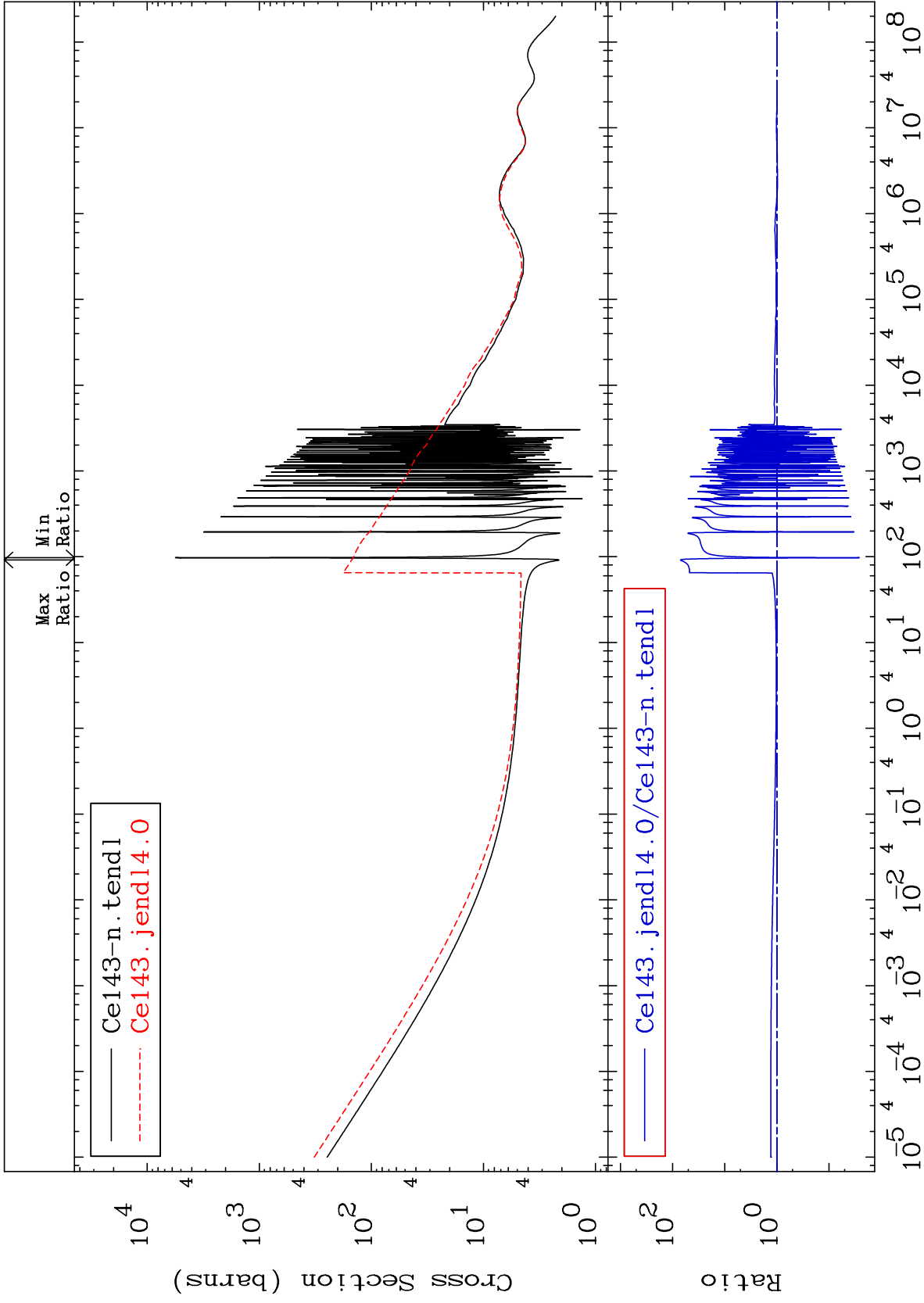


MAT 5846

Total  
Cross Section

58-Ce-143  
-97.40 To 6995. %



Incident Energy (eV)

58-Ce-143

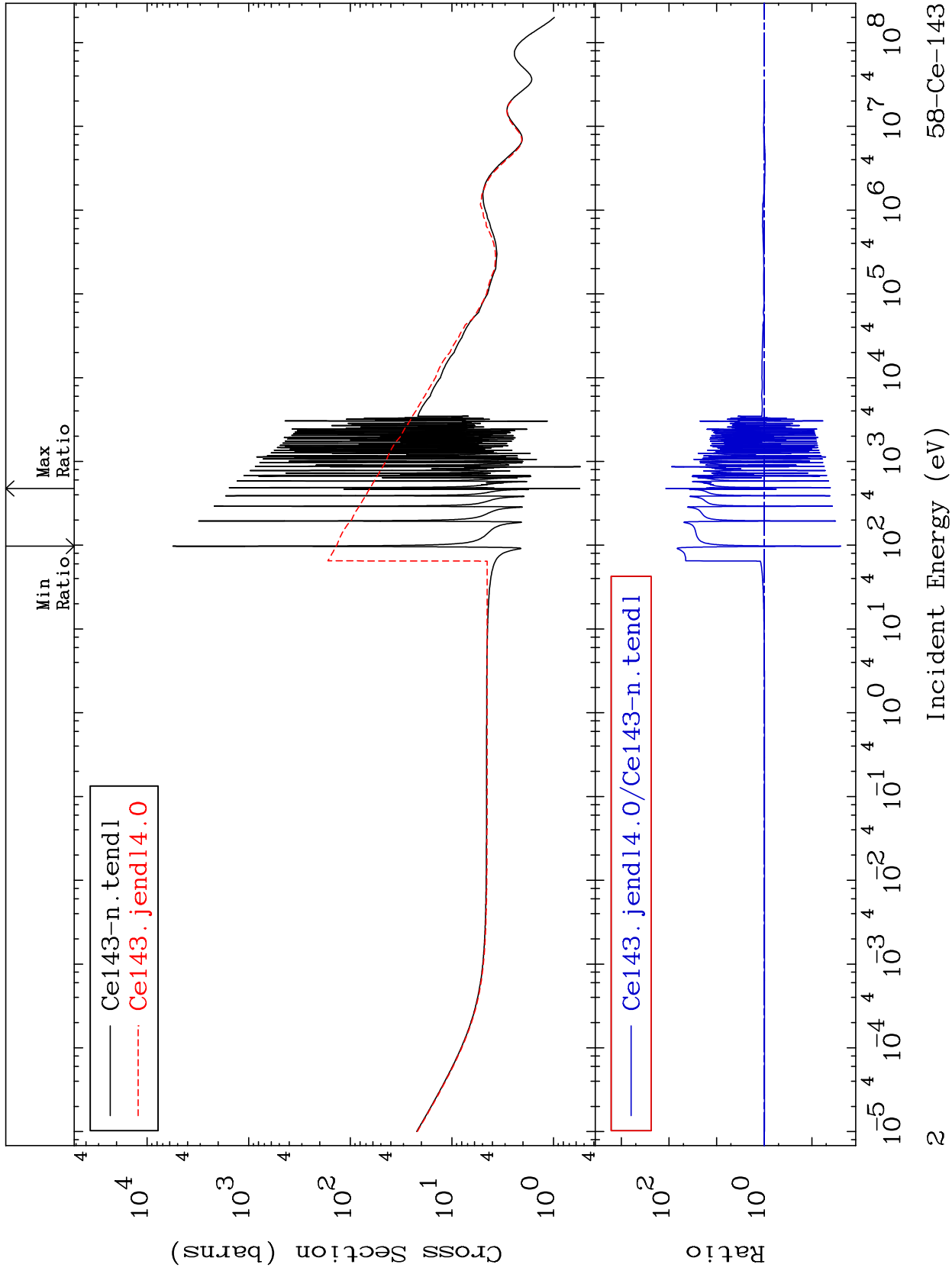
MAT 5846

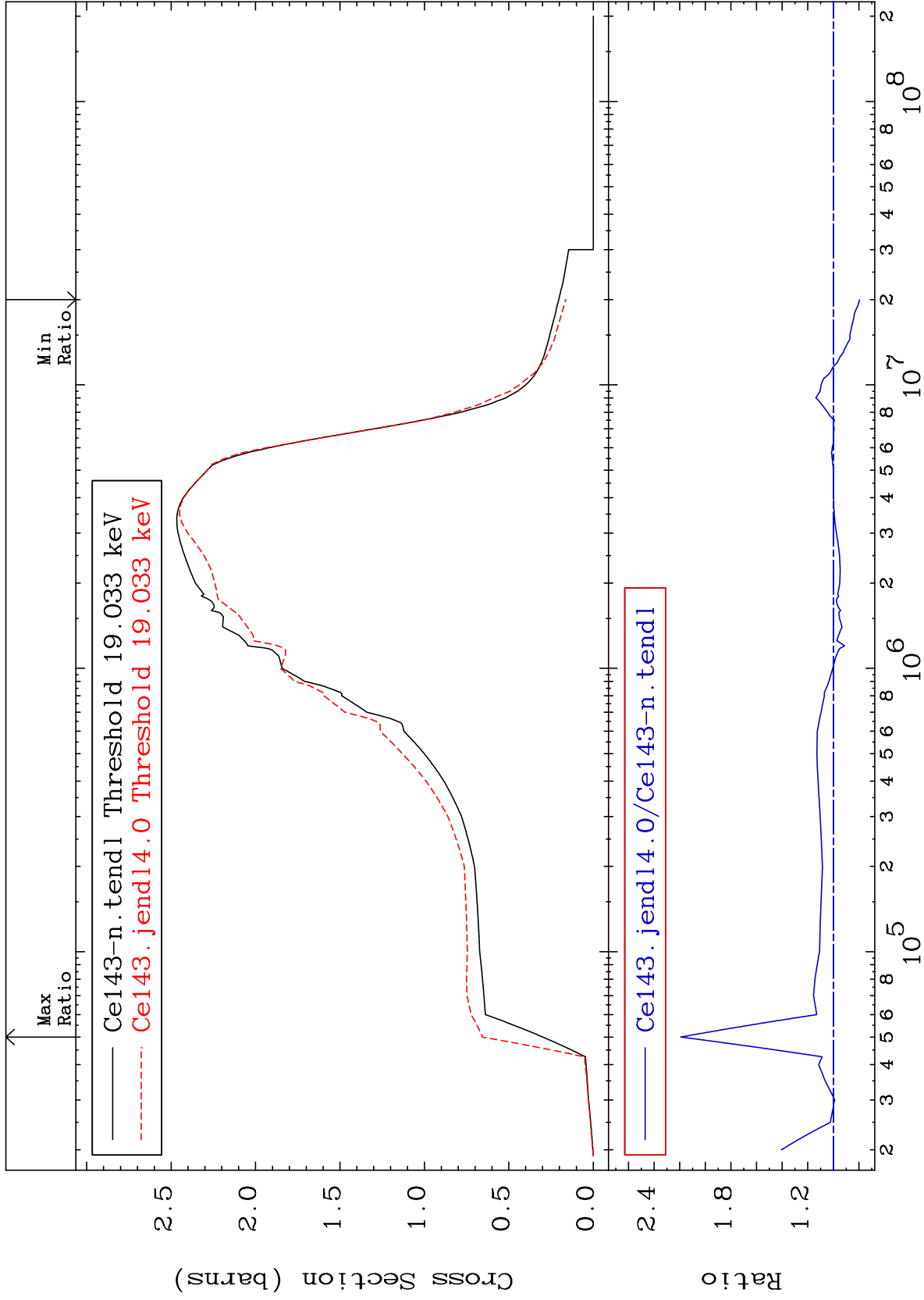
Elastic

58-Ce-143

Cross Section

-97.54 To 9999. %





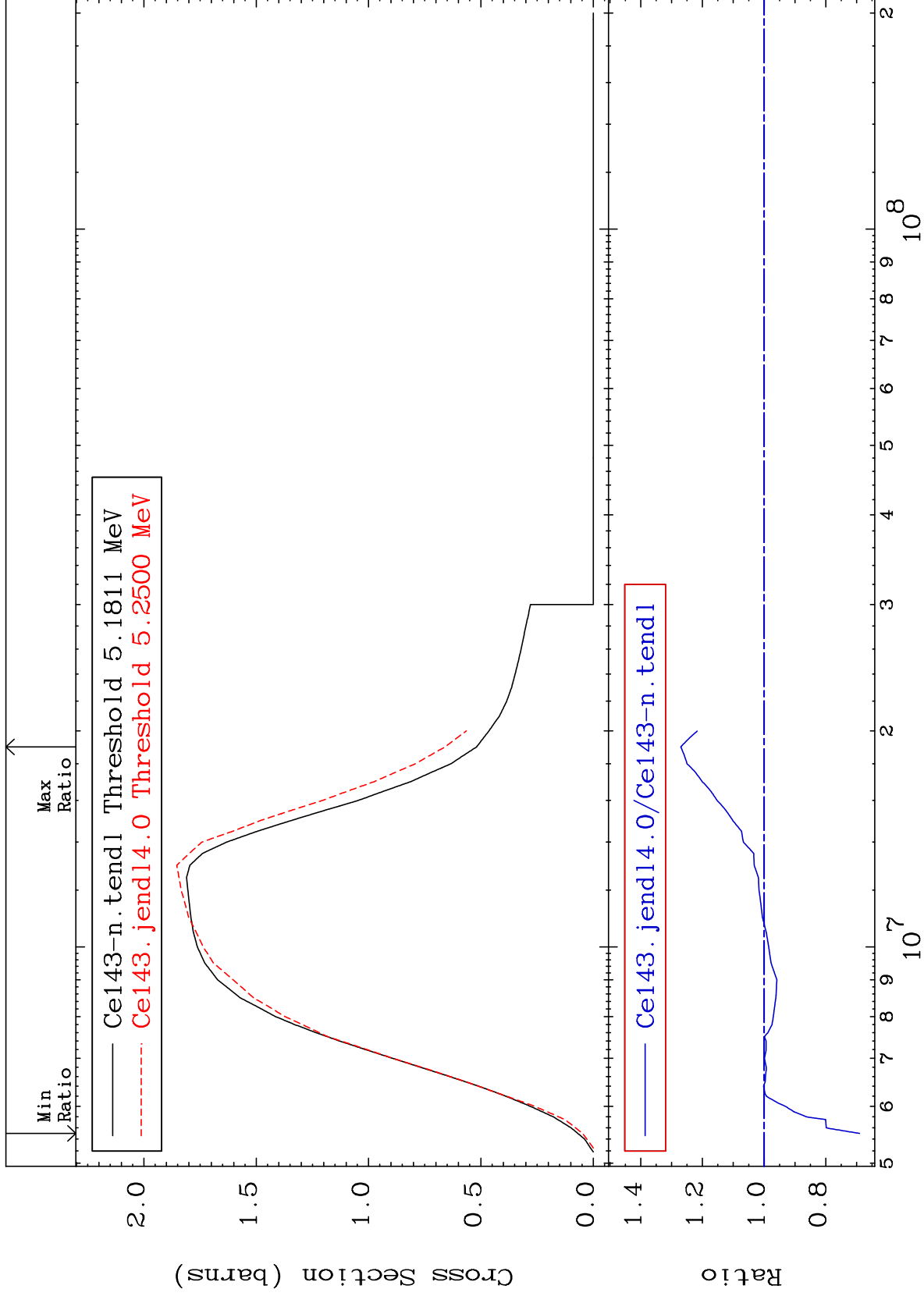
MAT 5846

(n,2n)

58-Ce-143

Cross Section

-30.95 To 27.03 %



4

Incident Energy (eV)

58-Ce-143

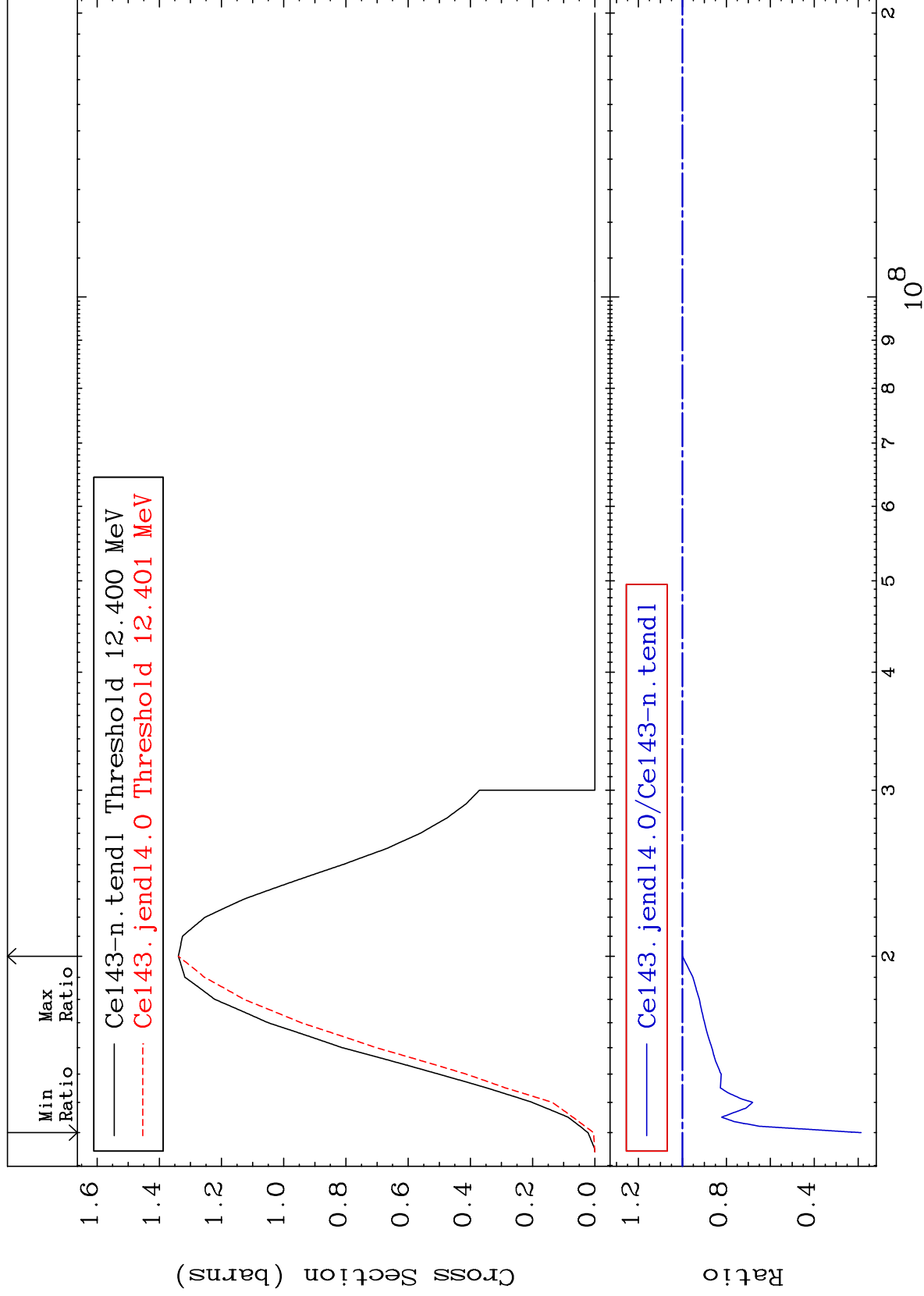
MAT 5846

(n,3n)

