

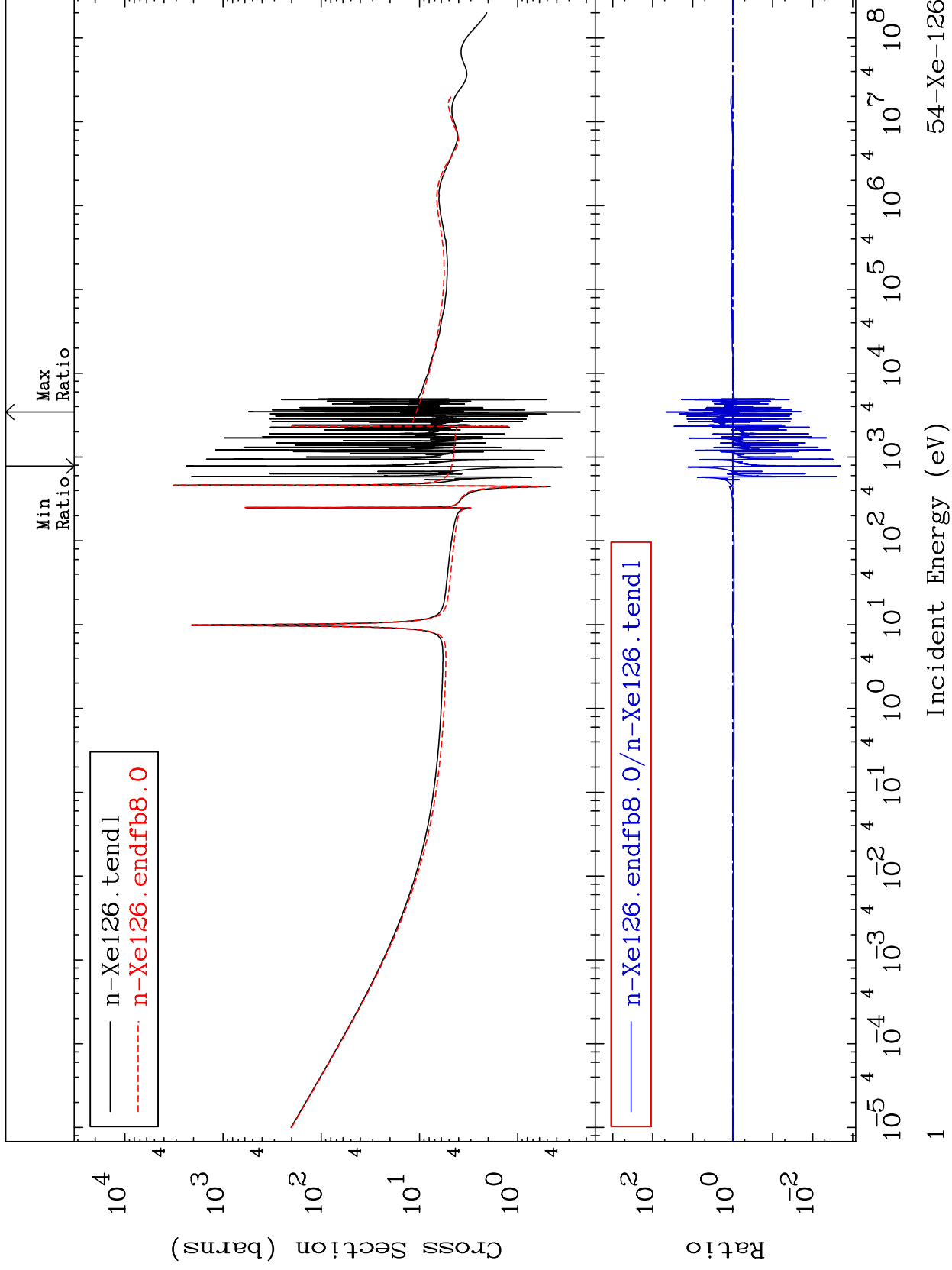
MAT 5431

Total

54-Xe-126

Cross Section

-99.80 To 4571. %

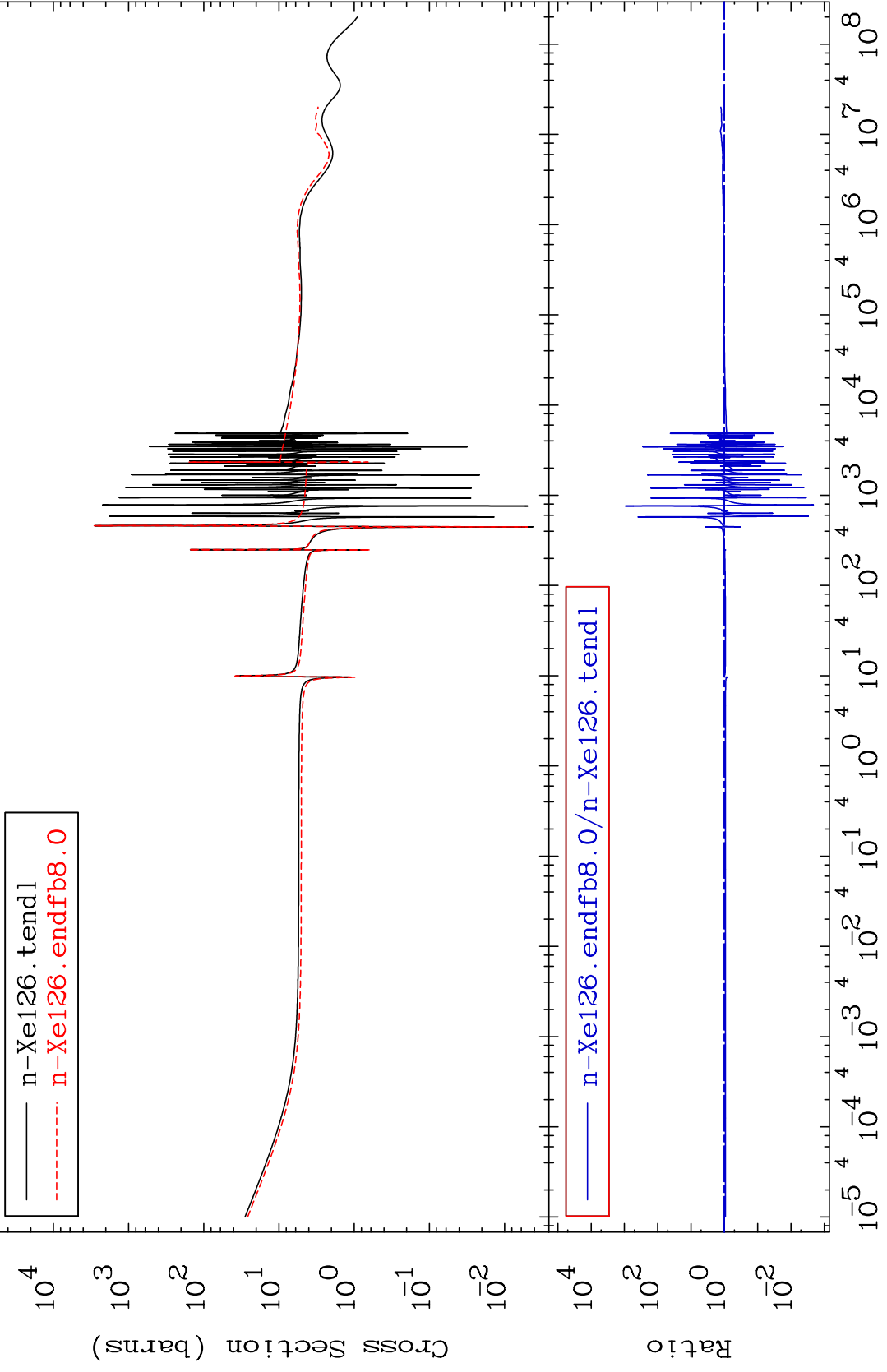


54-Xe-126

MAT 5431

Elastic  
Cross Section

54-Xe-126  
-99.79 To 9999. %



2

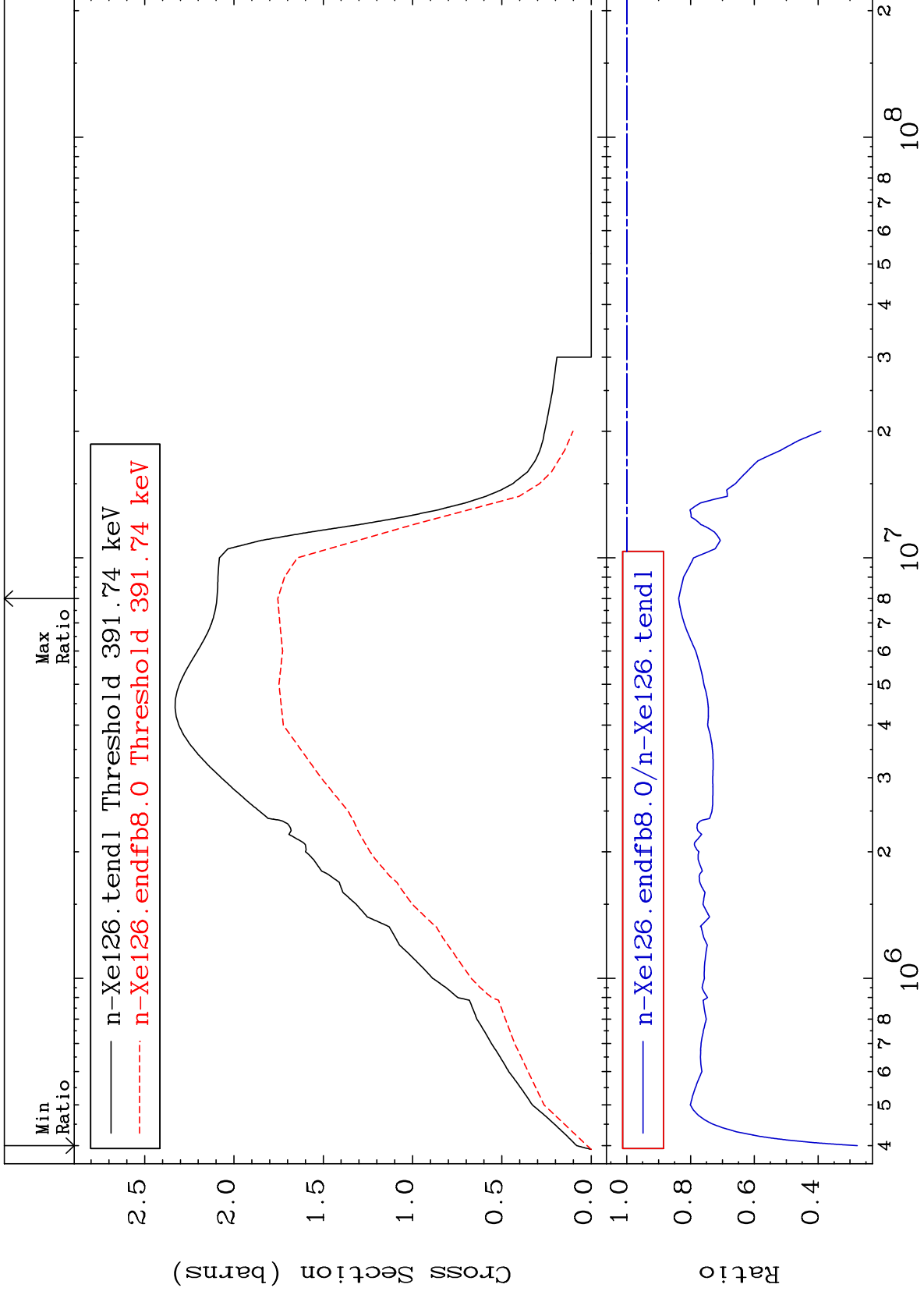
Incident Energy (eV)

54-Xe-126

MAT 5431

Inelastic  
Cross Section

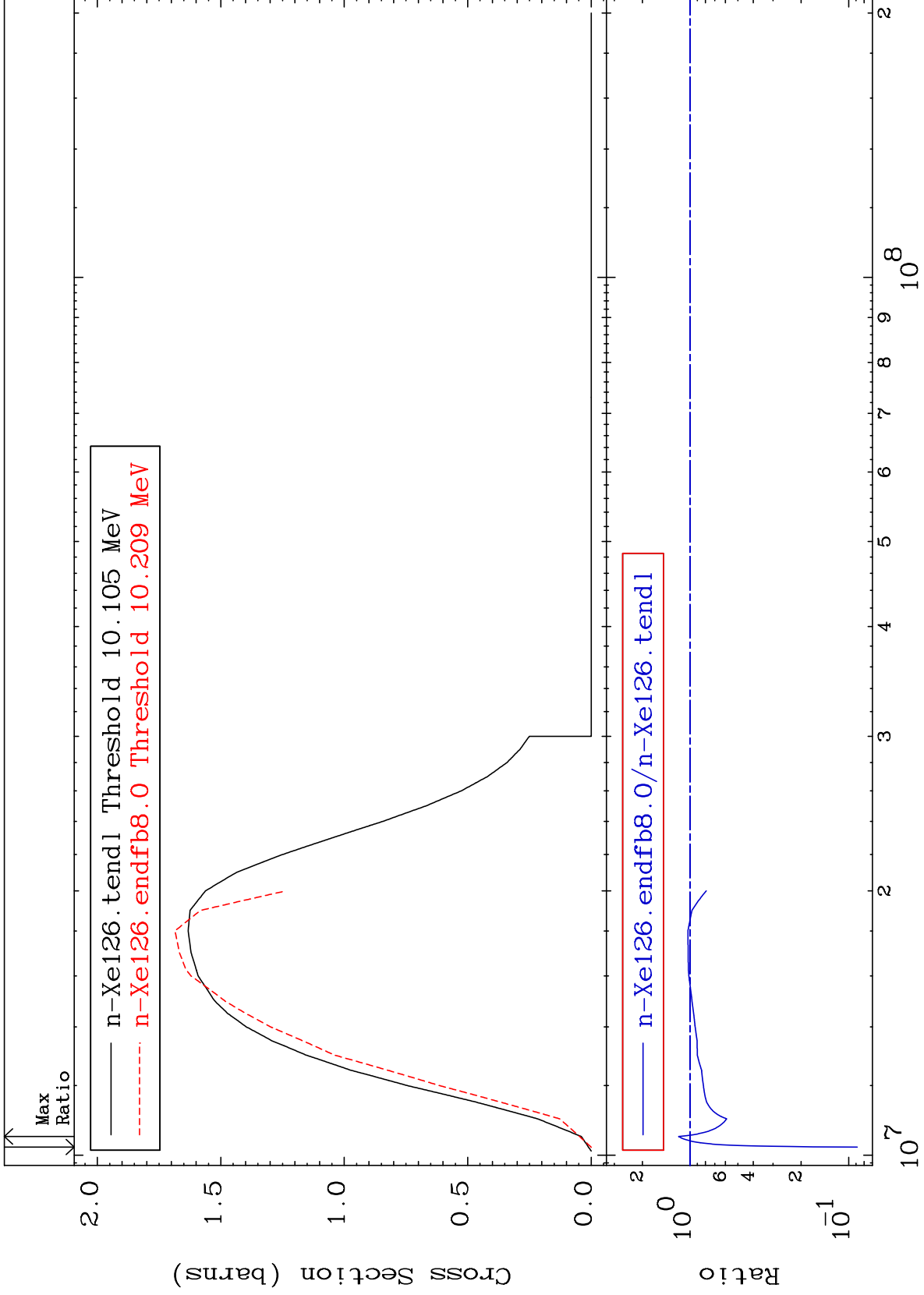
54-Xe-126  
-72.26 To -16.26%



MAT 5431

(n,2n)  
Cross Section

54-Xe-126  
-91.16 To 18.14 %



Incident Energy (eV)

54-Xe-126

MAT 5431

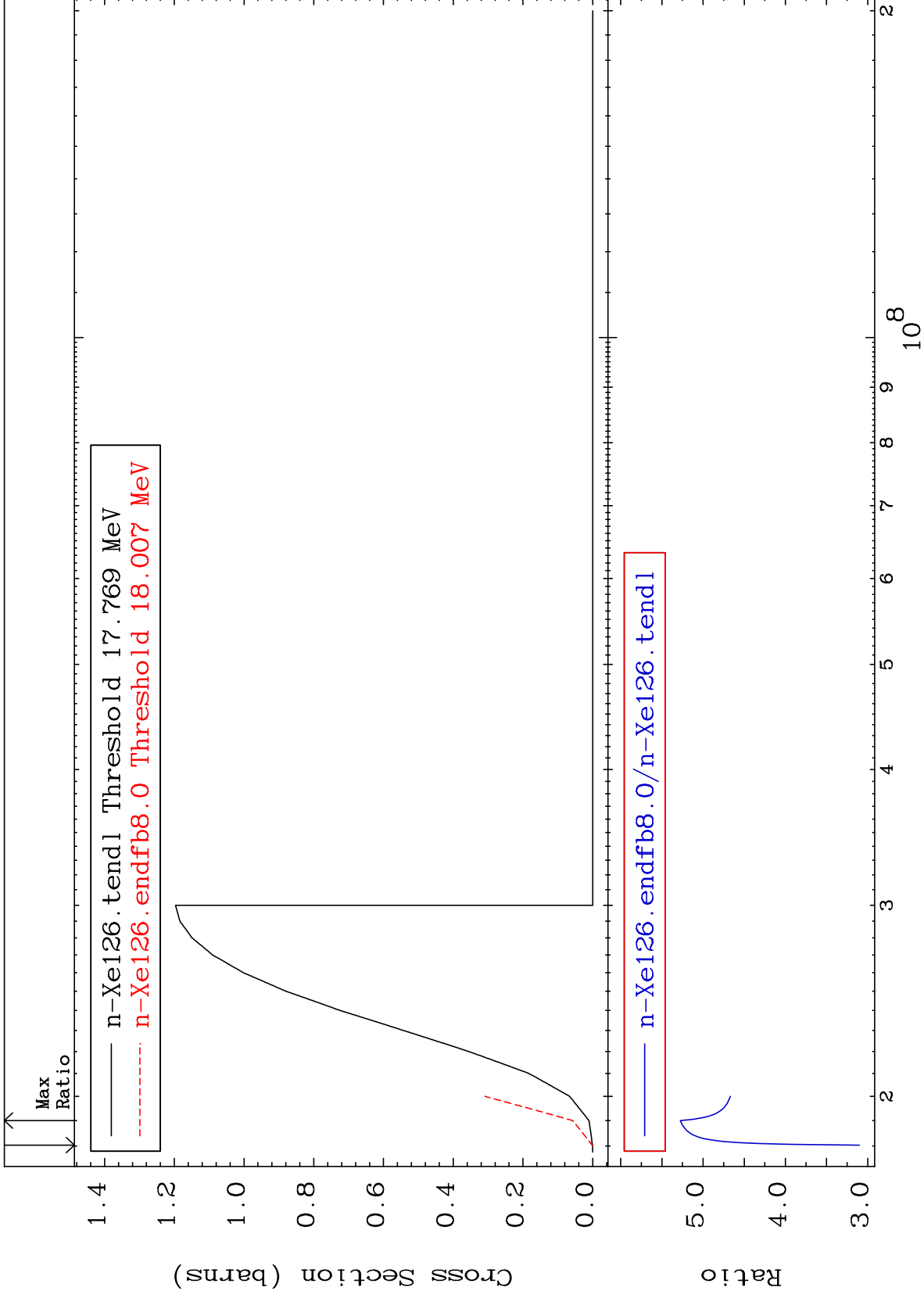
(n,3n)

