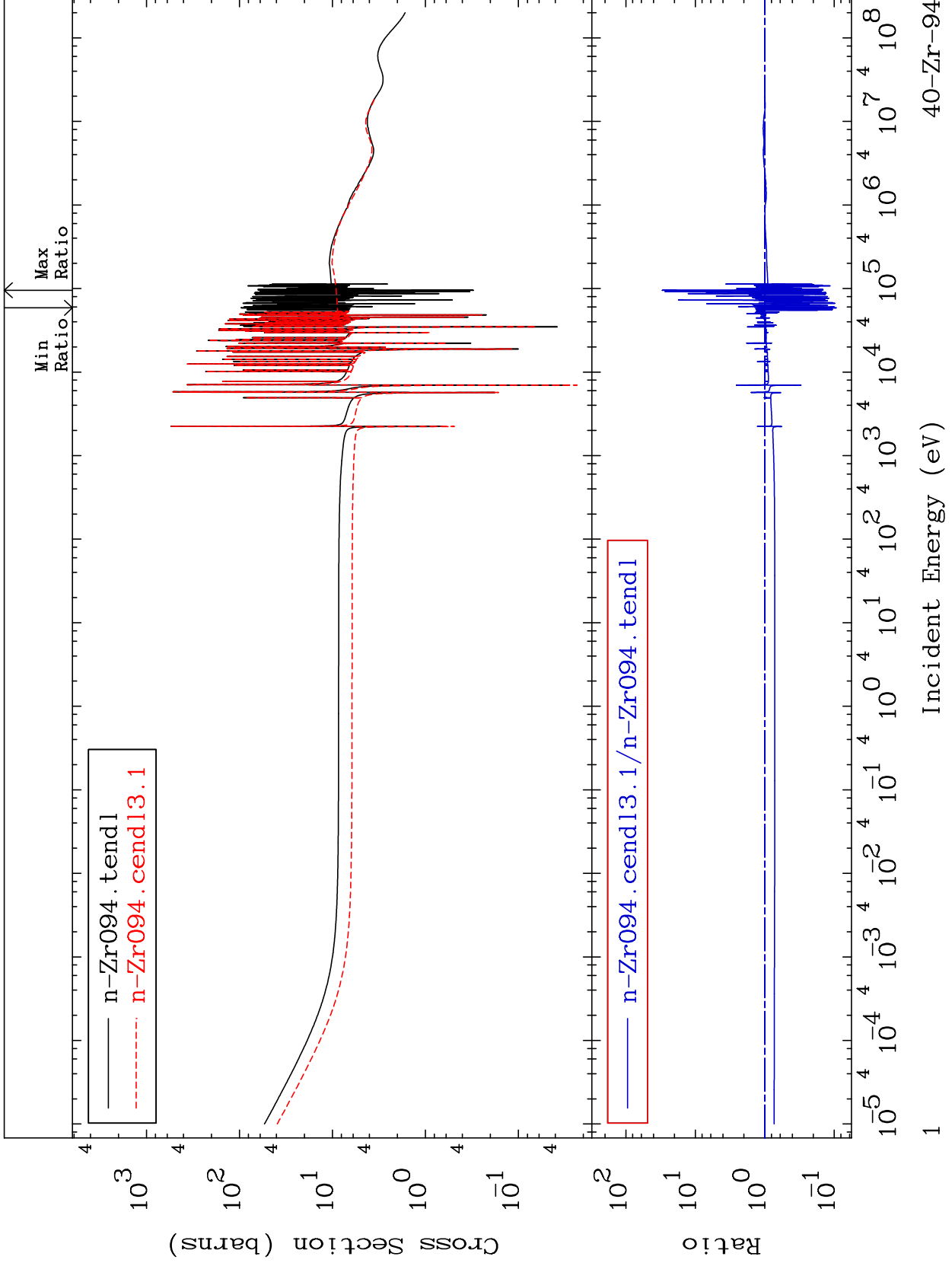


MAT 4037

Total  
Cross Section

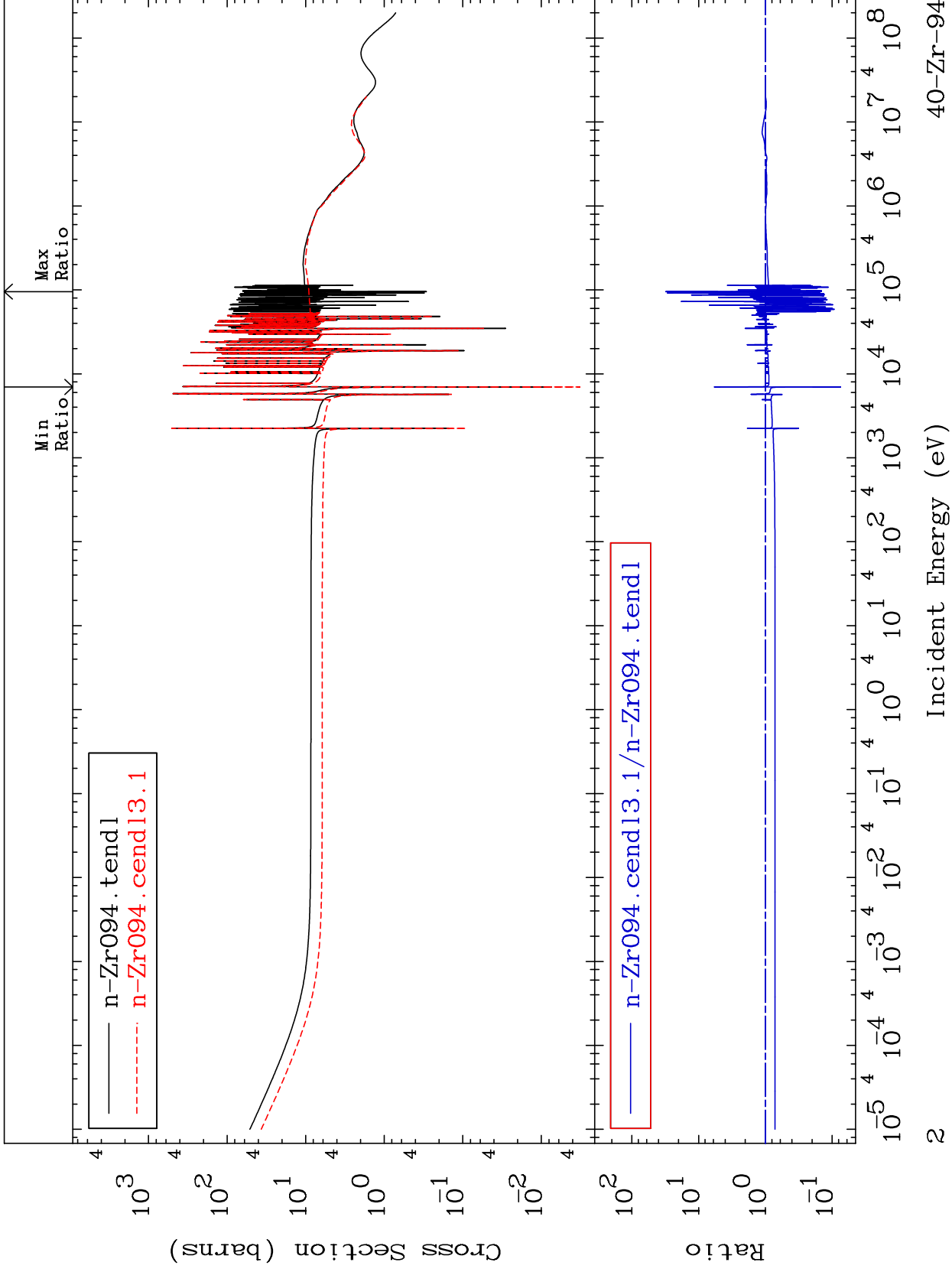
40-Zr-94  
-90.79 To 2888. %



MAT 4037

Elastic  
Cross Section

40-Zr-94  
-92.54 To 3035. %



40-Zr-94

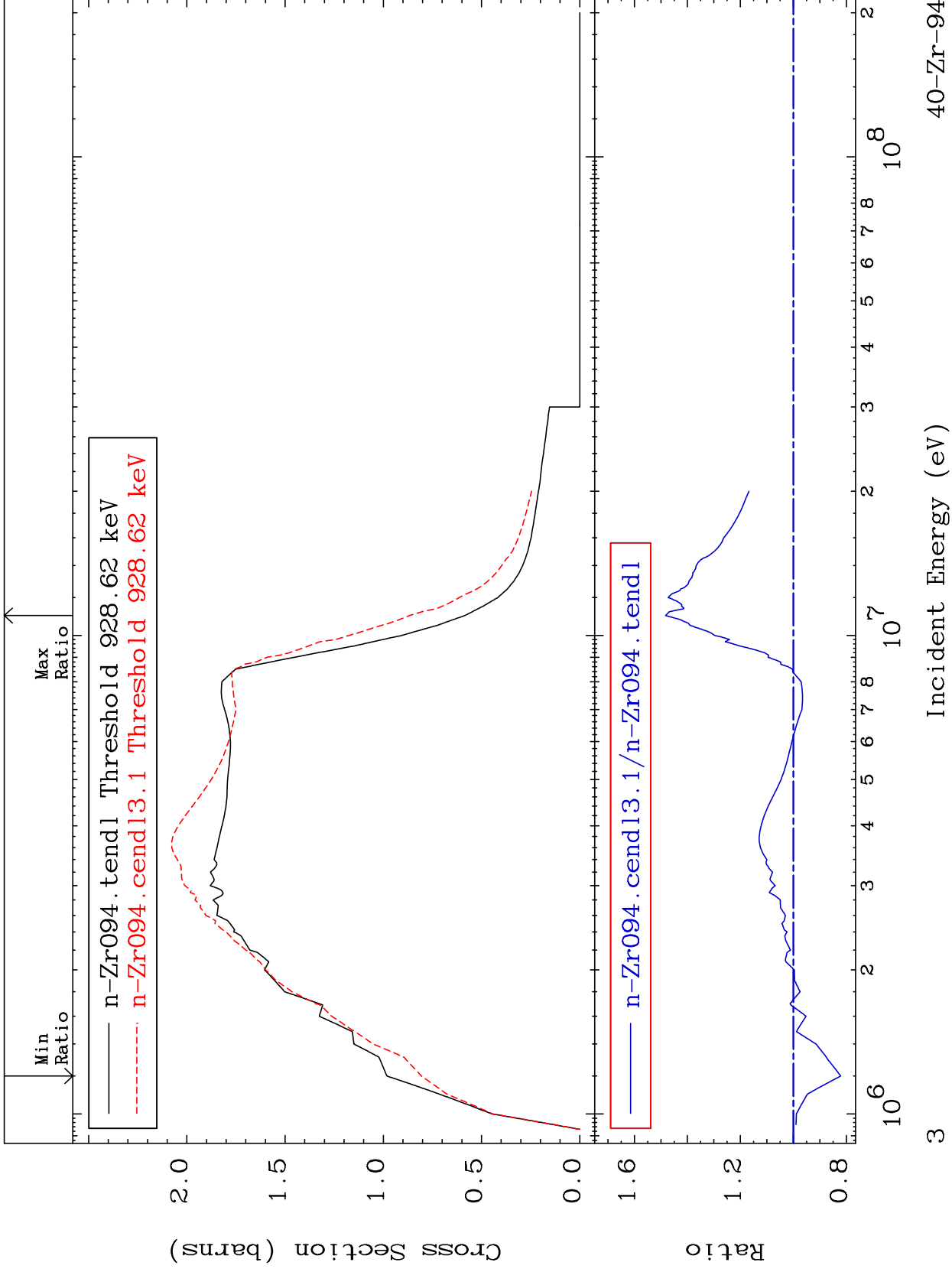
Incident Energy (eV)

