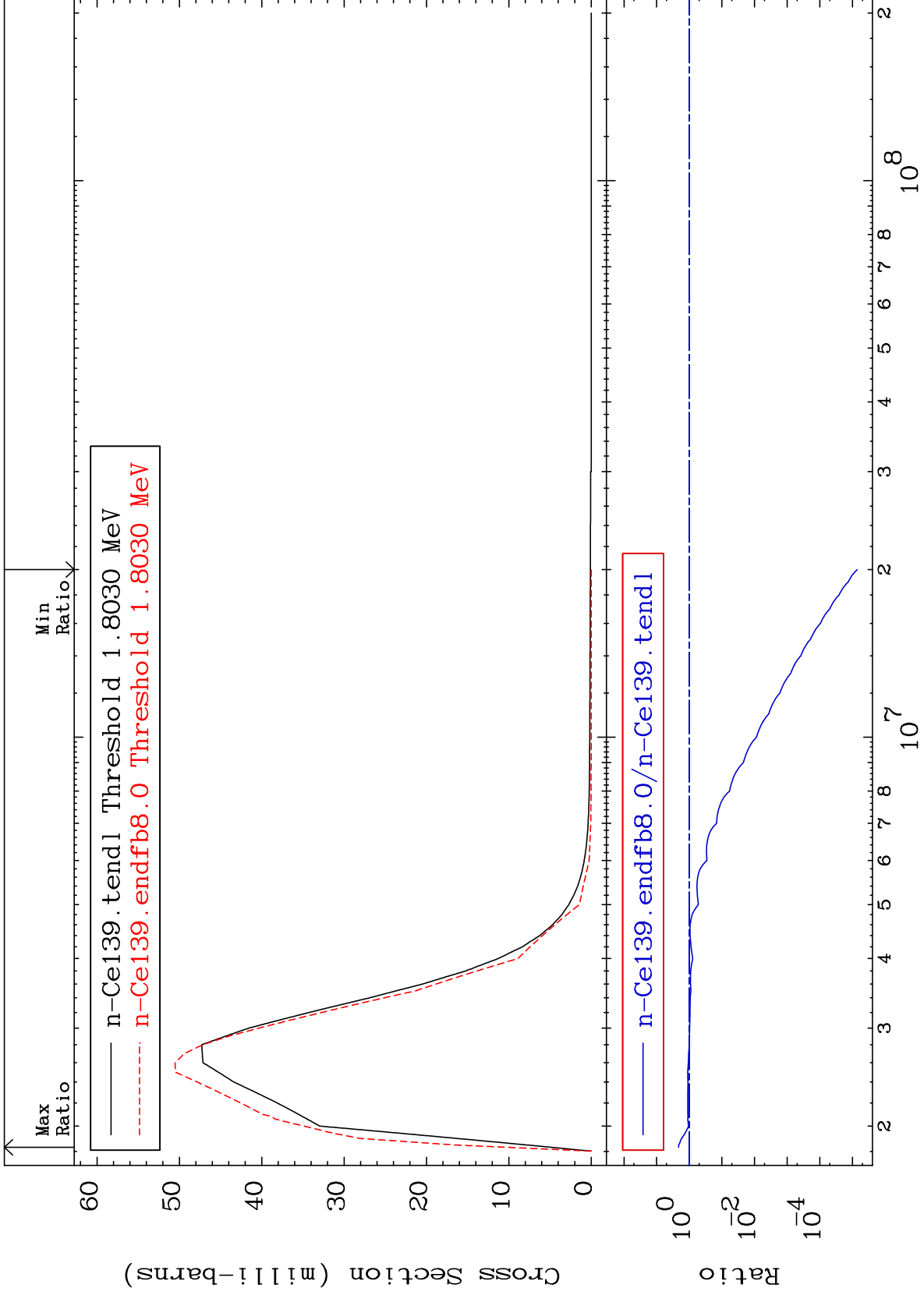
58-Ce-139
1.478 To 2817. %



MAT 5834

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

58-Ce-139
-100.0 To 112.1 %



17

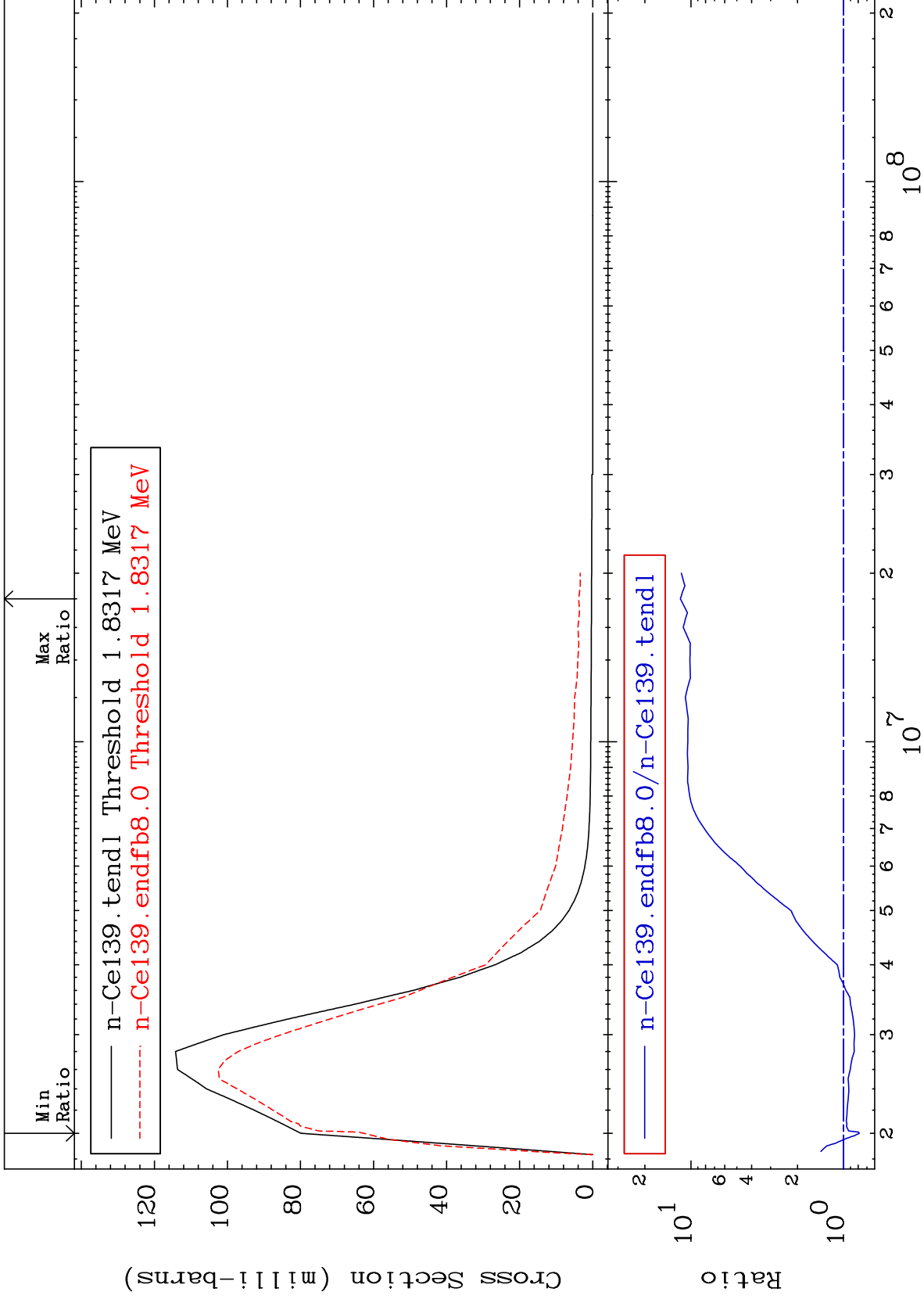
Incident Energy (eV)

58-Ce-139

MAT 5834

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

58-Ce-139
-21.49 To 1072. %



18

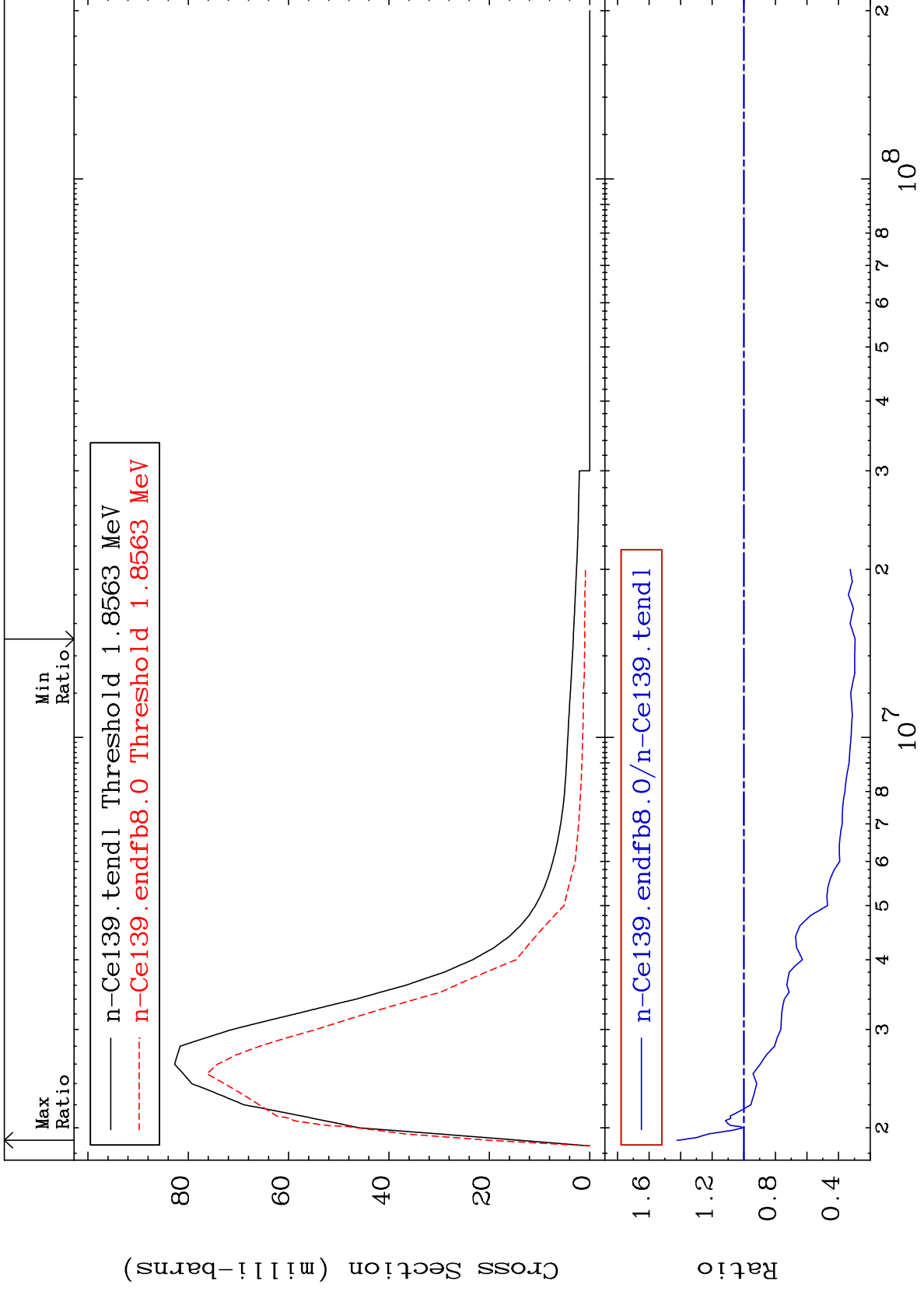
Incident Energy (eV)

