

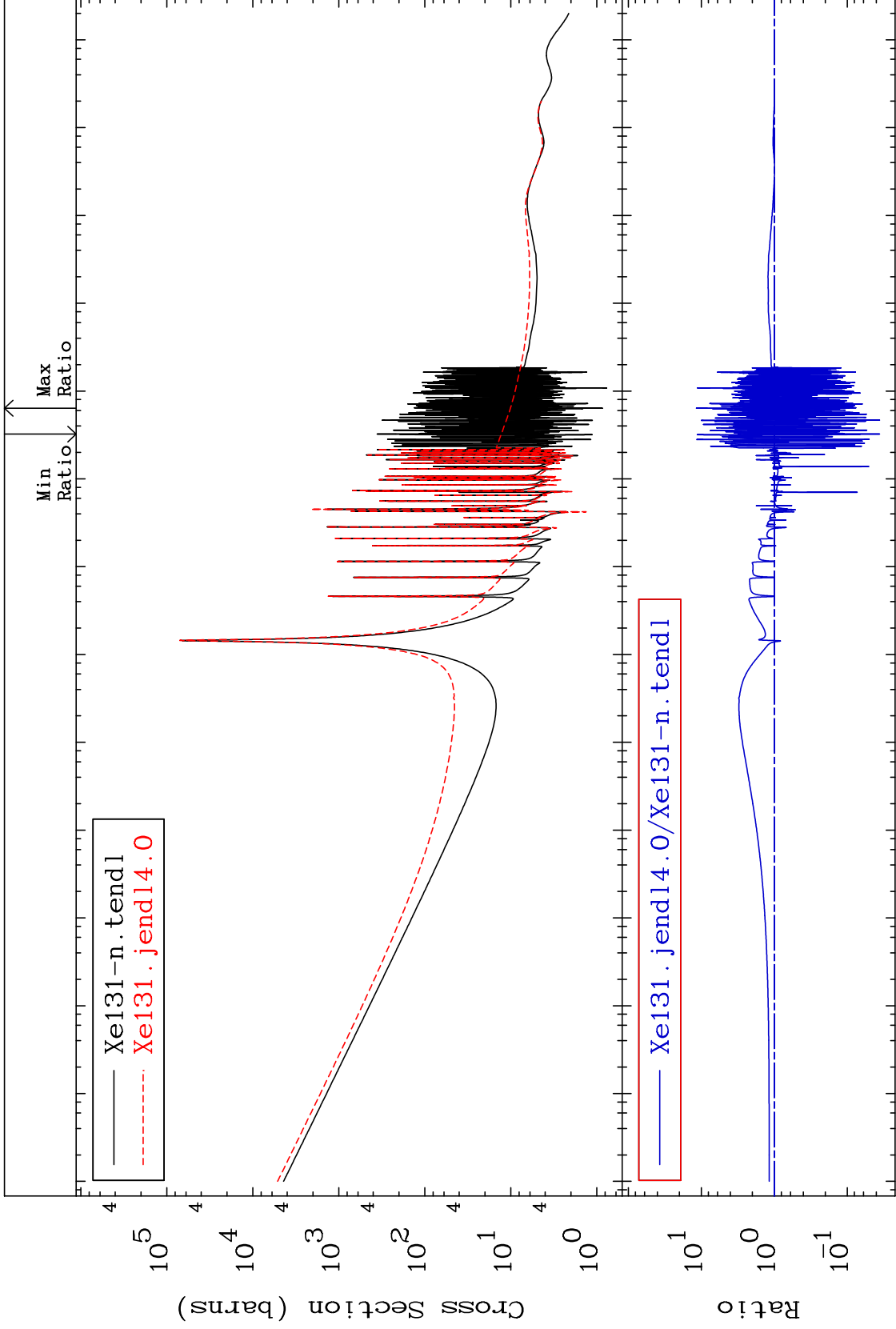
MAT 5446

Total

54-Xe-131

Cross Section

-96.39 To 1073. %



Incident Energy (eV)

54-Xe-131

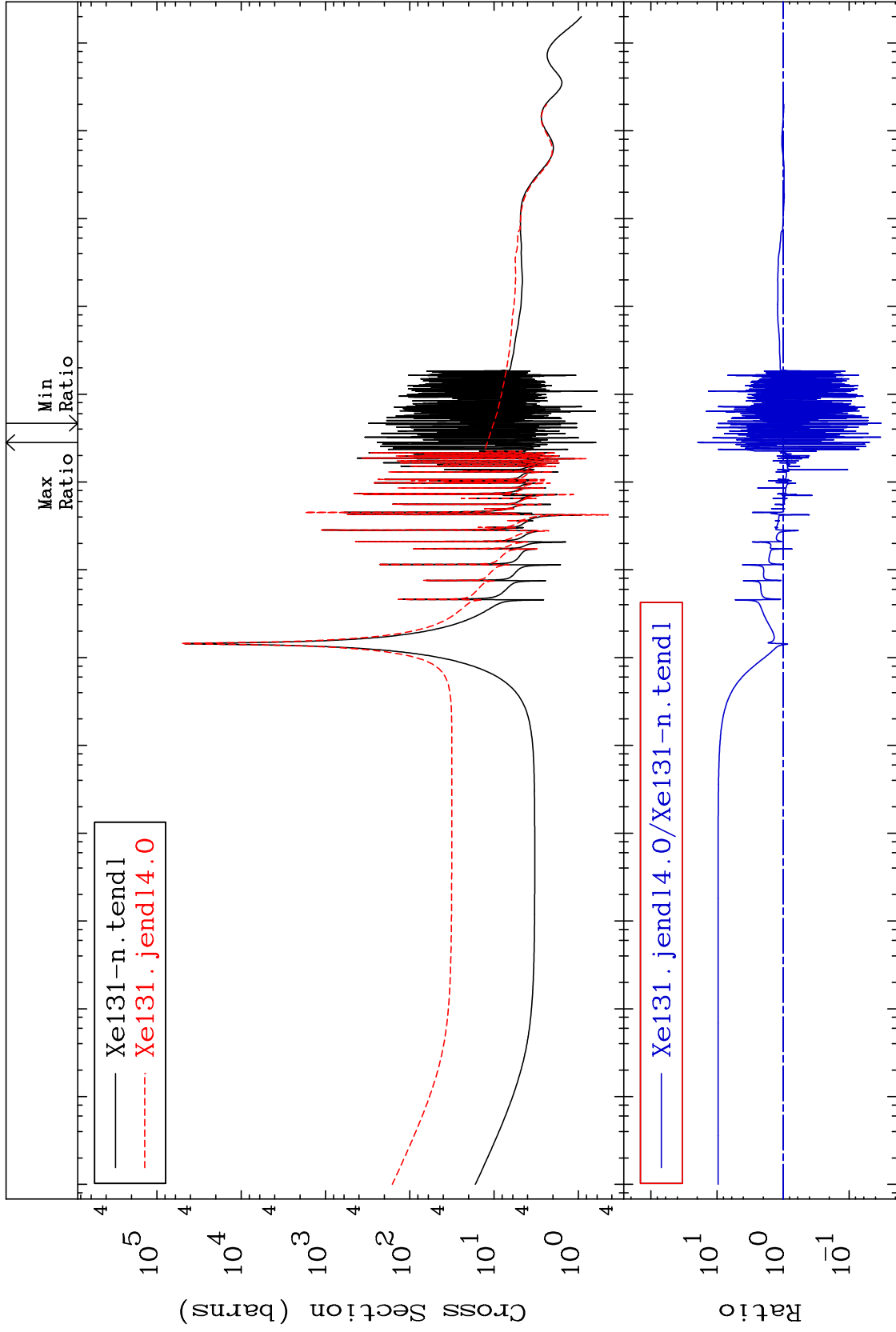
MAT 5446

Elastic

54-Xe-131

Cross Section

-96.71 To 1851. %



Incident Energy (eV)

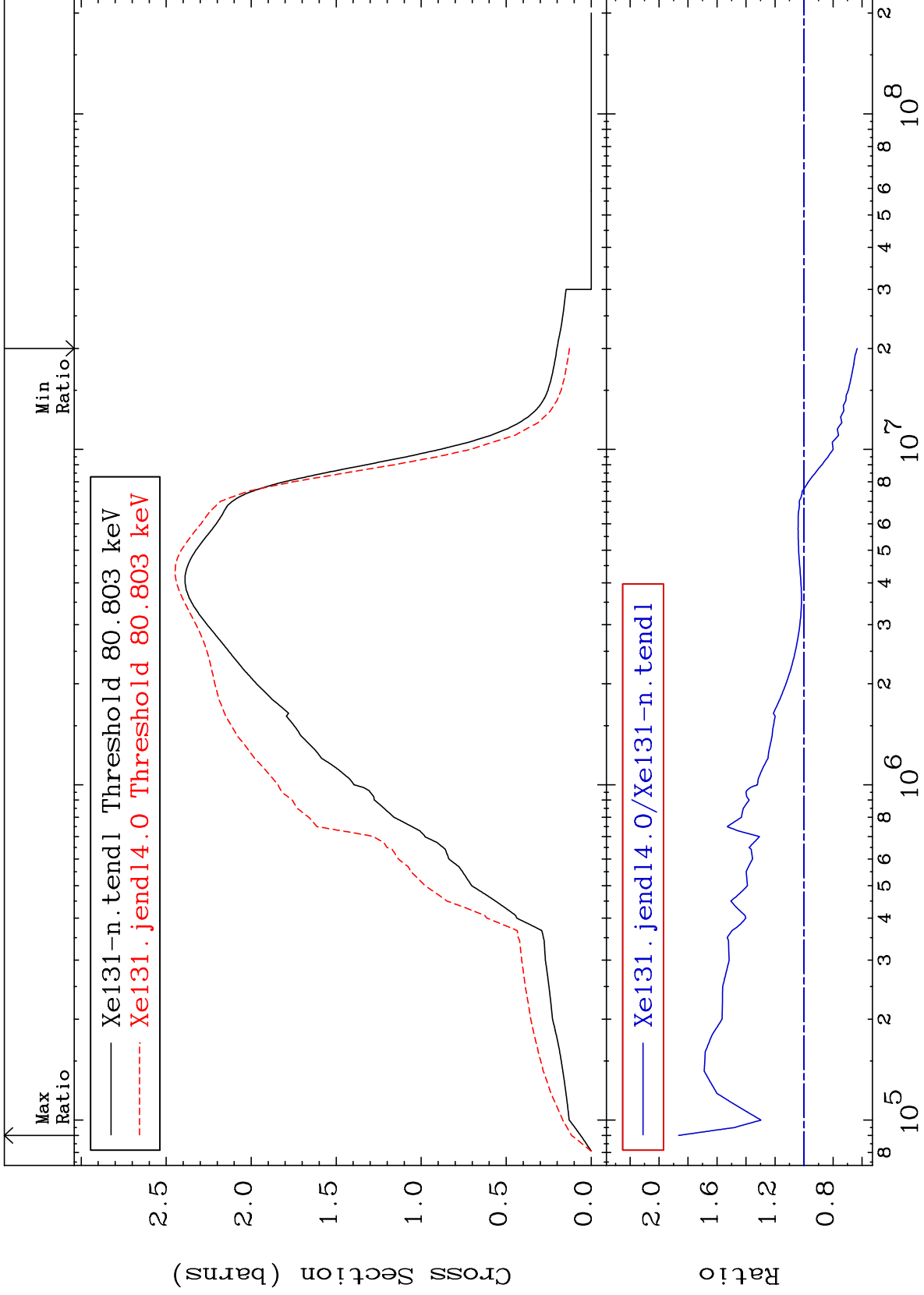
54-Xe-131

2

MAT 5446

Inelastic  
Cross Section

54-Xe-131  
-36.70 To 86.48 %



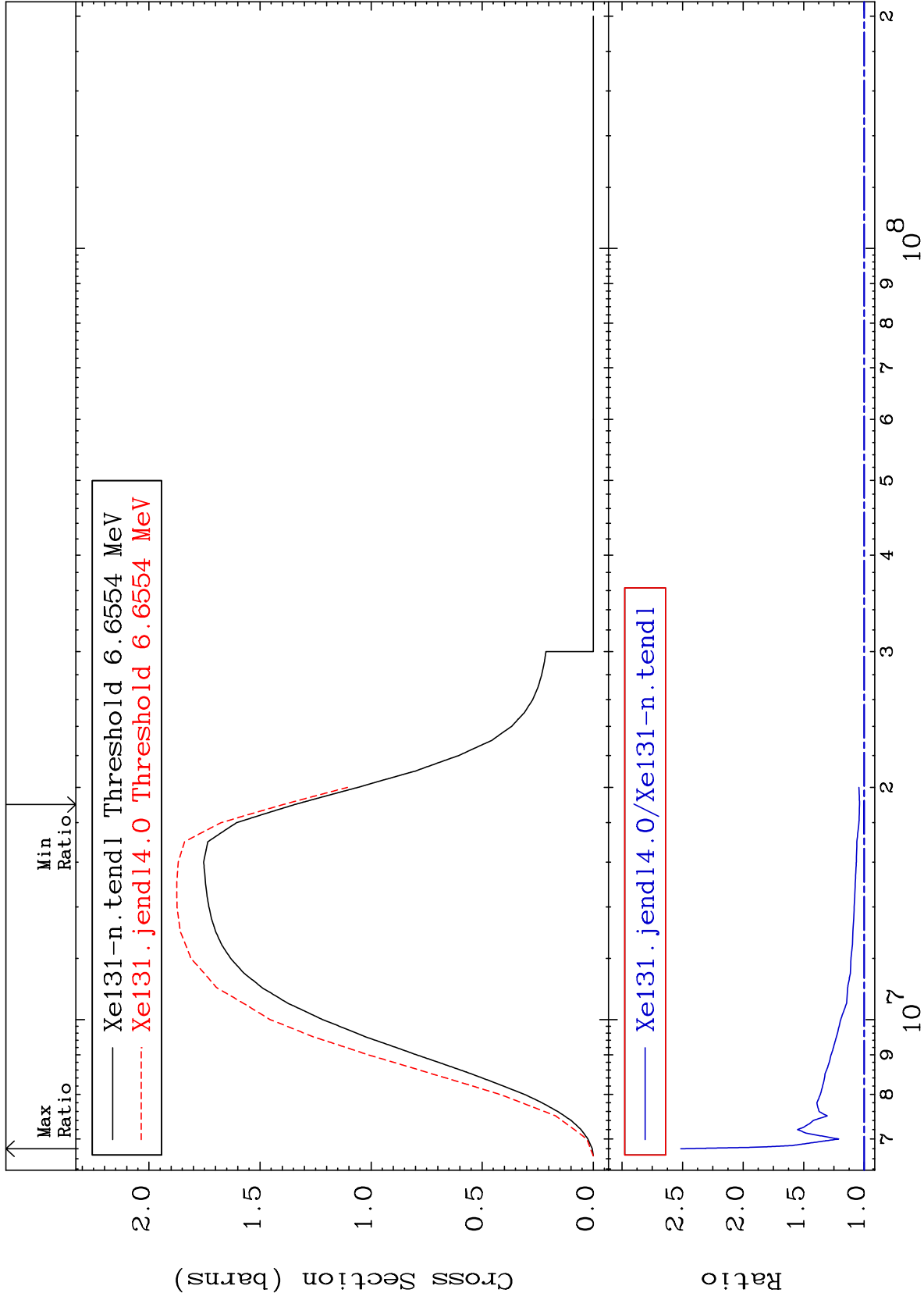
3

Incident Energy (eV)

54-Xe-131

MAT 5446

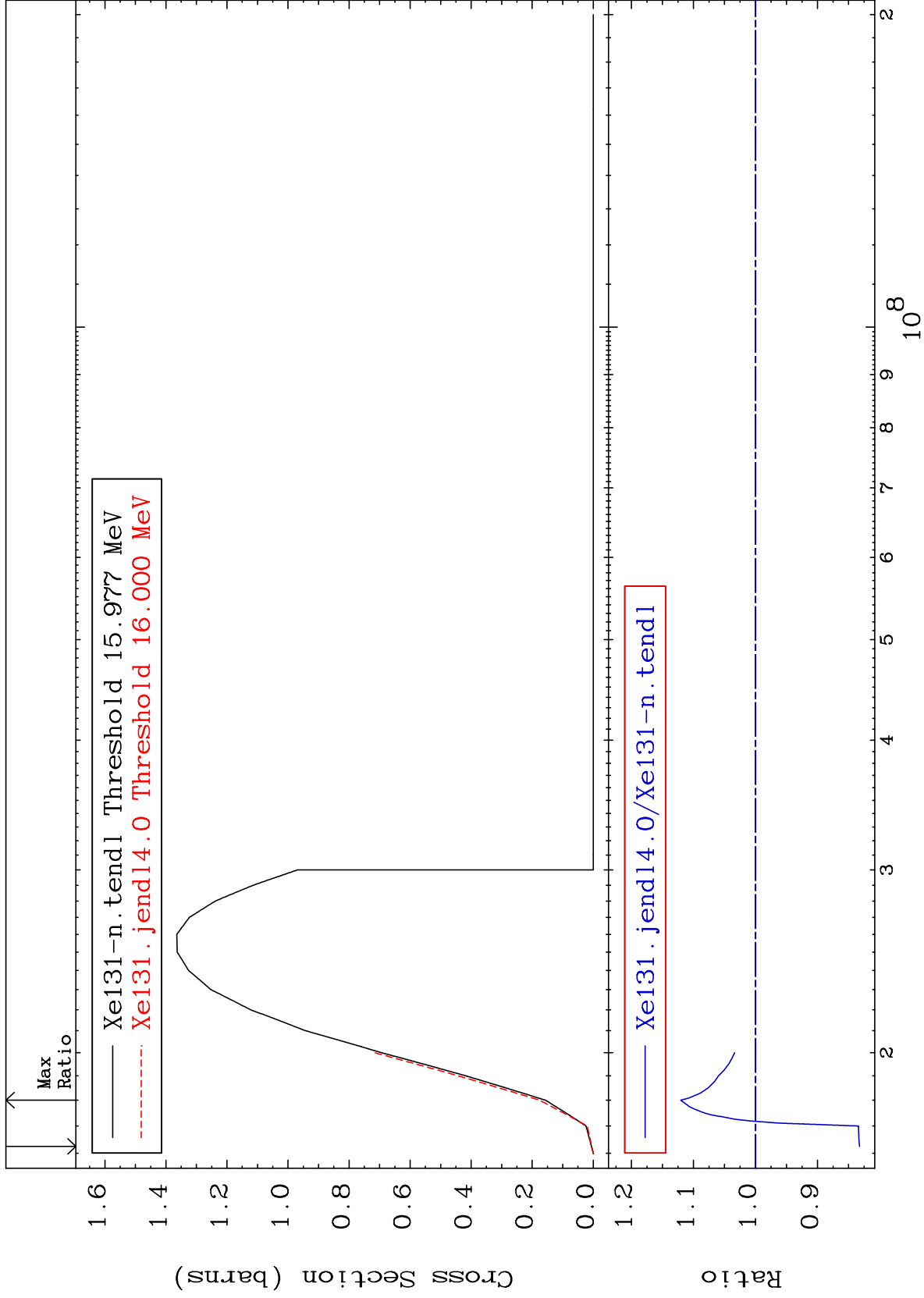
(n,2n)  
Cross Section  
54-Xe-131  
3.857 To 151.5 %



4

Incident Energy (eV)

