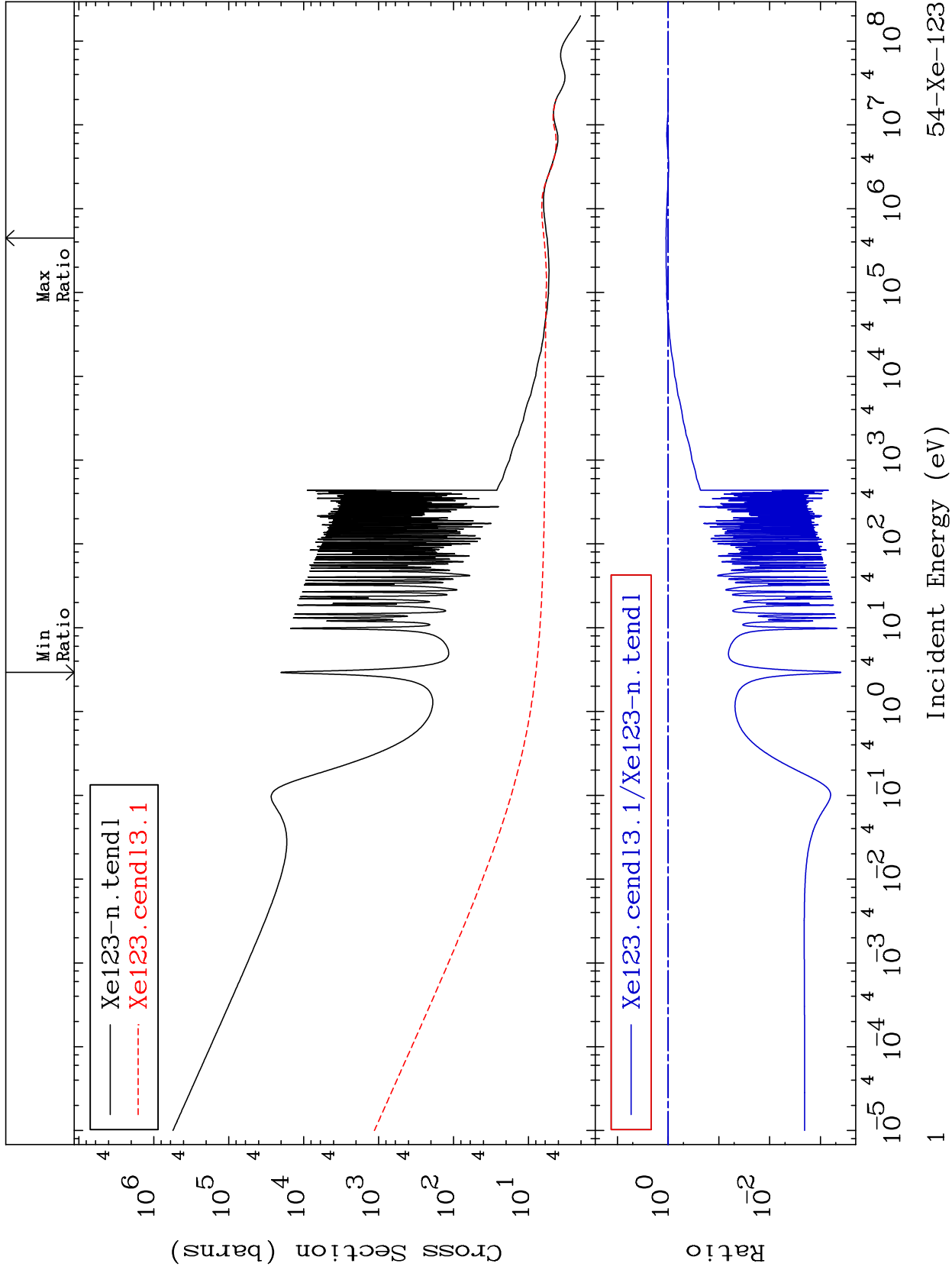


MAT 5422

54-Xe-123

Total  
Cross Section

-99.96 To 10.42 %



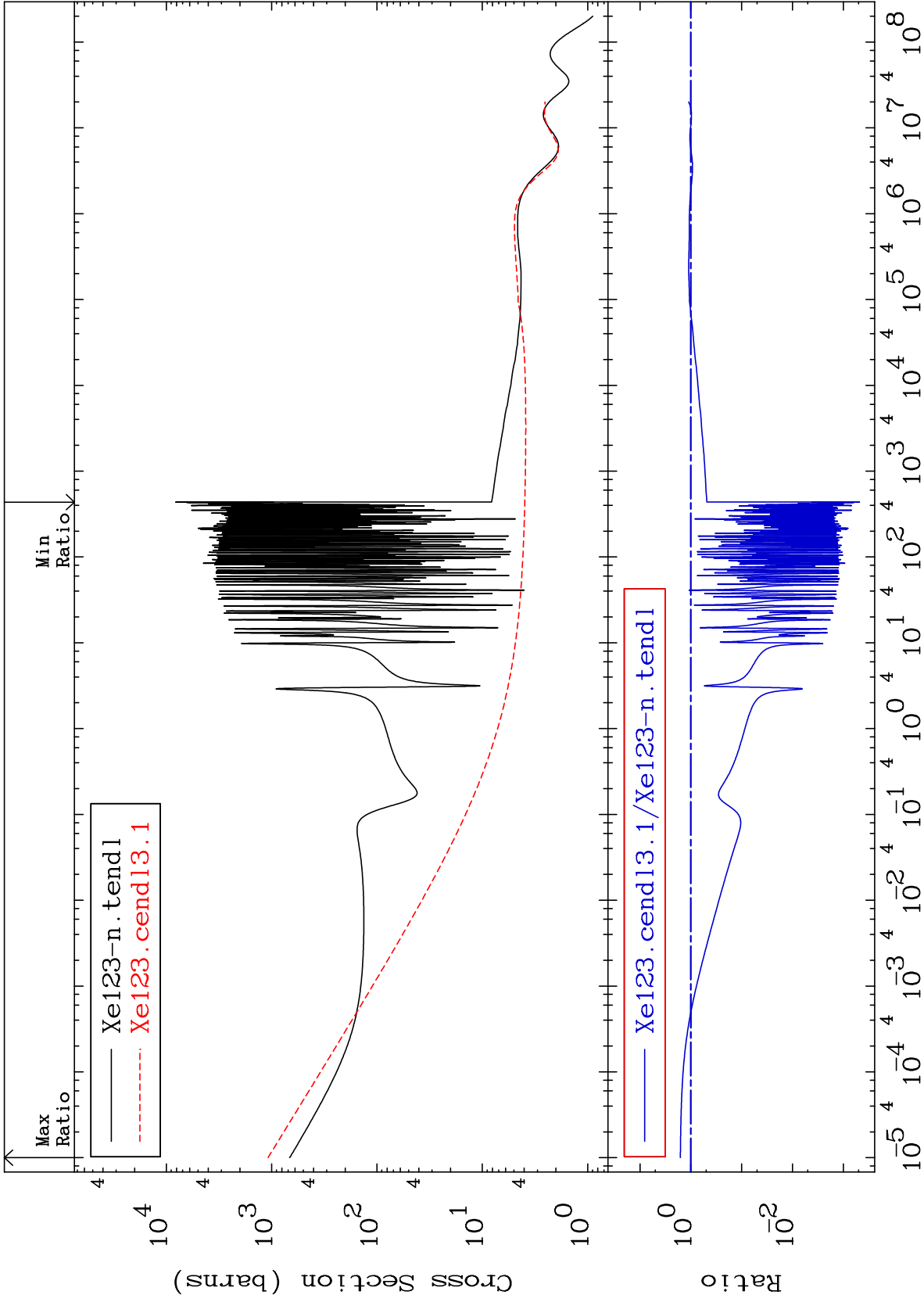
Incident Energy (eV)

54-Xe-123

MAT 5422

Elastic  
Cross Section

54-Xe-123  
-99.95 To 60.52 %



Incident Energy (eV)

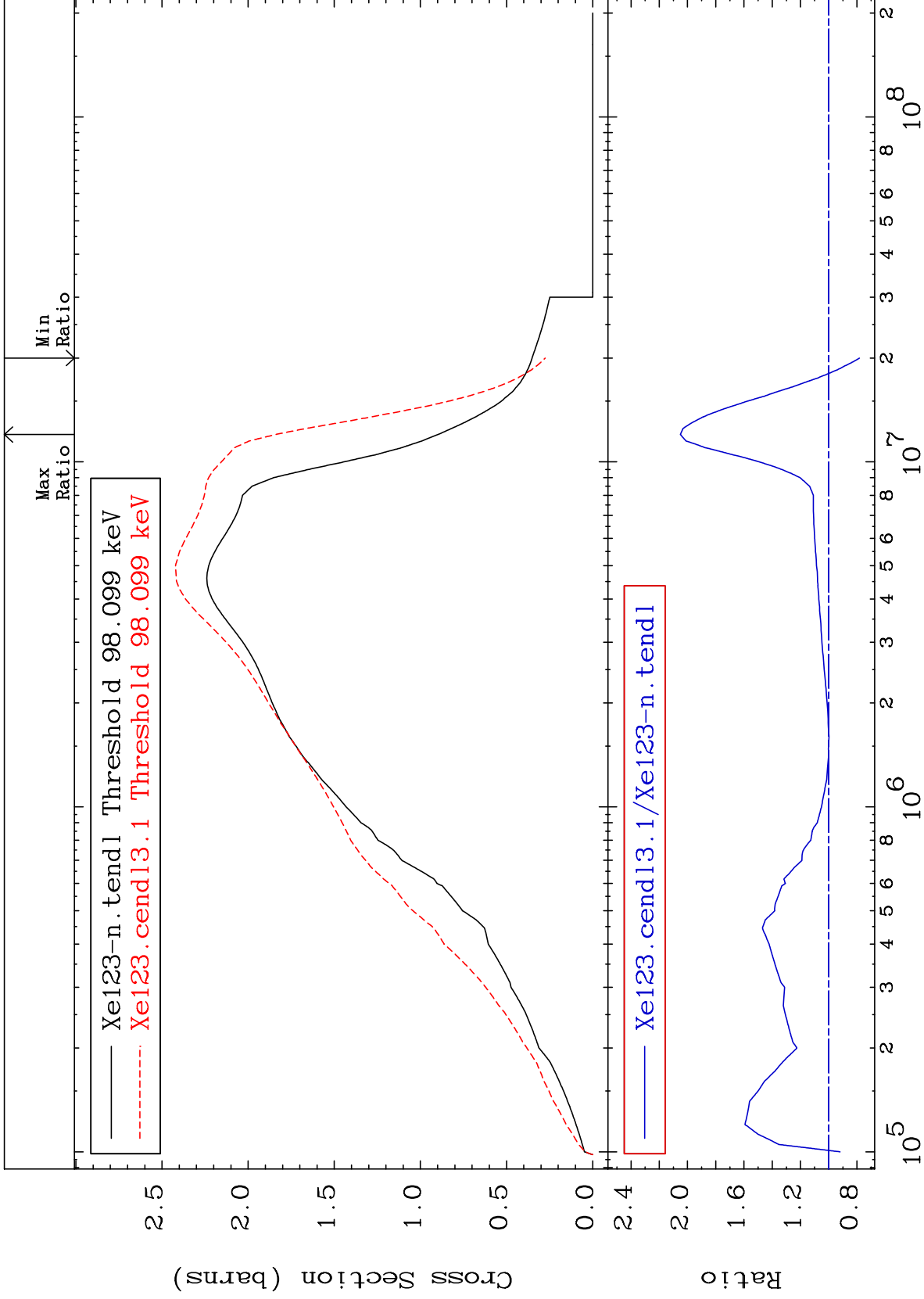
54-Xe-123

2

MAT 5422

Inelastic  
Cross Section

54-Xe-123  
-21.74 To 105.1 %



Incident Energy (eV)

54-Xe-123

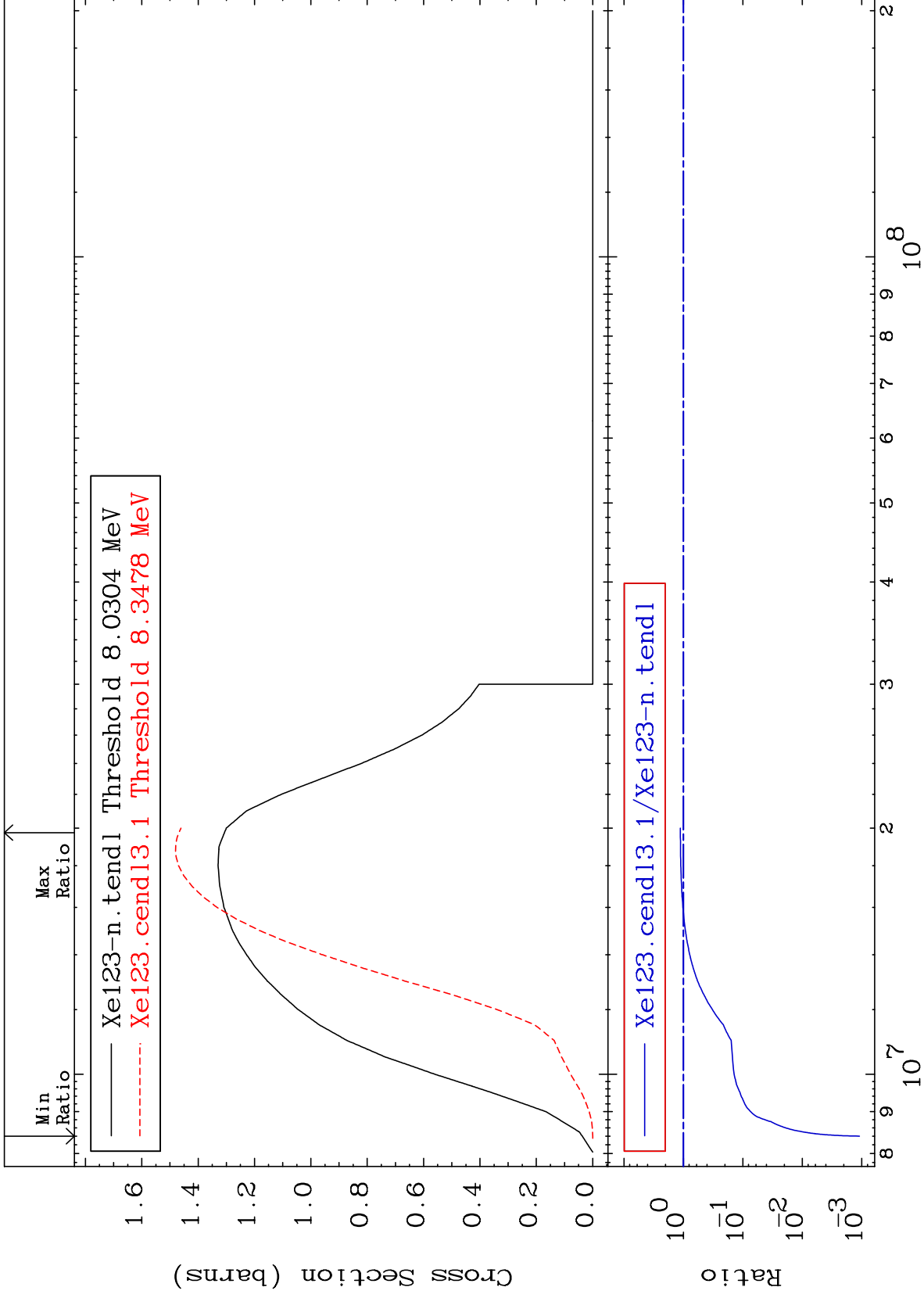
MAT 5422

(n,2n)

54-Xe-123

Cross Section

-99.89 To 12.39 %



4

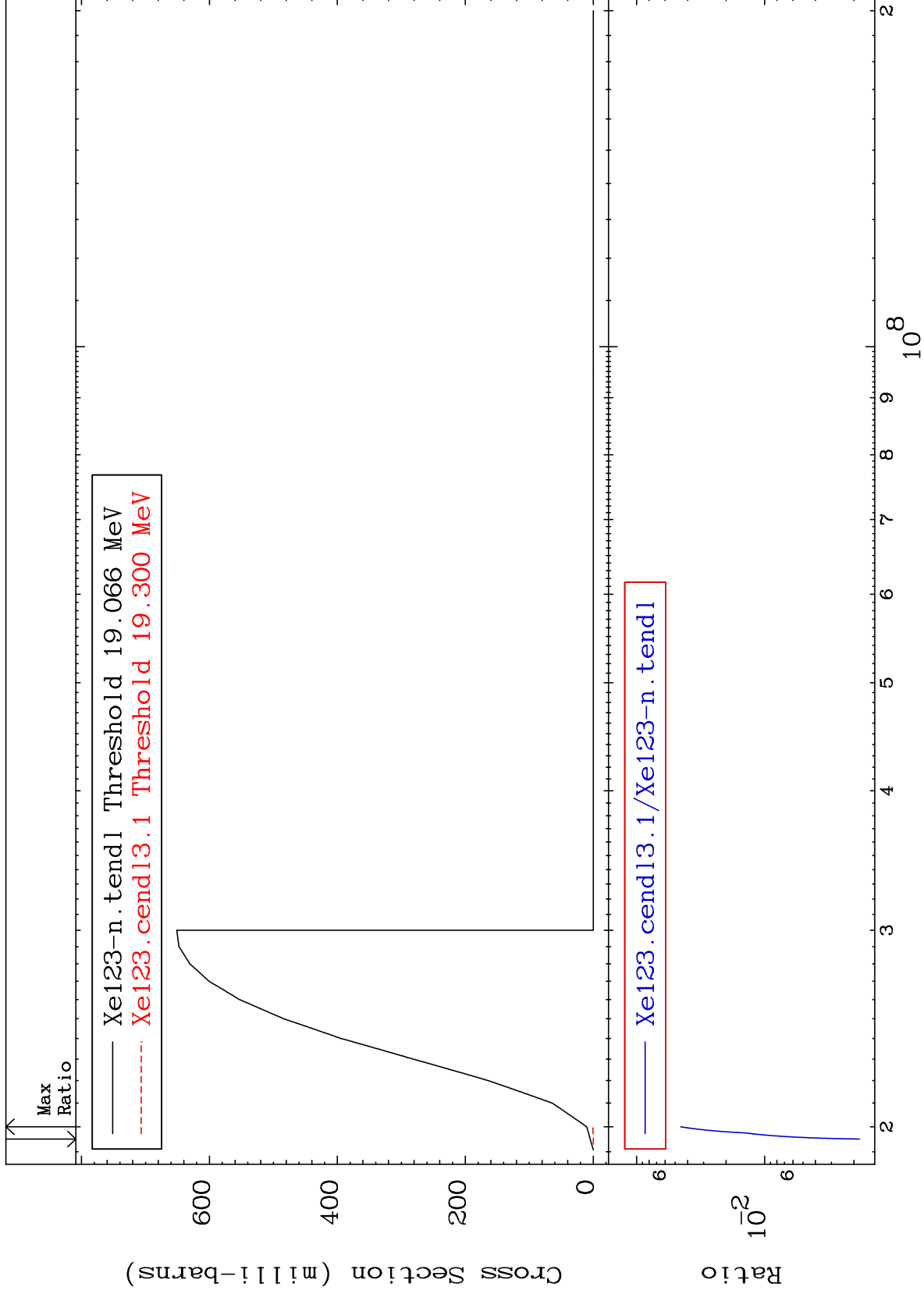
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,3n)  
Cross Section

54-Xe-123  
-99.82 To -95.48%



5

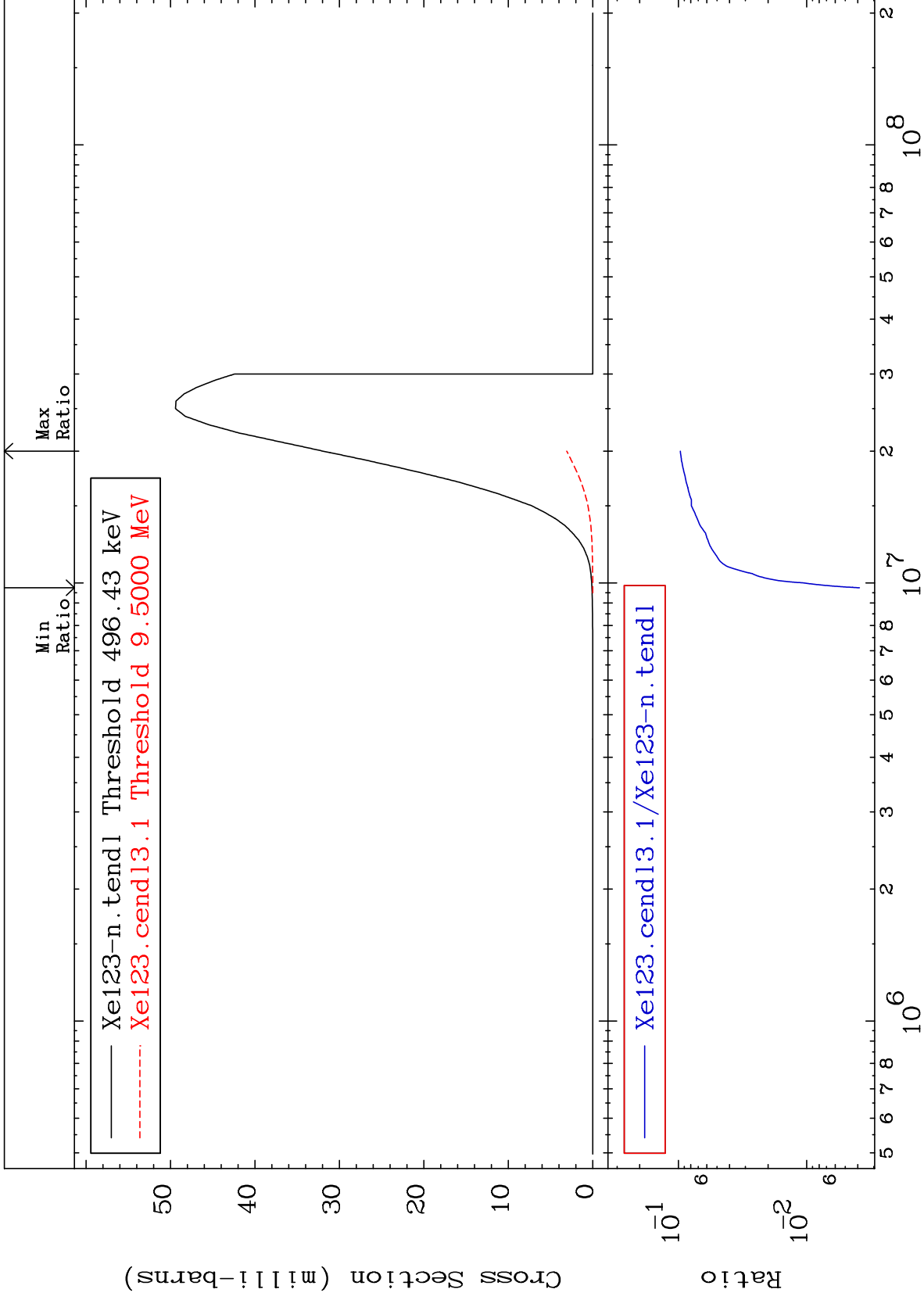
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-99.61 To -90.35%



