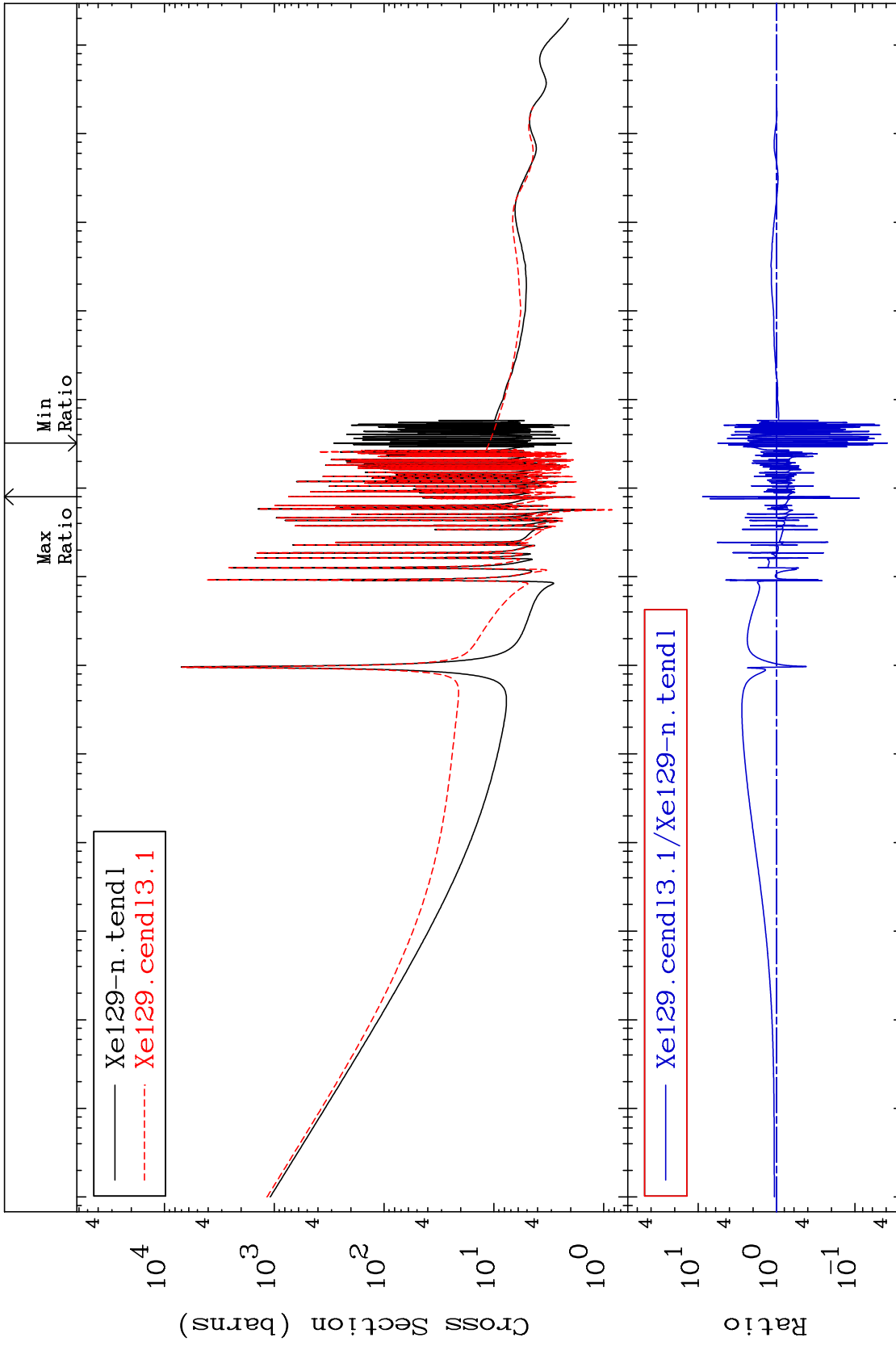


MAT 5440

Total
Cross Section

54-Xe-129
-96.14 To 781.4 %



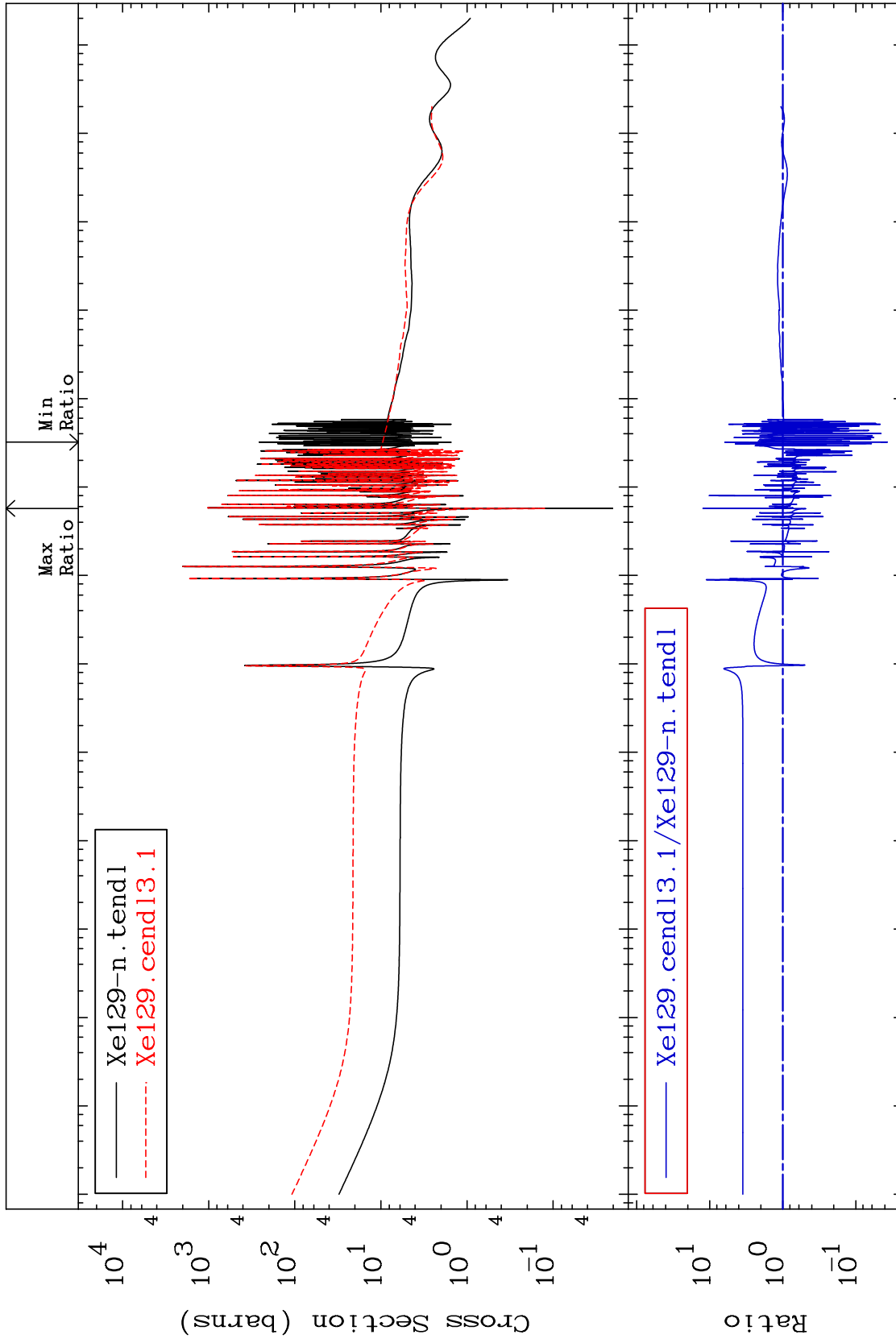
Incident Energy (eV)

54-Xe-129

MAT 5440

Elastic
Cross Section

54-Xe-129
-96.31 To 1140. %



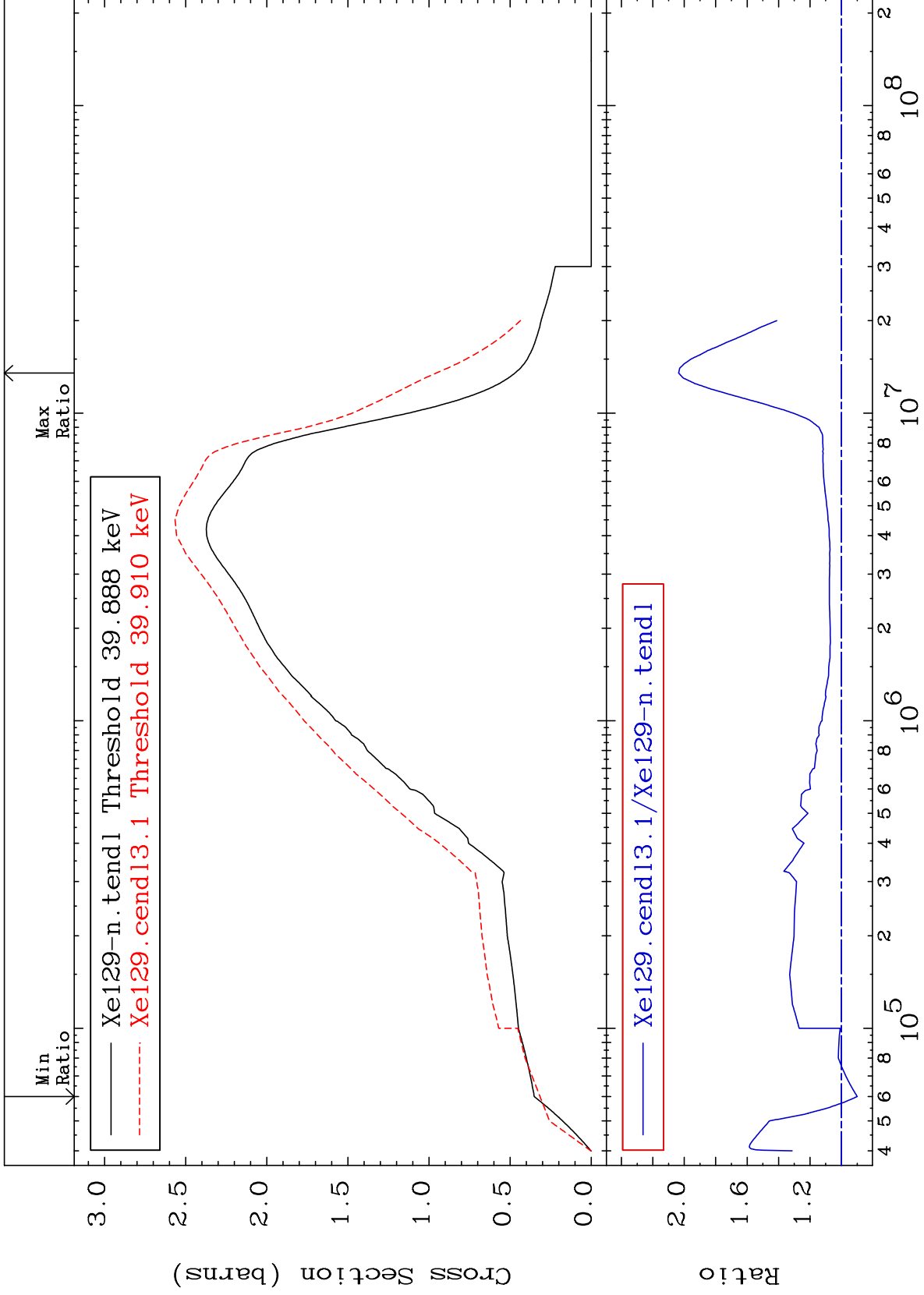
Incident Energy (eV)

54-Xe-129

MAT 5440

Inelastic
Cross Section

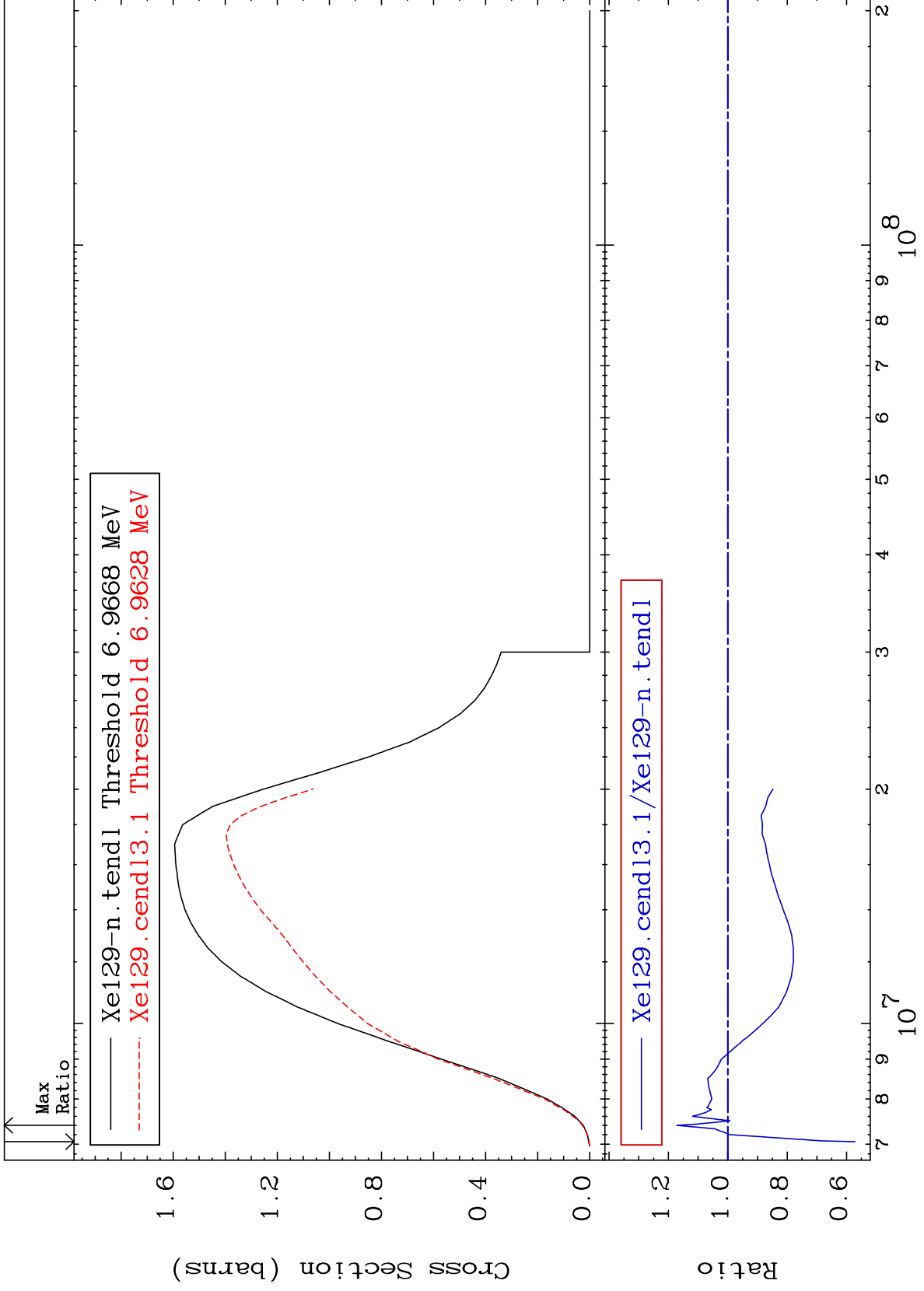
54-Xe-129
-10.06 To 103.6 %



MAT 5440

(n,2n)
Cross Section

54-Xe-129
-42.90 To 17.15 %



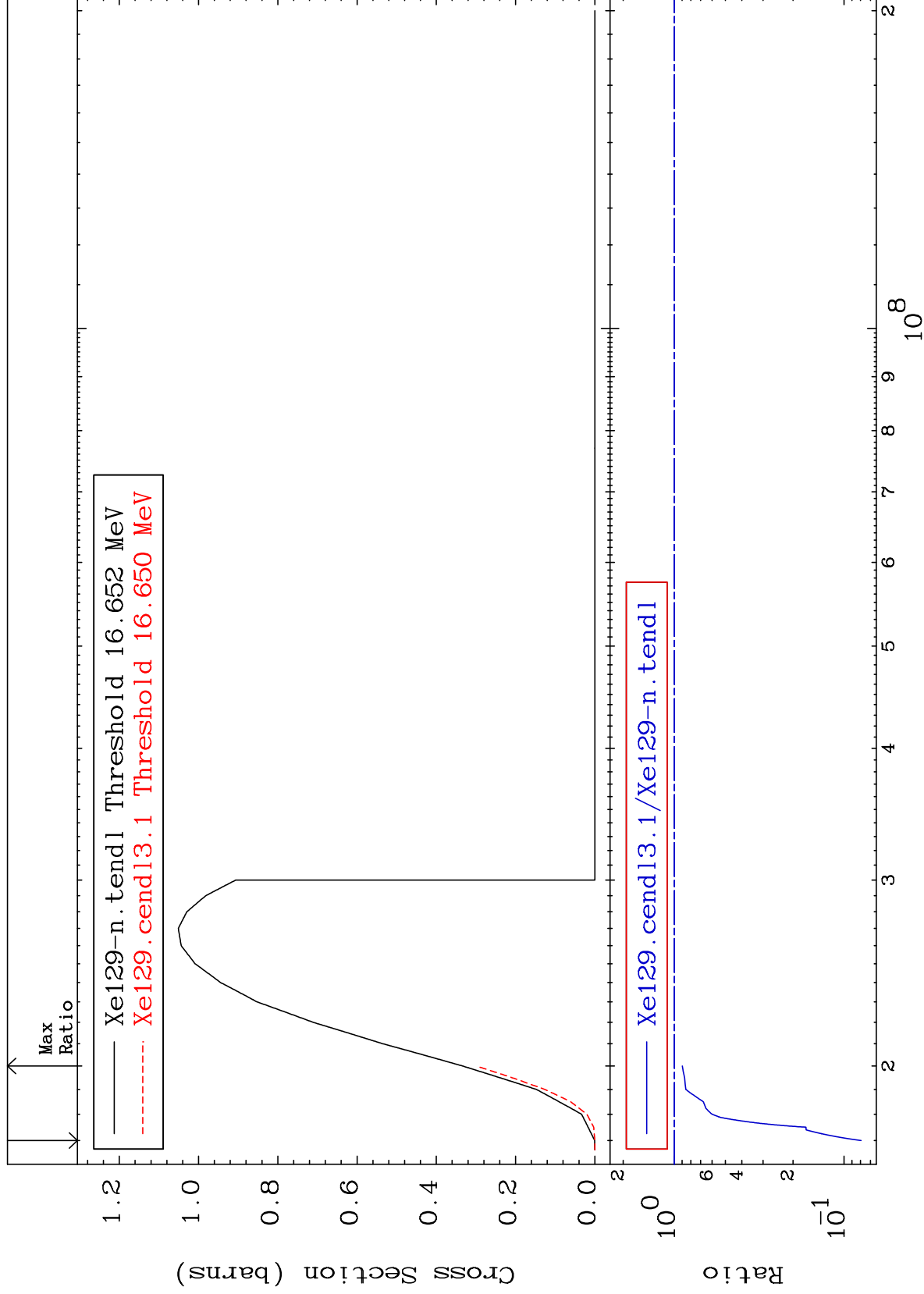
MAT 5440

(n,3n)

54-Xe-129

Cross Section

-92.06 To -10.27%



5

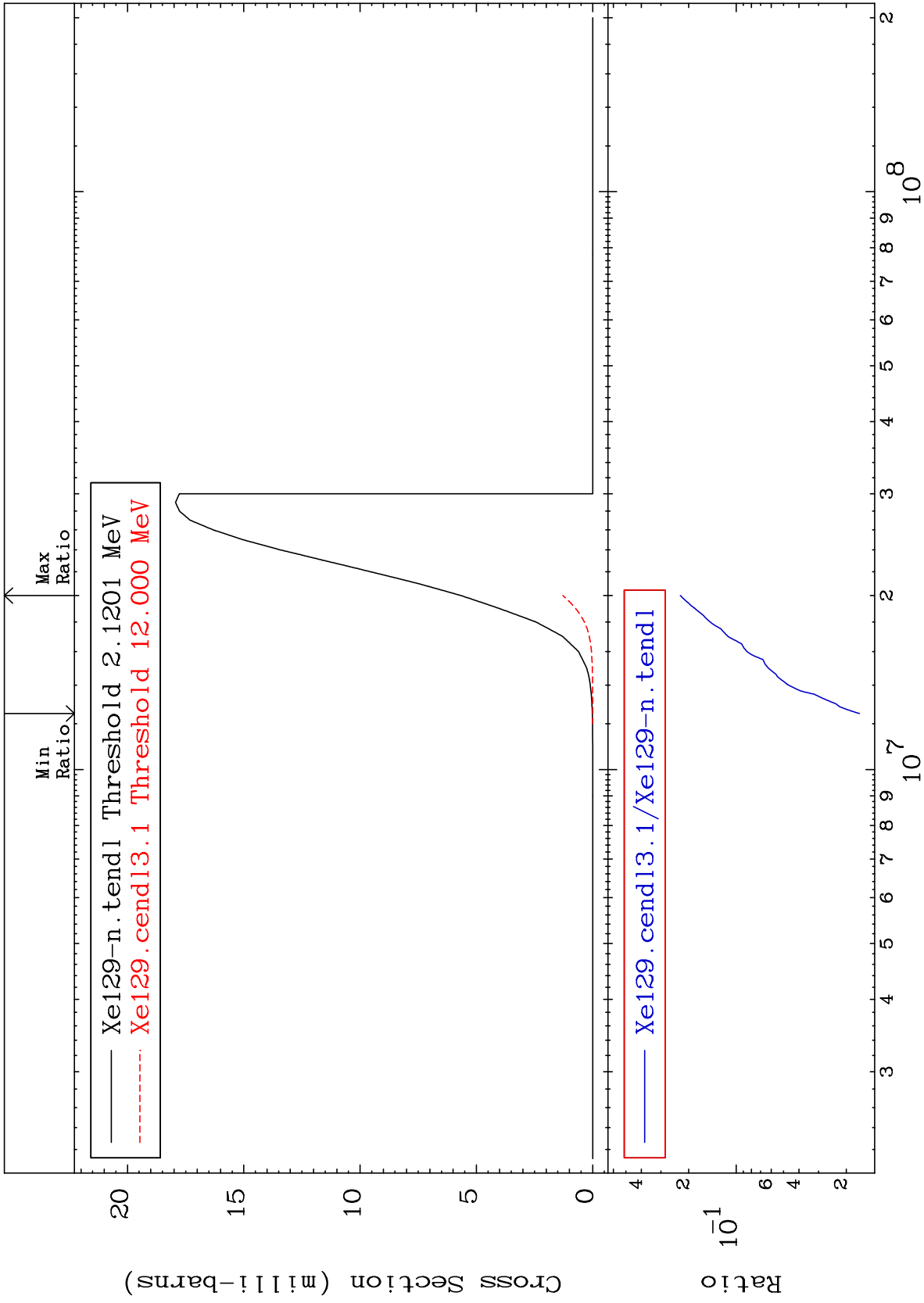
Incident Energy (eV)

