

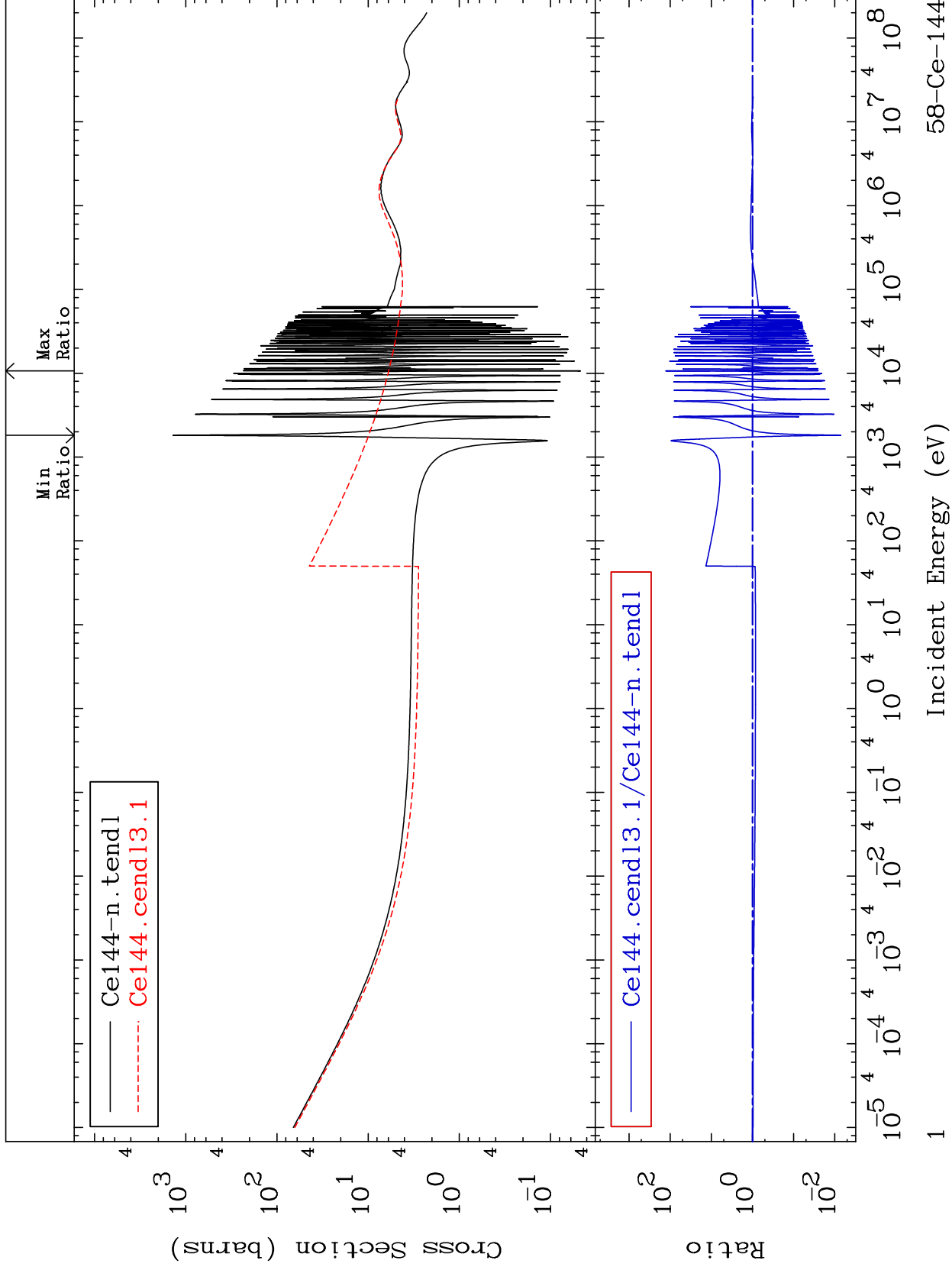
MAT 5849

Total

58-Ce-144

Cross Section

-99.29 To 9999. %



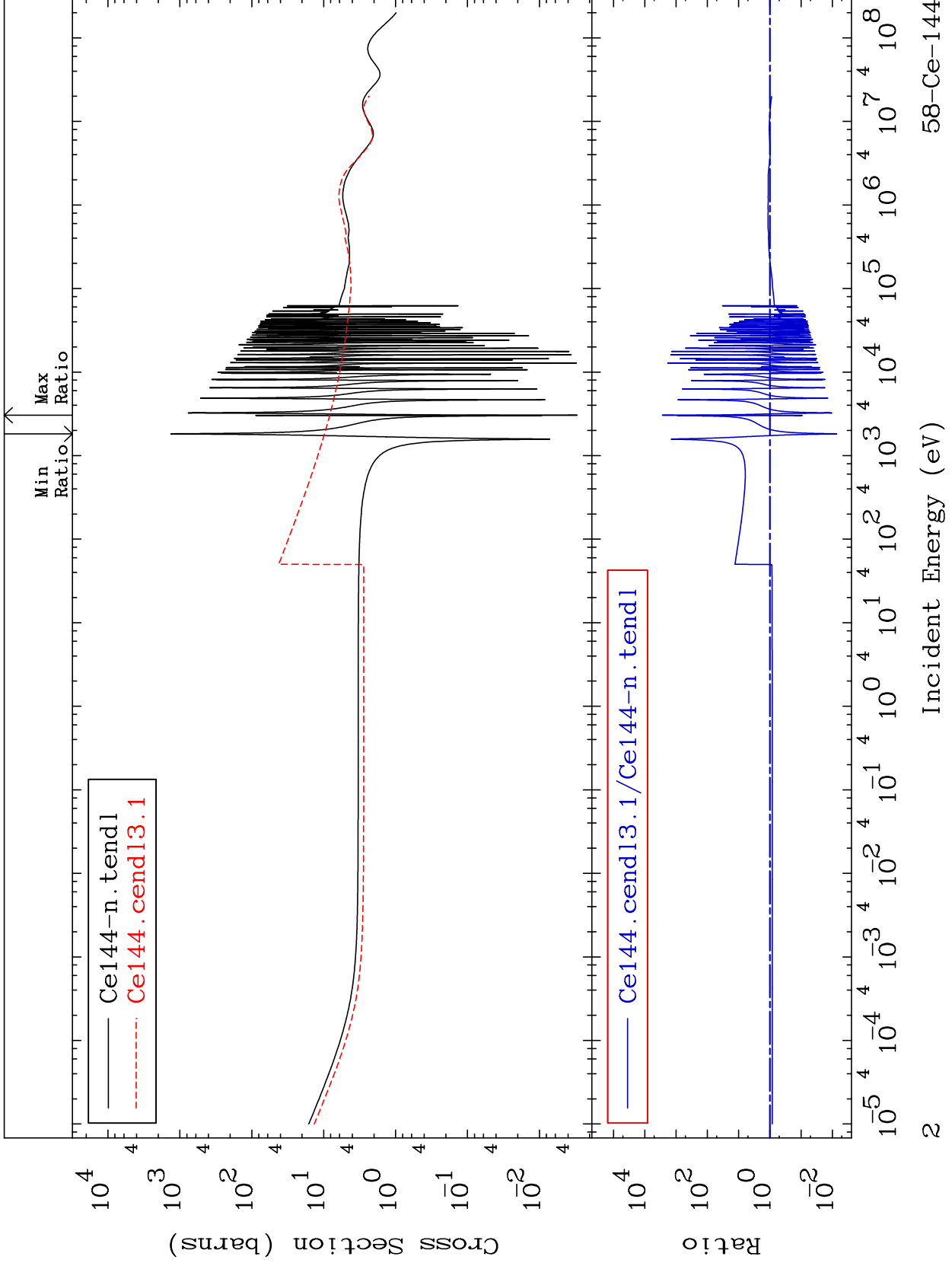
58-Ce-144

Incident Energy (eV)

MAT 5849

Elastic  
Cross Section

58-Ce-144  
-99.27 To 9999. %



58-Ce-144

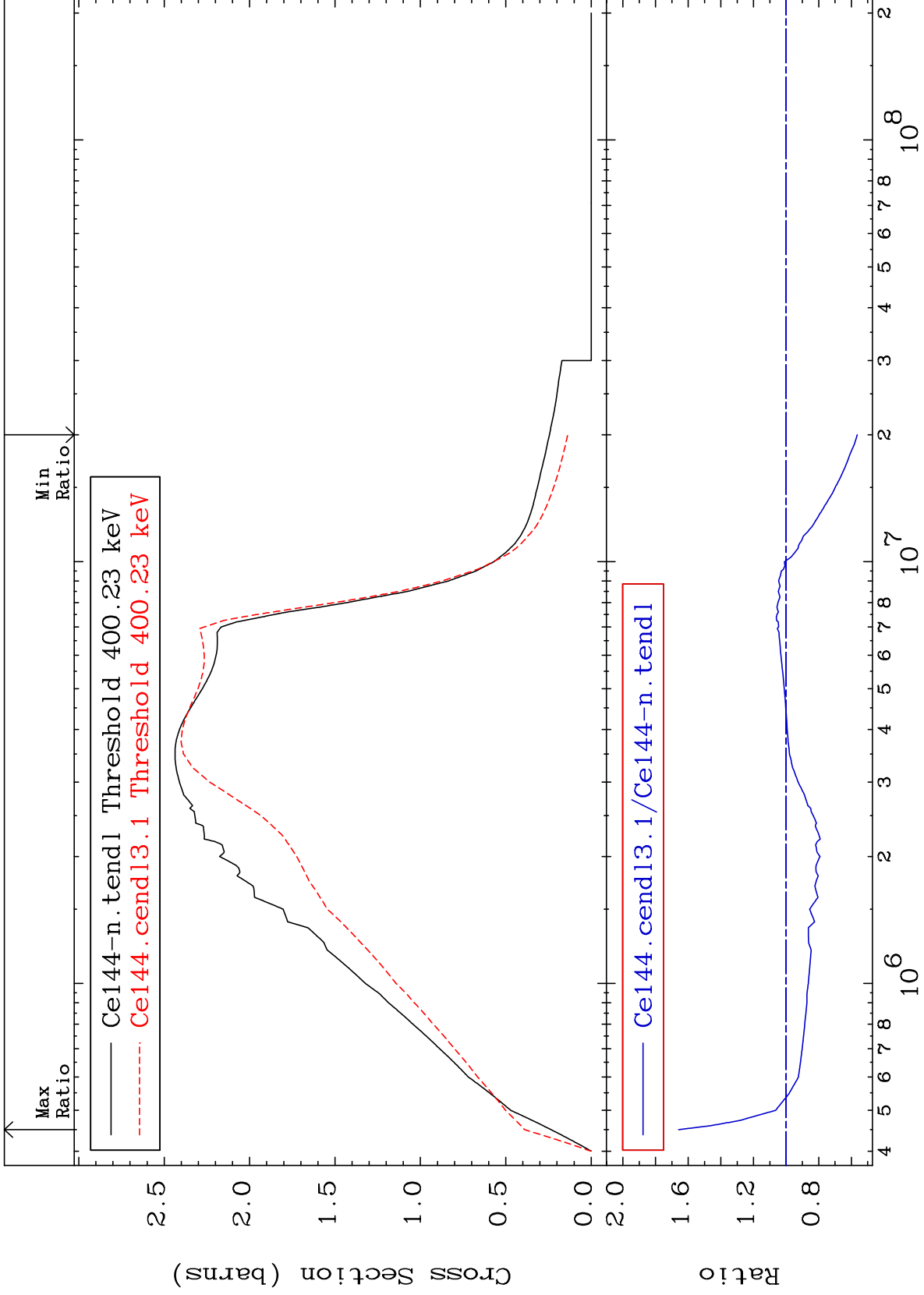
Incident Energy (eV)

