

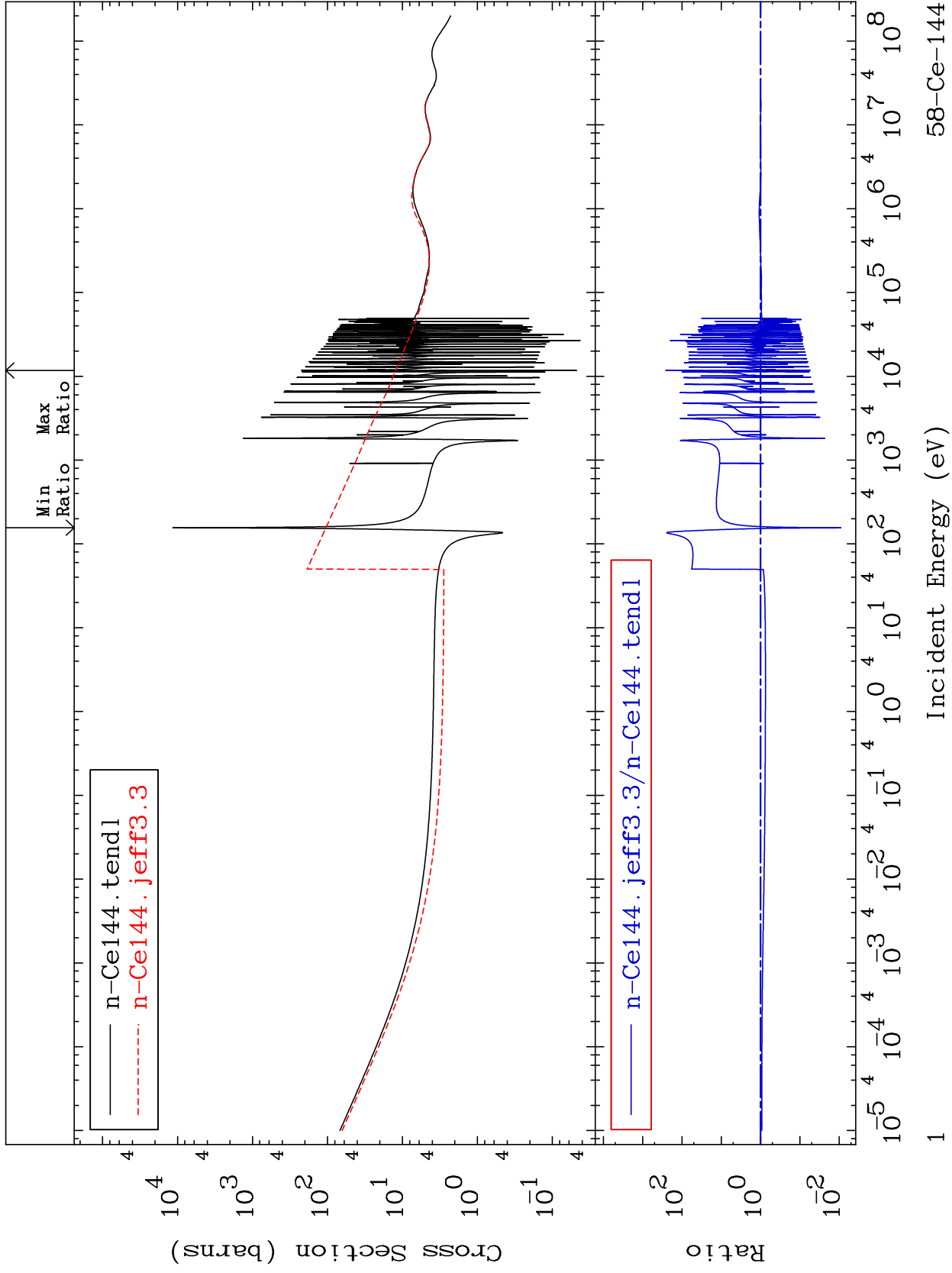
MAT 5849

Total

58-Ce-144

Cross Section

-99.09 To 9999. %



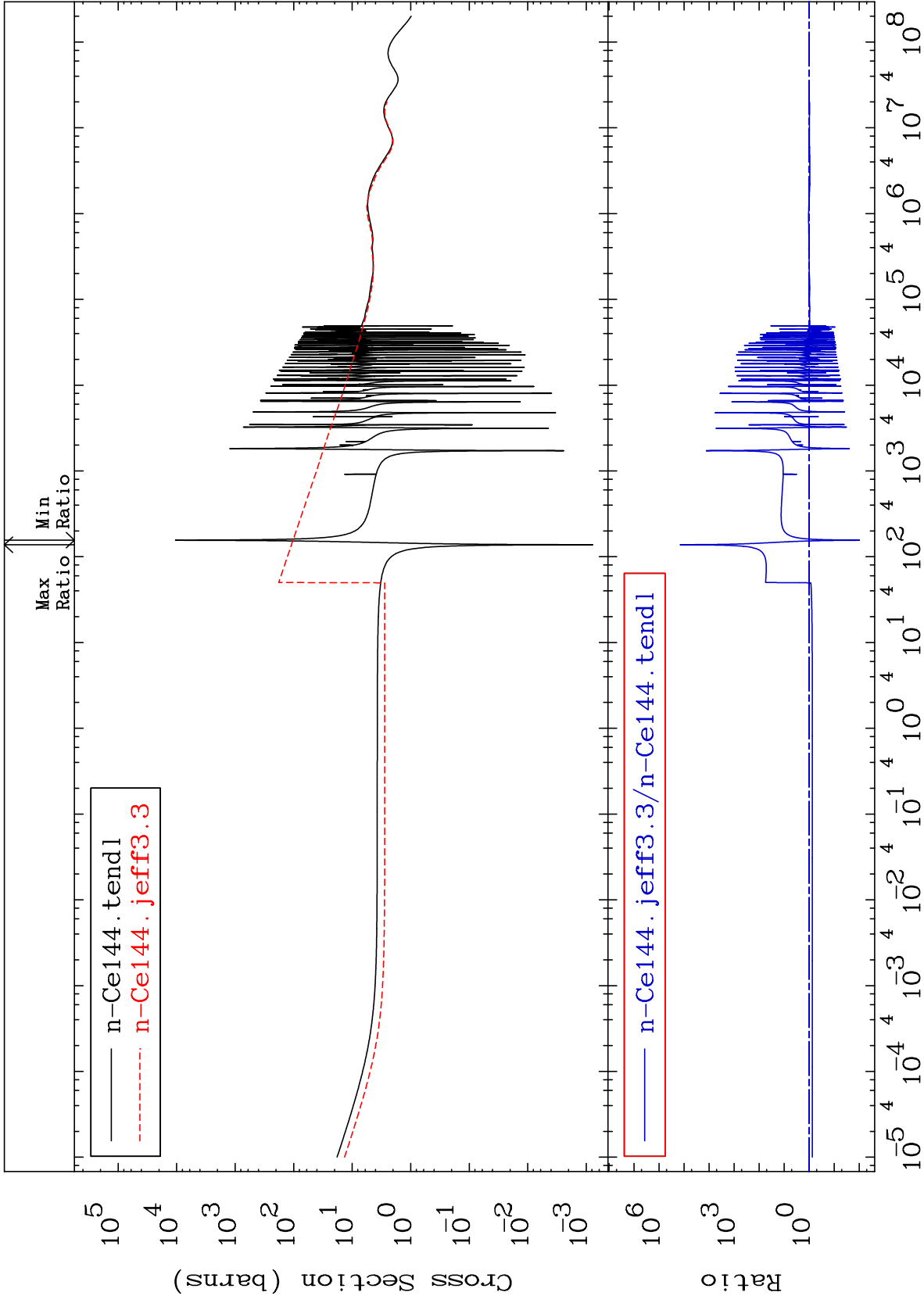
Incident Energy (eV)

58-Ce-144

MAT 5849

Elastic  
Cross Section

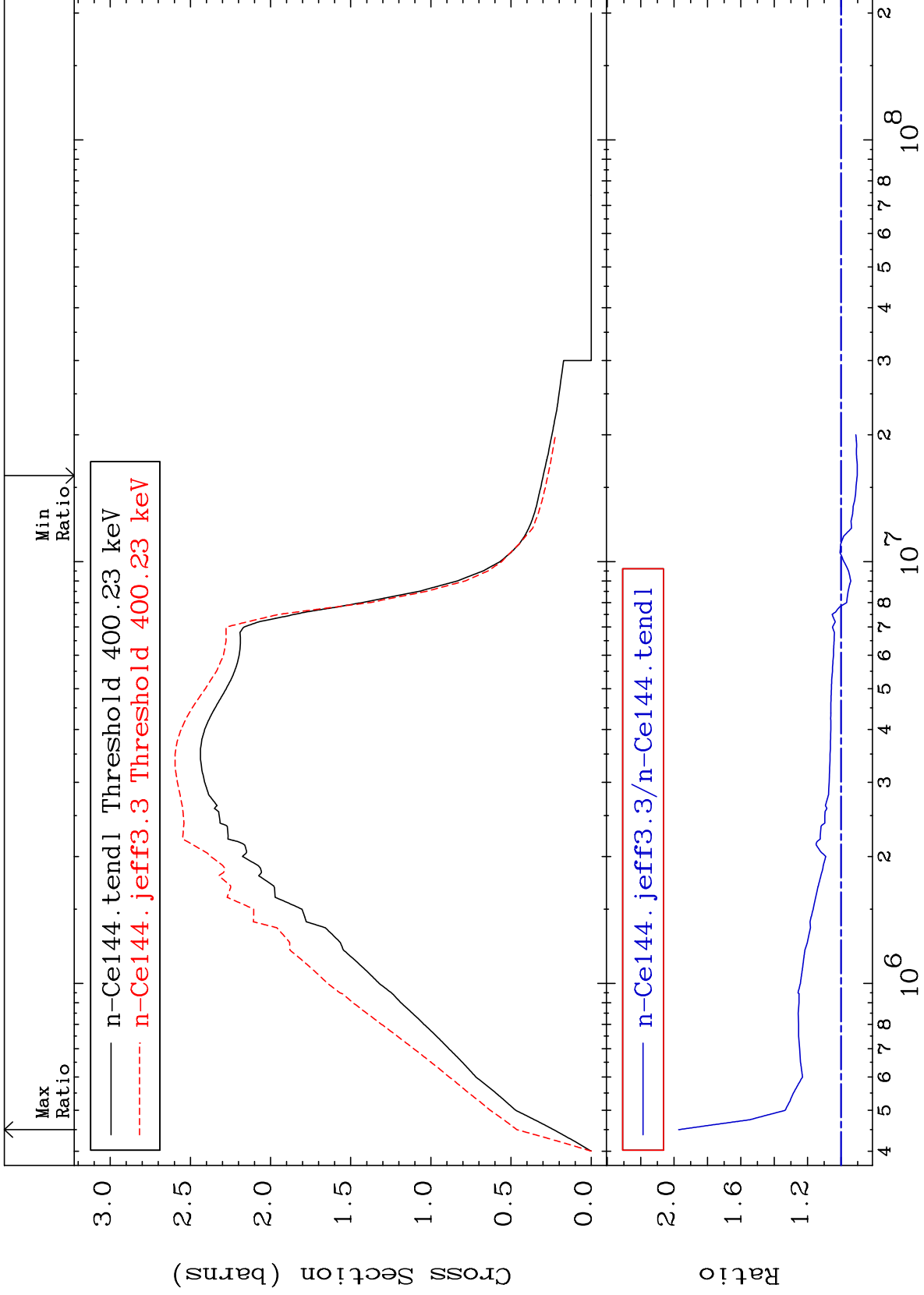
58-Ce-144  
-99.02 To 9999. %



MAT 5849

Inelastic  
Cross Section

58-Ce-144  
-9.759 To 97.24 %



3

Incident Energy (eV)

58-Ce-144

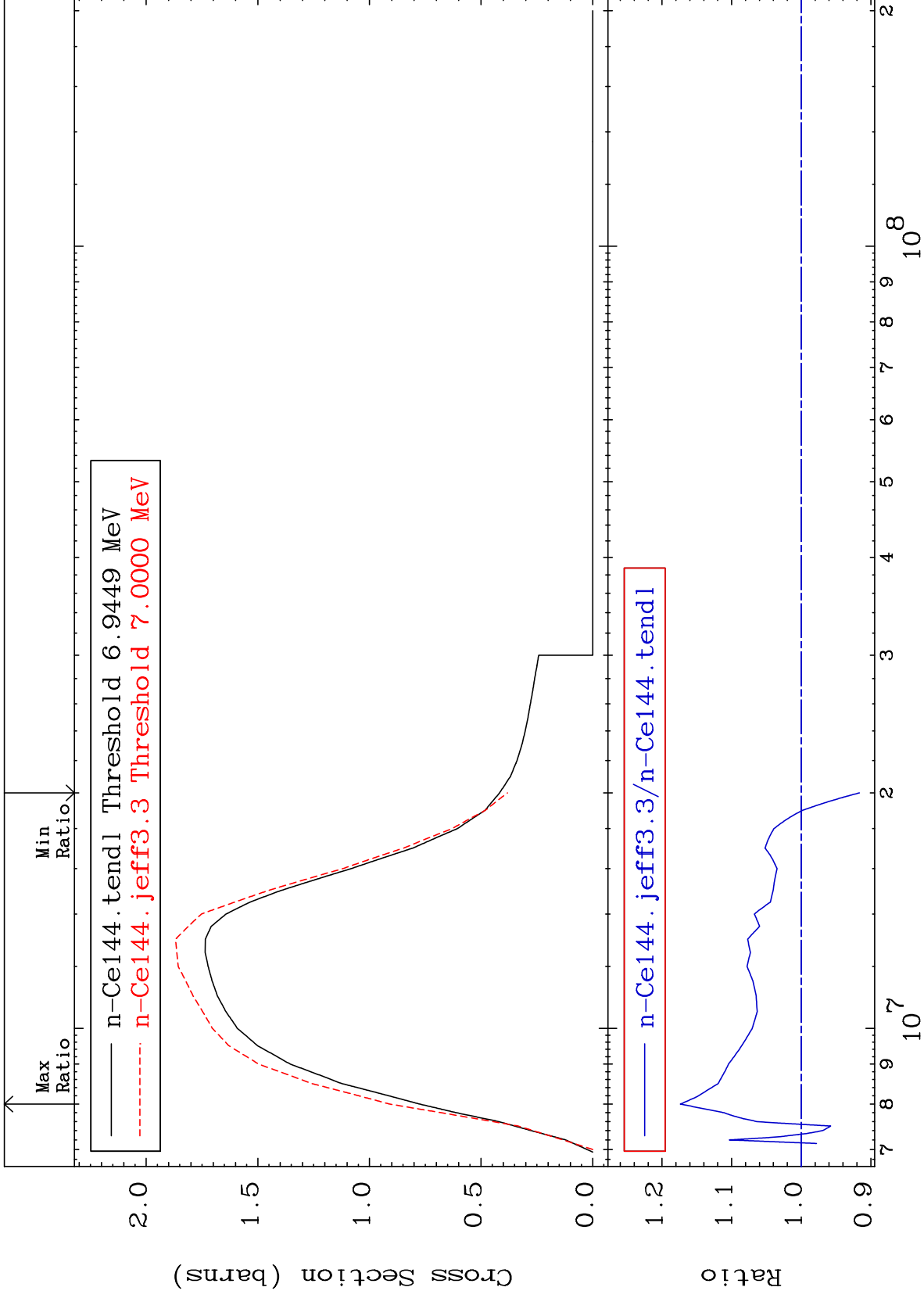
MAT 5849

(n,2n)

