

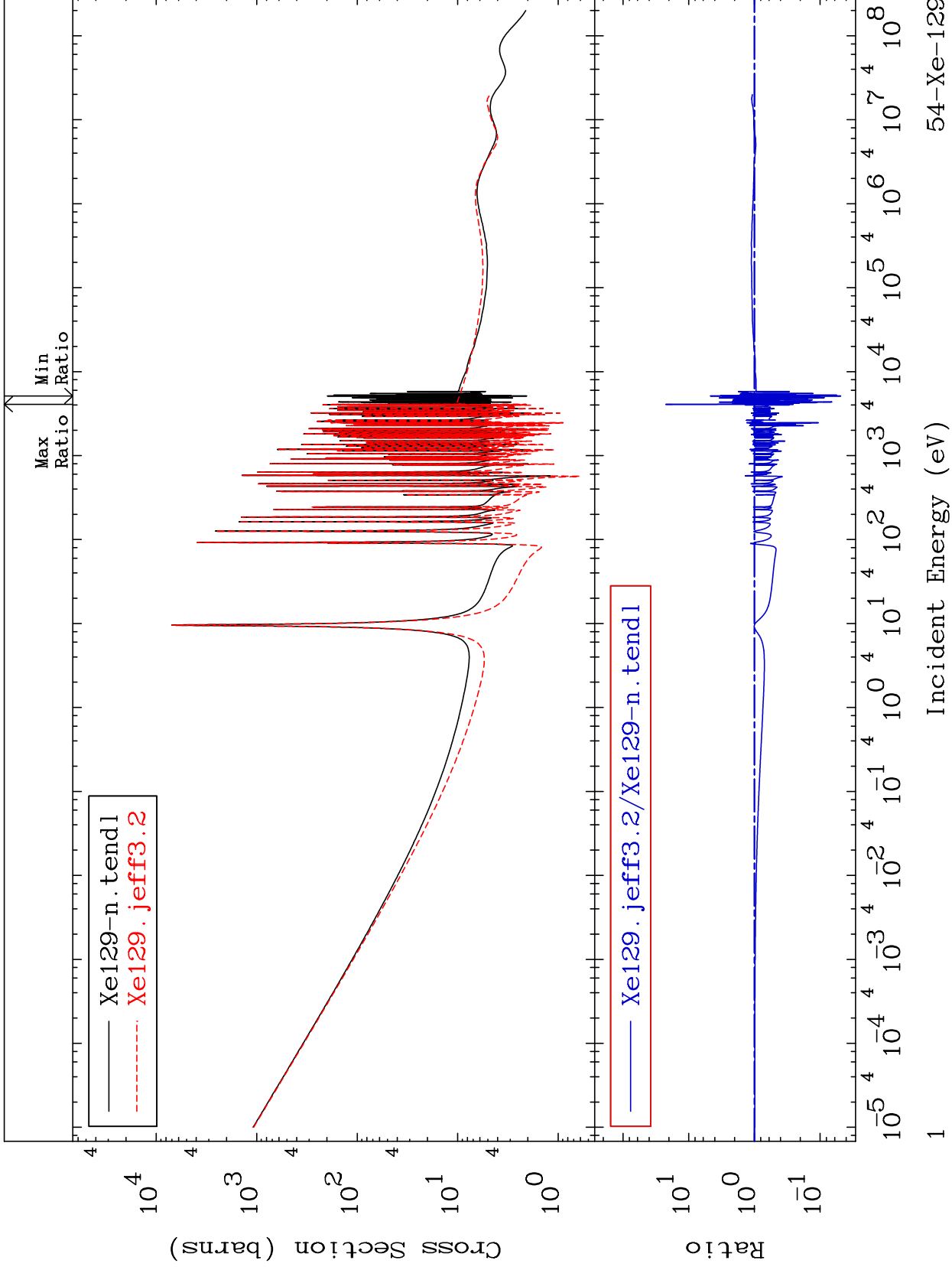
MAT 5440

Total

54-Xe-129

Cross Section

-95.13 To 2154. %



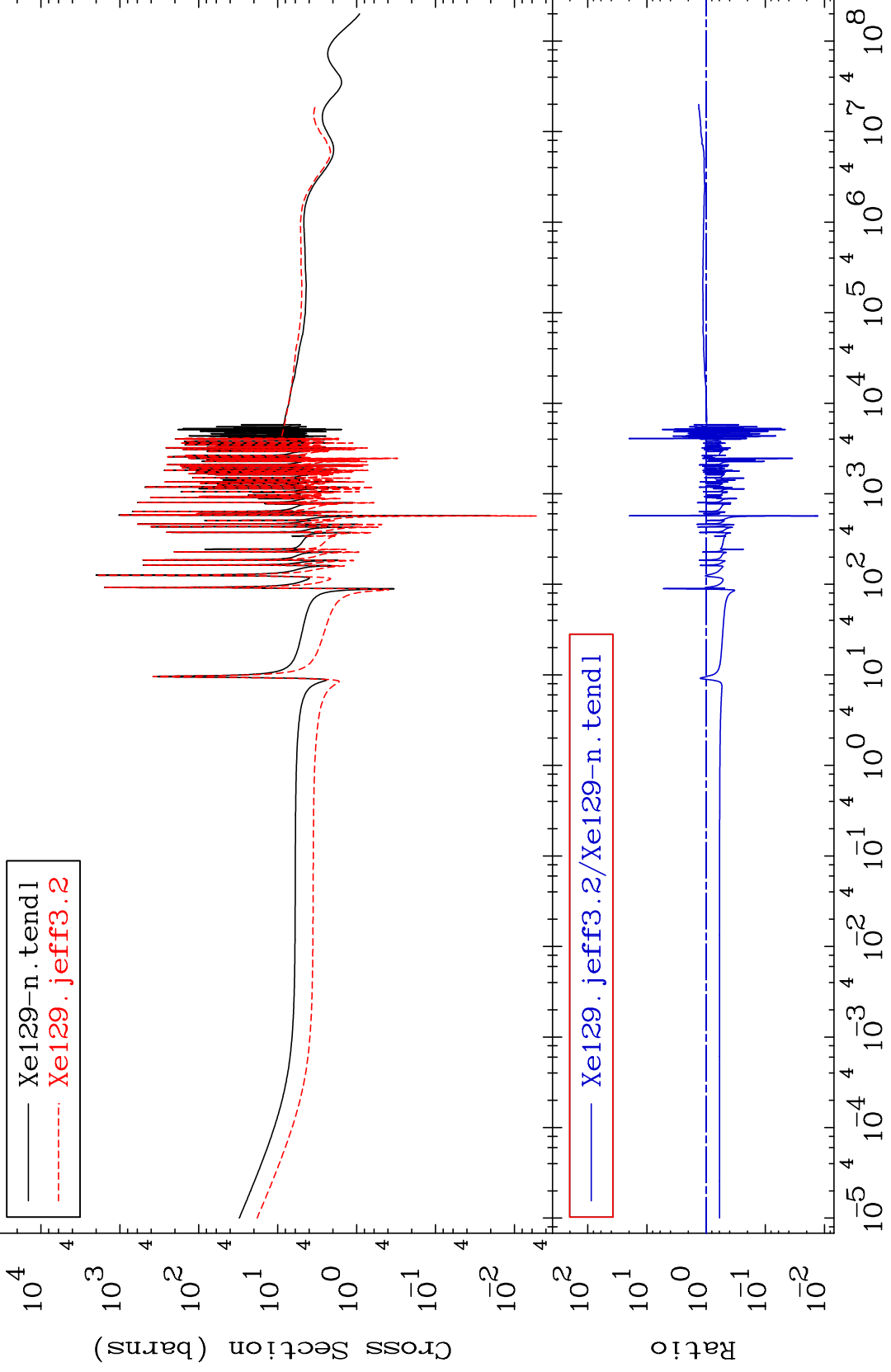
Incident Energy (eV)

54-Xe-129

MAT 5440

Elastic  
Cross Section

54-Xe-129  
-98.71 To 1918. %



2

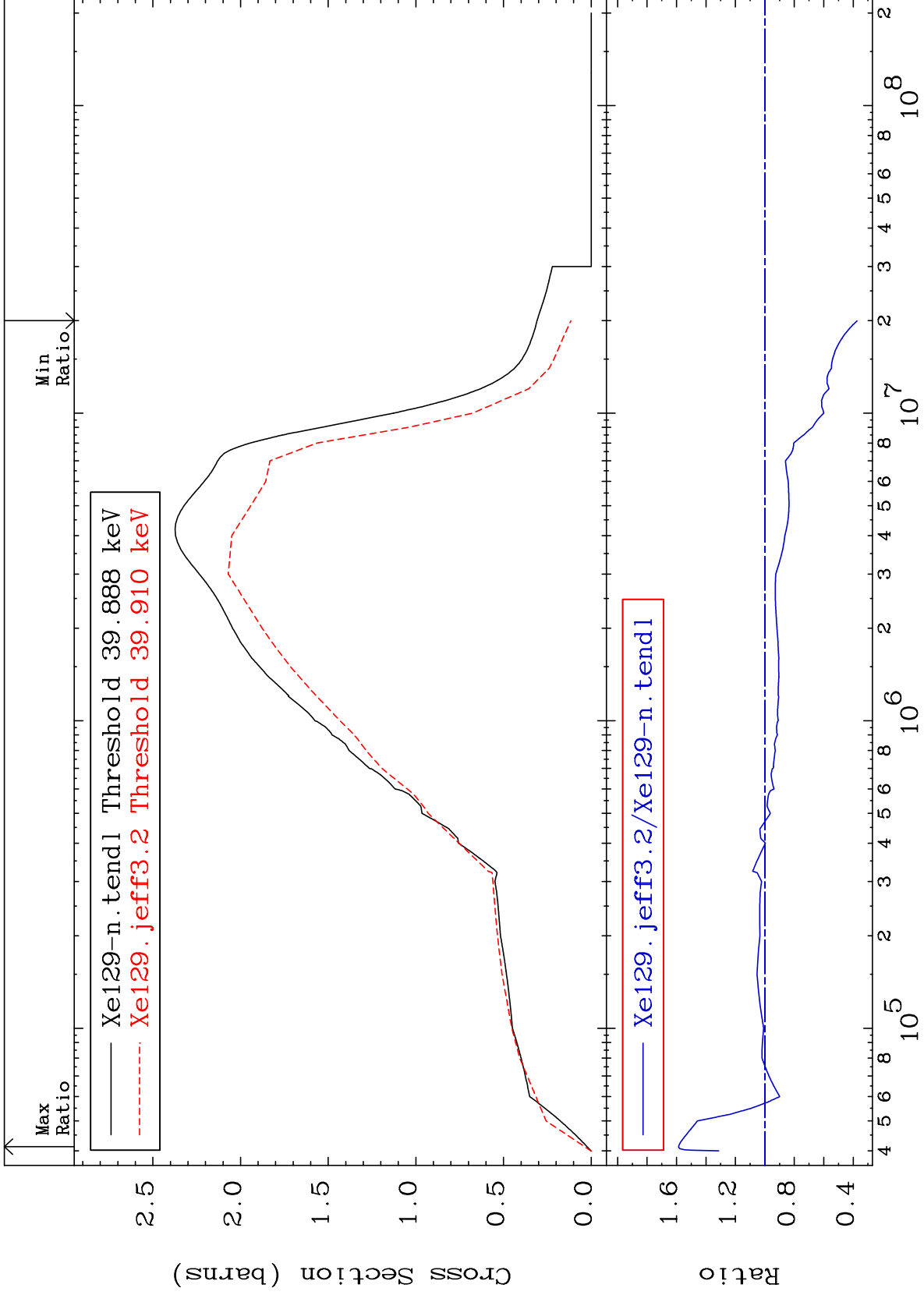
Incident Energy (eV)

54-Xe-129

MAT 5440

Inelastic  
Cross Section

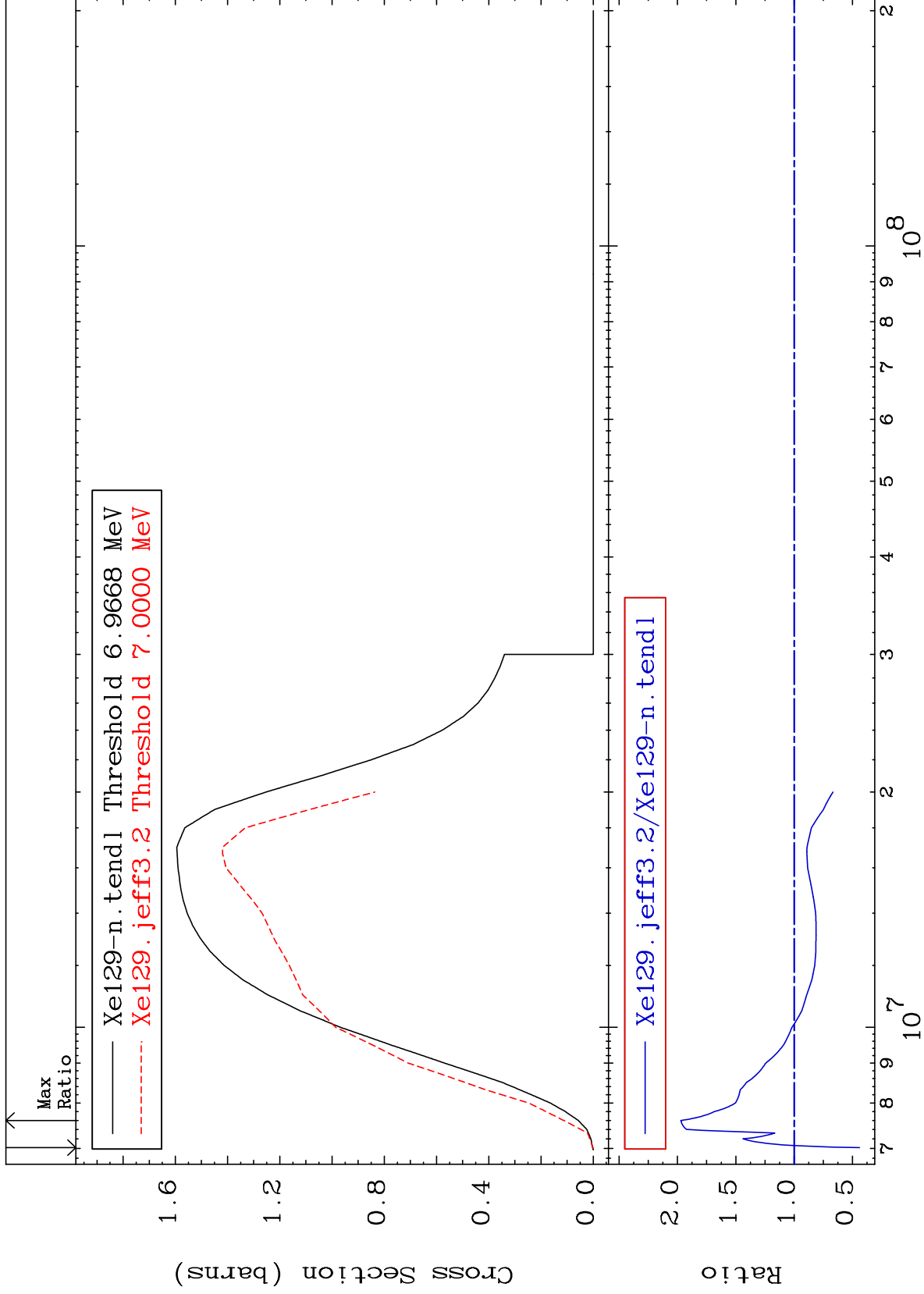
54-Xe-129  
-62.75 To 58.56 %



MAT 5440

(n,2n)  
Cross Section

54-Xe-129  
-56.07 To 97.17 %



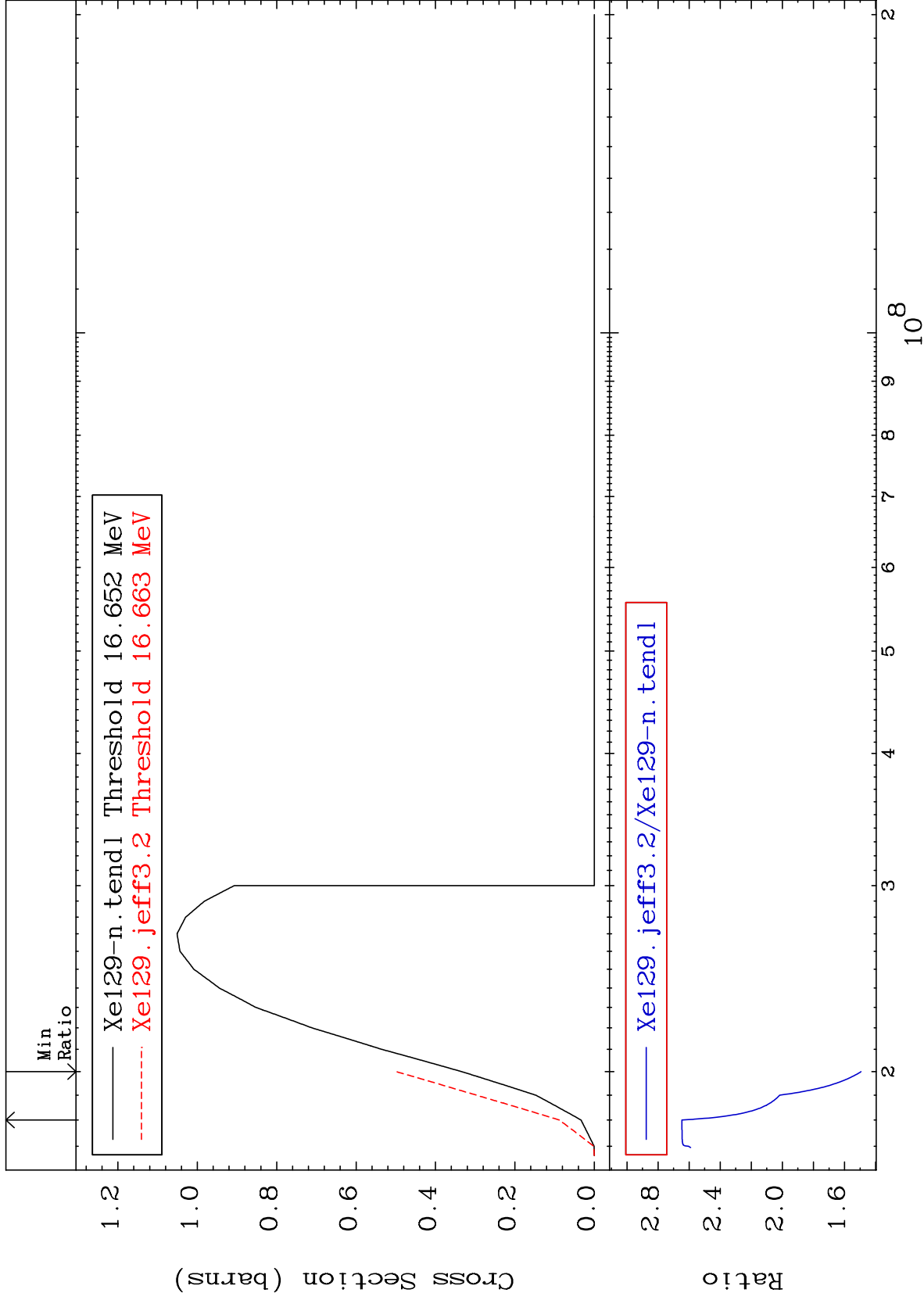
MAT 5440

(n,3n)

