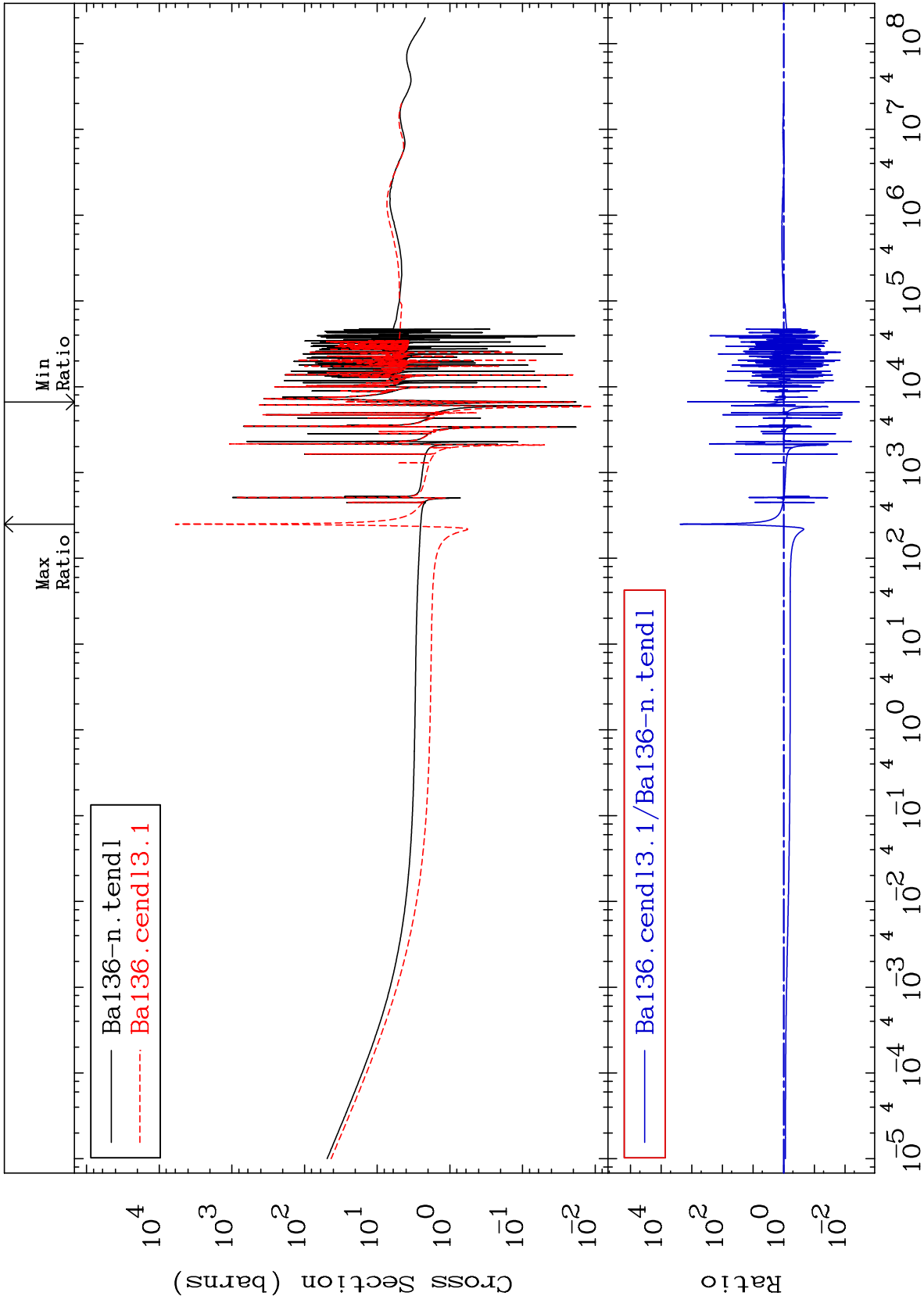


MAT 5643

Total Cross Section  
56-Ba-136  
-99.66 To 9999. %



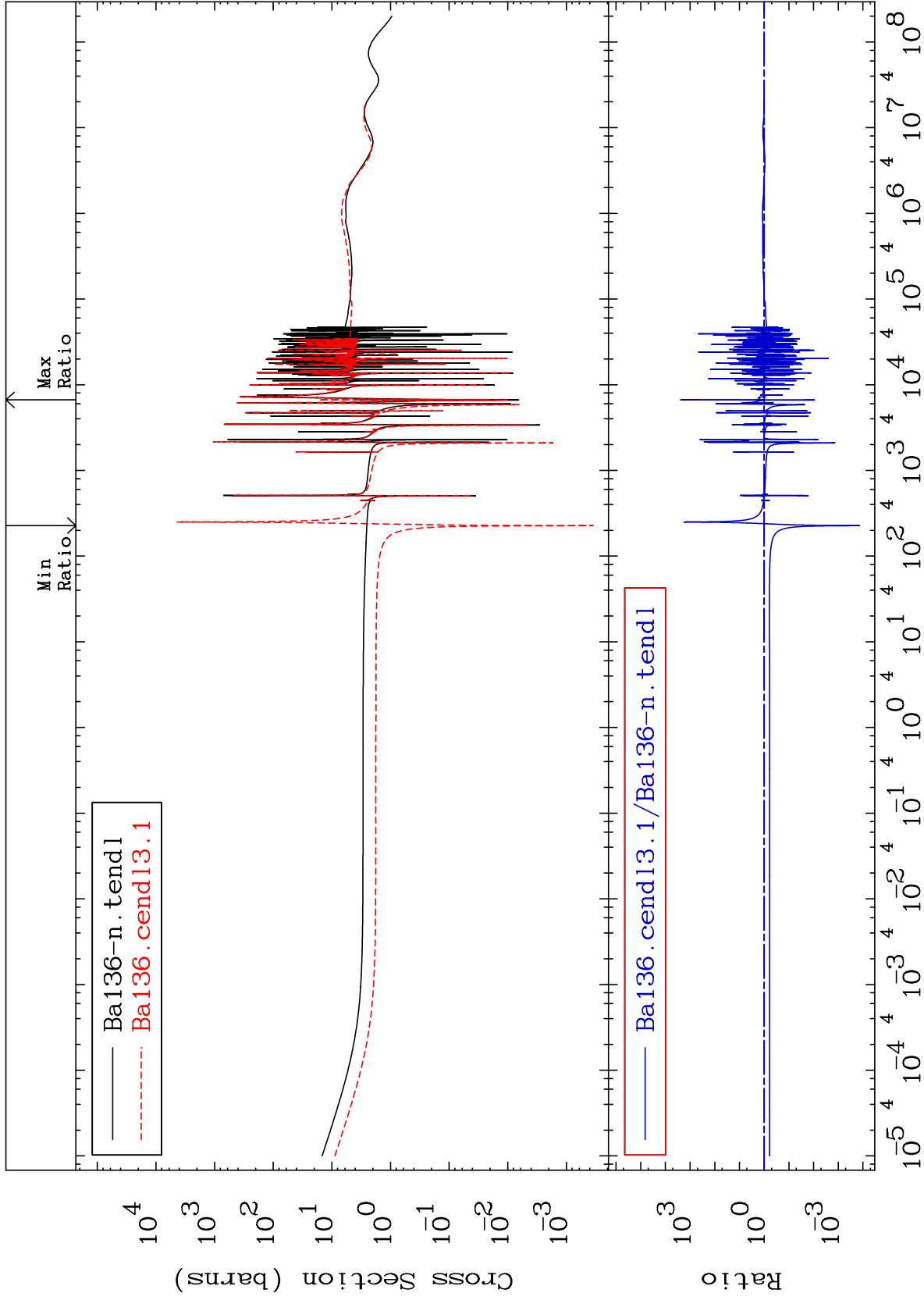
Incident Energy (eV)

56-Ba-136

MAT 5643

Elastic  
Cross Section

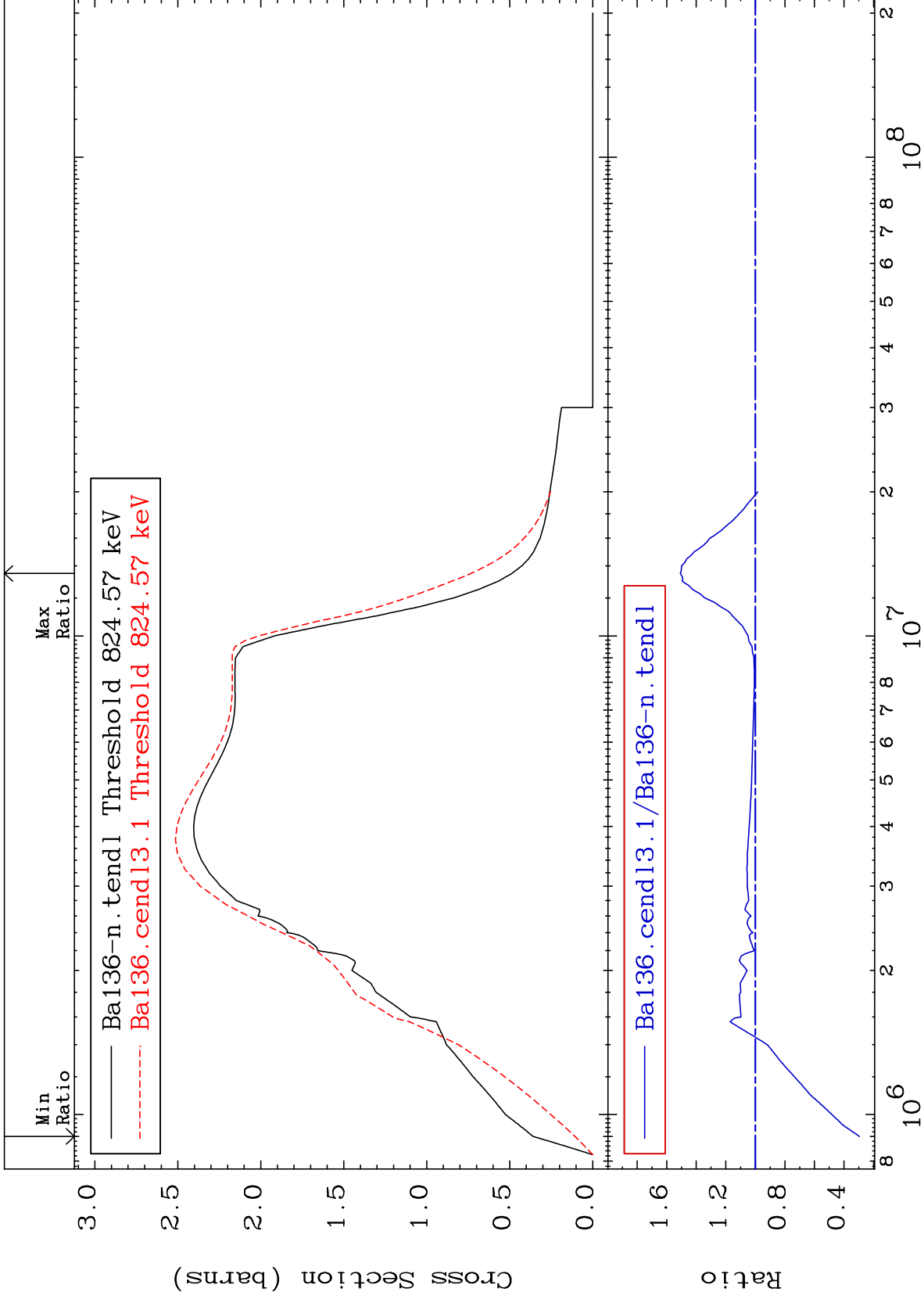
56-Ba-136  
-99.99 To 9999. %



MAT 5643

Inelastic  
Cross Section

56-Ba-136  
-70.42 To 50.76 %



Incident Energy (eV)

56-Ba-136

3

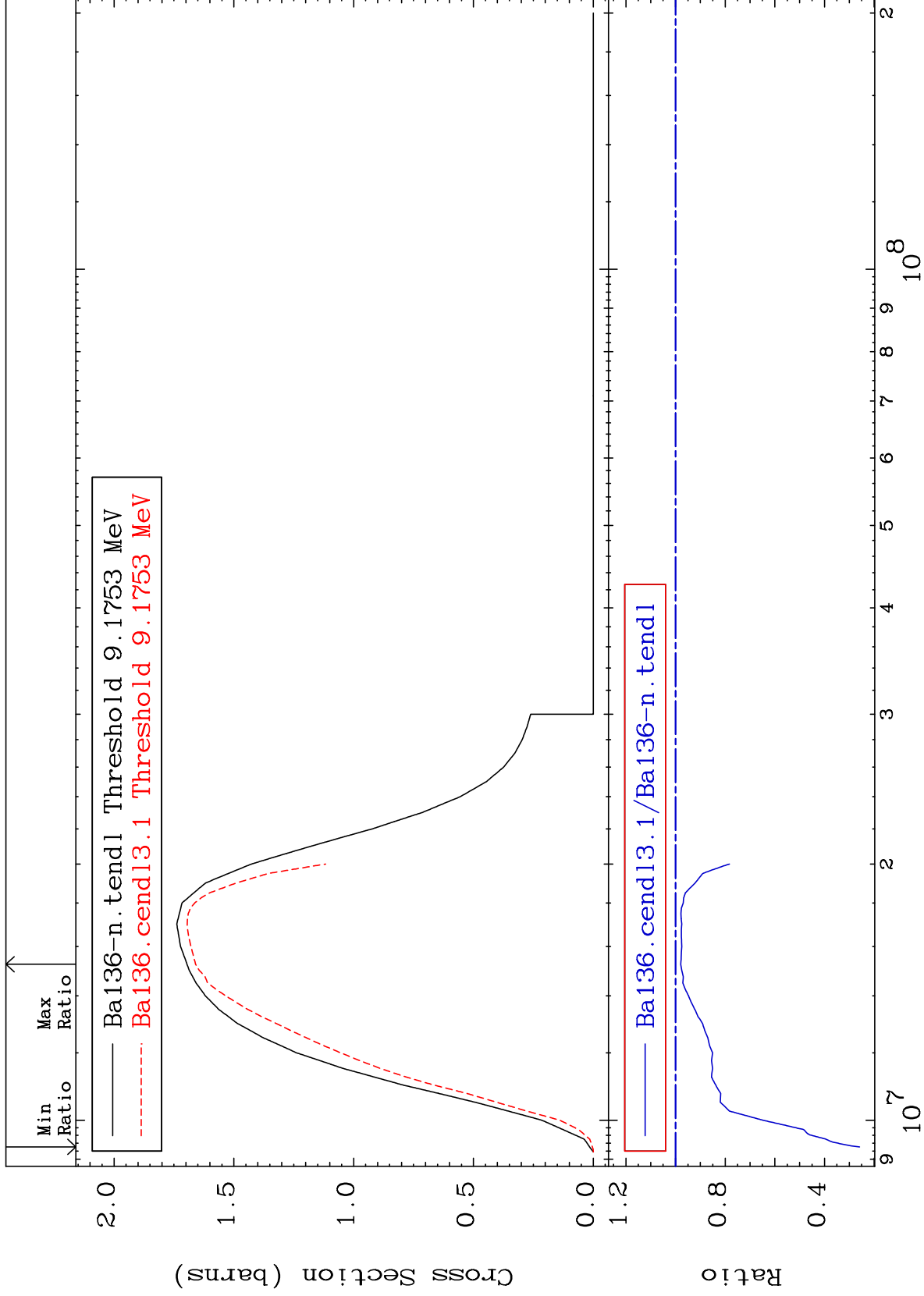
MAT 5643

(n,2n)