58-Ce-139

MAT 5834

MT= 60 (n,n') Level
Cross Section

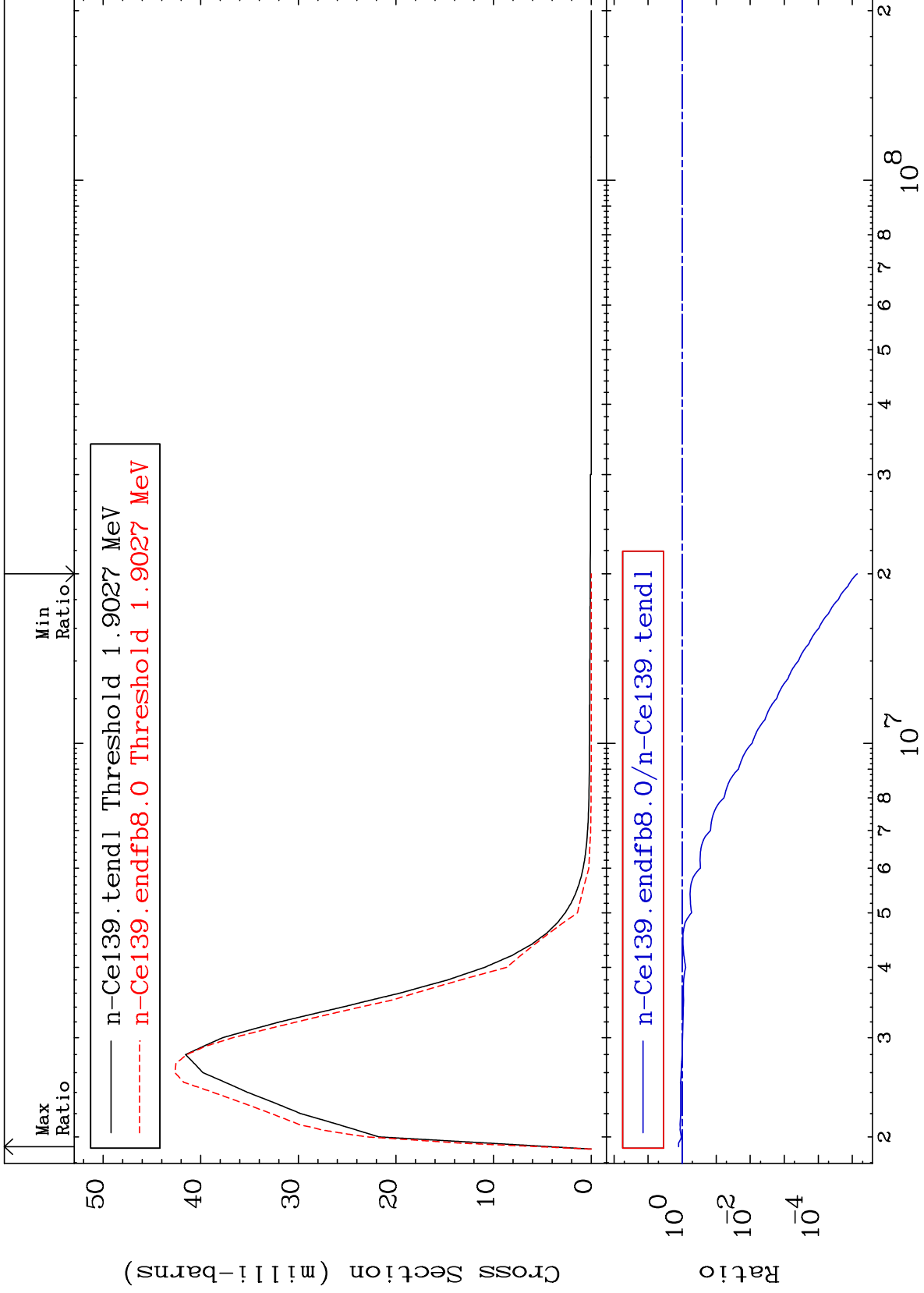
58-Ce-139
-70.45 To 42.37 %



MAT 5834

MT= 61 (n,n') Level
Cross Section

58-Ce-139
-100.0 To 26.85 %



20

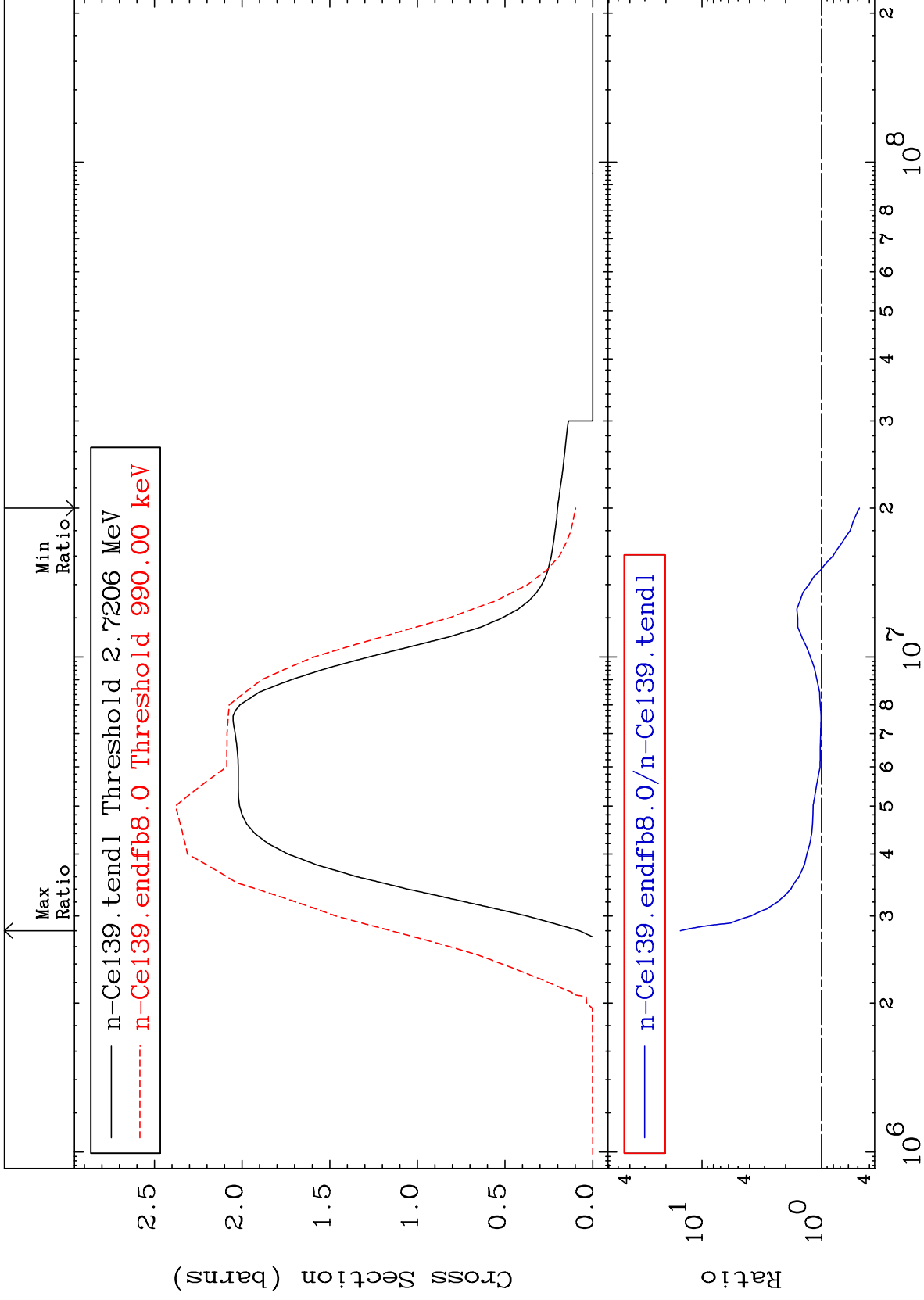
58-Ce-139

58-Ce-139

MAT 5834

(n, n') Continuum
Cross Section

58-Ce-139
