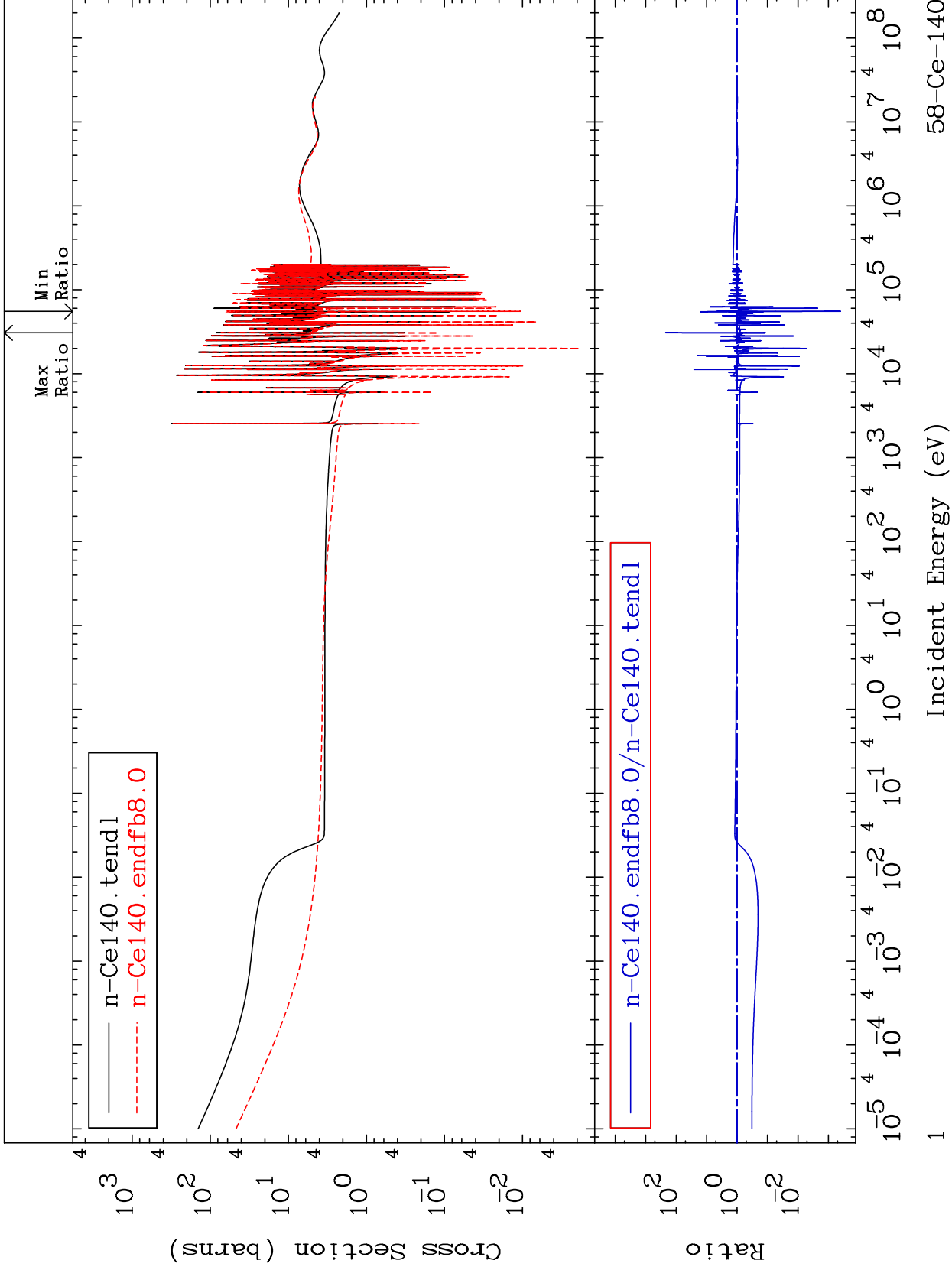


MAT 5837

Total
Cross Section

58-Ce-140
-99.96 To 9999. %



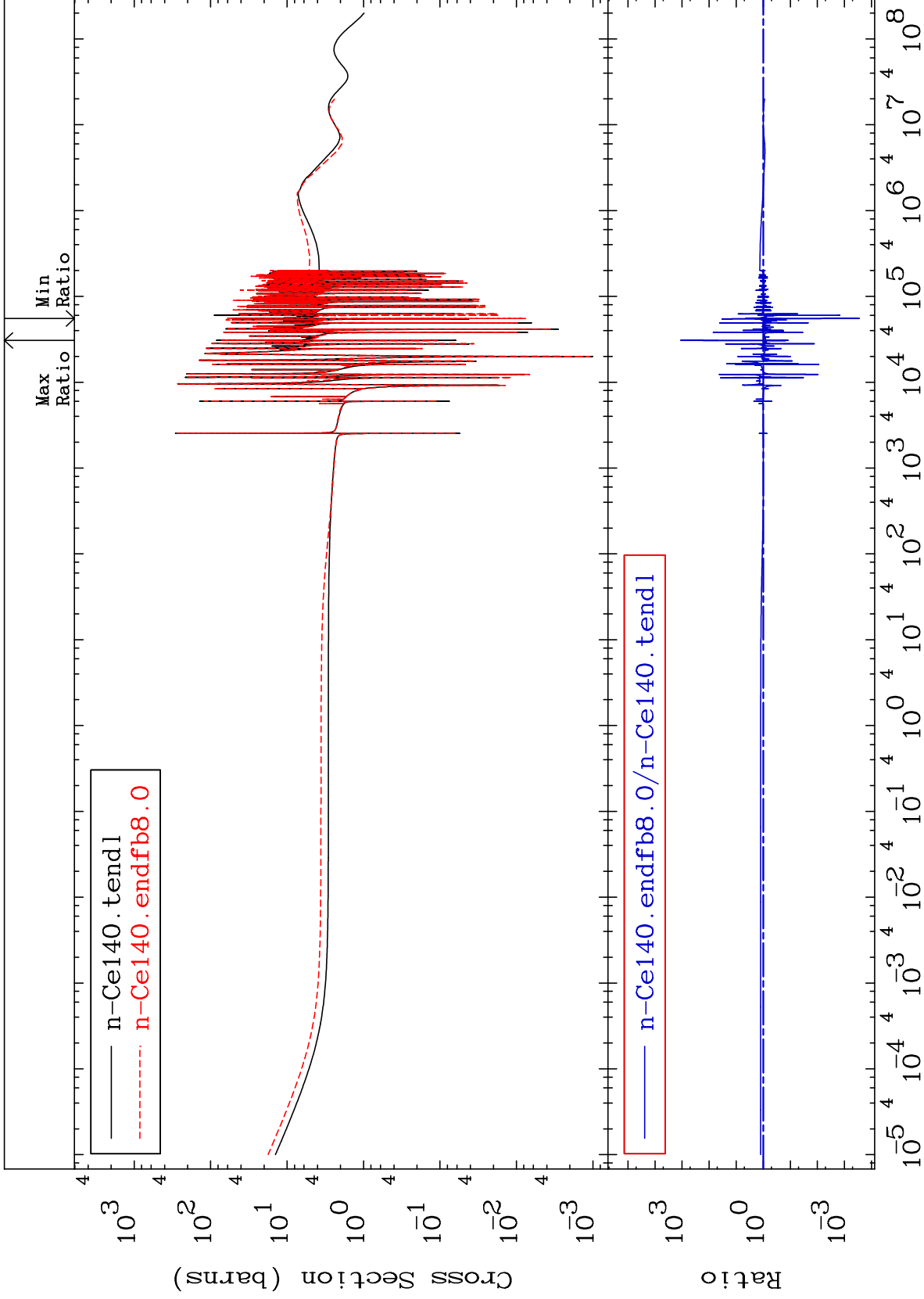
58-Ce-140

Incident Energy (eV)

MAT 5837

Elastic
Cross Section

58-Ce-140
-99.97 To 9999. %



Incident Energy (eV)

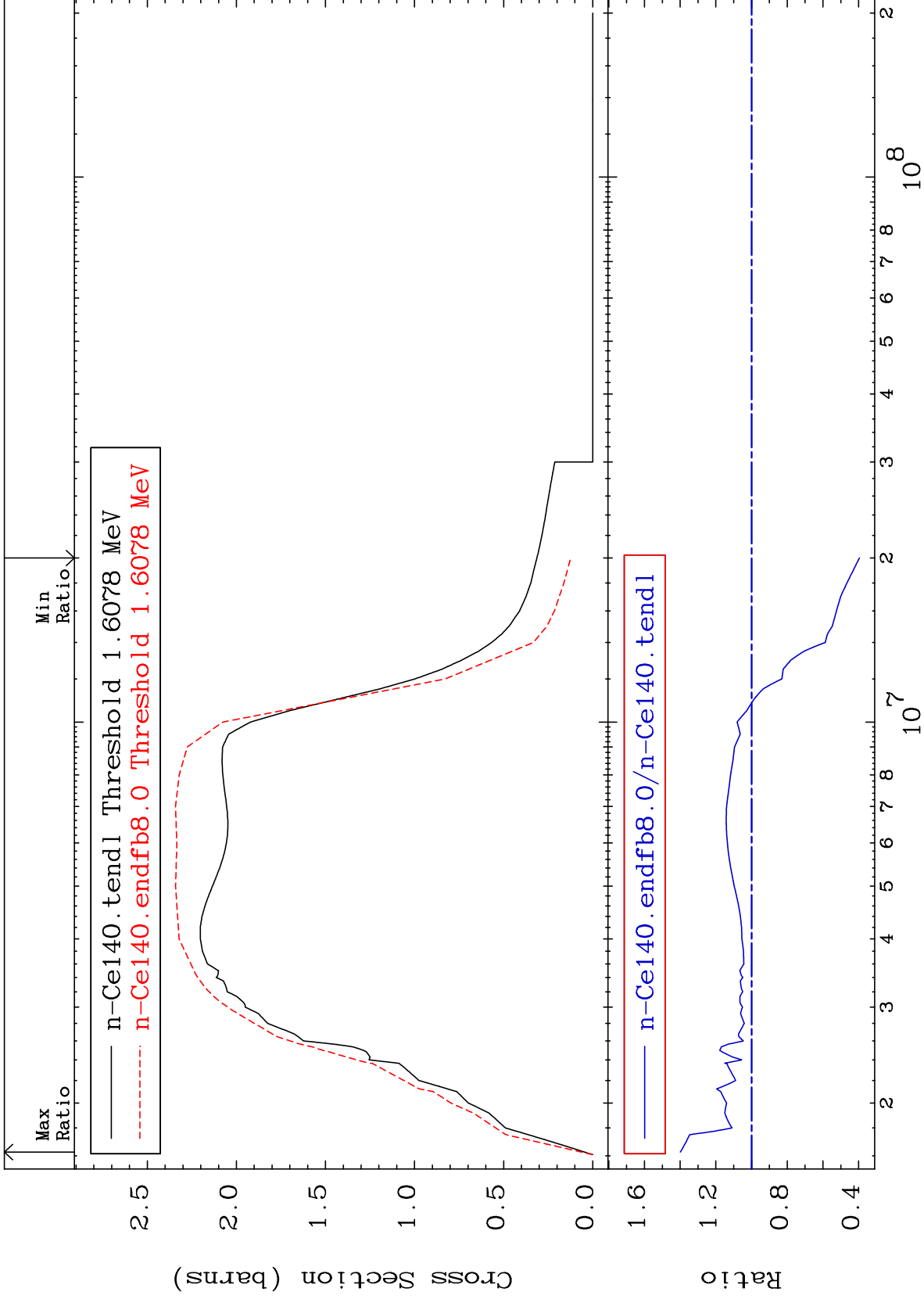
58-Ce-140

2

MAT 5837

Inelastic
Cross Section

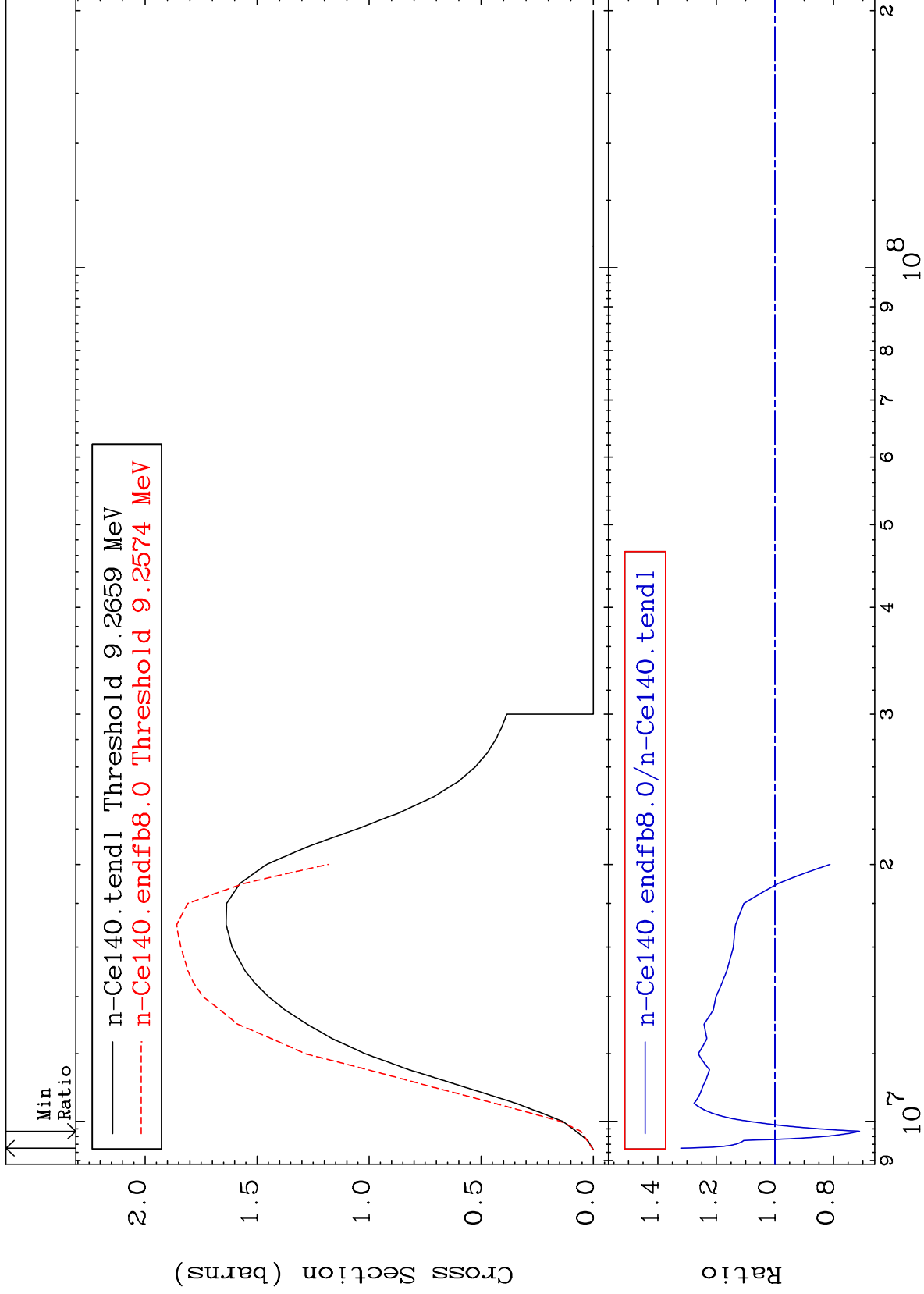
58-Ce-140
-60.43 To 39.88 %



MAT 5837

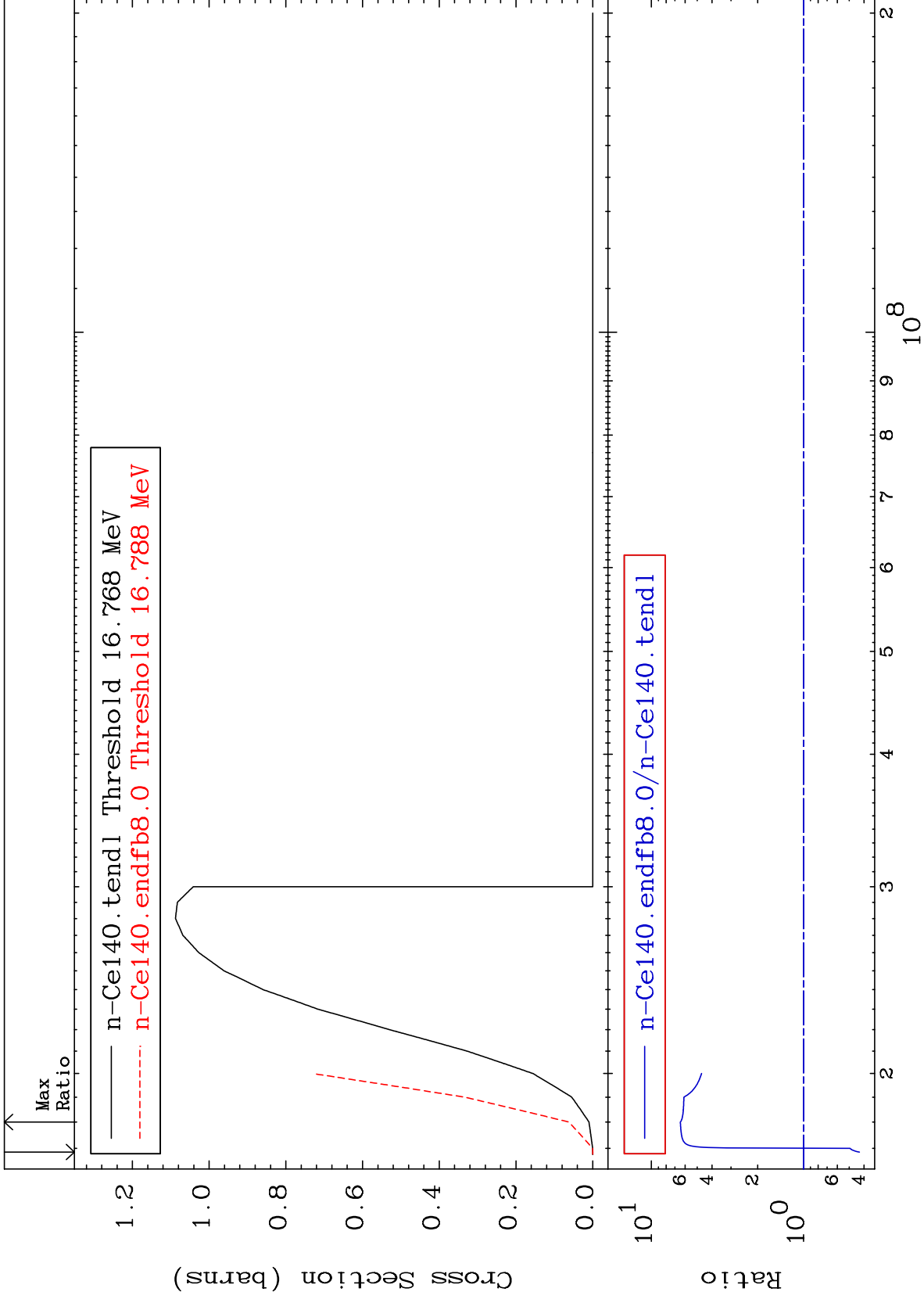
(n,2n)
Cross Section

58-Ce-140
-28.89 To 32.15 %



58-Ce-140

Incident Energy (eV)



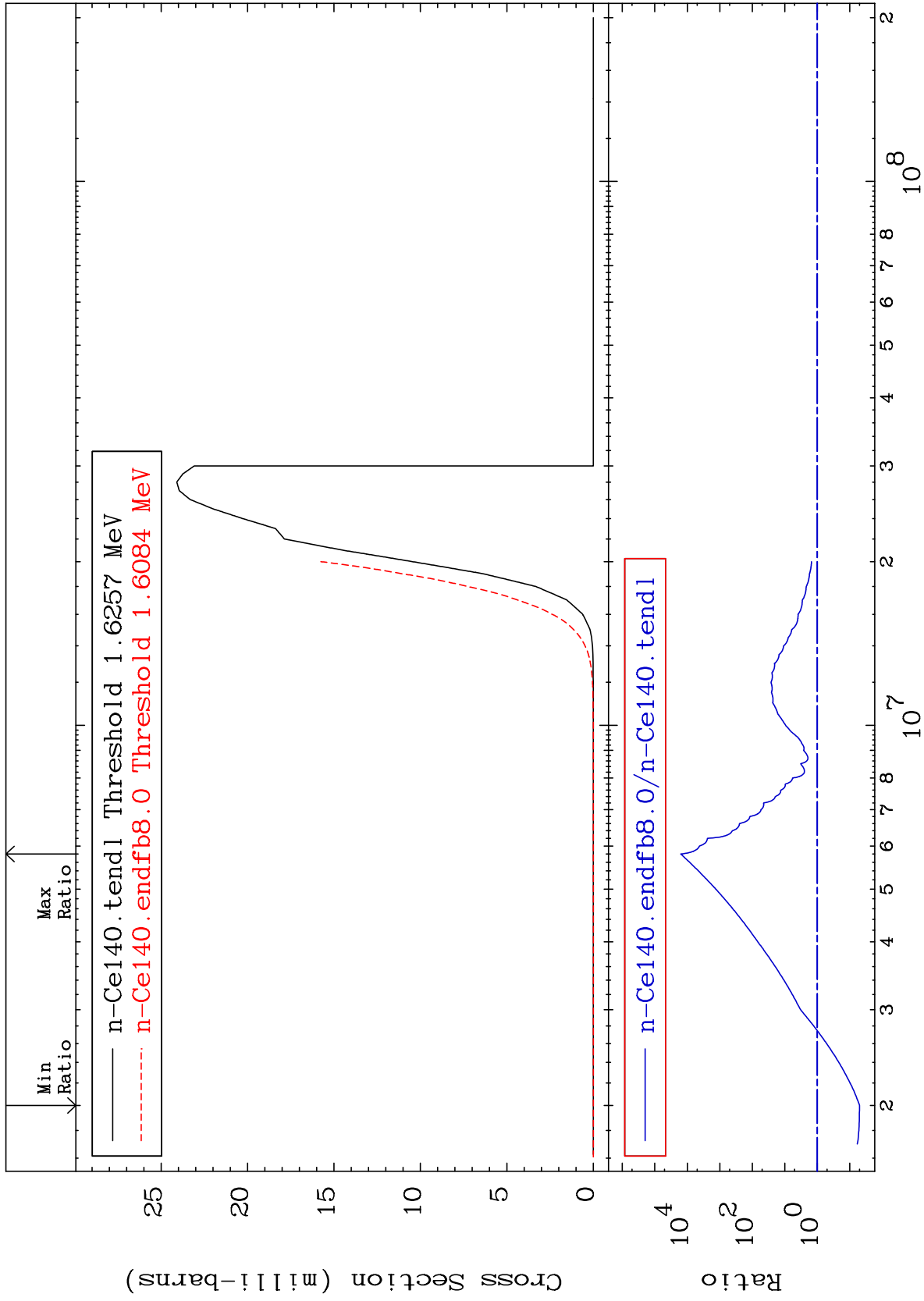
MAT 5837

(n,n') α

58-Ce-140

Cross Section

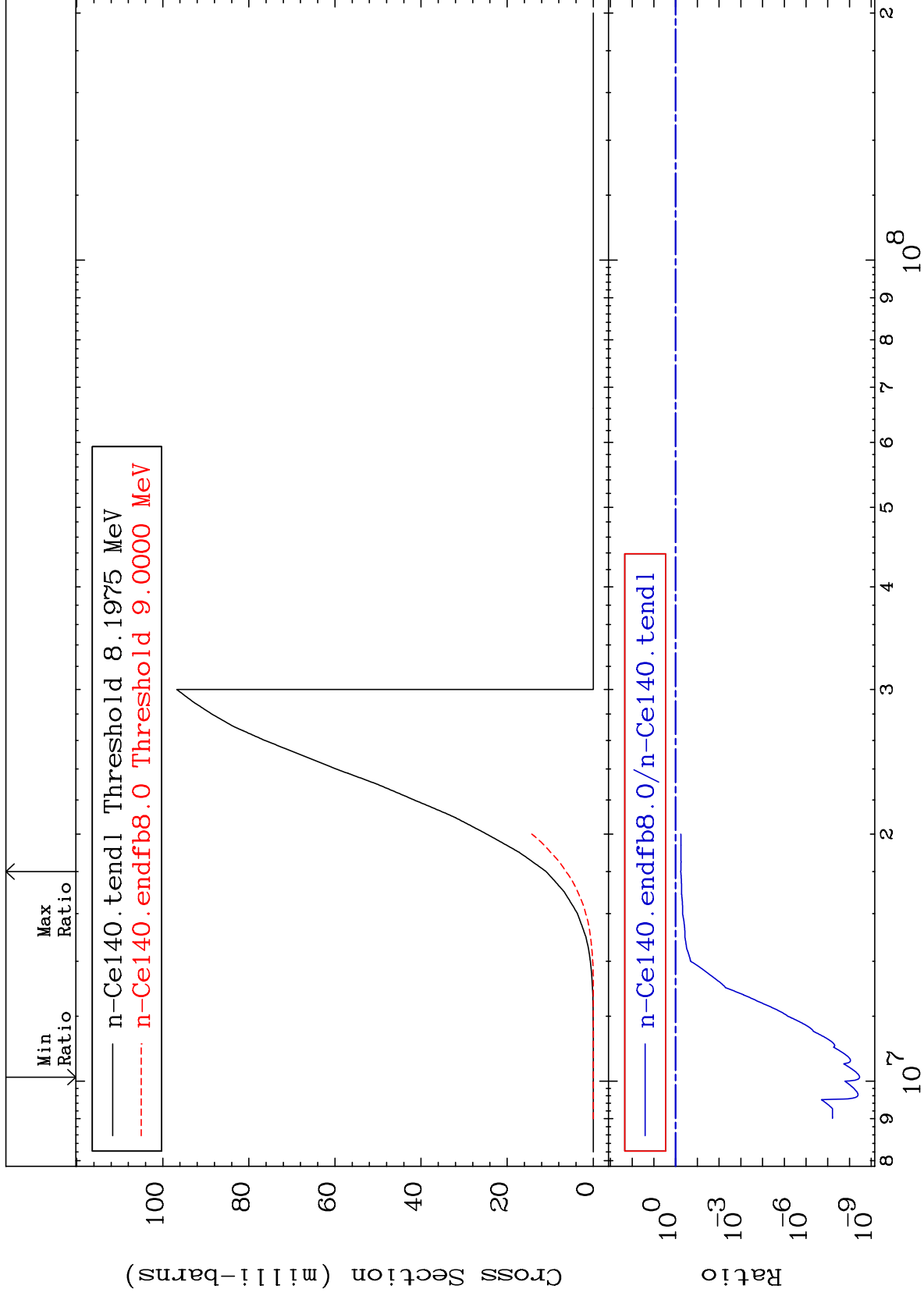
-95.00 To 9999. %



MAT 5837

(n,n') p
Cross Section

58-Ce-140
-100.0 To -42.11%



7

Incident Energy (eV)

