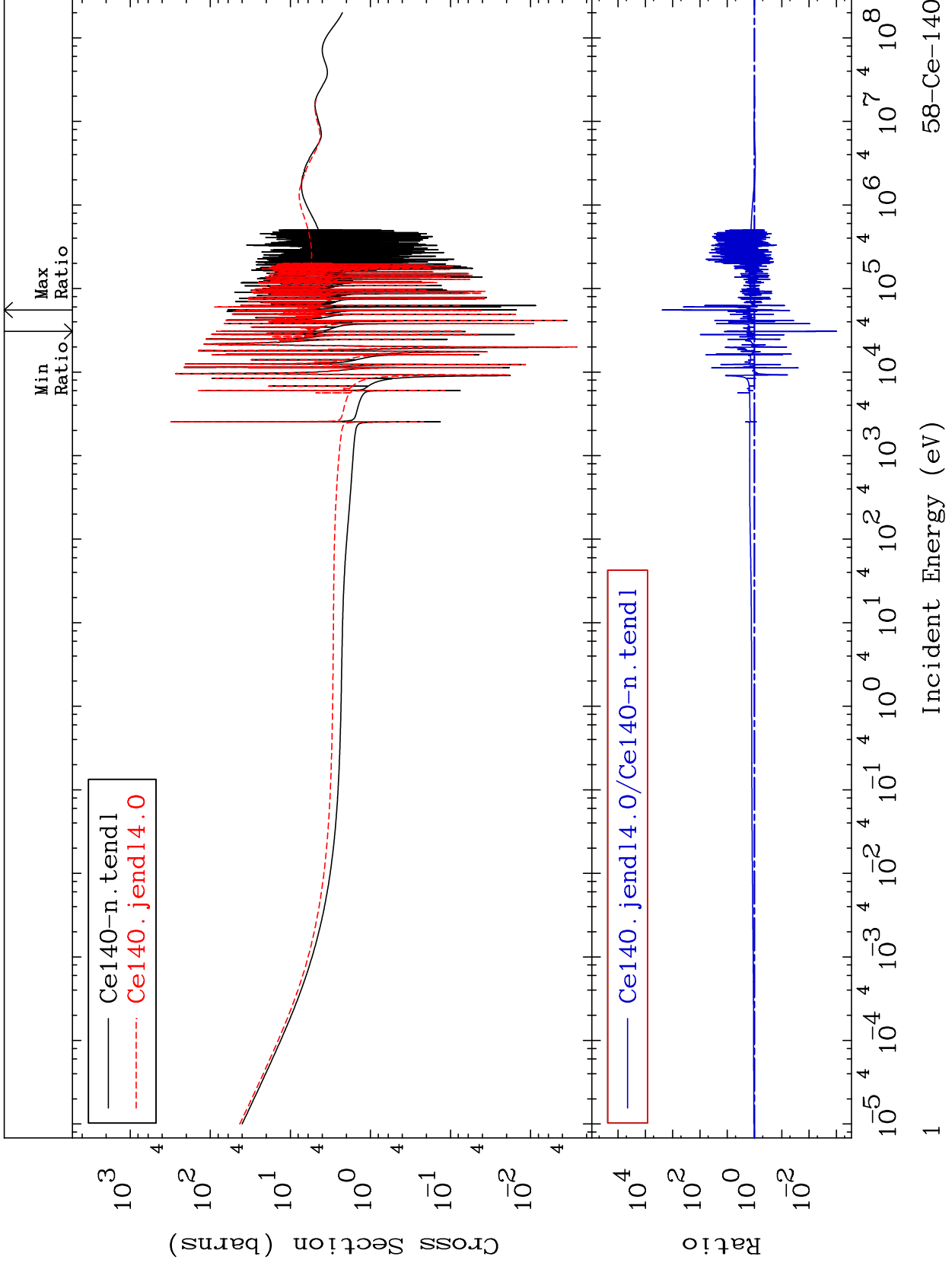


MAT 5837

Total  
Cross Section

58-Ce-140  
-99.90 To 9999. %



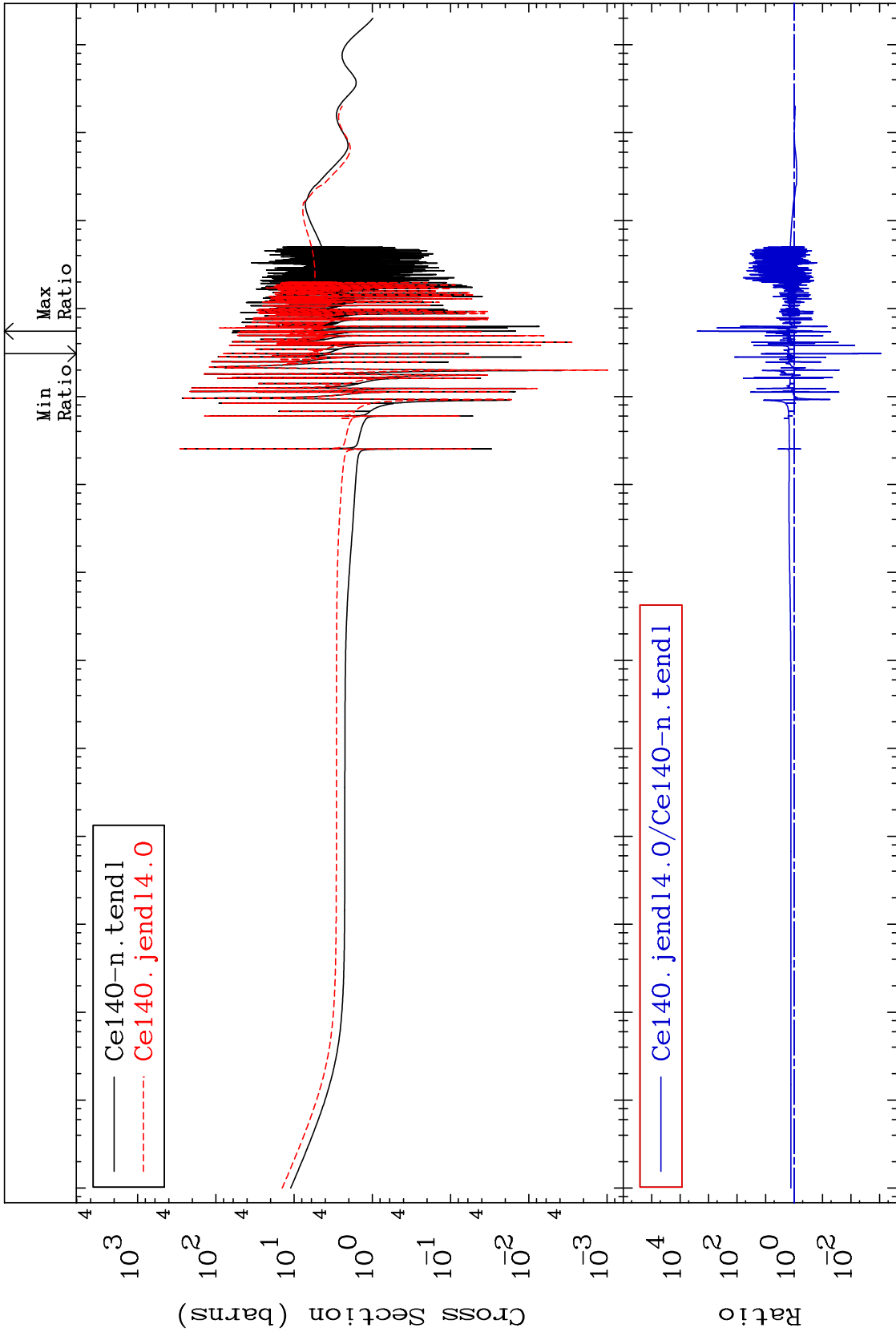
Incident Energy (eV)

58-Ce-140

MAT 5837

Elastic  
Cross Section

58-Ce-140  
-99.91 To 9999. %



Incident Energy (eV)

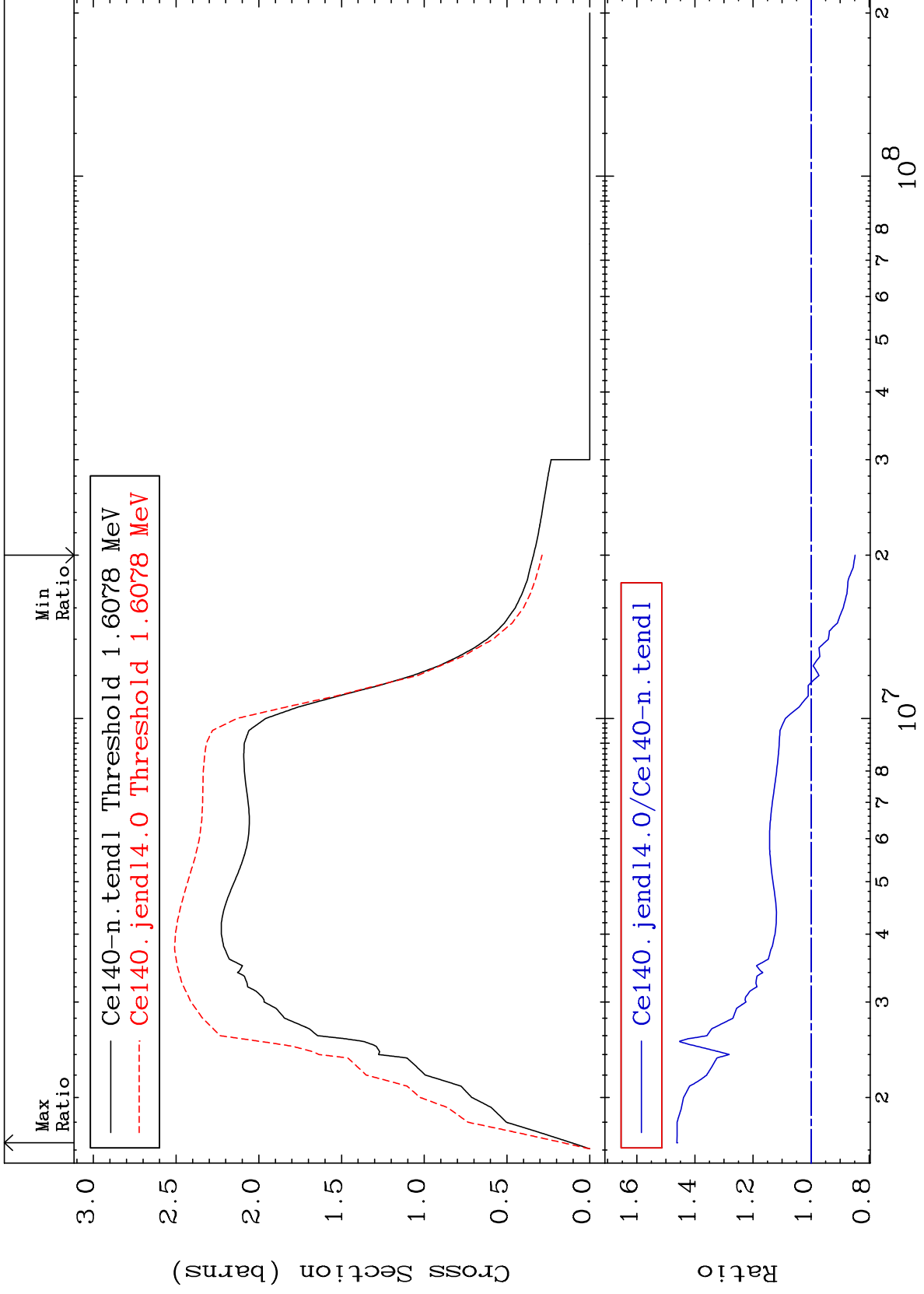
2

58-Ce-140

MAT 5837

Inelastic  
Cross Section

58-Ce-140  
-15.12 To 46.18 %



MAT 5837

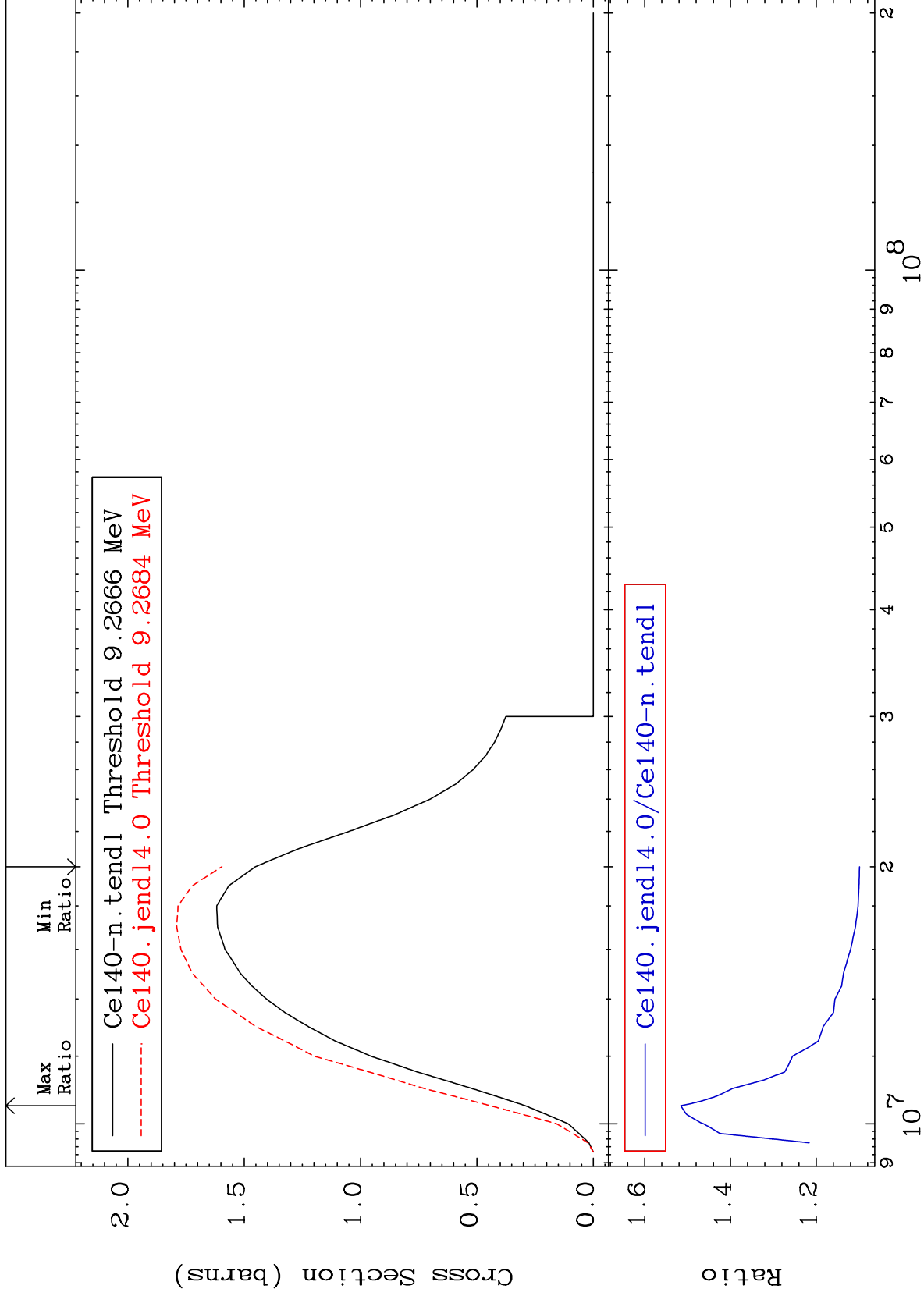
(n,2n)

