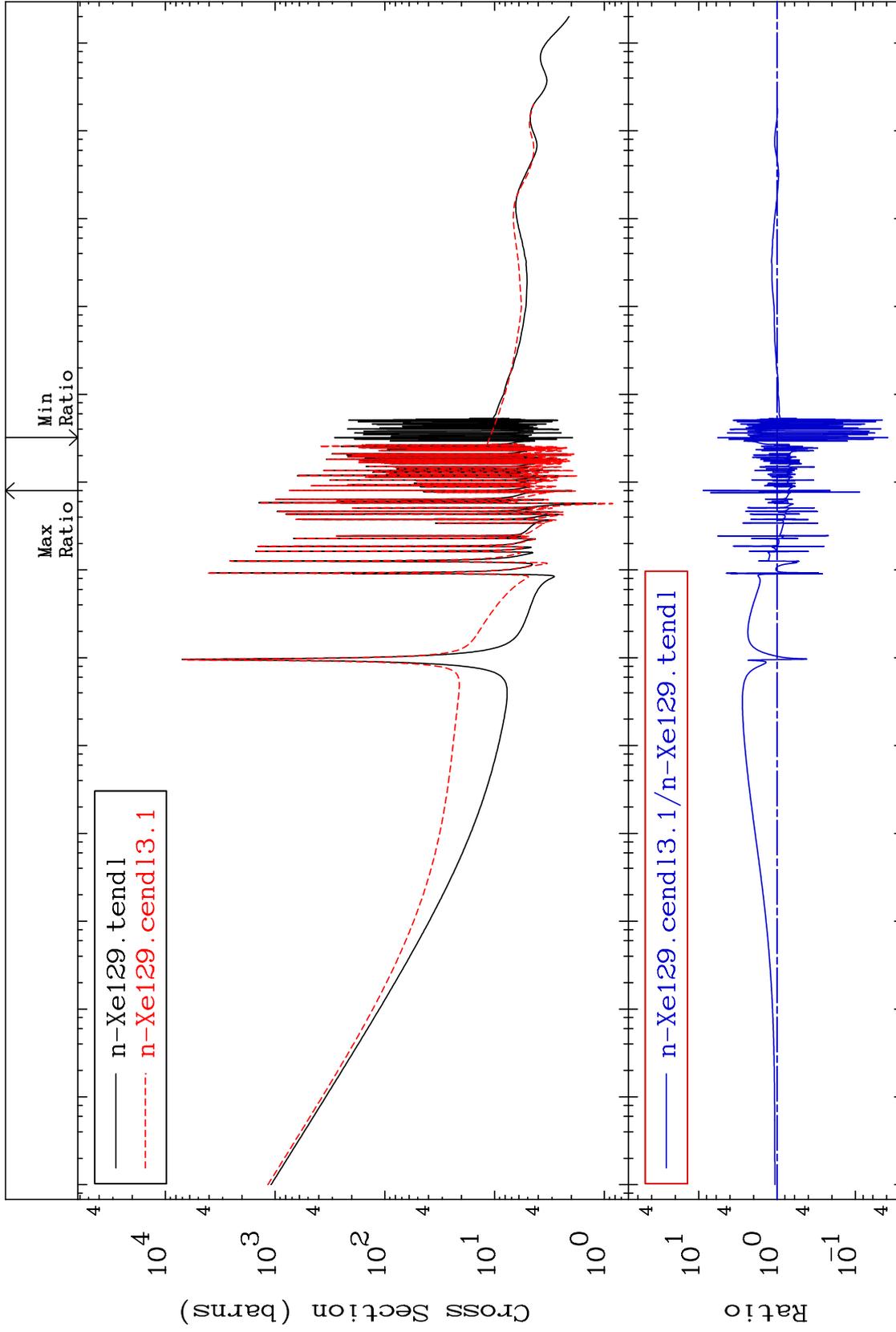


MAT 5440

54-Xe-129

-96.14 To 781.4 %

Total
Cross Section



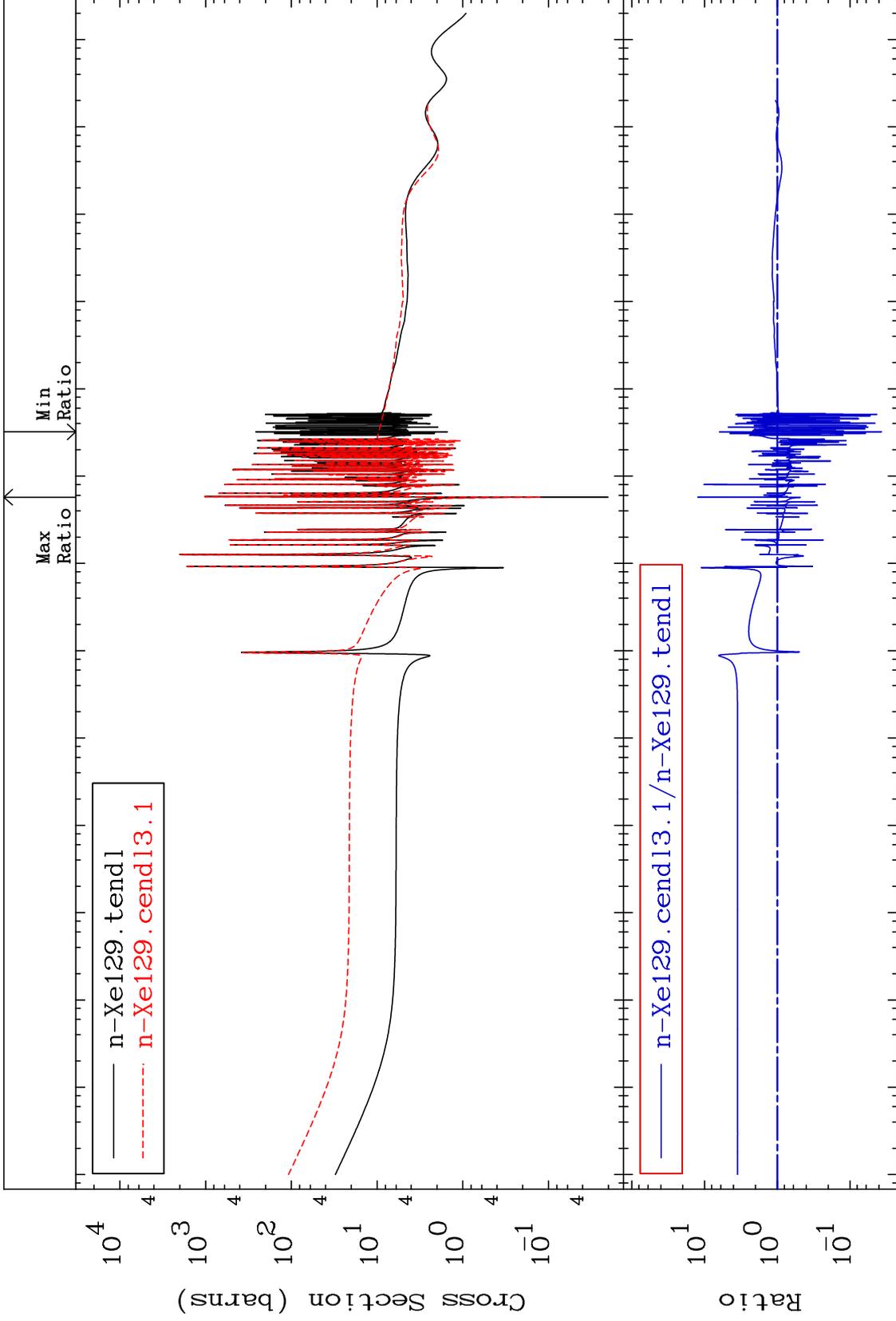
Incident Energy (eV)

54-Xe-129

MAT 5440

Elastic
Cross Section

54-Xe-129
-96.31 To 1142. %



Incident Energy (eV)

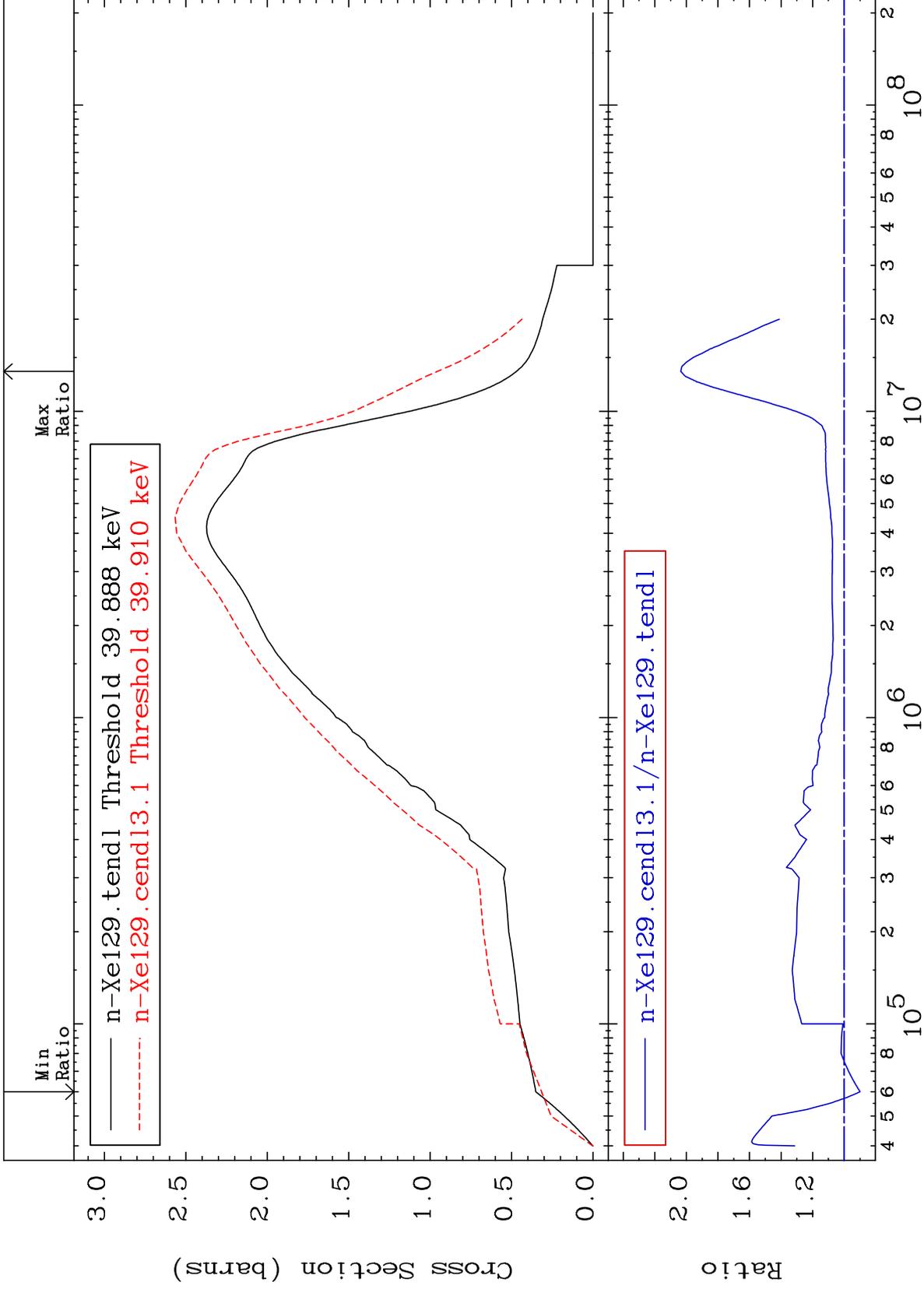
2

54-Xe-129

MAT 5440

Inelastic
Cross Section

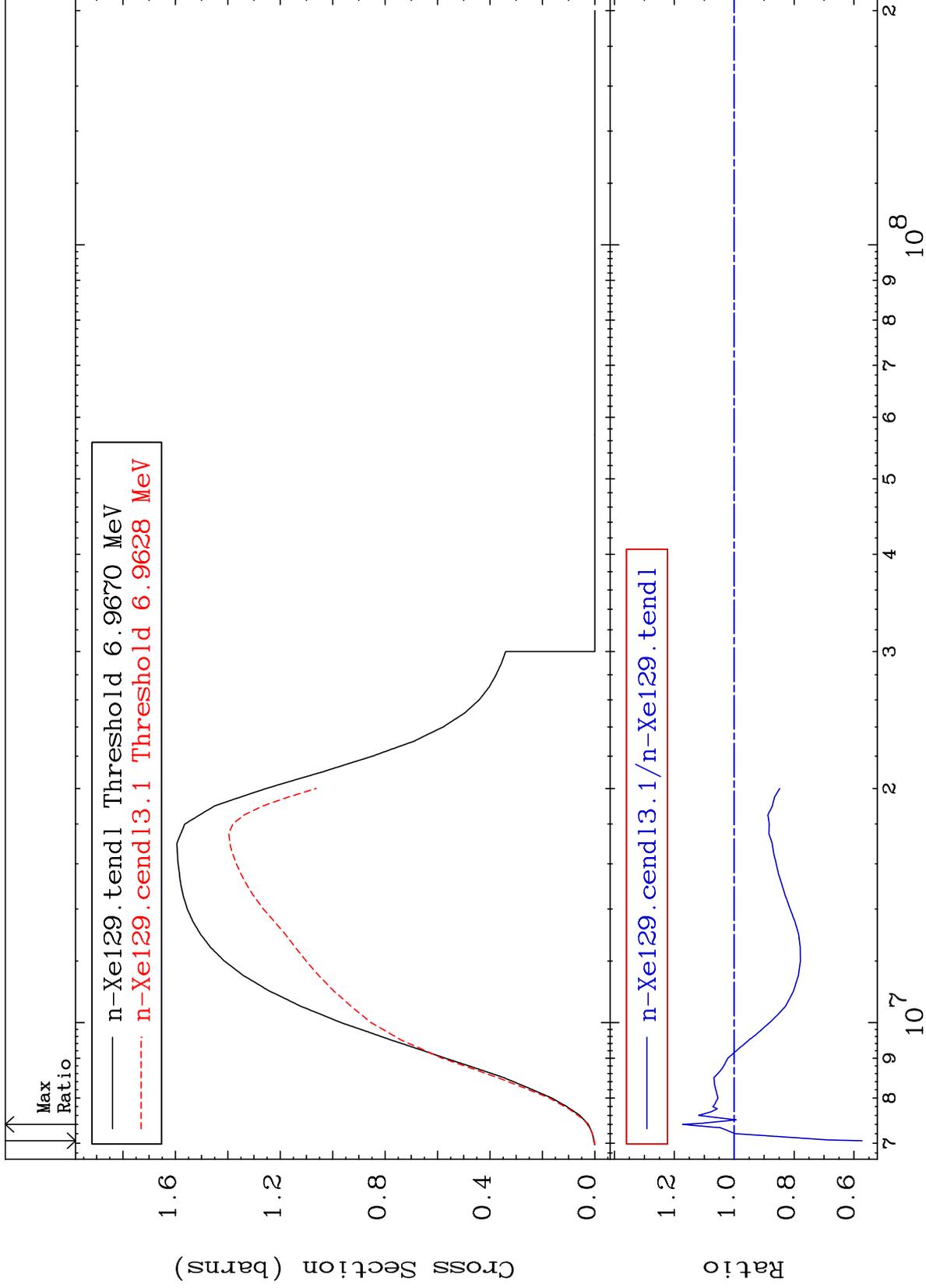
54-Xe-129
-10.06 To 103.6 %



MAT 5440

(n,2n)
Cross Section

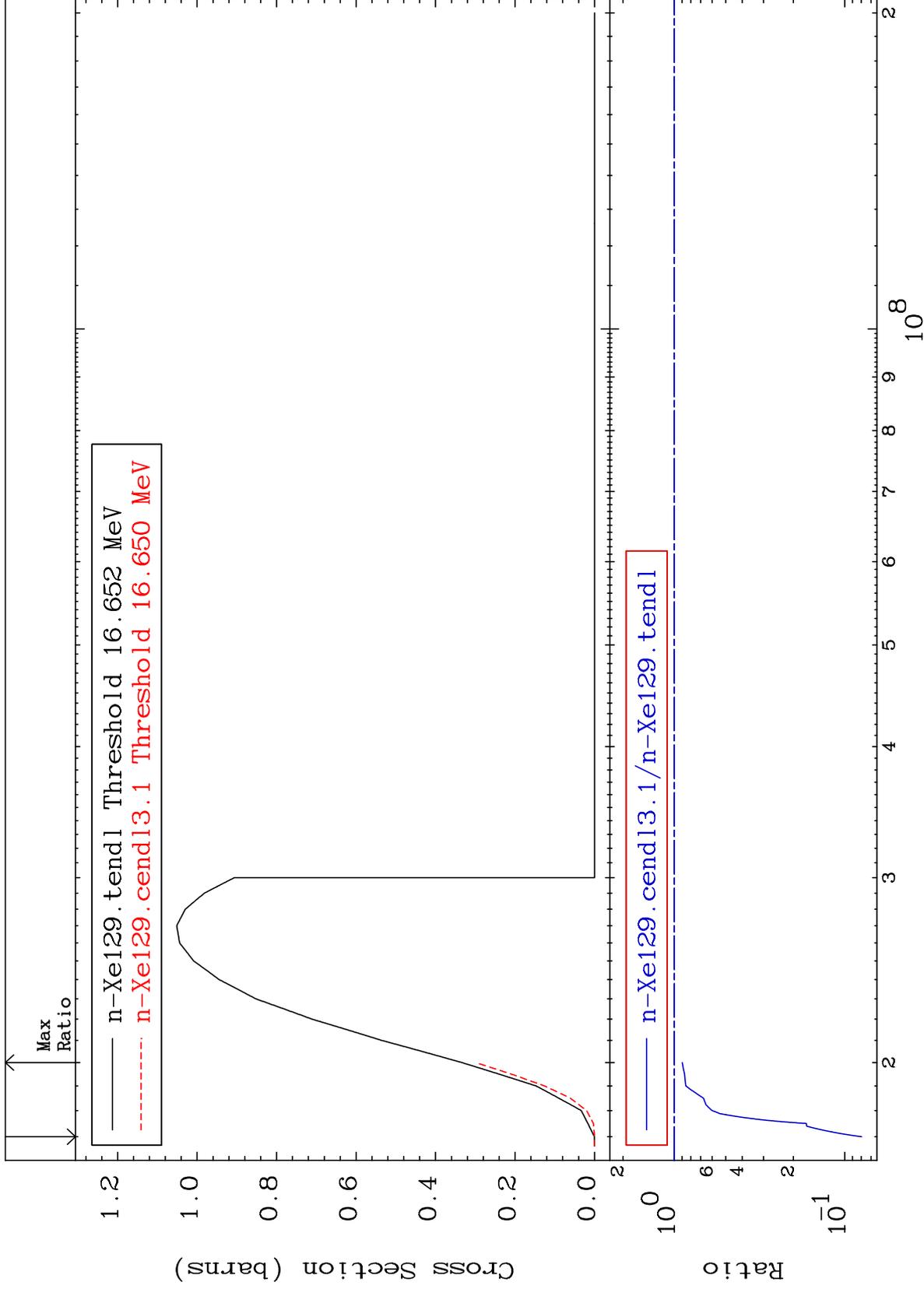
54-Xe-129
-42.69 To 17.21 %



MAT 5440

(n,3n)
Cross Section

54-Xe-129
-92.04 To -10.27%



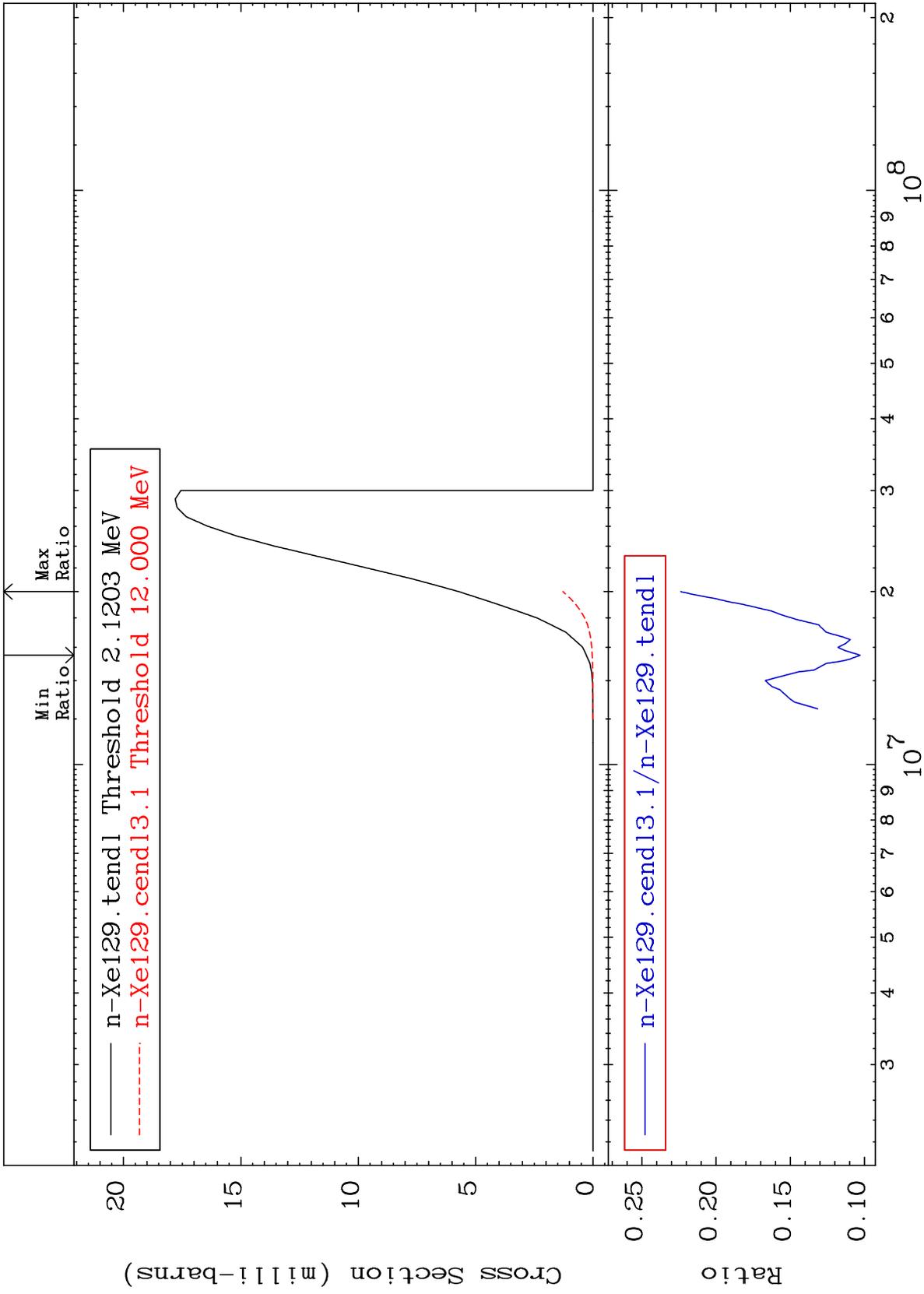
5

Incident Energy (eV)