54-Xe-126

Cross Section

210.0

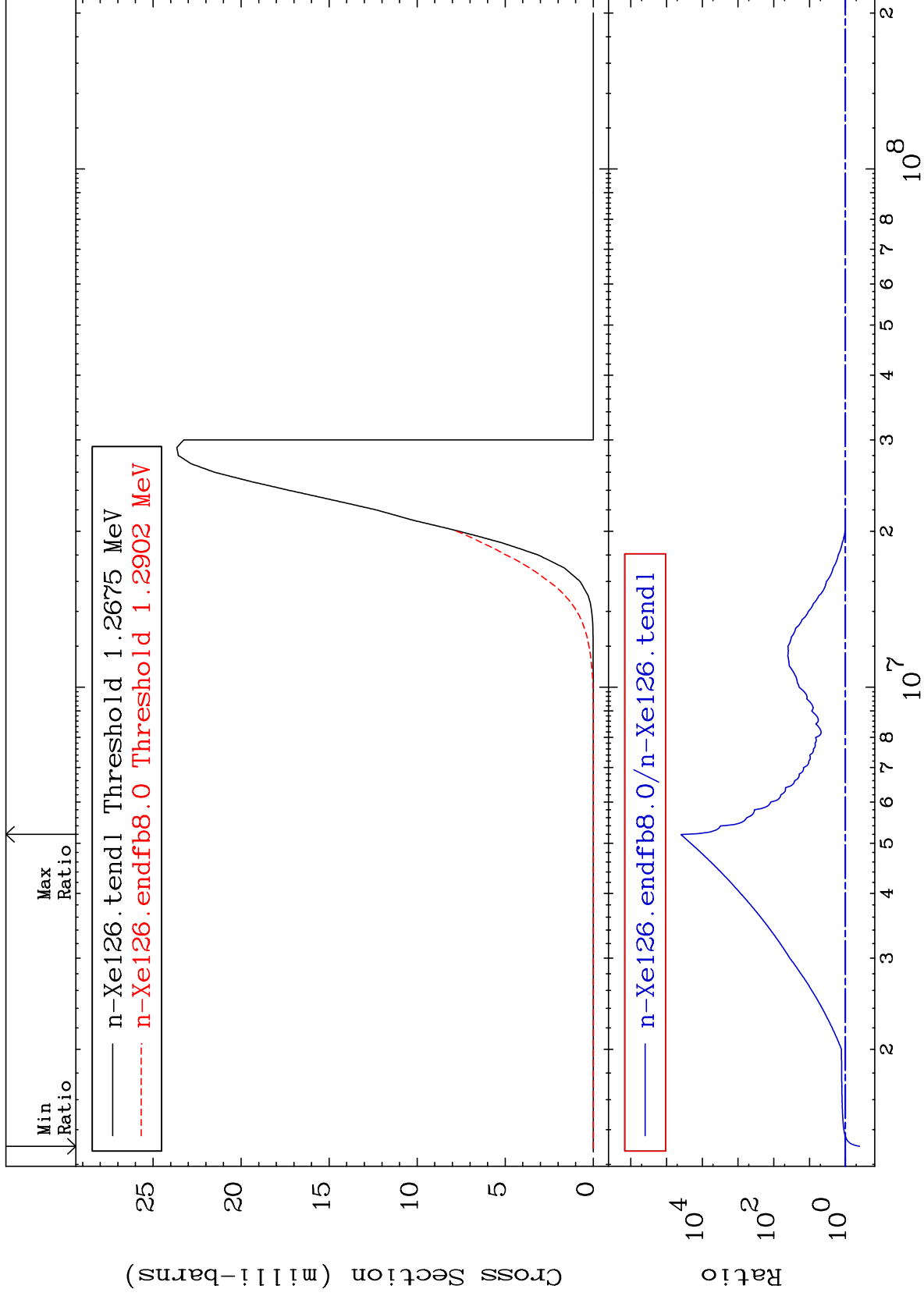
To 427.6 %



MAT 5431

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

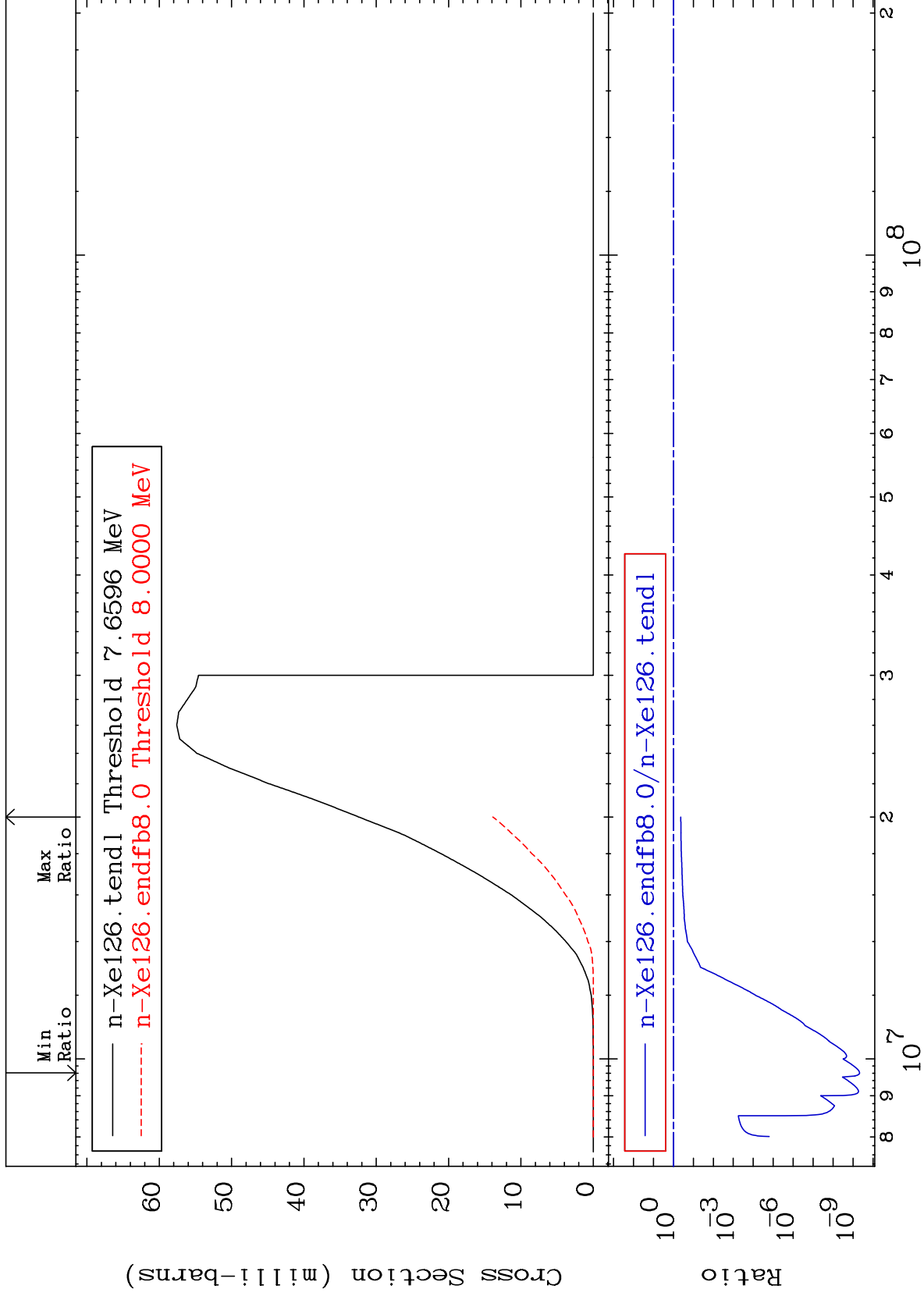
54-Xe-126  
-59.86 To 9999. %



MAT 5431

(n,n') p  
Cross Section

54-Xe-126  
-100.0 To -57.23%



7

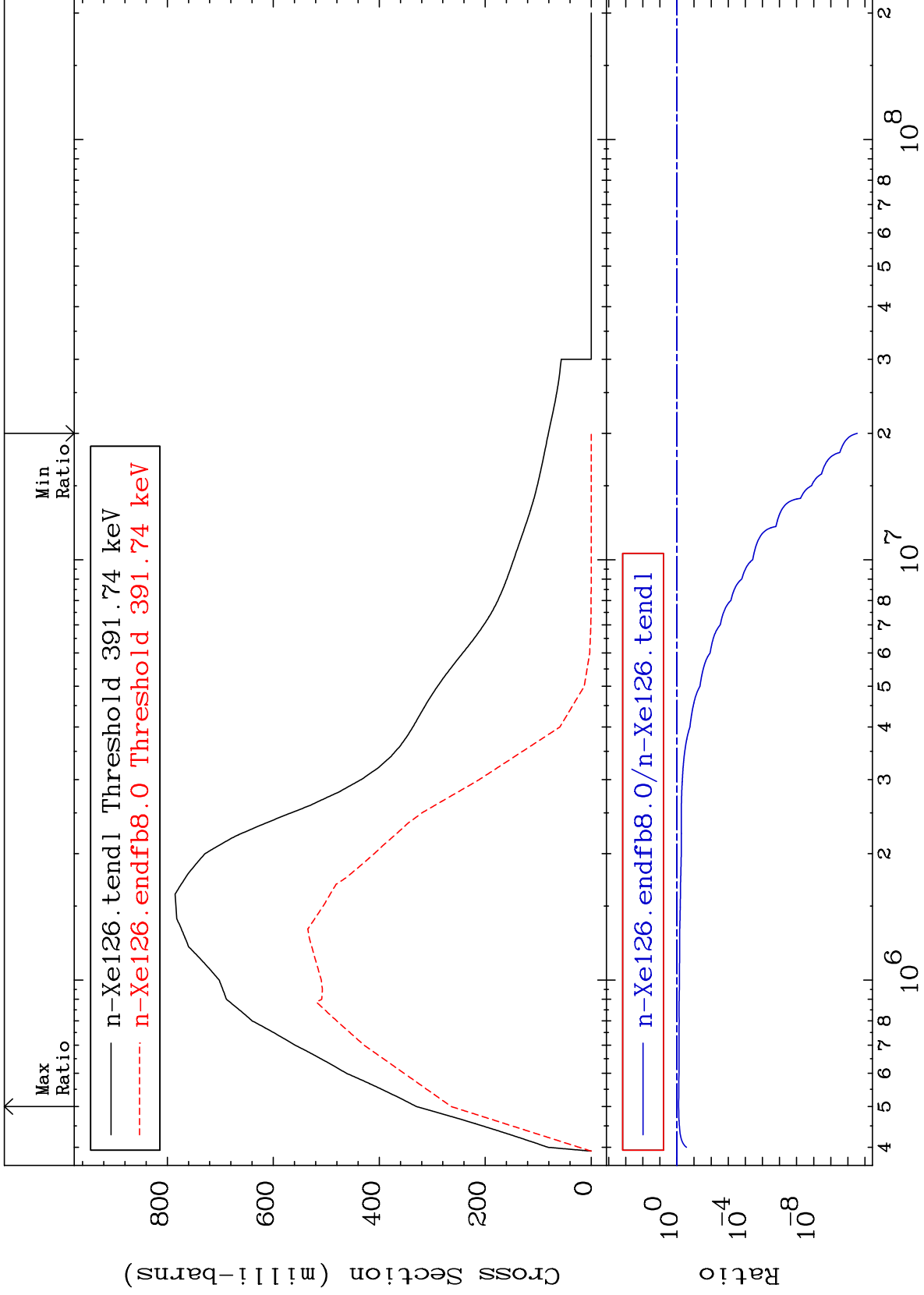
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126  
-100.0 To -19.92%

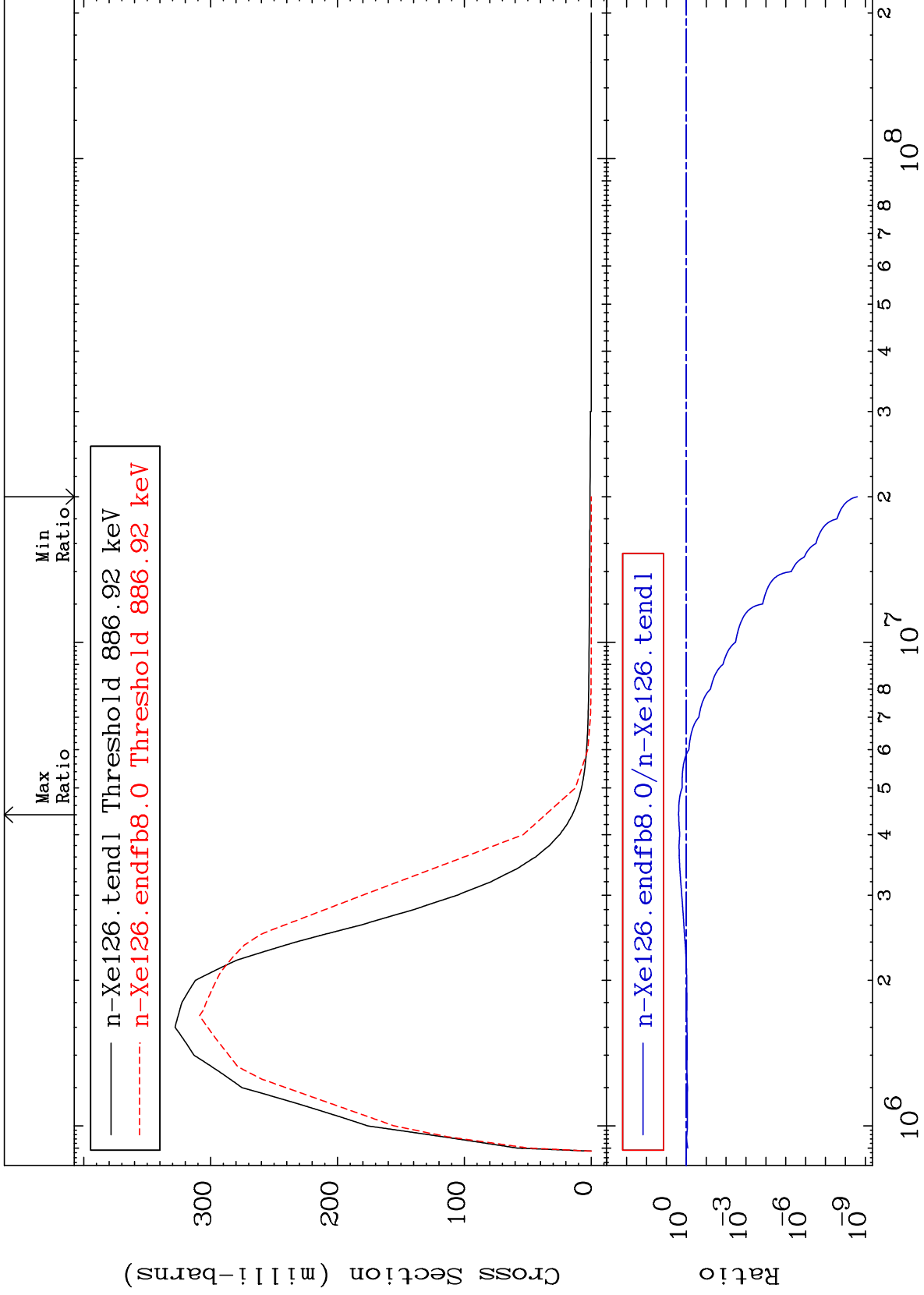




MAT 5431

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

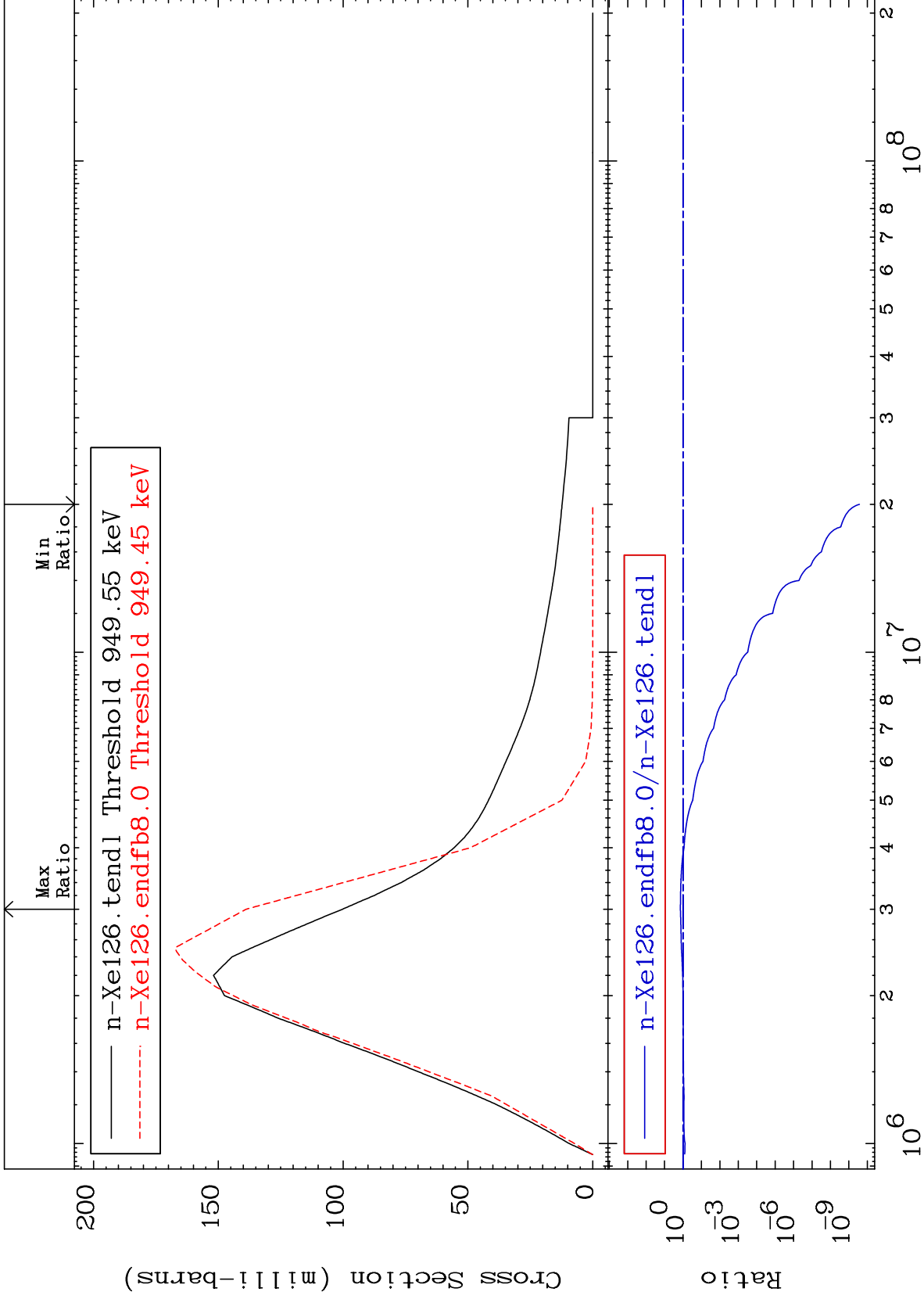
54-Xe-126  
-100.0 To 142.9 %



MAT 5431

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

54-Xe-126  
-100.0 To 38.55 %



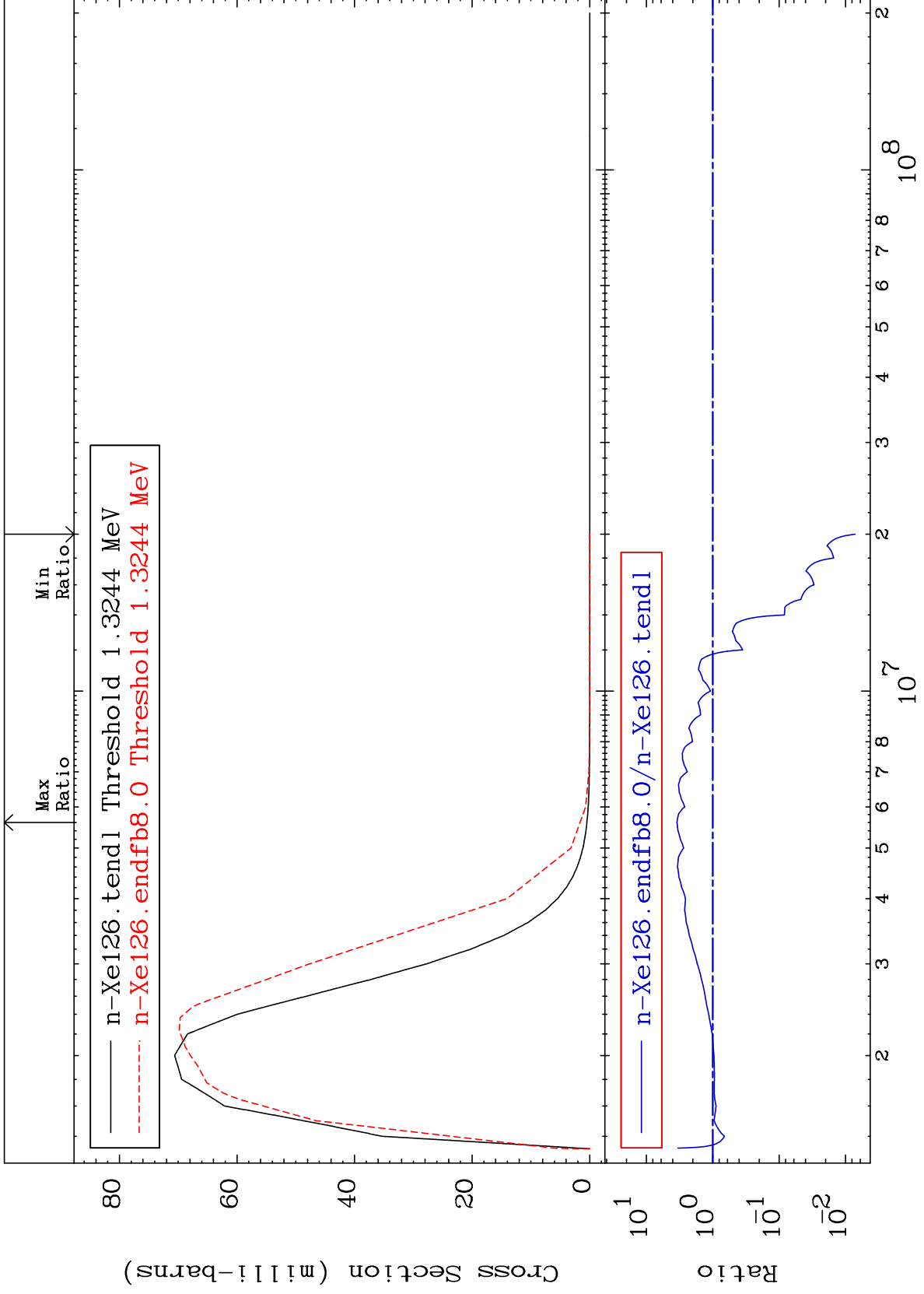
Incident Energy (eV)

