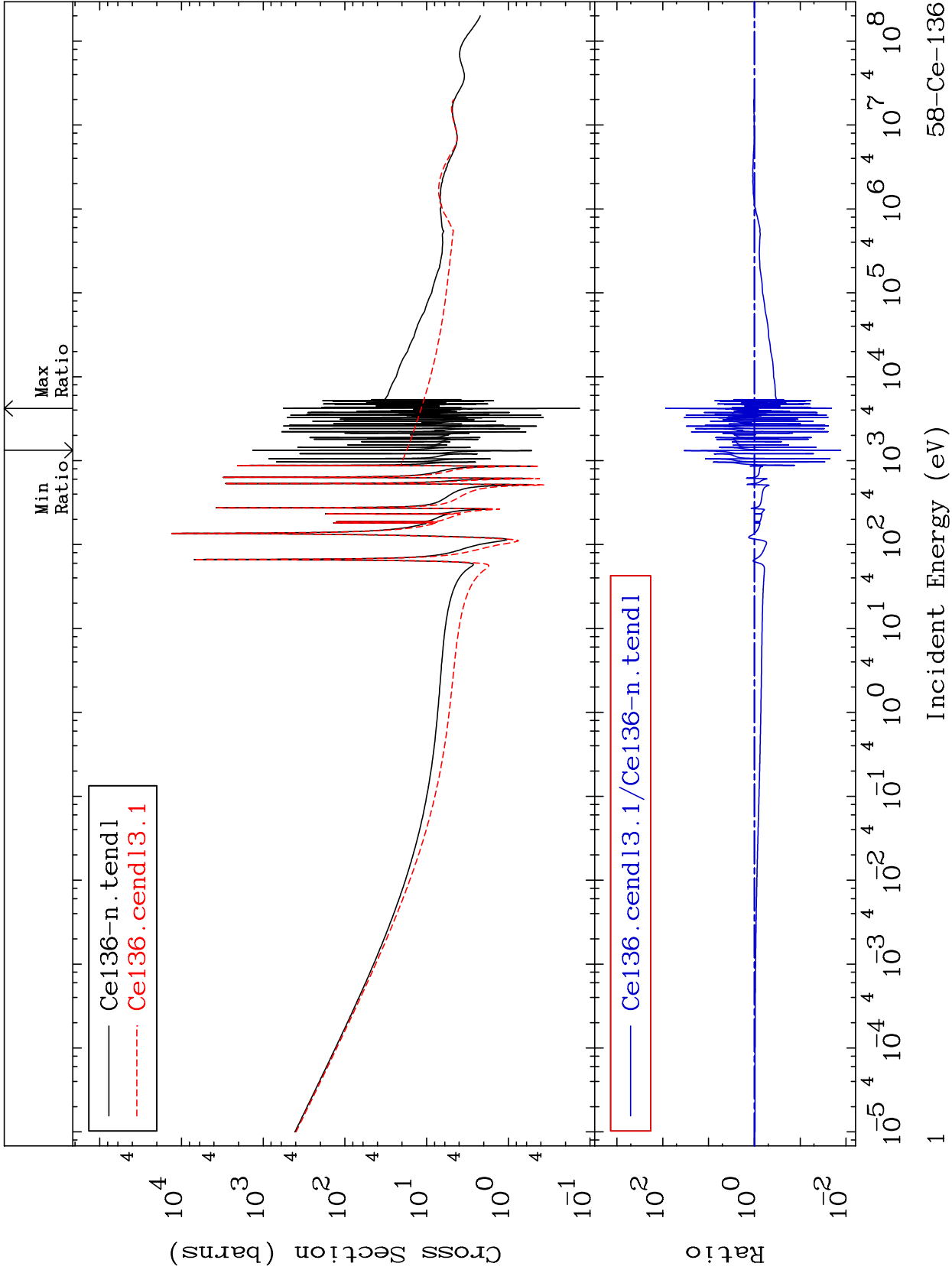


MAT 5825

Total  
Cross Section

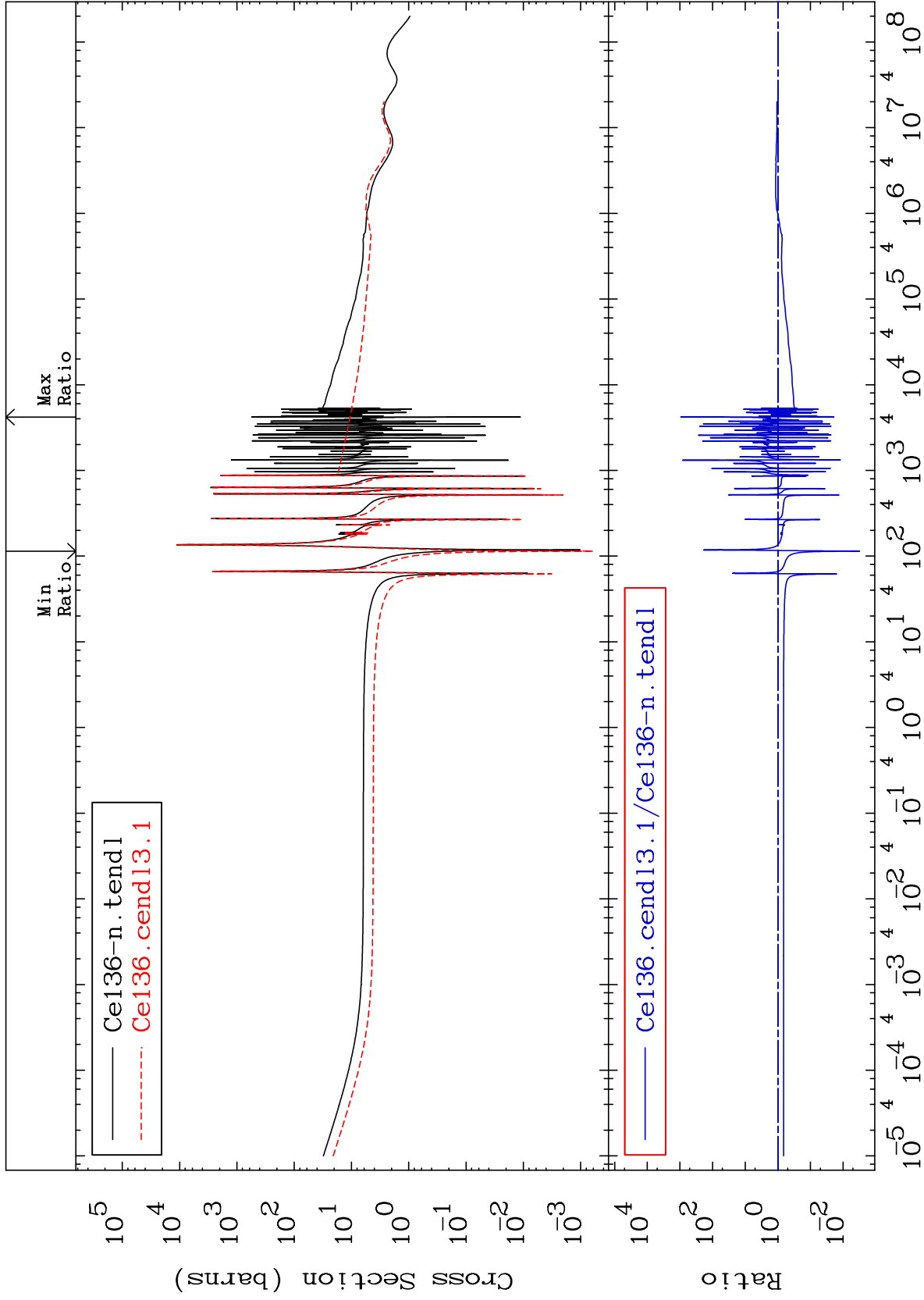
58-Ce-136  
-98.69 To 8604. %



MAT 5825

Elastic  
Cross Section

58-Ce-136  
-99.69 To 9999. %



Incident Energy (eV)

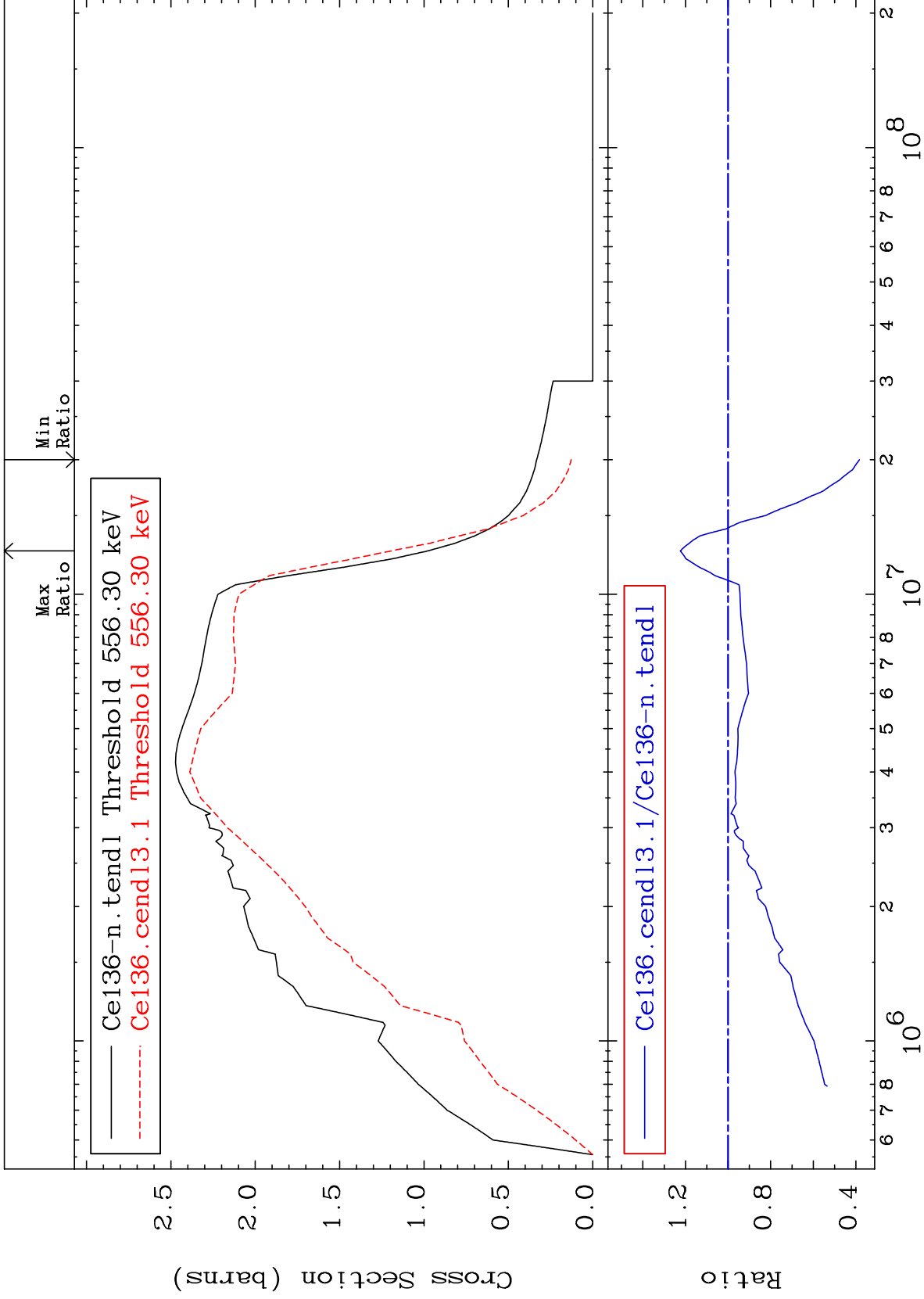
58-Ce-136

2

MAT 5825

Inelastic  
Cross Section

58-Ce-136  
-61.65 To 22.40 %



3

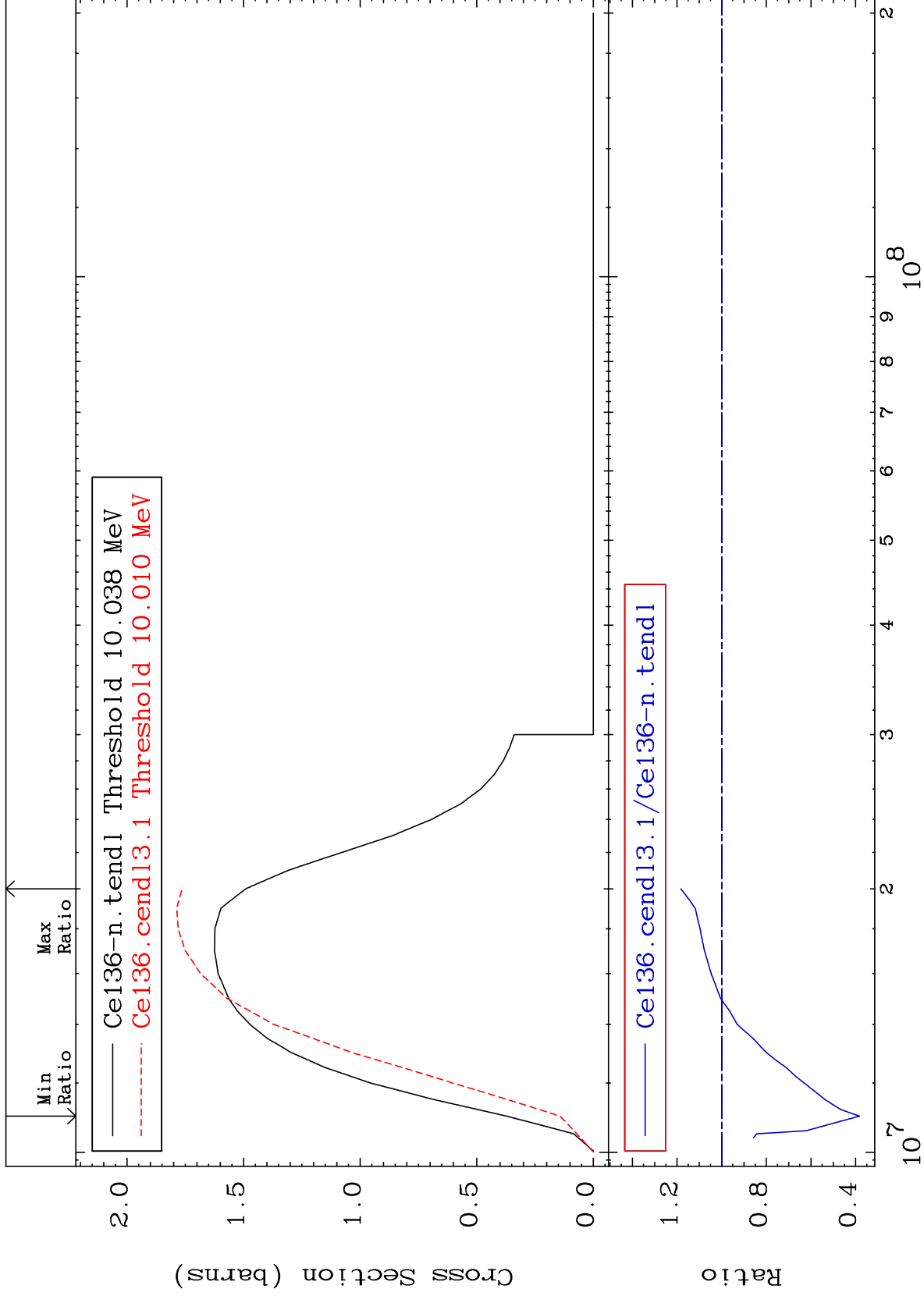
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n)  
Cross Section