56-Ba-136

Cross Section

-74.13 To -2.113%



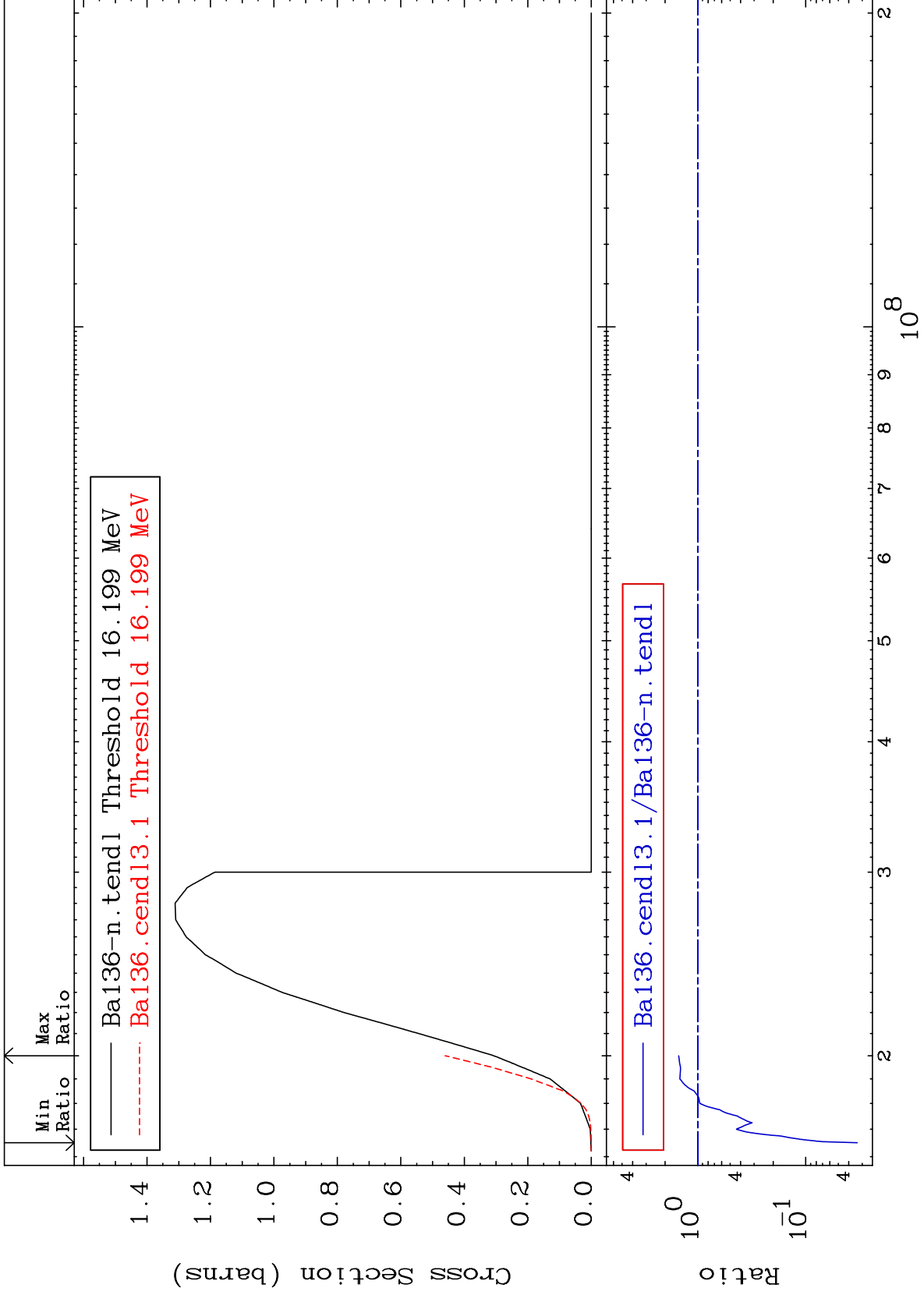
56-Ba-136

56-Ba-136

MAT 5643

(n,3n)  
Cross Section

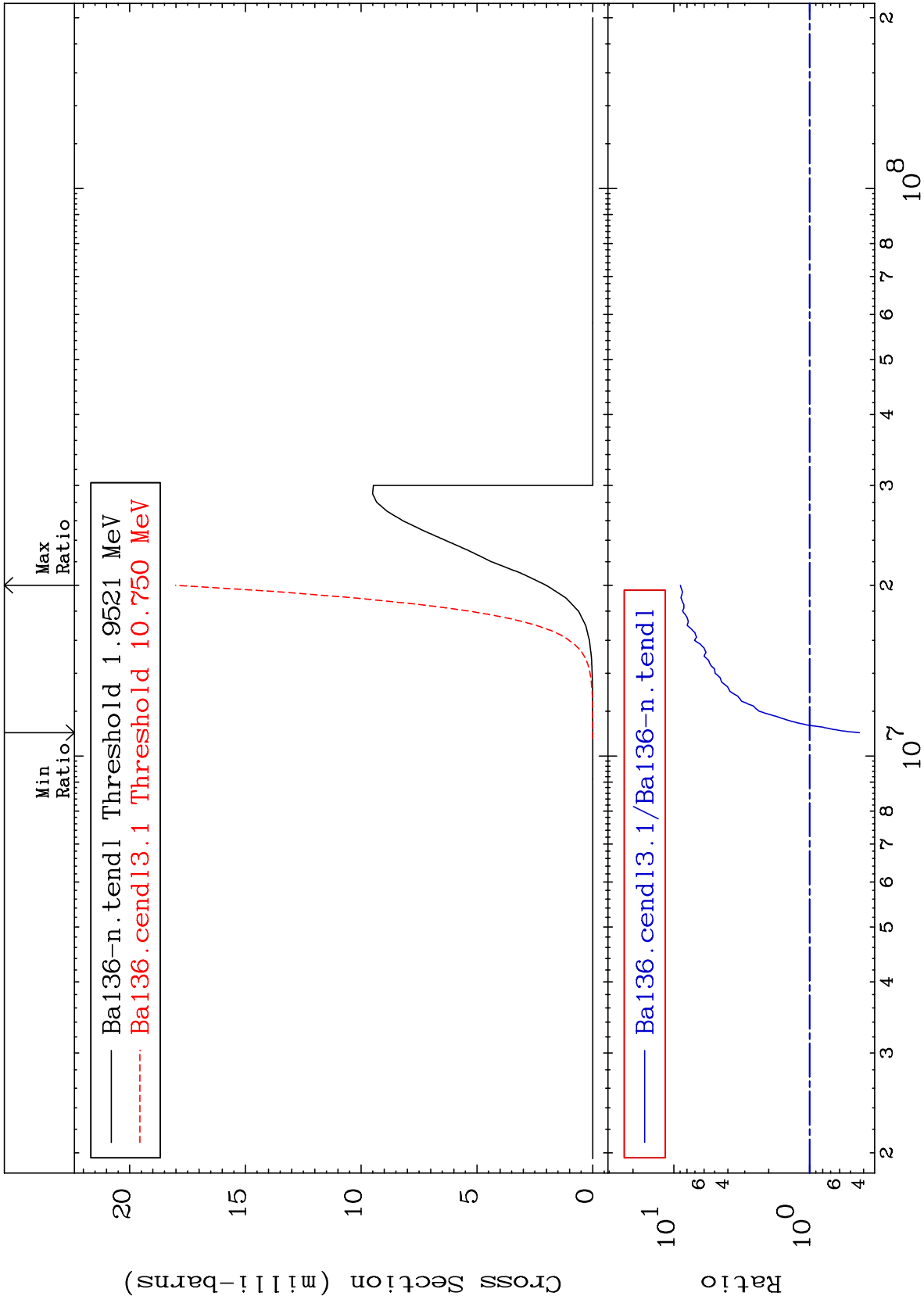
56-Ba-136  
-96.66 To 49.95 %



MAT 5643

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

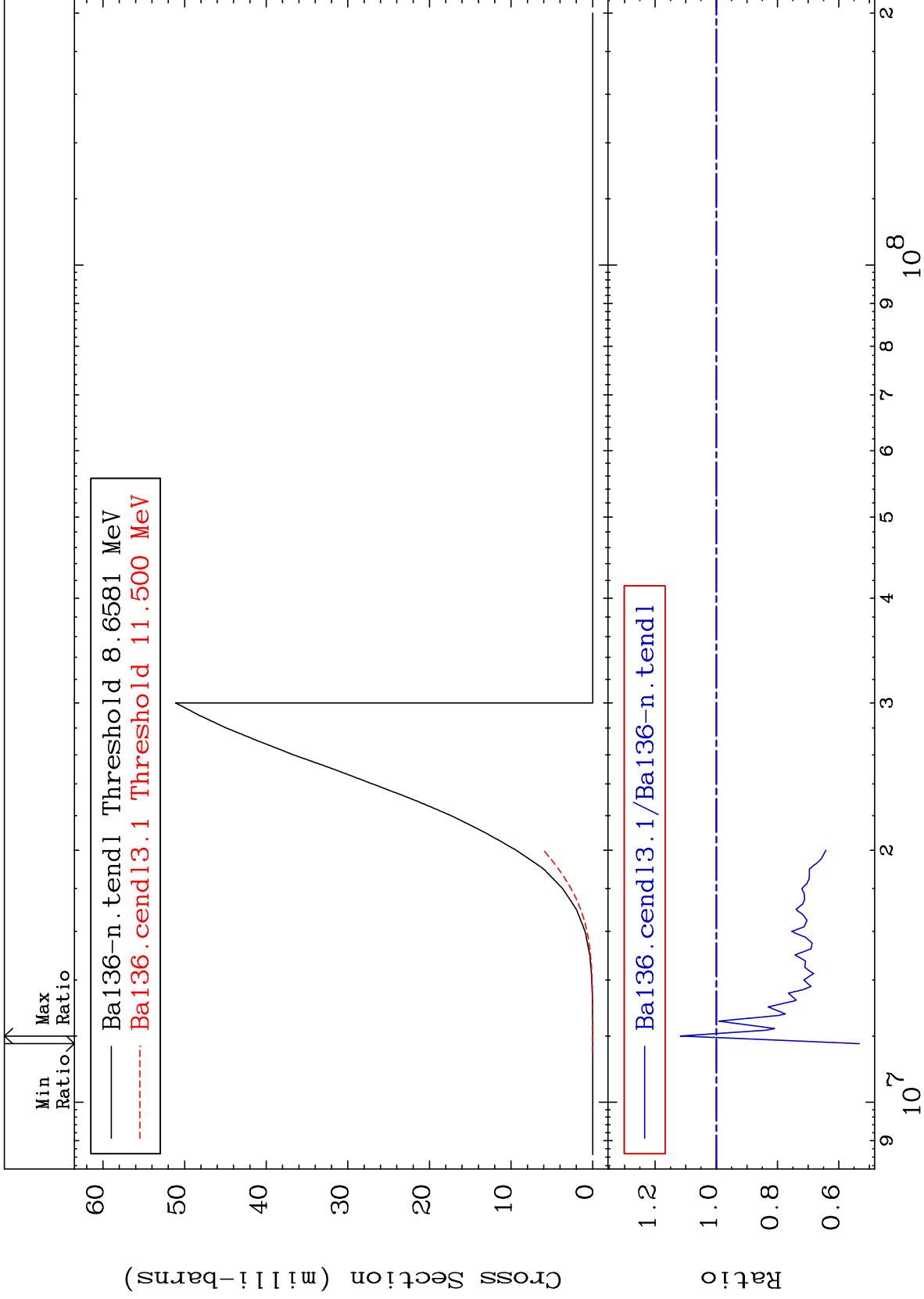
56-Ba-136  
-57.09 To 796.3 %



MAT 5643

(n, n') p  
Cross Section

56-Ba-136  
-46.75 To 11.76 %



7

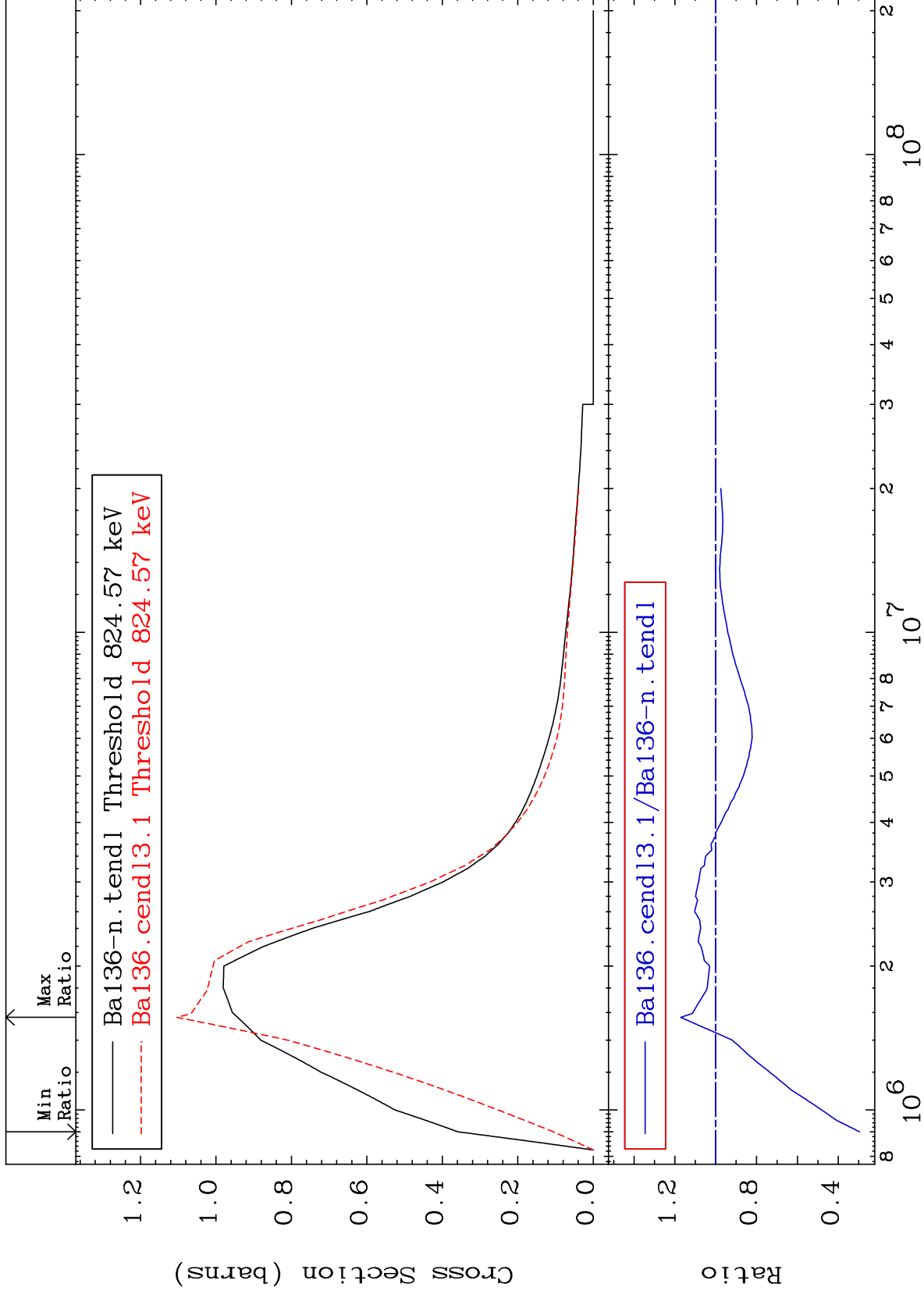
Incident Energy (eV)