58-Ce-143

Cross Section

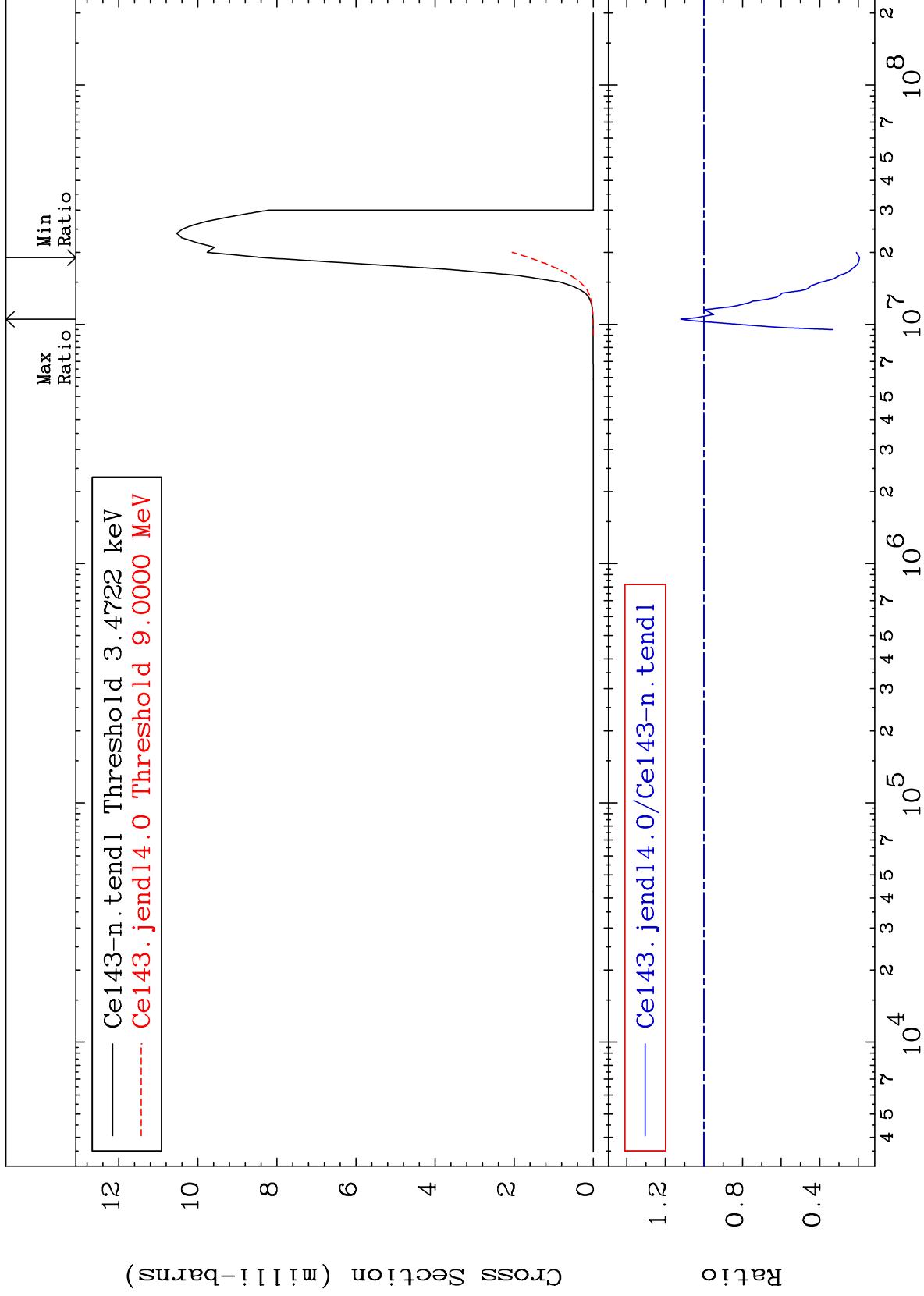
-81.34 To 0.028 %



MAT 5846

$(n, n') \alpha$   
Cross Section

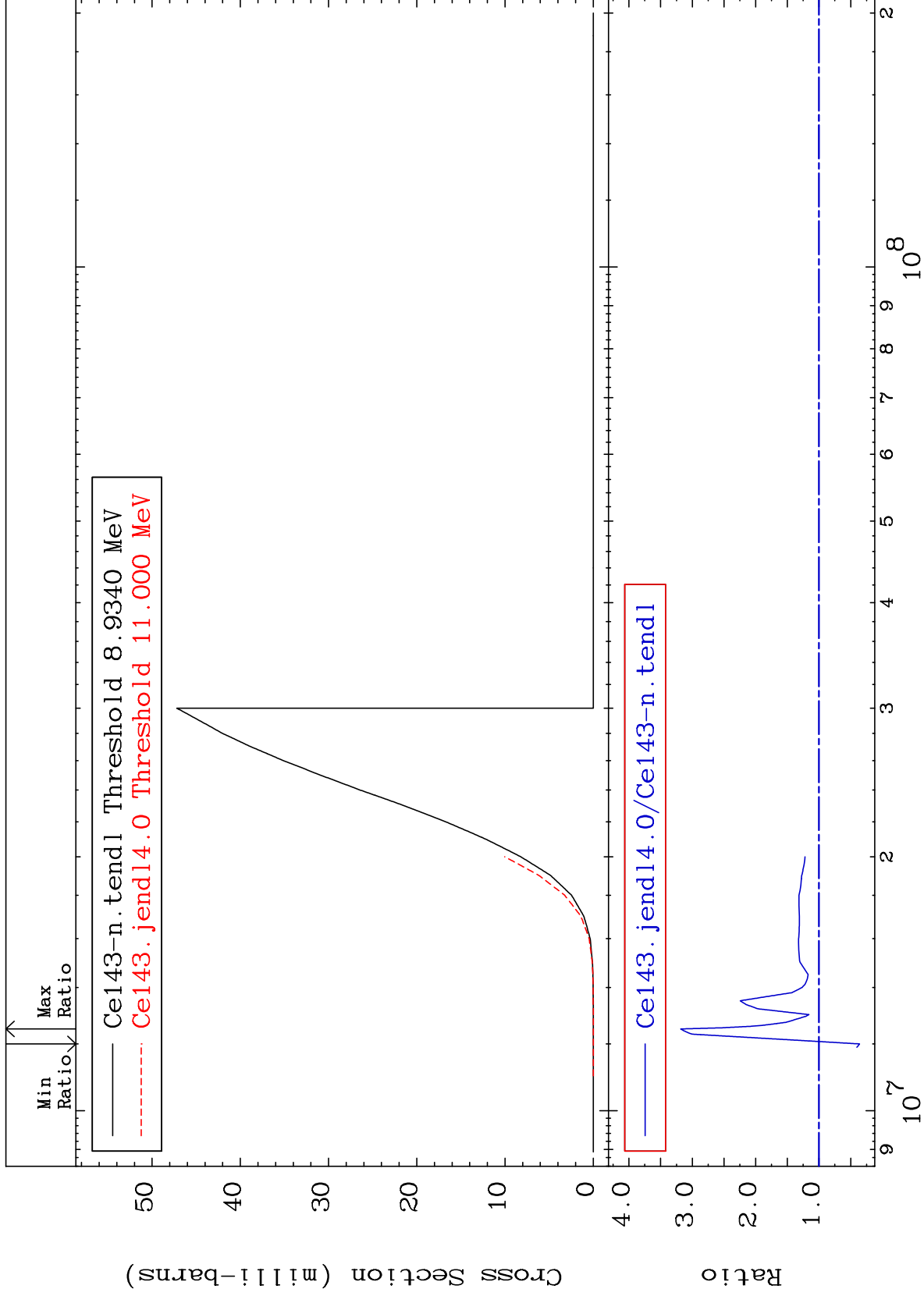
58-Ce-143  
-80.65 To 11.99 %



MAT 5846

(n,n') p  
Cross Section

58-Ce-143  
-63.94 To 218.2 %



7

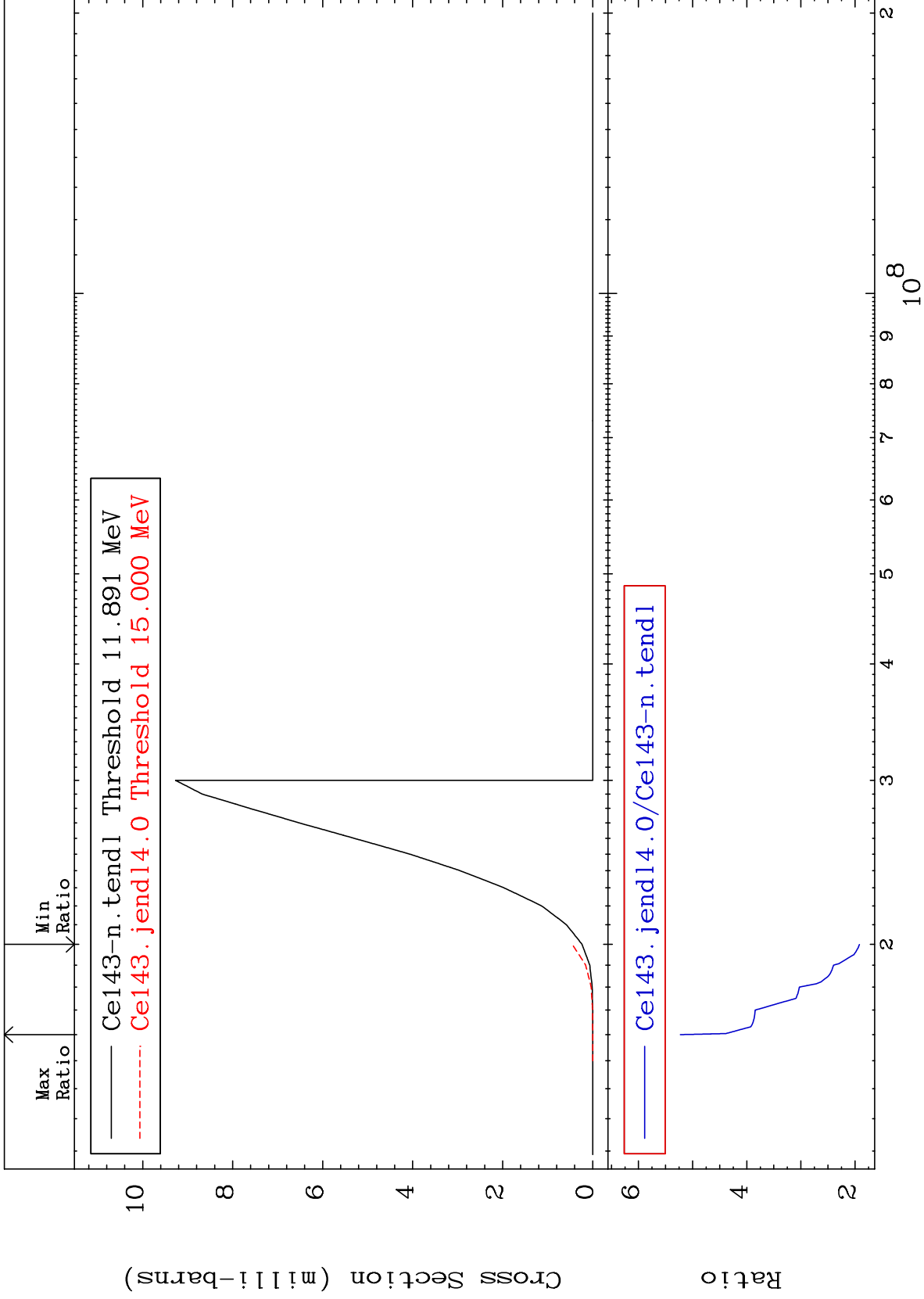
Incident Energy (eV)

58-Ce-143

MAT 5846

(n,n') d  
Cross Section

58-Ce-143  
91.85 To 422.7 %

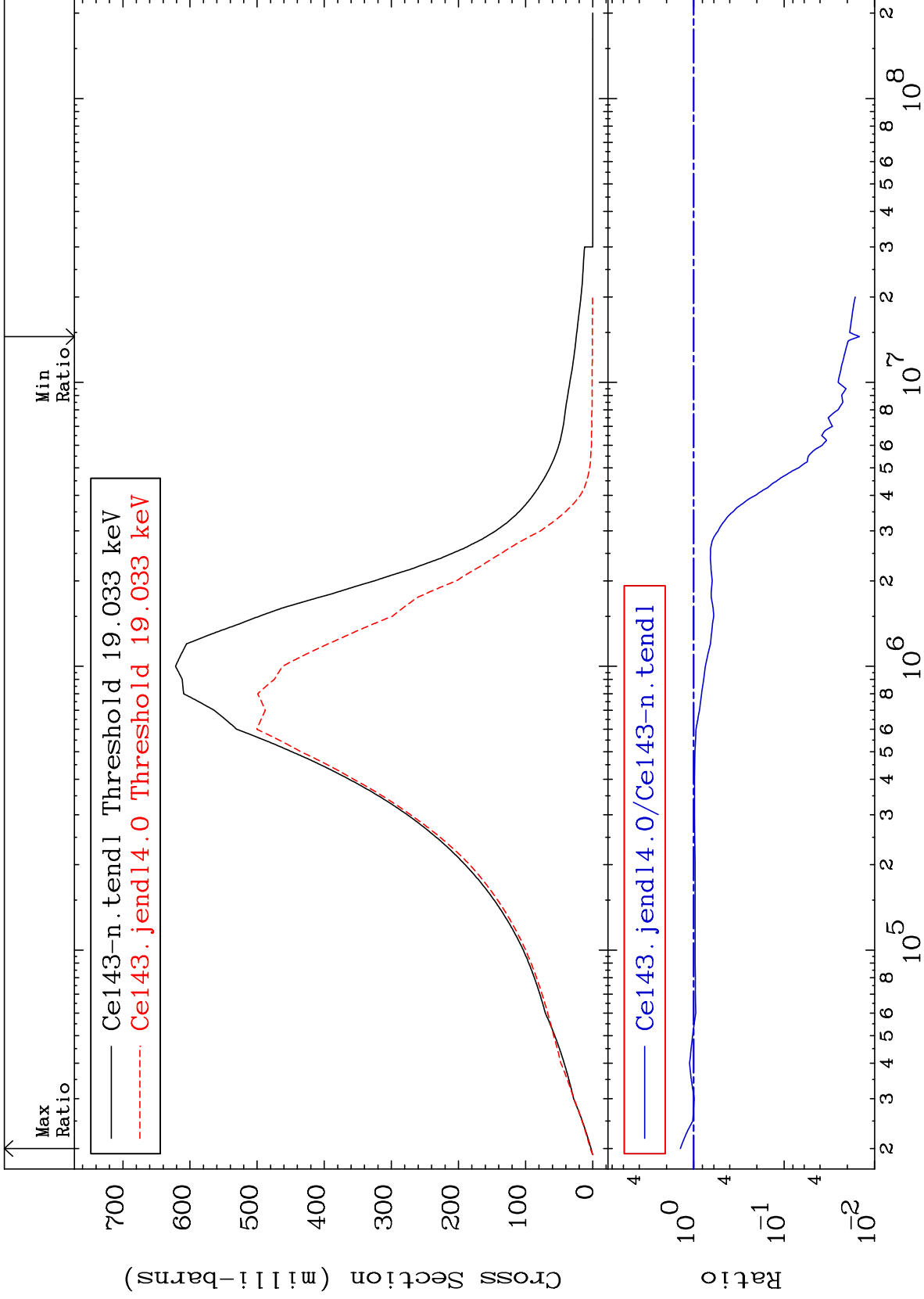




MAT 5846

18.90 keV (n,n') Level  
Cross Section

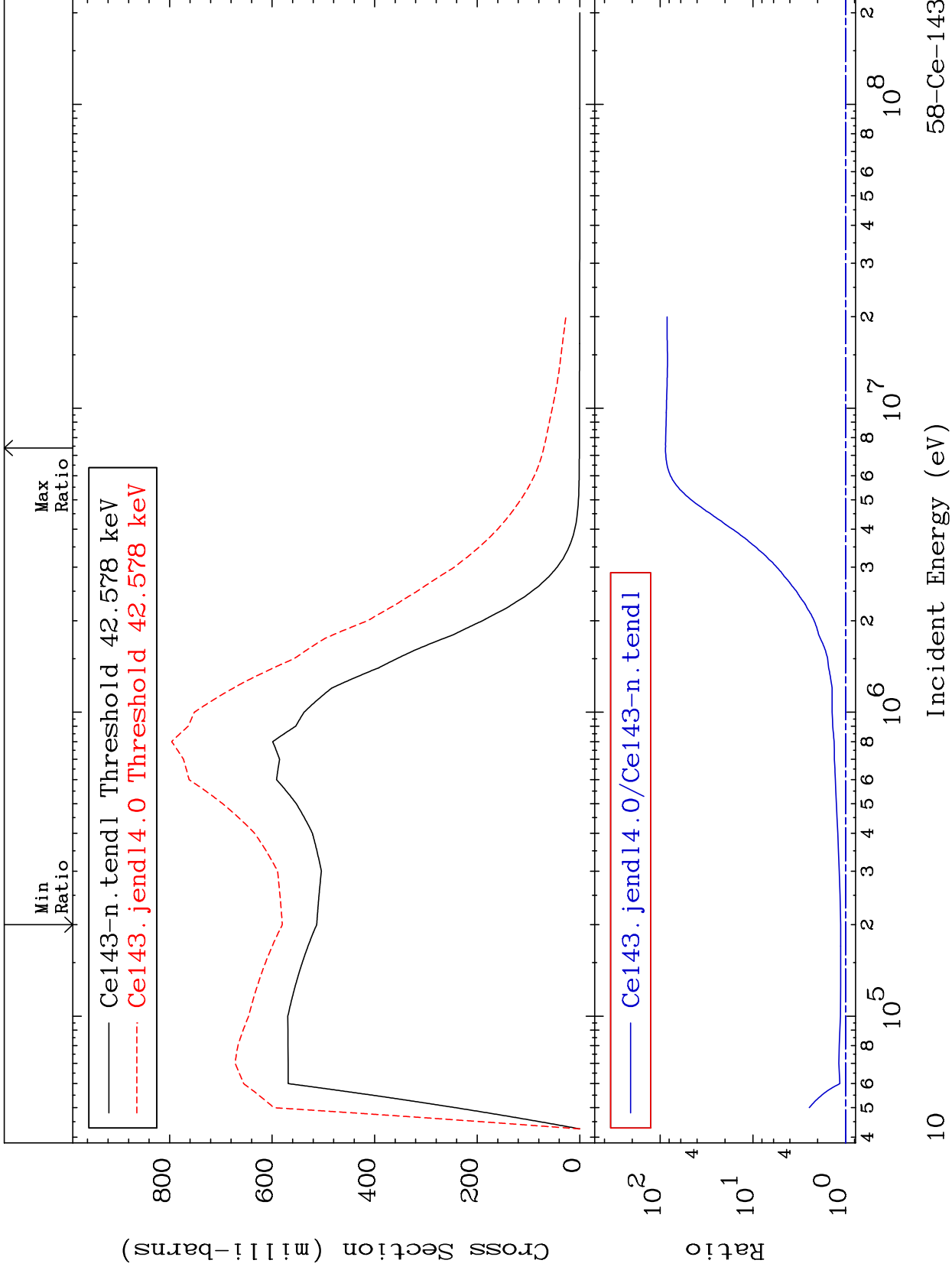
58-Ce-143  
-98.53 To 40.62 %



MAT 5846

42.28 keV (n,n') Level  
Cross Section

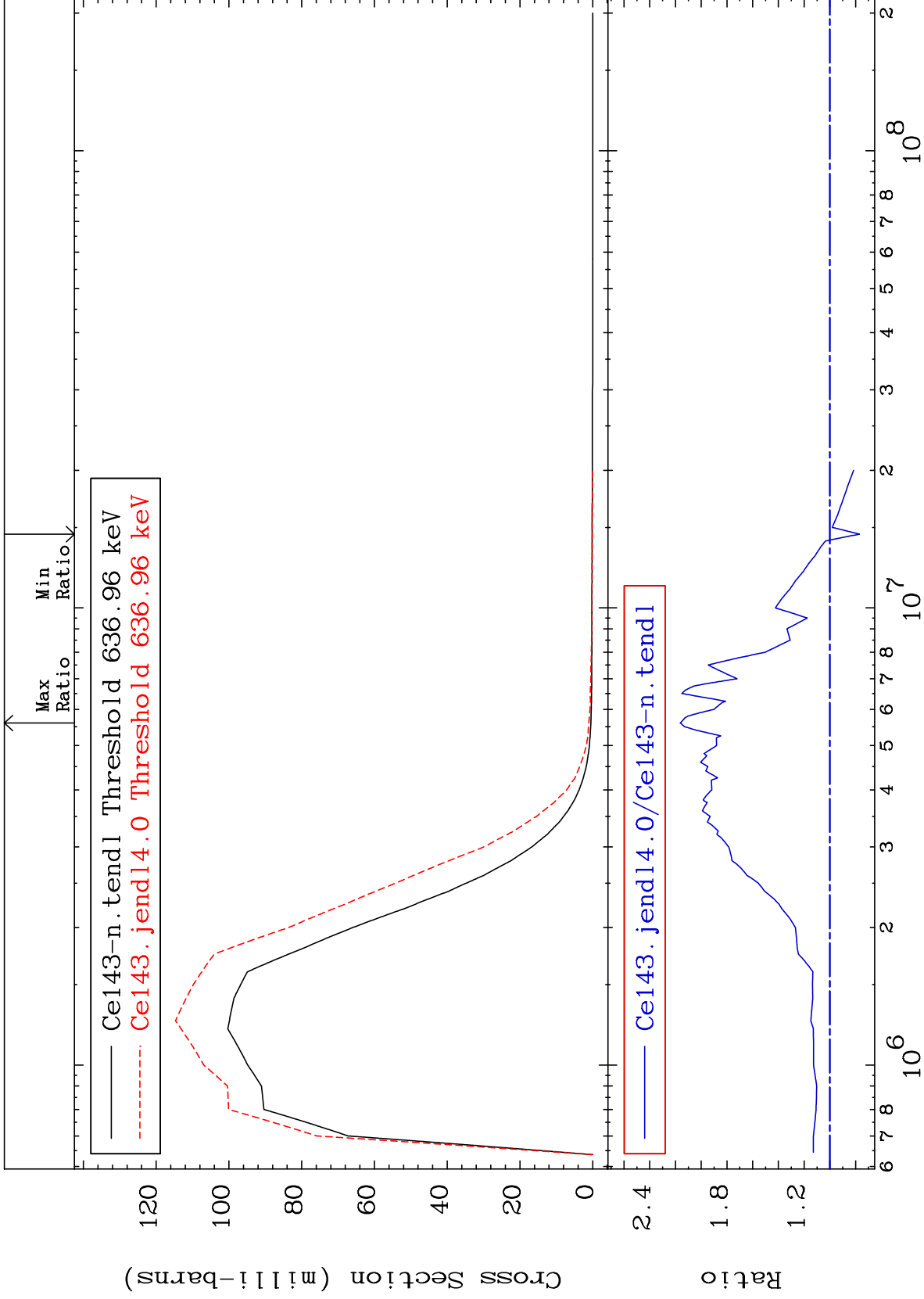
58-Ce-143  
13.05 To 8670. %



MAT 5846

632.5 keV (n,n') Level  
Cross Section

58-Ce-143  
-22.98 To 116.2 %



11

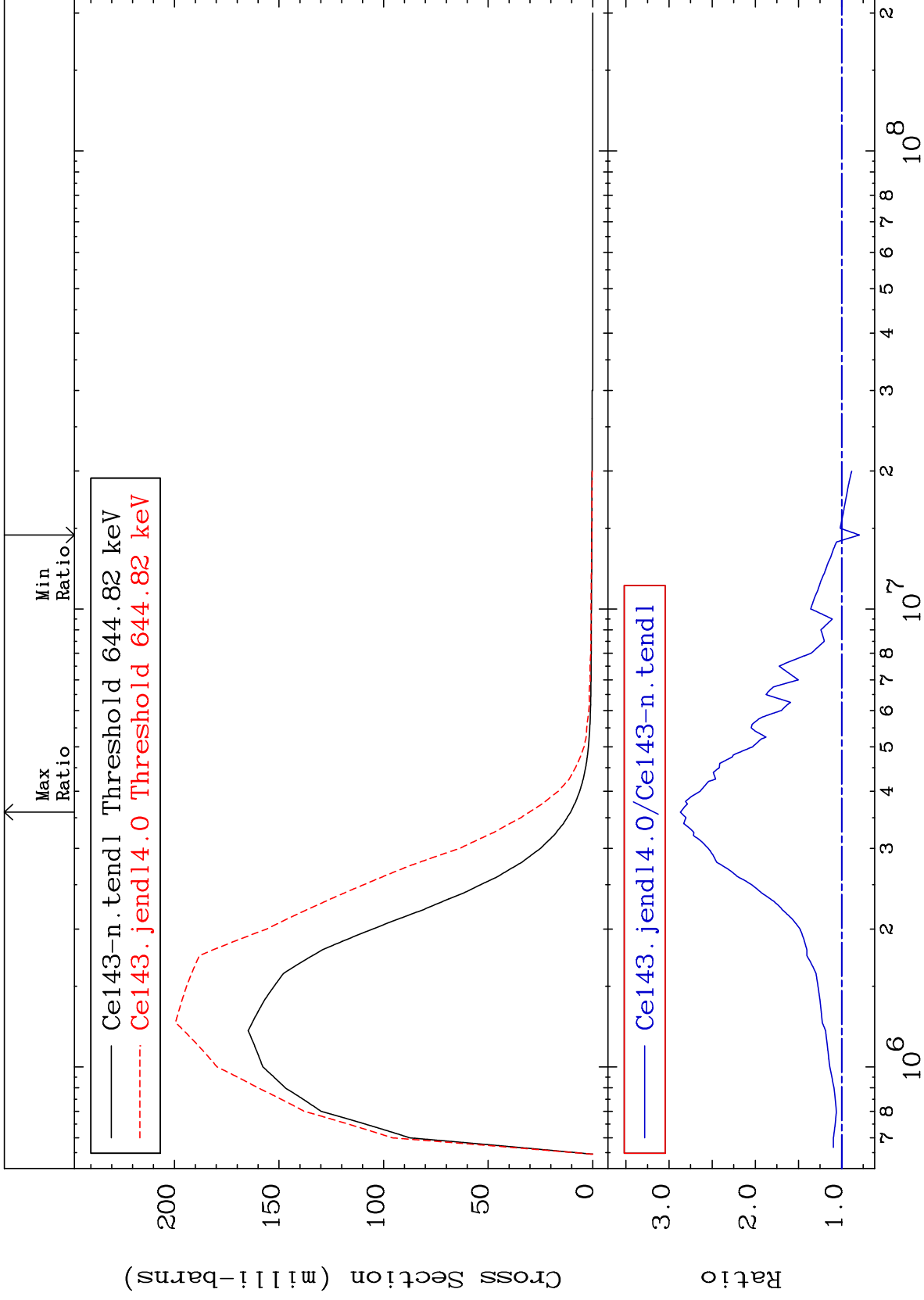
Incident Energy (eV)

58-Ce-143

MAT 5846

640.3 keV (n,n') Level  
Cross Section

58-Ce-143  
-20.57 To 186.9 %



12

Incident Energy (eV)