54-Xe-129

MAT 5440

54-Xe-129
-98.35 To -77.41%

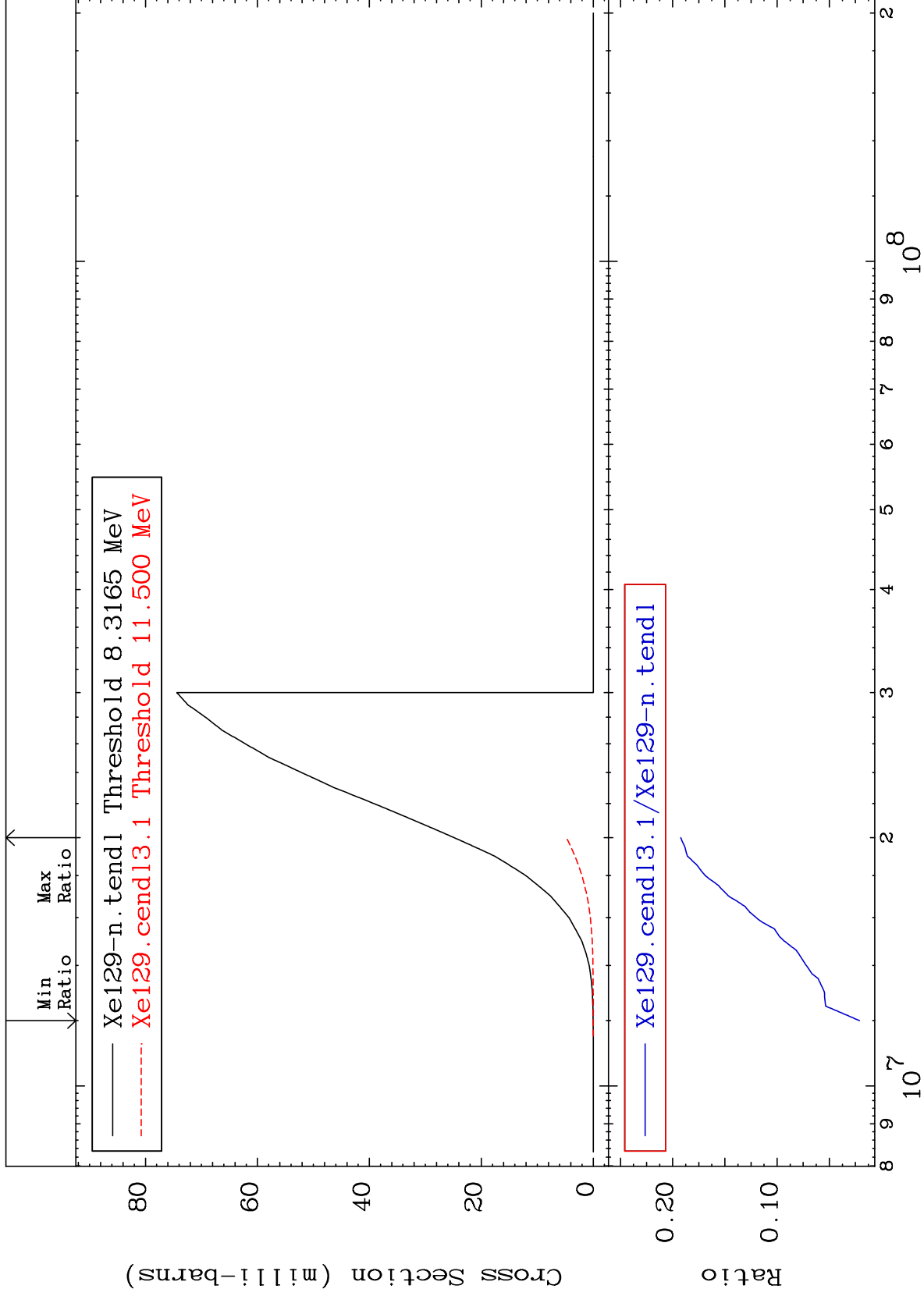
(n,n') α
Cross Section



MAT 5440

(n, n') p
Cross Section

54-Xe-129
-97.89 To -80.77%



7

Incident Energy (eV)

54-Xe-129

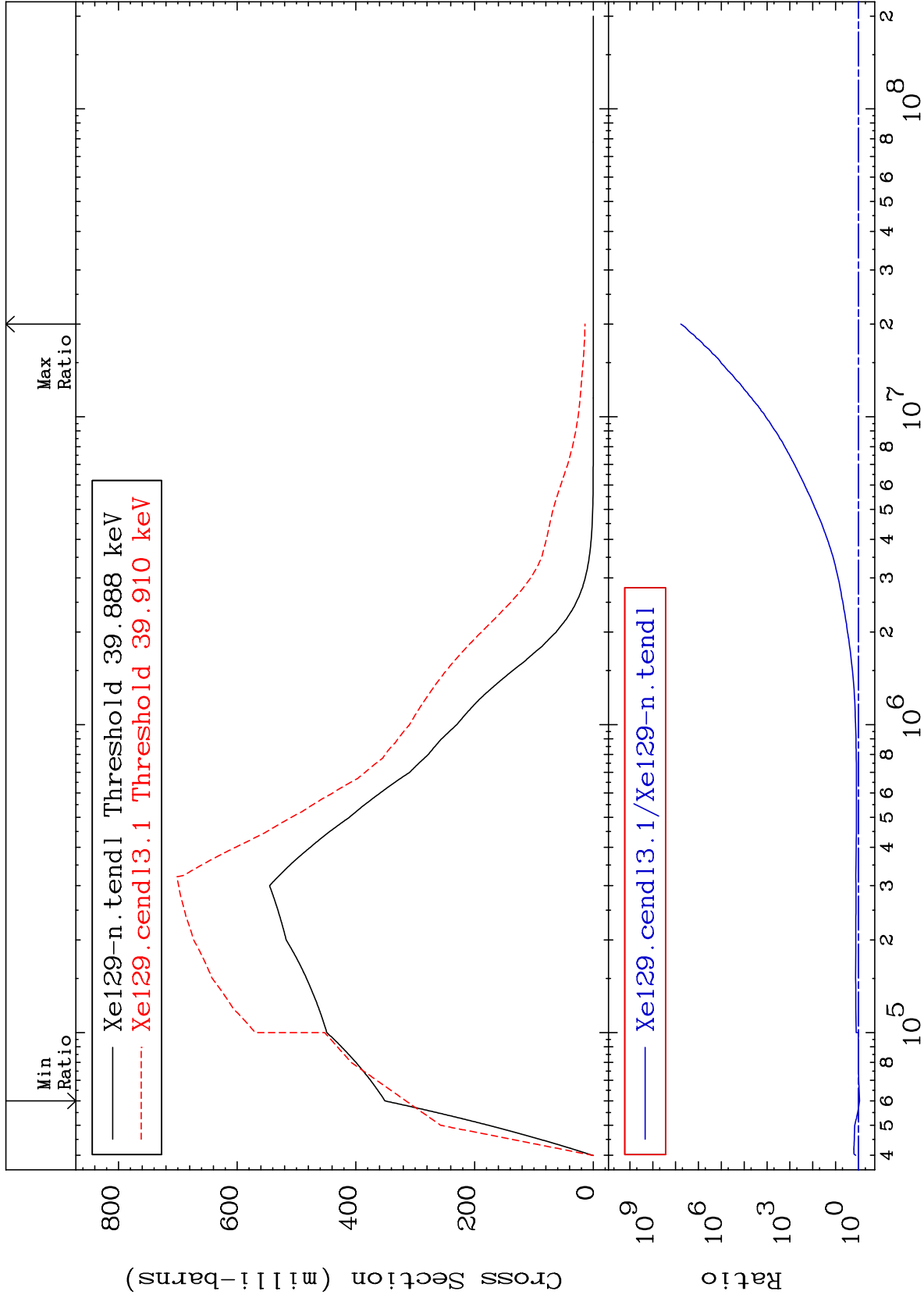
MAT 5440

39.58 keV (n,n') Level

54-Xe-129

-10.06 To 9999. %

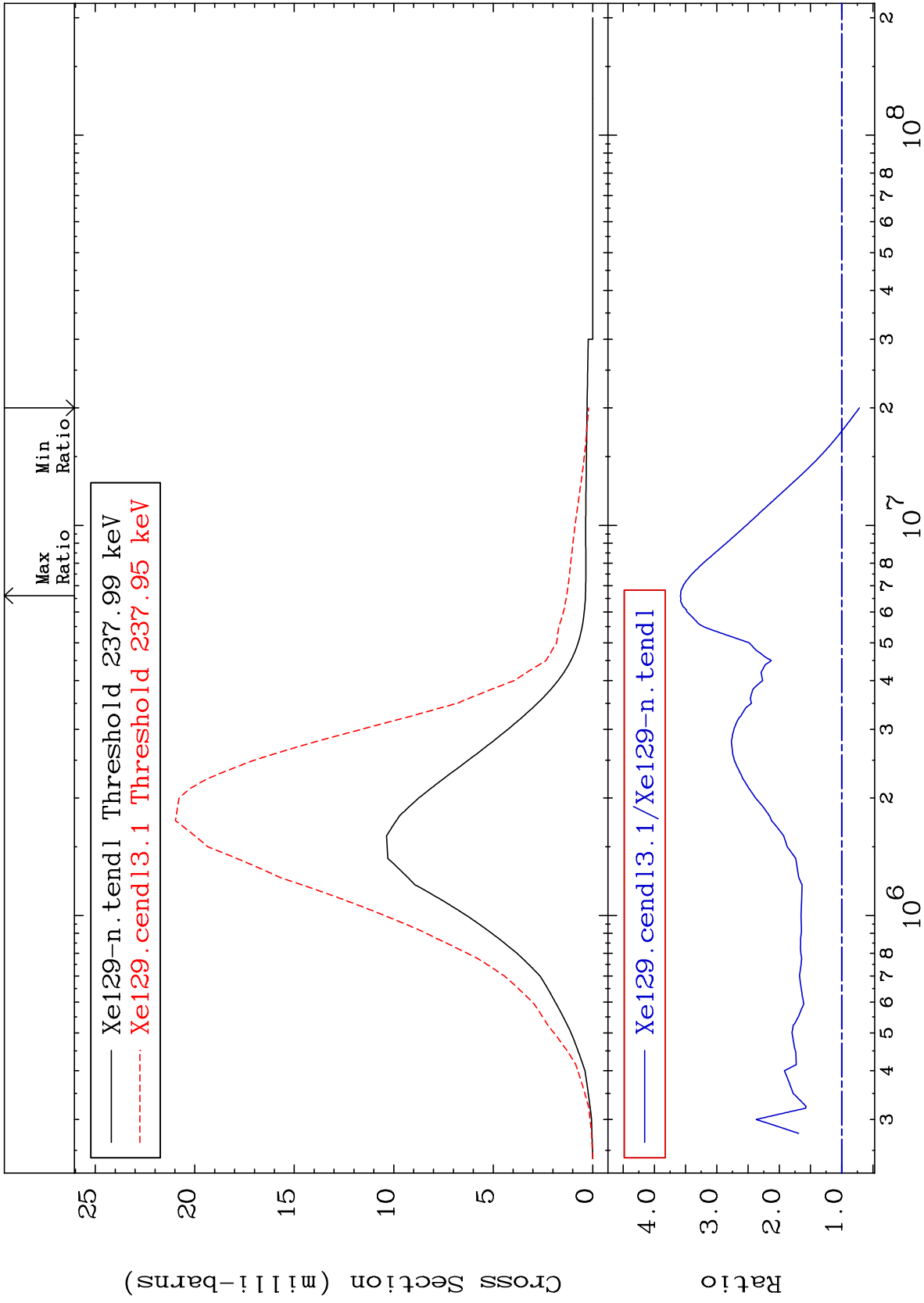
Cross Section



MAT 5440

236.1 keV (n,n') Level
Cross Section

54-Xe-129
-28.30 To 258.4 %



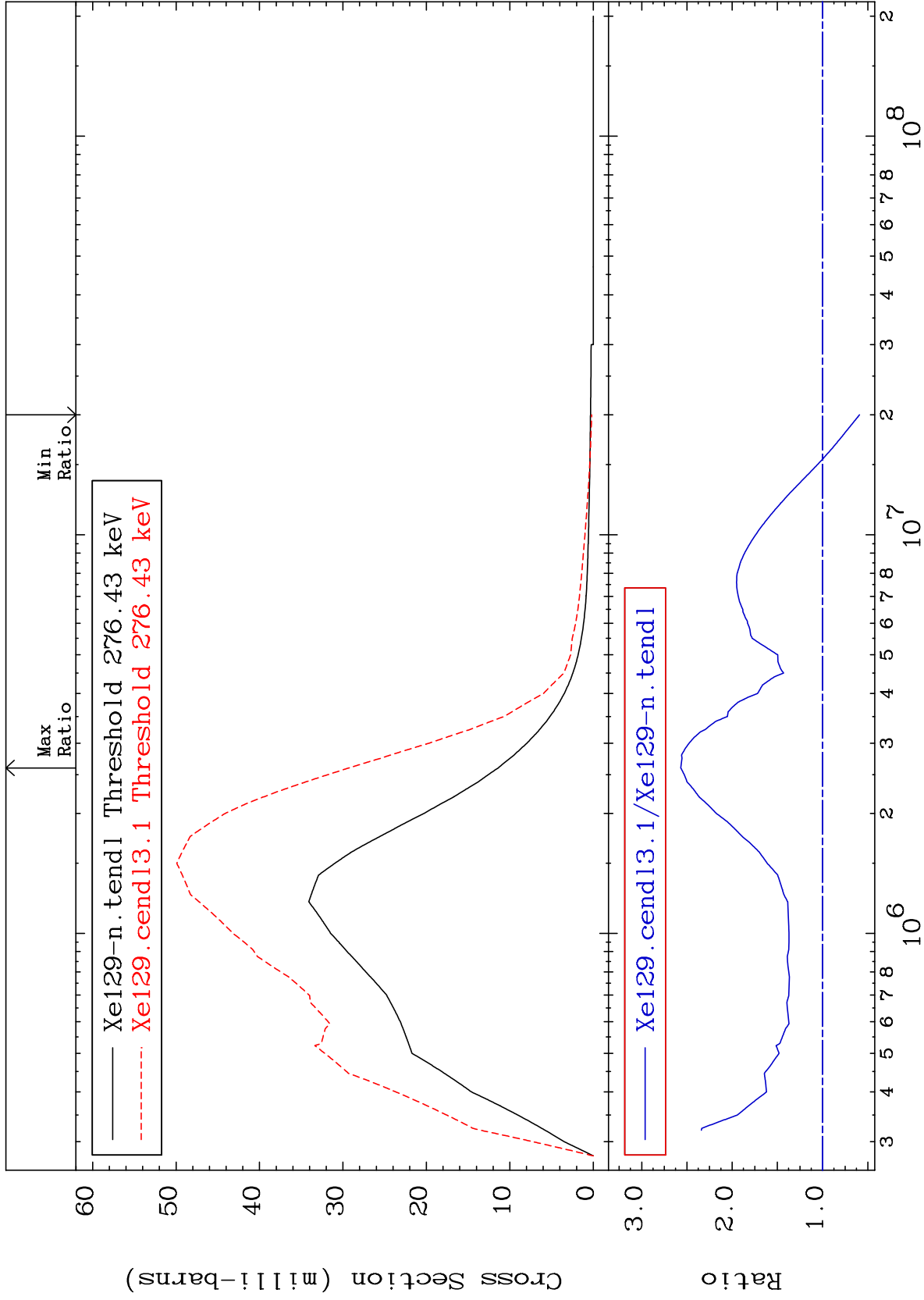
MAT 5440

274.3 keV (n,n') Level

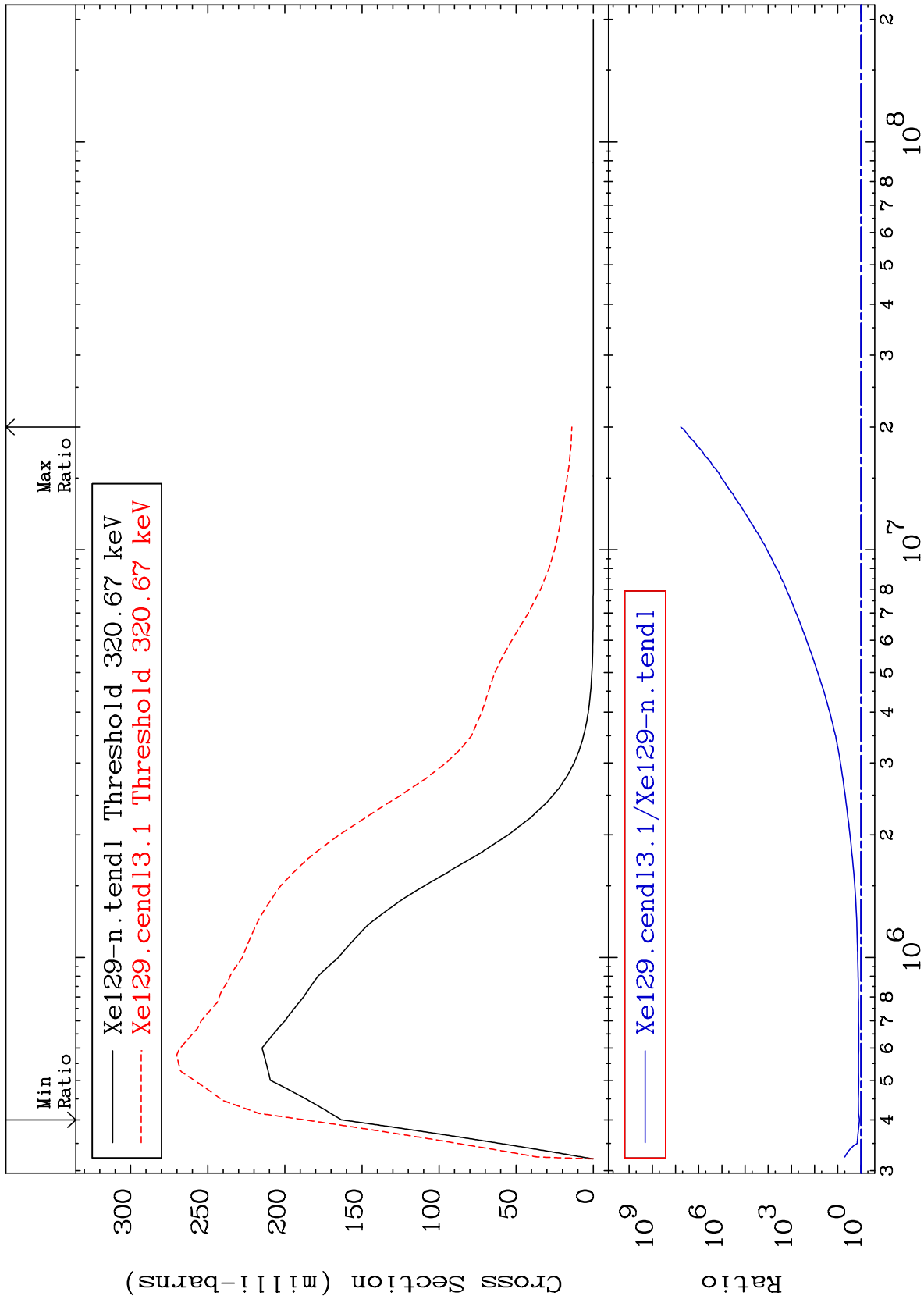
54-Xe-129

-40.90 To 156.8 %

Cross Section



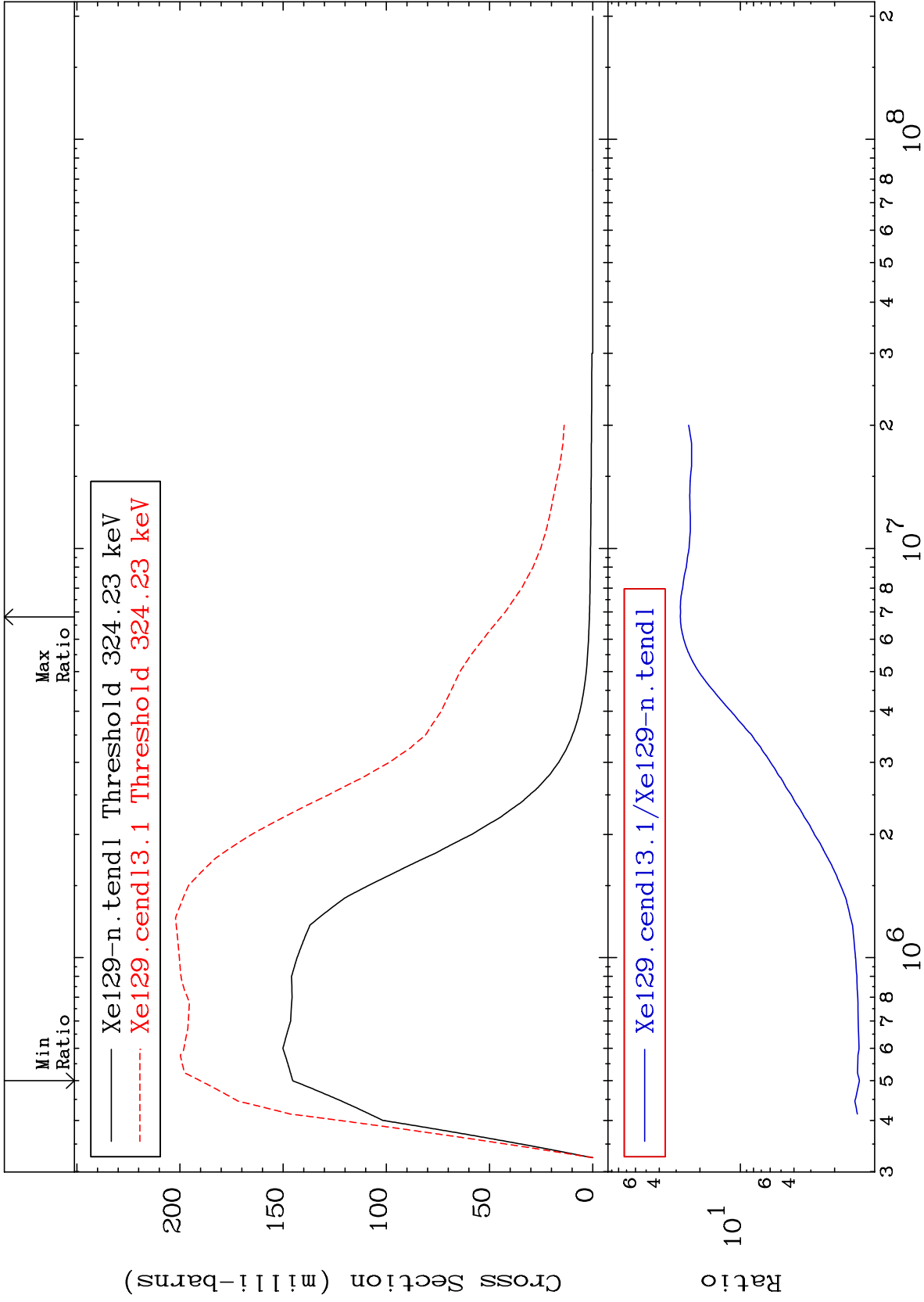
MAT 5440 318.2 keV (n,n') Level 54-Xe-129
 Cross Section 14.77 To 9999. %