56-Ba-136

MAT 5643

818.5 keV (n,n') Level  
Cross Section

56-Ba-136  
-70.42 To 17.13 %



56-Ba-136

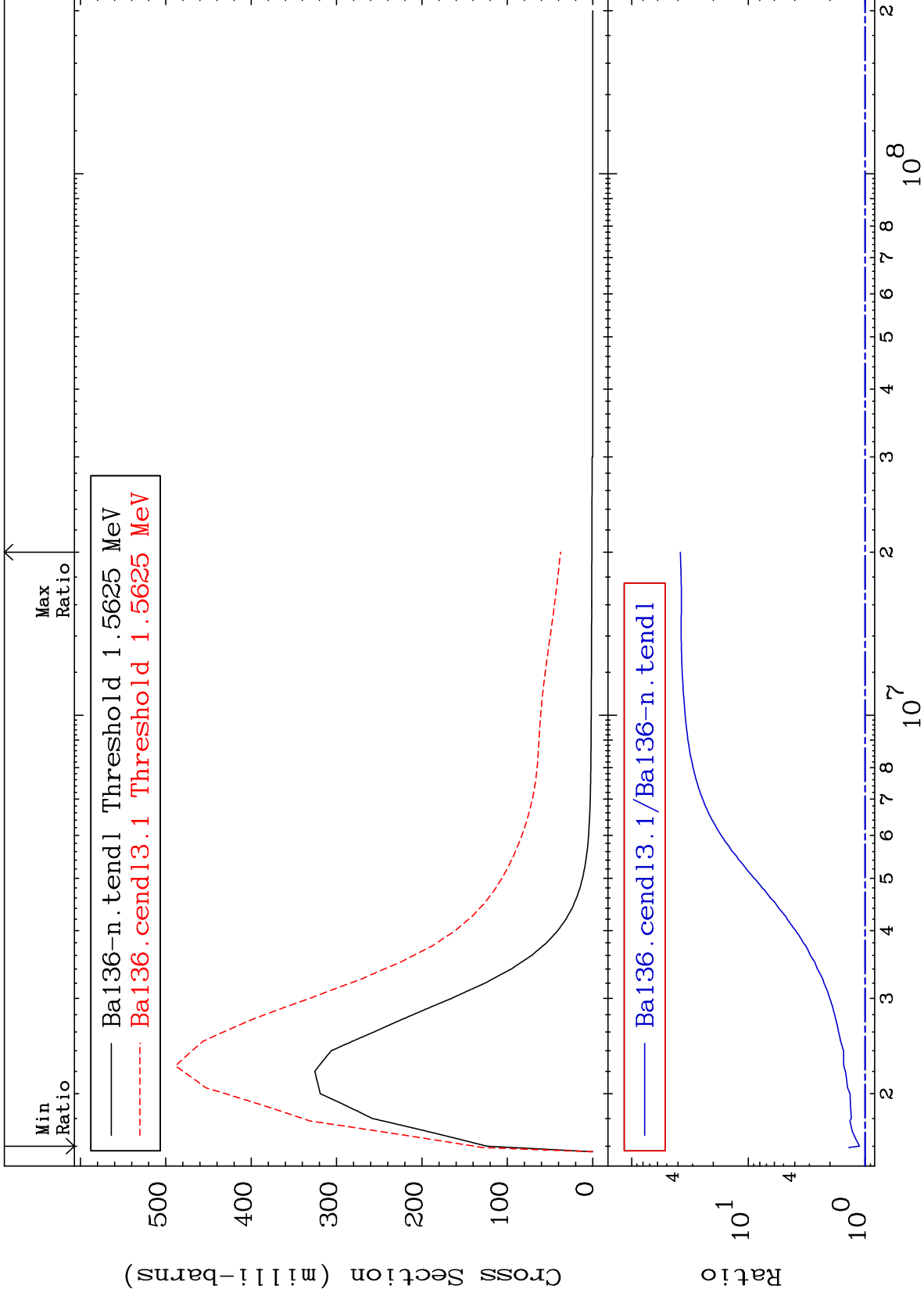
8



MAT 5643

1.551 MeV (n,n') Level  
Cross Section

56-Ba-136  
11.87 To 3726. %



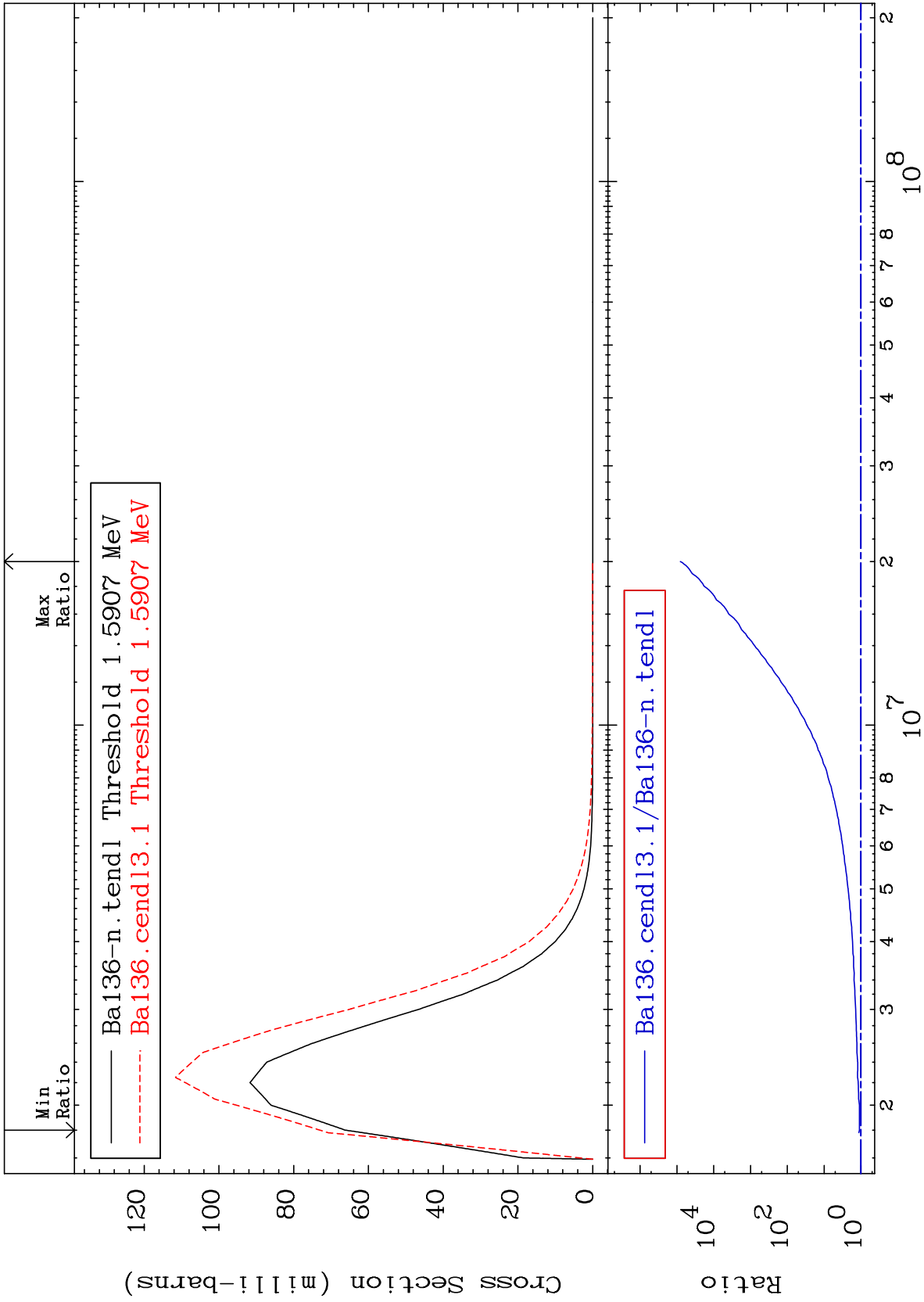
MAT 5643

1.579 MeV (n,n') Level

56-Ba-136

10.21 To 9999. %

Cross Section



10

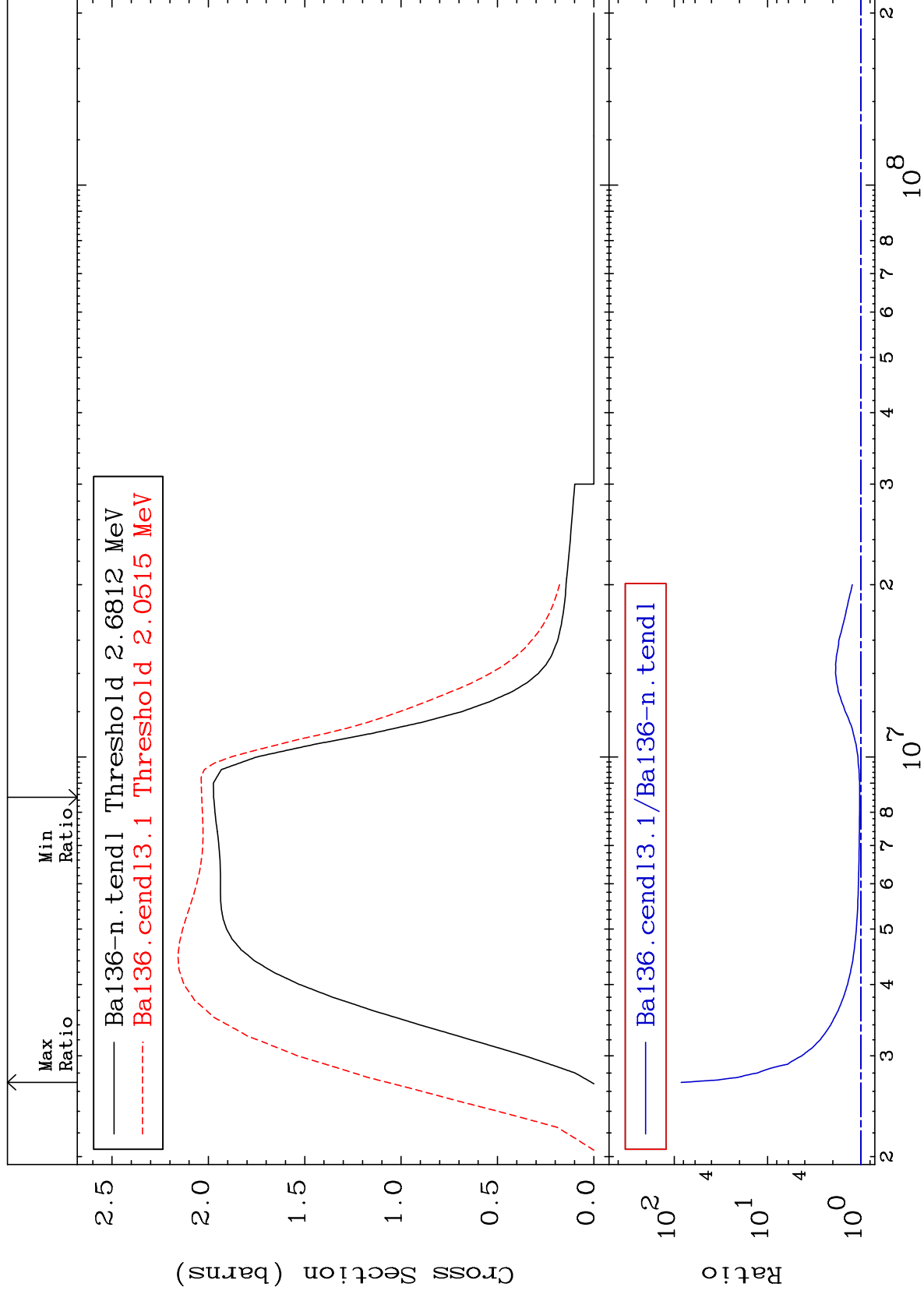
Incident Energy (eV)

56-Ba-136

MAT 5643

(n, n') Continuum  
Cross Section

56-Ba-136  
3.124 To 8333. %



11

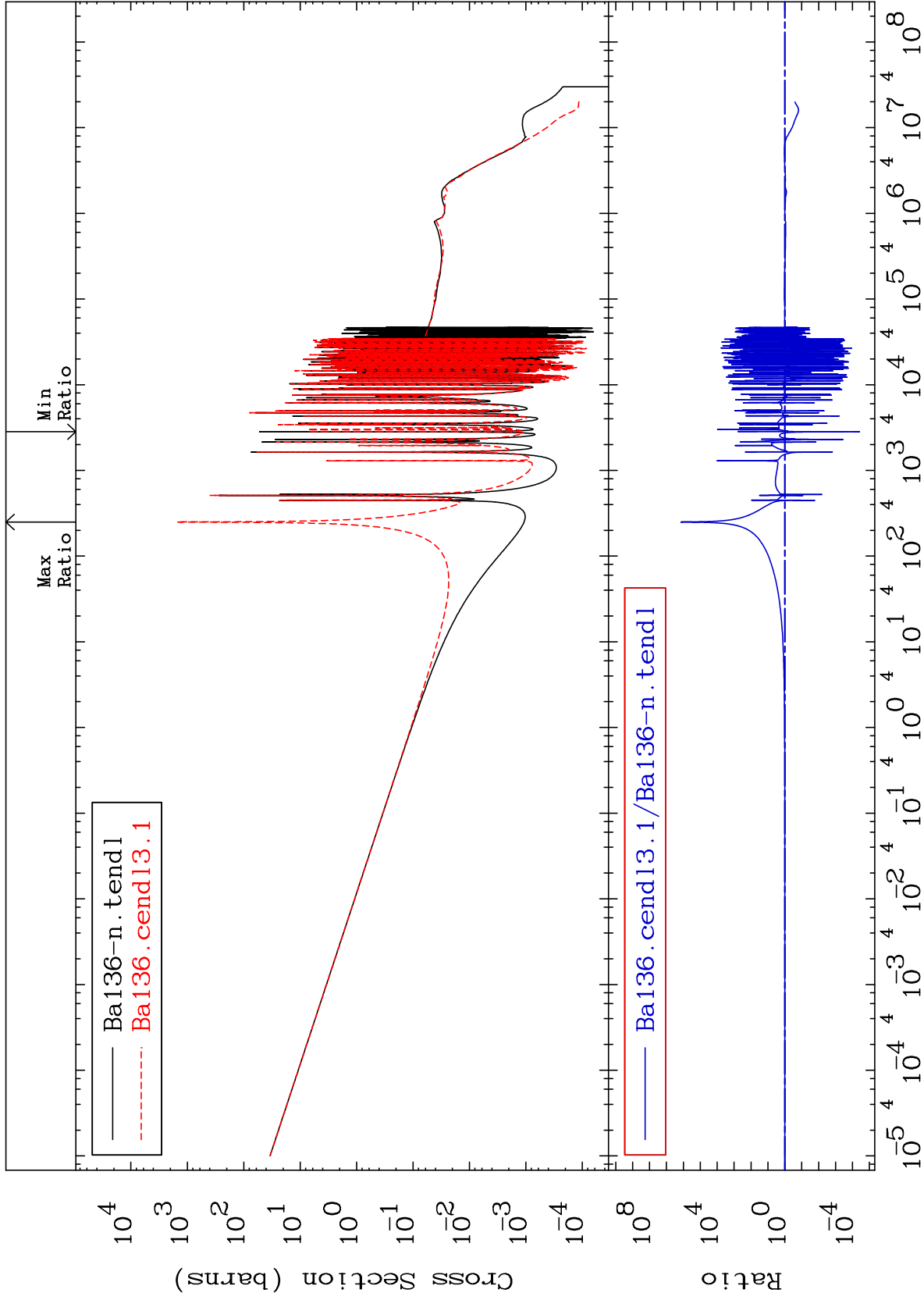
Incident Energy (eV)

56-Ba-136

MAT 5643

(n,  $\gamma$ )  
Cross Section

56-Ba-136  
-100.0 To 9999. %



Incident Energy (eV)