58-Ce-144

Cross Section

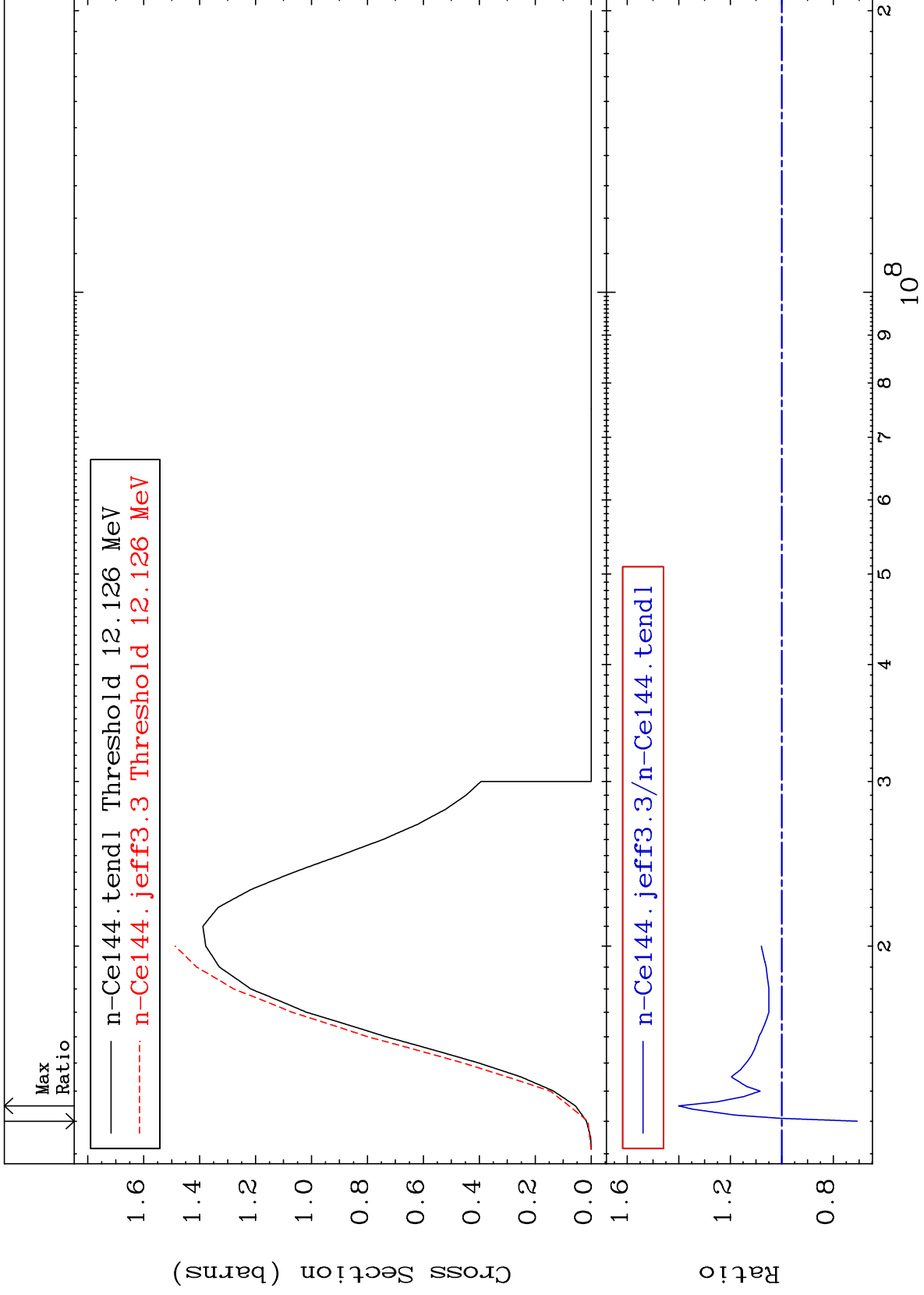
-8.361 To 17.37 %



MAT 5849

(n,3n)  
Cross Section

58-Ce-144  
-29.28 To 40.05 %



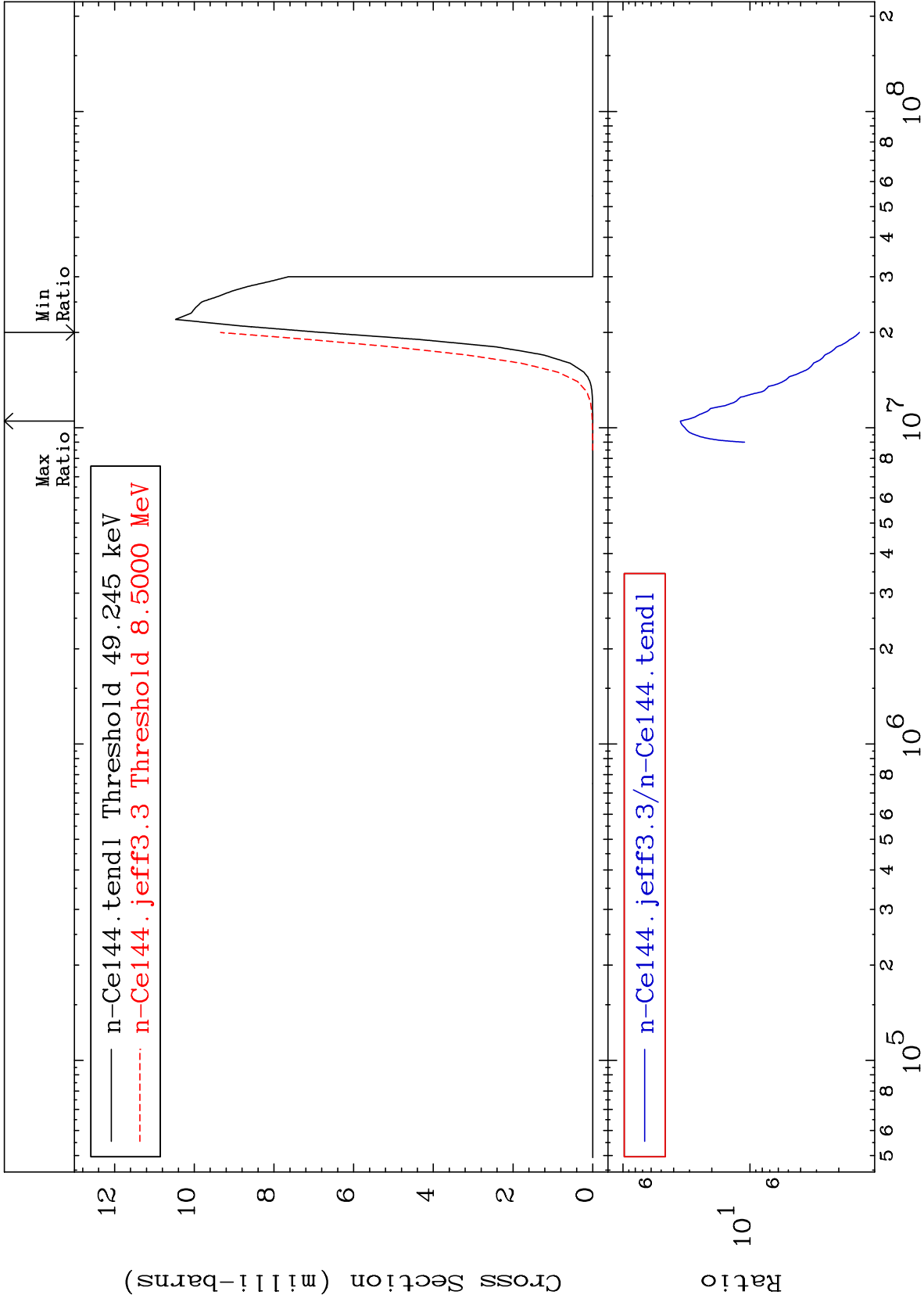
MAT 5849

(n,n')  $\alpha$

58-Ce-144

Cross Section

37.70 To 3435. %



6

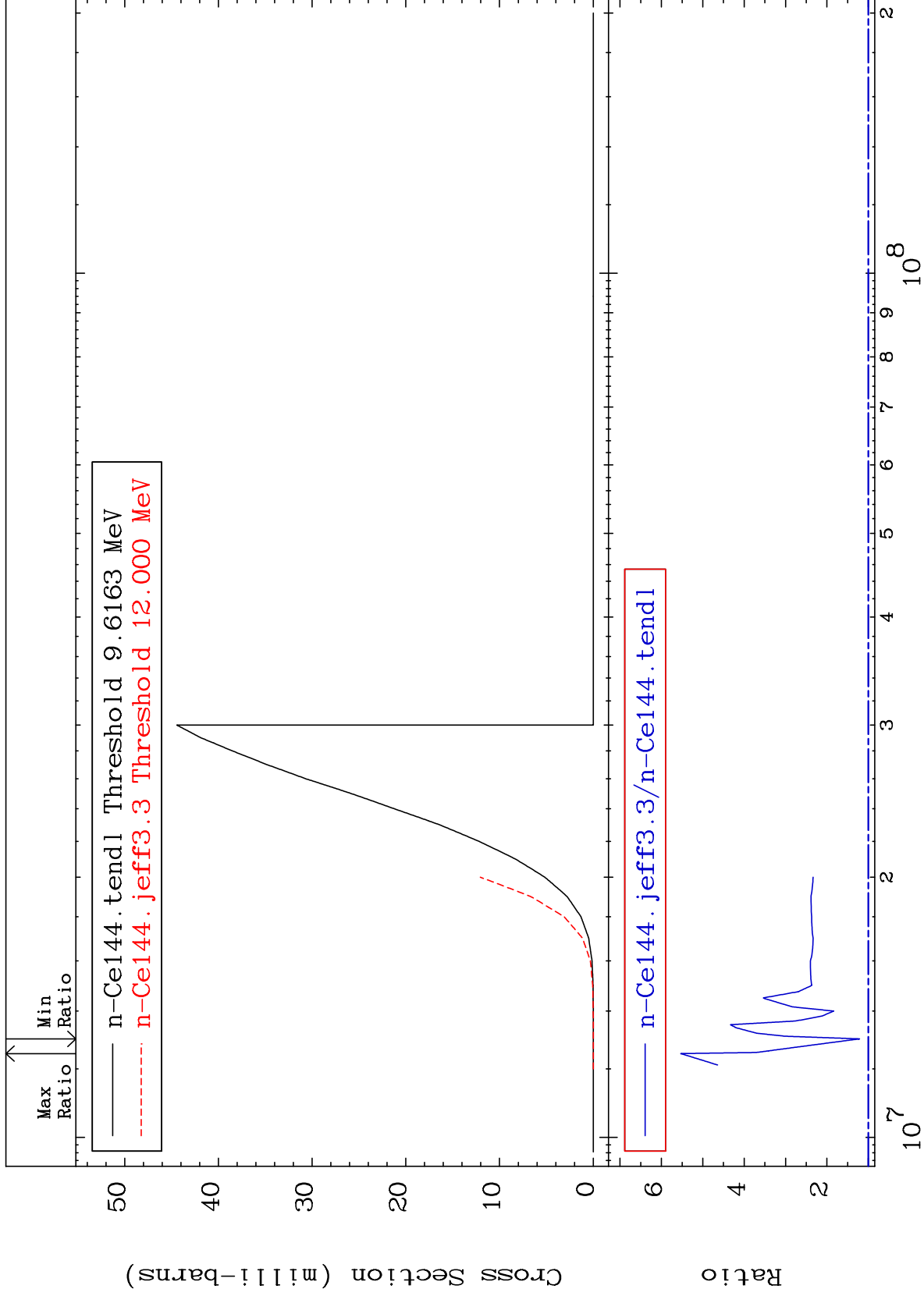
Incident Energy (eV)

