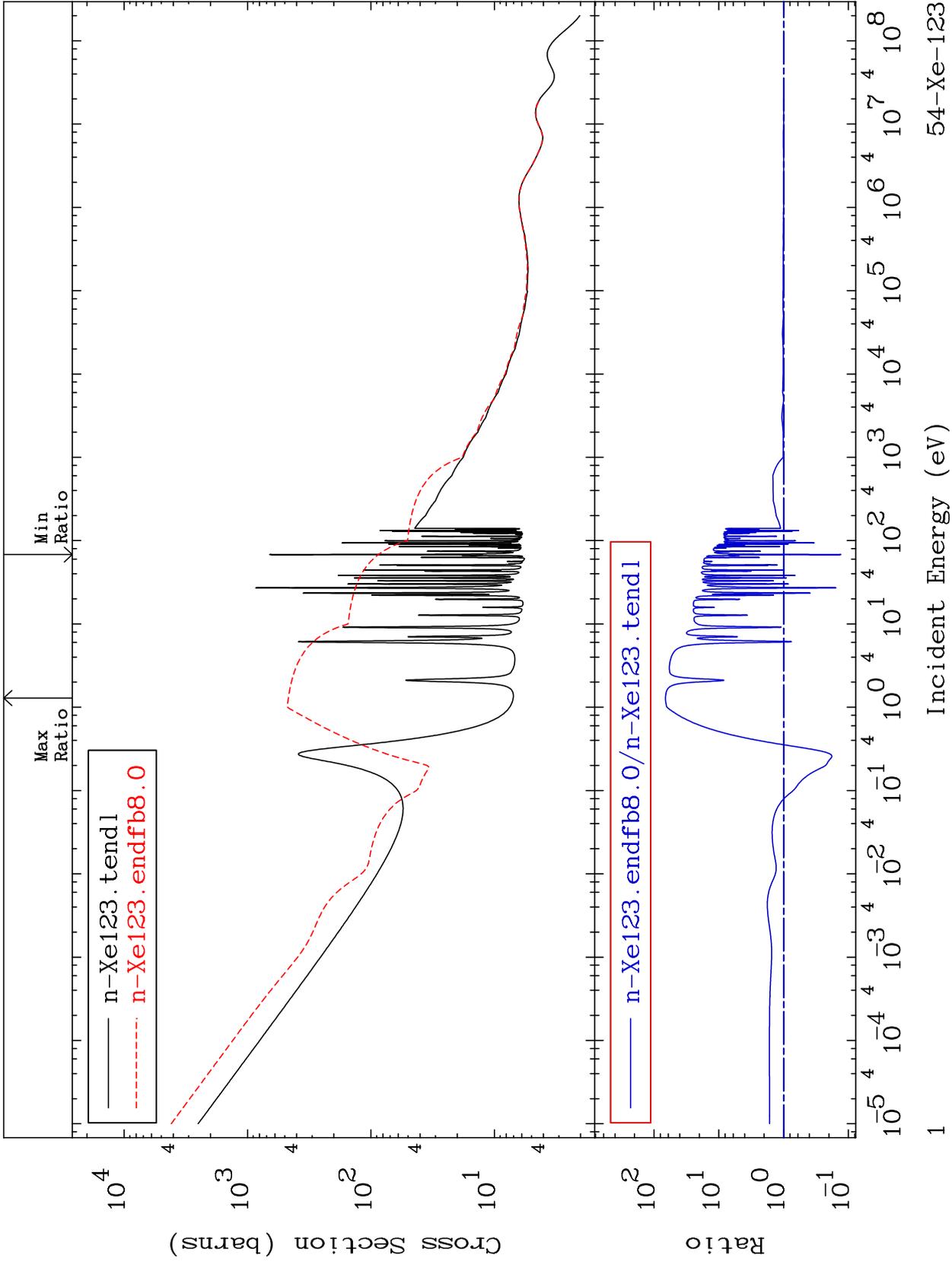


MAT 5422

Total Cross Section  
54-Xe-123  
-86.90 To 6541. %



54-Xe-123

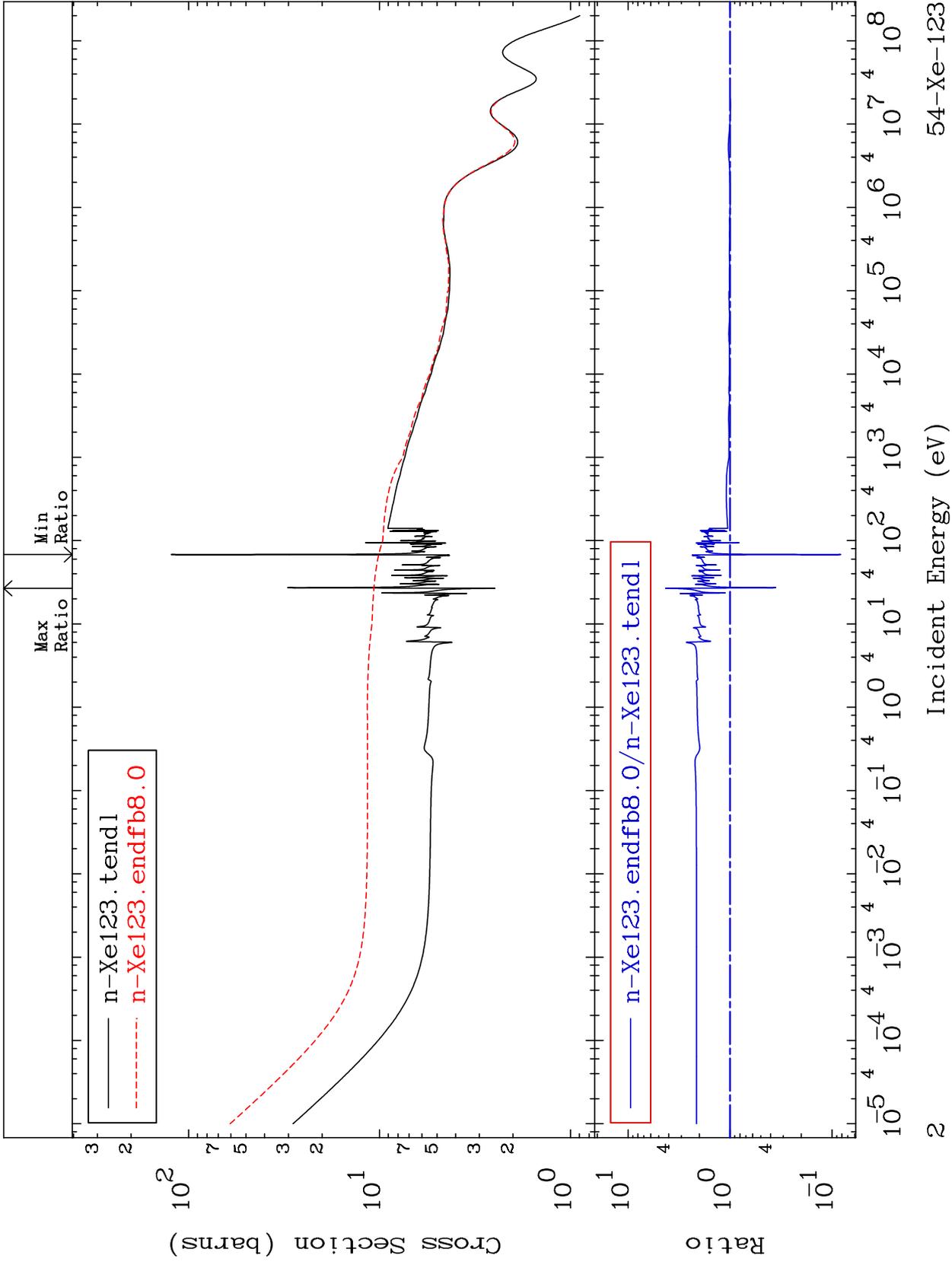
Incident Energy (eV)

MAT 5422

54-Xe-123

-91.81 To 329.2 %

Elastic  
Cross Section

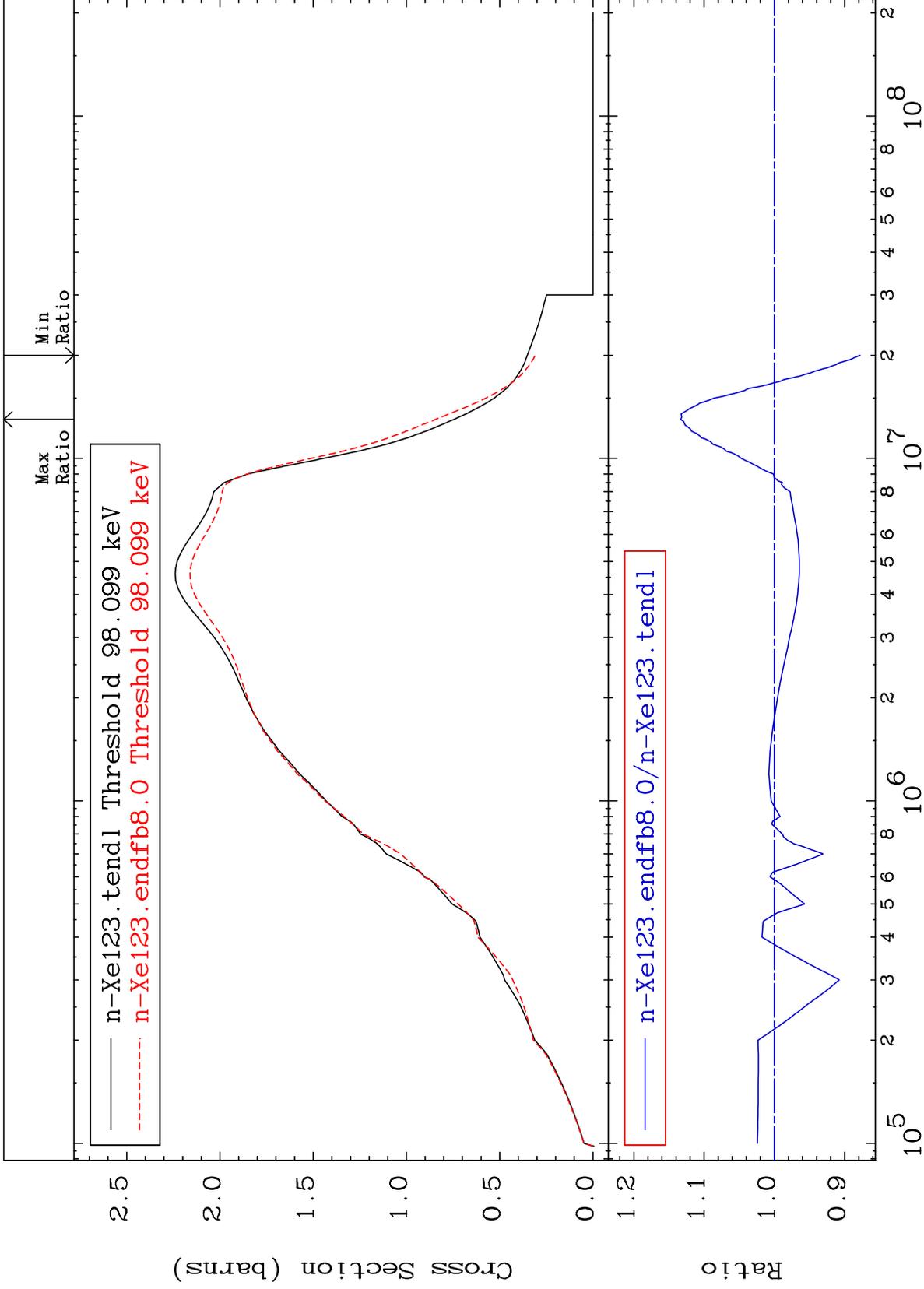


54-Xe-123

MAT 5422

Inelastic  
Cross Section

54-Xe-123  
-12.19 To 13.33 %



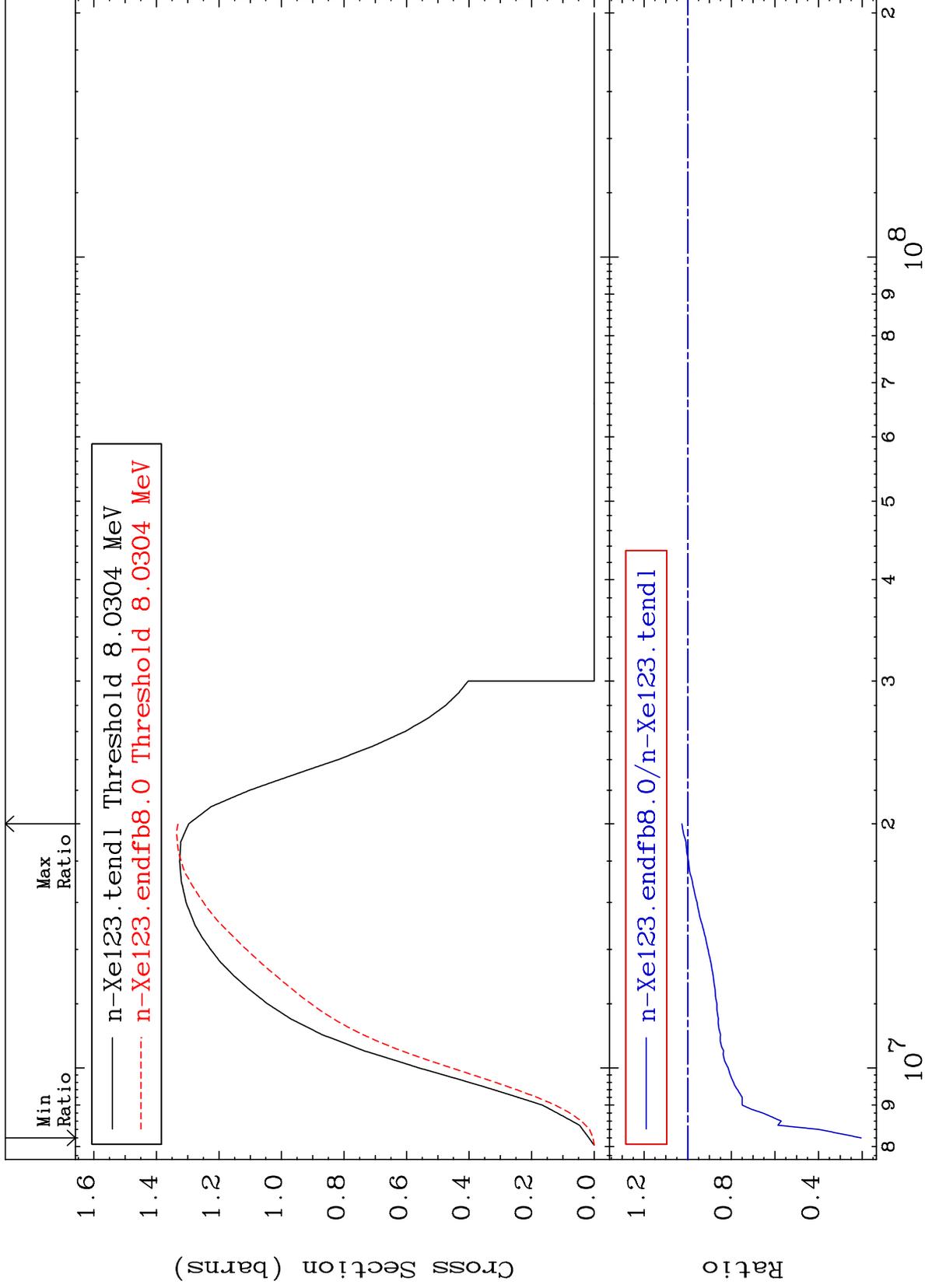
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,2n)  
Cross Section

54-Xe-123  
-79.56 To 2.643 %



4

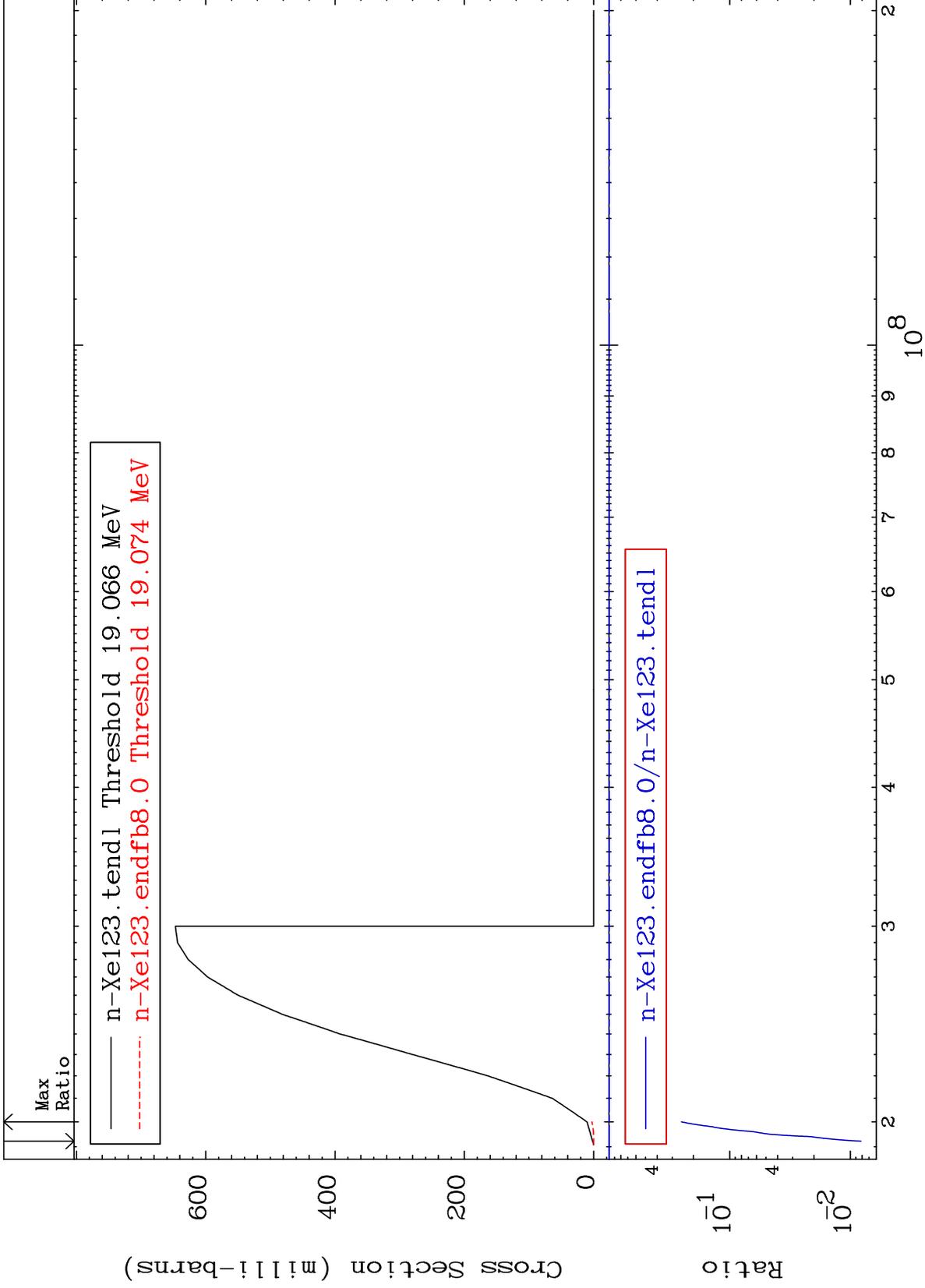
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,3n)  
Cross Section

54-Xe-123  
-99.19 To -74.89%



5

Incident Energy (eV)

