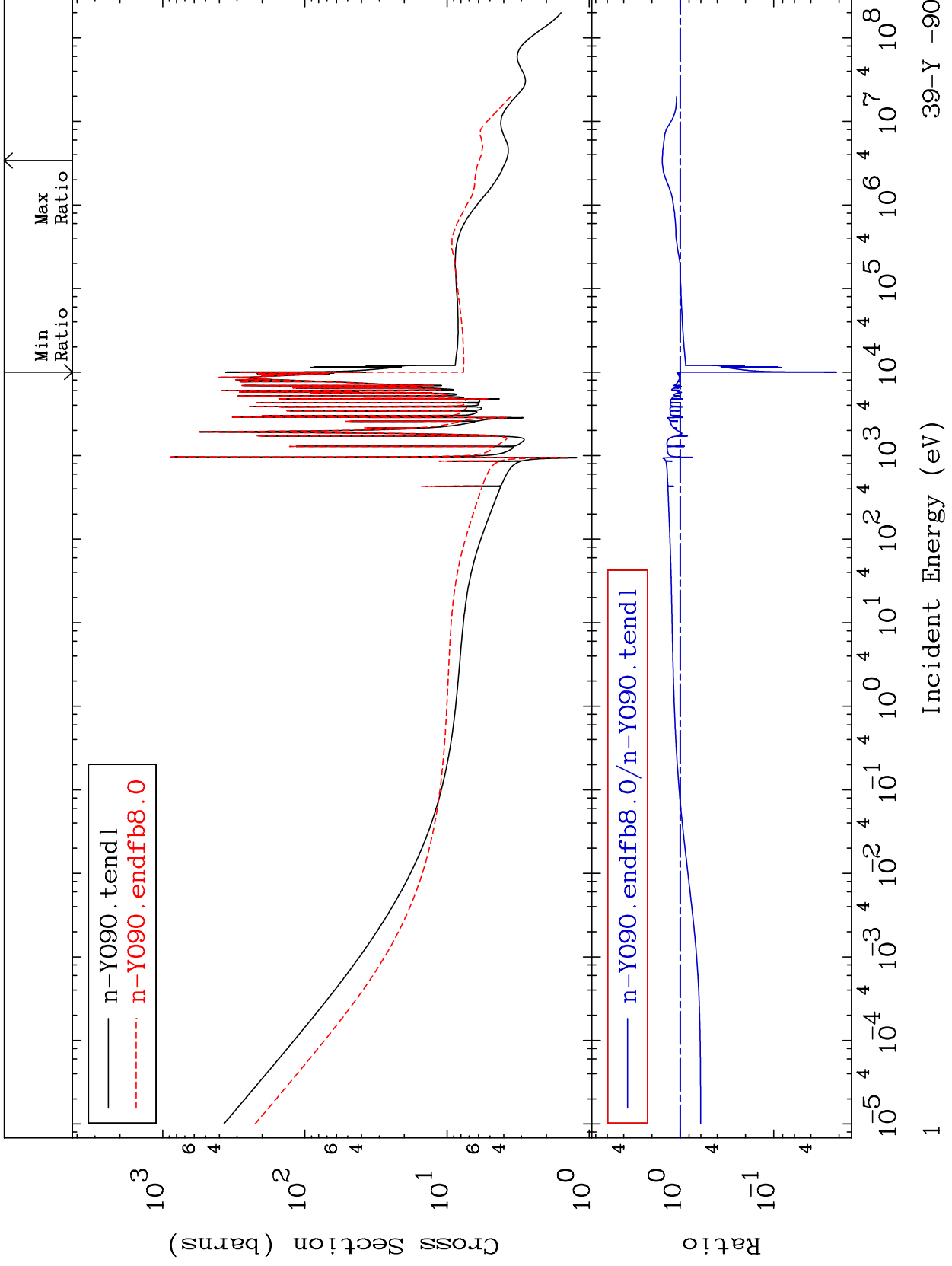


MAT 3928

Total  
Cross Section

39-Y -90  
-97.88 To 54.82 %

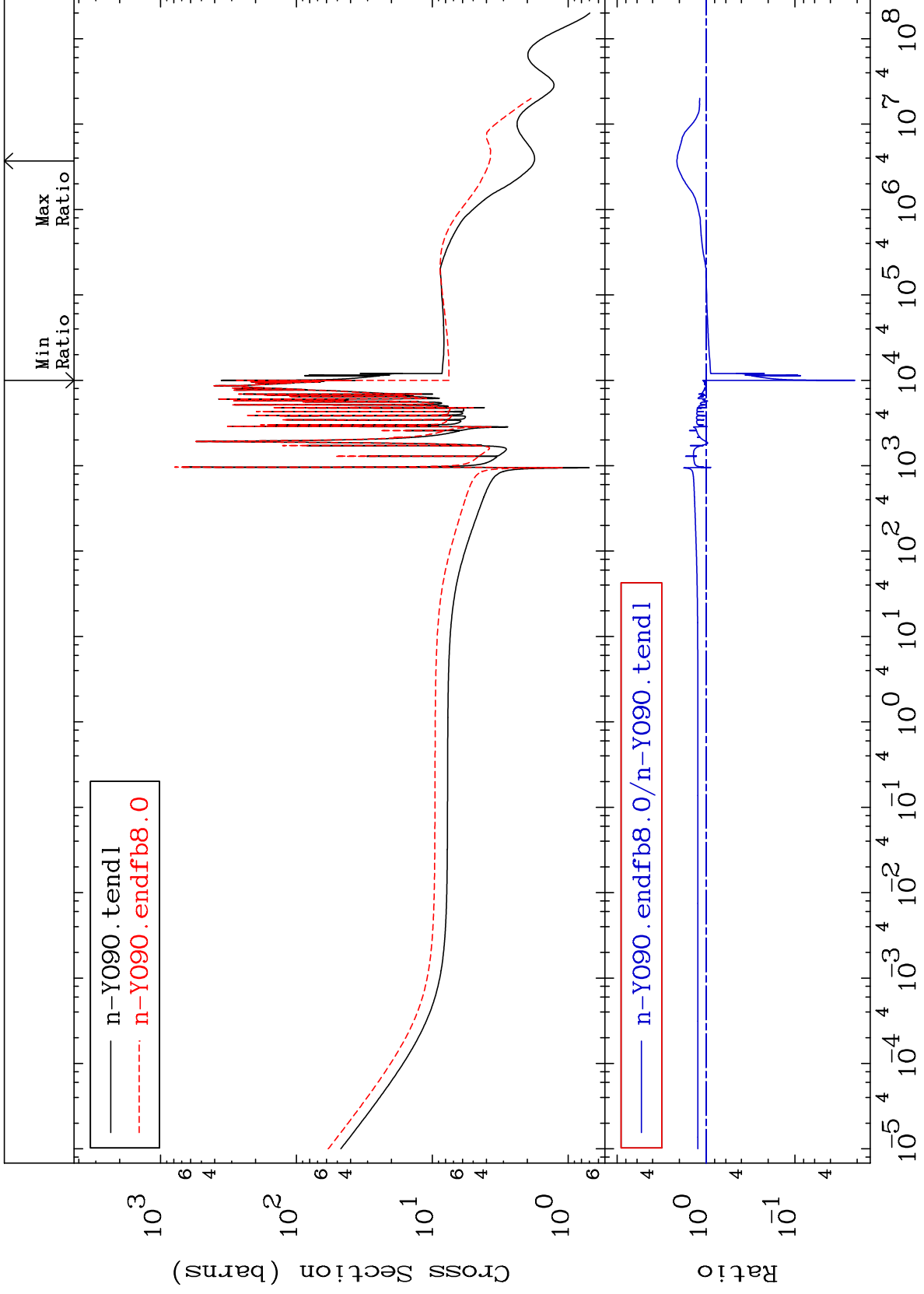


39-Y -90

MAT 3928

Elastic  
Cross Section

39-Y -90  
-97.89 To 113.0 %



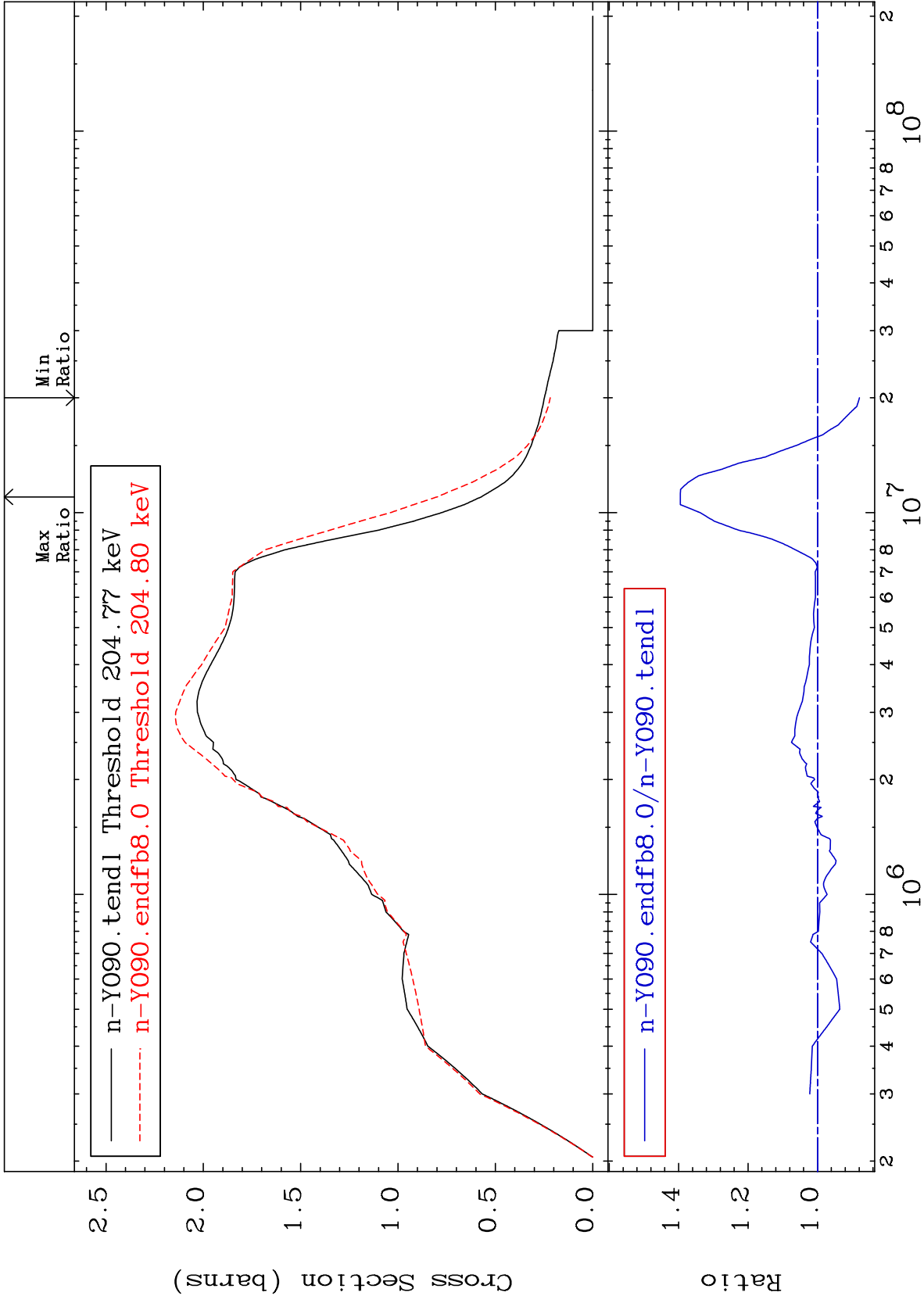
Incident Energy (eV)

39-Y -90

MAT 3928

39-Y -90  
-12.09 To 39.50 %

Inelastic  
Cross Section



3

Incident Energy (eV)

39-Y -90

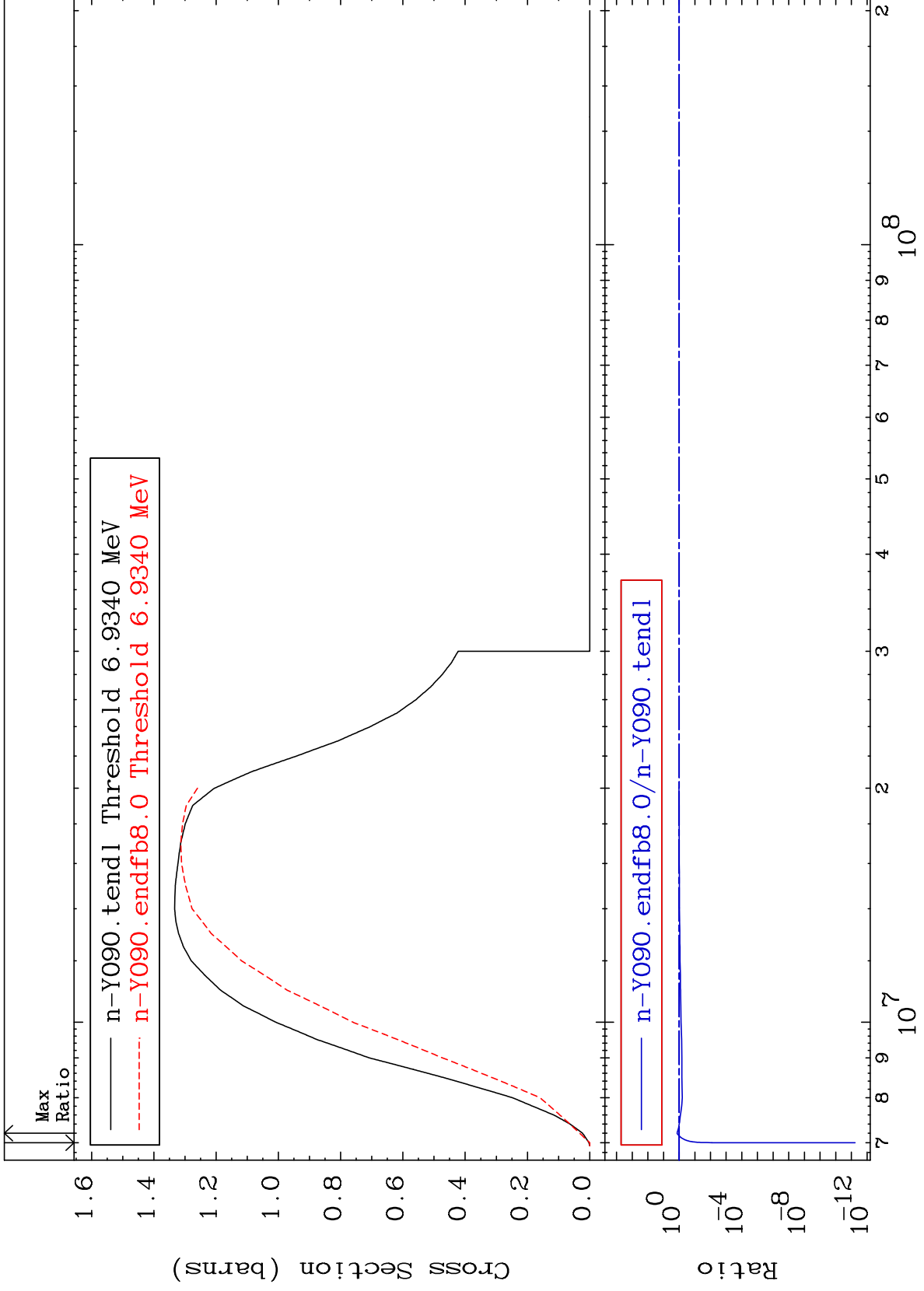
MAT 3928

(n,2n)