2

MAT 5849

Inelastic  
Cross Section

58-Ce-144  
-43.58 To 65.86 %



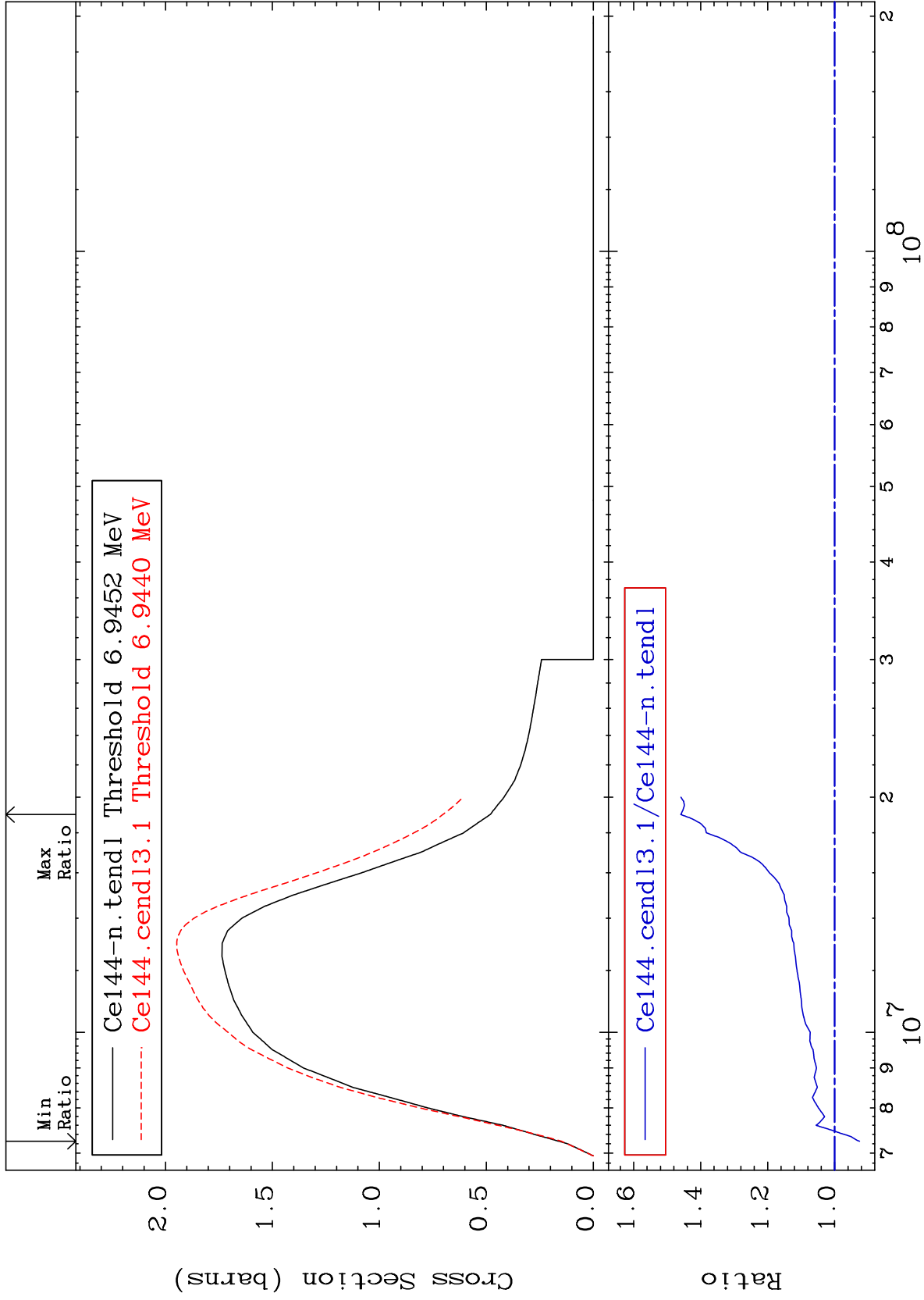
3

58-Ce-144

MAT 5849

(n,2n)  
Cross Section

58-Ce-144  
-7.436 To 45.94 %



4

58-Ce-144

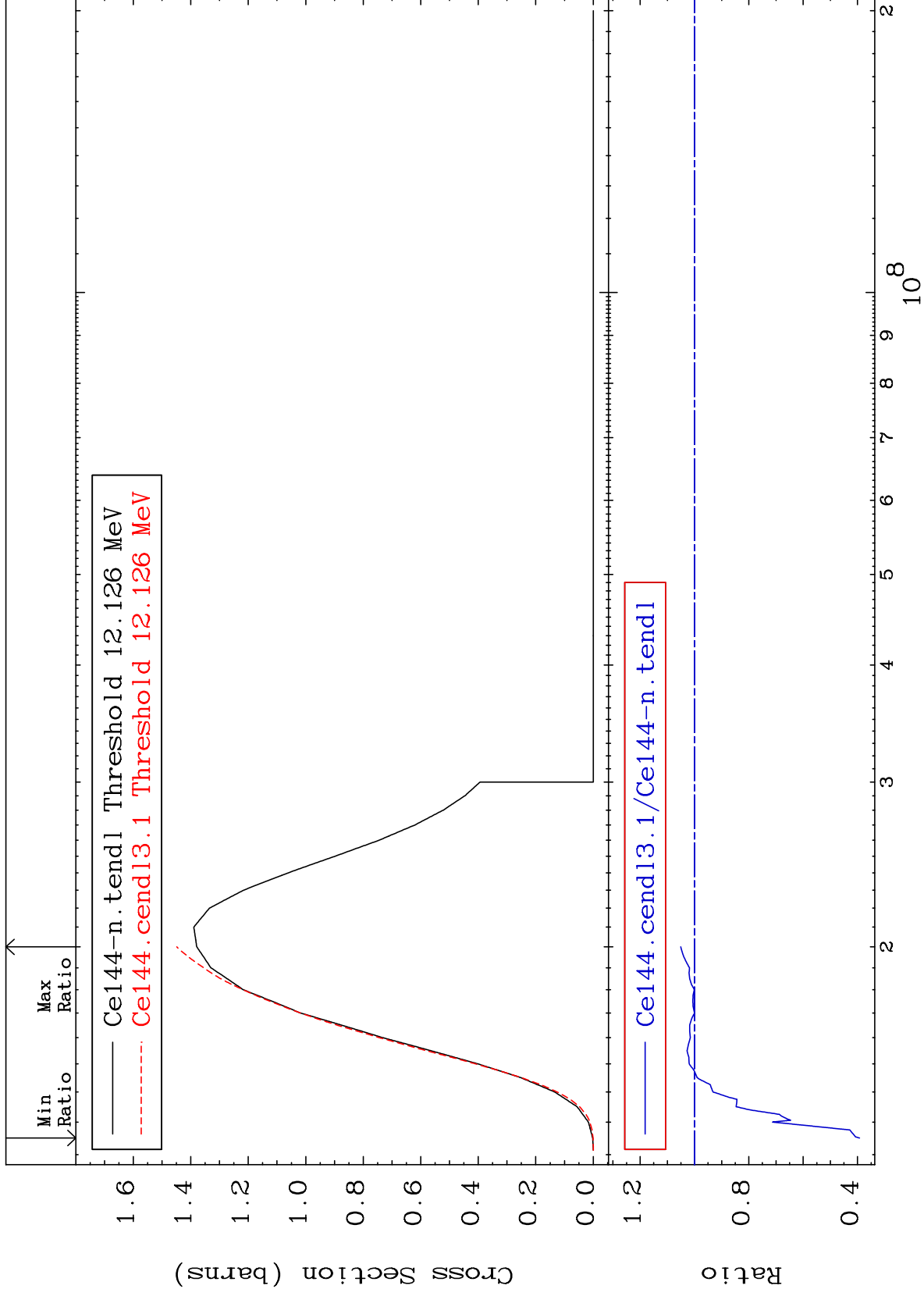
MAT 5849

(n,3n)

58-Ce-144

Cross Section

-60.73 To 5.044 %



5

Incident Energy (eV)

58-Ce-144

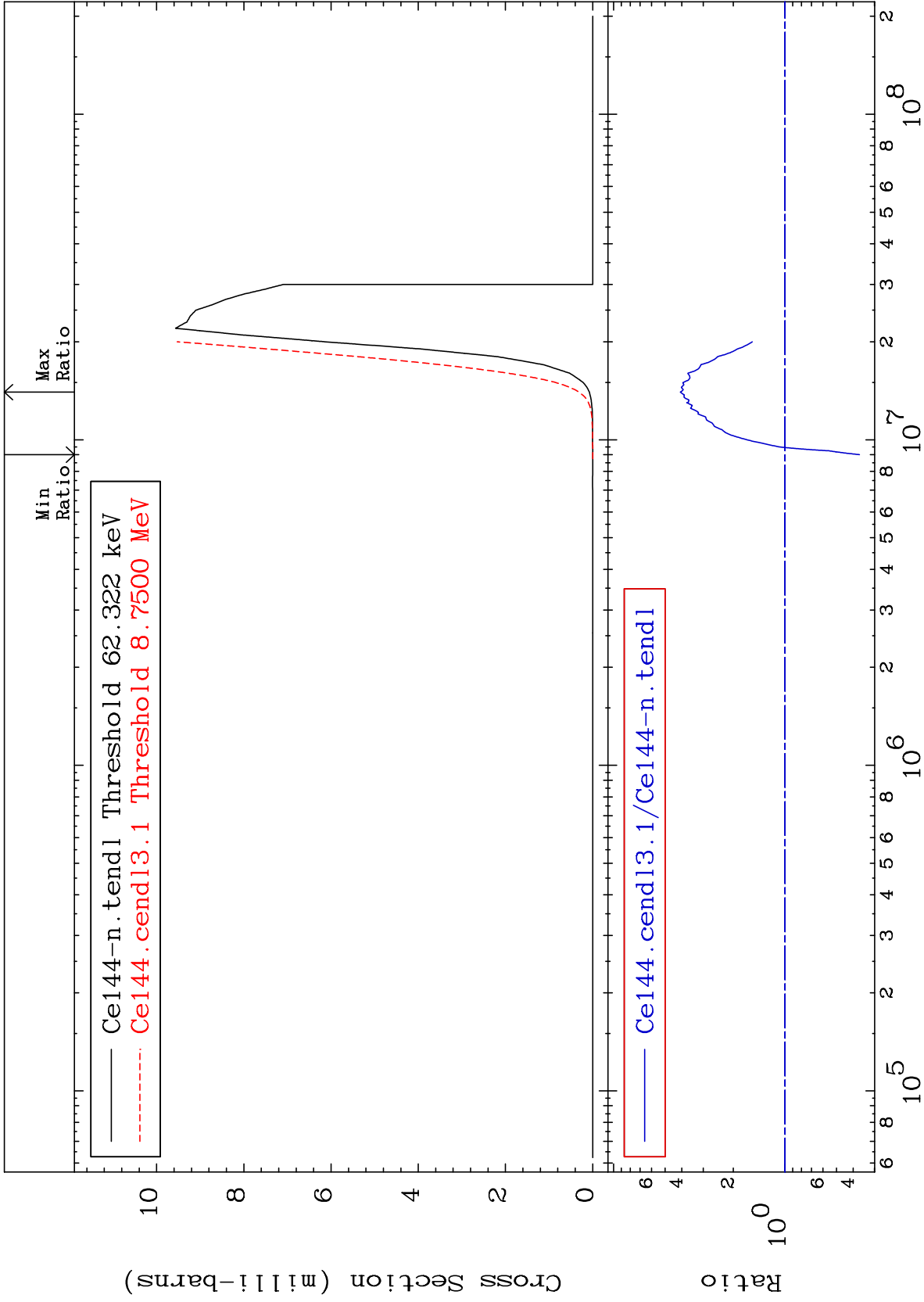
MAT 5849

$(n, n') \alpha$

58-Ce-144

Cross Section

-63.26 To 307.6 %



6

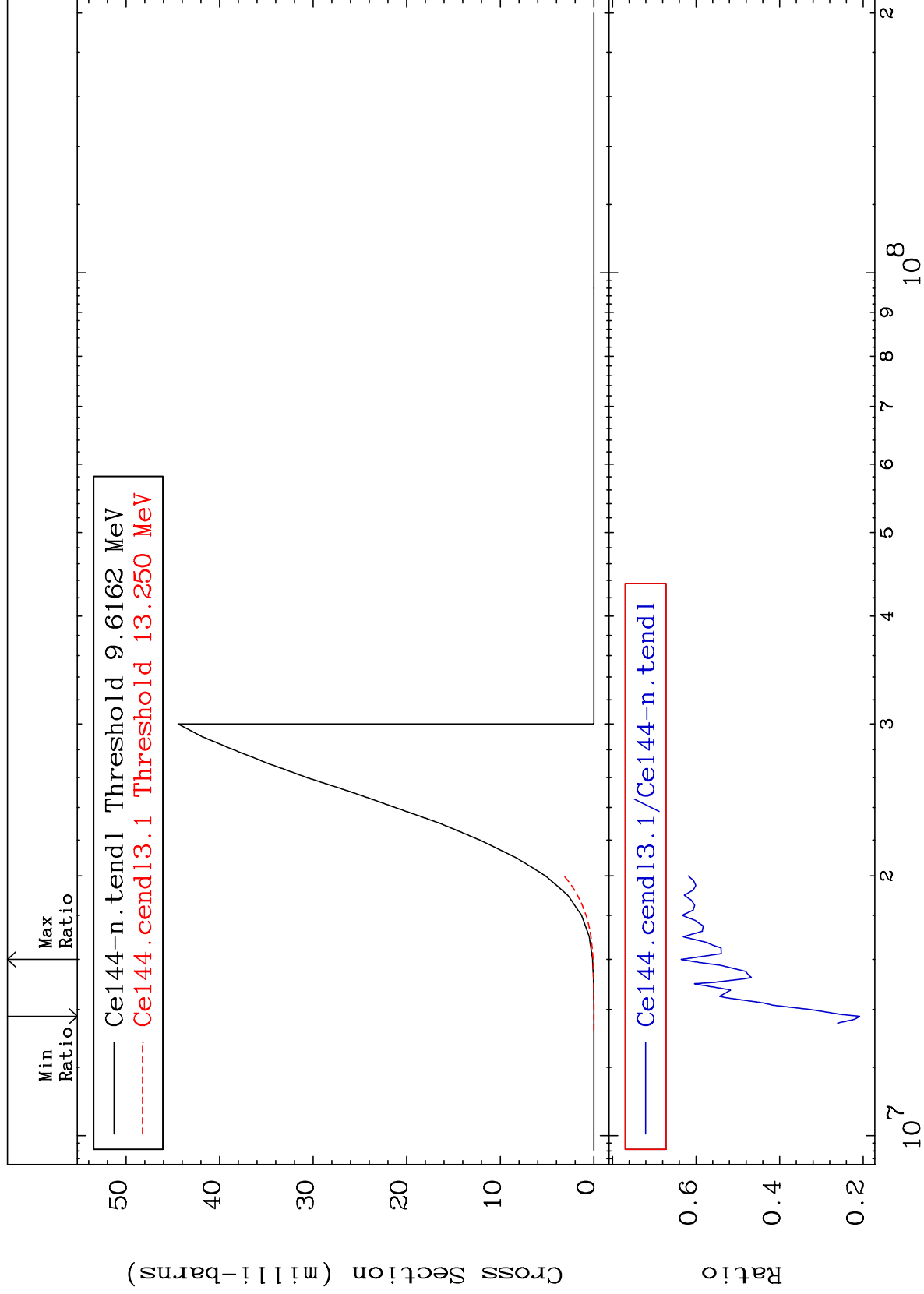
Incident Energy (eV)

58-Ce-144

MAT 5849

(n,n') p  
Cross Section

58-Ce-144  
-79.16 To -36.45%



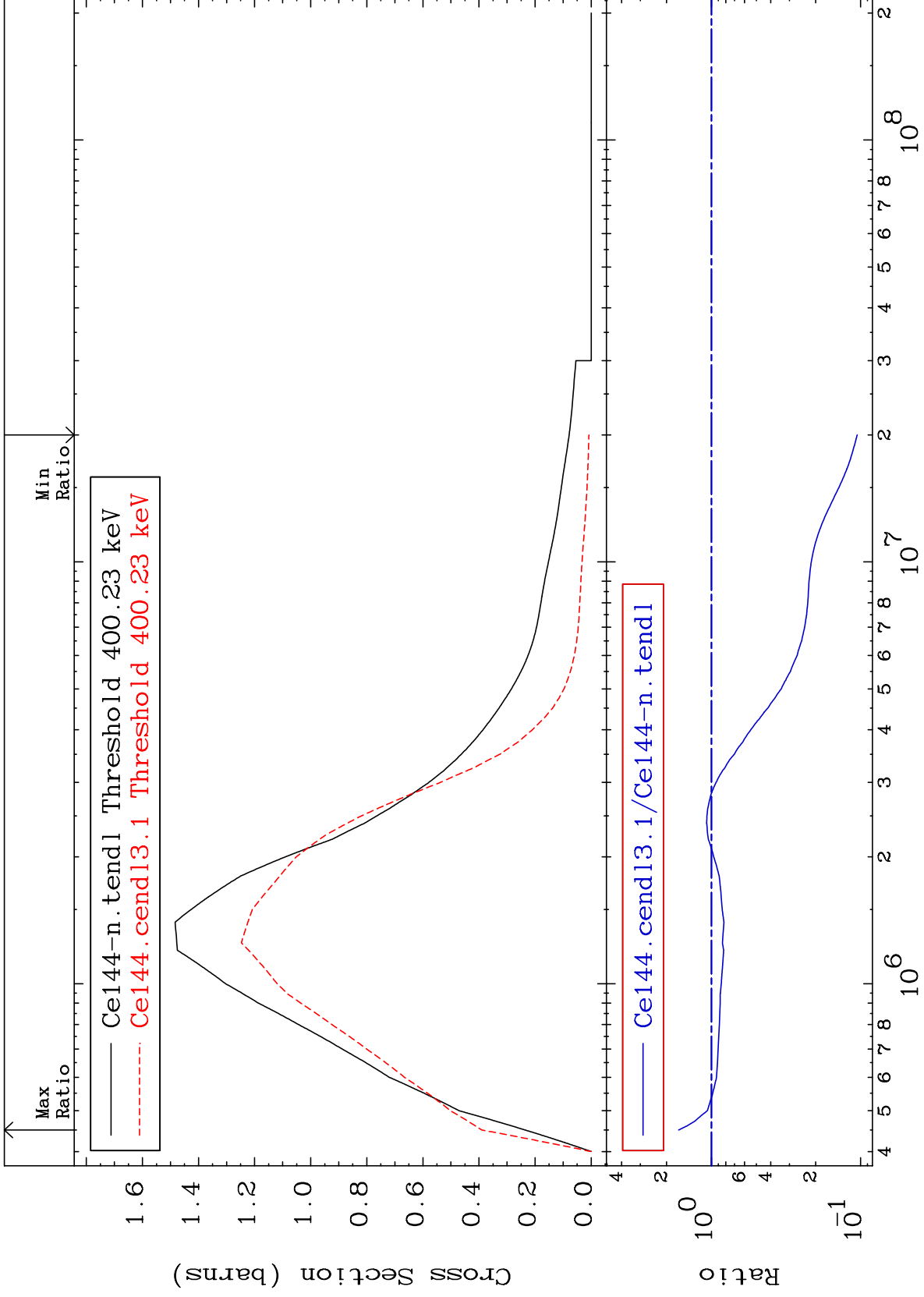
Incident Energy (eV)