-51.55 To 1415. %



21

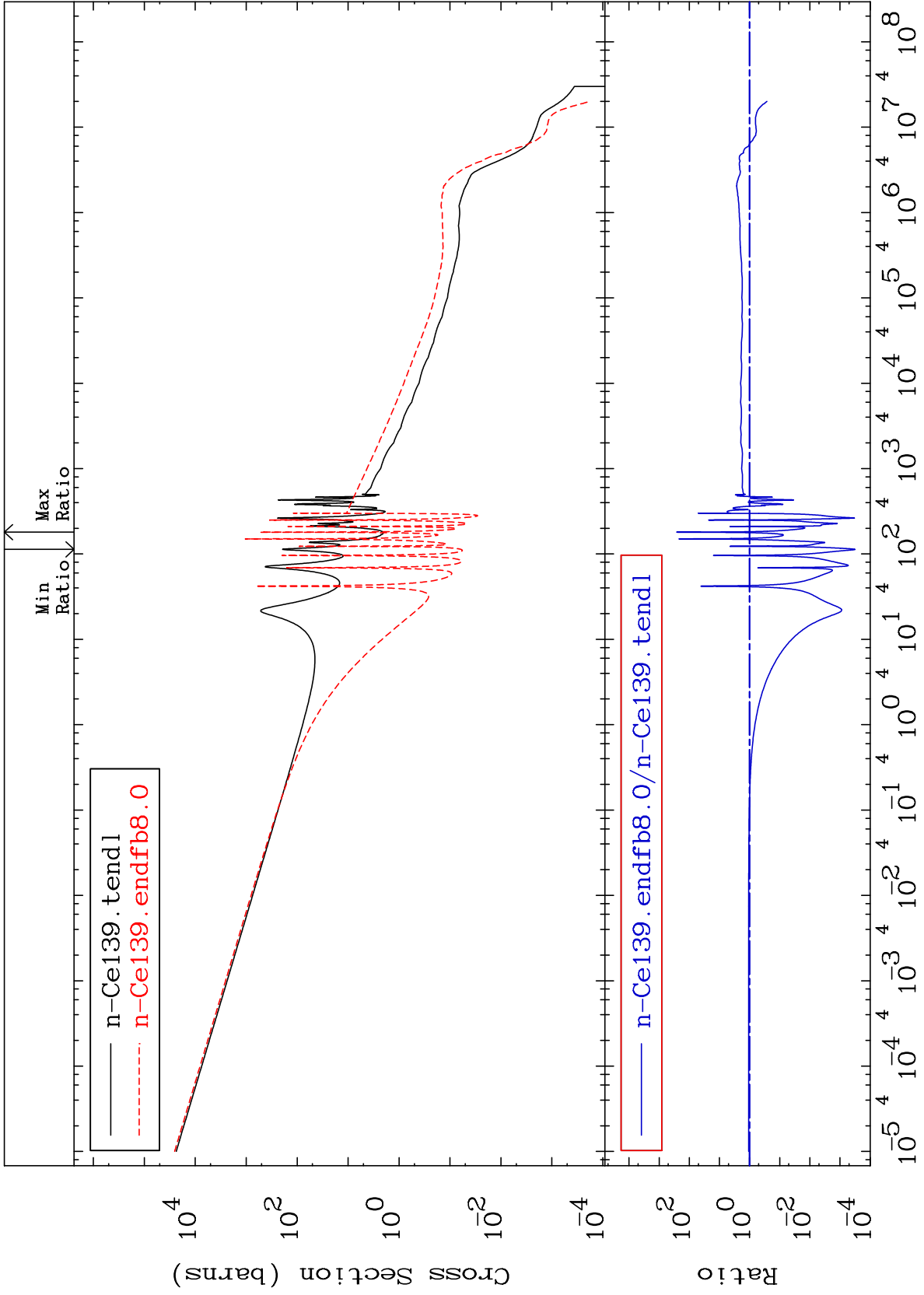
58-Ce-139

58-Ce-139

MAT 5834

(n, γ)
Cross Section

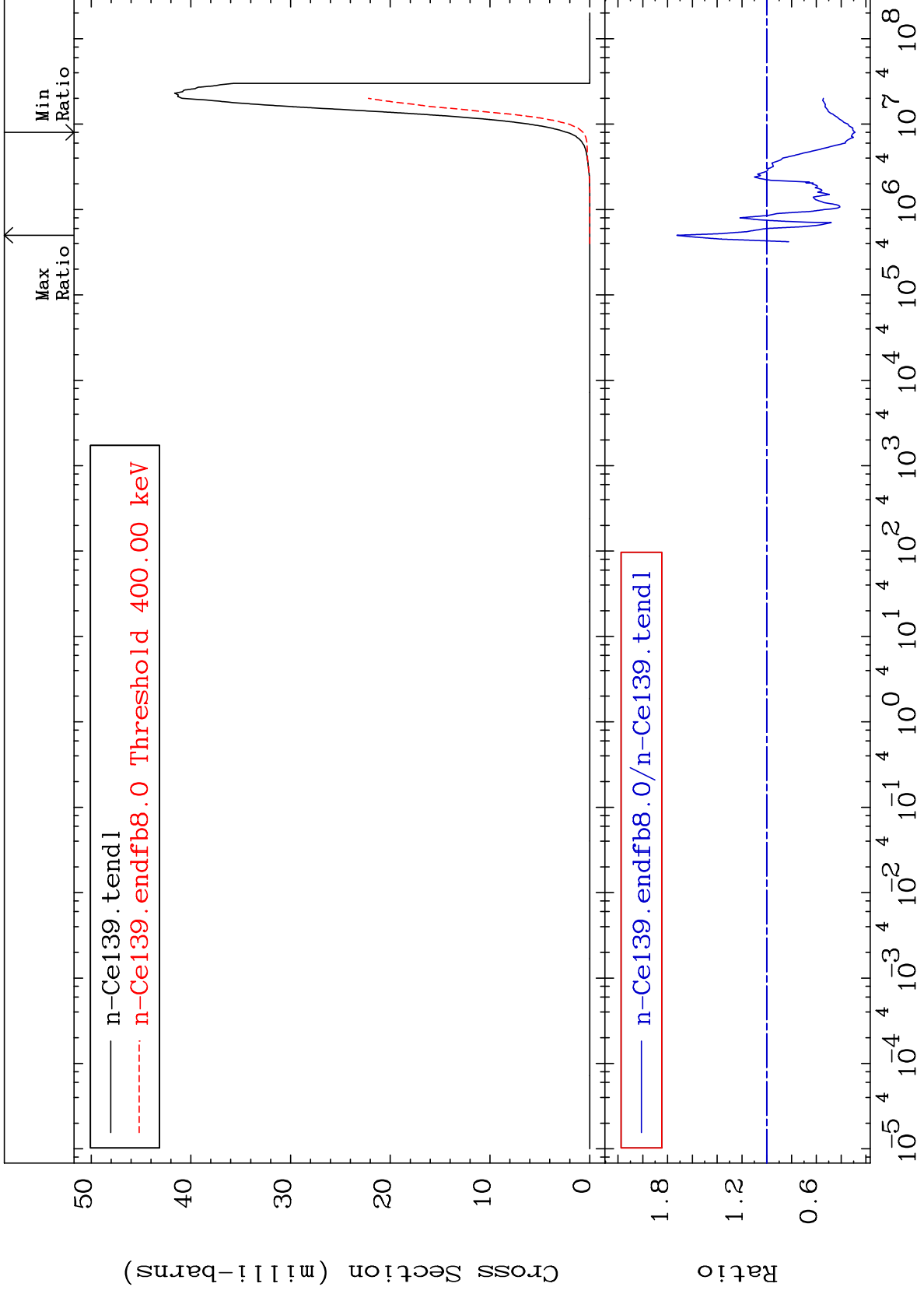
58-Ce-139
-99.97 To 9999. %



MAT 5834

(n,p)
Cross Section

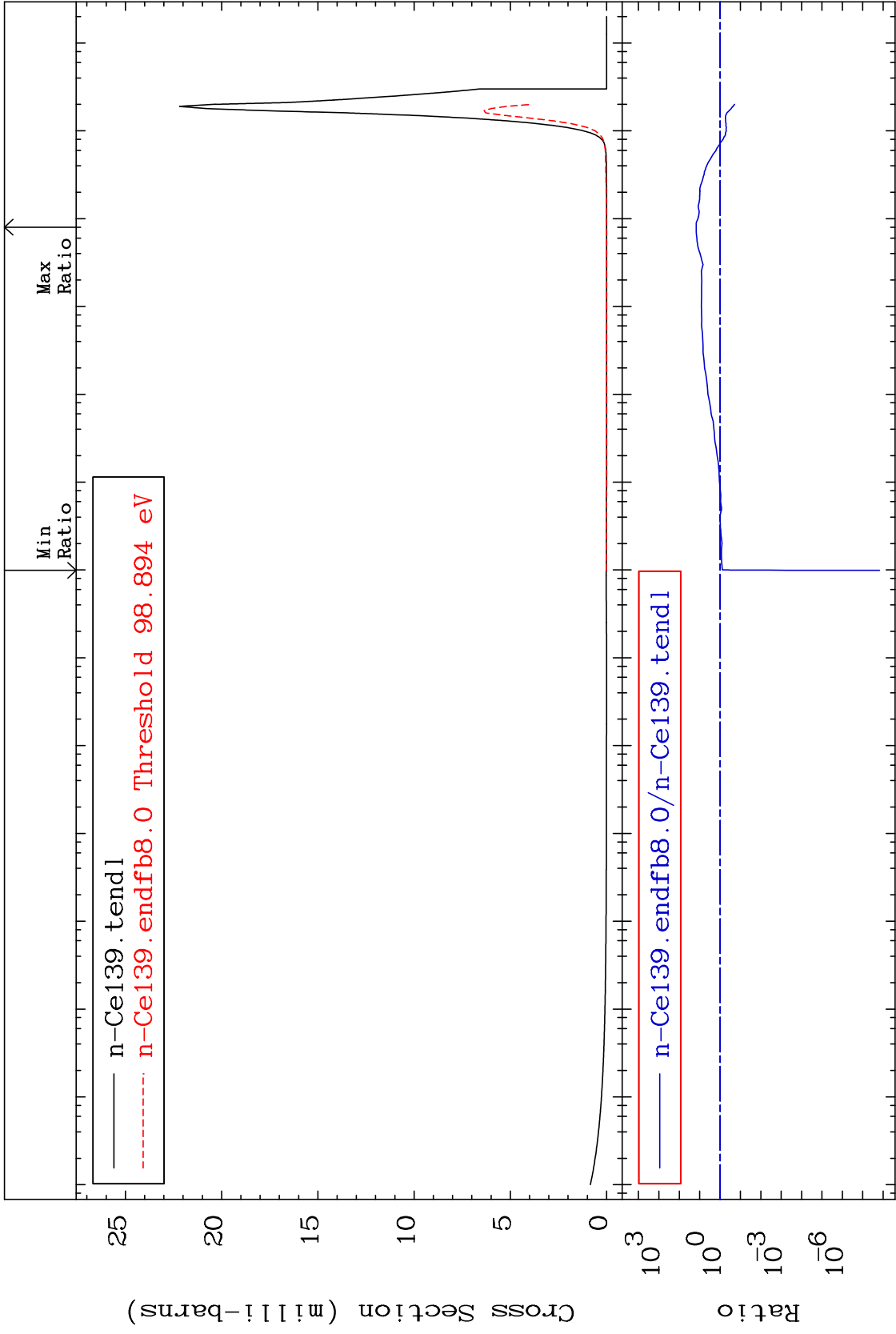
58-Ce-139
-71.24 To 72.45 %



MAT 5834

(n, α)
Cross Section