58-Ce-136  
-61.74 To 18.32 %



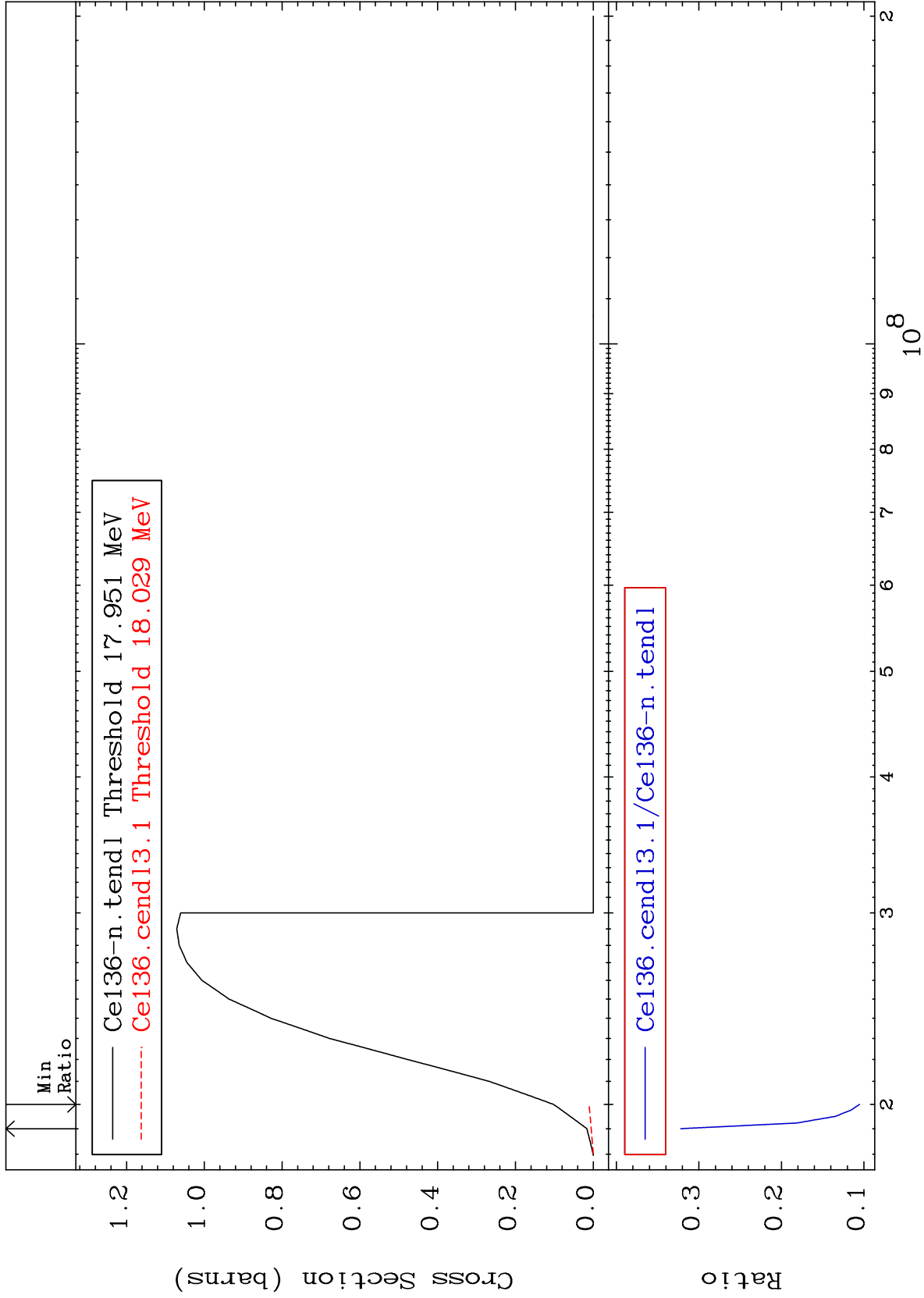
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,3n)  
Cross Section

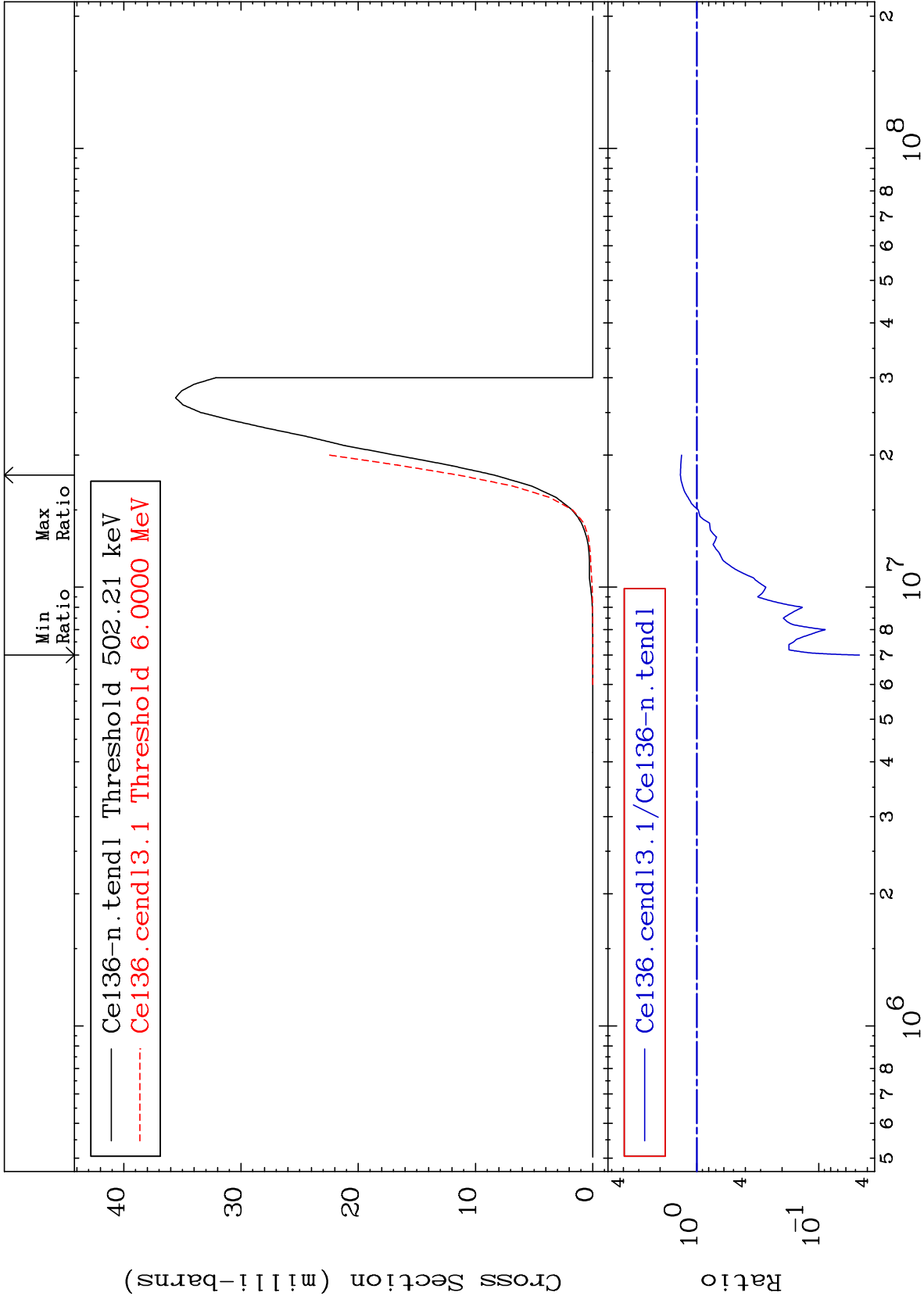
58-Ce-136  
-89.48 To -67.80%



MAT 5825

58-Ce-136  
-95.36 To 36.64 %

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



6

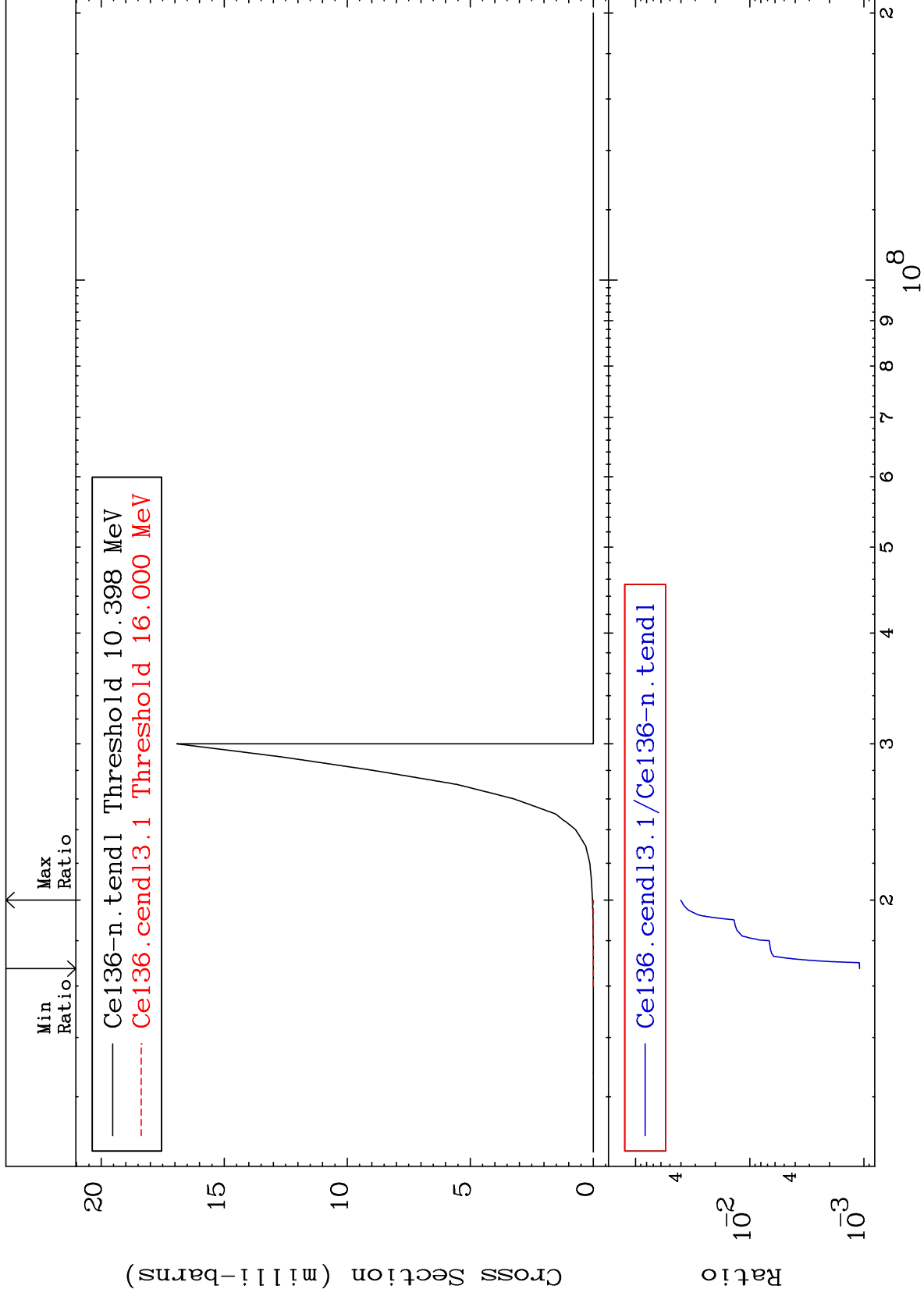
Incident Energy (eV)

58-Ce-136

MAT 5825

(n,2n)  $\alpha$   
Cross Section

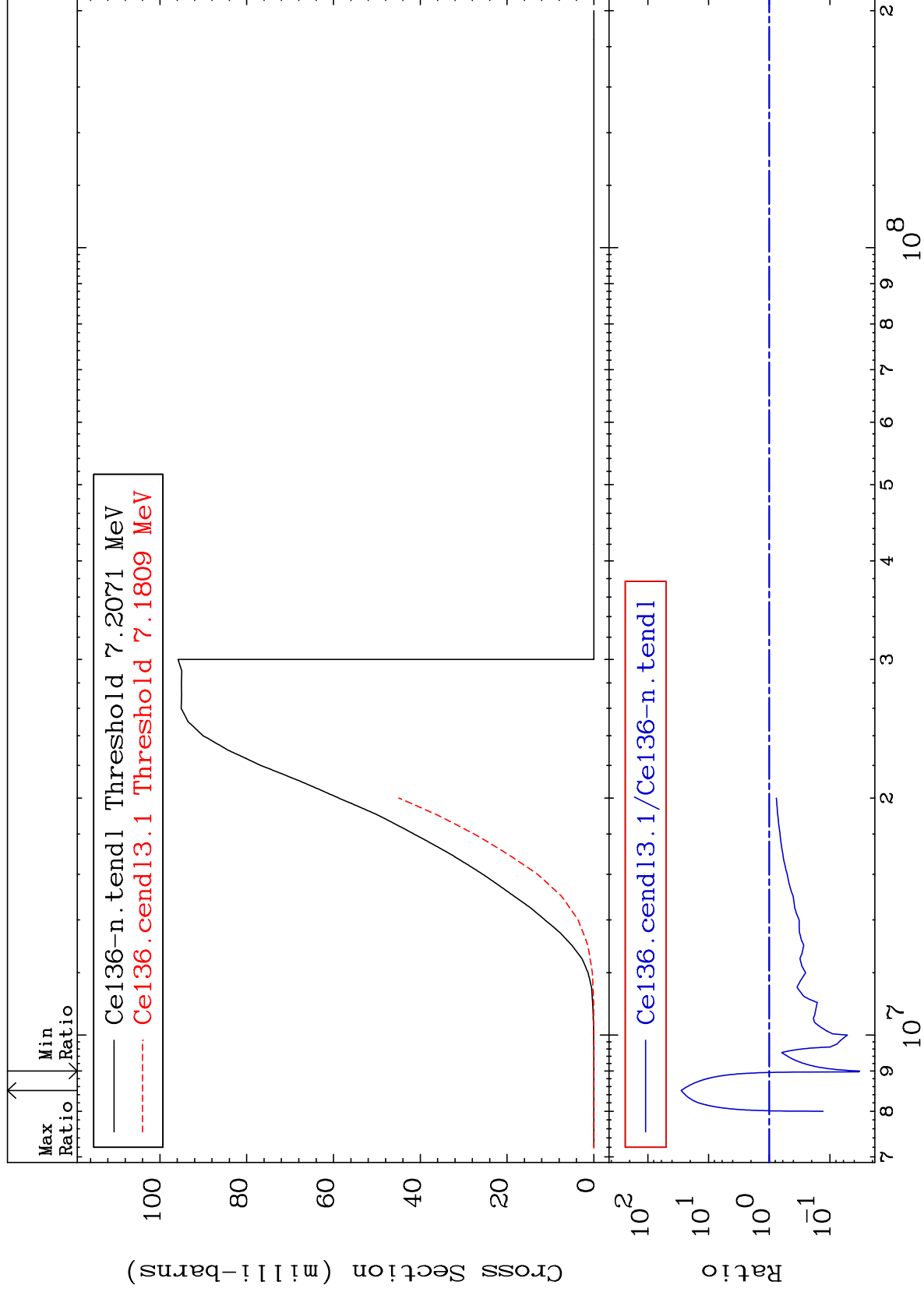
58-Ce-136  
-99.89 To -95.98%



MAT 5825

(n,n') p  
Cross Section

58-Ce-136  
-96.75 To 2724. %



8

Incident Energy (eV)

