

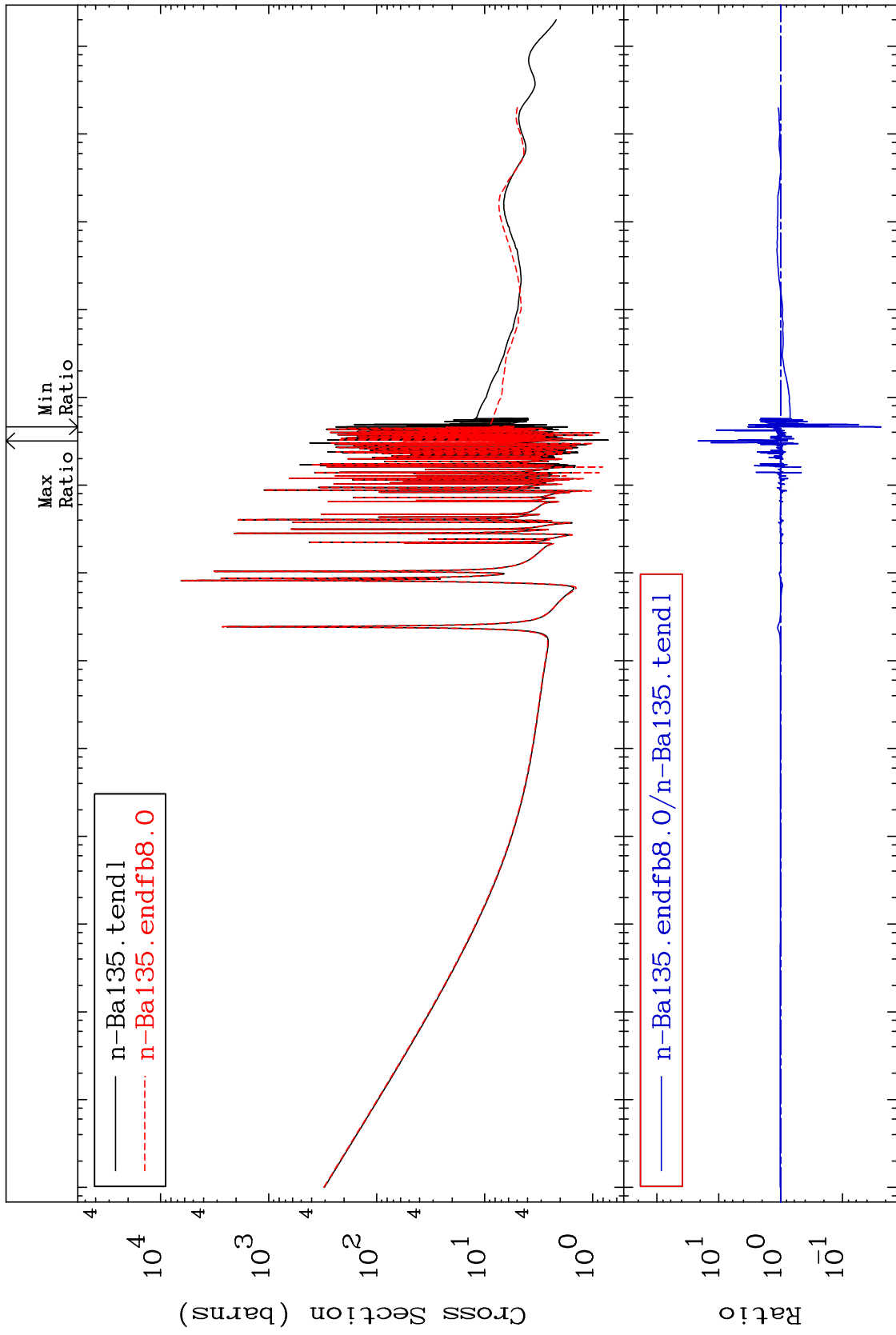
MAT 5640

Total

56-Ba-135

Cross Section

-97.63 To 2080. %



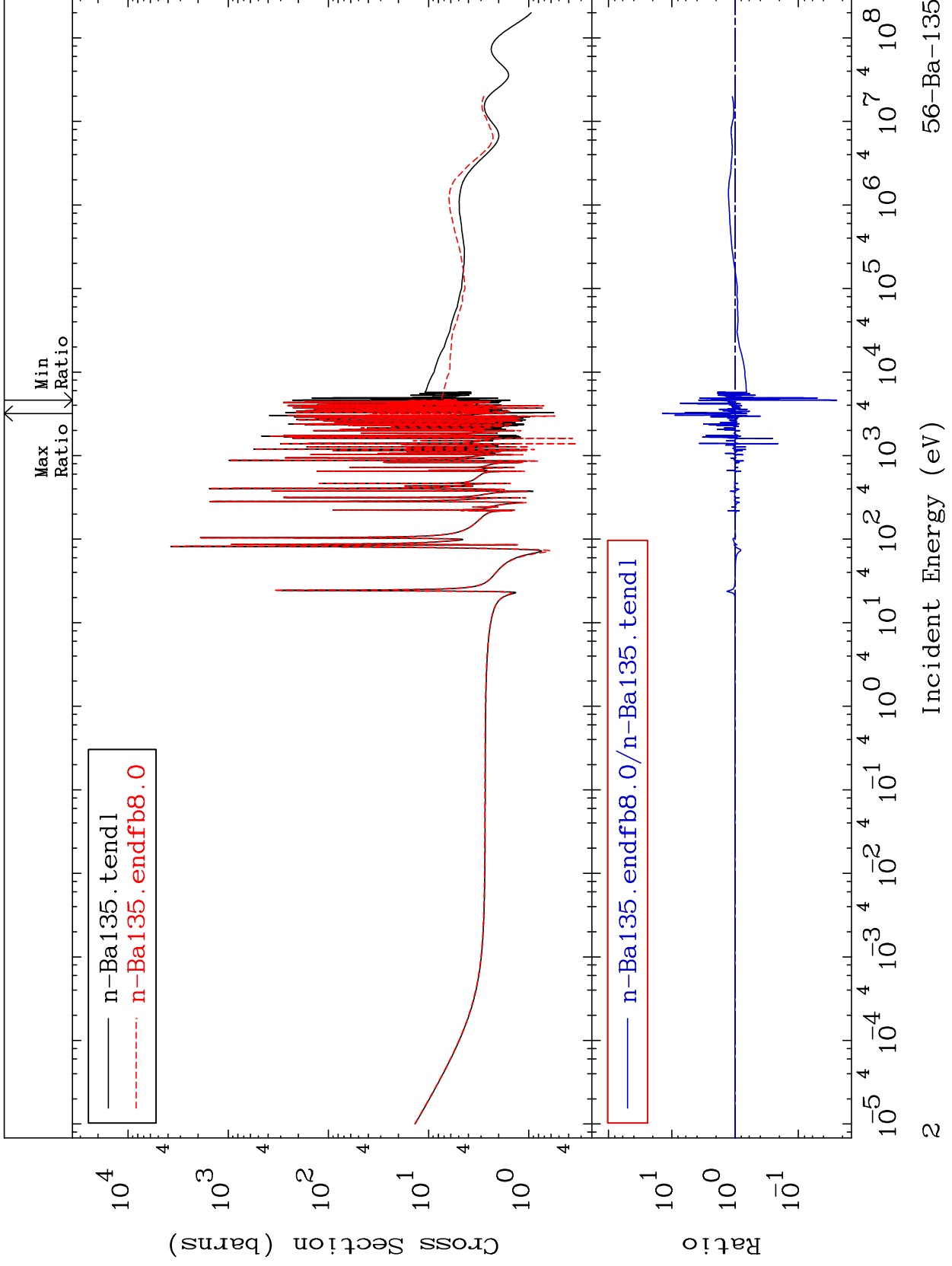
Incident Energy (eV)

56-Ba-135

MAT 5640

Elastic  
Cross Section

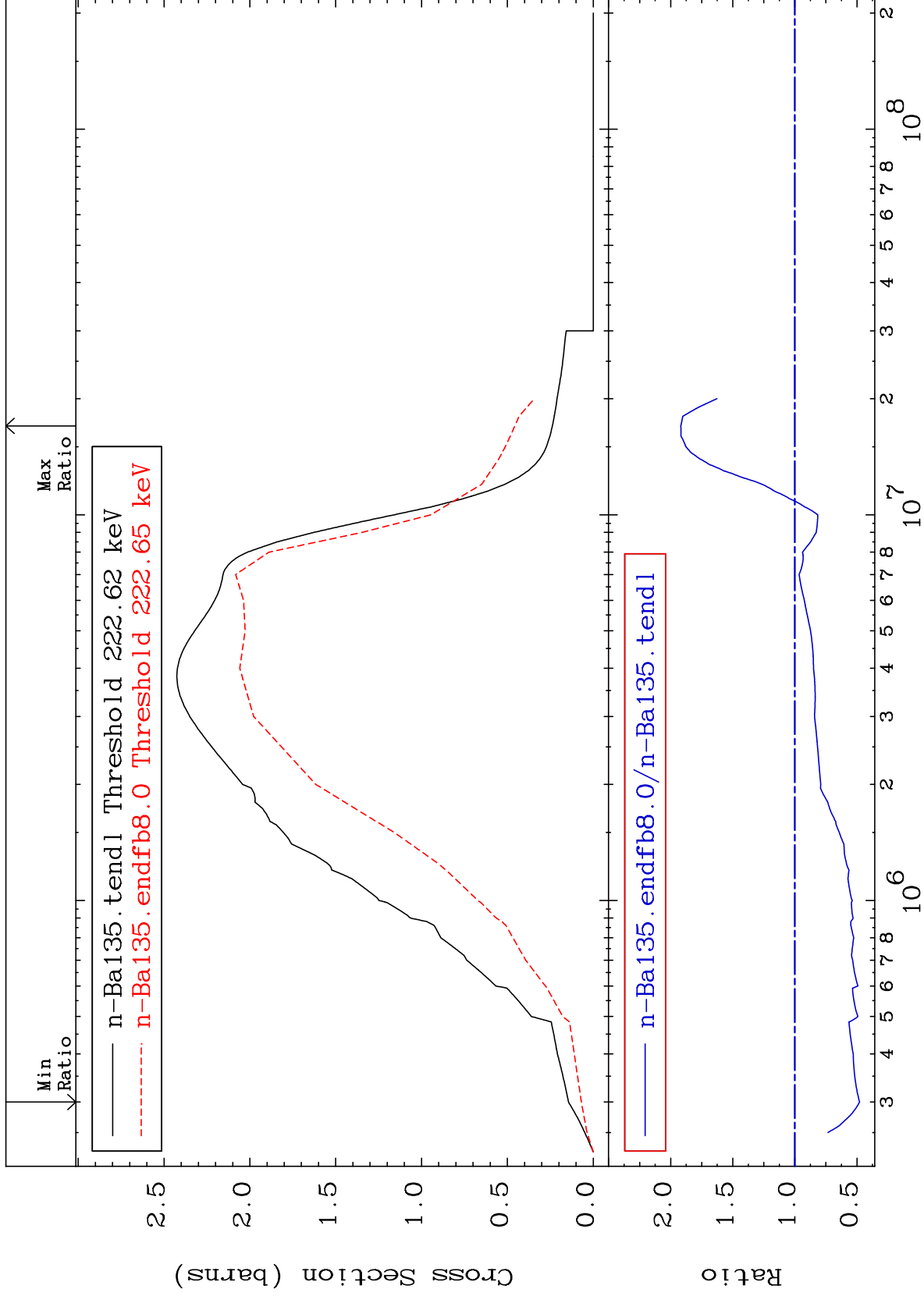
56-Ba-135  
-97.52 To 1314. %



MAT 5640

Inelastic  
Cross Section

56-Ba-135  
-52.09 To 91.86 %



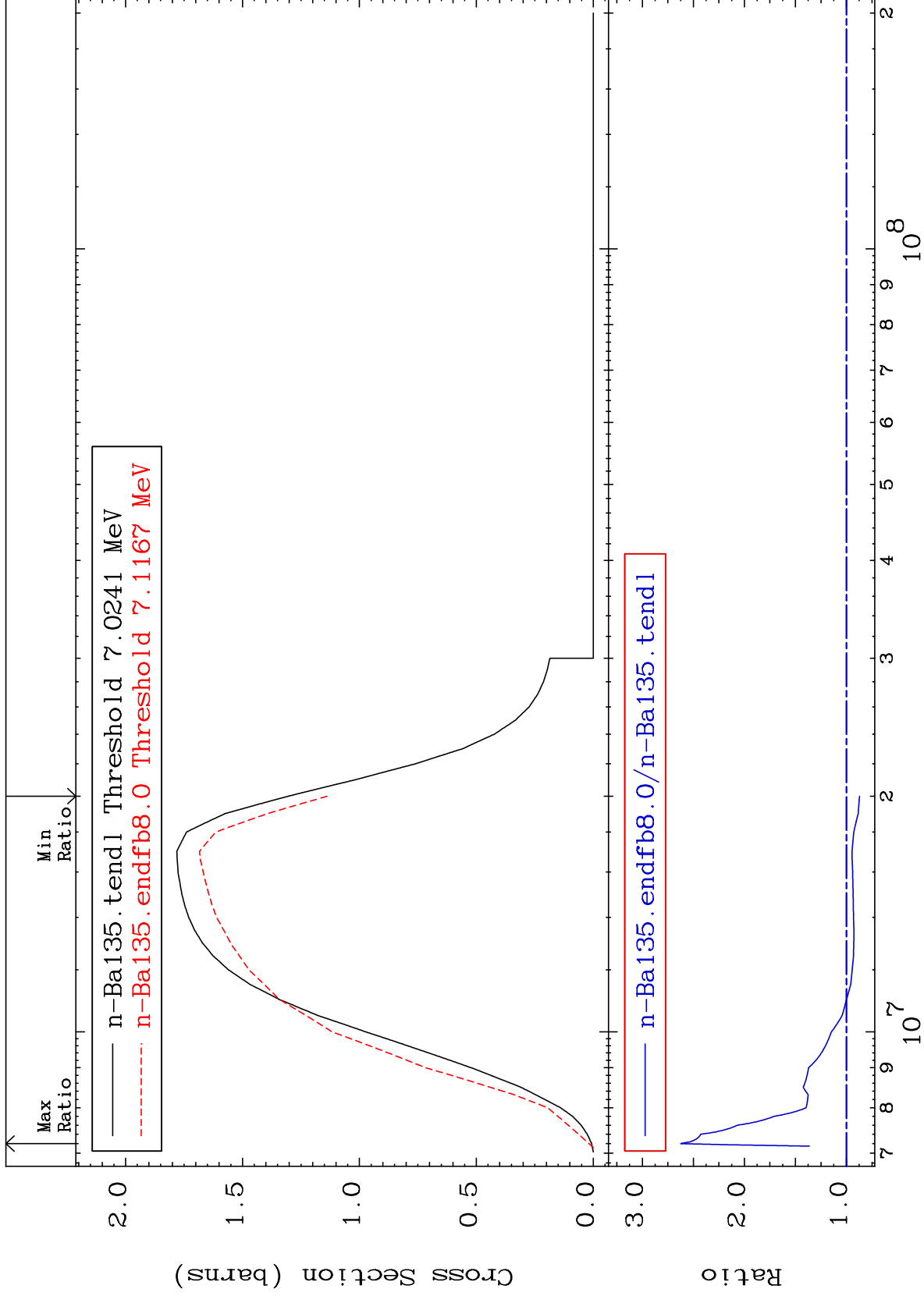
MAT 5640

(n,2n)

56-Ba-135

Cross Section

-12.82 To 162.4 %



4

Incident Energy (eV)

56-Ba-135

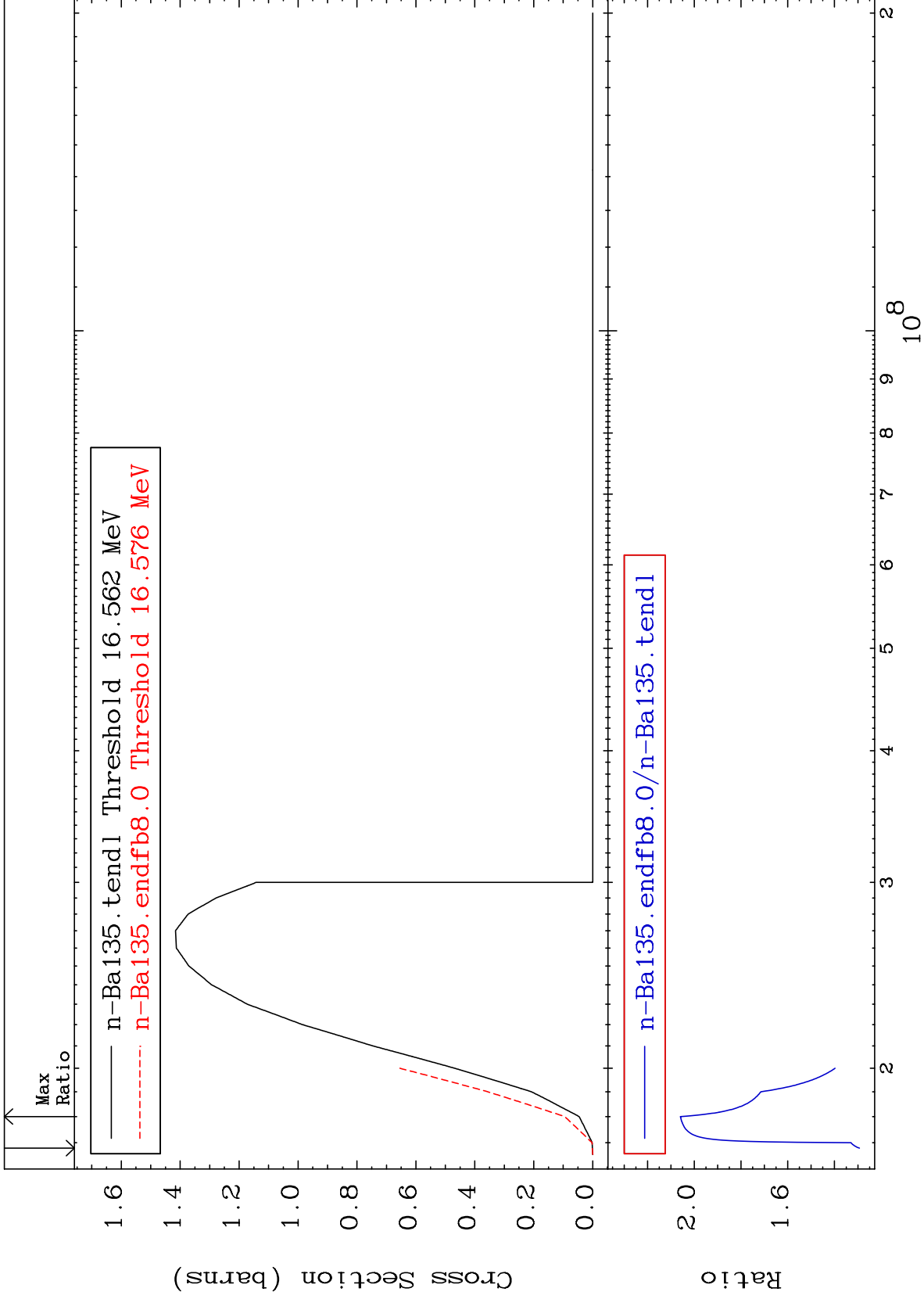
MAT 5640

(n,3n)