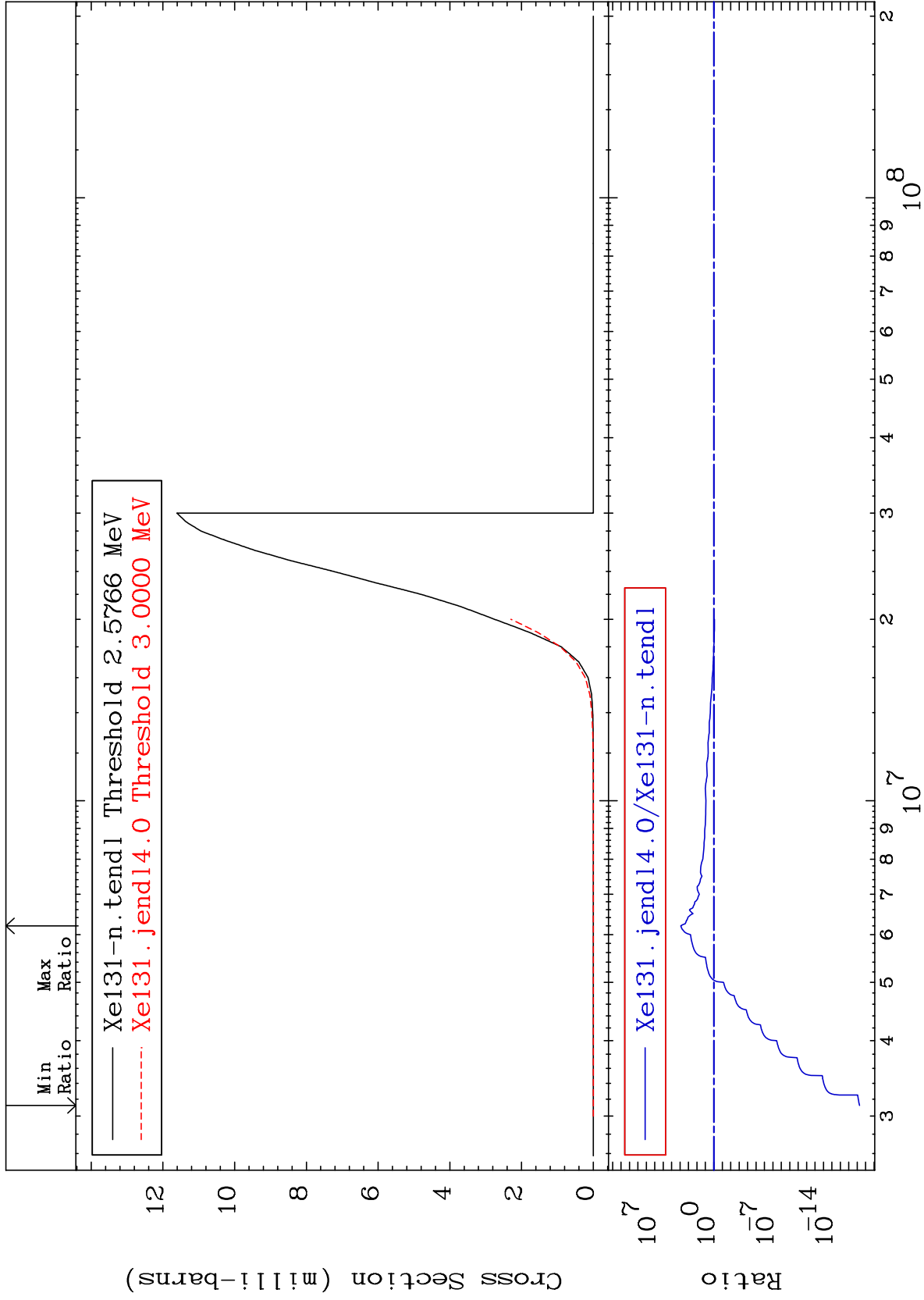
54-Xe-131



MAT 5446

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

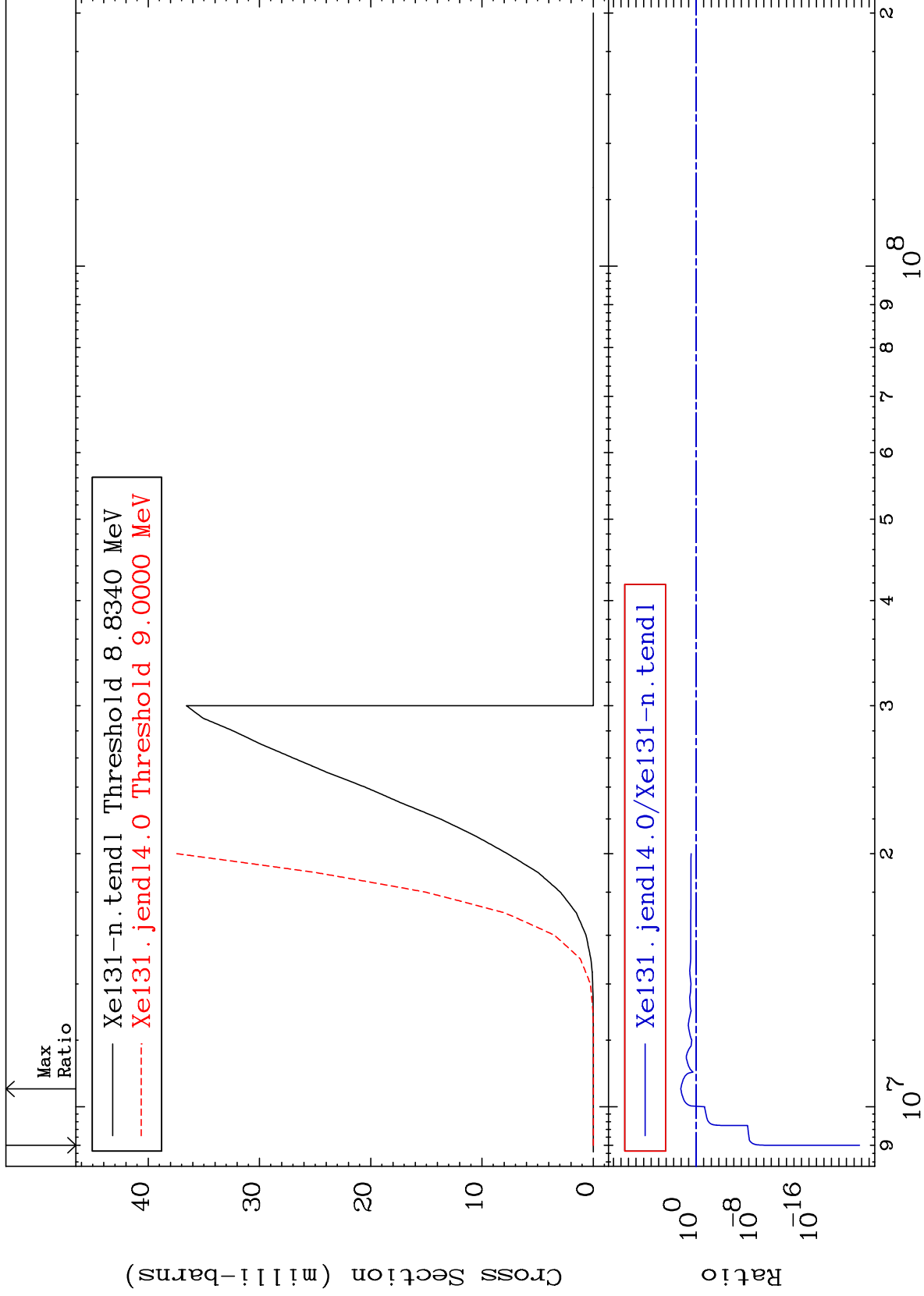
54-Xe-131  
-100.0 To 9999. %



MAT 5446

(n,n') p  
Cross Section

54-Xe-131  
-100.0 To 9999. %



7

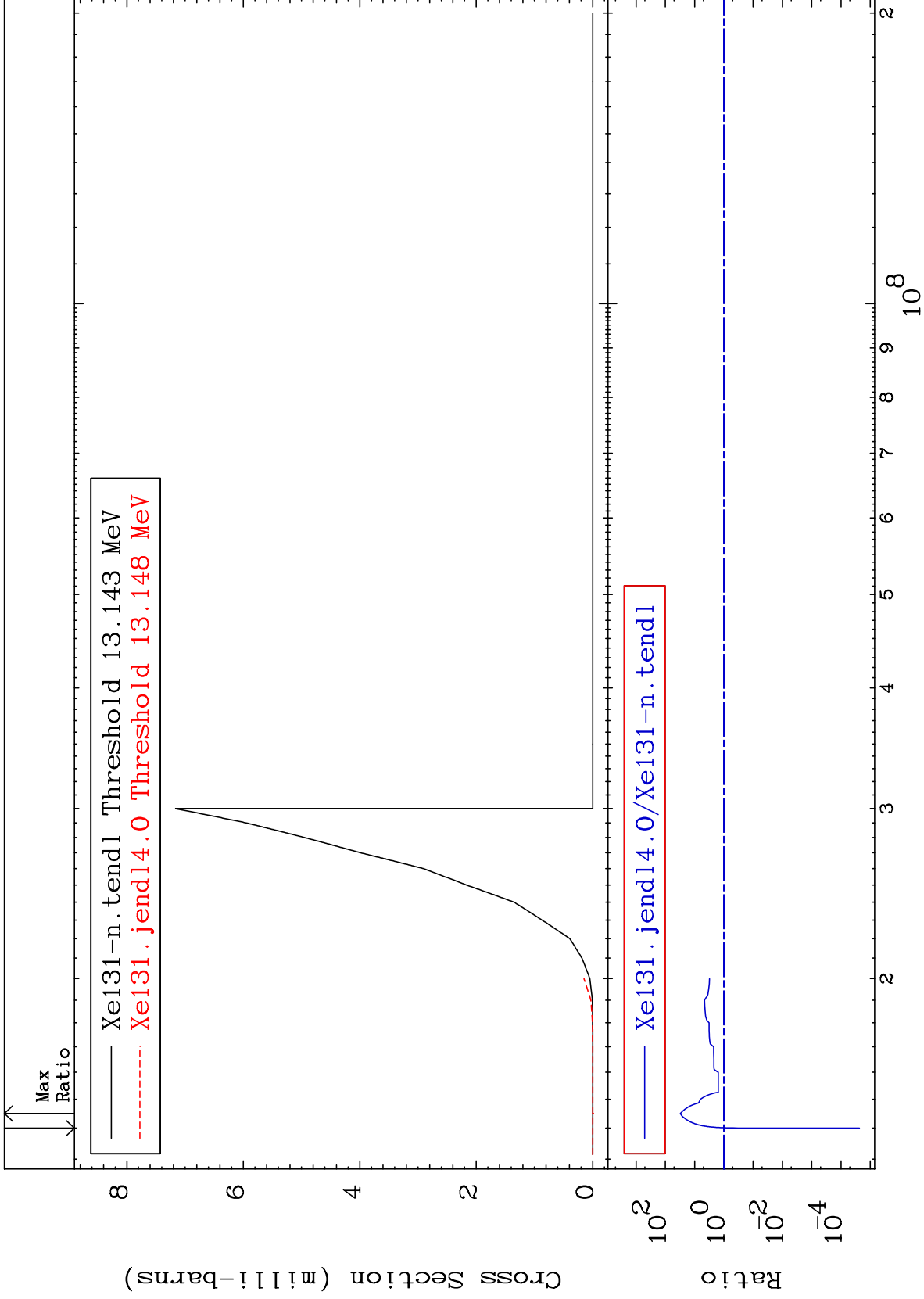
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,n') d  
Cross Section

54-Xe-131  
-100.0 To 2965. %

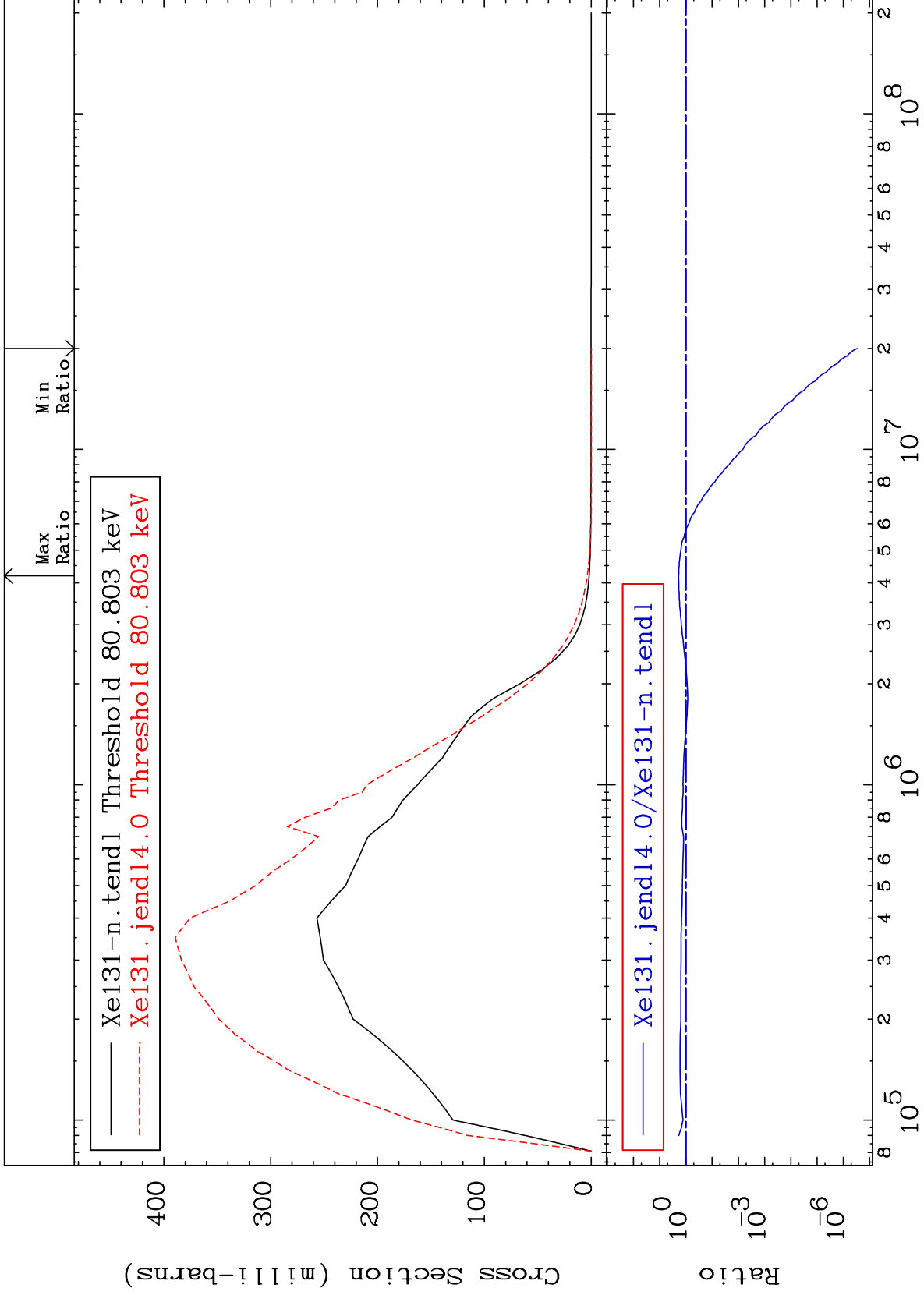




MAT 5446

80.18 keV (n,n') Level  
Cross Section

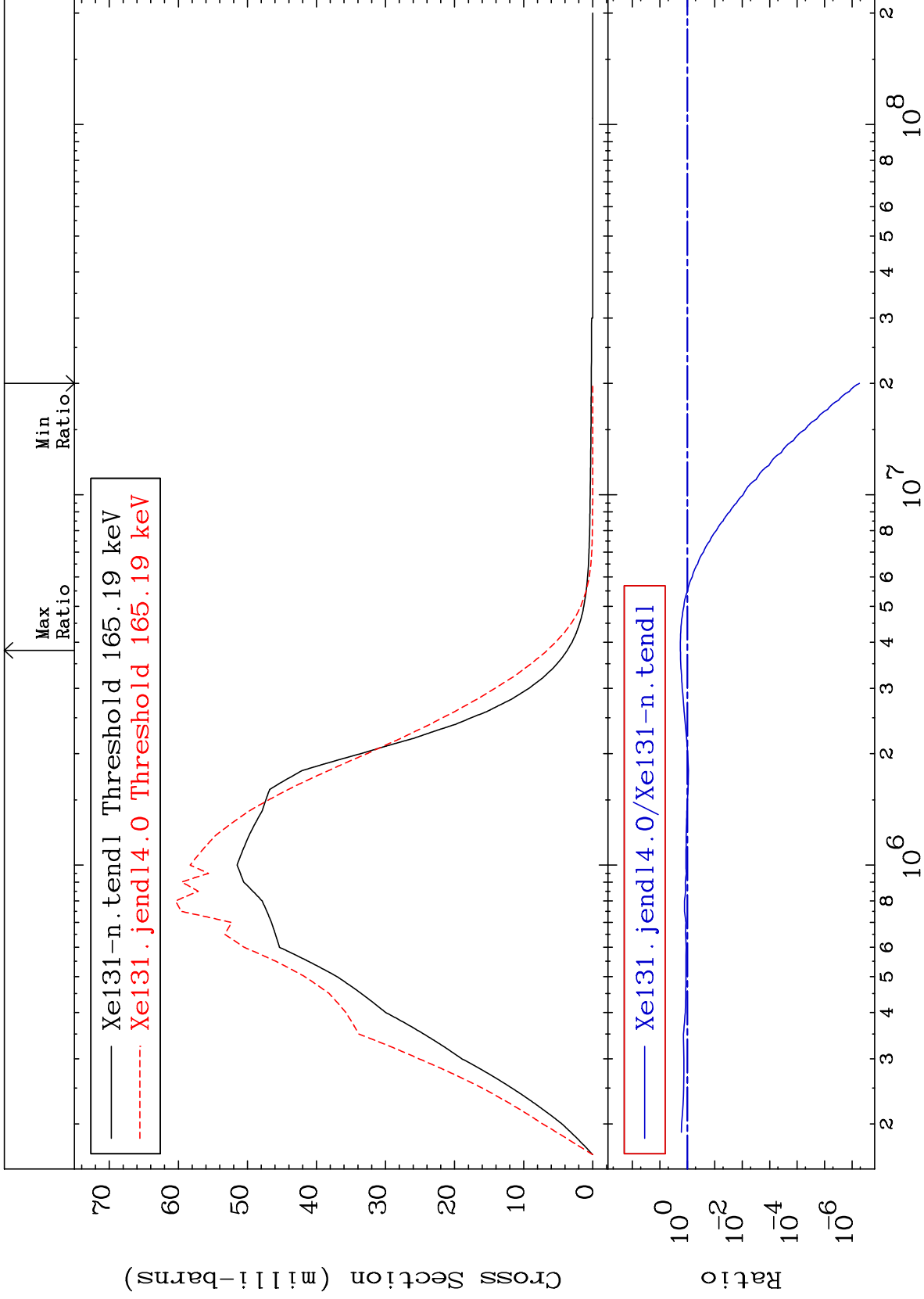
54-Xe-131  
-100.0 To 89.56 %



MAT 5446

163.9 keV (n,n') Level  
Cross Section

54-Xe-131  
-100.0 To 79.38 %



10

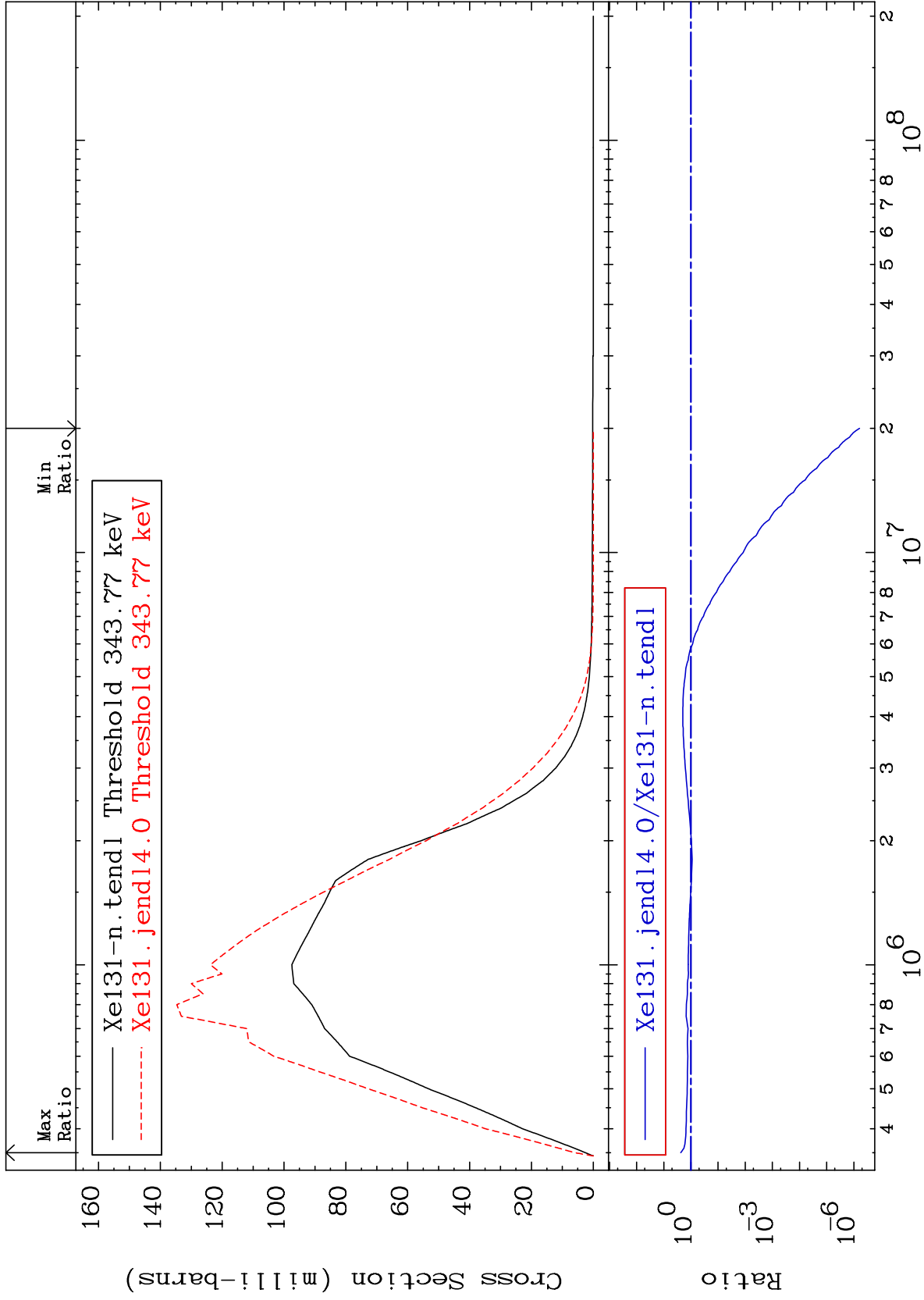
Incident Energy (eV)