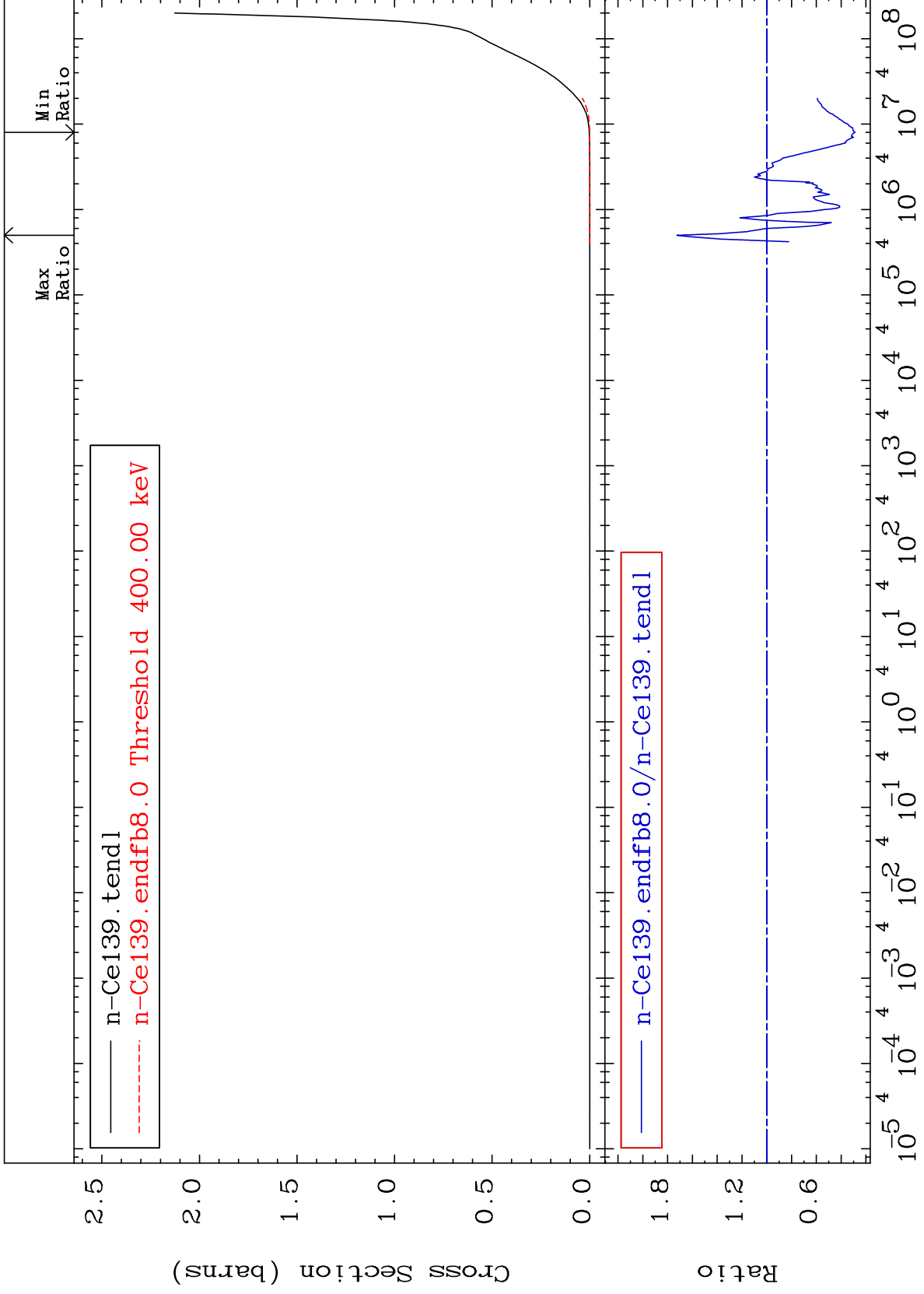
58-Ce-139
-100.0 To 1366. %



MAT 5834

Hydrogen Production Cross Section

58-Ce-139
-71.24 To 72.45 %



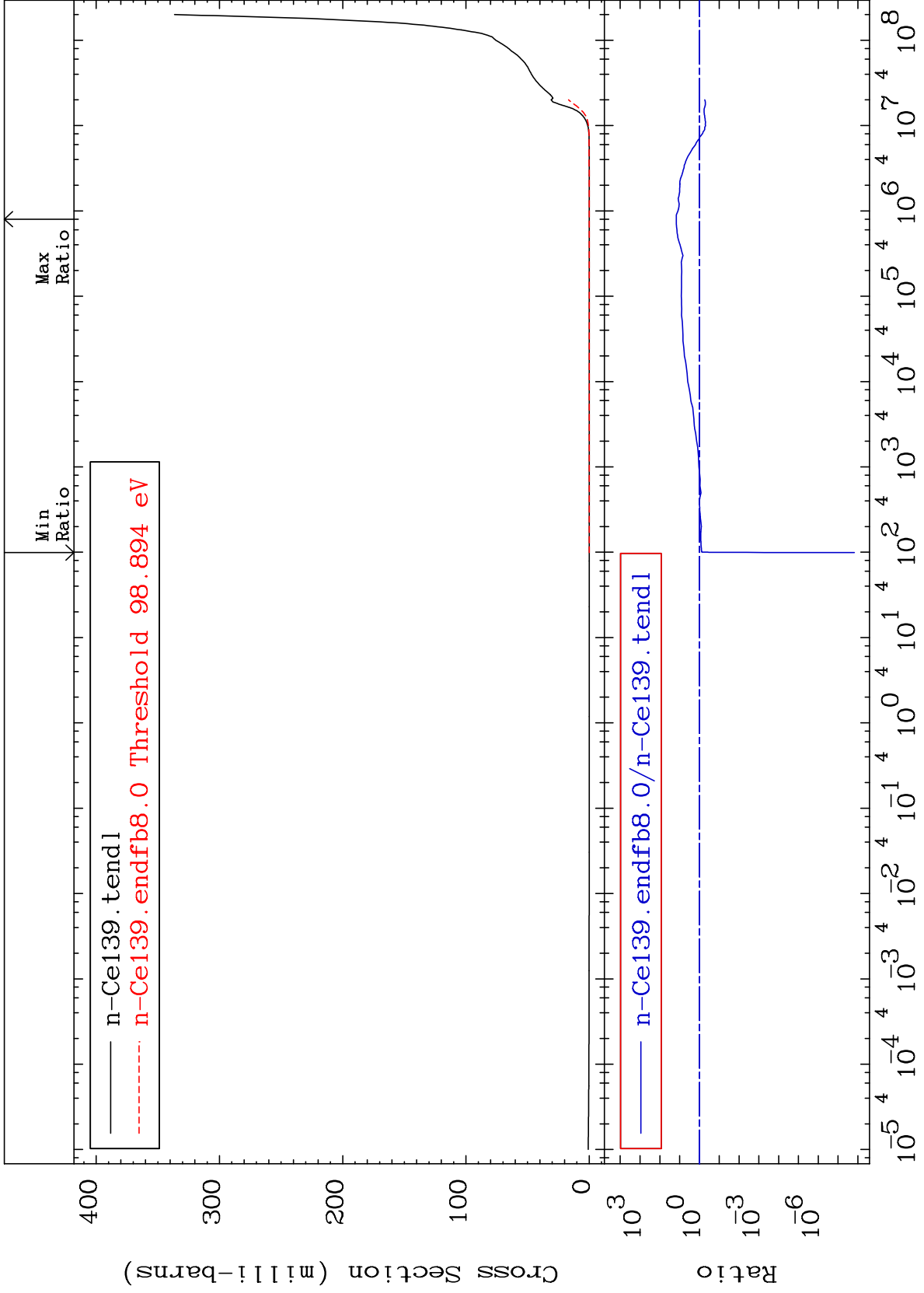
25

58-Ce-139

MAT 5834

He-4 Production
Cross Section

58-Ce-139
-100.0 To 1366. %

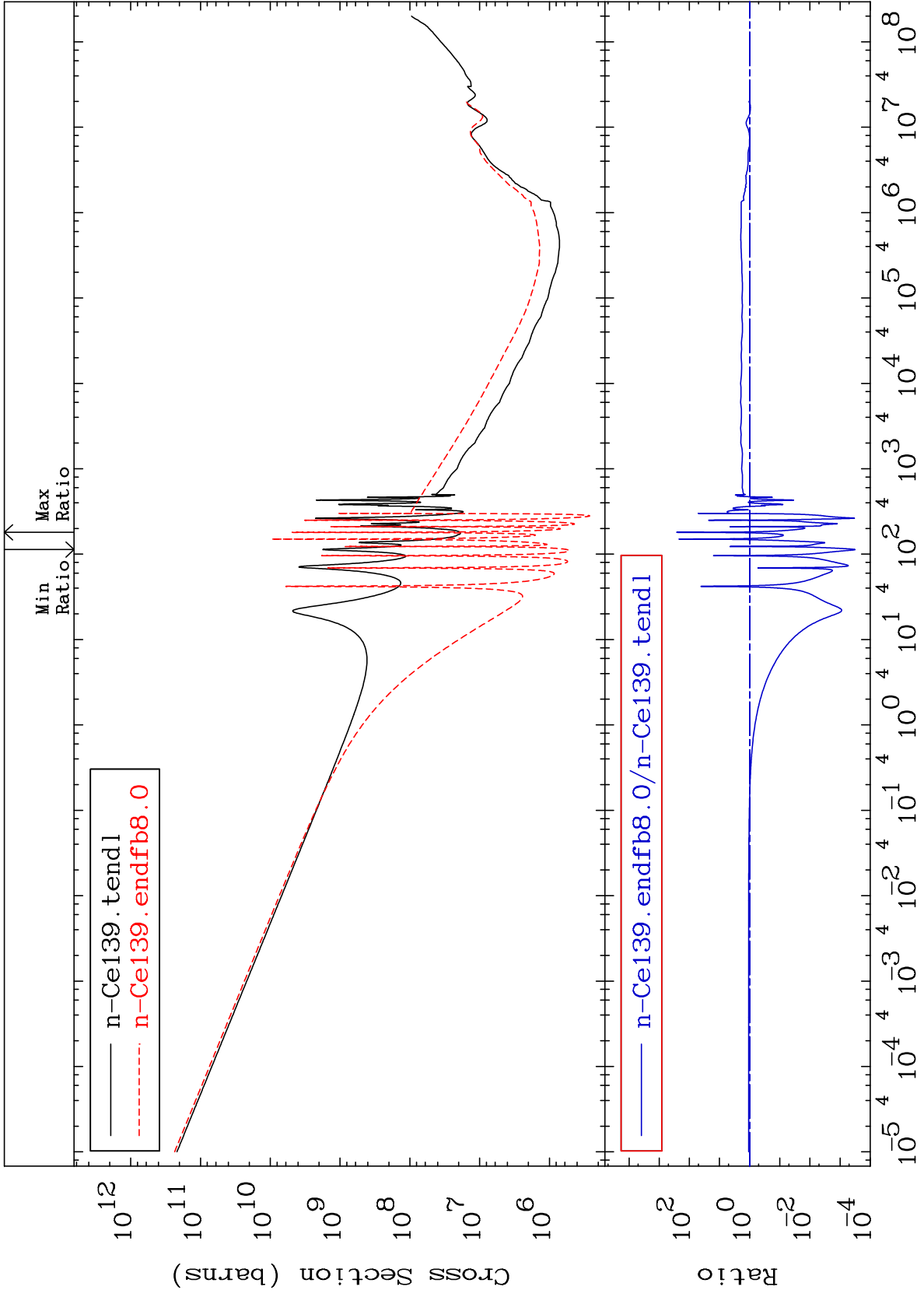


MAT 5834

Kerma total (eV-barns)