58-Ce-144

MAT 5849

397.4 keV (n,n') Level  
Cross Section

58-Ce-144  
-89.46 To 65.86 %



8

Incident Energy (eV)

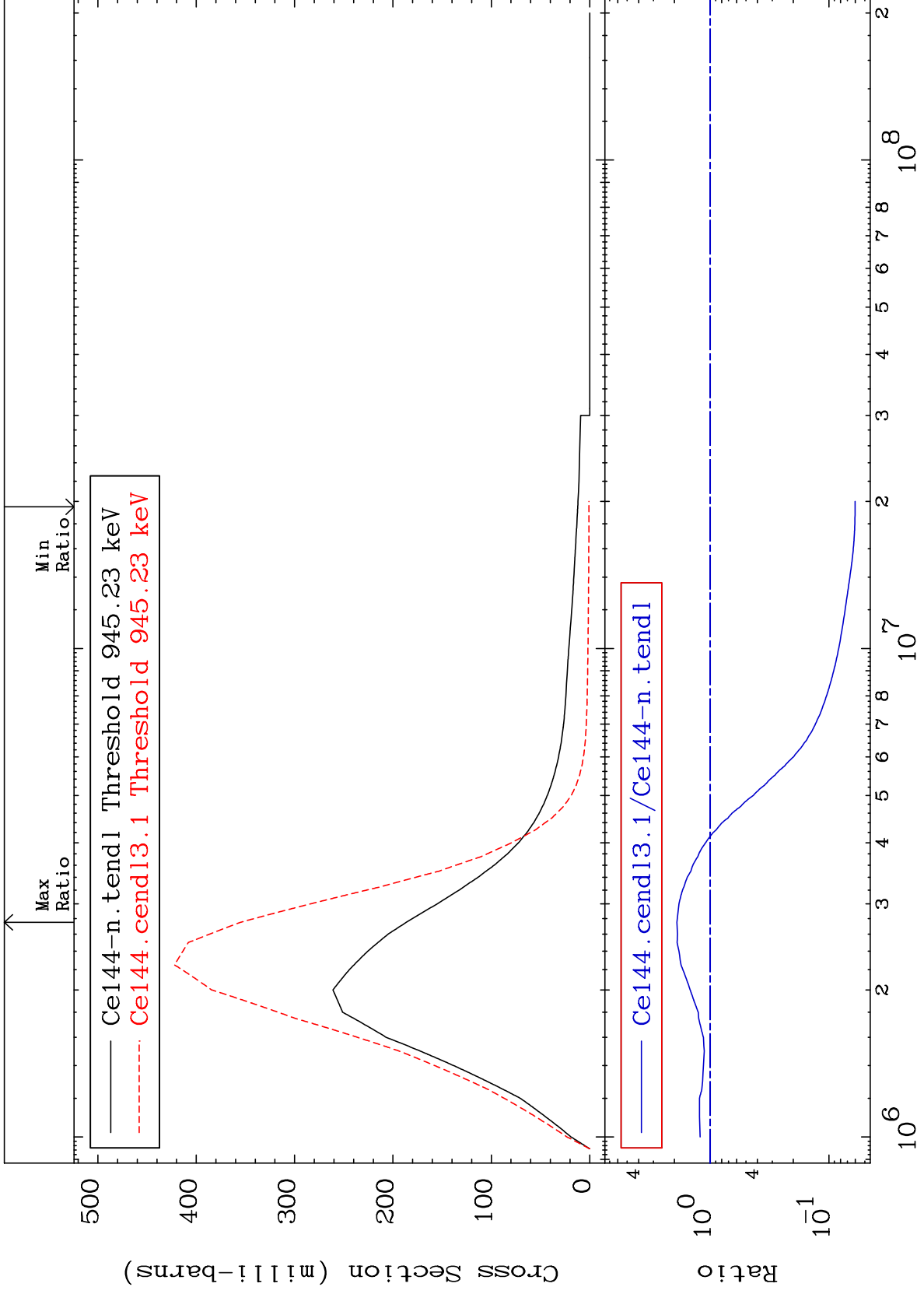
58-Ce-144



MAT 5849

938.7 keV (n,n') Level  
Cross Section

58-Ce-144  
-93.97 To 90.47 %



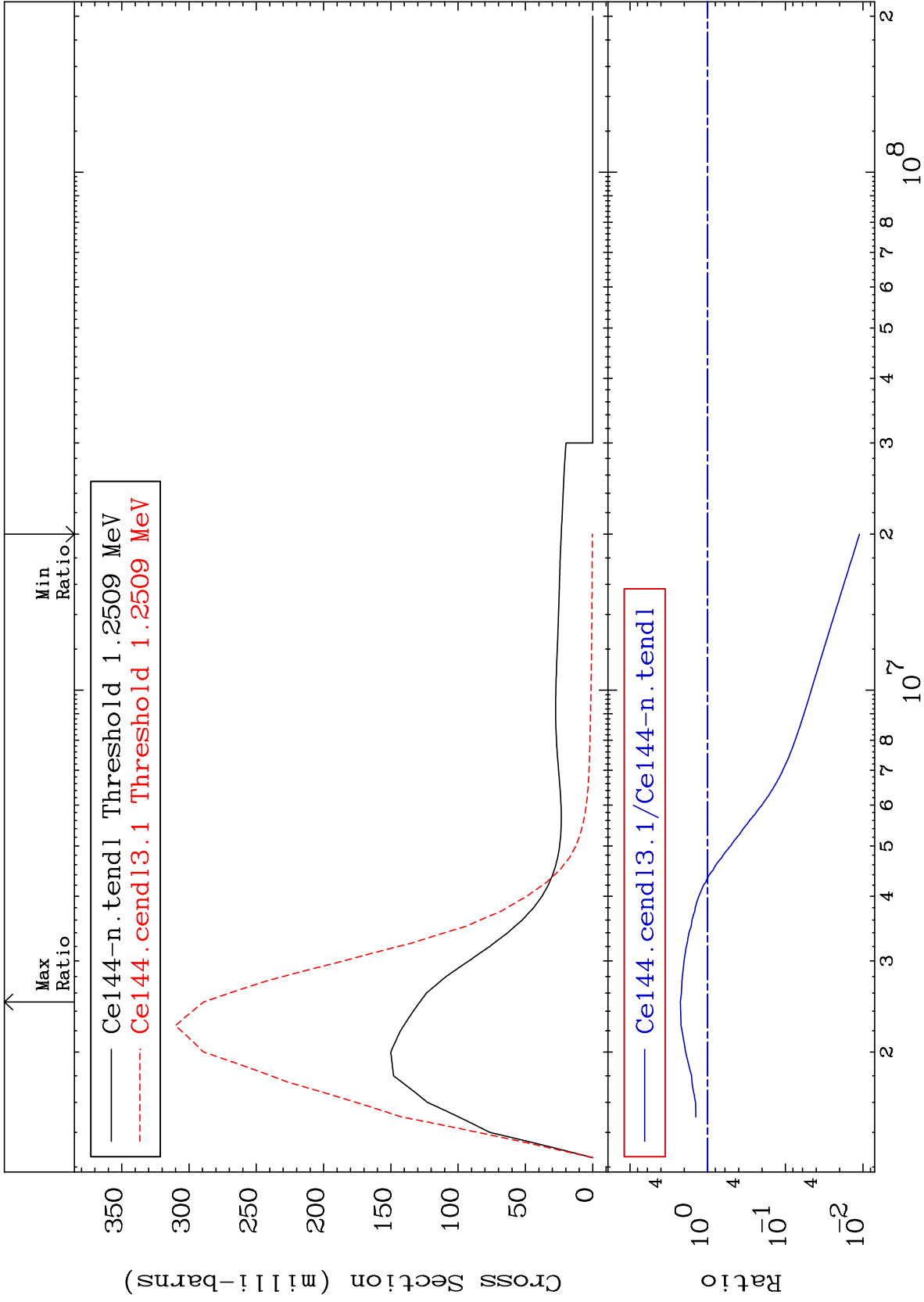
Incident Energy (eV)

58-Ce-144

MAT 5849

1.242 MeV (n,n') Level  
Cross Section

58-Ce-144  
-98.89 To 125.0 %



10

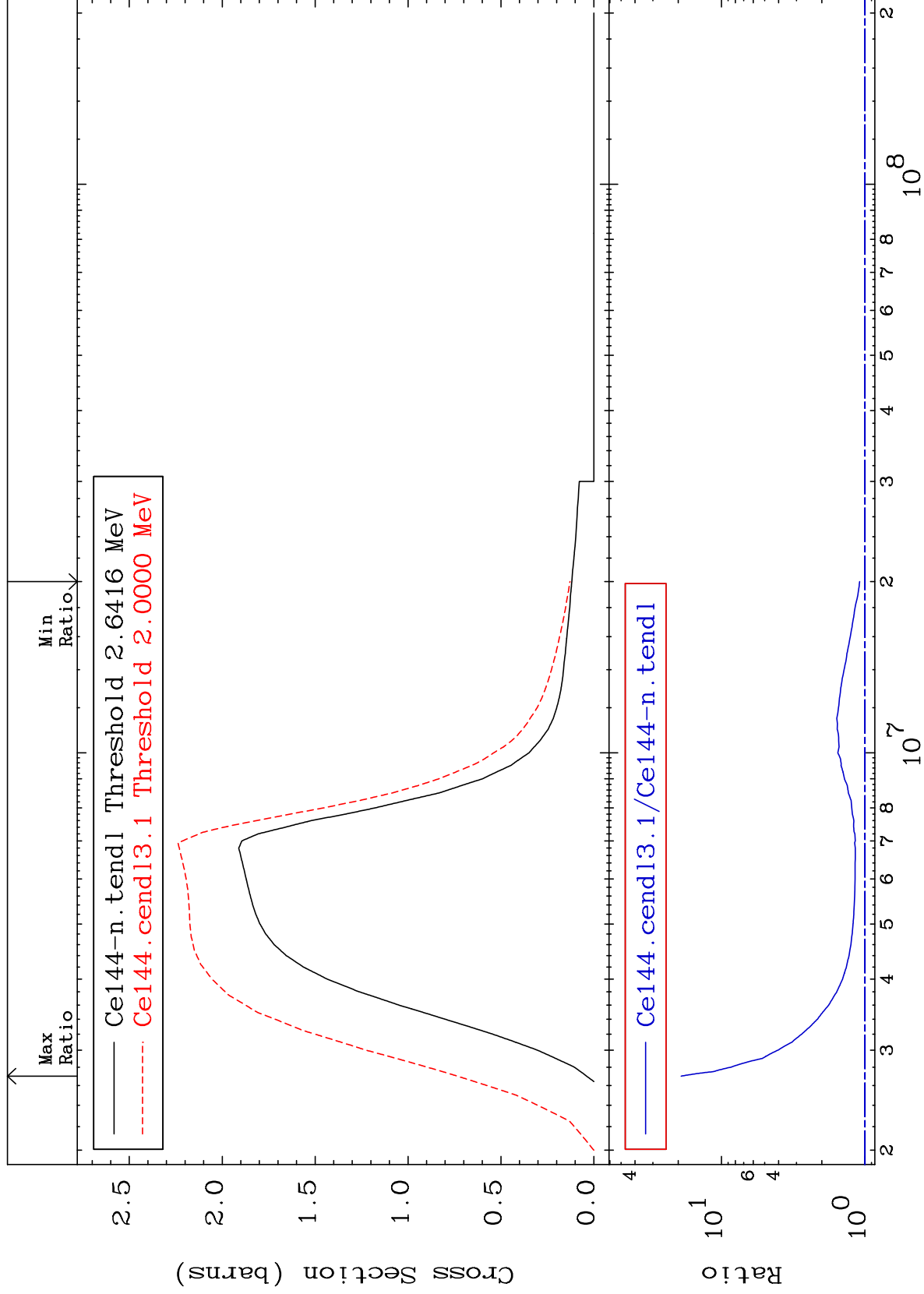
Incident Energy (eV)

58-Ce-144

MAT 5849

(n, n') Continuum  
Cross Section

58-Ce-144  
8.860 To 1808. %



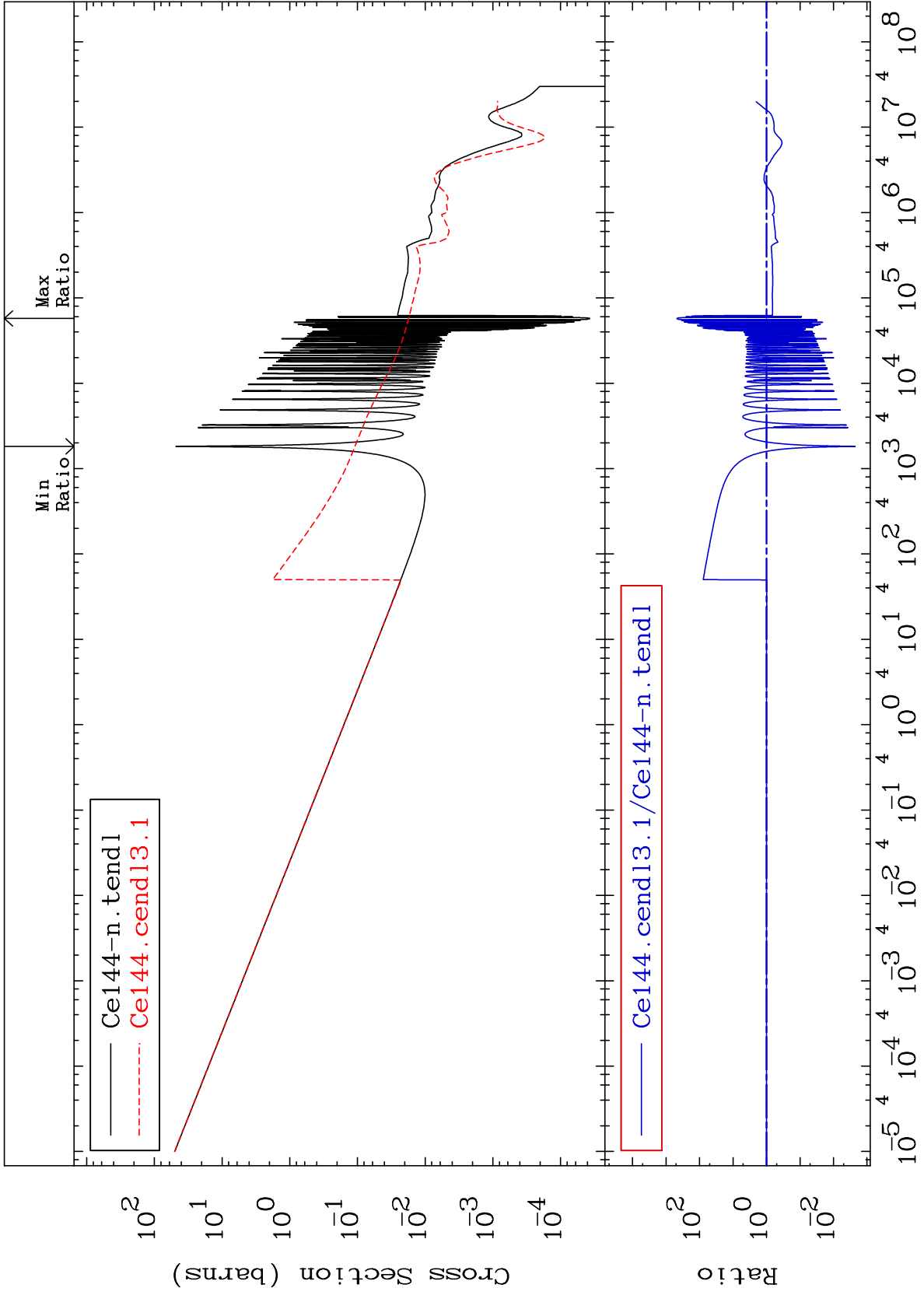
11

58-Ce-144

MAT 5849

(n,  $\gamma$ )  
Cross Section

58-Ce-144  
-99.77 To 9999. %



12

Incident Energy (eV)