58-Ce-140

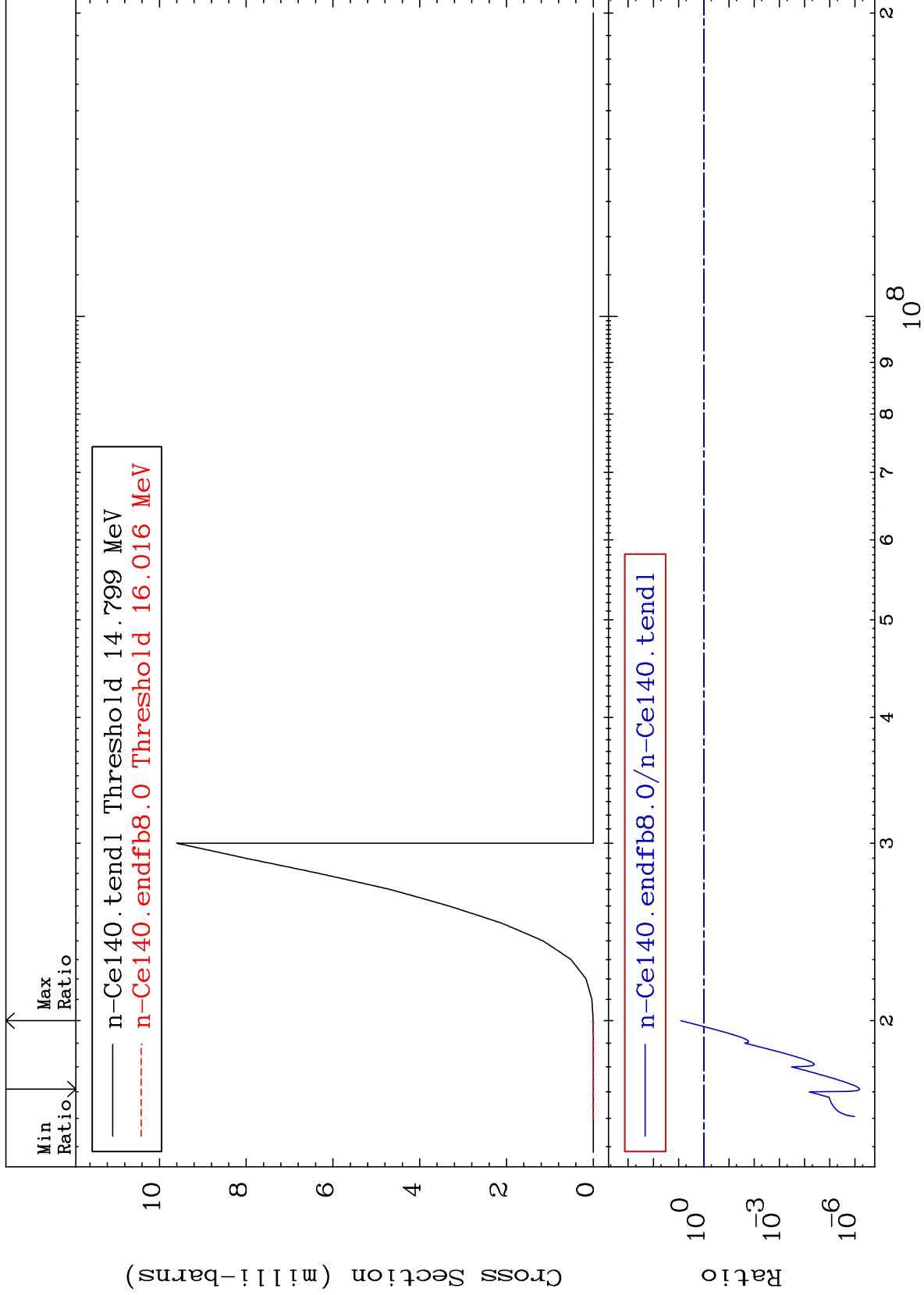
MAT 5837

(n,n') d

58-Ce-140

Cross Section

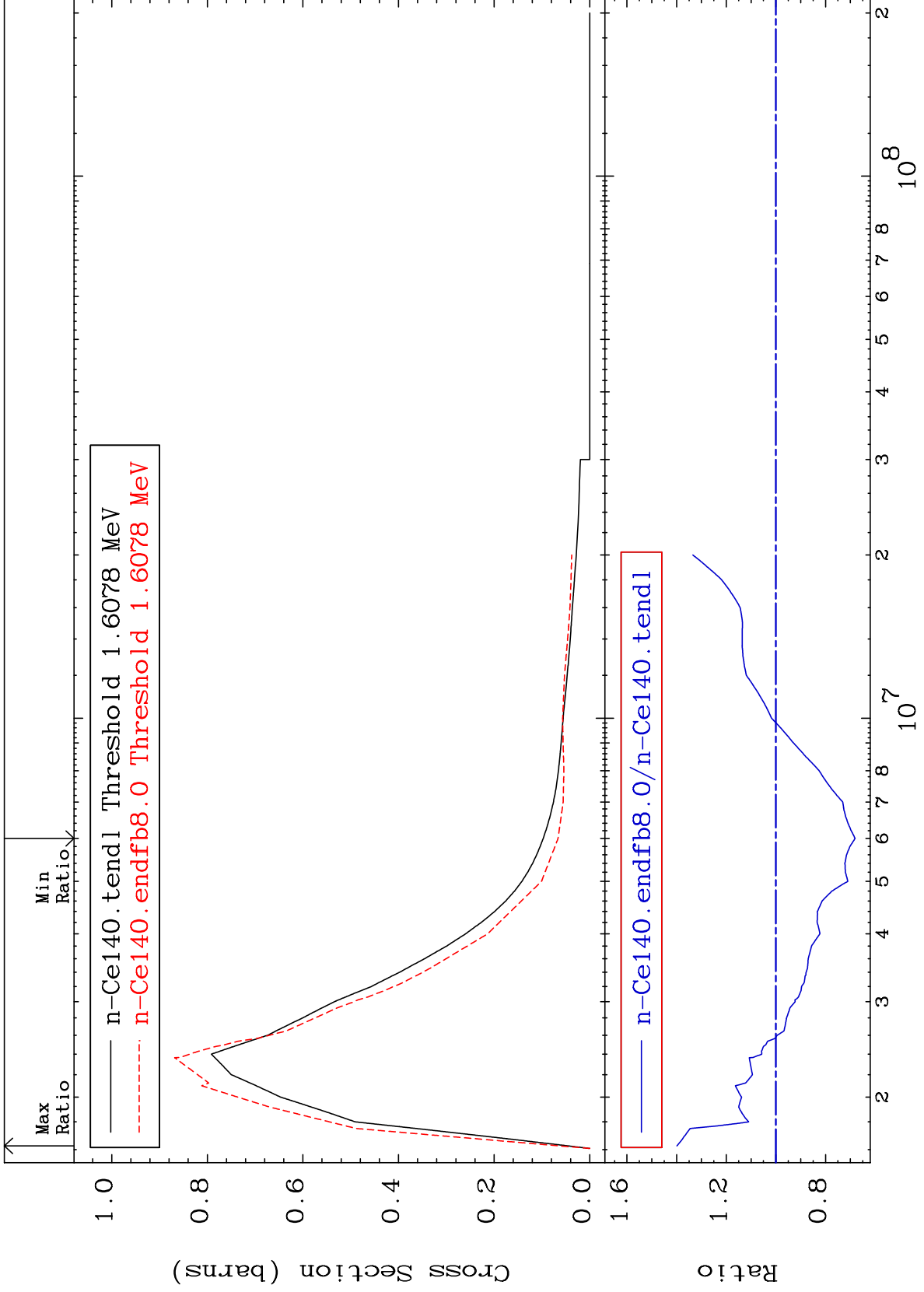
-100.0 To 718.1 %



MAT 5837

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

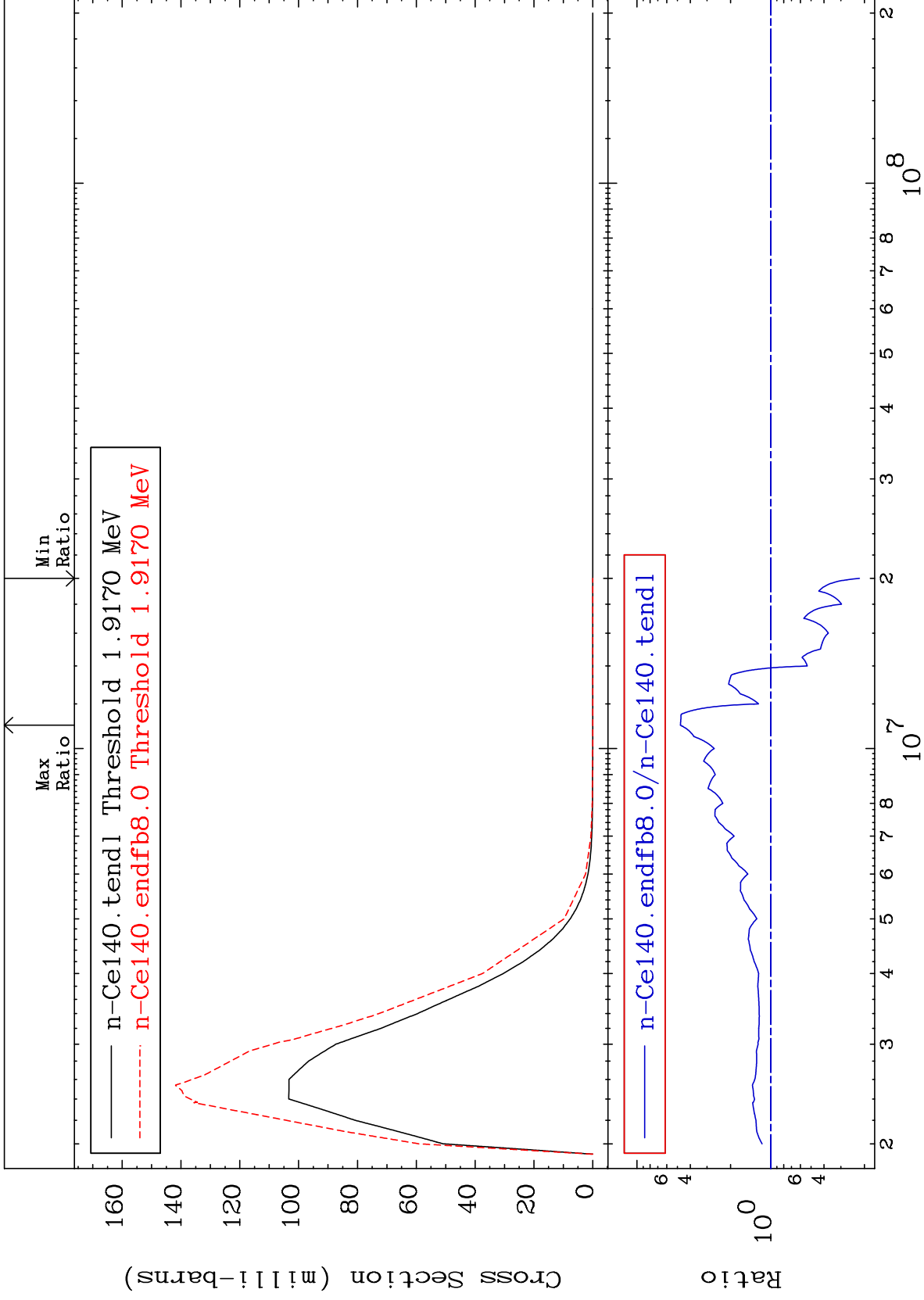
58-Ce-140
-31.91 To 39.88 %



MAT 5837

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

58-Ce-140
-78.24 To 374.5 %



10

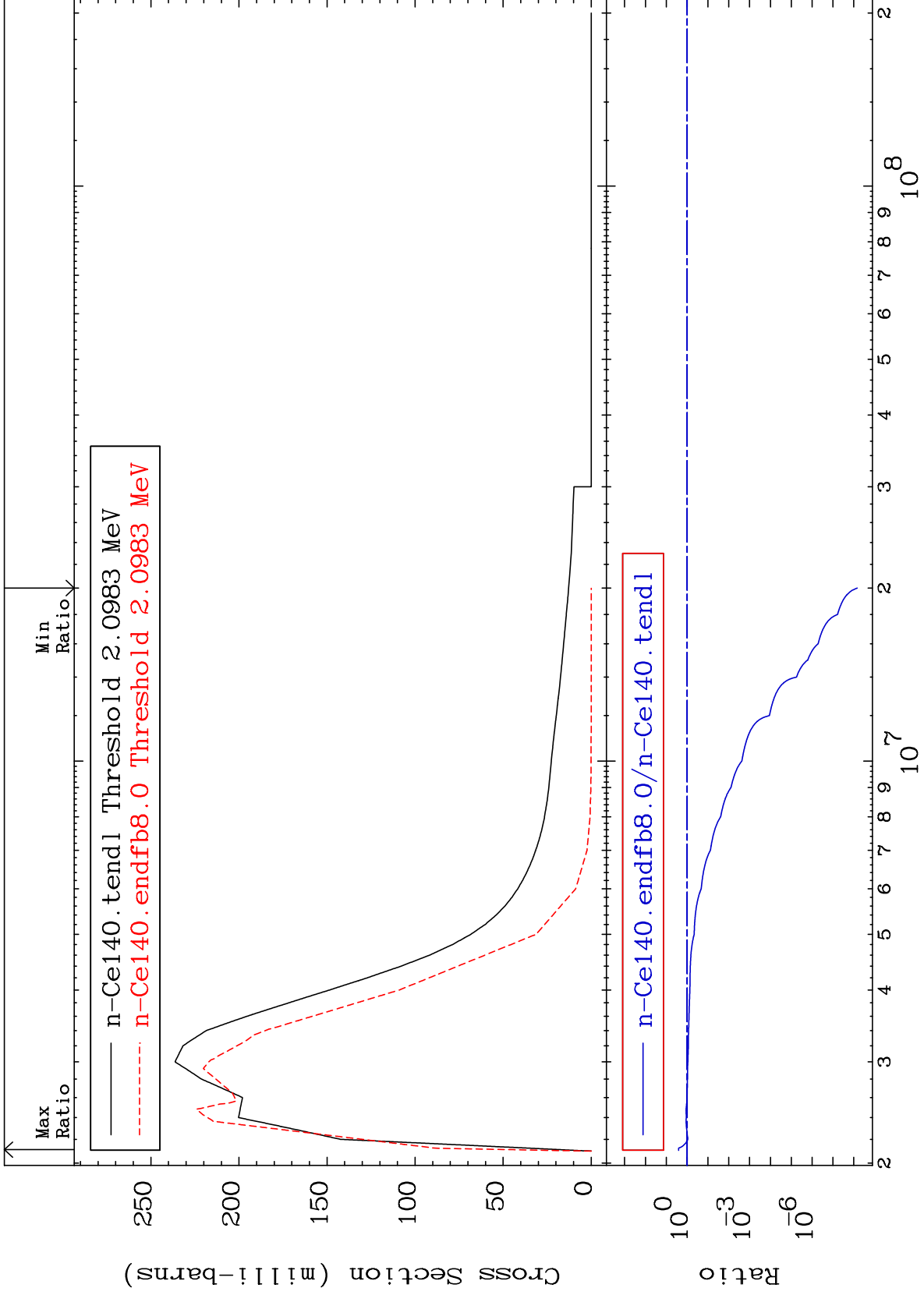
Incident Energy (eV)

