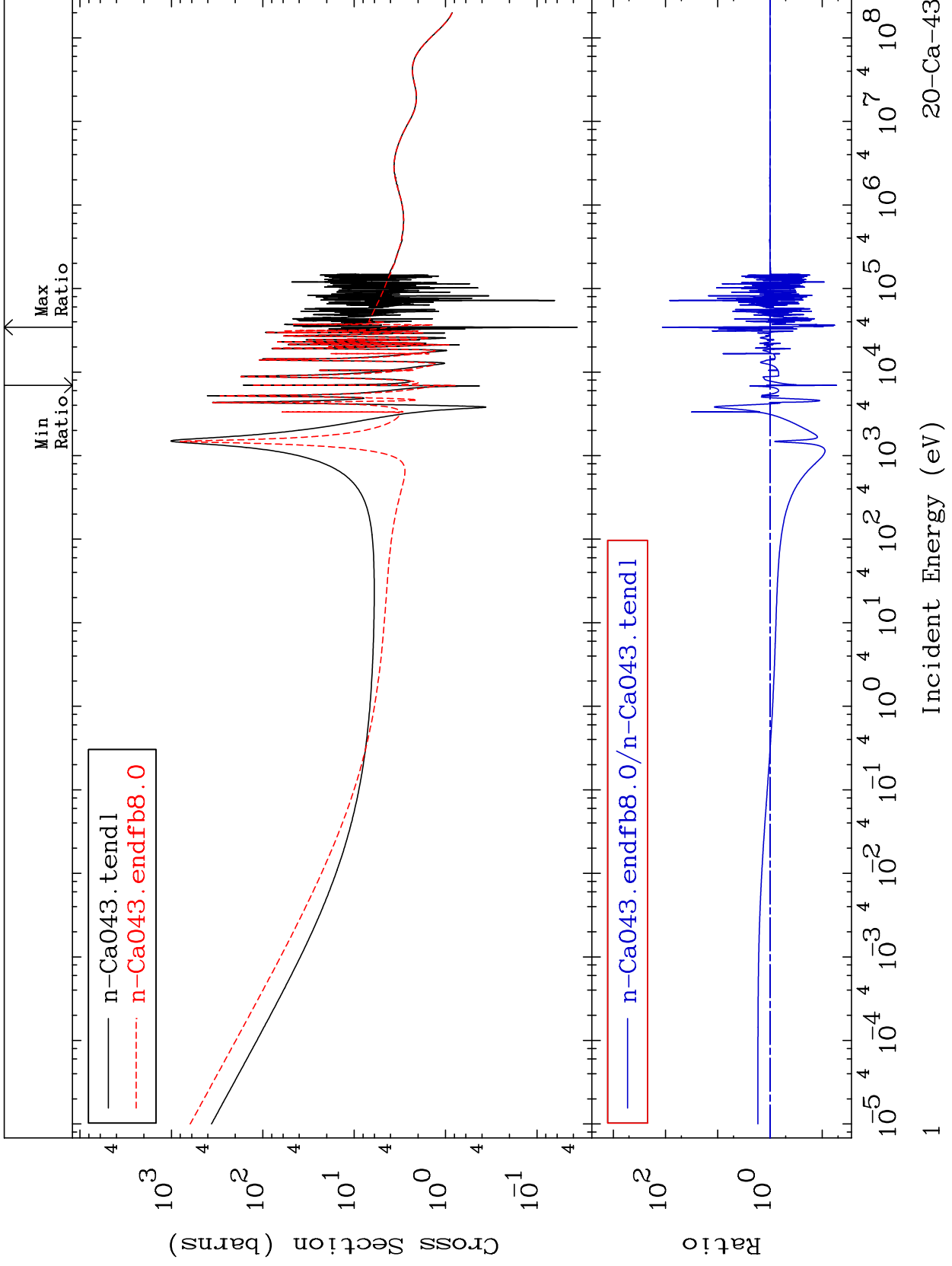


MAT 2034

Total  
Cross Section

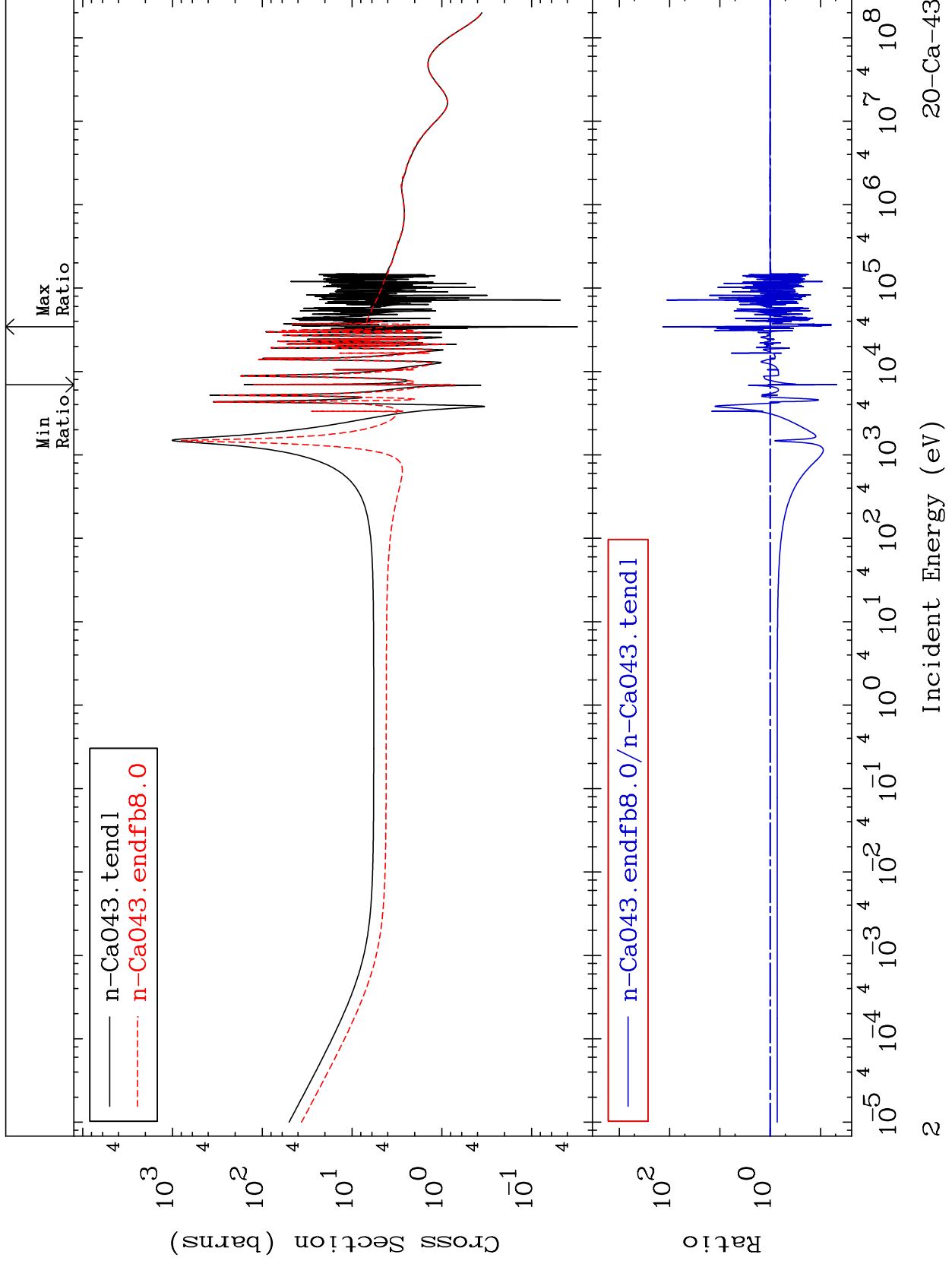
20-Ca-43  
-94.69 To 9999. %



MAT 2034

Elastic  
Cross Section

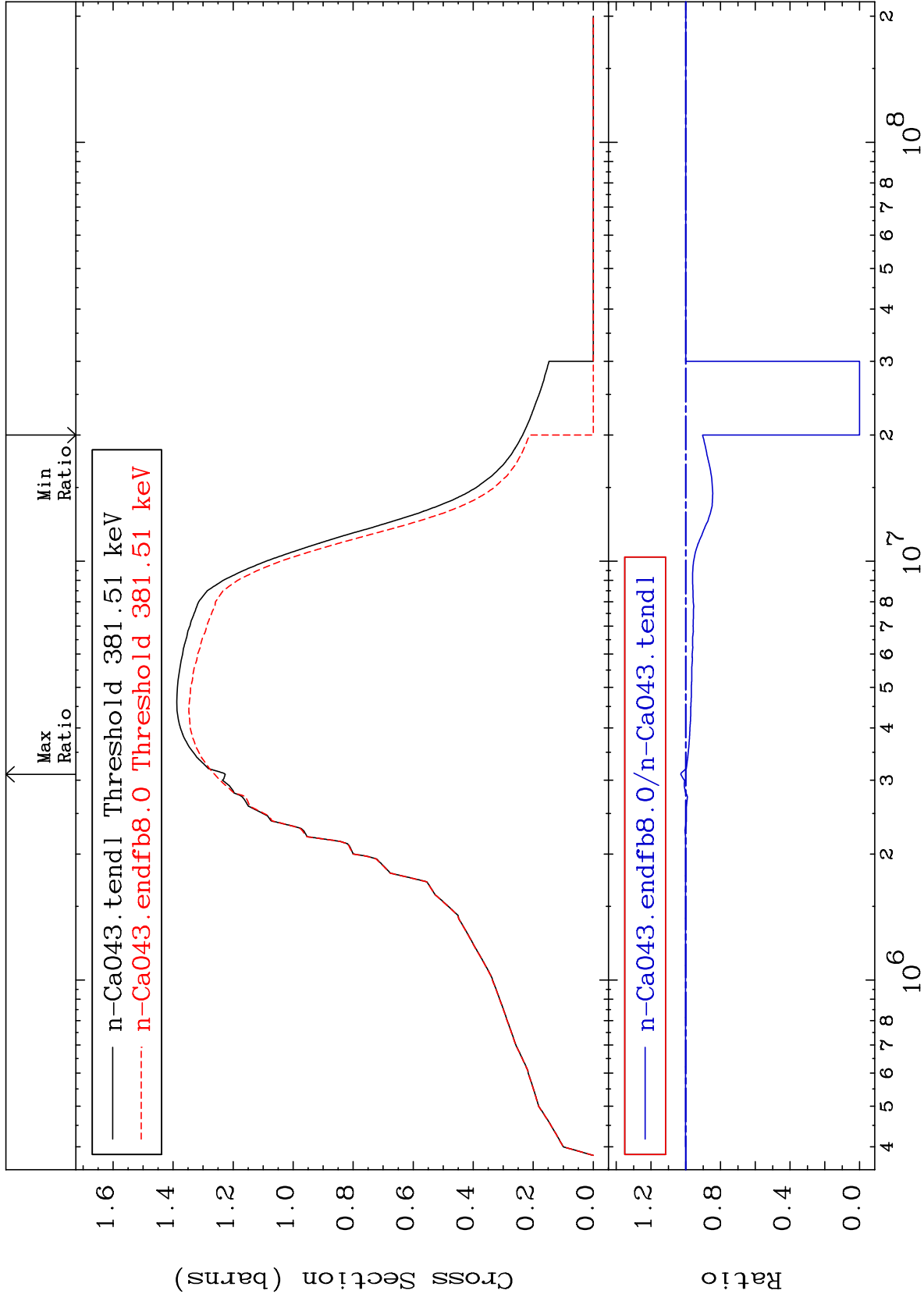
20-Ca-43  
-95.26 To 9999. %



MAT 2034

Inelastic  
Cross Section

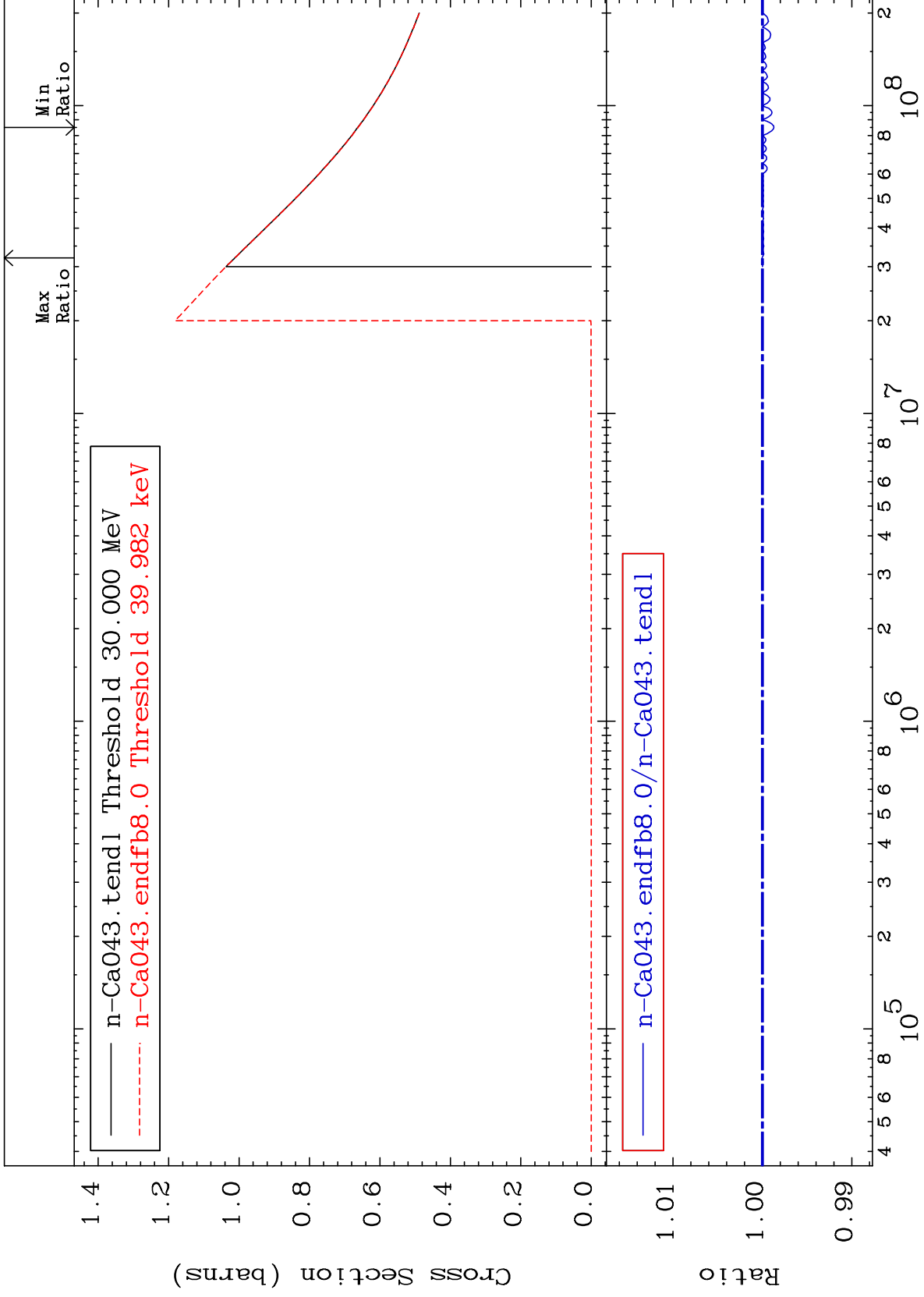
20-Ca-43  
-100.0 To 2.889 %



MAT 2034

(n, remainder)  
Cross Section

20-Ca-43  
-0.129 To 0.005 %



4

Incident Energy (eV)

20-Ca-43

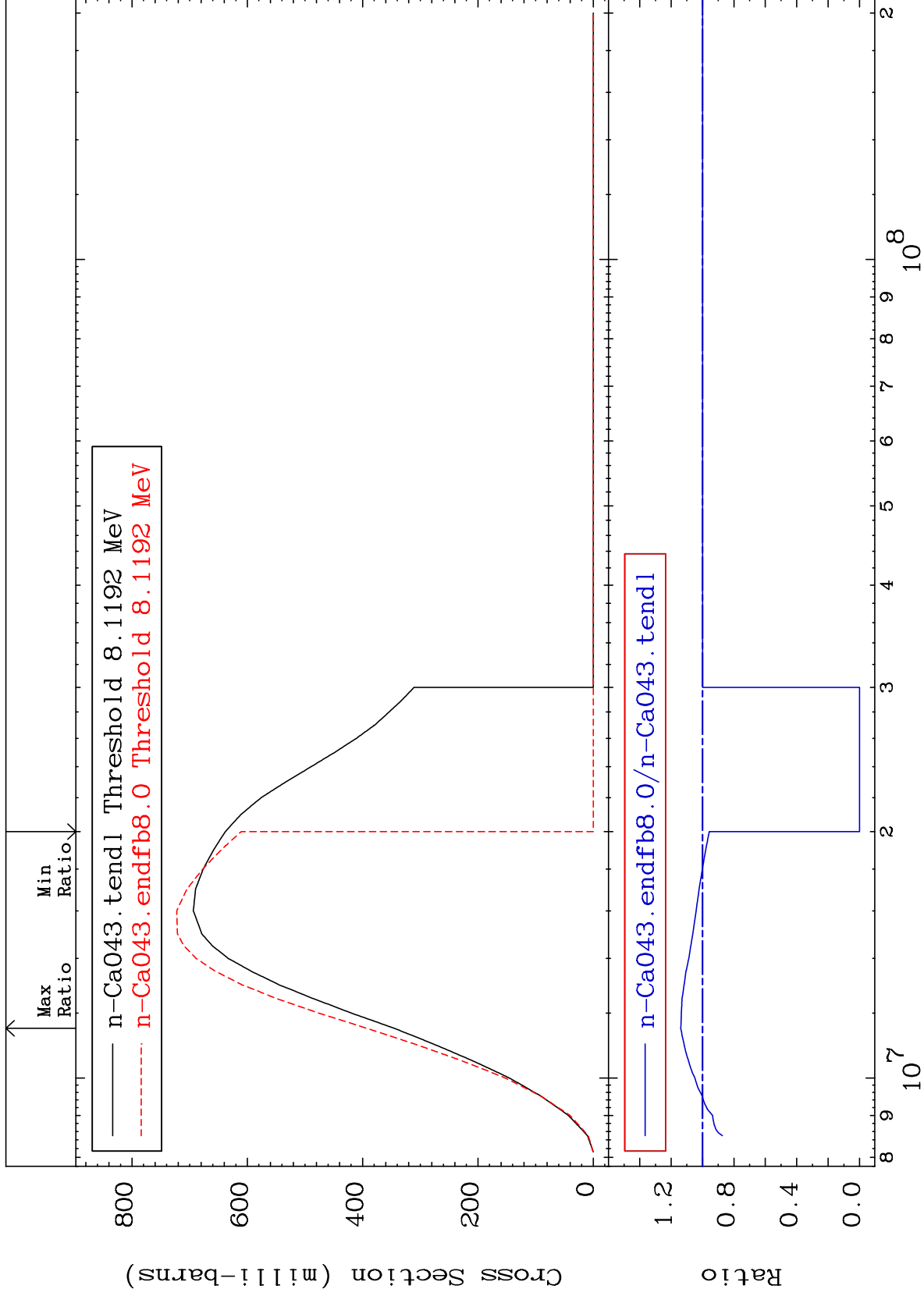
MAT 2034

(n,2n)

20-Ca-43

Cross Section

-100.0 To 13.87 %



Incident Energy (eV)

20-Ca-43

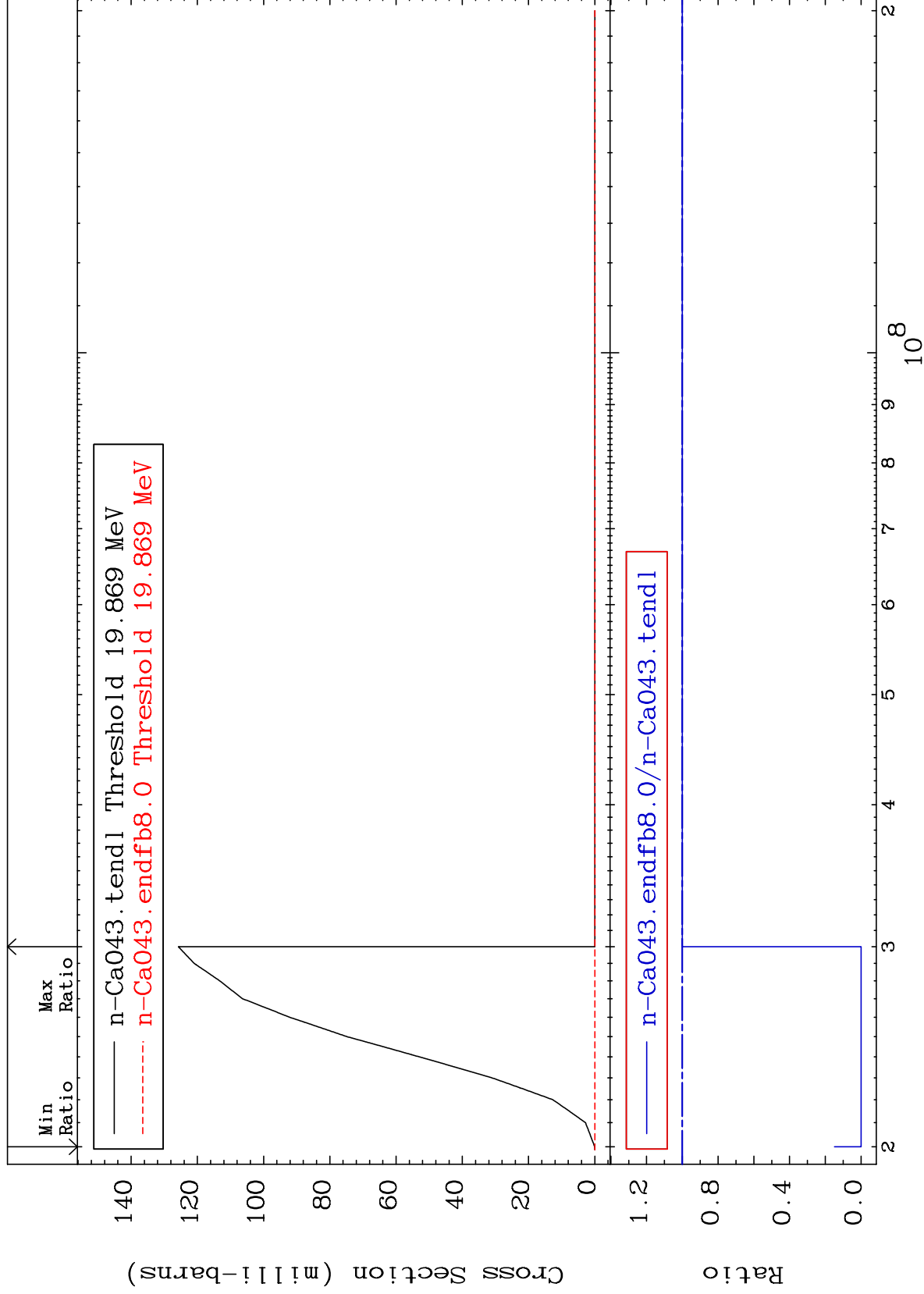
MAT 2034

(n,3n)