58-Ce-144

MAT 5849

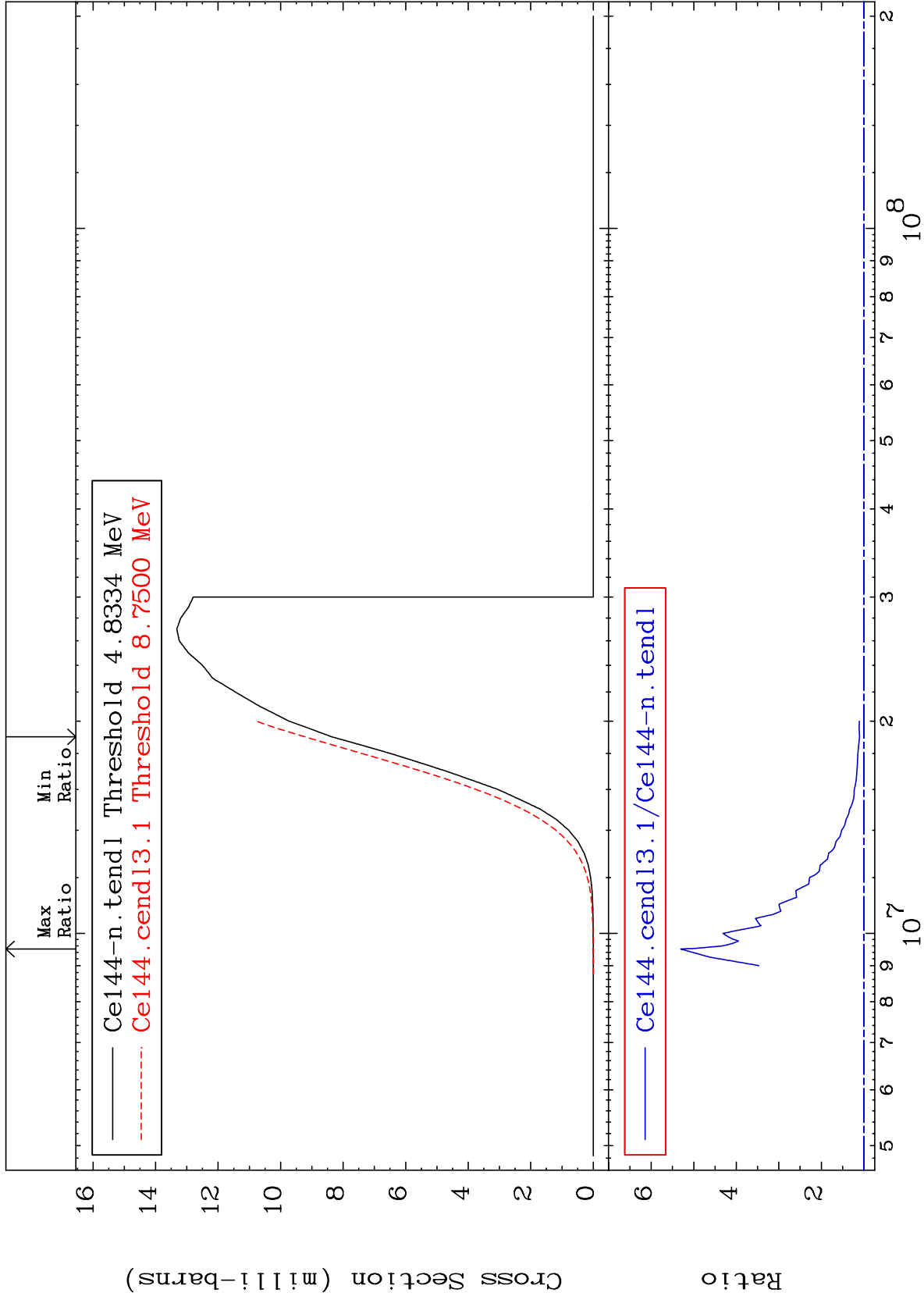
(n,p)

58-Ce-144

Cross Section

10.23

To 430.5 %



13

Incident Energy (eV)

58-Ce-144

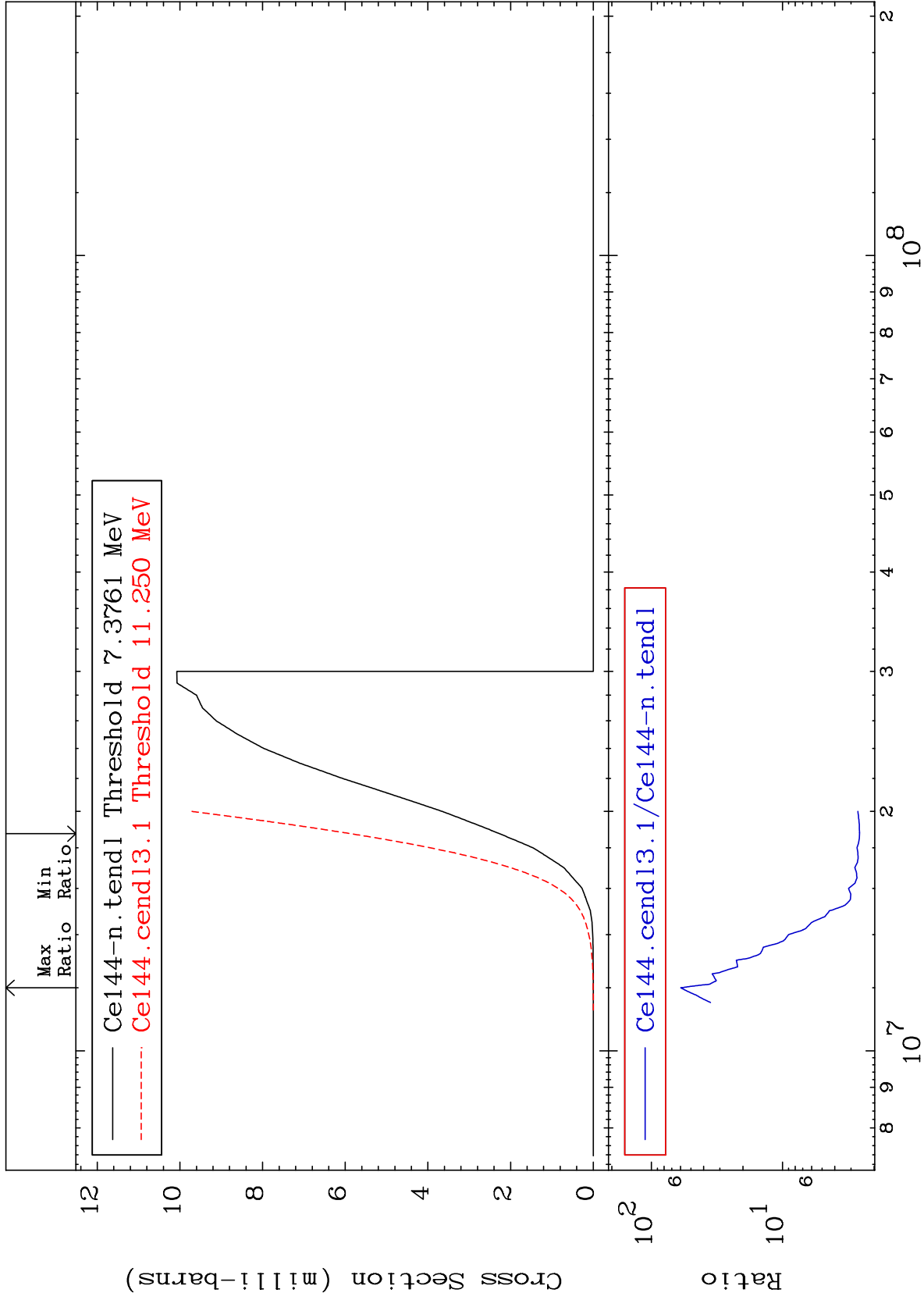
MAT 5849

(n, d)

58-Ce-144

Cross Section

158.5 To 5869. %



14

58-Ce-144

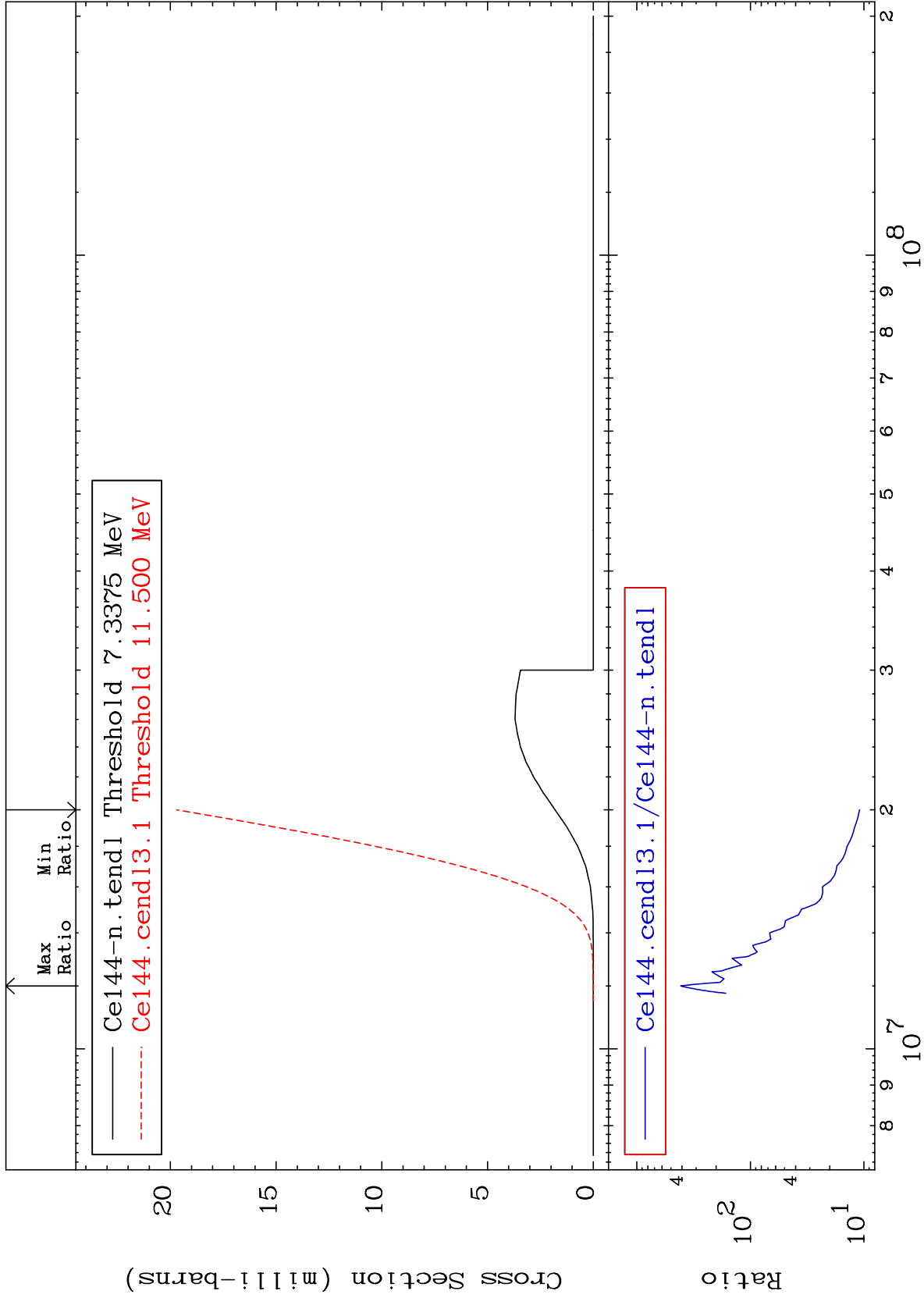
MAT 5849

(n, t)

