

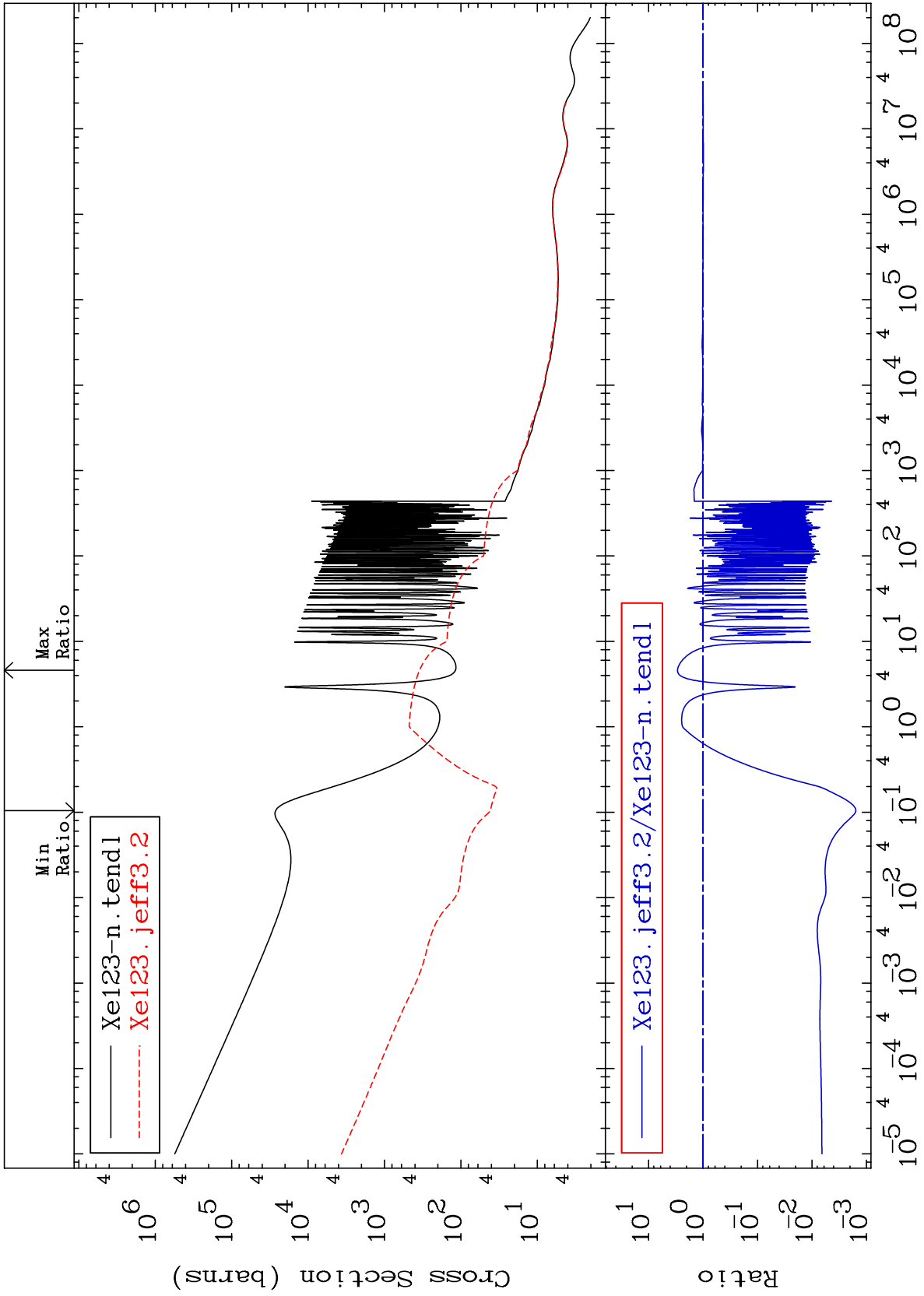
MAT 5422

Total

54-Xe-123

Cross Section

-99.84 To 194.5 %

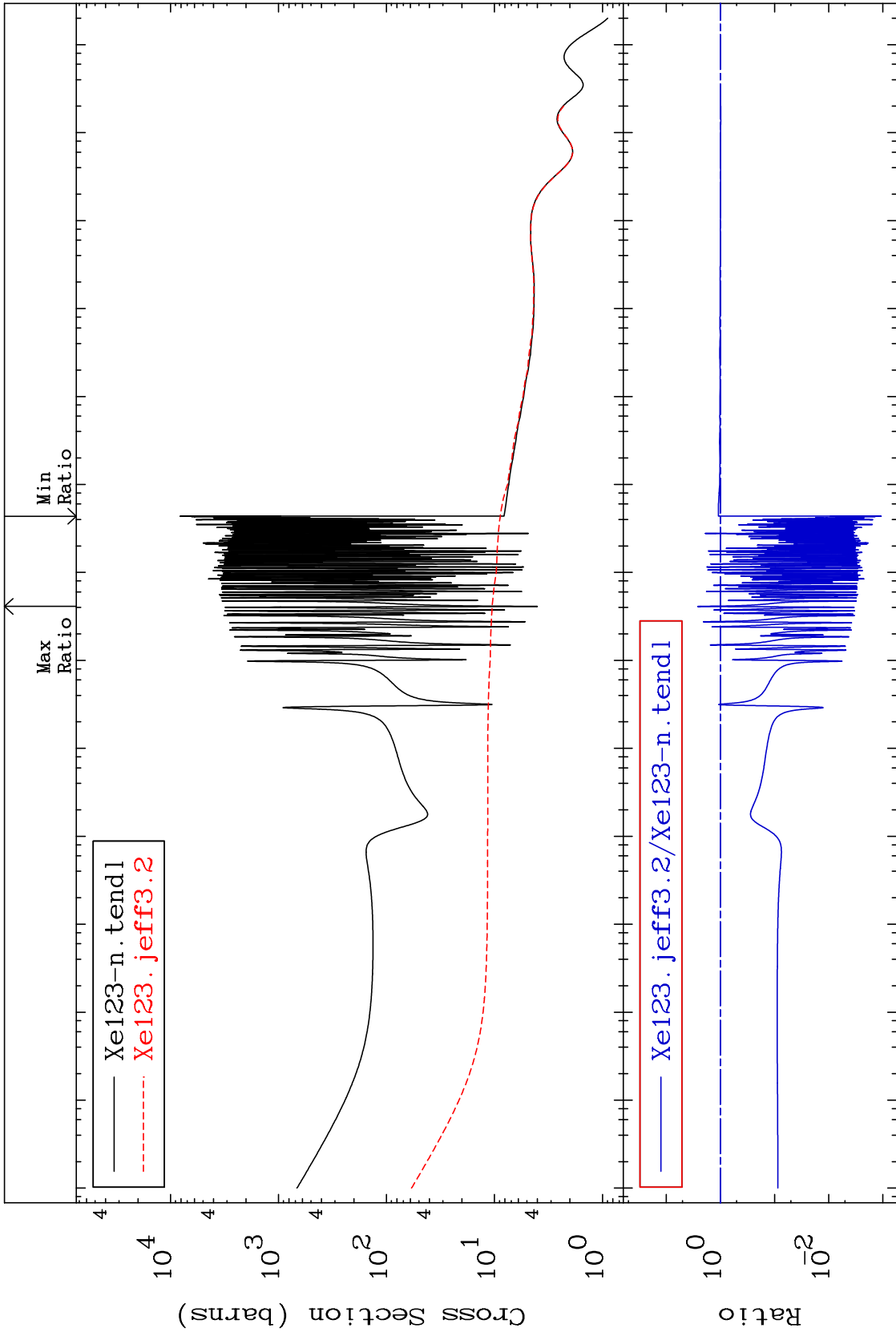


54-Xe-123

MAT 5422

Elastic Cross Section

54-Xe-123  
-99.89 To 164.3 %



Incident Energy (eV)

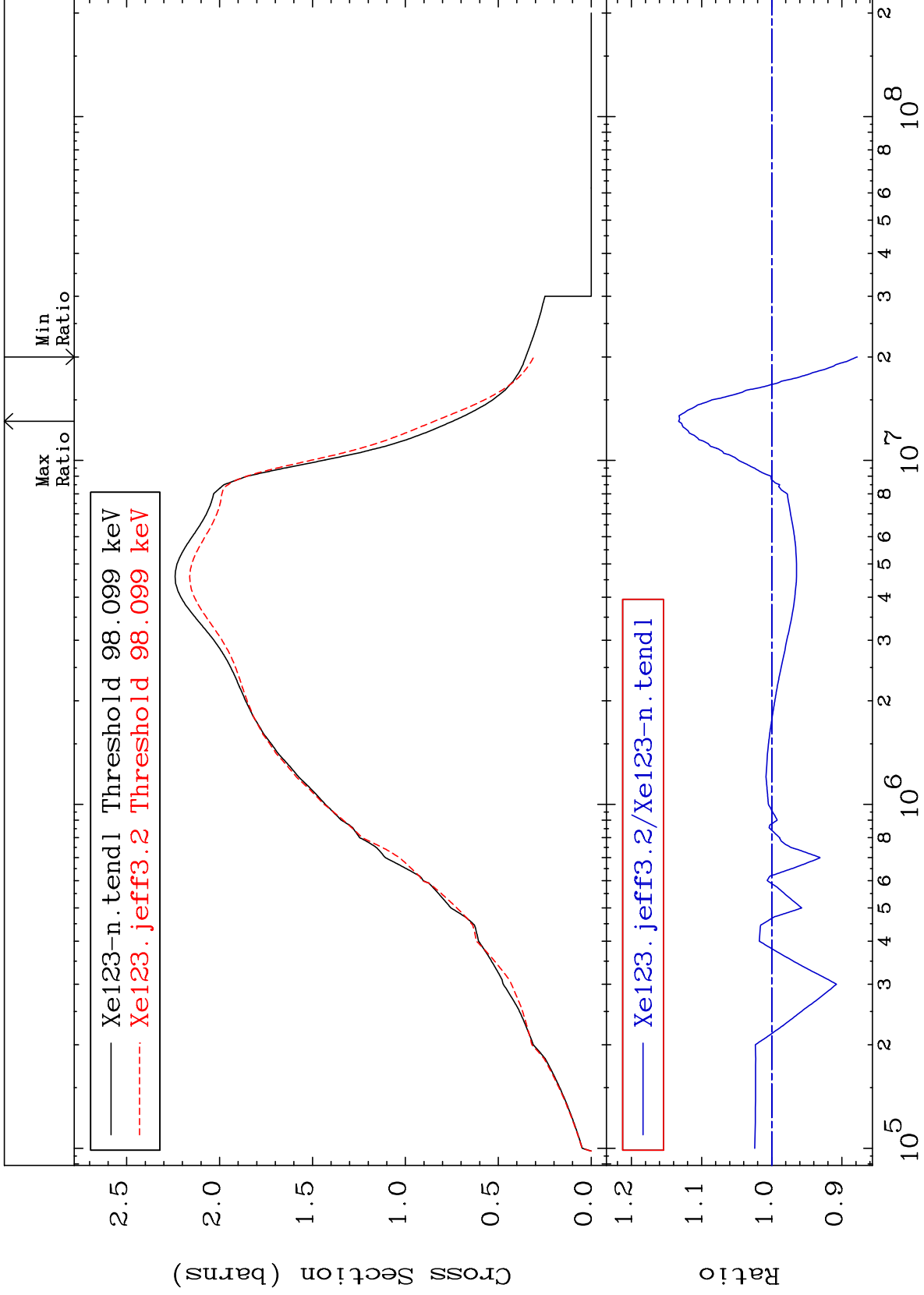
54-Xe-123

2

MAT 5422

Inelastic  
Cross Section

54-Xe-123  
-12.19 To 13.27 %



Incident Energy (eV)

54-Xe-123

3

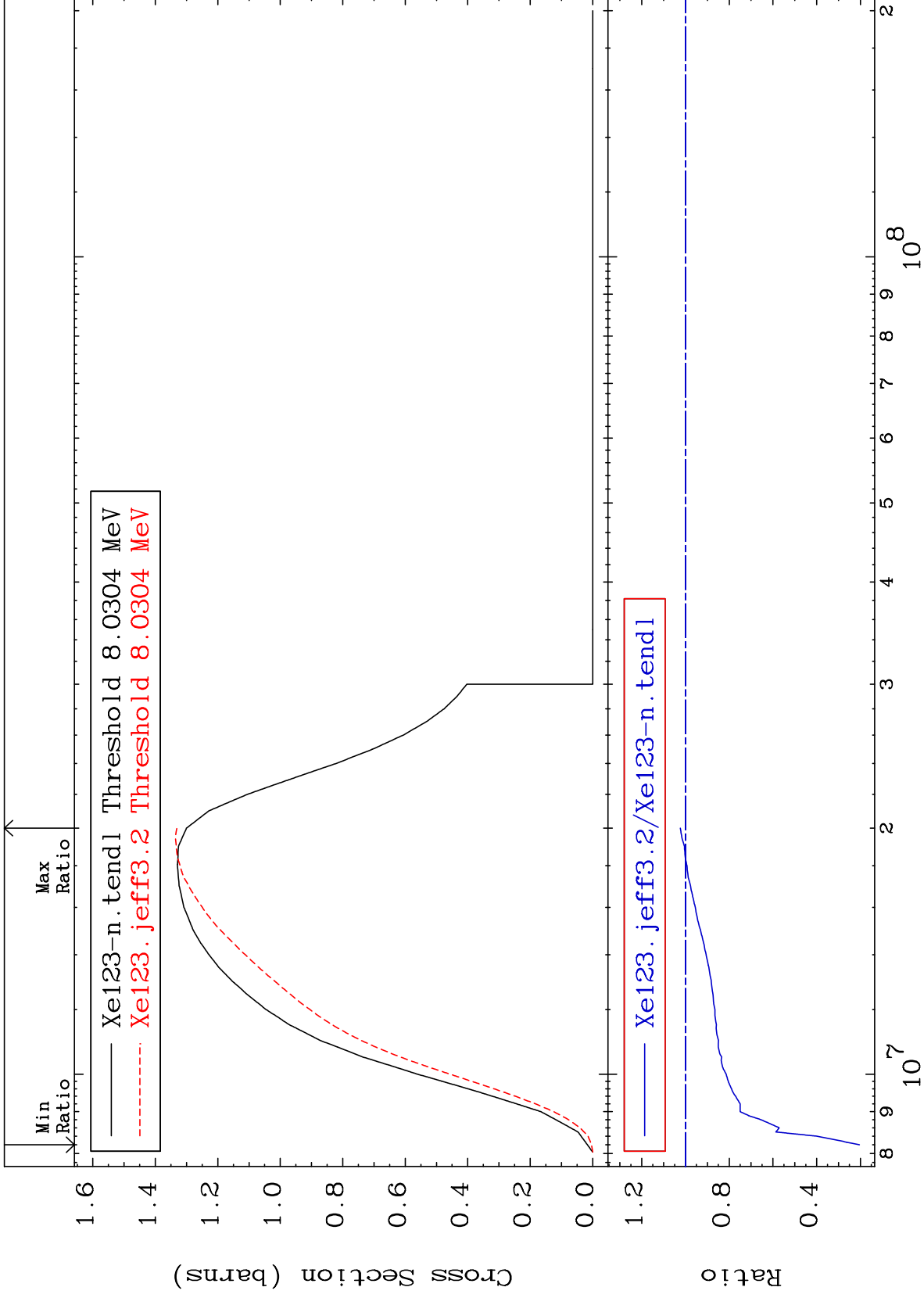
MAT 5422

(n,2n)

54-Xe-123

Cross Section

-79.56 To 2.362 %



4

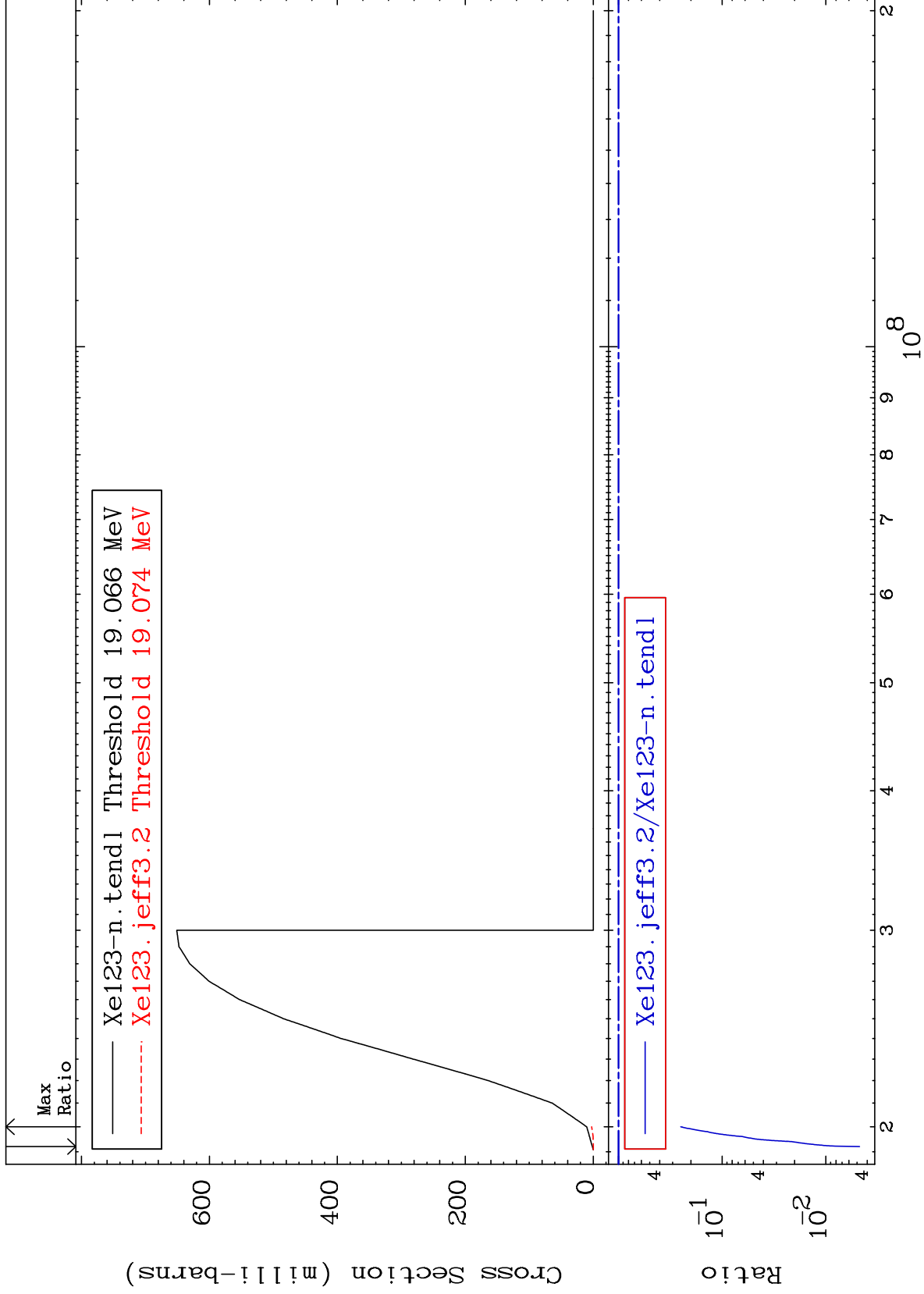
Incident Energy (eV)

54-Xe-123

MAT 5422

(n,3n)  
Cross Section

54-Xe-123  
-99.53 To -74.96%



5

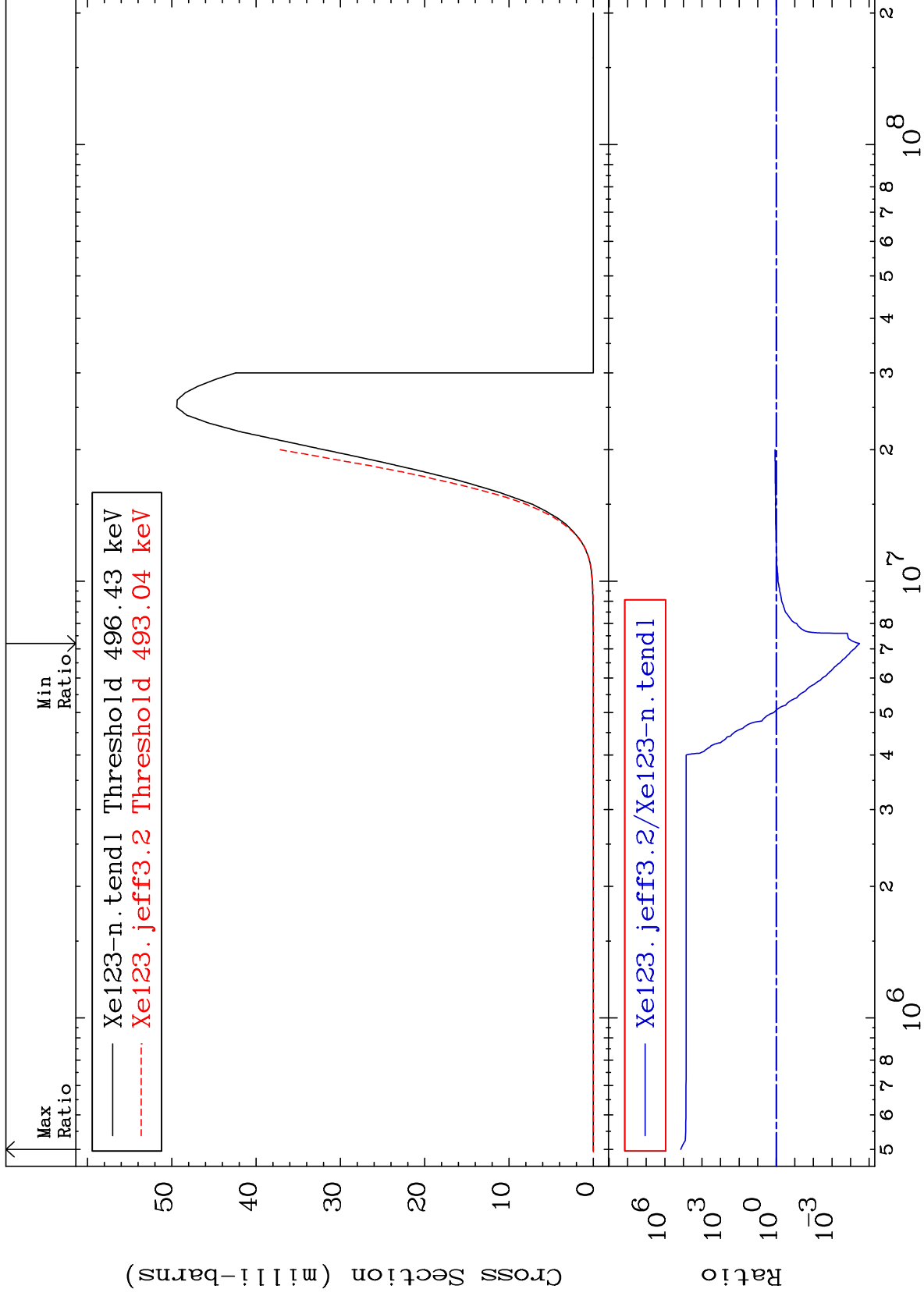
Incident Energy (eV)