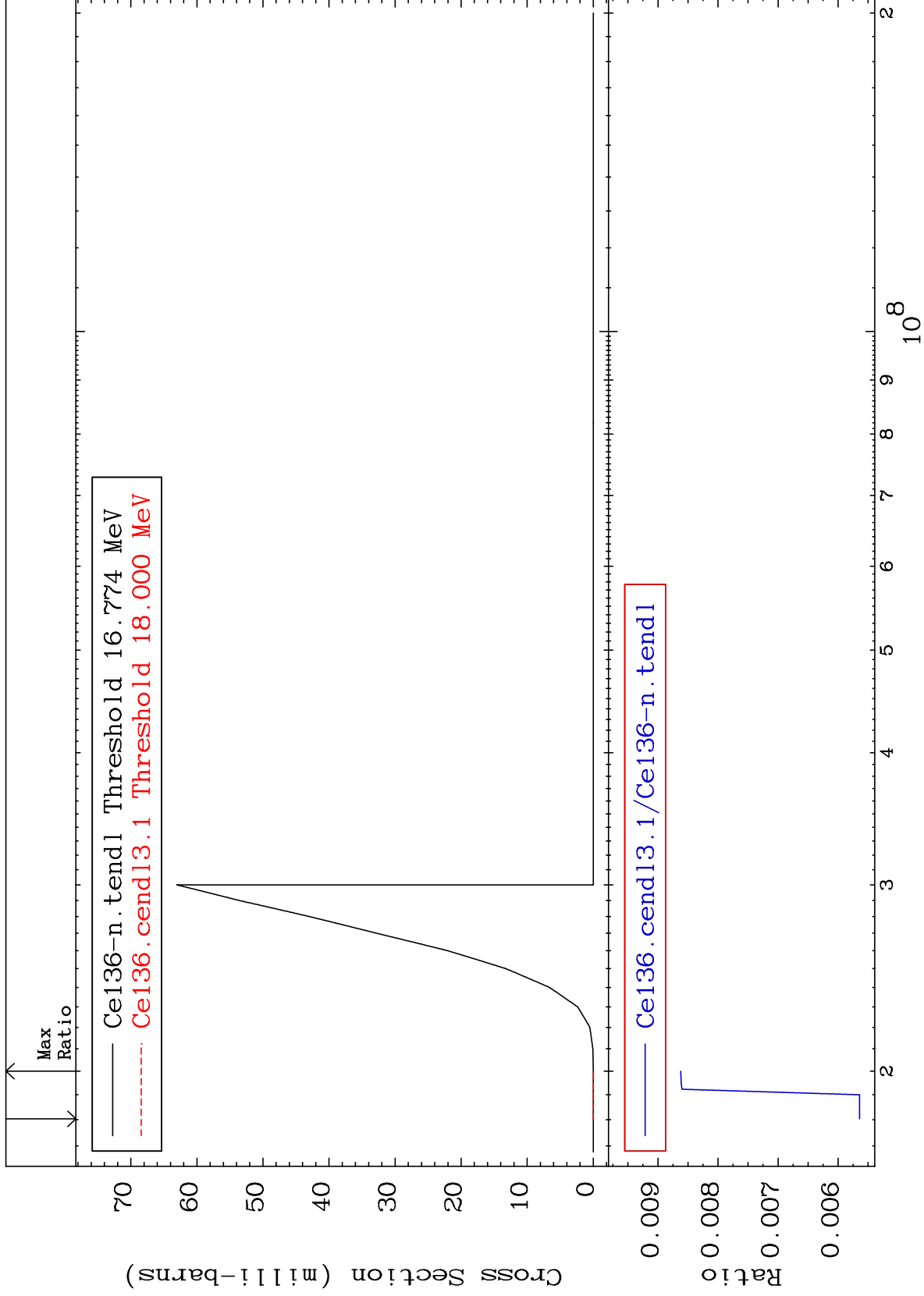
58-Ce-136



MAT 5825

(n,2n) p  
Cross Section

58-Ce-136  
-99.44 To -99.14%



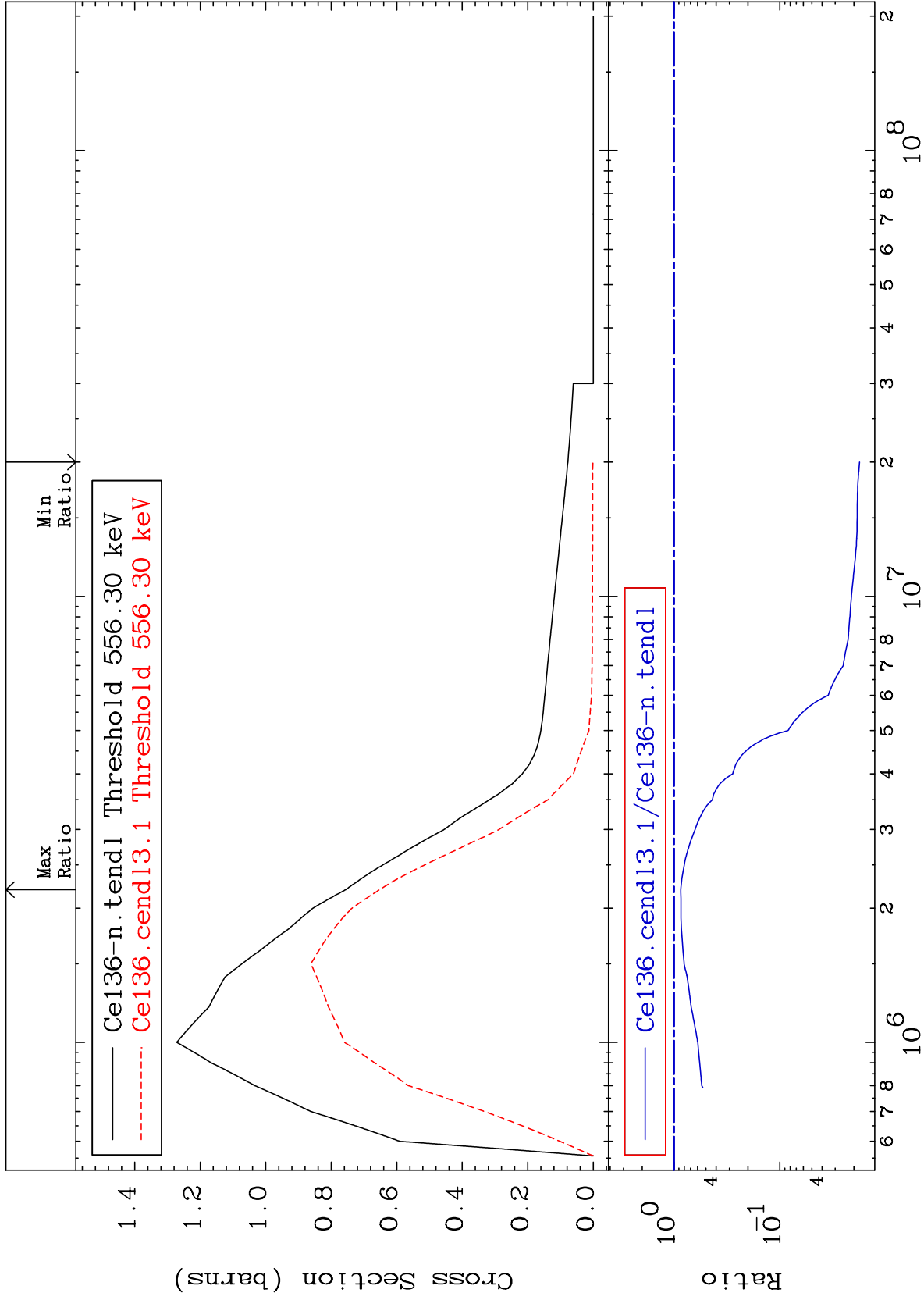
MAT 5825

552.2 keV (n,n') Level

58-Ce-136

-98.23 To -13.67%

Cross Section



10

Incident Energy (eV)