20-Ca-43

Cross Section

-100.0 To 0.000 %



6

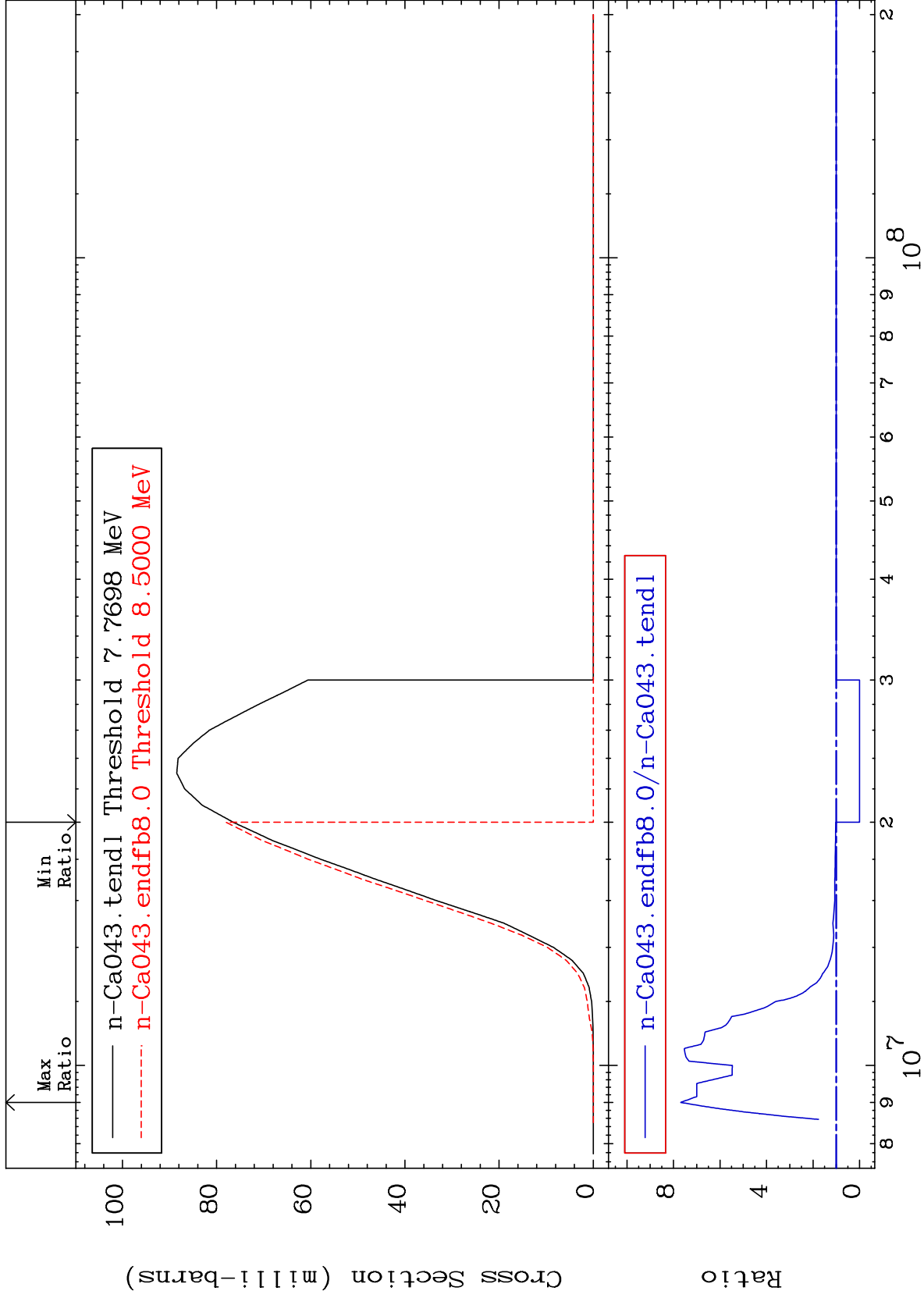
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 668.6 %



7

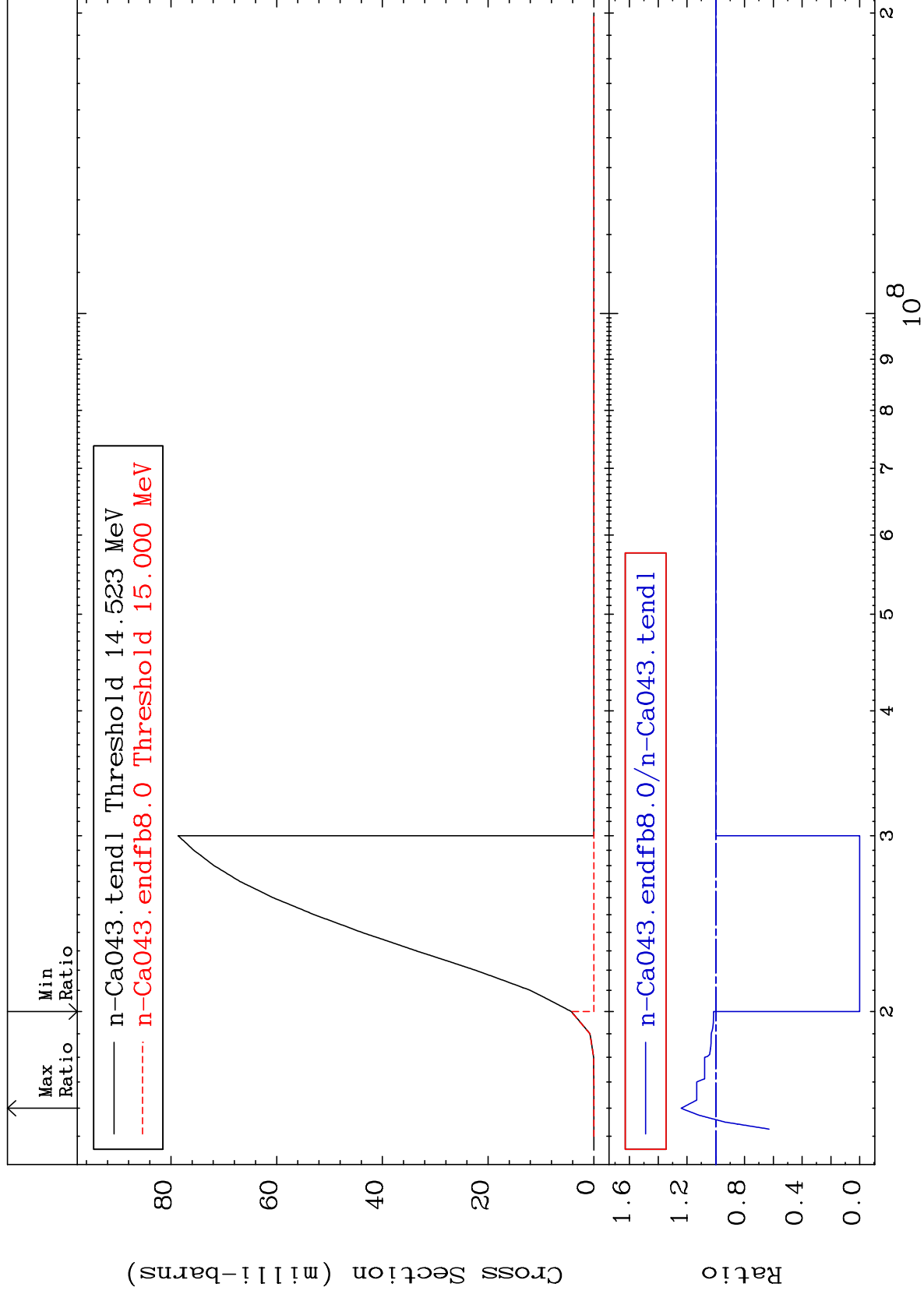
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 24.05 %



8

Incident Energy (eV)

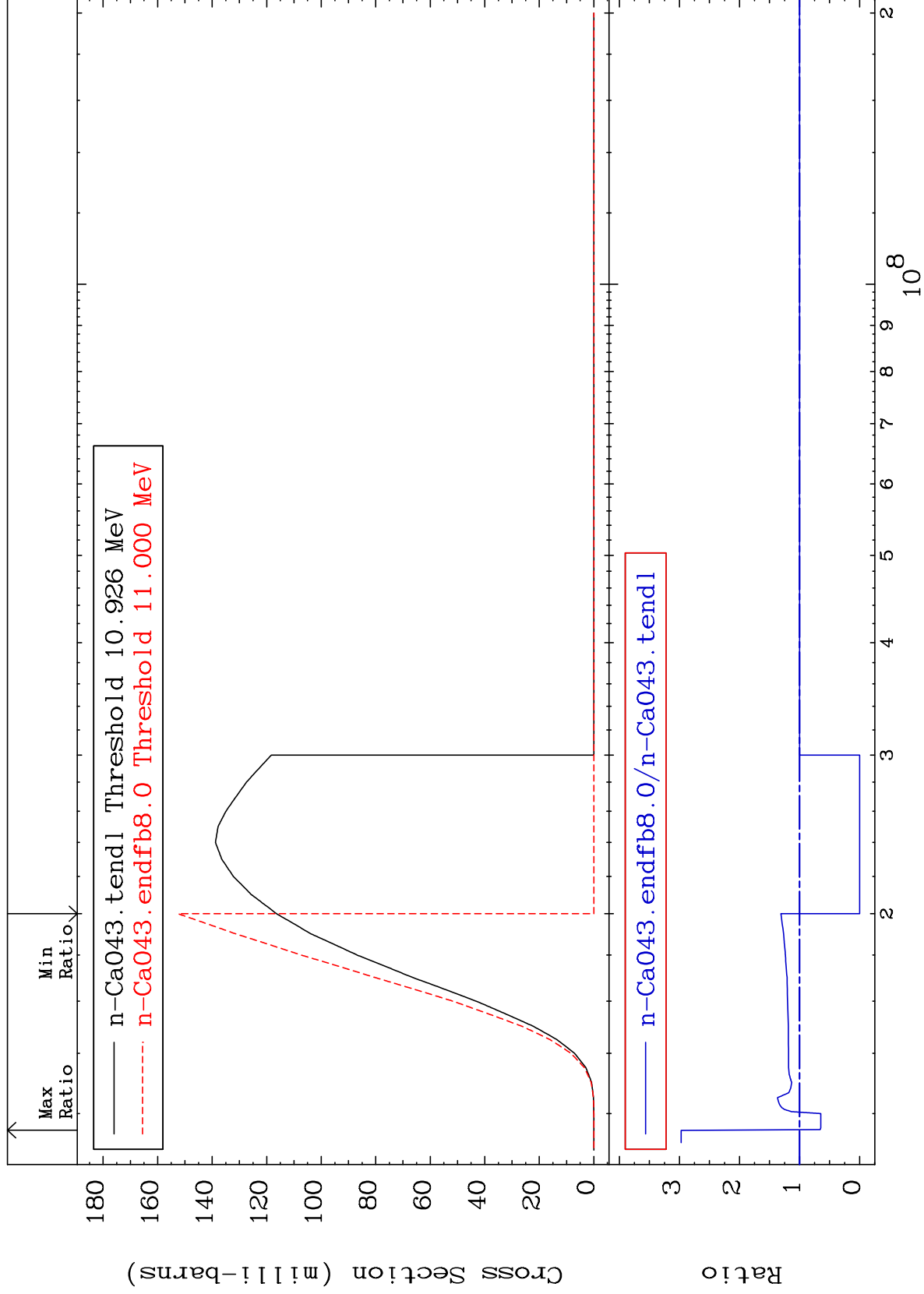
20-Ca-43



MAT 2034

(n,n') p  
Cross Section

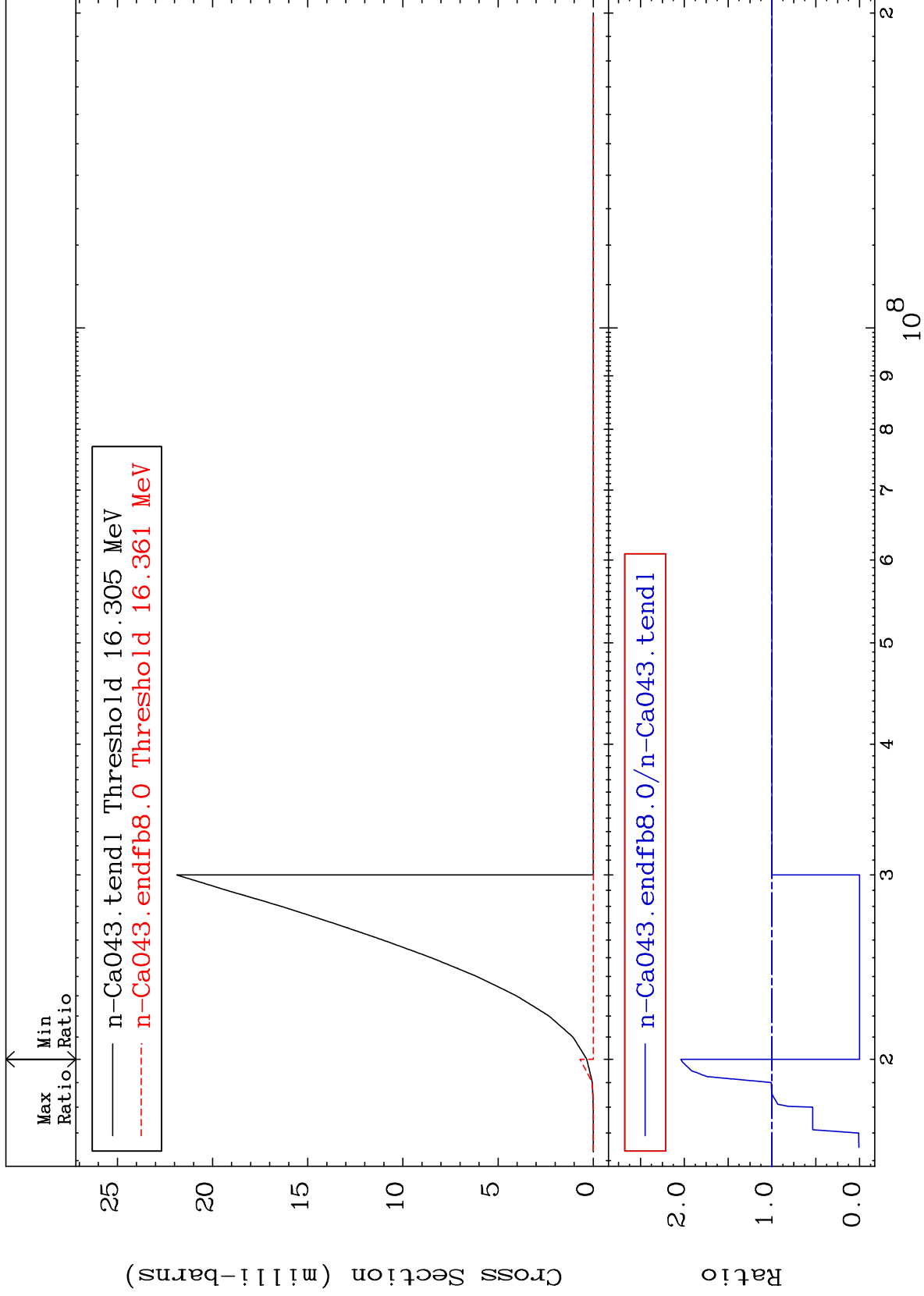
20-Ca-43  
-100.0 To 197.1 %



MAT 2034

(n,n') d  
Cross Section

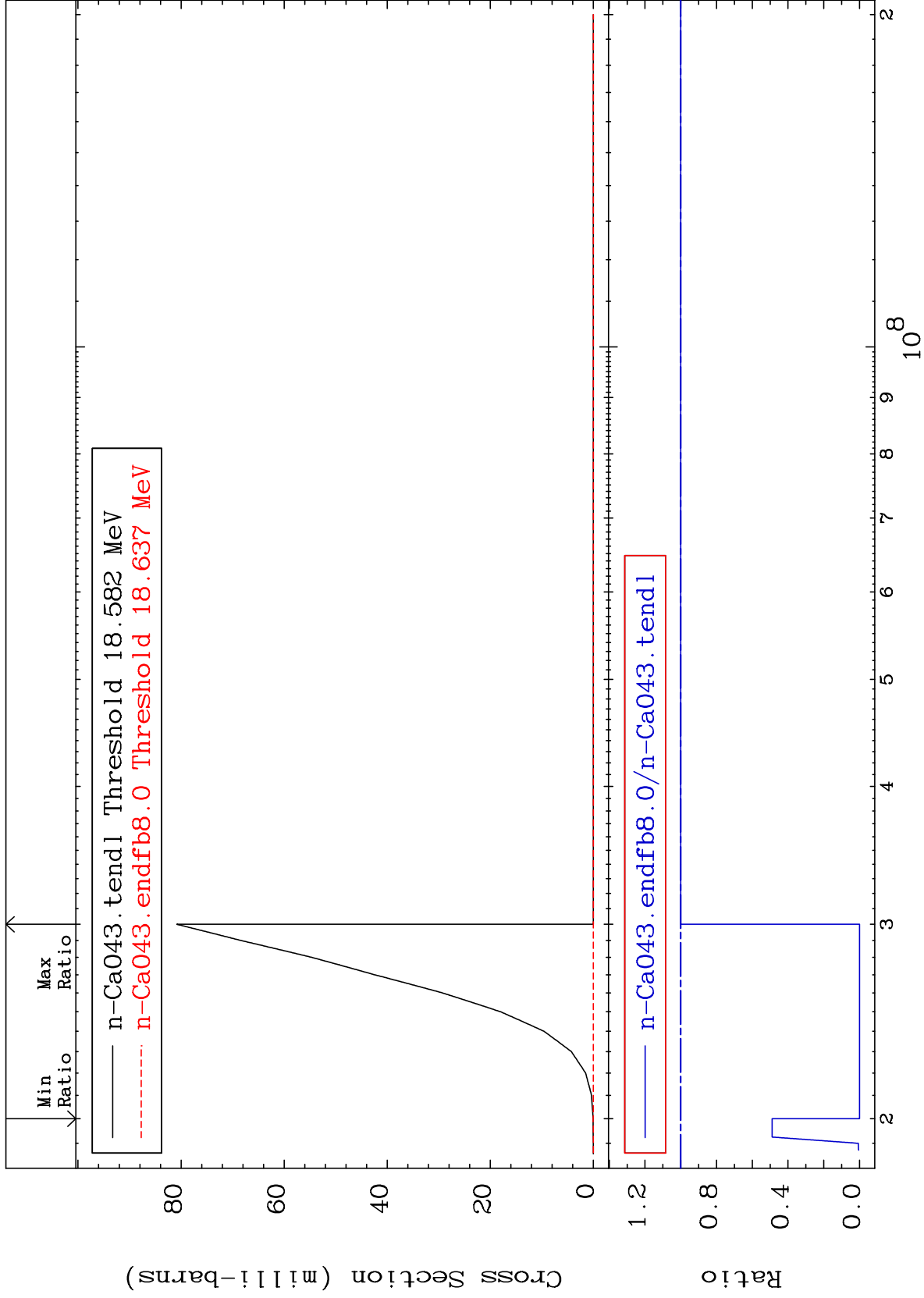
20-Ca-43  
-100.0 To 104.0 %



MAT 2034

(n,2n) p  
Cross Section

20-Ca-43  
-100.0 To 0.000 %



11

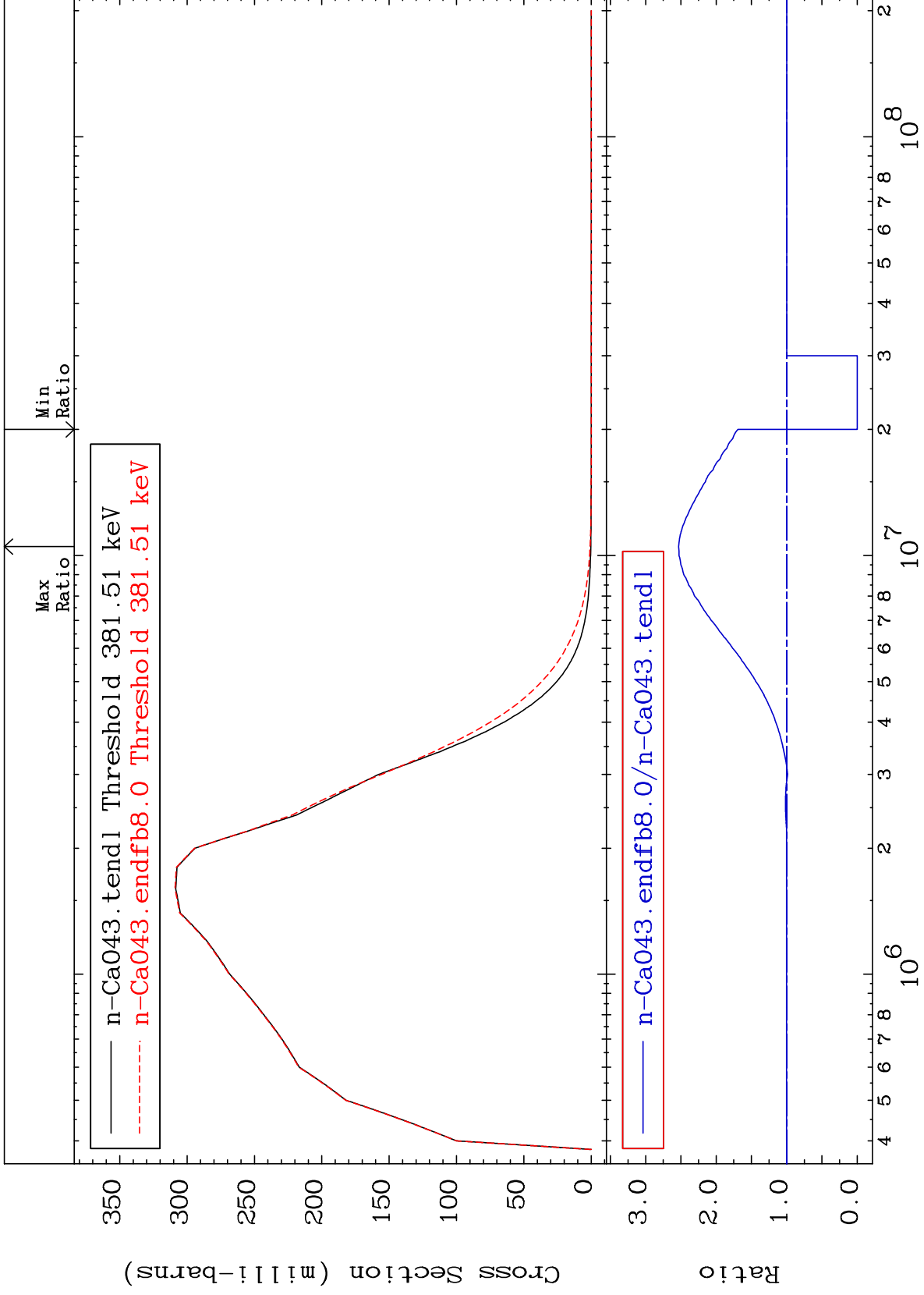
Incident Energy (eV)