58-Ce-140

Cross Section

9.895

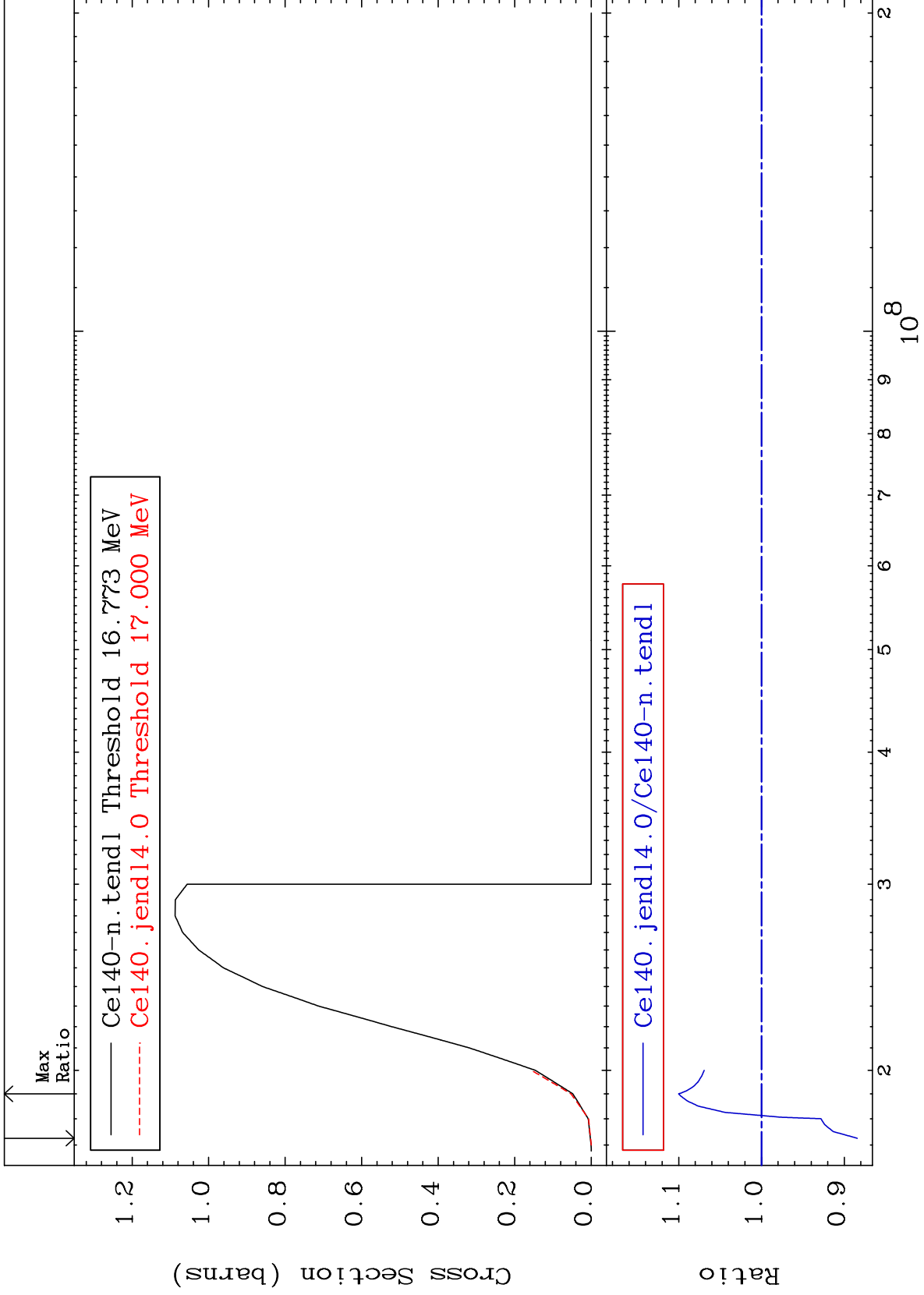
To 51.59 %



MAT 5837

(n,3n)  
Cross Section

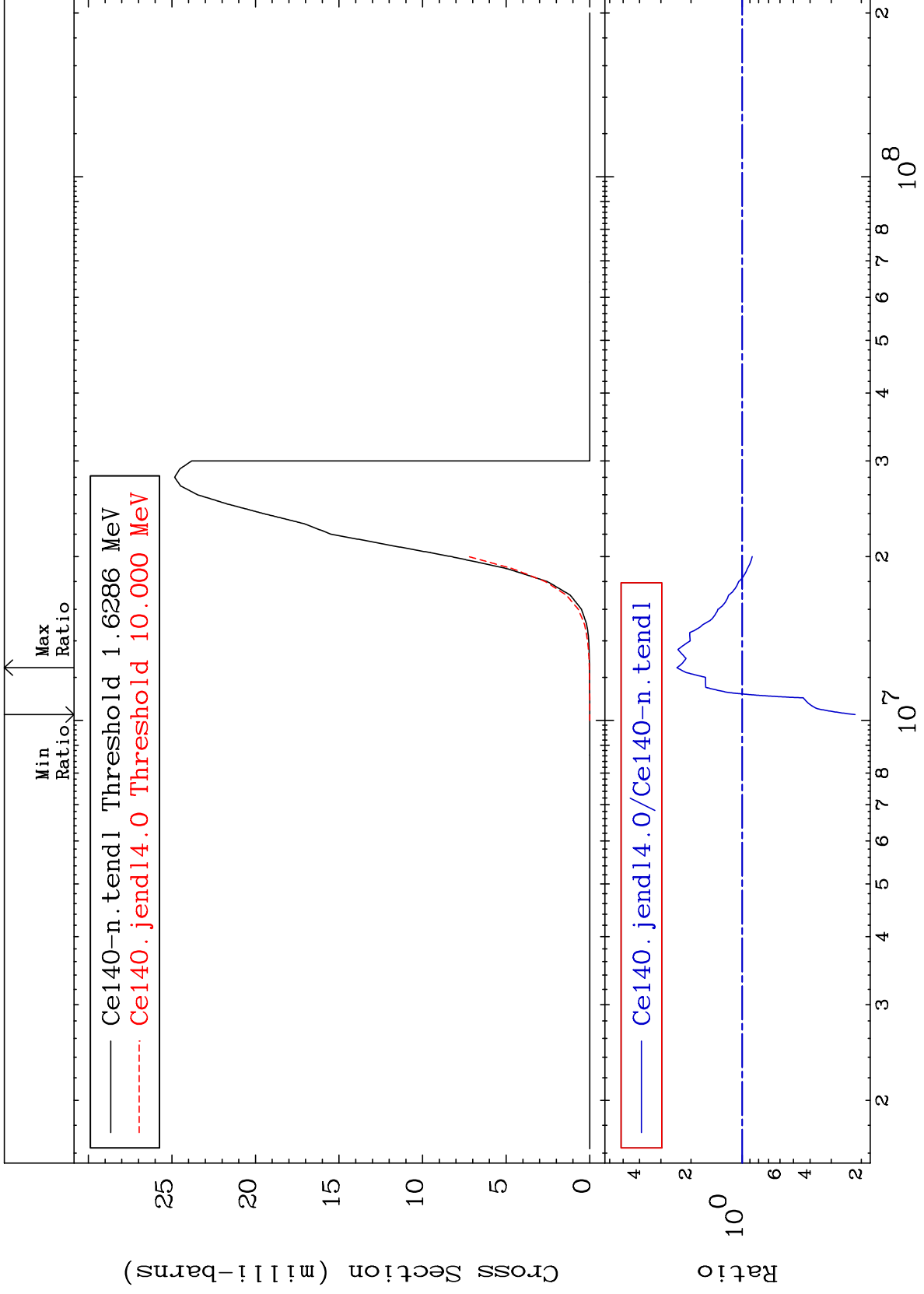
58-Ce-140  
-11.56 To 10.01 %



MAT 5837

58-Ce-140  
-78.26 To 141.6 %

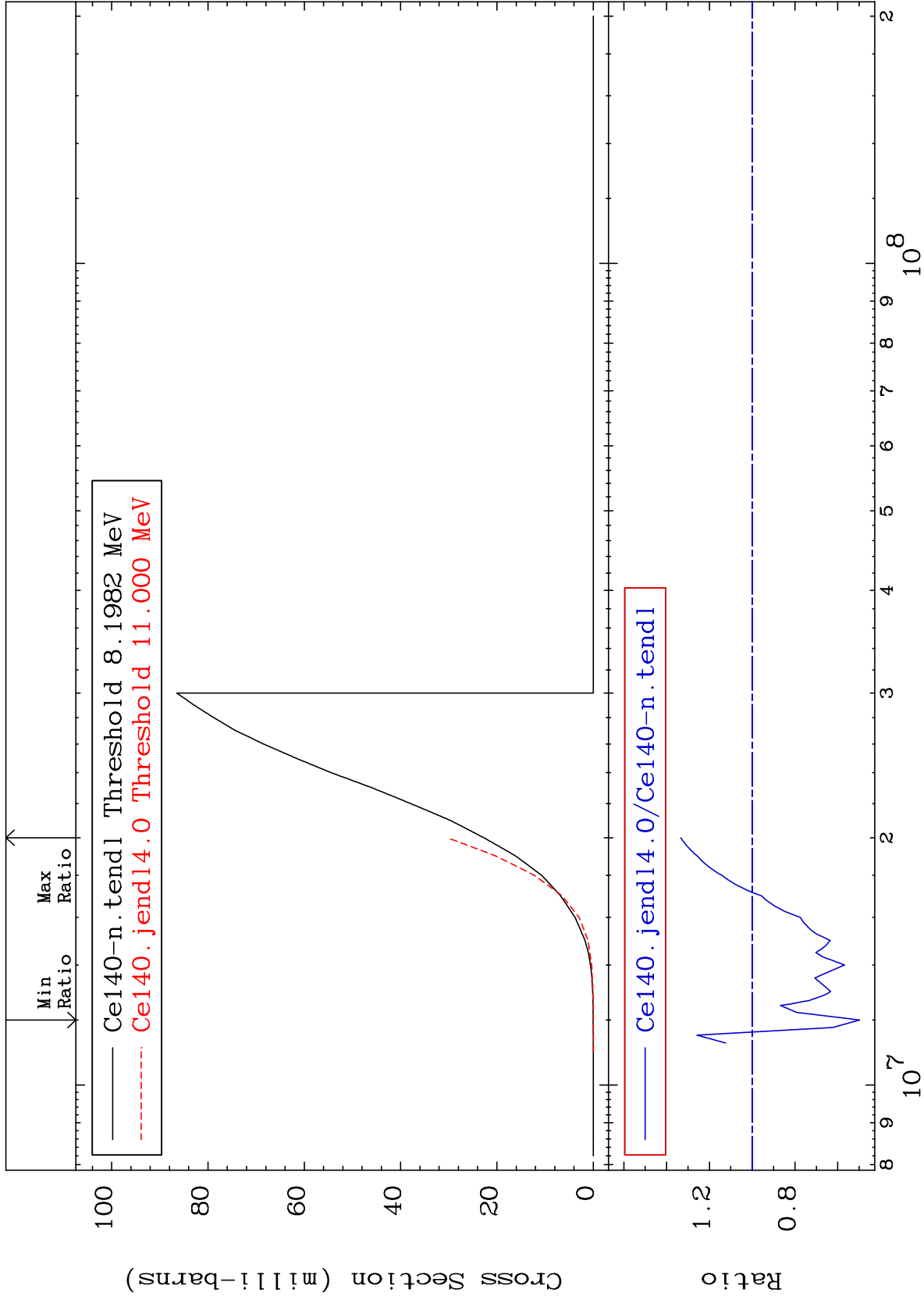
(n, n')  $\alpha$   
Cross Section



MAT 5837

(n,n') p  
Cross Section

58-Ce-140  
-50.19 To 33.37 %



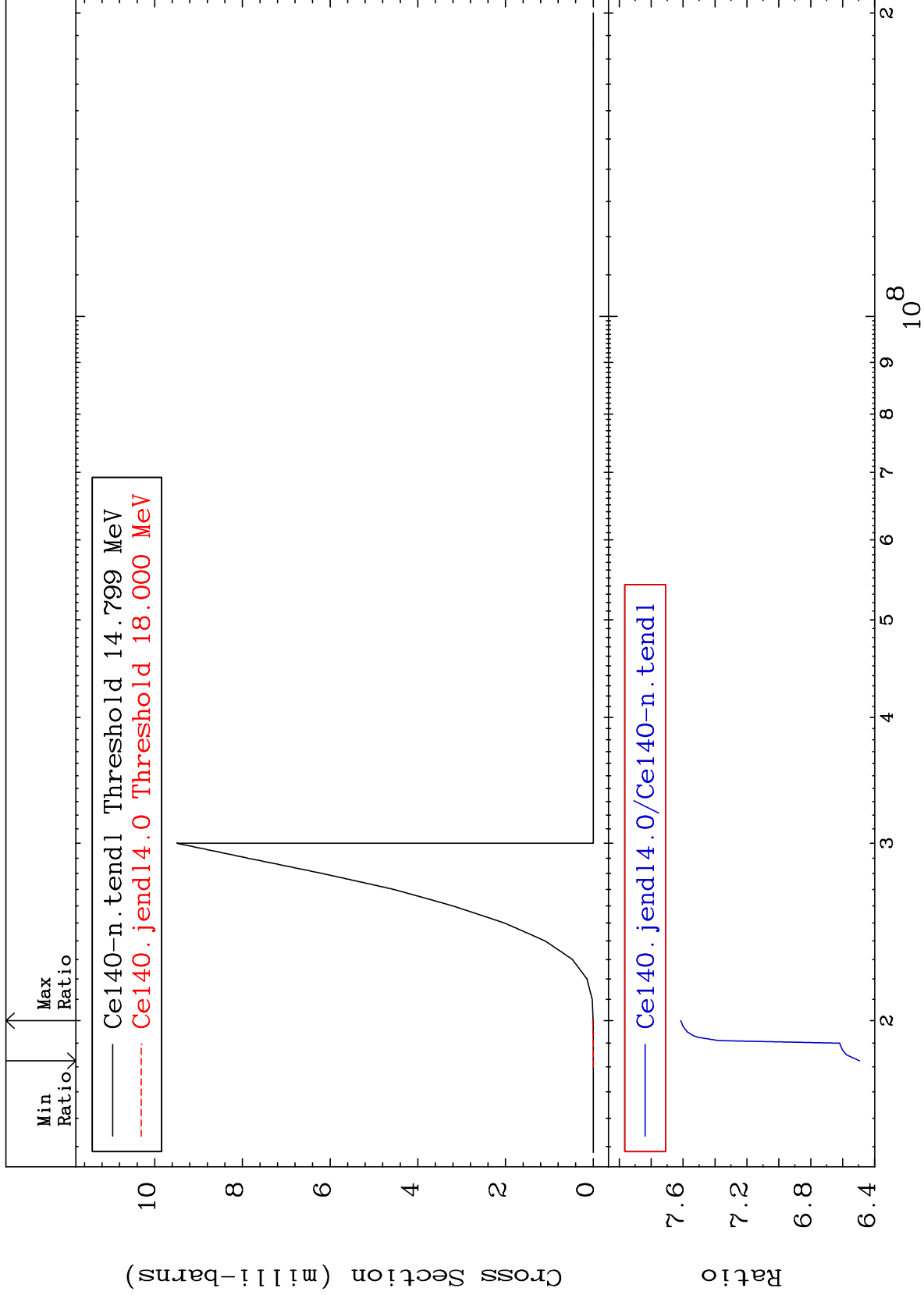
Incident Energy (eV)