6

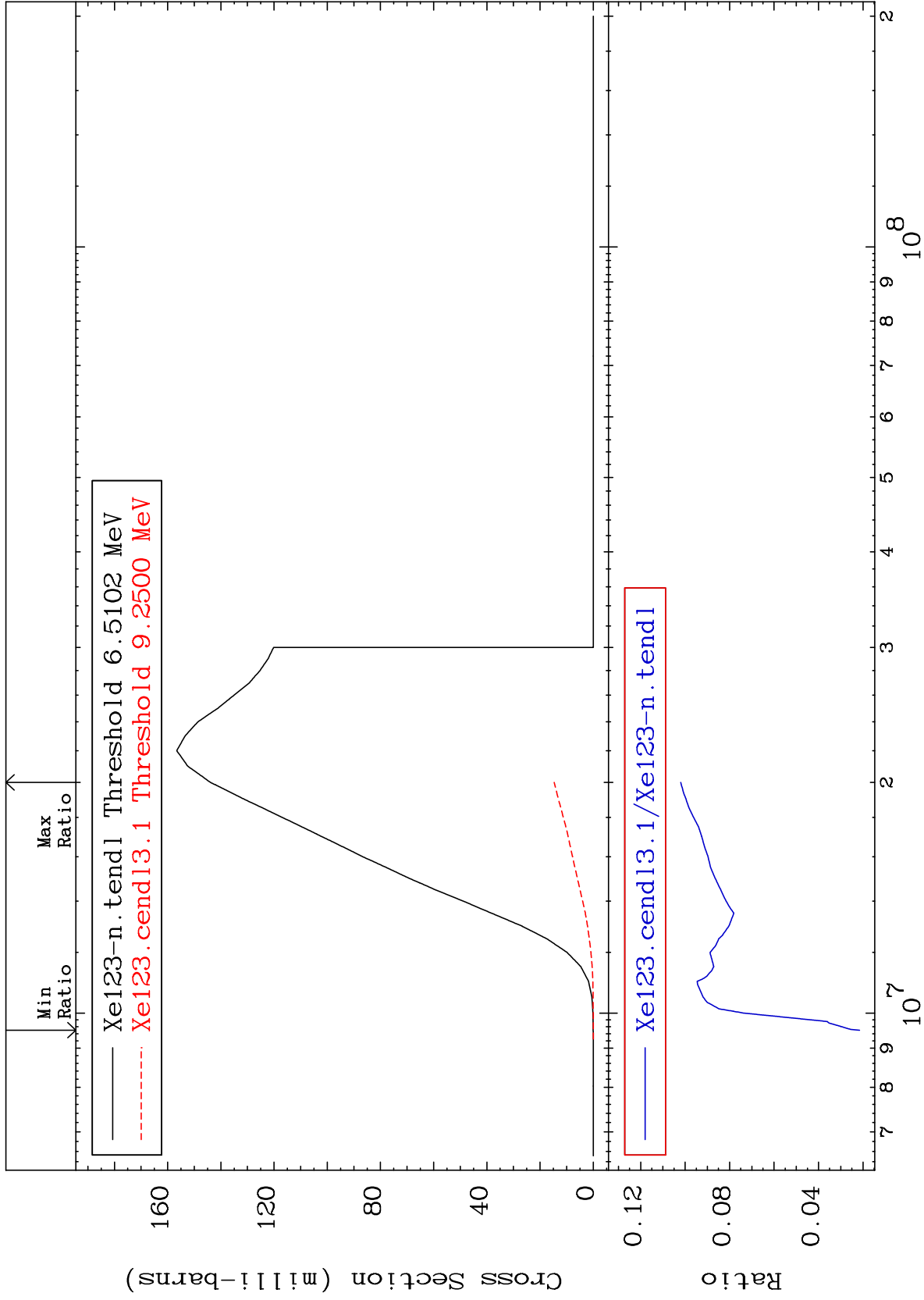
Incident Energy (eV)

54-Xe-123

MAT 5422

(n, n') p  
Cross Section

54-Xe-123  
-97.85 To -89.80%



7

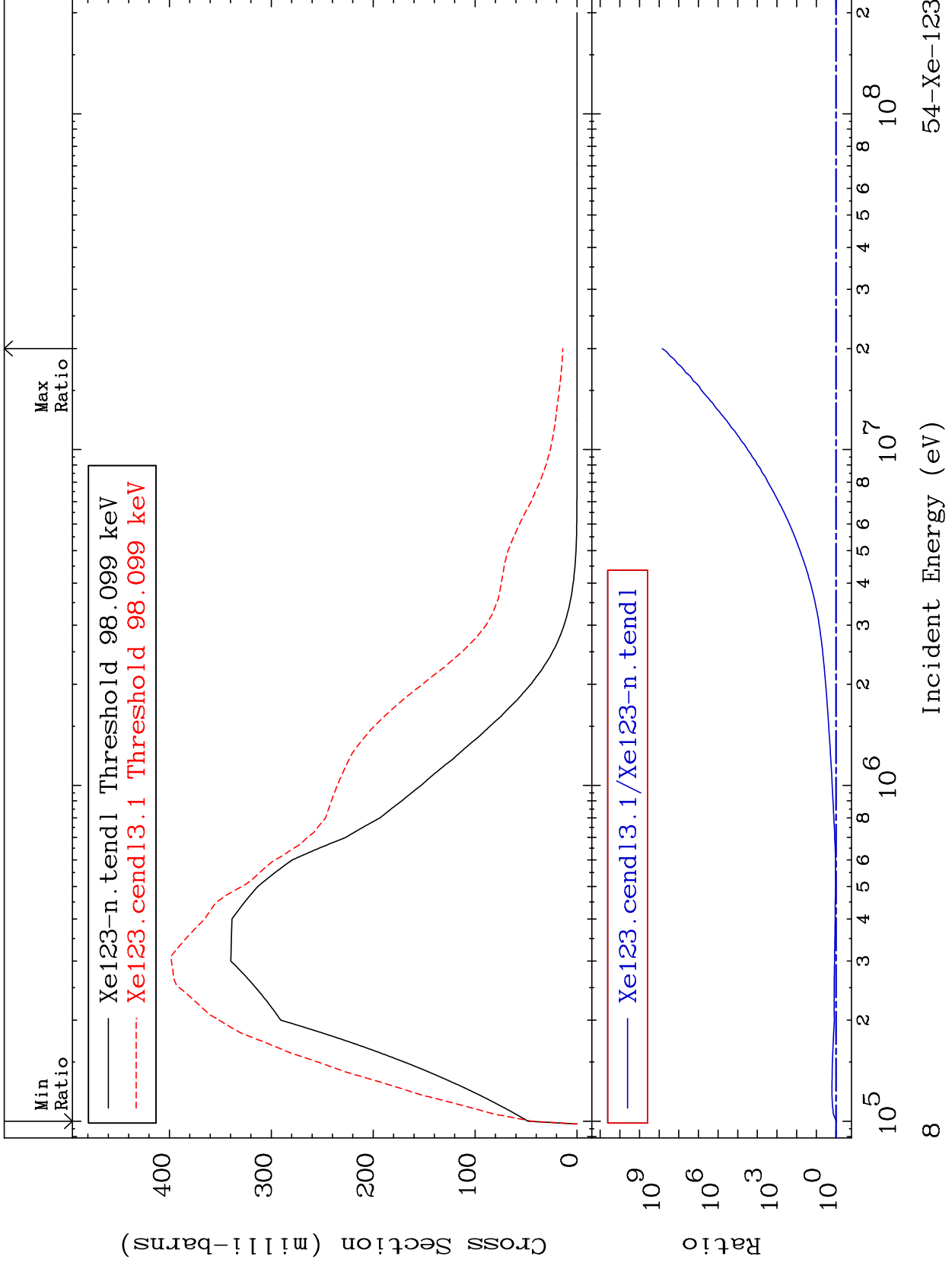
Incident Energy (eV)

54-Xe-123

MAT 5422

97.30 keV (n,n') Level  
Cross Section

54-Xe-123  
-7.937 To 9999. %





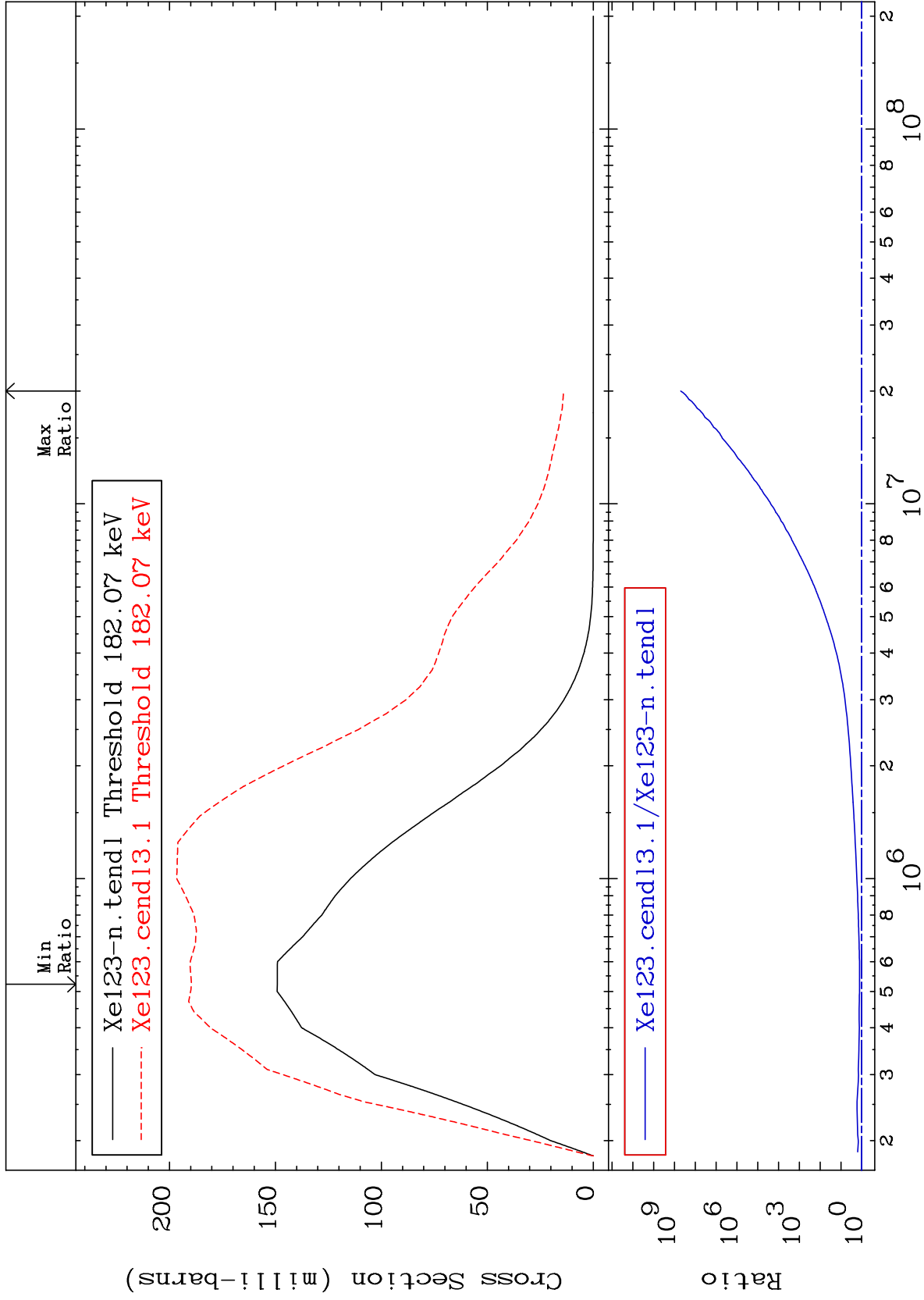
MAT 5422

180.6 keV (n,n') Level

54-Xe-123

27.16 To 9999. %

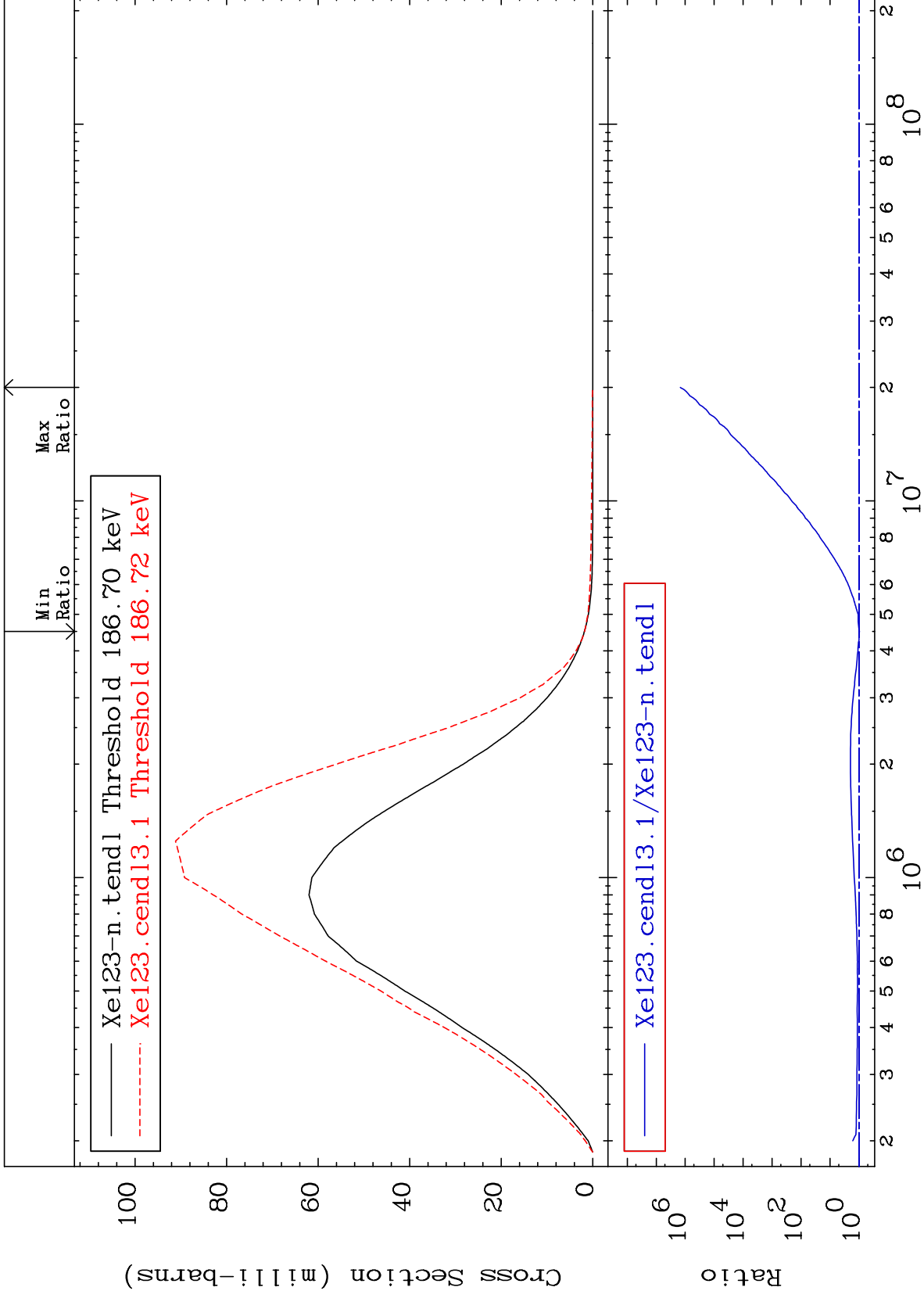
Cross Section



MAT 5422

185.2 keV (n,n') Level  
Cross Section

54-Xe-123  
-3.393 To 9999. %



10

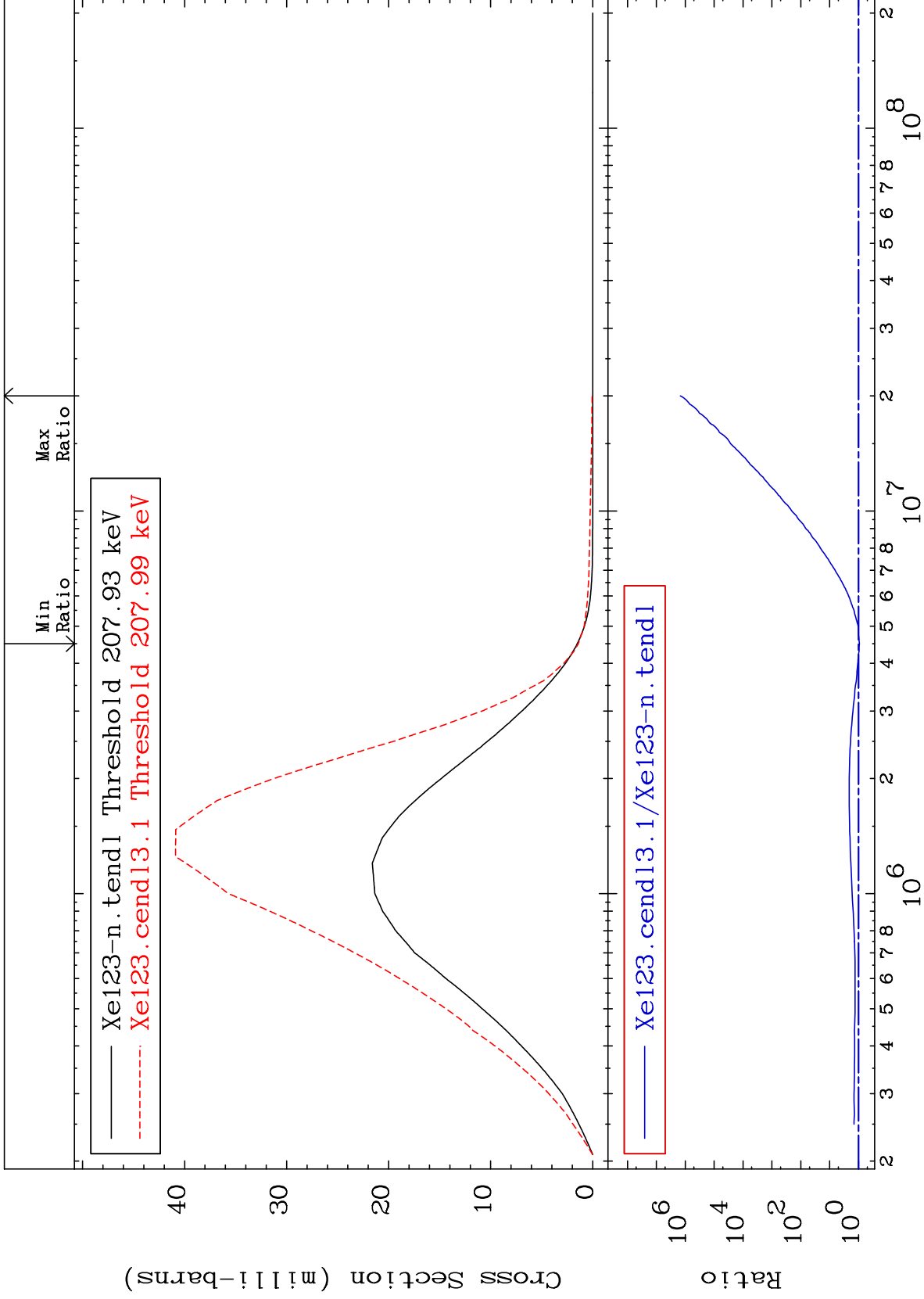
Incident Energy (eV)

54-Xe-123

MAT 5422

206.2 keV (n,n') Level  
Cross Section

54-Xe-123  
-6.683 To 9999. %



11

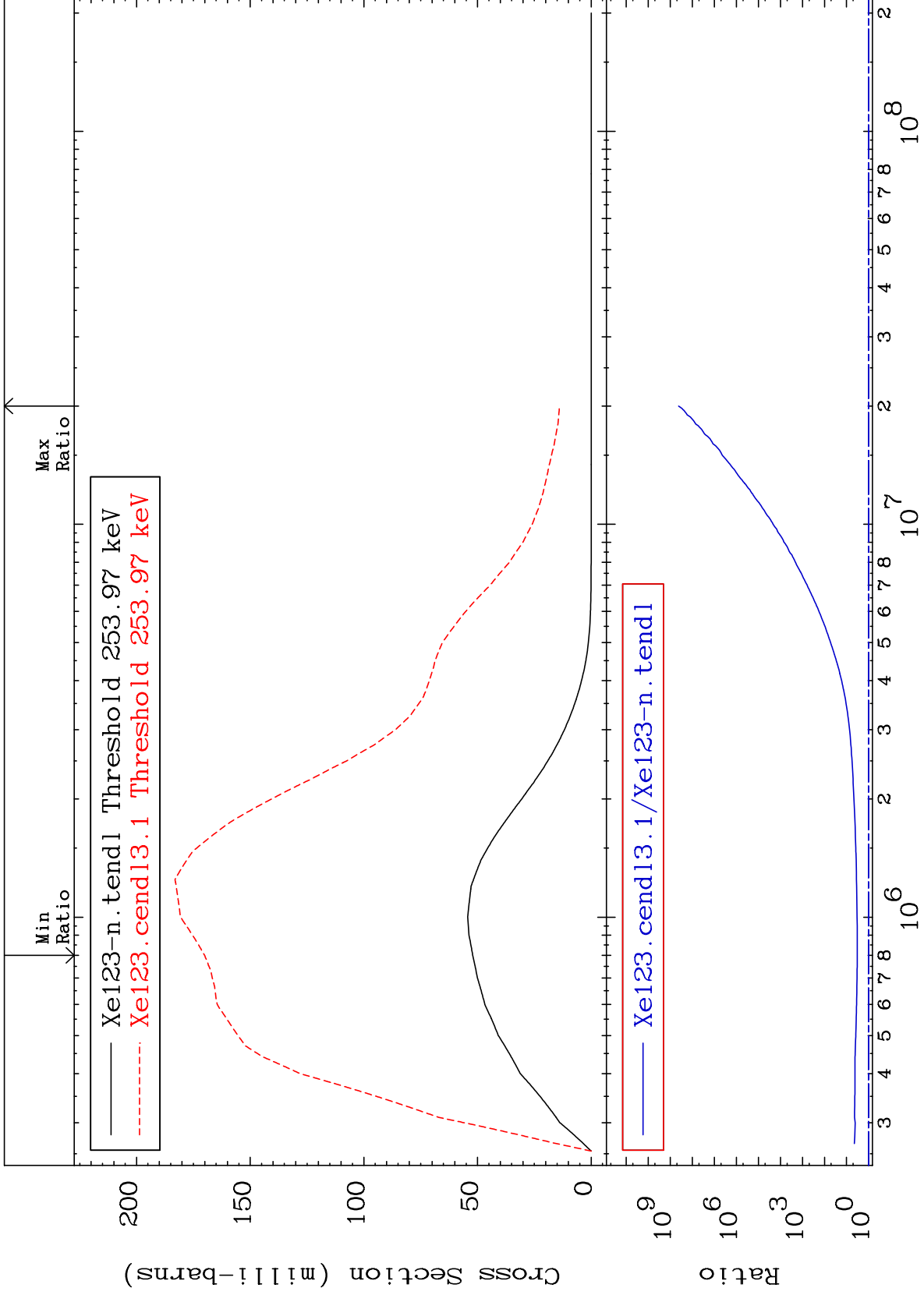
Incident Energy (eV)