54-Xe-131

MAT 5446

341.1 keV (n,n') Level  
Cross Section

54-Xe-131  
-100.0 To 136.8 %



11

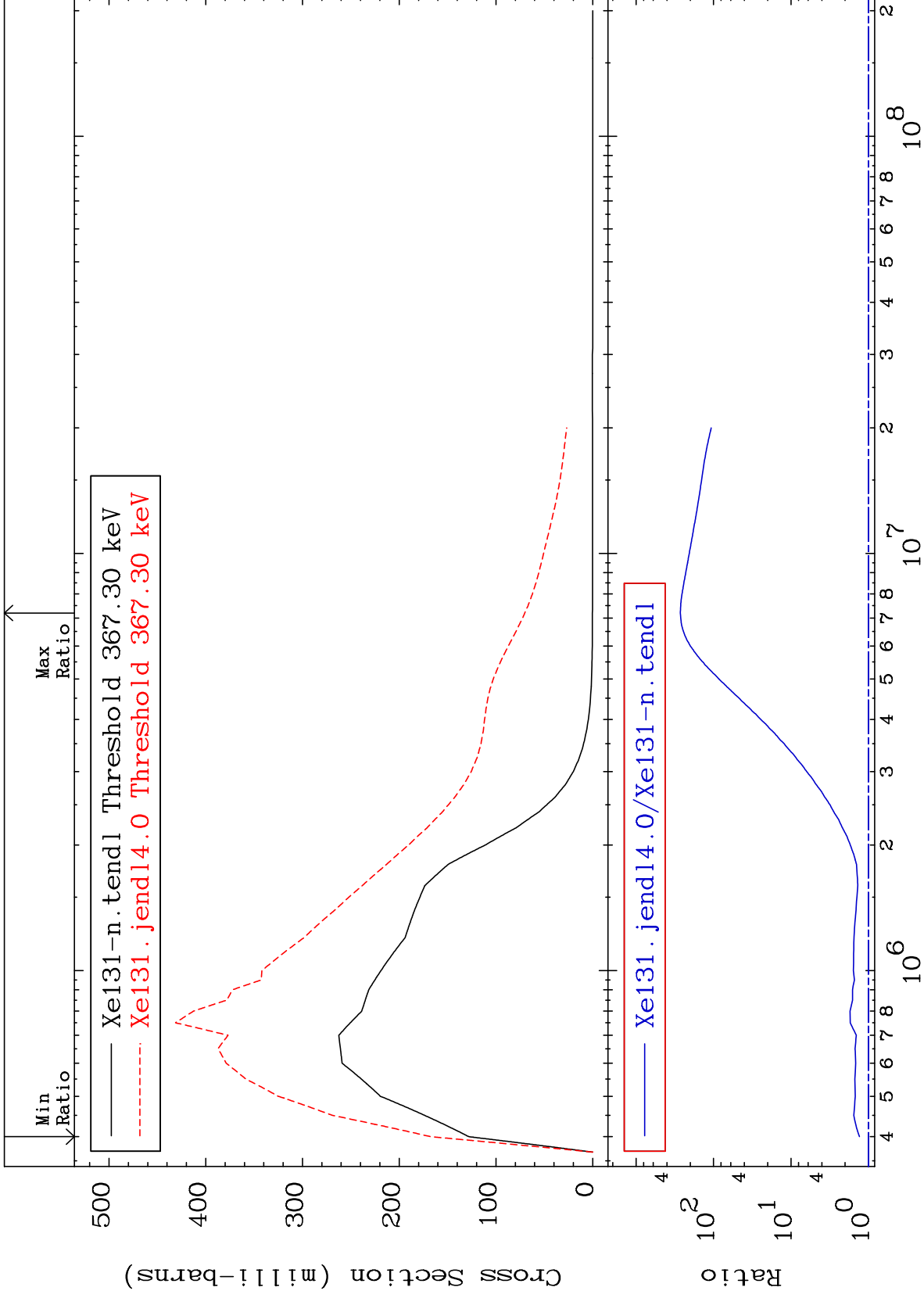
Incident Energy (eV)

54-Xe-131

MAT 5446

364.5 keV (n,n') Level  
Cross Section

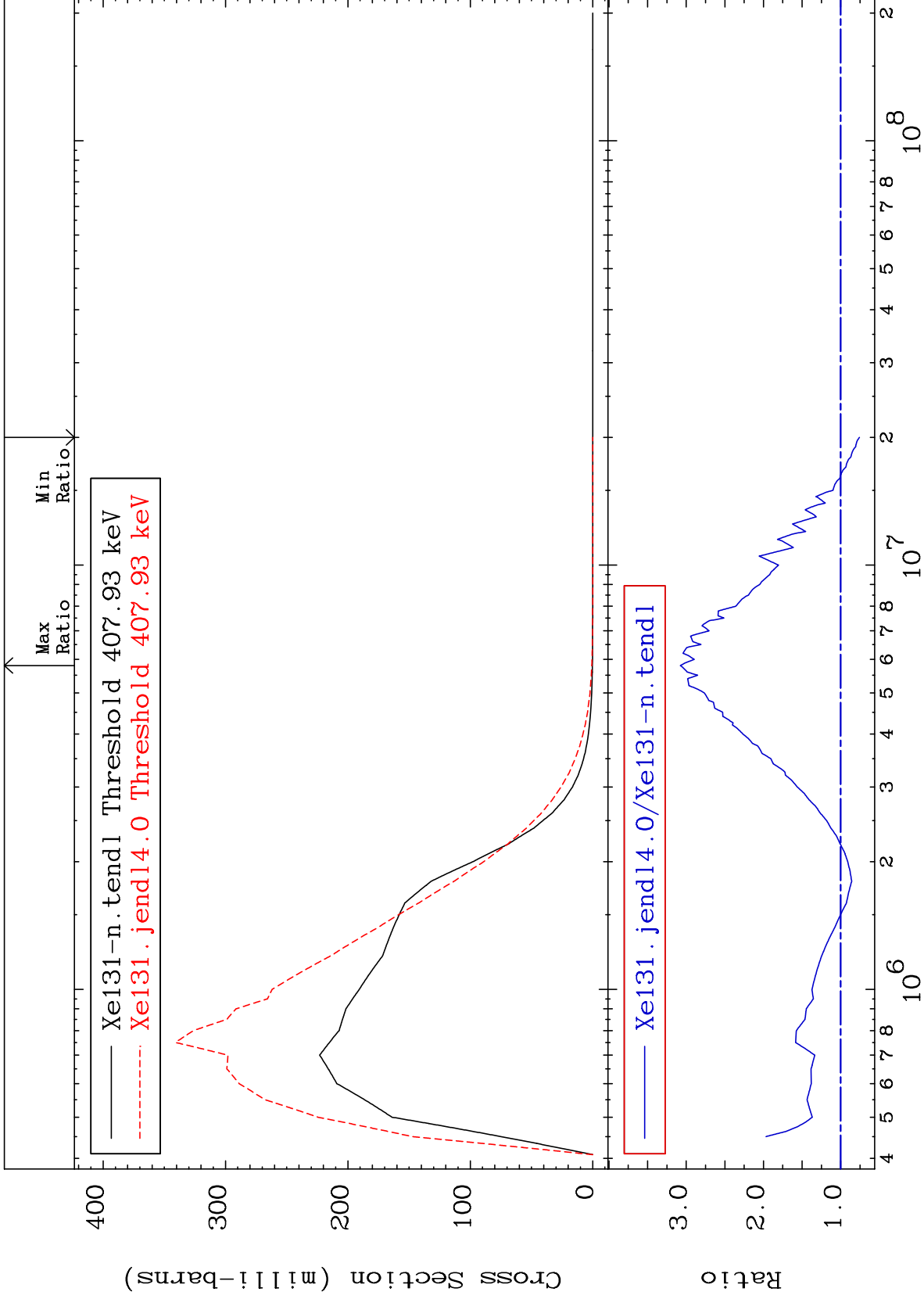
54-Xe-131  
30.73 To 9999. %



MAT 5446

404.8 keV (n,n') Level  
Cross Section

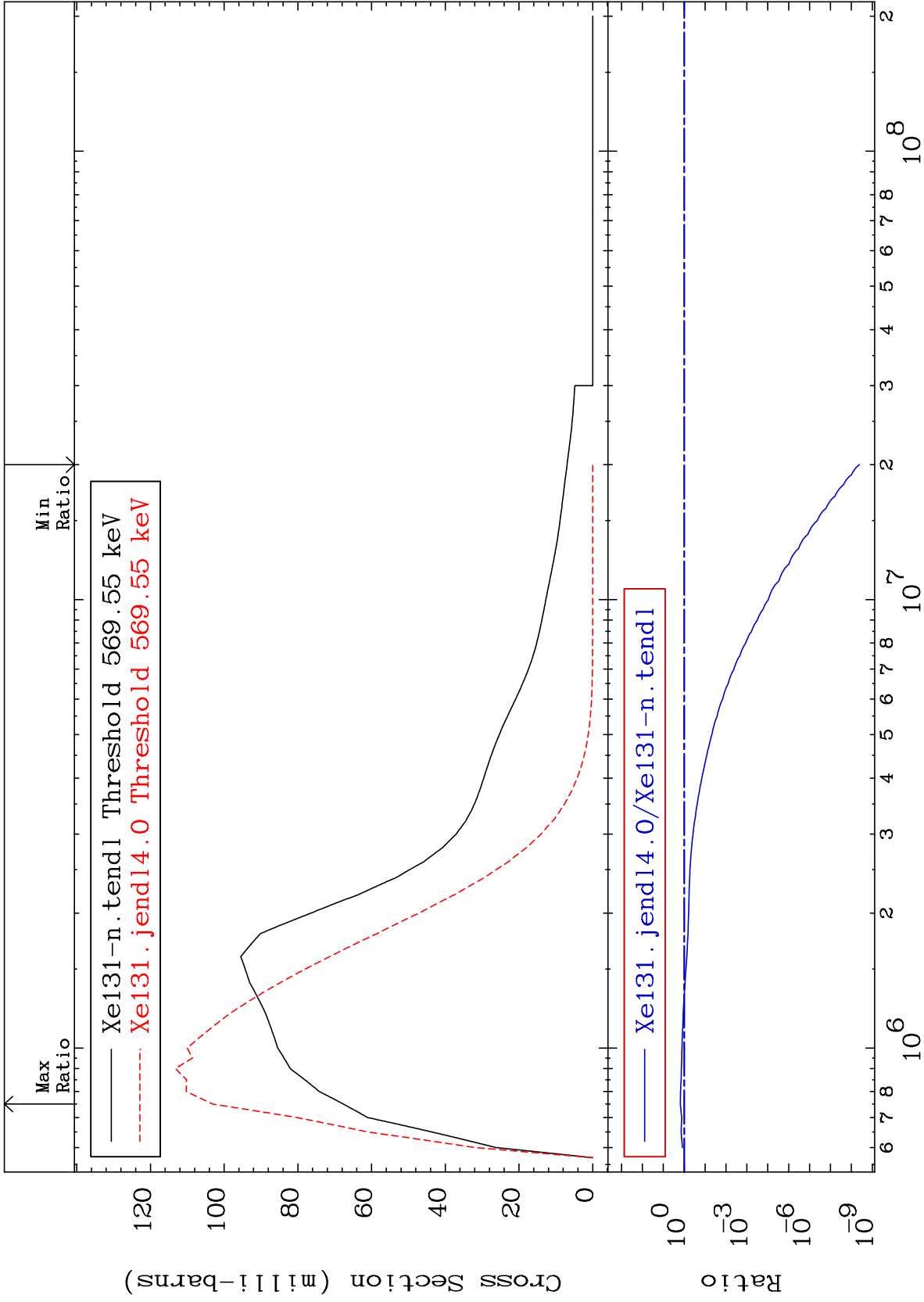
54-Xe-131  
-24.20 To 207.6 %



MAT 5446

565.2 keV (n,n') Level  
Cross Section

54-Xe-131  
-100.0 To 52.45 %



14

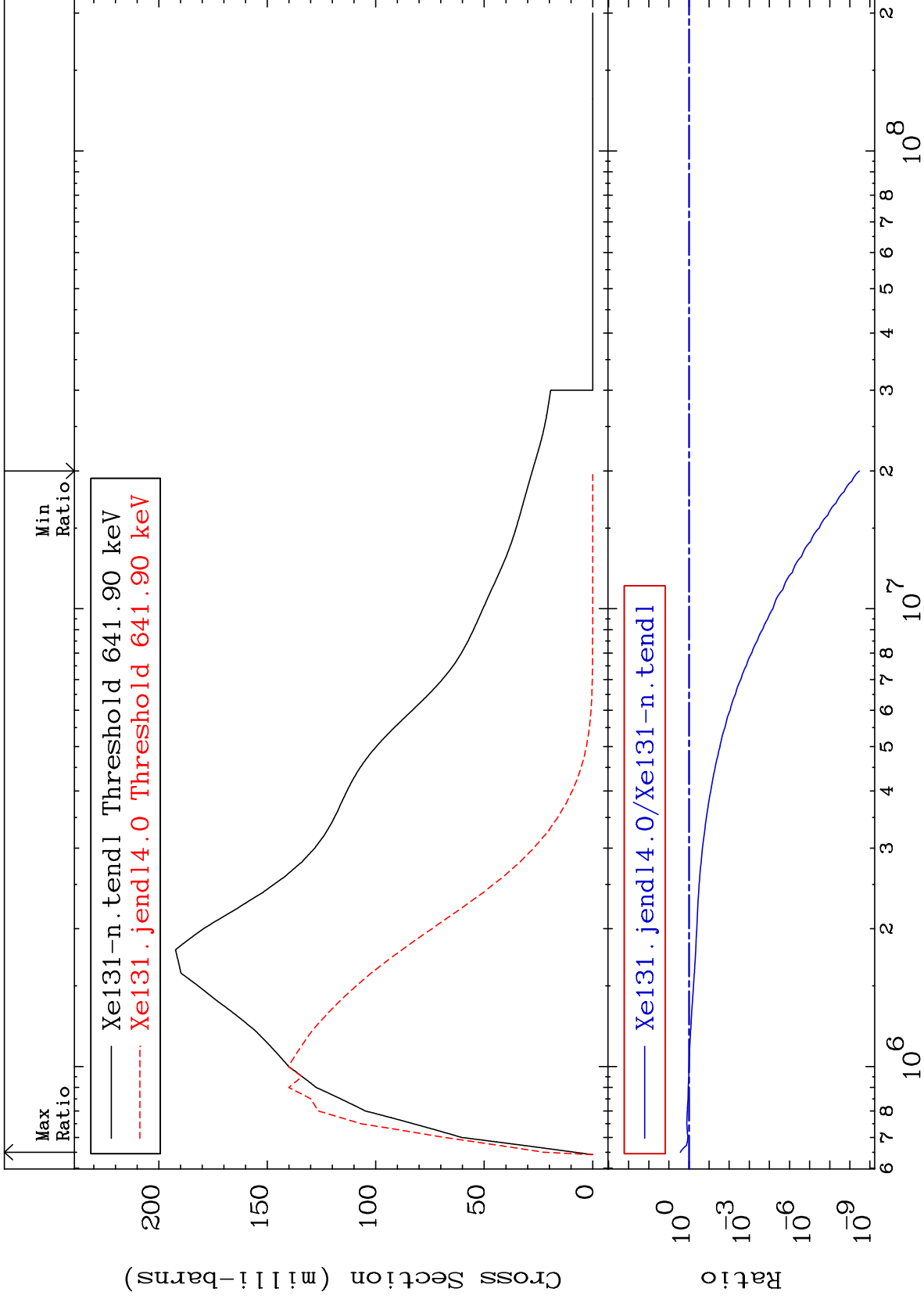
Incident Energy (eV)

