

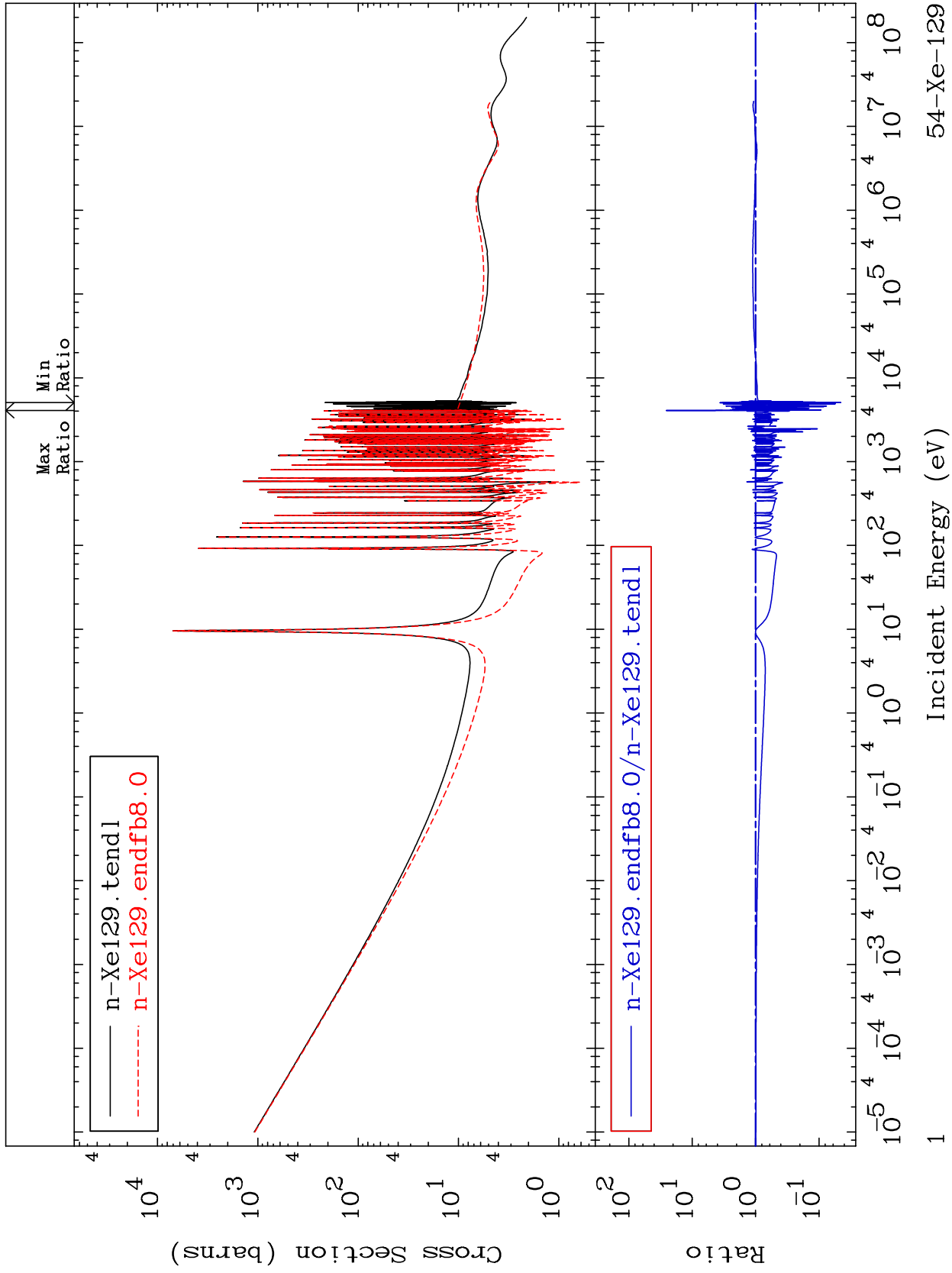
MAT 5440

Total

54-Xe-129

Cross Section

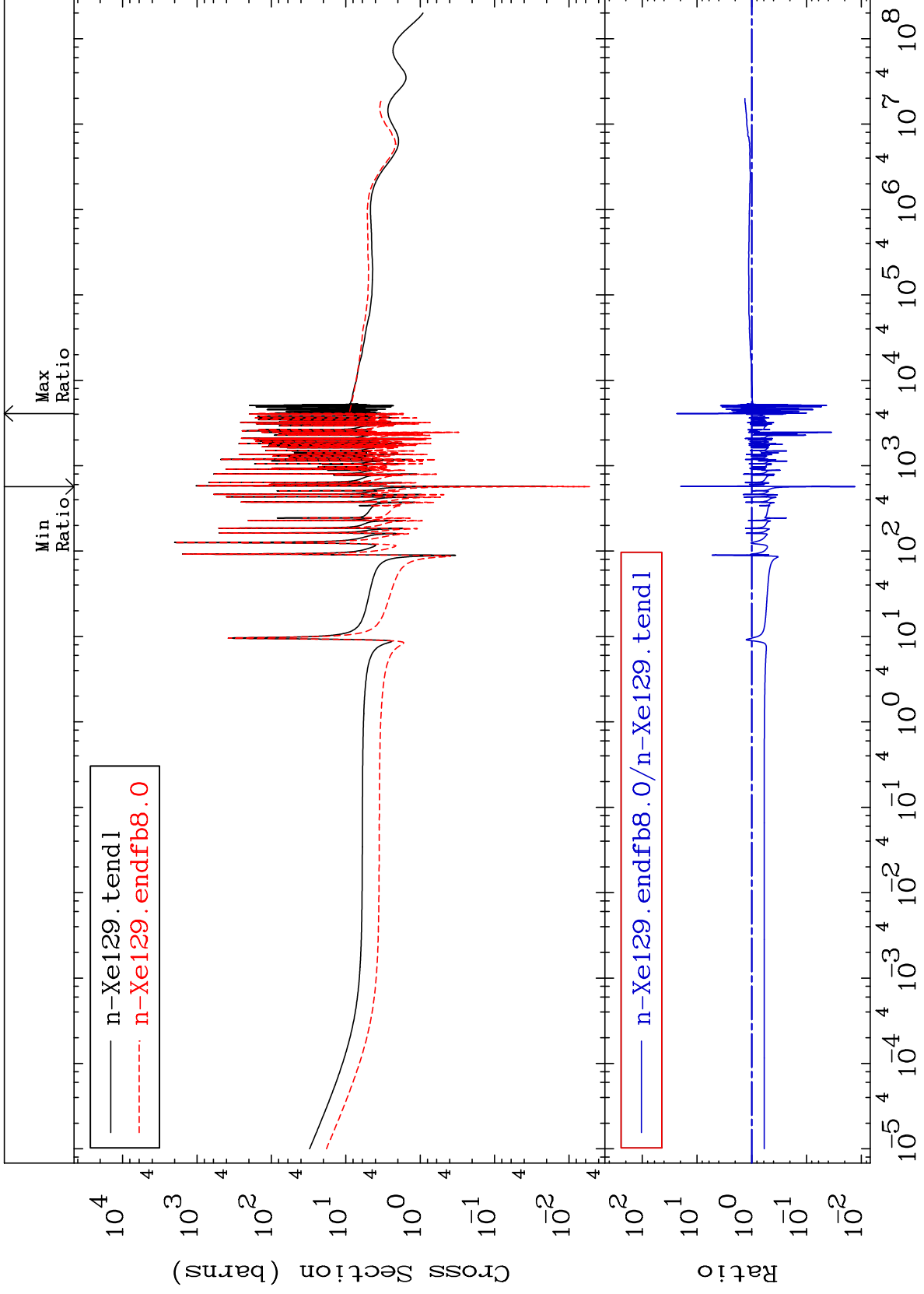
-95.47 To 2492. %



MAT 5440

Elastic  
Cross Section

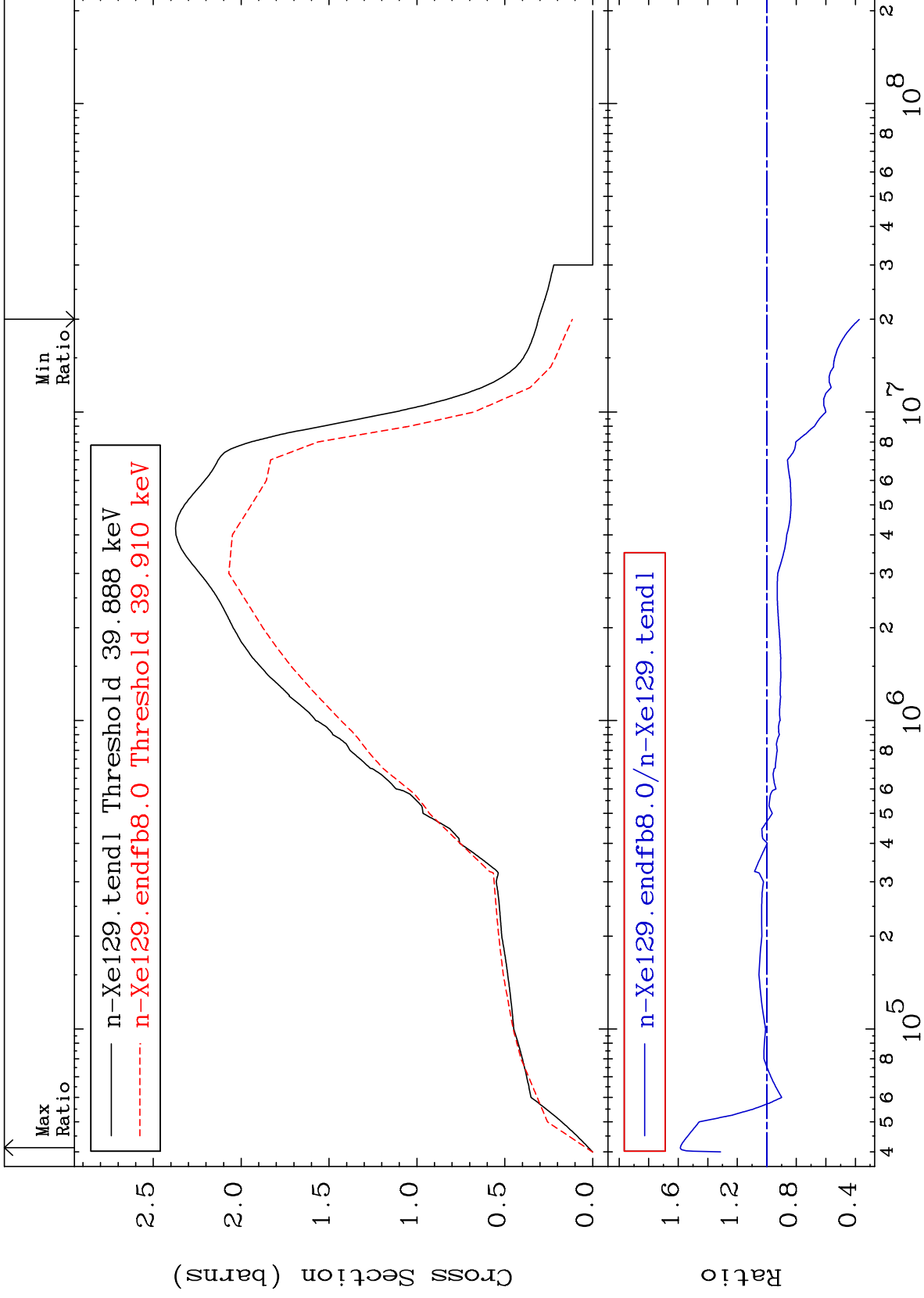
54-Xe-129  
-98.70 To 2225. %



MAT 5440

Inelastic  
Cross Section

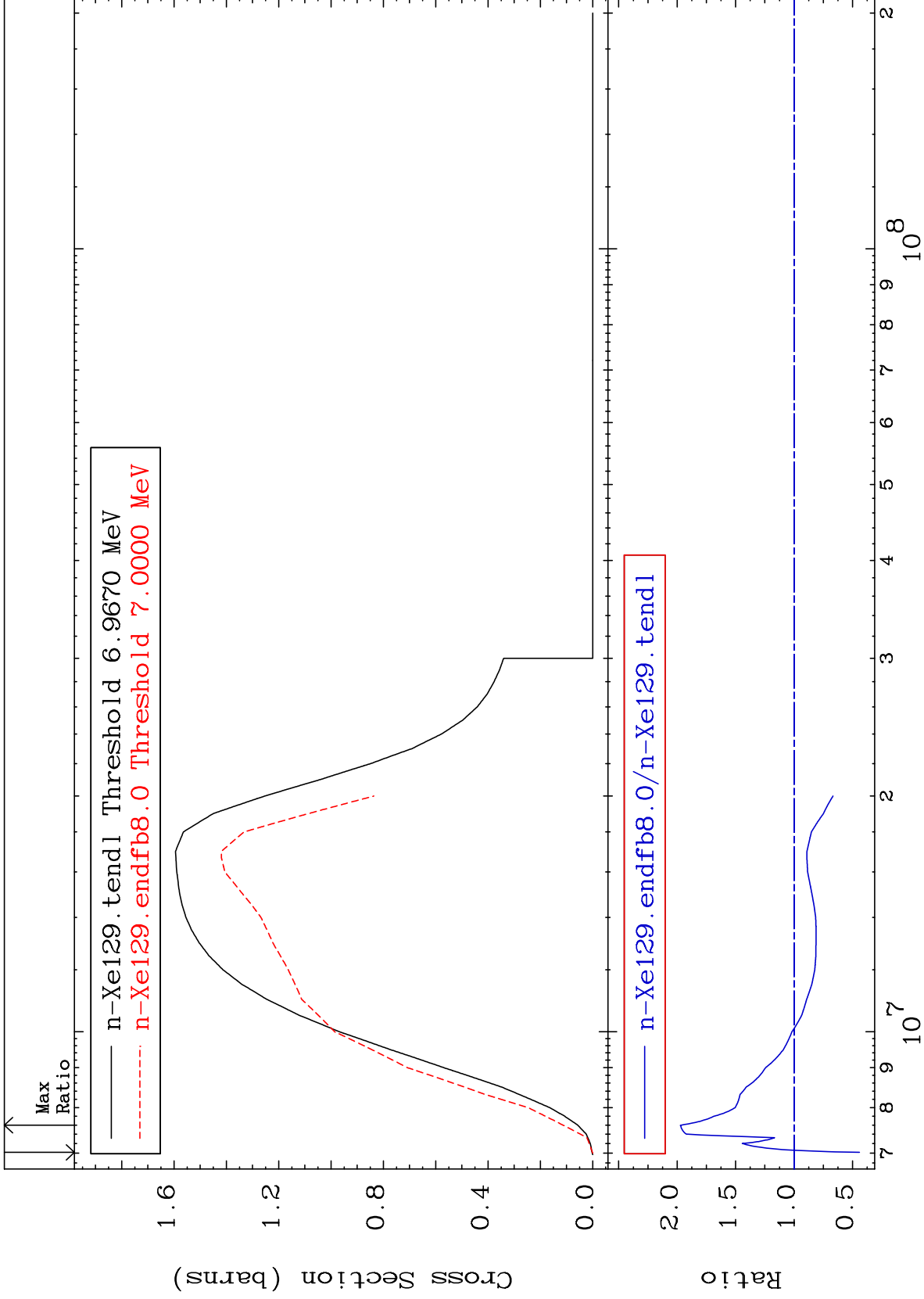
54-Xe-129  
-62.76 To 58.56 %



MAT 5440

(n,2n)  
Cross Section

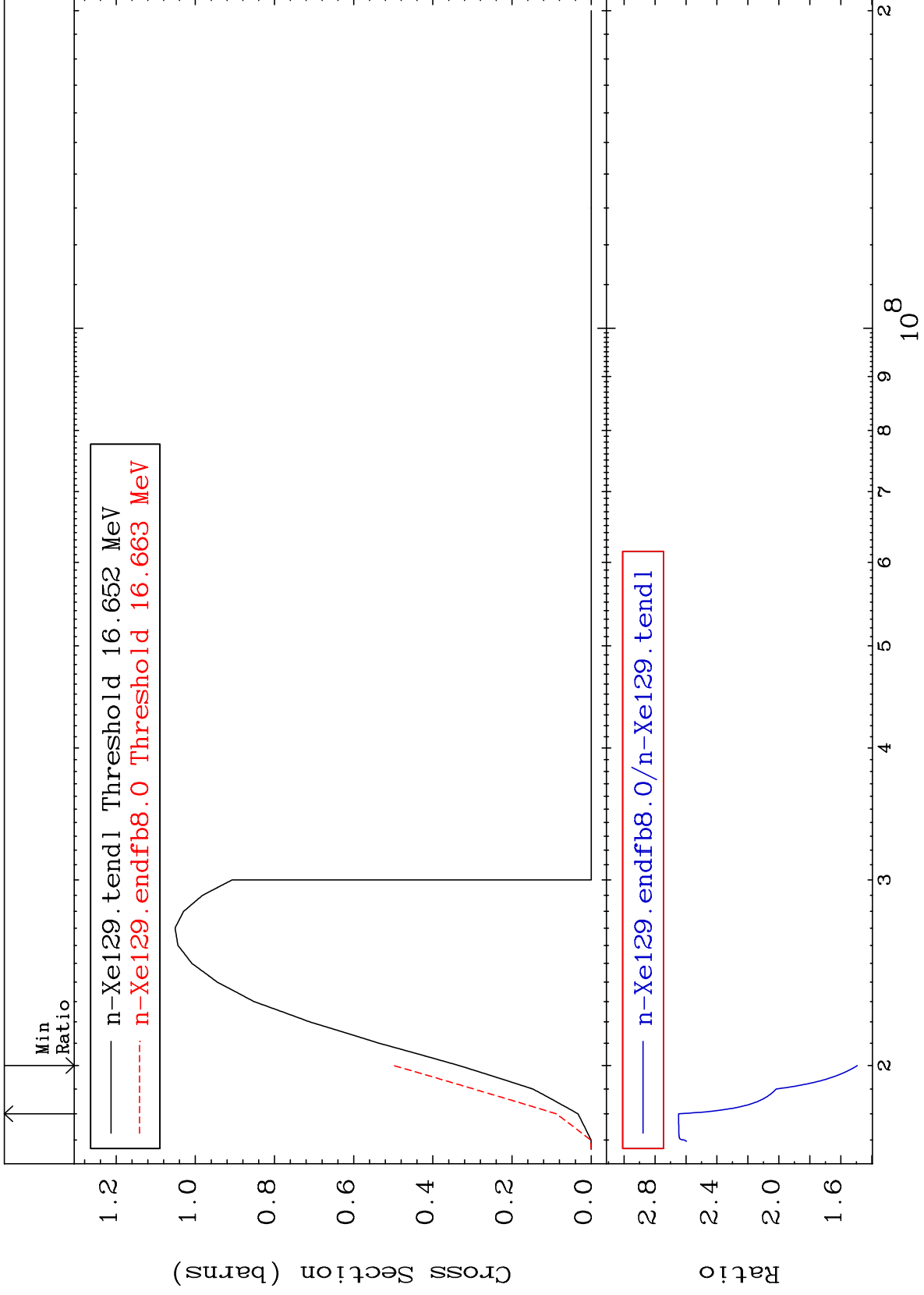
54-Xe-129  
-55.87 To 97.26 %



MAT 5440

(n,3n)  
Cross Section

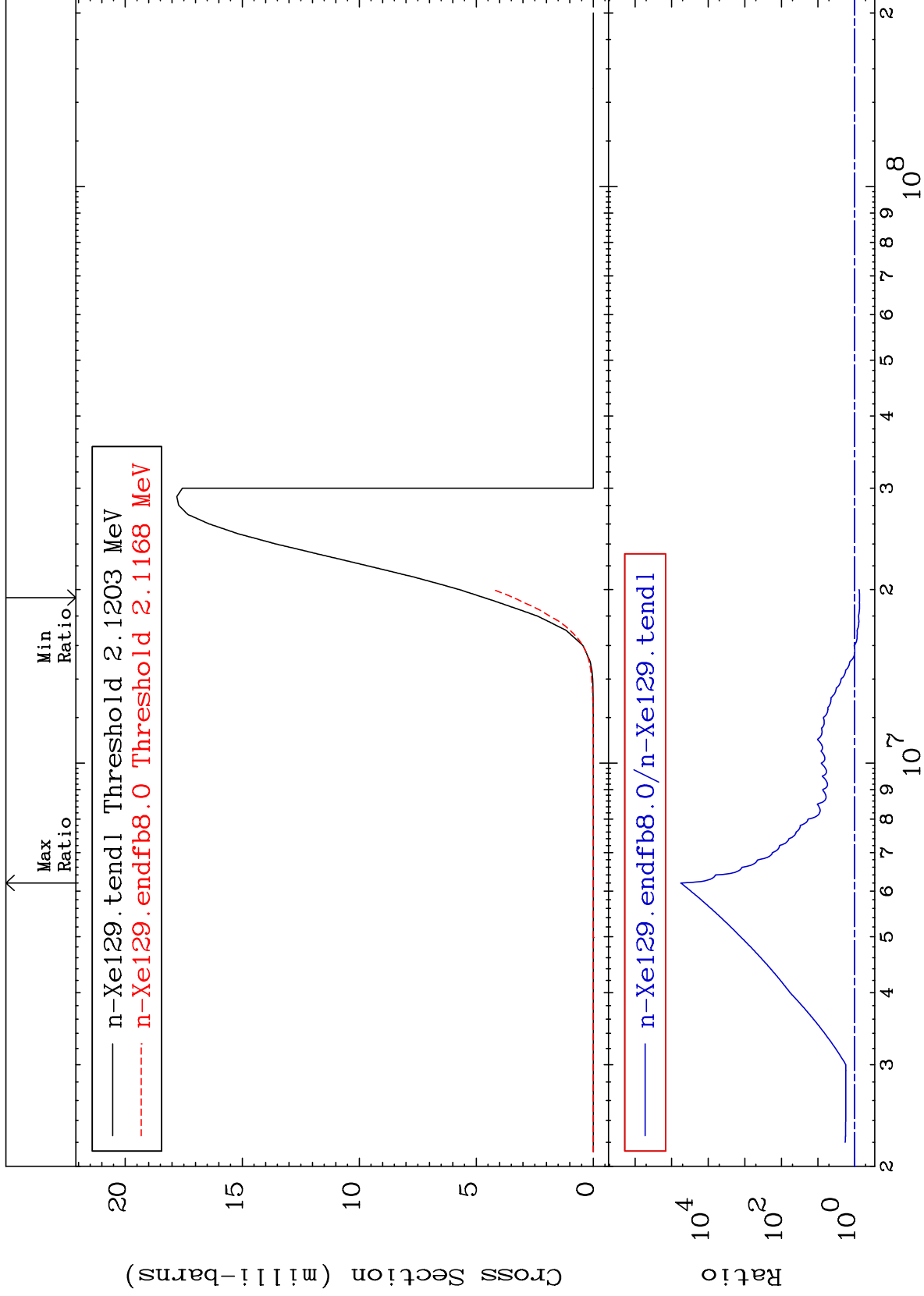
54-Xe-129  
49.41 To 164.7 %



MAT 5440

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