20-Ca-43

MAT 2034

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

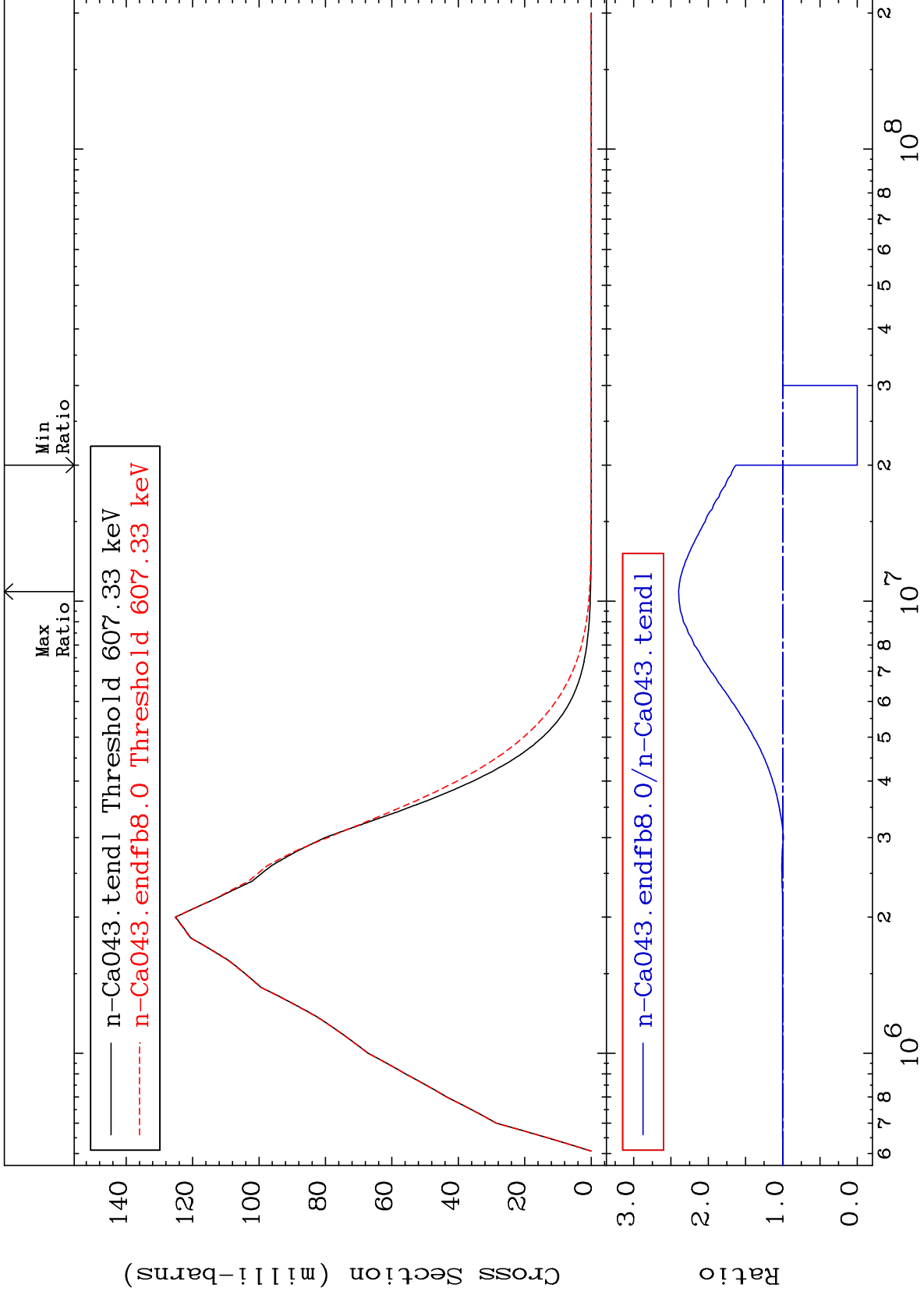
20-Ca-43  
-100.0 To 153.2 %



MAT 2034

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

20-Ca-43  
-100.0 To 139.7 %



13

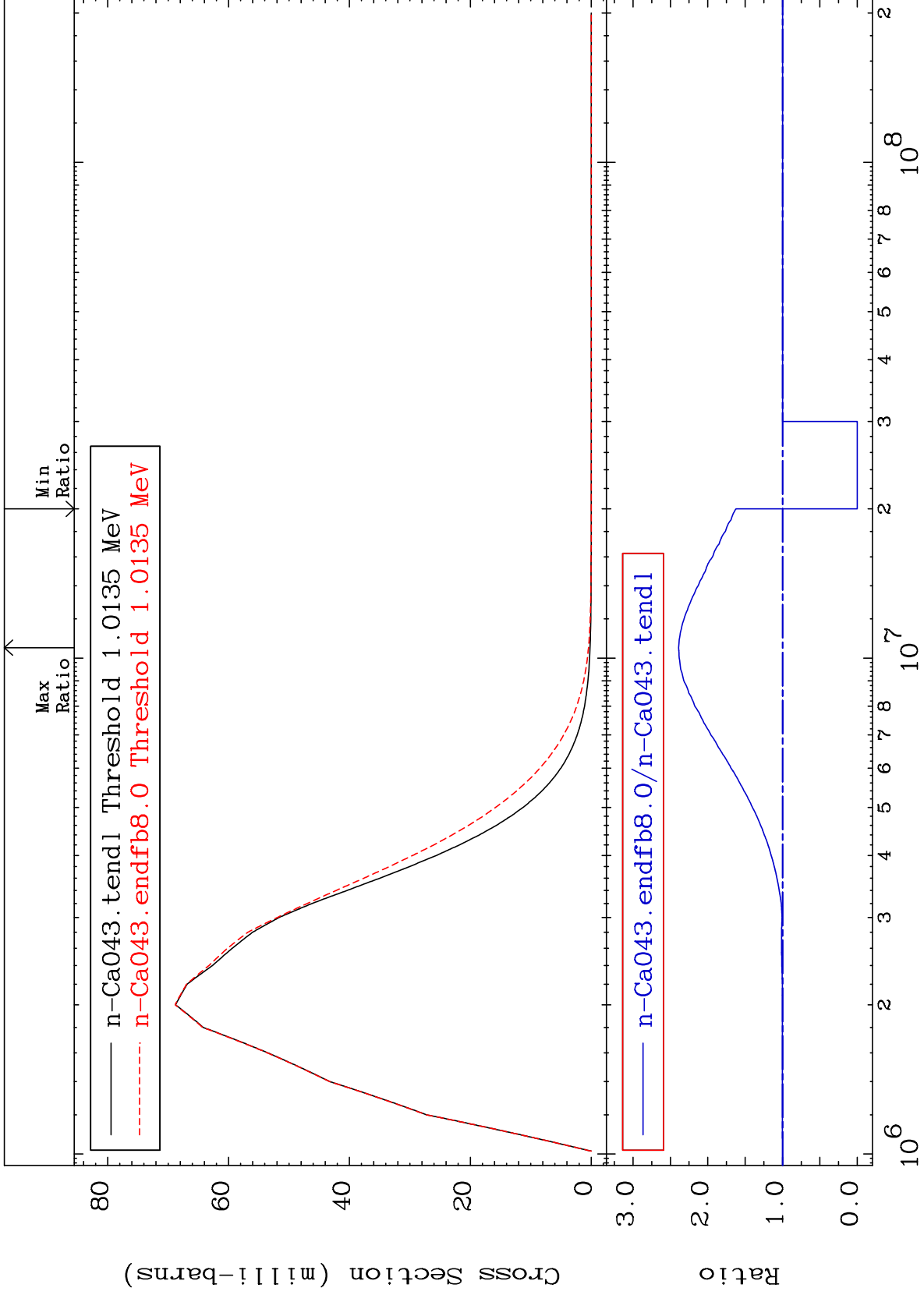
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 139.0 %



14

Incident Energy (eV)

20-Ca-43

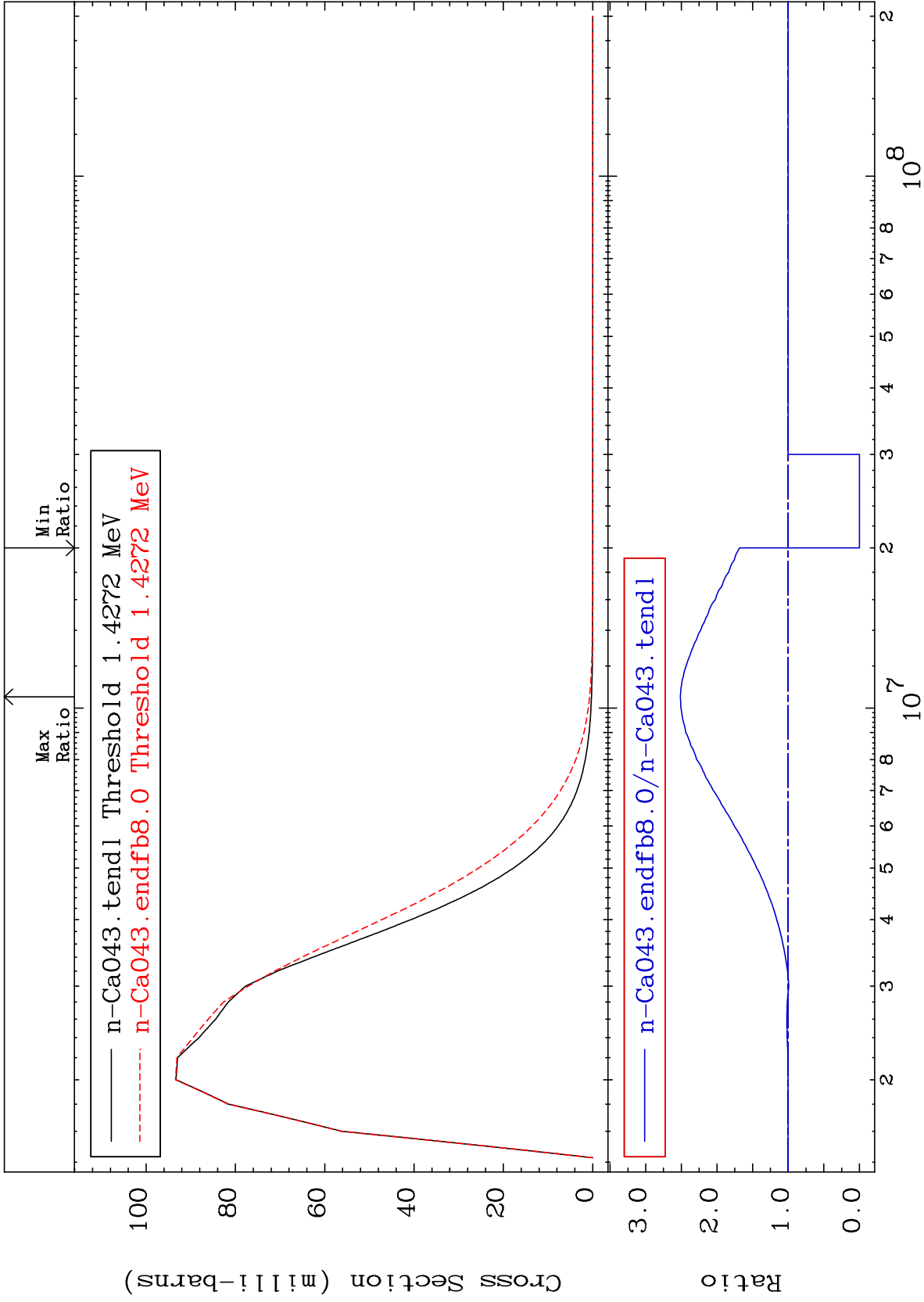
MAT 2034

MT= 54 (n,n') Level

20-Ca-43

-100.0 To 151.4 %

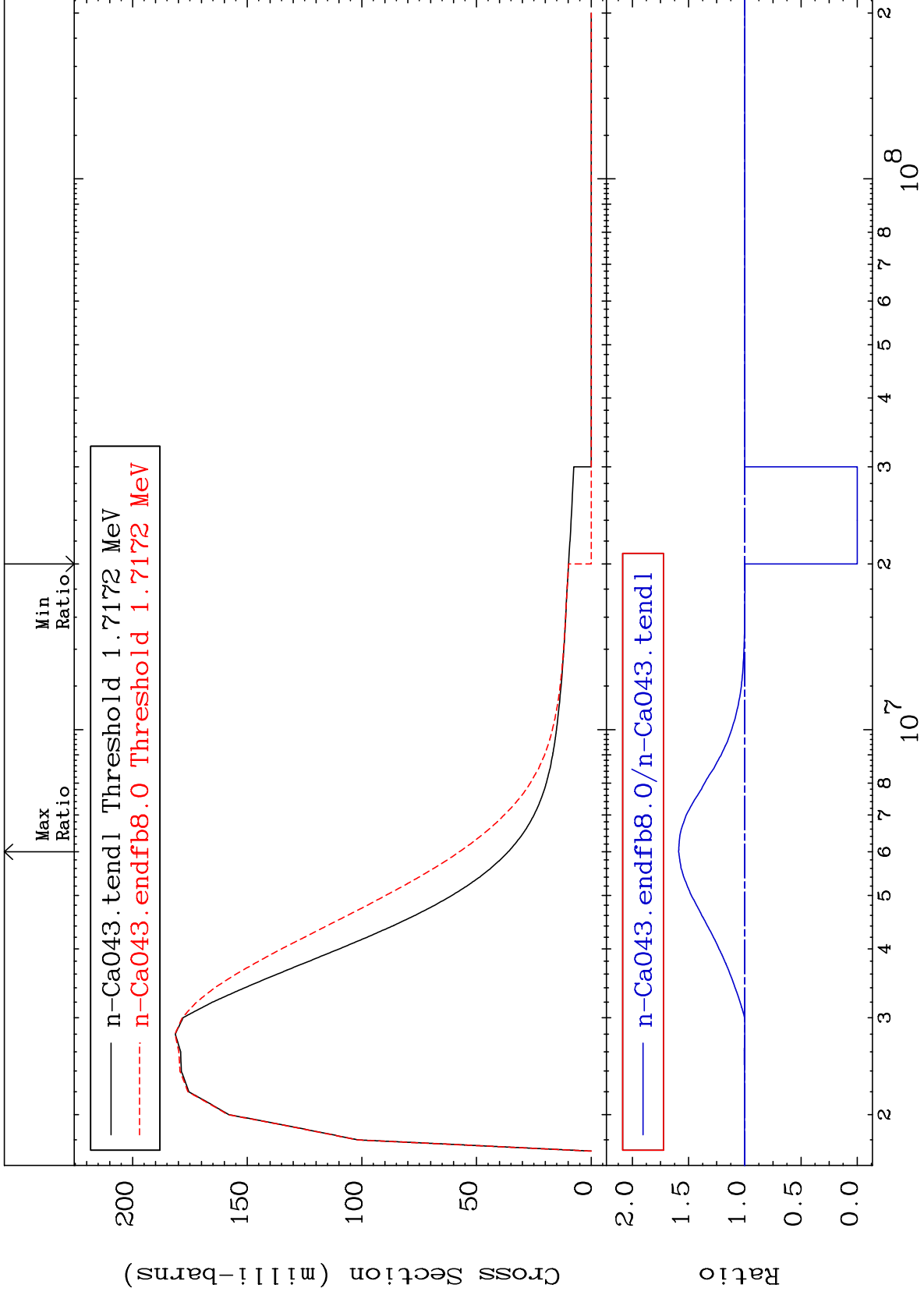
Cross Section



MAT 2034

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

20-Ca-43  
-100.0 To 58.86 %

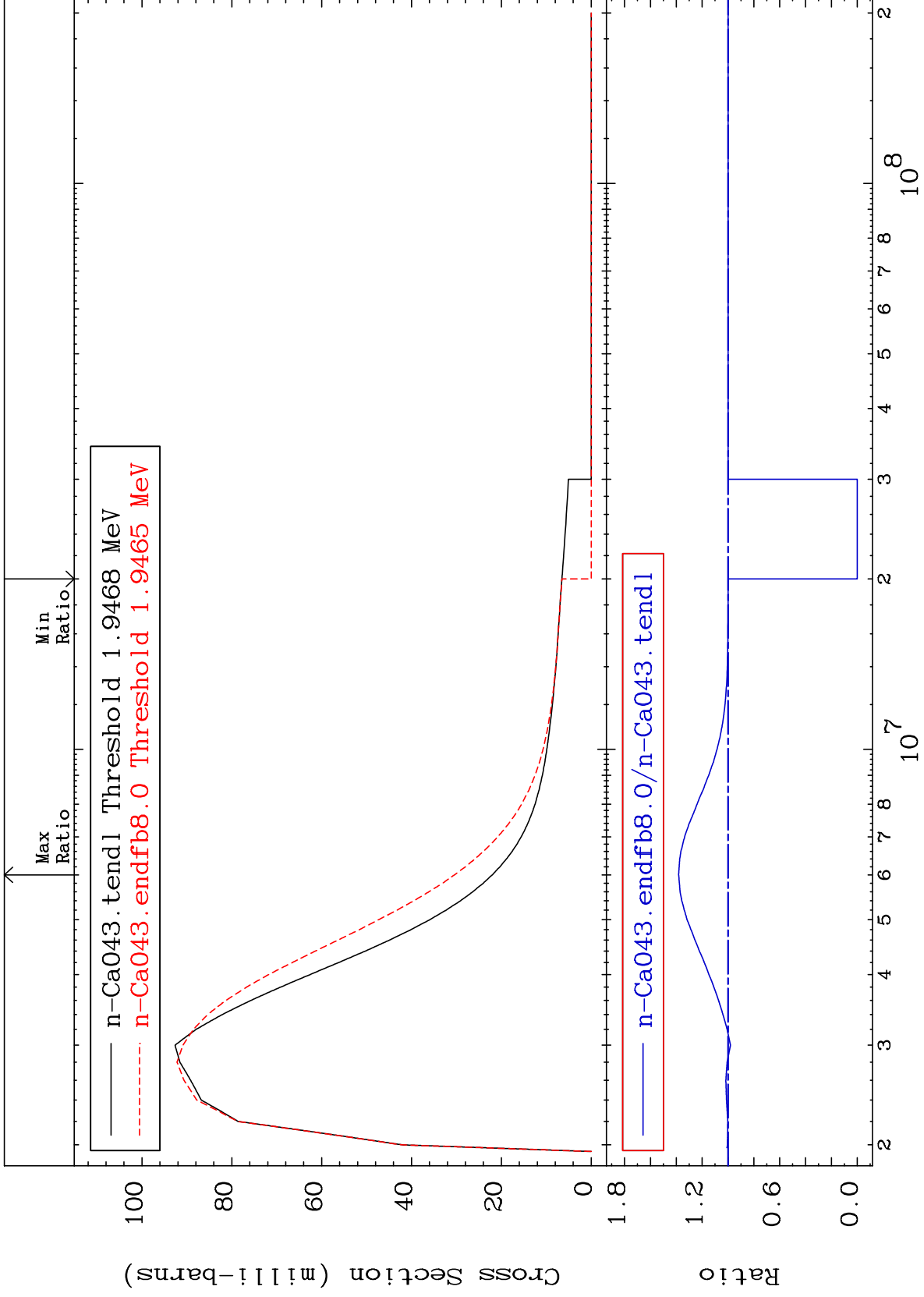




MAT 2034

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

20-Ca-43  
-100.0 To 38.18 %



— n-Ca043.tendl Threshold 1.9468 MeV  
- - - n-Ca043.endfb8.0 Threshold 1.9465 MeV

— n-Ca043.endfb8.0/n-Ca043.tendl

17

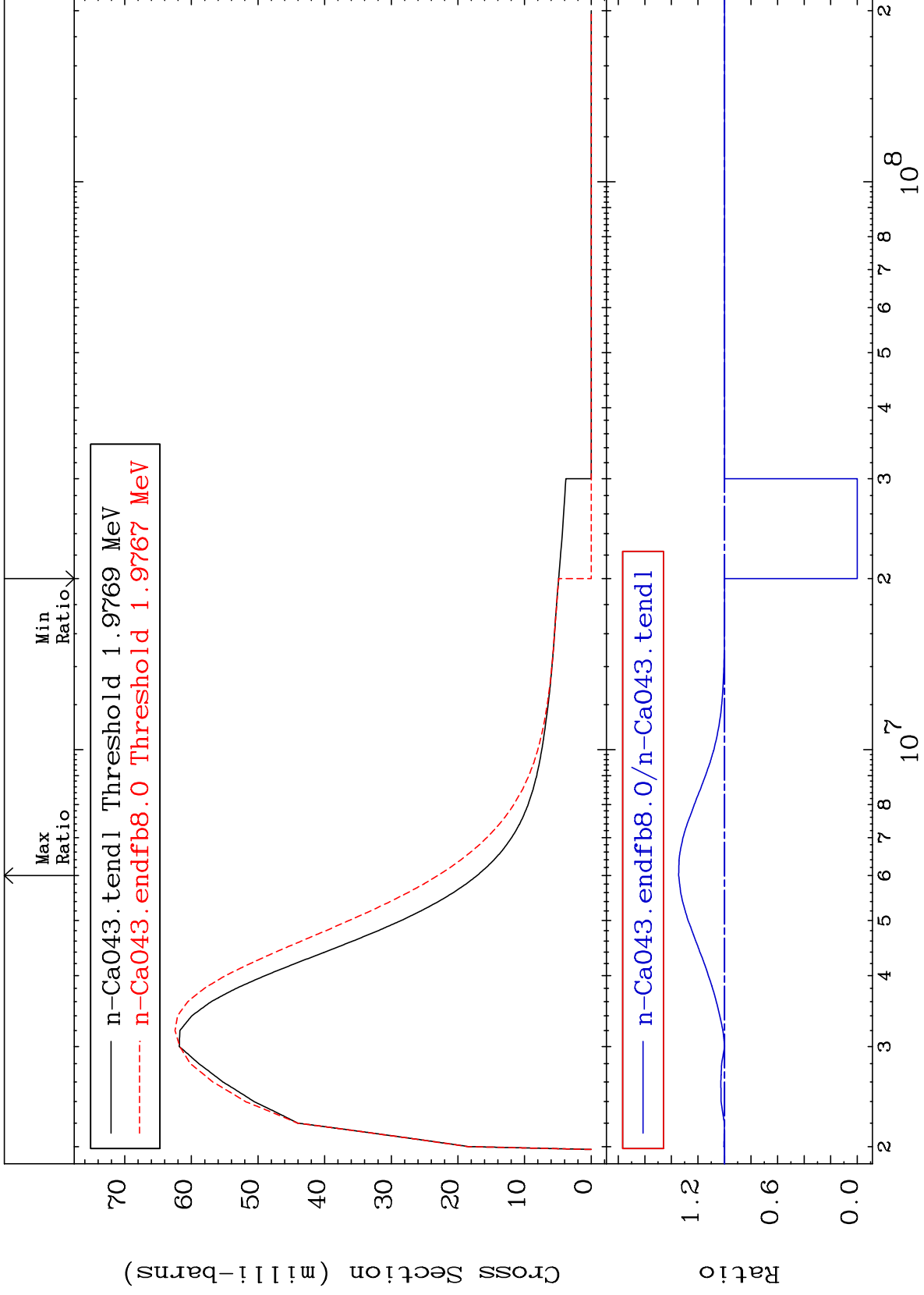
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 34.53 %



18

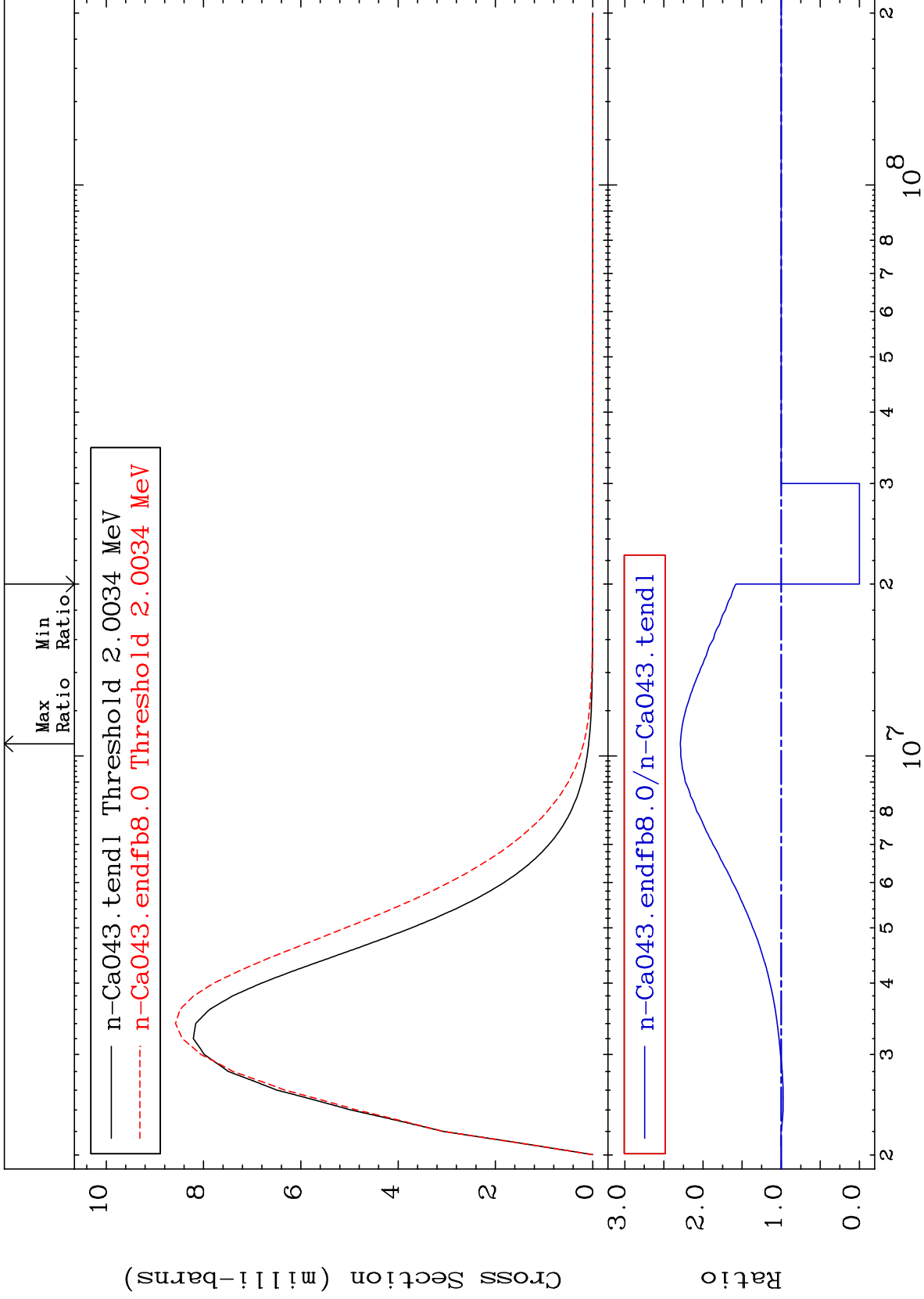
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 128.9 %