58-Ce-140

MAT 5837

(n,n') d  
Cross Section

58-Ce-140  
549.4 To 661.4 %





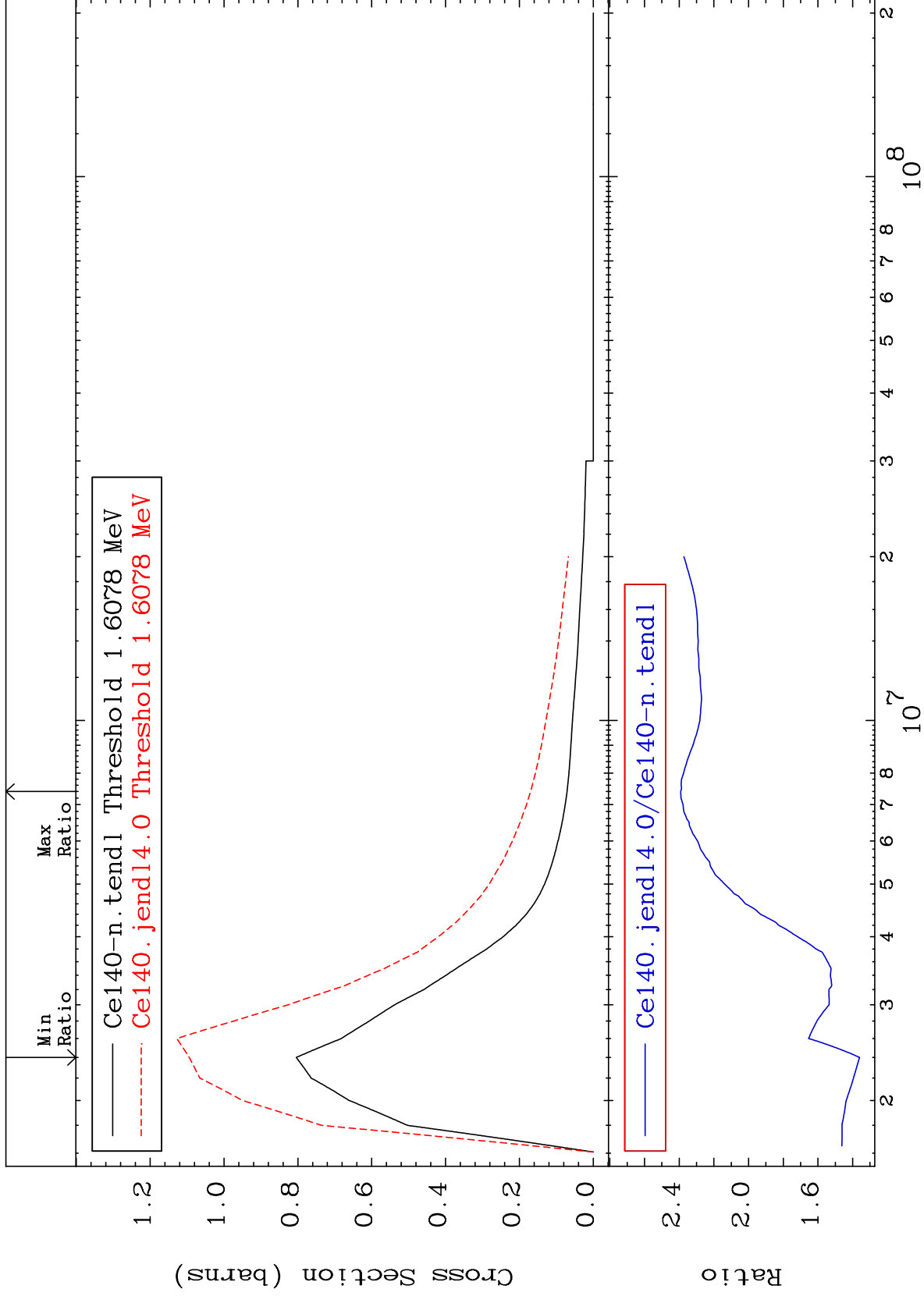
MAT 5837

1.596 MeV (n,n') Level

58-Ce-140

36.02 To 139.1 %

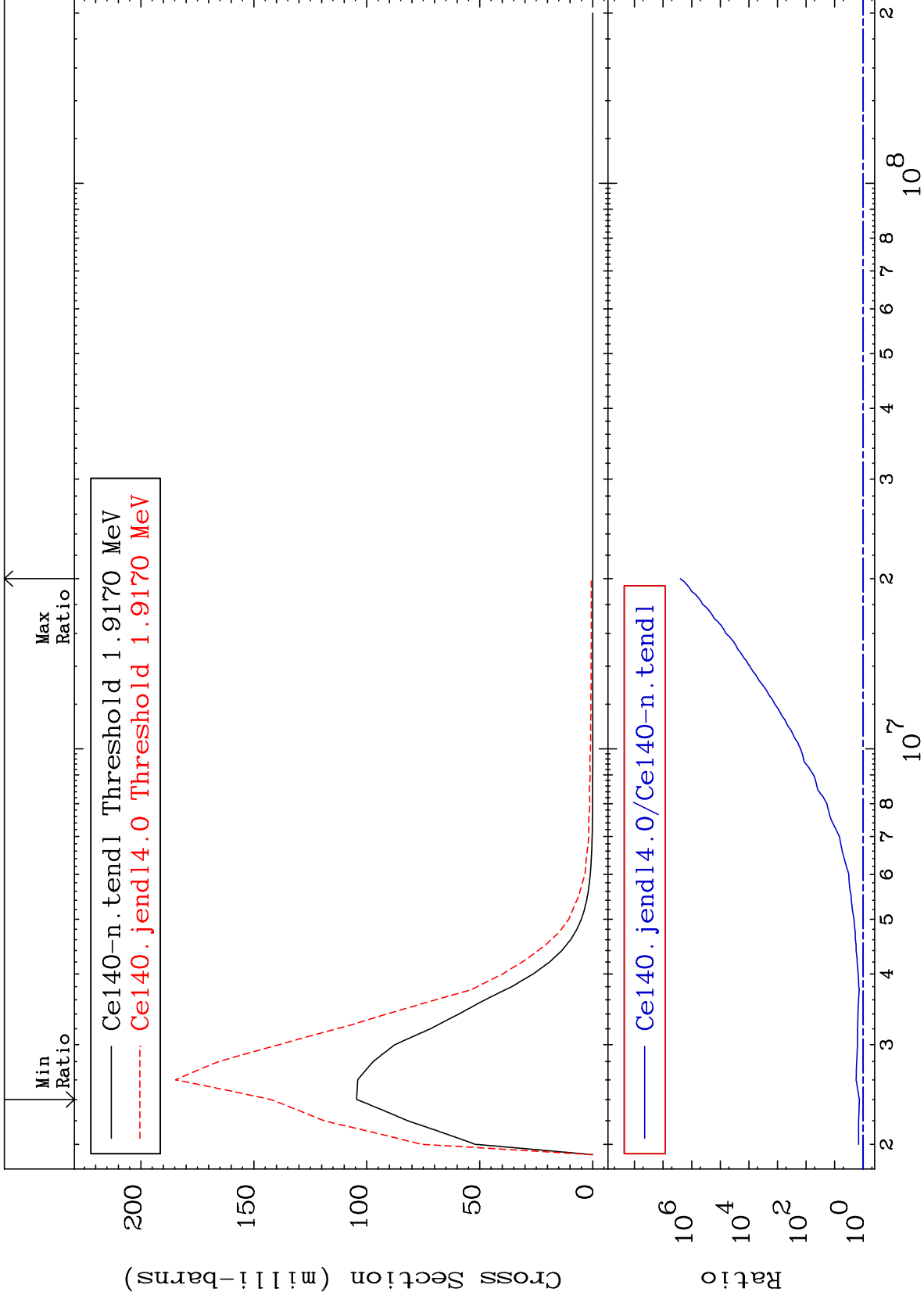
Cross Section



MAT 5837

1.903 MeV (n,n') Level  
Cross Section

58-Ce-140  
36.35 To 9999. %



10

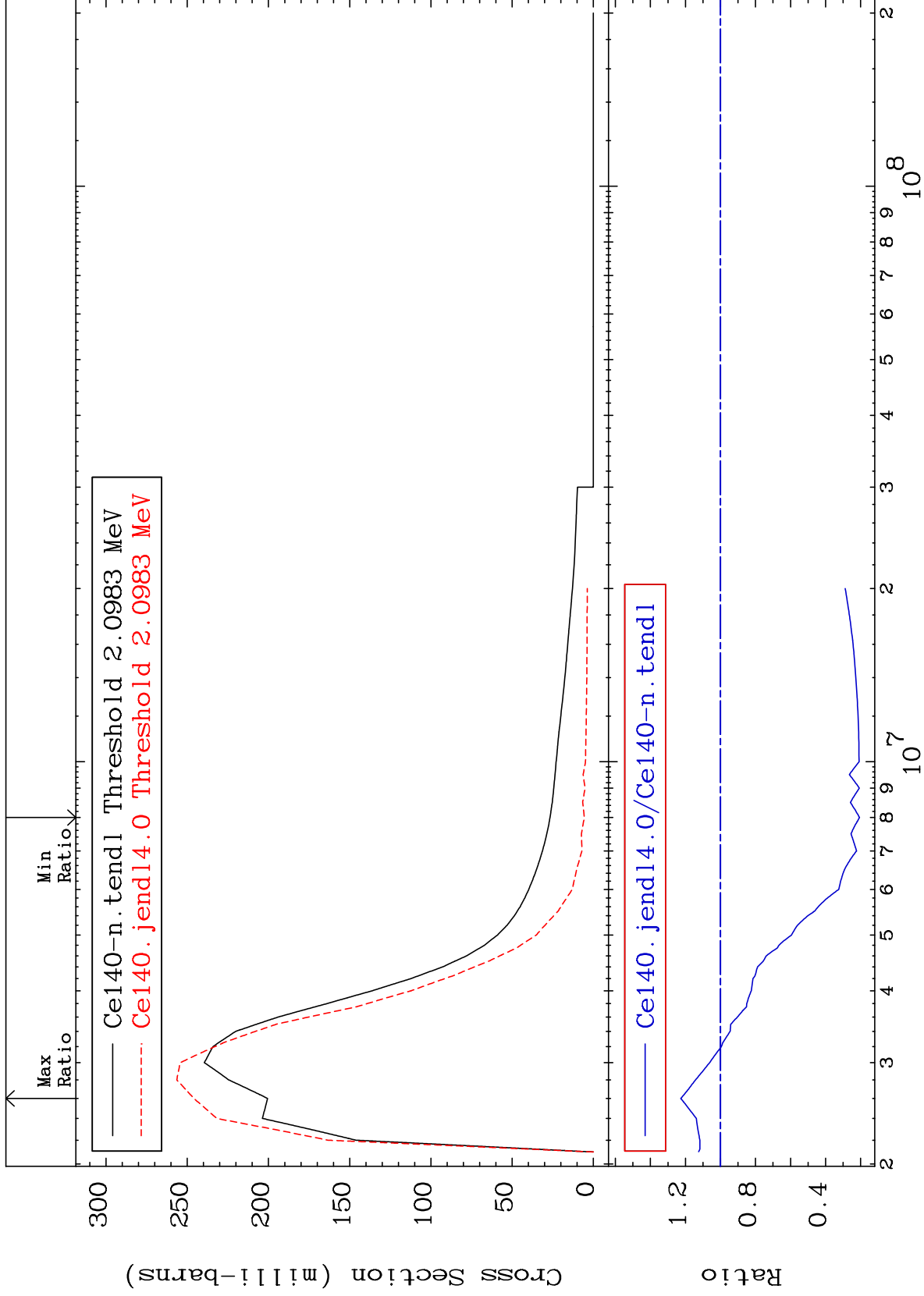
Incident Energy (eV)

58-Ce-140

MAT 5837

2.083 MeV (n,n') Level  
Cross Section

58-Ce-140  
-79.38 To 22.67 %

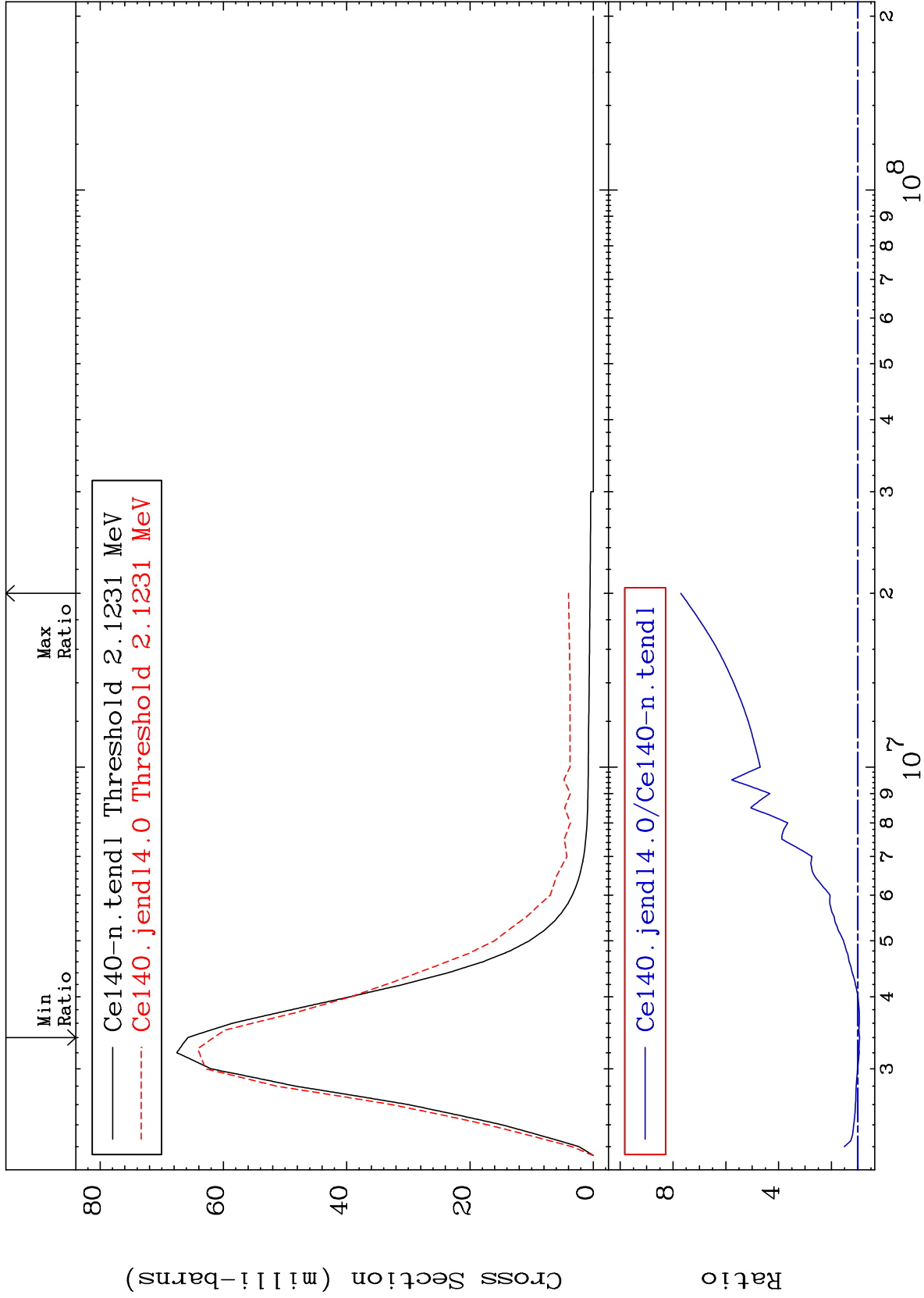


MAT 5837

2.108 MeV (n,n') Level

58-Ce-140

-6.421 To 670.6 %



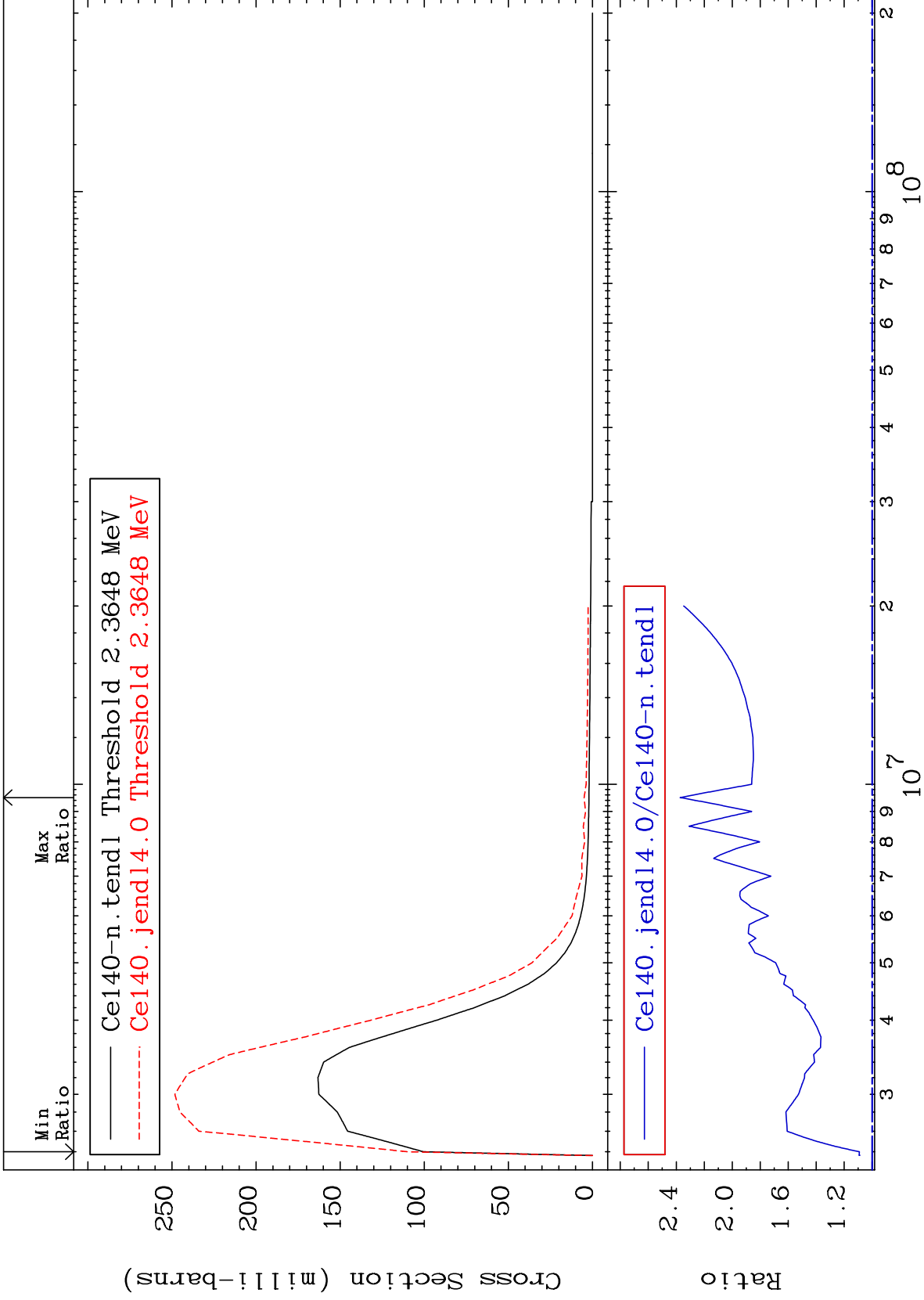
12

58-Ce-140

MAT 5837

2.348 MeV (n,n') Level  
Cross Section

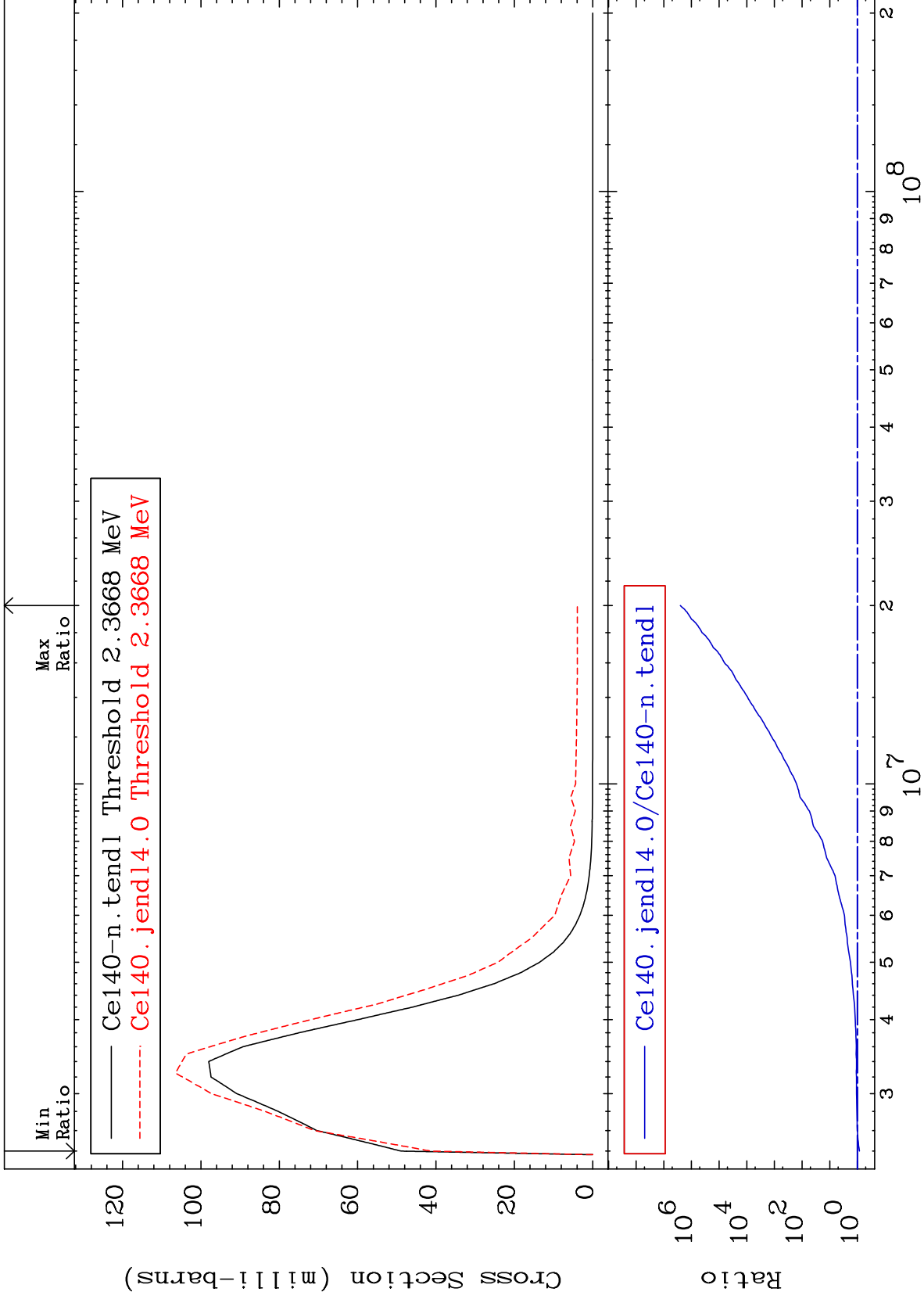
58-Ce-140  
9.156 To 137.2 %



MAT 5837

2.350 MeV (n,n') Level  
Cross Section

58-Ce-140  
-15.52 To 9999. %



14

Incident Energy (eV)