54-Xe-123

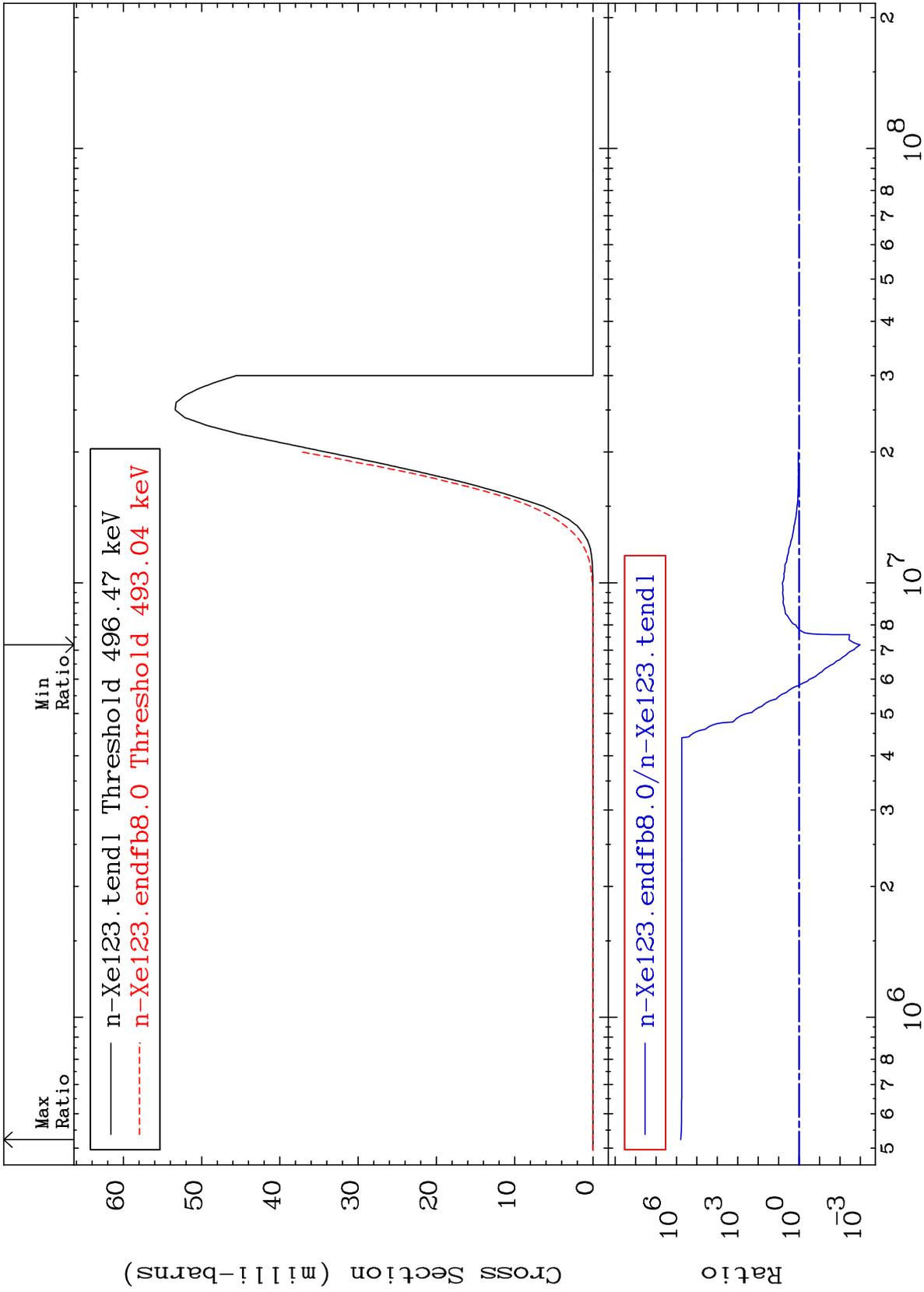
MAT 5422

(n,n')  $\alpha$

54-Xe-123

Cross Section

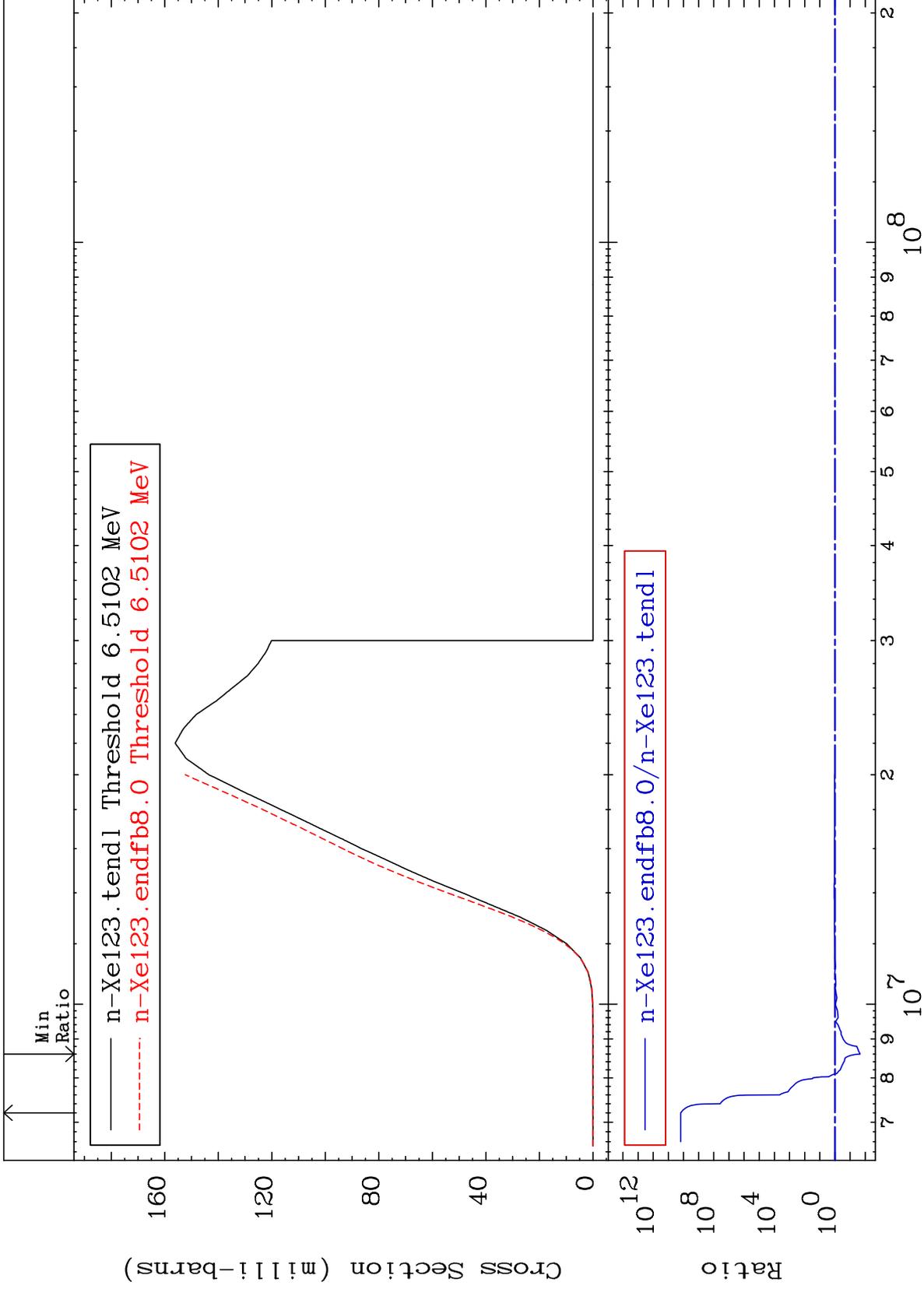
-99.90 To 9999. %



MAT 5422

(n,n') p  
Cross Section

54-Xe-123  
-97.80 To 9999. %



7

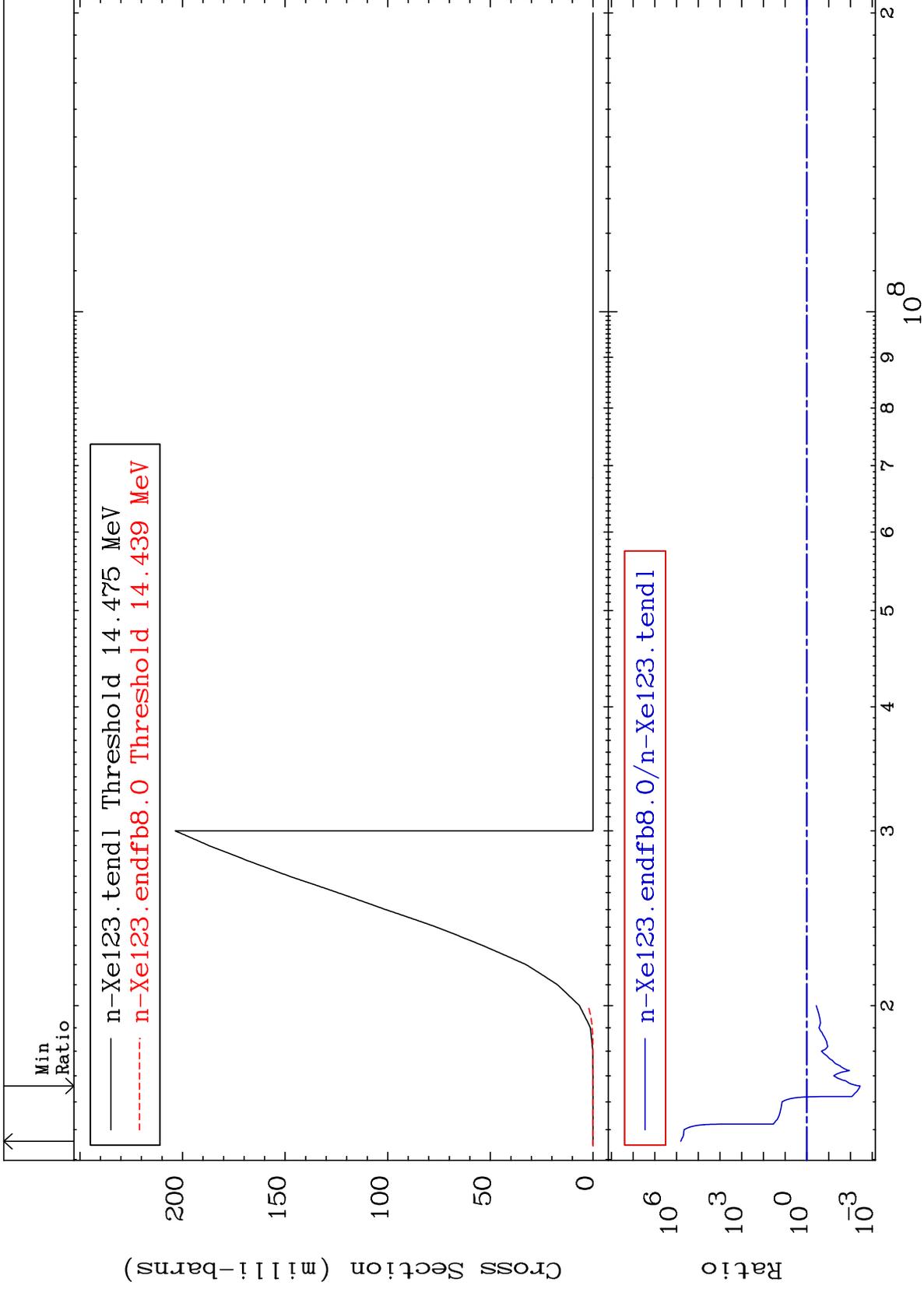
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,2n) p  
Cross Section

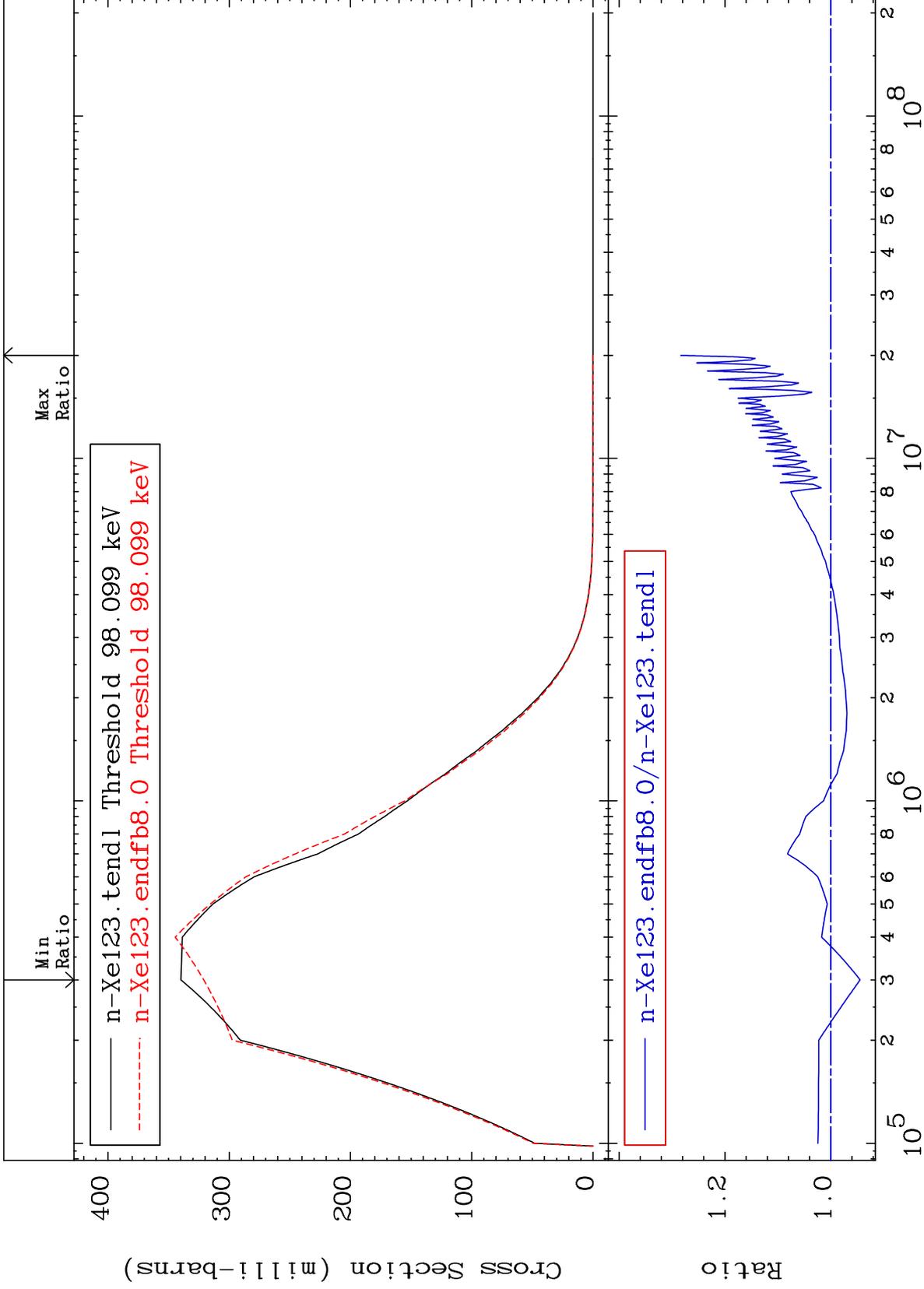
54-Xe-123  
-99.64 To 9999. %



MAT 5422

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

54-Xe-123  
-5.530 To 28.34 %



54-Xe-123

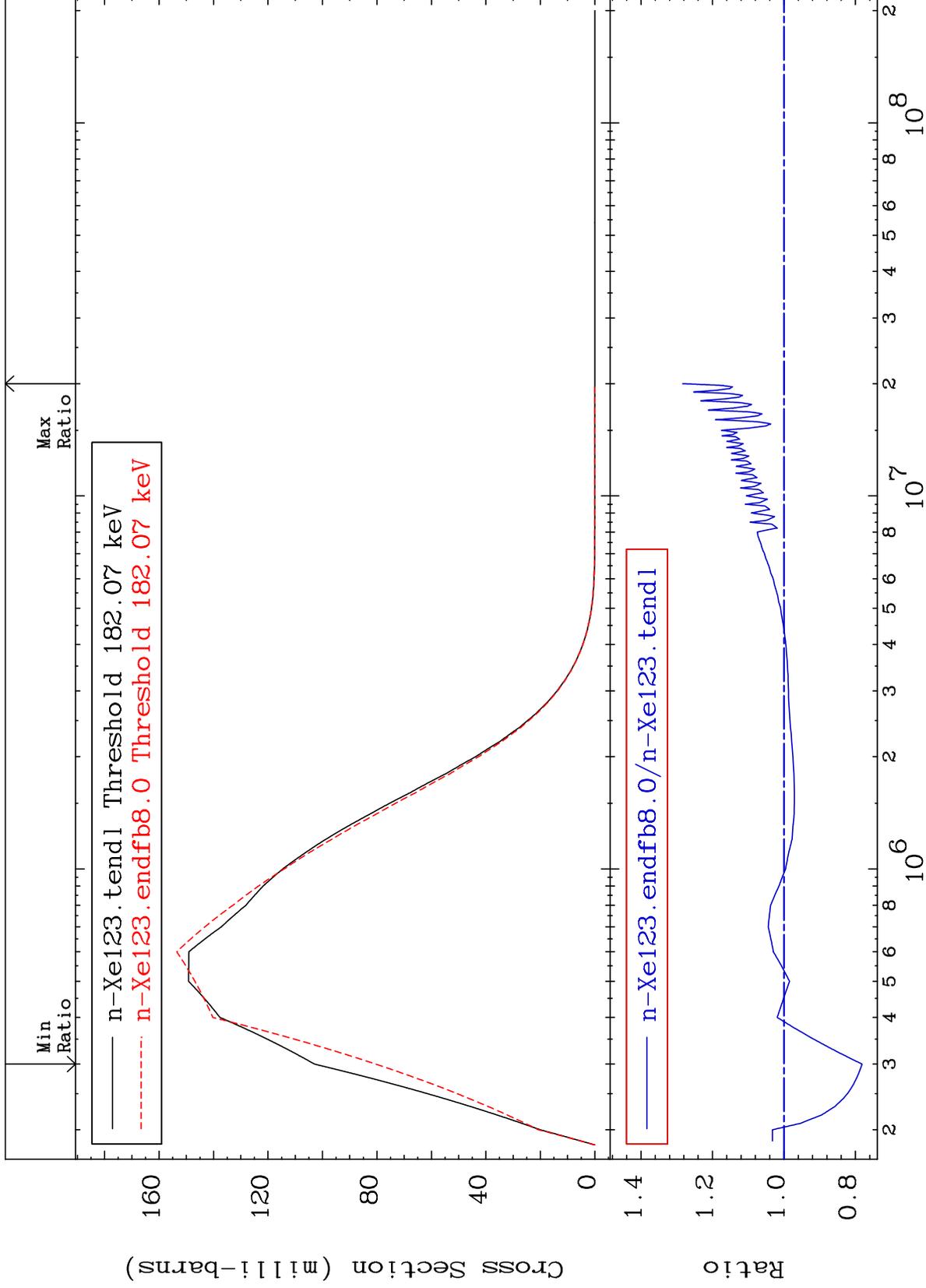
Incident Energy (eV)

9

MAT 5422

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

54-Xe-123  
-21.84 To 28.34 %



10

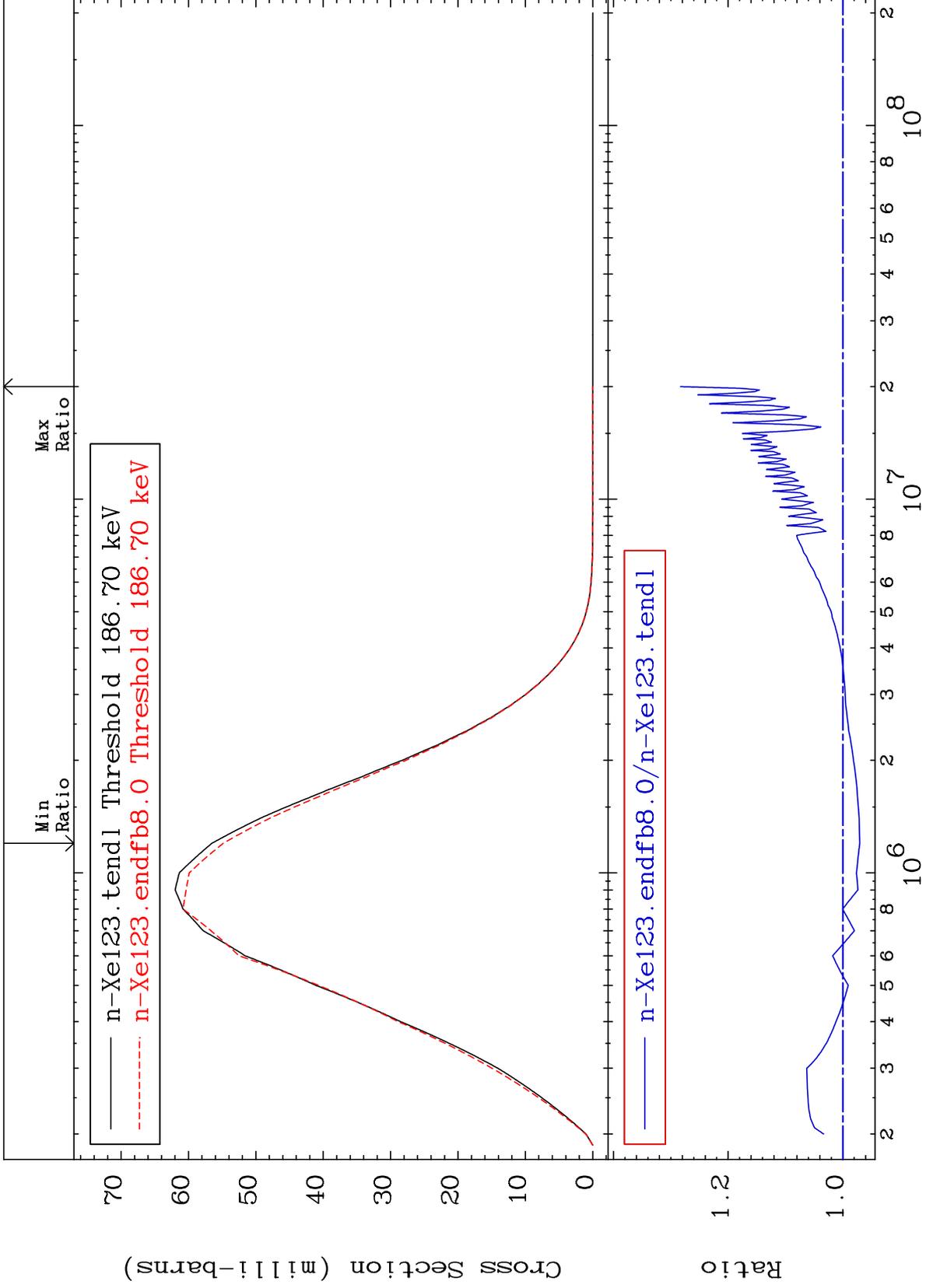
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-2.968 To 28.31 %



11

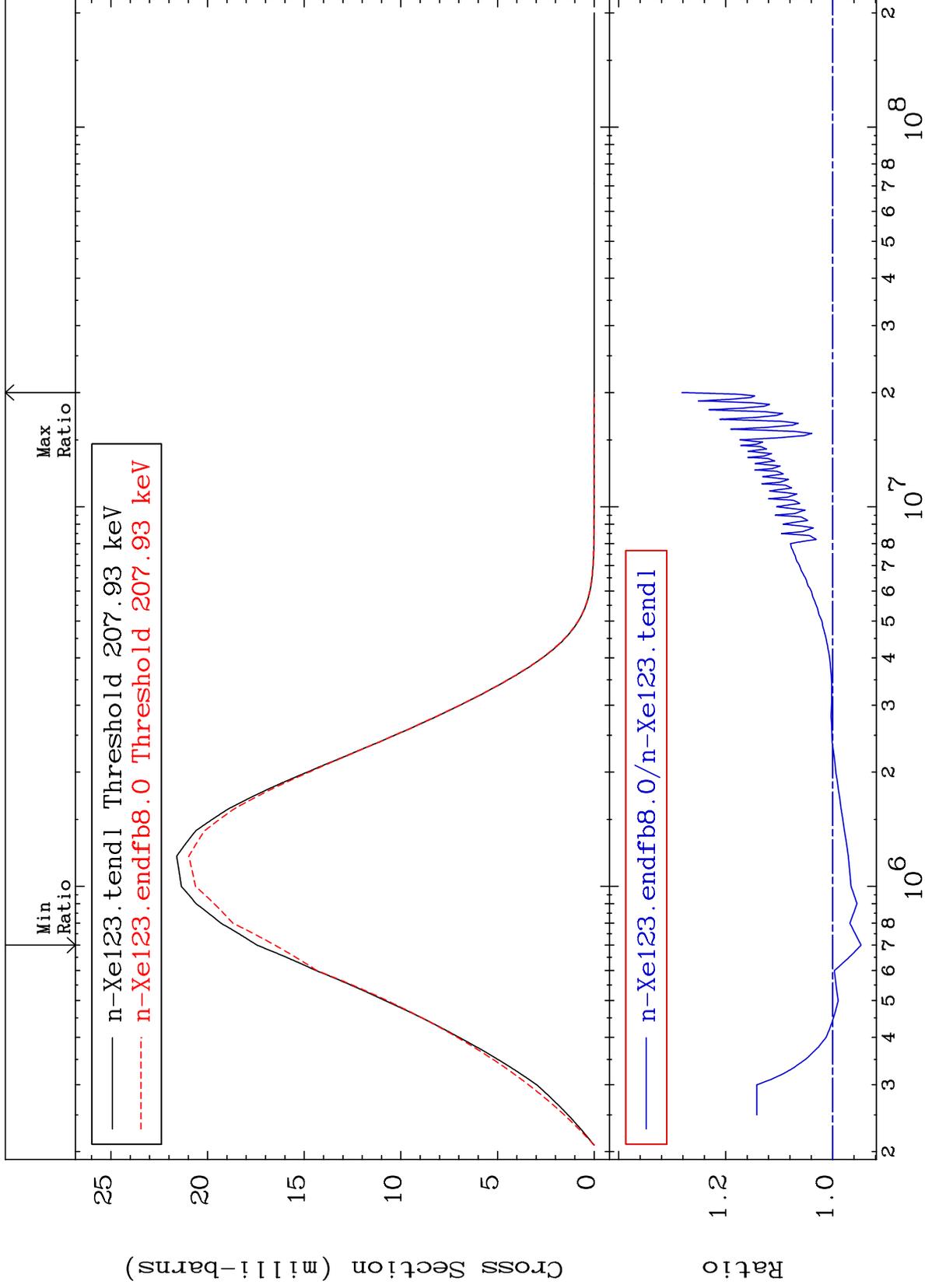
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-5.308 To 28.19 %