54-Xe-123

MAT 5422

251.9 keV (n,n') Level  
Cross Section

54-Xe-123  
226.3 To 9999. %



12

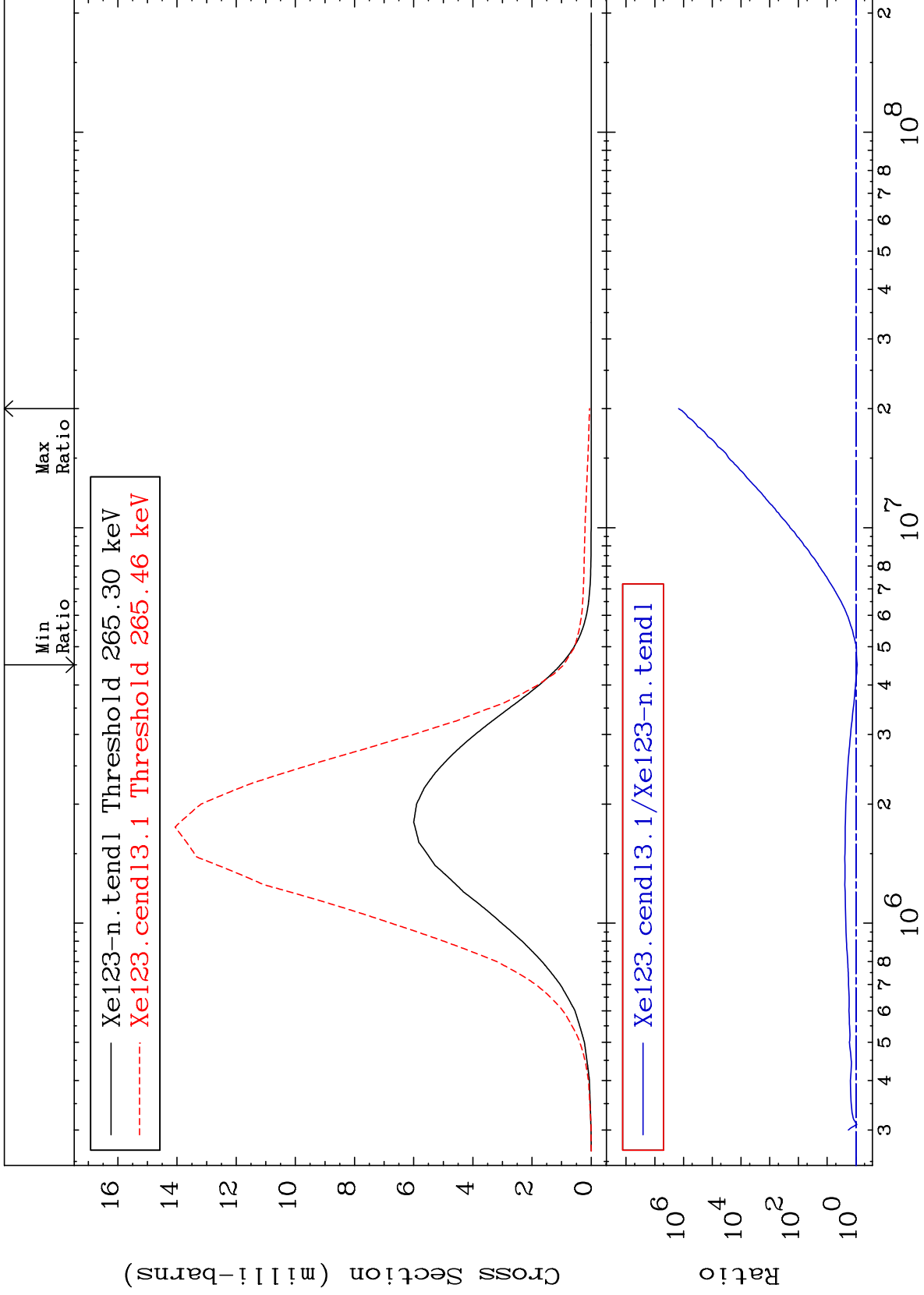
Incident Energy (eV)

54-Xe-123

MAT 5422

263.1 keV (n,n') Level  
Cross Section

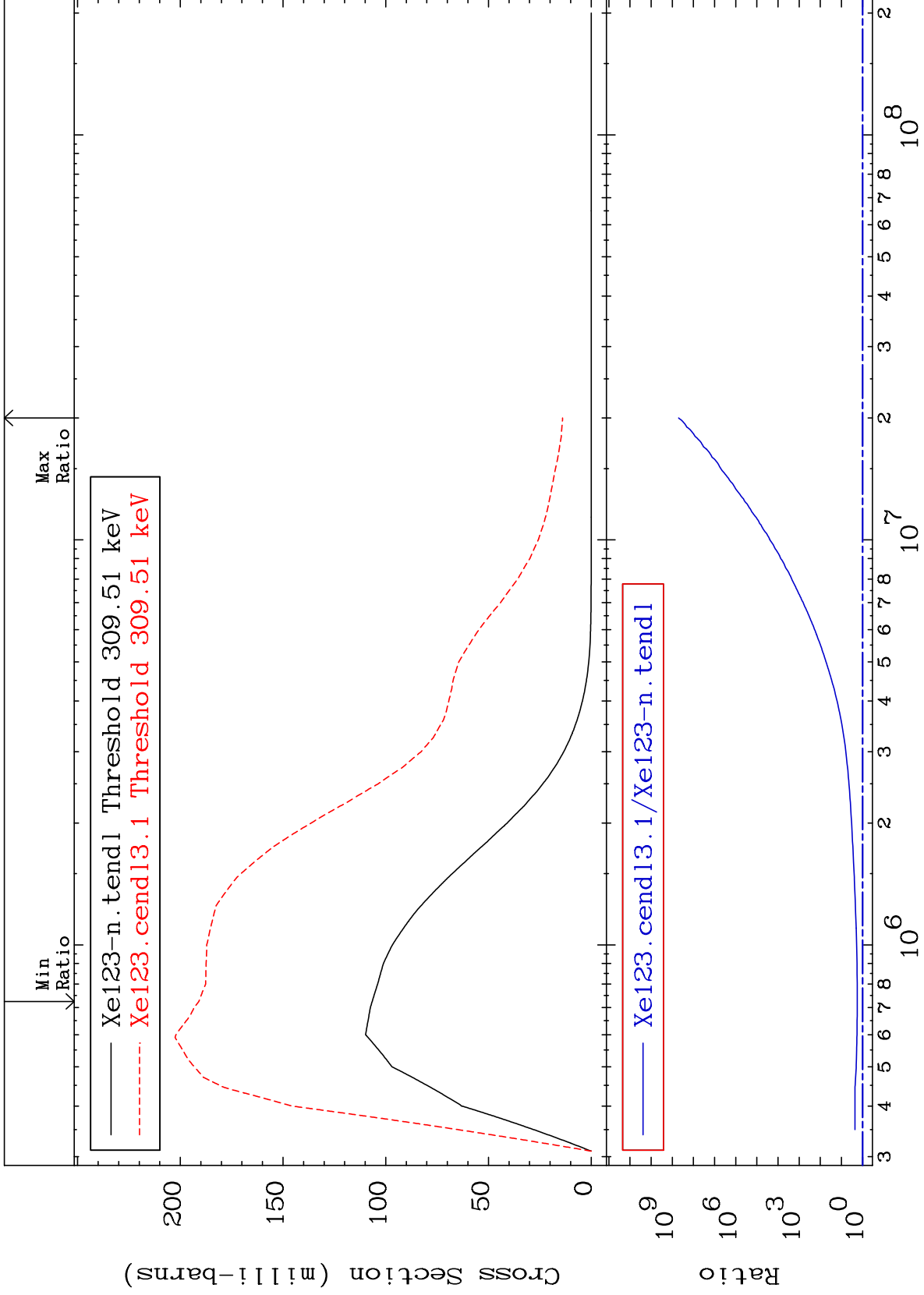
54-Xe-123  
-10.28 To 9999. %



MAT 5422

307.0 keV (n,n') Level  
Cross Section

54-Xe-123  
79.15 To 9999. %



14

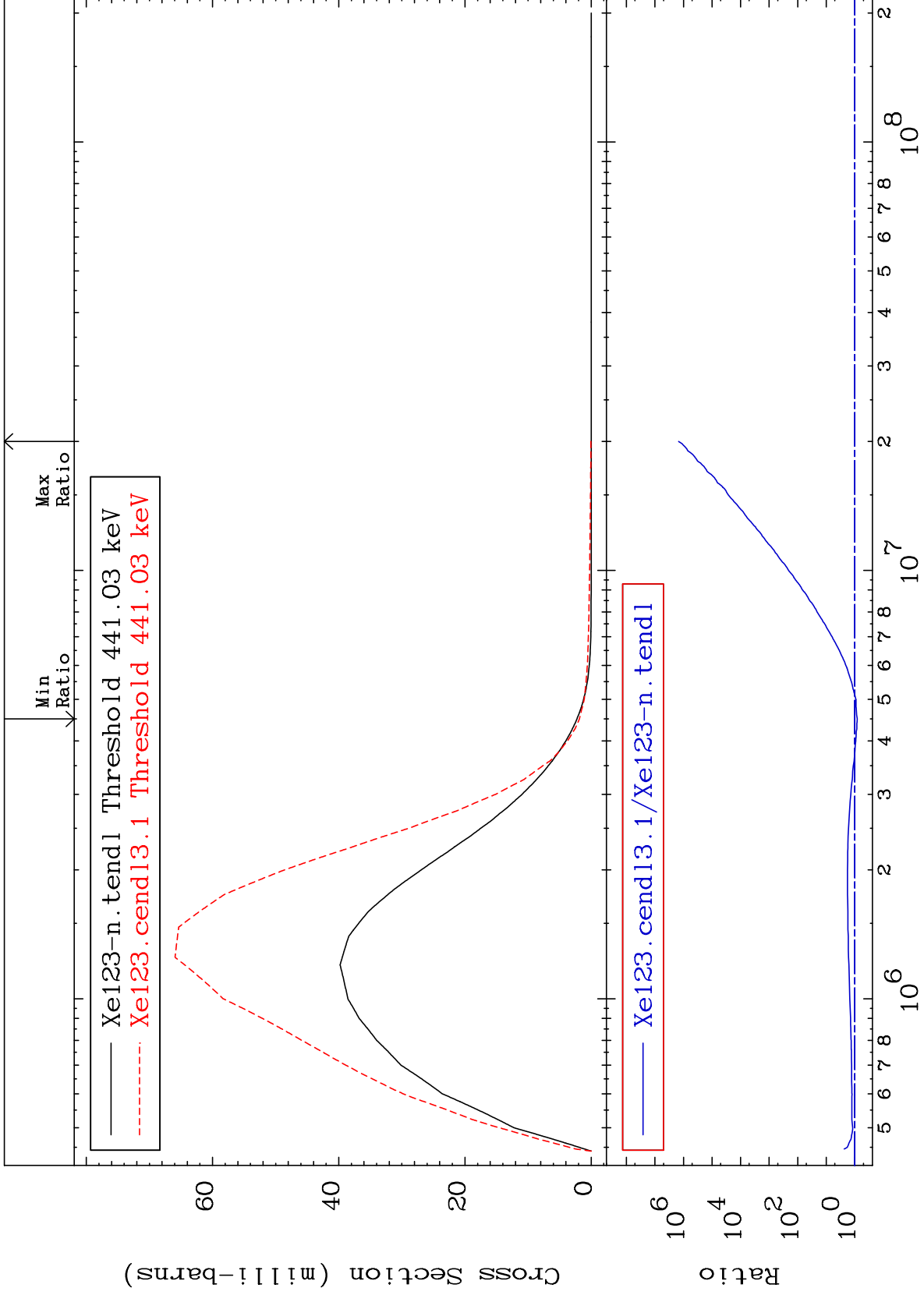
Incident Energy (eV)

54-Xe-123

MAT 5422

437.4 keV (n,n') Level  
Cross Section

54-Xe-123  
-17.64 To 9999. %



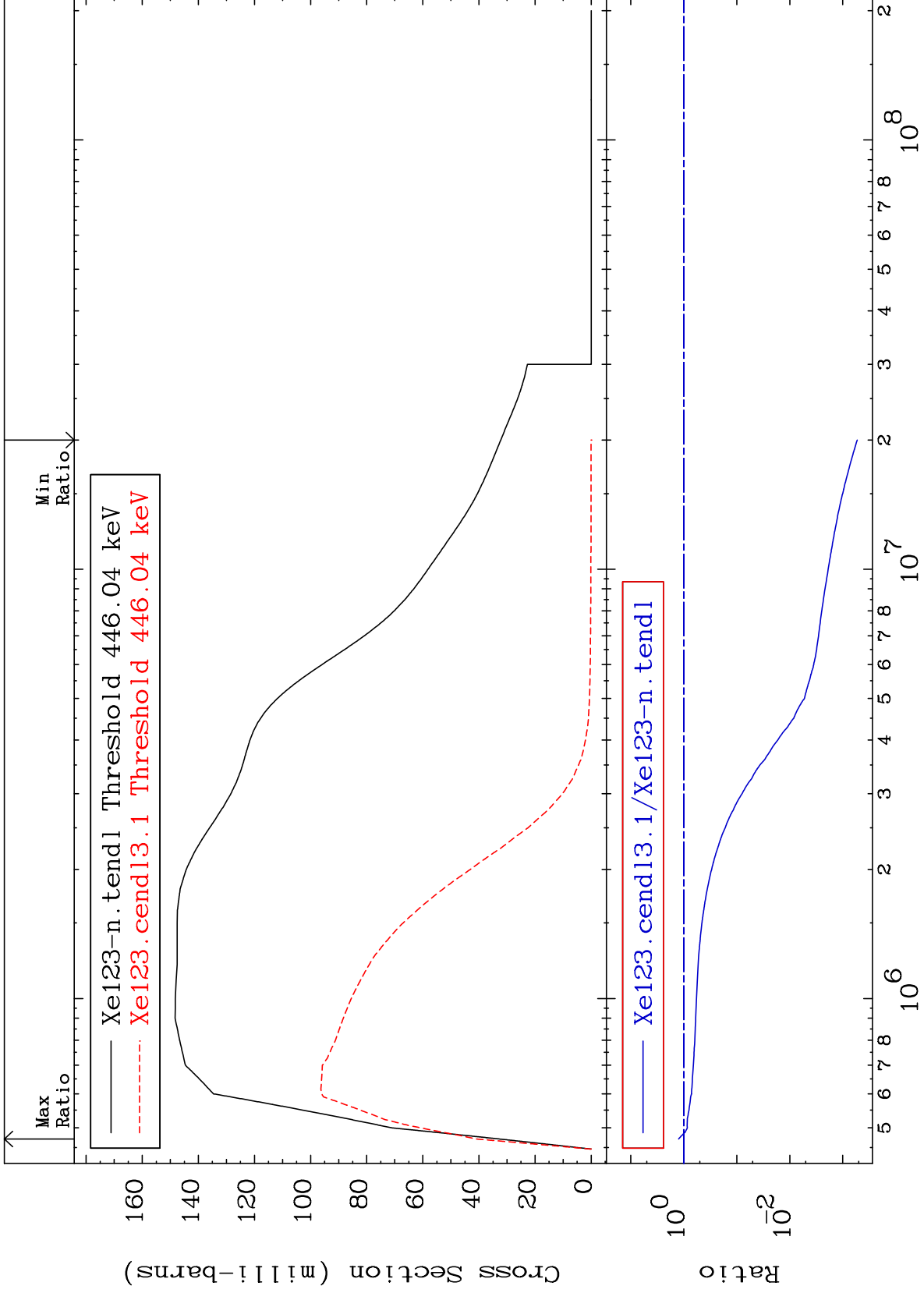
15

54-Xe-123

MAT 5422

442.4 keV (n,n') Level  
Cross Section

54-Xe-123  
-99.95 To 24.99 %



16

Incident Energy (eV)

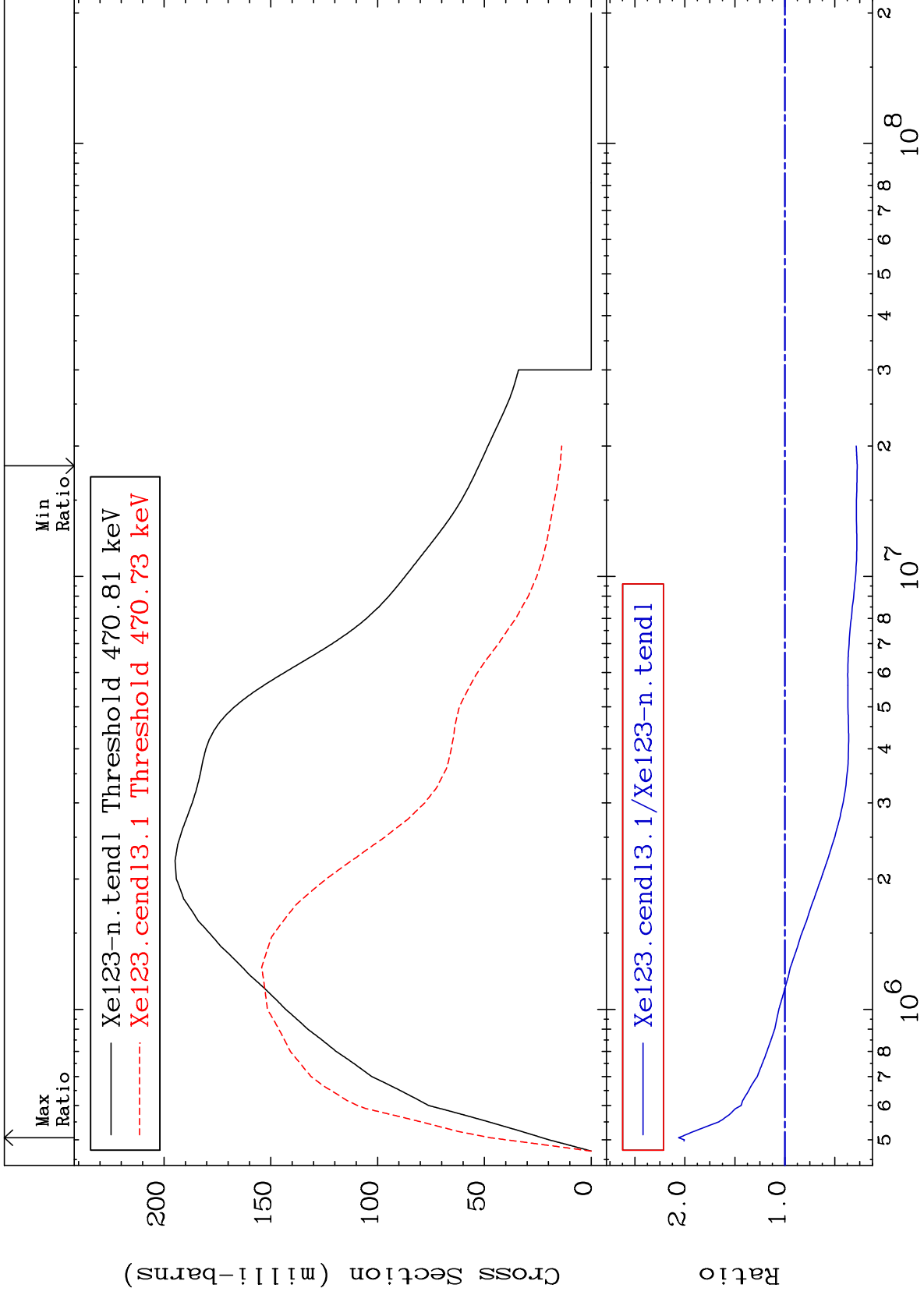
54-Xe-123



MAT 5422

467.0 keV (n,n') Level  
Cross Section

54-Xe-123  
-72.40 To 106.3 %



17

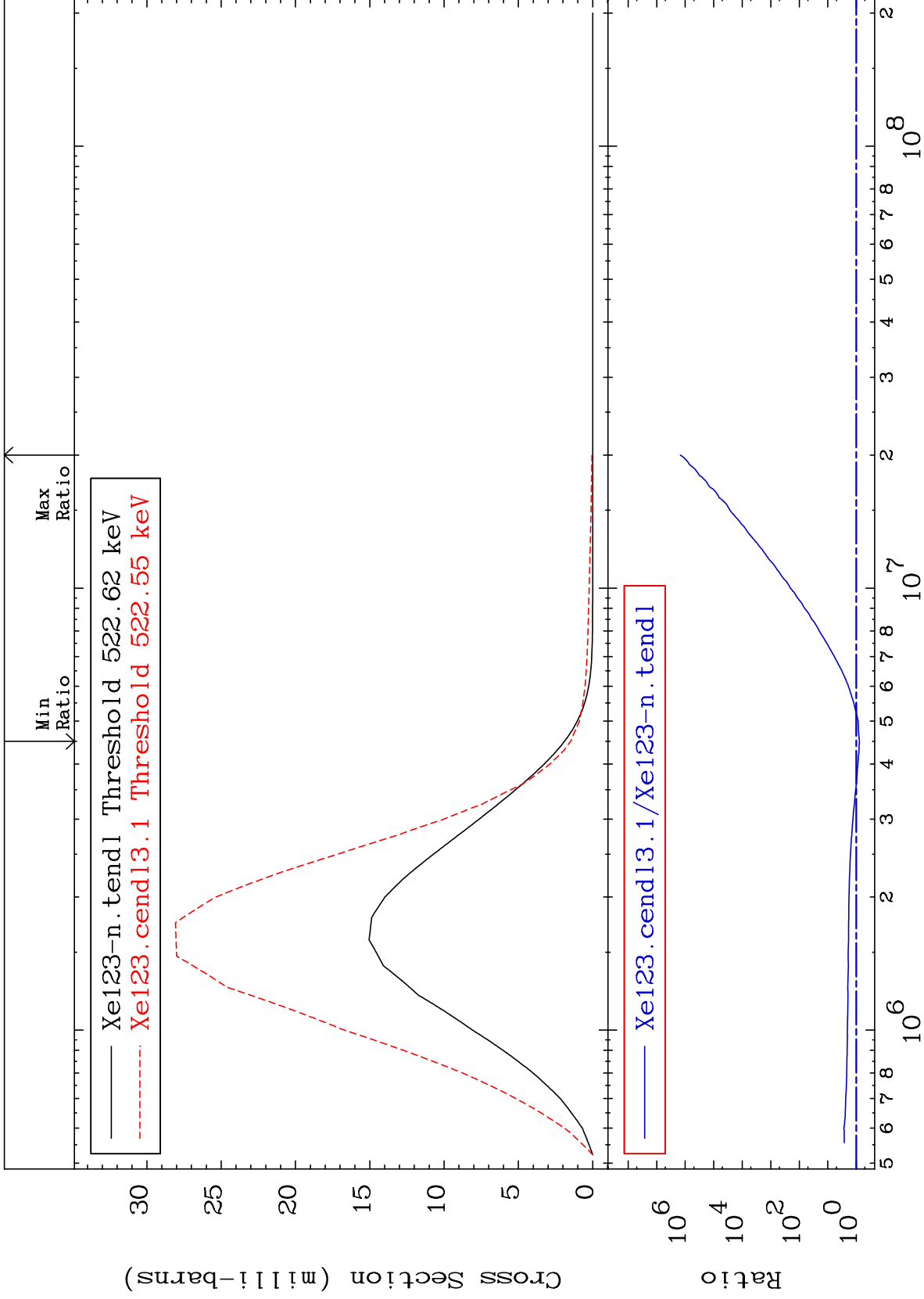
Incident Energy (eV)