54-Xe-126

MAT 5431

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

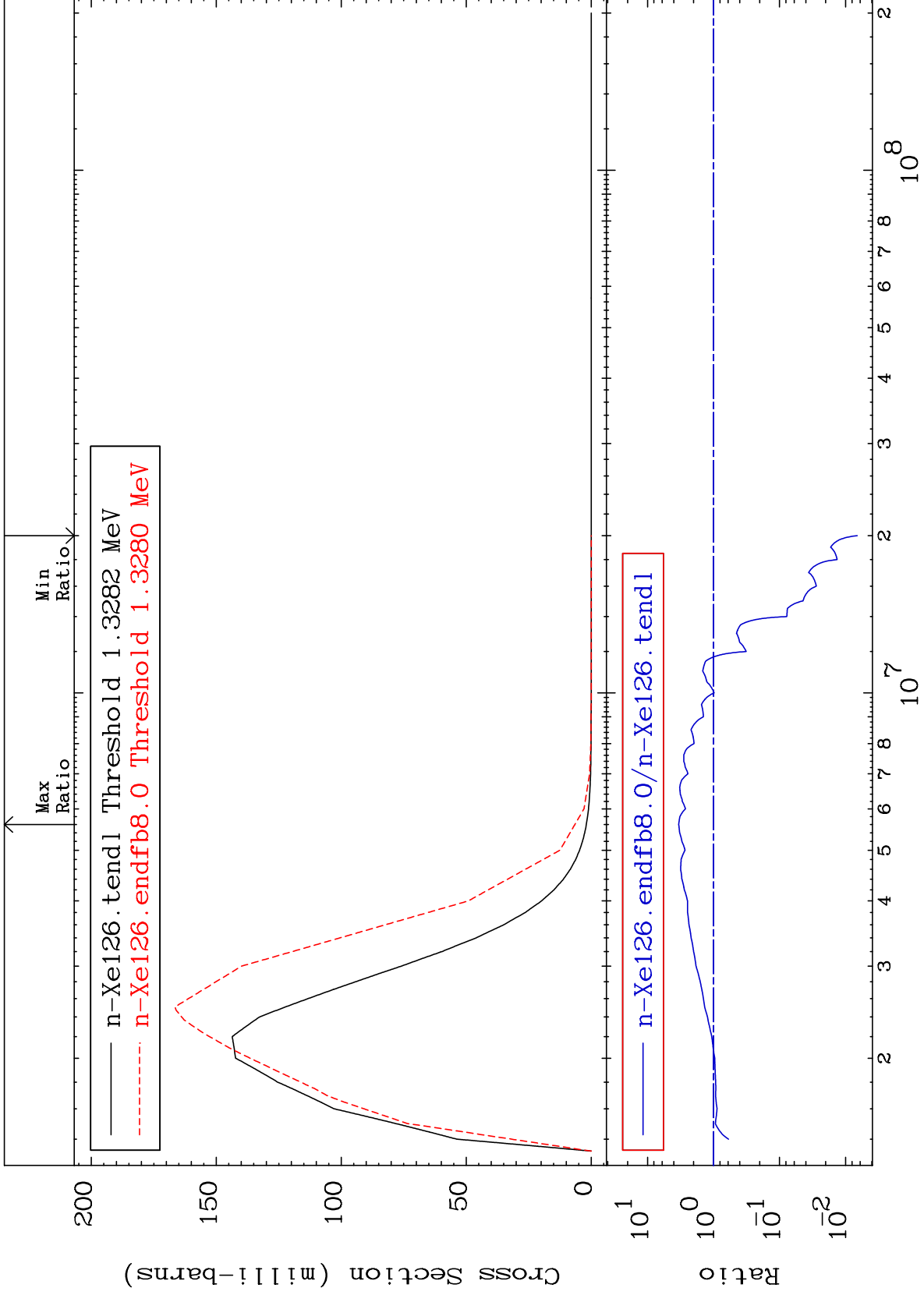
54-Xe-126  
-99.28 To 247.0 %



MAT 5431

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

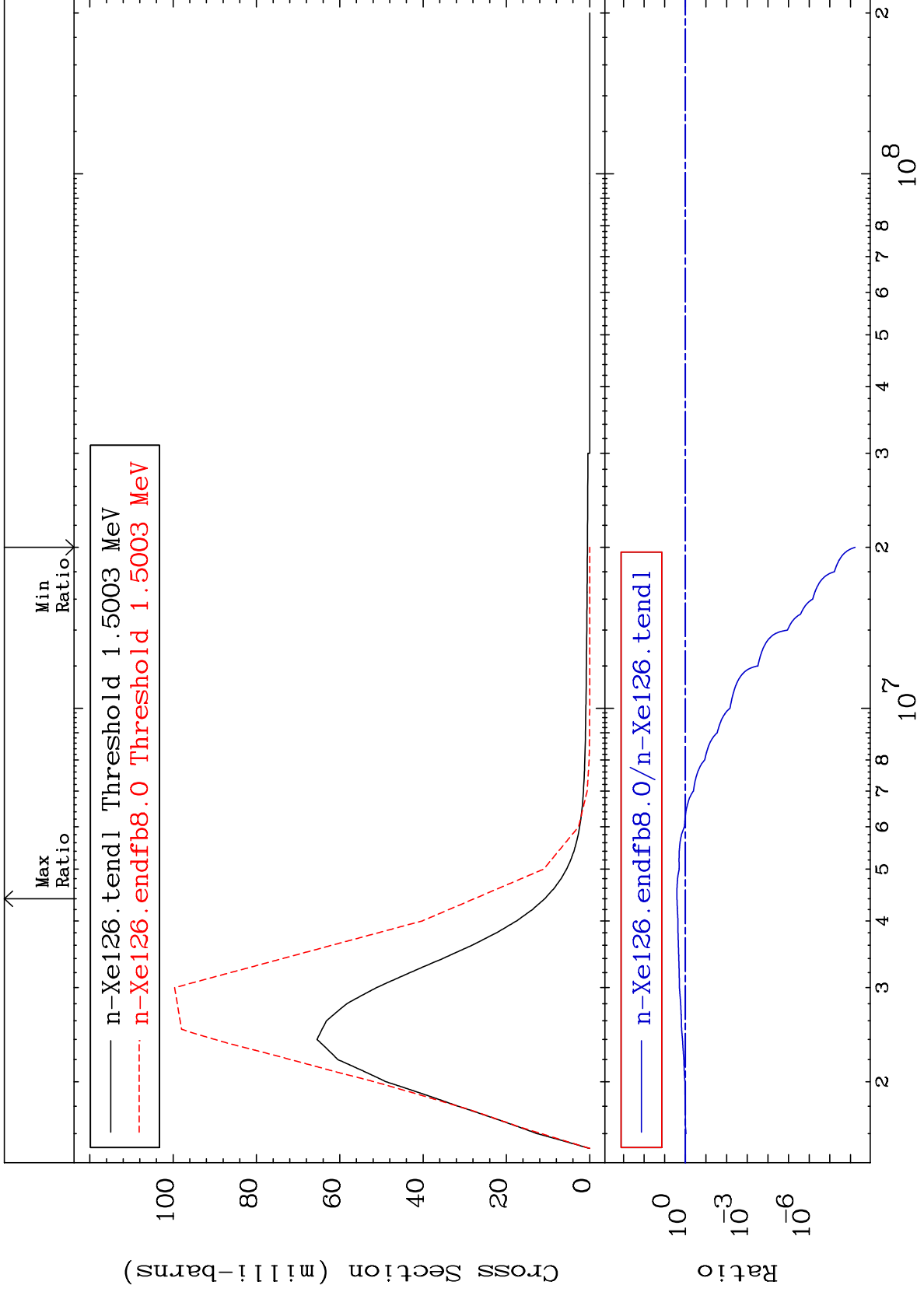
54-Xe-126  
-99.34 To 237.6 %



MAT 5431

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

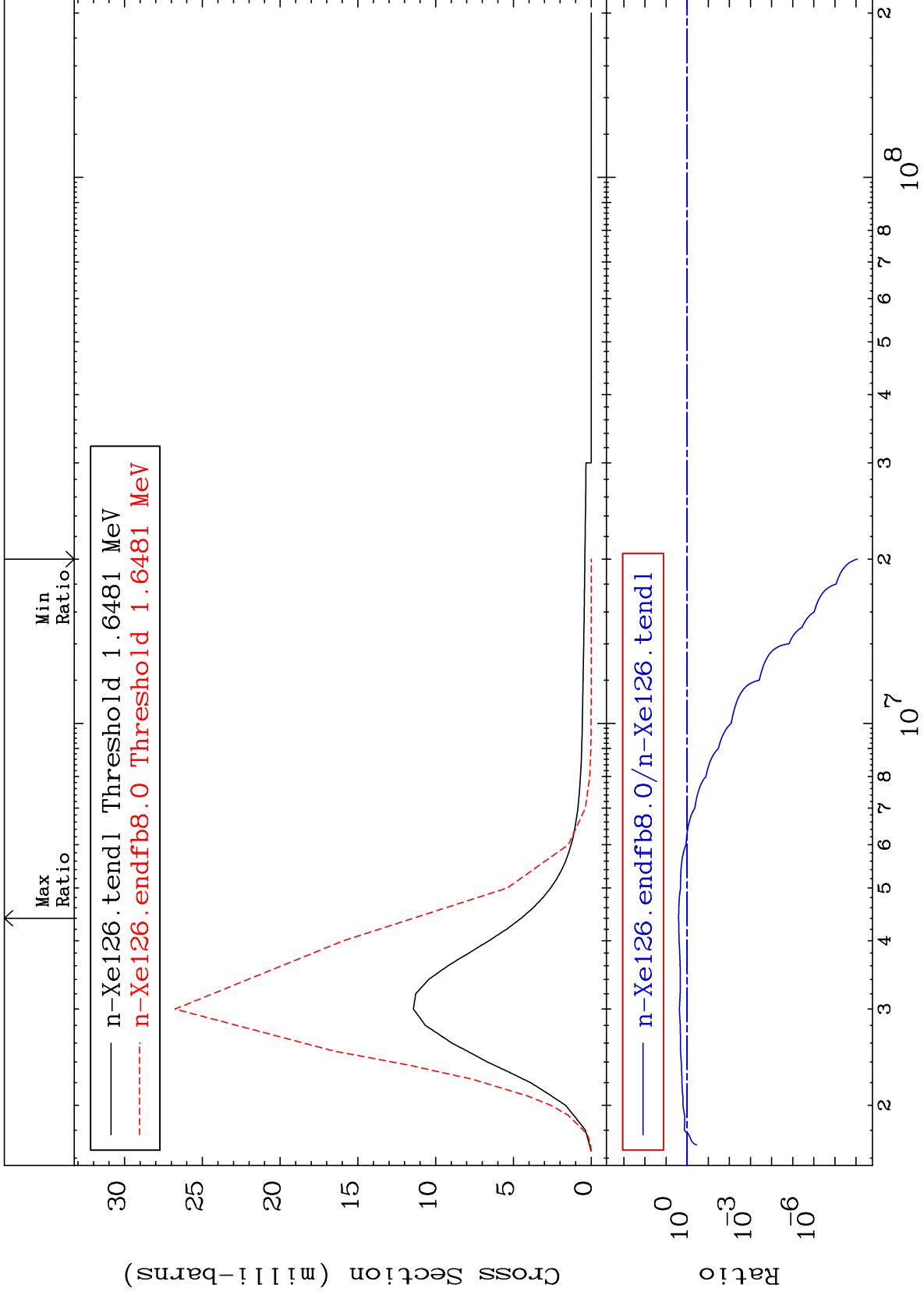
54-Xe-126  
-100.0 To 156.6 %



MAT 5431

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

54-Xe-126  
-100.0 To 154.3 %



14

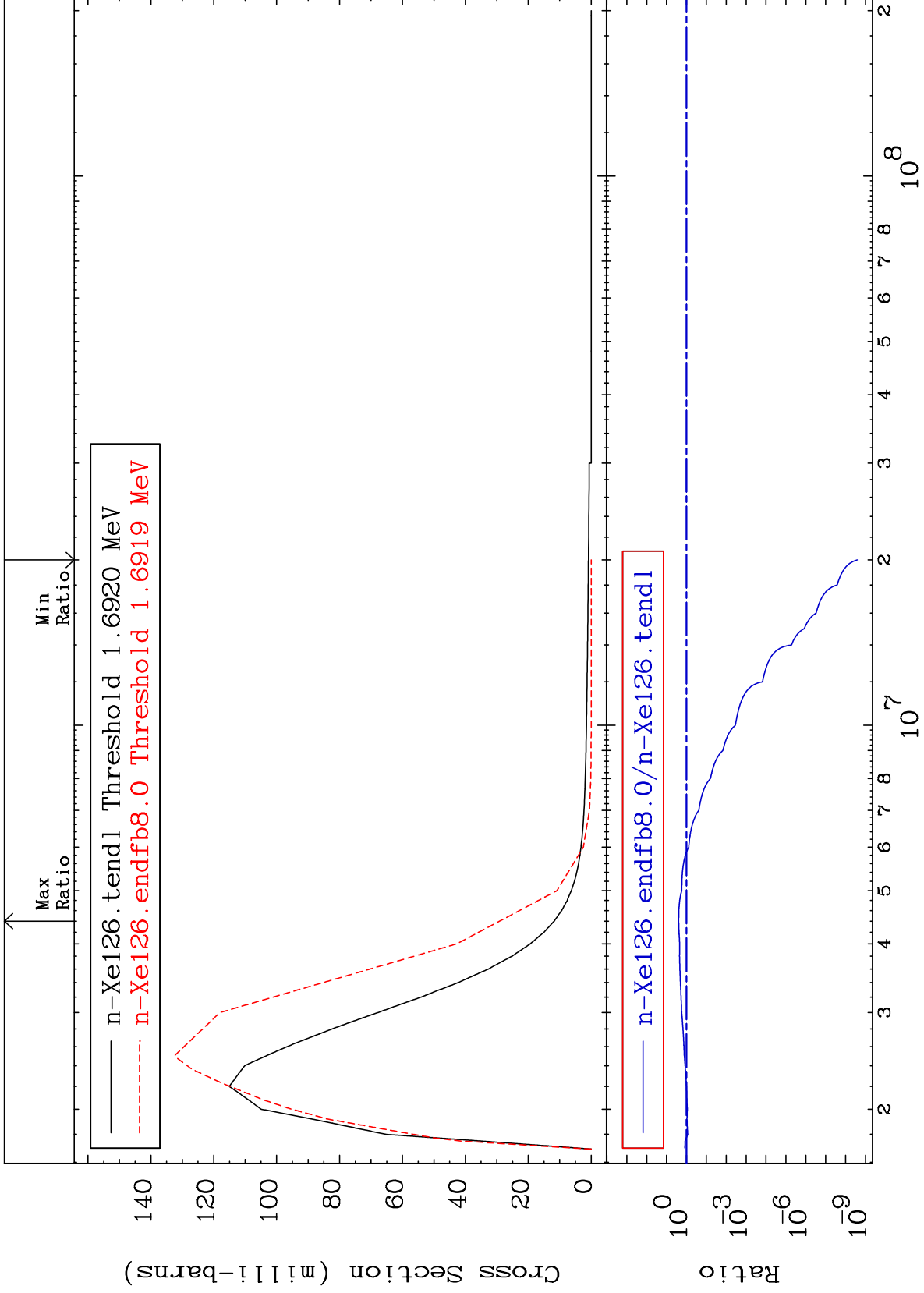
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126  
-100.0 To 147.4 %



15

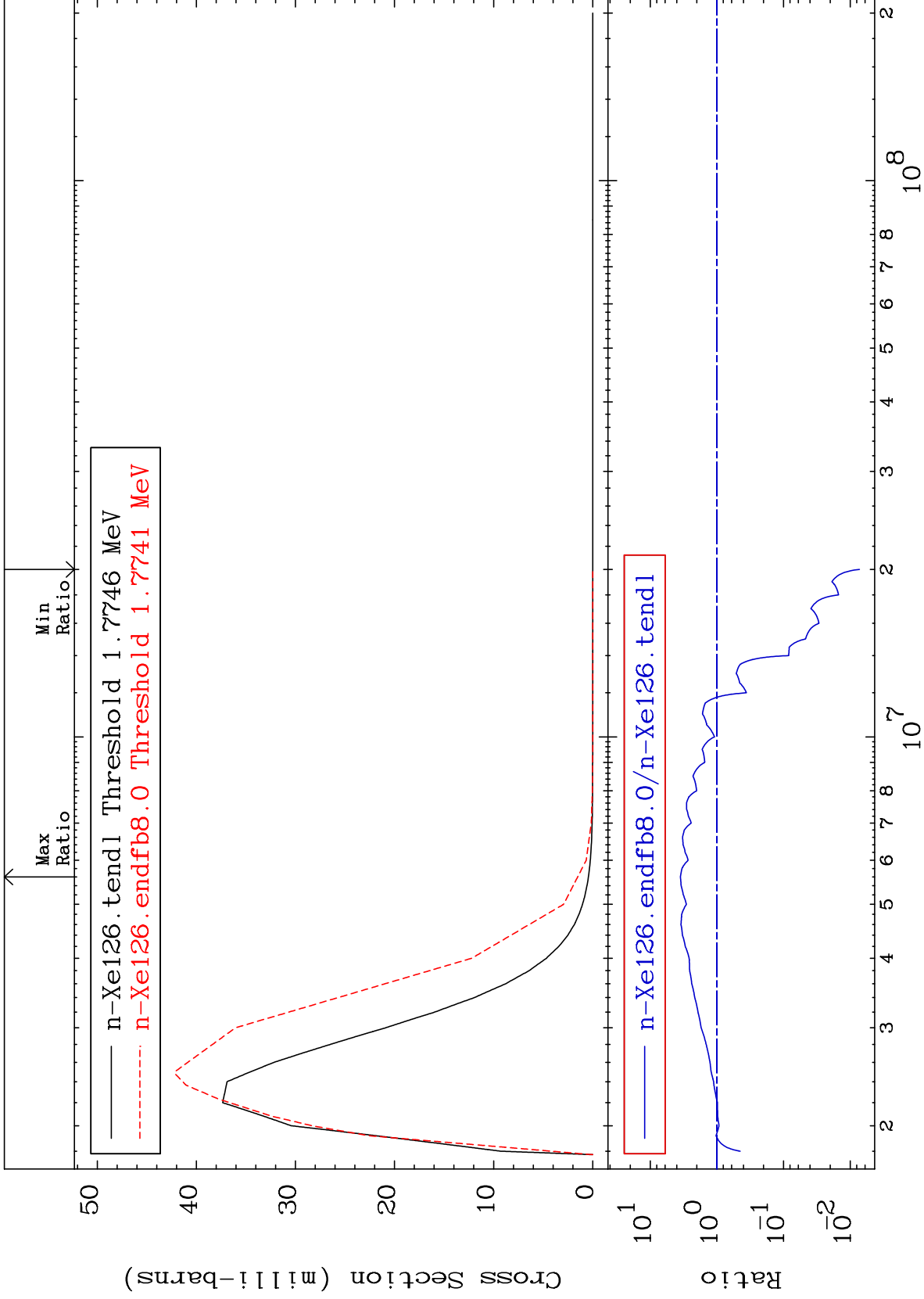
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126  
-99.27 To 253.5 %

