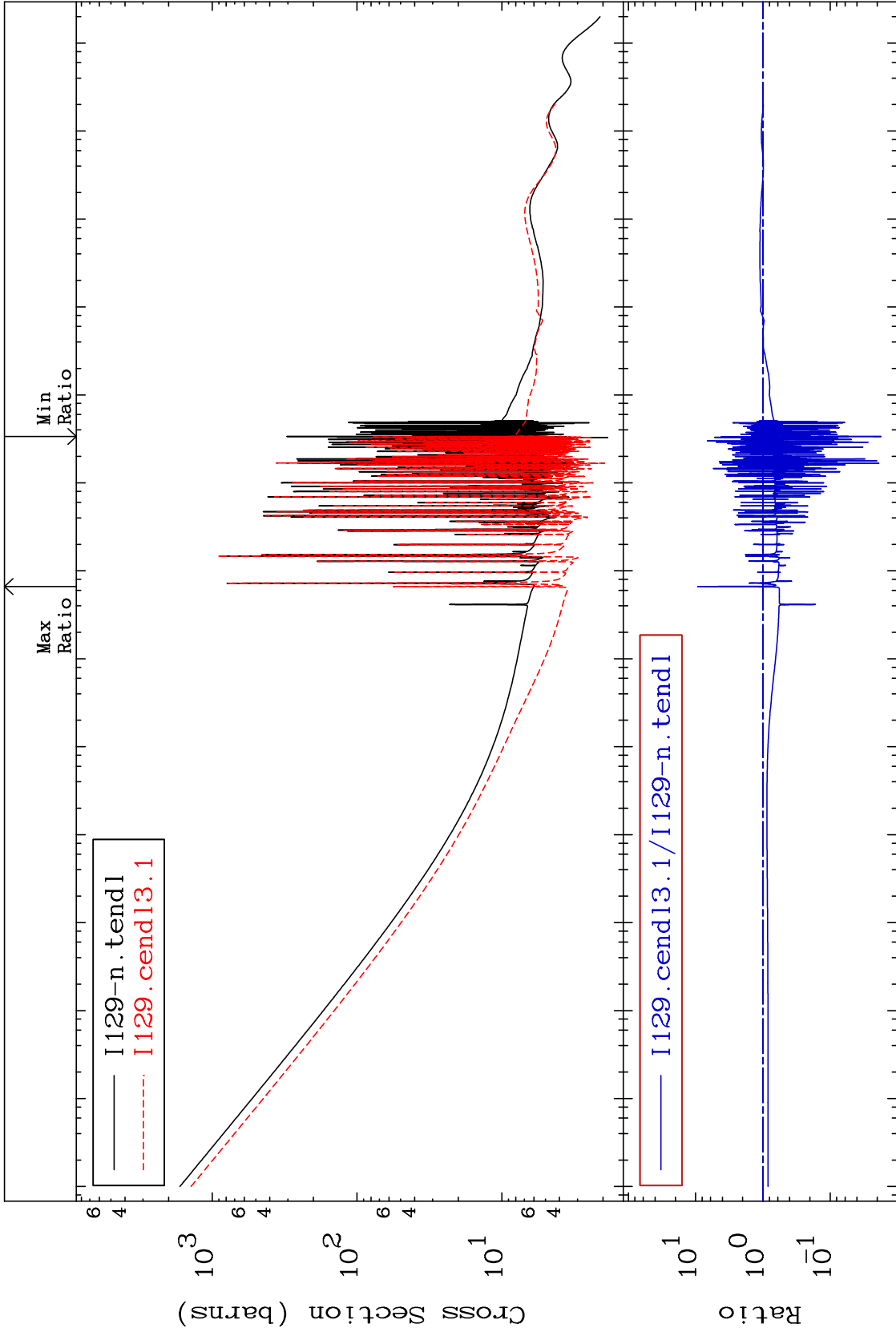


MAT 5331

Total  
Cross Section

53-I -129  
-98.25 To 836.8 %

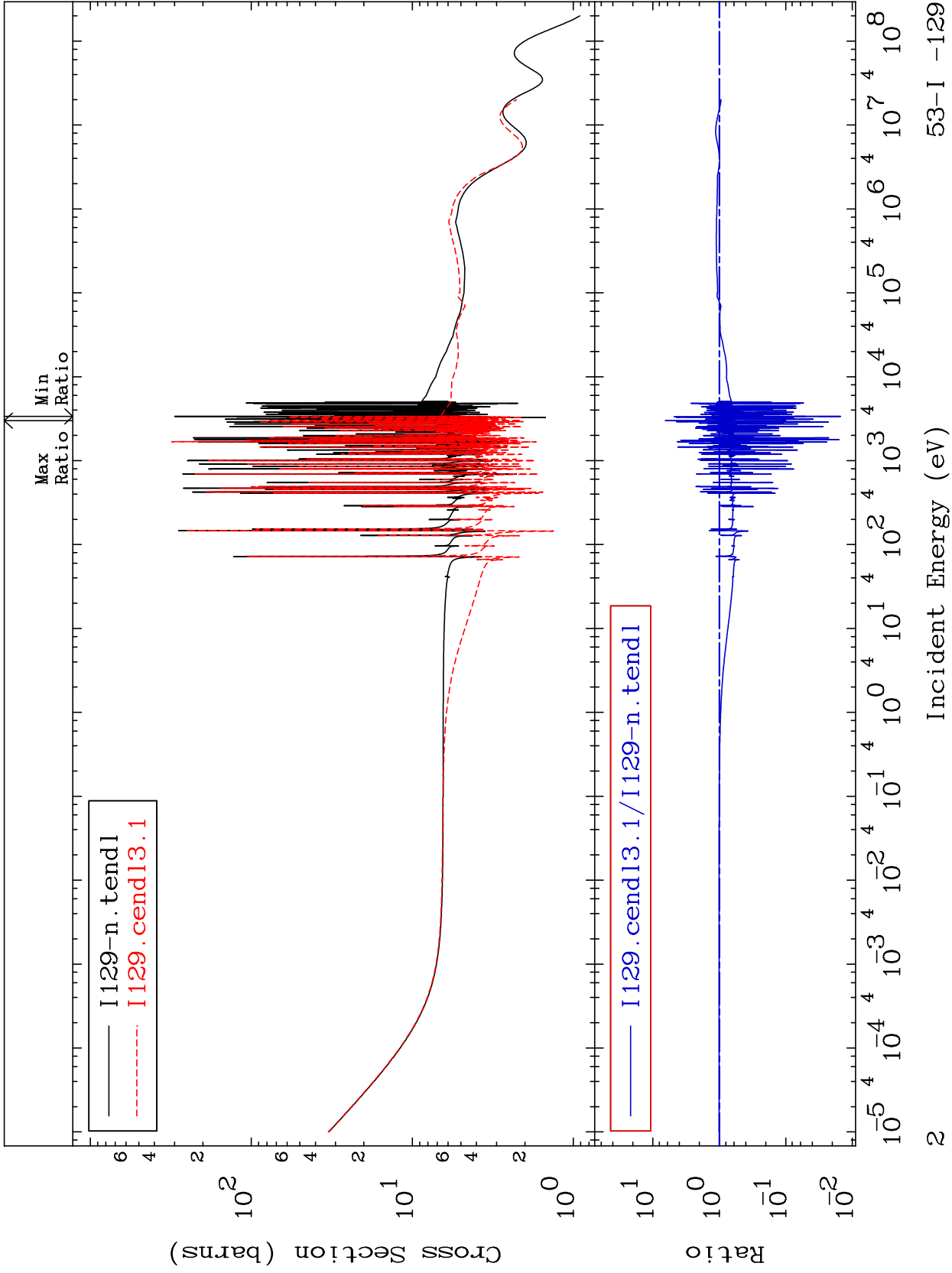


53-I -129

MAT 5331

Elastic  
Cross Section

53-I -129  
-98.51 To 545.0 %



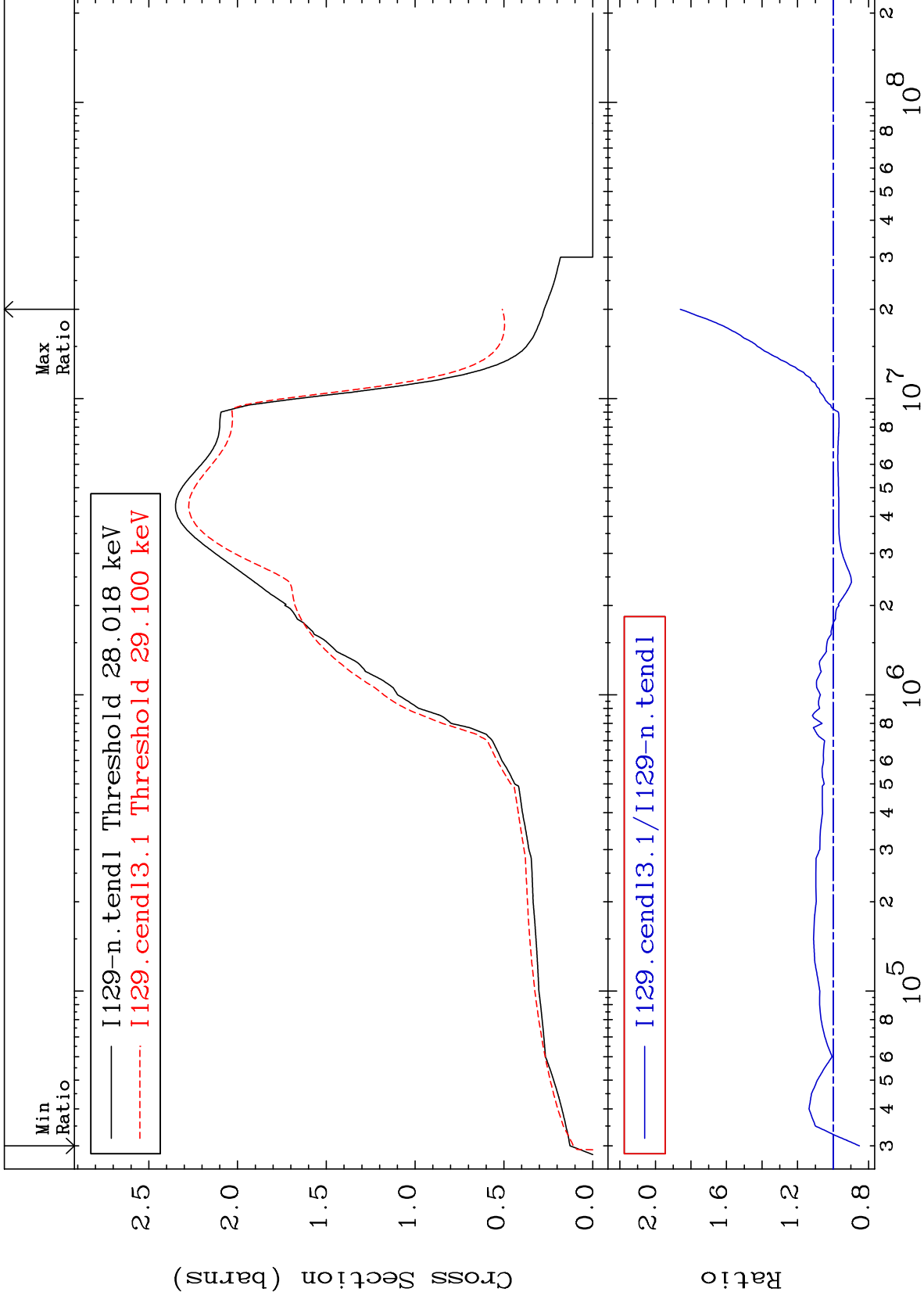
Incident Energy (eV)

53-I -129

MAT 5331

Inelastic  
Cross Section

53-I -129  
-14.81 To 85.96 %



3

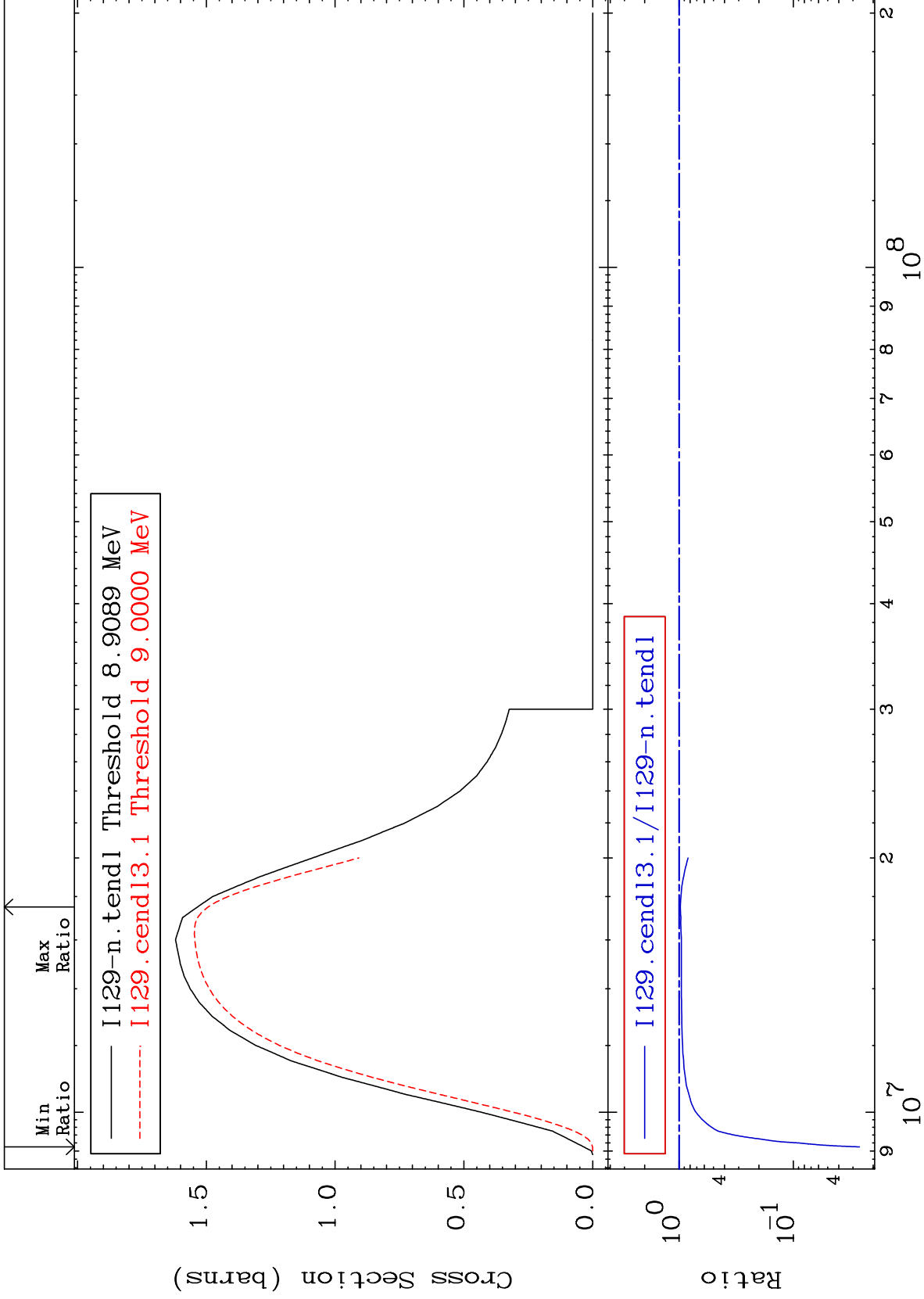
Incident Energy (eV)

53-I -129

MAT 5331

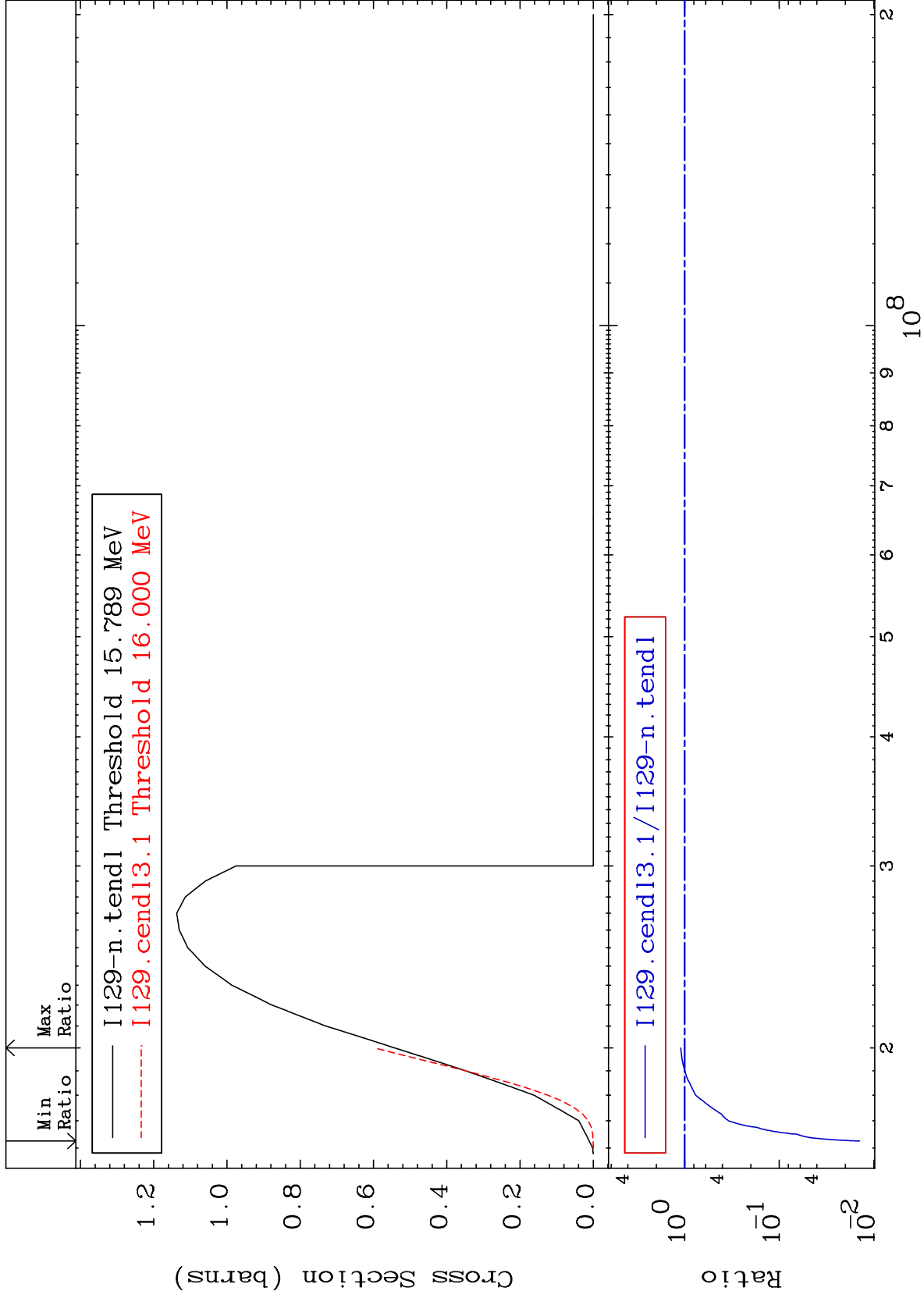
(n,2n)  
Cross Section

53-I -129  
-97.36 To -2.664%



Incident Energy (eV)

