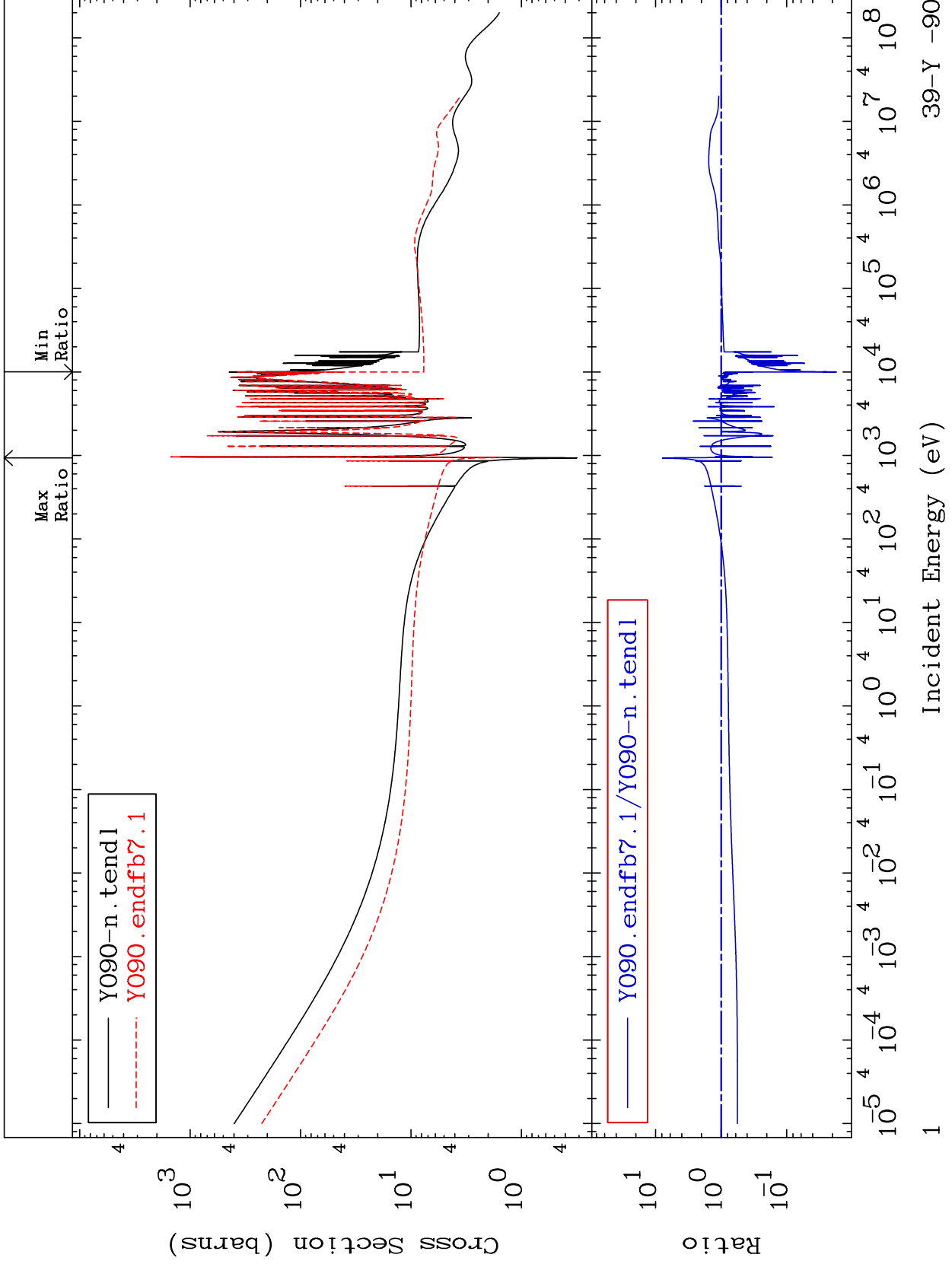


MAT 3928

Total  
Cross Section

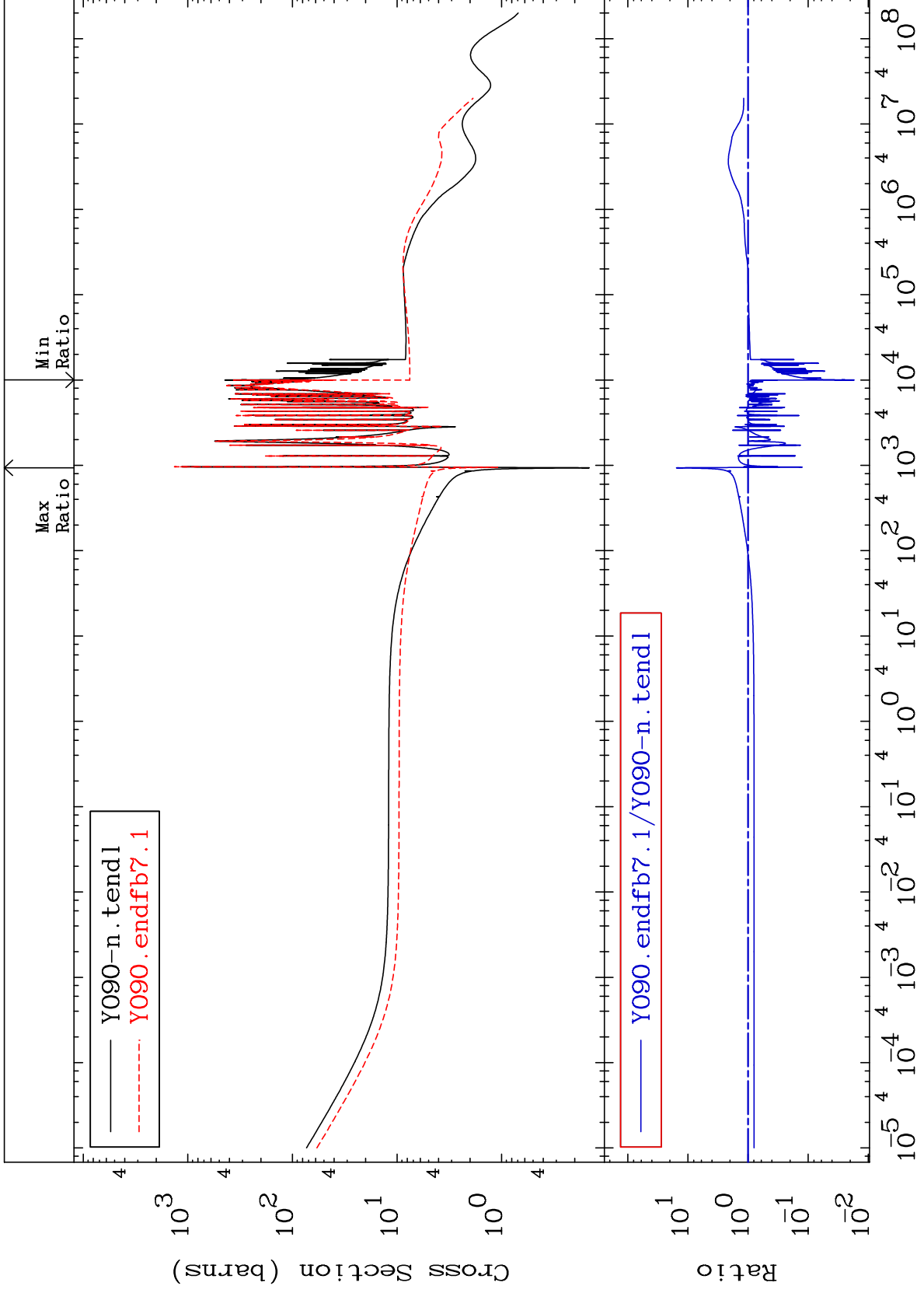
39-Y -90  
-98.28 To 690.2 %



MAT 3928

Elastic  
Cross Section

39-Y -90  
-98.30 To 1460. %



Incident Energy (eV)

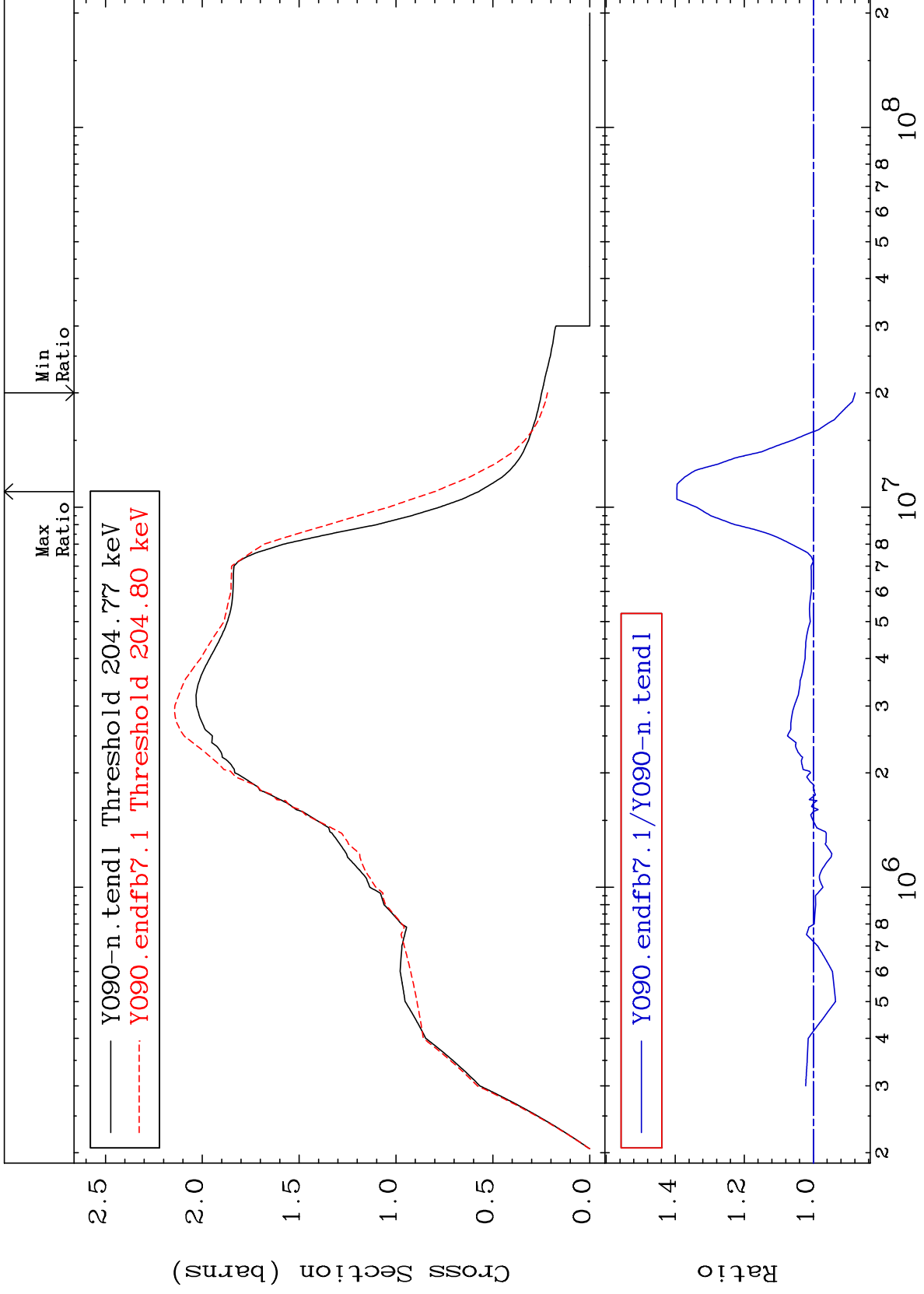
39-Y -90

2

MAT 3928

Inelastic  
Cross Section

39-Y -90  
-12.09 To 39.51 %



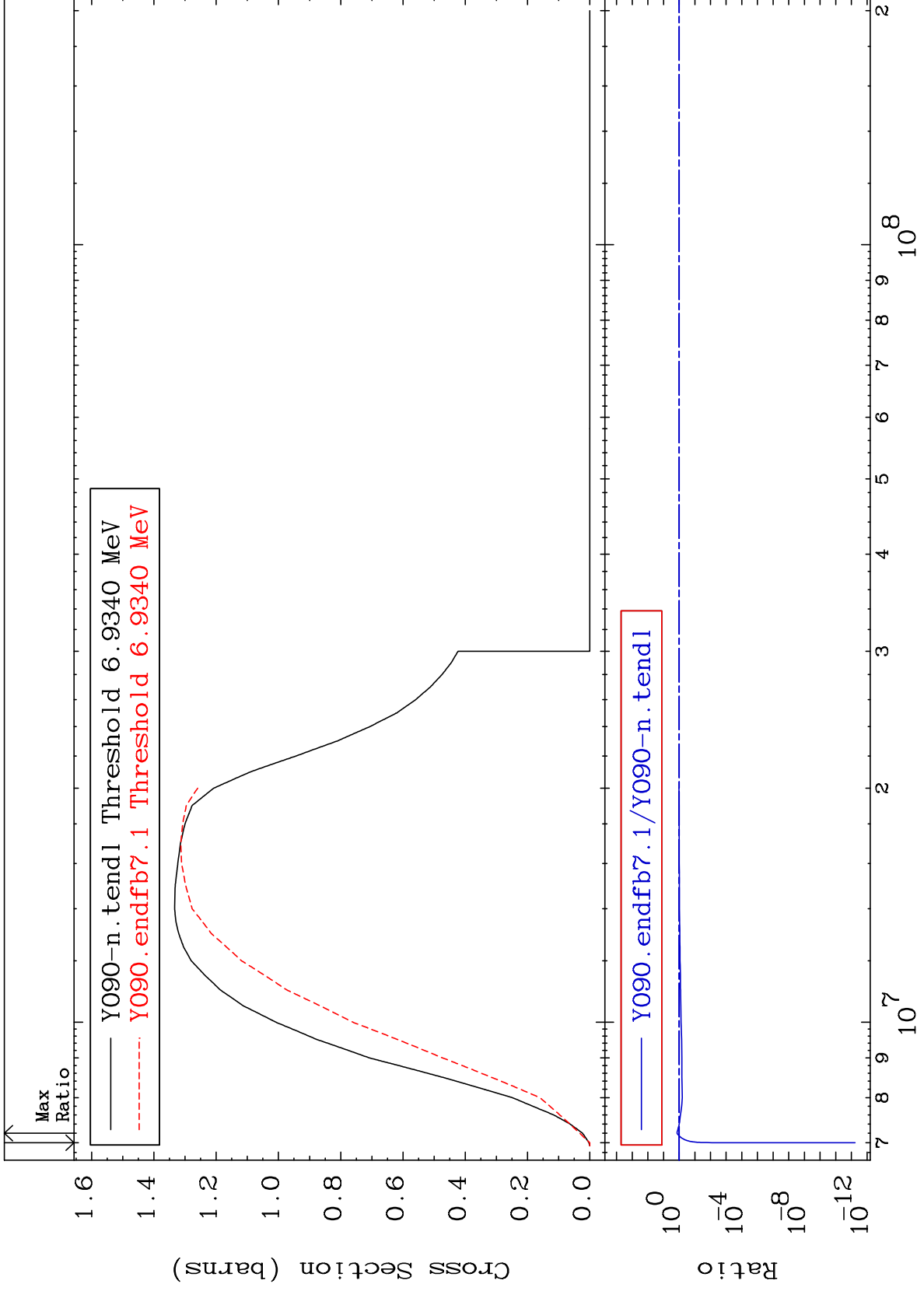
MAT 3928

(n,2n)