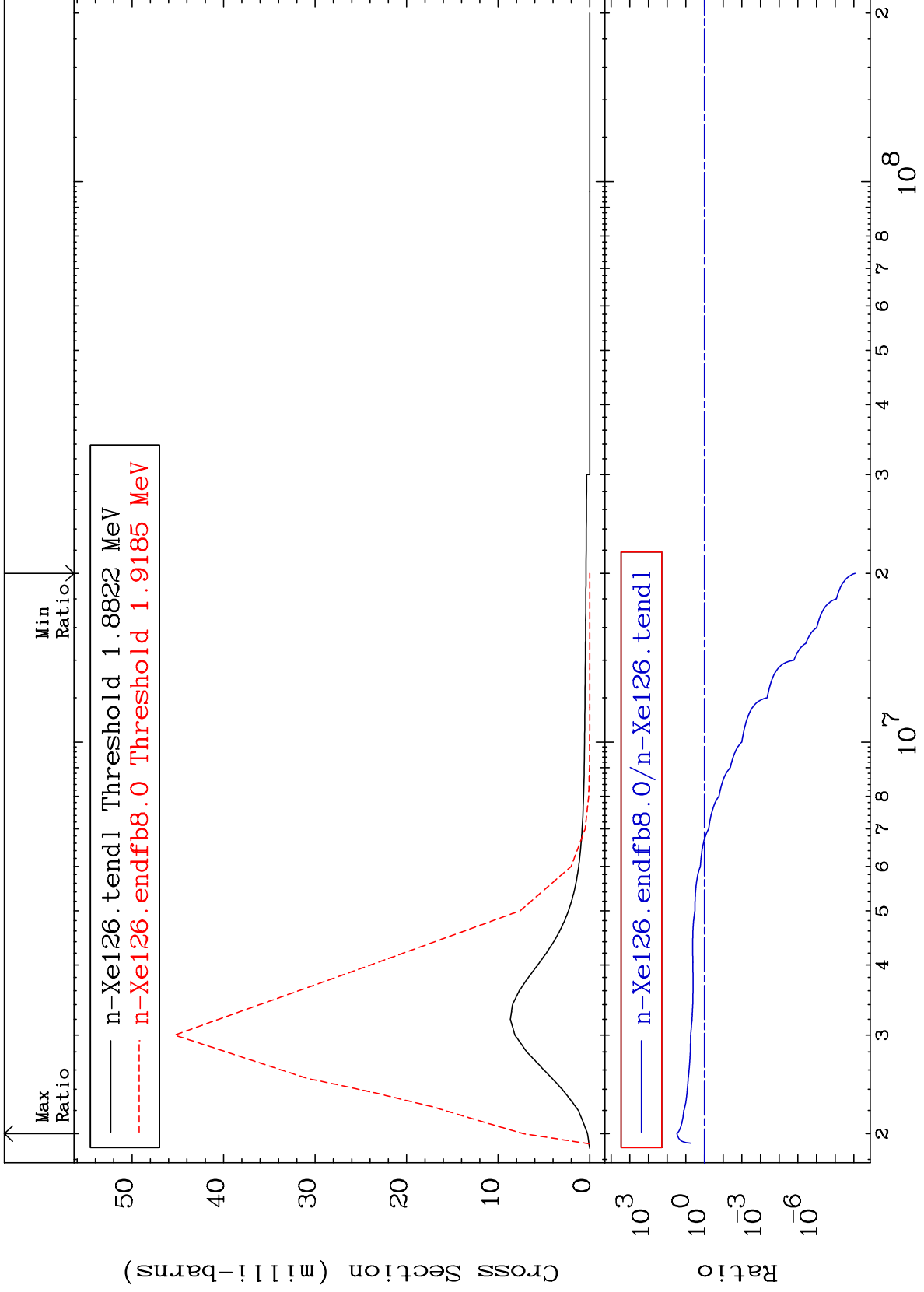




MAT 5431

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

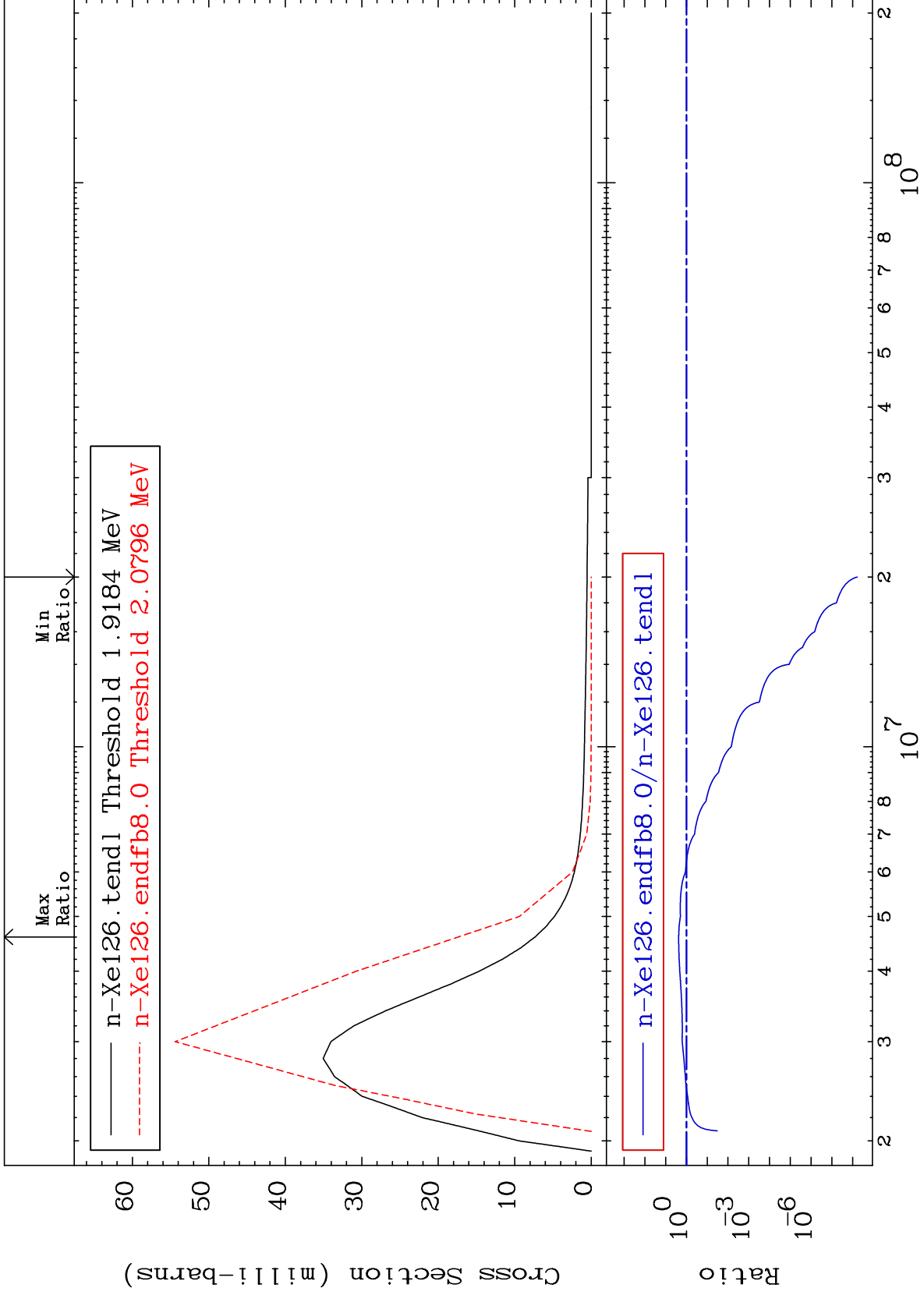
54-Xe-126  
-100.0 To 2906. %



MAT 5431

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

54-Xe-126  
-100.0 To 136.8 %



18

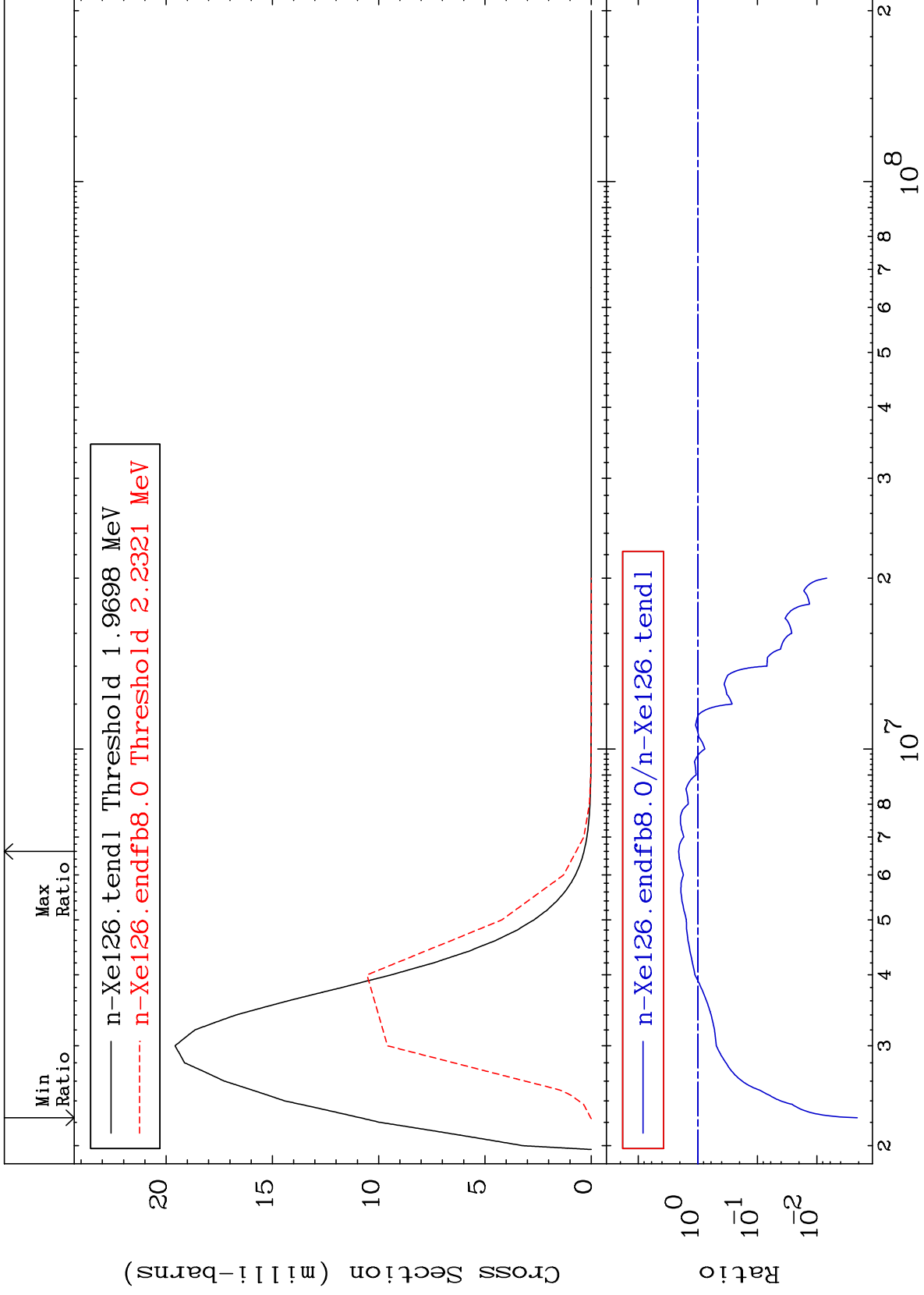
Incident Energy (eV)

54-Xe-126

MAT 5431

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

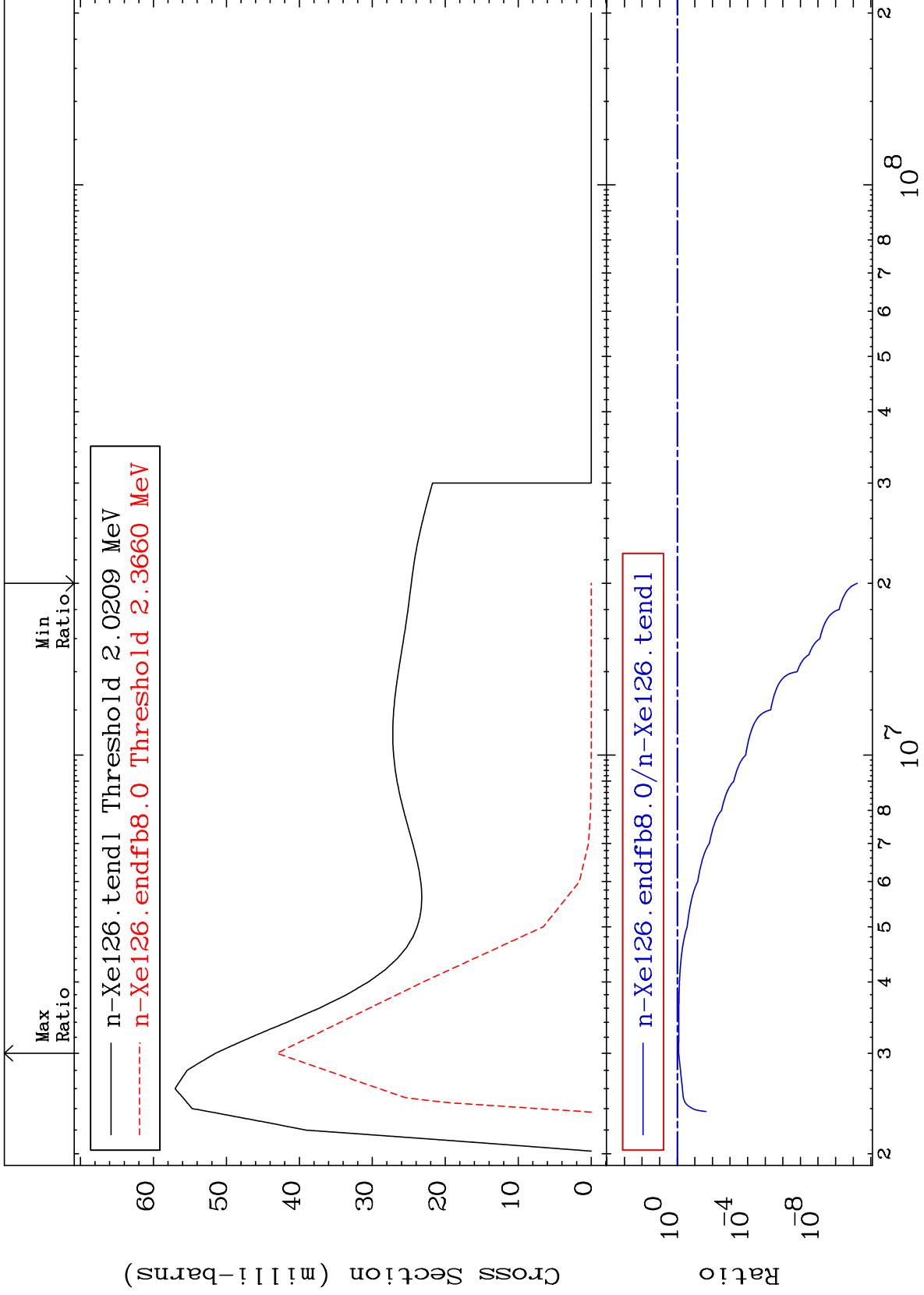
54-Xe-126  
-99.79 To 110.1 %



MAT 5431

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

54-Xe-126  
-100.0 To -16.32%



20

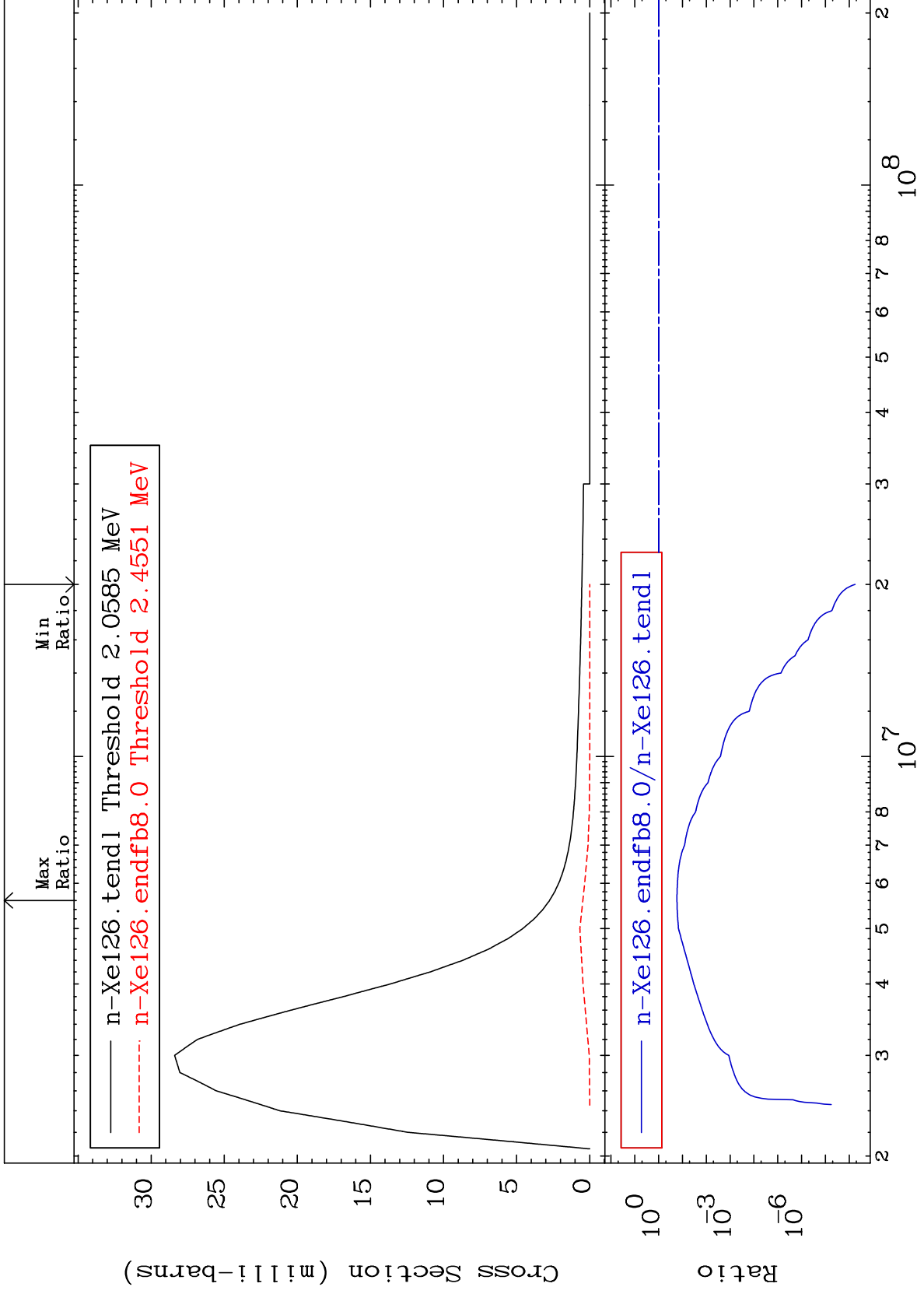
Incident Energy (eV)

54-Xe-126

MAT 5431

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

54-Xe-126  
-100.0 To -82.93%



21

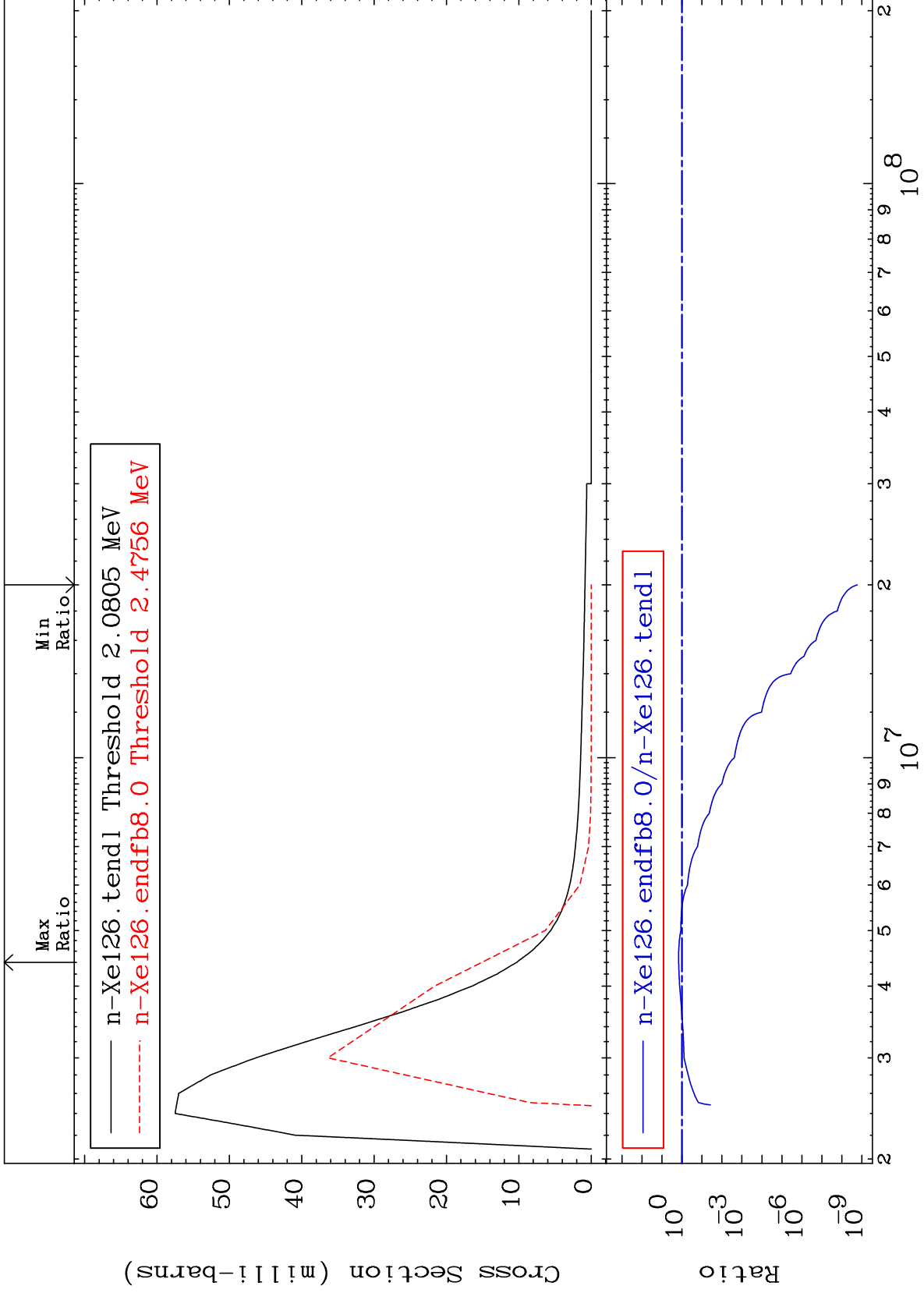
Incident Energy (eV)