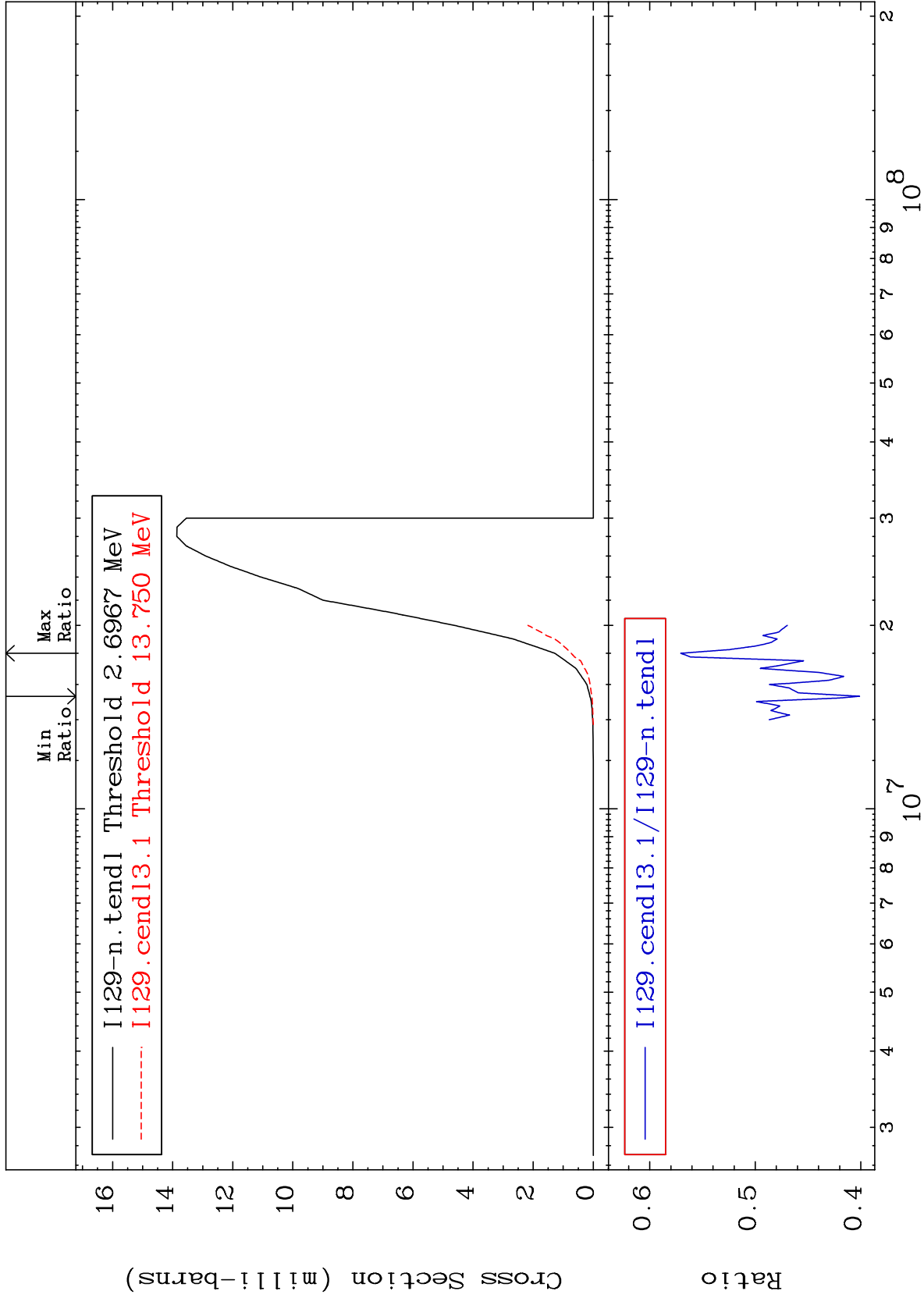
53-I -129



MAT 5331

53-I -129  
-59.88 To -42.94%

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



6

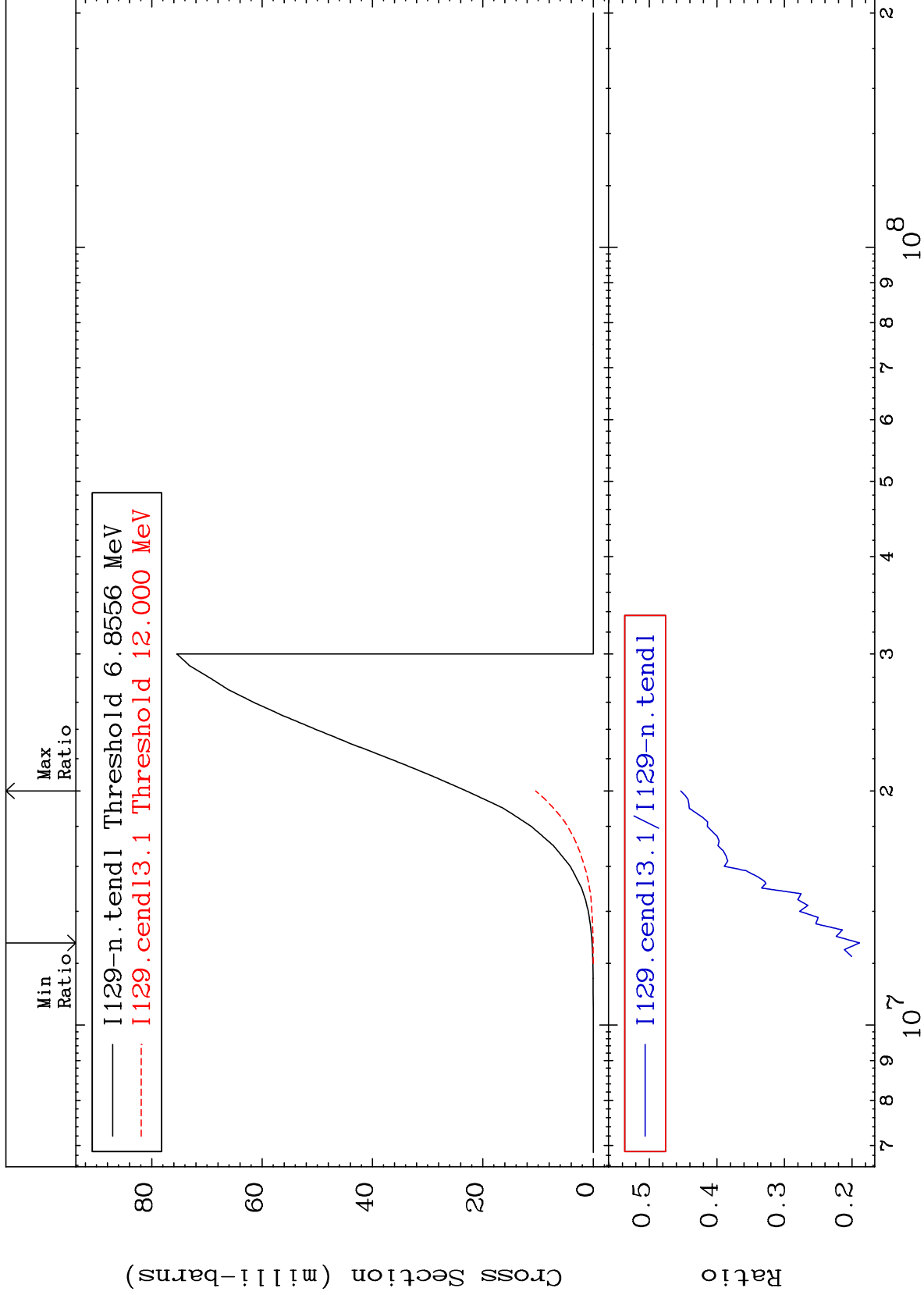
Incident Energy (eV)