54-Xe-131

MAT 5446

637.0 keV (n,n') Level  
Cross Section

54-Xe-131  
-100.0 To 168.3 %



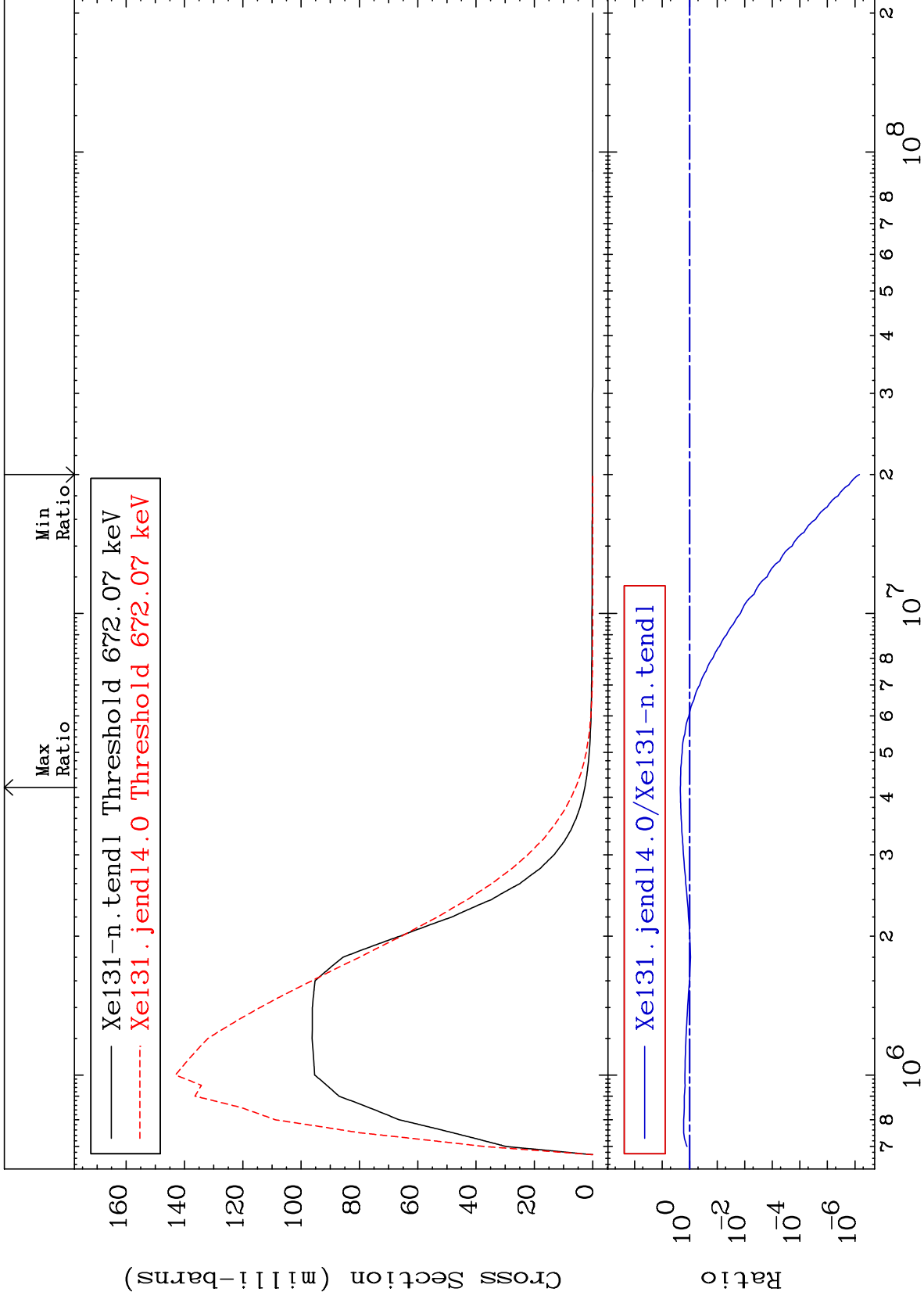
15

54-Xe-131

MAT 5446

666.9 keV (n,n') Level  
Cross Section

54-Xe-131  
-100.0 To 117.8 %



16

Incident Energy (eV)

54-Xe-131



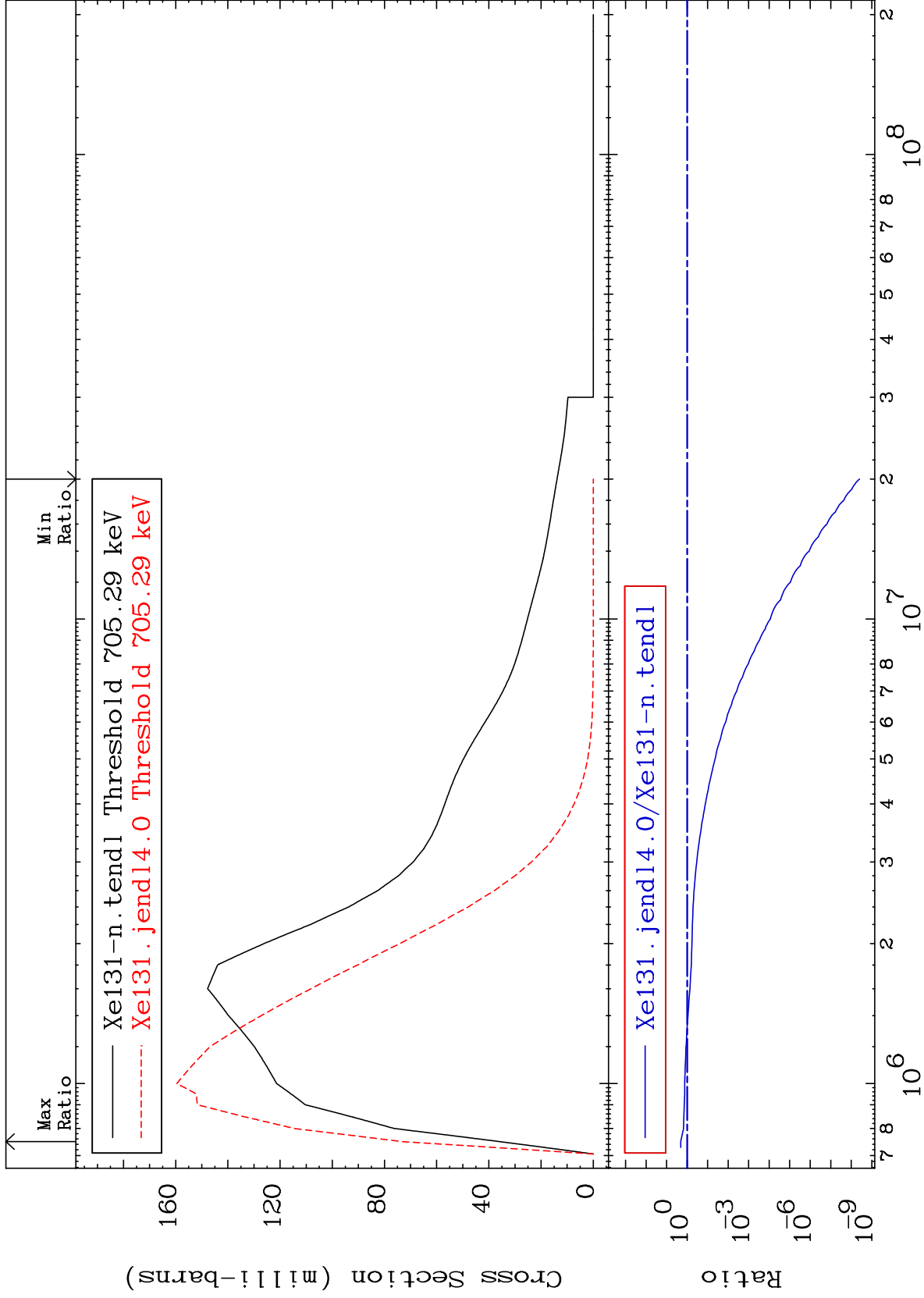
MAT 5446

699.9 keV (n,n') Level

54-Xe-131

-100.0 To 104.1 %

Cross Section



17

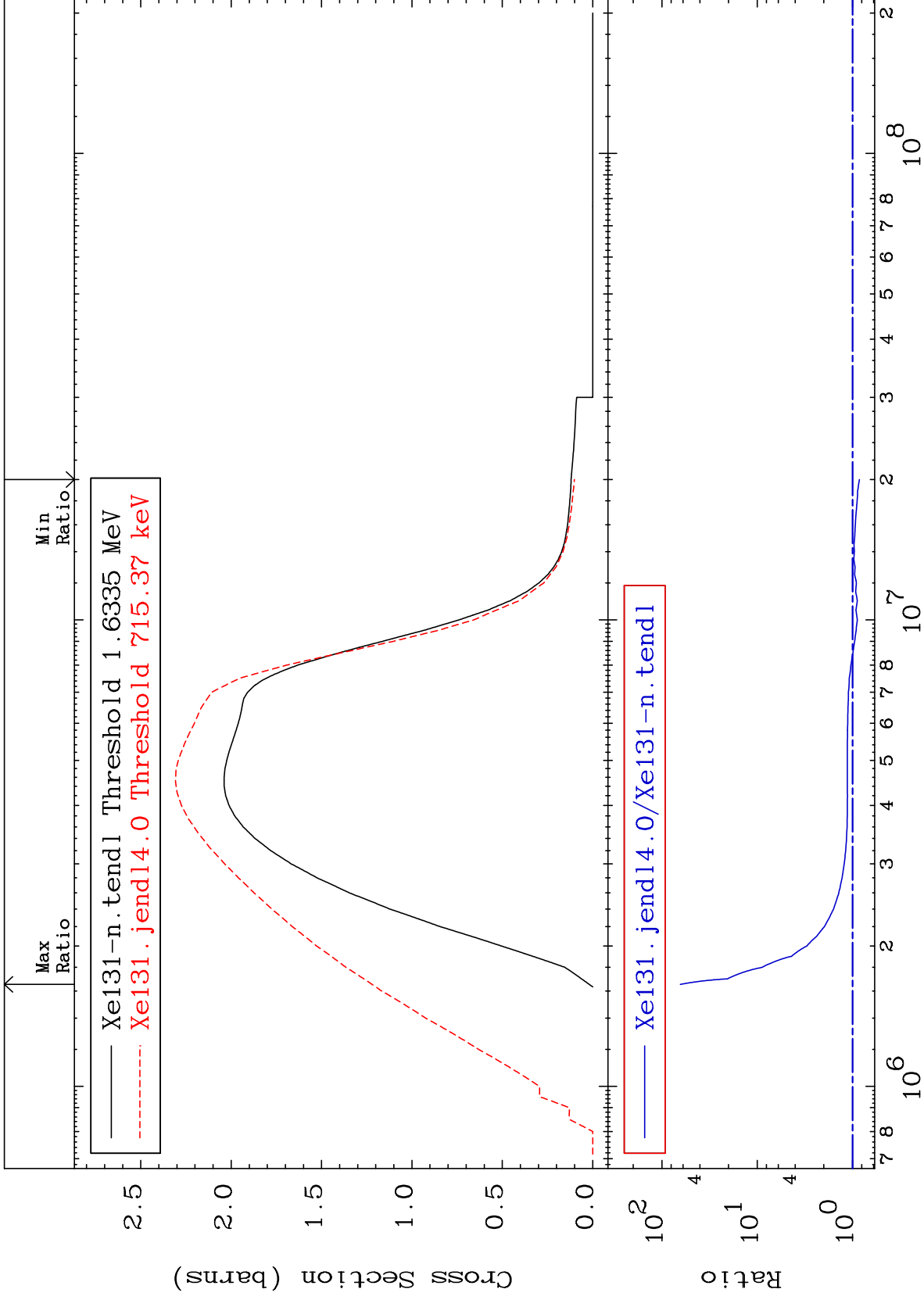
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum  
Cross Section

54-Xe-131  
-15.46 To 6311. %



18

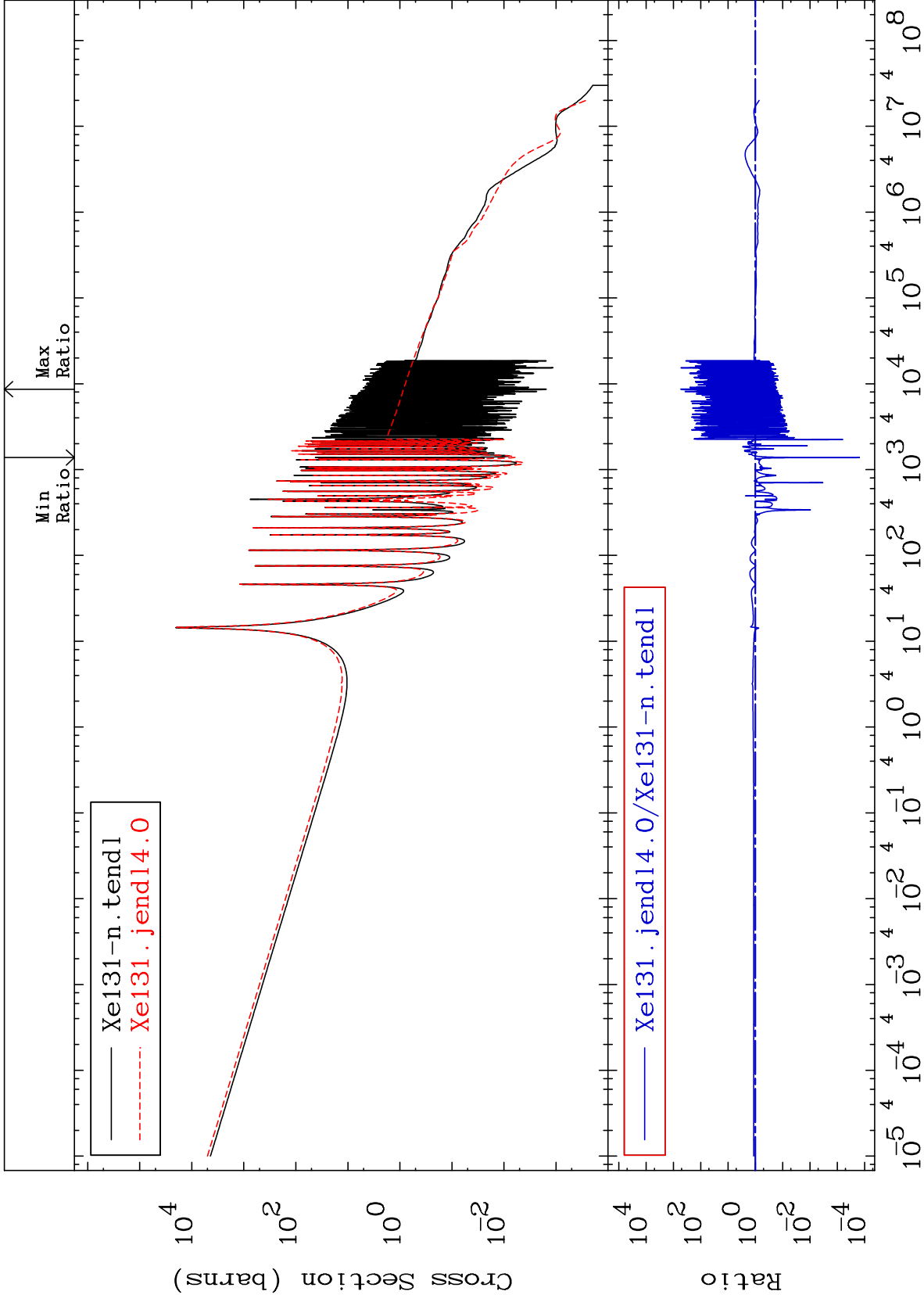
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,  $\gamma$ )  
Cross Section

54-Xe-131  
-99.98 To 9999. %



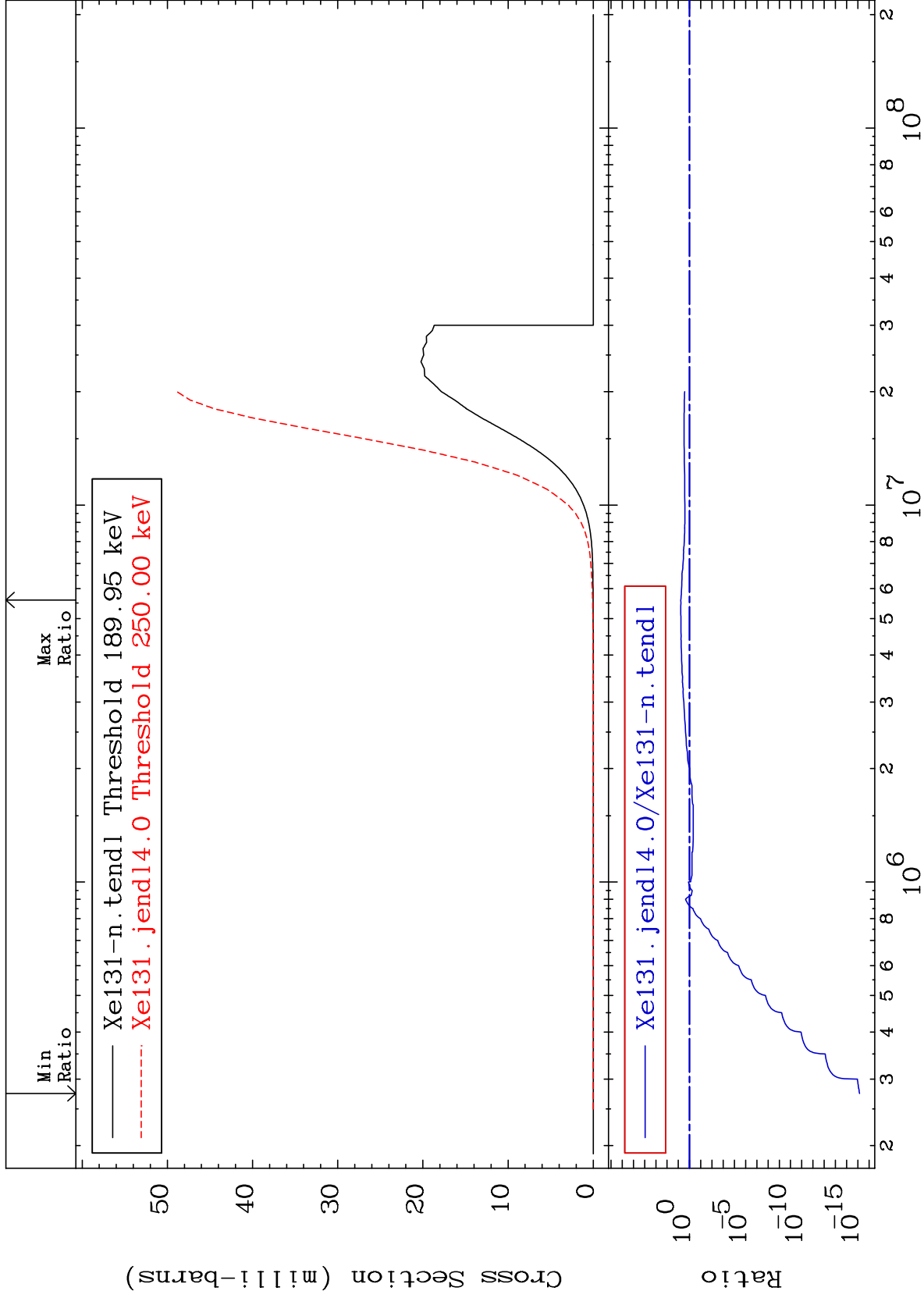
MAT 5446

(n,p)