19

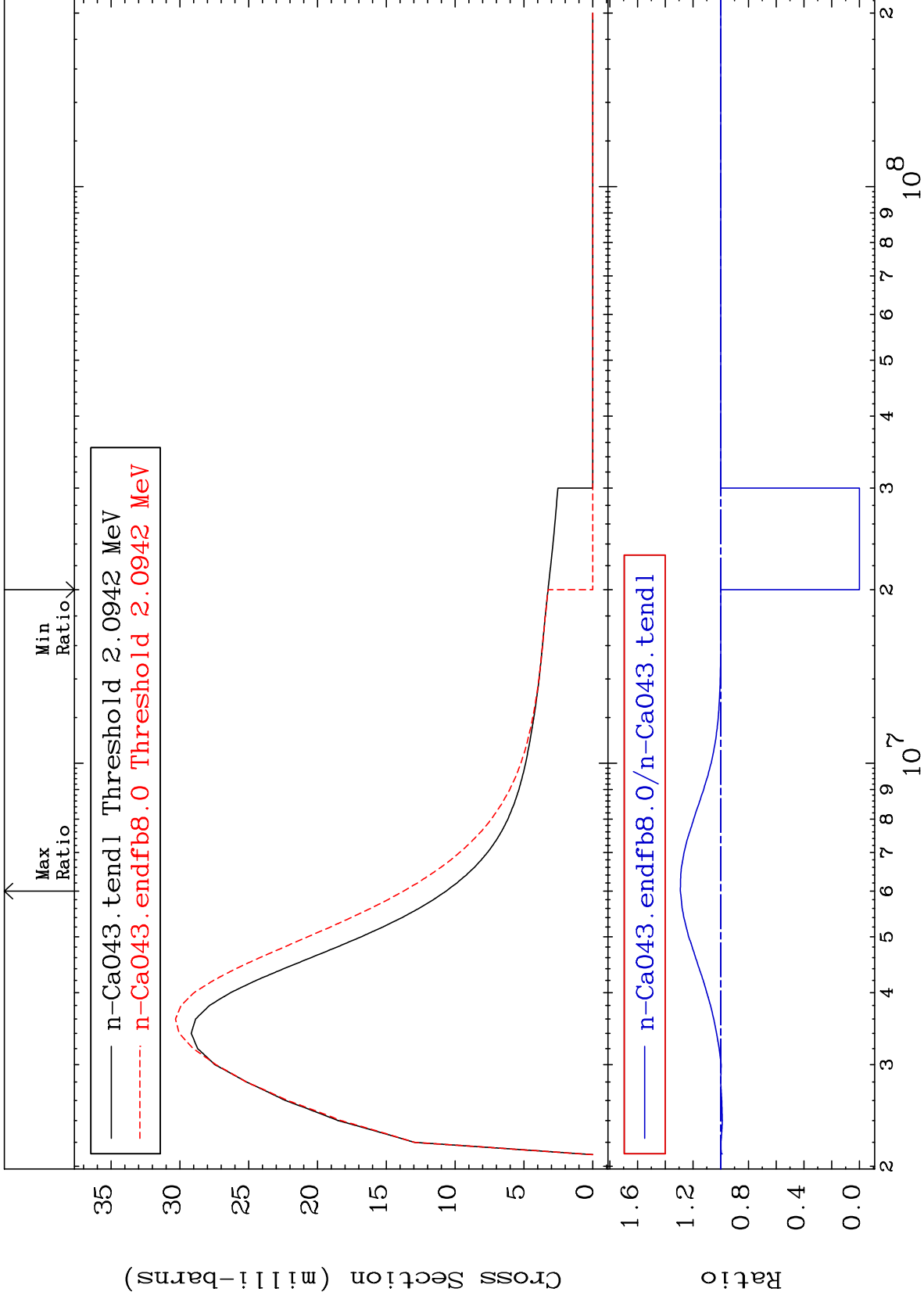
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 29.12 %



20

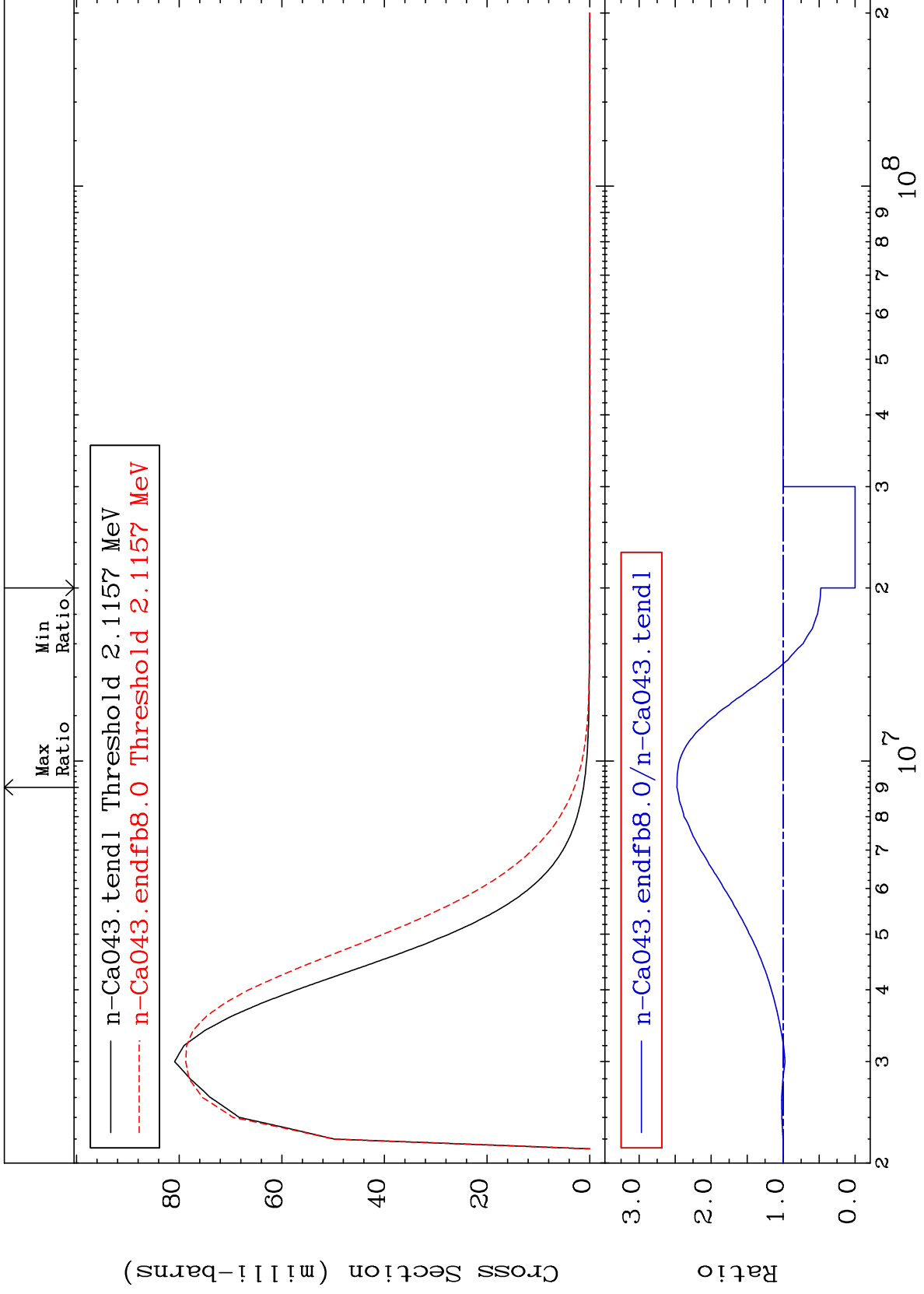
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-100.0 To 147.5 %



21

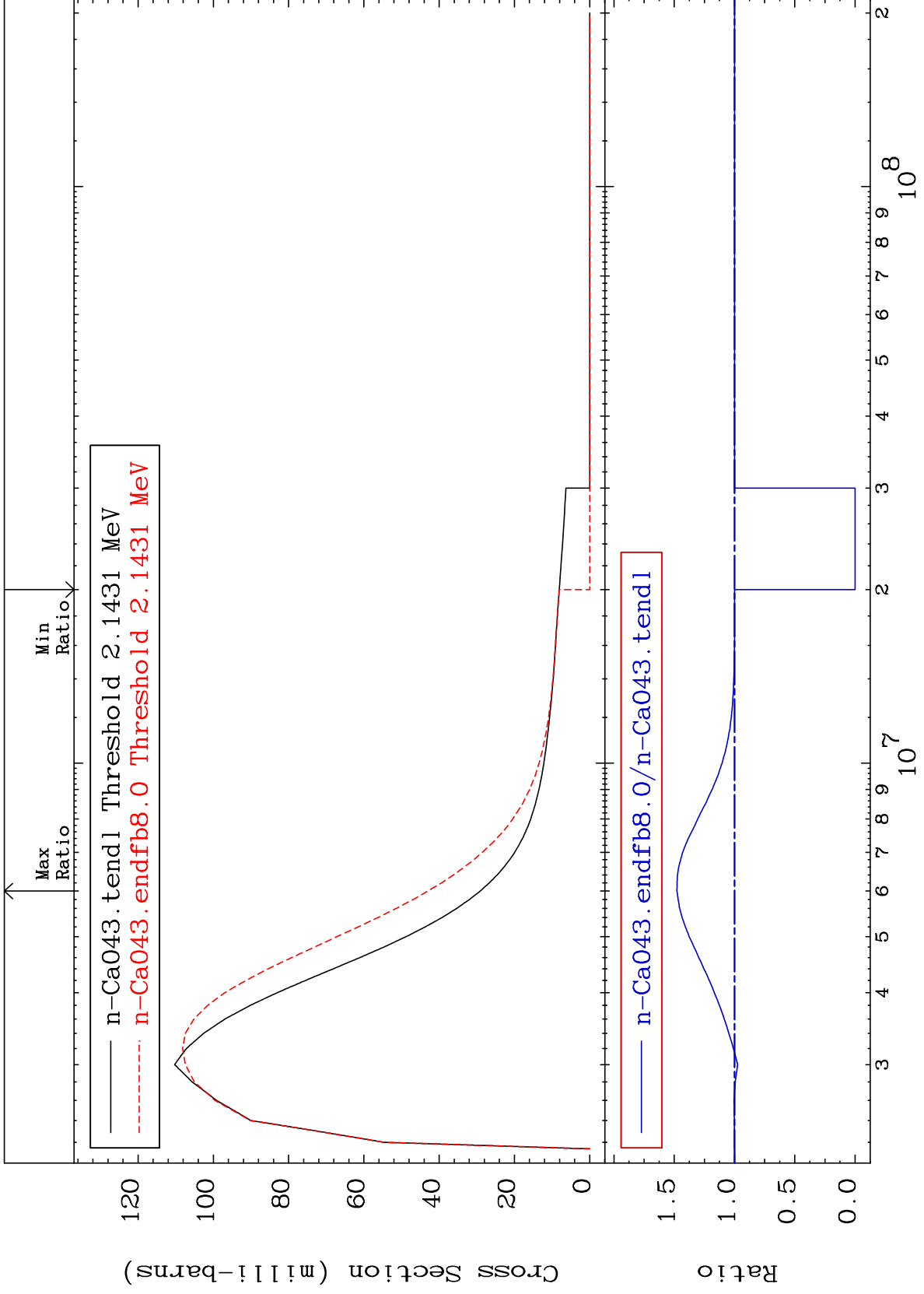
Incident Energy (eV)

20-Ca-43

MAT 2034

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

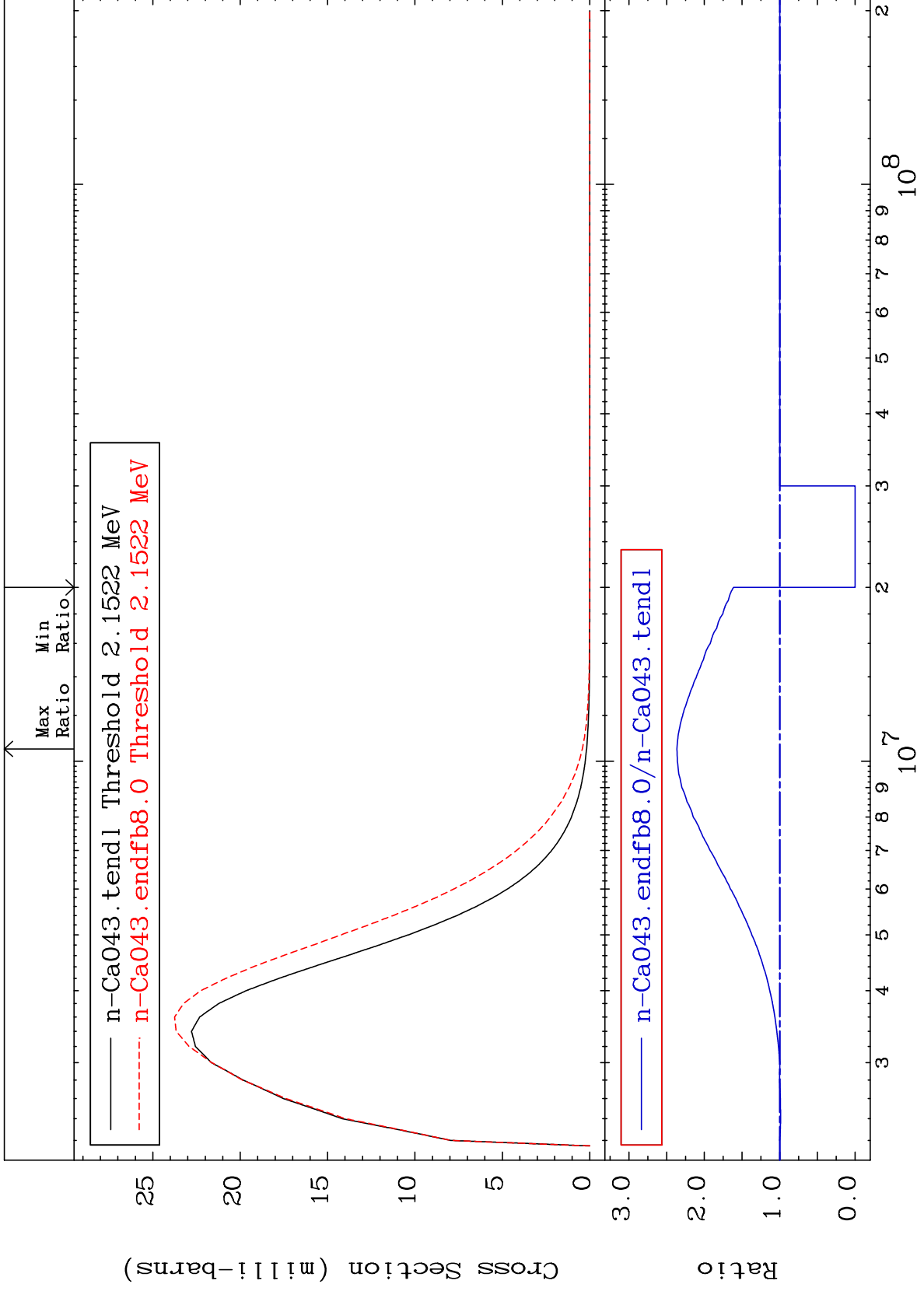
20-Ca-43  
-100.0 To 47.77 %



MAT 2034

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

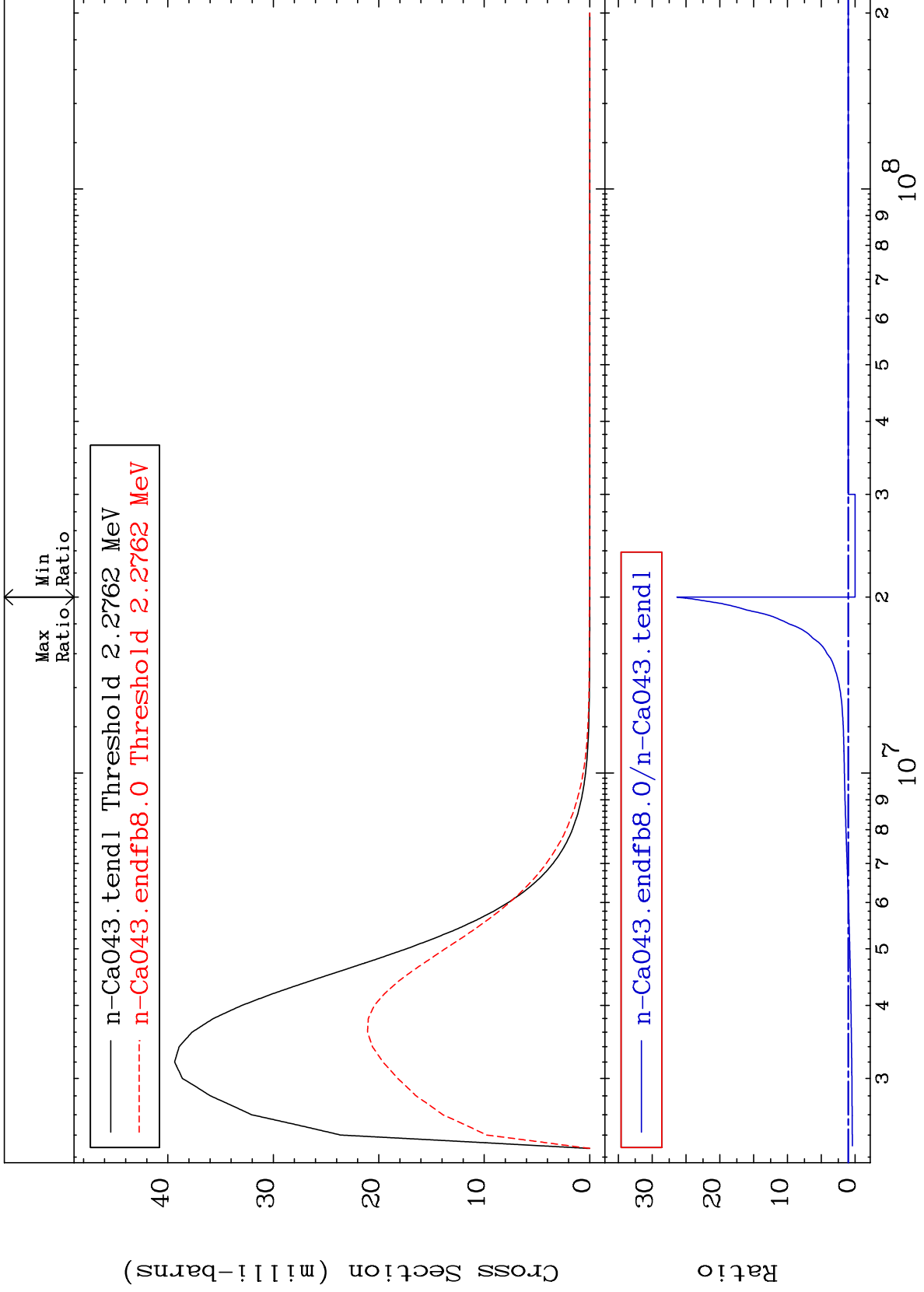
20-Ca-43  
-100.0 To 136.4 %



MAT 2034

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

20-Ca-43  
-100.0 To 2534. %



24

Incident Energy (eV)