58-Ce-144

MAT 5849

(n,n') p  
Cross Section

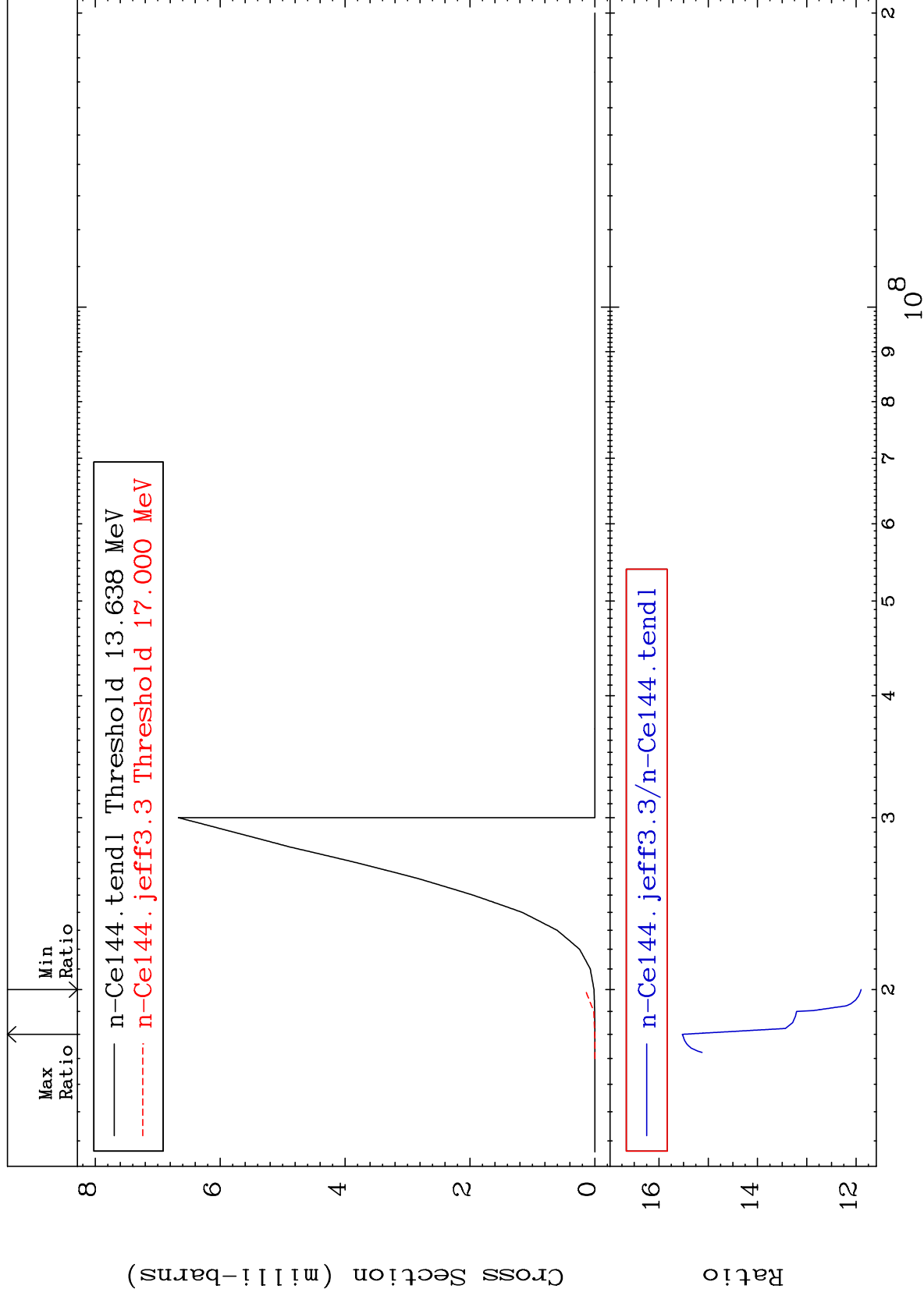
58-Ce-144  
21.23 To 453.2 %



MAT 5849

(n,n') d  
Cross Section

58-Ce-144  
1090. To 1453. %

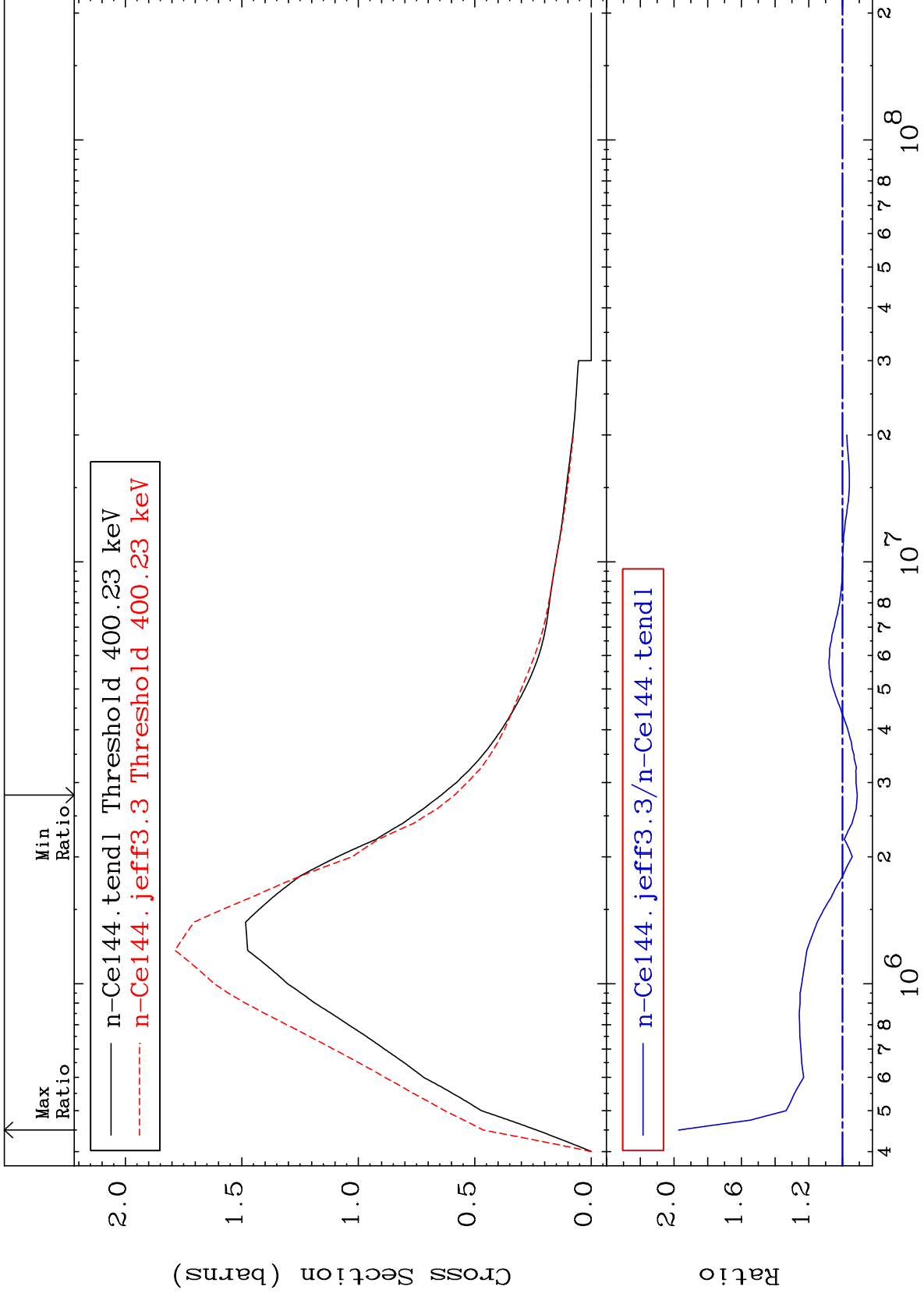




MAT 5849

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

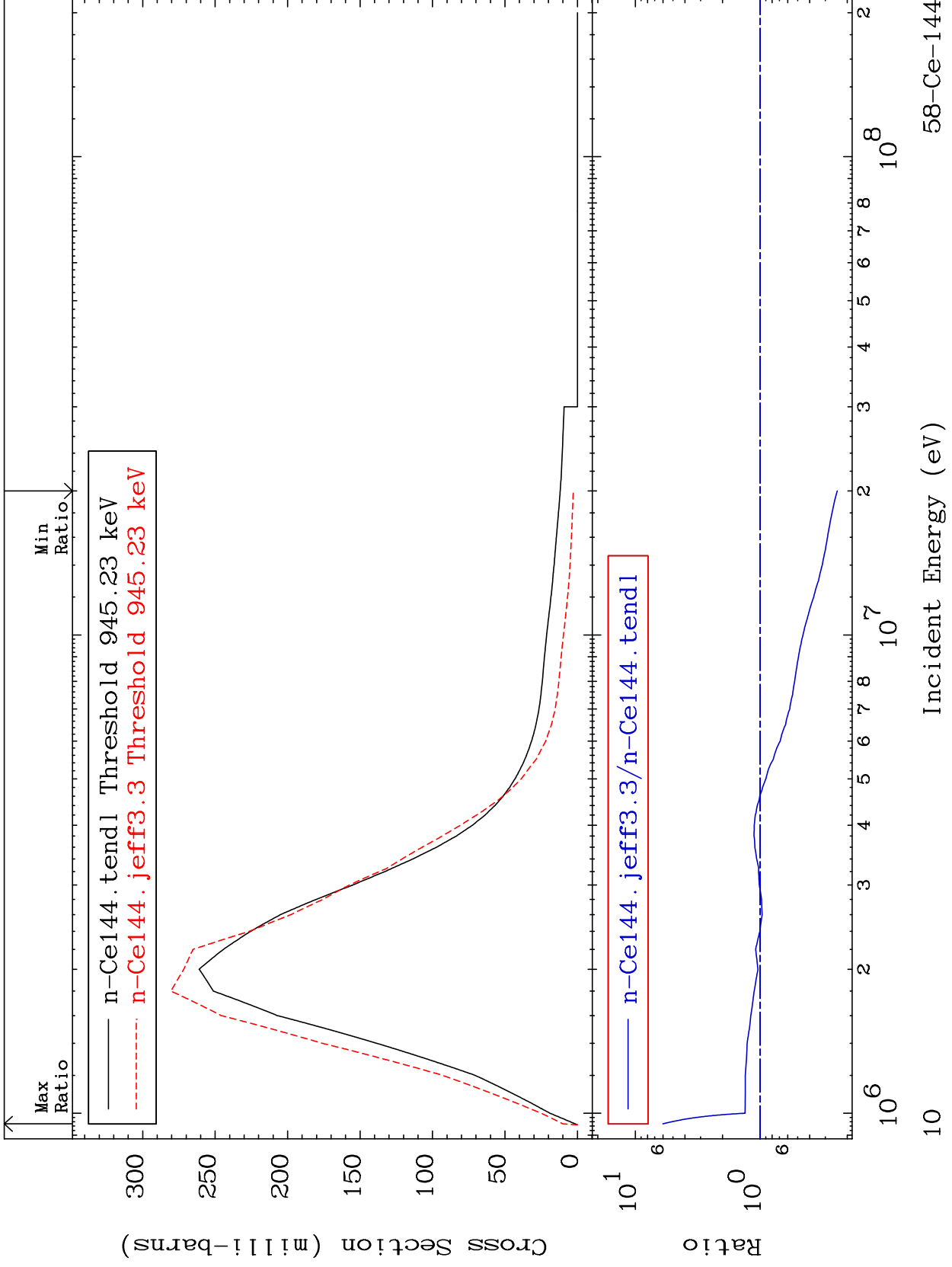
58-Ce-144  
-8.787 To 97.24 %



MAT 5849

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

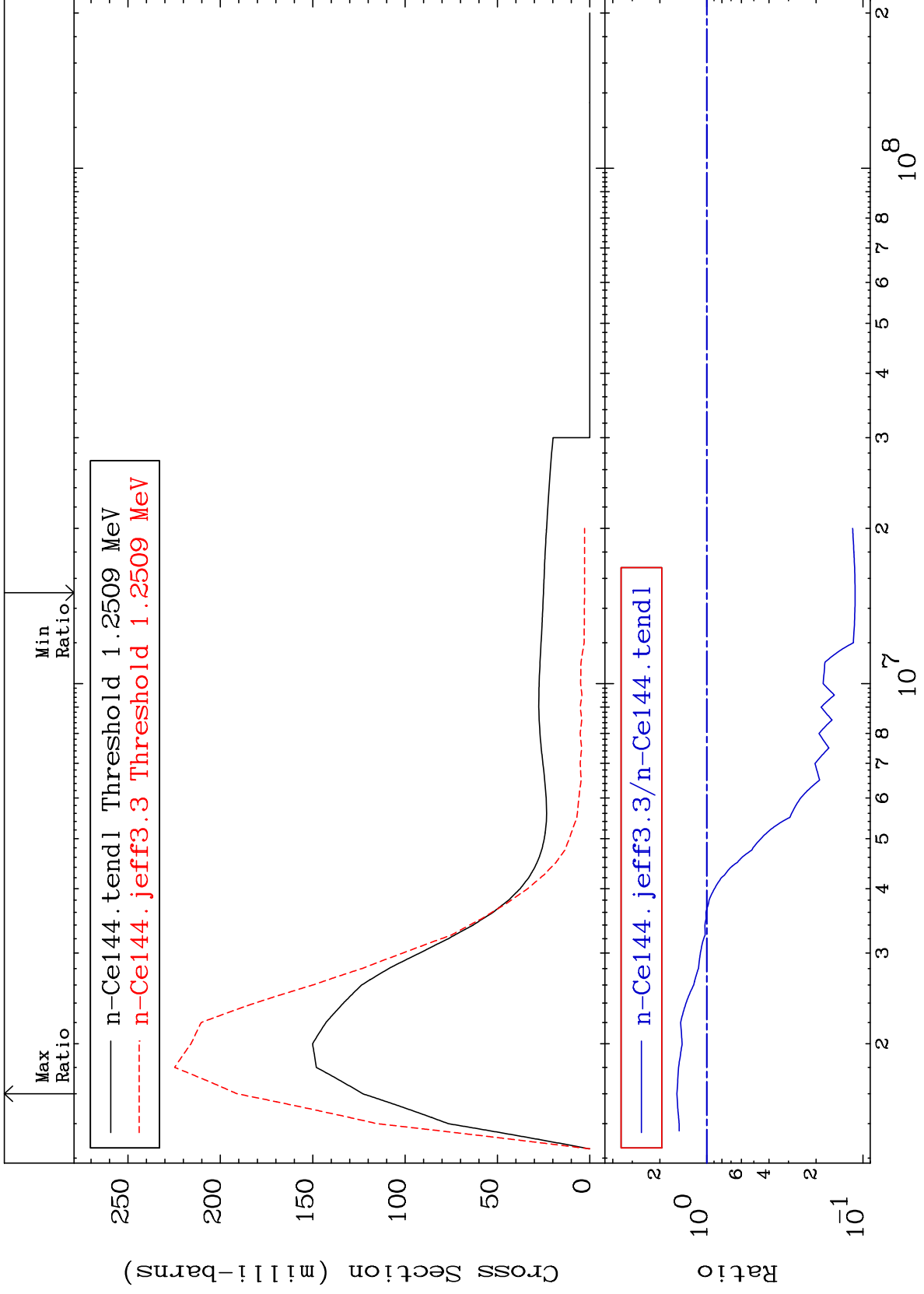
58-Ce-144  
-75.96 To 502.6 %



MAT 5849

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

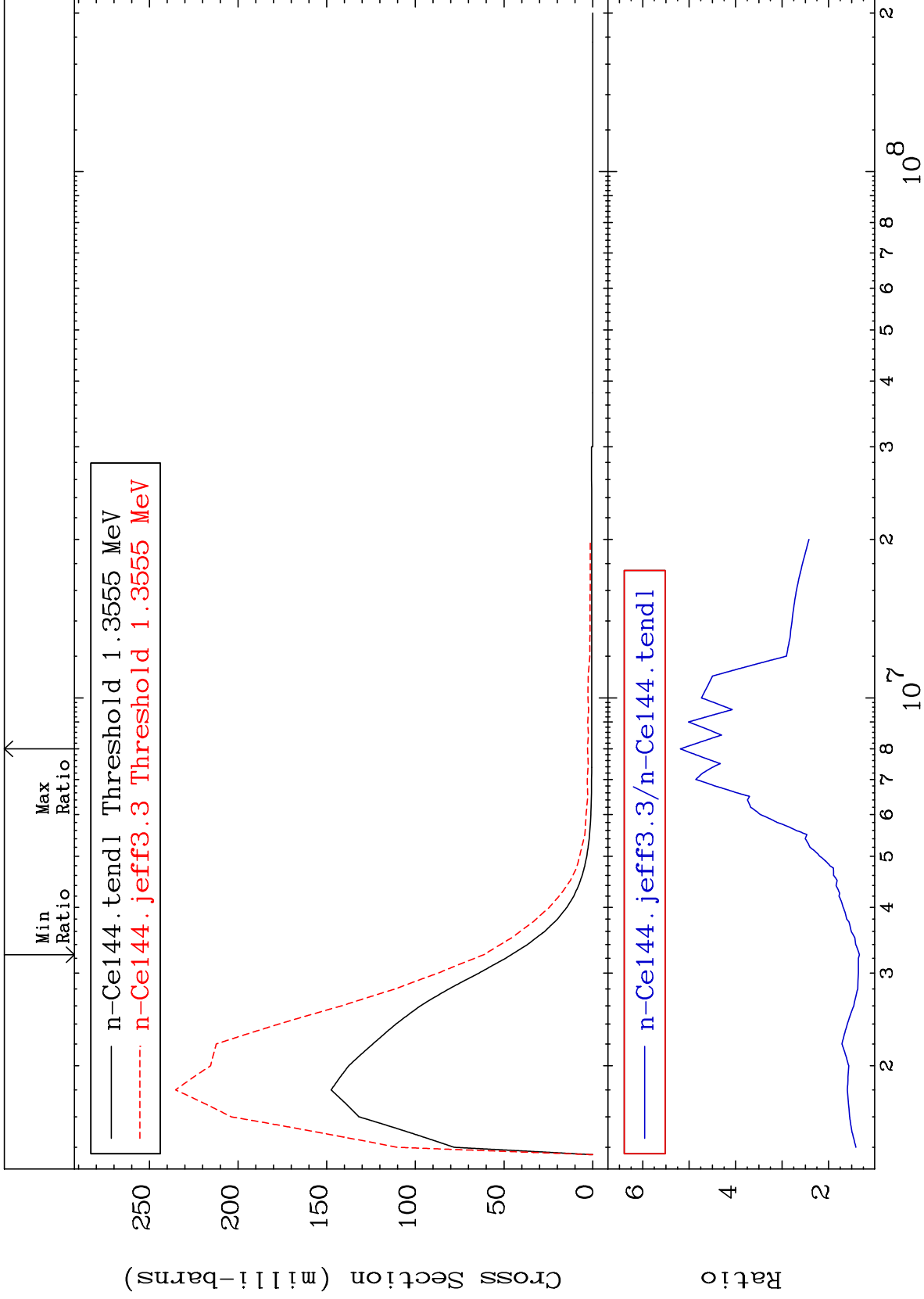
58-Ce-144  
-88.76 To 55.40 %



MAT 5849

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

58-Ce-144  
33.58 To 418.9 %



12

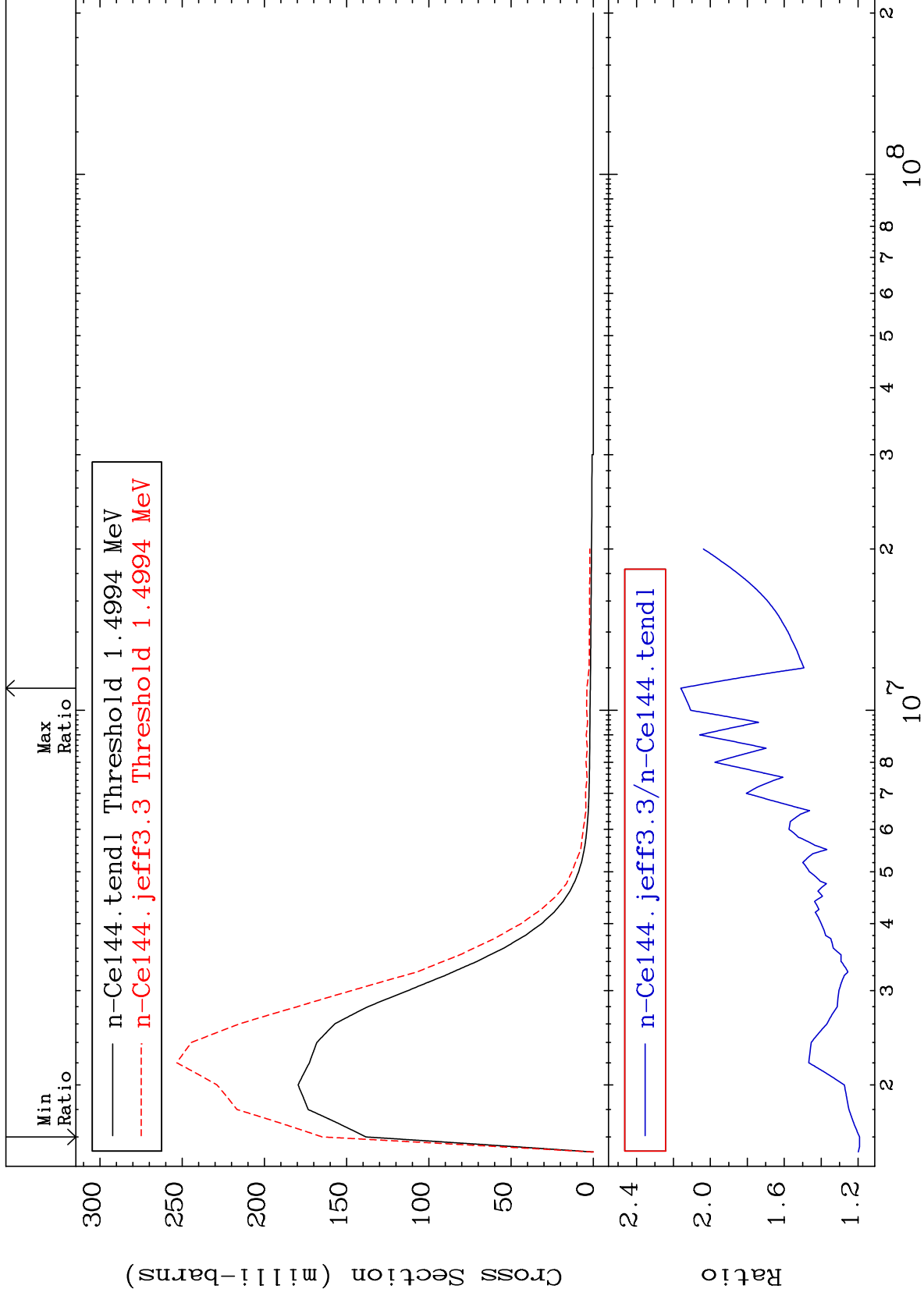
Incident Energy (eV)

58-Ce-144

MAT 5849

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

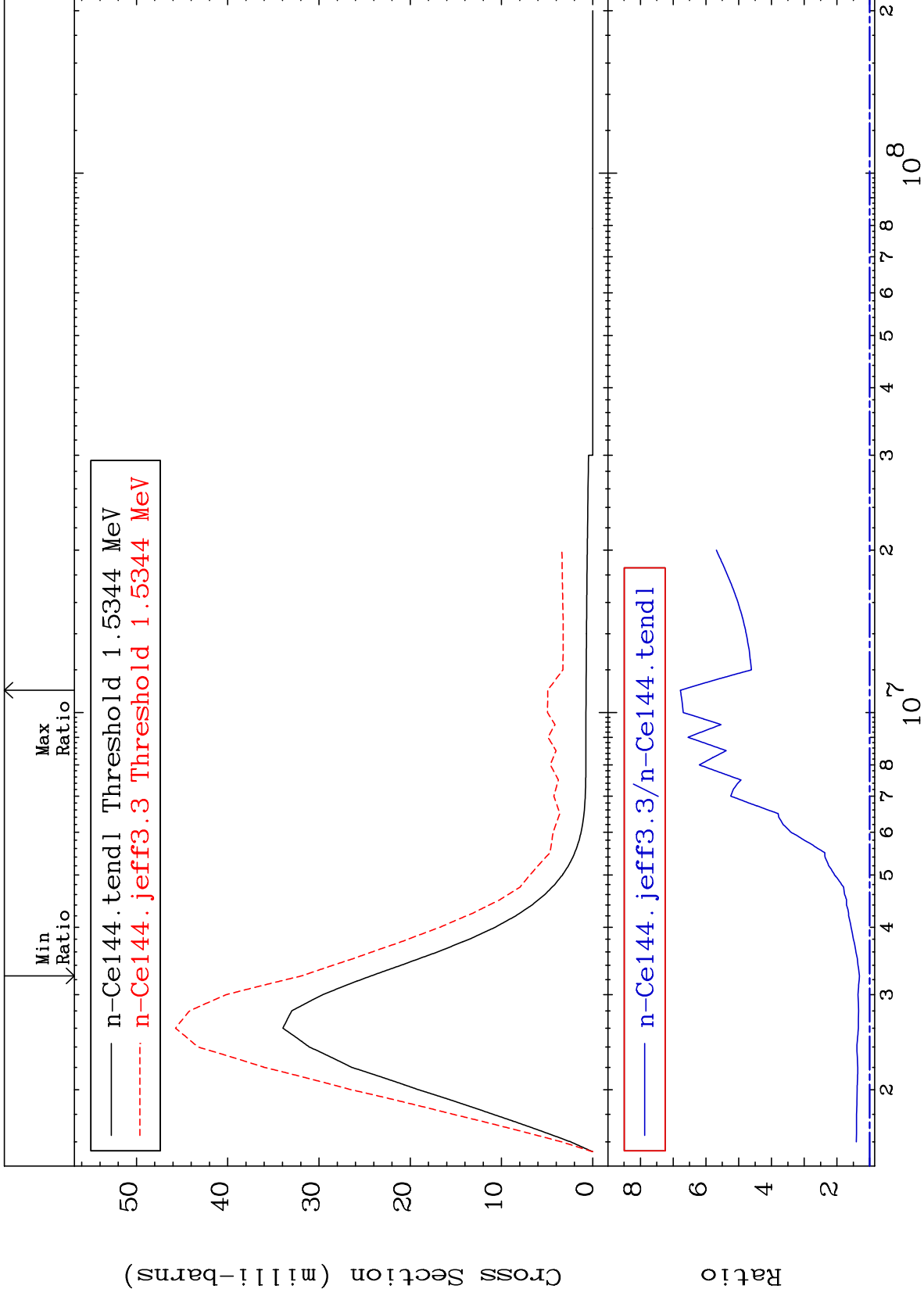
58-Ce-144  
19.21 To 116.0 %



MAT 5849

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

58-Ce-144  
31.38 To 578.1 %



14

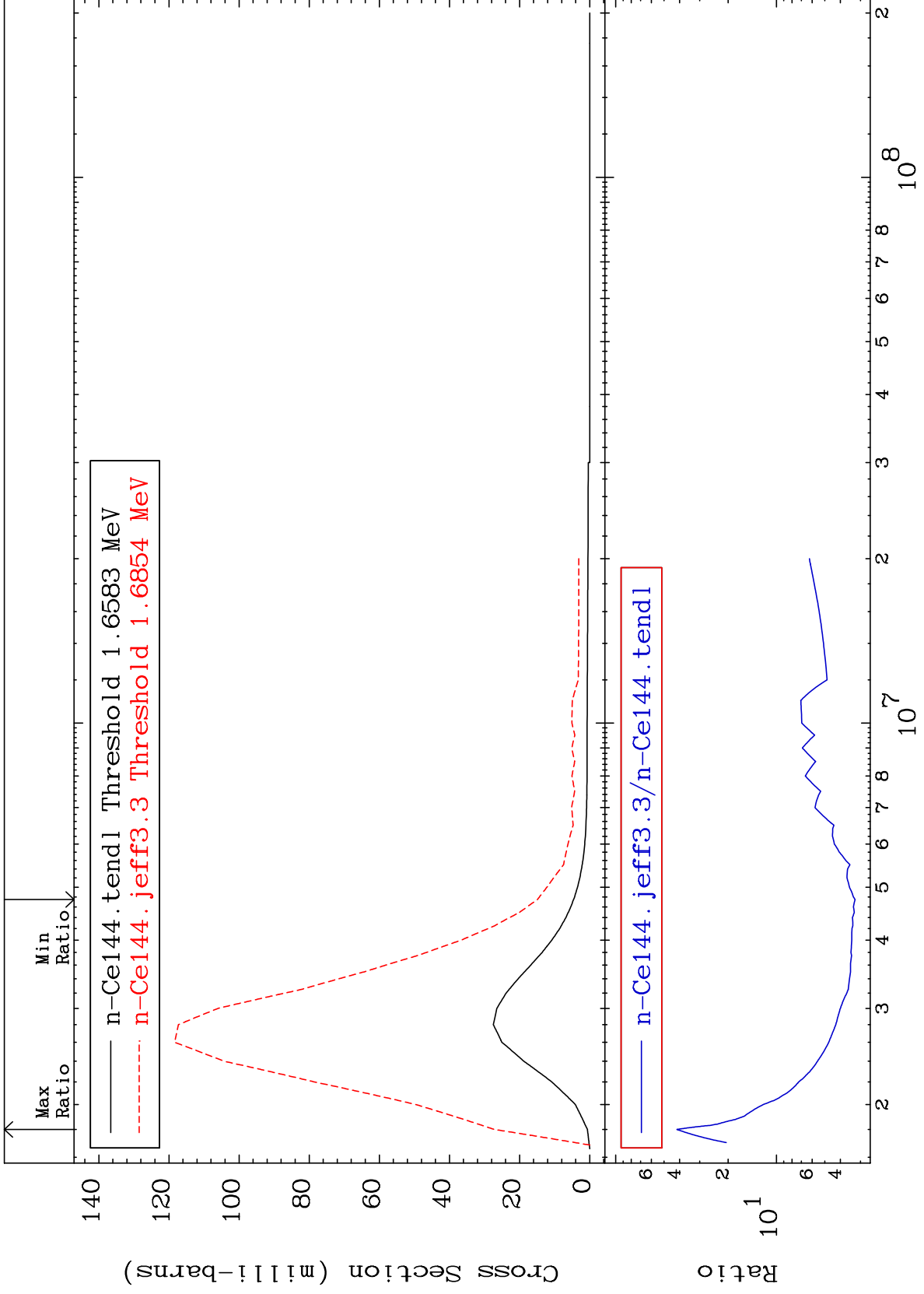
Incident Energy (eV)

58-Ce-144

MAT 5849

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

58-Ce-144  
223.9 To 4060. %



15

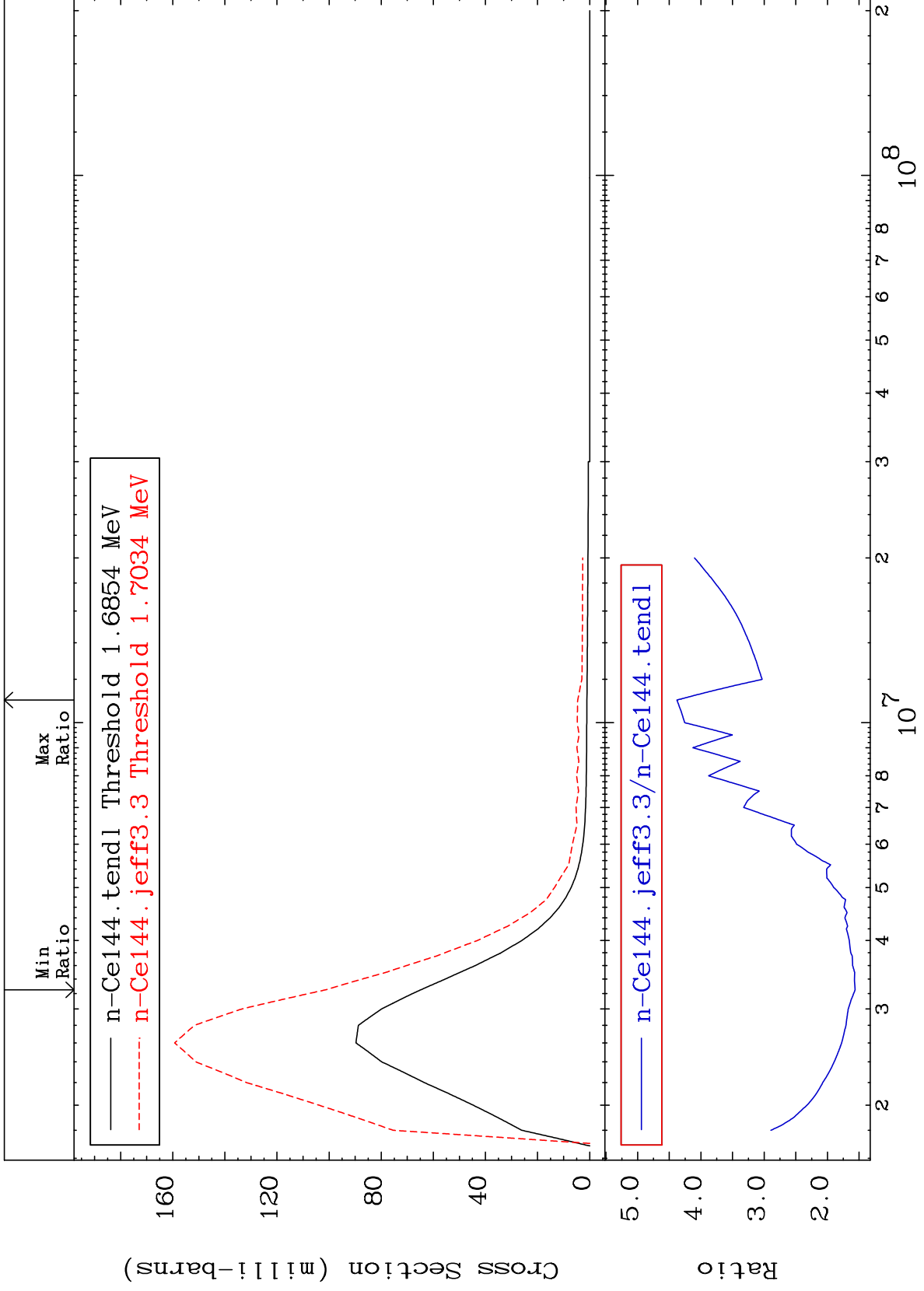
Incident Energy (eV)

58-Ce-144

MAT 5849

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

58-Ce-144  
56.38 To 337.9 %



16

Incident Energy (eV)