54-Xe-131

Cross Section

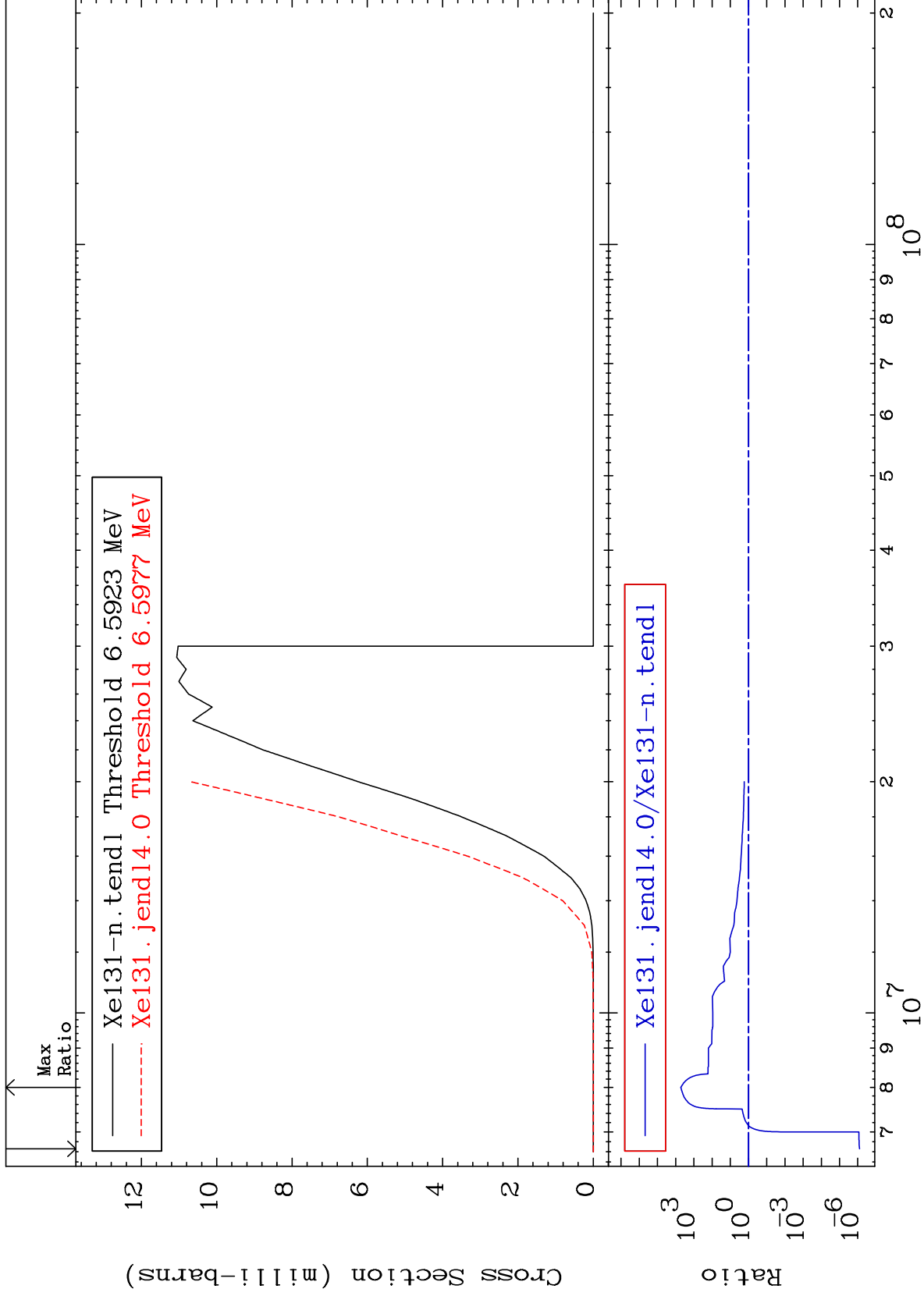
-100.0 To 503.7 %



MAT 5446

(n, d)  
Cross Section

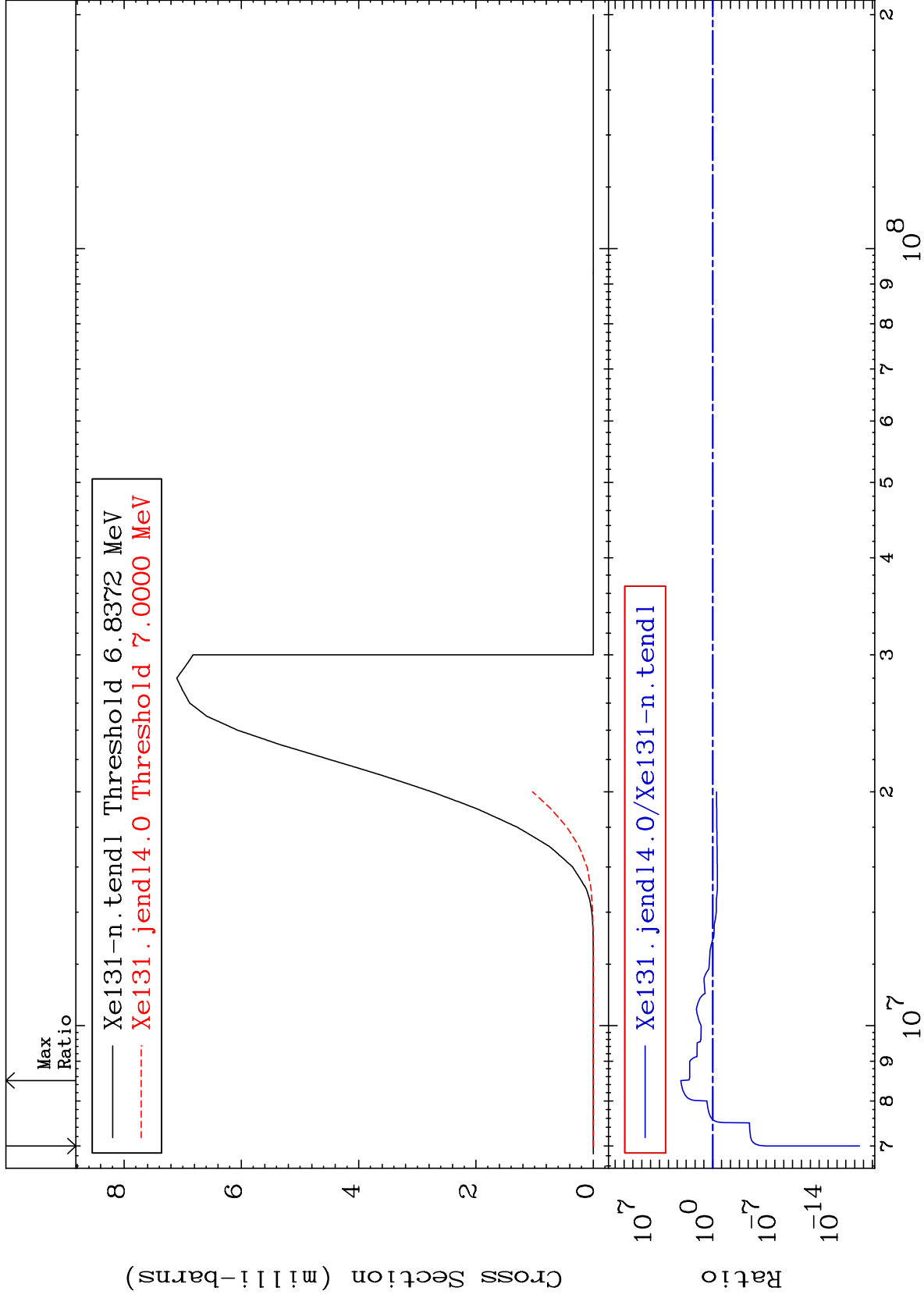
54-Xe-131  
-100.0 To 9999. %



MAT 5446

(n, t)  
Cross Section

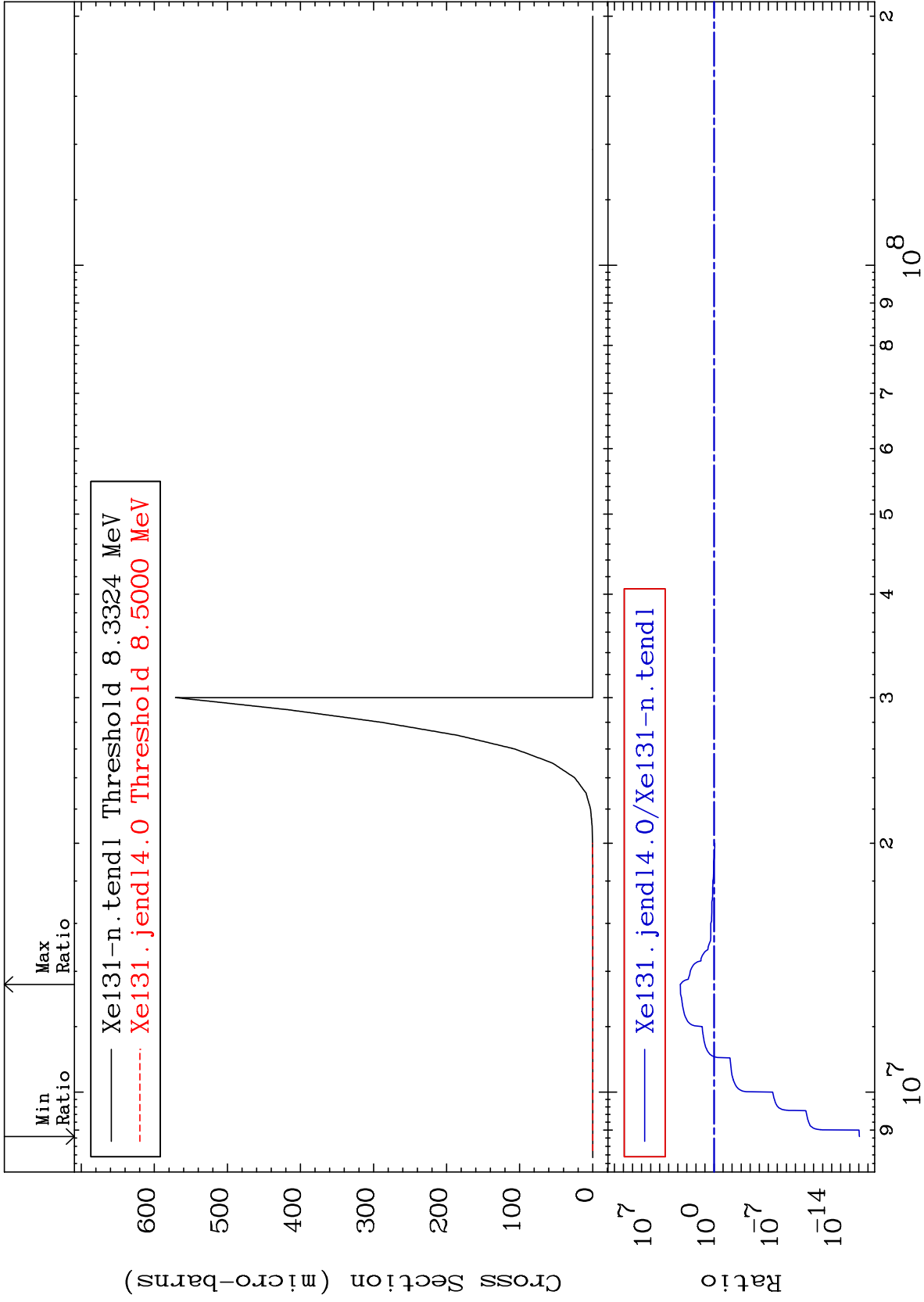
54-Xe-131  
-100.0 To 9999. %



MAT 5446

(n, He-3)  
Cross Section

54-Xe-131  
-100.0 To 9999. %



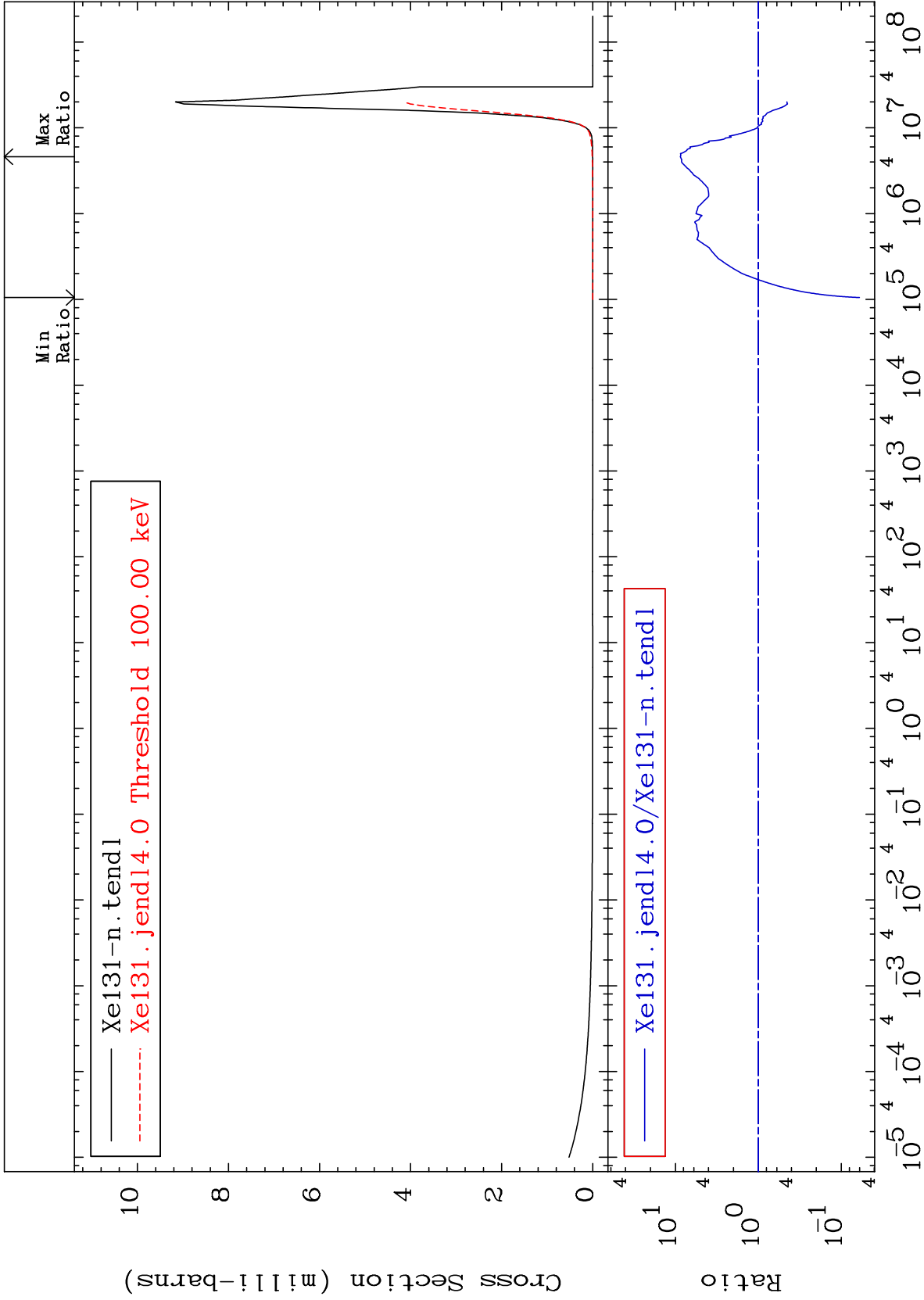
MAT 5446

(n,  $\alpha$ )