58-Ce-140

MAT 5837

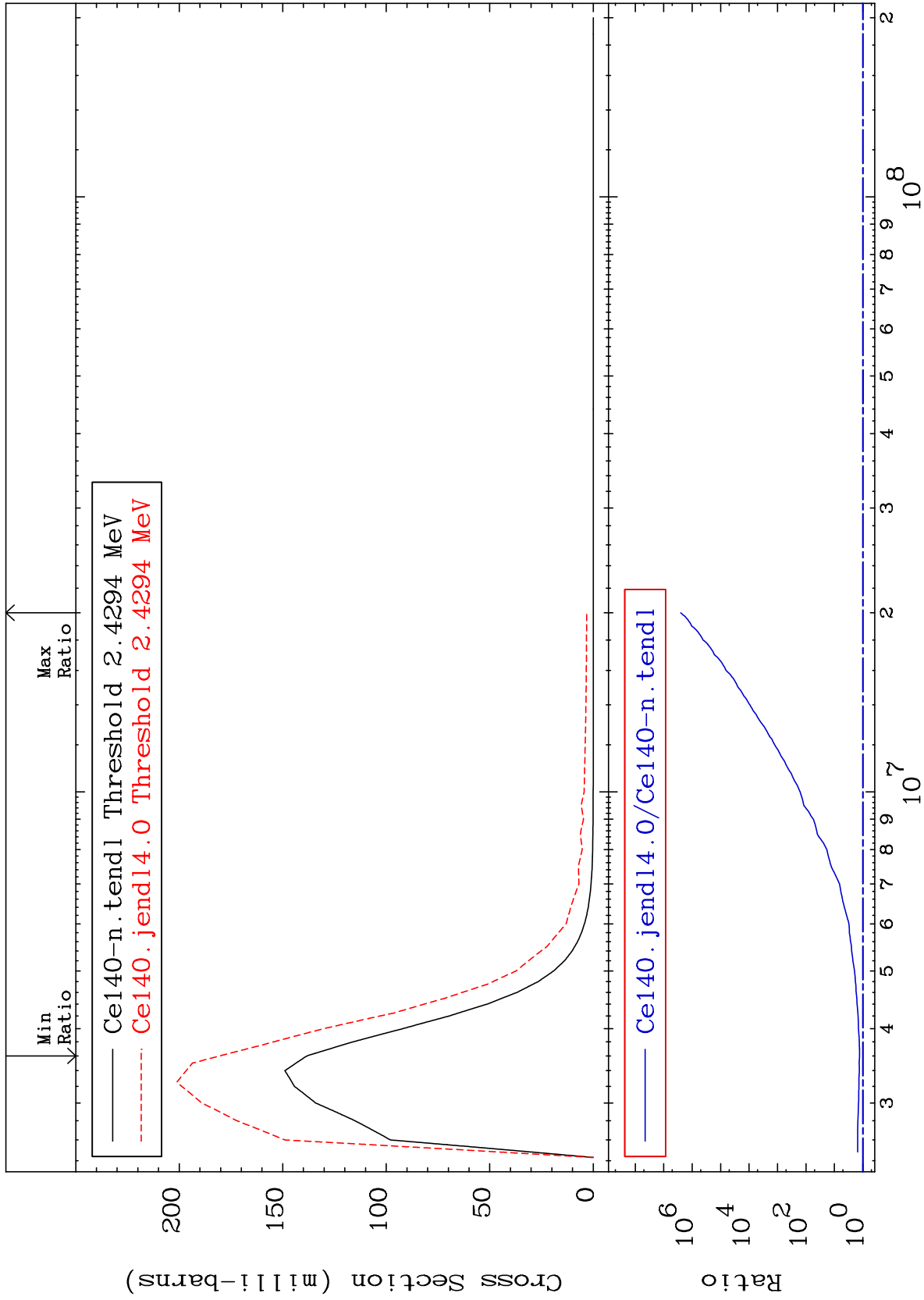
2.412 MeV (n,n') Level

58-Ce-140

Cross Section

30.43

To 9999. %



15

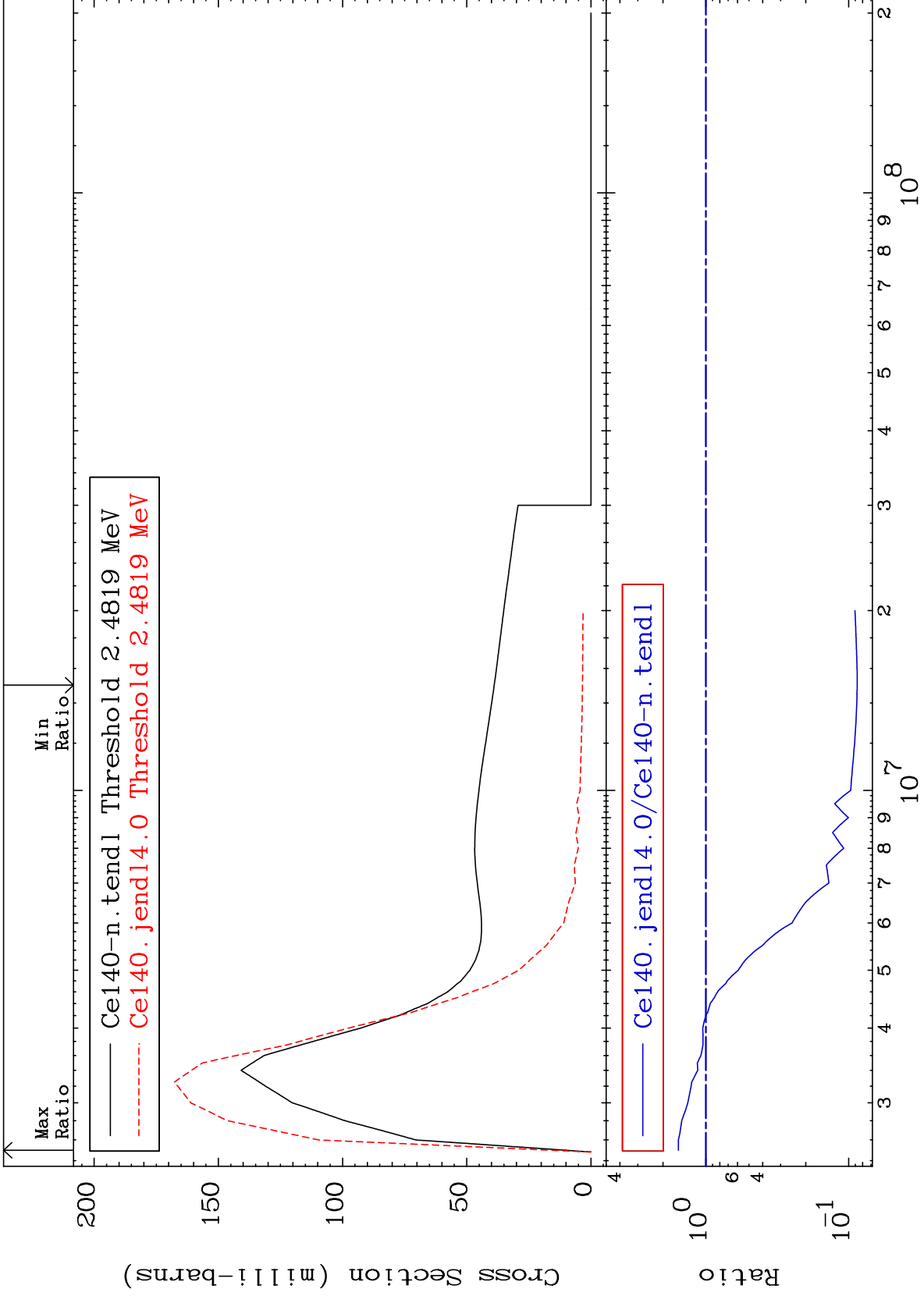
Incident Energy (eV)

58-Ce-140

MAT 5837

2.464 MeV (n,n') Level  
Cross Section

58-Ce-140  
-91.28 To 55.80 %





MAT 5837

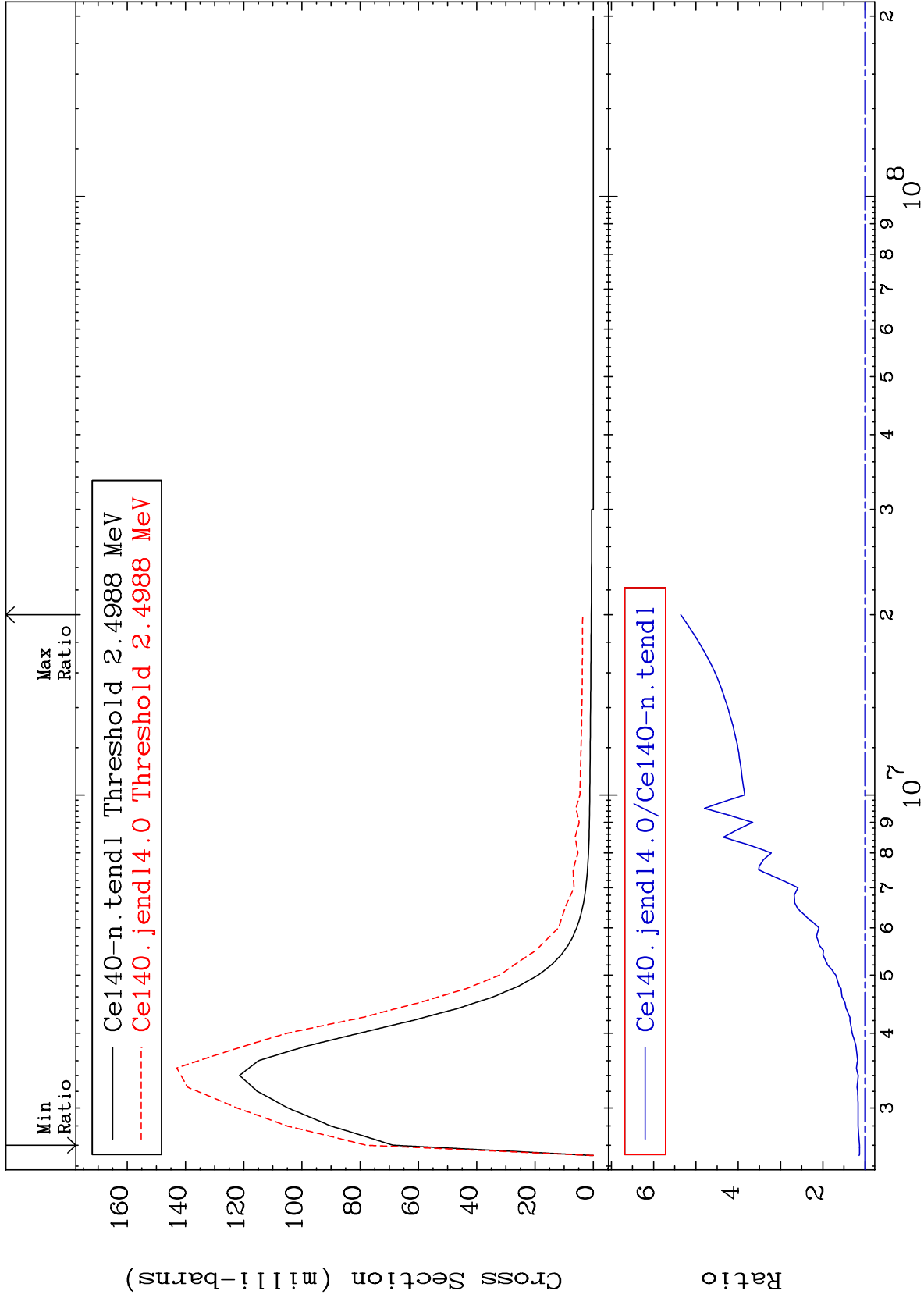
2.481 MeV (n,n') Level

58-Ce-140

Cross Section

13.32

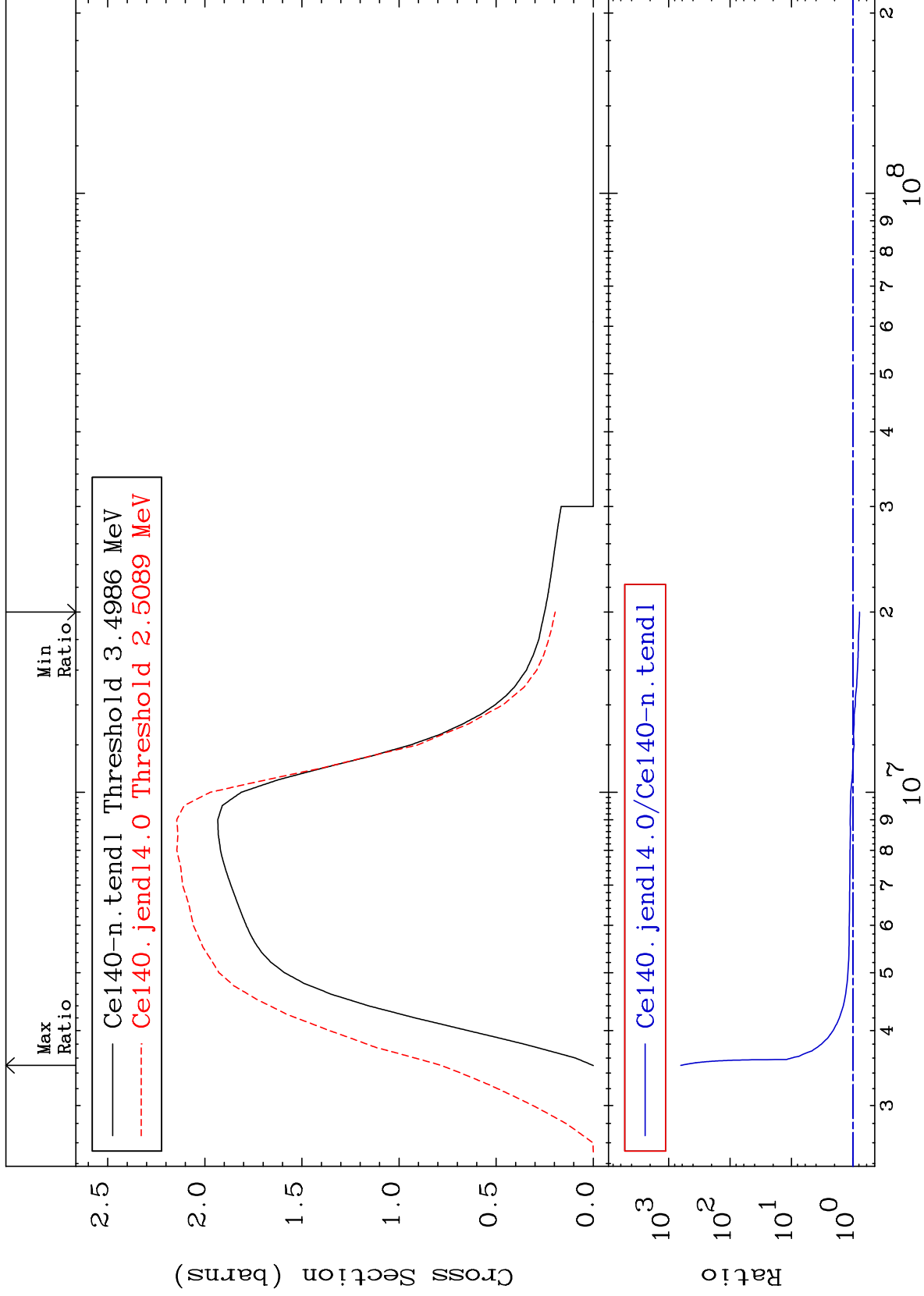
To 435.9 %



17

Incident Energy (eV)

58-Ce-140



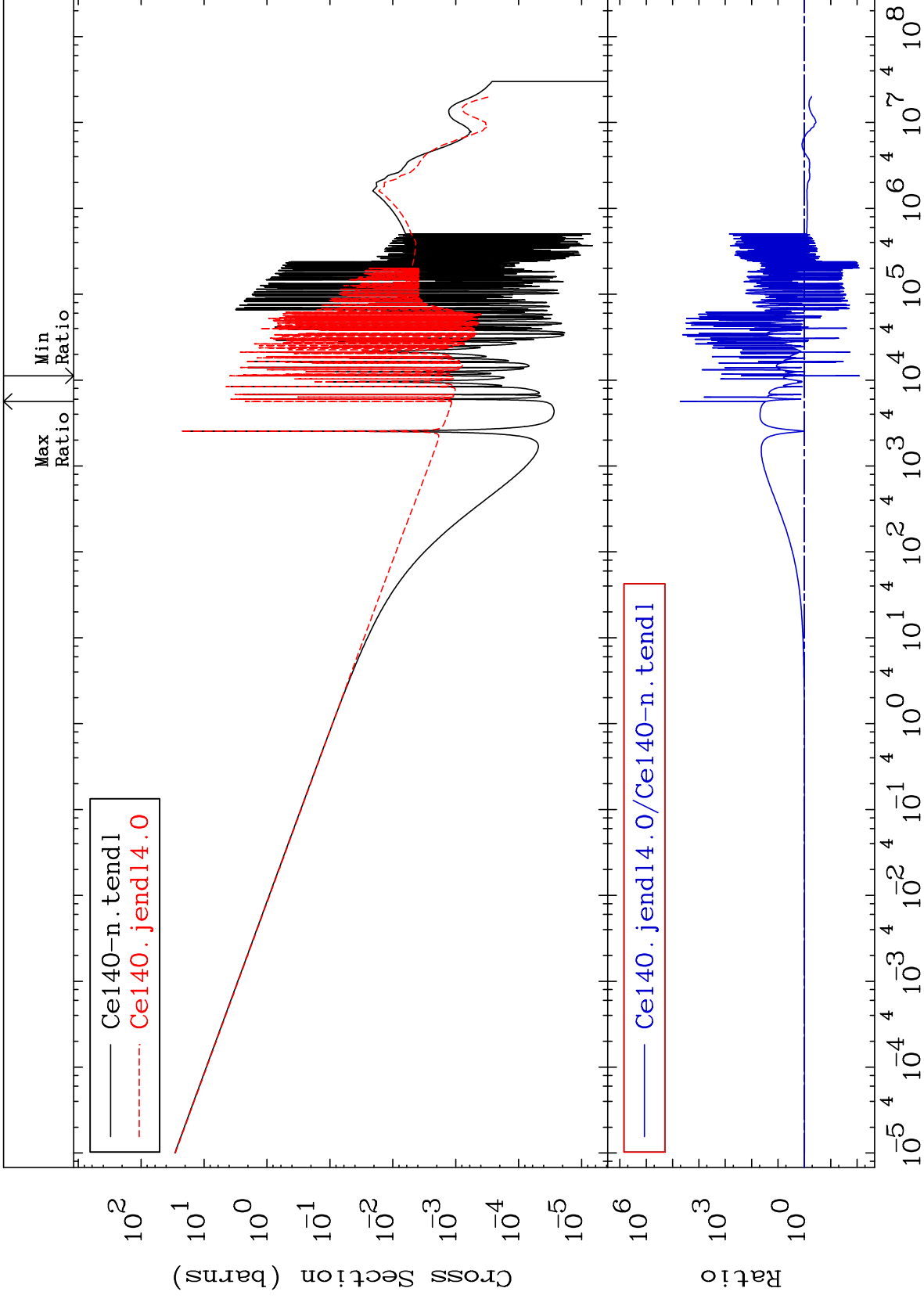
MAT 5837

(n,  $\gamma$ )

58-Ce-140

Cross Section

-99.18 To 9999. %



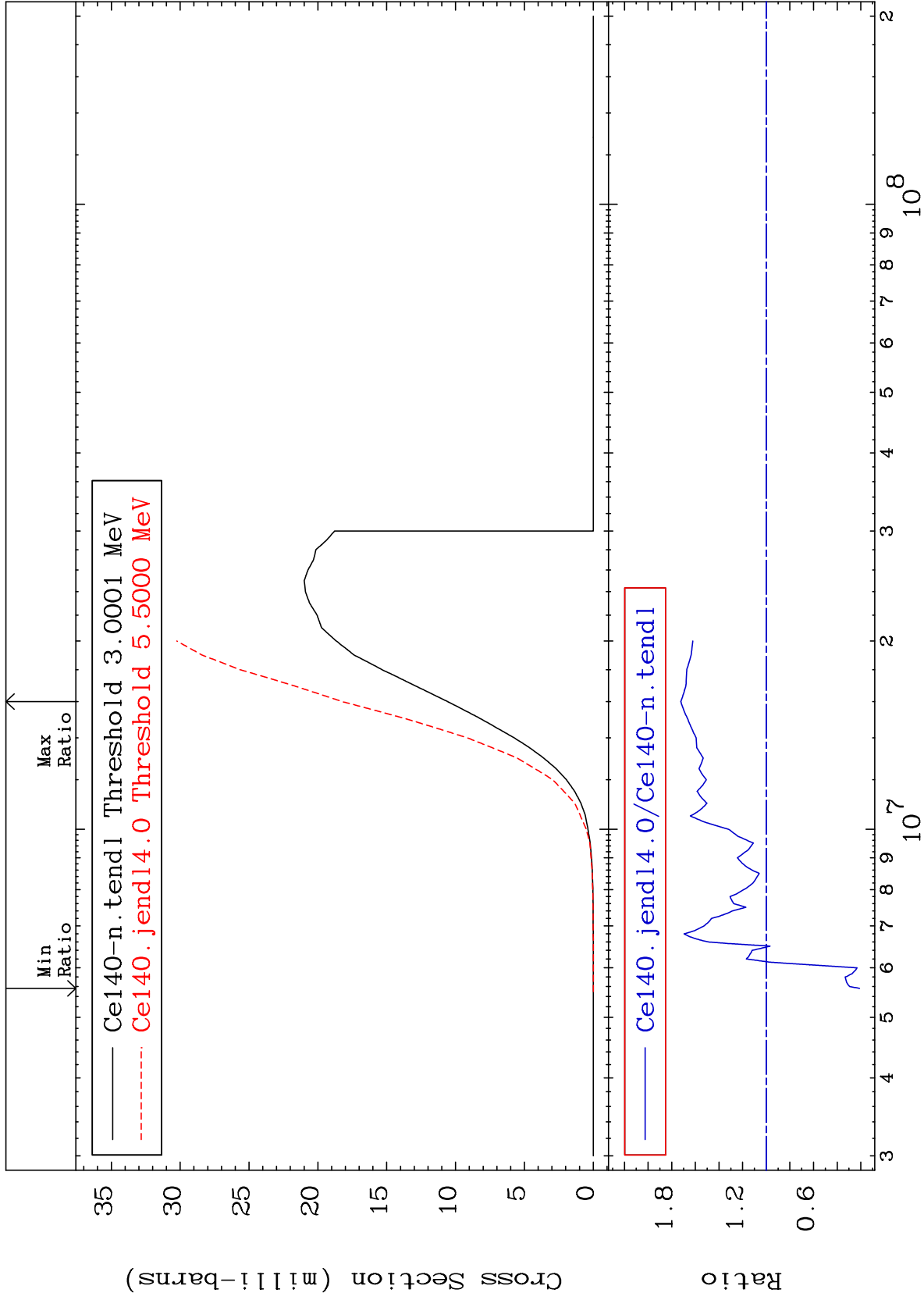
MAT 5837

(n,p)