58-Ce-140

MAT 5837

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

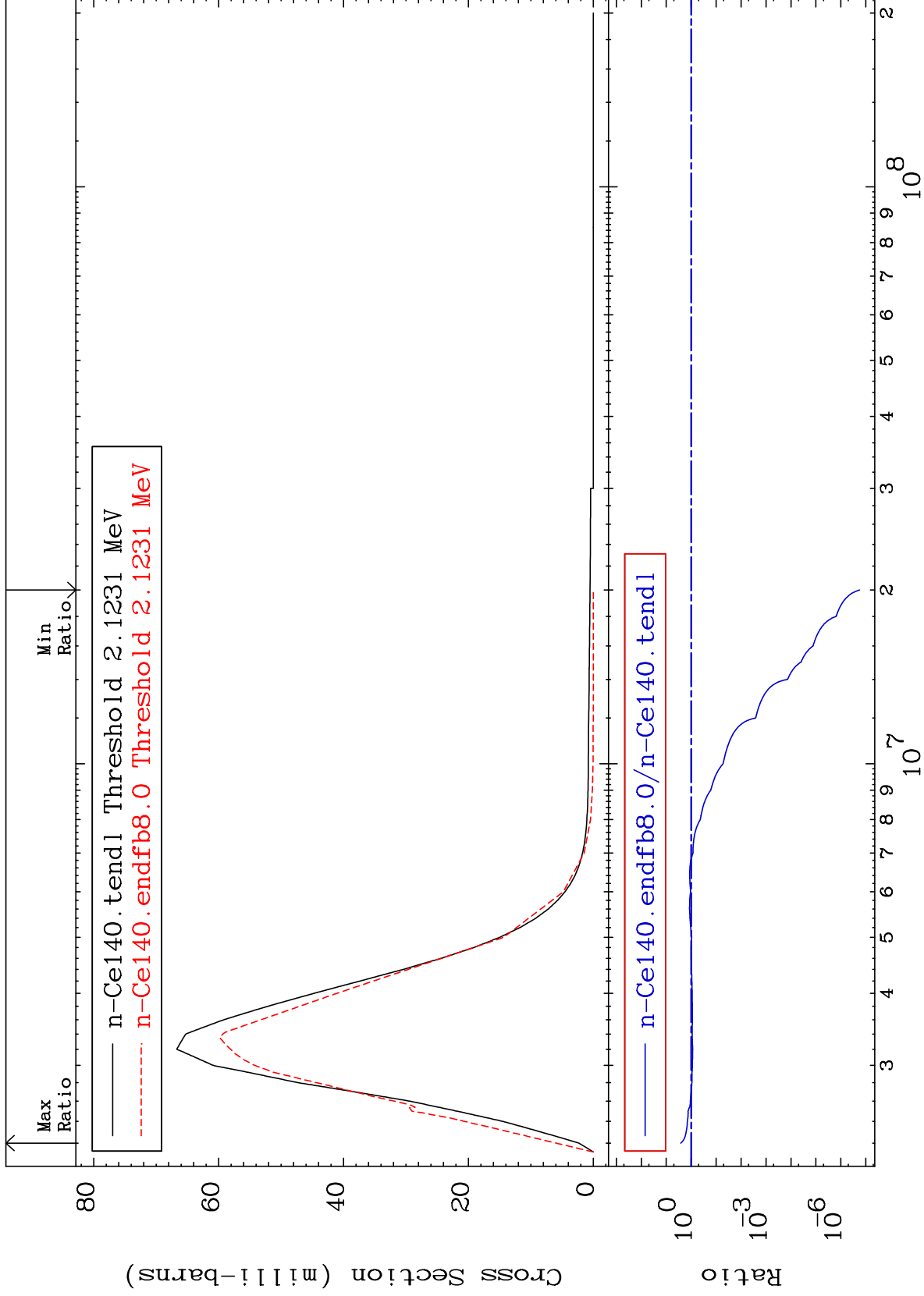
58-Ce-140
-100.0 To 154.6 %



MAT 5837

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

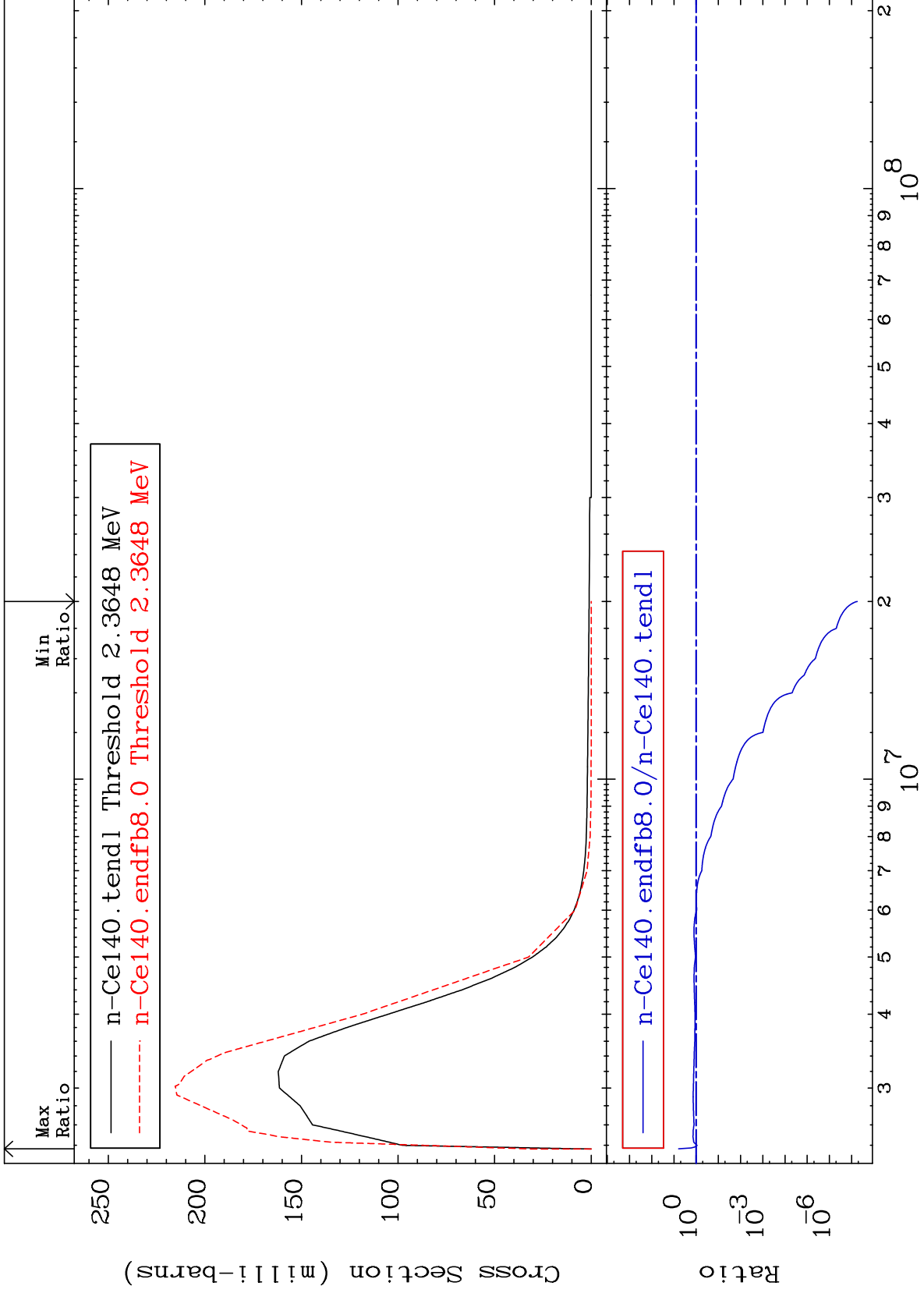
58-Ce-140
-100.0 To 161.9 %



MAT 5837

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

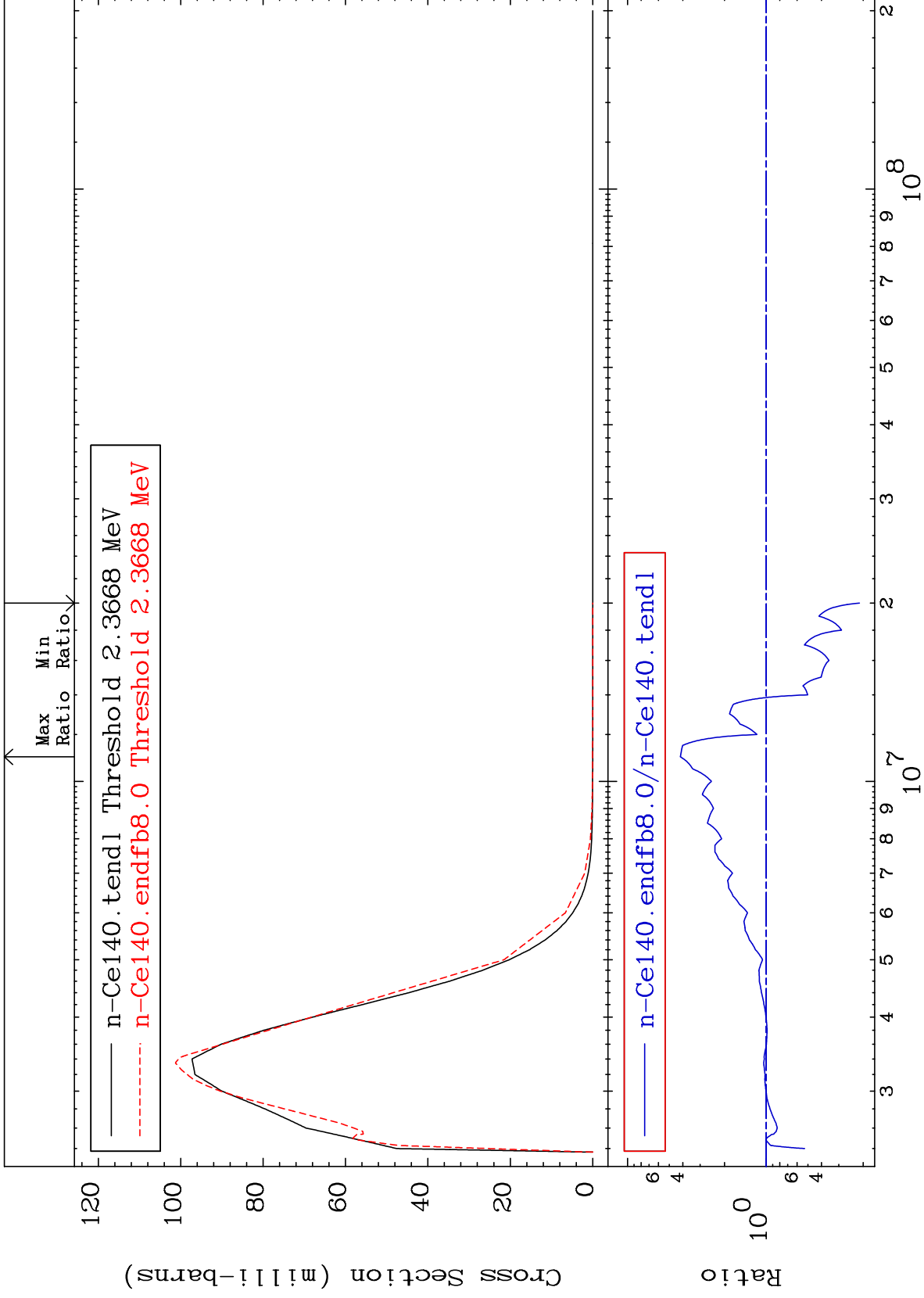
58-Ce-140
-100.0 To 512.8 %



MAT 5837

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

58-Ce-140
-78.71 To 316.5 %



14

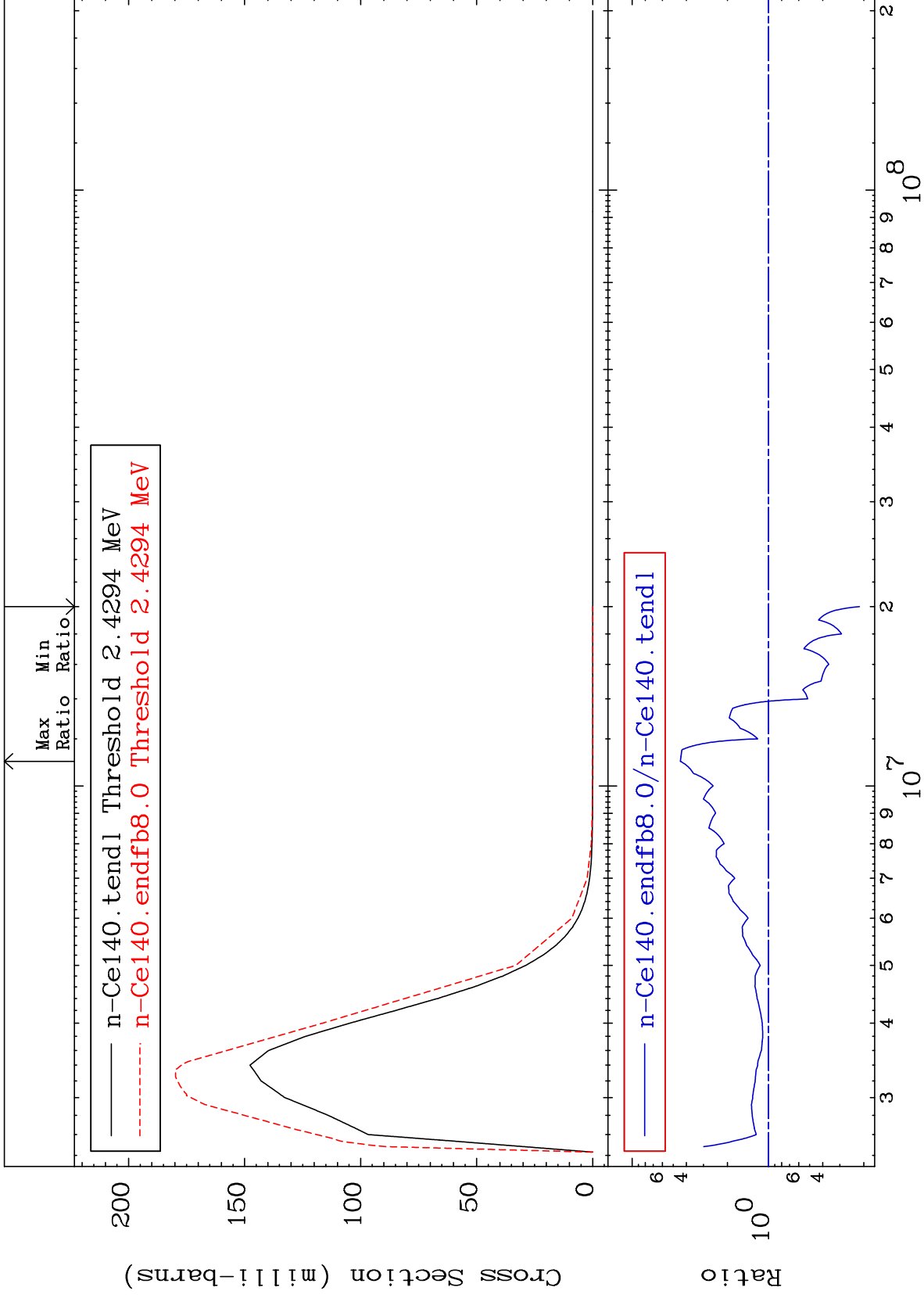
Incident Energy (eV)

58-Ce-140

MAT 5837

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

58-Ce-140
-78.46 To 342.8 %



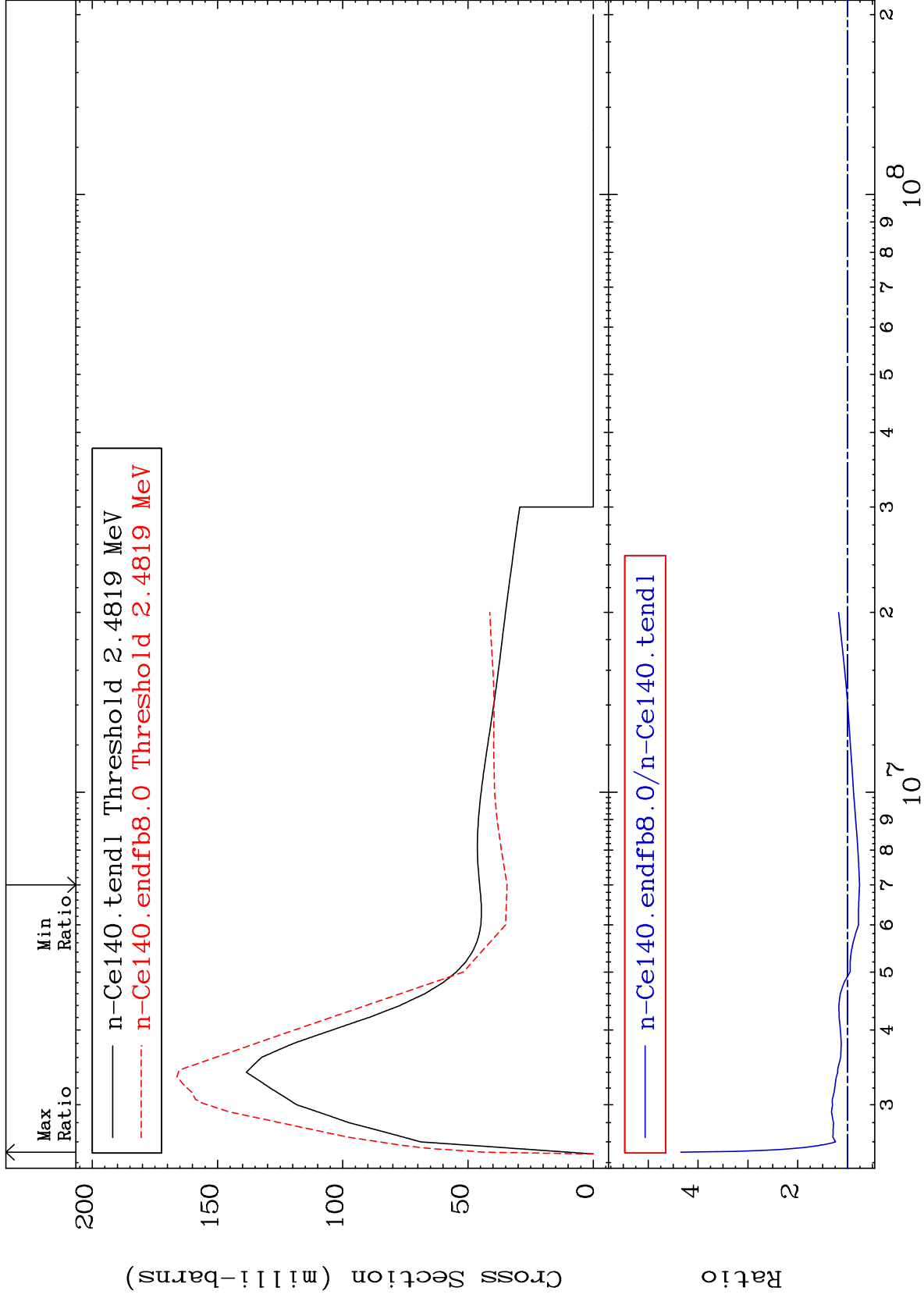
15

58-Ce-140

MAT 5837

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

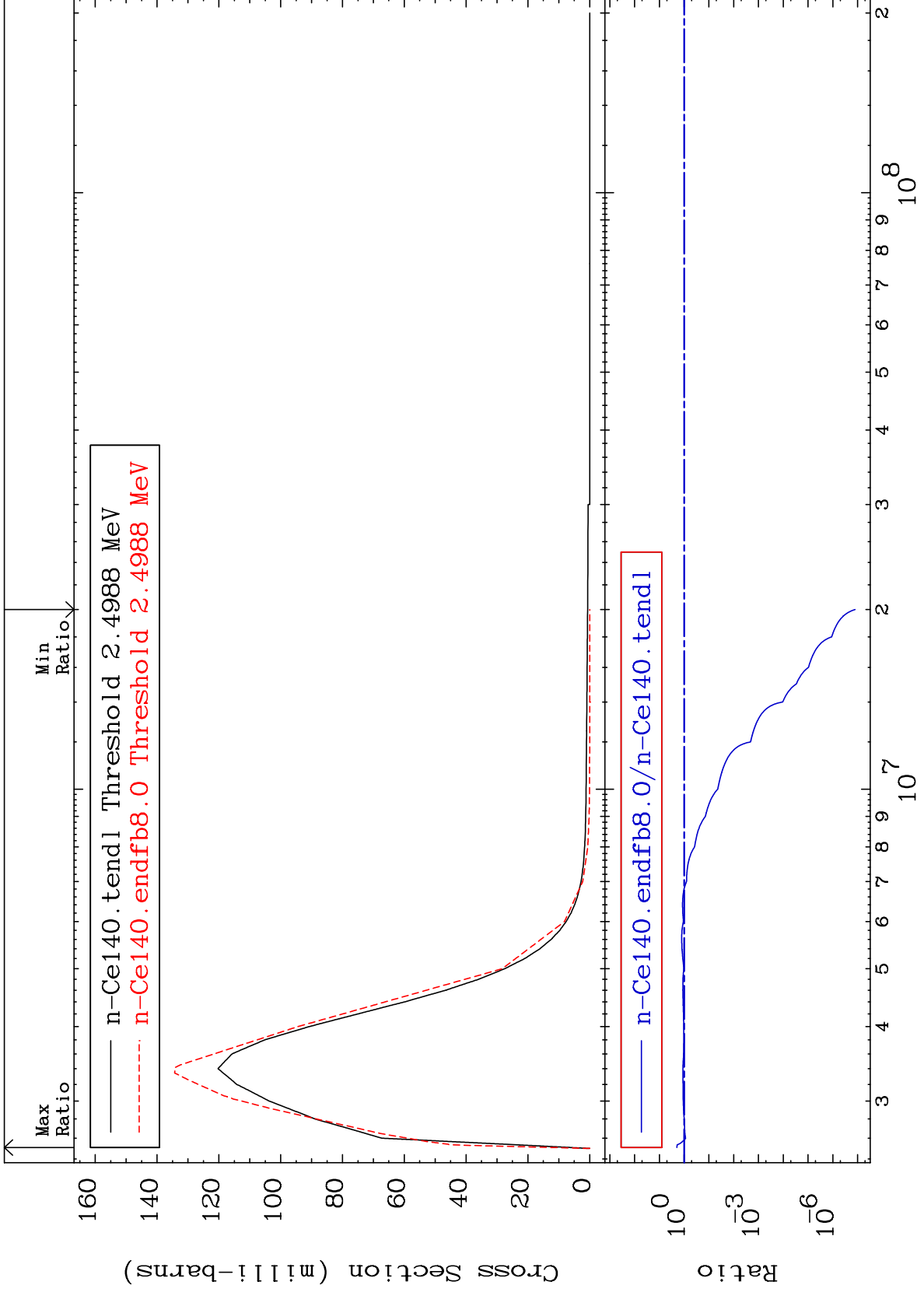
58-Ce-140
-24.10 To 334.7 %



MAT 5837

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

58-Ce-140
-100.0 To 95.55 %



17

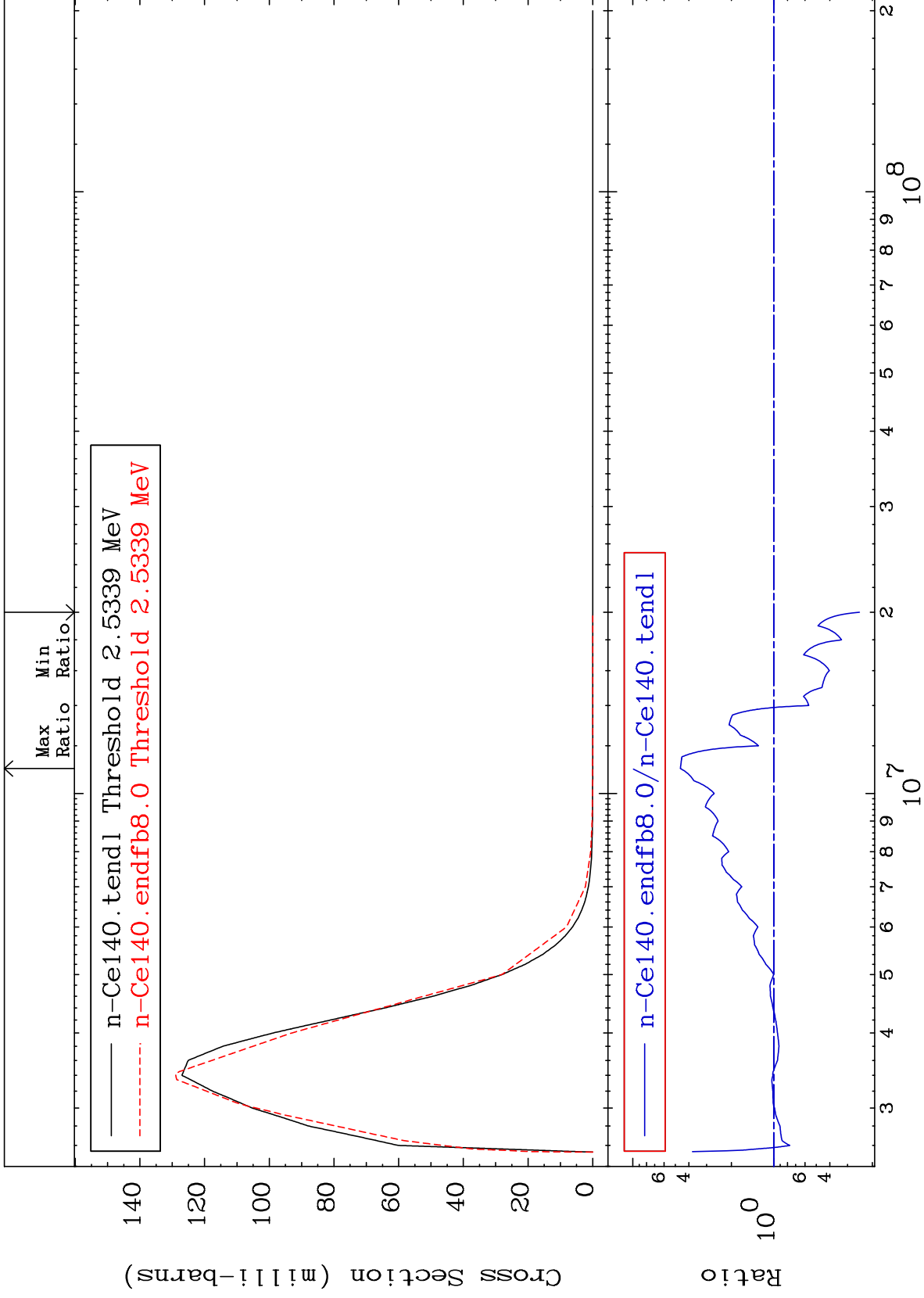
Incident Energy (eV)