58-Ce-136

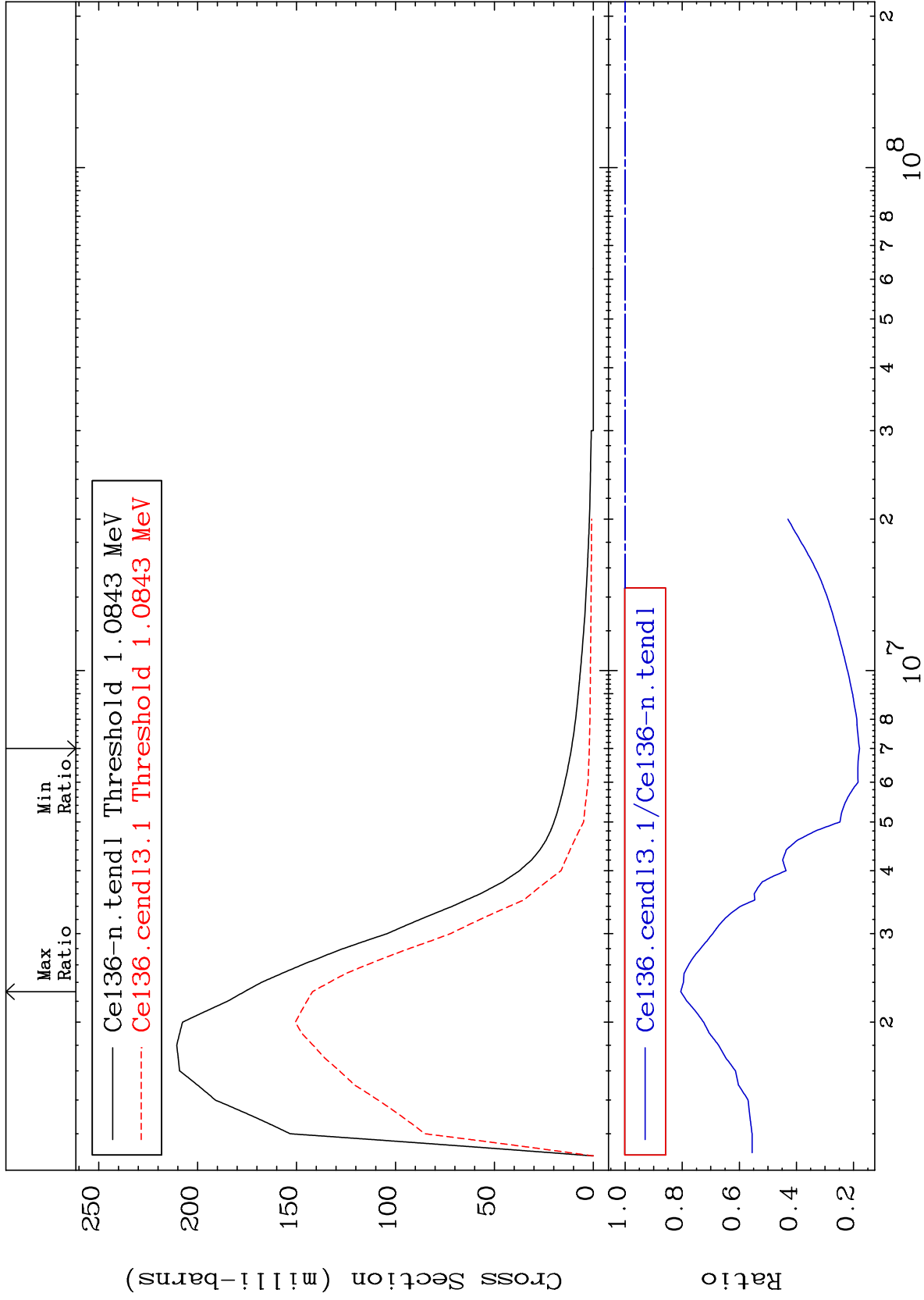
MAT 5825

1.076 MeV (n,n') Level

58-Ce-136

-82.10 To -19.50%

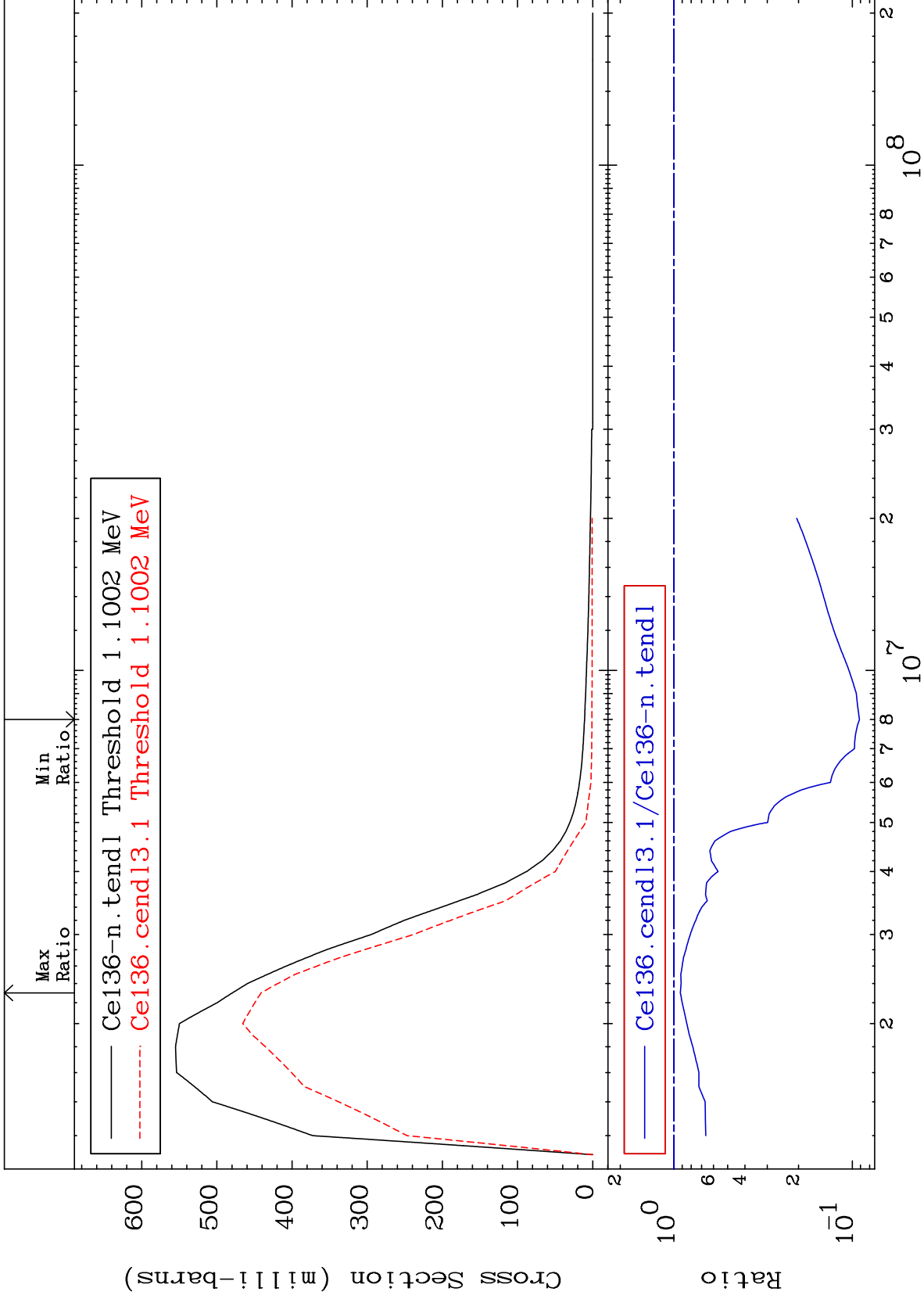
Cross Section



MAT 5825

1.092 MeV (n,n') Level  
Cross Section

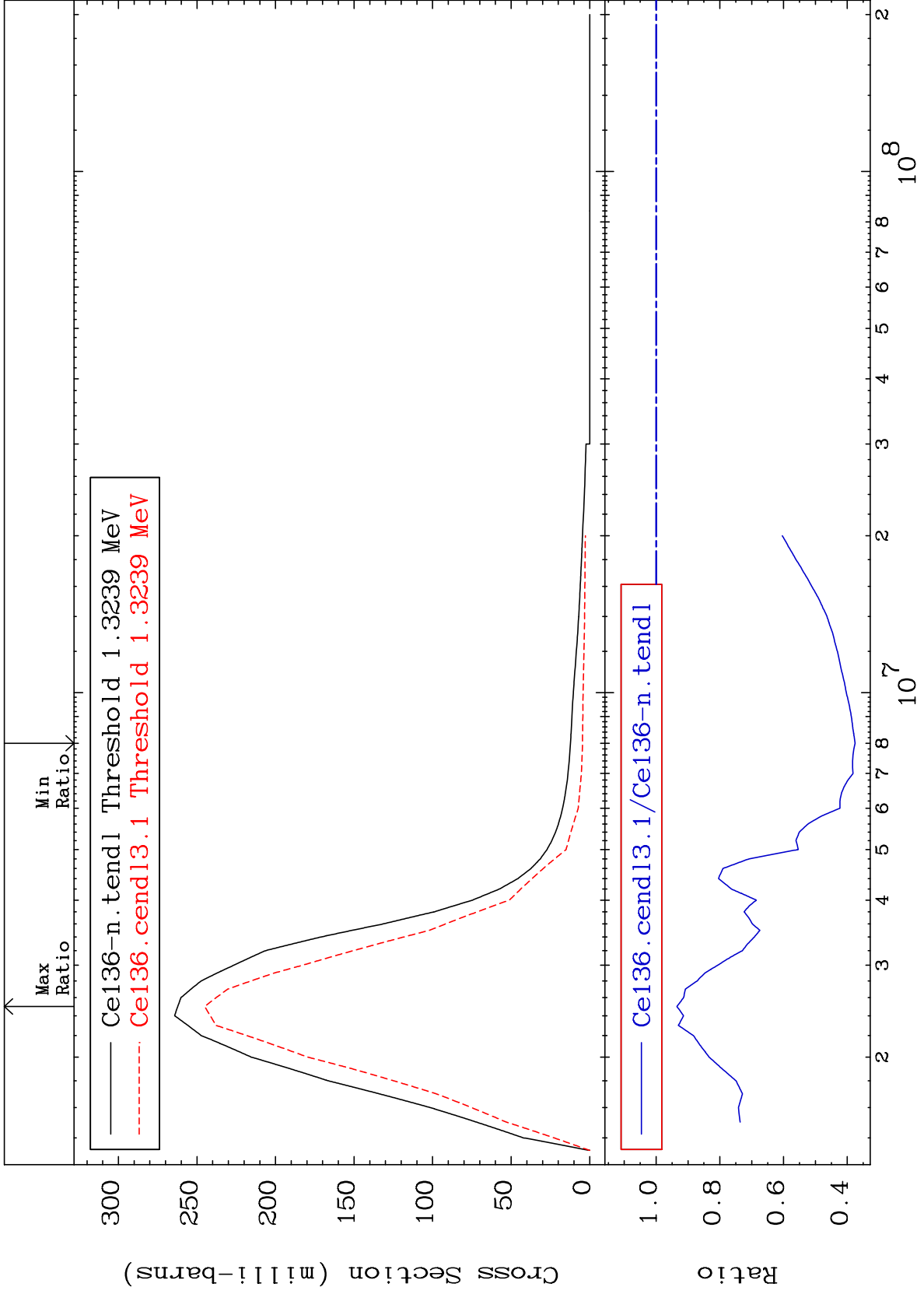
58-Ce-136  
-90.88 To -7.943%



MAT 5825

1.314 MeV (n,n') Level  
Cross Section

58-Ce-136  
-62.45 To -6.527%



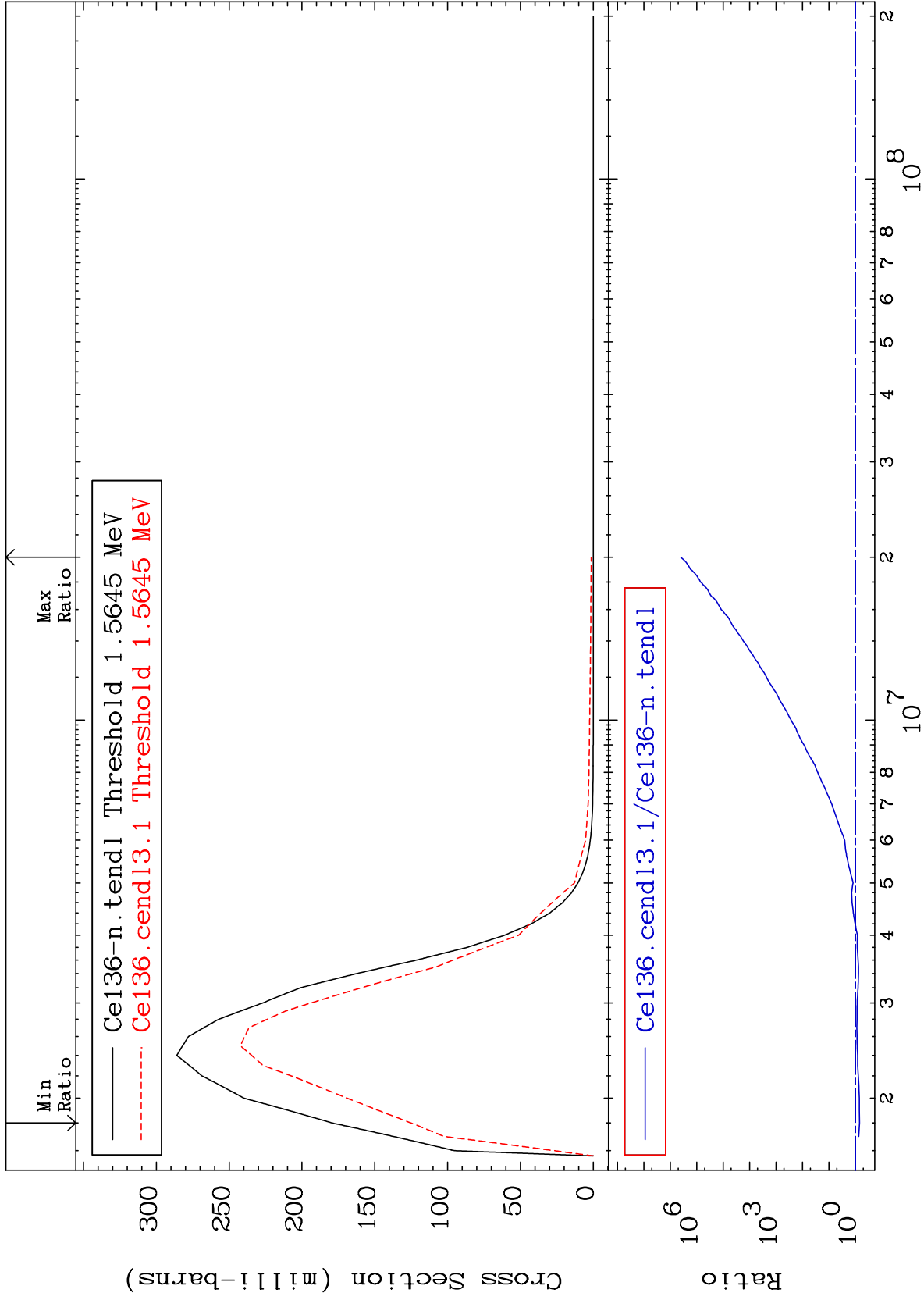
MAT 5825

1.553 MeV (n,n') Level

58-Ce-136

-30.21 To 9999. %

Cross Section



14

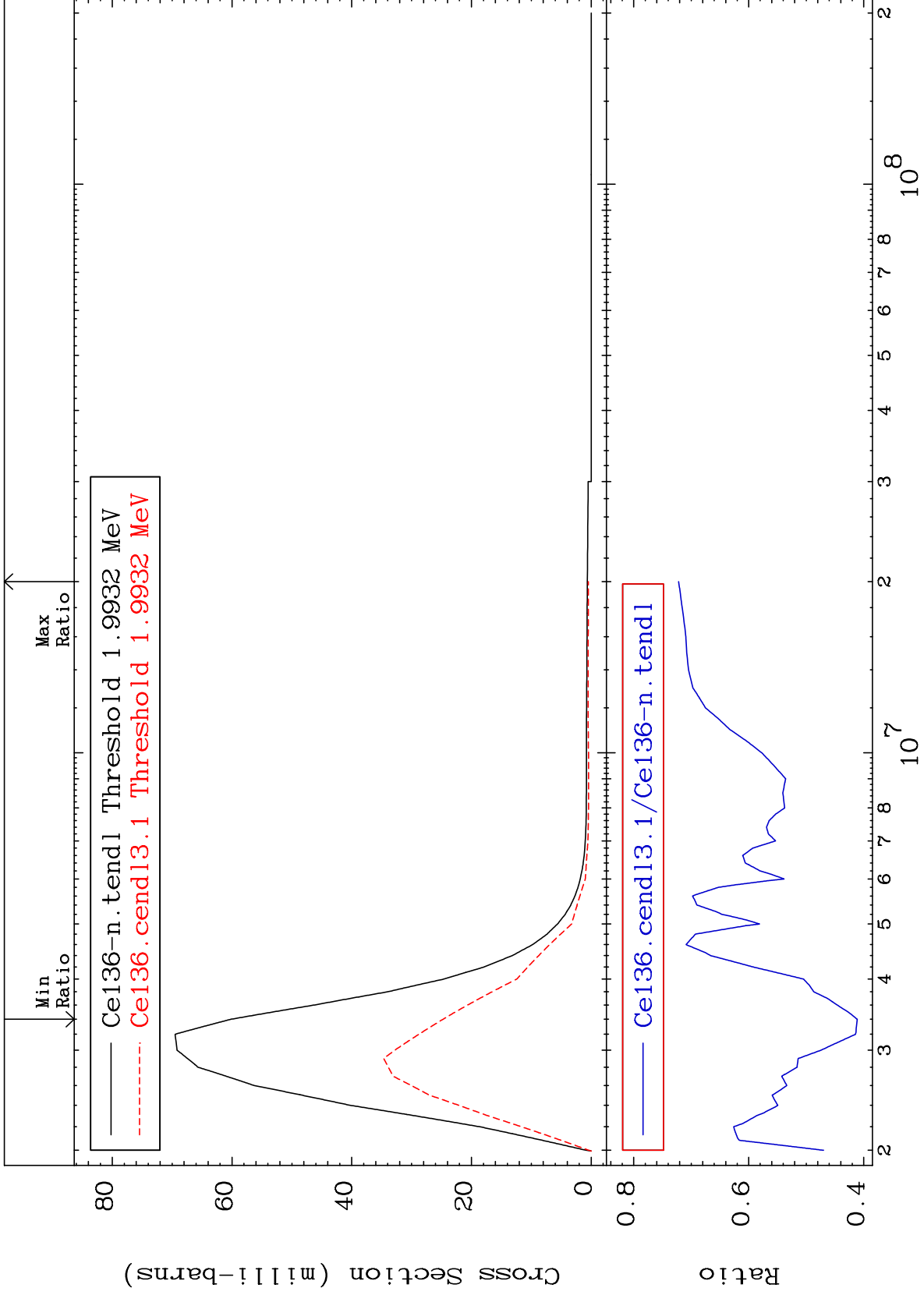
Incident Energy (eV)

58-Ce-136

MAT 5825

1.979 MeV (n,n') Level  
Cross Section

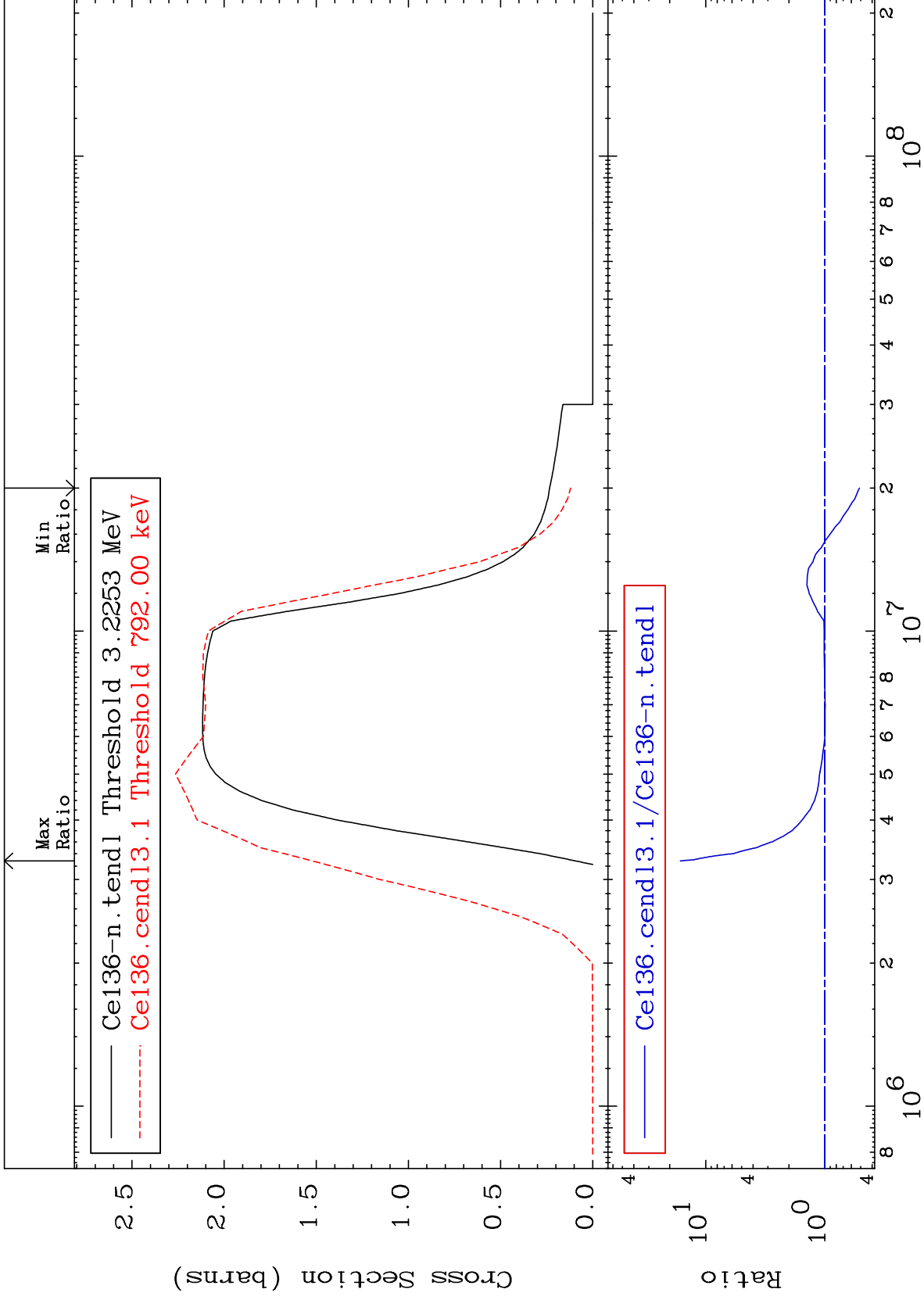
58-Ce-136  
-58.88 To -27.81%



MAT 5825

(n, n') Continuum  
Cross Section

58-Ce-136  
-48.78 To 1530. %



16

Incident Energy (eV)