58-Ce-139

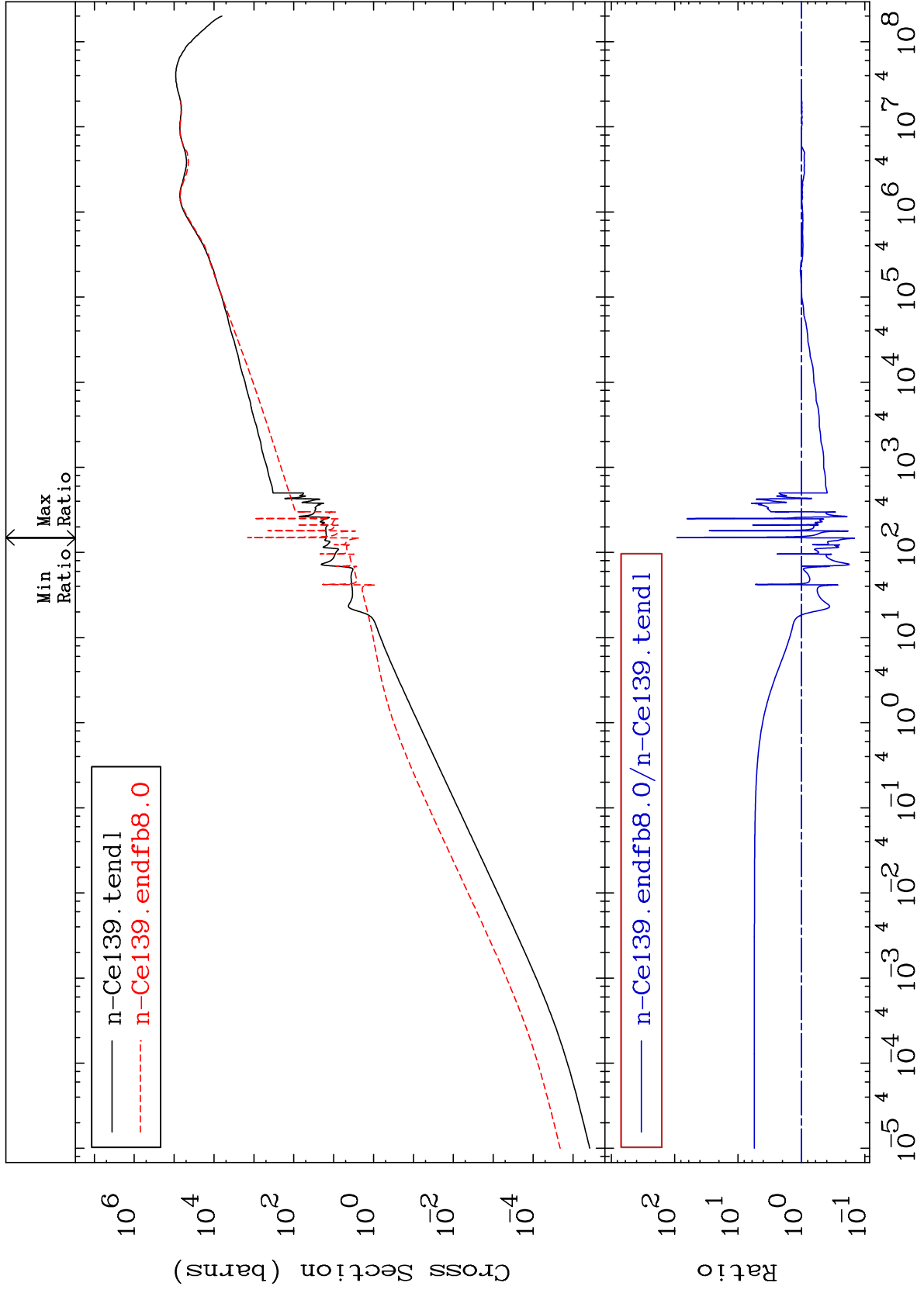
-99.97 To 9999. %

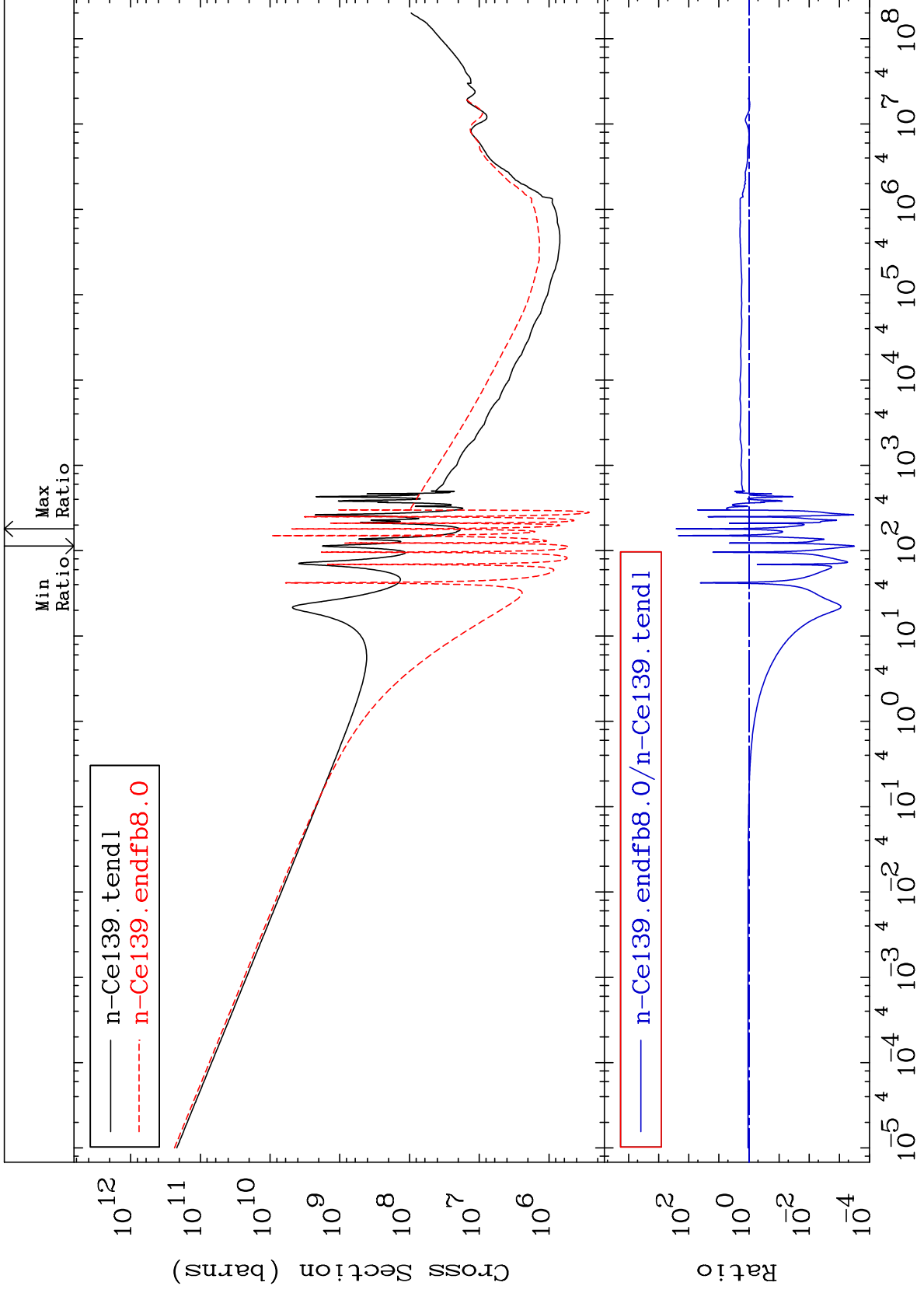


MAT 5834

Kerma elastic
Cross Section

58-Ce-139
-85.42 To 9162. %