54-Xe-123

MAT 5422

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

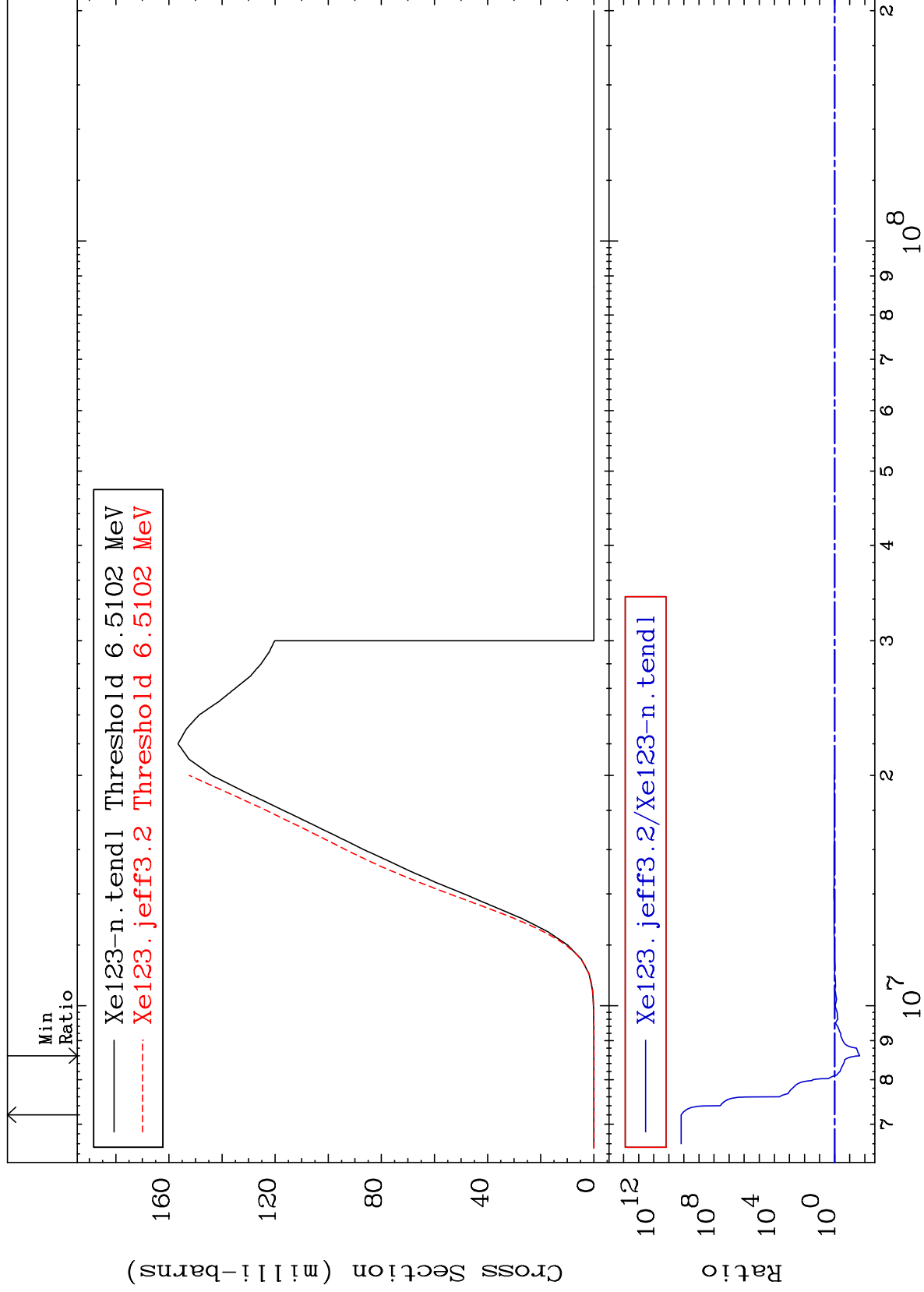
54-Xe-123  
-100.0 To 9999. %

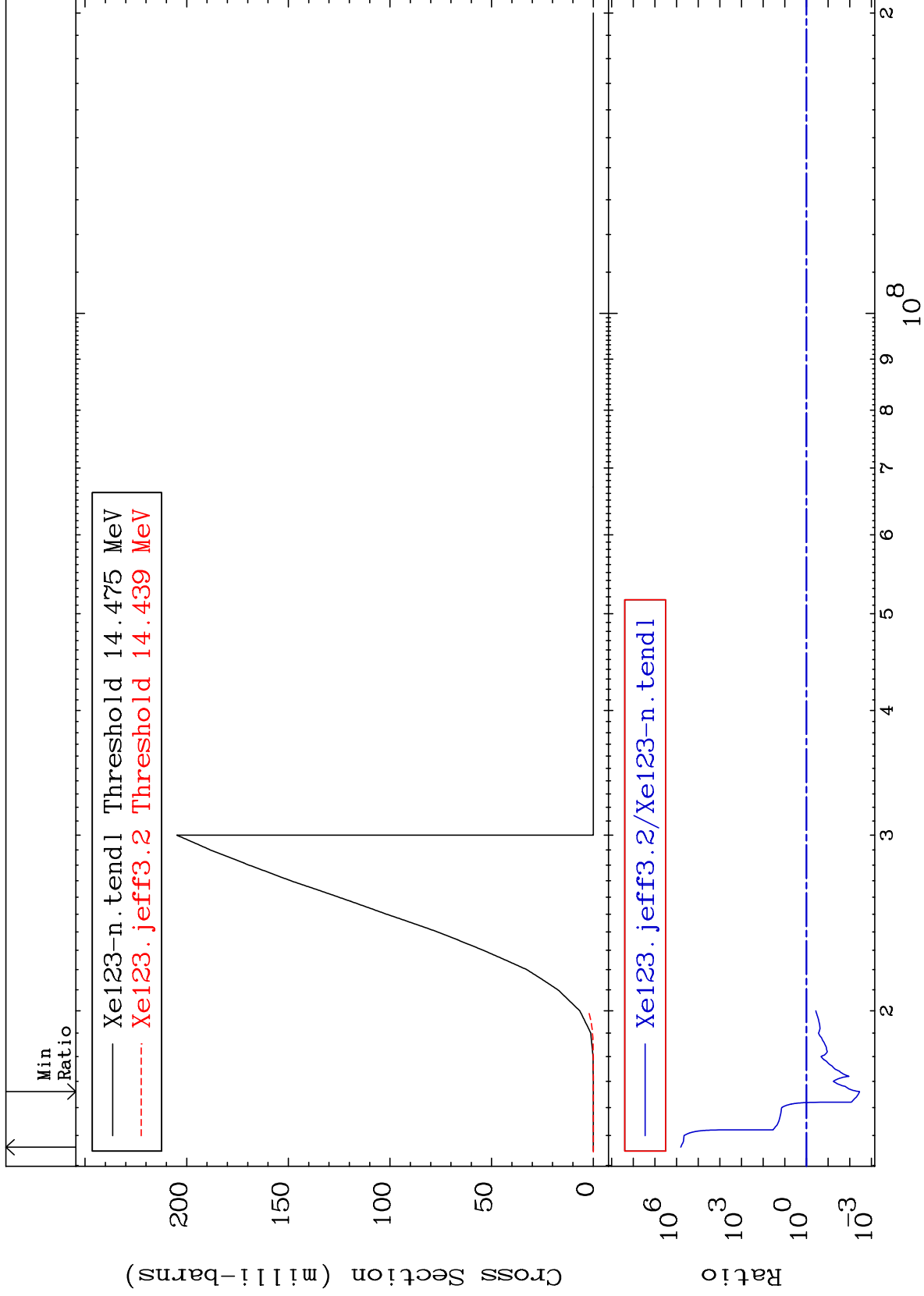


MAT 5422

(n, n') p  
Cross Section

54-Xe-123  
-97.80 To 9999. %



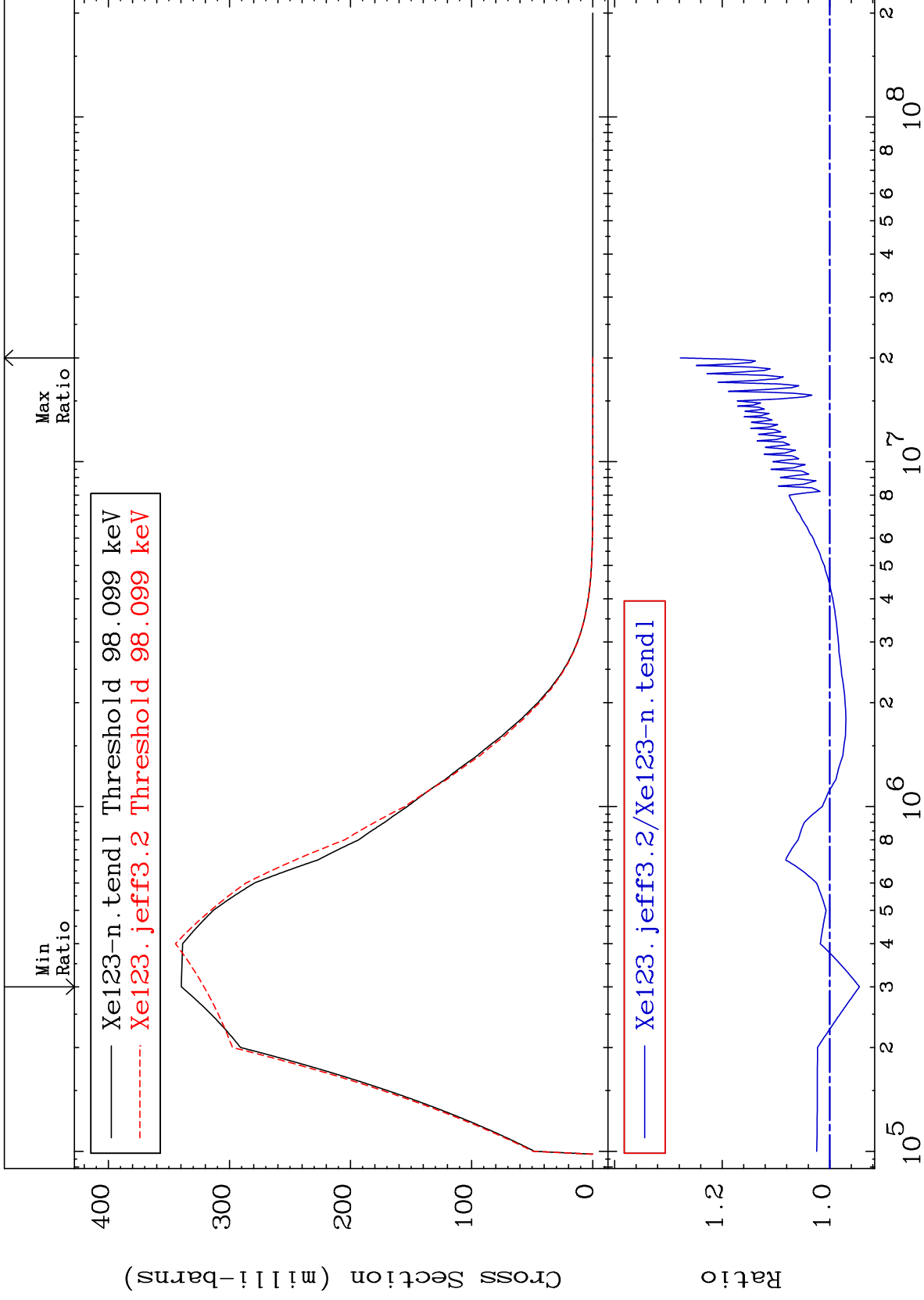




MAT 5422

97.30 keV (n,n') Level  
Cross Section

54-Xe-123  
-5.517 To 27.78 %



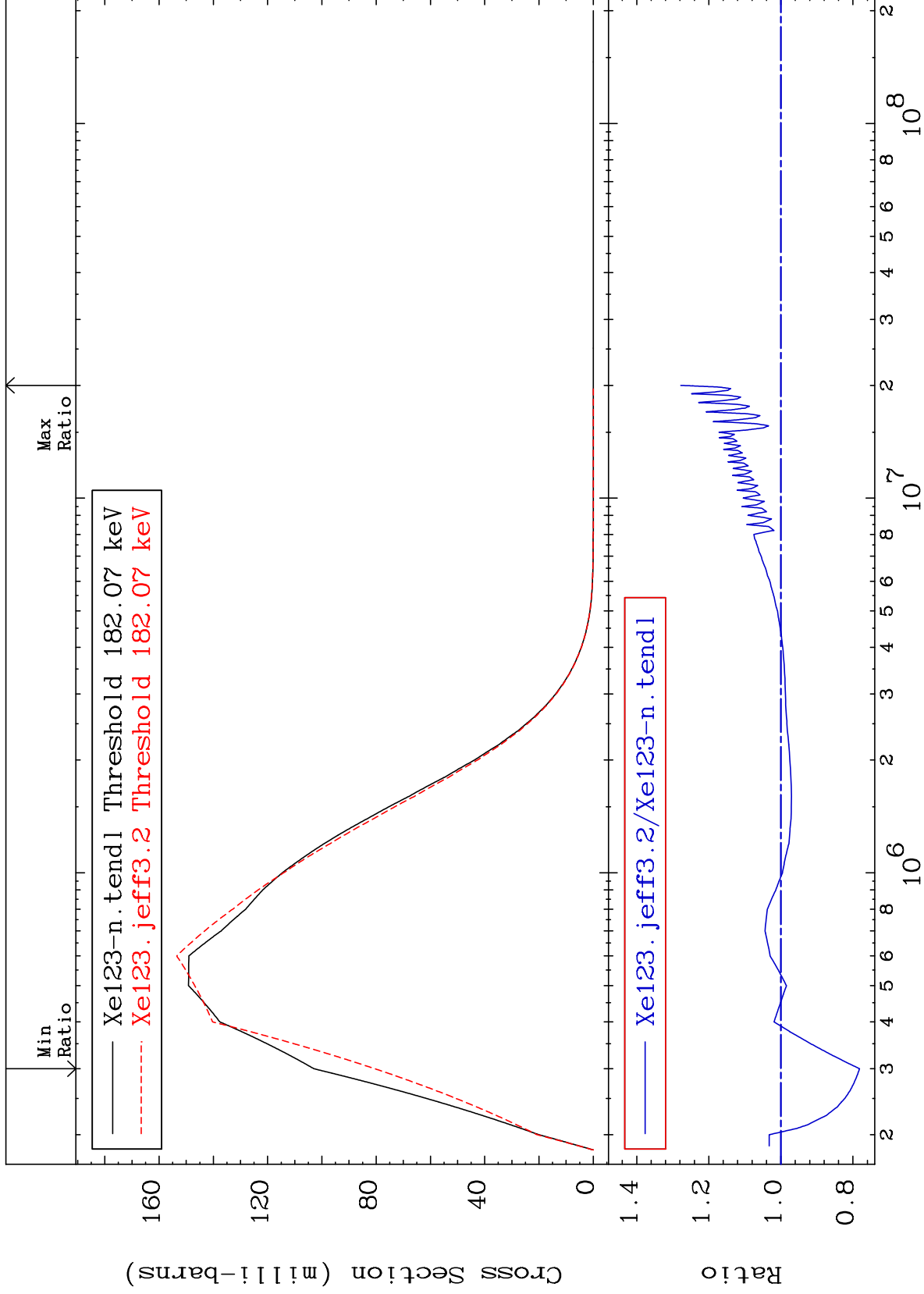
MAT 5422

180.6 keV (n,n') Level

54-Xe-123

-21.83 To 27.78 %

Cross Section



10

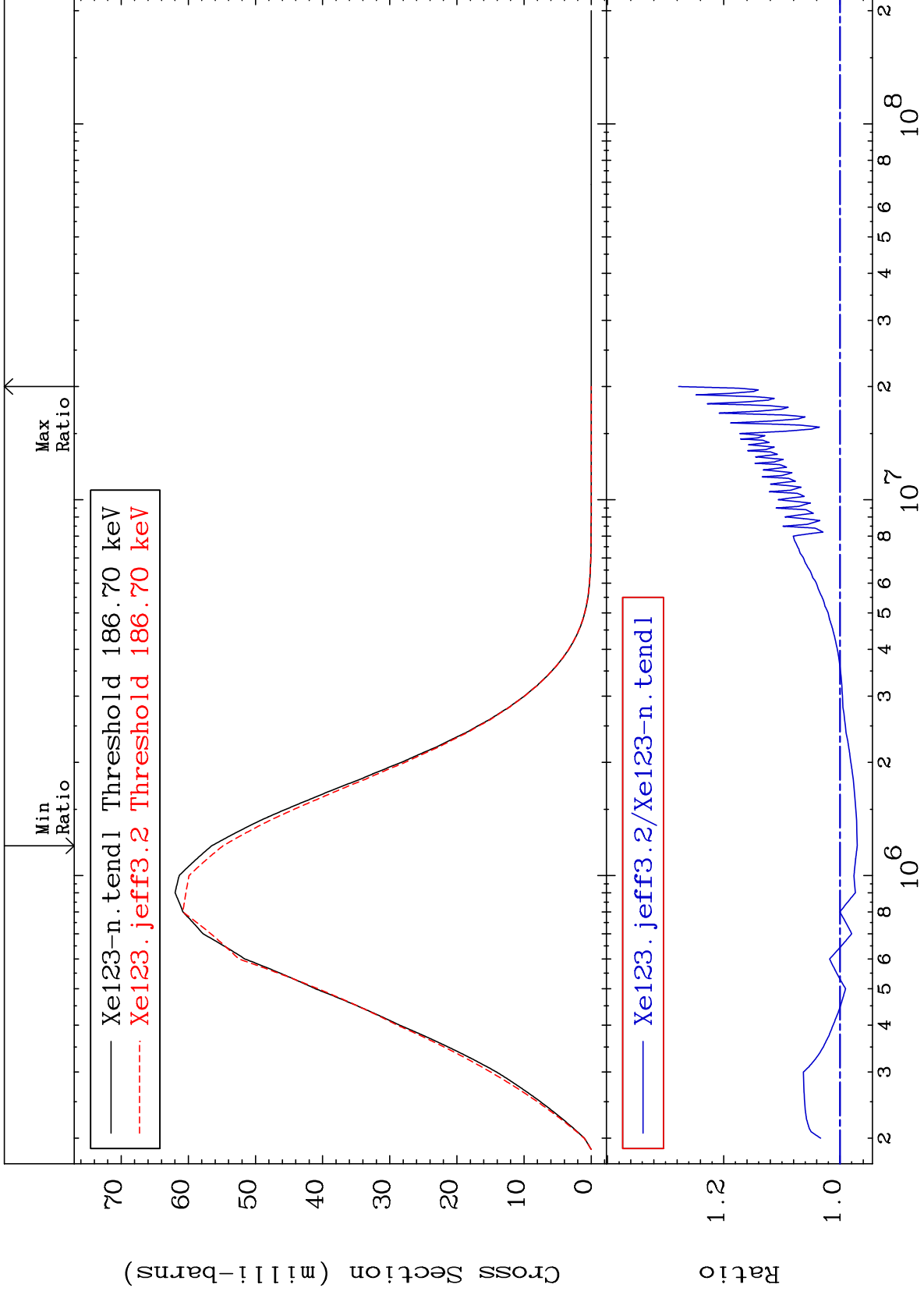
54-Xe-123

54-Xe-123

MAT 5422

185.2 keV (n,n') Level  
Cross Section

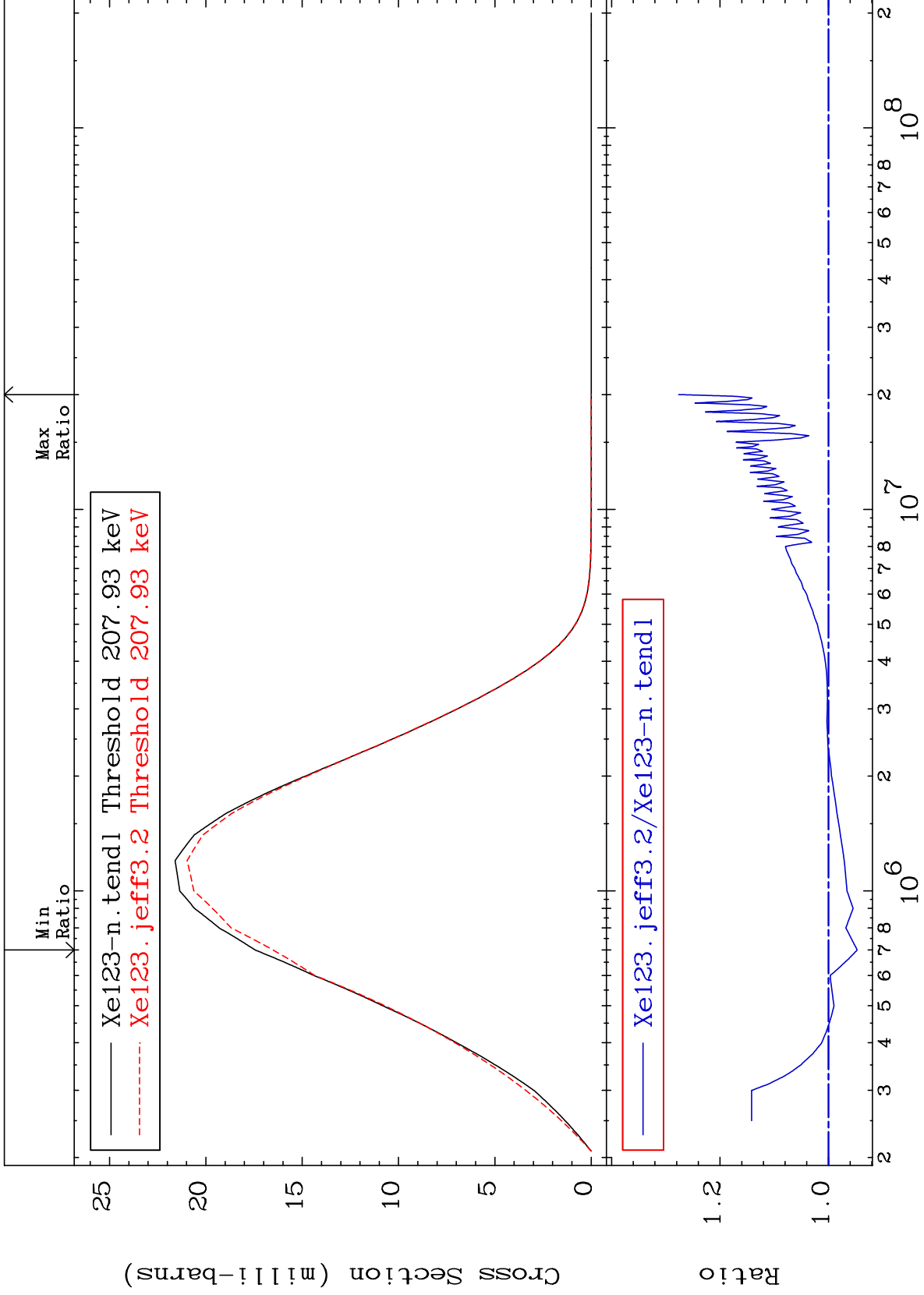
54-Xe-123  
-2.958 To 27.75 %



MAT 5422

206.2 keV (n,n') Level  
Cross Section

54-Xe-123  
-5.305 To 27.63 %