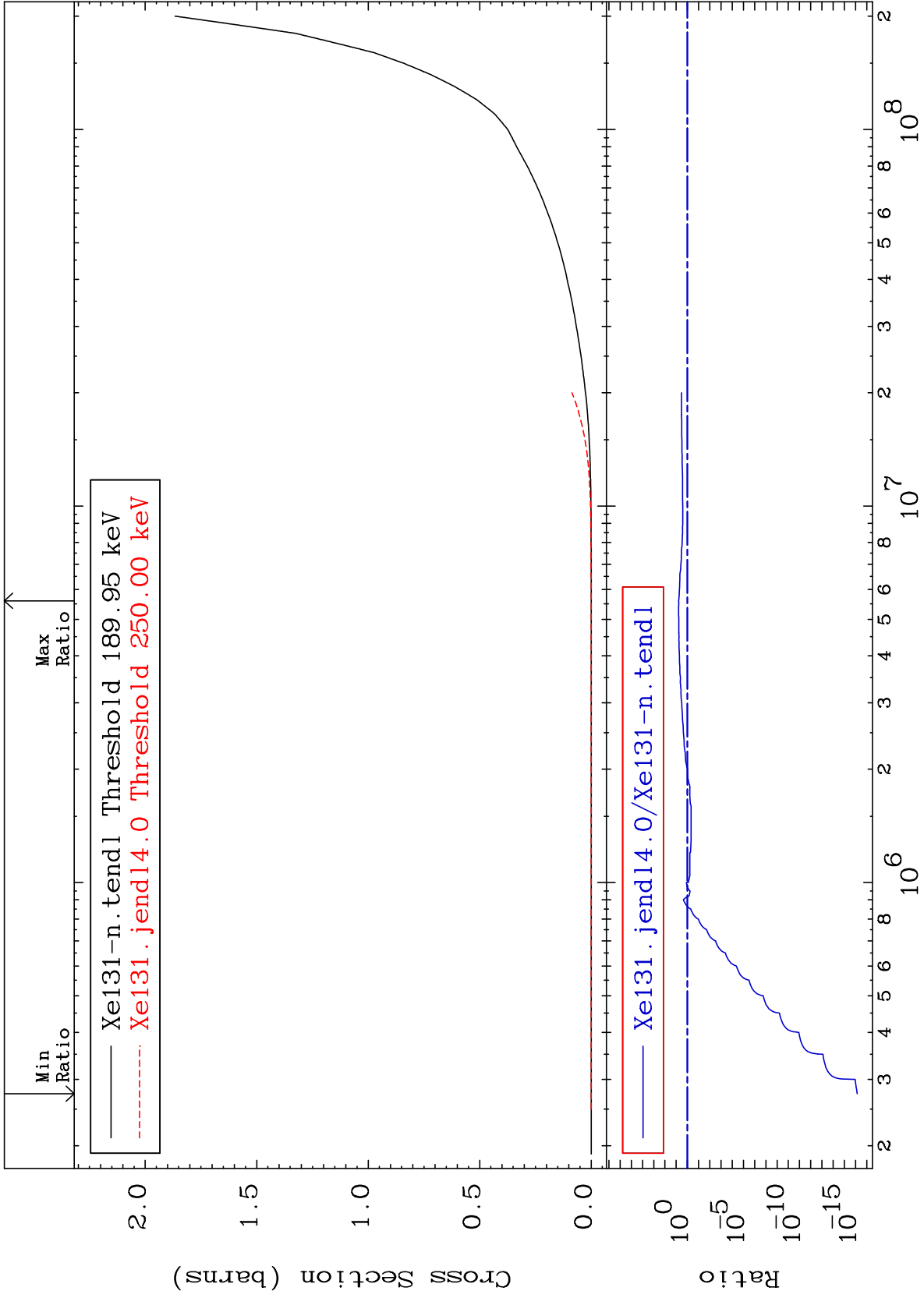
54-Xe-131

Cross Section

-93.96 To 773.2 %



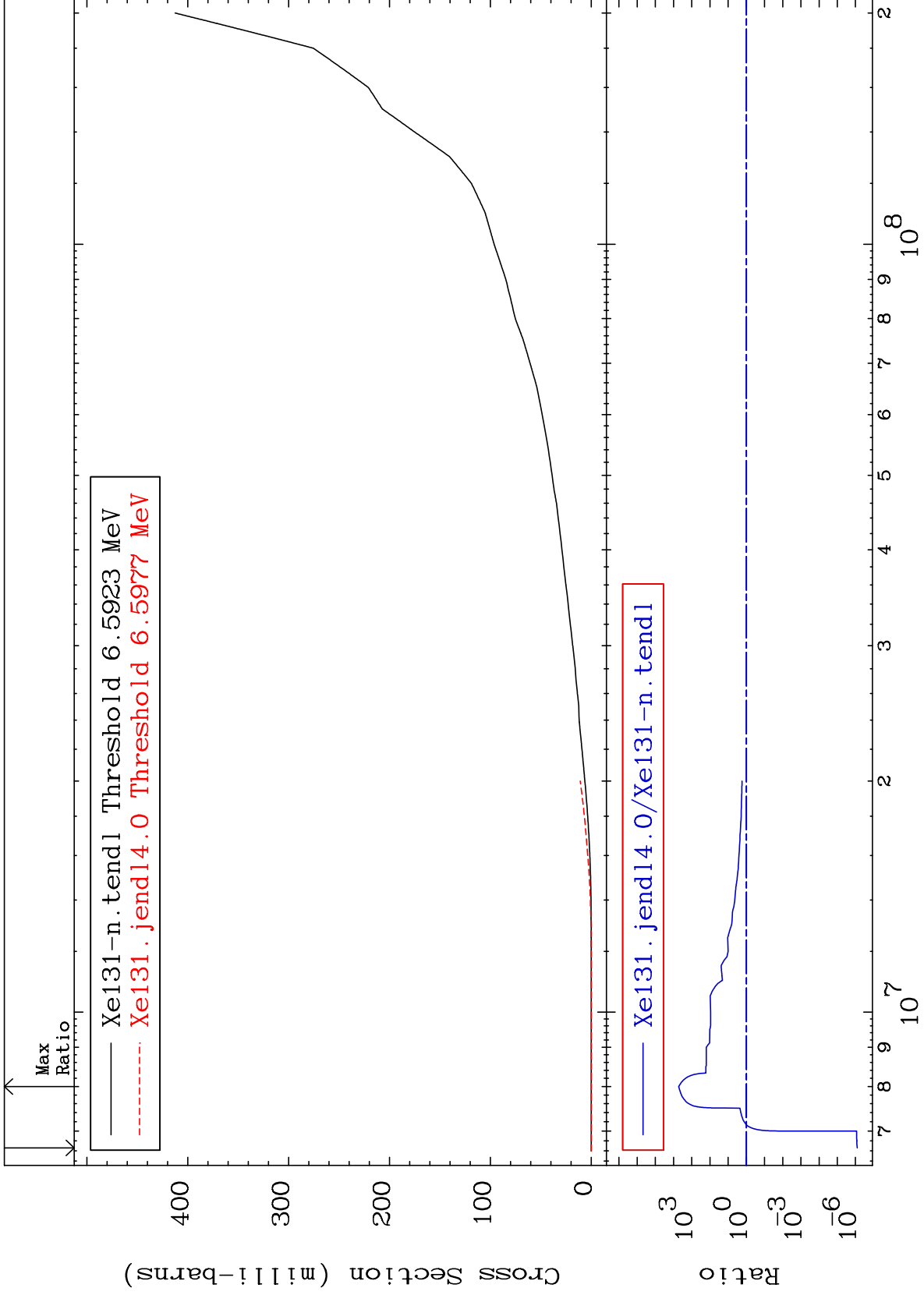




MAT 5446

Deuterium Production  
Cross Section

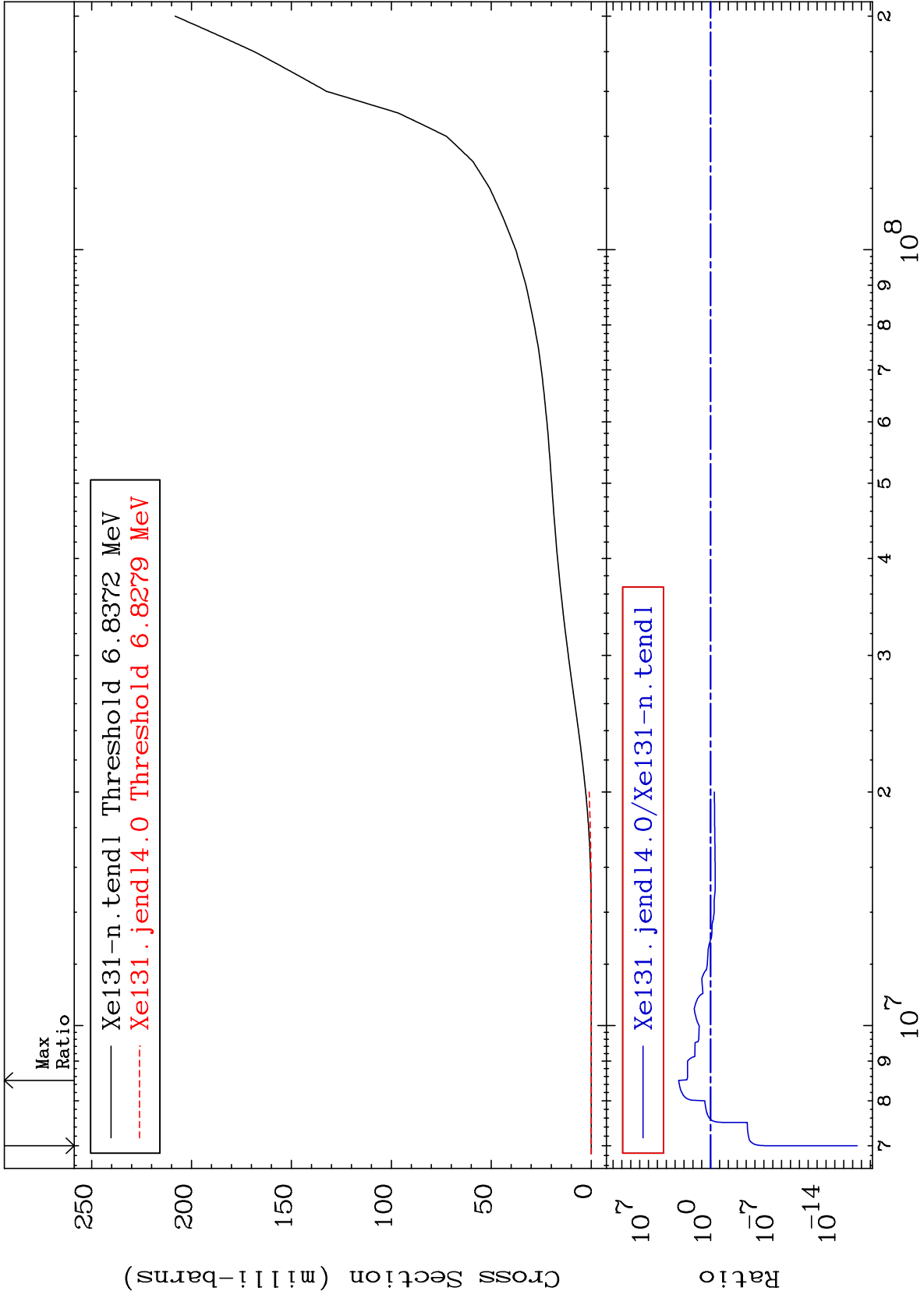
54-Xe-131  
-100.0 To 9999. %



MAT 5446

Tritium Production  
Cross Section

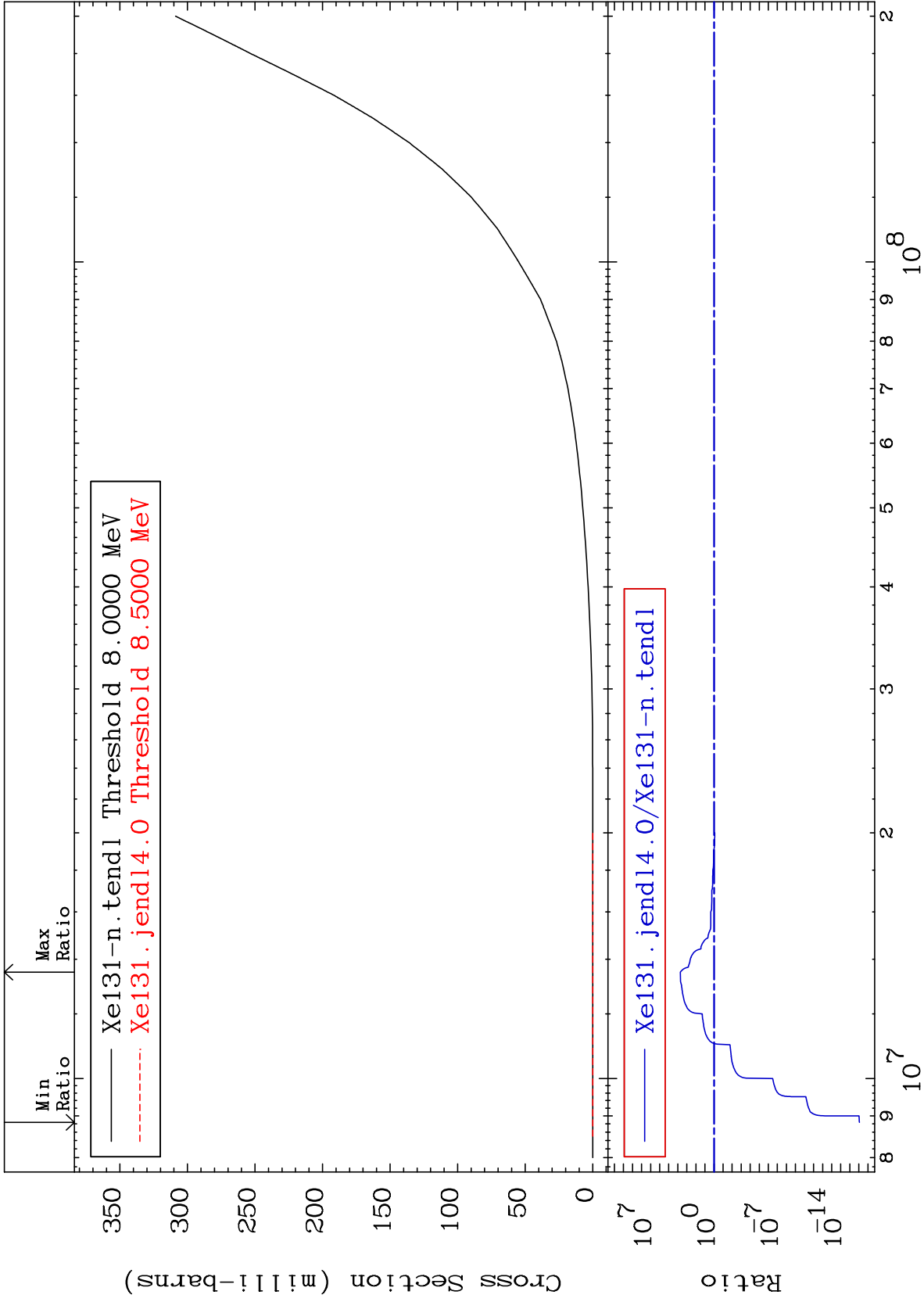
54-Xe-131  
-100.0 To 9999. %



MAT 5446

He-3 Production  
Cross Section

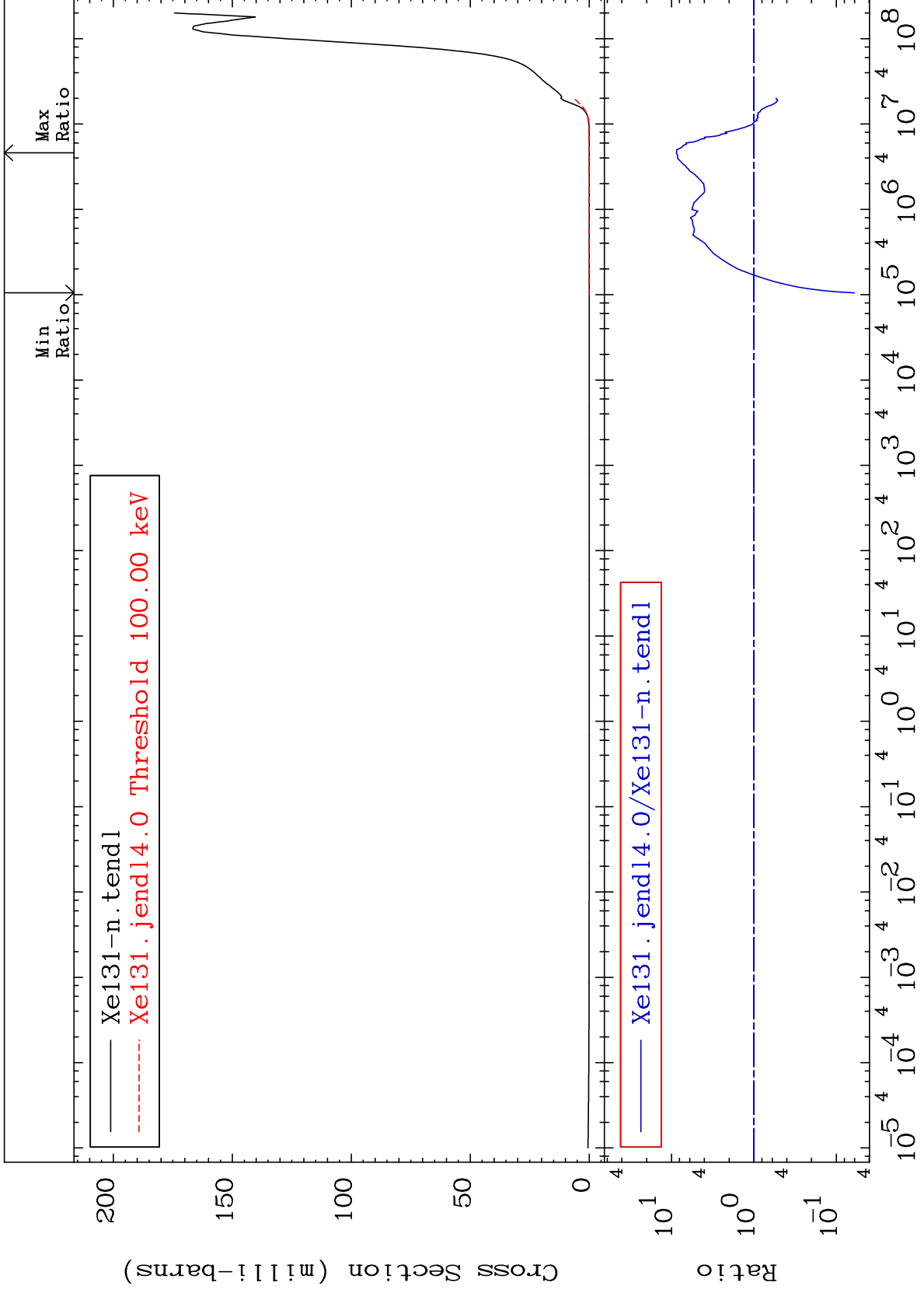
54-Xe-131  
-100.0 To 9999. %



MAT 5446

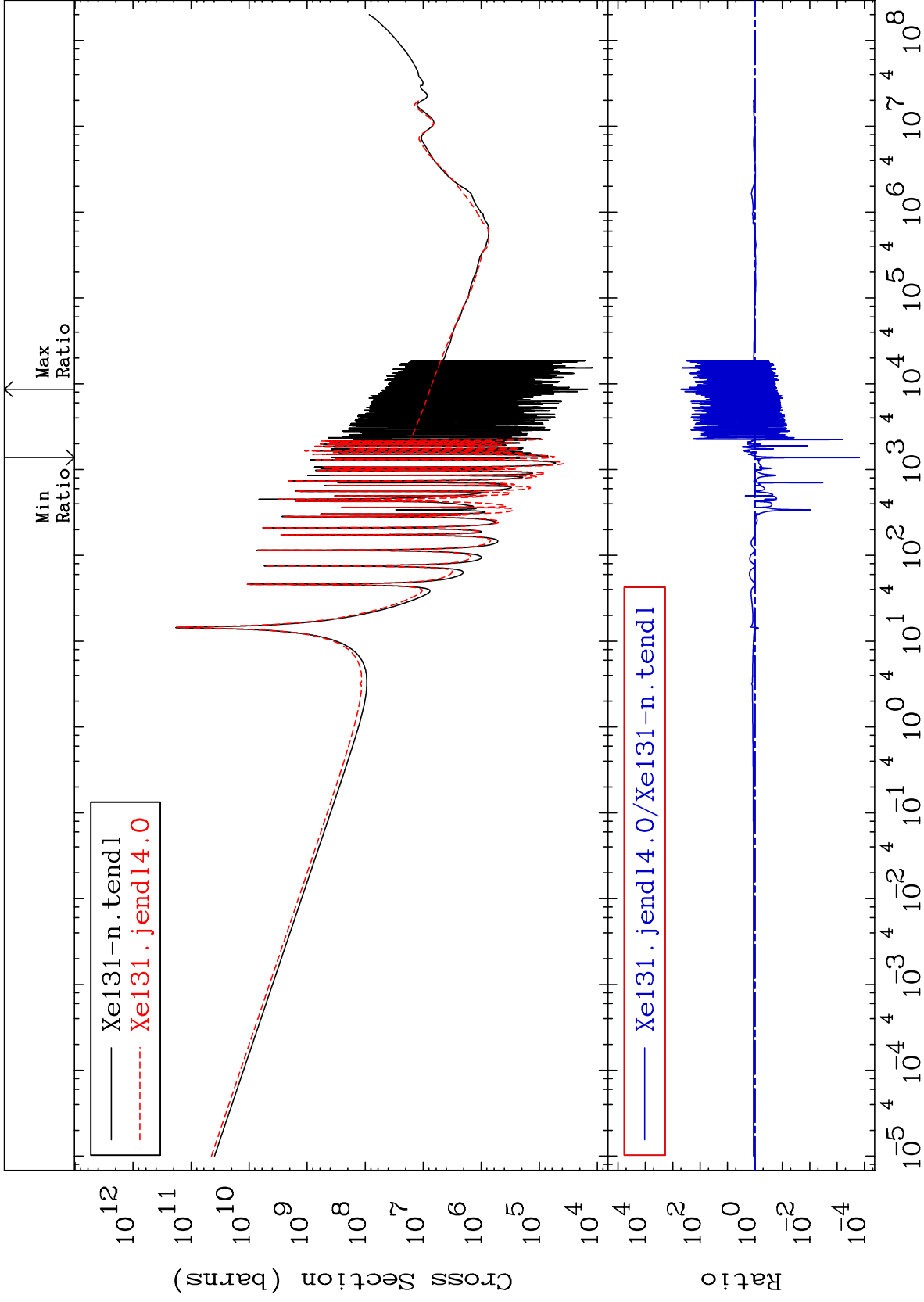
He-4 Production  
Cross Section

54-Xe-131  