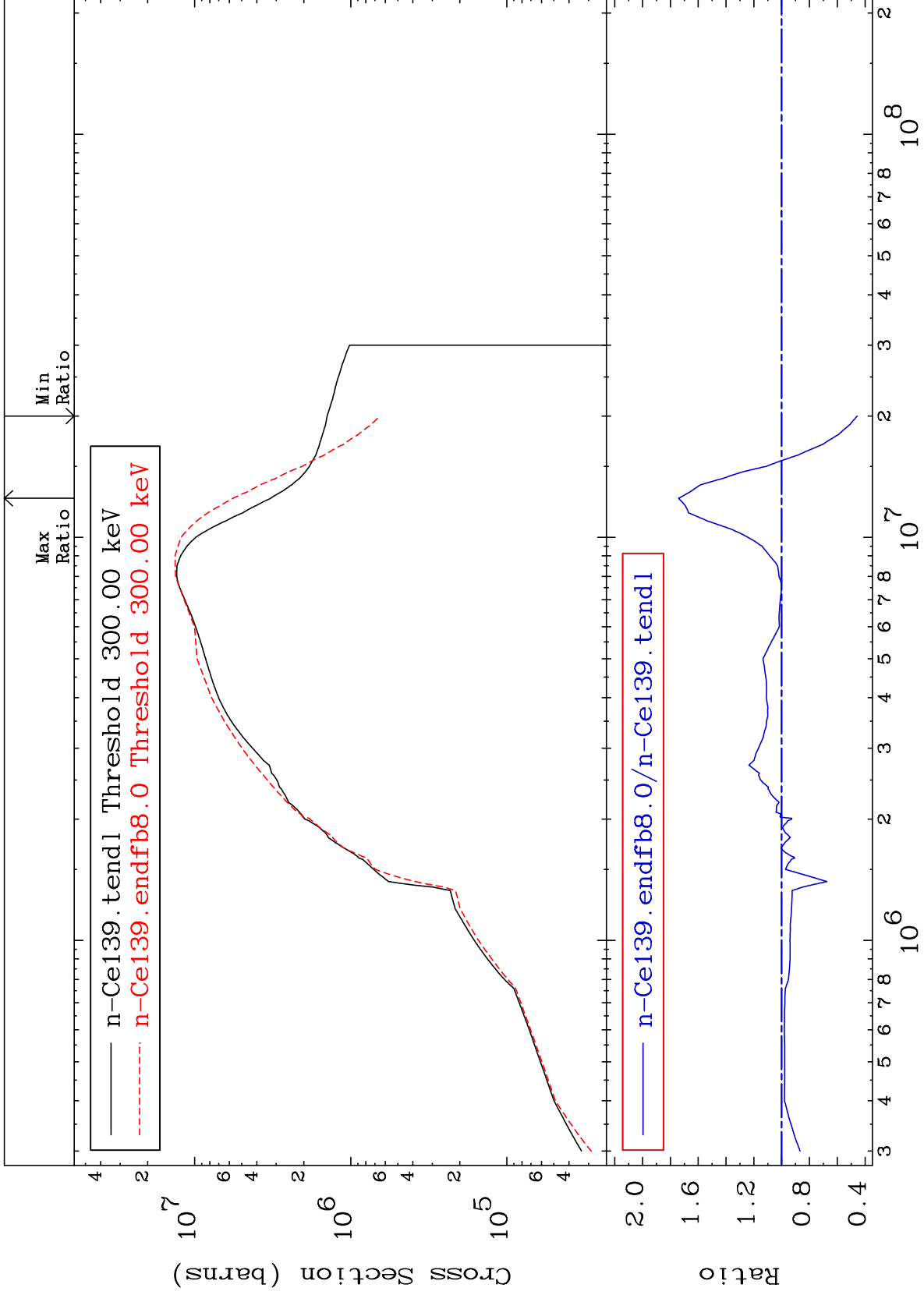




MAT 5834

Kerma inelastic (mt51-91)
Cross Section

58-Ce-139
-54.38 To 74.08 %



30

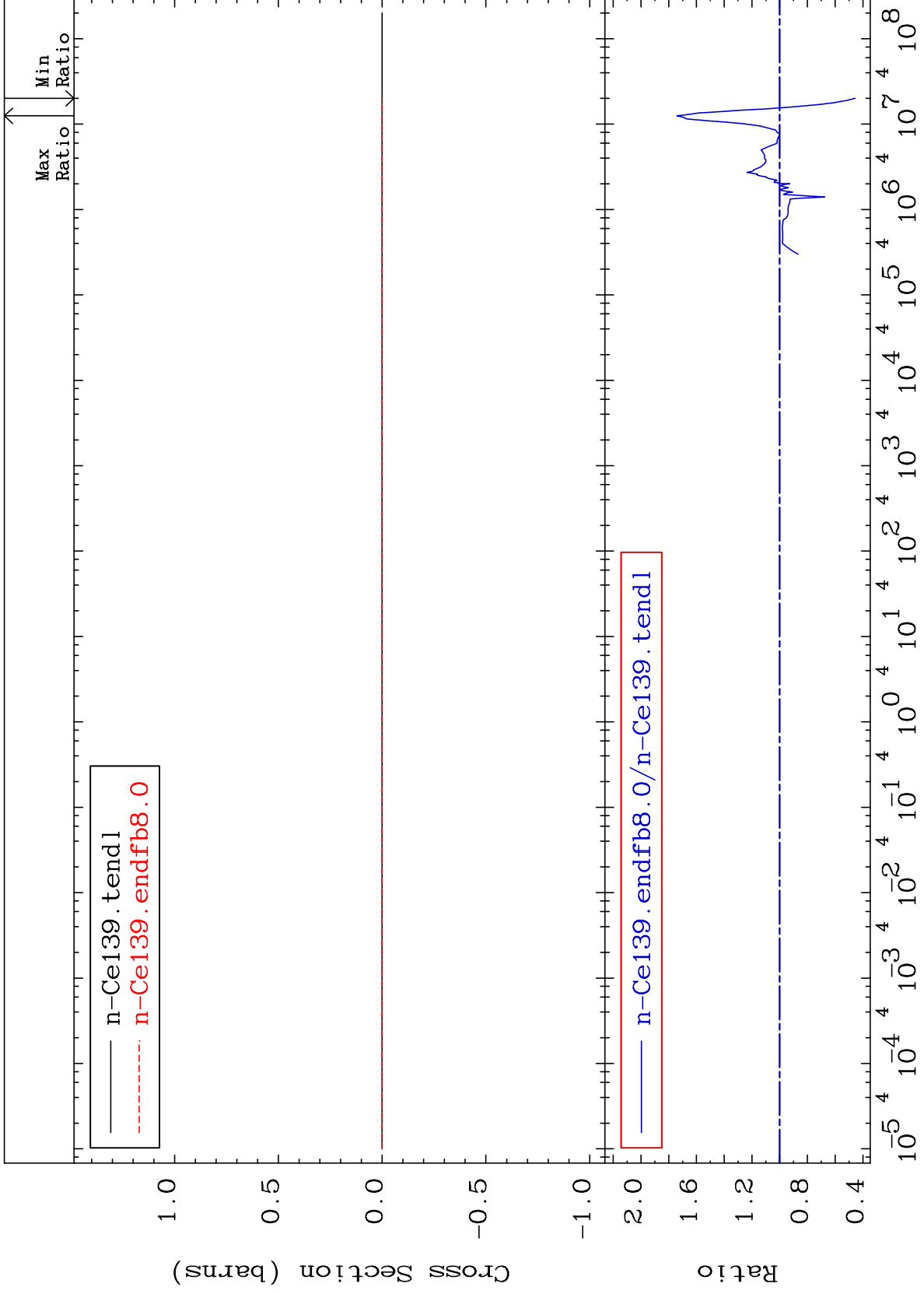
Incident Energy (eV)