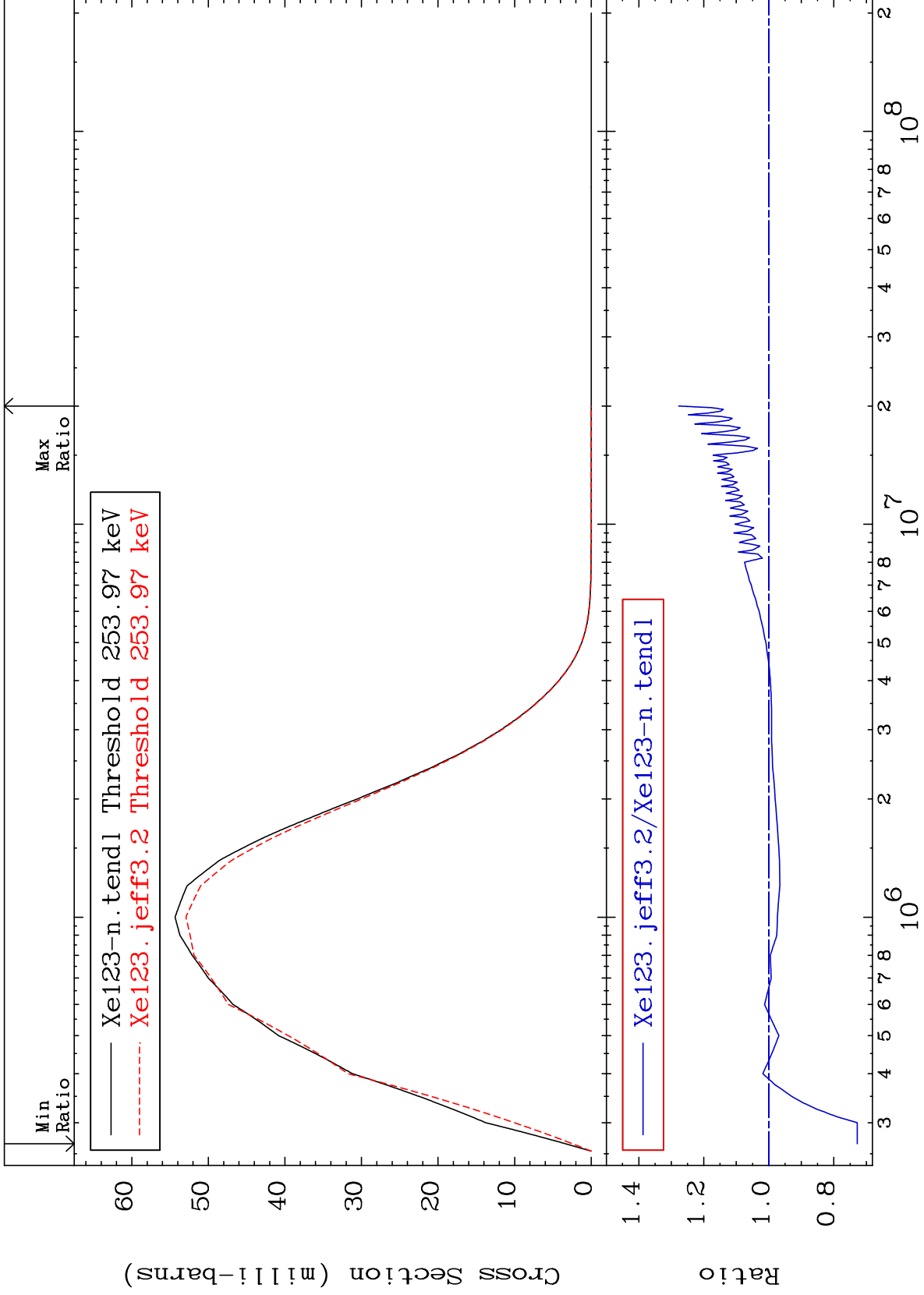
12

54-Xe-123

MAT 5422

251.9 keV (n,n') Level  
Cross Section

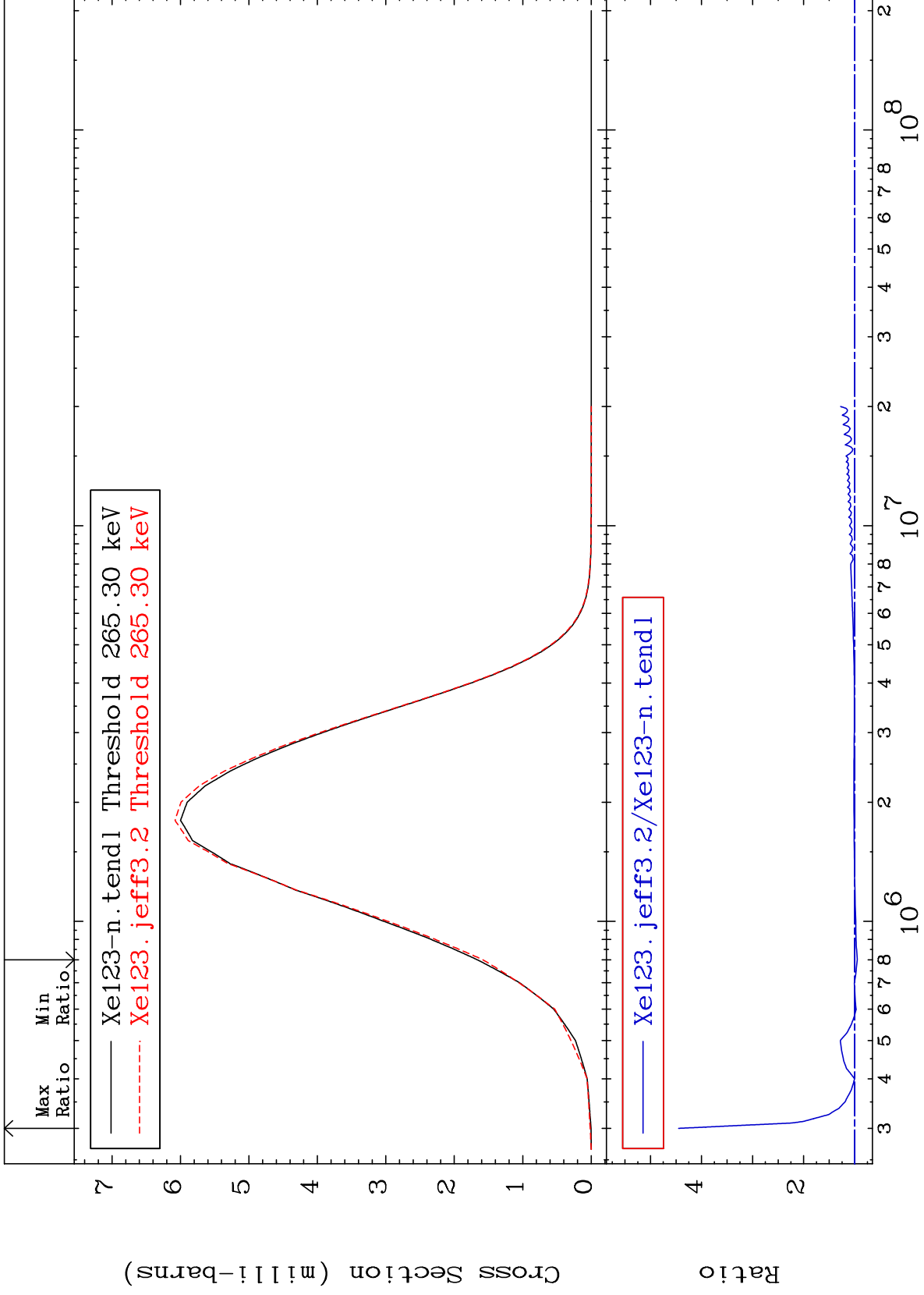
54-Xe-123  
-27.20 To 27.74 %



MAT 5422

263.1 keV (n,n') Level  
Cross Section

54-Xe-123  
-4.923 To 344.9 %



14

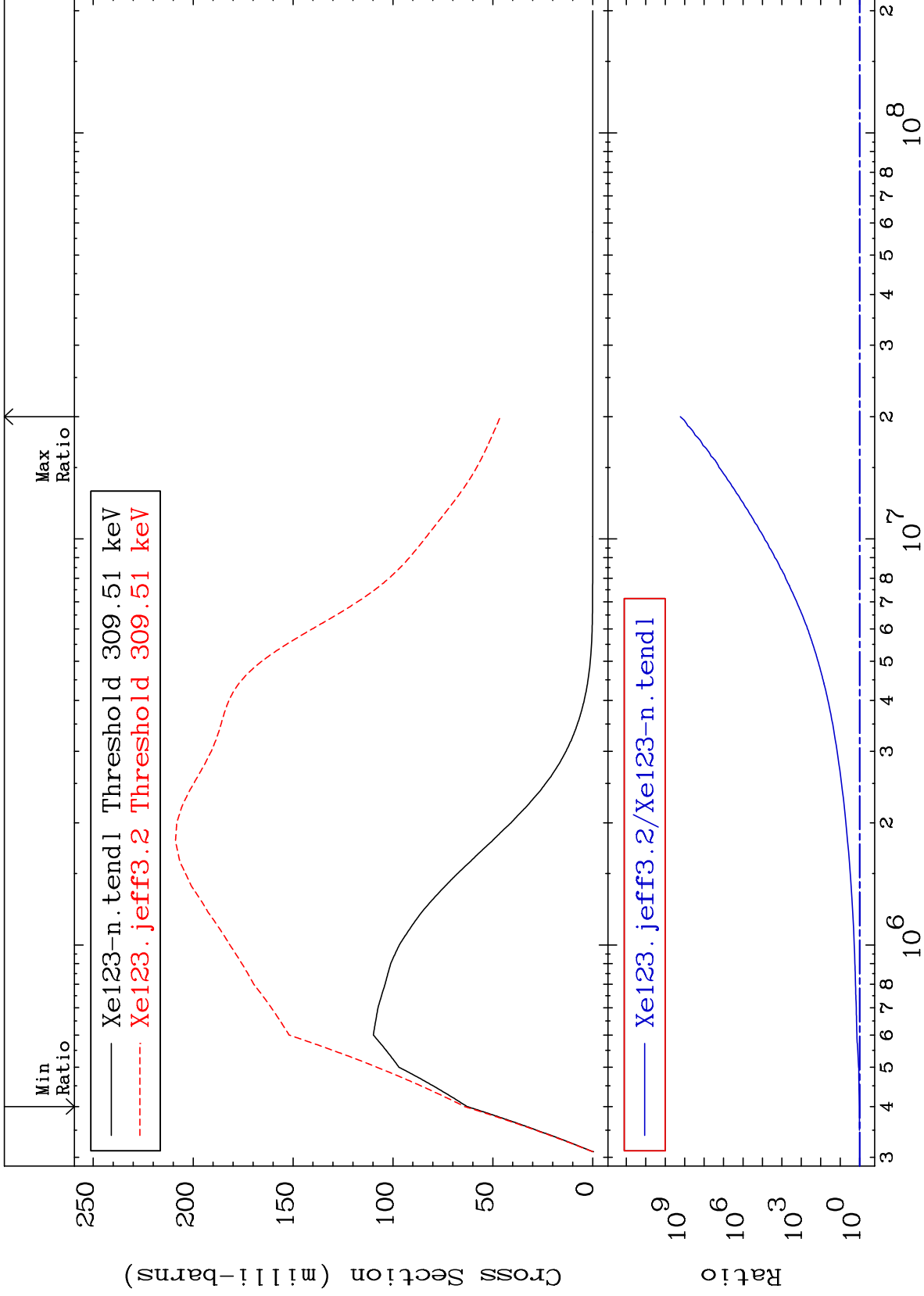
Incident Energy (eV)

54-Xe-123

MAT 5422

307.0 keV (n,n') Level  
Cross Section

54-Xe-123  
1.954 To 9999. %



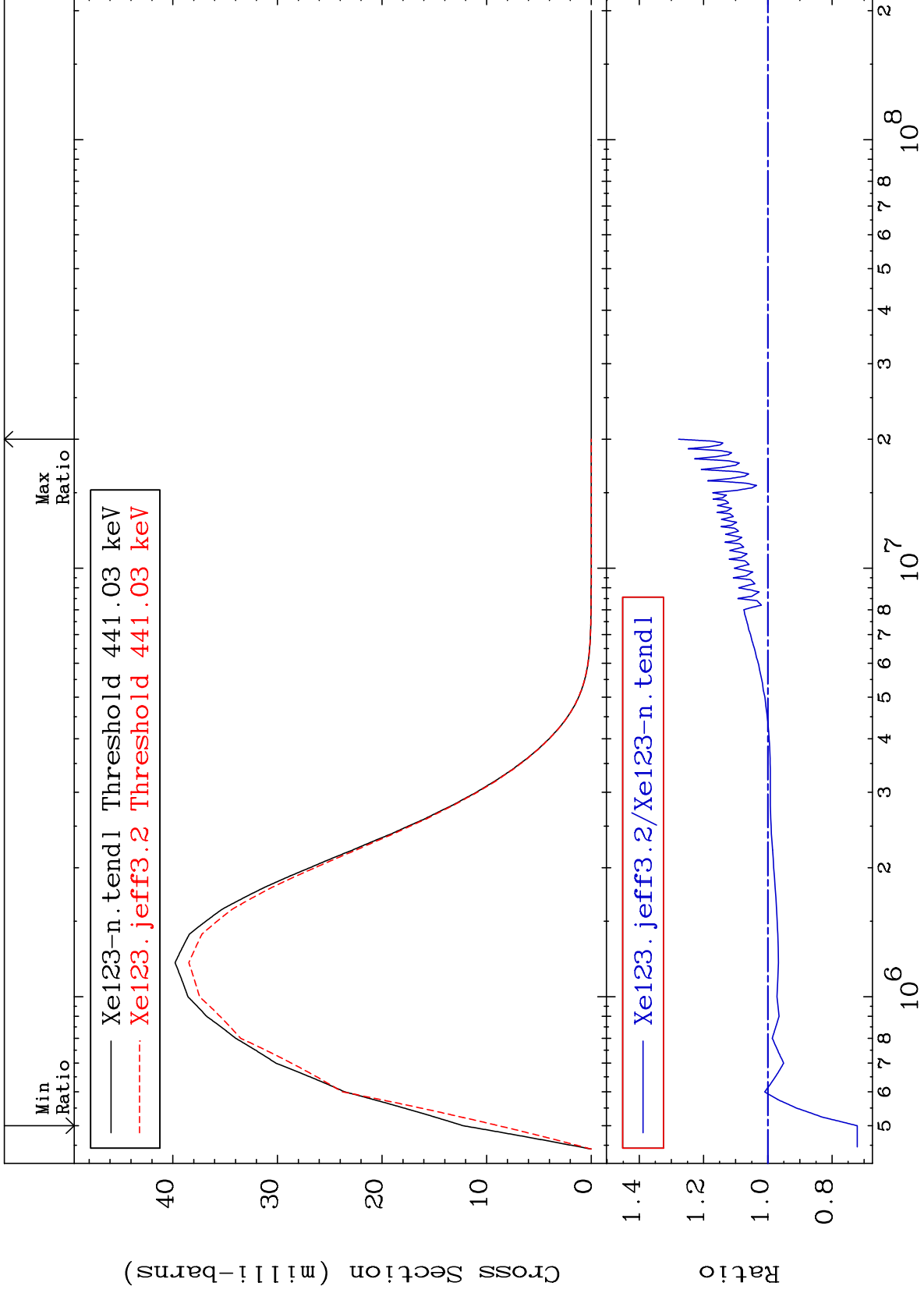
15

54-Xe-123

MAT 5422

437.4 keV (n,n') Level  
Cross Section

54-Xe-123  
-27.85 To 27.74 %



16

54-Xe-123



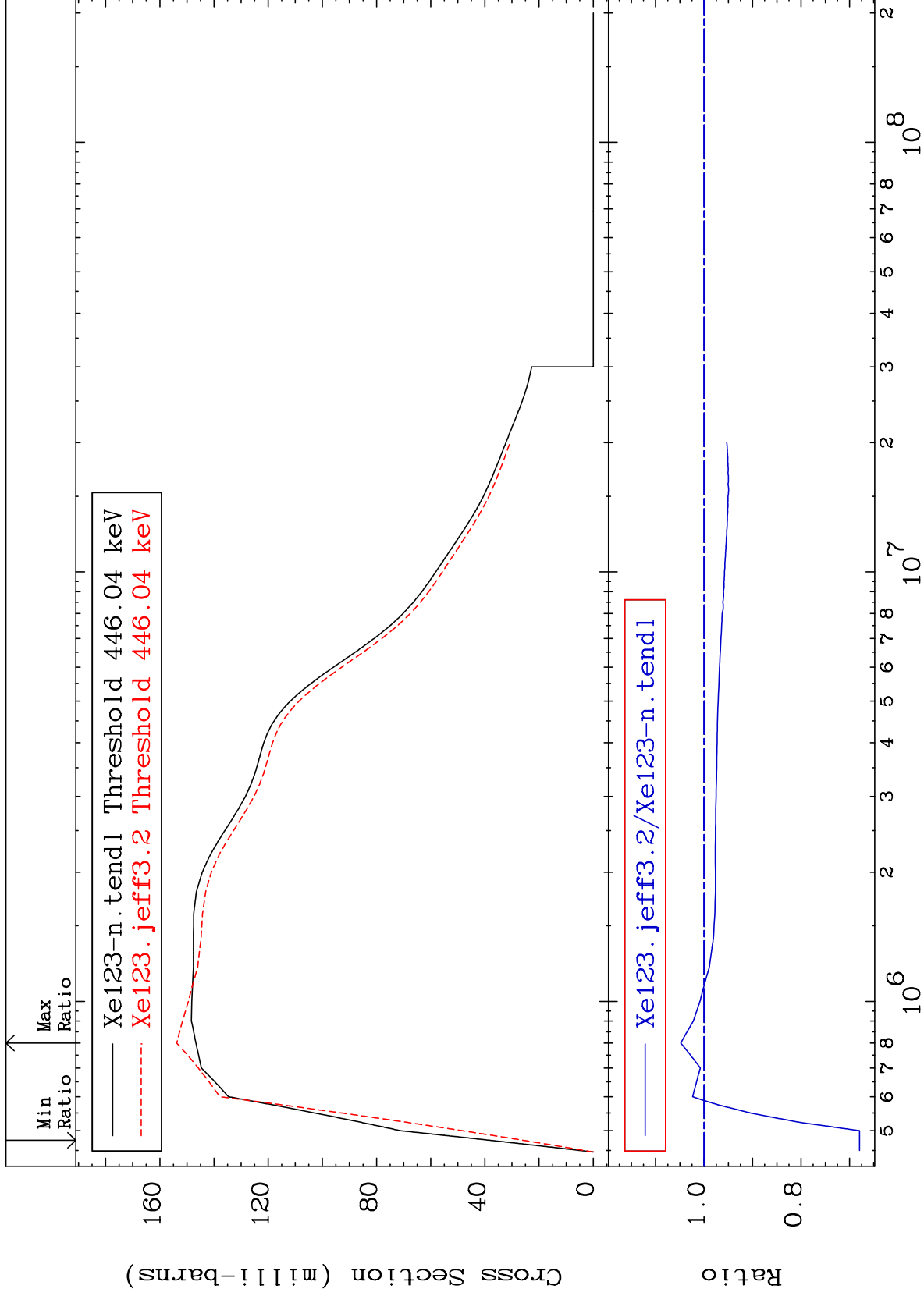
MAT 5422

442.4 keV (n,n') Level

54-Xe-123

-32.06 To 4.815 %

Cross Section



17

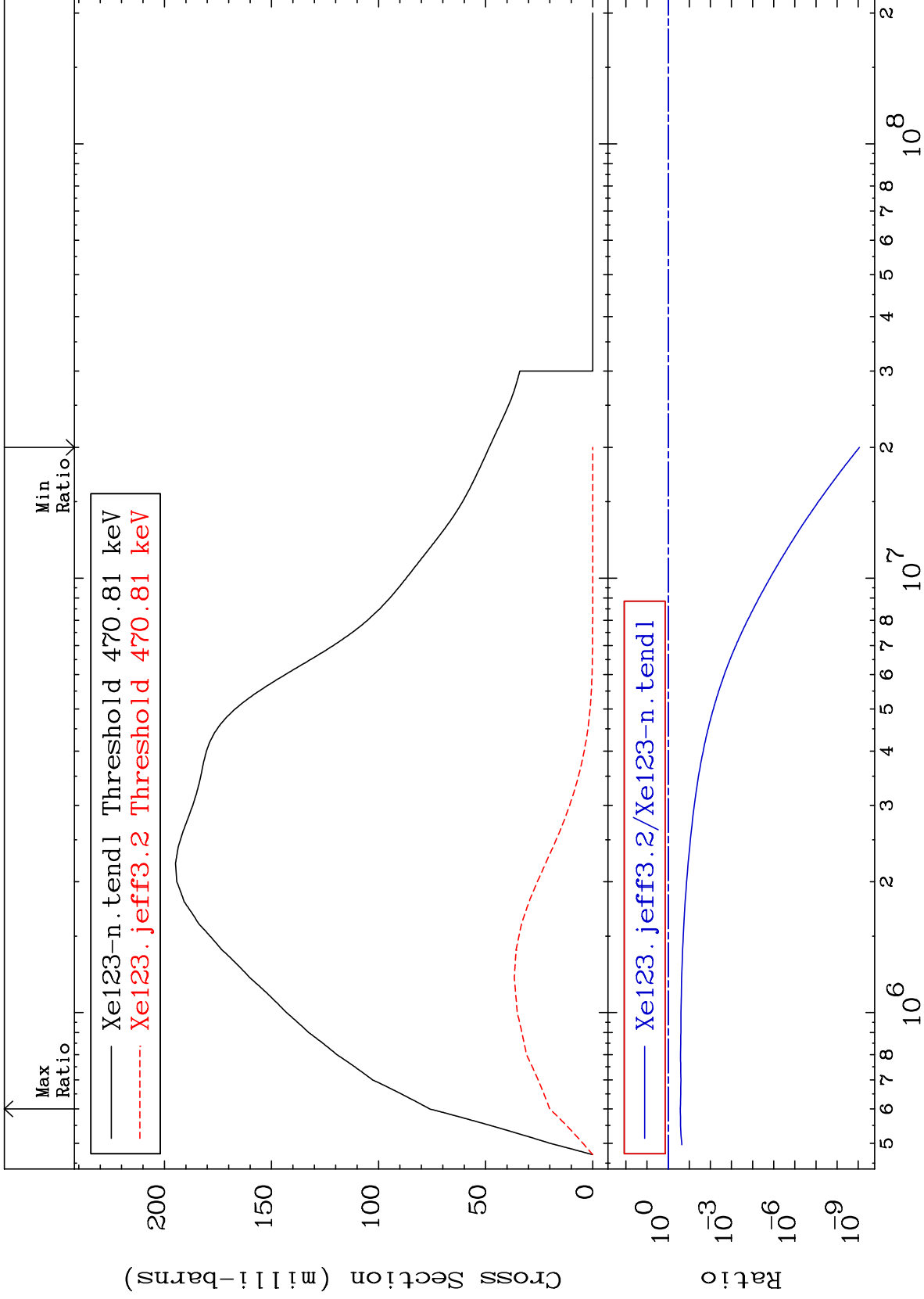
Incident Energy (eV)