12

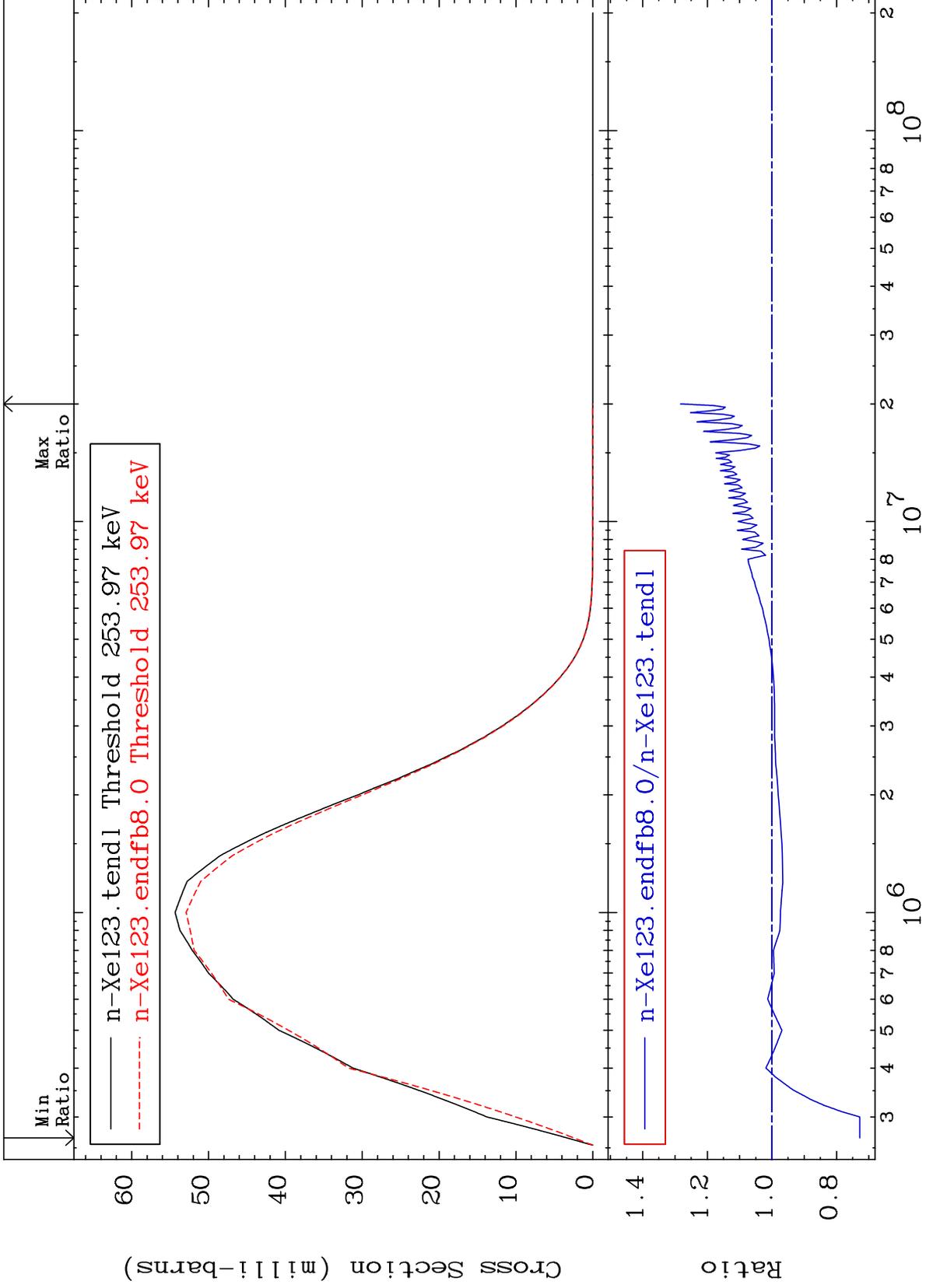
Incident Energy (eV)

54-Xe-123

MAT 5422

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

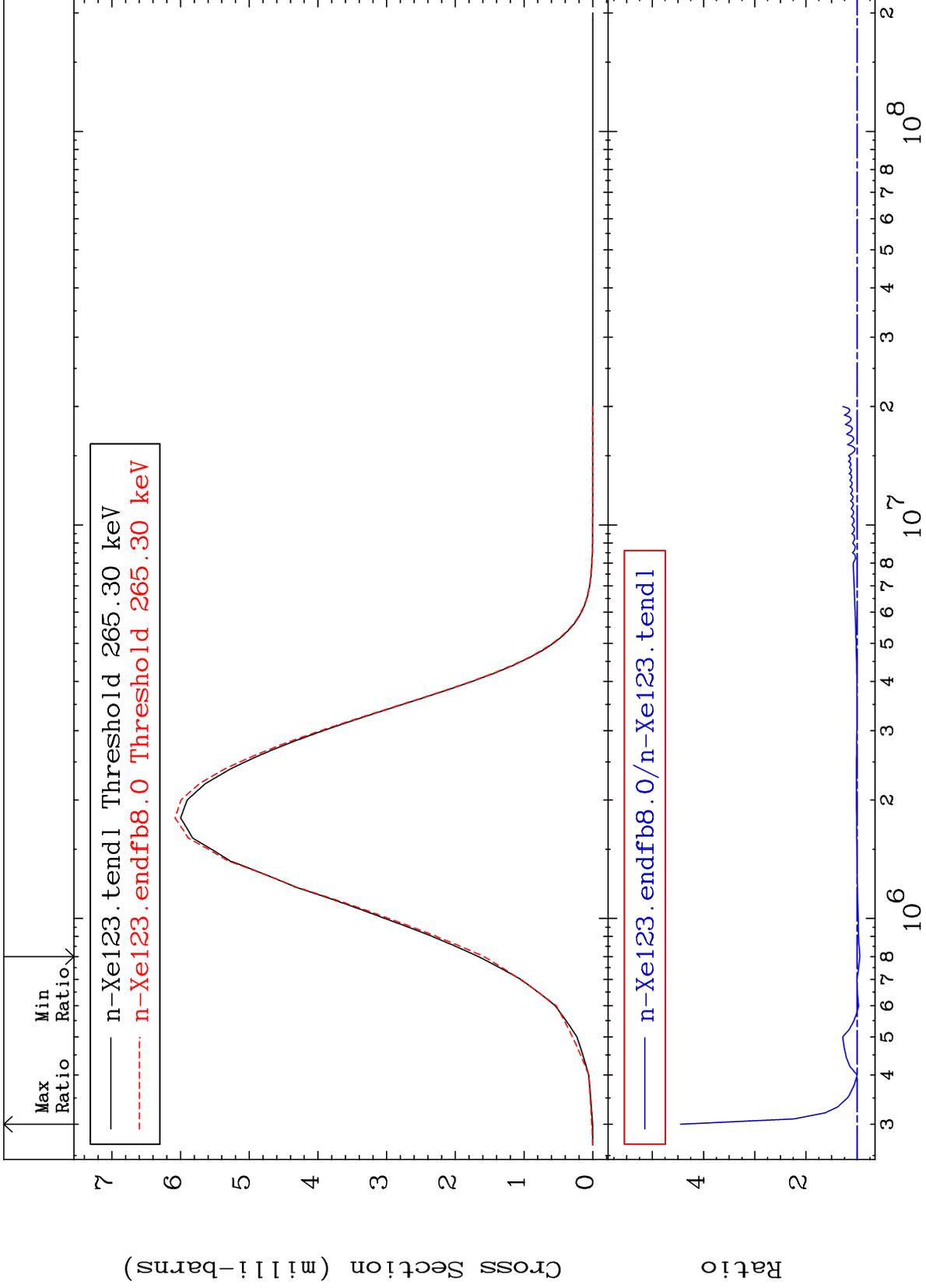
54-Xe-123  
-27.20 To 28.29 %



MAT 5422

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

54-Xe-123  
-4.929 To 344.9 %



14

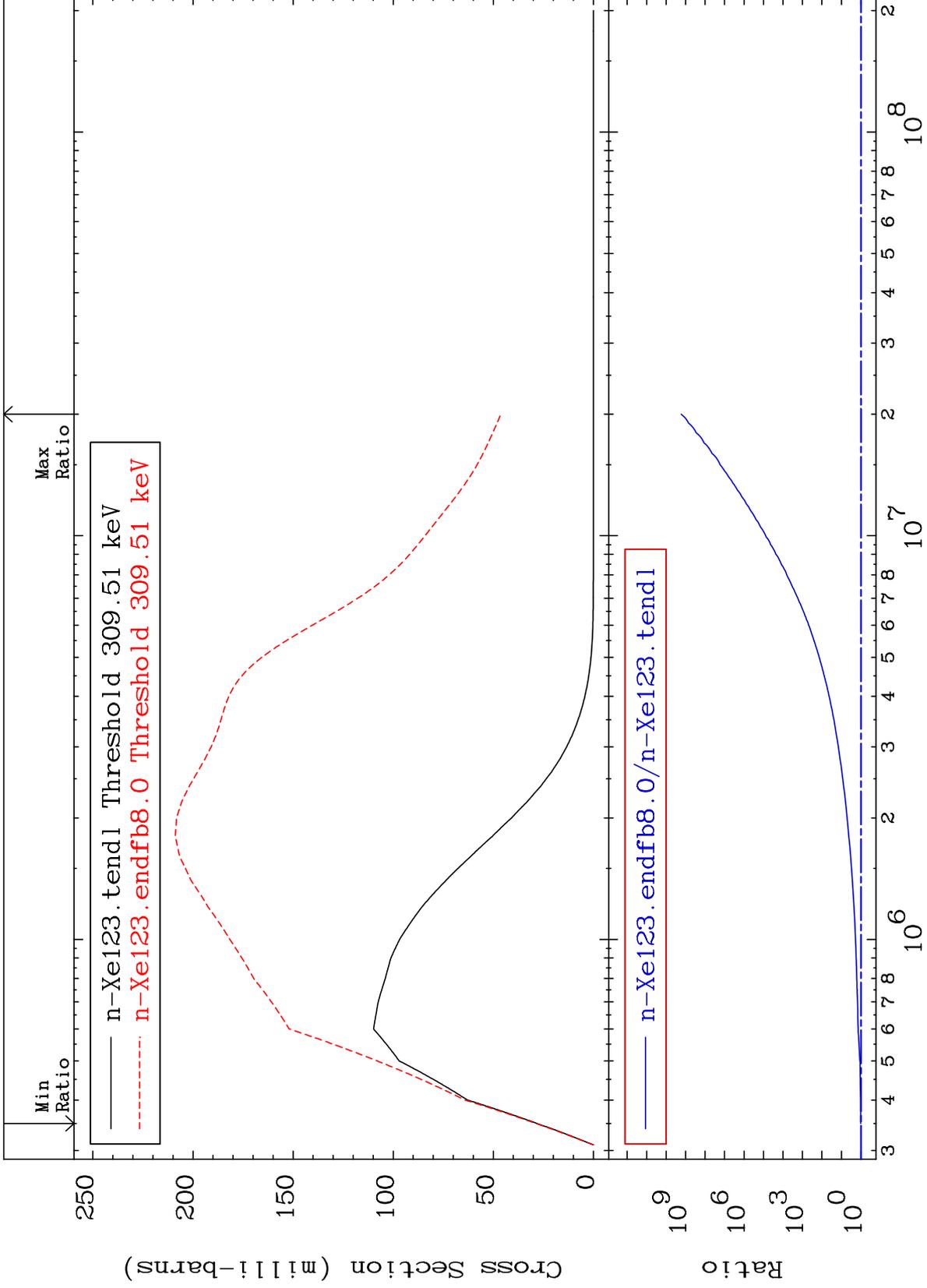
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
1.937 To 9999. %



15

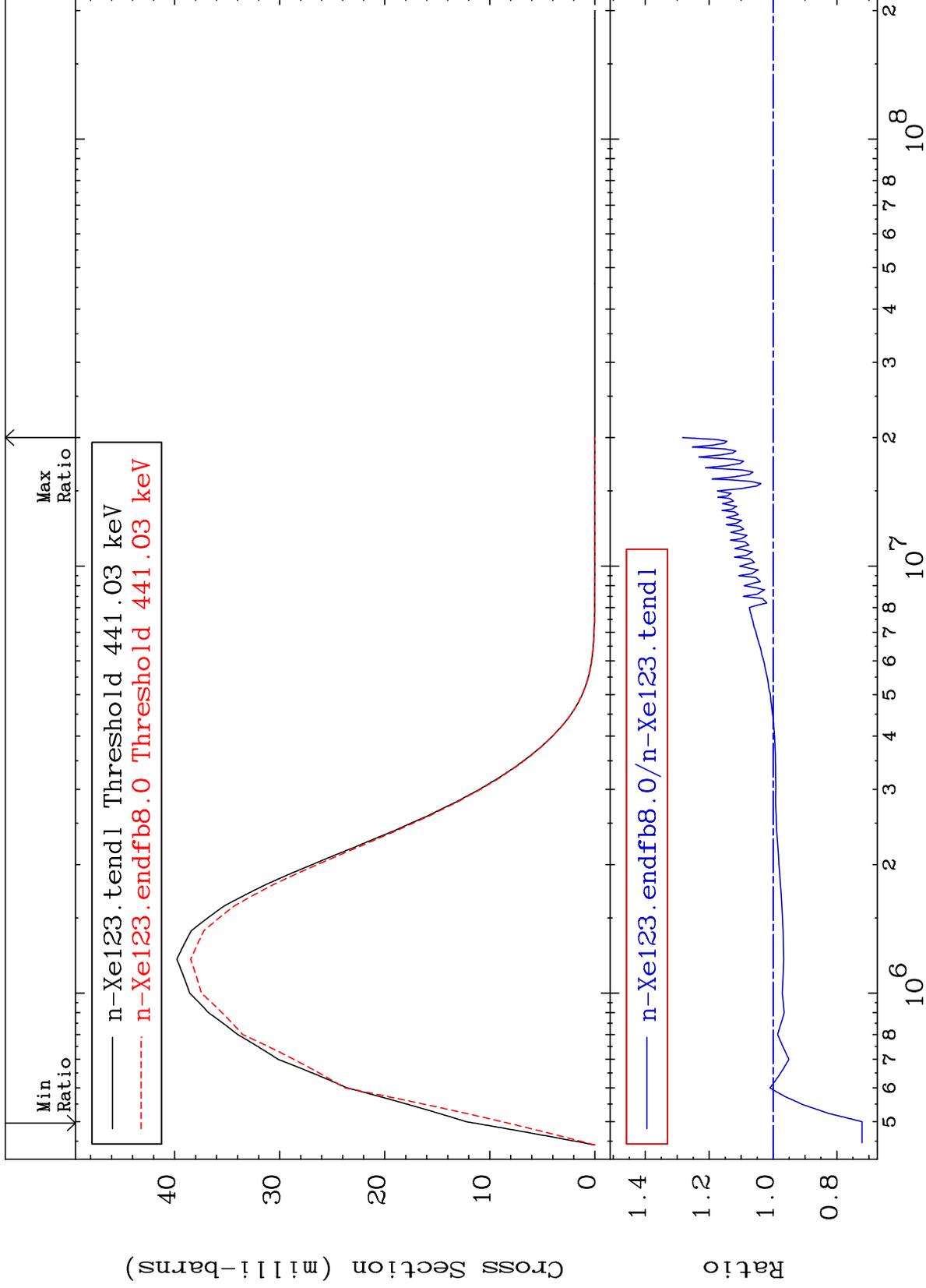
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-27.85 To 28.30 %



16

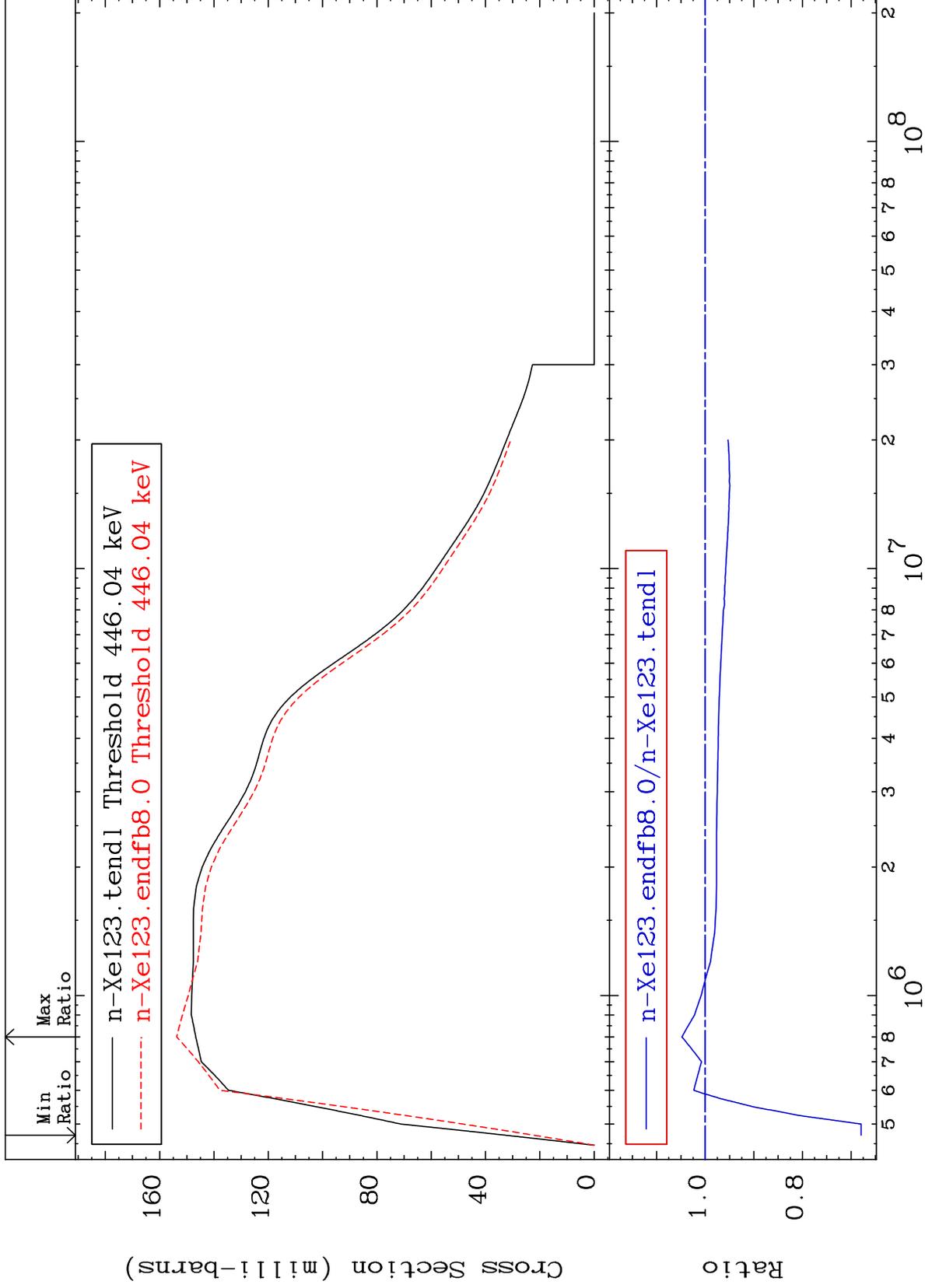
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-32.07 To 4.804 %



17

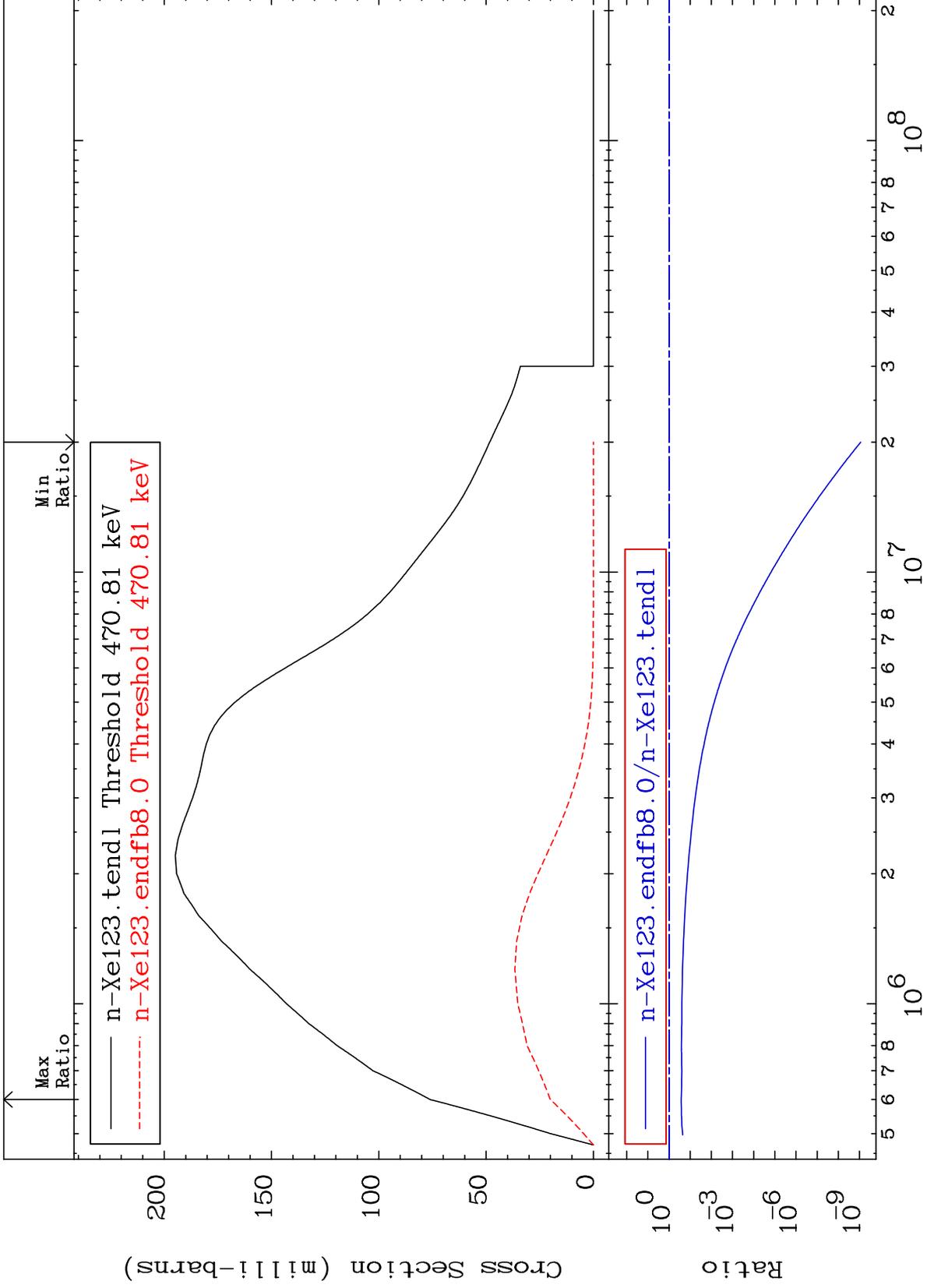
Incident Energy (eV)