39-Y -90

Cross Section

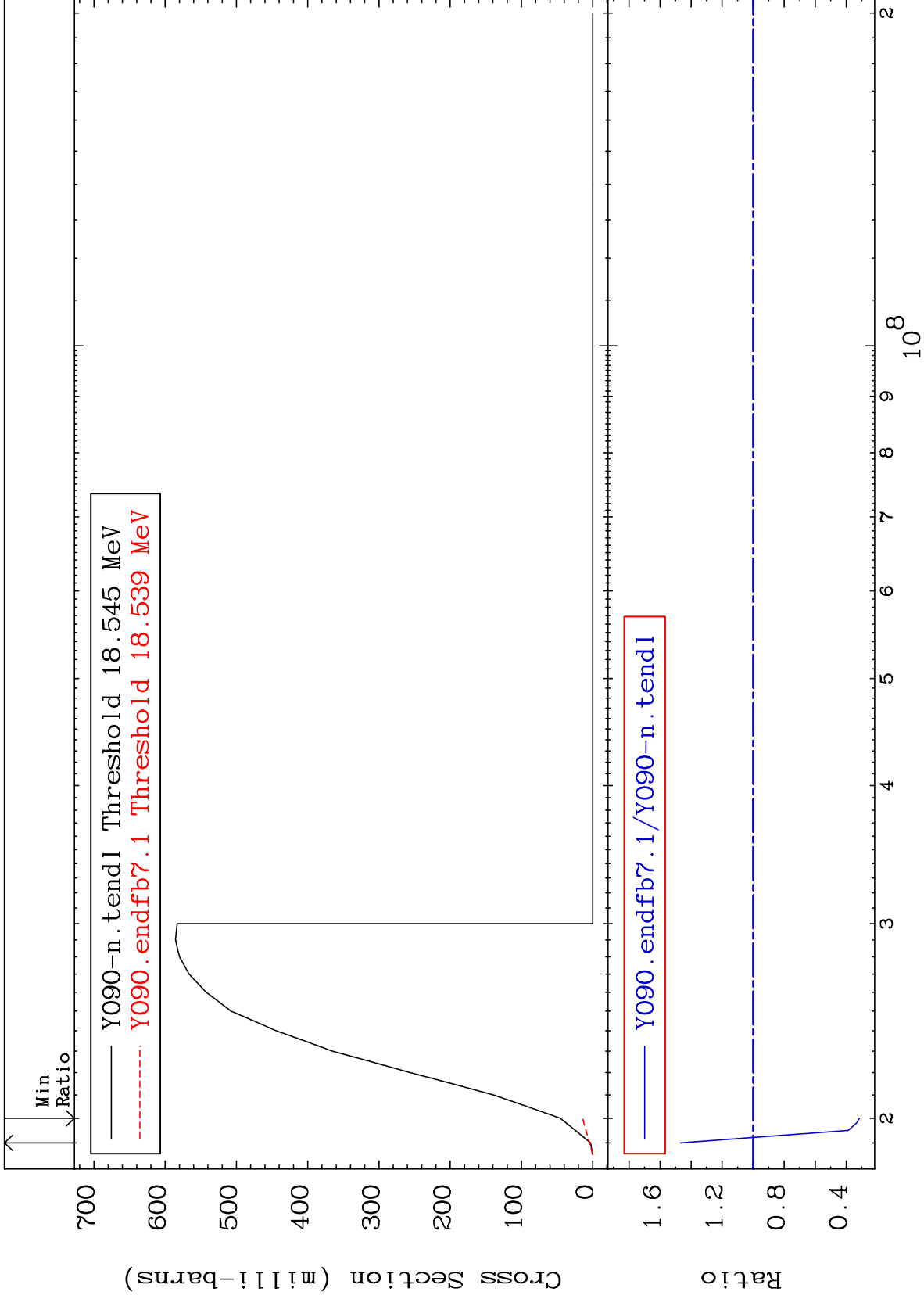
-100.0 To 39.21 %



MAT 3928

(n,3n)  
Cross Section

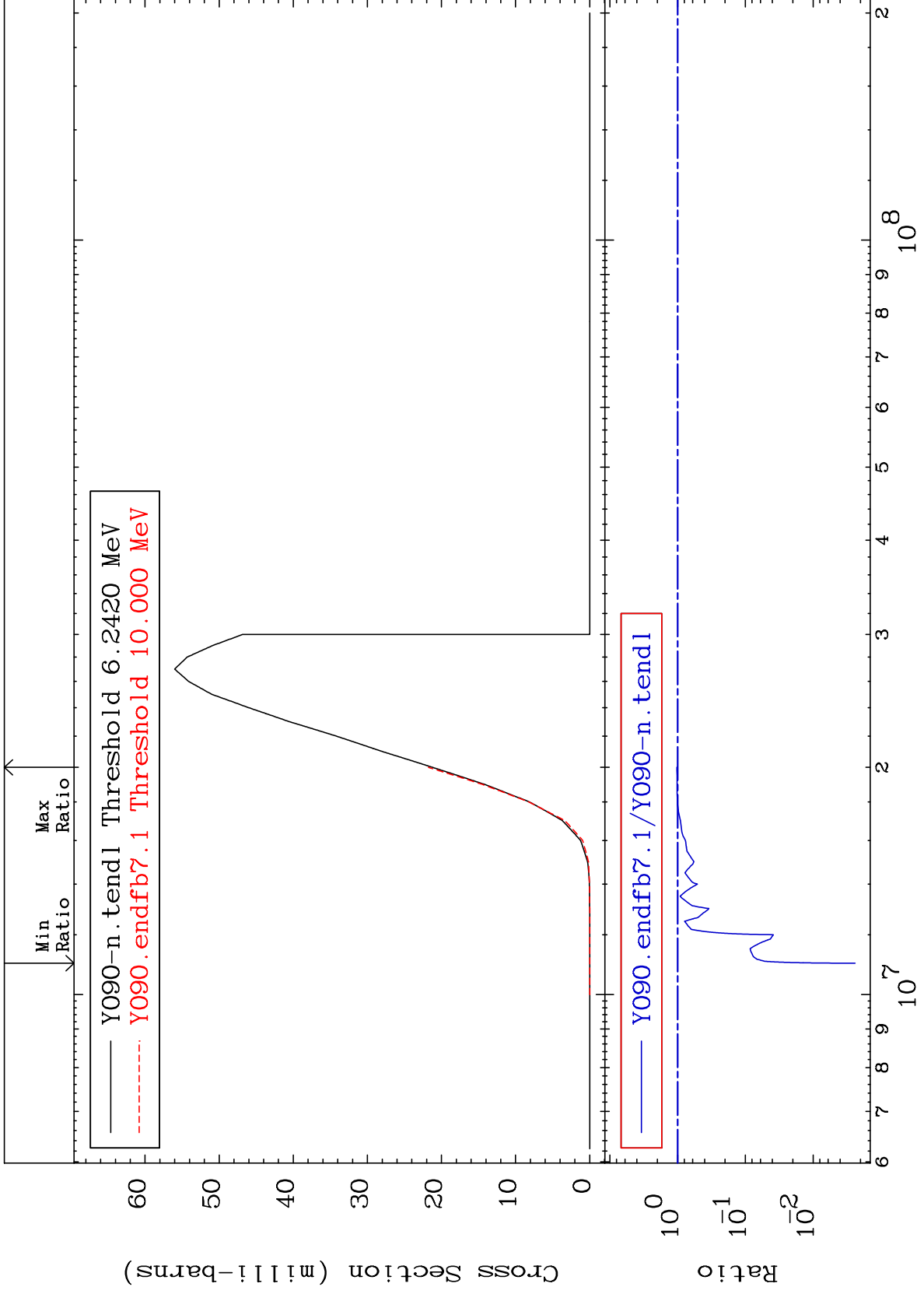
39-Y -90  
-68.50 To 46.91 %



MAT 3928

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

39-Y -90  
-99.76 To 2.681 %



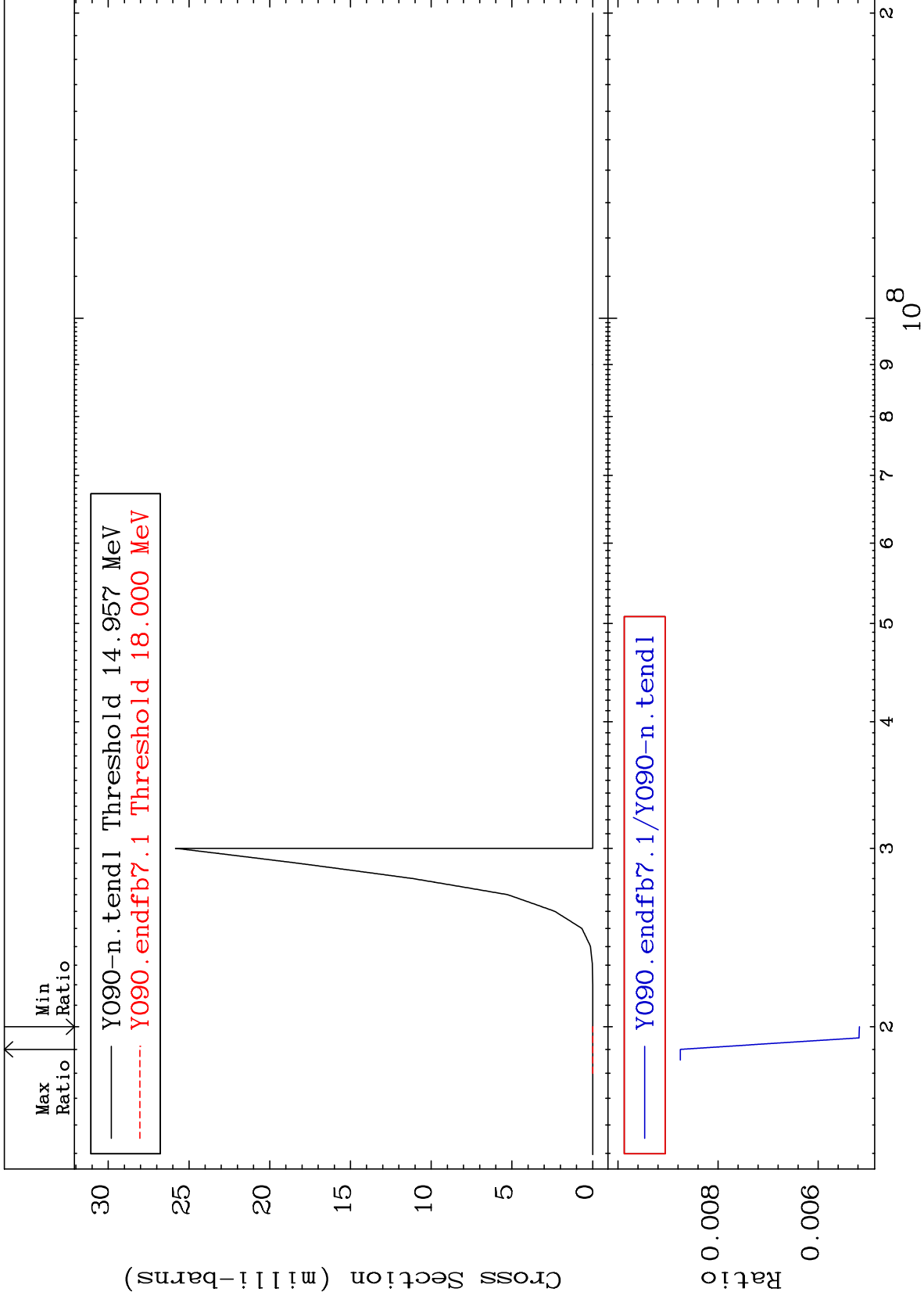
6

39-Y -90

MAT 3928

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

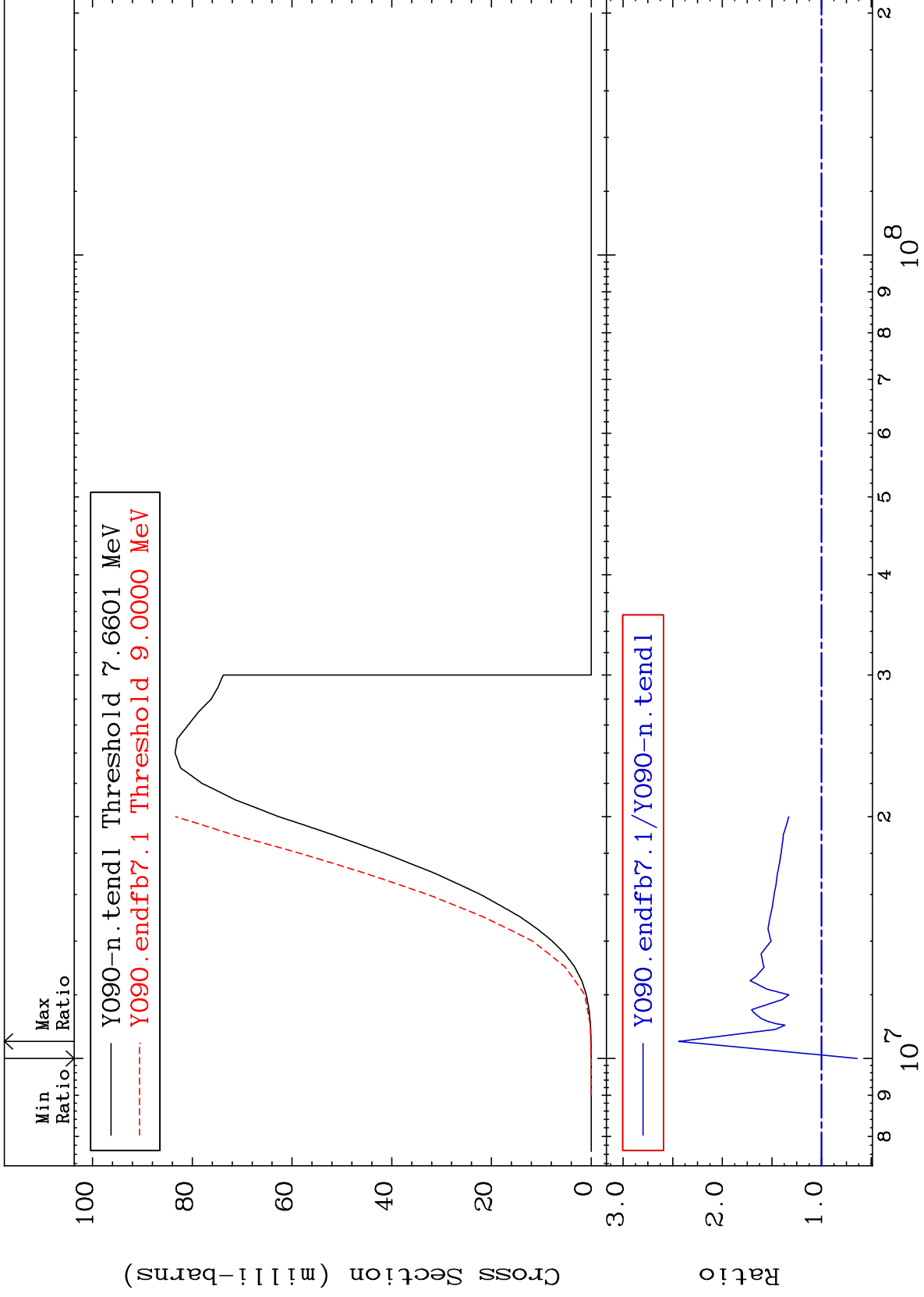
39-Y -90  
-99.48 To -99.12%



MAT 3928

(n,n') p  
Cross Section

39-Y -90  
-35.97 To 144.0 %



8

Incident Energy (eV)