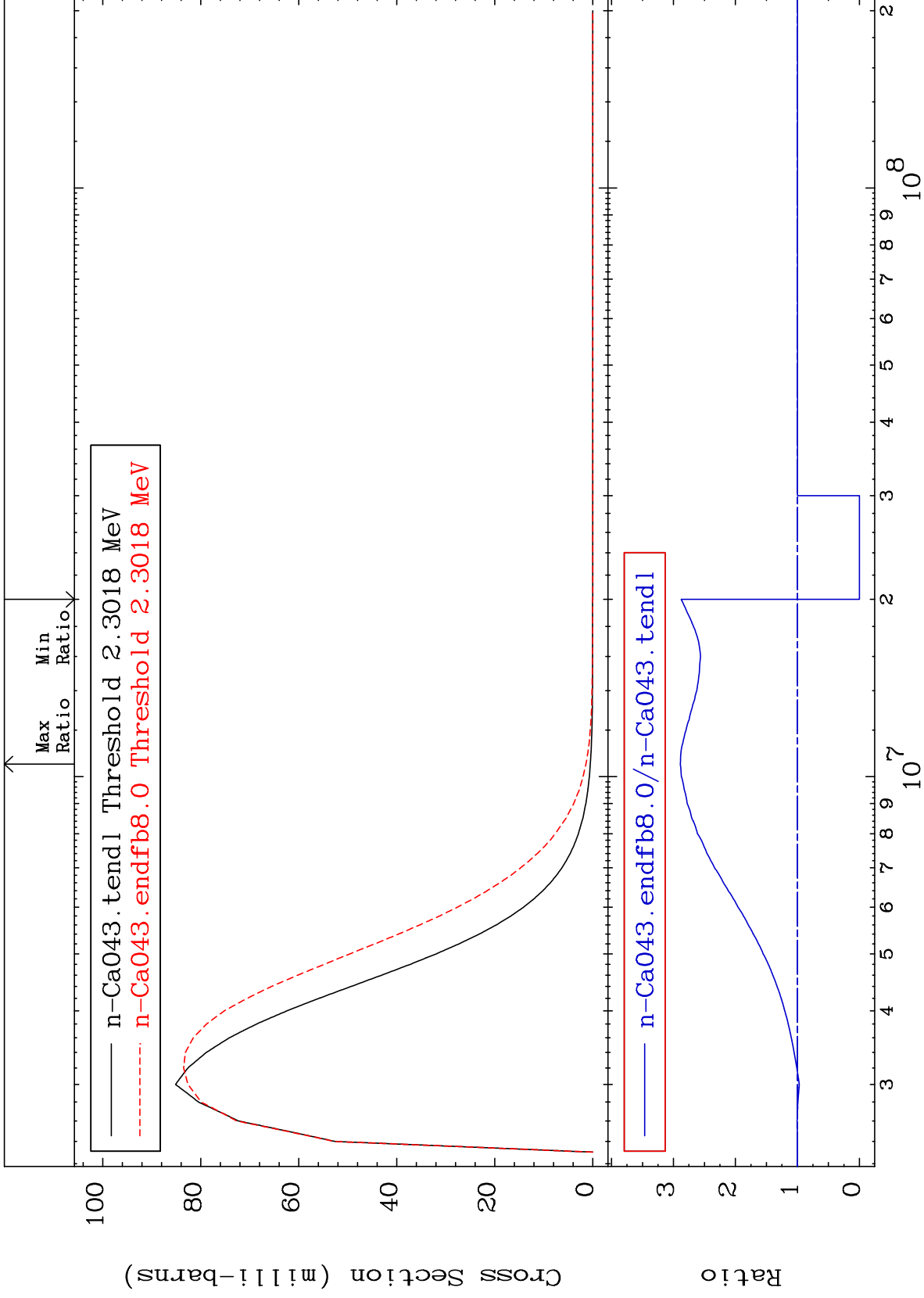
20-Ca-43



MAT 2034

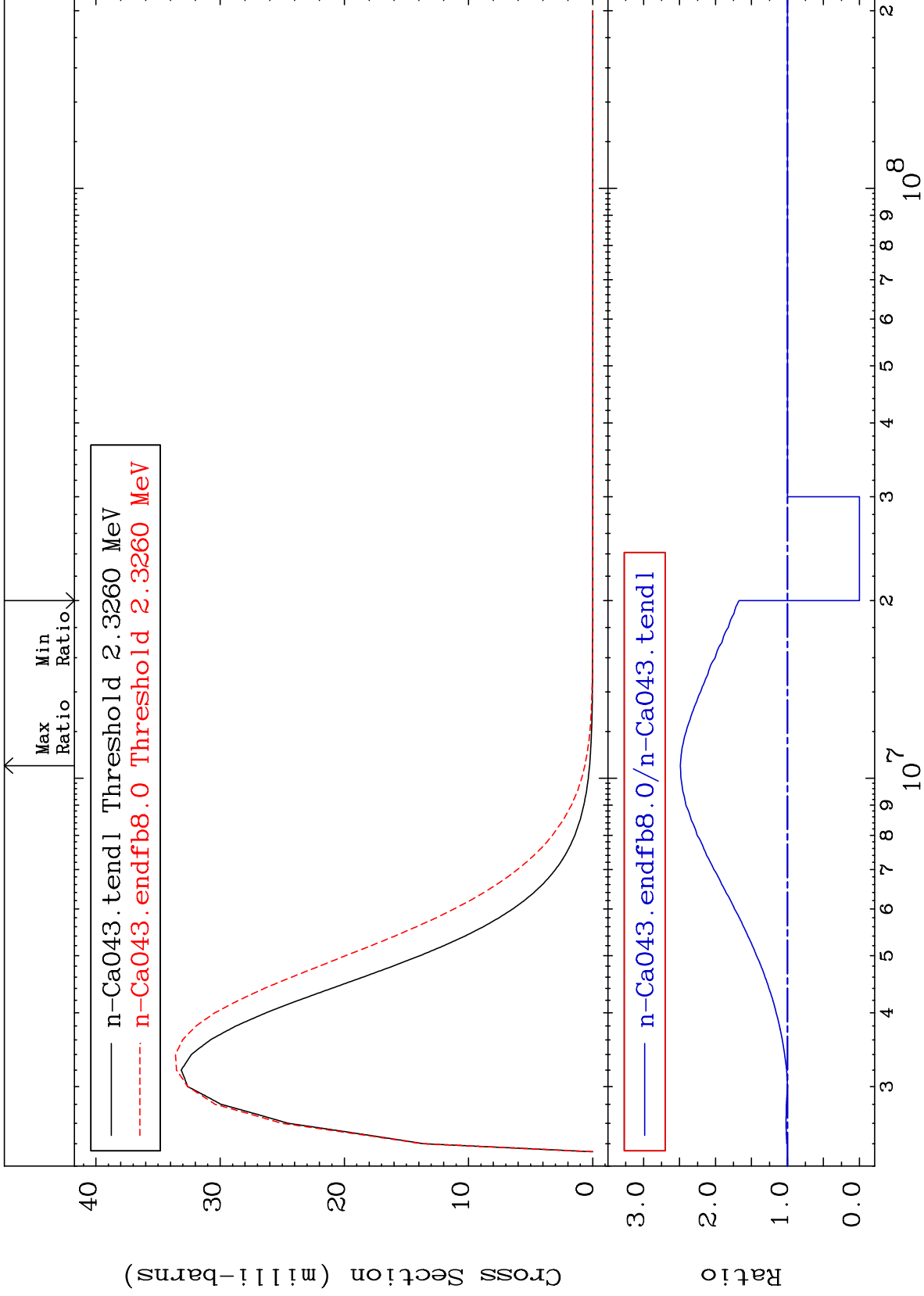
MT= 64 (n,n') Level  
Cross Section

20-Ca-43  
-100.0 To 188.9 %



25

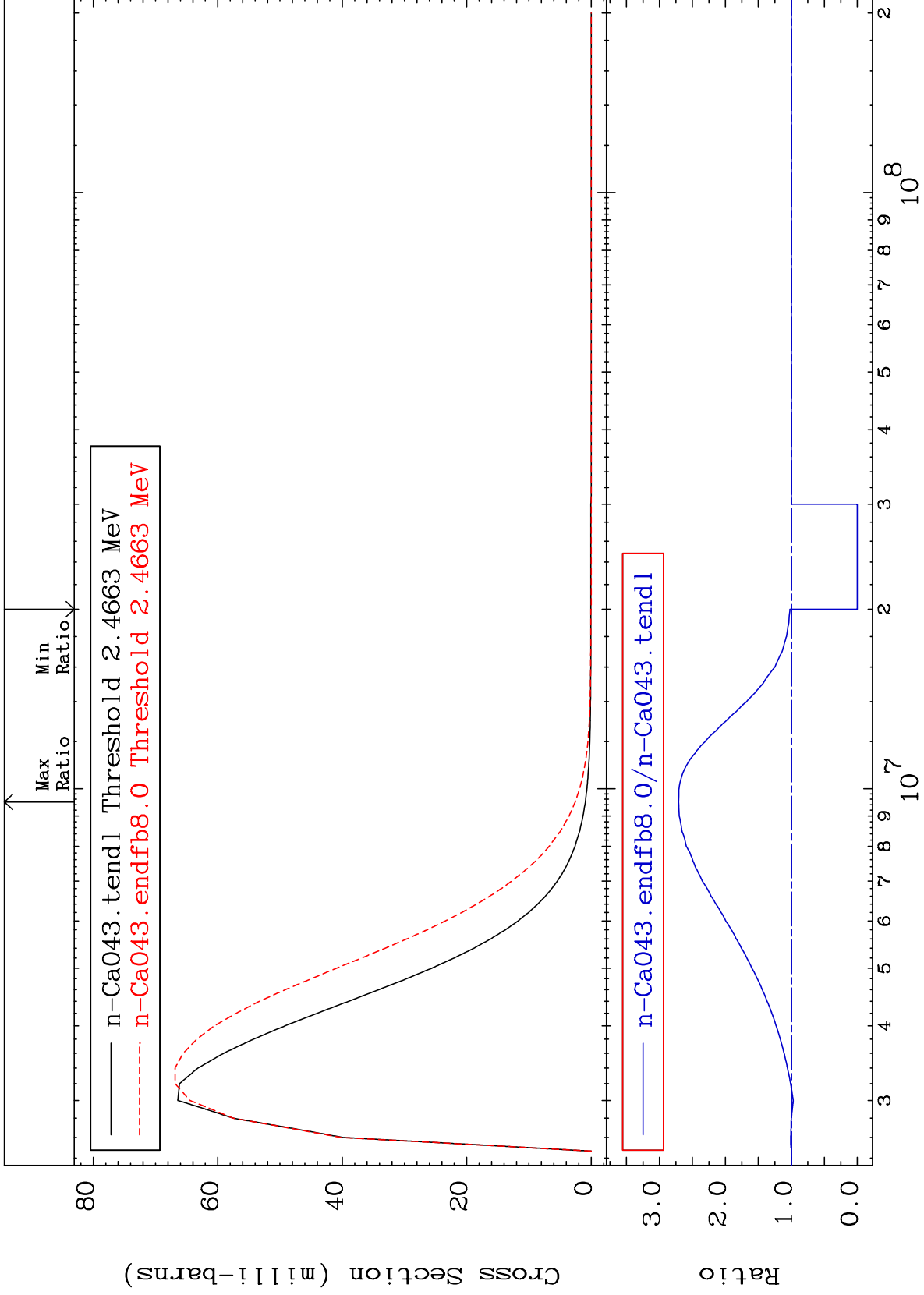
20-Ca-43

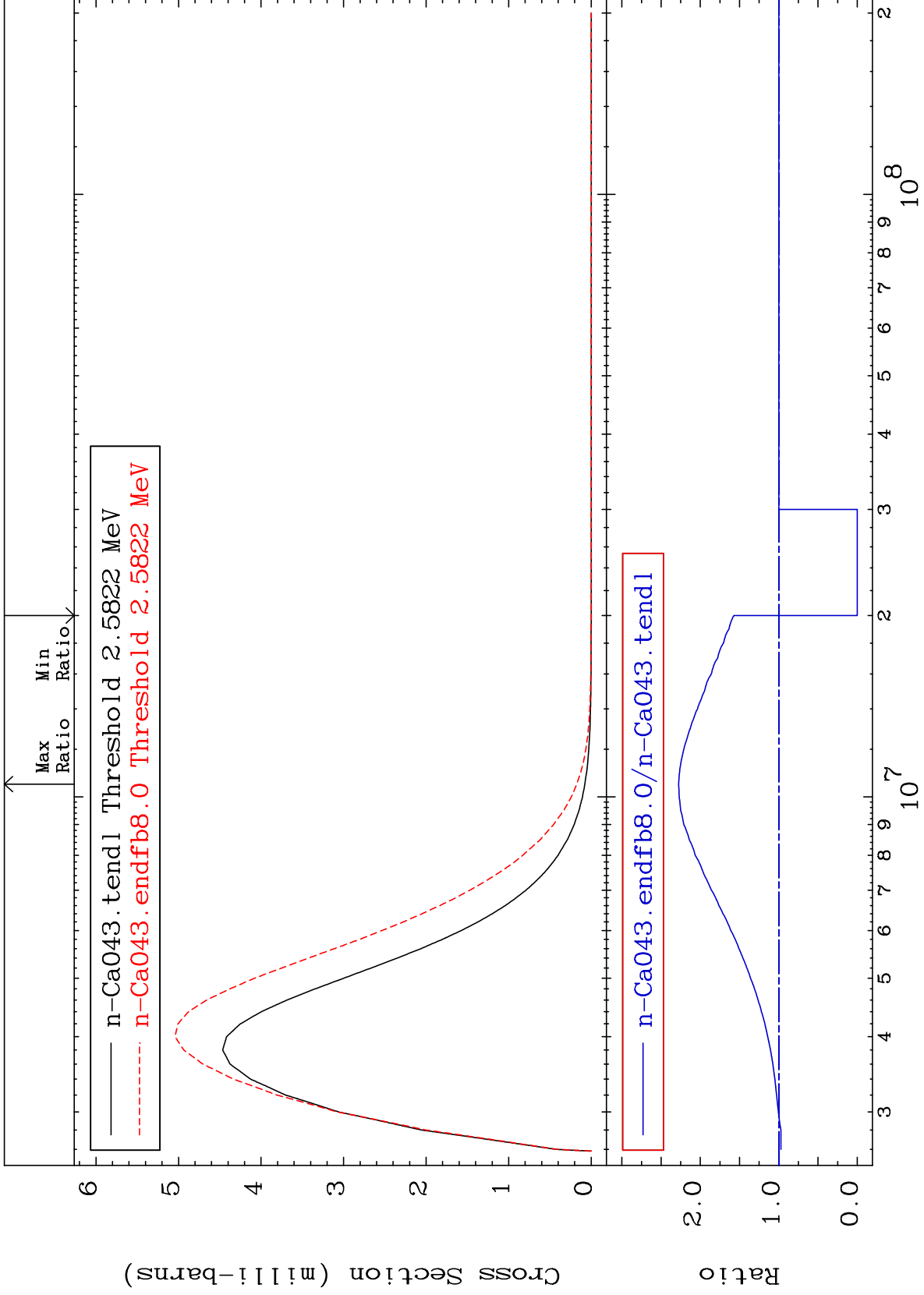


MAT 2034

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

20-Ca-43  
-100.0 To 170.9 %

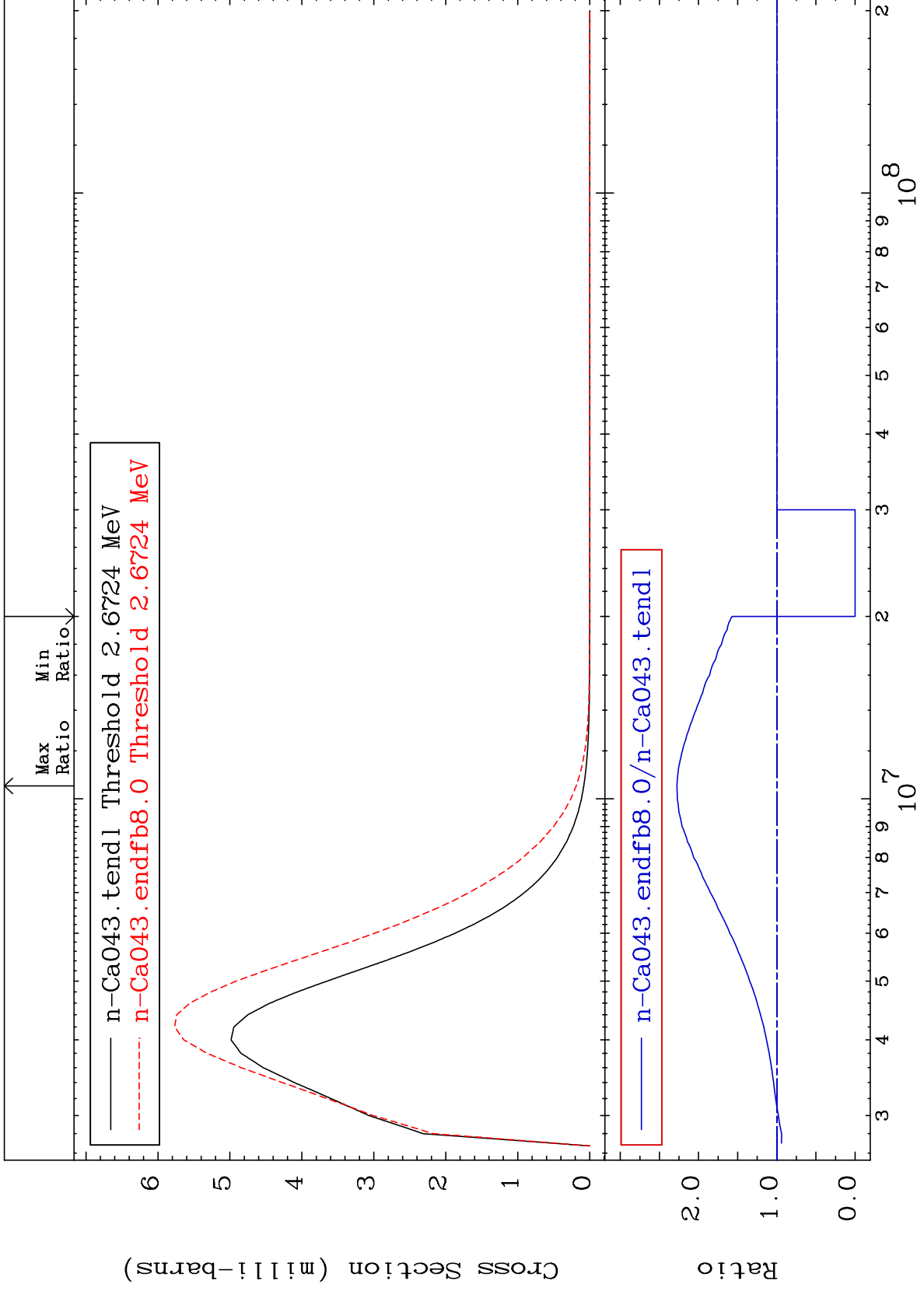




MAT 2034

MT= 68 (n,n') Level  
Cross Section

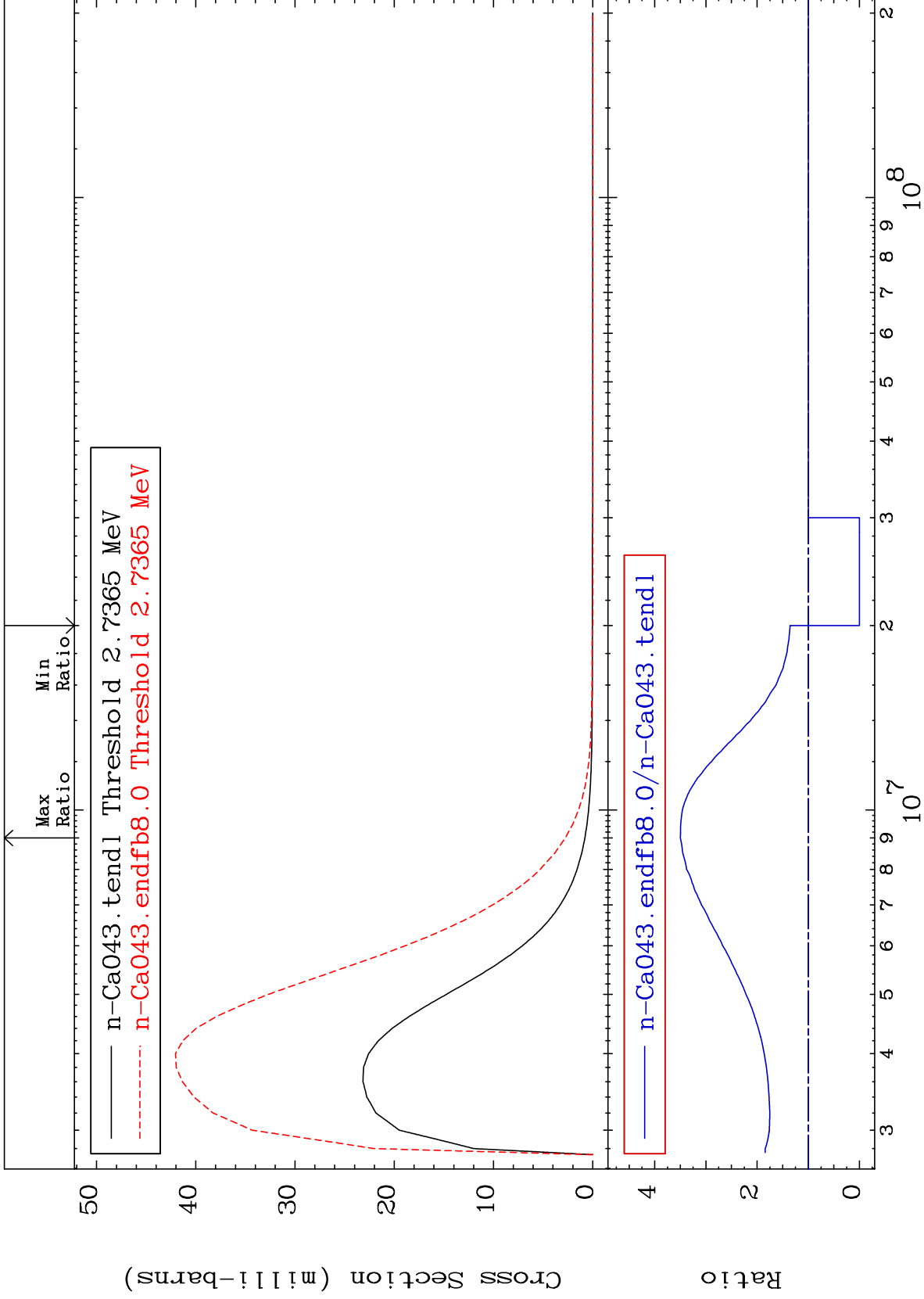
20-Ca-43  
-100.0 To 127.6 %



MAT 2034

MT= 69 (n,n') Level  
Cross Section

20-Ca-43  
-100.0 To 249.9 %



30

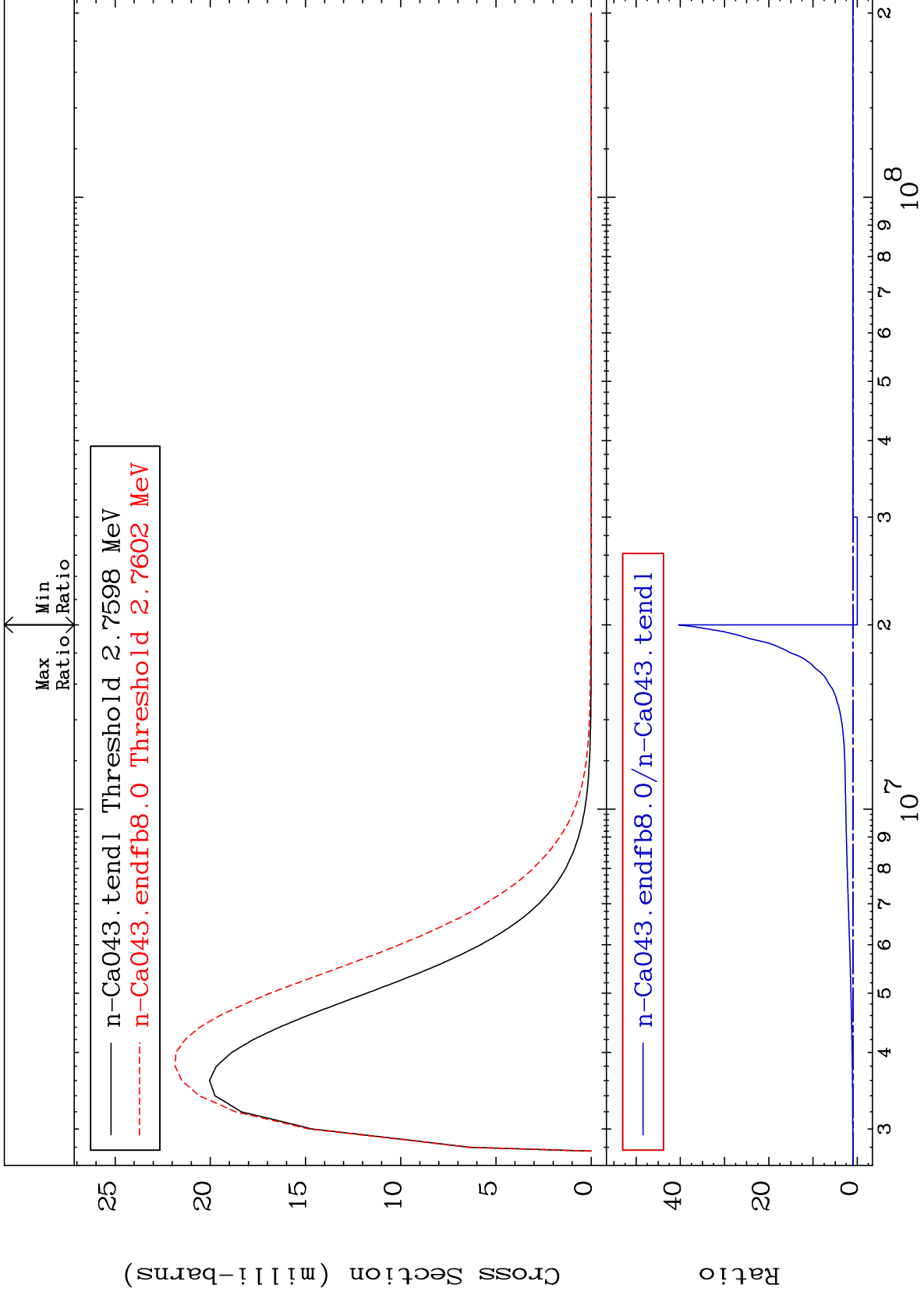
Incident Energy (eV)

20-Ca-43

MAT 2034

MT= 70 (n,n') Level  
Cross Section

20-Ca-43  
-100.0 To 3939. %



31

Incident Energy (eV)