54-Xe-123

MAT 5422

467.0 keV (n,n') Level  
Cross Section

54-Xe-123  
-100.0 To -73.62%



18

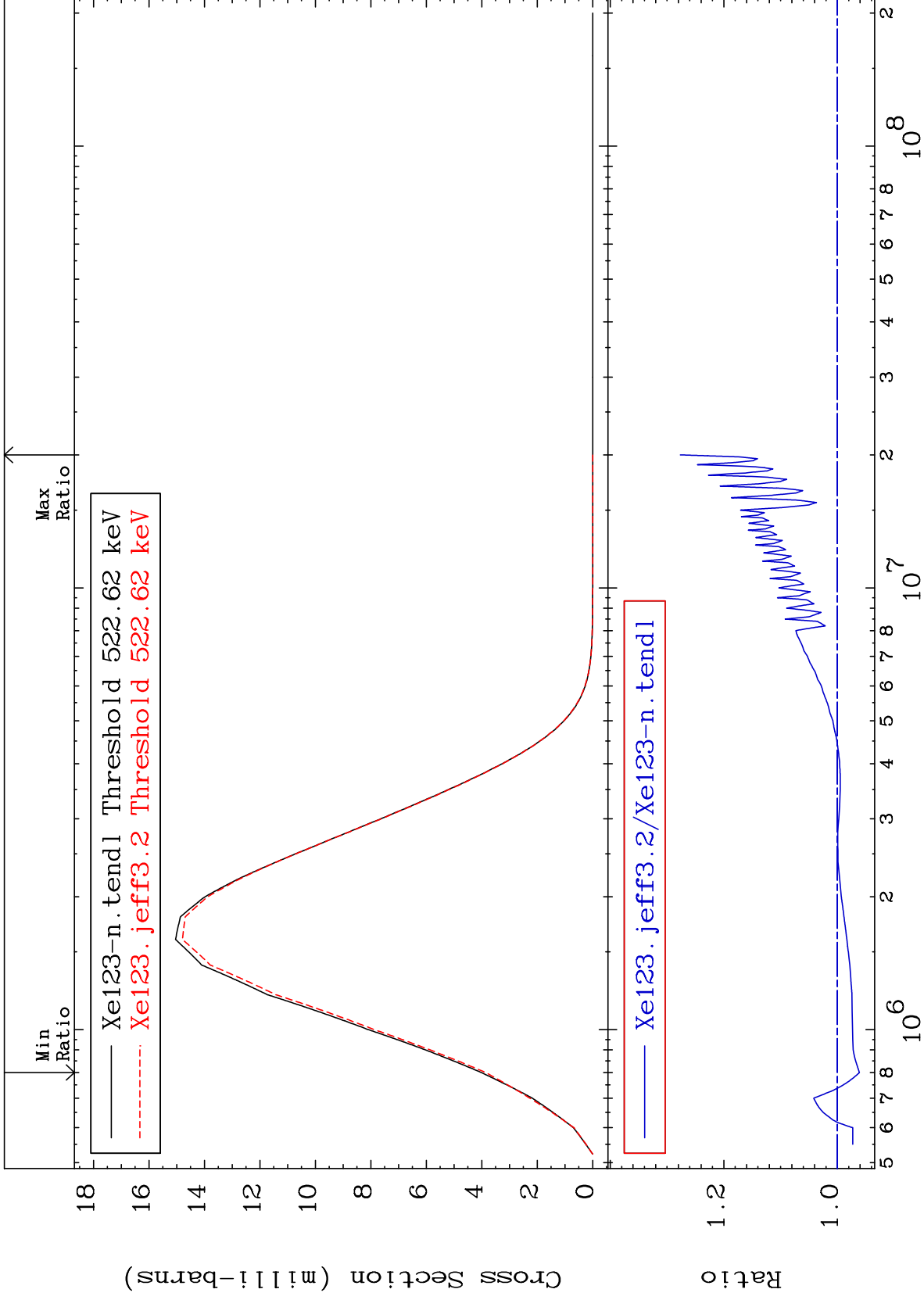
Incident Energy (eV)

54-Xe-123

MAT 5422

518.4 keV (n,n') Level  
Cross Section

54-Xe-123  
-3.886 To 27.66 %



19

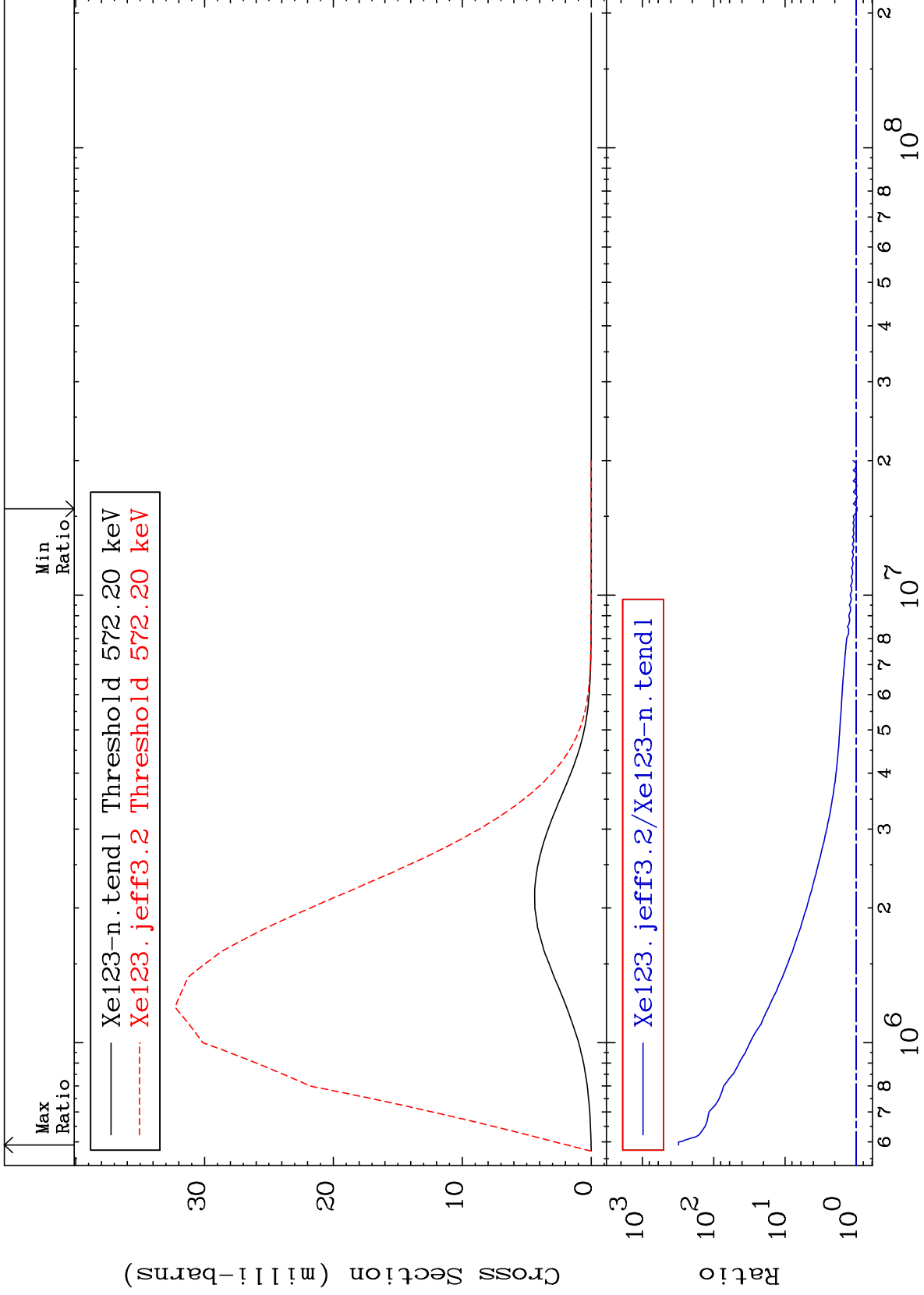
Incident Energy (eV)

54-Xe-123

MAT 5422

567.5 keV (n,n') Level  
Cross Section

54-Xe-123  
-3.086 To 9999. %



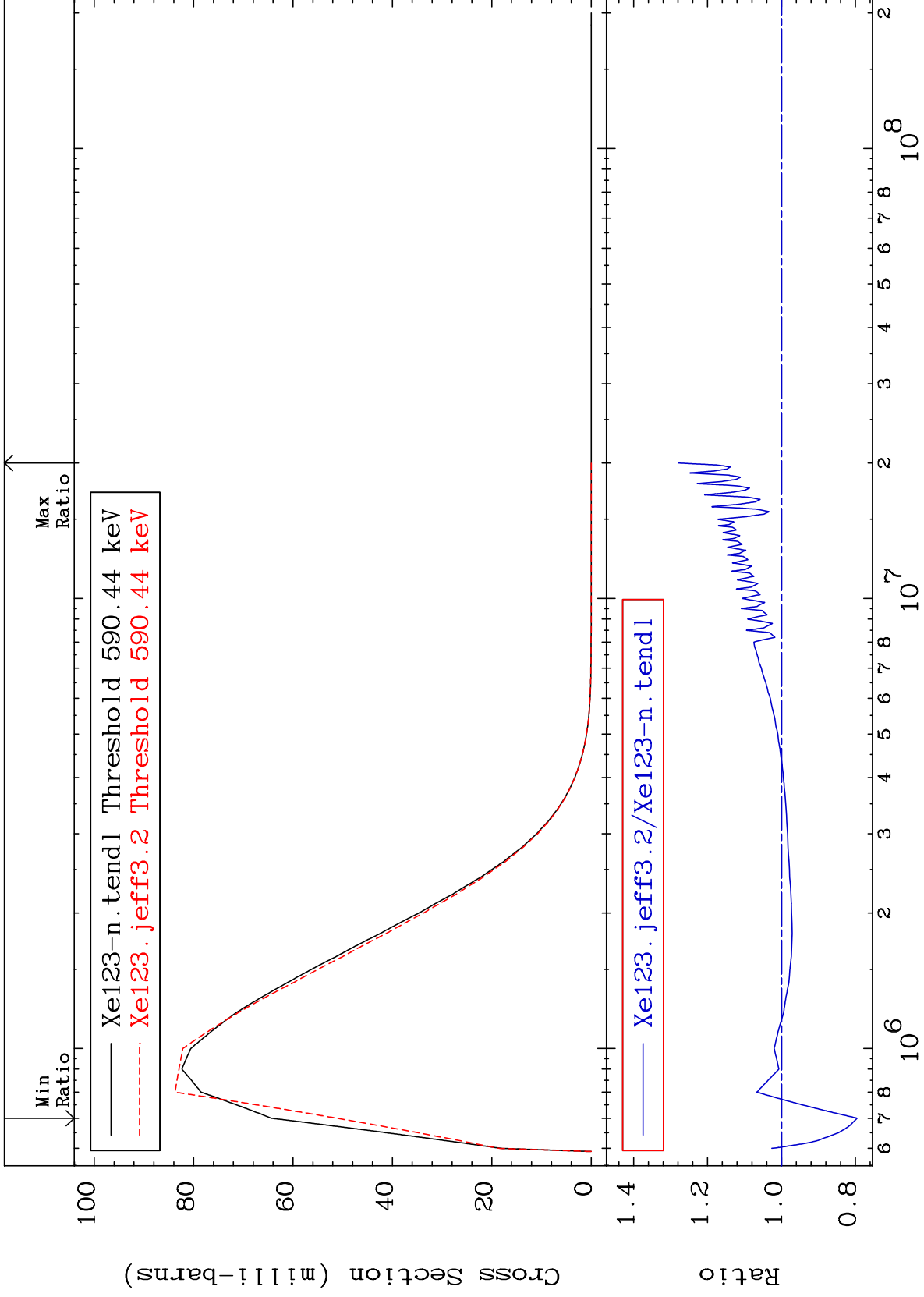
20

54-Xe-123

MAT 5422

585.6 keV (n,n') Level  
Cross Section

54-Xe-123  
-20.49 To 27.82 %



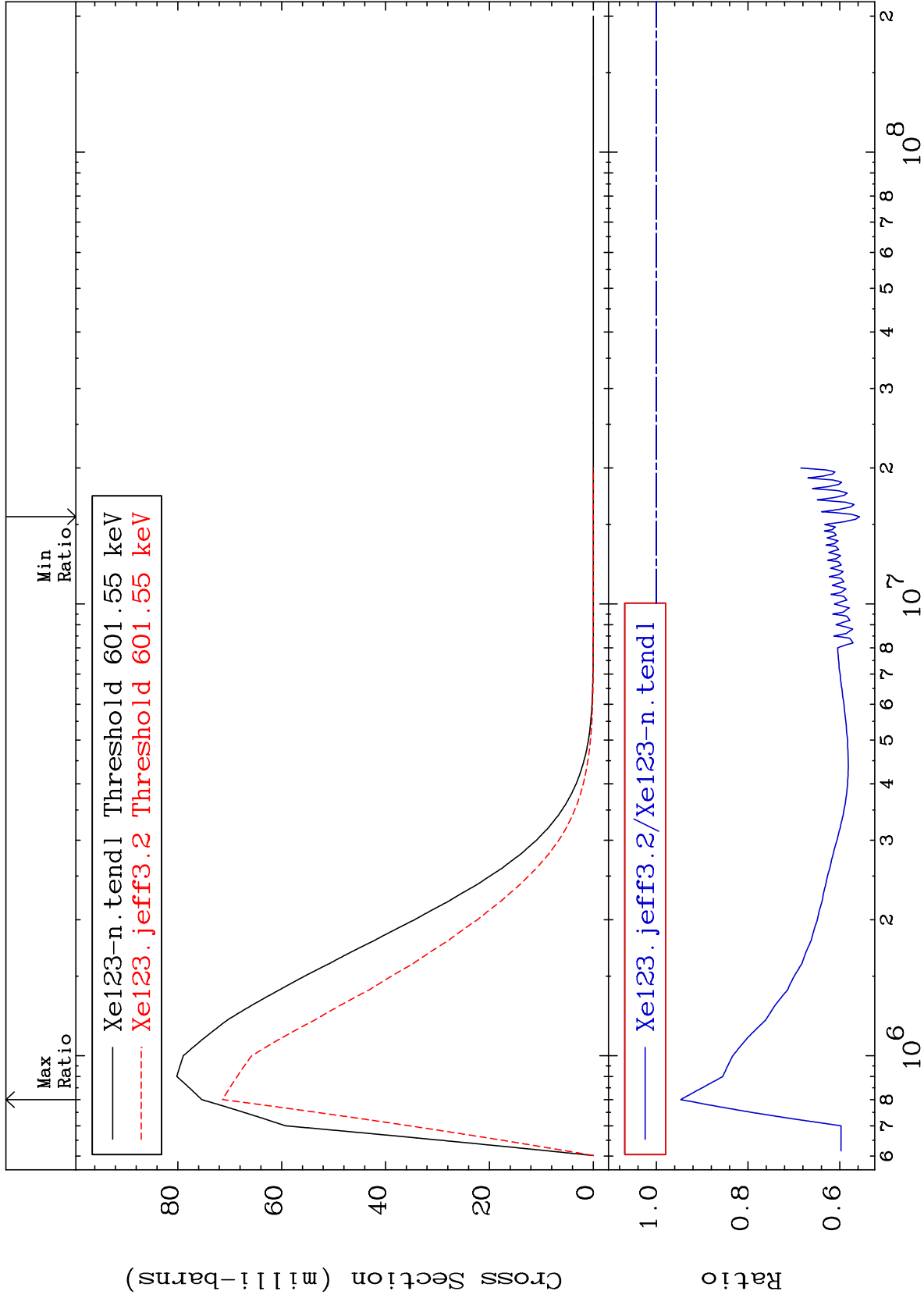
MAT 5422

596.7 keV (n,n') Level

54-Xe-123

Cross Section

-44.33 To -5.339%



22

Incident Energy (eV)

54-Xe-123

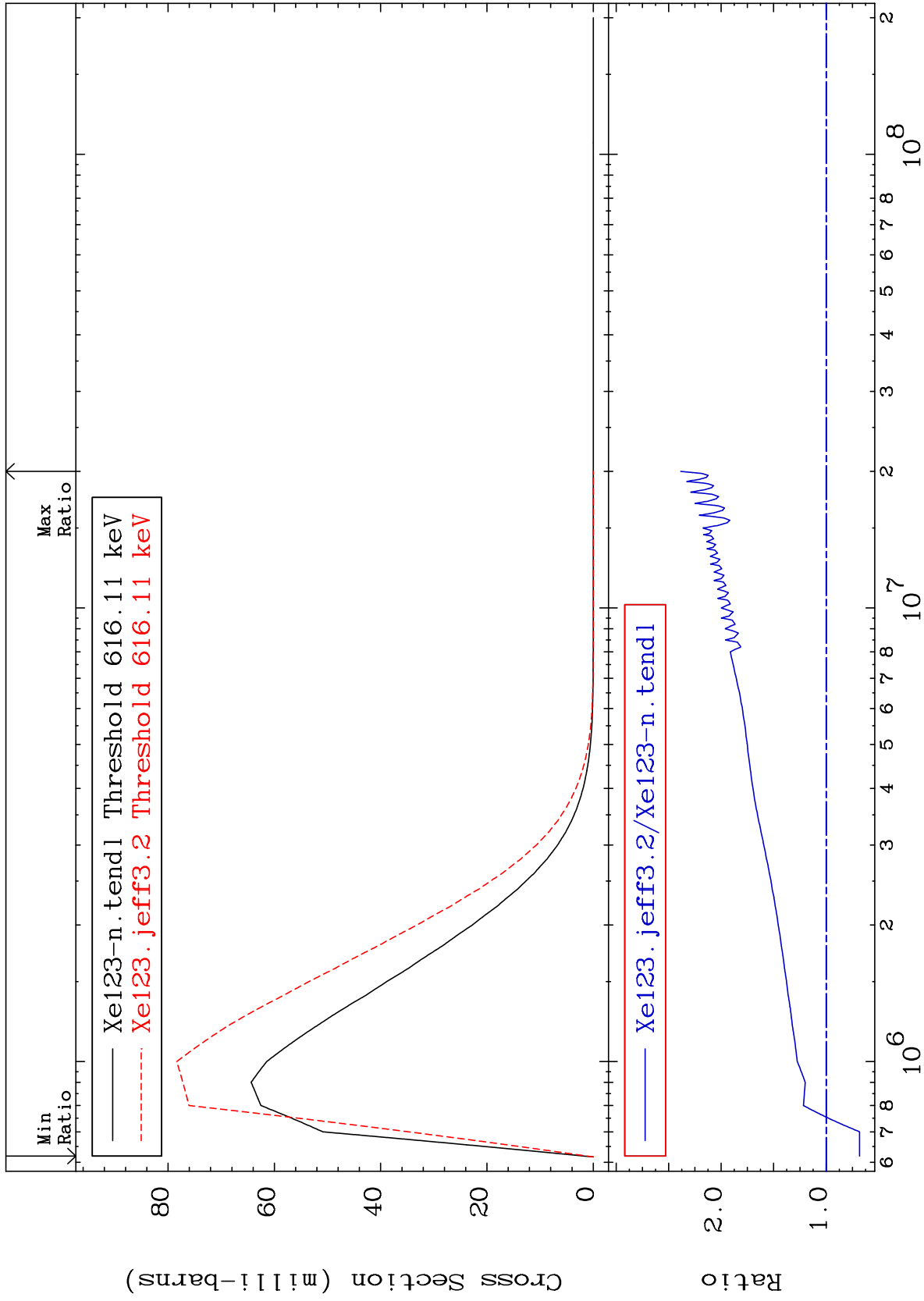
MAT 5422

611.1 keV (n,n') Level

54-Xe-123

-31.79 To 138.4 %

Cross Section



23

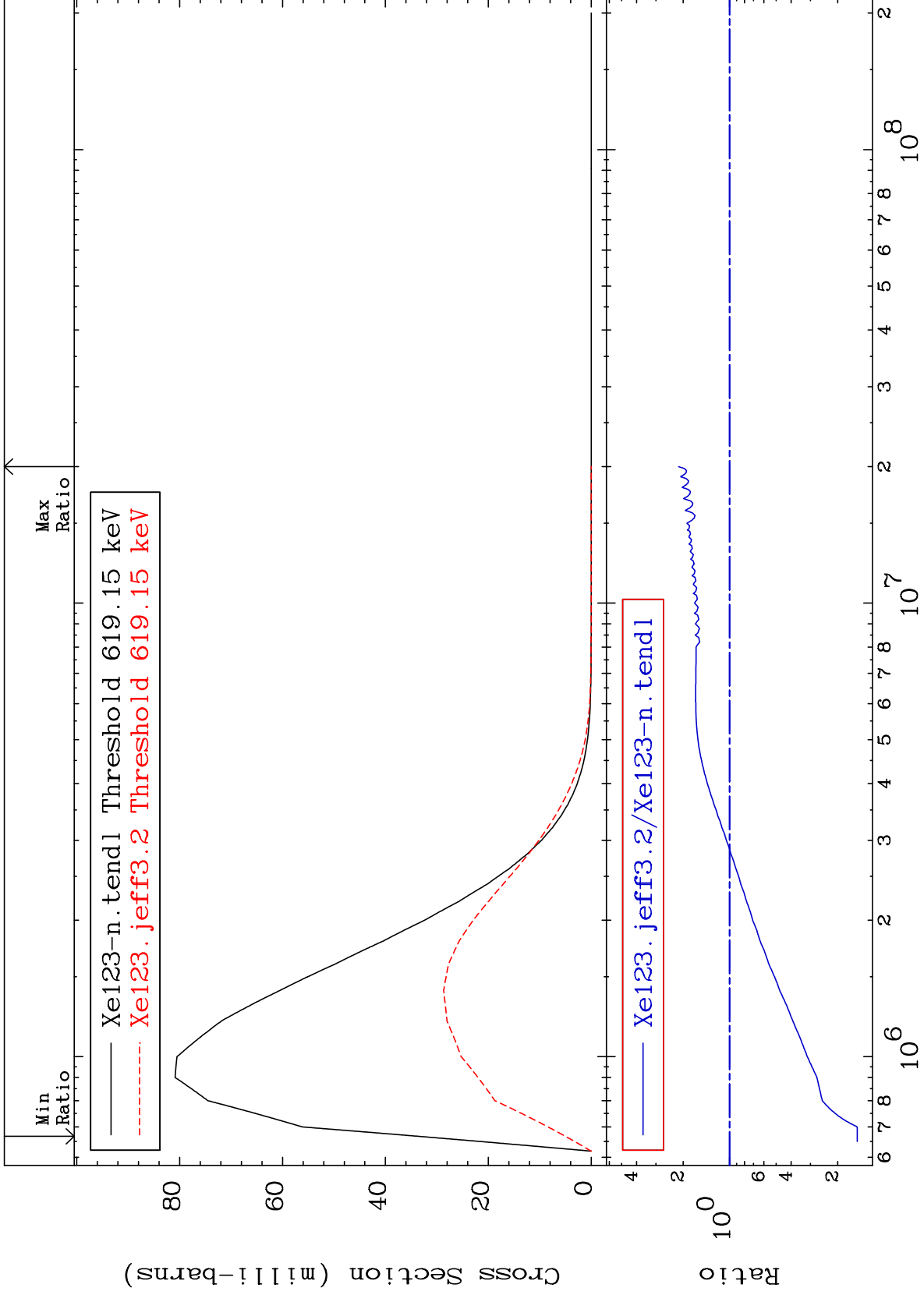
Incident Energy (eV)