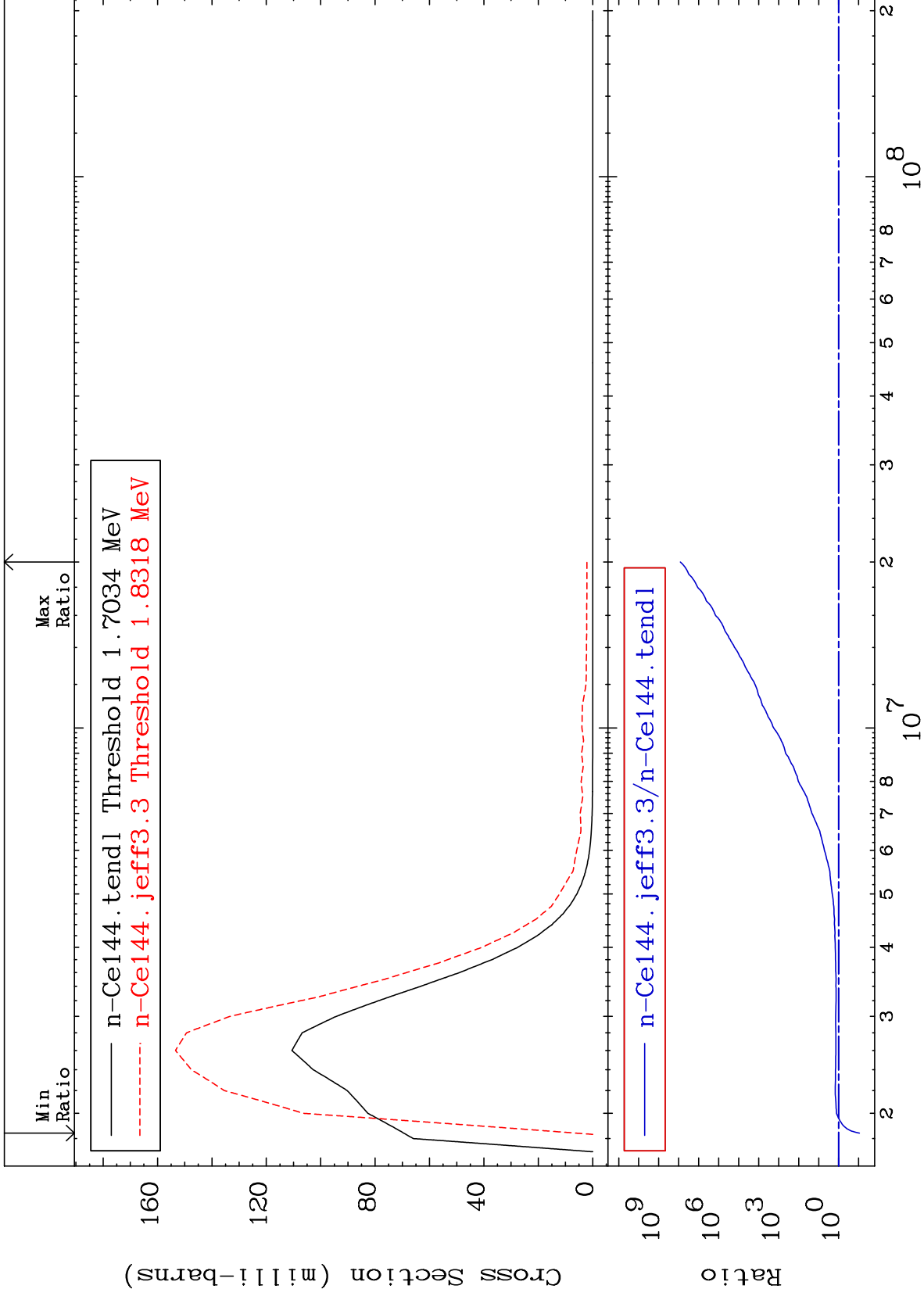
58-Ce-144



MAT 5849

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

58-Ce-144  
-90.84 To 9999. %



17

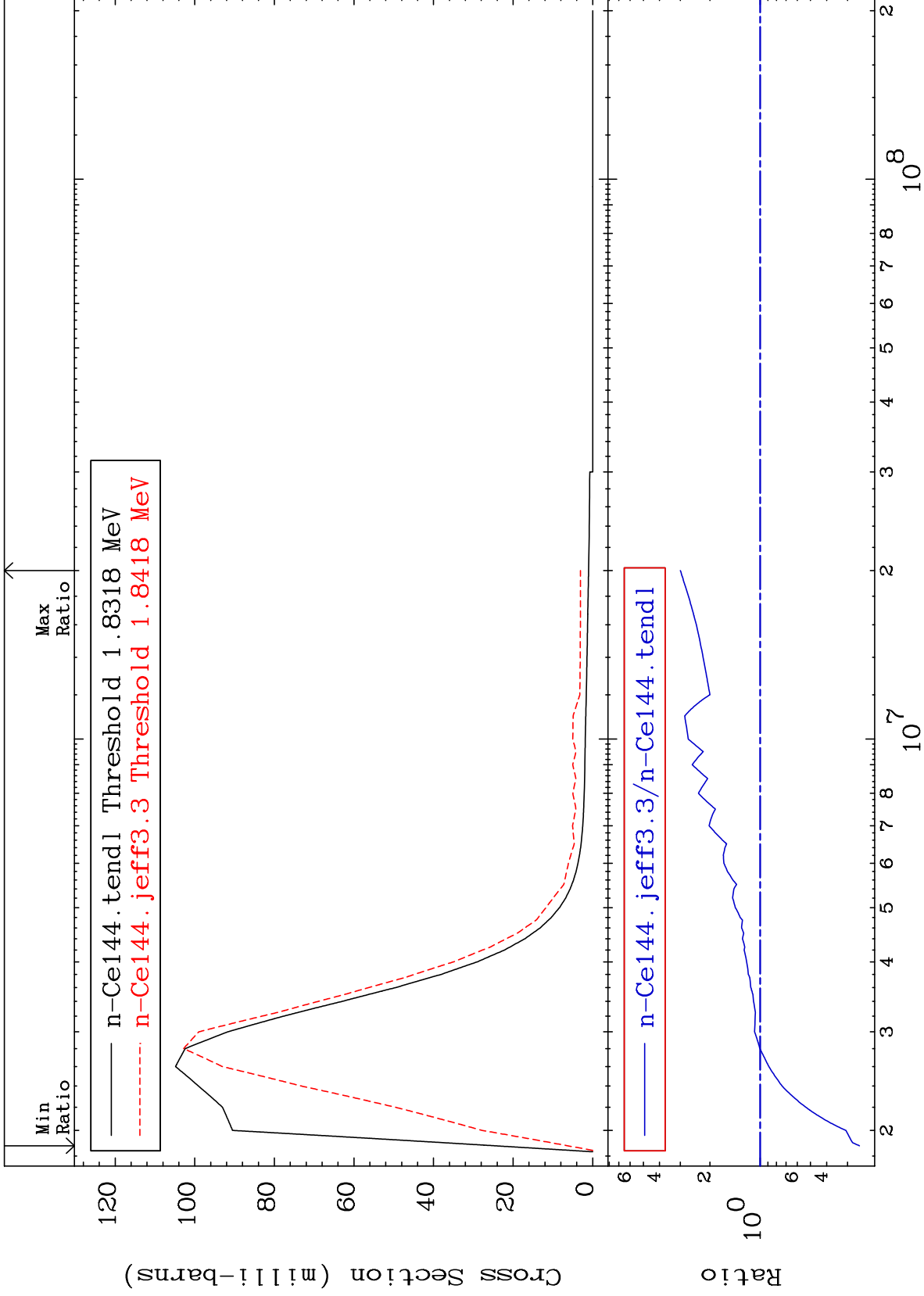
Incident Energy (eV)