58-Ce-144

Cross Section

992.0 To 9999. %



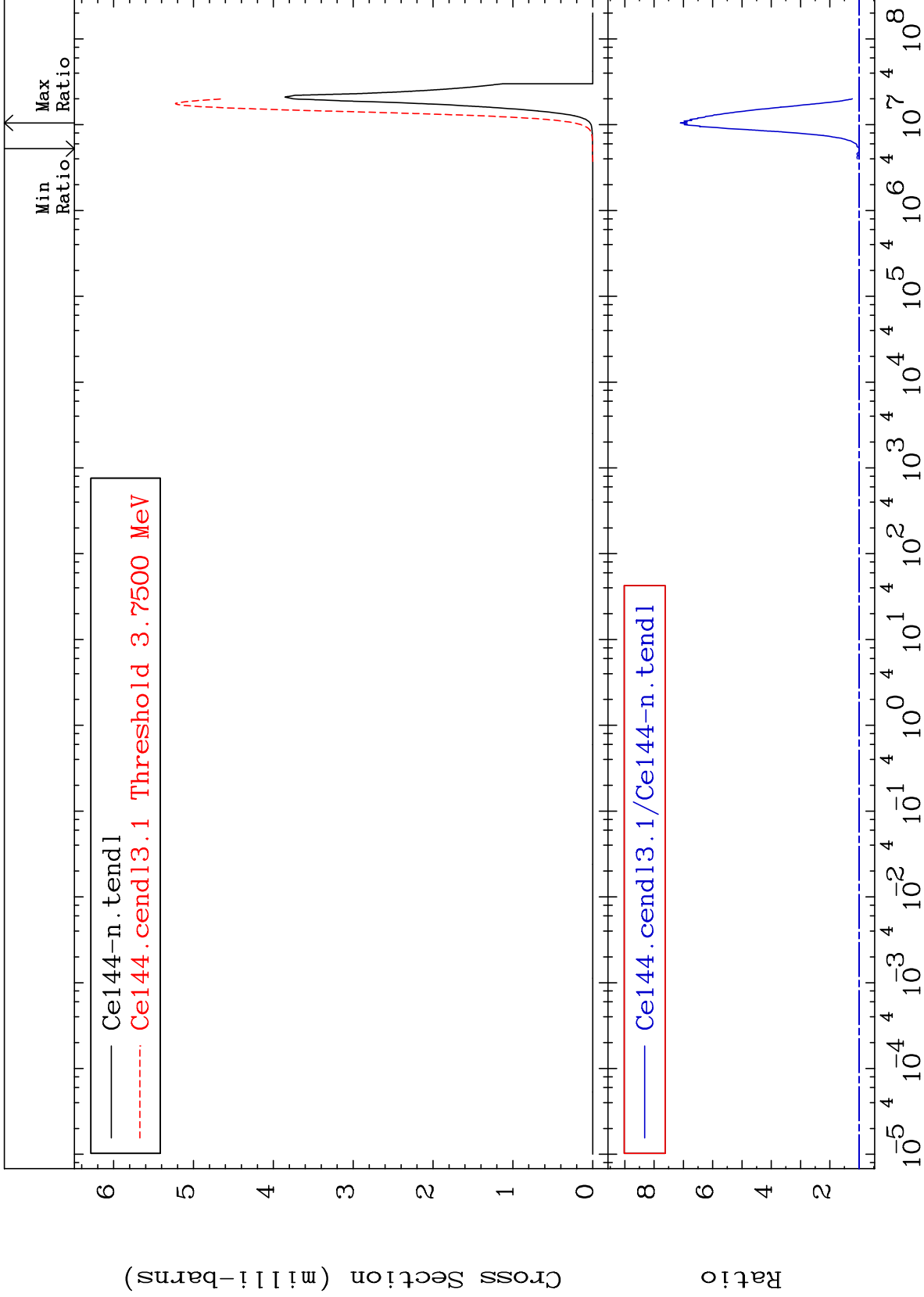
15

58-Ce-144

MAT 5849

(n,  $\alpha$ )  
Cross Section

58-Ce-144  
-1.084 To 610.3 %



16 Incident Energy (eV)

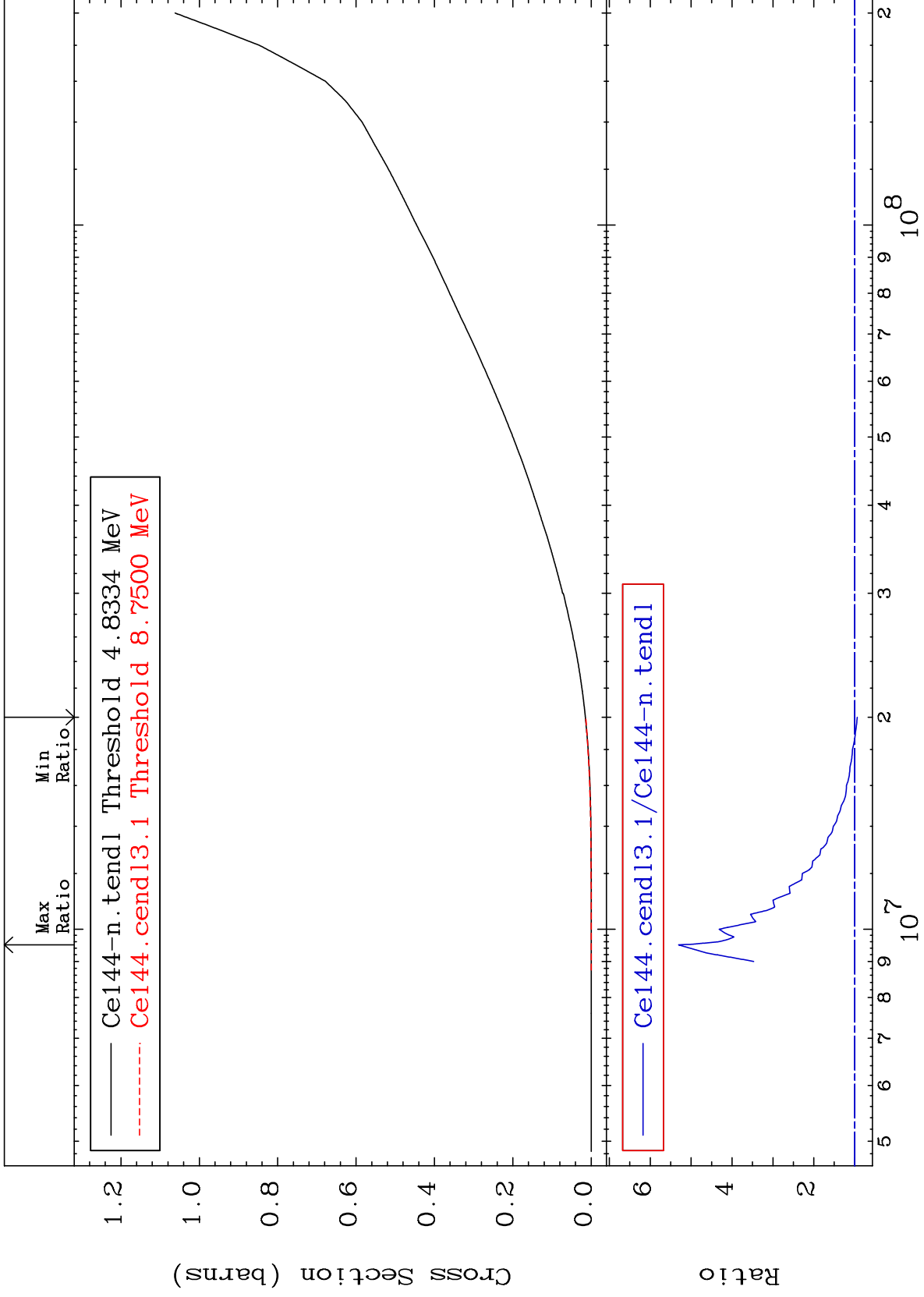
58-Ce-144



MAT 5849

Hydrogen Production  
Cross Section

58-Ce-144  
-6.212 To 430.5 %



17

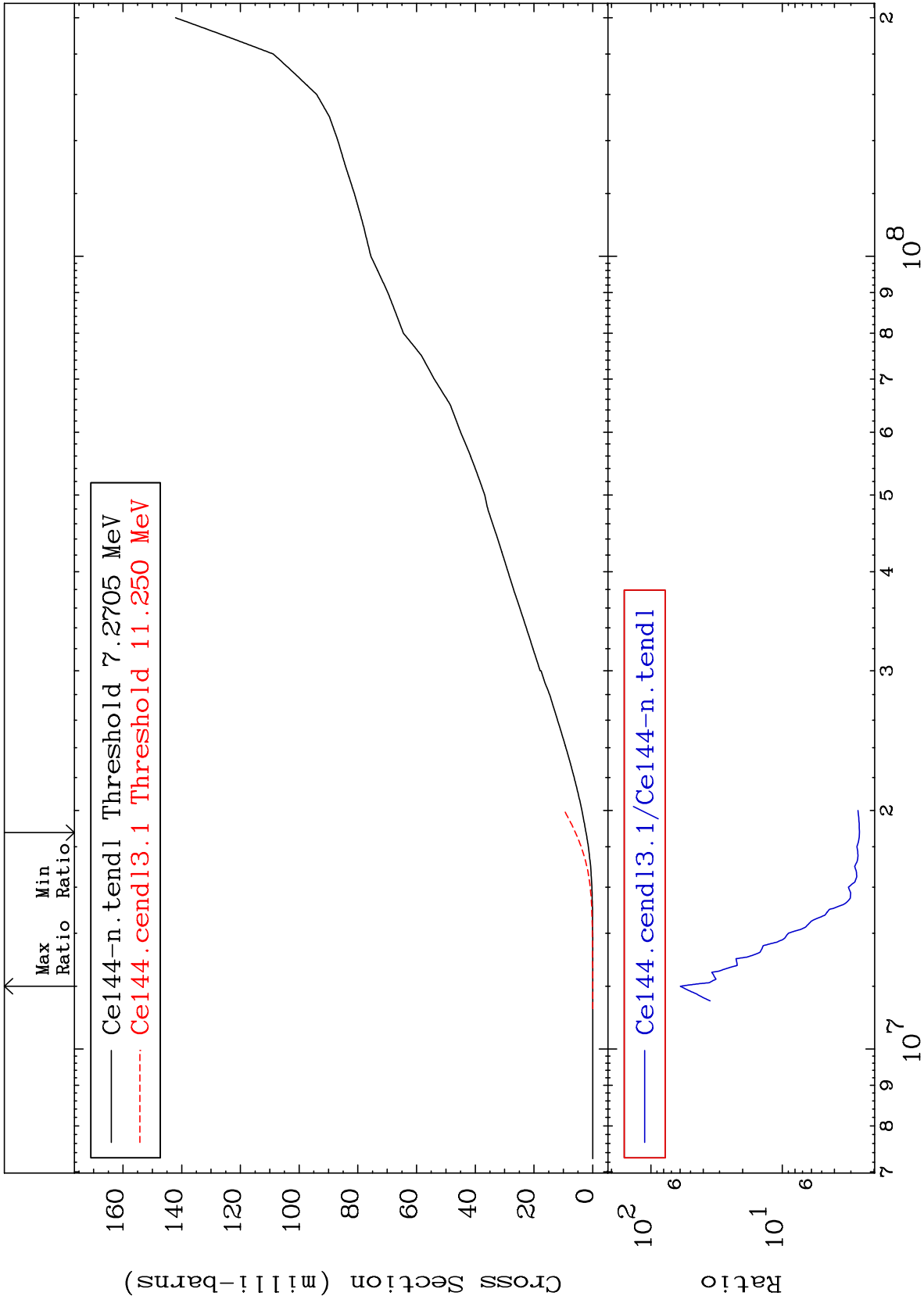
Incident Energy (eV)

58-Ce-144

MAT 5849

Deuterium Production  
Cross Section

58-Ce-144  
158.3 To 5869. %



18

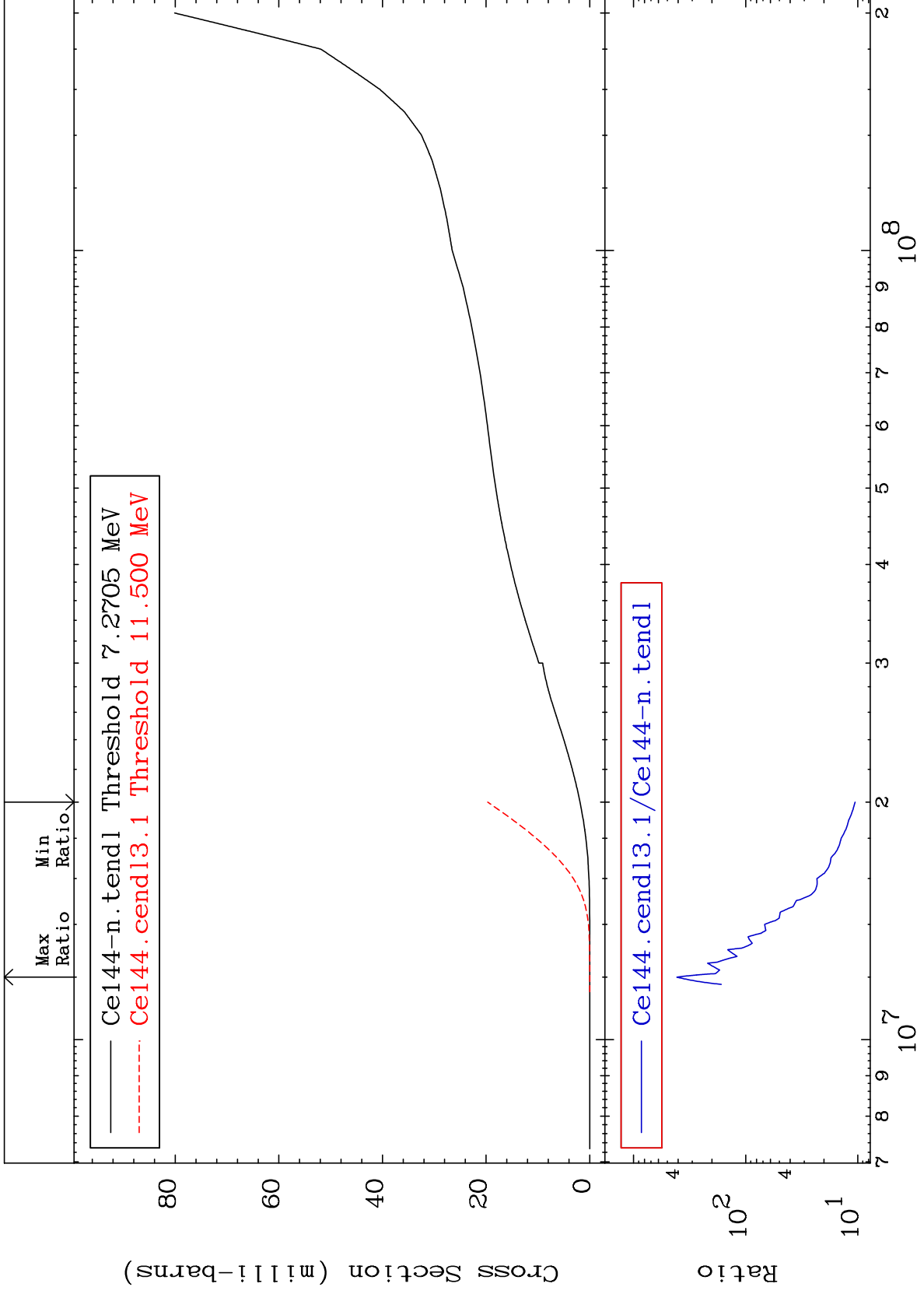
Incident Energy (eV)