39-Y -90

Cross Section

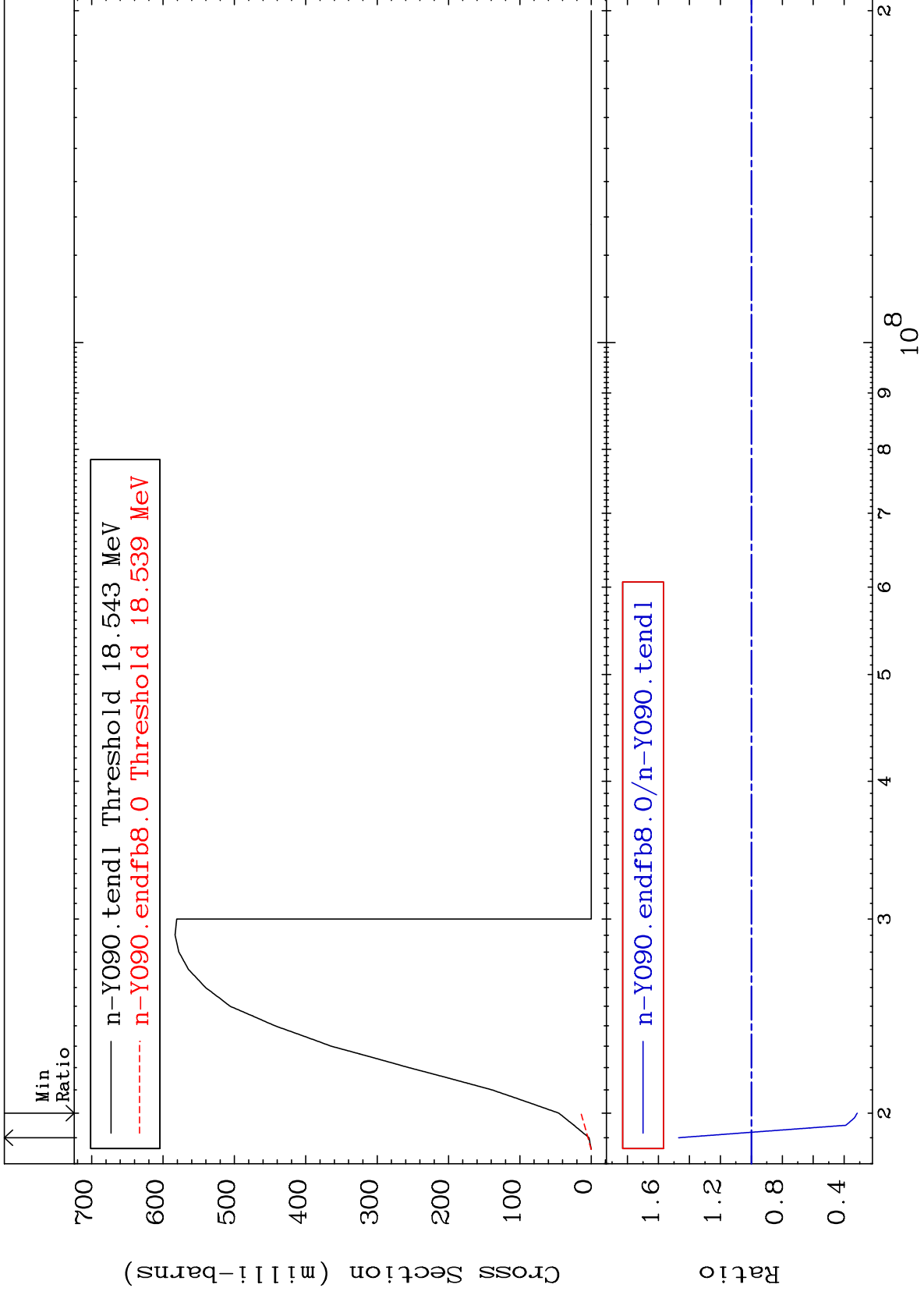
-100.0 To 39.22 %



MAT 3928

(n,3n)  
Cross Section

39-Y -90  
-68.43 To 46.97 %



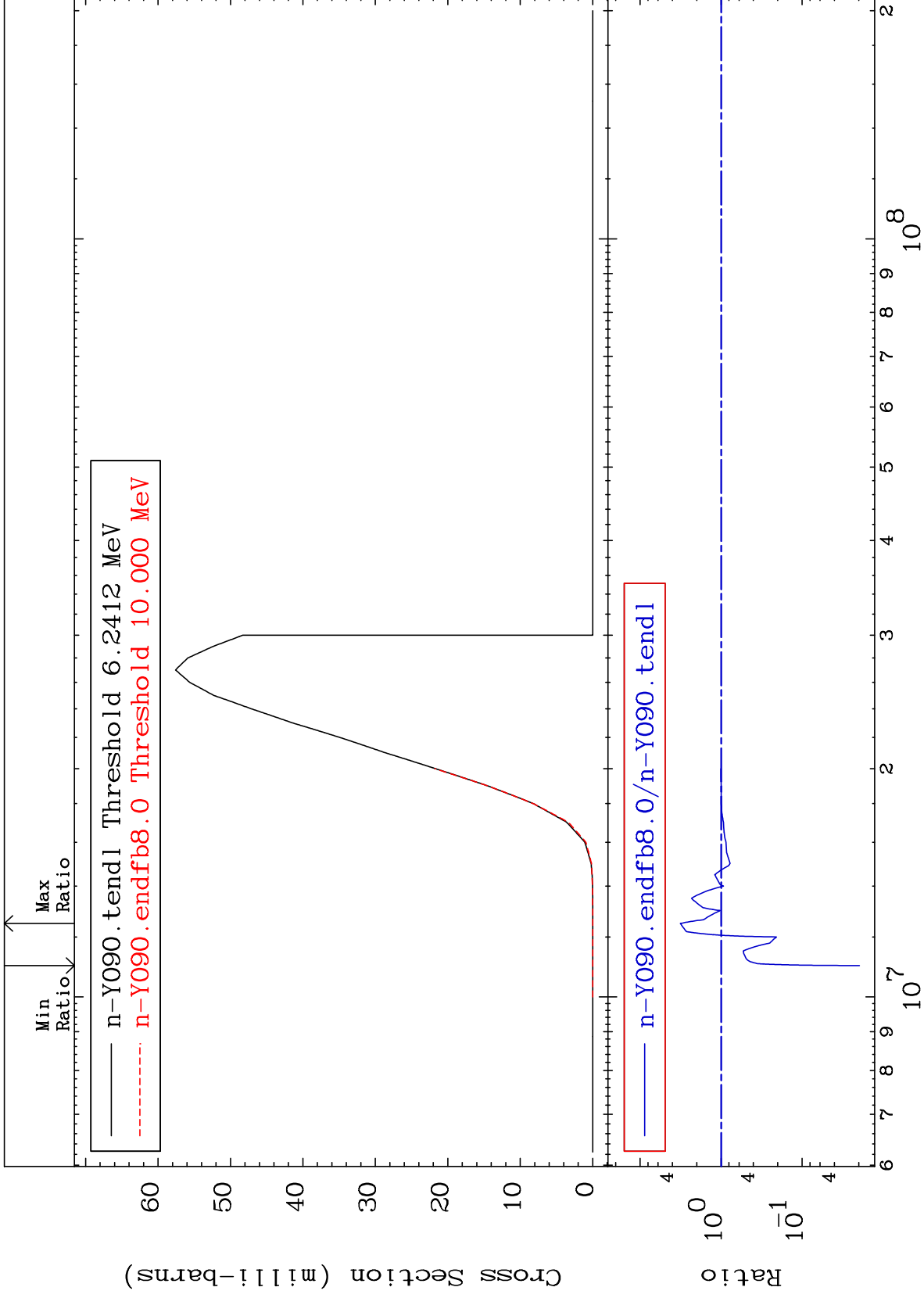
MAT 3928

(n, n')  $\alpha$

Cross Section

39-Y -90

-98.04 To 218.5 %



6

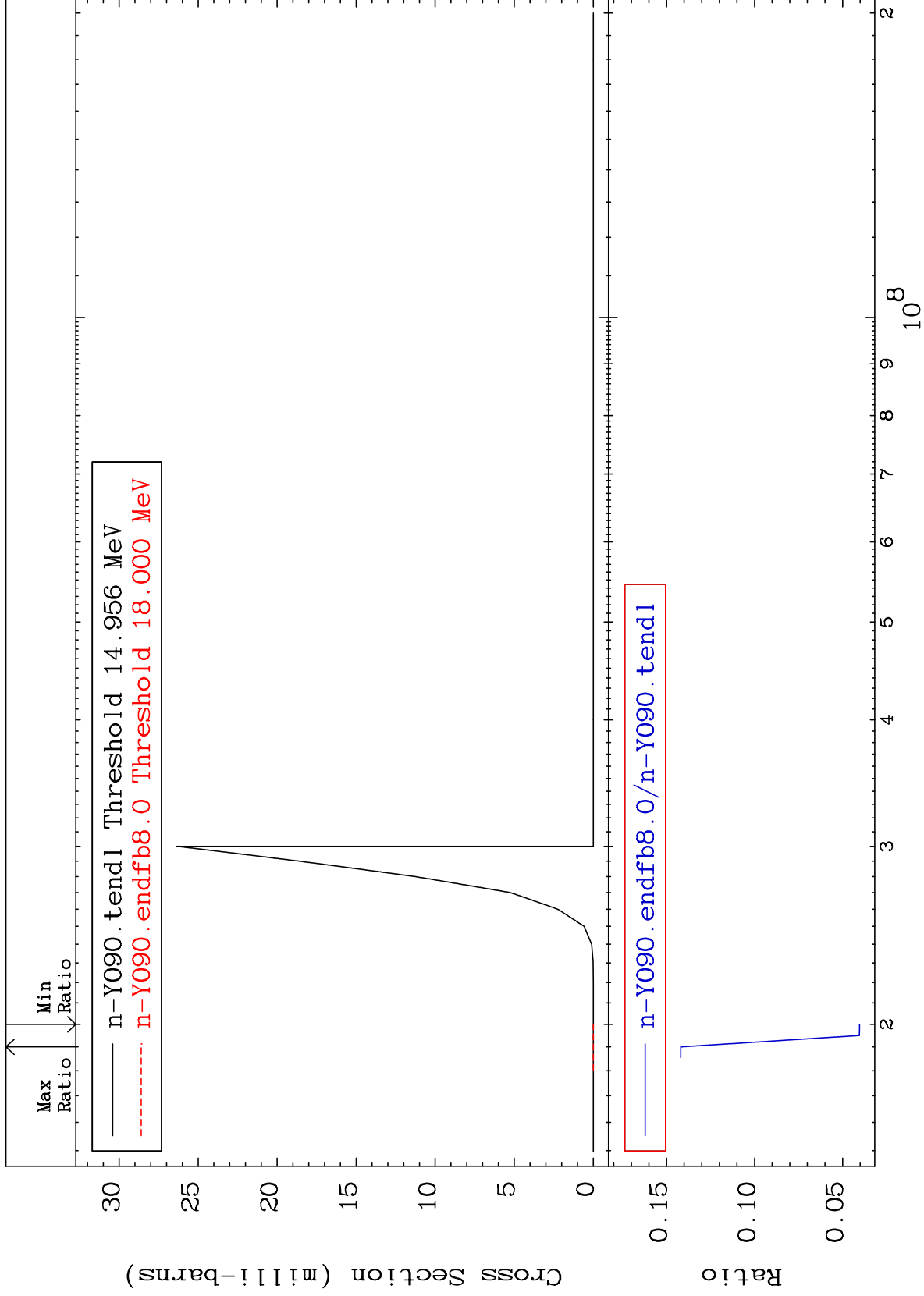
Incident Energy (eV)