58-Ce-143

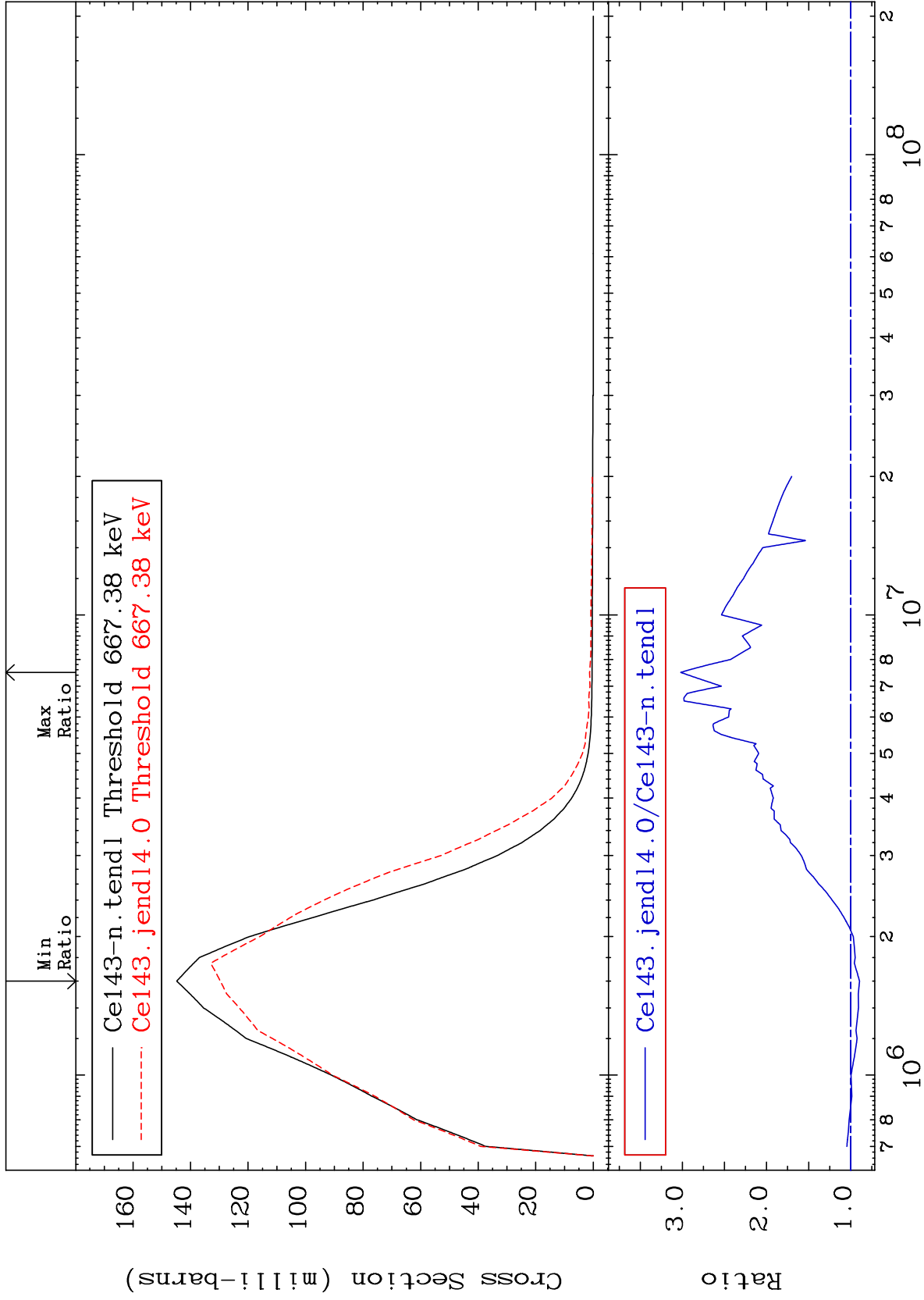
MAT 5846

662.7 keV (n,n') Level

58-Ce-143

-10.47 To 201.9 %

Cross Section



13

Incident Energy (eV)

58-Ce-143

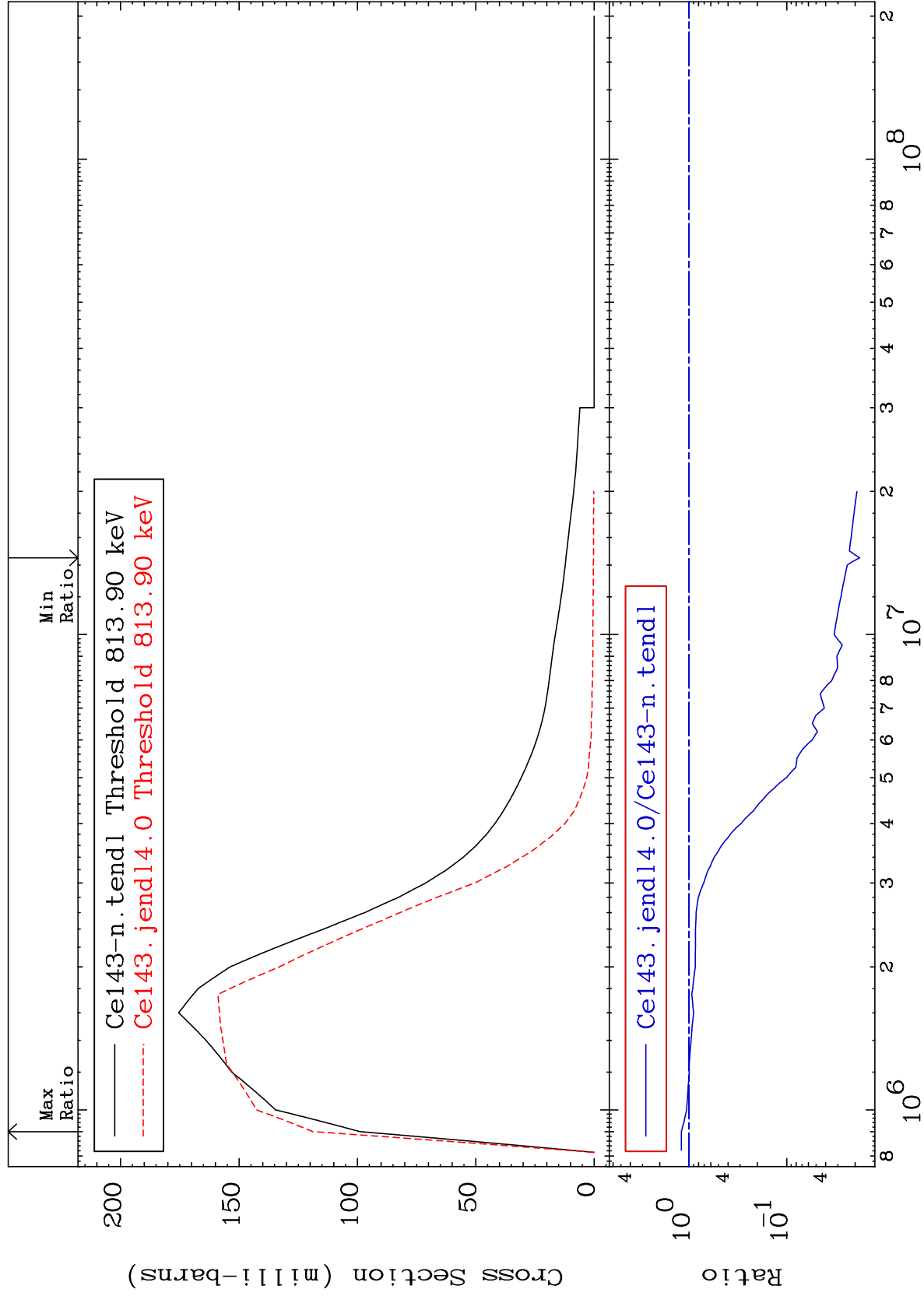
MAT 5846

808.2 keV (n,n') Level

58-Ce-143

-98.21 To 19.98 %

Cross Section



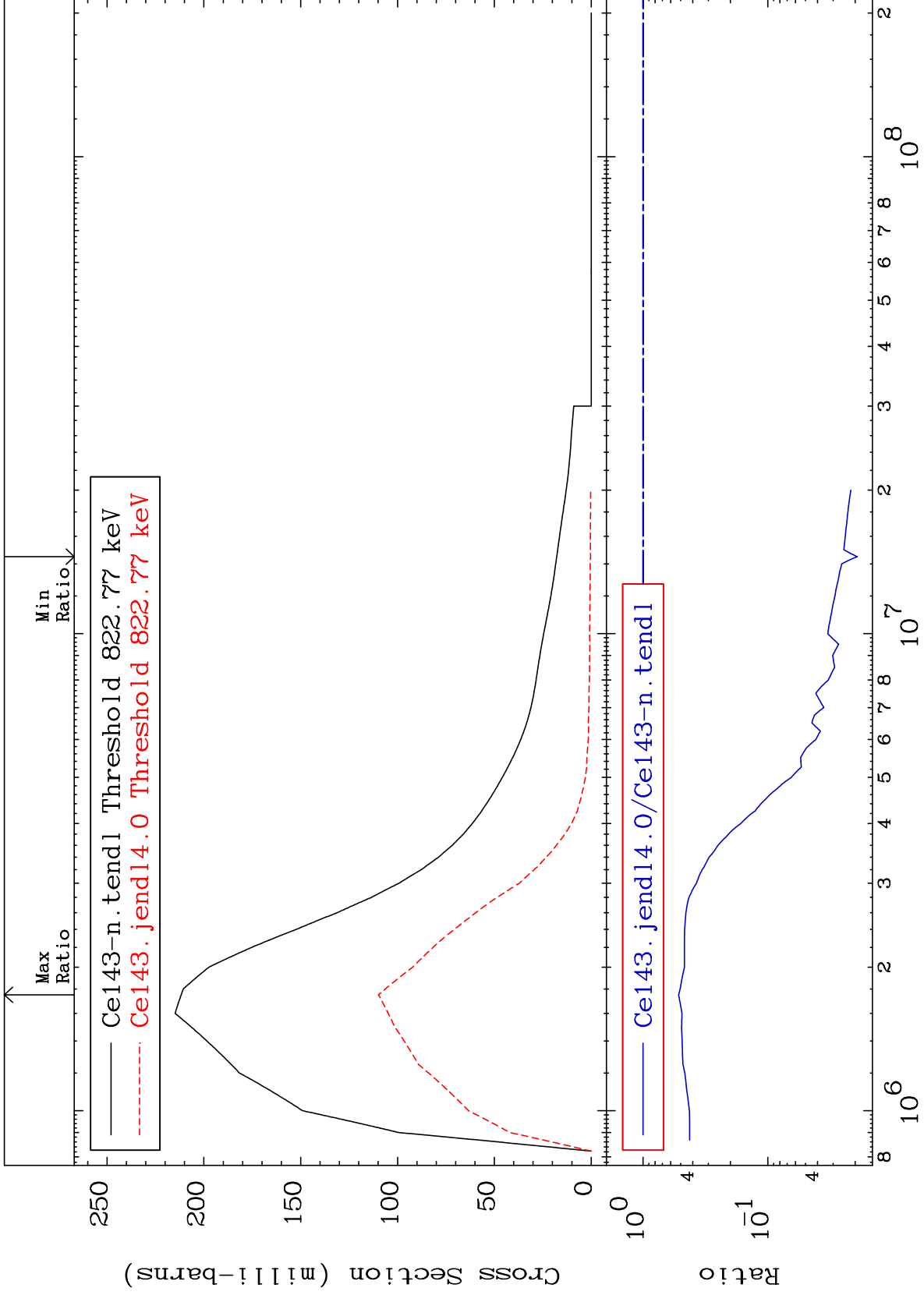
14

58-Ce-143

MAT 5846

817.0 keV (n,n') Level  
Cross Section

58-Ce-143  
-98.08 To -48.14%



15

58-Ce-143

58-Ce-143

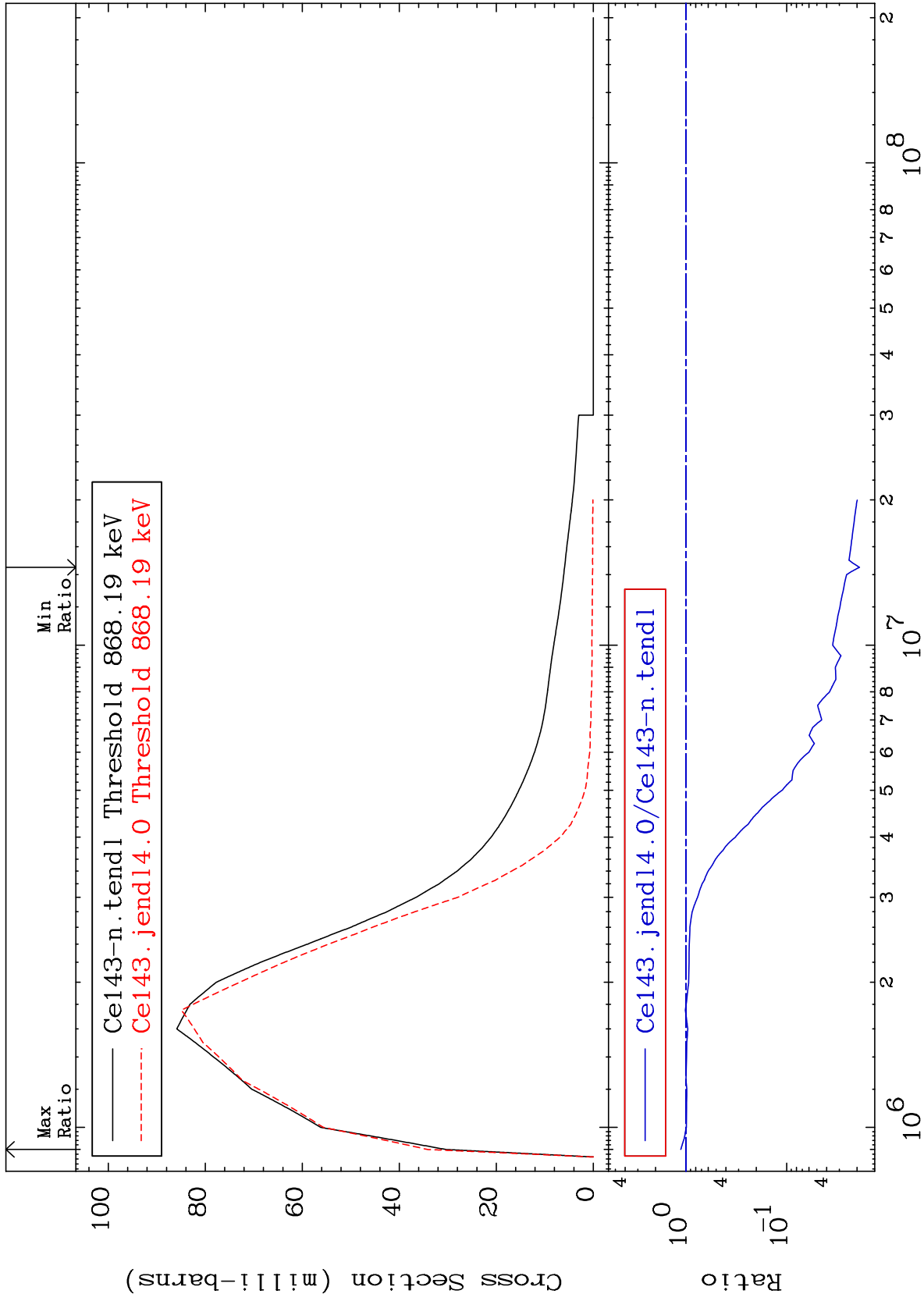
MAT 5846

862.1 keV (n,n') Level

58-Ce-143

-98.11 To 12.38 %

Cross Section



16

Incident Energy (eV)

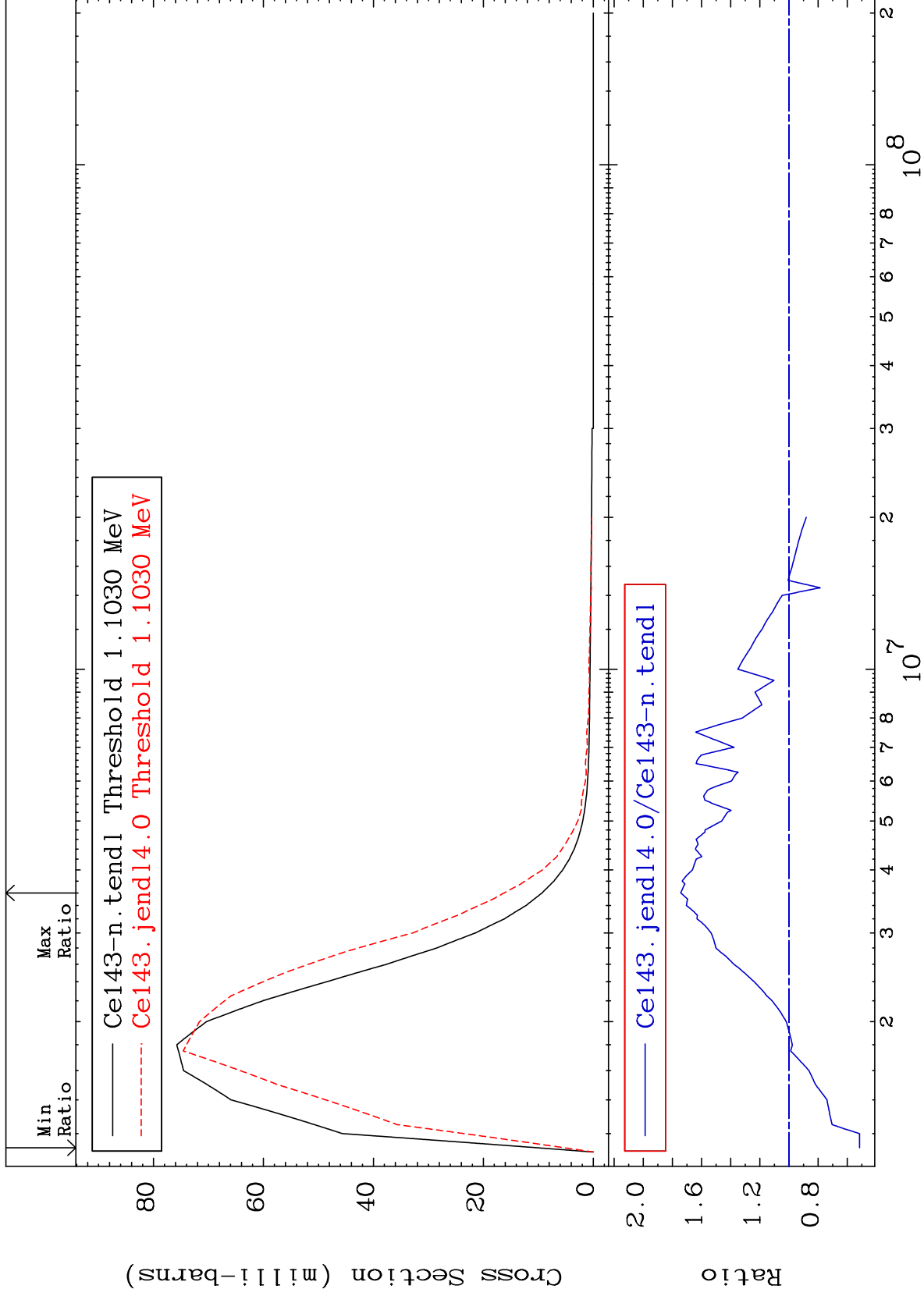
58-Ce-143



MAT 5846

1.095 MeV (n,n') Level  
Cross Section

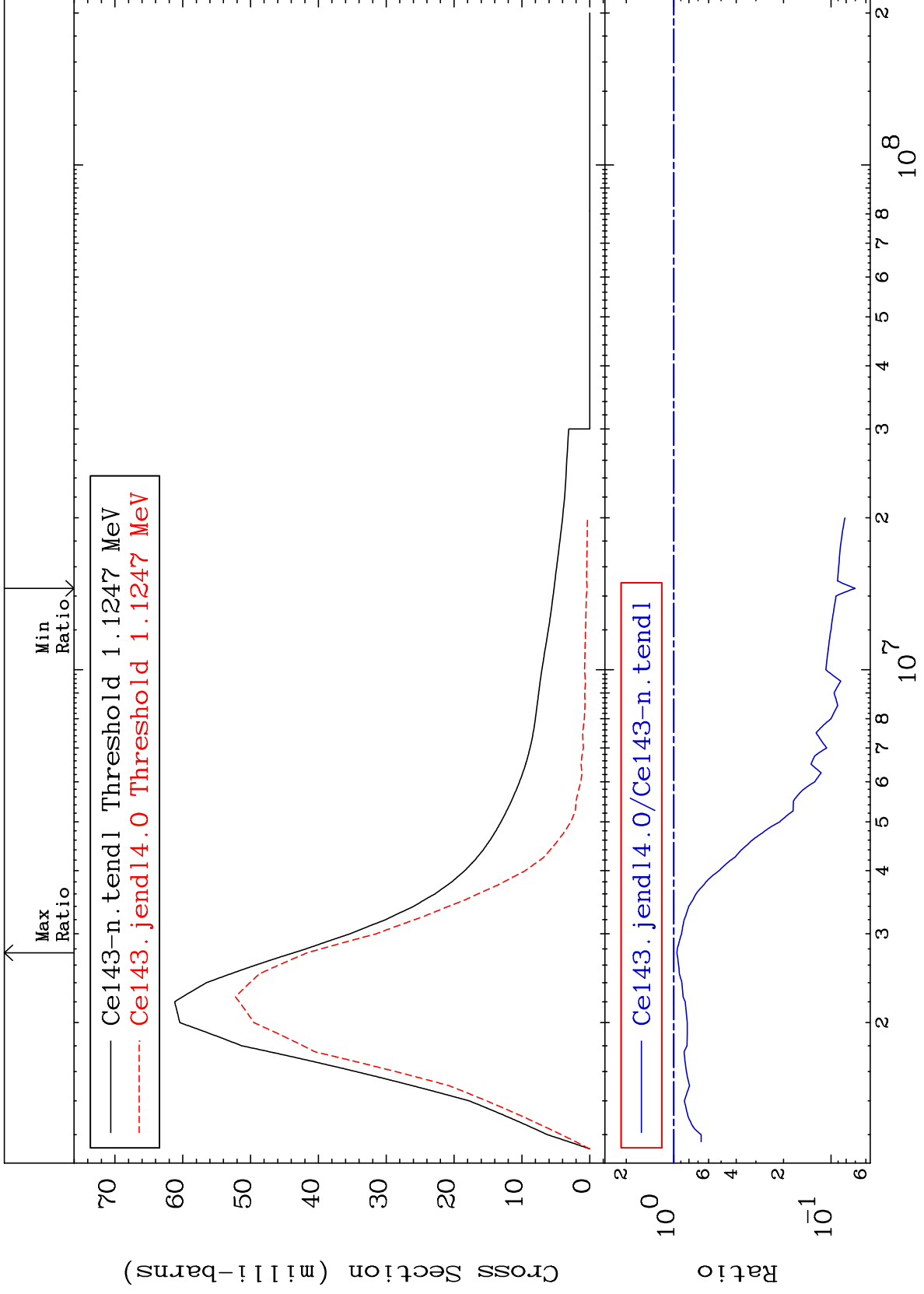
58-Ce-143  
-48.45 To 74.24 %



MAT 5846

1.117 MeV (n,n') Level  
Cross Section

58-Ce-143  
-92.98 To -4.620%



18

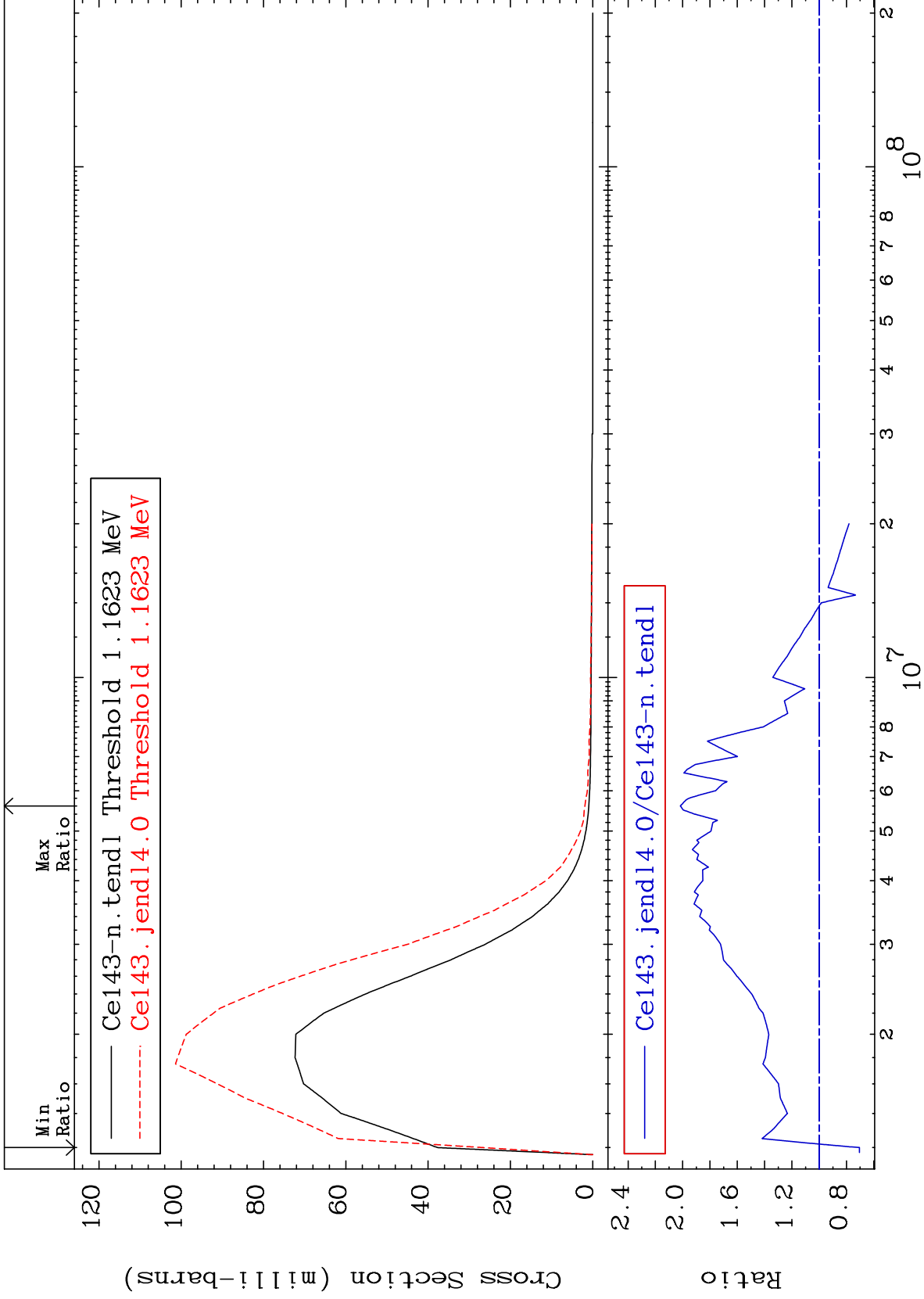
Incident Energy (eV)