2

MAT 4037

Inelastic  
Cross Section

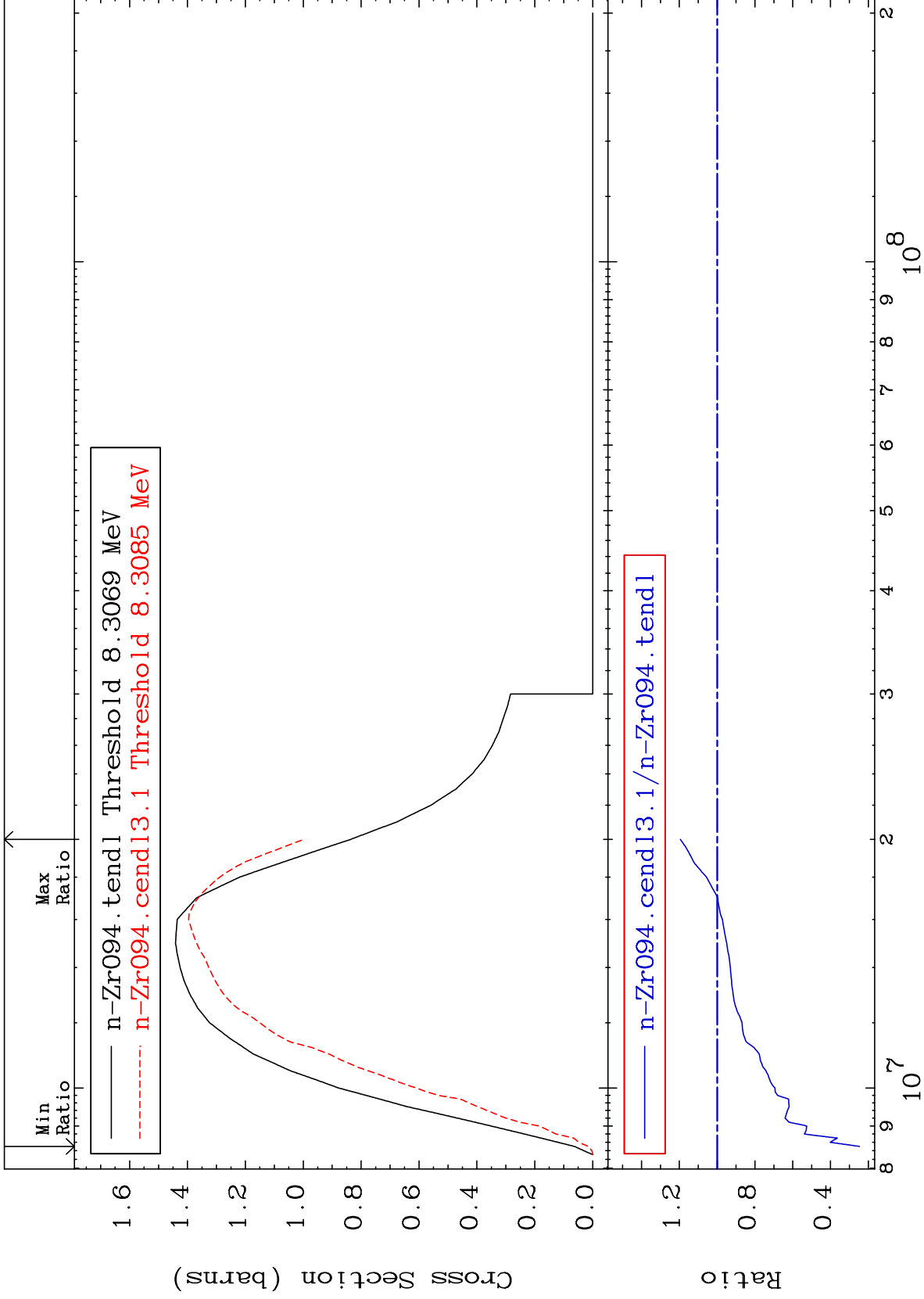
40-Zr-94  
-17.84 To 48.25 %

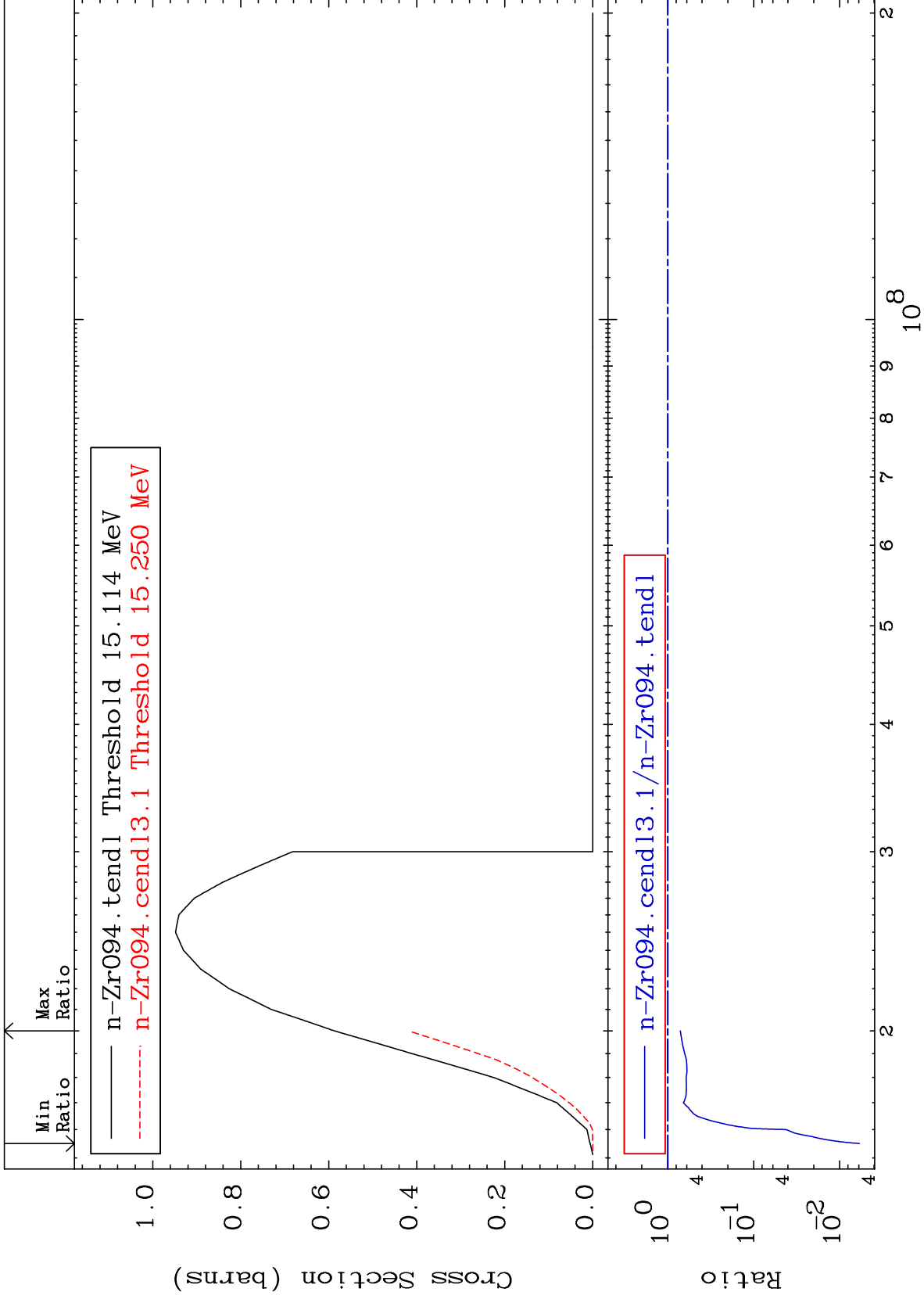


MAT 4037

(n,2n)  
Cross Section

40-Zr-94  
-75.29 To 19.46 %

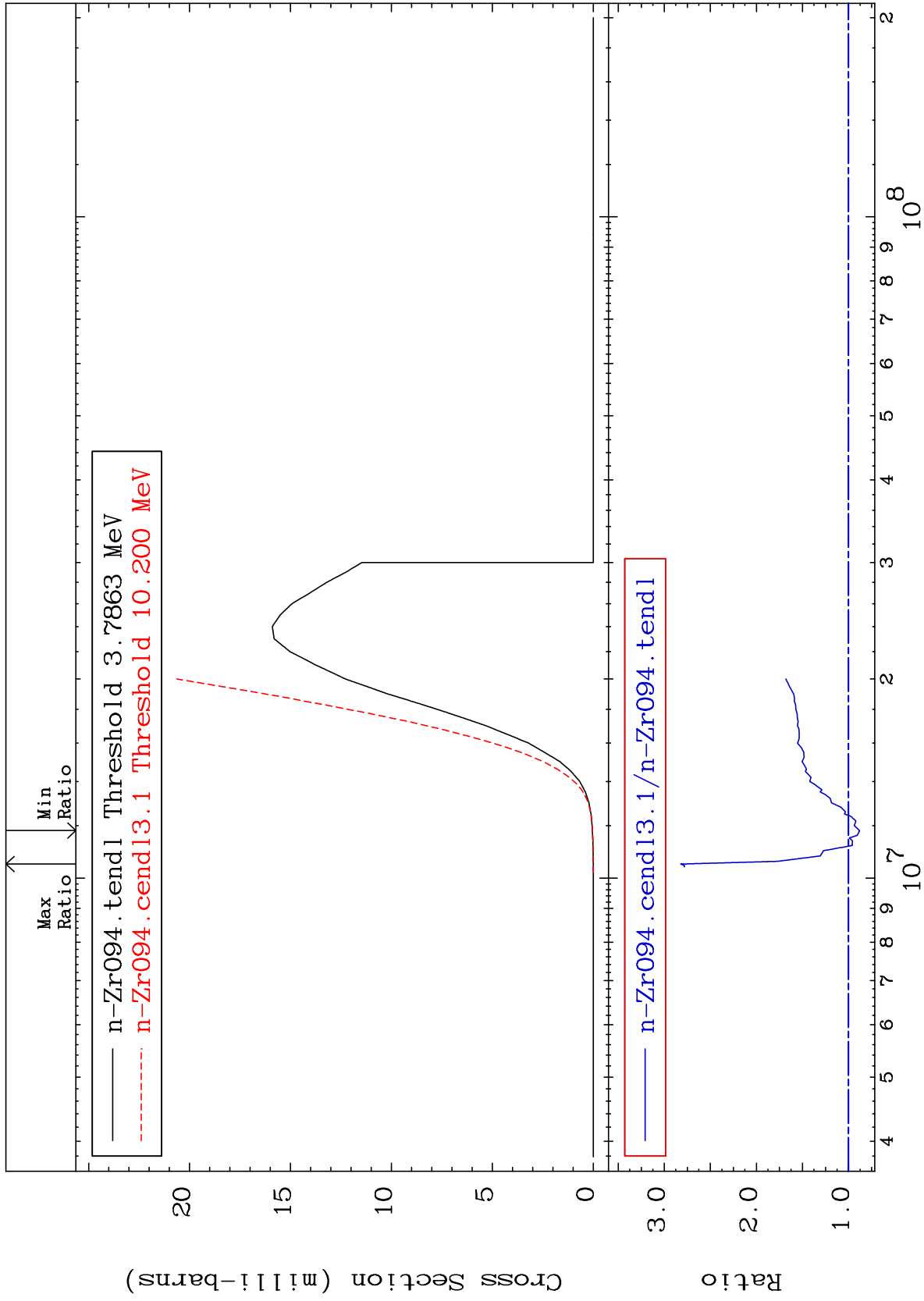




MAT 4037

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

40-Zr-94  
-11.91 To 182.1 %



6

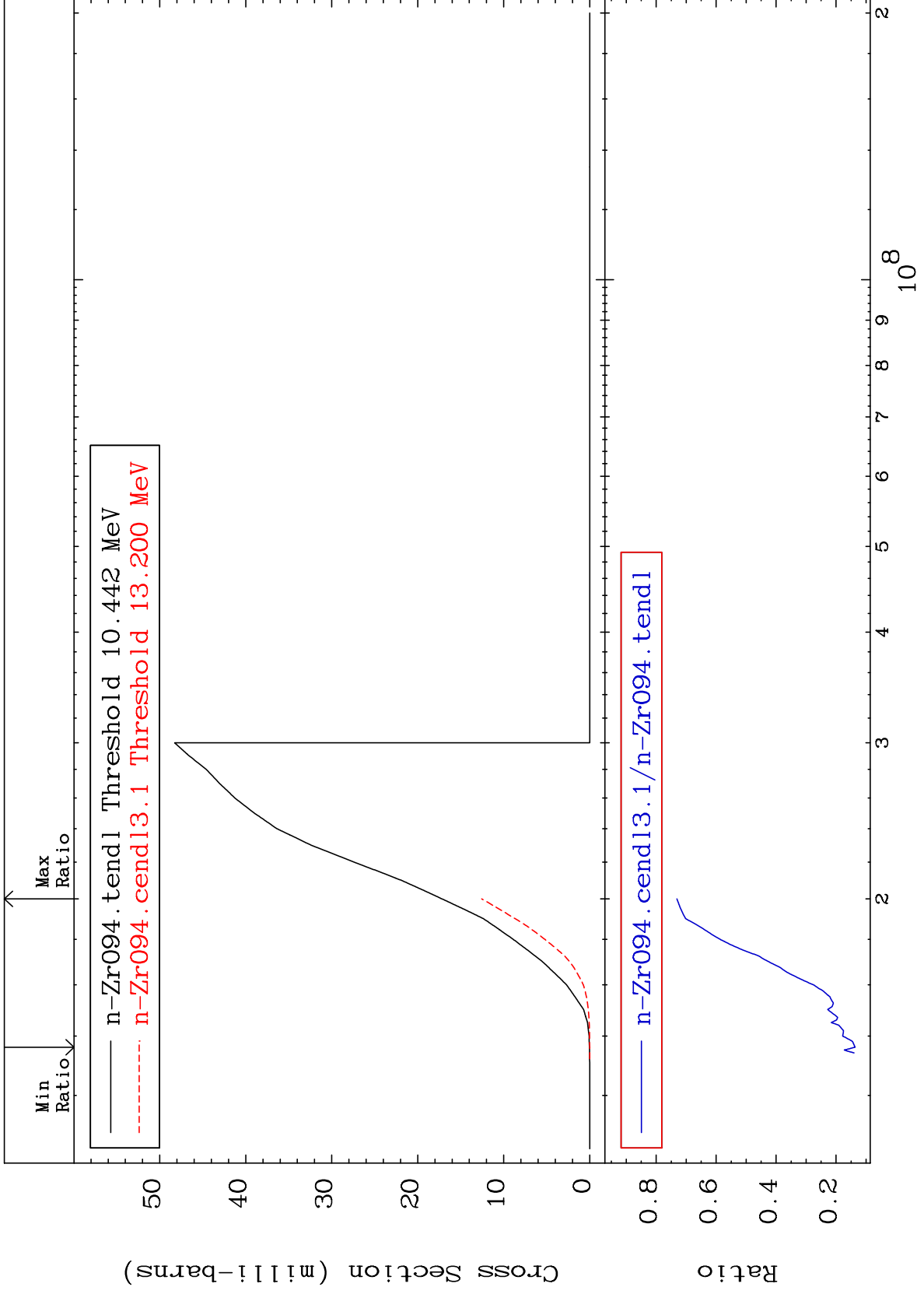
Incident Energy (eV)

40-Zr-94

MAT 4037

(n,n') p  
Cross Section

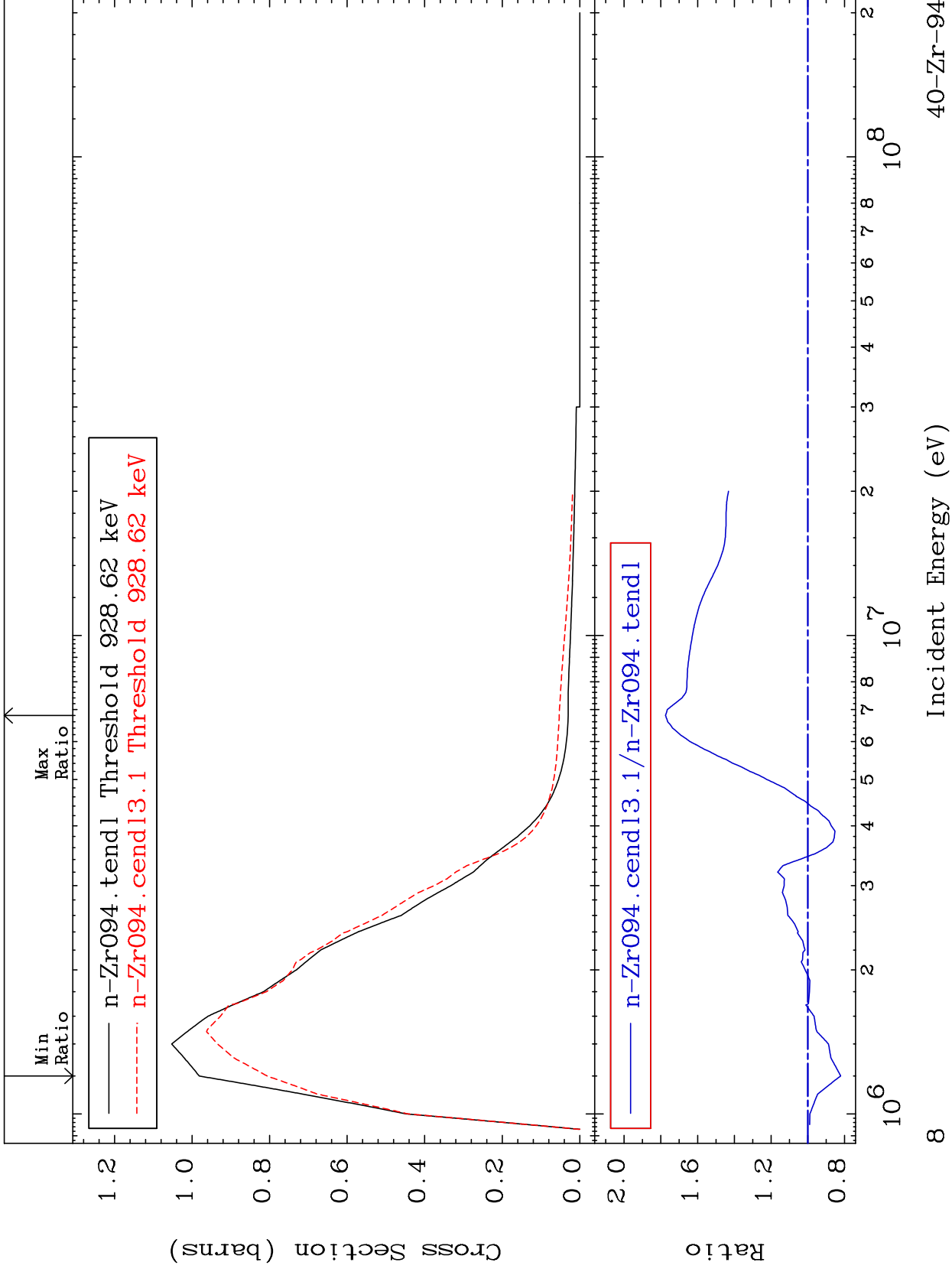
40-Zr-94  
-86.33 To -26.91%



MAT 4037

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

40-Zr-94  
-17.84 To 77.46 %



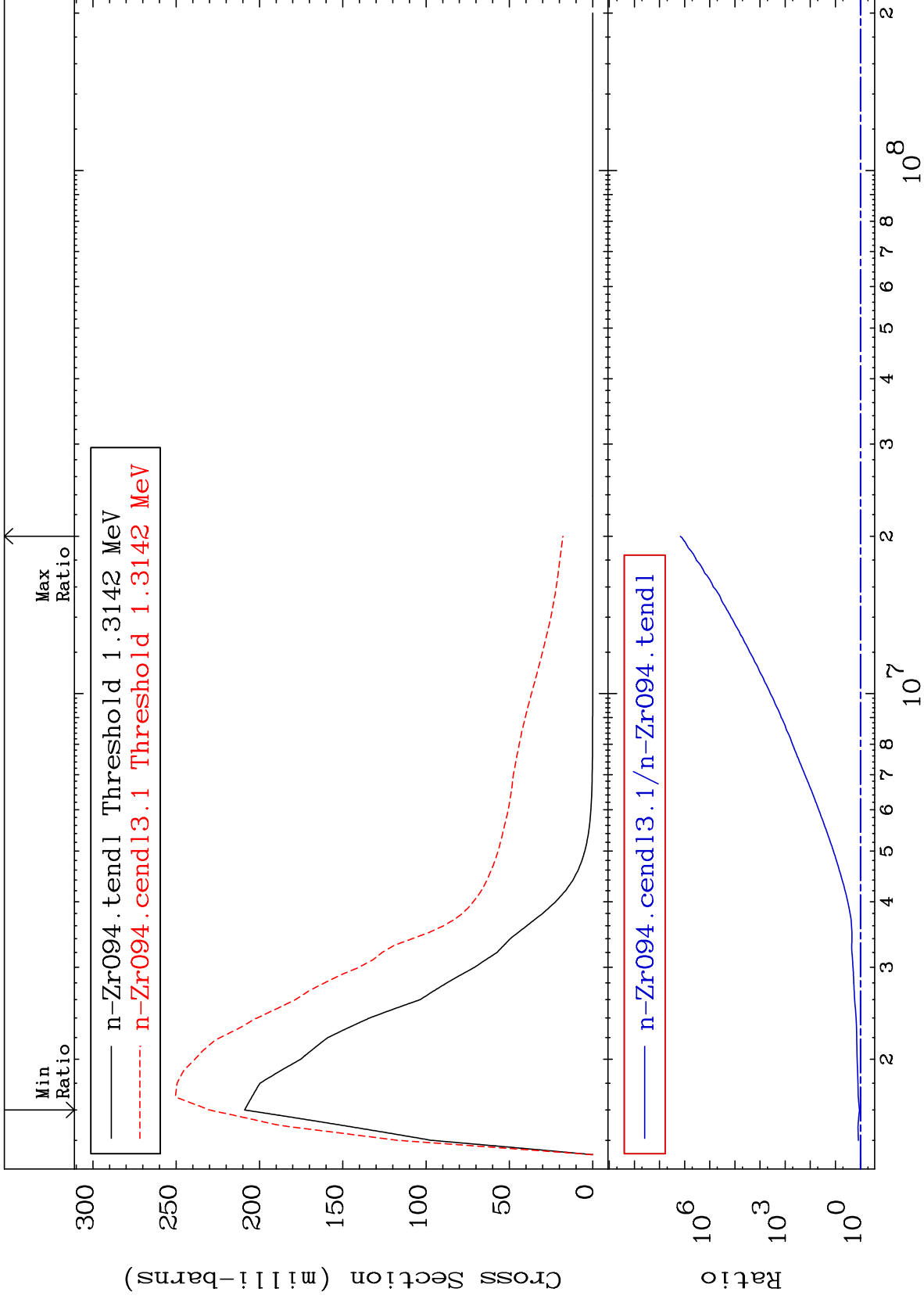
40-Zr-94



MAT 4037

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

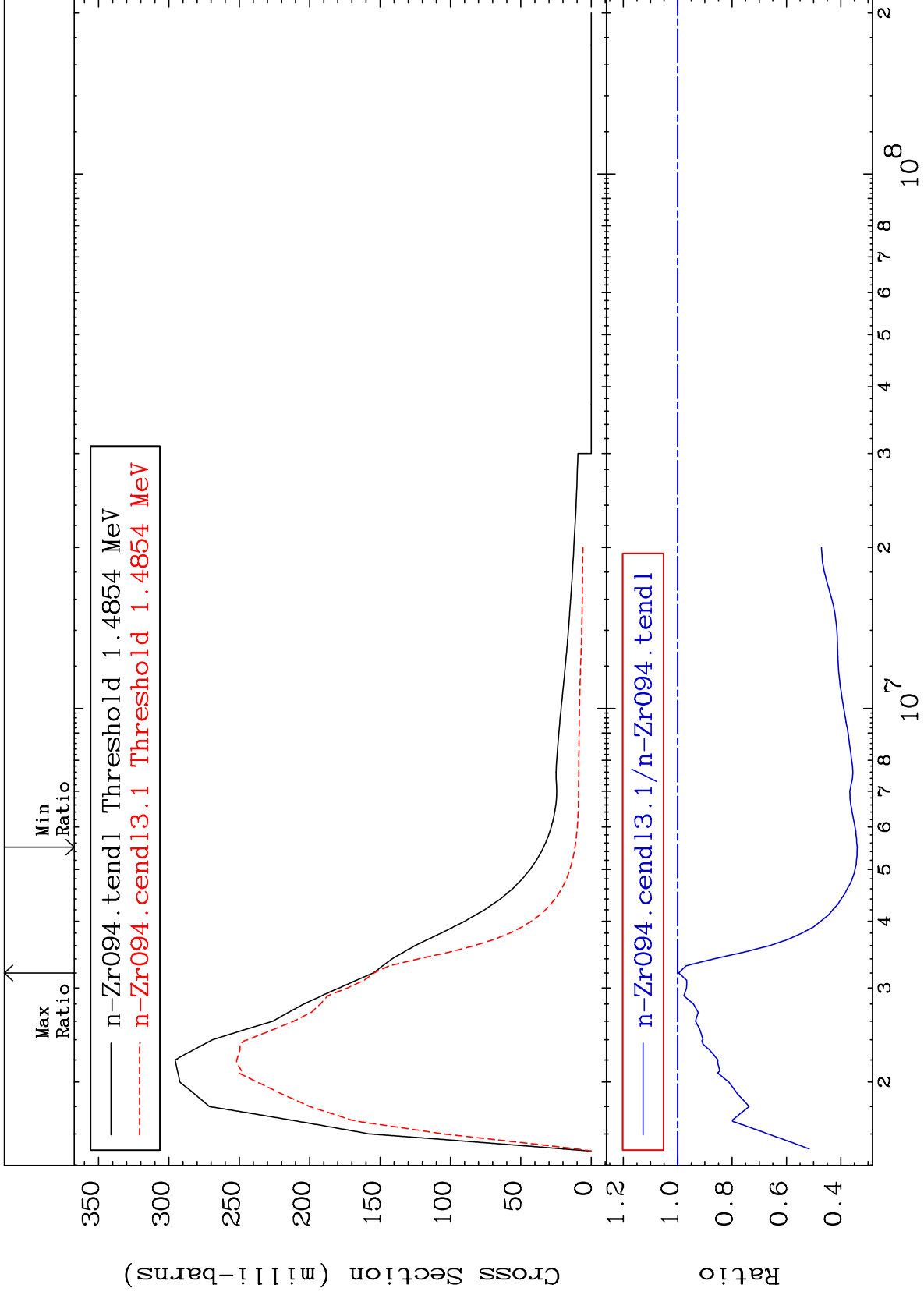
40-Zr-94  
10.11 To 9999. %



MAT 4037

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

40-Zr-94  
-66.04 To -0.351%



10

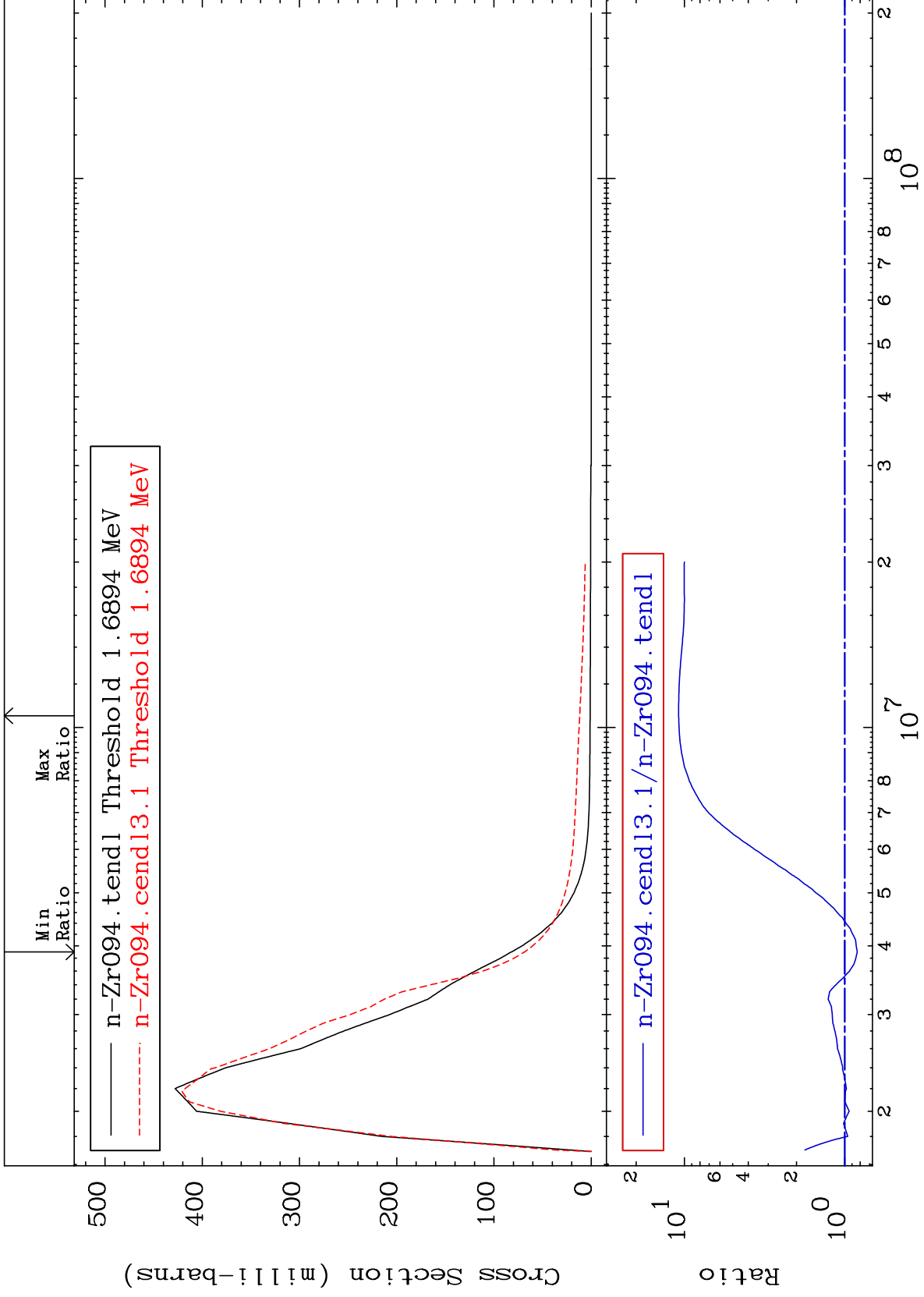
Incident Energy (eV)