58-Ce-144

MAT 5849

Tritium Production  
Cross Section

58-Ce-144  
955.8 To 9999. %



19

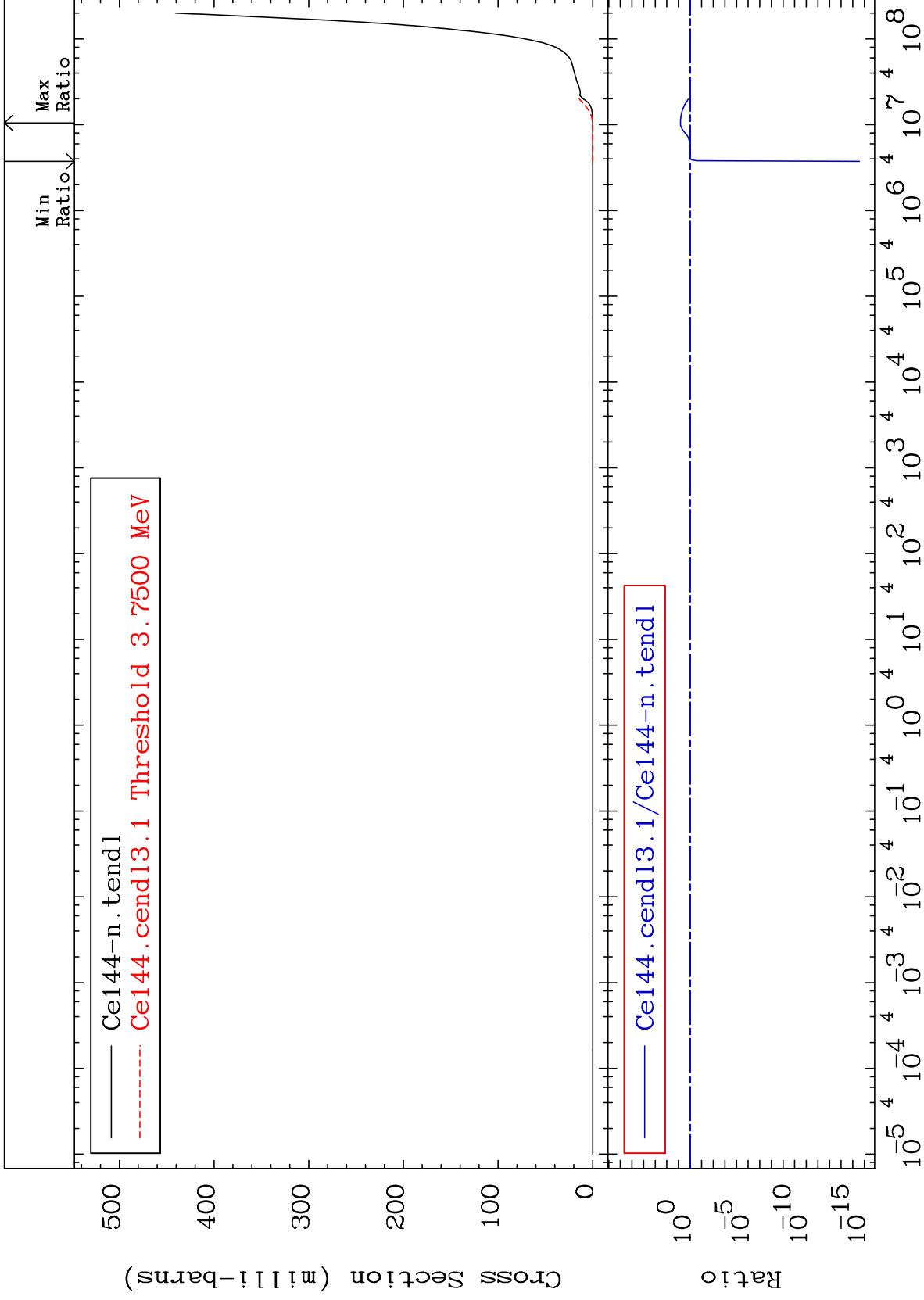
Incident Energy (eV)

58-Ce-144

MAT 5849

He-4 Production  
Cross Section

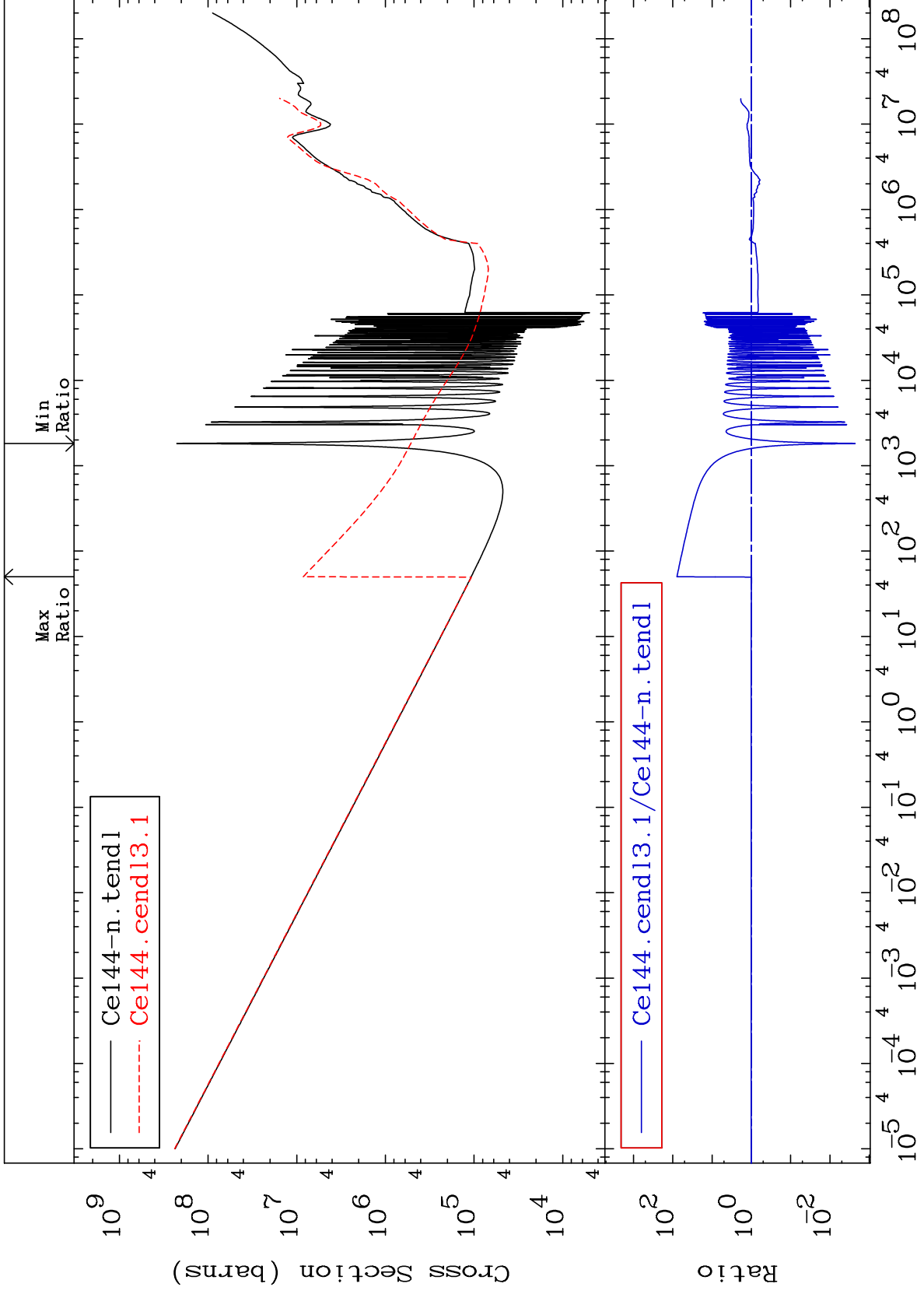
58-Ce-144  
-100.0 To 583.5 %



20

Incident Energy (eV)