20-Ca-43





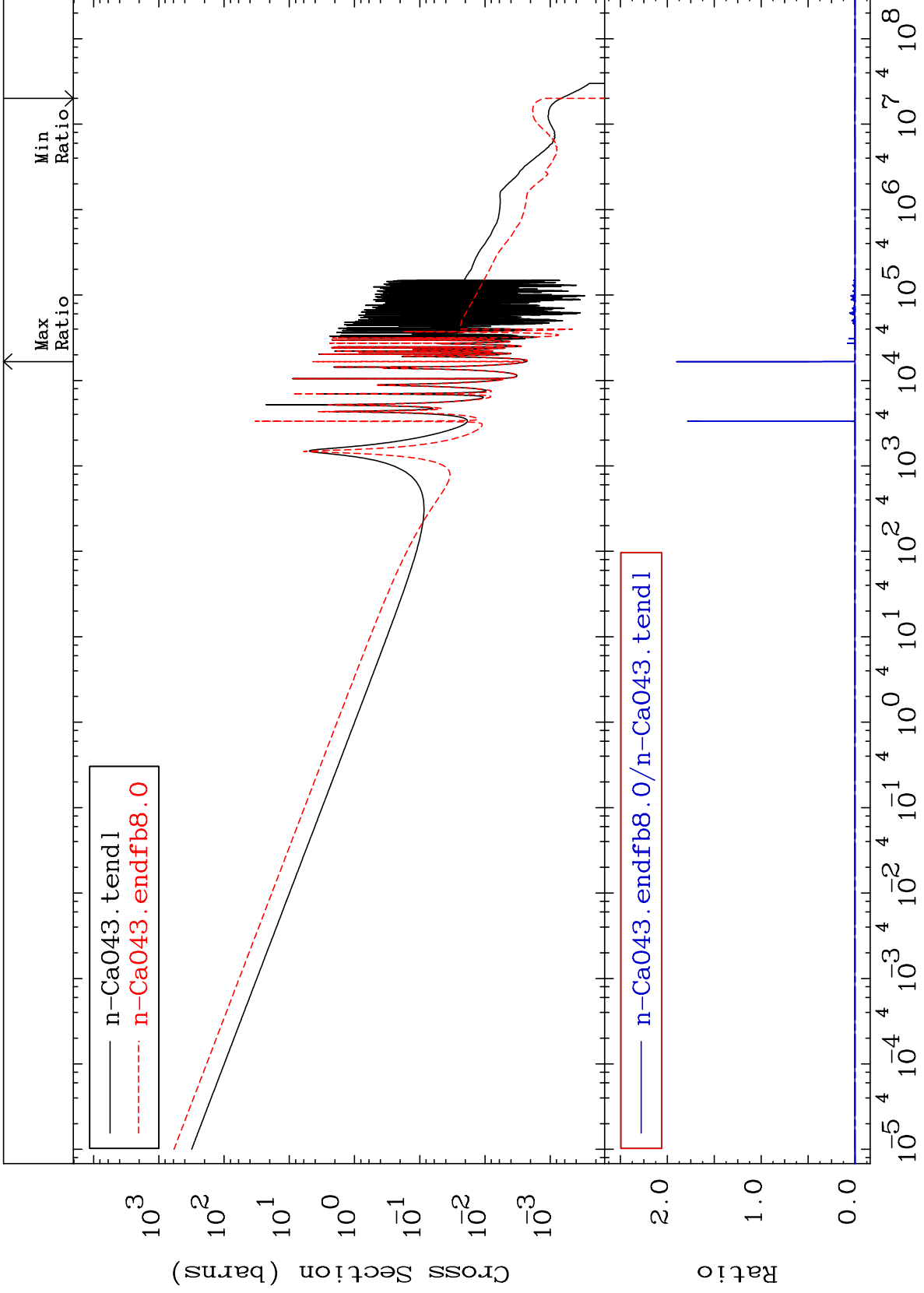
MAT 2034

(n,  $\gamma$ )

20-Ca-43

Cross Section

-100.0 To 9999. %



33

Incident Energy (eV)

20-Ca-43

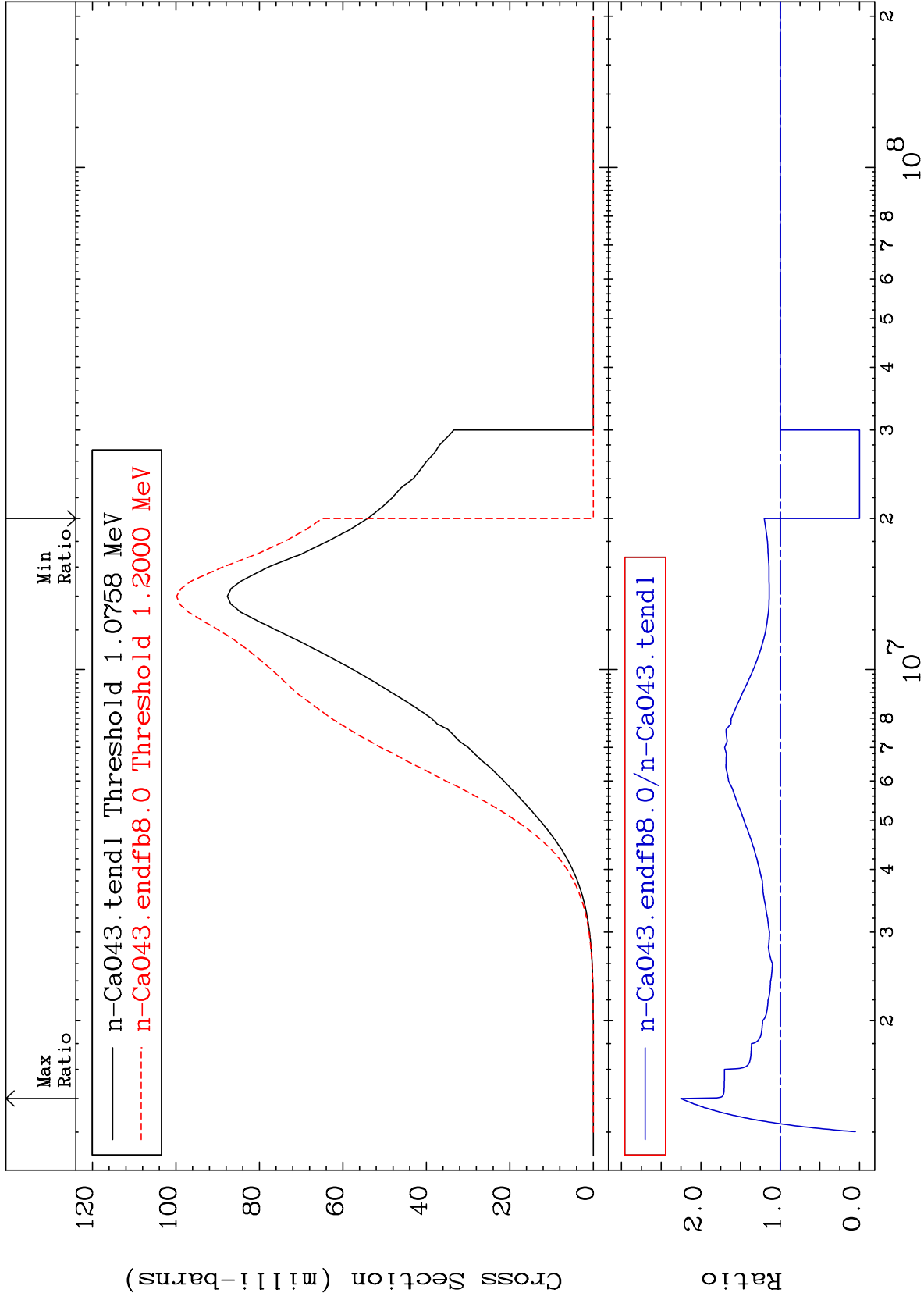
MAT 2034

(n, p)

20-Ca-43

Cross Section

-100.0 To 125.3 %



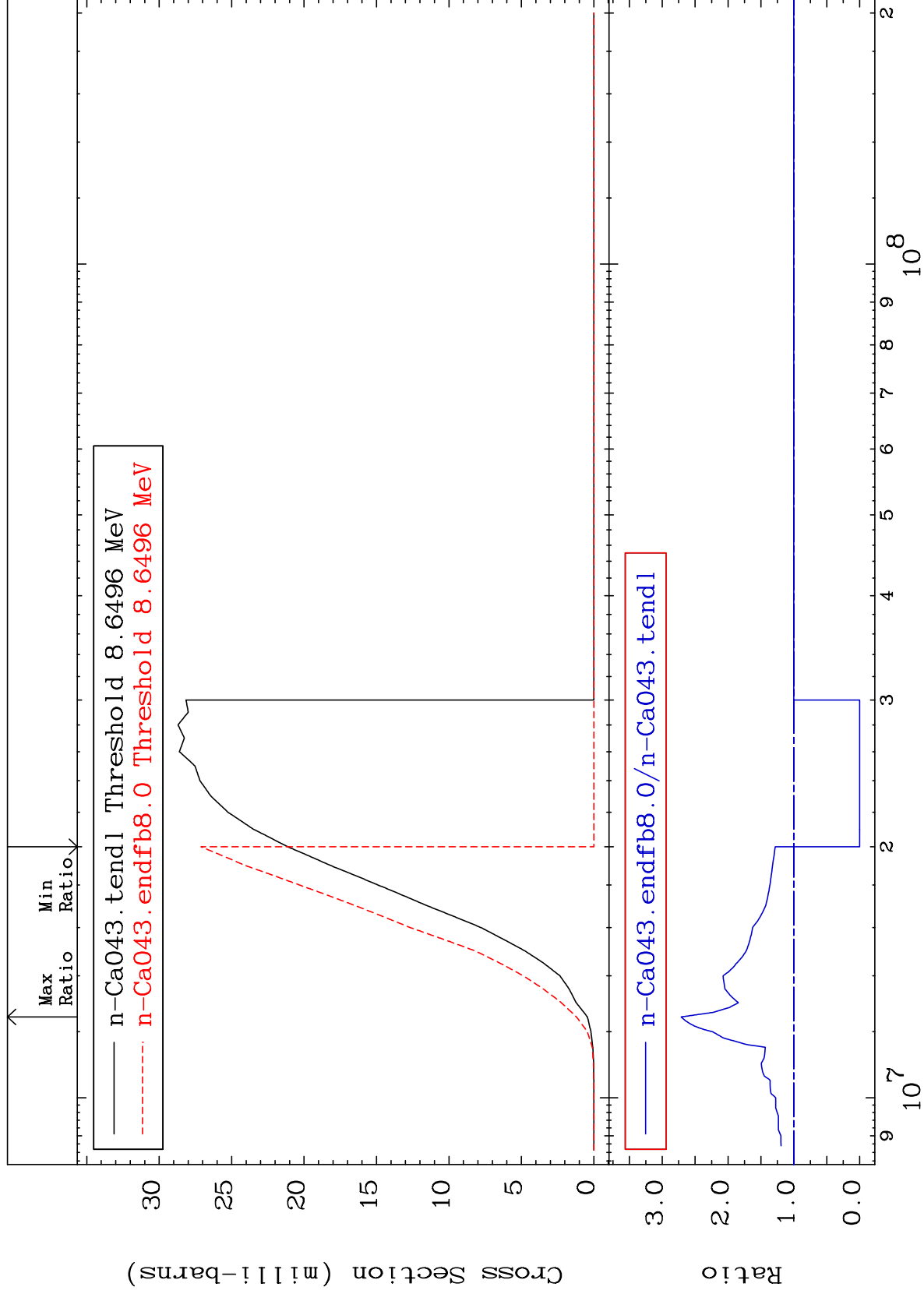
MAT 2034

(n, d)

20-Ca-43

Cross Section

-100.0 To 171.2 %



35

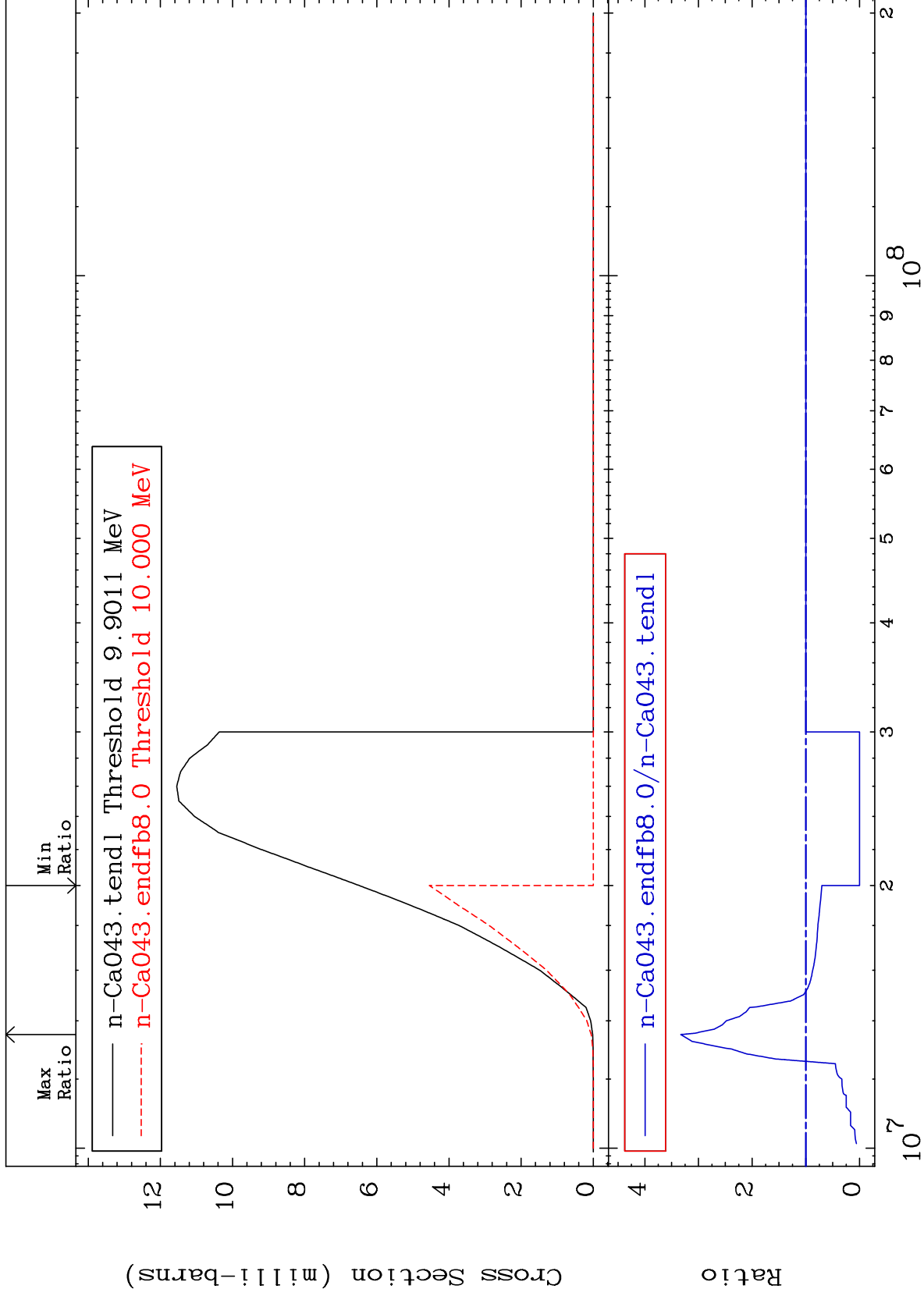
MAT 2034

(n, t)

20-Ca-43

Cross Section

-100.0 To 233.0 %



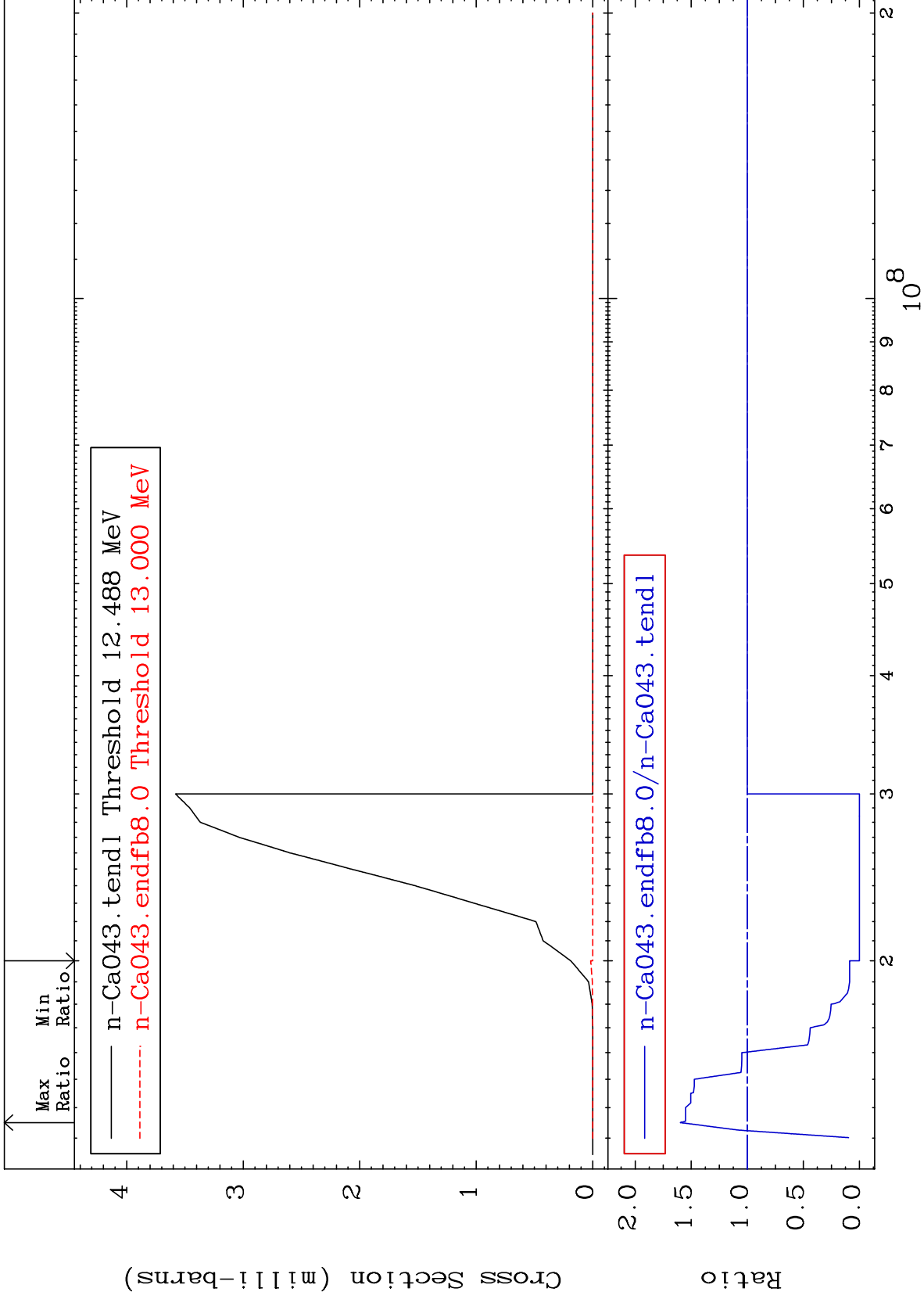
36

Incident Energy (eV)

20-Ca-43

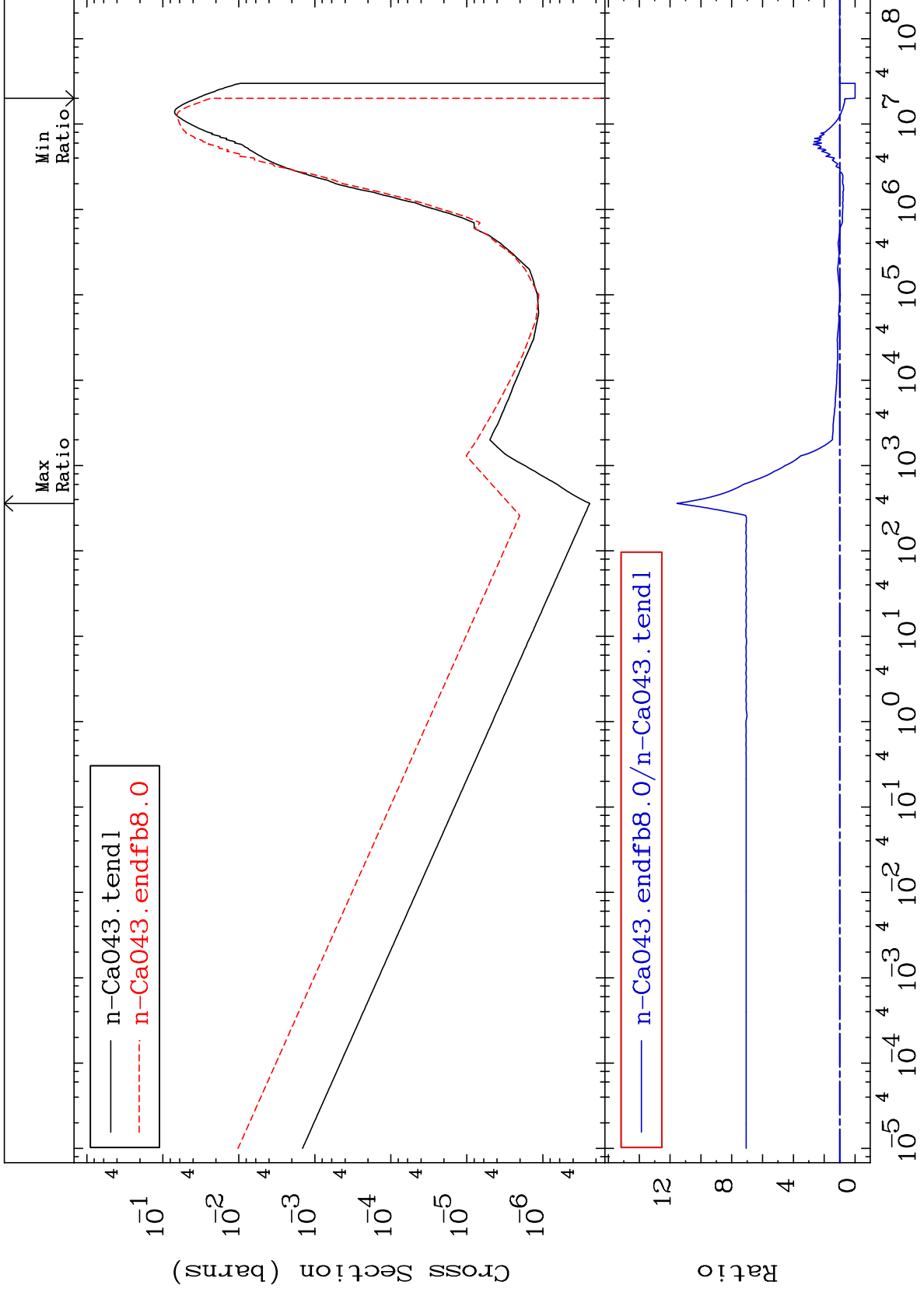
Cross Section

-100.0 To 59.72 %



MAT 2034

(n,  $\alpha$ )  
Cross Section  
-100.0 To 1056. %  
20-Ca-43



38

Incident Energy (eV)