-93.96 To 773.2 %



Cross Section

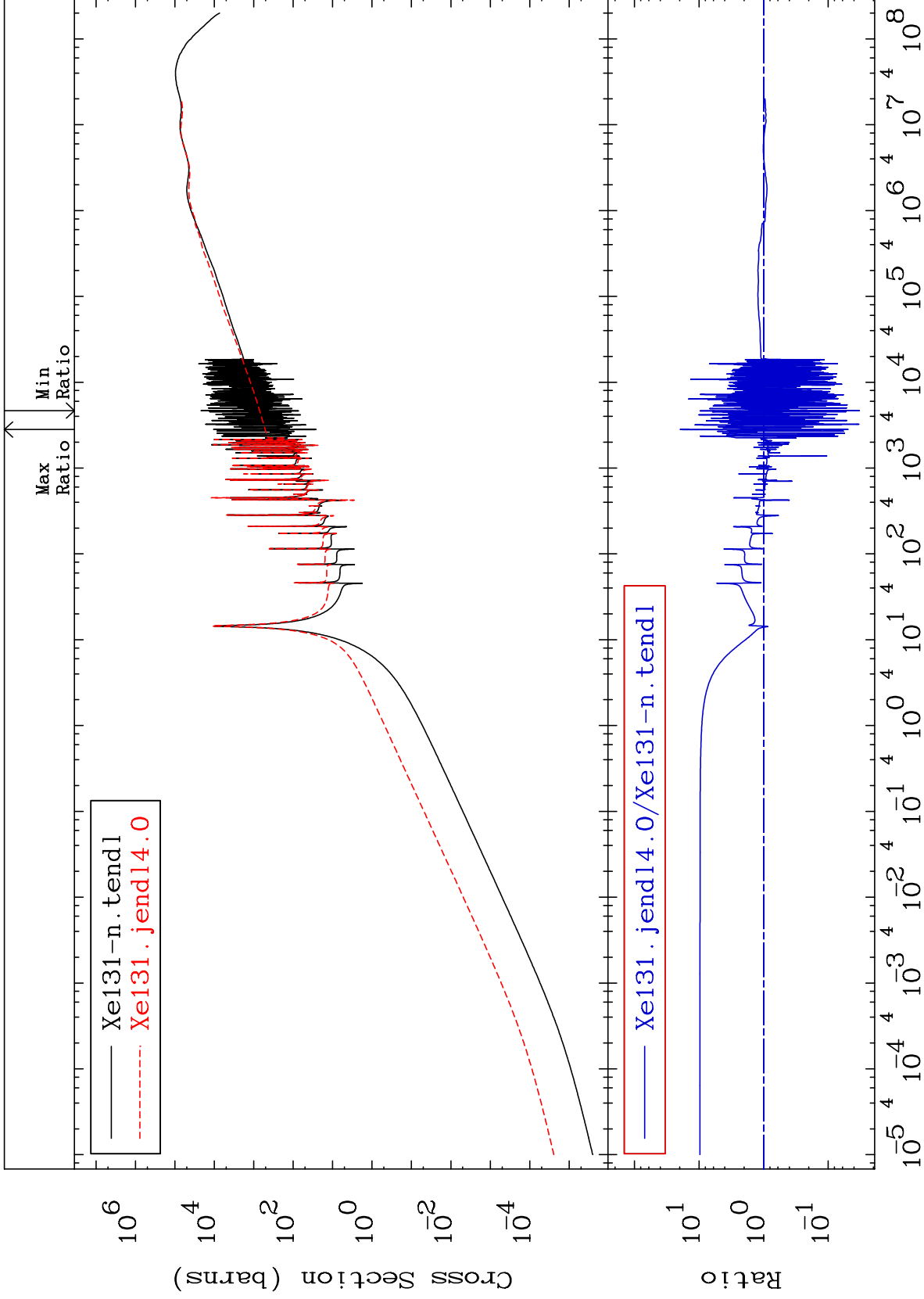
-99.98 To 9999. %



MAT 5446

Kerma elastic  
Cross Section

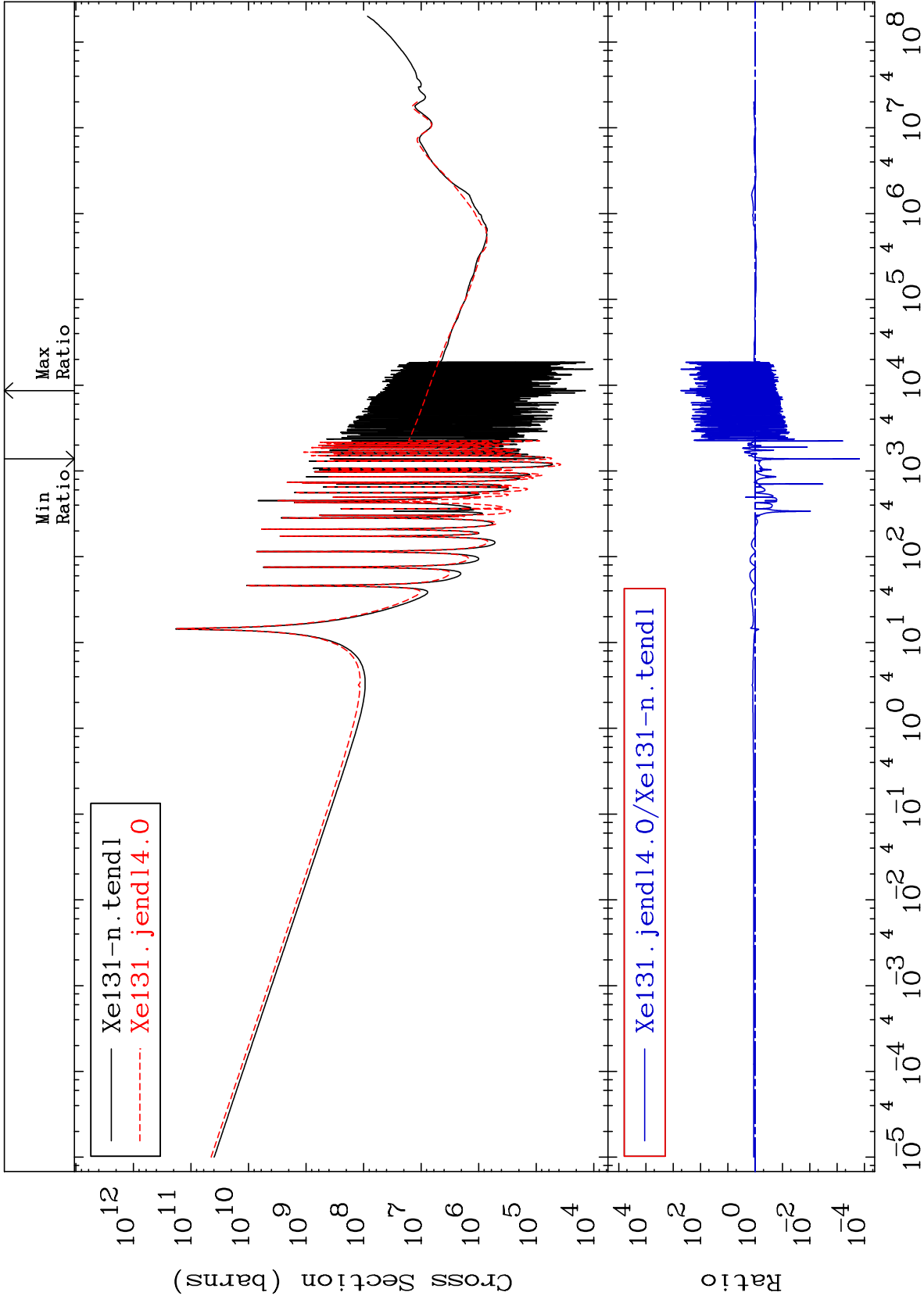
54-Xe-131  
-96.71 To 1850. %



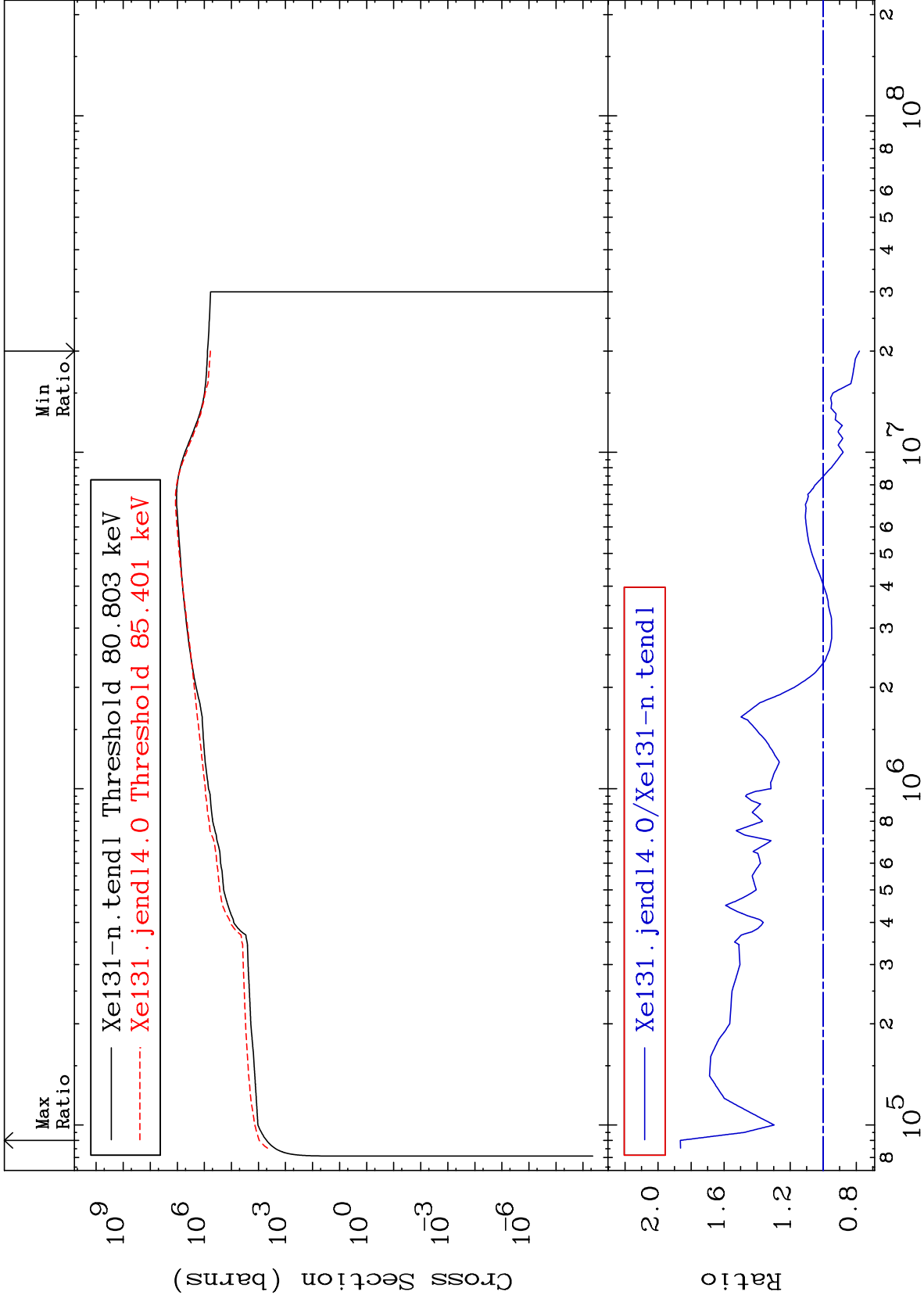
31

Incident Energy (eV)

54-Xe-131



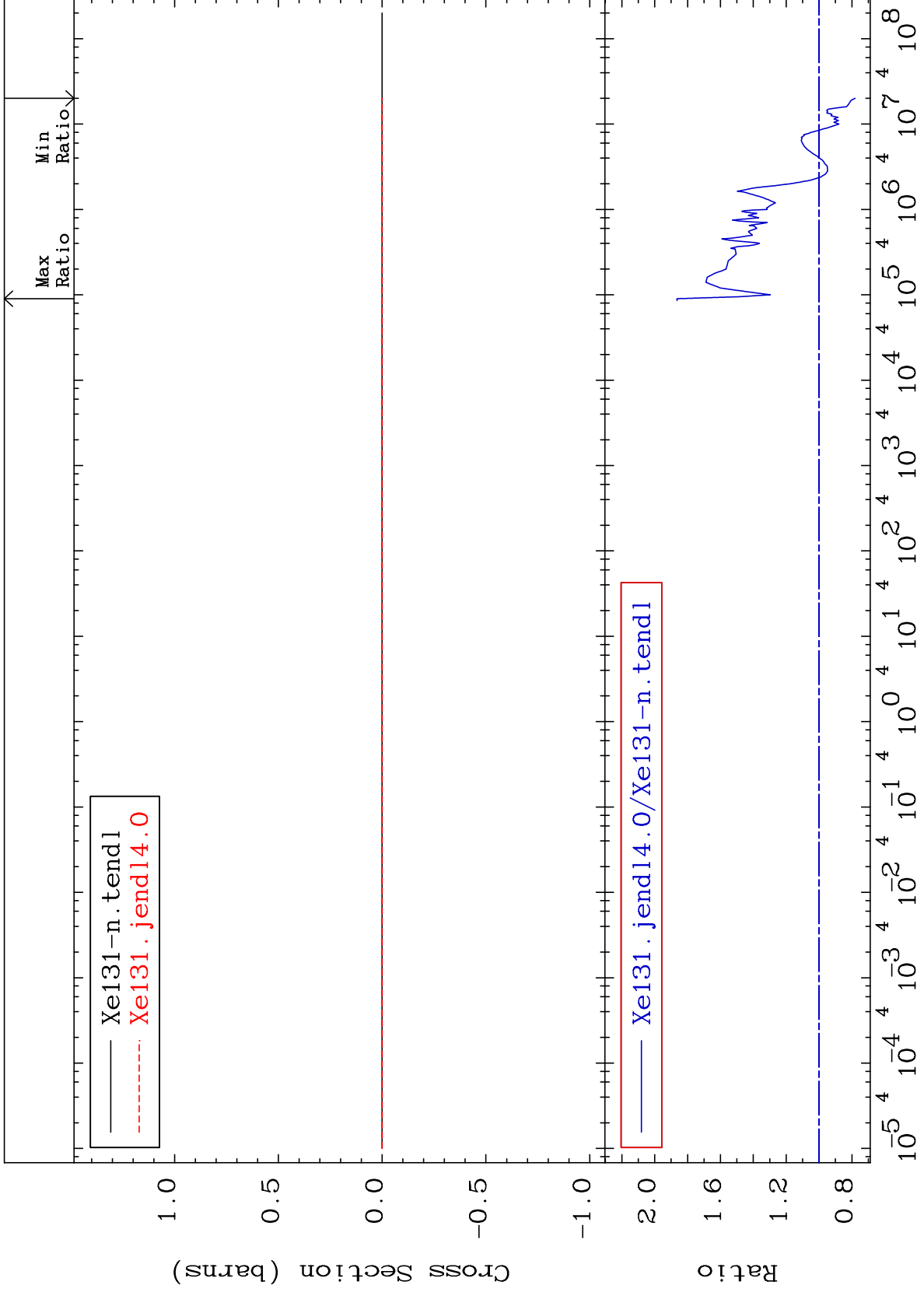




MAT 5446

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

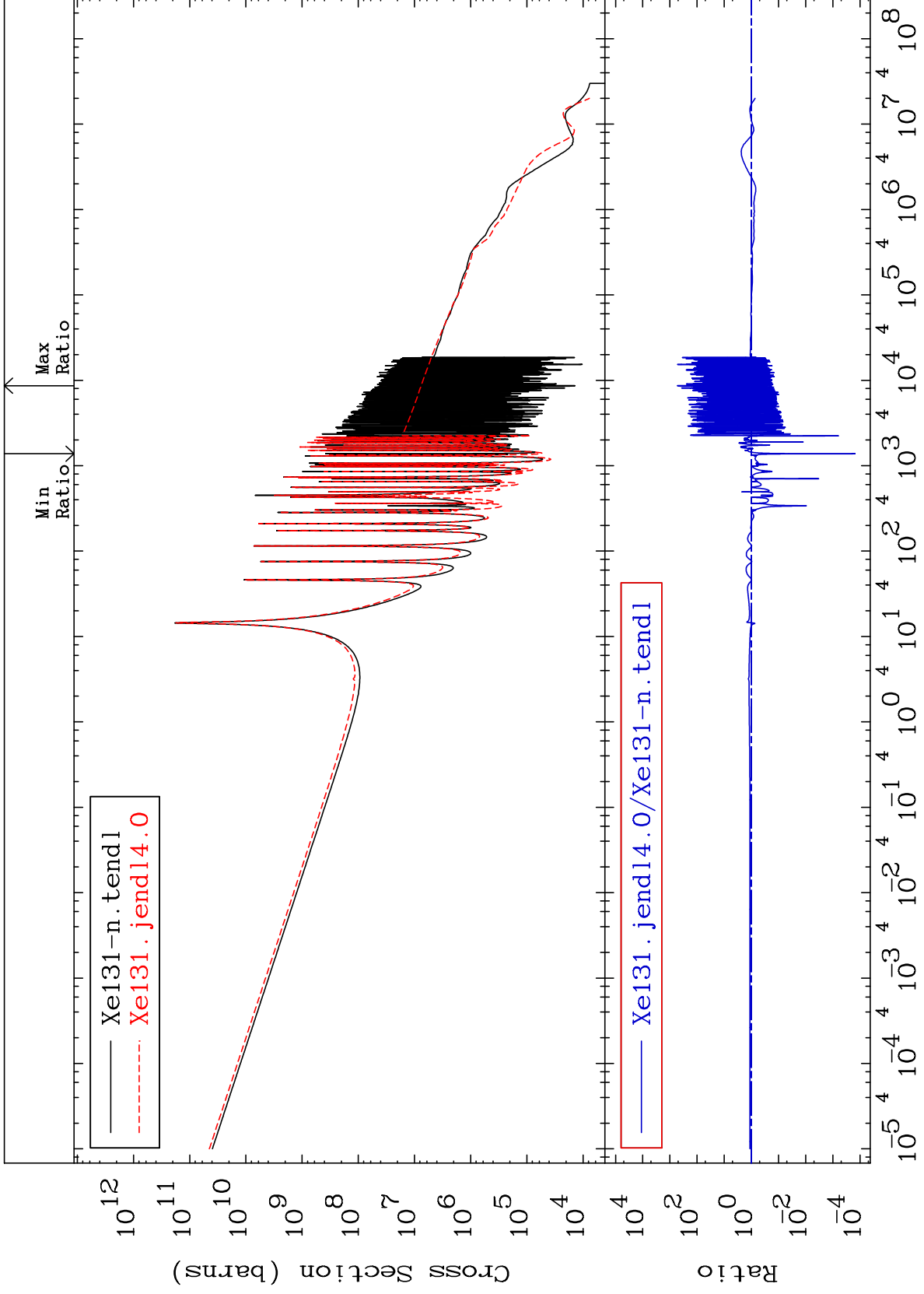
54-Xe-131  
-21.94 To 86.48 %



MAT 5446

Kerma capture (mt102)  
Cross Section

54-Xe-131  
-99.98 To 9999. %



35

Incident Energy (eV)