56-Ba-136

12

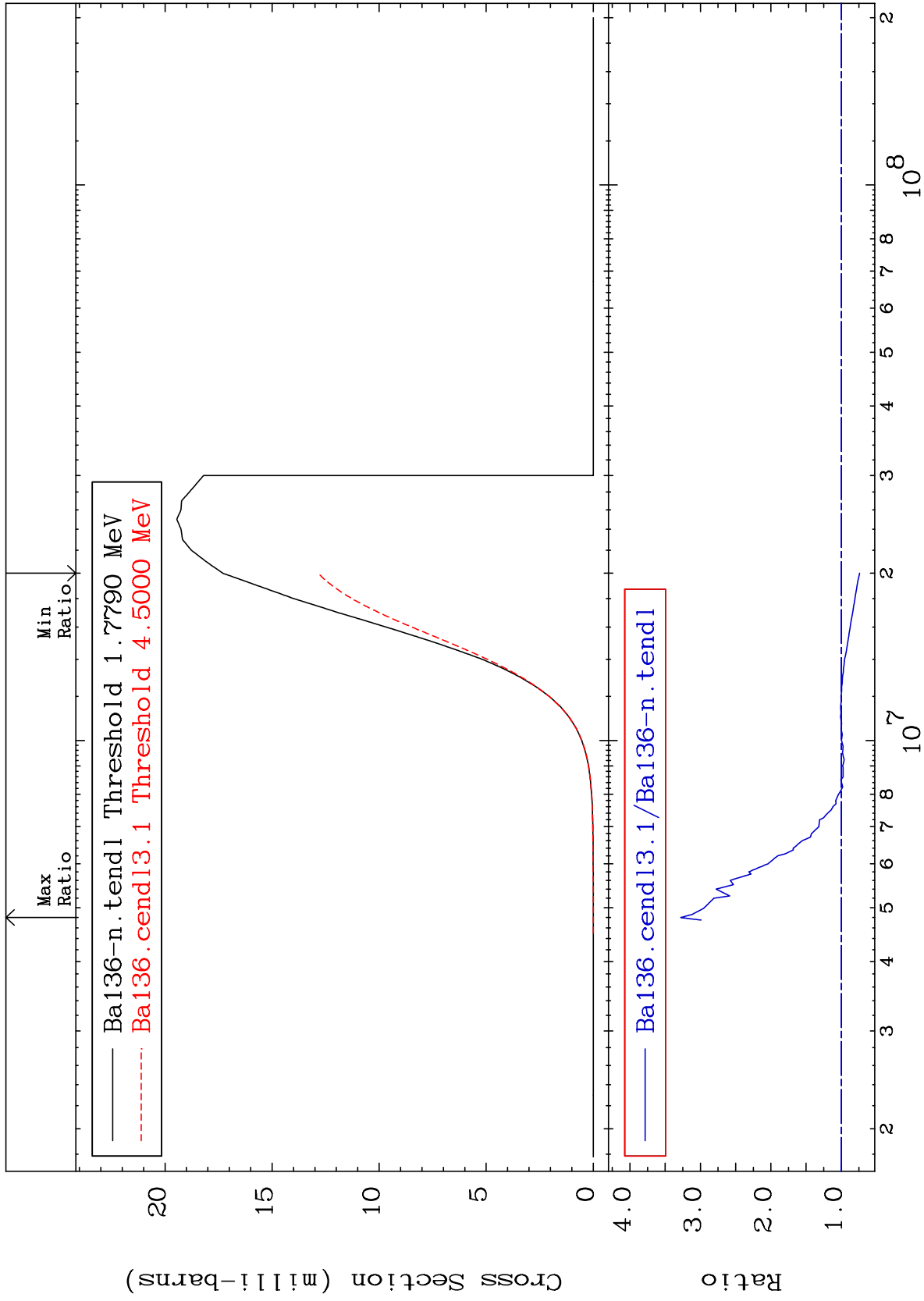
MAT 5643

(n,p)

56-Ba-136

Cross Section

-25.77 To 227.9 %



13

Incident Energy (eV)

56-Ba-136

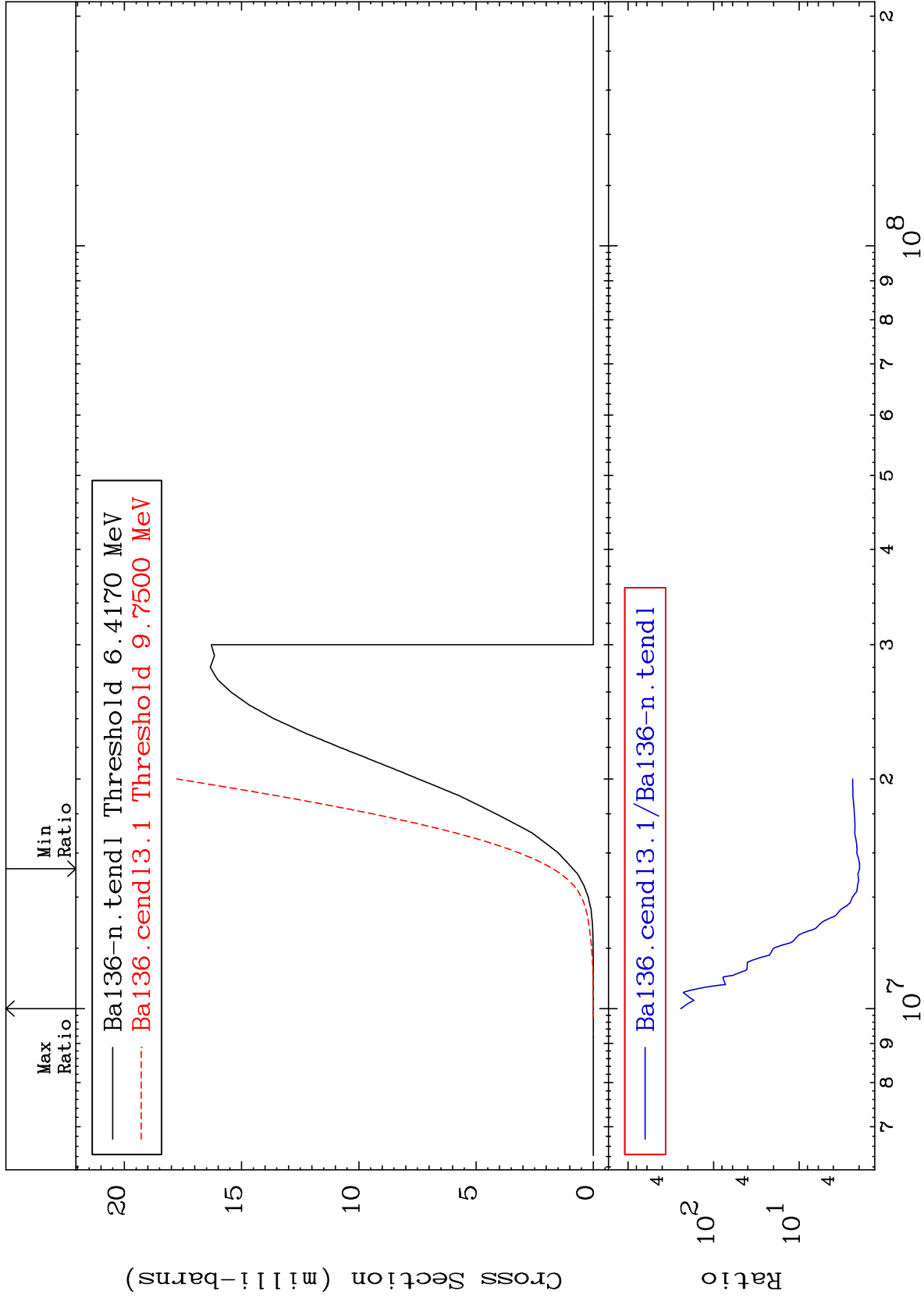
MAT 5643

(n, d)

56-Ba-136

Cross Section

97.50 To 9999. %



14

Incident Energy (eV)

56-Ba-136

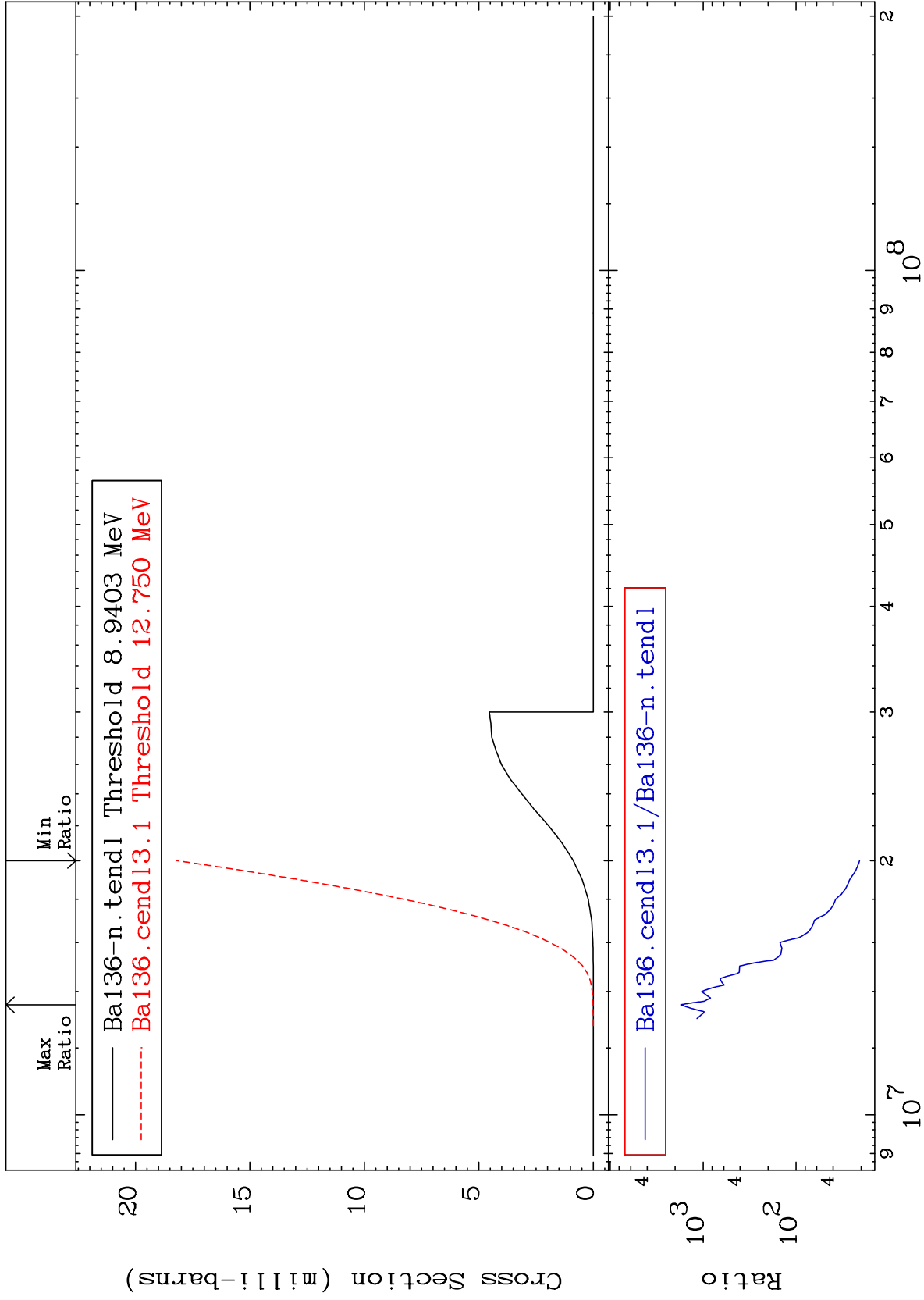
MAT 5643

(n, t)

56-Ba-136

Cross Section

1980. To 9999. %



15

Incident Energy (eV)

56-Ba-136

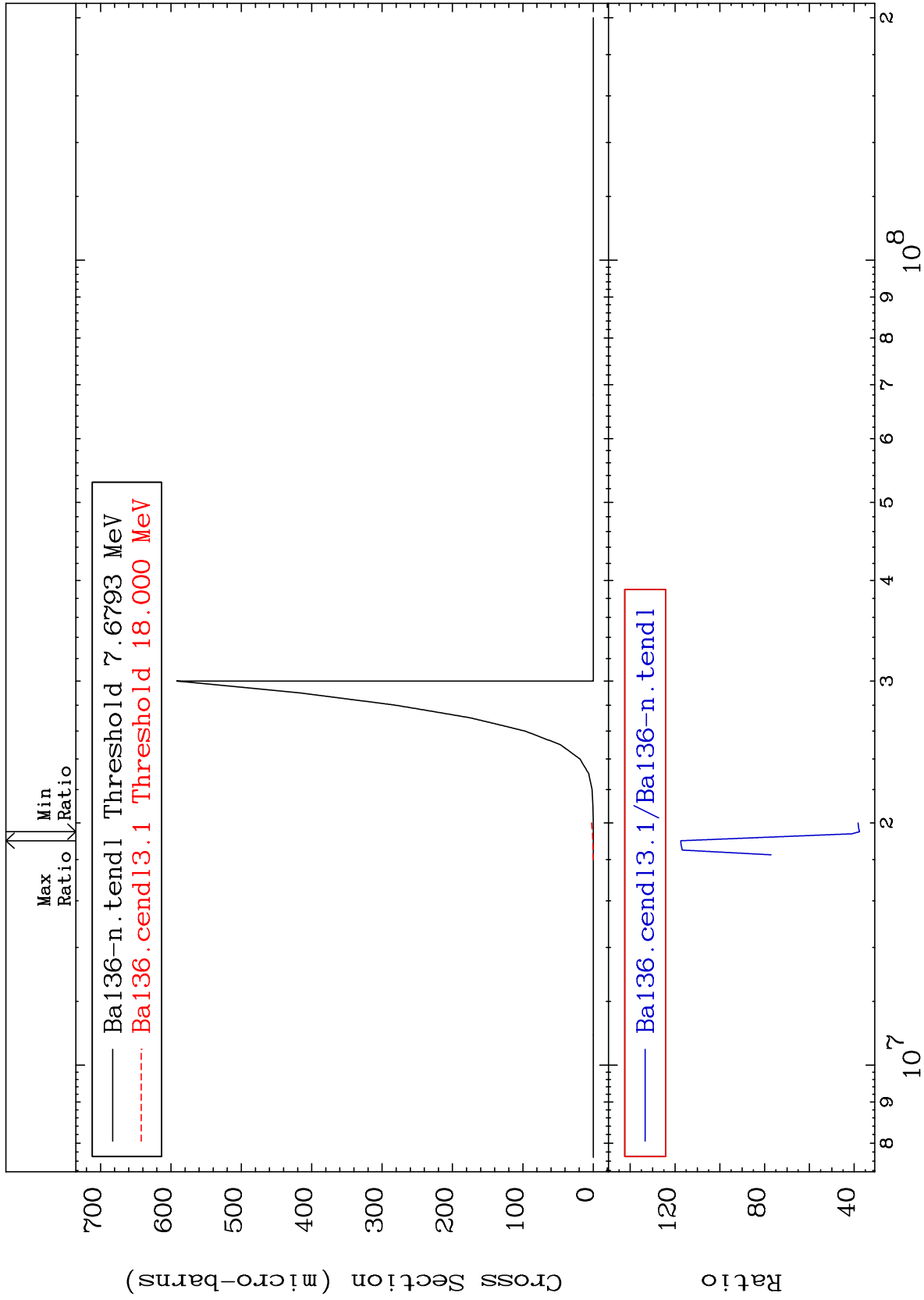
MAT 5643

(n, He-3)

56-Ba-136

Cross Section

To 9999. %



16

Incident Energy (eV)