40-Zr-94

MAT 4037

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

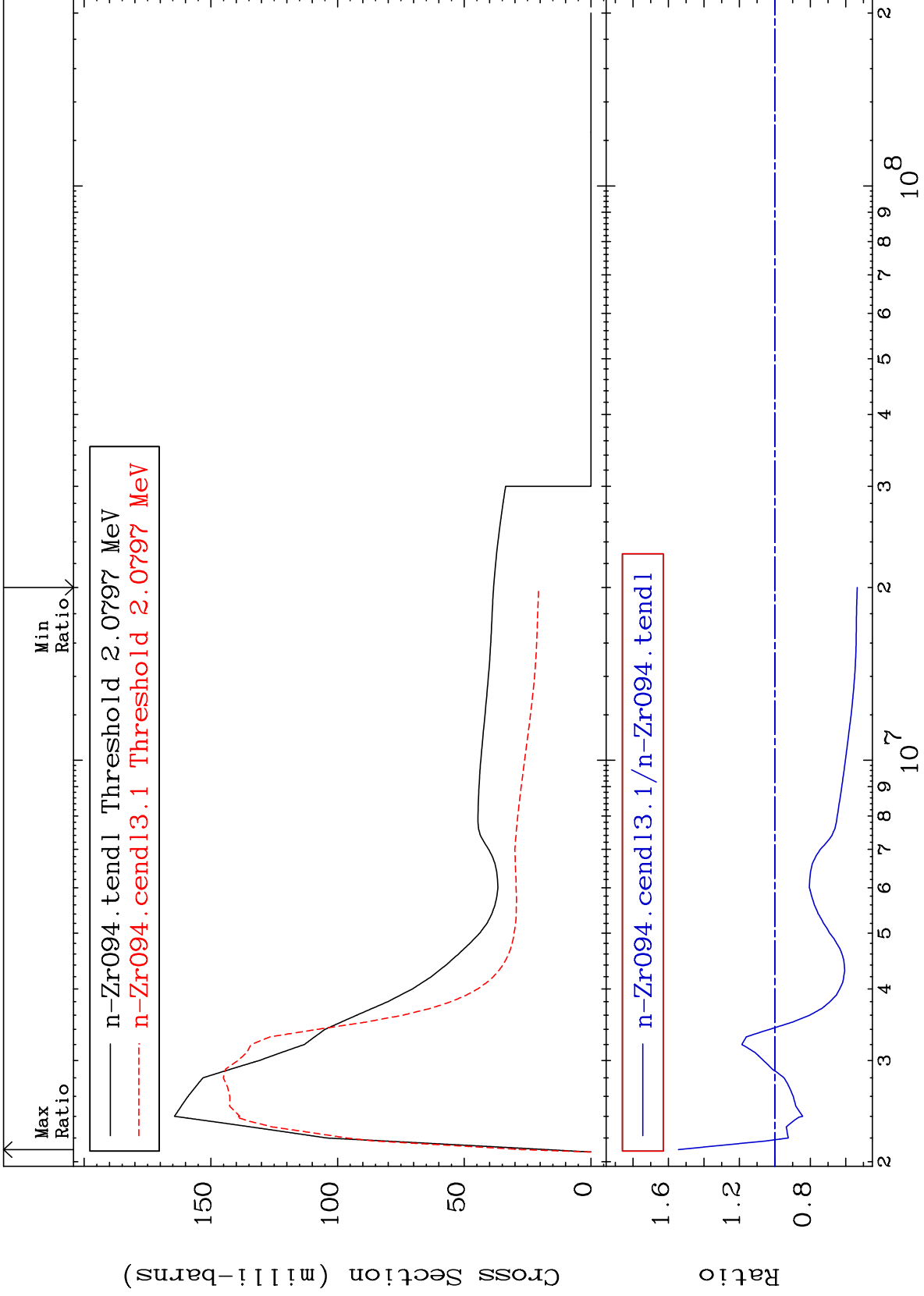
40-Zr-94  
-16.50 To 986.2 %



MAT 4037

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

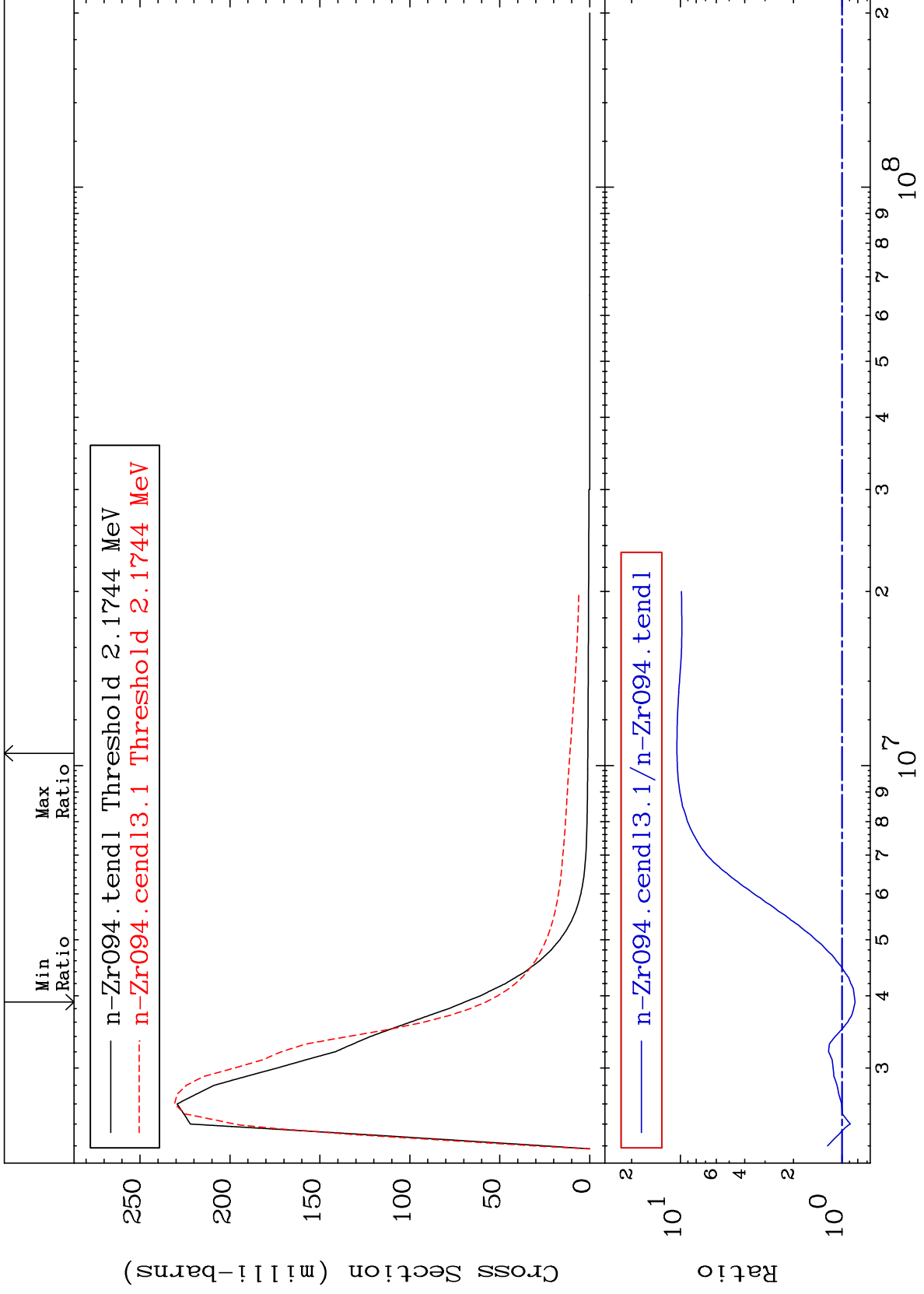
40-Zr-94  
-46.45 To 54.37 %



MAT 4037

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

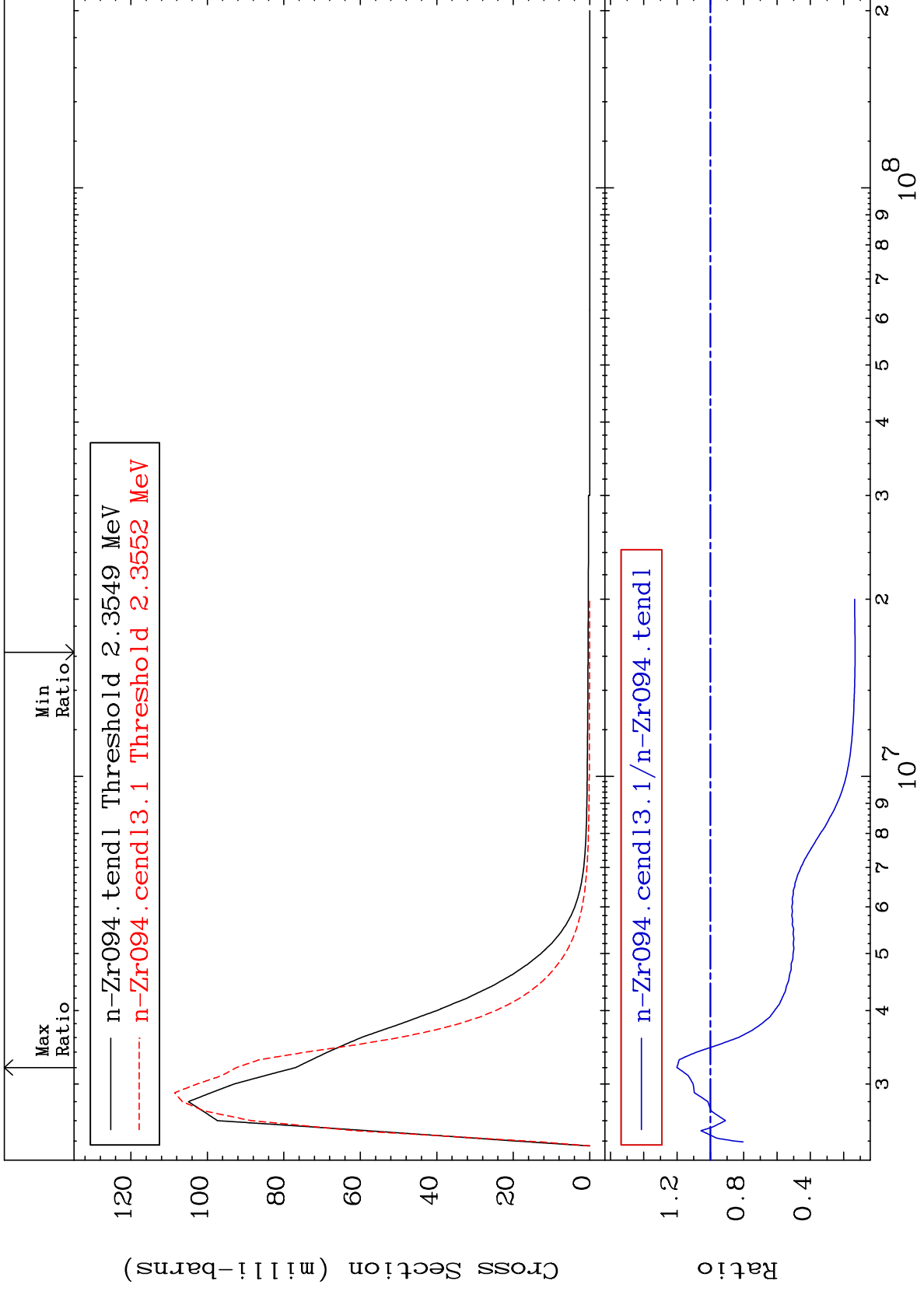
40-Zr-94  
-16.89 To 951.1 %



MAT 4037

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

40-Zr-94  
-86.86 To 20.10 %



14

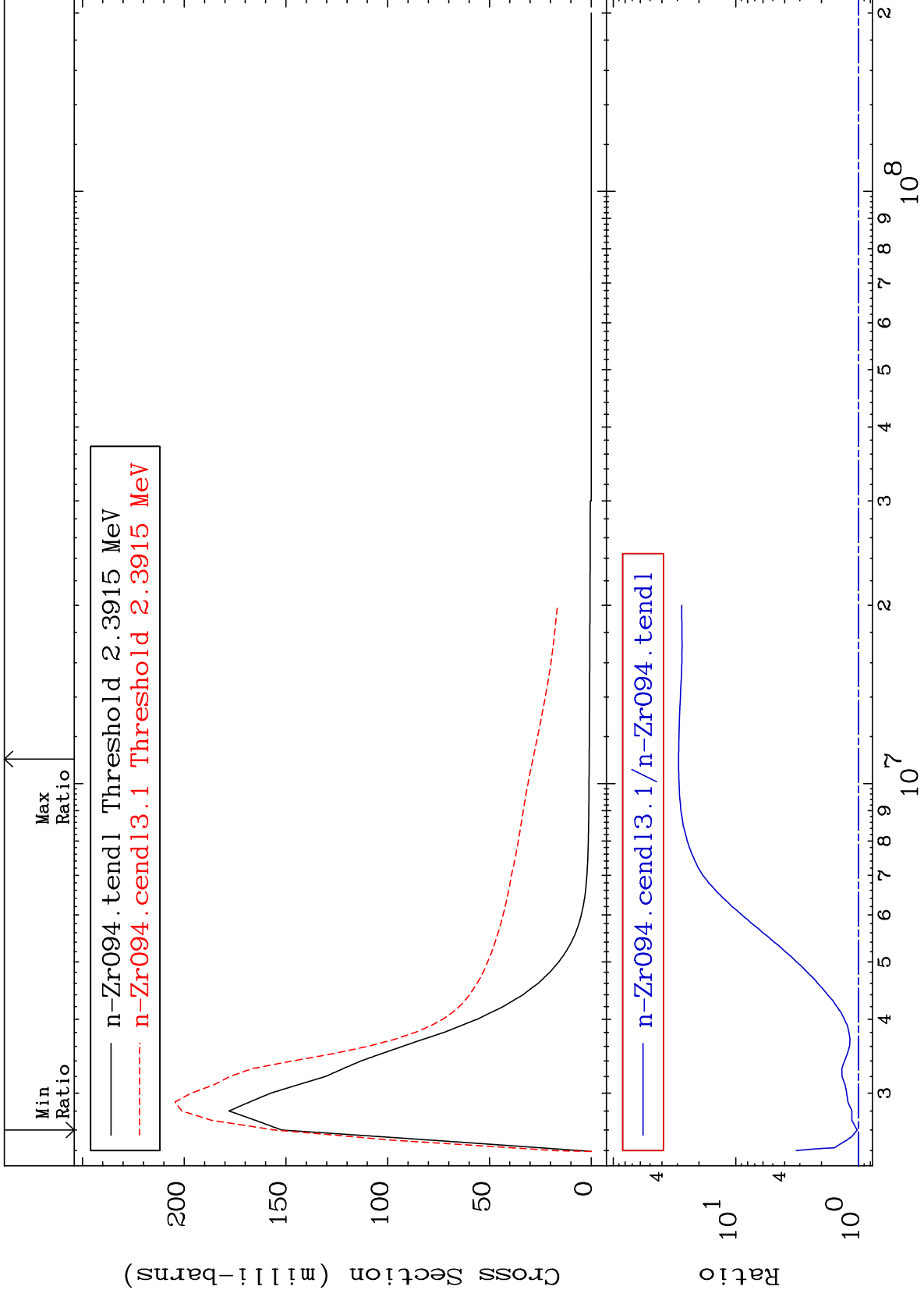
Incident Energy (eV)

40-Zr-94

MAT 4037

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

40-Zr-94  
2.211 To 2826. %



15

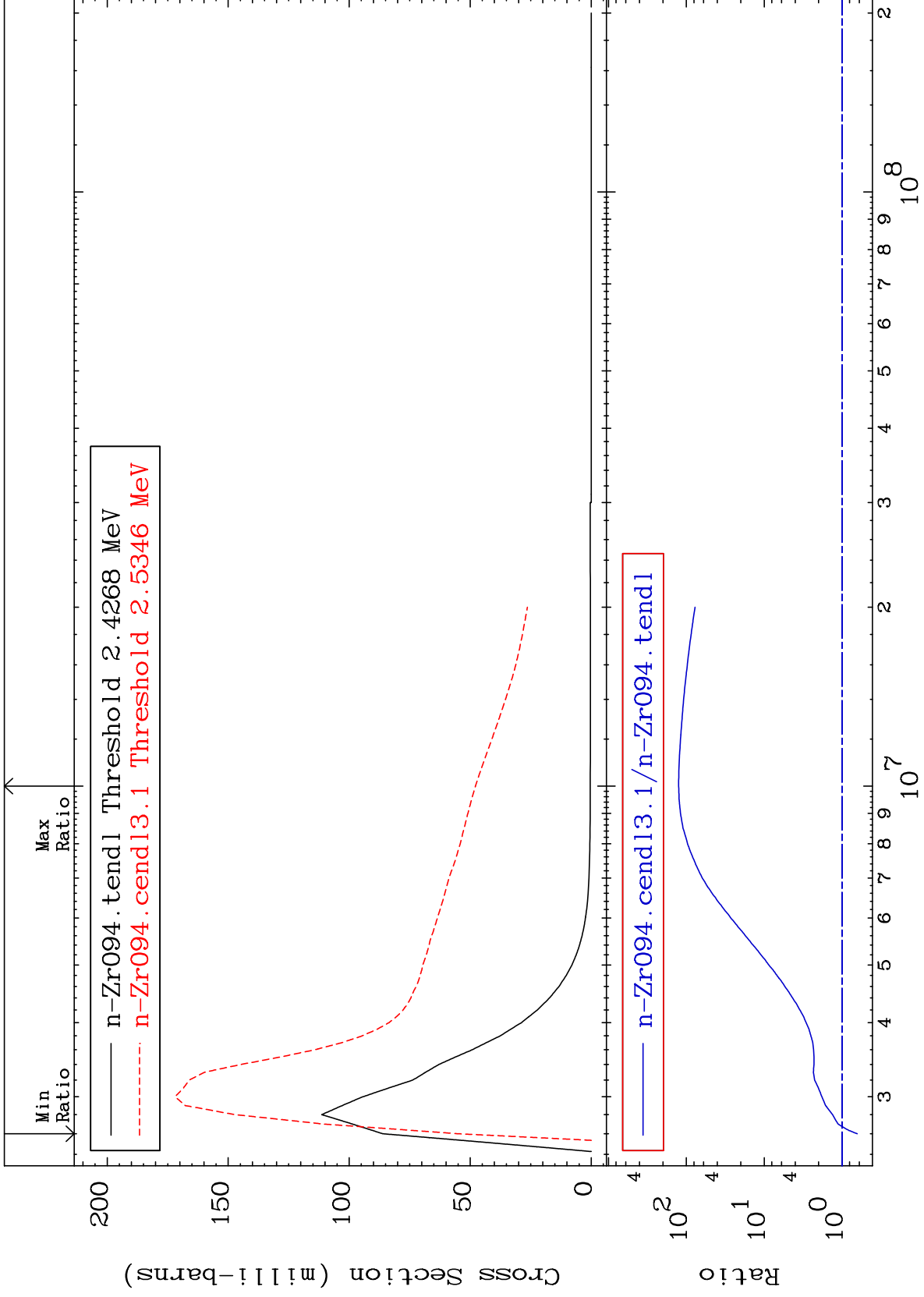
Incident Energy (eV)