MAT 5440

321.7 keV (n,n') Level
Cross Section

54-Xe-129
30.81 To 2689. %



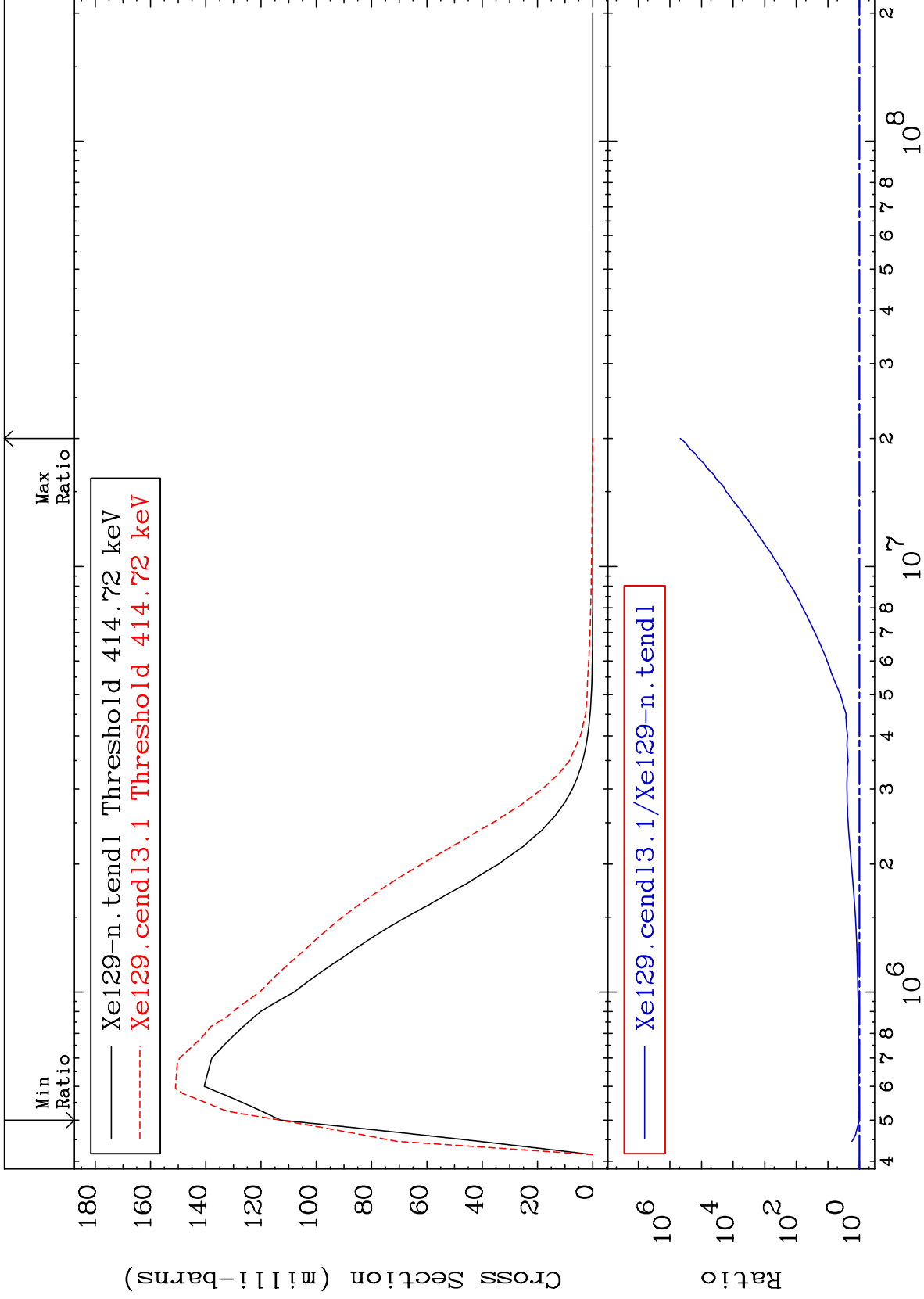
12

54-Xe-129

MAT 5440

411.5 keV (n,n') Level
Cross Section

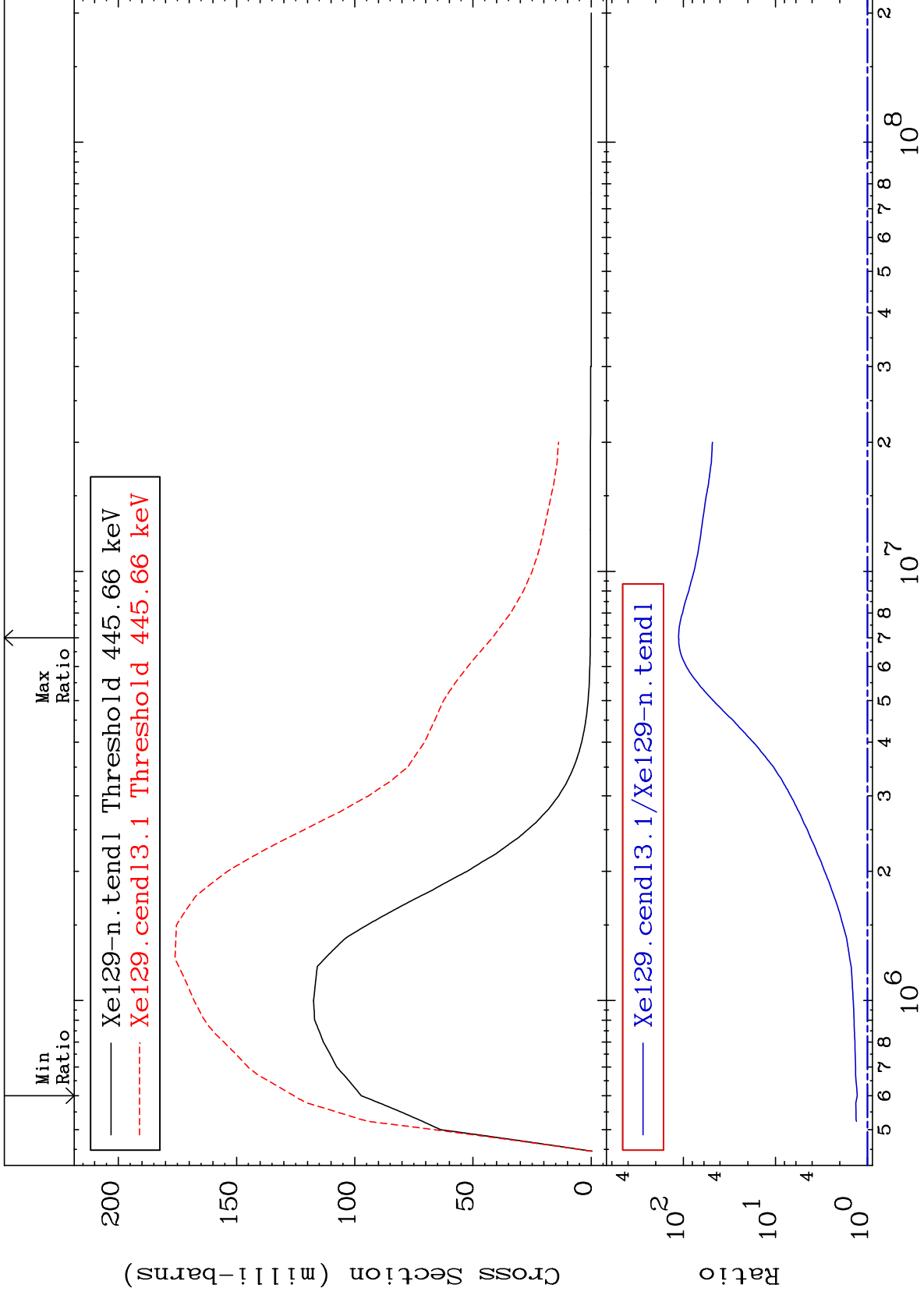
54-Xe-129
0.215 To 9999. %



MAT 5440

442.2 keV (n,n') Level
Cross Section

54-Xe-129
29.35 To 9999. %



14

Incident Energy (eV)

54-Xe-129

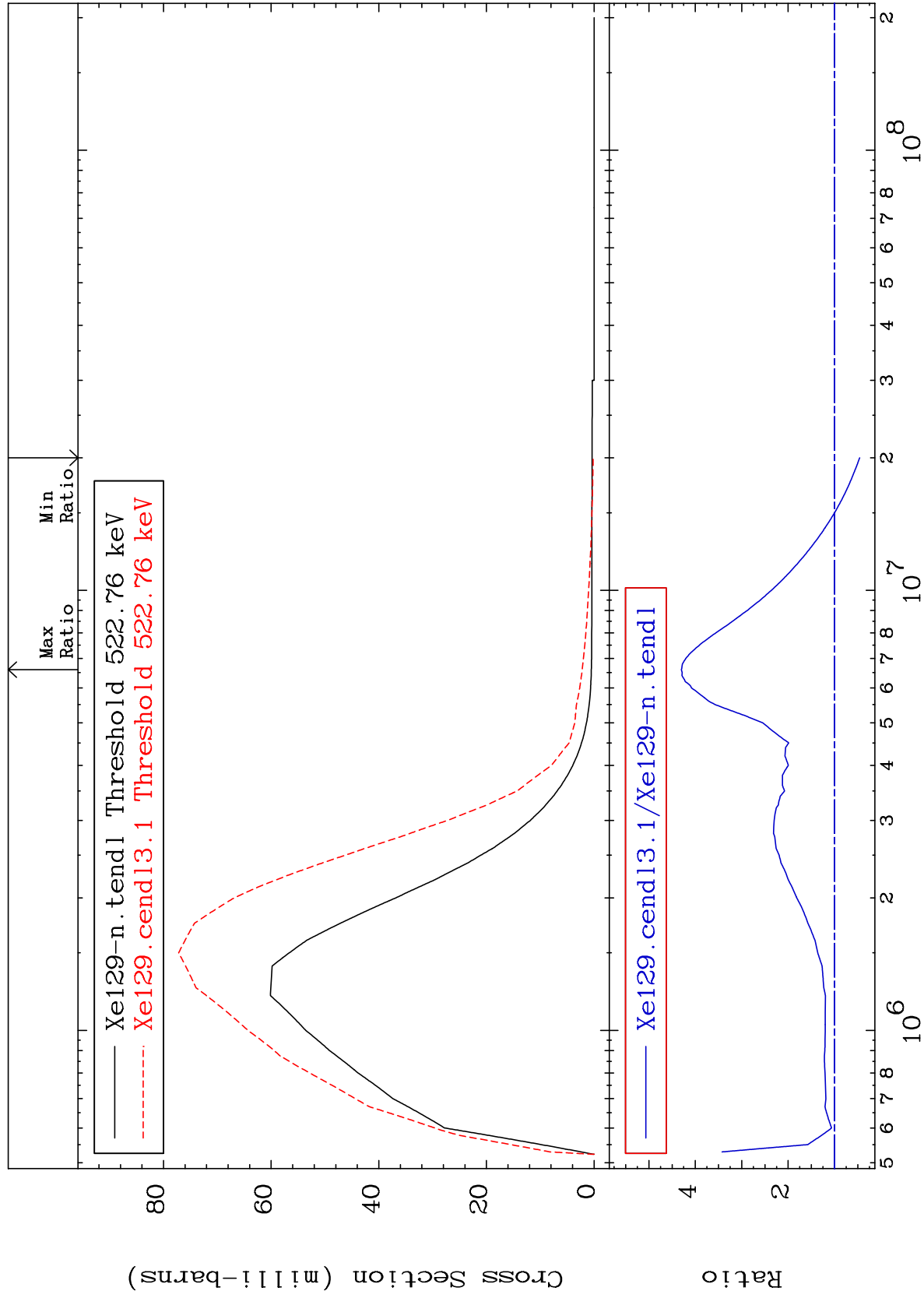
MAT 5440

518.7 keV (n,n') Level

54-Xe-129

-54.16 To 330.0 %

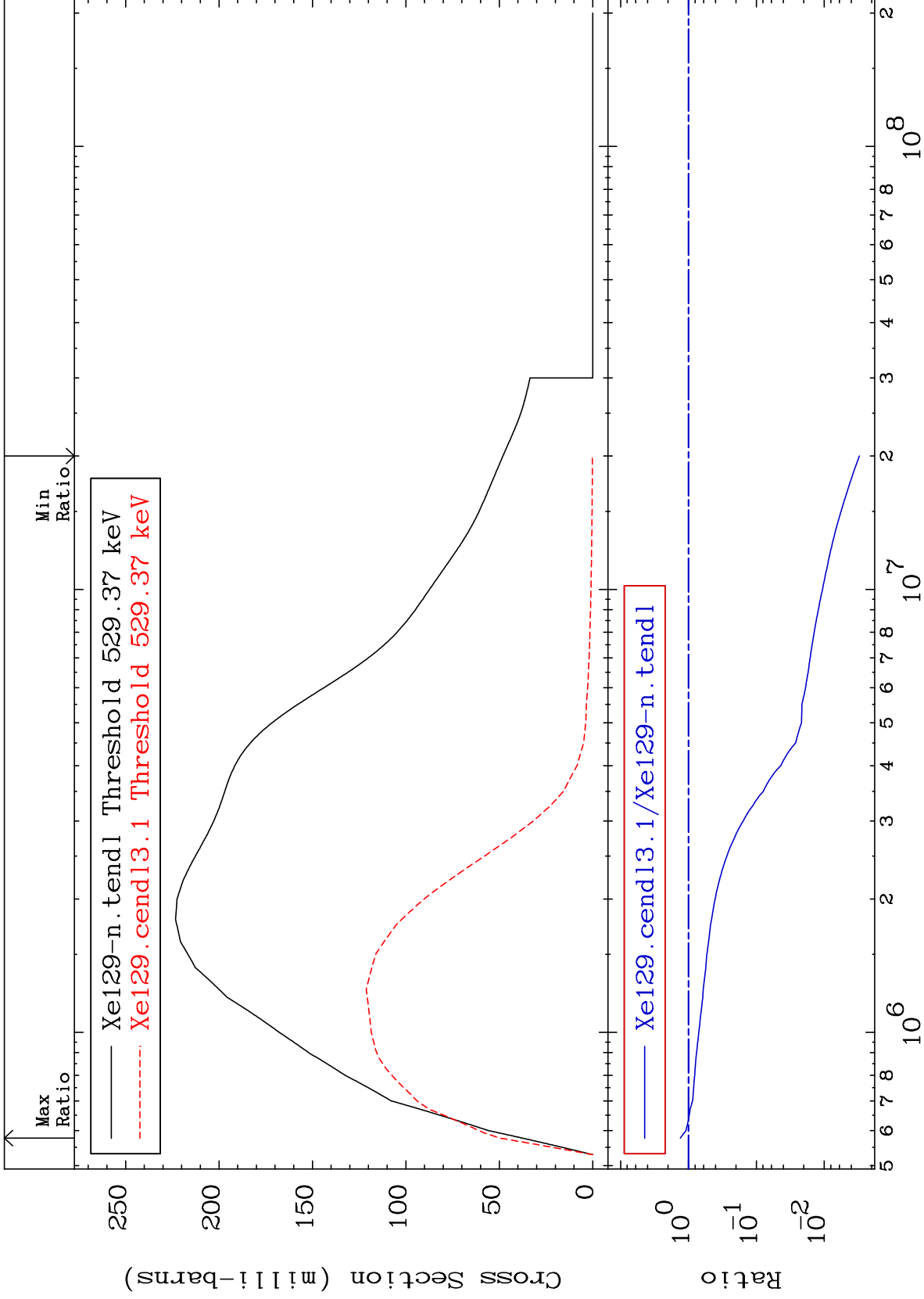
Cross Section



MAT 5440

525.3 keV (n,n') Level
Cross Section

54-Xe-129
-99.70 To 31.84 %



16

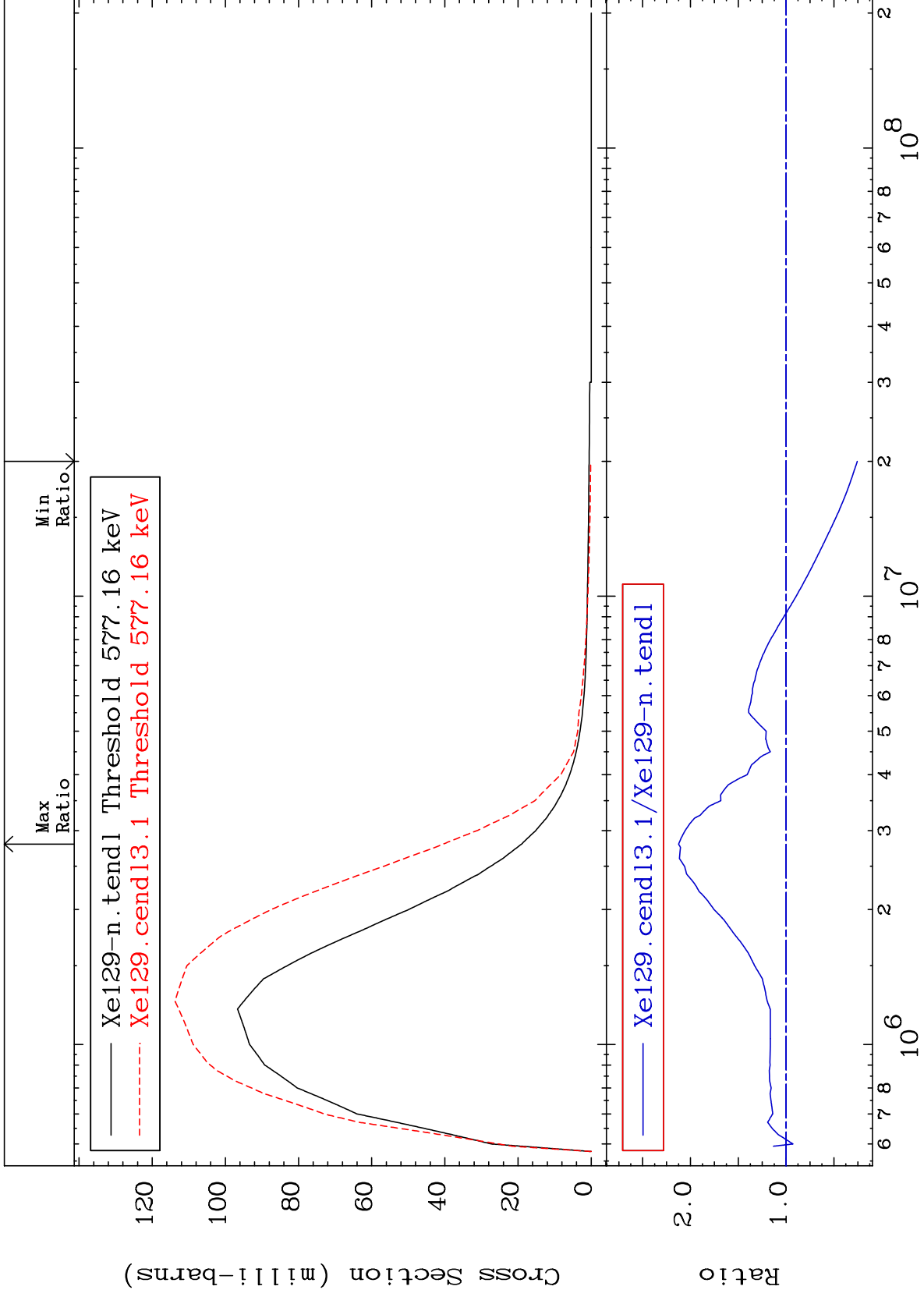
Incident Energy (eV)

54-Xe-129

MAT 5440

572.7 keV (n,n') Level
Cross Section

54-Xe-129
-74.41 To 112.4 %



17

Incident Energy (eV)

54-Xe-129

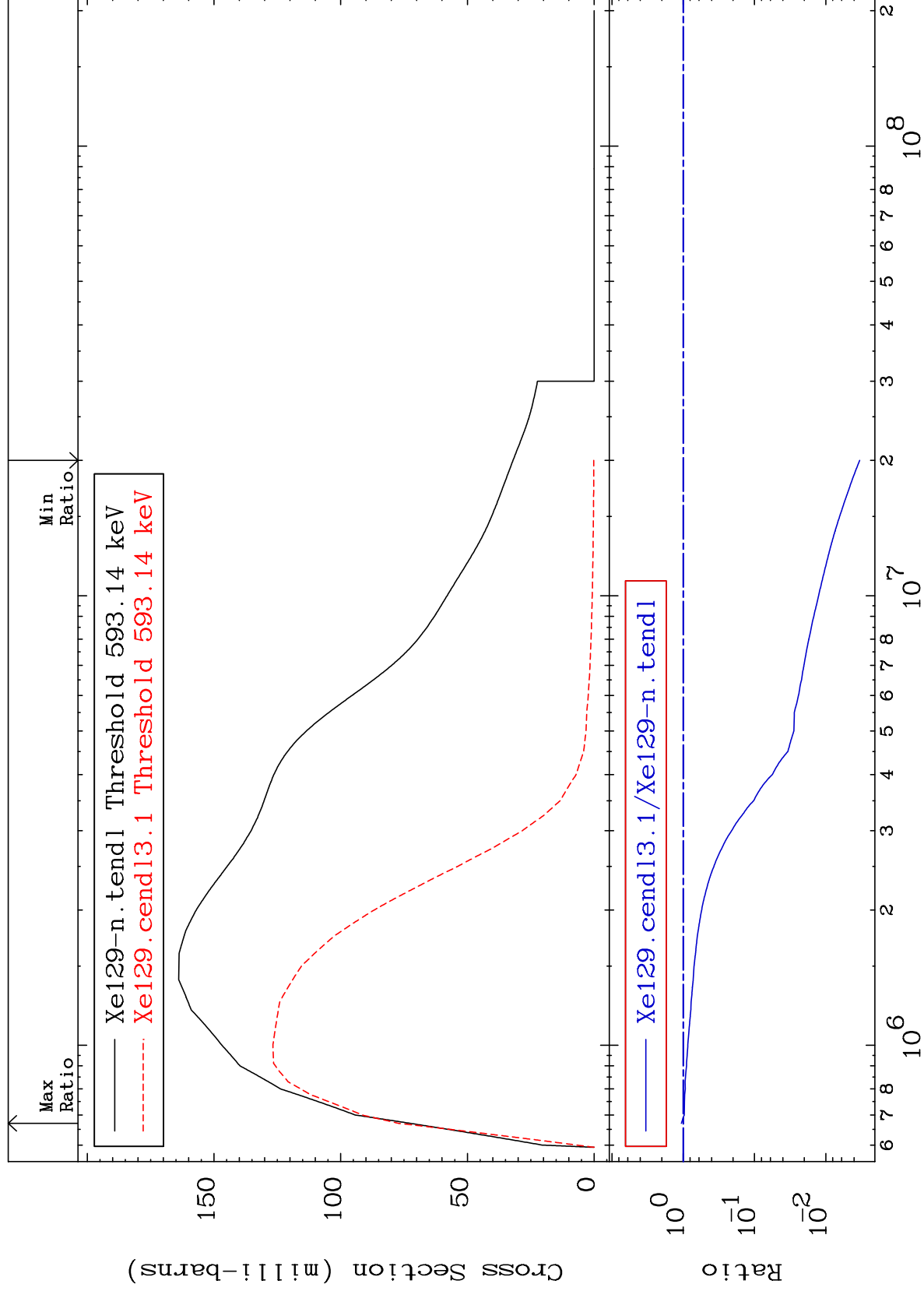
MAT 5440

588.5 keV (n,n') Level

54-Xe-129

-99.67 To 6.174 %

Cross Section



18

Incident Energy (eV)