39-Y -90

MAT 3928

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

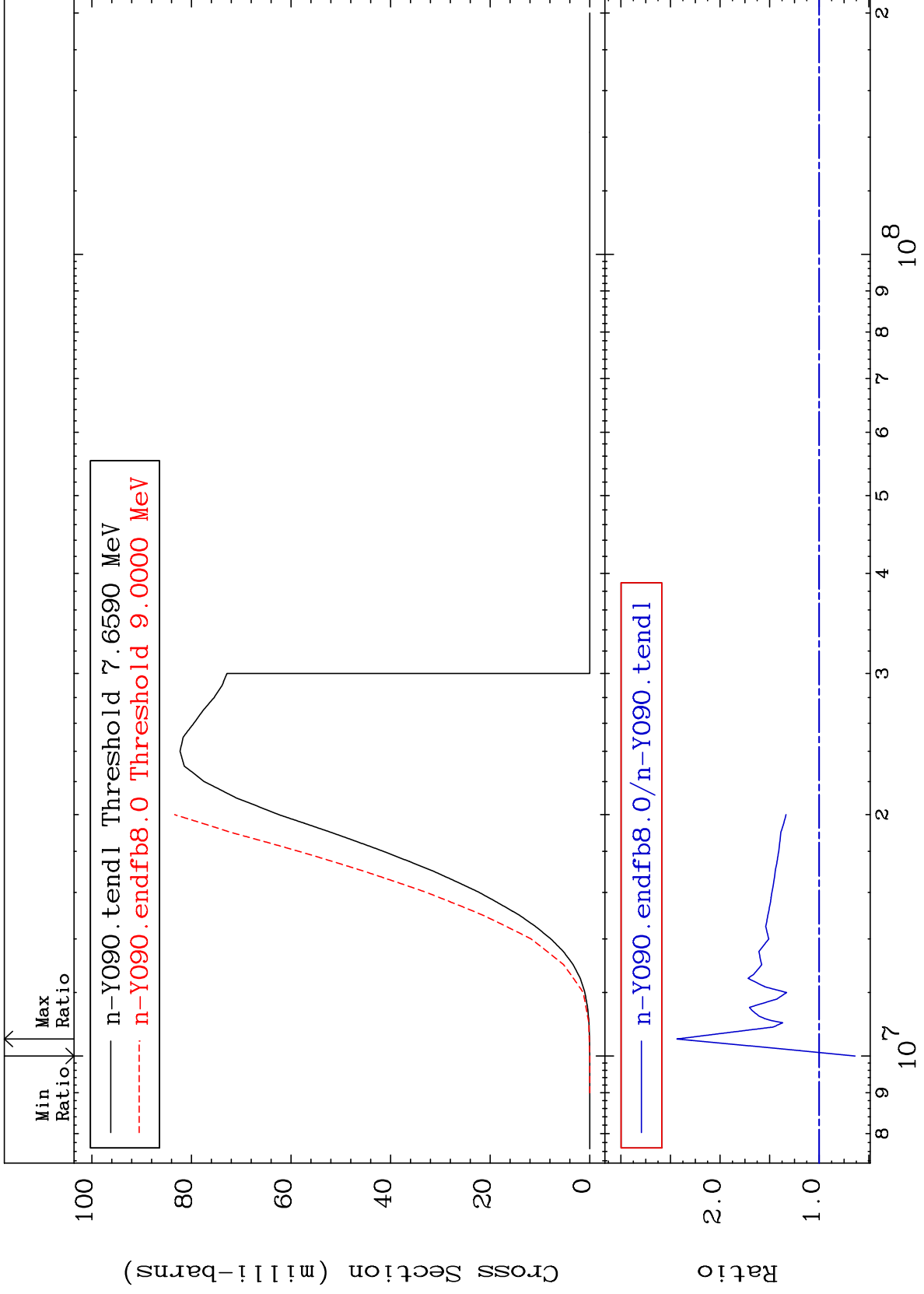
39-Y -90  
-95.96 To -85.81%



MAT 3928

(n,n') p  
Cross Section

39-Y -90  
-36.15 To 143.5 %



8

Incident Energy (eV)

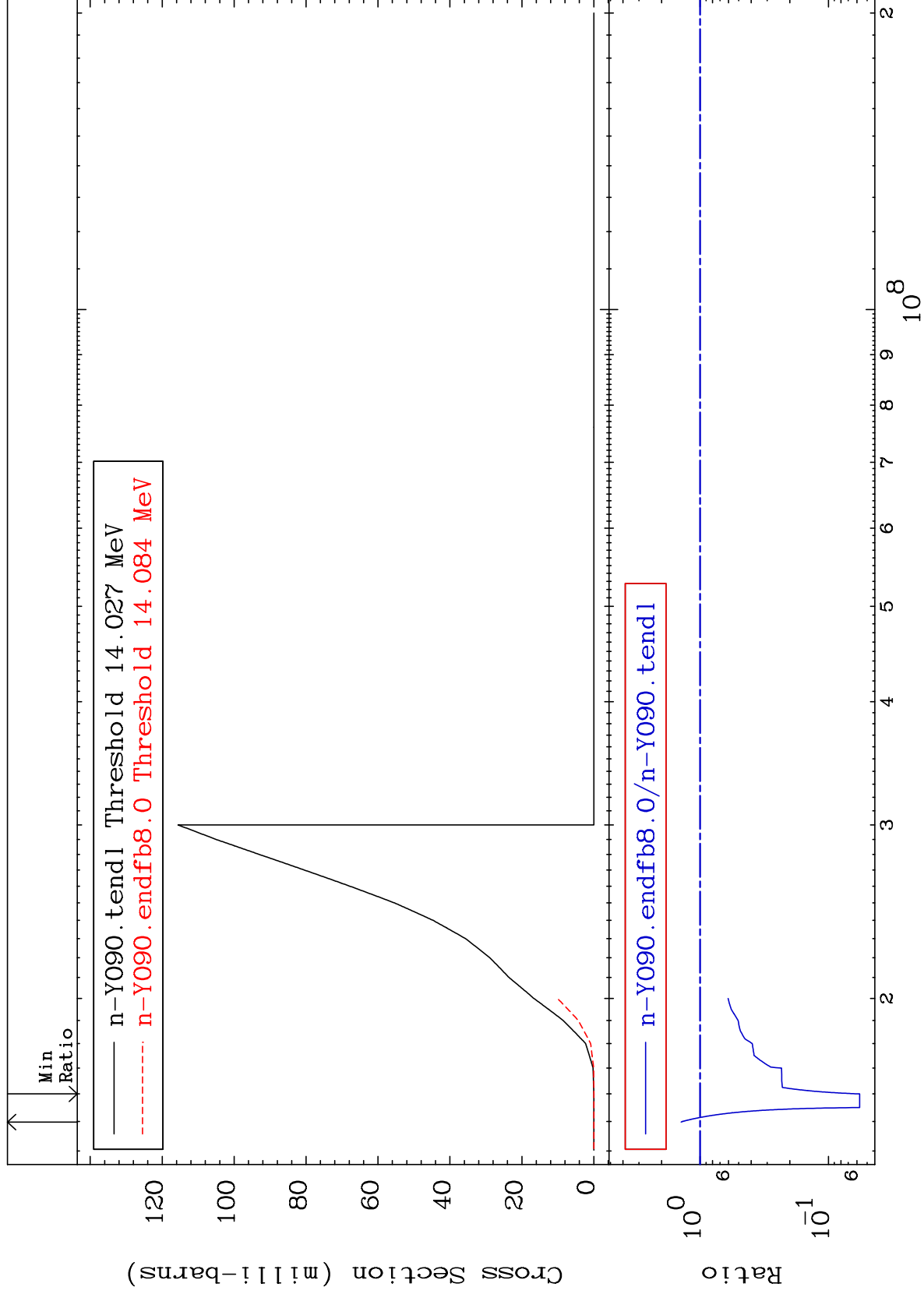
39-Y -90



MAT 3928

(n,2n) p  
Cross Section

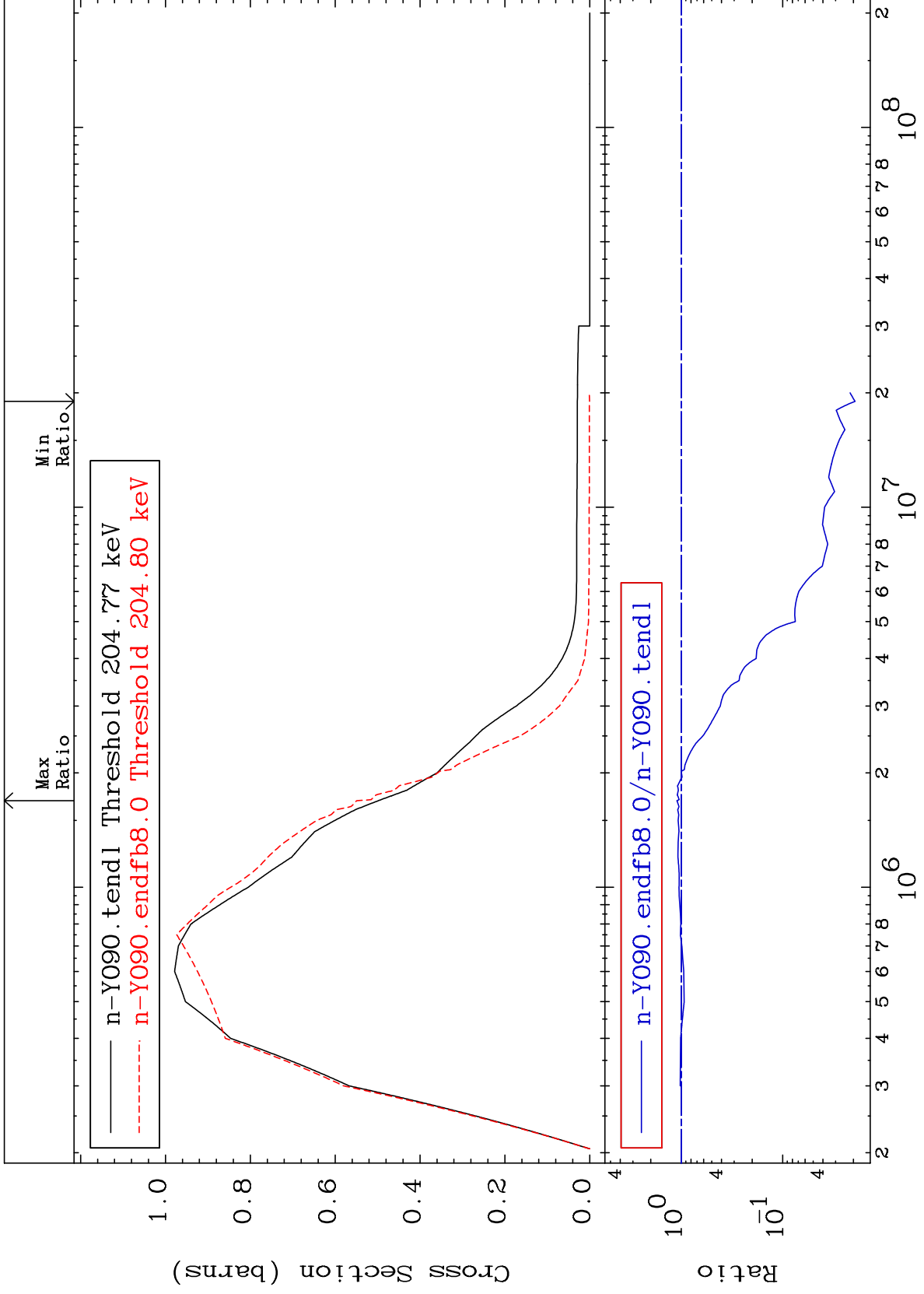
39-Y -90  
-94.29 To 40.50 %



MAT 3928

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

39-Y -90  
-98.07 To 10.30 %



10

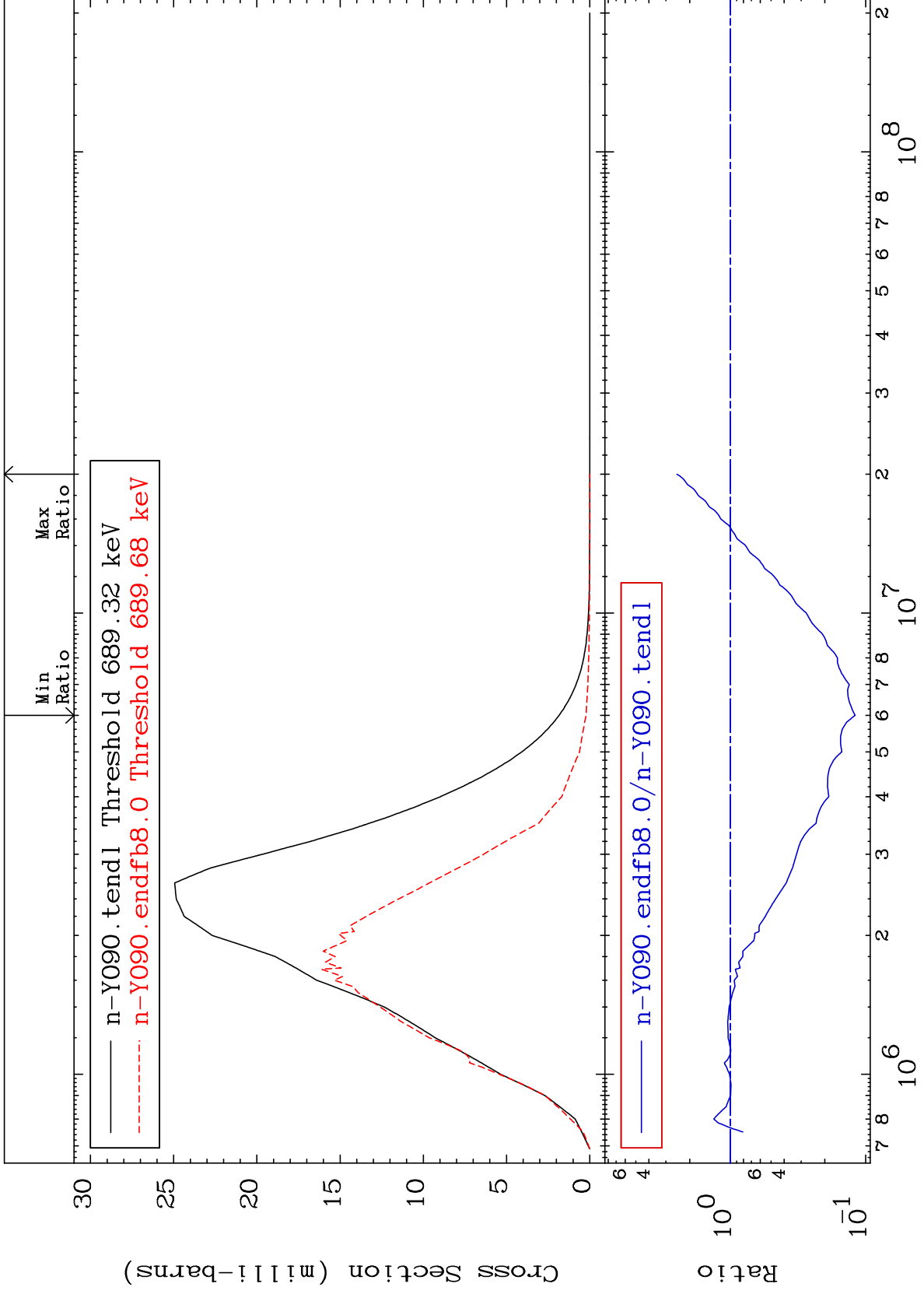
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90  
-88.05 To 148.5 %