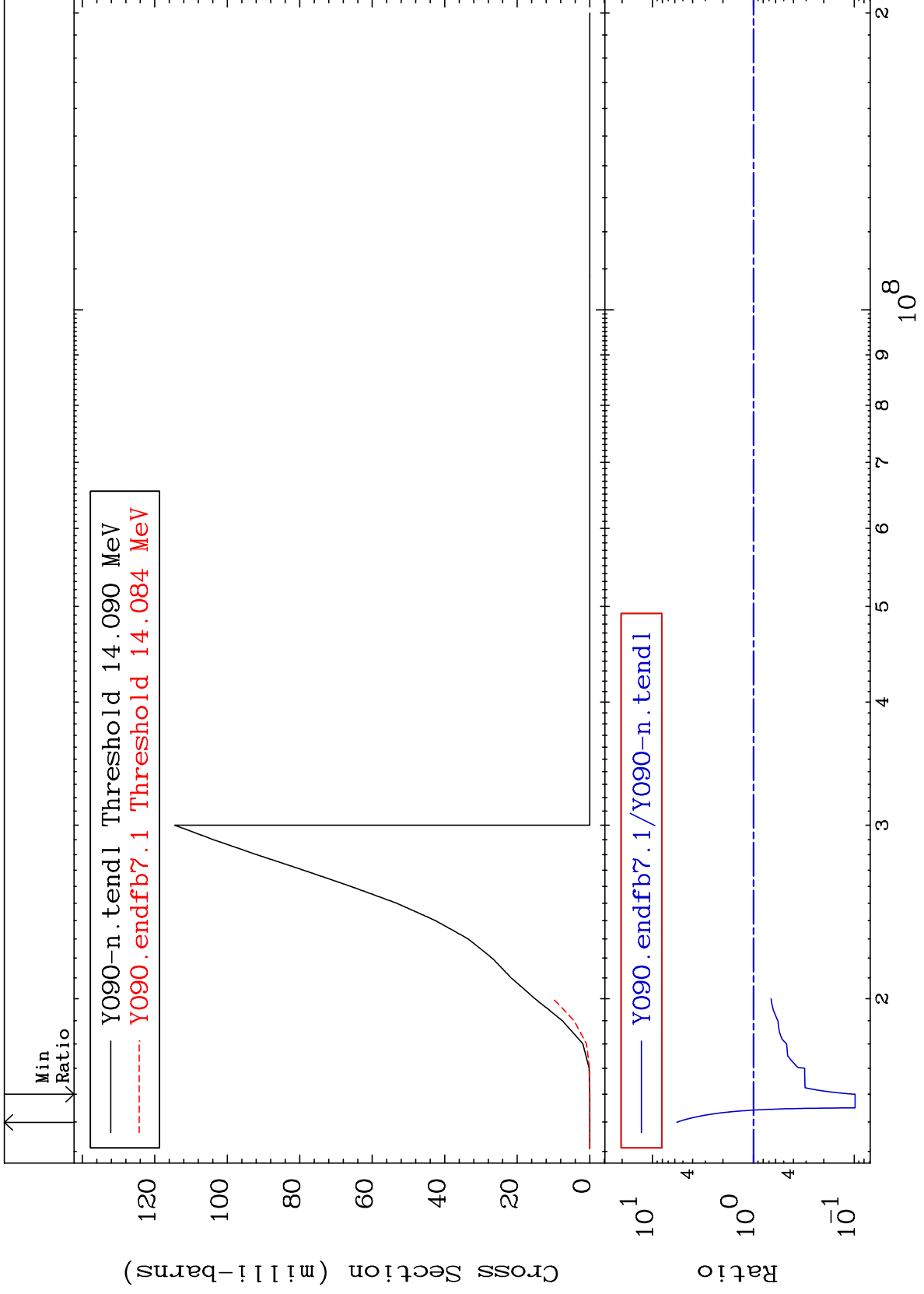
39-Y -90



MAT 3928

(n,2n) p  
Cross Section

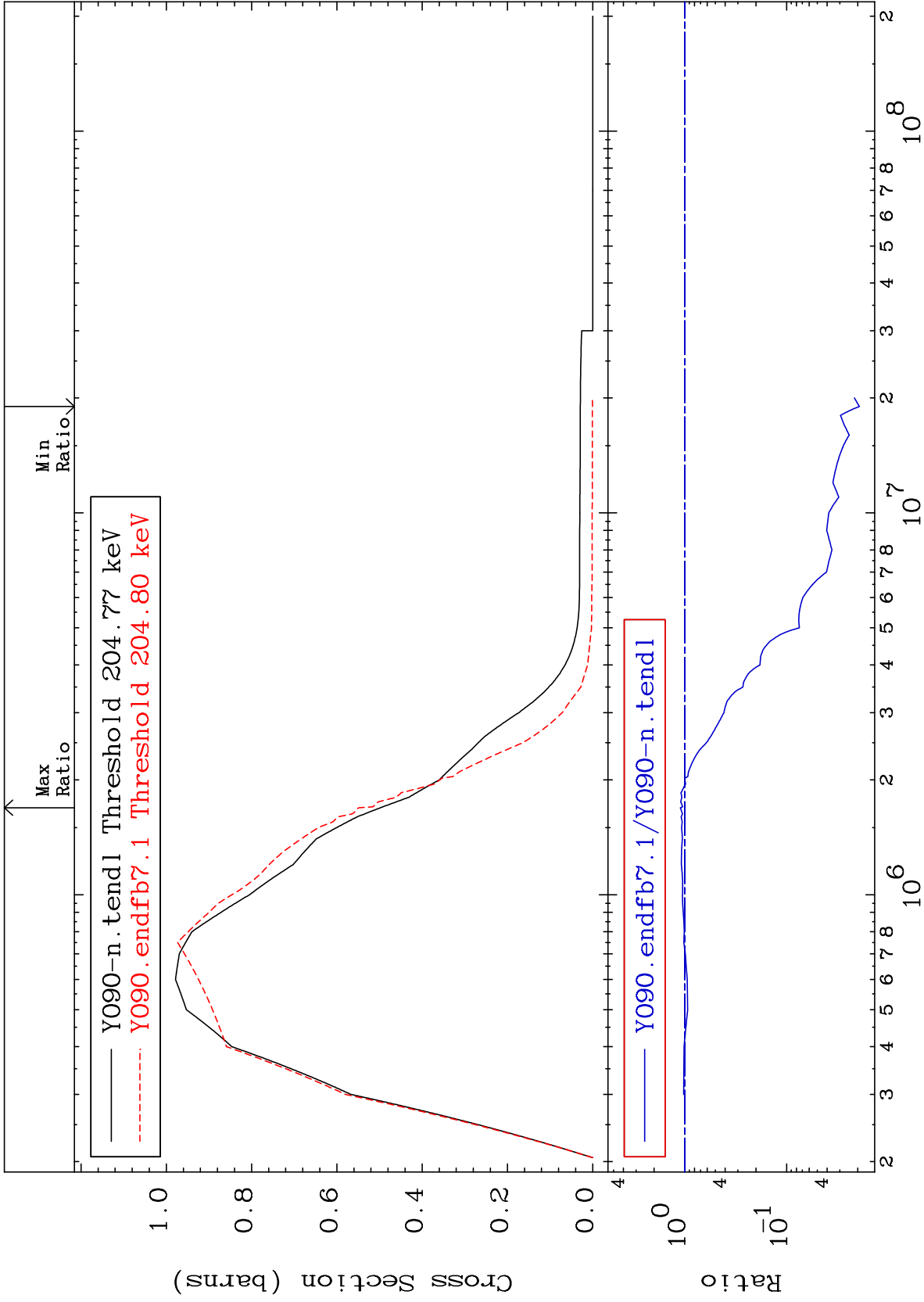
39-Y -90  
-90.21 To 472.4 %



MAT 3928

202.5 keV (n,n') Level  
Cross Section

39-Y -90  
-98.07 To 10.29 %



10

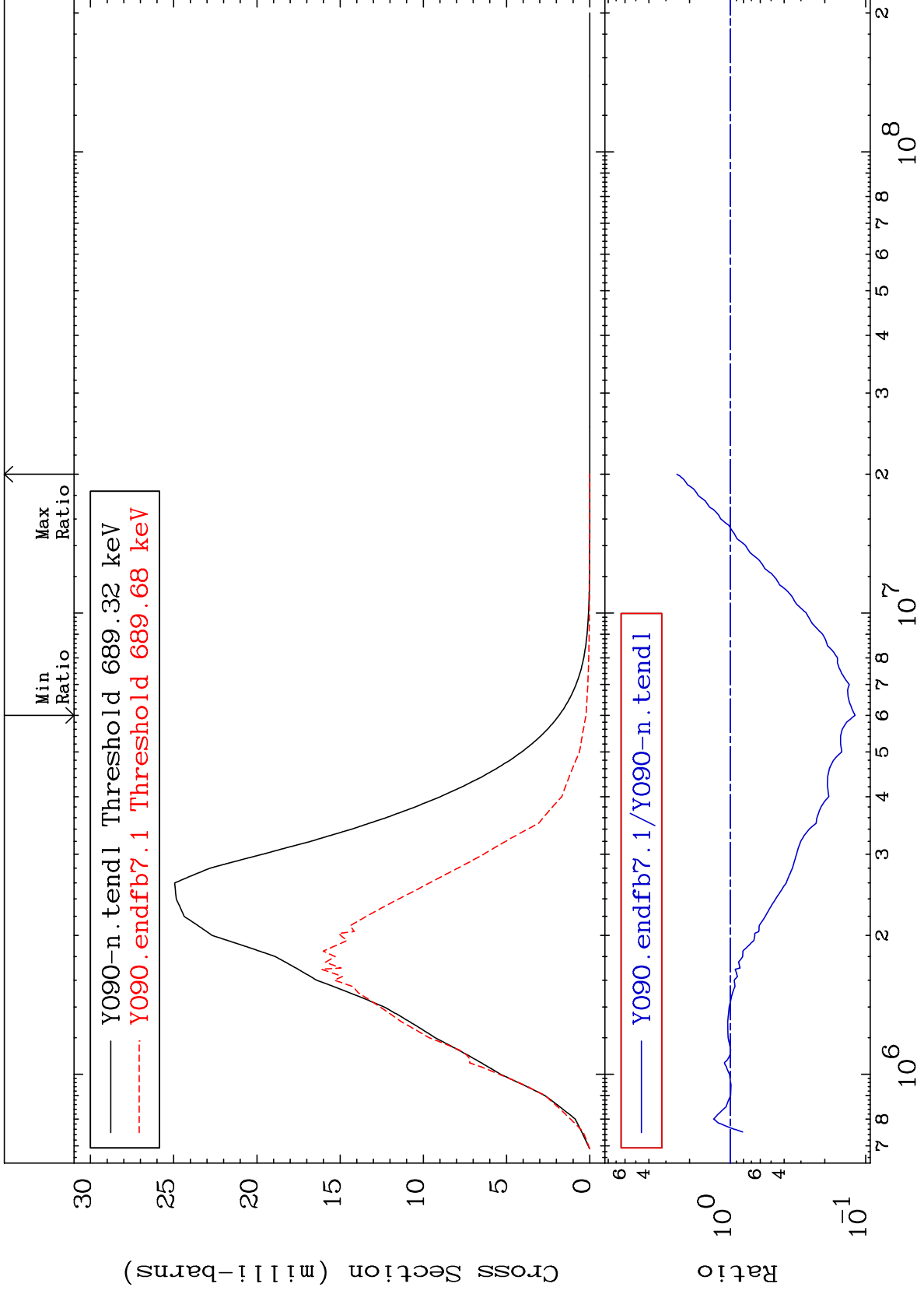
Incident Energy (eV)