54-Xe-123

MAT 5422

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

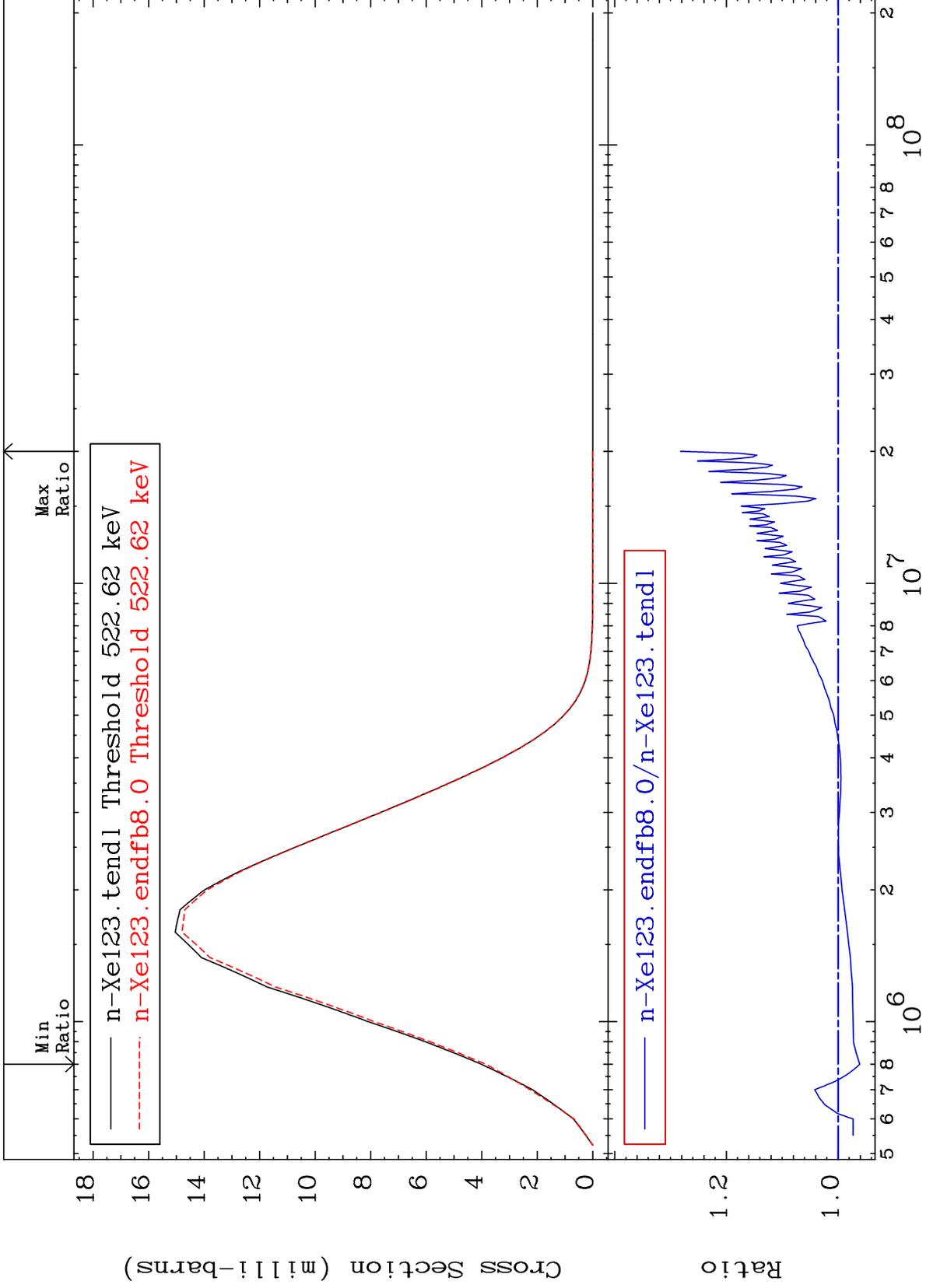
54-Xe-123  
-100.0 To -73.63%



MAT 5422

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

54-Xe-123  
-3.894 To 28.22 %



19

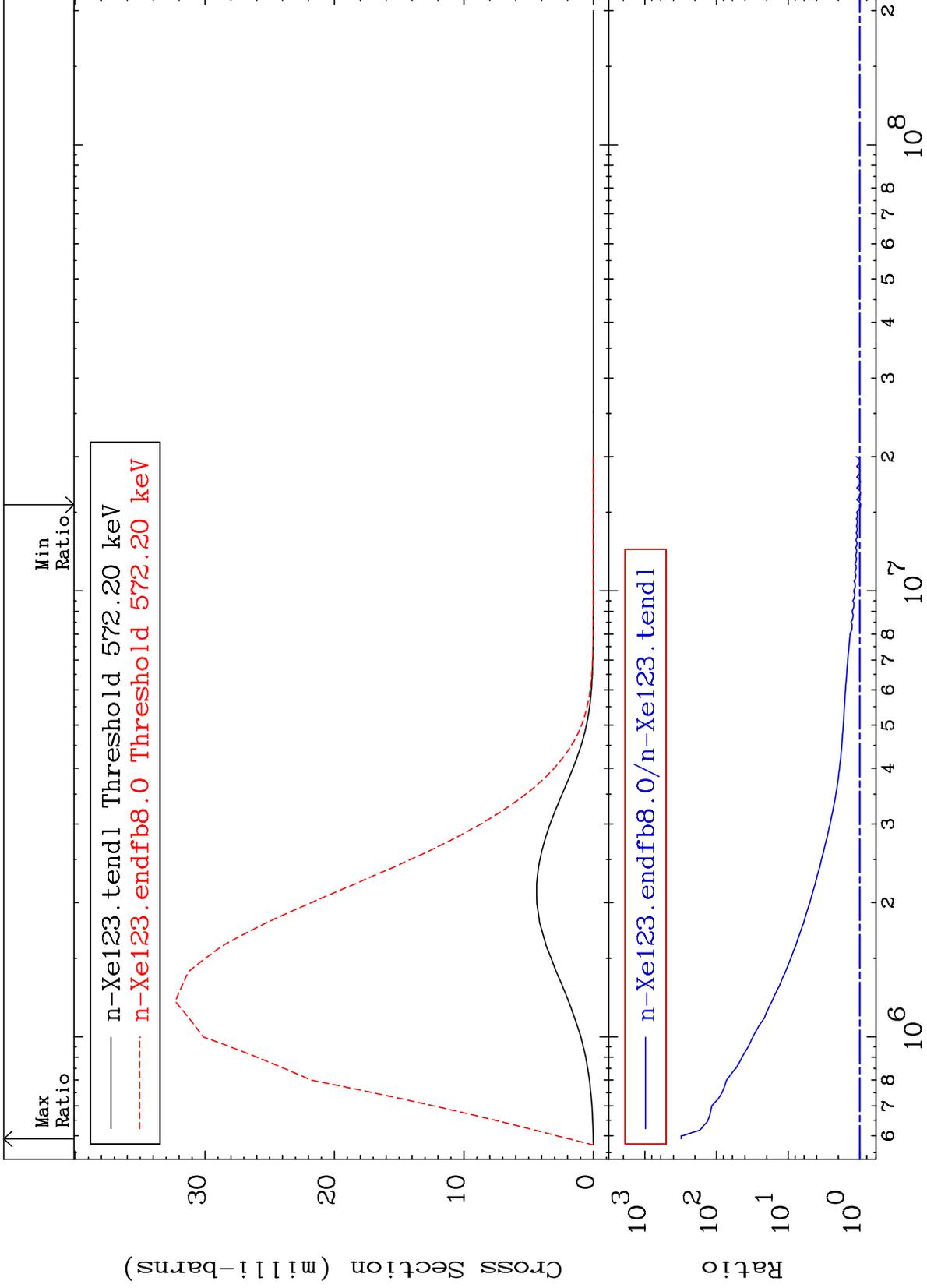
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-2.833 To 9999. %



20

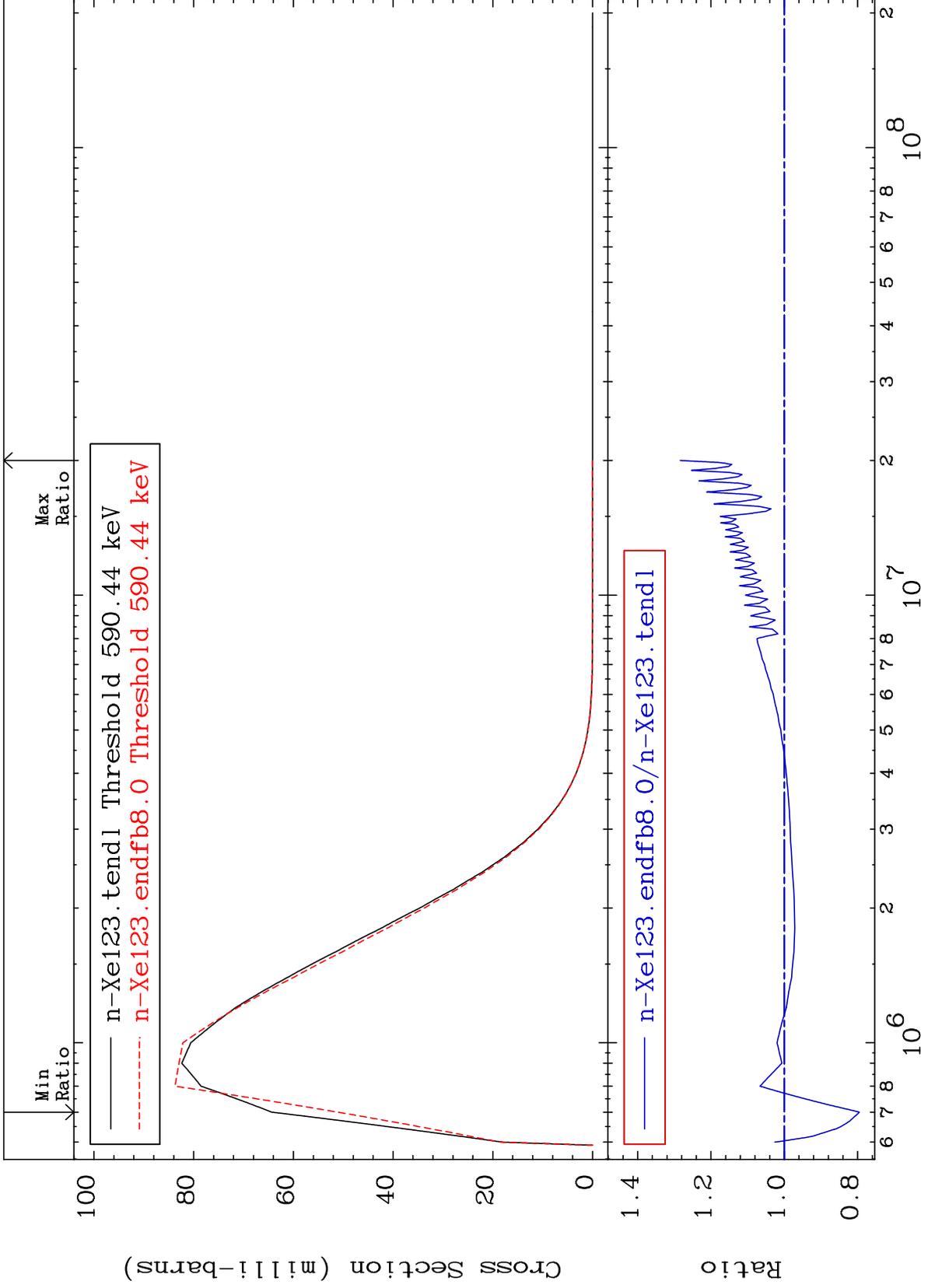
Incident Energy (eV)

54-Xe-123

MAT 5422

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

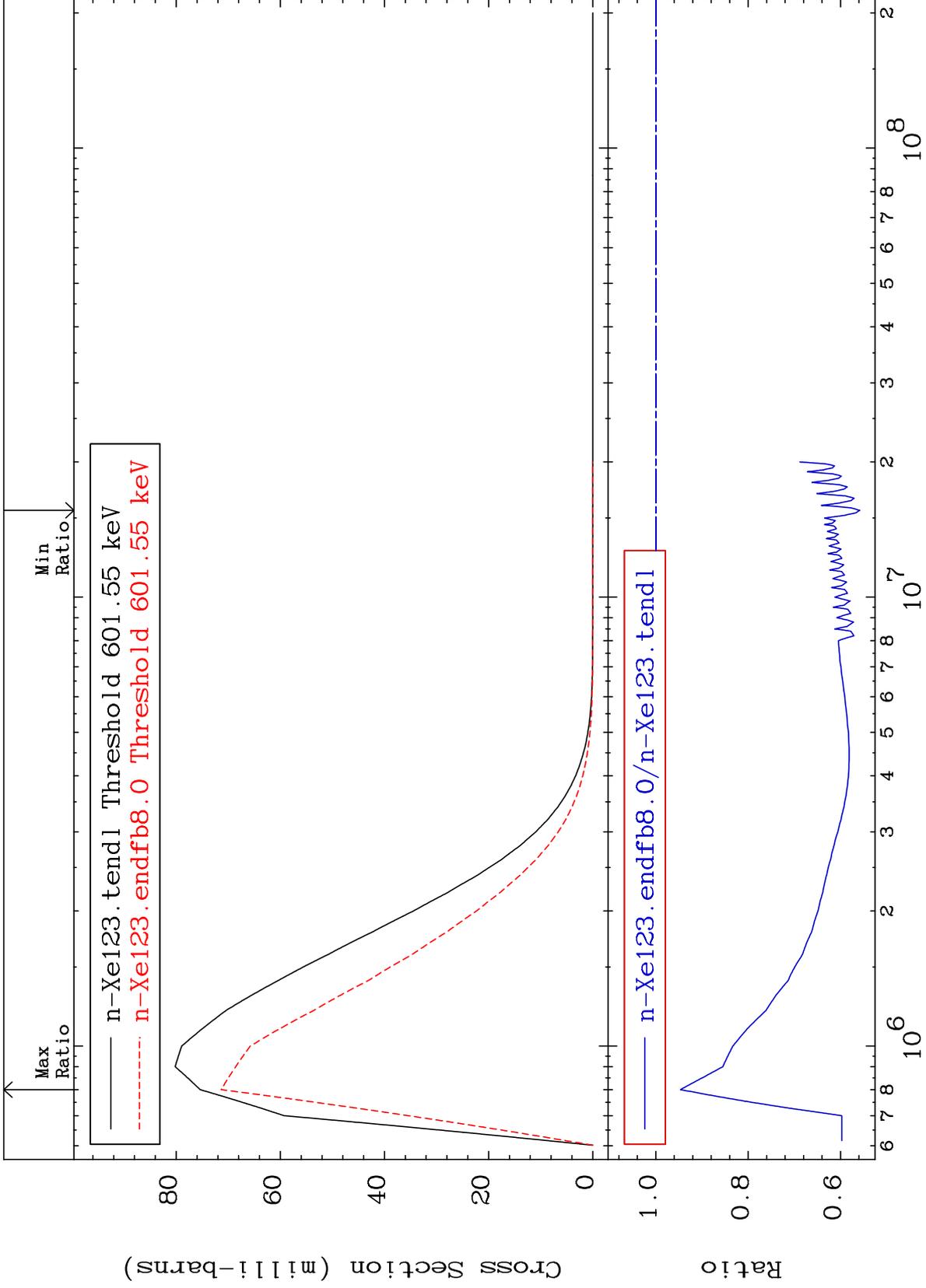
54-Xe-123  
-20.50 To 28.37 %



MAT 5422

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

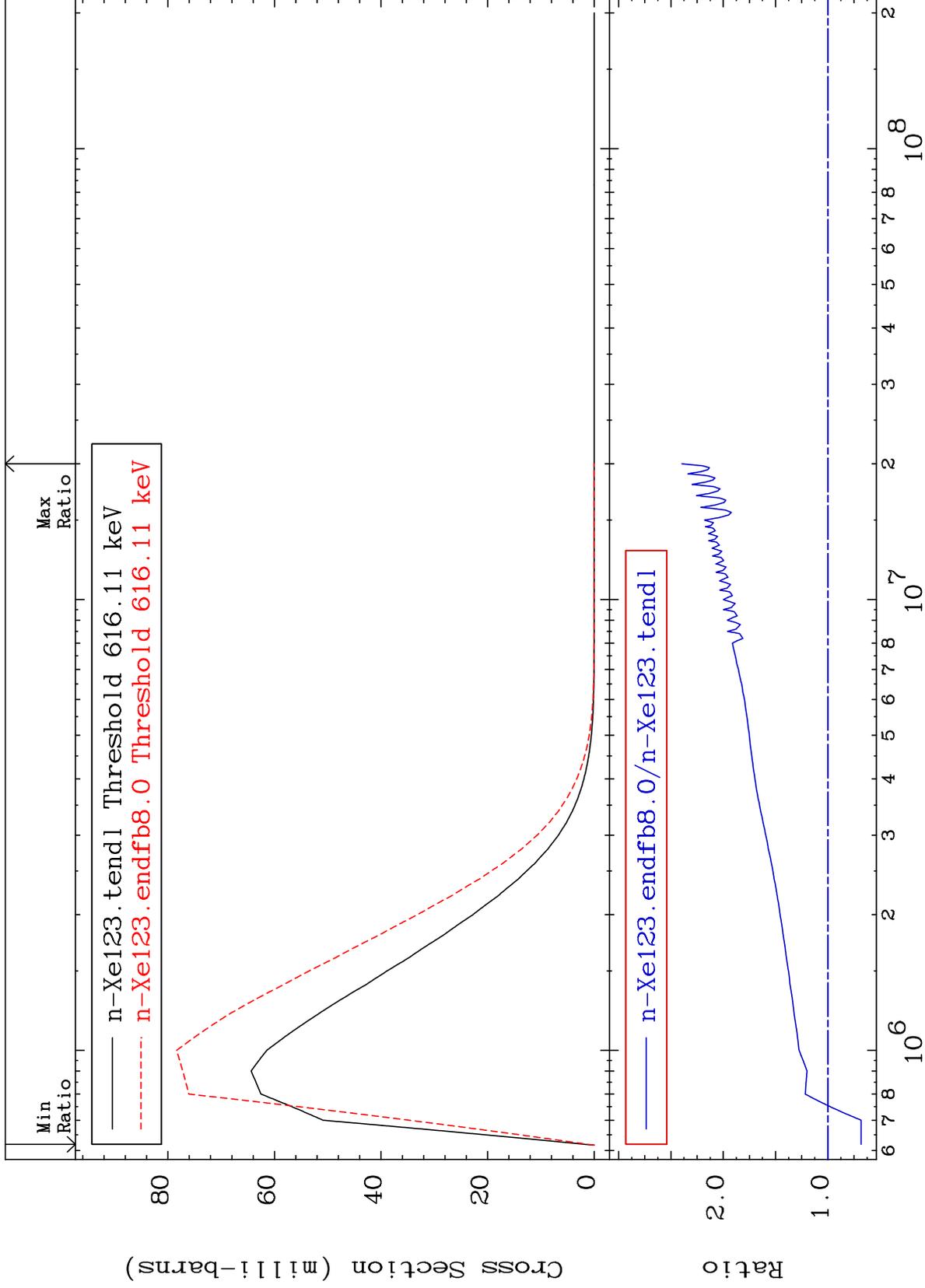
54-Xe-123  
-44.18 To -5.350%



MAT 5422

MT= 65 (n,n') Level  
Cross Section

54-Xe-123  
-31.80 To 139.5 %



23

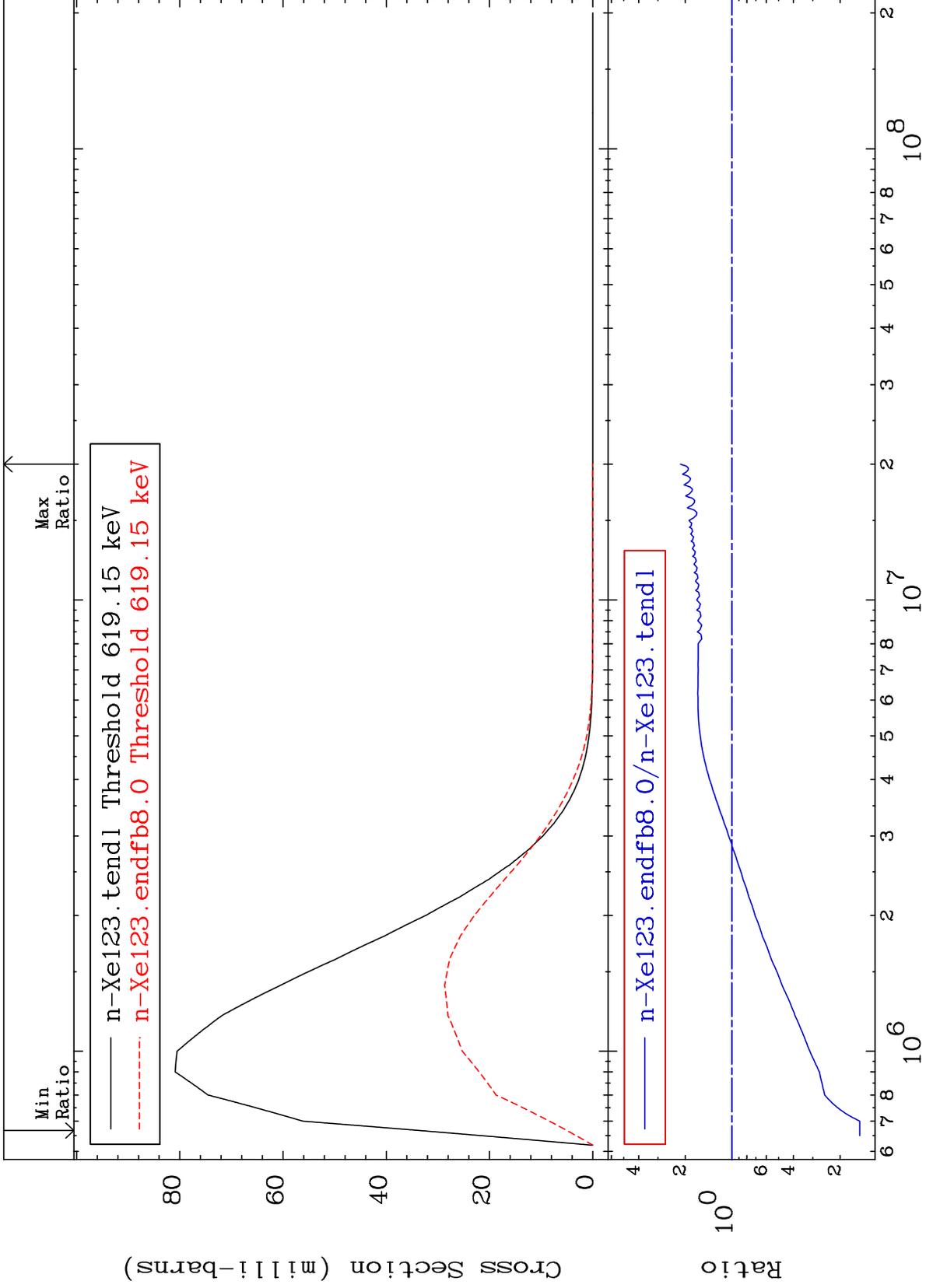
Incident Energy (eV)