11

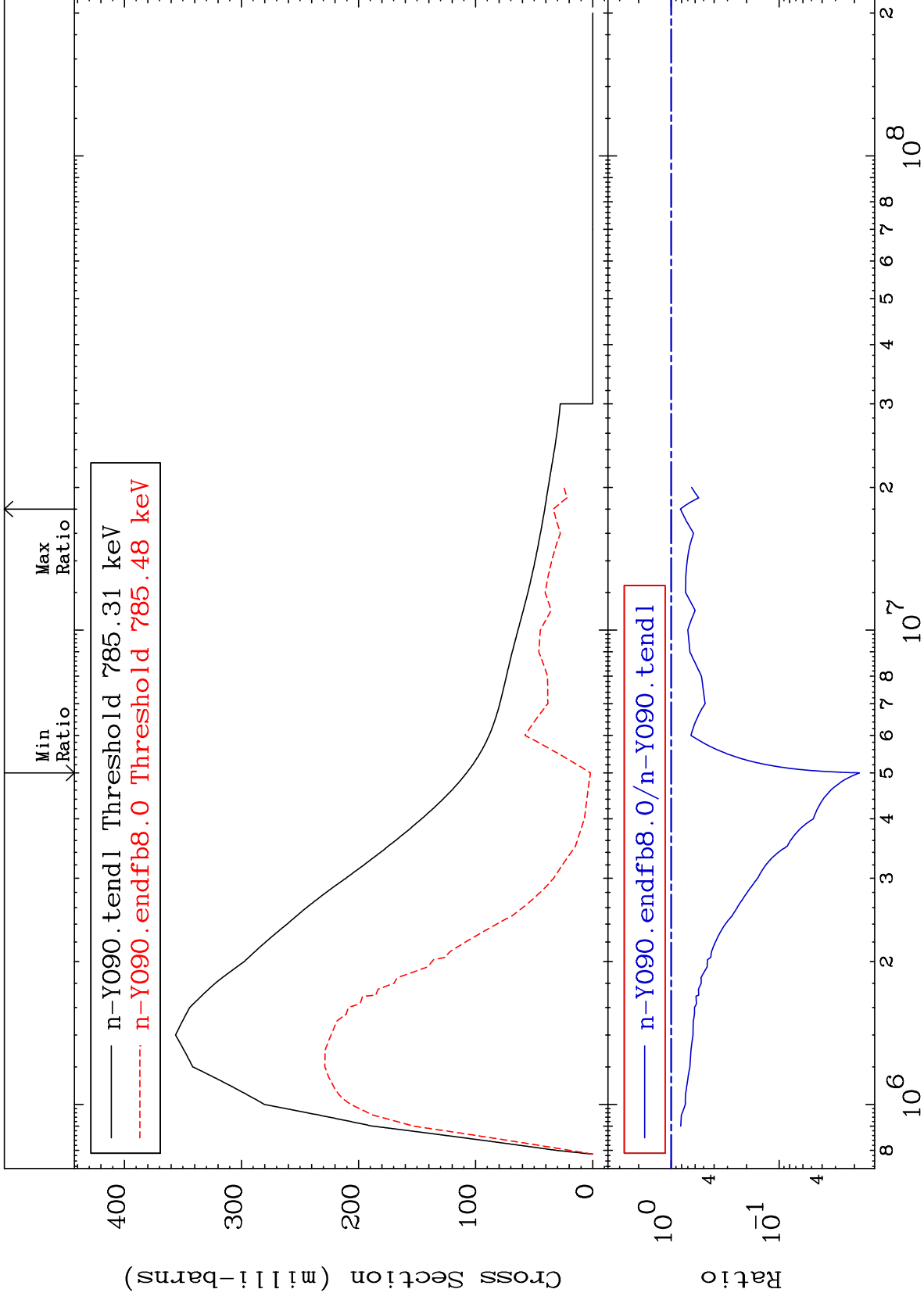
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90  
-98.20 To -17.96%



12

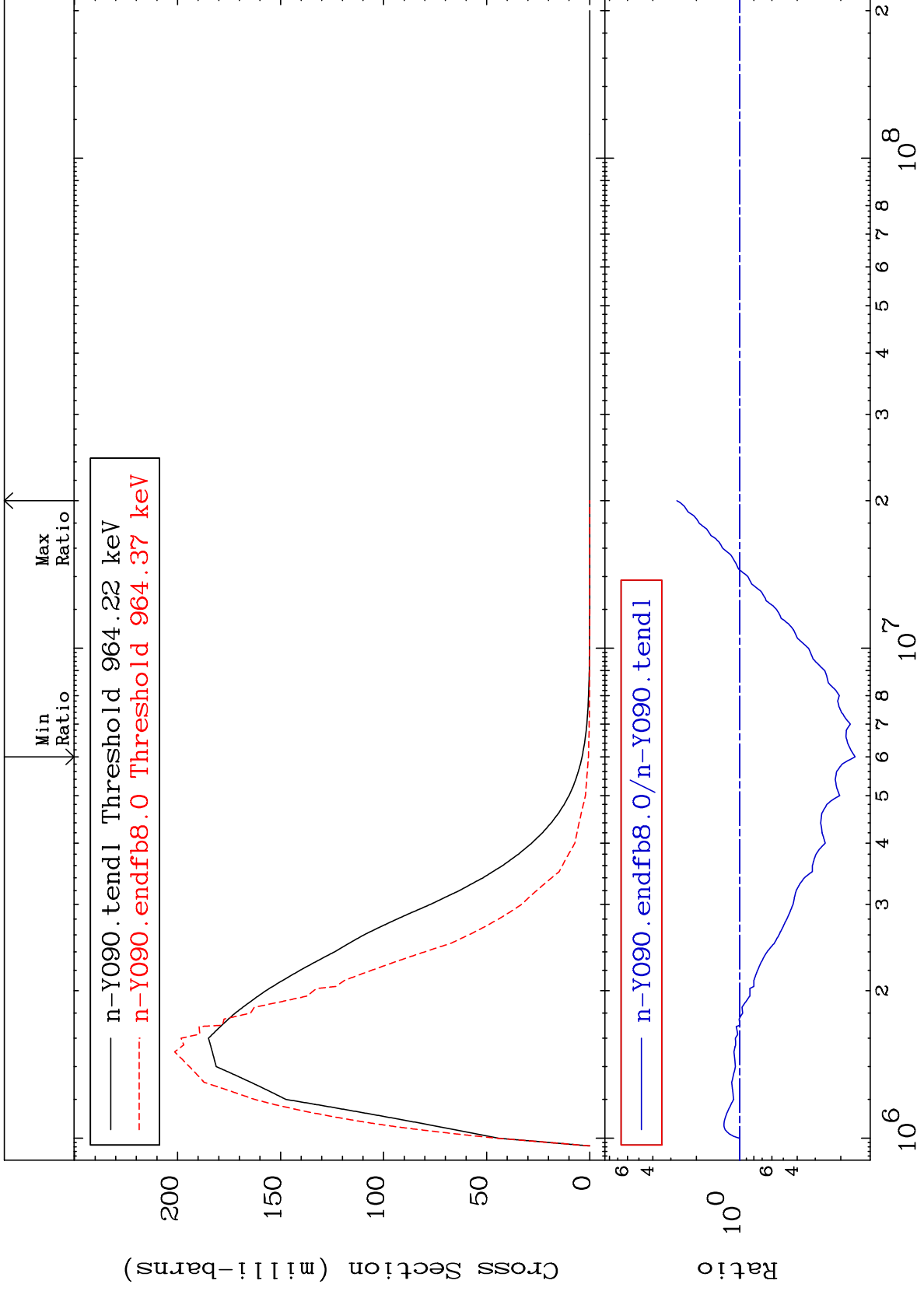
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90  
-84.09 To 172.6 %



13

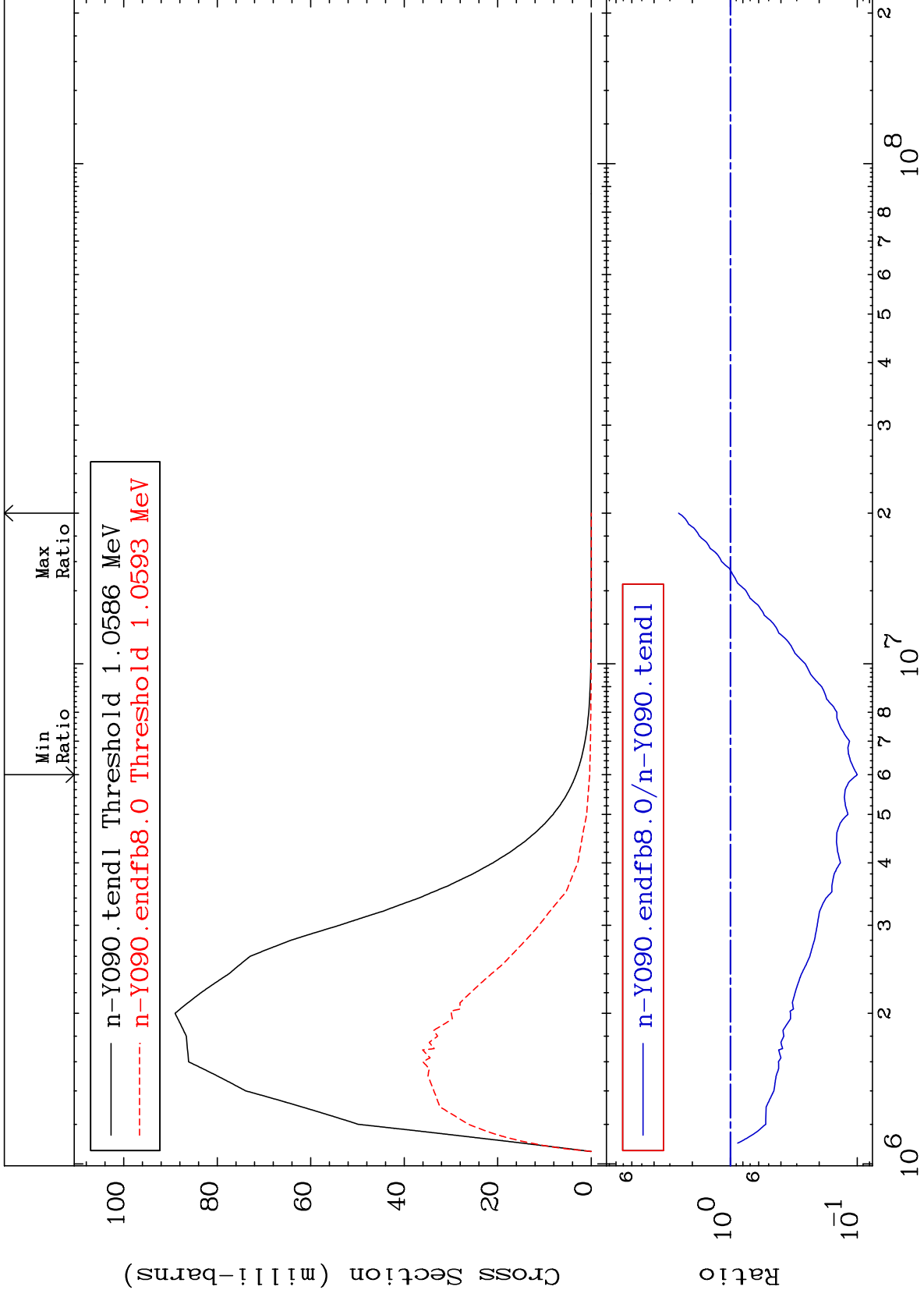
Incident Energy (eV)