54-Xe-129

MAT 5440

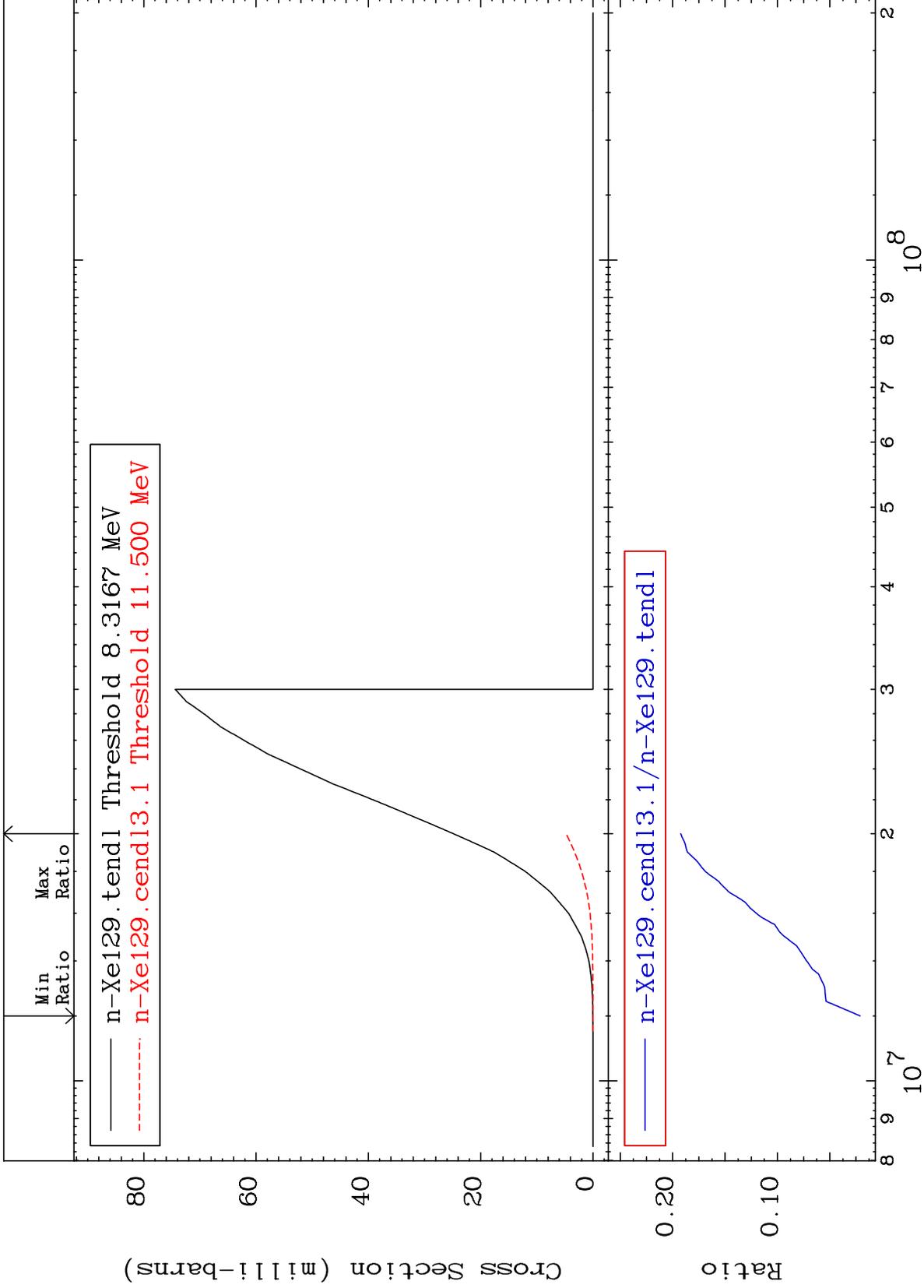
$(n, n') \alpha$ Cross Section
54-Xe-129
-89.70 To -77.62%



MAT 5440

(n, n') p
Cross Section

54-Xe-129
-97.89 To -80.77%



7

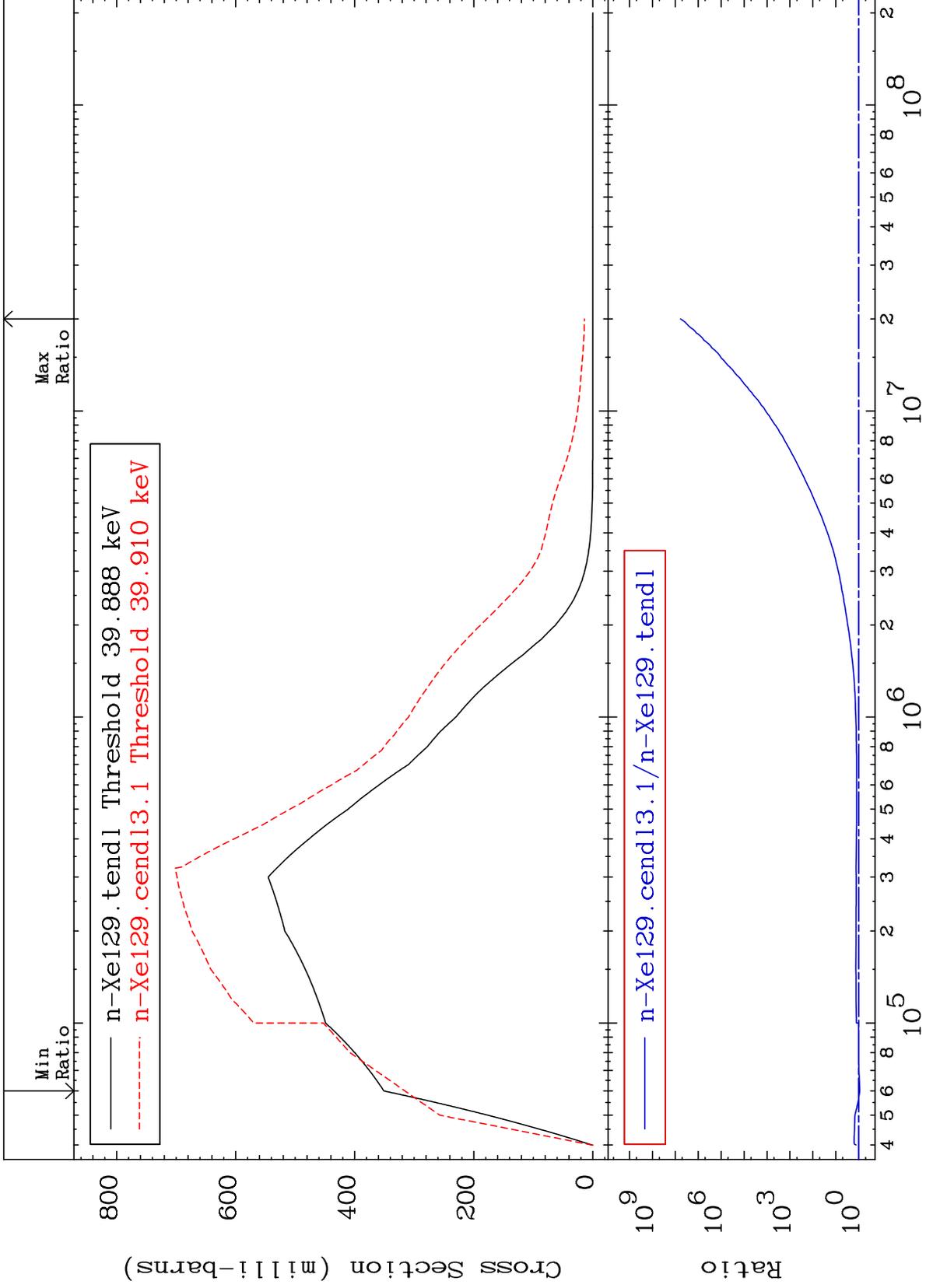
Incident Energy (eV)

54-Xe-129

MAT 5440

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

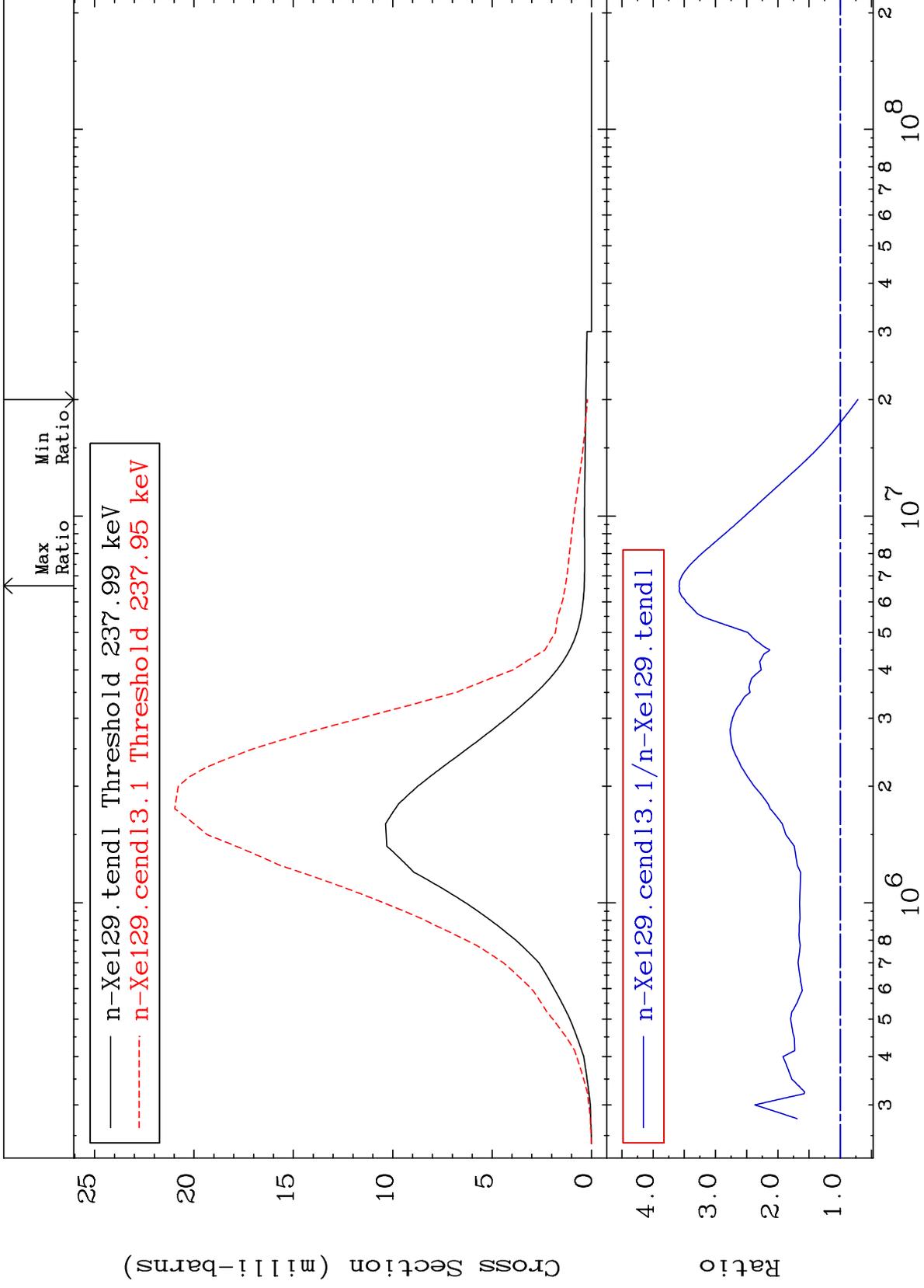
54-Xe-129
-10.06 To 9999. %



MAT 5440

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

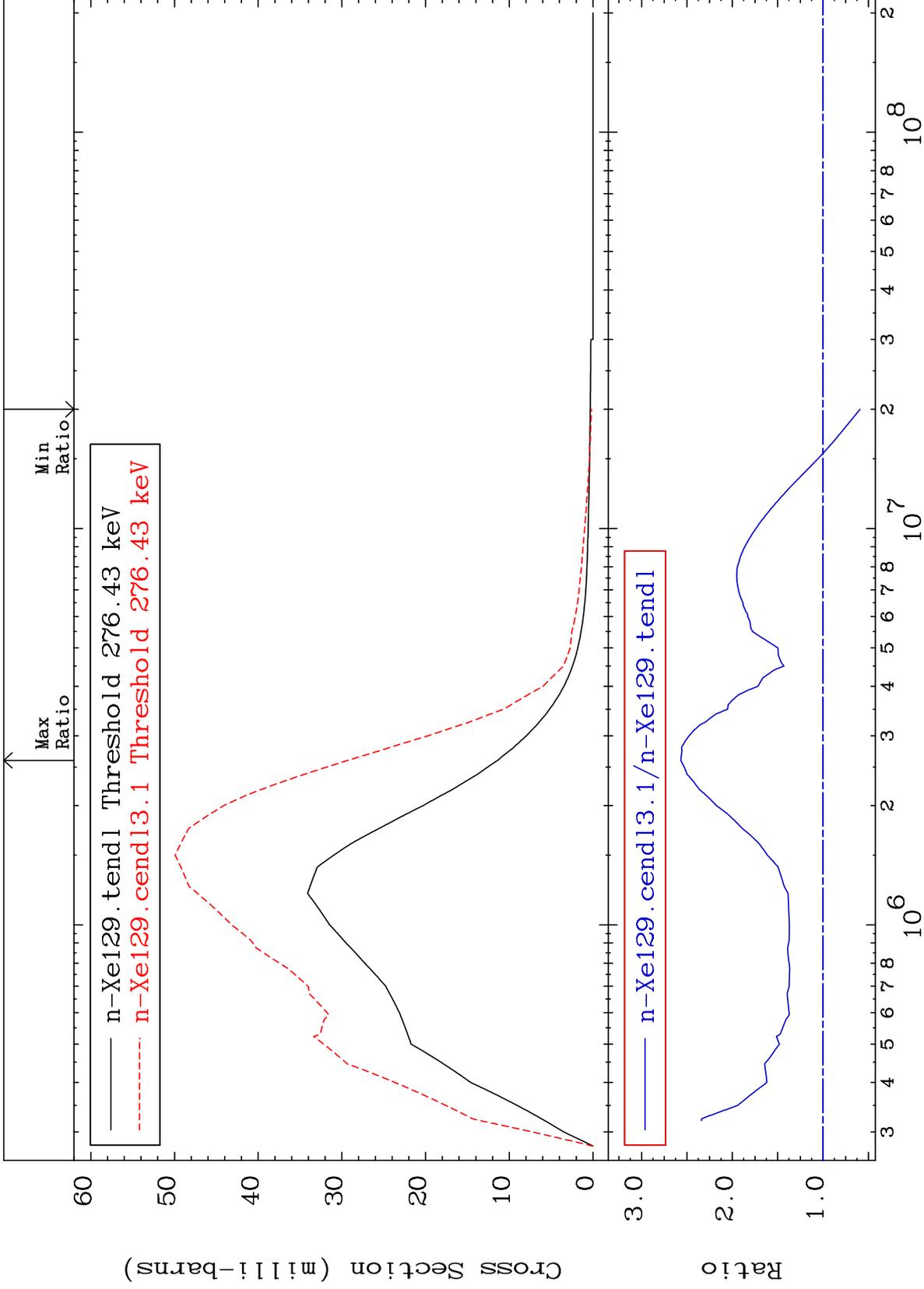
54-Xe-129
-28.30 To 258.4 %



MAT 5440

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

54-Xe-129
-40.90 To 156.8 %



10

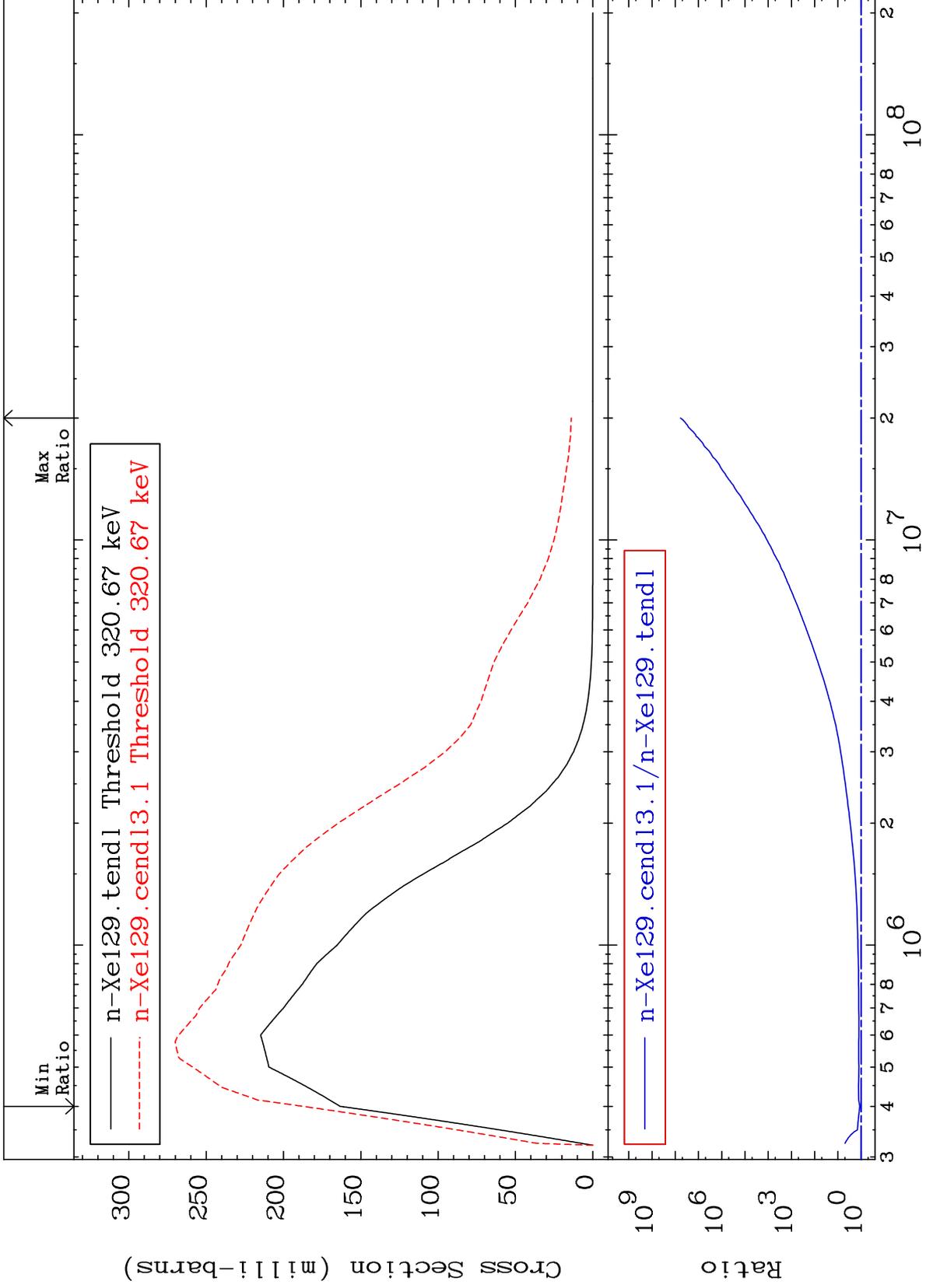
Incident Energy (eV)