39-Y -90

MAT 3928

681.7 keV (n,n') Level  
Cross Section

39-Y -90  
-88.05 To 148.2 %



11

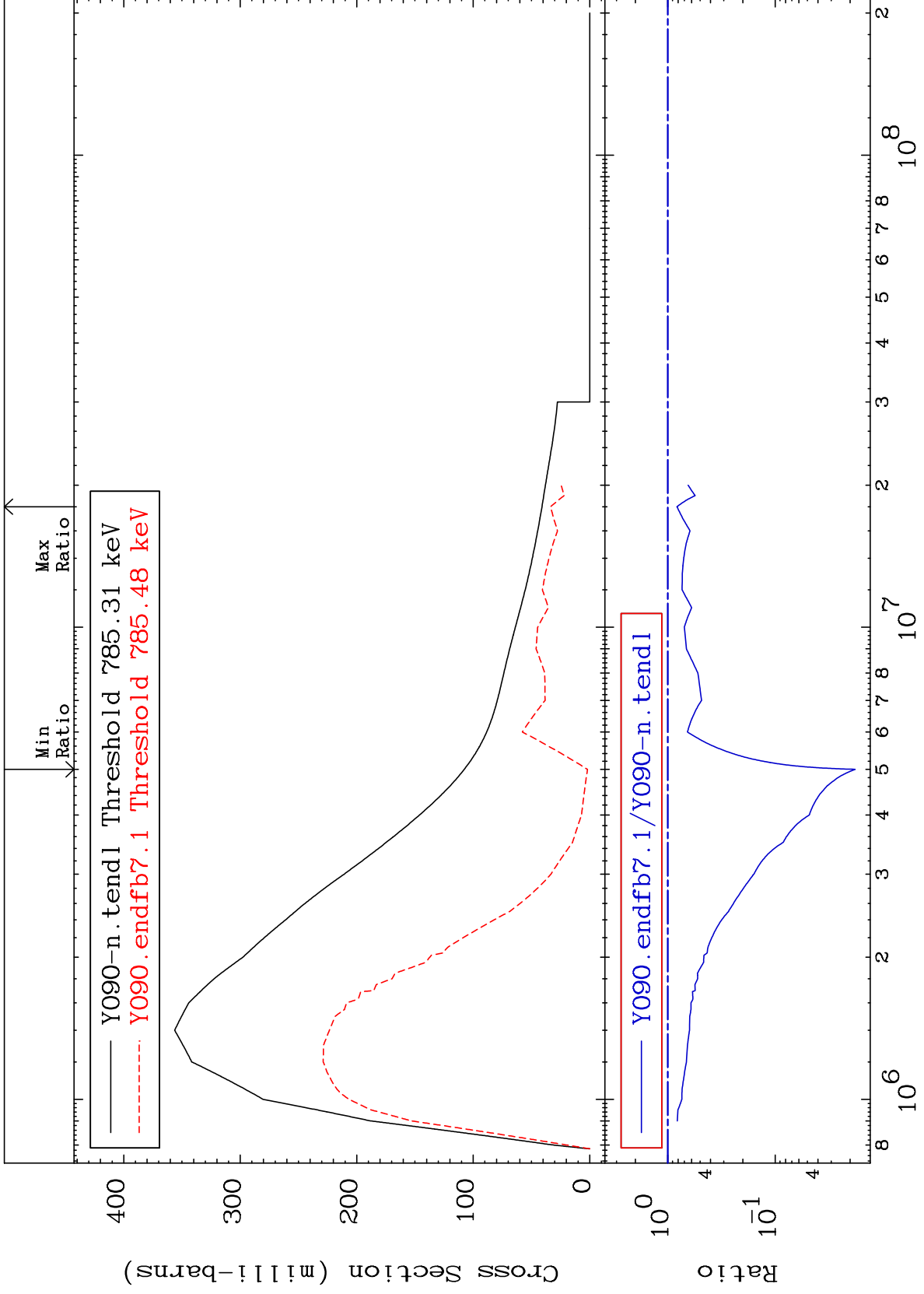
Incident Energy (eV)

39-Y -90

MAT 3928

776.6 keV (n,n') Level  
Cross Section

39-Y -90  
-98.20 To -17.96%



12

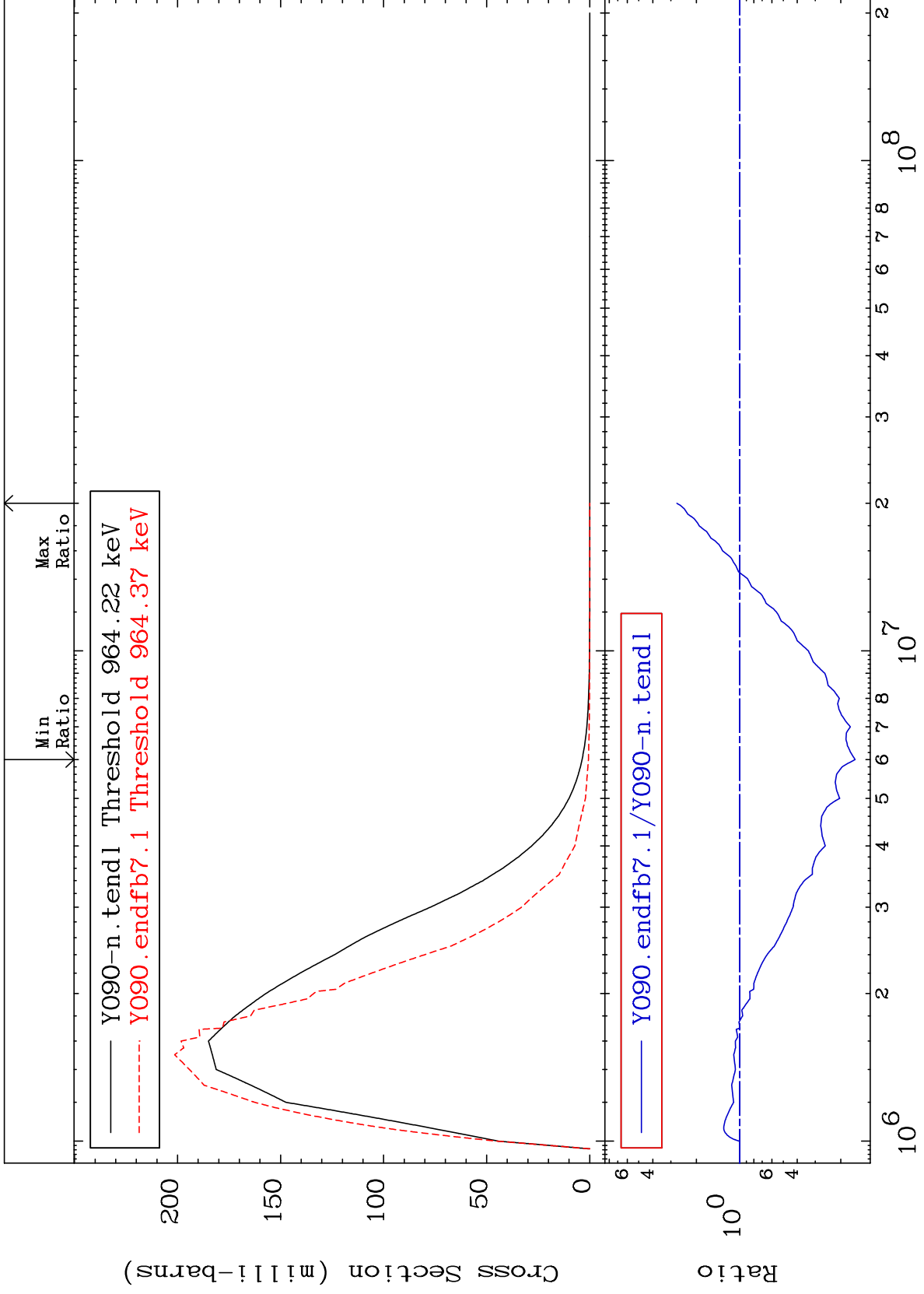
Incident Energy (eV)

39-Y -90

MAT 3928

953.5 keV (n,n') Level  
Cross Section

39-Y -90  
-84.09 To 172.3 %



13

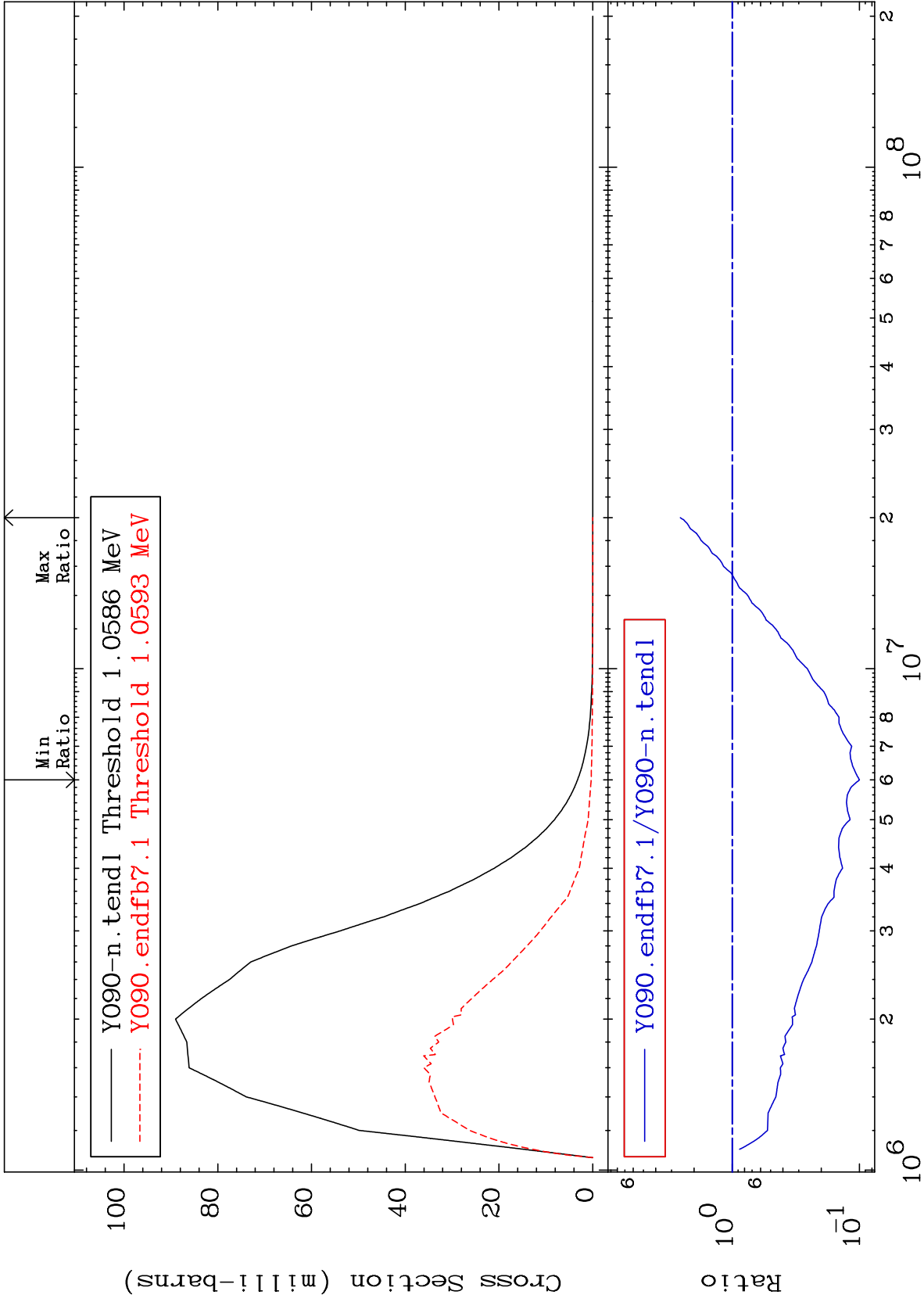
Incident Energy (eV)

39-Y -90

MAT 3928

1.047 MeV (n,n') Level  
Cross Section

39-Y -90  
-89.99 To 155.9 %



14

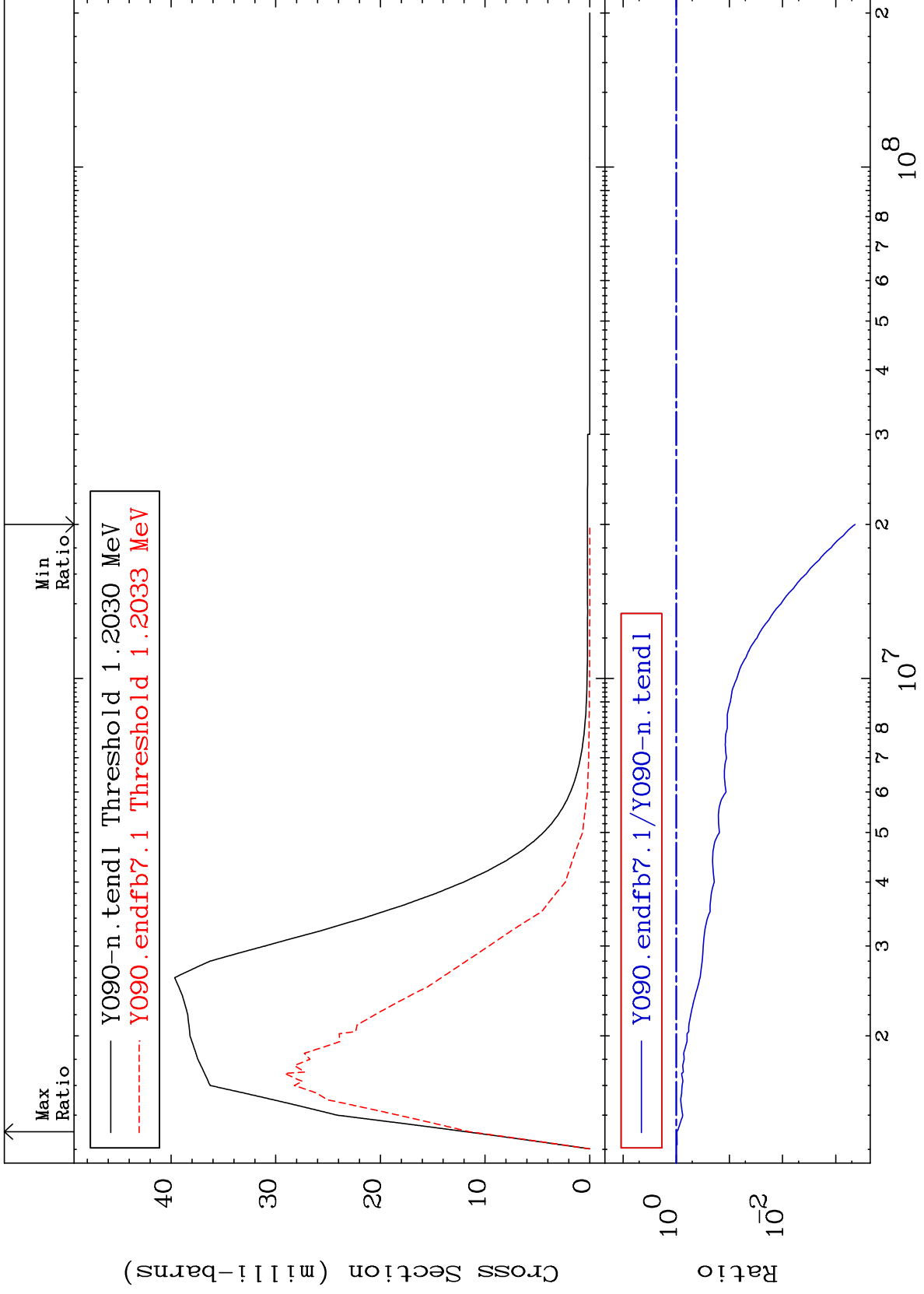
Incident Energy (eV)