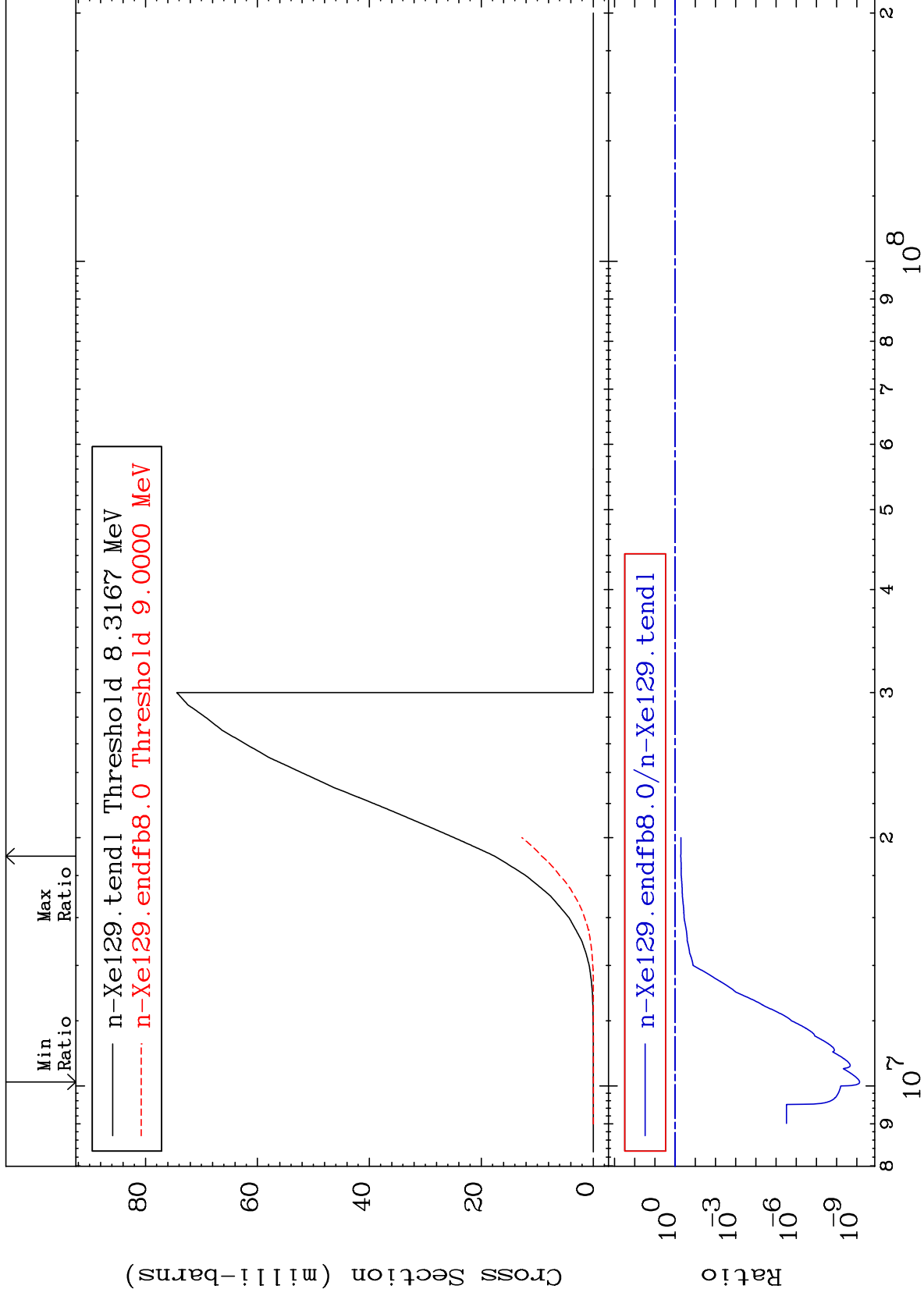
54-Xe-129  
-26.86 To 9999. %



MAT 5440

(n,n') p  
Cross Section

54-Xe-129  
-100.0 To -47.74%



7

Incident Energy (eV)

54-Xe-129

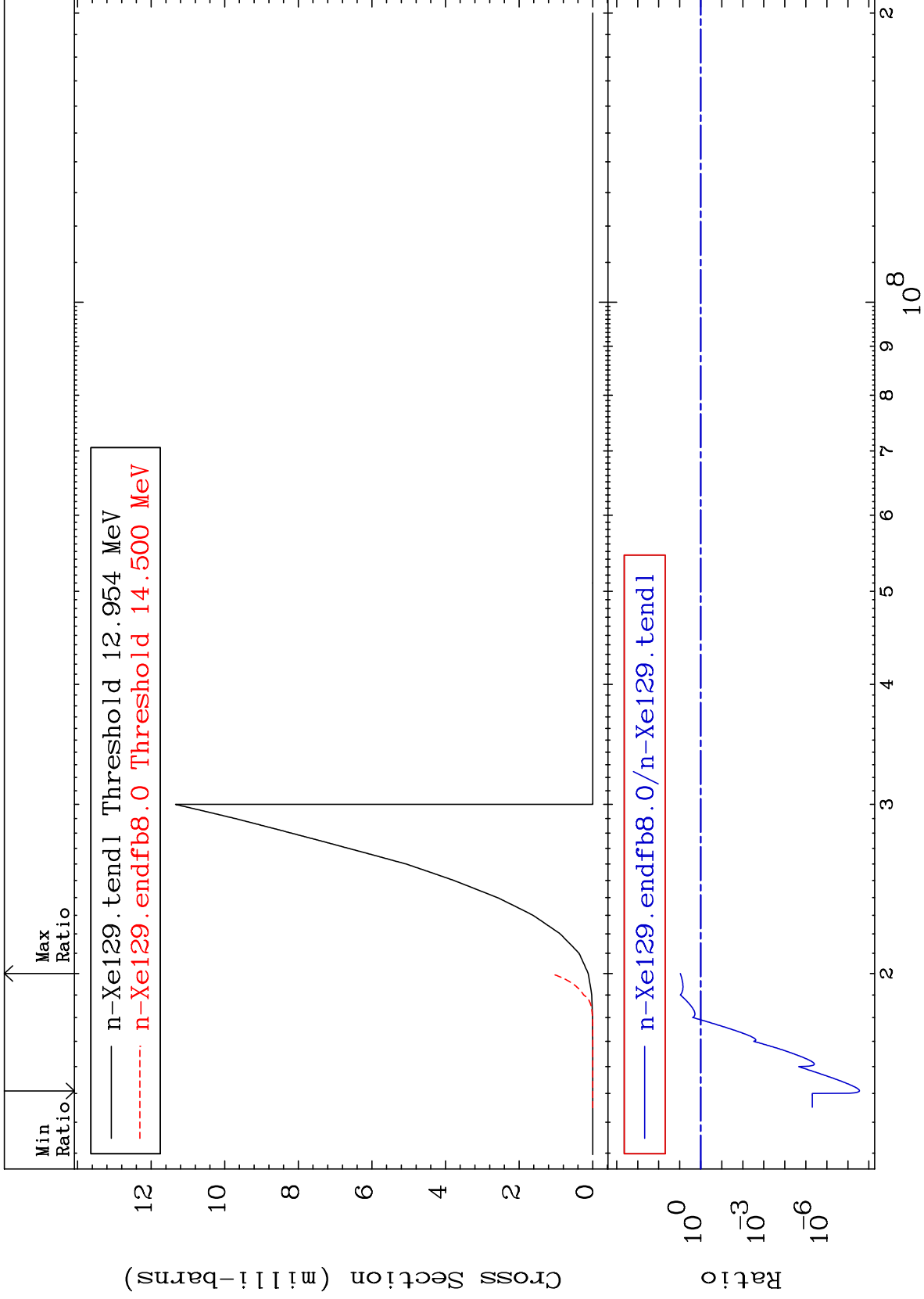
MAT 5440

(n,n') d

54-Xe-129

Cross Section

-100.0 To 832.3 %

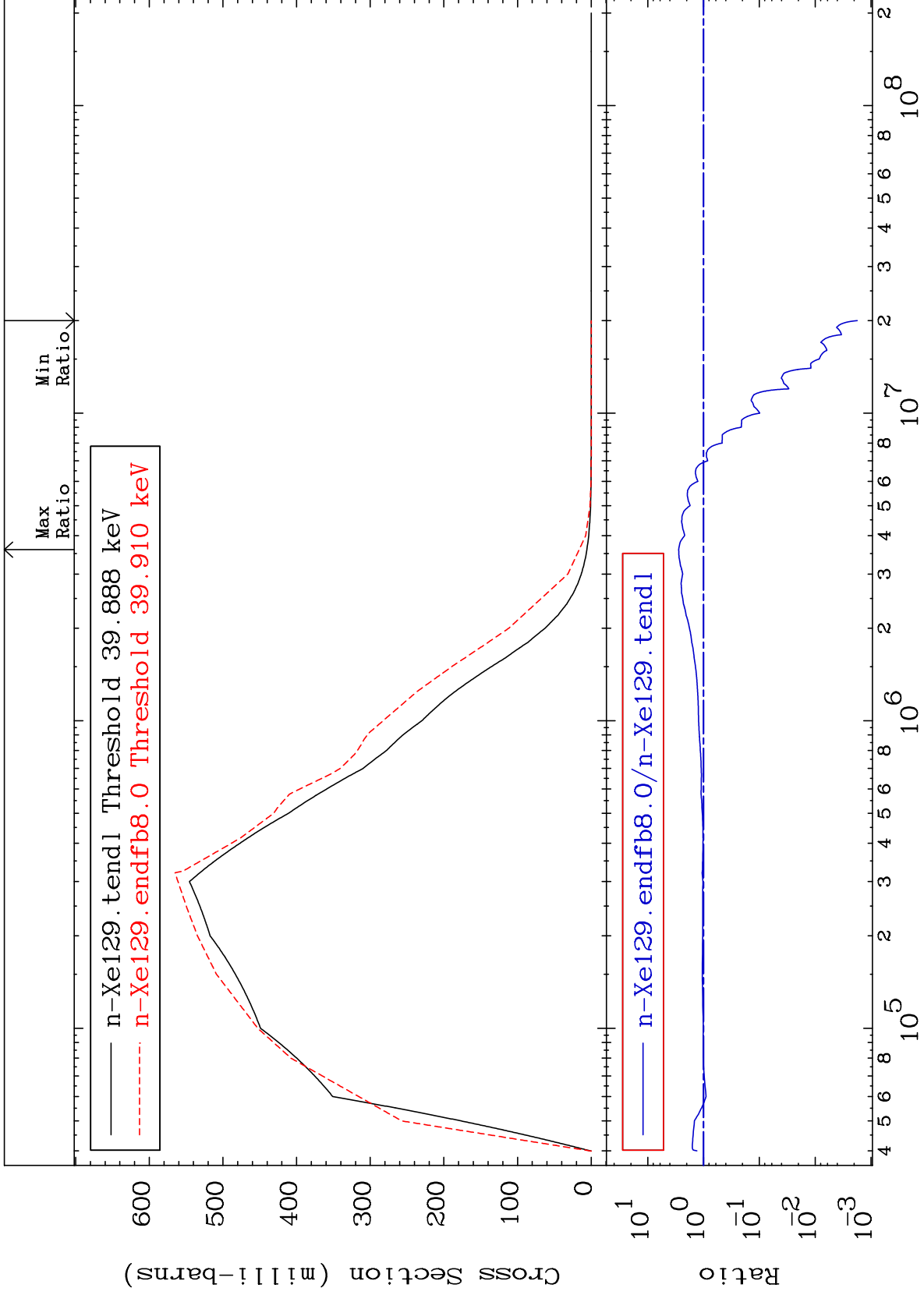




MAT 5440

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

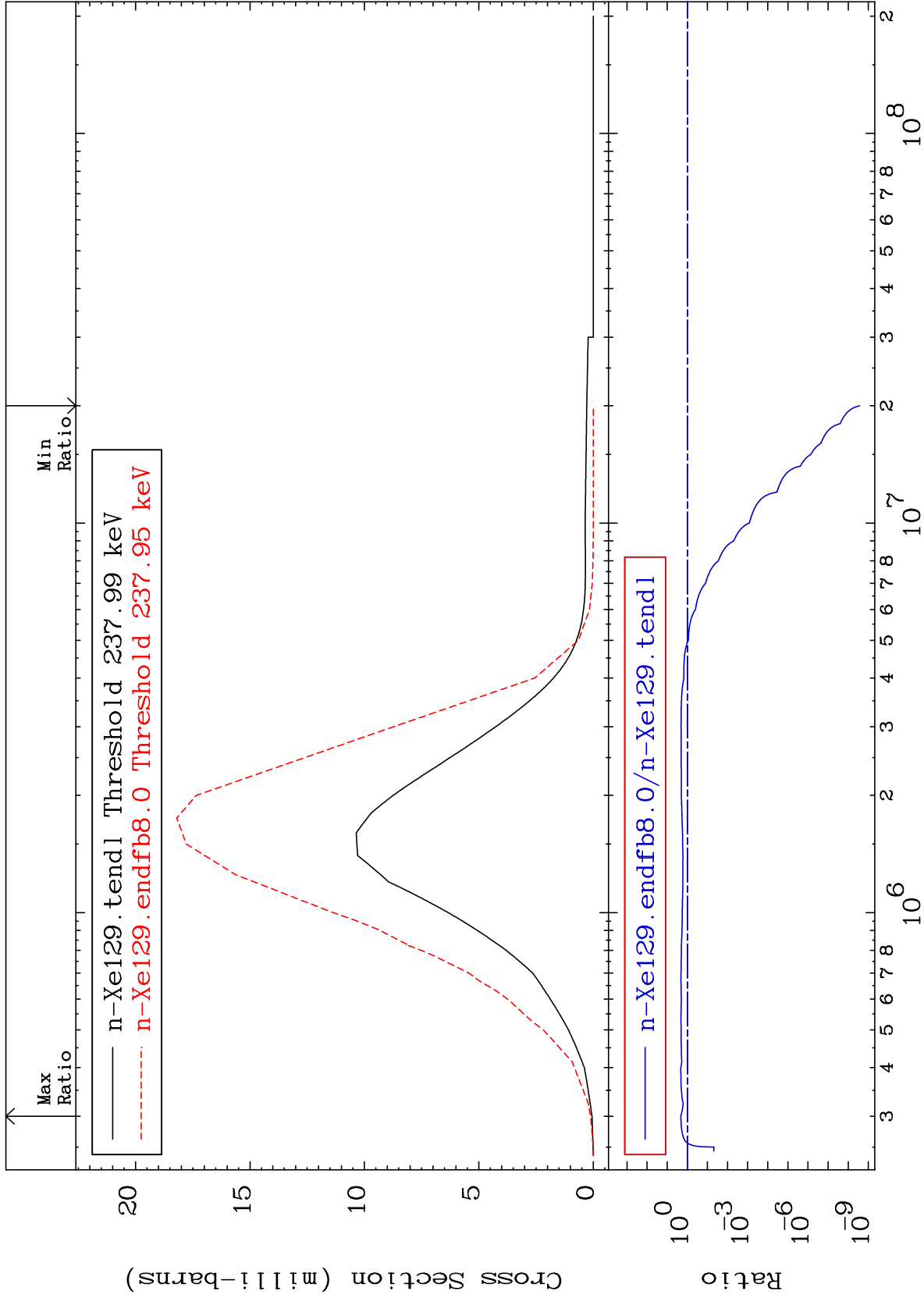
54-Xe-129  
-99.82 To 179.4 %



MAT 5440

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

54-Xe-129  
-100.0 To 111.1 %



10

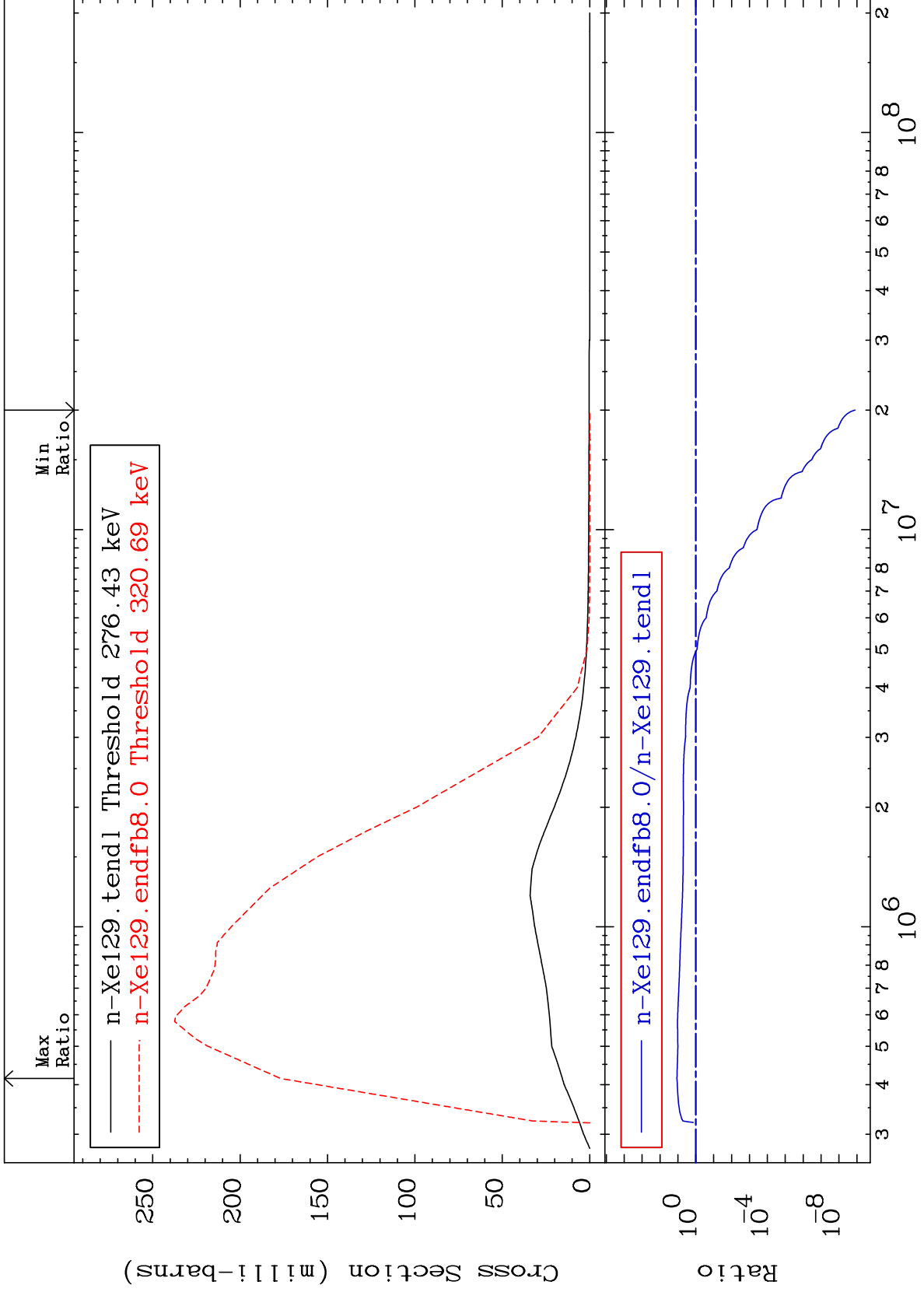
Incident Energy (eV)