56-Ba-135

Cross Section

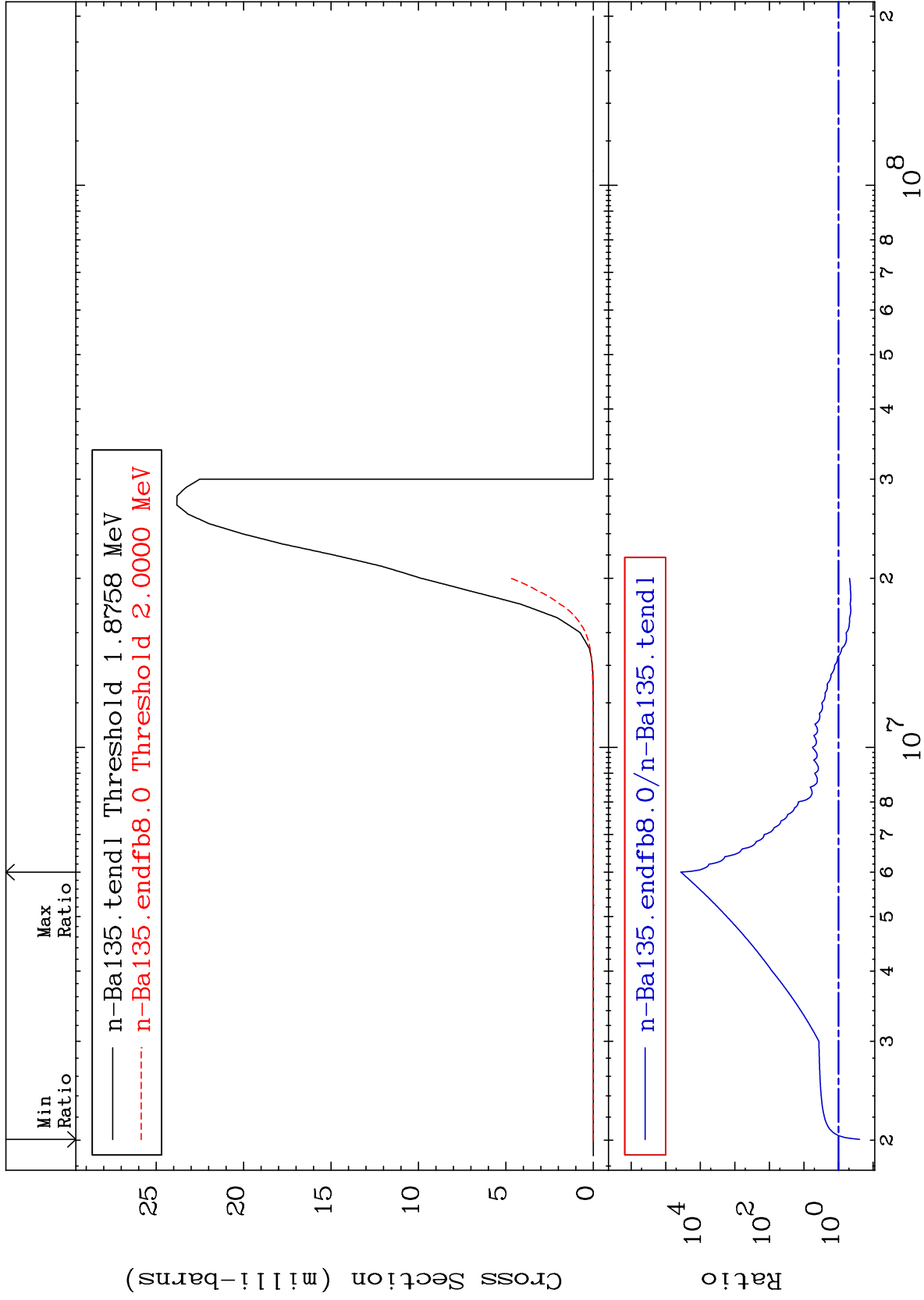
29.34 To 106.0 %



MAT 5640

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

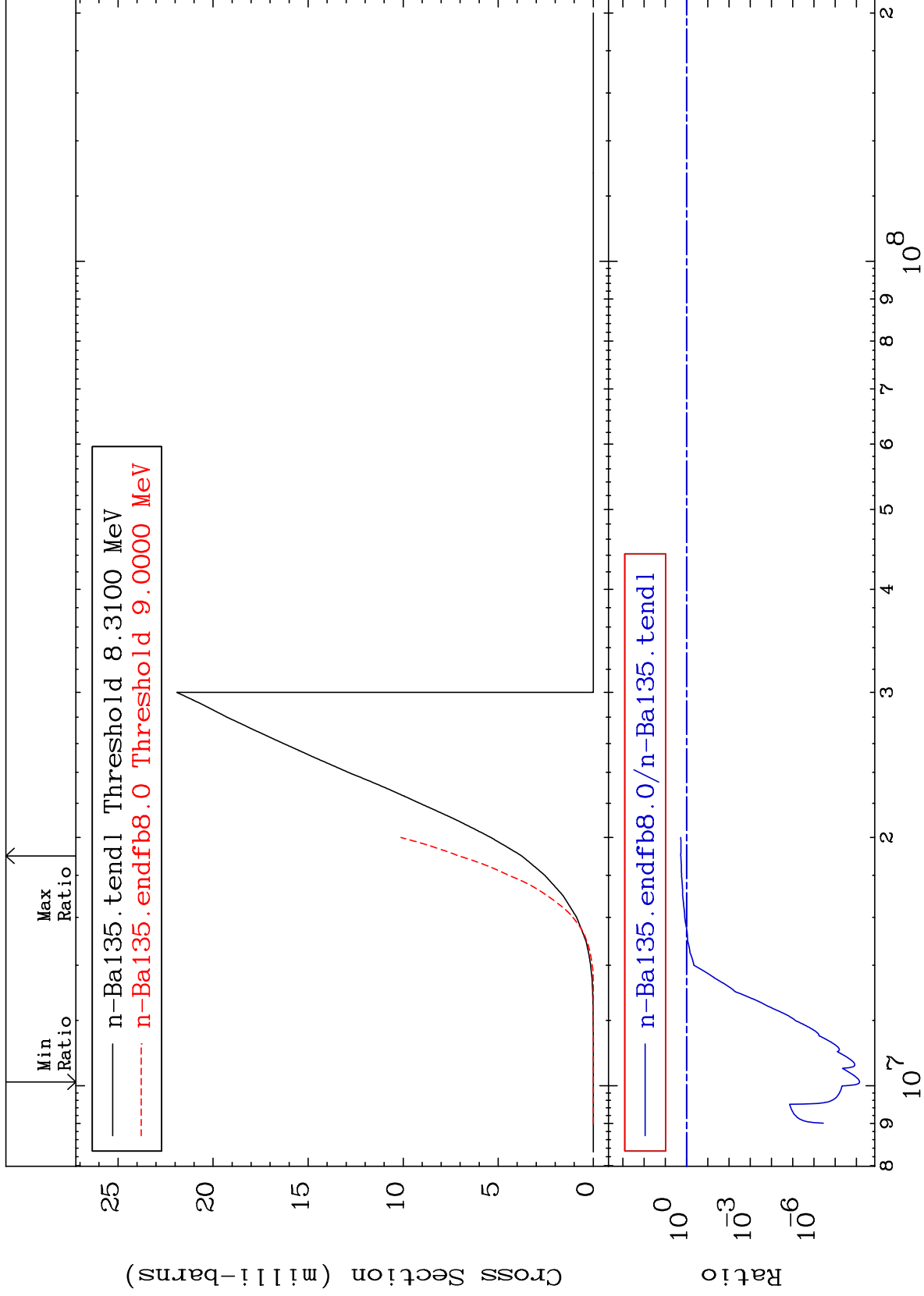
56-Ba-135  
-75.47 To 9999. %



MAT 5640

(n,n') p  
Cross Section

56-Ba-135  
-100.0 To 88.15 %



7

Incident Energy (eV)