40-Zr-94

MAT 4037

MT= 59 (n,n') Level  
Cross Section

40-Zr-94  
-36.11 To 9999. %

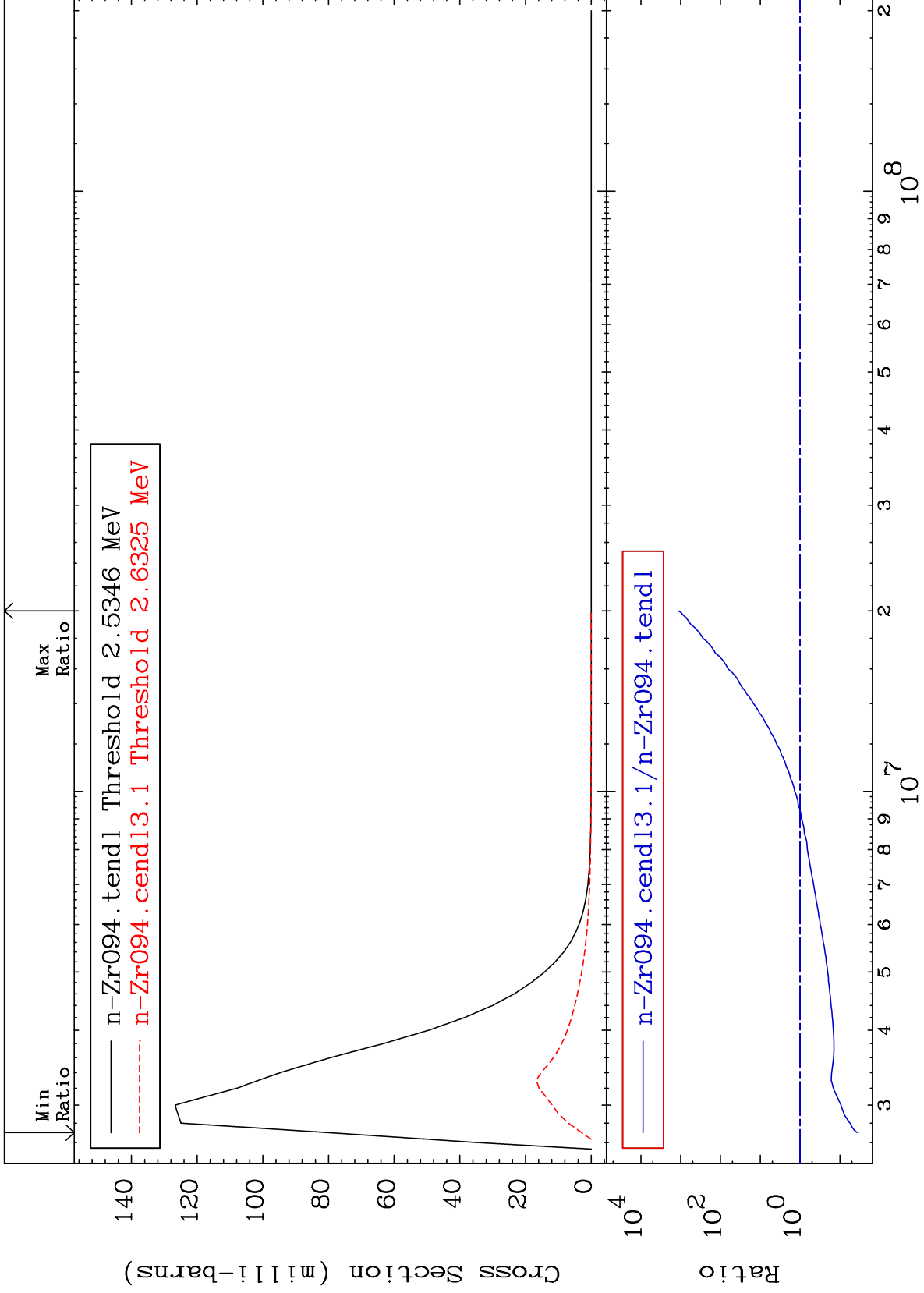




MAT 4037

MT= 60 (n,n') Level  
Cross Section

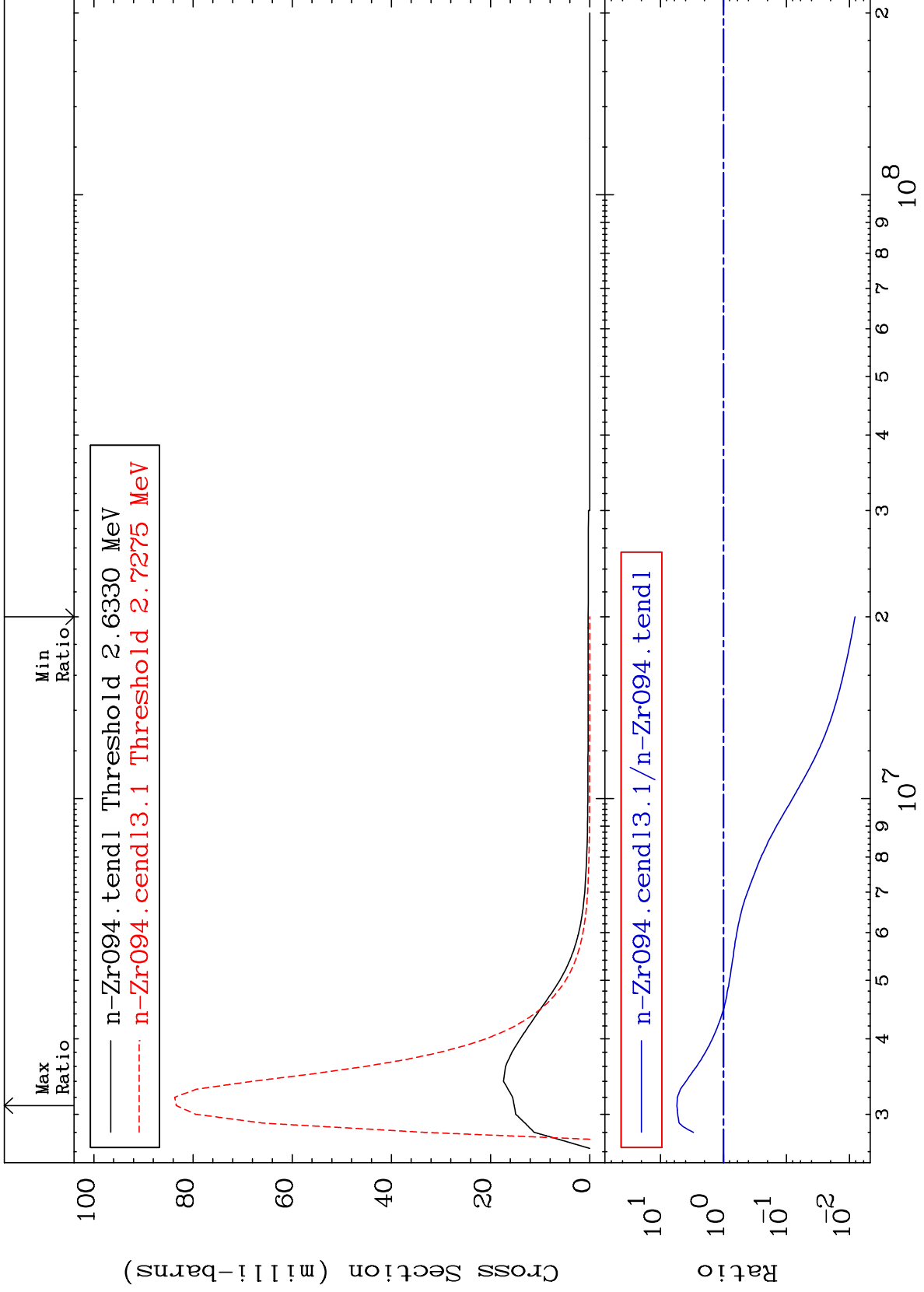
40-Zr-94  
-96.33 To 9999. %



MAT 4037

MT= 61 (n,n') Level  
Cross Section

40-Zr-94  
-99.18 To 447.5 %



18

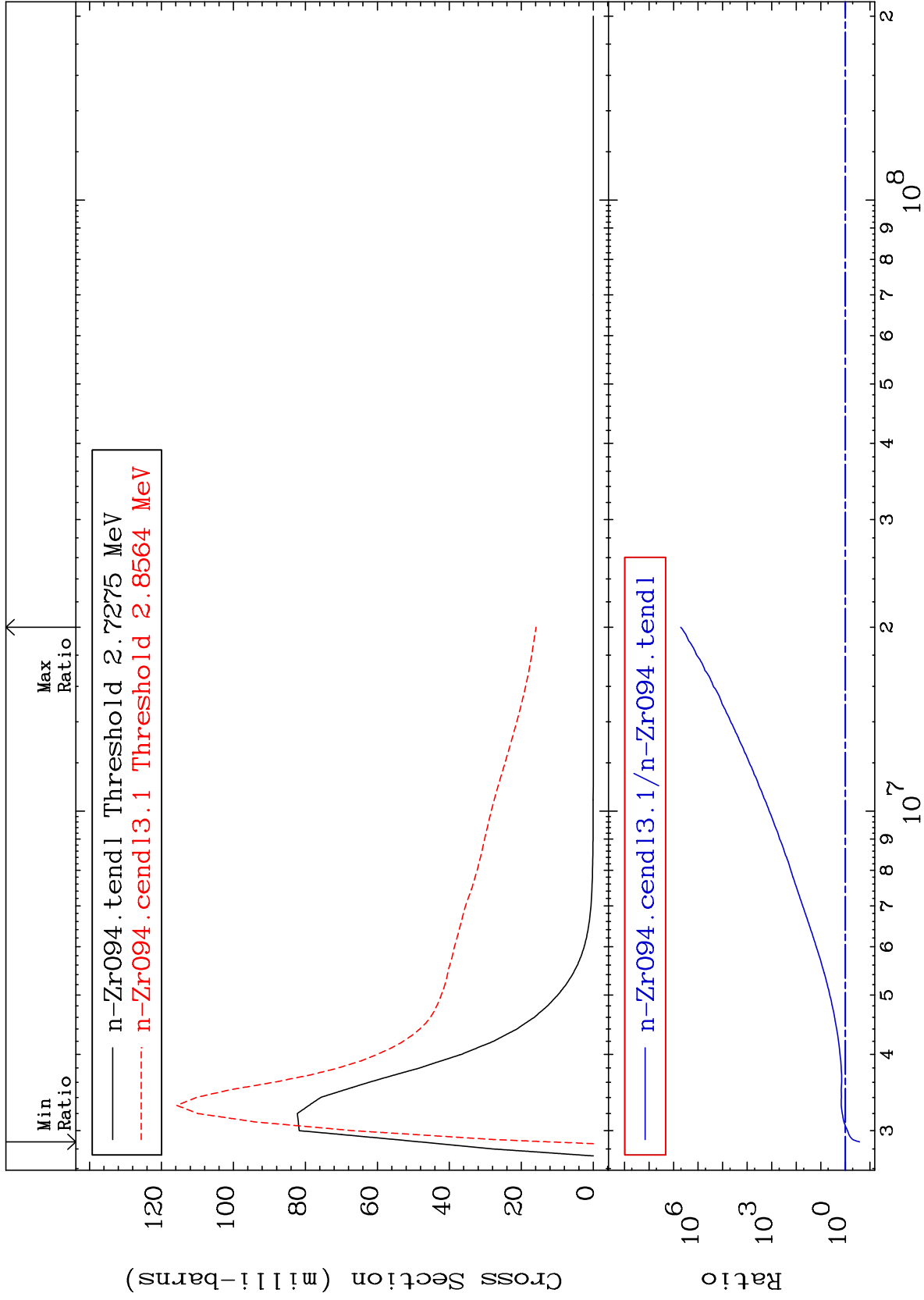
Incident Energy (eV)

40-Zr-94

MAT 4037

MT= 62 (n,n') Level  
Cross Section

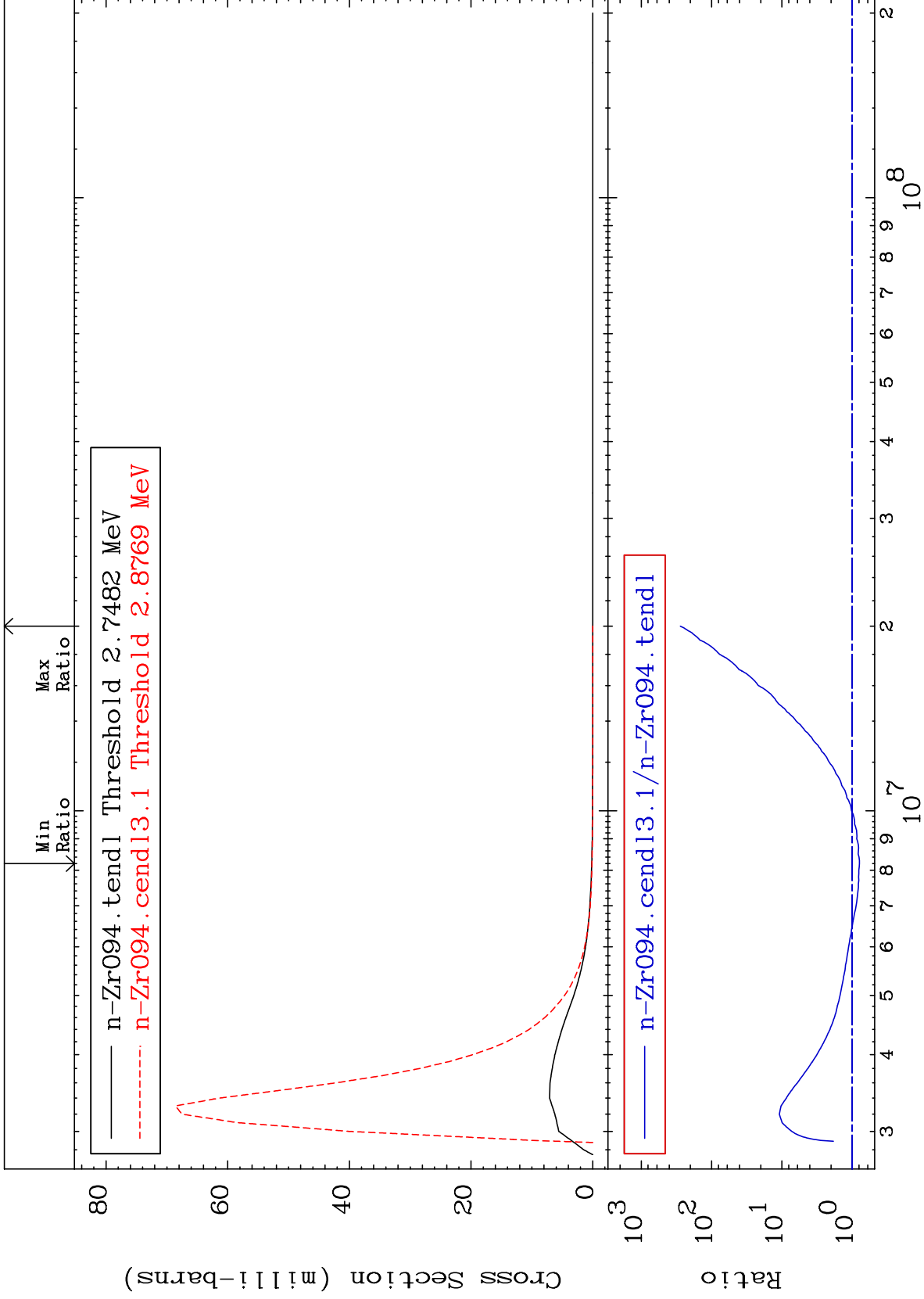
40-Zr-94  
-73.63 To 9999. %



MAT 4037

MT= 63 (n,n') Level  
Cross Section

40-Zr-94  
-21.21 To 9999. %



20

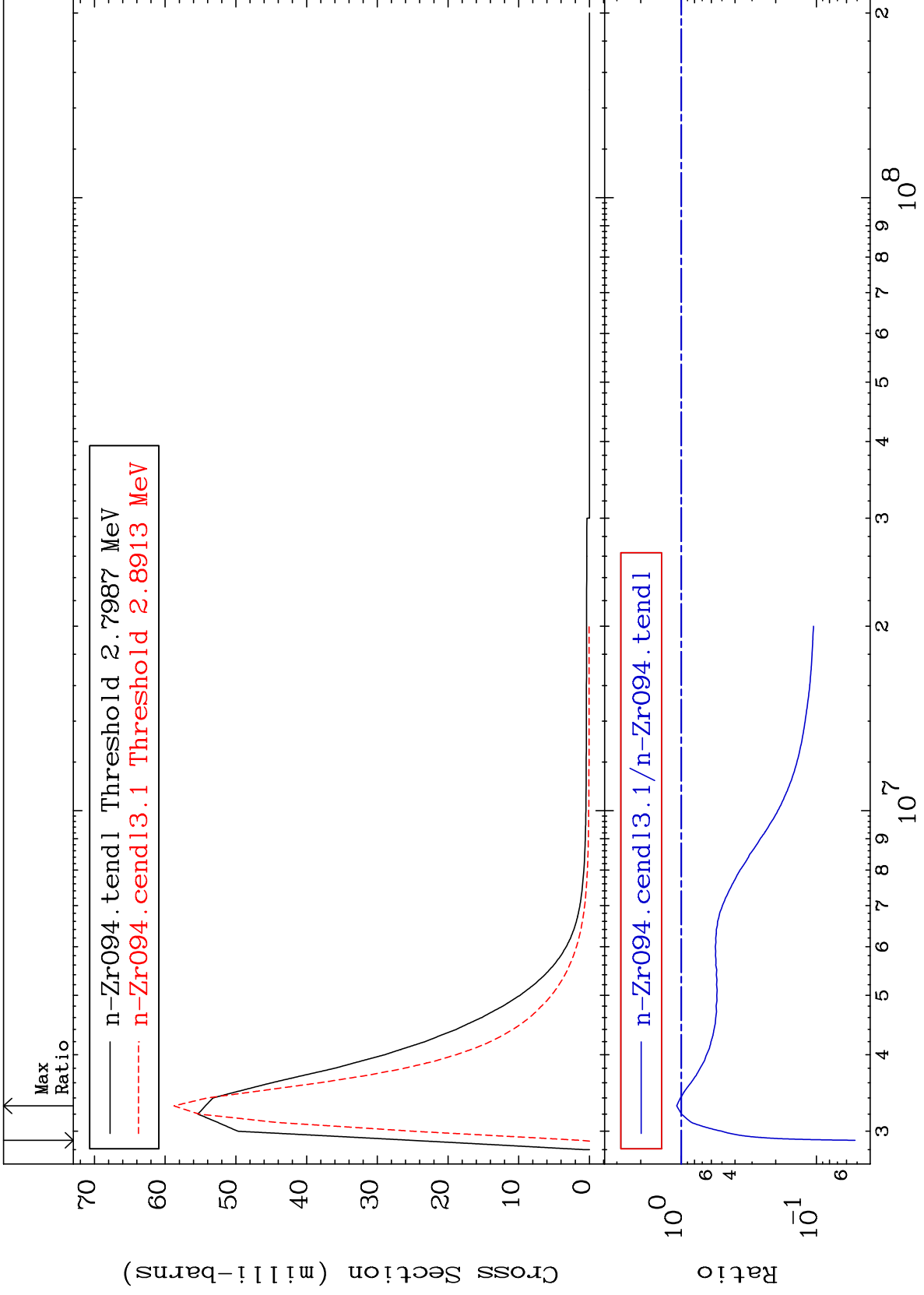
Incident Energy (eV)