54-Xe-129

MAT 5440

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

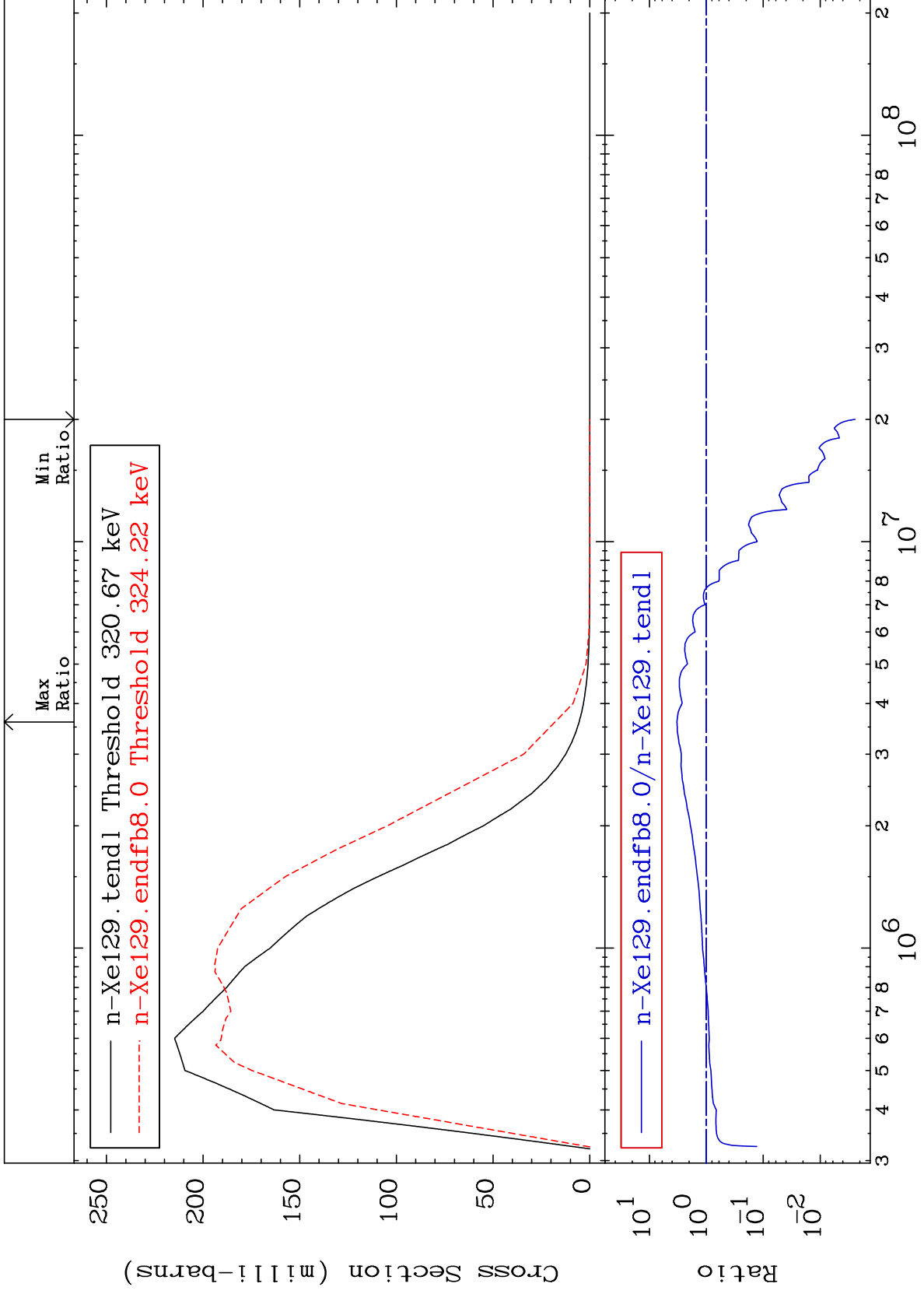
54-Xe-129  
-100.0 To 1030. %



MAT 5440

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

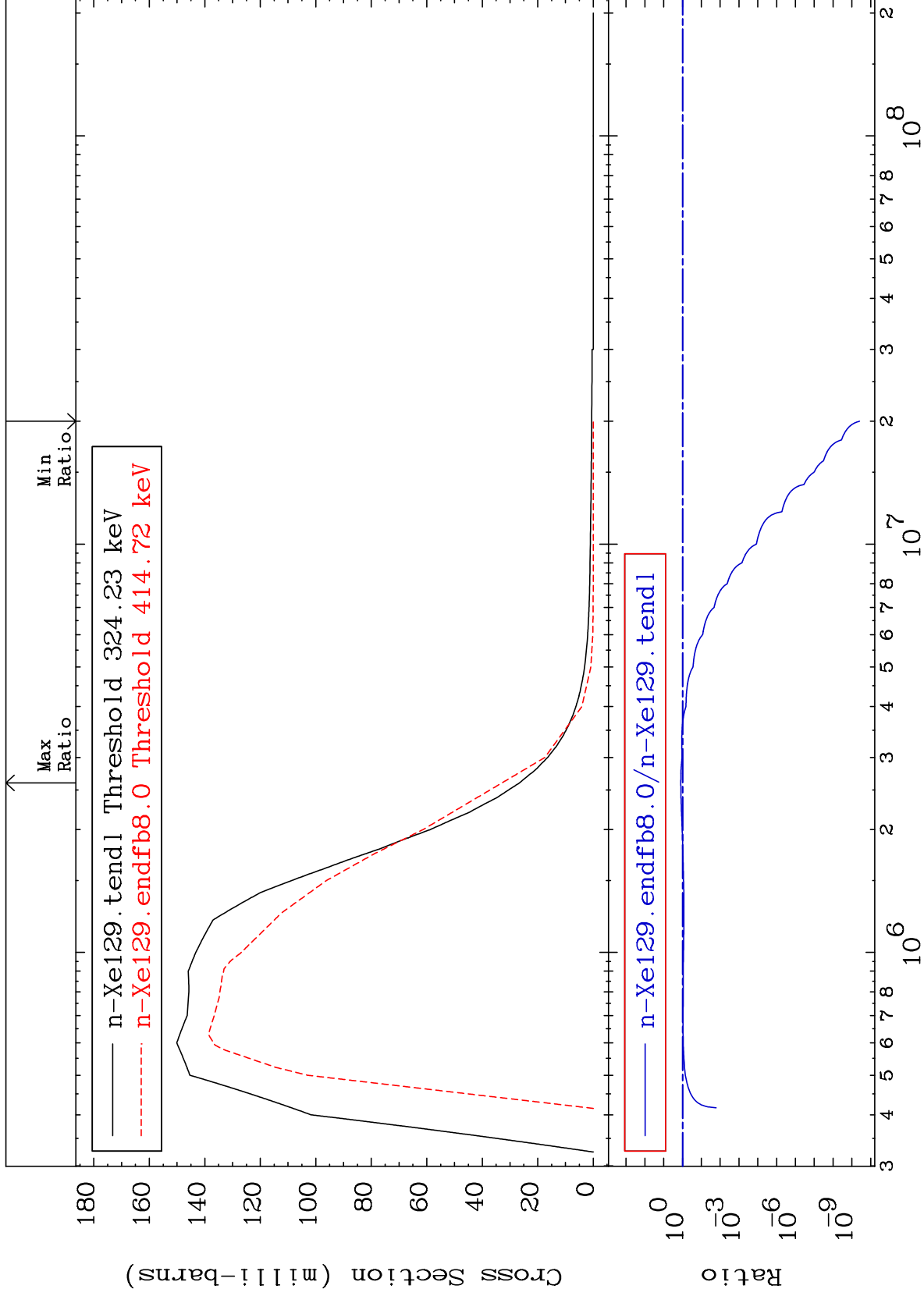
54-Xe-129  
-99.76 To 228.8 %



MAT 5440

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

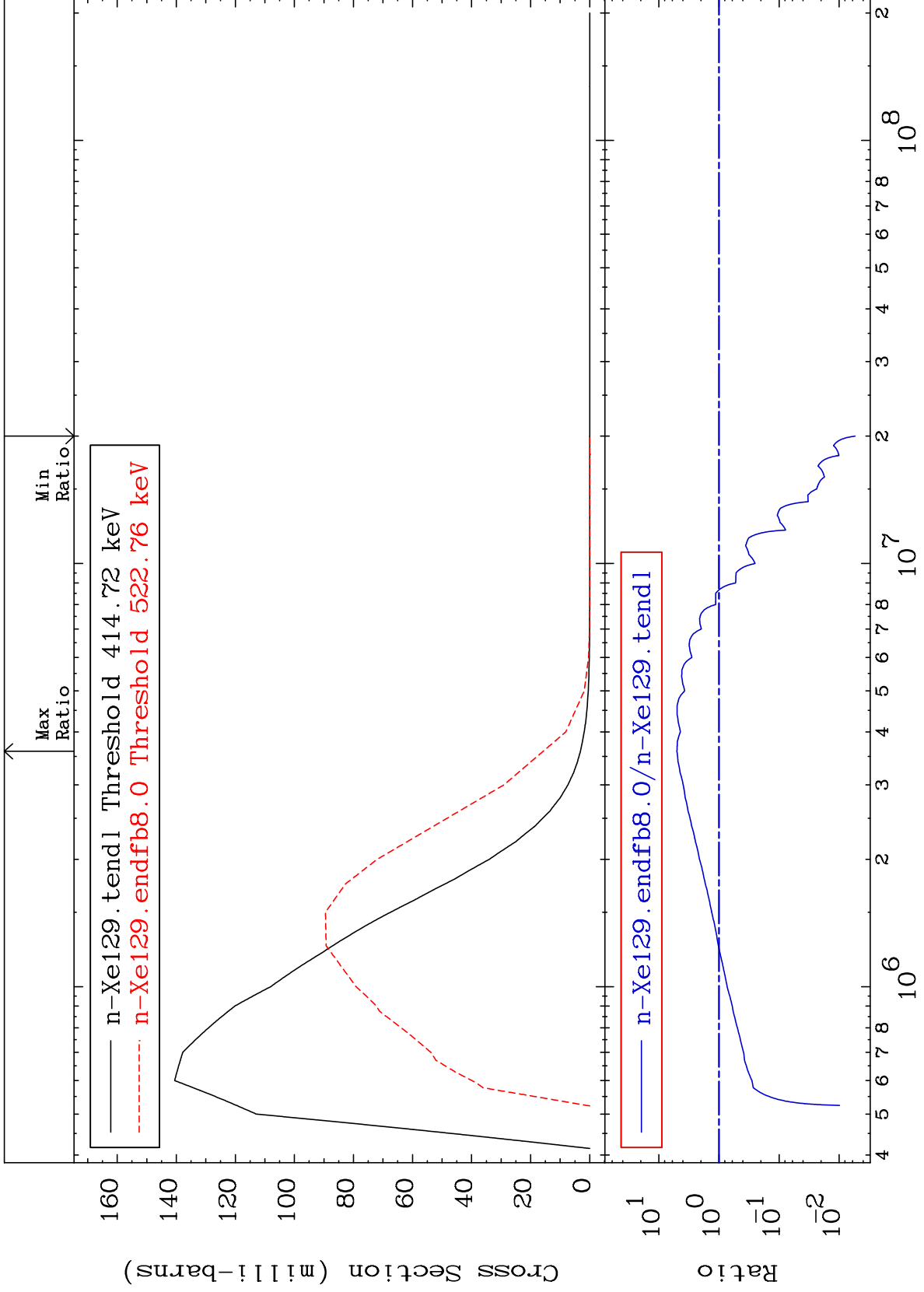
54-Xe-129  
-100.0 To 23.80 %



MAT 5440

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

54-Xe-129  
-99.46 To 401.2 %



14

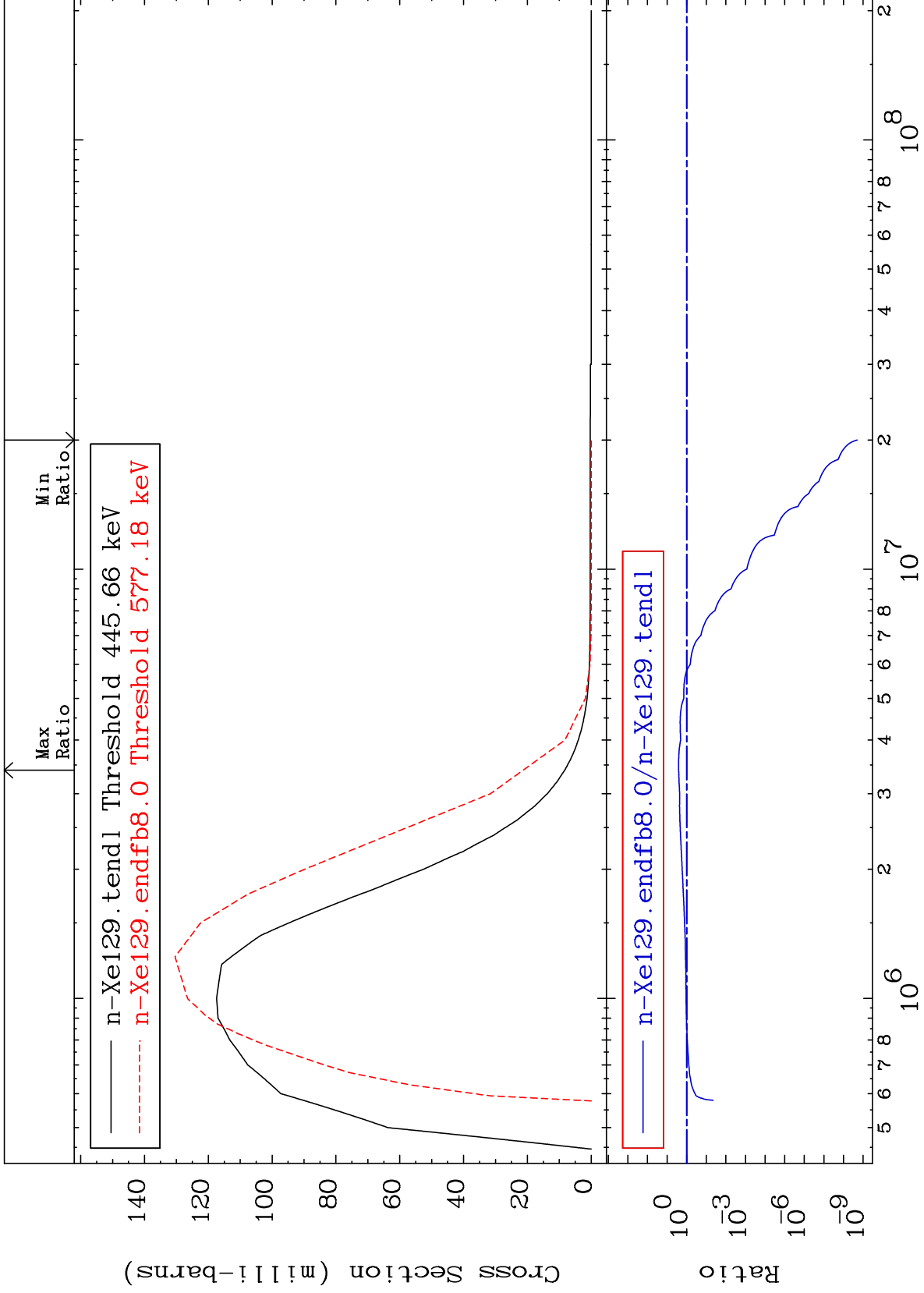
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129  
-100.0 To 157.7 %



15

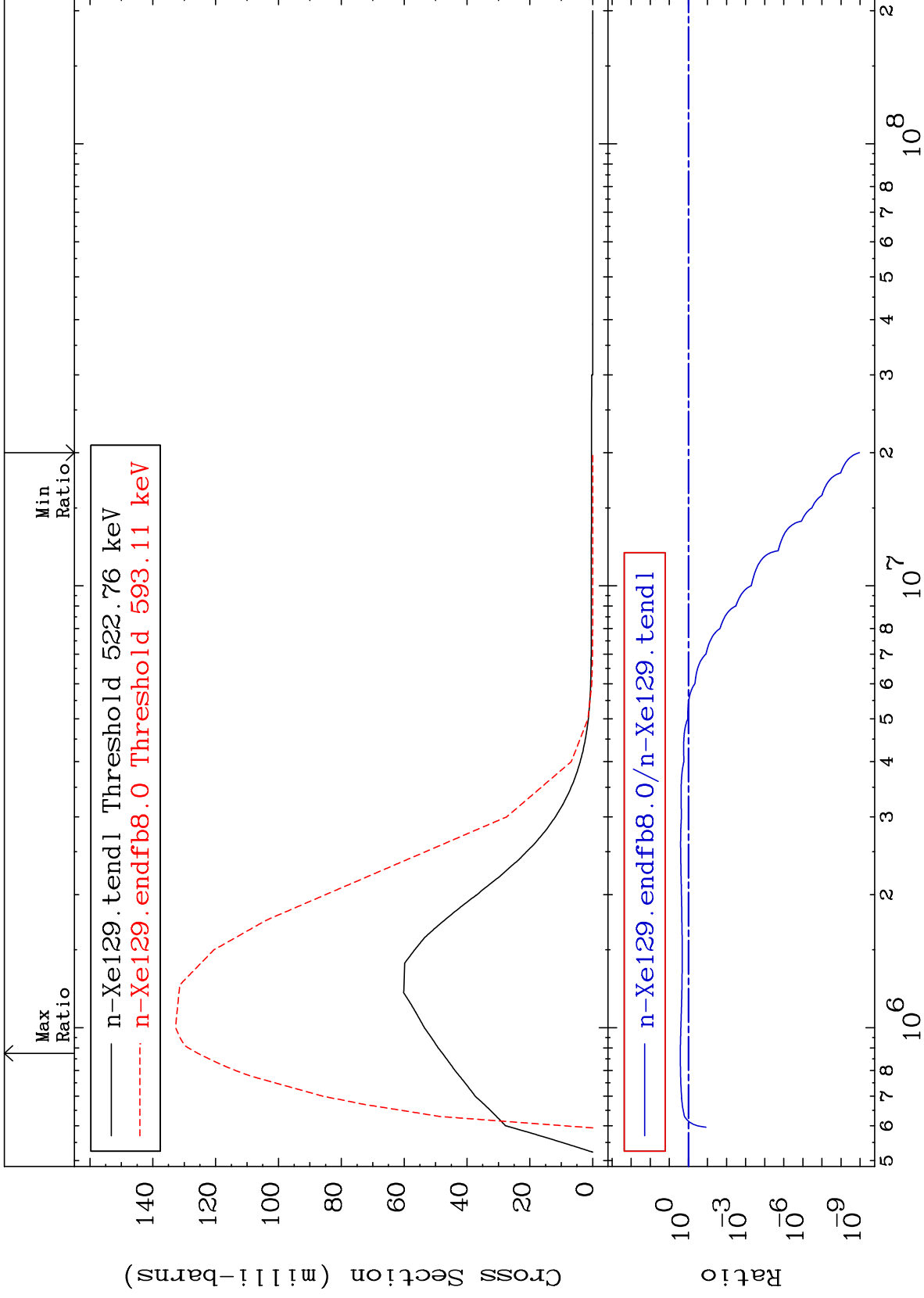
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129  
-100.0 To 162.8 %



16

Incident Energy (eV)