39-Y -90

MAT 3928

1.190 MeV (n,n') Level  
Cross Section

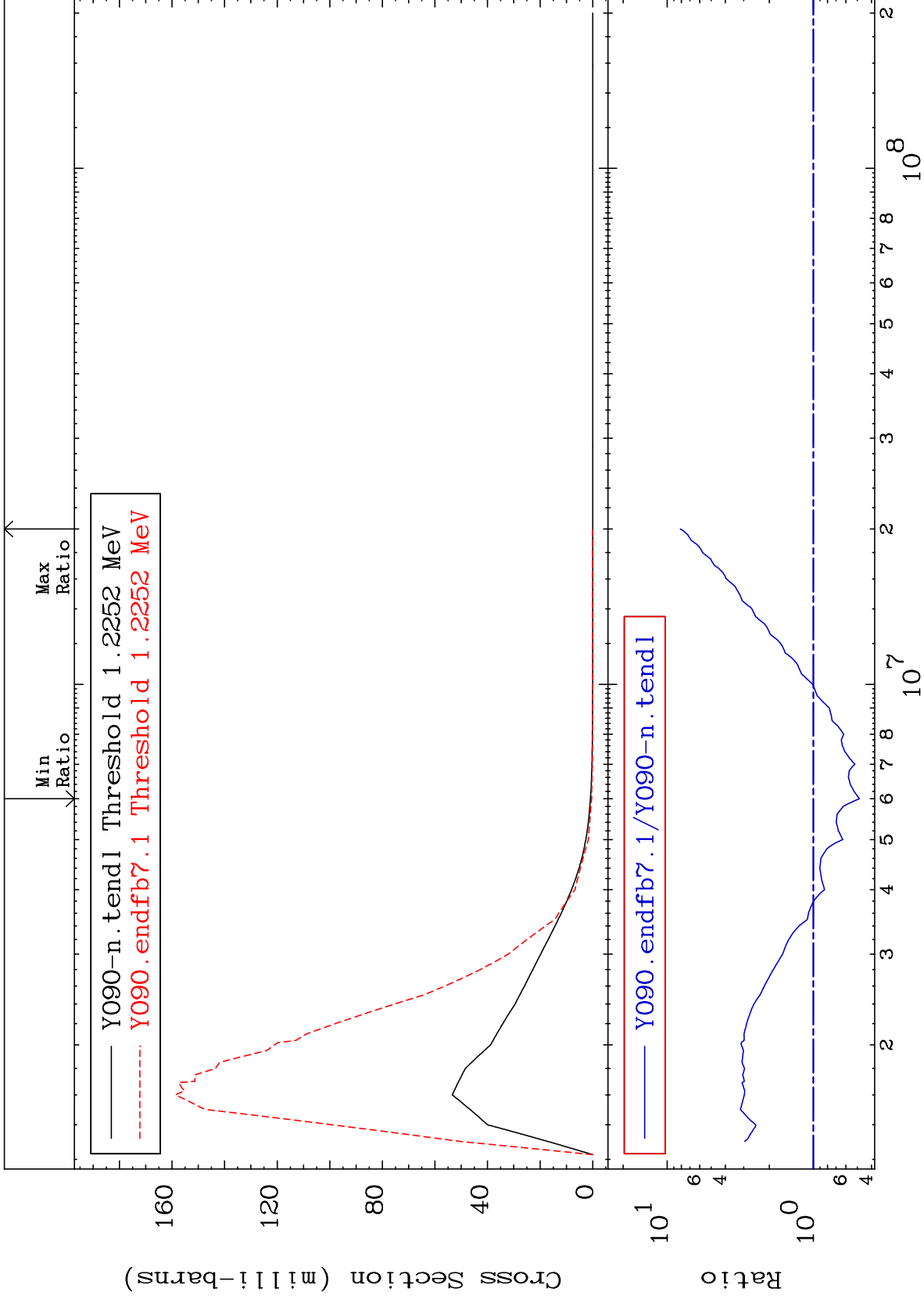
39-Y -90  
-99.96 To -2.802%



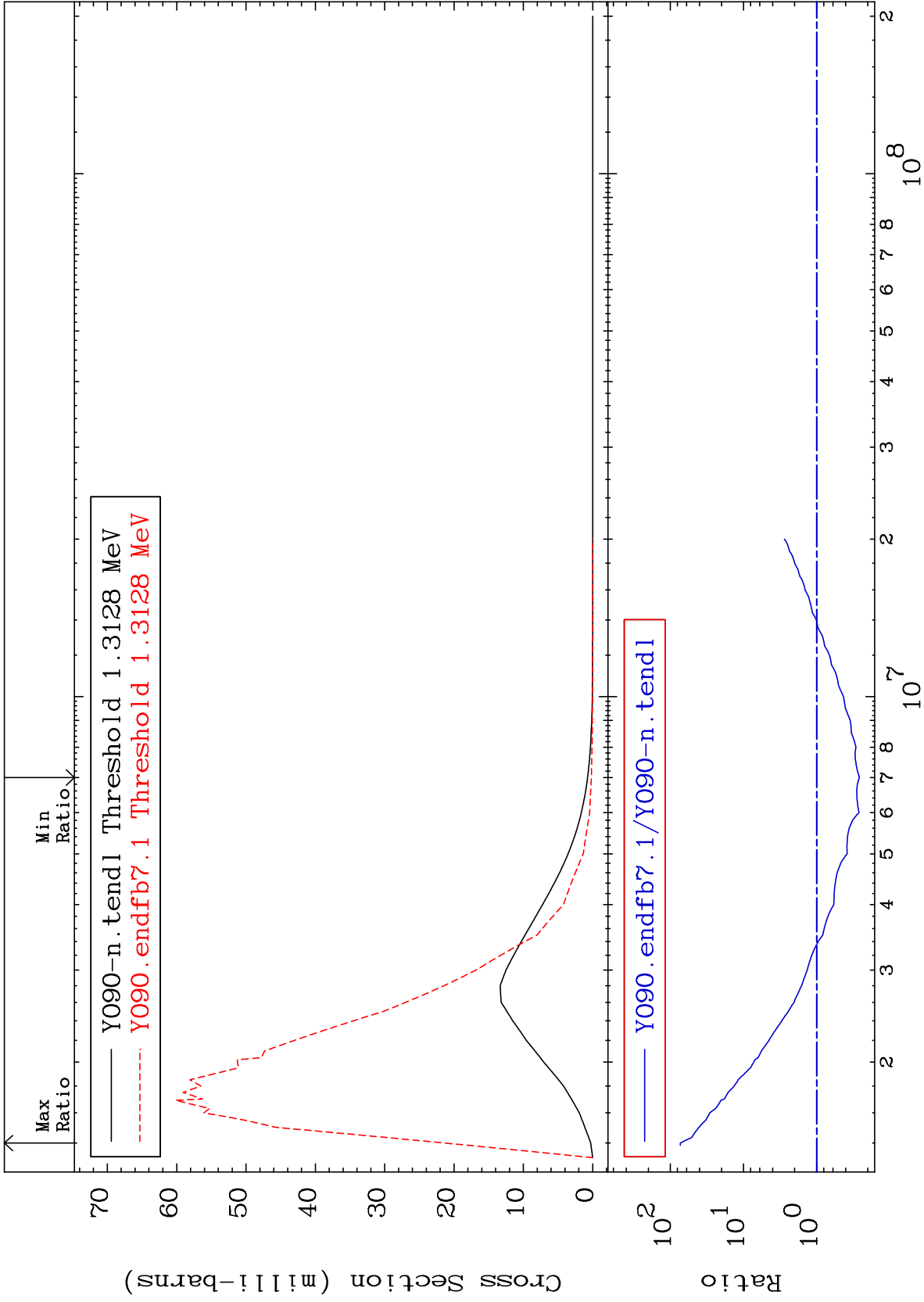
15

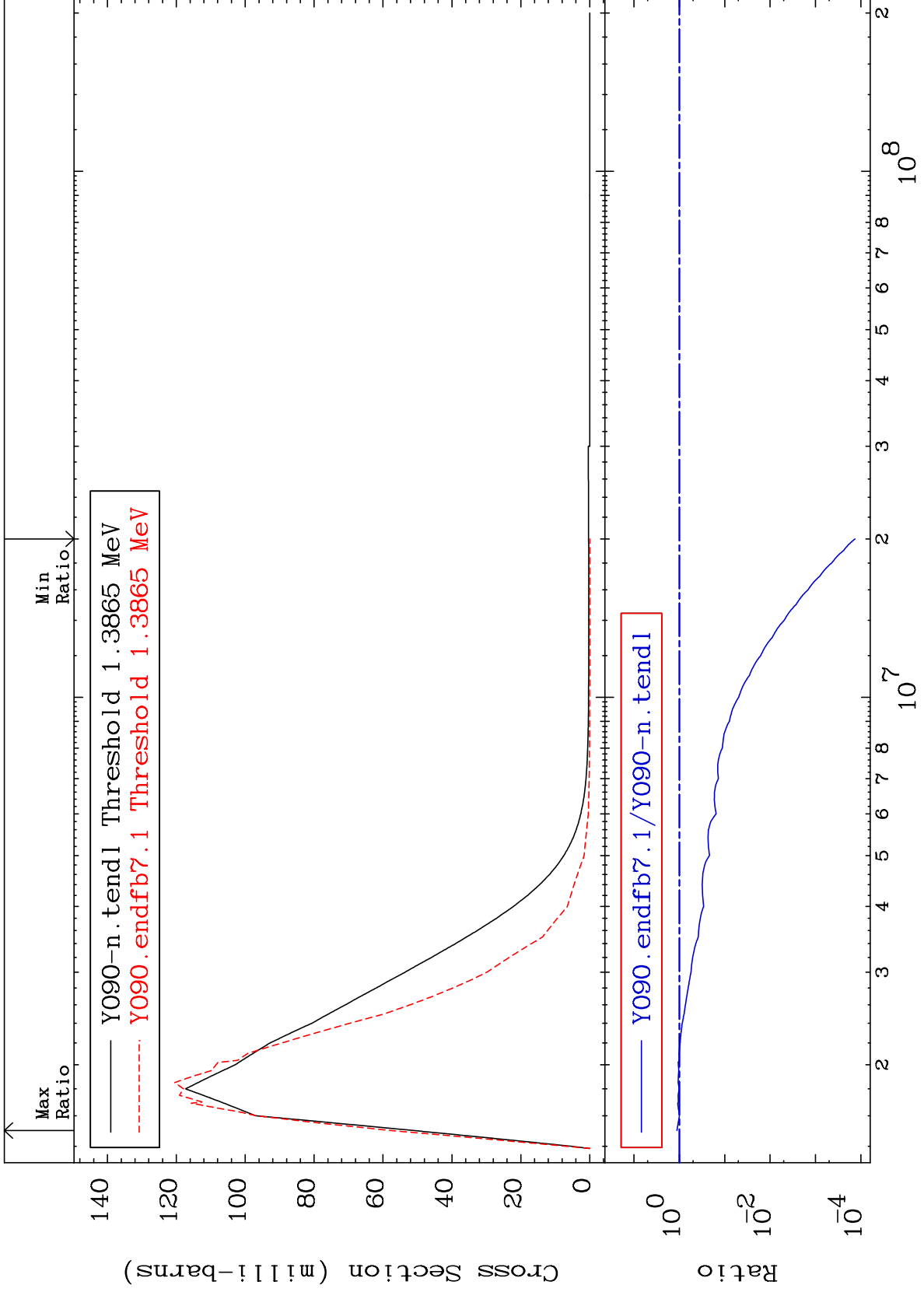
Incident Energy (eV)