54-Xe-129

MAT 5440

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

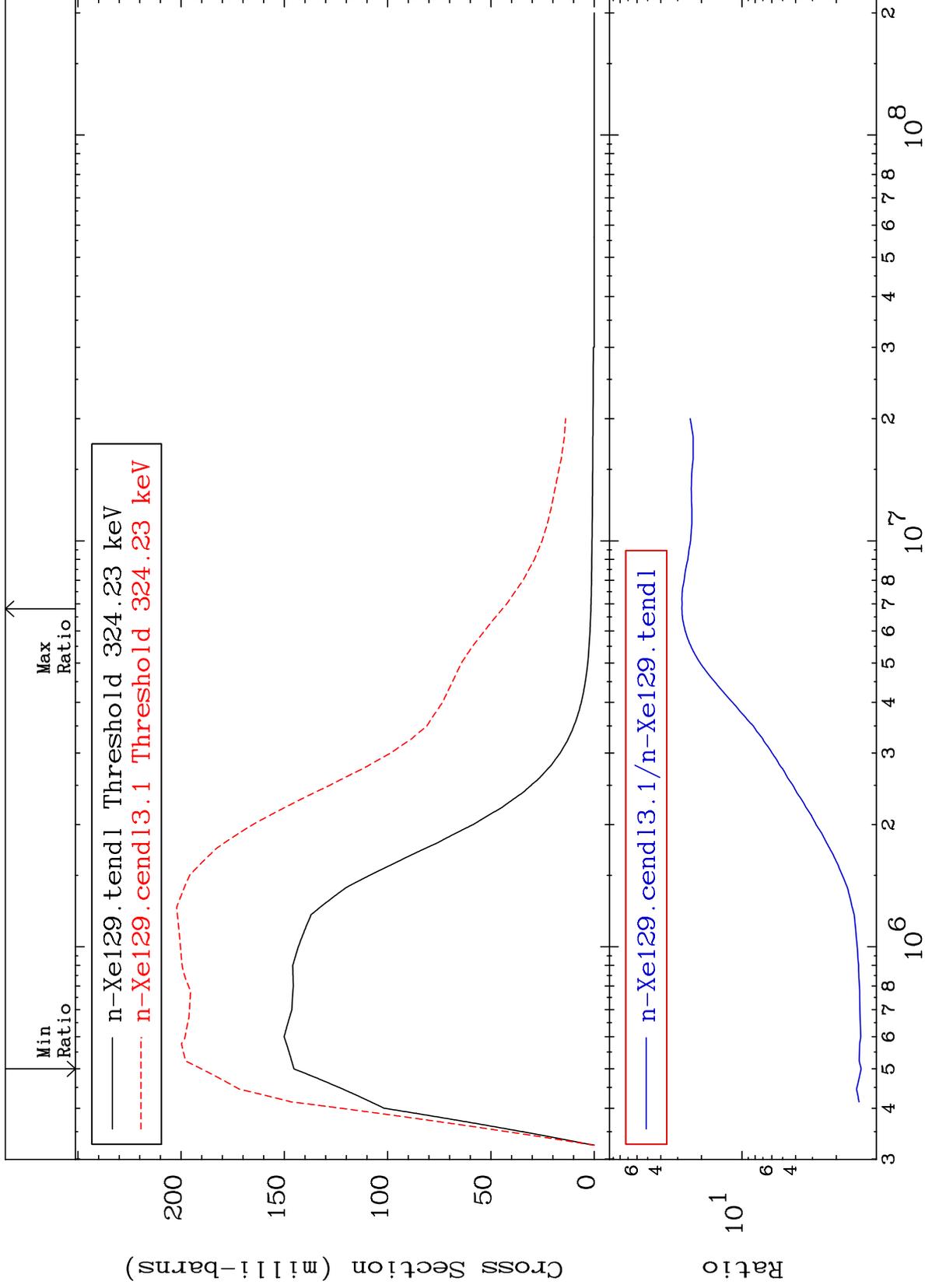
54-Xe-129
14.77 To 9999. %



MAT 5440

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

54-Xe-129
30.81 To 2689. %



12

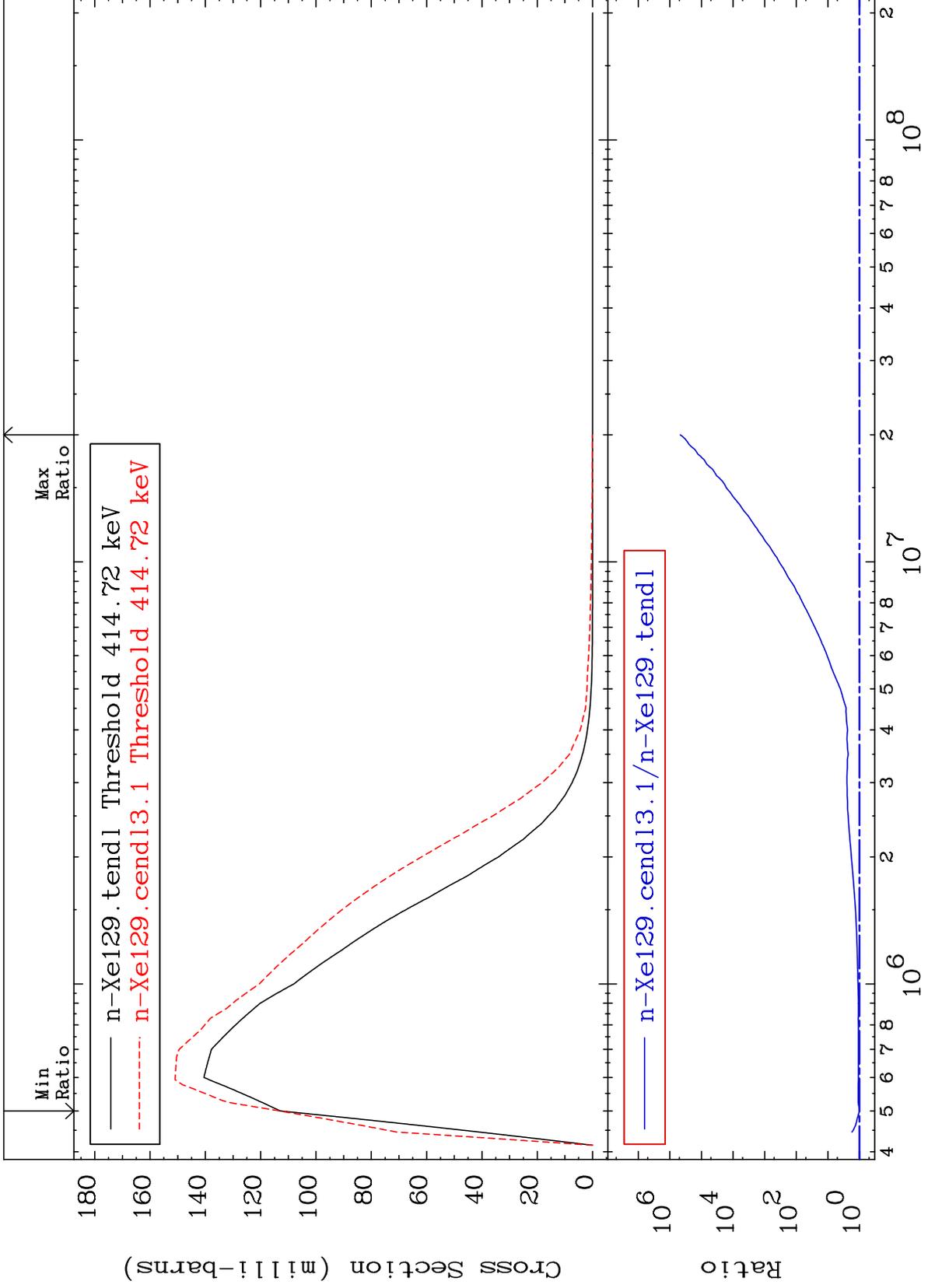
54-Xe-129

54-Xe-129

MAT 5440

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

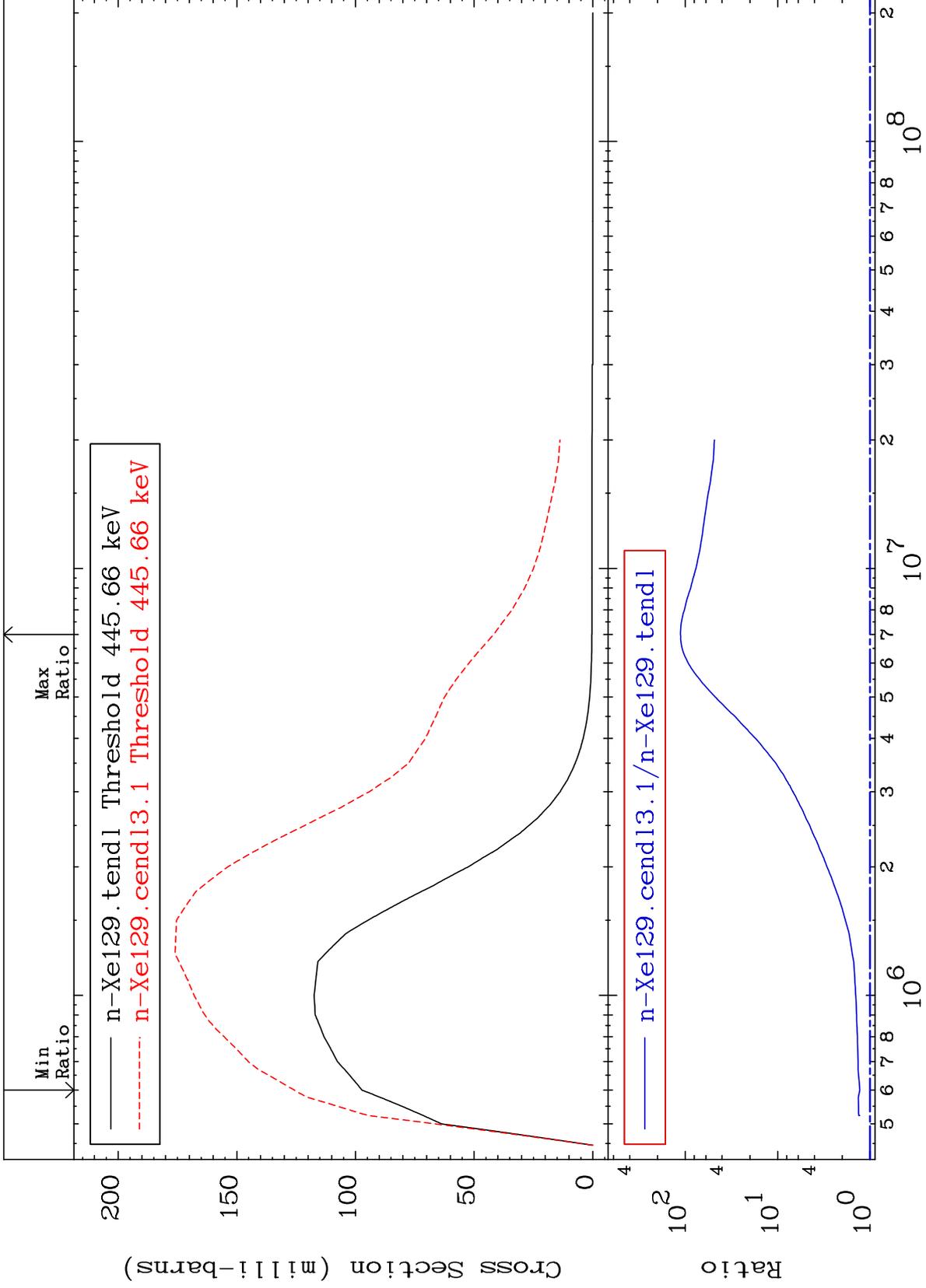
54-Xe-129
0.214 To 9999. %



MAT 5440

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

54-Xe-129
29.34 To 9999. %



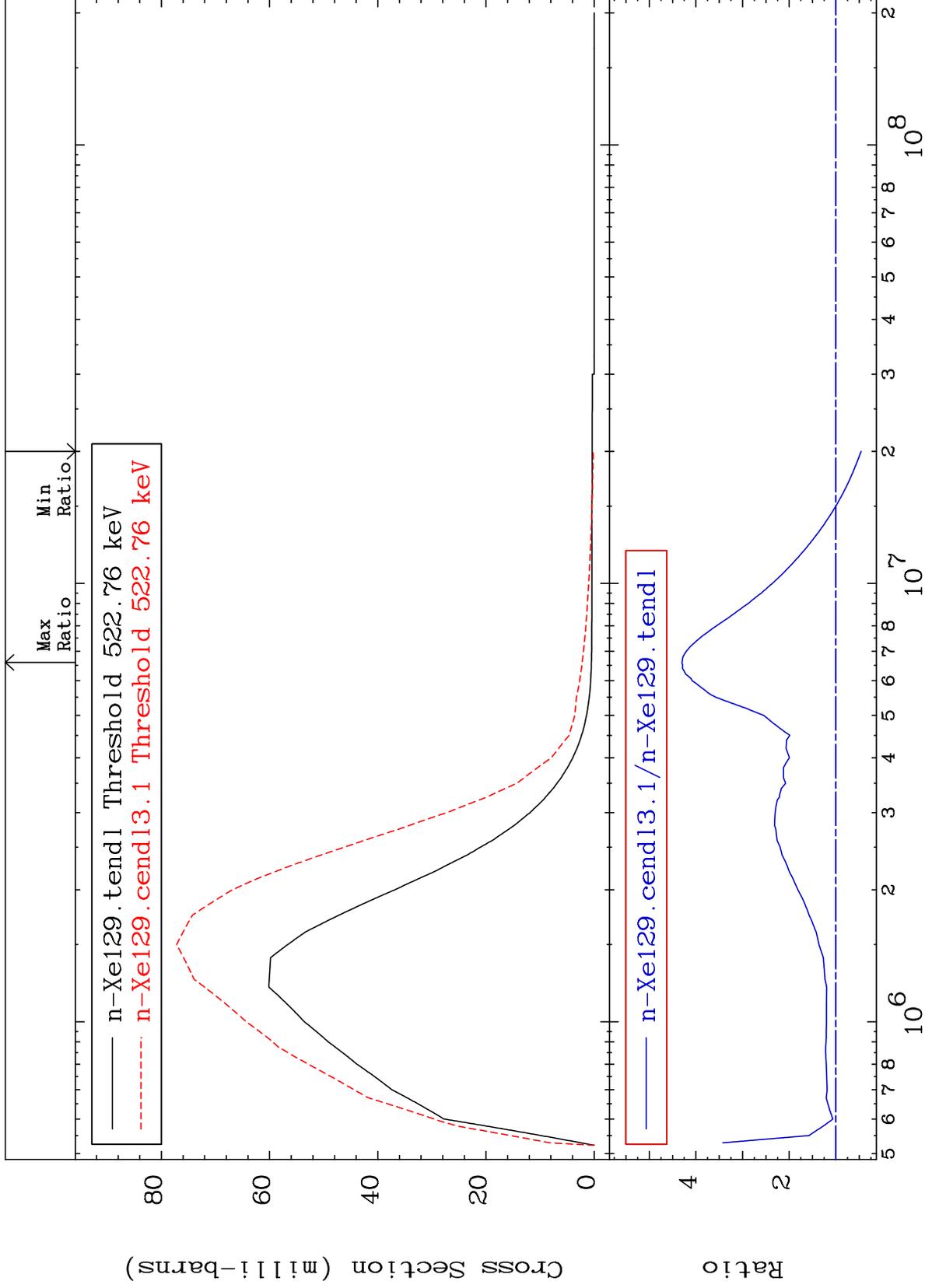
14

54-Xe-129

MAT 5440

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

54-Xe-129
-54.16 To 330.0 %



15

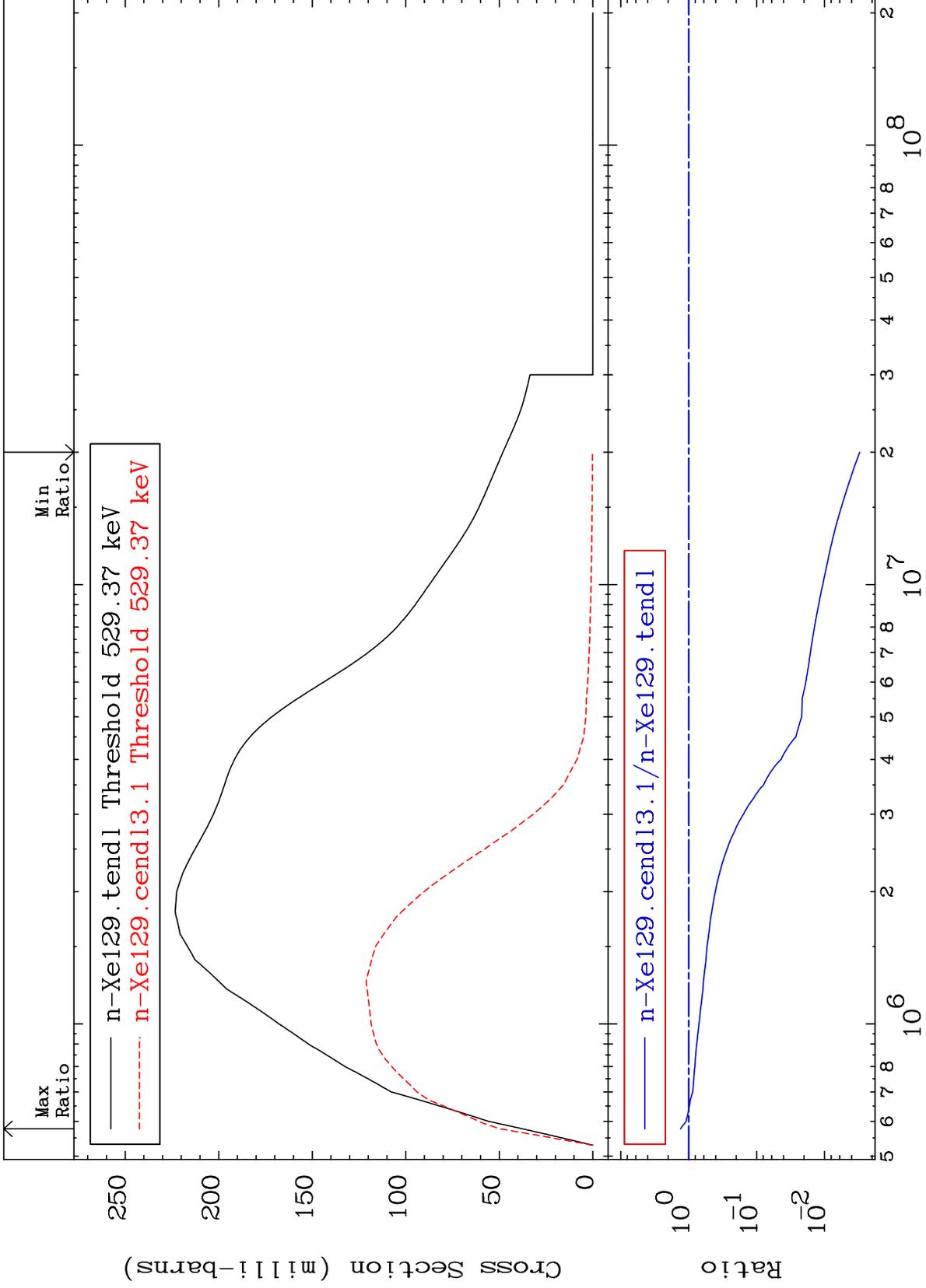
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129
-99.70 To 31.84 %