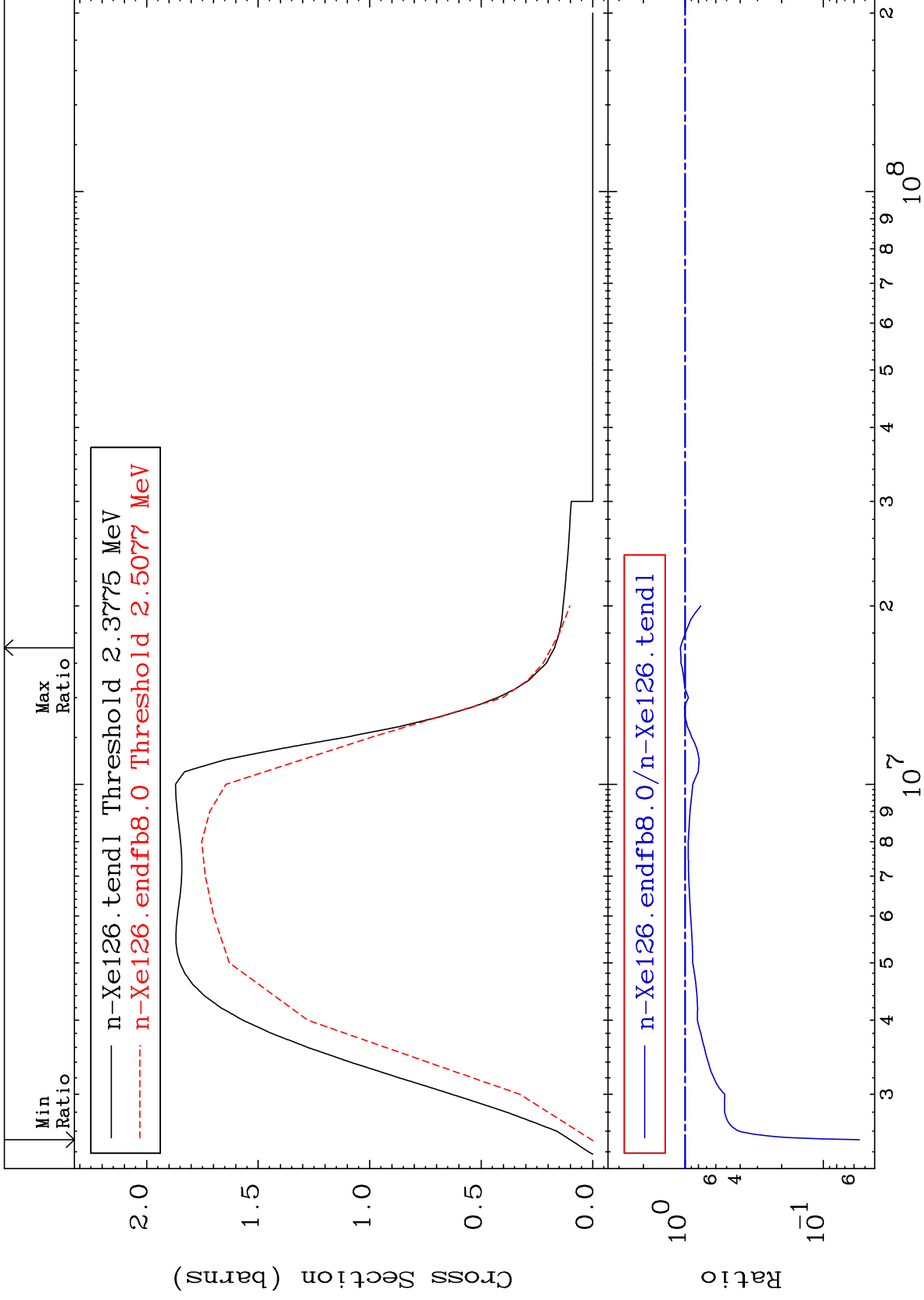
54-Xe-126

MAT 5431

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

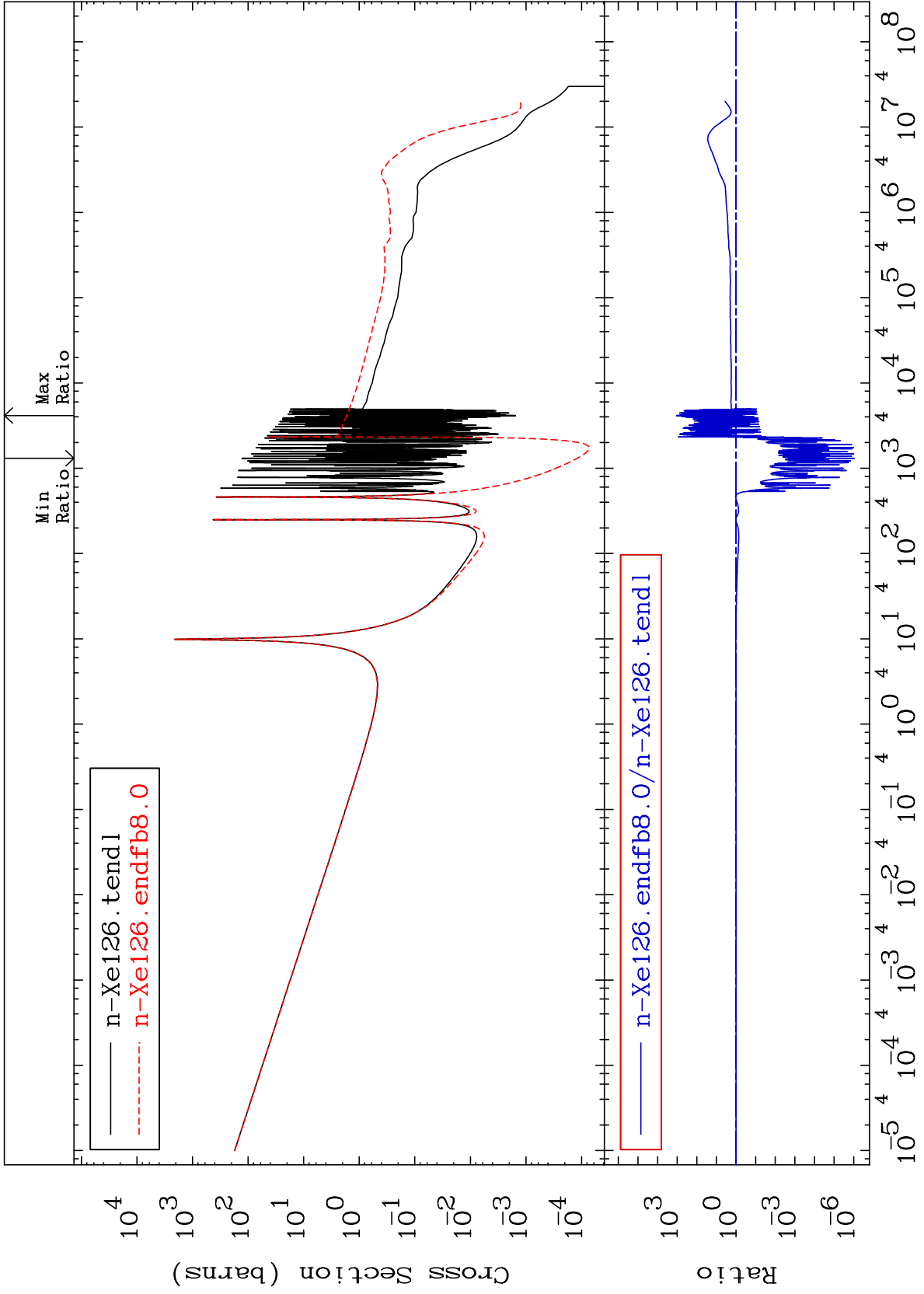
54-Xe-126  
-100.0 To 46.80 %





MAT 5431

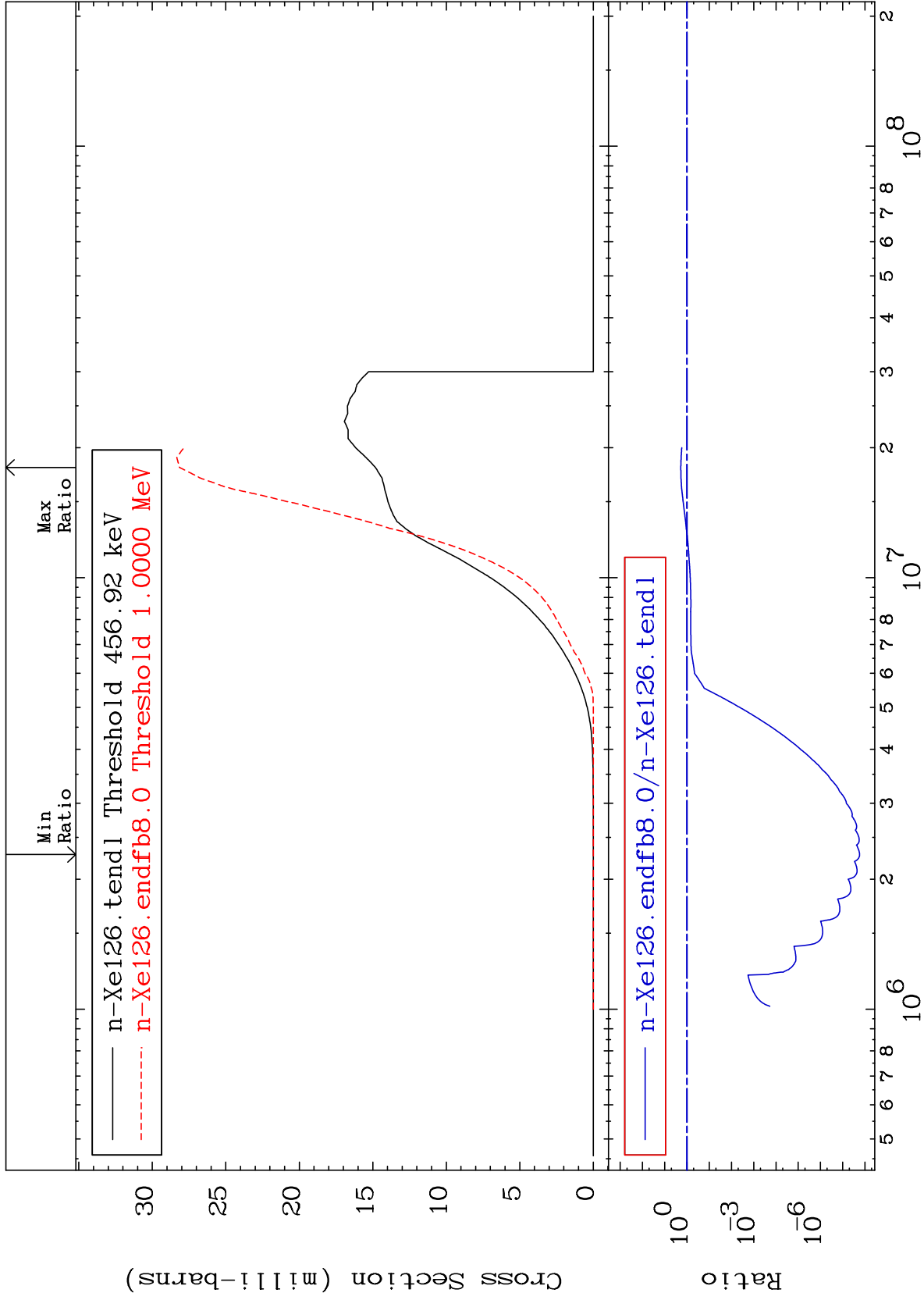
(n,  $\gamma$ )  
Cross Section  
54-Xe-126  
-100.0 To 9999. %





MAT 5431

(n,p)  
Cross Section  
54-Xe-126  
-100.0 To 90.00 %



25

Incident Energy (eV)

54-Xe-126

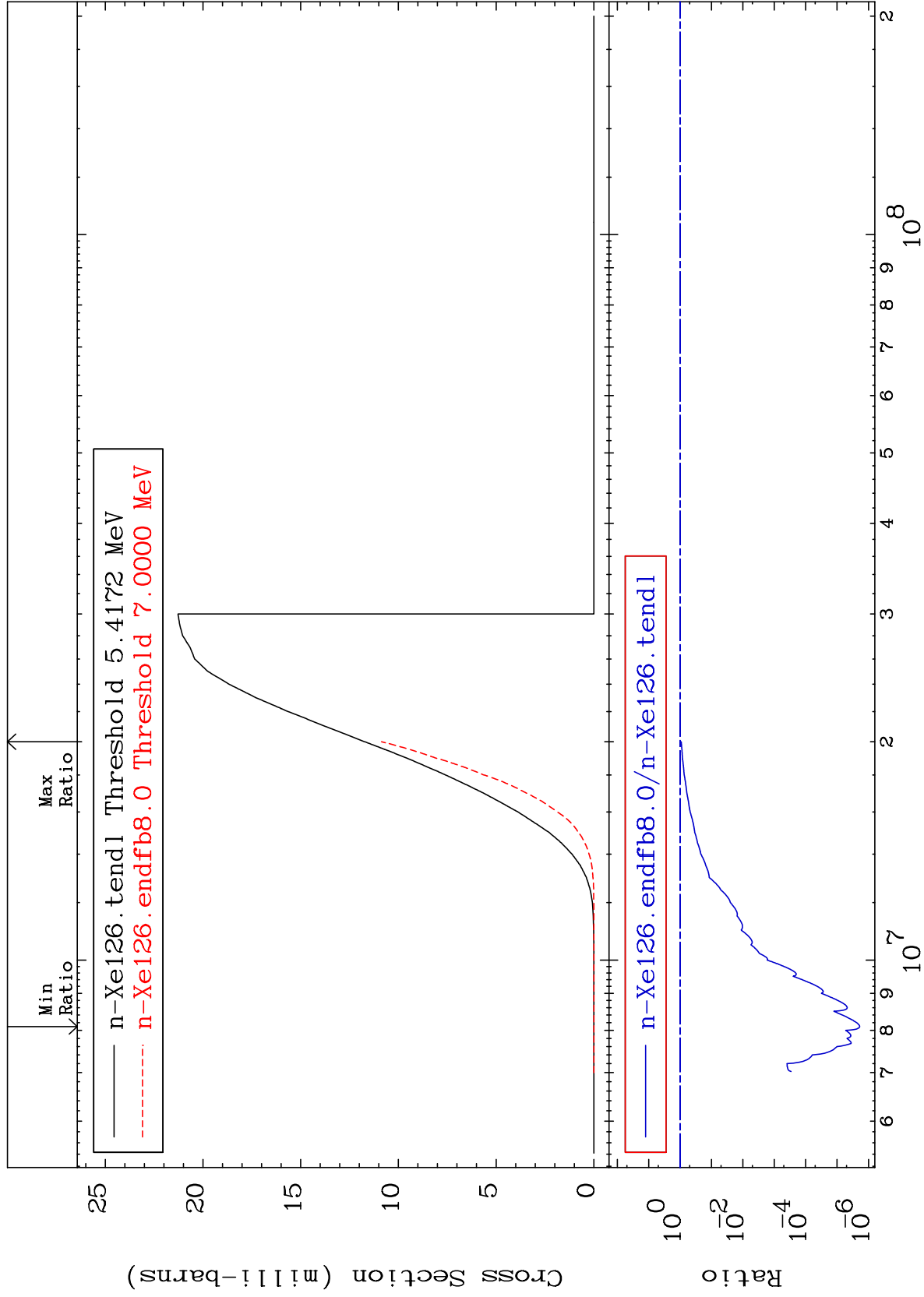
MAT 5431

(n, d)

54-Xe-126

Cross Section

-100.0 To -7.415%



26

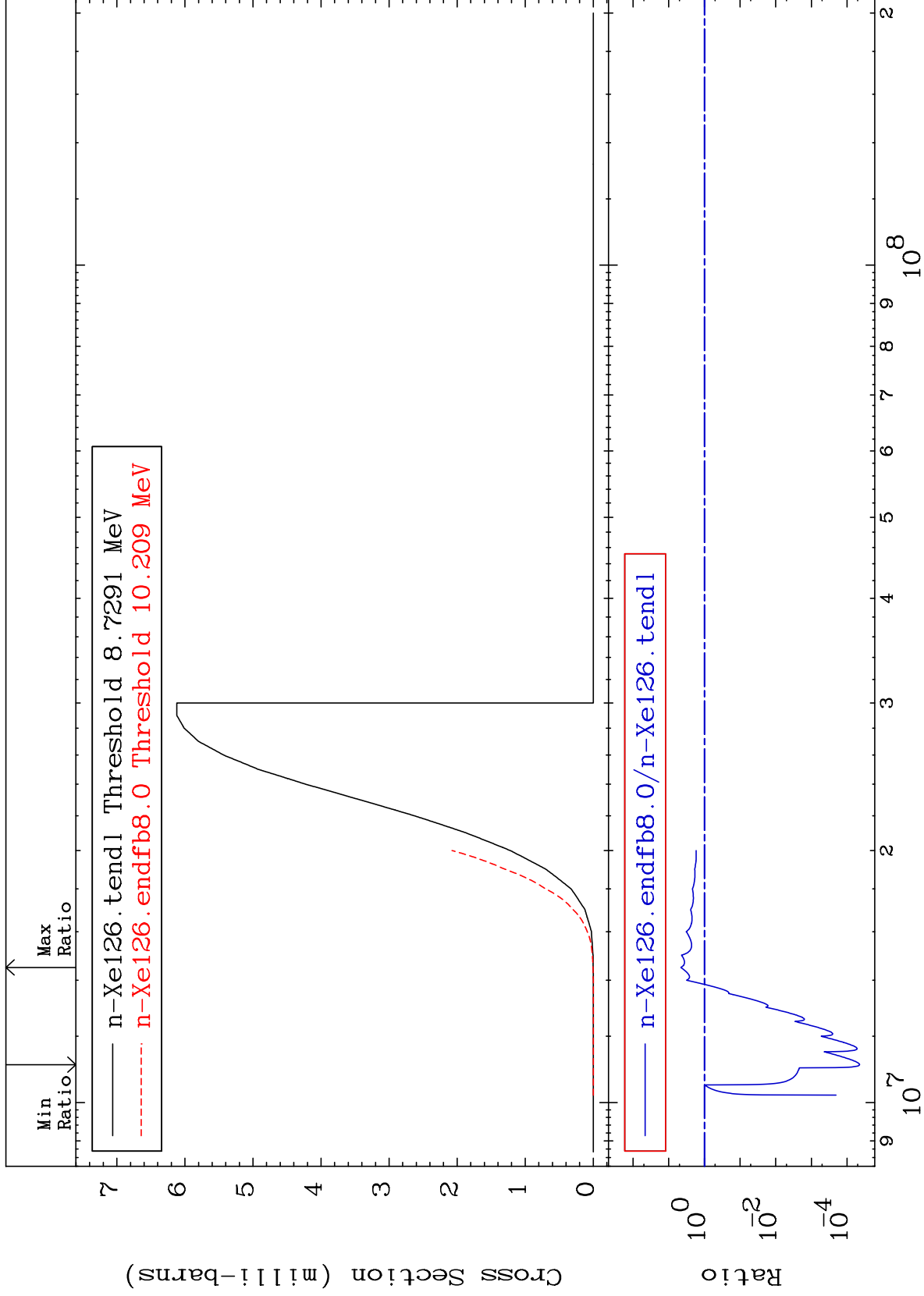
Incident Energy (eV)