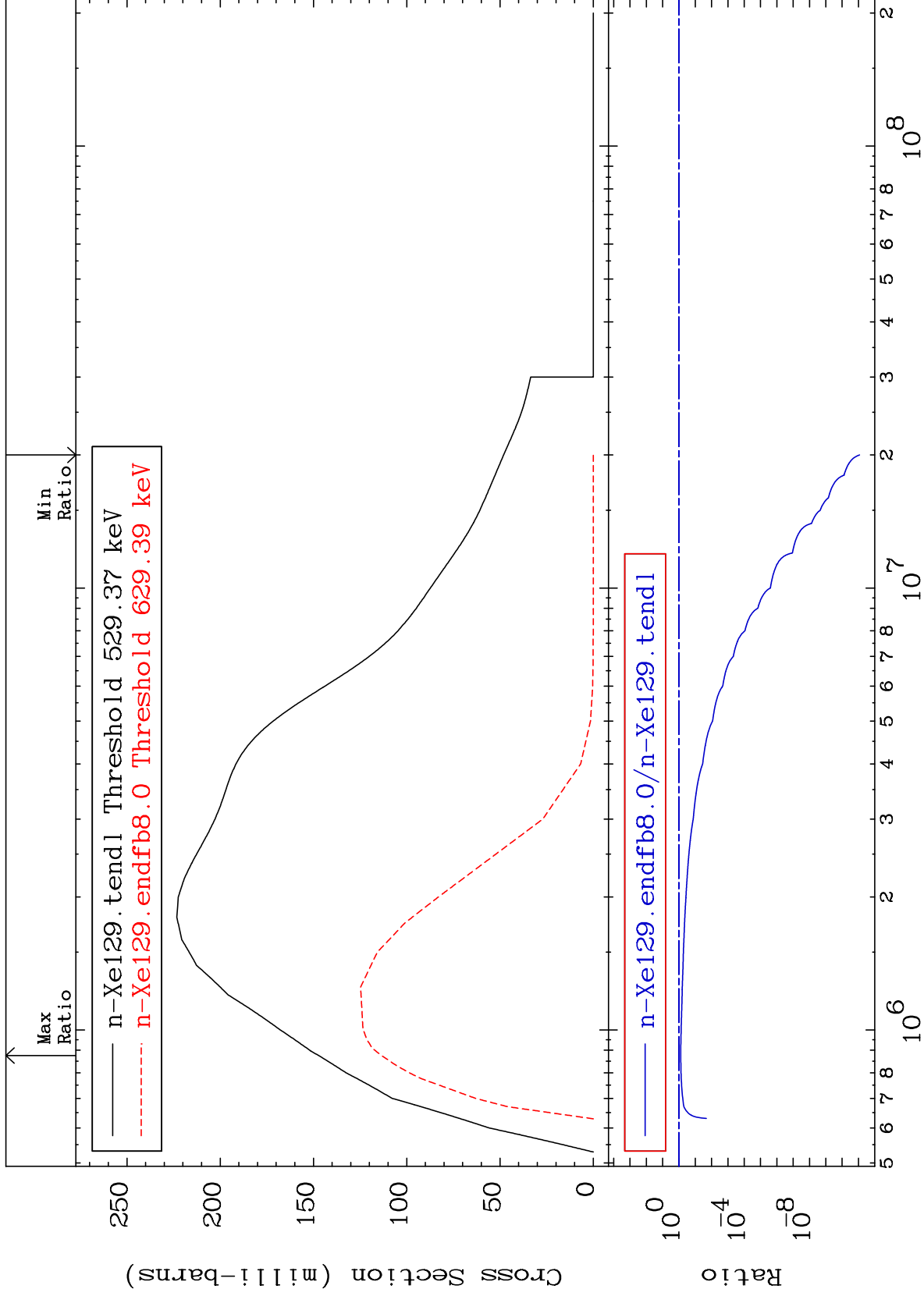
54-Xe-129



MAT 5440

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

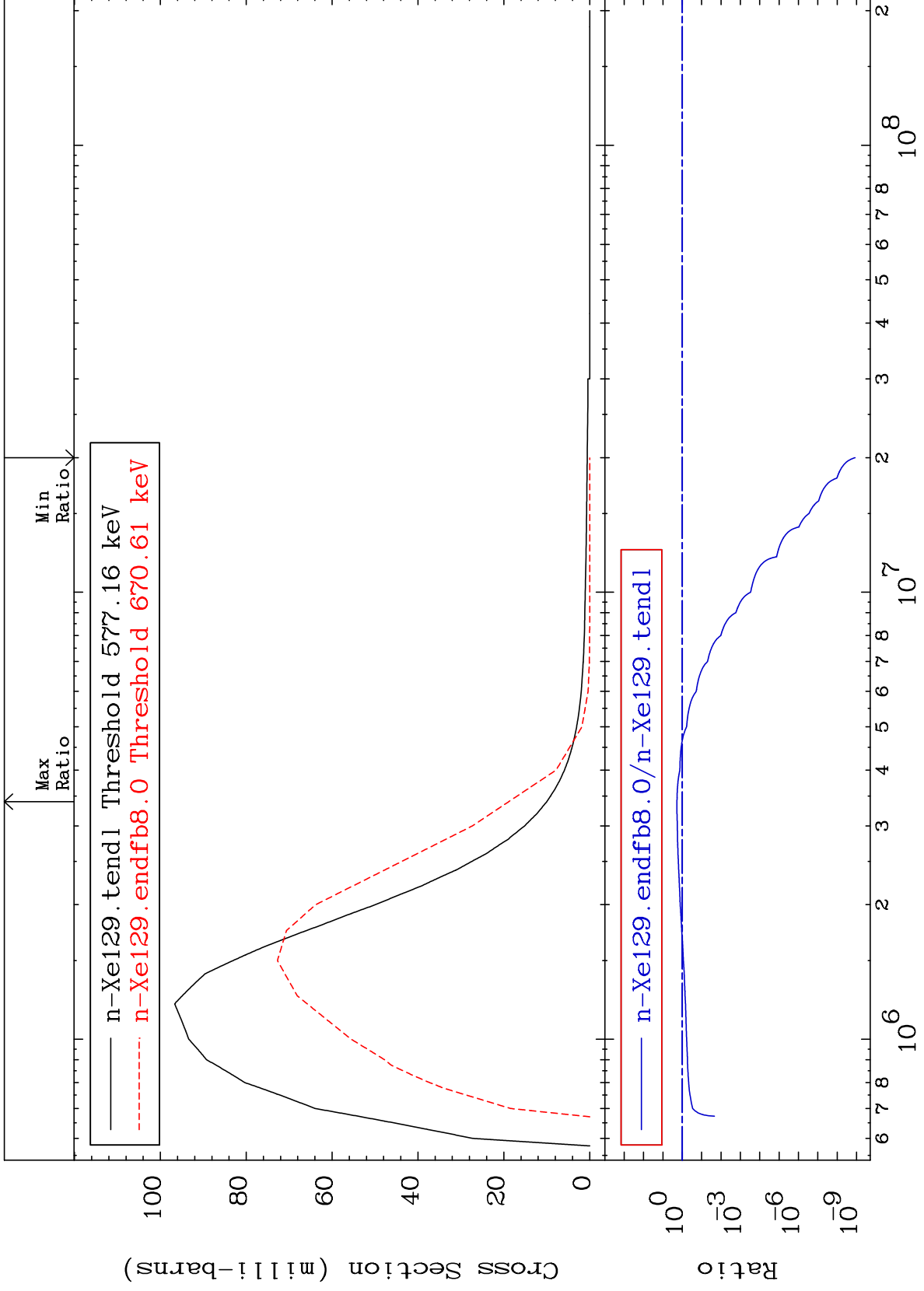
54-Xe-129  
-100.0 To -22.88%



MAT 5440

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

54-Xe-129  
-100.0 To 88.54 %



18

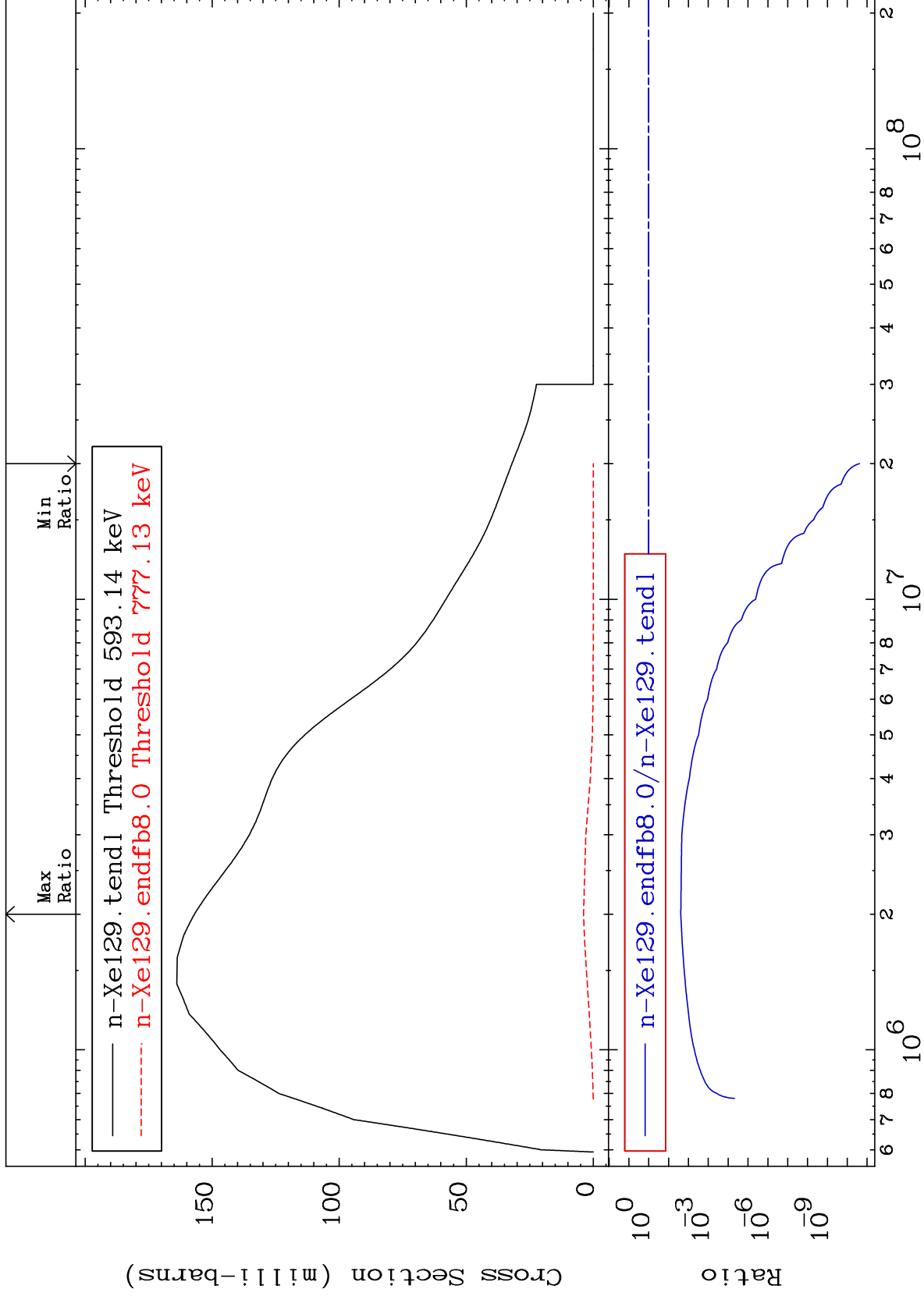
Incident Energy (eV)

54-Xe-129

MAT 5440

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

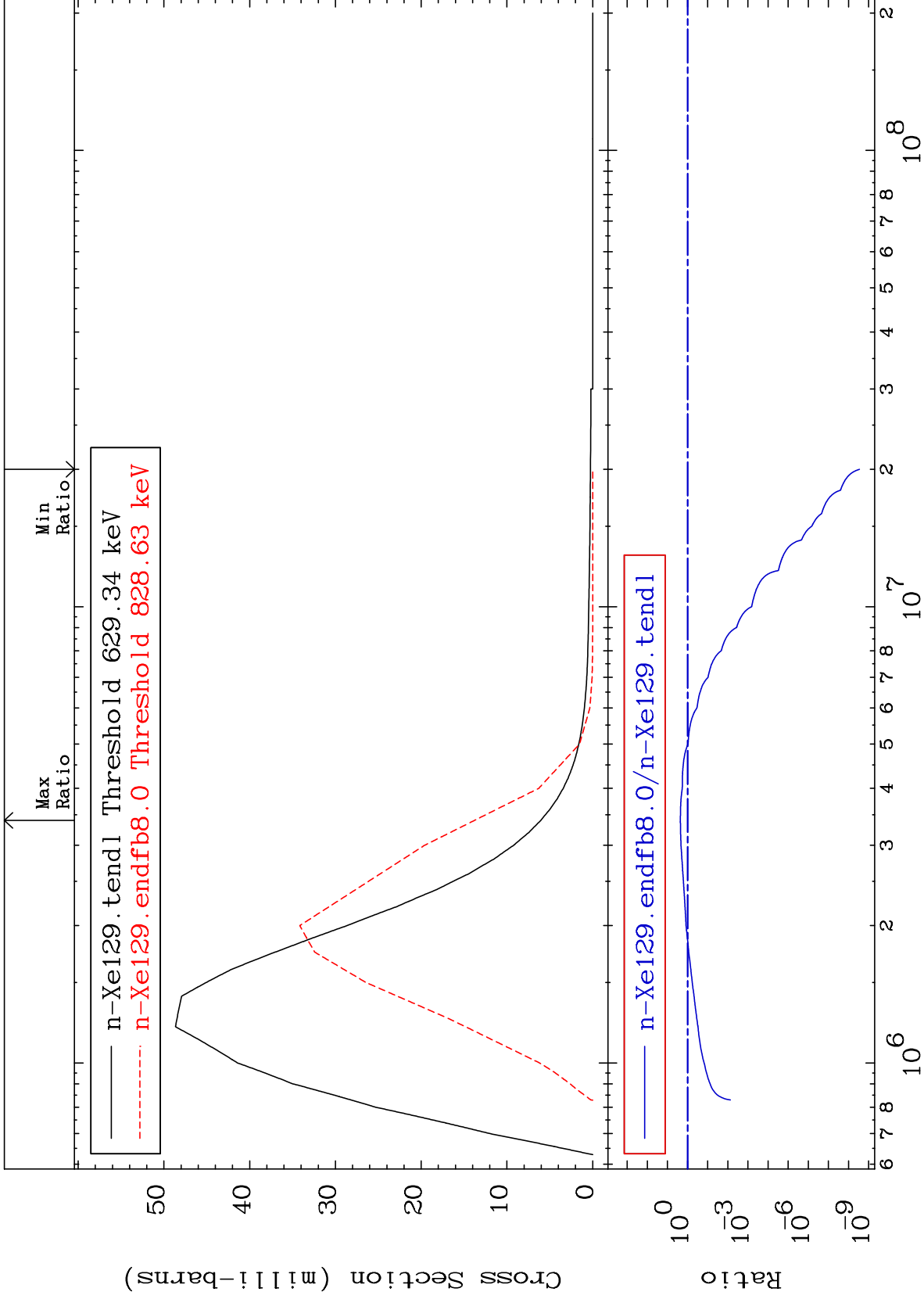
54-Xe-129  
-100.0 To -97.56%



MAT 5440

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

54-Xe-129  
-100.0 To 127.9 %



20

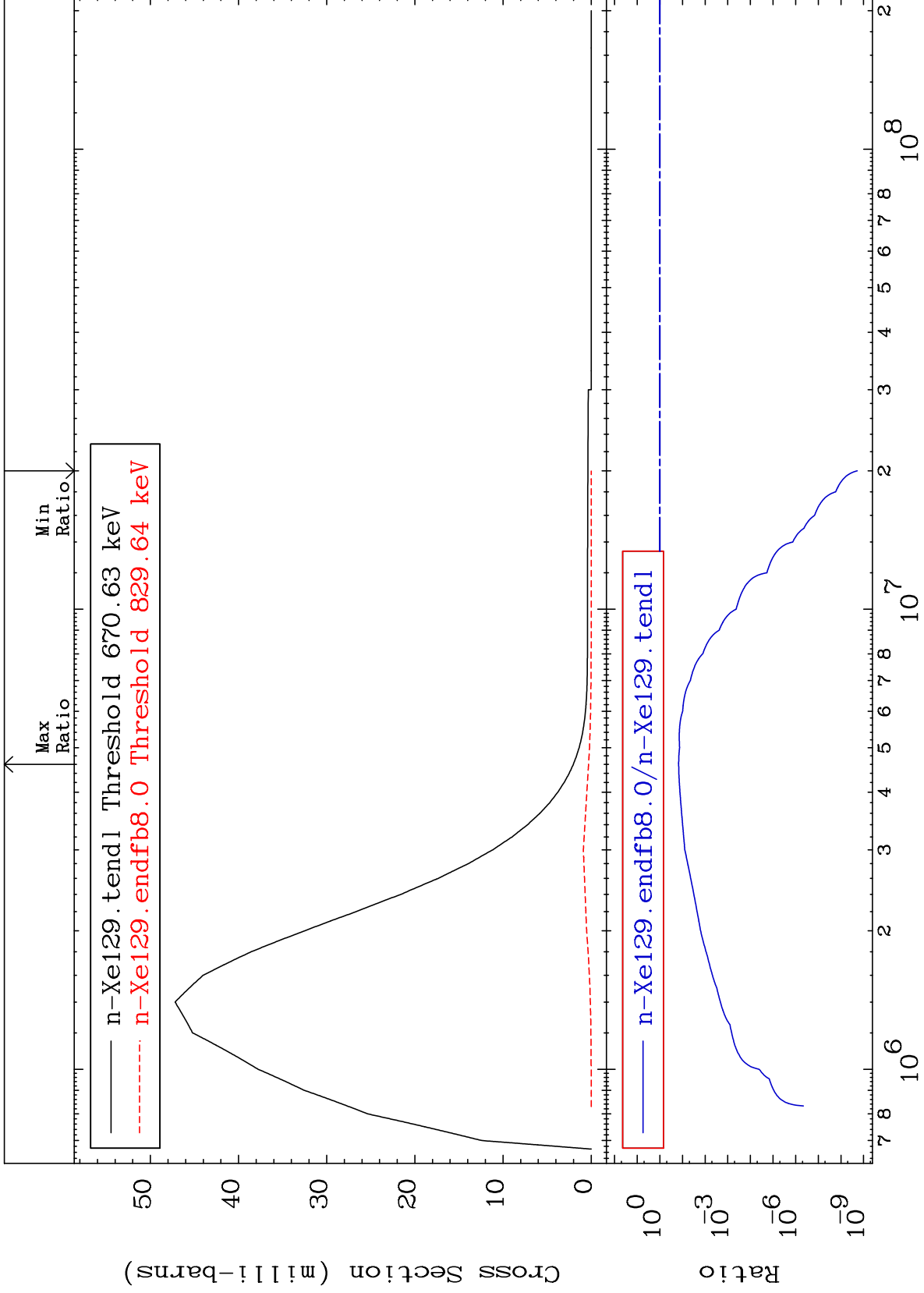
Incident Energy (eV)