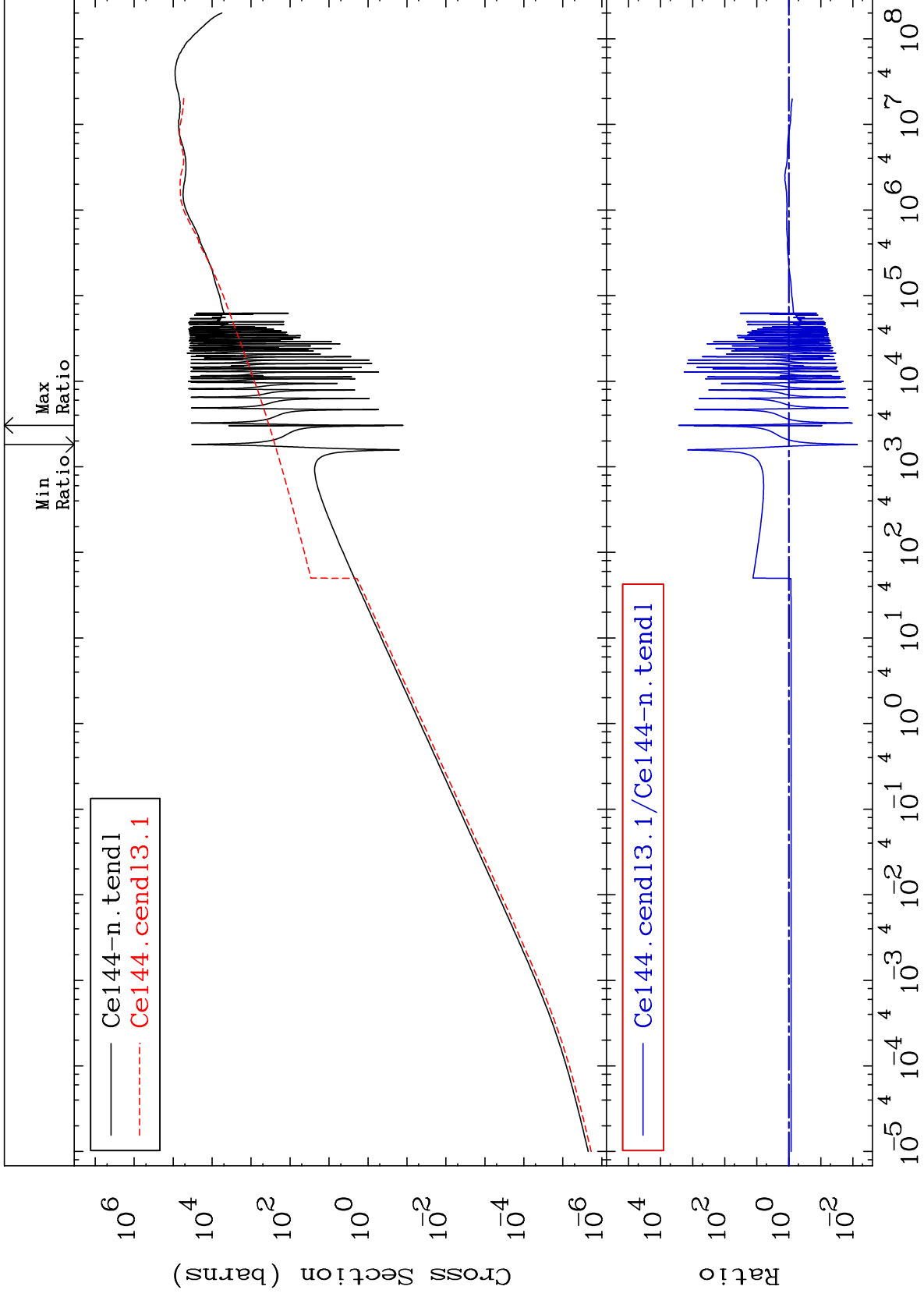
58-Ce-144

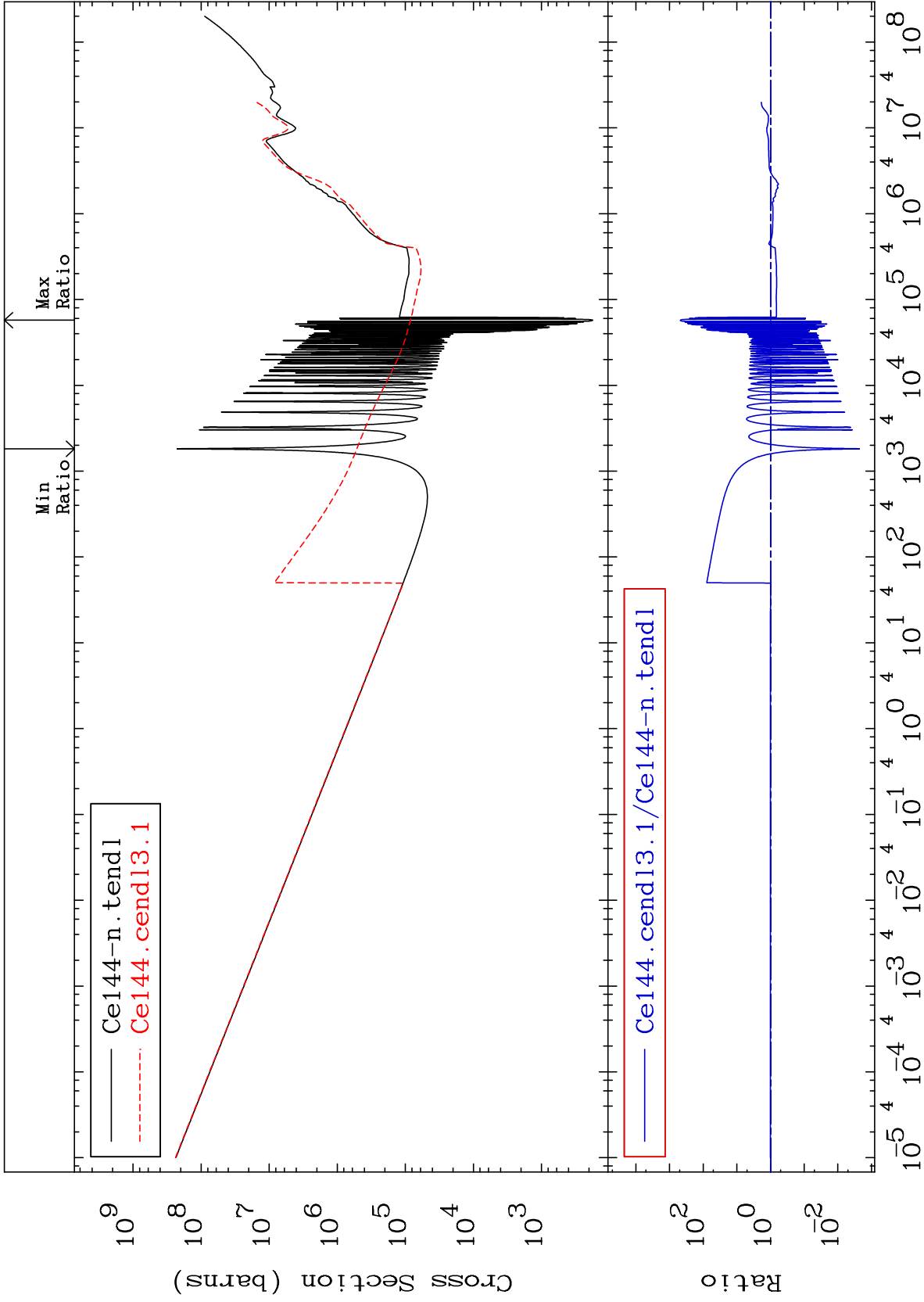


MAT 5849

Kerma elastic  
Cross Section

58-Ce-144  
-99.27 To 9999. %

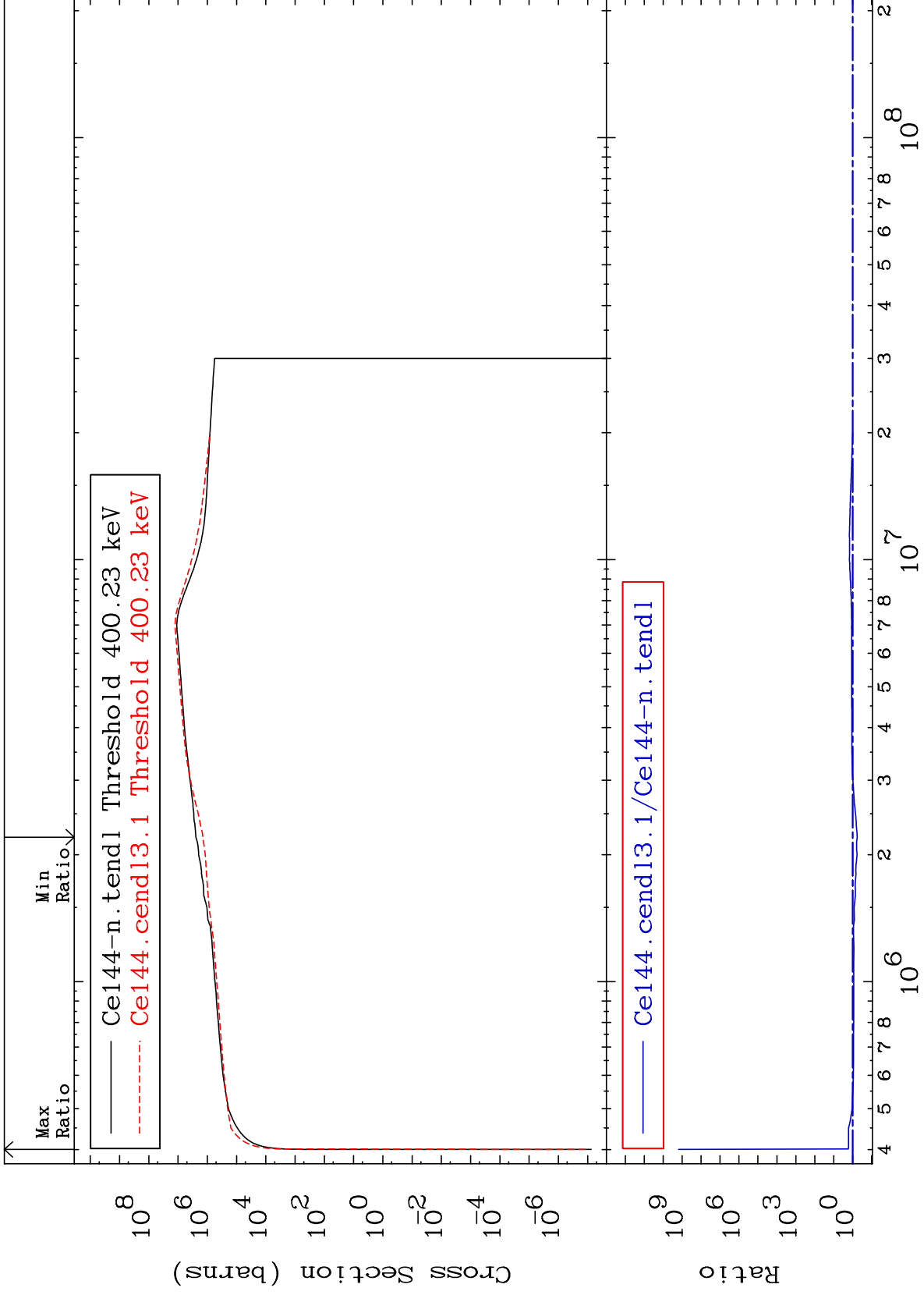




MAT 5849

Kerma inelastic (mt51-91)  
Cross Section

58-Ce-144  
-42.78 To 9999. %

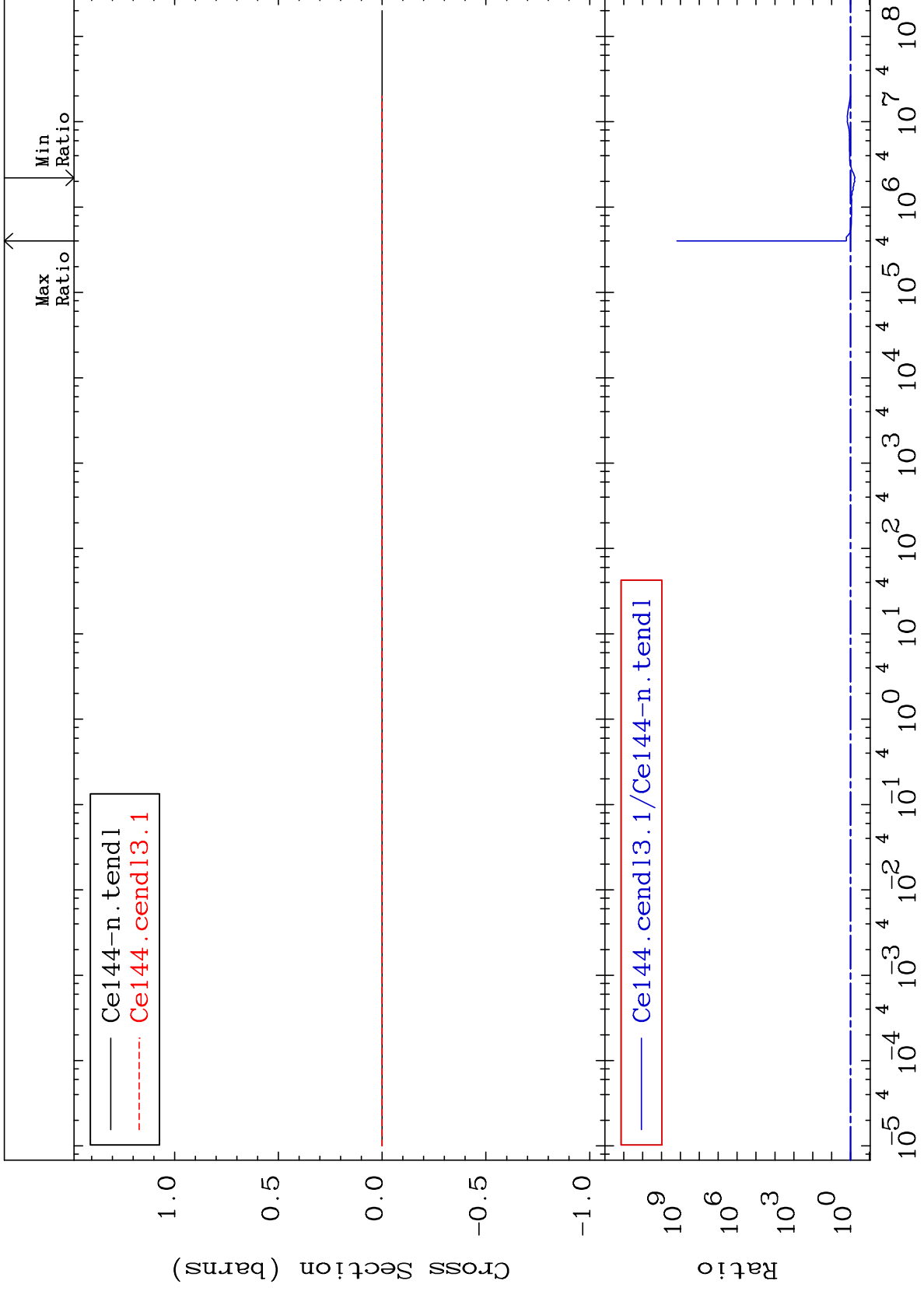




MAT 5849

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

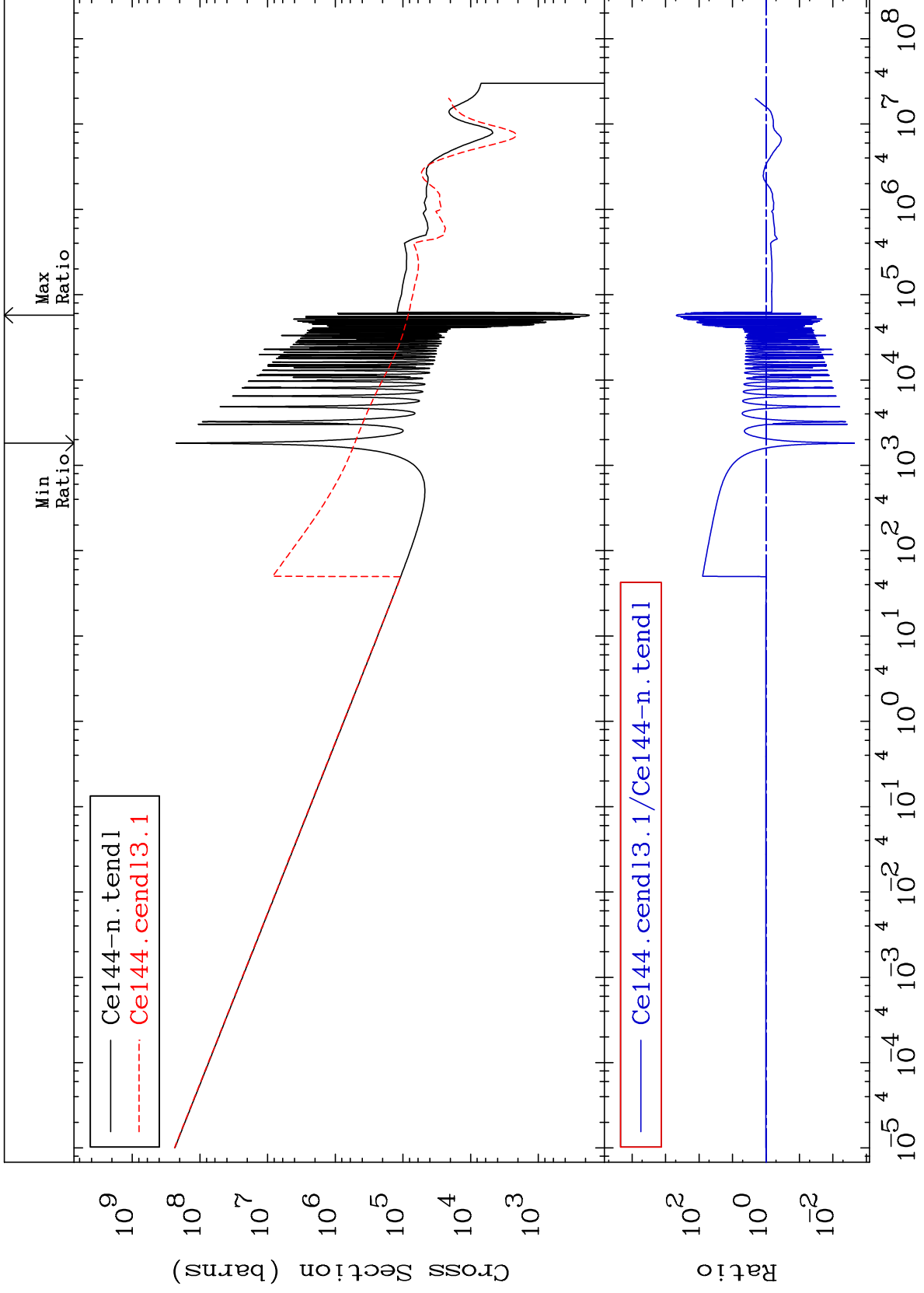
58-Ce-144  
-42.78 To 9999. %



MAT 5849

Kerma capture (mt102)  
Cross Section