53-I -129

MAT 5331

(n,n') p  
Cross Section

53-I -129  
-81.11 To -54.65%



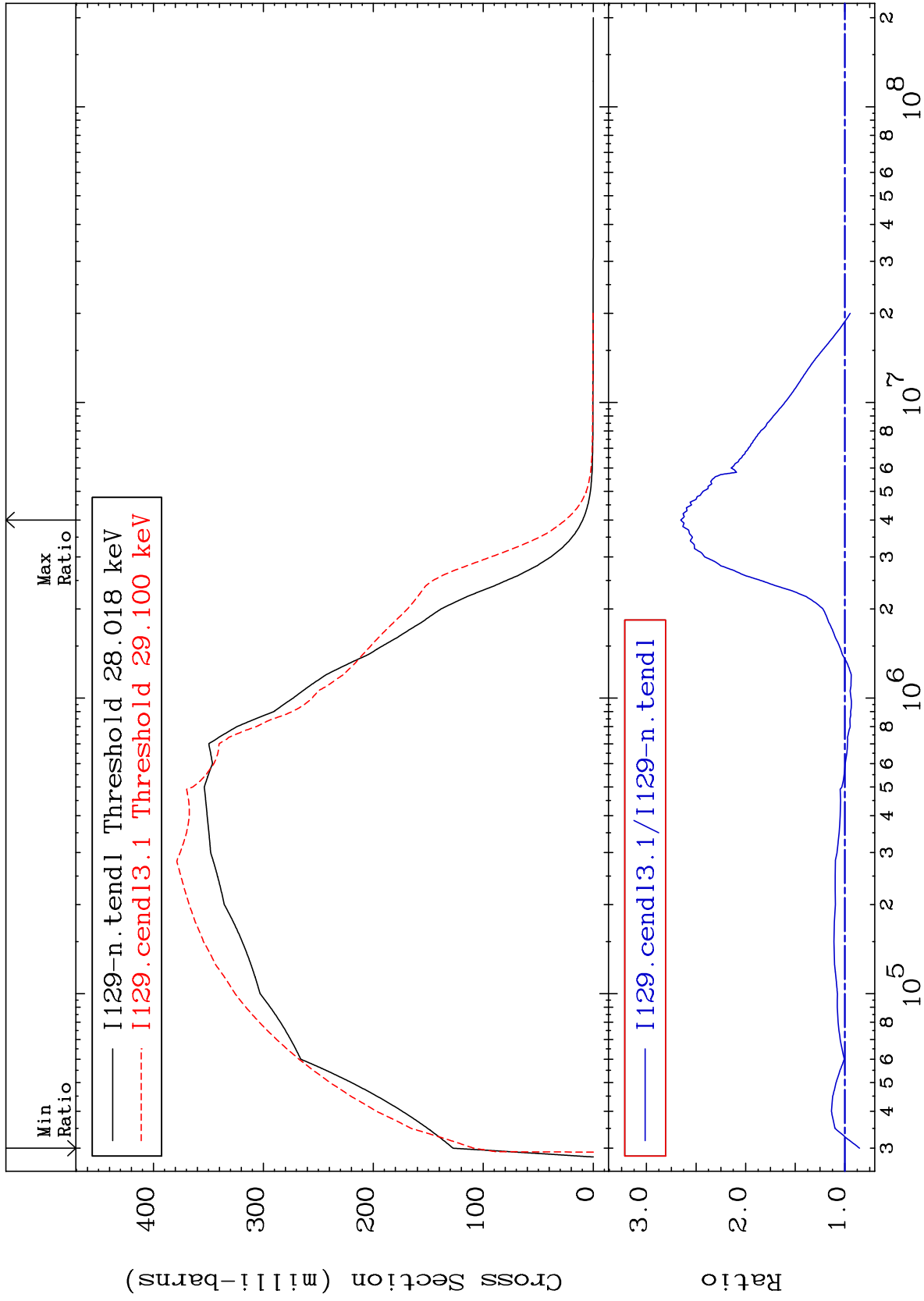
MAT 5331

27.80 keV (n,n') Level

53-I -129

-14.81 To 165.4 %

Cross Section

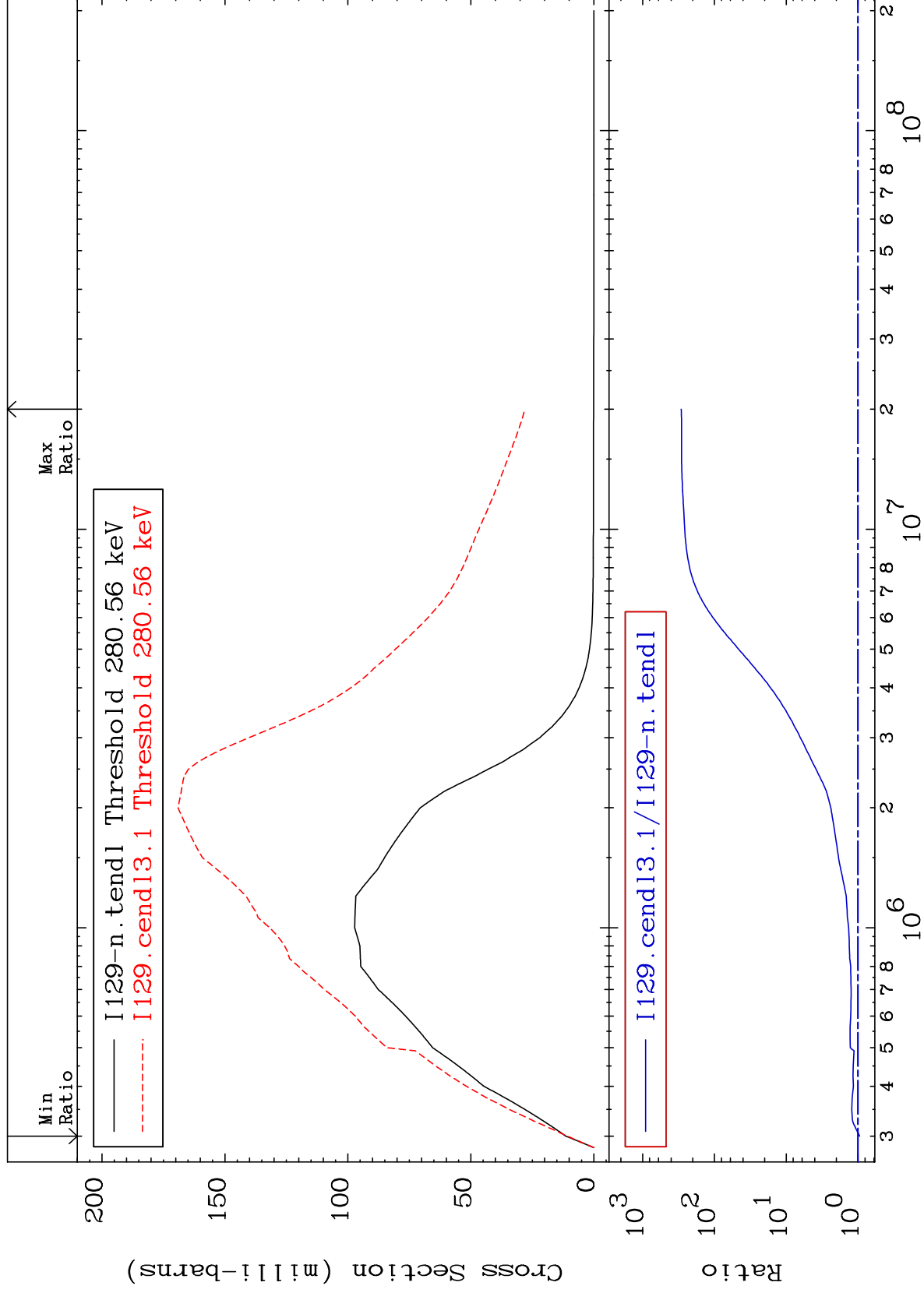




MAT 5331

278.4 keV (n,n') Level  
Cross Section

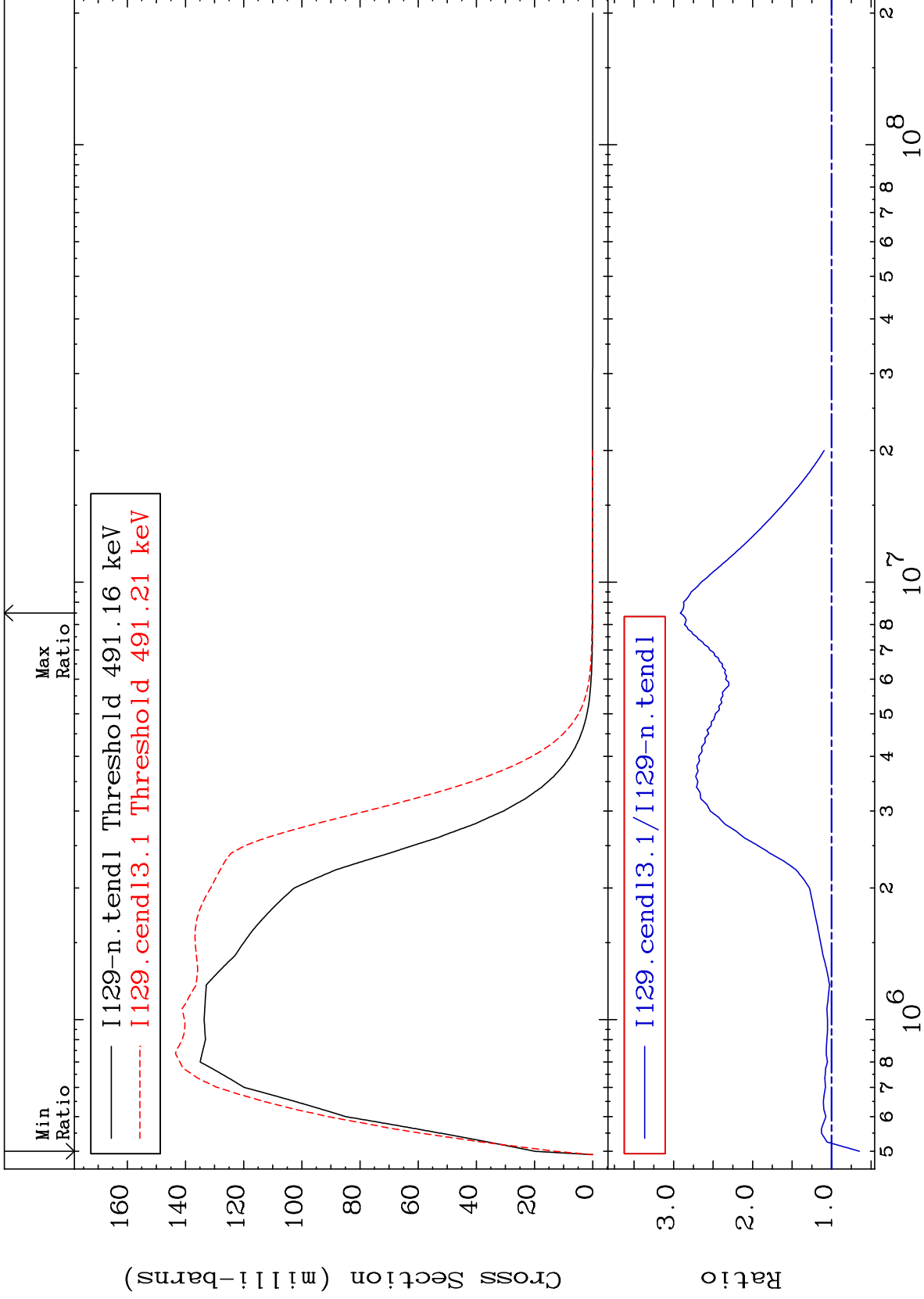
53-I -129  
-5.045 To 9999. %



MAT 5331

487.4 keV (n,n') Level  
Cross Section

53-I -129  
-35.27 To 191.5 %



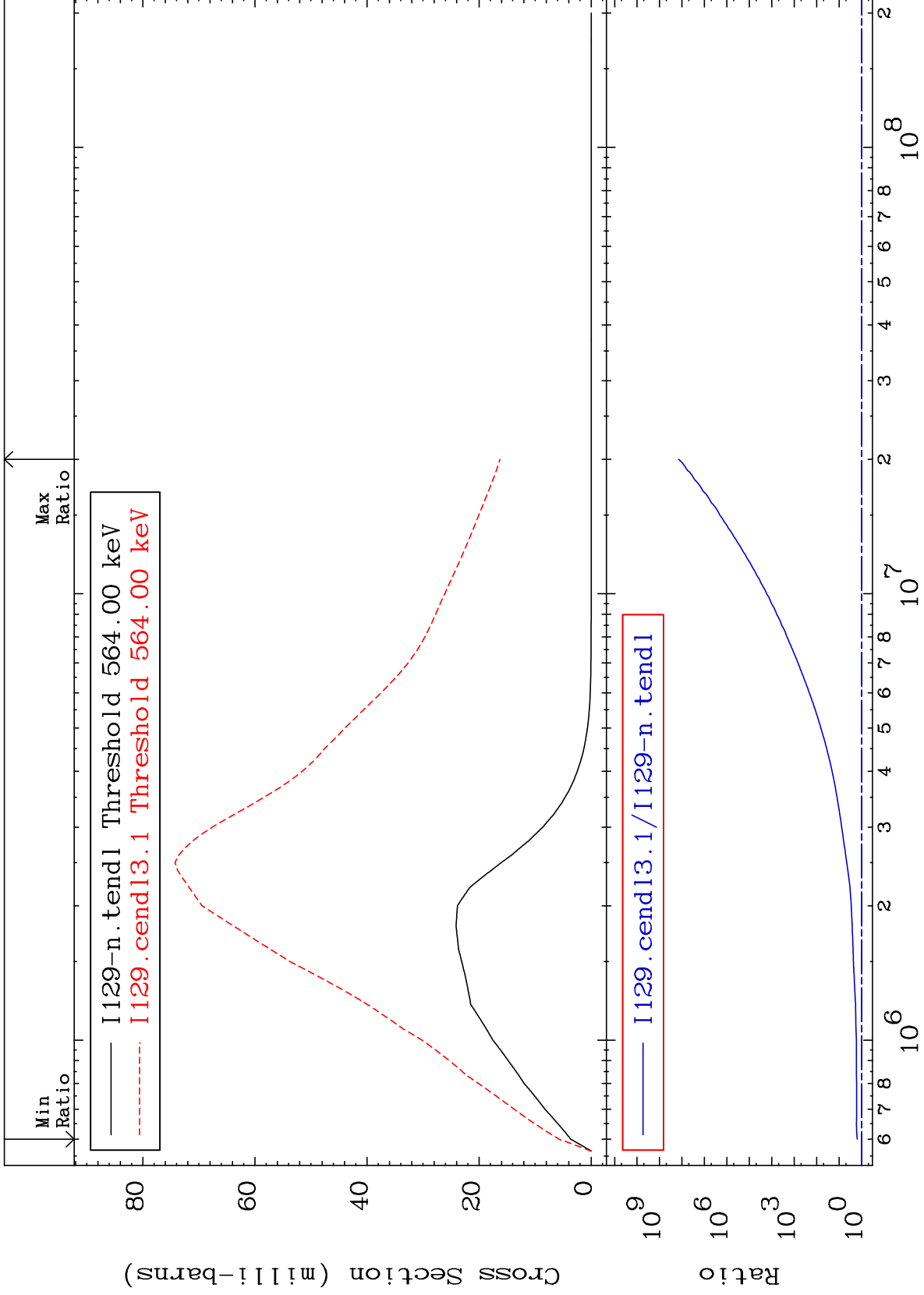
10

53-I -129

MAT 5331

559.6 keV (n,n') Level  
Cross Section

53-I -129  
57.19 To 9999. %



11

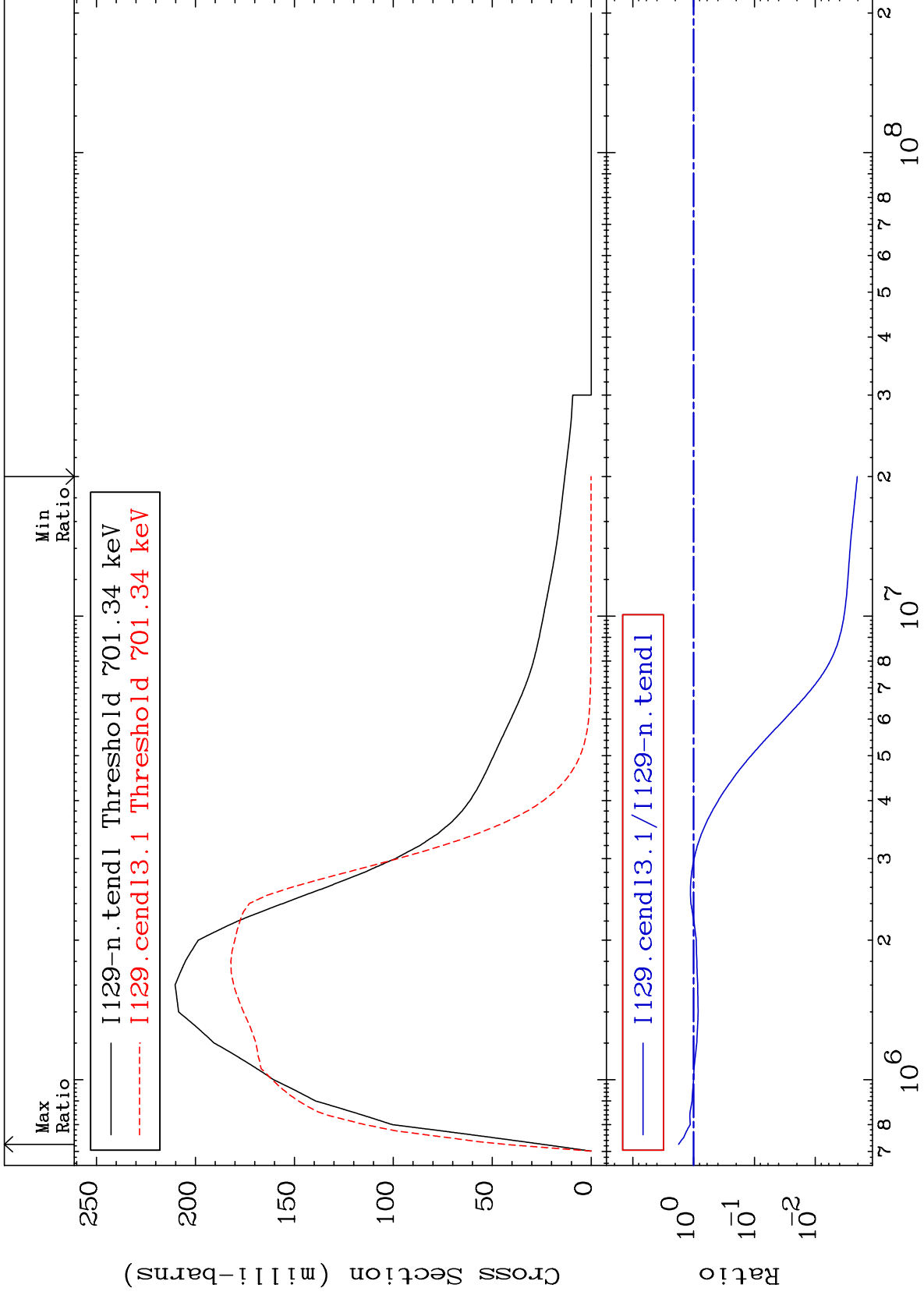
Incident Energy (eV)

53-I -129

MAT 5331

695.9 keV (n,n') Level  
Cross Section

53-I -129  
-99.80 To 76.65 %



12

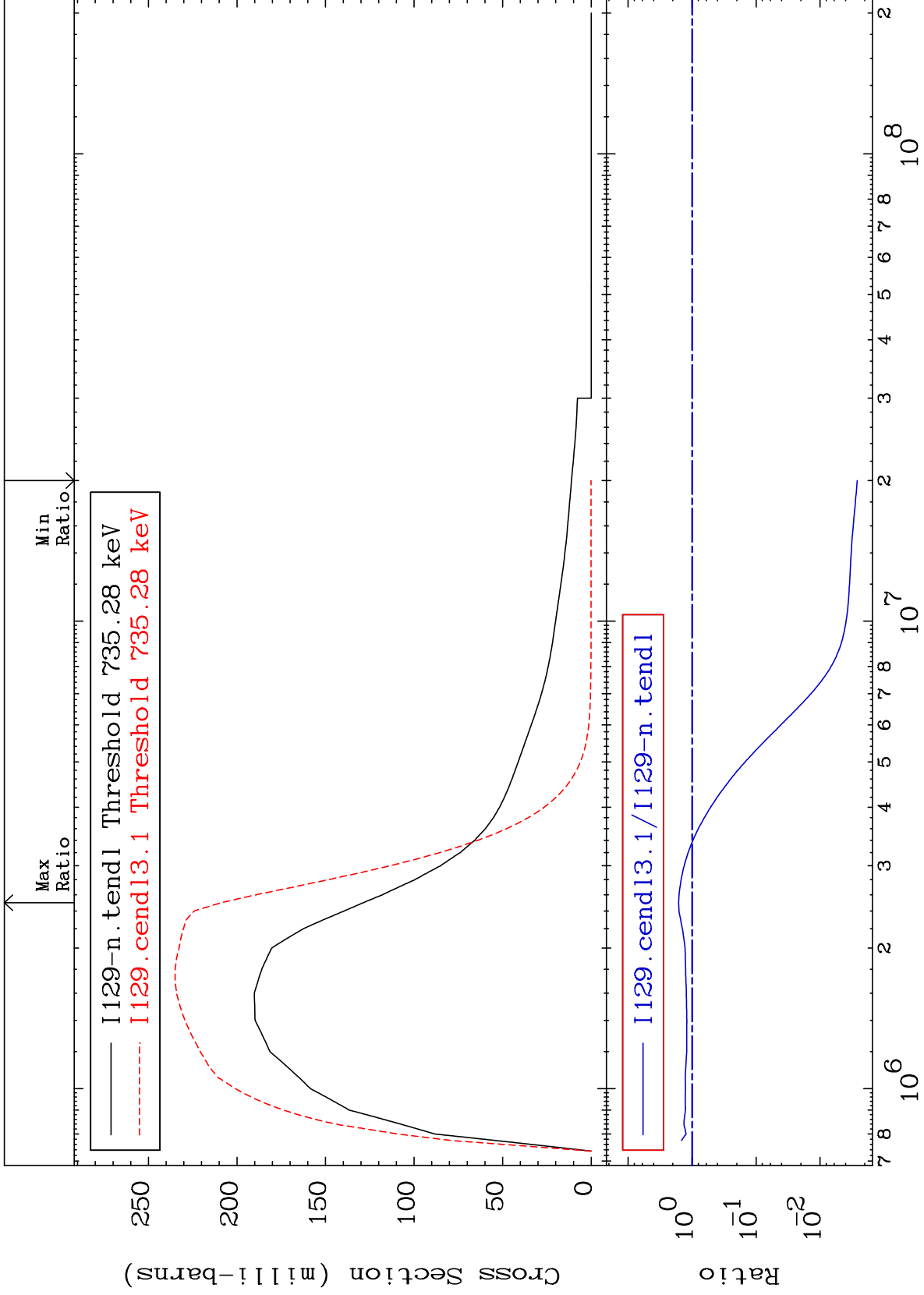
Incident Energy (eV)

53-I -129

MAT 5331

729.6 keV (n,n') Level  
Cross Section

53-I -129  
-99.74 To 62.38 %



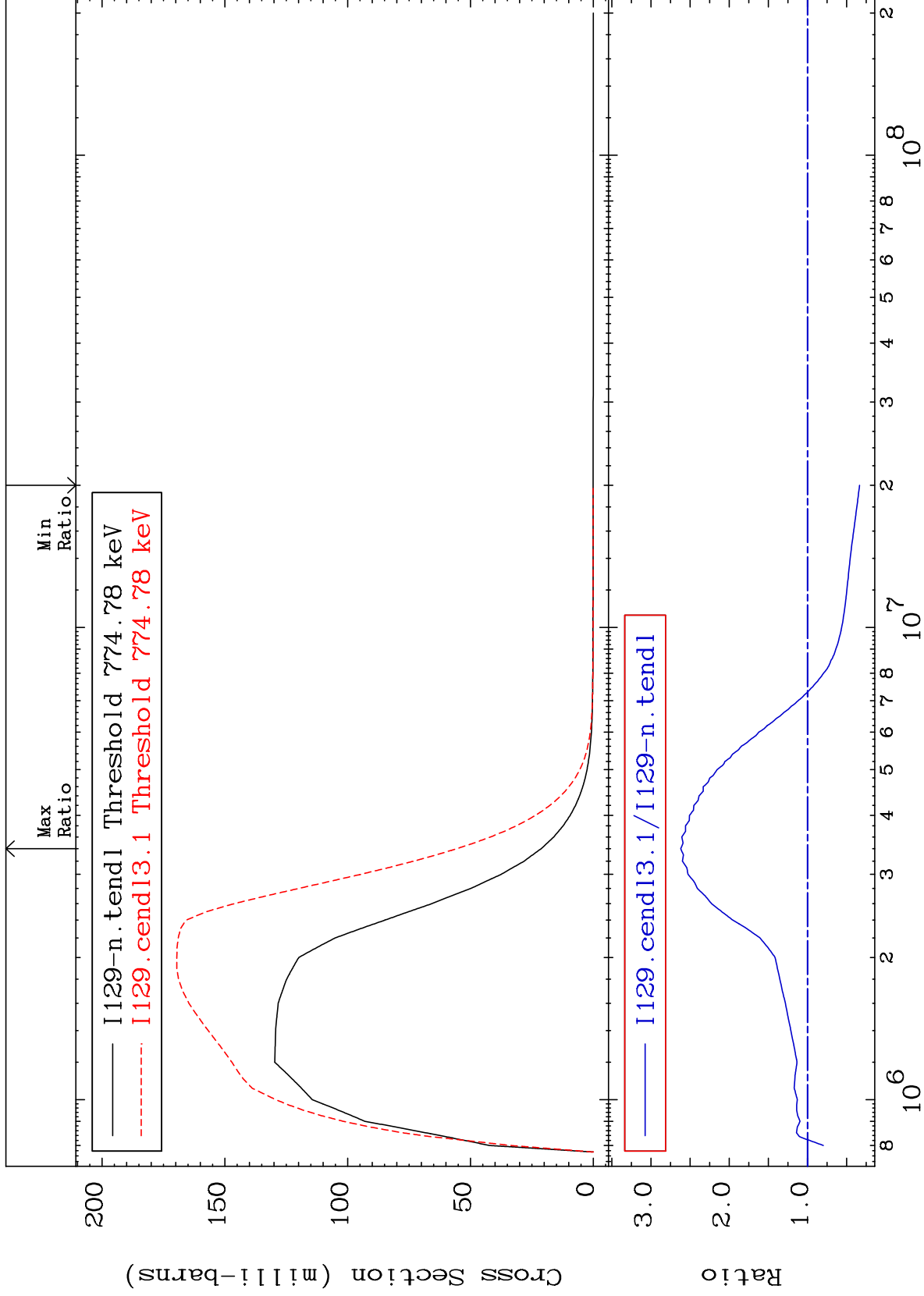
13

53-I -129

MAT 5331

768.8 keV (n,n') Level  
Cross Section

53-I -129  
-66.50 To 161.9 %



14

Incident Energy (eV)

53-I -129

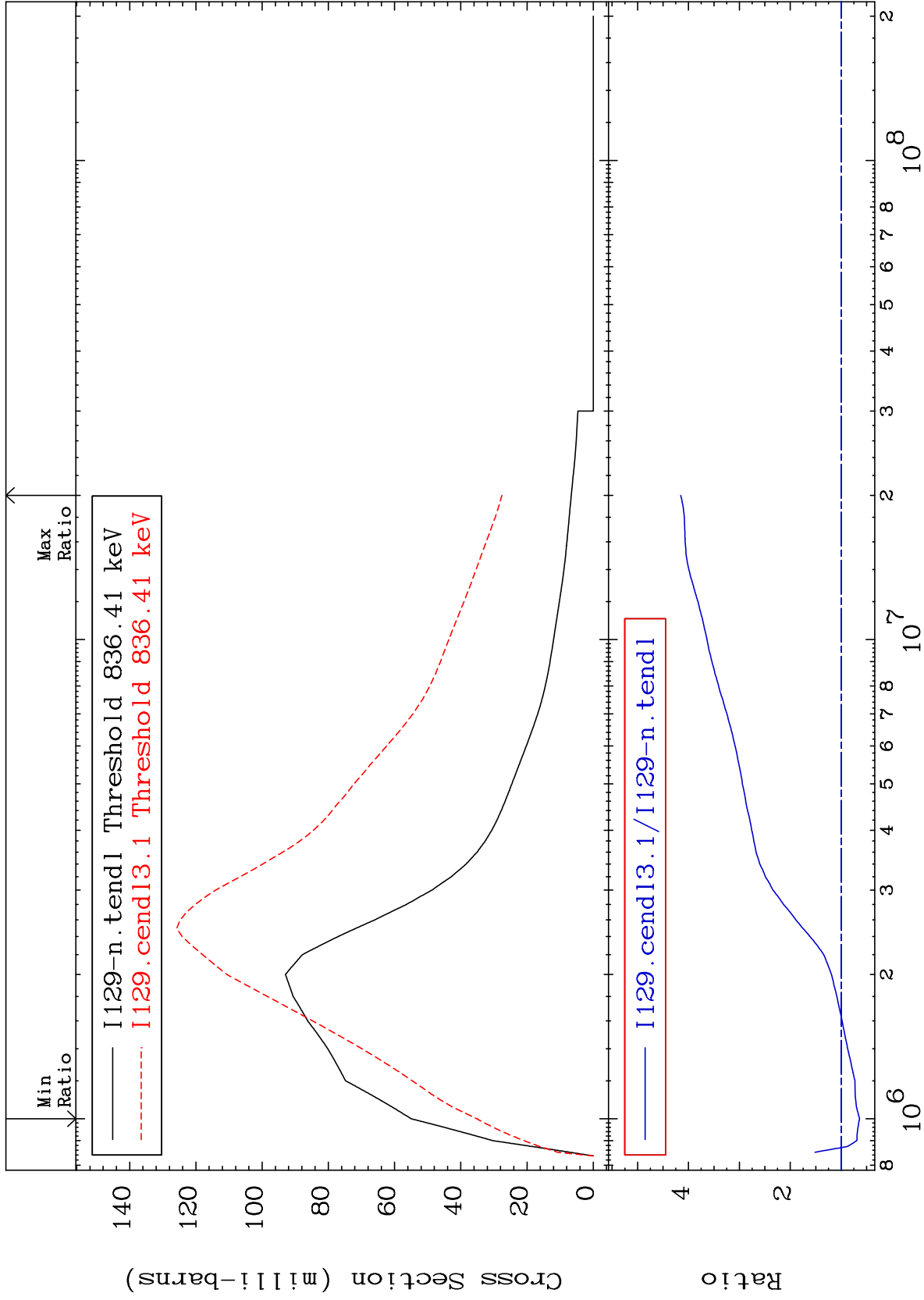
MAT 5331

829.9 keV (n,n') Level

53-I -129

-36.01 To 315.1 %

Cross Section



15

Incident Energy (eV)