54-Xe-129

MAT 5440

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

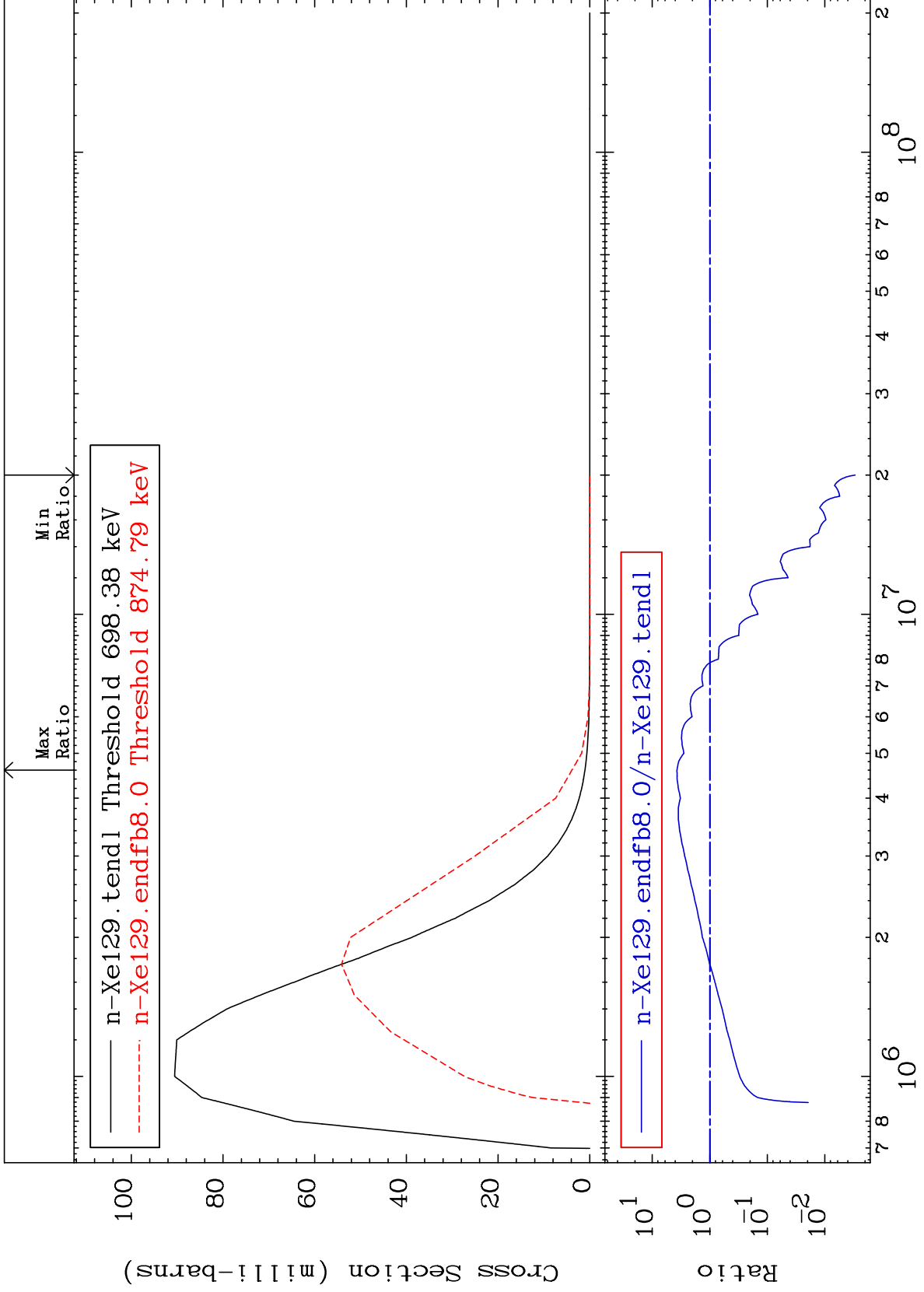
54-Xe-129  
-100.0 To -85.18%



MAT 5440

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

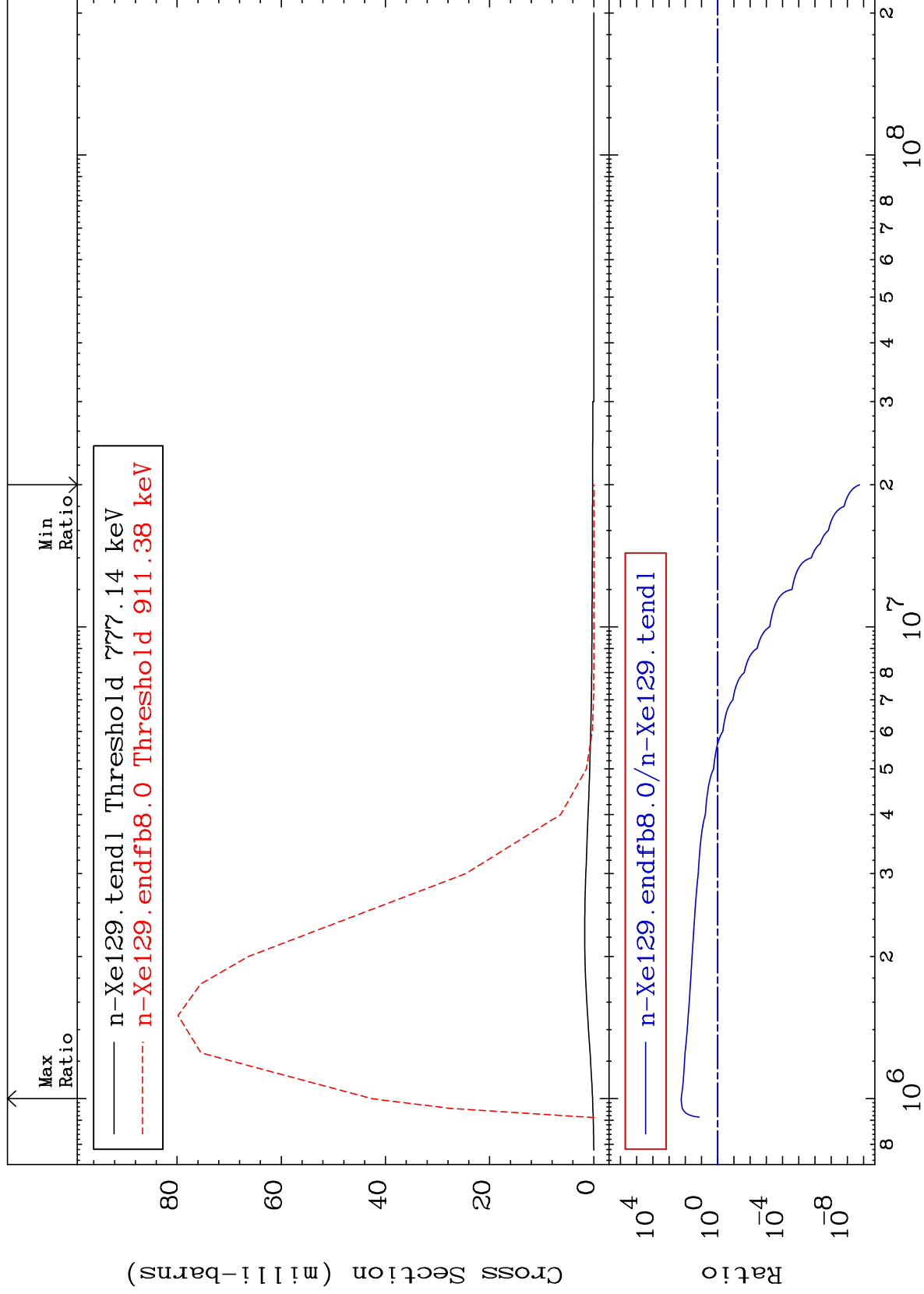
54-Xe-129  
-99.70 To 272.9 %



MAT 5440

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

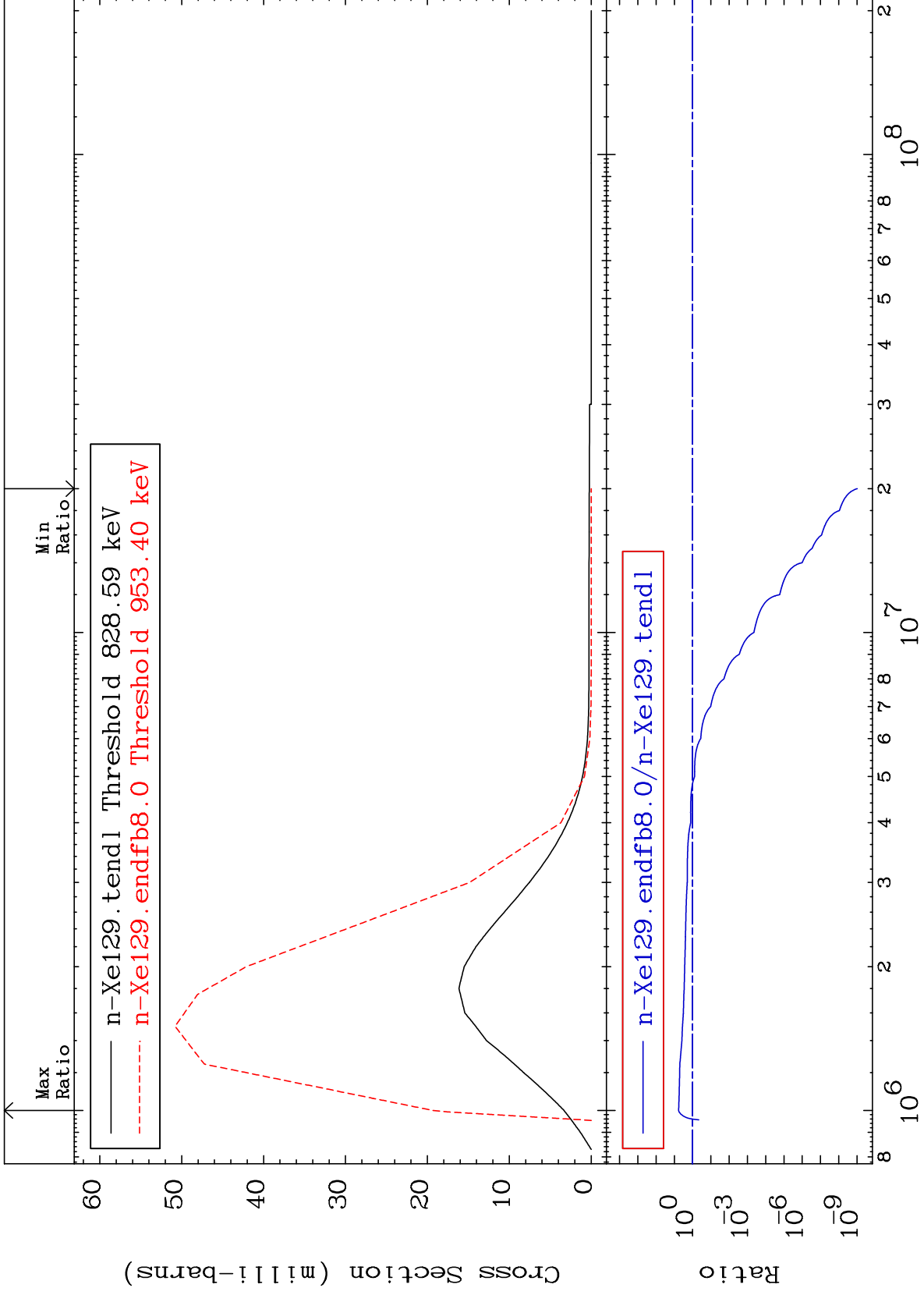
54-Xe-129  
-100.0 To 9999. %



MAT 5440

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

54-Xe-129  
-100.0 To 481.9 %



24

Incident Energy (eV)

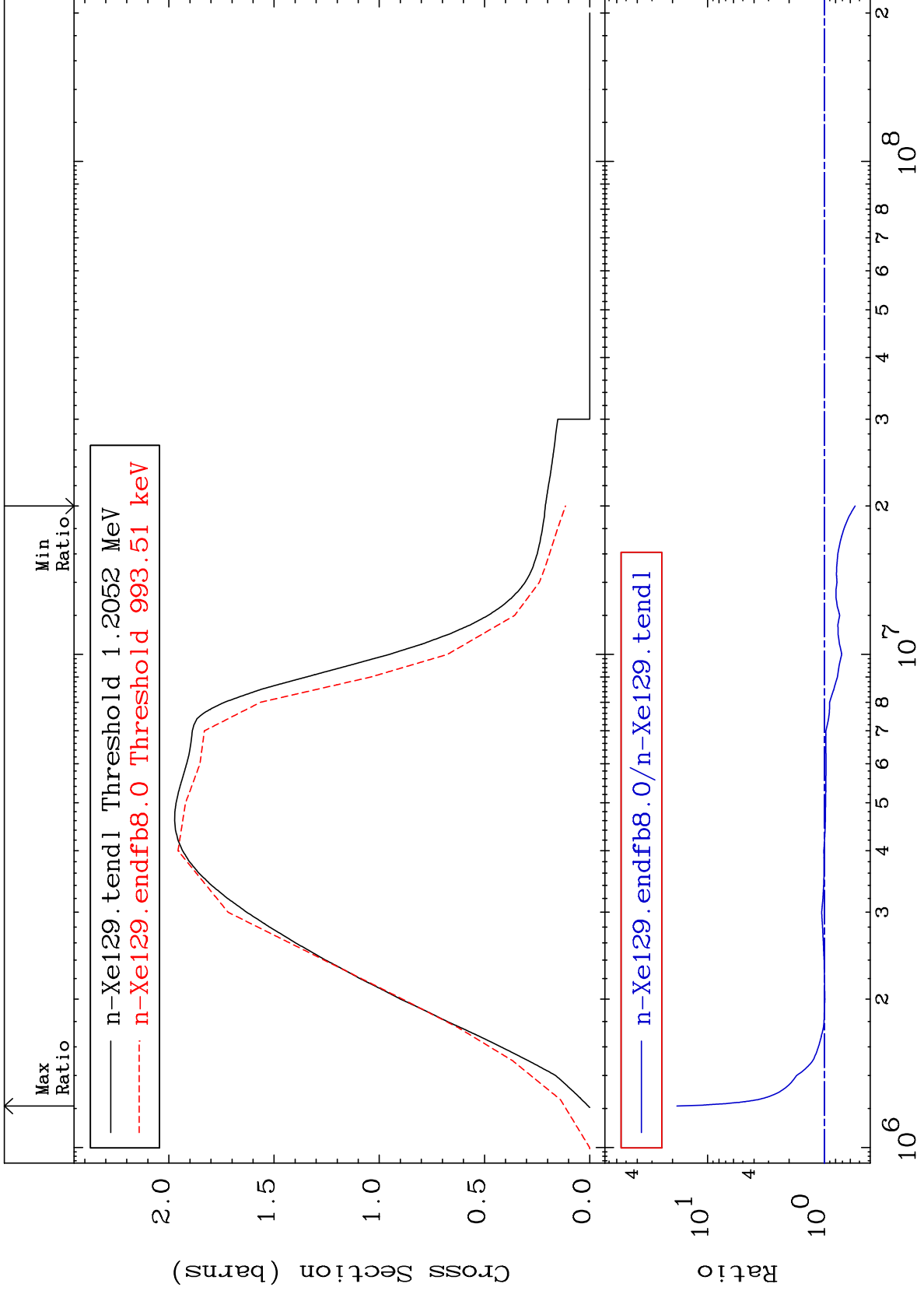
54-Xe-129



MAT 5440

(n, n') Continuum  
Cross Section

54-Xe-129  
-45.45 To 1732. %



25

Incident Energy (eV)

54-Xe-129

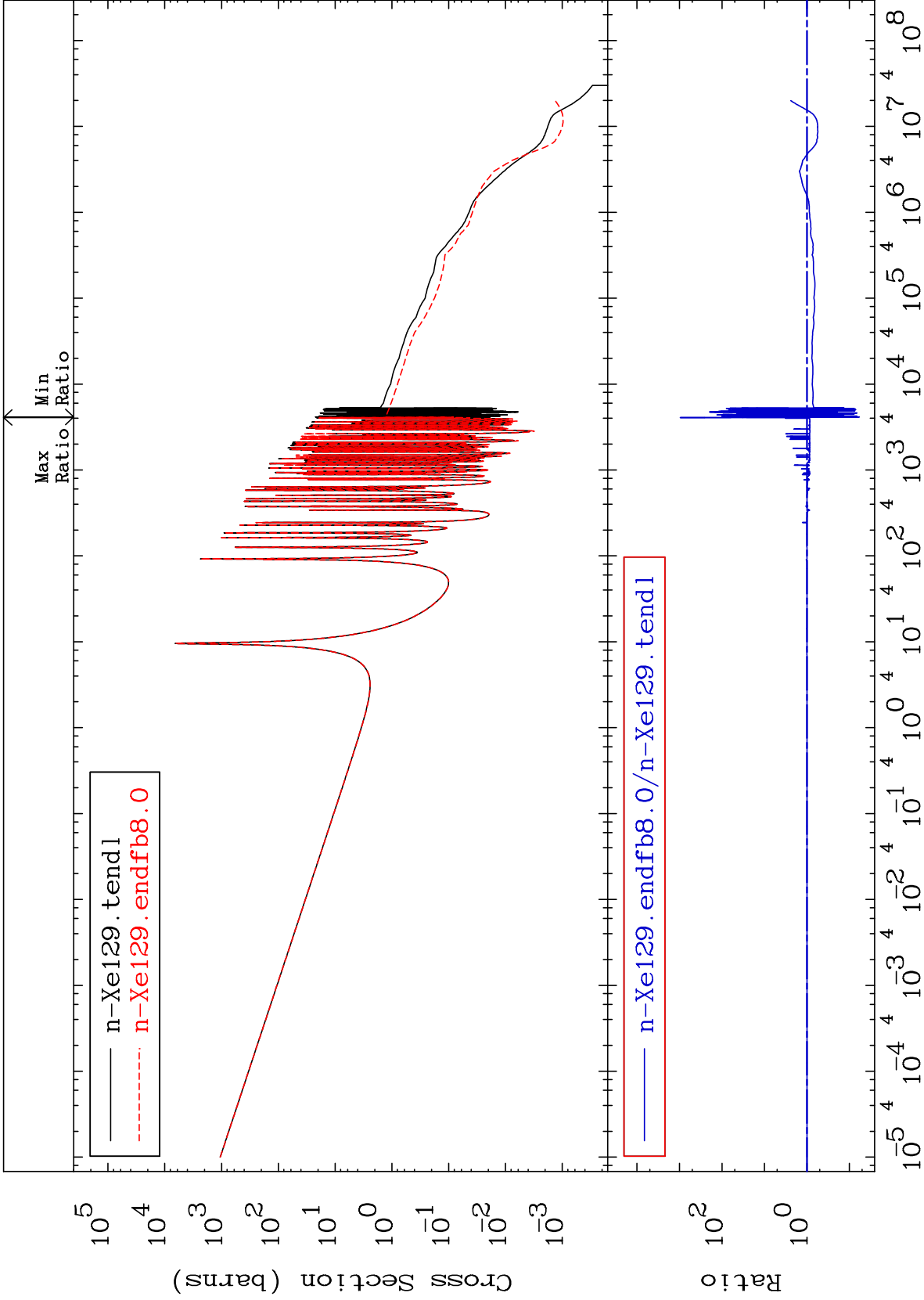
MAT 5440

(n,  $\gamma$ )

54-Xe-129

Cross Section

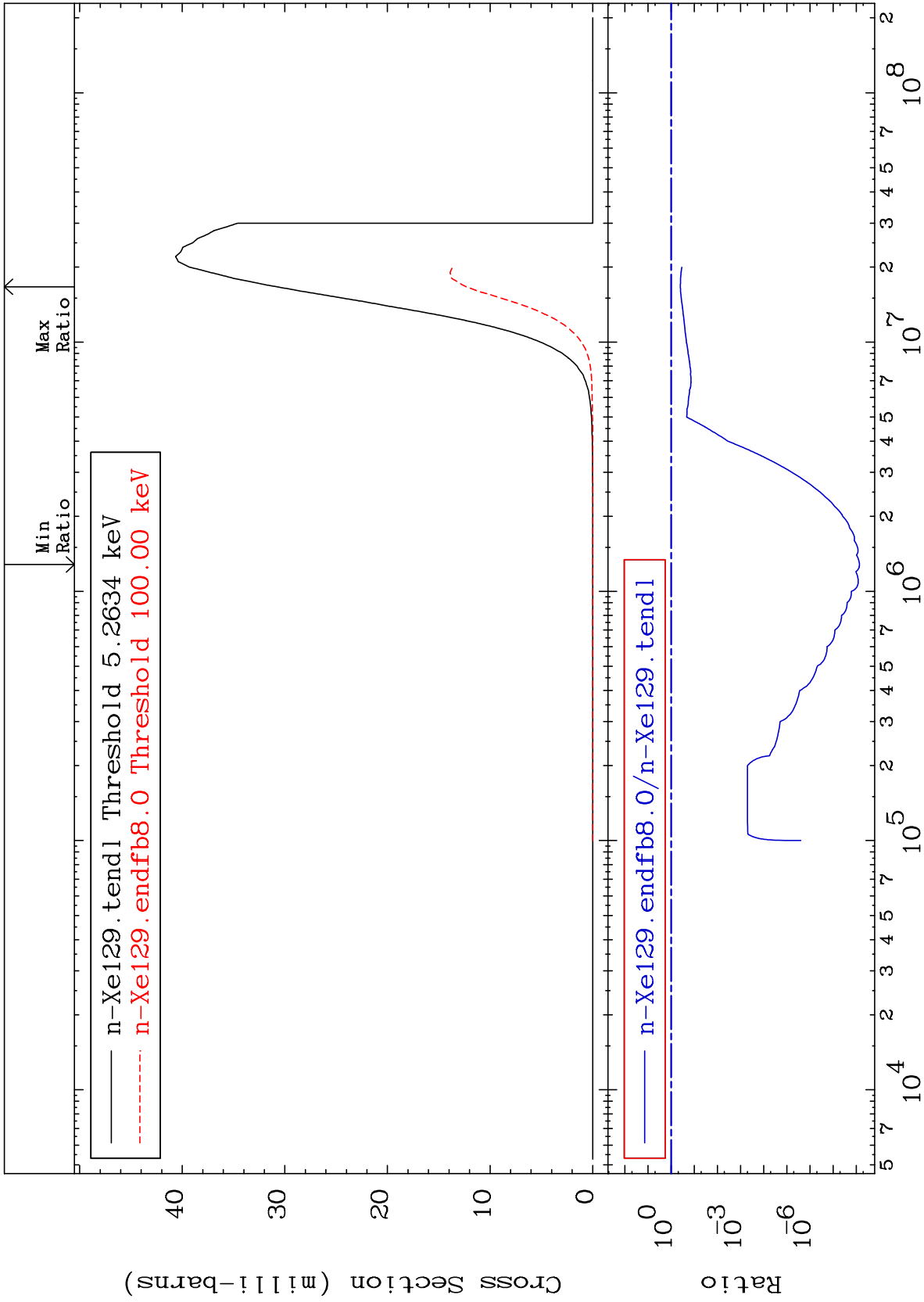
-94.19 To 9999. %



MAT 5440

(n, p)  
Cross Section

54-Xe-129  
-100.0 To -59.97%



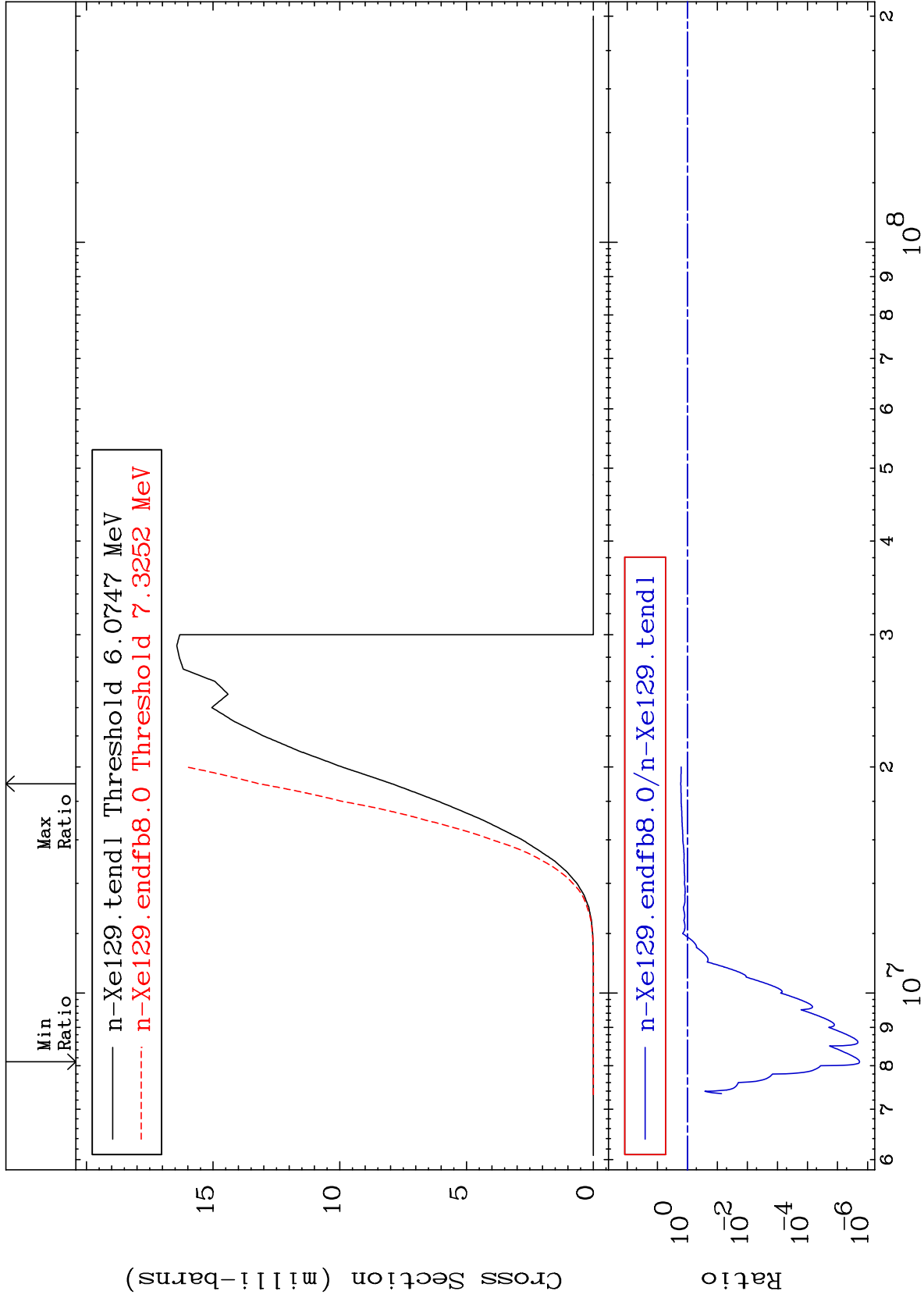
MAT 5440

(n, d)

54-Xe-129

Cross Section

-100.0 To 65.92 %



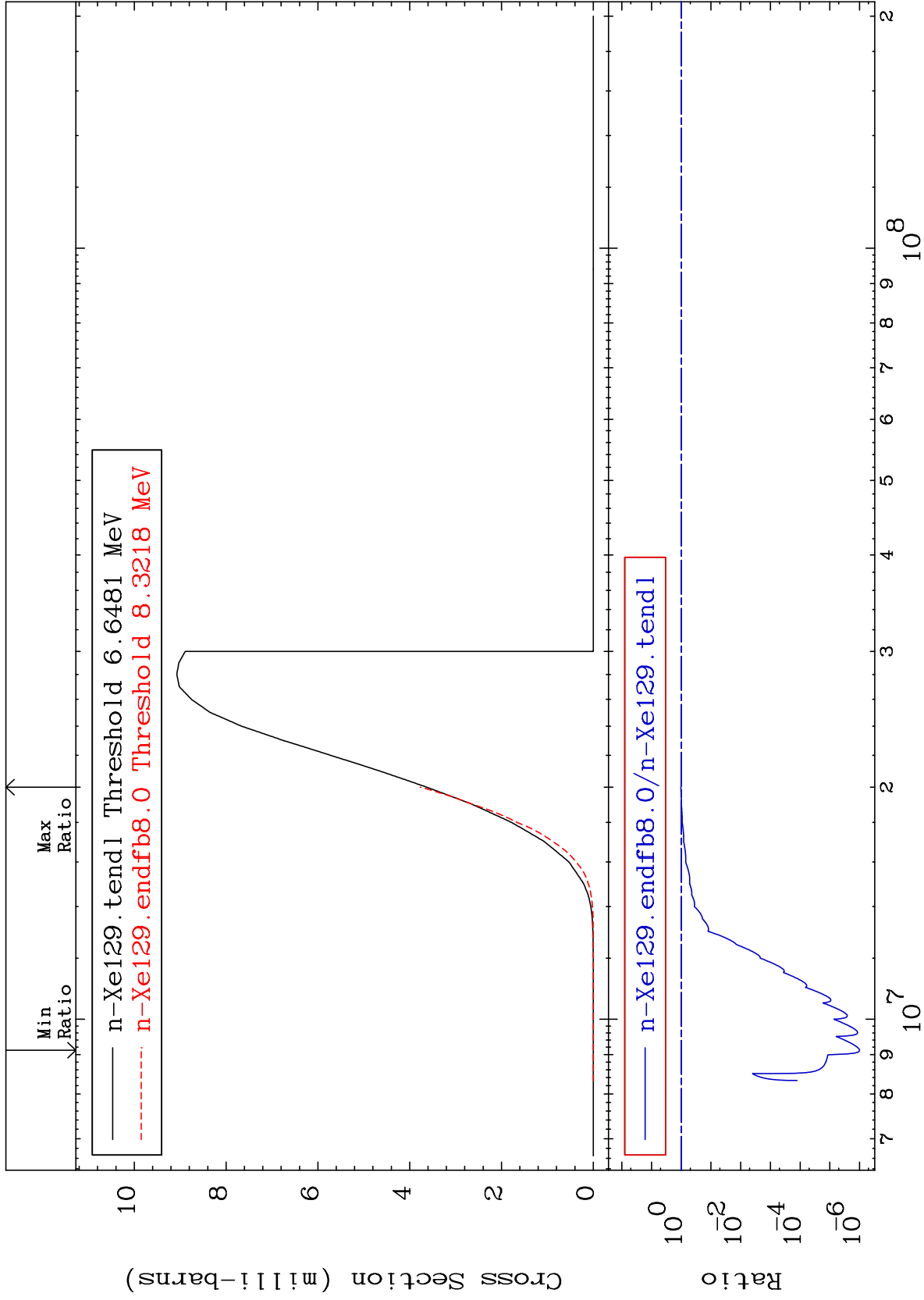
MAT 5440

(n, t)