54-Xe-126

MAT 5431

(n, t)  
Cross Section

54-Xe-126  
-100.0 To 359.3 %



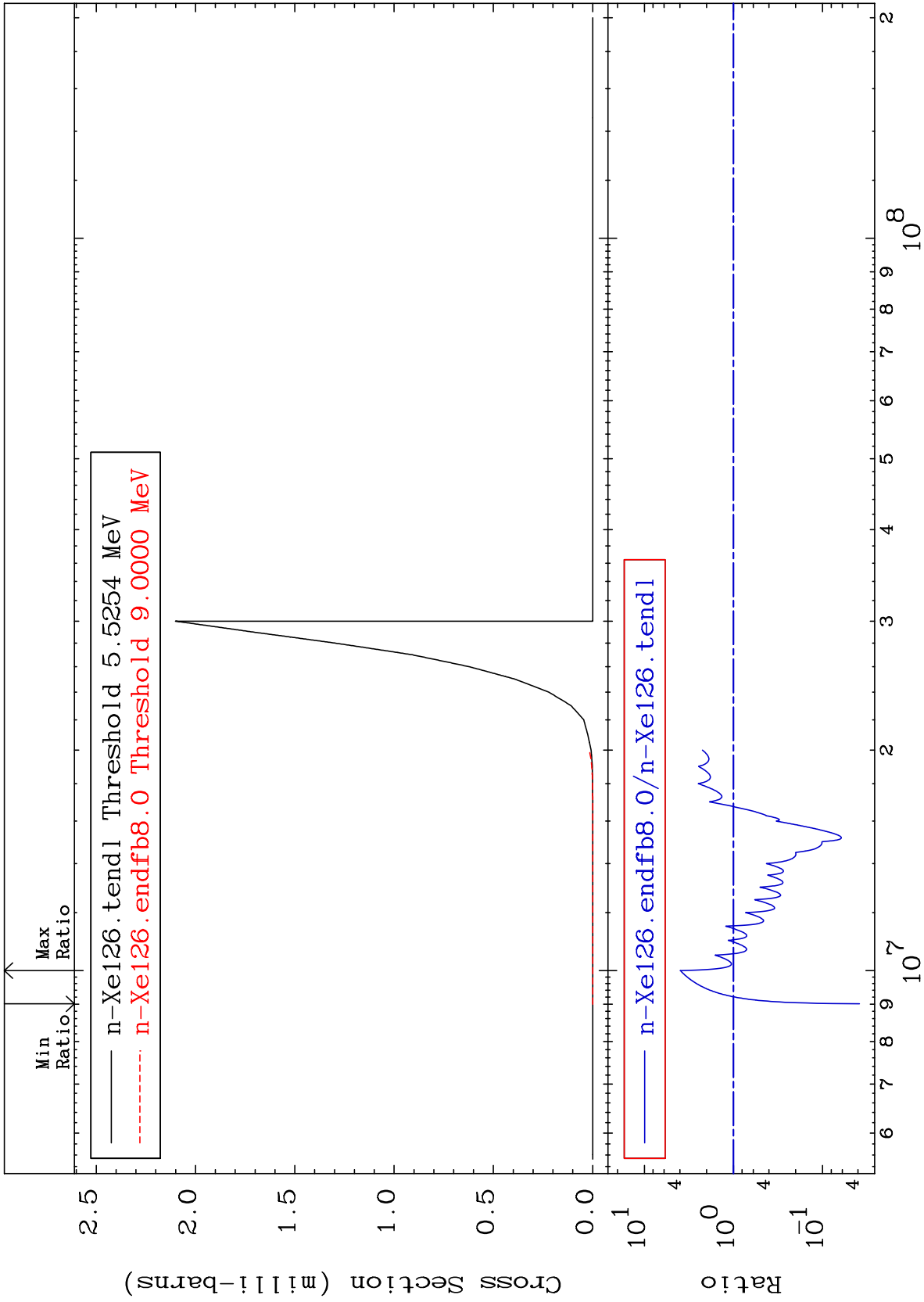
27

Incident Energy (eV)

54-Xe-126

Cross Section

-96.15 To 294.3 %



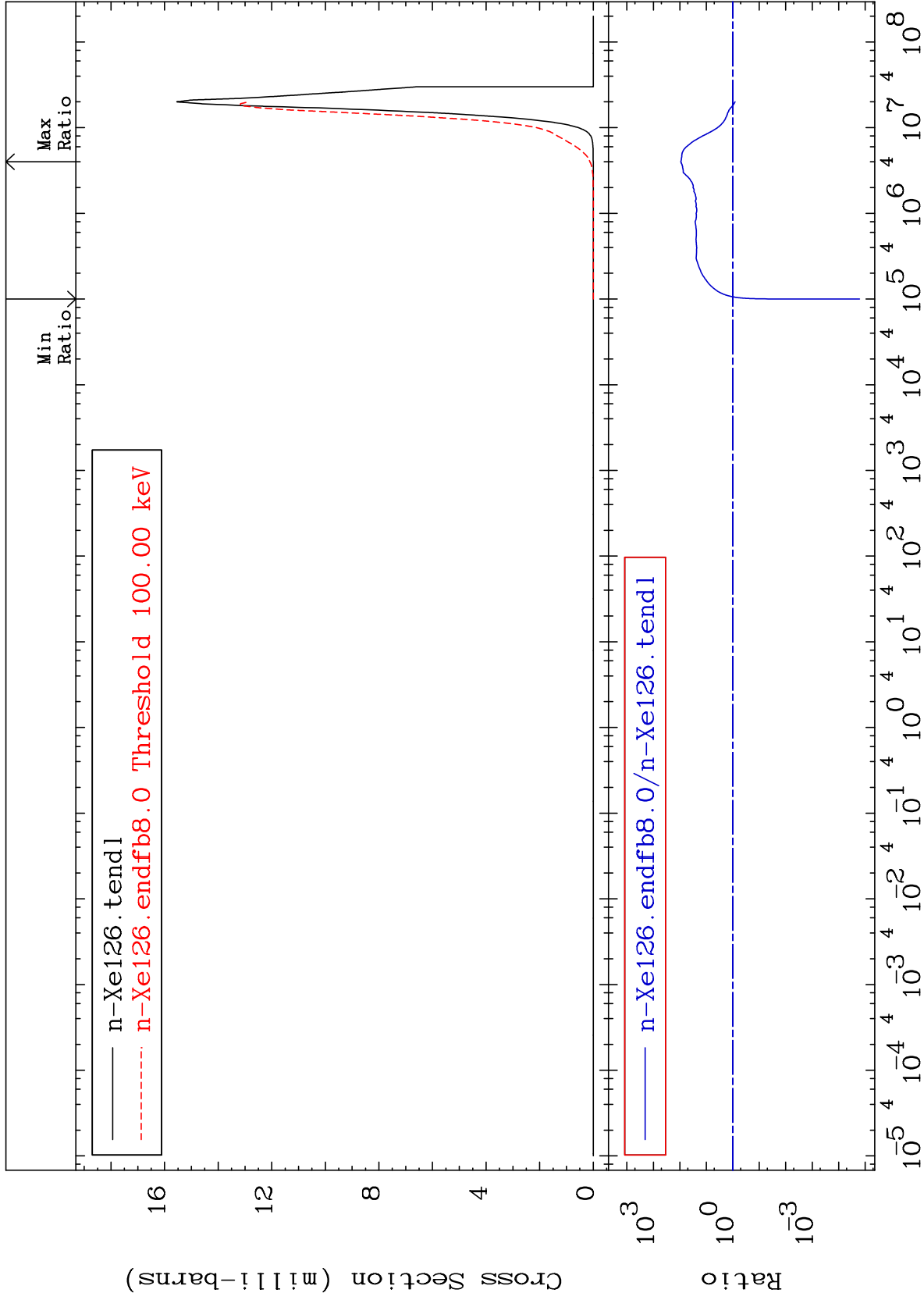
MAT 5431

(n,  $\alpha$ )

54-Xe-126

Cross Section

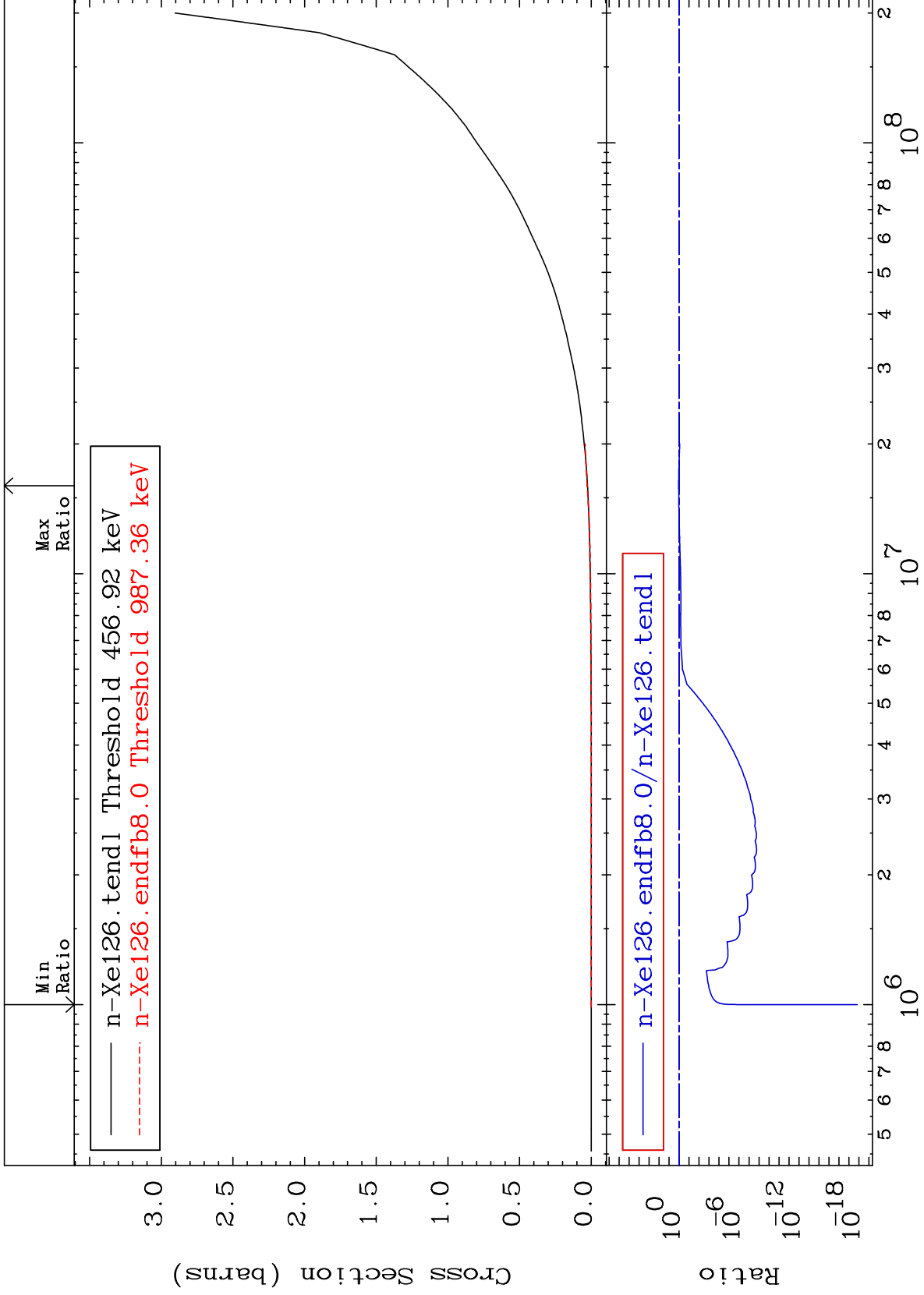
-100.0 To 9118. %



MAT 5431

Hydrogen Production  
Cross Section

54-Xe-126  
-100.0 To 10.61 %



30

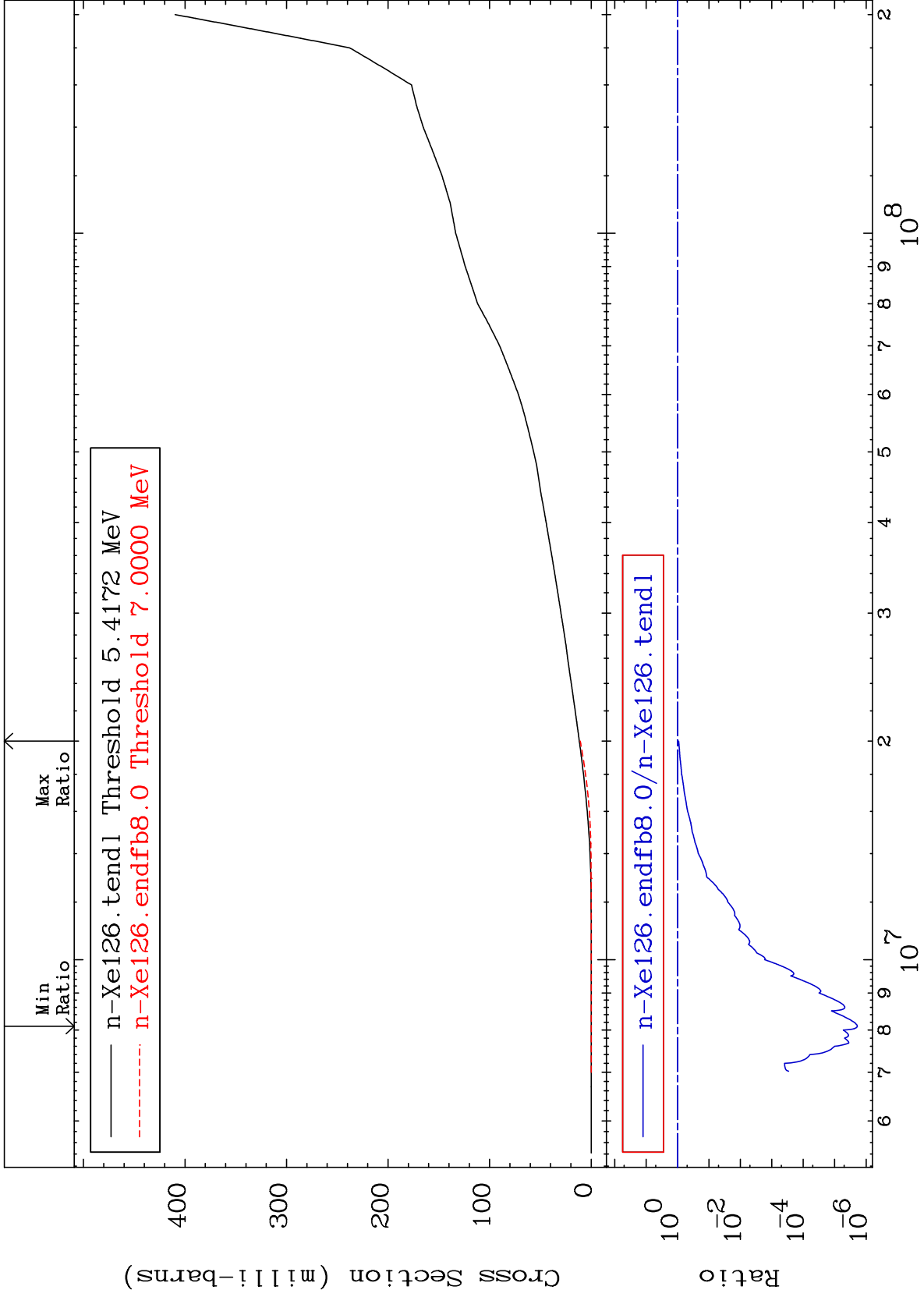
Incident Energy (eV)

54-Xe-126

MAT 5431

Deuterium Production  
Cross Section

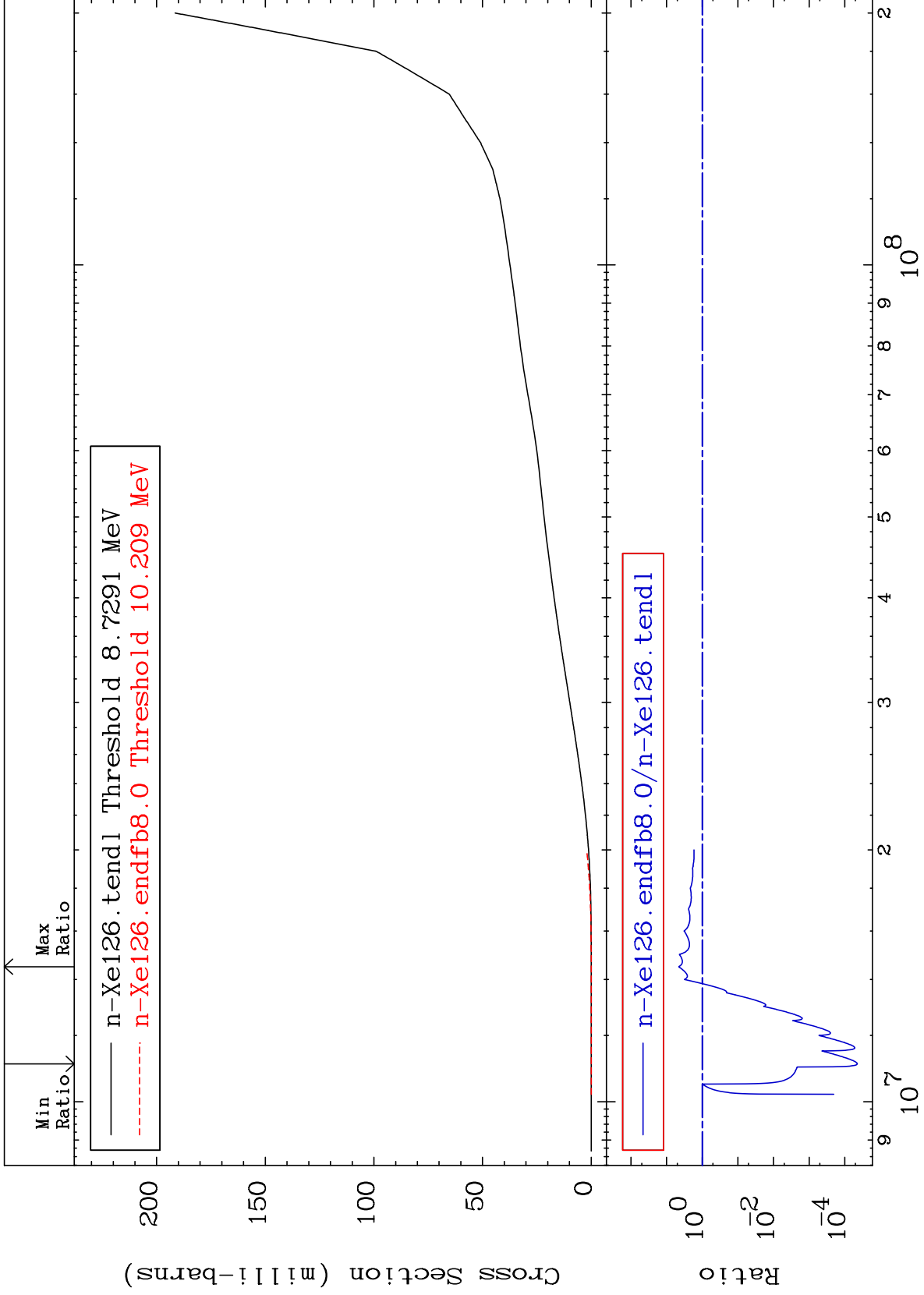
54-Xe-126  
-100.0 To -7.433%



MAT 5431

Tritium Production  
Cross Section

54-Xe-126  
-100.0 To 359.3 %

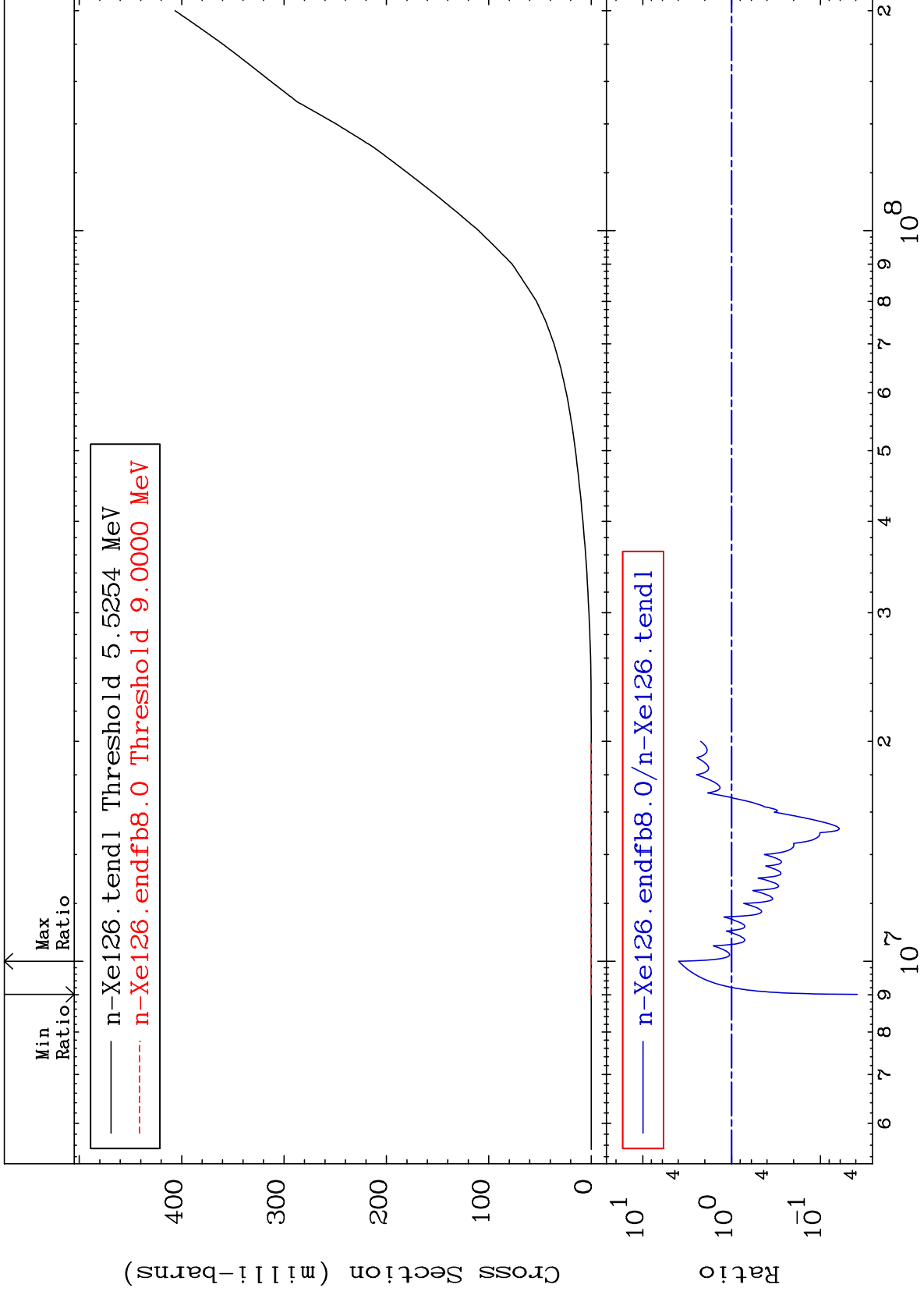


32

Incident Energy (eV)