58-Ce-144

MAT 5849

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

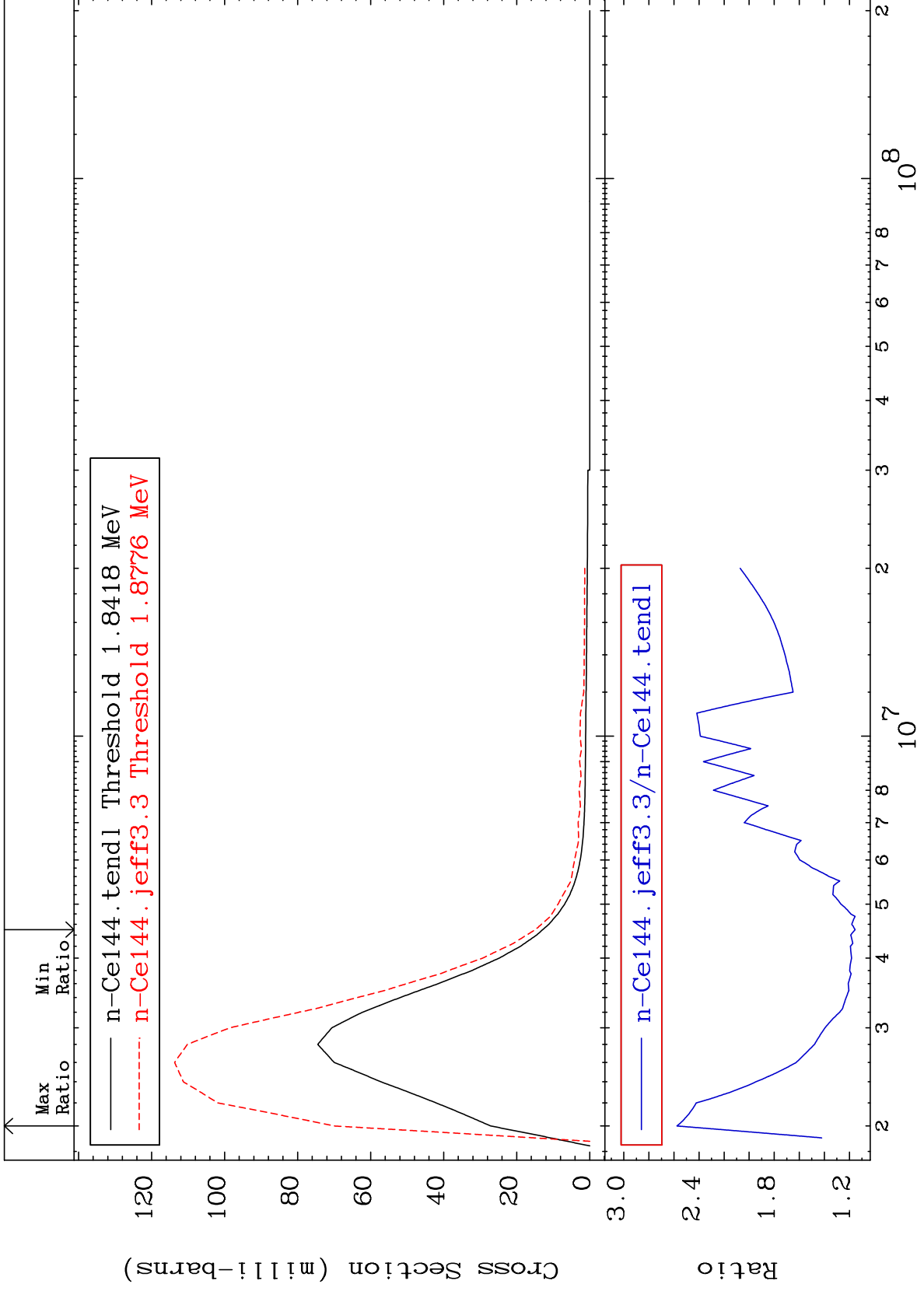
58-Ce-144  
-74.52 To 200.2 %



MAT 5849

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

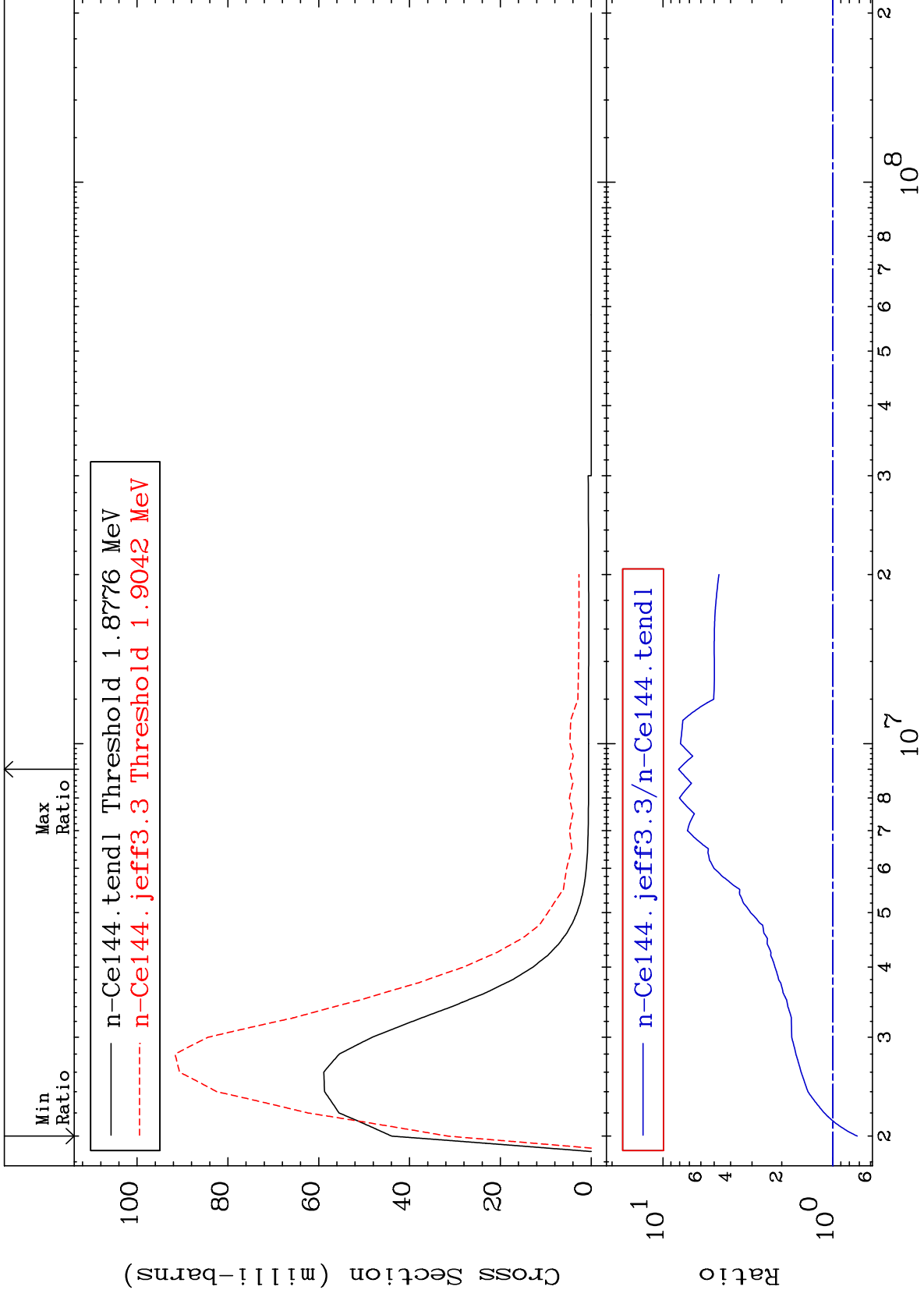
58-Ce-144  
15.45 To 157.6 %



MAT 5849

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

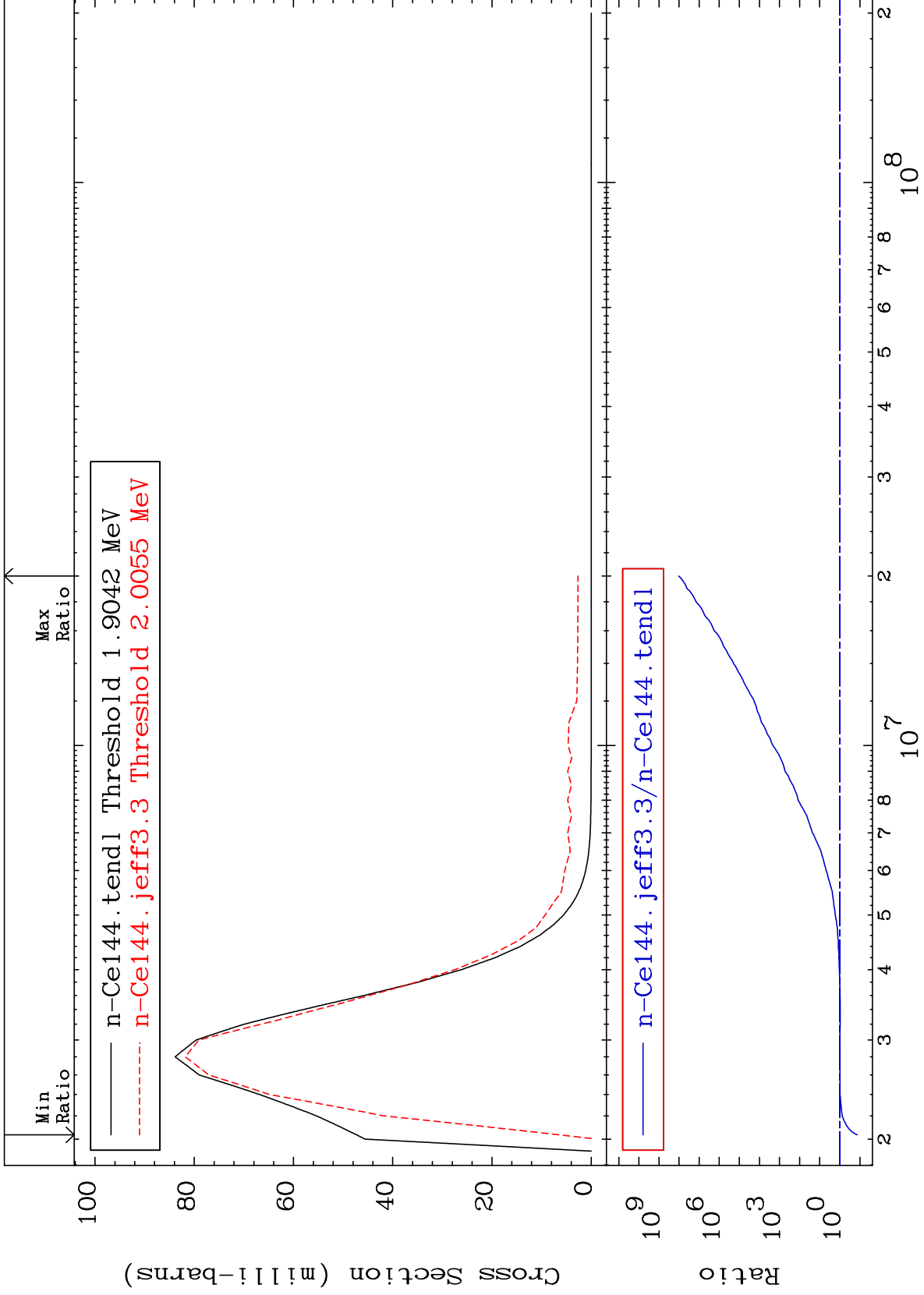
58-Ce-144  
-28.07 To 710.0 %



MAT 5849

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

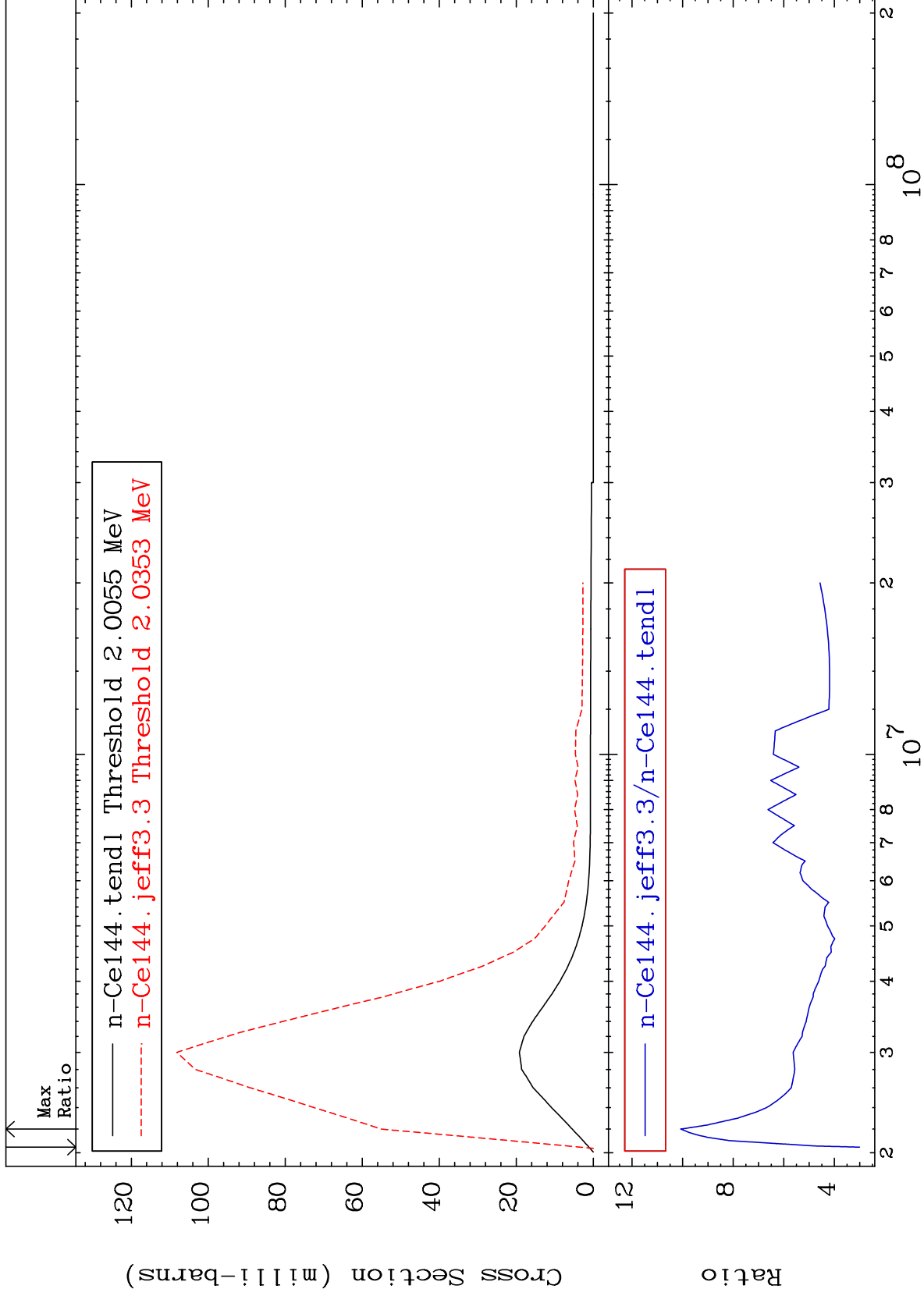
58-Ce-144  
-86.47 To 9999. %



MAT 5849

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

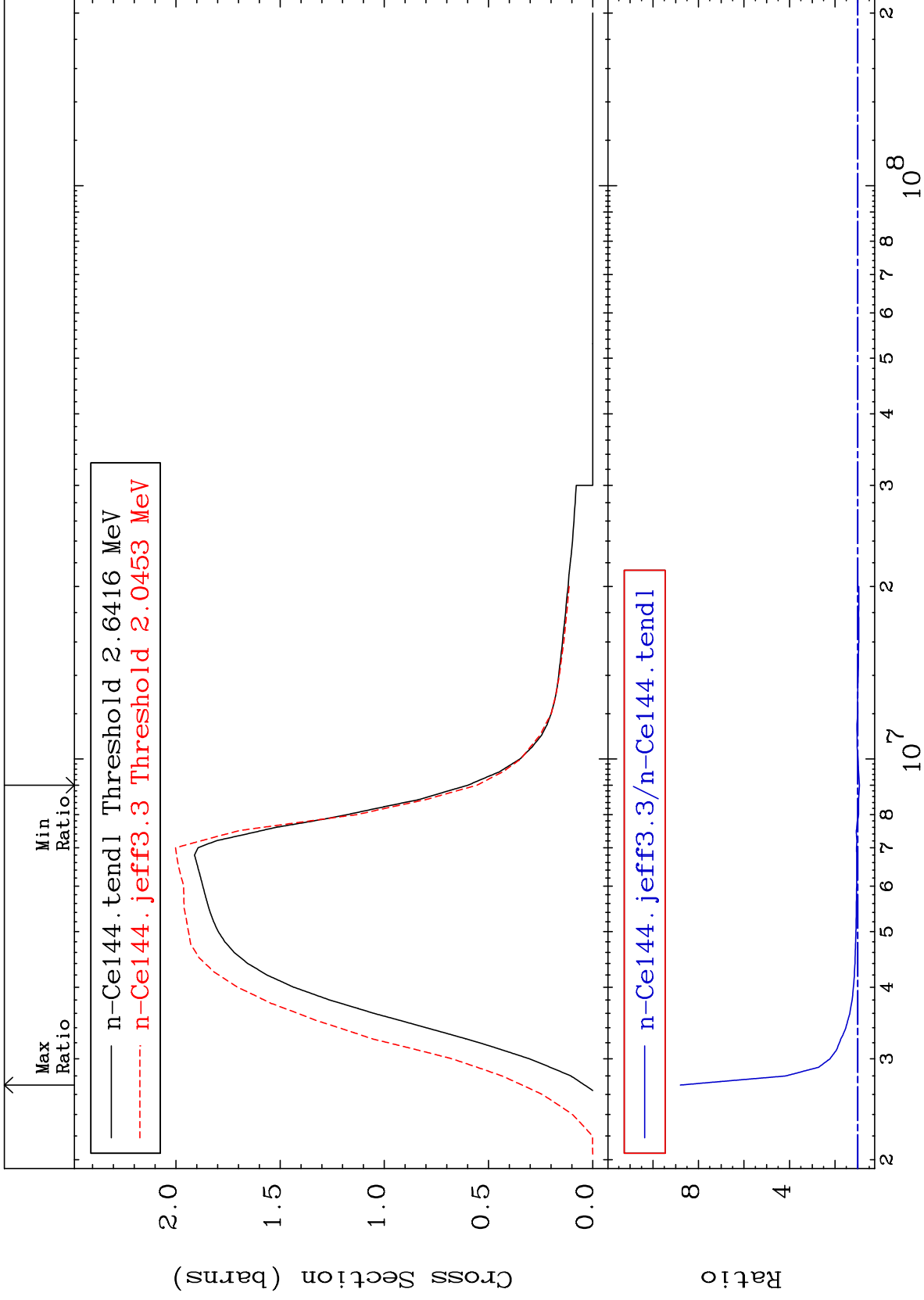
58-Ce-144  
200.8 To 907.5 %



MAT 5849

(n, n') Continuum  
Cross Section

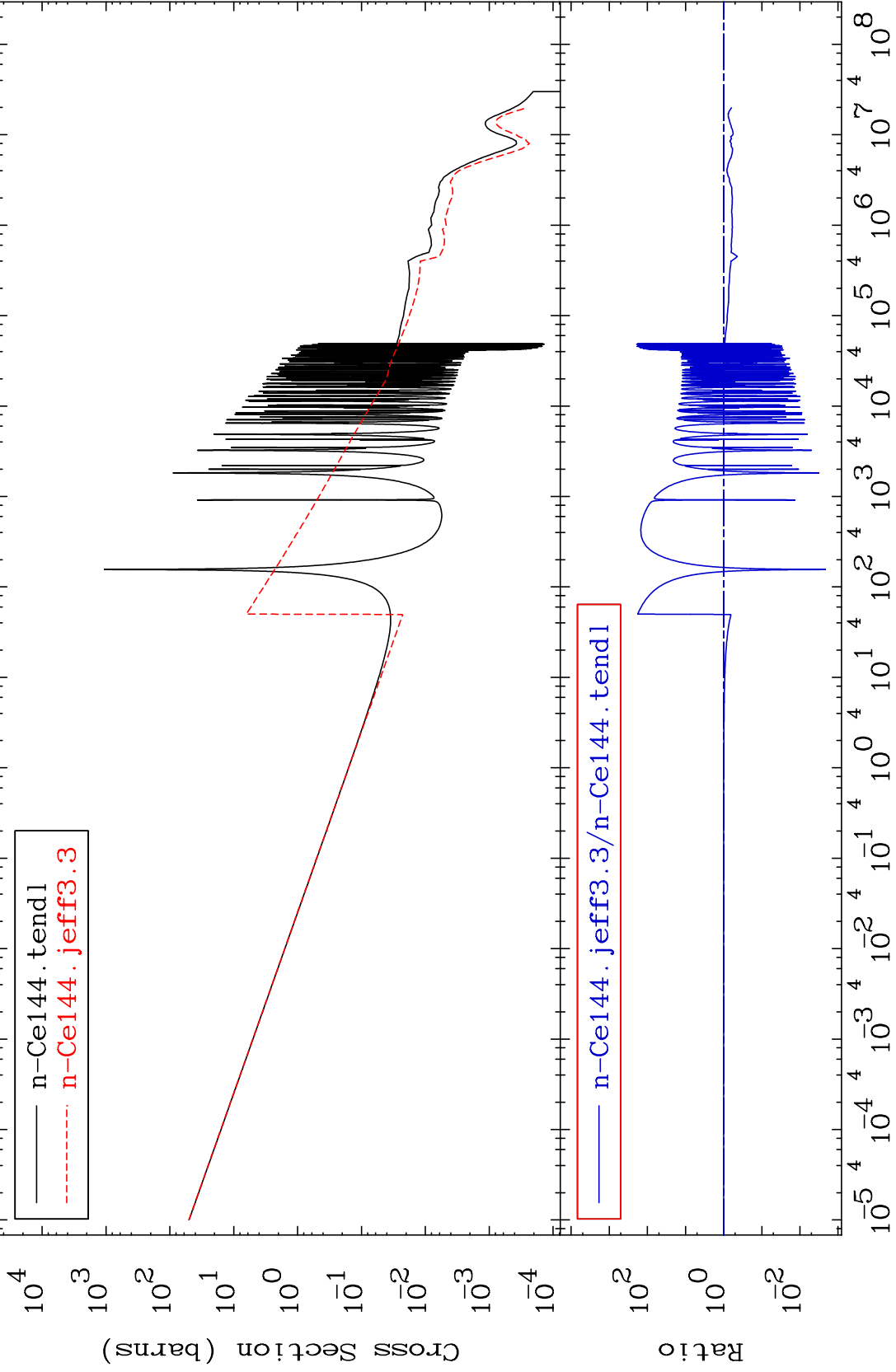
58-Ce-144  
-7.375 To 779.4 %



MAT 5849

(n,  $\gamma$ )  
Cross Section

58-Ce-144  
-99.79 To 9999. %





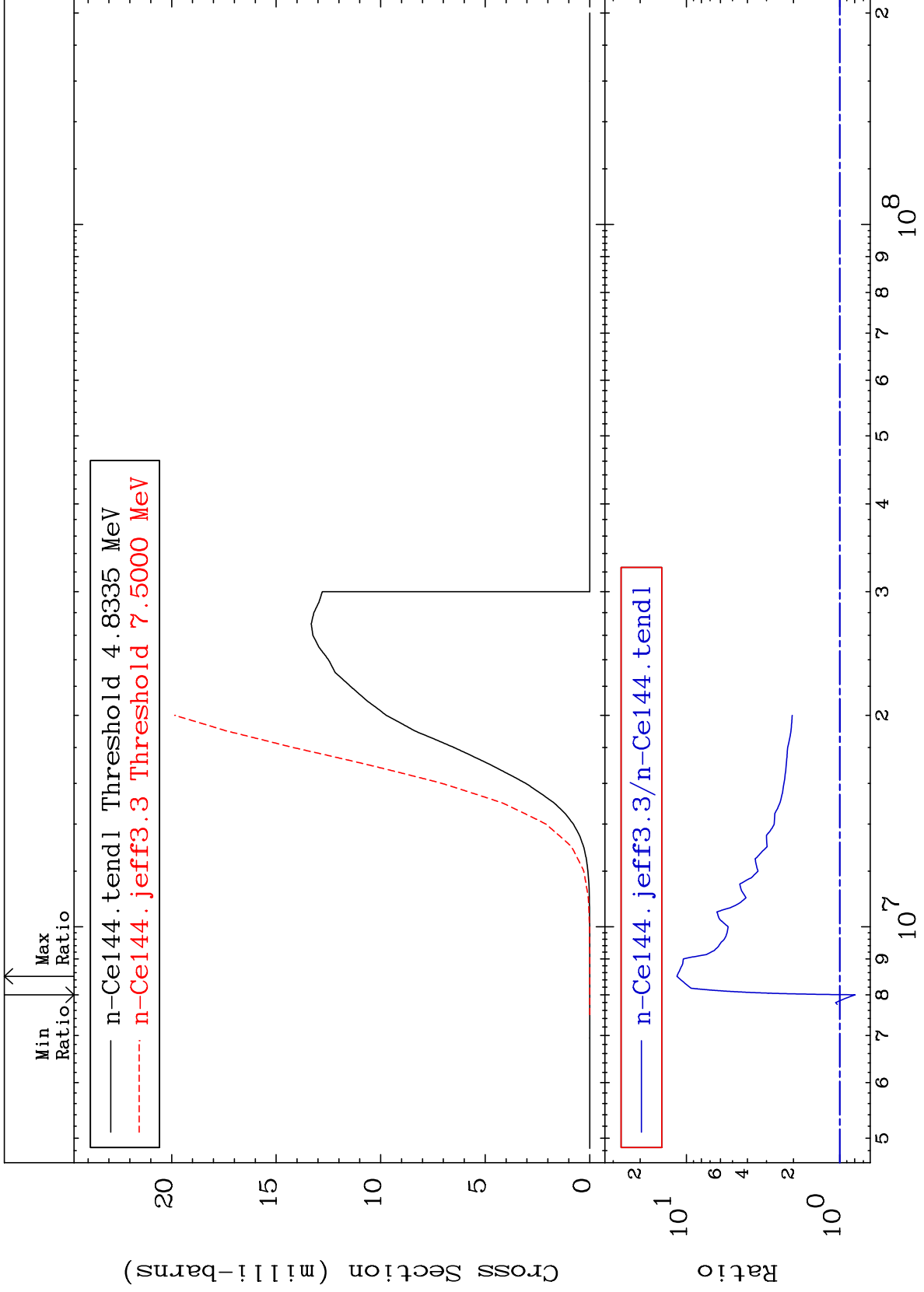
MAT 5849

(n, p)

58-Ce-144

Cross Section

-20.60 To 1053. %



25

Incident Energy (eV)

58-Ce-144

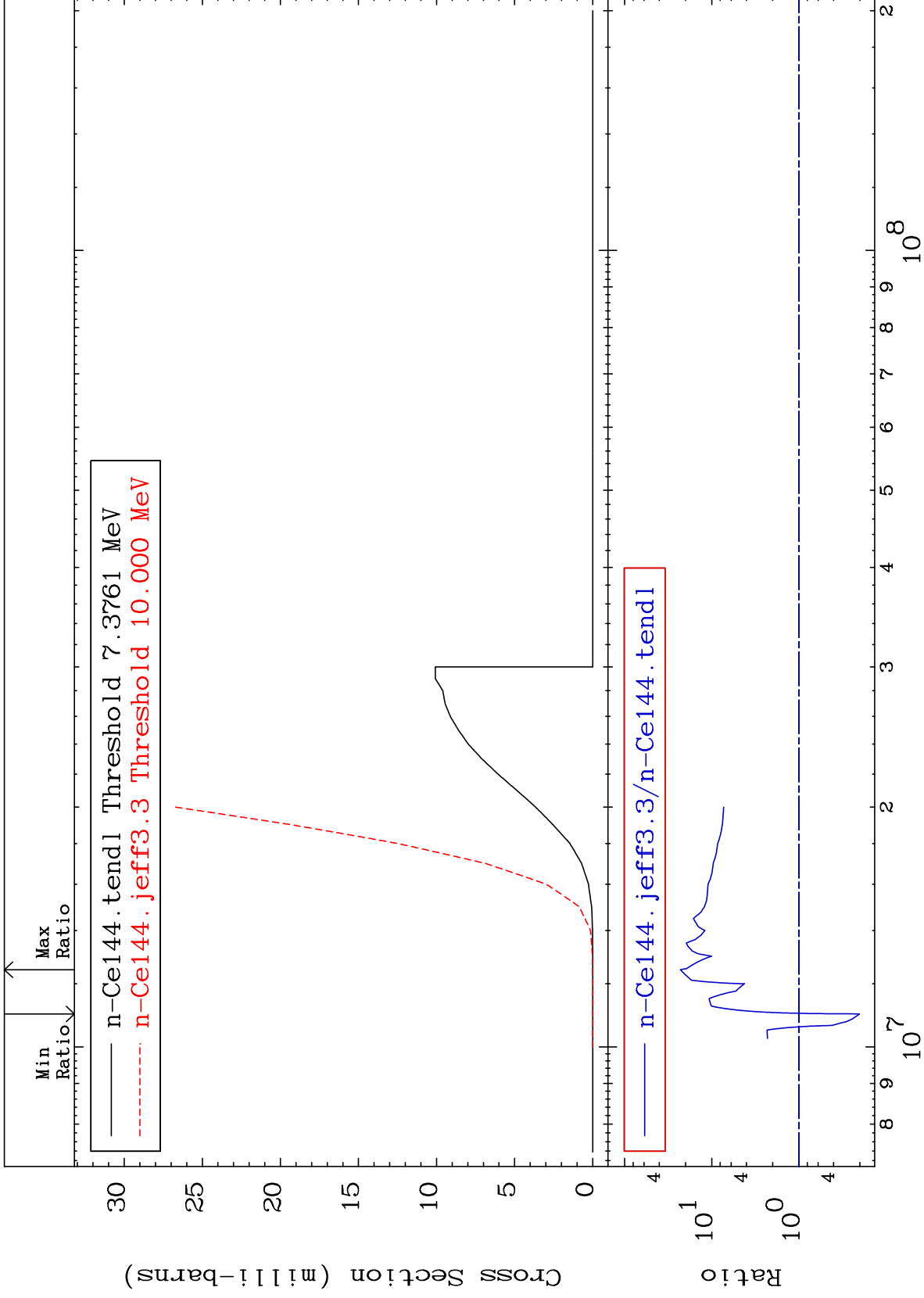
MAT 5849

(n, d)

58-Ce-144

Cross Section

-79.80 To 2195. %



26

58-Ce-144

58-Ce-144

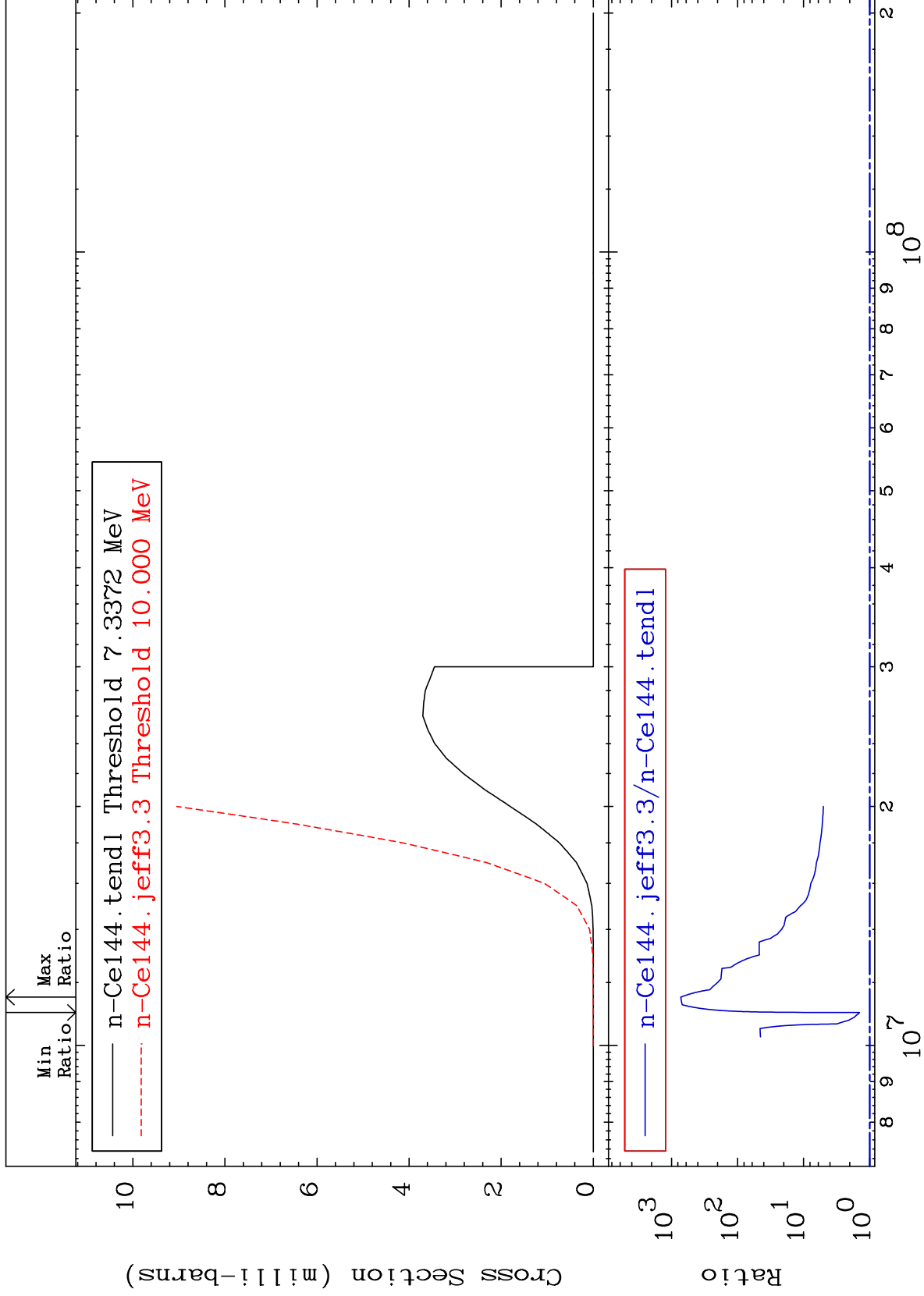
MAT 5849

(n, t)

58-Ce-144

Cross Section

42.26 To 9999. %



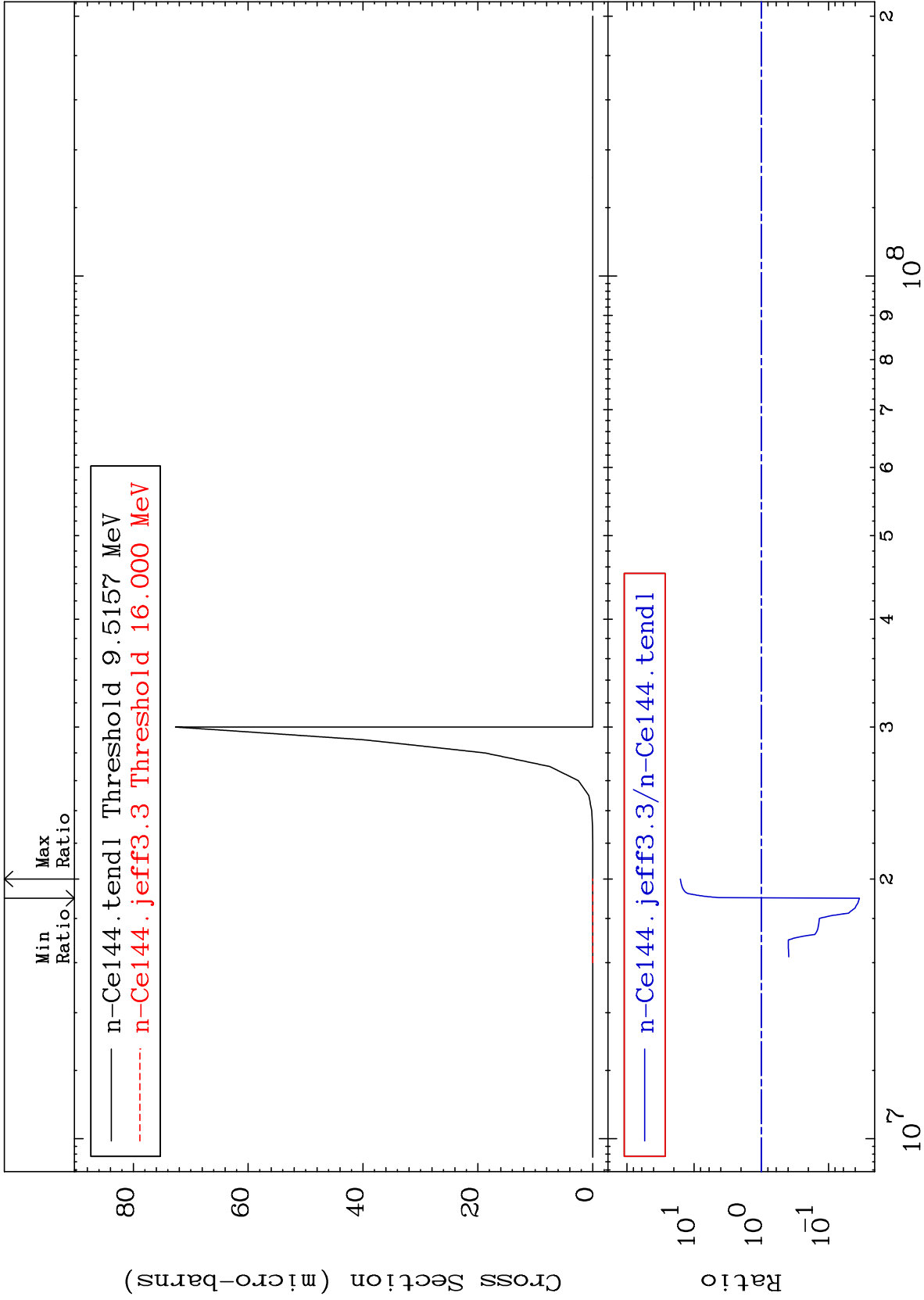
MAT 5849

(n, He-3)