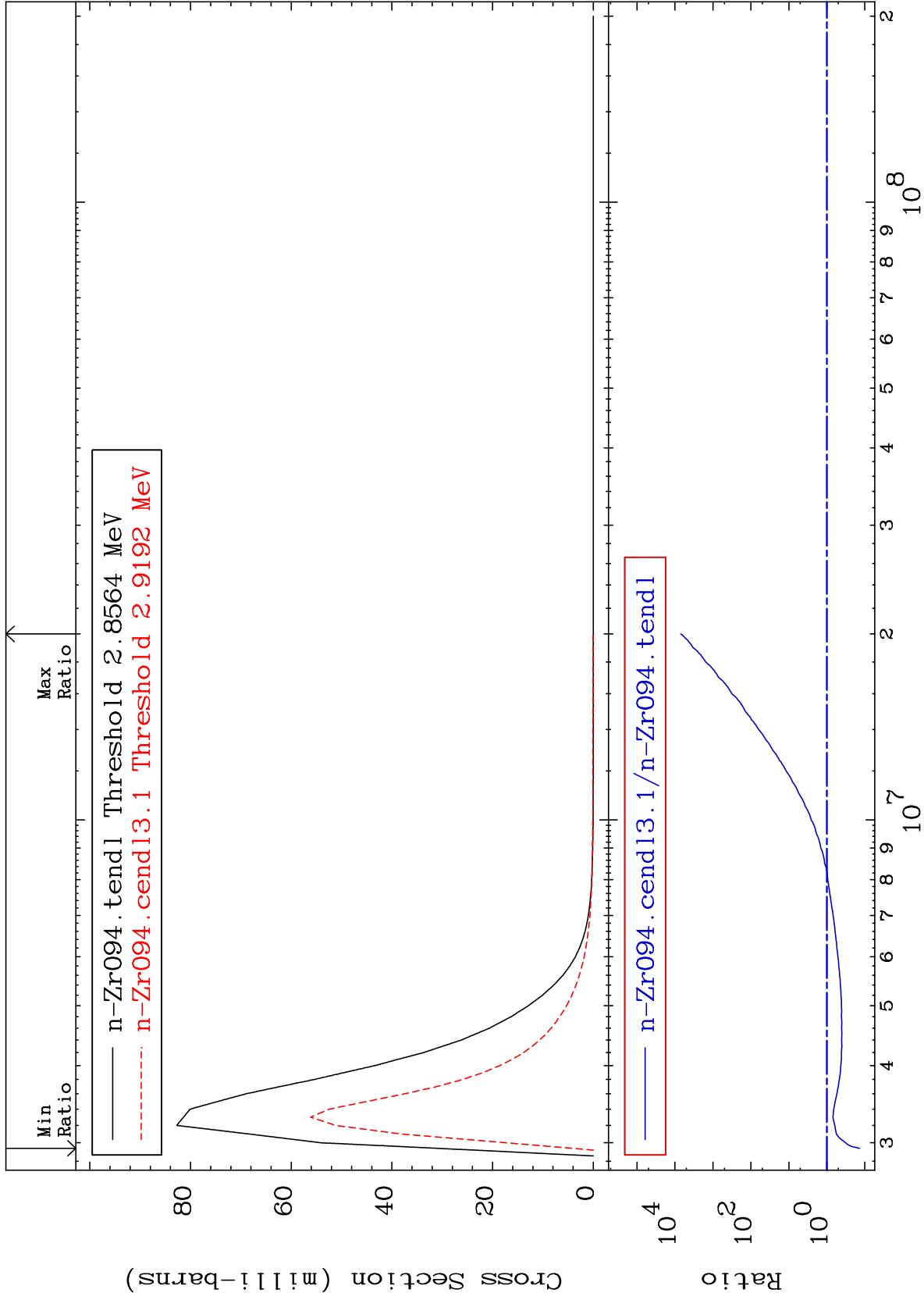
40-Zr-94

MAT 4037

MT= 64 (n,n') Level  
Cross Section

40-Zr-94  
-94.82 To 8.198 %

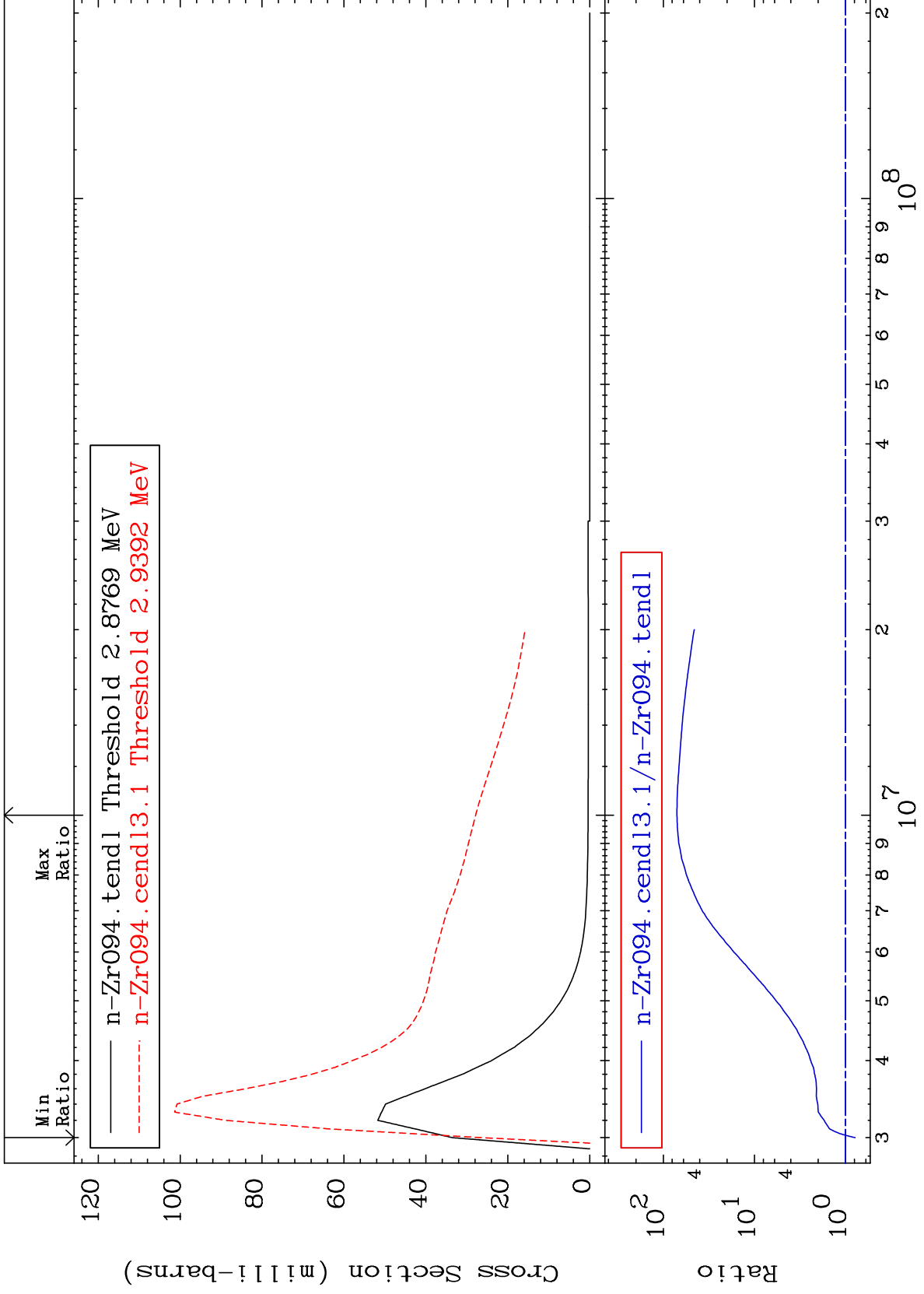




MAT 4037

MT= 66 (n,n') Level  
Cross Section

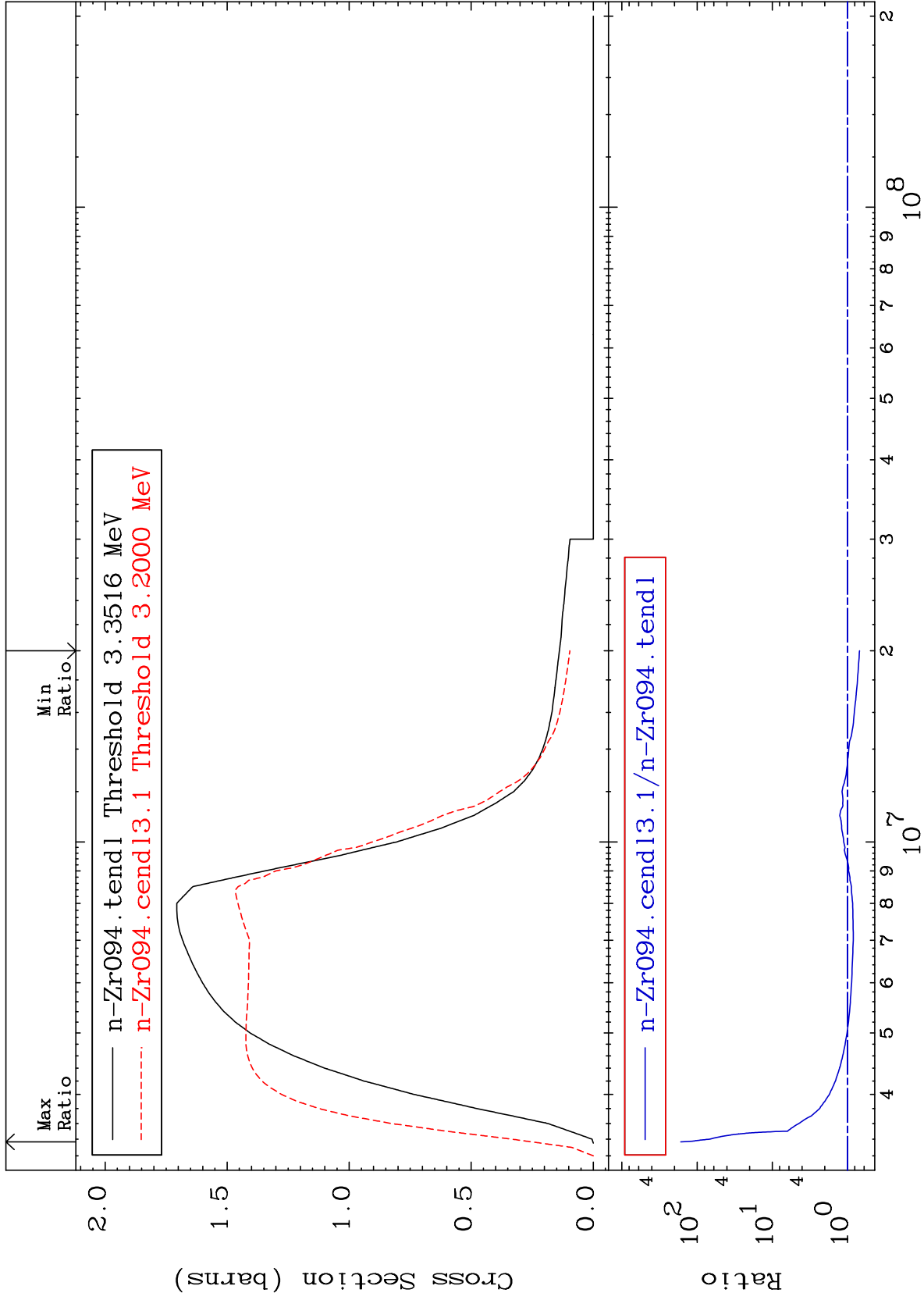
40-Zr-94  
-21.32 To 6996. %



MAT 4037

(n, n') Continuum  
Cross Section

40-Zr-94  
-30.99 To 9999. %



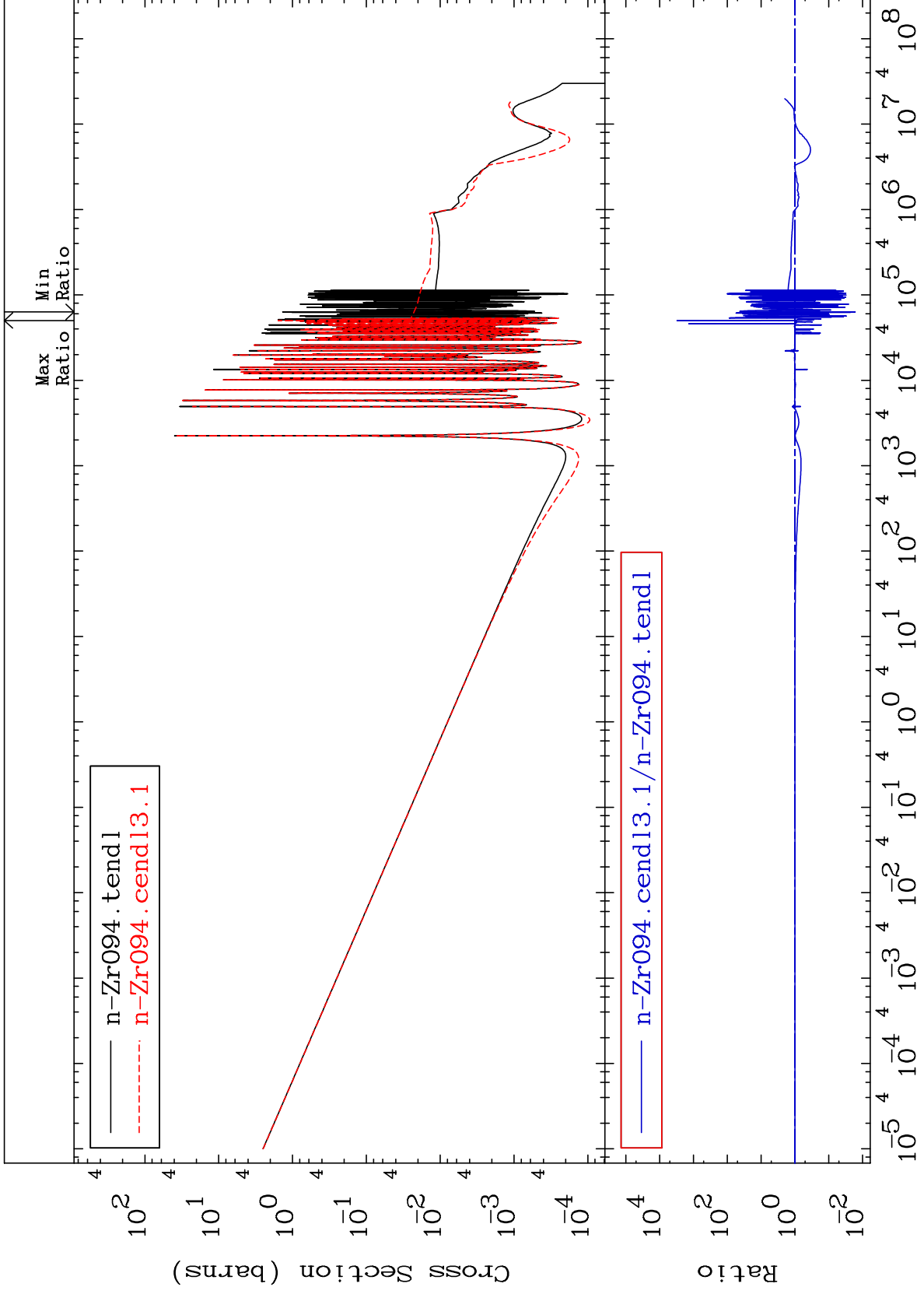


MAT 4037

(n,  $\gamma$ )

Cross Section

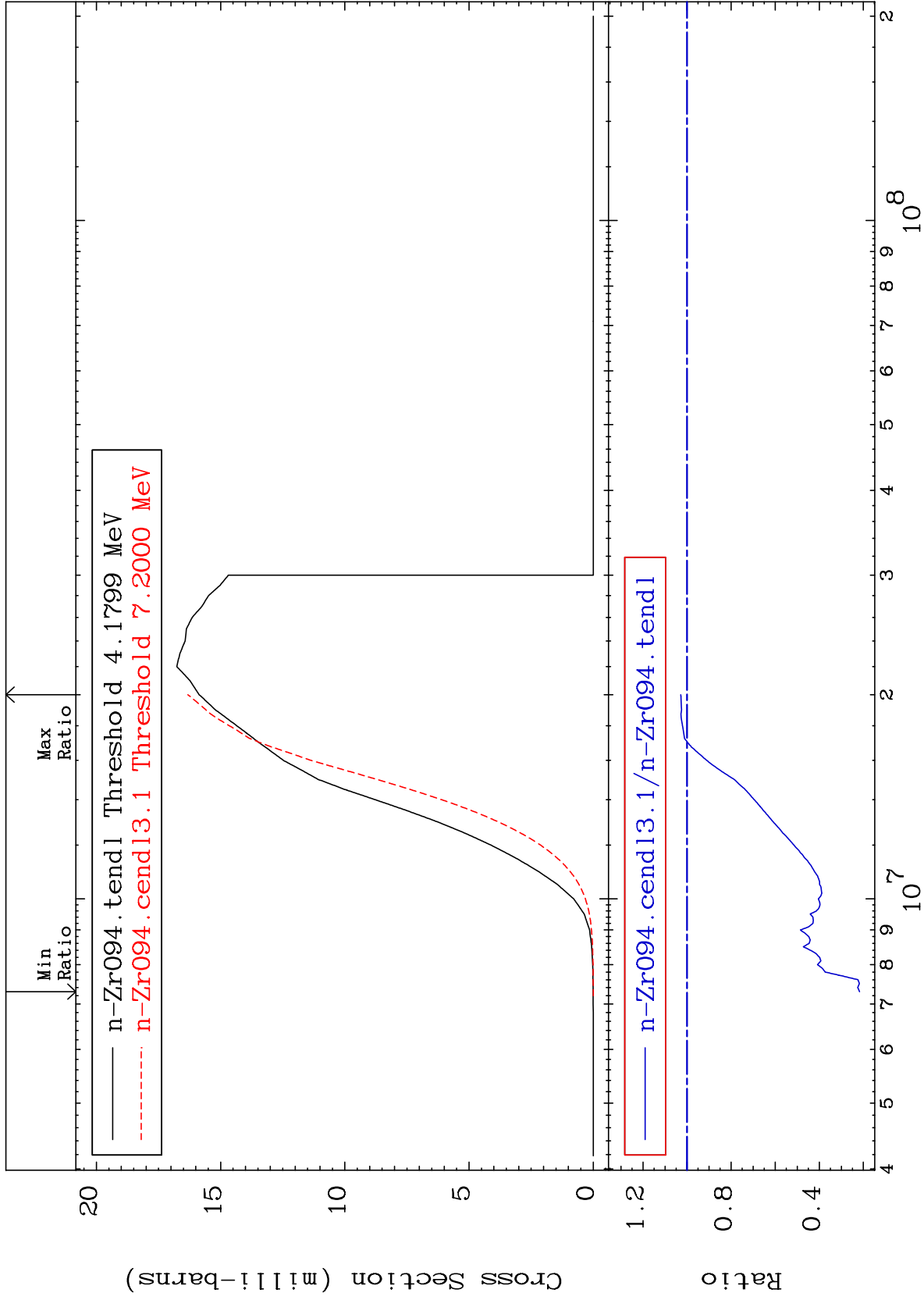
40-Zr-94  
-98.34 To 9999. %



MAT 4037

40-Zr-94

(n,p)  
Cross Section  
-78.26 To 2.859 %



26

40-Zr-94

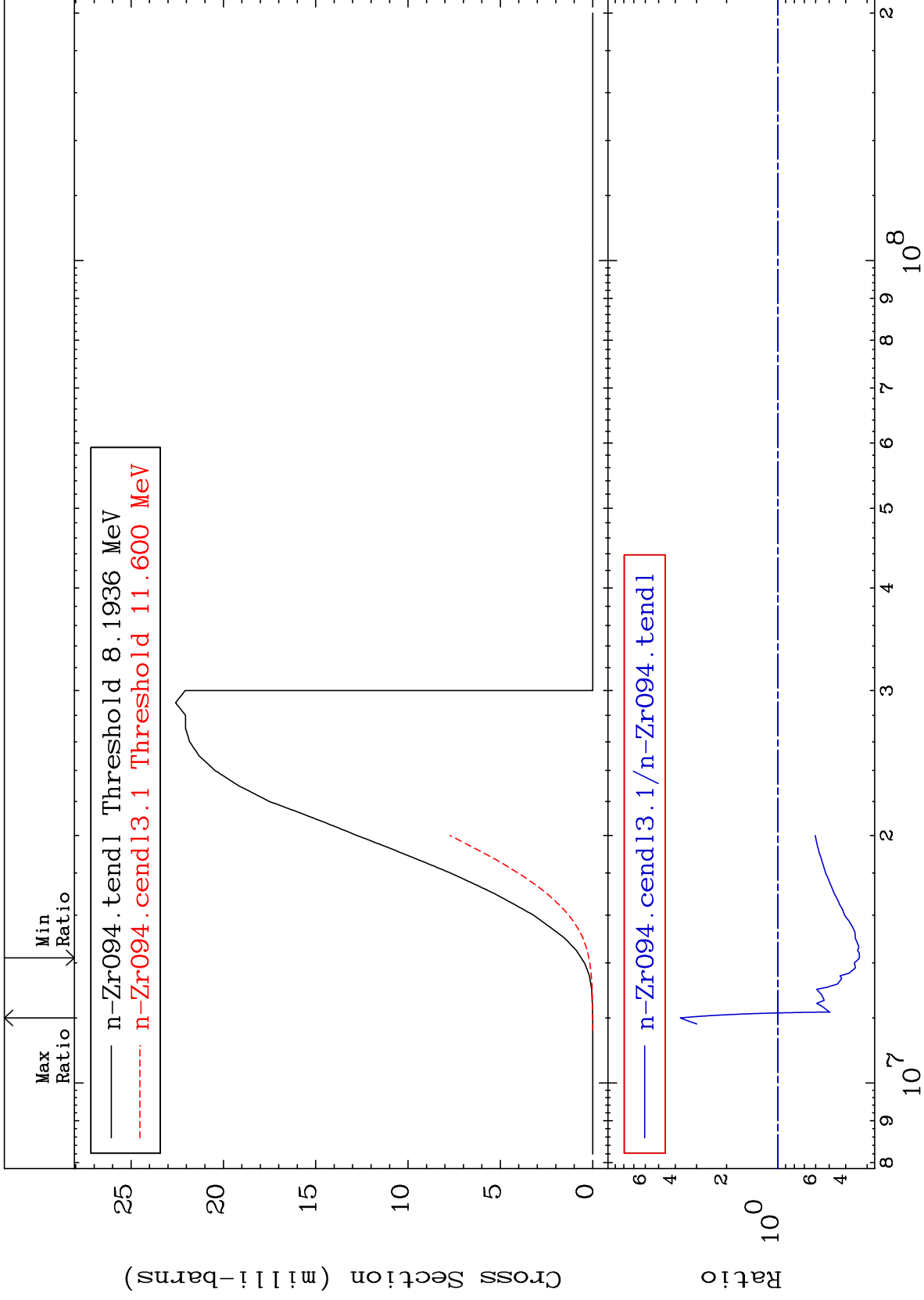
MAT 4037

(n, d)

40-Zr-94

Cross Section

-66.75 To 273.2 %



27

40-Zr-94

40-Zr-94

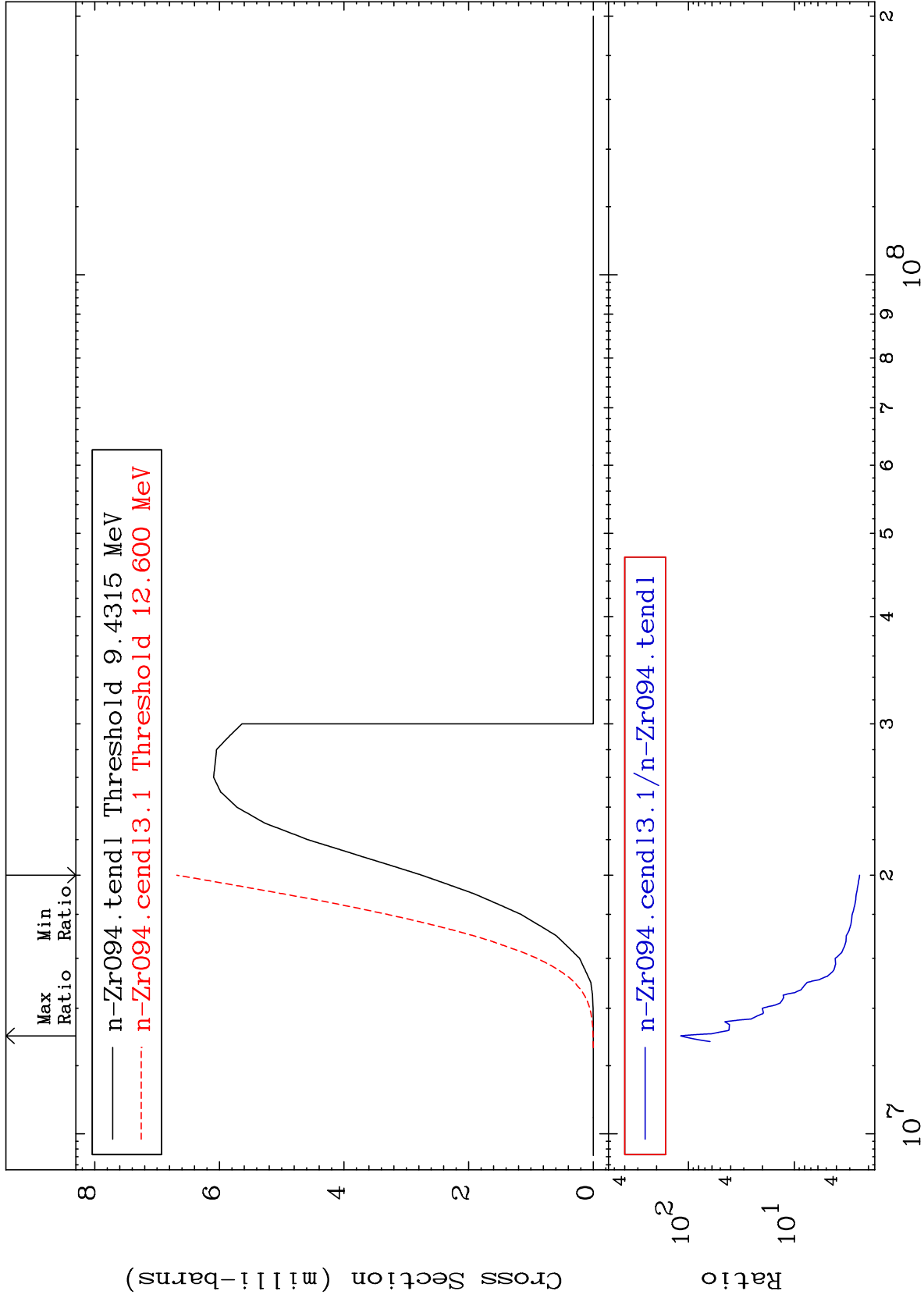
MAT 4037

(n, t)