58-Ce-139

MAT 5834

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

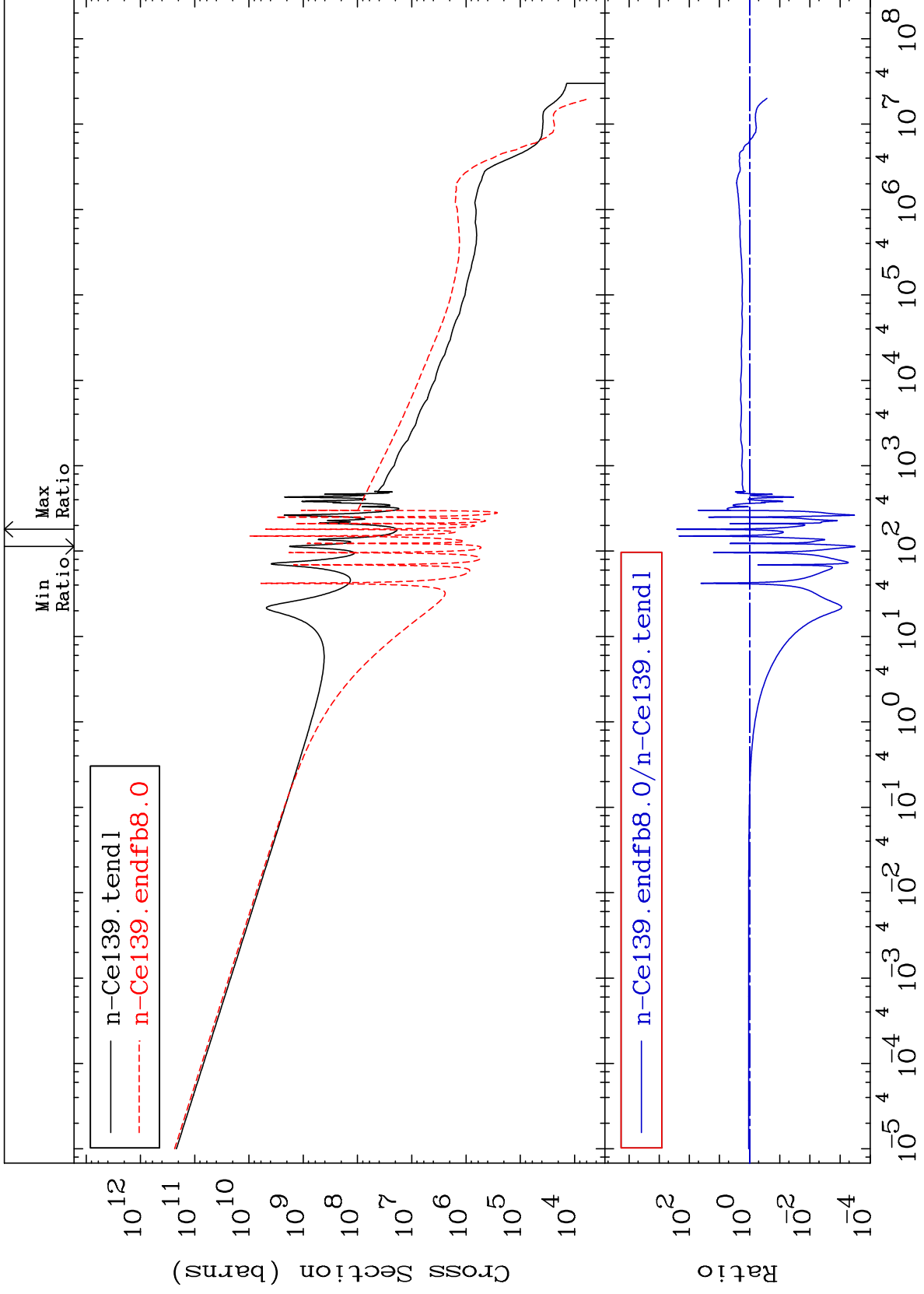
58-Ce-139
-54.38 To 74.08 %



MAT 5834

Kerma capture (mt102)
Cross Section

58-Ce-139
-99.97 To 9999. %

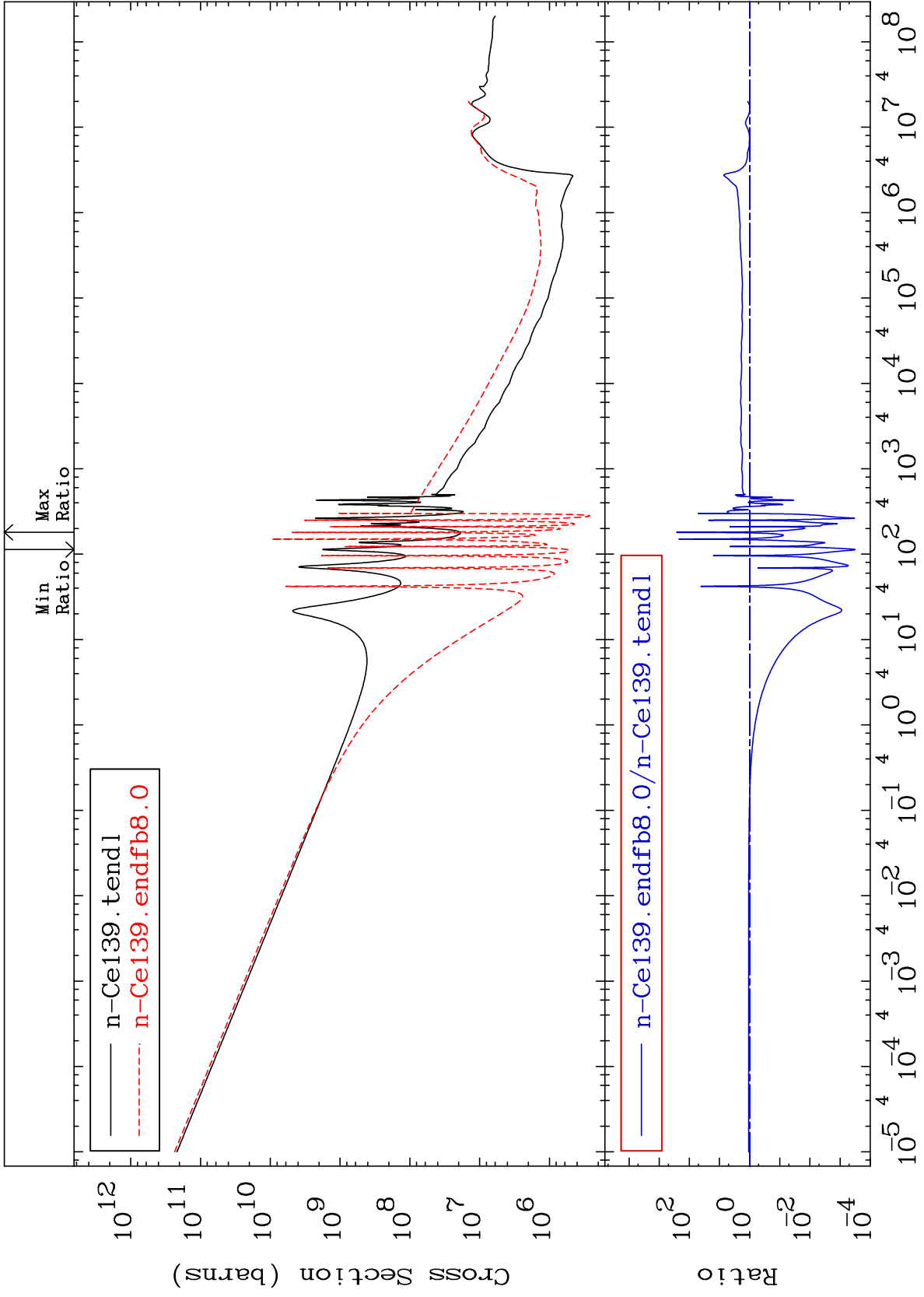


MAT 5834

Total photon (eV-barns)
Cross Section

58-Ce-139

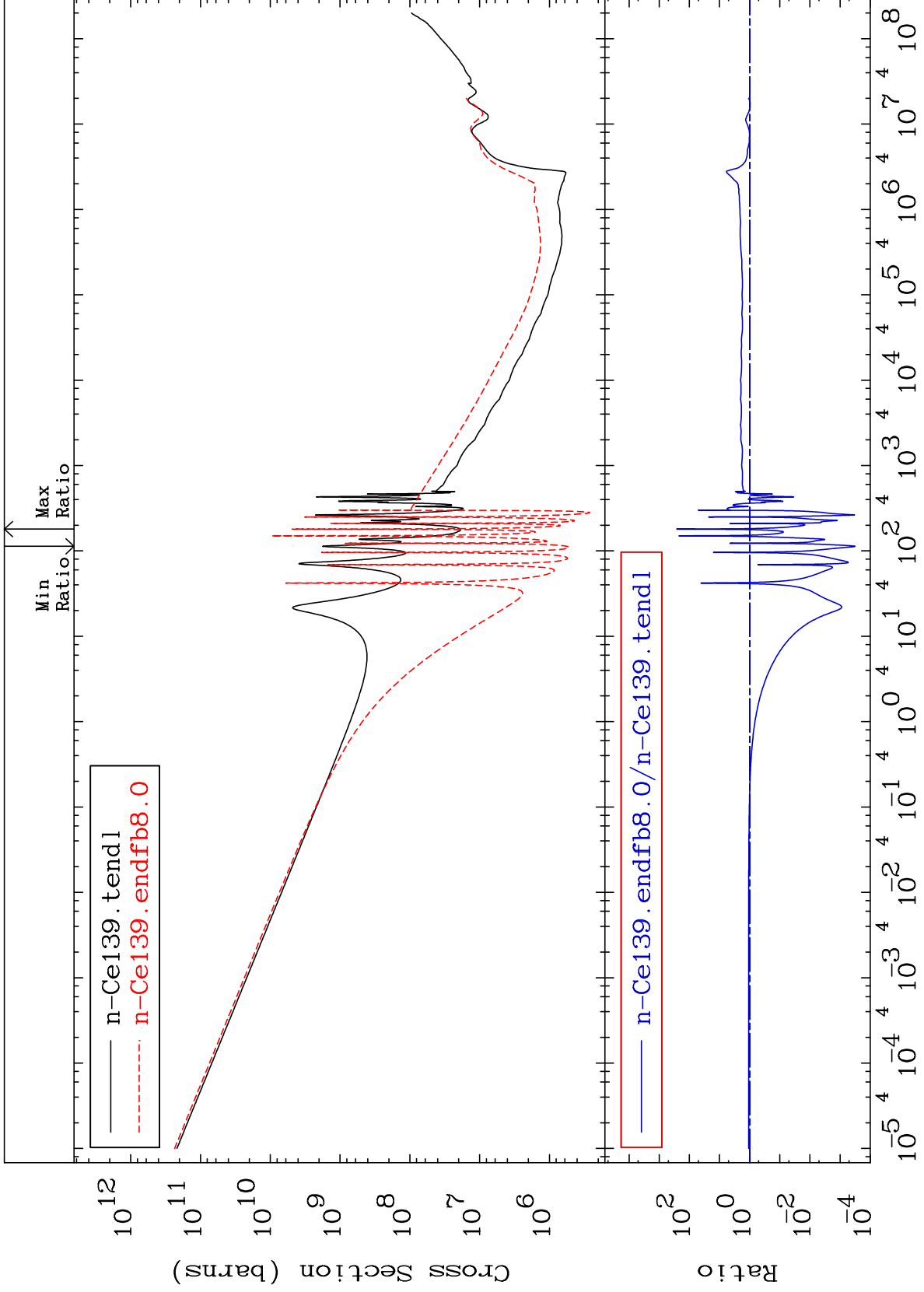
-99.97 To 9999. %



33