58-Ce-144

Cross Section

-96.54 To 1502. %



28

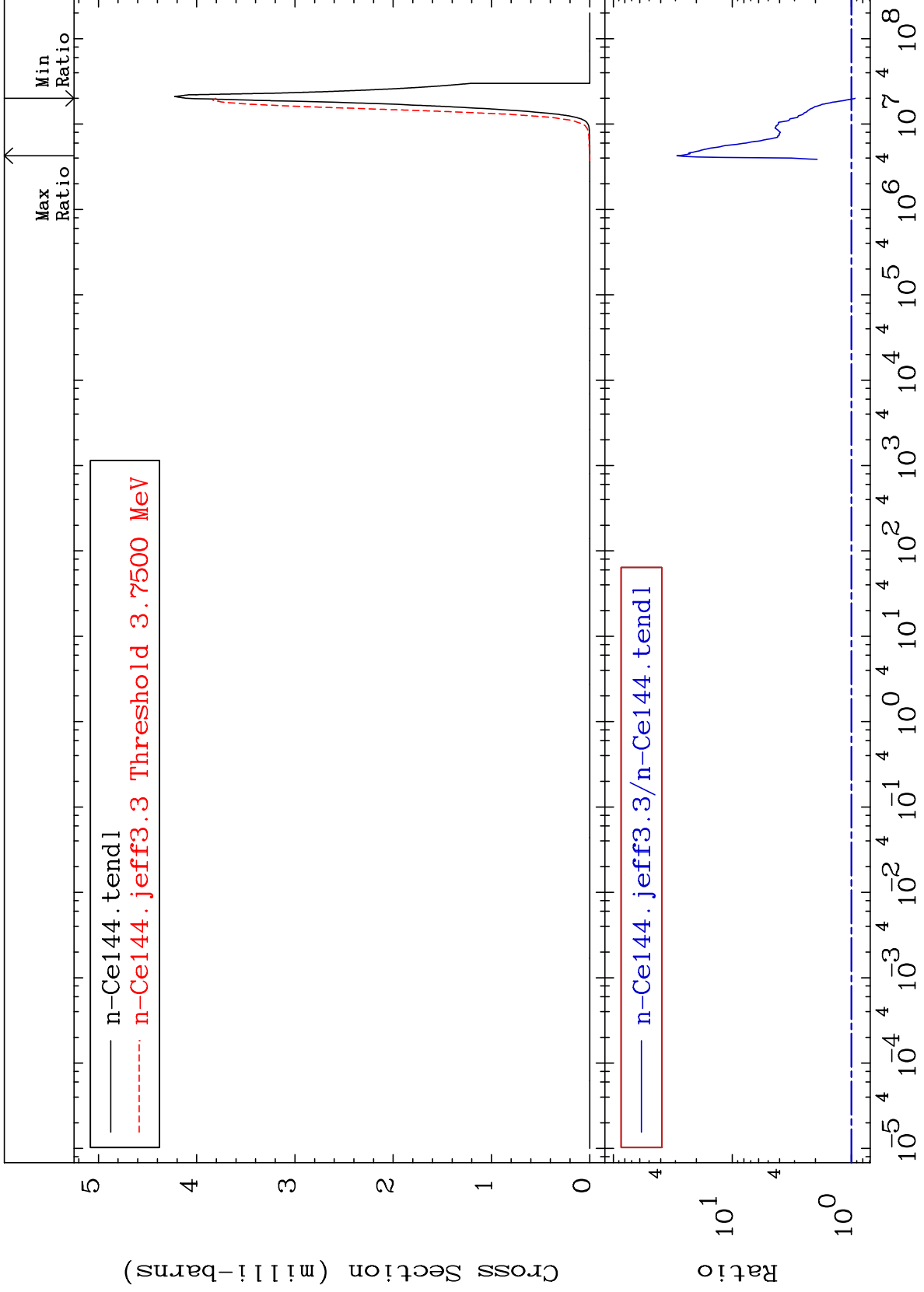
Incident Energy (eV)

58-Ce-144

MAT 5849

(n,  $\alpha$ )  
Cross Section

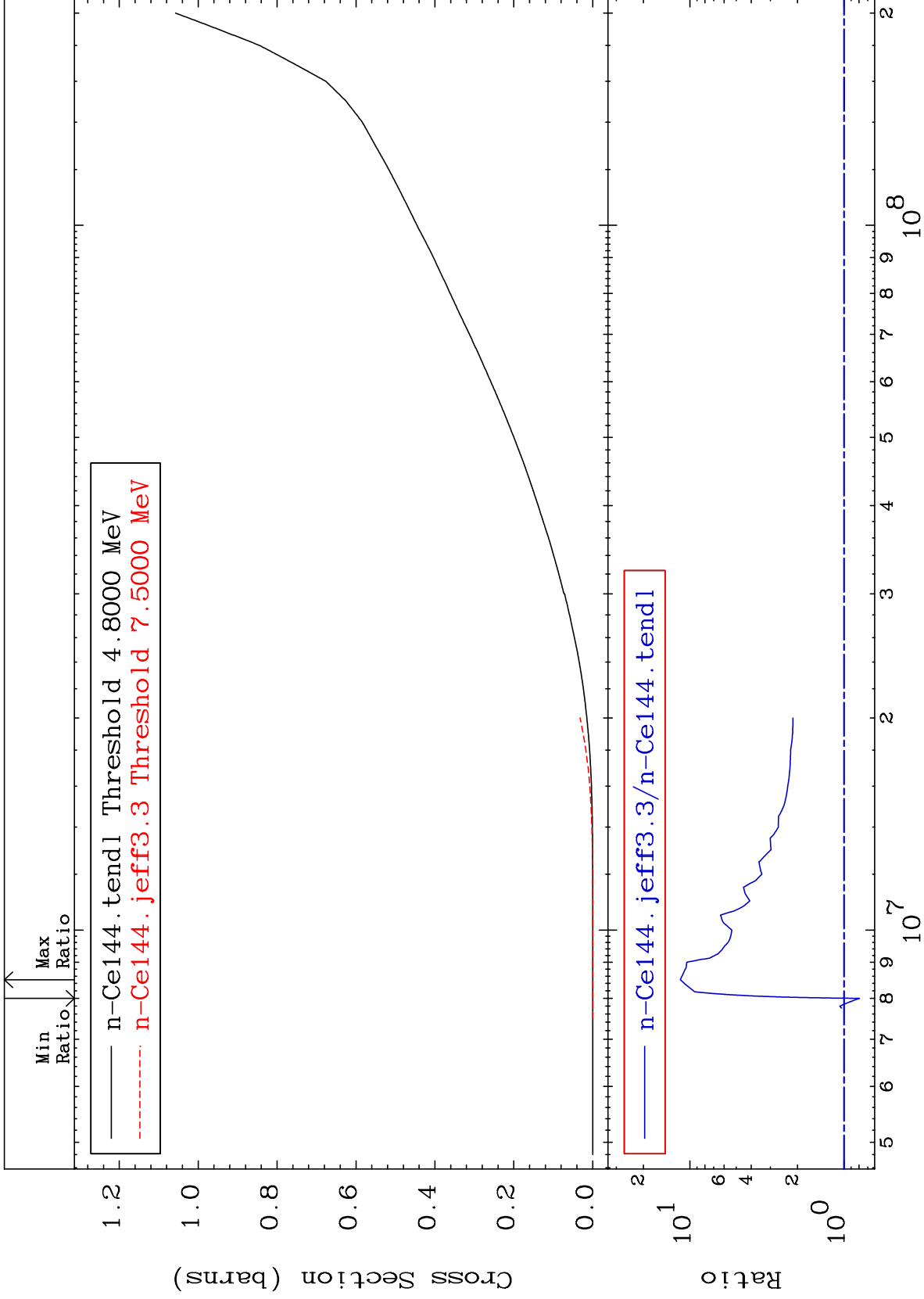
58-Ce-144  
-7.133 To 2819. %



MAT 5849

Hydrogen Production  
Cross Section

58-Ce-144  
-20.60 To 1053. %



30

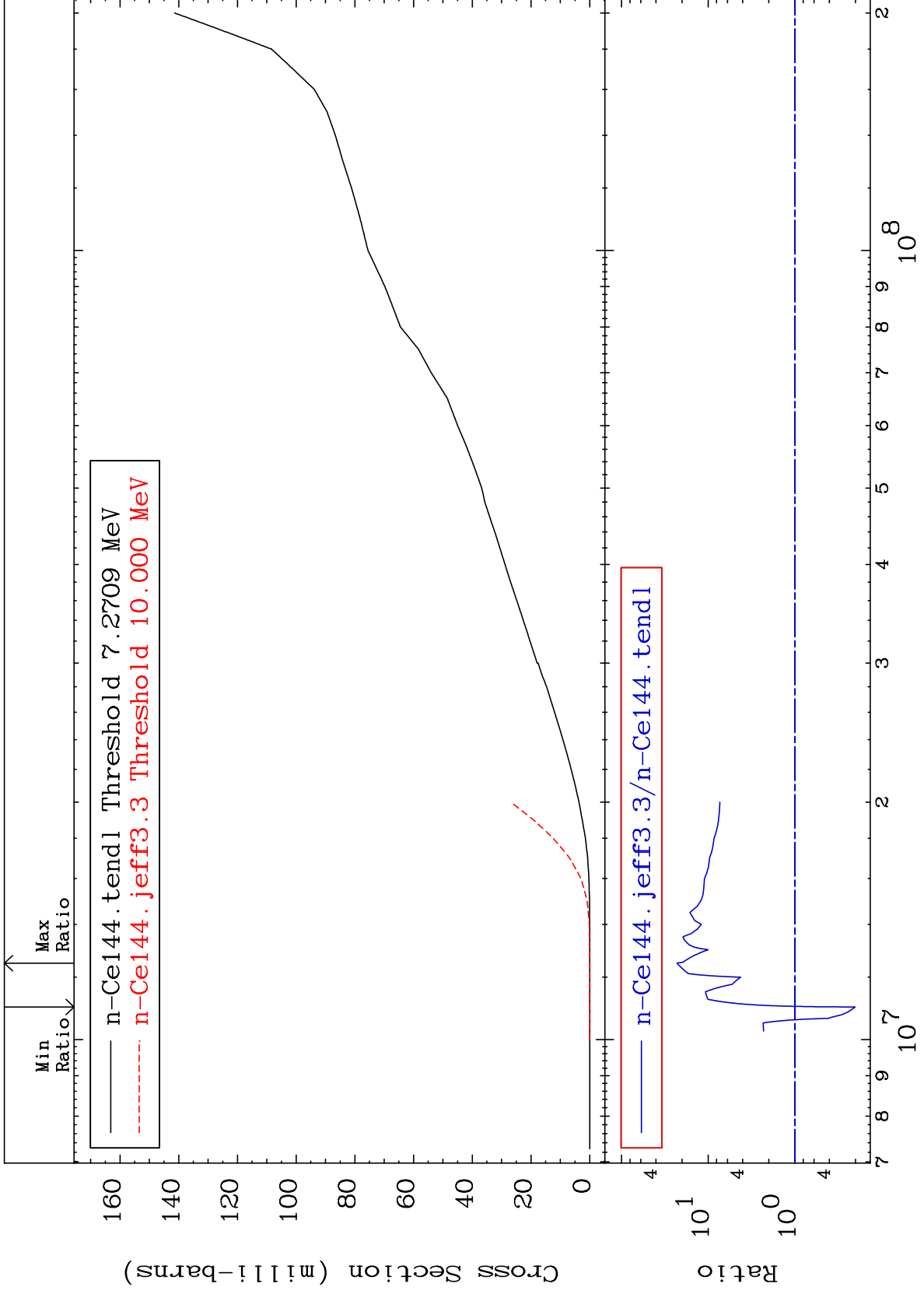
Incident Energy (eV)

58-Ce-144

MAT 5849

Deuterium Production  
Cross Section

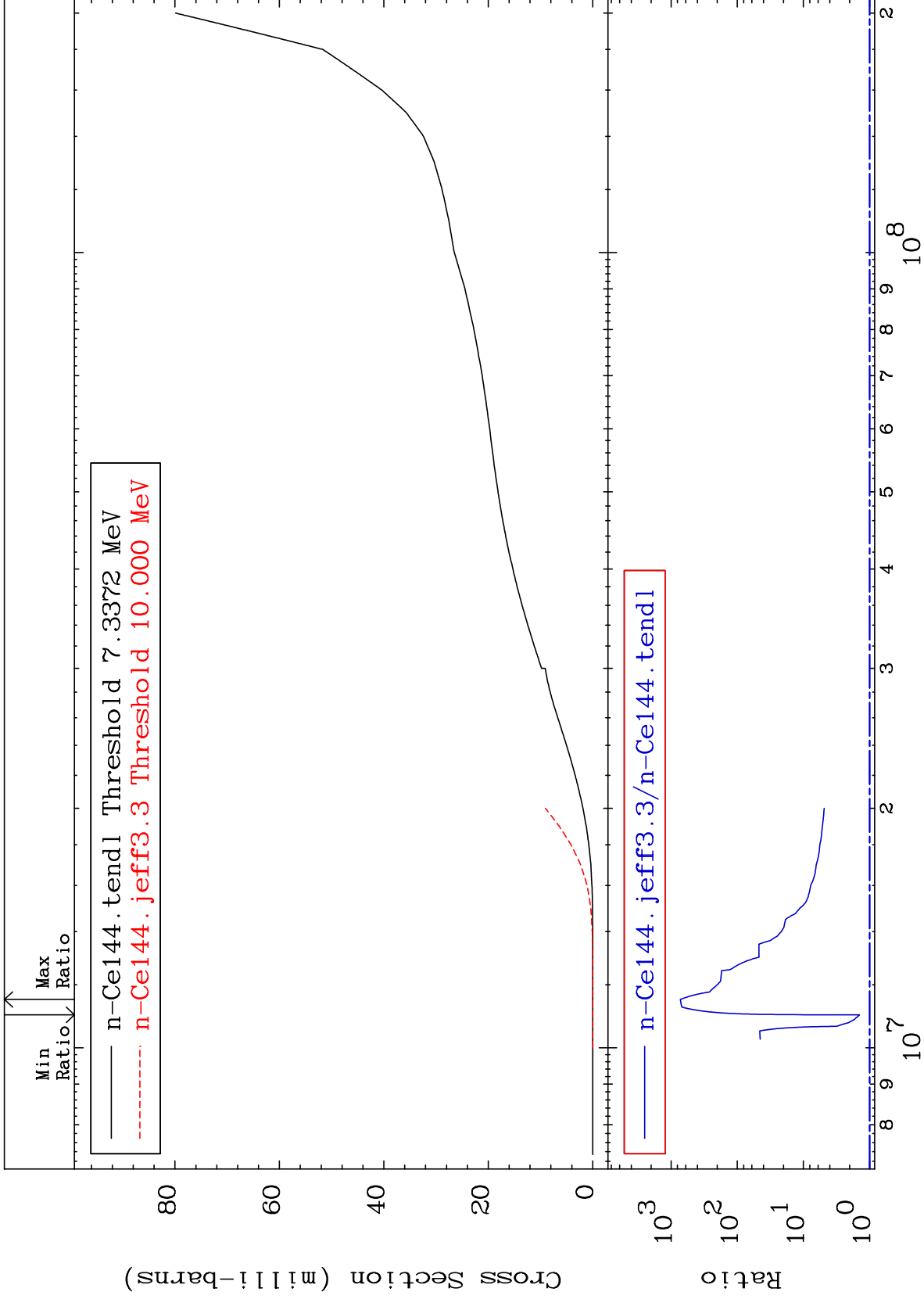
58-Ce-144  
-79.80 To 2195. %



MAT 5849

Tritium Production  
Cross Section

58-Ce-144  
42.26 To 9999. %

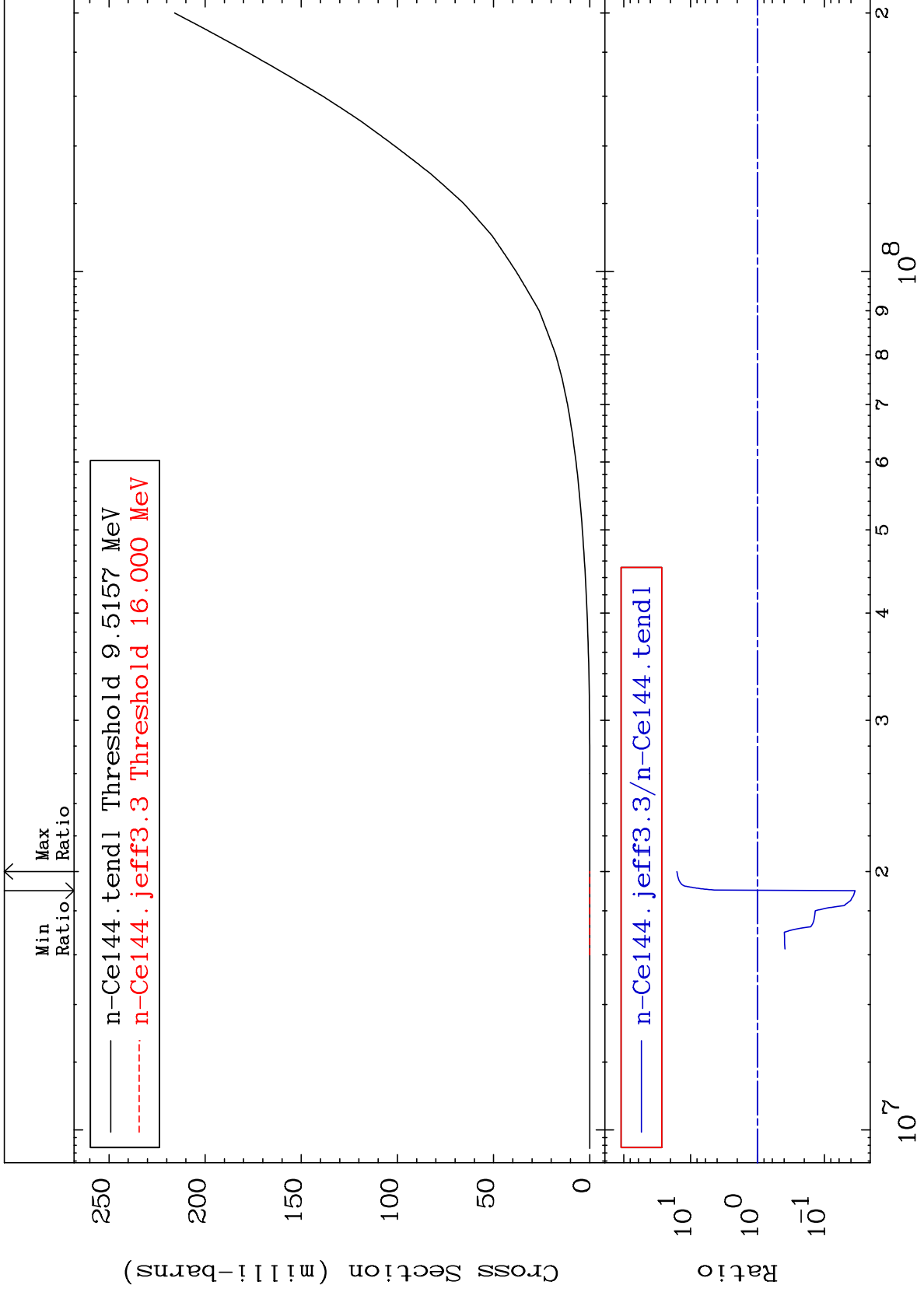




MAT 5849

He-3 Production  
Cross Section

58-Ce-144  
-96.54 To 1502. %



33

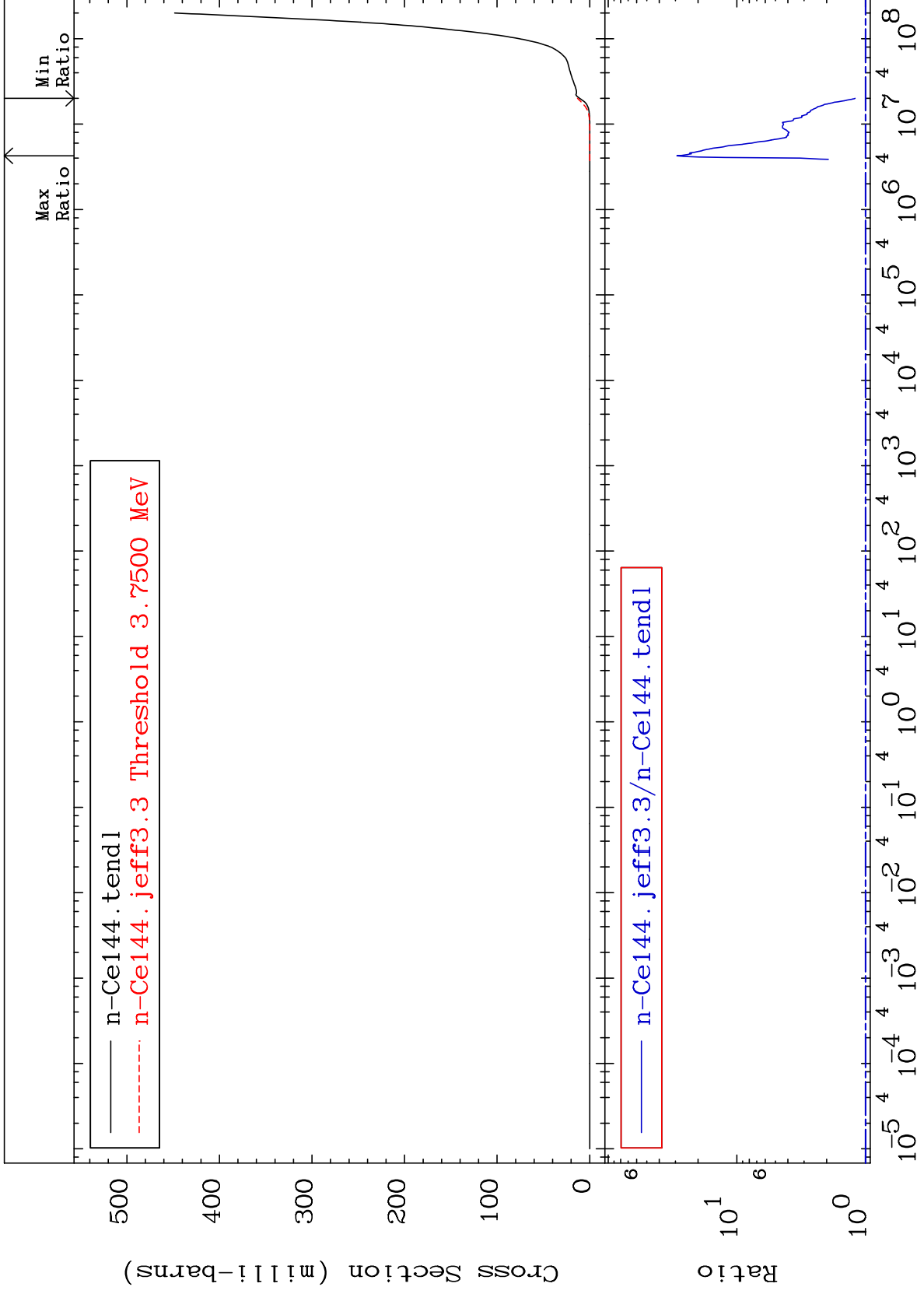
Incident Energy (eV)