54-Xe-123

MAT 5422

518.4 keV (n,n') Level  
Cross Section

54-Xe-123  
-21.93 To 9999. %



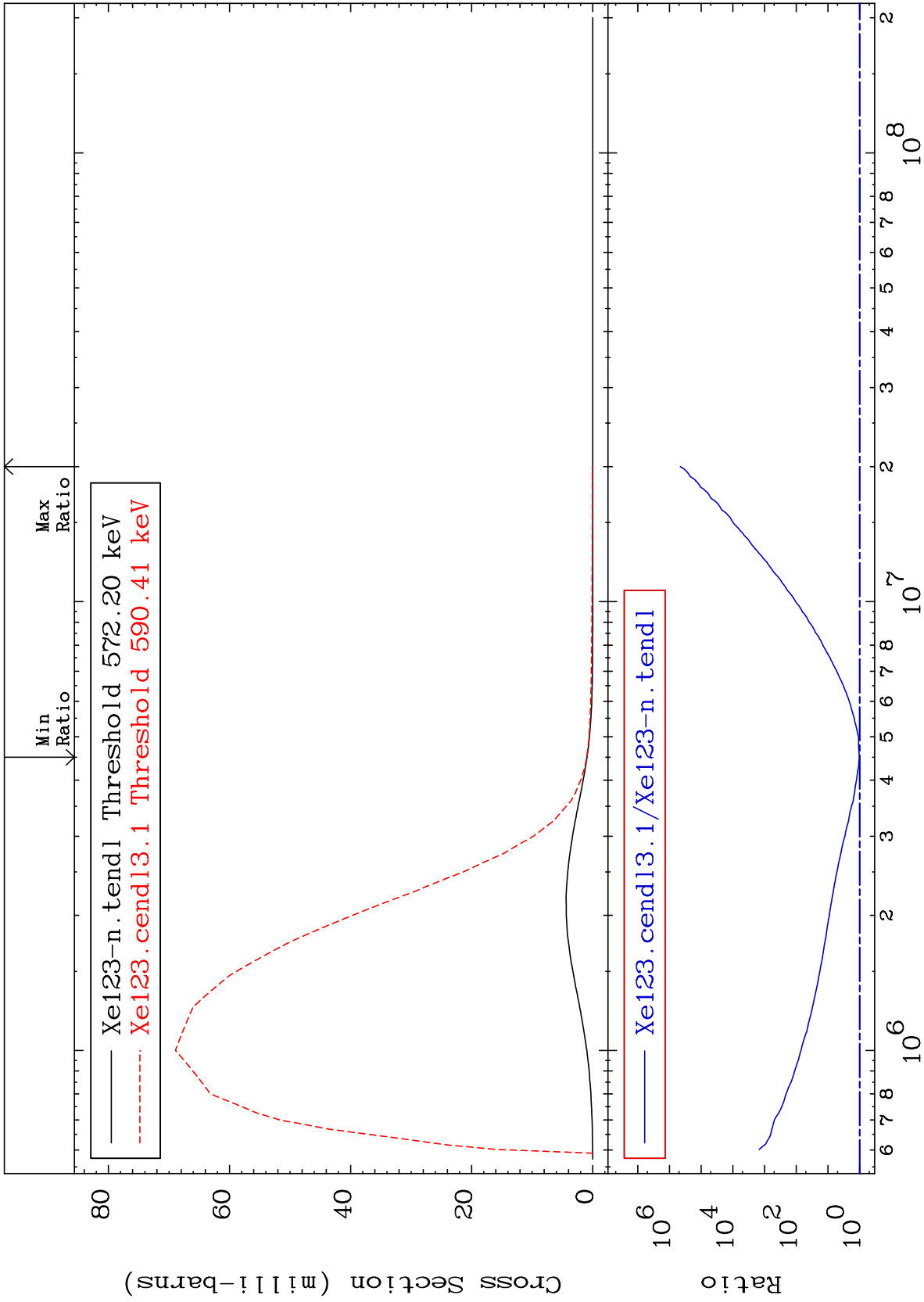
MAT 5422

567.5 keV (n,n') Level

54-Xe-123

1.389 To 9999. %

Cross Section



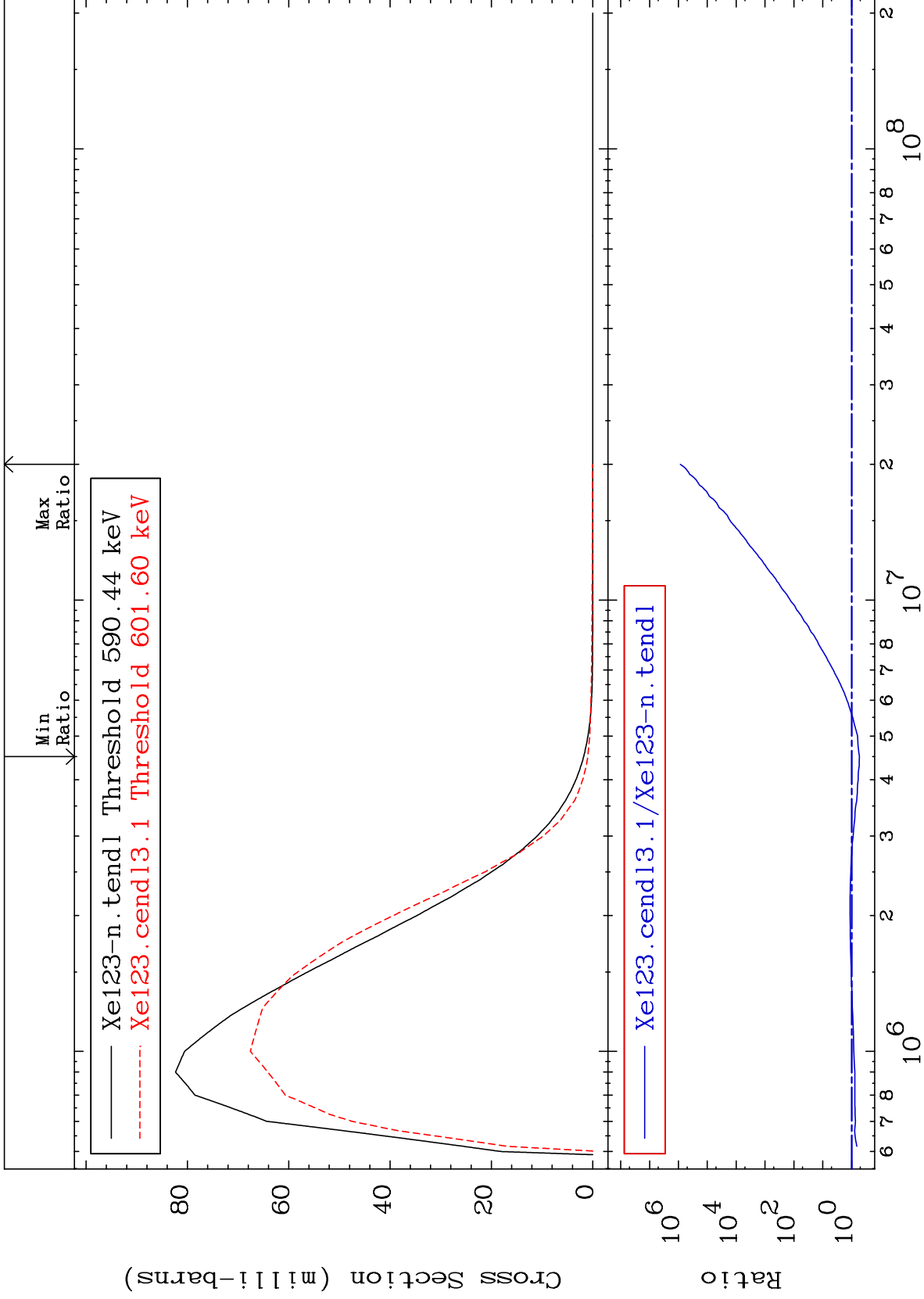
19

54-Xe-123

MAT 5422

585.6 keV (n,n') Level  
Cross Section

54-Xe-123  
-46.33 To 9999. %



20

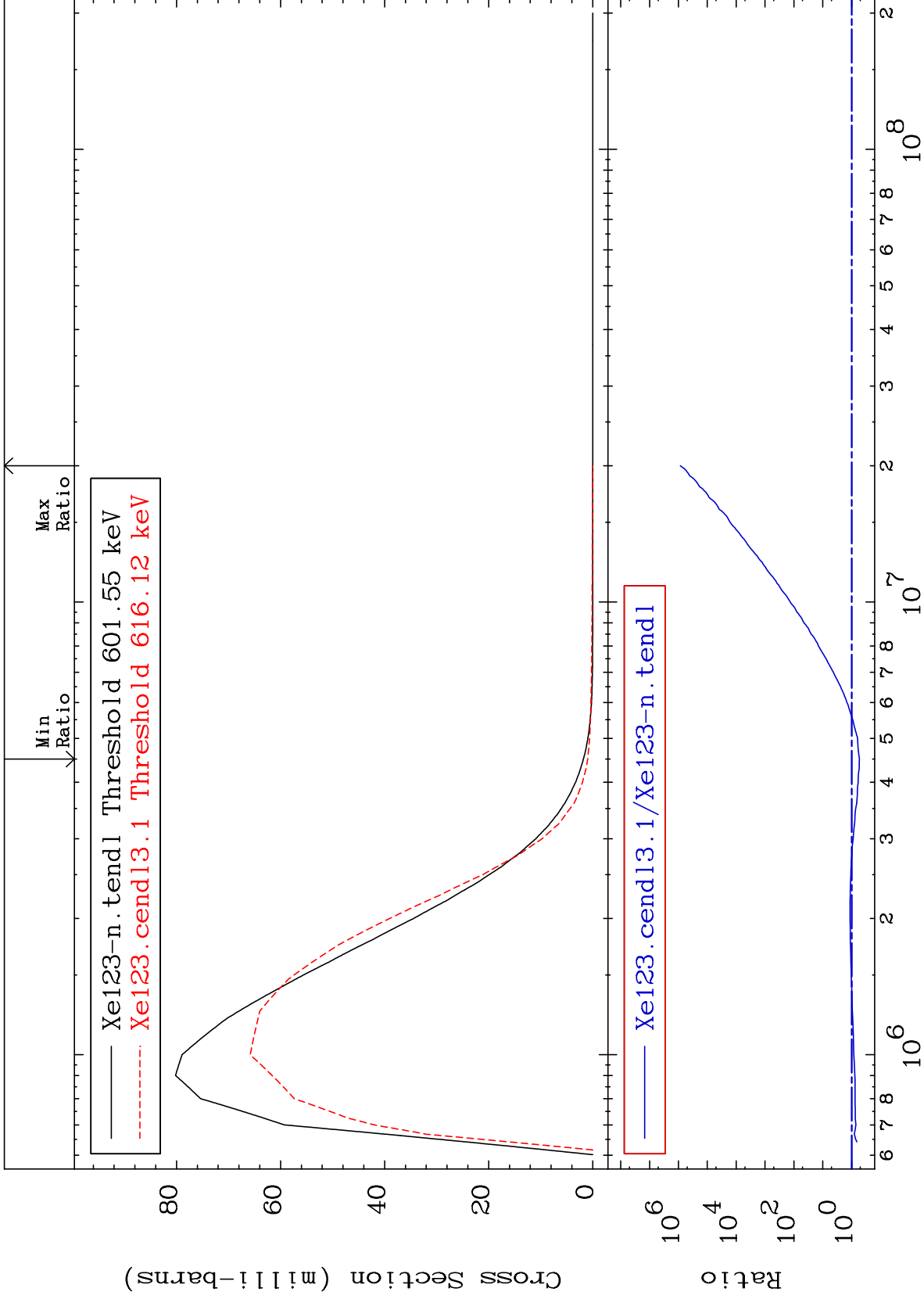
Incident Energy (eV)