54-Xe-123

MAT 5422

614.1 keV (n,n') Level  
Cross Section

54-Xe-123  
-85.07 To 113.7 %





MAT 5422

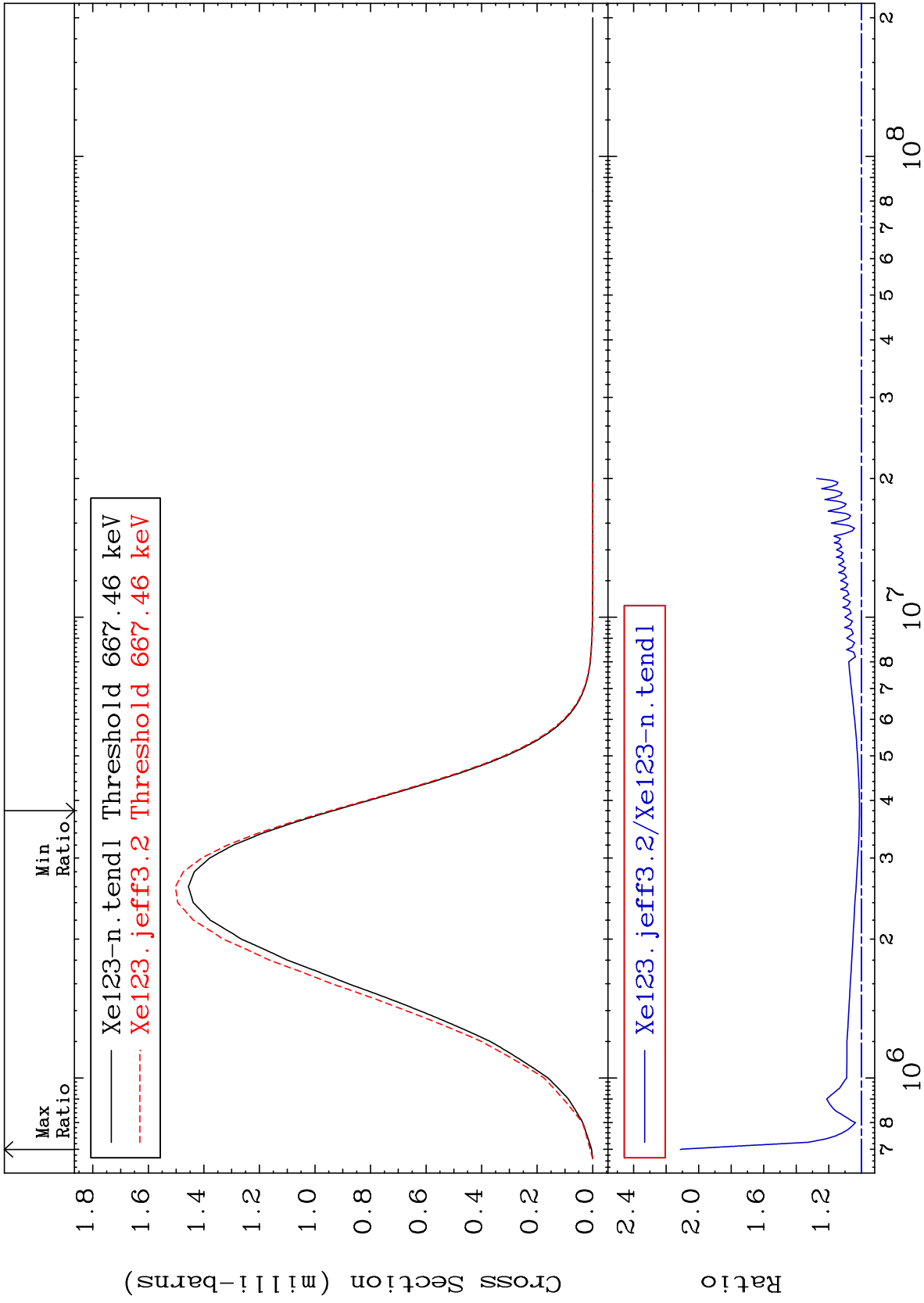
662.0 keV (n,n') Level

54-Xe-123

1.126

To 111.2 %

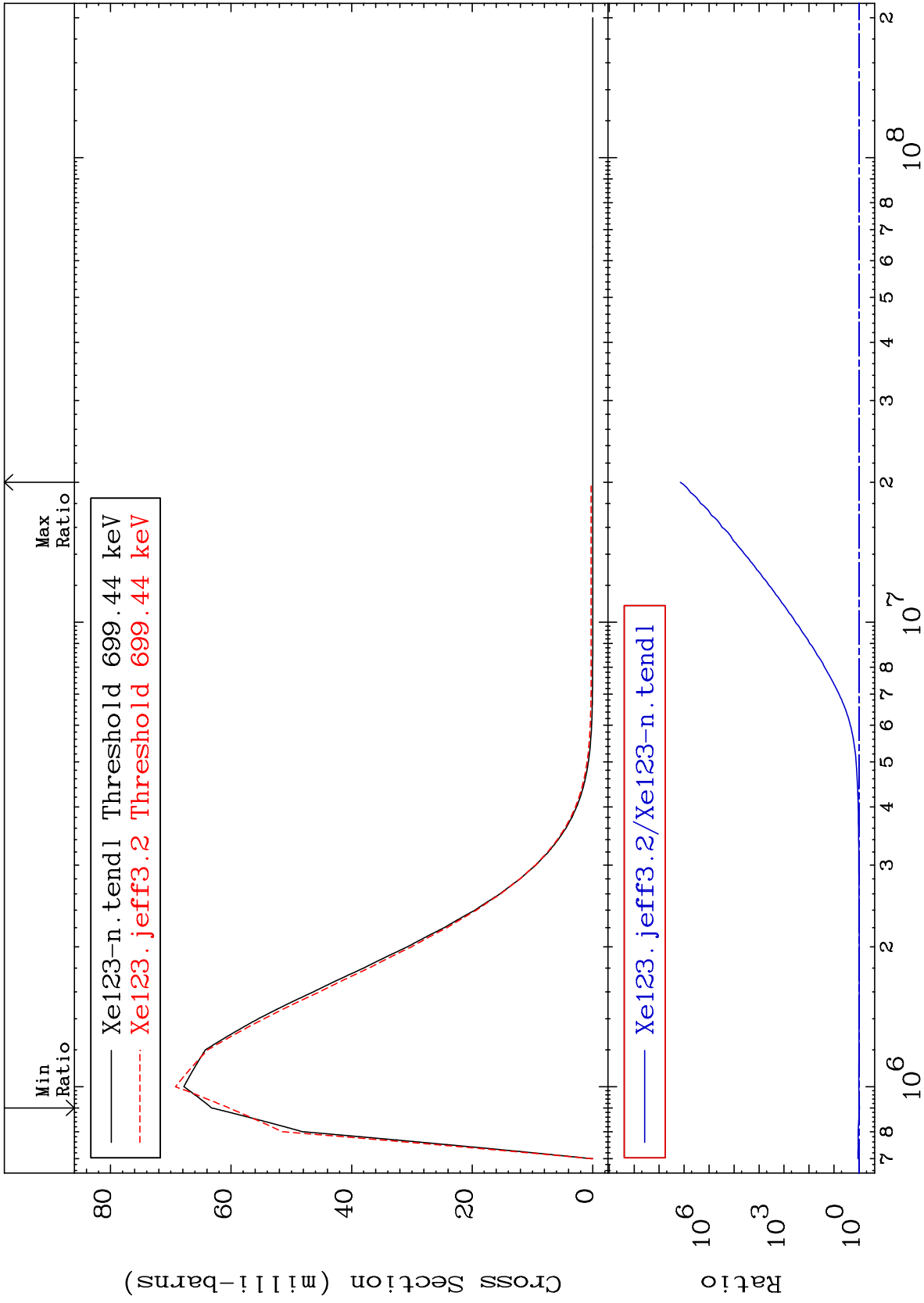
Cross Section



MAT 5422

693.8 keV (n,n') Level  
Cross Section

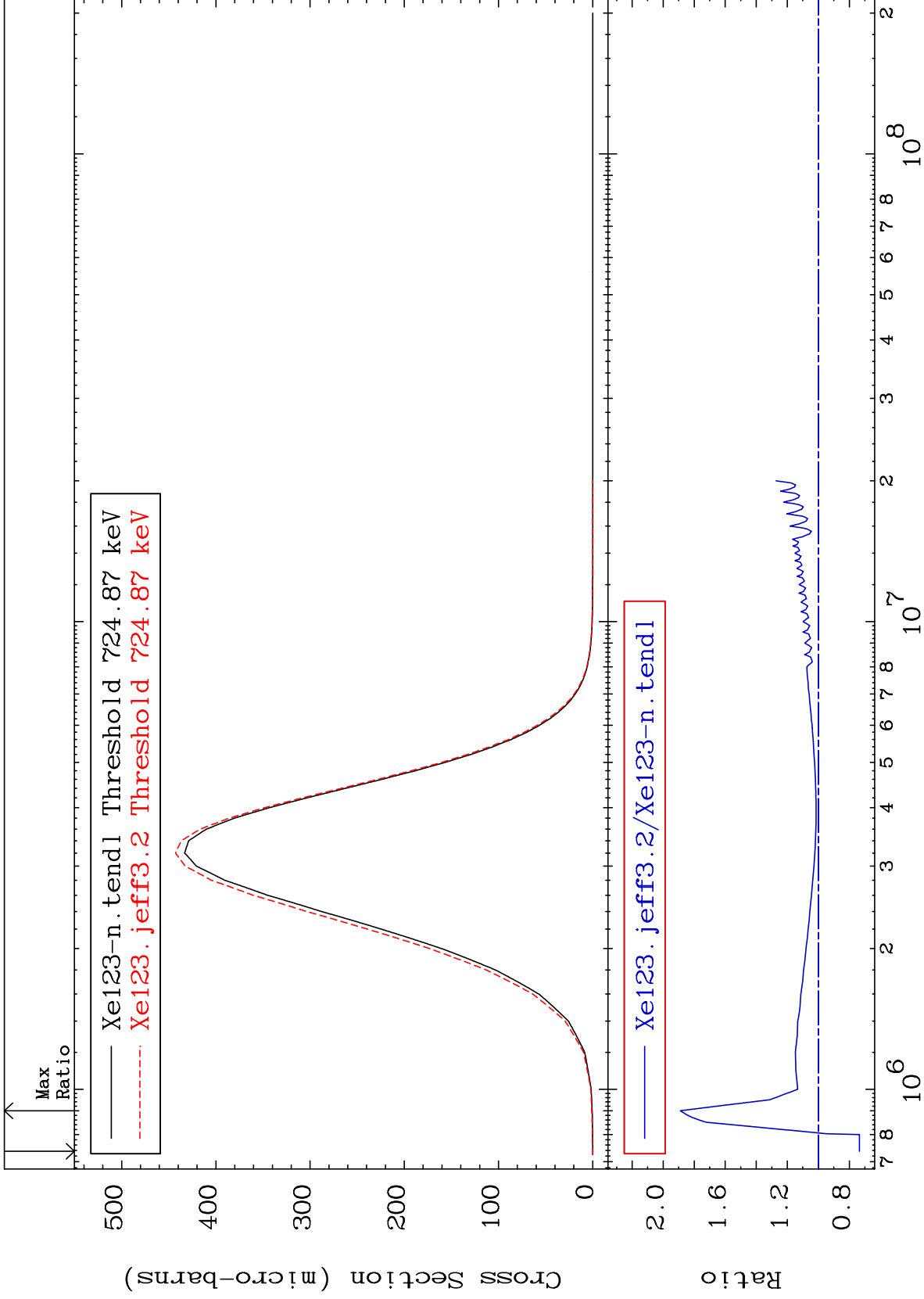
54-Xe-123  
-4.501 To 9999. %



MAT 5422

719.0 keV (n,n') Level  
Cross Section

54-Xe-123  
-26.50 To 88.93 %



27

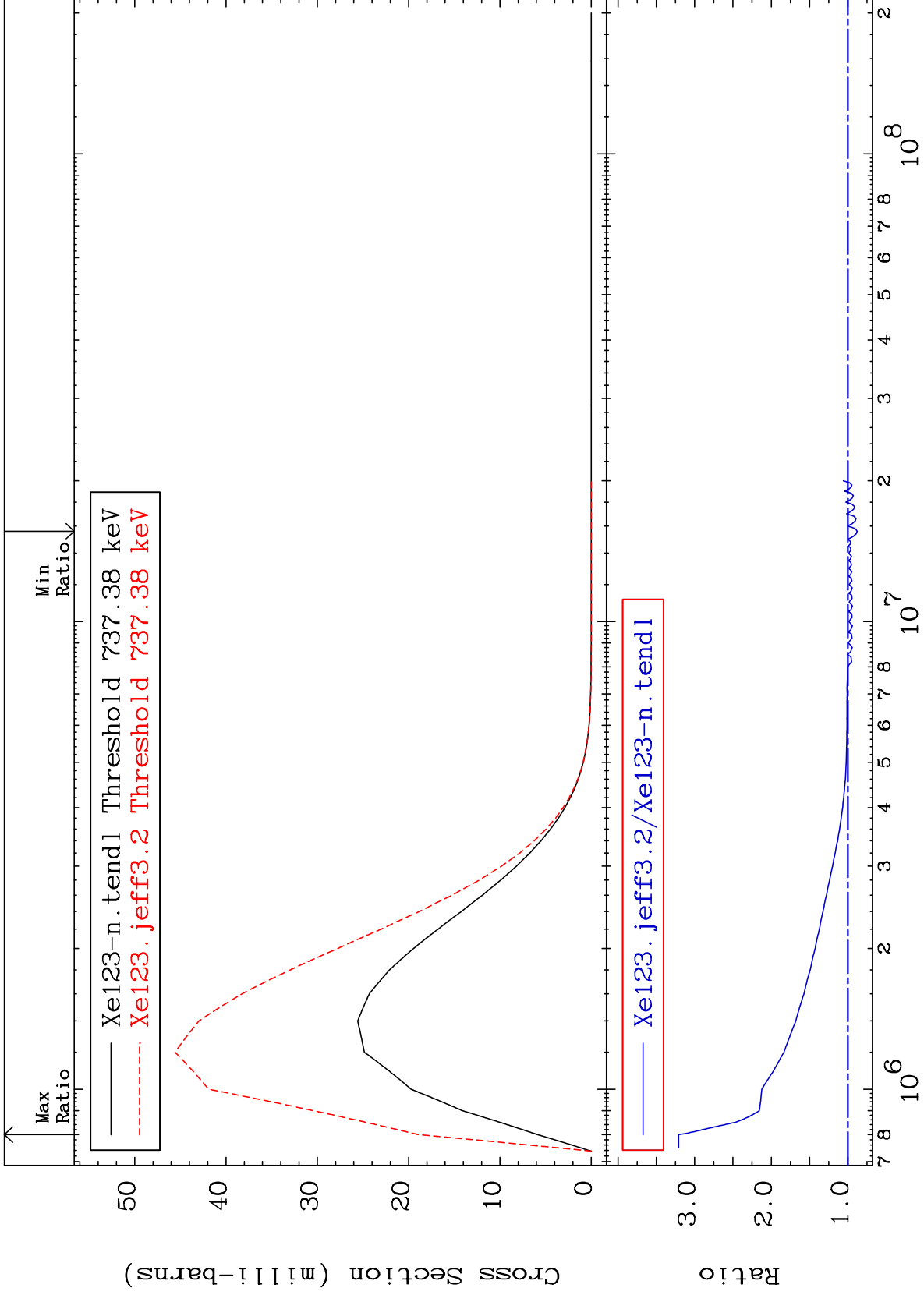
Incident Energy (eV)

54-Xe-123

MAT 5422

731.4 keV (n,n') Level  
Cross Section

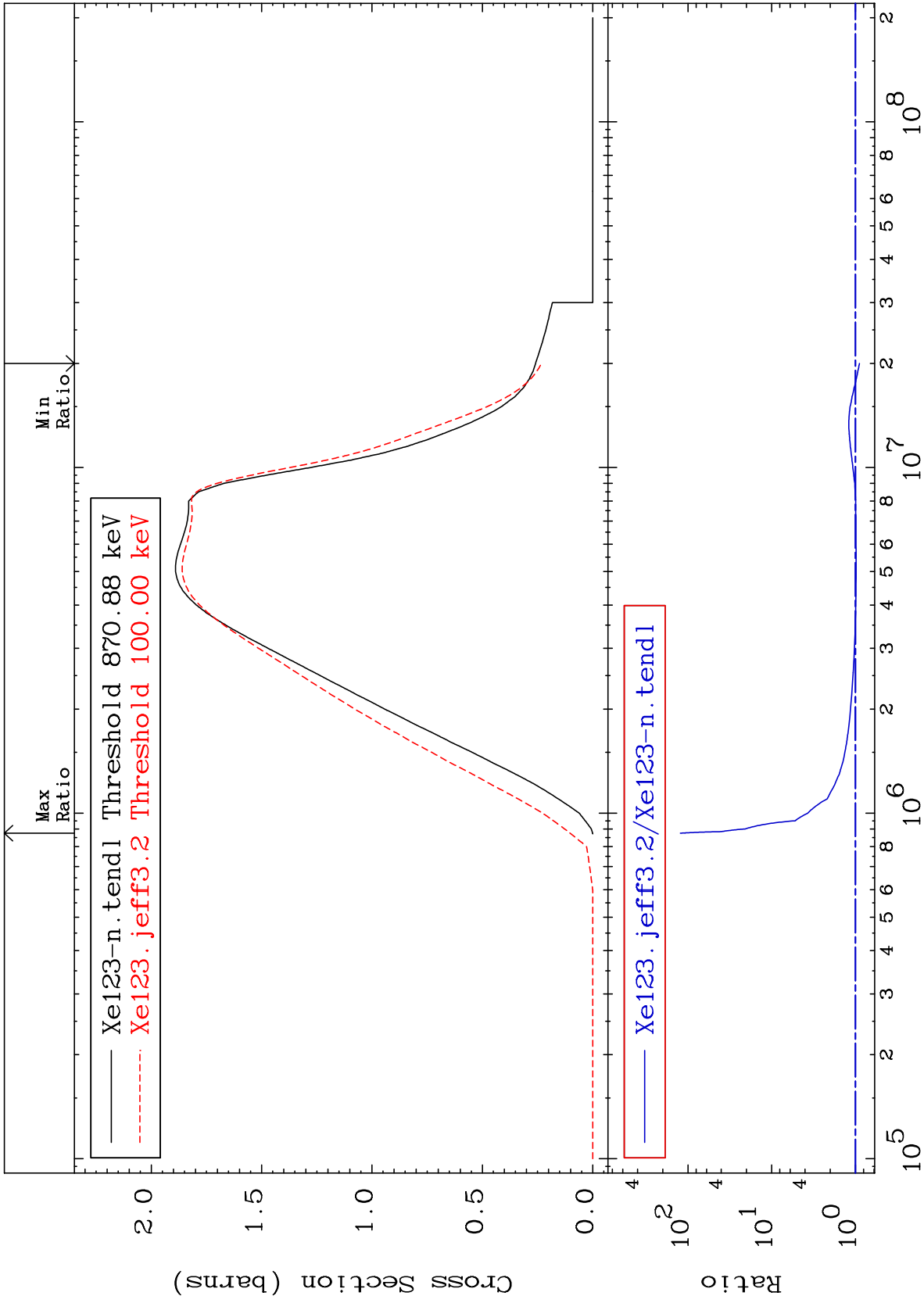
54-Xe-123  
-12.27 To 220.9 %



MAT 5422

(n, n') Continuum  
Cross Section

54-Xe-123  
-10.42 To 9999. %



29

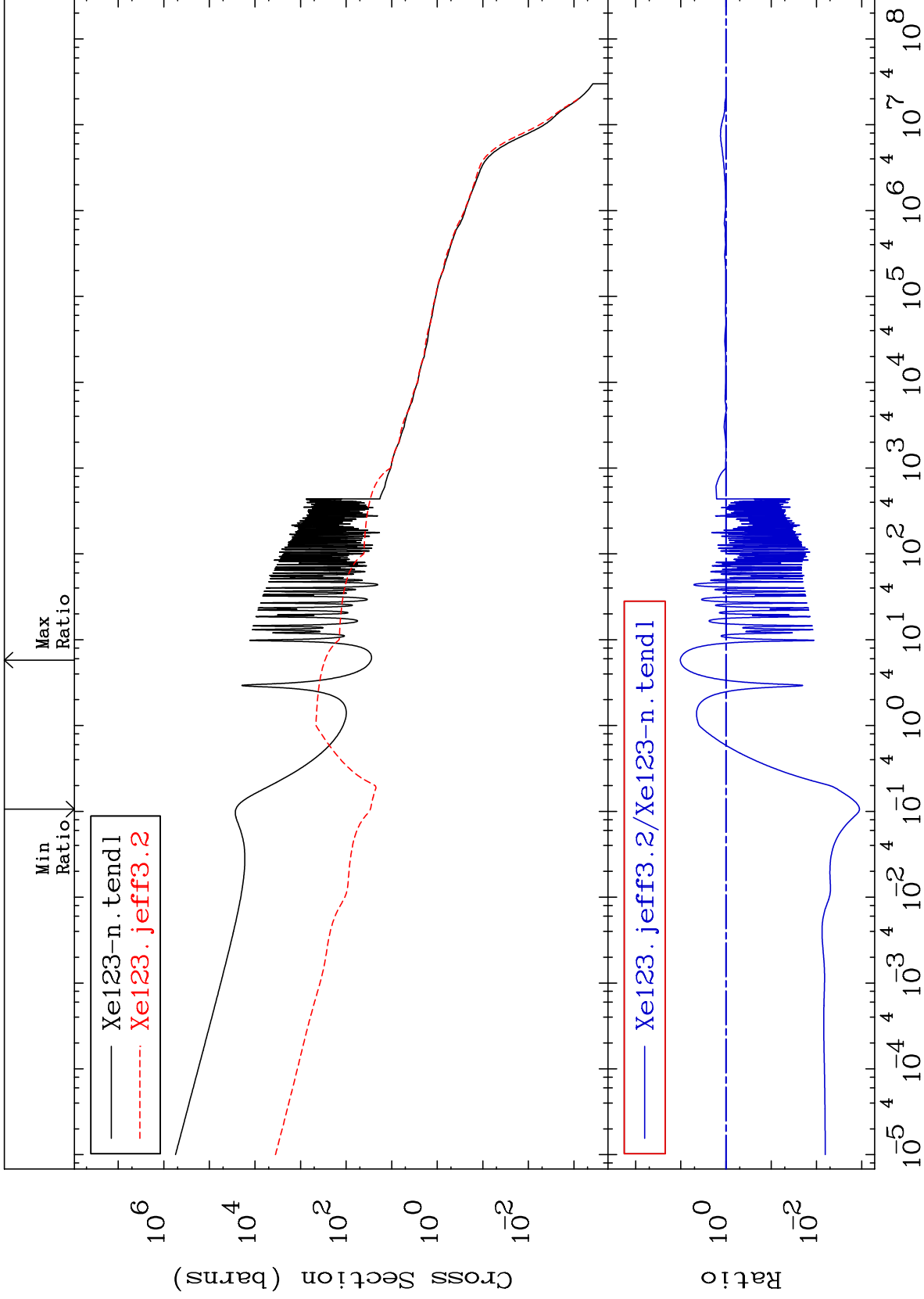
Incident Energy (eV)