58-Ce-144

MAT 5849

He-4 Production  
Cross Section

58-Ce-144  
20.28 To 2819. %



34

58-Ce-144

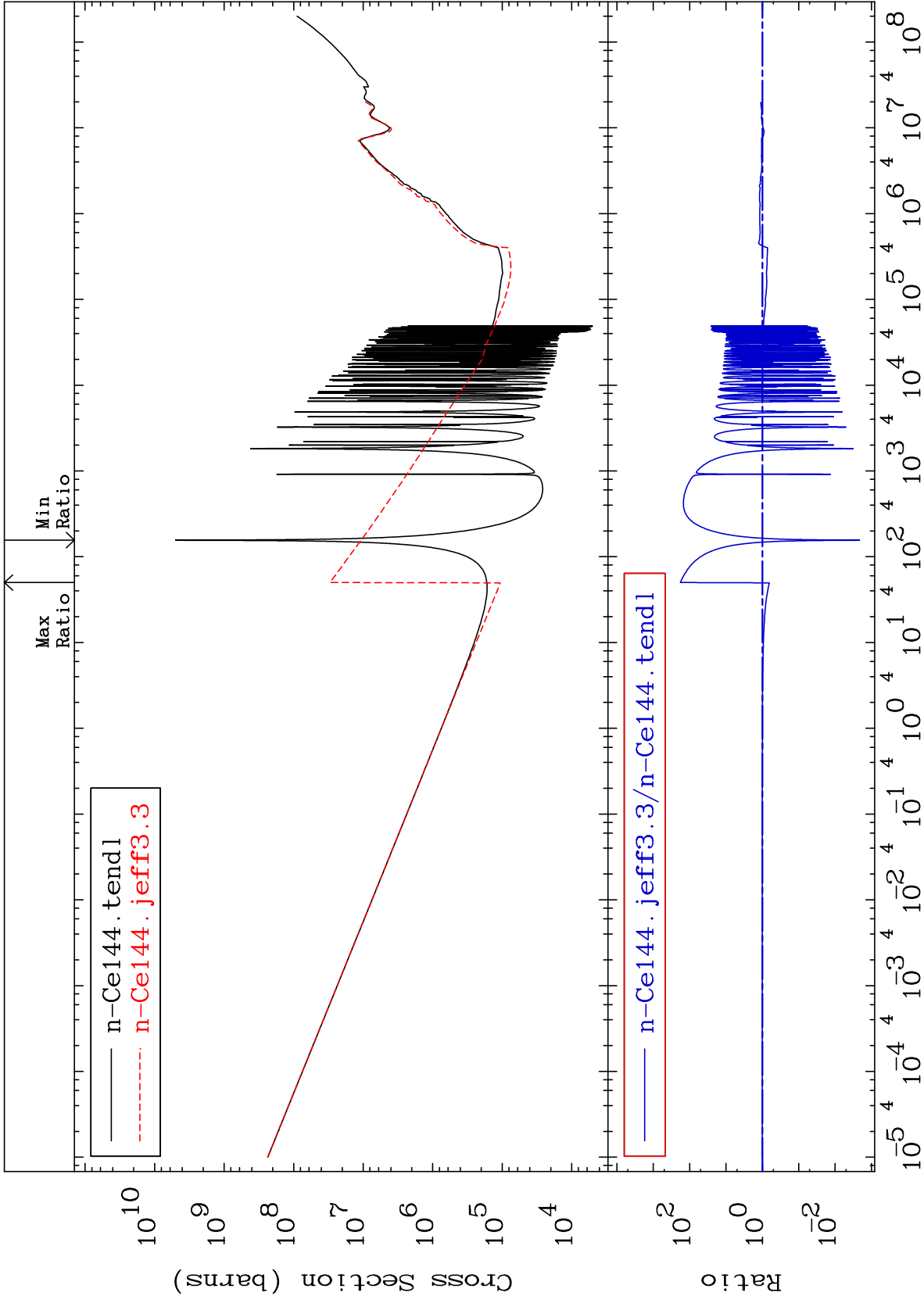
MAT 5849

Kerma total (eV-barns)

58-Ce-144

-99.79 To 9999. %

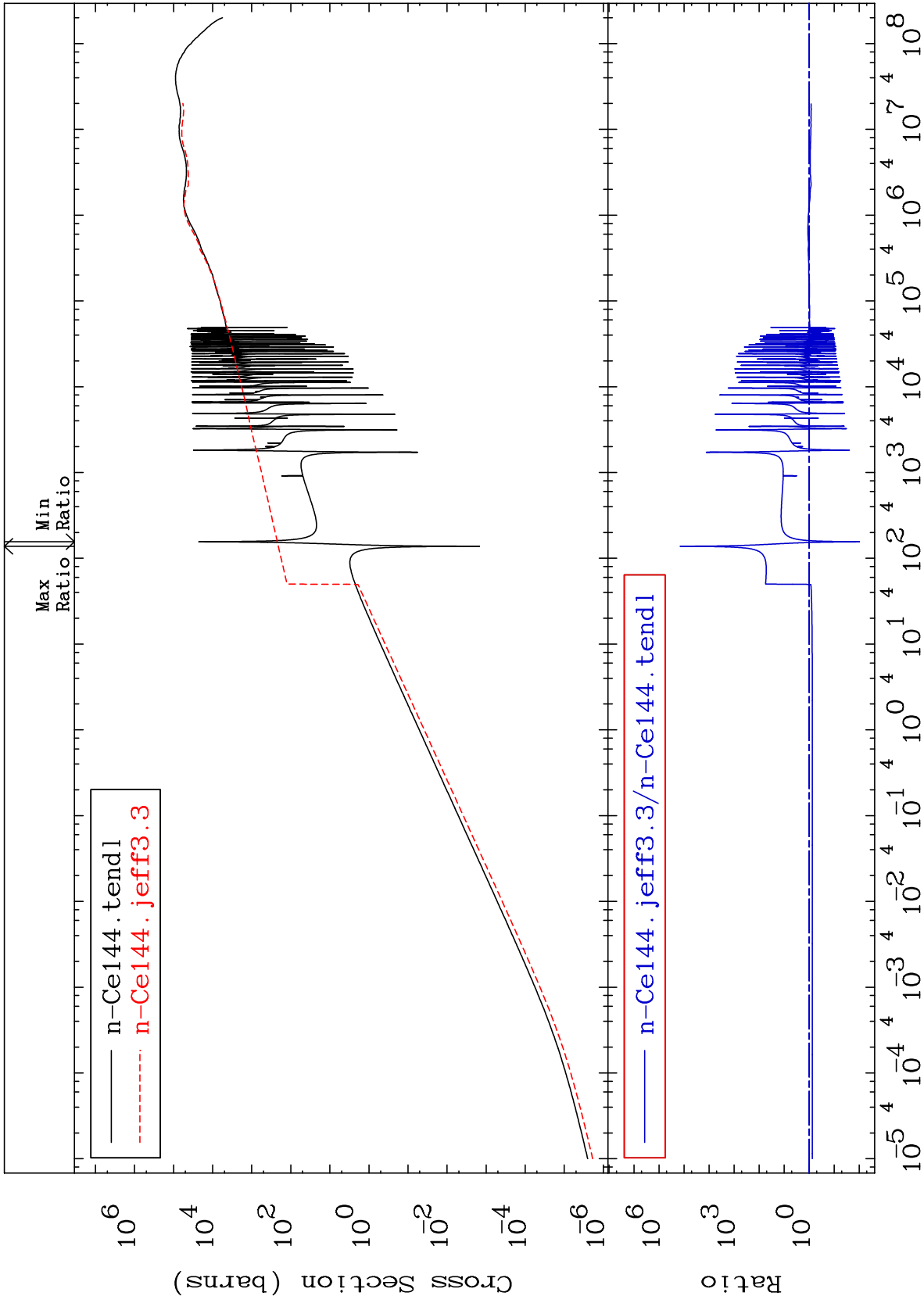
Cross Section

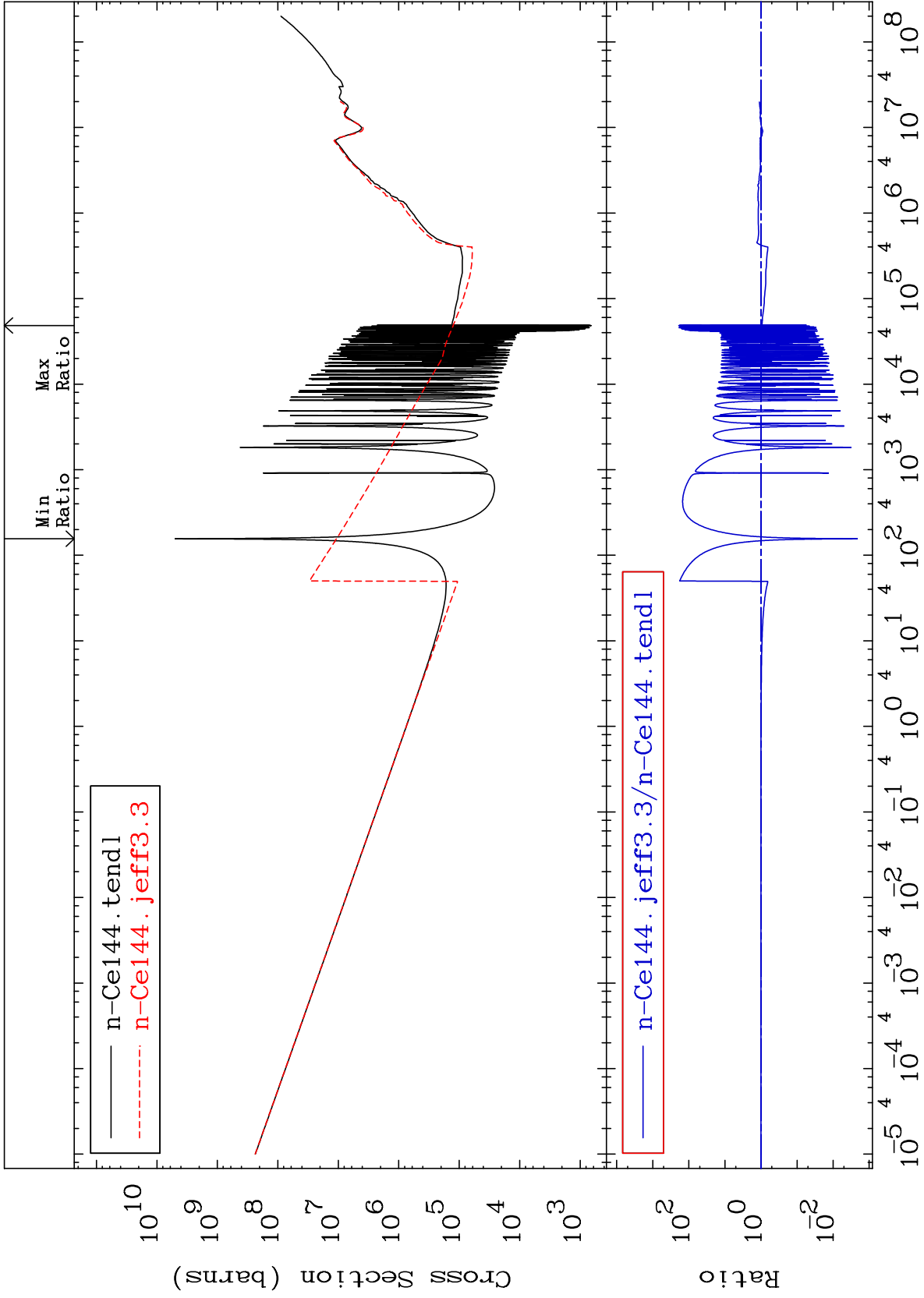


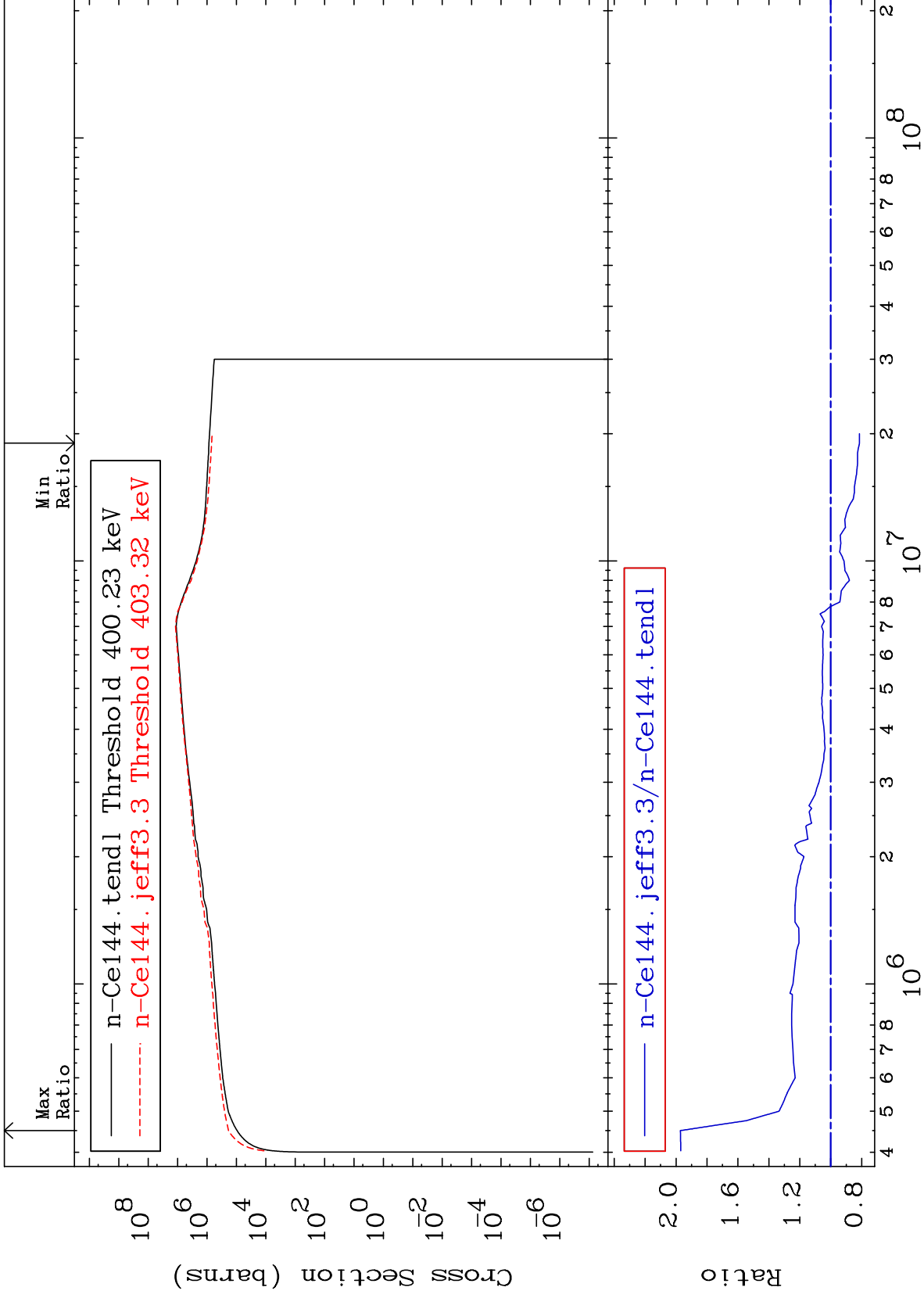
35

Incident Energy (eV)

58-Ce-144



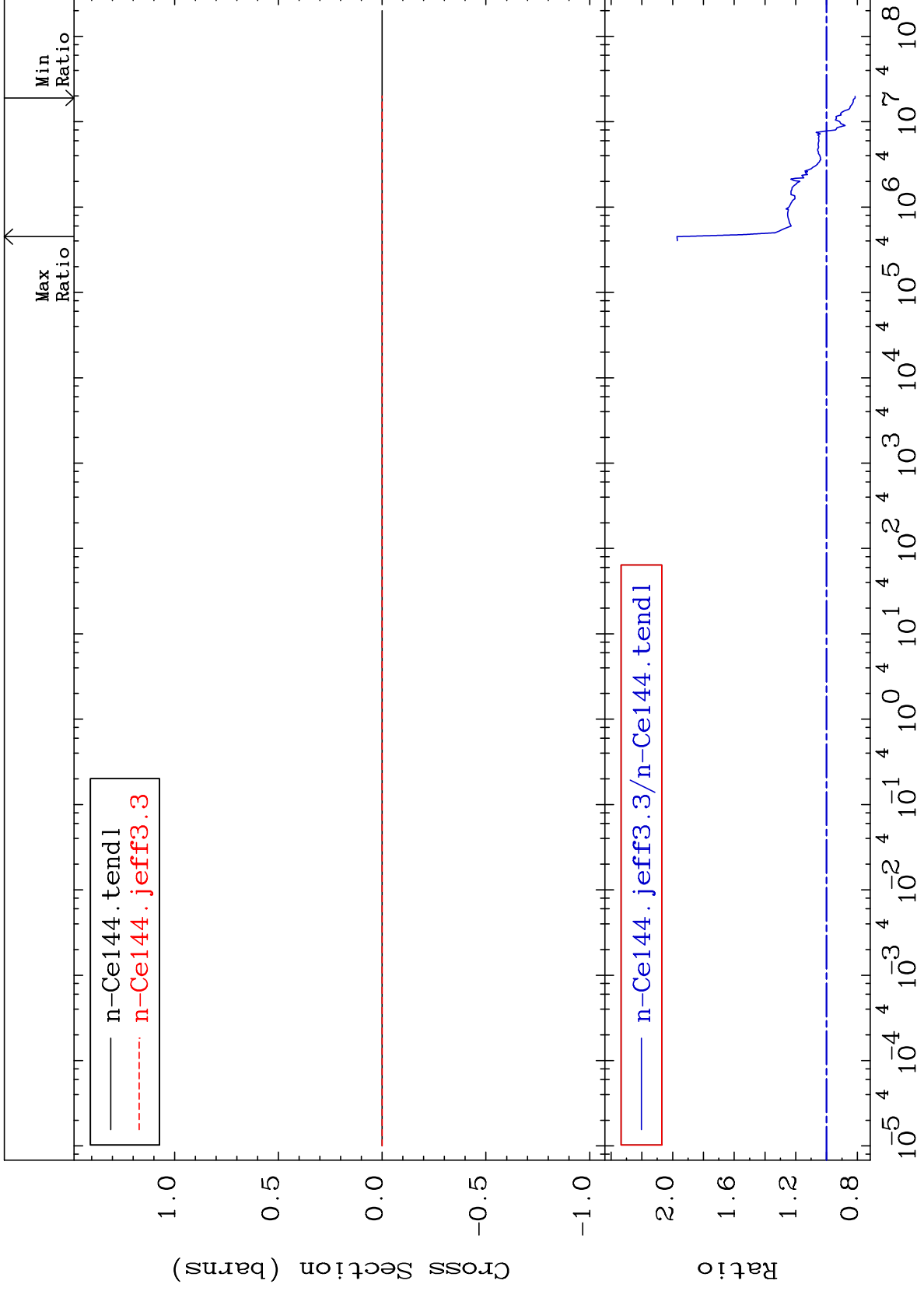




MAT 5849

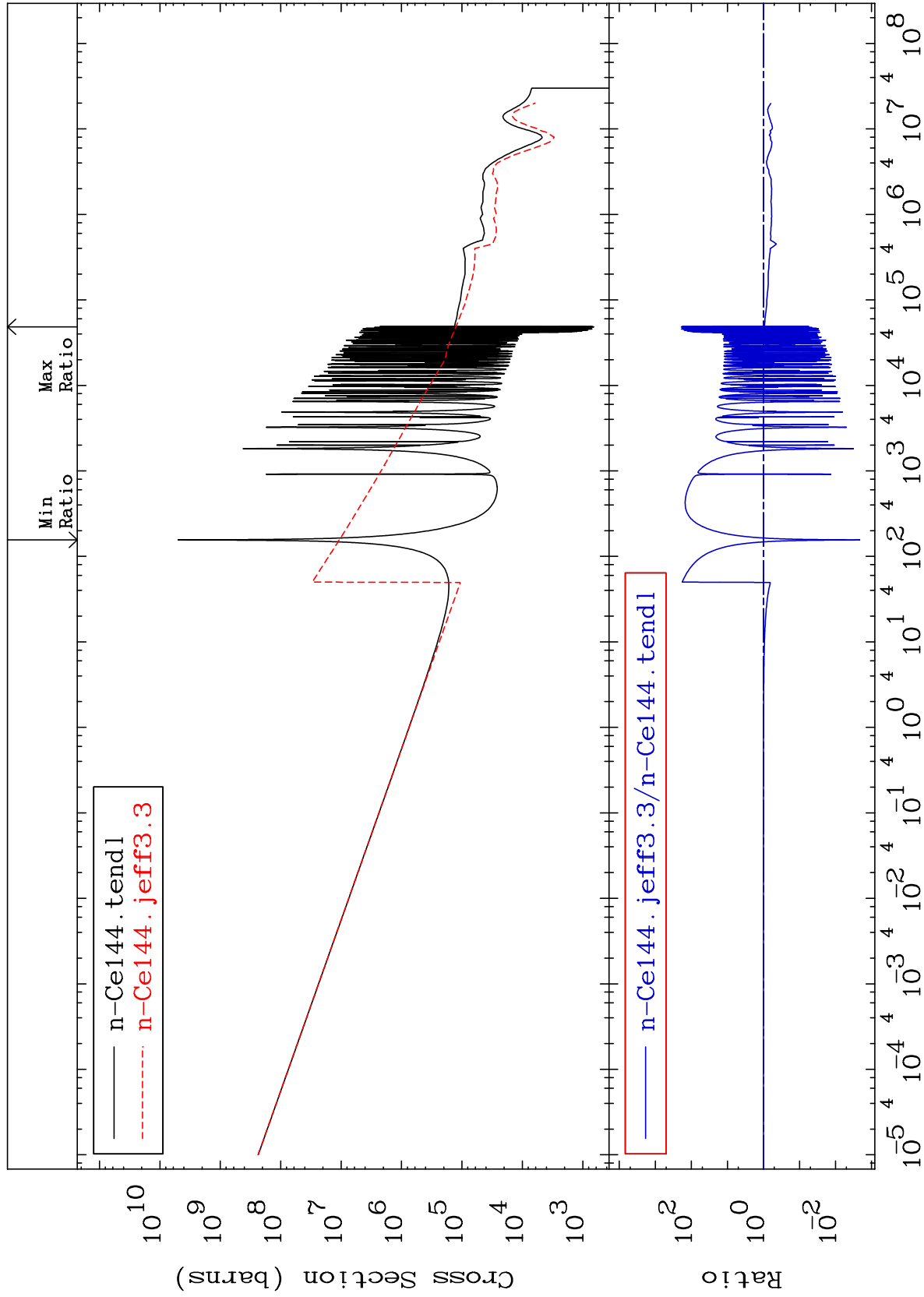
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