58-Ce-136



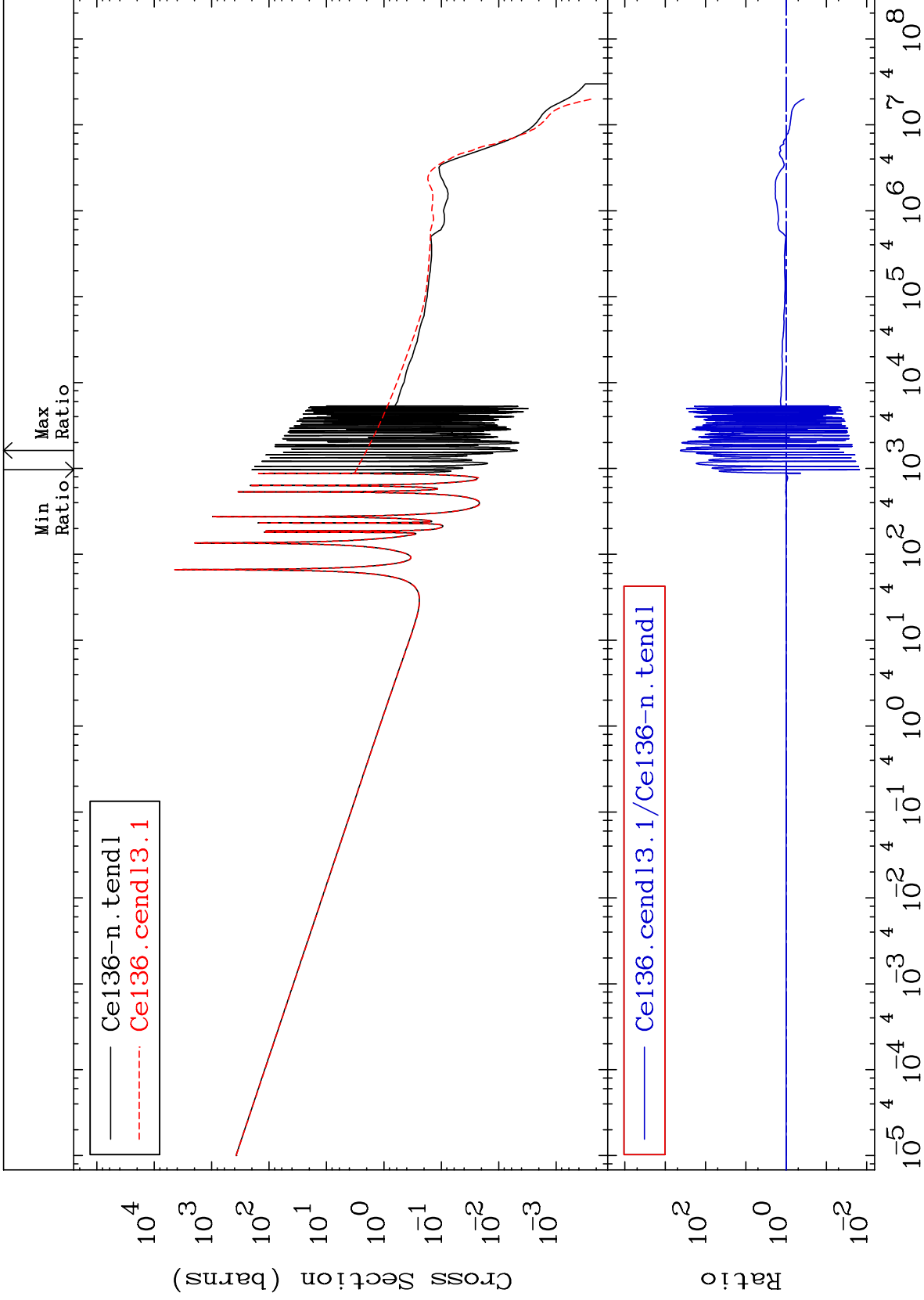
MAT 5825

(n,  $\gamma$ )

58-Ce-136

Cross Section

-98.48 To 9999. %



17

Incident Energy (eV)

58-Ce-136

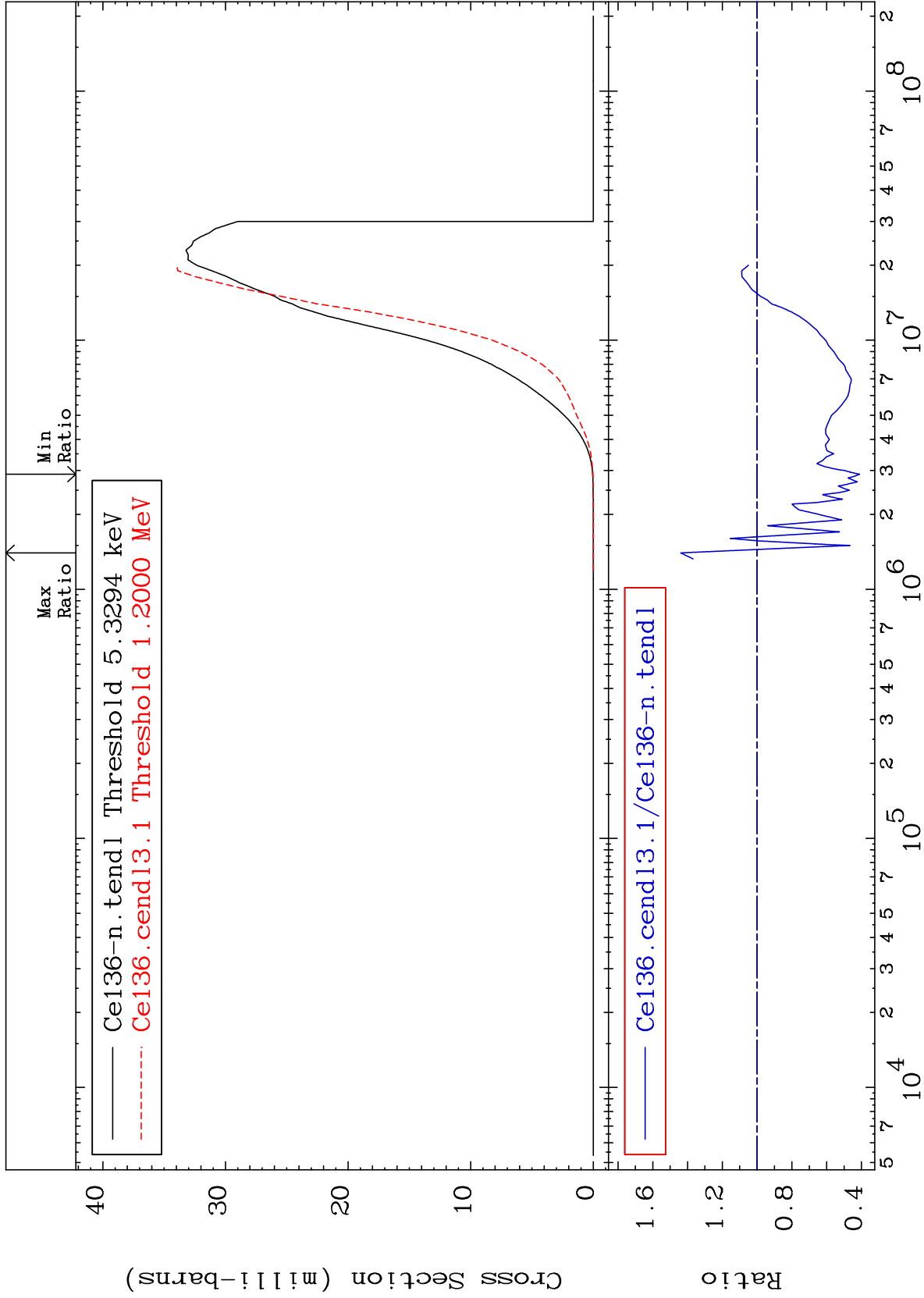
MAT 5825

(n, p)

58-Ce-136

Cross Section

-58.91 To 43.90 %



18

Incident Energy (eV)

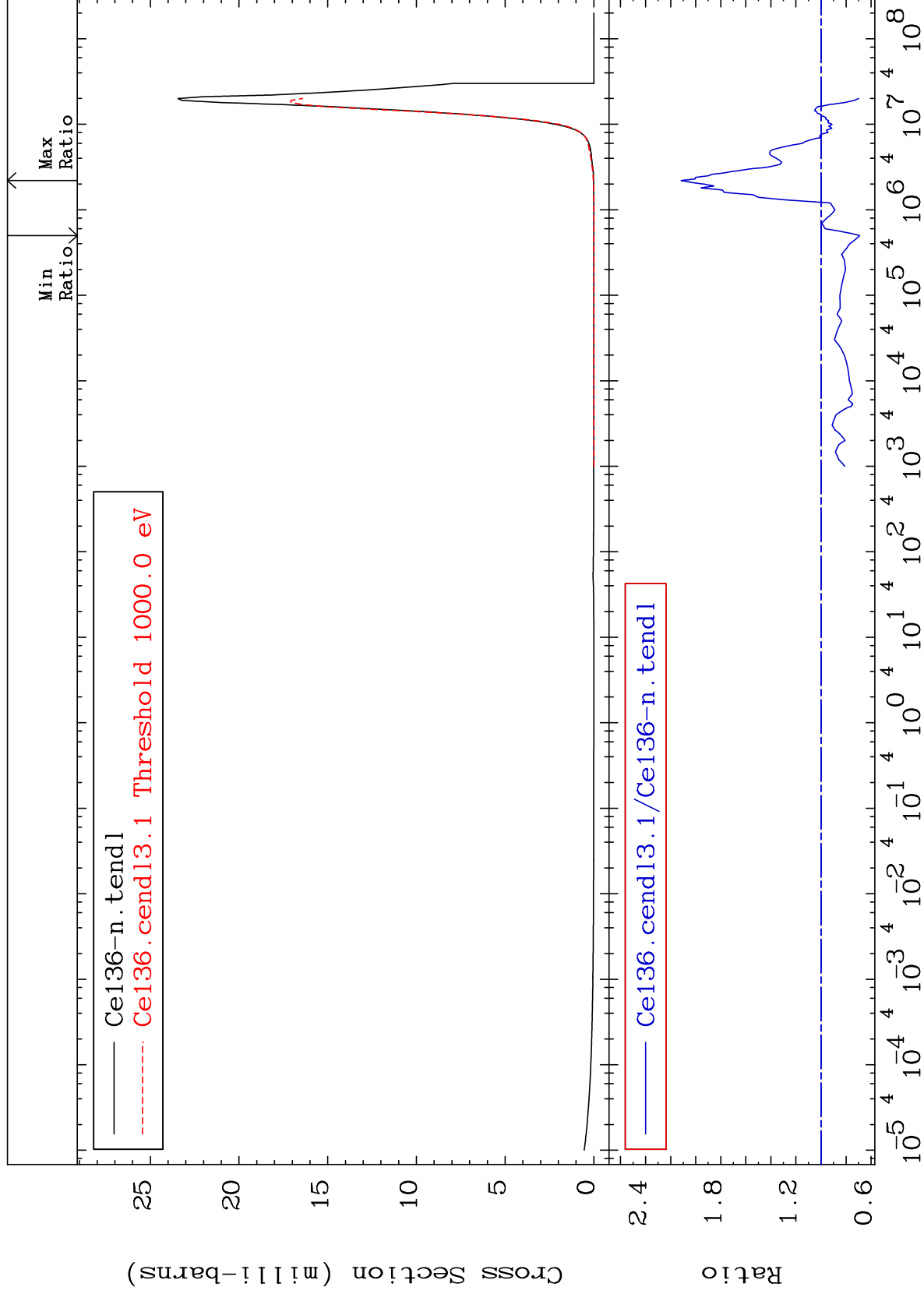
58-Ce-136

MAT 5825

58-Ce-136

(n,  $\alpha$ )  
Cross Section

-30.85 To 111.6 %



19

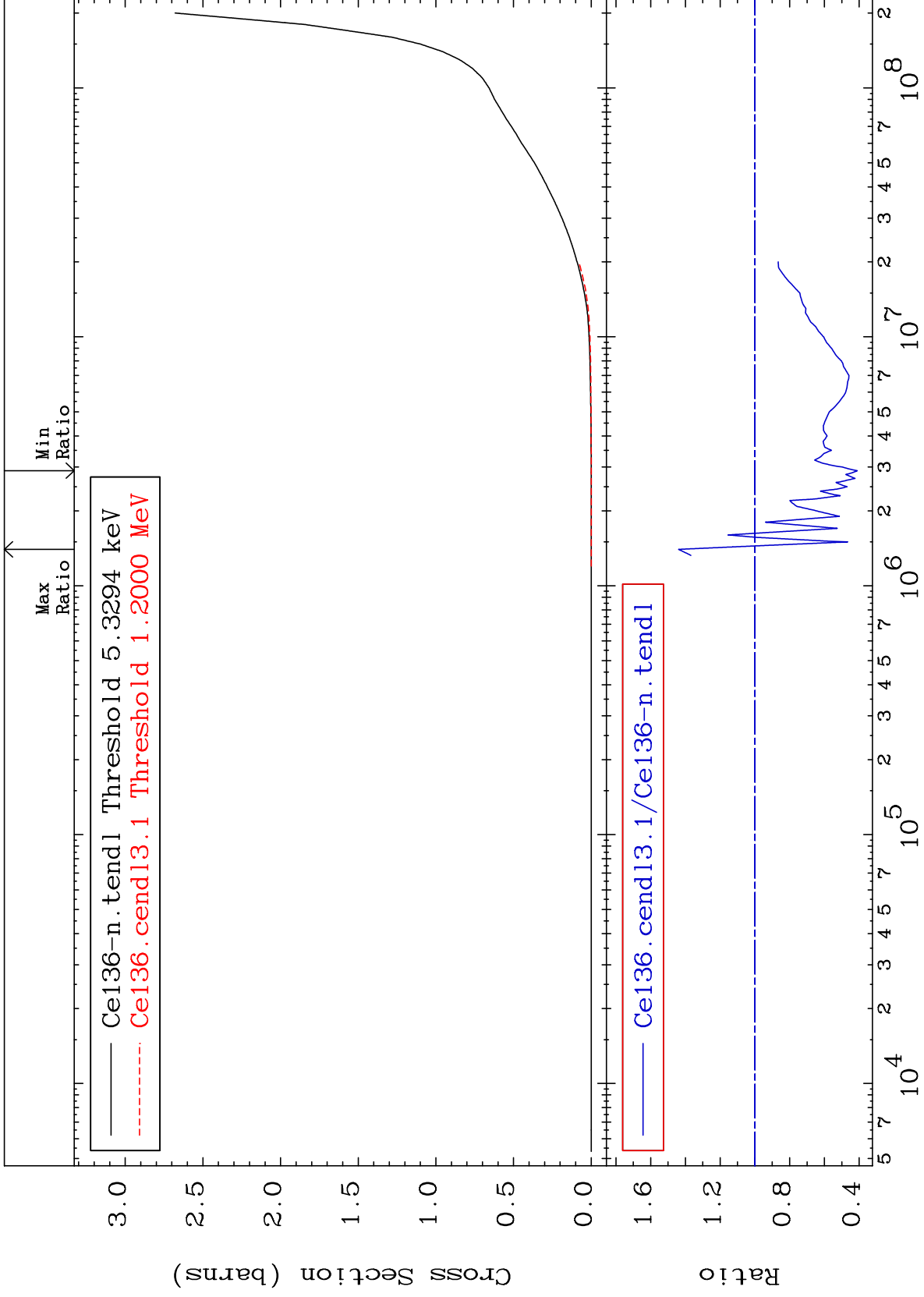
Incident Energy (eV)