54-Xe-123

MAT 5422

54-Xe-123  
-99.89 To 924.4 %

(n,  $\gamma$ )  
Cross Section



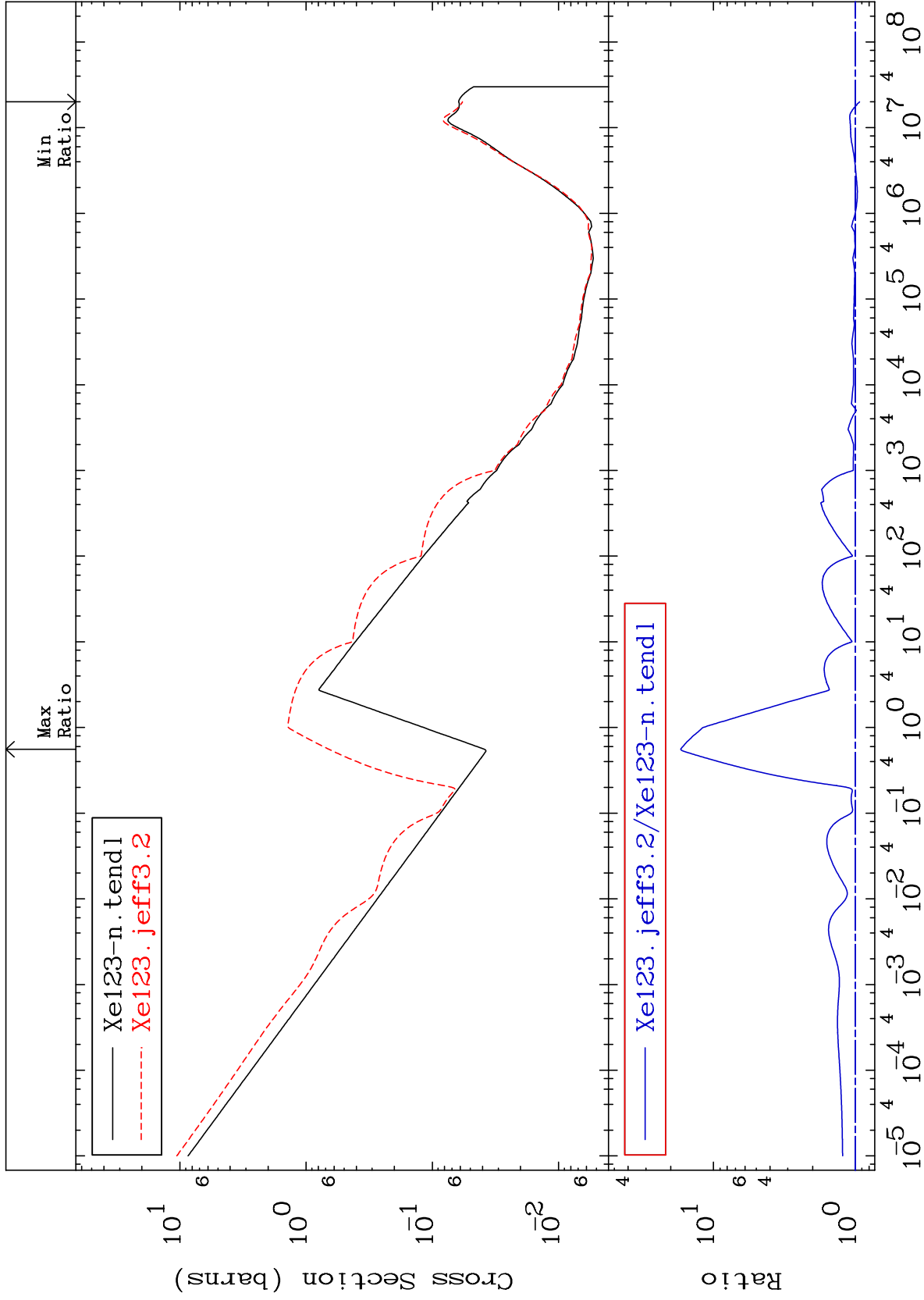
MAT 5422

(n,p)

54-Xe-123

Cross Section

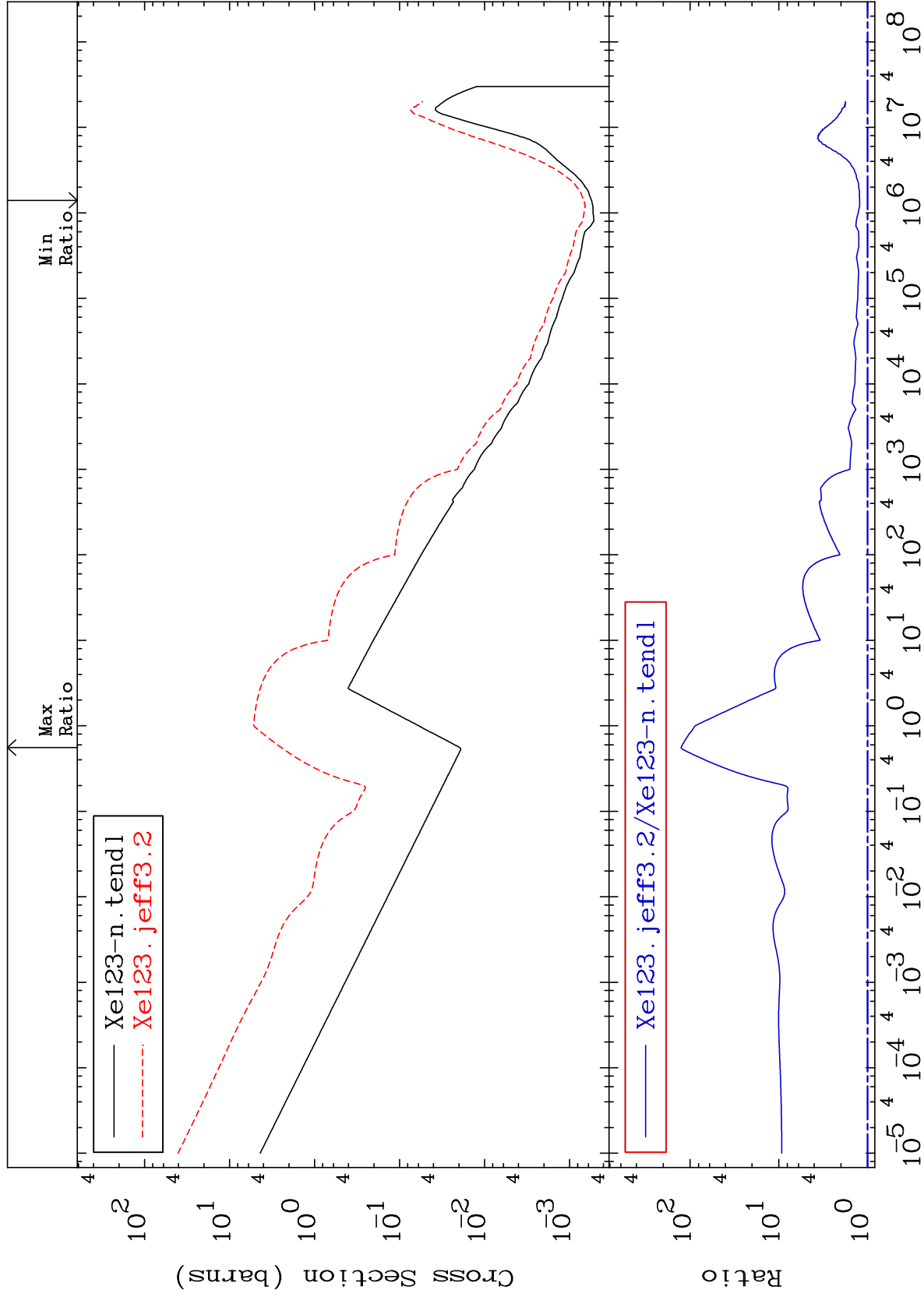
-6.682 To 1602. %



MAT 5422

54-Xe-123

(n,  $\alpha$ )  
Cross Section  
23.00 To 9999. %



Incident Energy (eV)

54-Xe-123

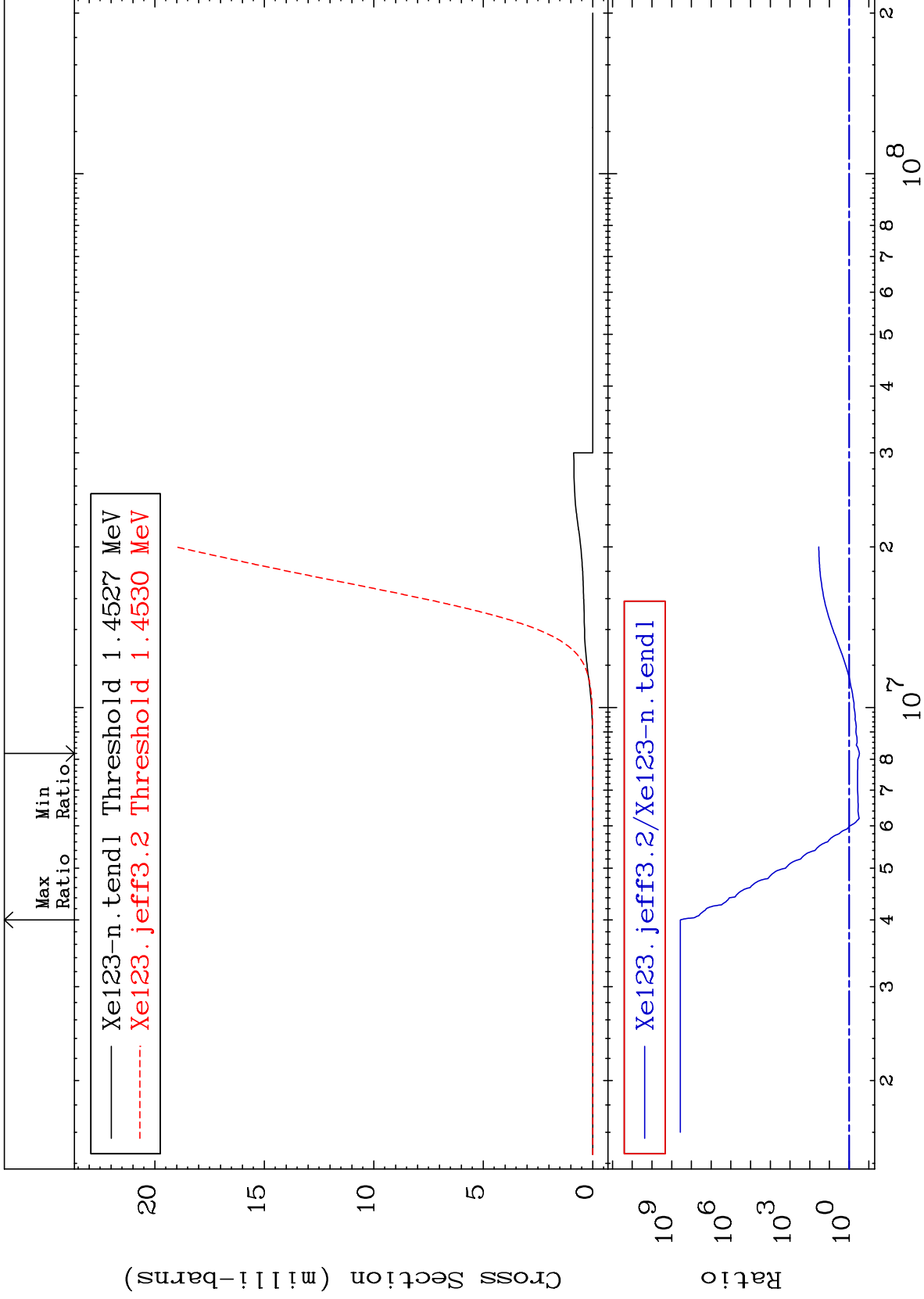
32



MAT 5422

(n,2p)  
Cross Section

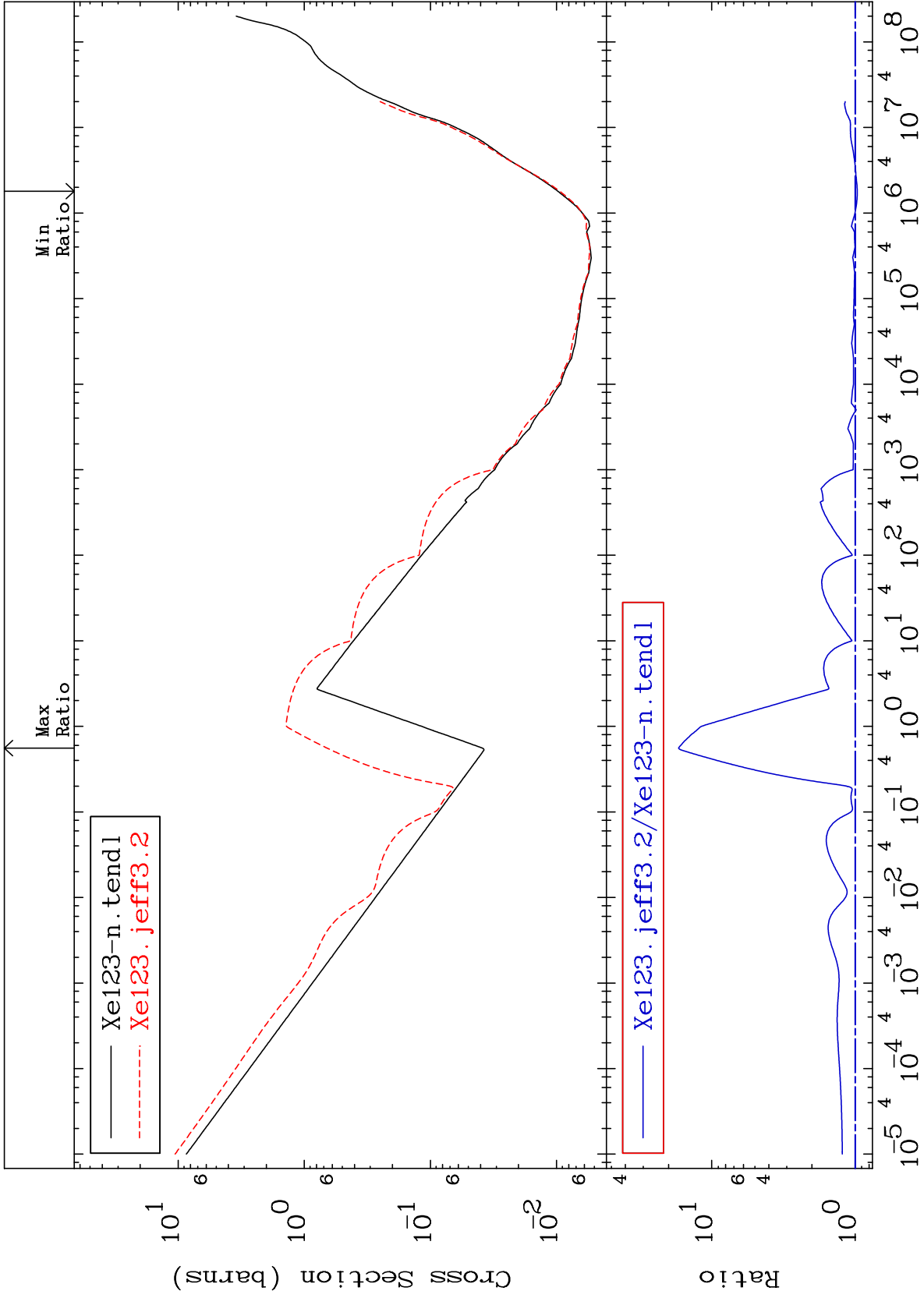
54-Xe-123  
-69.80 To 9999. %



MAT 5422

Hydrogen Production  
Cross Section

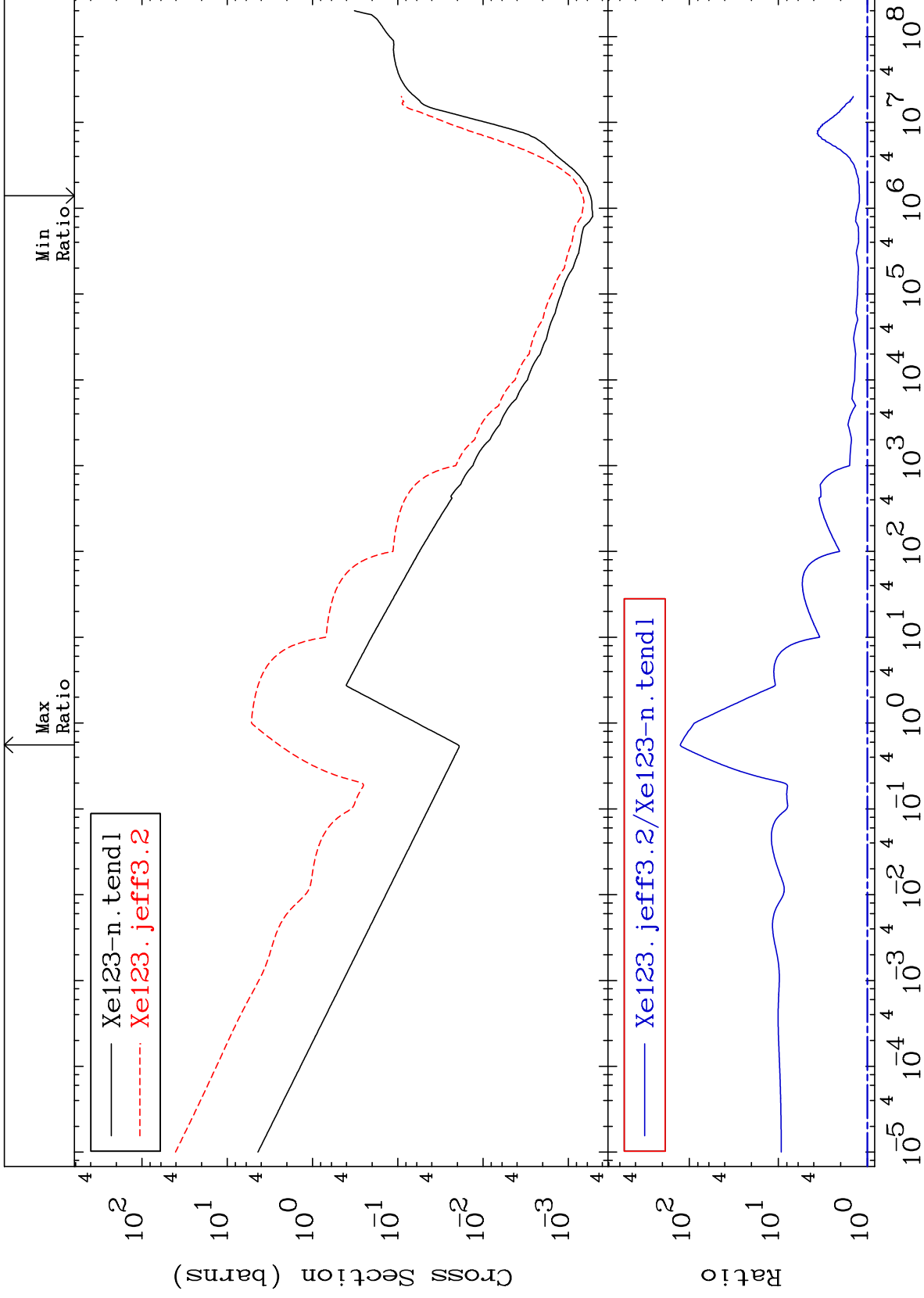
54-Xe-123  
-3.308 To 1602. %



MAT 5422

He-4 Production  
Cross Section

54-Xe-123  
23.00 To 9999. %



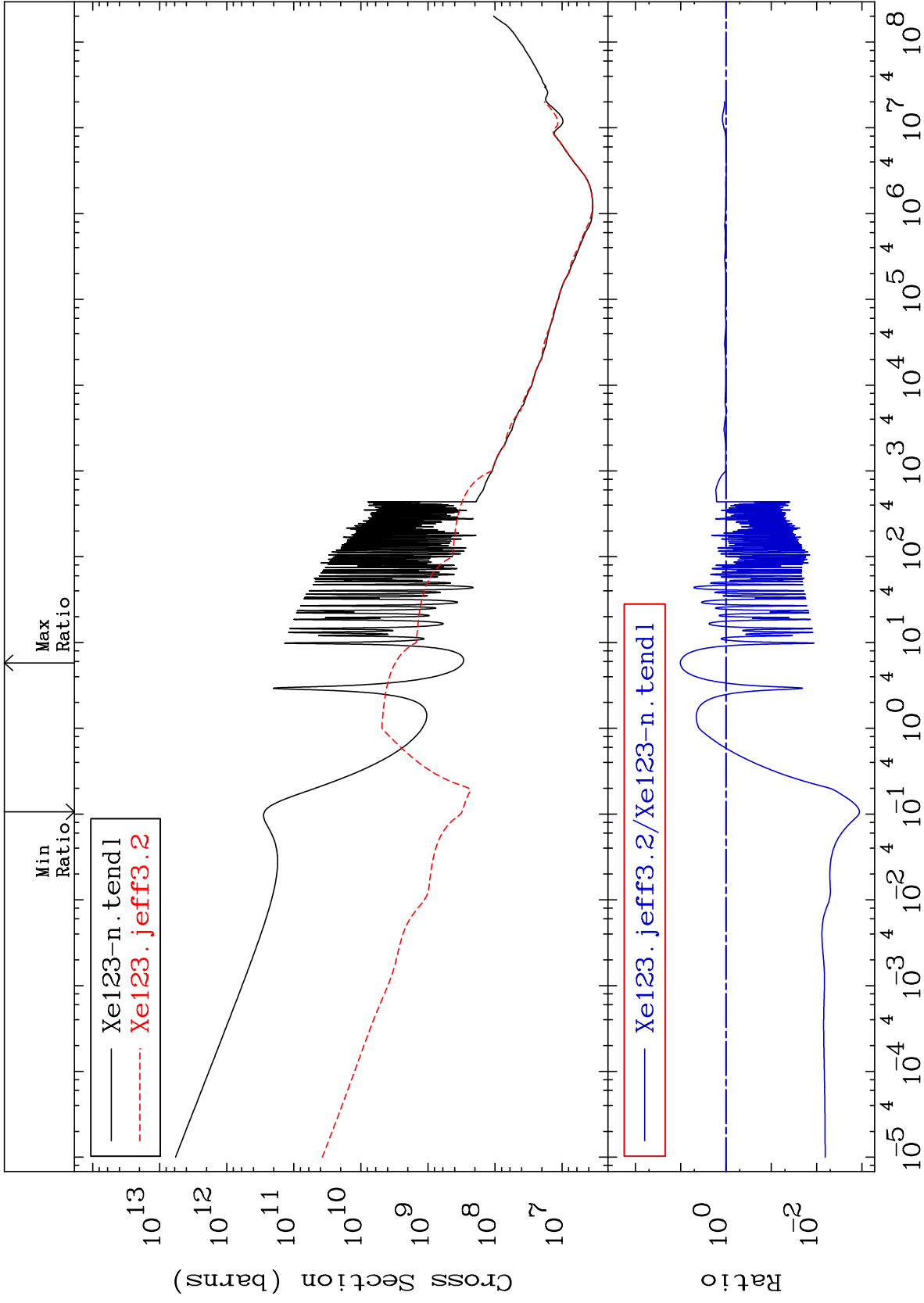
MAT 5422

Kerma total (eV-barns)