58-Ce-143

MAT 5846

1.154 MeV (n,n') Level  
Cross Section

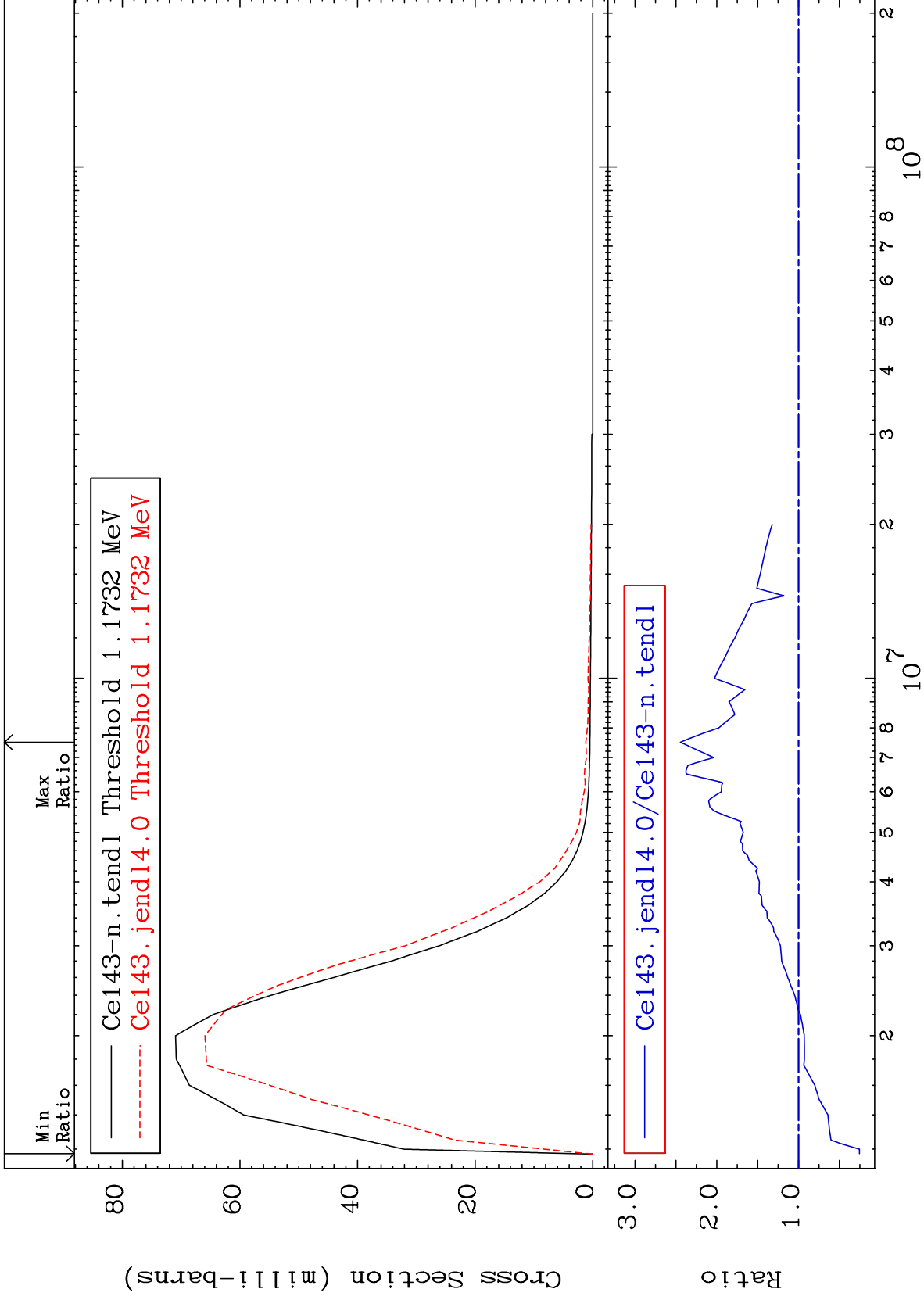
58-Ce-143  
-29.47 To 101.7 %



MAT 5846

1.165 MeV (n,n') Level  
Cross Section

58-Ce-143  
-74.56 To 144.5 %



20

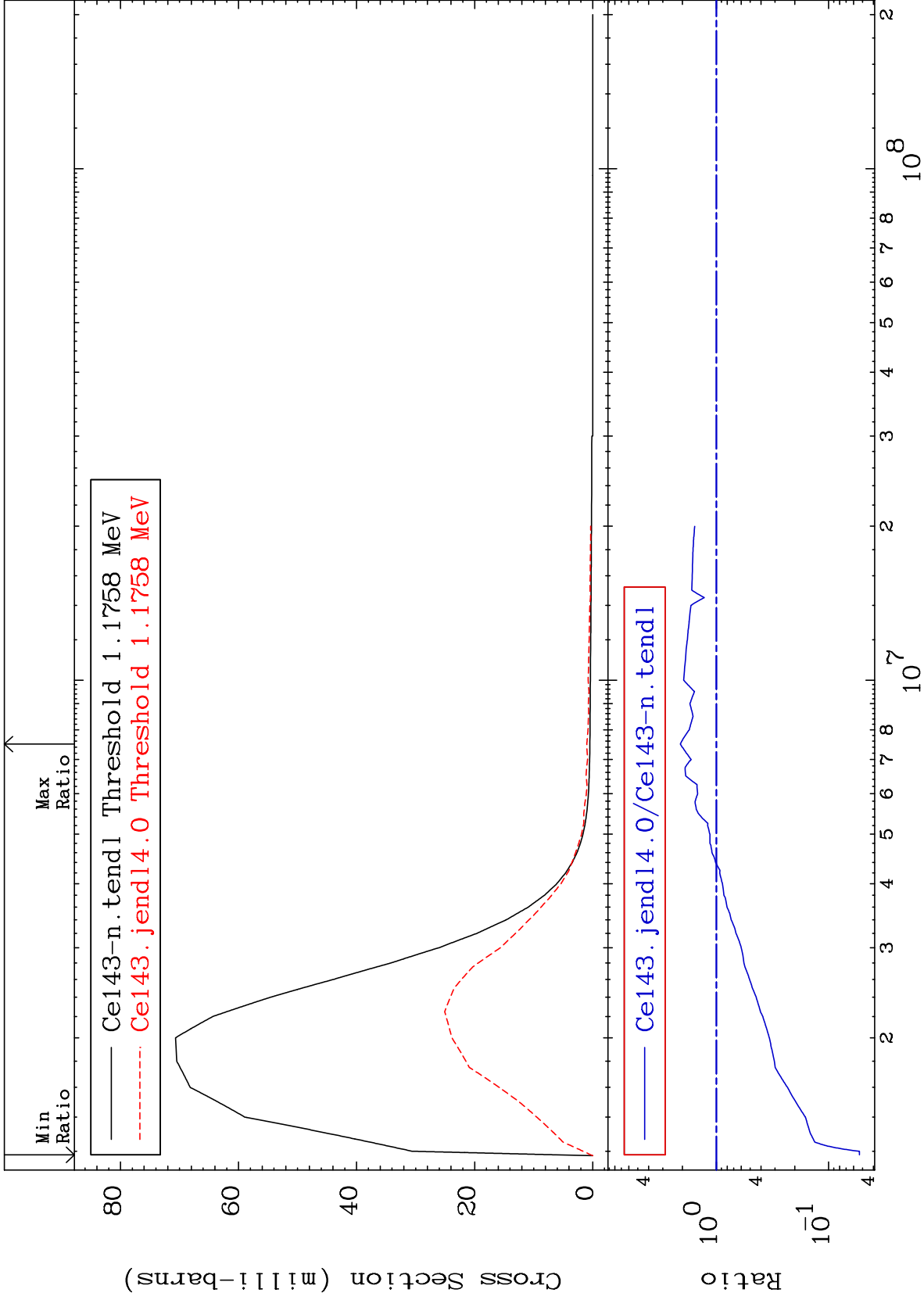
Incident Energy (eV)