54-Xe-129

Cross Section

-100.0 To 3.861 %



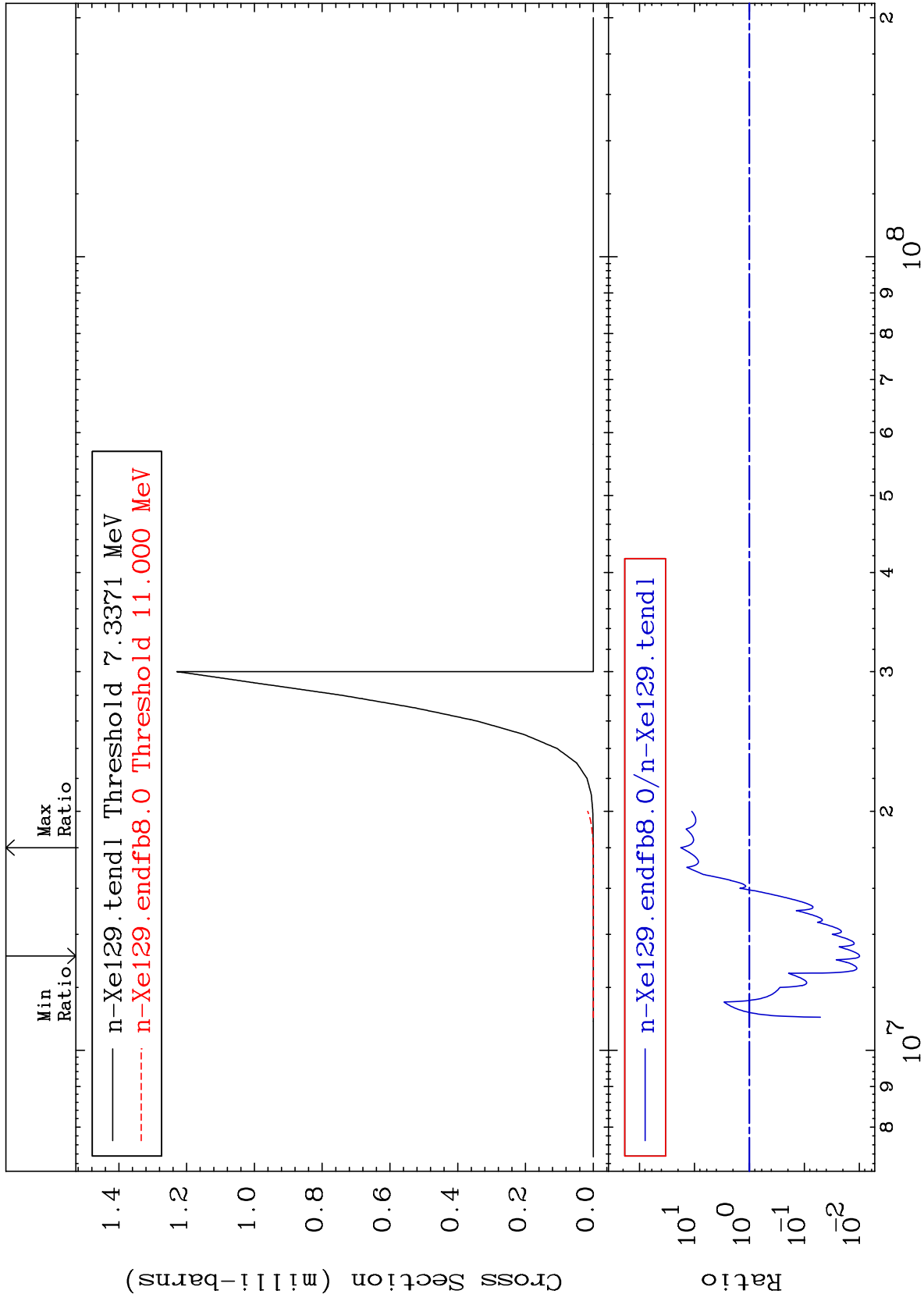
MAT 5440

(n, He-3)

54-Xe-129

Cross Section

-99.01 To 1681. %



30

Incident Energy (eV)

54-Xe-129

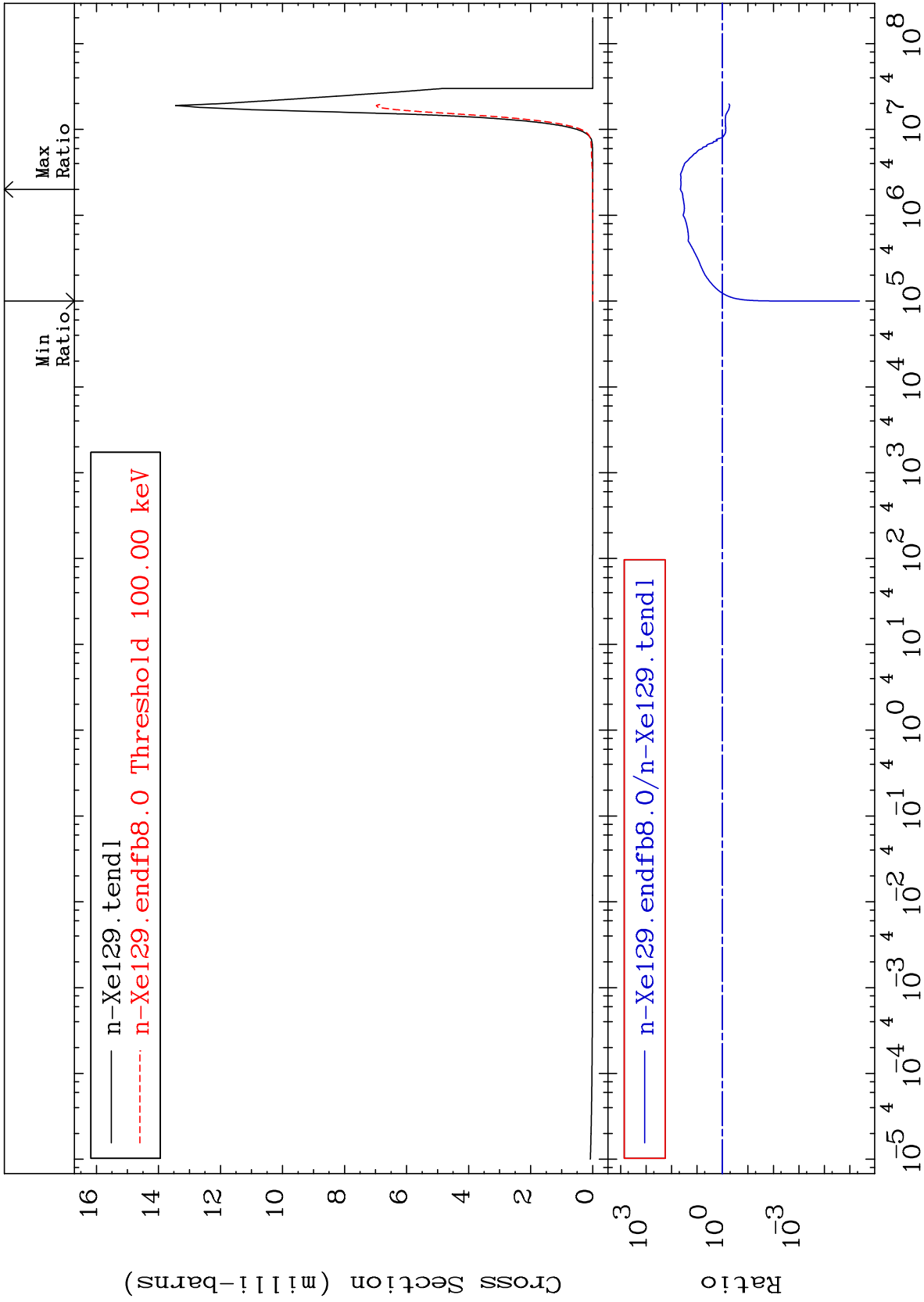
MAT 5440

(n,  $\alpha$ )