56-Ba-135

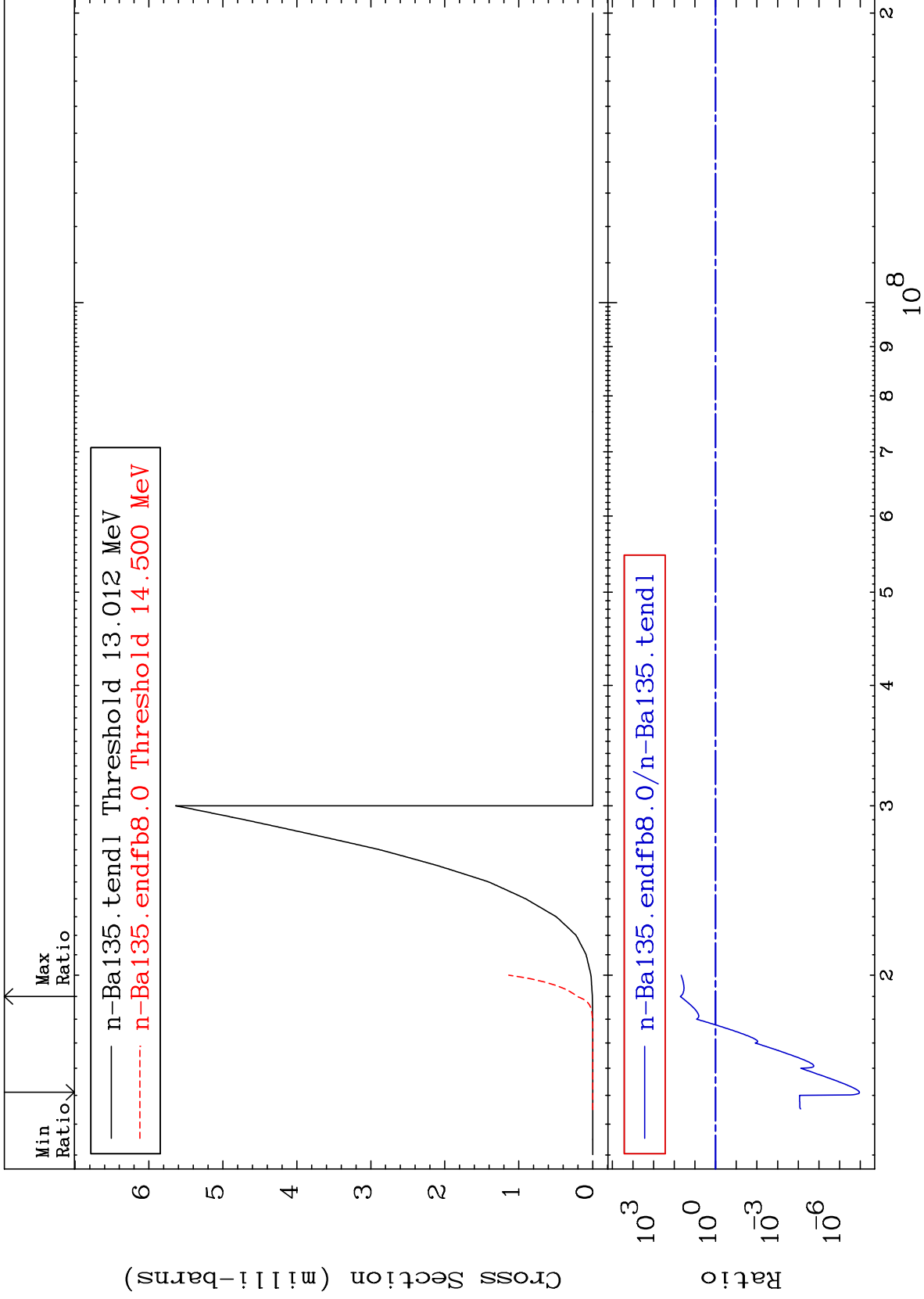
MAT 5640

(n, n') d

56-Ba-135

Cross Section

-100.0 To 5007. %

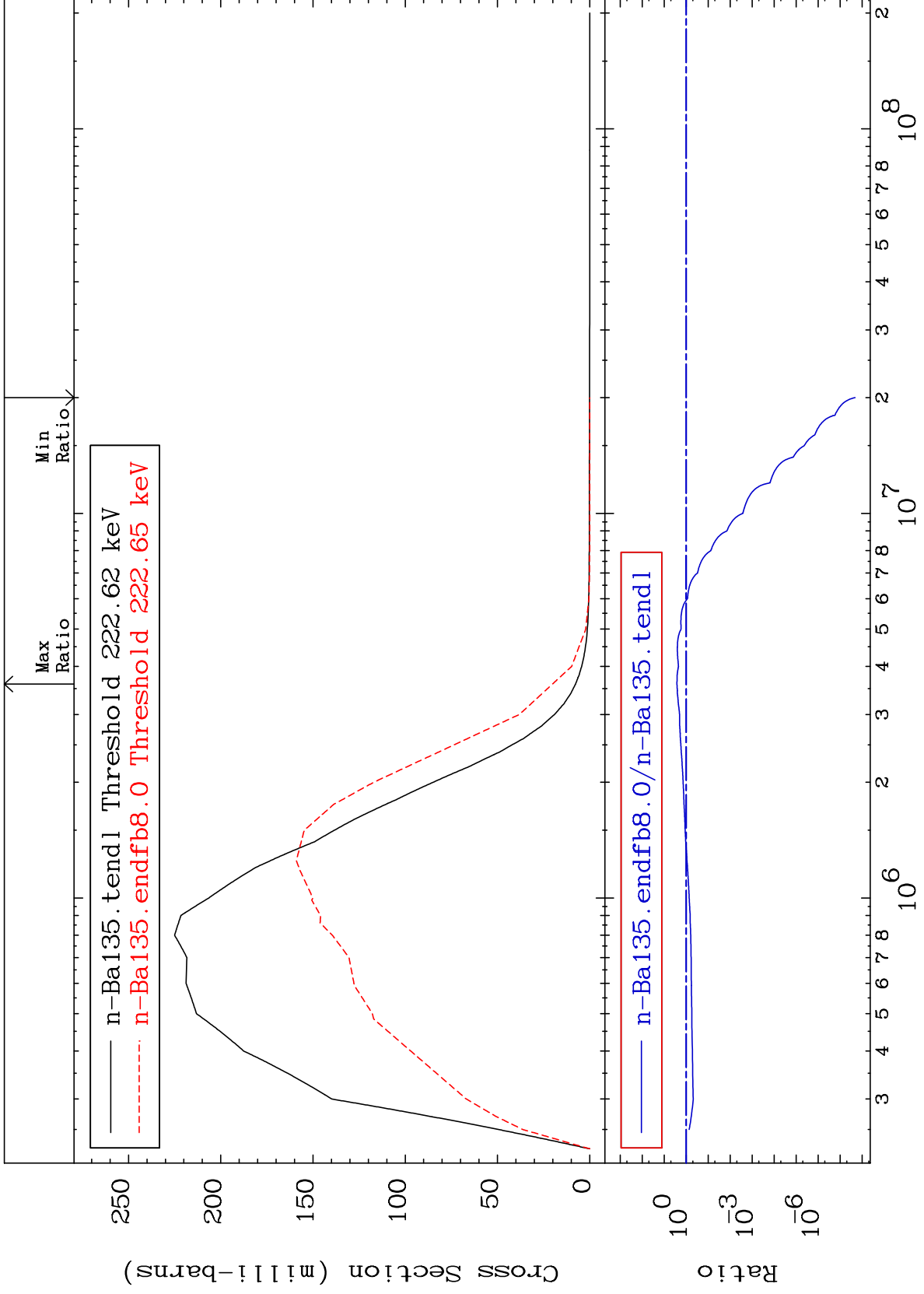




MAT 5640

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

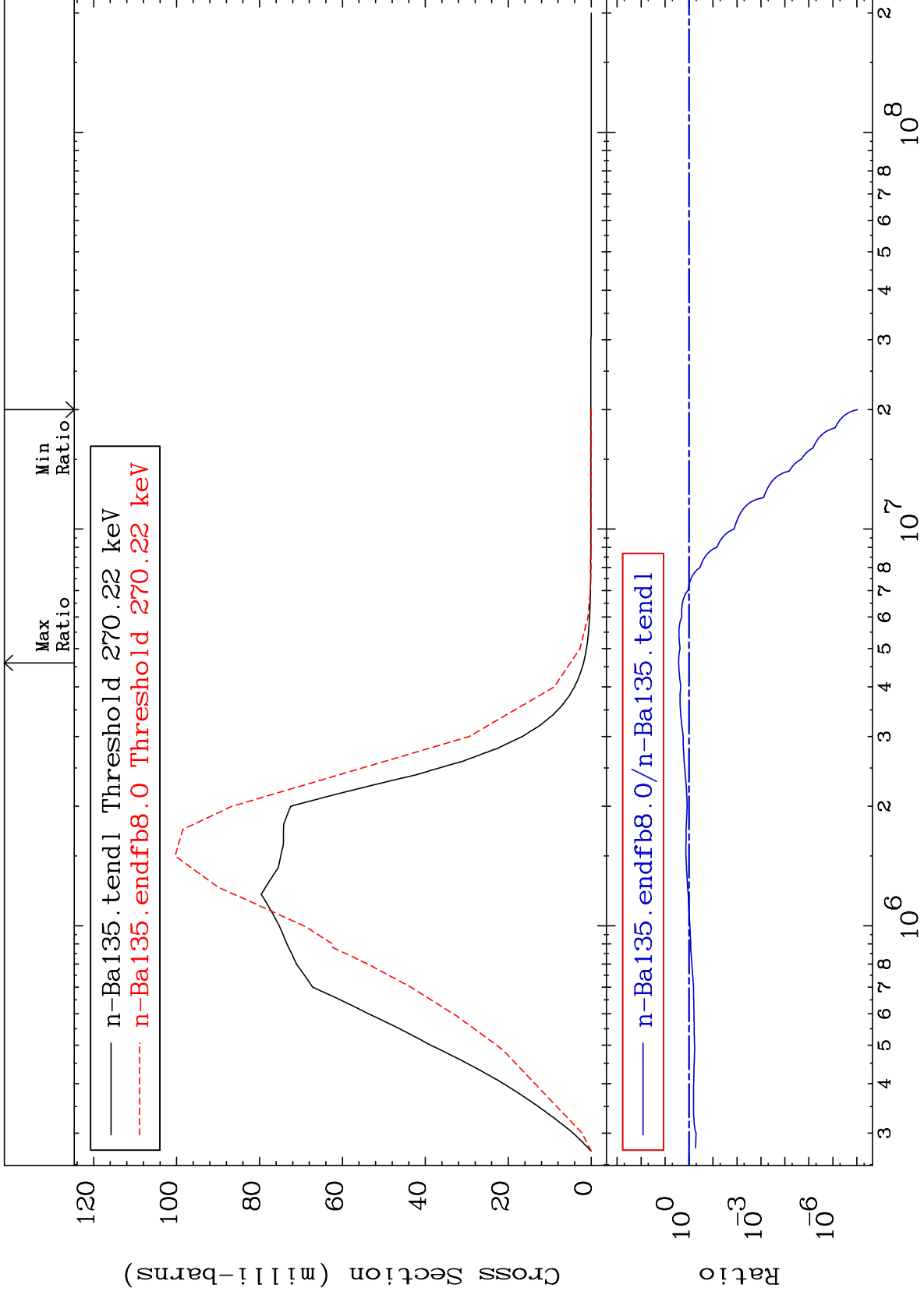
56-Ba-135  
-100.0 To 163.5 %



MAT 5640

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

56-Ba-135  
-100.0 To 171.1 %



10

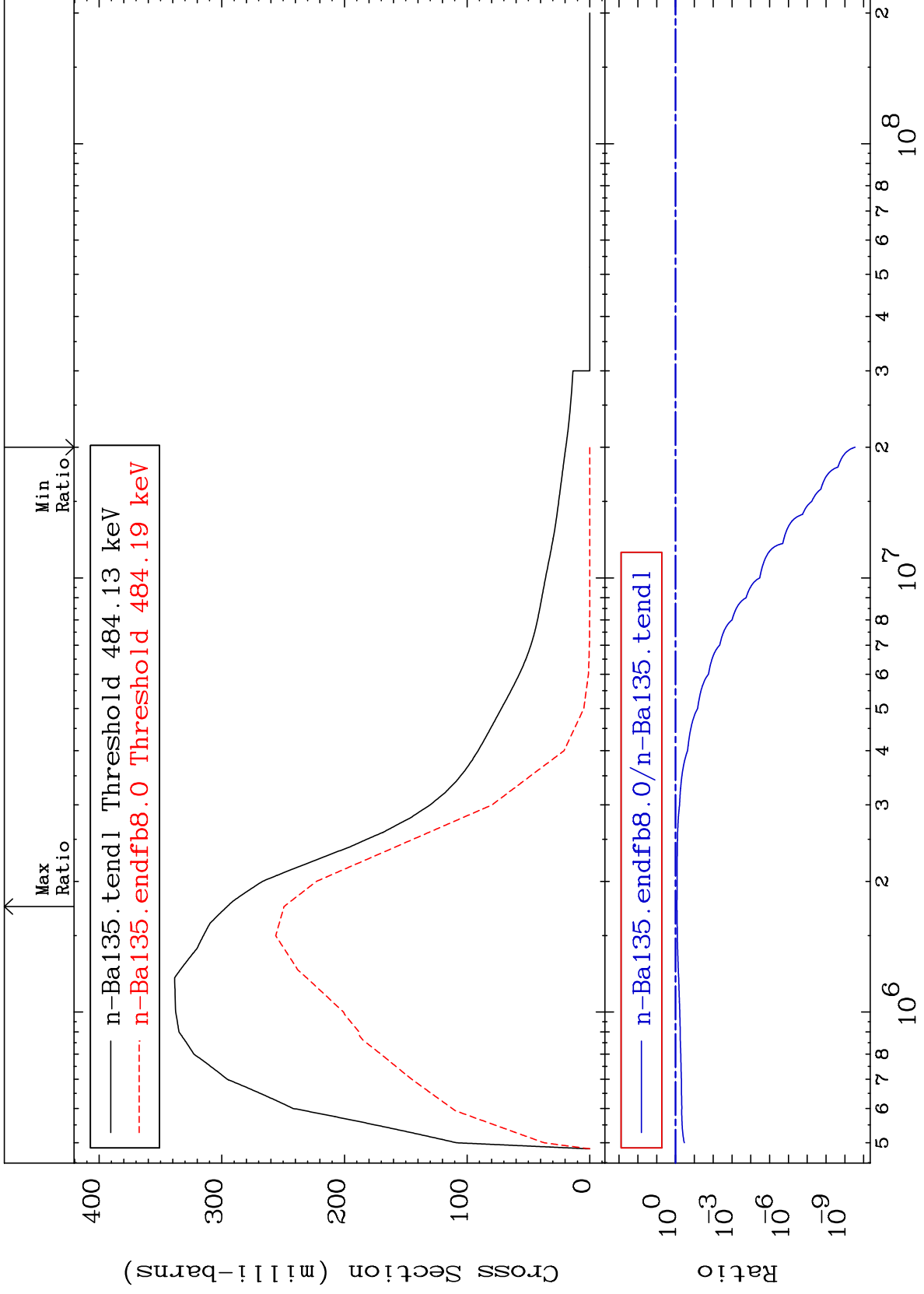
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135  
-100.0 To -15.69%



11

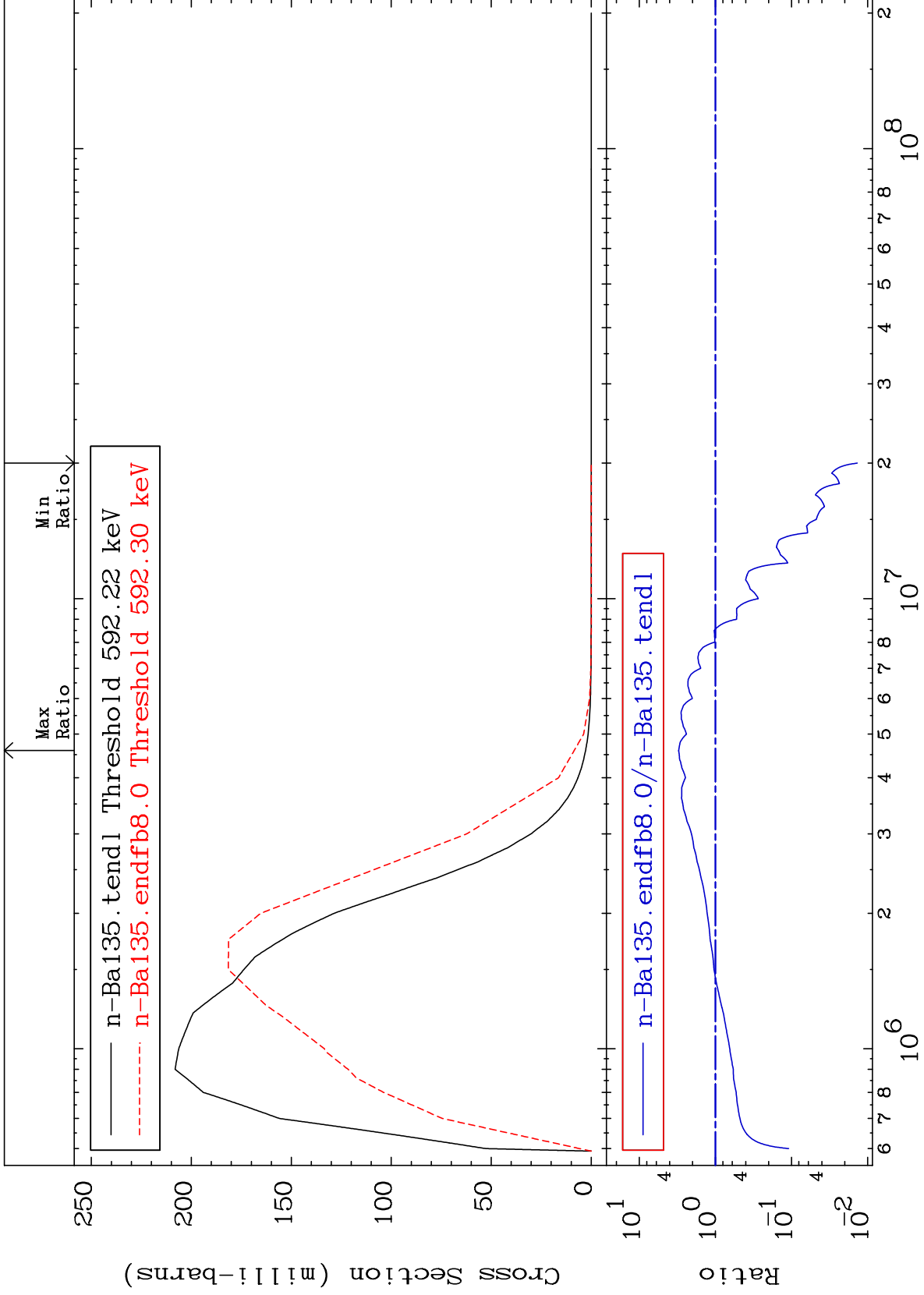
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135  
-98.63 To 204.7 %



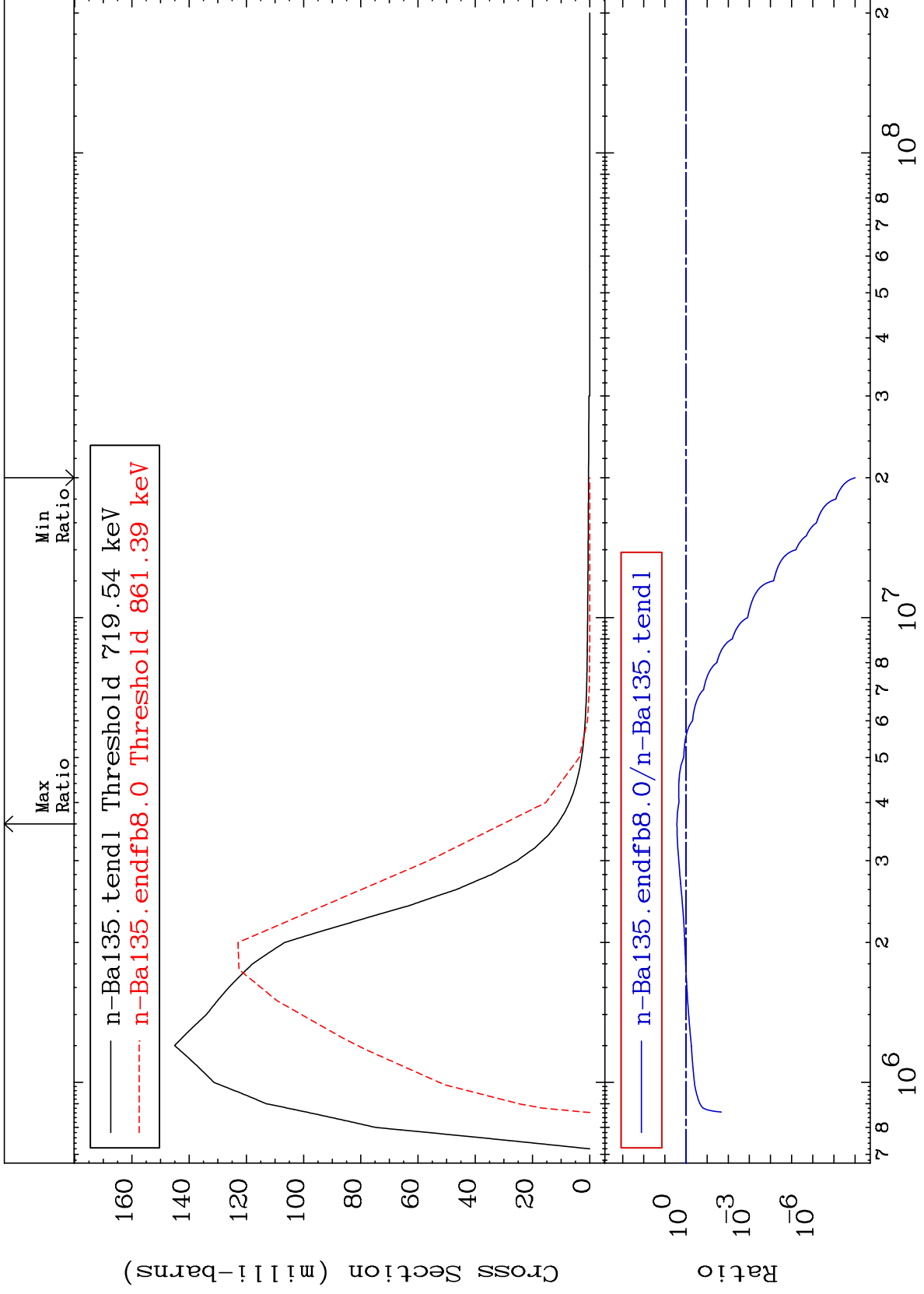
12

56-Ba-135

MAT 5640

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

56-Ba-135  
-100.0 To 169.5 %



13

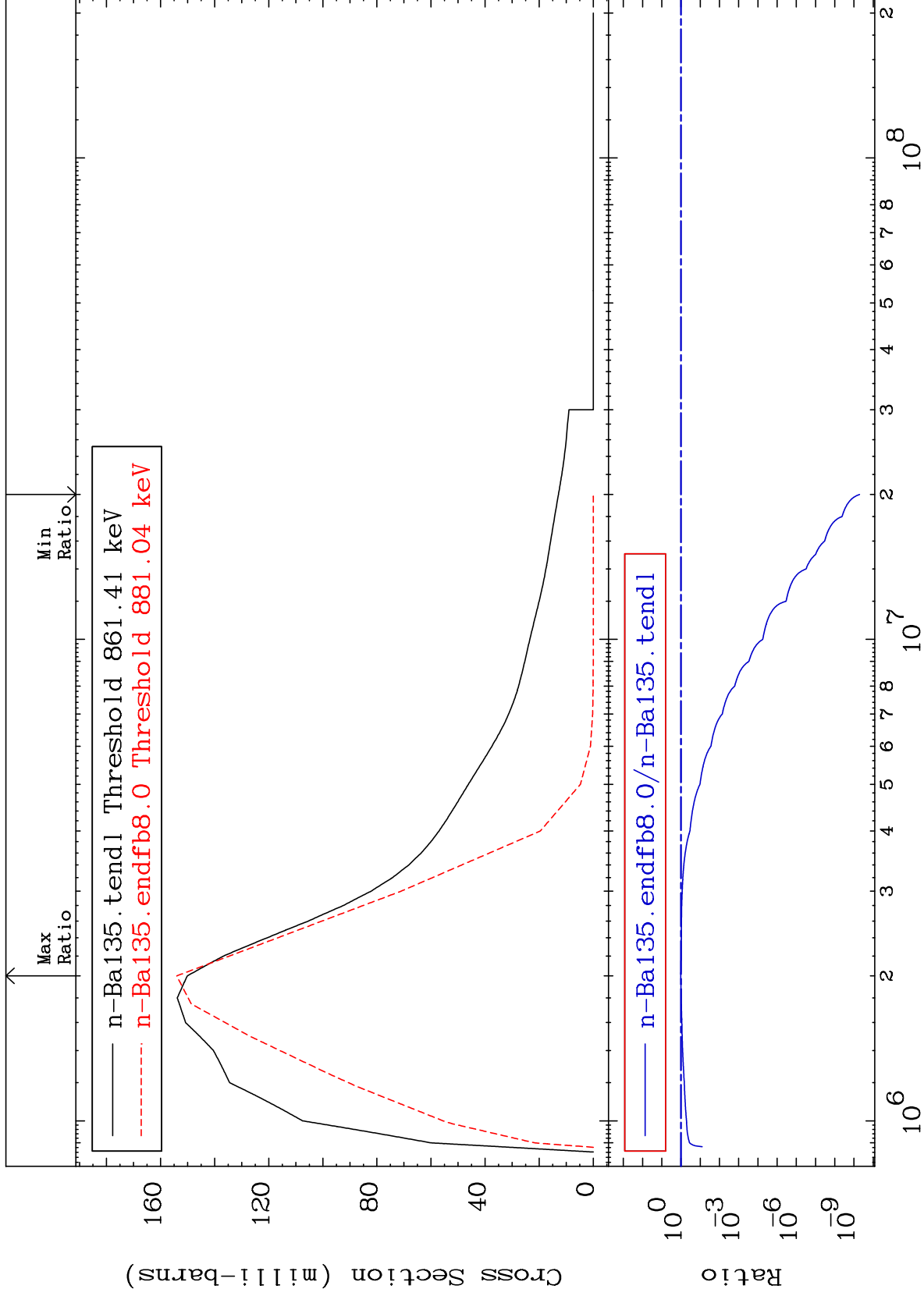
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135  
-100.0 To 2.611 %