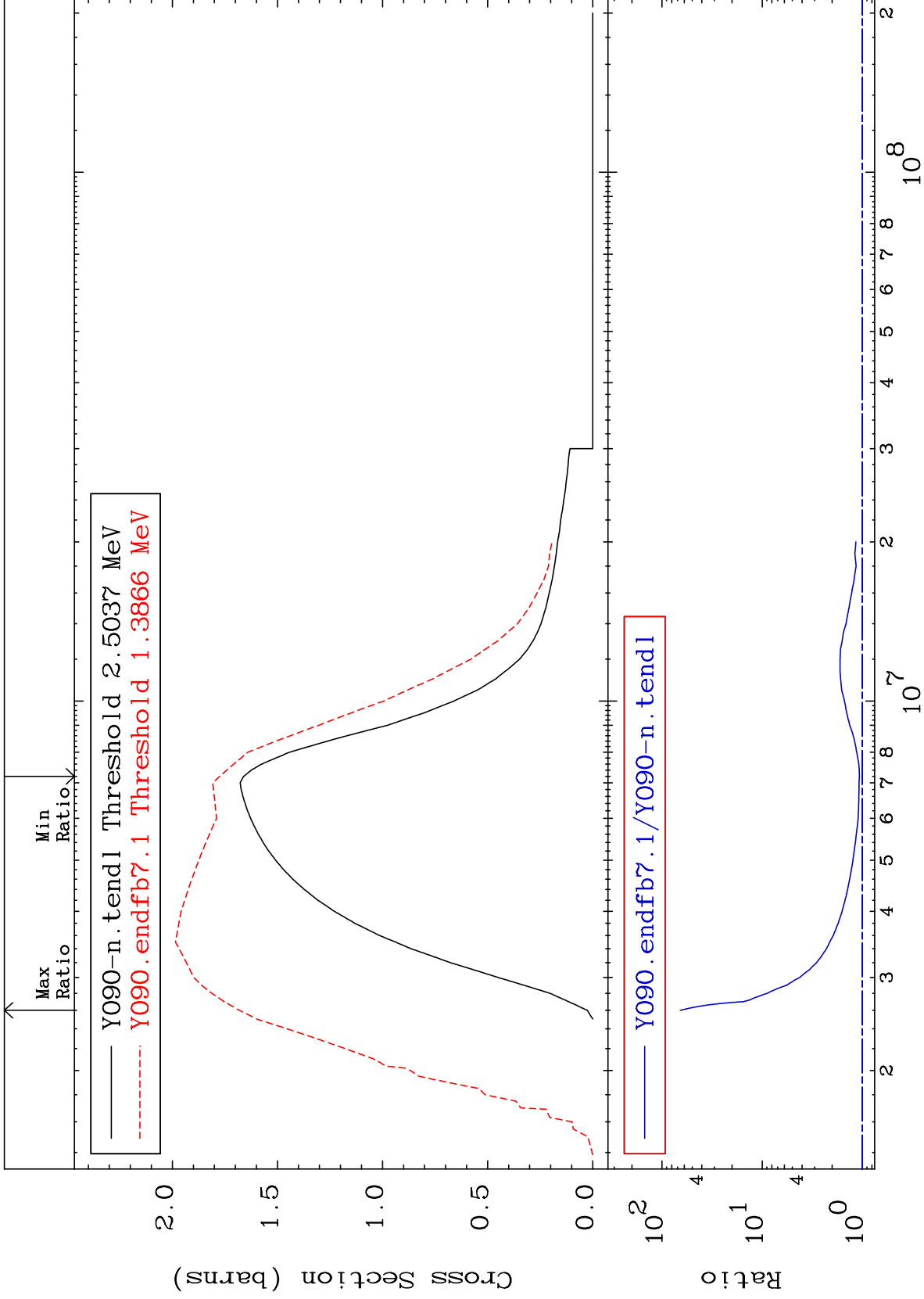
39-Y -90









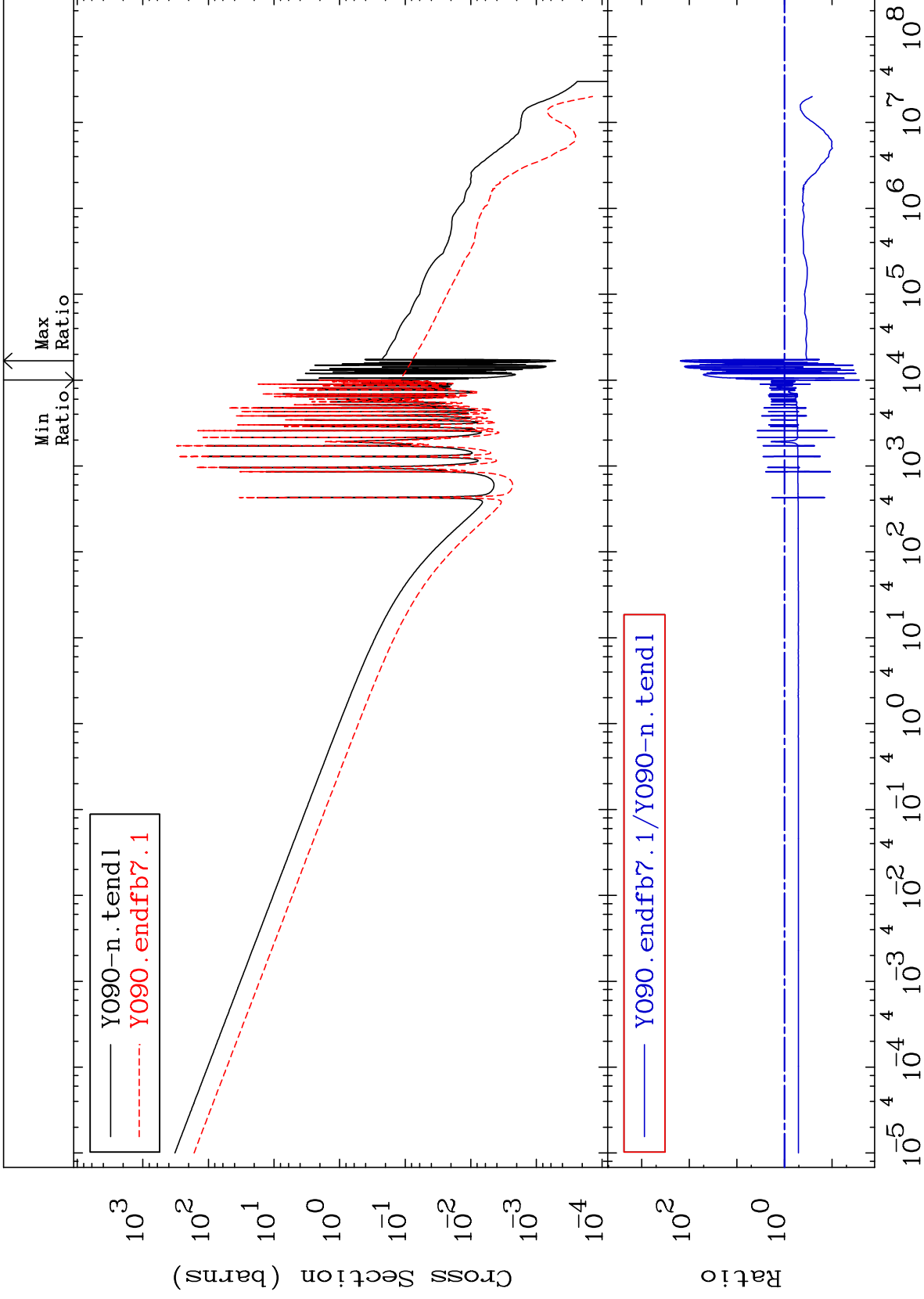


MAT 3928

(n,  $\gamma$ )

Cross Section

39-Y -90  
-97.34 To 9999. %



20

Incident Energy (eV)

39-Y -90

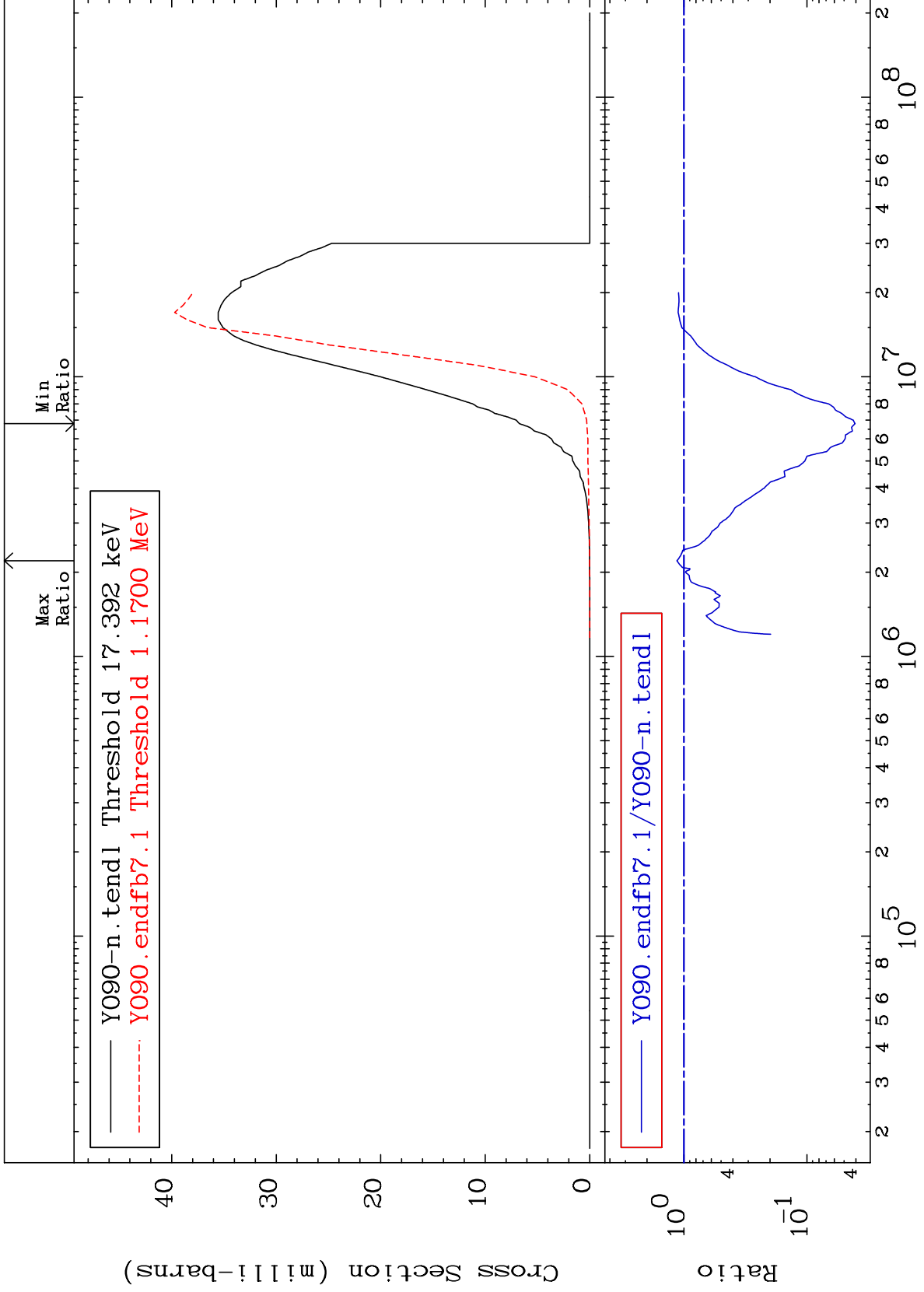
MAT 3928

(n,p)

39-Y -90

Cross Section

-95.94 To 14.19 %



21

Incident Energy (eV)

39-Y -90

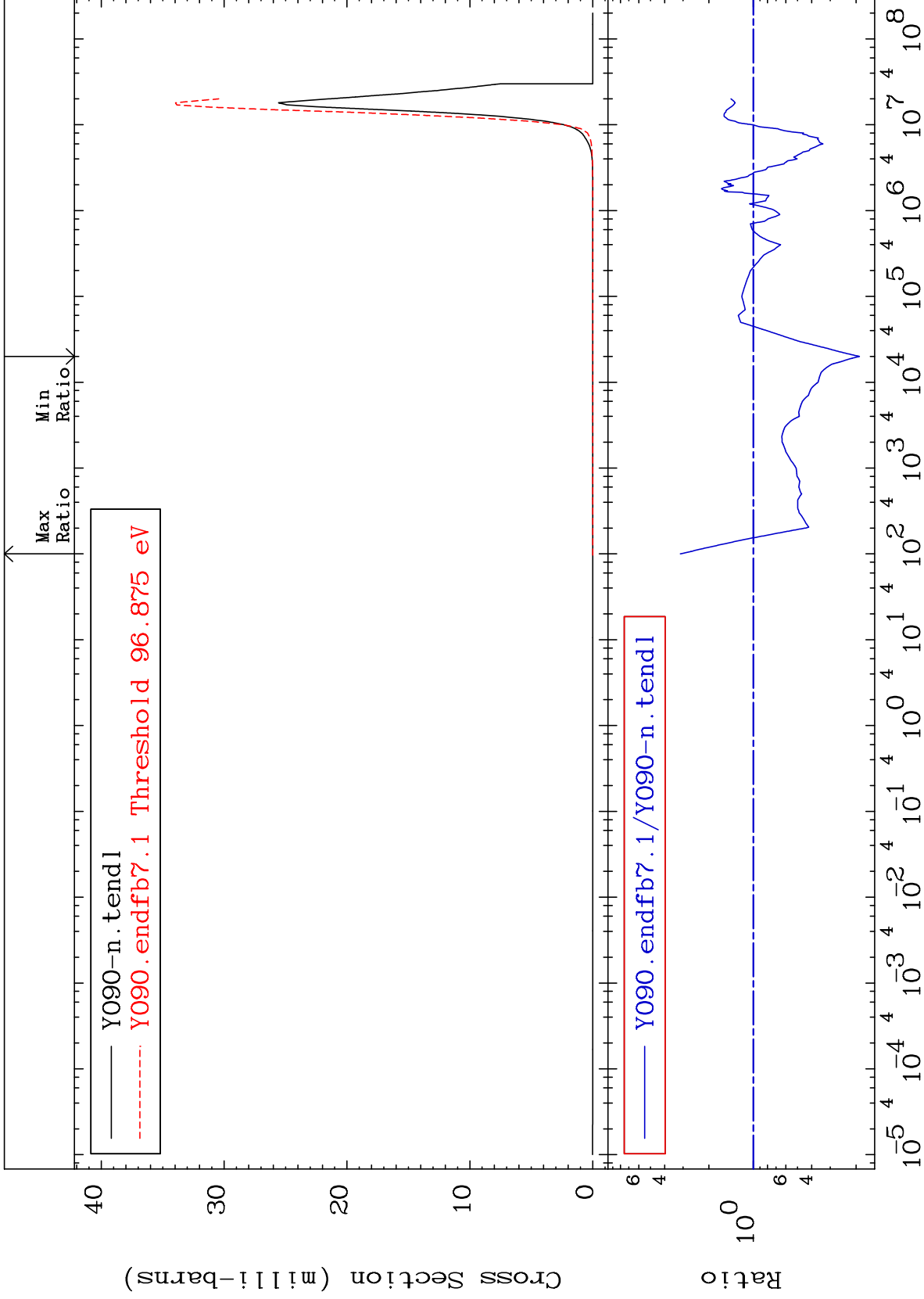
MAT 3928

(n,  $\alpha$ )