54-Xe-123

MAT 5422

596.7 keV (n,n') Level  
Cross Section

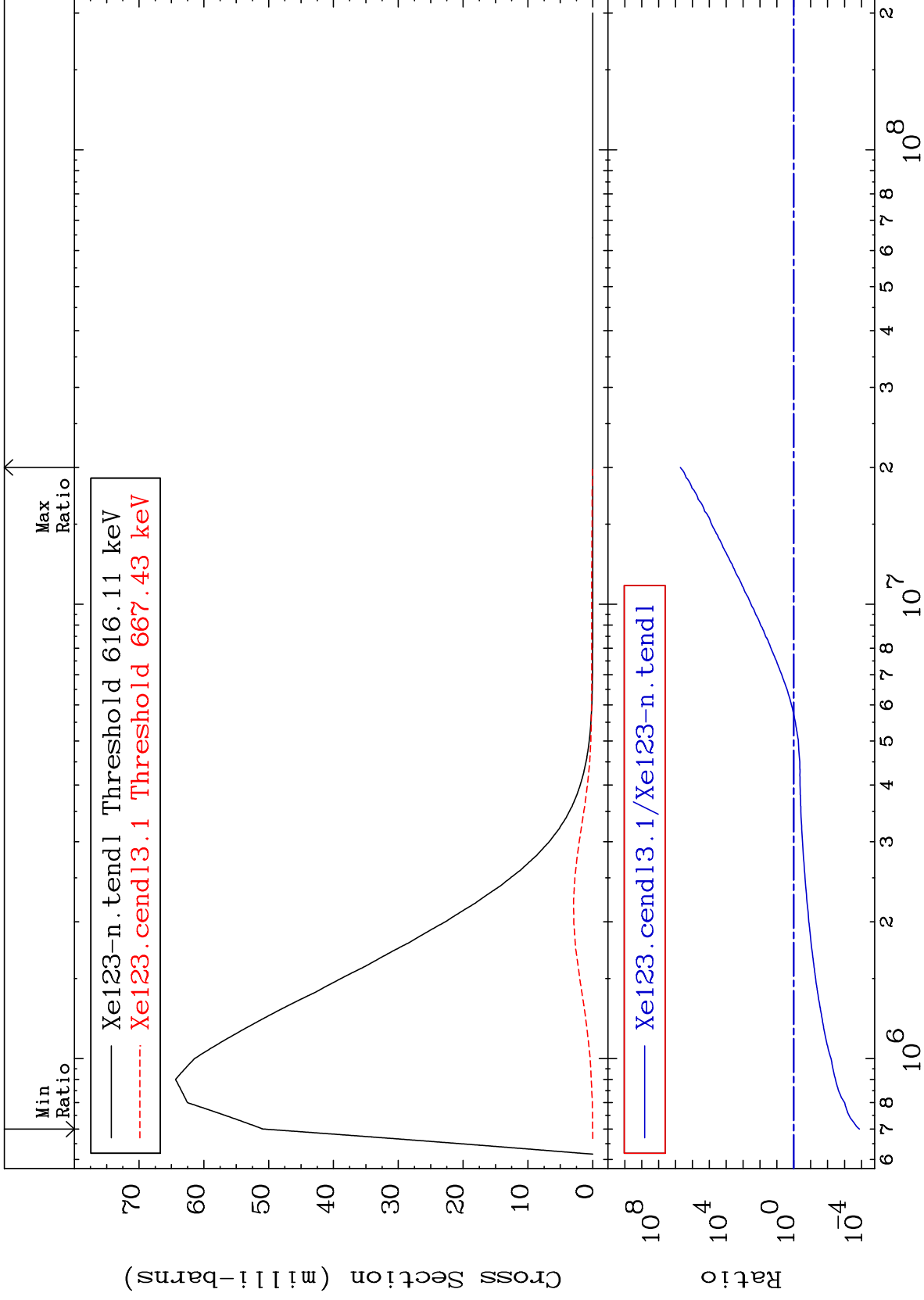
54-Xe-123  
-46.34 To 9999. %



MAT 5422

611.1 keV (n,n') Level  
Cross Section

54-Xe-123  
-99.99 To 9999. %



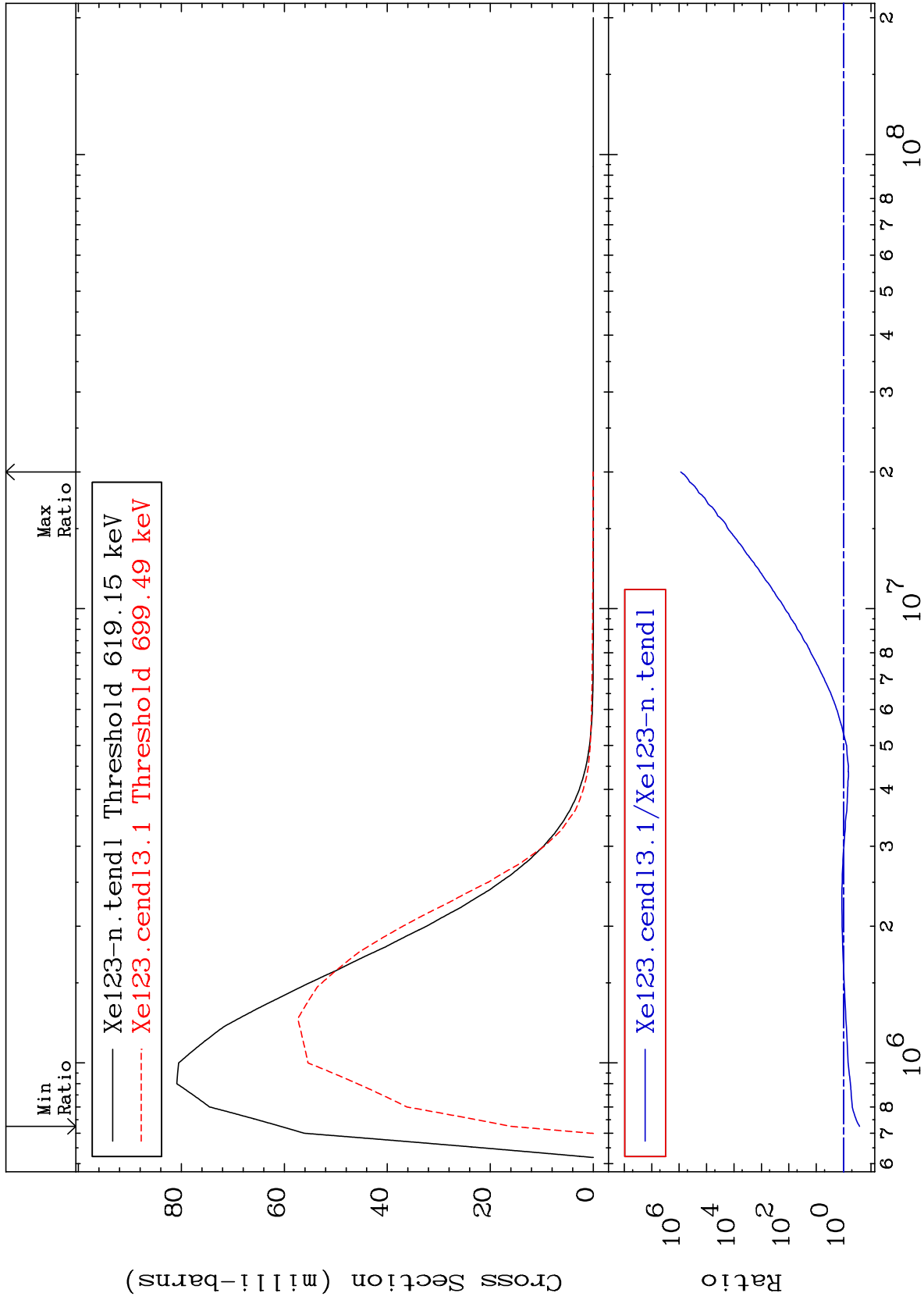
MAT 5422

614.1 keV (n,n') Level

54-Xe-123

-73.64 To 9999. %

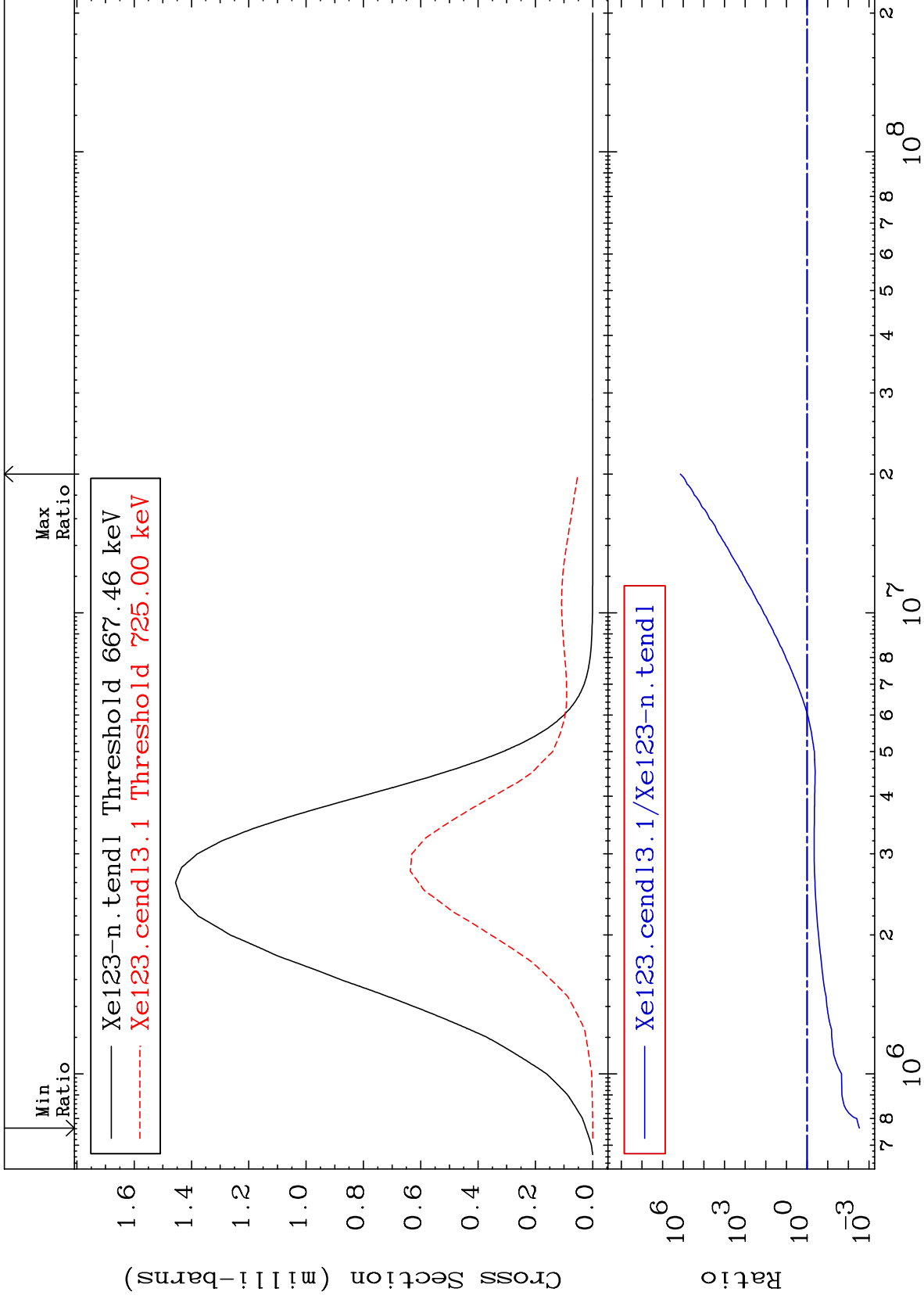
Cross Section



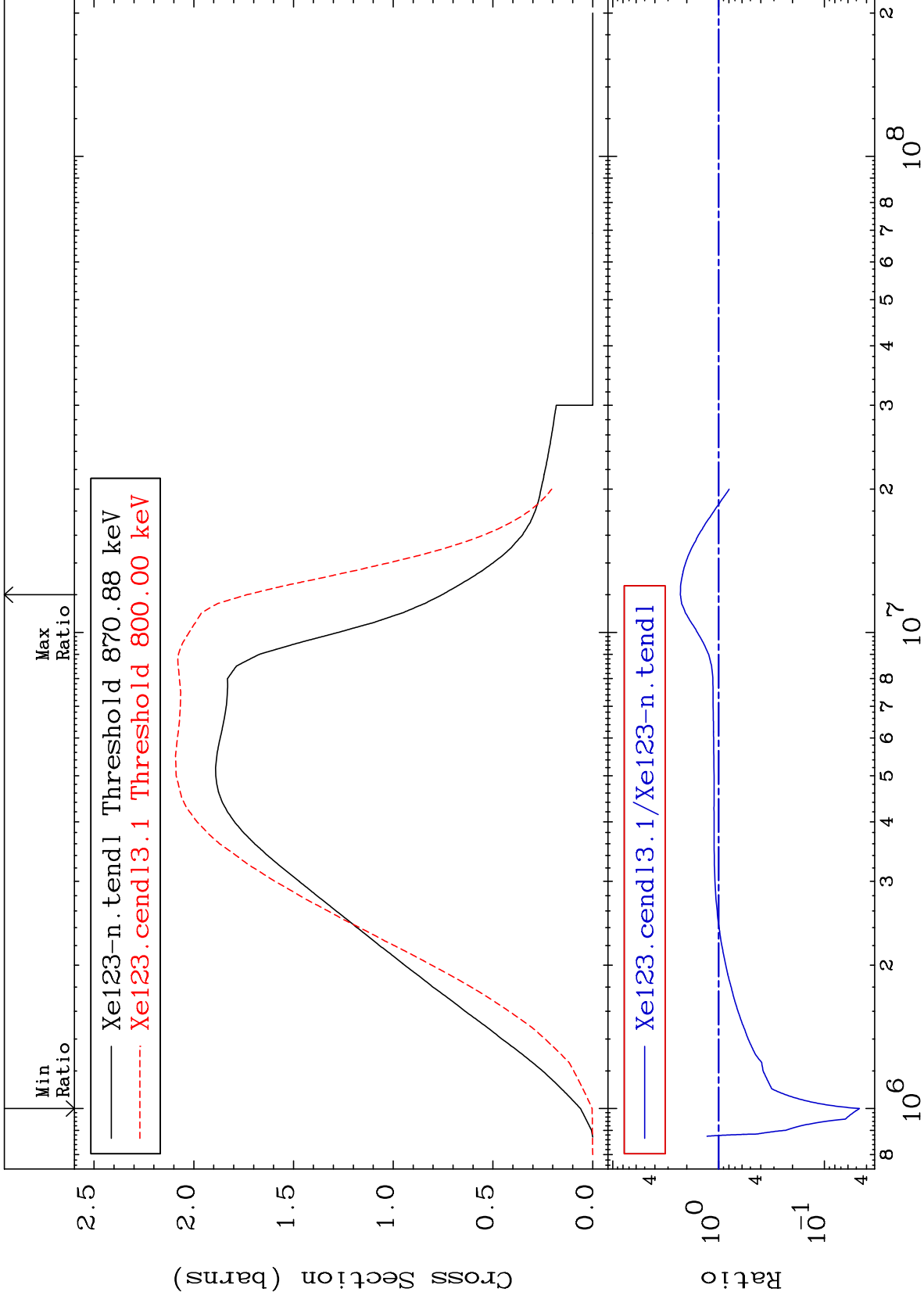
MAT 5422

662.0 keV (n,n') Level  
Cross Section

54-Xe-123  
-99.71 To 9999. %



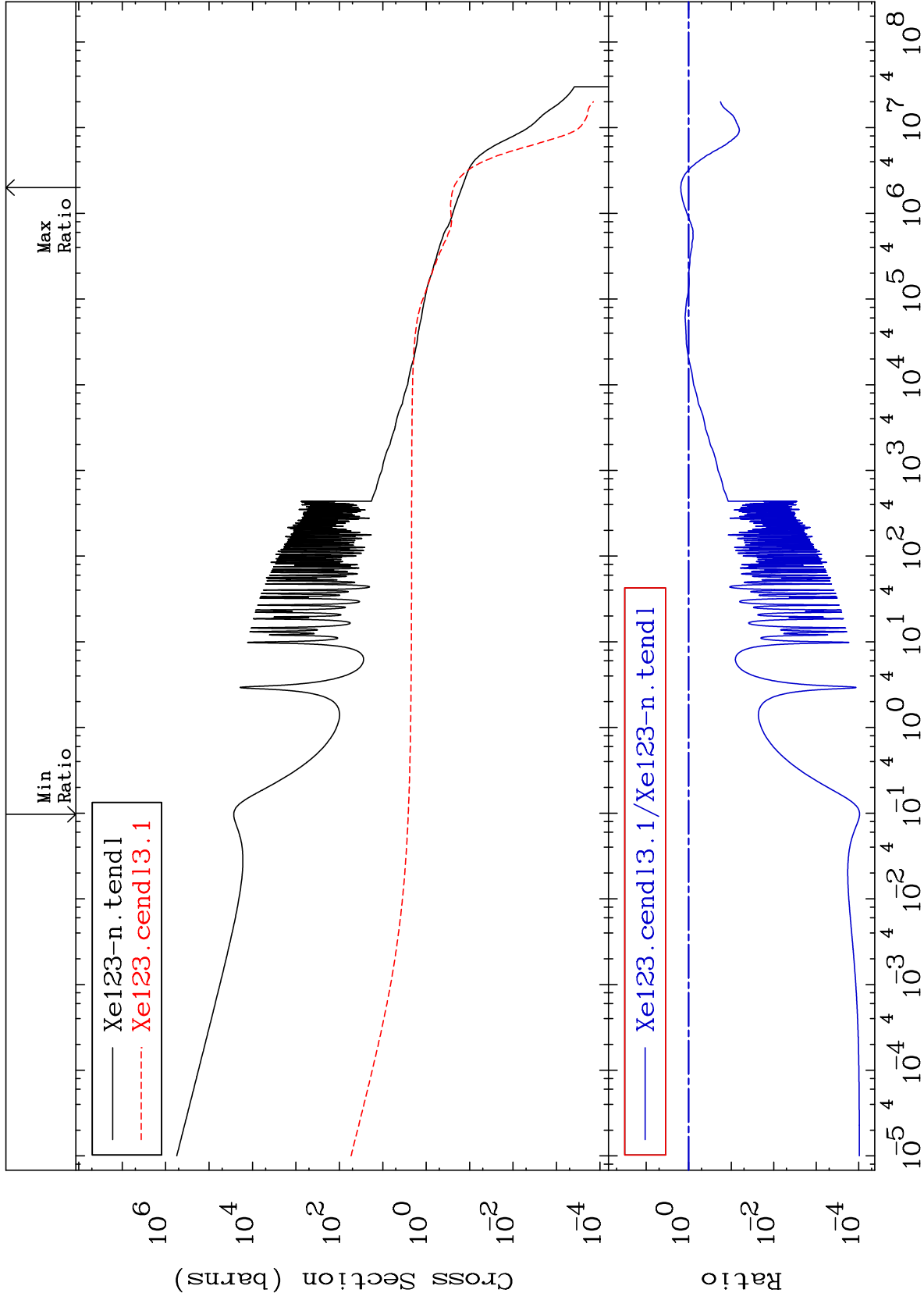




MAT 5422

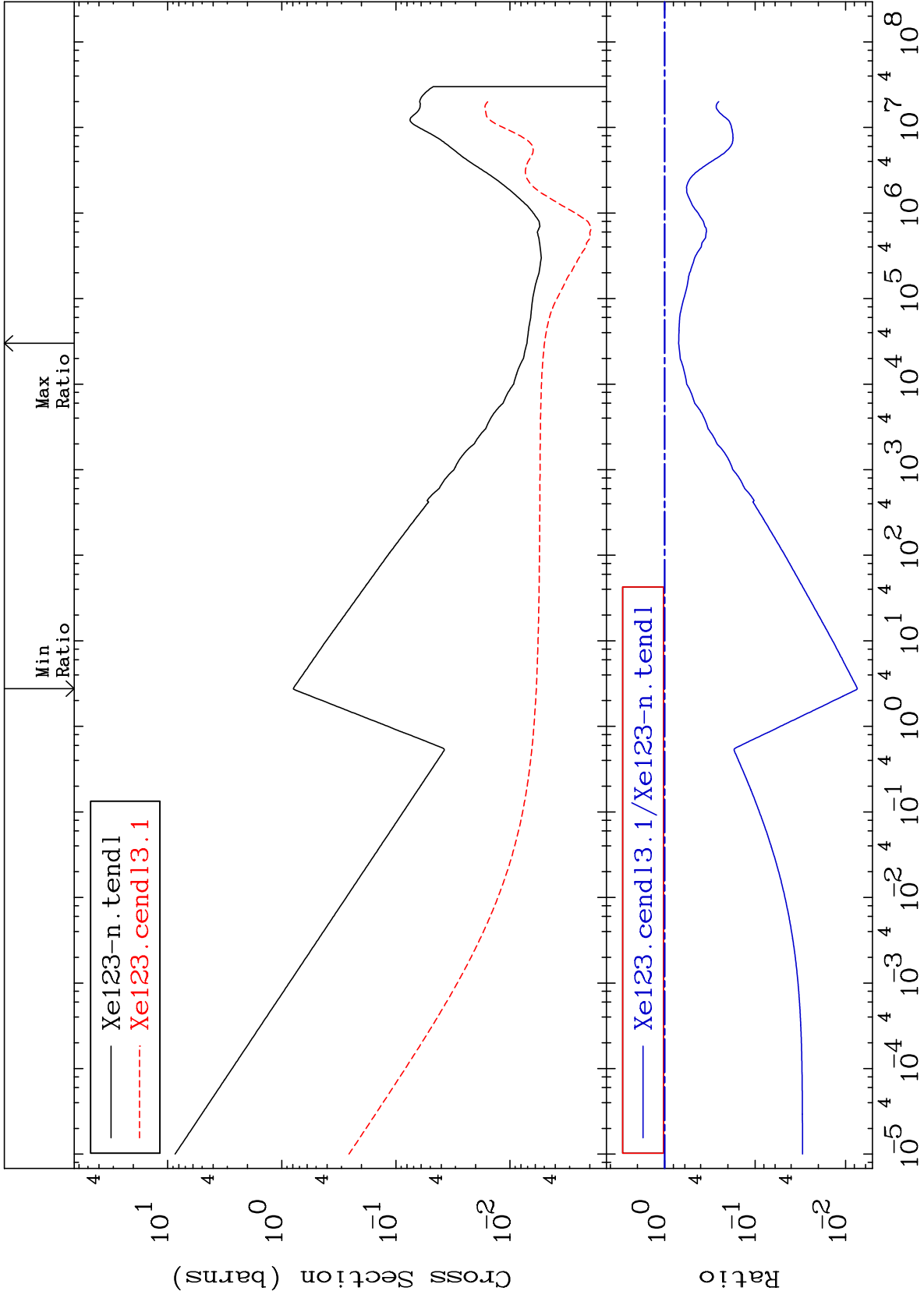
(n,  $\gamma$ )  
Cross Section

54-Xe-123  
-99.99 To 53.96 %



MAT 5422

(n,p) Cross Section  
54-Xe-123  
-99.26 To -29.84%



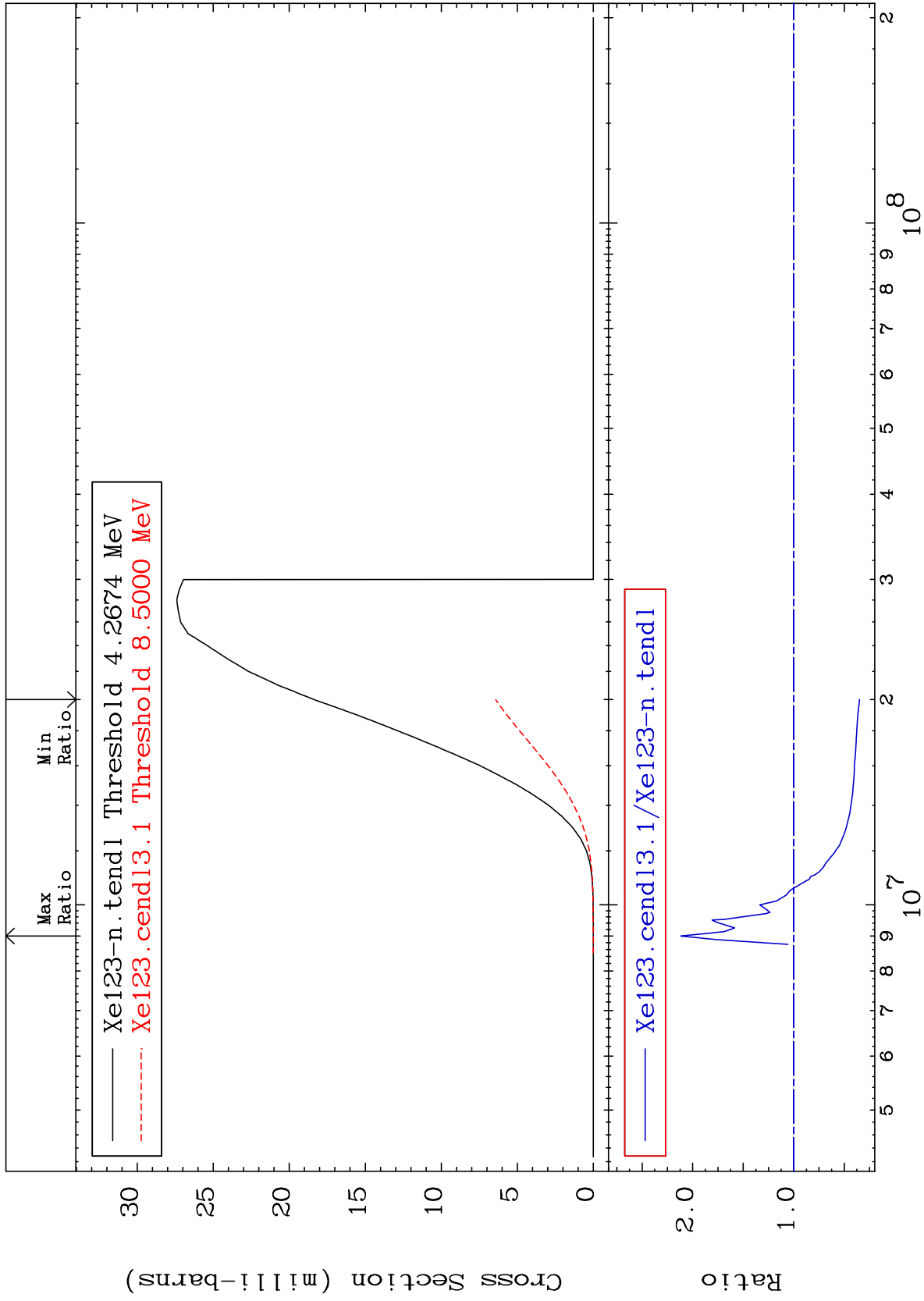
MAT 5422

(n, d)

54-Xe-123

Cross Section

-65.09 To 111.8 %



28

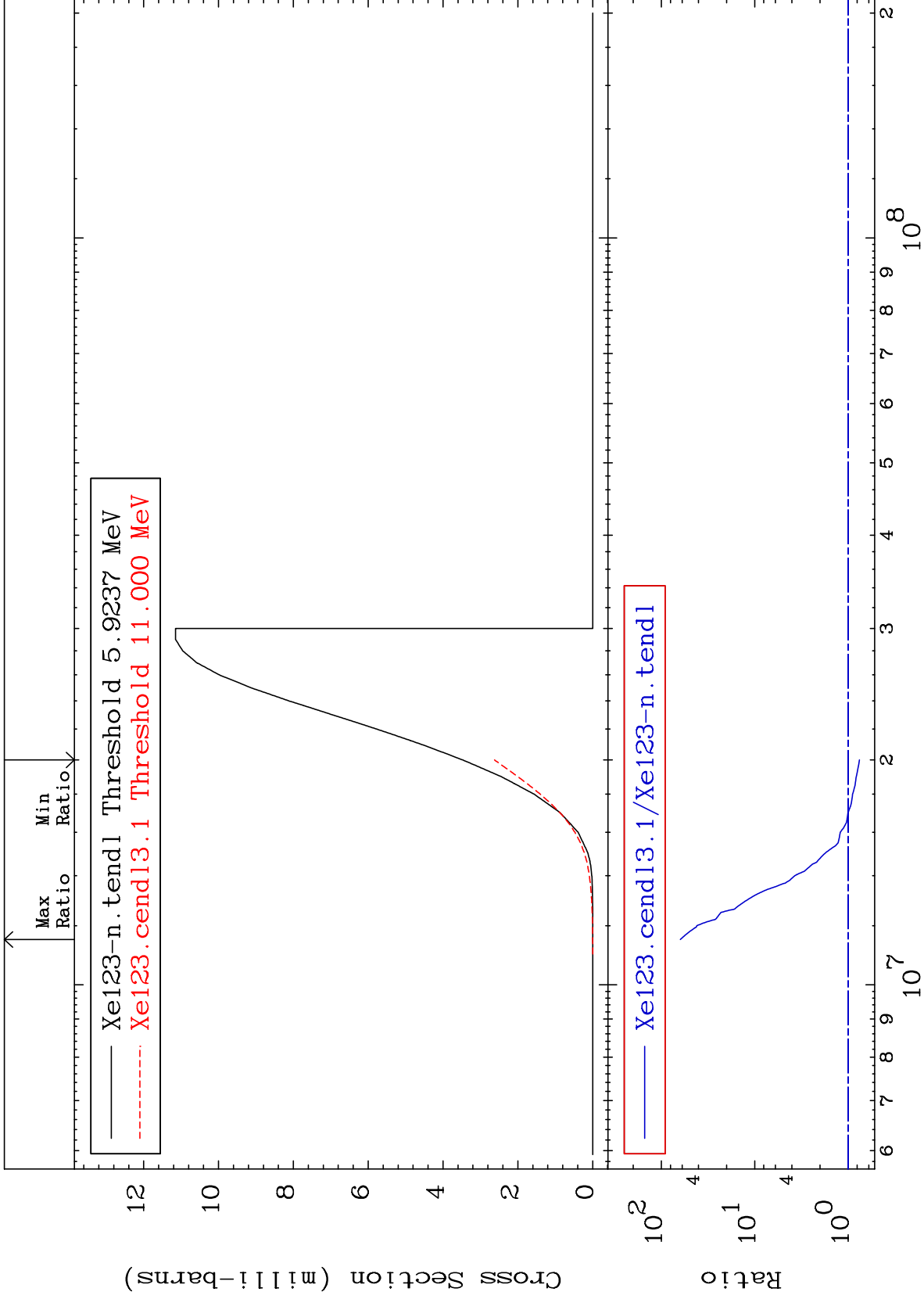
Incident Energy (eV)