14

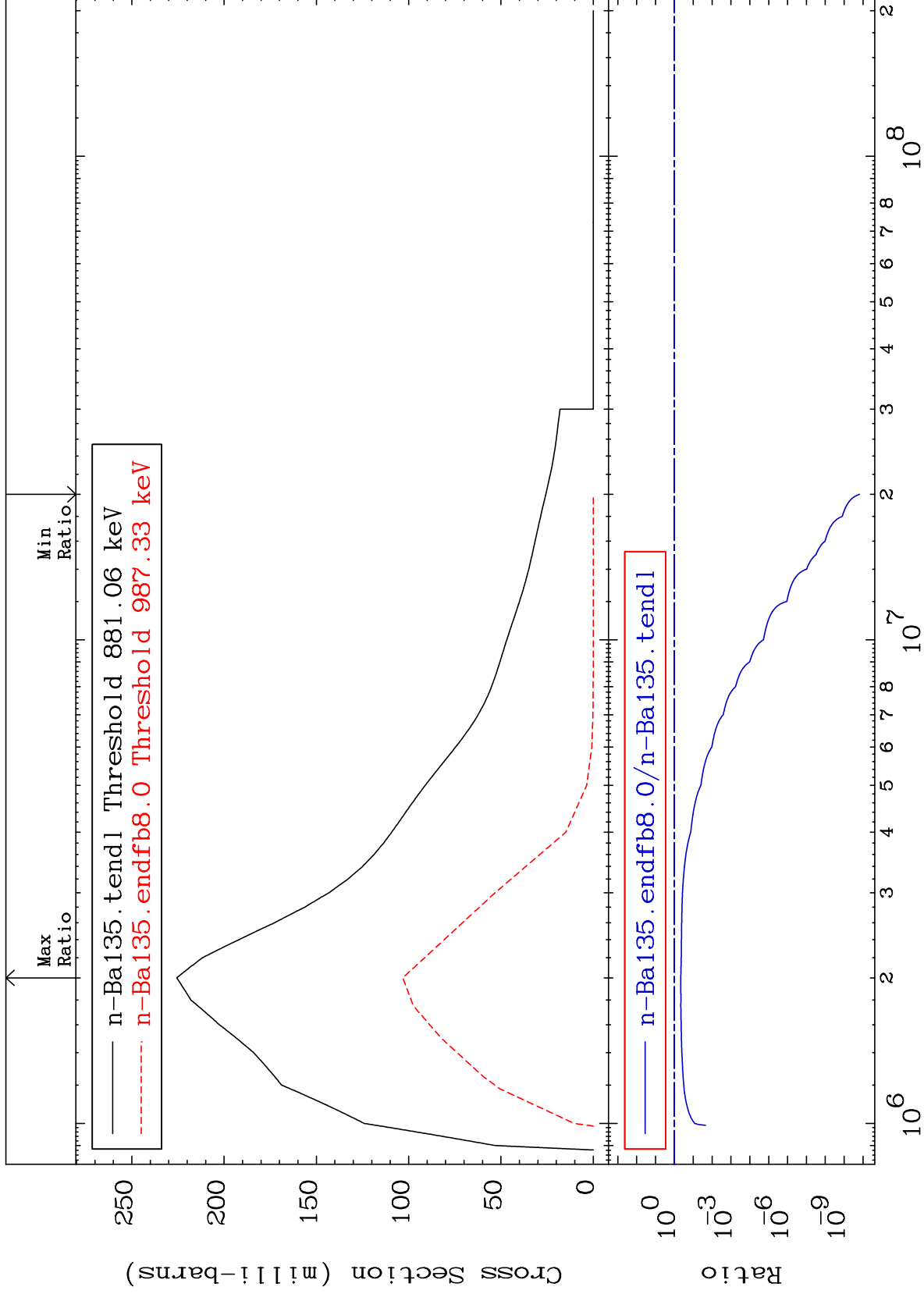
Incident Energy (eV)

56-Ba-135

MAT 5640

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

56-Ba-135  
-100.0 To -54.27%



15

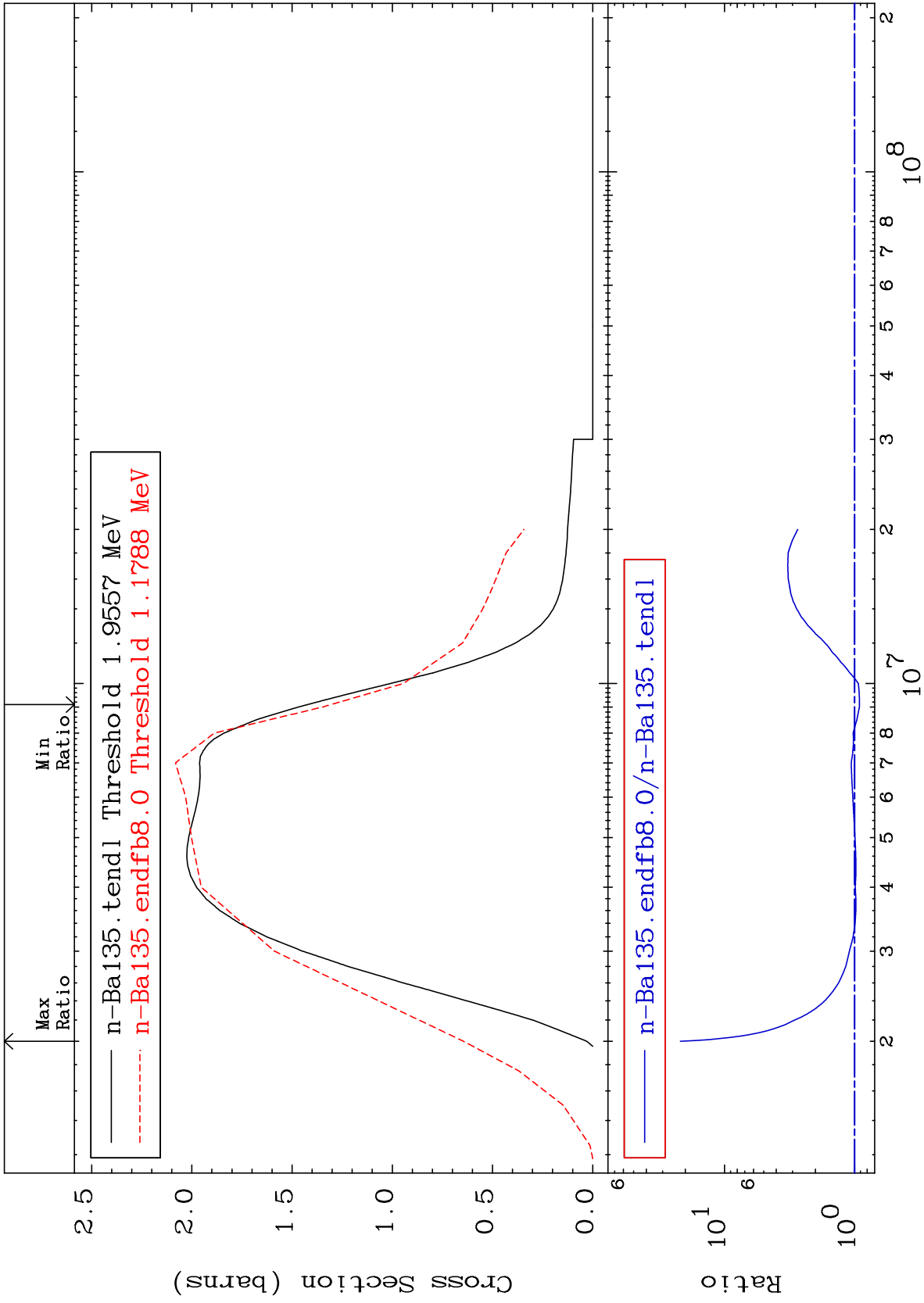
Incident Energy (eV)

56-Ba-135

MAT 5640

(n, n') Continuum  
Cross Section

56-Ba-135  
-8.216 To 2087. %



16

Incident Energy (eV)

56-Ba-135



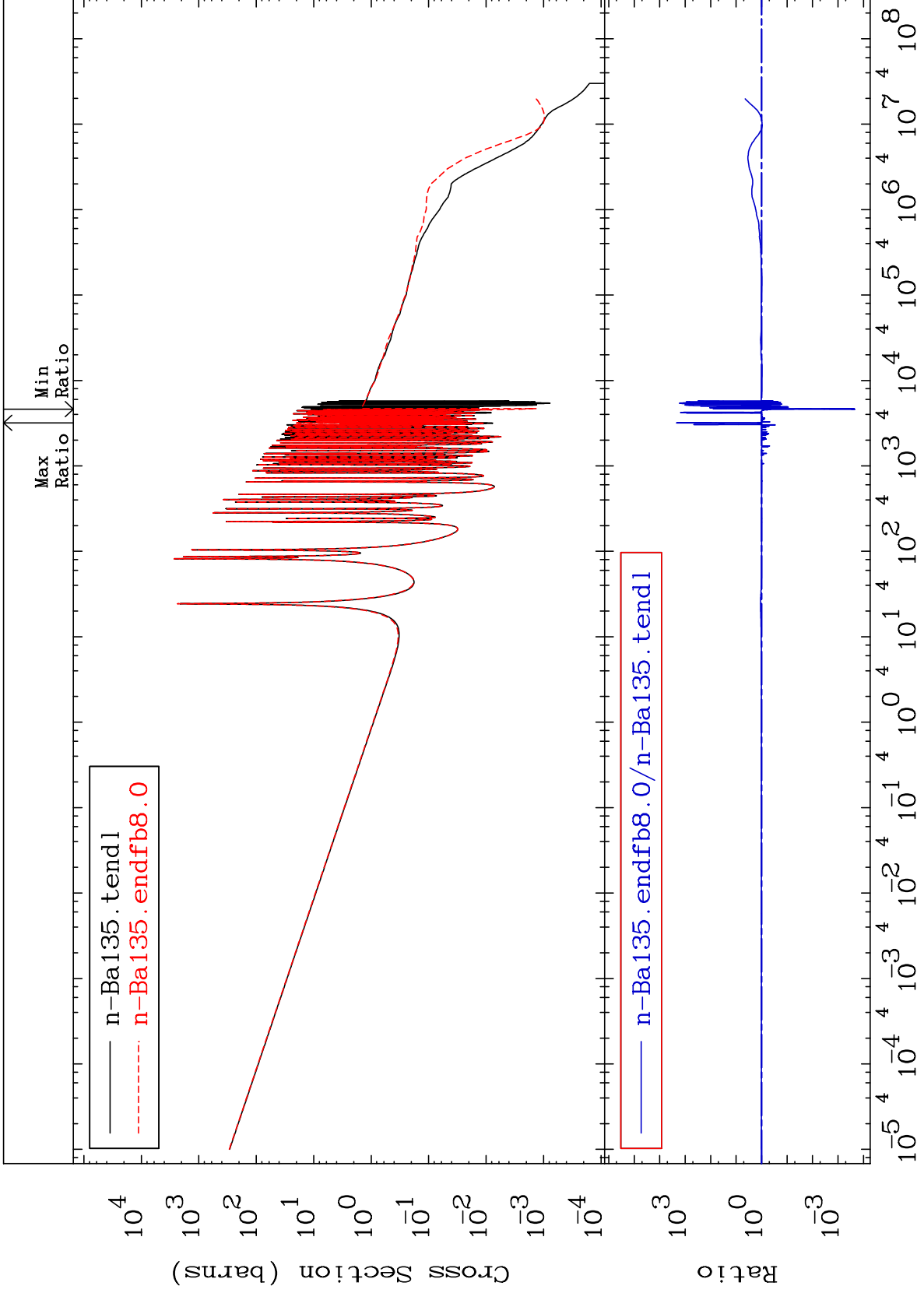
MAT 5640

(n,  $\gamma$ )

56-Ba-135

Cross Section

-99.98 To 9999. %



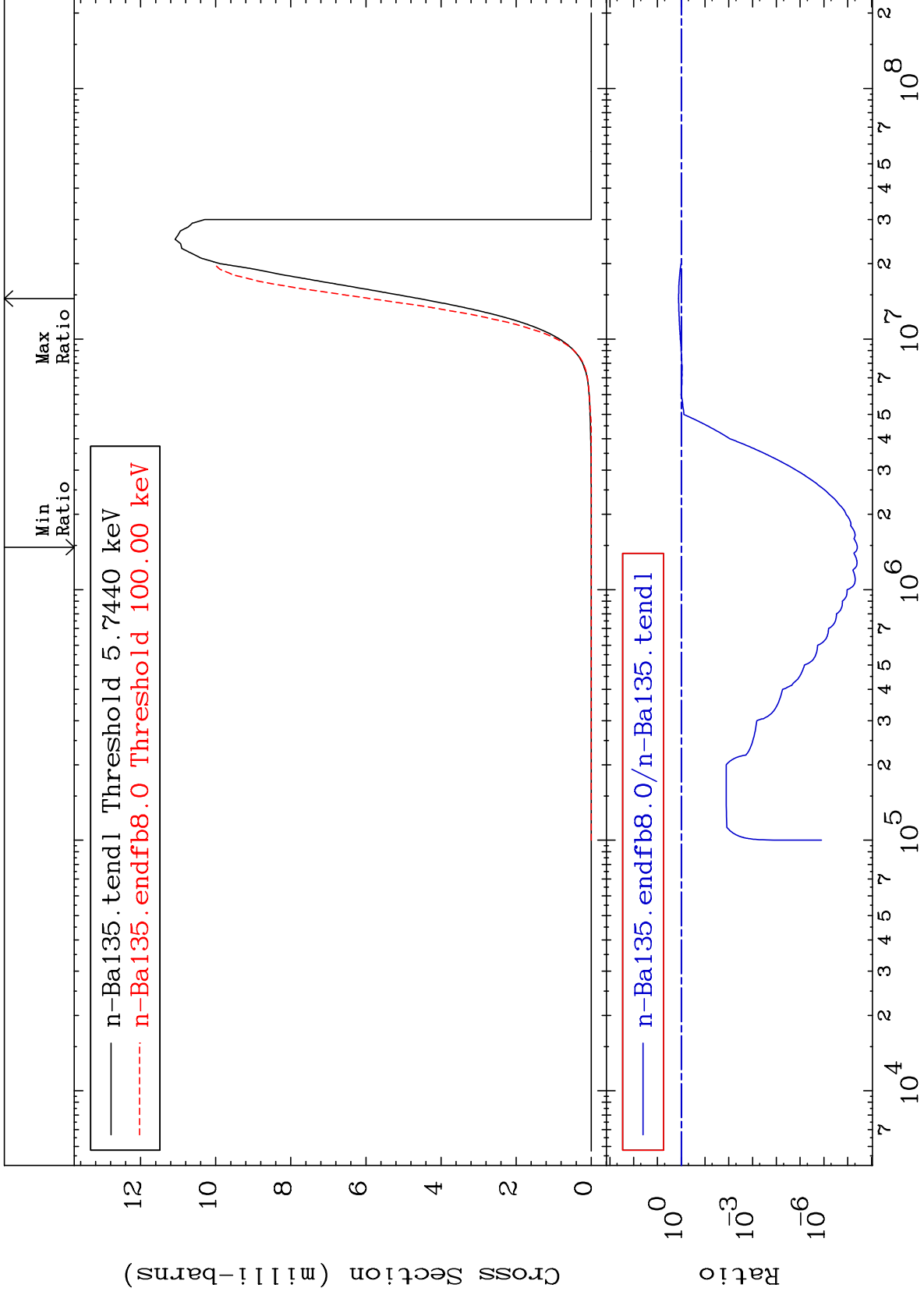
17

Incident Energy (eV)

56-Ba-135

MAT 5640

(n, p)  
Cross Section  
56-Ba-135  
-100.0 To 28.38 %



18

Incident Energy (eV)