58-Ce-143

MAT 5846

1.168 MeV (n,n') Level  
Cross Section

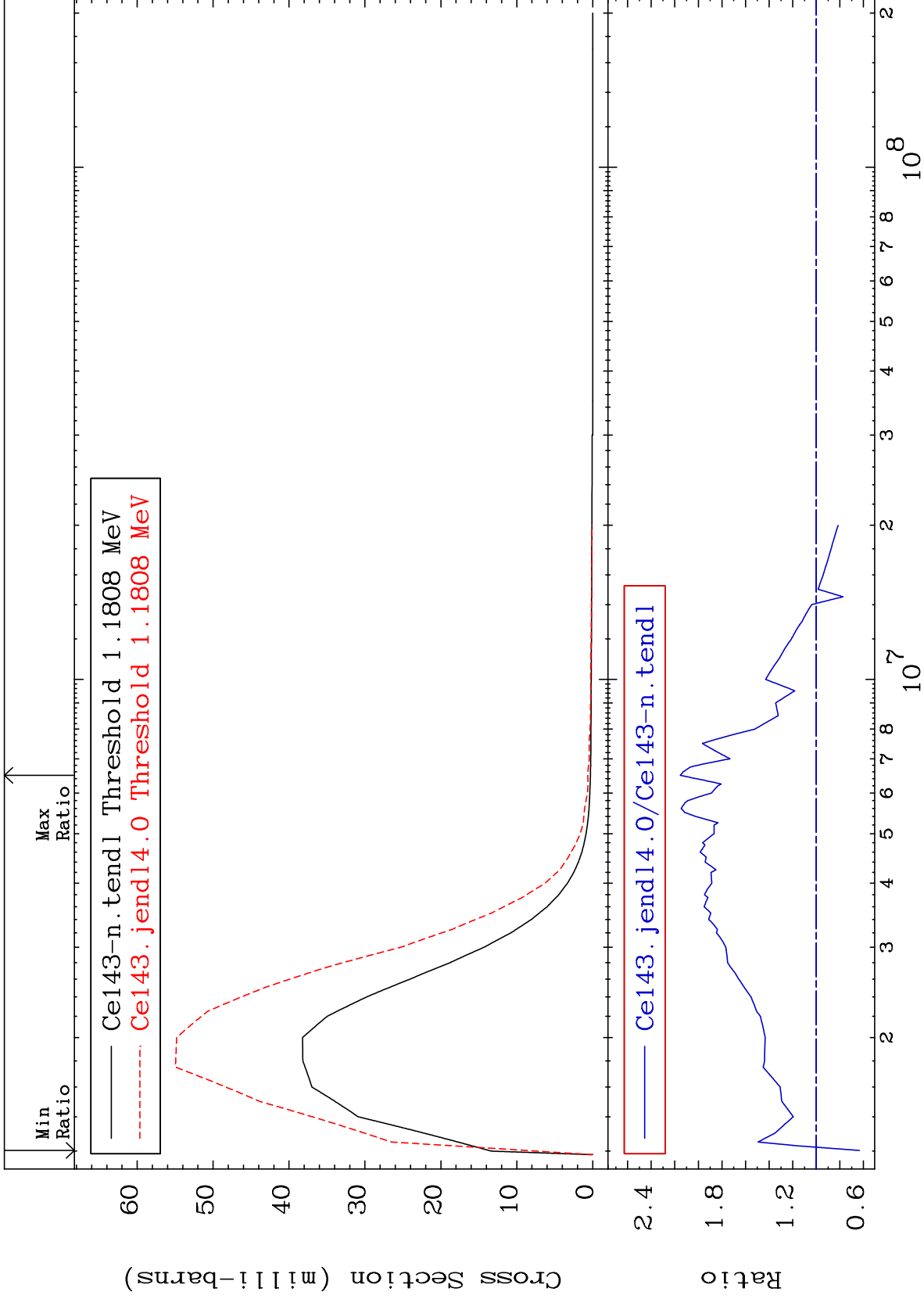
58-Ce-143  
-94.68 To 109.0 %



MAT 5846

1.172 MeV (n,n') Level  
Cross Section

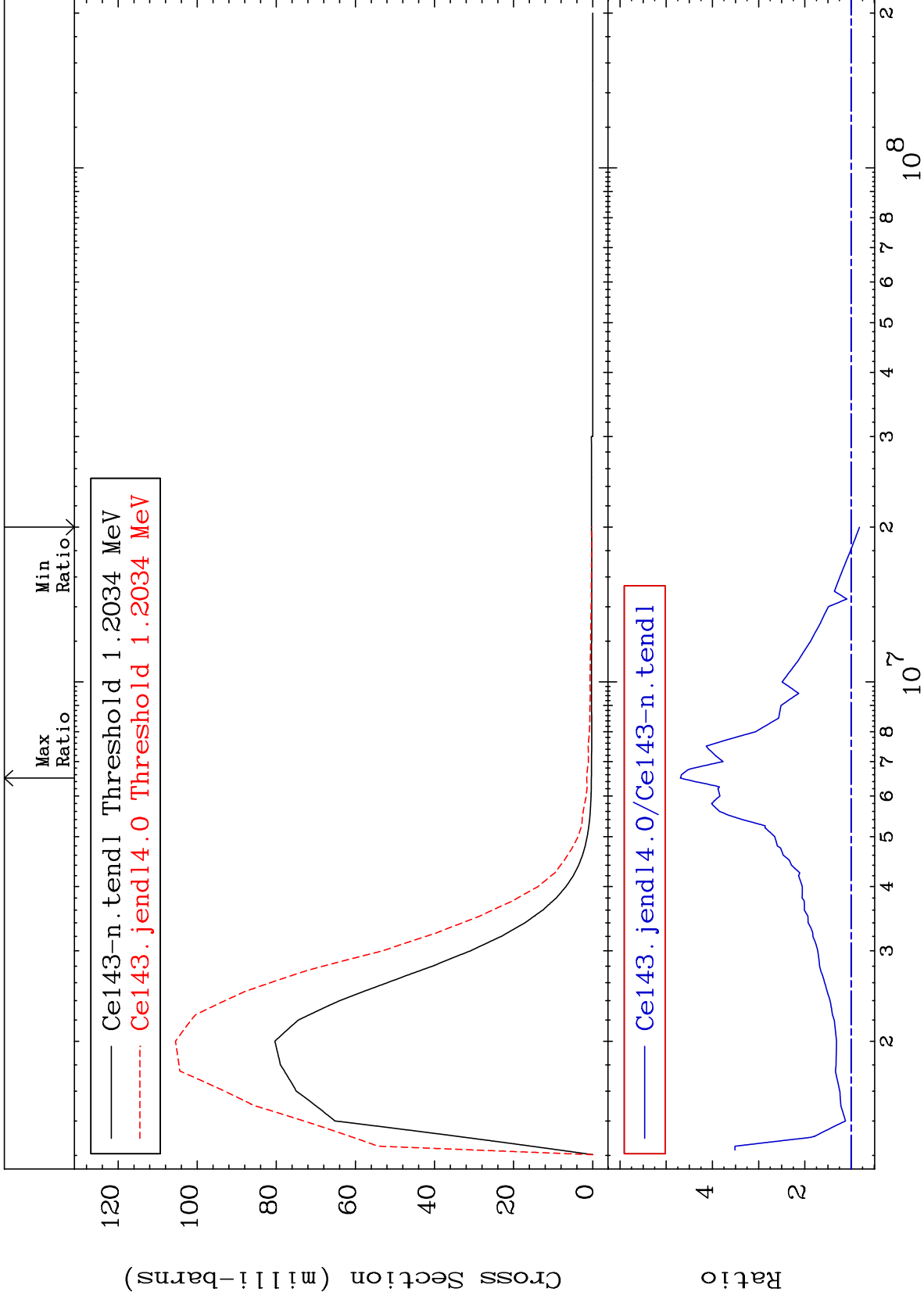
58-Ce-143  
-36.57 To 115.3 %



MAT 5846

1.195 MeV (n,n') Level  
Cross Section

58-Ce-143  
-18.19 To 369.4 %



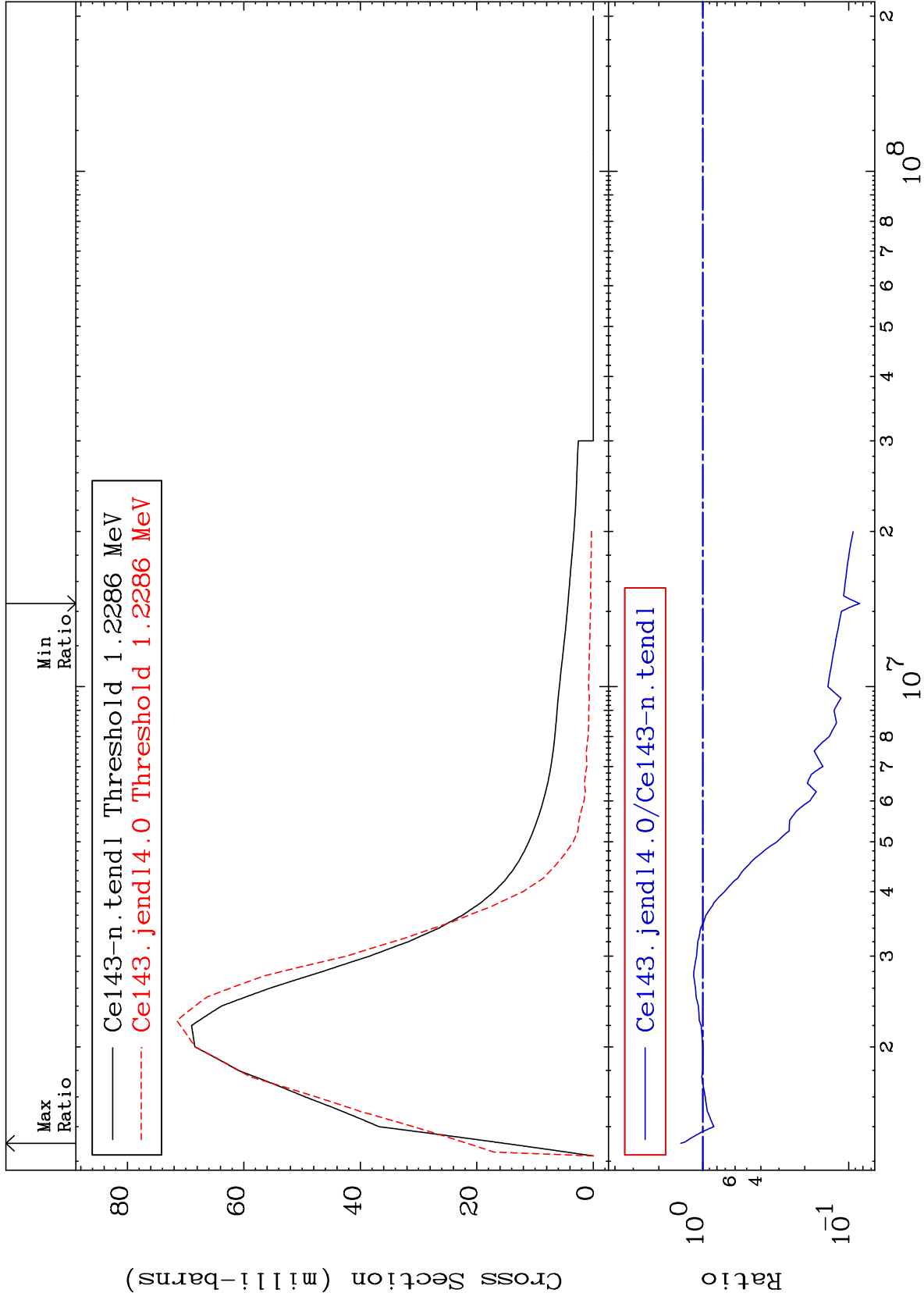
MAT 5846

1.220 MeV (n,n') Level

58-Ce-143

-91.58 To 41.51 %

Cross Section

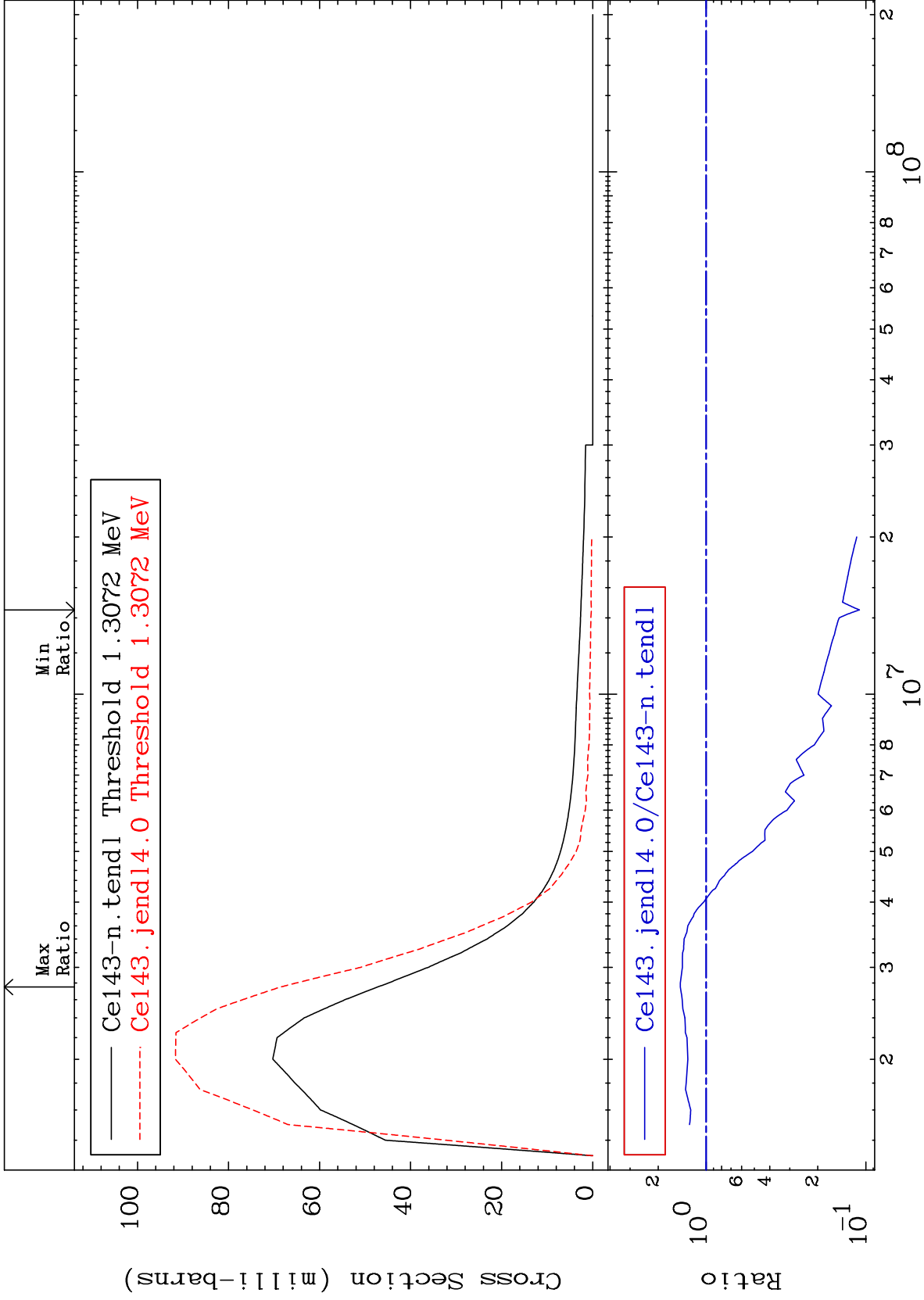




MAT 5846

1.298 MeV (n,n') Level  
Cross Section

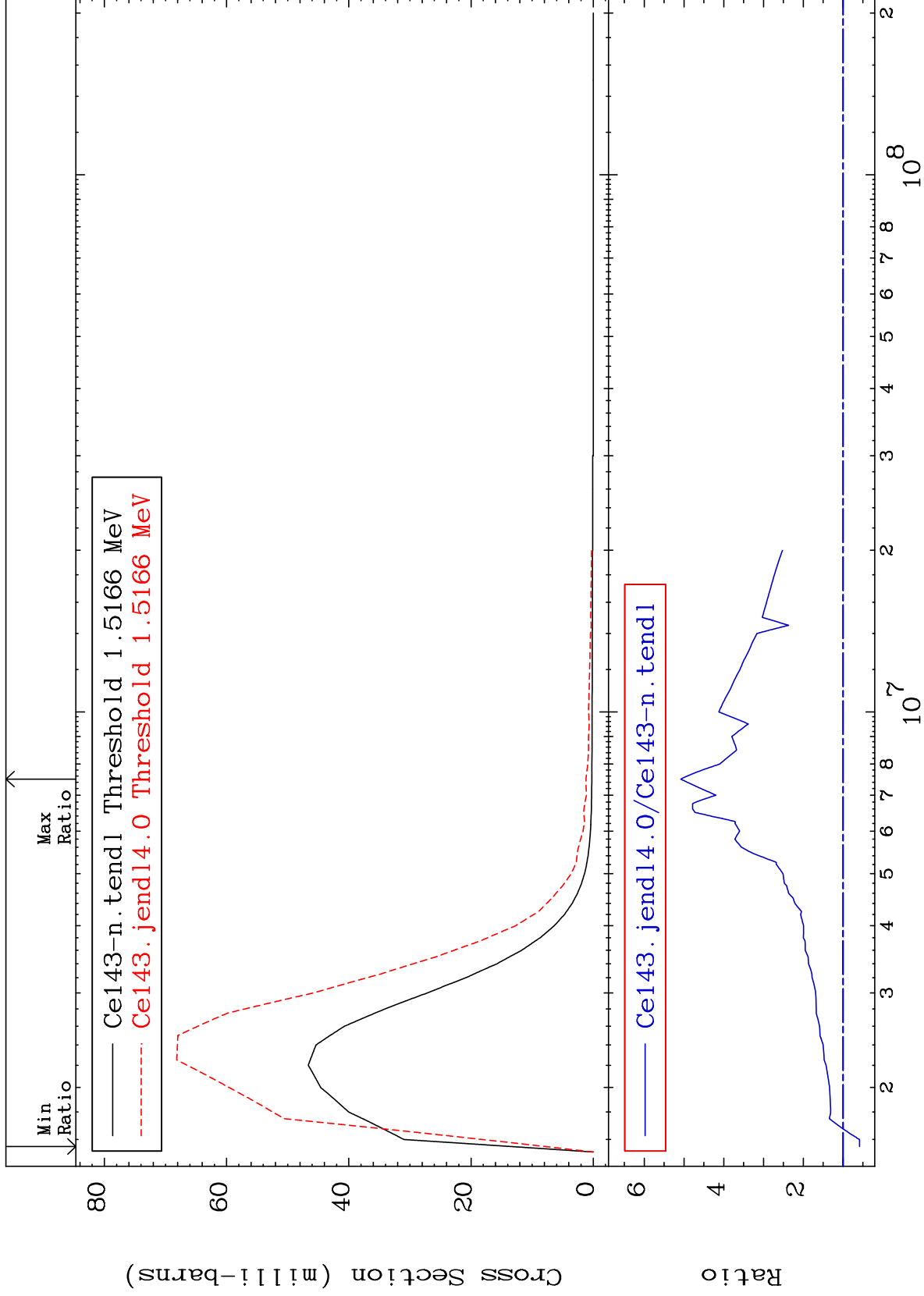
58-Ce-143  
-89.03 To 45.19 %



MAT 5846

1.506 MeV (n,n') Level  
Cross Section

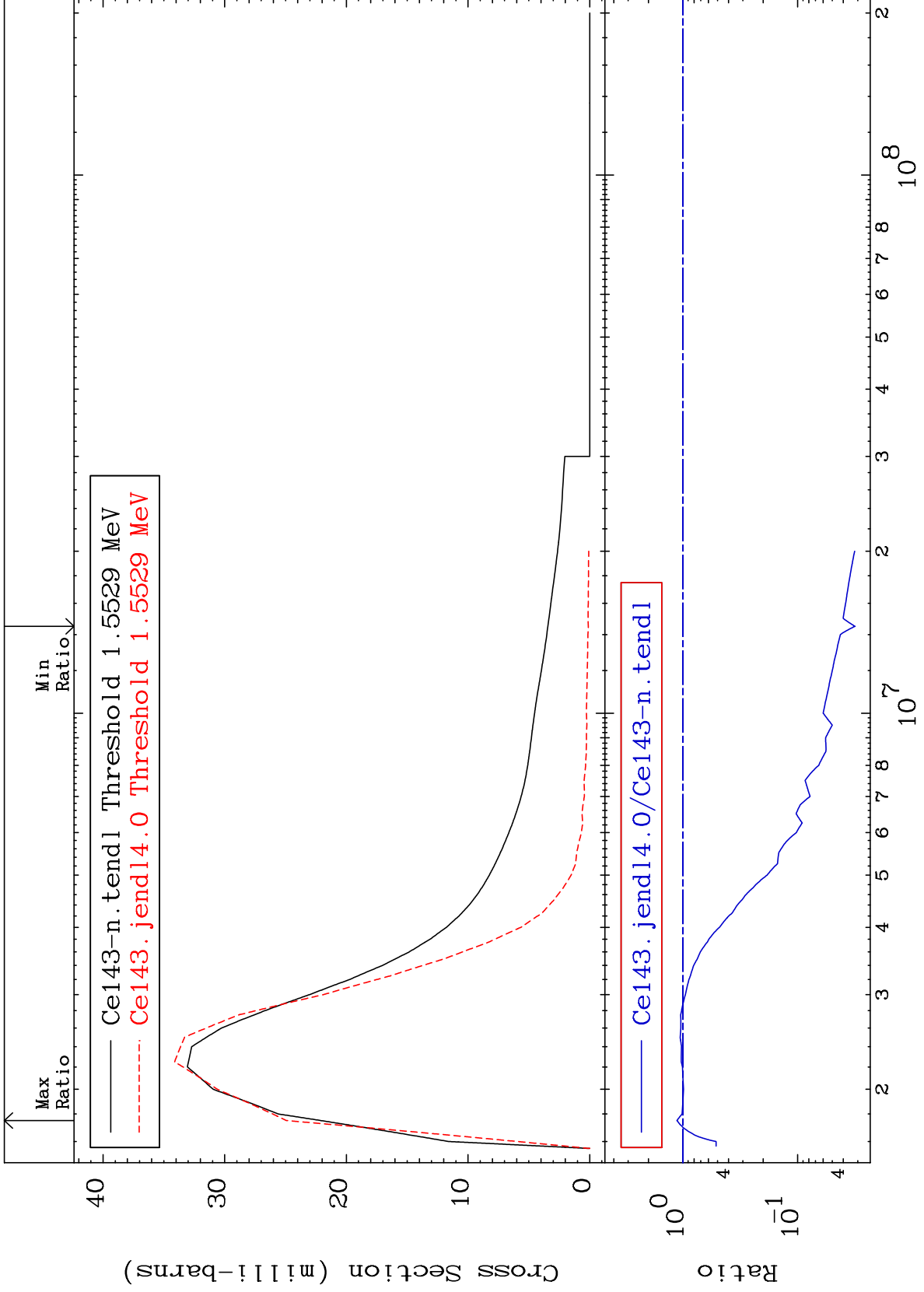
58-Ce-143  
-41.62 To 408.1 %



MAT 5846

1.542 MeV (n,n') Level  
Cross Section

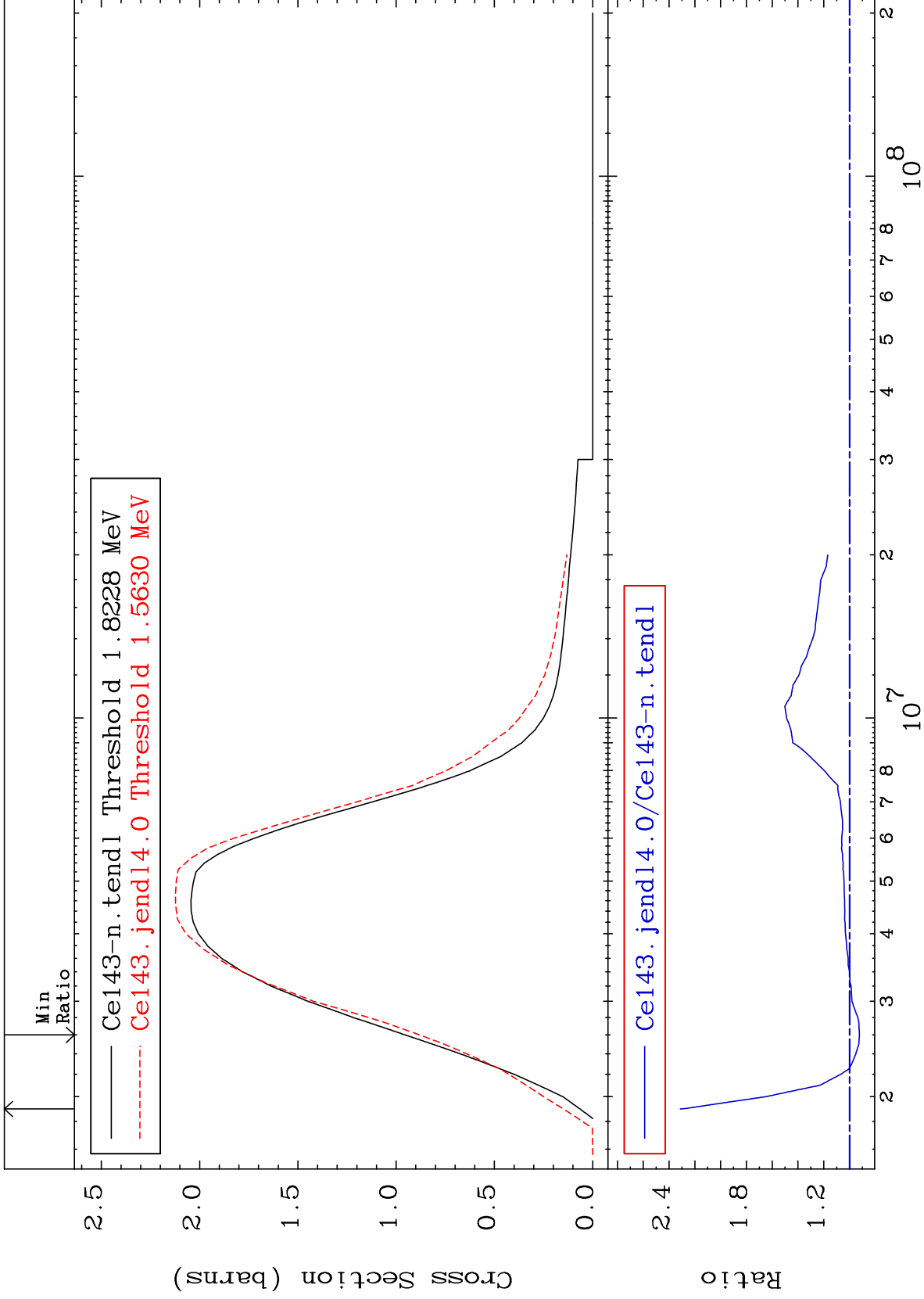
58-Ce-143  
-96.84 To 12.78 %



MAT 5846

(n, n') Continuum  
Cross Section

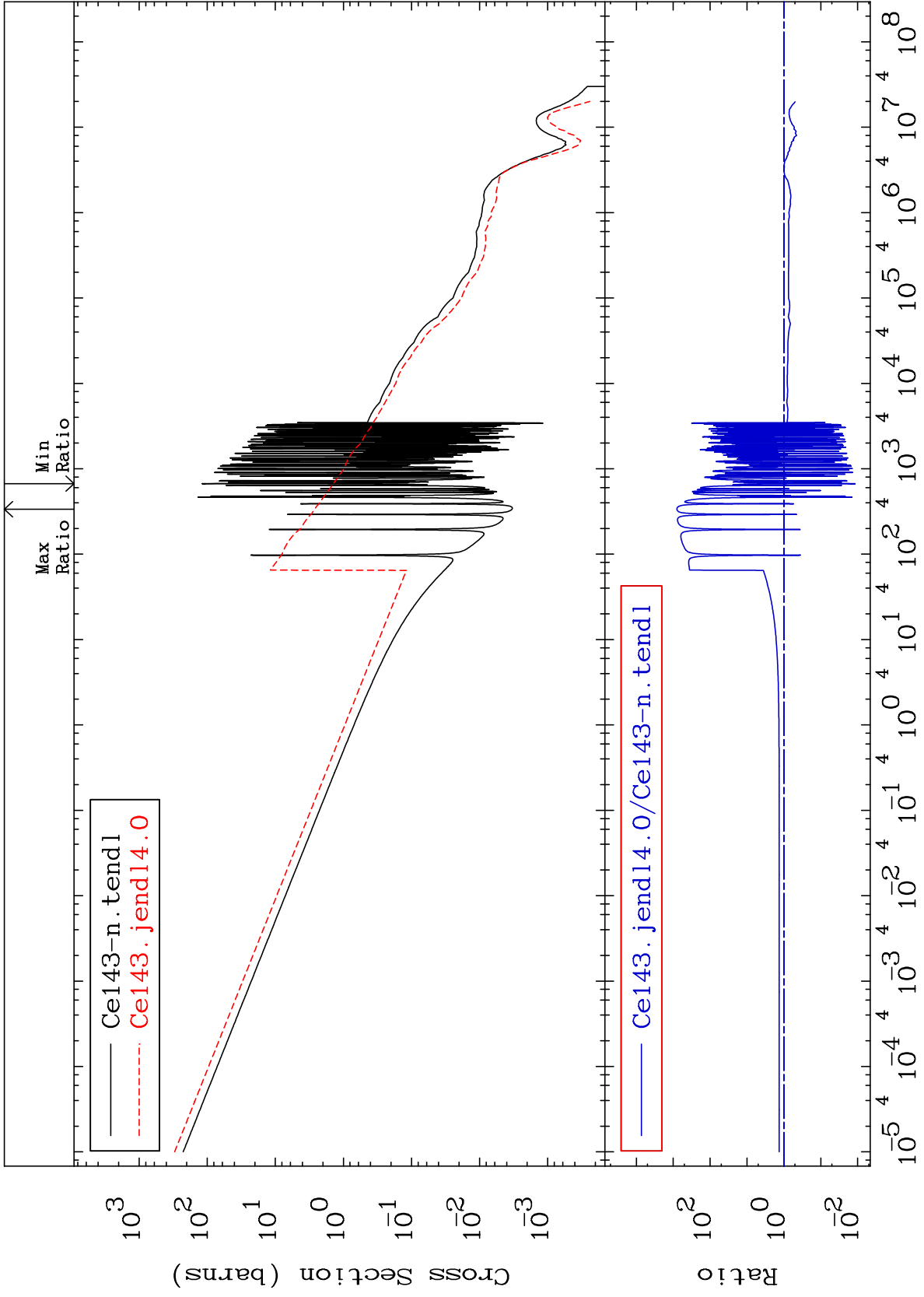
58-Ce-143  
-7.683 To 131.2 %



MAT 5846

(n,  $\gamma$ )  
Cross Section

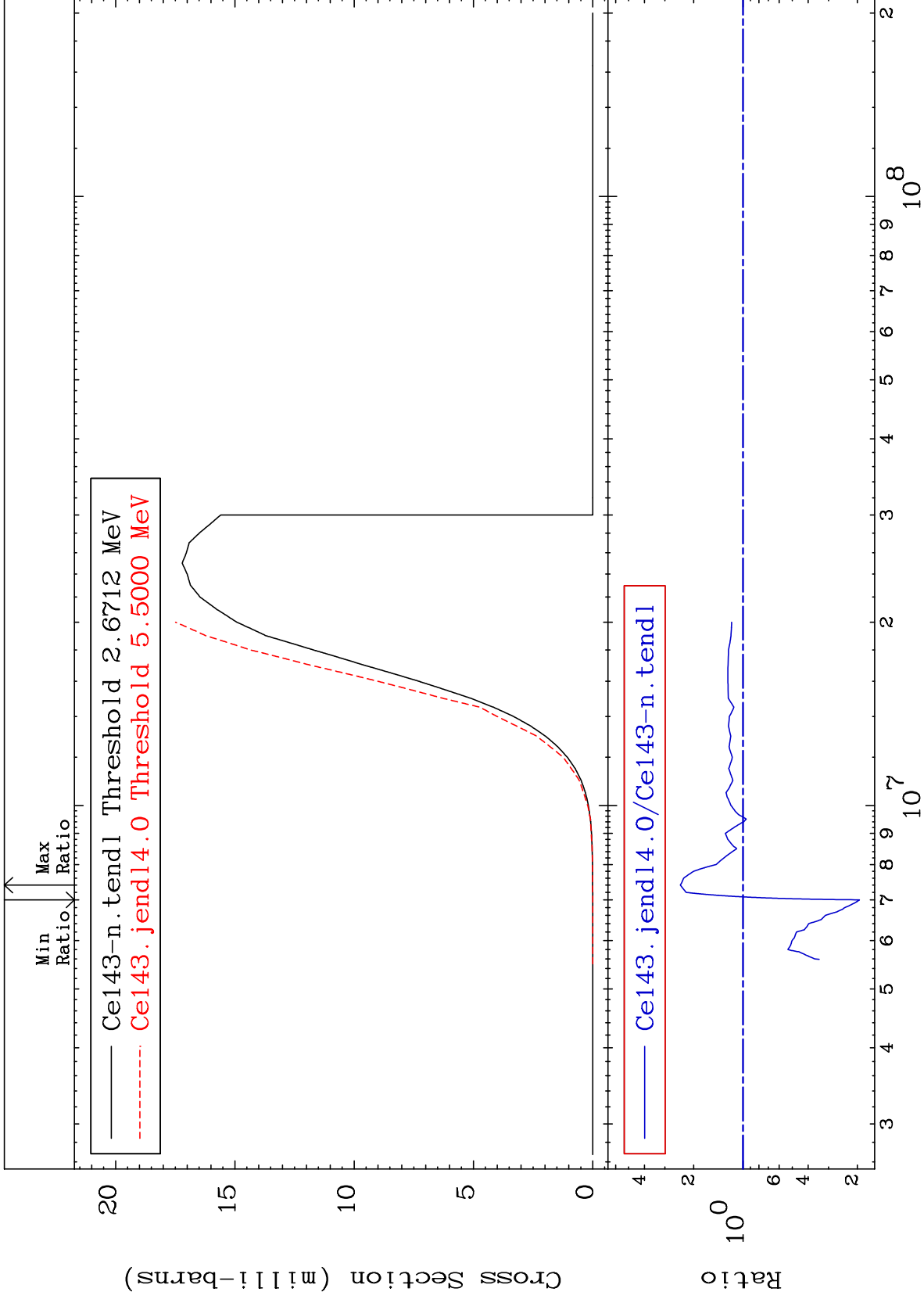
58-Ce-143  
-98.83 To 9999. %



MAT 5846

(n,p)  
Cross Section

58-Ce-143  
-80.60 To 141.5 %



30

58-Ce-143

58-Ce-143

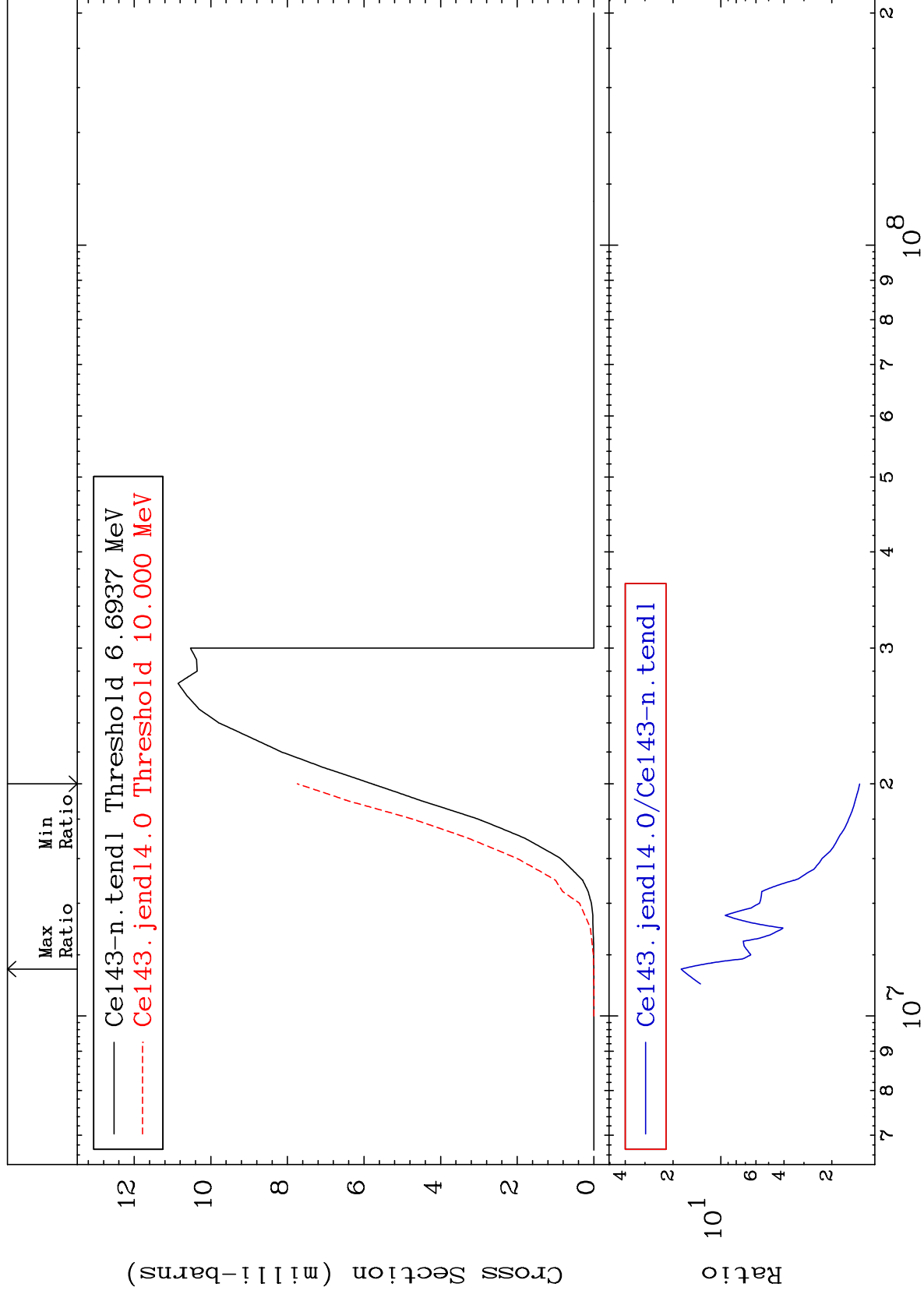
MAT 5846

(n, d)