54-Xe-123

-99.89 To 919.1 %

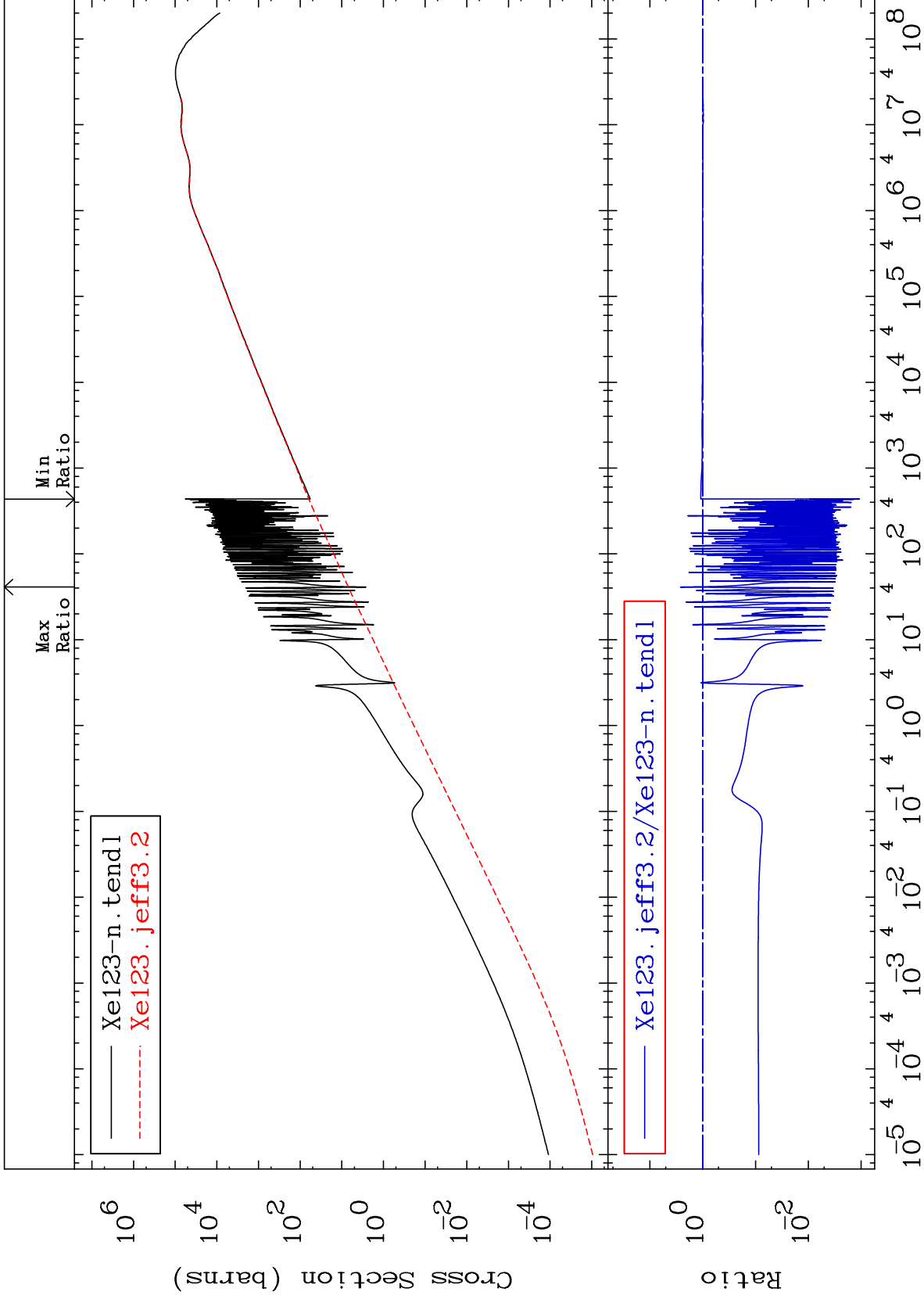
Cross Section



MAT 5422

Kerma elastic  
Cross Section

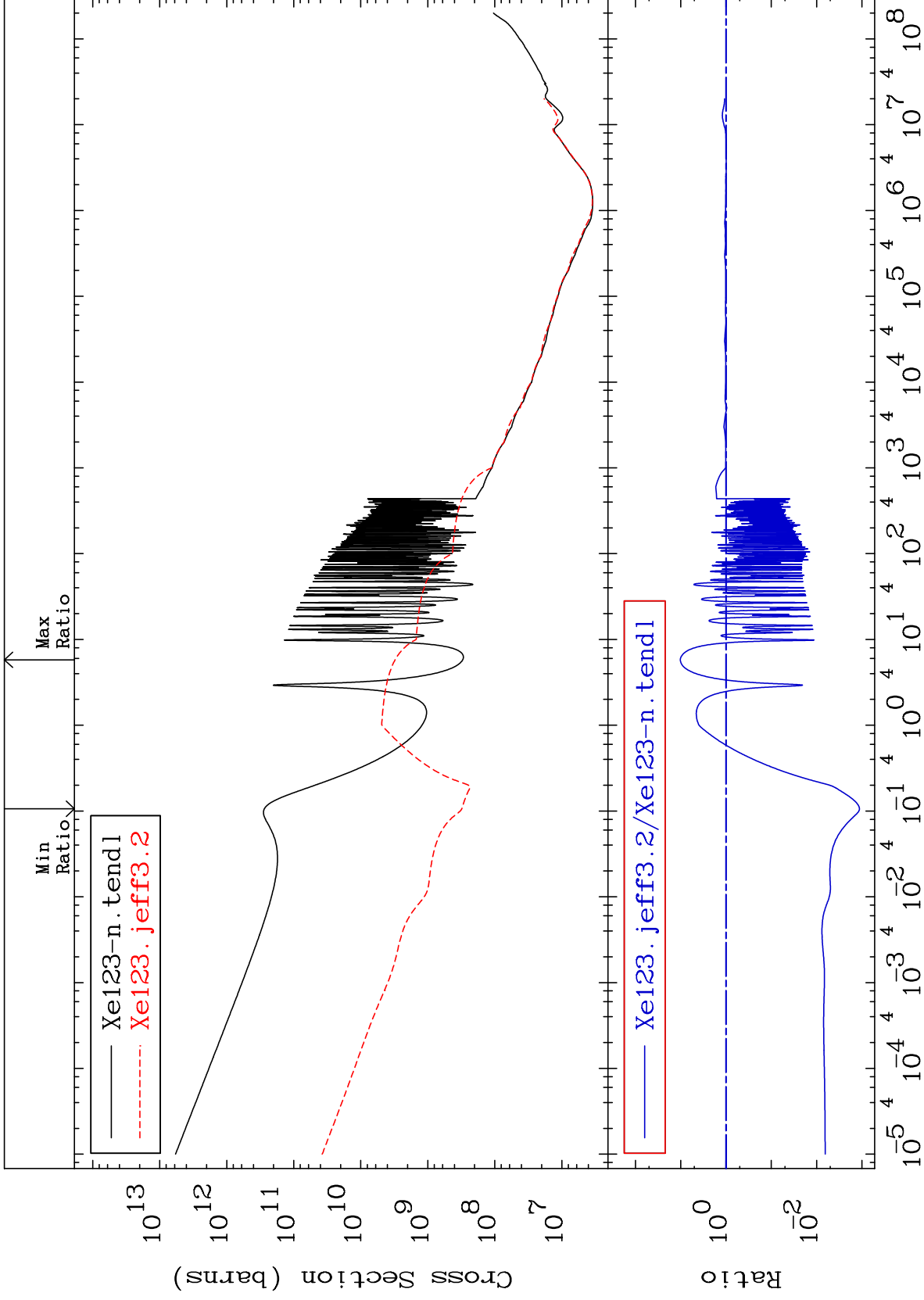
54-Xe-123  
-99.89 To 164.3 %



MAT 5422

Kerma non-elastic (all but mt2)  
Cross Section

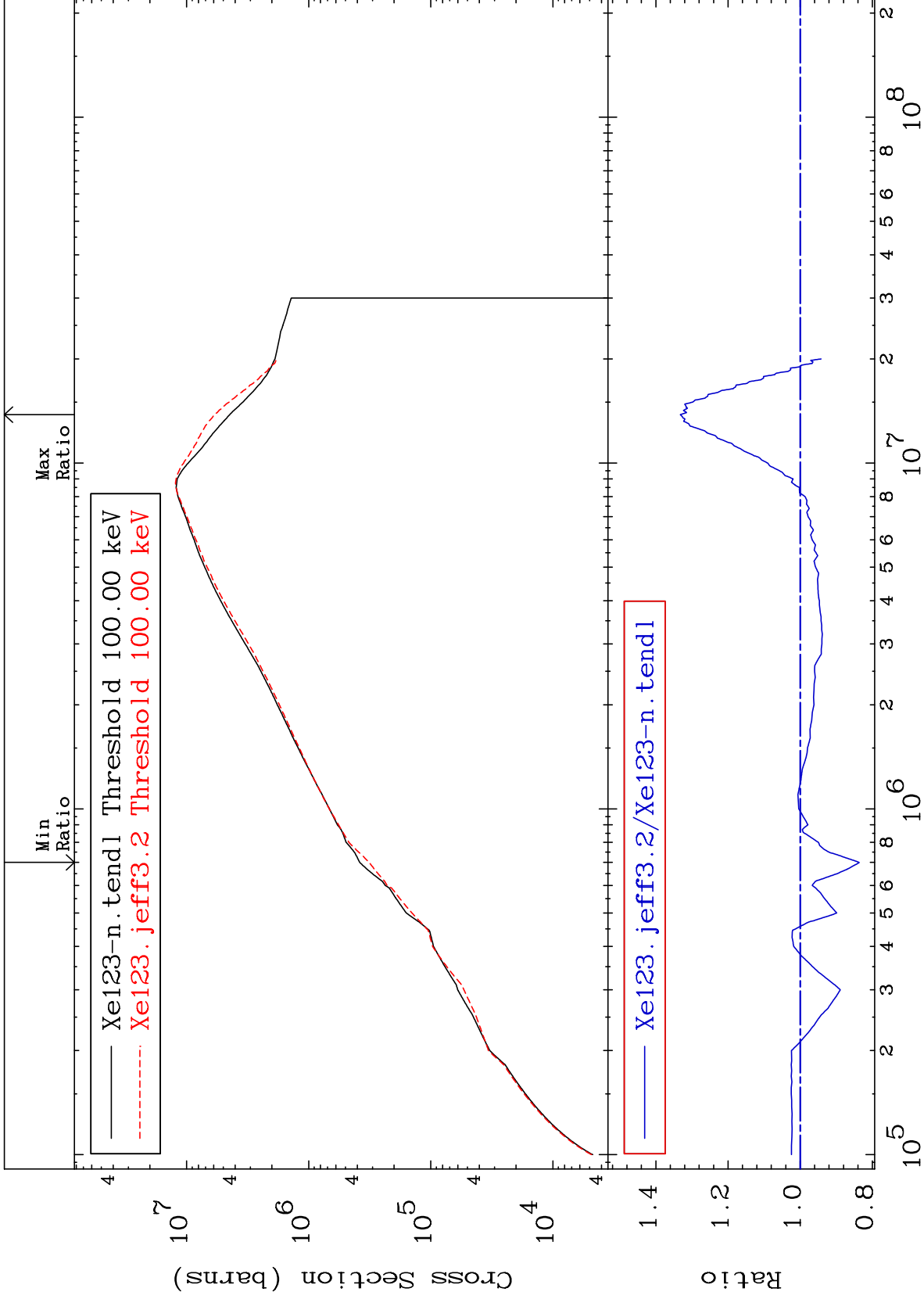
54-Xe-123  
-99.89 To 919.1 %



MAT 5422

Kerma inelastic (mt51-91)  
Cross Section

54-Xe-123  
-16.41 To 33.21 %



39

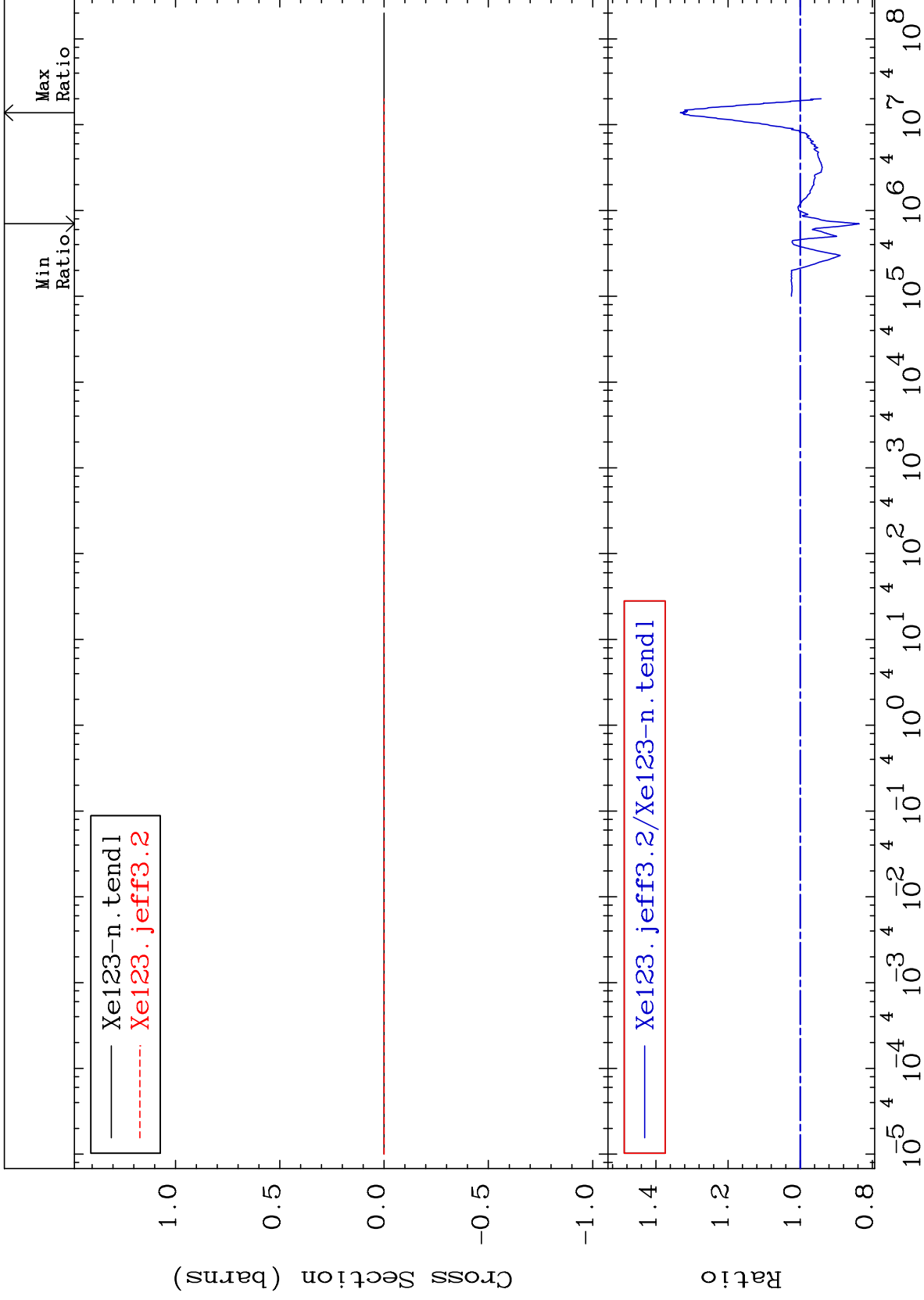
Incident Energy (eV)