16

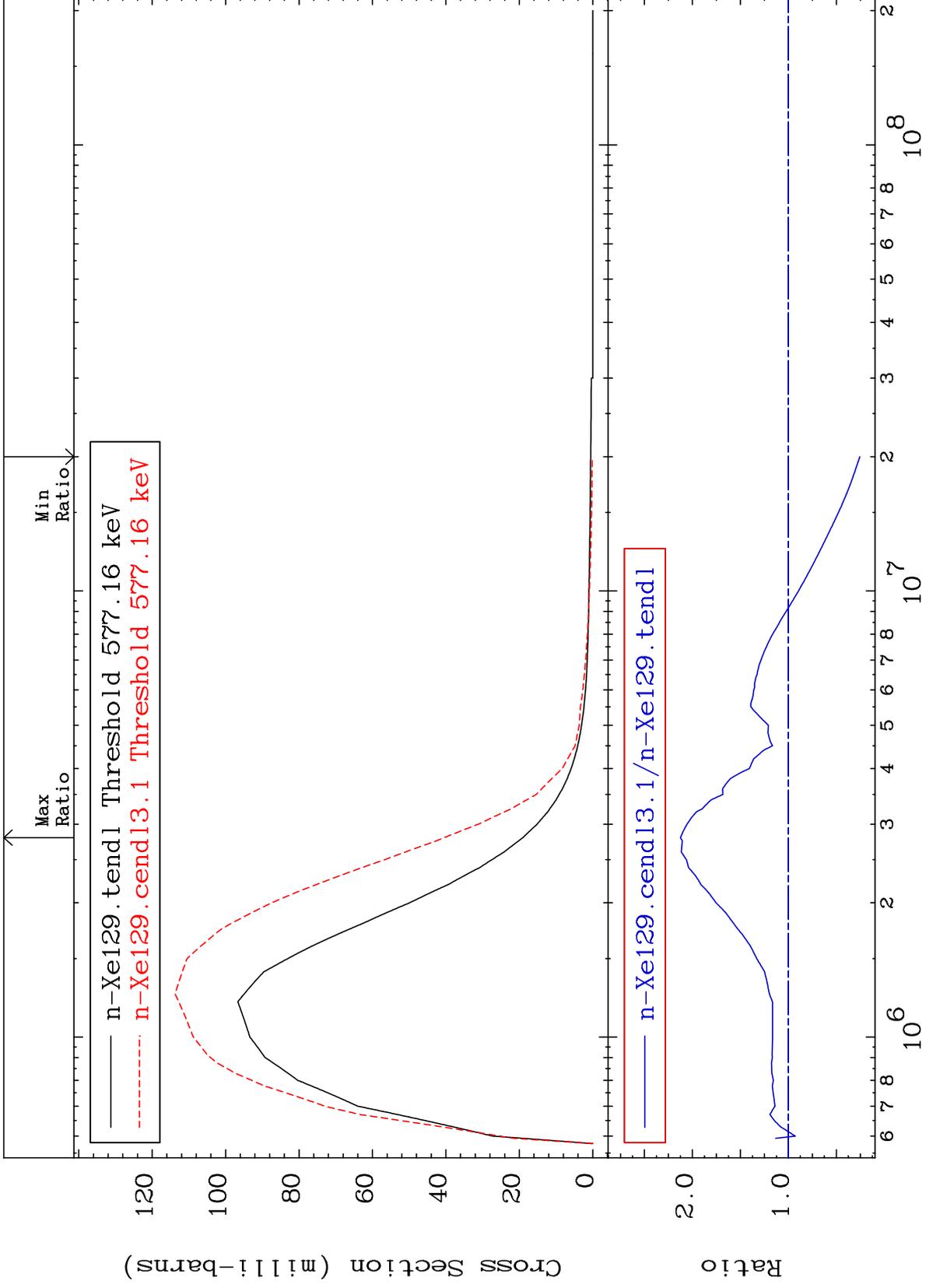
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129
-74.41 To 112.4 %



17

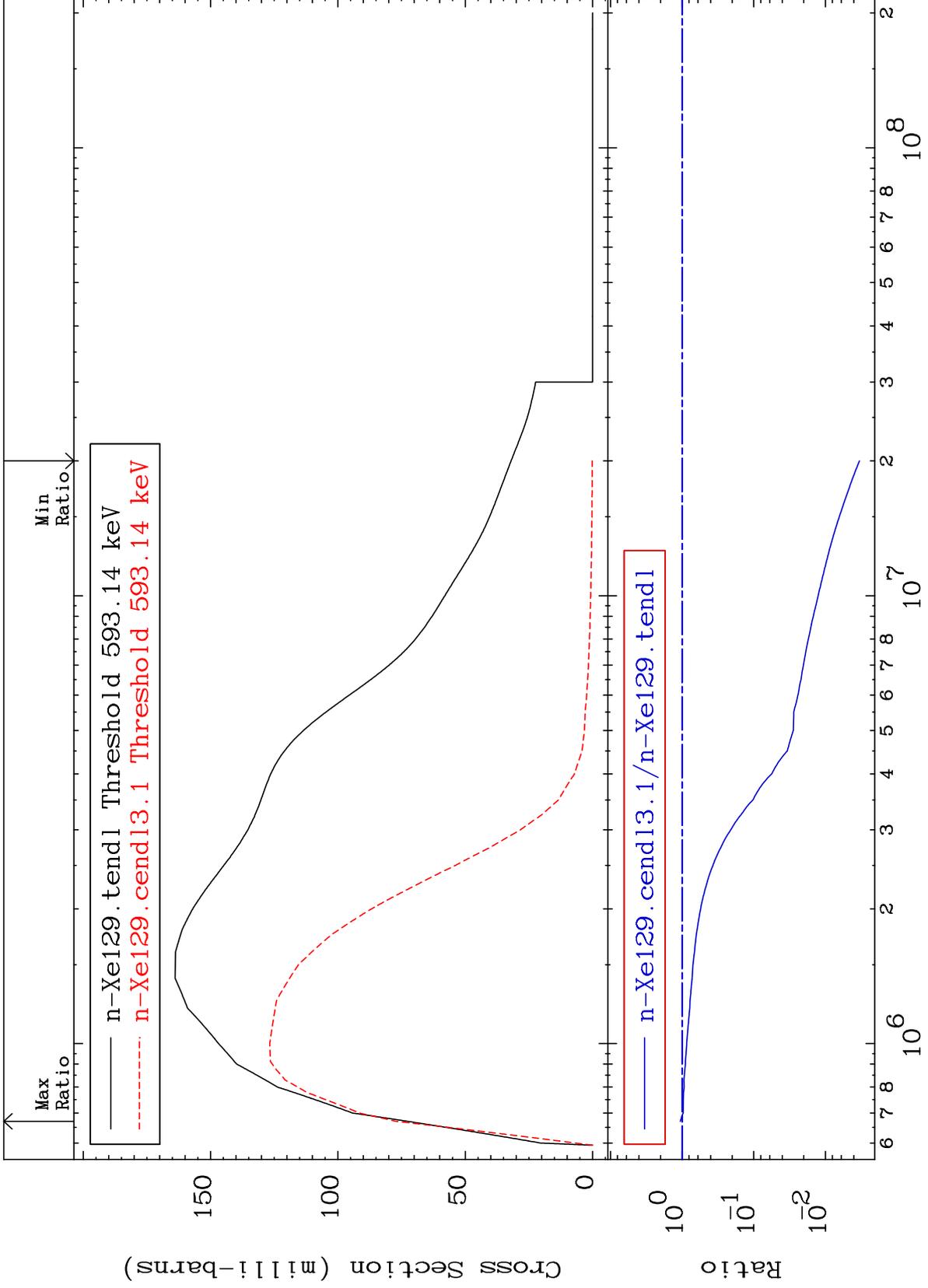
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129
-99.67 To 6.174 %



18

Incident Energy (eV)

54-Xe-129

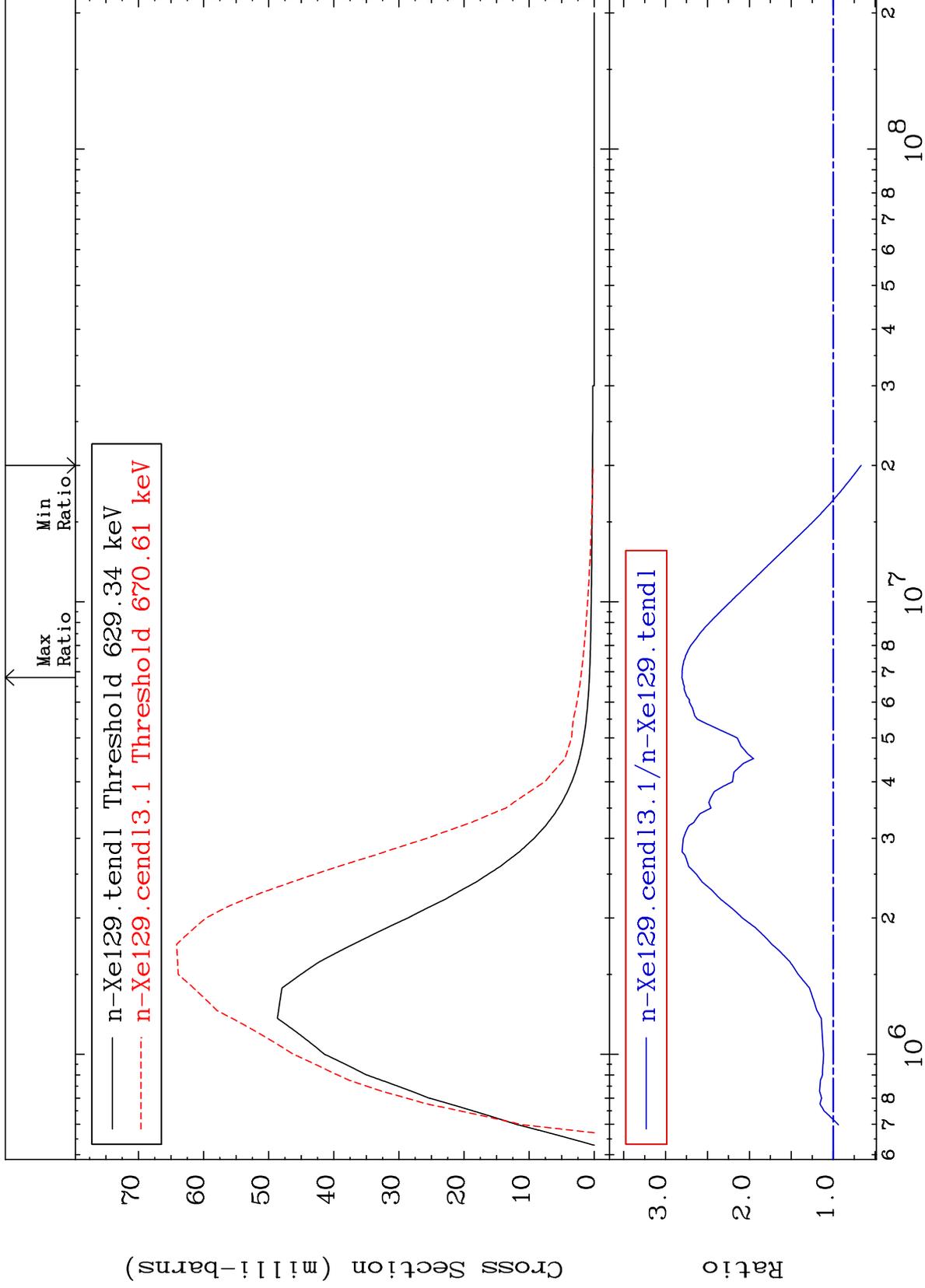
MAT 5440

MT= 62 (n,n') Level

54-Xe-129

-33.30 To 180.5 %

Cross Section



19

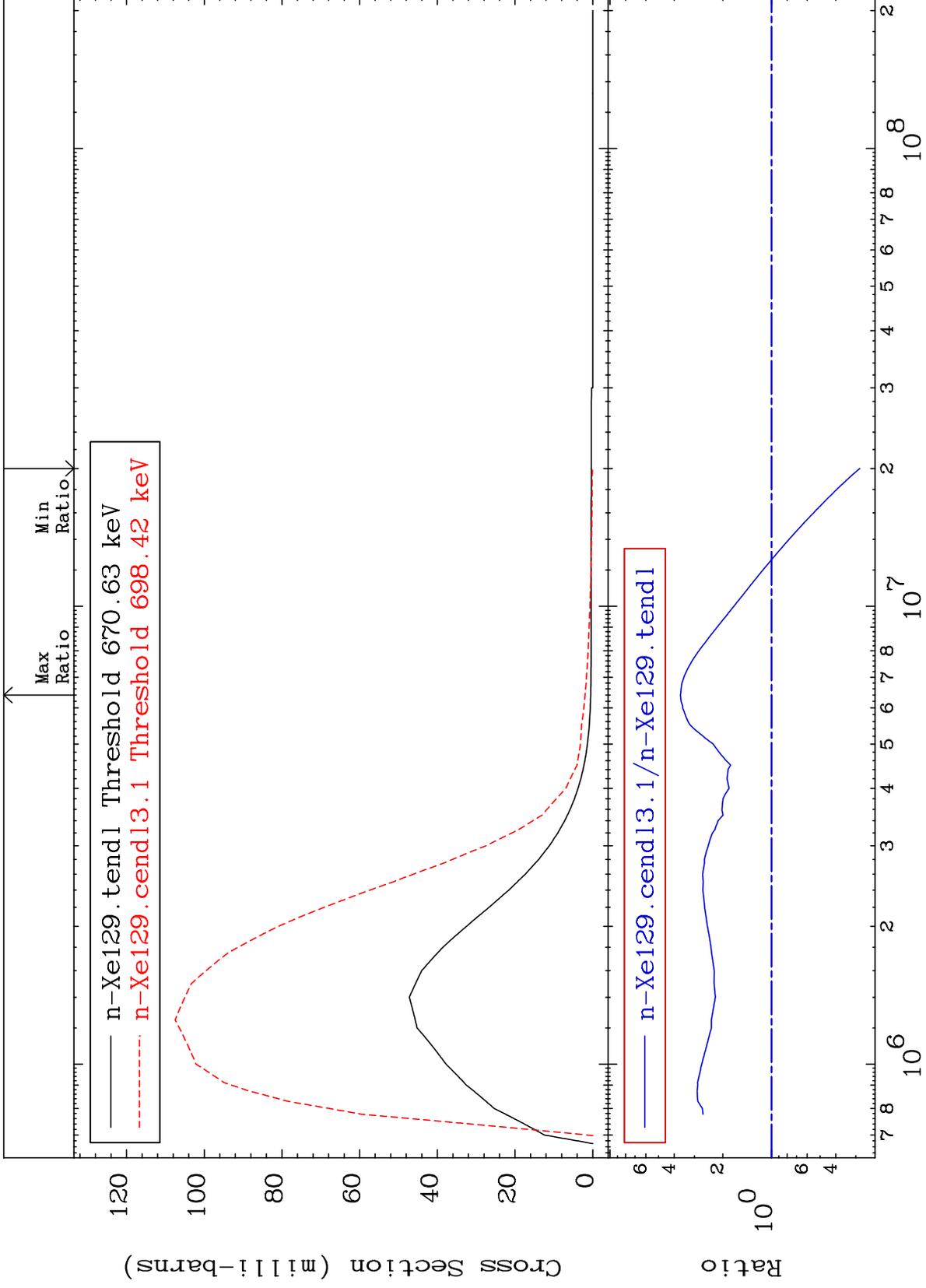
Incident Energy (eV)

54-Xe-129

MAT 5440

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

54-Xe-129
-71.64 To 265.6 %



20

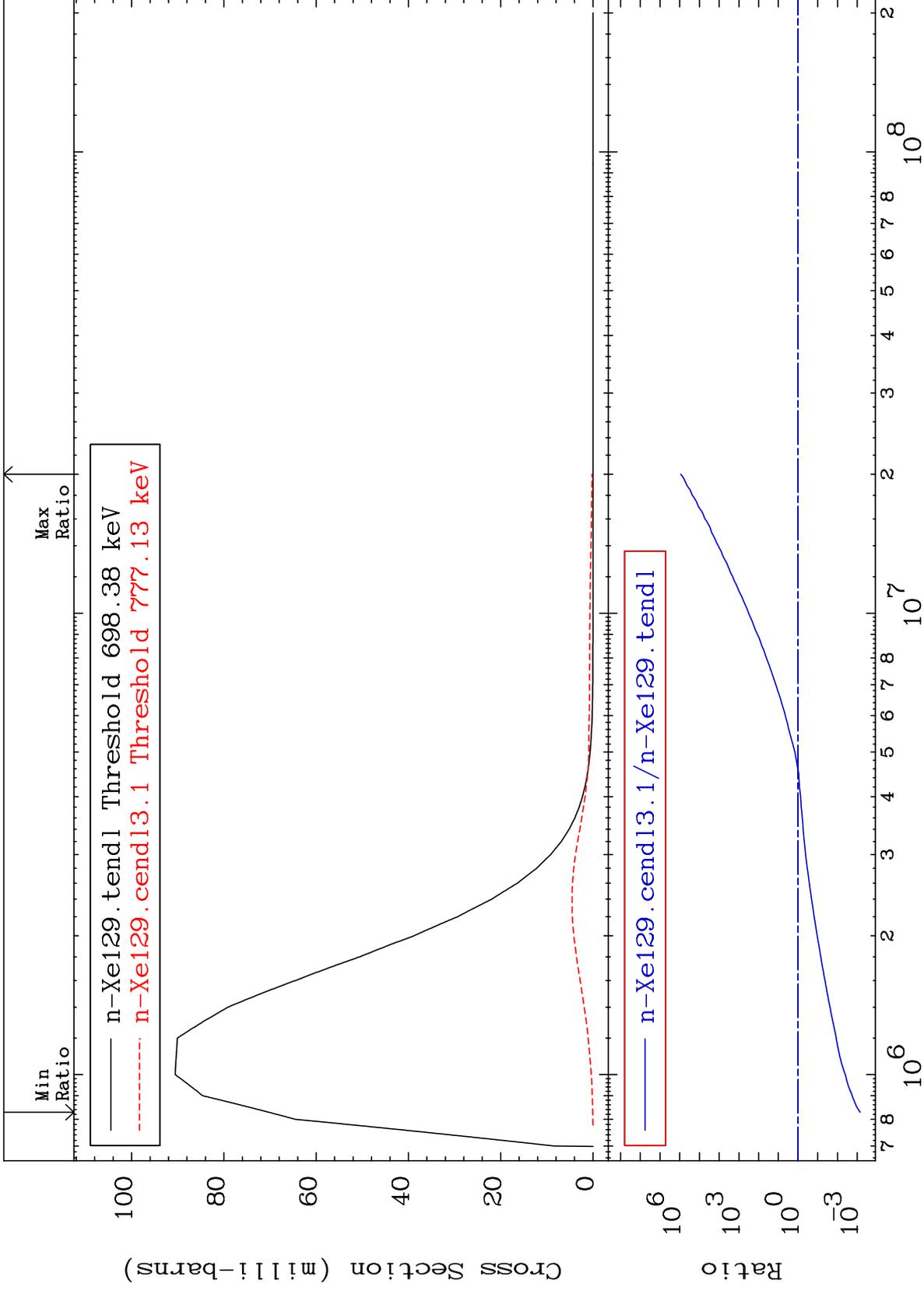
Incident Energy (eV)