54-Xe-126

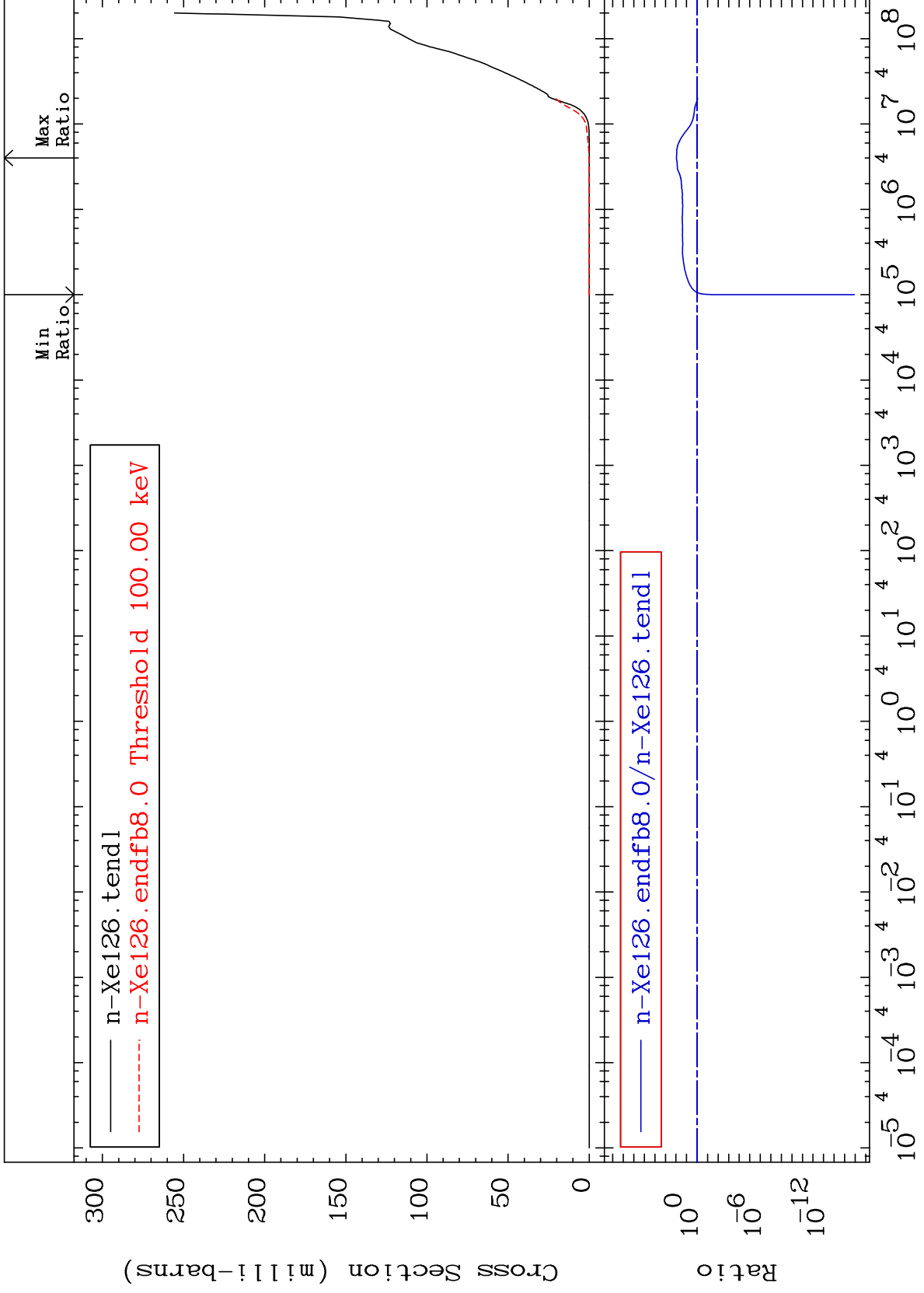




MAT 5431

He-4 Production  
Cross Section

54-Xe-126  
-100.0 To 9118. %



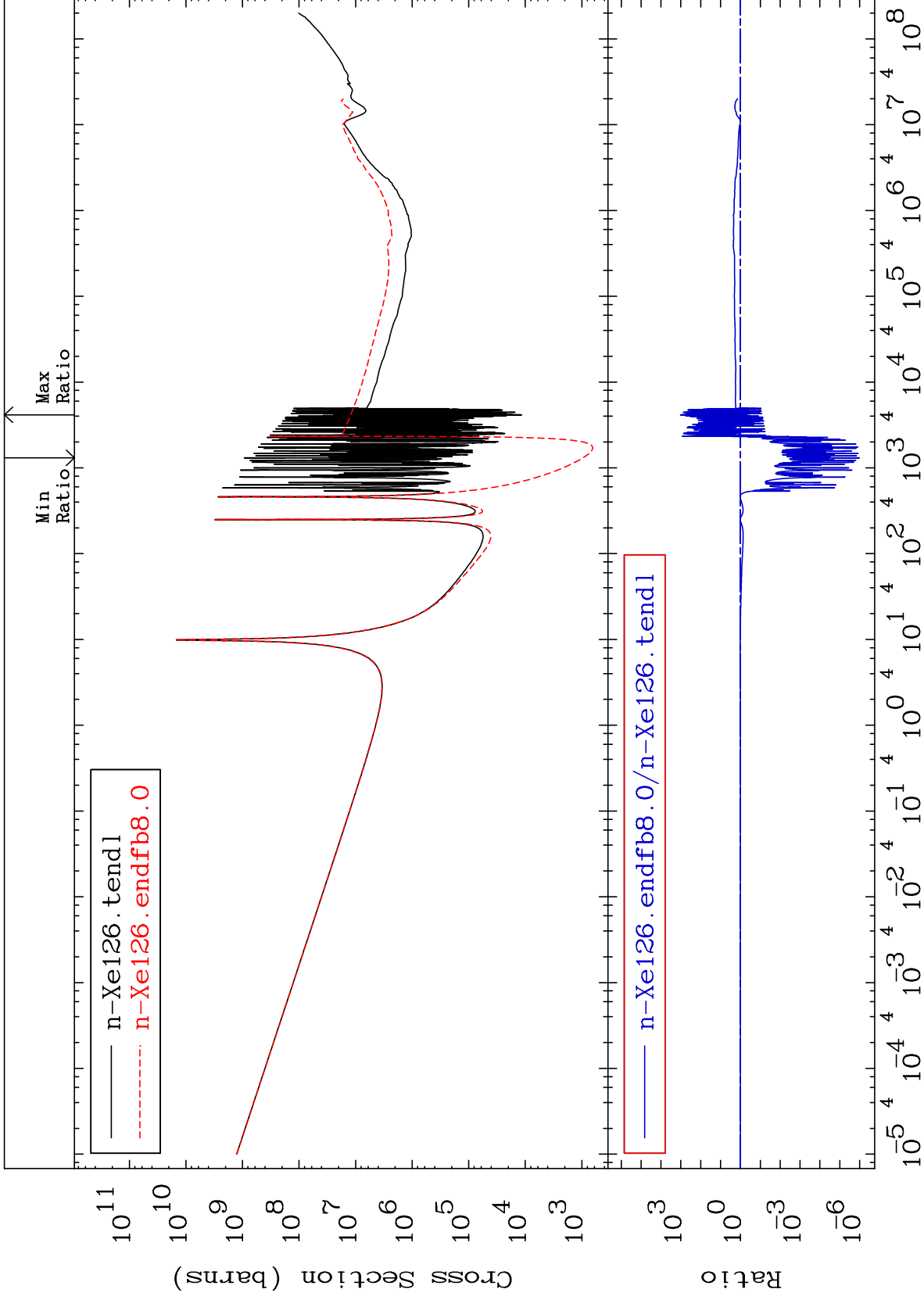
MAT 5431

Kerma total (eV-barns)

54-Xe-126

Cross Section

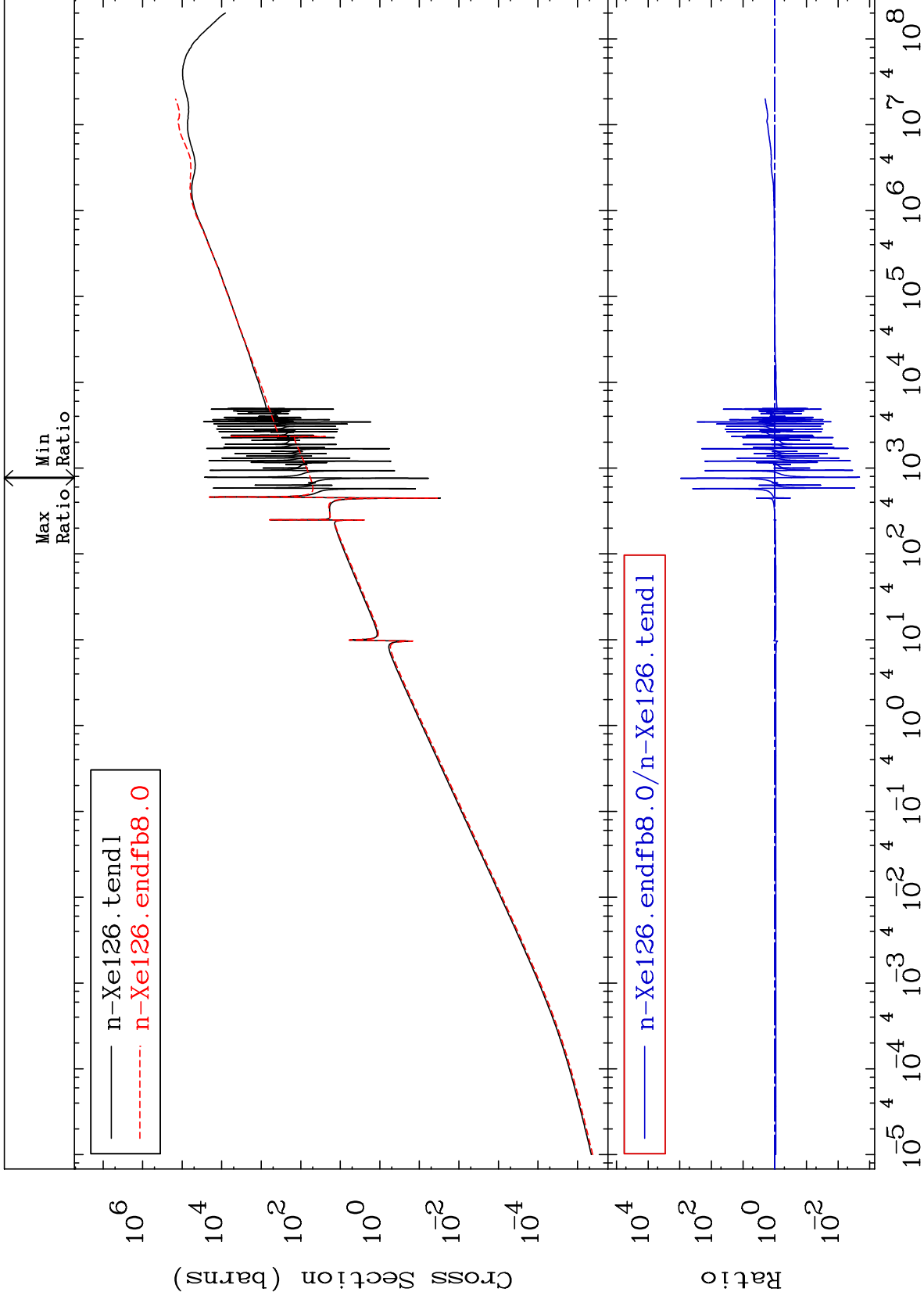
-100.0 To 9999. %

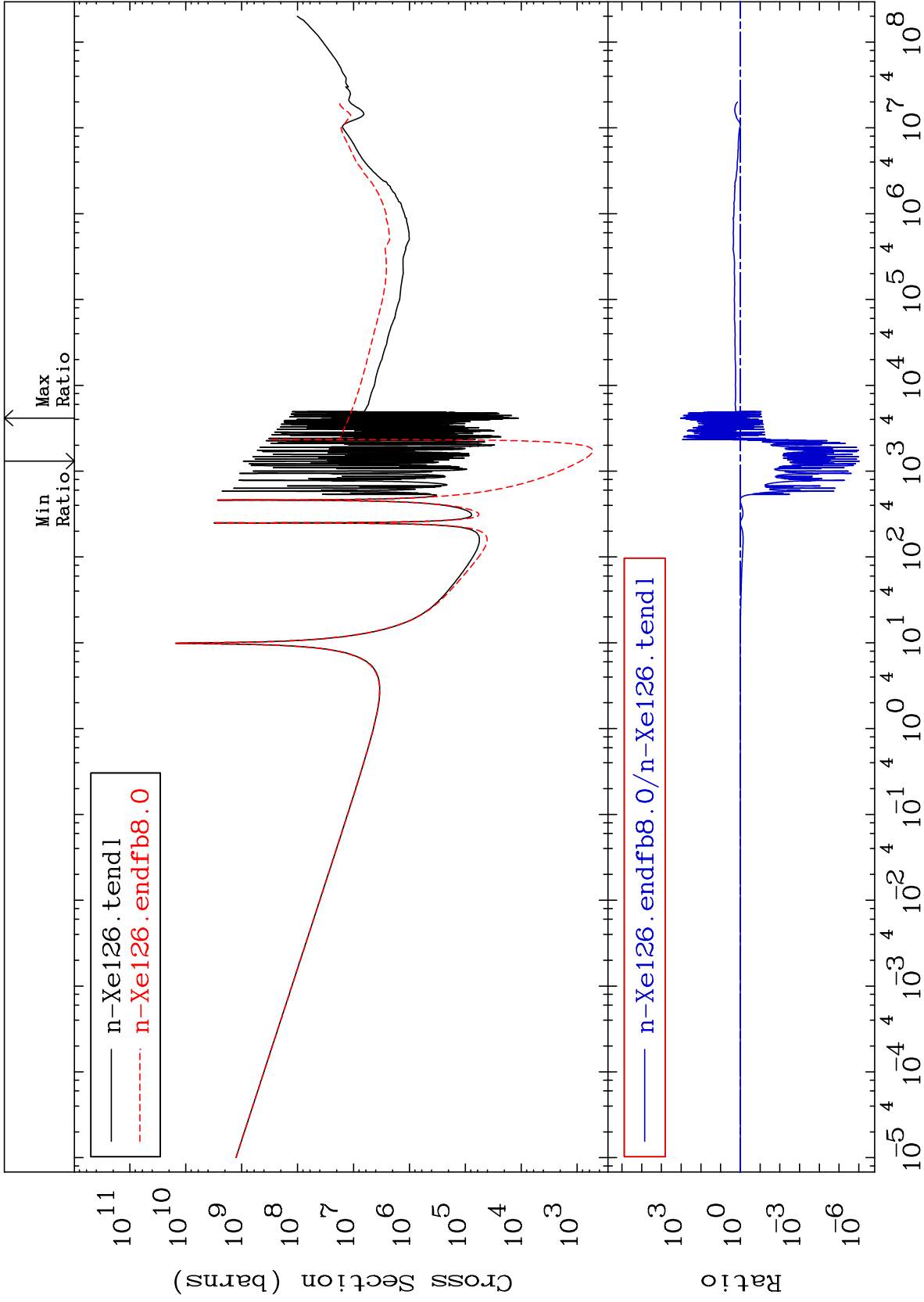


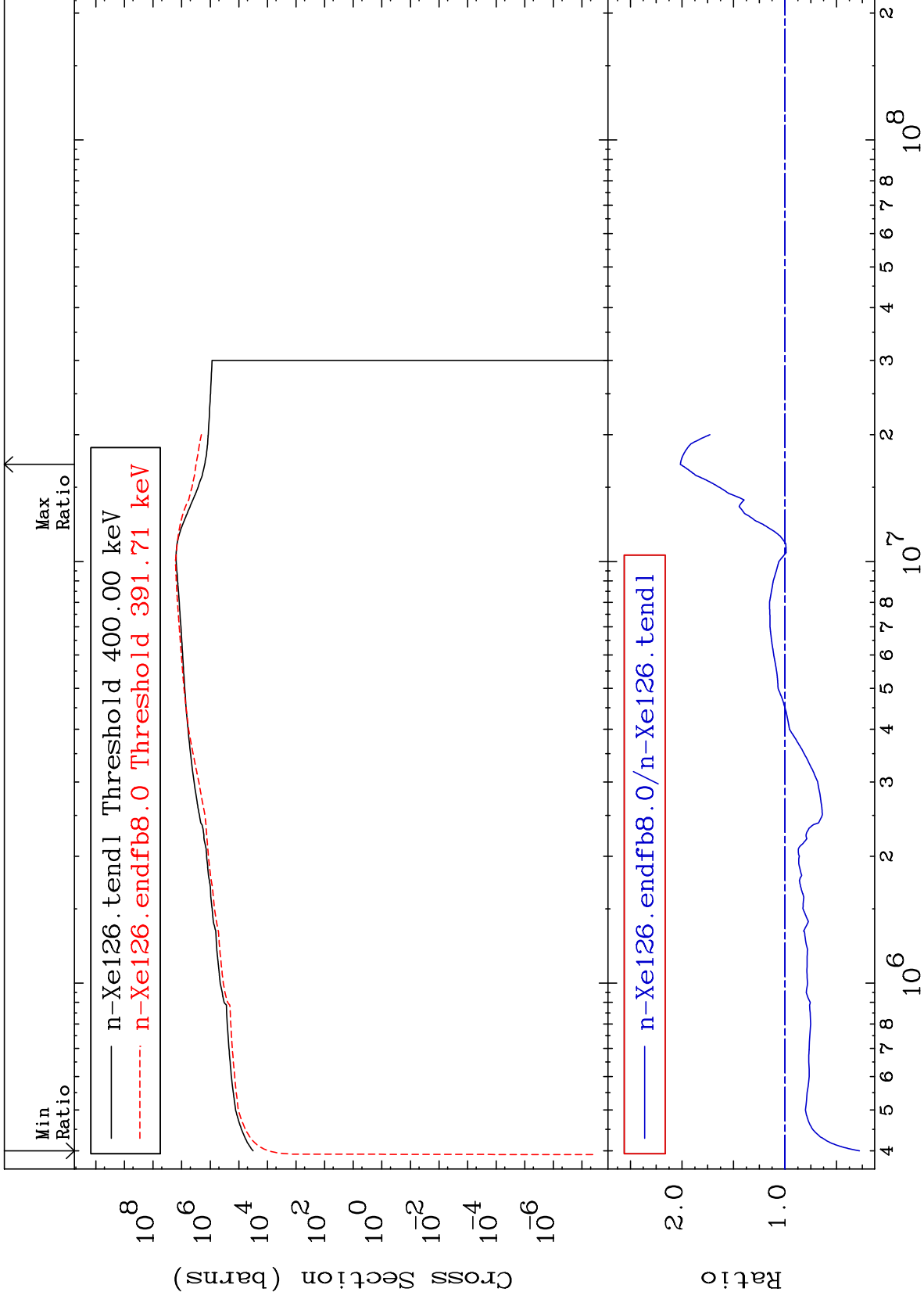
35

Incident Energy (eV)