54-Xe-129

Cross Section

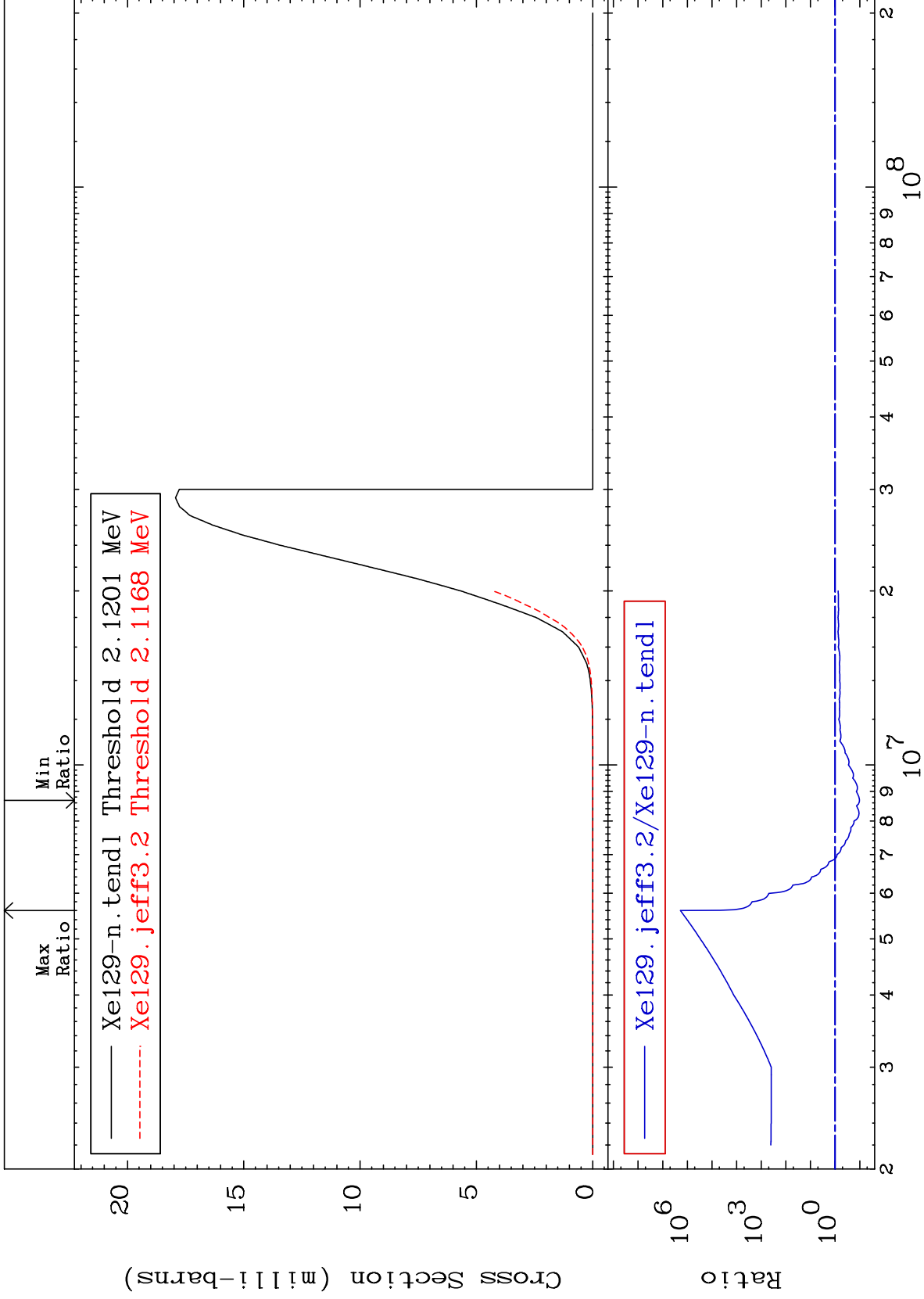
49.40 To 164.6 %



MAT 5440

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

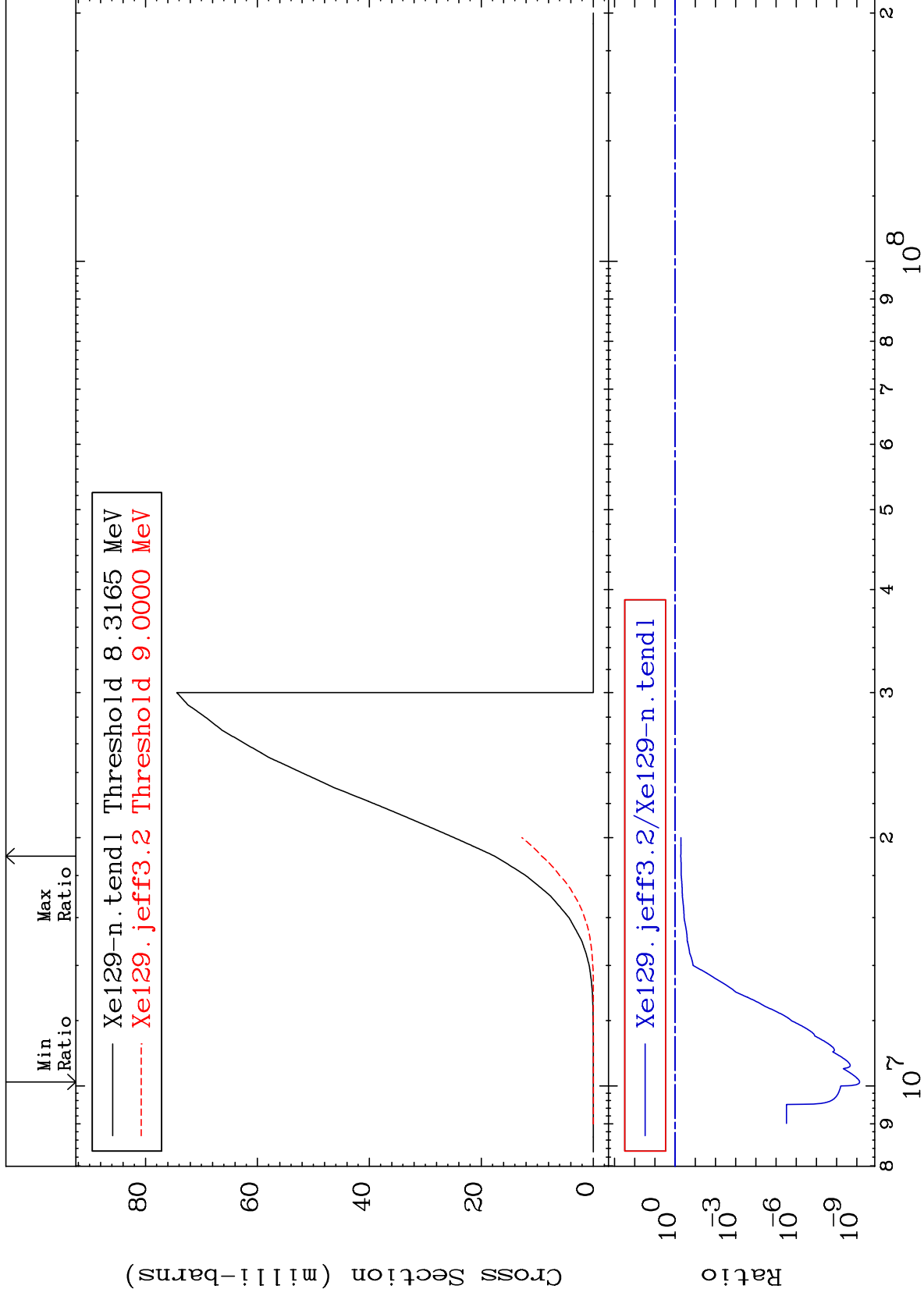
54-Xe-129  
-89.68 To 9999. %



MAT 5440

(n,n') p  
Cross Section

54-Xe-129  
-100.0 To -47.74%



7

Incident Energy (eV)

54-Xe-129

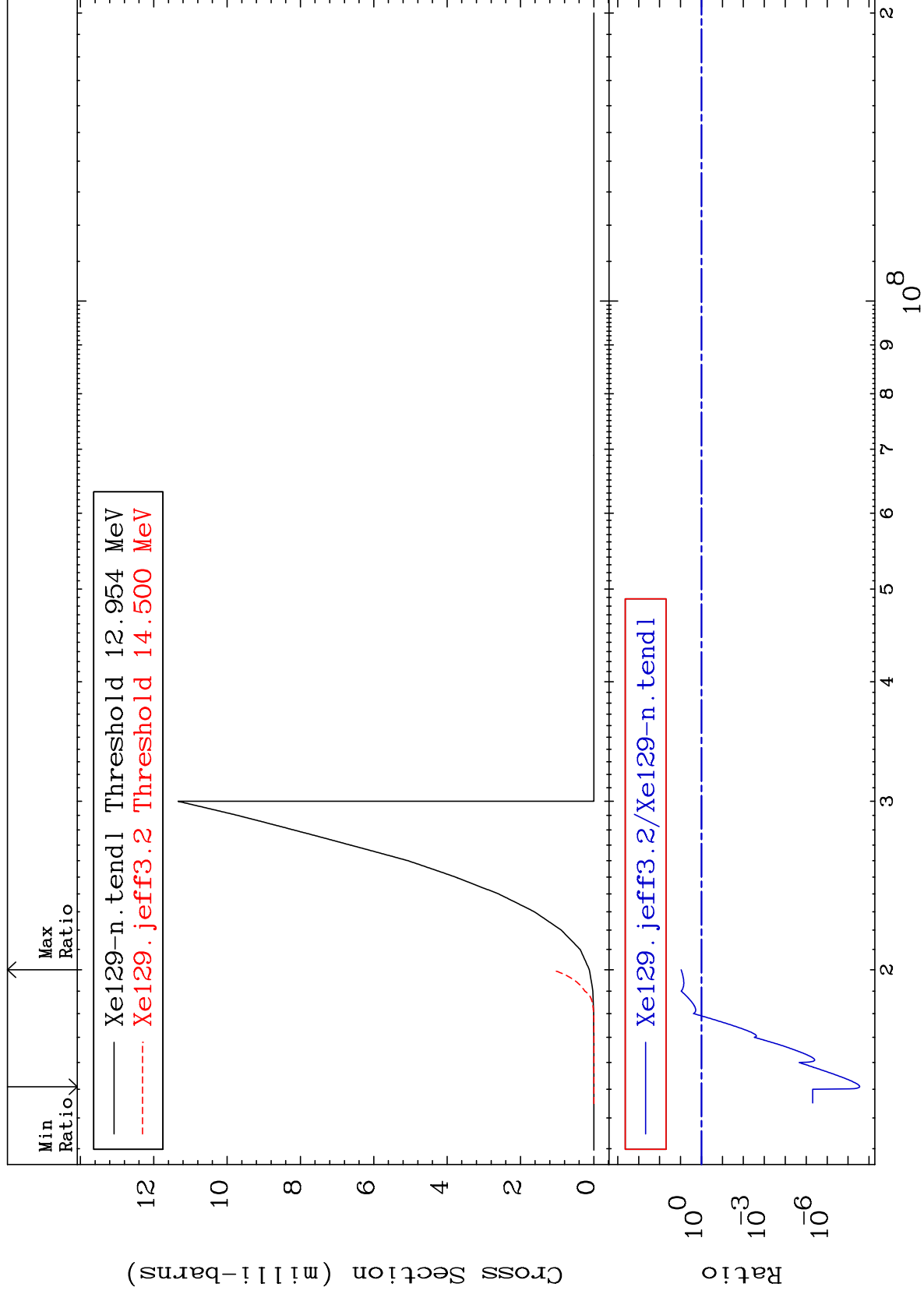
MAT 5440

(n,n') d

54-Xe-129

Cross Section

-100.0 To 831.8 %

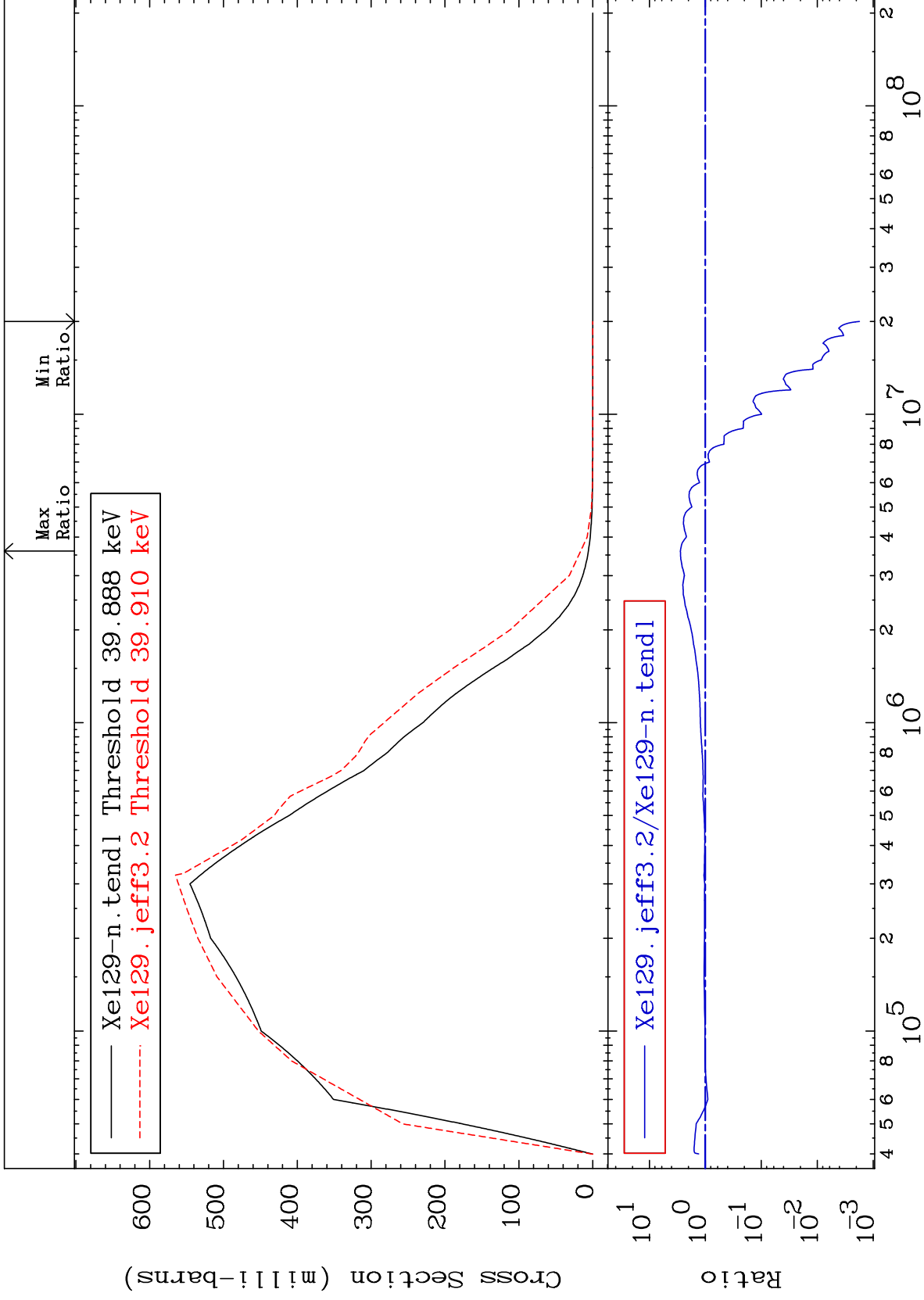




MAT 5440

39.58 keV (n,n') Level  
Cross Section

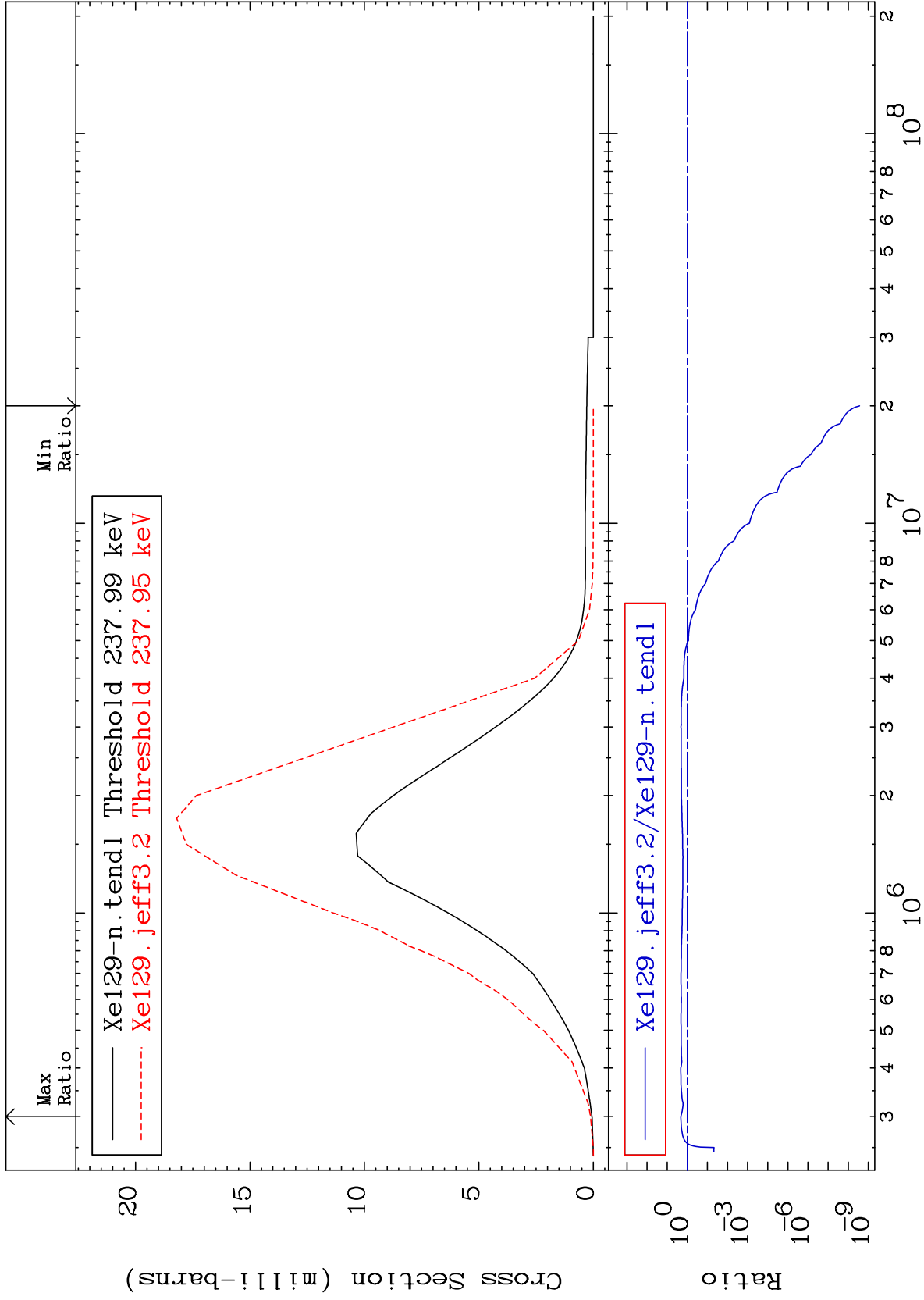
54-Xe-129  
-99.82 To 179.4 %



MAT 5440

236.1 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 111.1 %



10

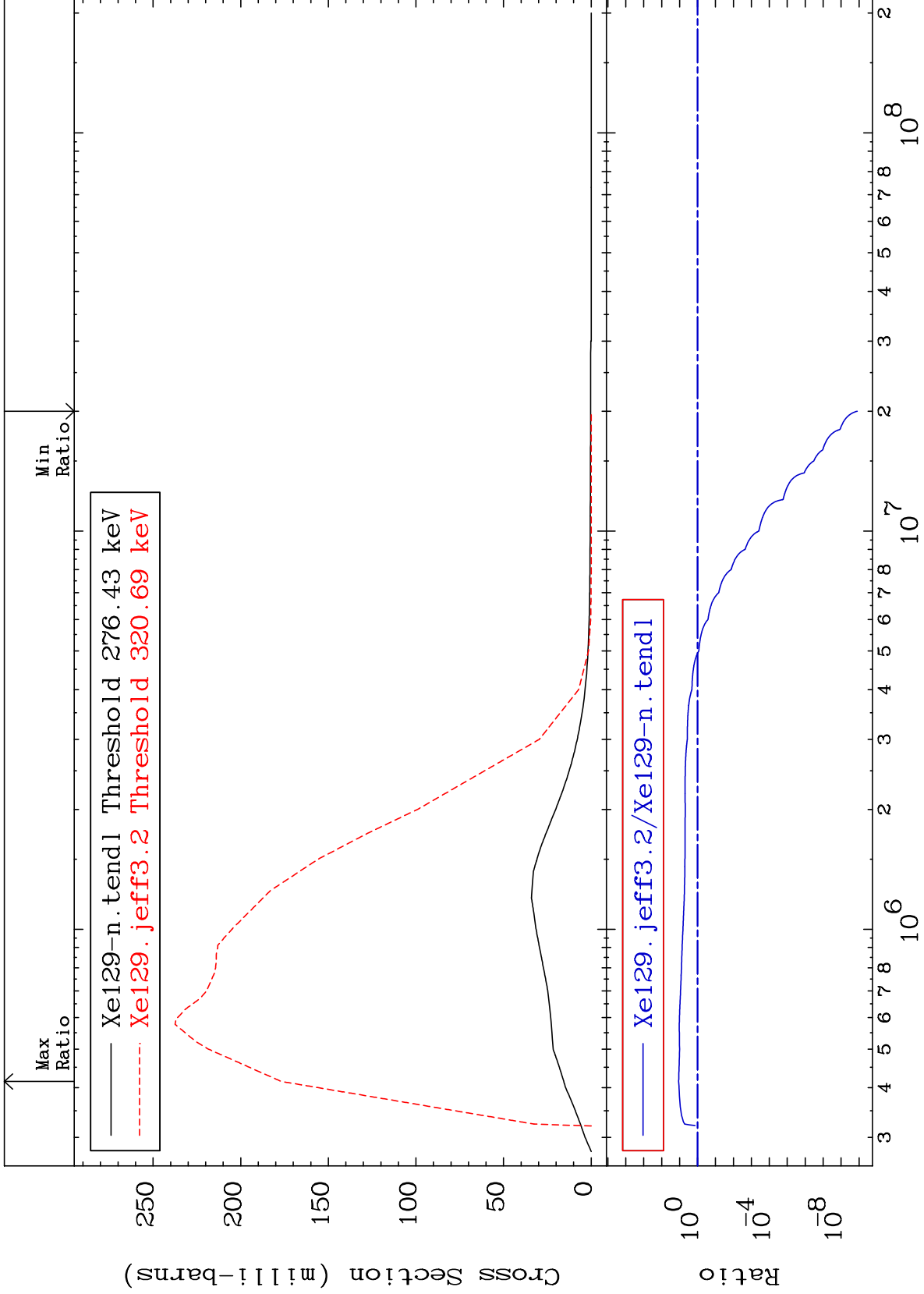
Incident Energy (eV)