54-Xe-129

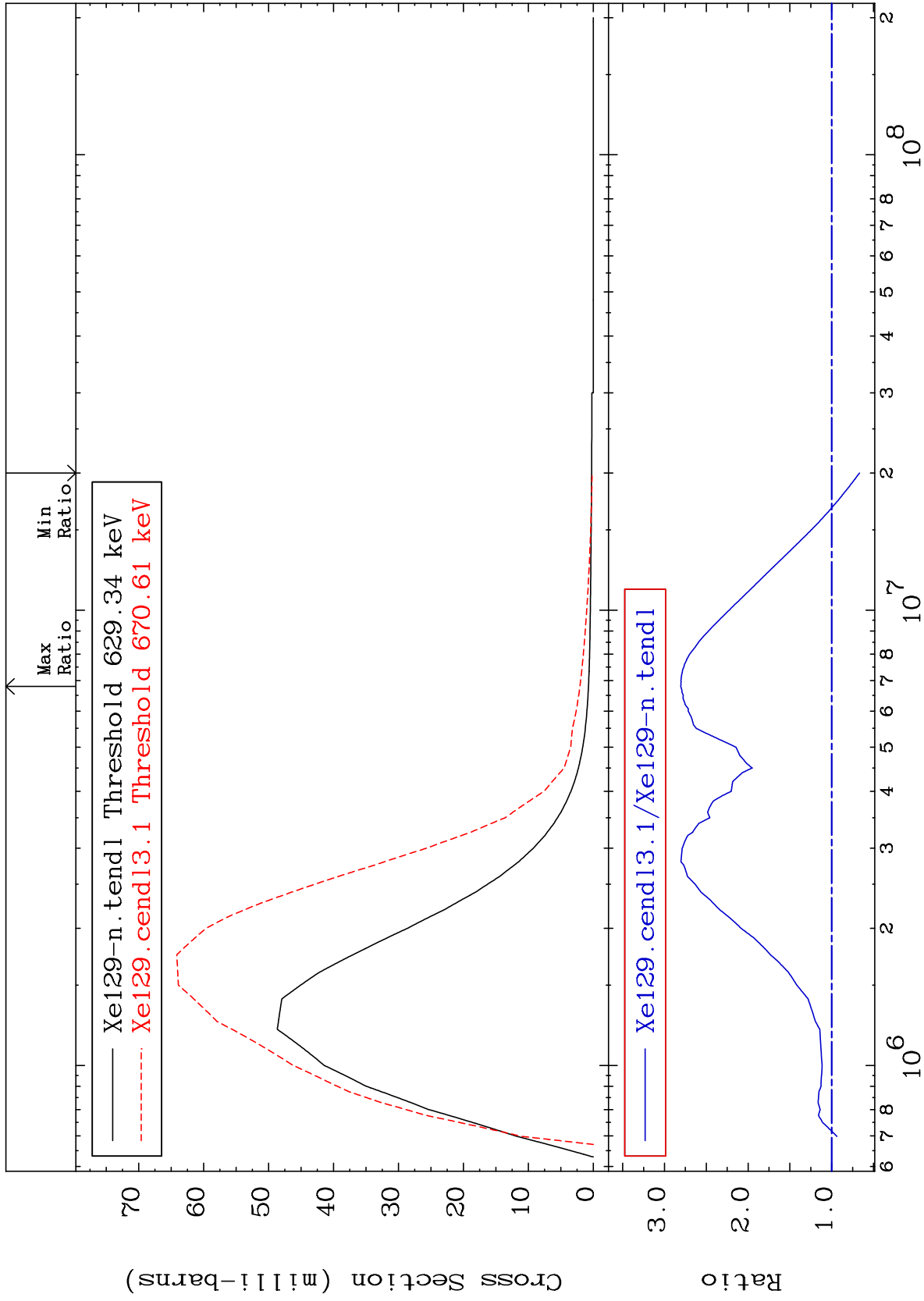
MAT 5440

624.4 keV (n,n') Level

54-Xe-129

-33.30 To 180.5 %

Cross Section



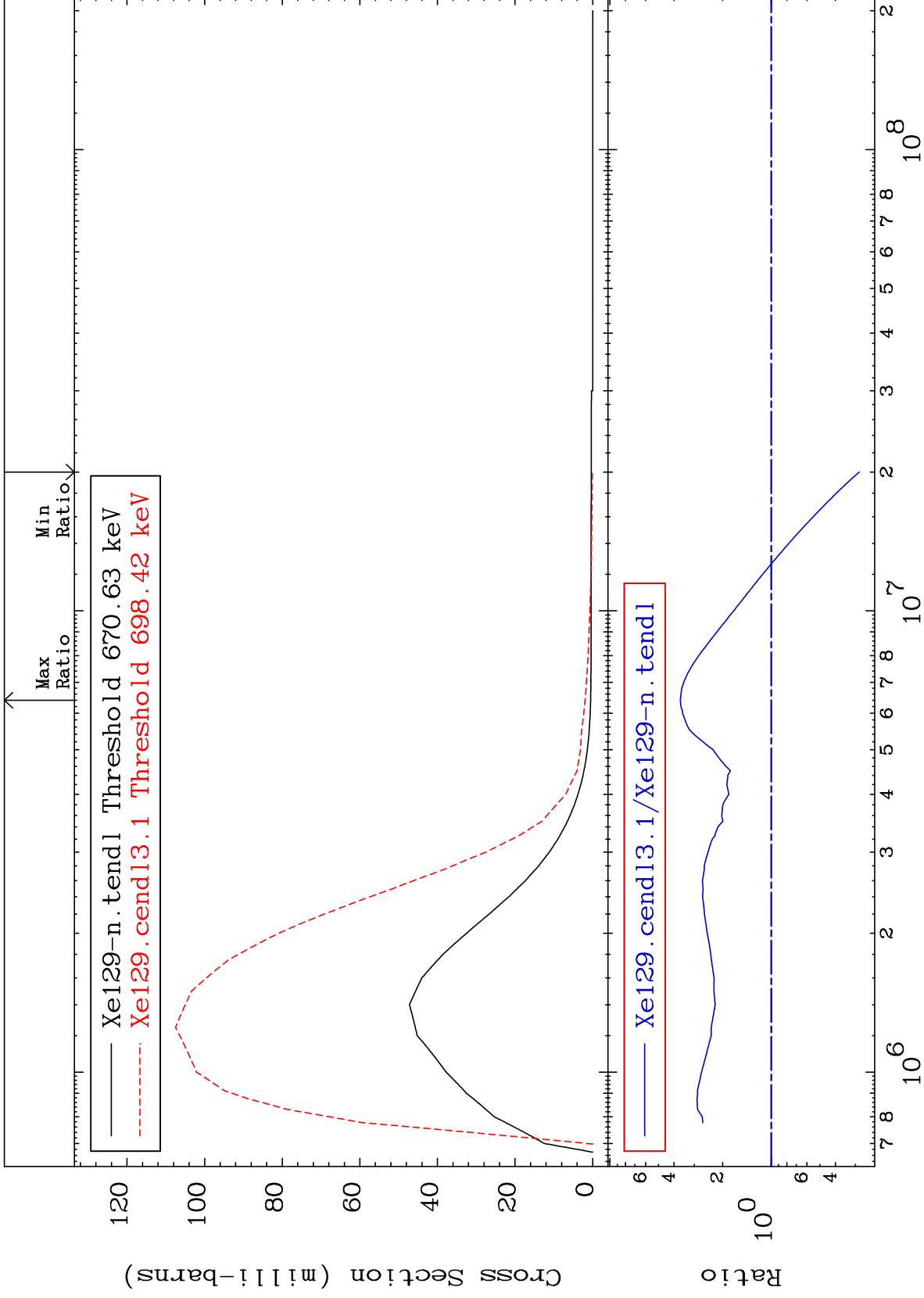
19

54-Xe-129

MAT 5440

665.4 keV (n,n') Level
Cross Section

54-Xe-129
-71.64 To 265.6 %



20

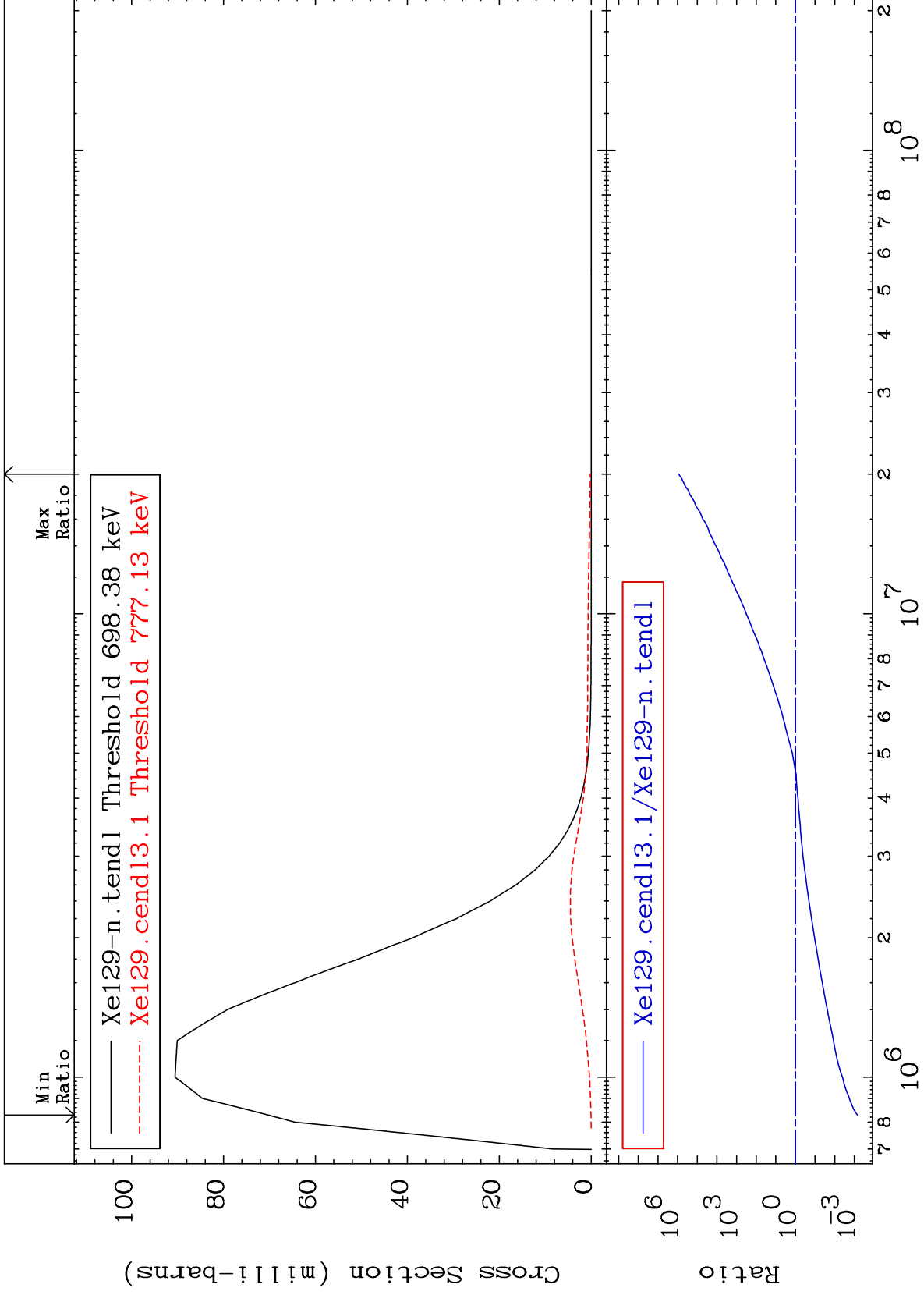
Incident Energy (eV)

54-Xe-129

MAT 5440

693.0 keV (n,n') Level
Cross Section

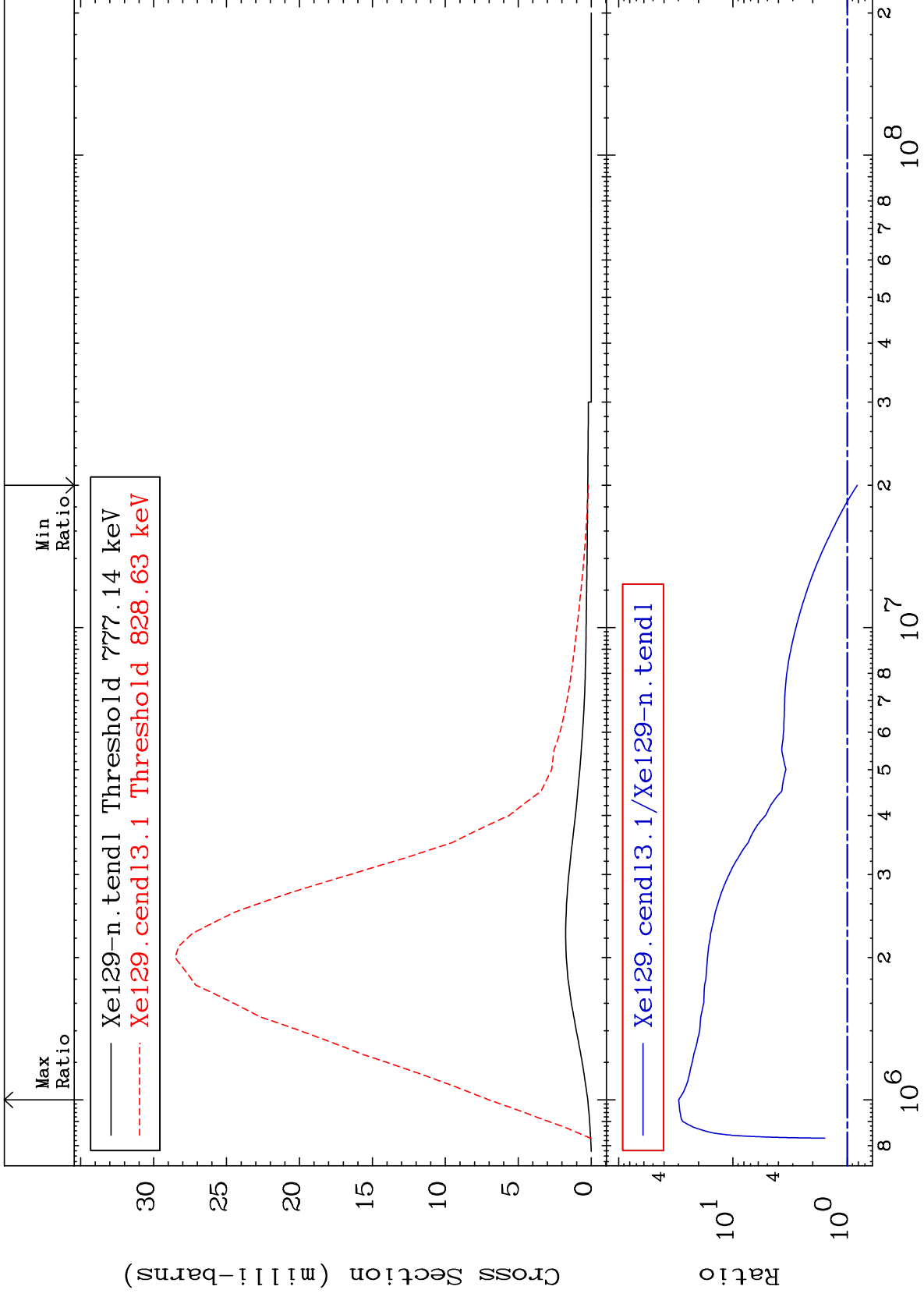
54-Xe-129
-99.93 To 9999. %



MAT 5440

771.1 keV (n,n') Level
Cross Section

54-Xe-129
-18.30 To 2883. %



22

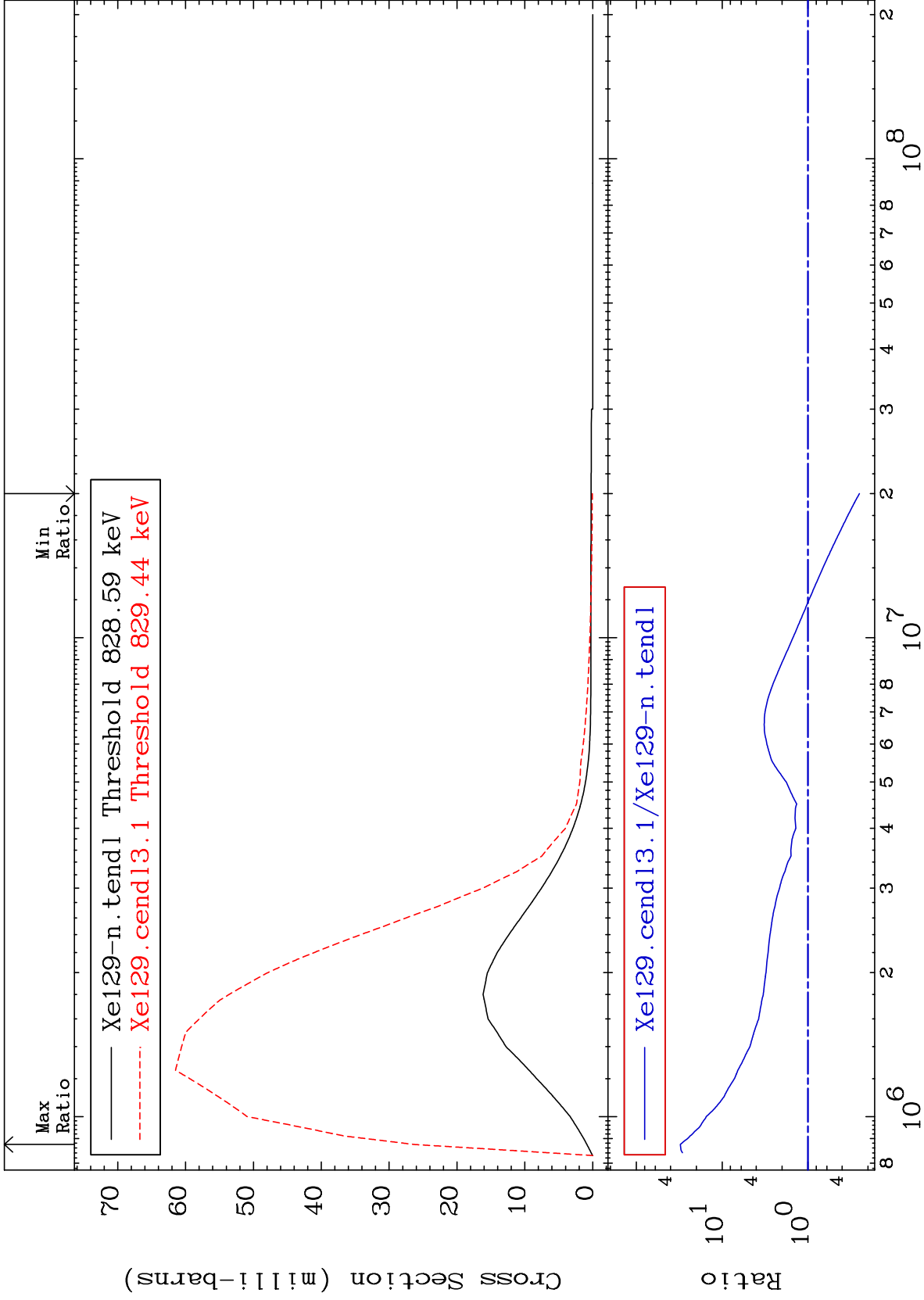
Incident Energy (eV)

54-Xe-129

MAT 5440

822.2 keV (n,n') Level
Cross Section

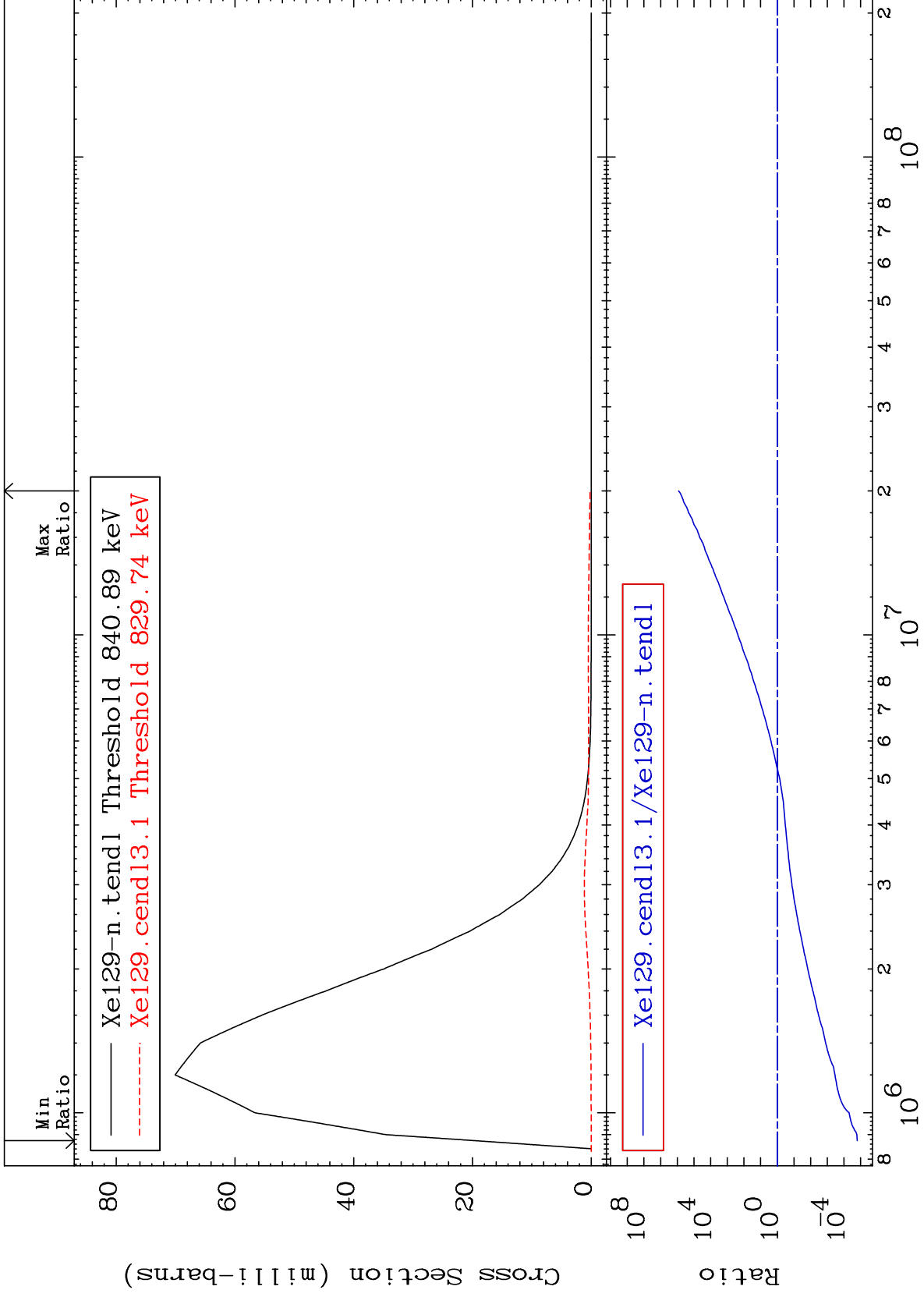
54-Xe-129
-74.89 To 2969. %



MAT 5440

834.4 keV (n,n') Level
Cross Section

54-Xe-129
-100.0 To 9999. %



24

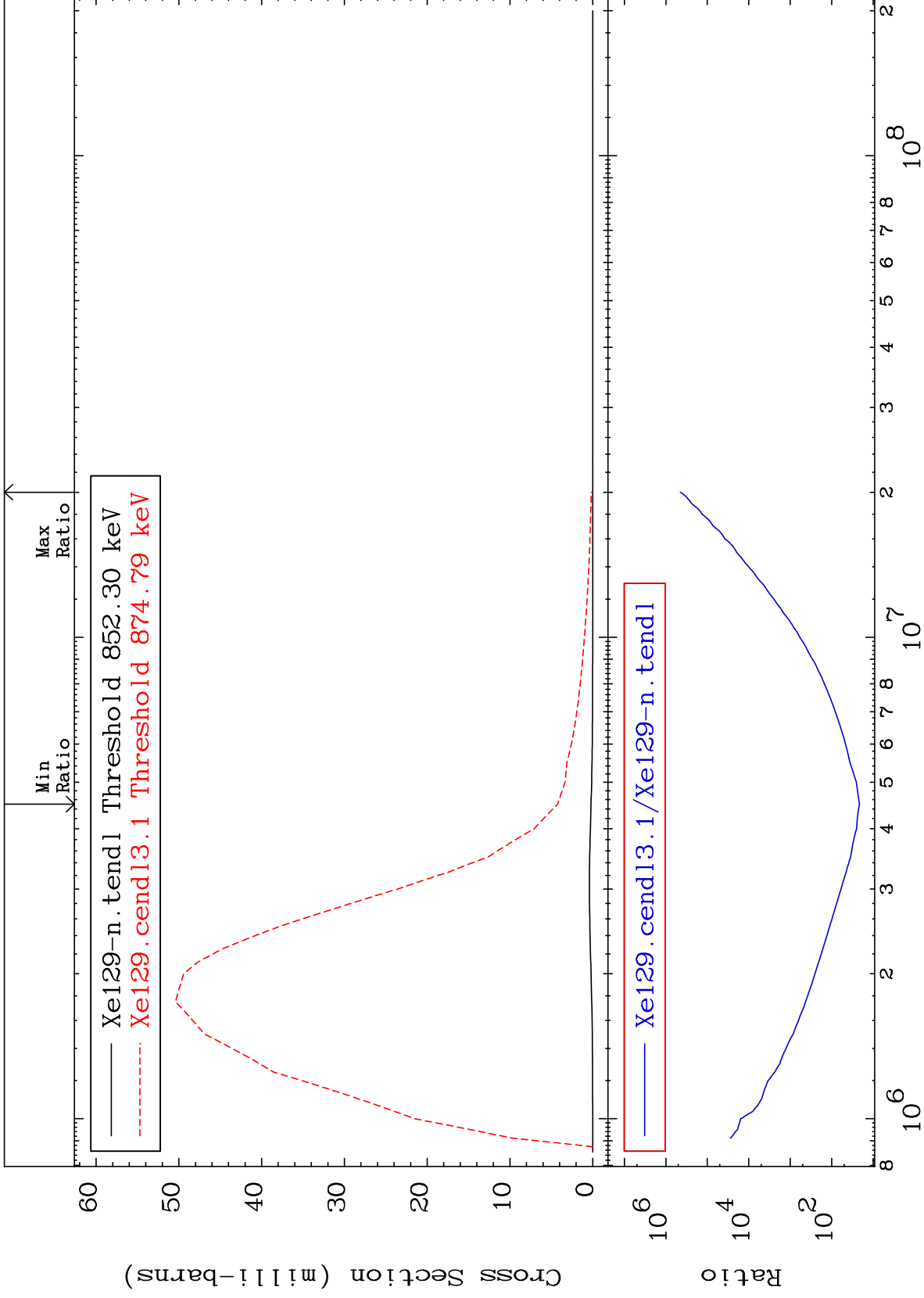
Incident Energy (eV)