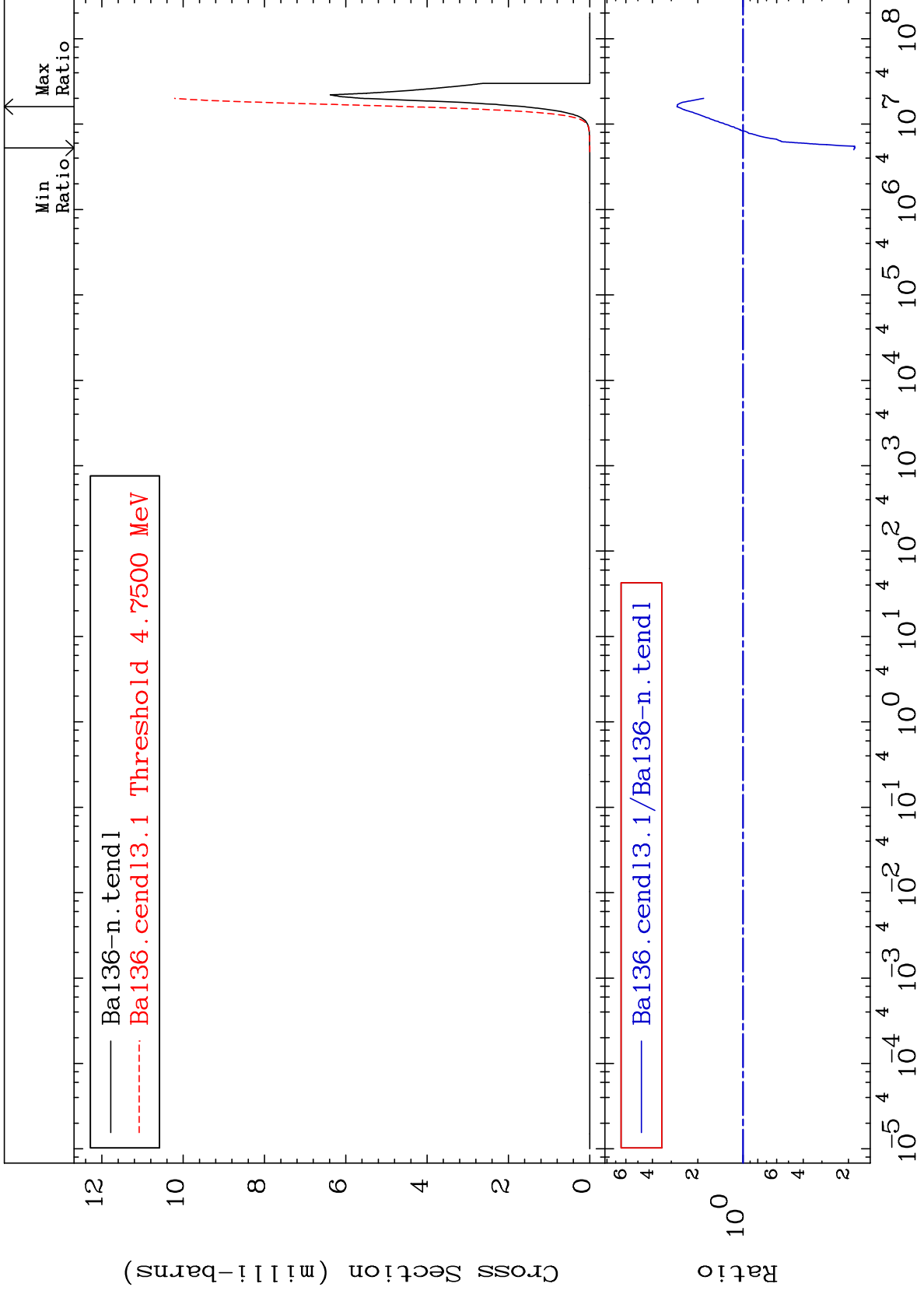
56-Ba-136



MAT 5643

(n,  $\alpha$ )  
Cross Section

56-Ba-136  
-81.91 To 175.0 %



17

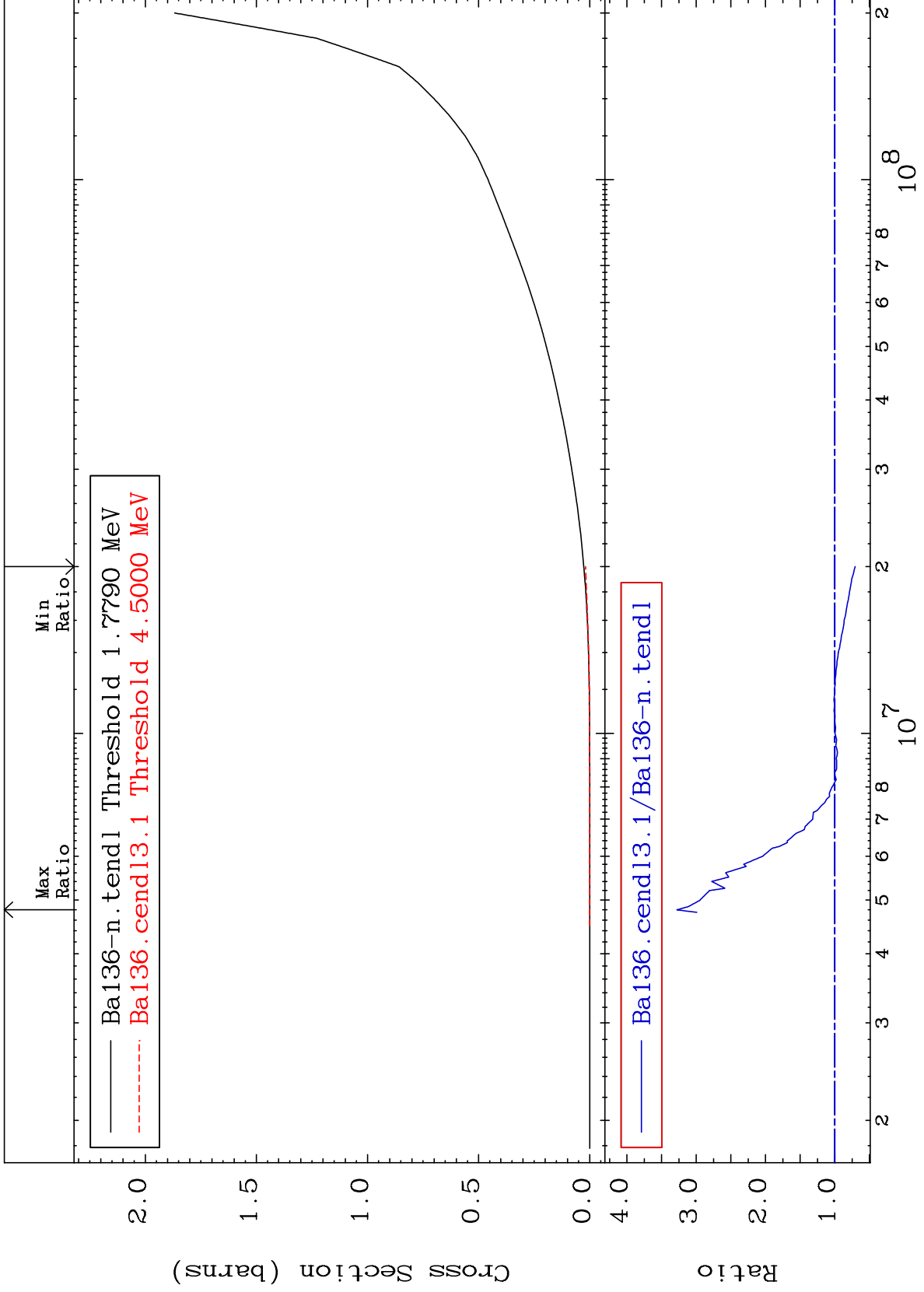
Incident Energy (eV)

56-Ba-136

MAT 5643

Hydrogen Production  
Cross Section

56-Ba-136  
-29.28 To 227.9 %



18

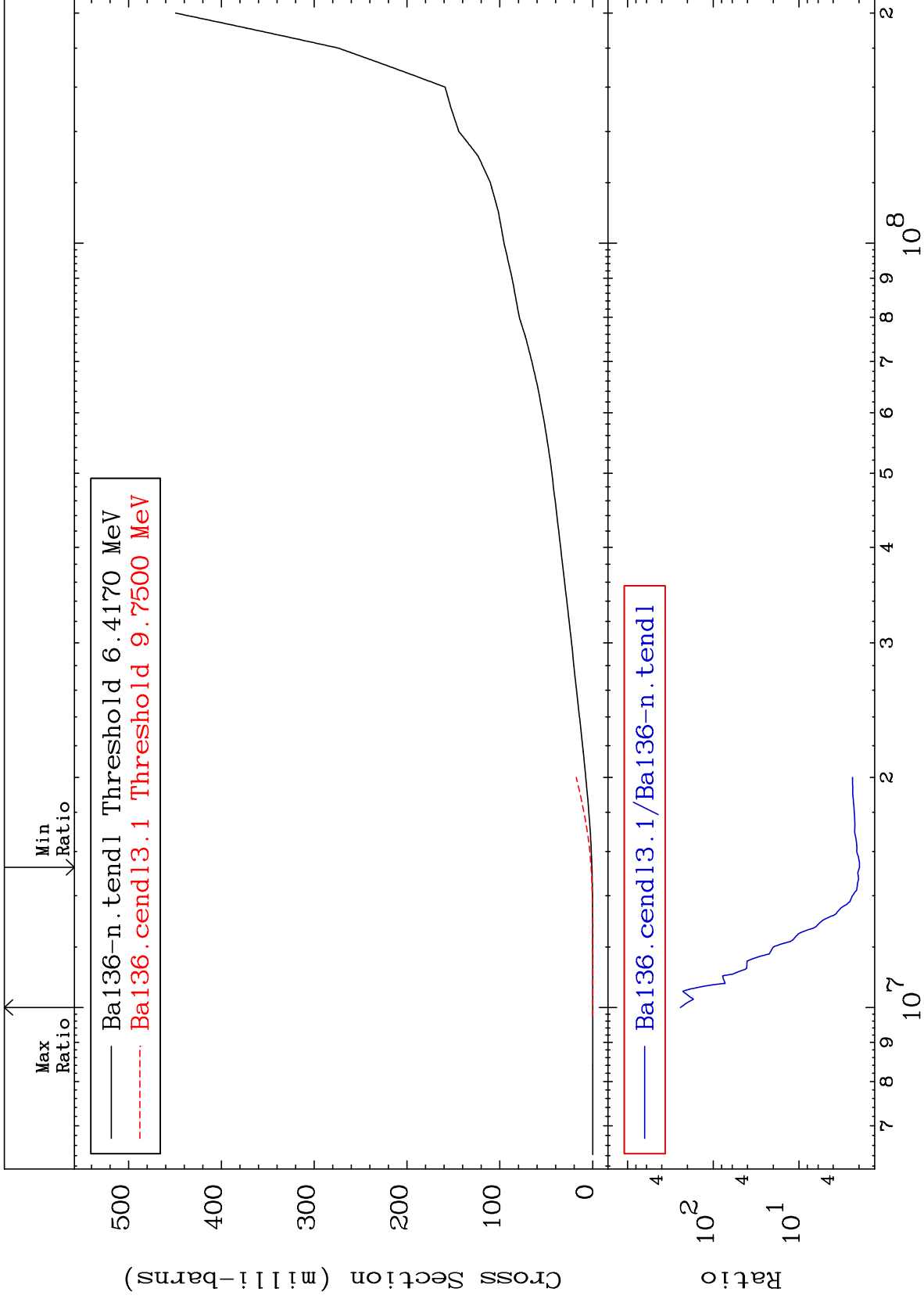
Incident Energy (eV)

56-Ba-136

MAT 5643

Deuterium Production  
Cross Section

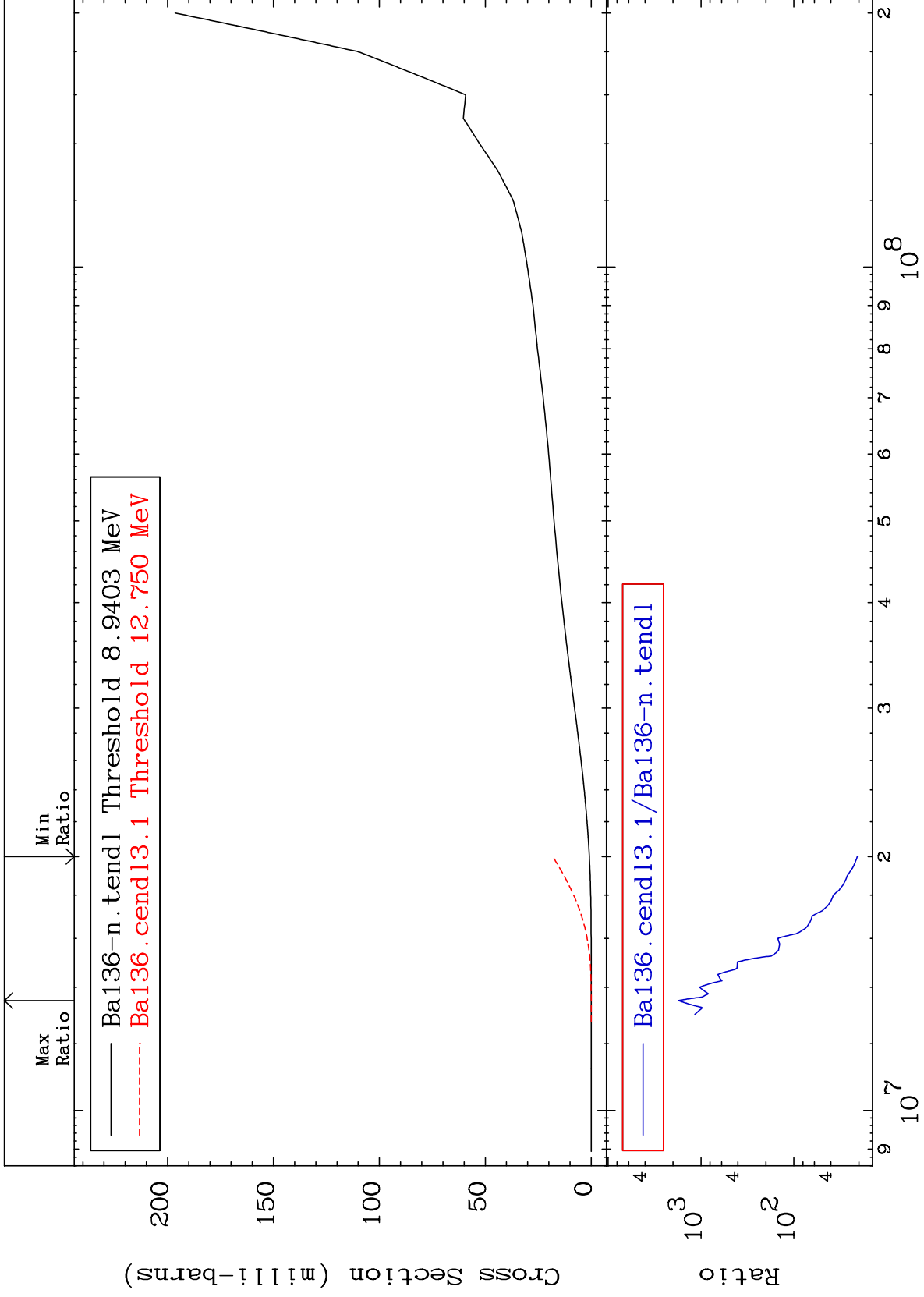
56-Ba-136  
To 9999. %



MAT 5643

Tritium Production  
Cross Section

56-Ba-136  
1980. To 9999. %



20

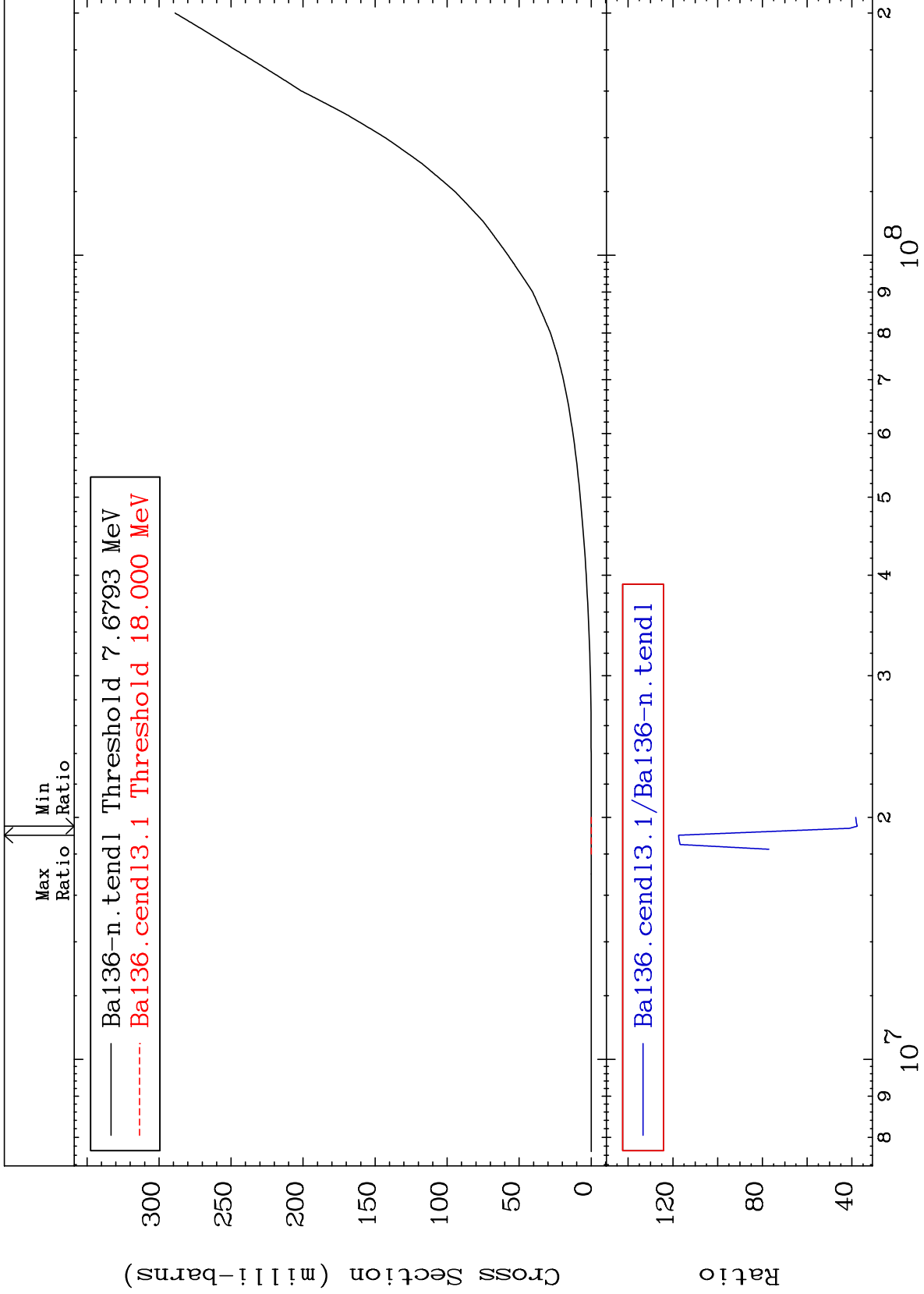
Incident Energy (eV)