58-Ce-140

MAT 5837

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

58-Ce-140
-75.32 To 360.3 %



18

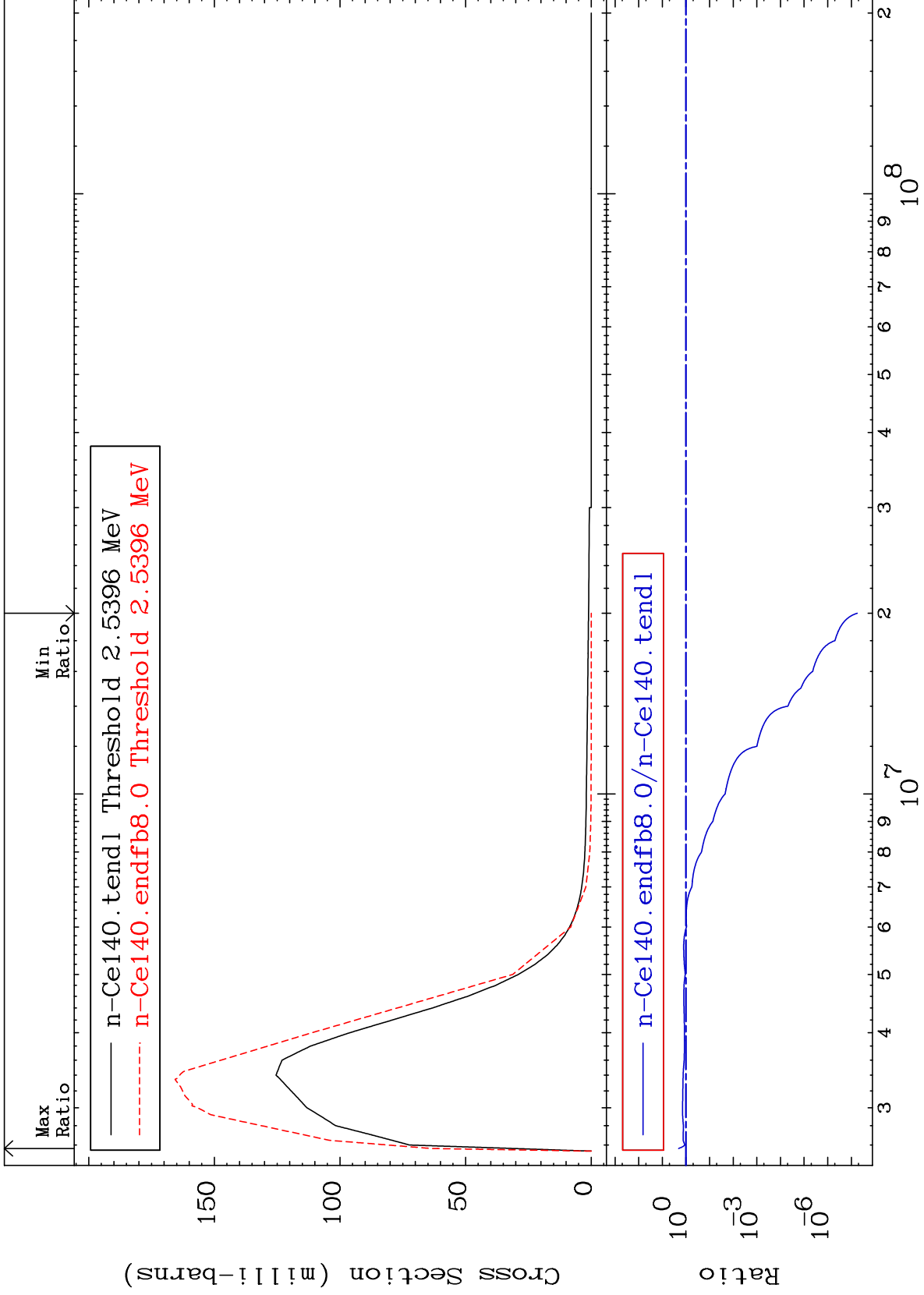
58-Ce-140

58-Ce-140

MAT 5837

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

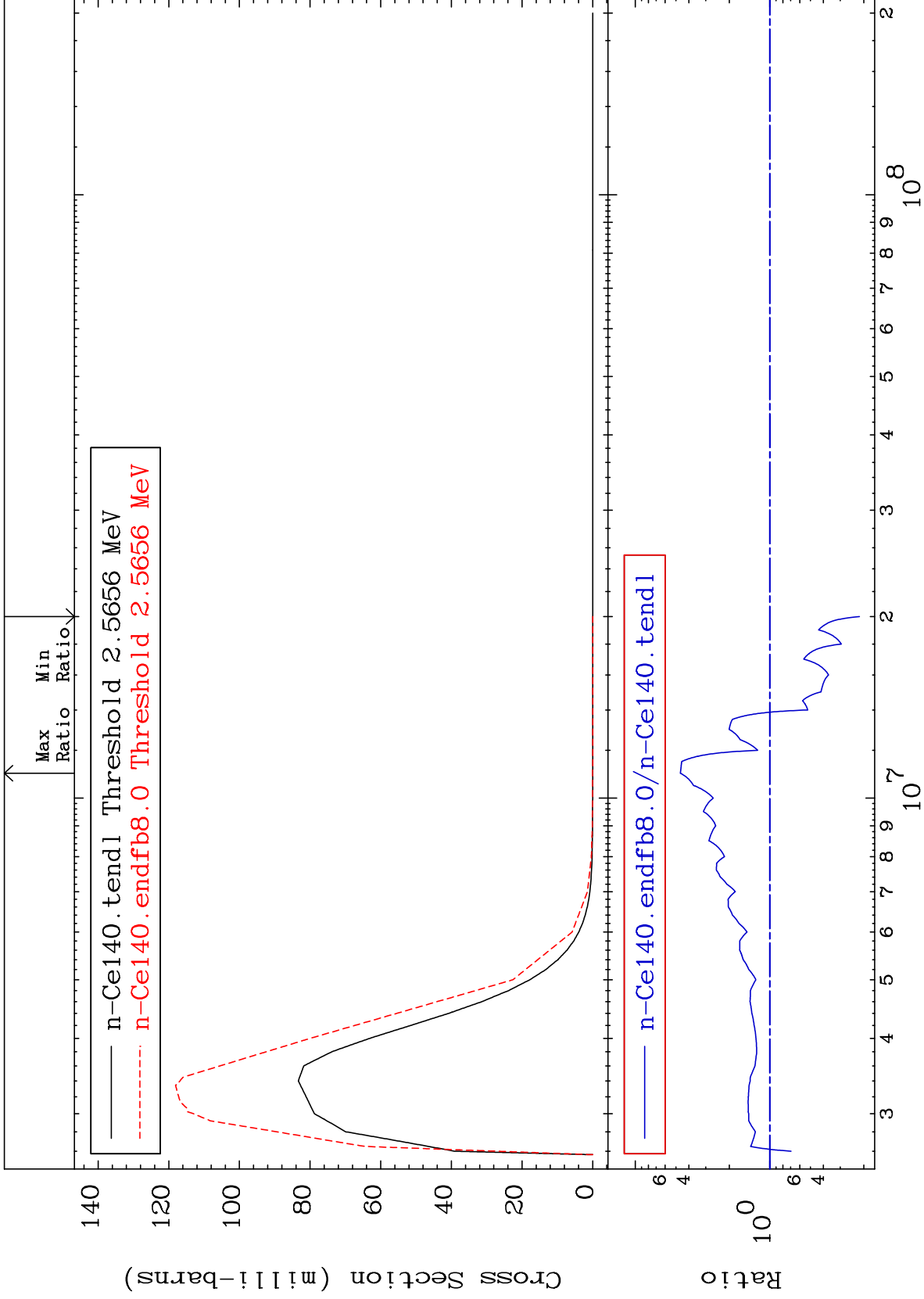
58-Ce-140
-100.0 To 104.4 %



MAT 5837

MT= 62 (n, n') Level
Cross Section

58-Ce-140
-78.42 To 362.8 %



20

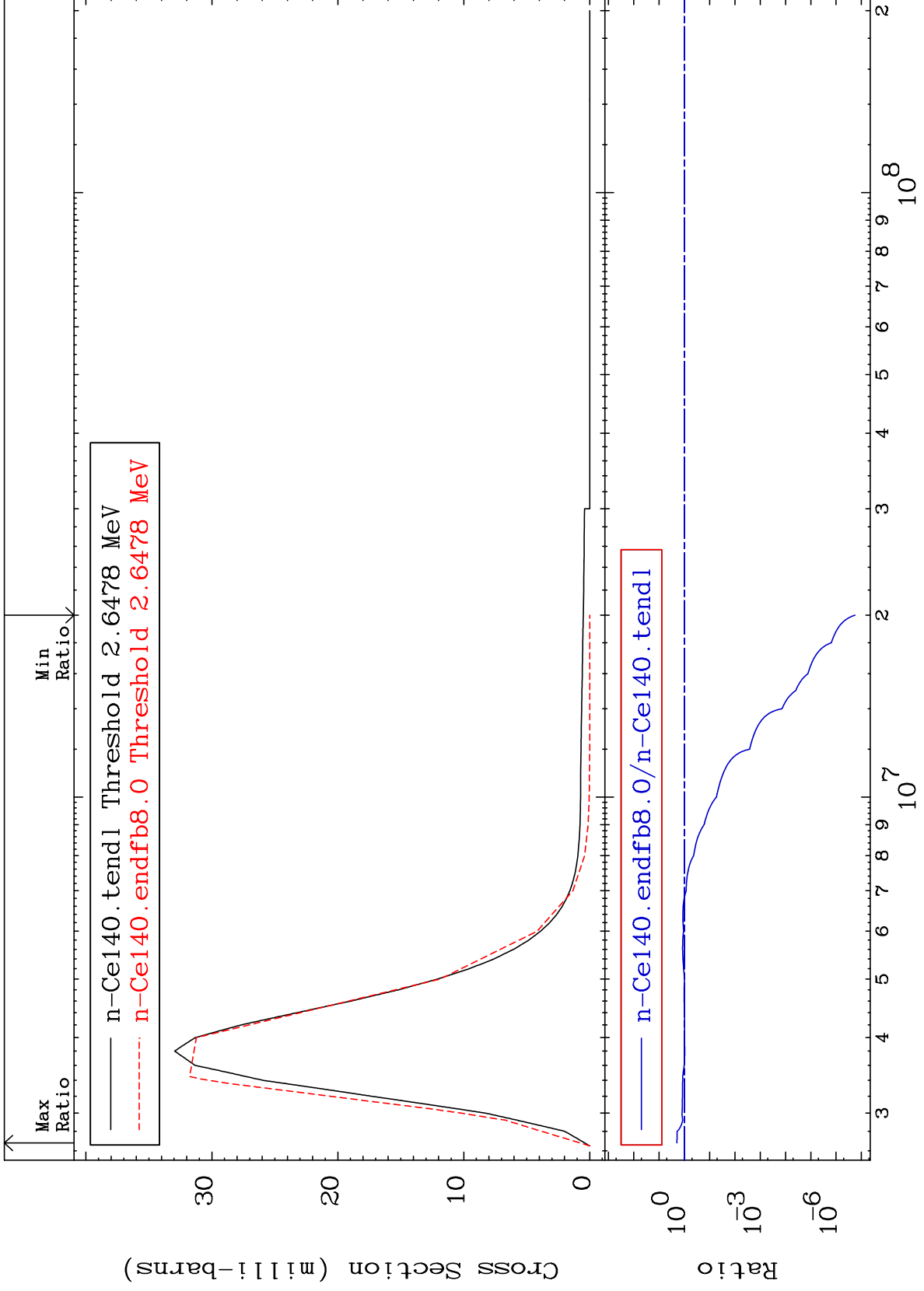
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 63 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 95.94 %



21

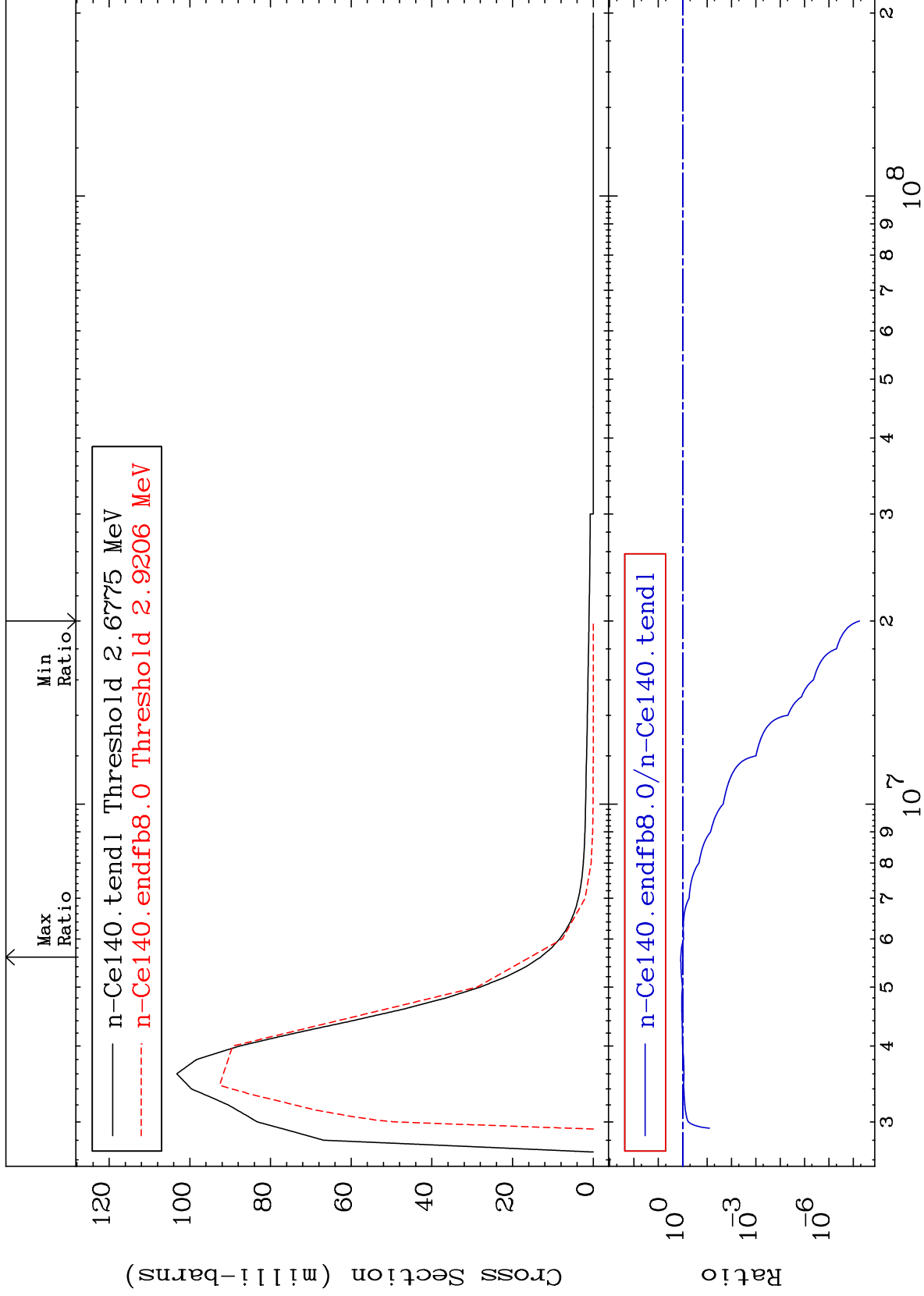
Incident Energy (eV)