Incident Energy (eV)

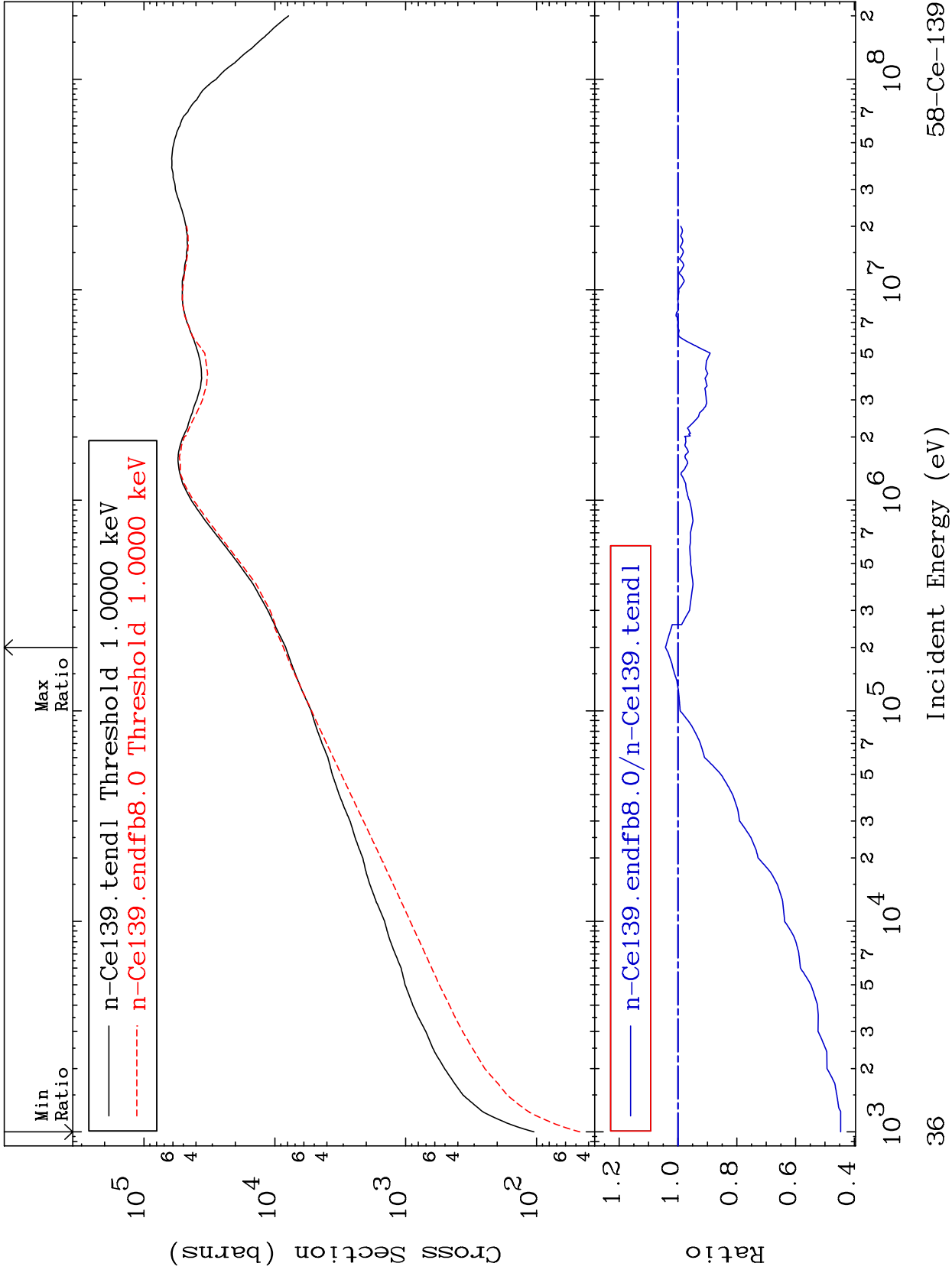
58-Ce-139



MAT 5834

Dpa elastic (mt2)
Cross Section

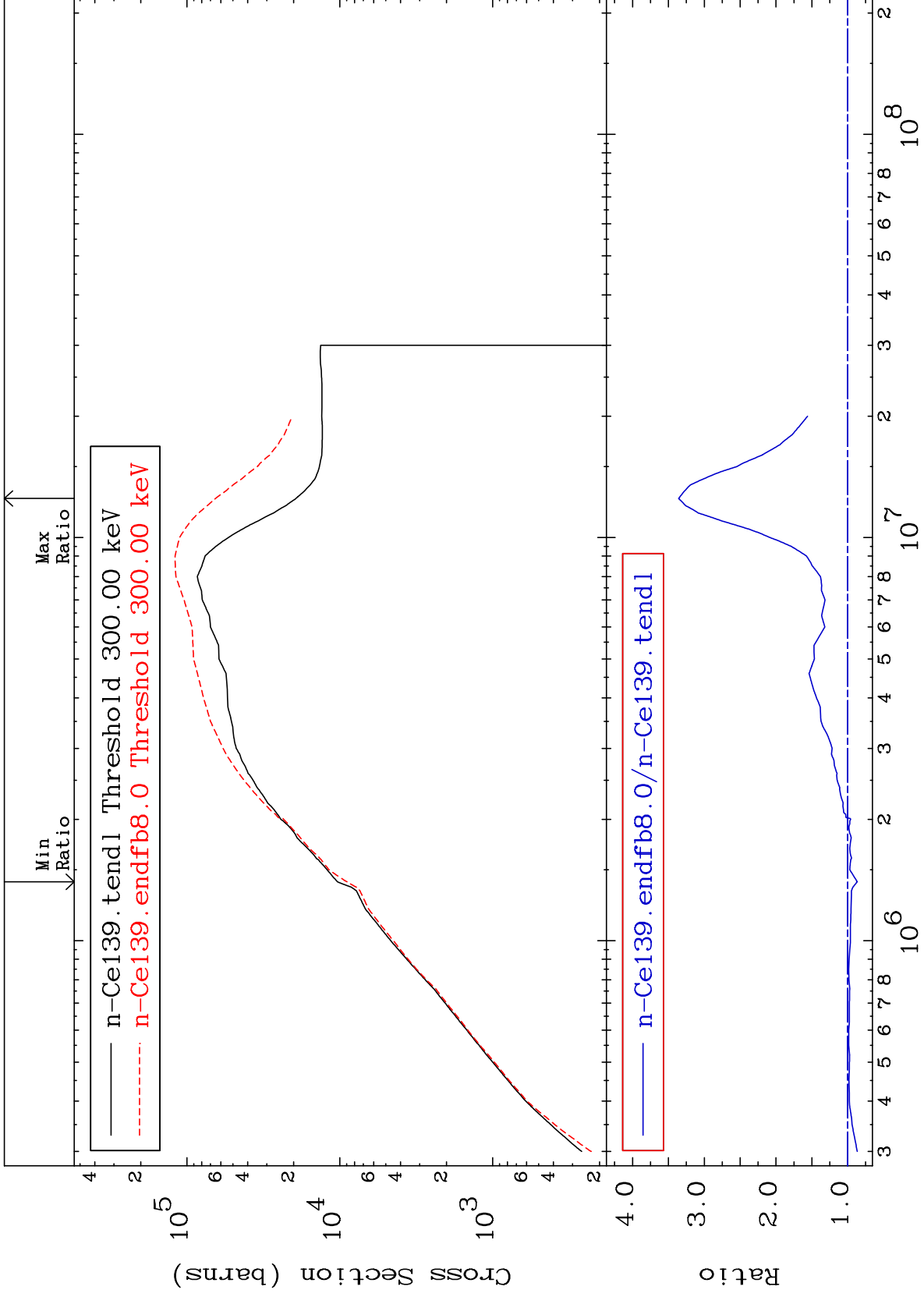
58-Ce-139
-55.33 To 4.243 %



MAT 5834

Dpa inelastic (mt51-91)
Cross Section

58-Ce-139
-13.28 To 235.8 %



37

Incident Energy (eV)

58-Ce-139

MAT 5834

Dpa disappearance (mt102 -120)
Cross Section

58-Ce-139
-99.94 To 9999. %