40-Zr-94

Cross Section

142.6 To 9999. %



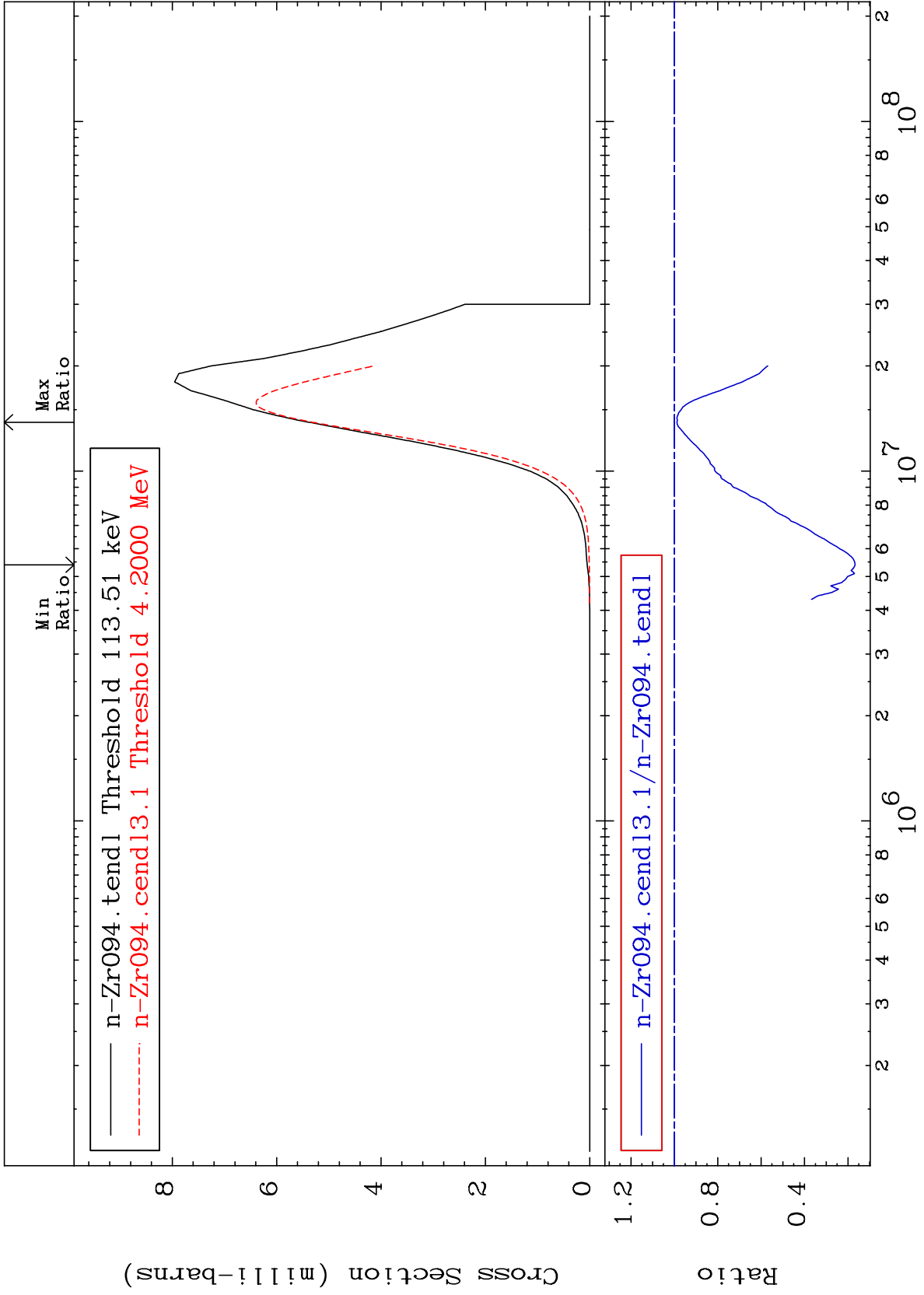
28

Incident Energy (eV)

40-Zr-94

MAT 4037

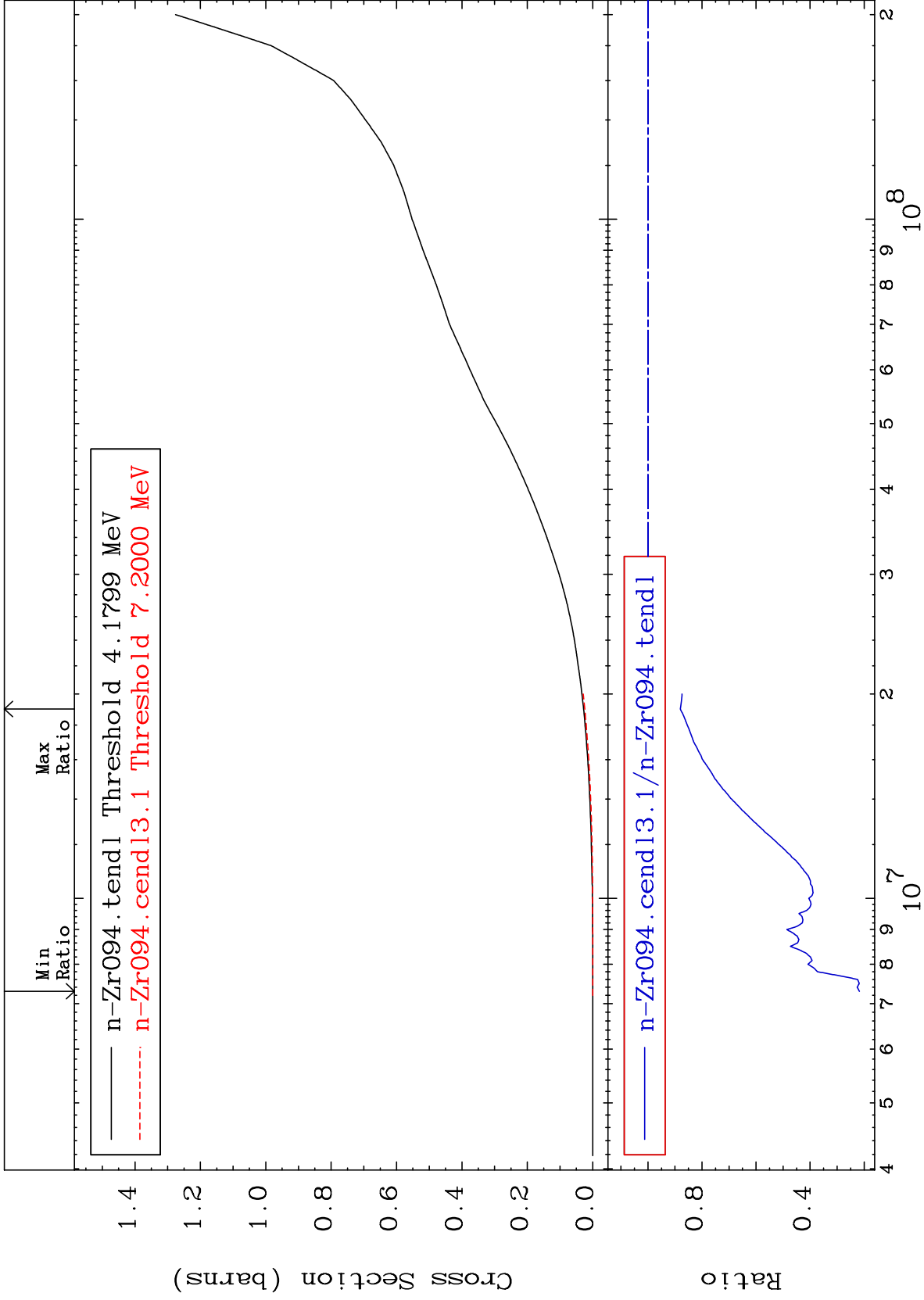
(n,  $\alpha$ )  
Cross Section  
40-Zr-94  
-83.30 To -1.191%



MAT 4037

Hydrogen Production  
Cross Section

40-Zr-94  
-78.26 To -11.99%



30

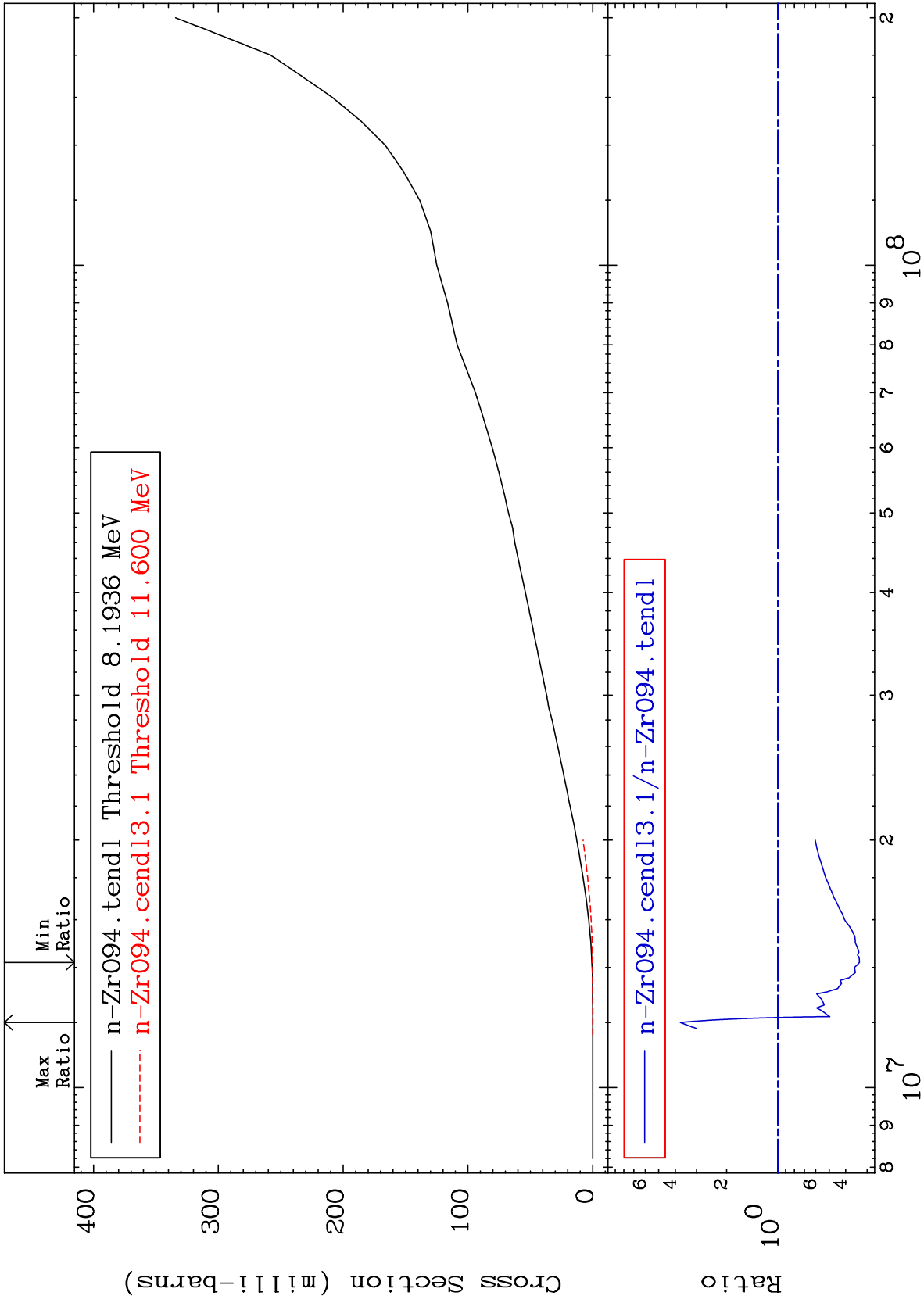
Incident Energy (eV)

40-Zr-94

MAT 4037

### Deuterium Production Cross Section

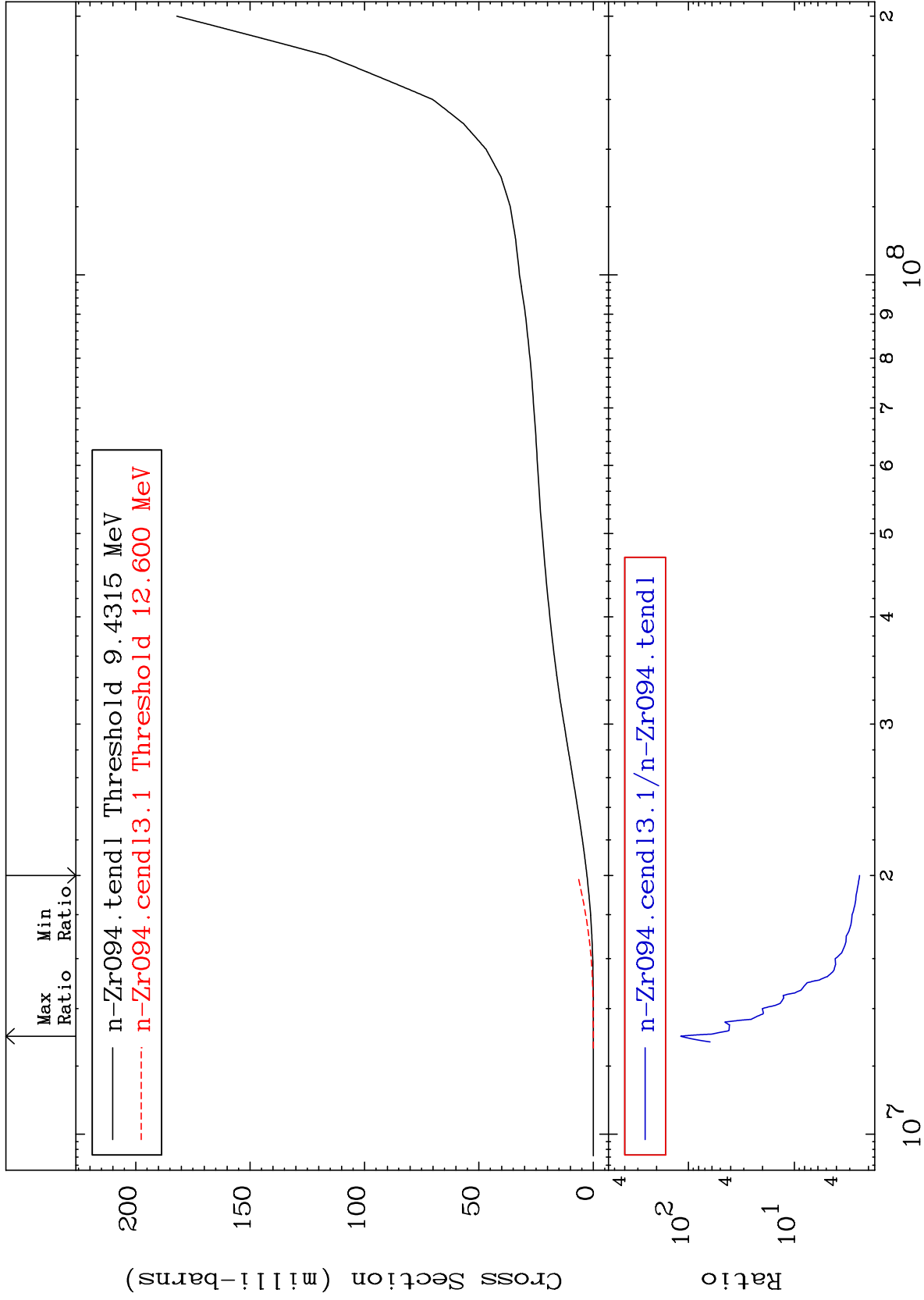
40-Zr-94  
-66.75 To 273.2 %



MAT 4037

Tritium Production  
Cross Section

40-Zr-94  
142.5 To 9999. %

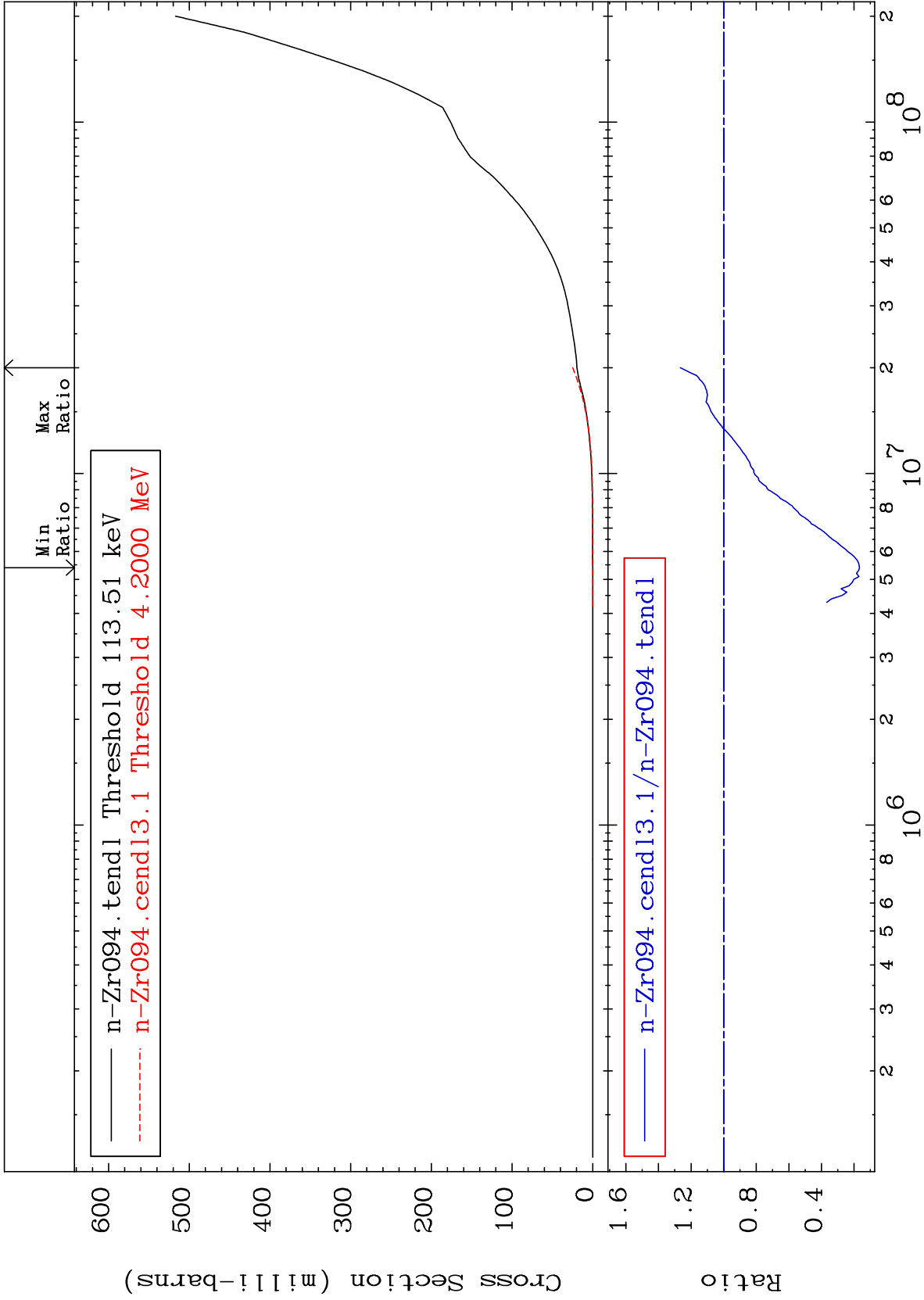


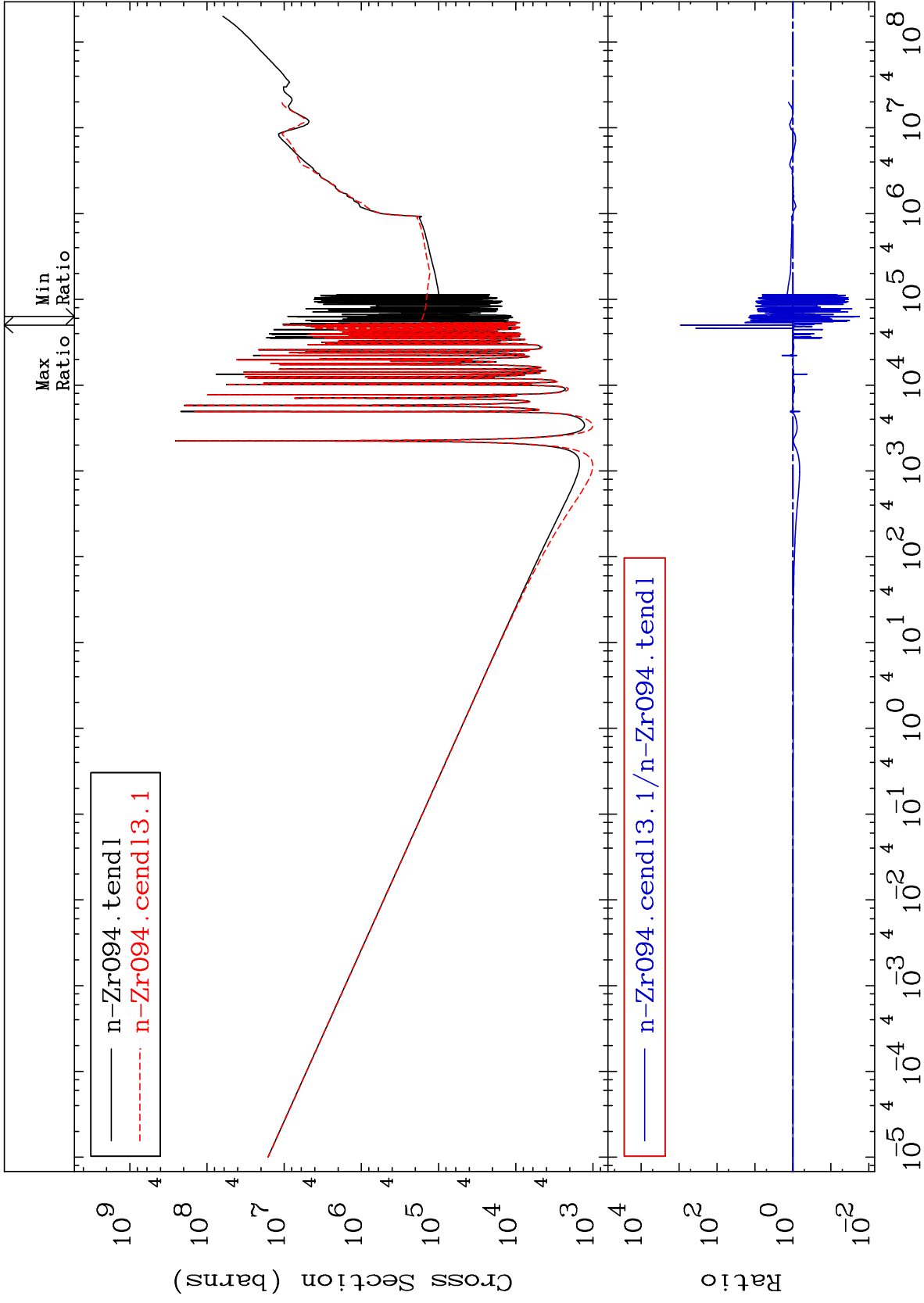
32

Incident Energy (eV)