58-Ce-140

Cross Section

-78.94 To 72.34 %



20

Incident Energy (eV)

58-Ce-140

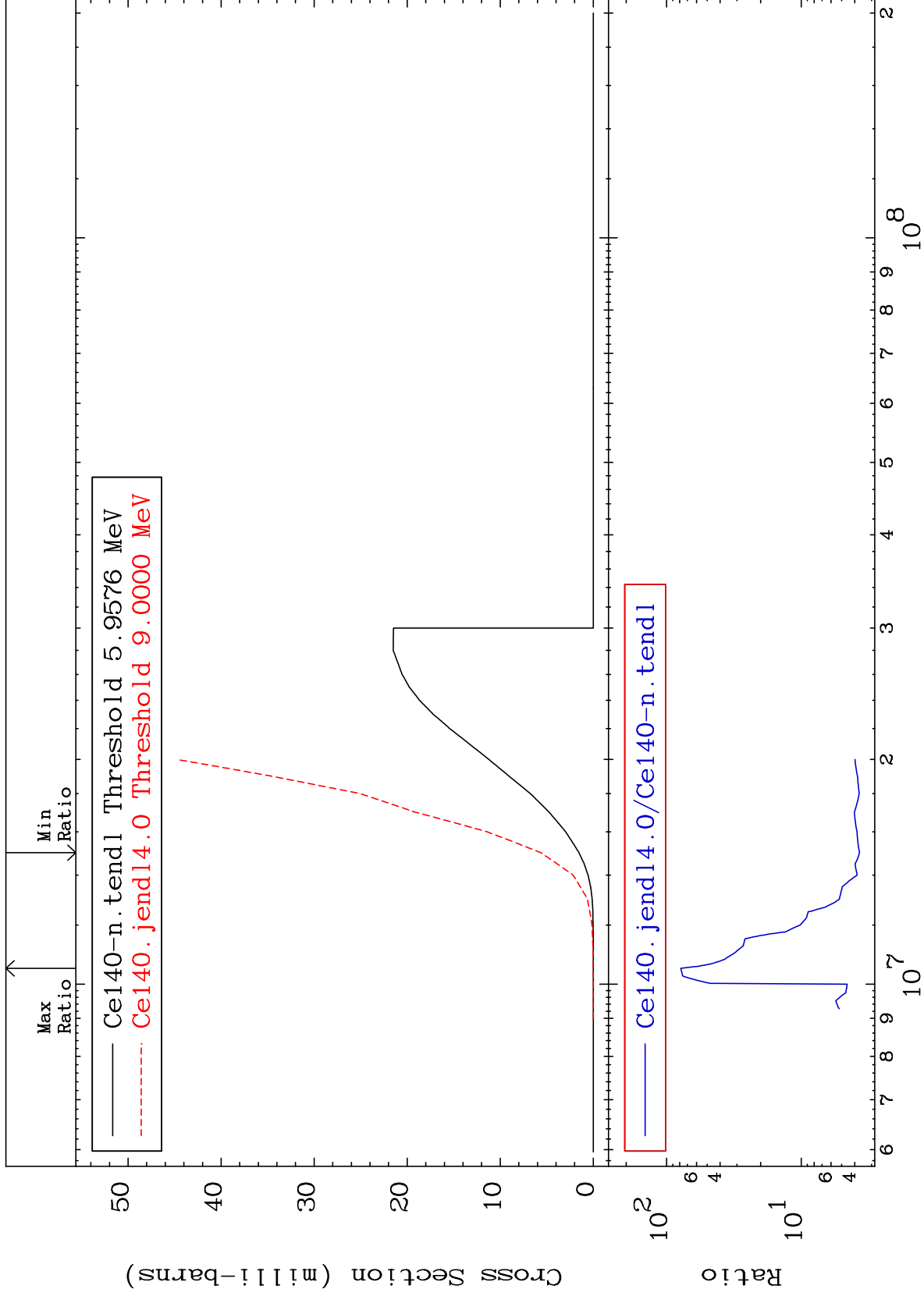
MAT 5837

(n, d)

58-Ce-140

Cross Section

268.4 To 7749. %



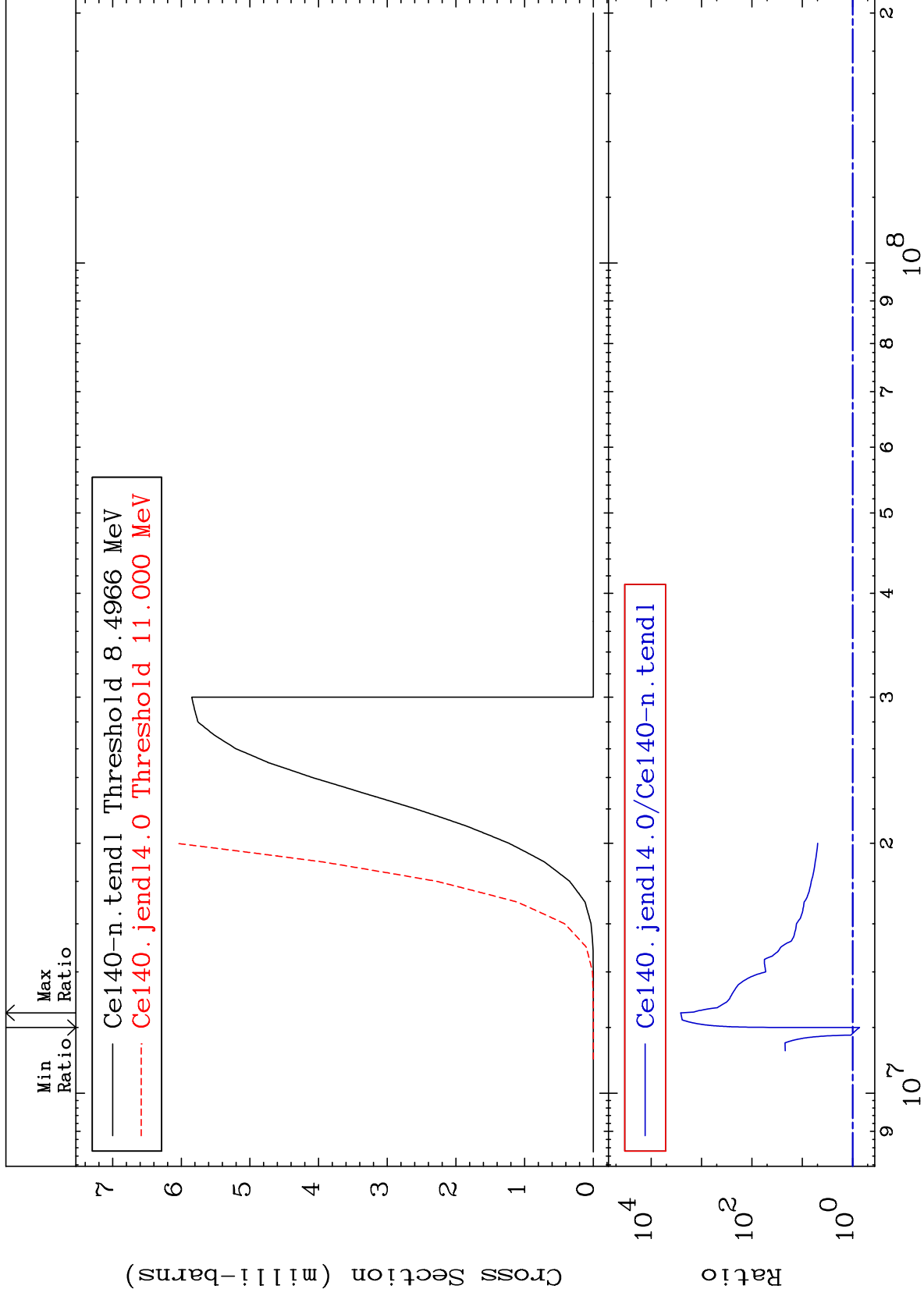
21

58-Ce-140

MAT 5837

(n, t)  
Cross Section

58-Ce-140  
-27.26 To 9999. %



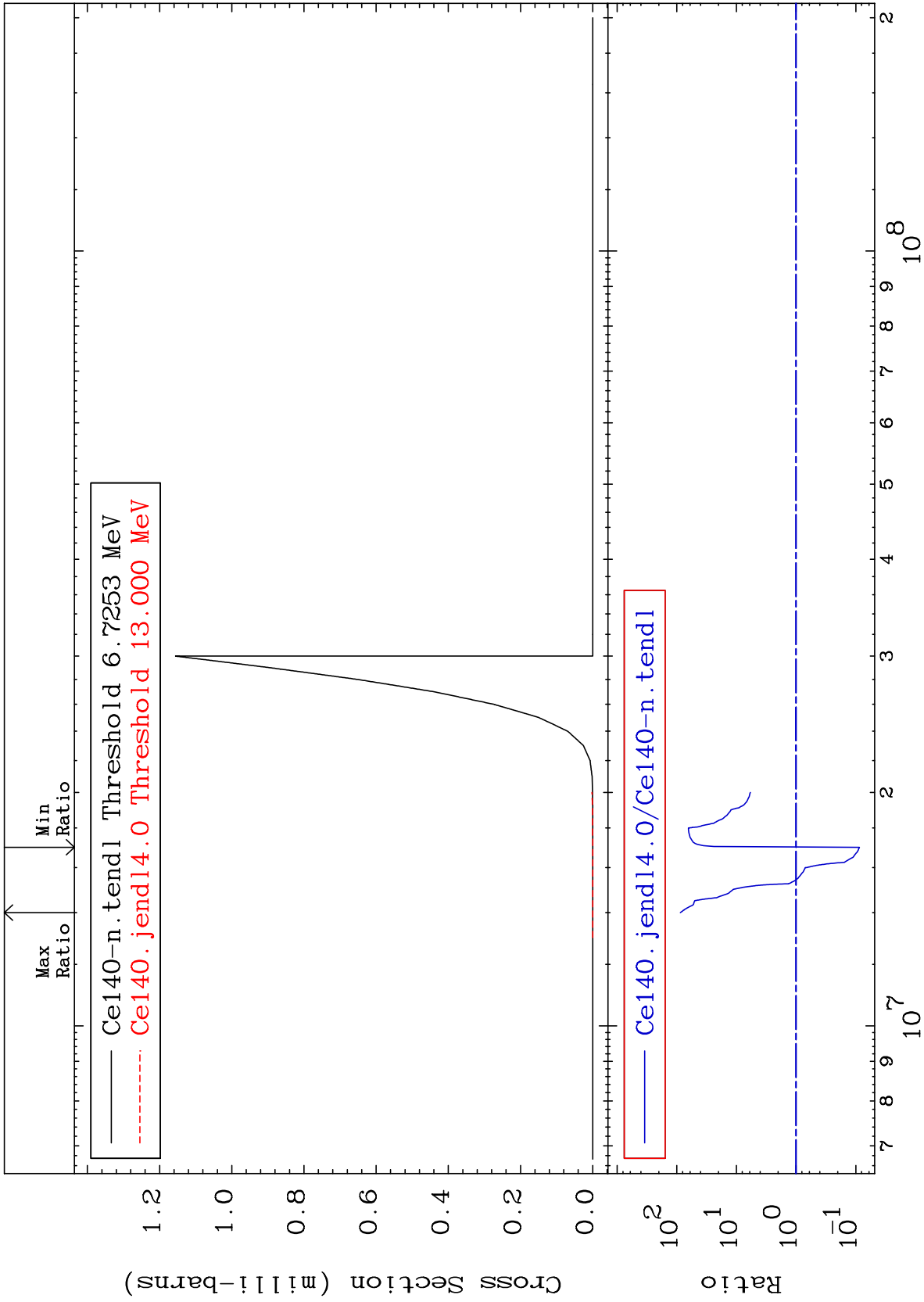
22

Incident Energy (eV)

58-Ce-140

Cross Section

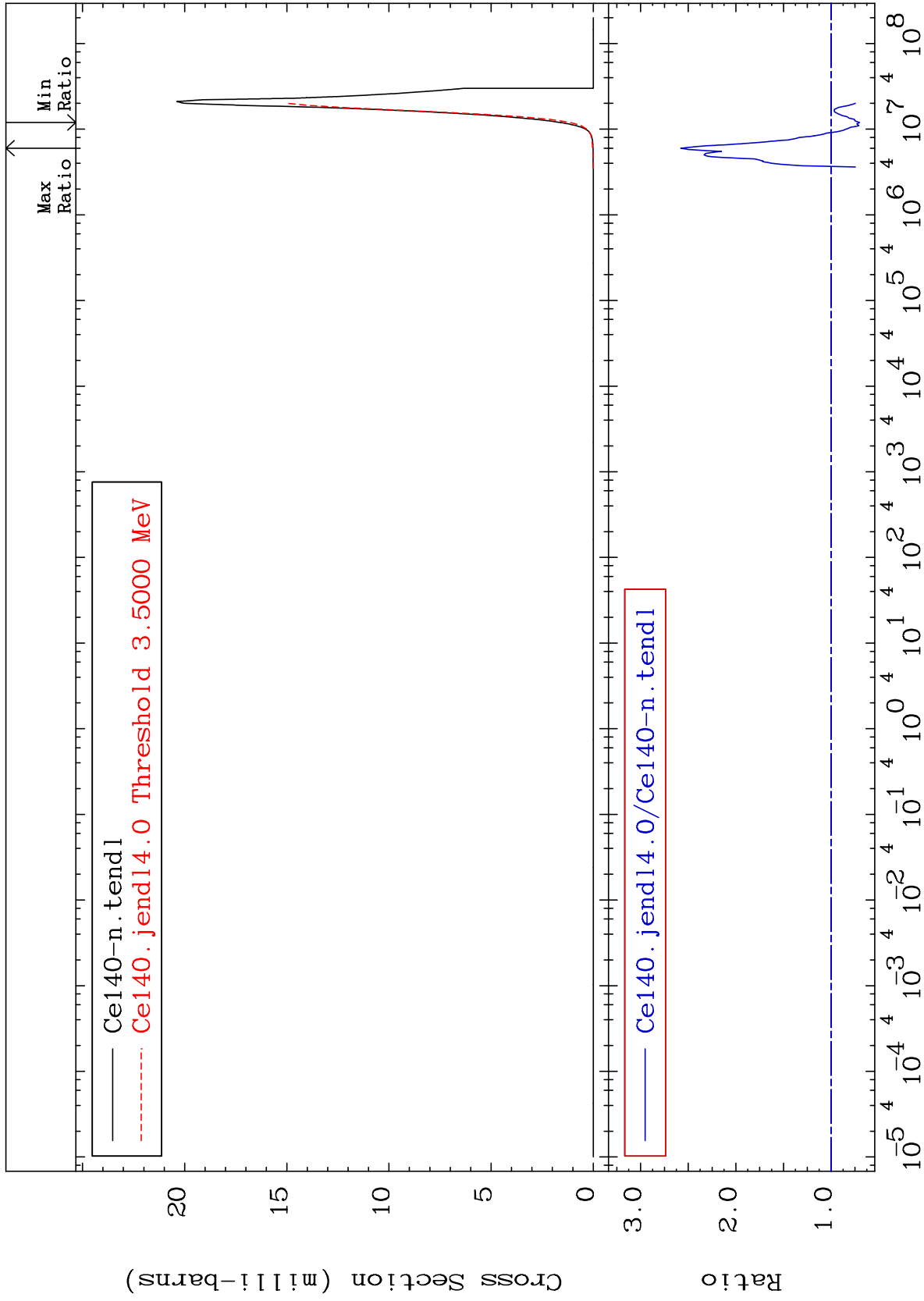
-91.31 To 8616. %



MAT 5837

(n,  $\alpha$ )  
Cross Section

58-Ce-140  
-29.84 To 157.9 %

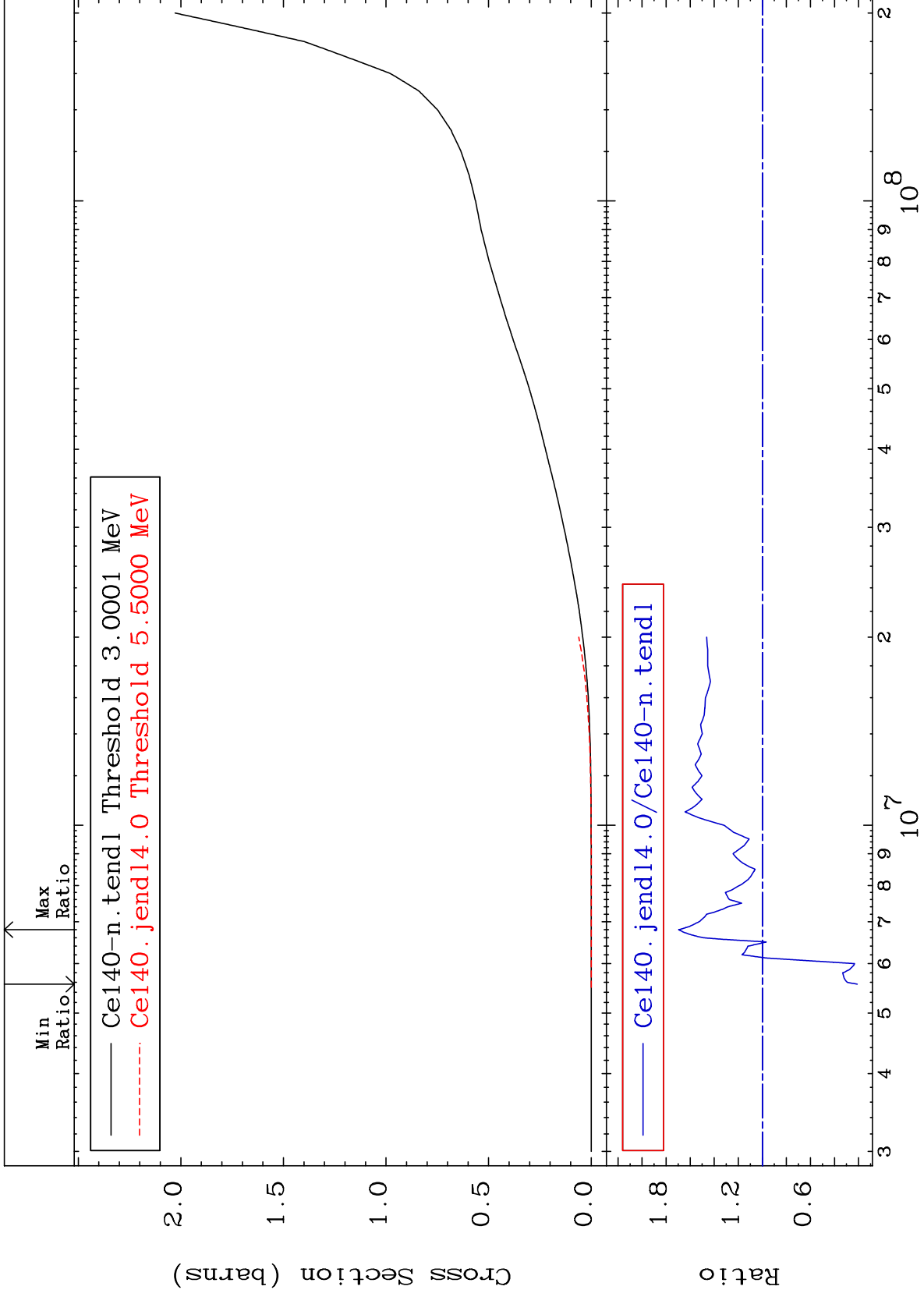


24

Incident Energy (eV)