54-Xe-129

MAT 5440

274.3 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 1030. %



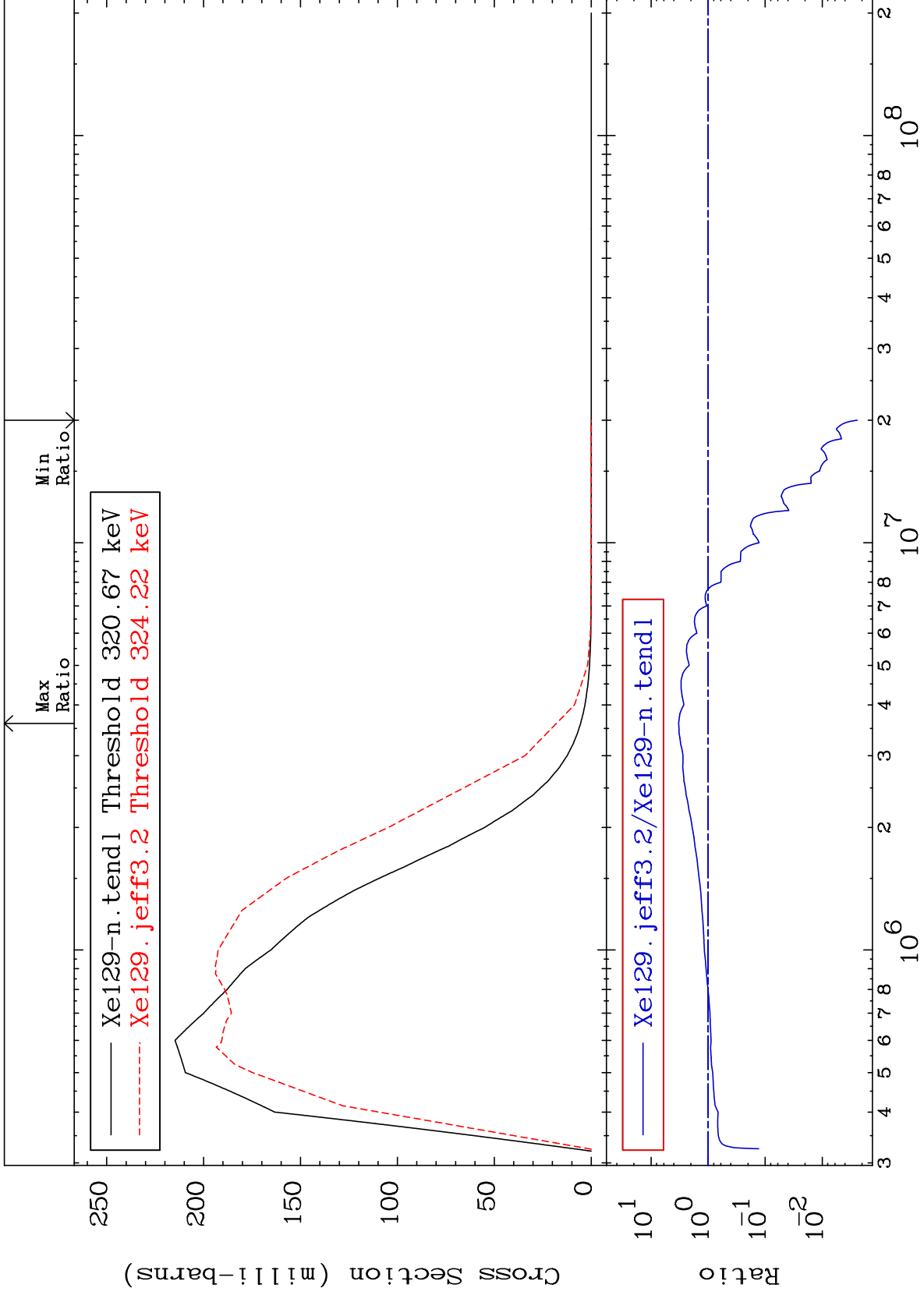
54-Xe-129

11

MAT 5440

318.2 keV (n,n') Level  
Cross Section

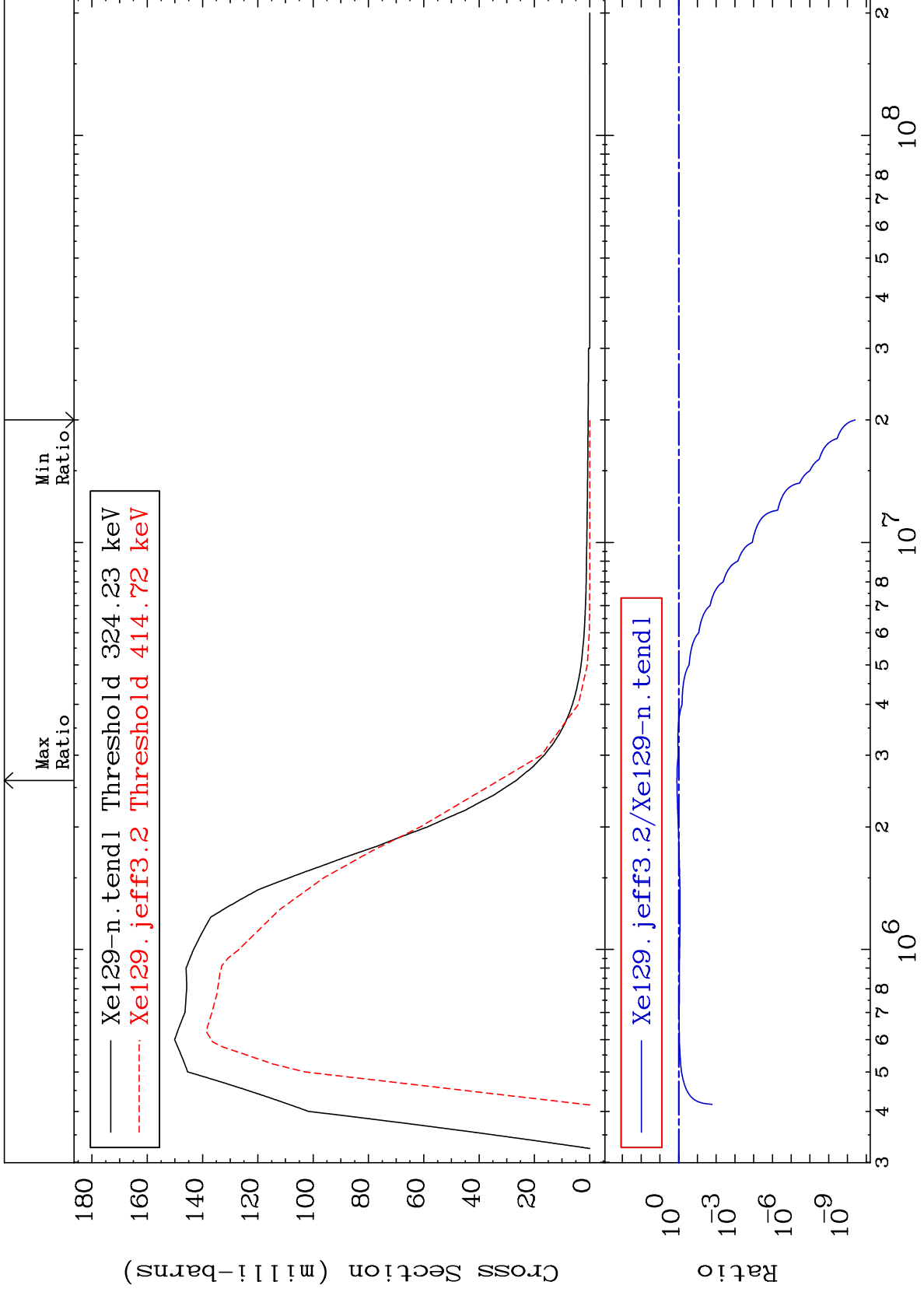
54-Xe-129  
-99.76 To 228.8 %



MAT 5440

321.7 keV (n,n') Level  
Cross Section

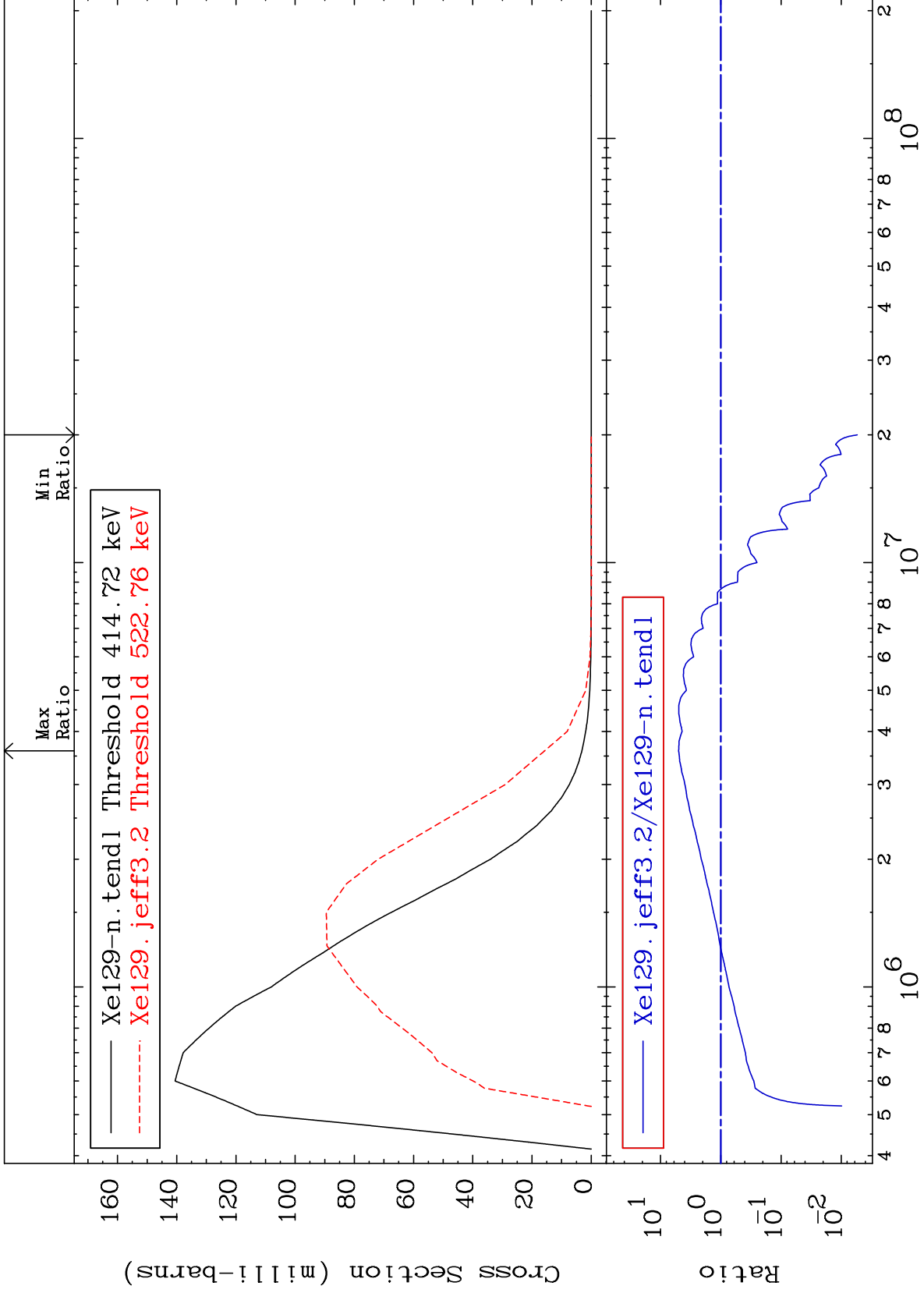
54-Xe-129  
-100.0 To 23.80 %



MAT 5440

411.5 keV (n,n') Level  
Cross Section

54-Xe-129  
-99.46 To 401.2 %



14

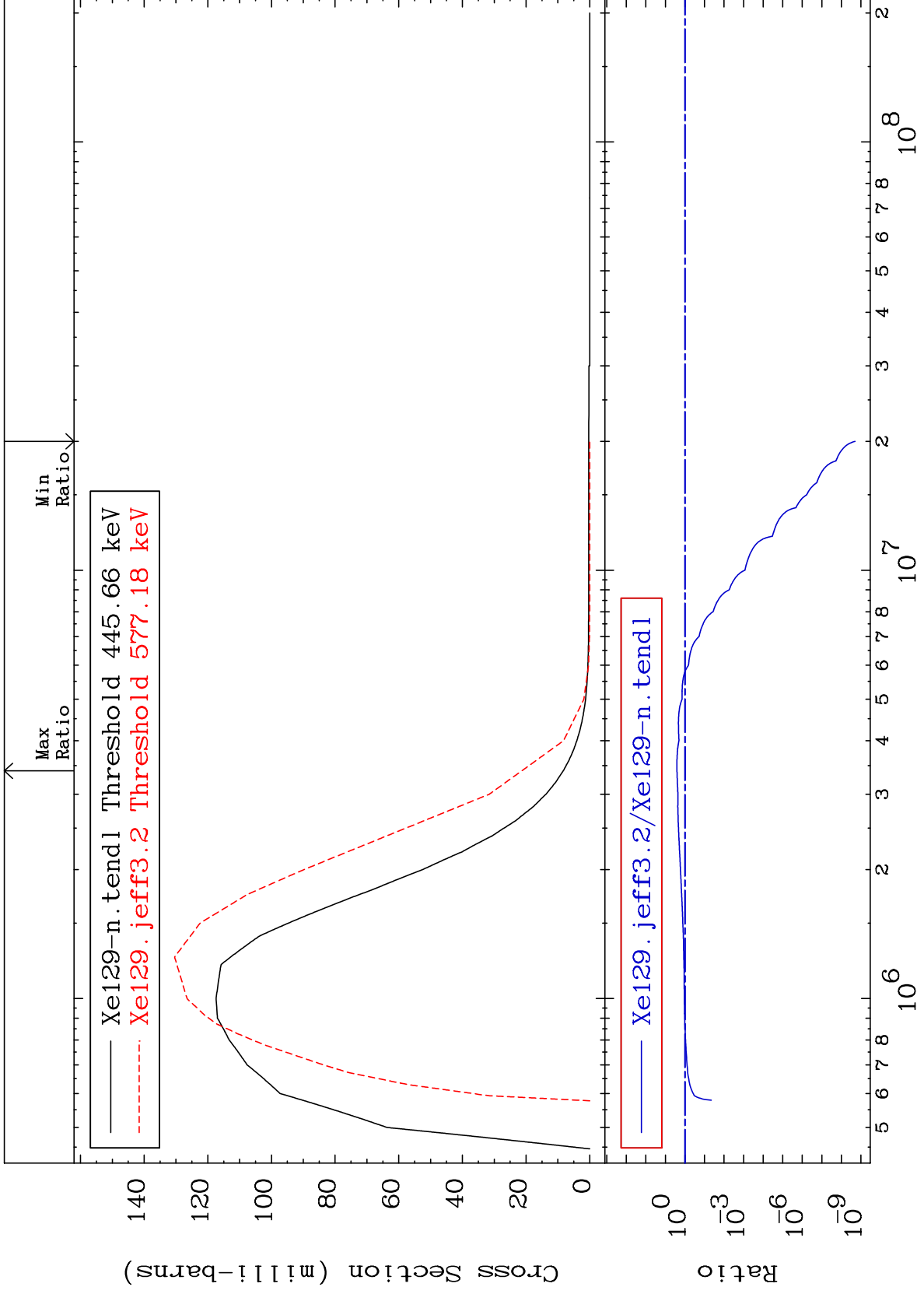
Incident Energy (eV)

54-Xe-129

MAT 5440

442.2 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 157.6 %



15

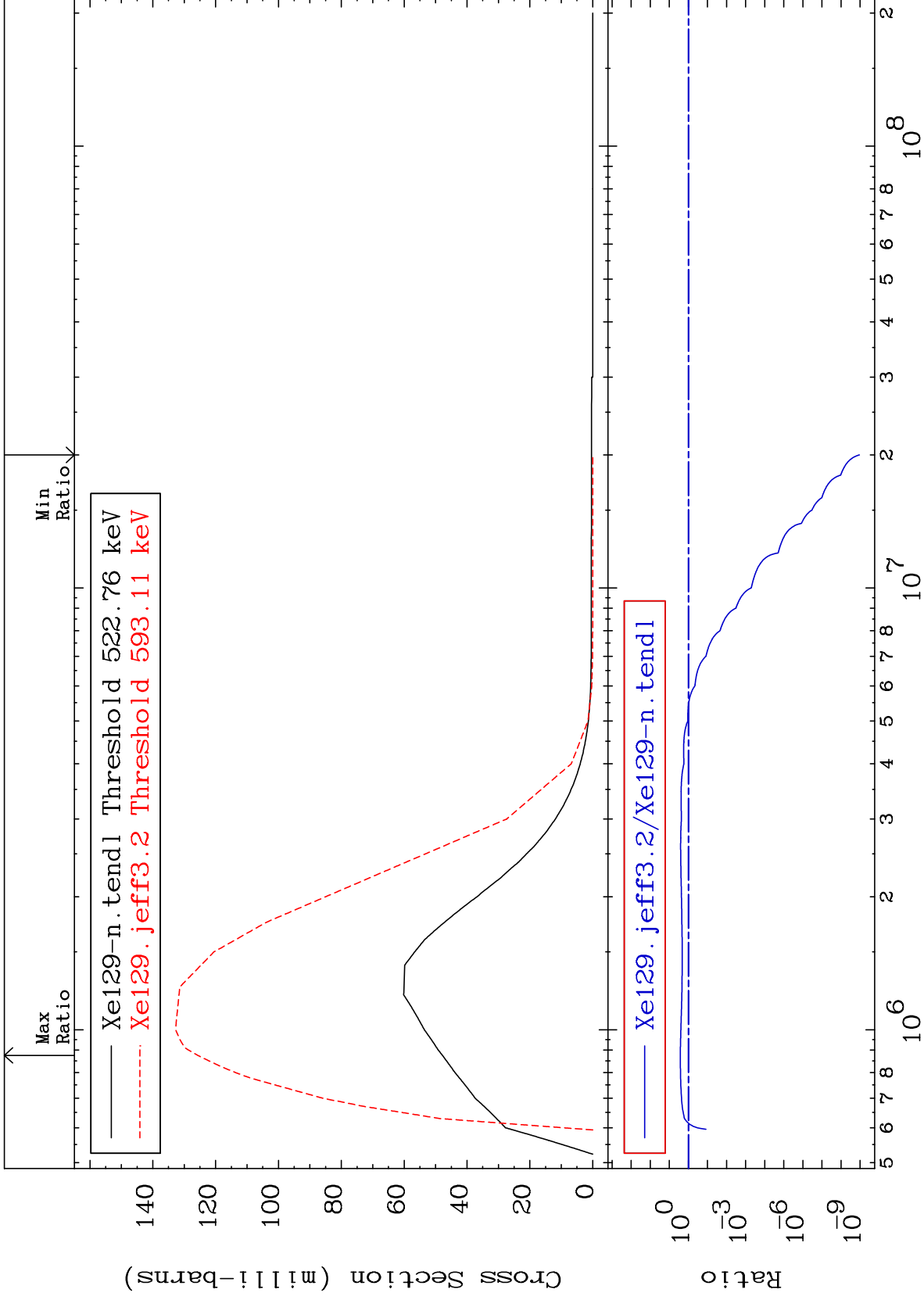
Incident Energy (eV)

54-Xe-129

MAT 5440

518.7 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 162.8 %



16

Incident Energy (eV)

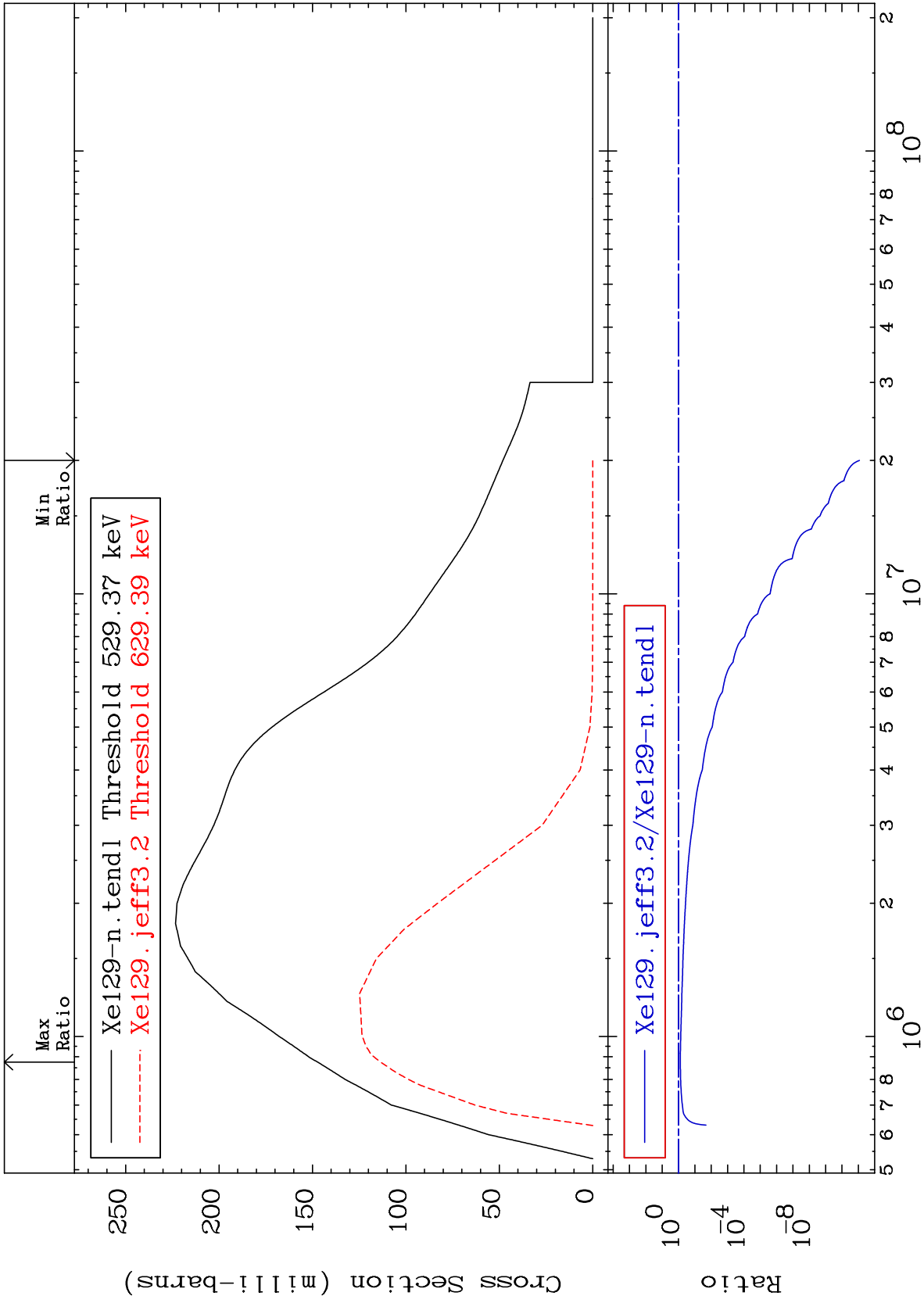
54-Xe-129



MAT 5440

525.3 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To -22.88%



17

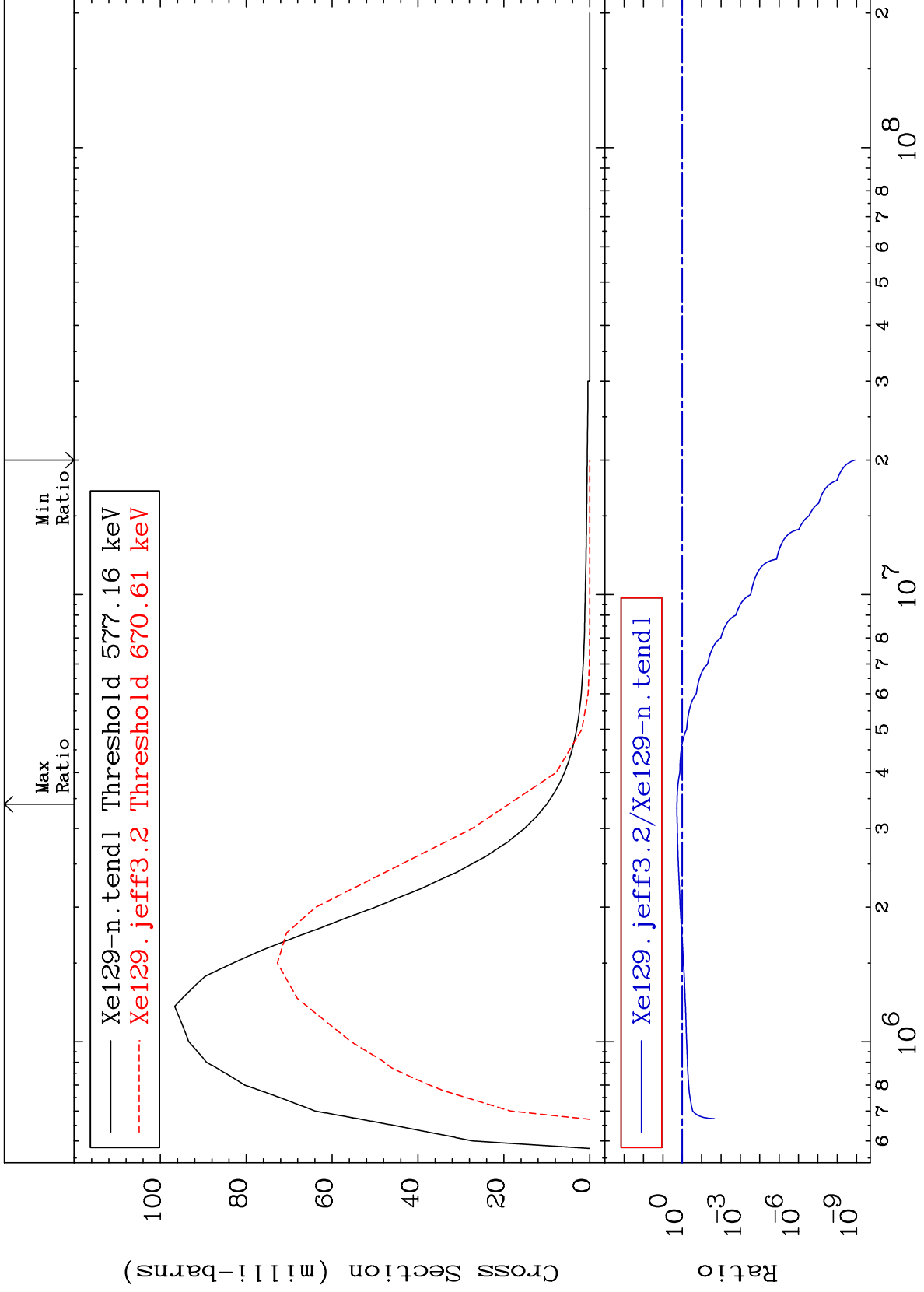
Incident Energy (eV)