54-Xe-129

MAT 5440

845.7 keV (n,n') Level
Cross Section

54-Xe-129
2046. To 9999. %



25

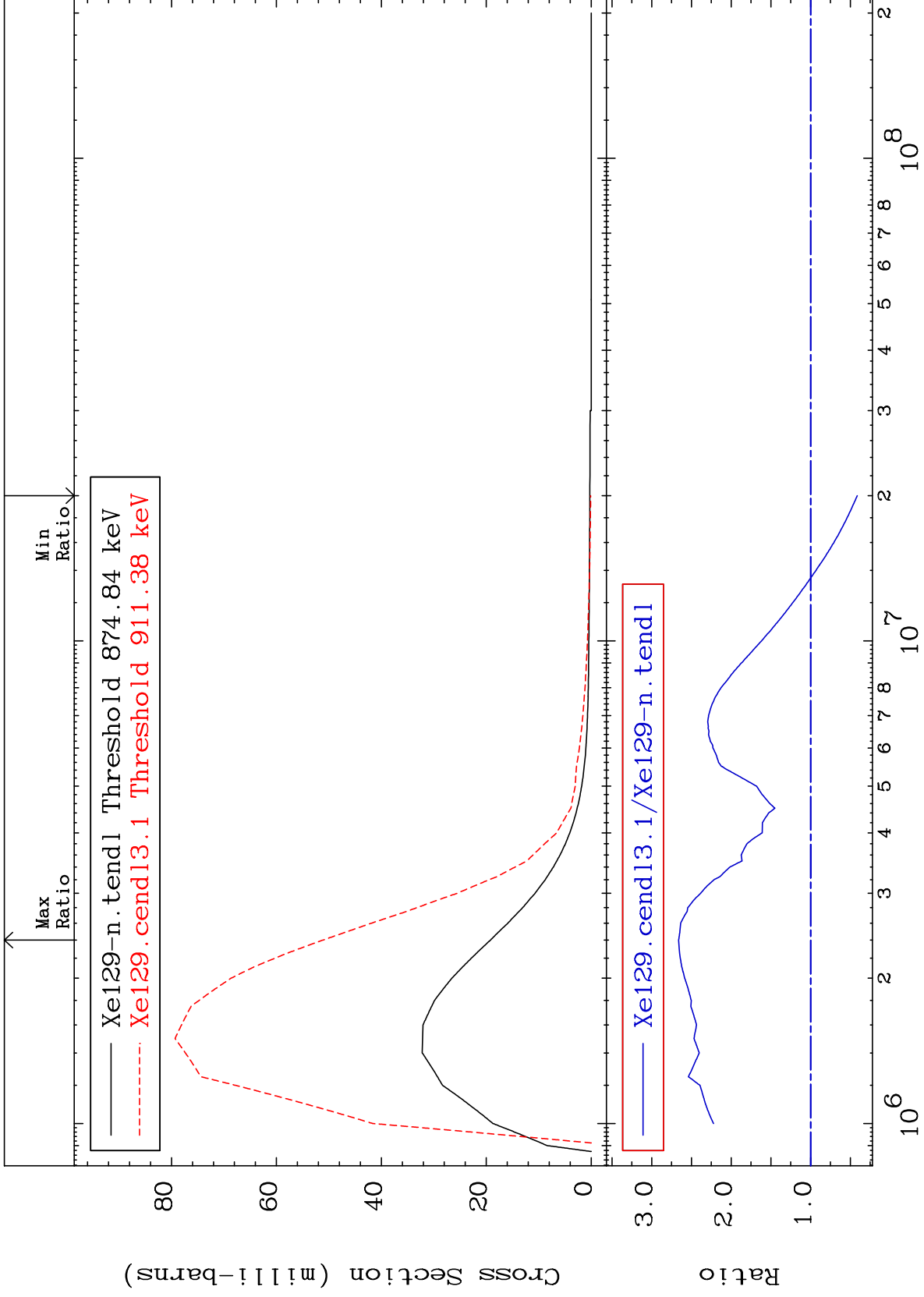
Incident Energy (eV)

54-Xe-129

MAT 5440

868.1 keV (n,n') Level
Cross Section

54-Xe-129
-58.68 To 166.2 %



26

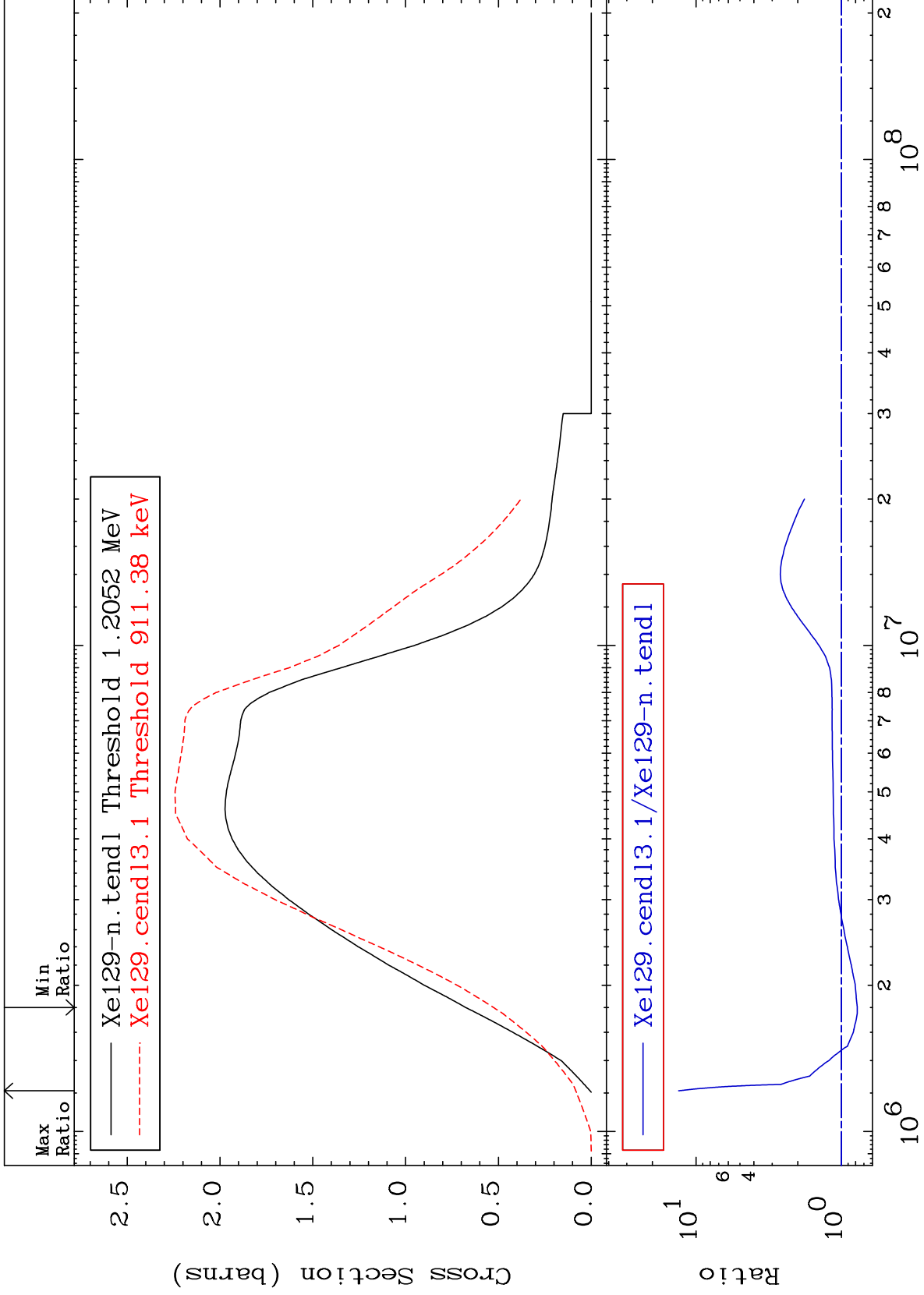
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, n') Continuum
Cross Section

54-Xe-129
-22.19 To 1220. %



27

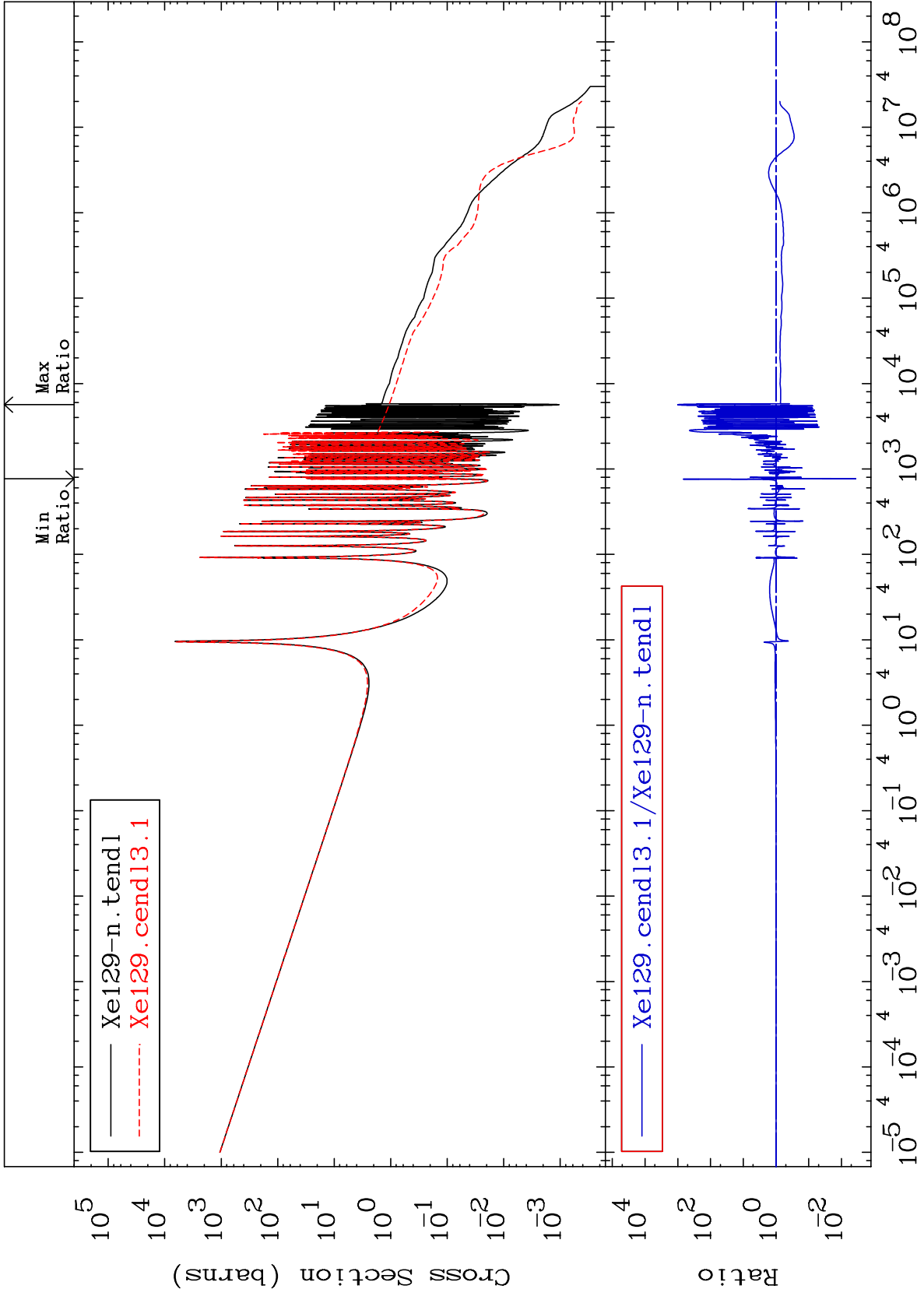
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, γ)
Cross Section

54-Xe-129
-99.63 To 9999. %



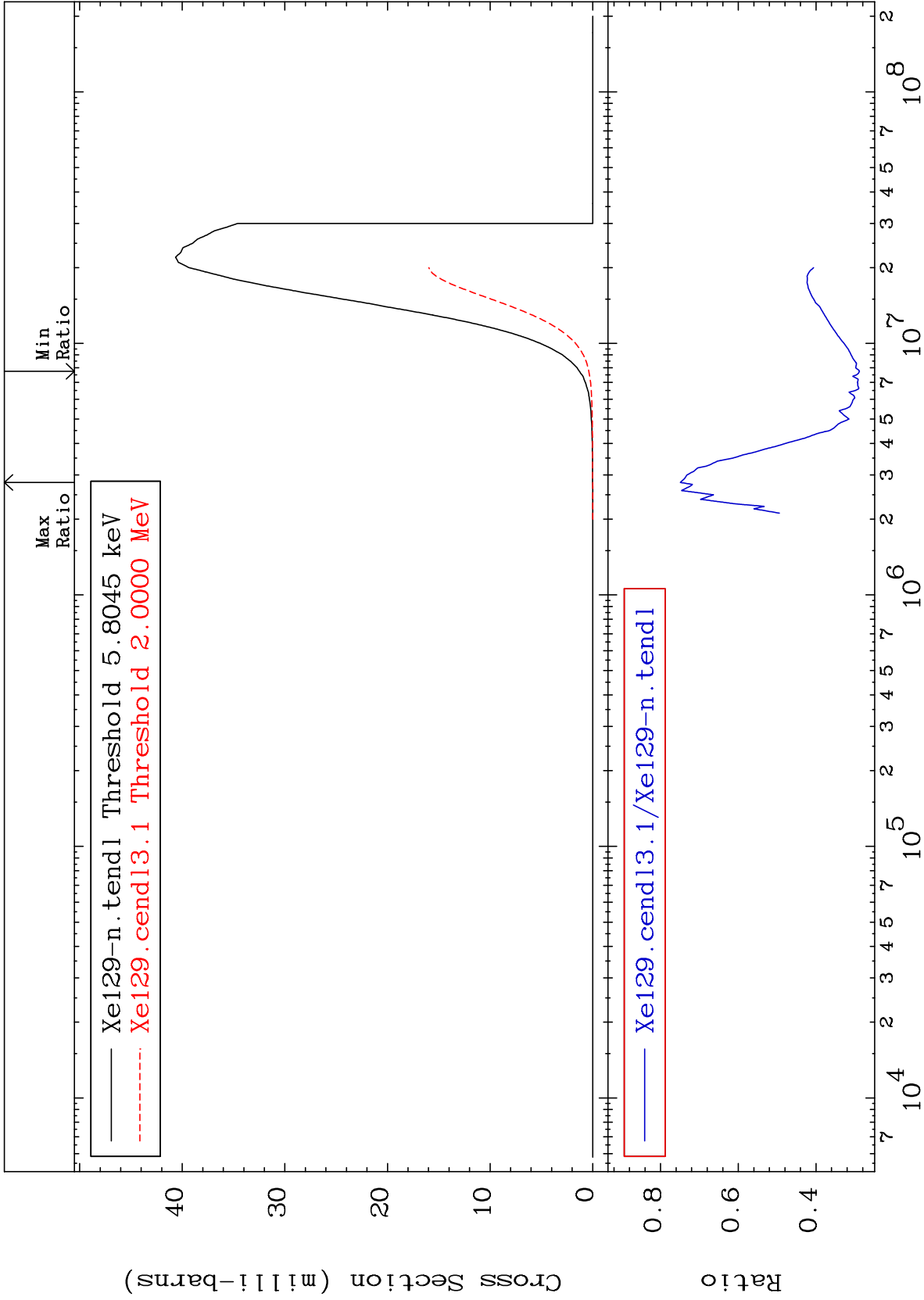
MAT 5440

(n, p)

54-Xe-129

Cross Section

-71.17 To -25.09%



MAT 5440

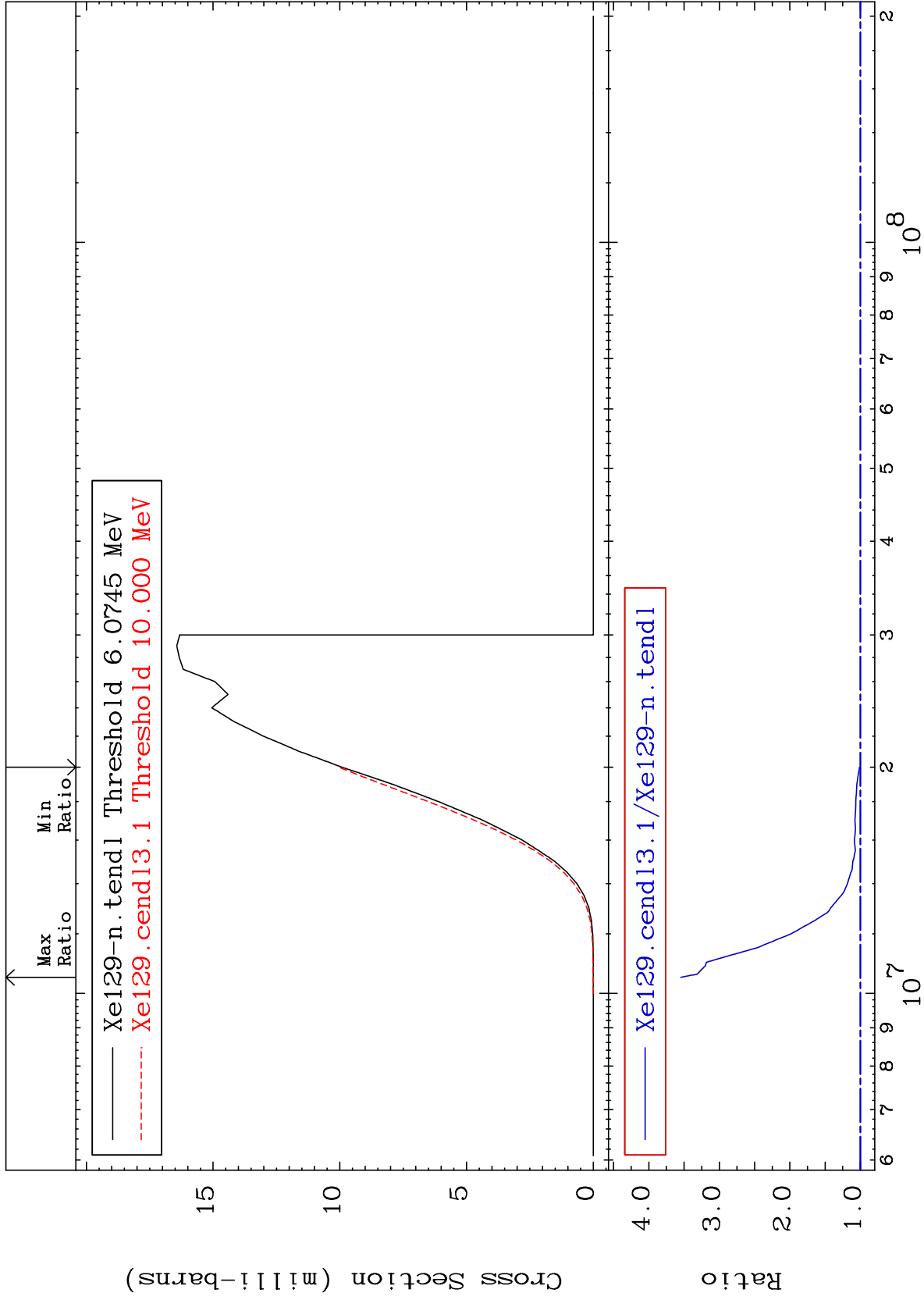
(n, d)

54-Xe-129

Cross Section

1.199

To 254.7 %



30

Incident Energy (eV)

54-Xe-129

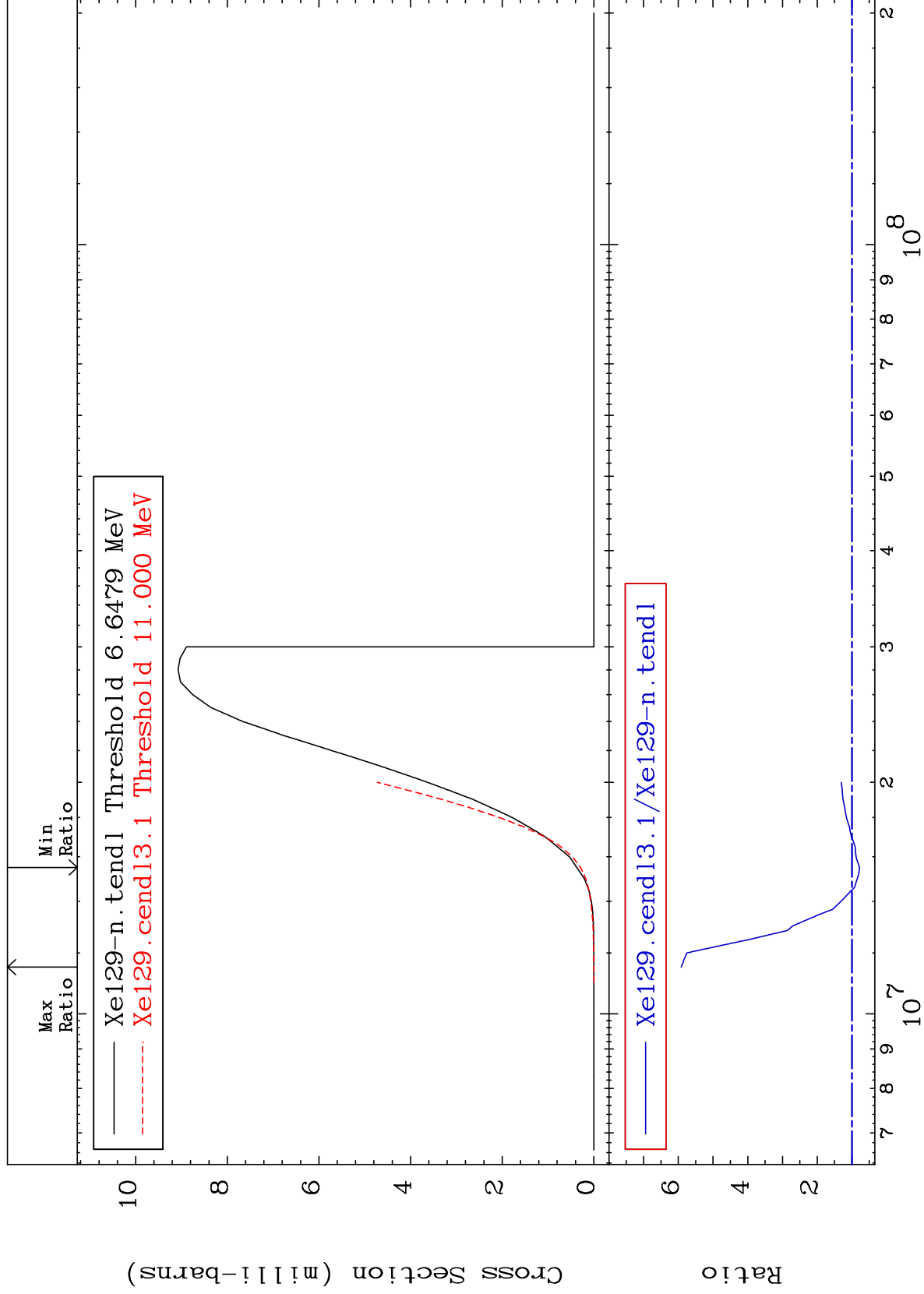
MAT 5440

(n, t)

54-Xe-129

Cross Section

-22.29 To 491.7 %



31

Incident Energy (eV)