58-Ce-140

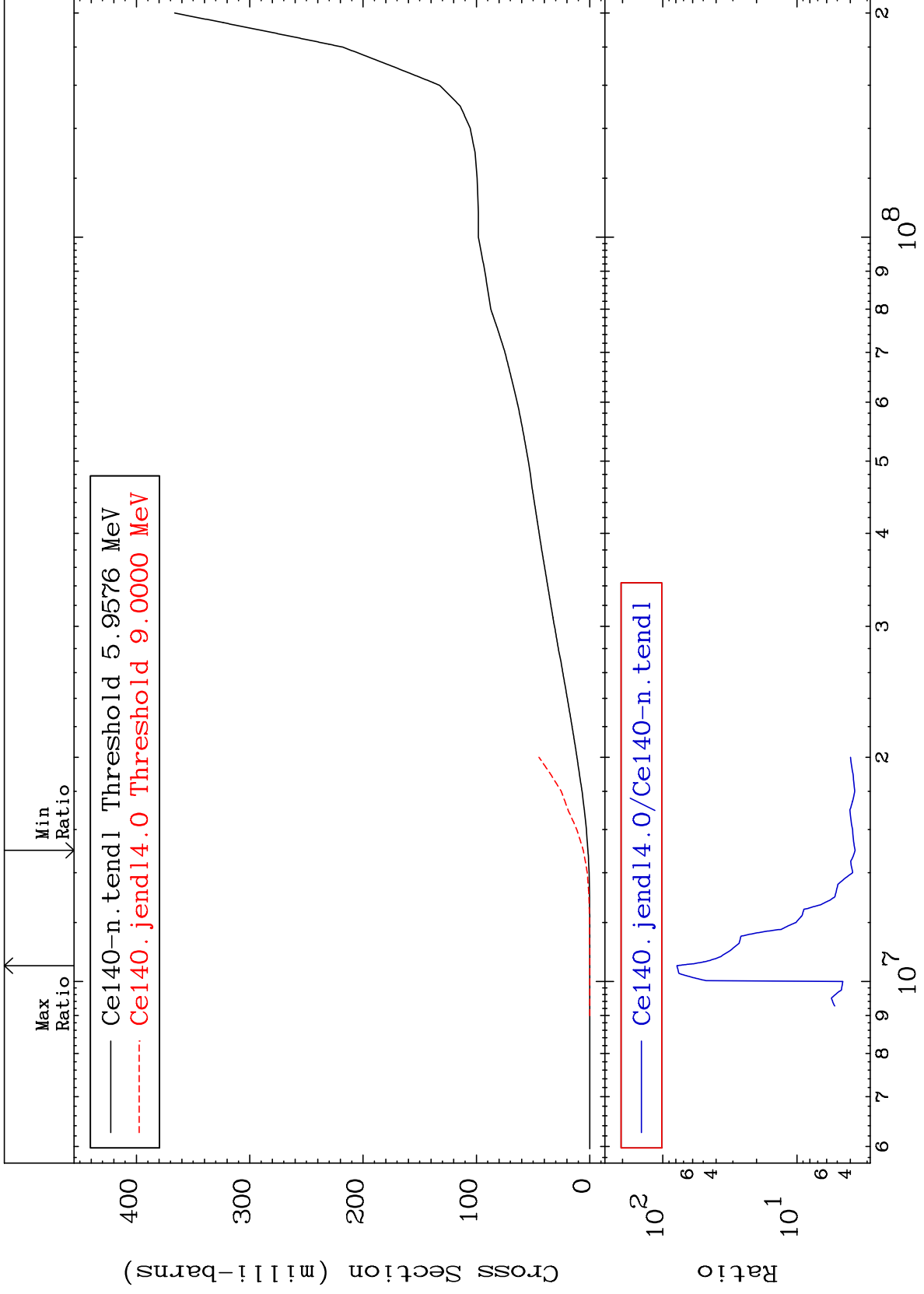




MAT 5837

Deuterium Production  
Cross Section

58-Ce-140  
268.4 To 7749. %



26

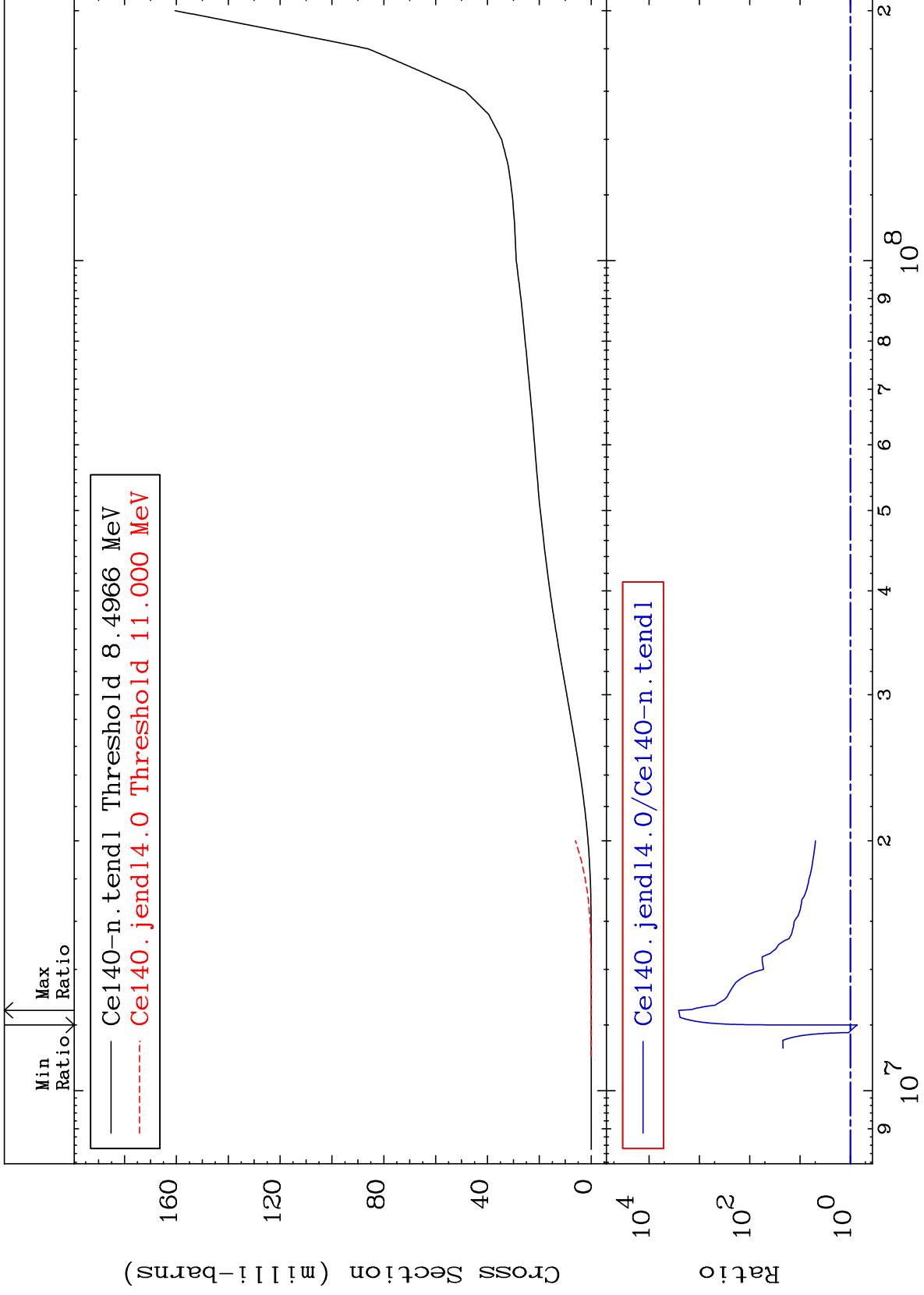
Incident Energy (eV)

58-Ce-140

MAT 5837

Tritium Production  
Cross Section

58-Ce-140  
-27.26 To 9999. %



27

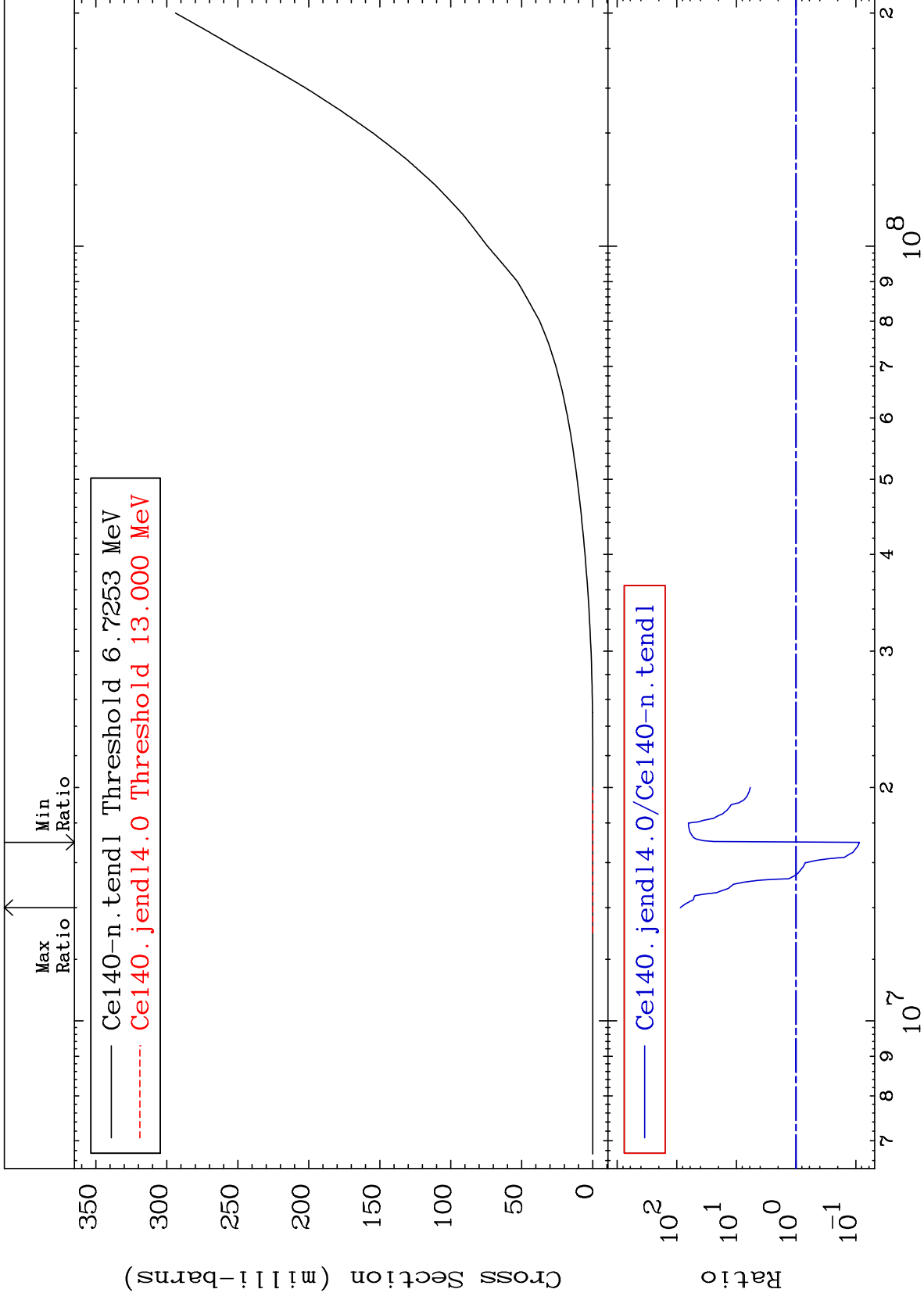
Incident Energy (eV)