58-Ce-143

Cross Section

33.62 To 1676. %



31

58-Ce-143

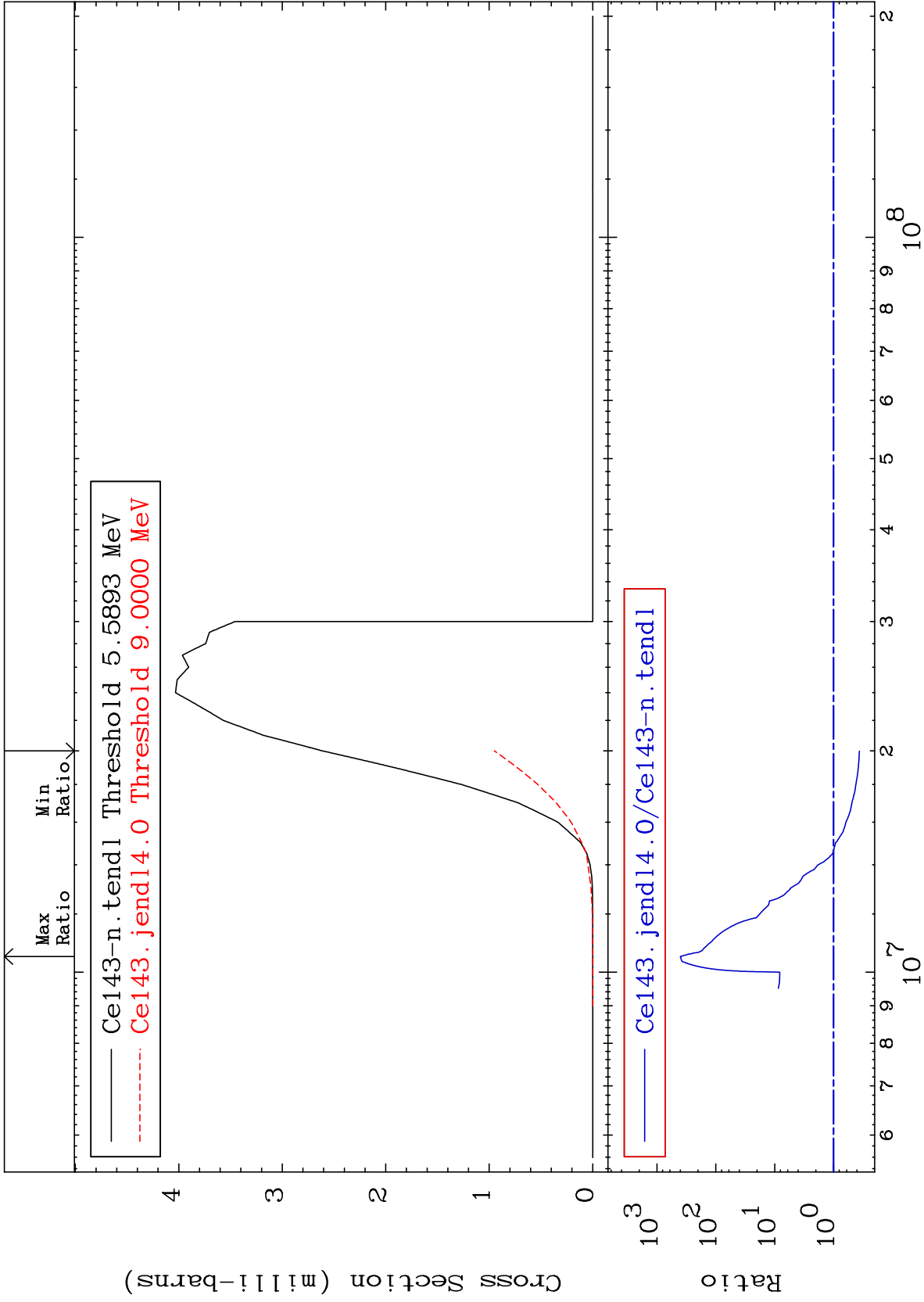
MAT 5846

(n, t)

58-Ce-143

Cross Section

-63.63 To 9999. %



32

Incident Energy (eV)

58-Ce-143



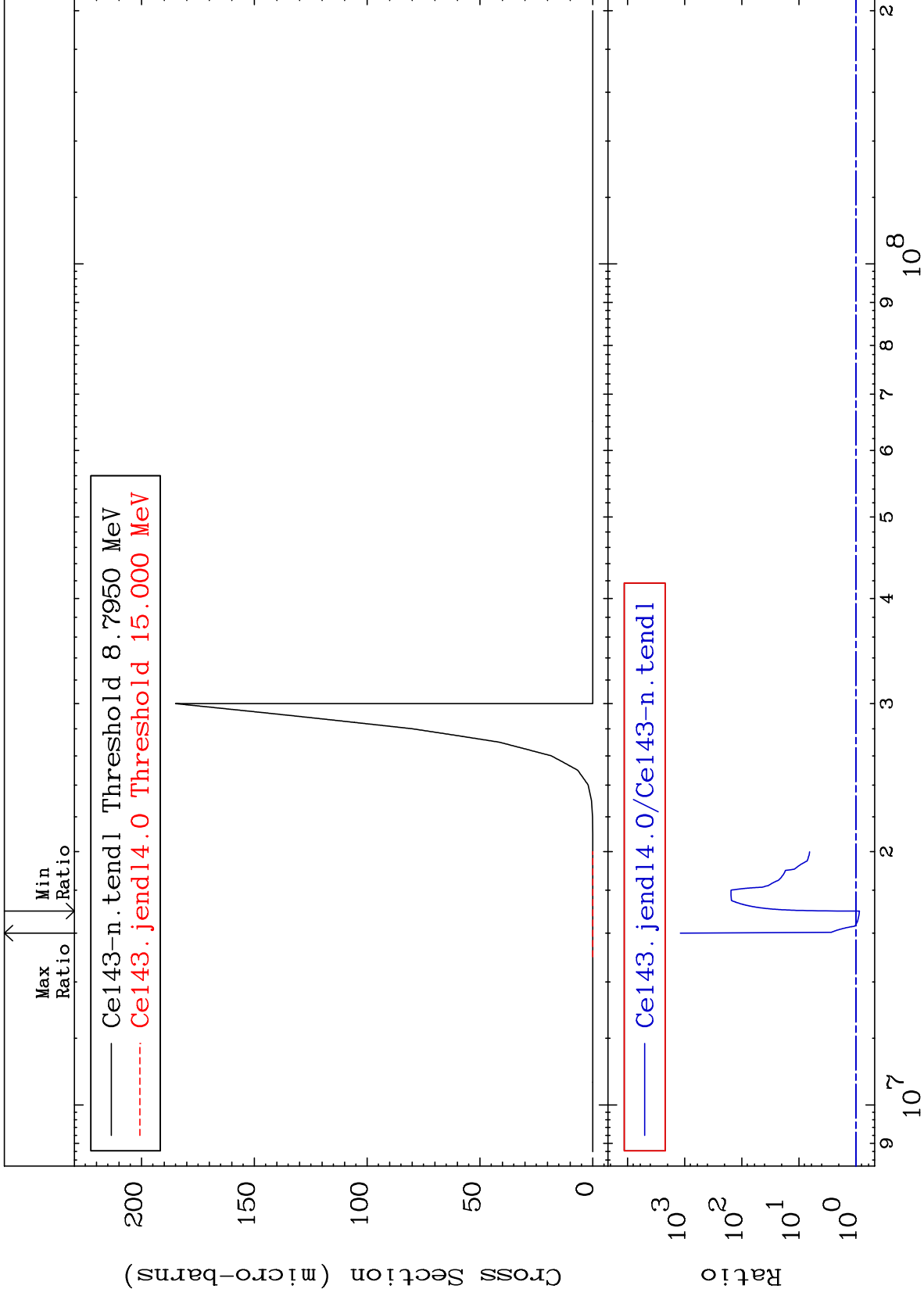
MAT 5846

(n, He-3)

58-Ce-143

Cross Section

-13.05 To 9999. %



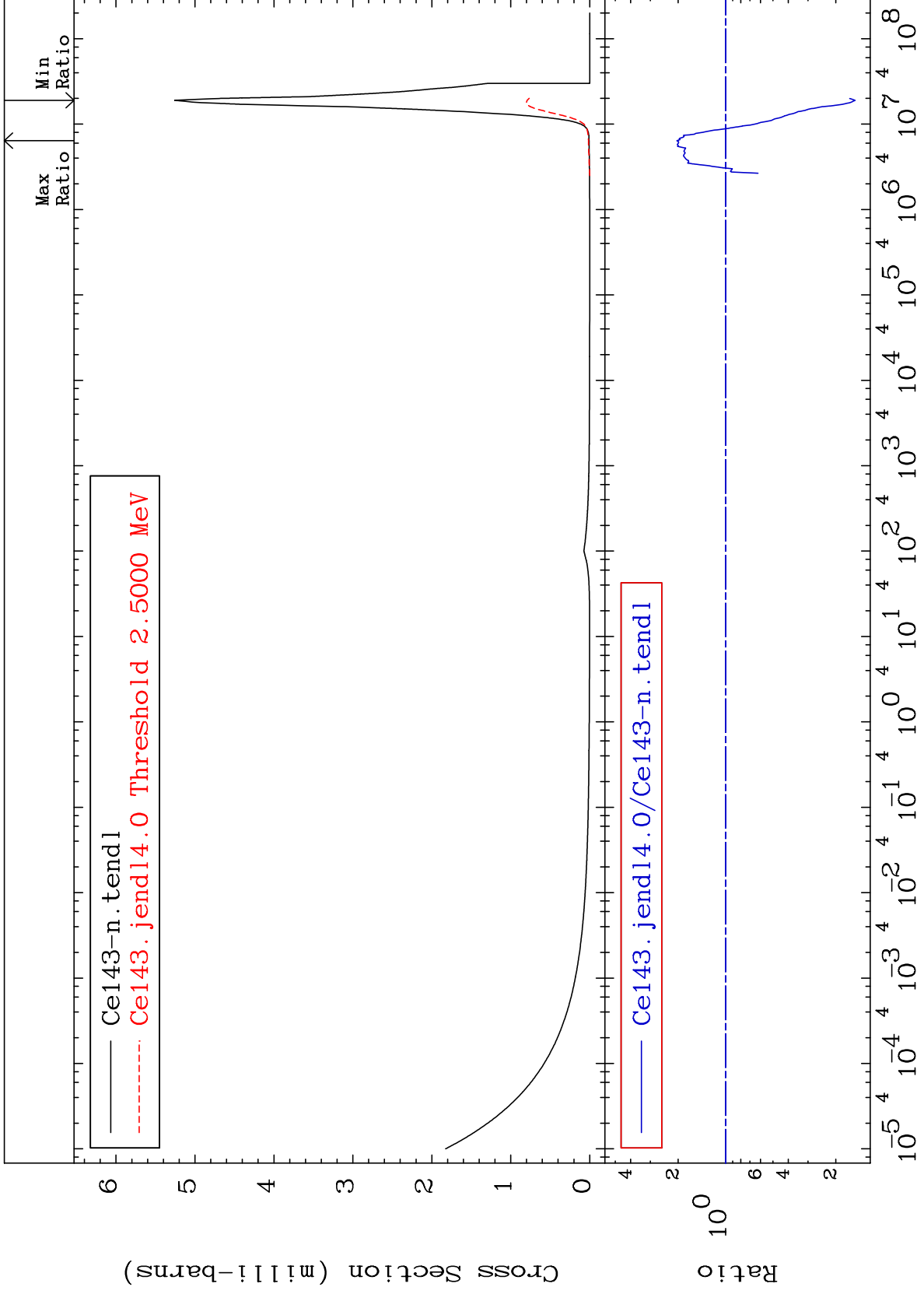
33

58-Ce-143

MAT 5846

(n,  $\alpha$ )  
Cross Section

58-Ce-143  
-84.91 To 103.4 %



34

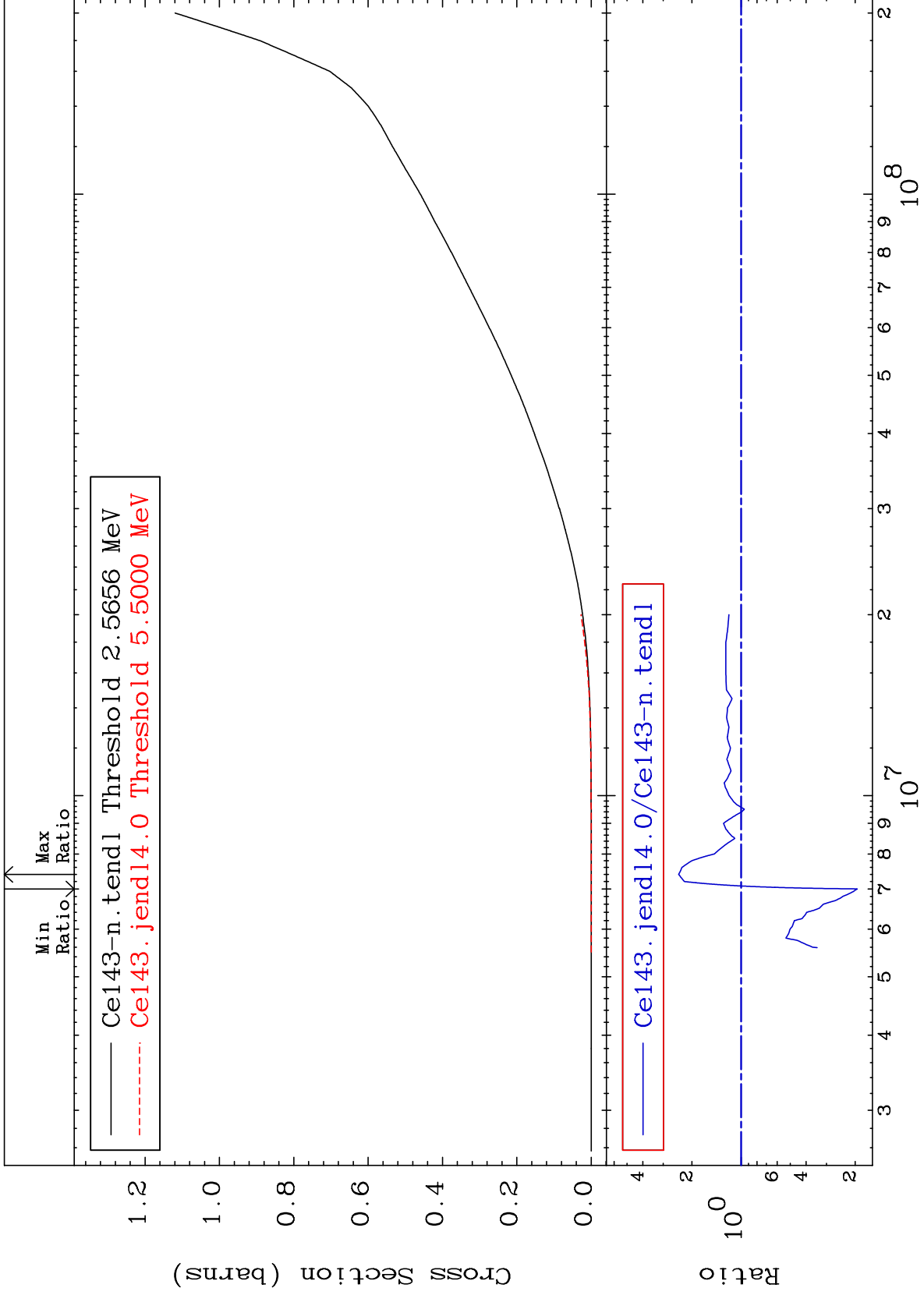
Incident Energy (eV)

58-Ce-143

MAT 5846

Hydrogen Production  
Cross Section

58-Ce-143  
-80.60 To 141.5 %



35

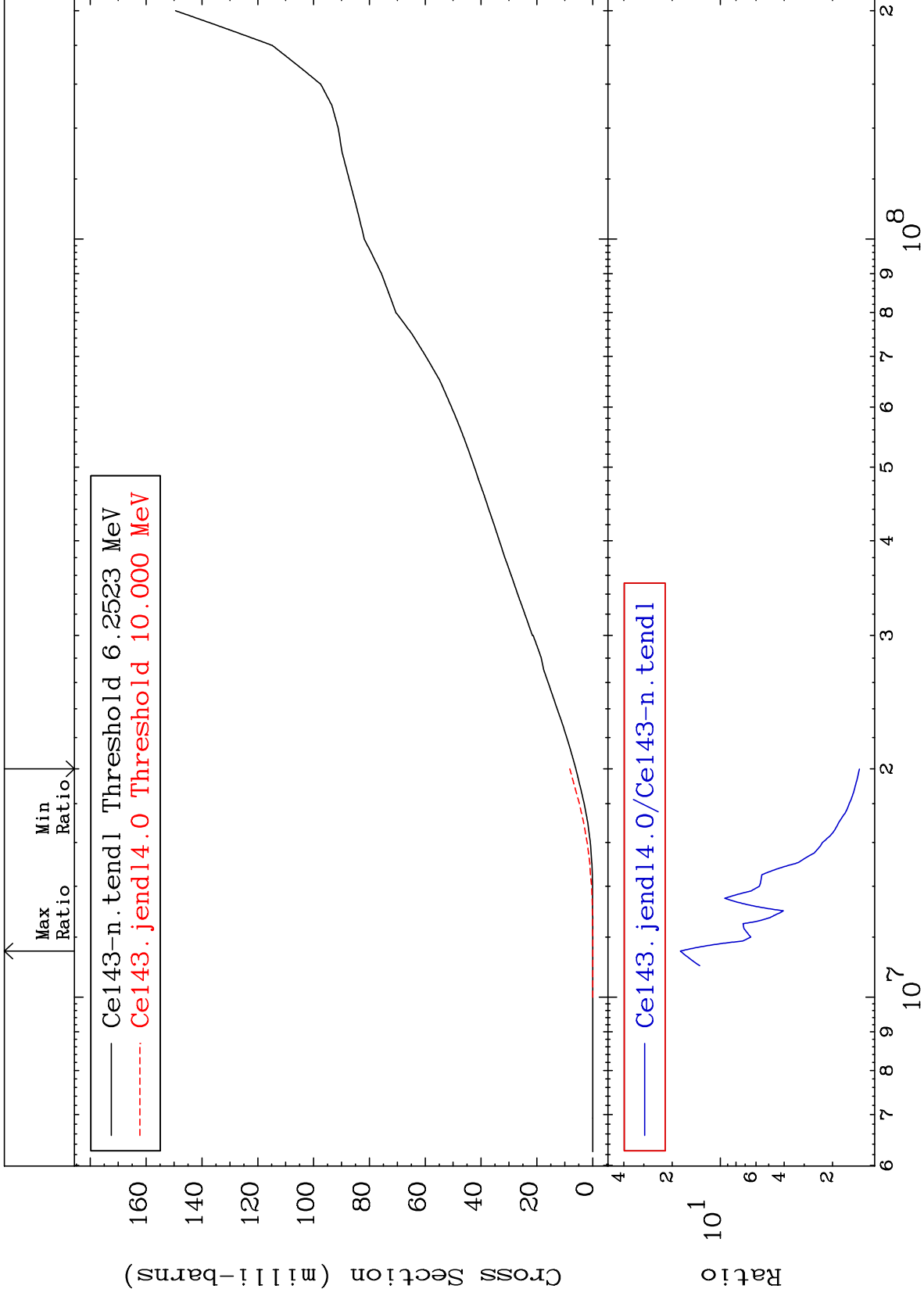
Incident Energy (eV)

58-Ce-143

MAT 5846

Deuterium Production  
Cross Section

58-Ce-143  
35.90 To 1676. %



36

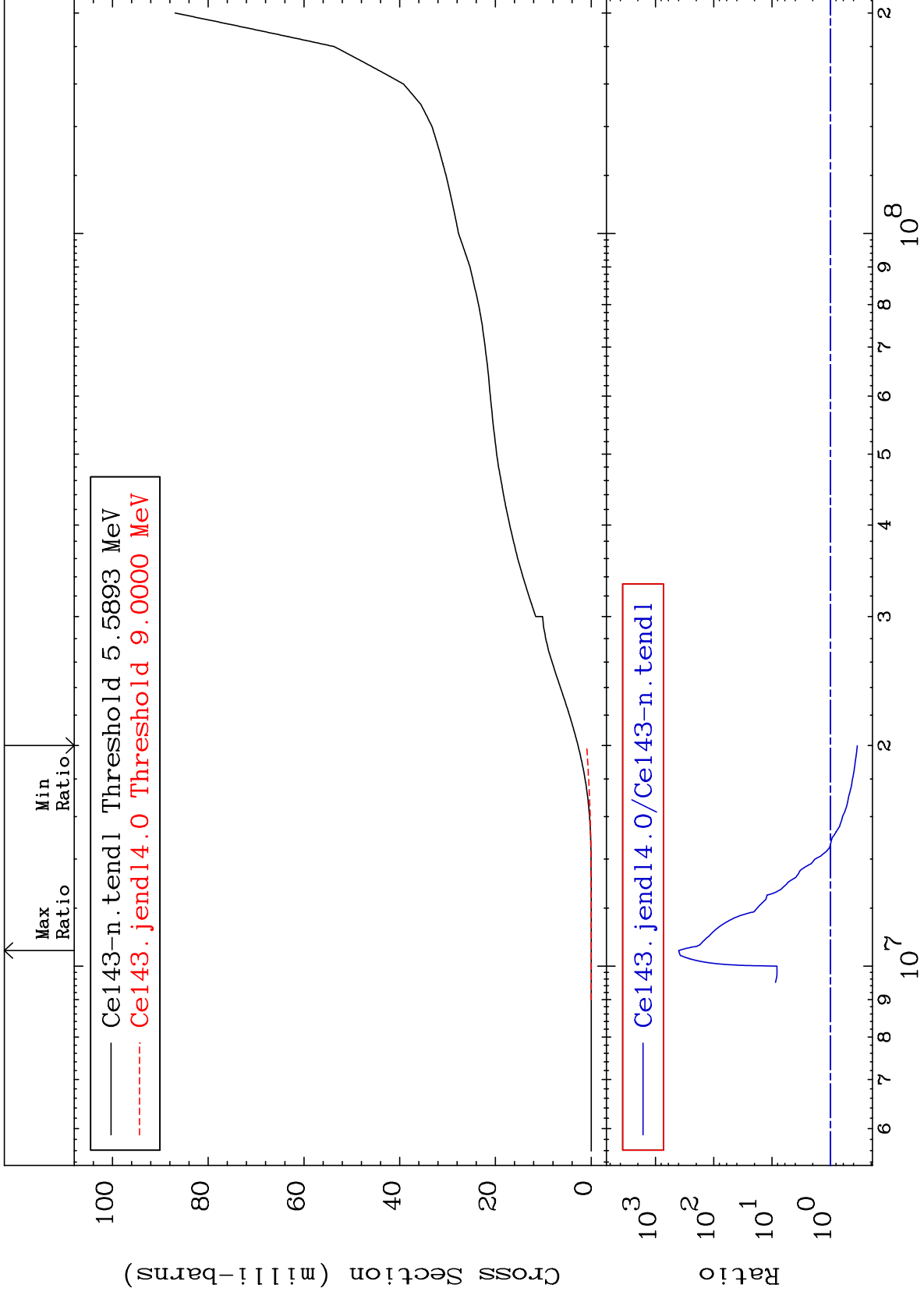
Incident Energy (eV)