40-Zr-94



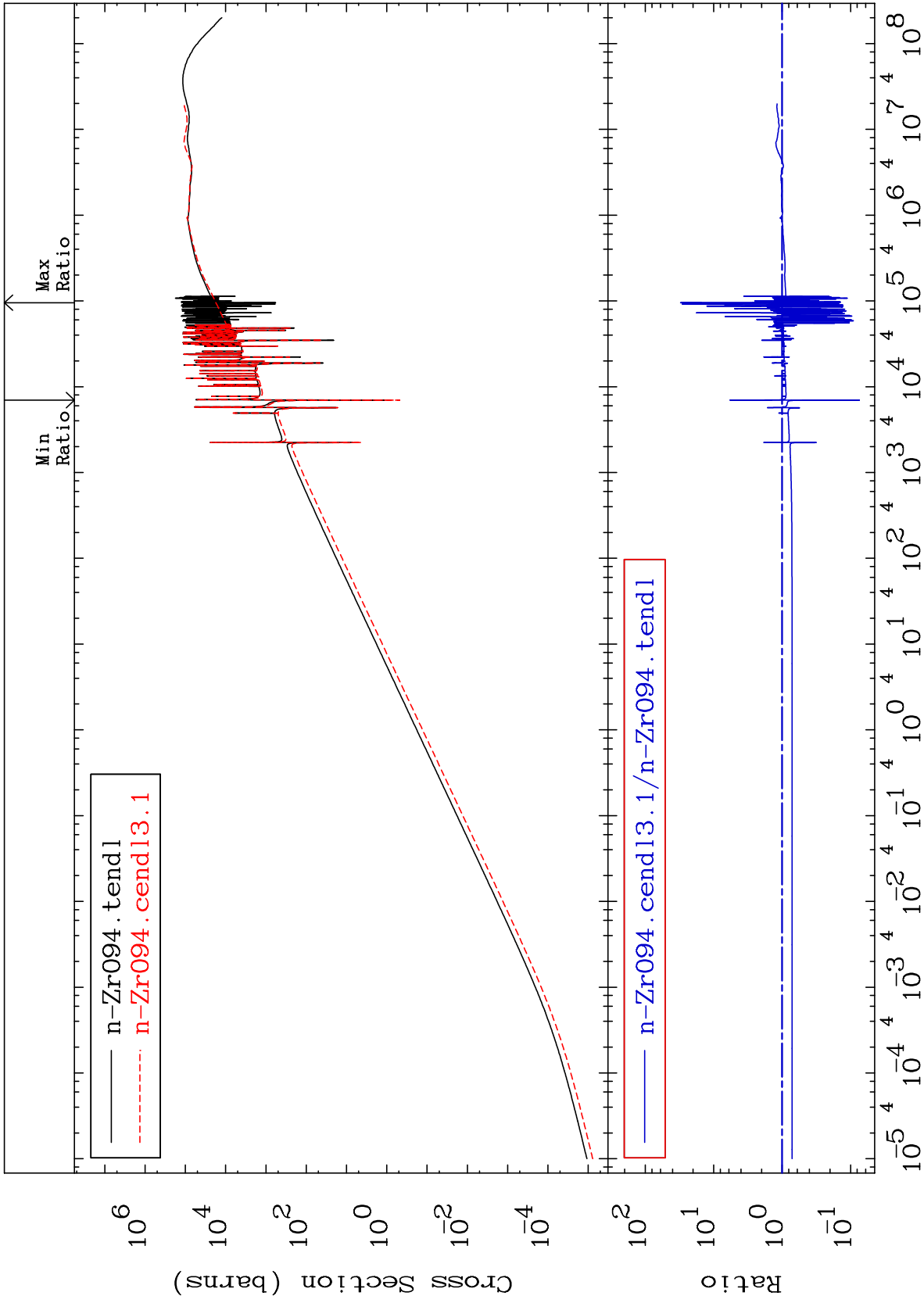


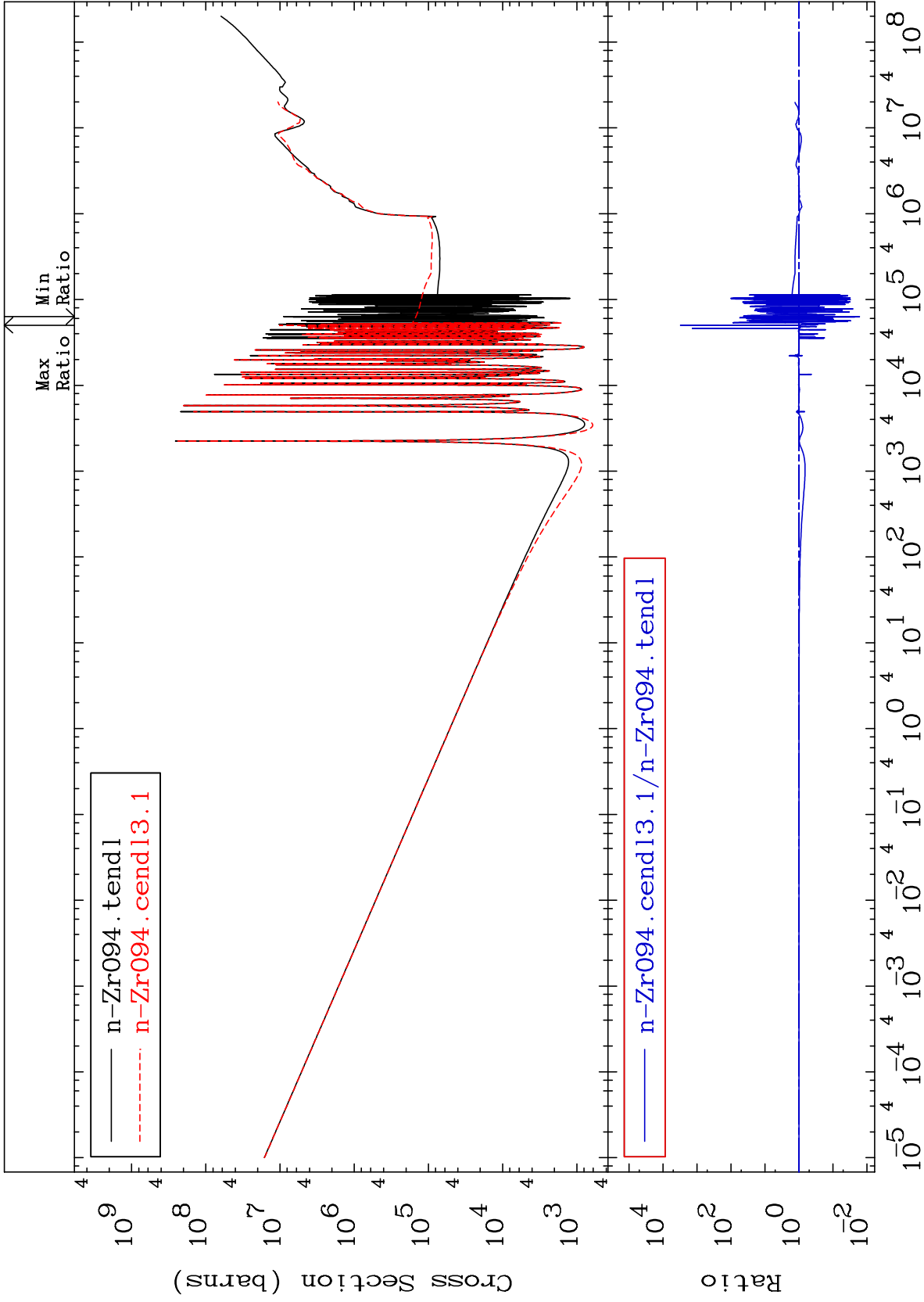


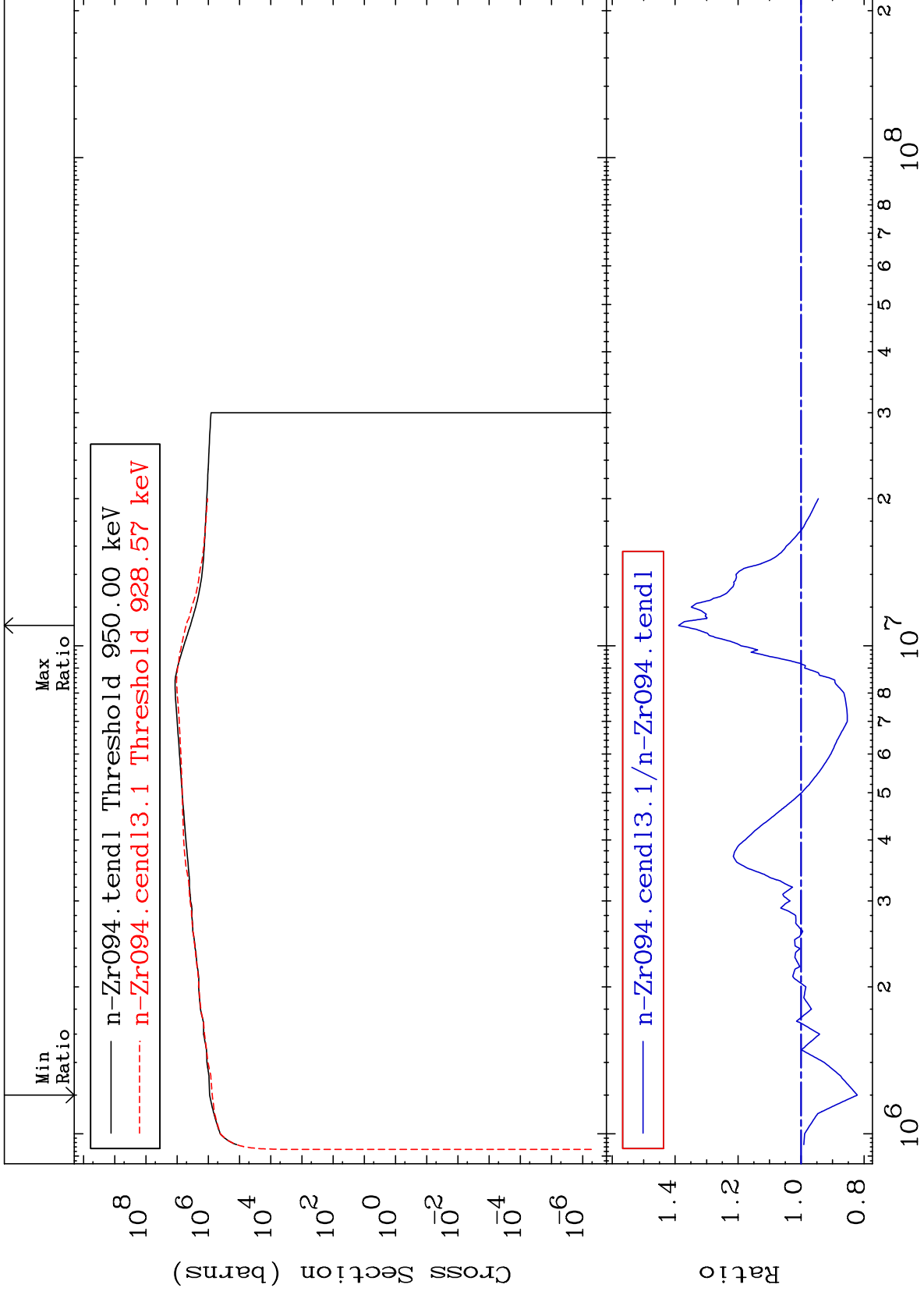
MAT 4037

Kerma elastic  
Cross Section

40-Zr-94  
-92.57 To 2972. %



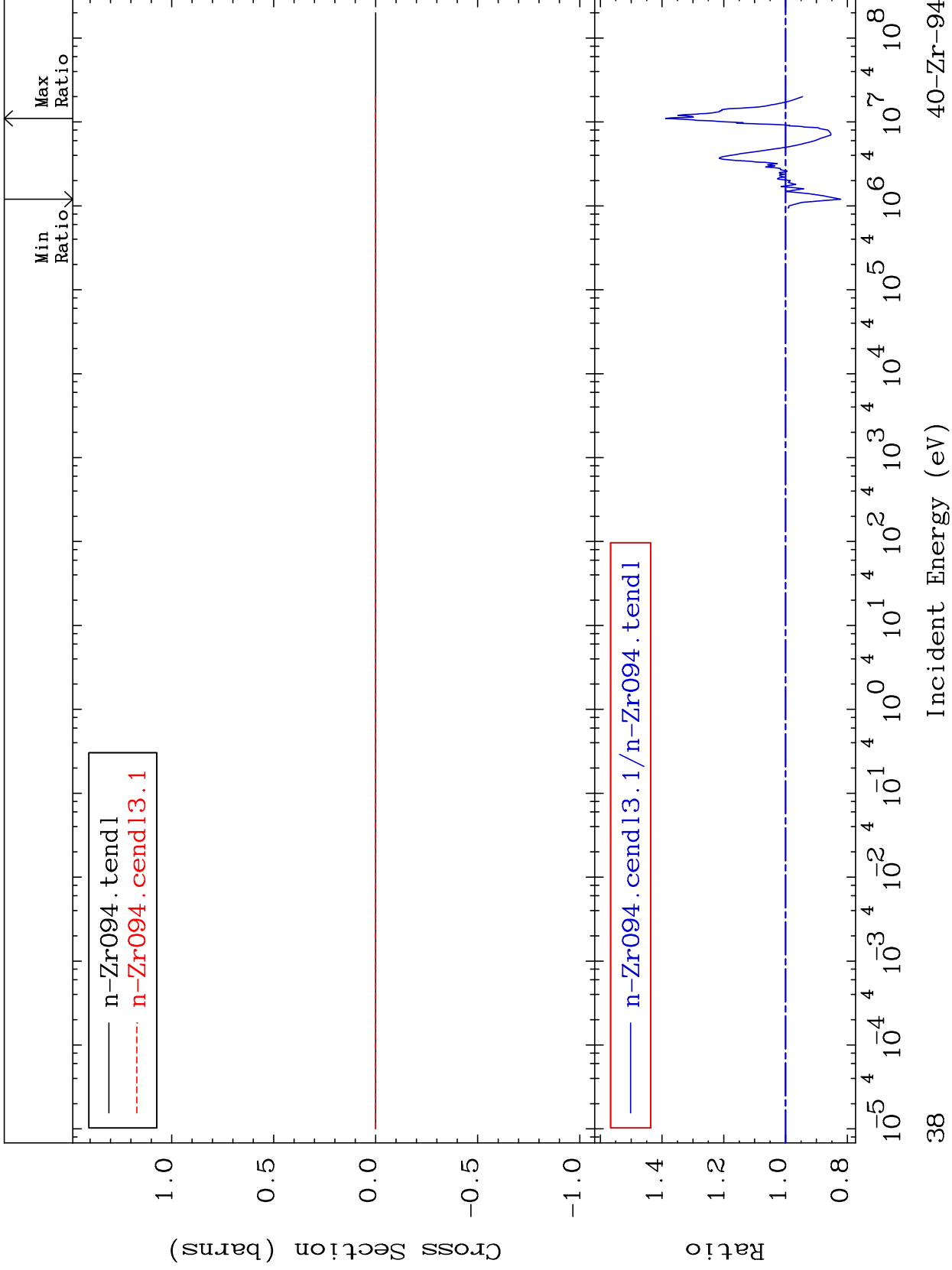




MAT 4037

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

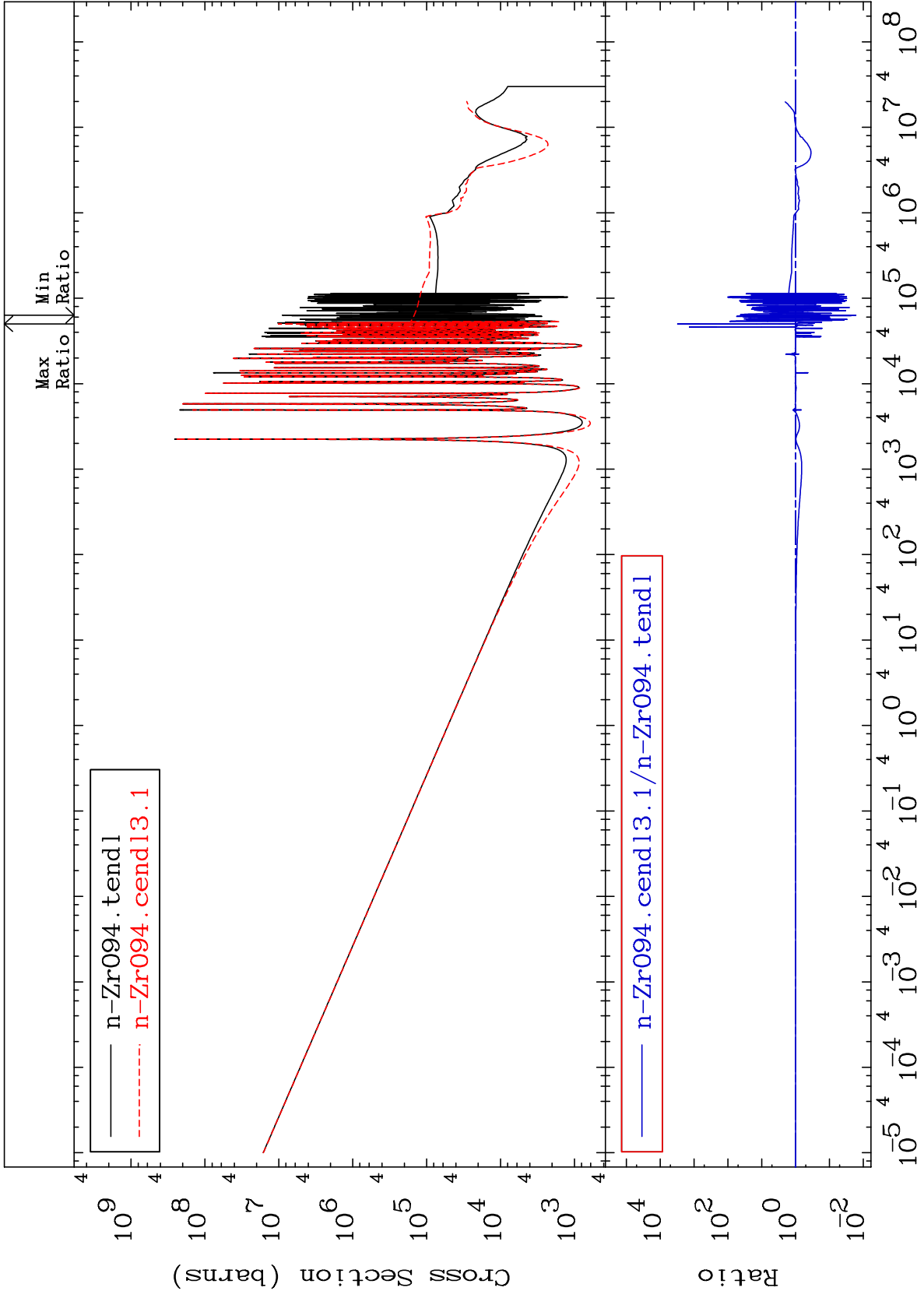
40-Zr-94  
-17.85 To 38.89 %



40-Zr-94

Incident Energy (eV)