56-Ba-136

MAT 5643

He-3 Production  
Cross Section

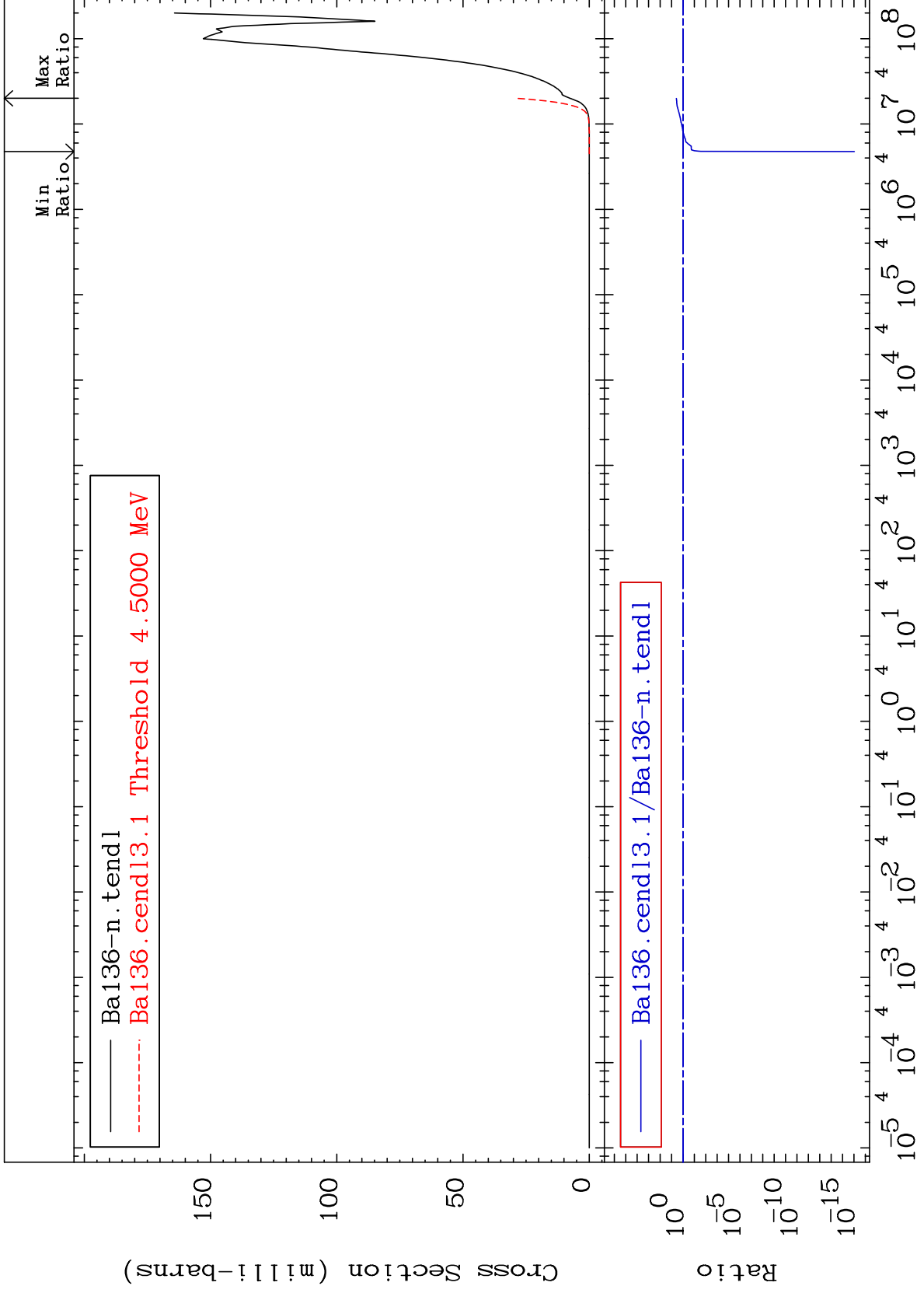
56-Ba-136  
3663. To 9999. %



MAT 5643

He-4 Production  
Cross Section

56-Ba-136  
-100.0 To 271.5 %



Incident Energy (eV)

22

56-Ba-136

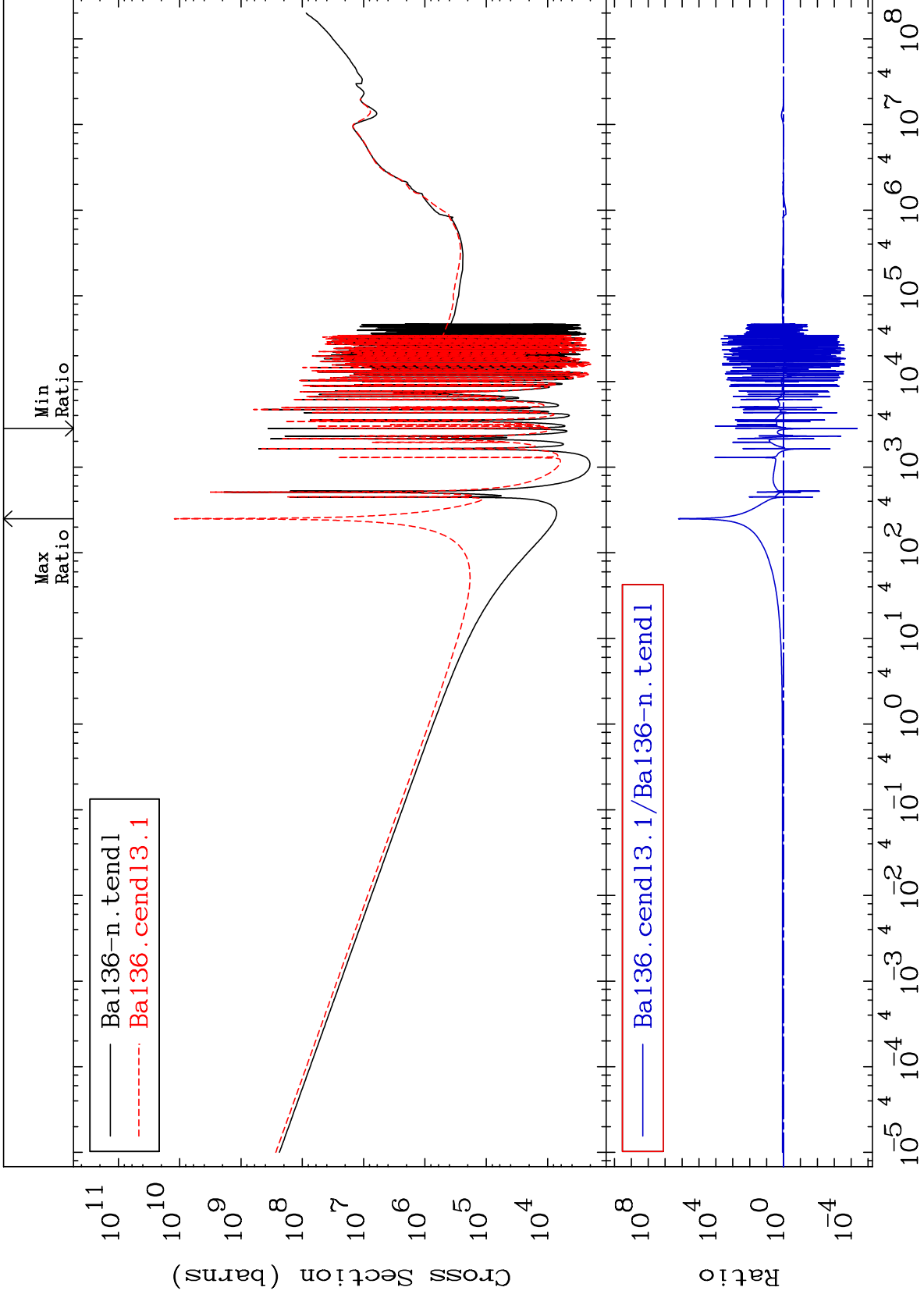
MAT 5643

Kerma total (eV-barns)