54-Xe-126



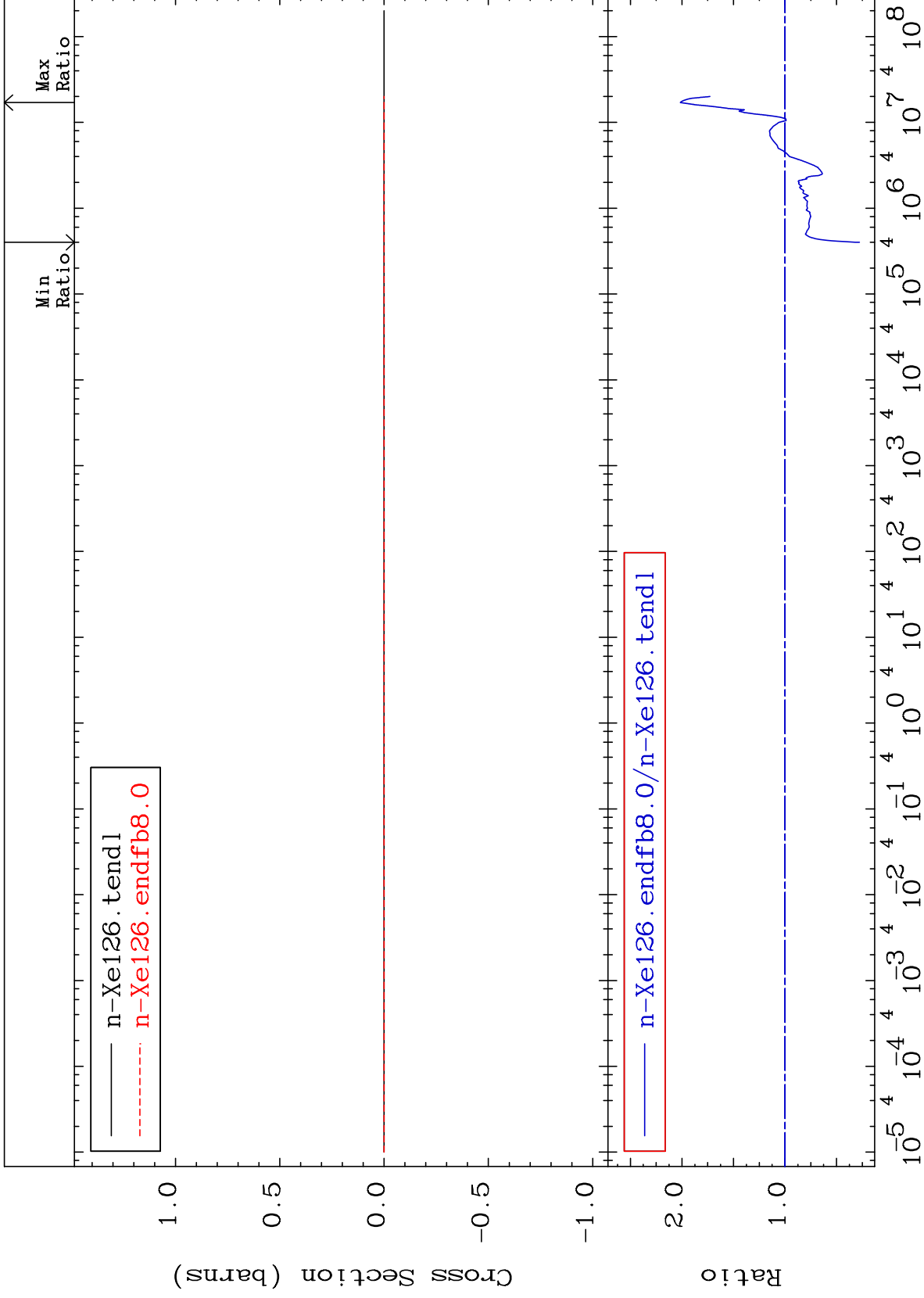




MAT 5431

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

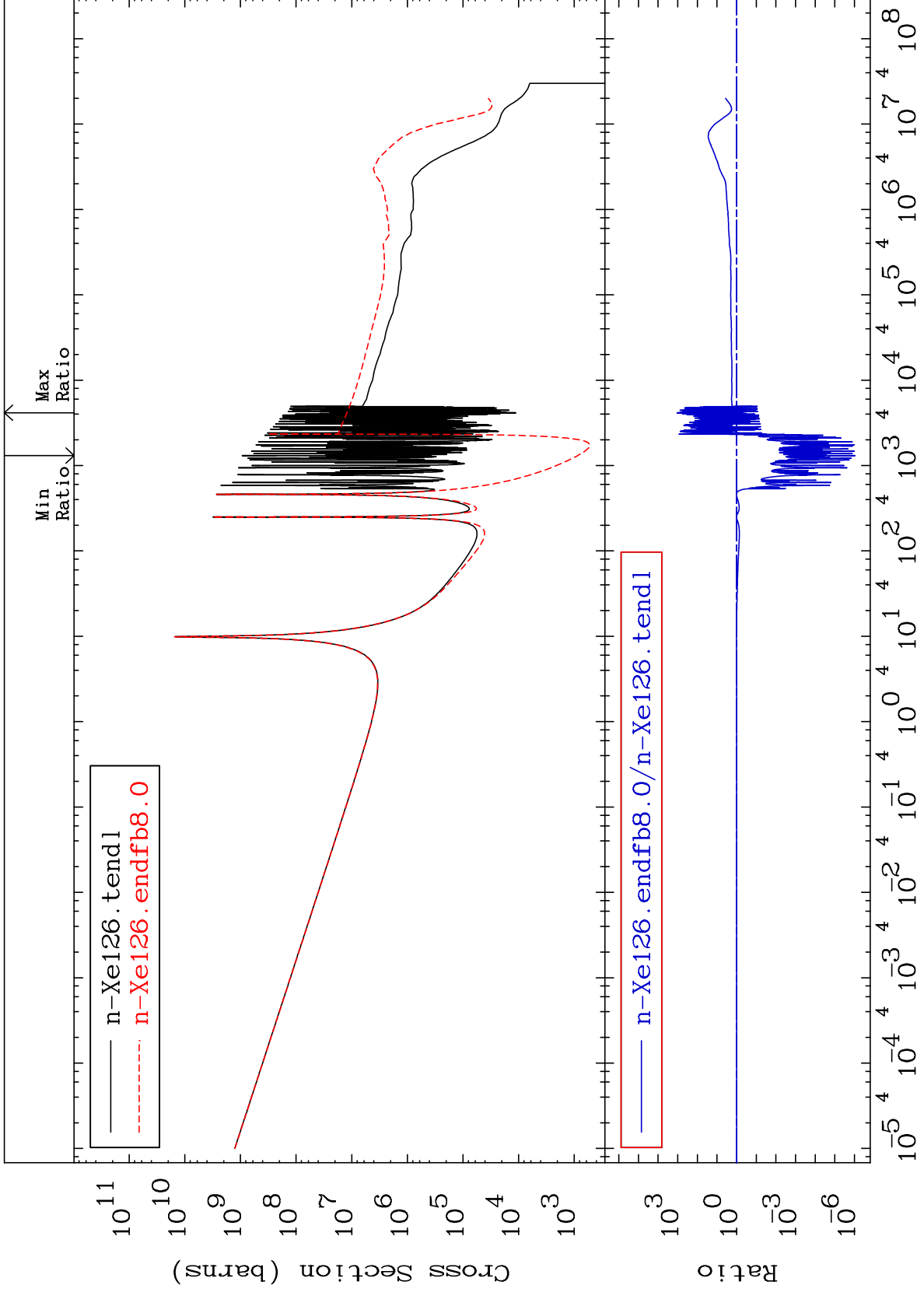
54-Xe-126  
-72.22 To 101.5 %



MAT 5431

Kerma capture (mt102)  
Cross Section

54-Xe-126  
-100.0 To 9999. %



40

Incident Energy (eV)

54-Xe-126

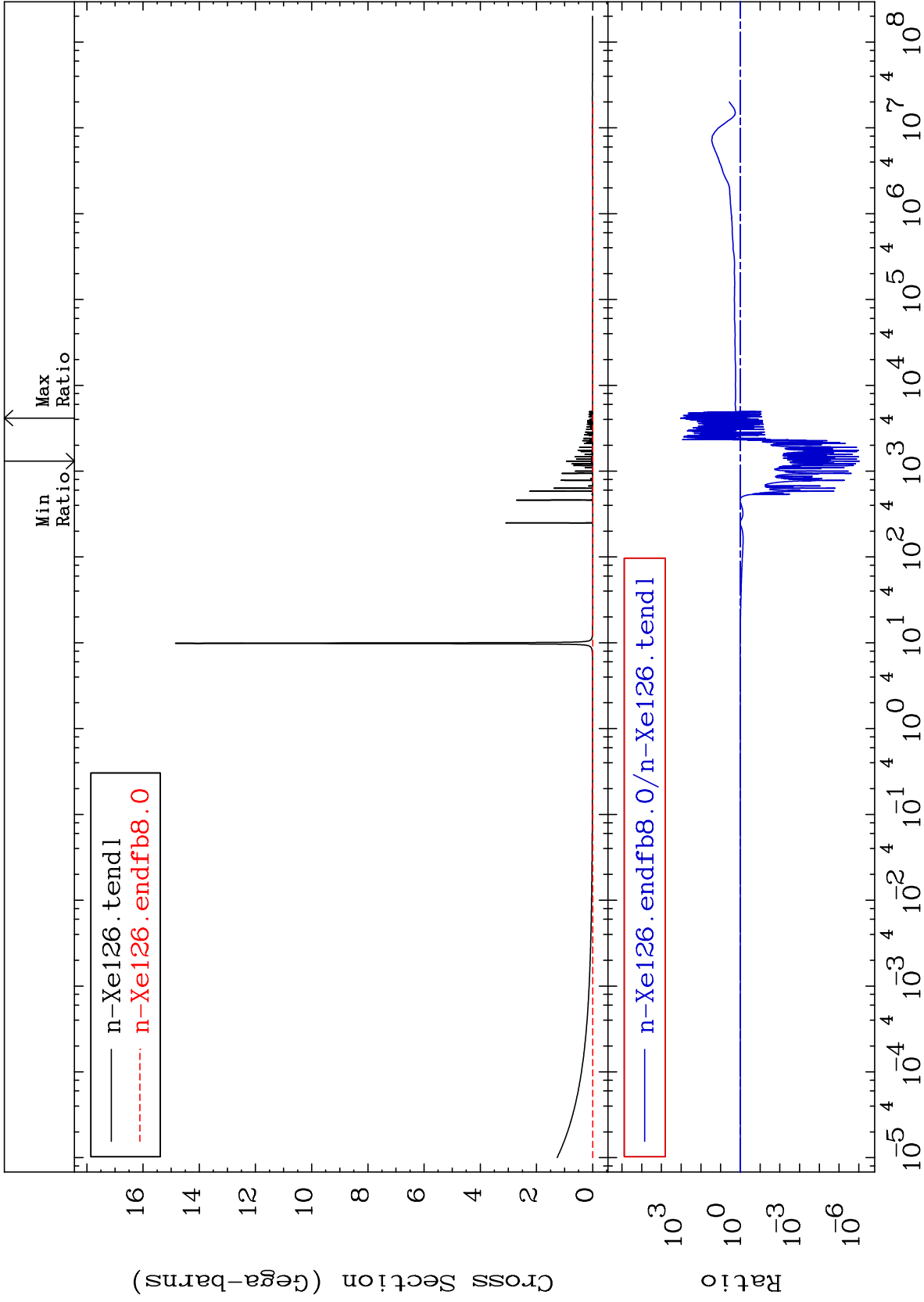


MAT 5431

Total photon (eV-barns)  
Cross Section

54-Xe-126

-100.0 To 9999. %



41

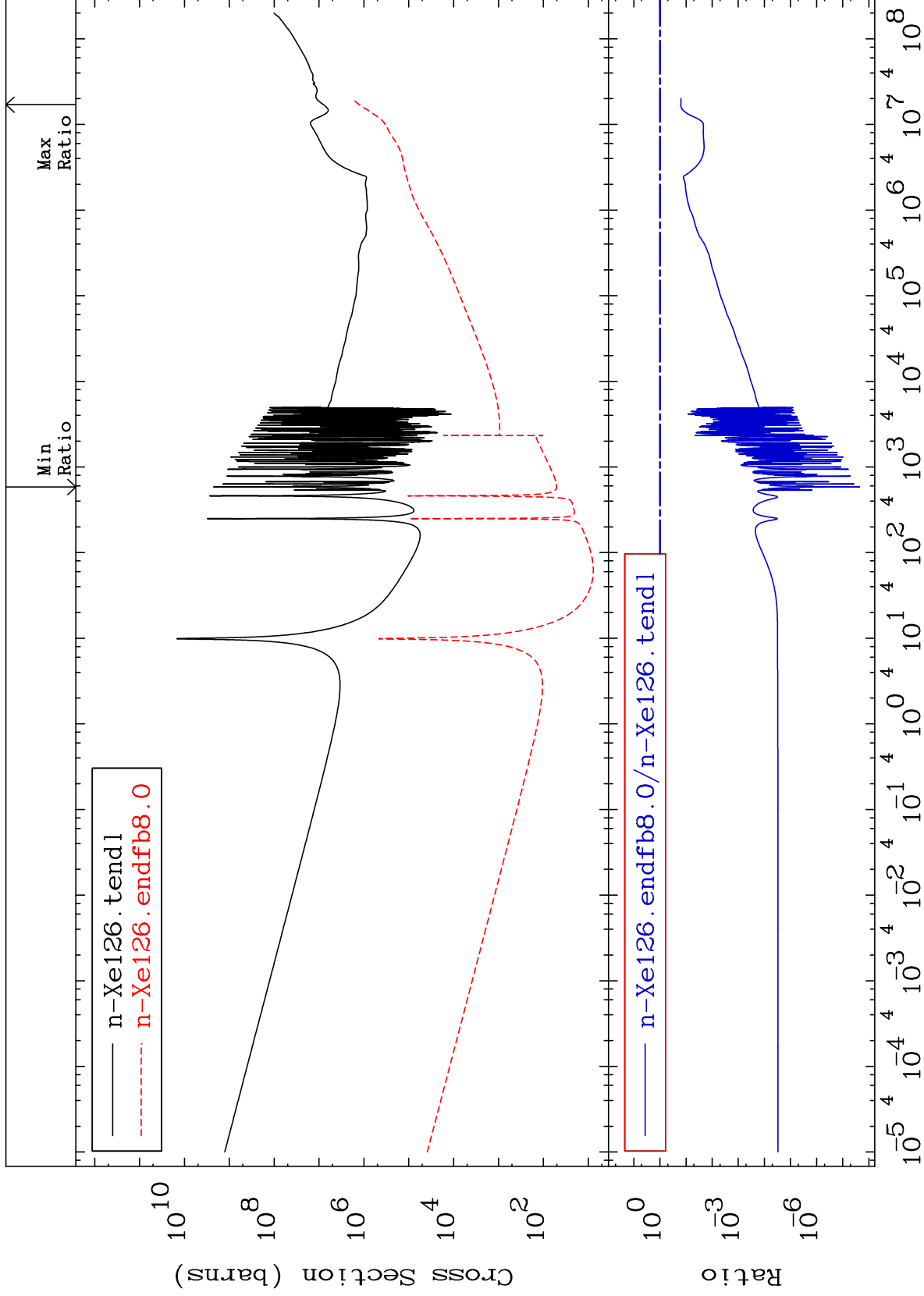
Incident Energy (eV)

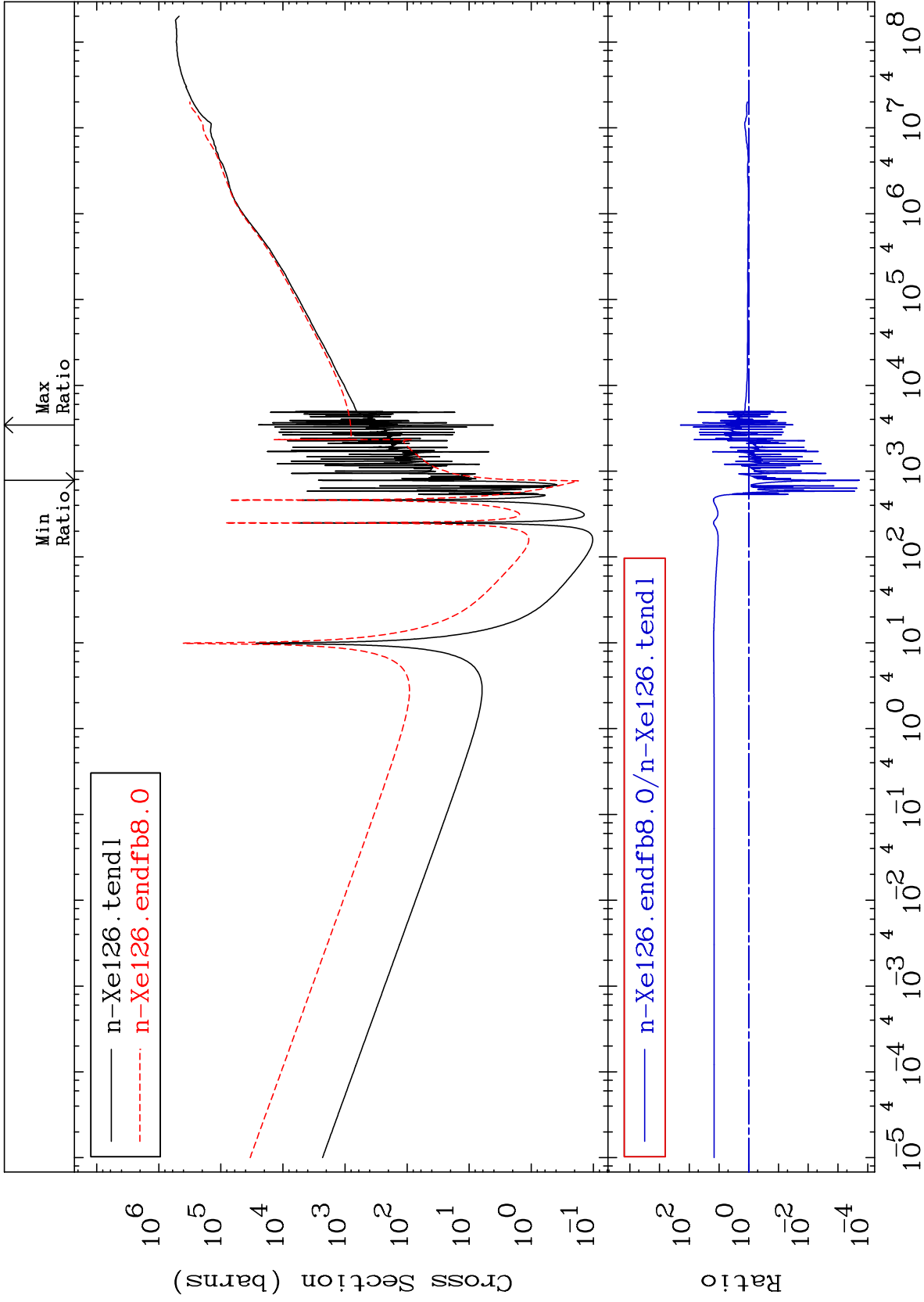
54-Xe-126

MAT 5431

Total kinematic kerma (high limit)  
Cross Section

54-Xe-126  
-100.0 To -84.07%





MAT 5431

Dpa elastic (mt2)  
Cross Section

54-Xe-126  
-99.72 To 9999. %