54-Xe-129

MAT 5440

572.7 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 88.54 %



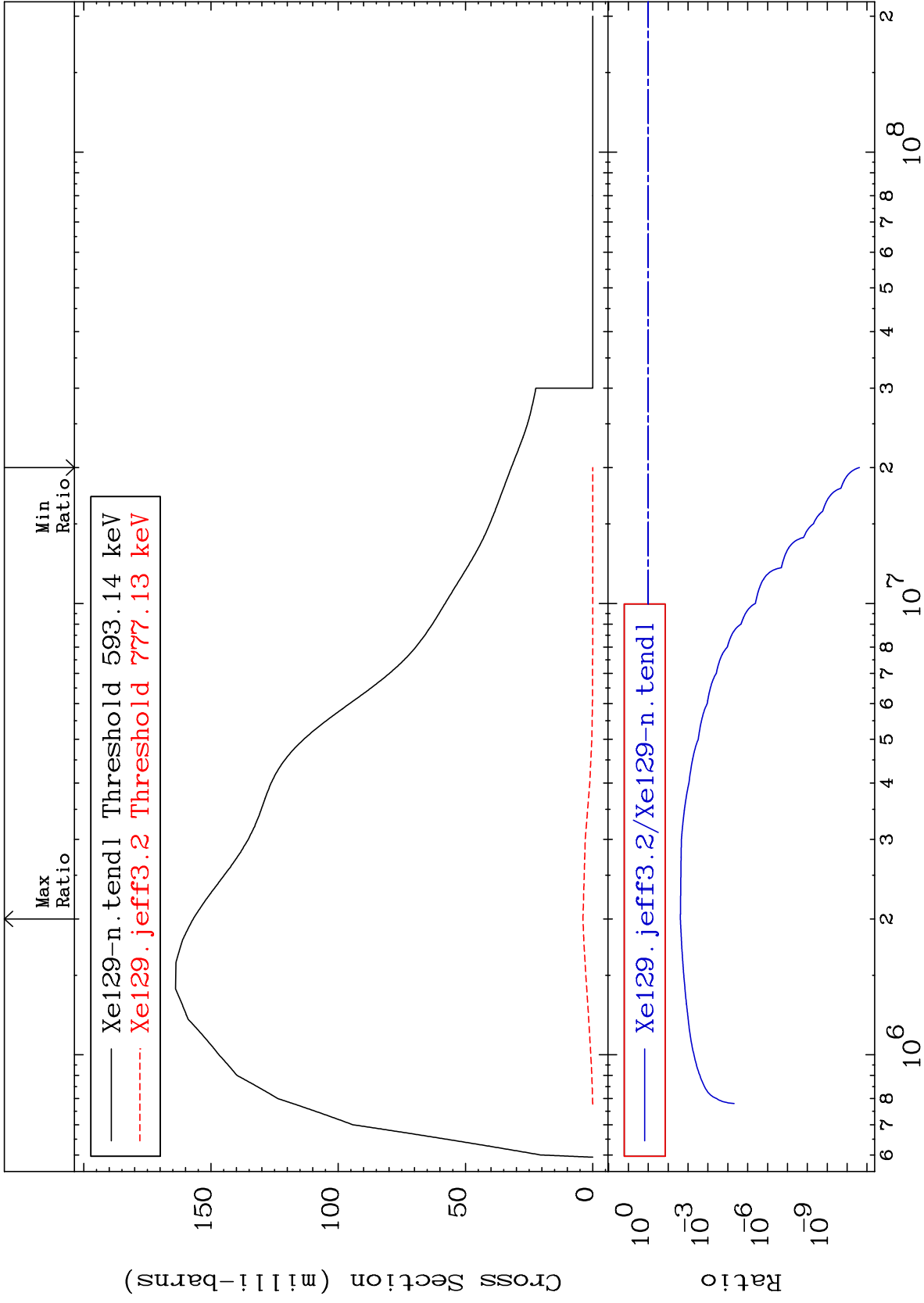
MAT 5440

588.5 keV (n,n') Level

54-Xe-129

-100.0 To -97.56%

Cross Section



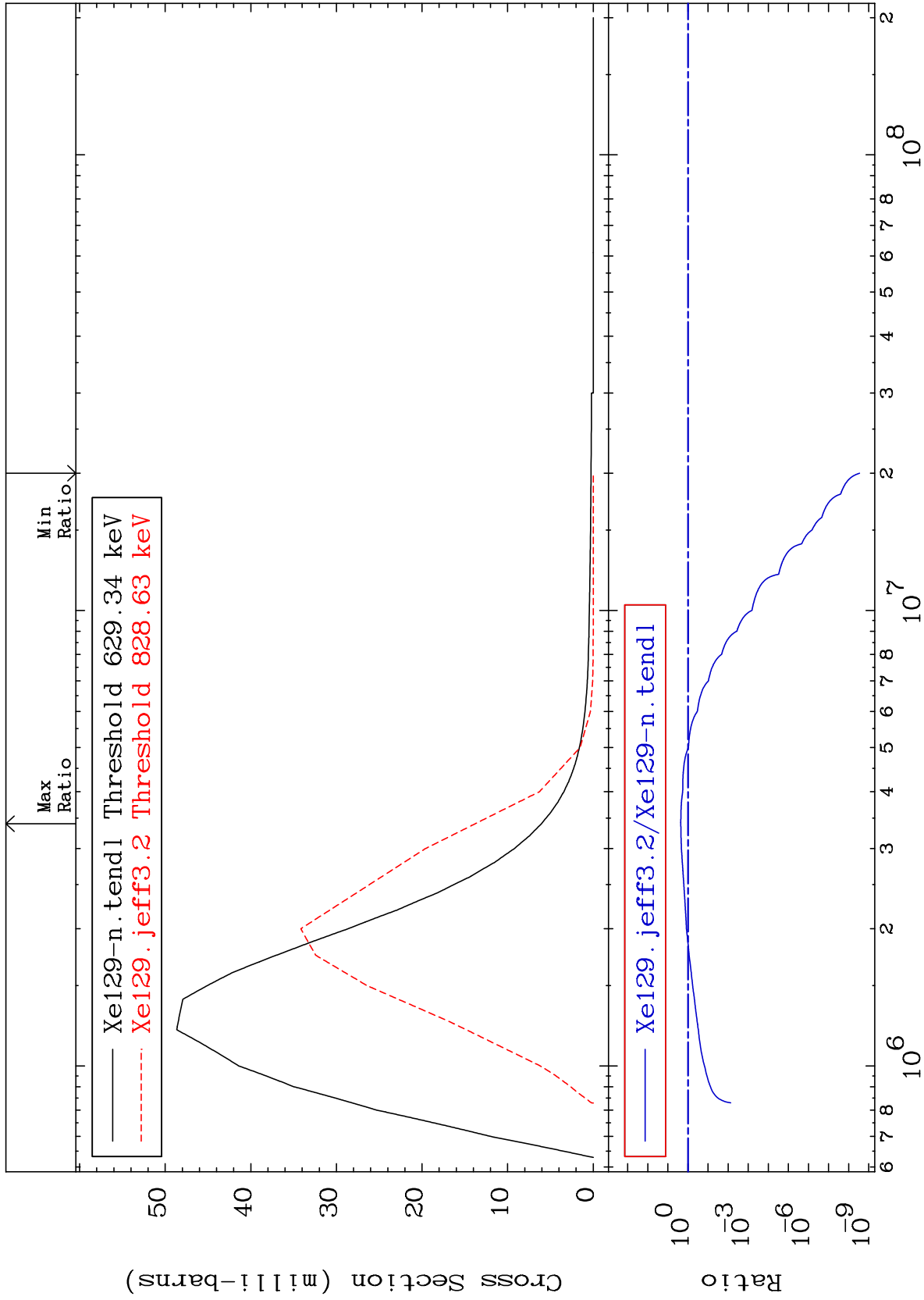
MAT 5440

624.4 keV (n,n') Level

54-Xe-129

-100.0 To 127.9 %

Cross Section



20

Incident Energy (eV)

54-Xe-129

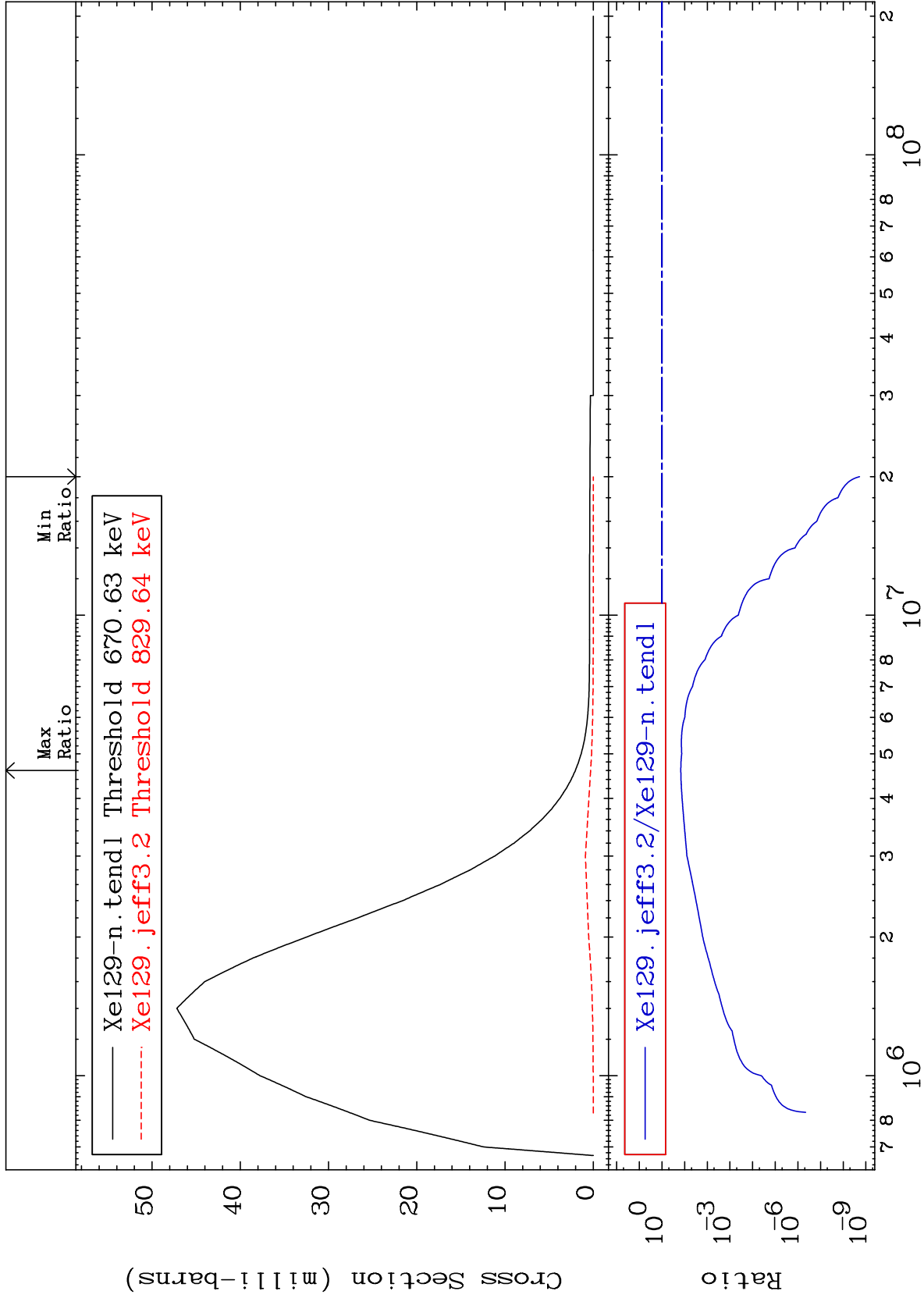
MAT 5440

665.4 keV (n,n') Level

54-Xe-129

-100.0 To -85.18%

Cross Section



21

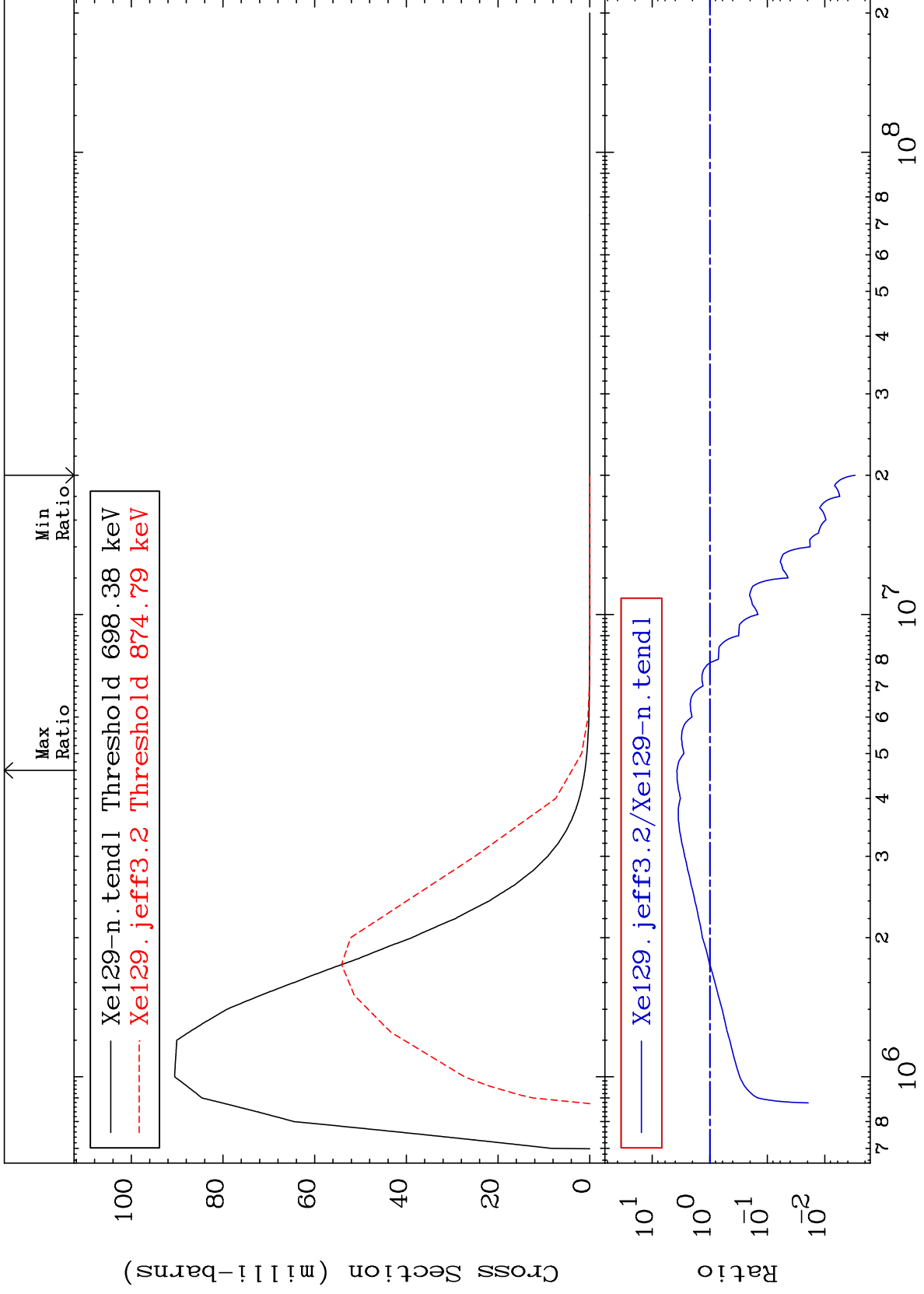
Incident Energy (eV)

54-Xe-129

MAT 5440

693.0 keV (n,n') Level  
Cross Section

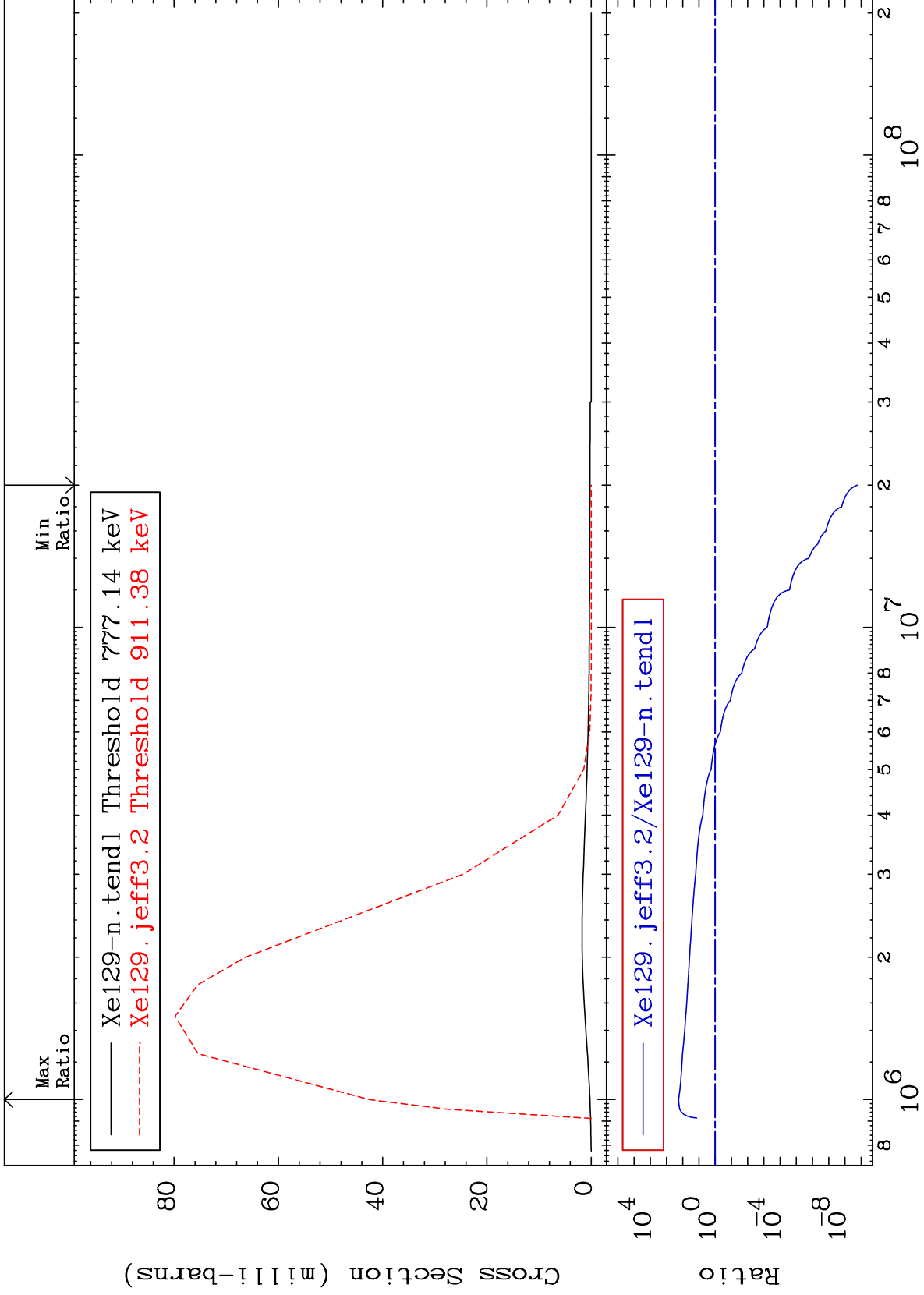
54-Xe-129  
-99.70 To 272.9 %



MAT 5440

771.1 keV (n,n') Level  
Cross Section

54-Xe-129  
-100.0 To 9999. %



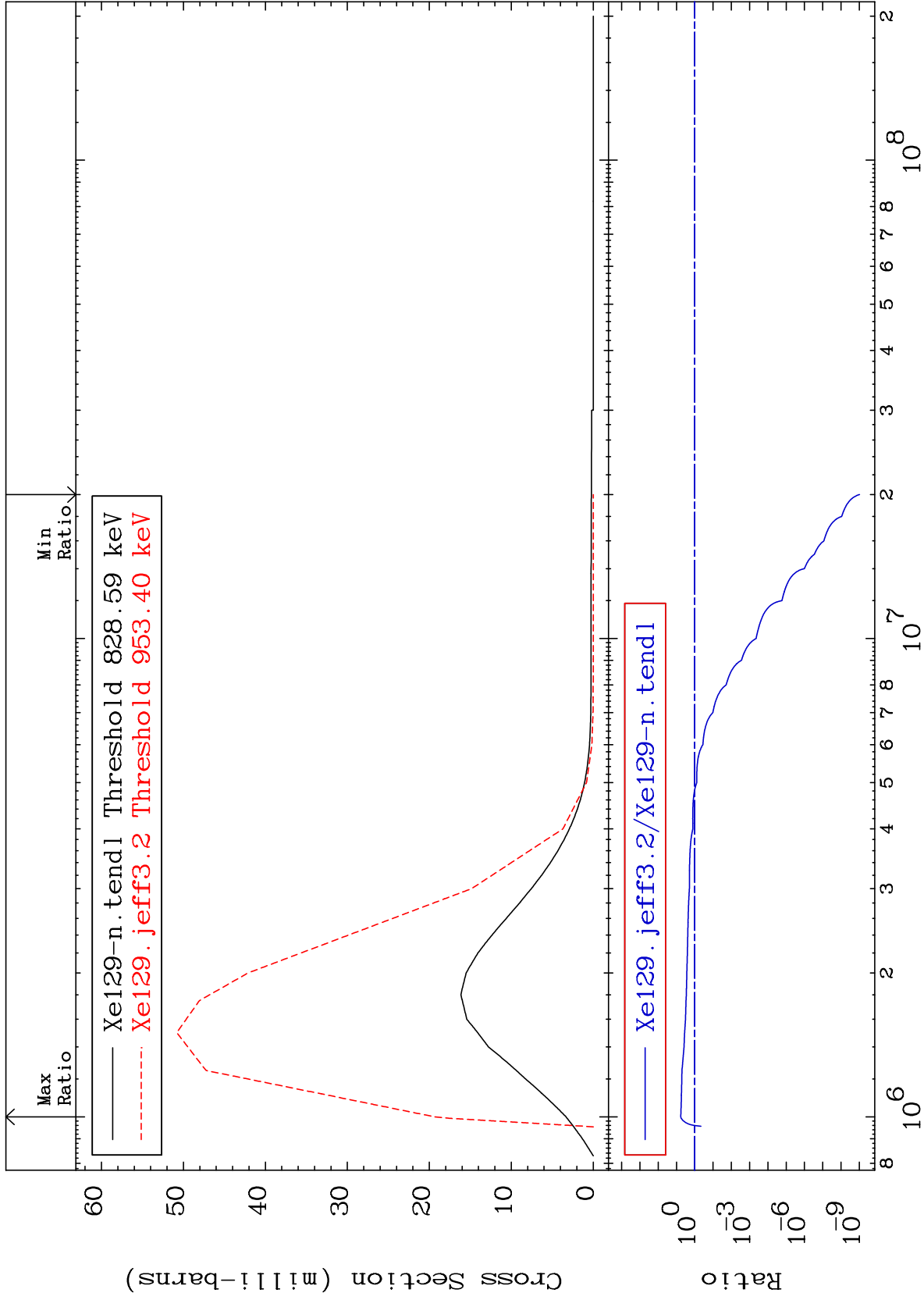
MAT 5440

822.2 keV (n,n') Level

54-Xe-129

-100.0 To 481.9 %

Cross Section



24

Incident Energy (eV)