54-Xe-123

MAT 5422

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

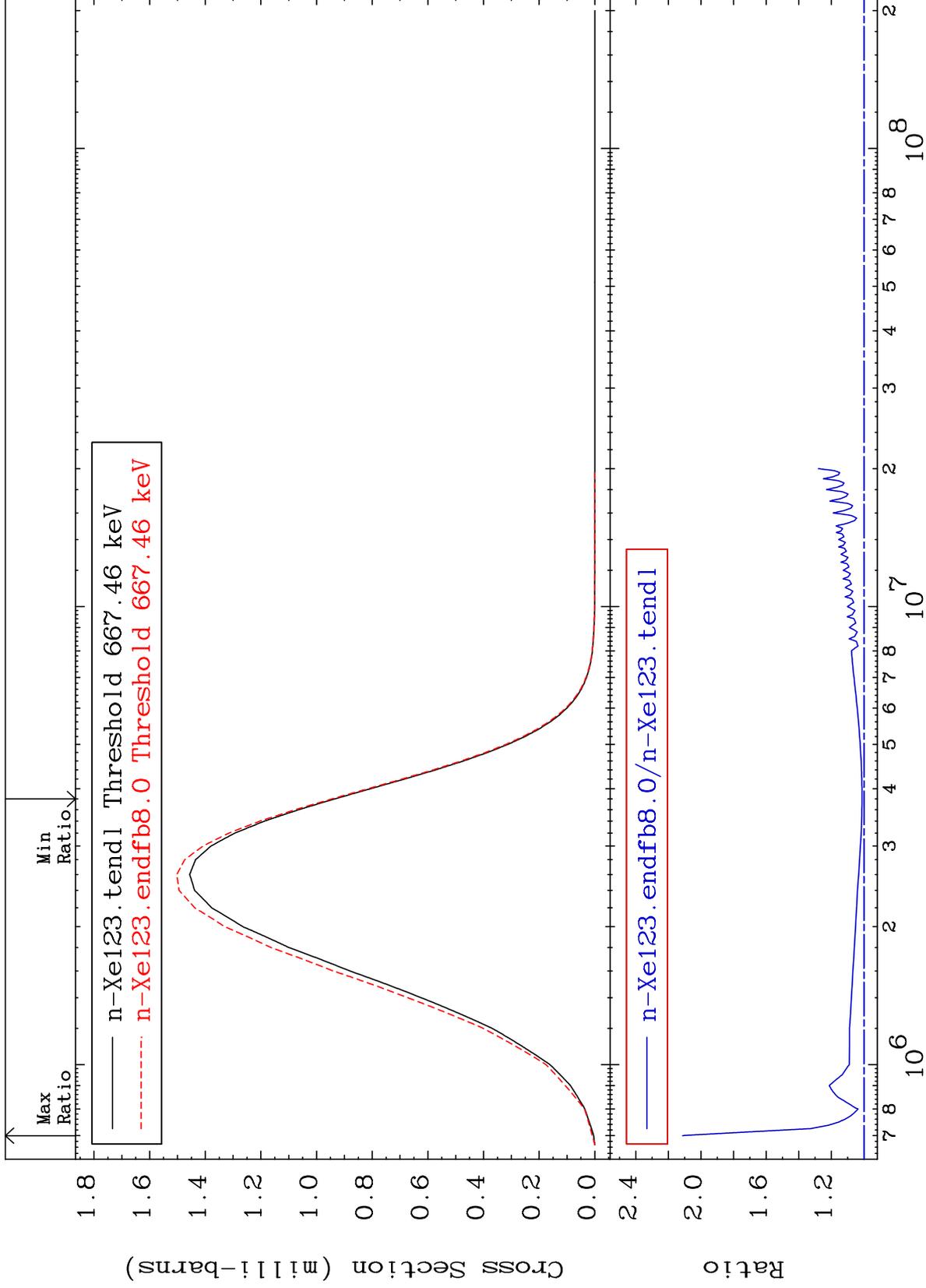
54-Xe-123  
-85.07 To 114.6 %



MAT 5422

MT= 67 (n, n') Level  
Cross Section

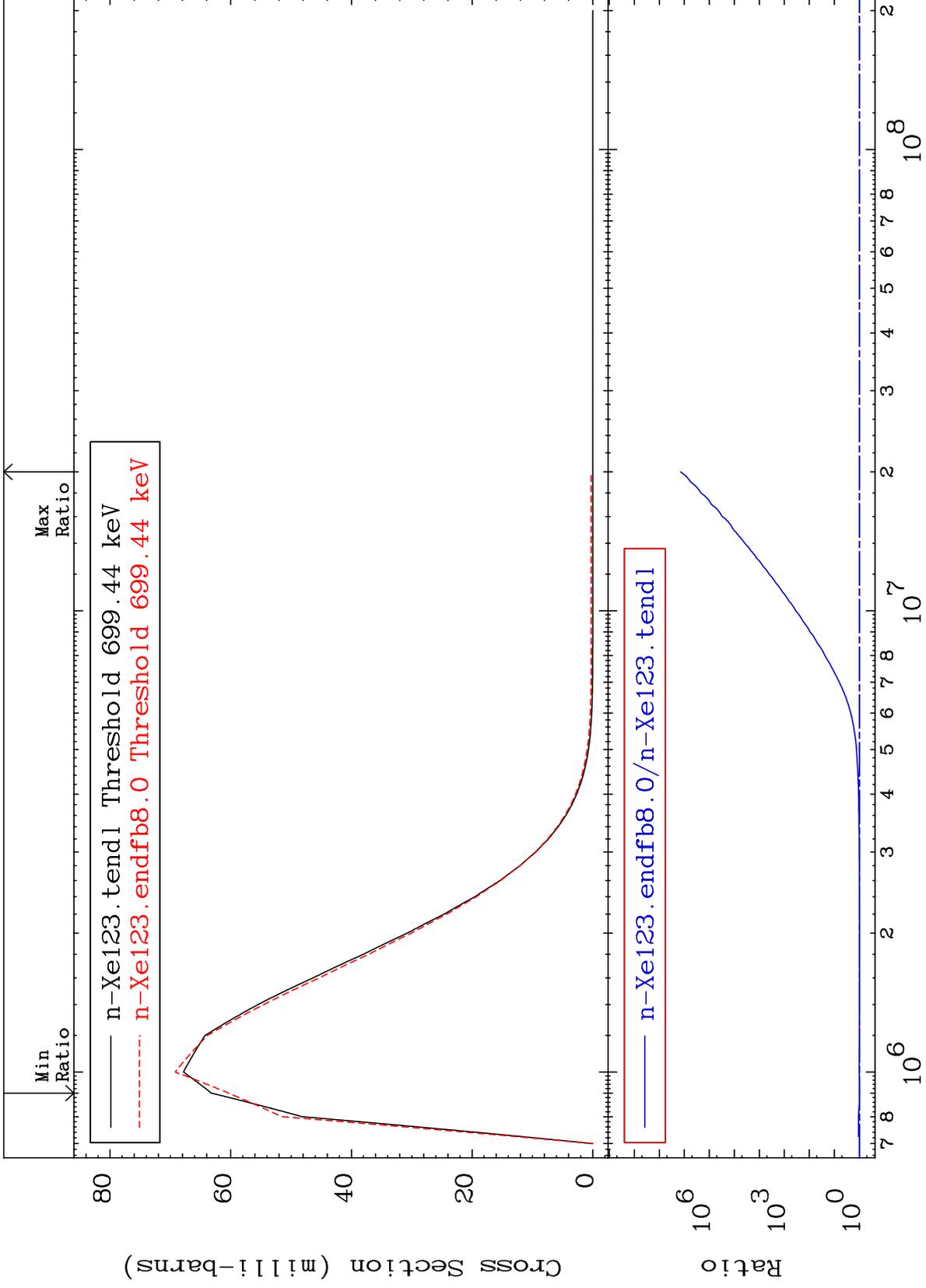
54-Xe-123  
1.115 To 111.3 %



MAT 5422

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

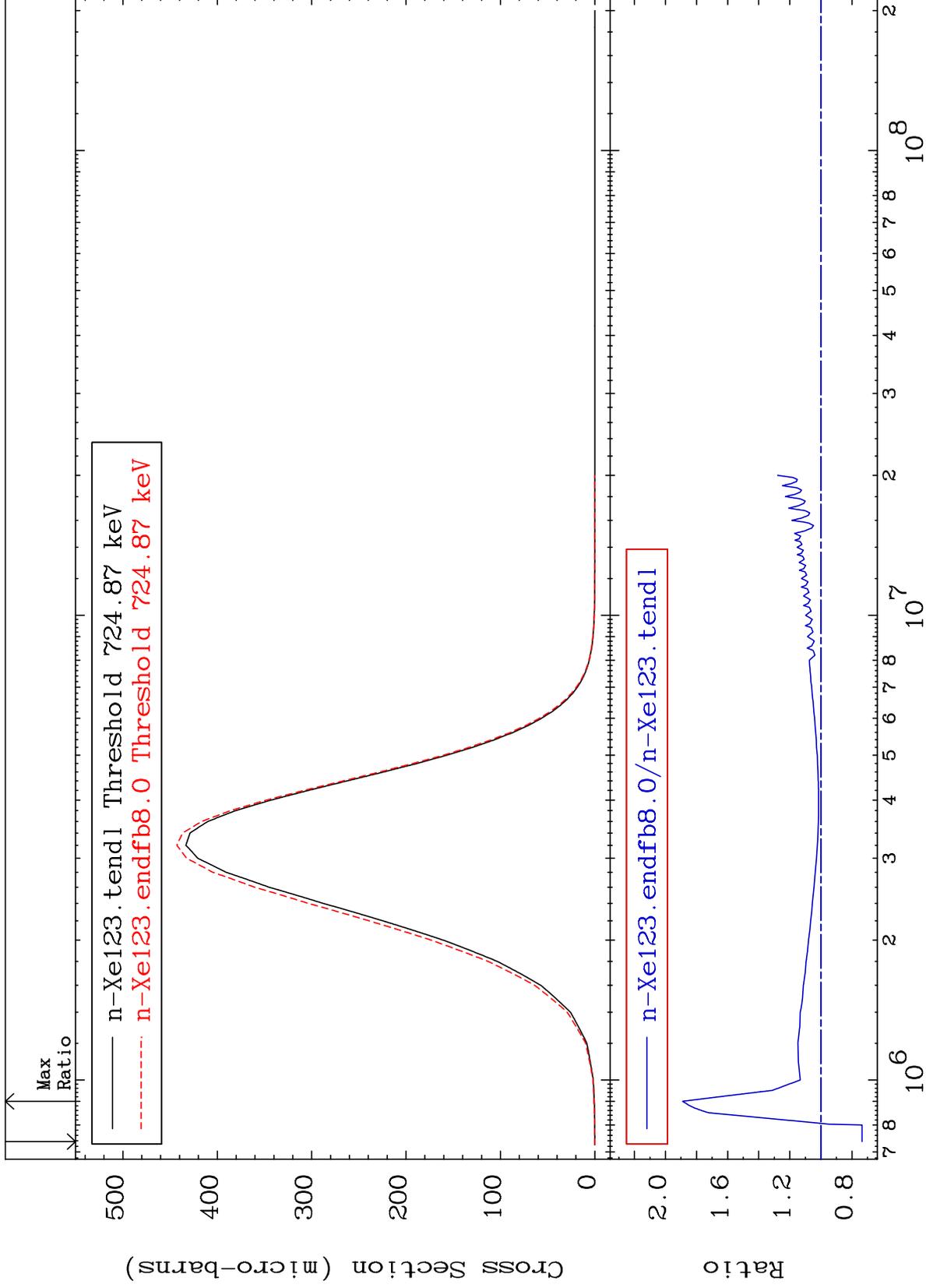
54-Xe-123  
-4.515 To 9999. %



MAT 5422

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

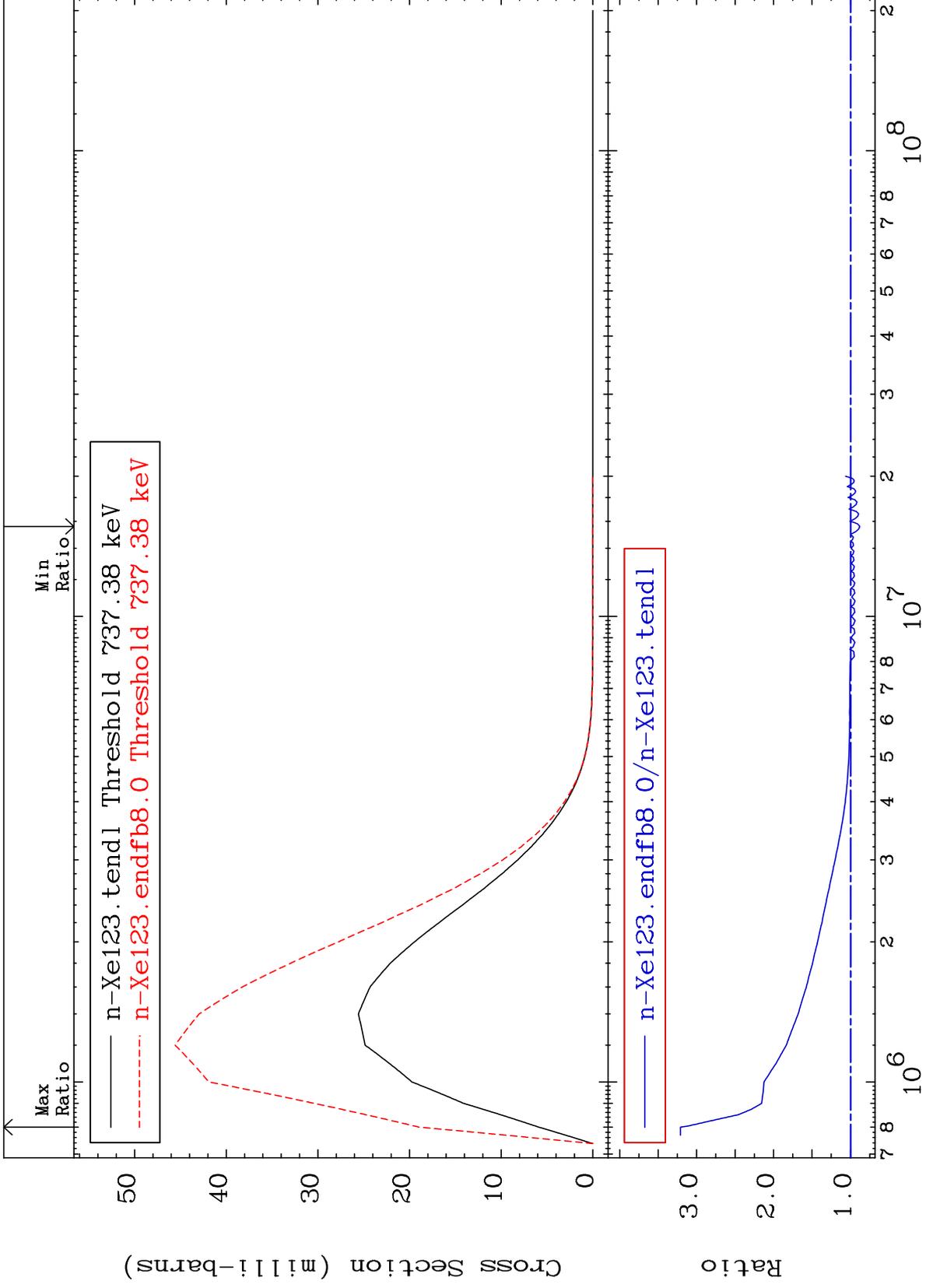
54-Xe-123  
-26.50 To 88.94 %



MAT 5422

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

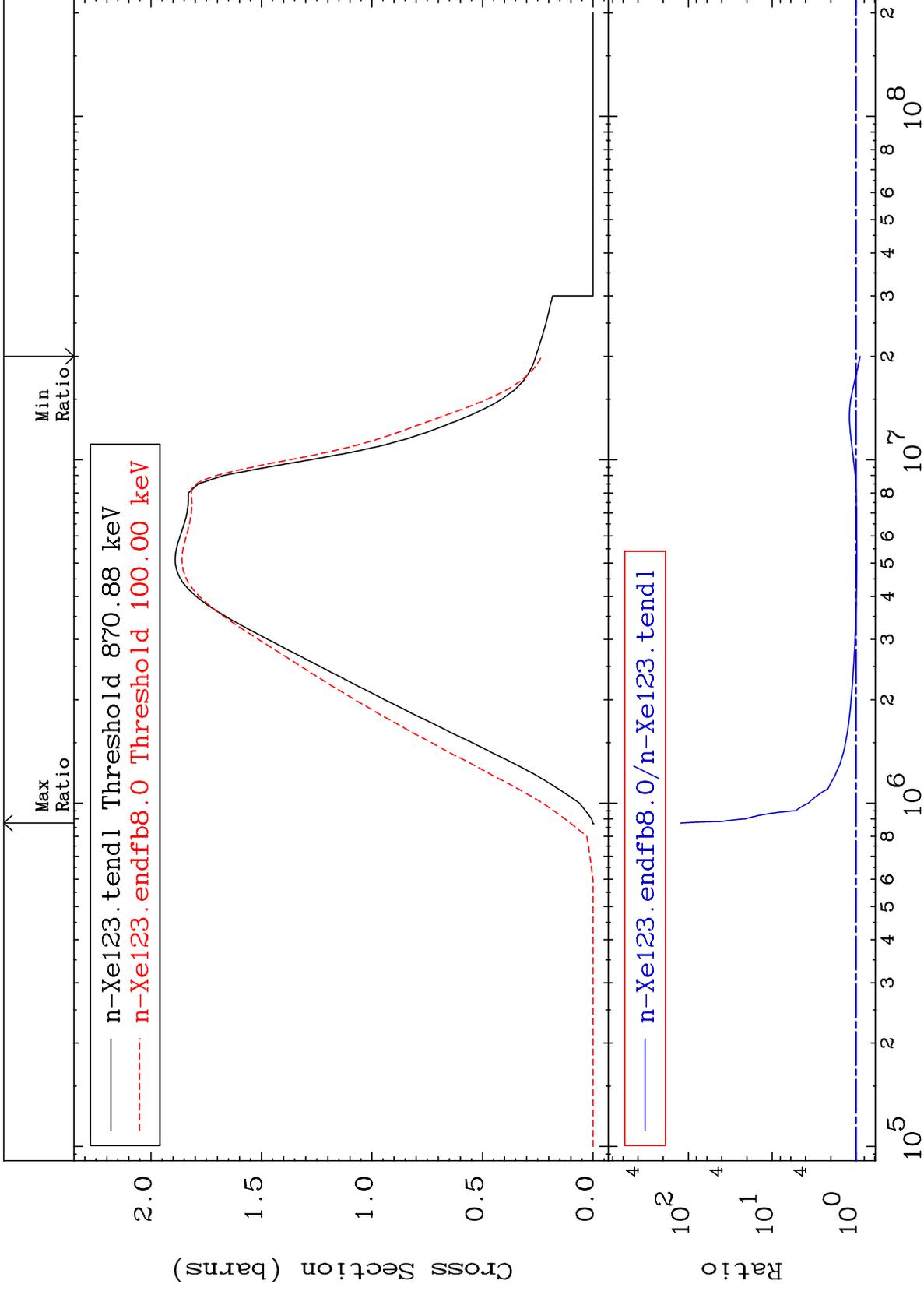
54-Xe-123  
-12.04 To 220.9 %



MAT 5422

(n, n') Continuum  
Cross Section

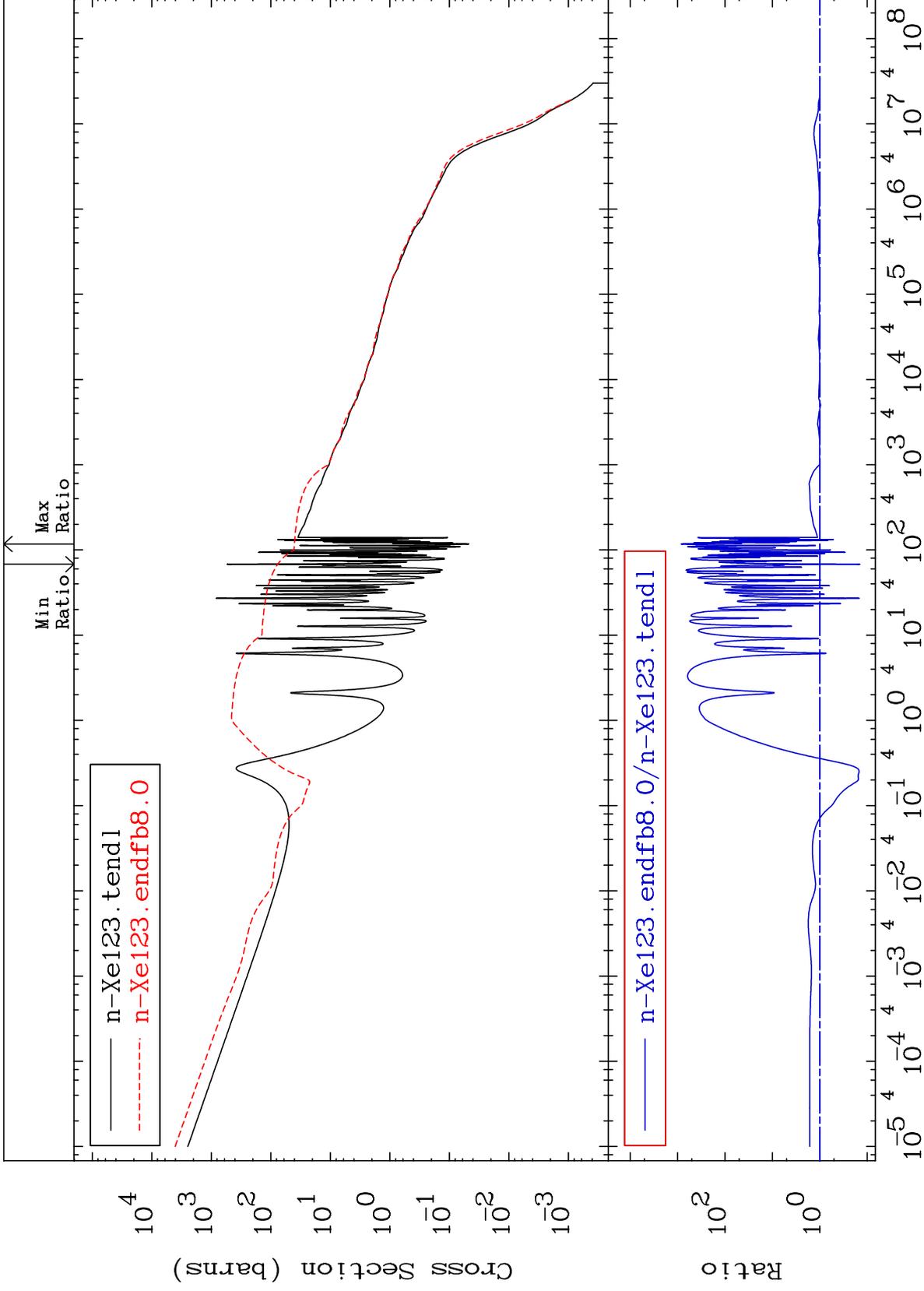
54-Xe-123  
-10.43 To 9999. %



MAT 5422

(n,  $\gamma$ )  
Cross Section

54-Xe-123  
-85.89 To 9999. %



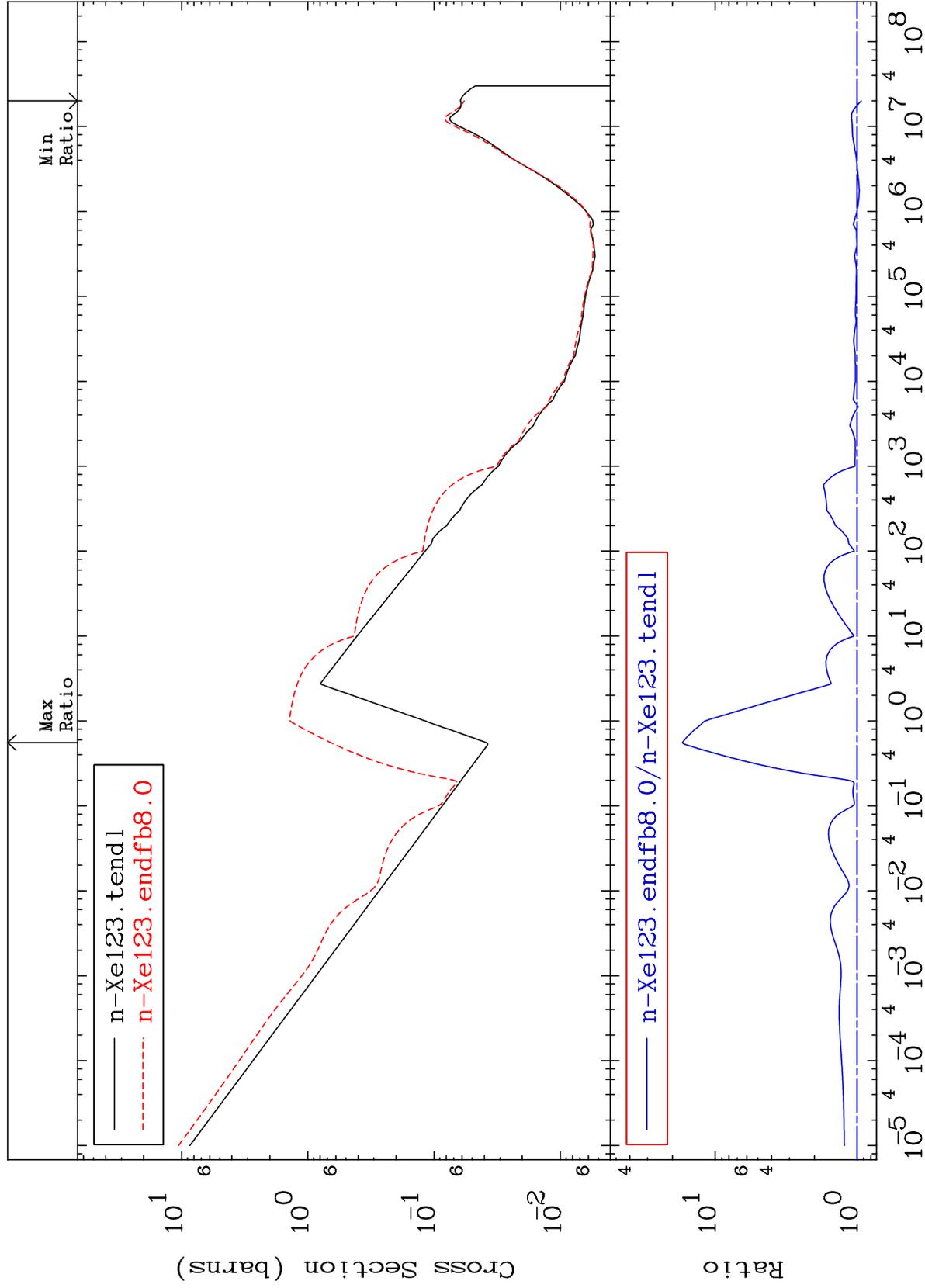
MAT 5422

(n,p)

54-Xe-123

Cross Section

-6.671 To 1601. %



31

54-Xe-123

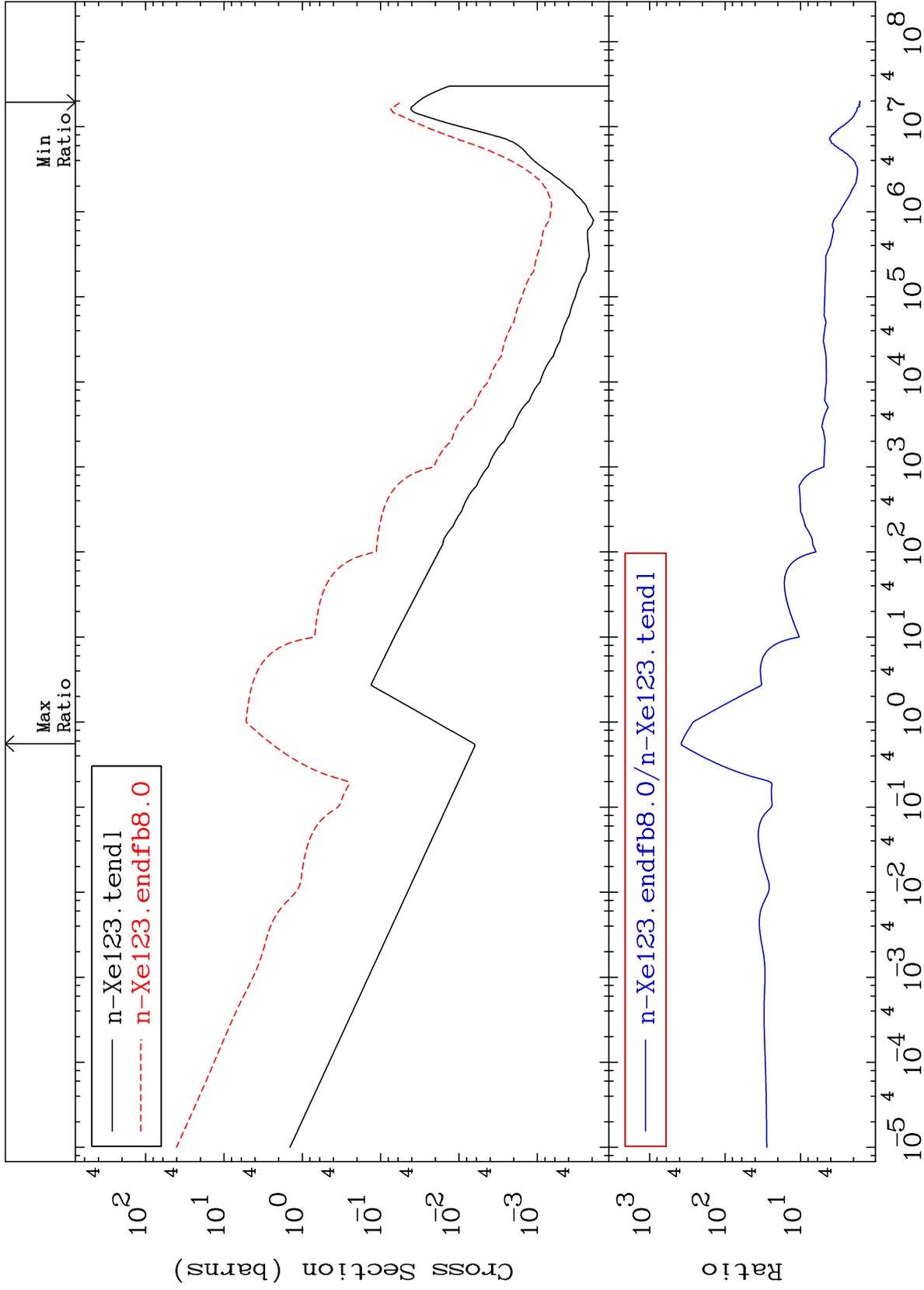
MAT 5422

(n,  $\alpha$ )