54-Xe-129

Cross Section

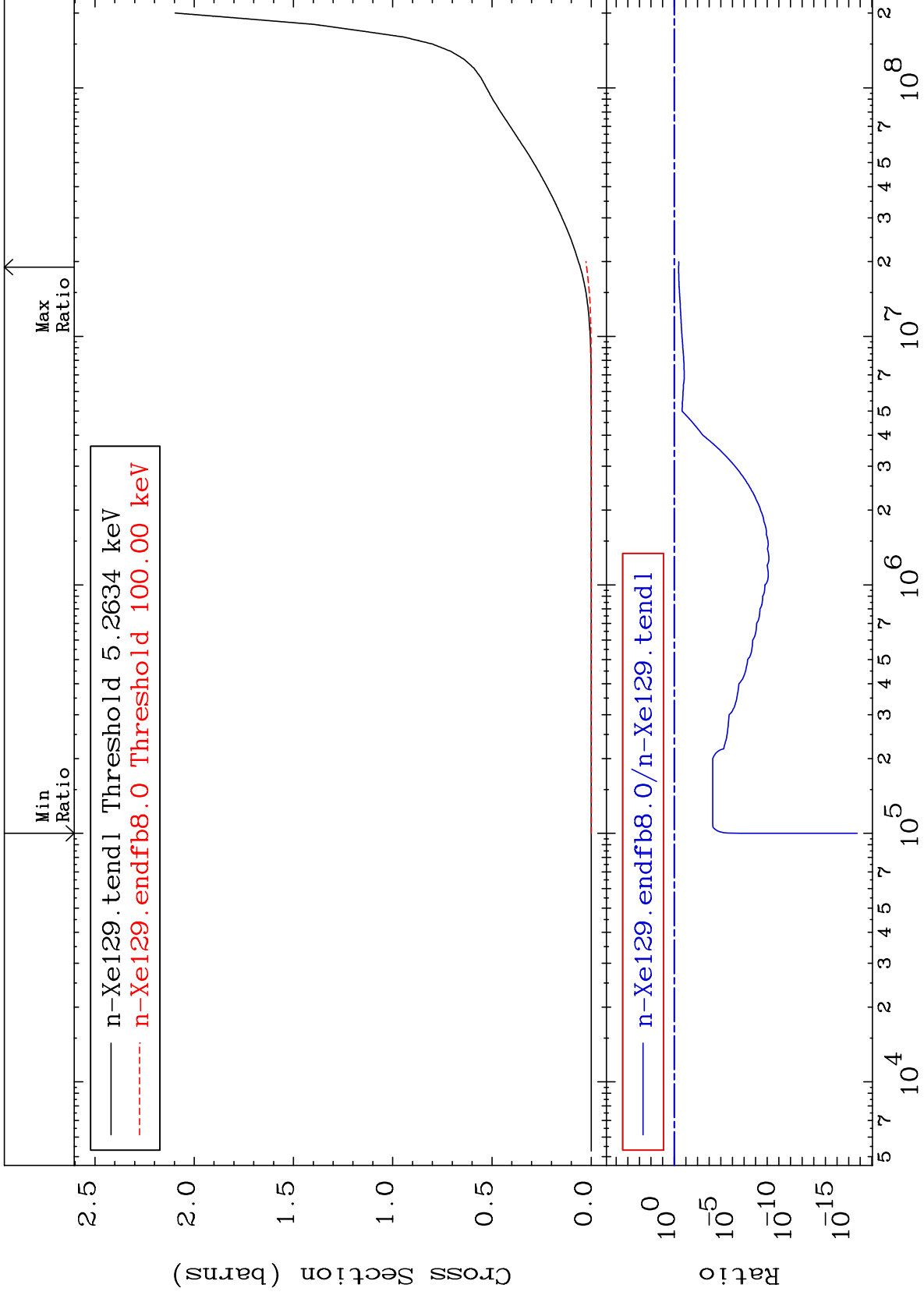
-100.0 To 4408. %



MAT 5440

Hydrogen Production  
Cross Section

54-Xe-129  
-100.0 To -57.84%

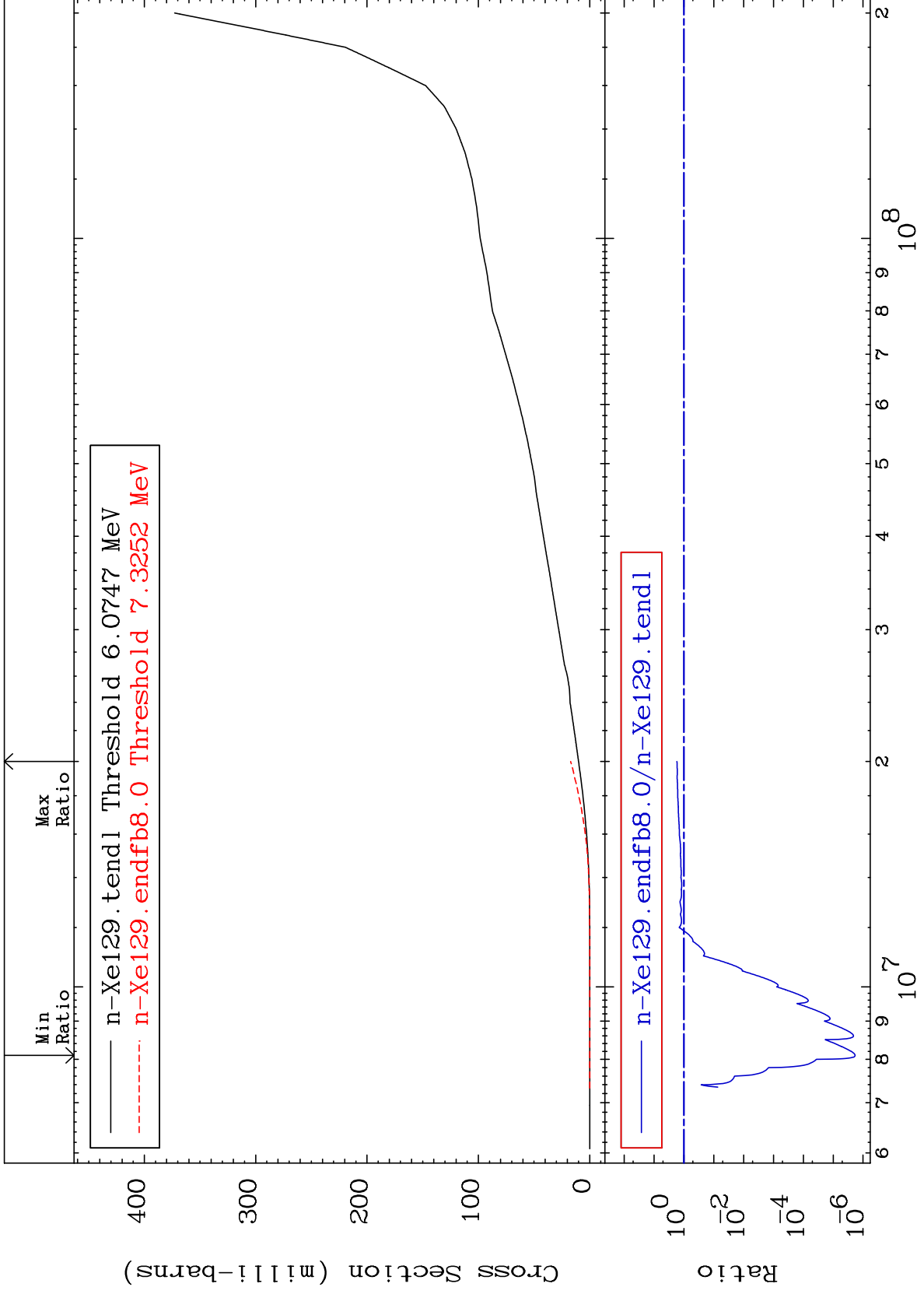




MAT 5440

Deuterium Production  
Cross Section

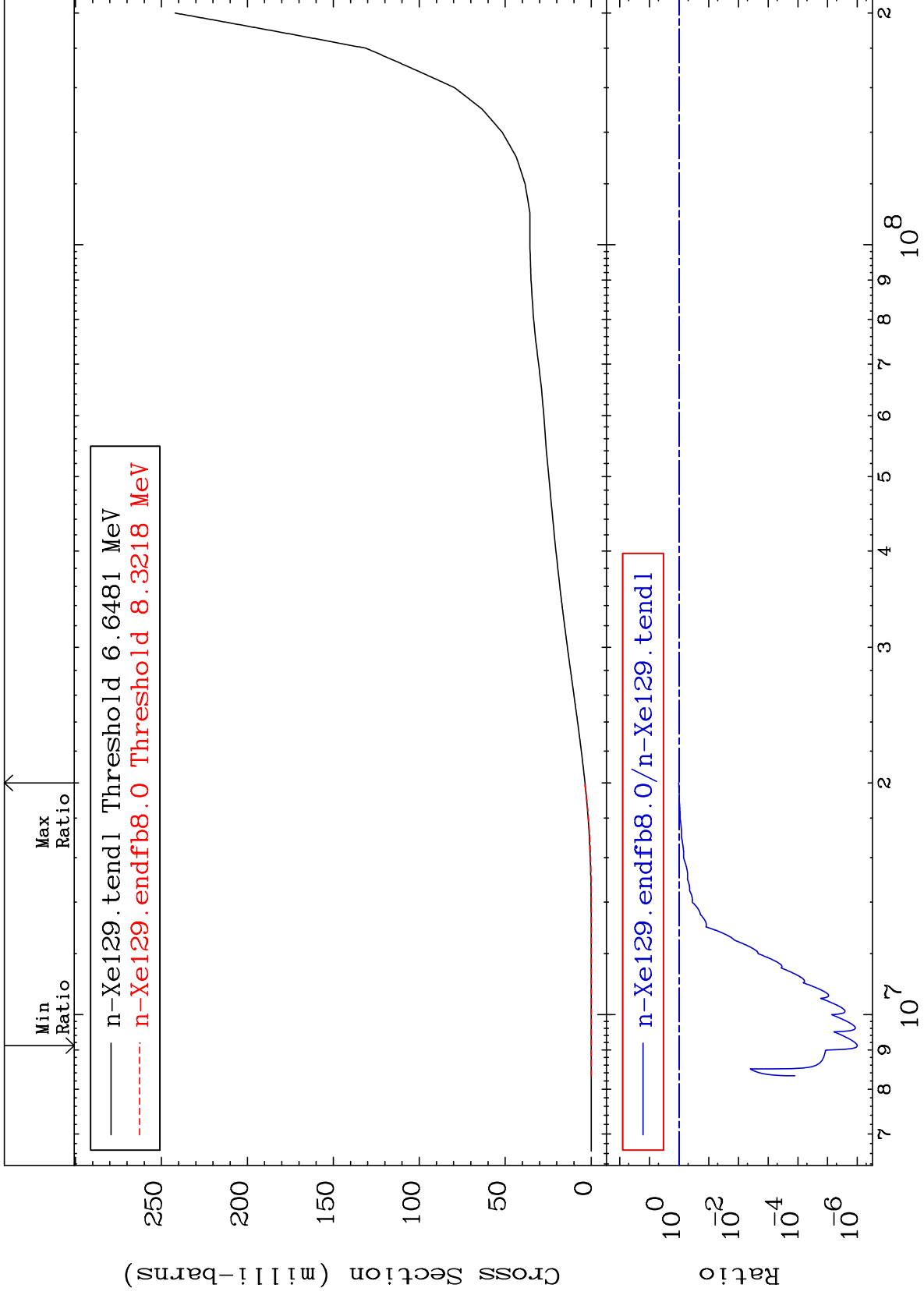
54-Xe-129  
-100.0 To 71.07 %



MAT 5440

Tritium Production  
Cross Section

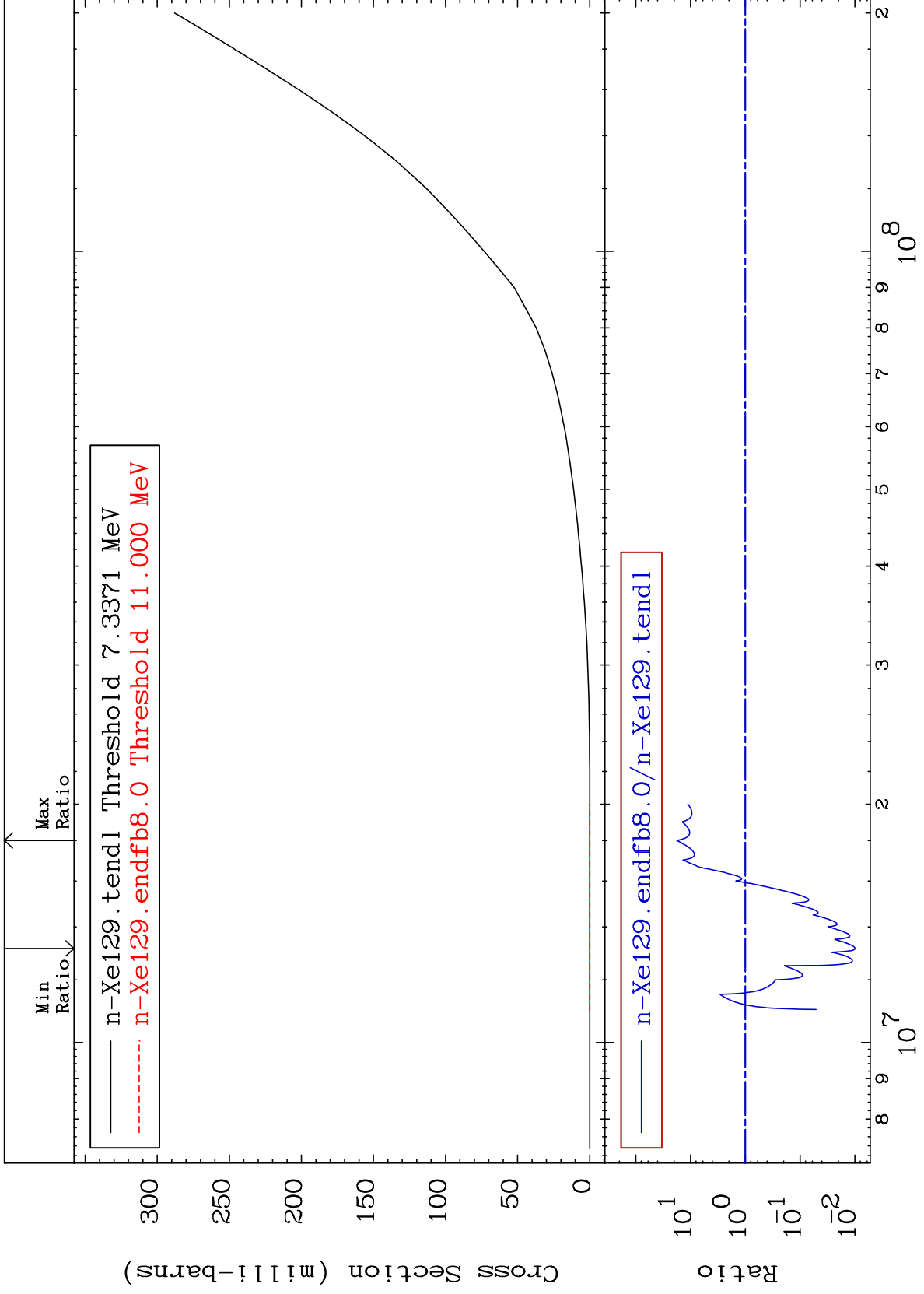
54-Xe-129  
-100.0 To 3.861 %



MAT 5440

He-3 Production  
Cross Section

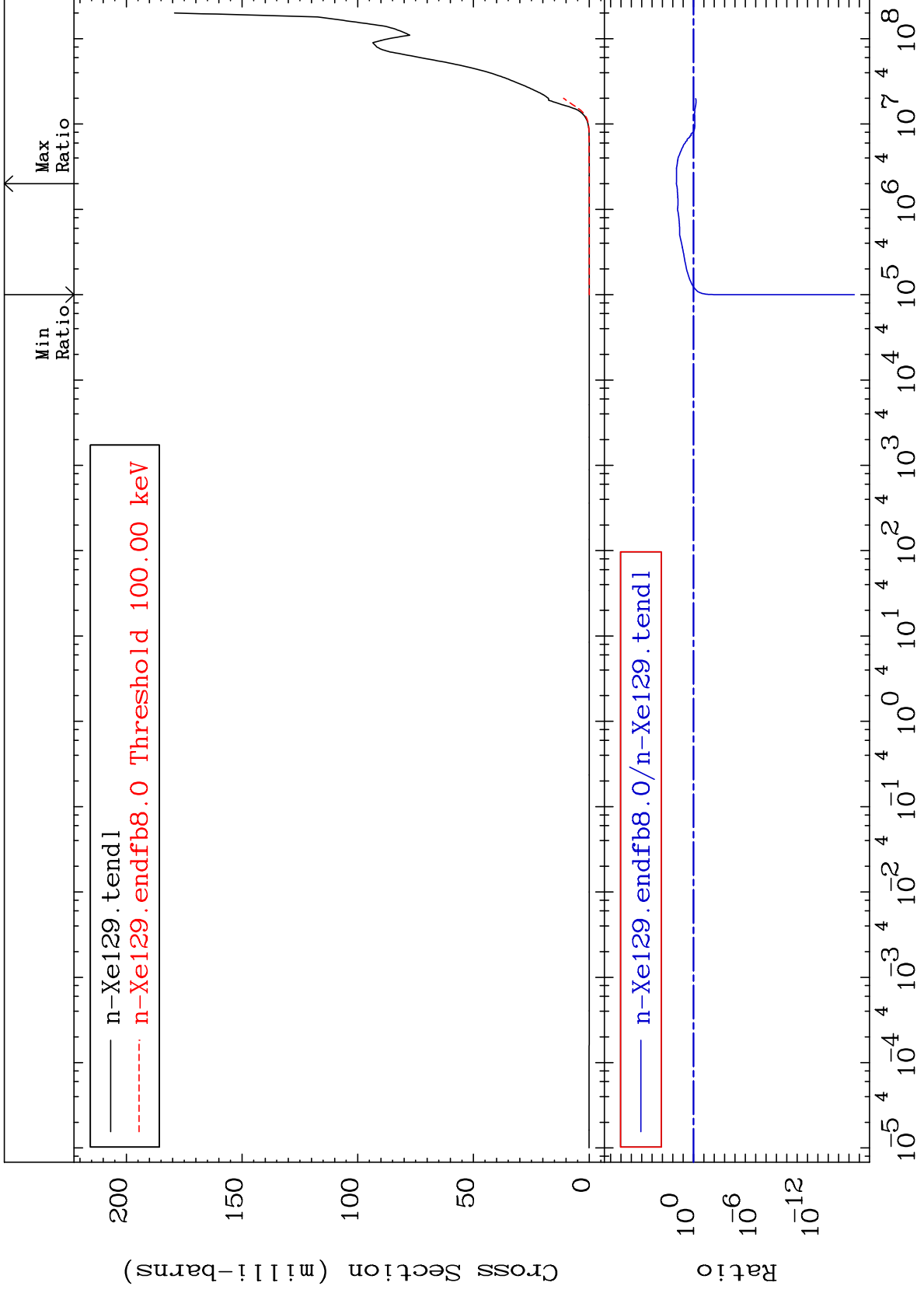
54-Xe-129  
-99.01 To 1681. %



MAT 5440

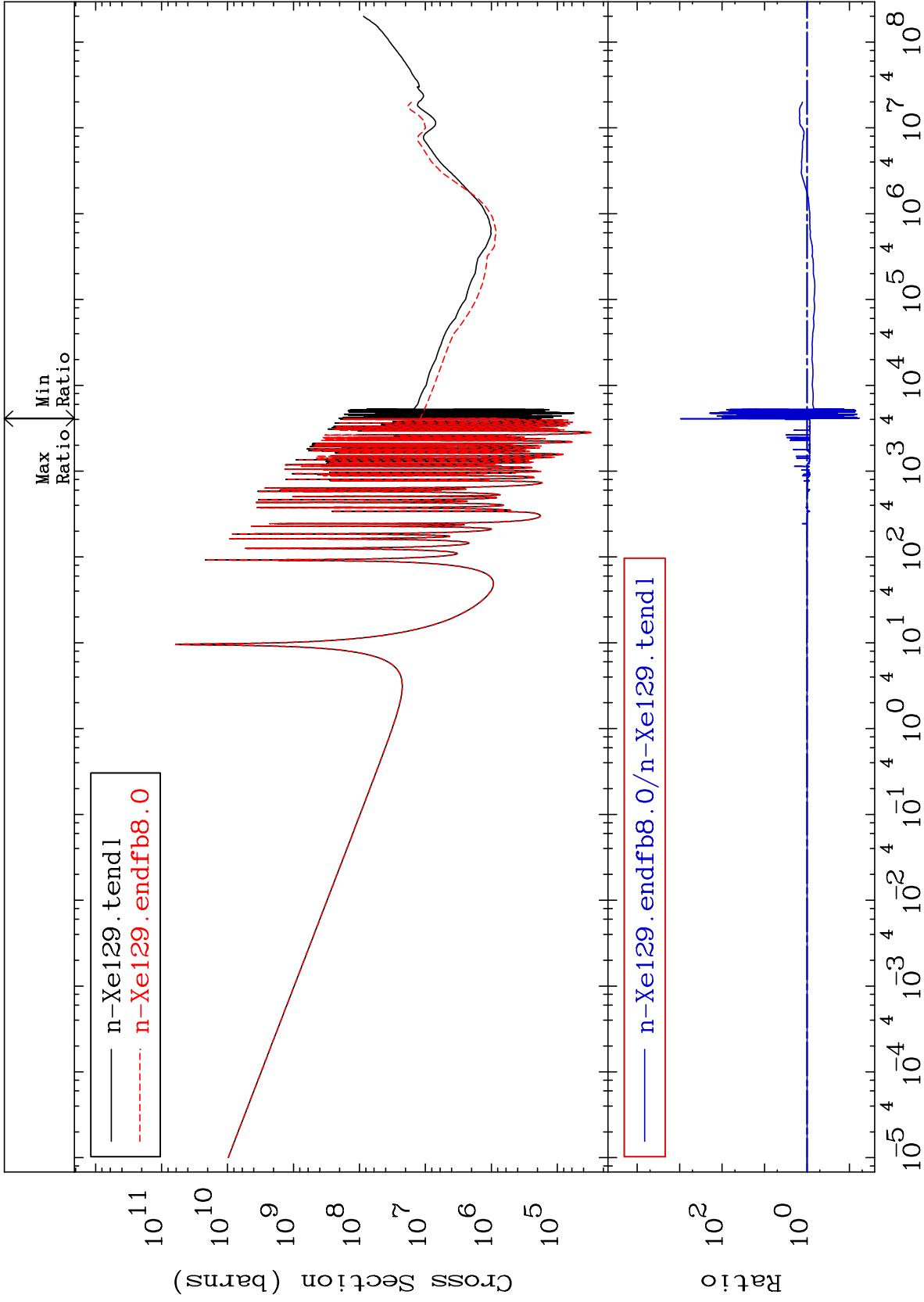
He-4 Production  
Cross Section

54-Xe-129  
-100.0 To 4408. %



Cross Section

-94.18 To 9999. %



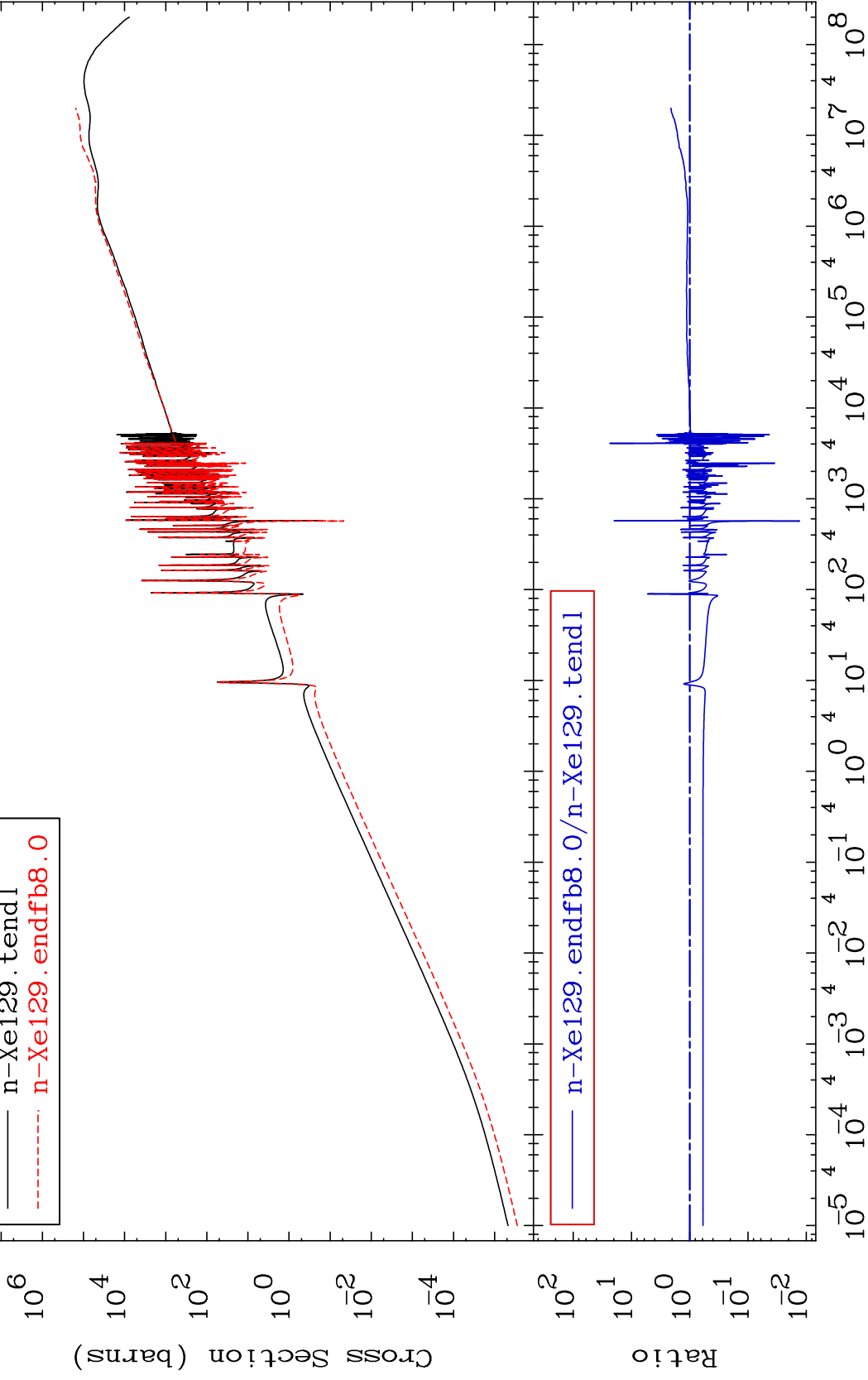
— n-Xe129.tendl  
- - - n-Xe129.endfb8.0