20-Ca-43

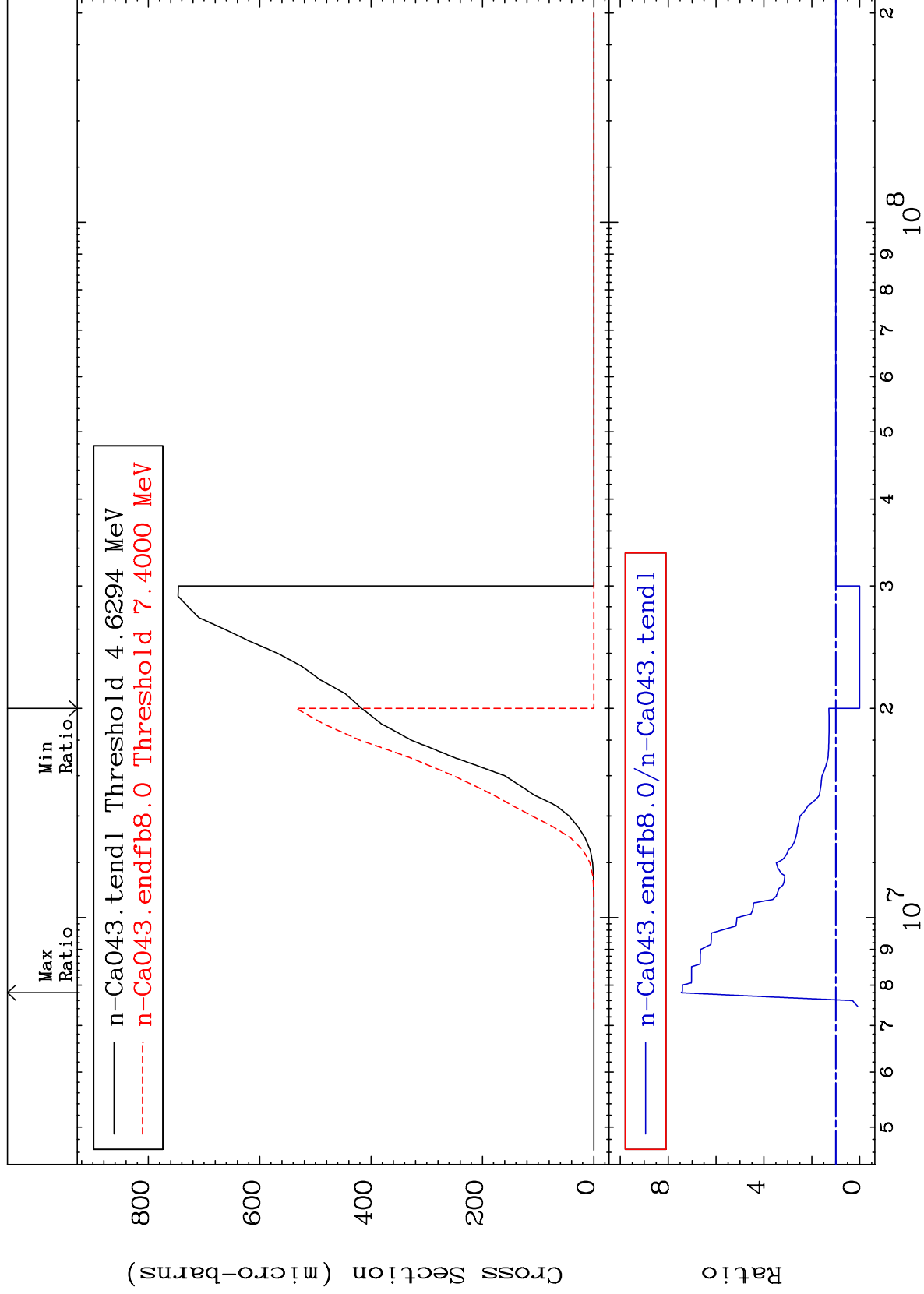
MAT 2034

(n,2α)

20-Ca-43

Cross Section

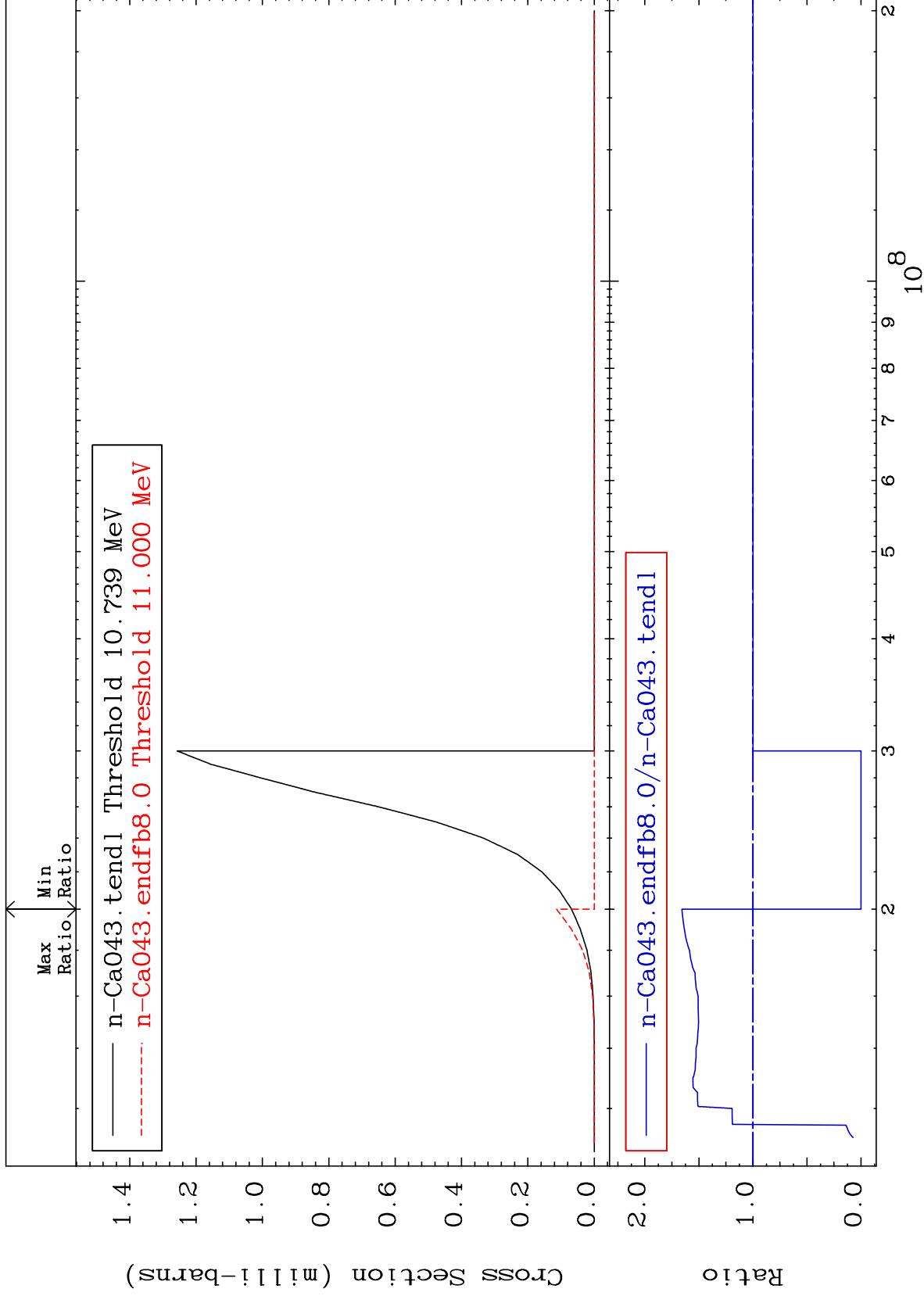
-100.0 To 645.6 %



MAT 2034

(n,2p)  
Cross Section

20-Ca-43  
-100.0 To 65.71 %



40



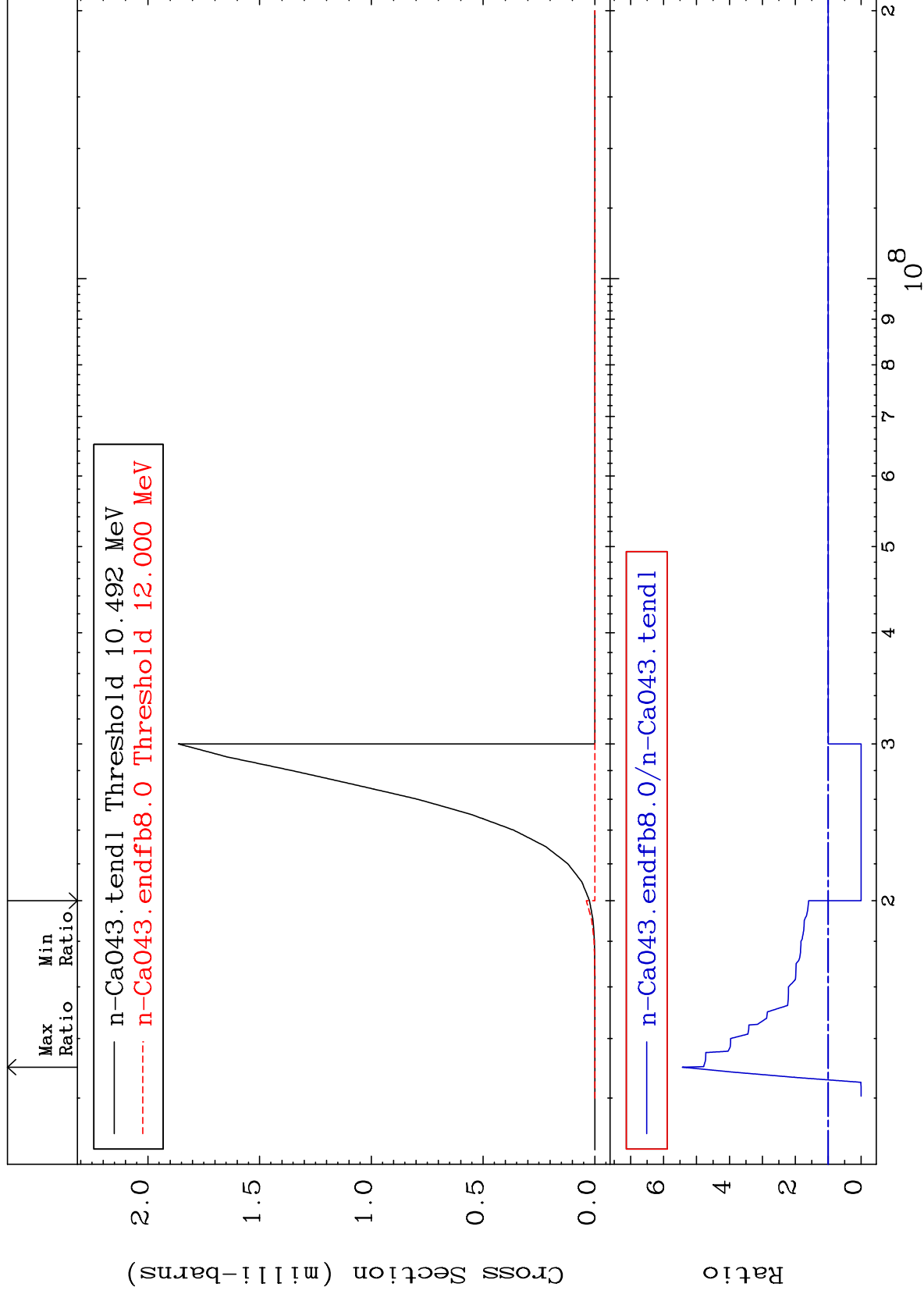
MAT 2034

(n, p)  $\alpha$

20-Ca-43

Cross Section

-100.0 To 443.2 %



41

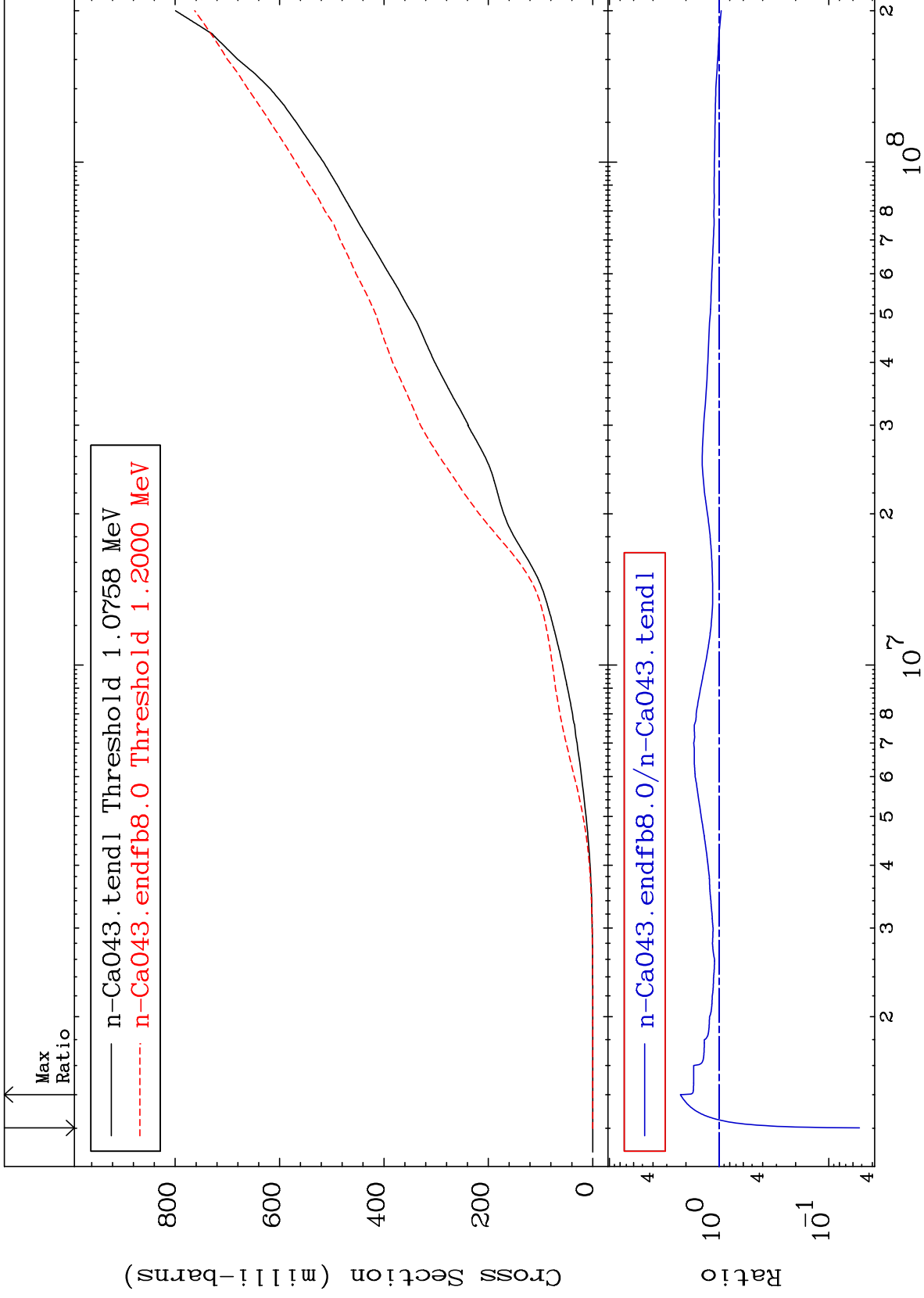
Incident Energy (eV)