54-Xe-123

MAT 5422

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

54-Xe-123  
-16.41 To 33.21 %

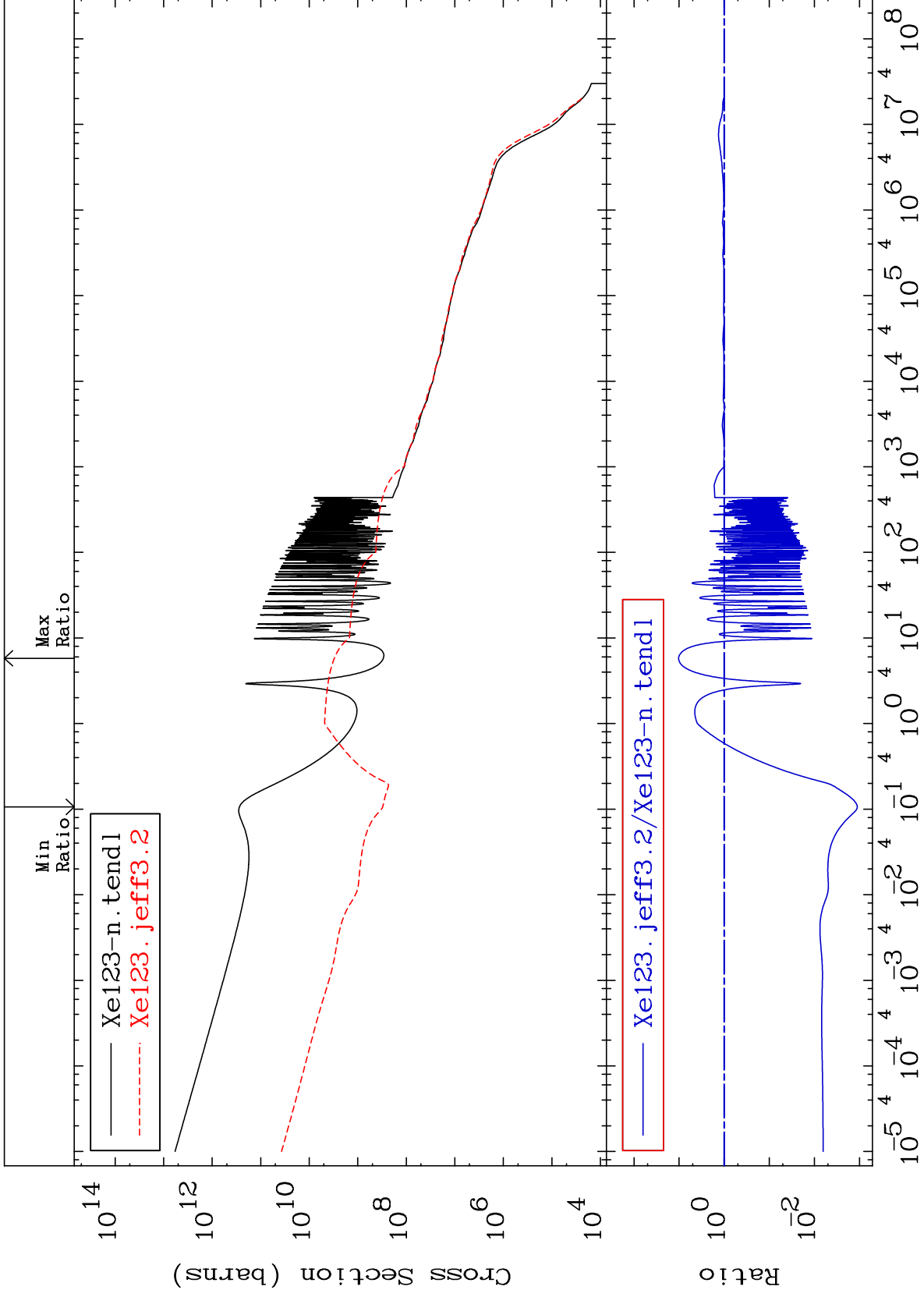




MAT 5422

Kerma capture (mt102)  
Cross Section

54-Xe-123  
-99.89 To 924.3 %



41

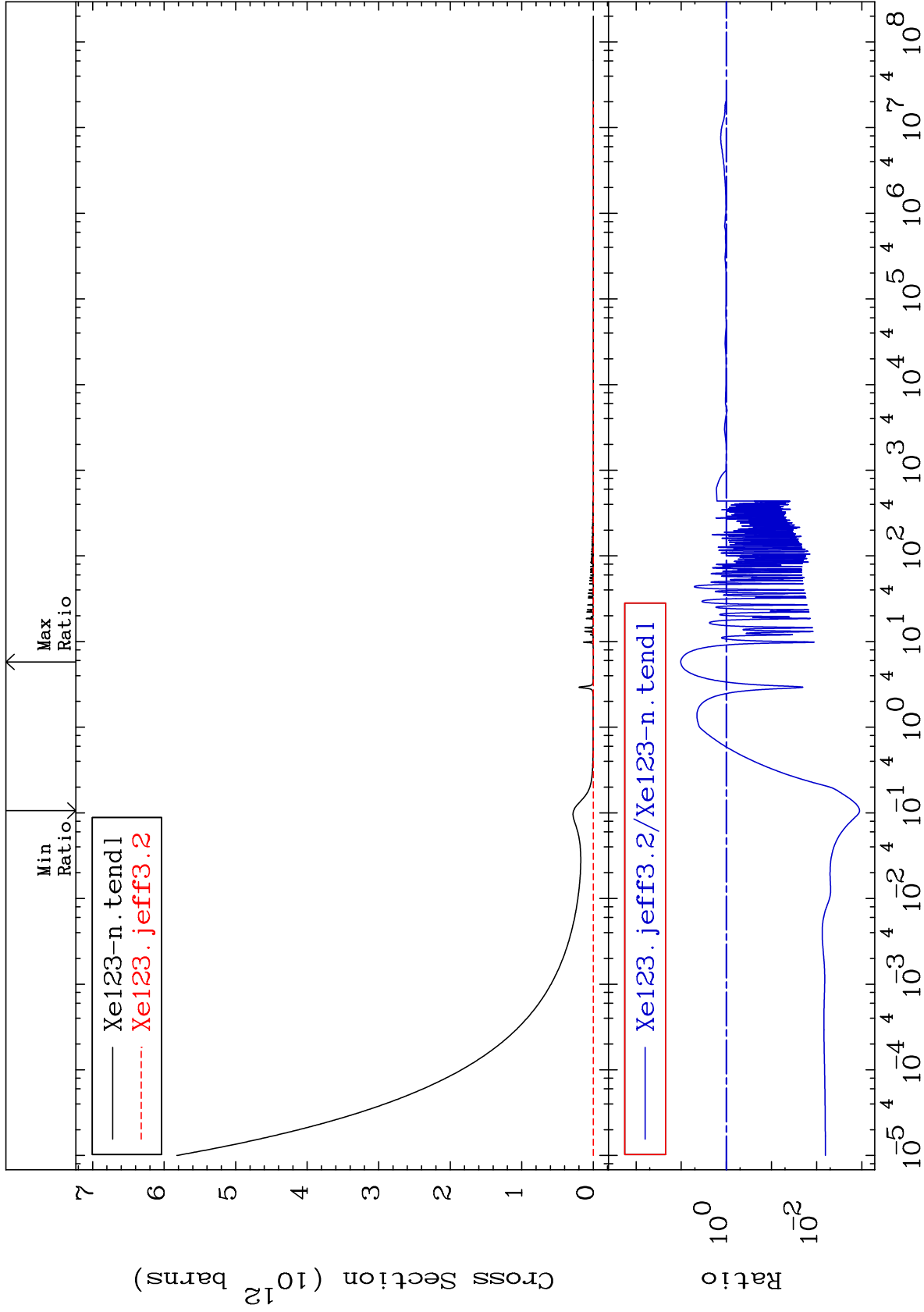
54-Xe-123

MAT 5422

Total photon (eV-barns)  
Cross Section

54-Xe-123

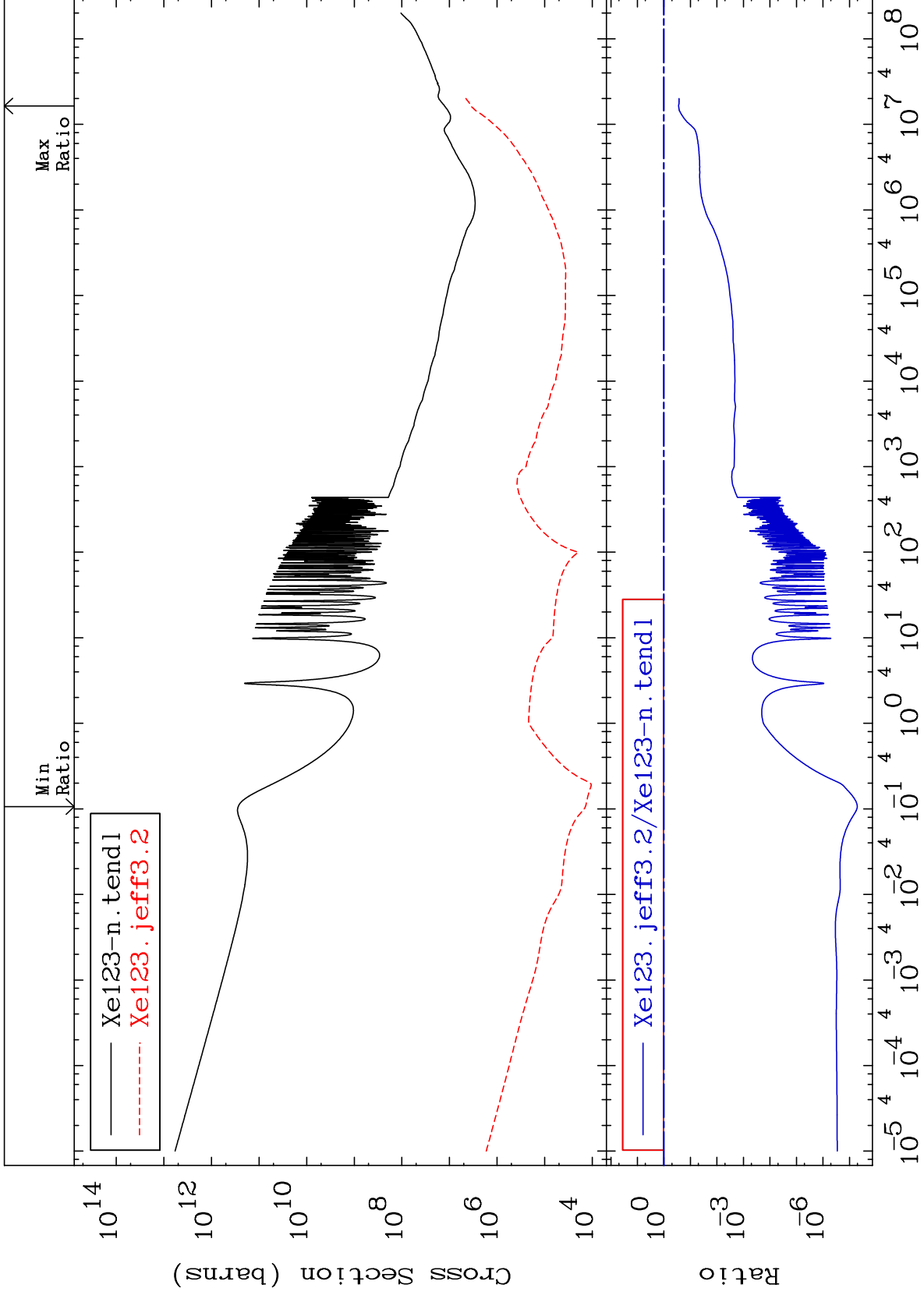
-99.89 To 924.3 %



MAT 5422

Total kinematic kerma (high limit)  
Cross Section

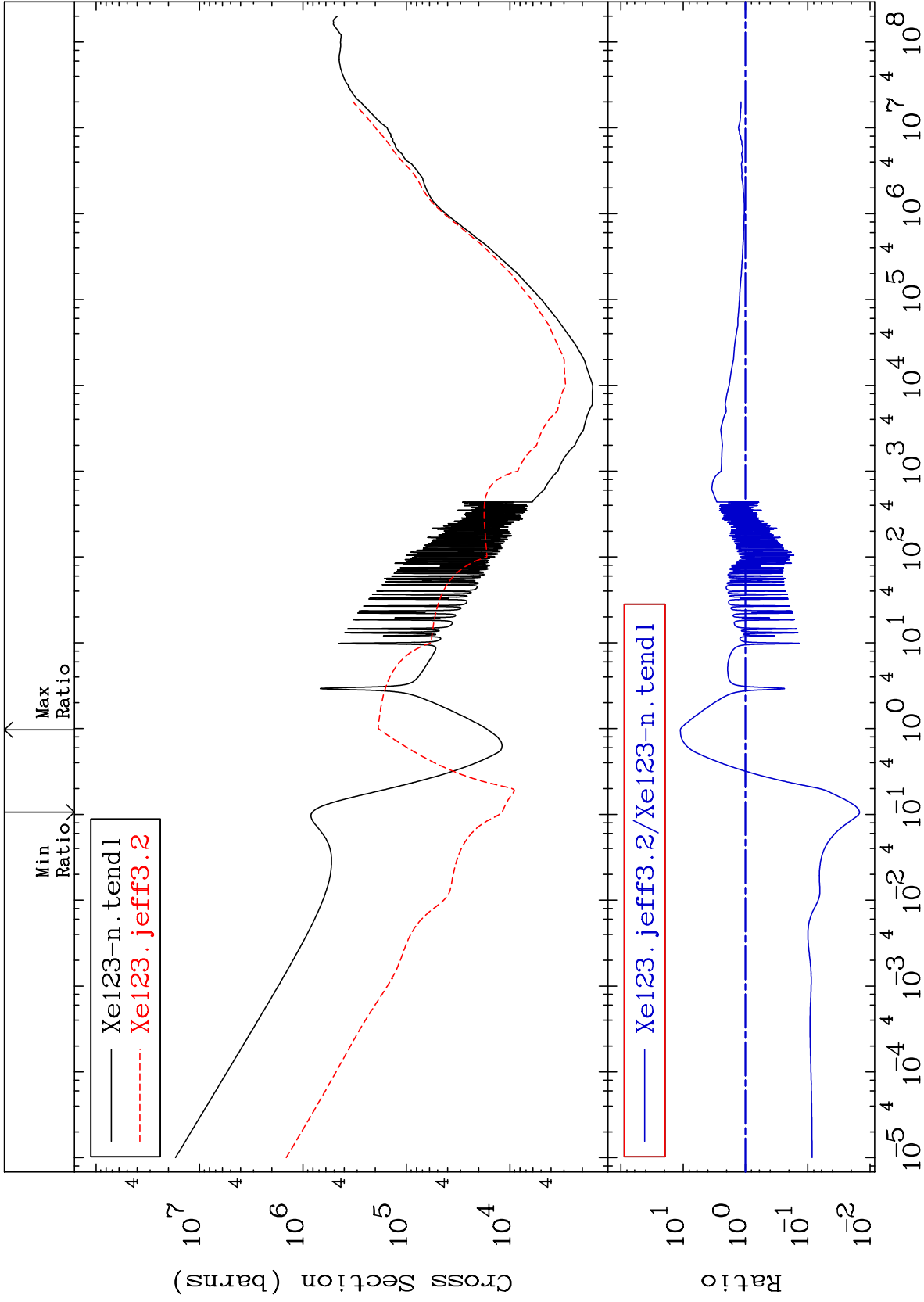
54-Xe-123  
-100.0 To -72.17%



MAT 5422

Dpa total (eV-barns)  
Cross Section

54-Xe-123  
-98.52 To 1009. %



44

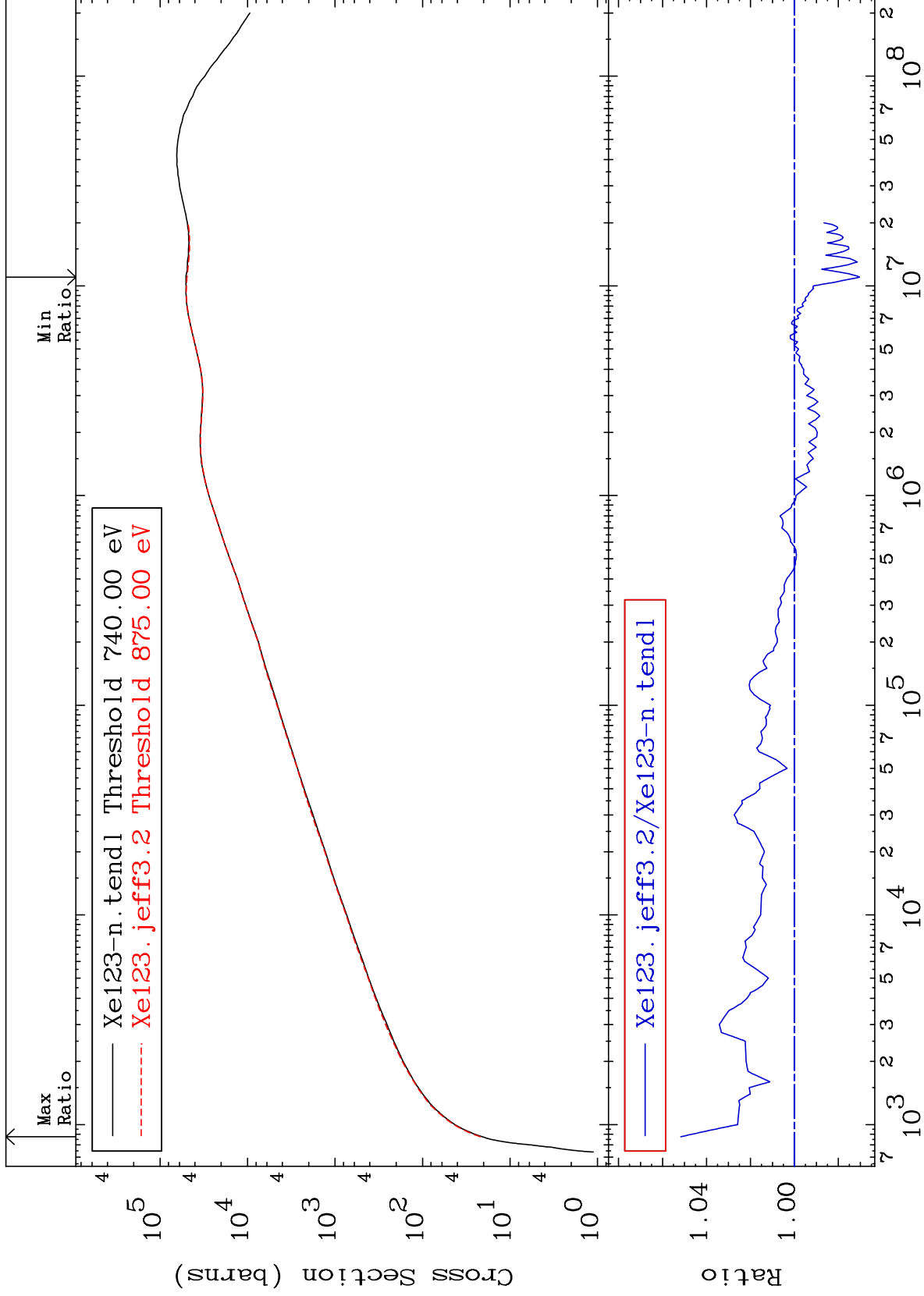
Incident Energy (eV)

54-Xe-123

MAT 5422

Dpa elastic (mt2)  
Cross Section

54-Xe-123  
-2.963 To 5.171 %



45

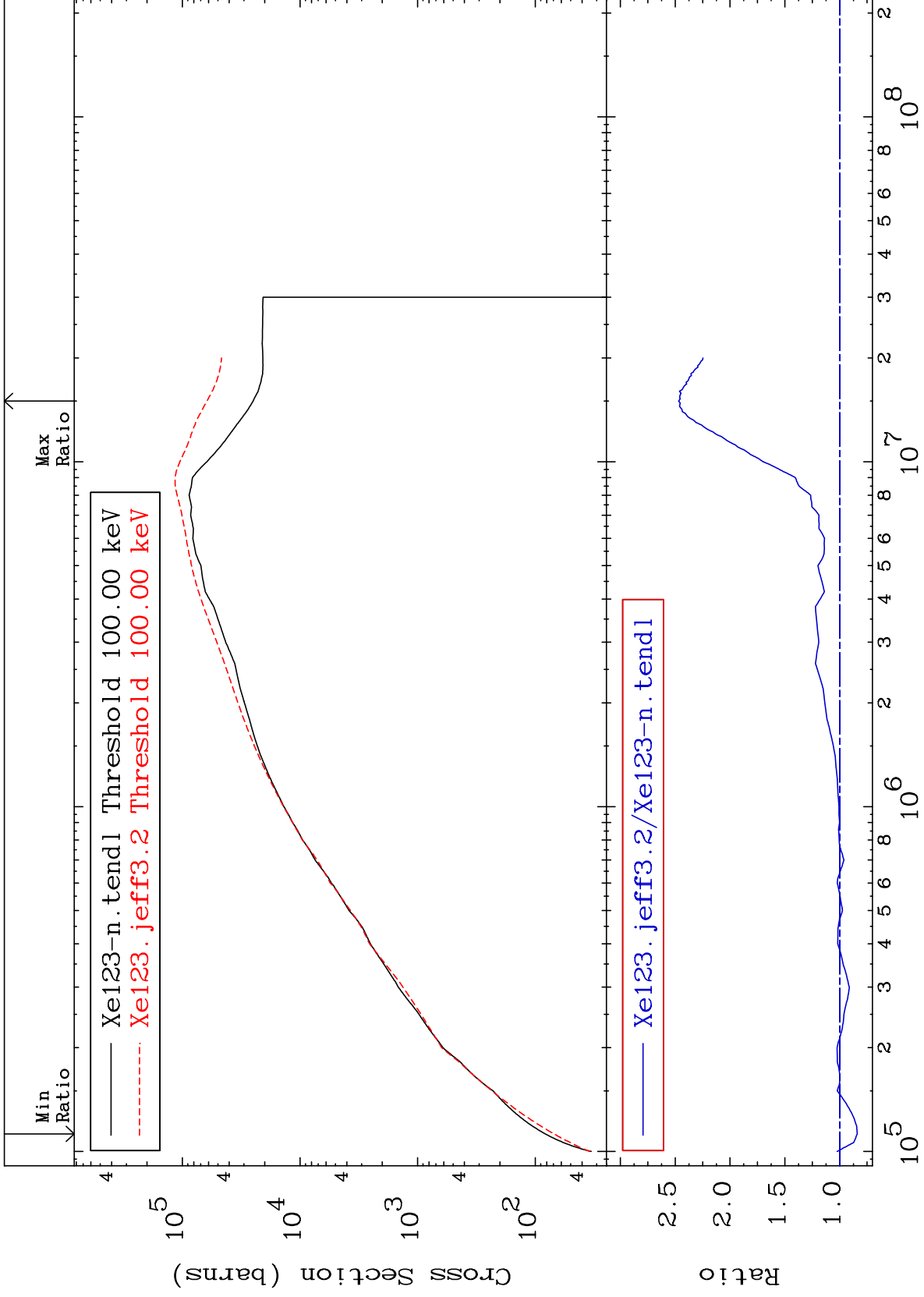
Incident Energy (eV)

54-Xe-123

MAT 5422

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-123  
-16.00 To 146.9 %



46

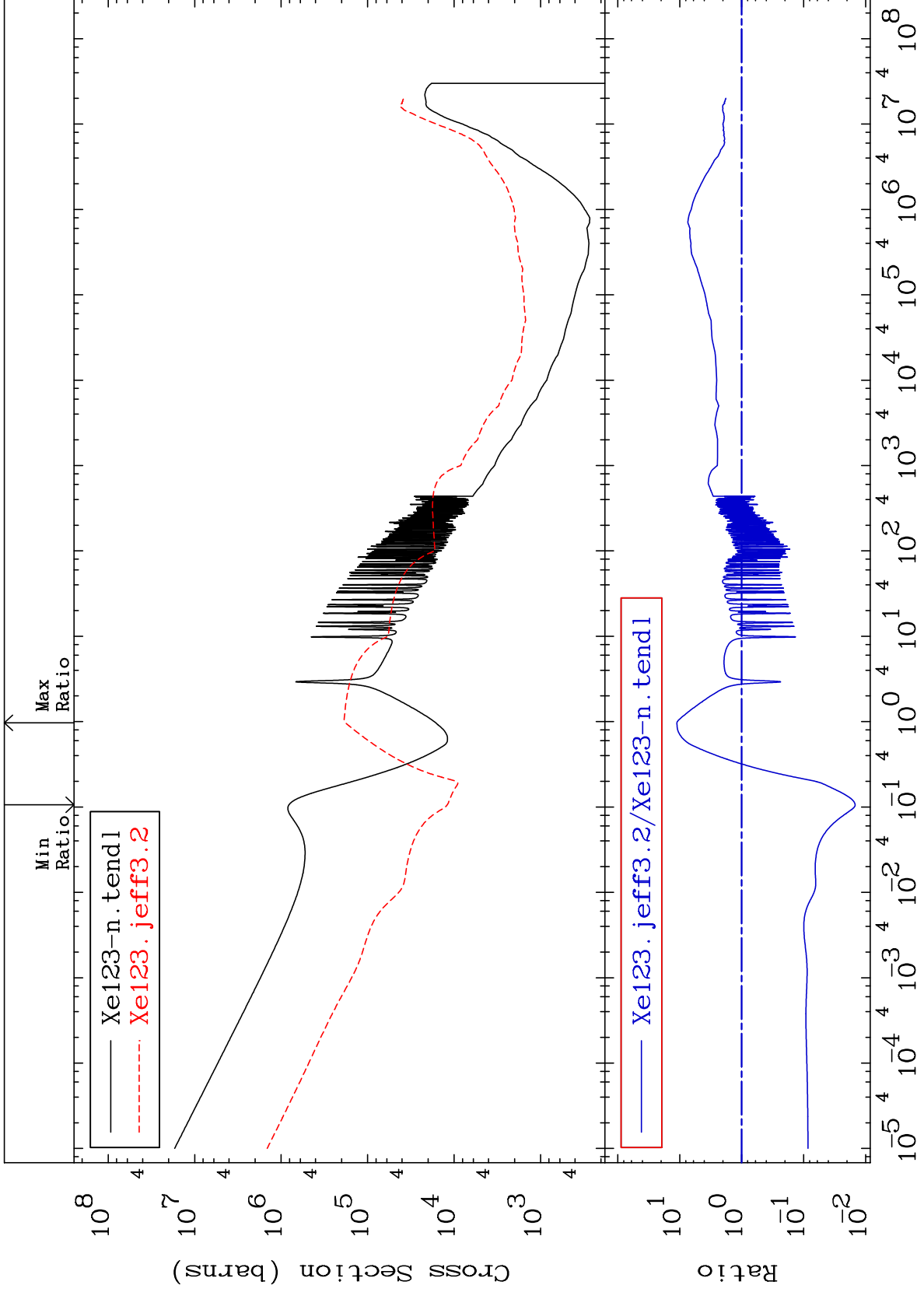
Incident Energy (eV)

54-Xe-123

MAT 5422

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-123  
-98.52 To 1009. %



47

Incident Energy (eV)

54-Xe-123