56-Ba-135

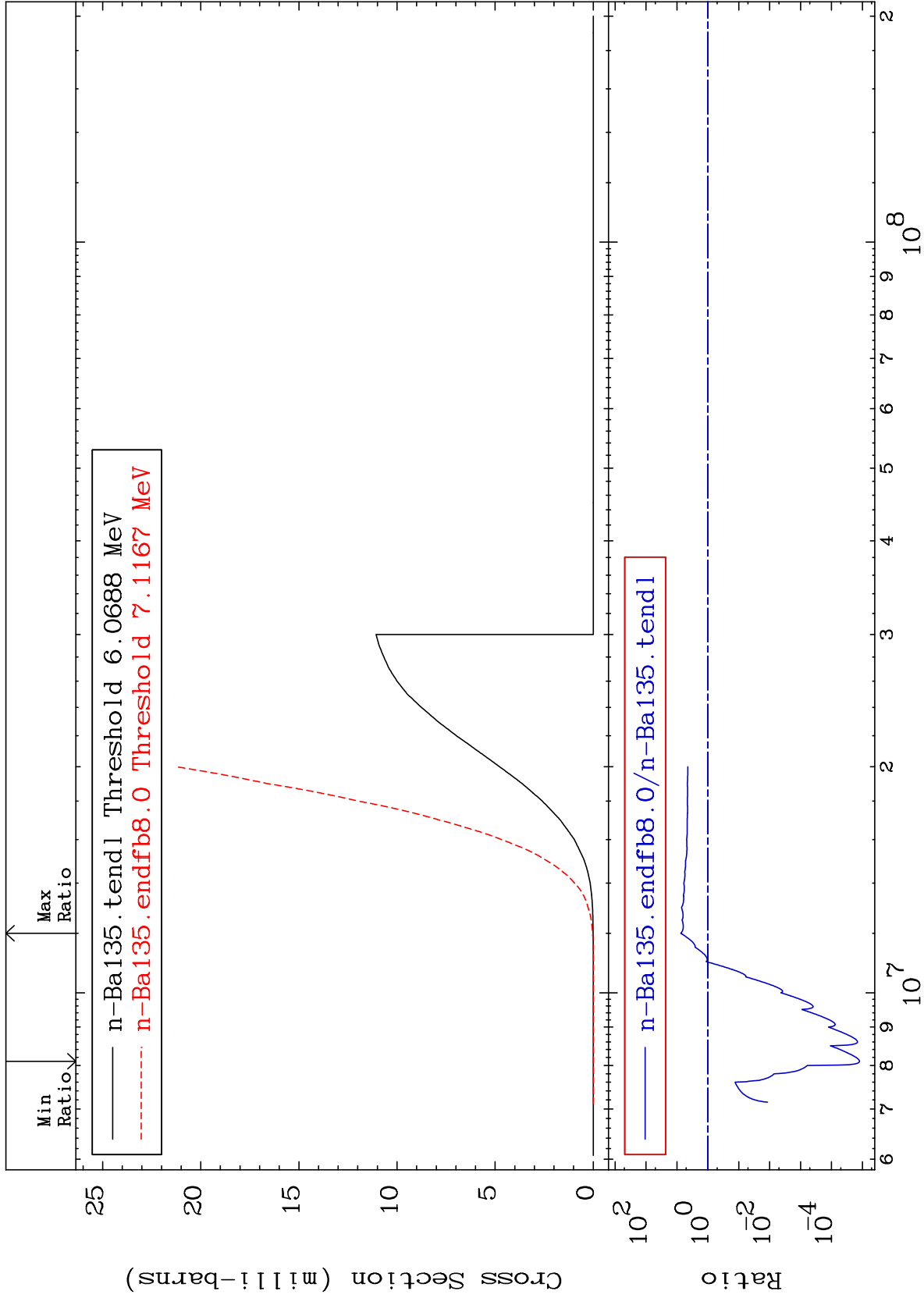
MAT 5640

(n, d)

56-Ba-135

Cross Section

-100.0 To 650.6 %



19

Incident Energy (eV)

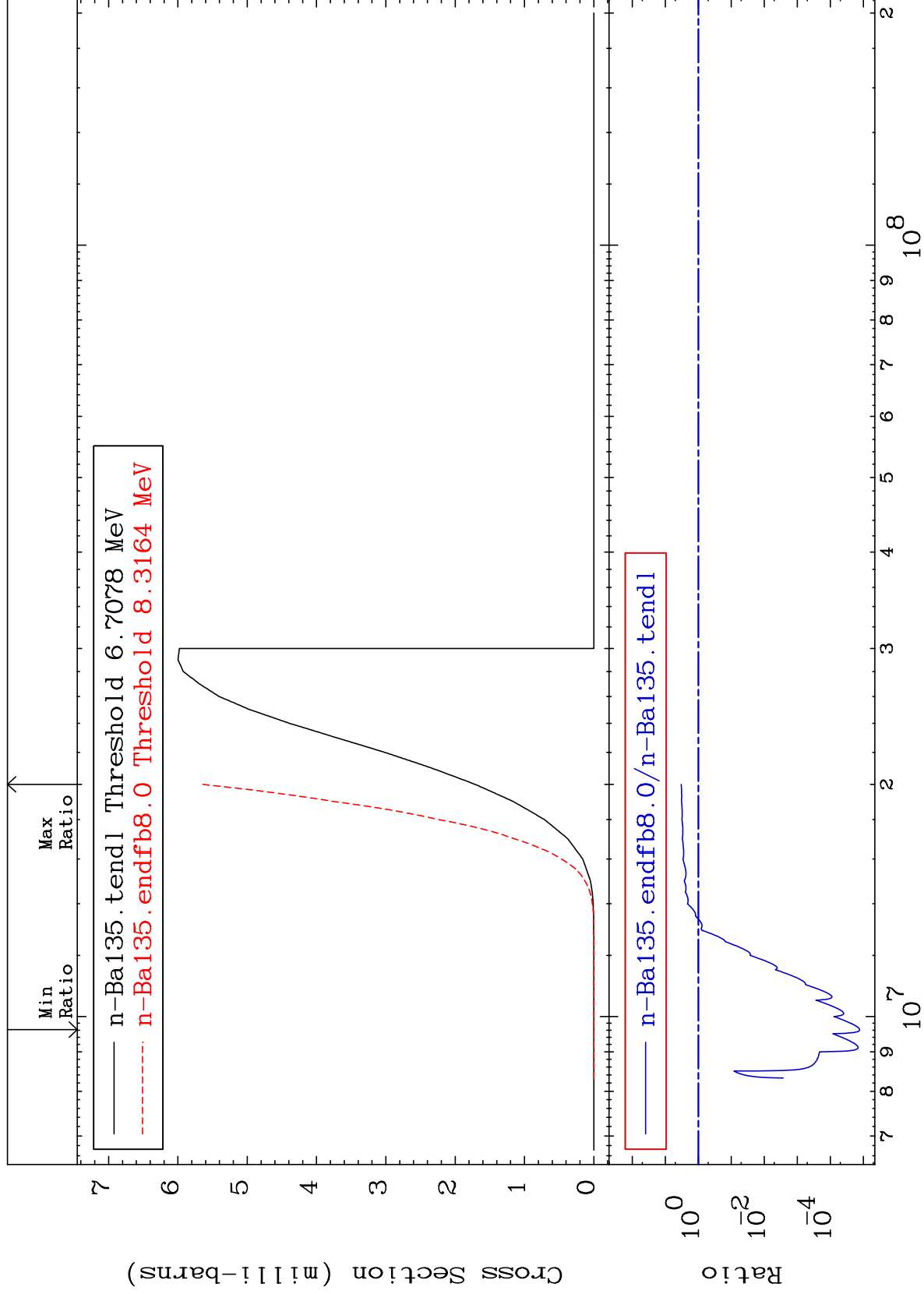
56-Ba-135

MAT 5640

56-Ba-135

(n, t)  
Cross Section

-100.0 To 230.4 %



20

Incident Energy (eV)

56-Ba-135

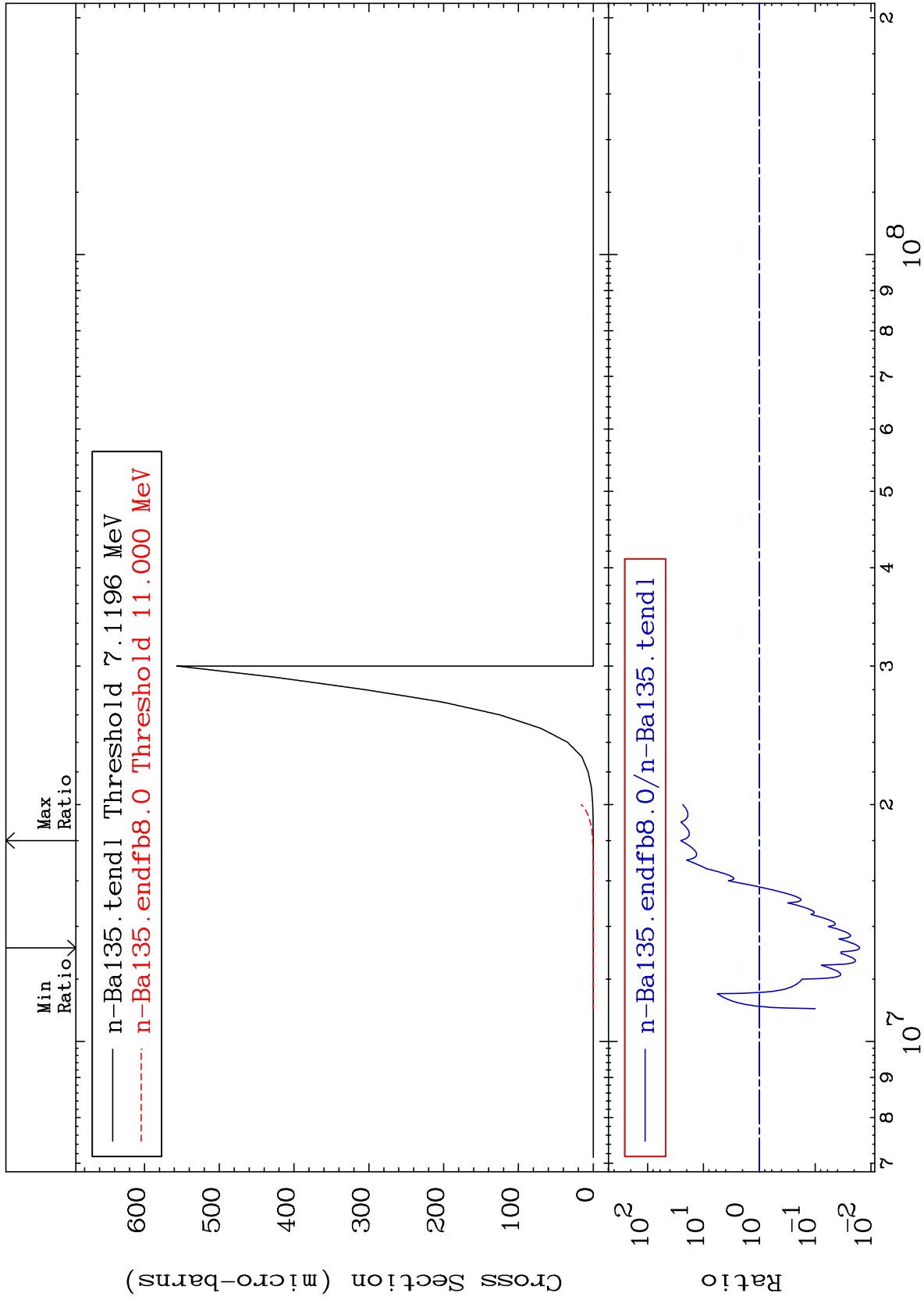
MAT 5640

(n, He-3)

56-Ba-135

Cross Section

-98.39 To 2453. %



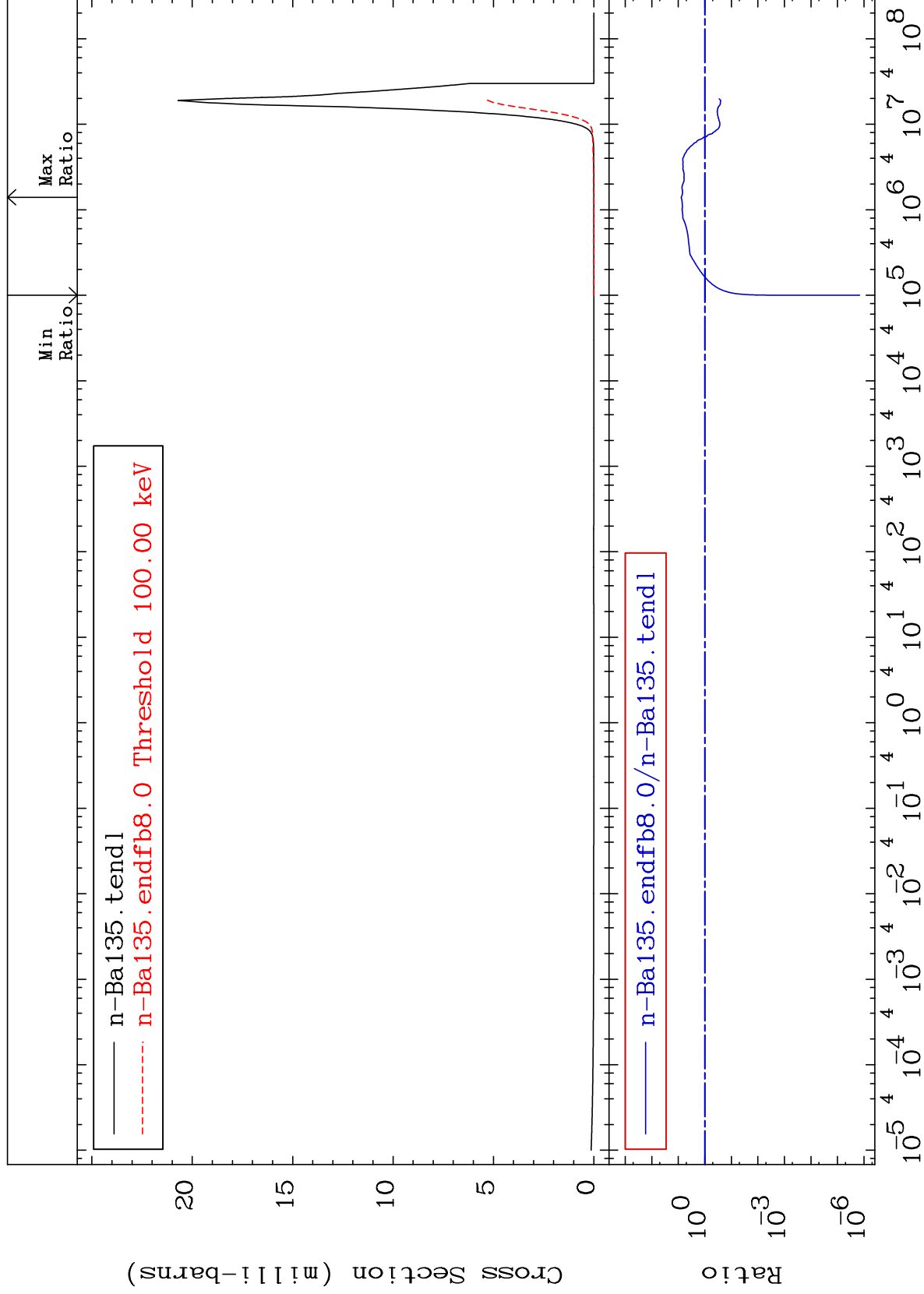
MAT 5640

(n,  $\alpha$ )