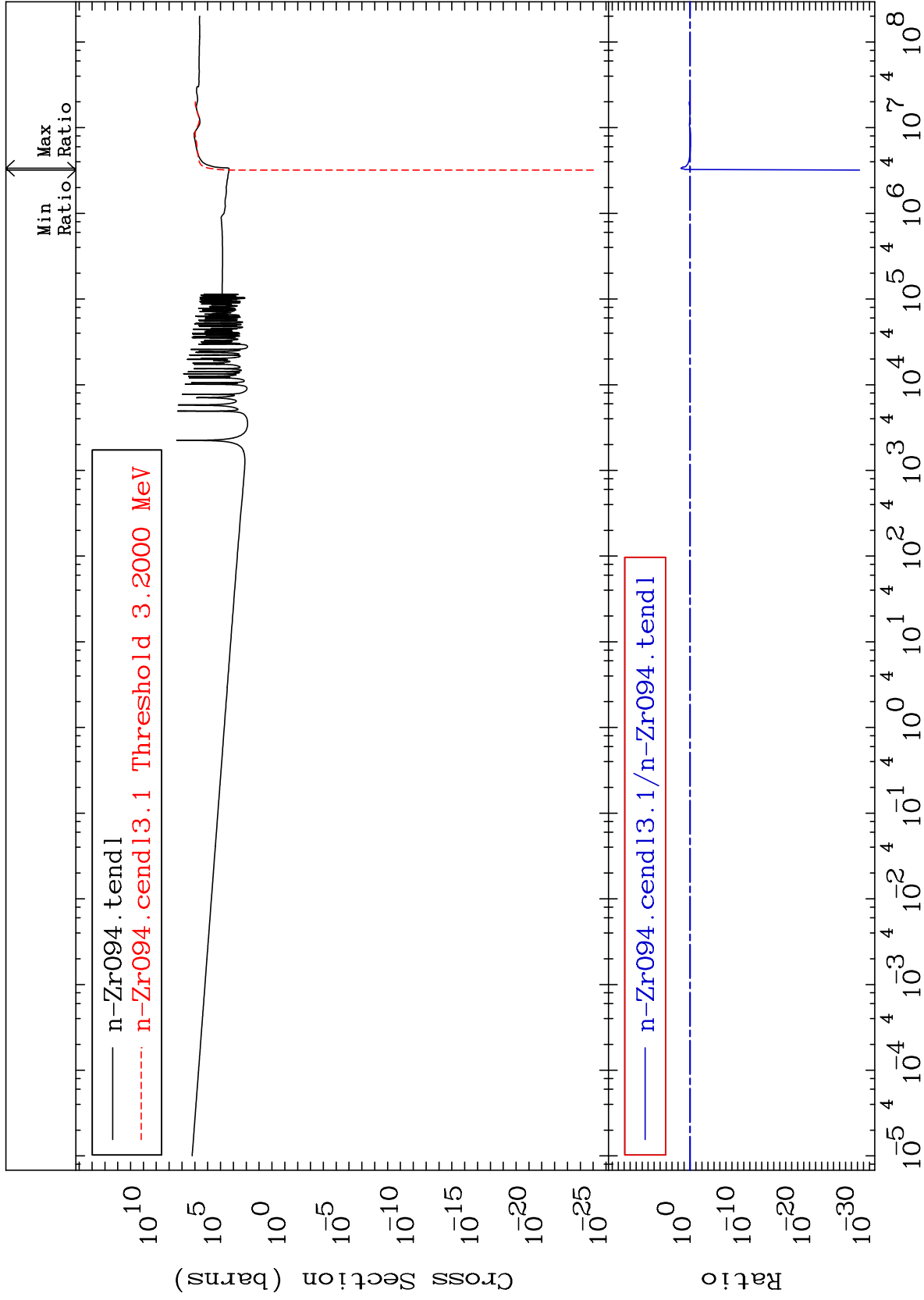
38



MAT 4037

Total photon (eV-barns)  
Cross Section

40-Zr-94  
-100.0 To 3403. %



Incident Energy (eV)

40-Zr-94

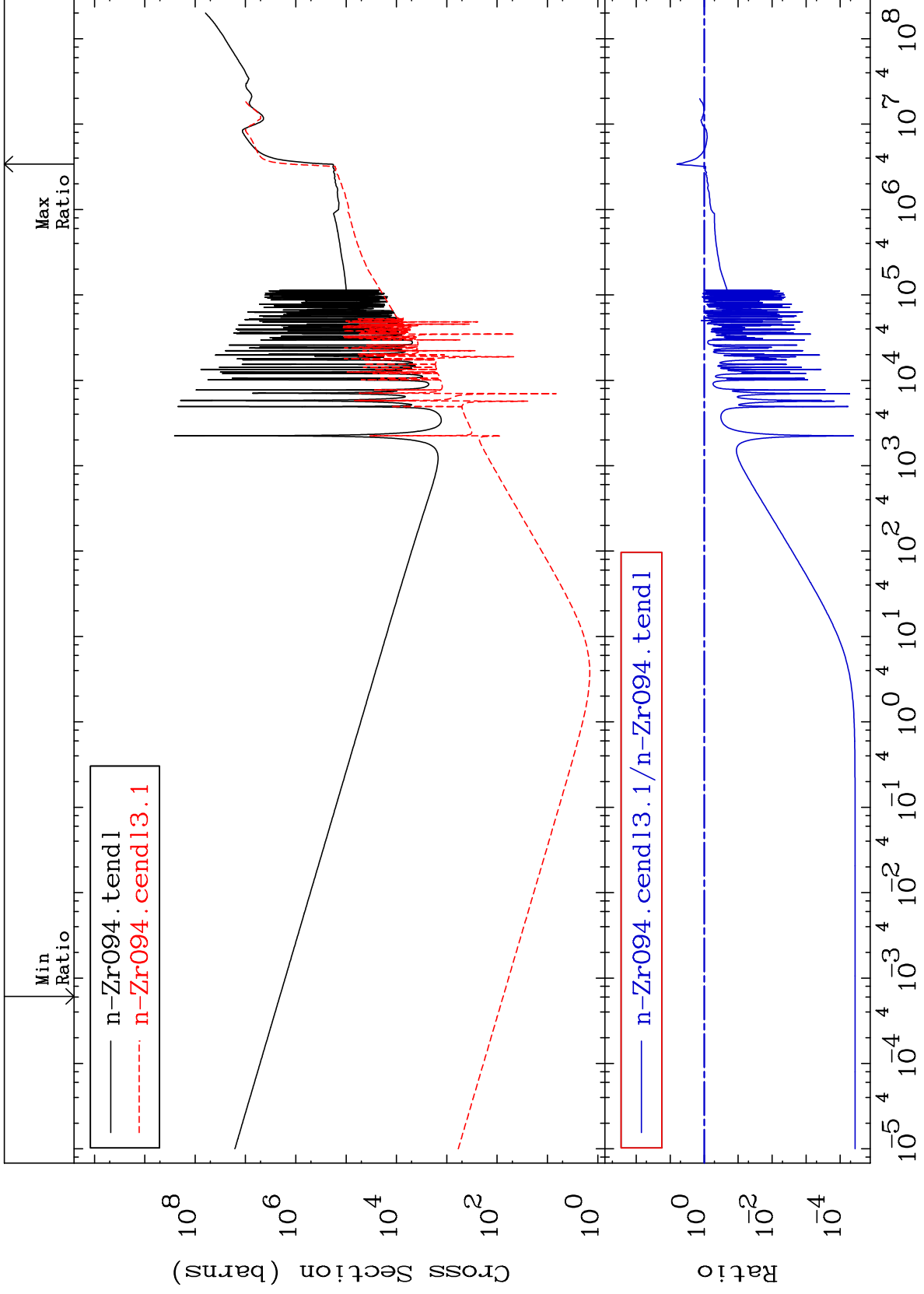
40



MAT 4037

Total kinematic kerma (high limit)  
Cross Section

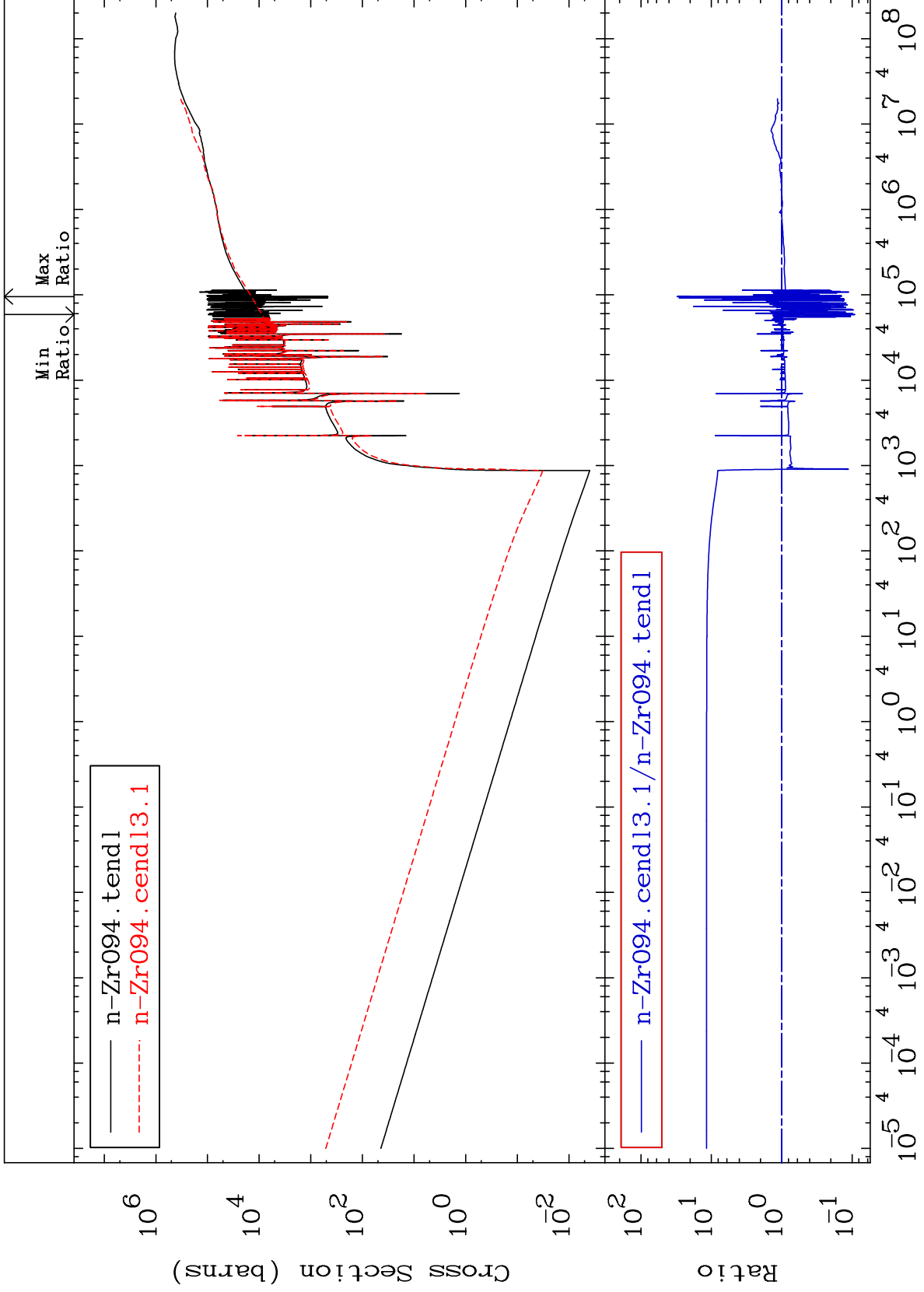
40-Zr-94  
-100.0 To 532.5 %



MAT 4037

Dpa total (eV-barns)  
Cross Section

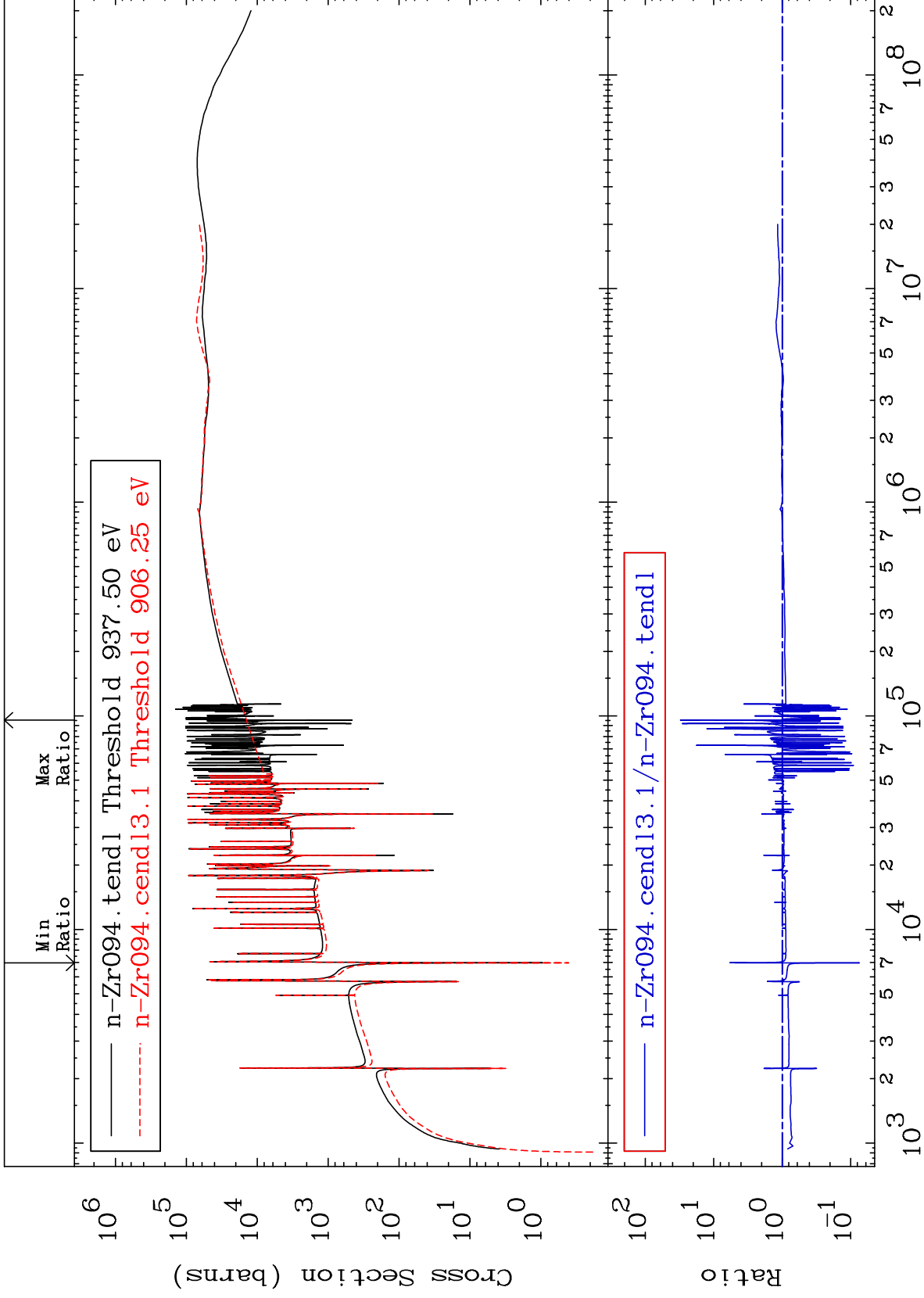
40-Zr-94  
-90.93 To 2979. %



MAT 4037

Dpa elastic (mt2)  
Cross Section

40-Zr-94  
-92.57 To 2977. %



43

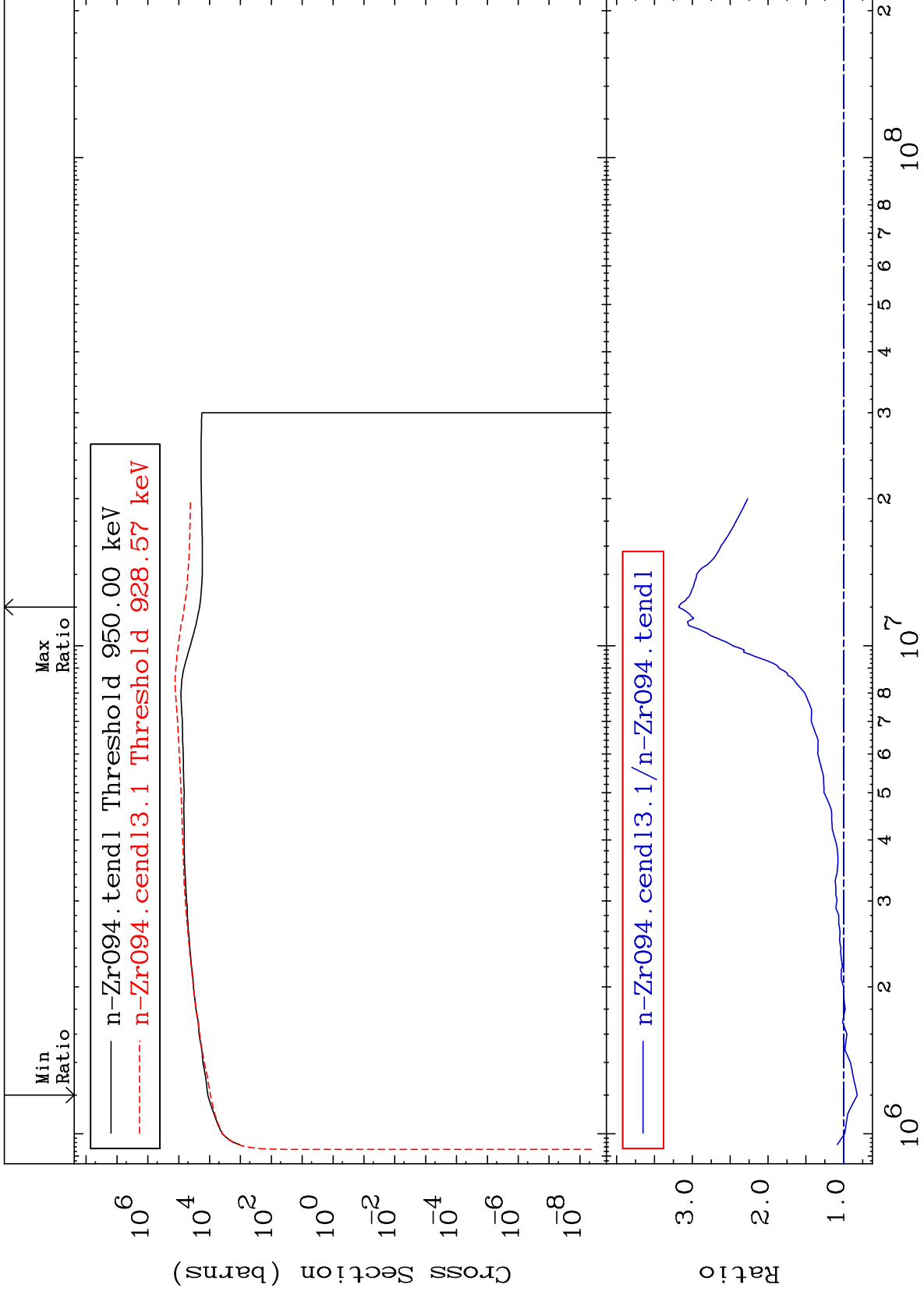
40-Zr-94

40-Zr-94

MAT 4037

Dpa inelastic (mt51-91)  
Cross Section

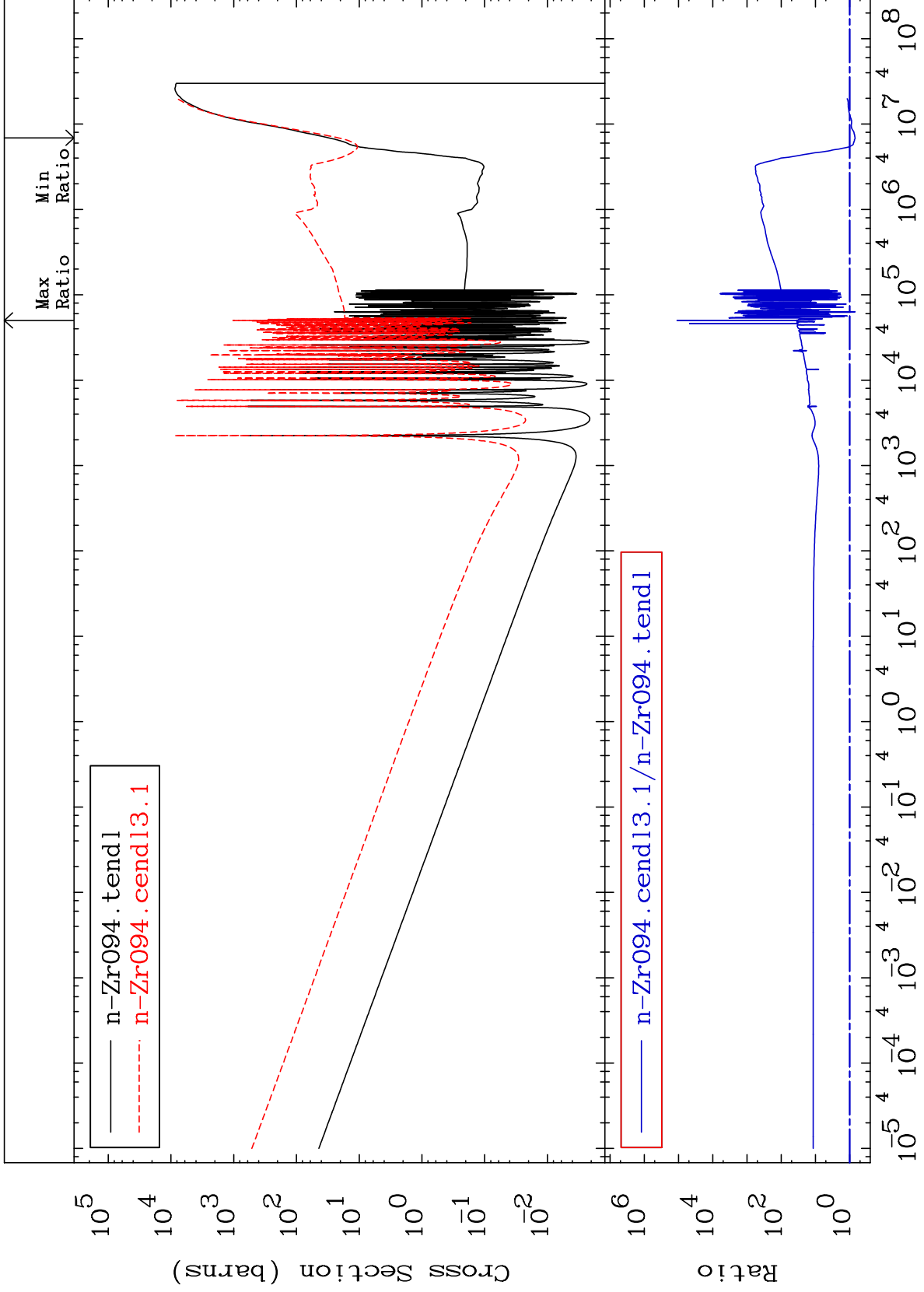
40-Zr-94  
-17.88 To 218.1 %



MAT 4037

Dpa disappearance (mt102 -120)  
Cross Section

40-Zr-94  
-30.55 To 9999. %



45

Incident Energy (eV)

40-Zr-94