58-Ce-136

MAT 5825

Hydrogen Production  
Cross Section

58-Ce-136  
-58.91 To 43.90 %



20

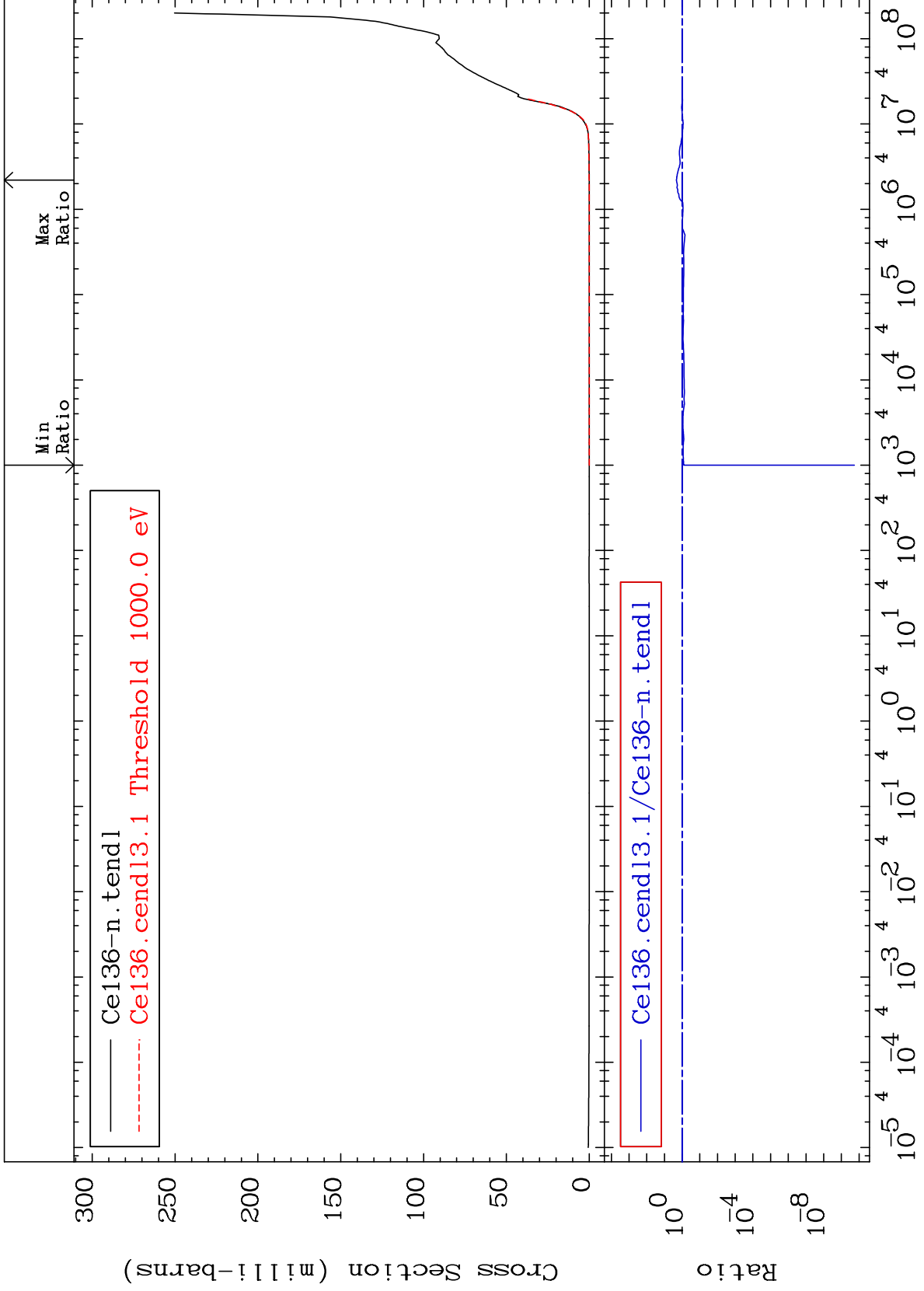
Incident Energy (eV)