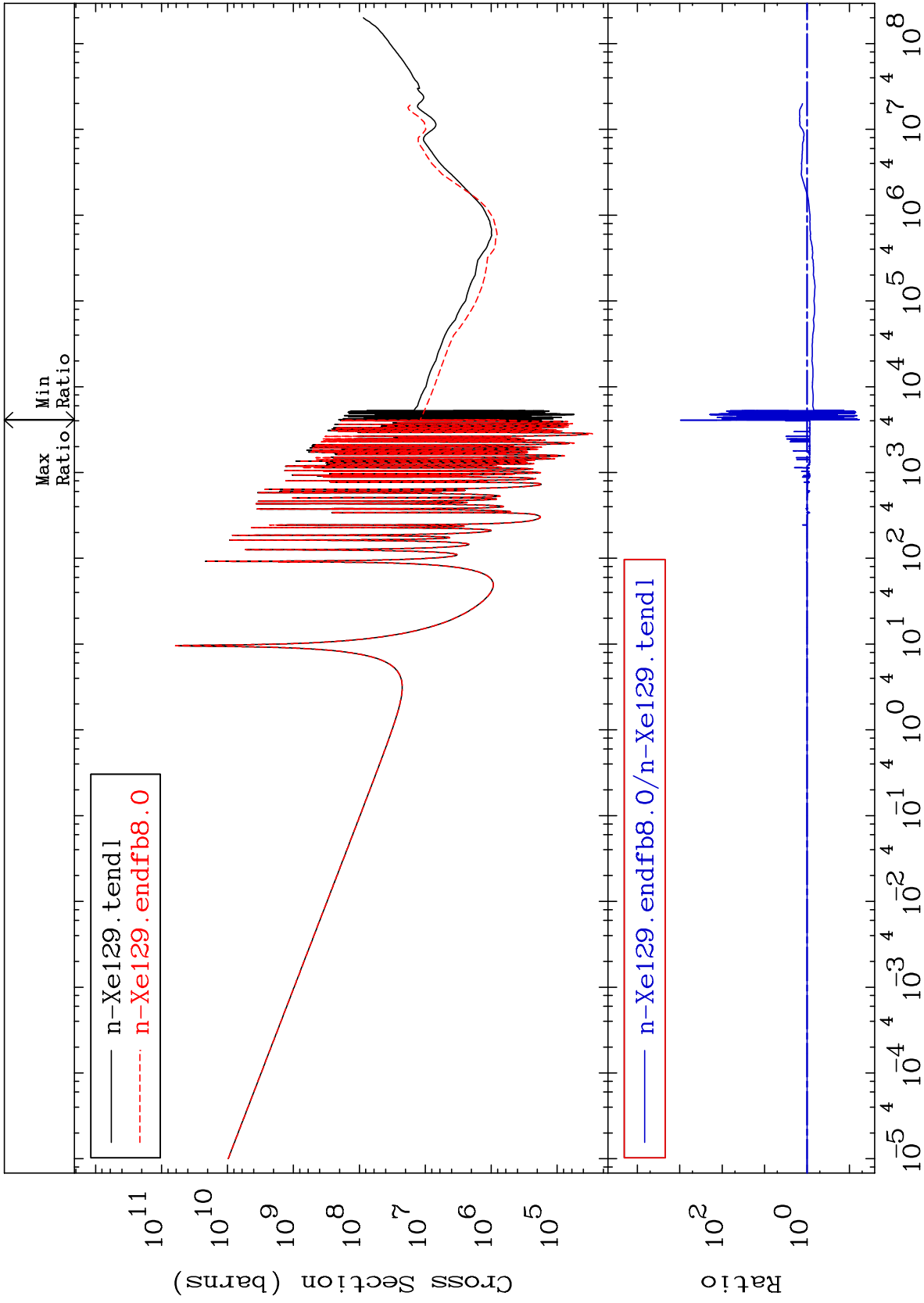
— n-Xe129.endfb8.0/n-Xe129.tendl

MAT 5440

Kerma elastic  
Cross Section

54-Xe-129  
-98.70 To 2223. %

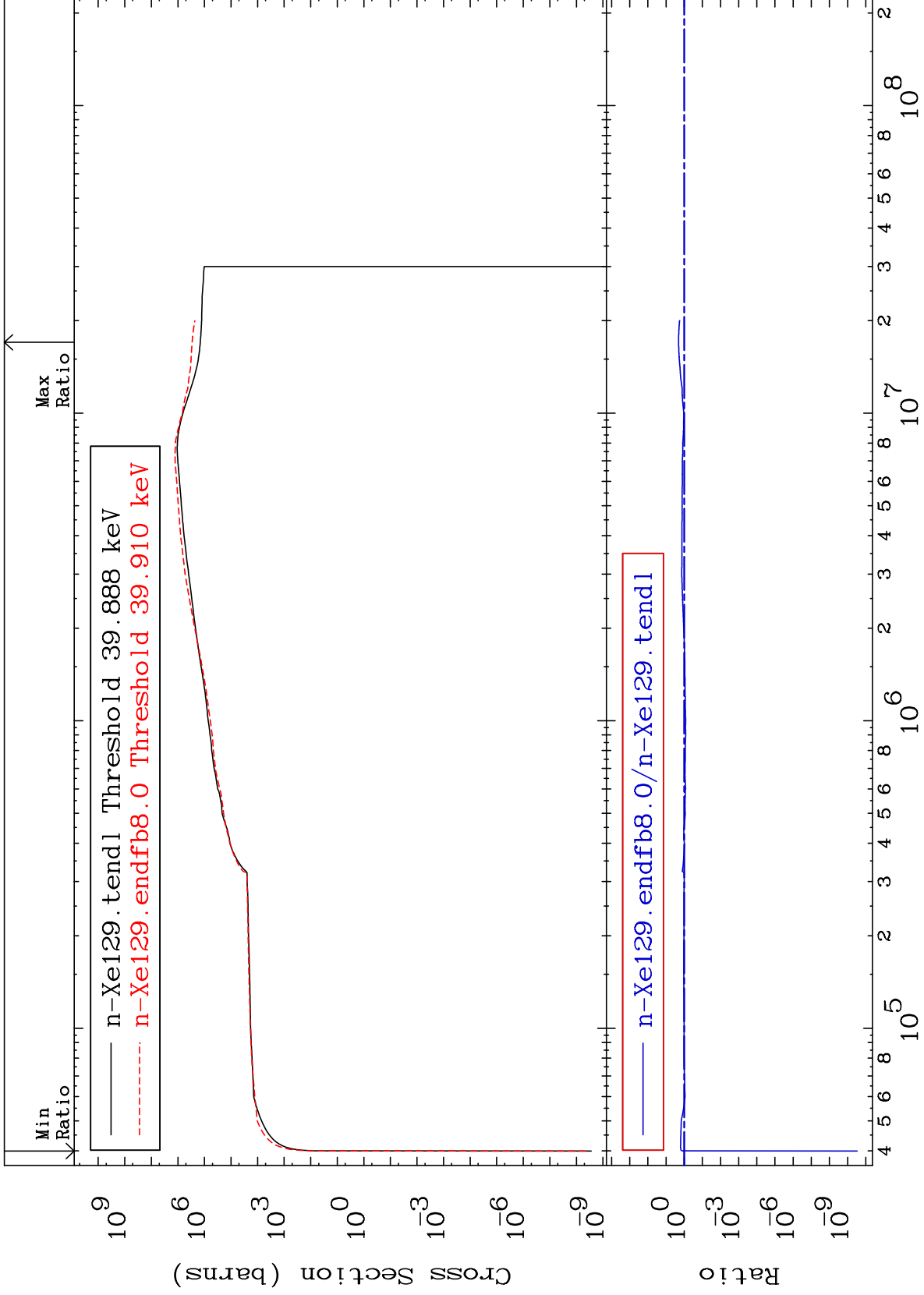




MAT 5440

Kerma inelastic (mt51-91)  
Cross Section

54-Xe-129  
-100.0 To 102.4 %

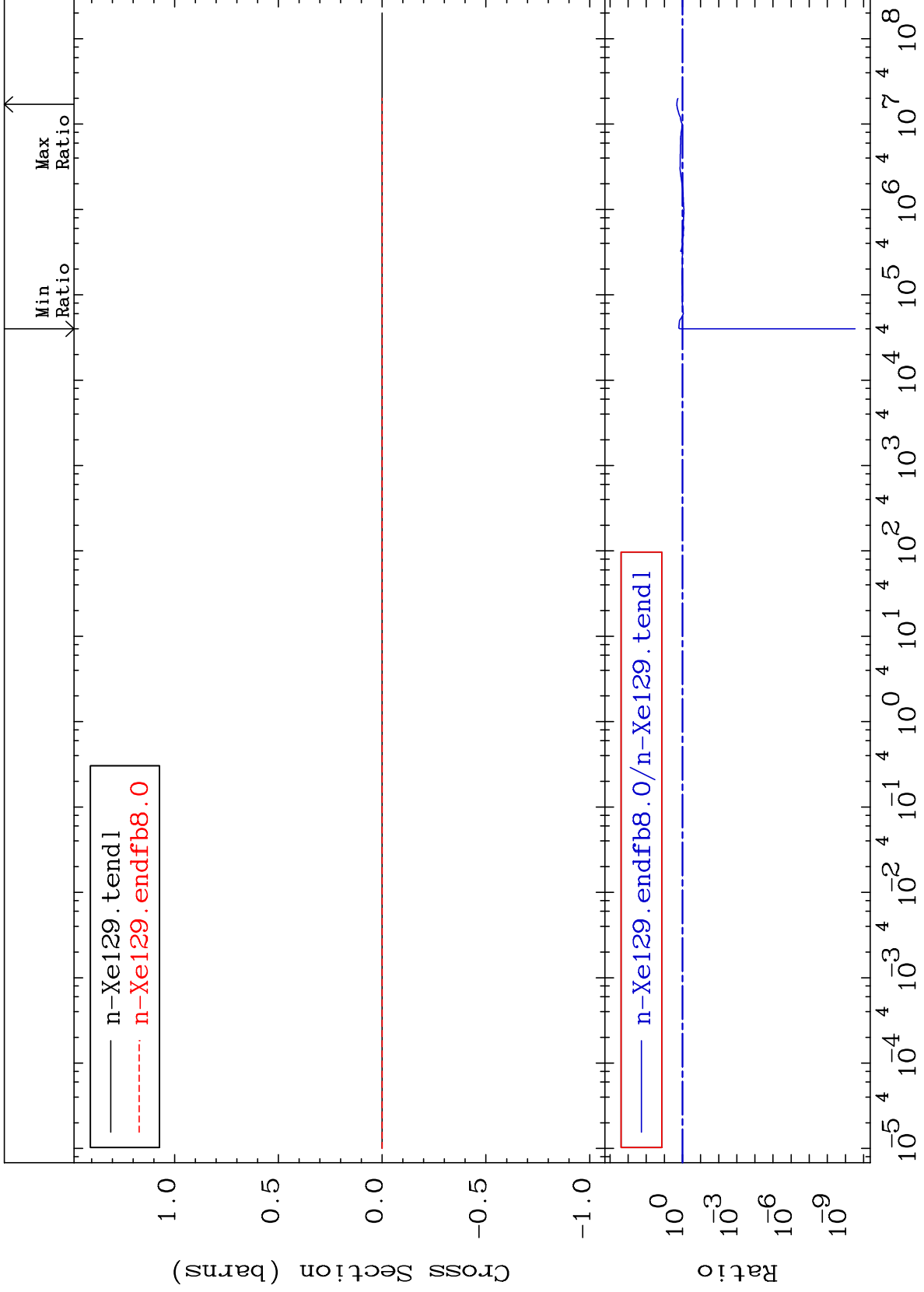




MAT 5440

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

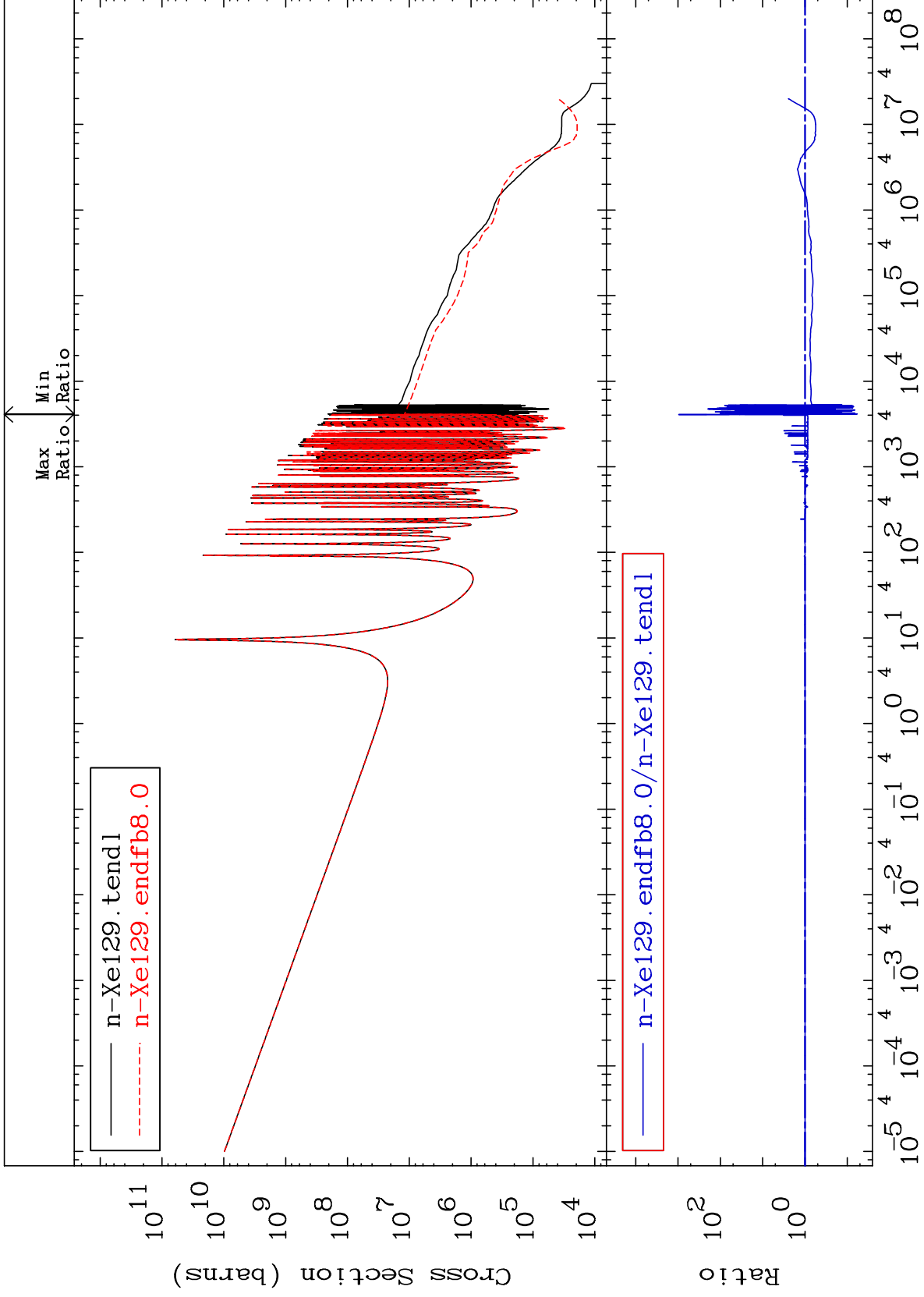
54-Xe-129  
-100.0 To 102.4 %



MAT 5440

Kerma capture (mt102)  
Cross Section

54-Xe-129  
-94.18 To 9999. %



42

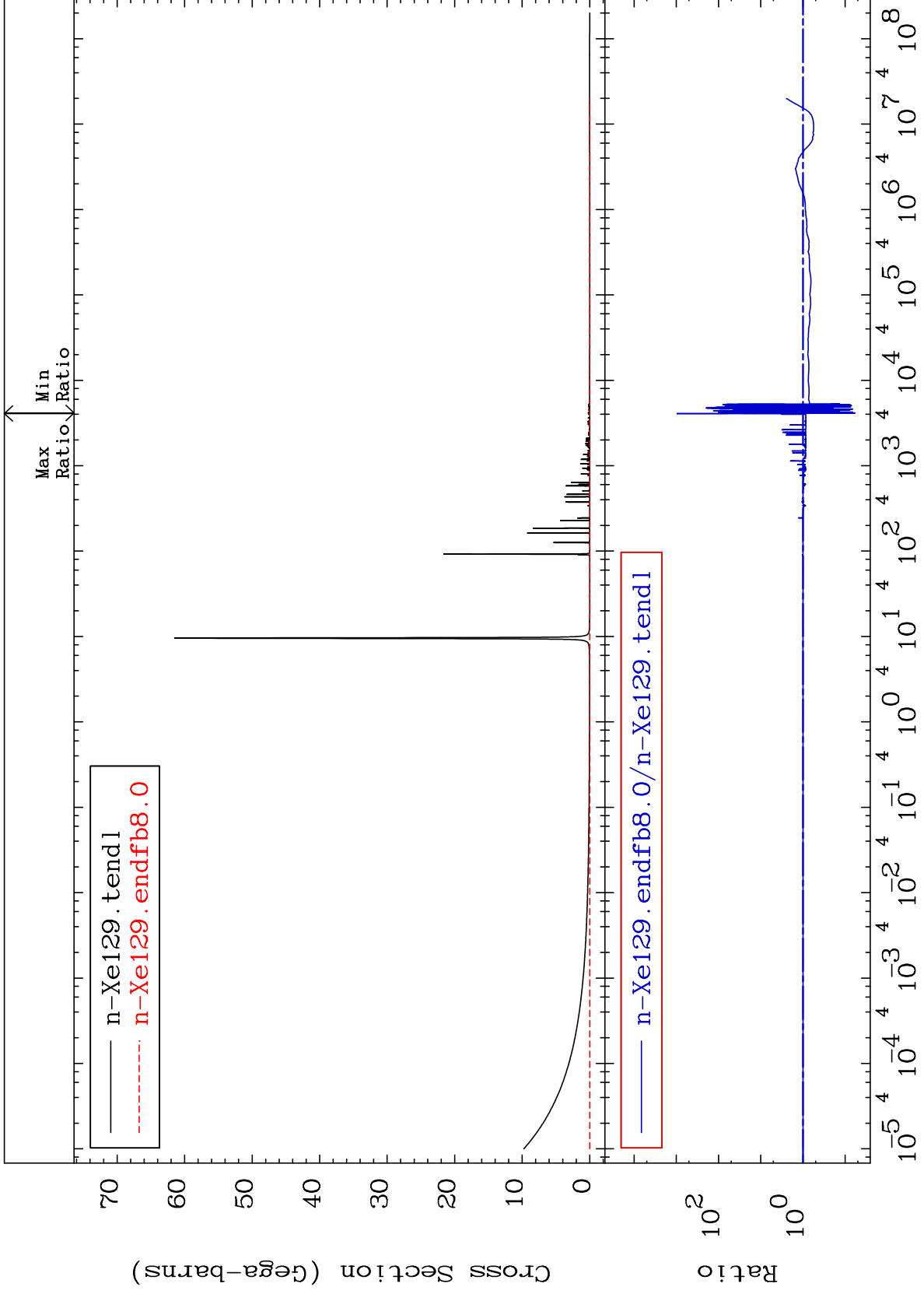
Incident Energy (eV)

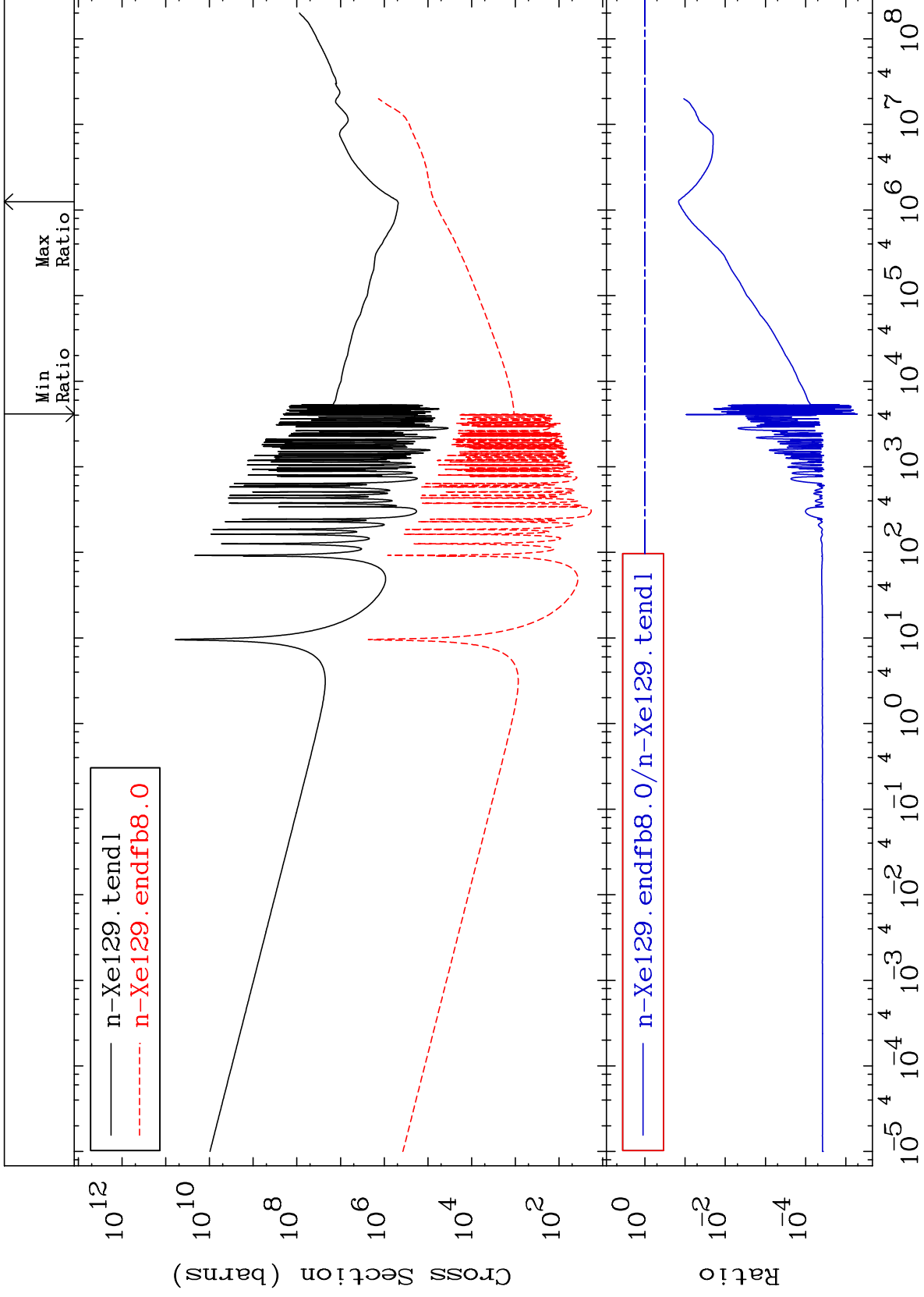
54-Xe-129

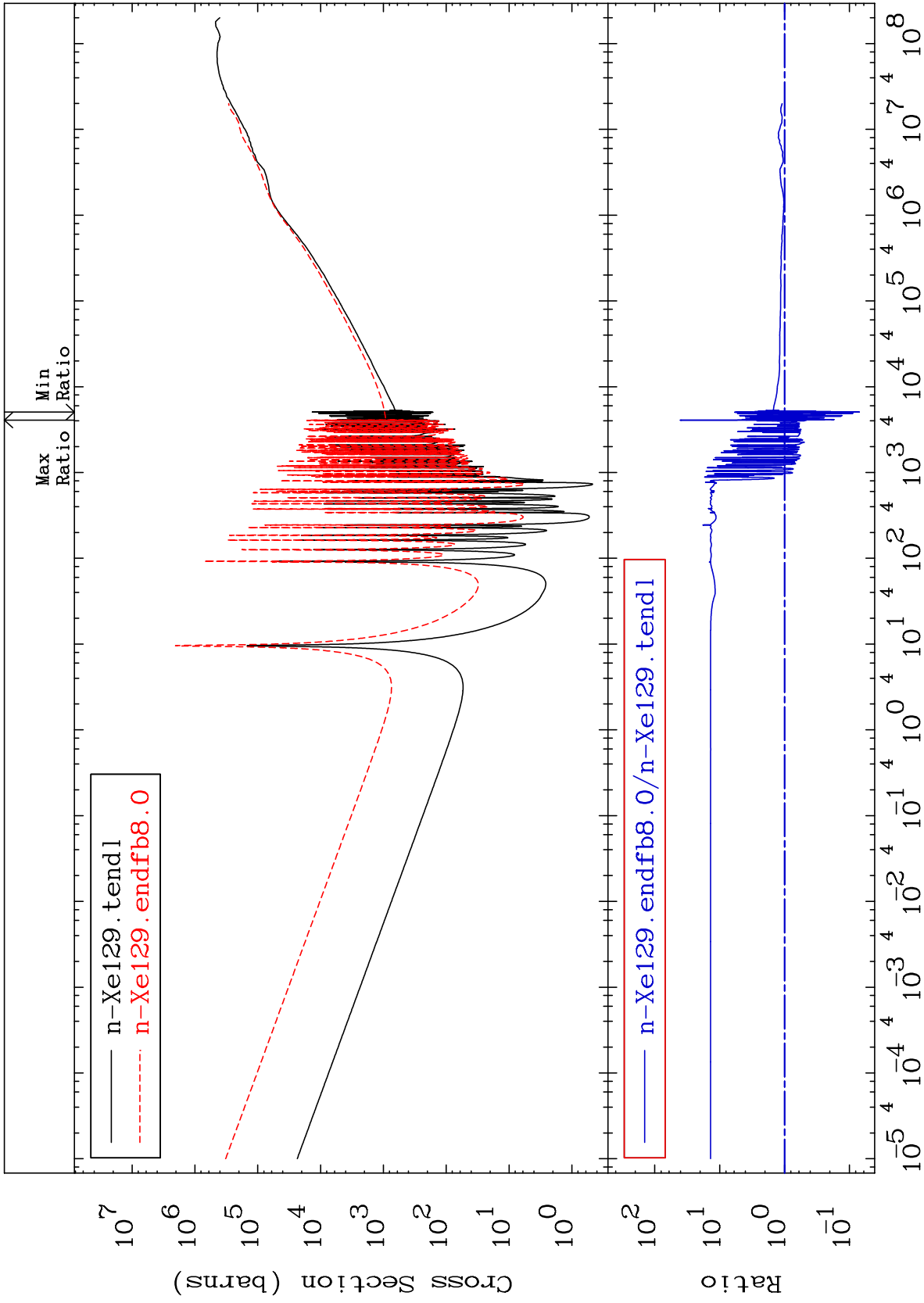
MAT 5440

Total photon (eV-barns)  
Cross Section

54-Xe-129  
-94.18 To 9999. %



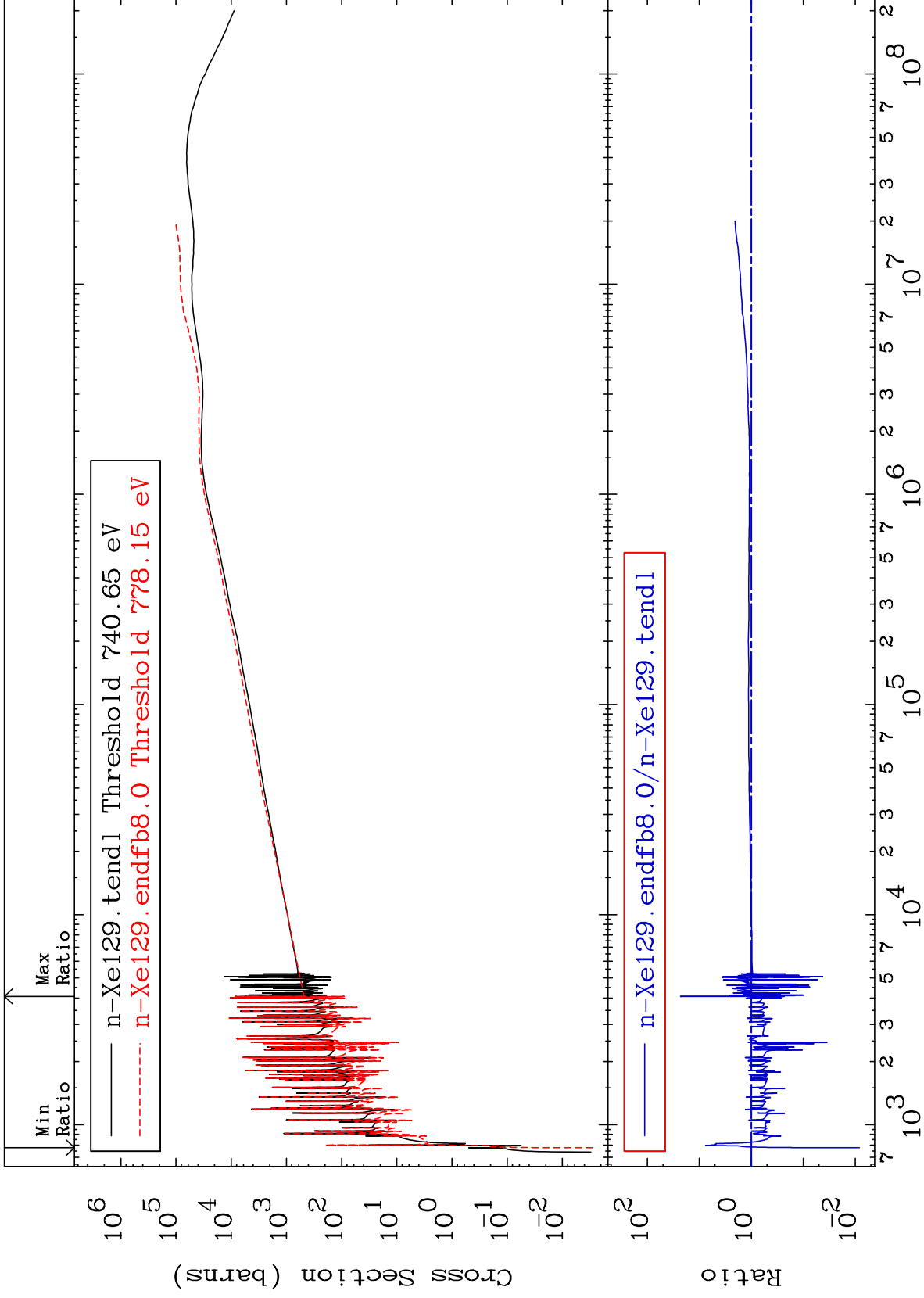




MAT 5440

Dpa elastic (mt2)  
Cross Section

54-Xe-129  
-99.17 To 2218. %



MAT 5440

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-129  
-100.0 To 45.72 %