54-Xe-129

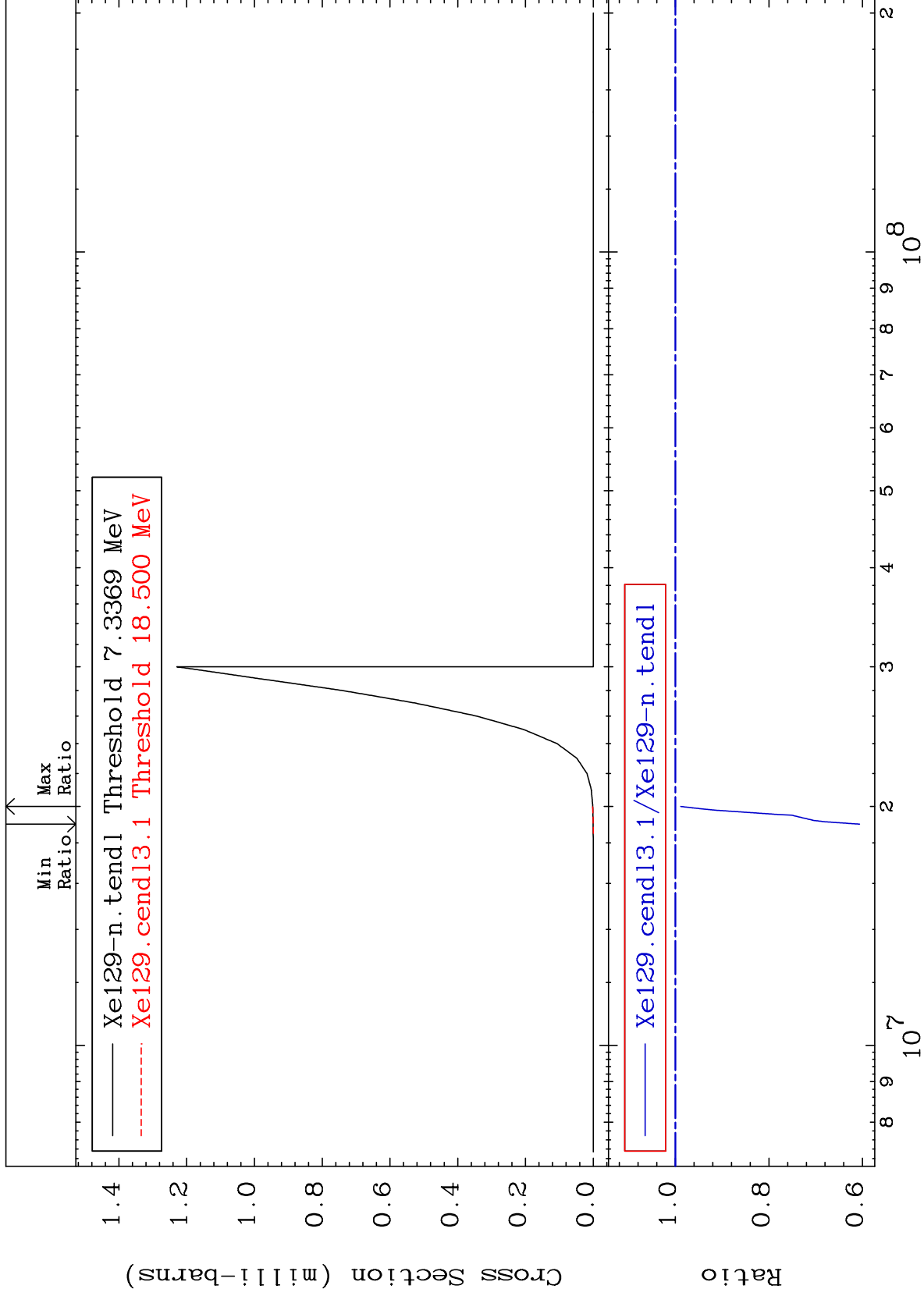
MAT 5440

(n, He-3)

54-Xe-129

Cross Section

-39.37 To -1.149%



32

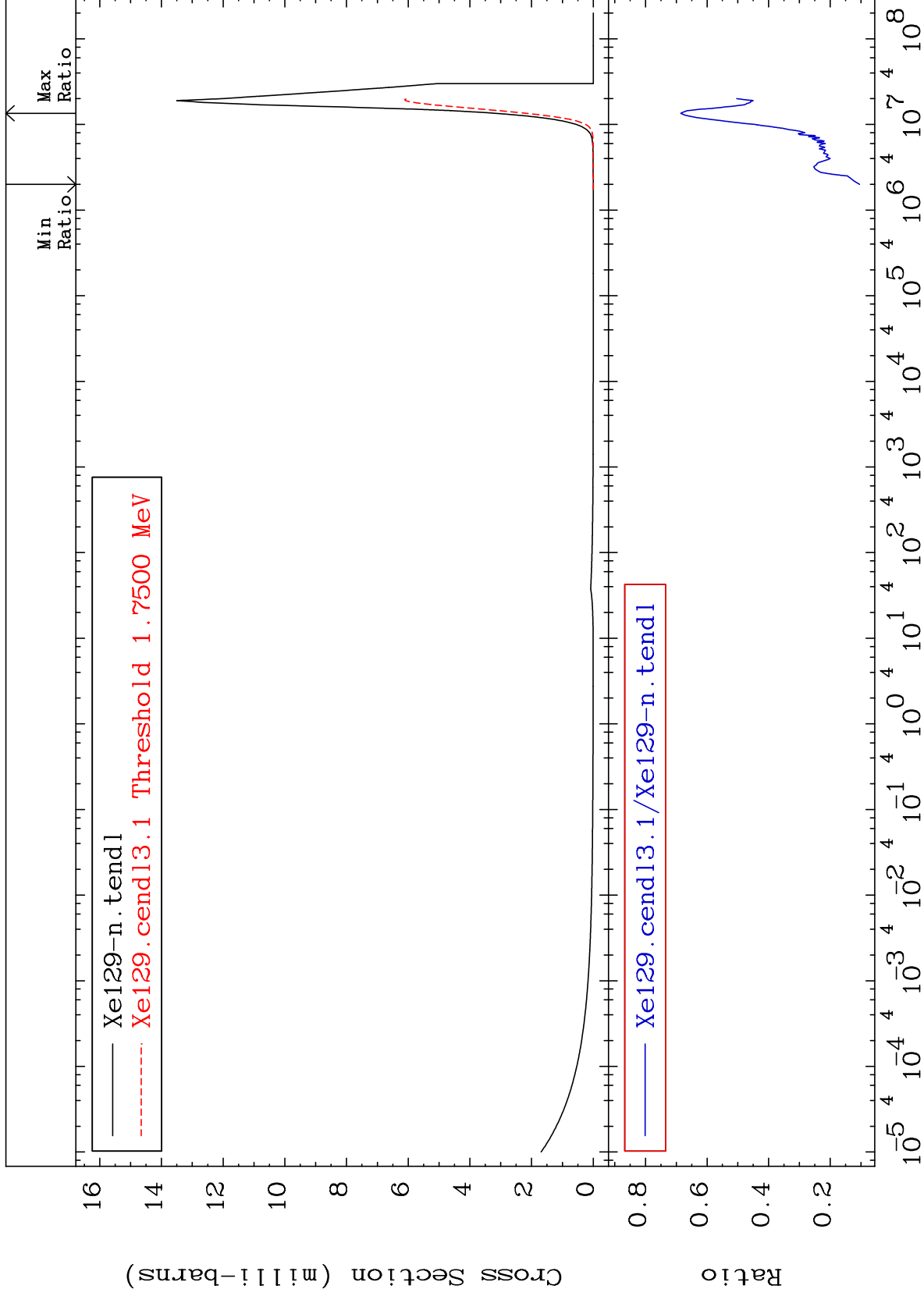
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, α)
Cross Section

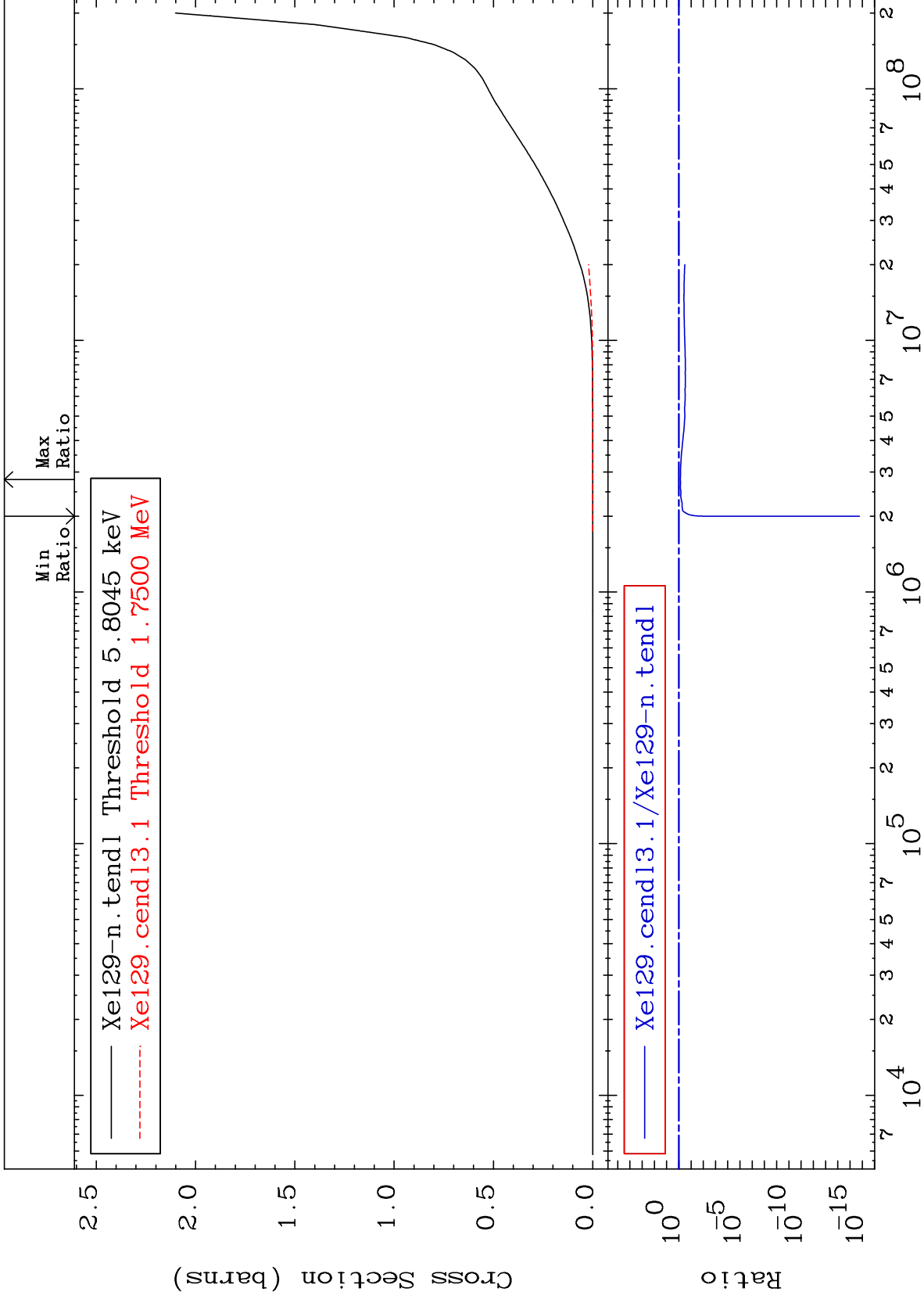
54-Xe-129
-89.51 To -31.46%



33

Incident Energy (eV)

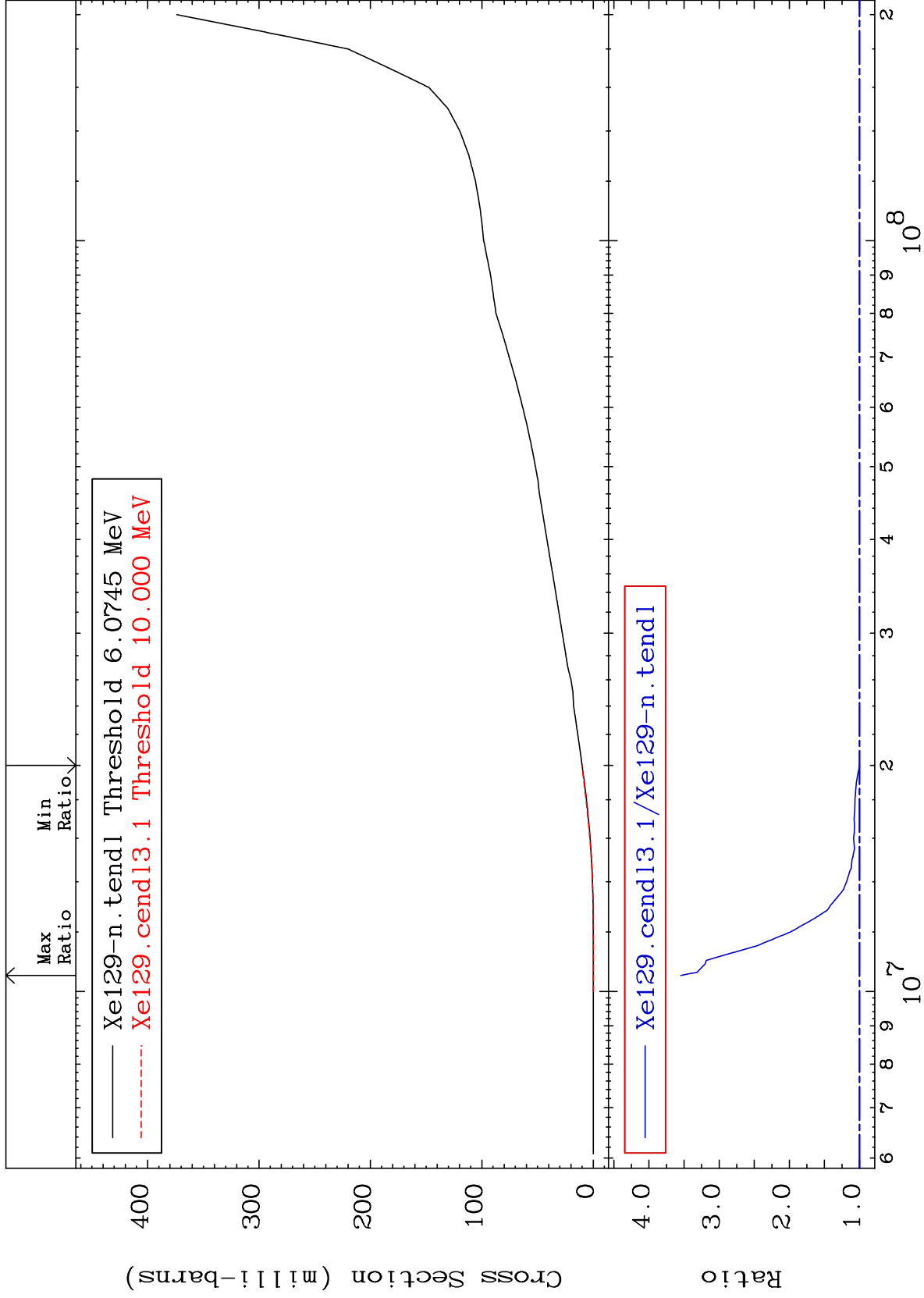
54-Xe-129



MAT 5440

Deuterium Production
Cross Section

54-Xe-129
-0.024 To 254.7 %

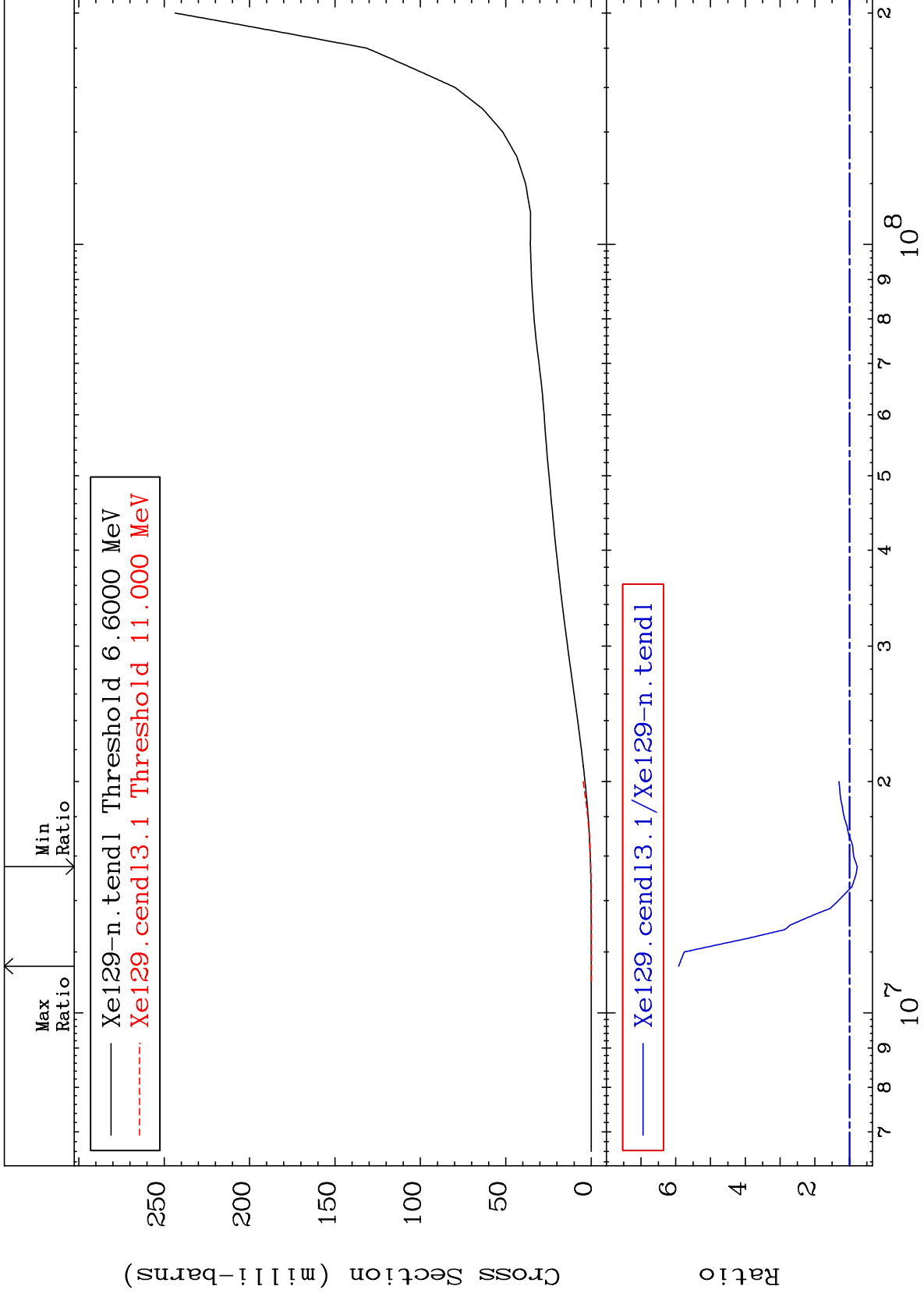


35

MAT 5440

Tritium Production
Cross Section

54-Xe-129
-22.29 To 491.7 %



36

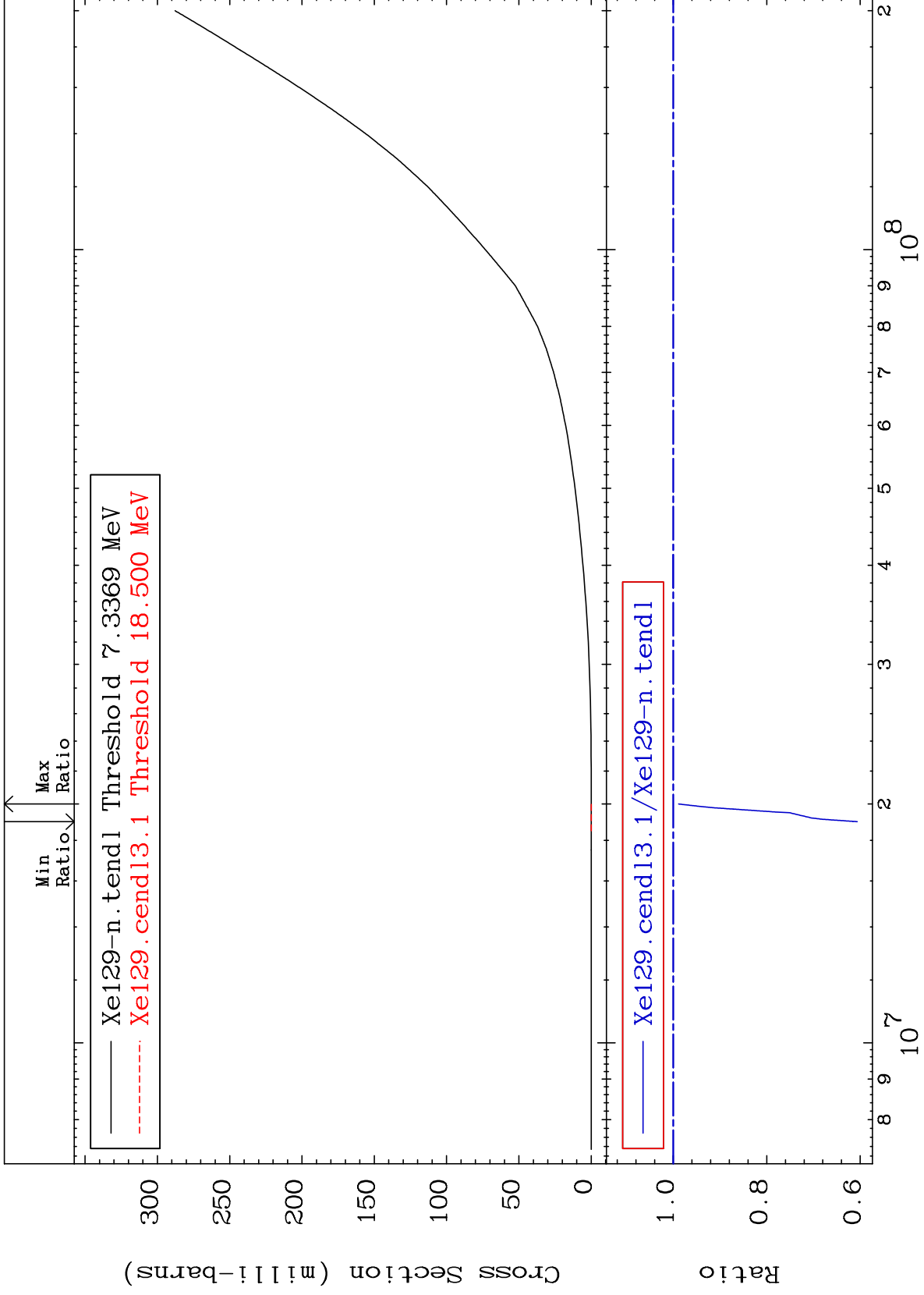
Incident Energy (eV)