56-Ba-136

-100.0 To 9999. %

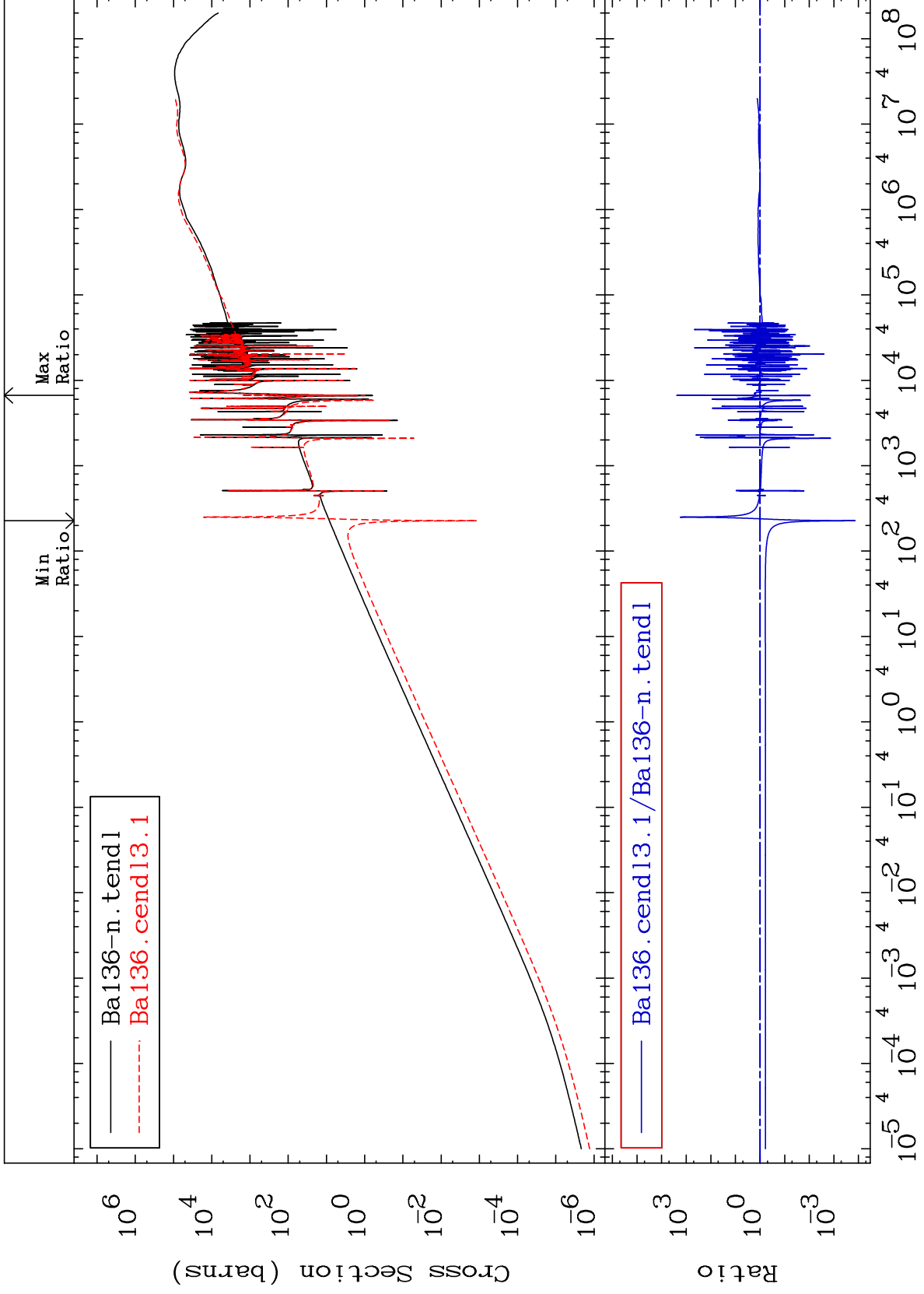
Cross Section



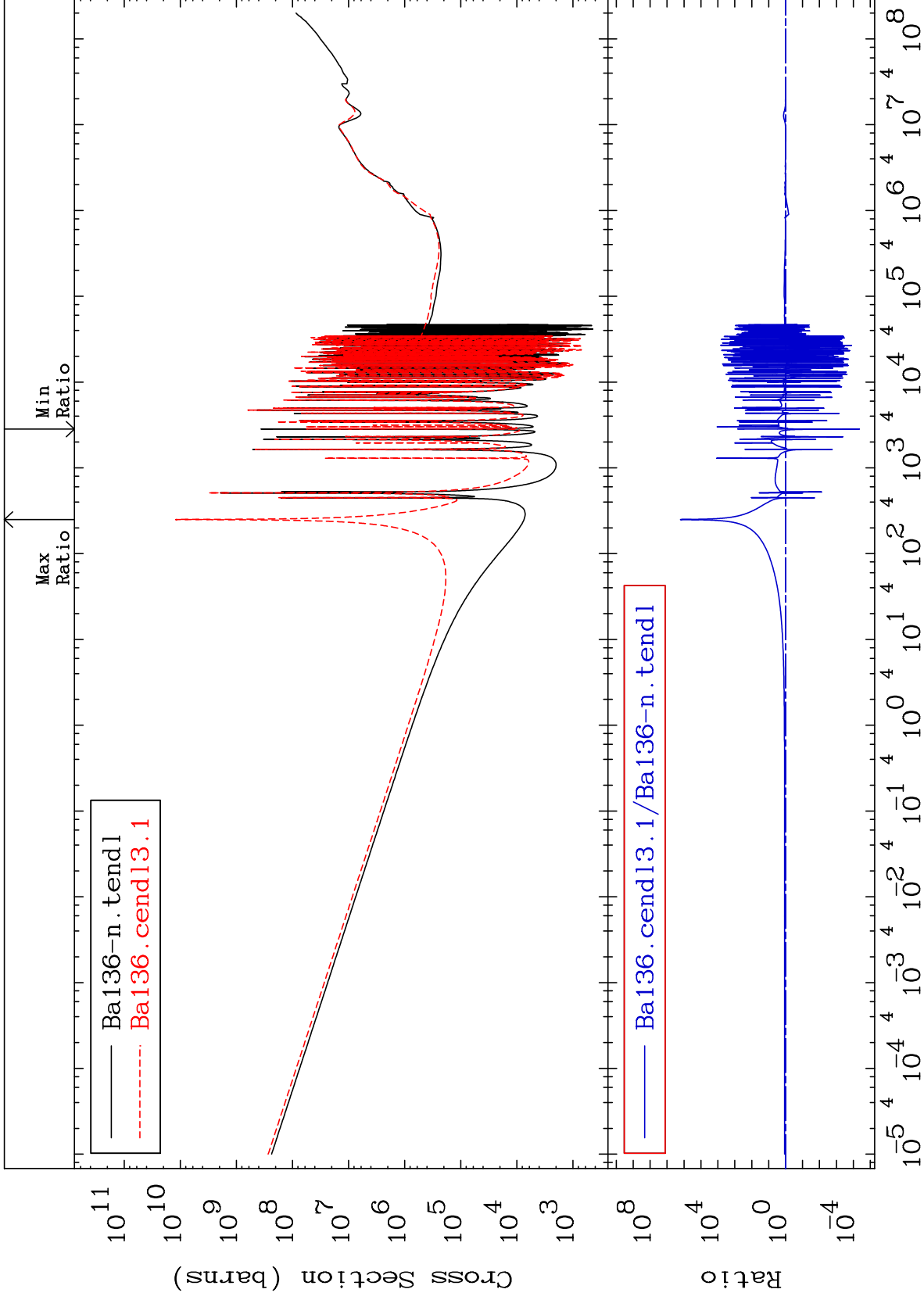
MAT 5643

Kerma elastic  
Cross Section

56-Ba-136  
-99.99 To 9999. %



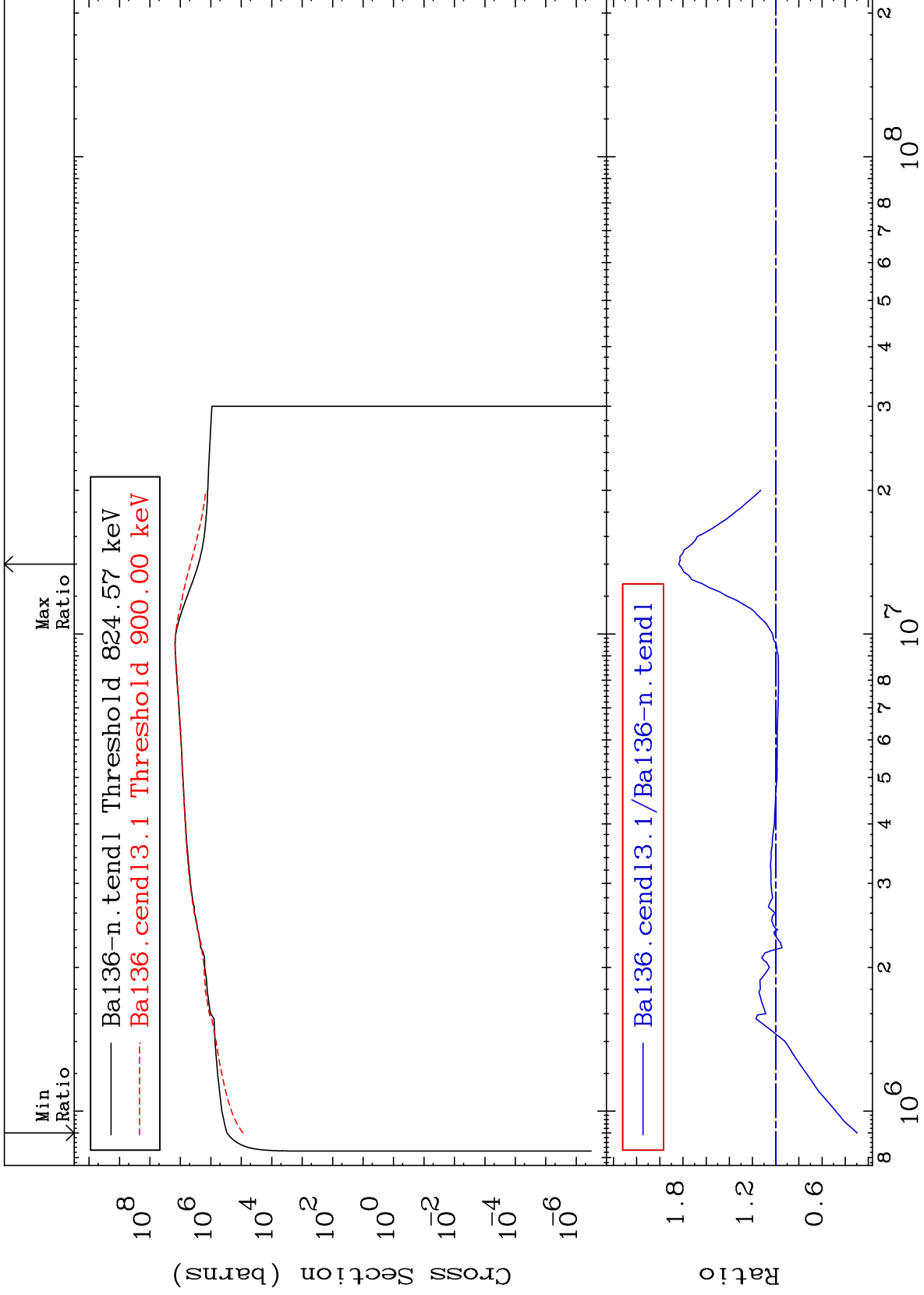




MAT 5643

Kerma inelastic (mt51-91)  
Cross Section

56-Ba-136  
-70.42 To 83.76 %



26

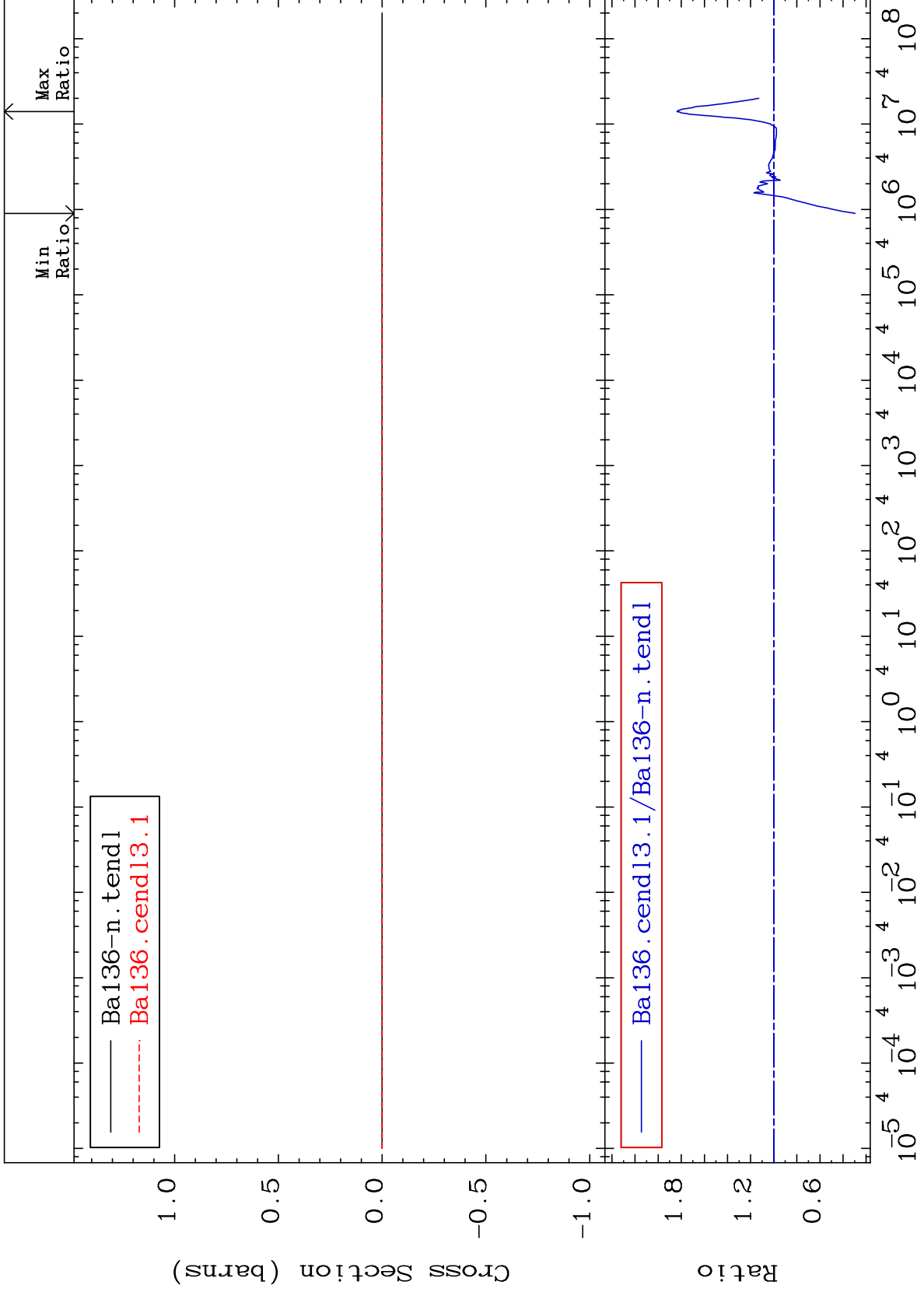
Incident Energy (eV)