20-Ca-43

MAT 2034

Hydrogen Production  
Cross Section

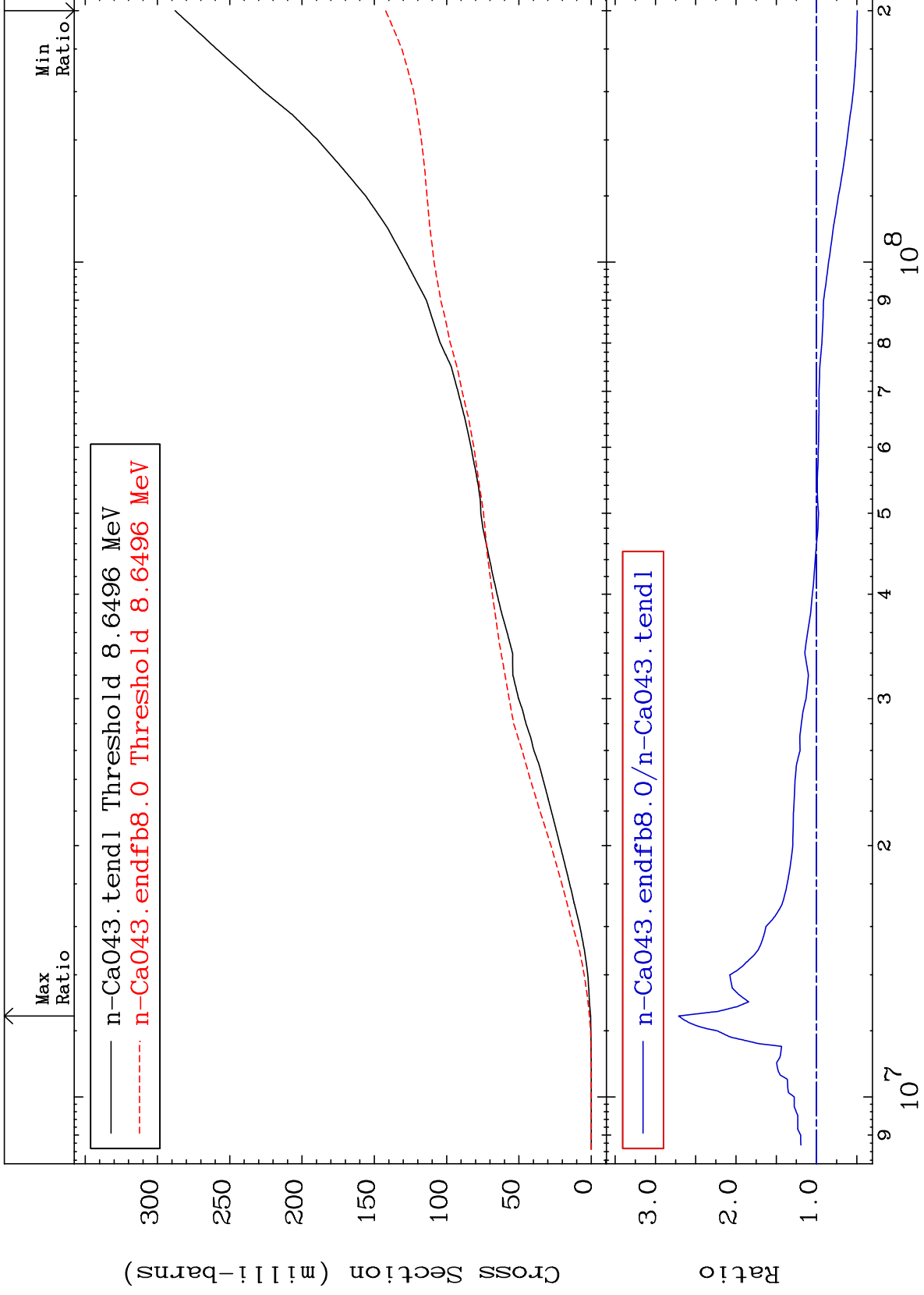
20-Ca-43  
-94.76 To 125.3 %



MAT 2034

Deuterium Production  
Cross Section

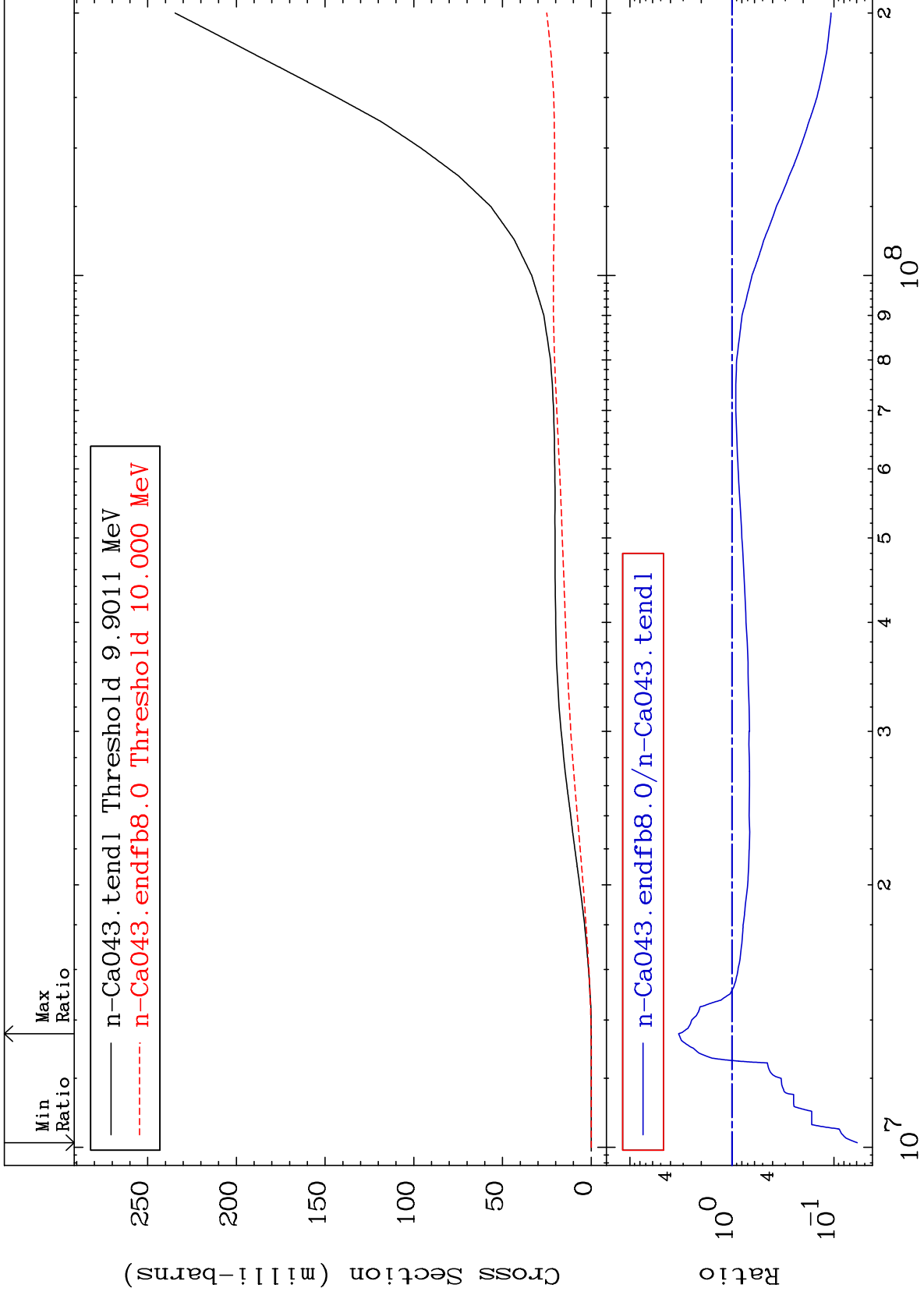
20-Ca-43  
-50.62 To 171.2 %



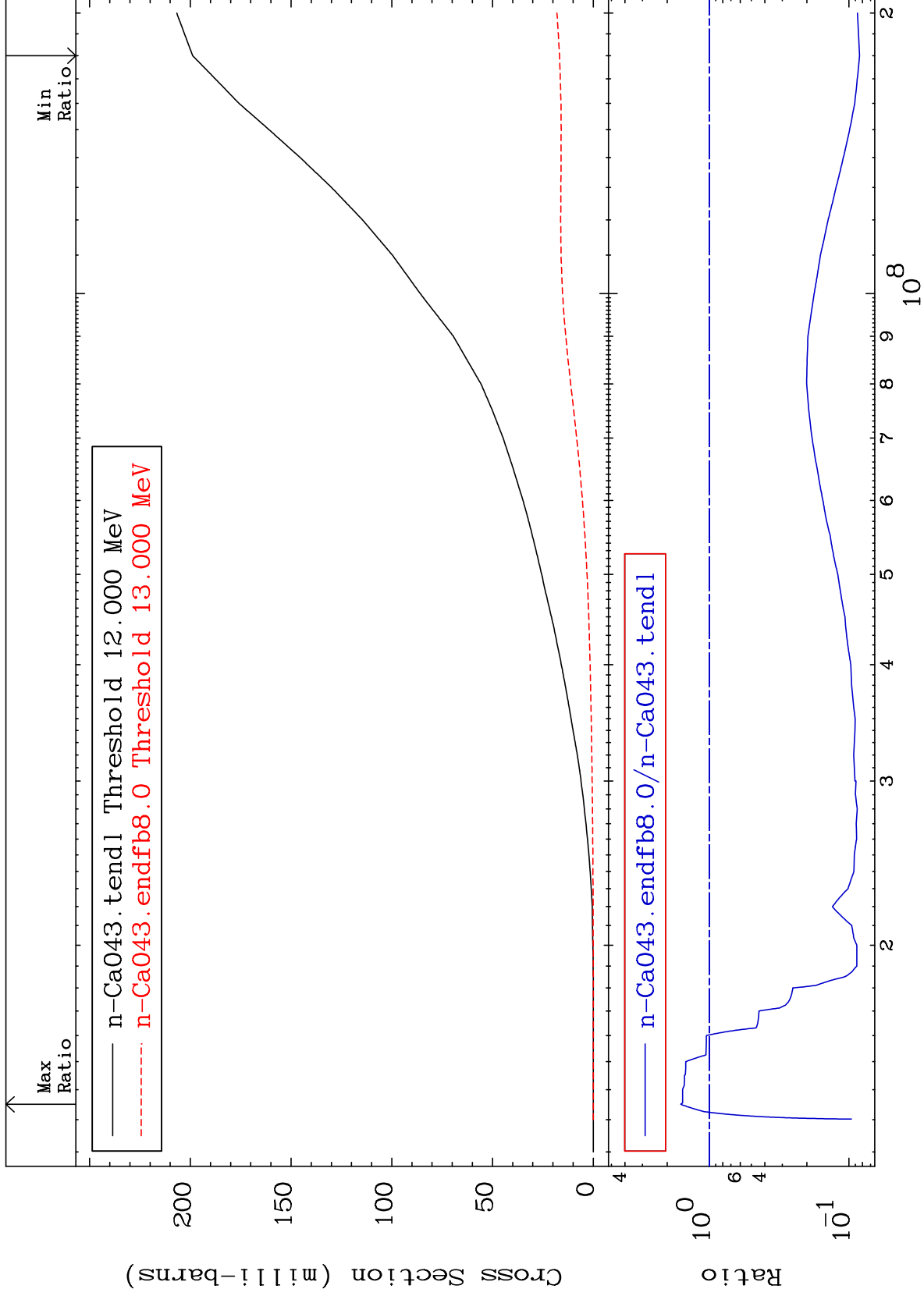
MAT 2034

Tritium Production  
Cross Section

20-Ca-43  
-94.09 To 233.0 %



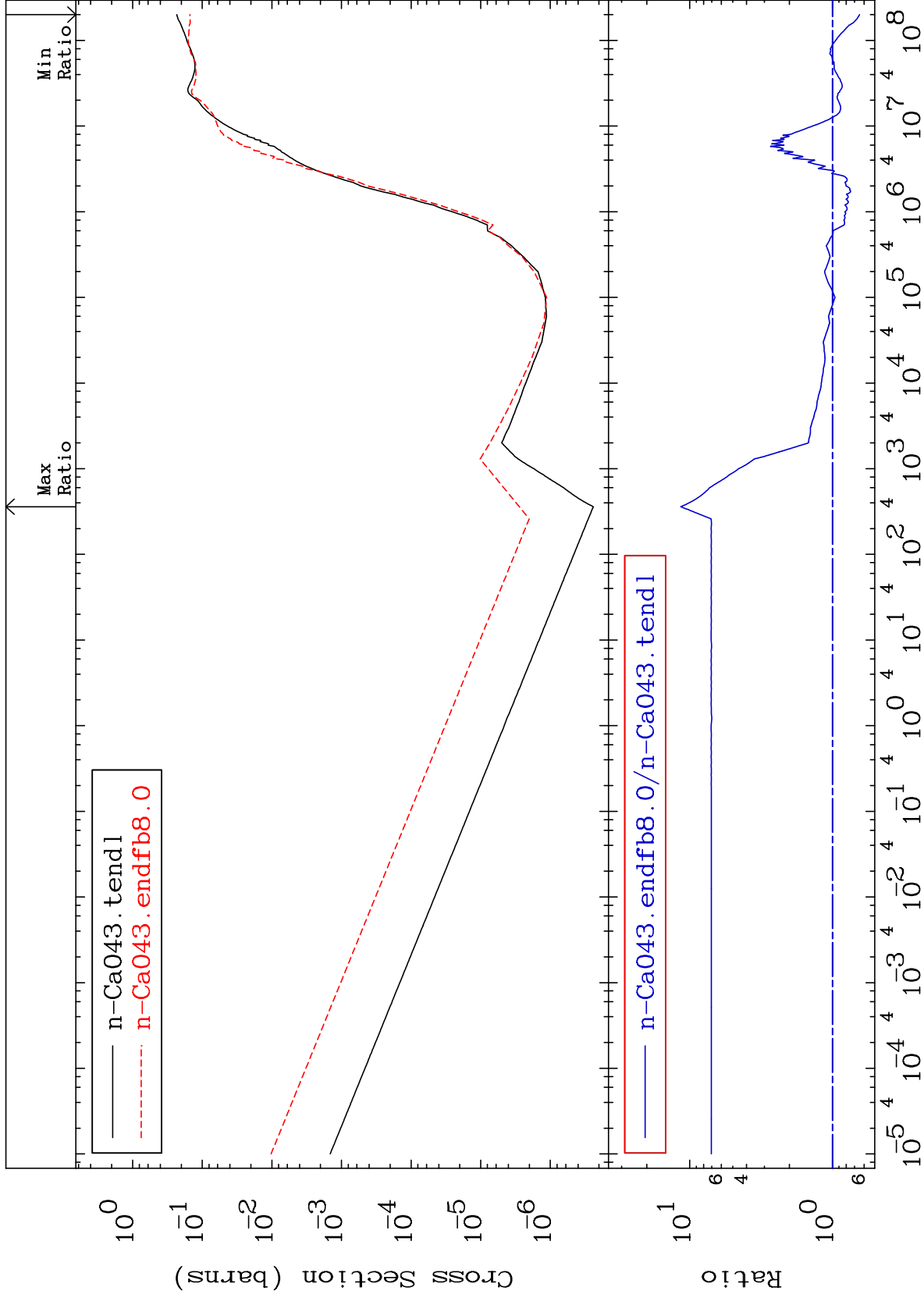
44



MAT 2034

He-4 Production  
Cross Section

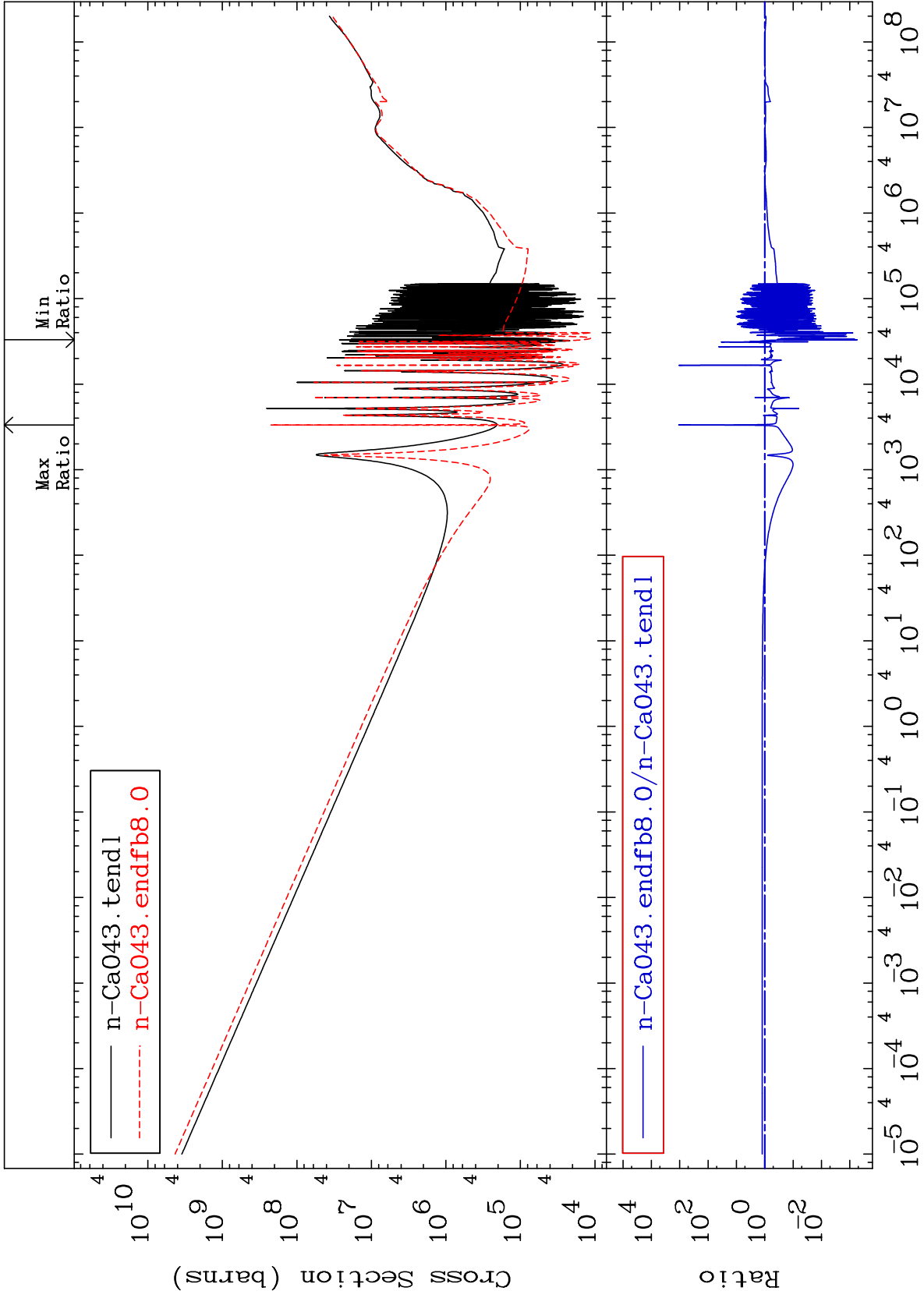
20-Ca-43  
-35.46 To 1056. %



46

Incident Energy (eV)

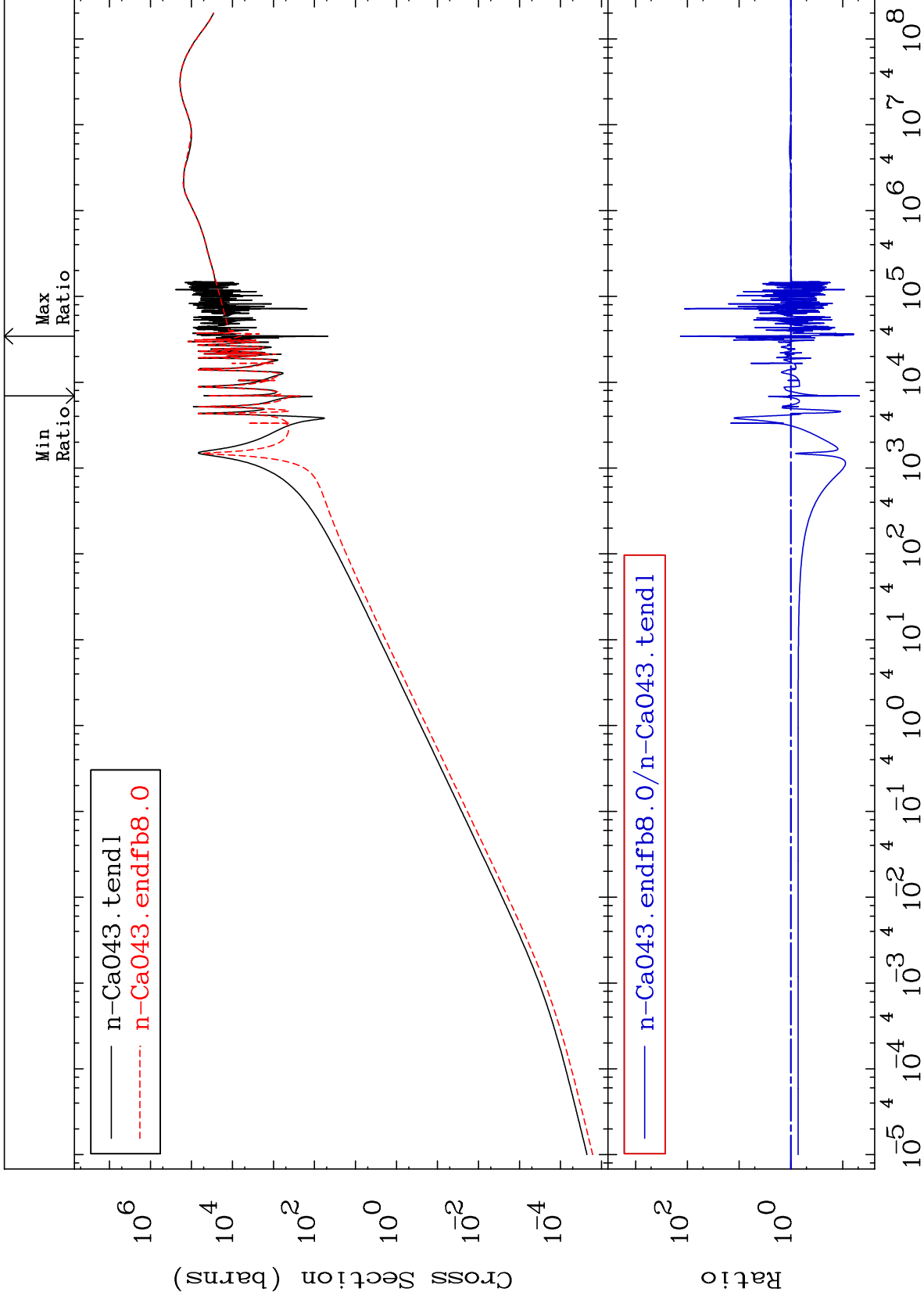
20-Ca-43



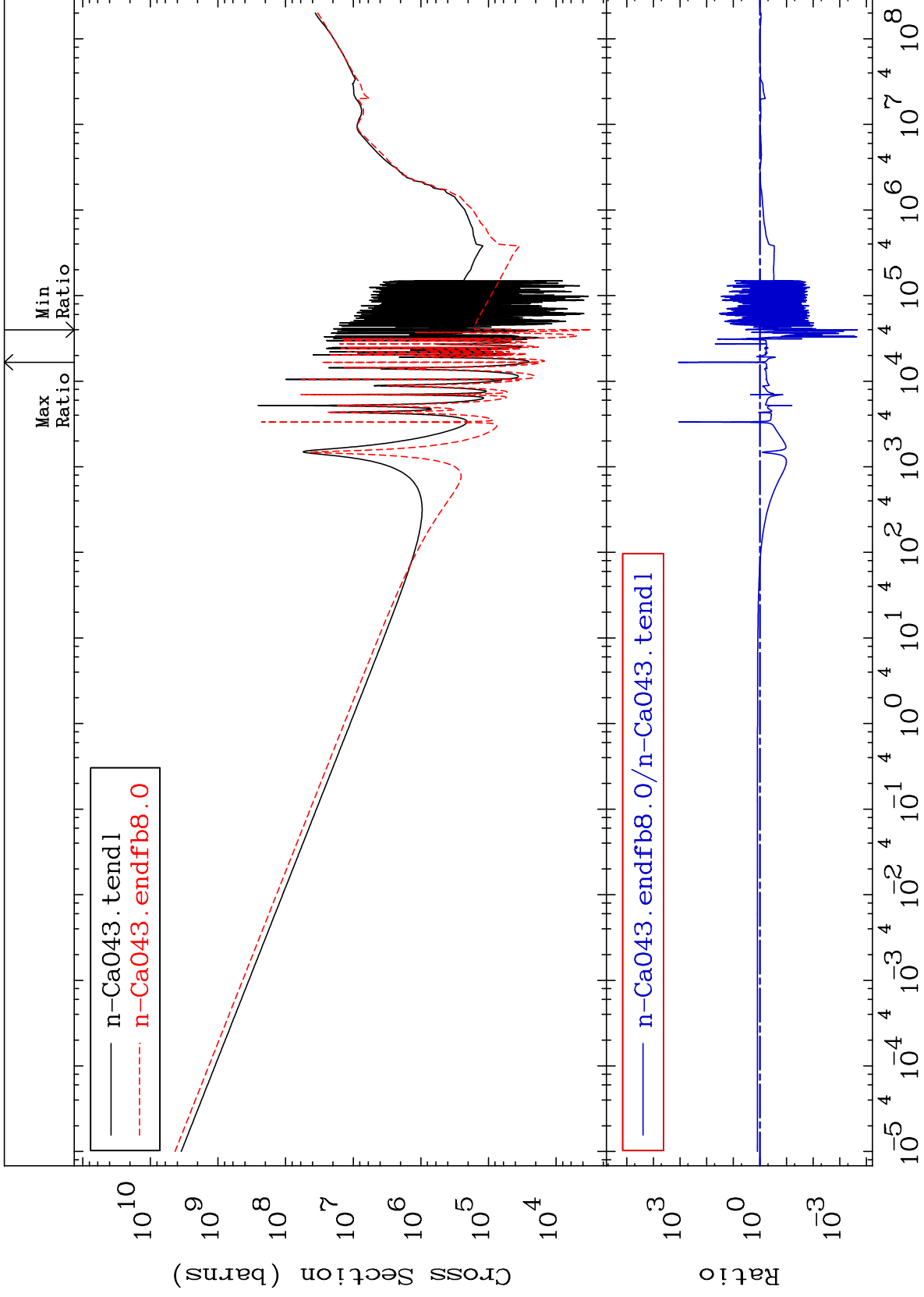
MAT 2034

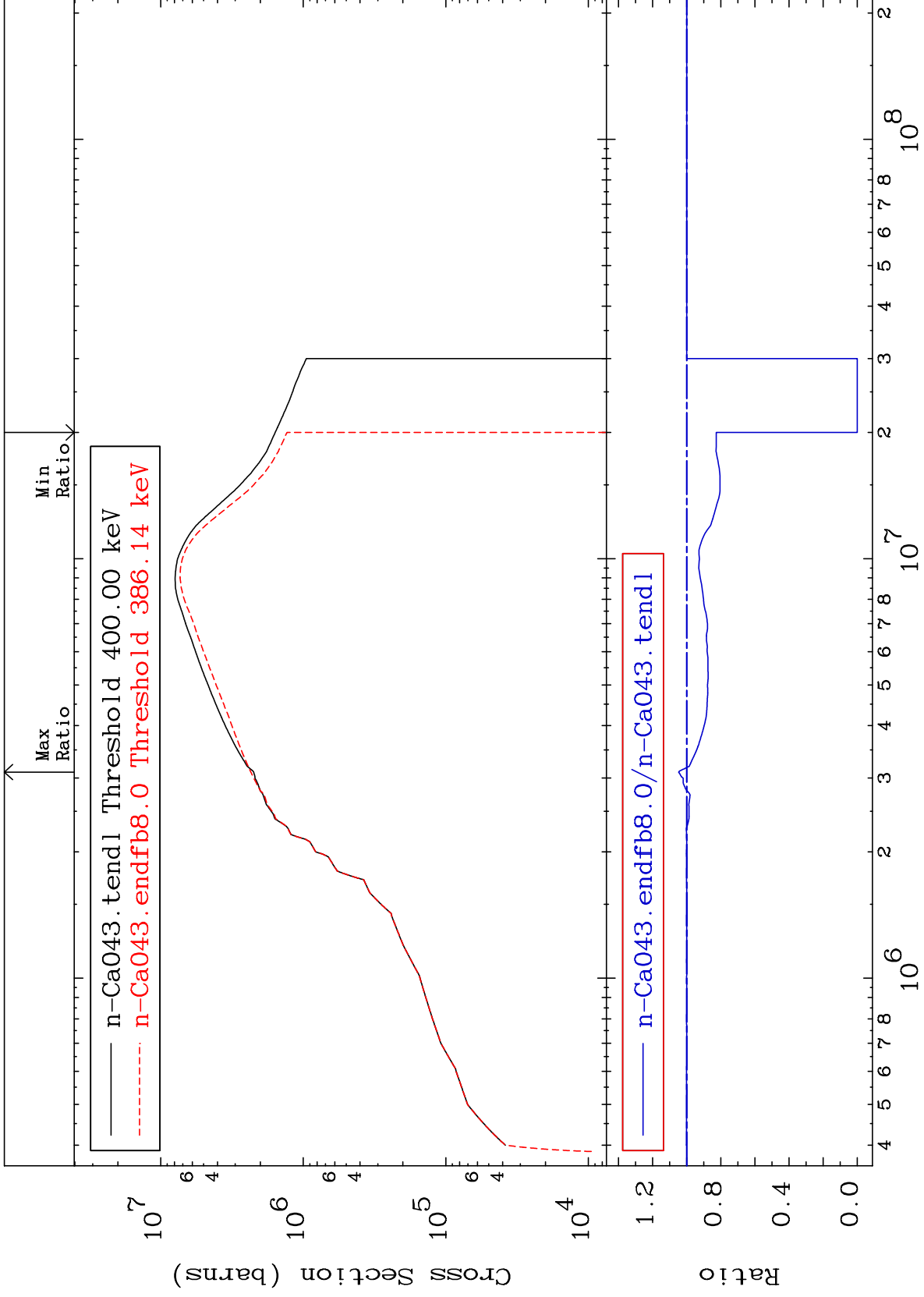
Kerma elastic  
Cross Section

20-Ca-43  
-95.26 To 9999. %





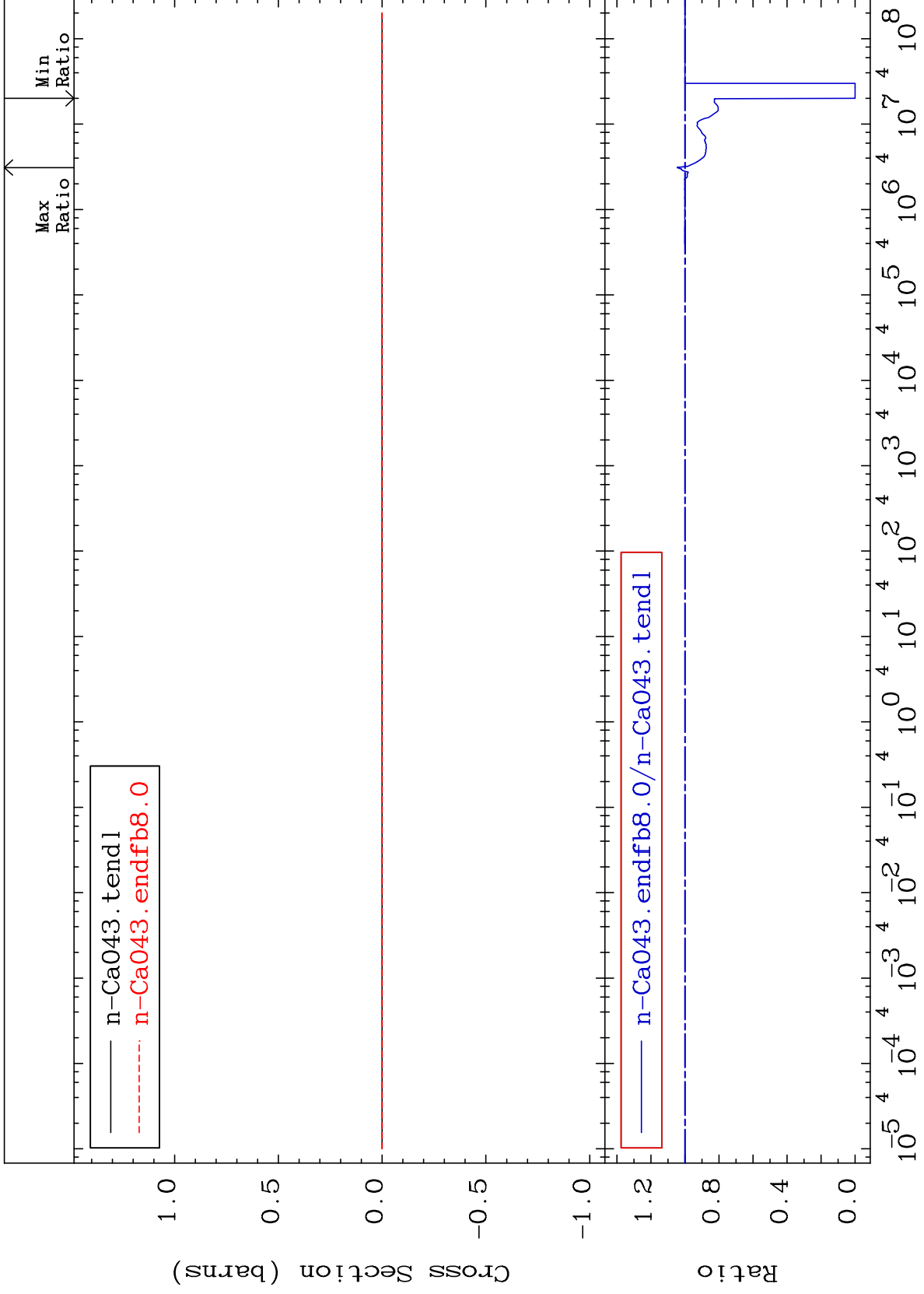




MAT 2034

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

20-Ca-43  
-100.0 To 4.745 %



MAT 2034

Kerma capture (mt102)  
Cross Section

20-Ca-43  
-100.0 To 9999. %