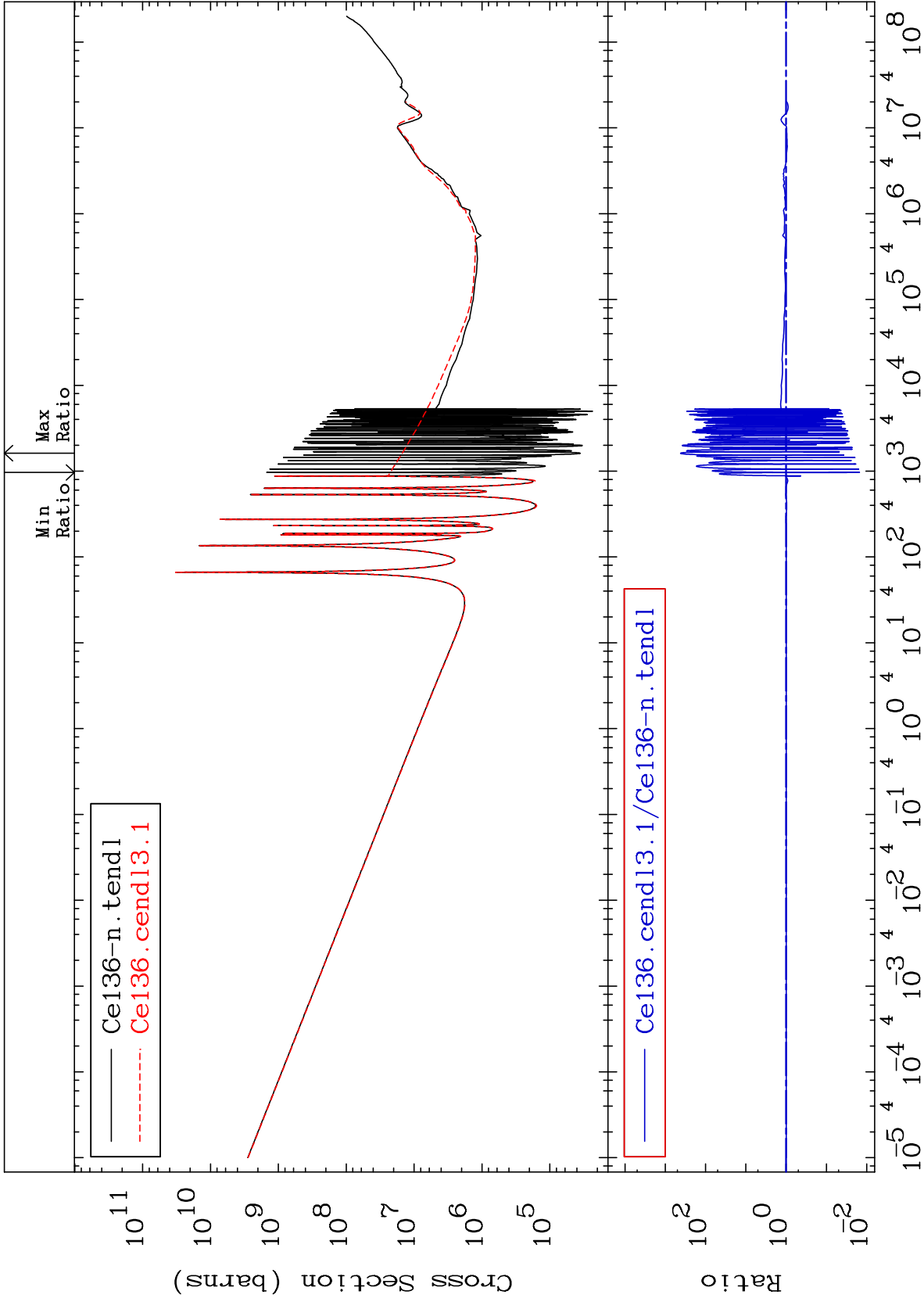
58-Ce-136

MAT 5825

He-4 Production  
Cross Section

58-Ce-136  
-100.0 To 111.6 %





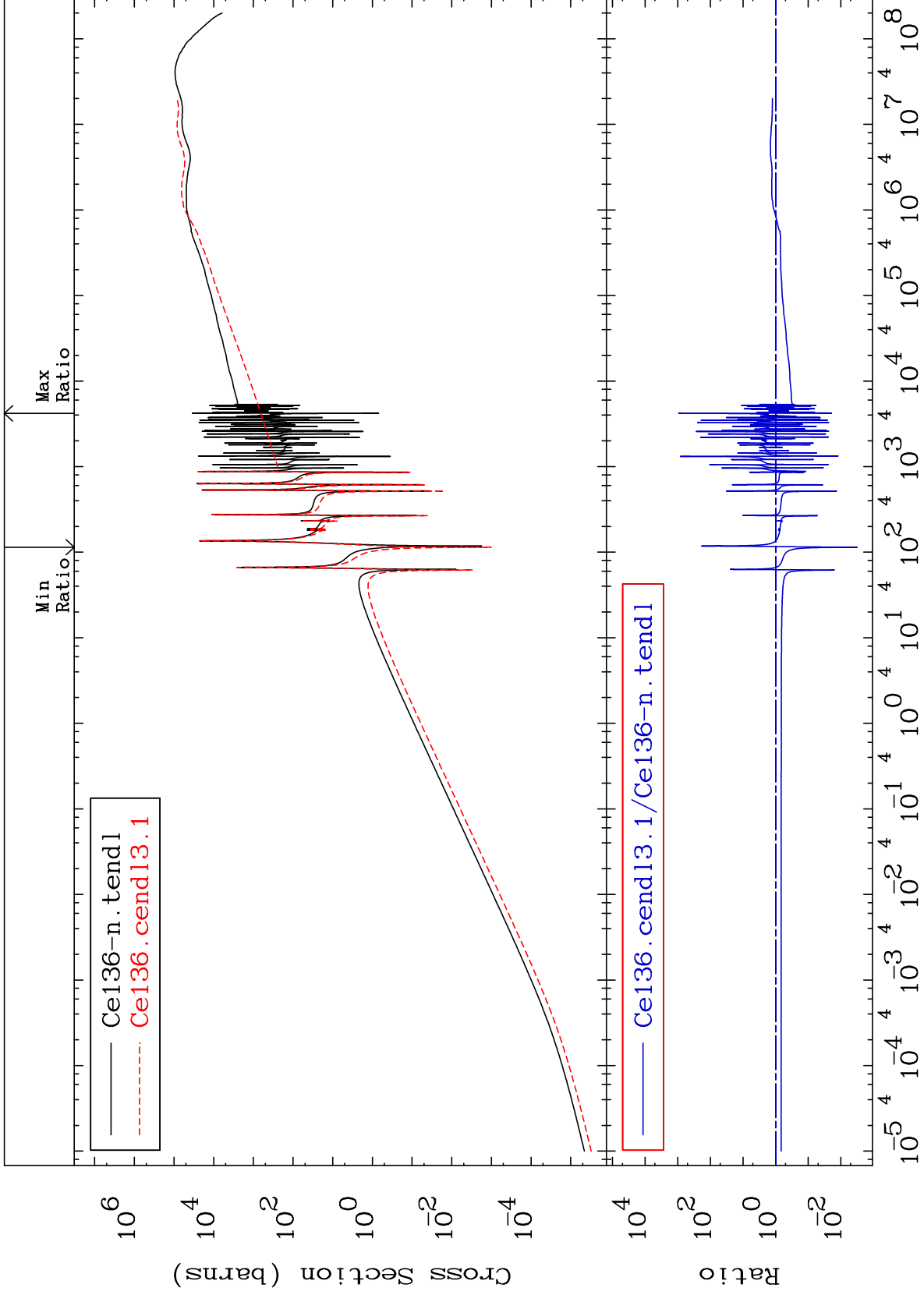
Ce136-n.tend1  
Ce136.cend13.1

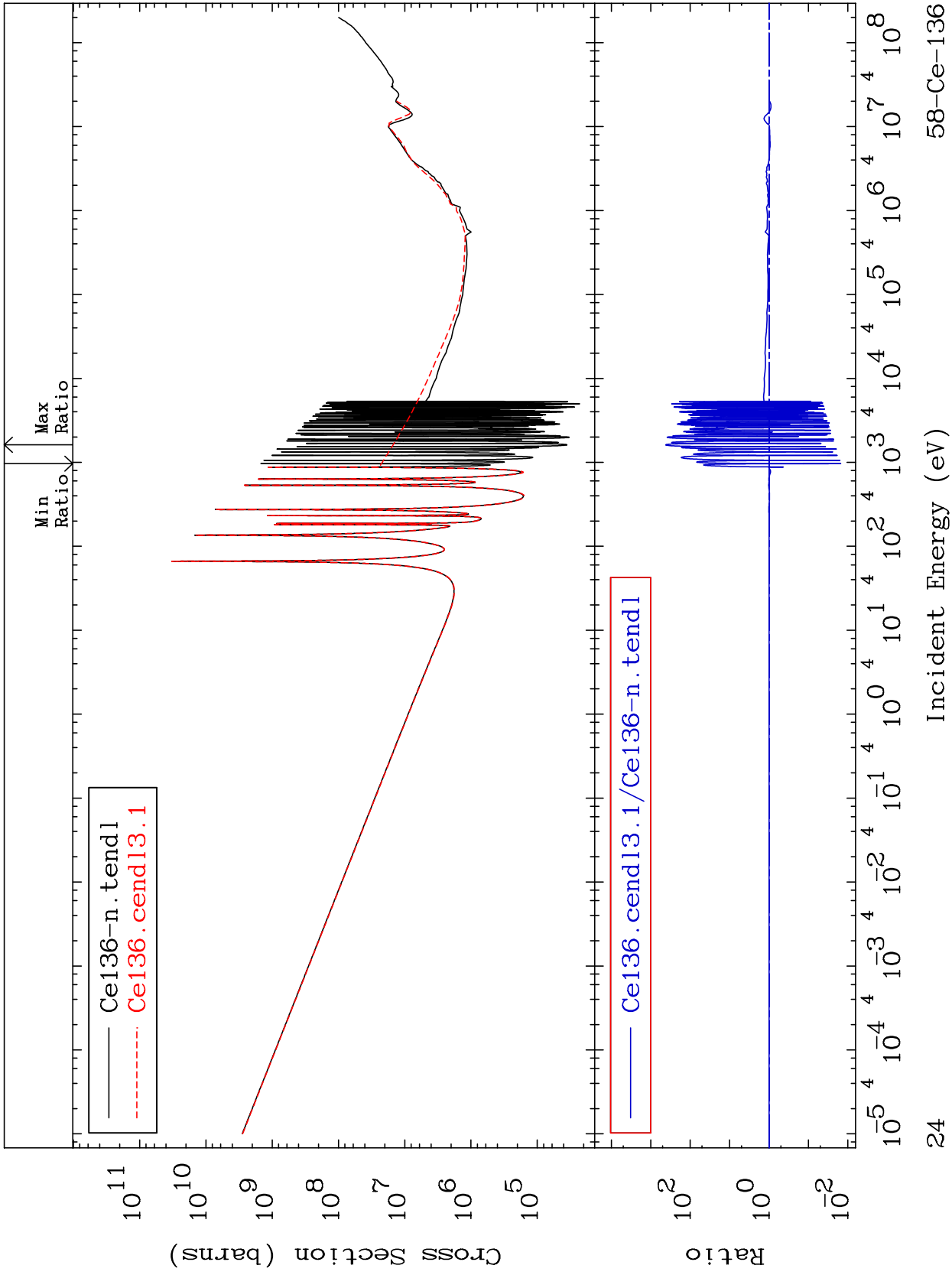
Ce136.cend13.1/Ce136-n.tend1

MAT 5825

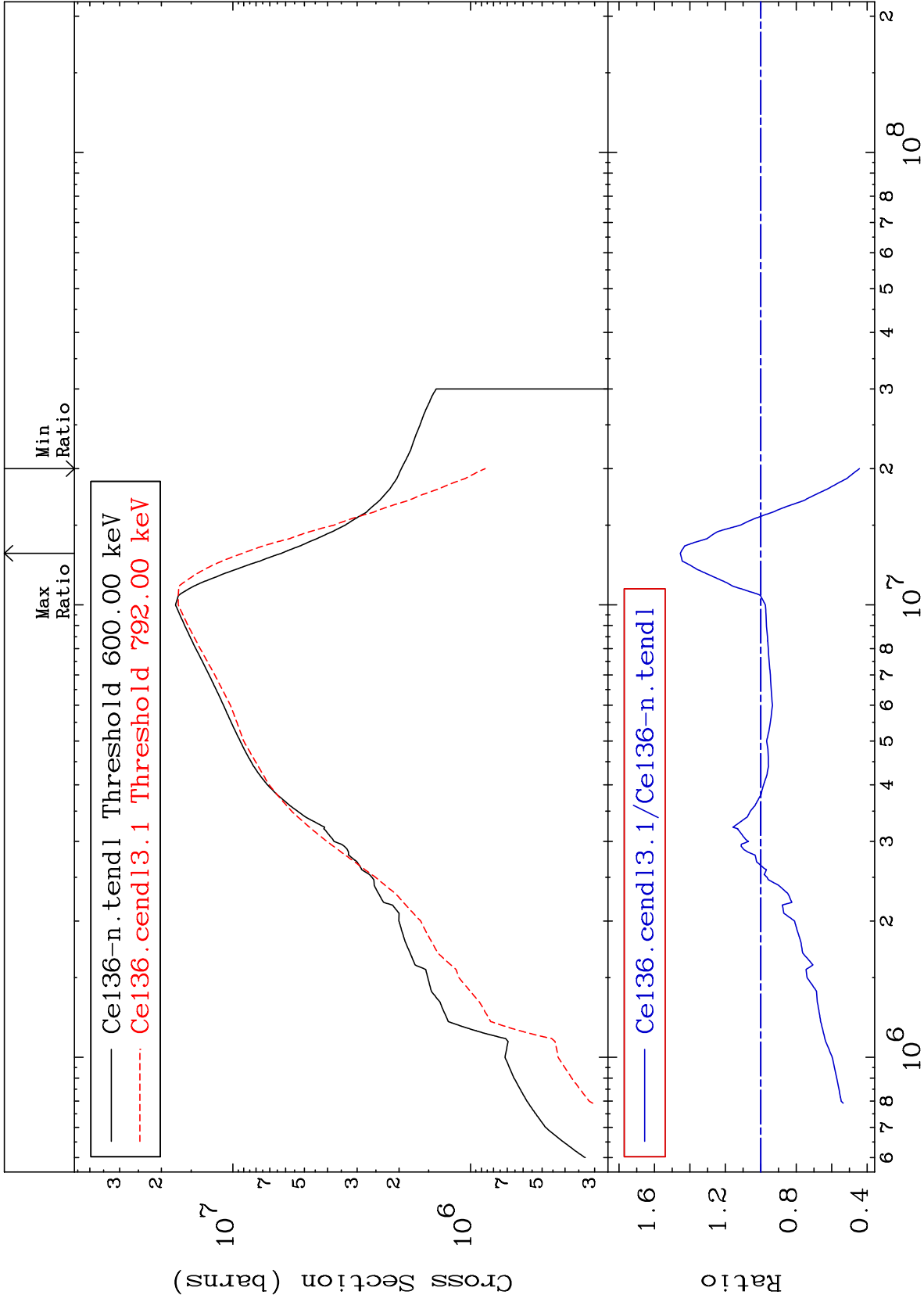
Kerma elastic  
Cross Section

58-Ce-136  
-99.69 To 9999. %





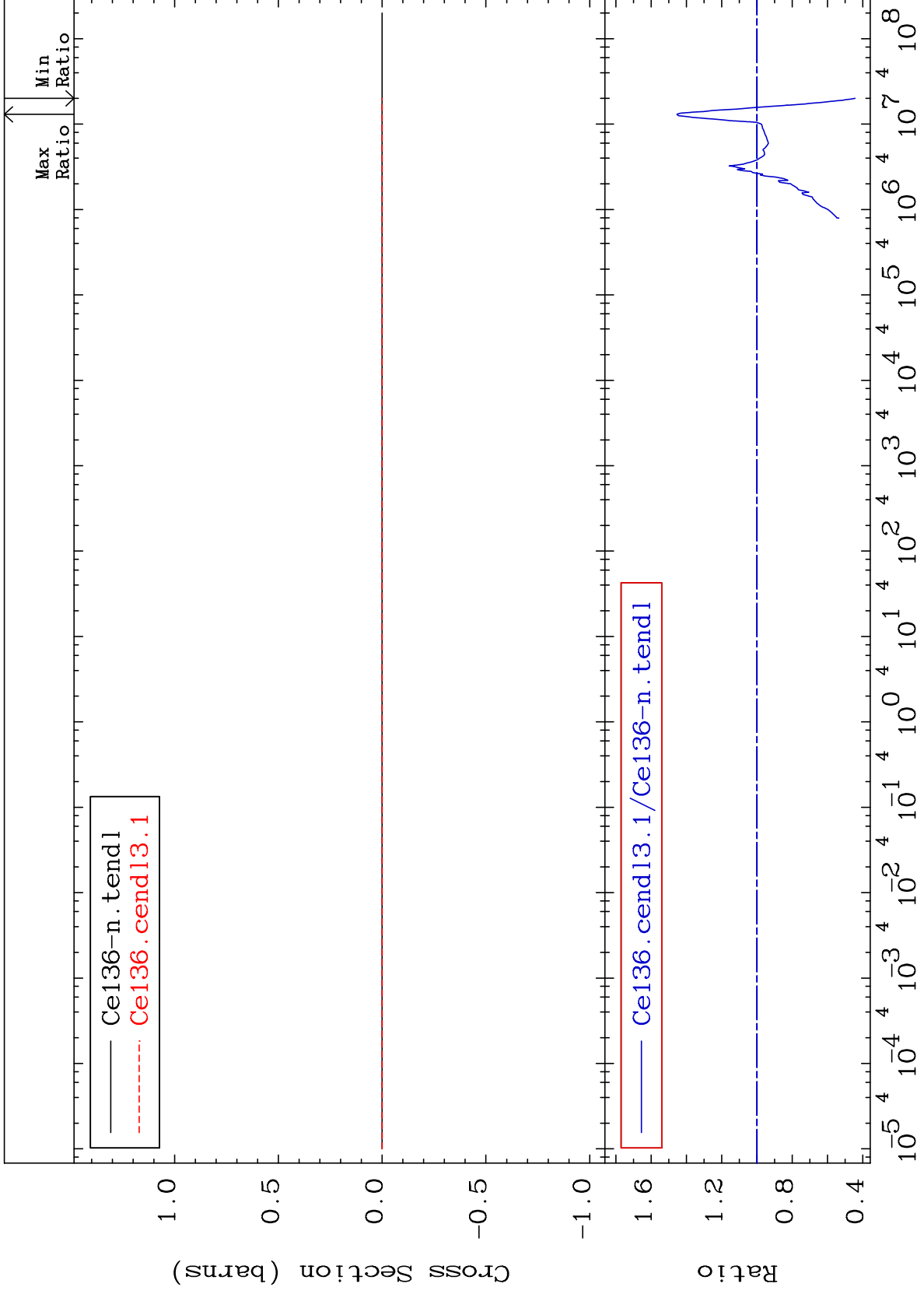




MAT 5825

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

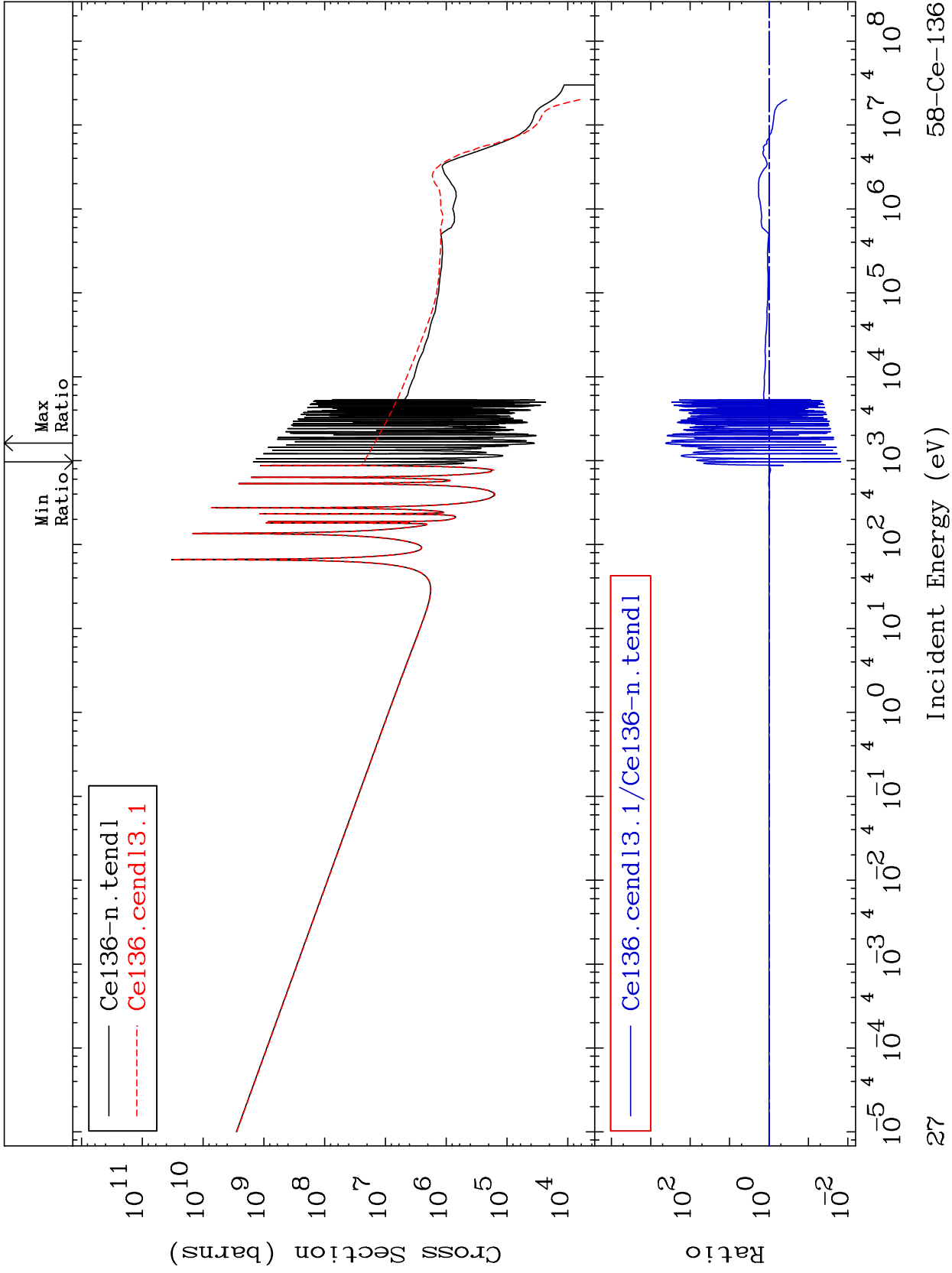
58-Ce-136  