56-Ba-135

Cross Section

-100.0 To 676.9 %

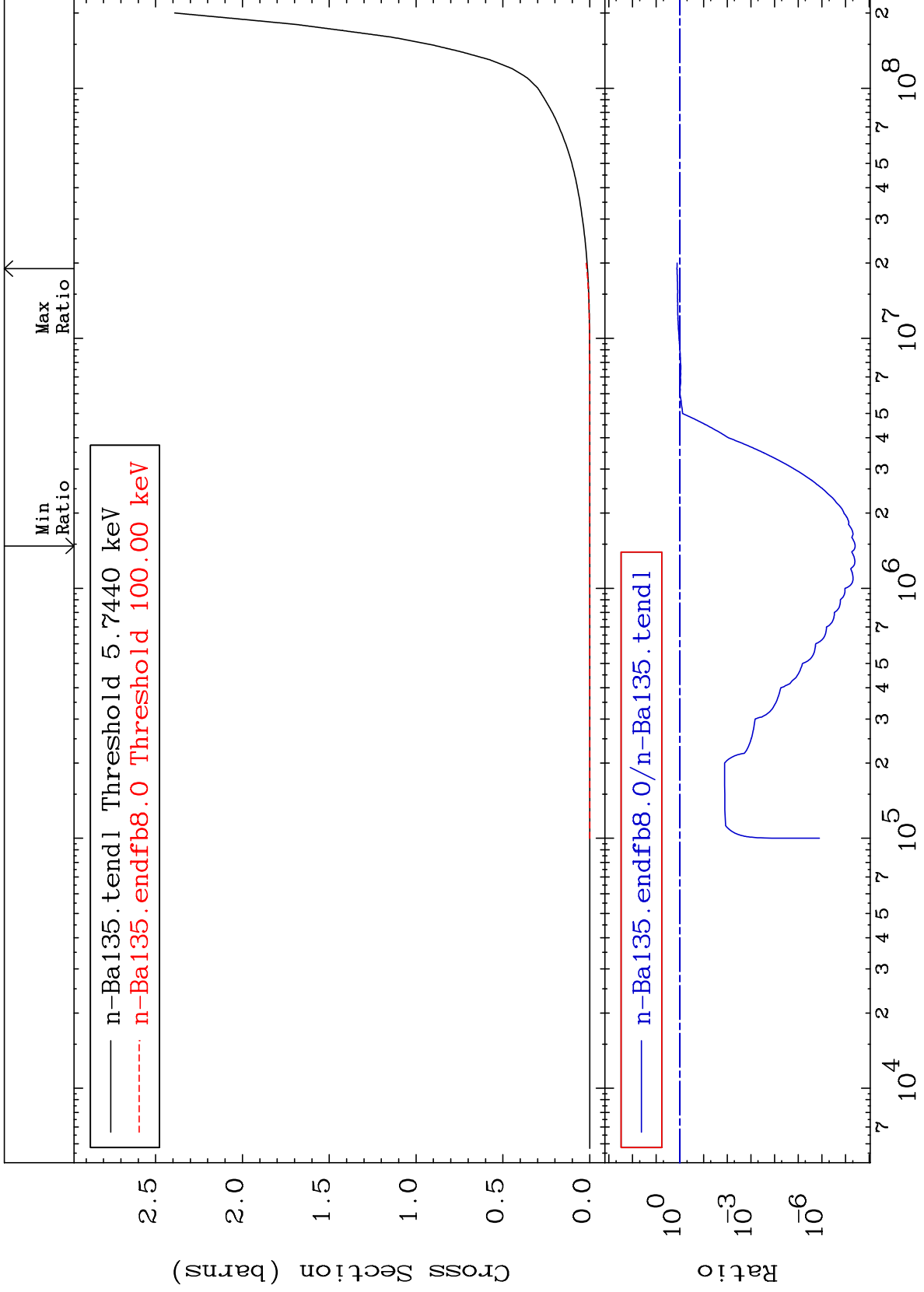


56-Ba-135

MAT 5640

Hydrogen Production  
Cross Section

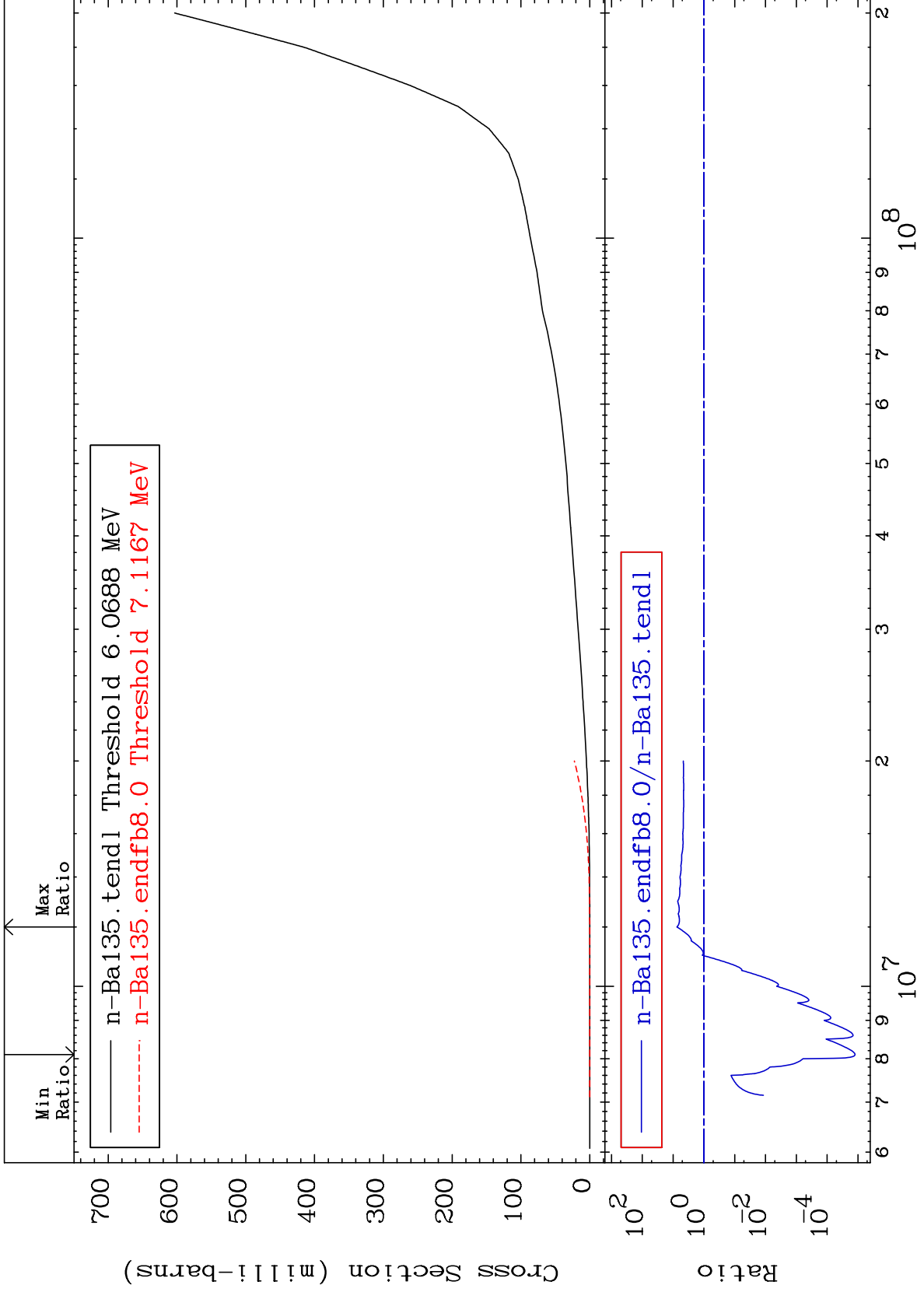
56-Ba-135  
-100.0 To 33.39 %



MAT 5640

### Deuterium Production Cross Section

56-Ba-135  
-100.0 To 650.6 %

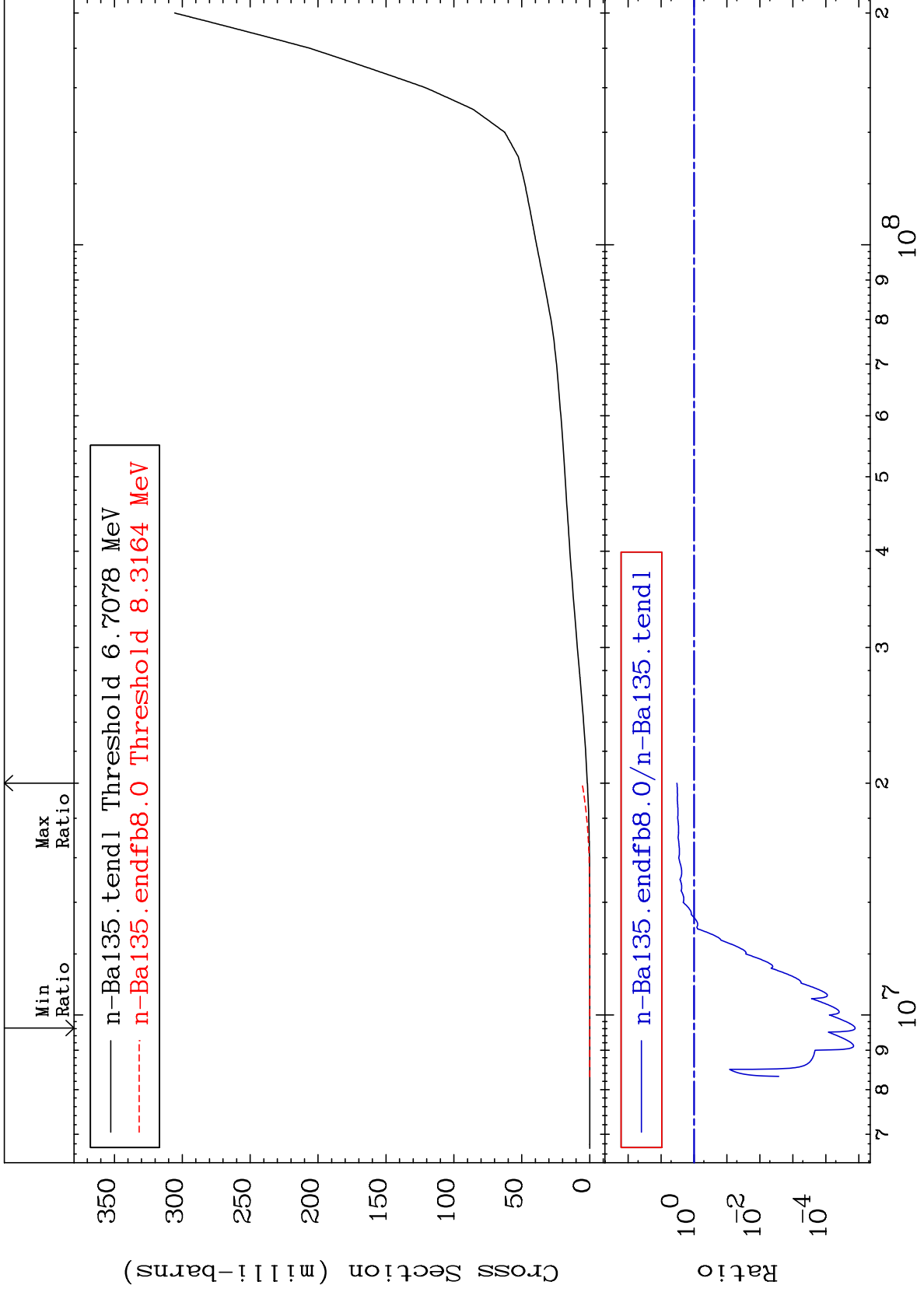




MAT 5640

Tritium Production  
Cross Section

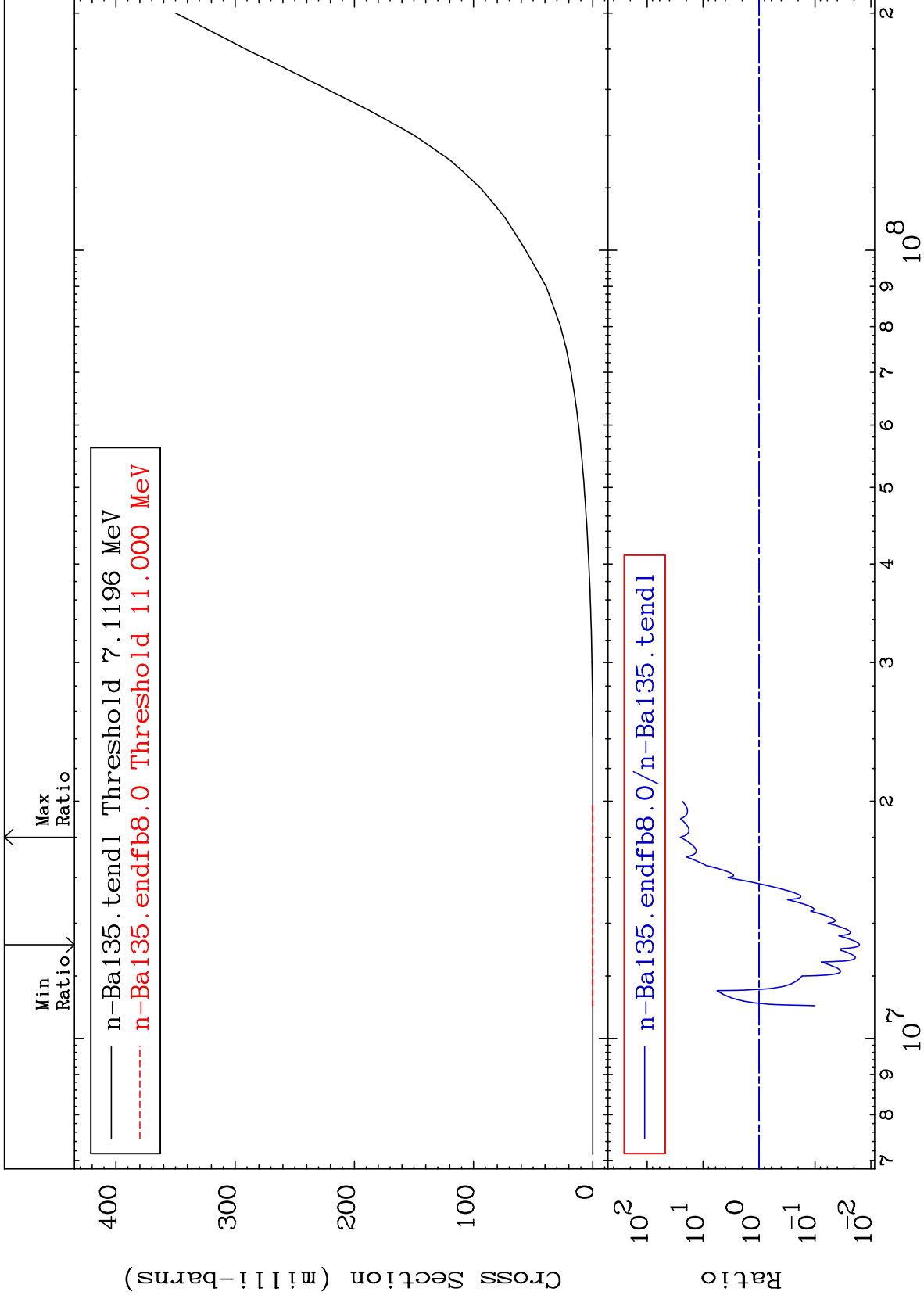
56-Ba-135  
-100.0 To 230.4 %



MAT 5640

He-3 Production  
Cross Section

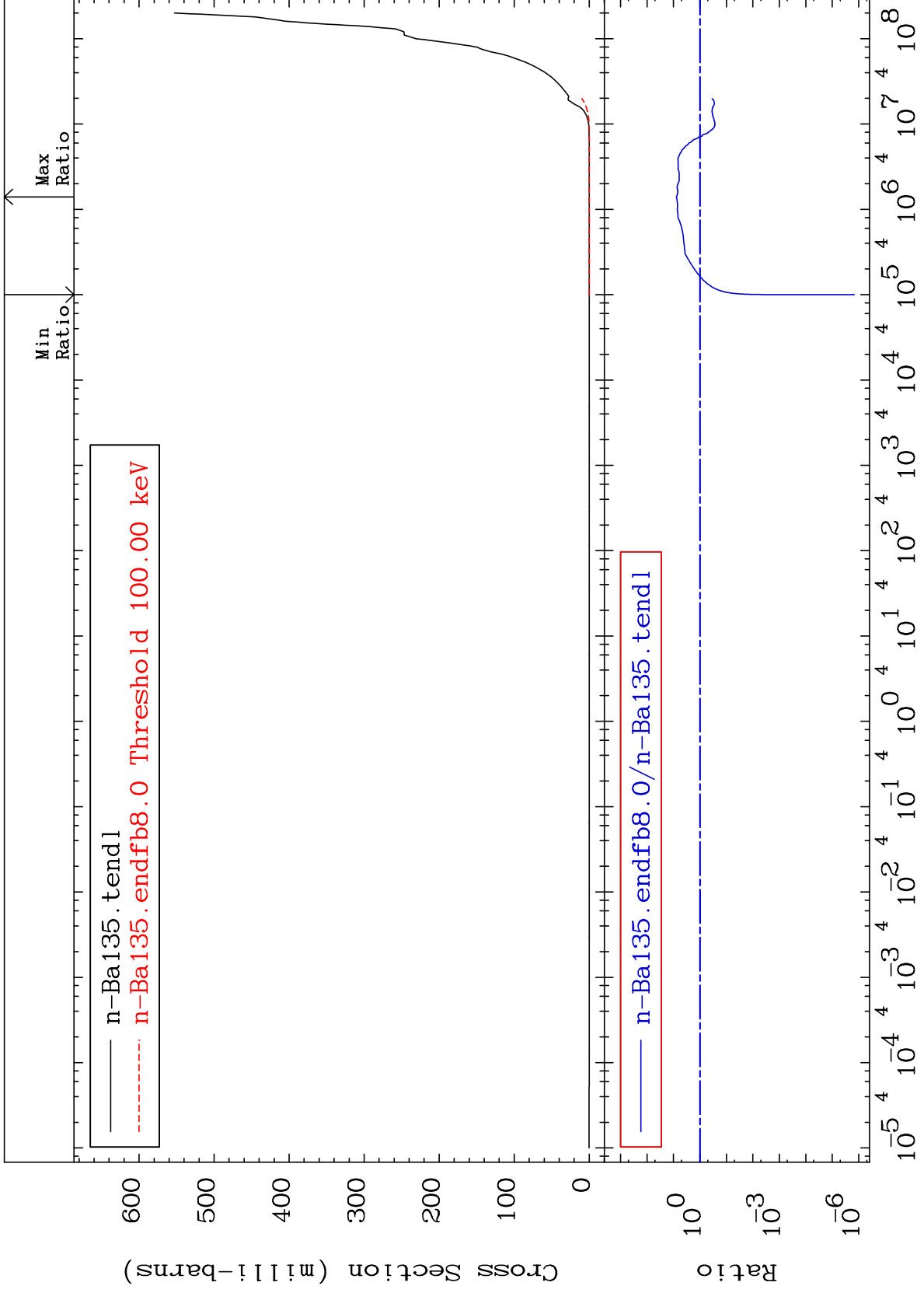
56-Ba-135  
-98.39 To 2453. %



MAT 5640

He-4 Production  
Cross Section

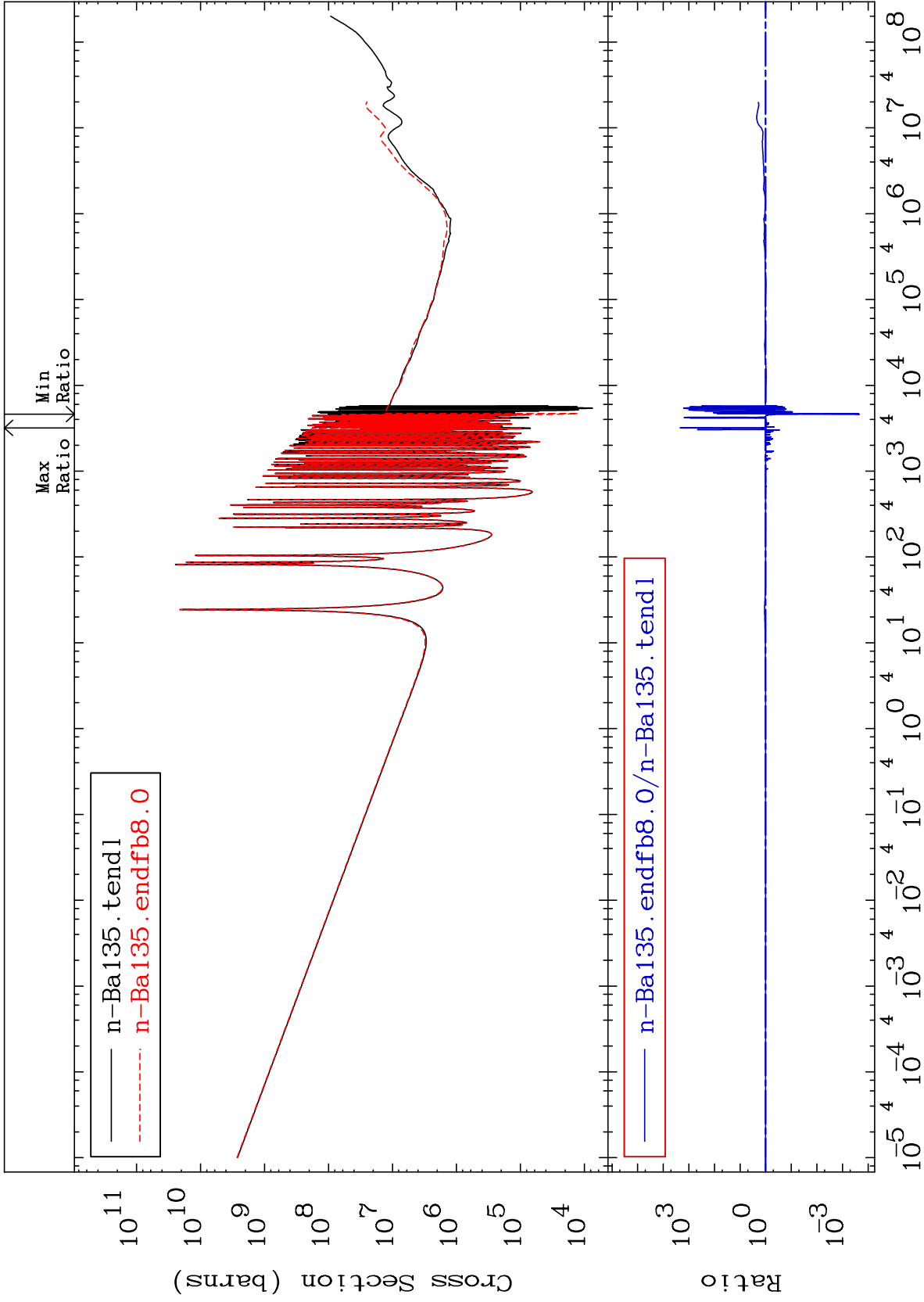
56-Ba-135  
-100.0 To 676.9 %



27

Incident Energy (eV)