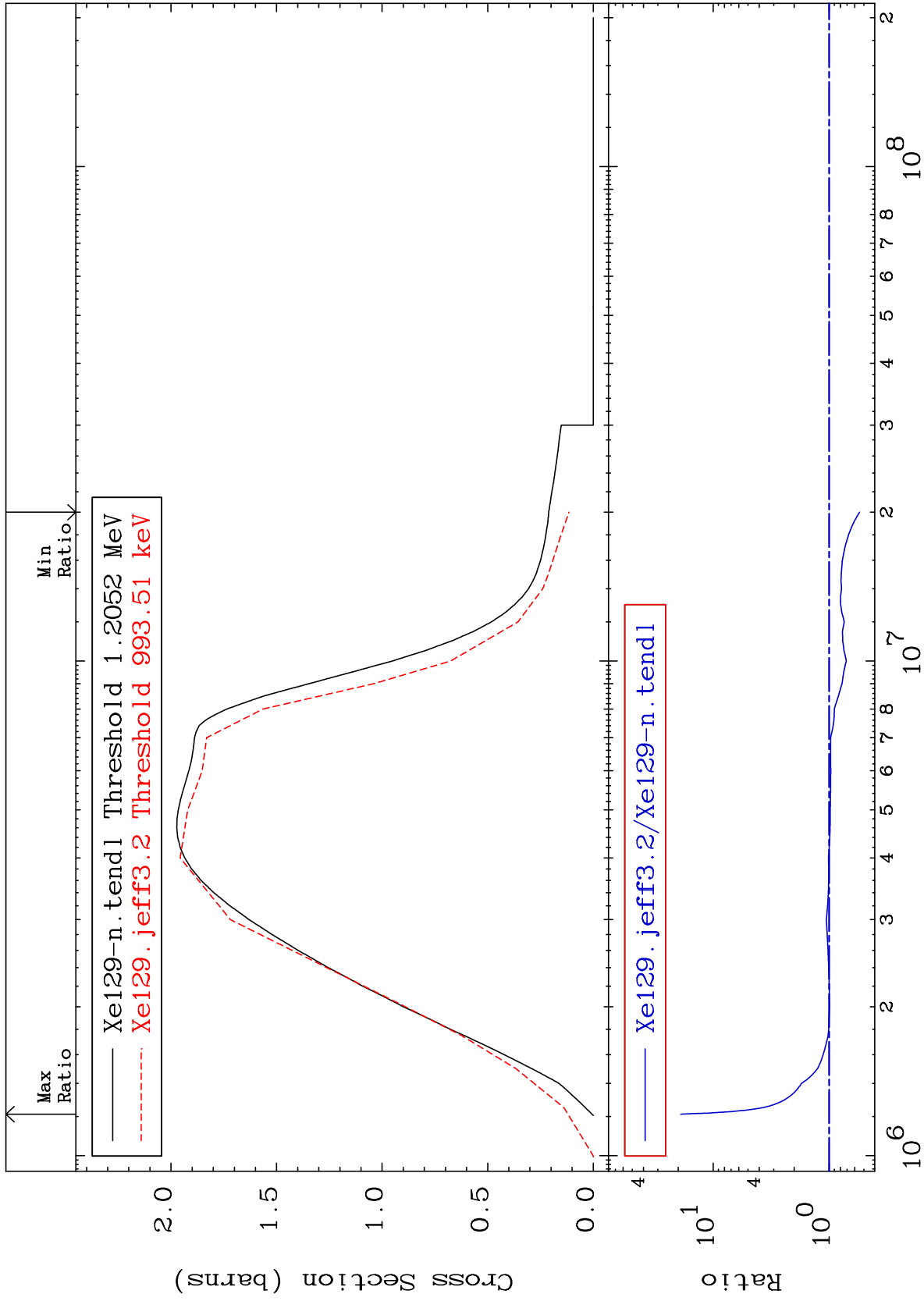
54-Xe-129



MAT 5440

(n, n') Continuum  
Cross Section

54-Xe-129  
-45.44 To 1804. %



25

Incident Energy (eV)

54-Xe-129

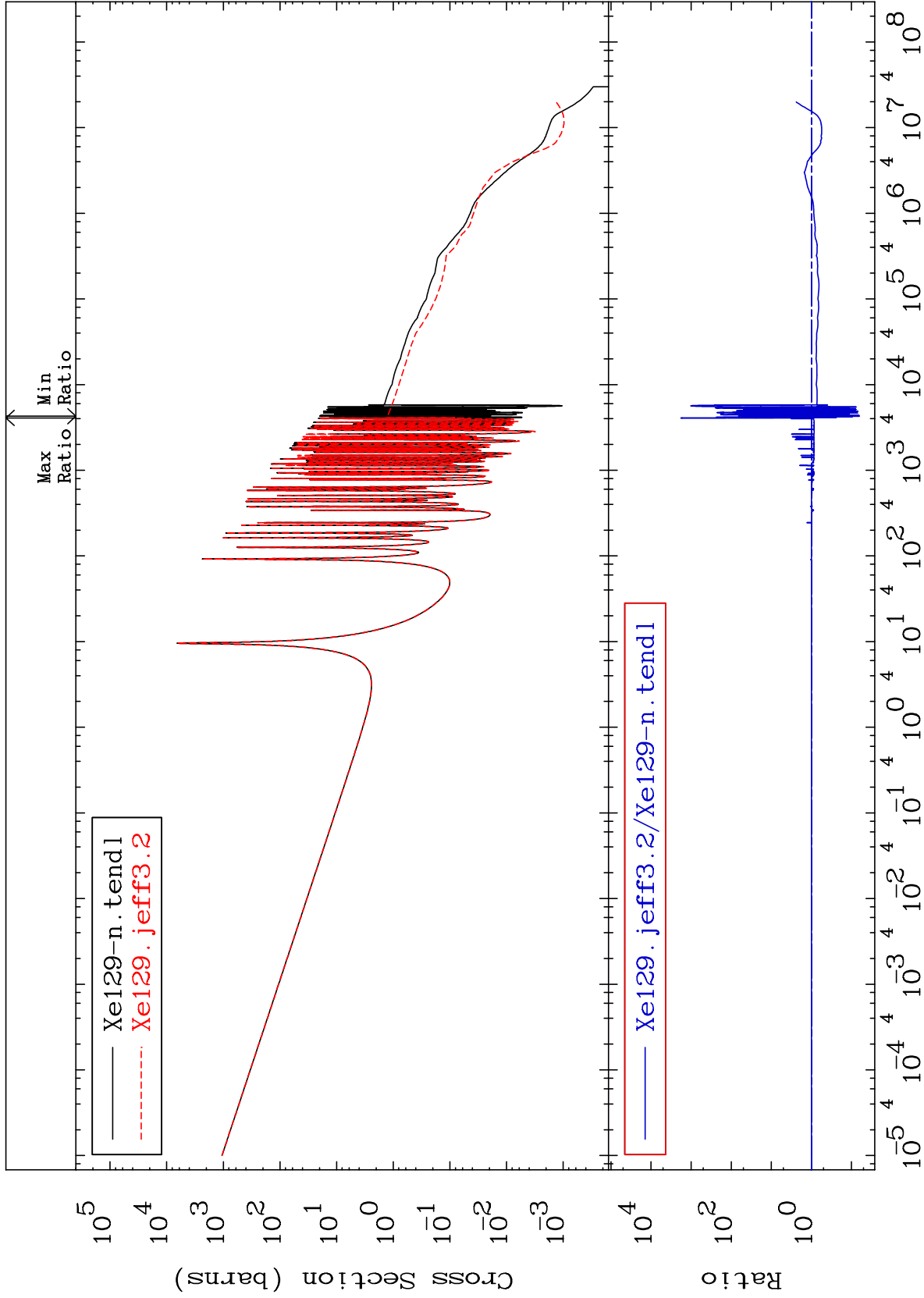
MAT 5440

(n,  $\gamma$ )

54-Xe-129

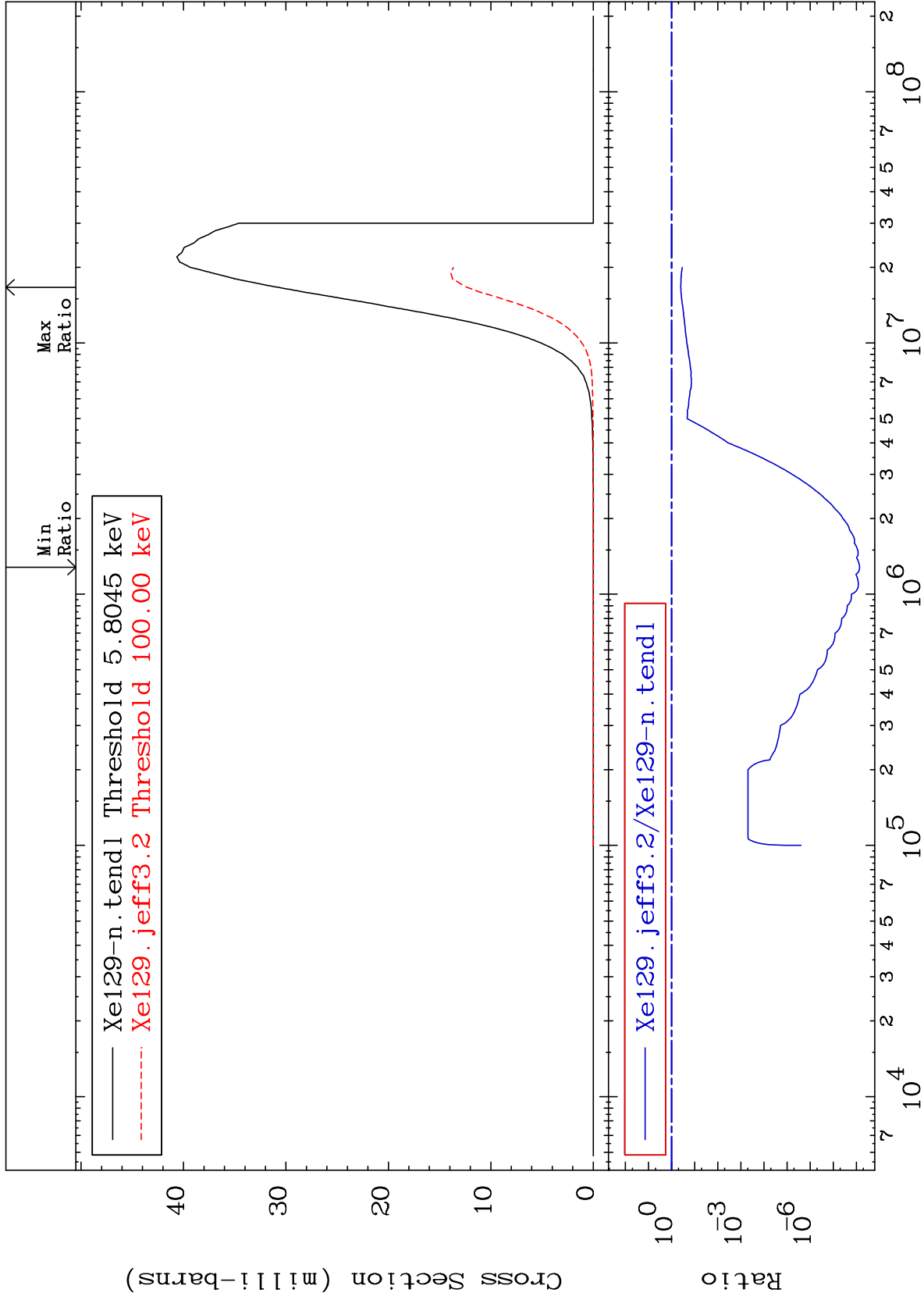
Cross Section

-93.72 To 9999. %



MAT 5440

(n, p)  
Cross Section  
54-Xe-129  
-100.0 To -59.97%



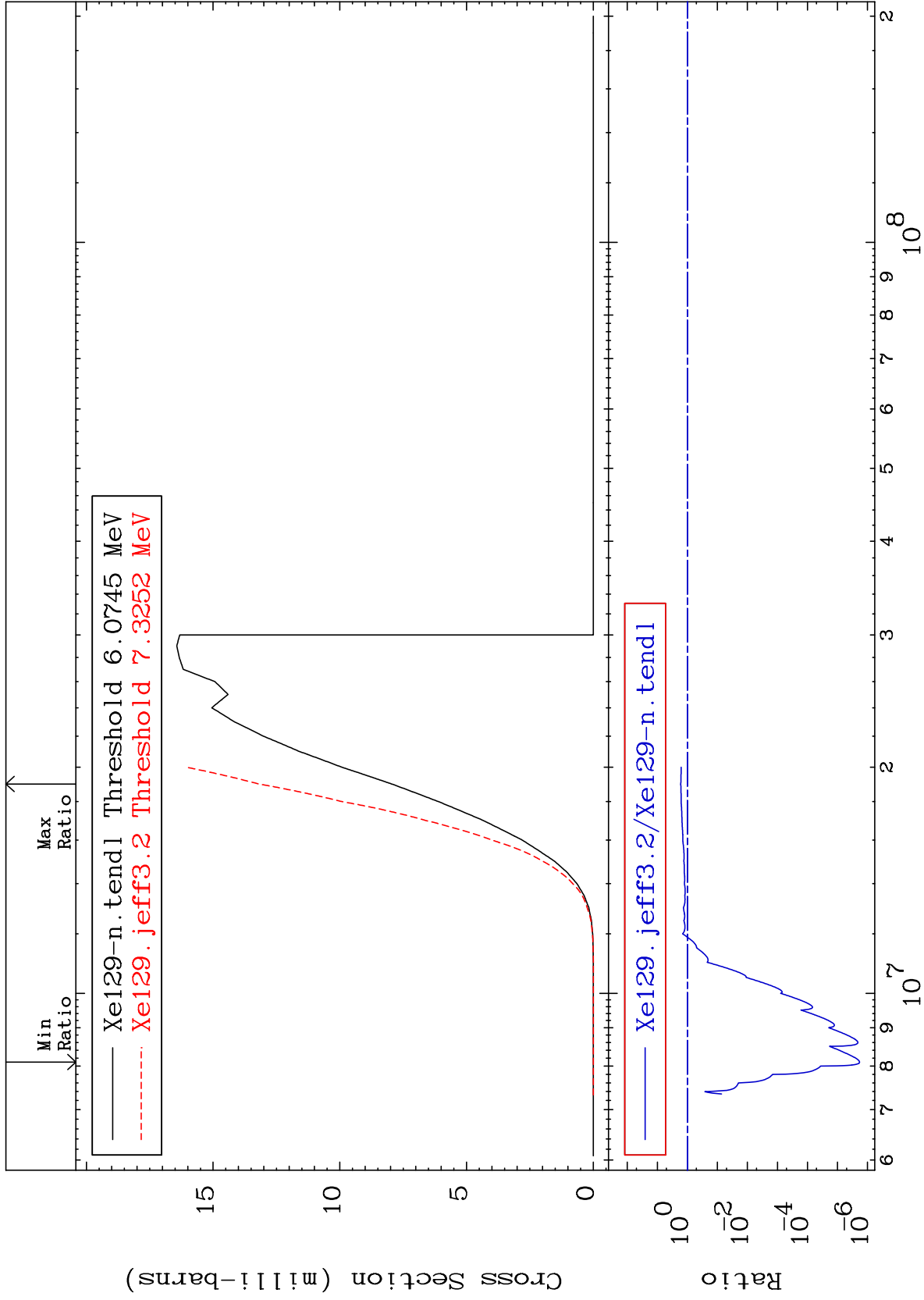
MAT 5440

(n, d)

54-Xe-129

Cross Section

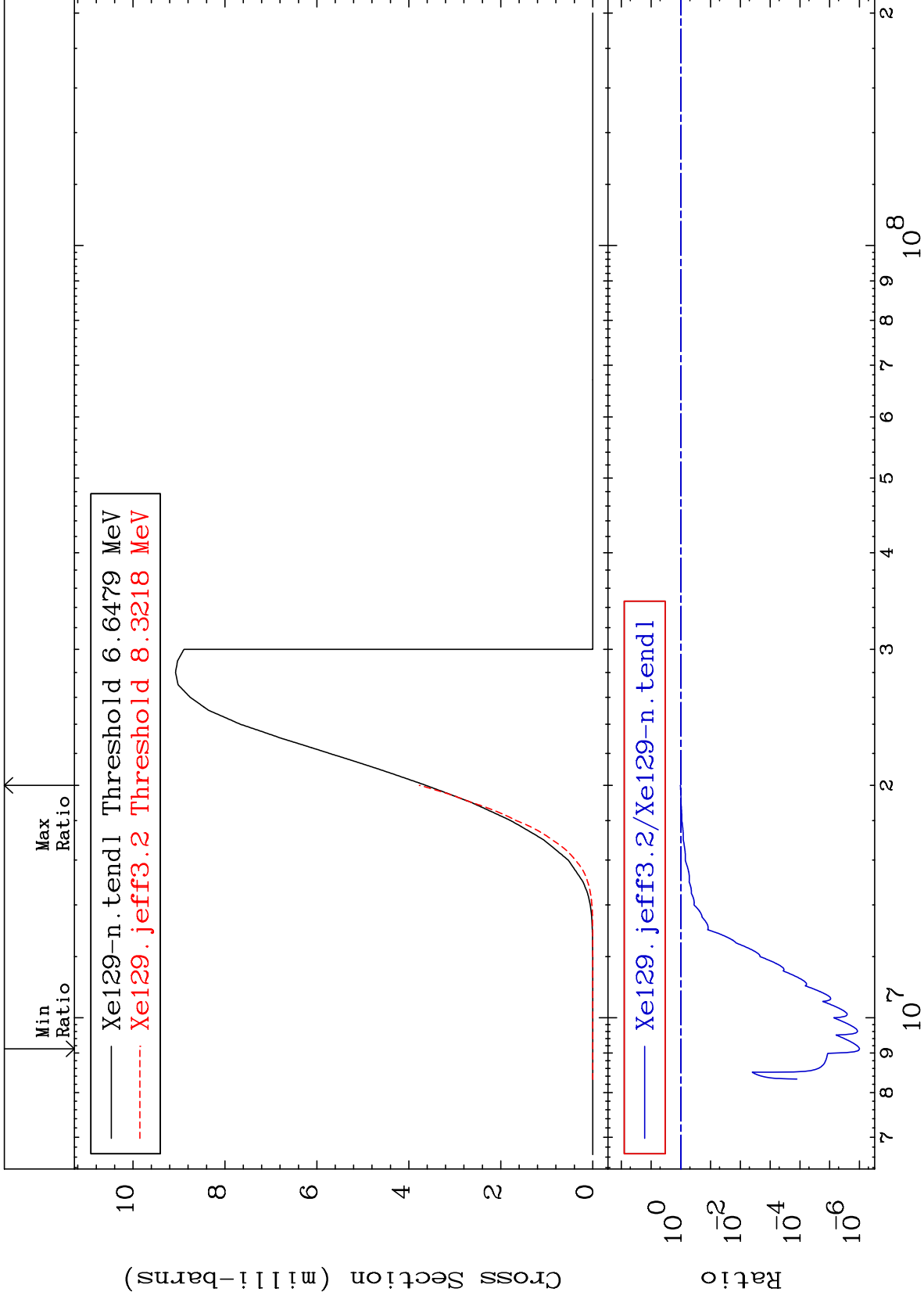
-100.0 To 65.90 %



MAT 5440

(n, t)  
Cross Section

54-Xe-129  
-100.0 To 3.853 %



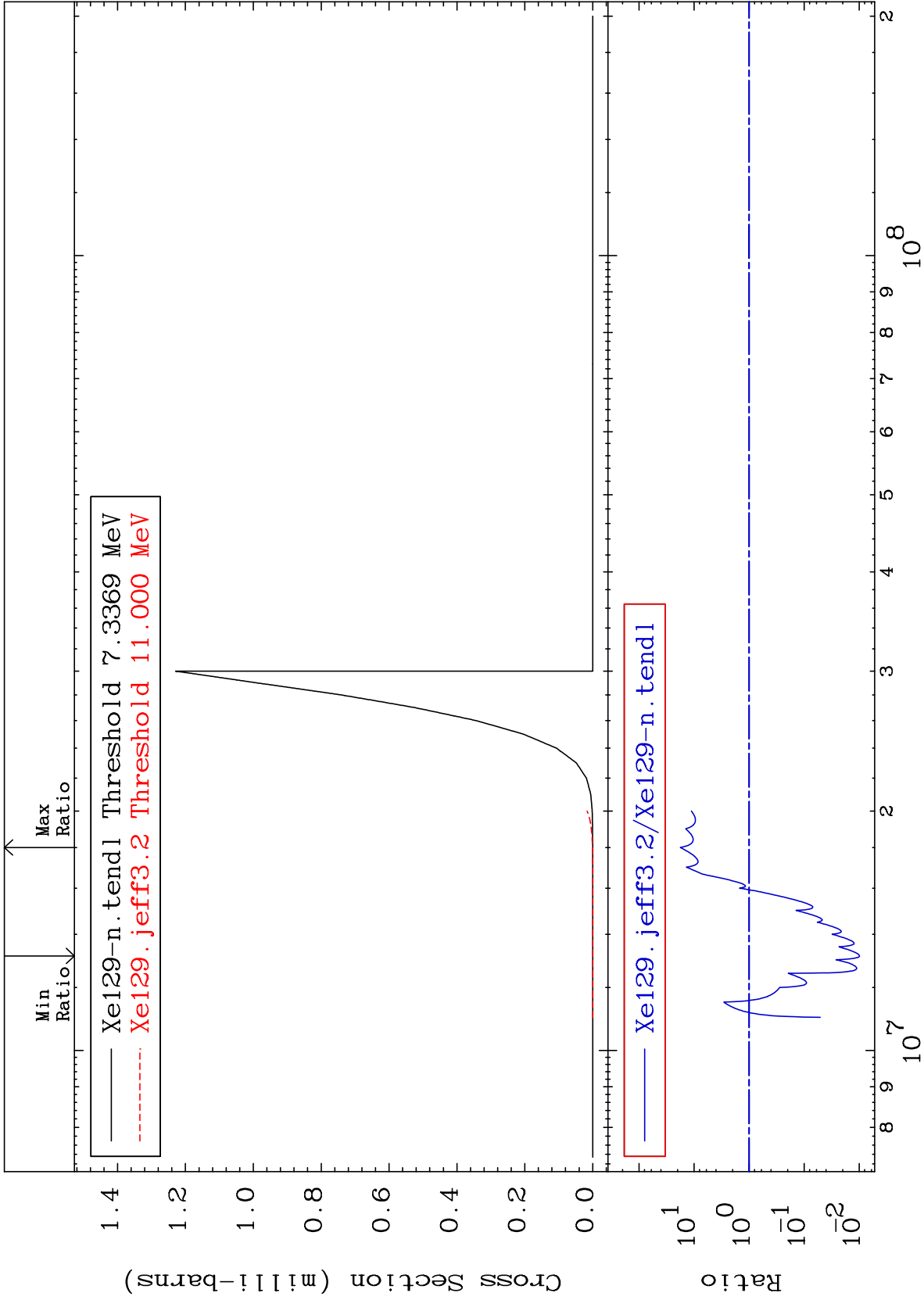
MAT 5440

(n, He-3)