39-Y -90

Cross Section

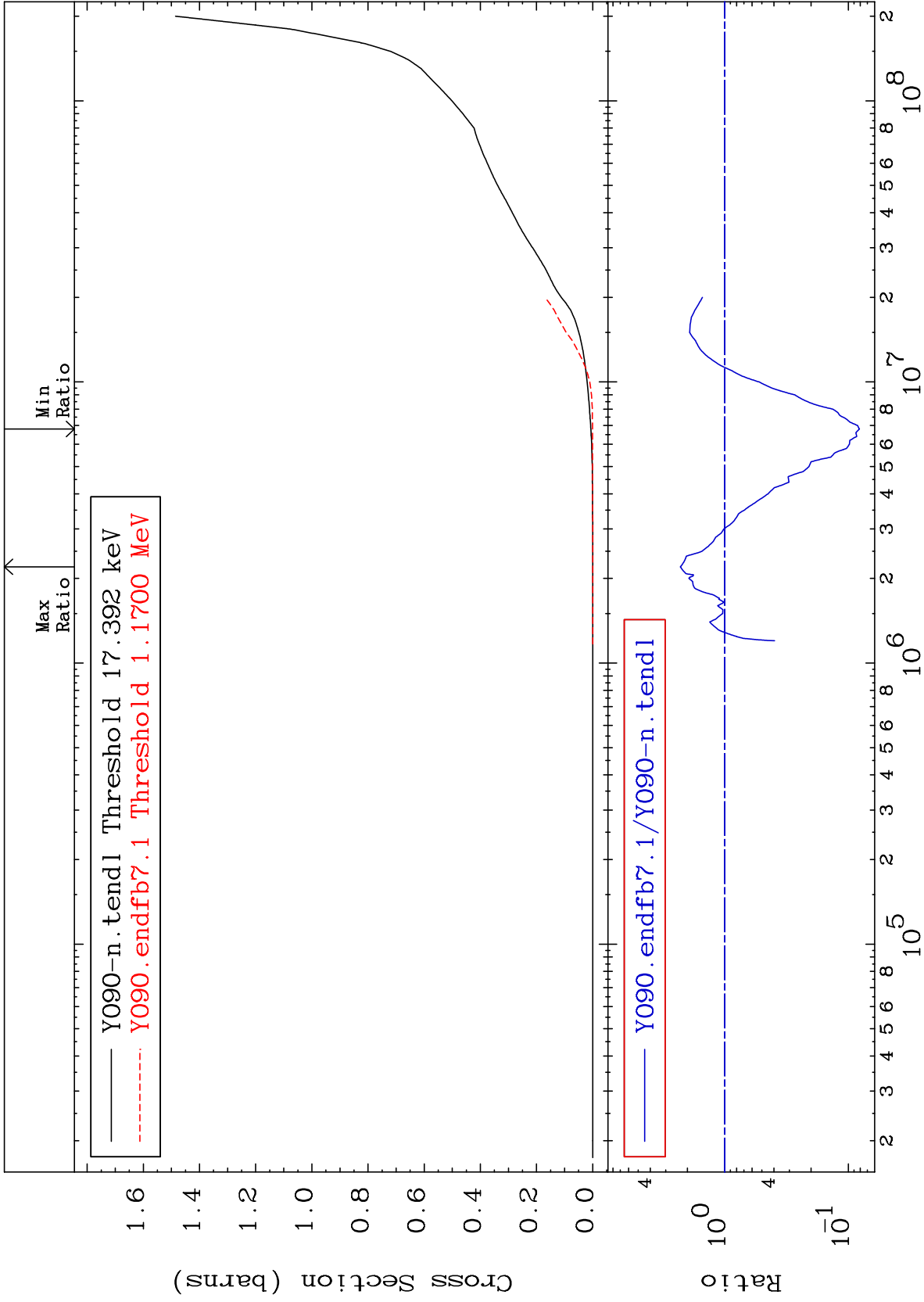
-81.04 To 212.8 %

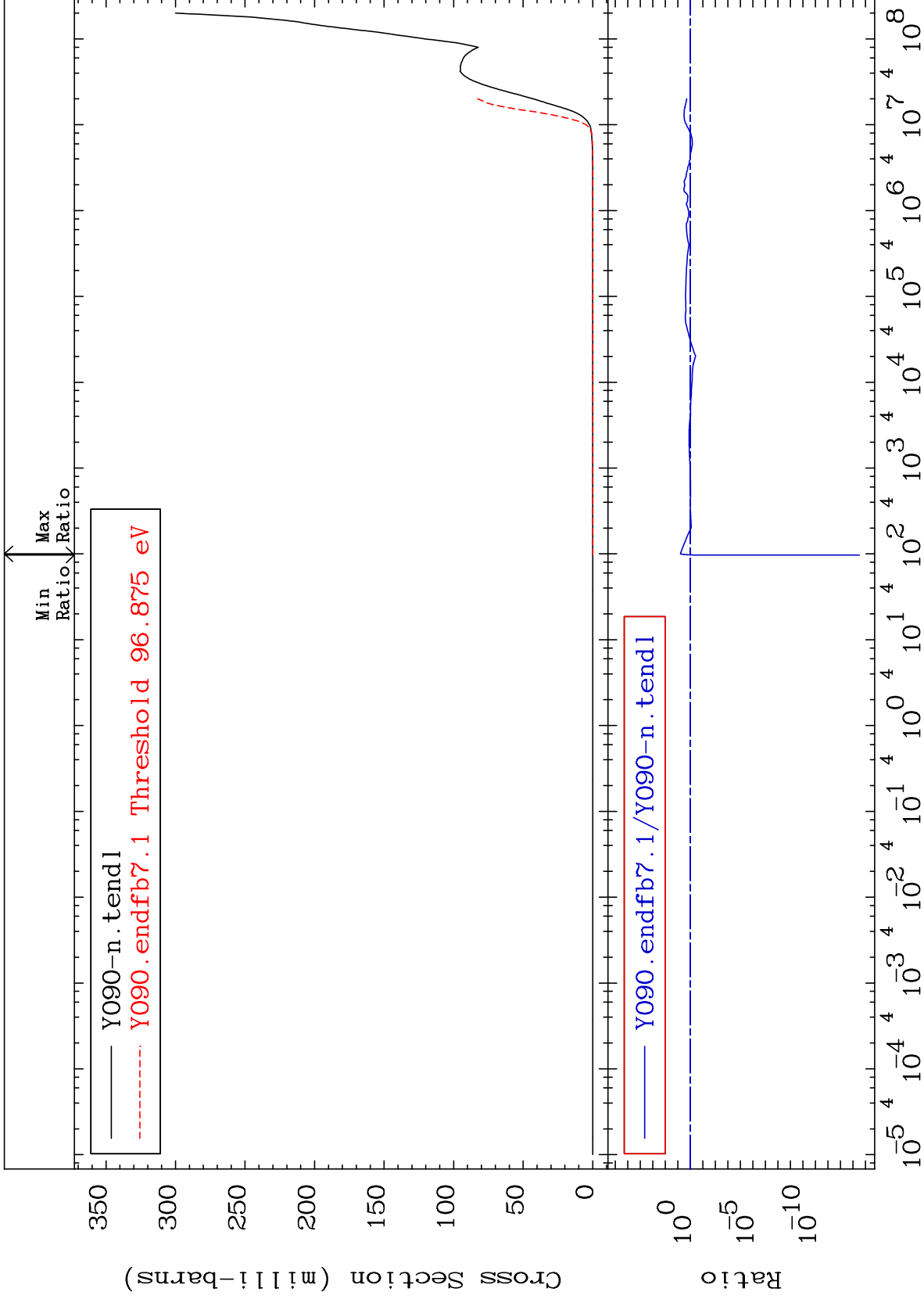


22

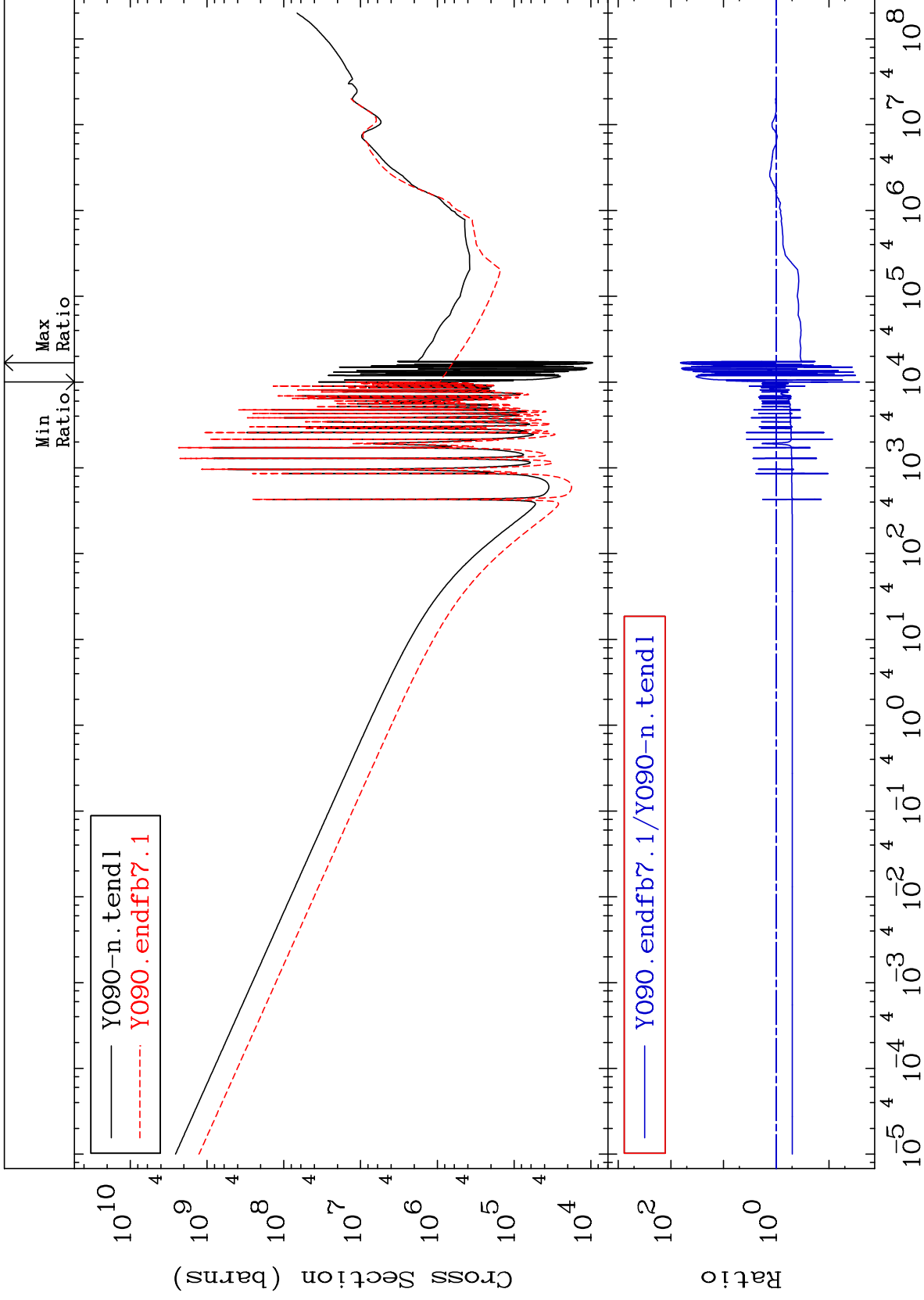
Incident Energy (eV)