58-Ce-140

MAT 5837

MT= 64 (n,n') Level
Cross Section

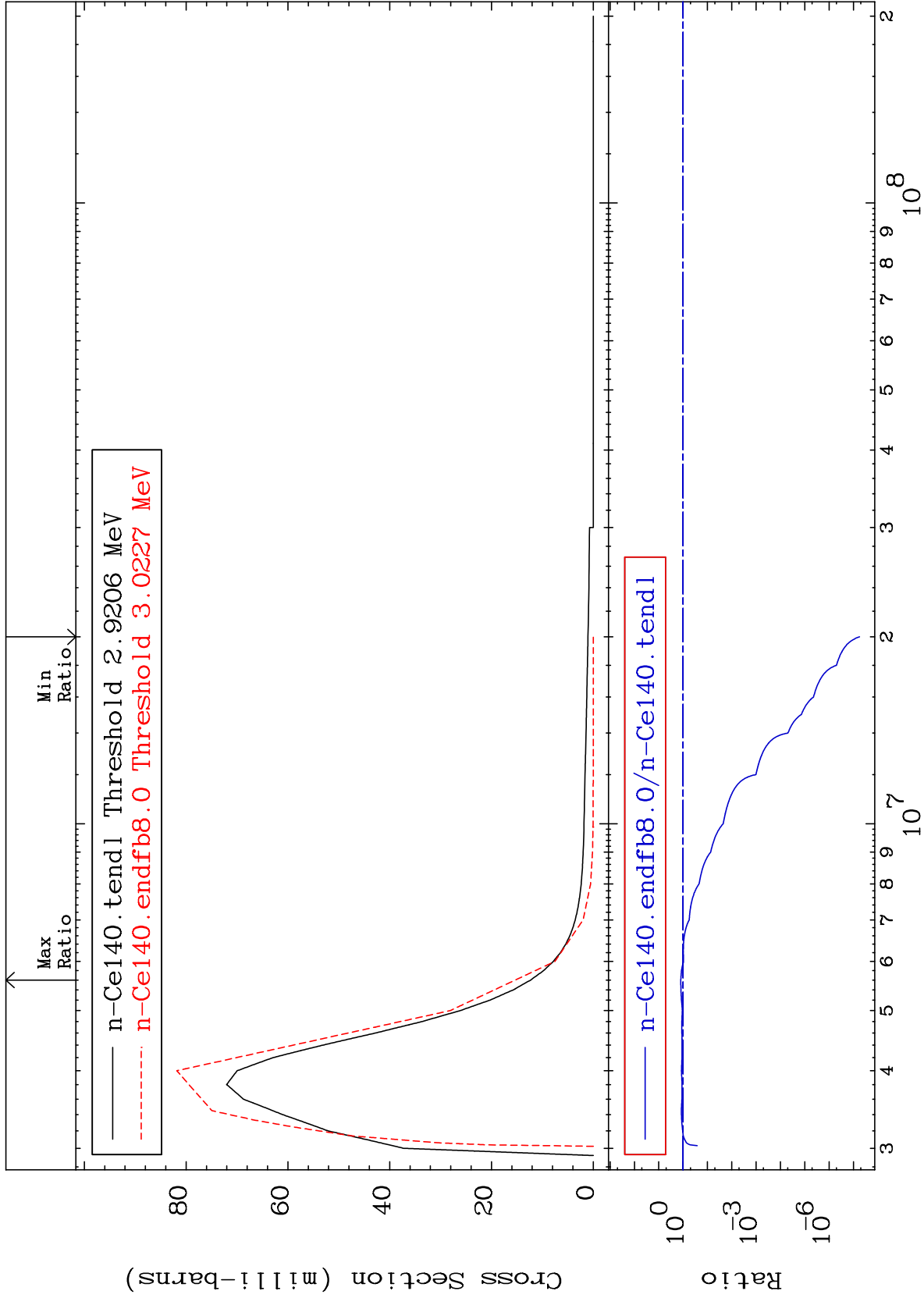
58-Ce-140
-100.0 To 20.06 %



MAT 5837

MT= 65 (n,n') Level
Cross Section

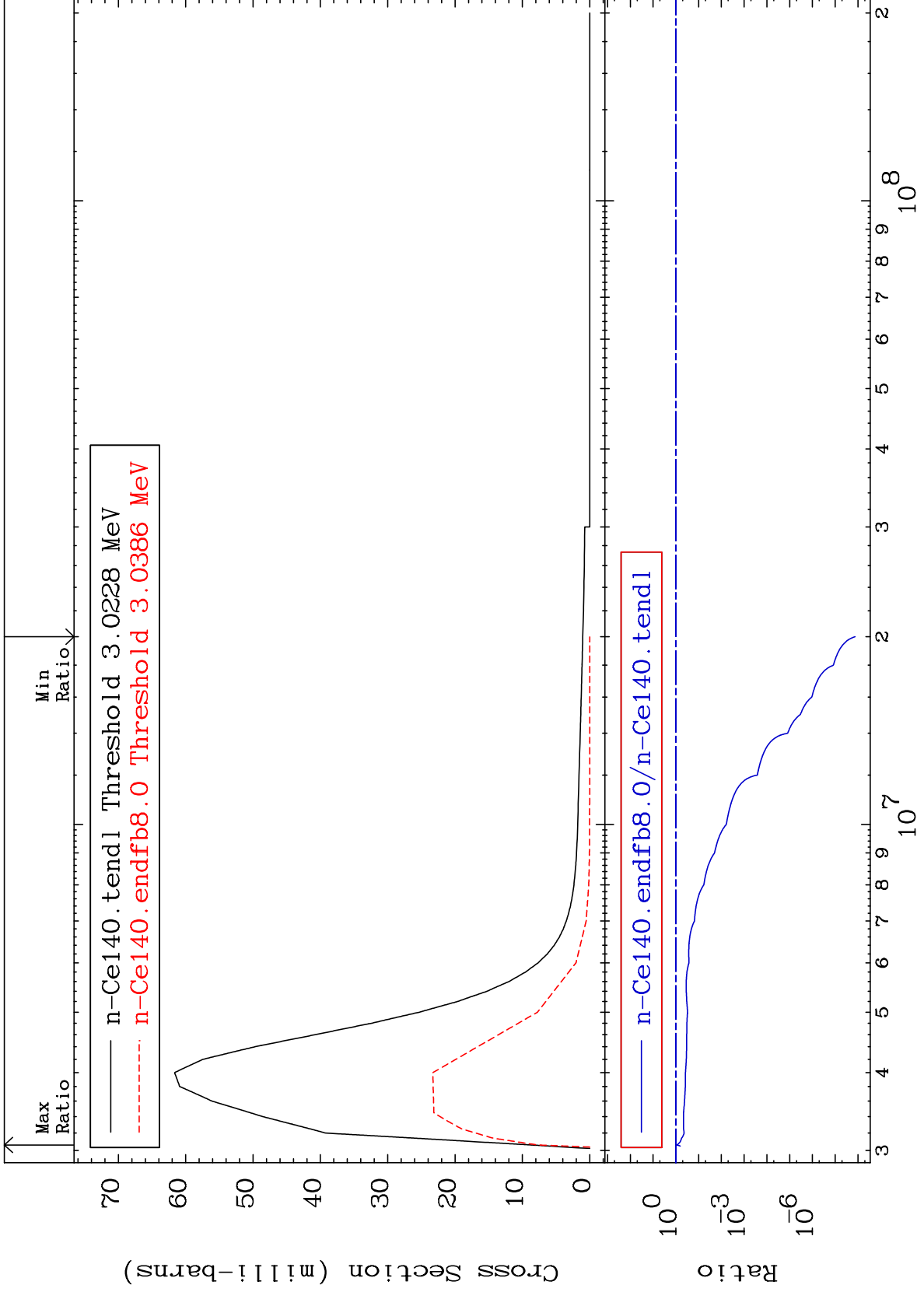
58-Ce-140
-100.0 To 24.64 %



MAT 5837

MT= 66 (n,n') Level
Cross Section

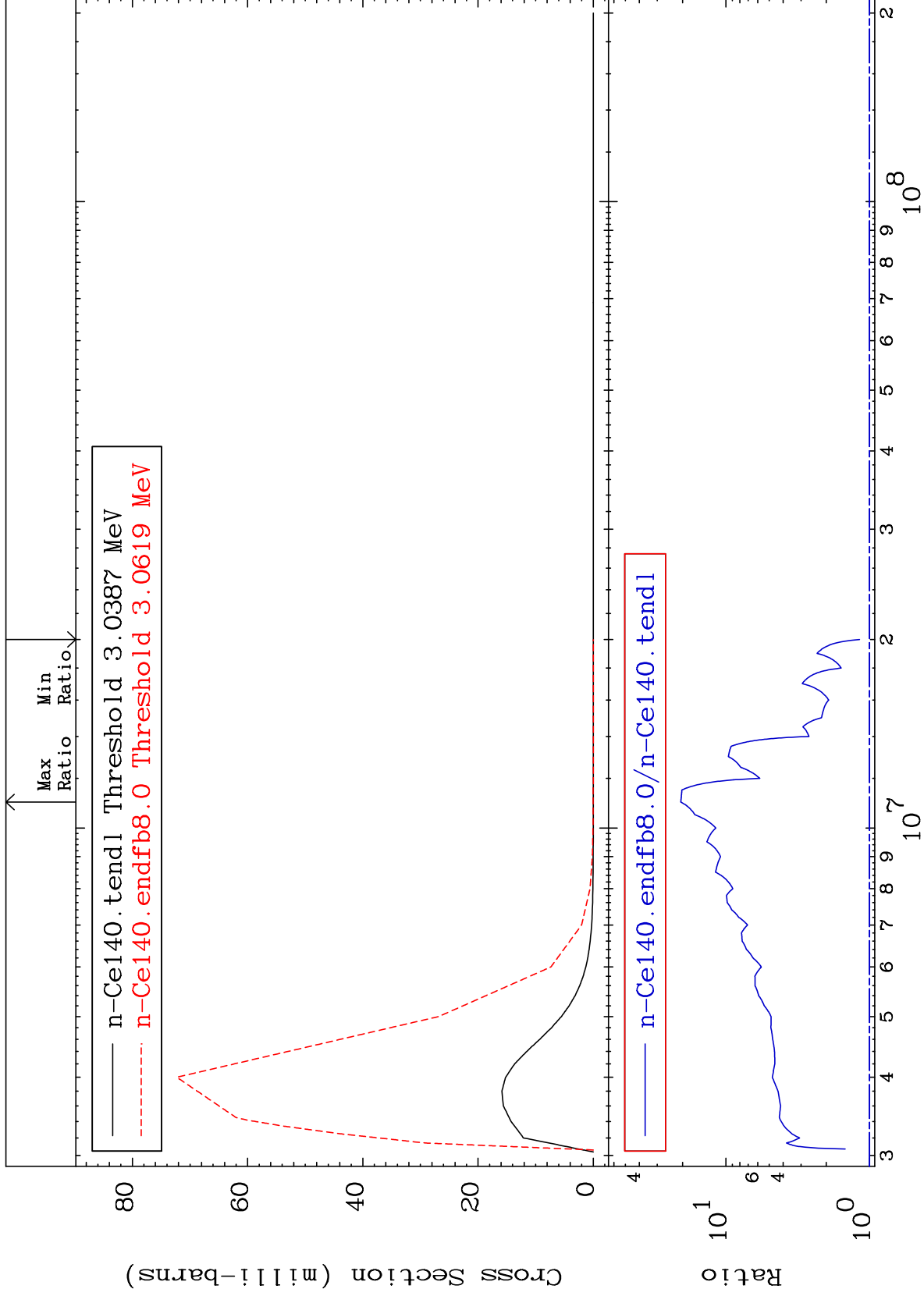
58-Ce-140
-100.0 To -10.45%



MAT 5837

MT= 67 (n,n') Level
Cross Section

58-Ce-140
17.47 To 1959. %



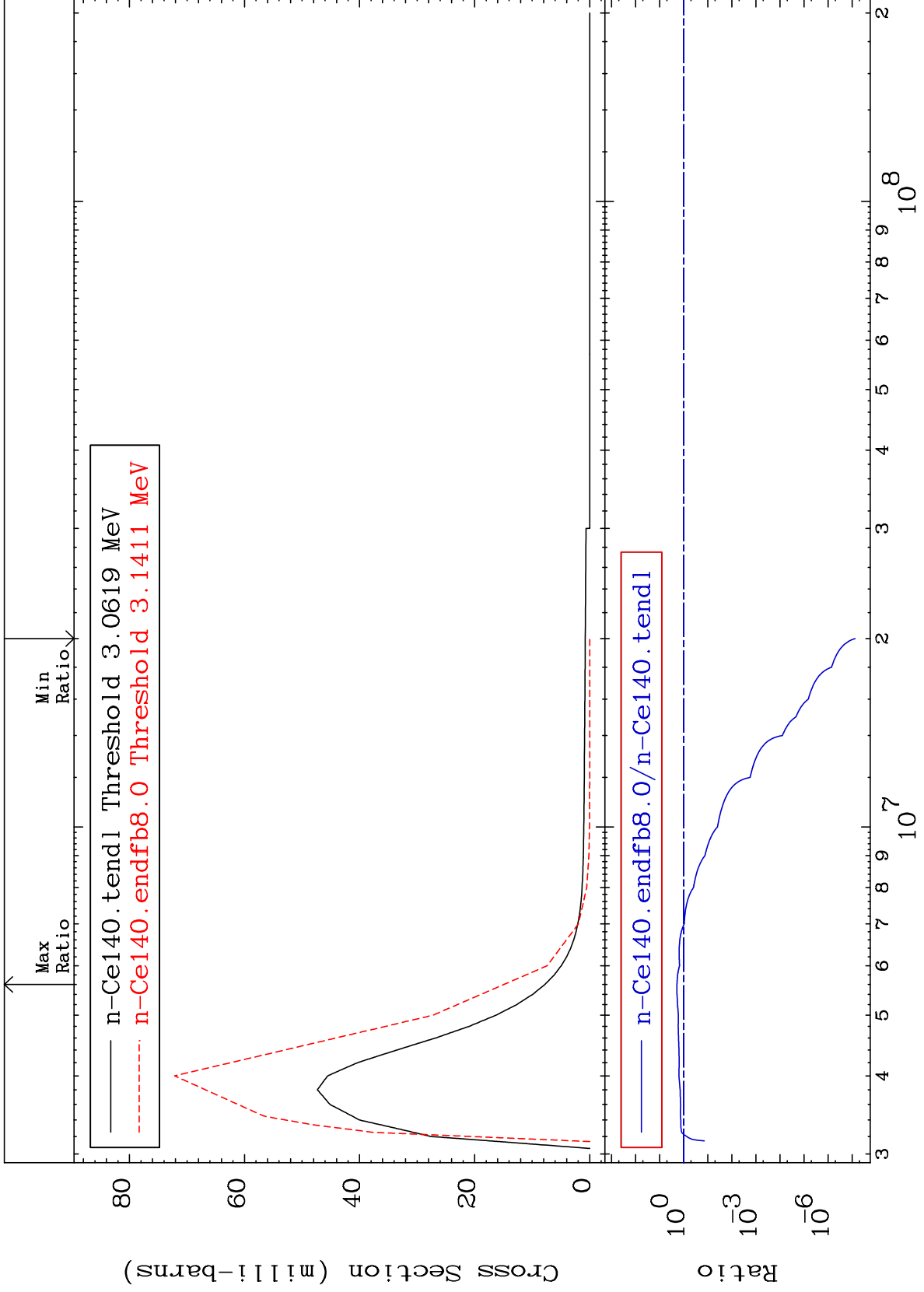
25

58-Ce-140

MAT 5837

MT= 68 (n,n') Level
Cross Section

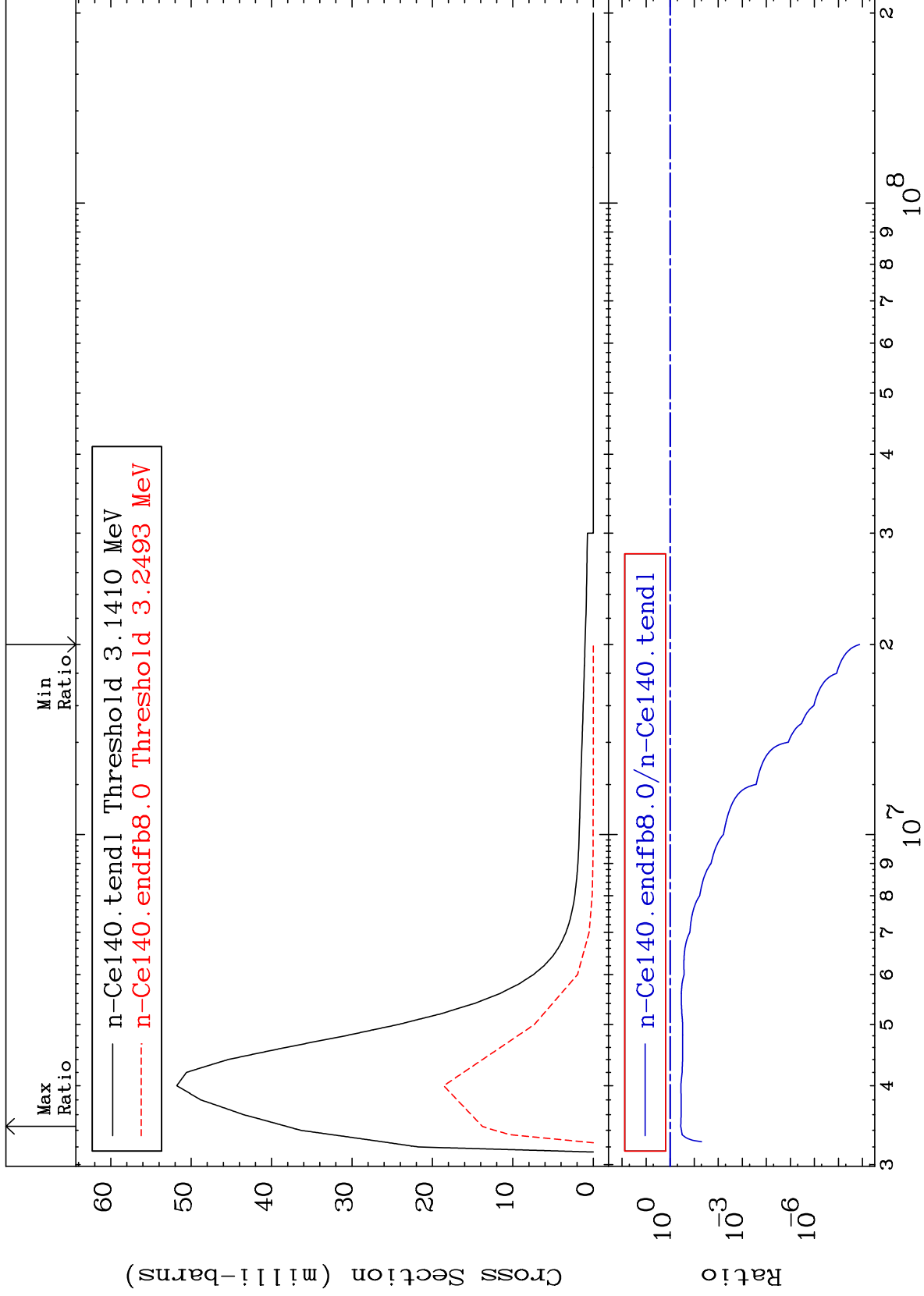
58-Ce-140
-100.0 To 91.45 %



MAT 5837

MT= 69 (n,n') Level
Cross Section

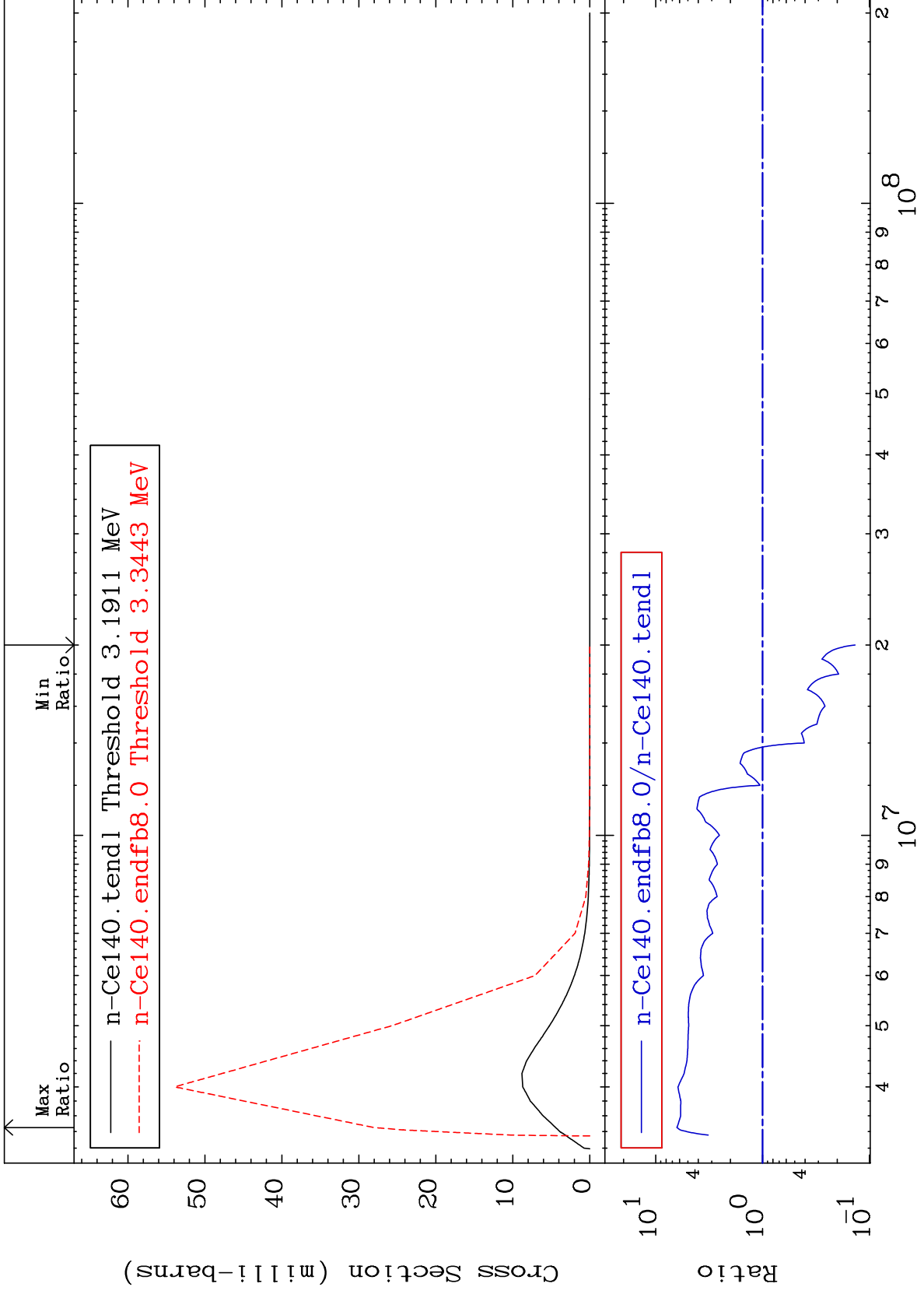
58-Ce-140
-100.0 To -63.84%

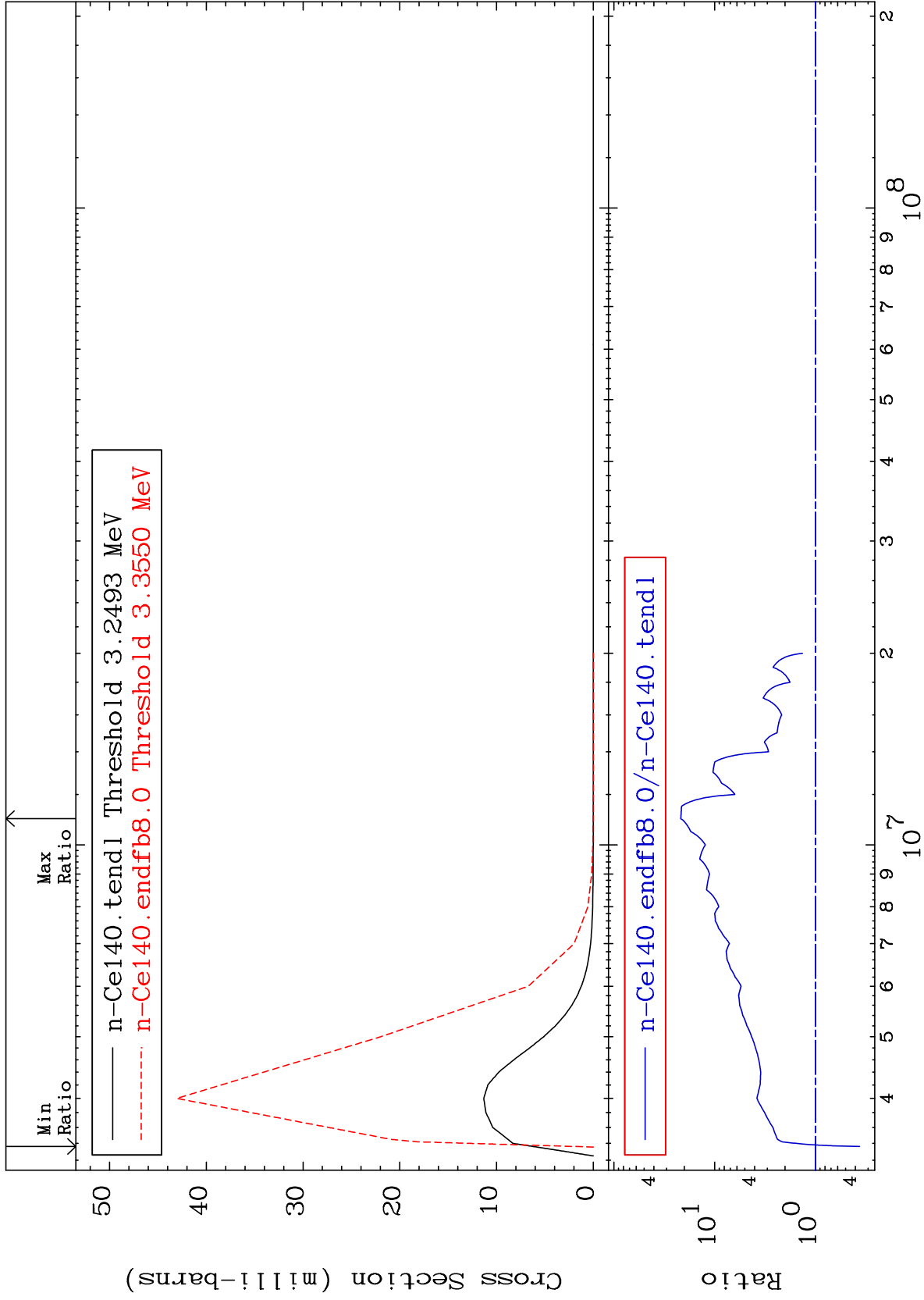


MAT 5837

MT= 70 (n,n') Level
Cross Section

58-Ce-140
-86.39 To 534.1 %

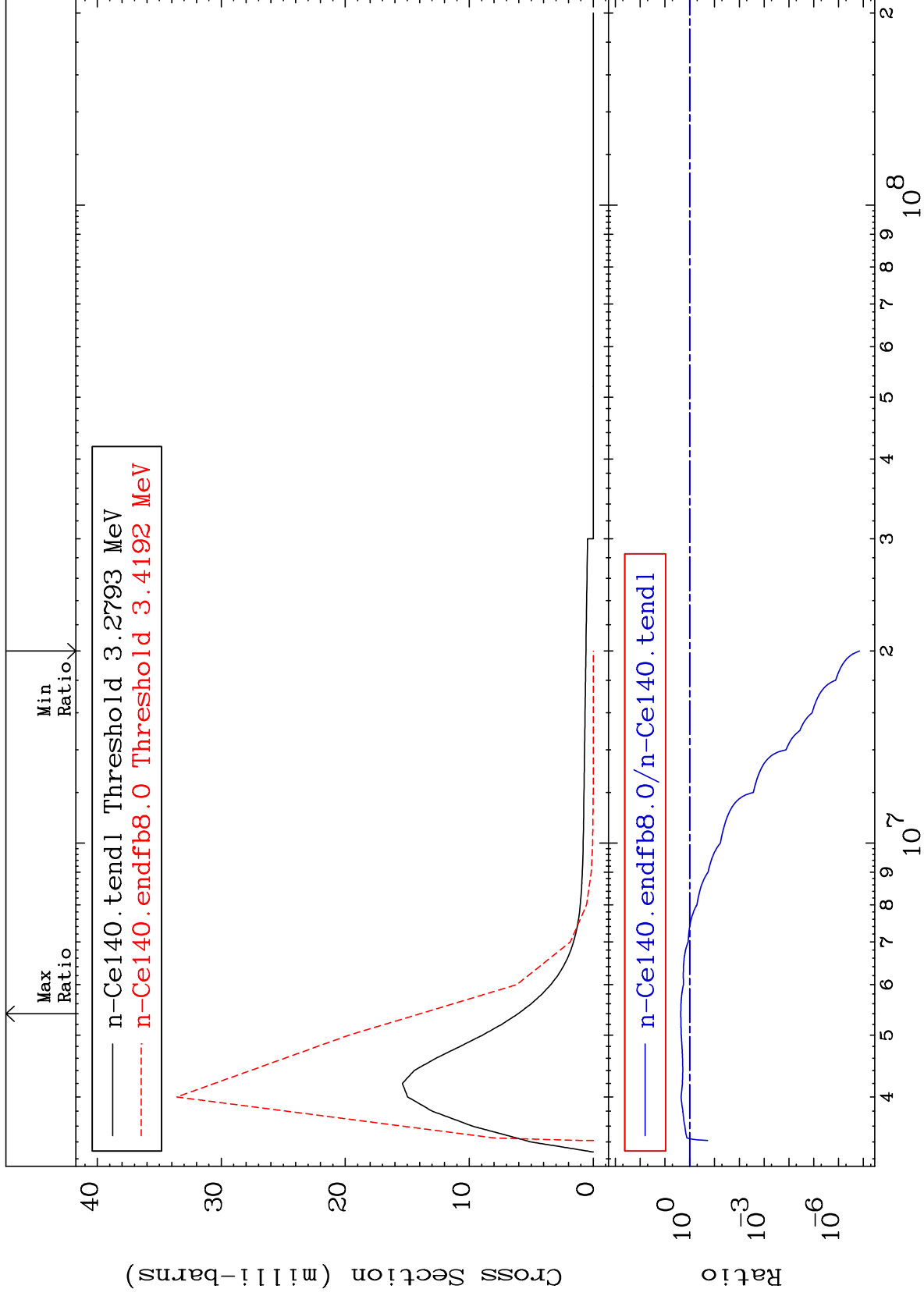