53-I -129

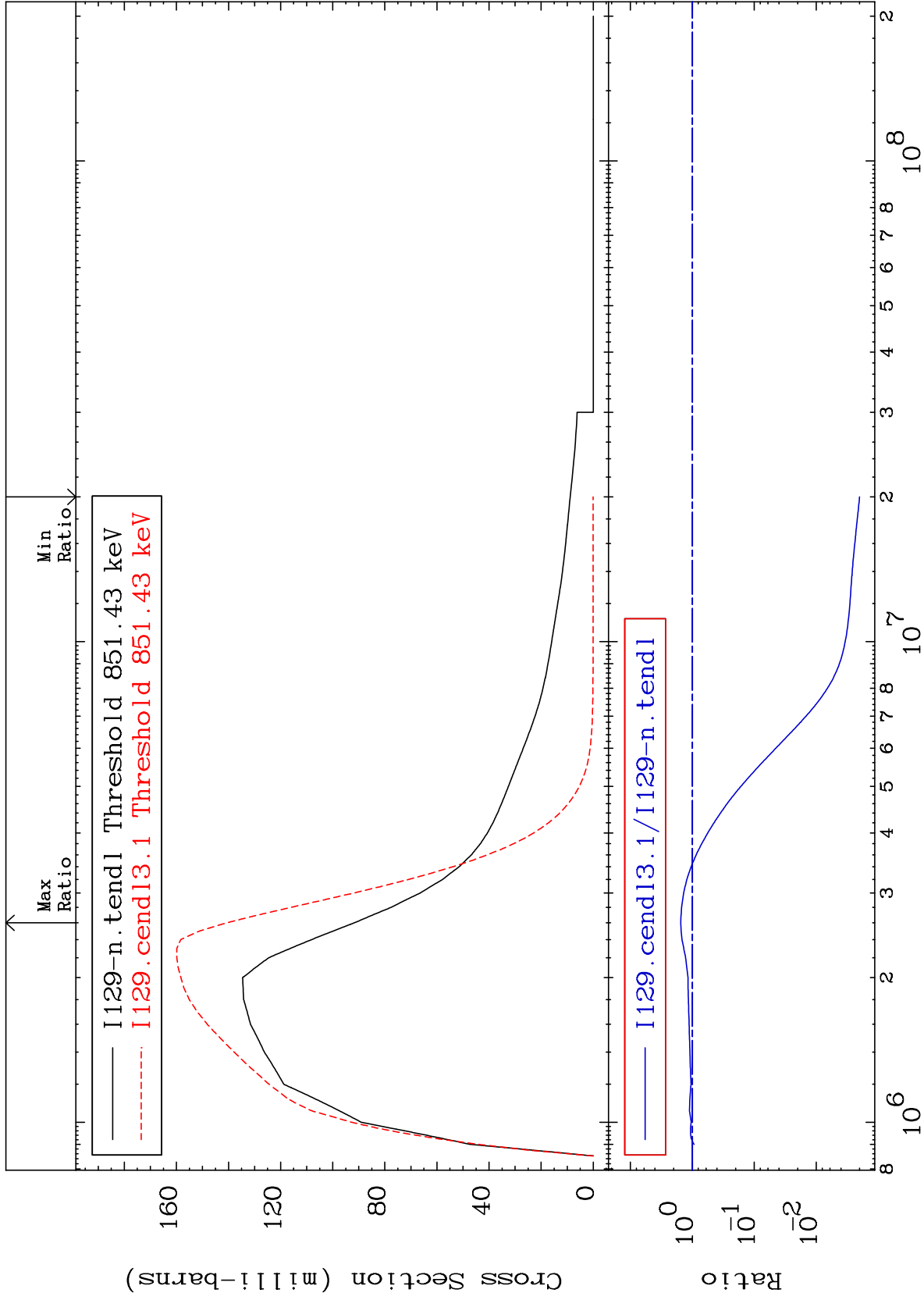
MAT 5331

844.8 keV (n,n') Level

53-I -129

-99.80 To 53.51 %

Cross Section



16

Incident Energy (eV)

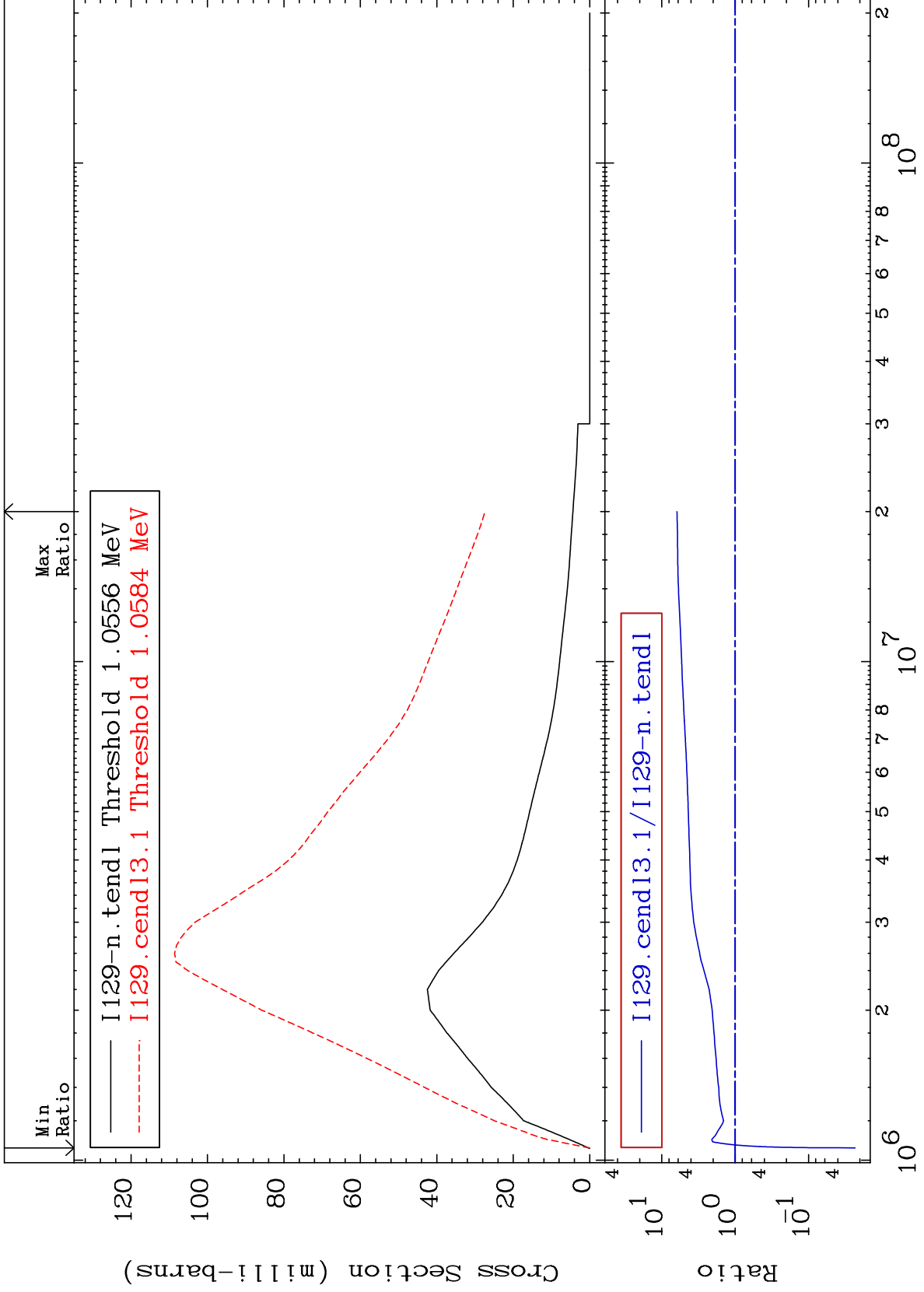
53-I -129



MAT 5331

1.047 MeV (n,n') Level  
Cross Section

53-I -129  
-97.67 To 522.6 %



17

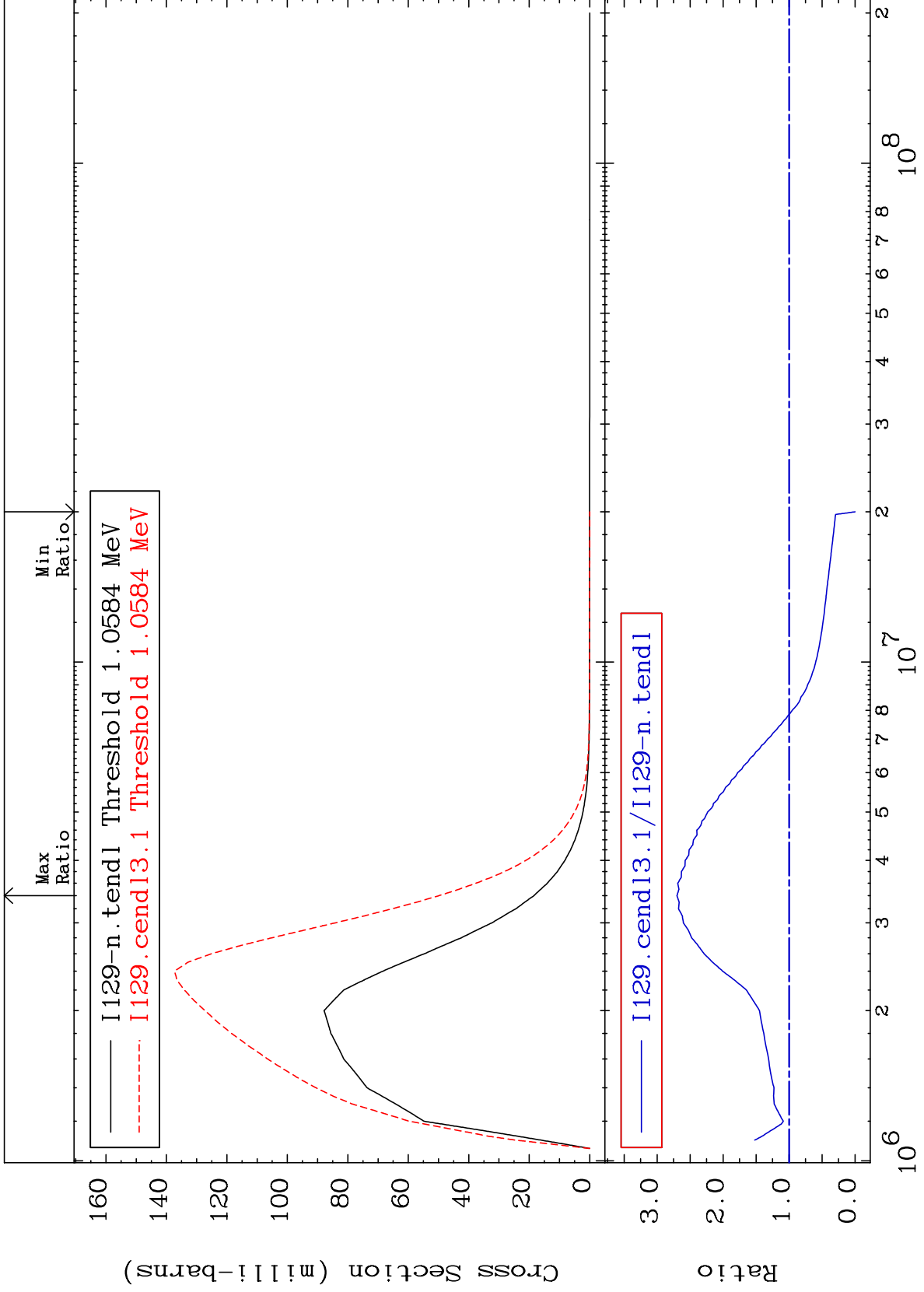
Incident Energy (eV)

53-I -129

MAT 5331

1.050 MeV (n,n') Level  
Cross Section

53-I -129  
-100.0 To 170.0 %



18

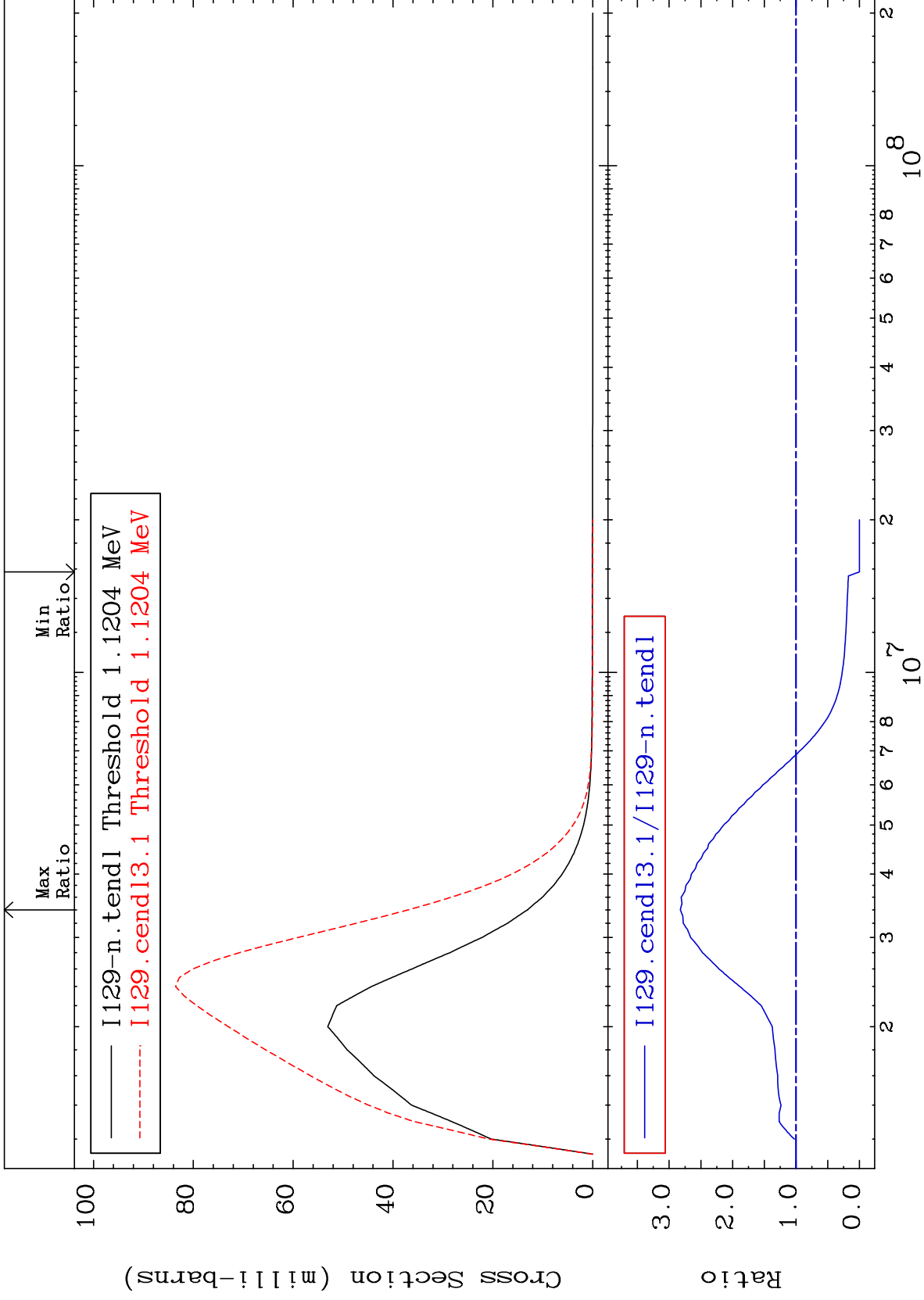
Incident Energy (eV)