58-Ce-143

MAT 5846

Tritium Production  
Cross Section

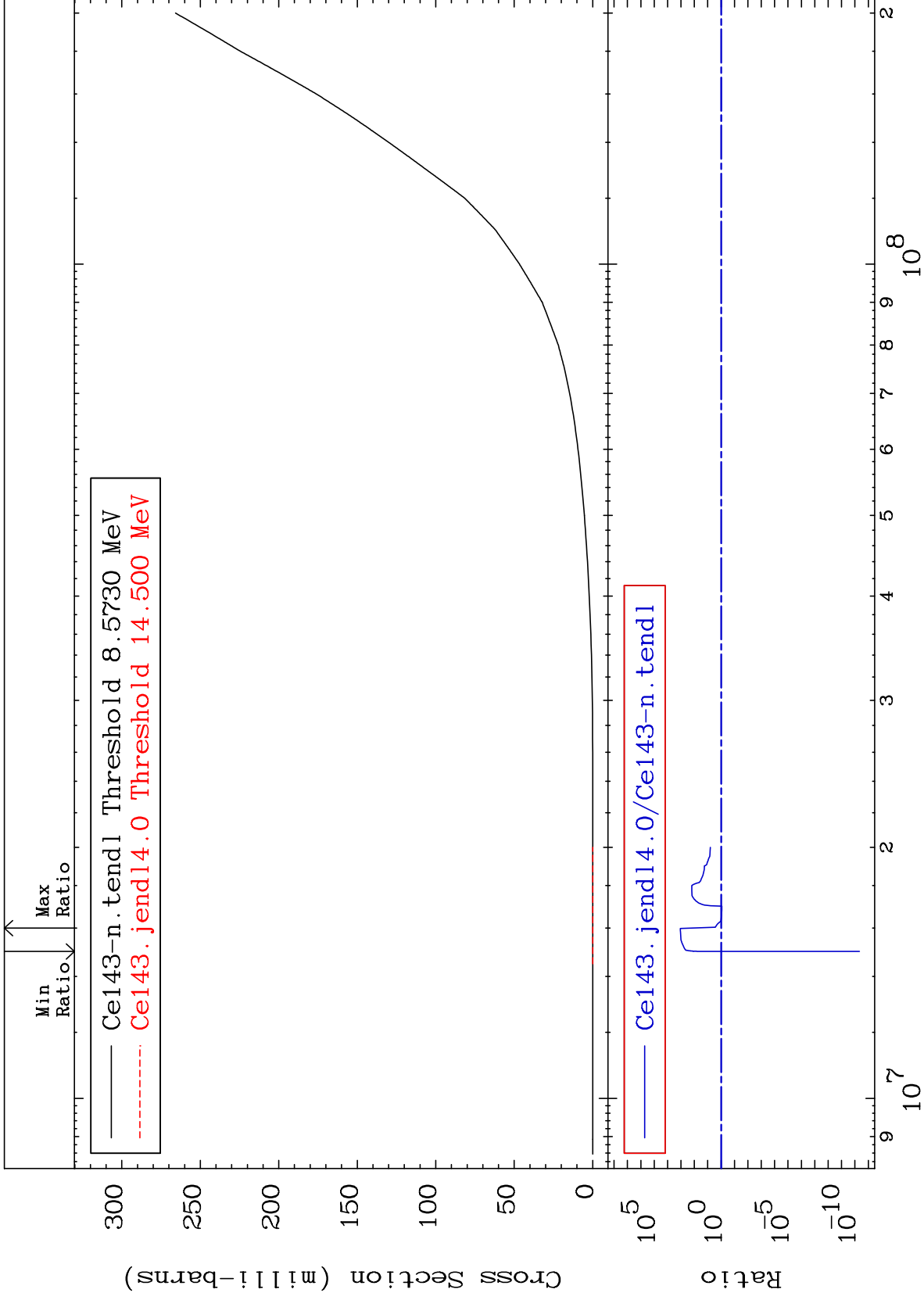
58-Ce-143  
-65.47 To 9999. %



MAT 5846

He-3 Production  
Cross Section

58-Ce-143  
-100.0 To 9999. %



38

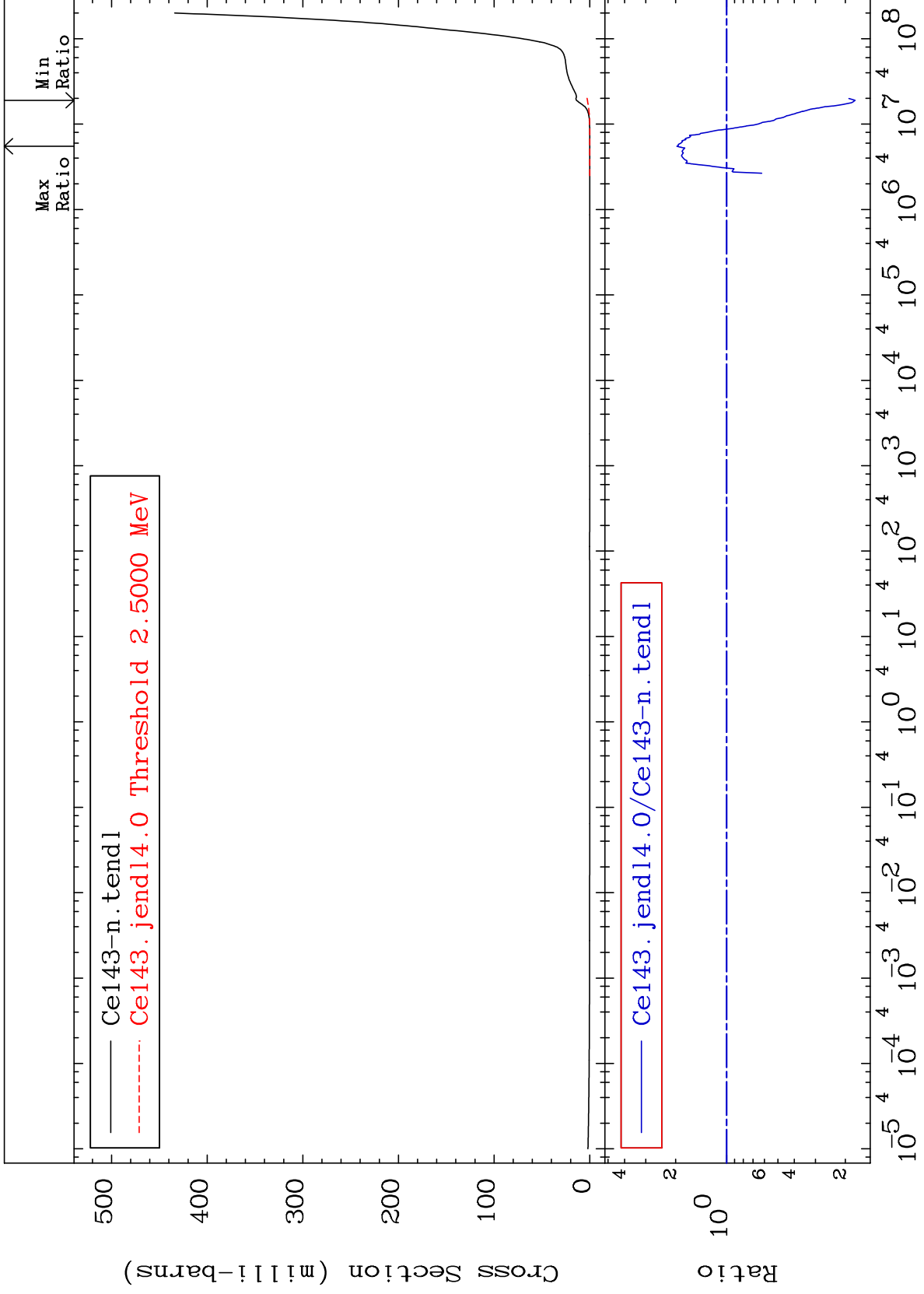
Incident Energy (eV)

58-Ce-143

MAT 5846

He-4 Production  
Cross Section

58-Ce-143  
-82.46 To 96.49 %



Incident Energy (eV)

58-Ce-143

39

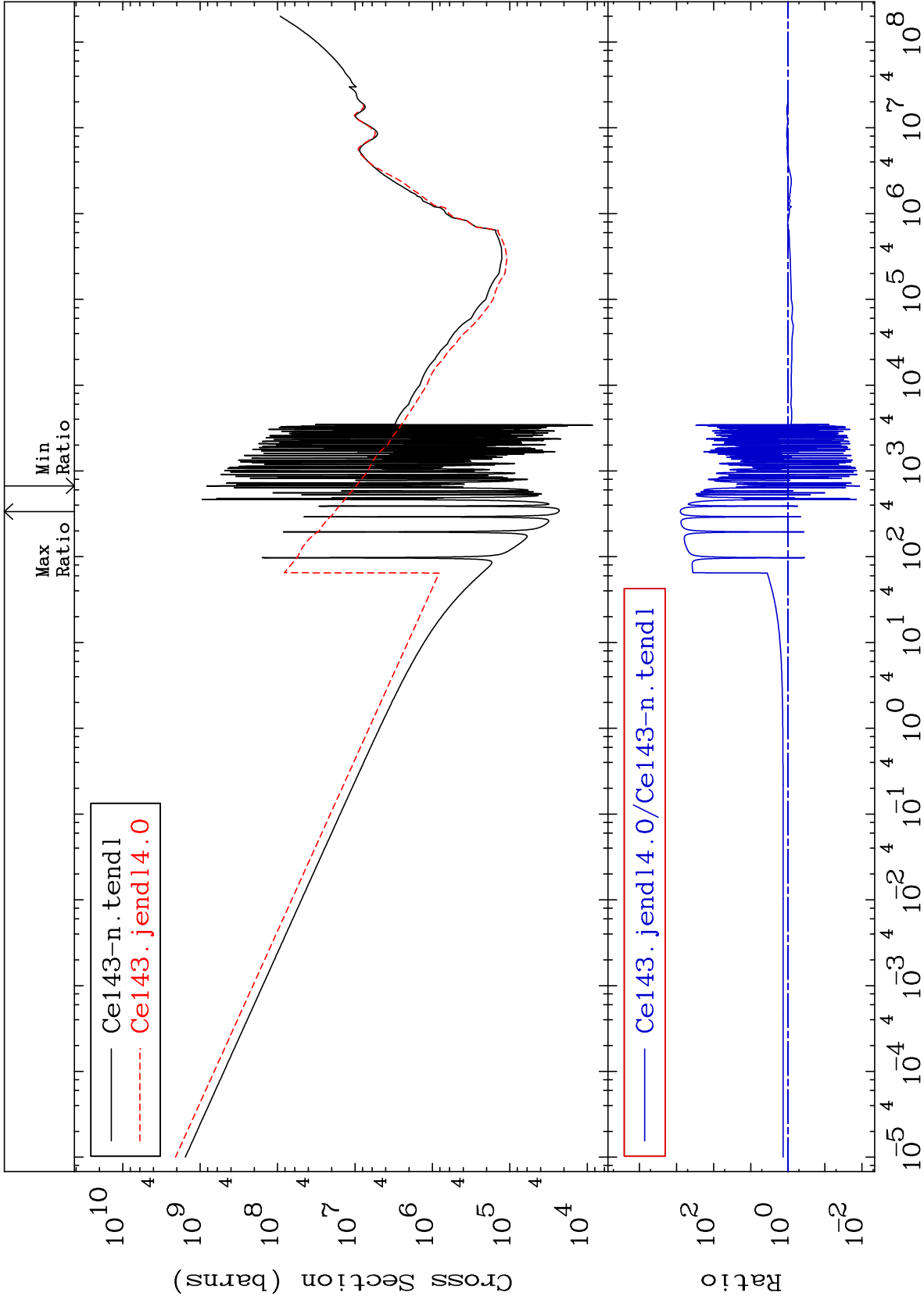
MAT 5846

Kerma total (eV-barns)

58-Ce-143

-98.83 To 9999. %

Cross Section



40

Incident Energy (eV)