54-Xe-123

MAT 5422

(n, t)  
Cross Section

54-Xe-123  
-24.39 To 6164. %



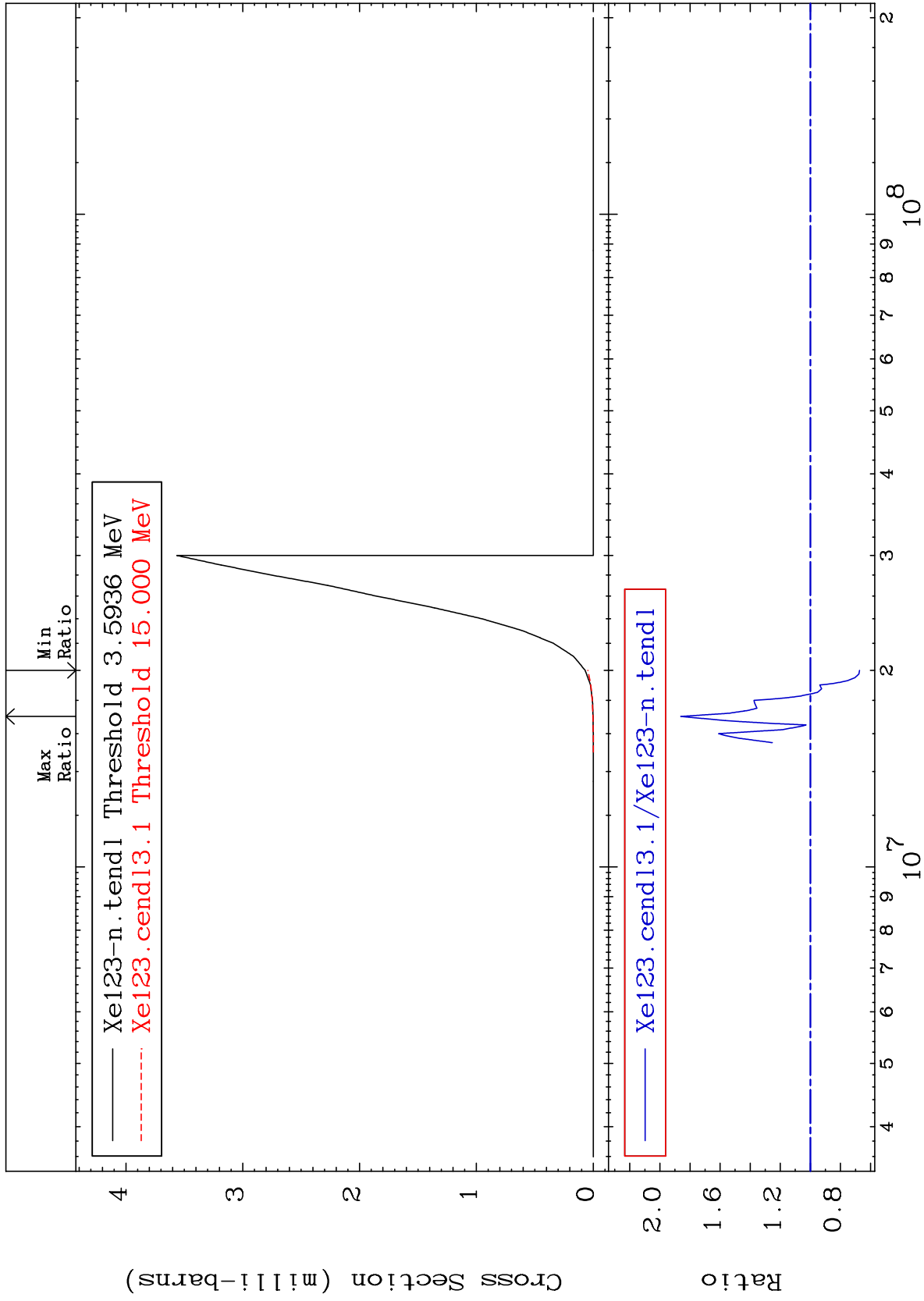
MAT 5422

(n, He-3)

54-Xe-123

Cross Section

-32.70 To 86.13 %



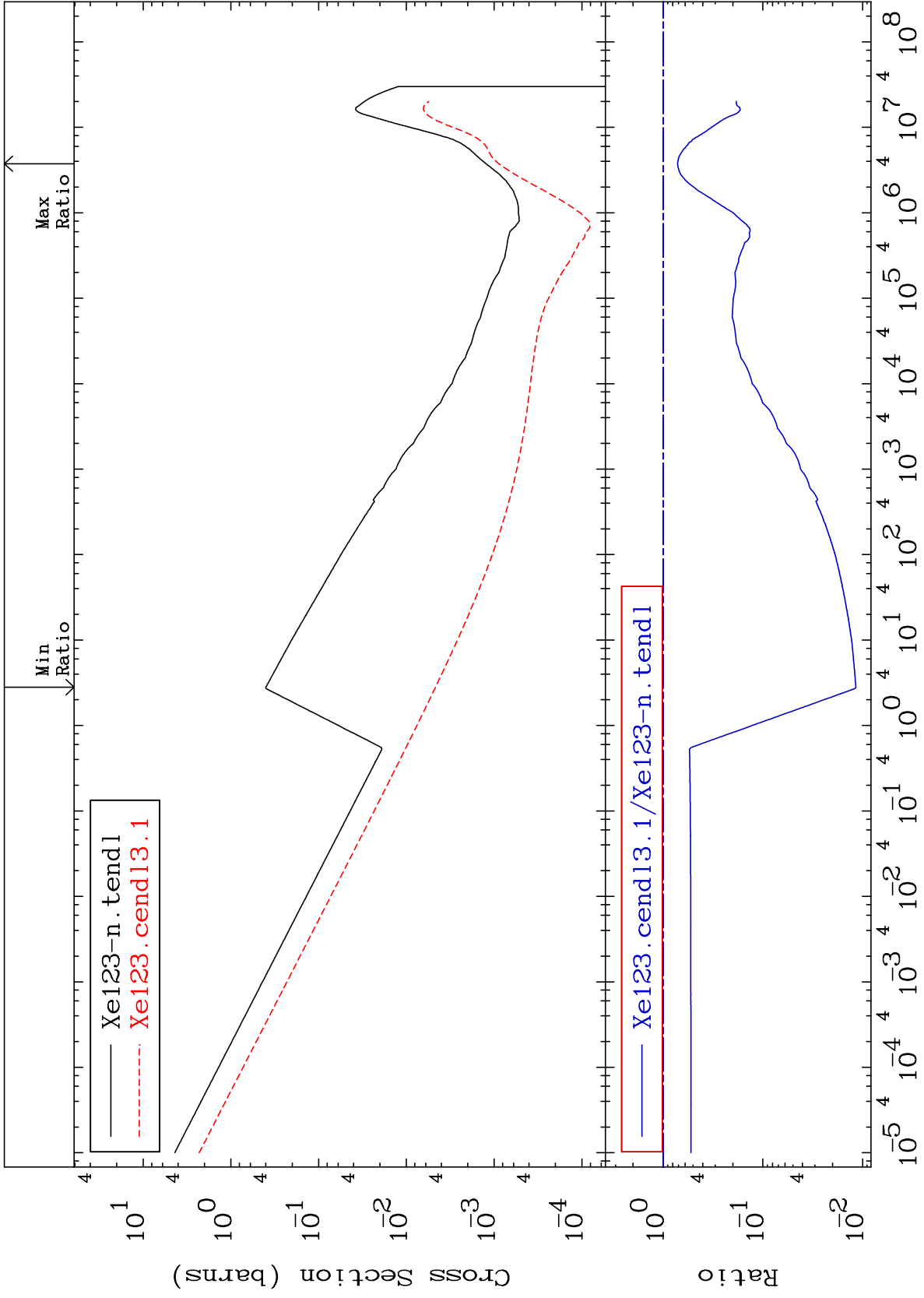
30

Incident Energy (eV)