54-Xe-129

MAT 5440

He-3 Production
Cross Section

54-Xe-129
-39.37 To -1.149%



37

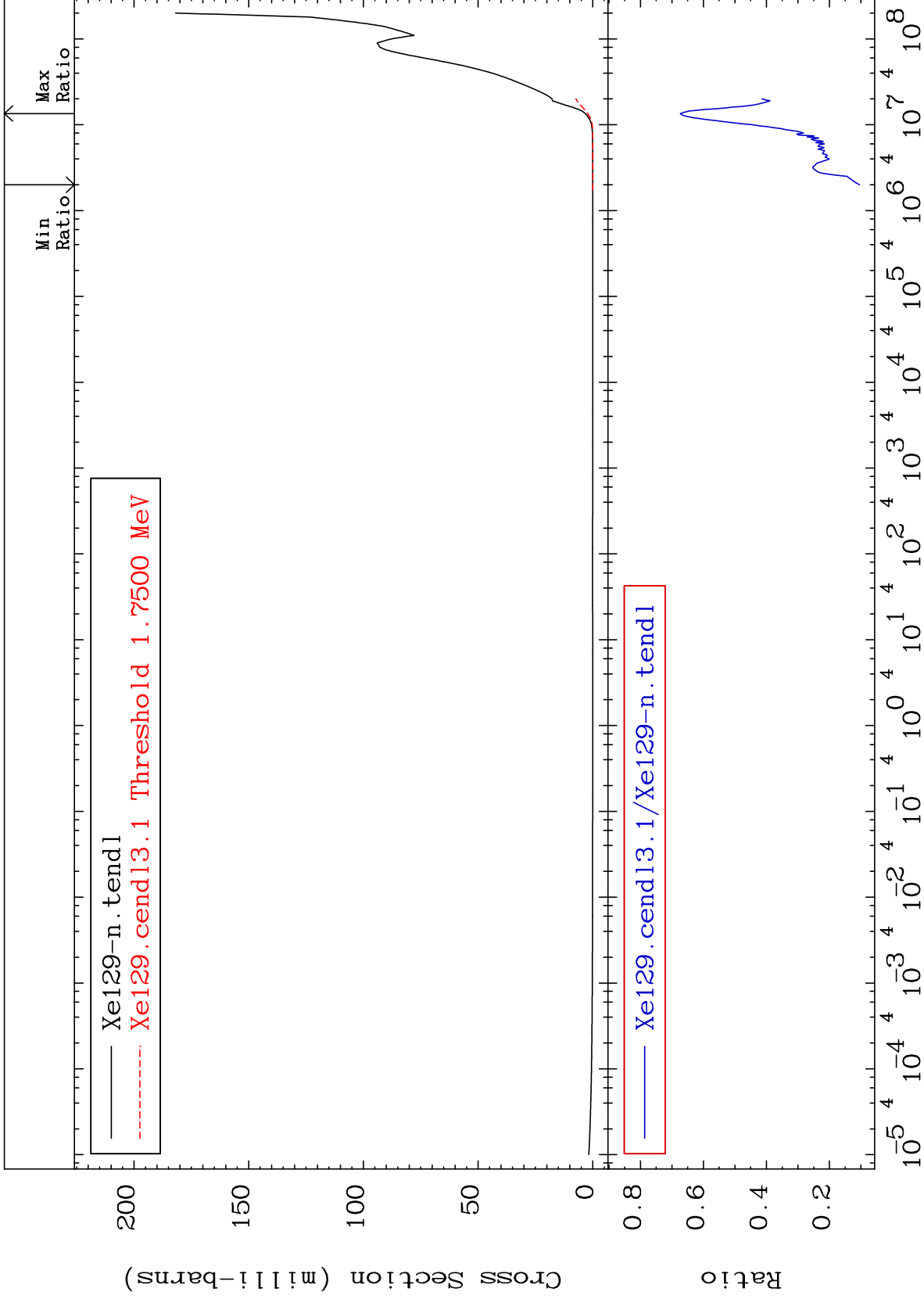
Incident Energy (eV)

54-Xe-129

MAT 5440

He-4 Production
Cross Section

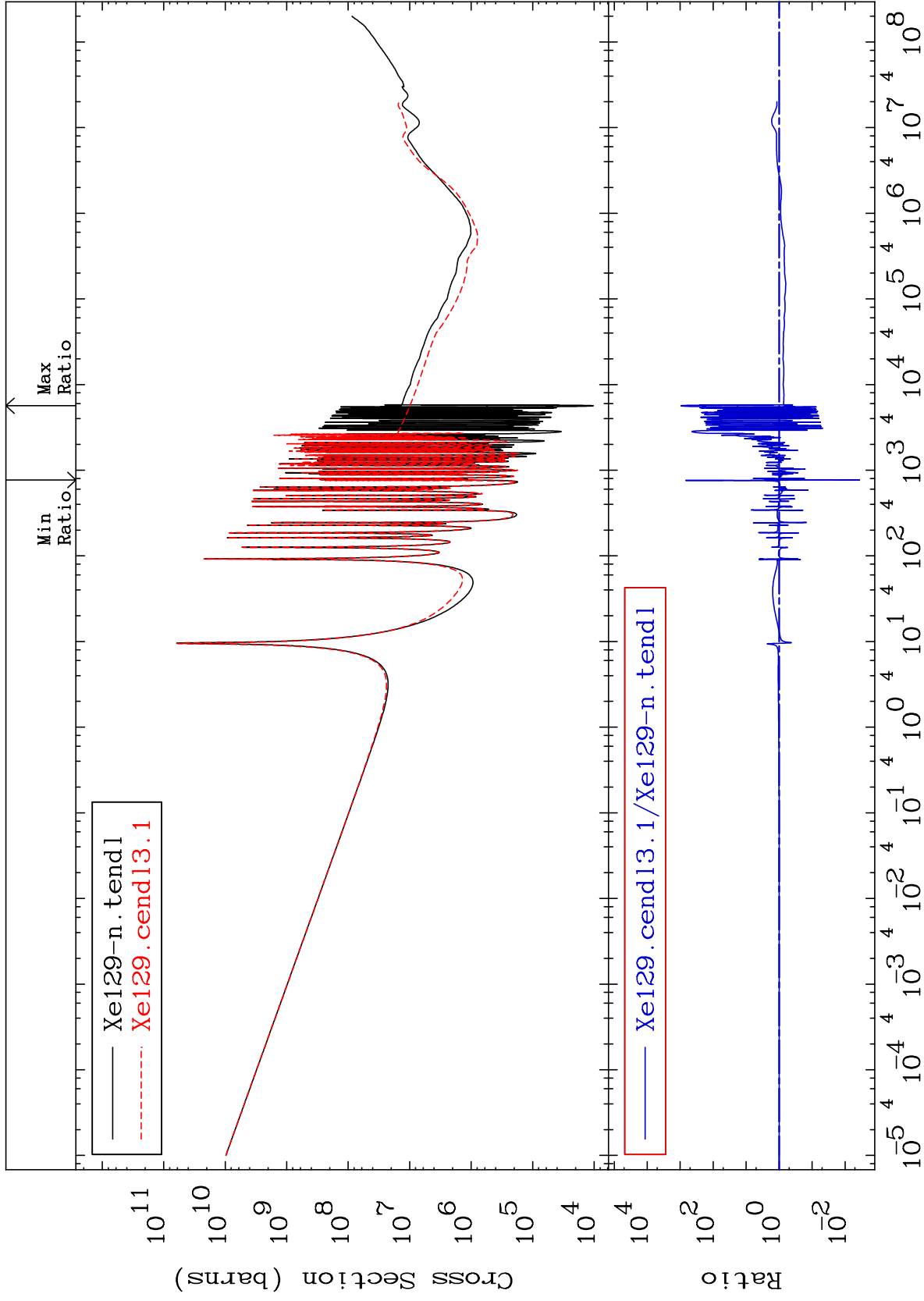
54-Xe-129
-89.51 To -32.68%



38

Incident Energy (eV)

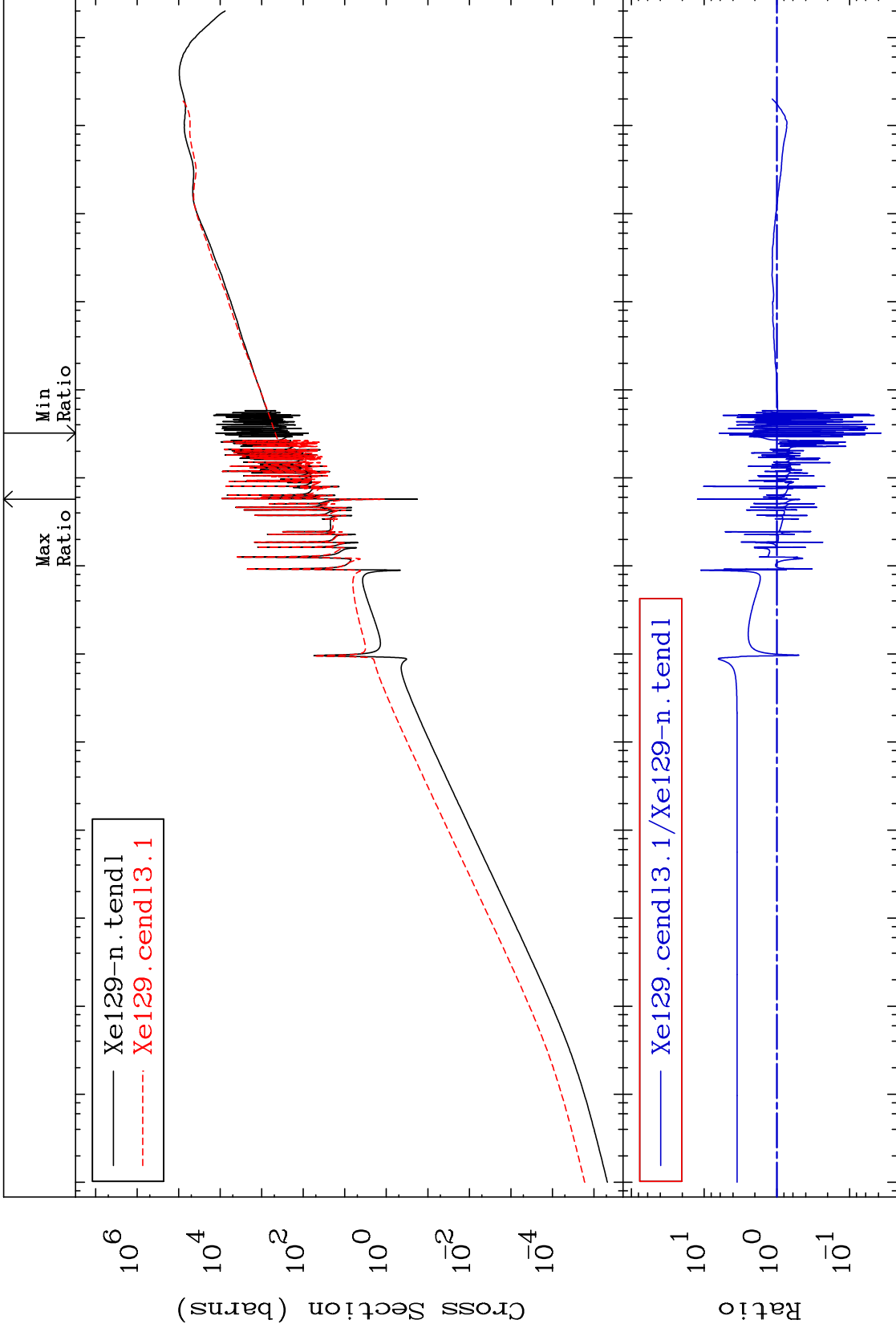
54-Xe-129



MAT 5440

Kerma elastic
Cross Section

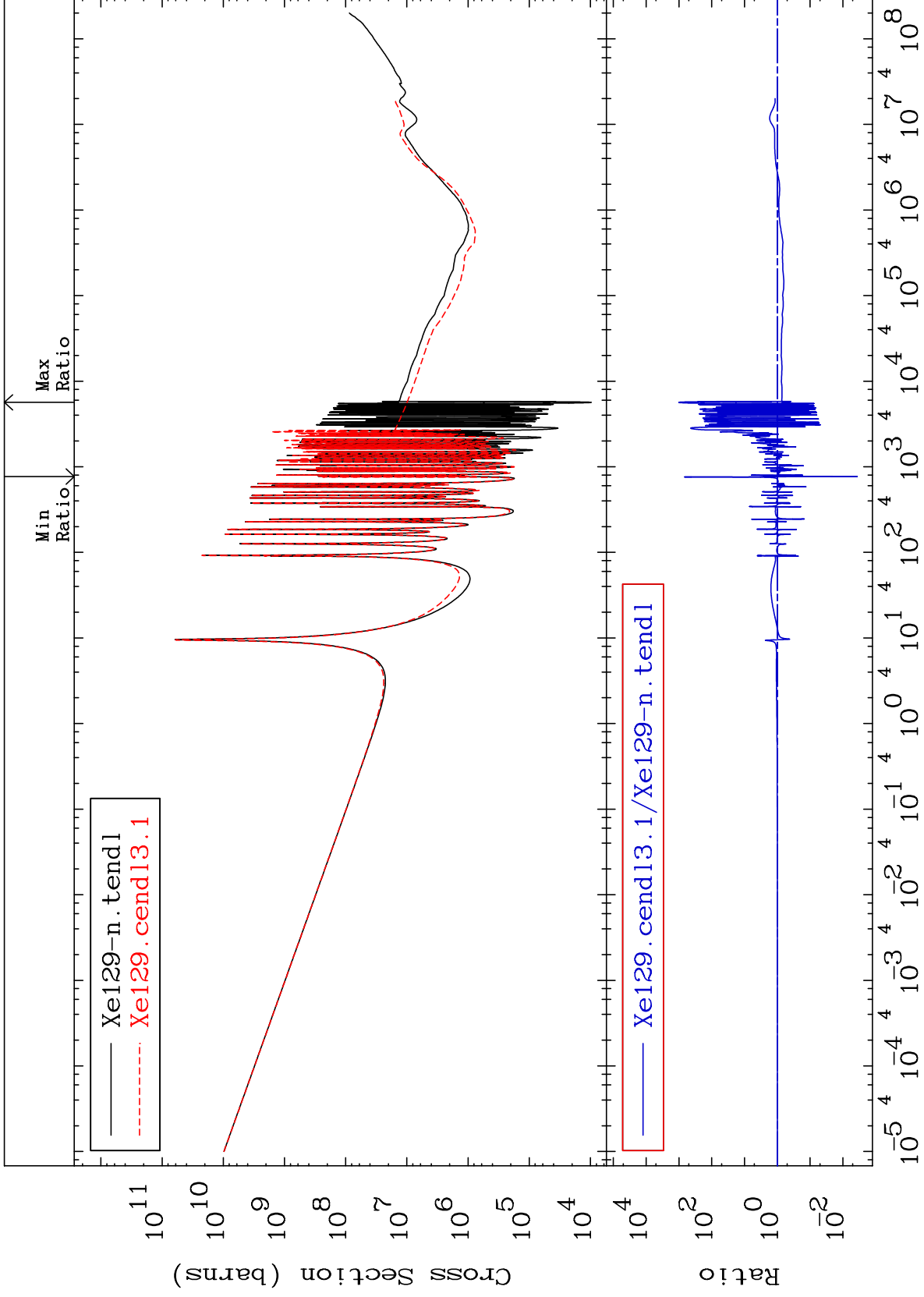
54-Xe-129
-96.32 To 1140. %

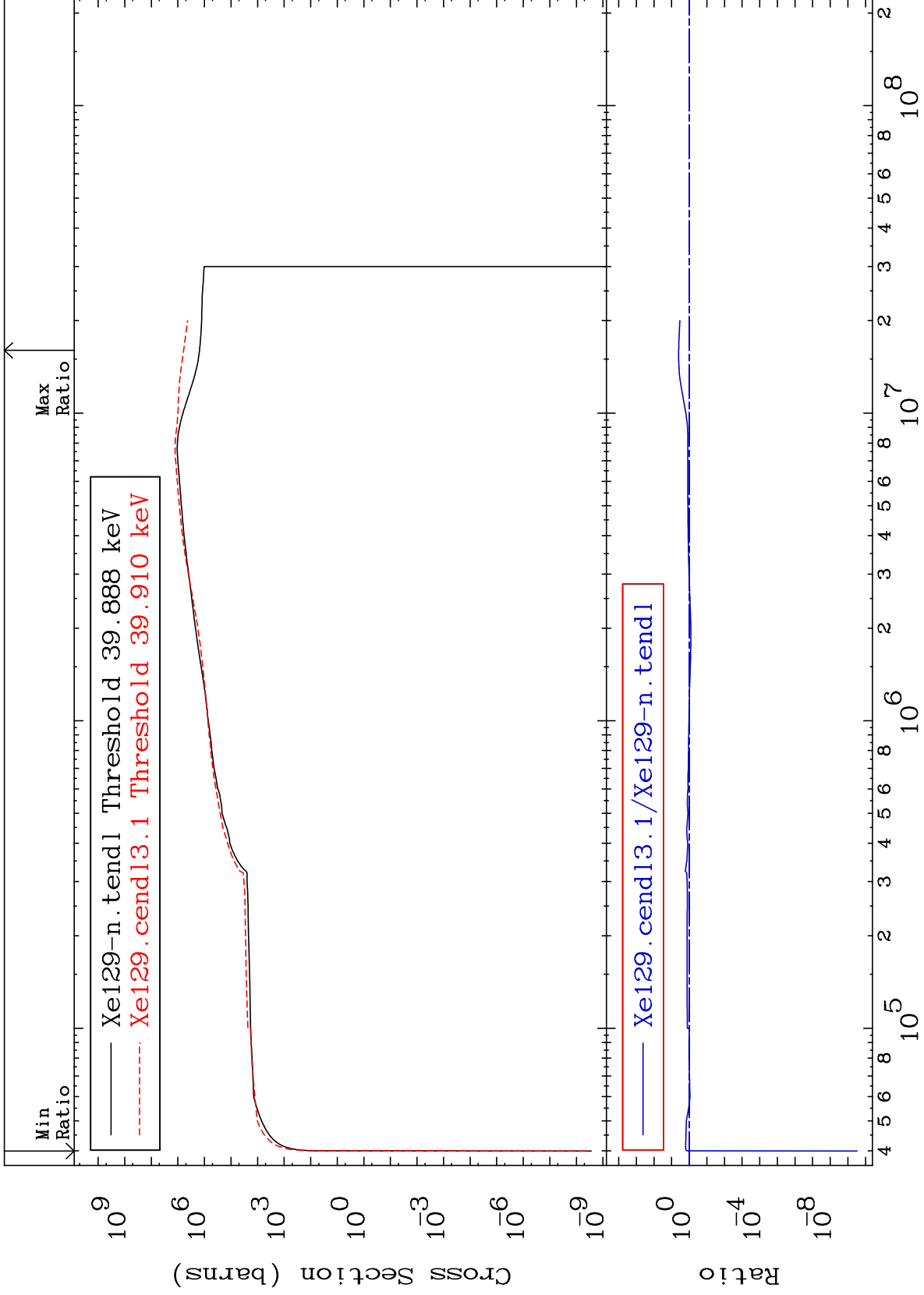


Incident Energy (eV)