54-Xe-129

Cross Section

-99.01 To 1680. %



30

Incident Energy (eV)

54-Xe-129

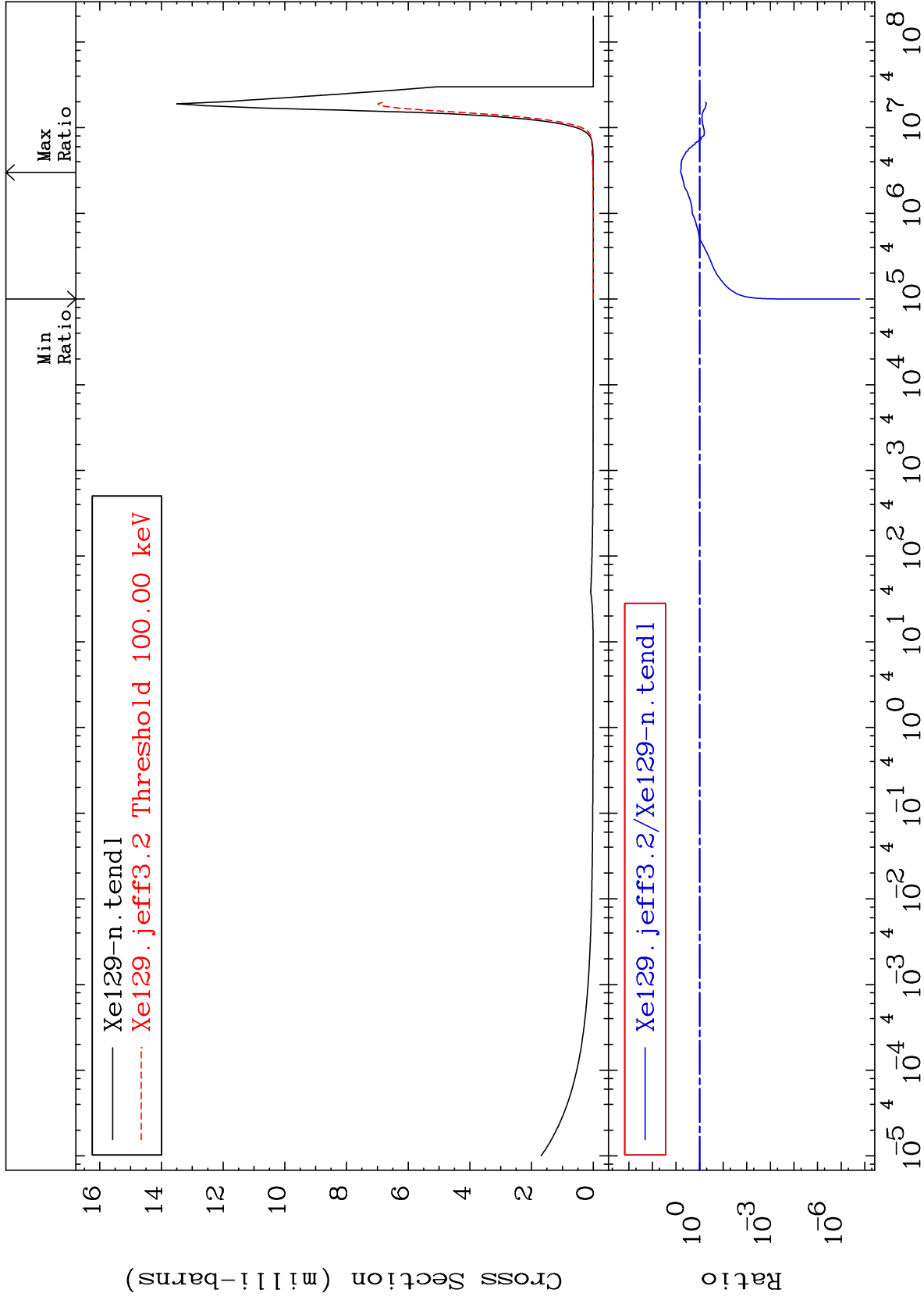
MAT 5440

(n,  $\alpha$ )

54-Xe-129

Cross Section

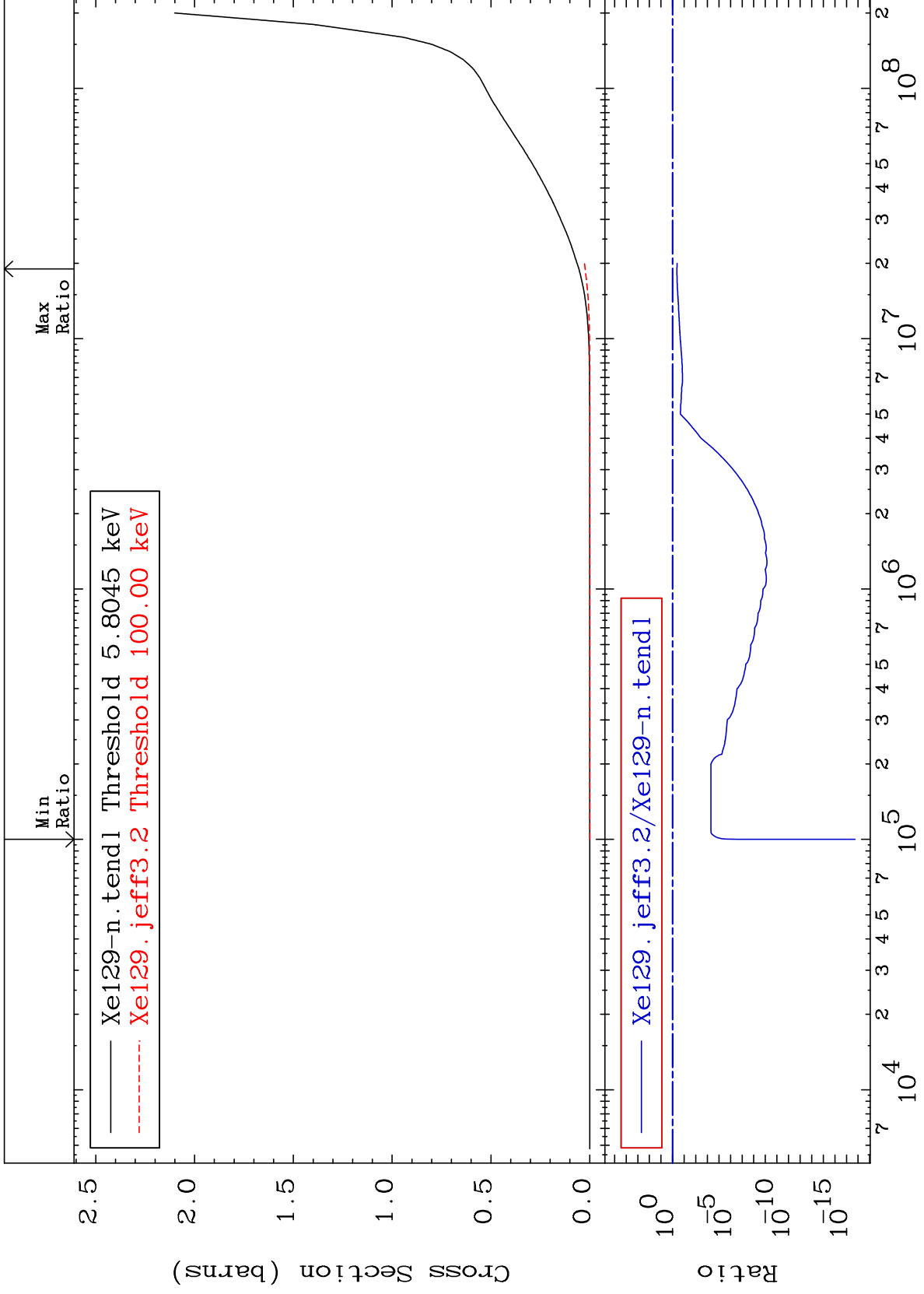
-100.0 To 527.4 %



MAT 5440

Hydrogen Production  
Cross Section

54-Xe-129  
-100.0 To -57.84%

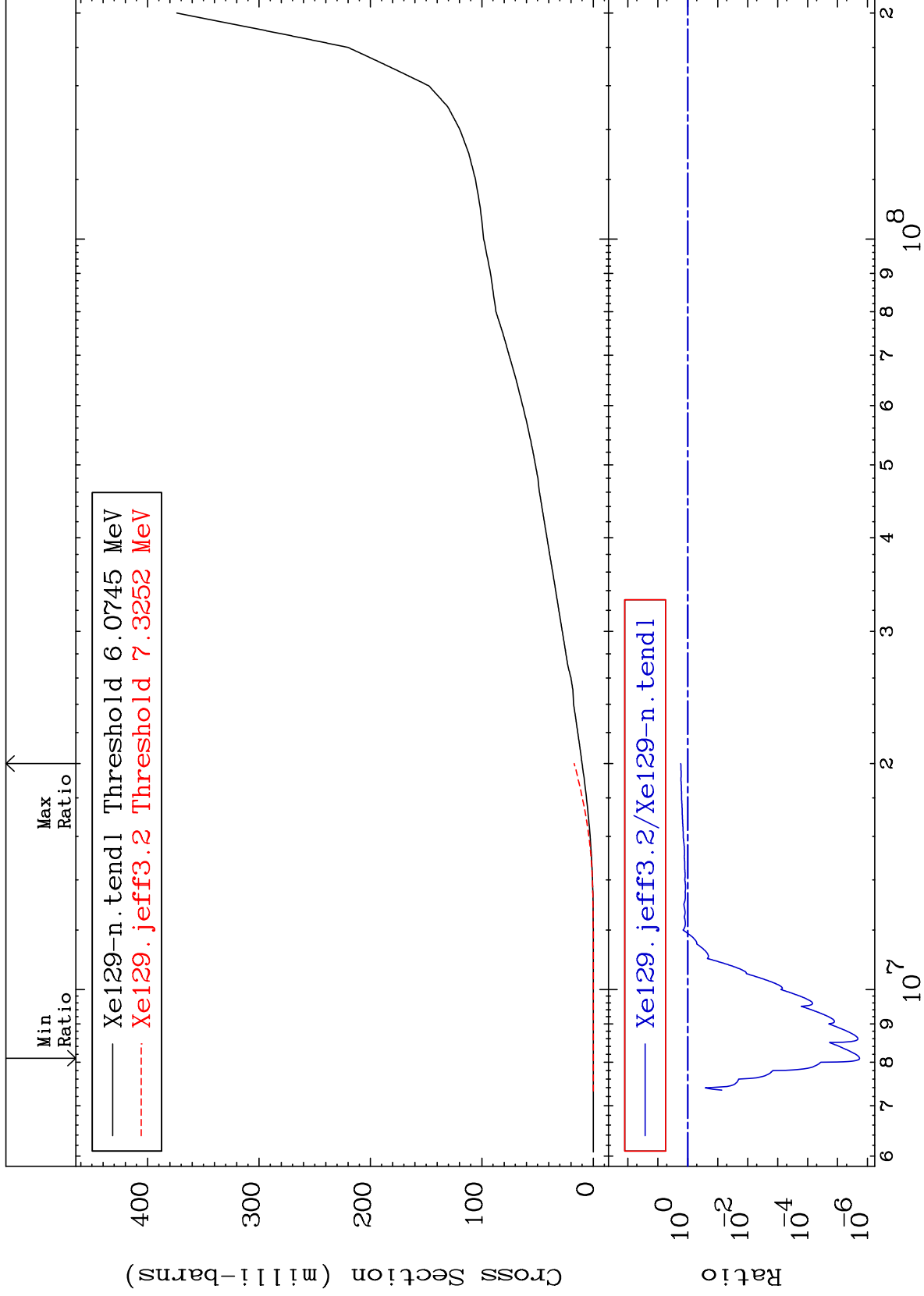




MAT 5440

Deuterium Production  
Cross Section

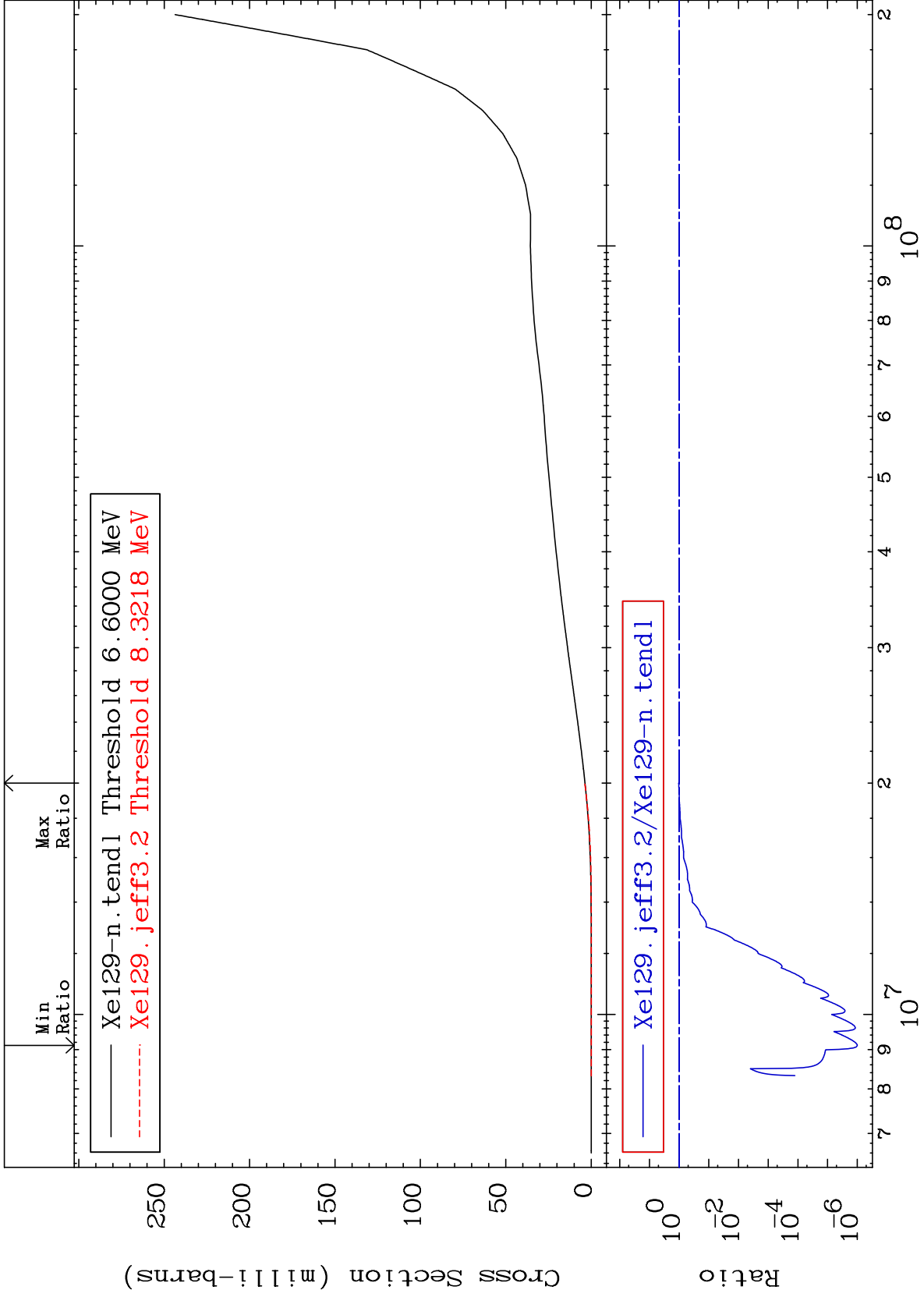
54-Xe-129  
-100.0 To 71.05 %



MAT 5440

Tritium Production  
Cross Section

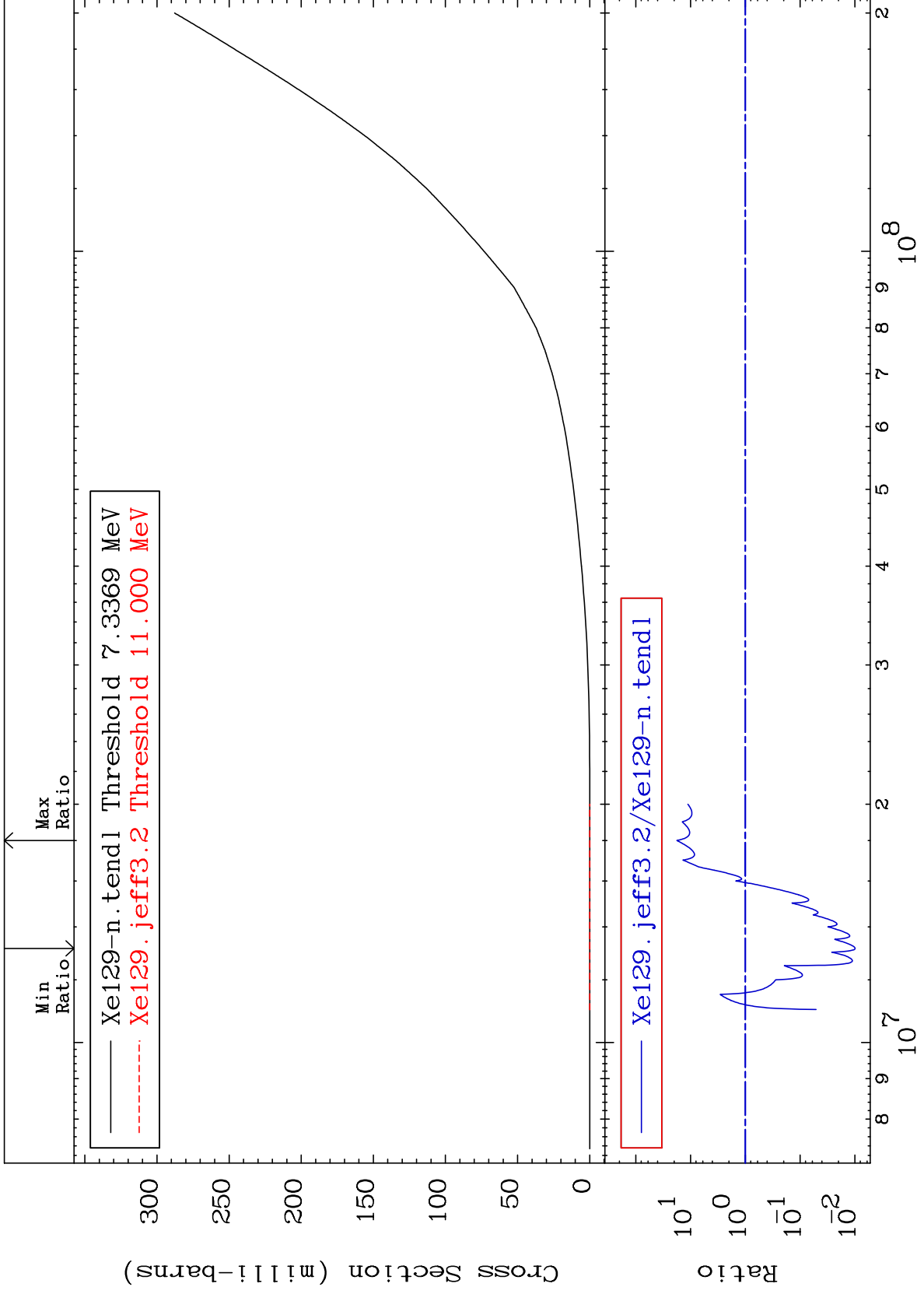
54-Xe-129  
-100.0 To 3.852 %



MAT 5440

He-3 Production  
Cross Section

54-Xe-129  
-99.01 To 1680. %



35

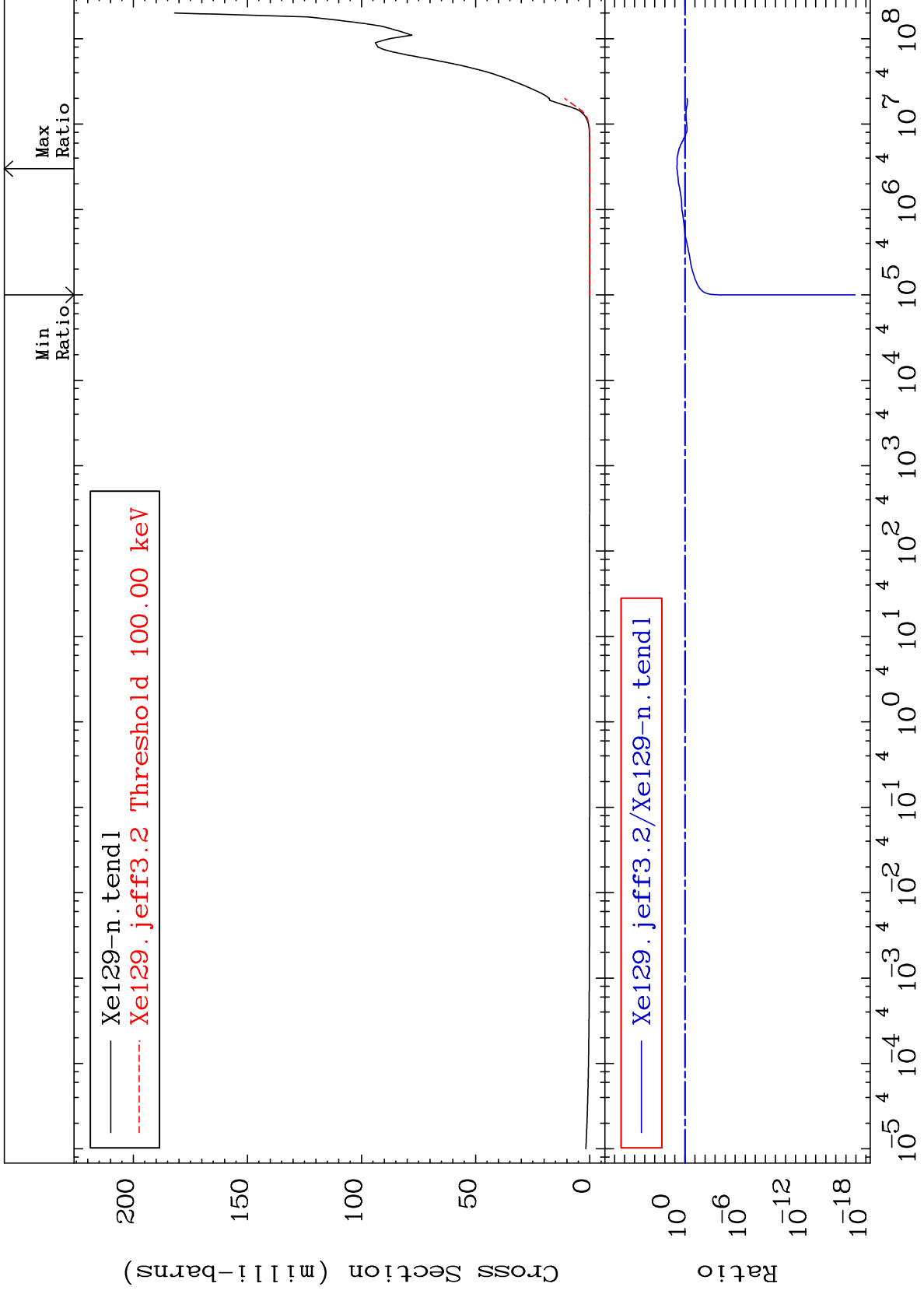
Incident Energy (eV)