54-Xe-123

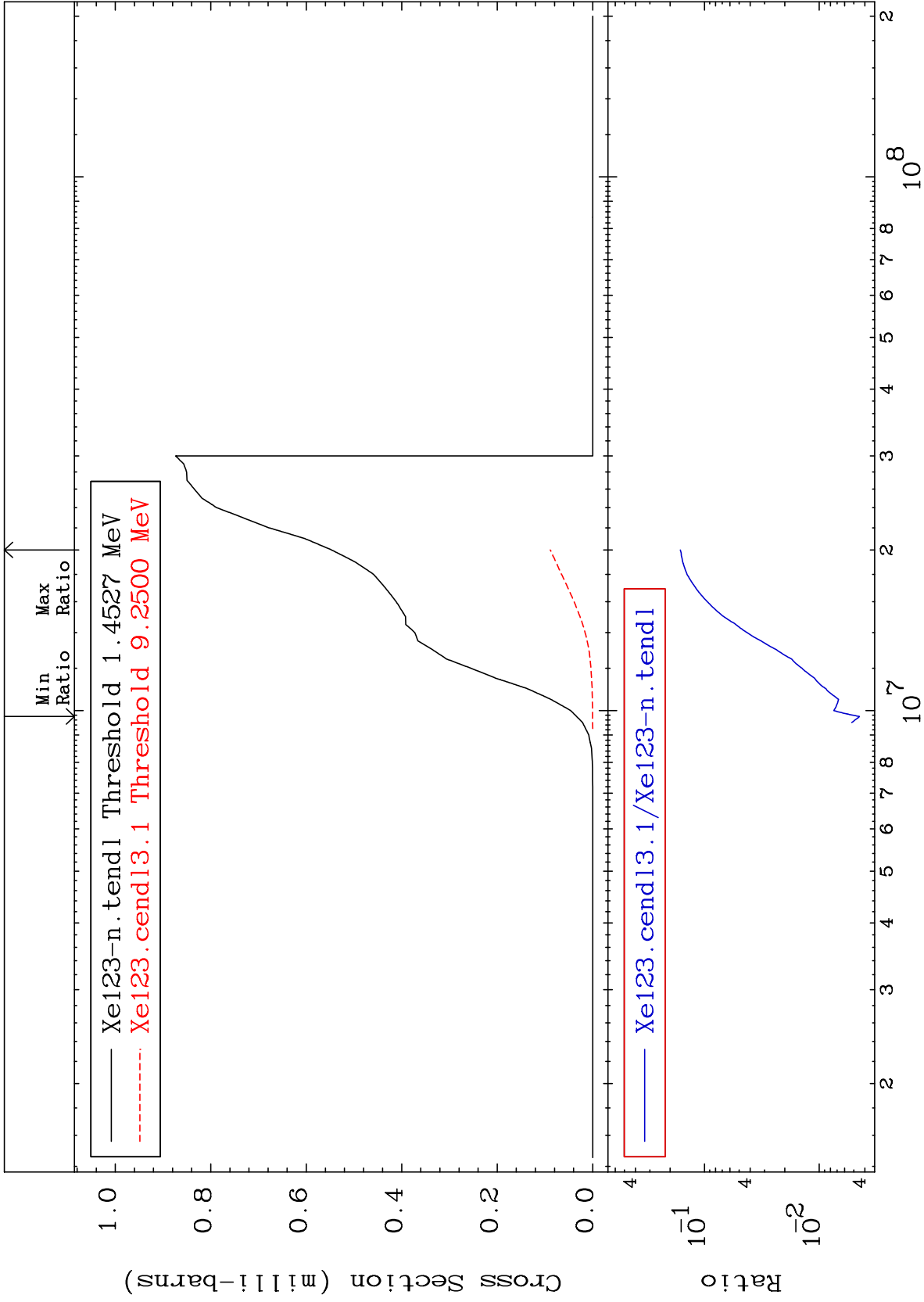
MAT 5422

(n,  $\alpha$ ) Cross Section  
54-Xe-123  
-98.83 To -28.31%



Cross Section

-99.55 To -83.75%

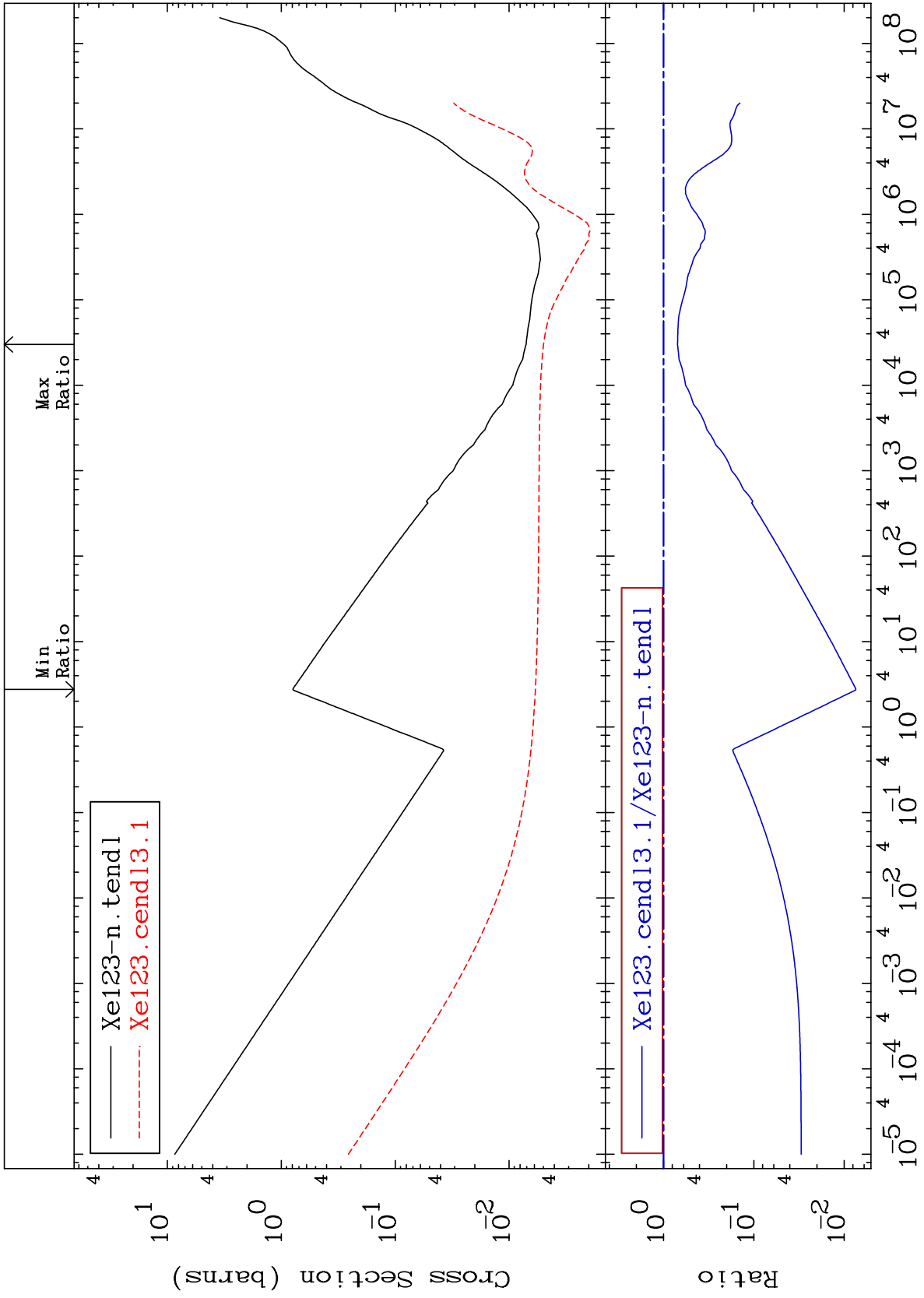




MAT 5422

Hydrogen Production  
Cross Section

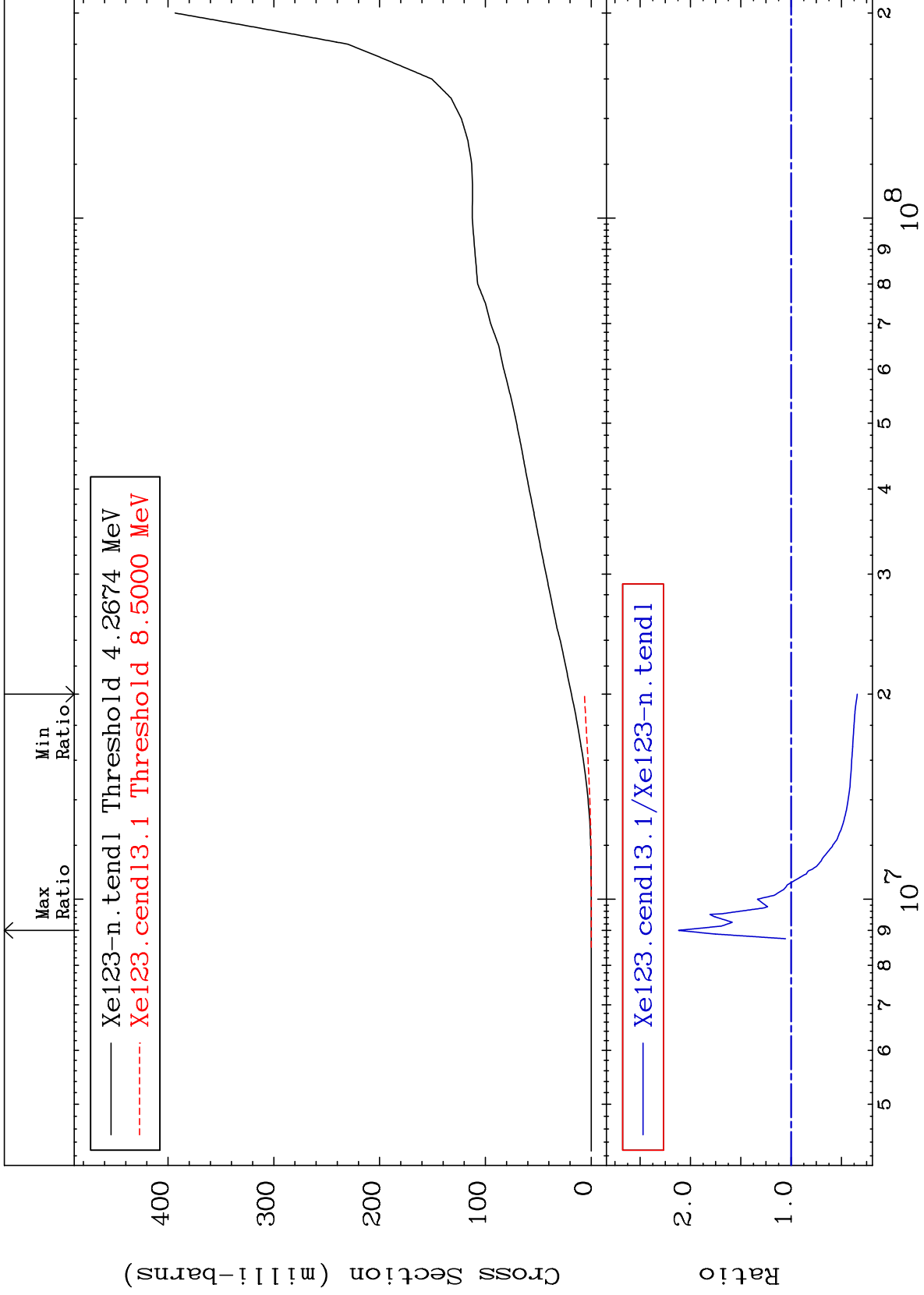
54-Xe-123  
-99.26 To -29.84%



MAT 5422

Deuterium Production  
Cross Section

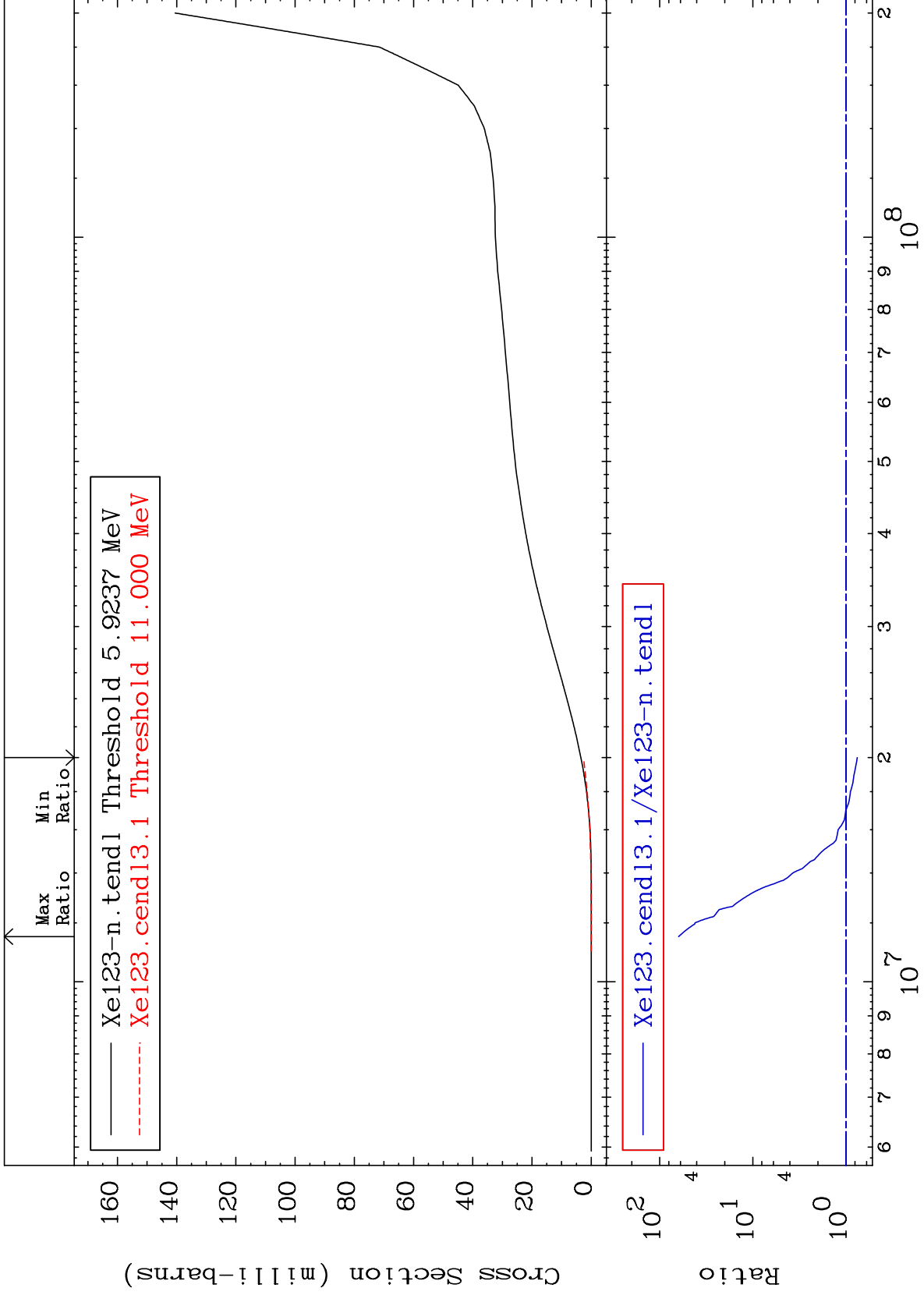
54-Xe-123  
-65.64 To 111.8 %



MAT 5422

Tritium Production  
Cross Section

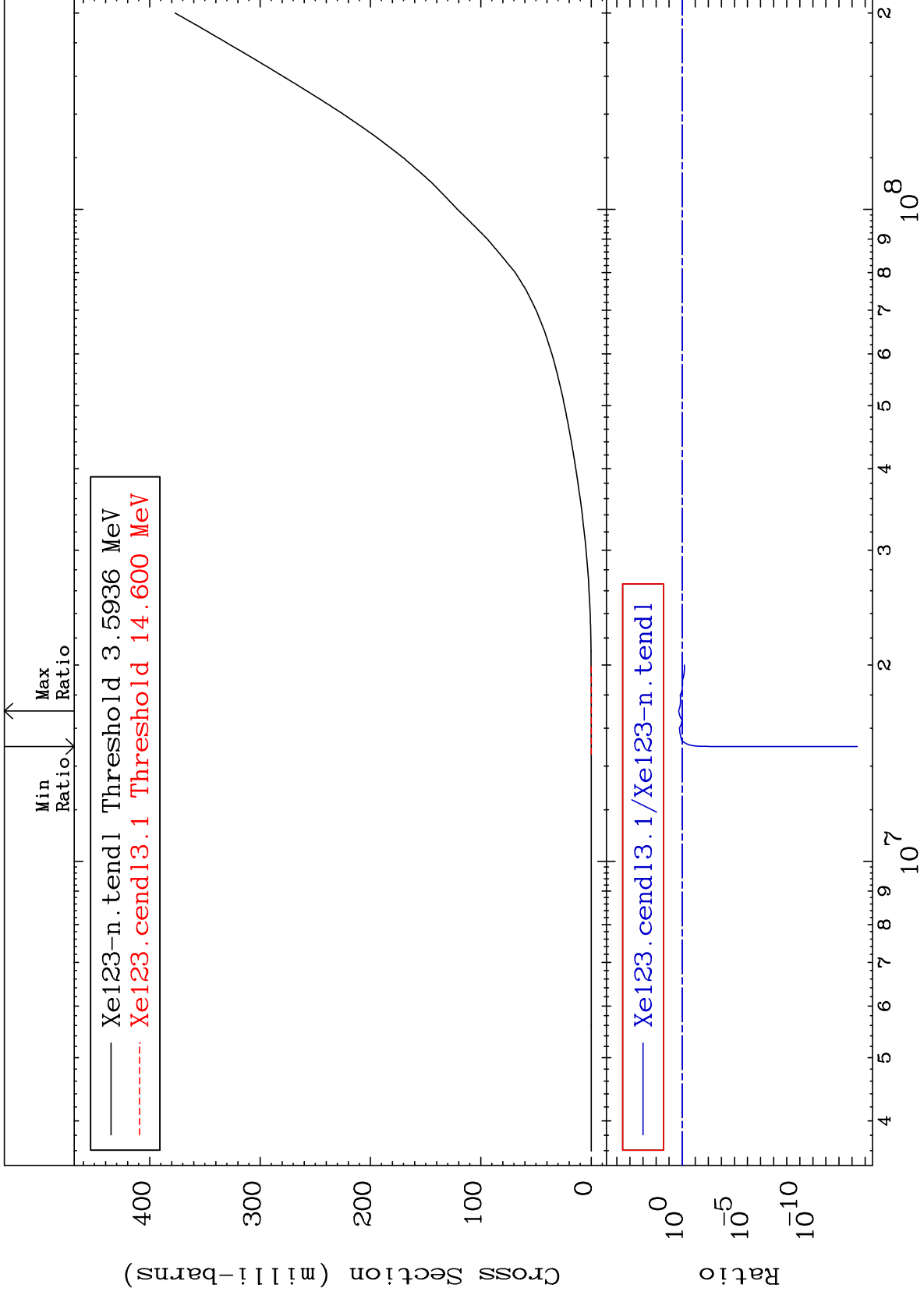
54-Xe-123  
-24.40 To 6164. %



MAT 5422

He-3 Production  
Cross Section

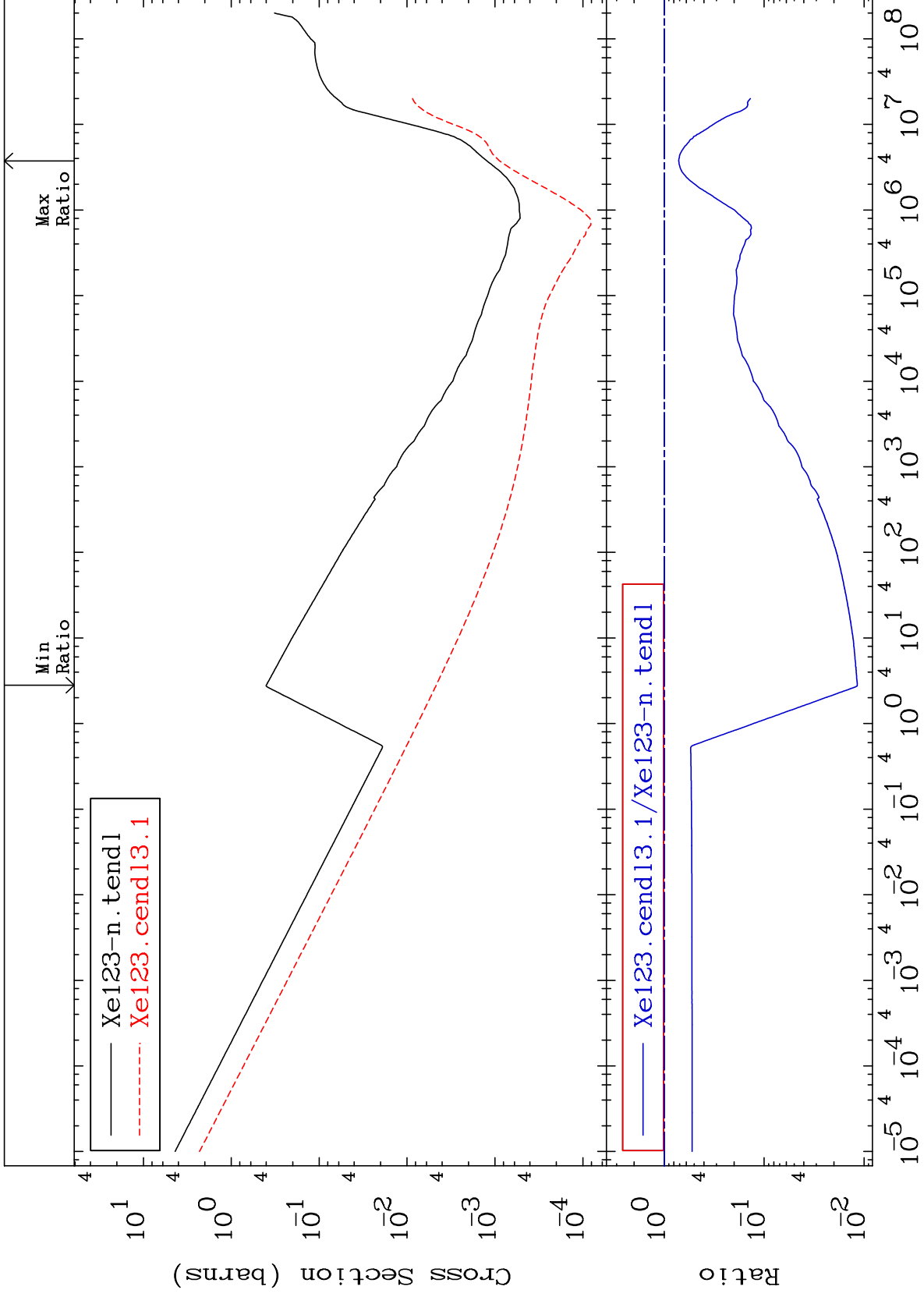
54-Xe-123  
-100.0 To 86.13 %



MAT 5422

He-4 Production  
Cross Section

54-Xe-123  
-98.83 To -28.31%



37

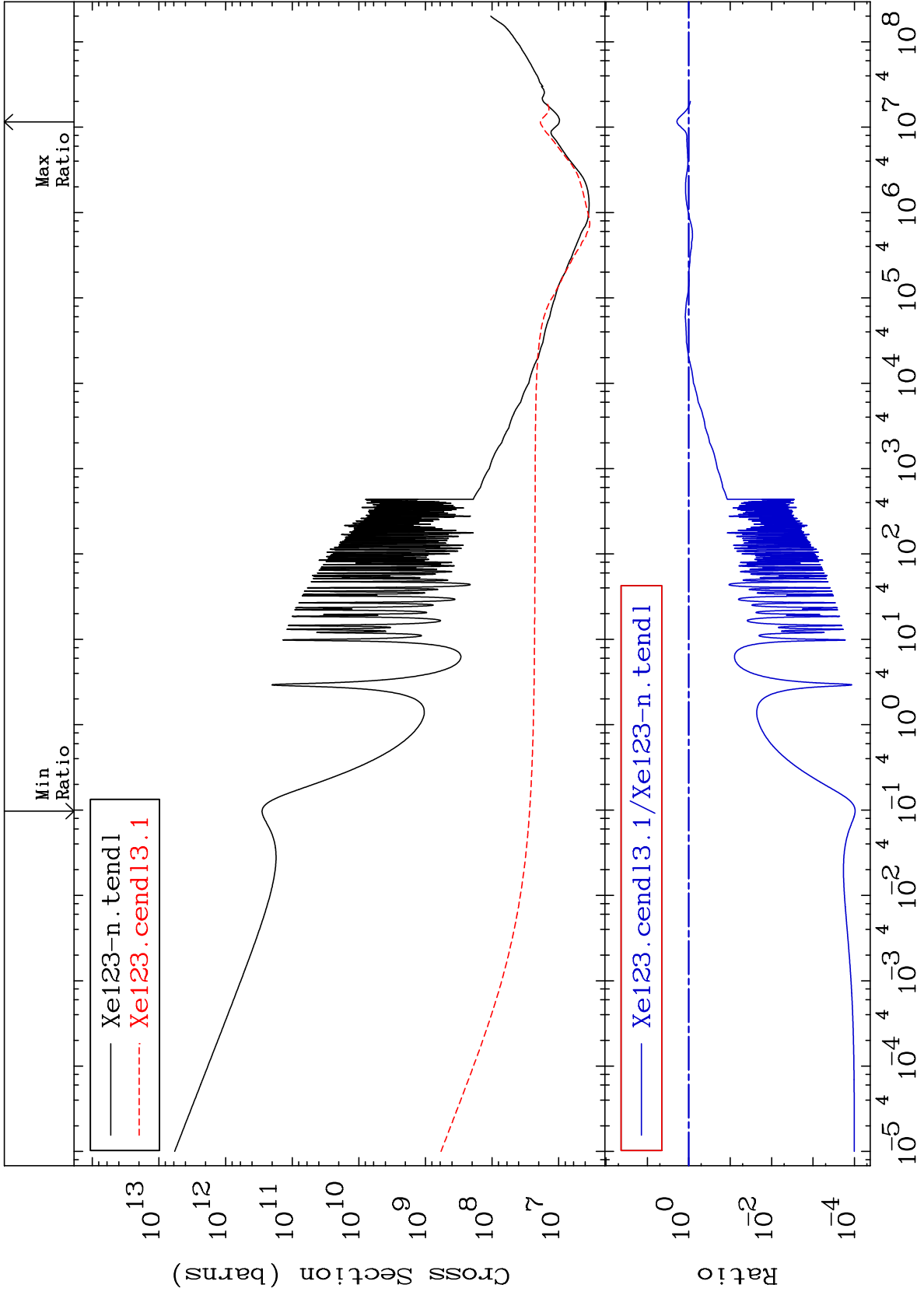
Incident Energy (eV)

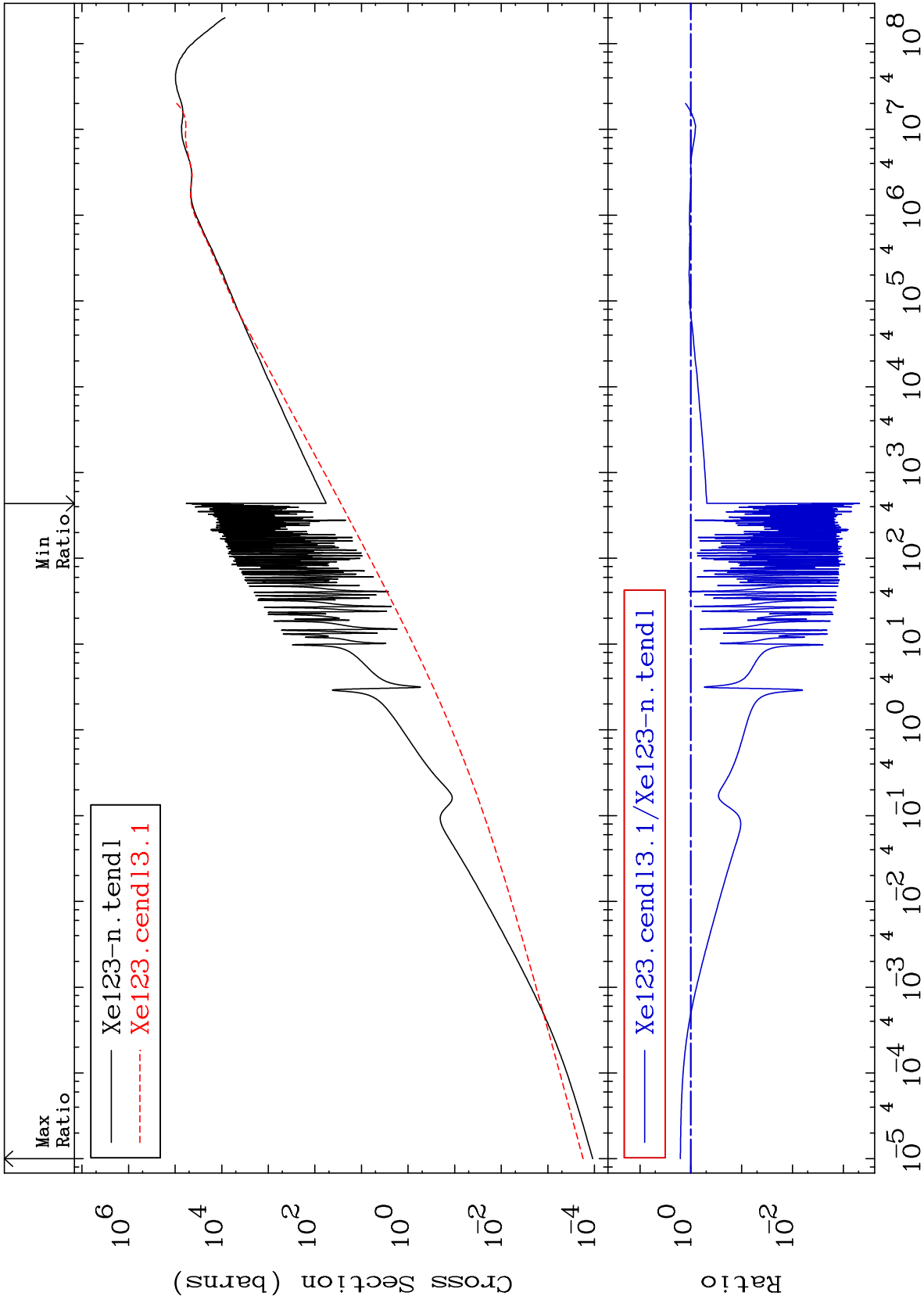
54-Xe-123

MAT 5422

Kerma total (eV-barns)  
Cross Section

54-Xe-123  
-99.99 To 93.11 %

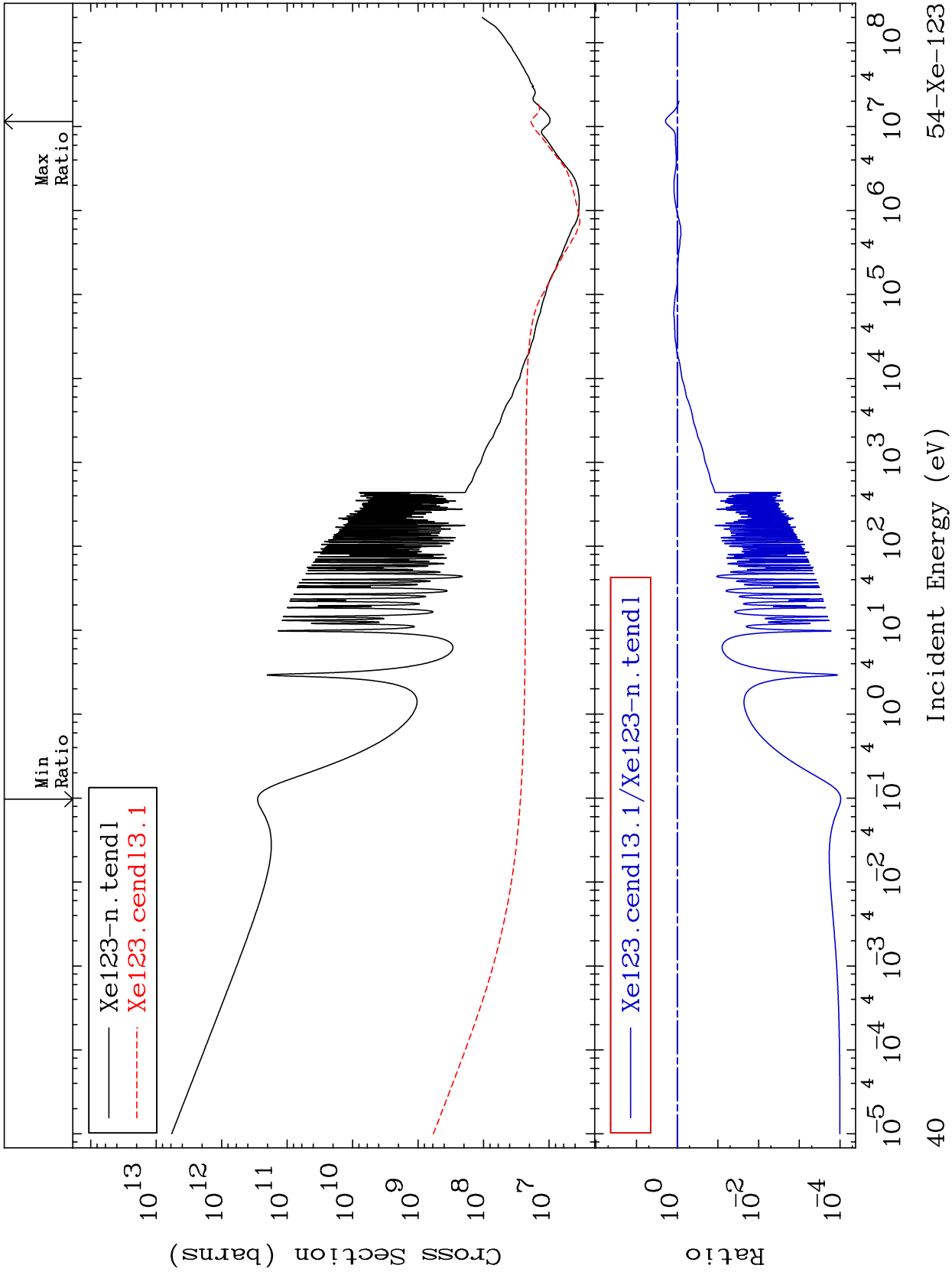




MAT 5422

Kerma non-elastic (all but mt2)  
Cross Section

54-Xe-123  
-99.99 To 93.93 %

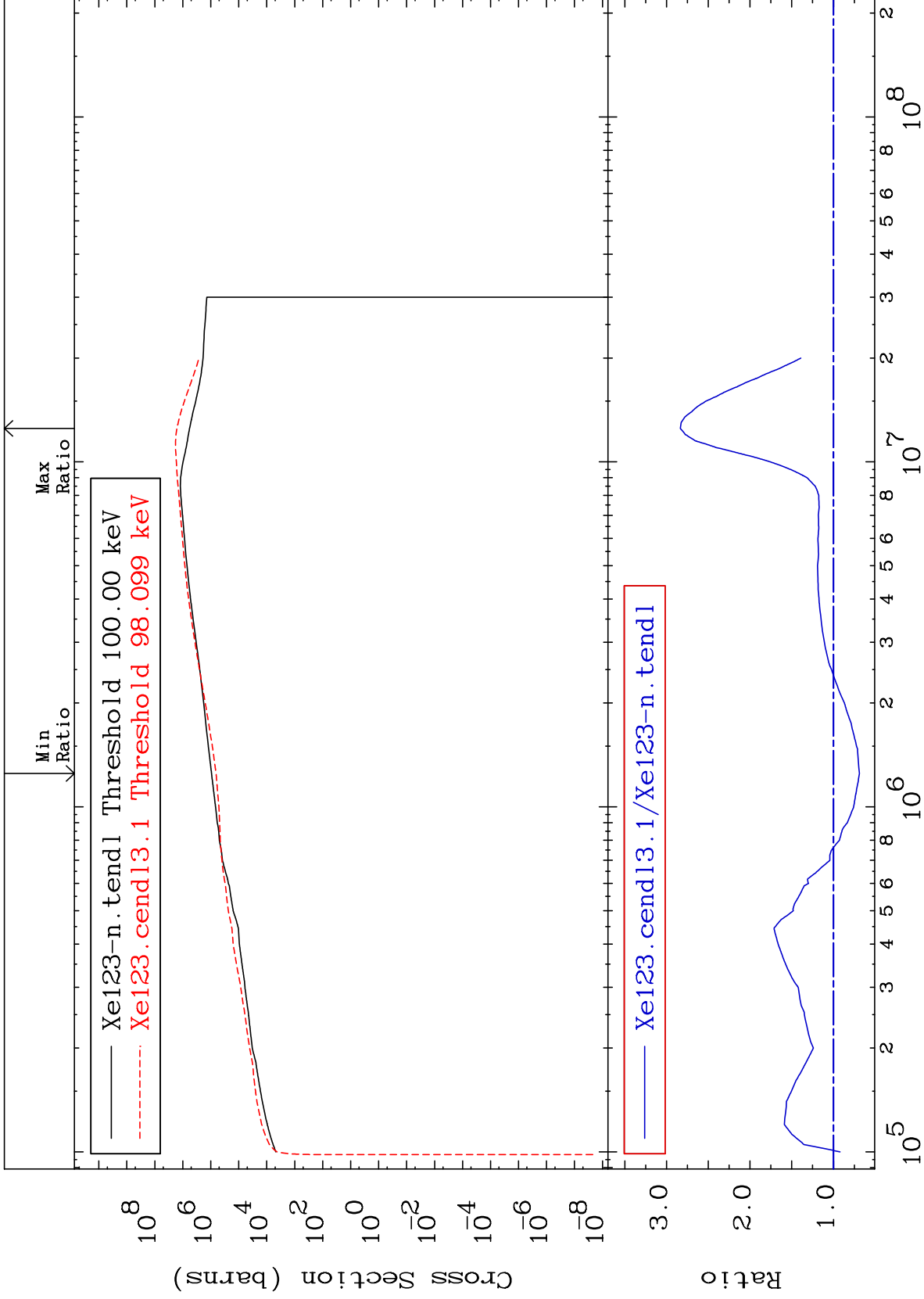




MAT 5422

Kerma inelastic (mt51-91)  
Cross Section

54-Xe-123  
-31.11 To 183.5 %



41

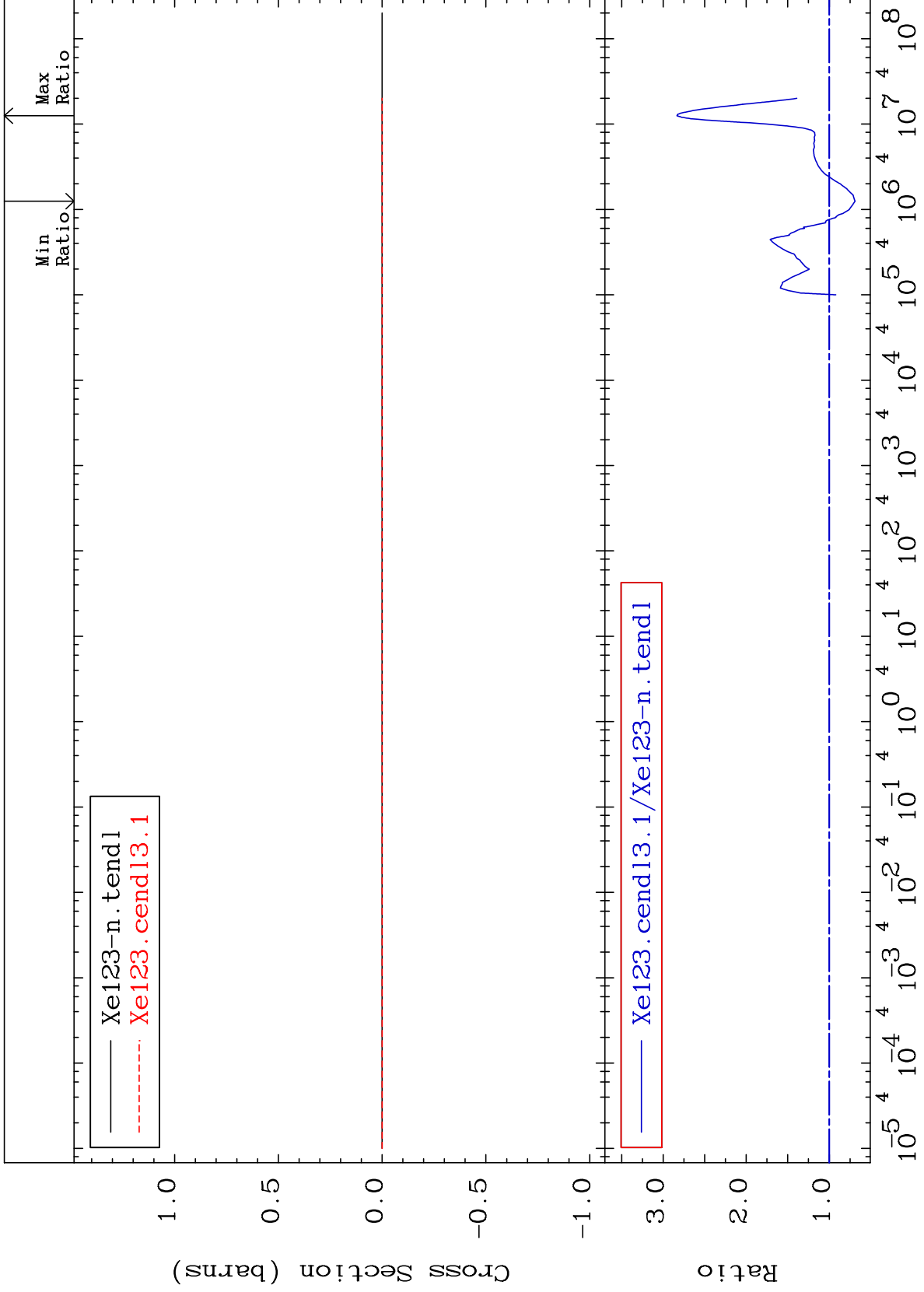
Incident Energy (eV)