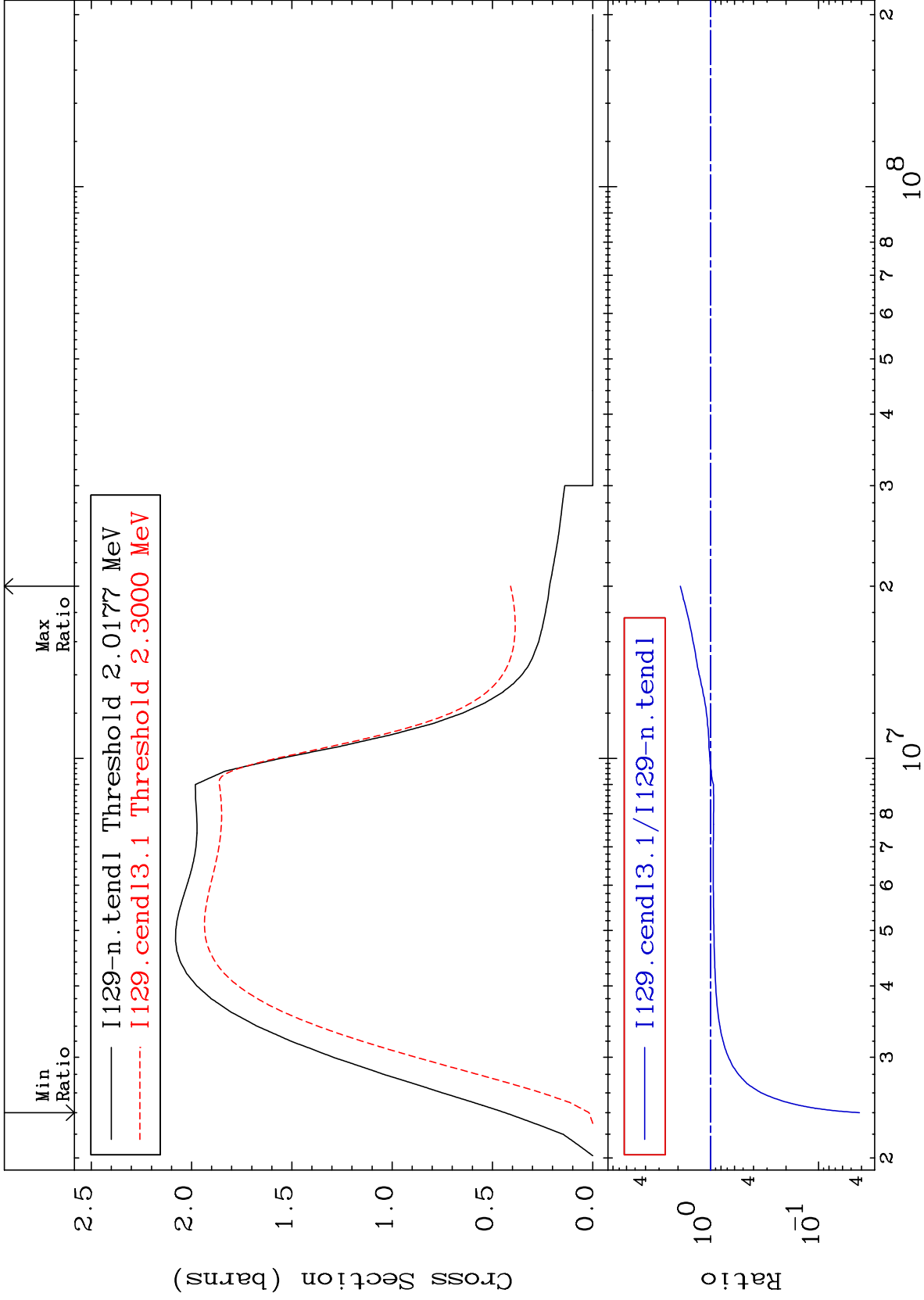
53-I -129

MAT 5331

1.112 MeV (n,n') Level  
Cross Section

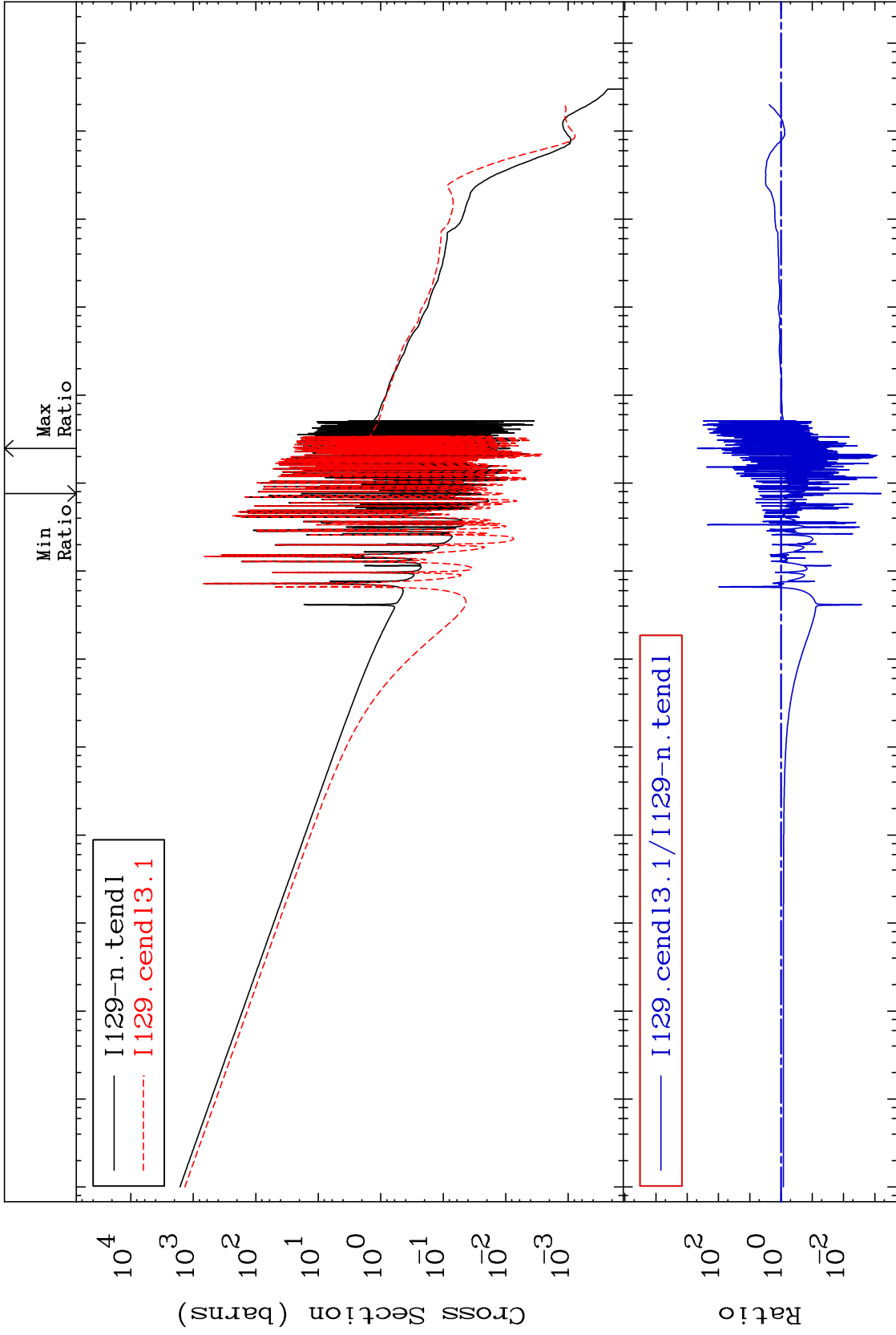
53-I -129  
-100.0 To 182.3 %

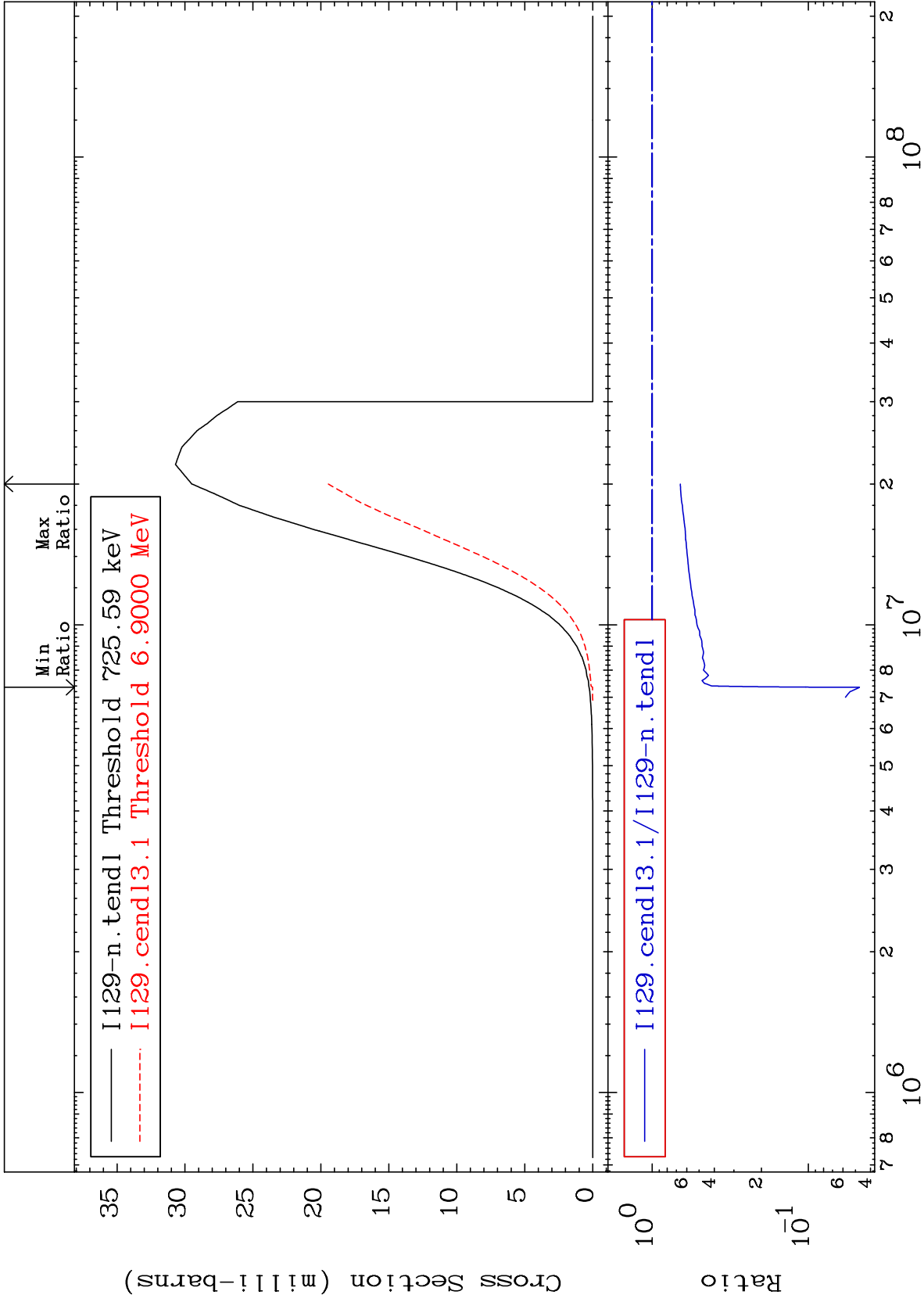




MAT 5331

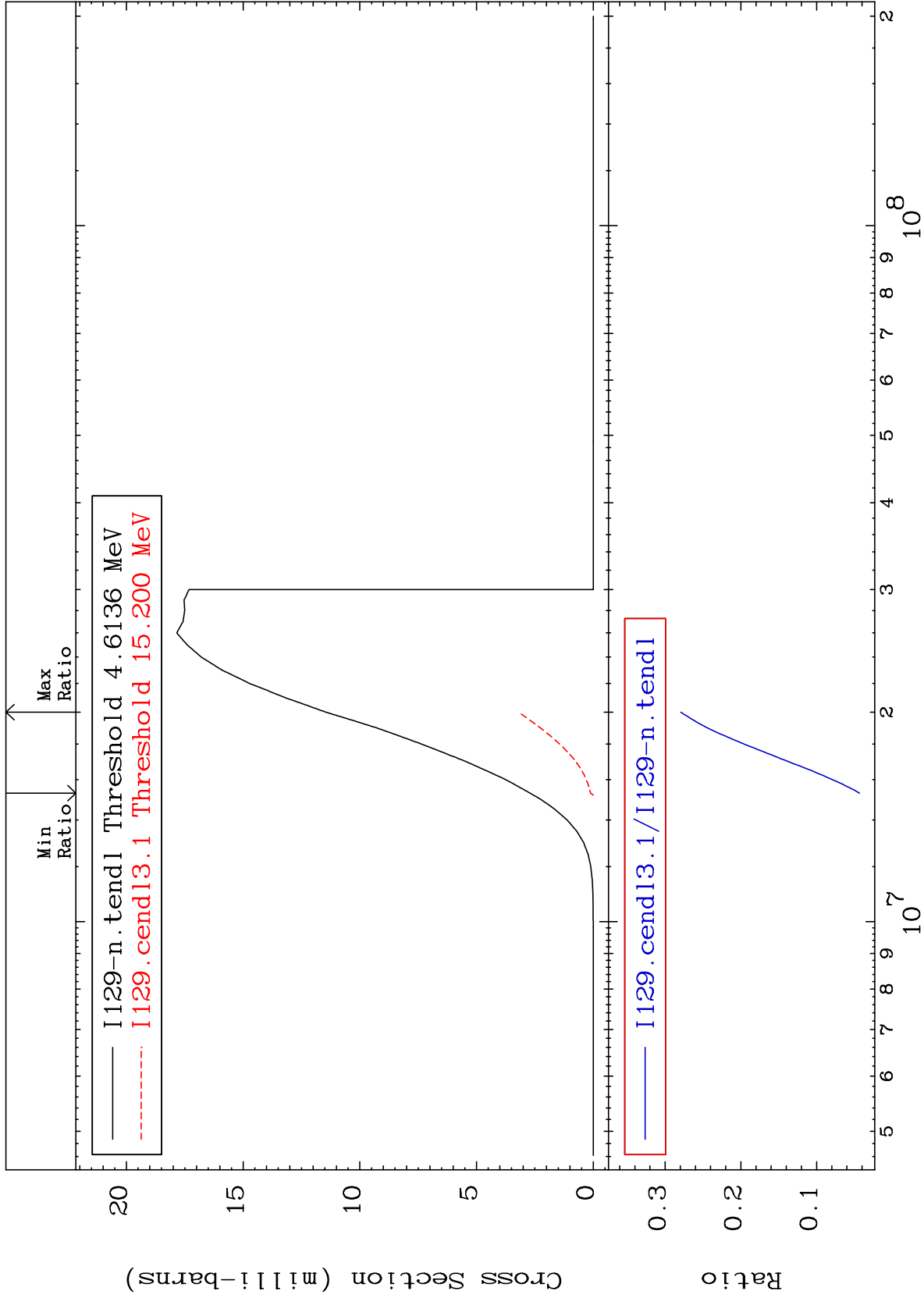
(n,  $\gamma$ )  
Cross Section  
53-I -129  
-99.94 To 9999. %