54-Xe-129

MAT 5440

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

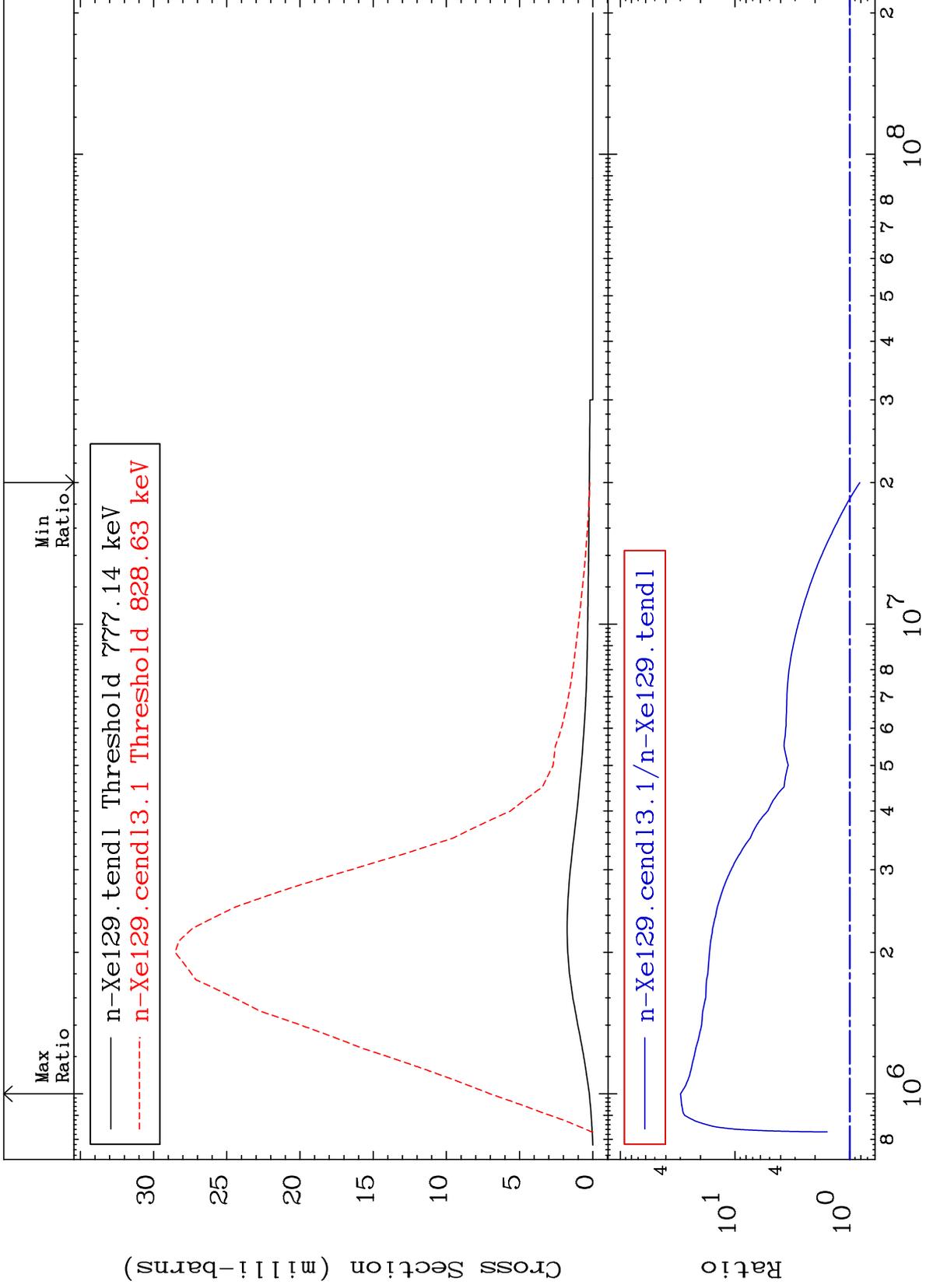
54-Xe-129
-99.93 To 9999. %



MAT 5440

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

54-Xe-129
-18.30 To 2883. %



22

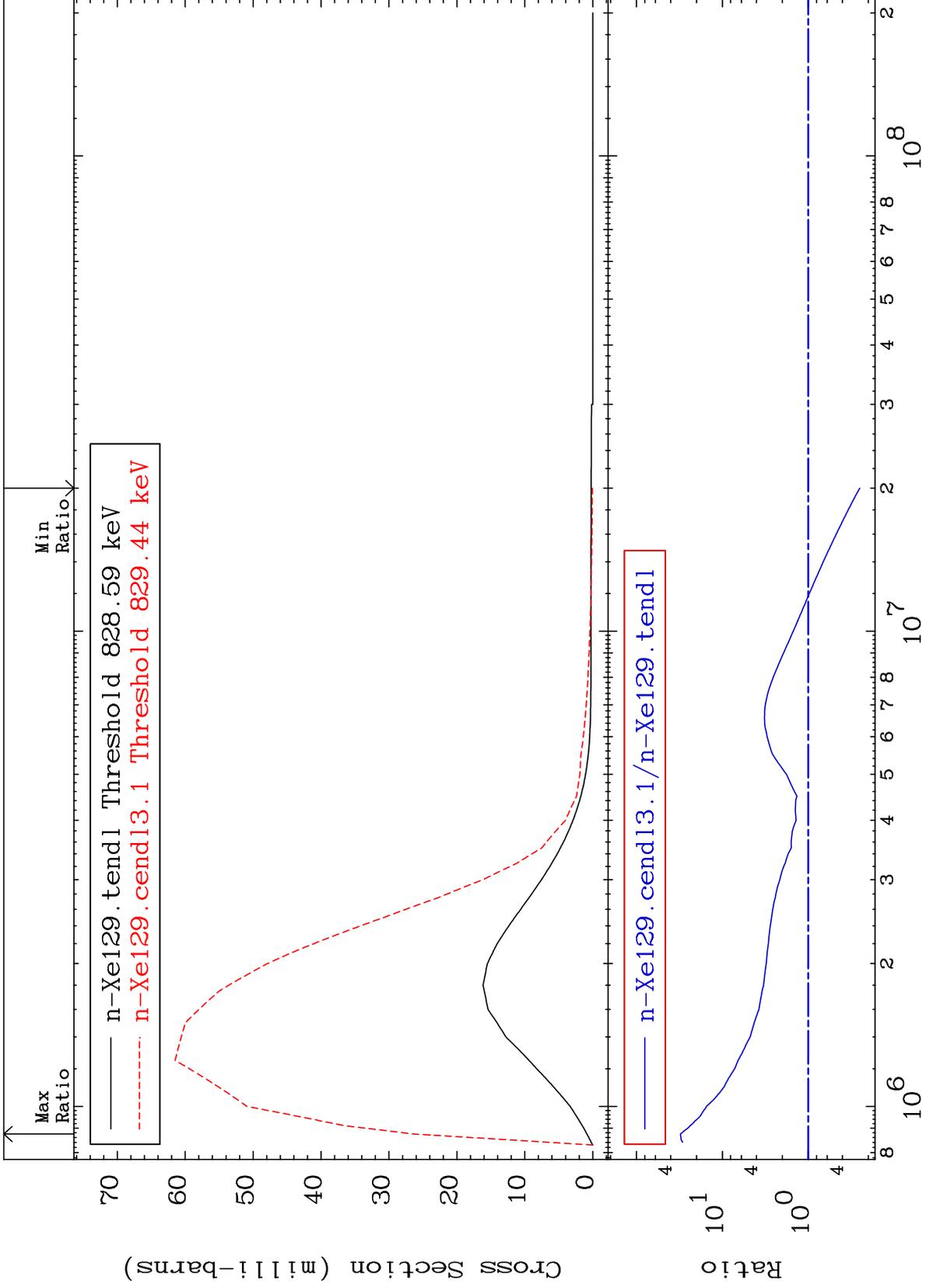
Incident Energy (eV)

54-Xe-129

MAT 5440

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

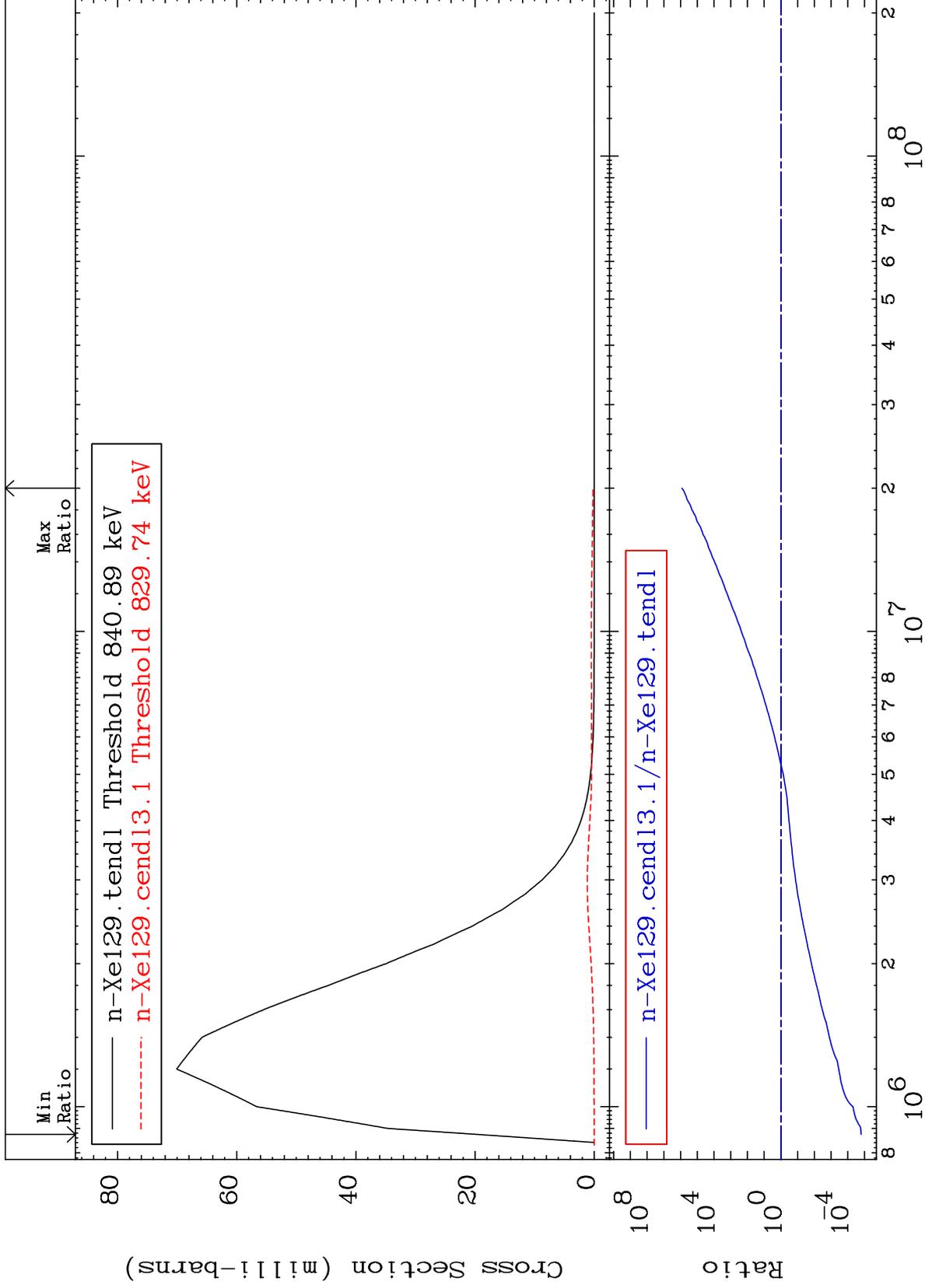
54-Xe-129
-74.89 To 2969. %



MAT 5440

MT= 67 (n,n') Level
Cross Section

54-Xe-129
-100.0 To 9999. %



24

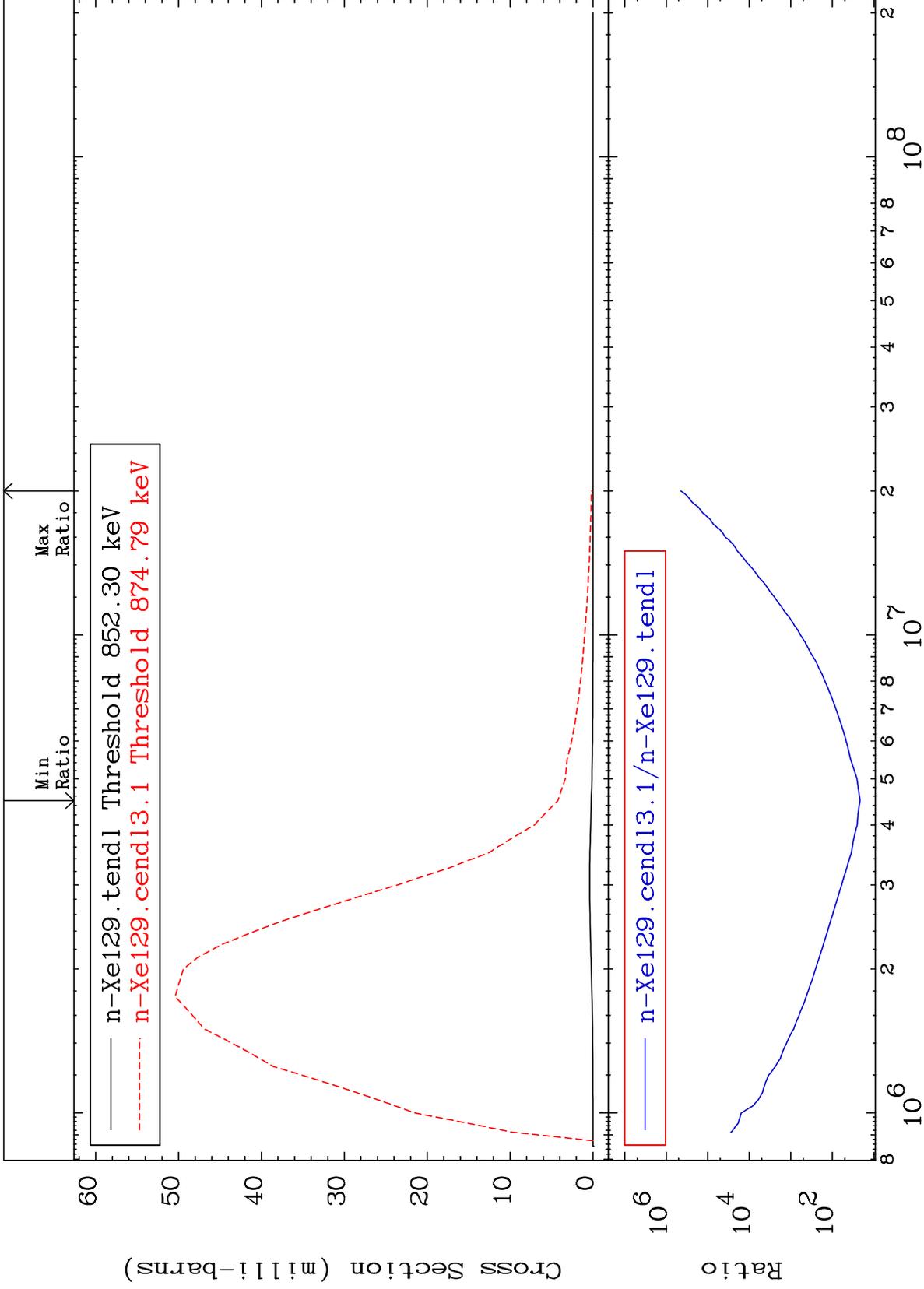
Incident Energy (eV)

54-Xe-129

MAT 5440

MT= 68 (n,n') Level
Cross Section

54-Xe-129
2046. To 9999. %



25

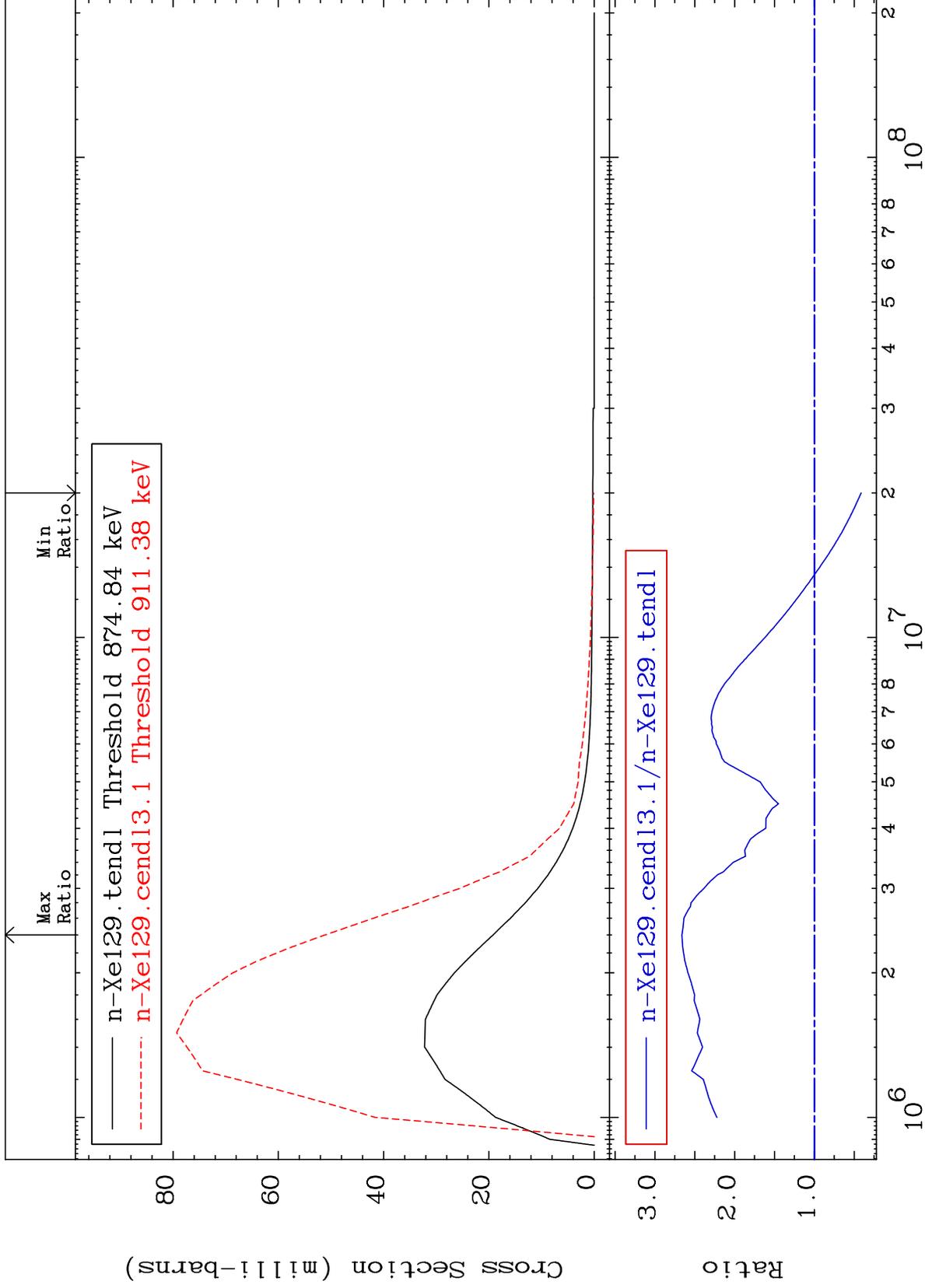
Incident Energy (eV)