39-Y -90

MAT 3928

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

39-Y -90  
-89.99 To 156.2 %



14

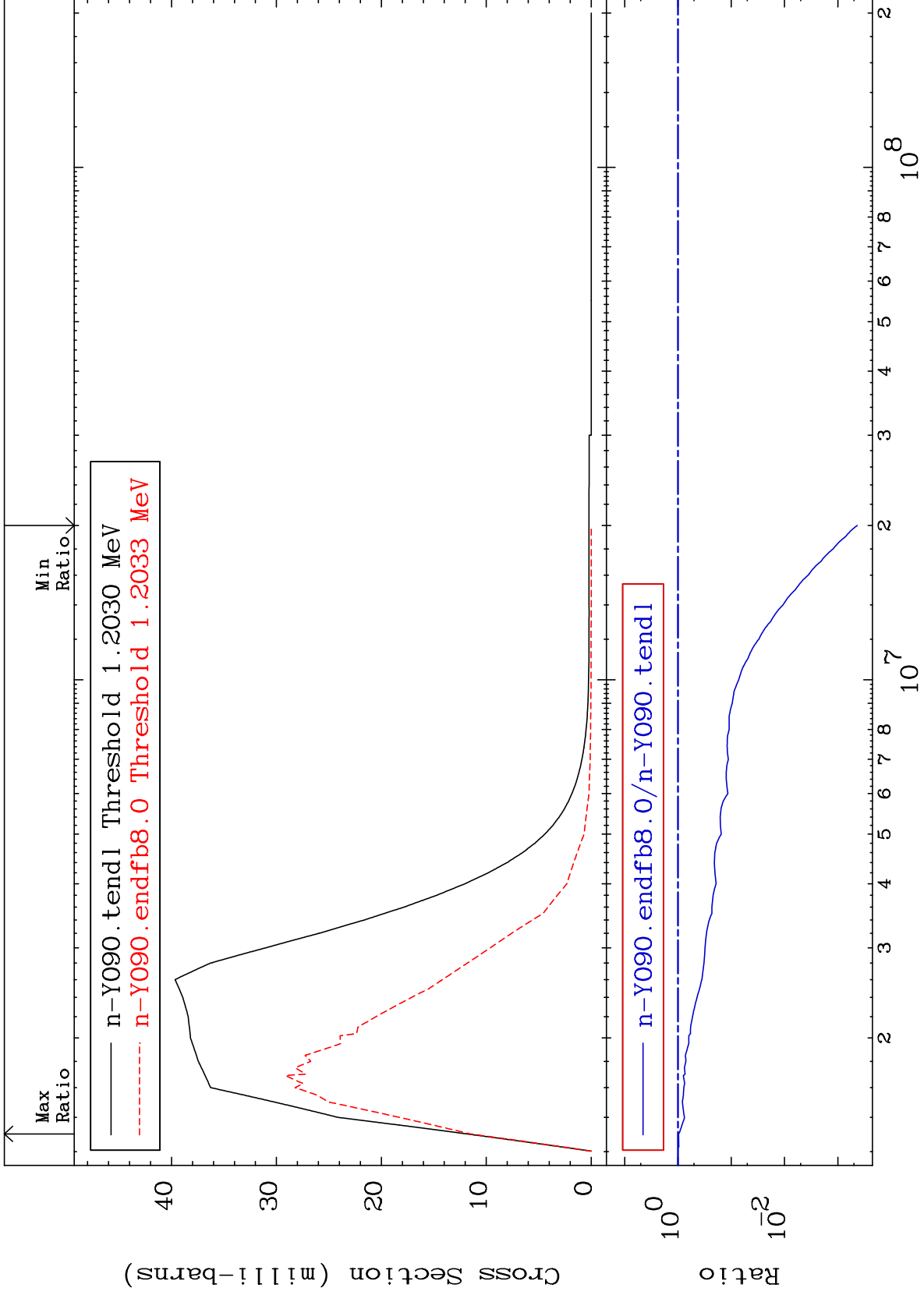
Incident Energy (eV)

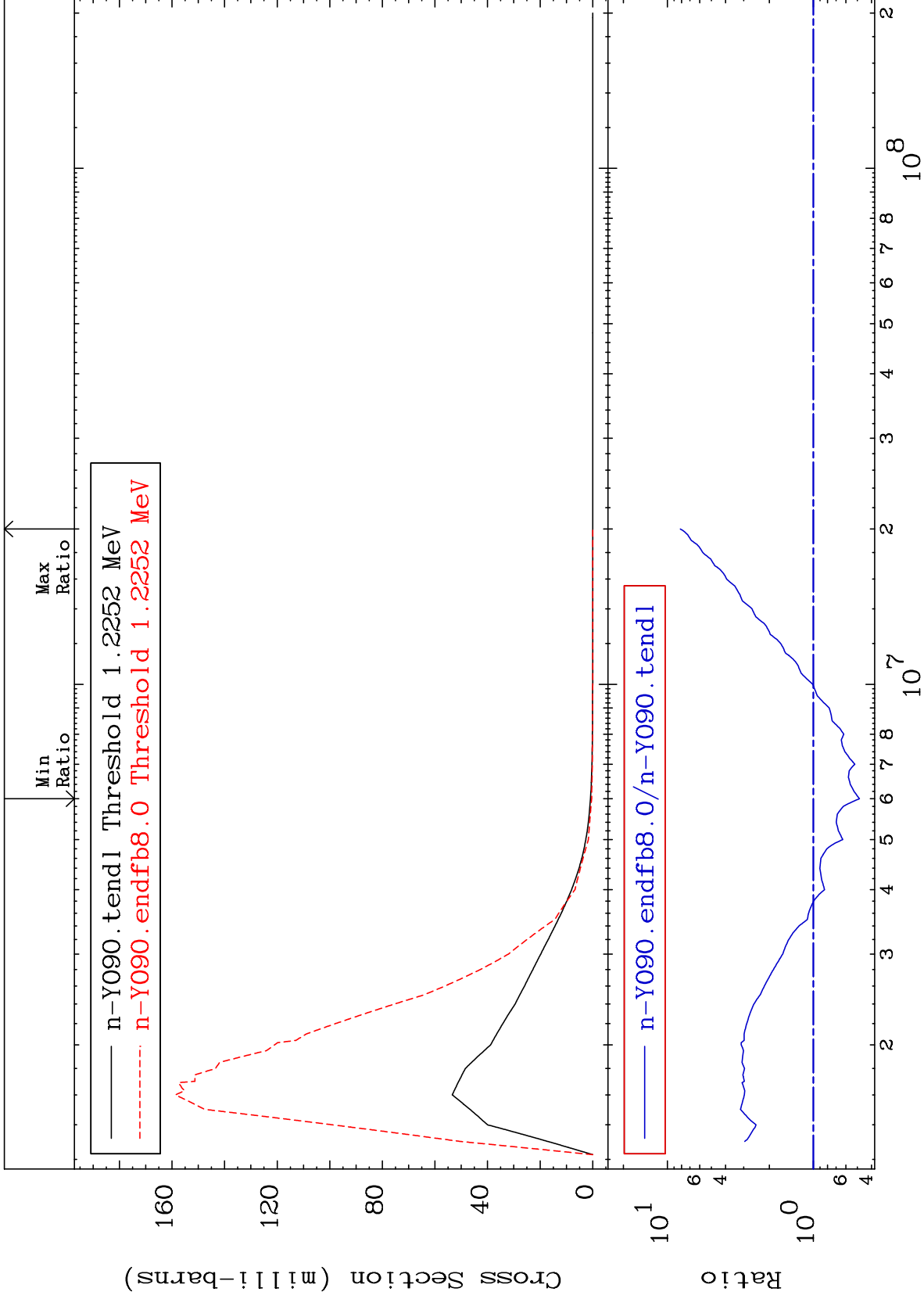
39-Y -90

MAT 3928

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

39-Y -90  
-99.96 To -2.800%



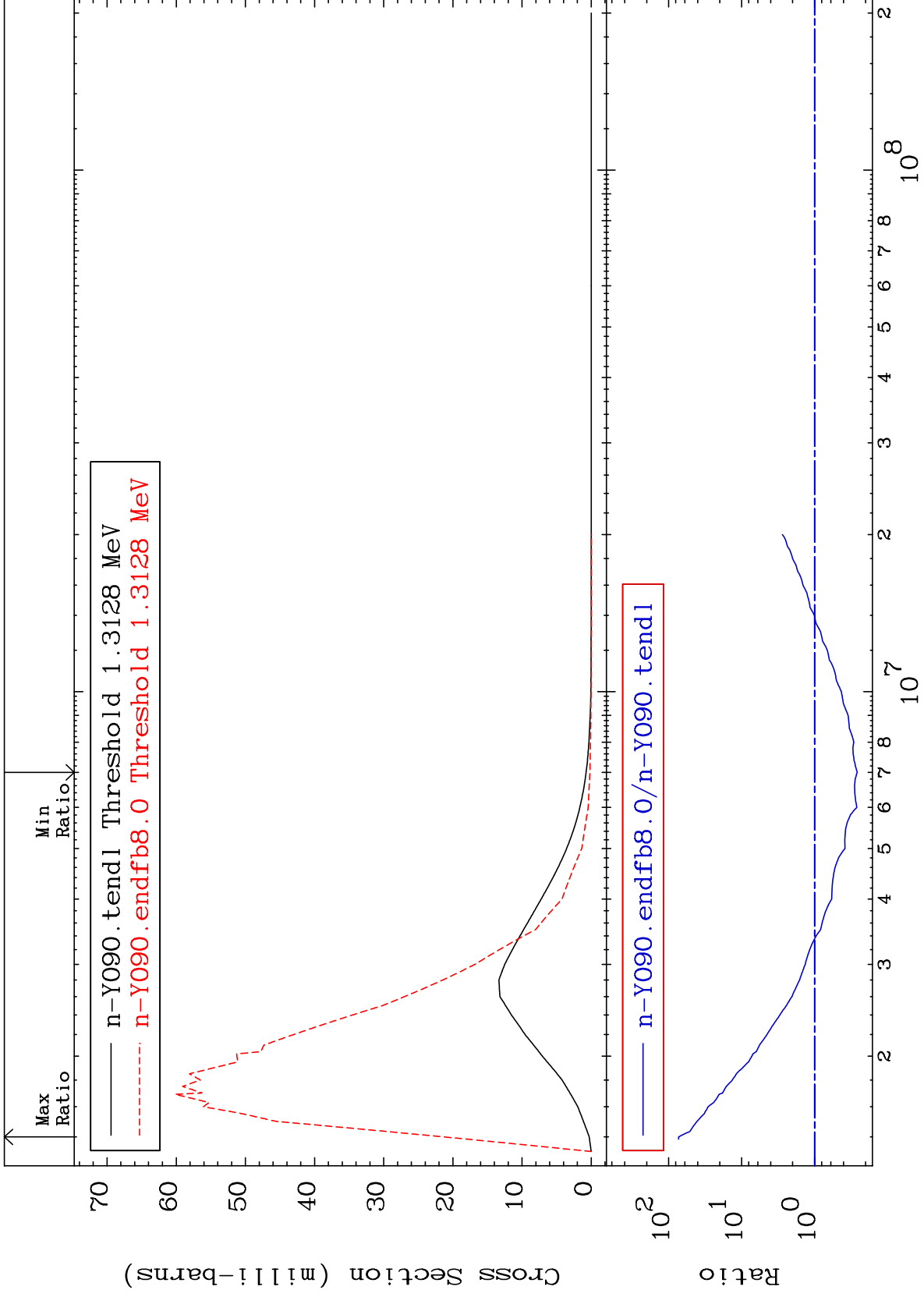




MAT 3928

MT= 58 (n,n') Level  
Cross Section

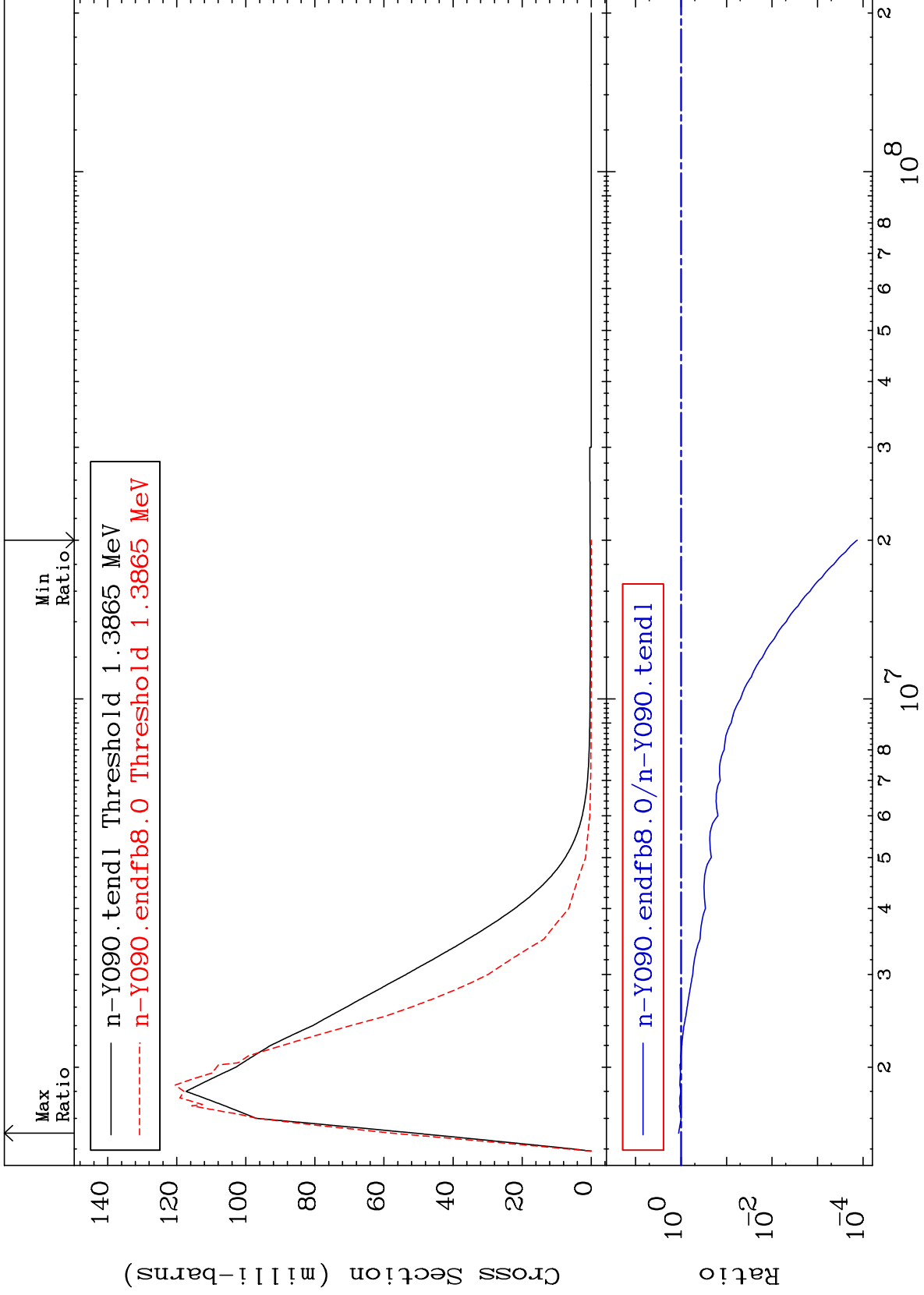
39-Y -90  
-74.01 To 7204. %



17

Incident Energy (eV)