54-Xe-129

MAT 5440

He-4 Production  
Cross Section

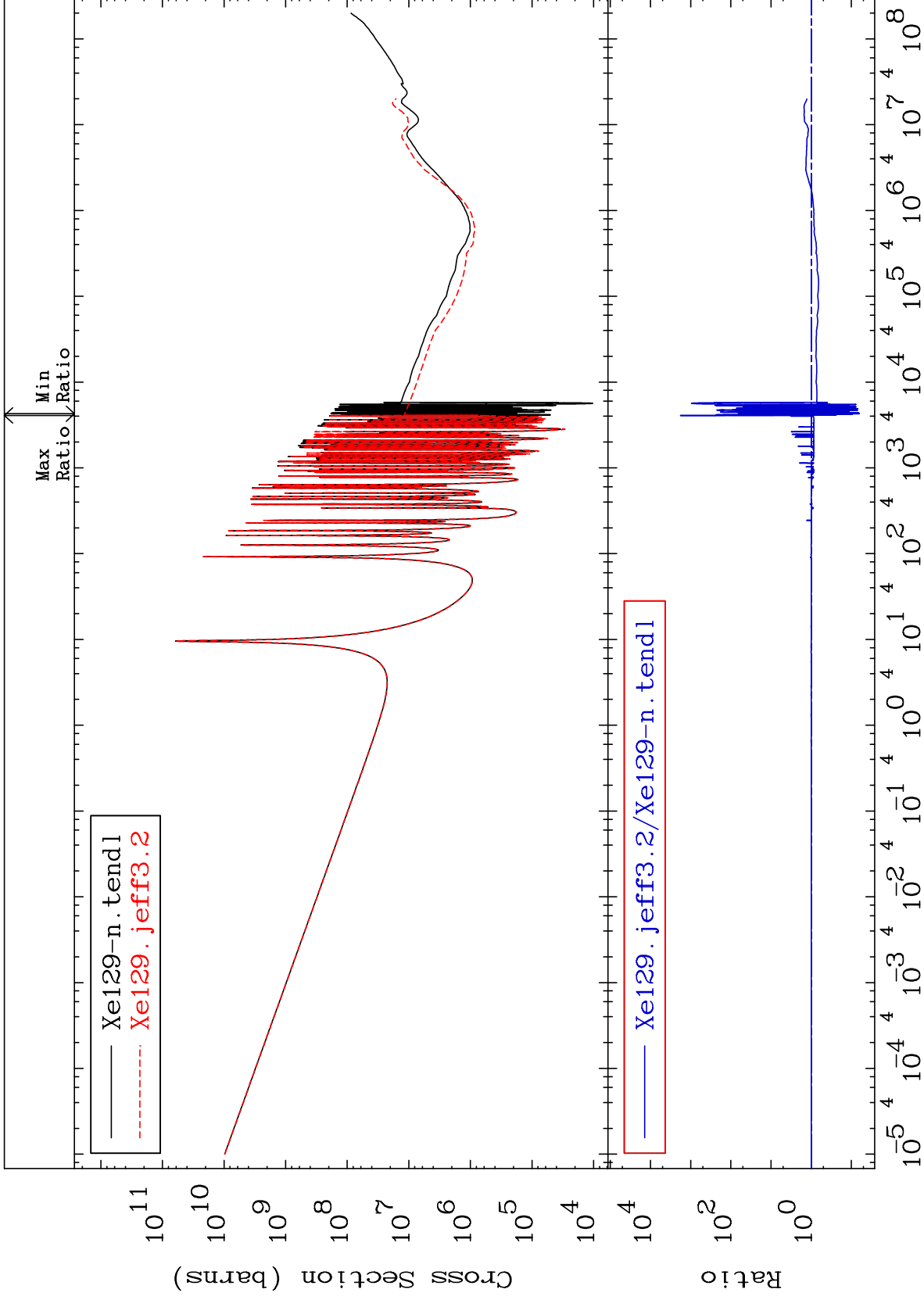
54-Xe-129  
-100.0 To 527.4 %



36

Incident Energy (eV)

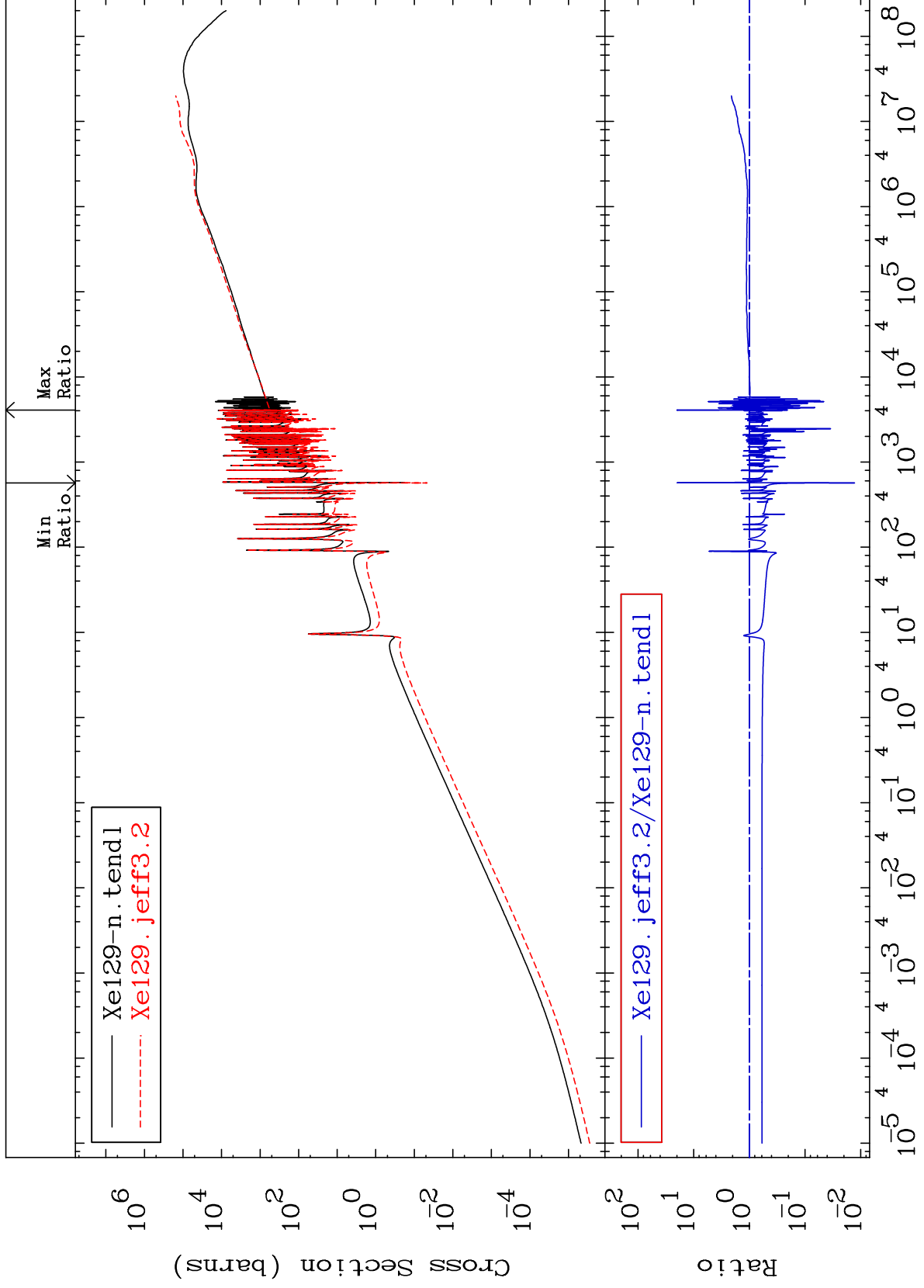
54-Xe-129

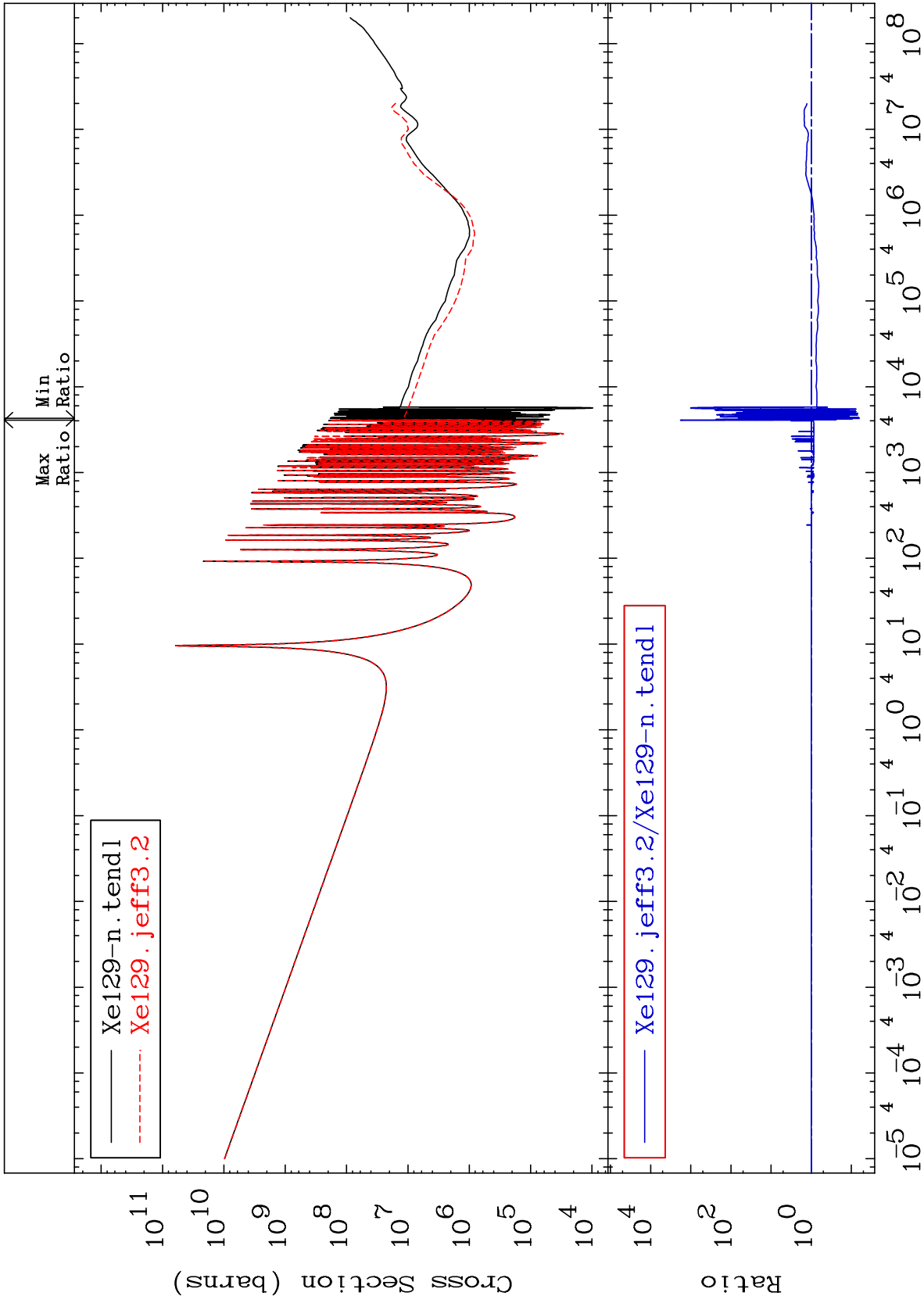


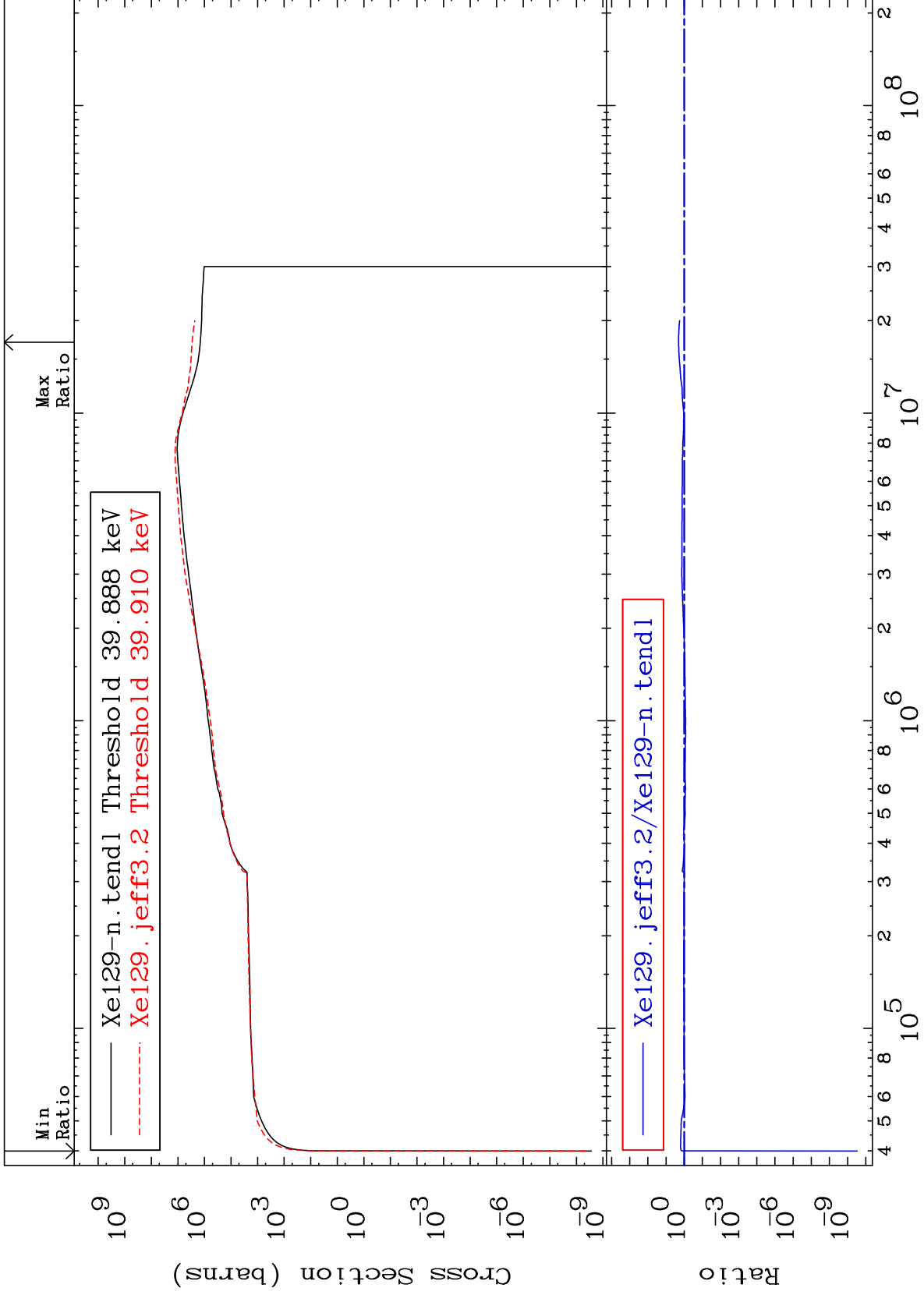
MAT 5440

Kerma elastic  
Cross Section

54-Xe-129  
-98.71 To 1917. %





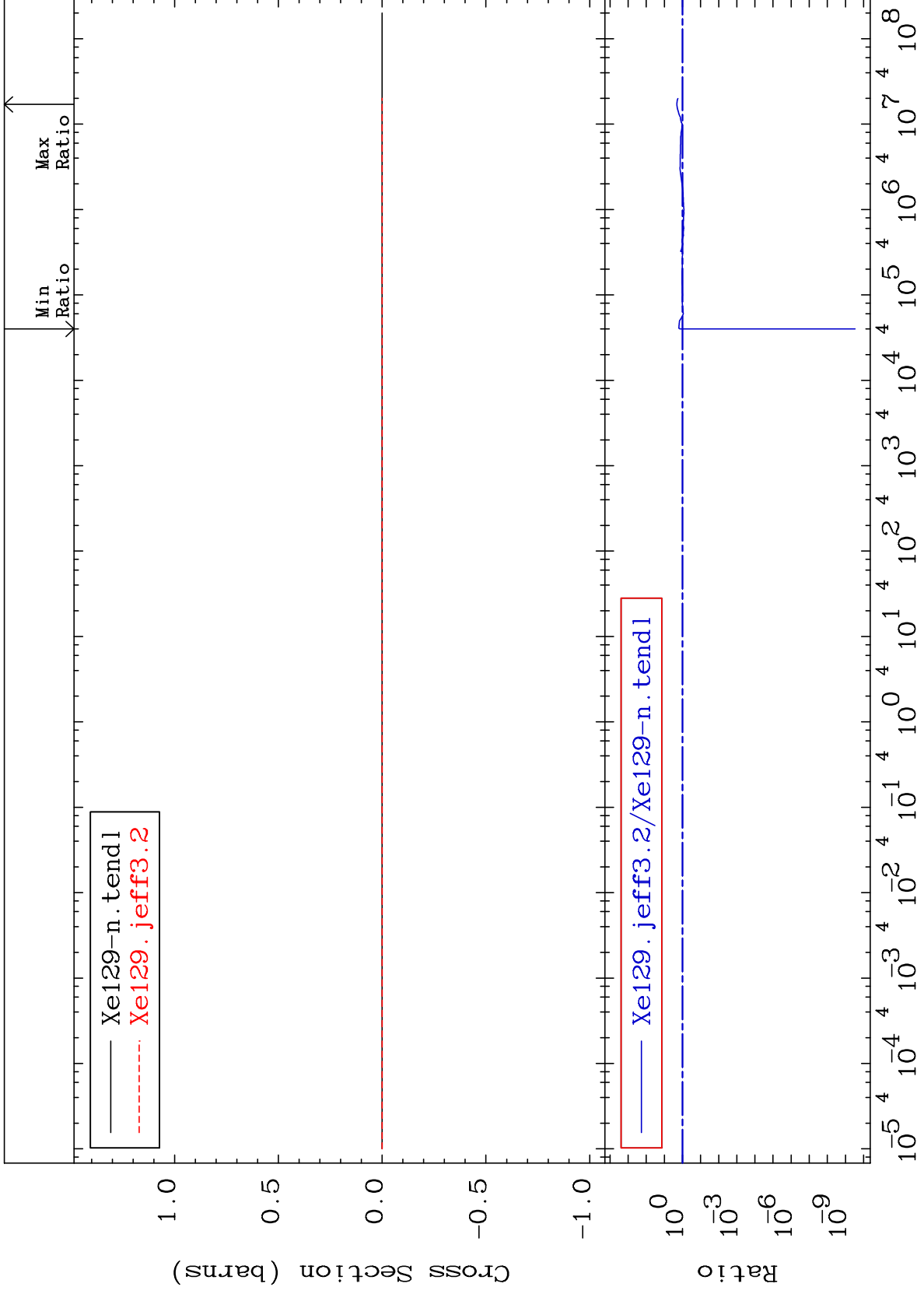




MAT 5440

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

54-Xe-129  
-100.0 To 102.4 %



41

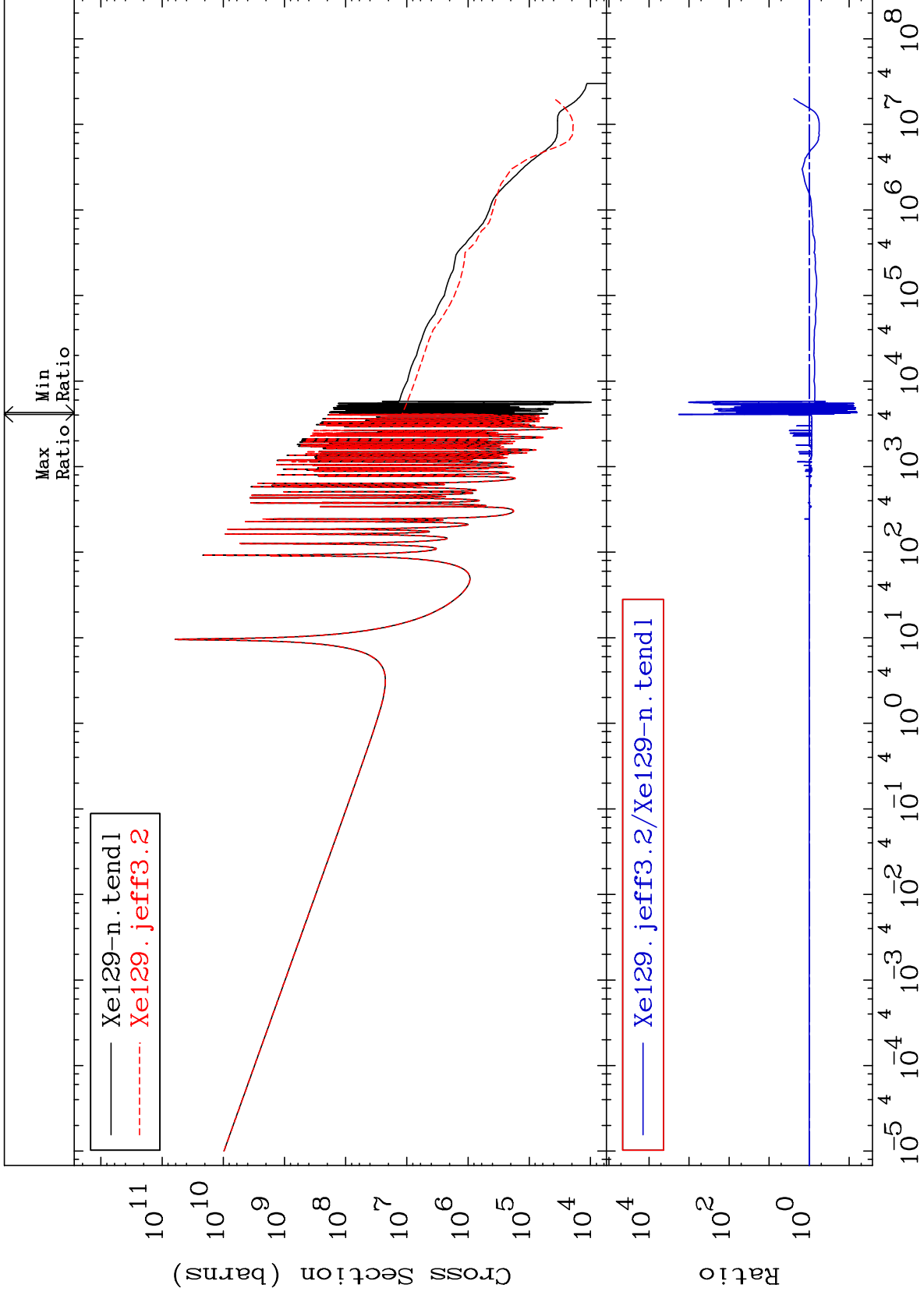
Incident Energy (eV)