MAT 5837

MT= 72 (n,n') Level
Cross Section

58-Ce-140
-100.0 To 130.6 %



30

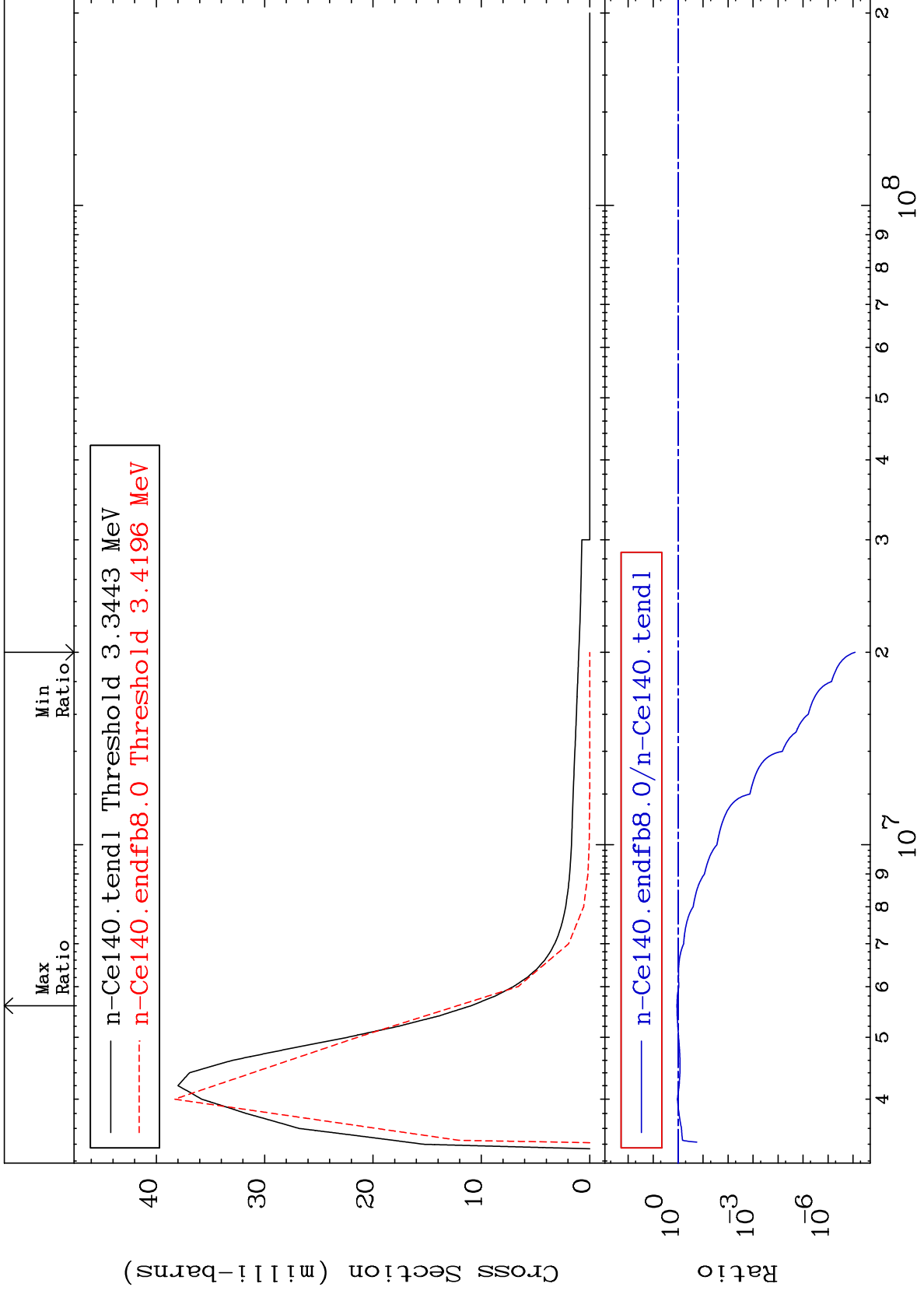
58-Ce-140

58-Ce-140

MAT 5837

MT= 73 (n,n') Level
Cross Section

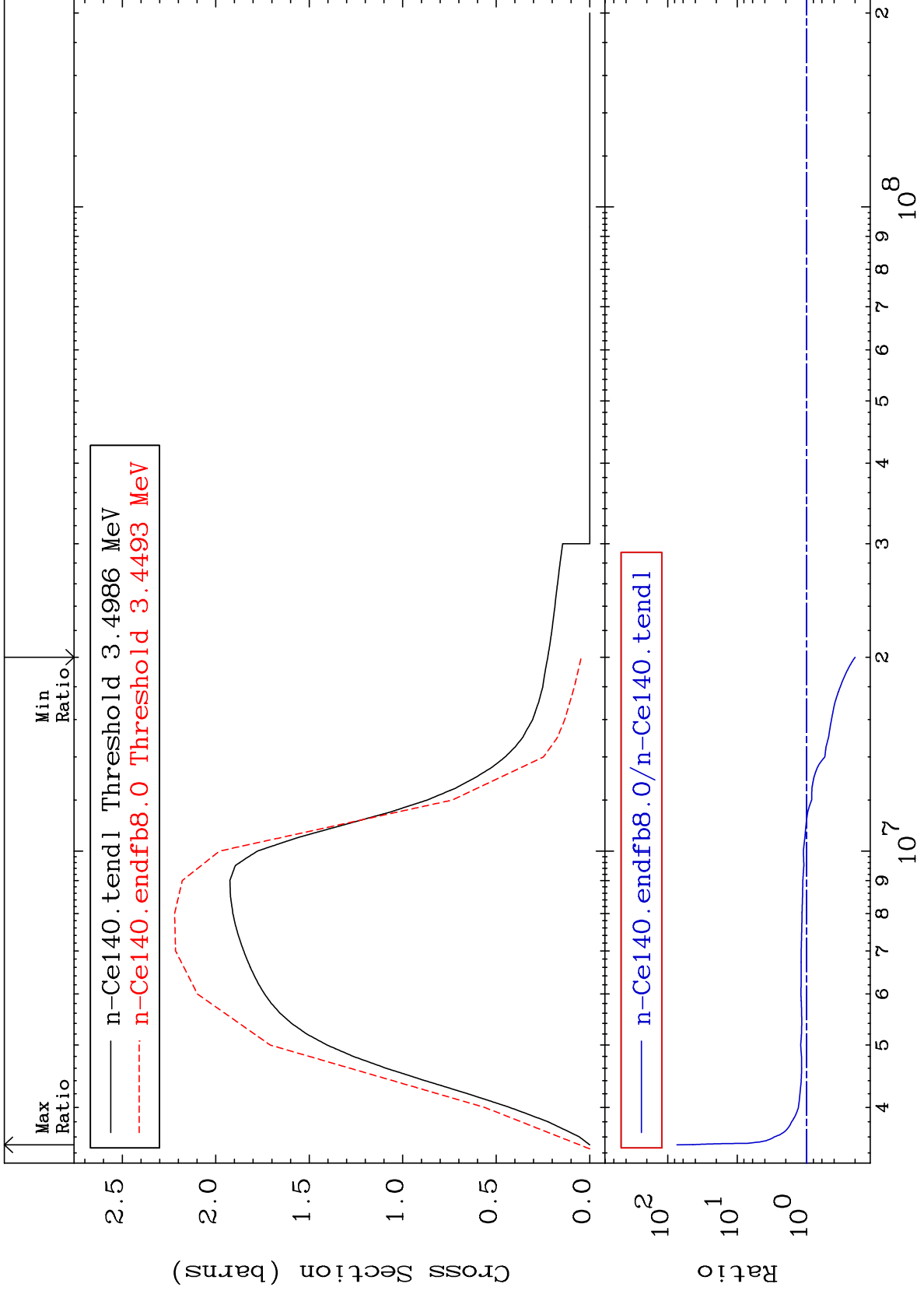
58-Ce-140
-100.0 To 11.57 %



MAT 5837

(n,n') Continuum
Cross Section

58-Ce-140
-80.00 To 7284. %



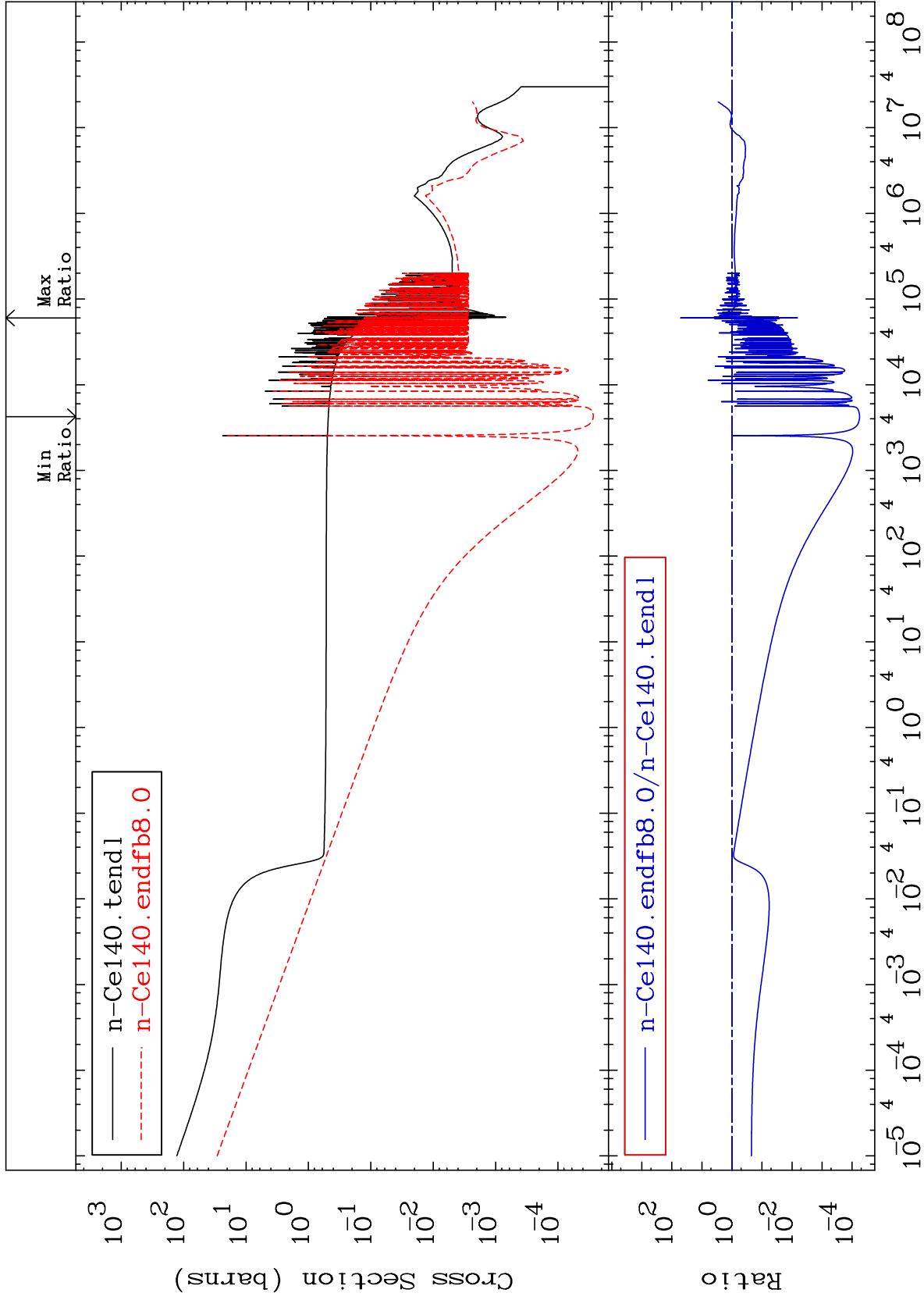
MAT 5837

58-Ce-140

(n, γ)

Cross Section

-99.99 To 4953. %



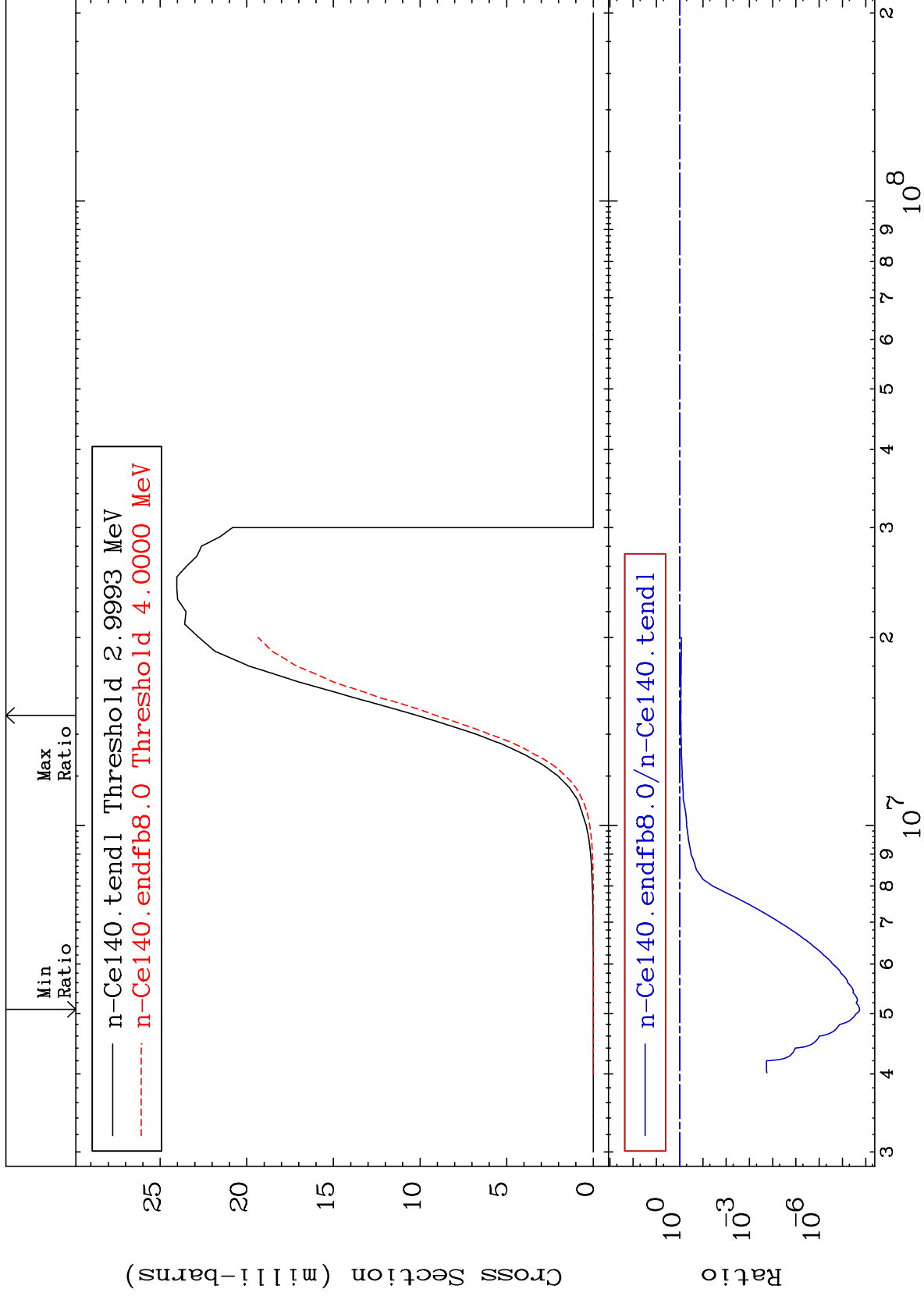
MAT 5837

(n,p)

58-Ce-140

Cross Section

-100.0 To -10.59%



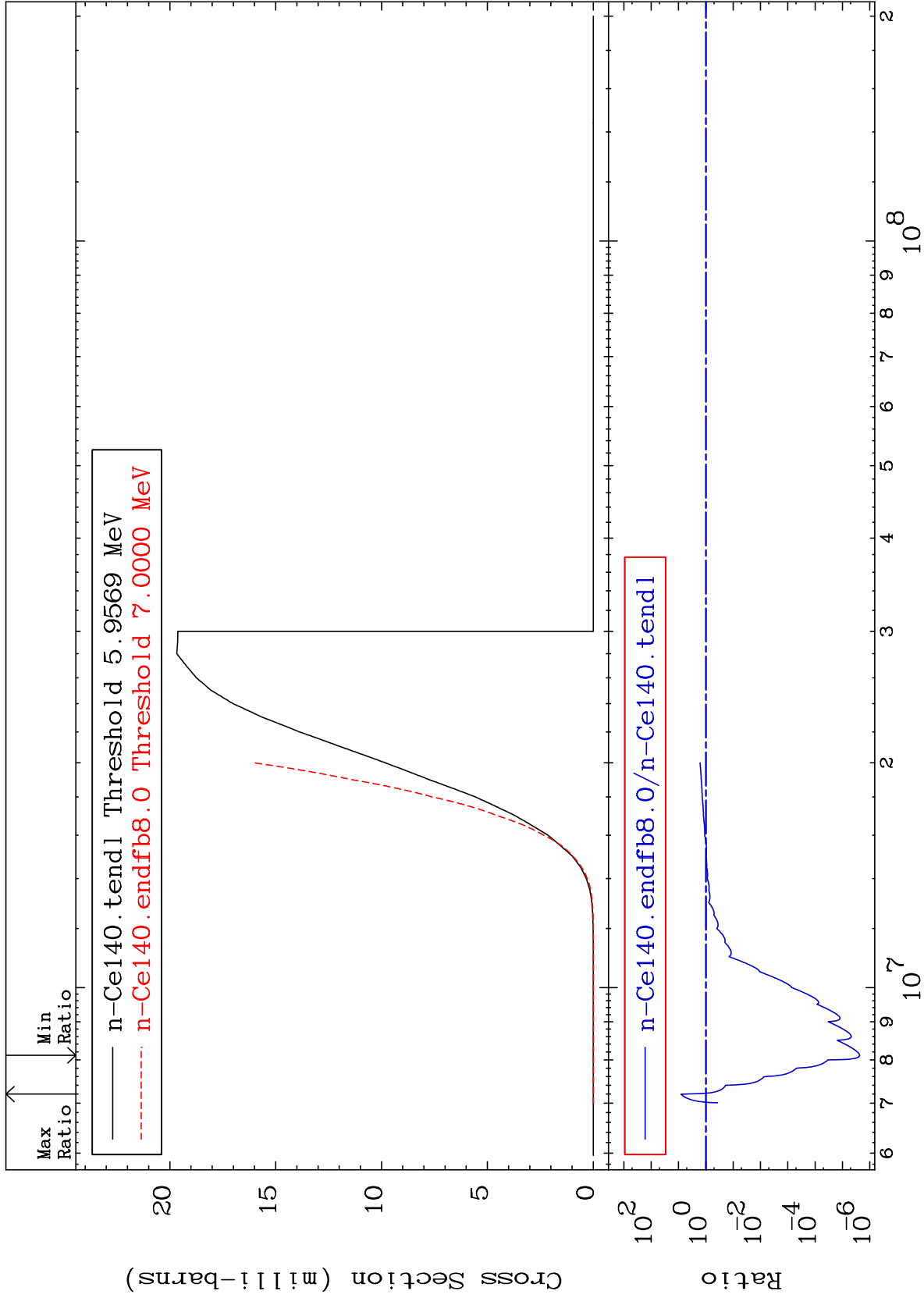
34

Incident Energy (eV)

58-Ce-140

Cross Section

-100.0 To 727.4 %



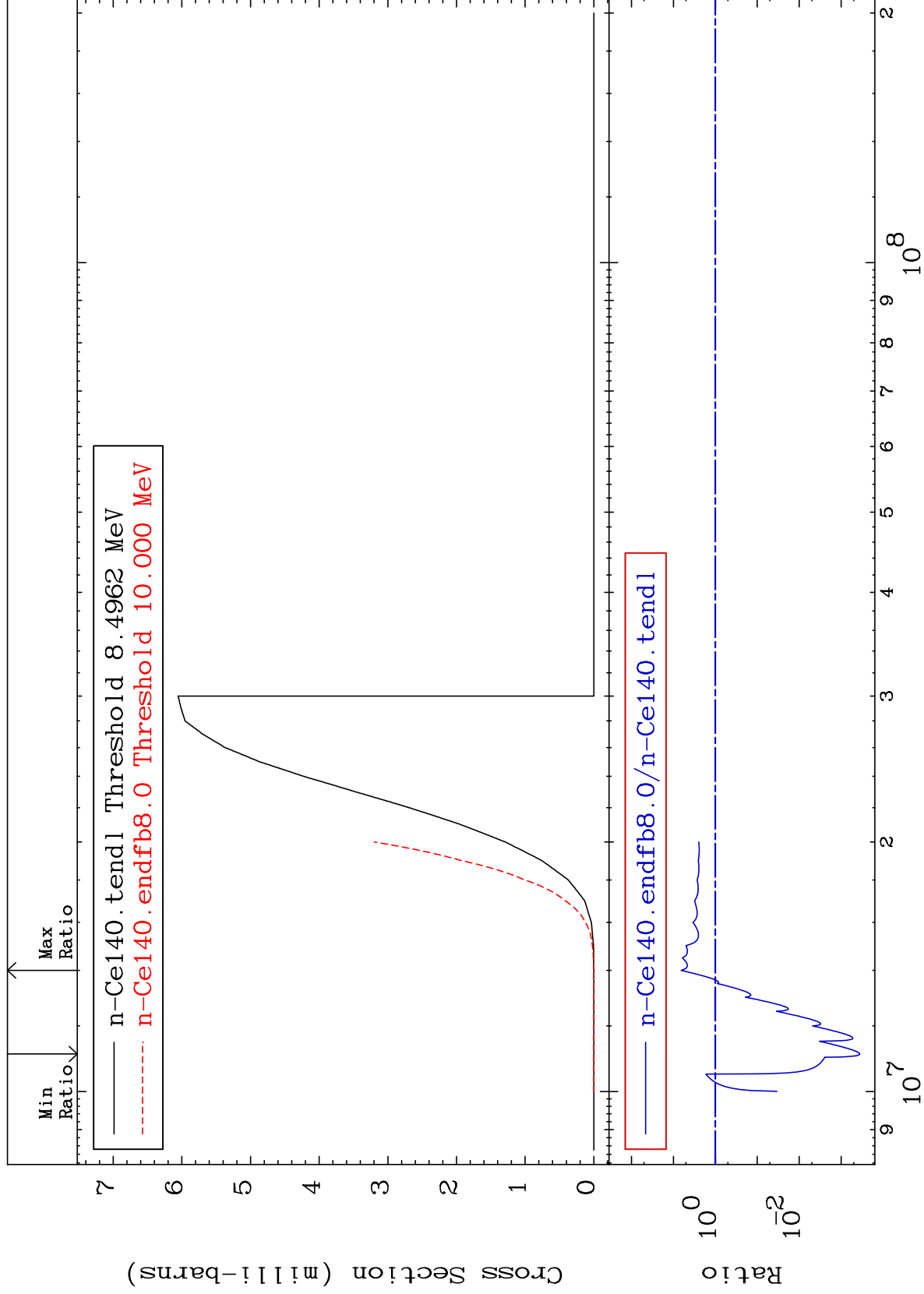
MAT 5837

(n, t)

58-Ce-140

Cross Section

-99.96 To 550.8 %



36

Incident Energy (eV)

58-Ce-140

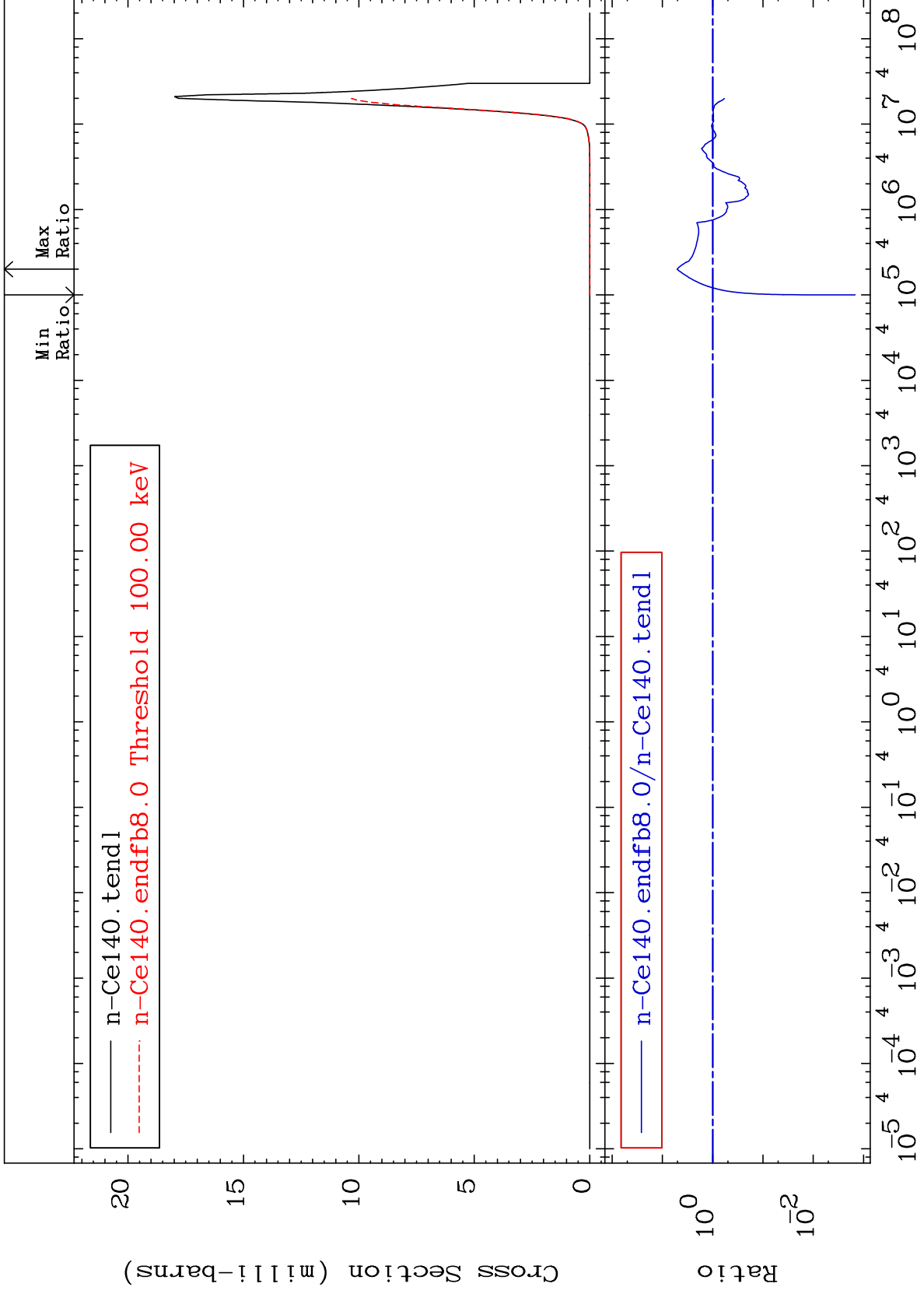
MAT 5837

(n, α)