Cross Section

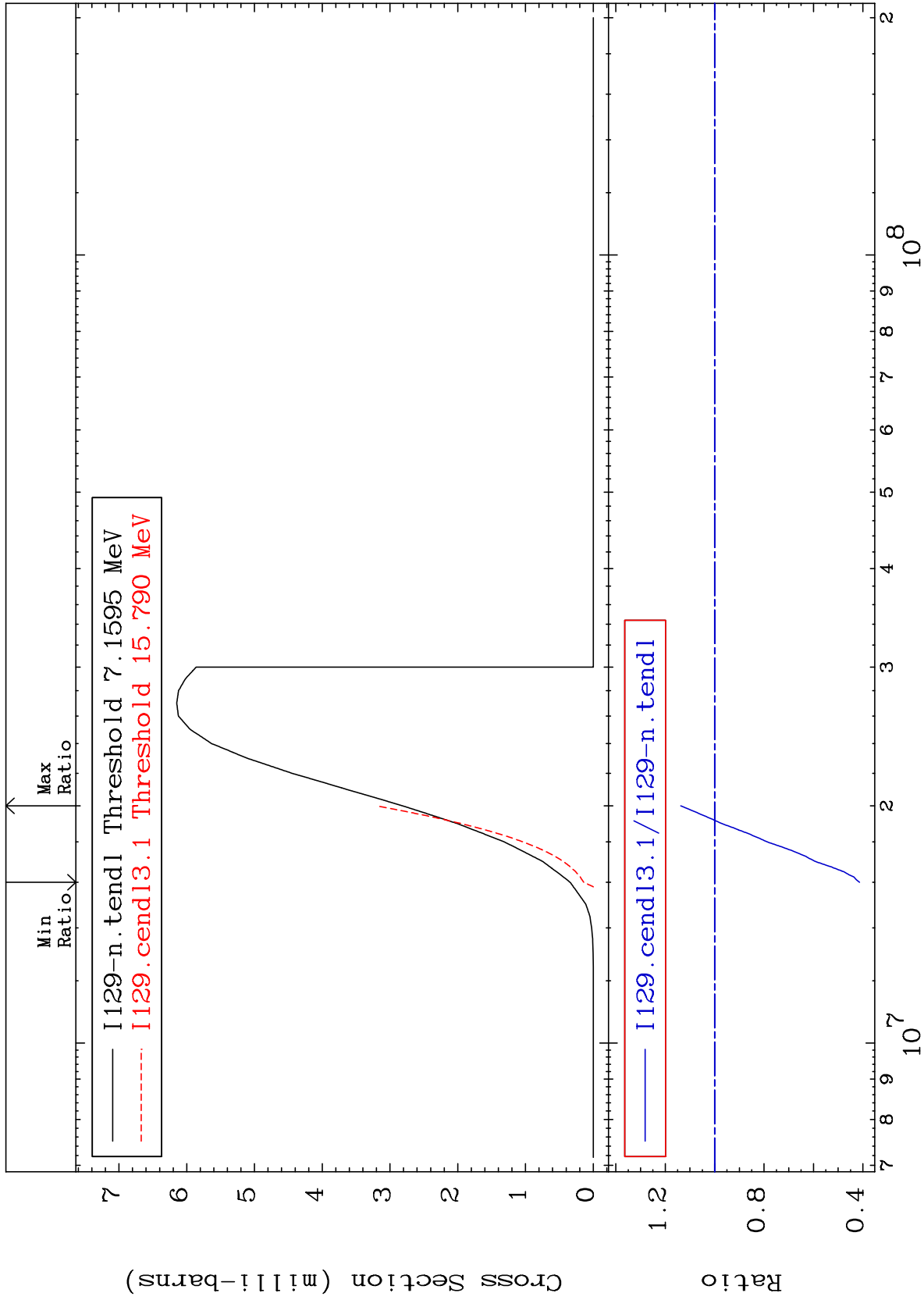
-95.67 To -72.06%



MAT 5331

(n, t)  
Cross Section

53-I -129  
-58.64 To 13.72 %

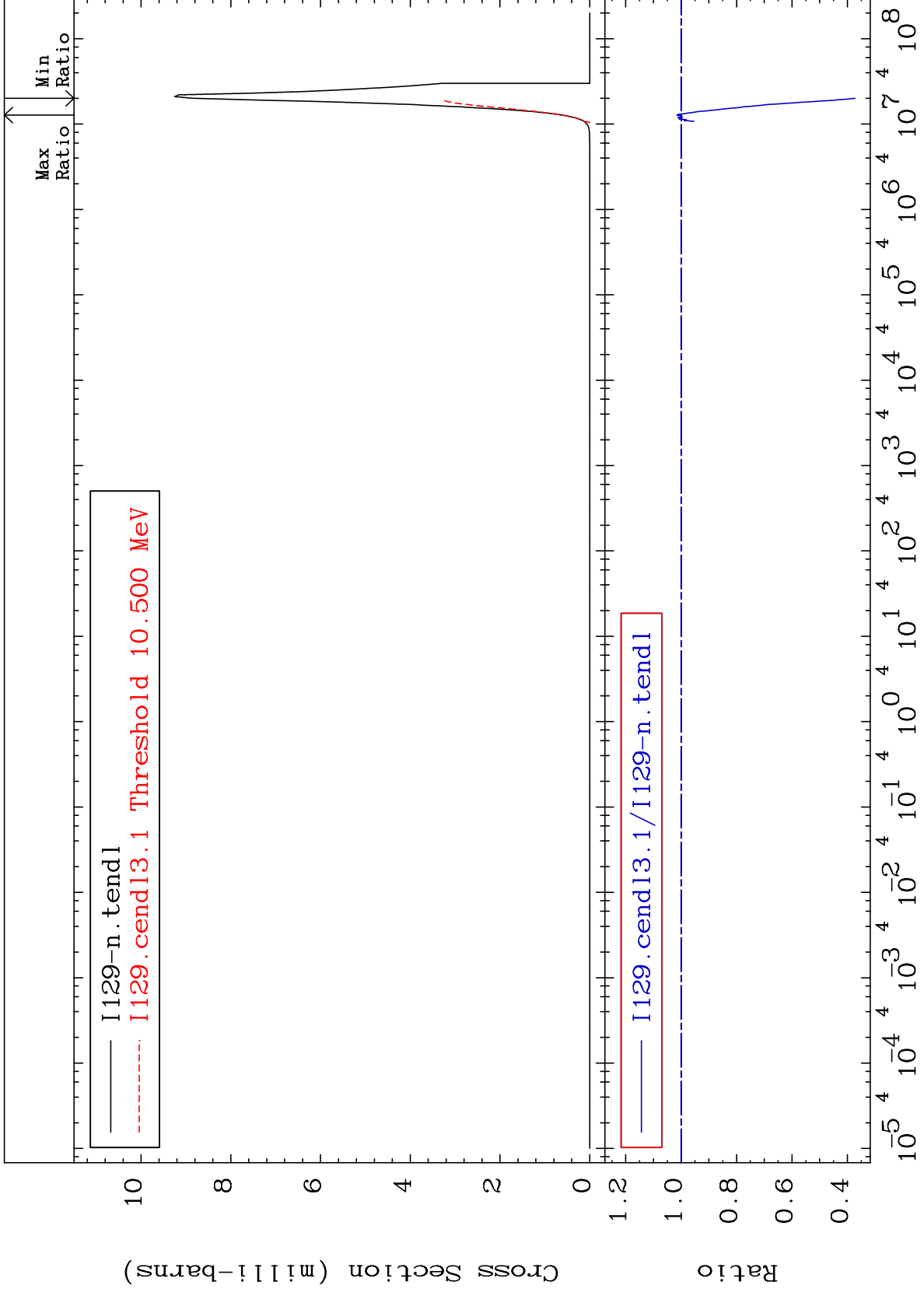




MAT 5331

(n,  $\alpha$ )  
Cross Section

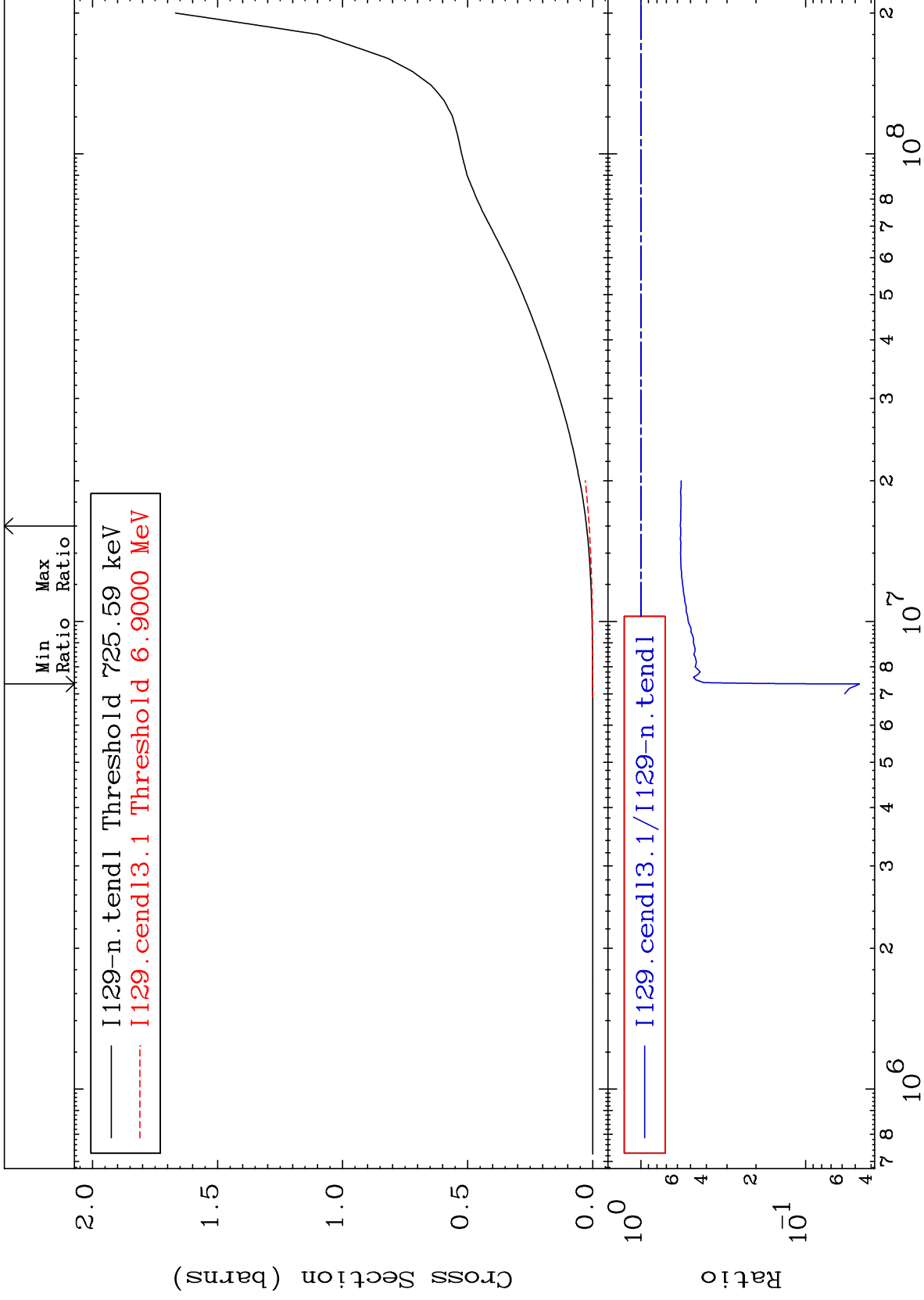
53-I -129  
-62.77 To 1.522 %



25

Incident Energy (eV)

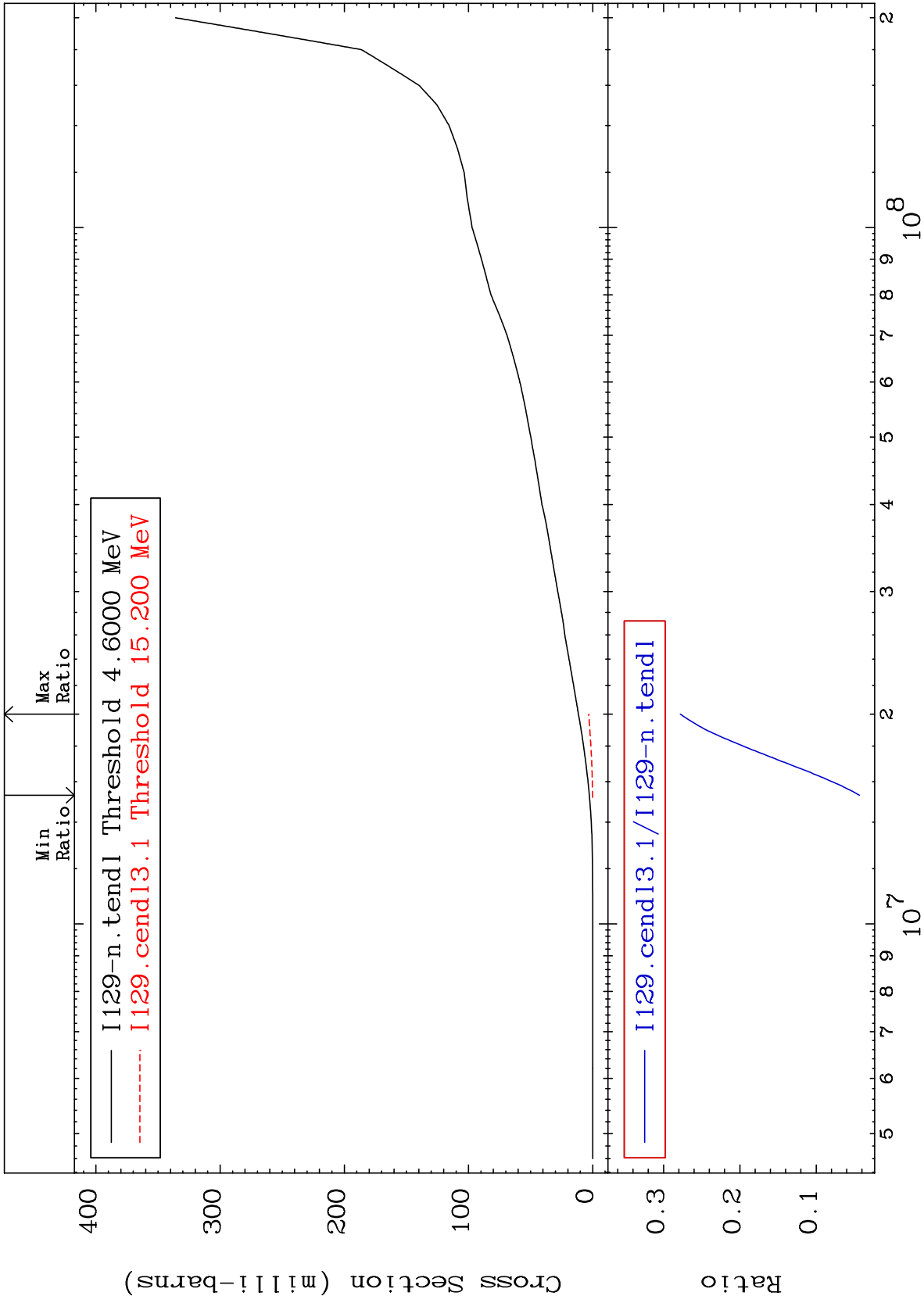
53-I -129



MAT 5331

Deuterium Production  
Cross Section

53-I -129  
-95.67 To -72.20%



27

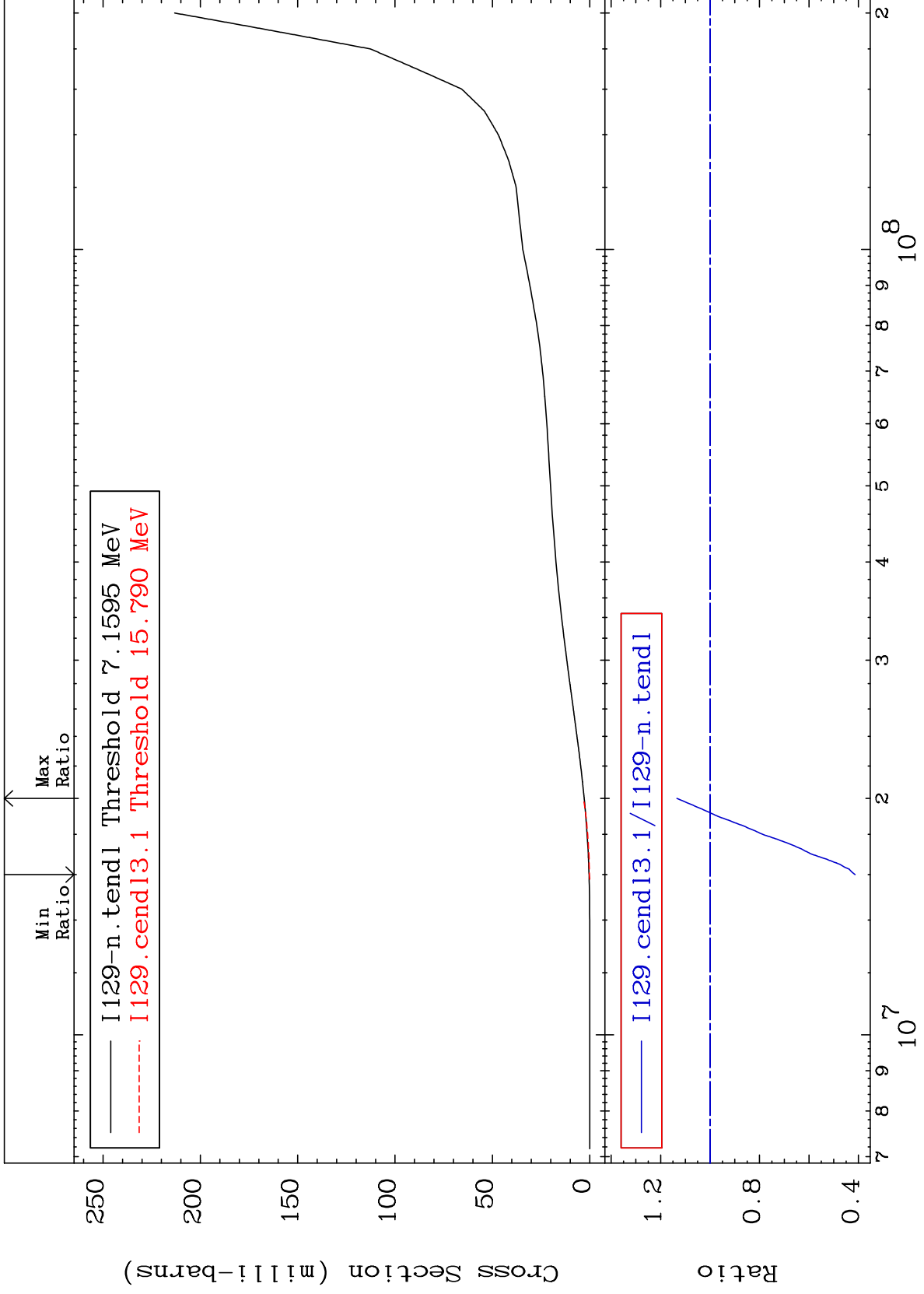
Incident Energy (eV)

53-I -129

MAT 5331

Tritium Production  
Cross Section

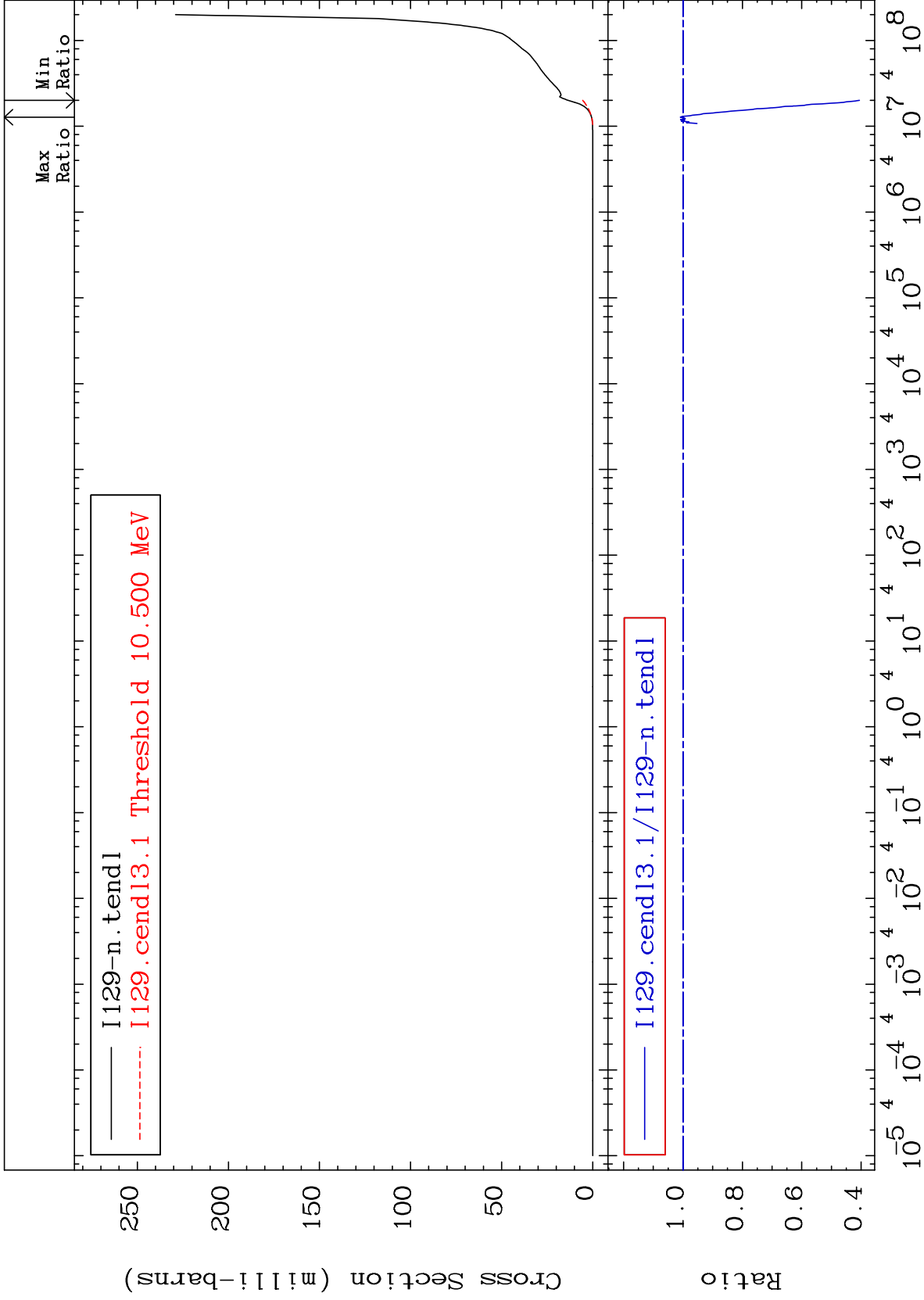
53-I -129  
-58.64 To 13.40 %



28

Incident Energy (eV)

53-I -129



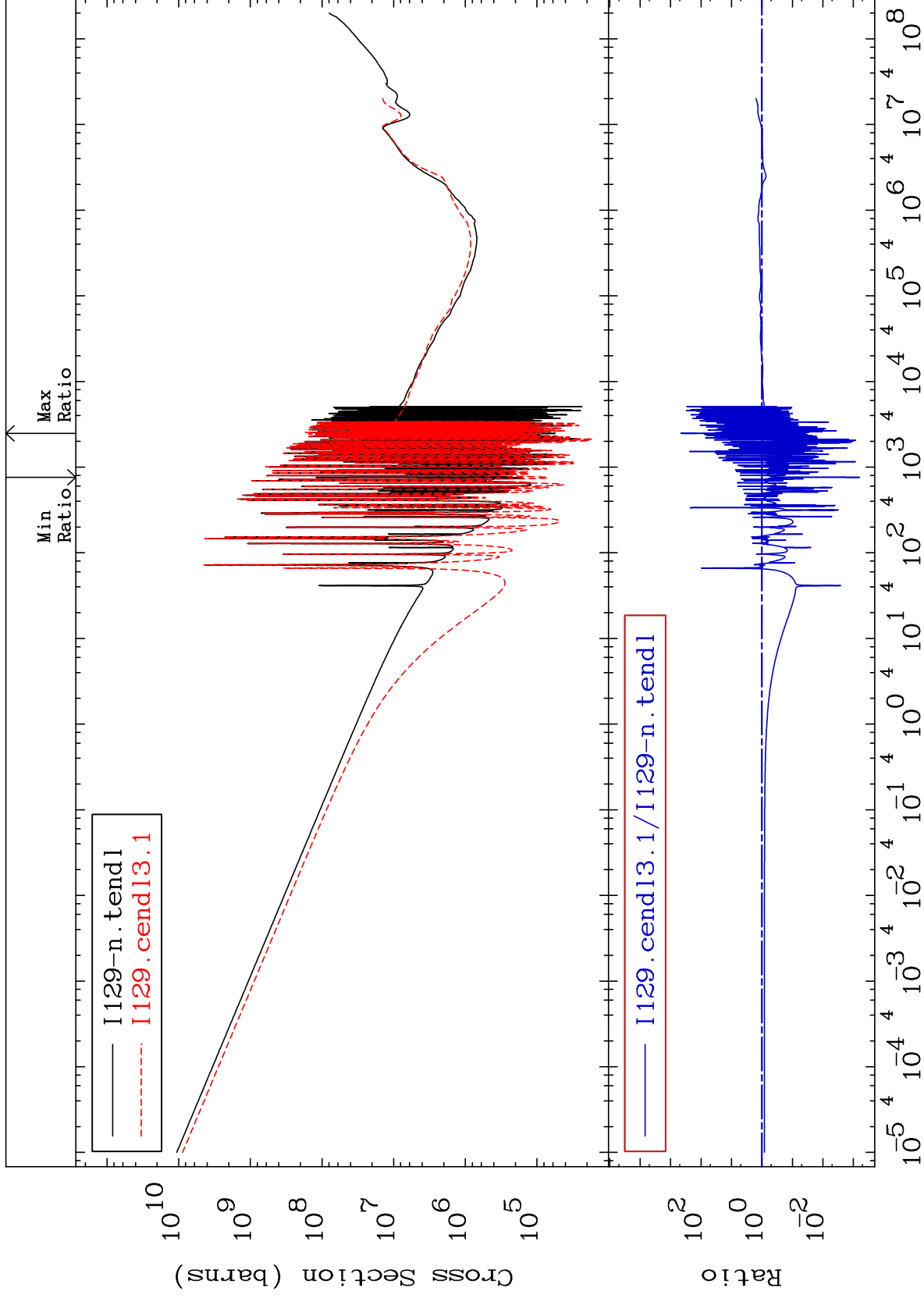
MAT 5331

Kerma total (eV-barns)