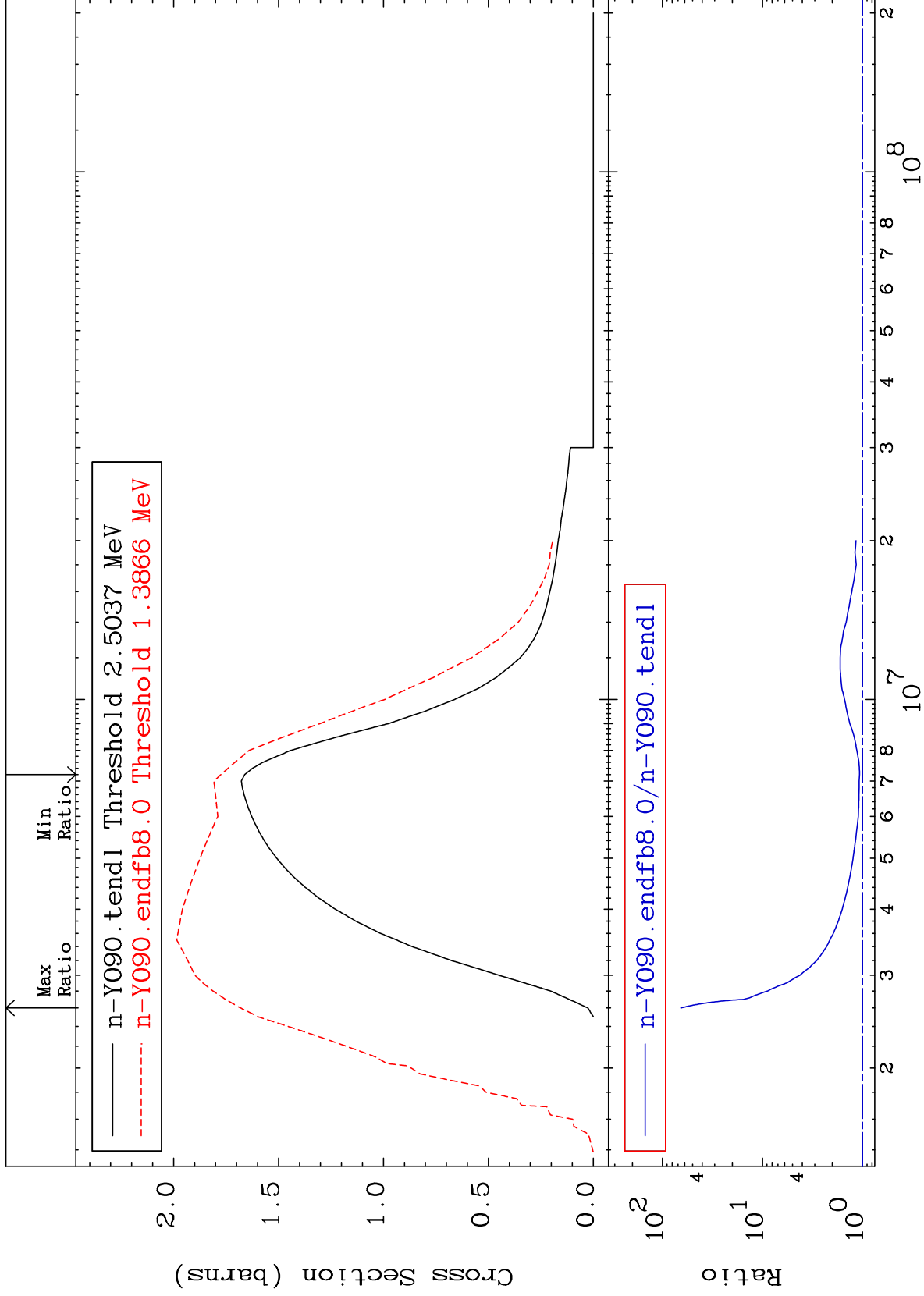
39-Y -90



MAT 3928

(n, n') Continuum  
Cross Section

39-Y -90  
6.810 To 6459. %

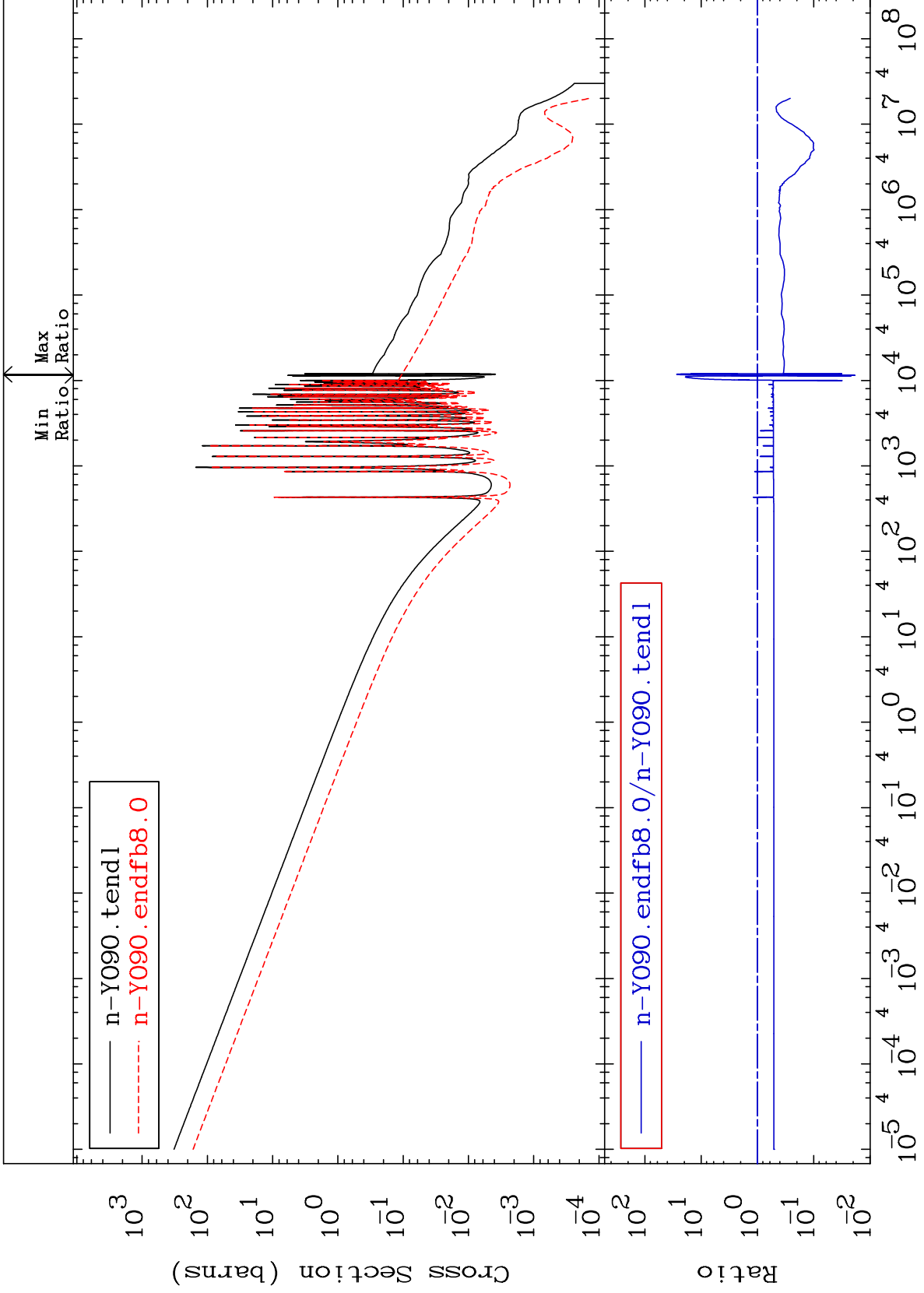


MAT 3928

(n,  $\gamma$ )

Cross Section

39-Y -90  
-98.15 To 2624. %



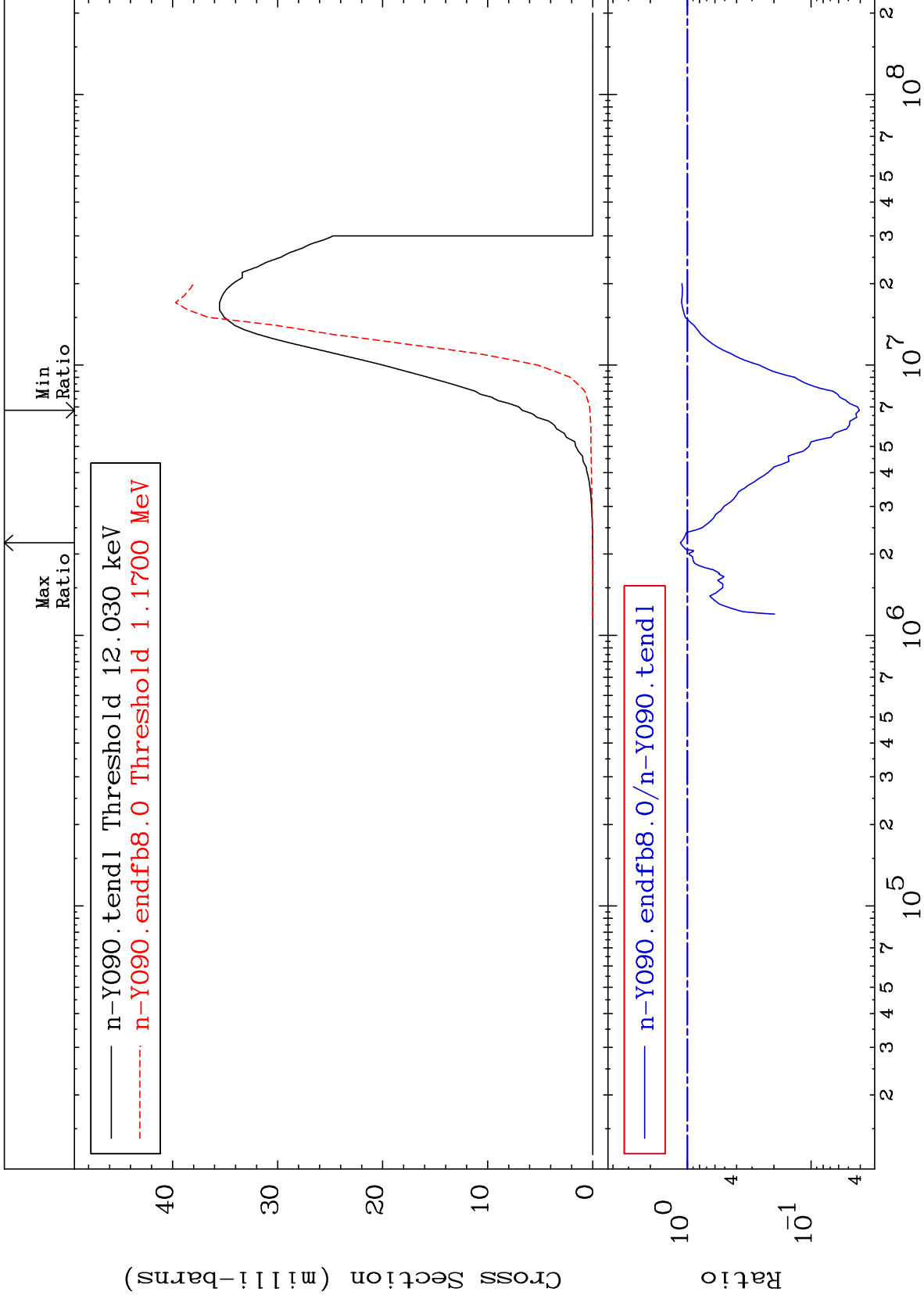
MAT 3928

(n, p)

39-Y -90

Cross Section

-95.94 To 14.18 %



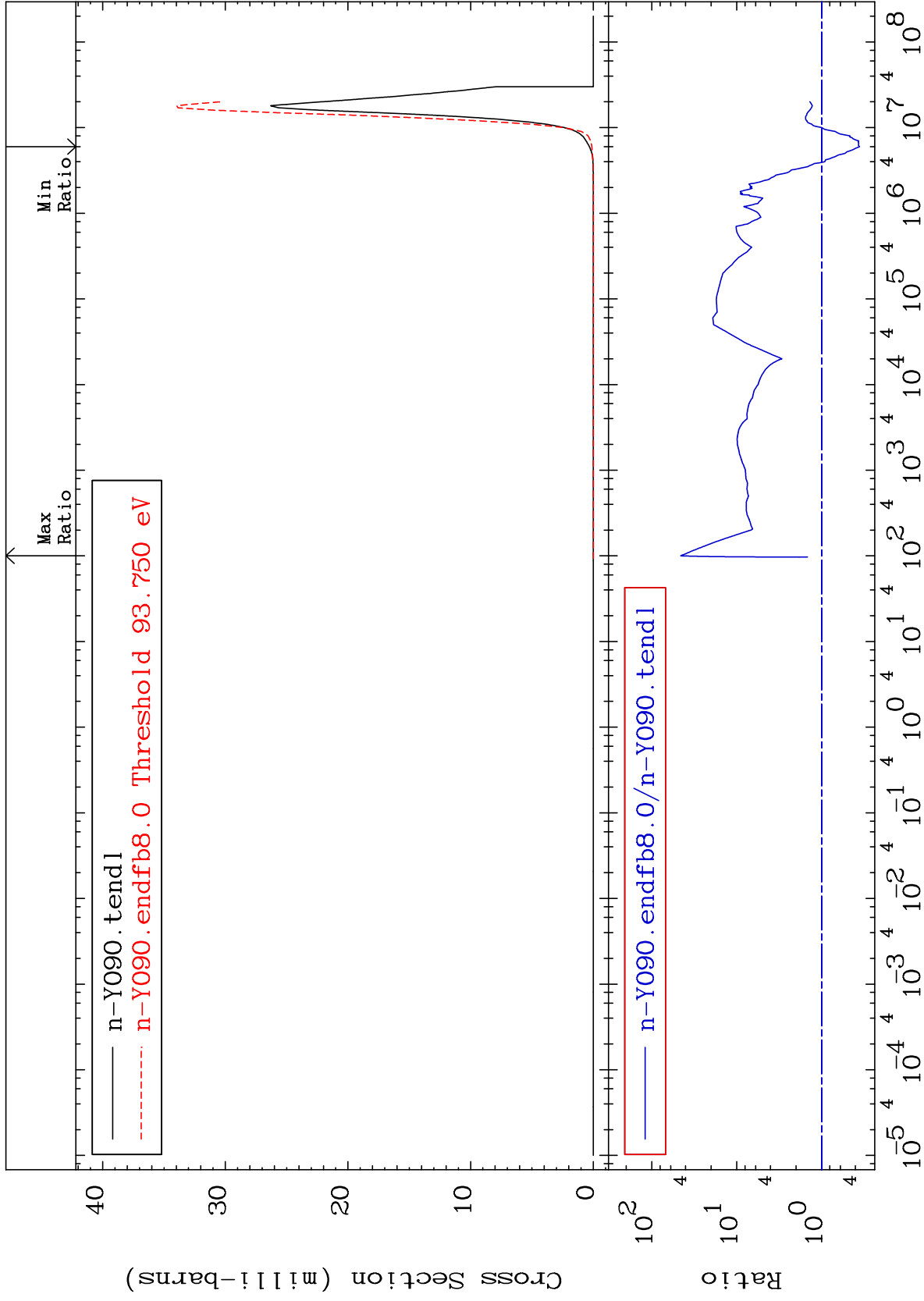
MAT 3928

(n,  $\alpha$ )