58-Ce-140

Cross Section

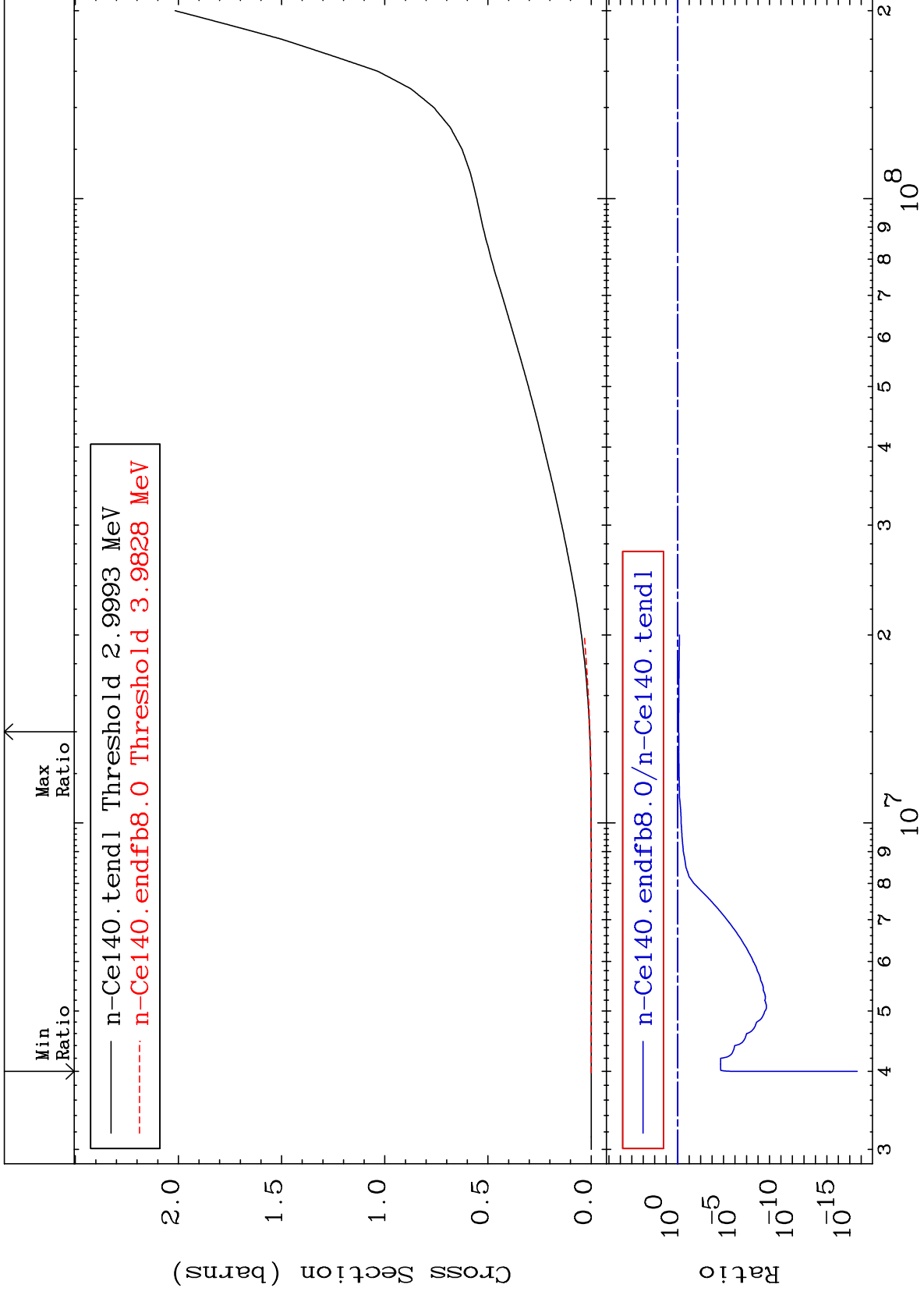
-99.85 To 414.9 %

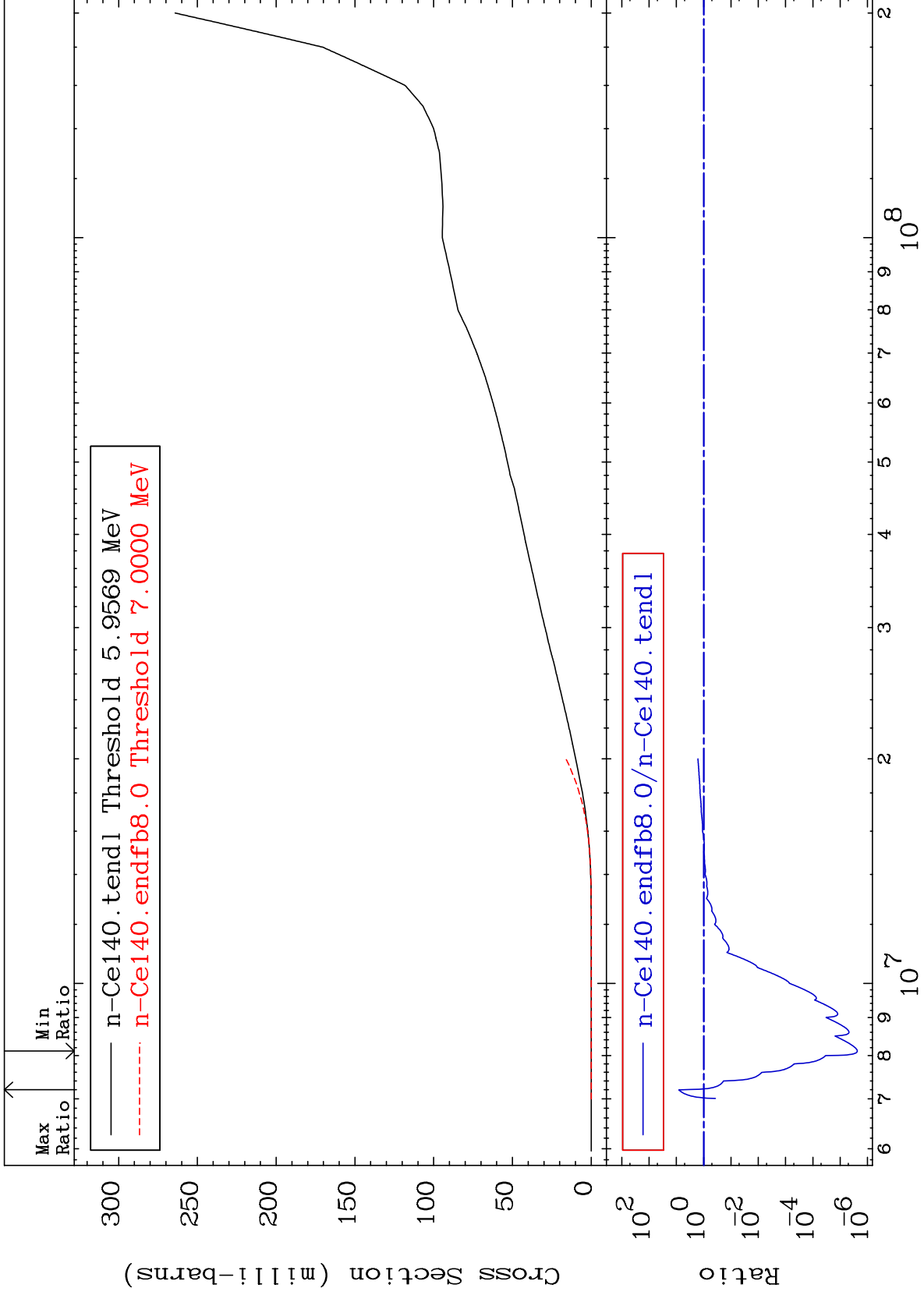


MAT 5837

Hydrogen Production
Cross Section

58-Ce-140
-100.0 To -17.48%

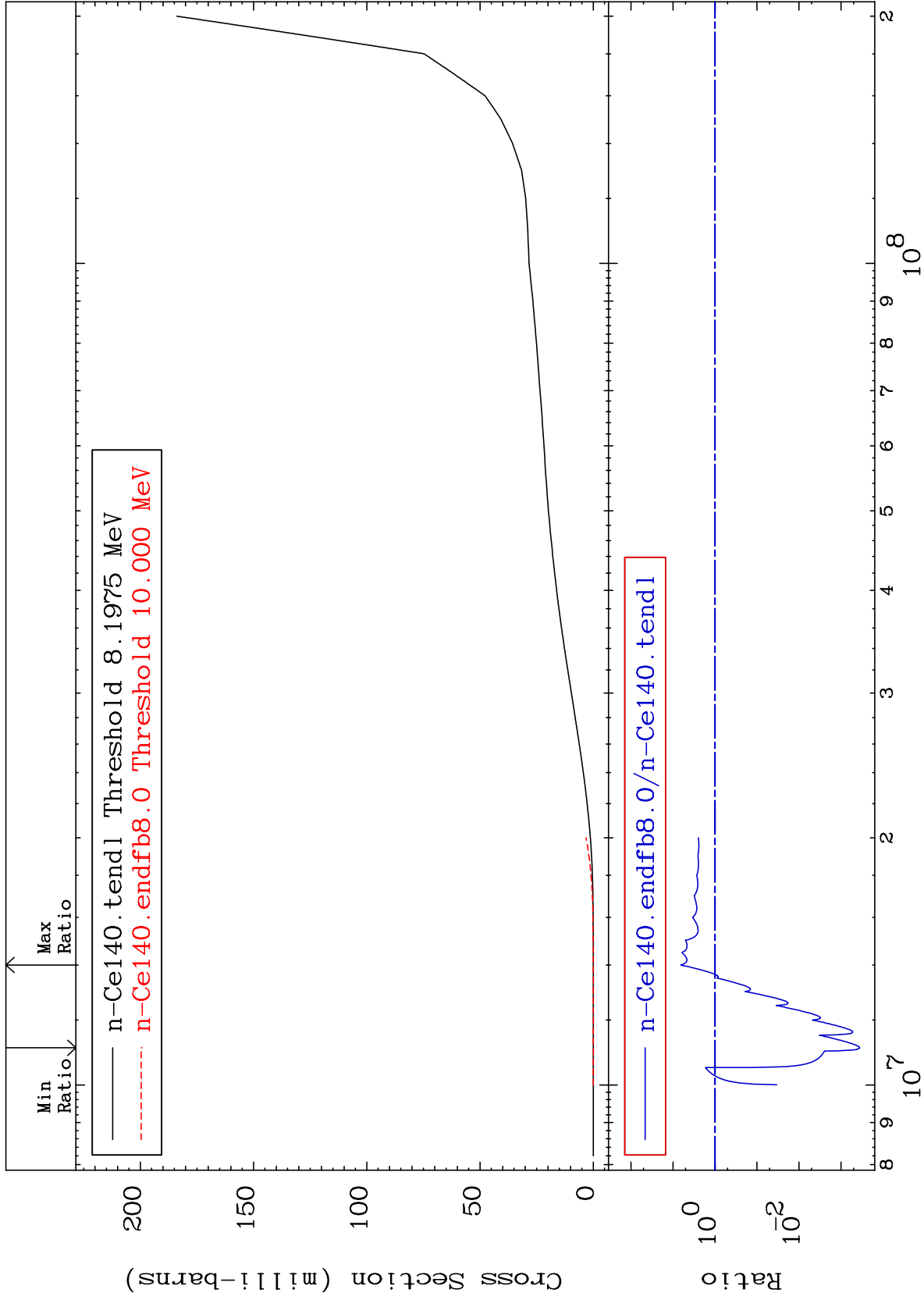




MAT 5837

Tritium Production
Cross Section

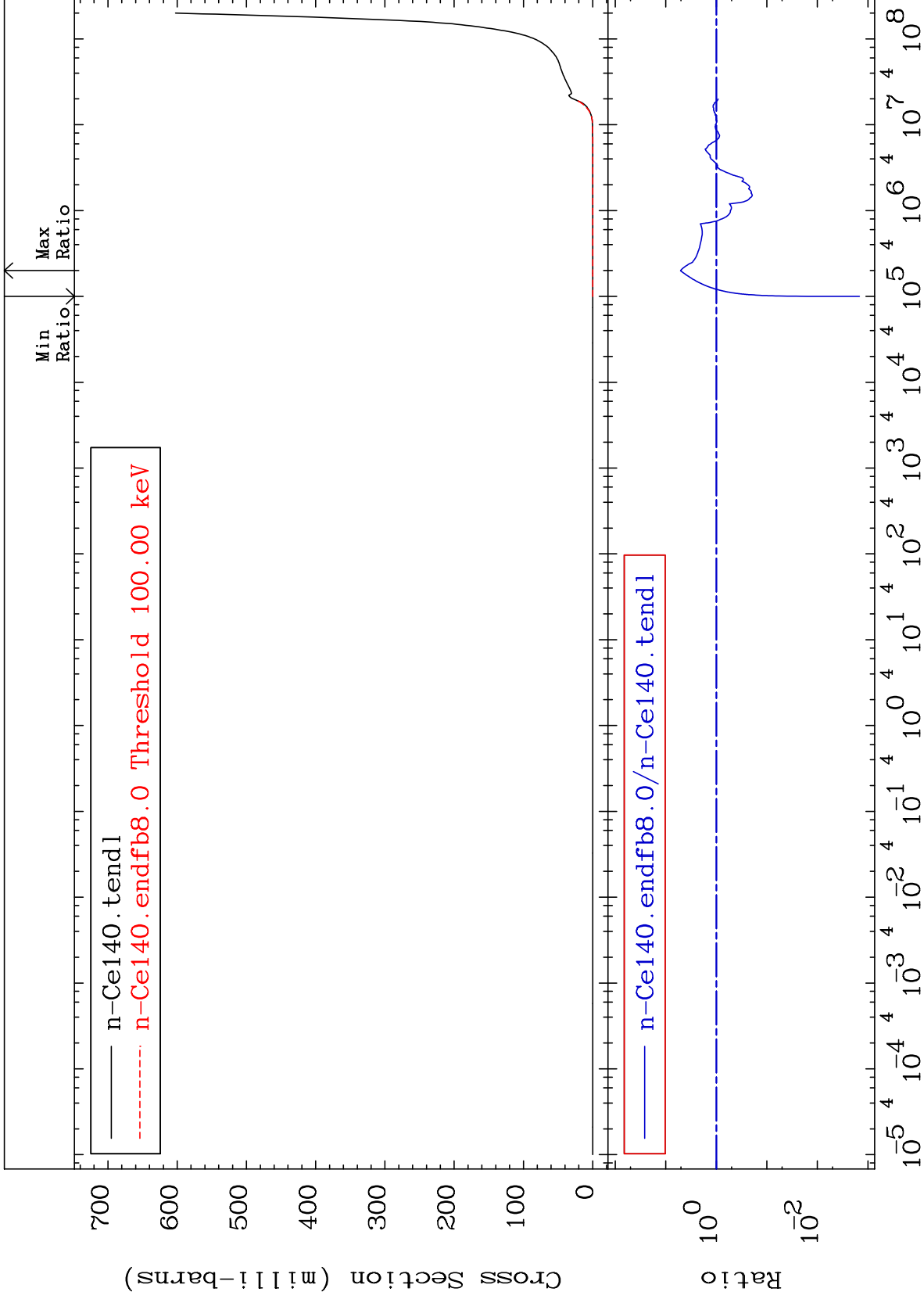
58-Ce-140
-99.96 To 550.8 %



40

Incident Energy (eV)