53-I -129

-99.94 To 9999. %

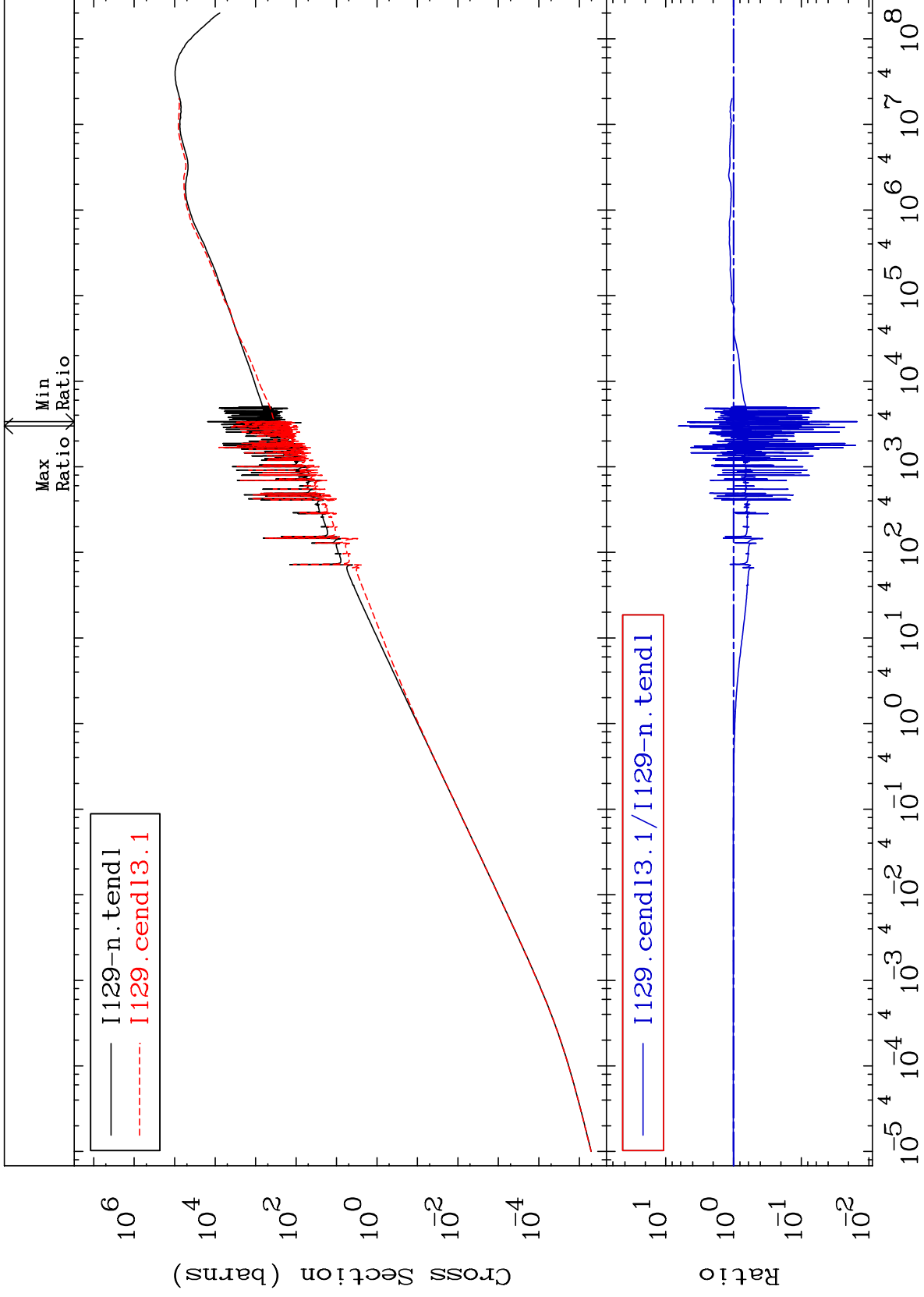
Cross Section

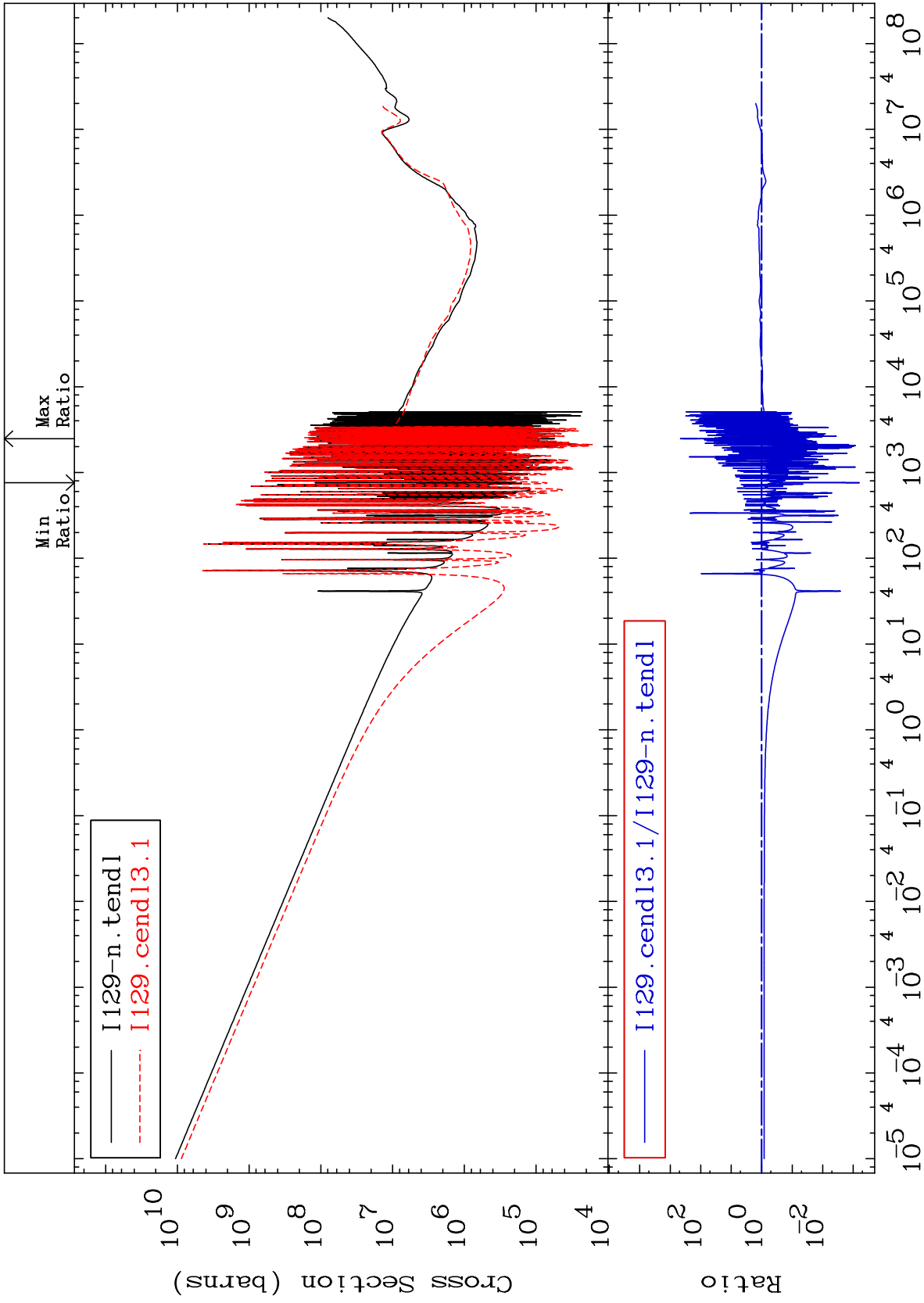


30

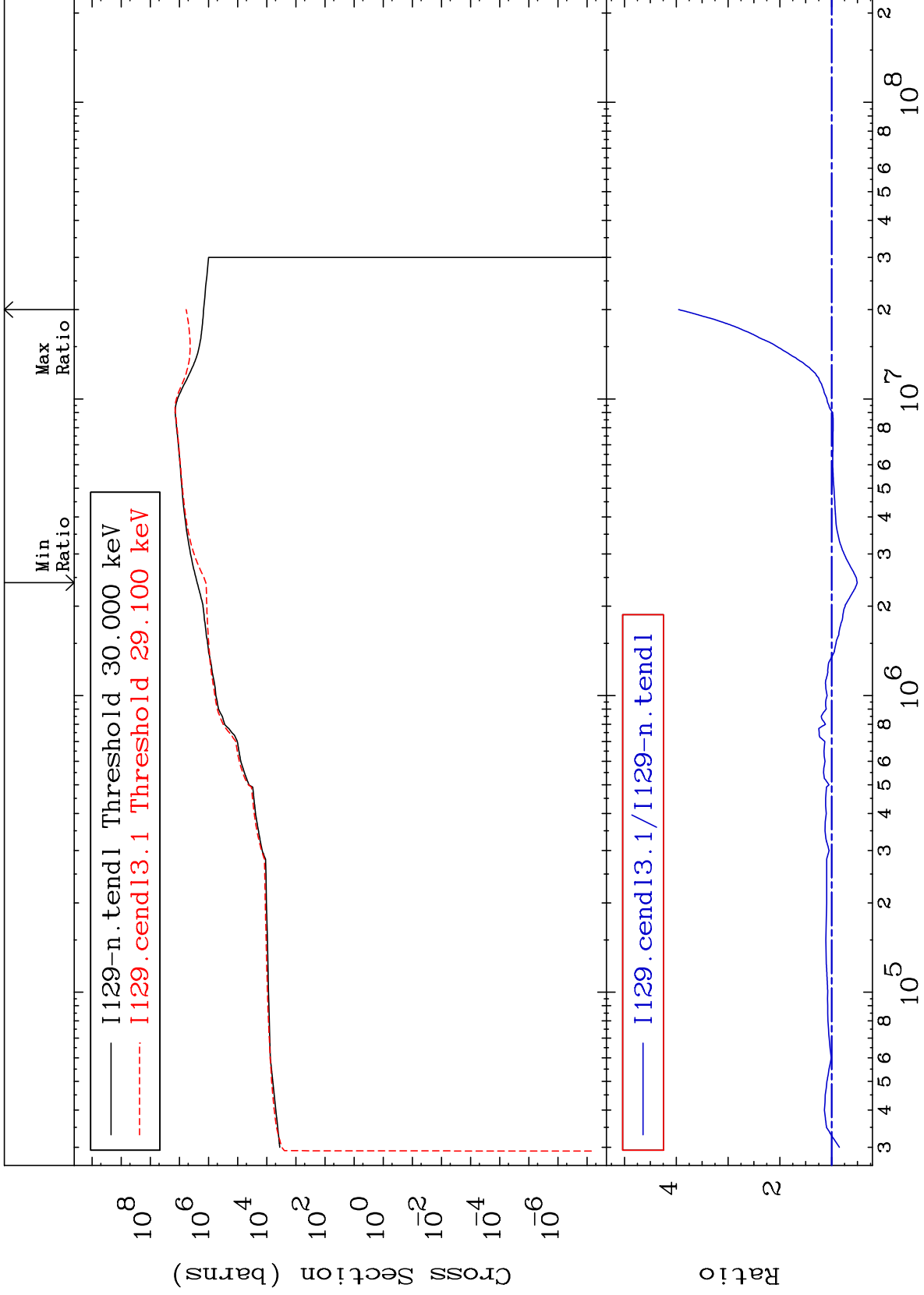
Incident Energy (eV)