58-Ce-140

MAT 5837

He-3 Production  
Cross Section

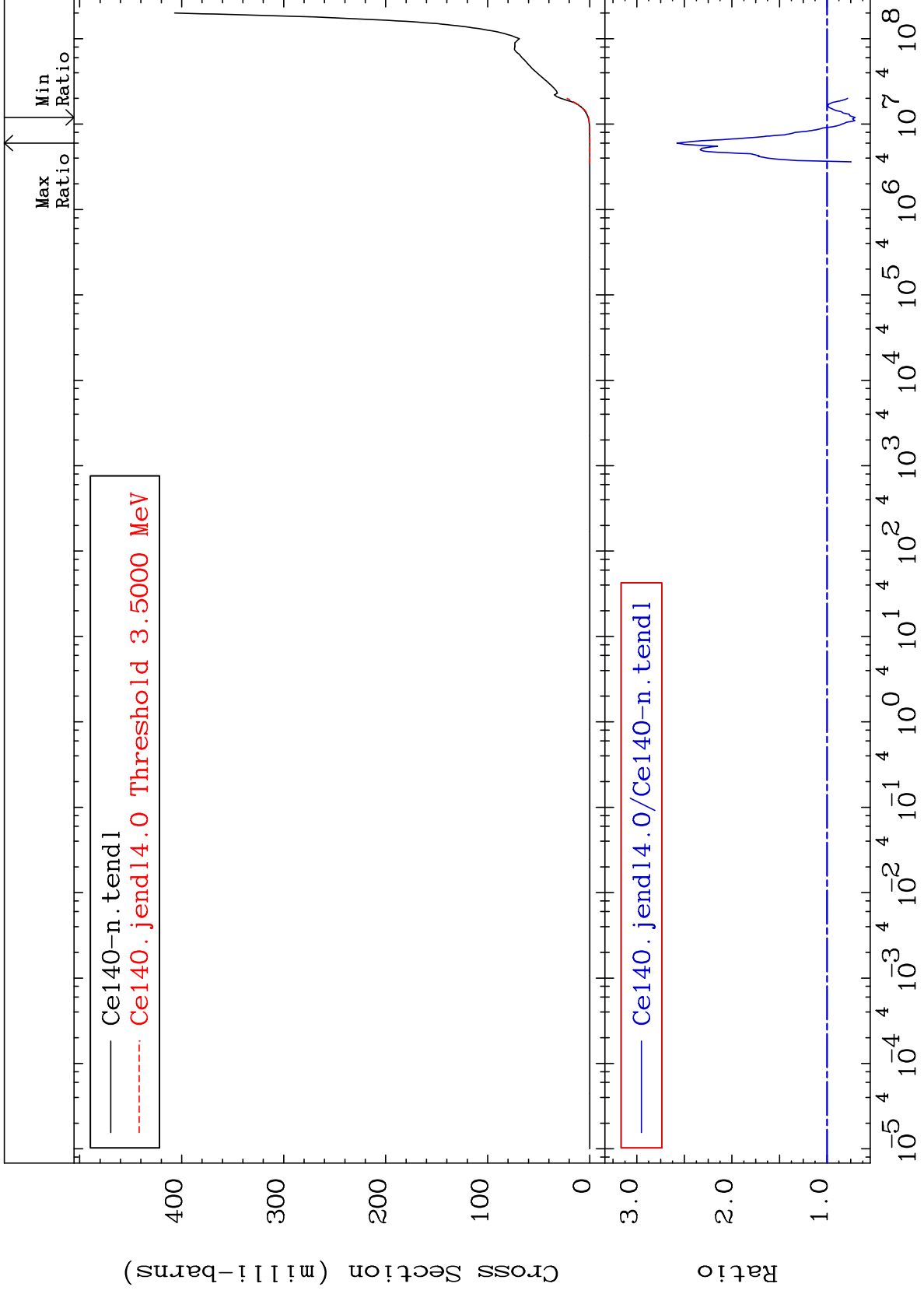
58-Ce-140  
-91.31 To 8616. %

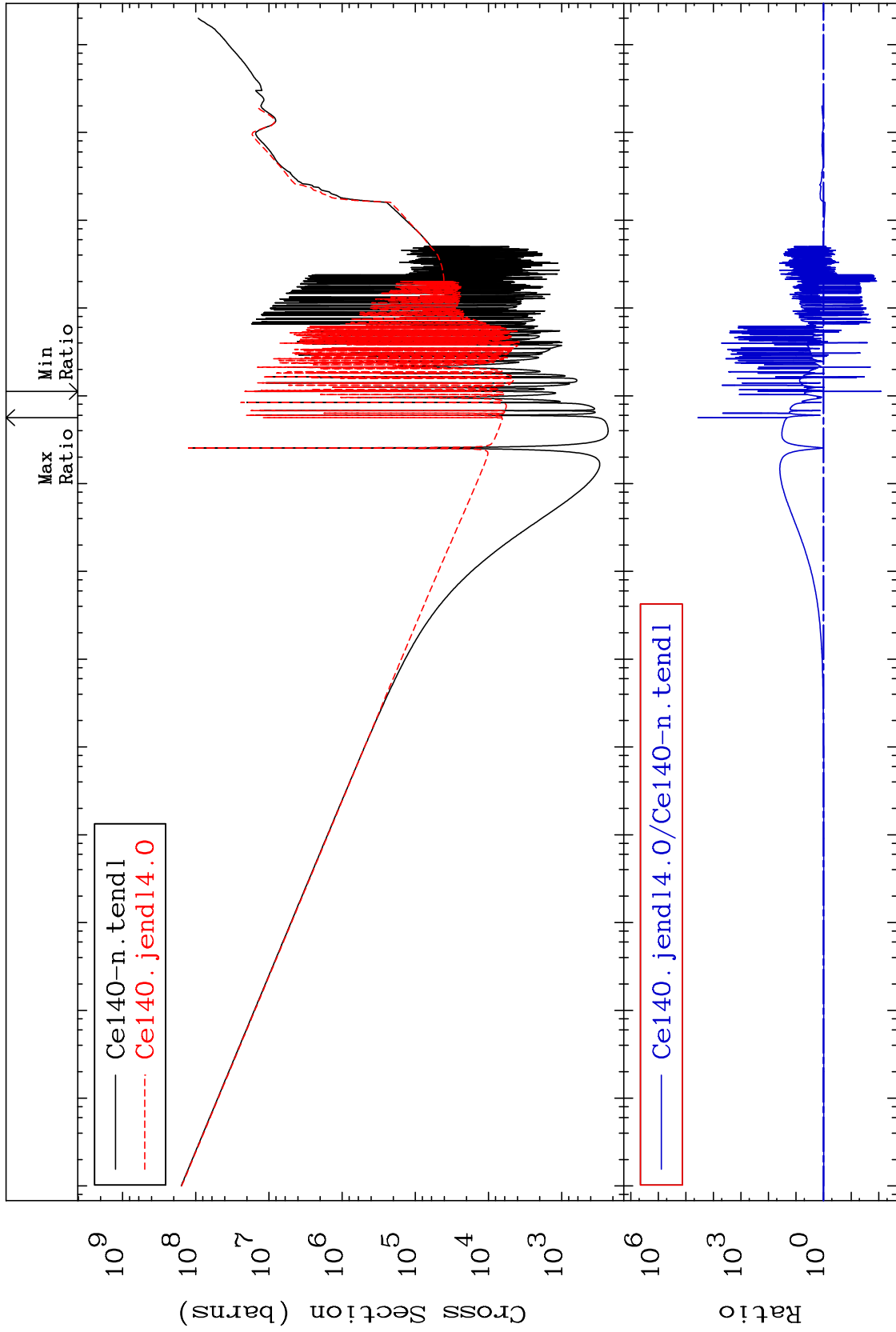


MAT 5837

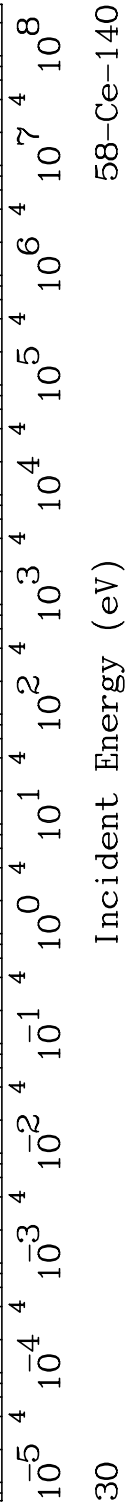
He-4 Production  
Cross Section

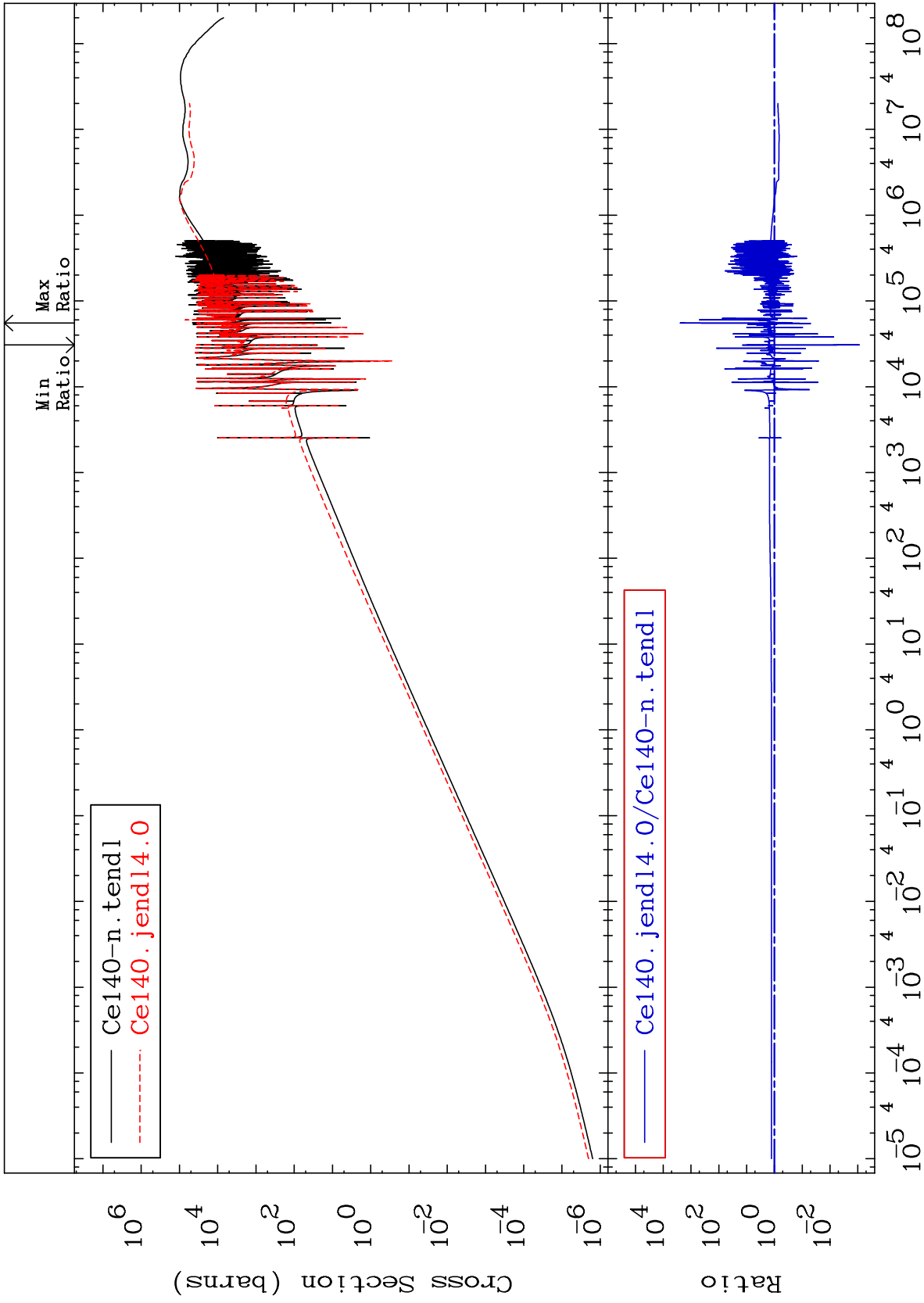
58-Ce-140  
-29.51 To 157.9 %

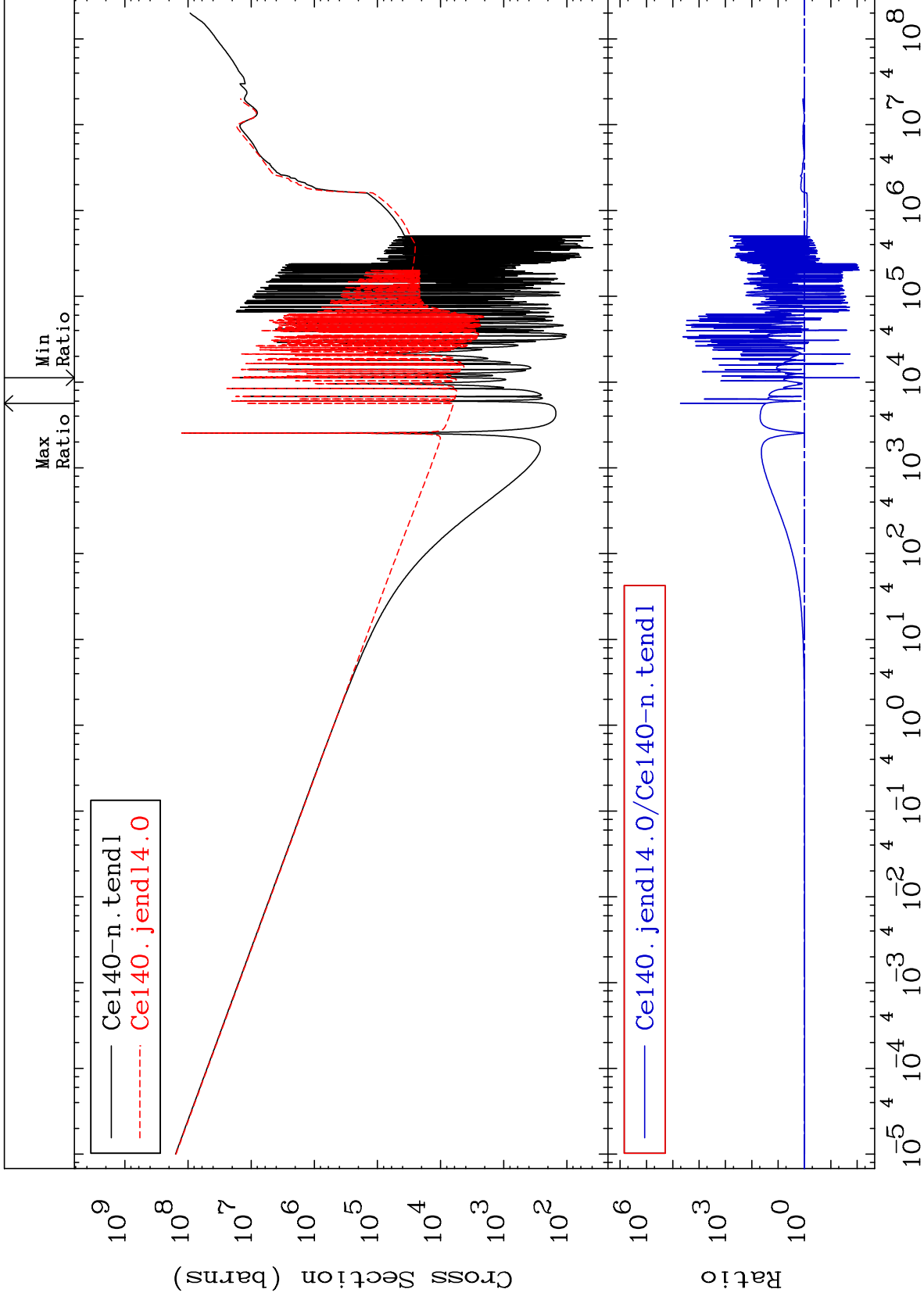




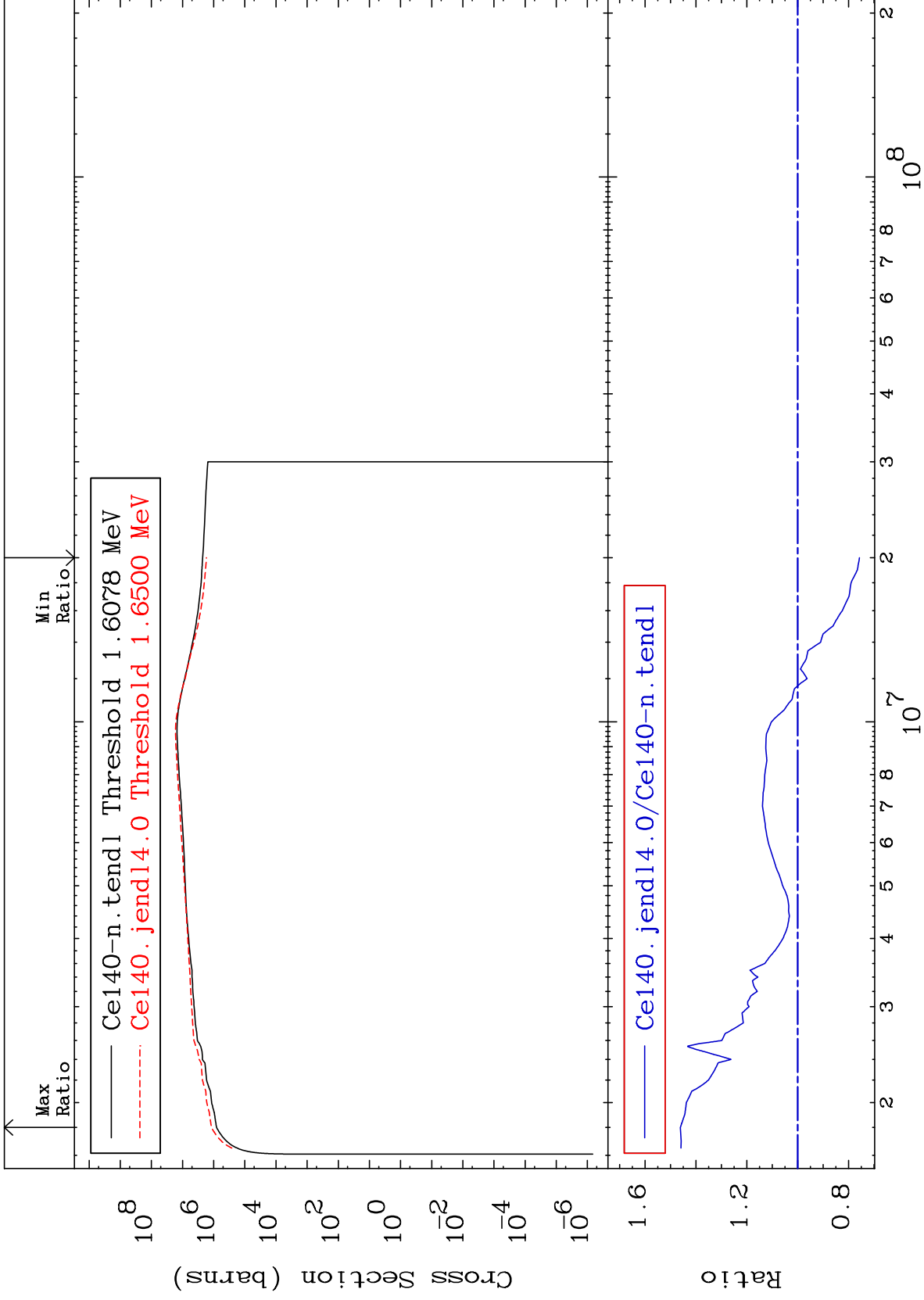
Ce140.jendl4.0/Ce140-n.tendl







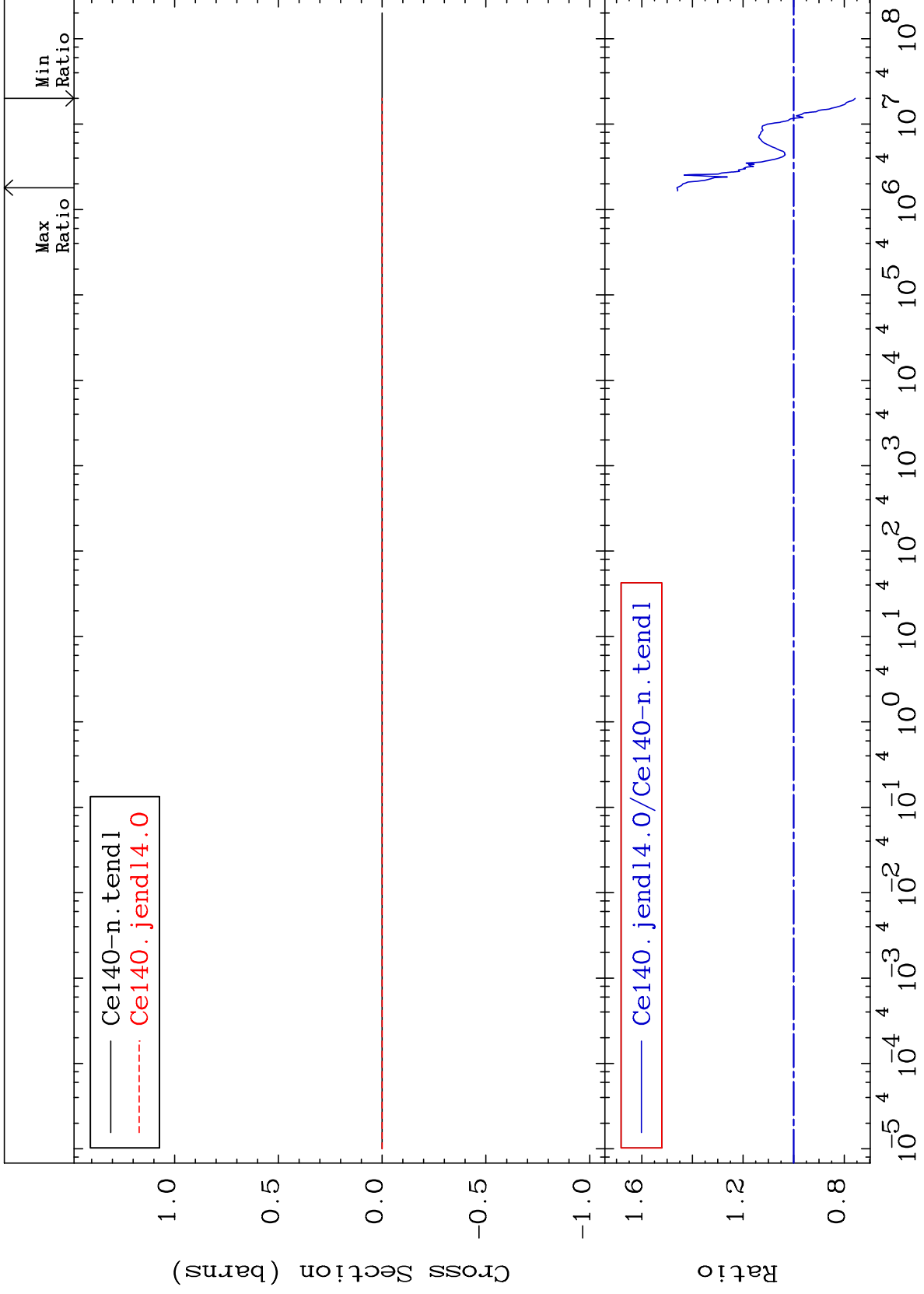




MAT 5837

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

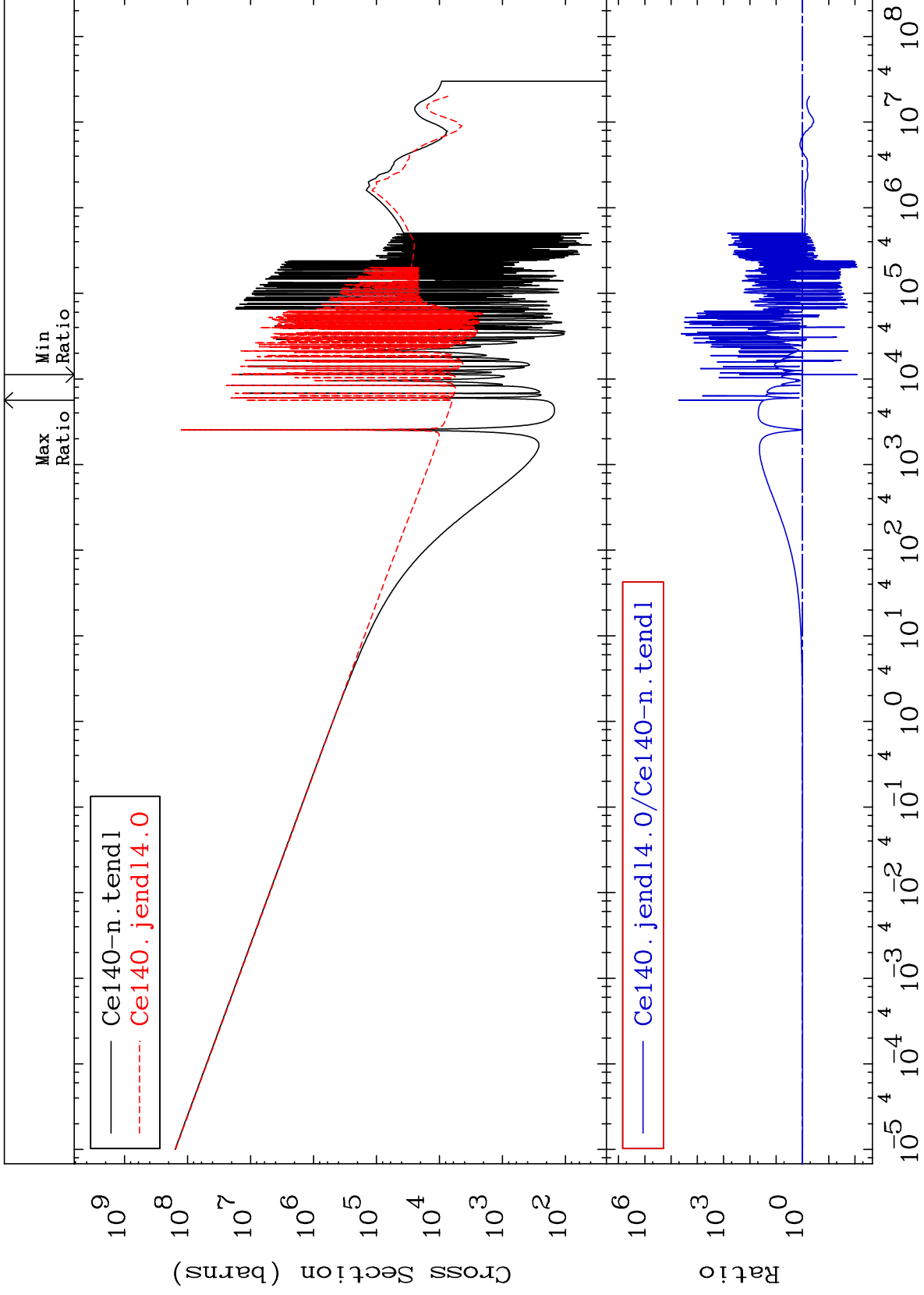