54-Xe-123

Cross Section

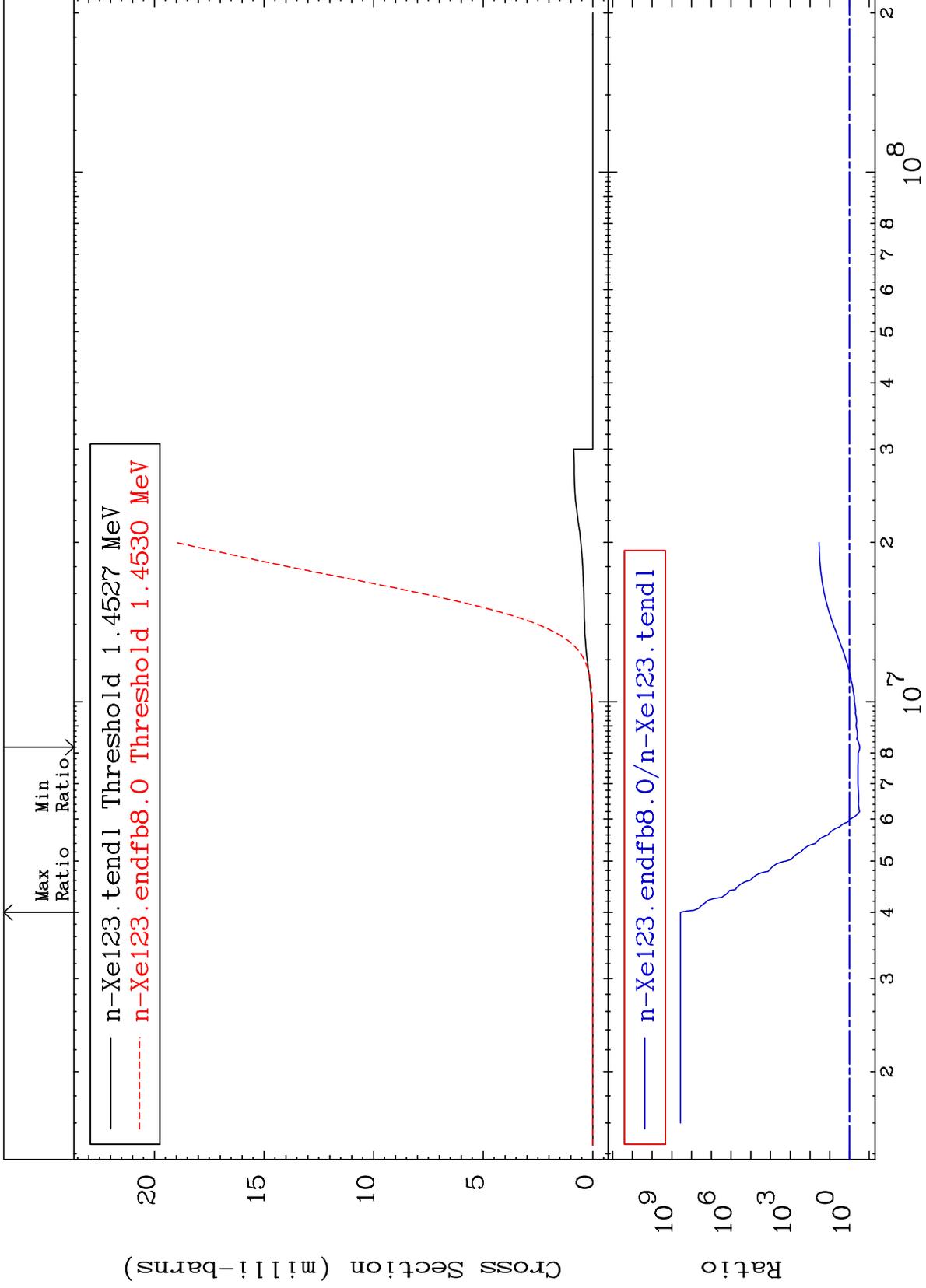
62.87 To 9999. %



MAT 5422

(n,2p)  
Cross Section

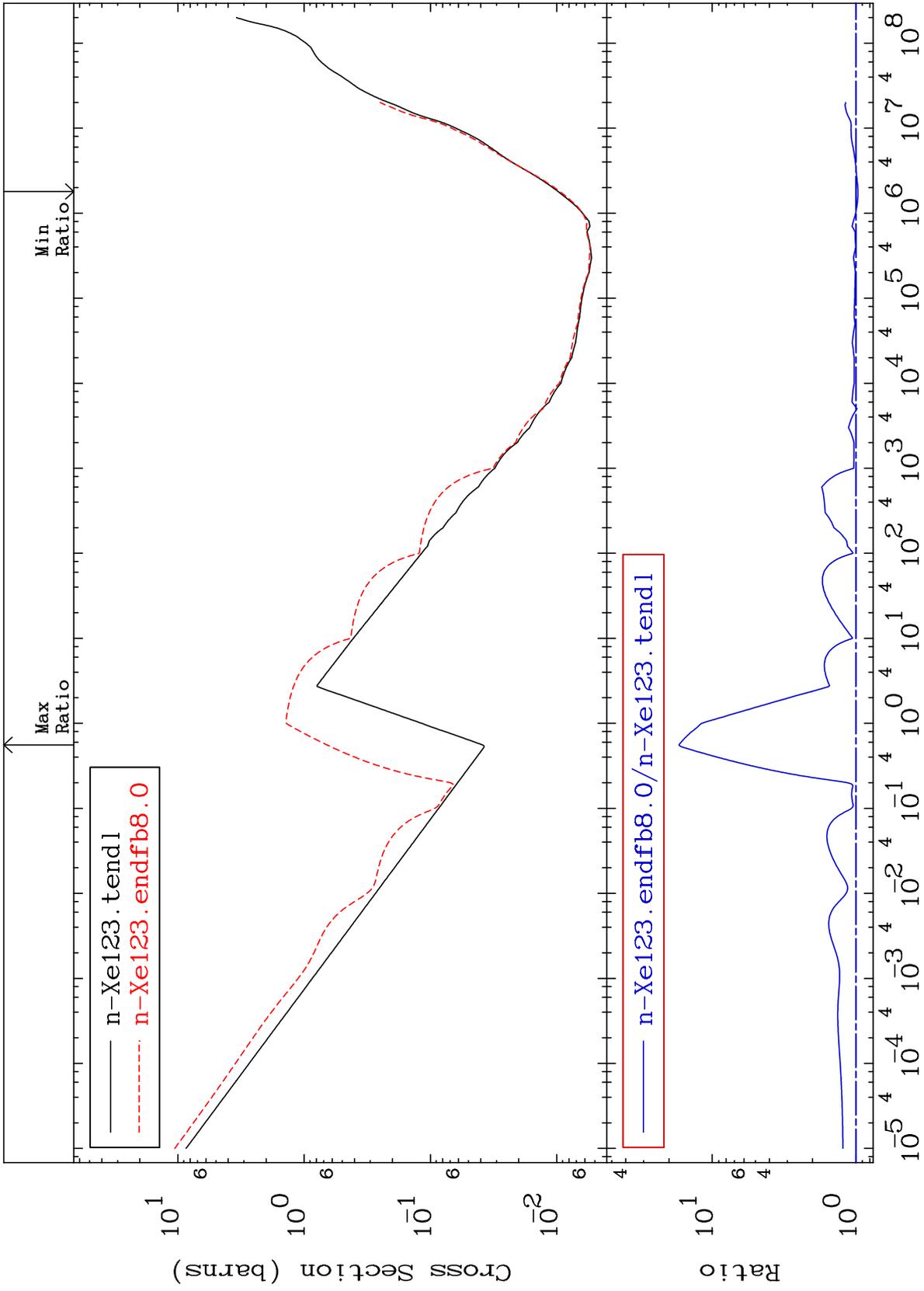
54-Xe-123  
-69.81 To 9999. %



MAT 5422

Hydrogen Production  
Cross Section

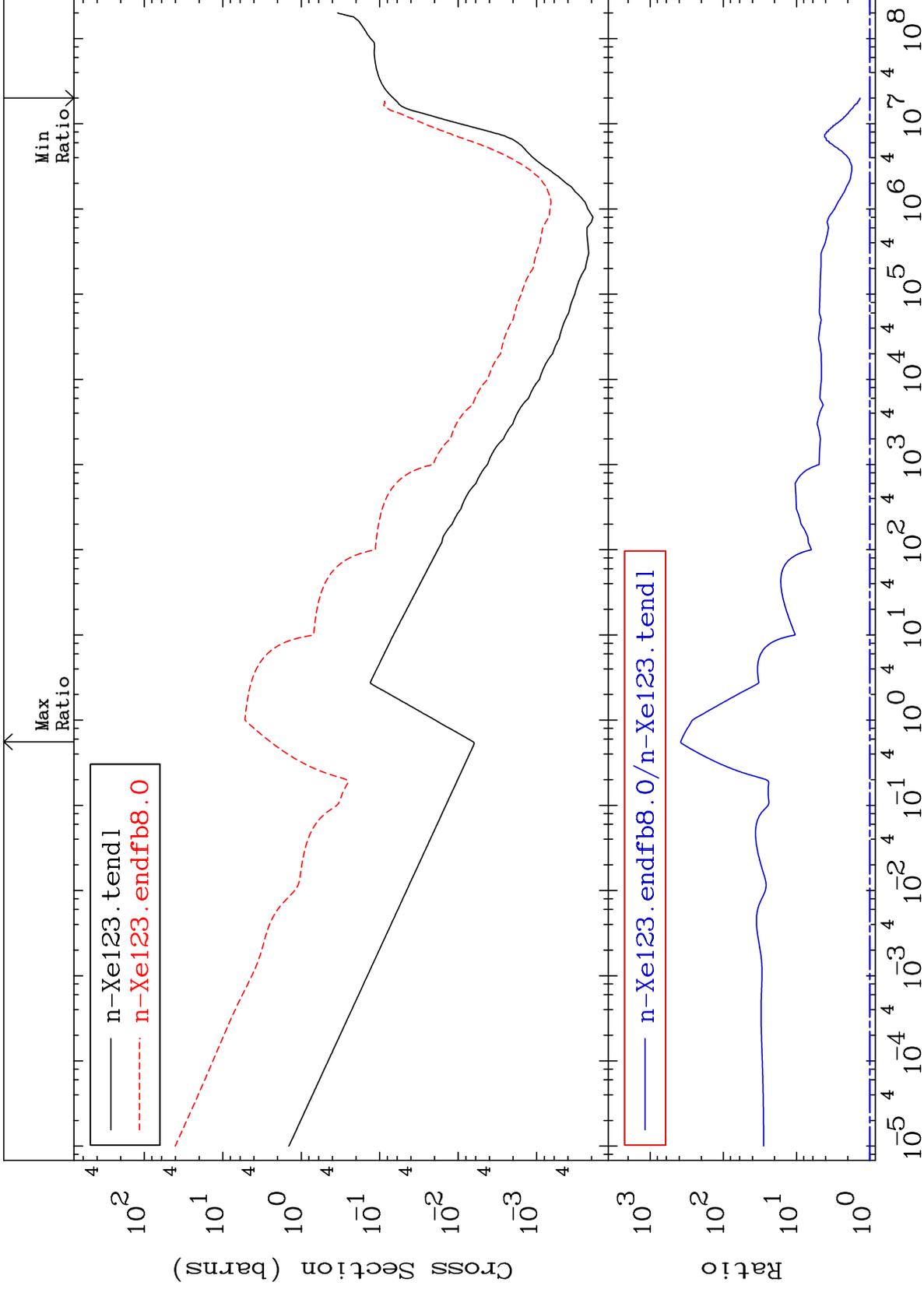
54-Xe-123  
-3.322 To 1601. %

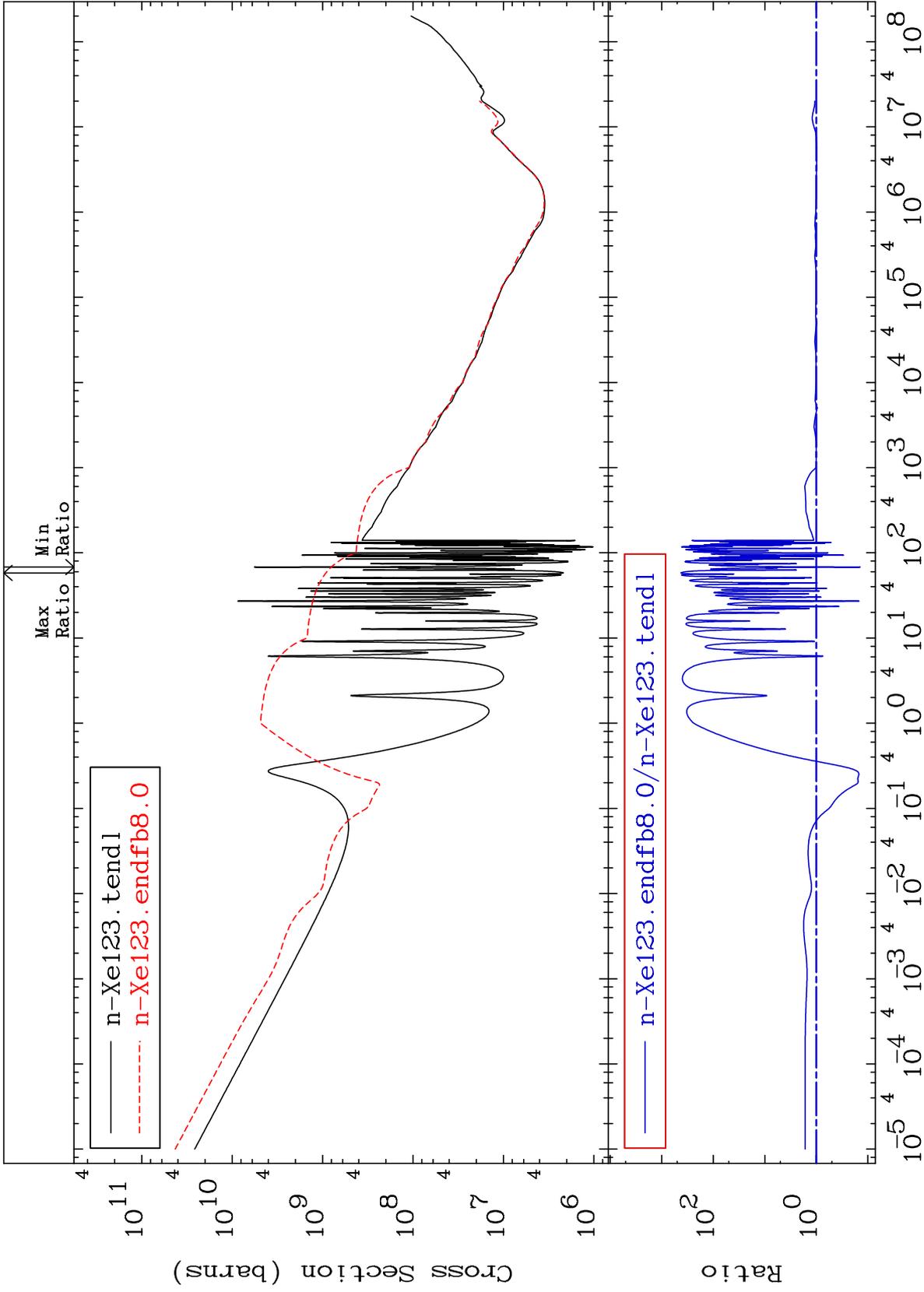


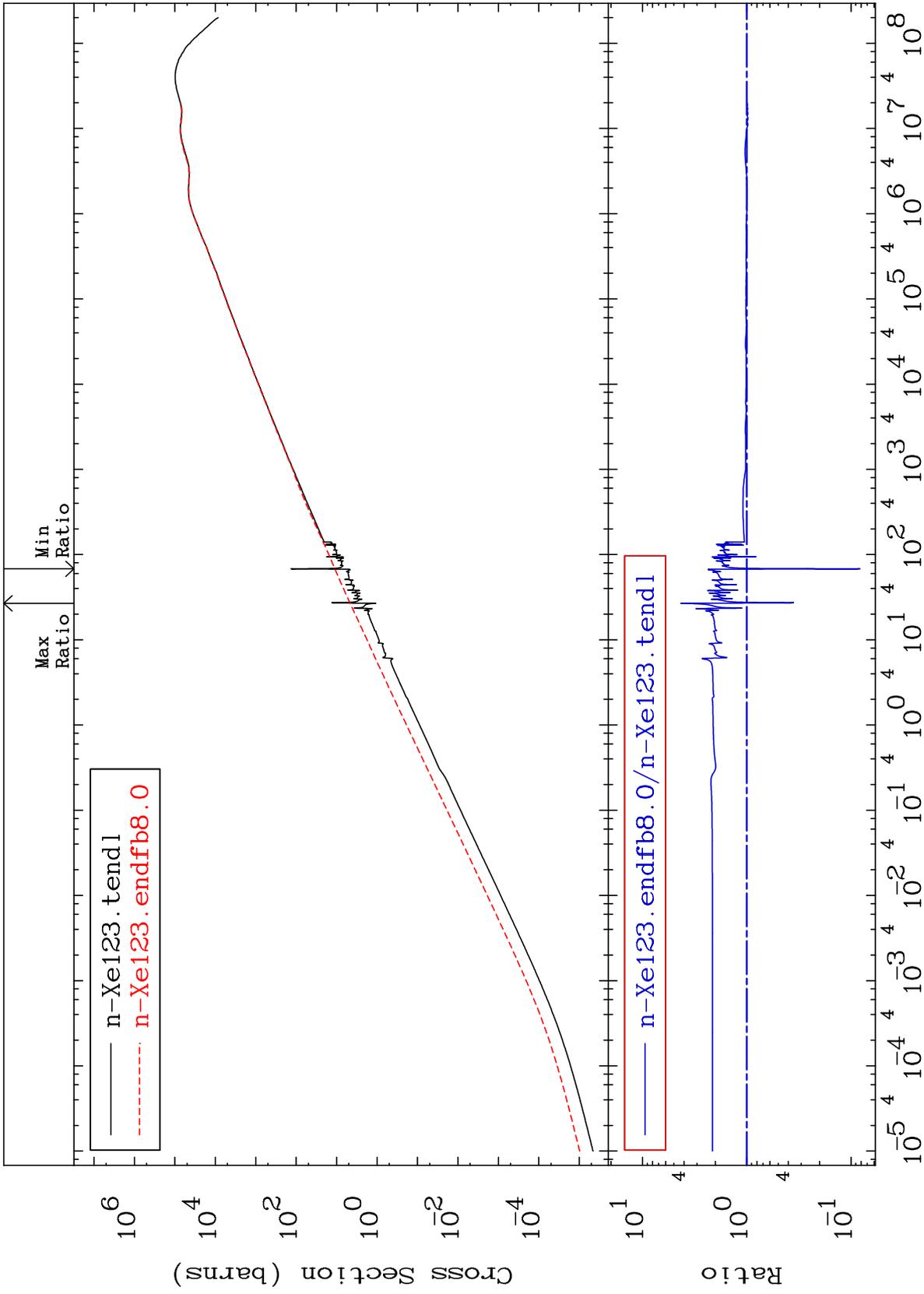
MAT 5422

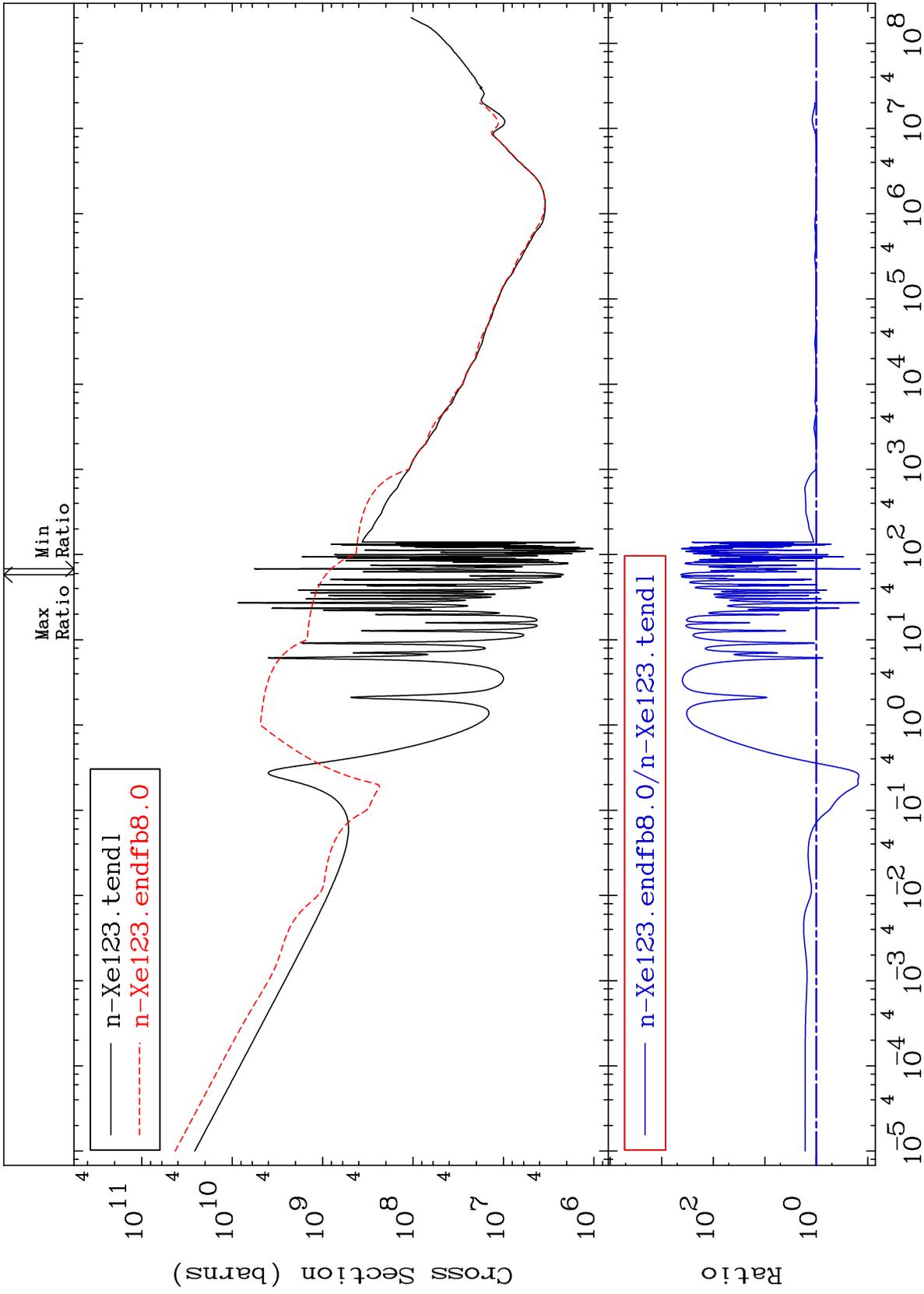
He-4 Production  
Cross Section