53-I -129





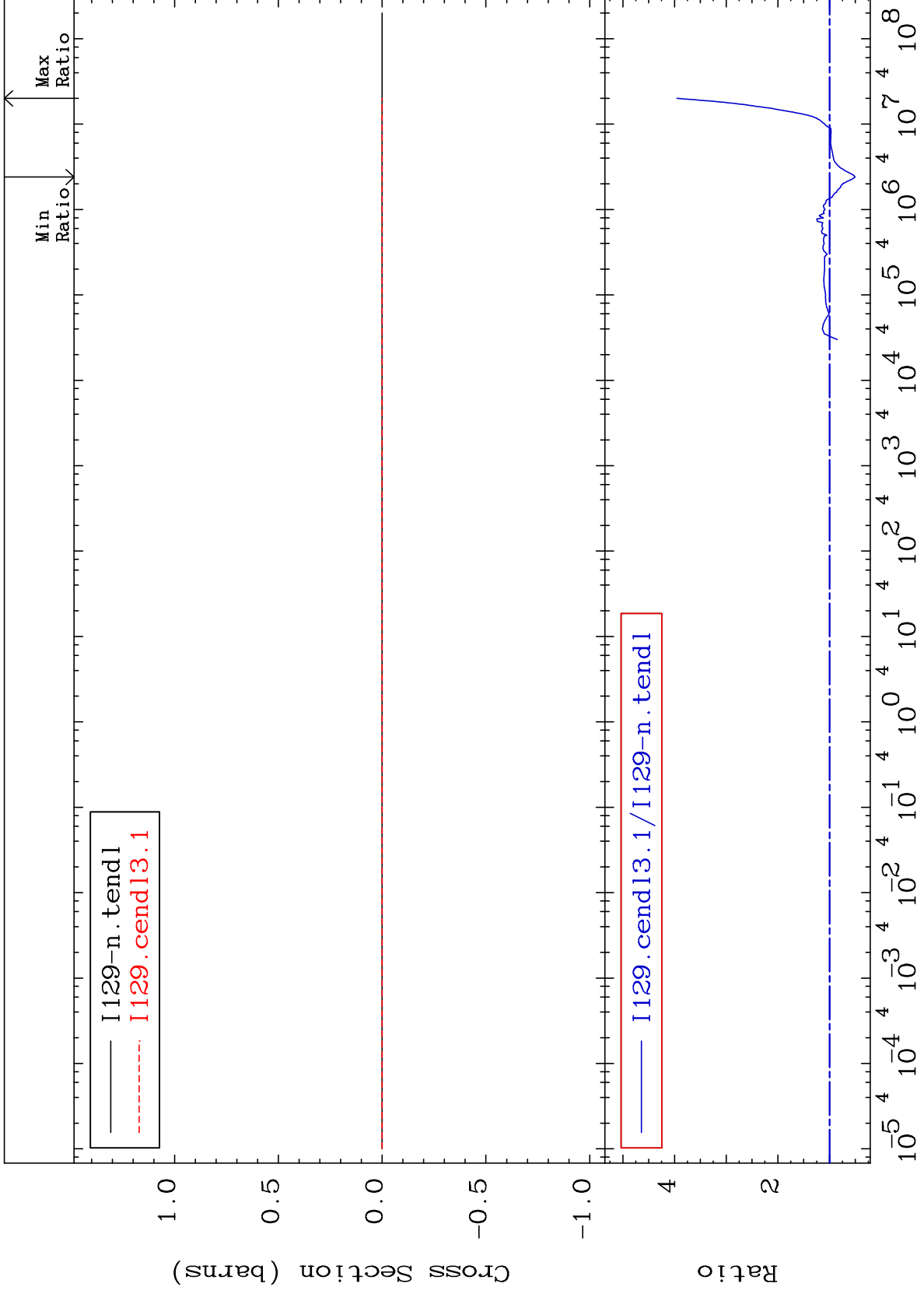




MAT 5331

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

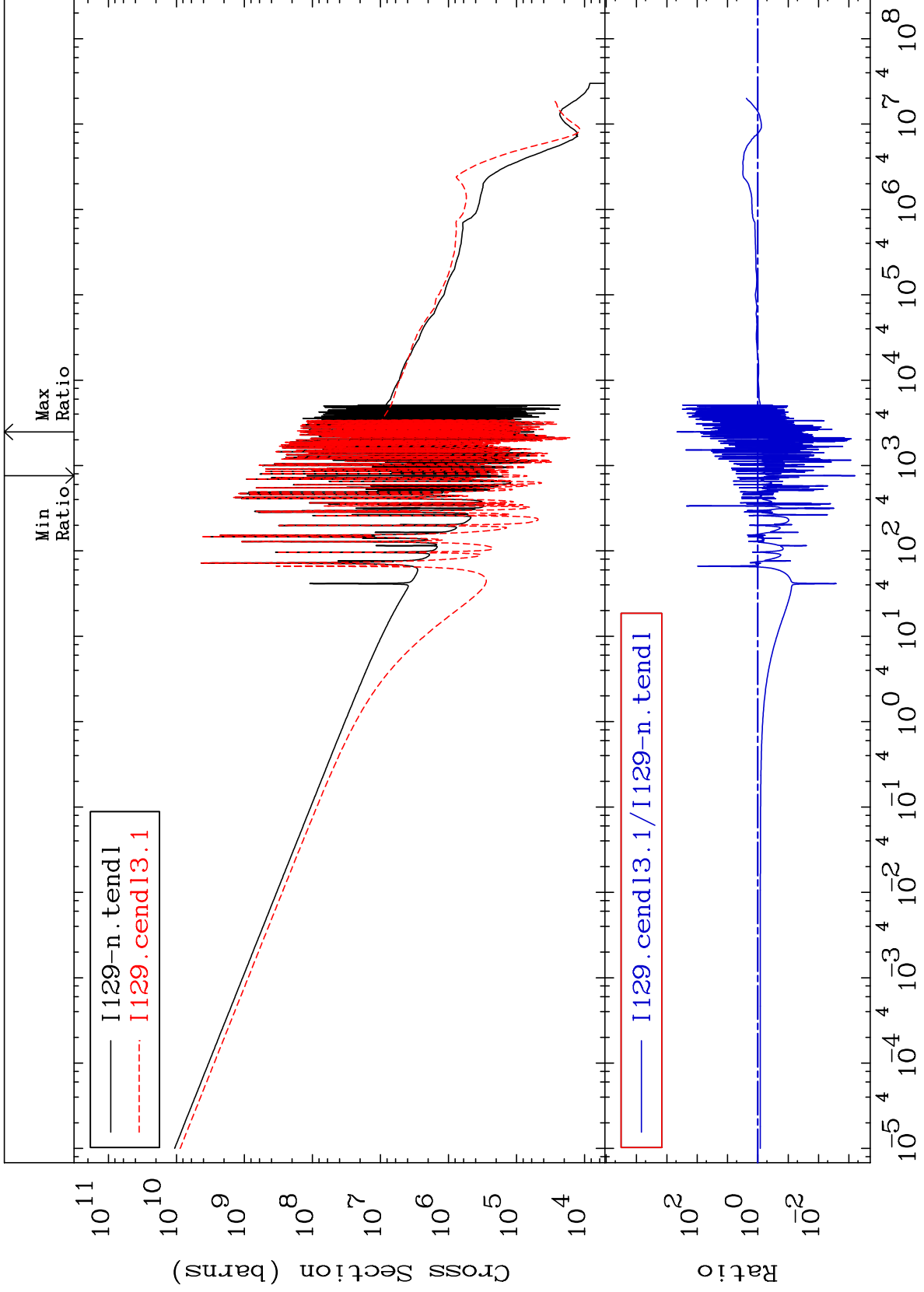
53-I -129  
-49.47 To 295.4 %

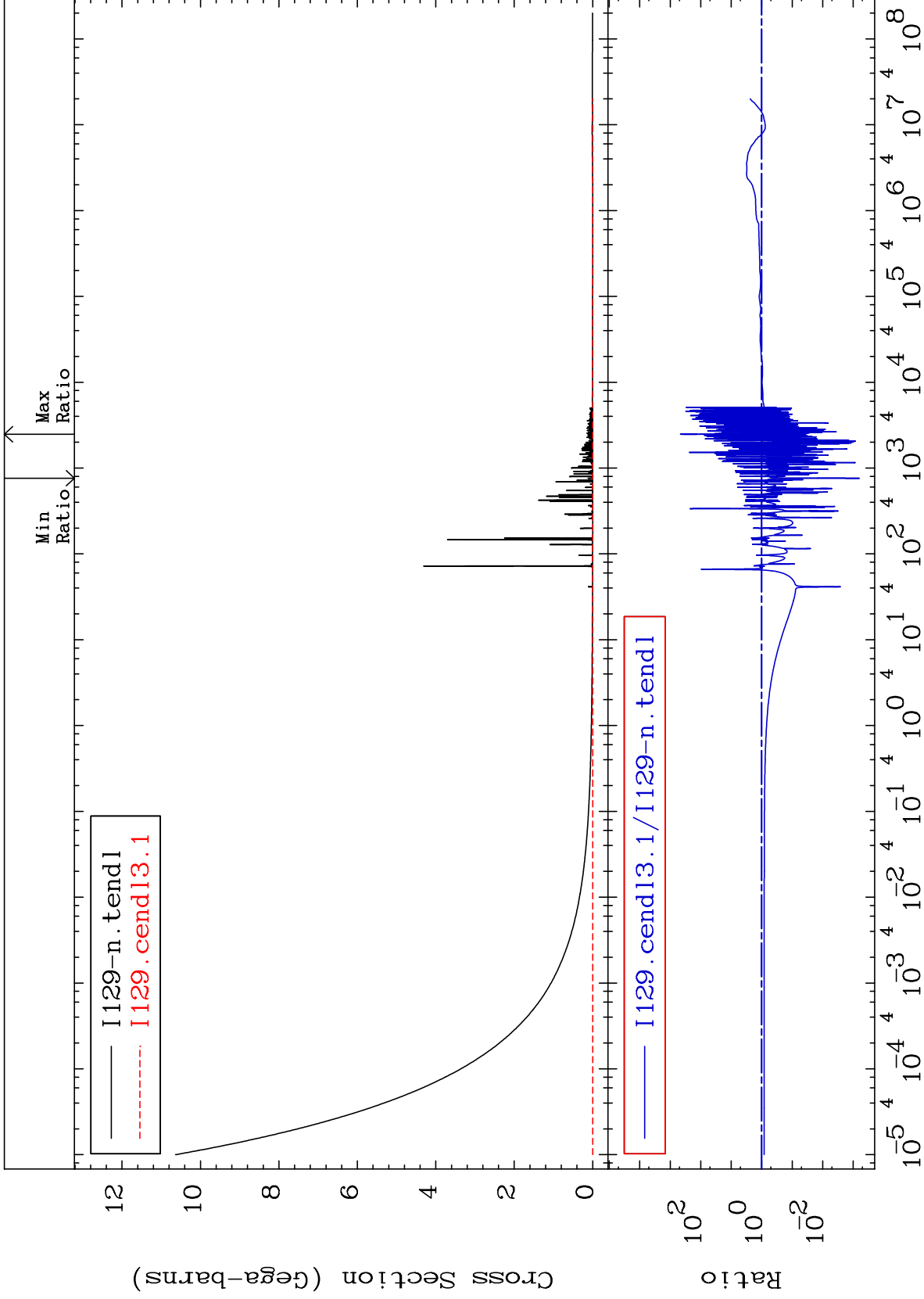


MAT 5331

Kerma capture (mt102)  
Cross Section

53-I -129  
-99.94 To 9999. %





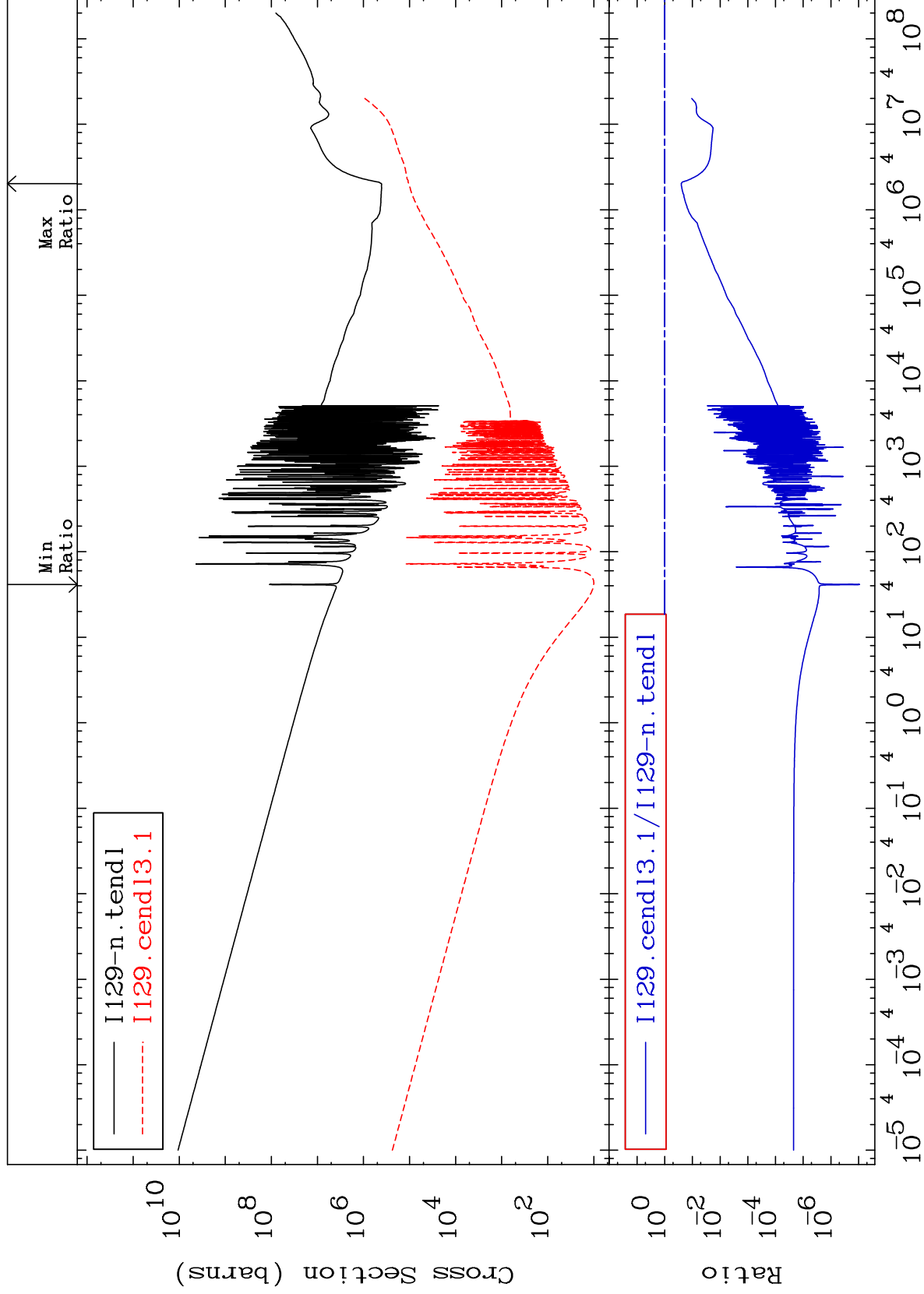
MAT 5331

Total kinematic kerma (high limit)

53-I -129

Cross Section

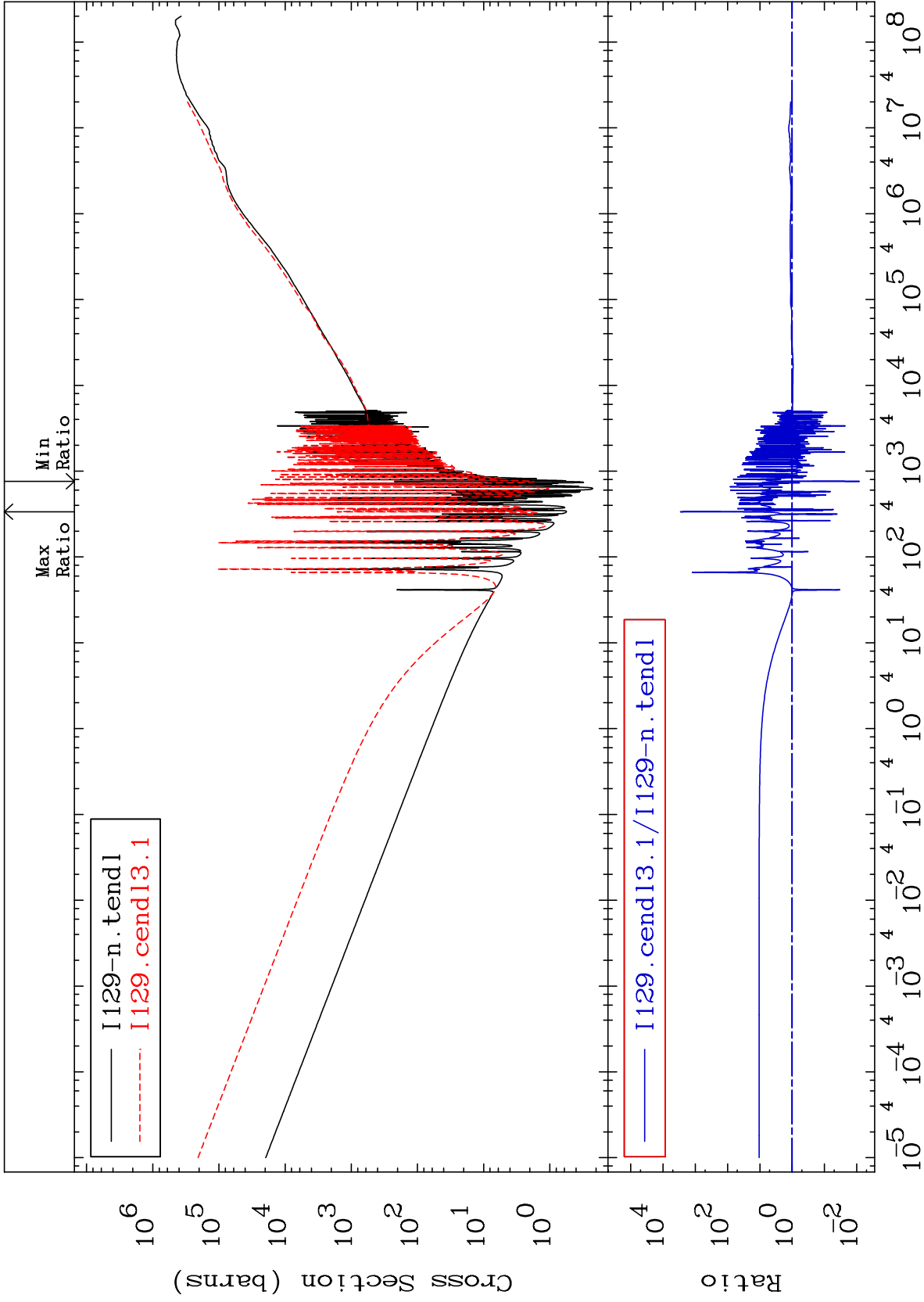
-100.0 To -74.58%



37

Incident Energy (eV)

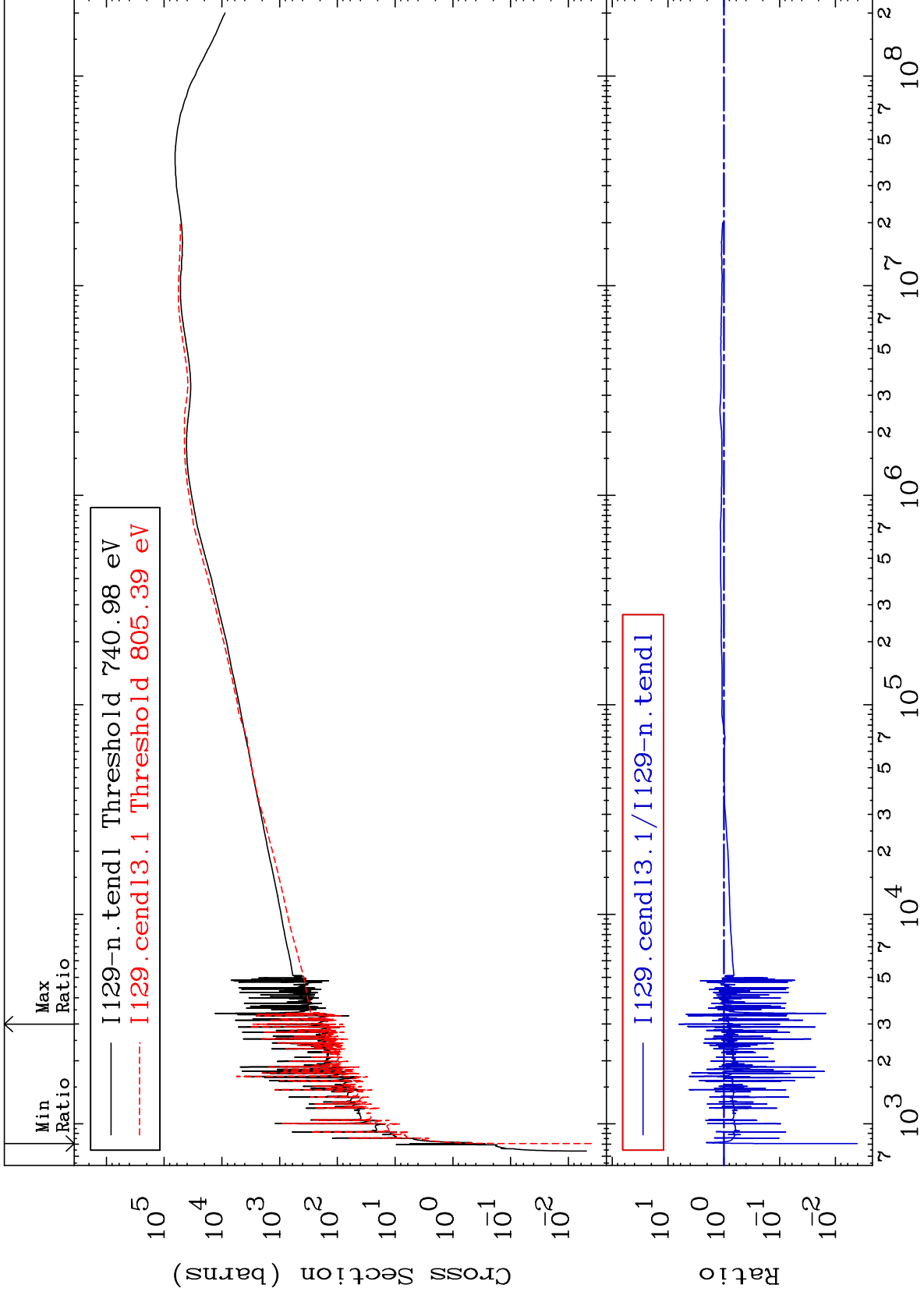
53-I -129



MAT 5331

Dpa elastic (mt2)  
Cross Section

53-I -129  
-99.59 To 546.4 %



39

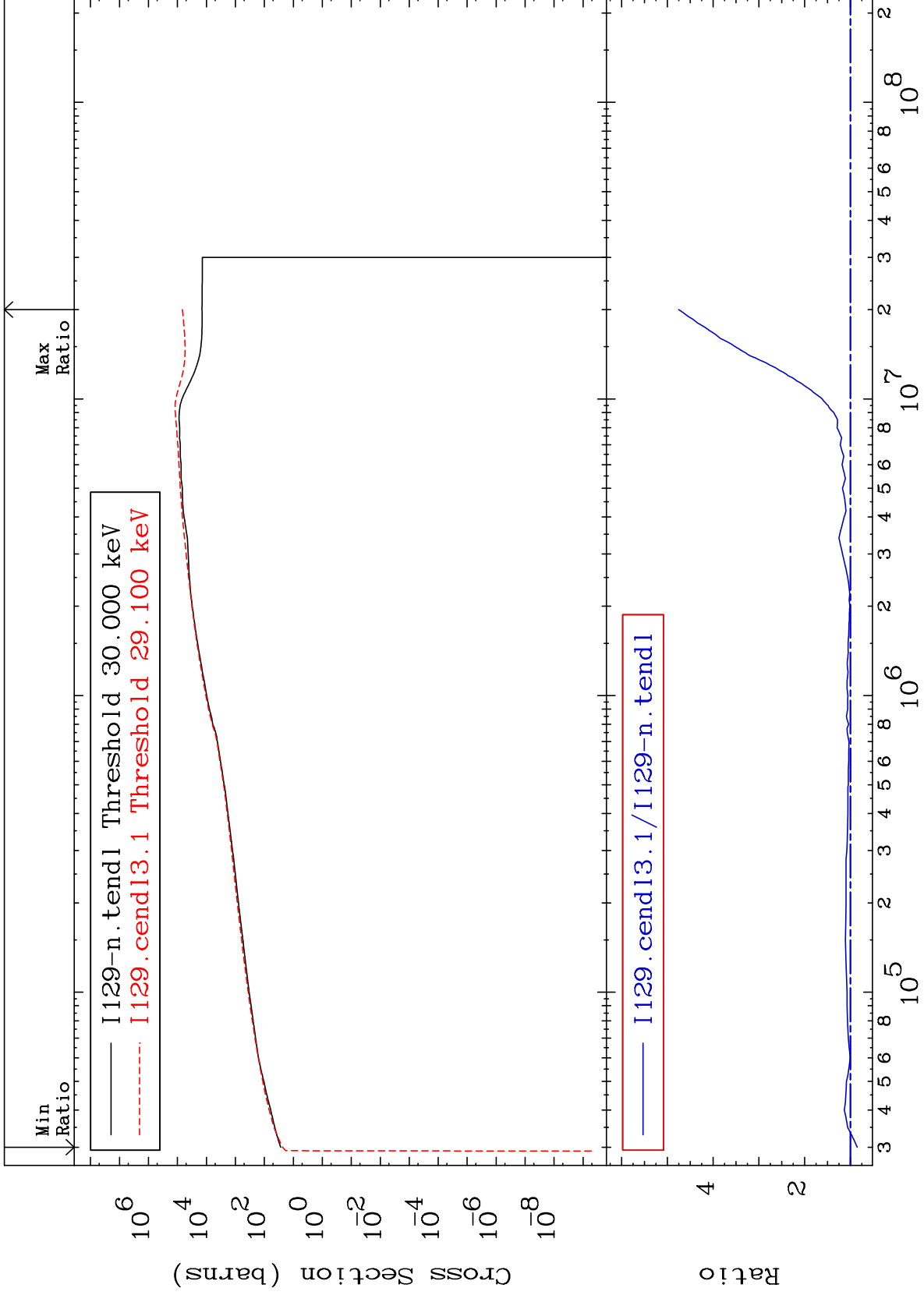
Incident Energy (eV)

53-I -129

MAT 5331

Dpa inelastic (mt51-91)  
Cross Section

53-I -129  
-14.81 To 375.4 %



40

Incident Energy (eV)

53-I -129