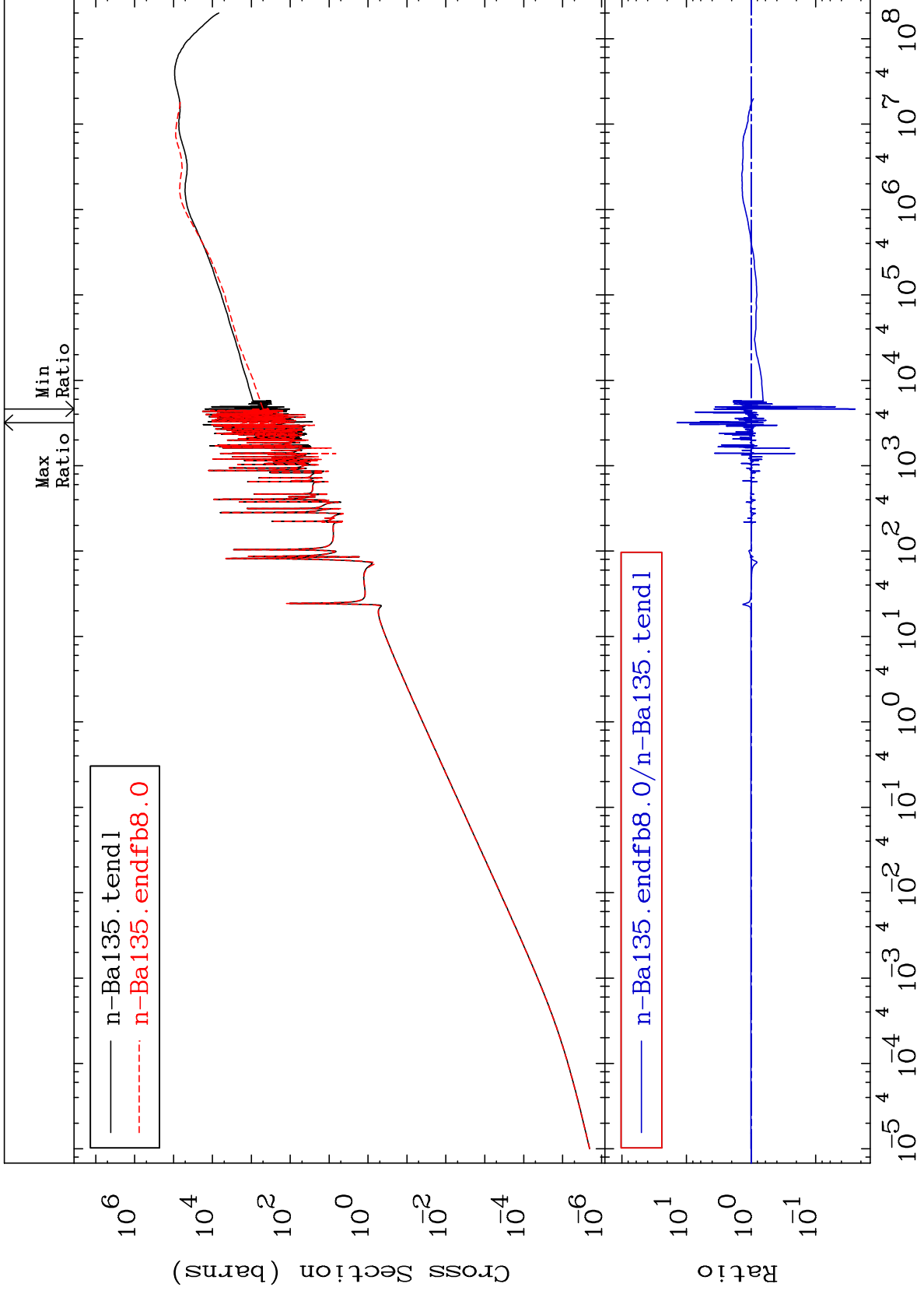
56-Ba-135

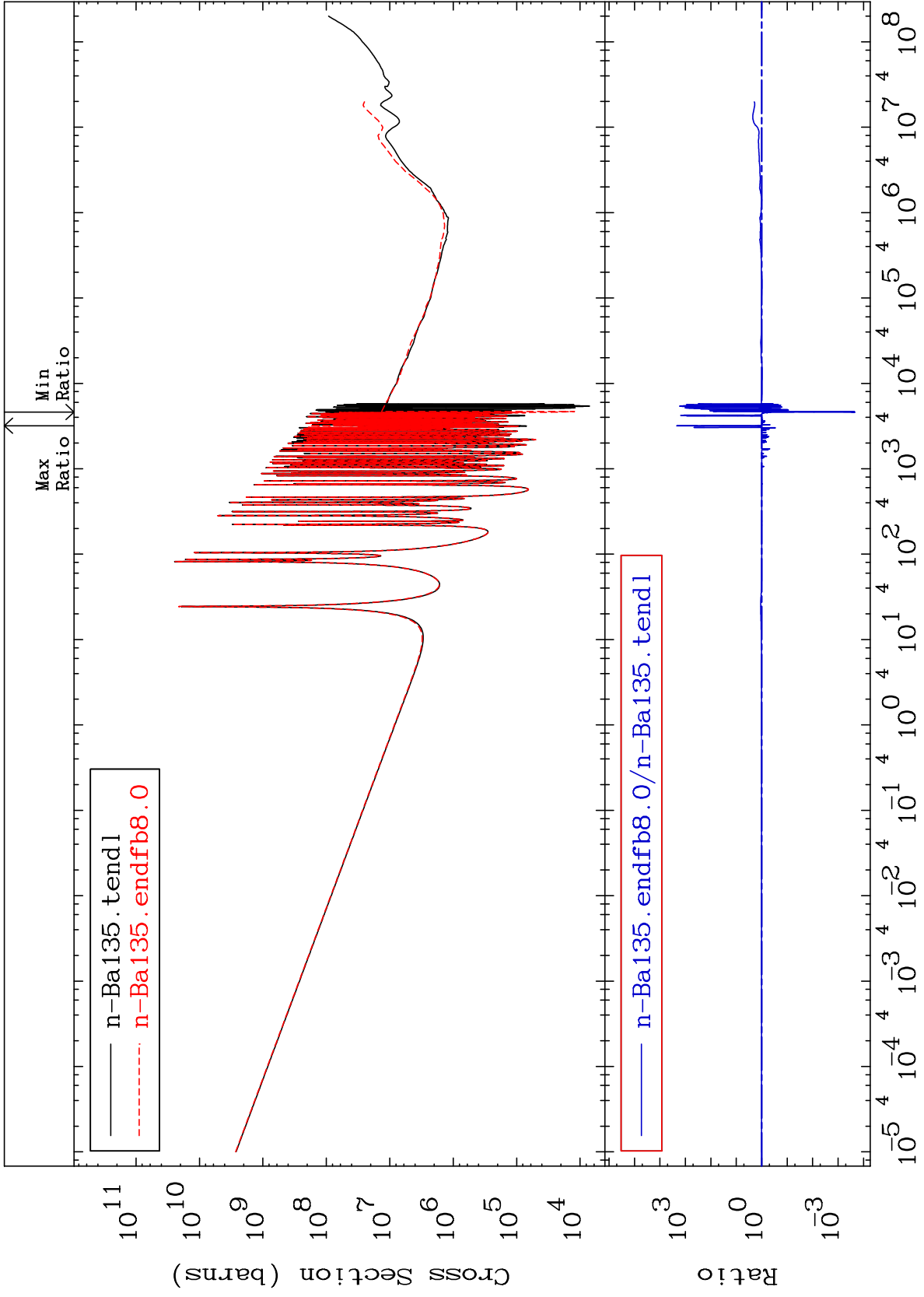


MAT 5640

Kerma elastic  
Cross Section

56-Ba-135  
-97.54 To 1306. %

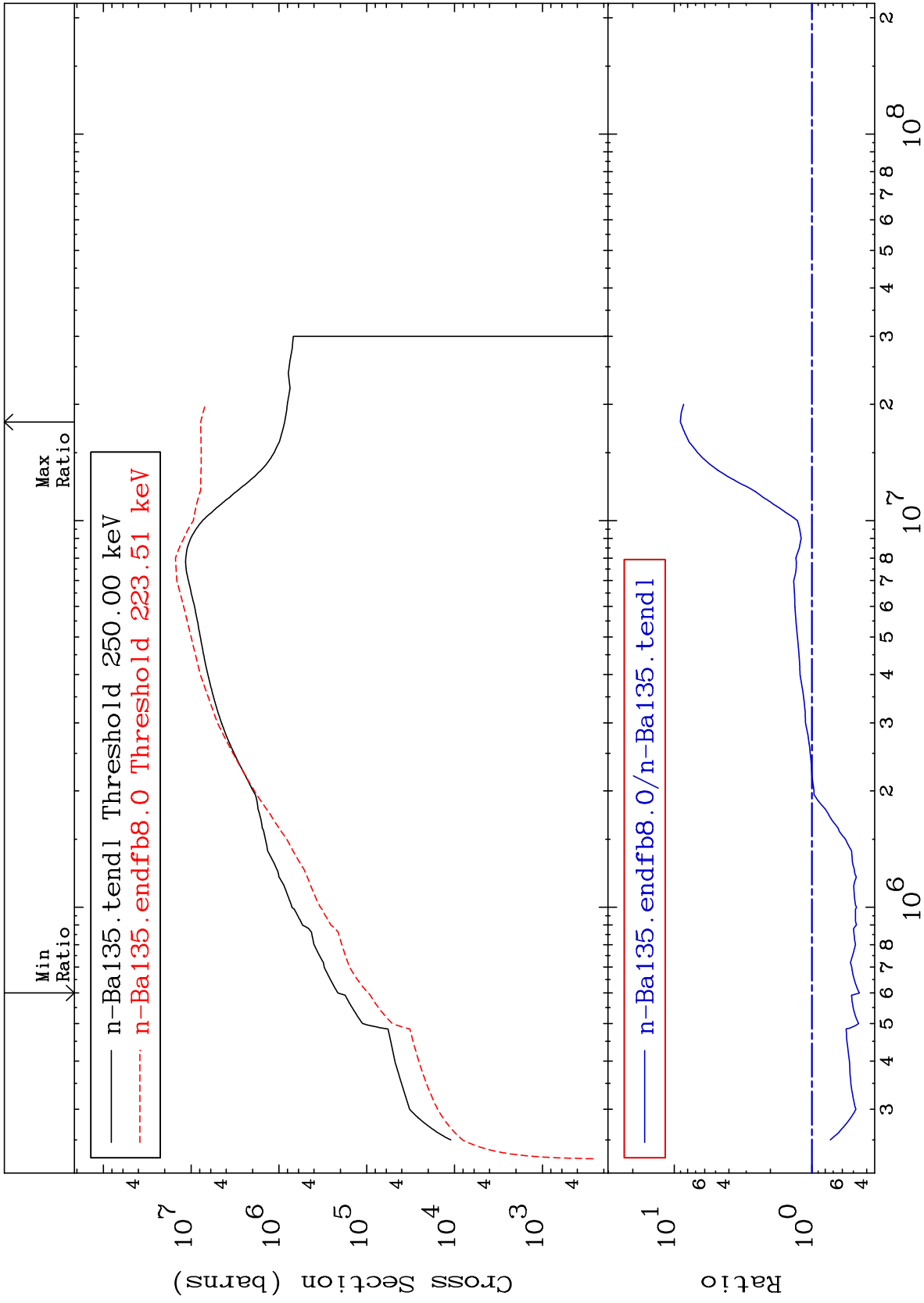




MAT 5640

Kerma inelastic (mt51-91)  
Cross Section

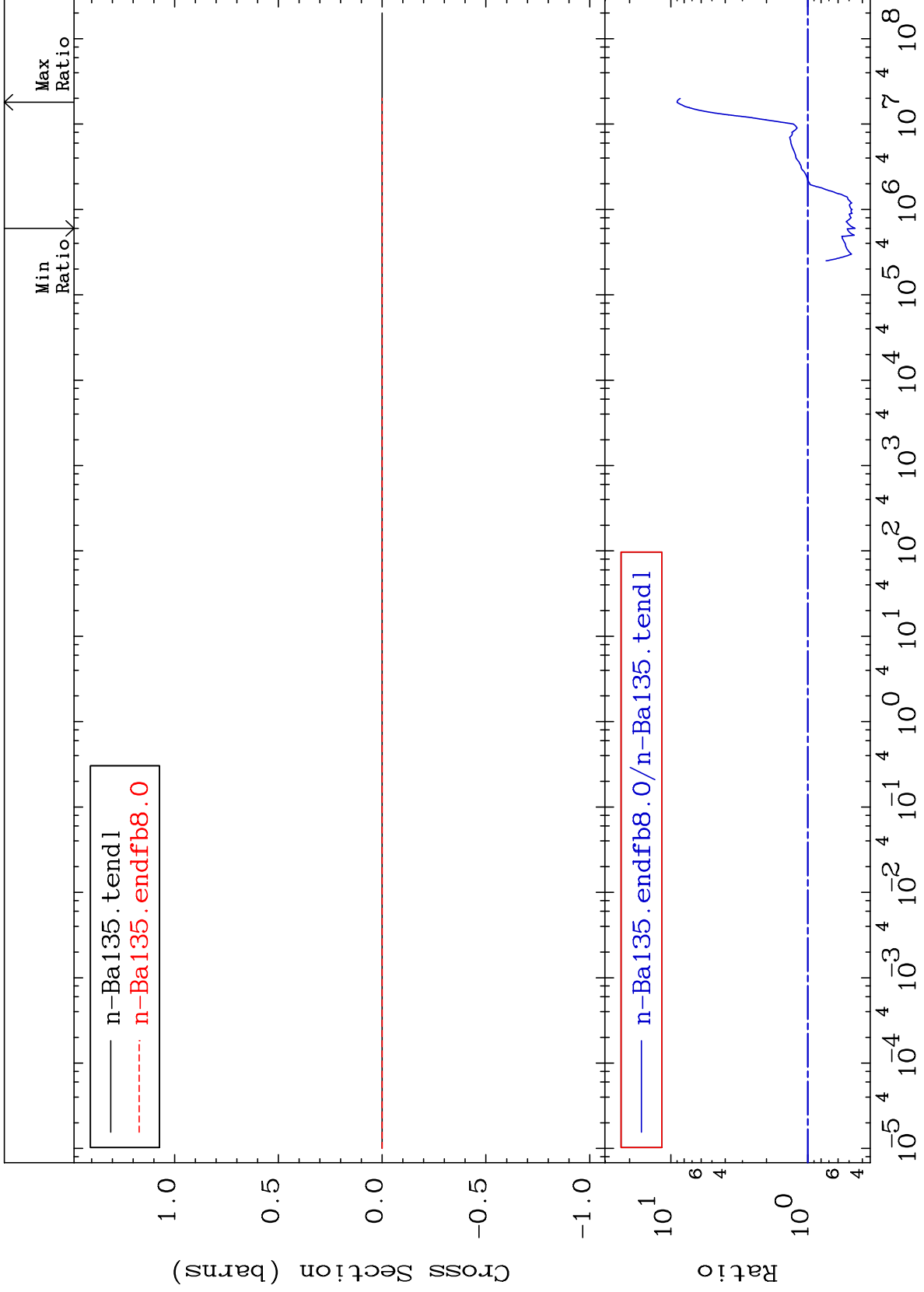
56-Ba-135  
-54.85 To 801.7 %



MAT 5640

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

56-Ba-135  
-54.85 To 801.7 %

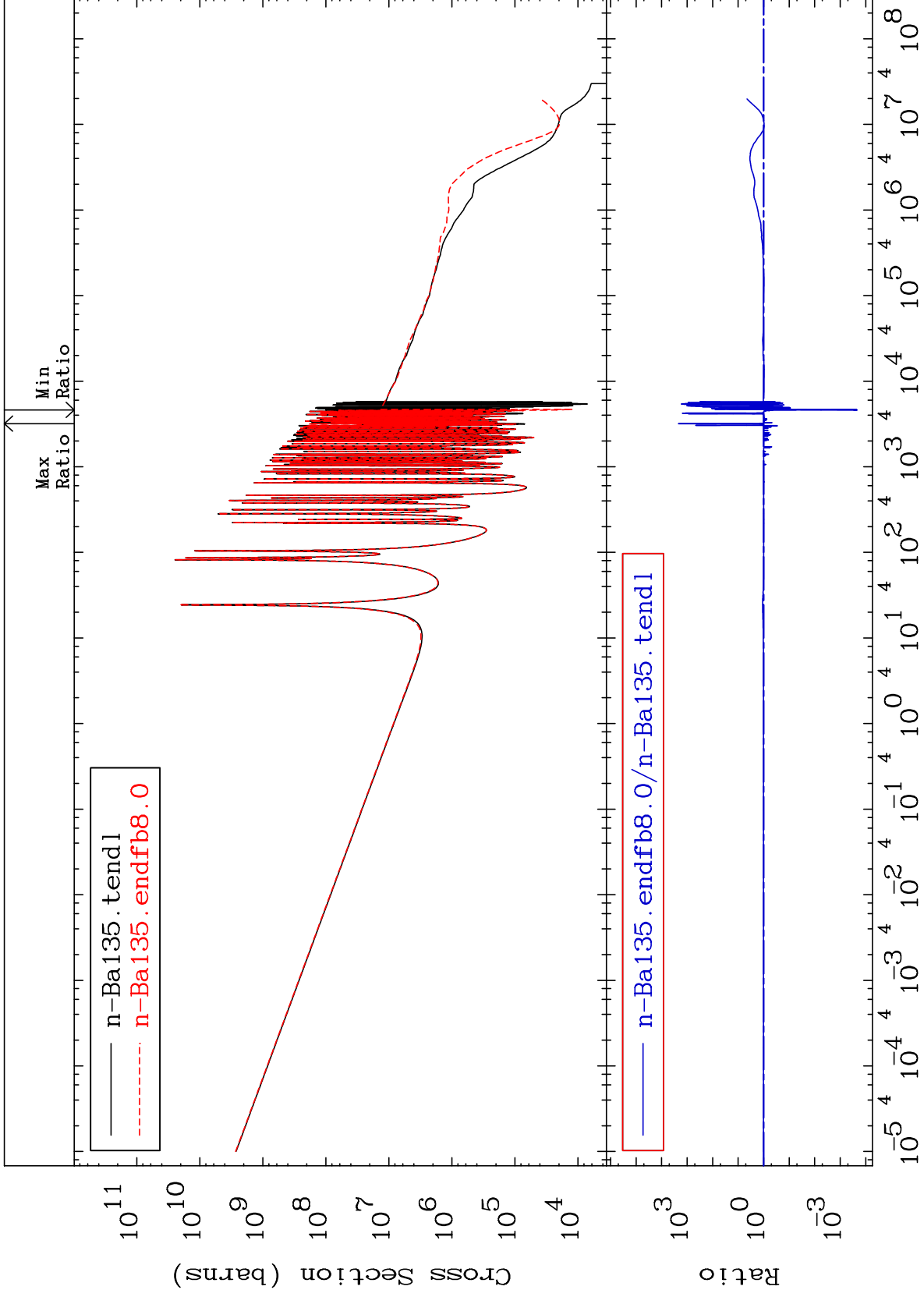


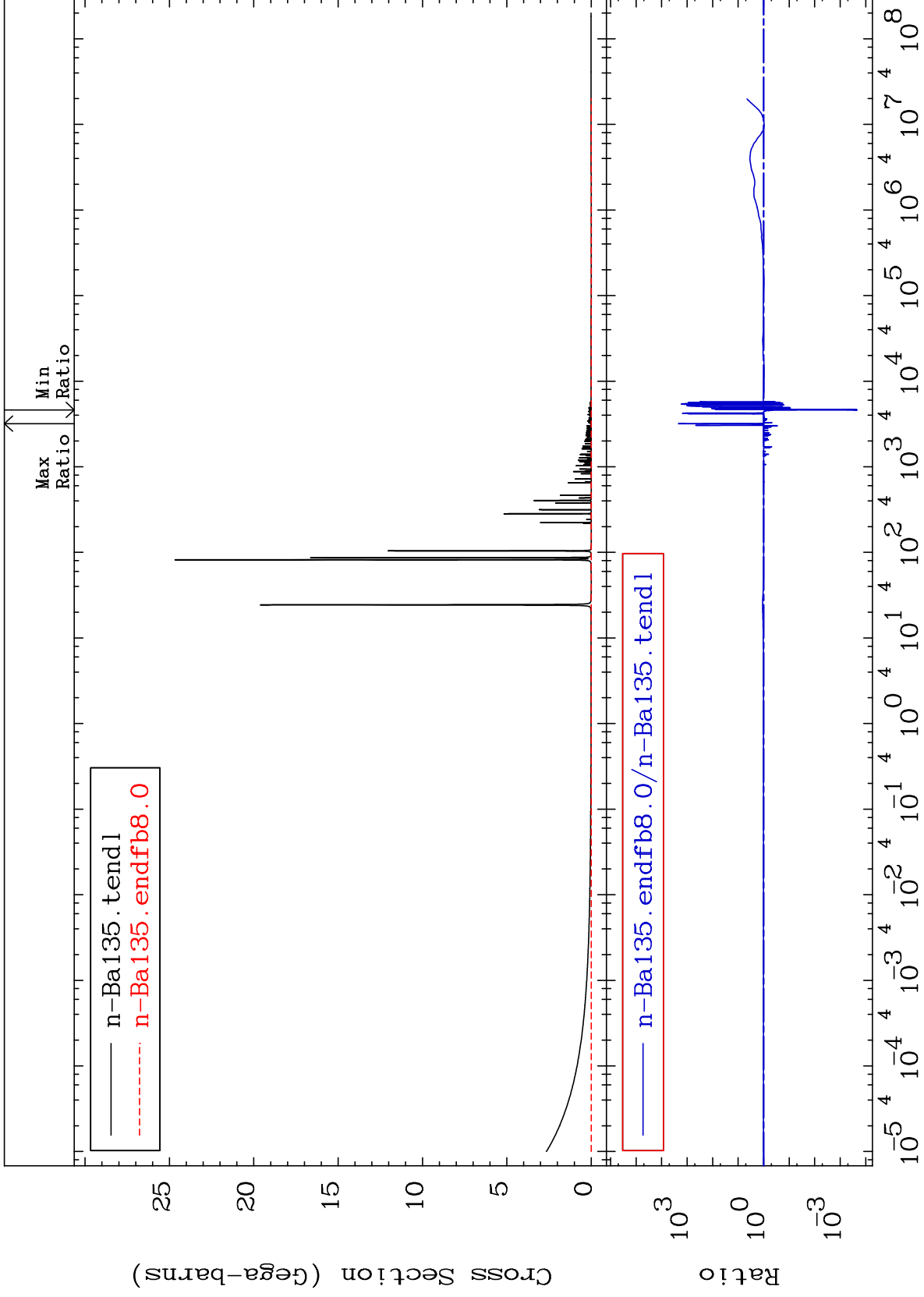