54-Xe-129

MAT 5440

MT= 69 (n,n') Level
Cross Section

54-Xe-129
-58.68 To 166.2 %



26

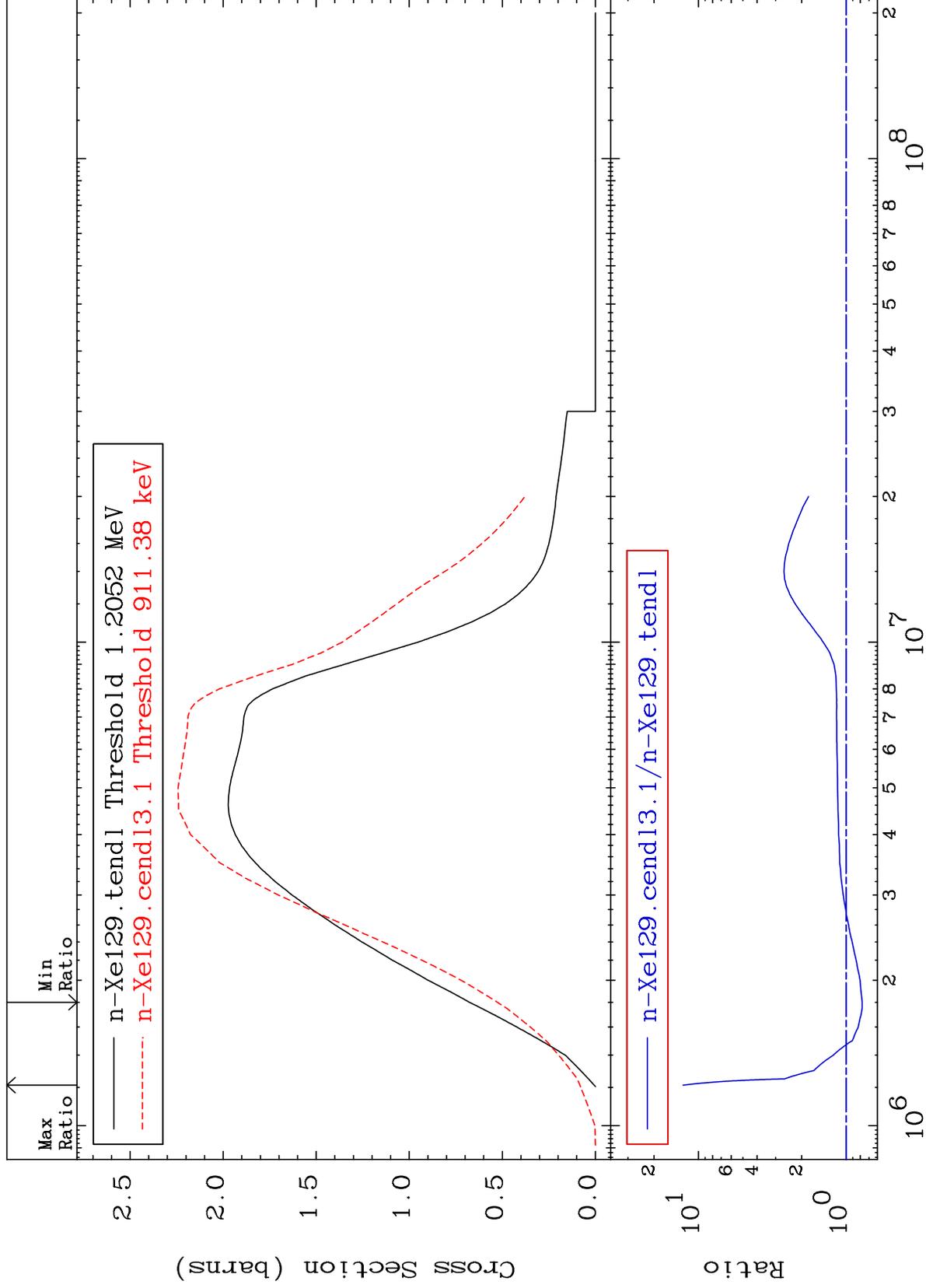
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, n') Continuum
Cross Section

54-Xe-129
-22.19 To 1170. %



27

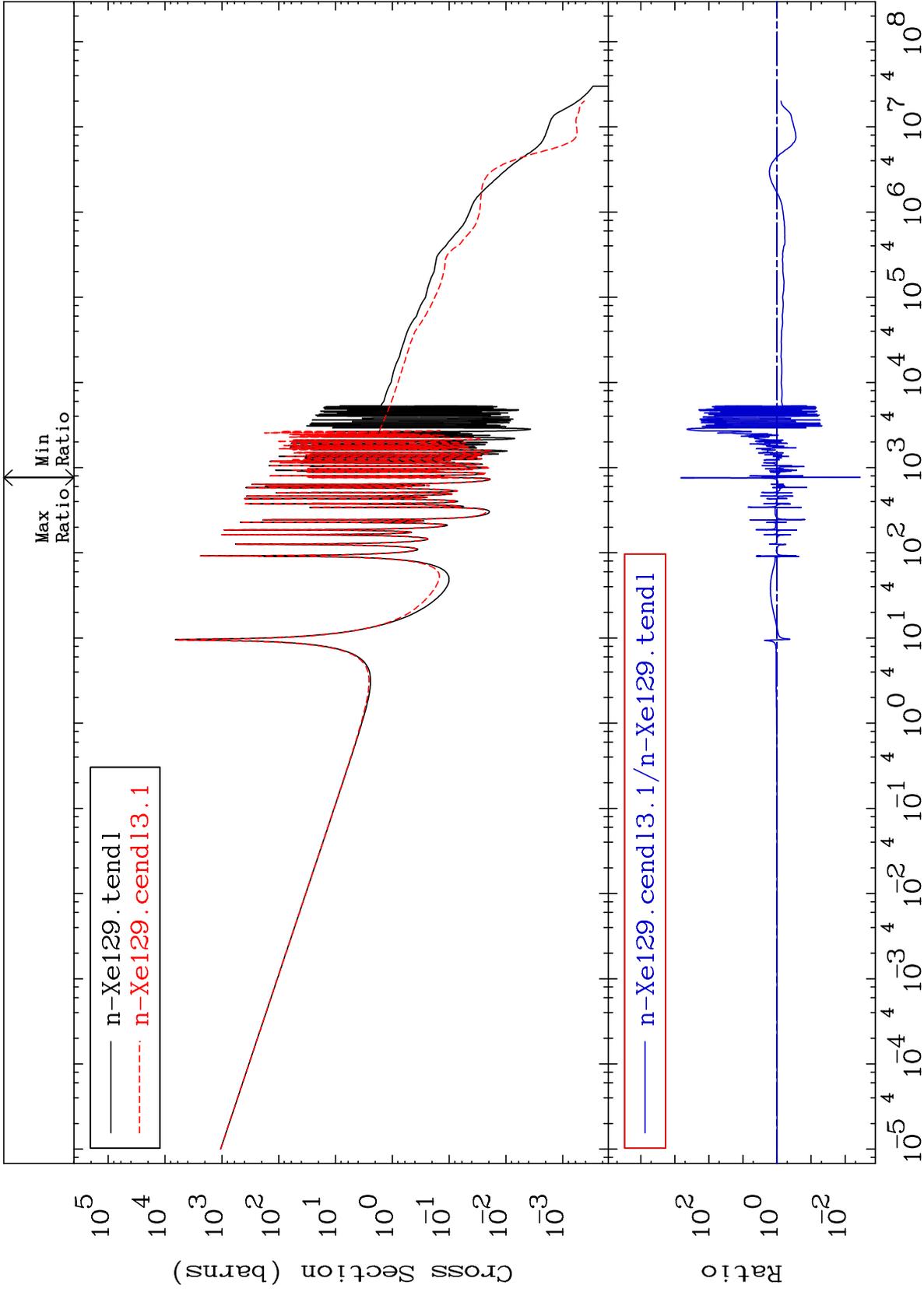
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, γ)
Cross Section

54-Xe-129
-99.63 To 9999. %



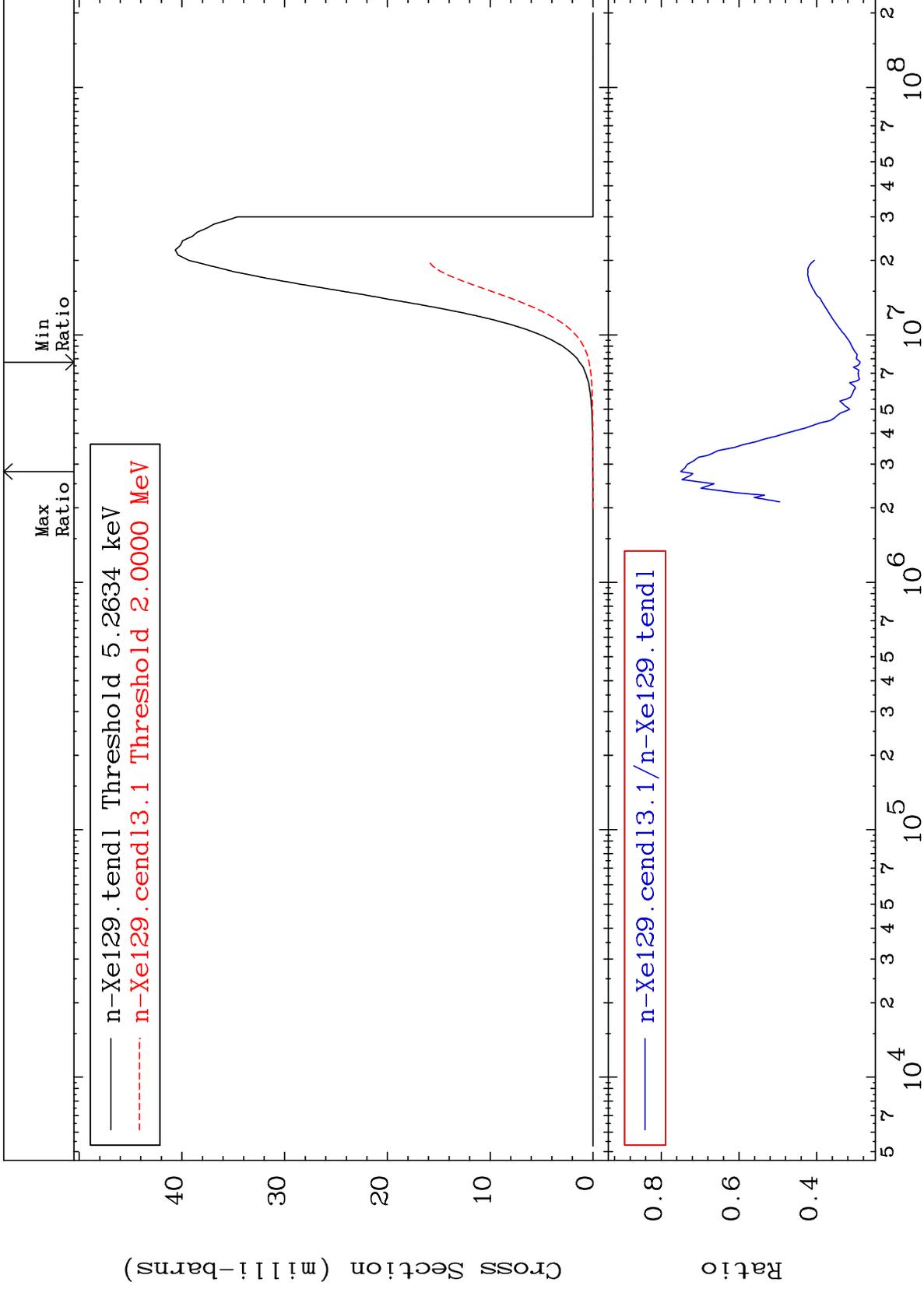
MAT 5440

(n, p)

54-Xe-129

Cross Section

-71.16 To -25.02%



MAT 5440

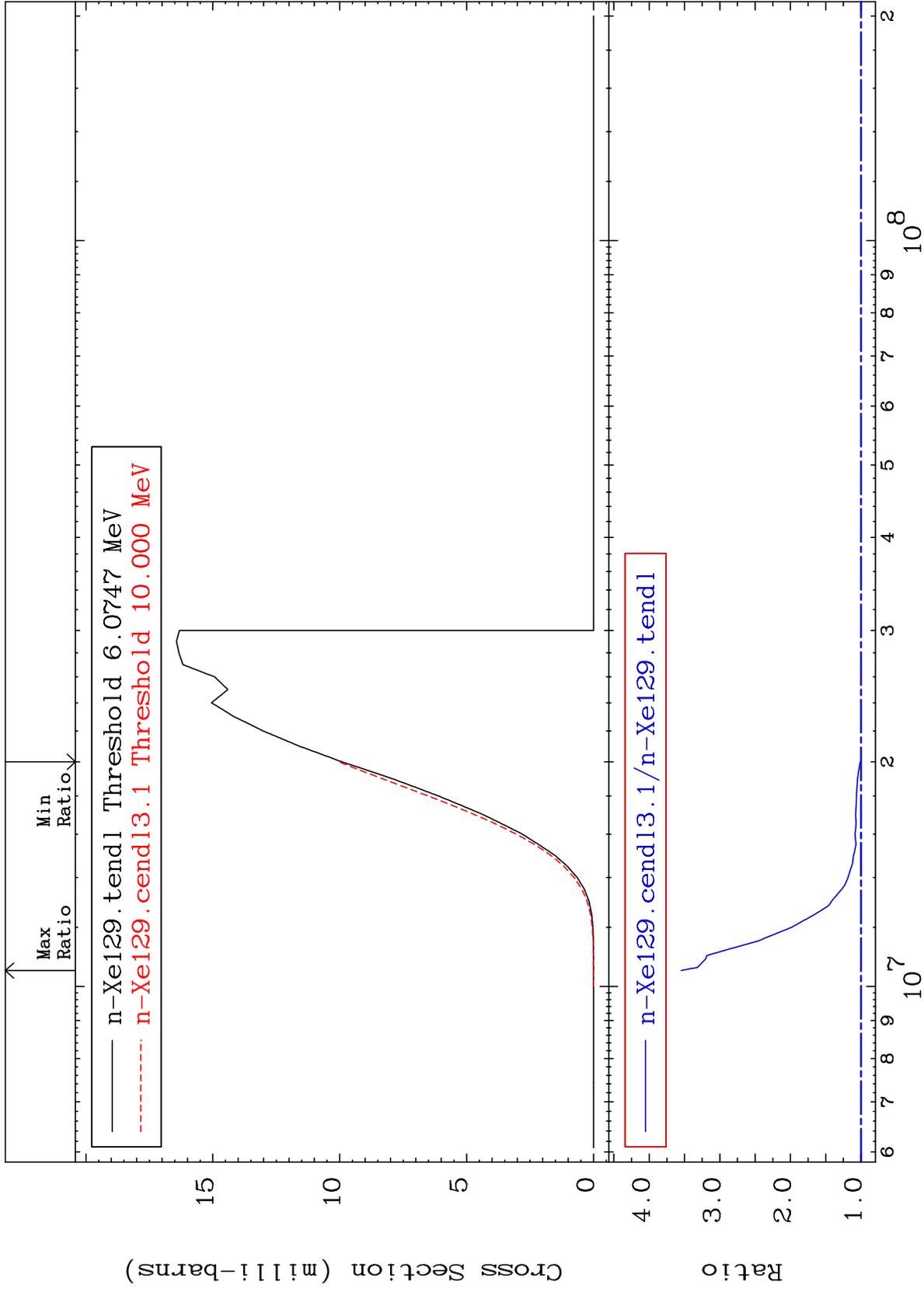
(n, d)

54-Xe-129

Cross Section

1.208

To 254.7 %



30

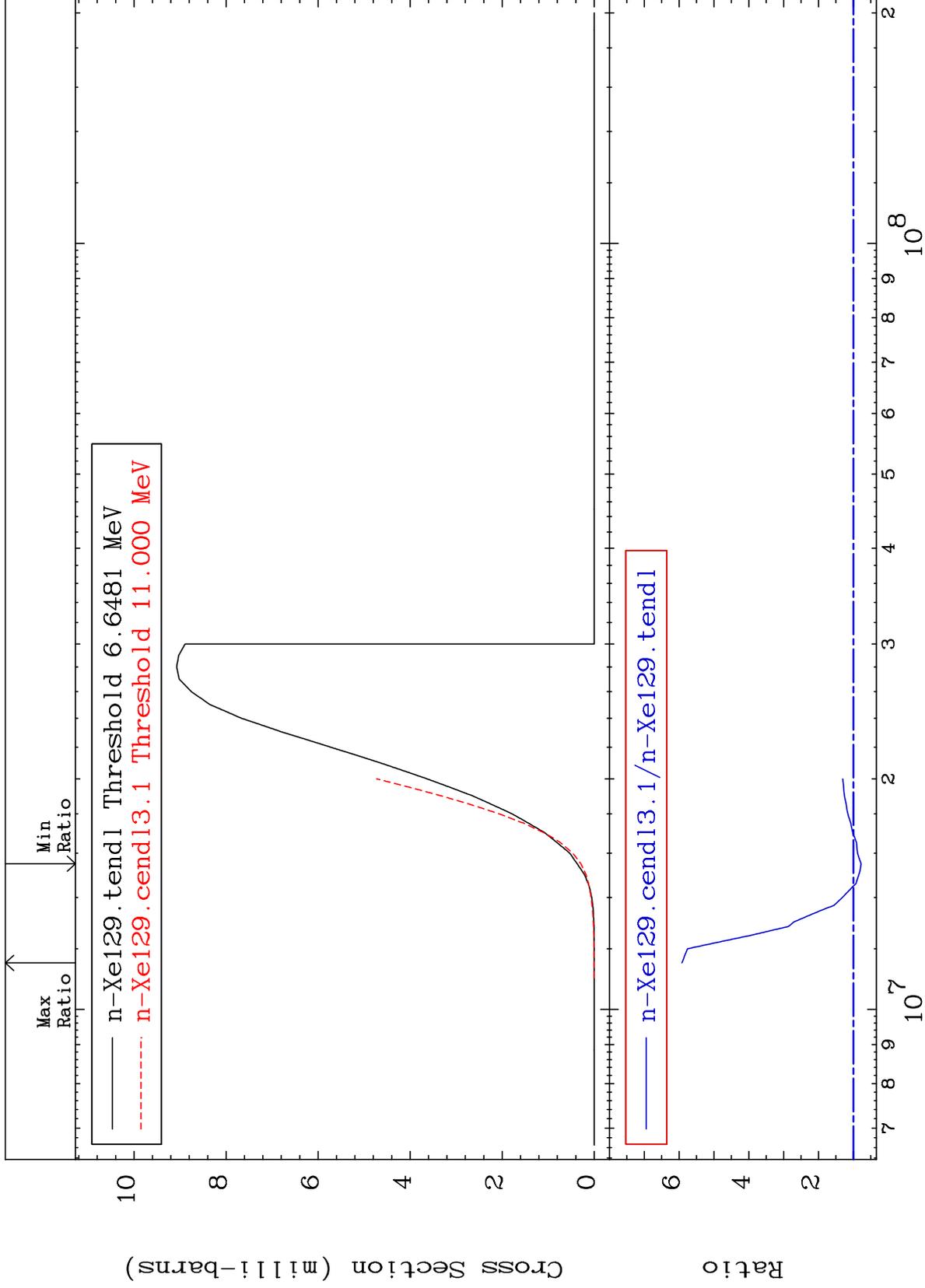
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, t)
Cross Section

54-Xe-129
-22.27 To 491.9 %



31

54-Xe-129

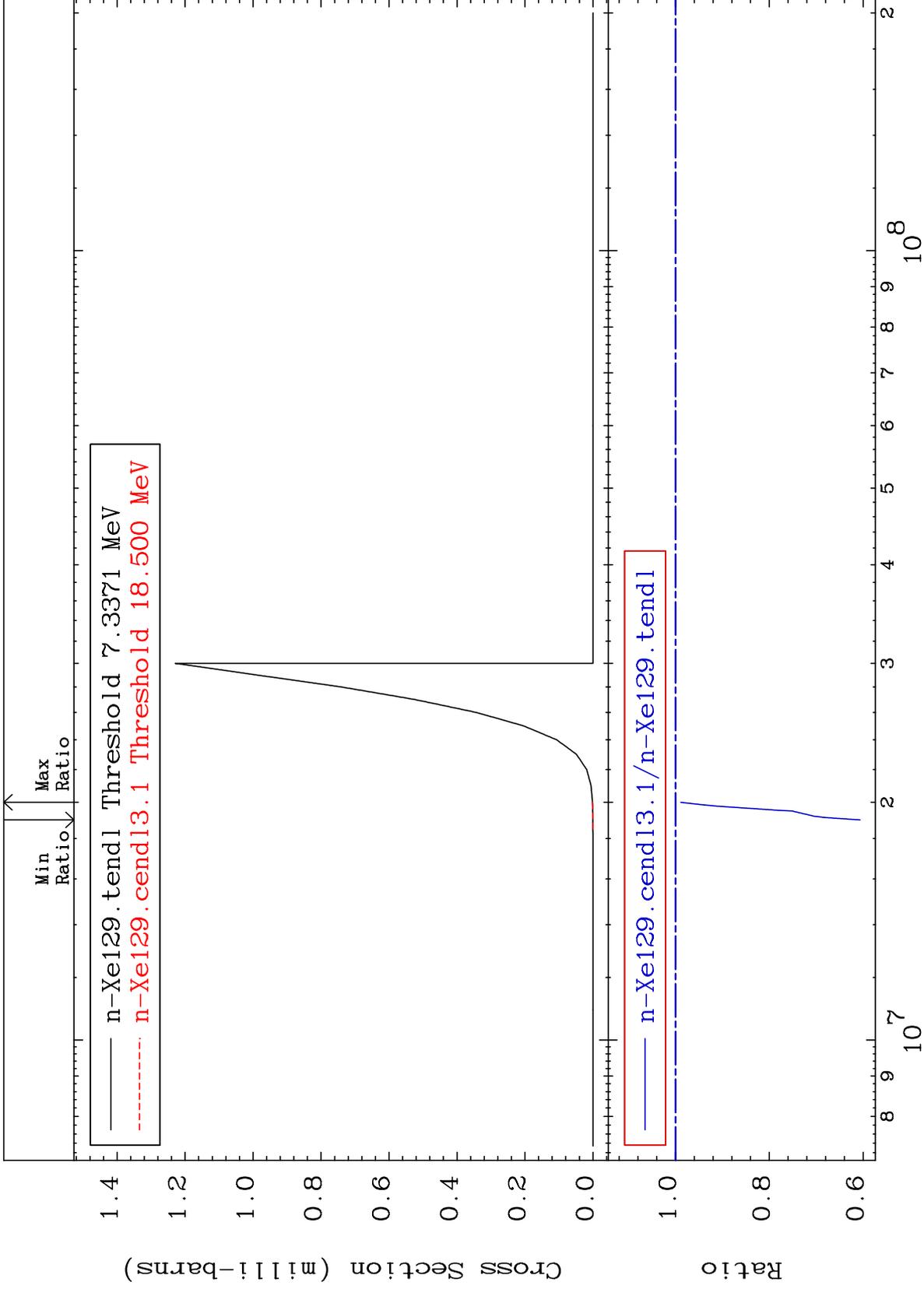
MAT 5440

(n, He-3)