54-Xe-129

MAT 5440

Kerma capture (mt102)  
Cross Section

54-Xe-129  
-93.71 To 9999. %



42

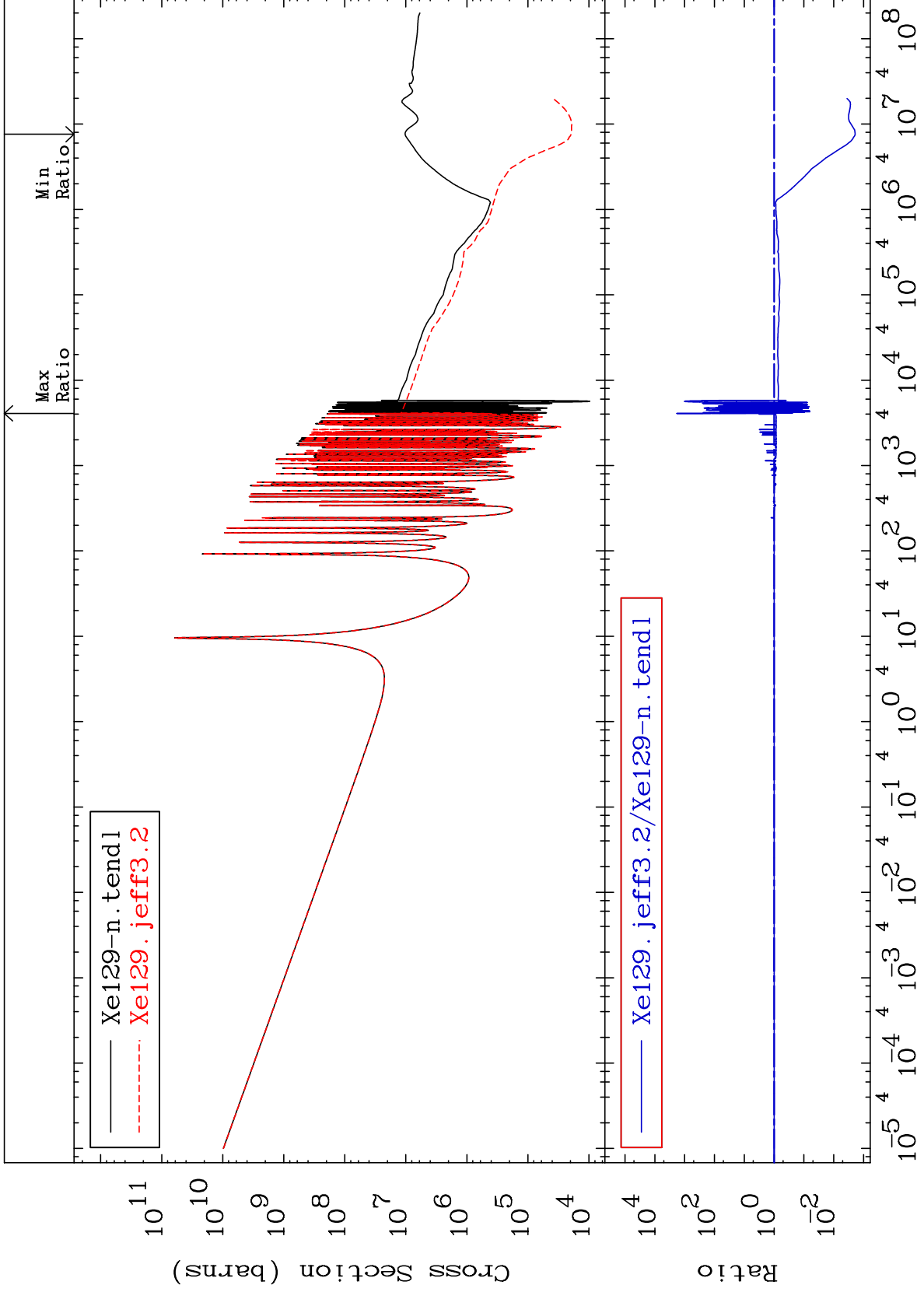
Incident Energy (eV)

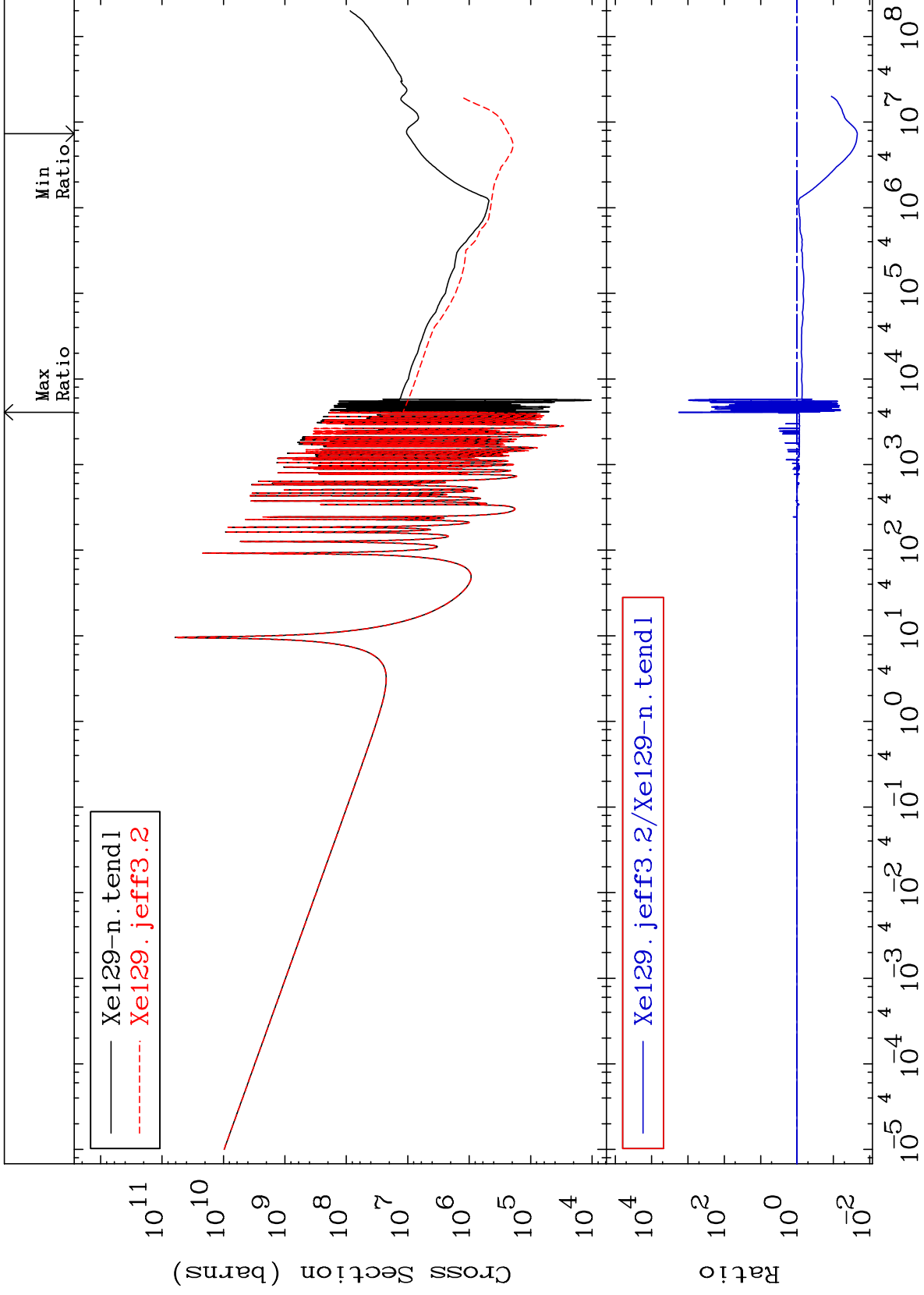
54-Xe-129

MAT 5440

Total photon (eV-barns)  
Cross Section

54-Xe-129  
-99.81 To 9999. %

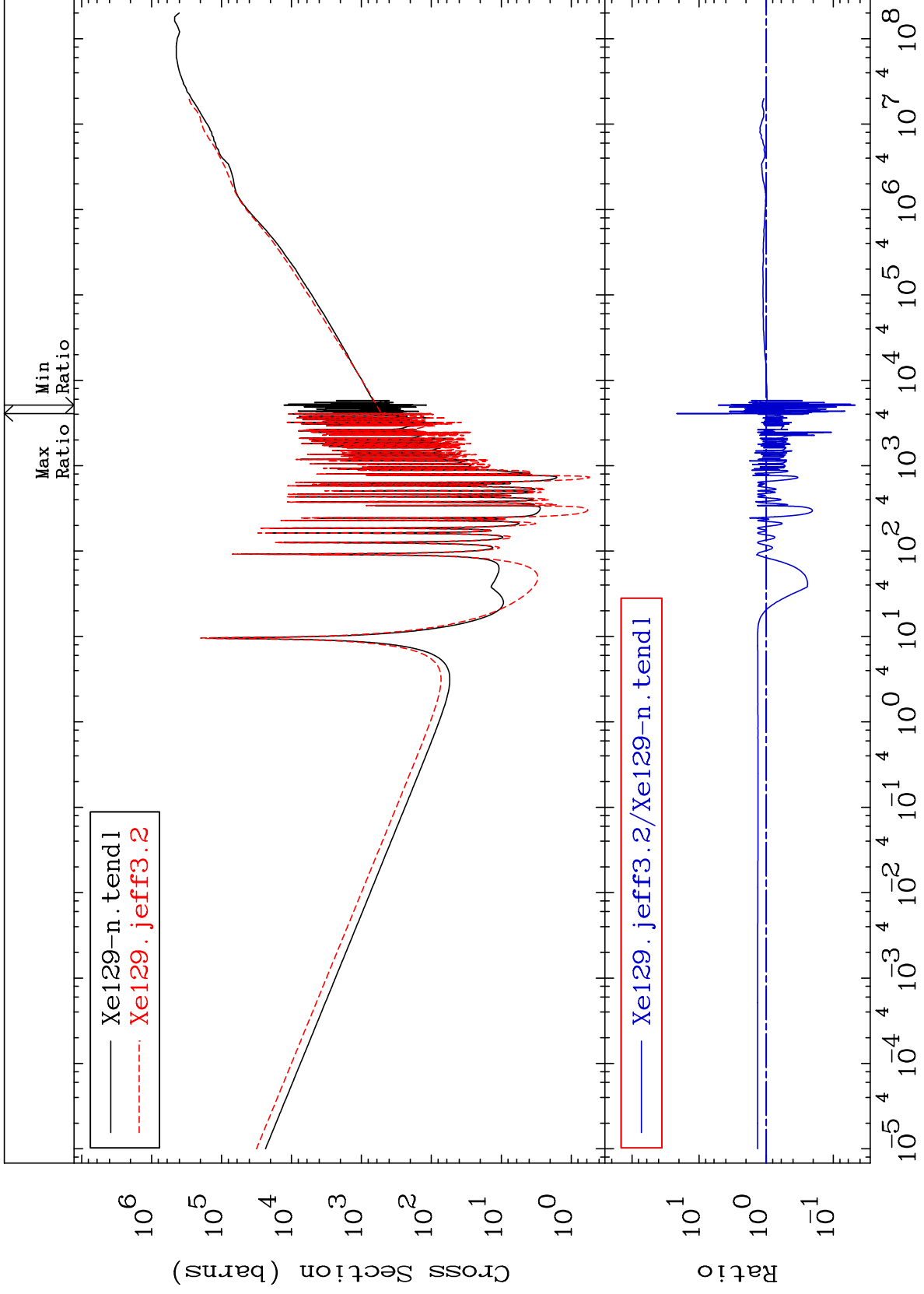




MAT 5440

Dpa total (eV-barns)  
Cross Section

54-Xe-129  
-95.25 To 2040. %



45

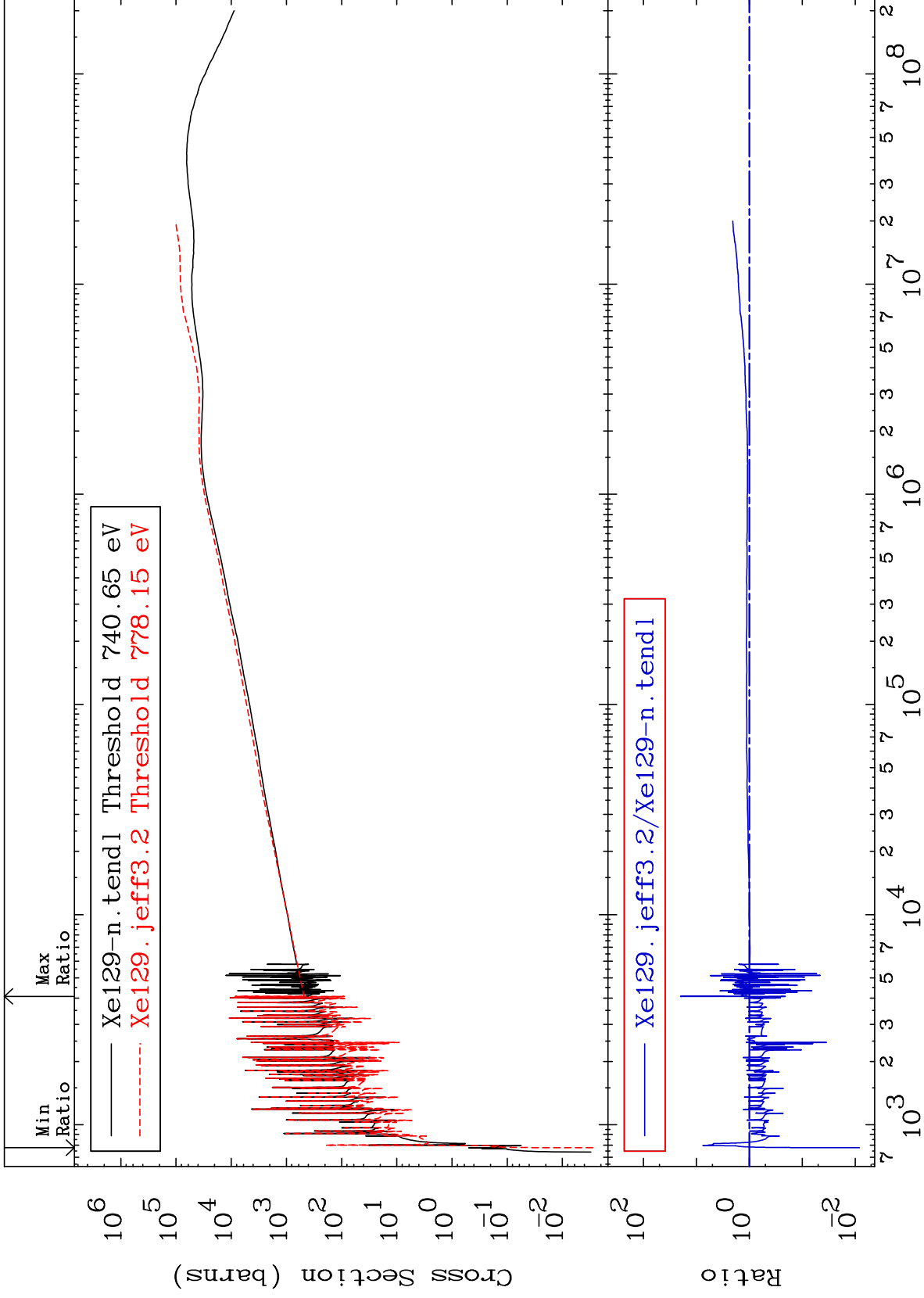
Incident Energy (eV)

54-Xe-129

MAT 5440

Dpa elastic (mt2)  
Cross Section

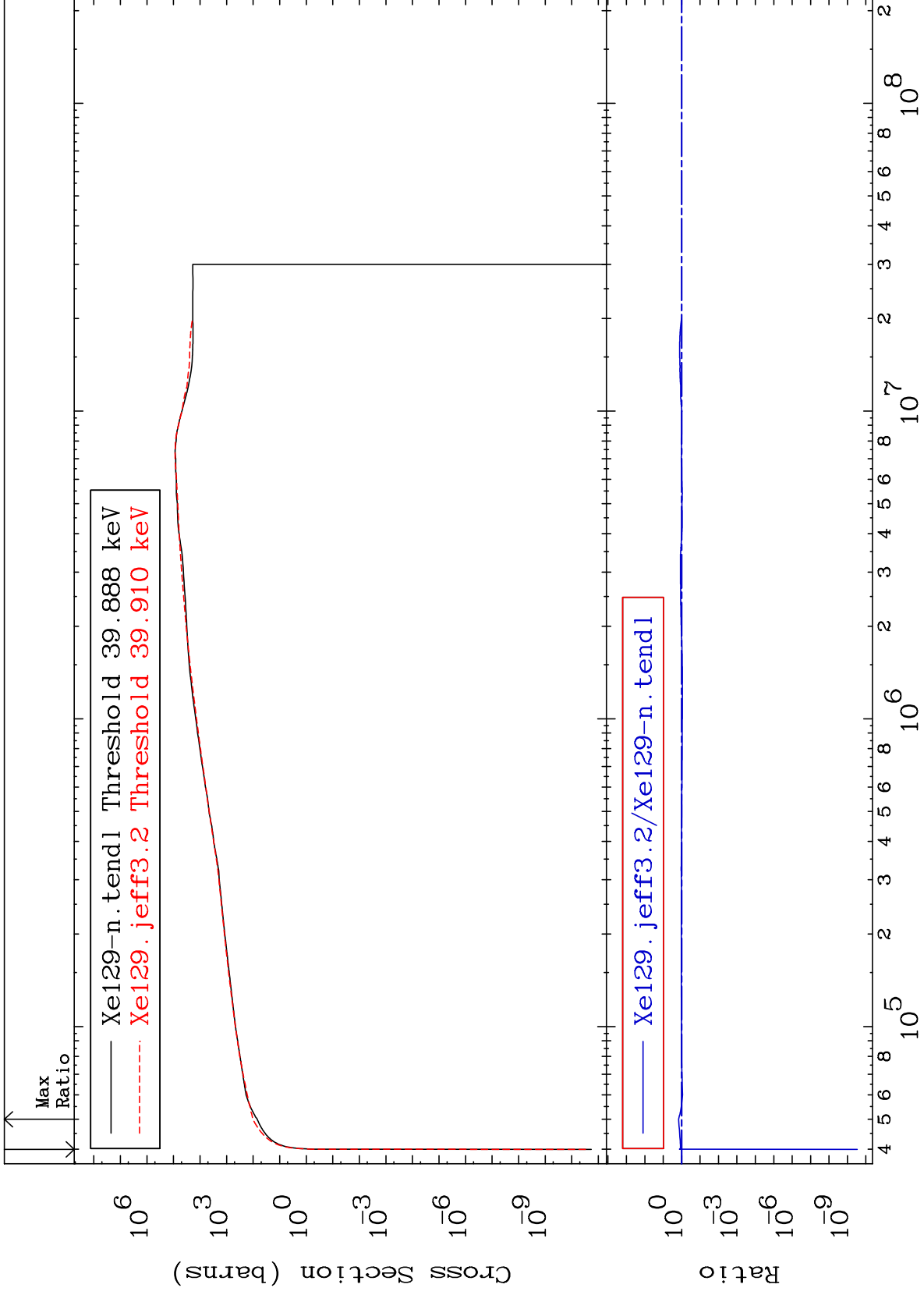
54-Xe-129  
-99.17 To 1912. %



MAT 5440

Dpa inelastic (mt51-91)  
Cross Section

54-Xe-129  
-100.0 To 45.72 %



MAT 5440

Dpa disappearance (mt102 -120)  
Cross Section

54-Xe-129  
-91.59 To 9999. %