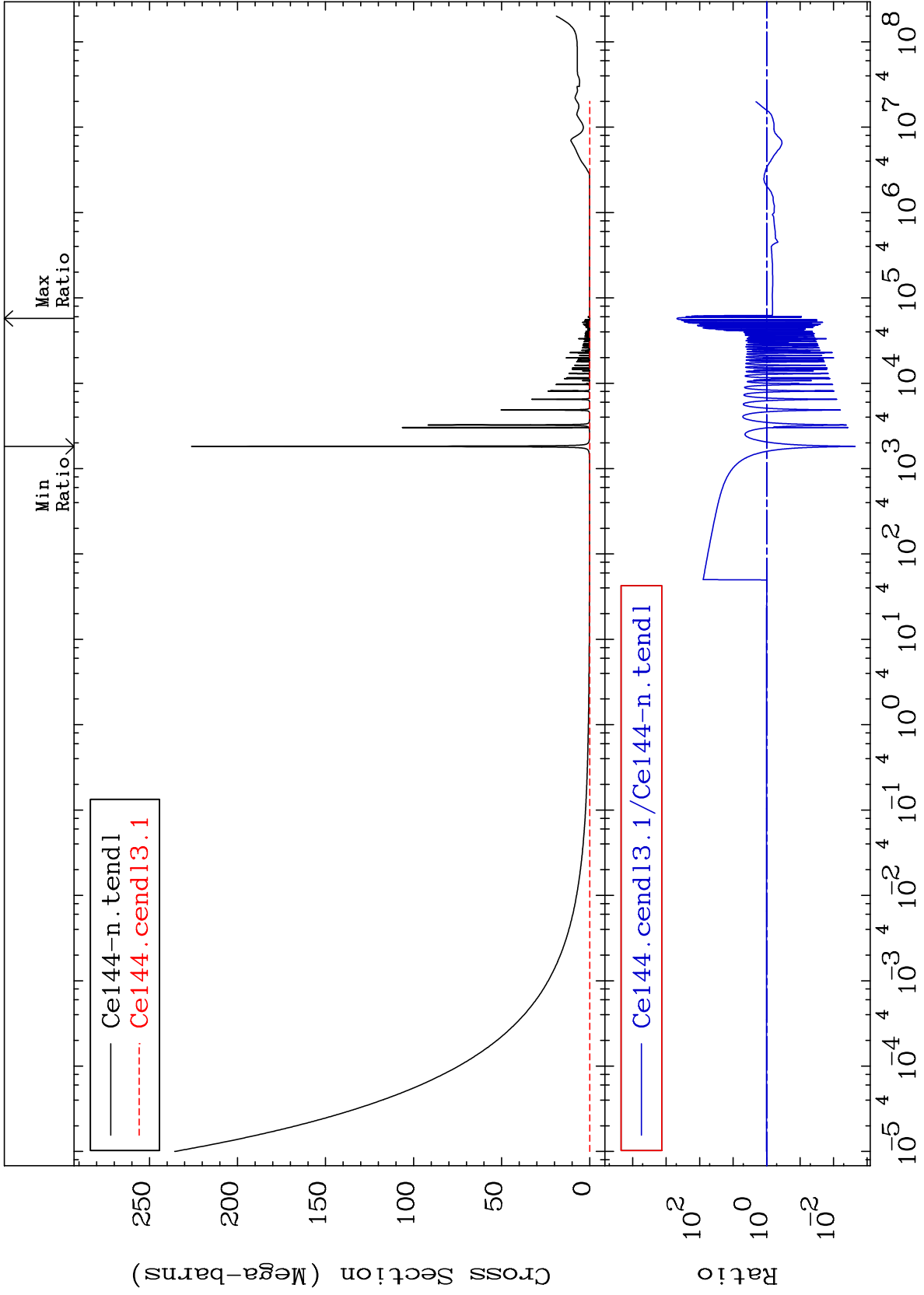
58-Ce-144  
-99.77 To 9999. %

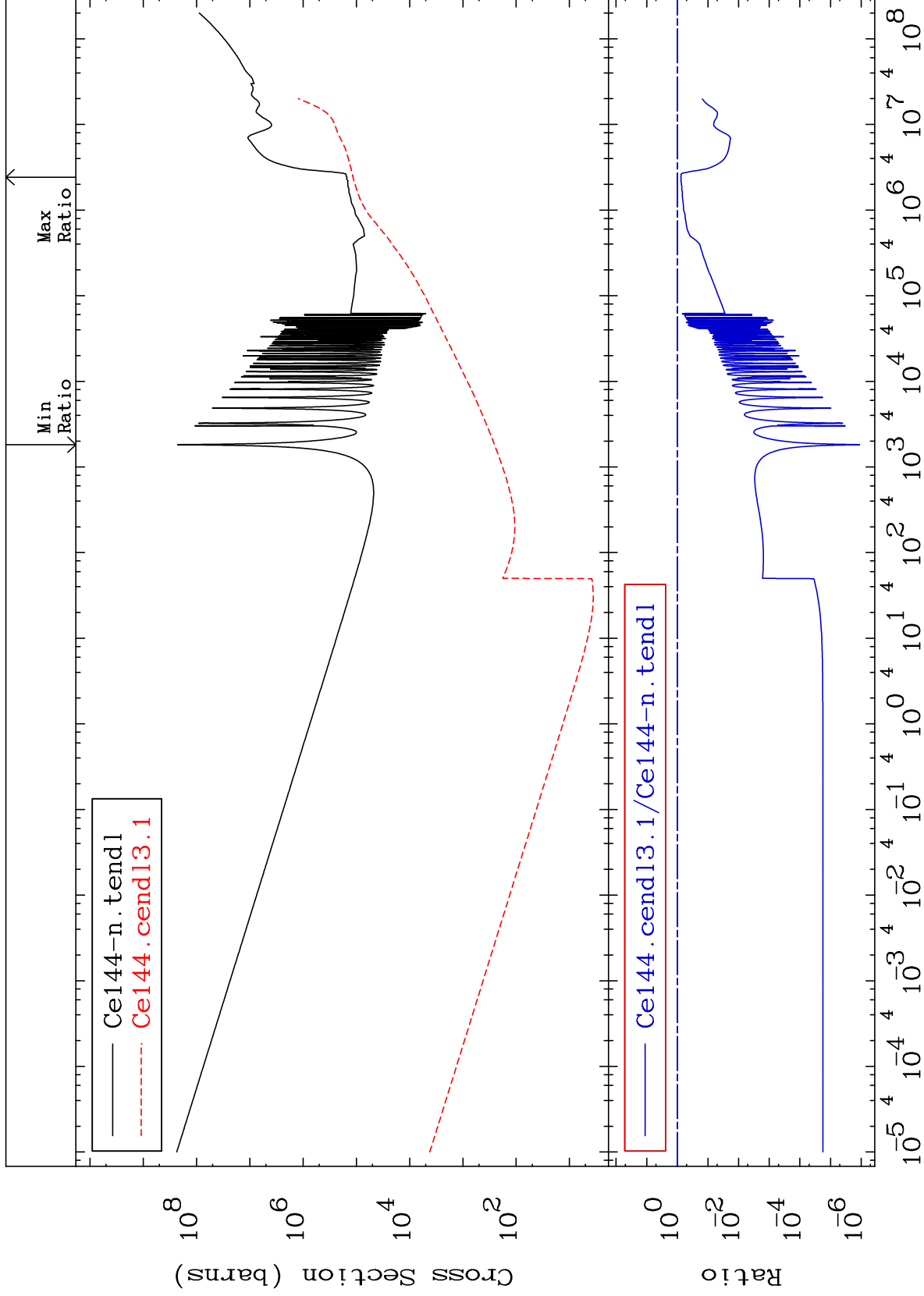


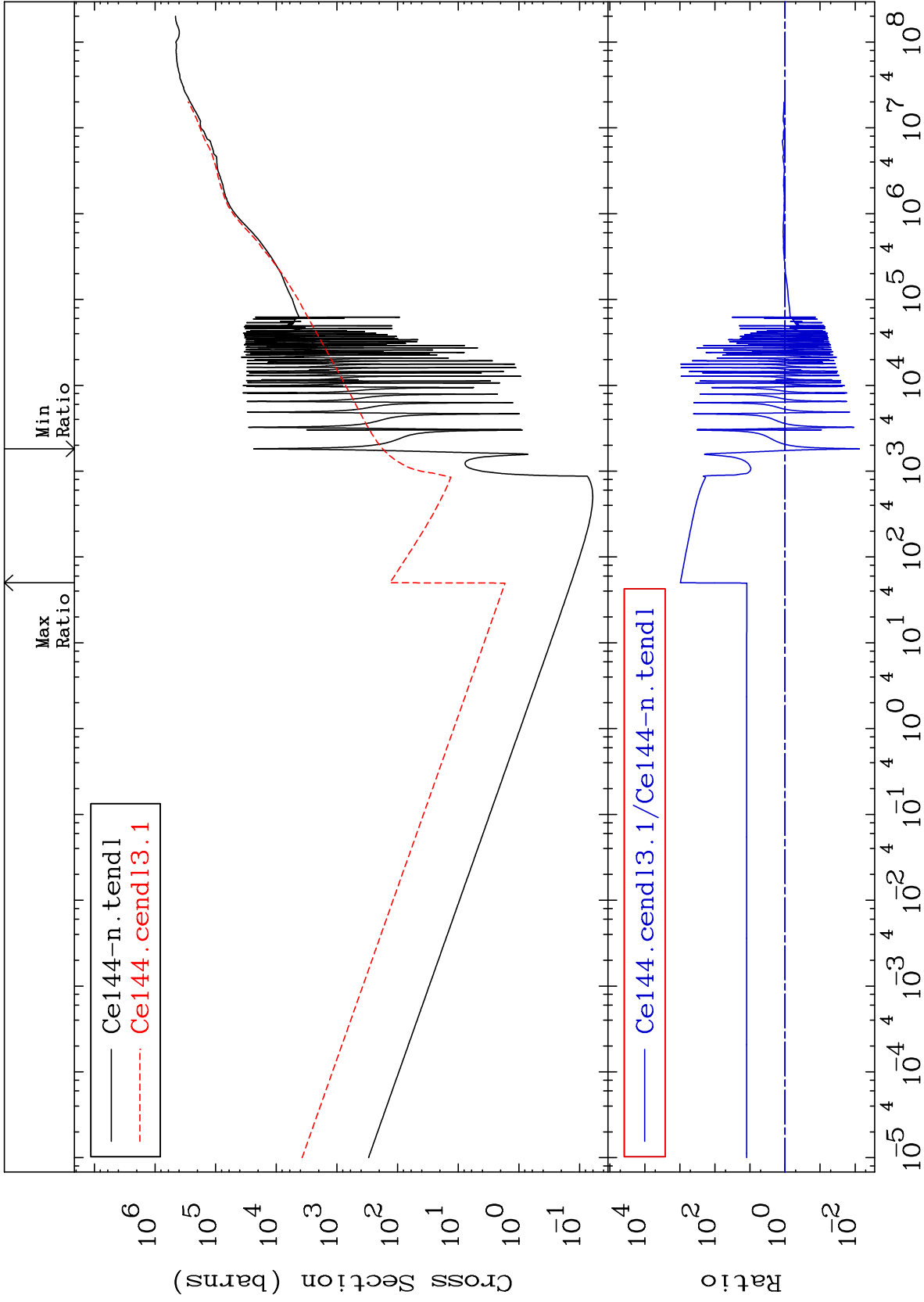
MAT 5849

Total photon (eV-barns)  
Cross Section

58-Ce-144  
-99.77 To 9999. %



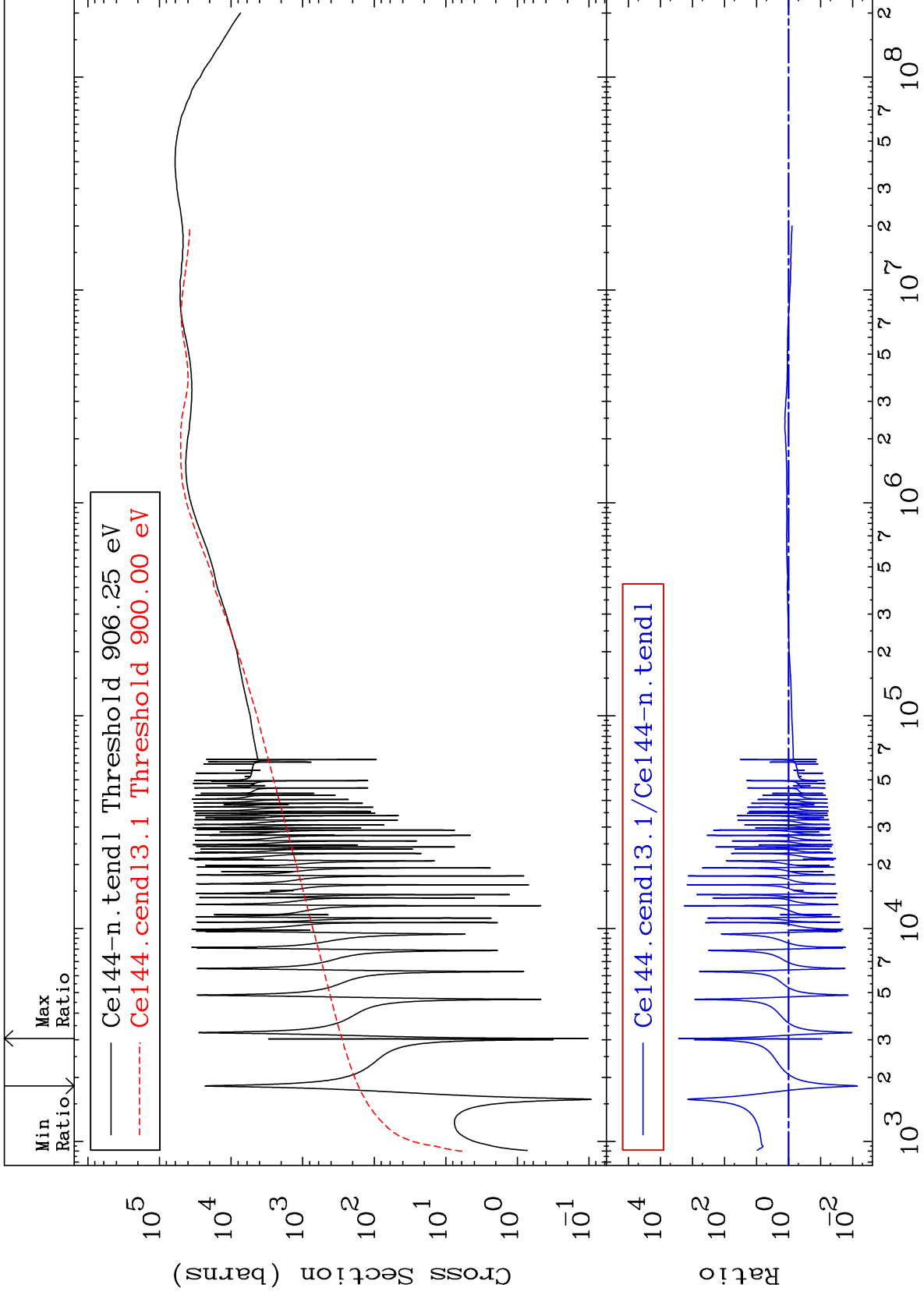




MAT 5849

Dpa elastic (mt2)  
Cross Section

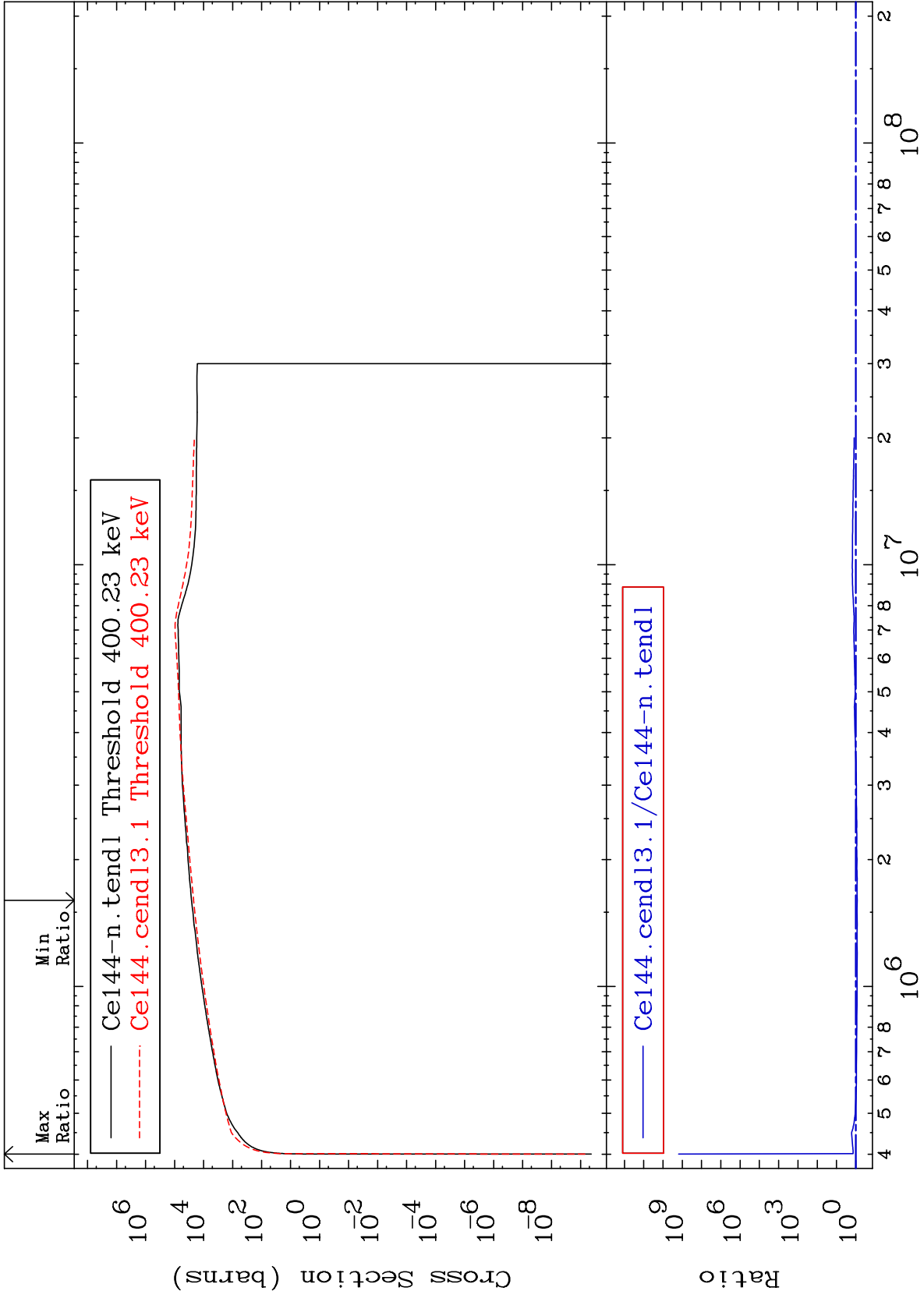
58-Ce-144  
-99.28 To 9999. %



30

Incident Energy (eV)

58-Ce-144



MAT 5849

Dpa disappearance (mt102 -120)  
Cross Section

58-Ce-144  
-96.77 To 9999. %