58-Ce-140  
-24.26 To 46.14 %



MAT 5837

Kerma capture (mt102)  
Cross Section

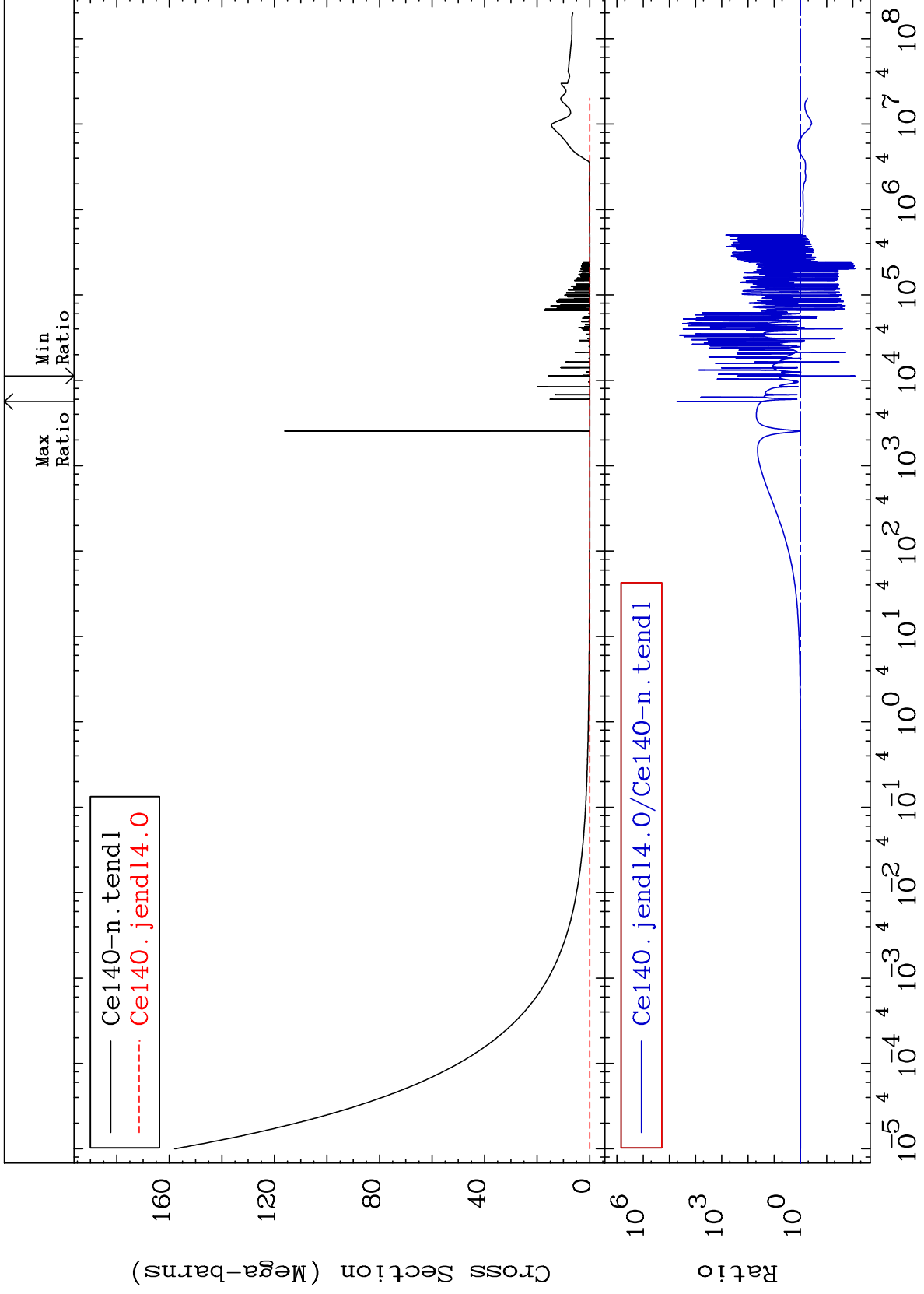
58-Ce-140  
-99.18 To 9999. %

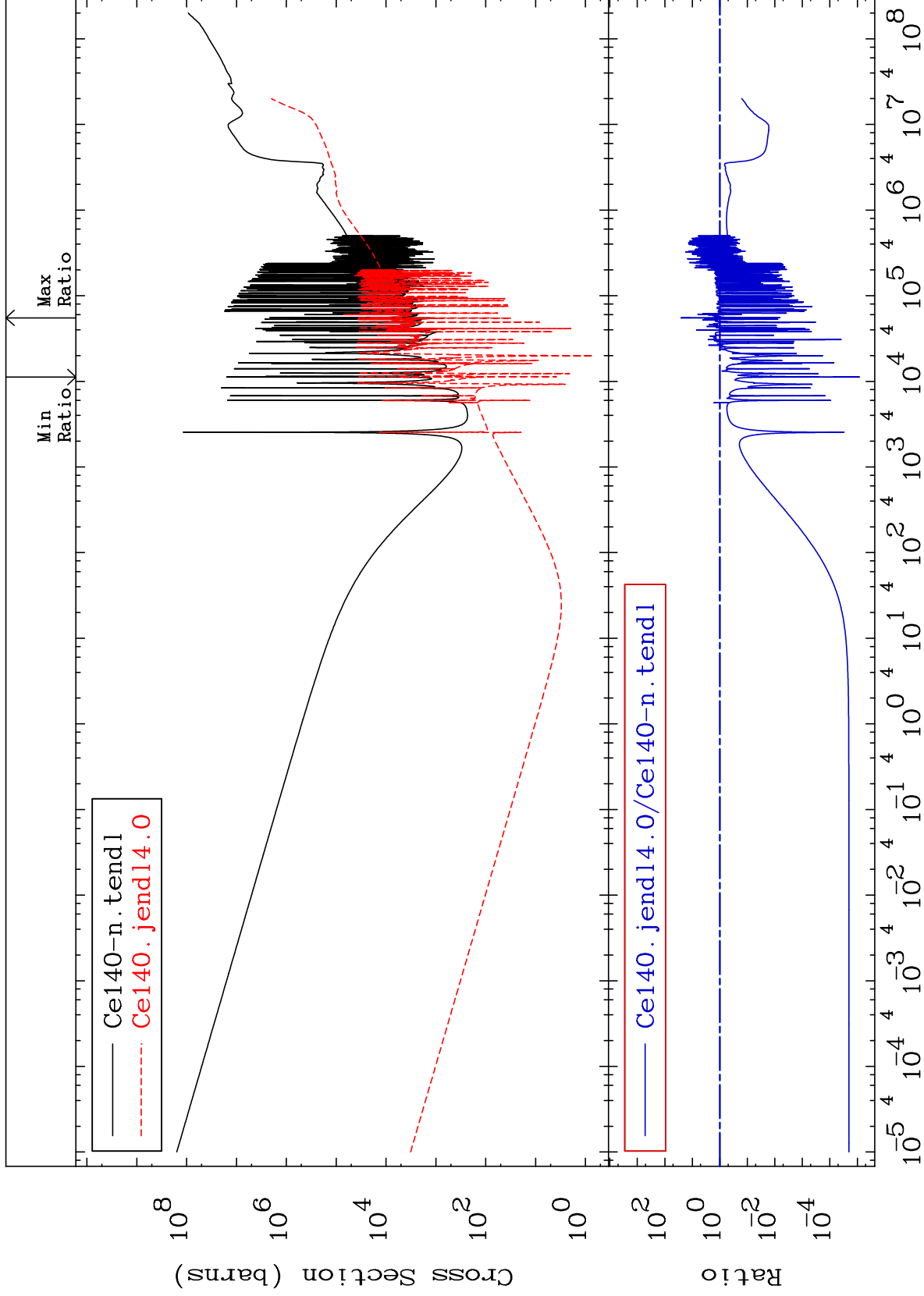


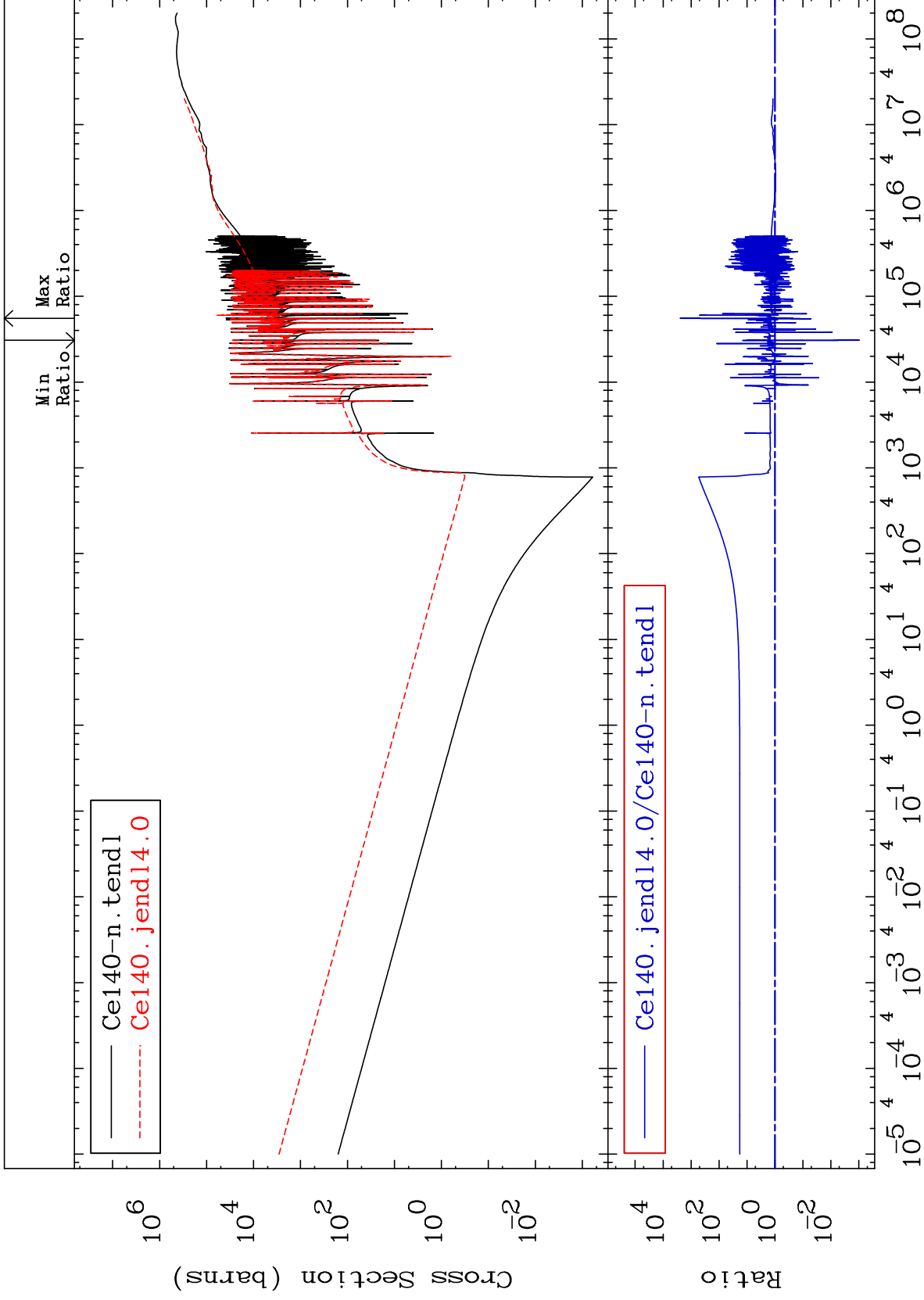
35

Incident Energy (eV)

58-Ce-140



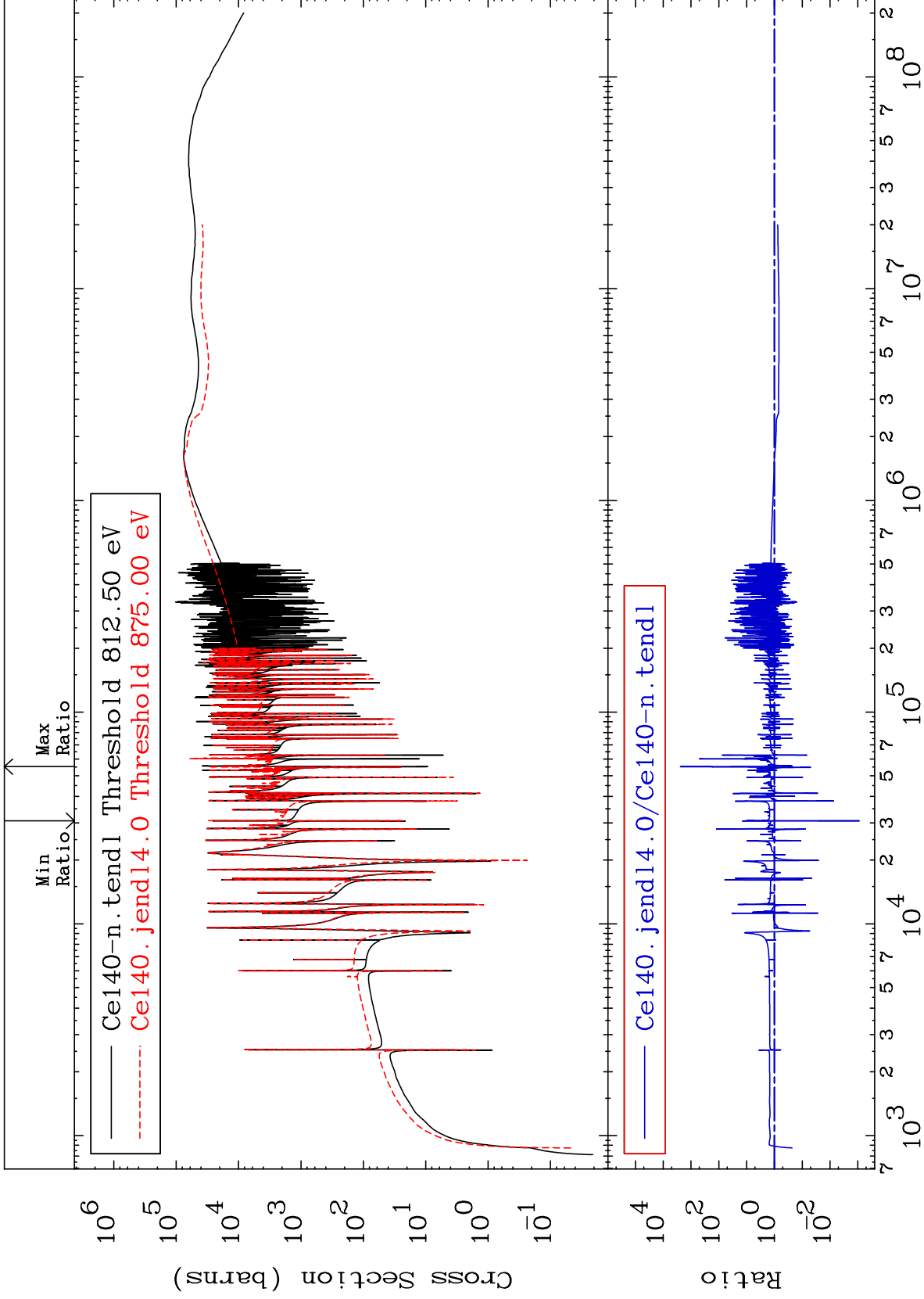




MAT 5837

Dpa elastic (mt2)  
Cross Section

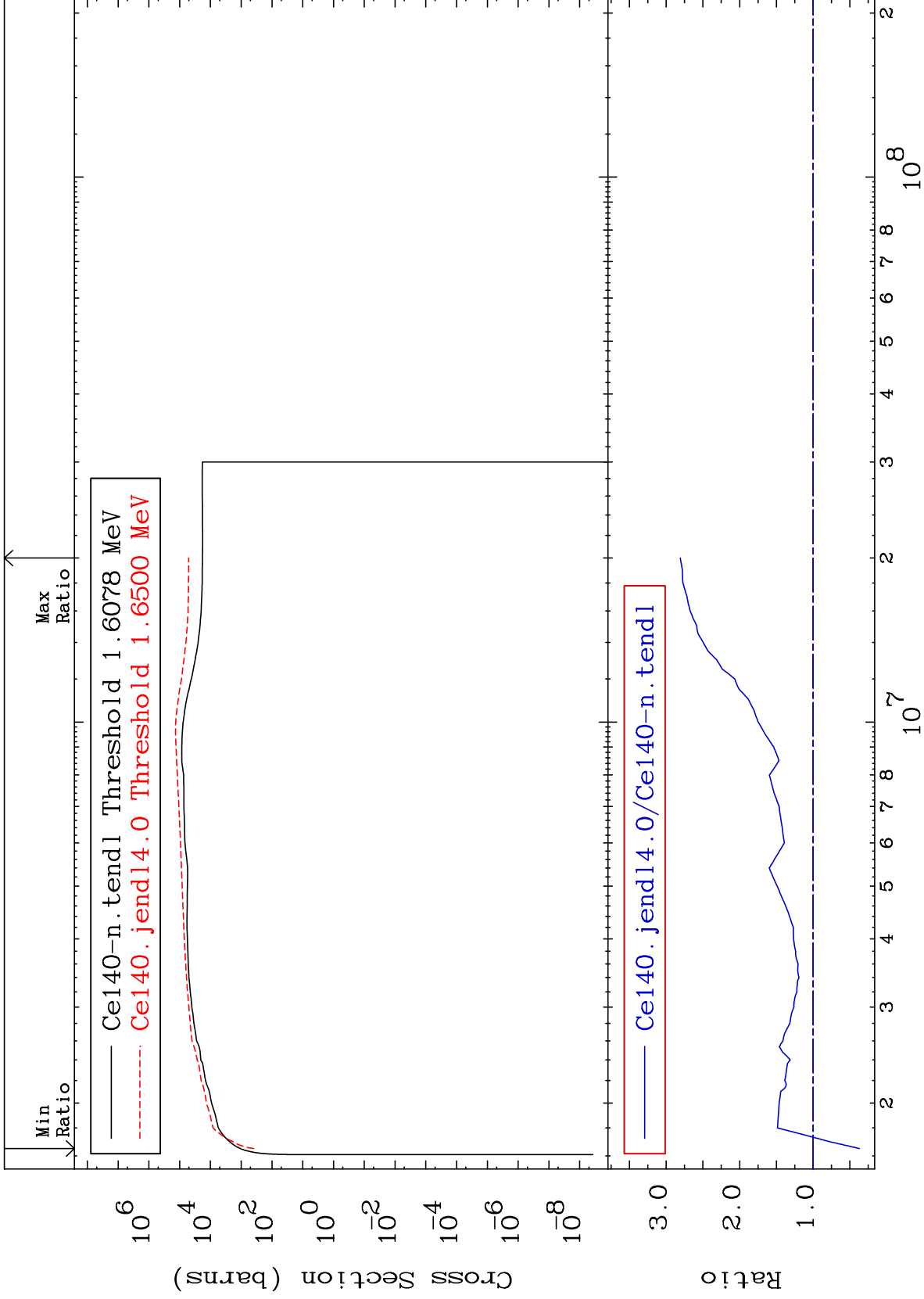
58-Ce-140  
-99.91 To 9999. %



39

Incident Energy (eV)

58-Ce-140





MAT 5837

Dpa disappearance (mt102 -120)  
Cross Section

58-Ce-140  
-75.29 To 9999. %