39-Y -90

Cross Section

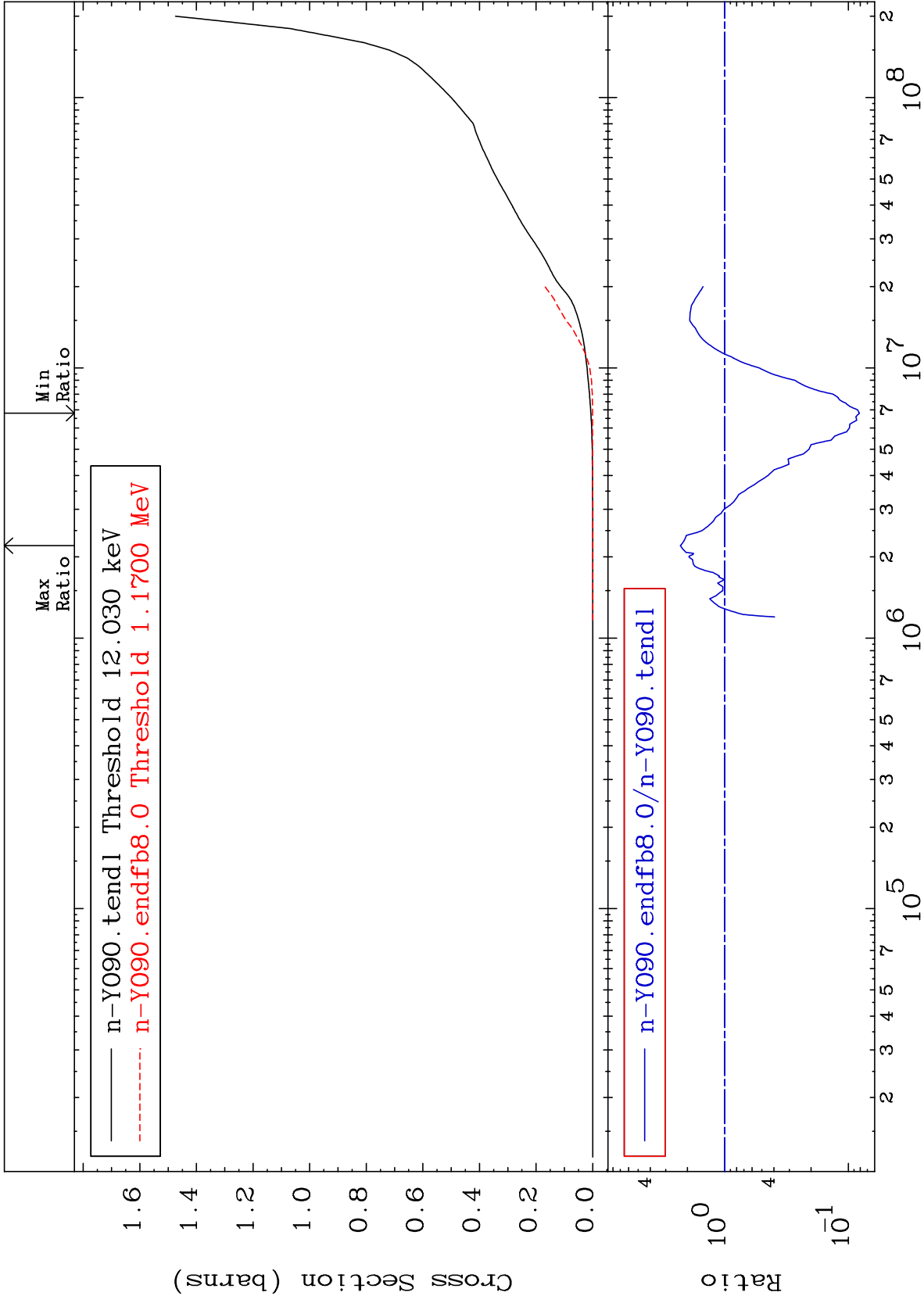
-64.23 To 4461. %

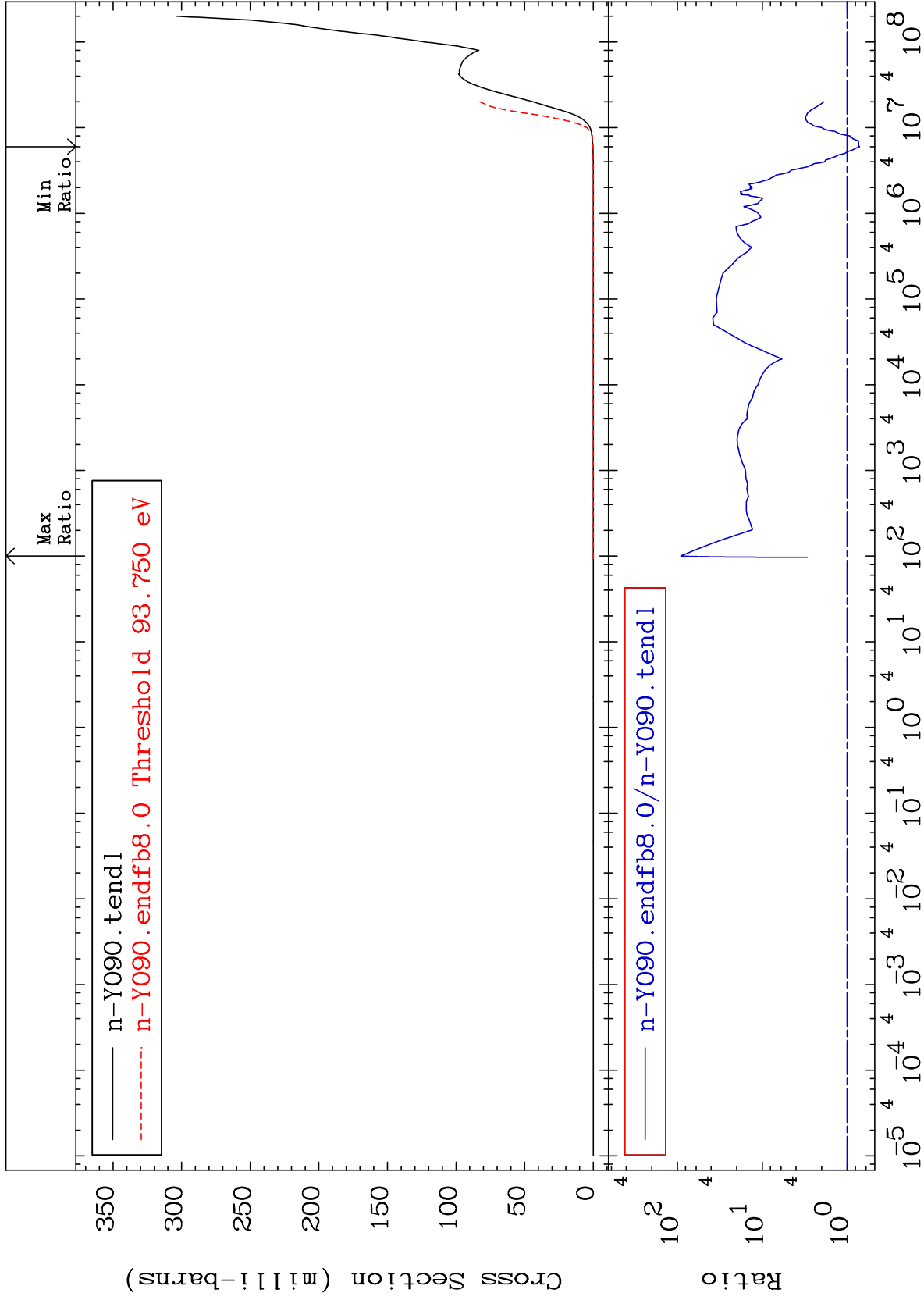


22

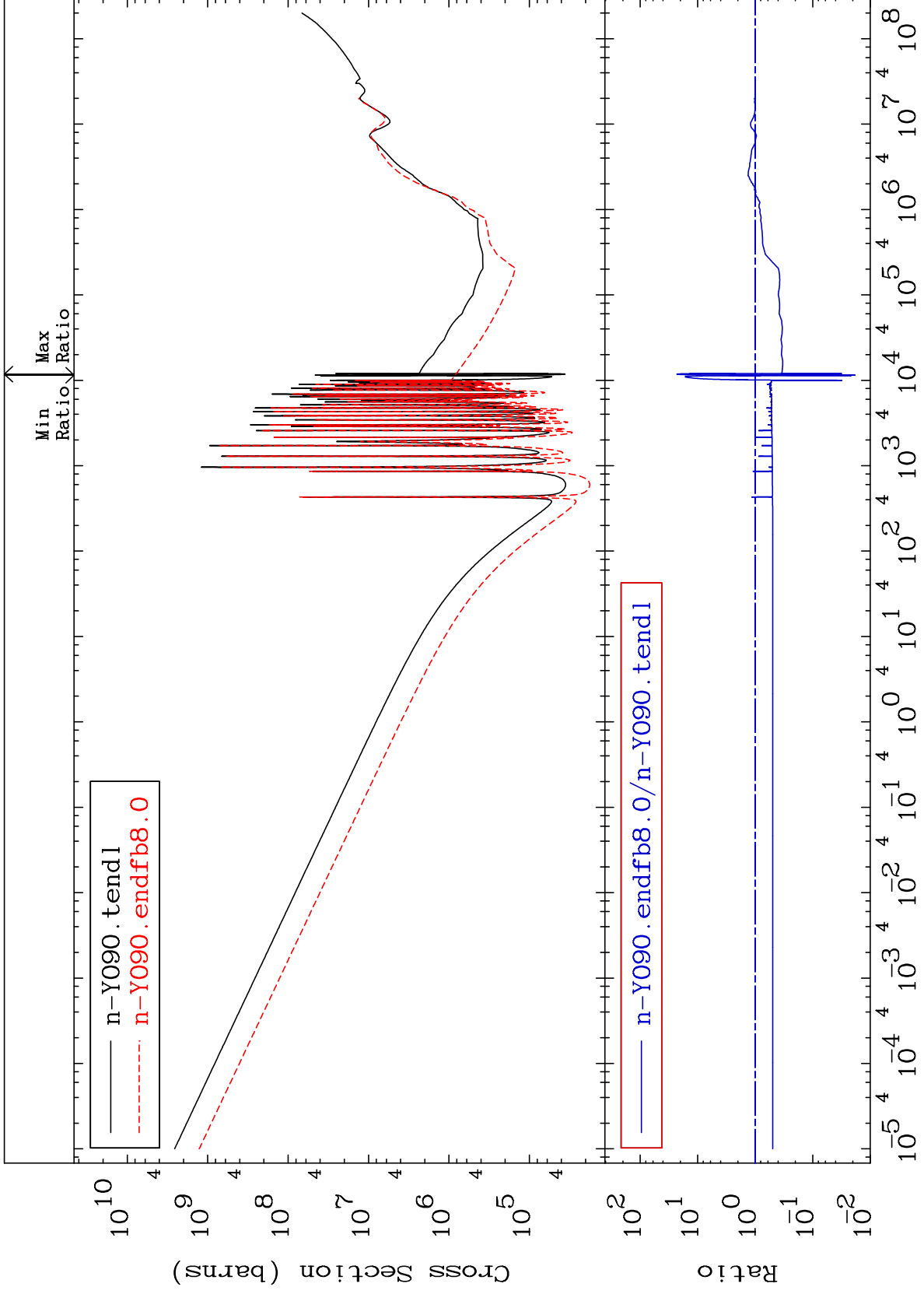
Incident Energy (eV)