-55.62 To 45.38 %



MAT 5825

Kerma capture (mt102)  
Cross Section

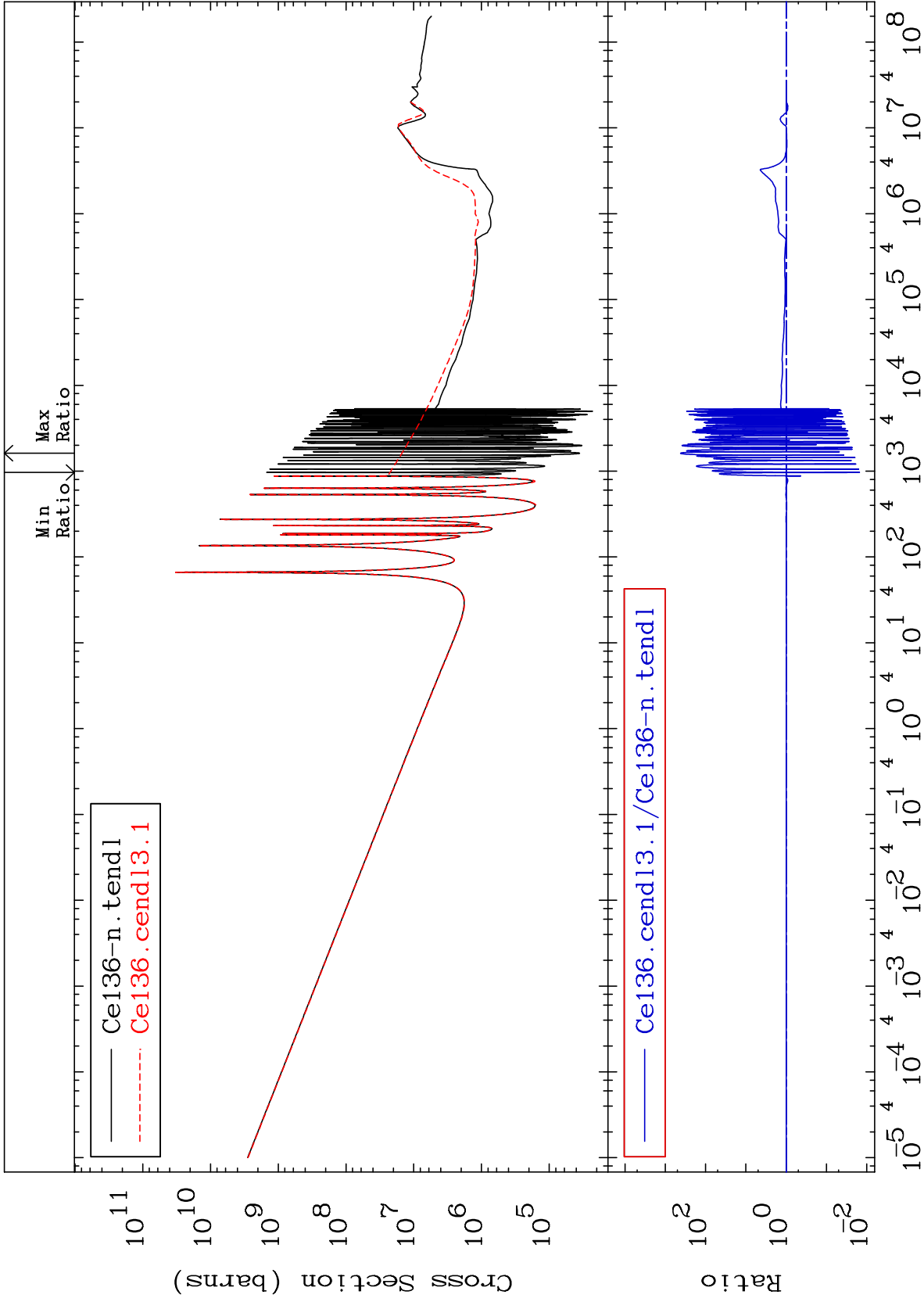
58-Ce-136  
-98.48 To 9999. %

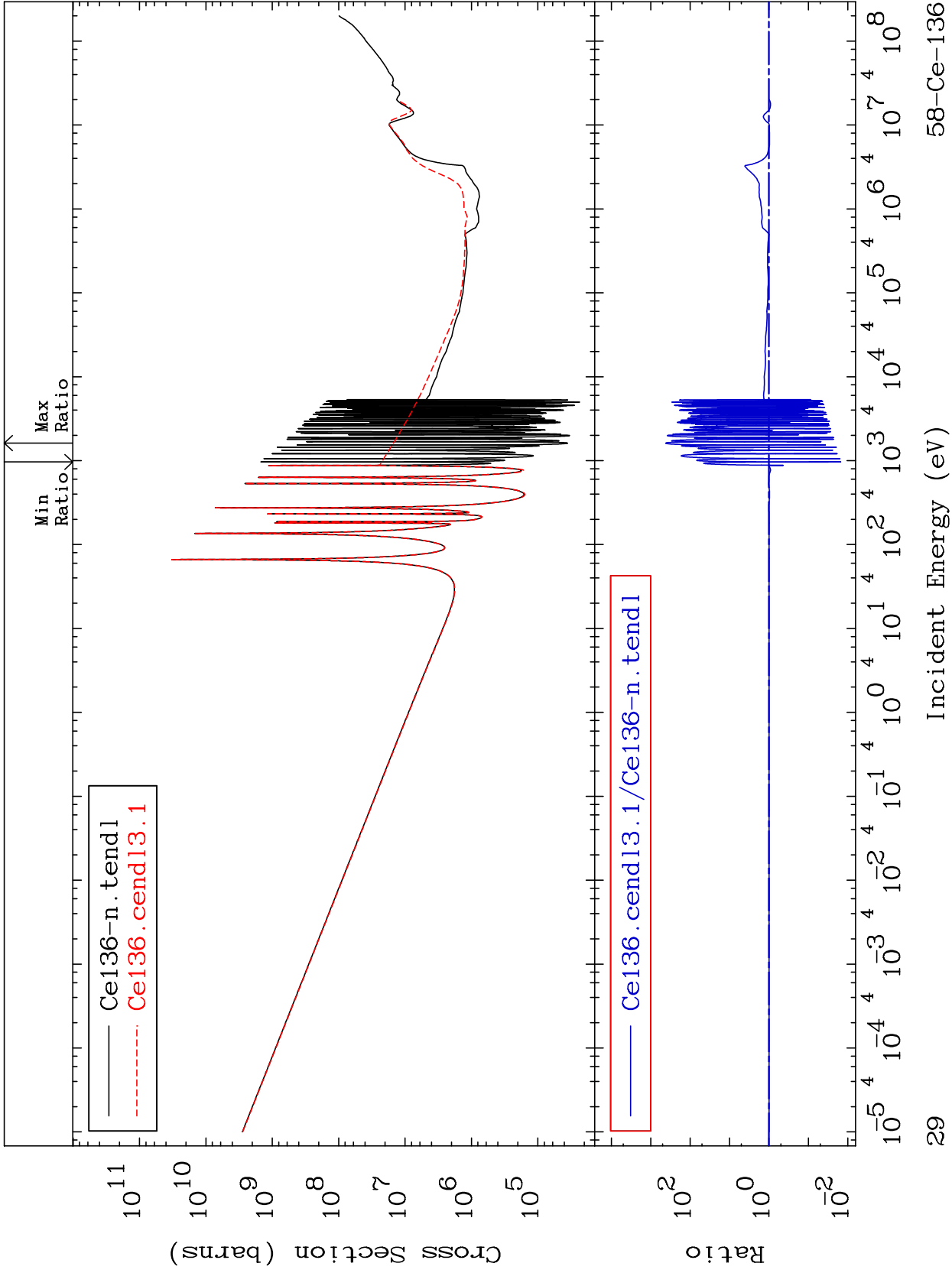


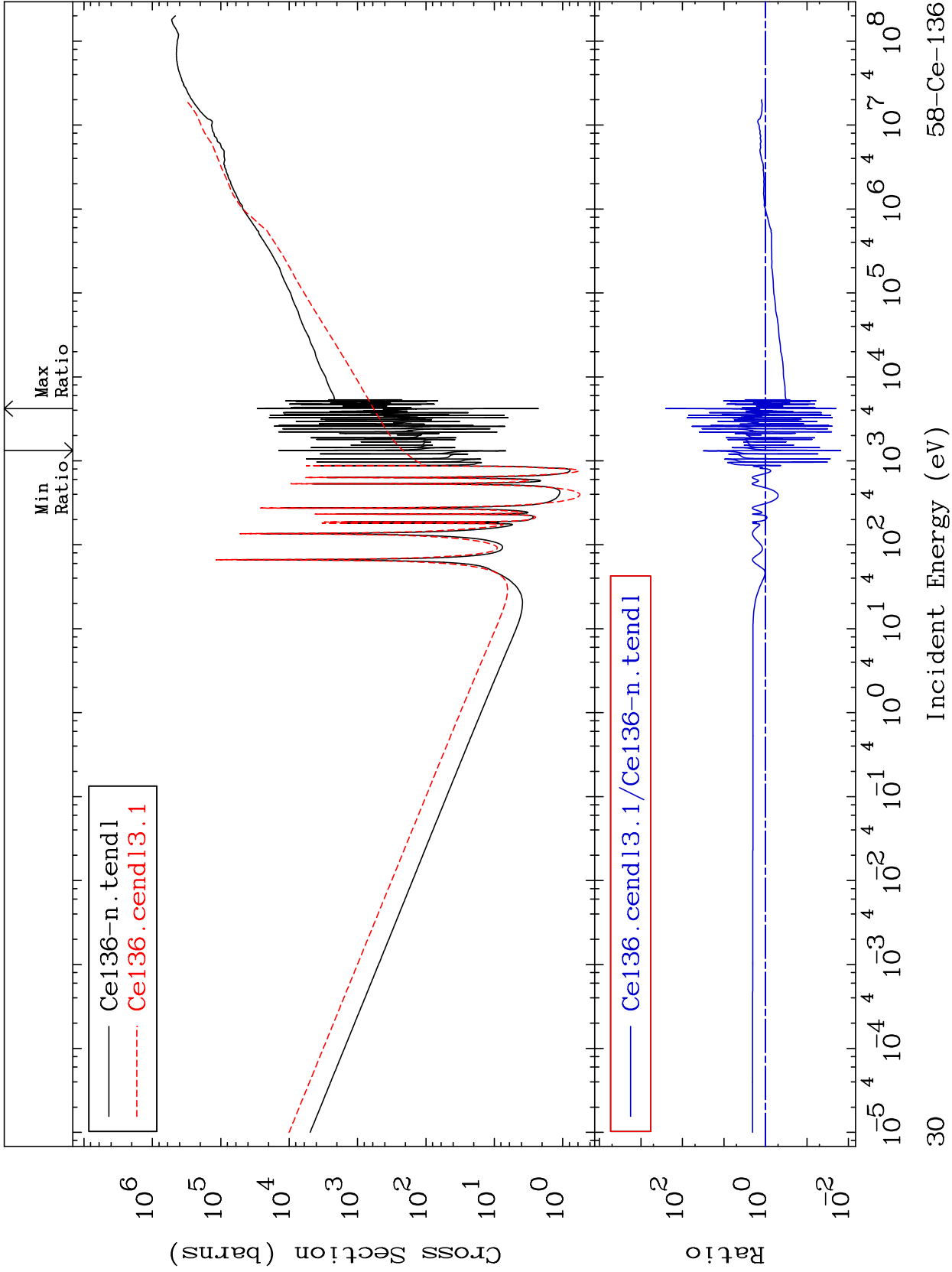
27

Incident Energy (eV)

58-Ce-136



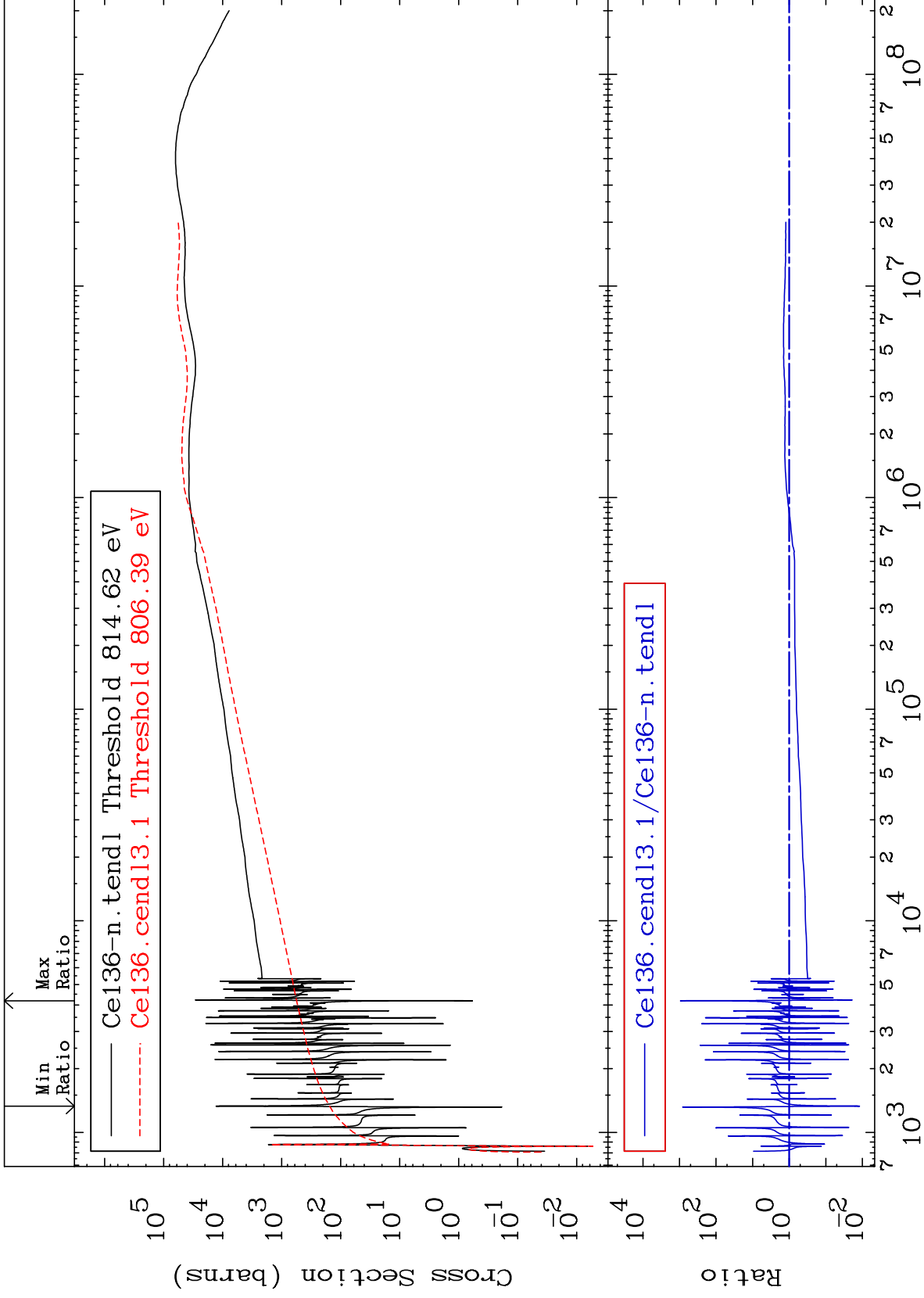




MAT 5825

Dpa elastic (mt2)  
Cross Section

58-Ce-136  
-98.80 To 9999. %



31

Incident Energy (eV)

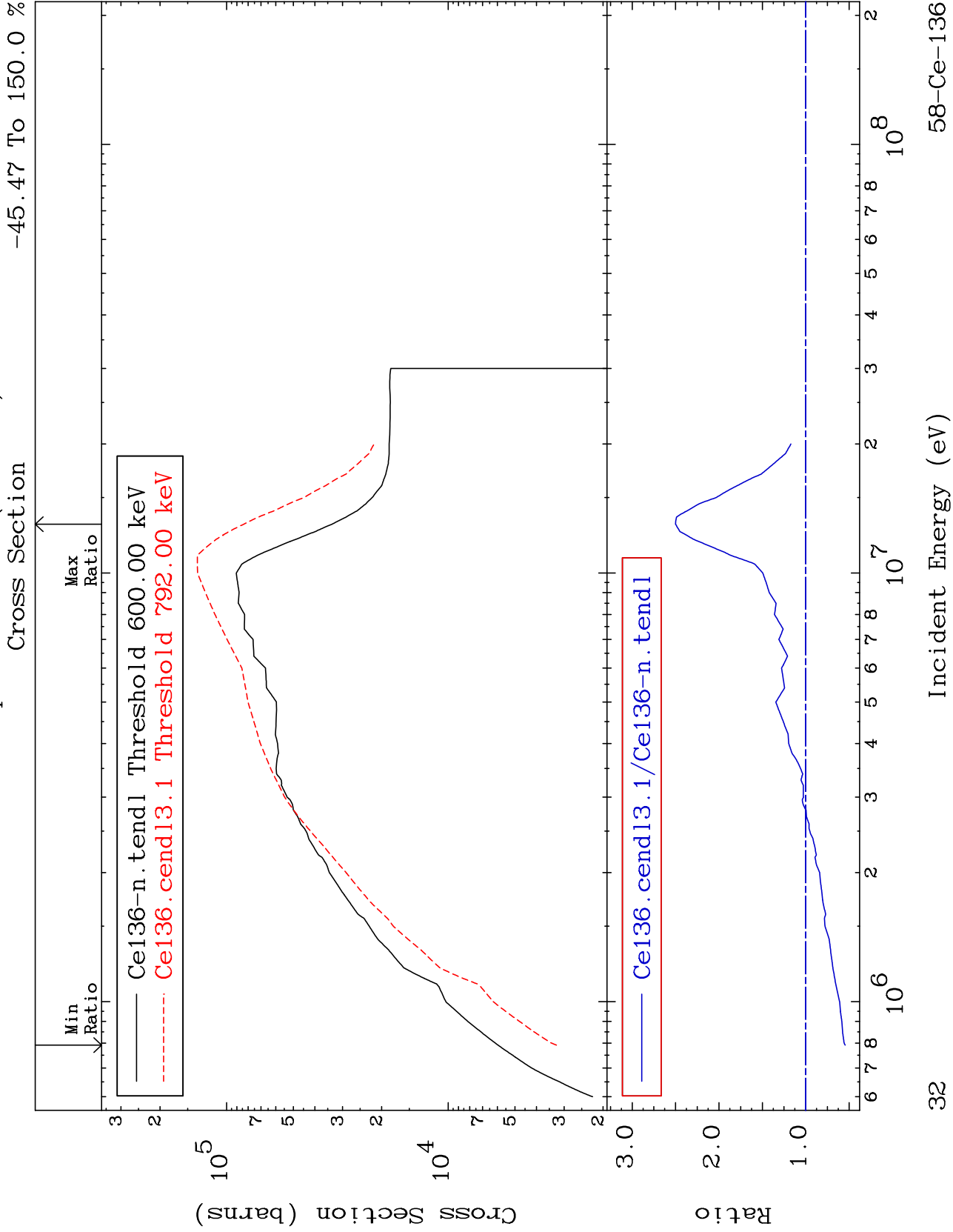
58-Ce-136

MAT 5825

Dpa inelastic (mt51-91)

58-Ce-136

-45.47 To 150.0 %



32

58-Ce-136