54-Xe-123  
35.54 To 9999. %





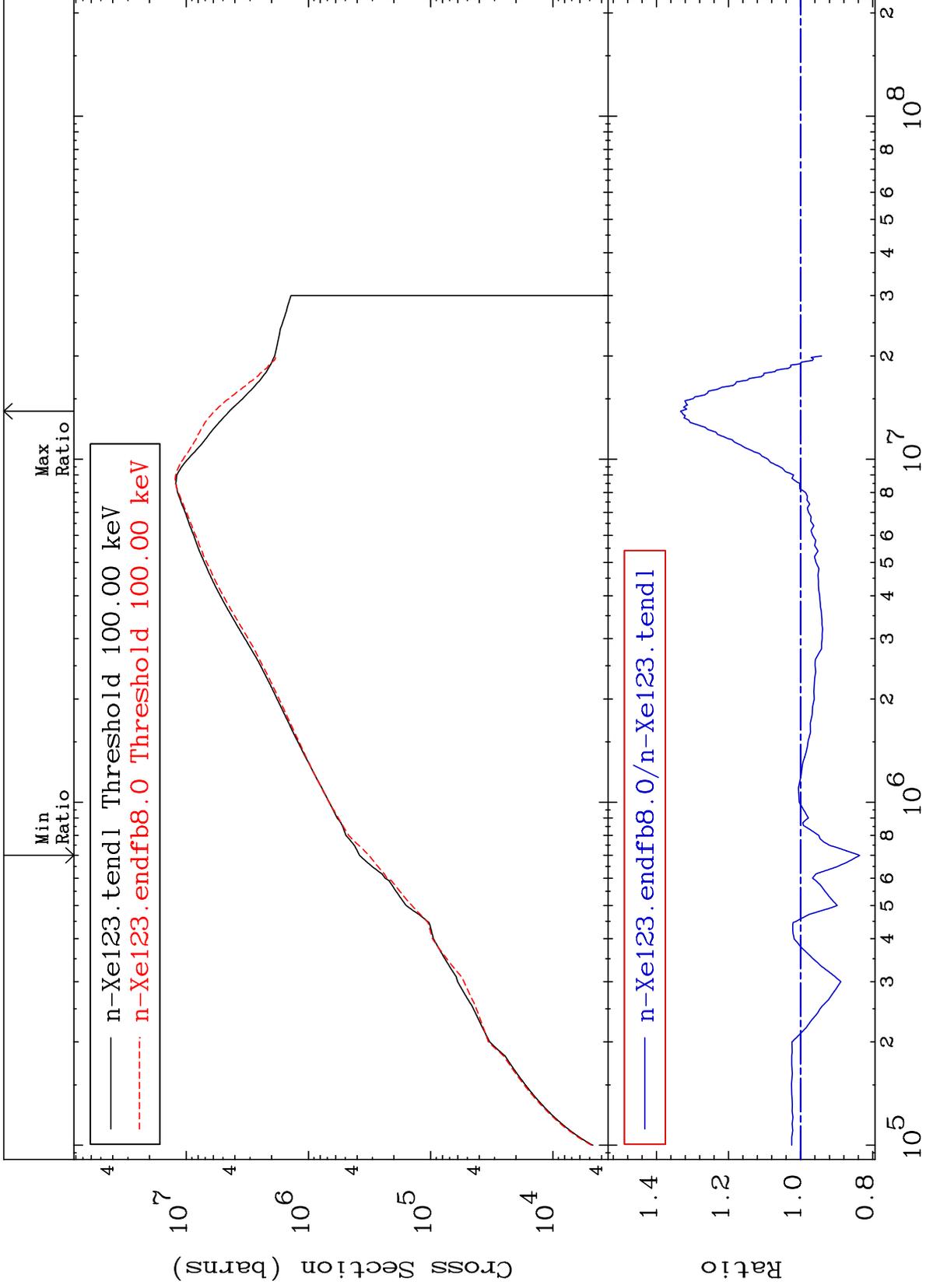




MAT 5422

Kerma inelastic (mt51-91)  
Cross Section

54-Xe-123  
-16.43 To 33.31 %



39

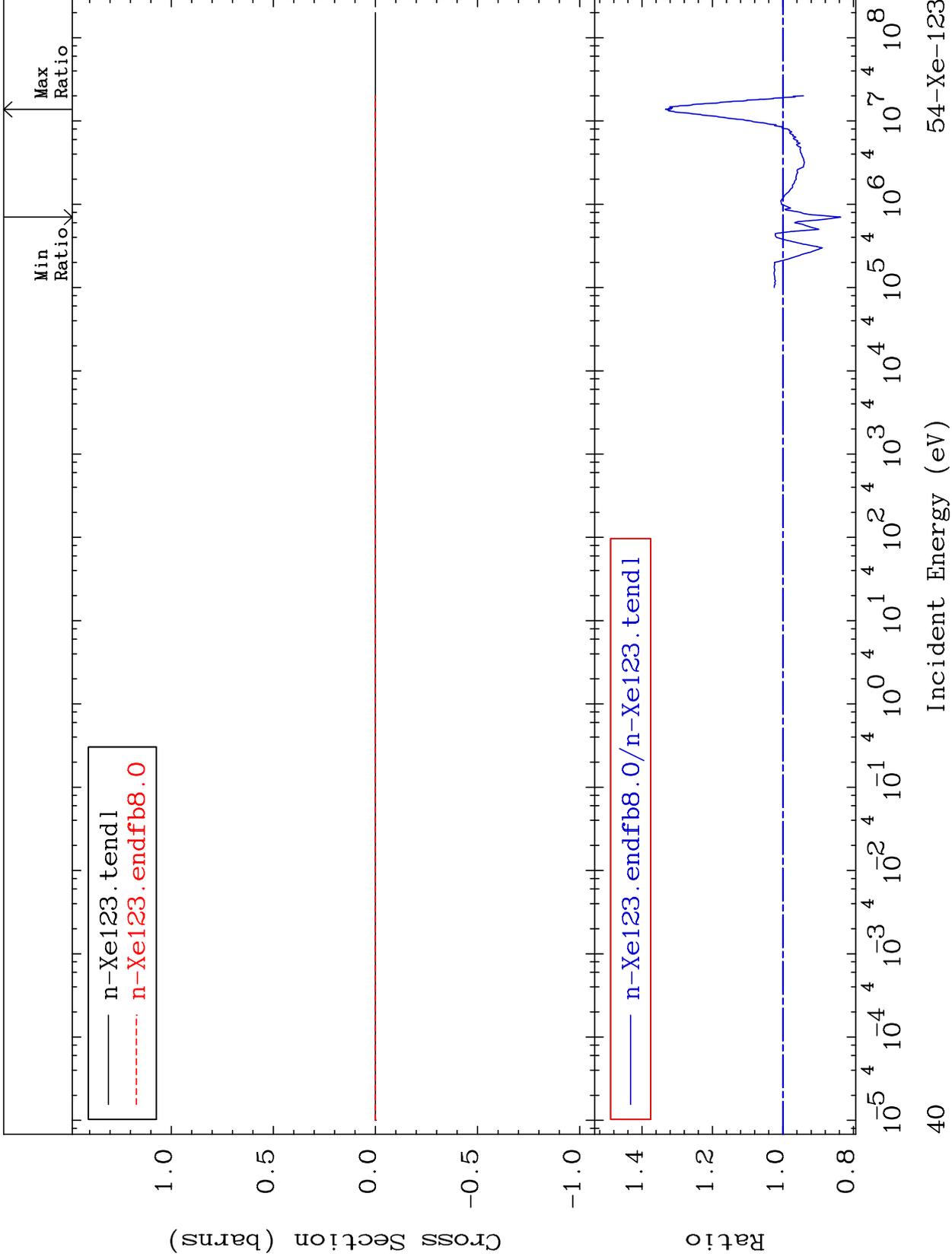
Incident Energy (eV)

54-Xe-123

MAT 5422

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

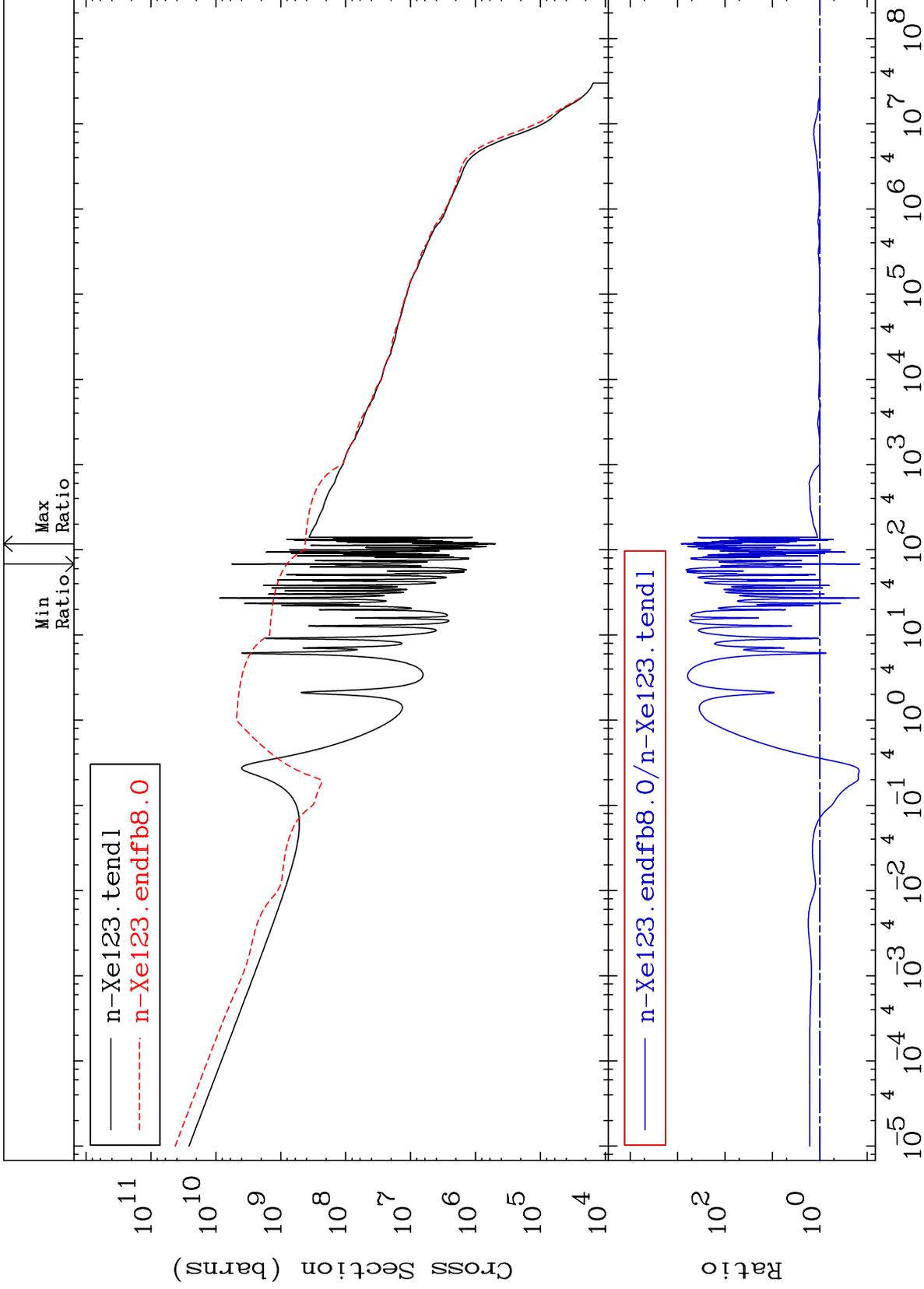
54-Xe-123  
-16.43 To 33.31 %



MAT 5422

Kerma capture (mt102)  
Cross Section

54-Xe-123  
-85.89 To 9999. %



41

Incident Energy (eV)