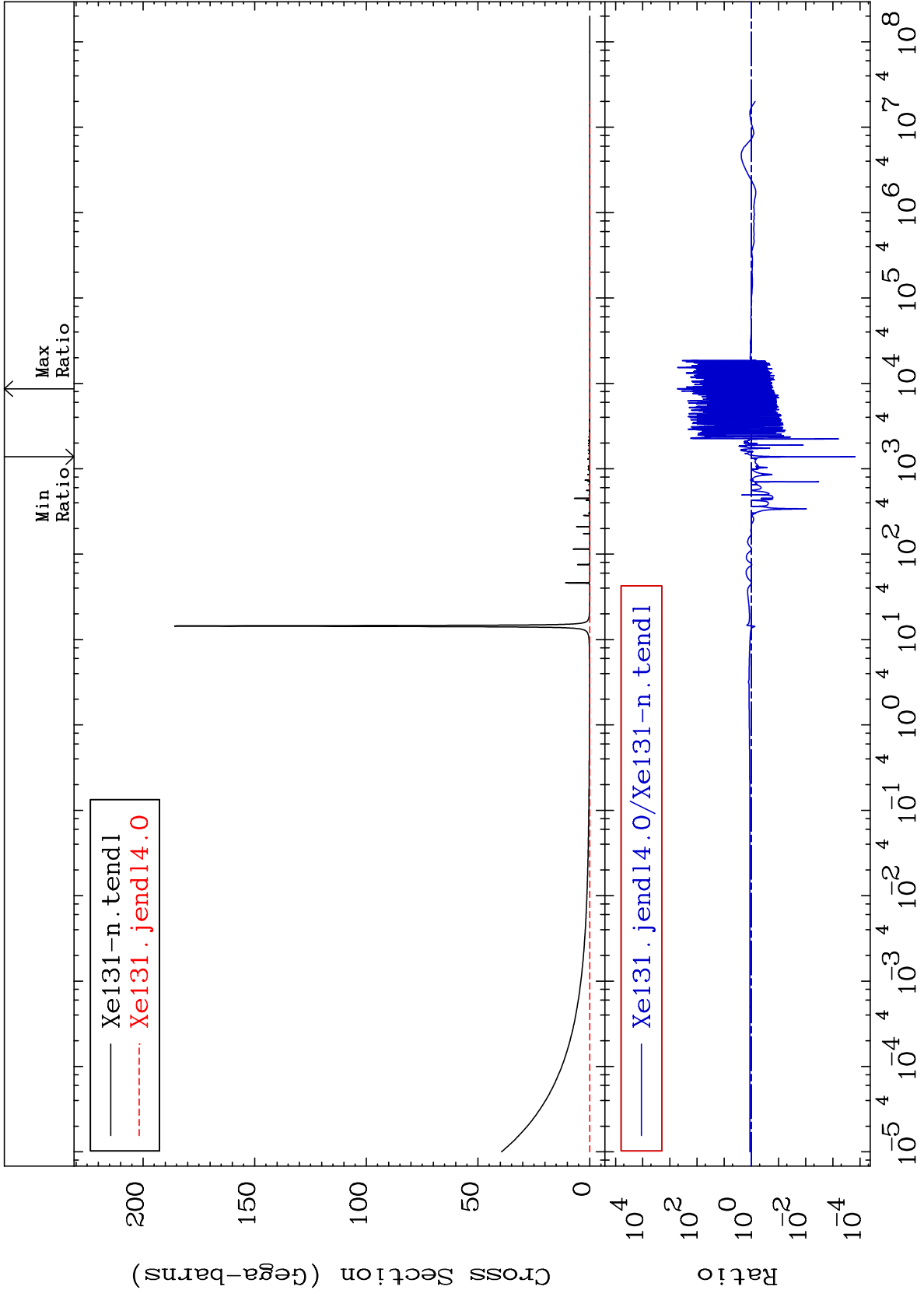
54-Xe-131

MAT 5446

Total photon (eV-barns)  
Cross Section

54-Xe-131

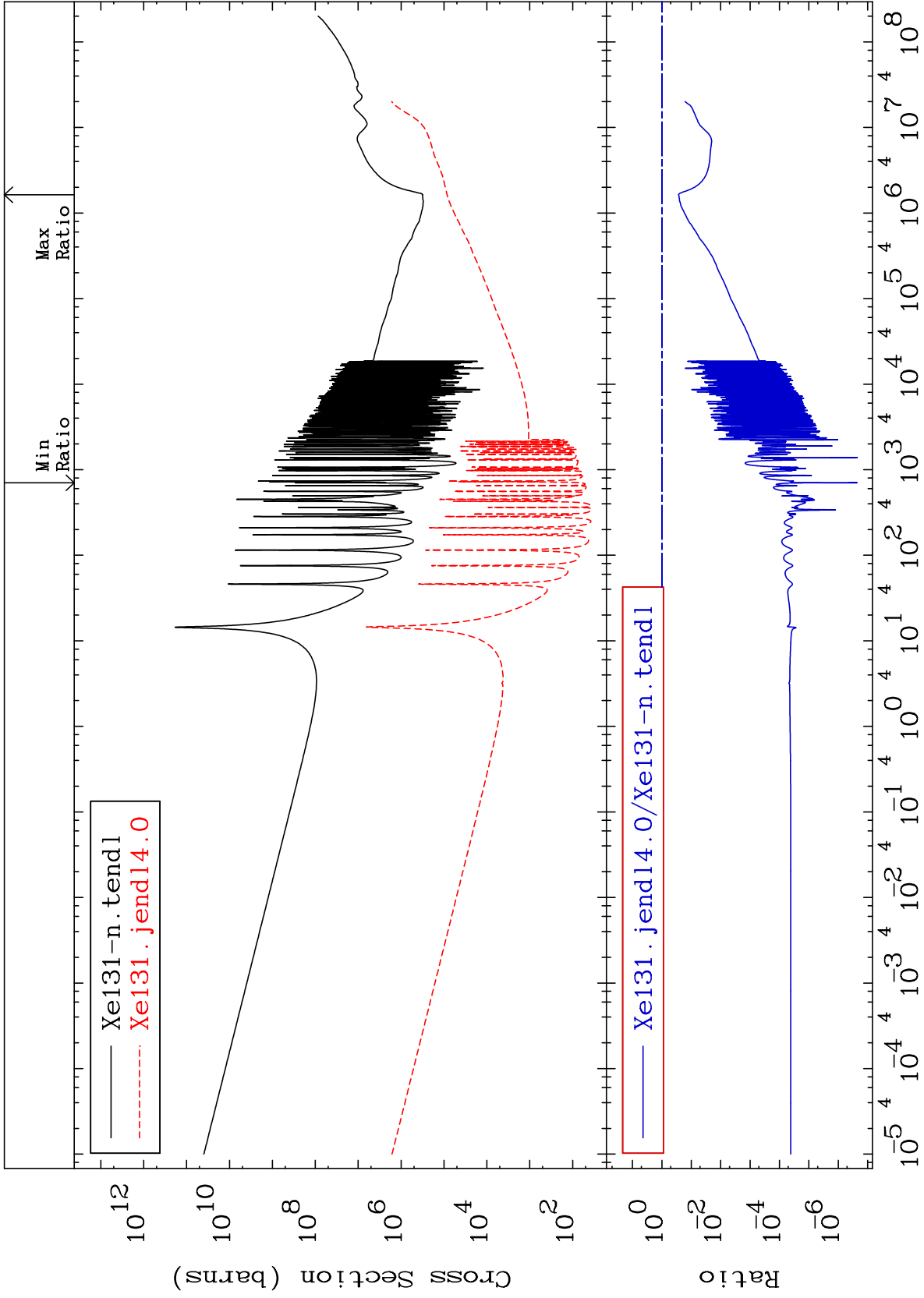
-99.98 To 9999. %

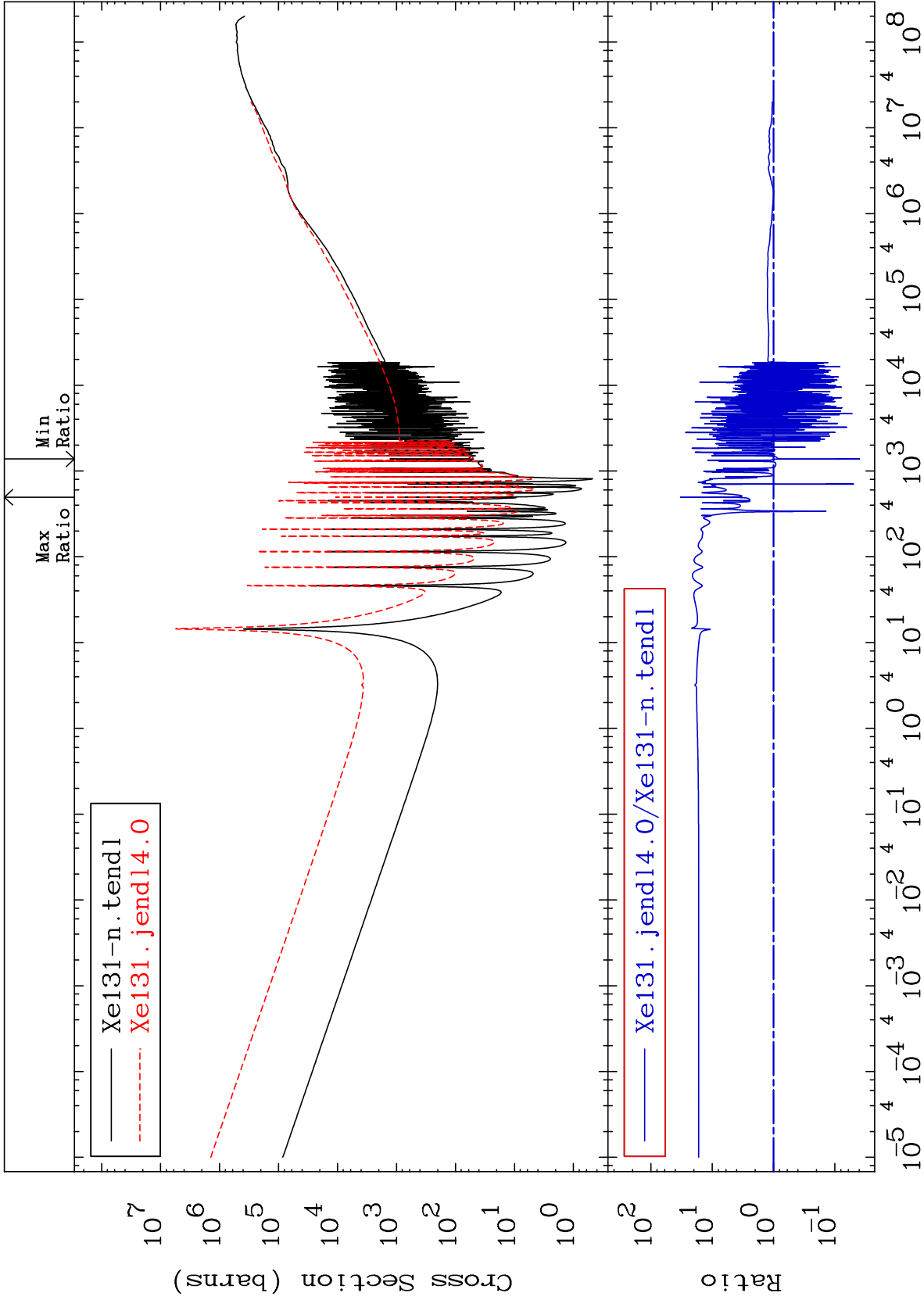


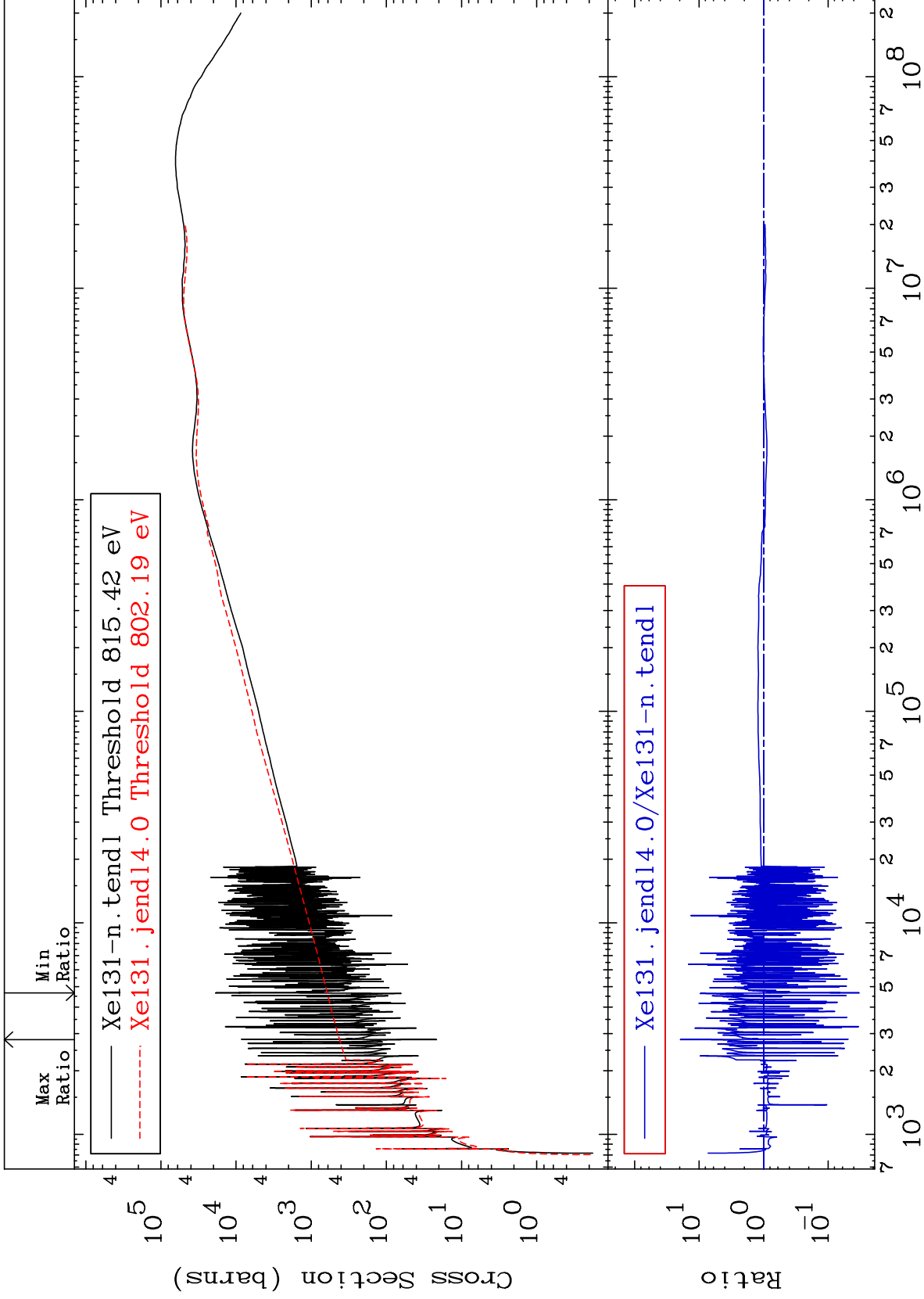
36

Incident Energy (eV)

54-Xe-131



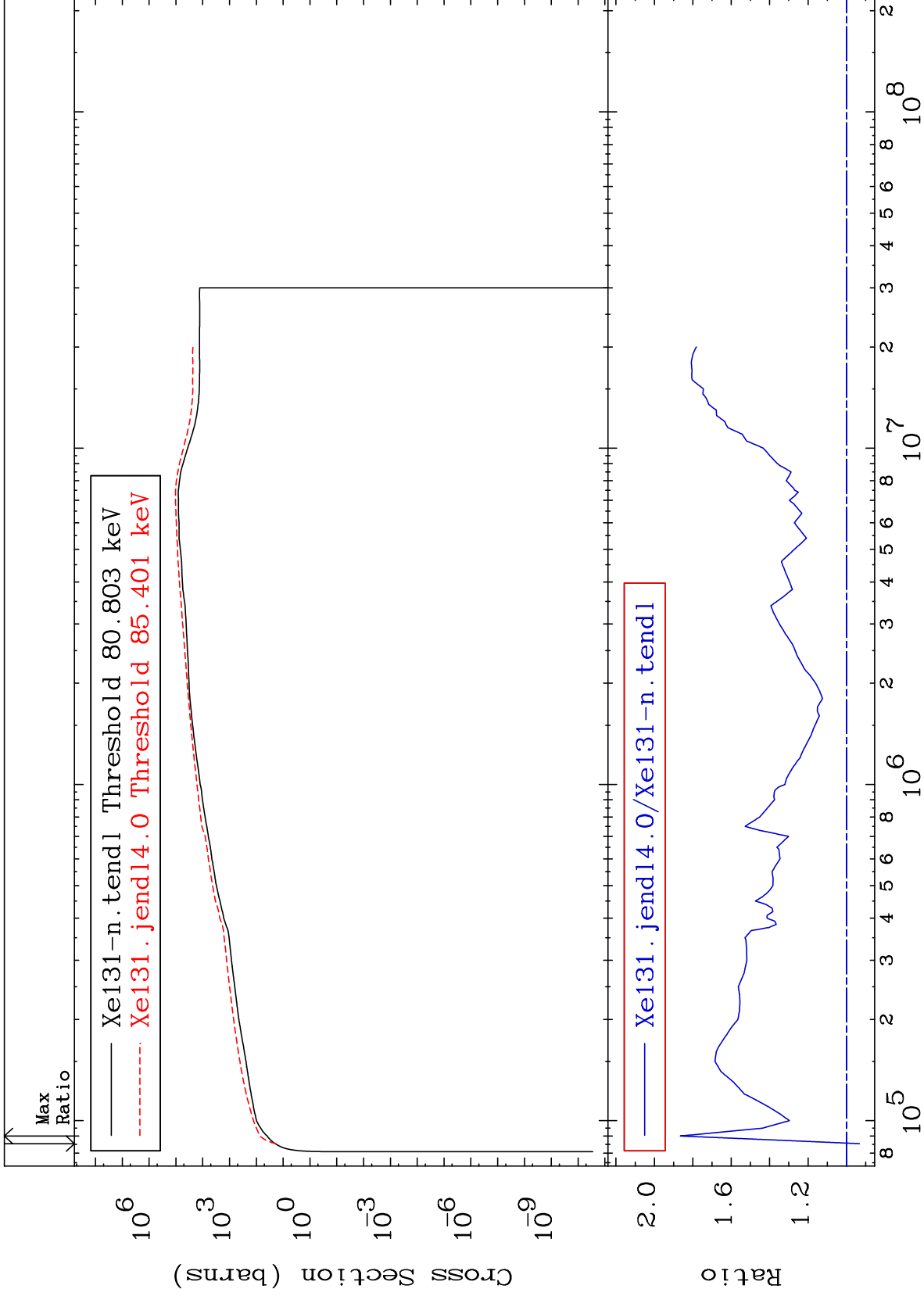




MAT 5446

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-131  
-6.759 To 86.48 %



40

Incident Energy (eV)

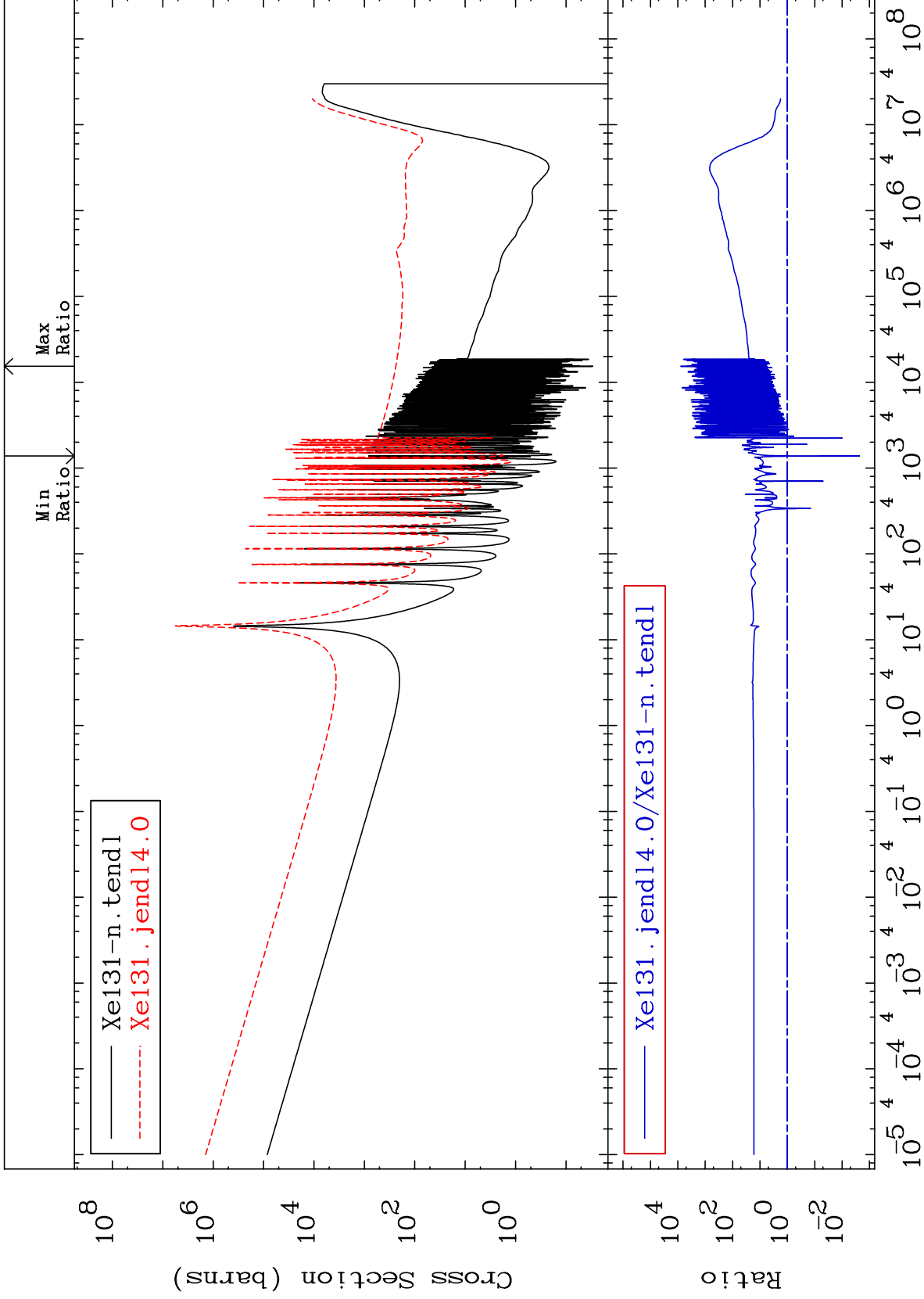
54-Xe-131



MAT 5446

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-131  
-99.77 To 9999. %



41

Incident Energy (eV)

54-Xe-131