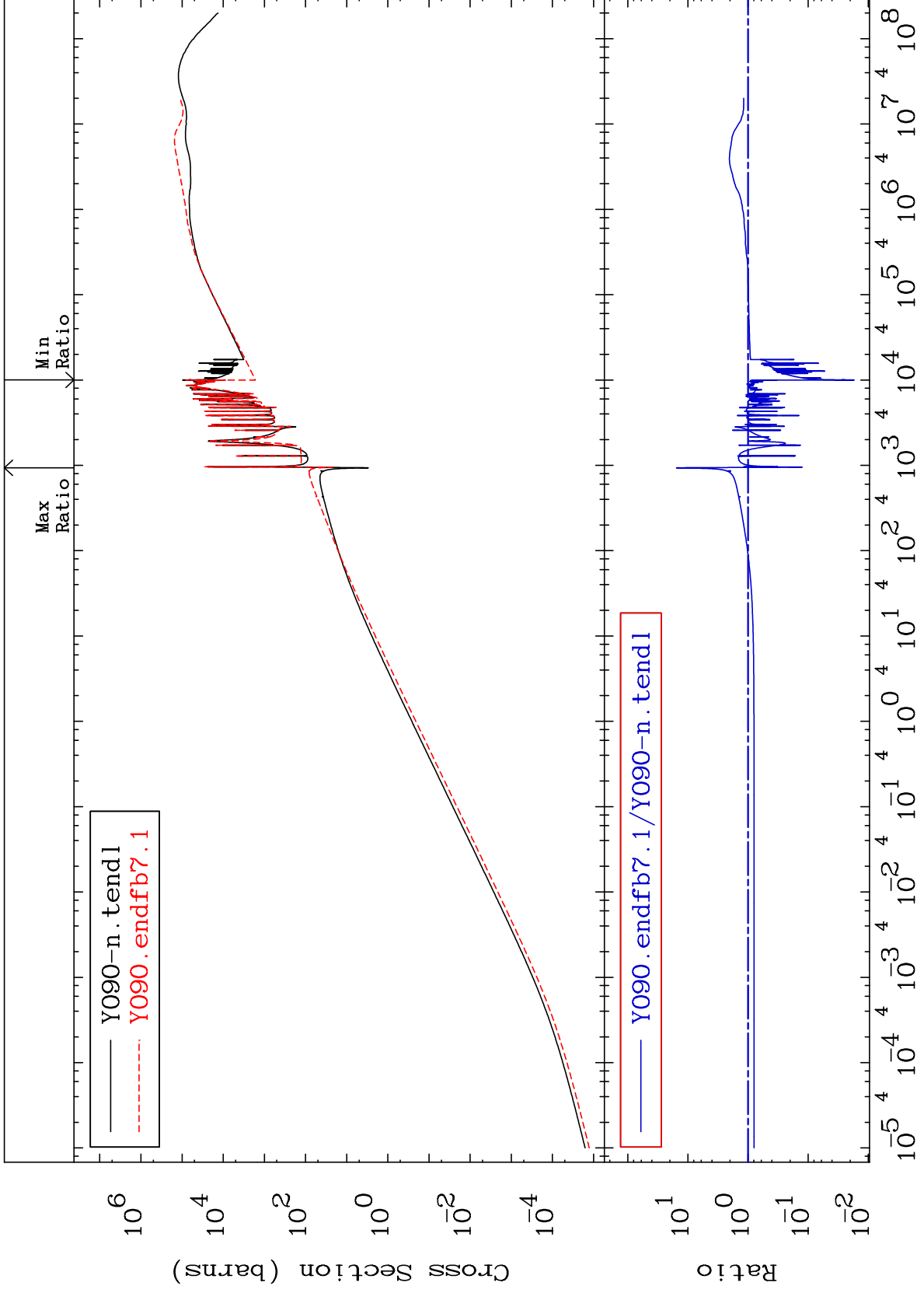
39-Y -90

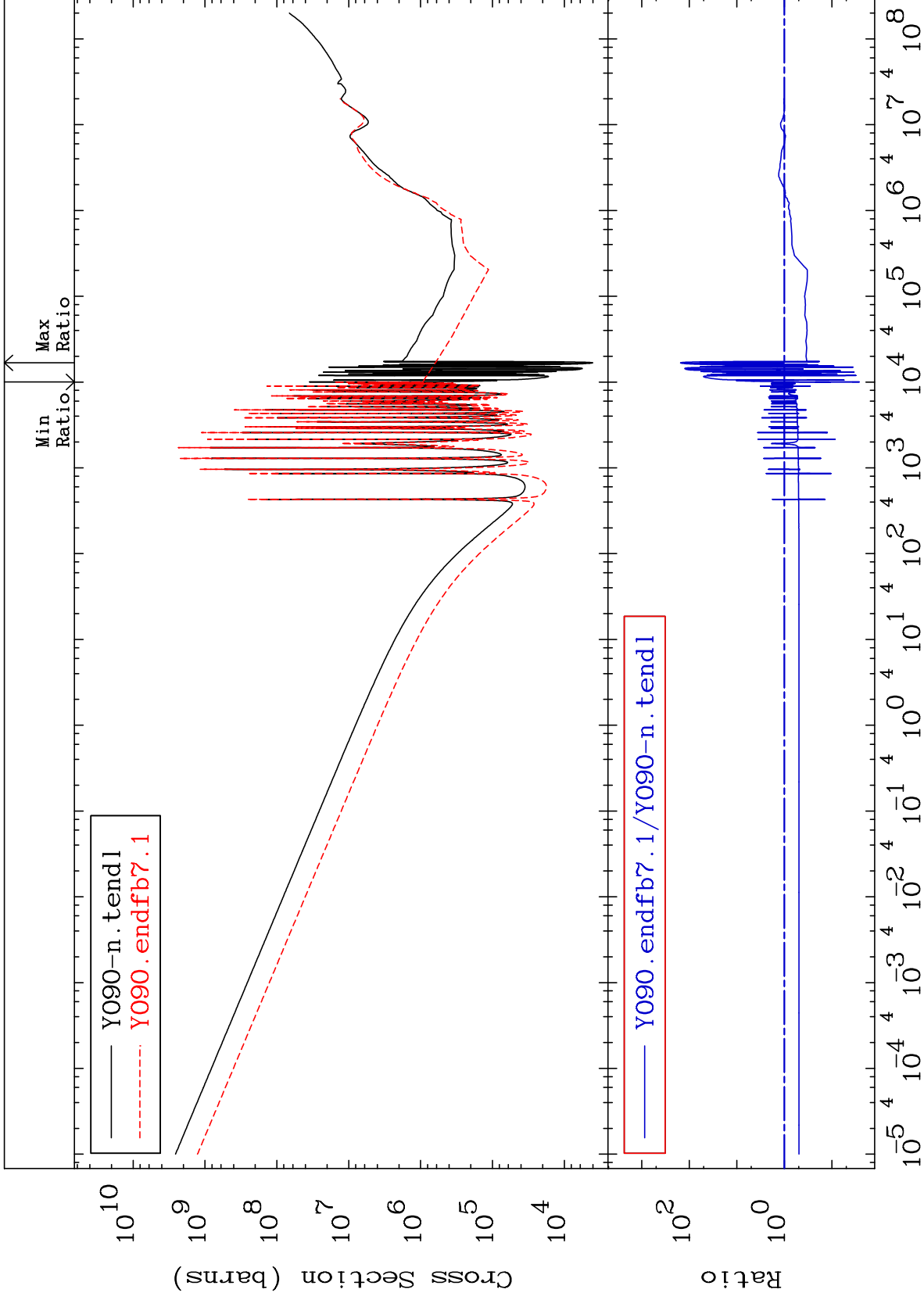


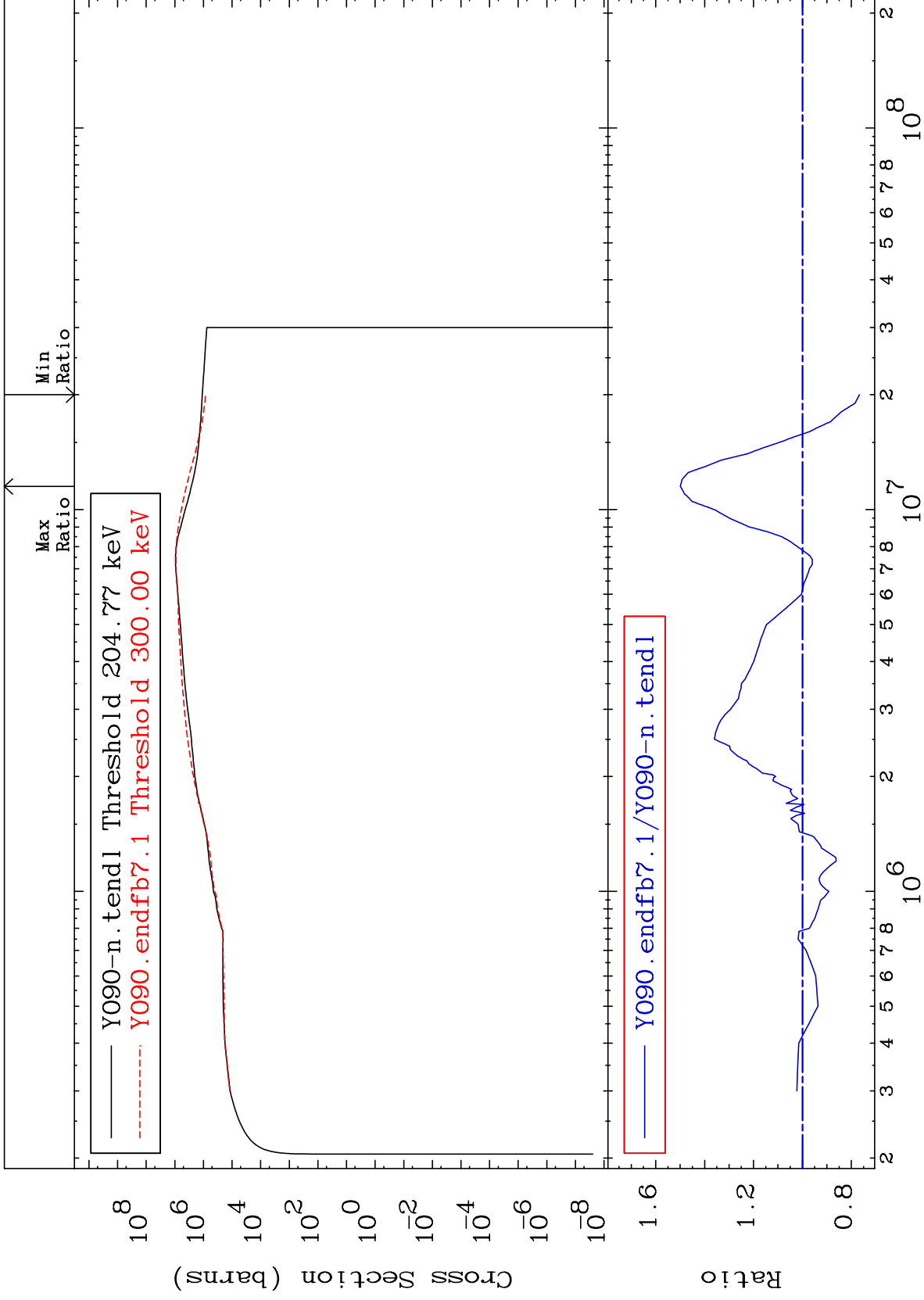








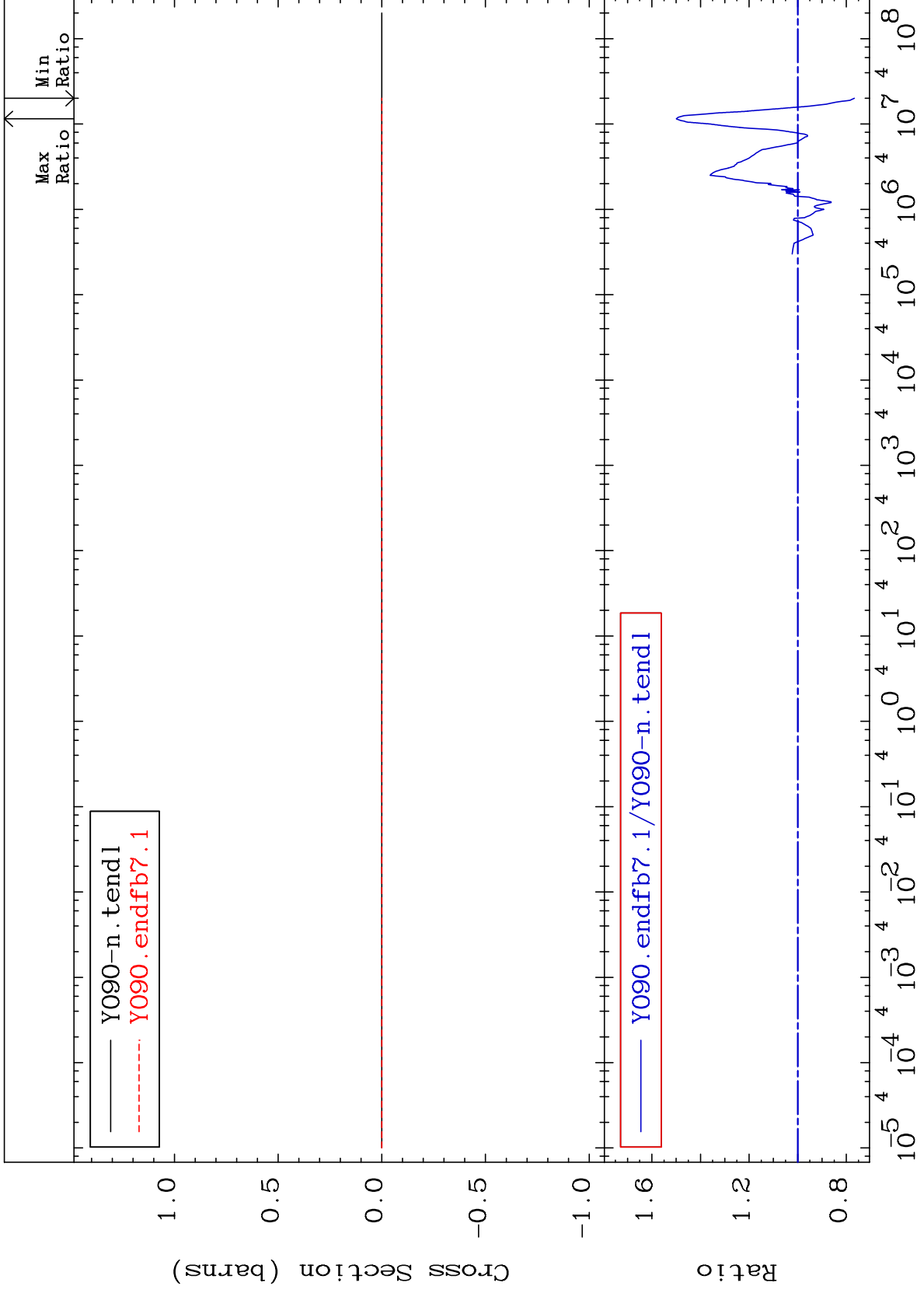




MAT 3928

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

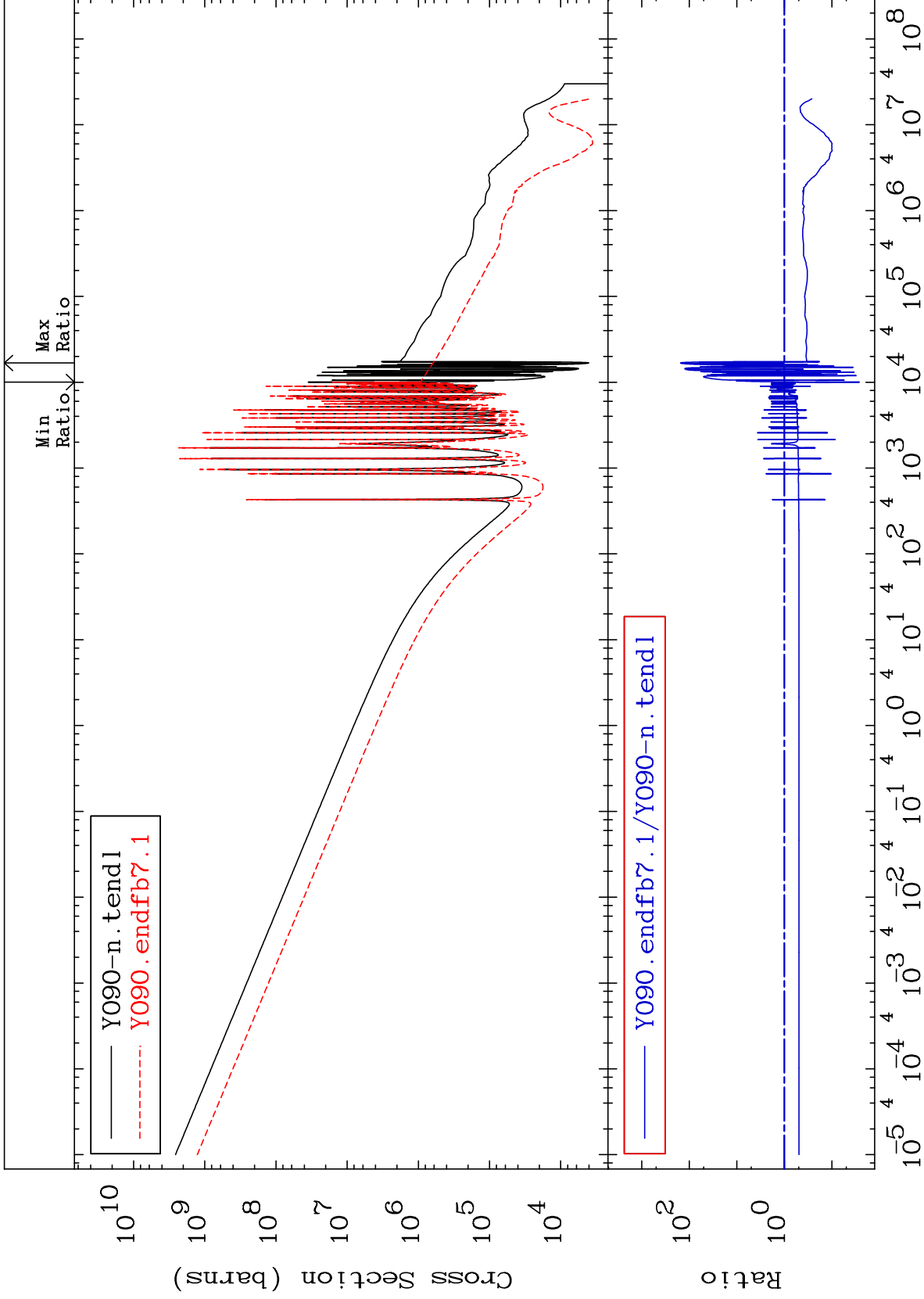
39-Y -90  
-23.31 To 49.92 %



MAT 3928

Kerma capture (mt102)  
Cross Section

39-Y -90  
-97.37 To 9999. %



30

Incident Energy (eV)

39-Y -90