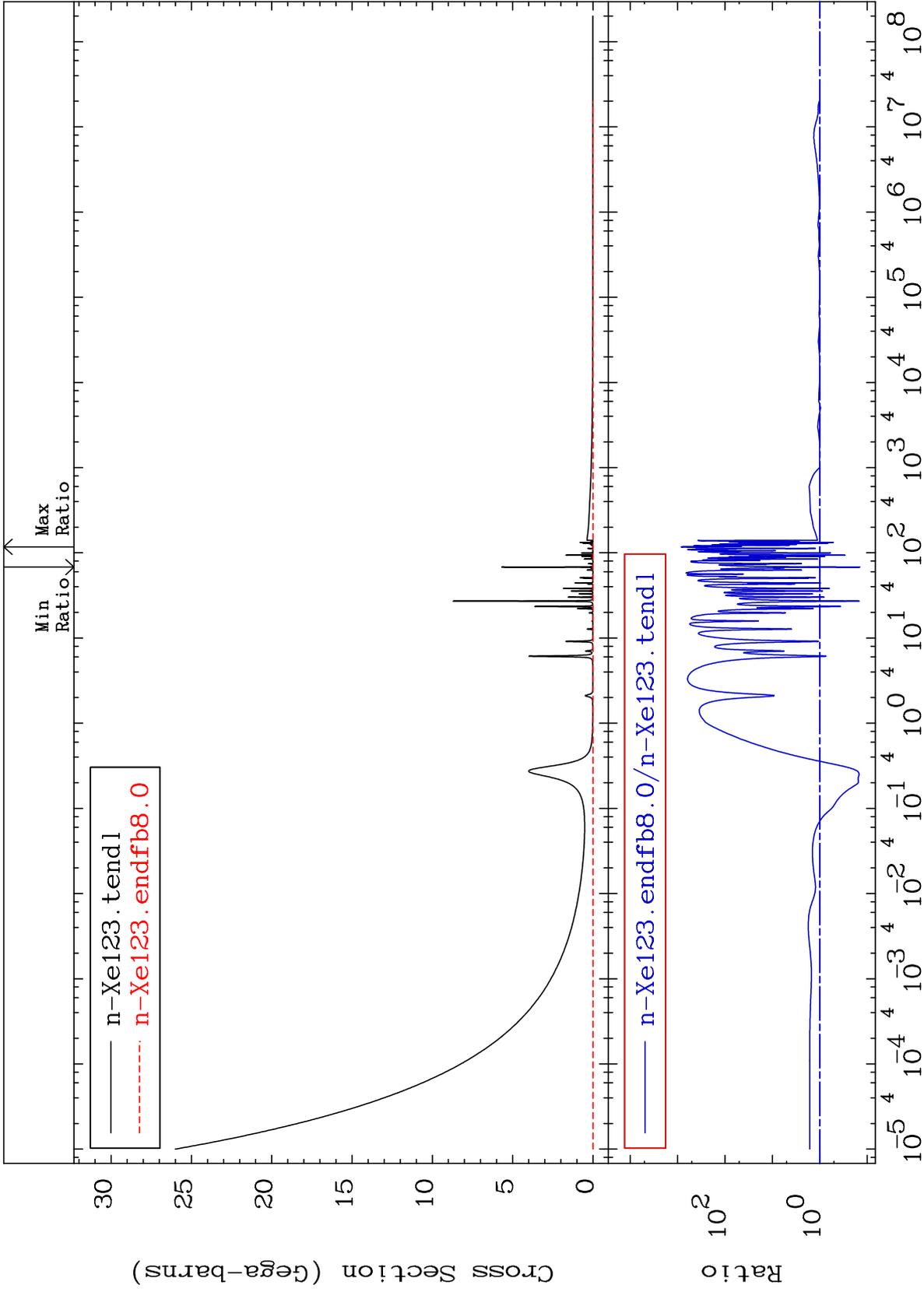
54-Xe-123

MAT 5422

Total photon (eV-barns)  
Cross Section

54-Xe-123

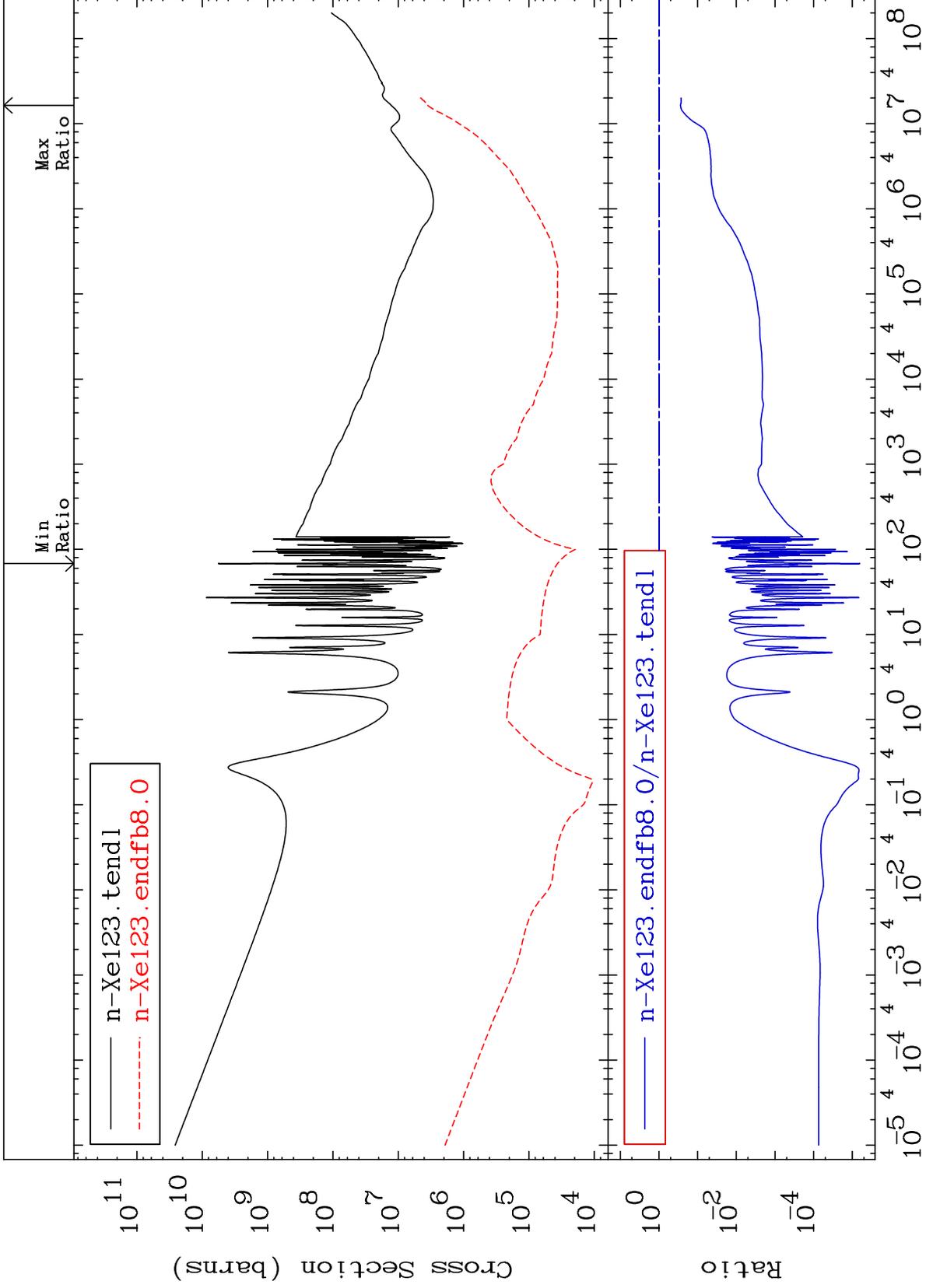
-85.89 To 9999. %



MAT 5422

Total kinematic kerma (high limit)  
Cross Section

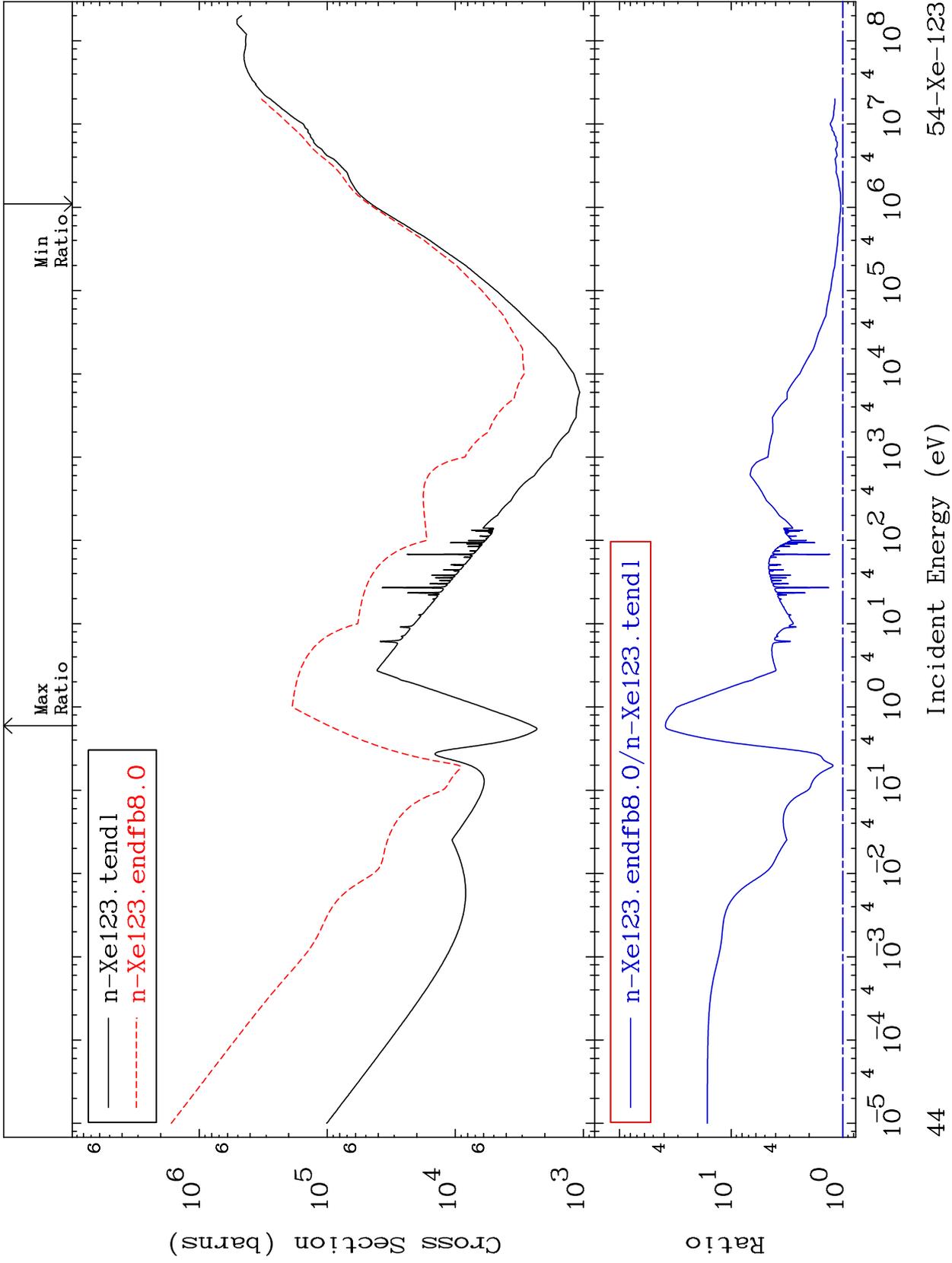
54-Xe-123  
-100.0 To -72.32%



MAT 5422

Dpa total (eV-barns)  
Cross Section

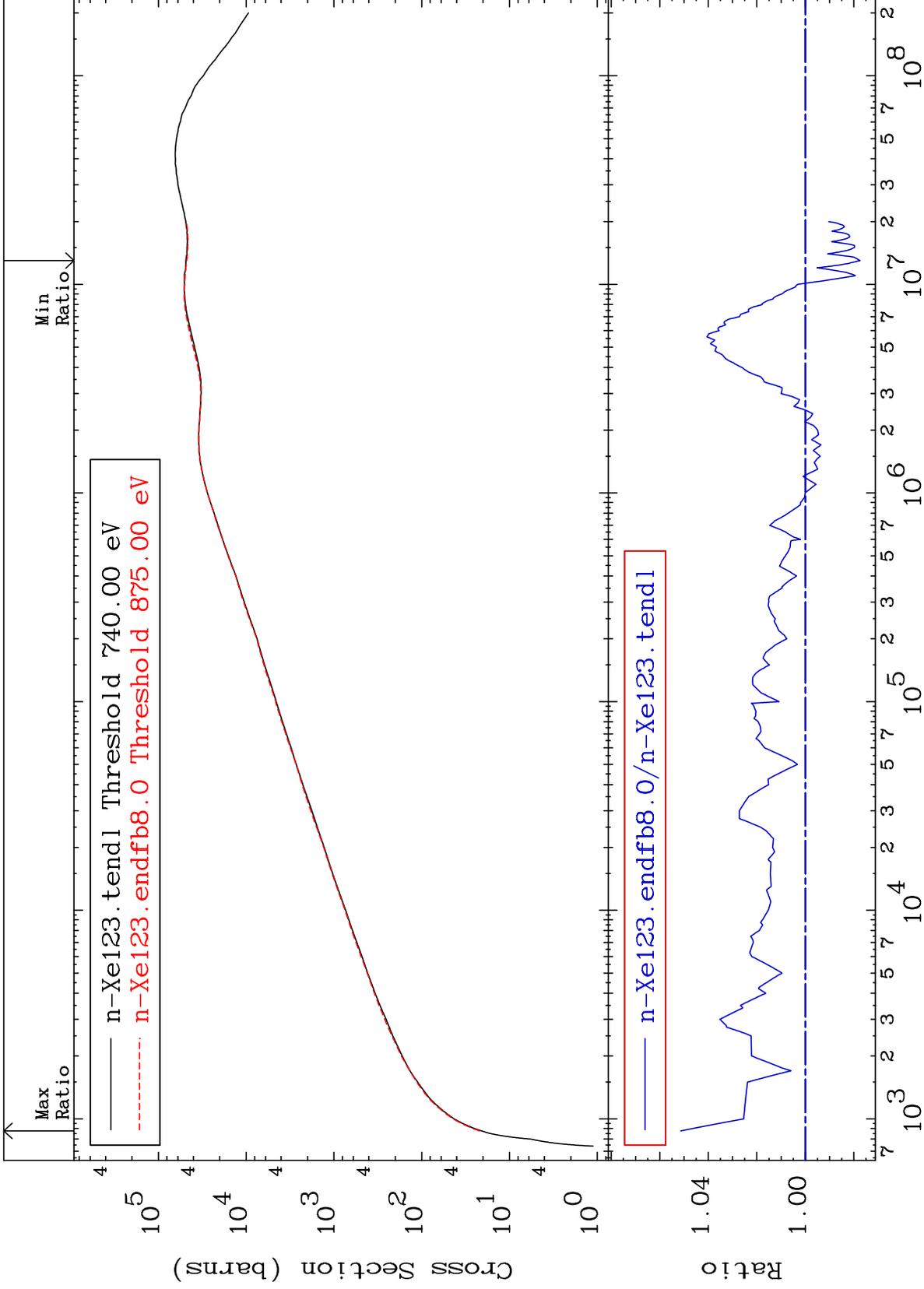
54-Xe-123  
4.258 To 3779. %



MAT 5422

Dpa elastic (mt2)  
Cross Section

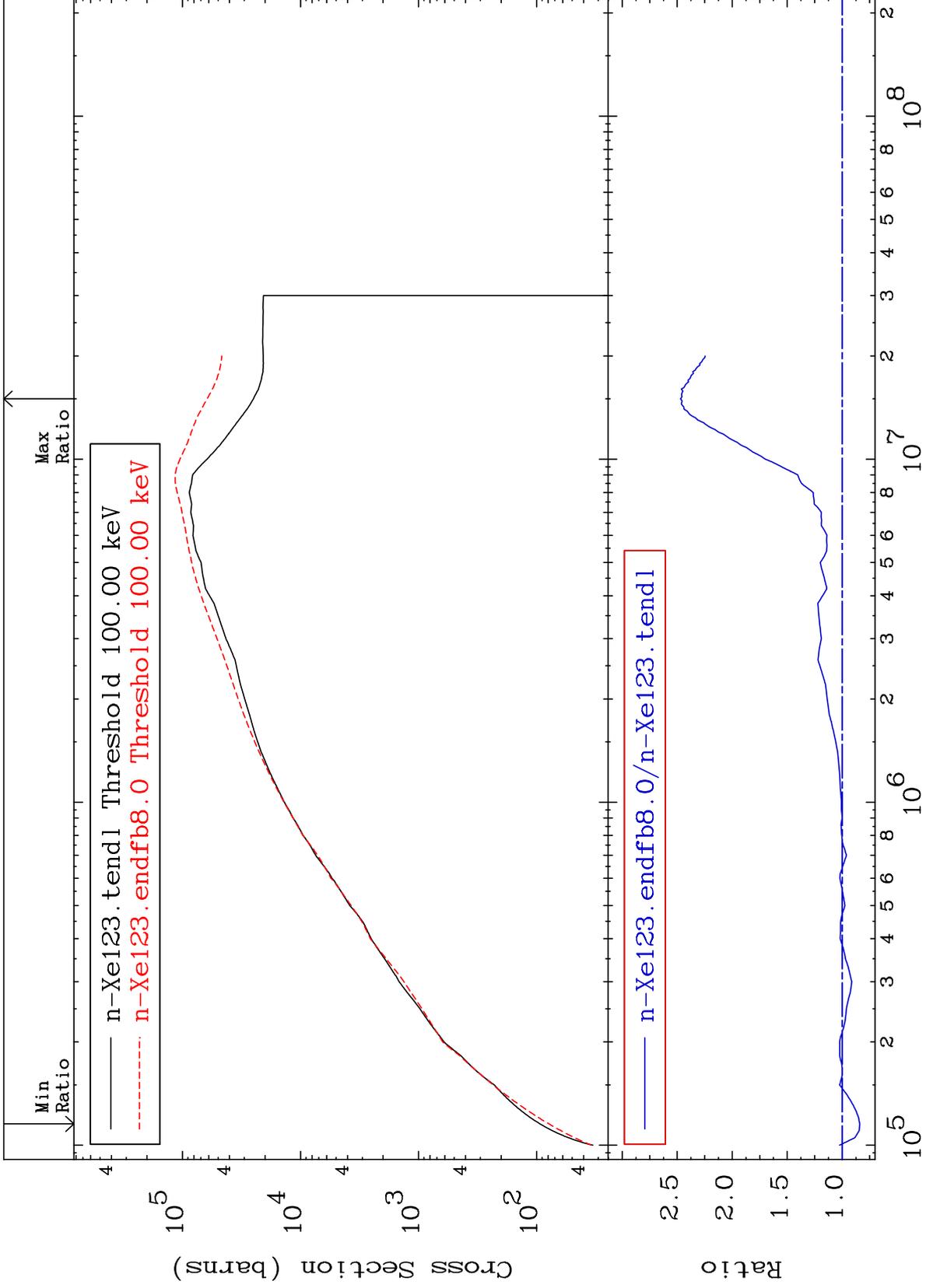
54-Xe-123  
-2.257 To 5.135 %



MAT 5422

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-123  
-15.99 To 147.0 %



46

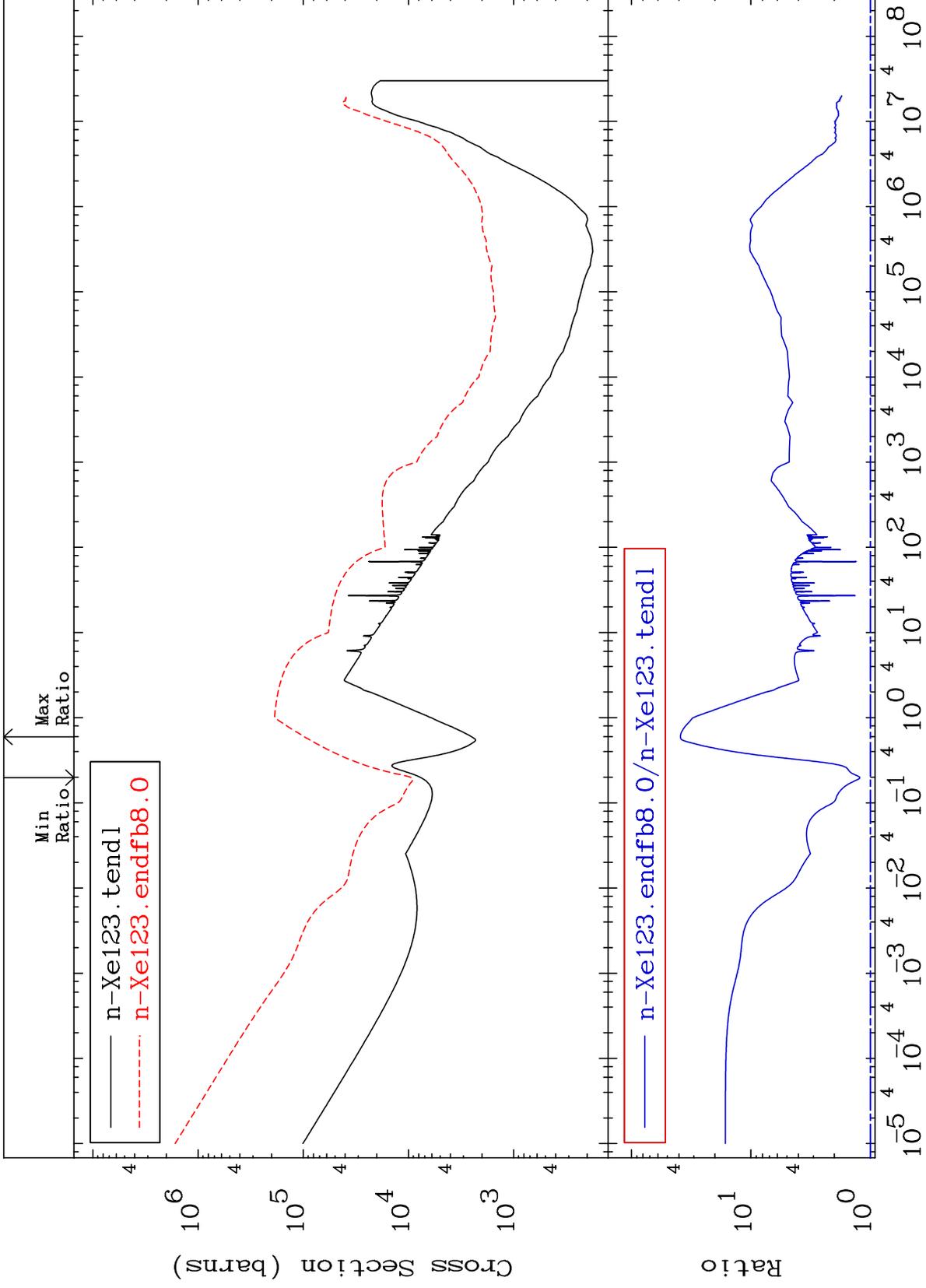
54-Xe-123

54-Xe-123

MAT 5422

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-123  
22.57 To 3779. %



47

Incident Energy (eV)

54-Xe-123