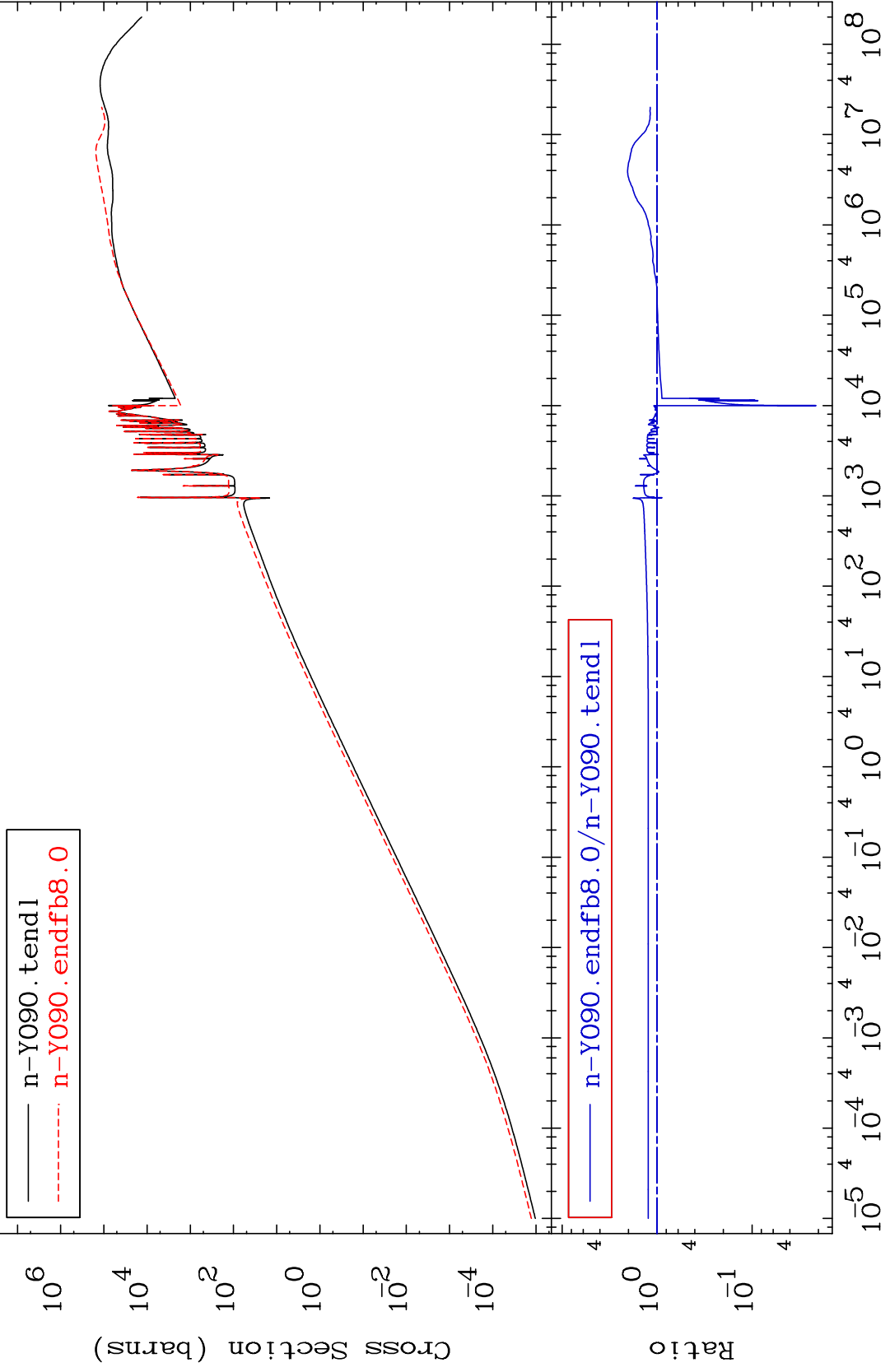
39-Y -90

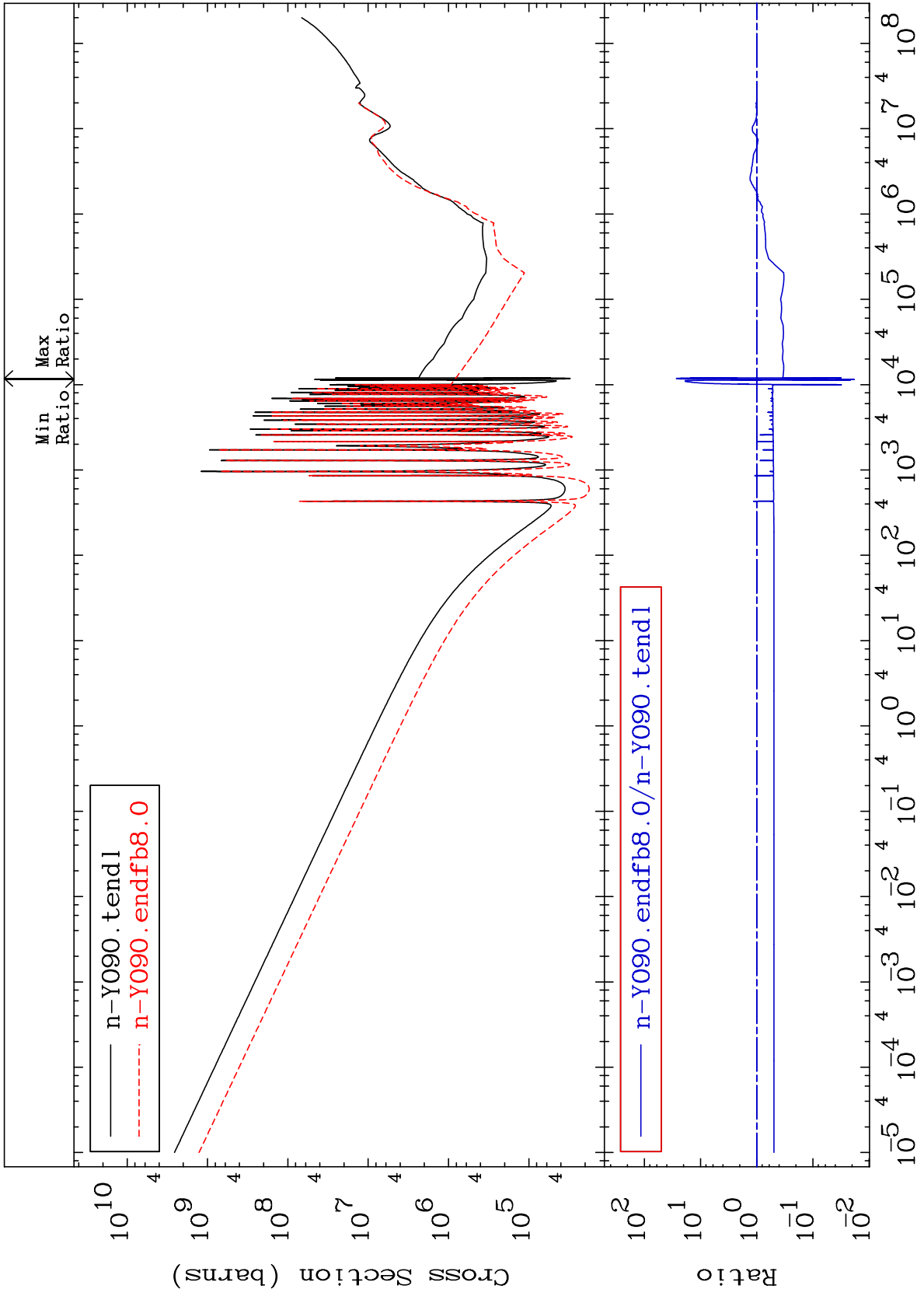


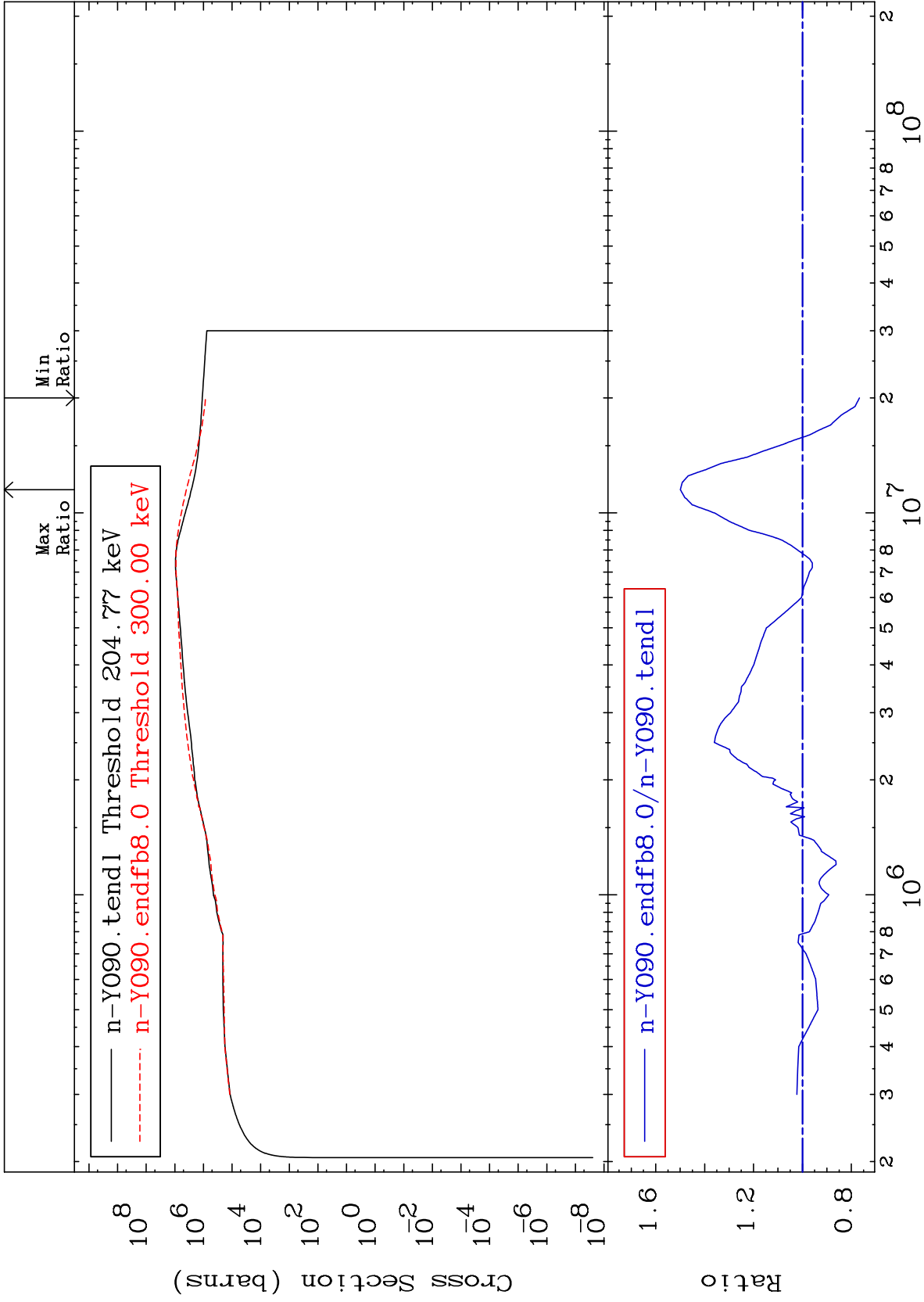








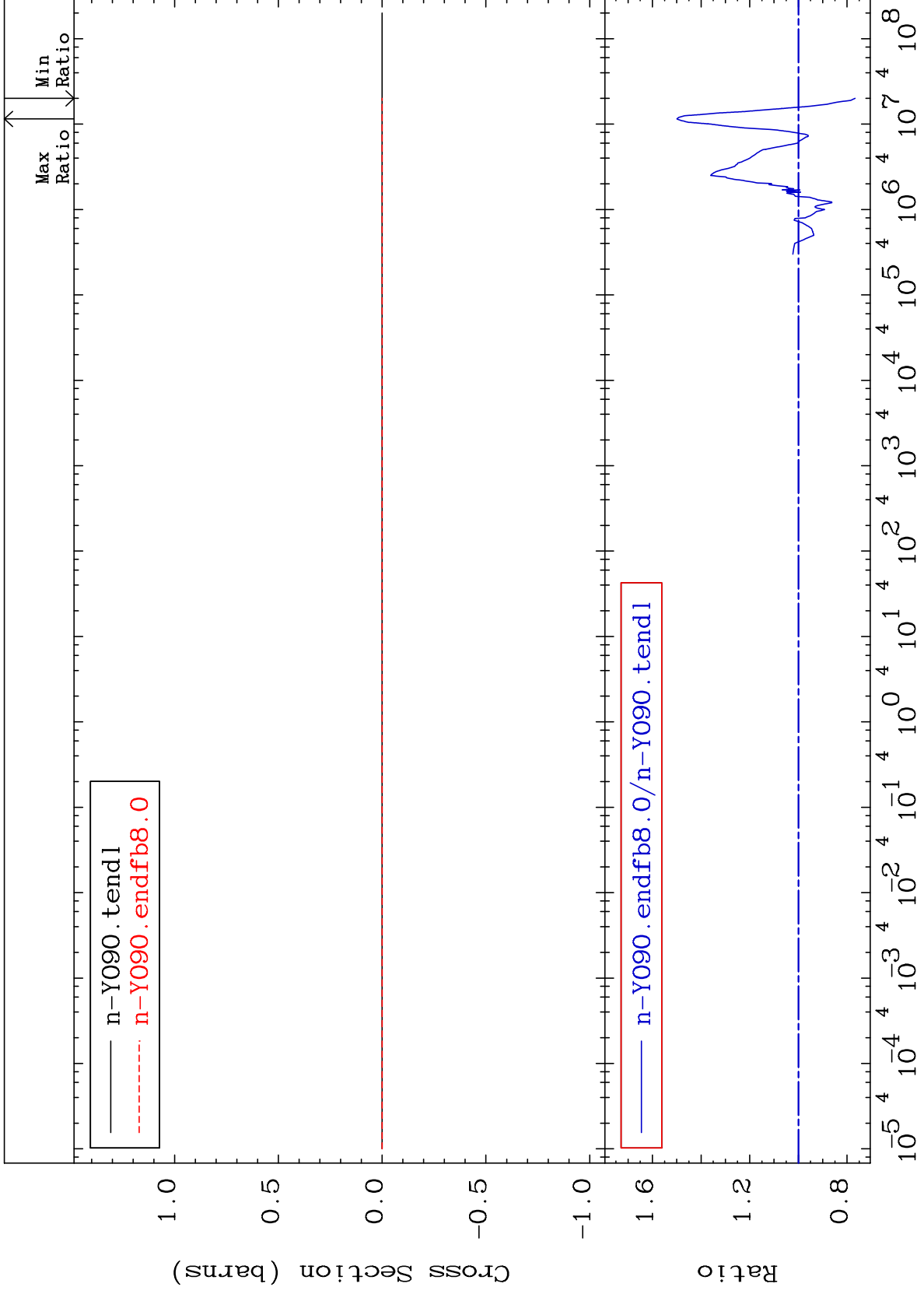




MAT 3928

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

39-Y -90  
-23.31 To 49.92 %



MAT 3928

Kerma capture (mt102)  
Cross Section

39-Y -90  
-98.17 To 2597. %