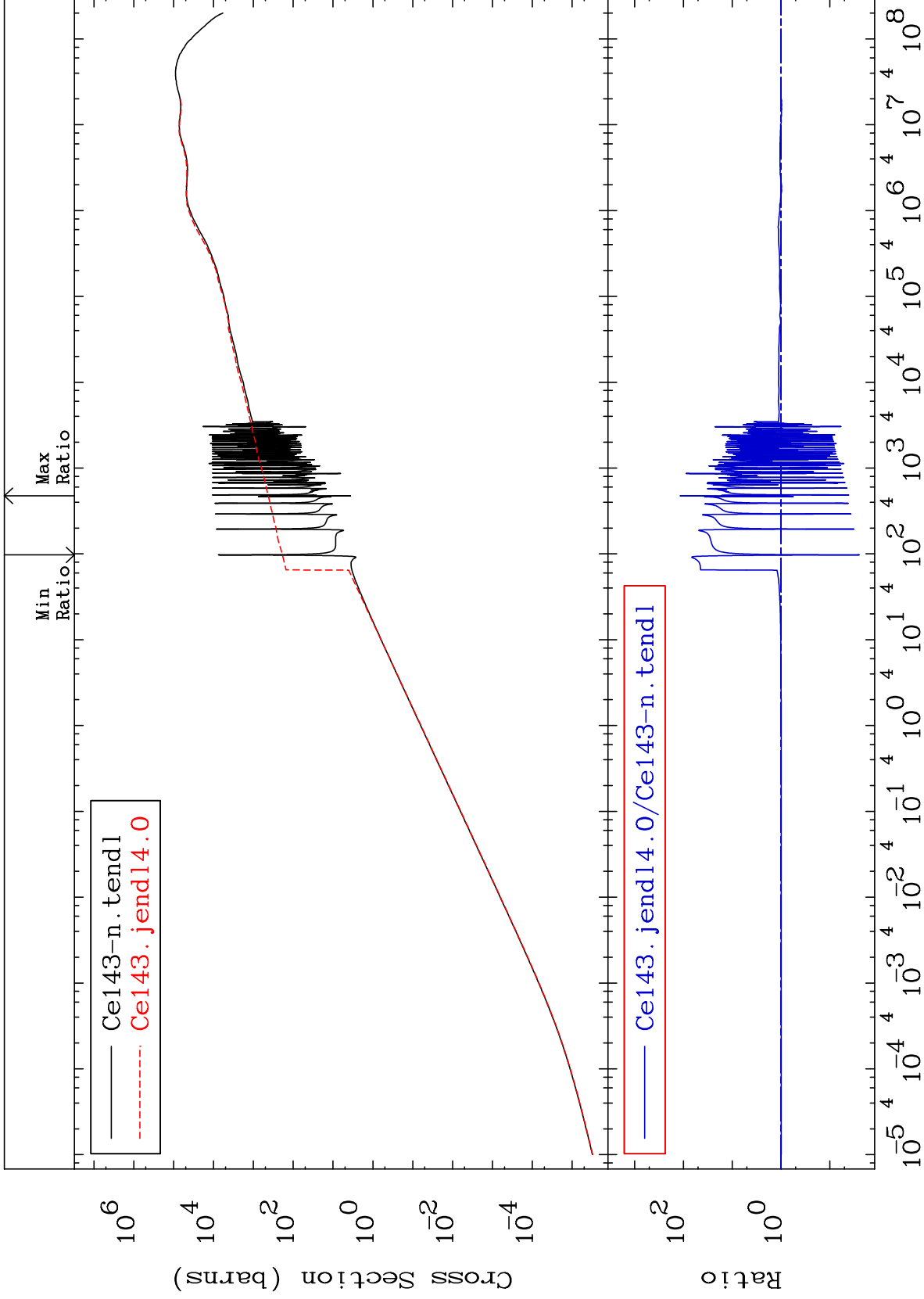
58-Ce-143

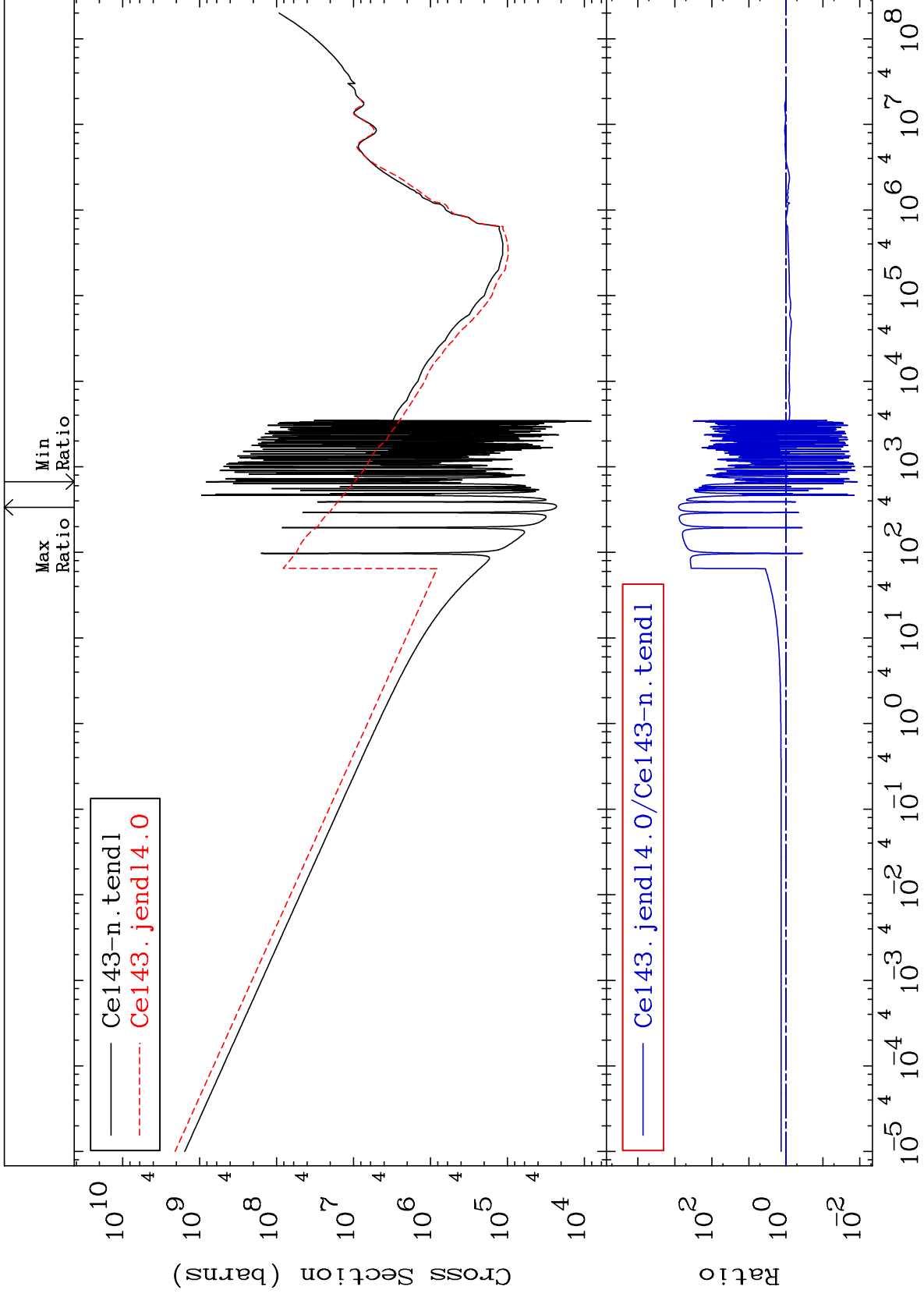


MAT 5846

Kerma elastic  
Cross Section

58-Ce-143  
-97.54 To 9999. %

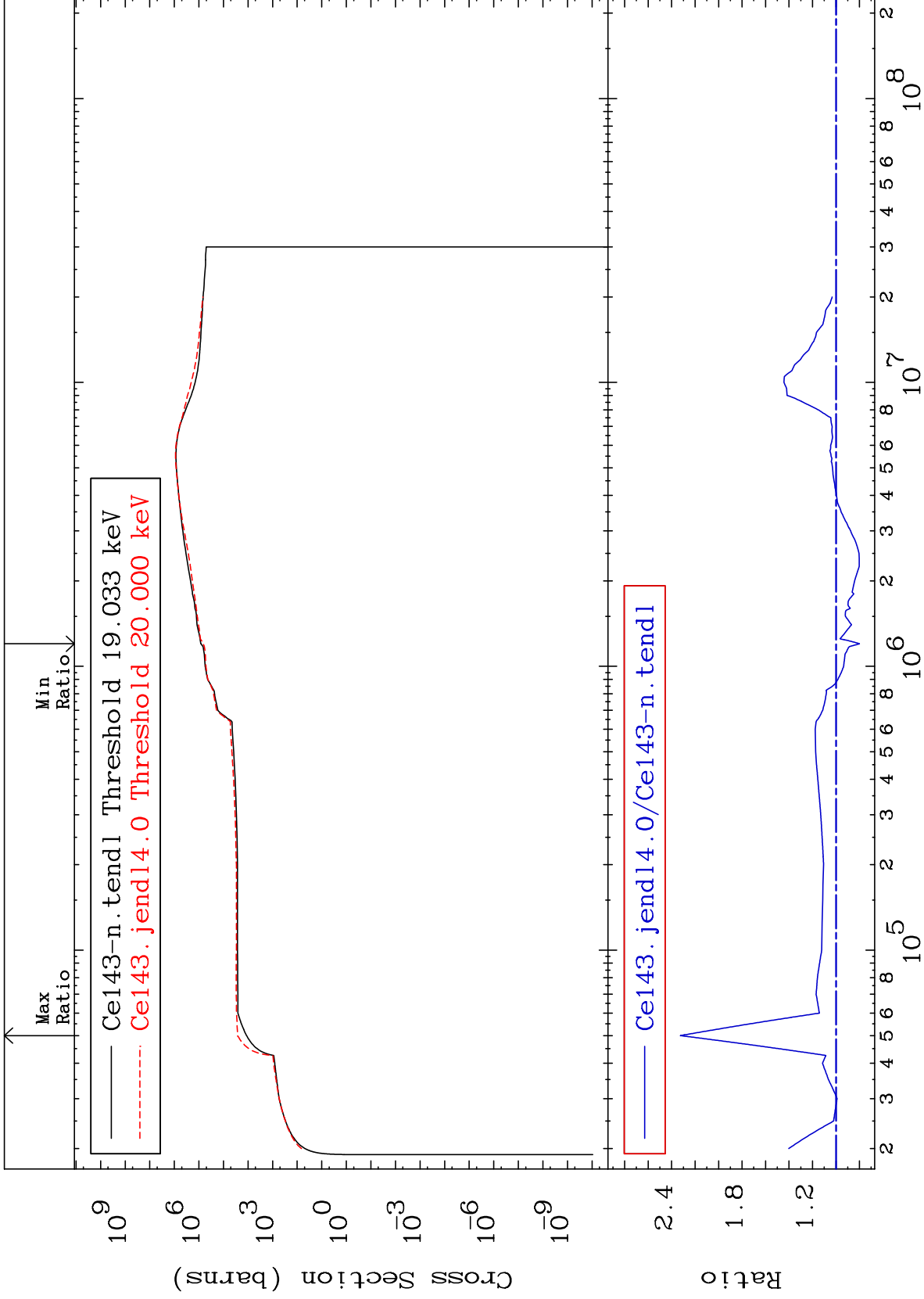




MAT 5846

Kerma inelastic (mt51-91)  
Cross Section

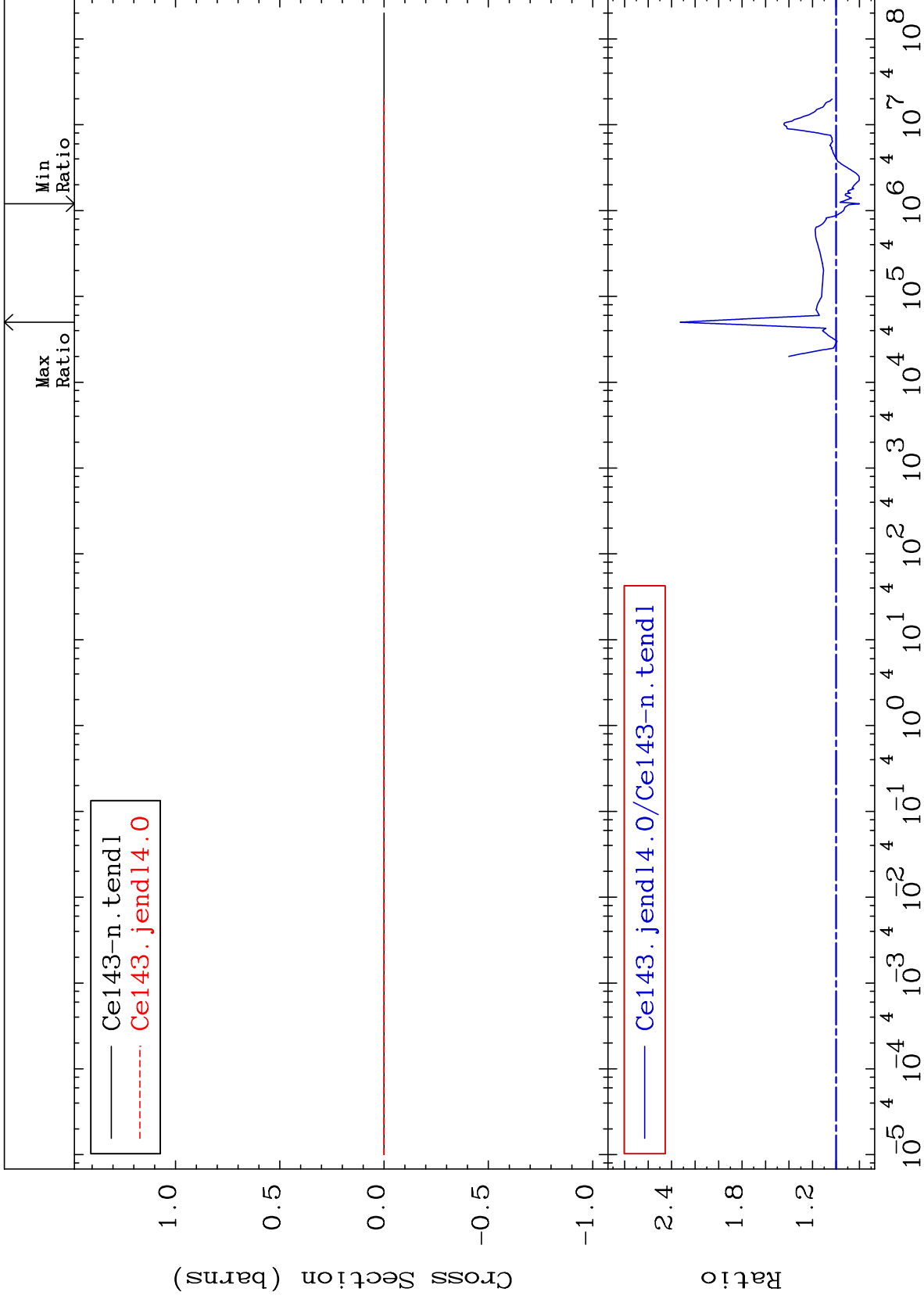
58-Ce-143  
-19.97 To 132.6 %



MAT 5846

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

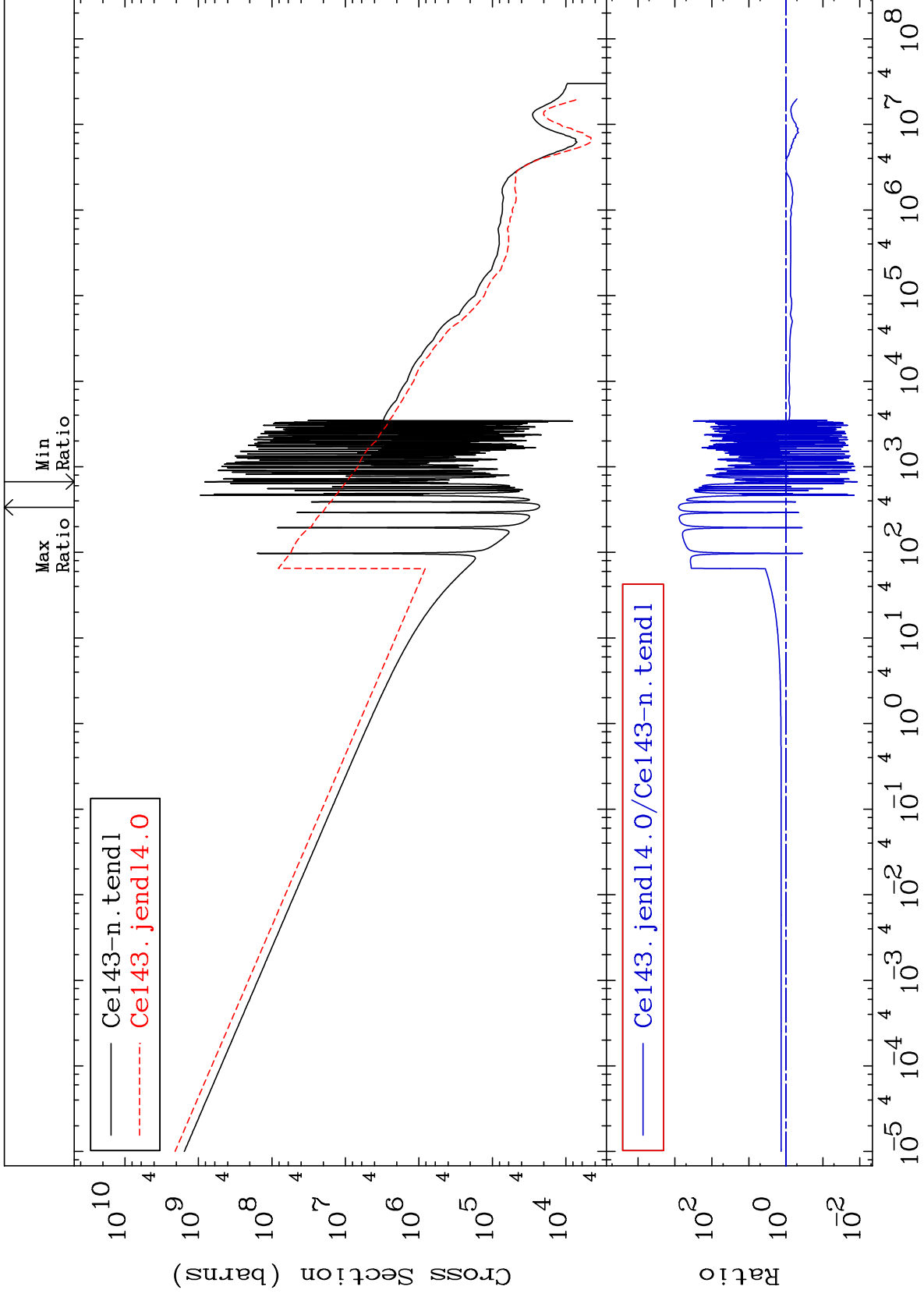
58-Ce-143  
-19.97 To 132.6 %

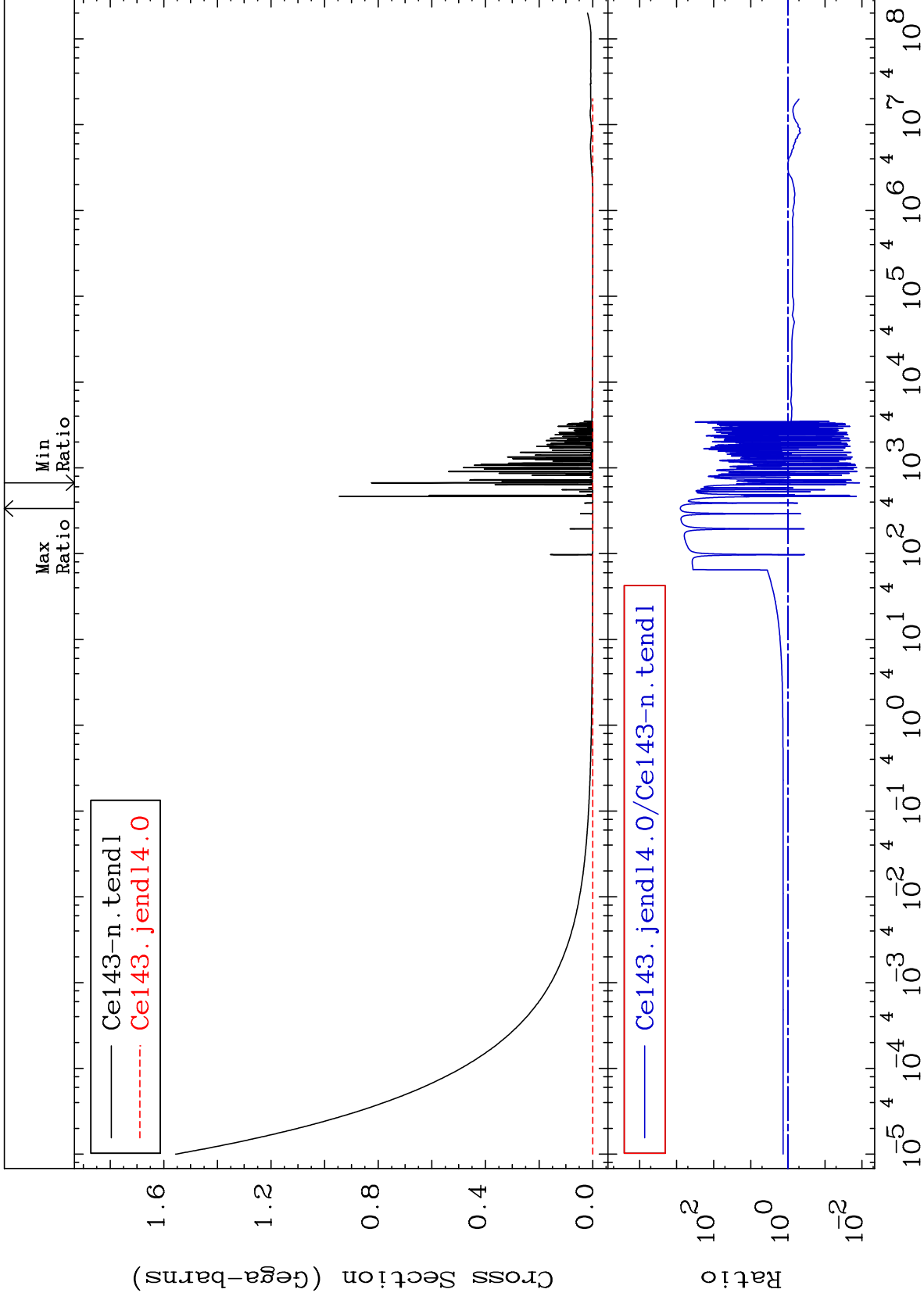


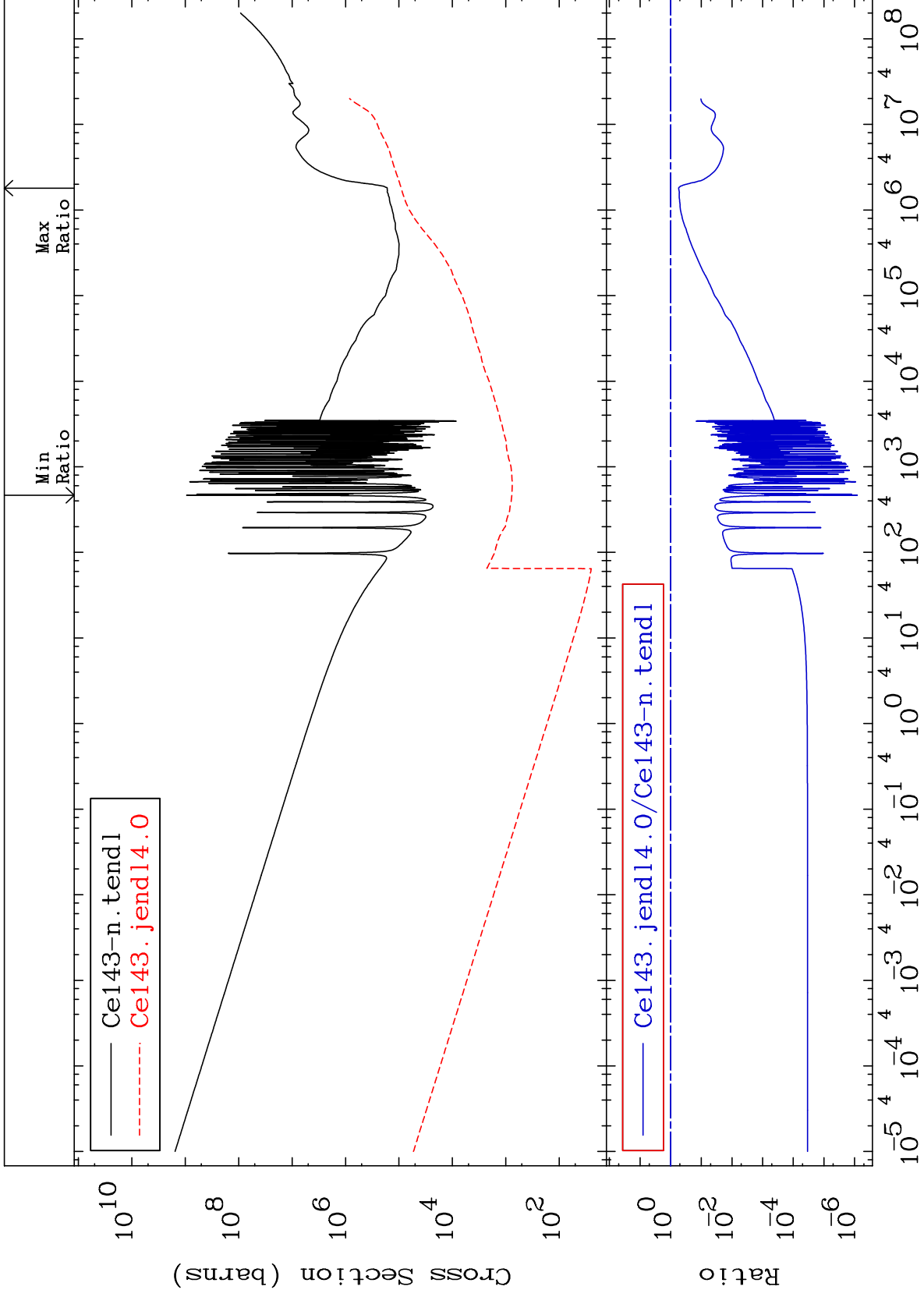
44

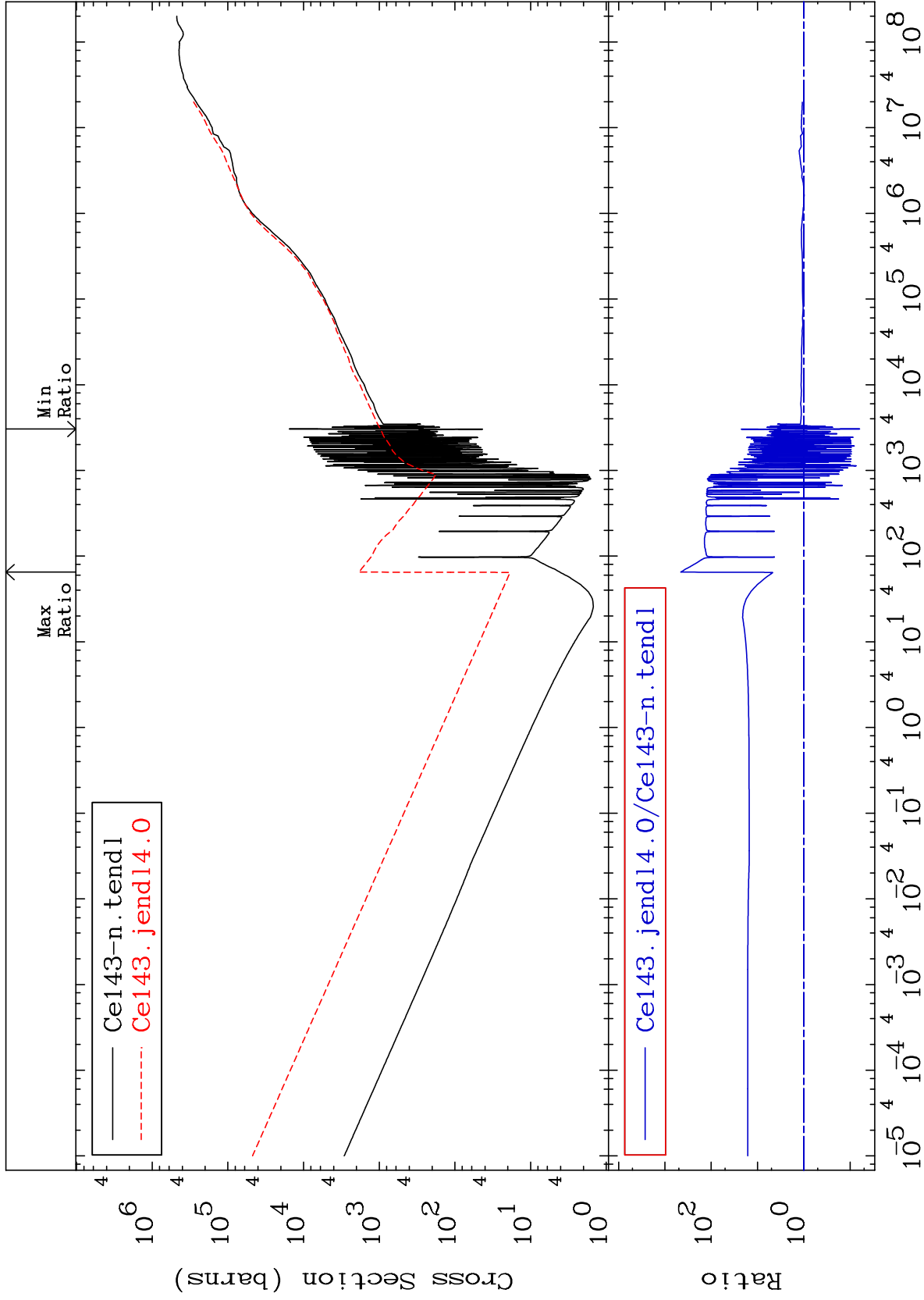
Incident Energy (eV)

58-Ce-143







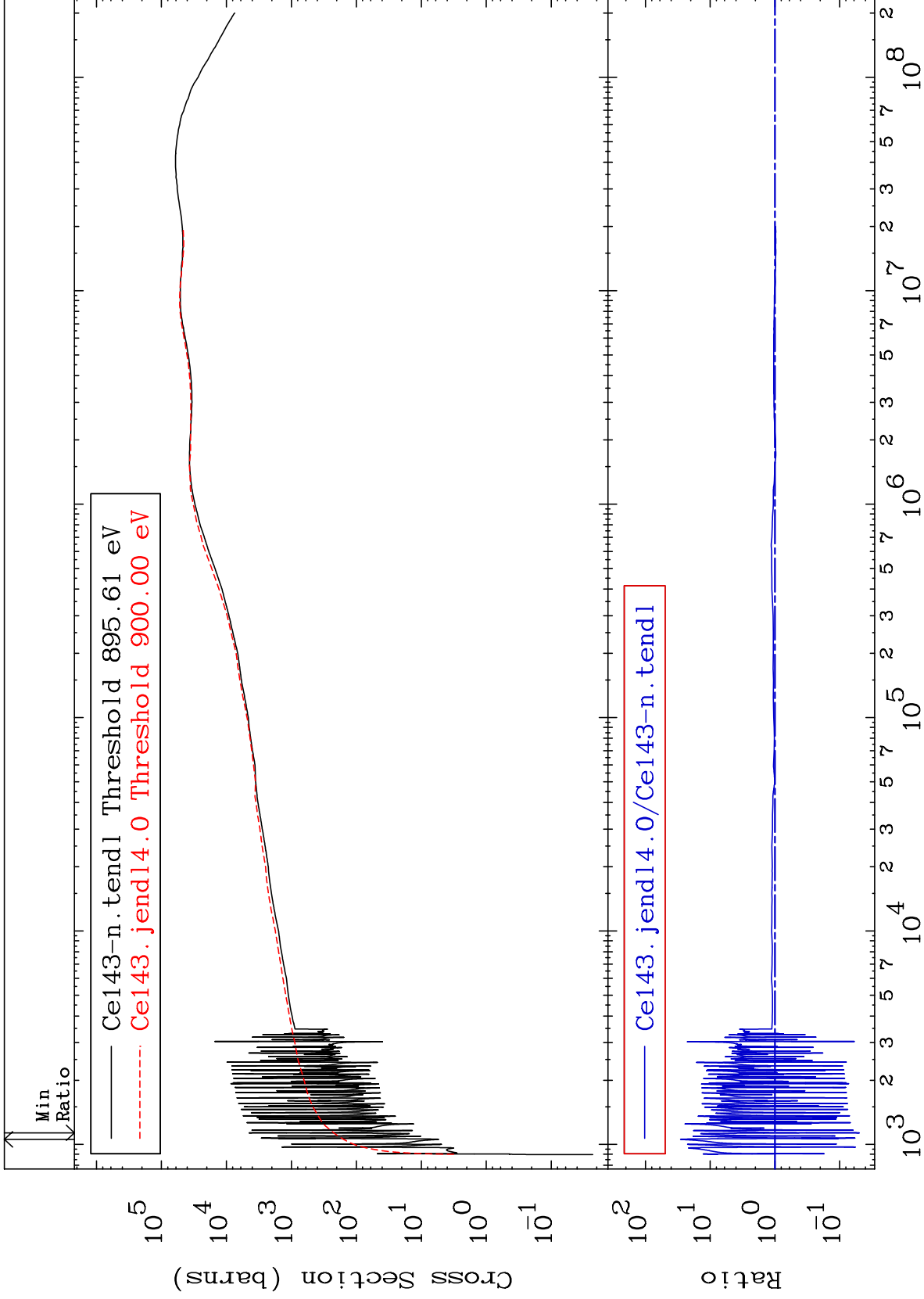




MAT 5846

Dpa elastic (mt2)  
Cross Section

58-Ce-143  
-95.04 To 2787. %



49

Incident Energy (eV)

58-Ce-143

MAT 5846

Dpa inelastic (mt51-91)  
Cross Section

58-Ce-143  
-19.03 To 113.2 %