Incident Energy (eV)

56-Ba-135

32



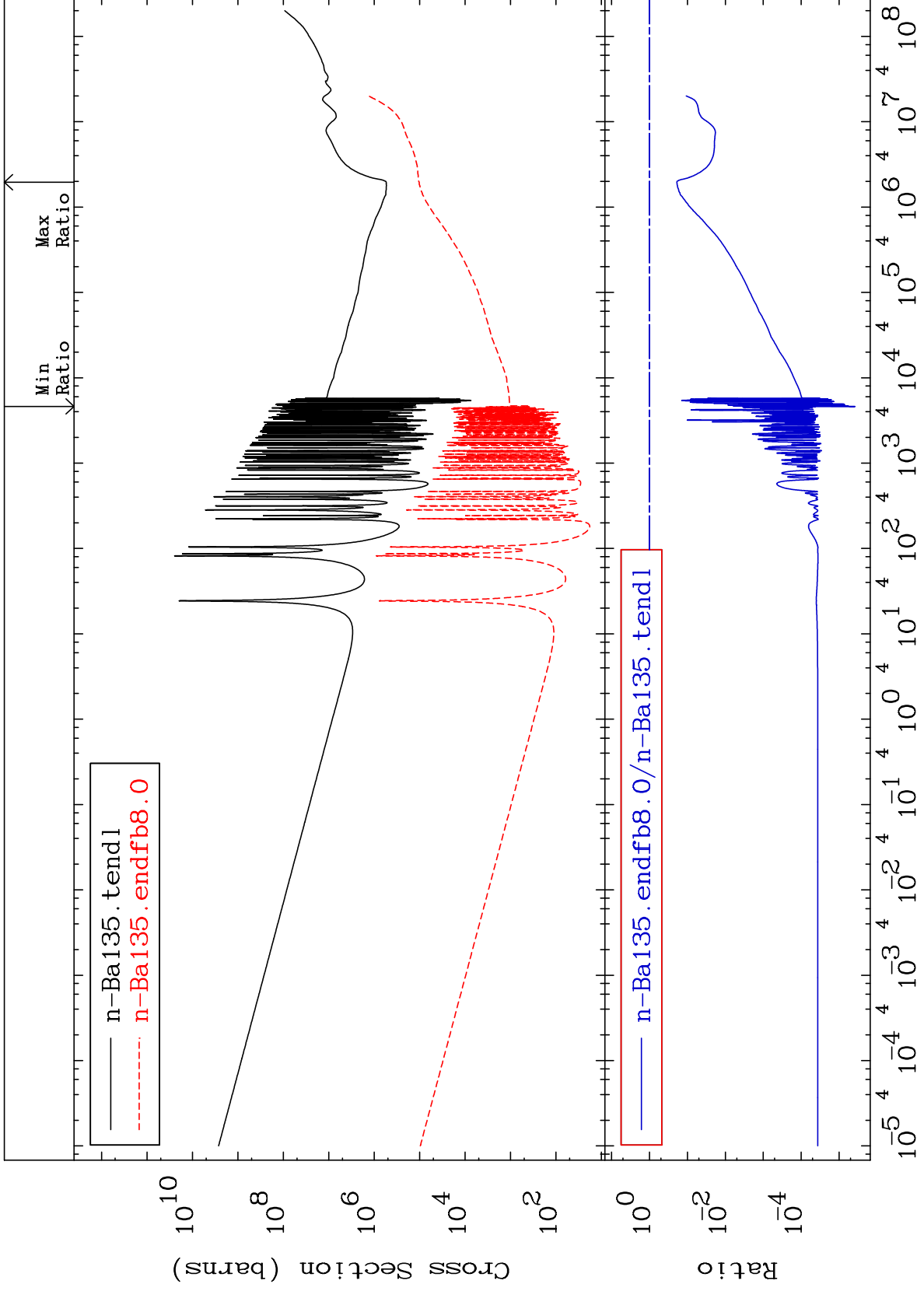




MAT 5640

Total kinematic kerma (high limit)  
Cross Section

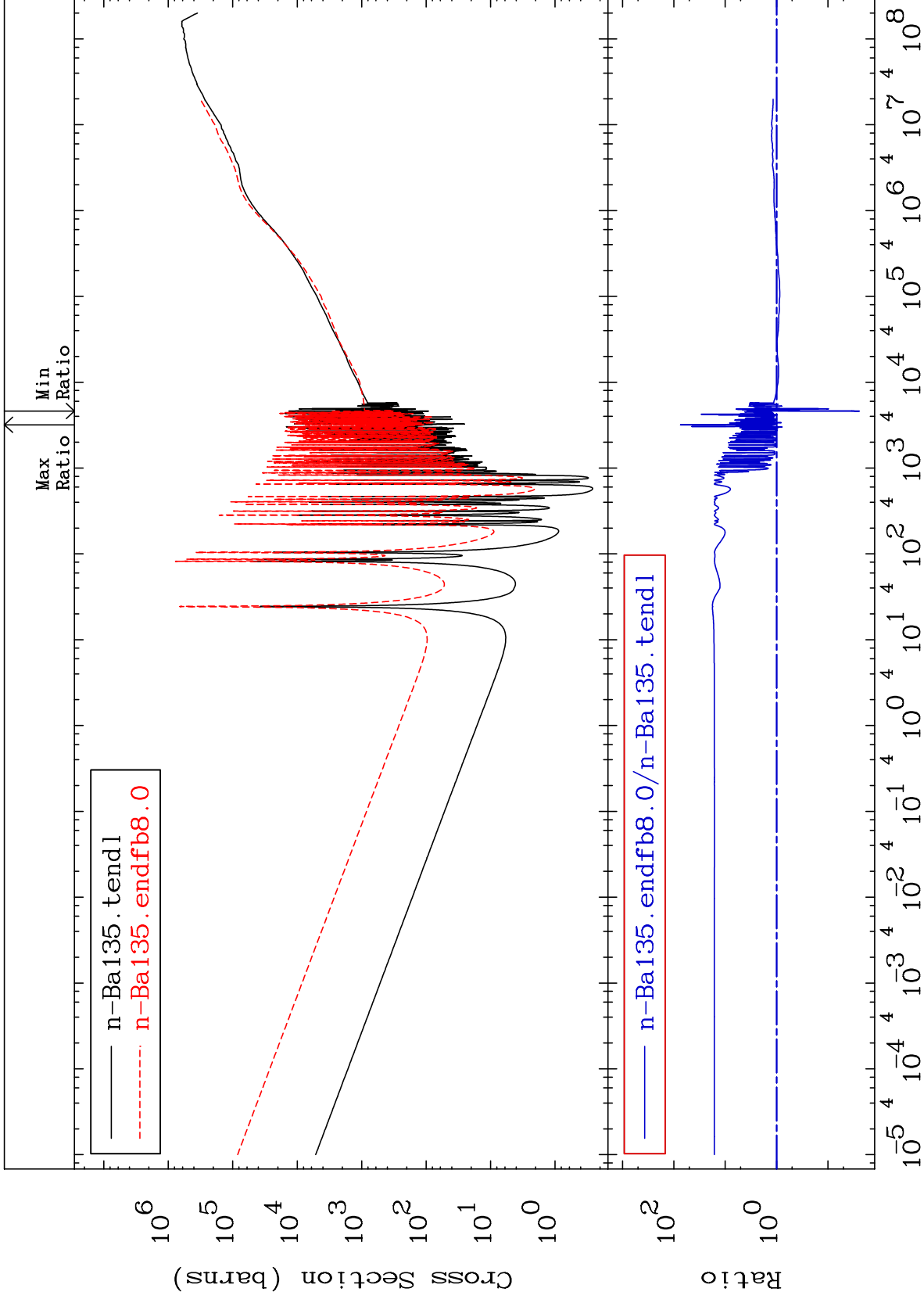
56-Ba-135  
-100.0 To -81.09%



35

Incident Energy (eV)

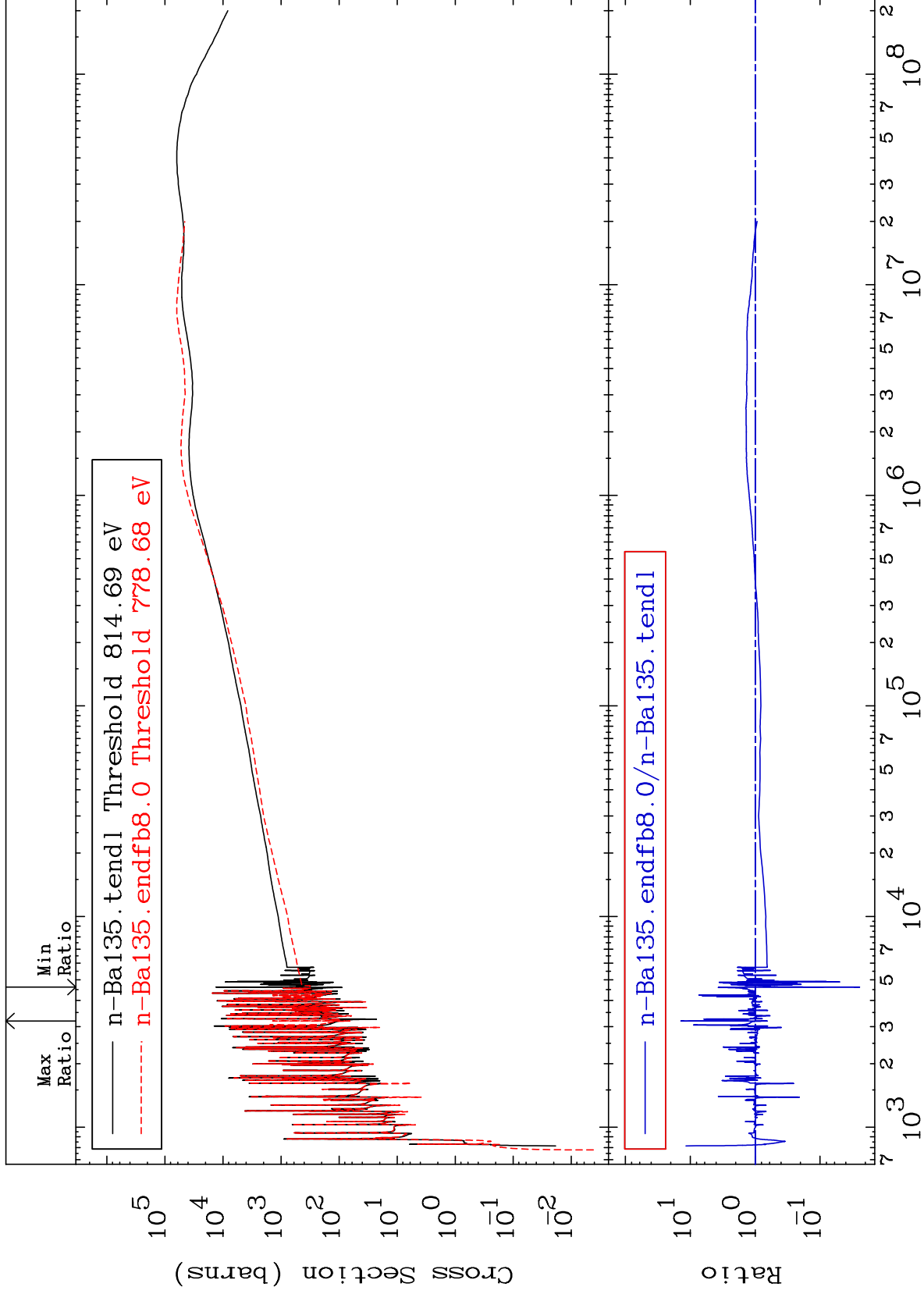
56-Ba-135



MAT 5640

Dpa elastic (mt2)  
Cross Section

56-Ba-135  
-97.54 To 1300. %



37

Incident Energy (eV)

56-Ba-135

MAT 5640

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-135  
-52.11 To 359.5 %