54-Xe-129

Cross Section

-39.35 To -1.127%



32

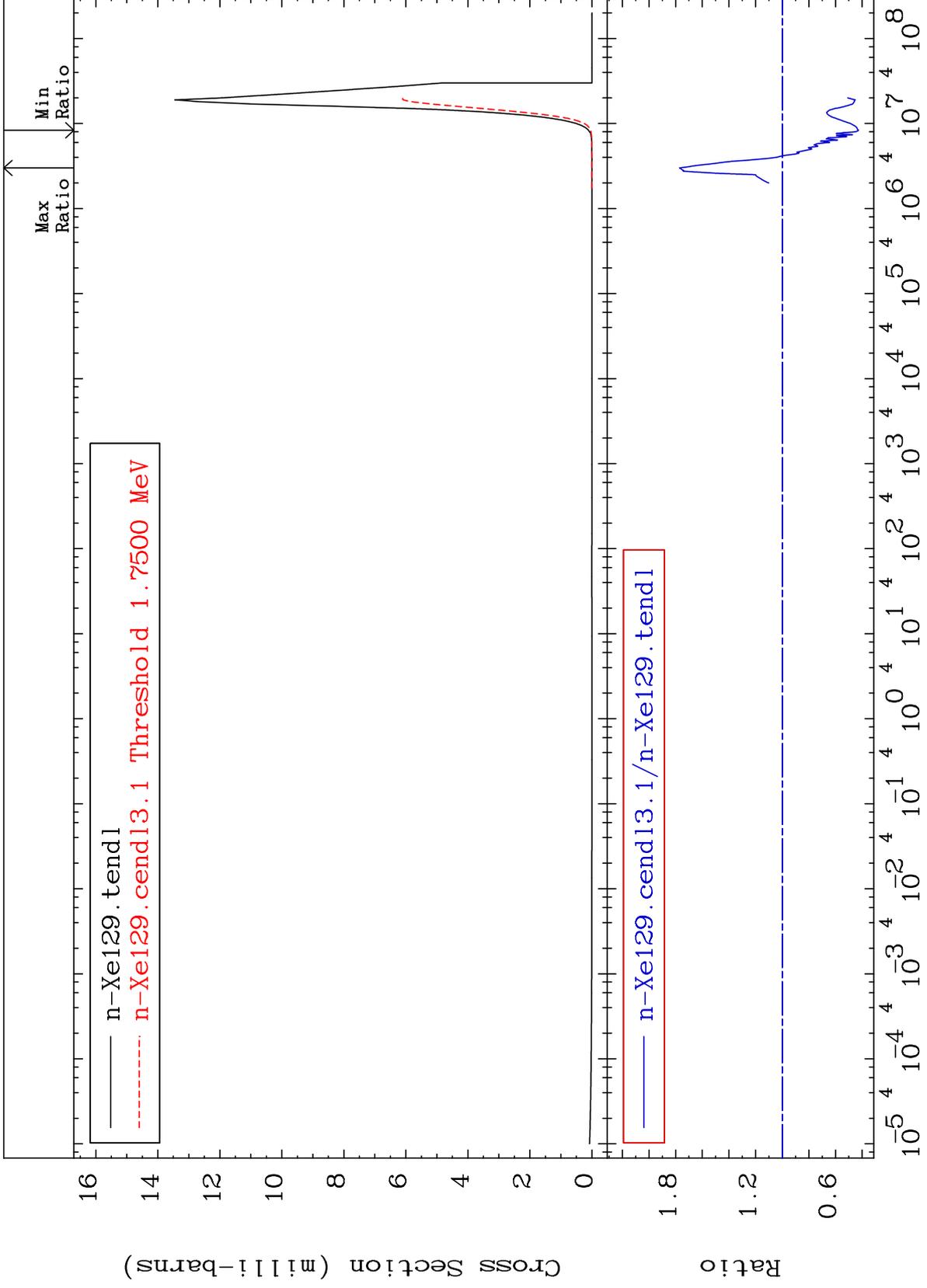
Incident Energy (eV)

54-Xe-129

MAT 5440

(n, α)
Cross Section

54-Xe-129
-57.29 To 77.08 %



Incident Energy (eV)

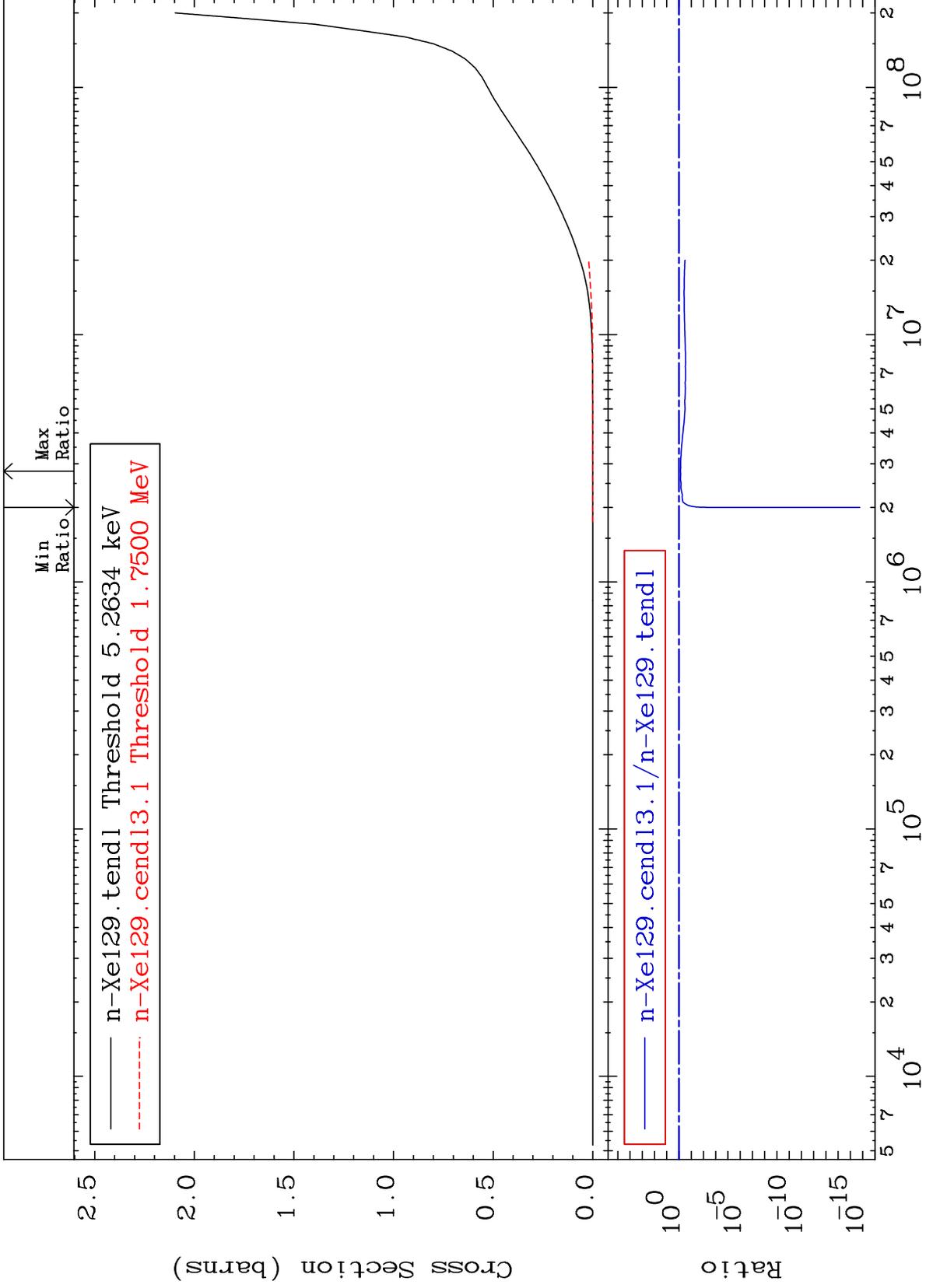
54-Xe-129

33

MAT 5440

Hydrogen Production
Cross Section

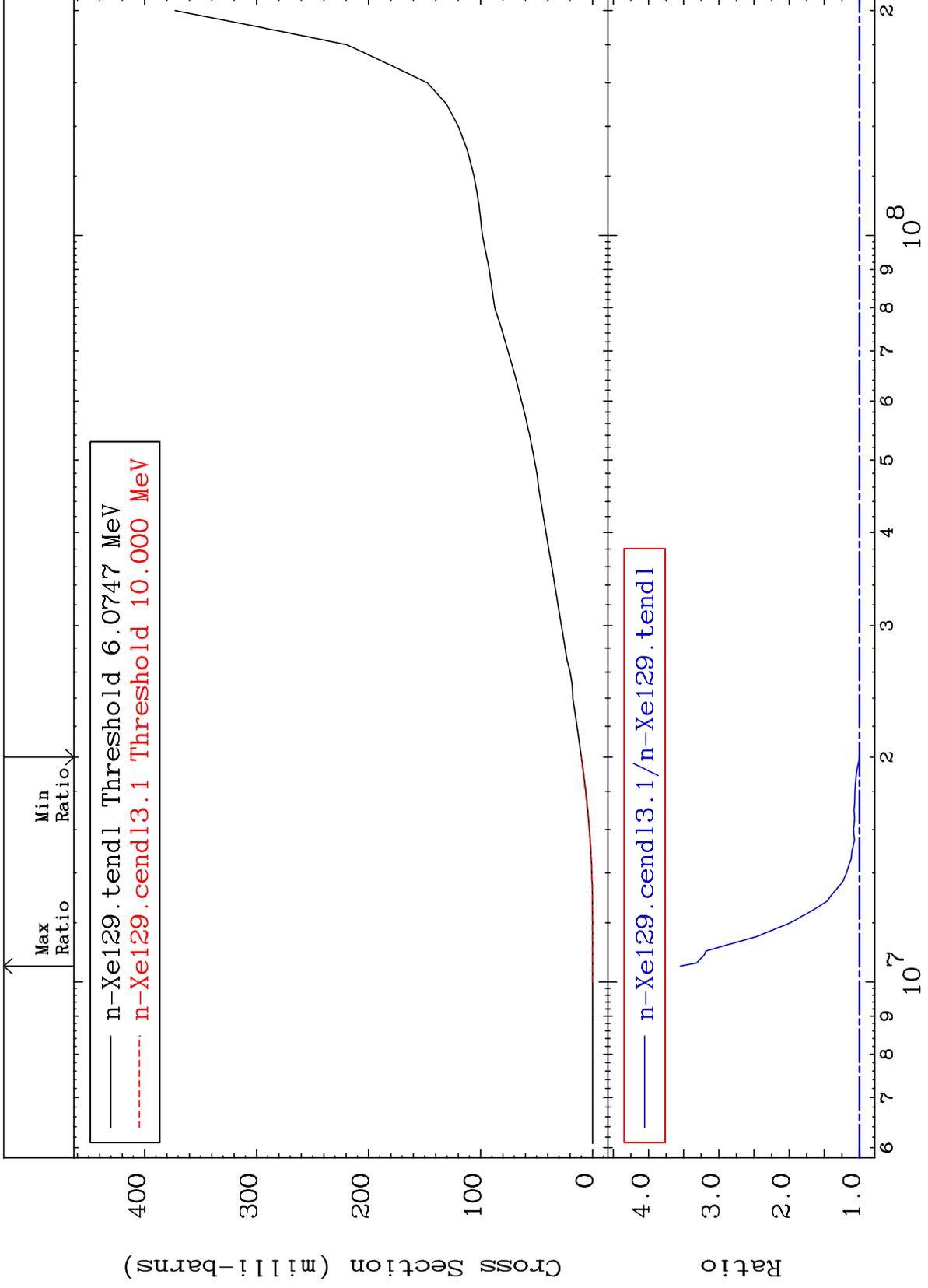
54-Xe-129
-100.0 To -25.02%



MAT 5440

Deuterium Production
Cross Section

54-Xe-129
-0.014 To 254.7 %



35

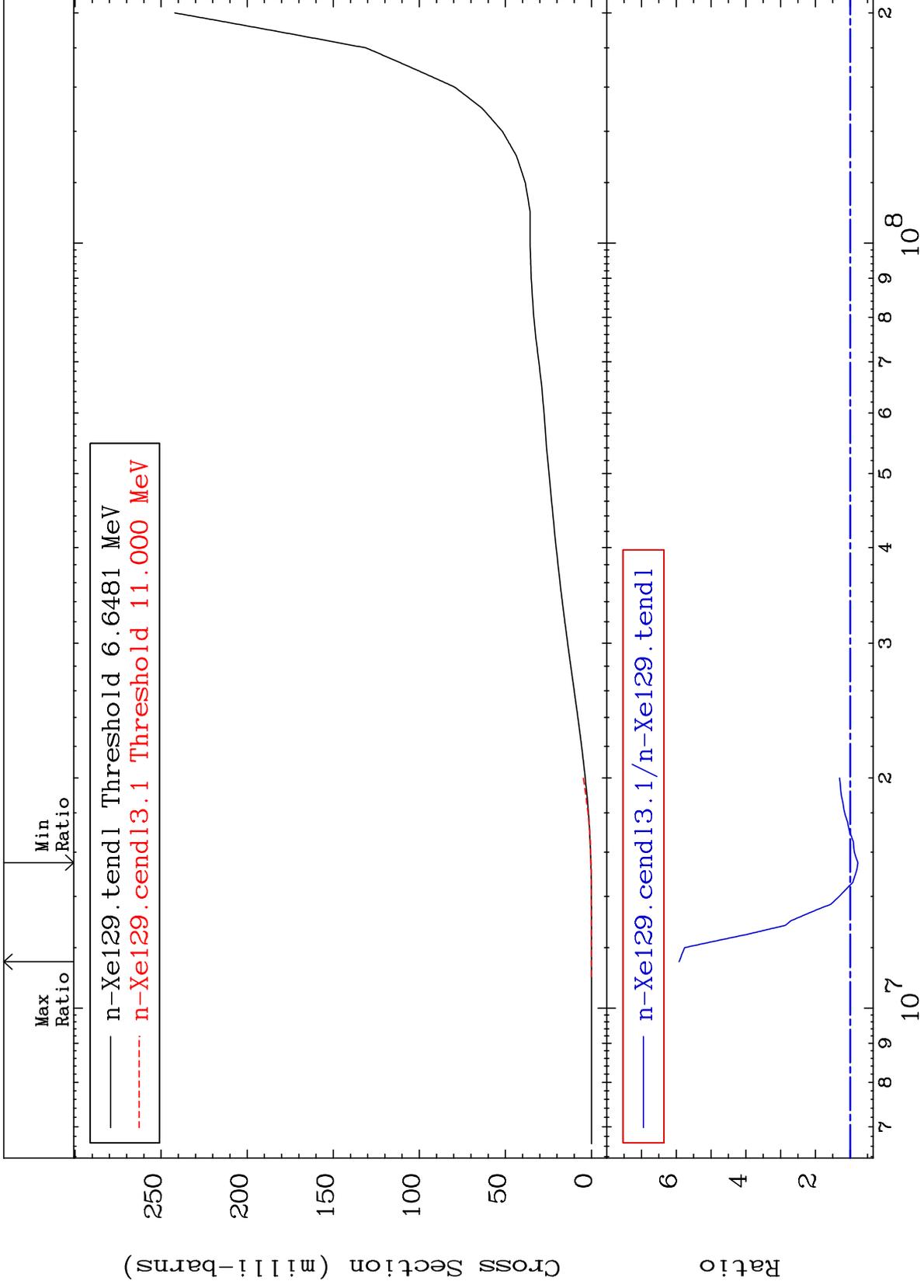
Incident Energy (eV)