40

54-Xe-129

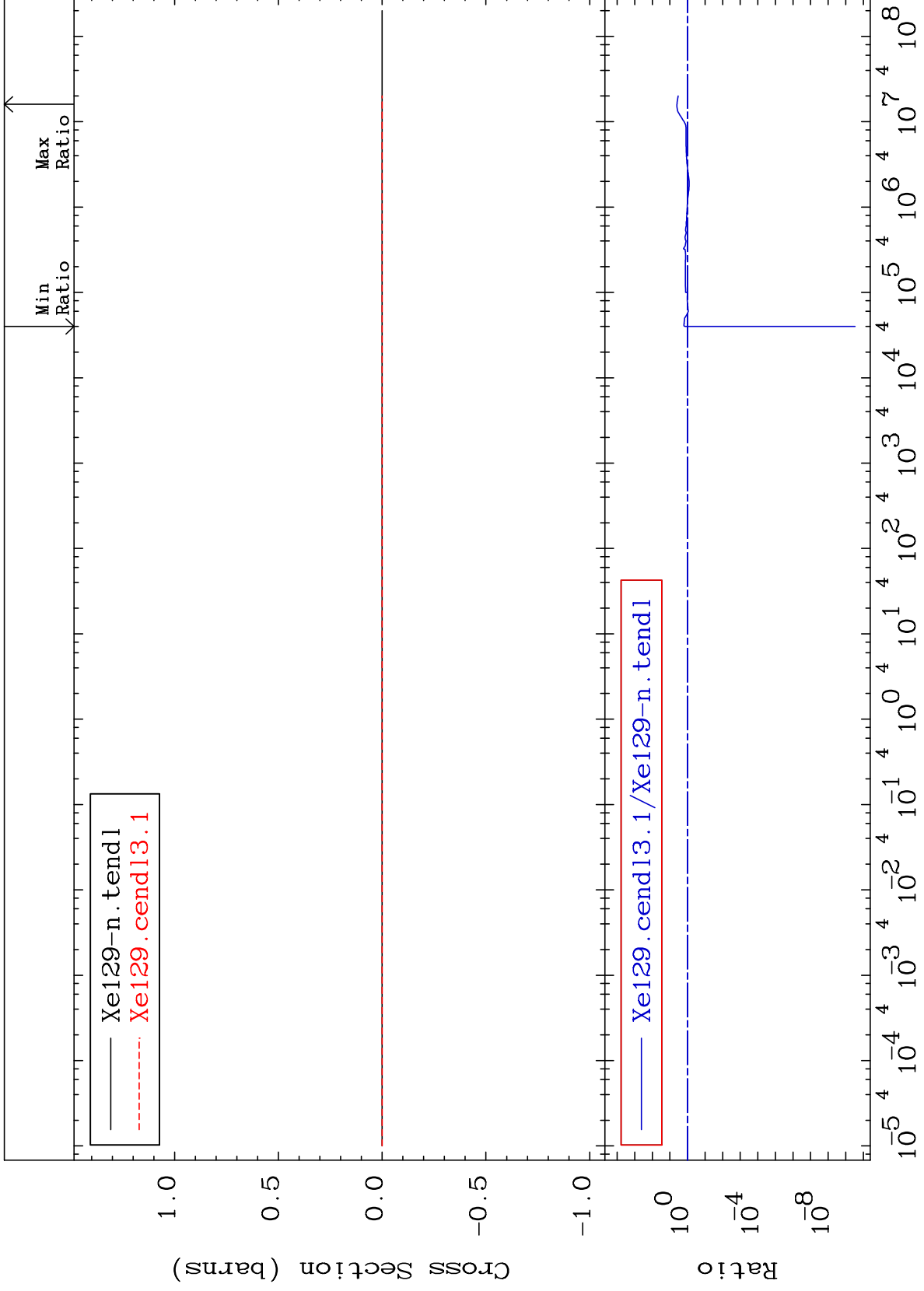


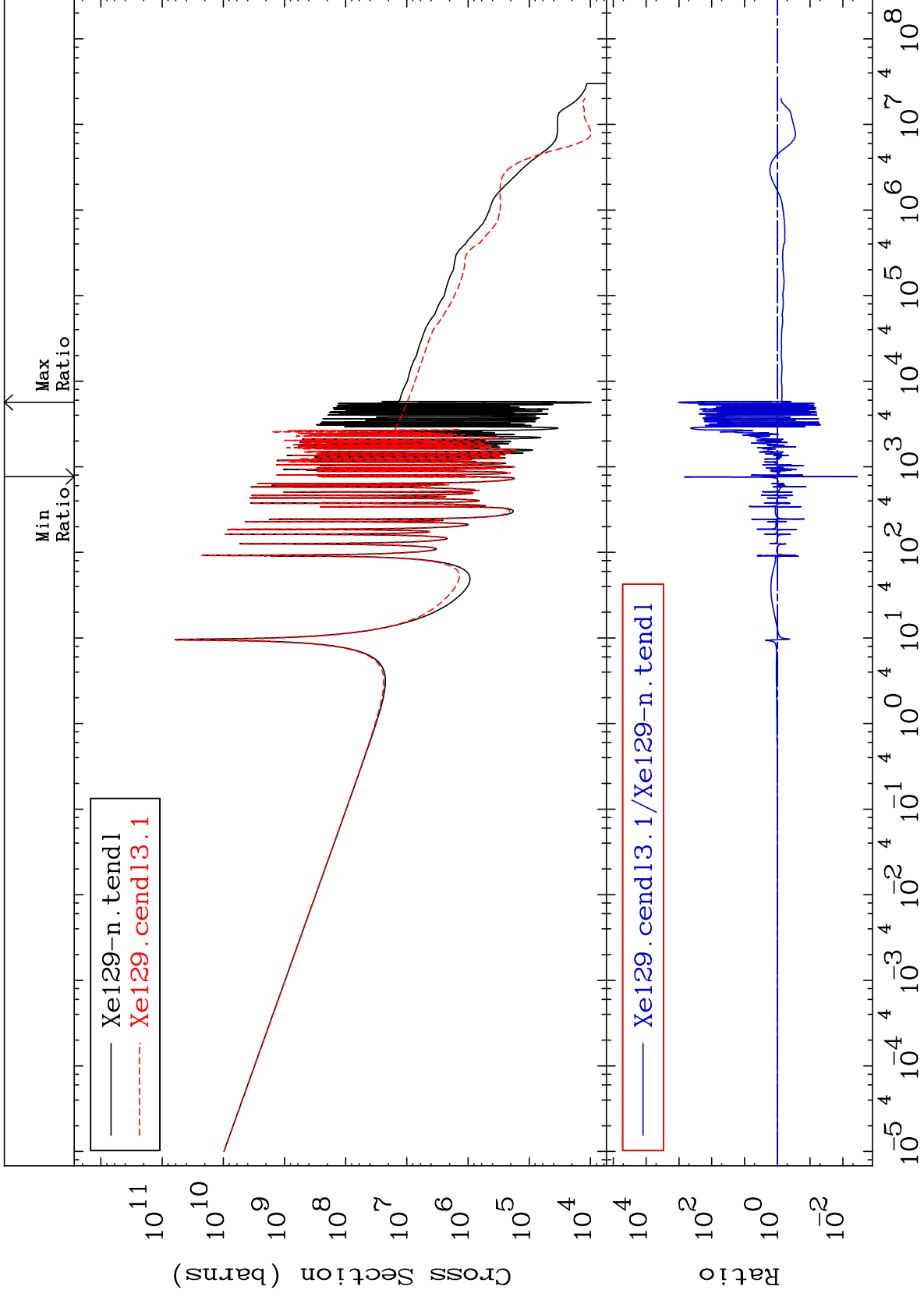


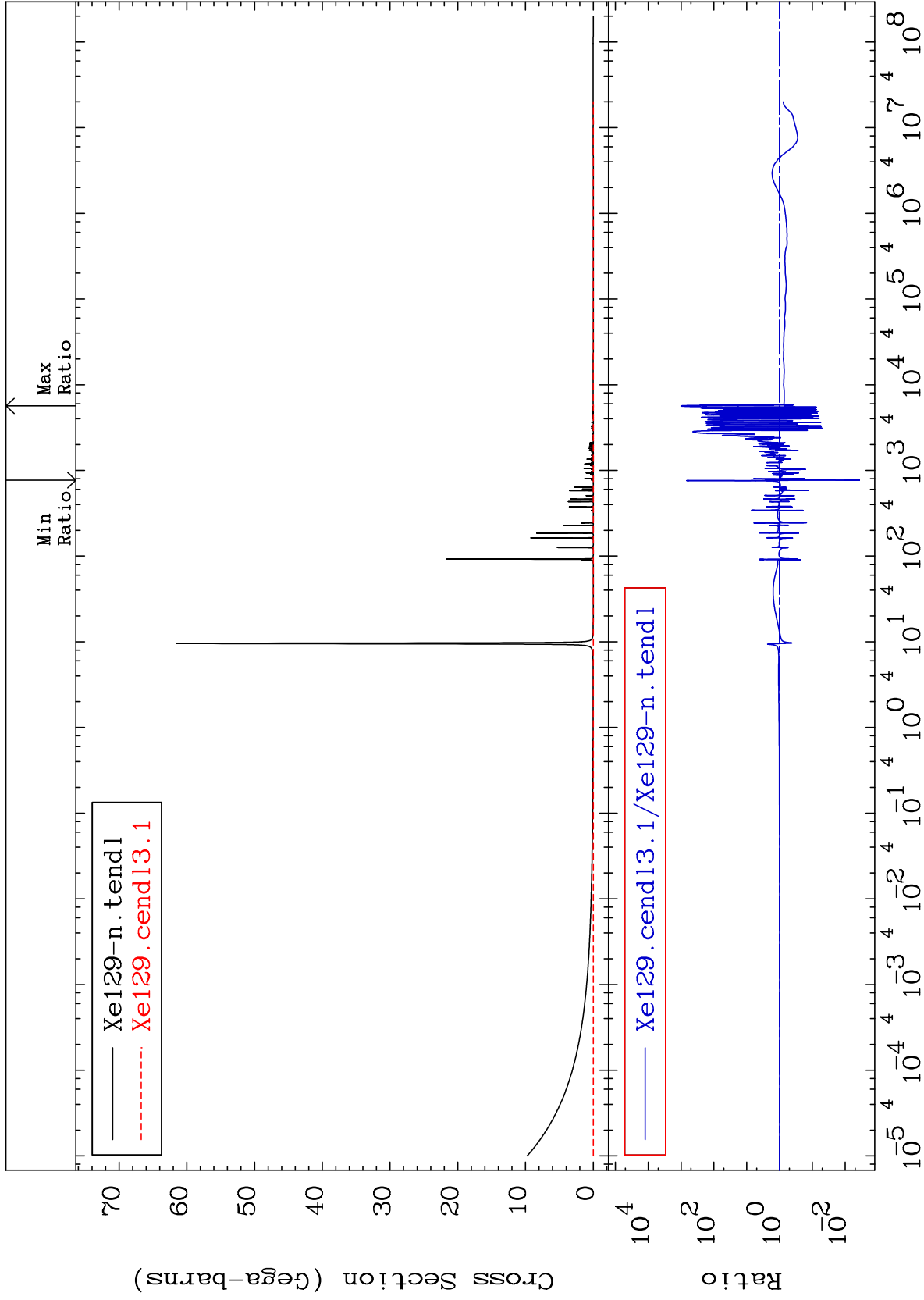
MAT 5440

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

54-Xe-129
-100.0 To 298.4 %

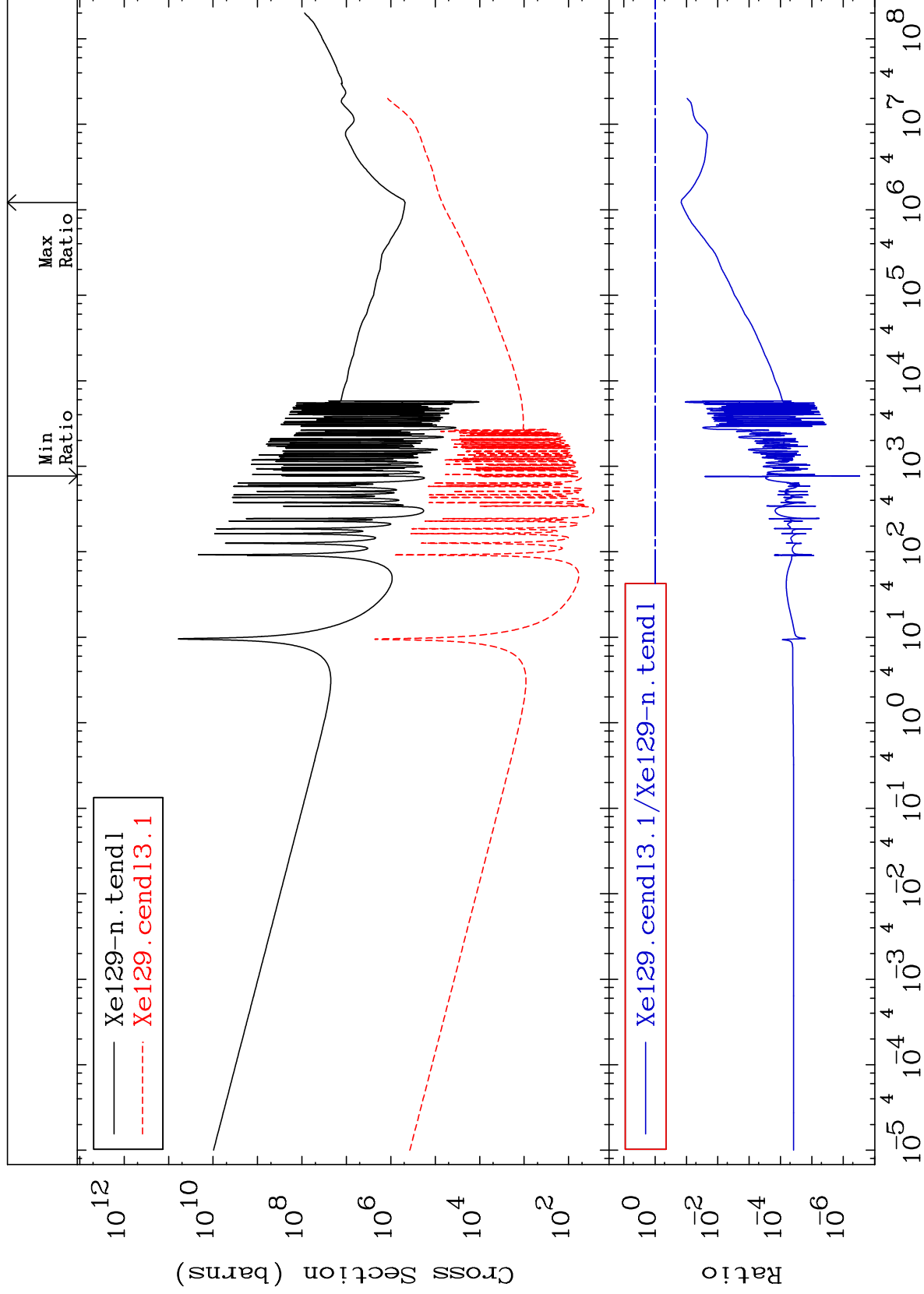






Cross Section

-100.0 To -85.28%



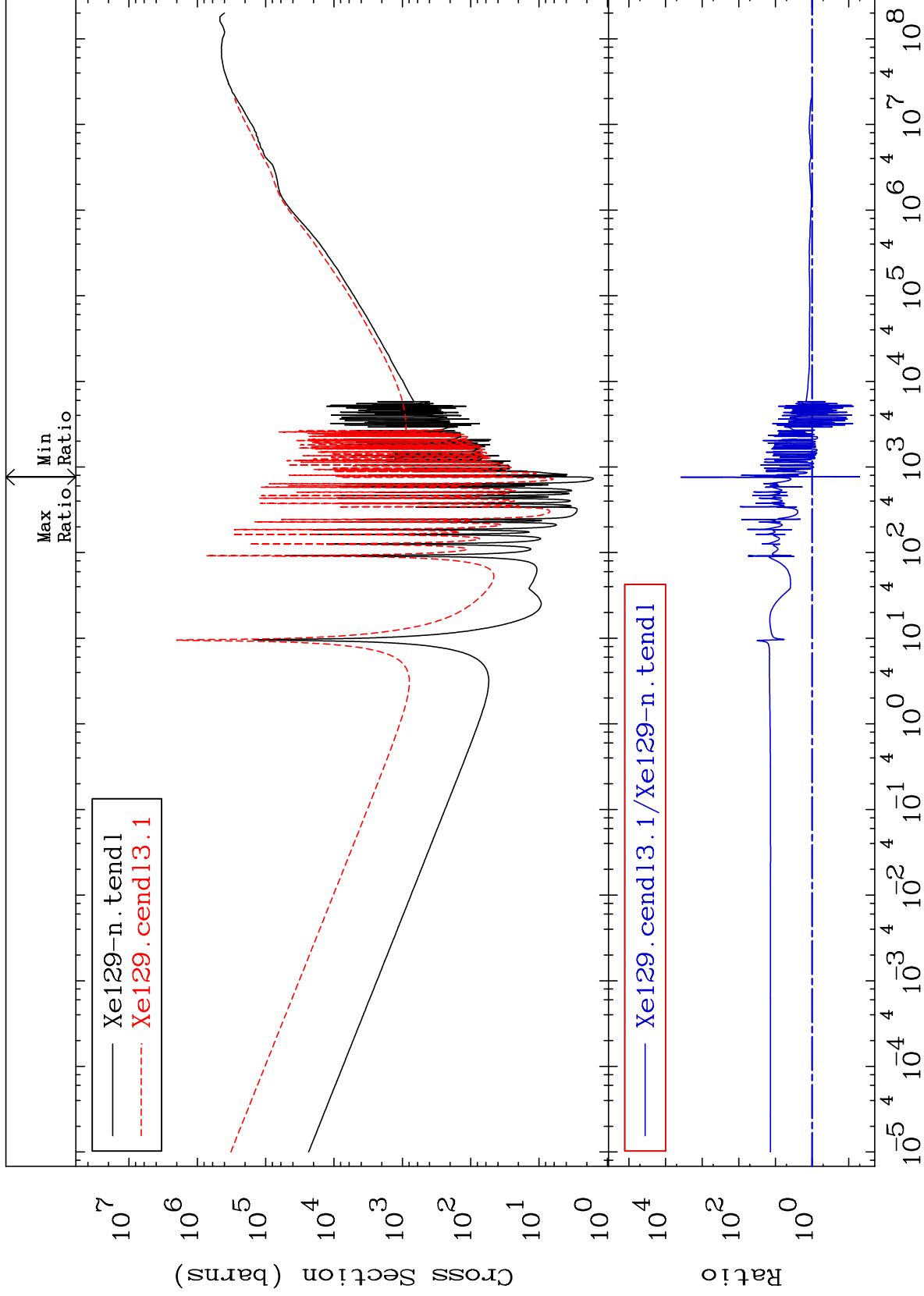
MAT 5440

Dpa total (eV-barns)

54-Xe-129

-94.90 To 9999. %

Cross Section



47

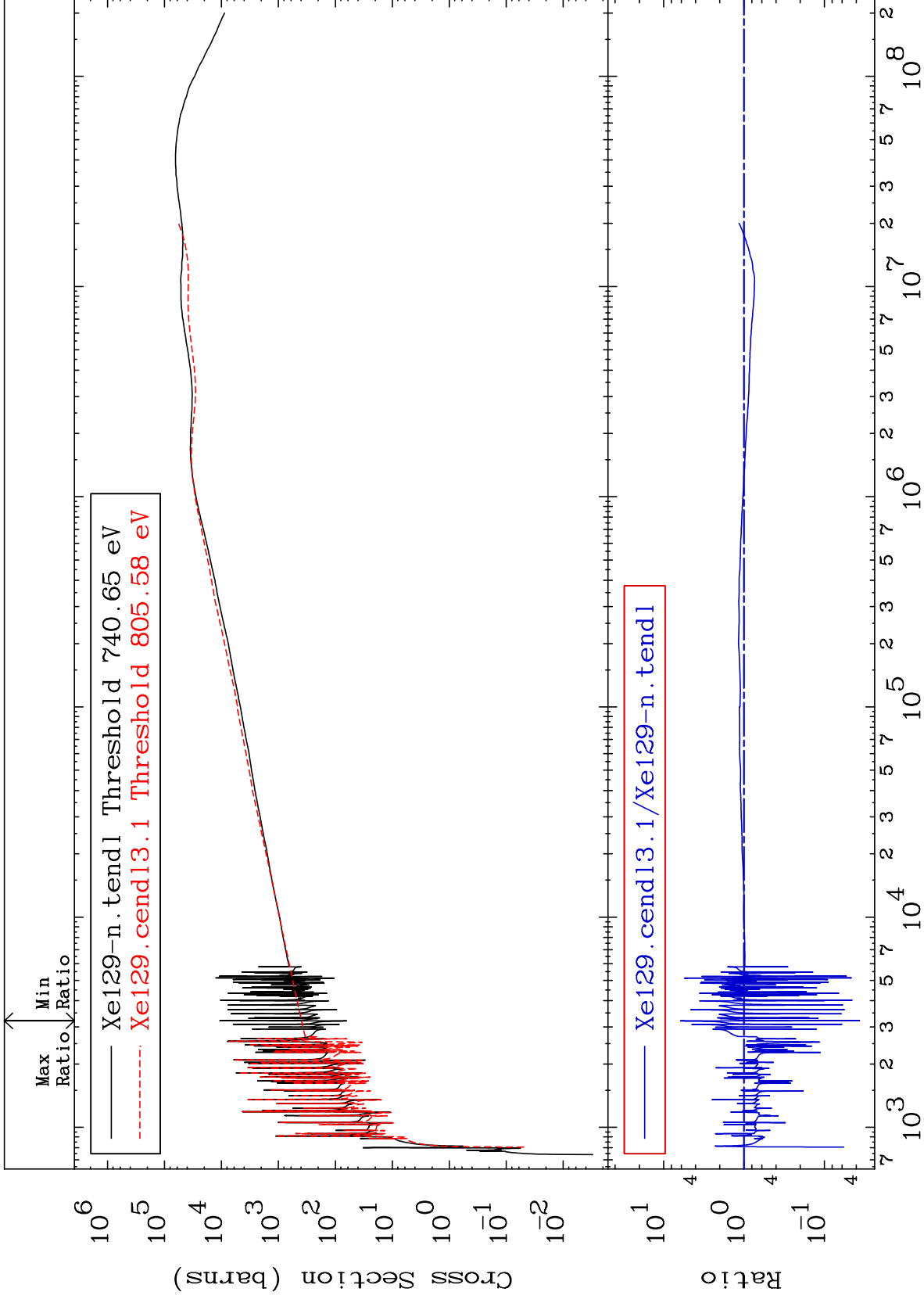
Incident Energy (eV)

54-Xe-129

MAT 5440

Dpa elastic (mt2)
Cross Section

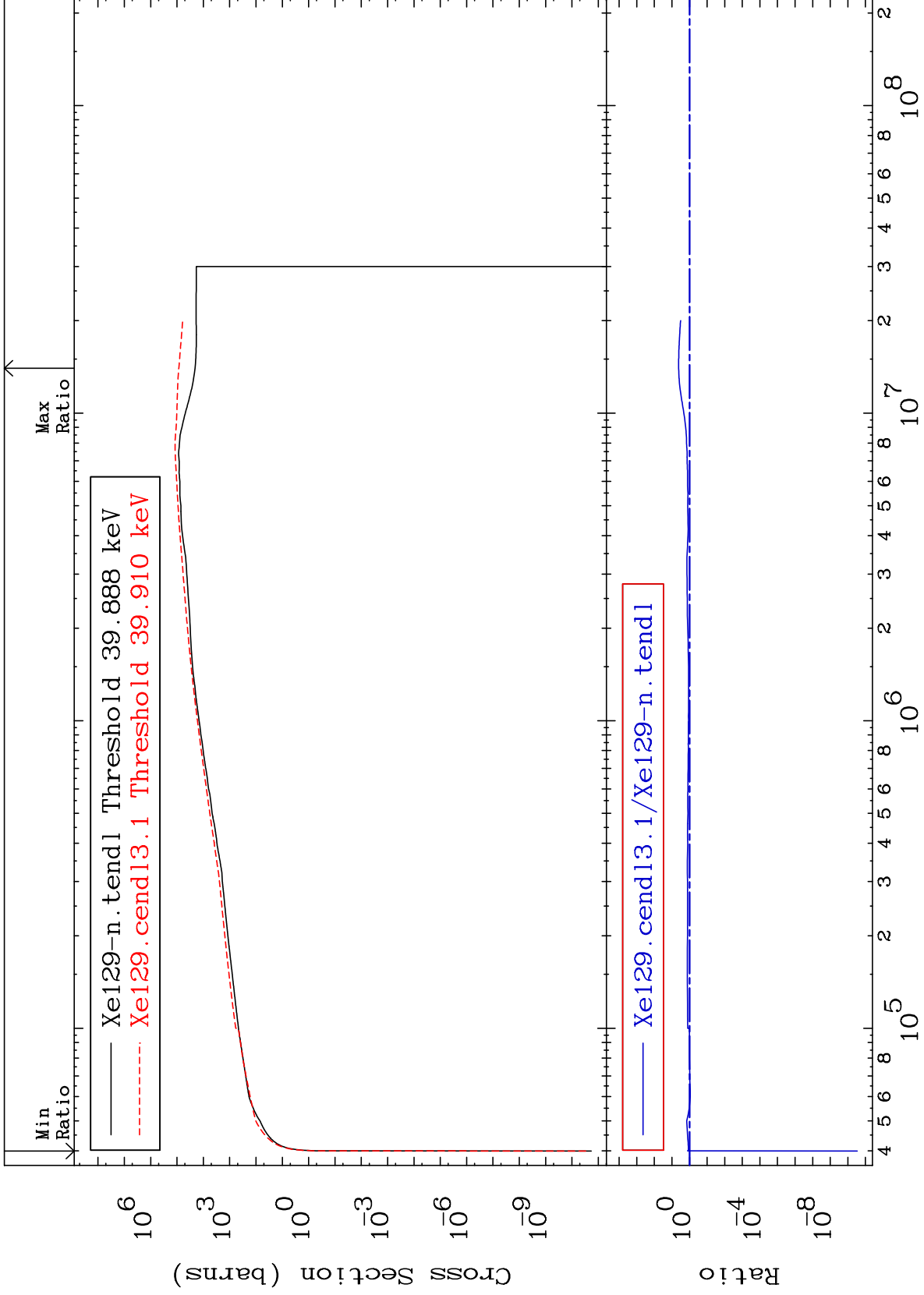
54-Xe-129
-96.34 To 518.0 %



MAT 5440

Dpa inelastic (mt51-91)
Cross Section

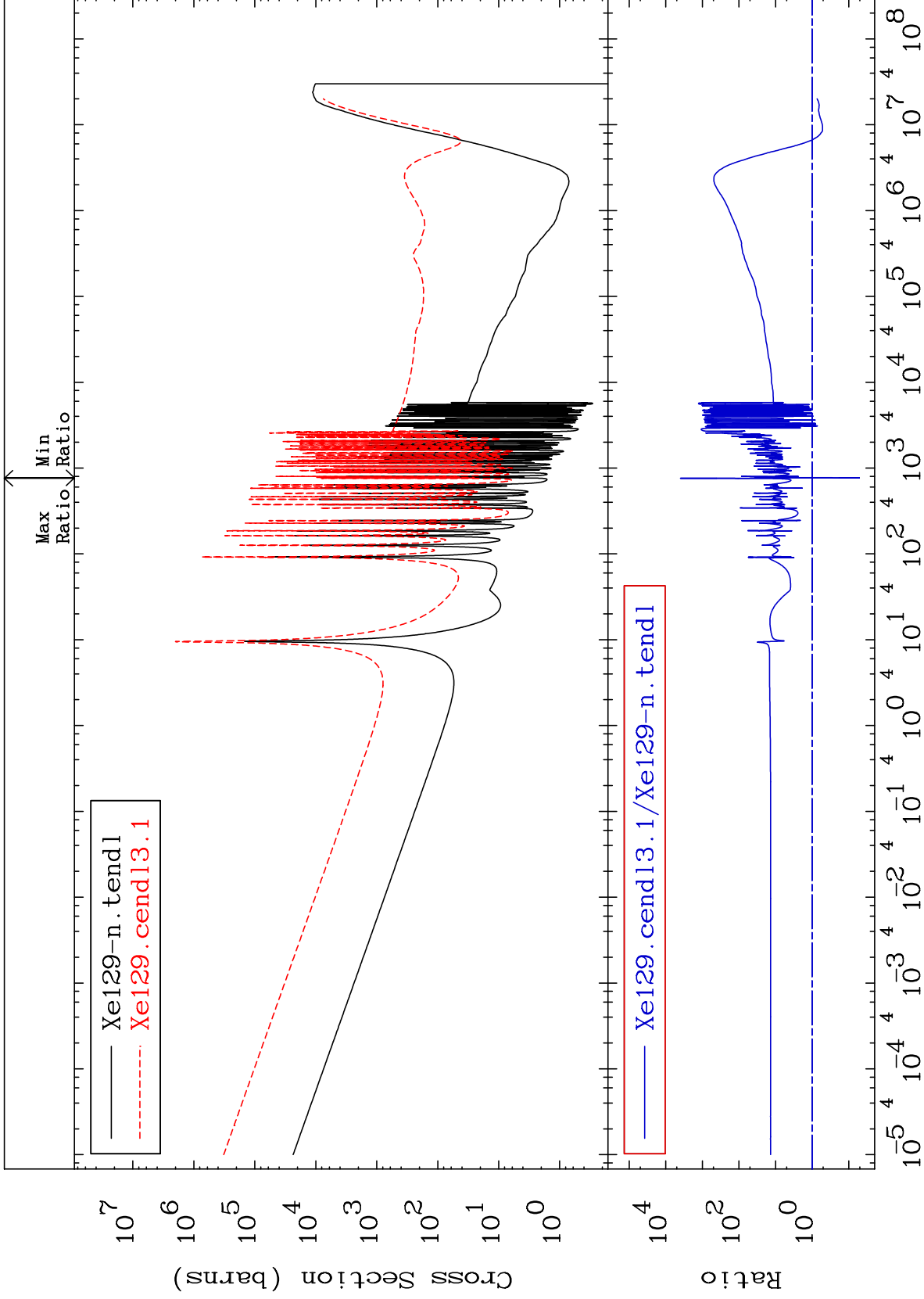
54-Xe-129
-100.0 To 315.4 %



MAT 5440

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-129
-94.90 To 9999. %



50

Incident Energy (eV)

54-Xe-129