54-Xe-123

MAT 5422

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

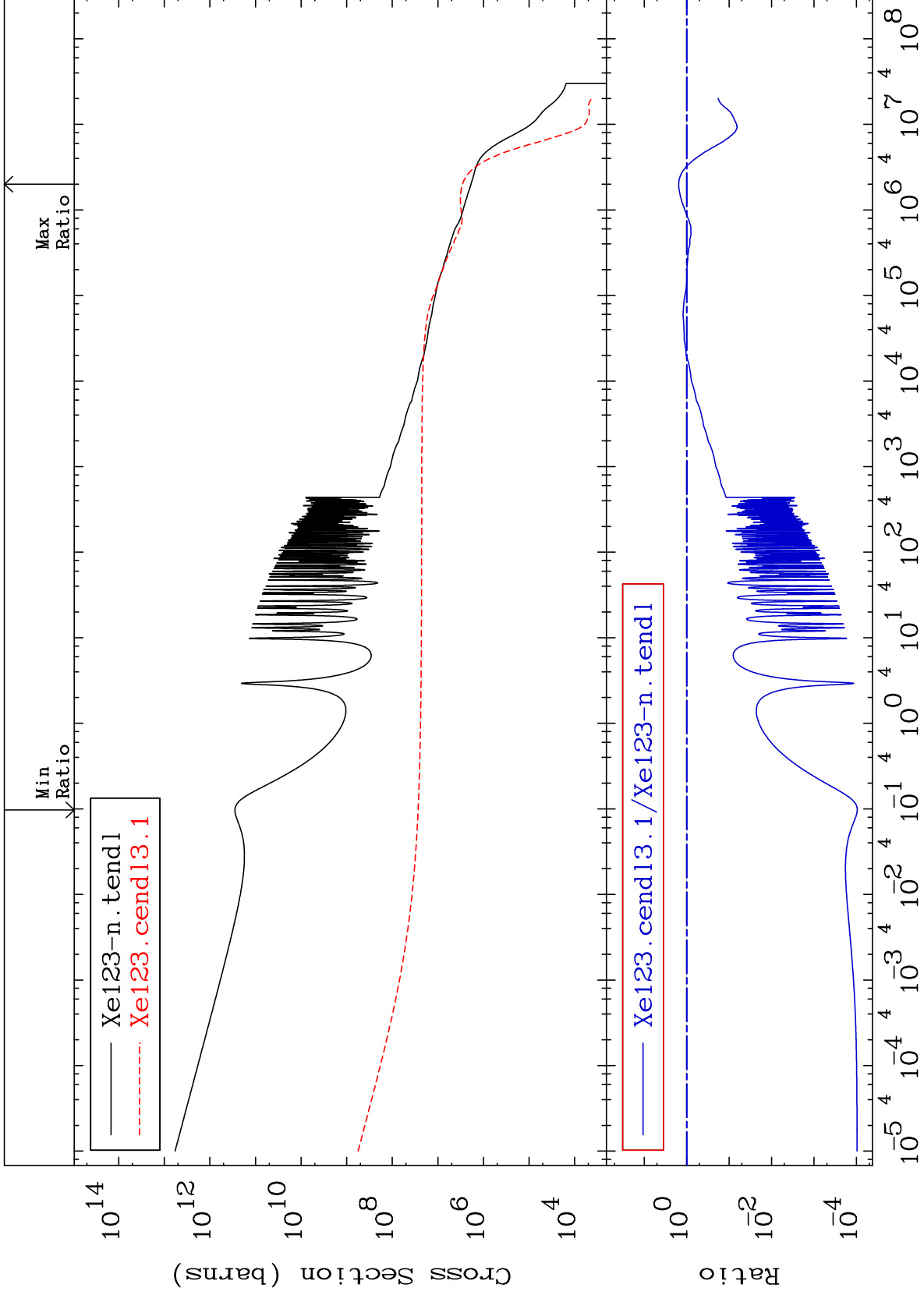
54-Xe-123  
-31.11 To 183.5 %



MAT 5422

Kerma capture (mt102)  
Cross Section

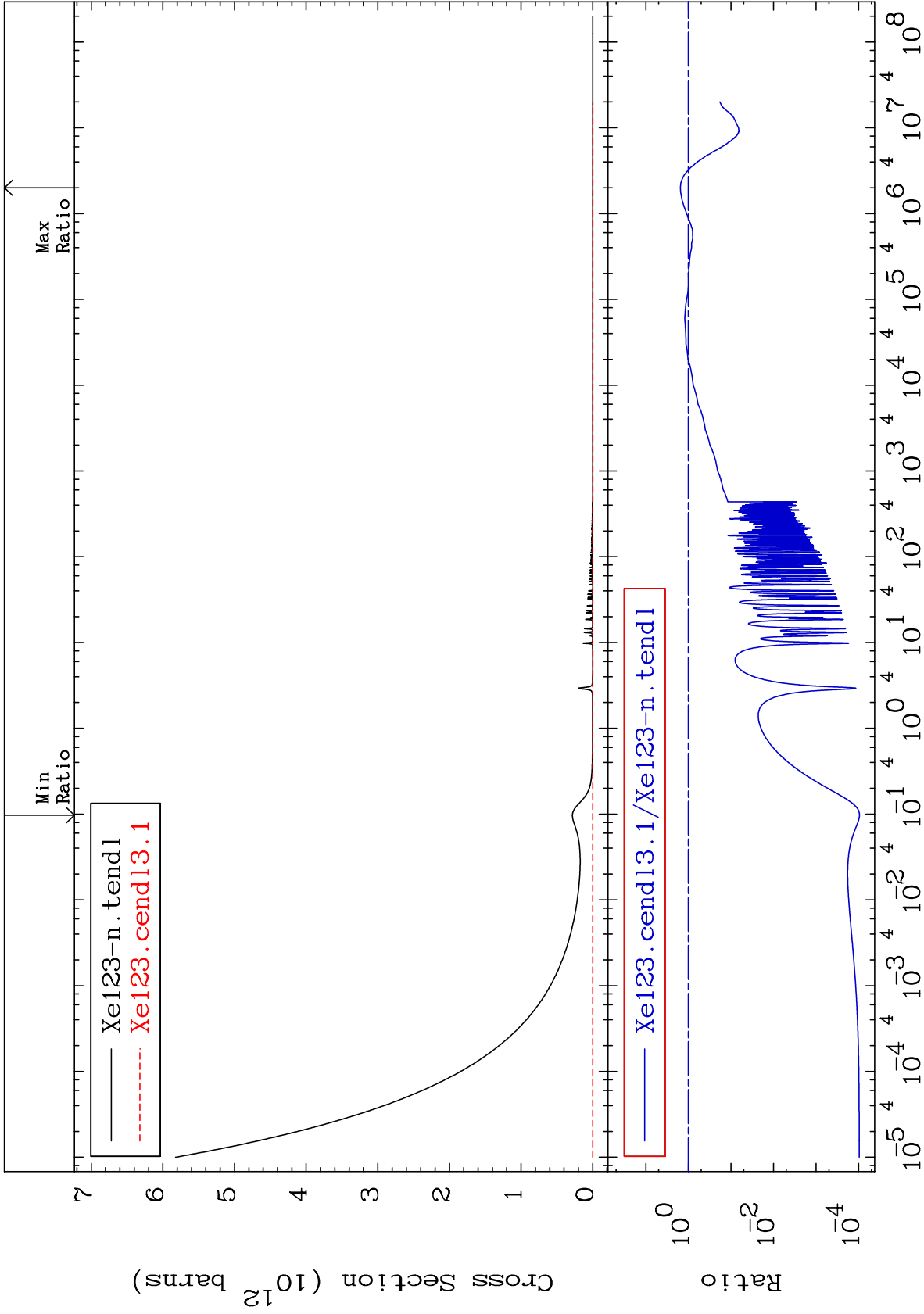
54-Xe-123  
-99.99 To 54.26 %



MAT 5422

Total photon (eV-barns)  
Cross Section

54-Xe-123  
-99.99 To 54.26 %

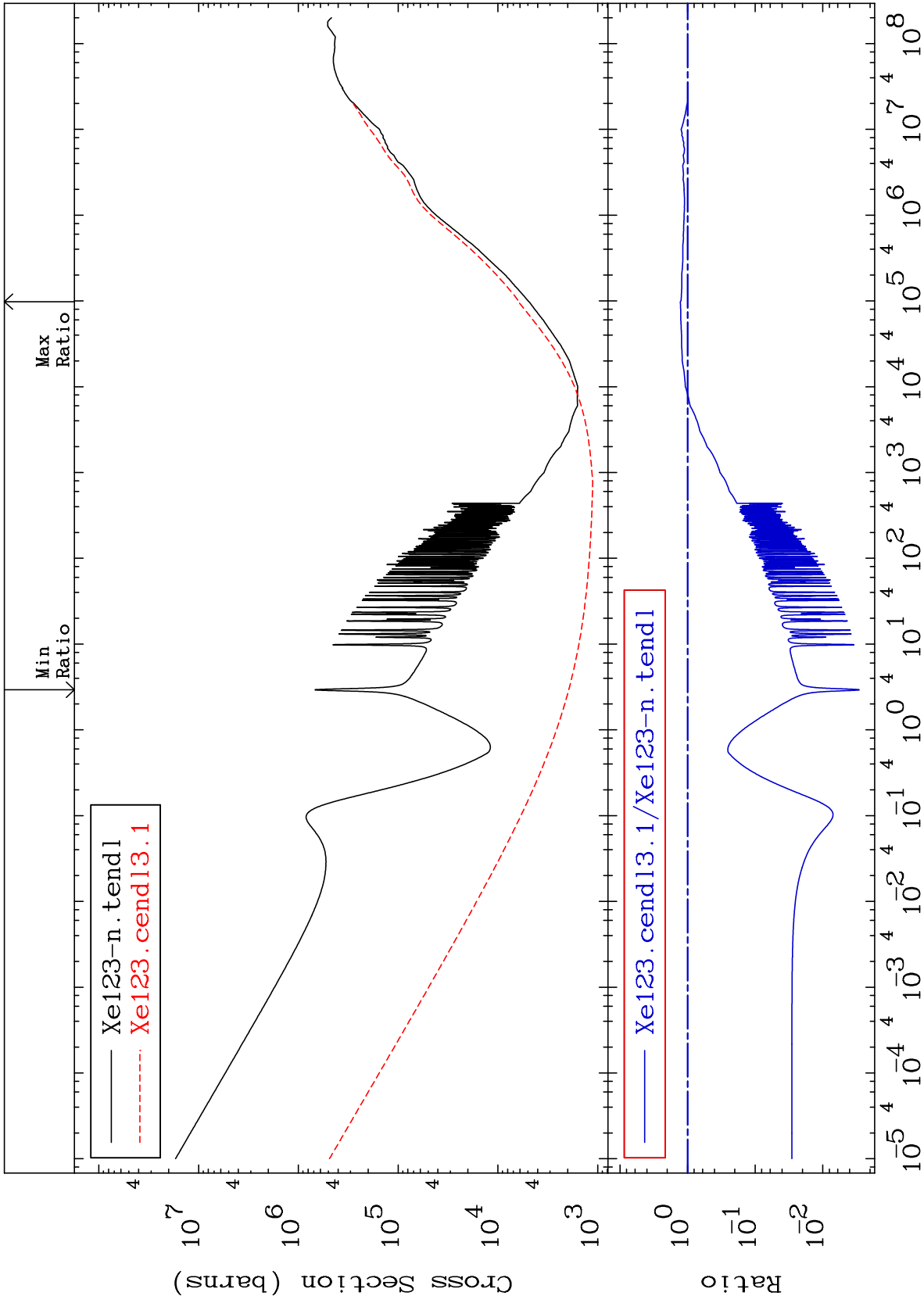




MAT 5422

Dpa total (eV-barns)  
Cross Section

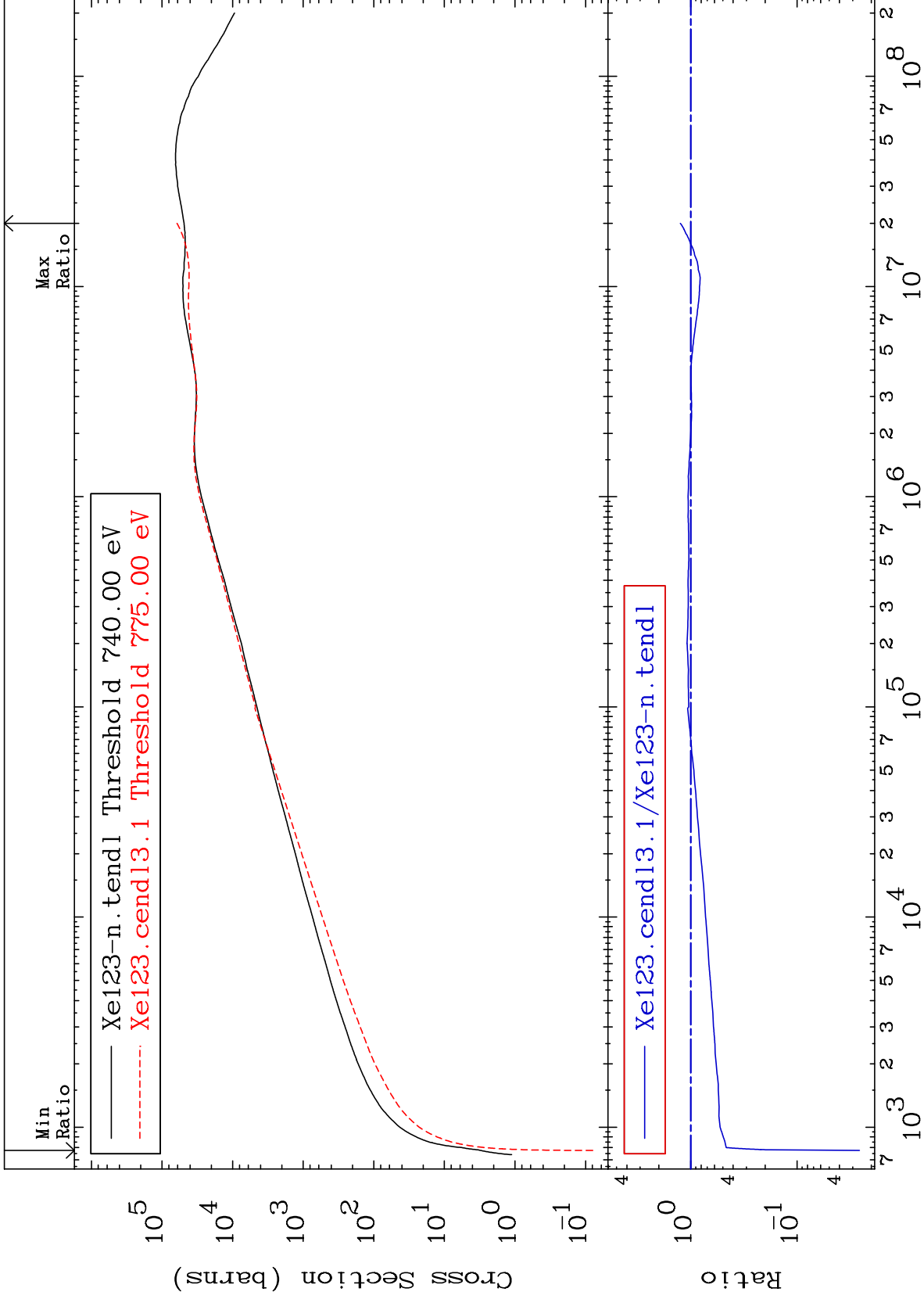
54-Xe-123  
-99.71 To 27.97 %



MAT 5422

Dpa elastic (mt2)  
Cross Section

54-Xe-123  
-97.41 To 25.47 %



47

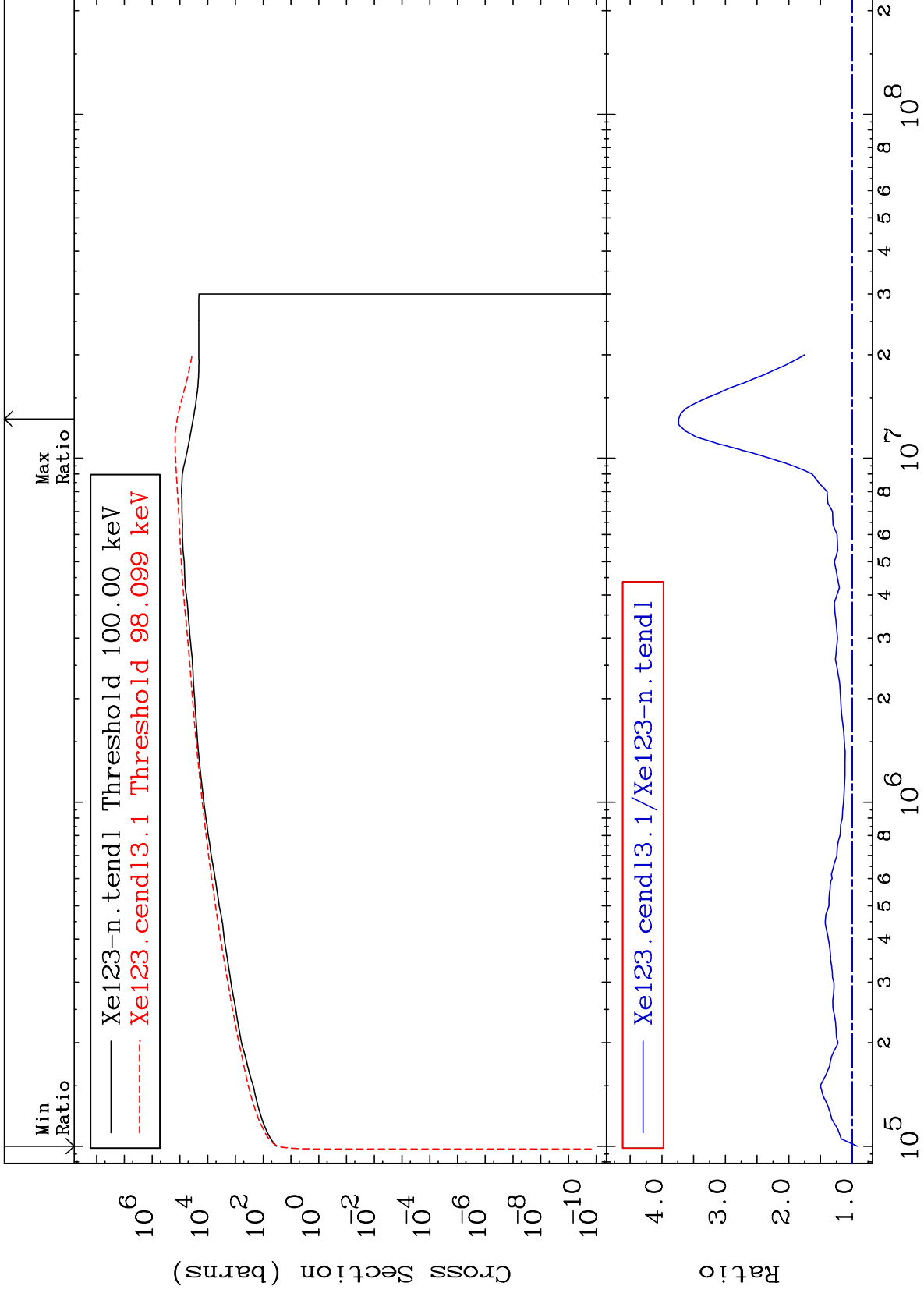
Incident Energy (eV)

54-Xe-123

MAT 5422

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-123  
-7.940 To 273.7 %



48

Incident Energy (eV)

54-Xe-123



MAT 5422

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-123  
-99.71 To 590.8 %