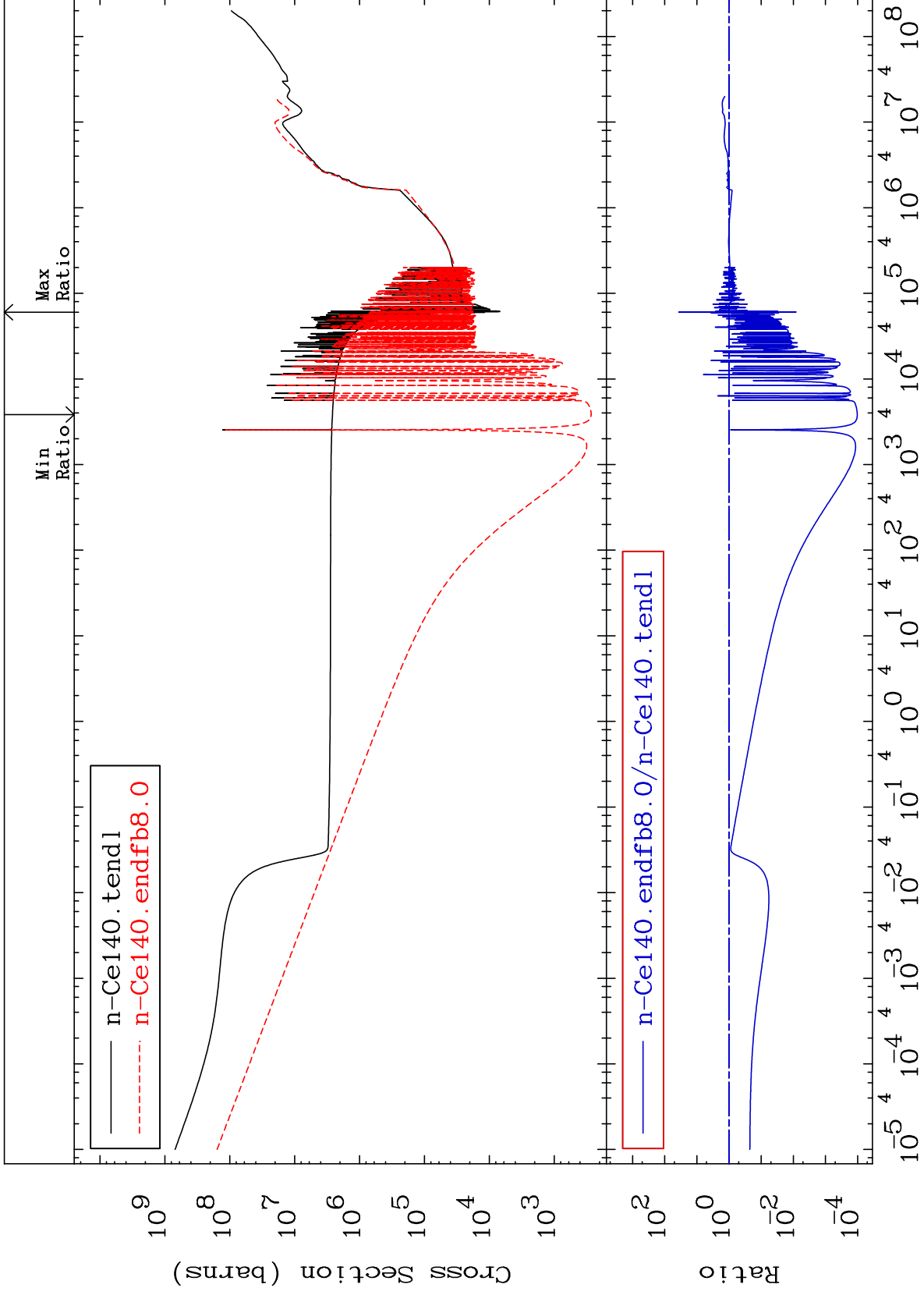
58-Ce-140

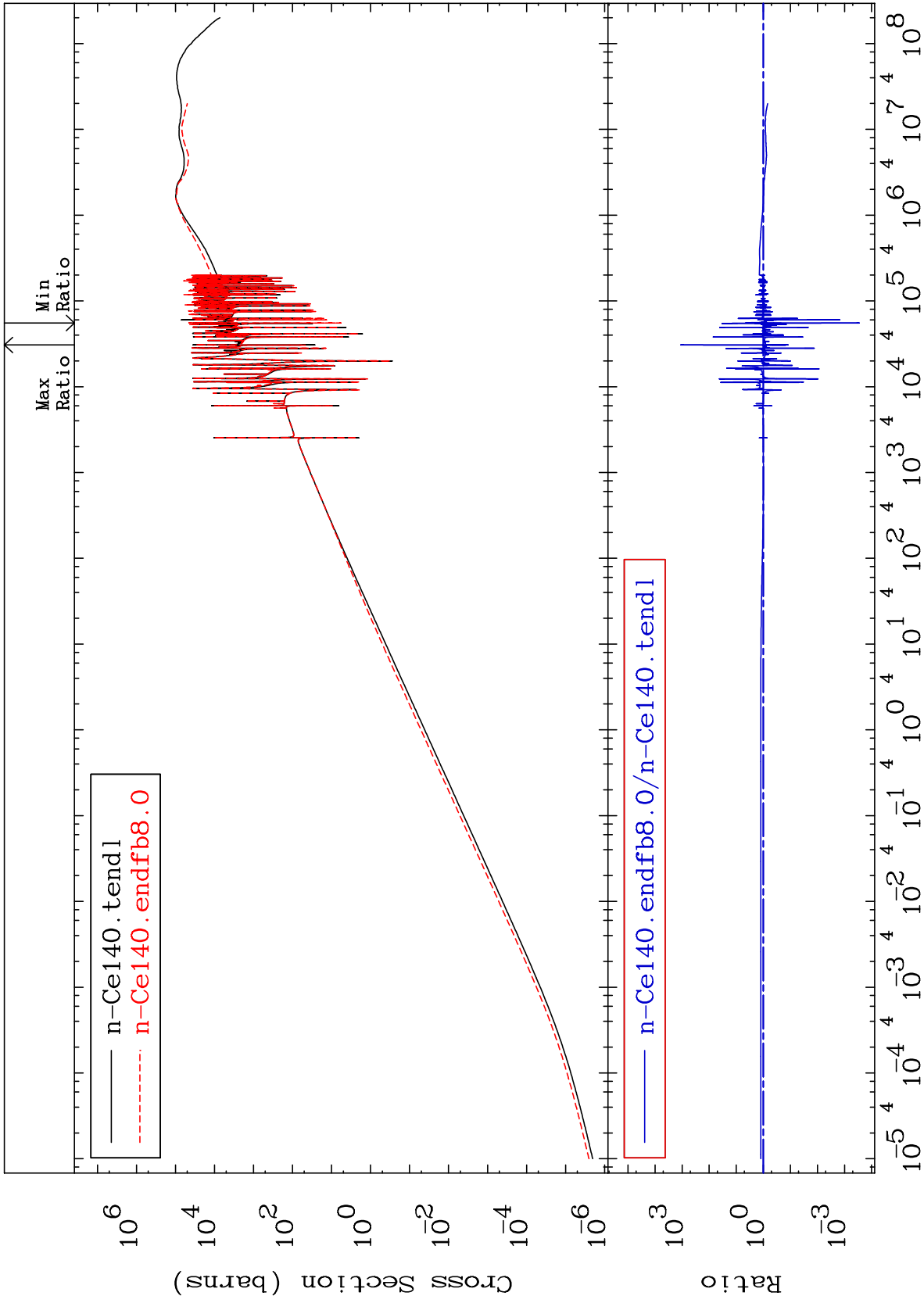


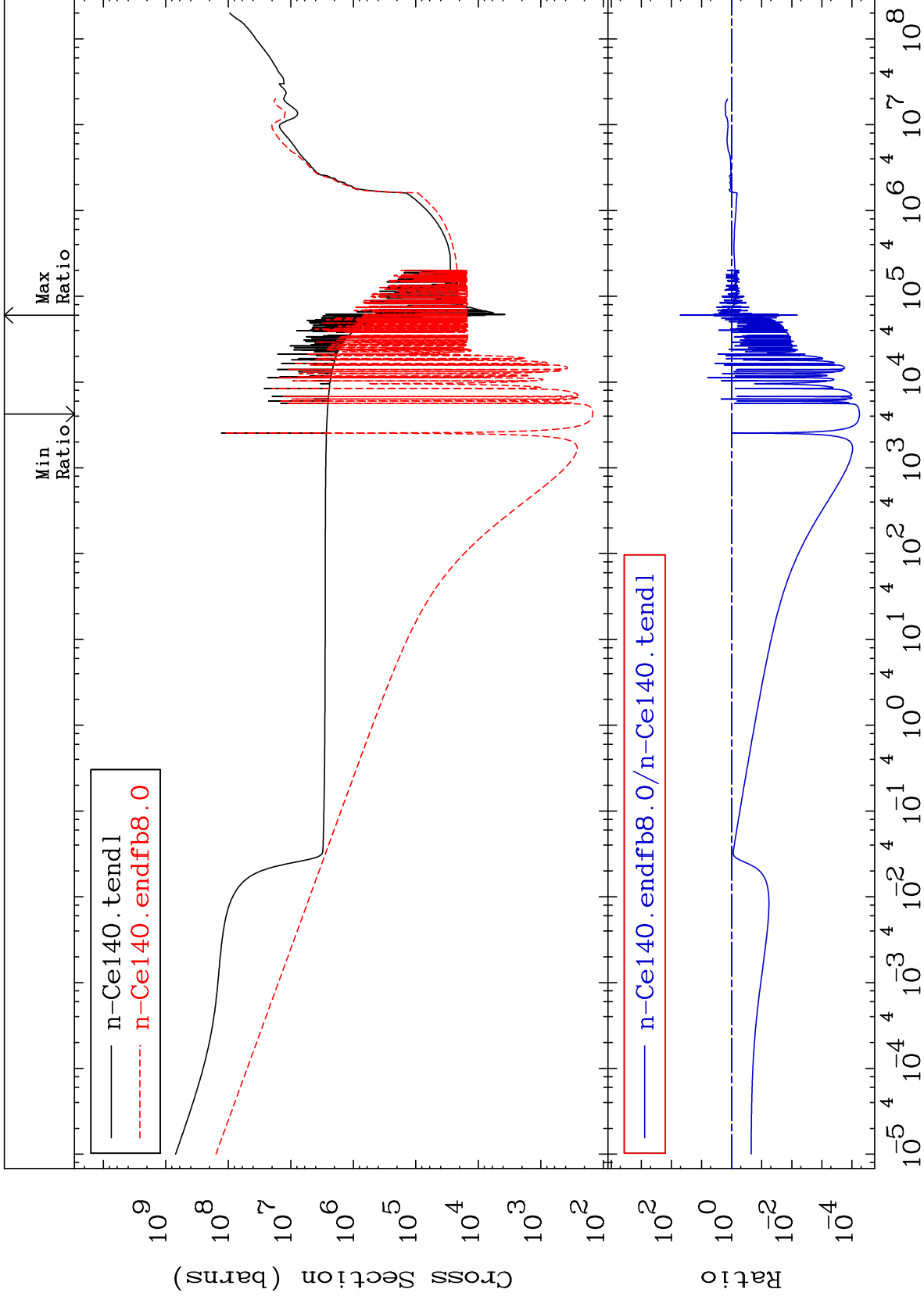
MAT 5837

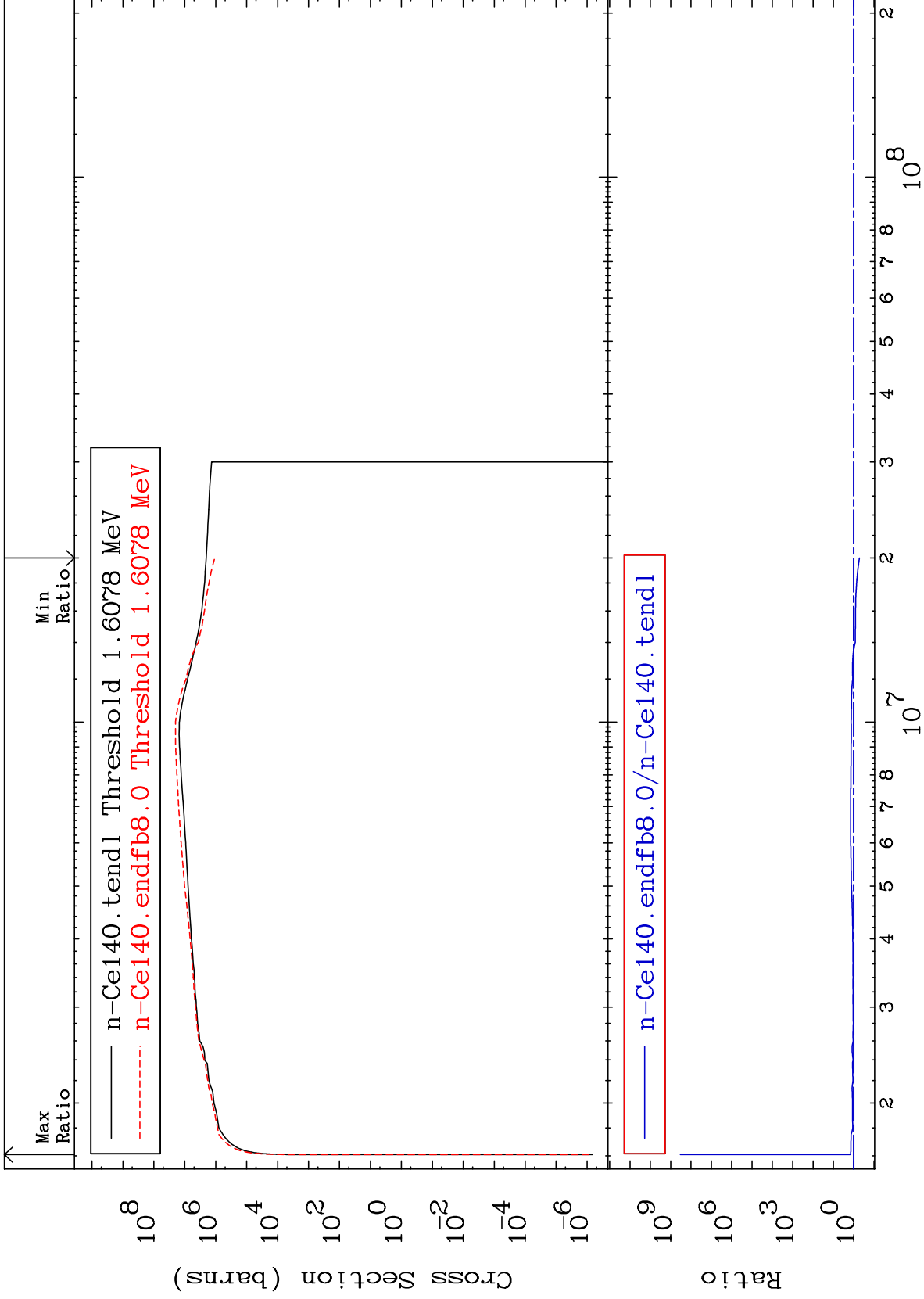
Kerma total (eV-barns)
Cross Section

58-Ce-140
-99.99 To 3586. %





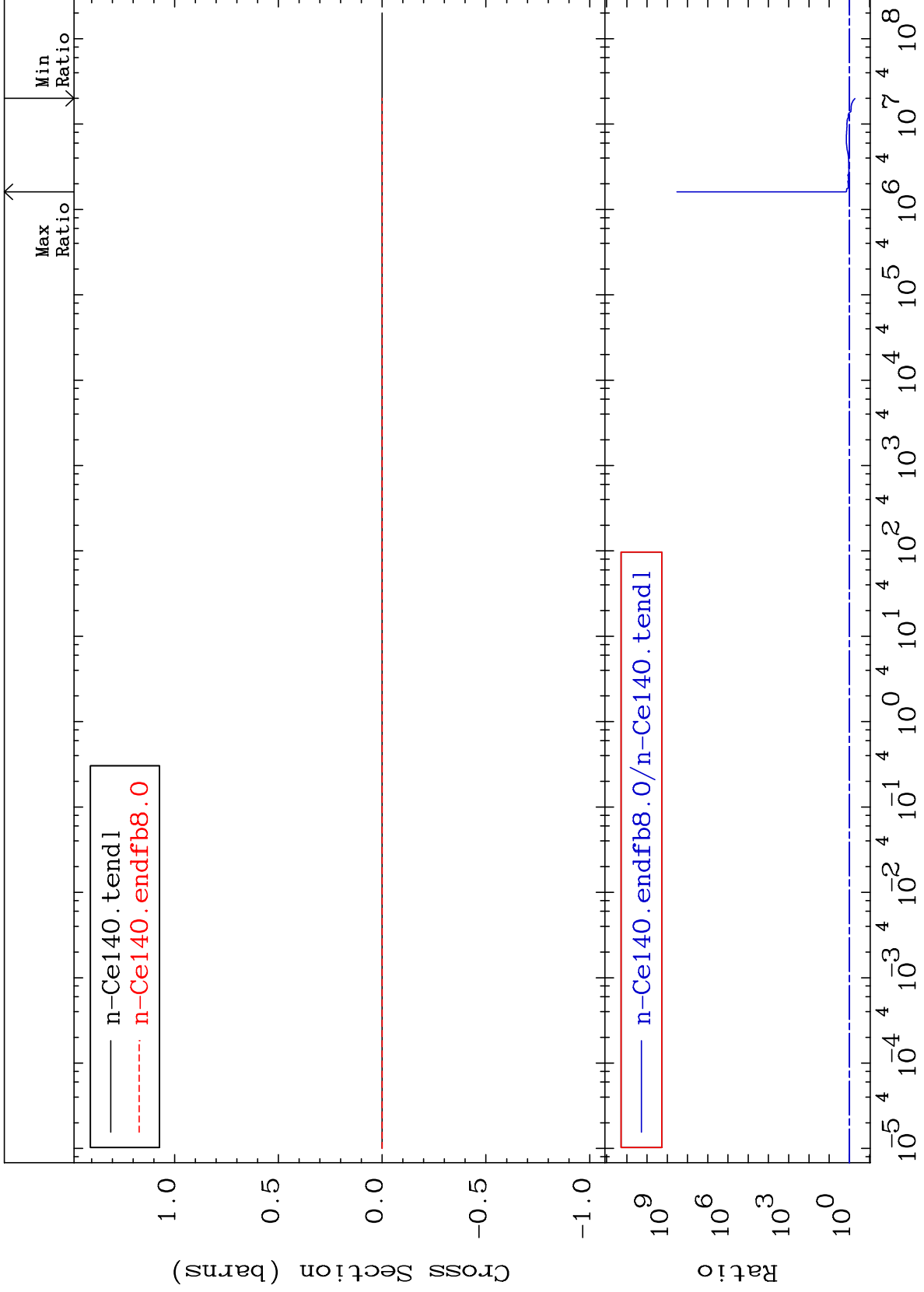




MAT 5837

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

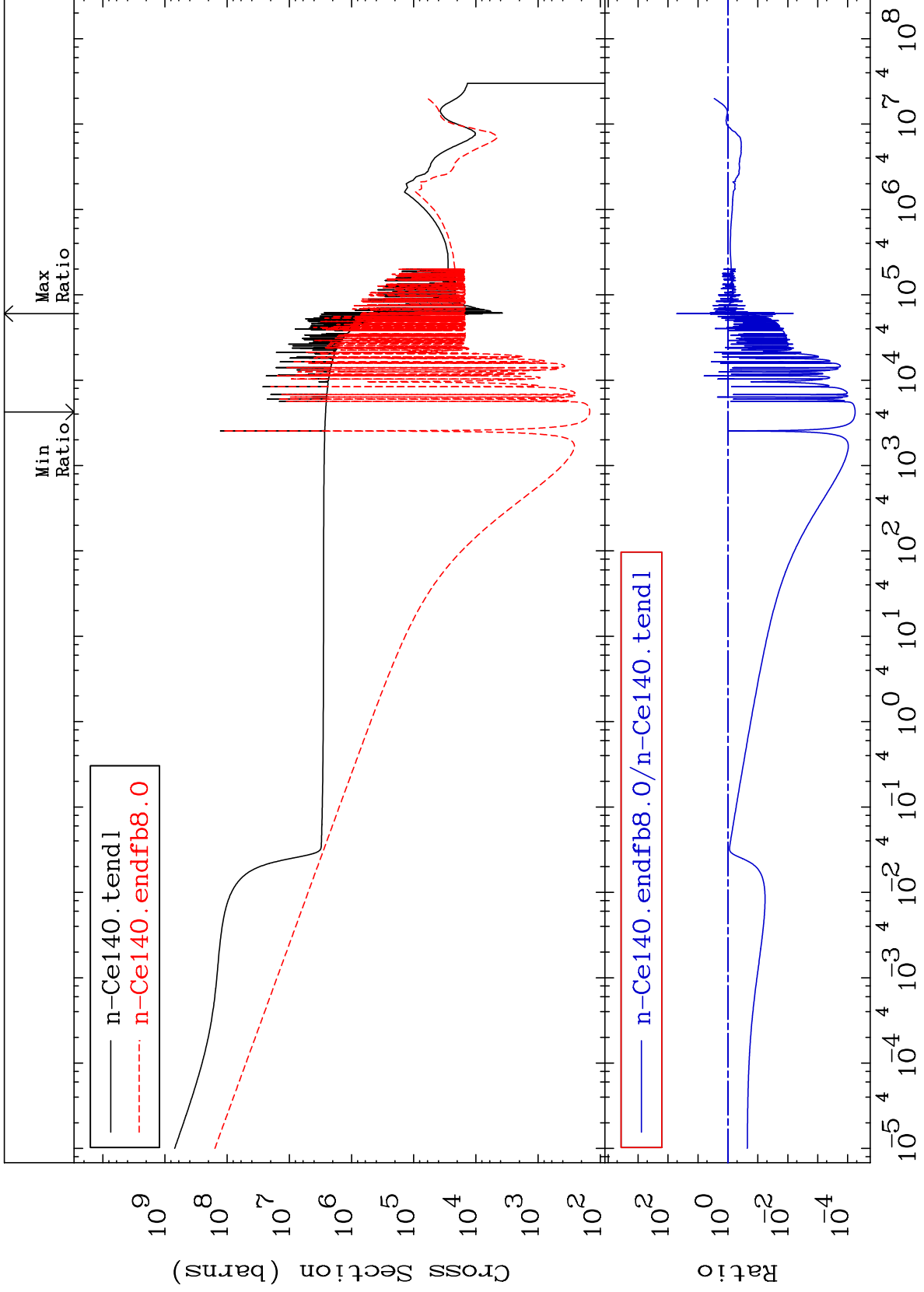
58-Ce-140
-47.60 To 9999. %



MAT 5837

Kerma capture (mt102)
Cross Section

58-Ce-140
-99.99 To 4953. %

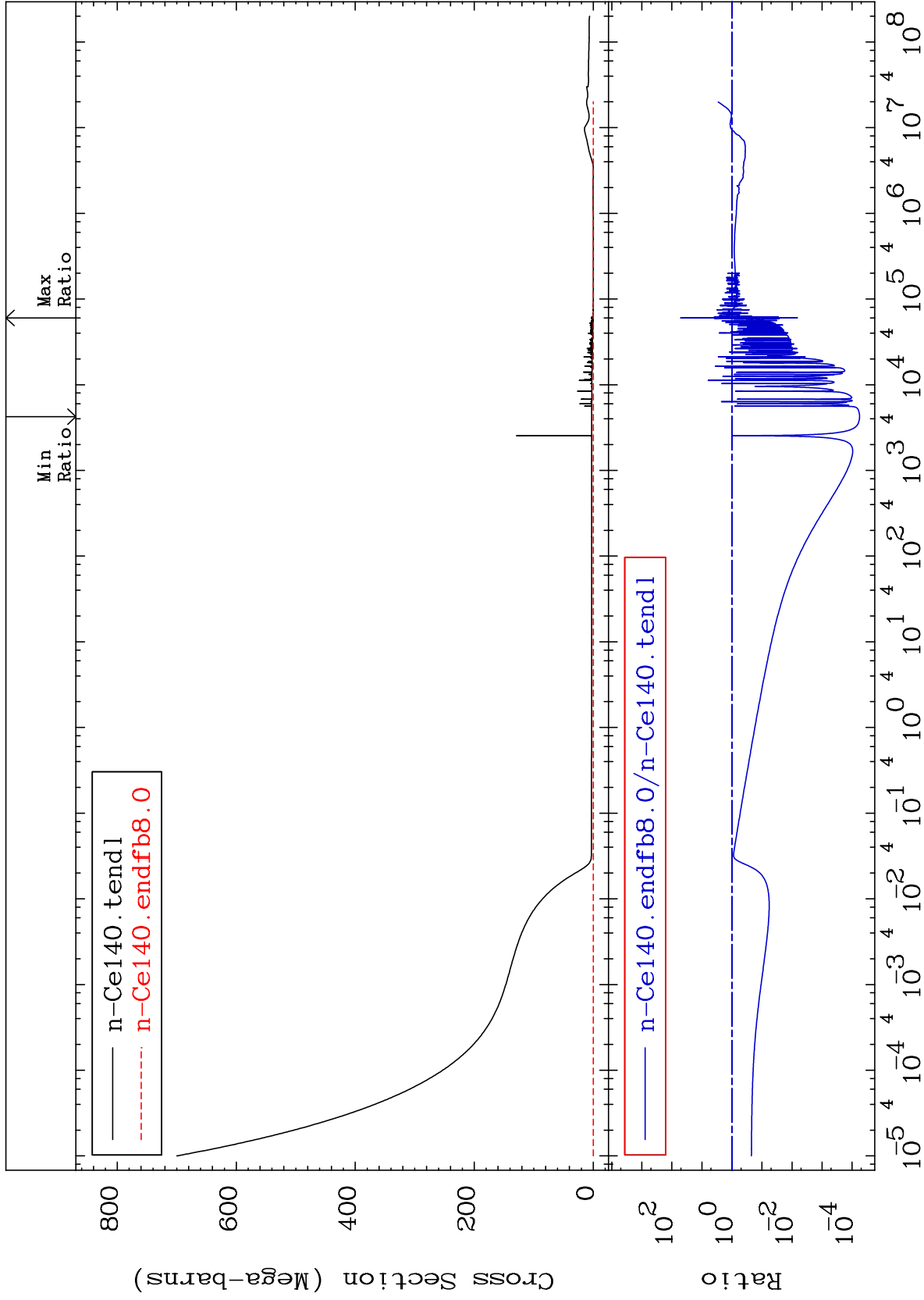


MAT 5837

Total photon (eV-barns)
Cross Section

58-Ce-140

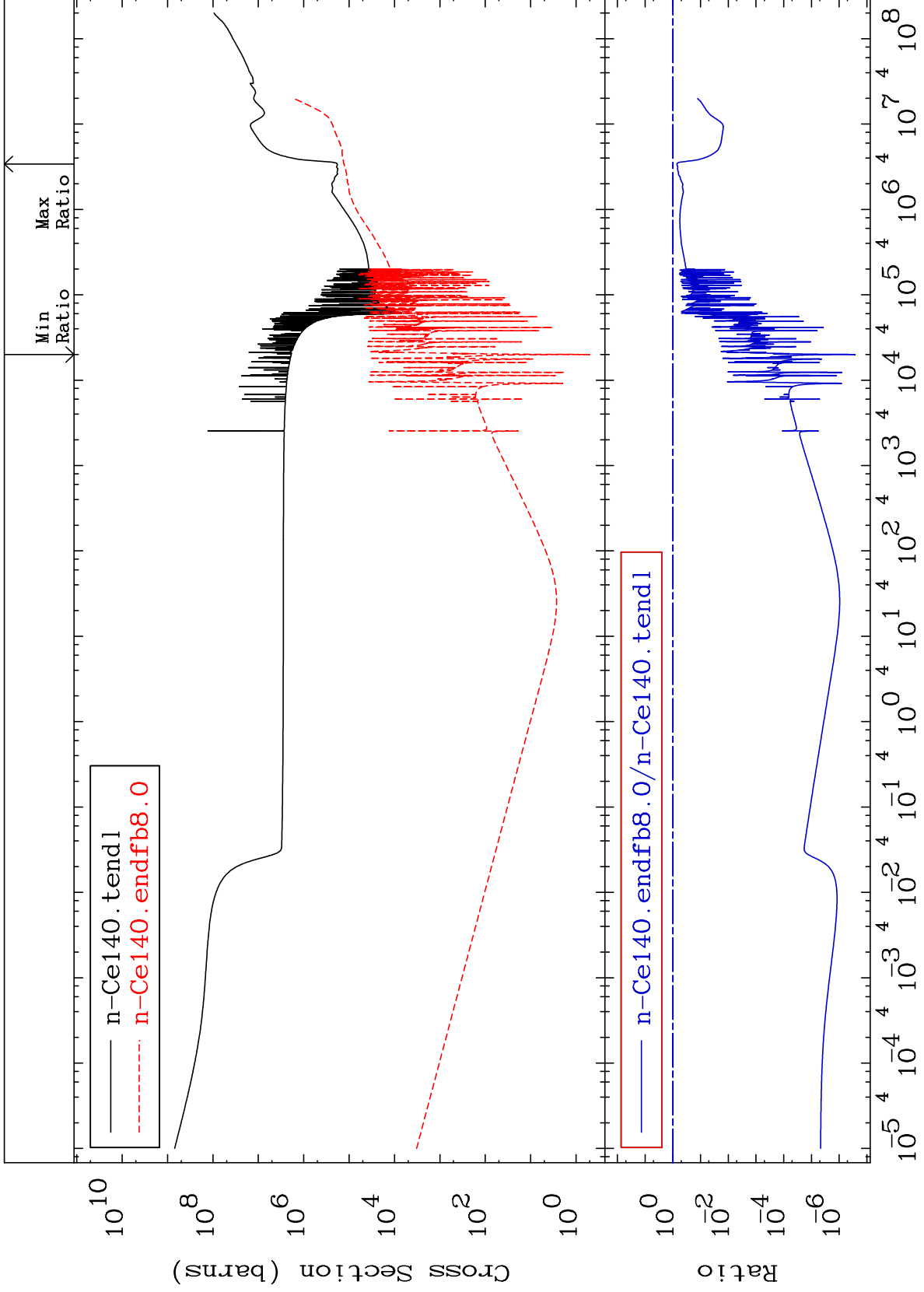
-99.99 To 4953. %



48

Incident Energy (eV)

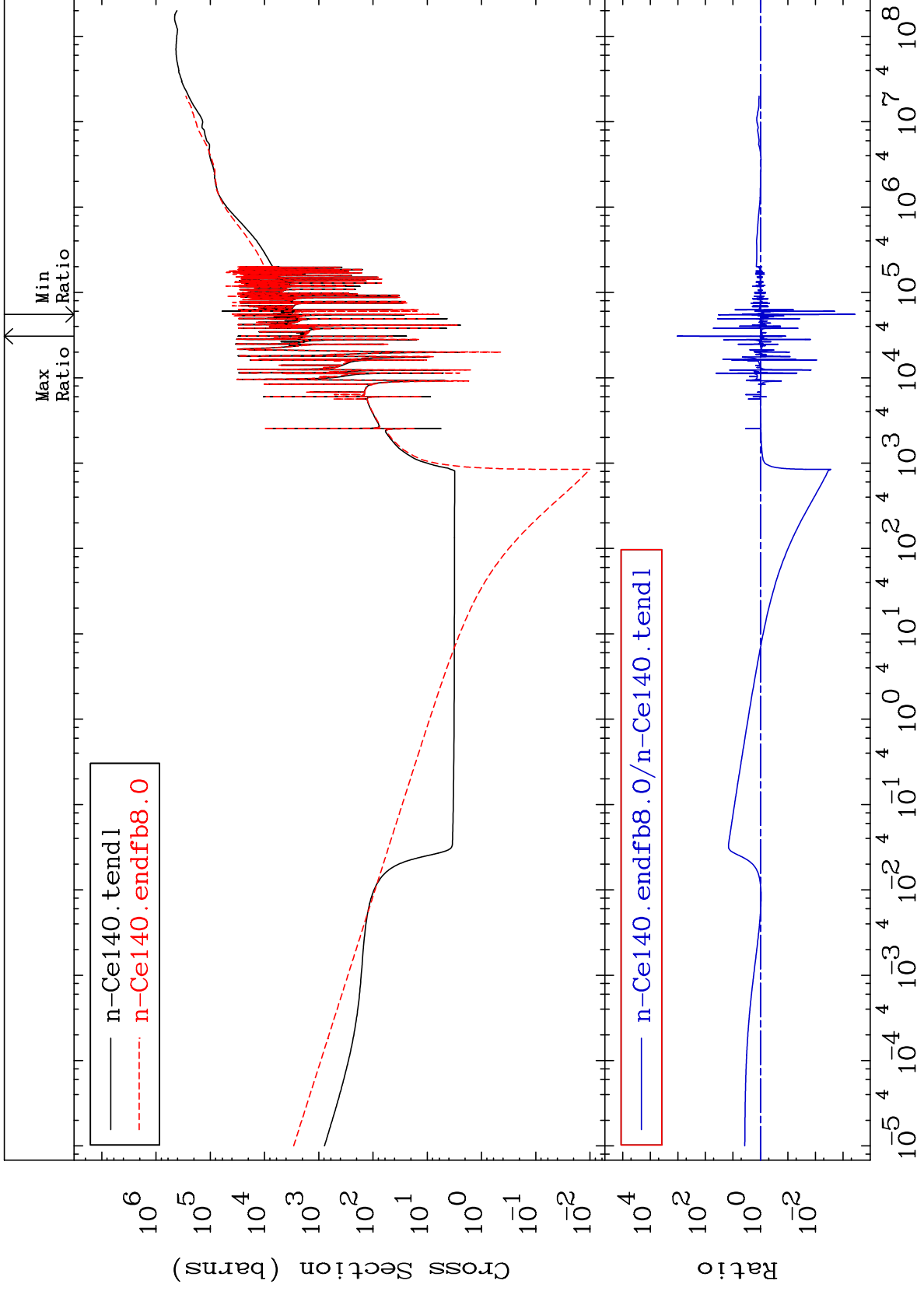
58-Ce-140



MAT 5837

Dpa total (eV-barns)
Cross Section

58-Ce-140
-99.96 To 9999. %



50

58-Ce-140