58-Ce-144  
-18.55 To 97.22 %



MAT 5849

Kerma capture (mt102) 58-Ce-144  
Cross Section -99.79 To 9999. %



40

Incident Energy (eV)

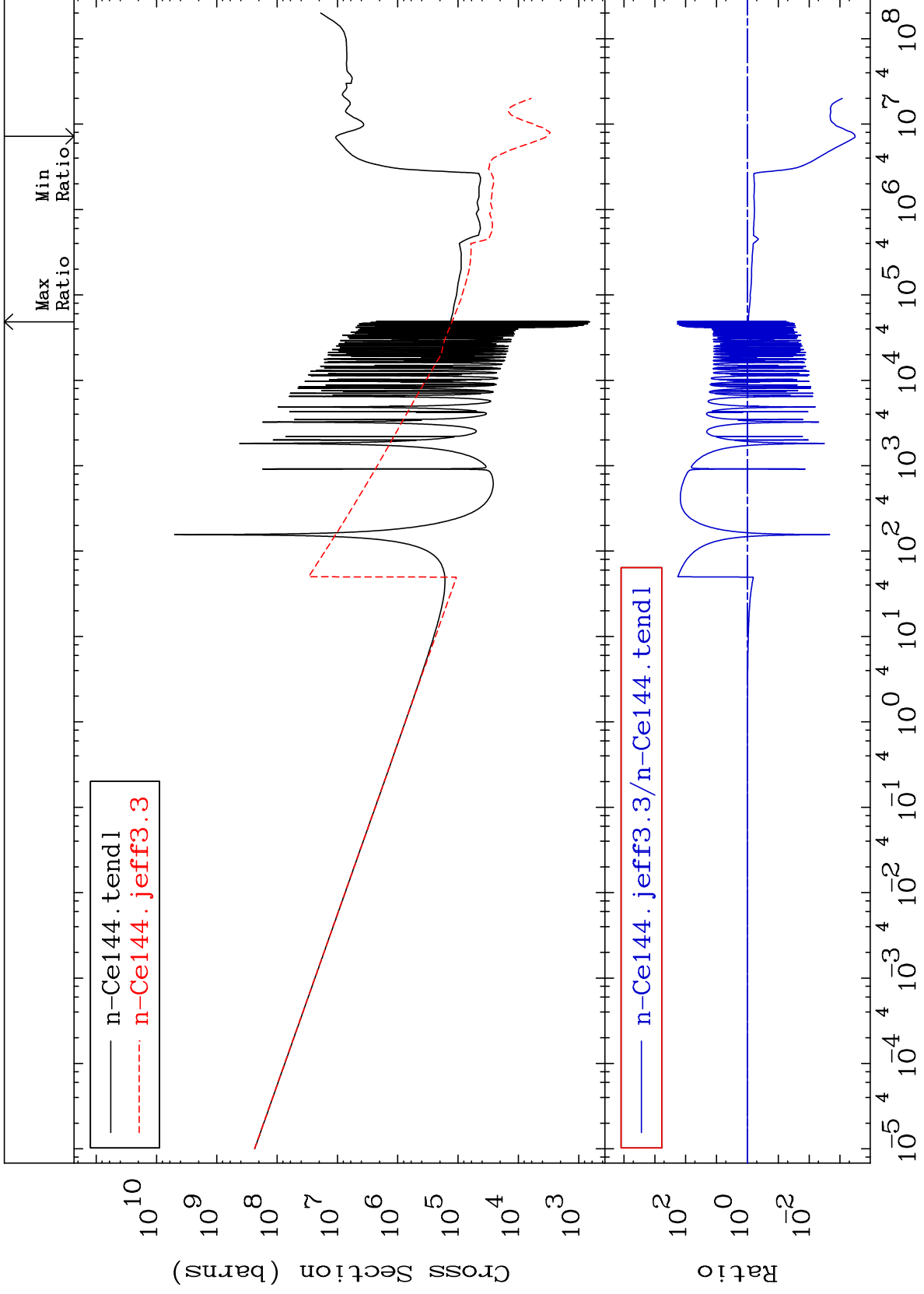
58-Ce-144



MAT 5849

Total photon (eV-barns)  
Cross Section

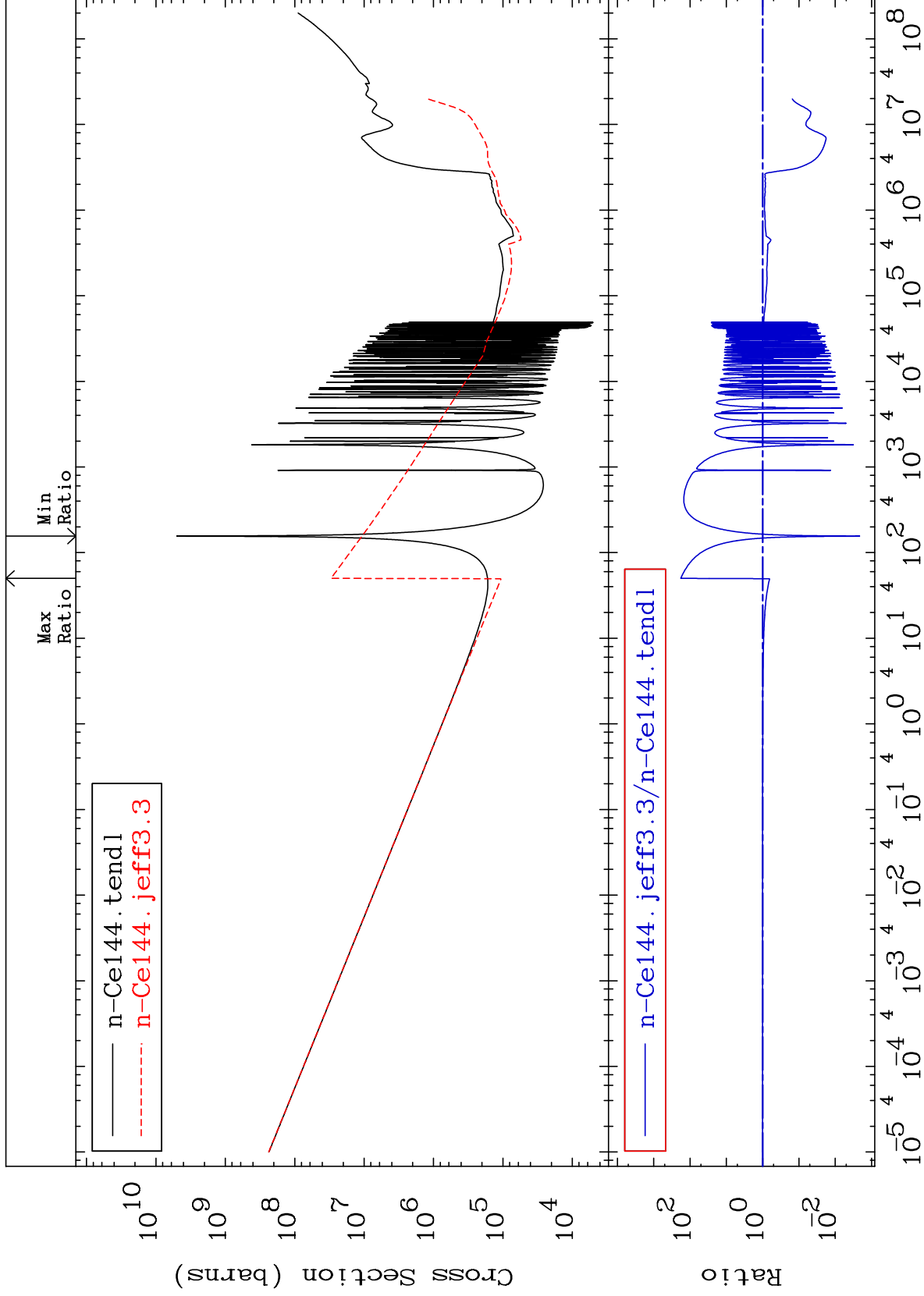
58-Ce-144  
-99.97 To 9999. %



41

Incident Energy (eV)

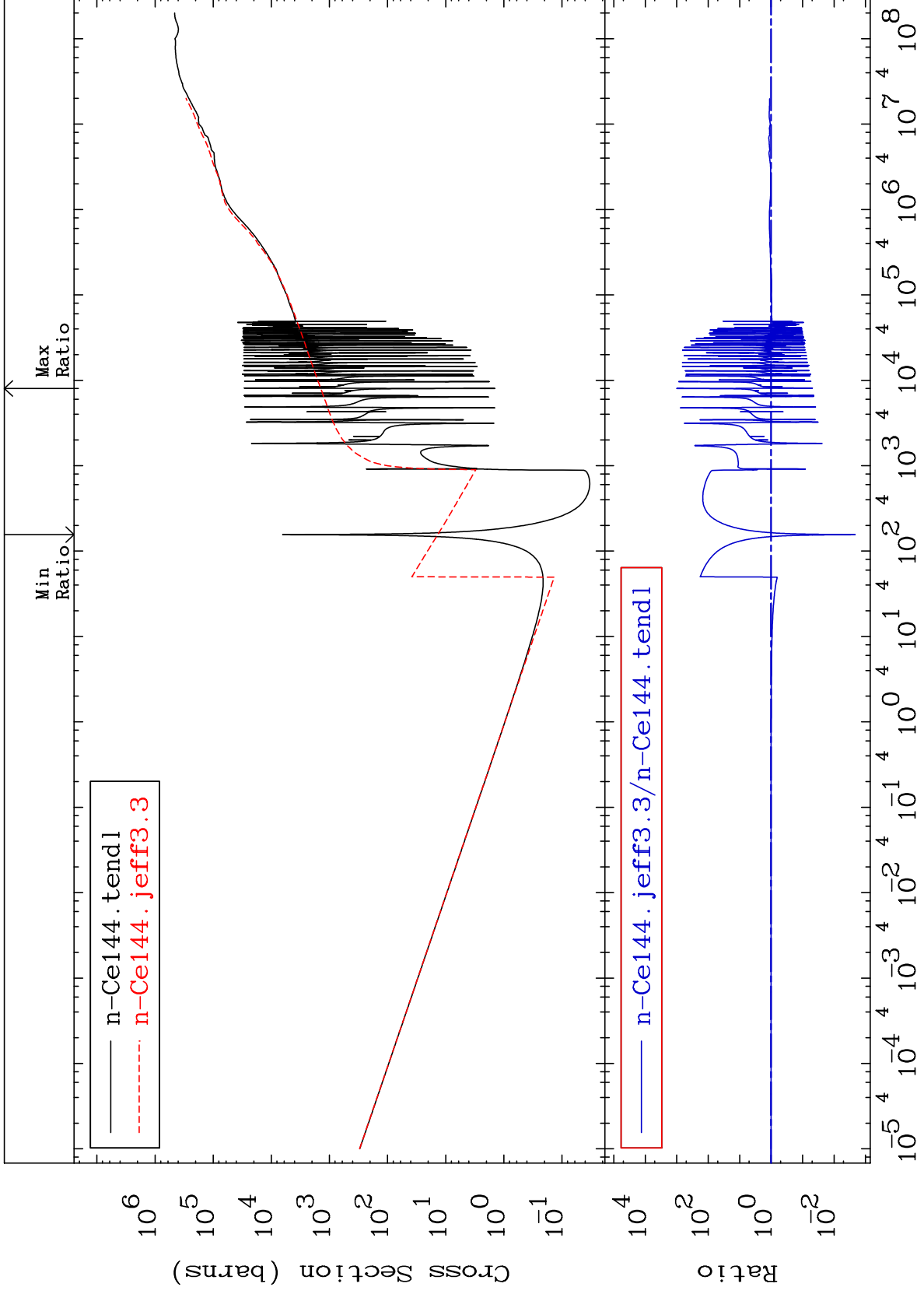
58-Ce-144



MAT 5849

Dpa total (eV-barns)  
Cross Section

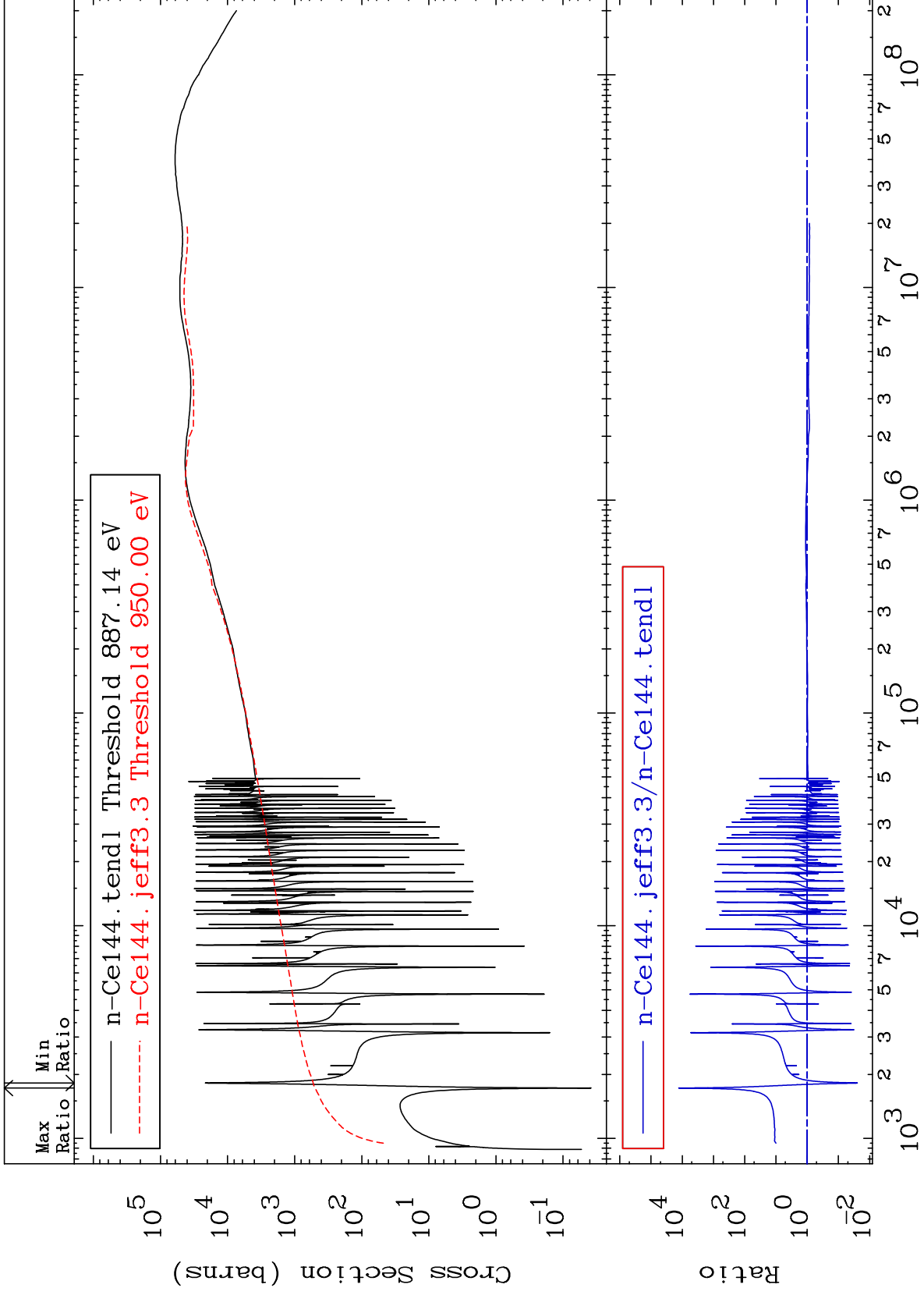
58-Ce-144  
-99.79 To 9999. %



MAT 5849

Dpa elastic (mt2)  
Cross Section

58-Ce-144  
-97.51 To 9999. %



44

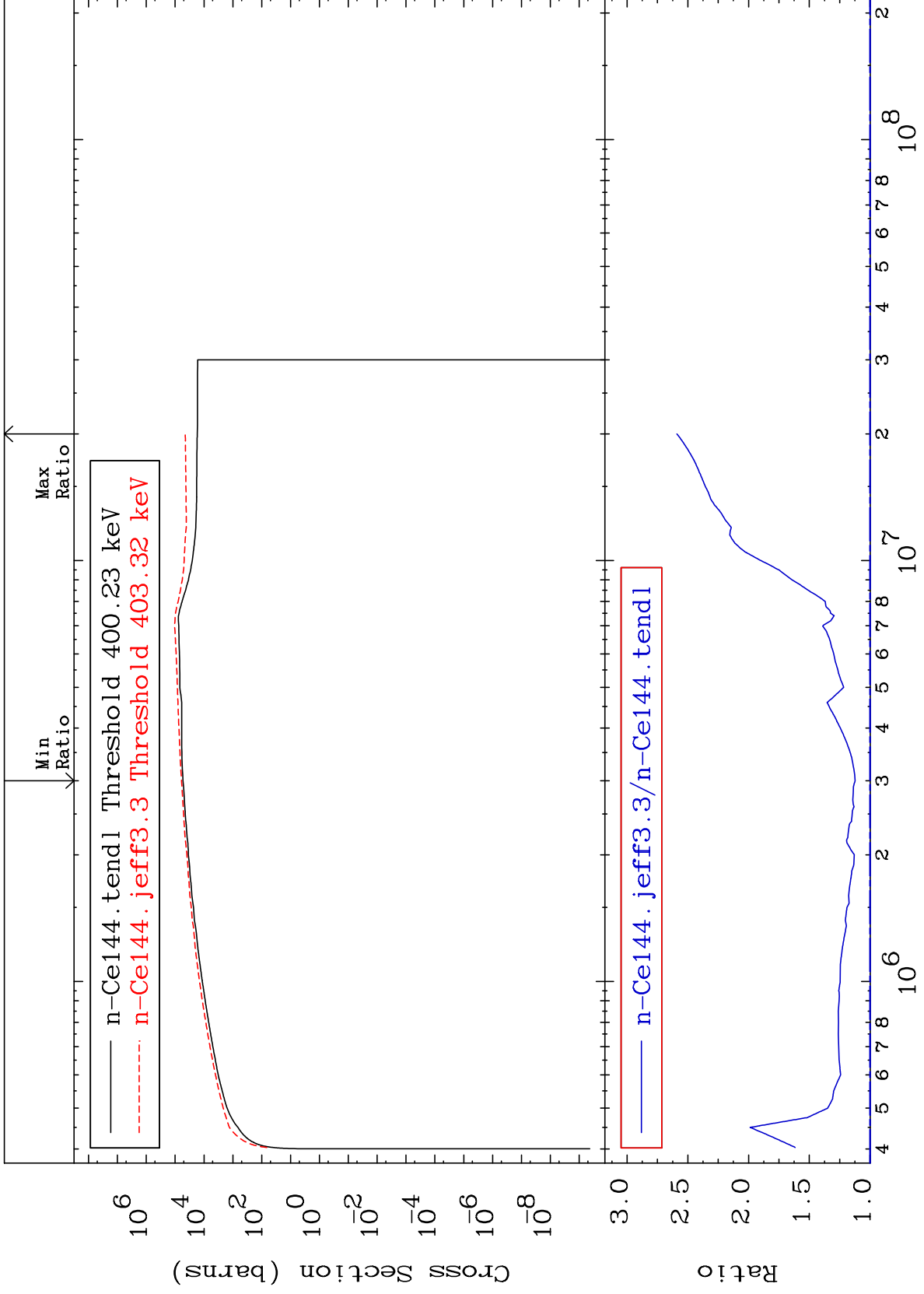
Incident Energy (eV)

58-Ce-144

MAT 5849

Dpa inelastic (mt51-91)  
Cross Section

58-Ce-144  
12.35 To 159.0 %



45

Incident Energy (eV)

58-Ce-144