56-Ba-136

MAT 5643

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

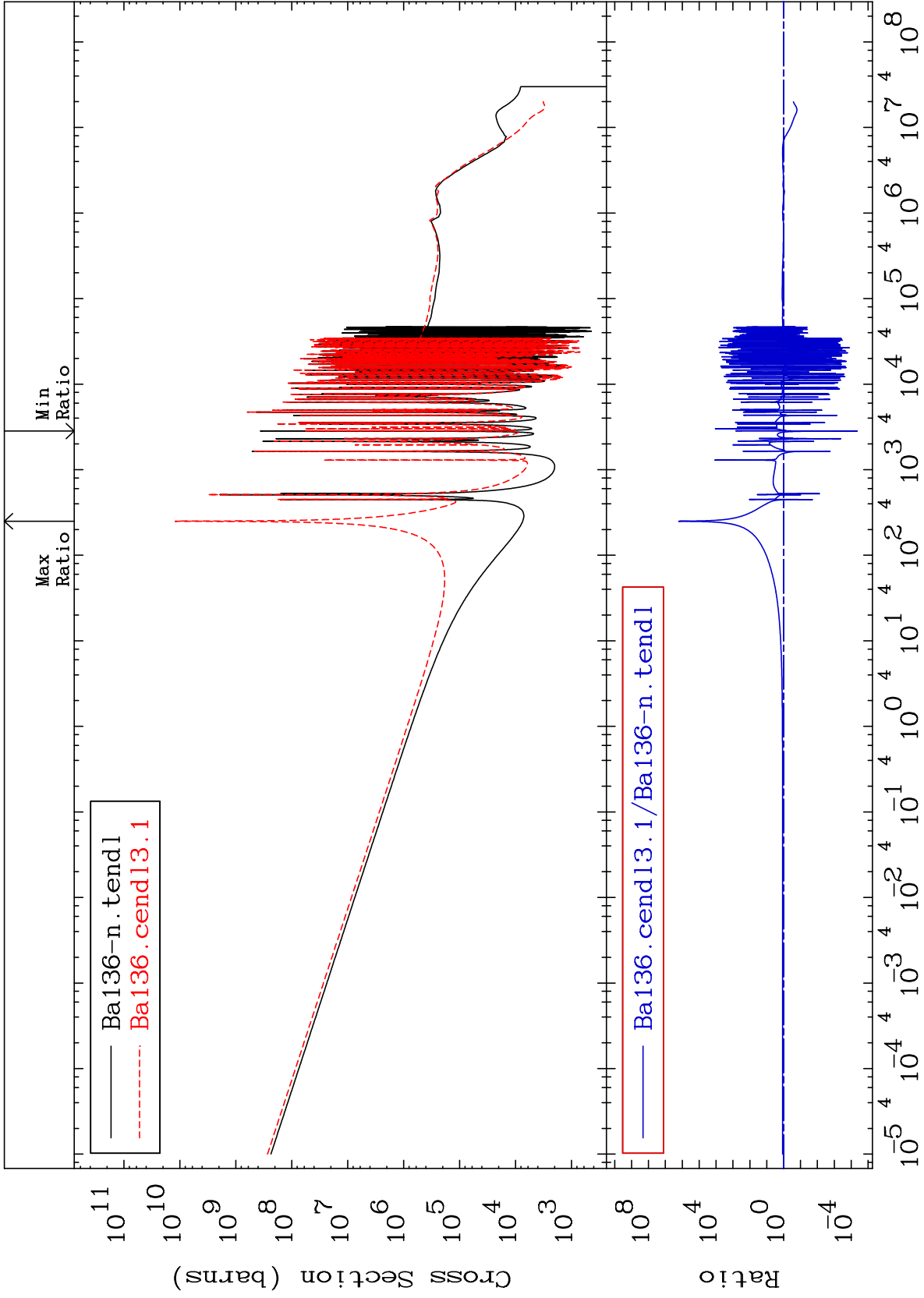
56-Ba-136  
-70.42 To 83.76 %

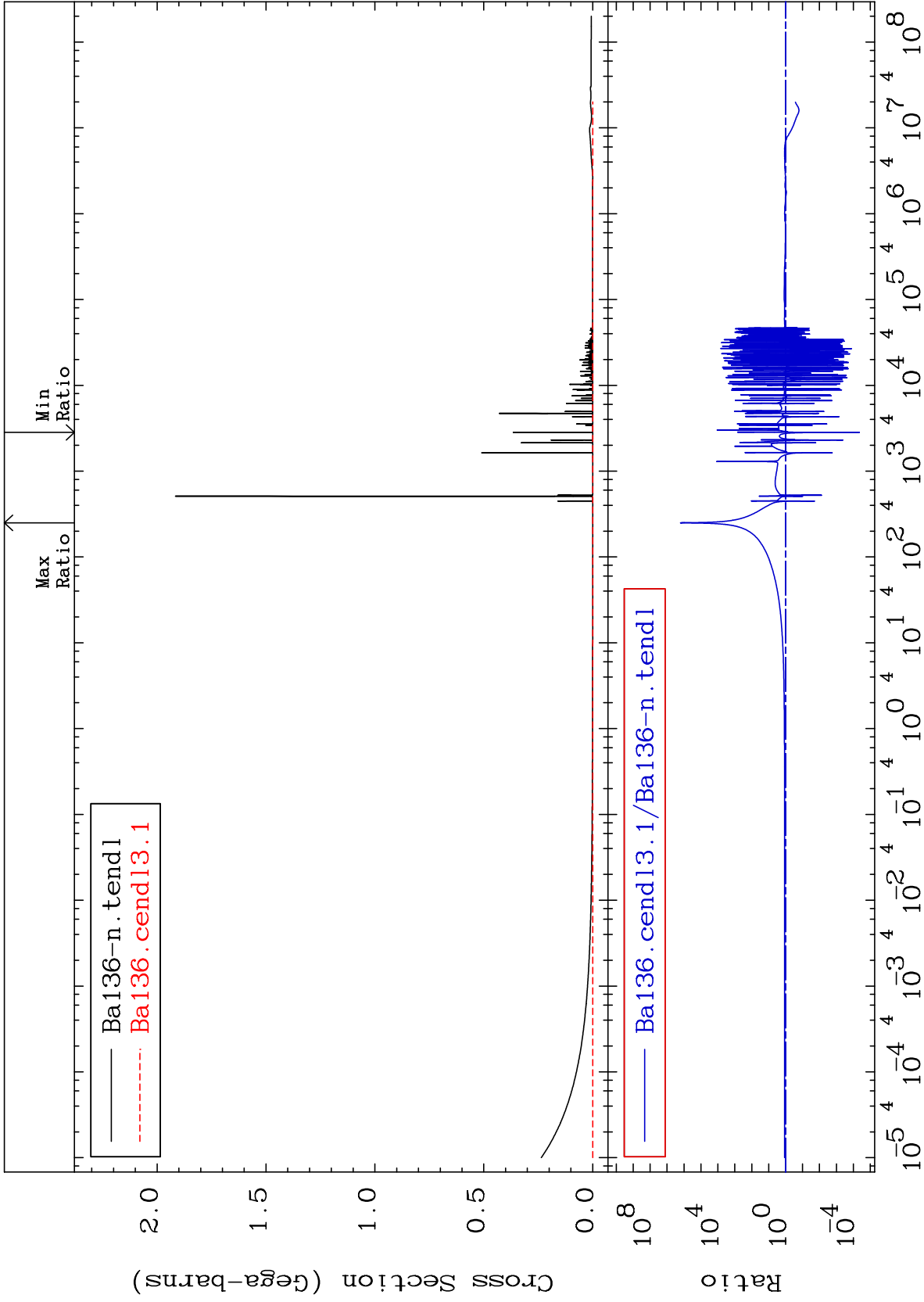


MAT 5643

Kerma capture (mt102)  
Cross Section

56-Ba-136  
-100.0 To 9999. %

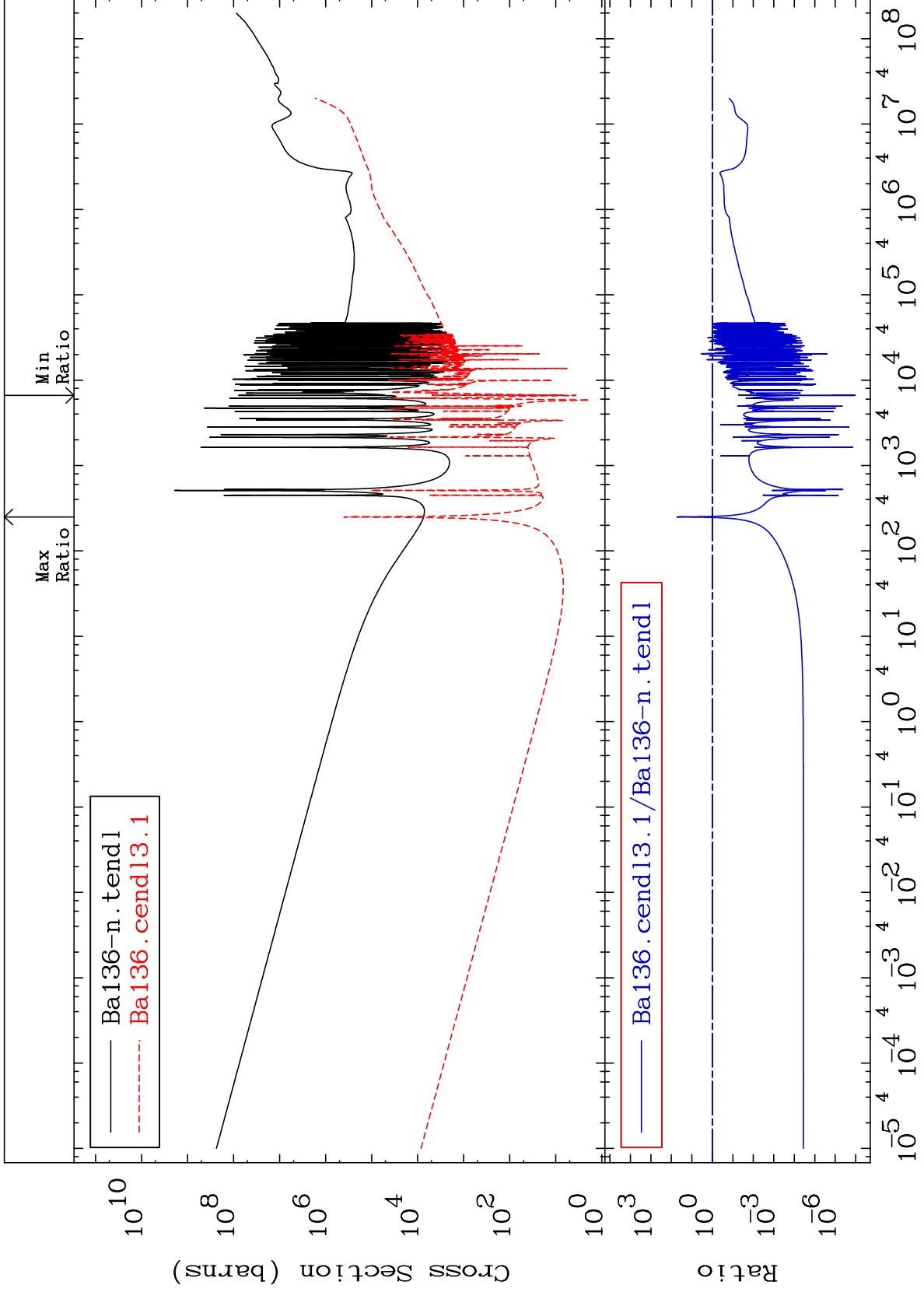




MAT 5643

Total kinematic kerma (high limit)  
Cross Section

56-Ba-136  
-100.0 To 5238. %



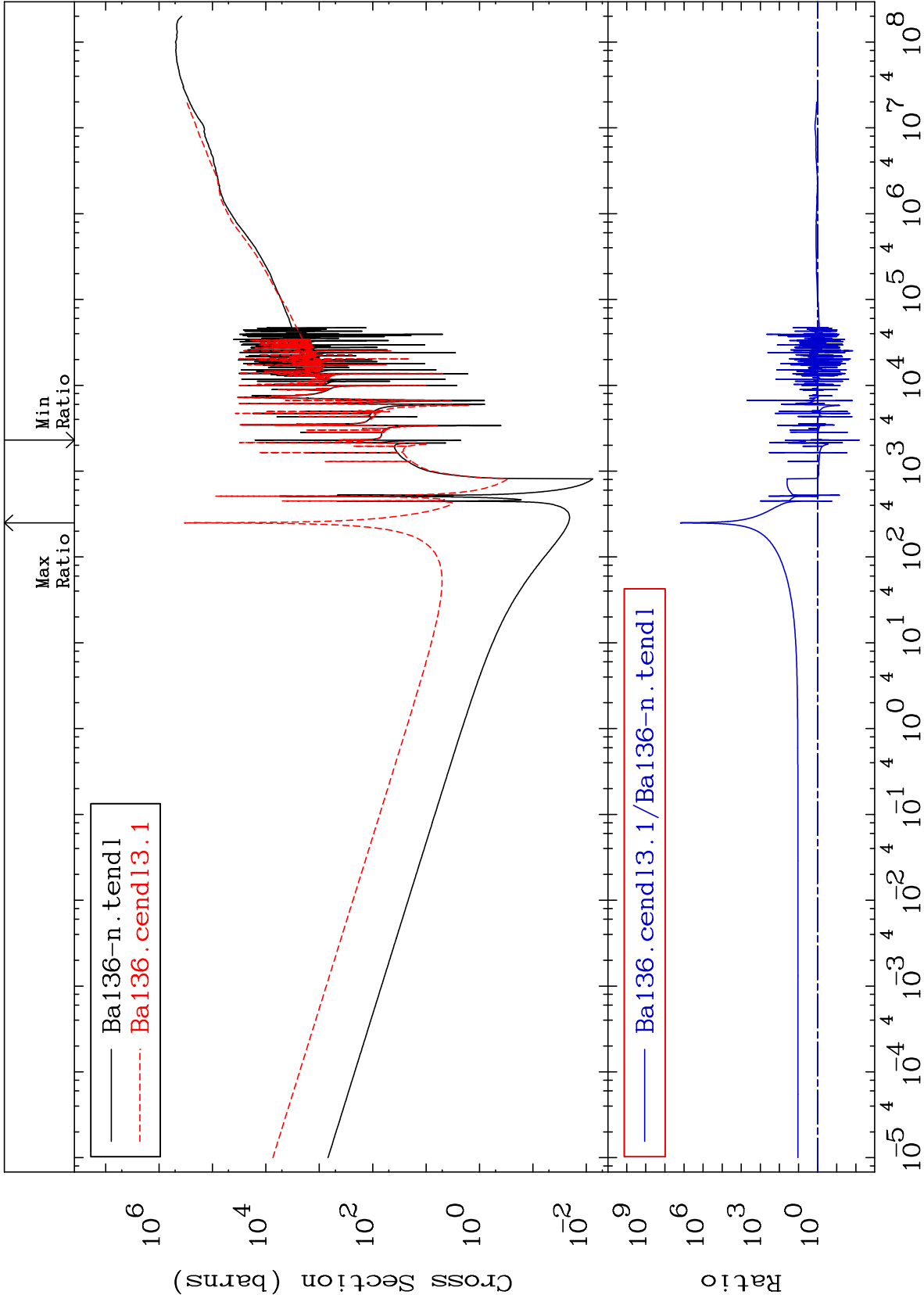
MAT 5643

Dpa total (eV-barns)

56-Ba-136

-99.35 To 9999. %

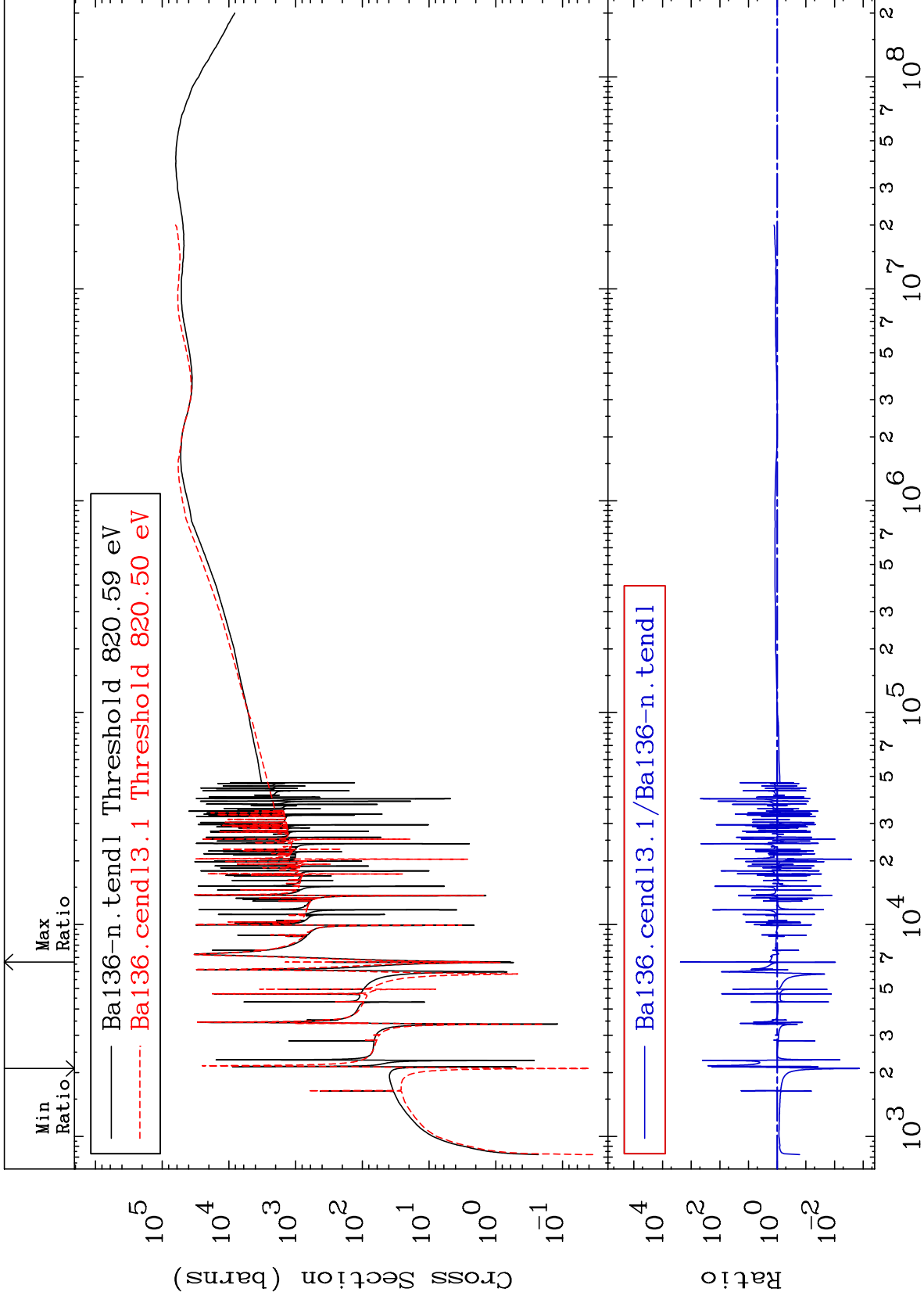
Cross Section



MAT 5643

Dpa elastic (mt2)  
Cross Section

56-Ba-136  
-99.86 To 9999. %



32

Incident Energy (eV)

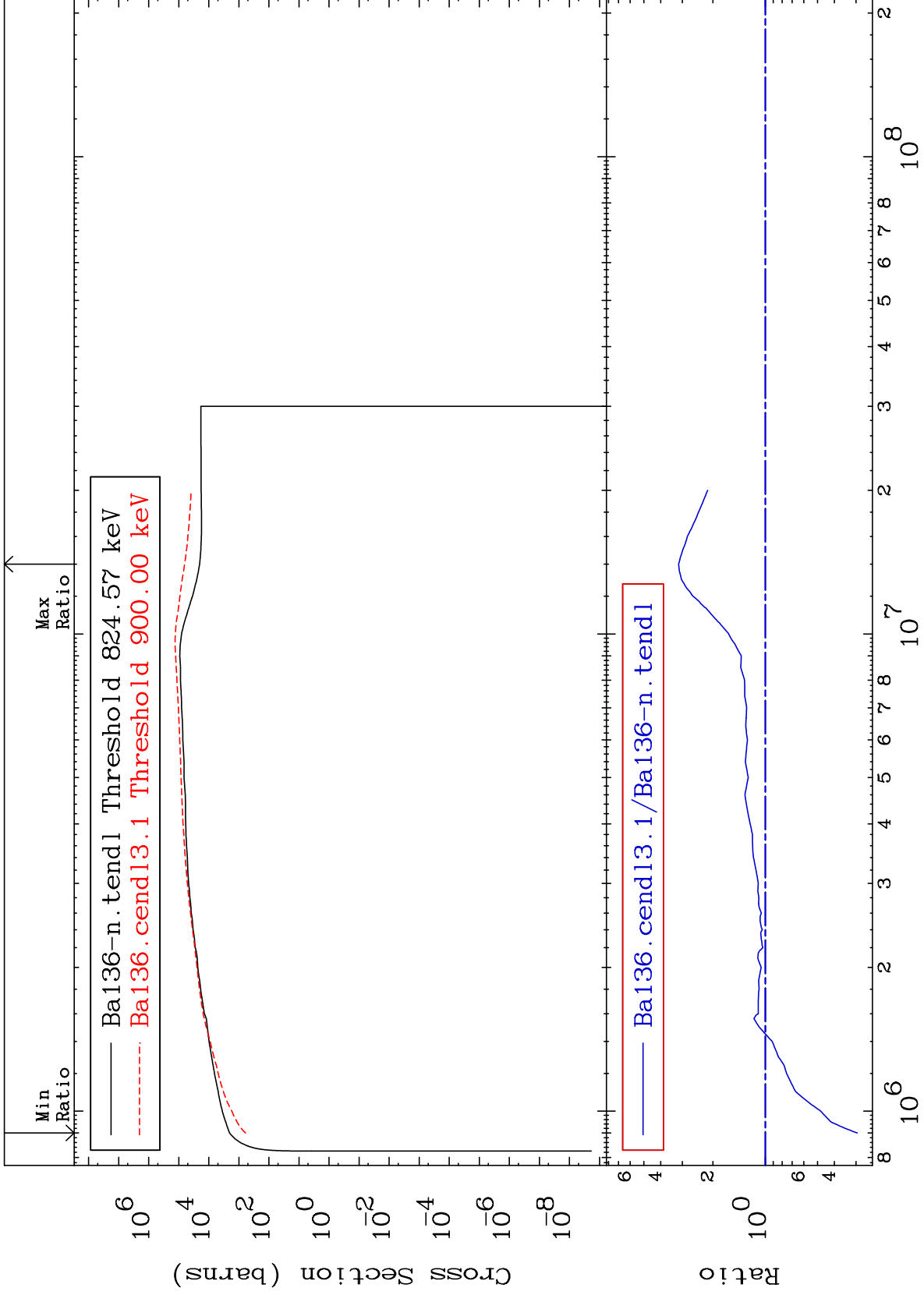
56-Ba-136



MAT 5643

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-136  
-70.46 To 215.5 %



33

Incident Energy (eV)

56-Ba-136