54-Xe-129

MAT 5440

Tritium Production
Cross Section

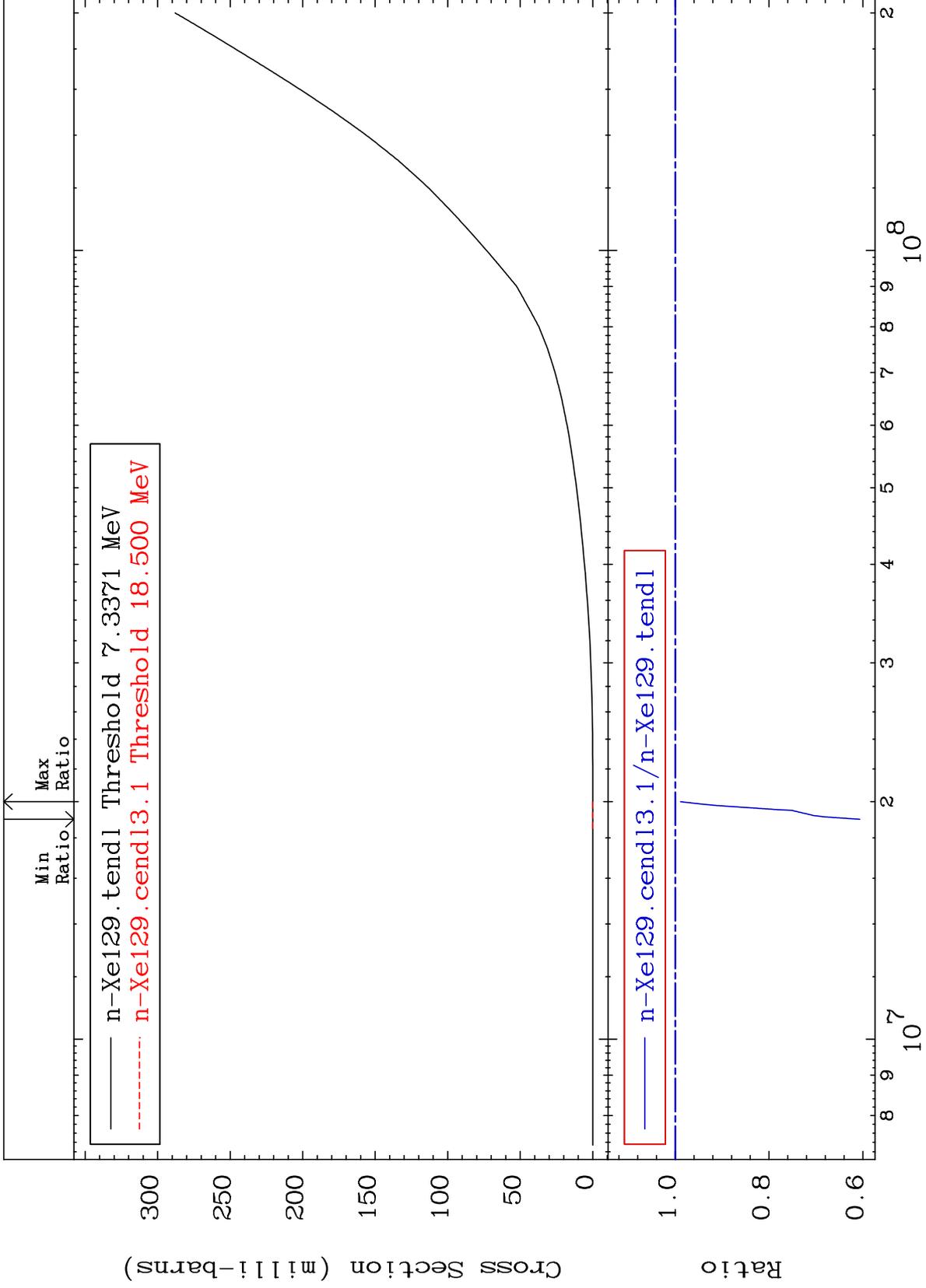
54-Xe-129
-22.27 To 491.9 %



MAT 5440

He-3 Production
Cross Section

54-Xe-129
-39.35 To -1.127%



37

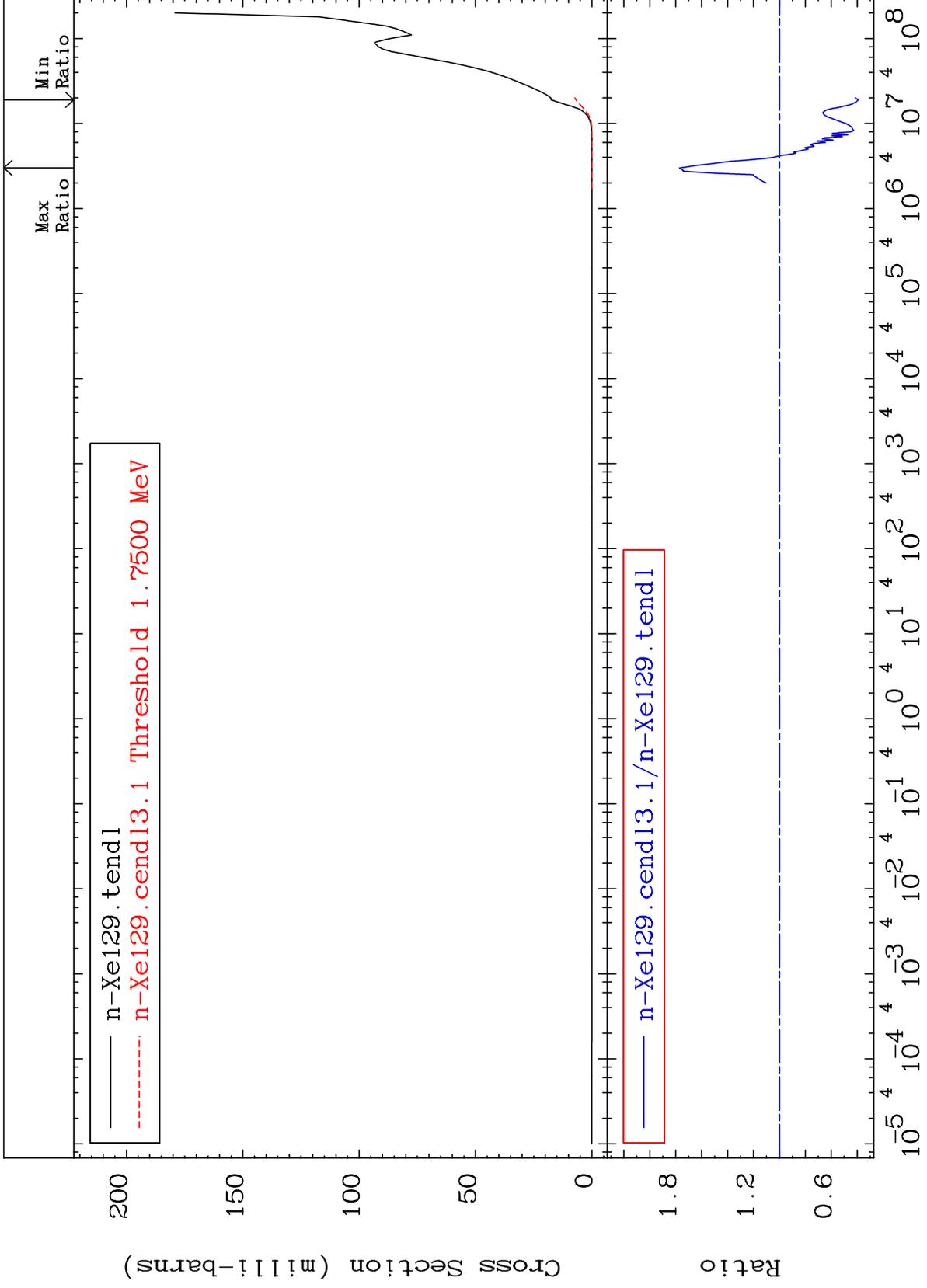
Incident Energy (eV)

54-Xe-129

MAT 5440

He-4 Production
Cross Section

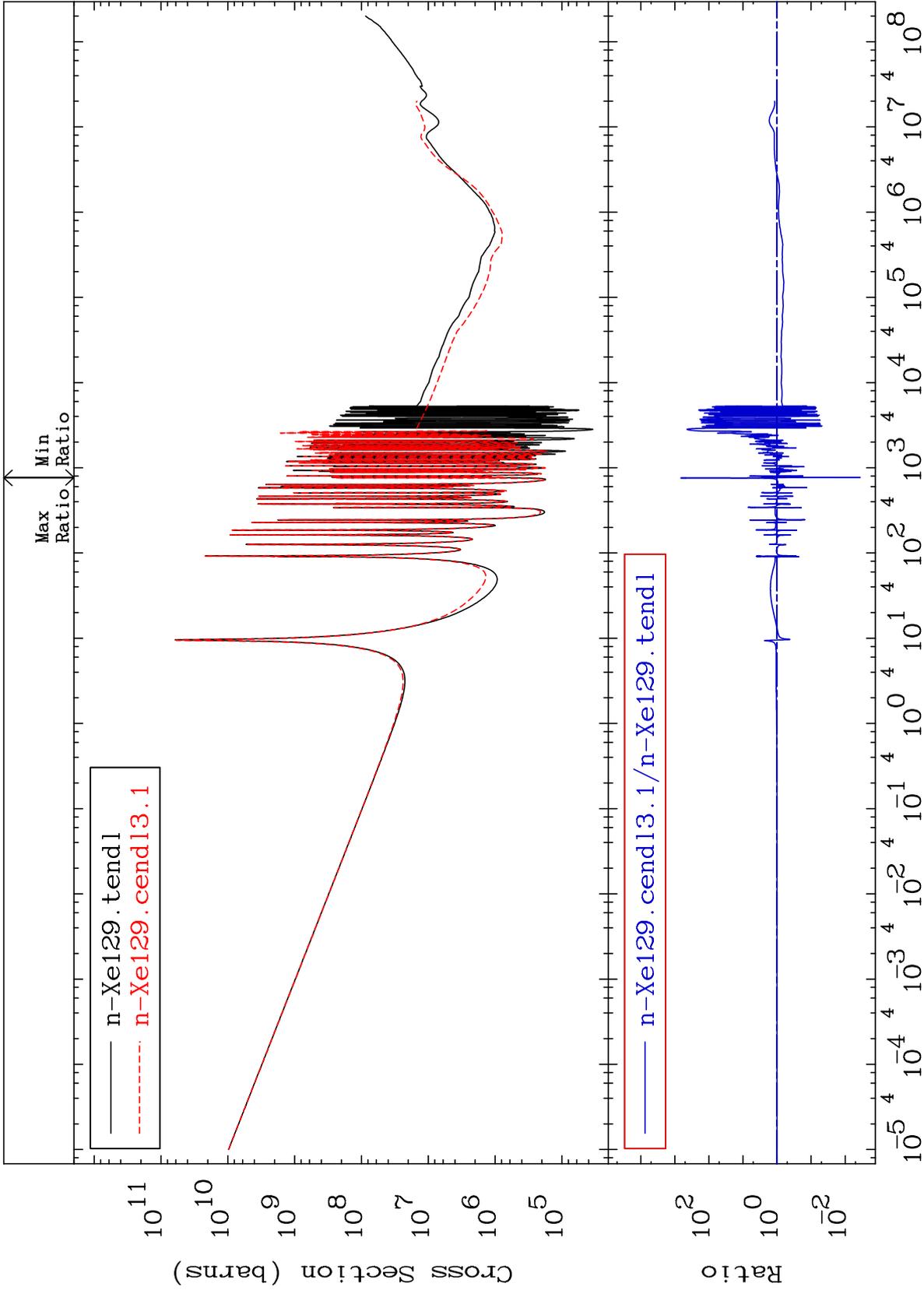
54-Xe-129
-61.02 To 77.08 %



38

Incident Energy (eV)

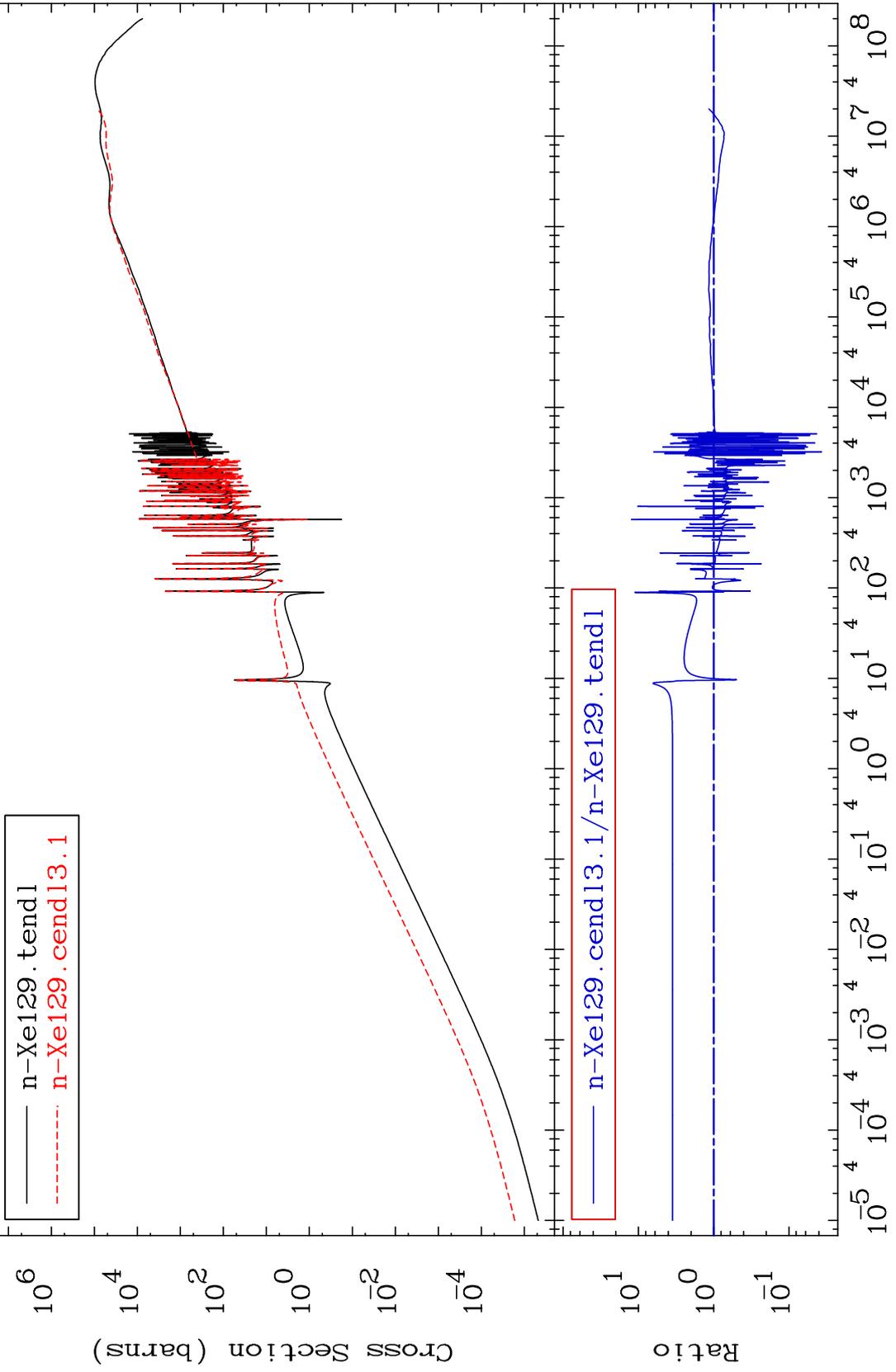
54-Xe-129



MAT 5440

Kerma elastic
Cross Section

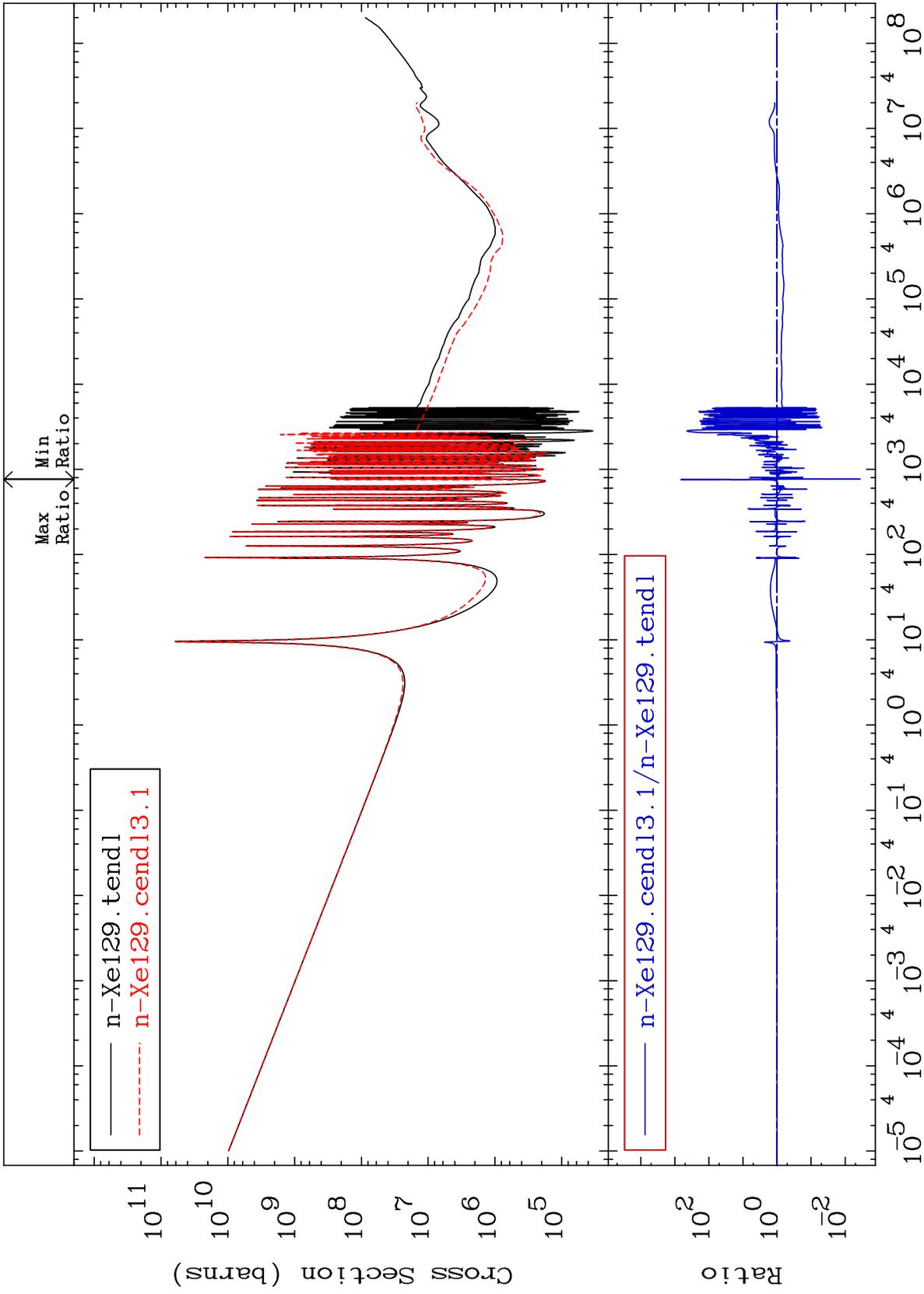
54-Xe-129
-96.32 To 1141. %



40

Incident Energy (eV)

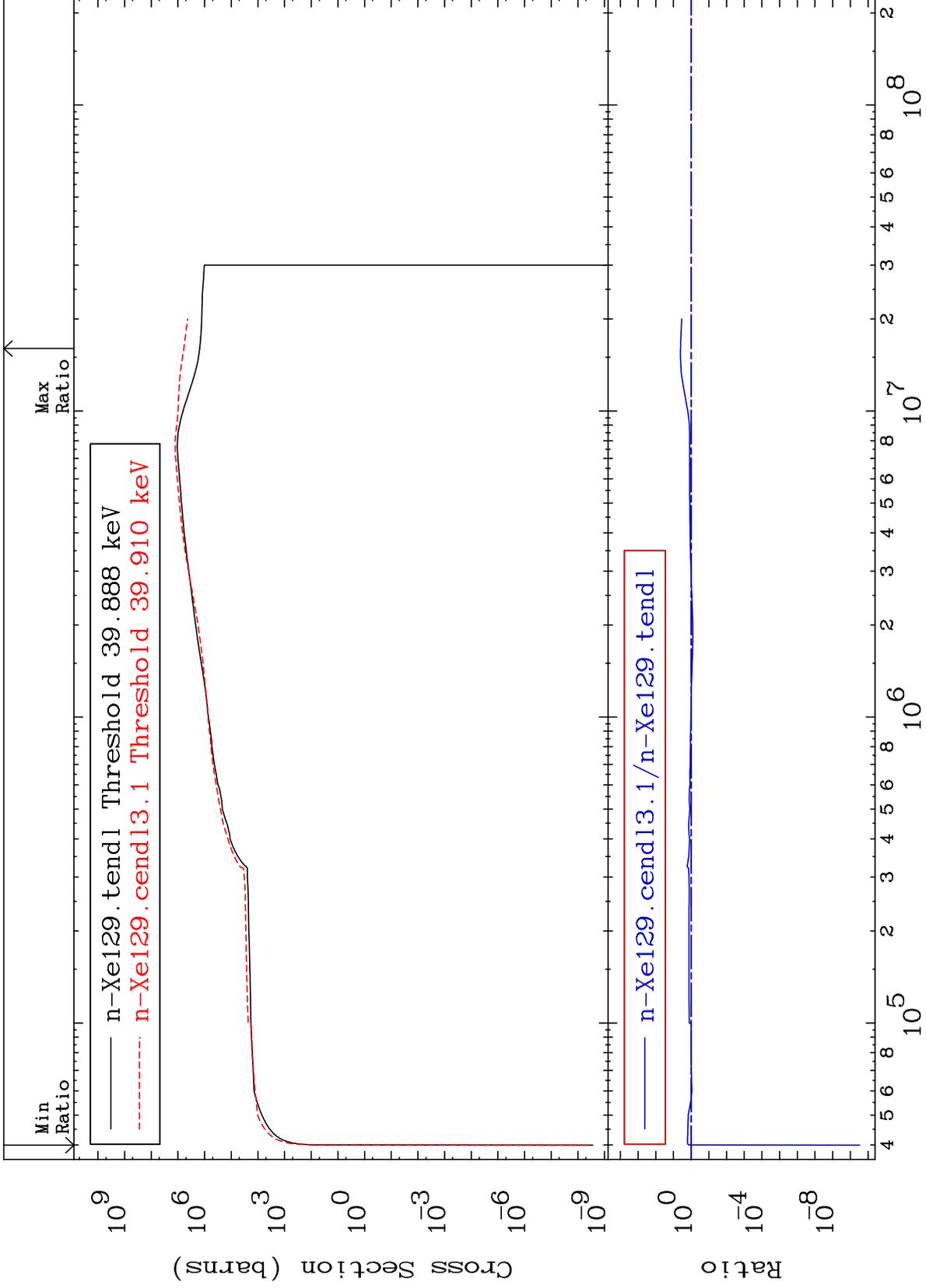
54-Xe-129



MAT 5440

Kerma inelastic (mt51-91)
Cross Section

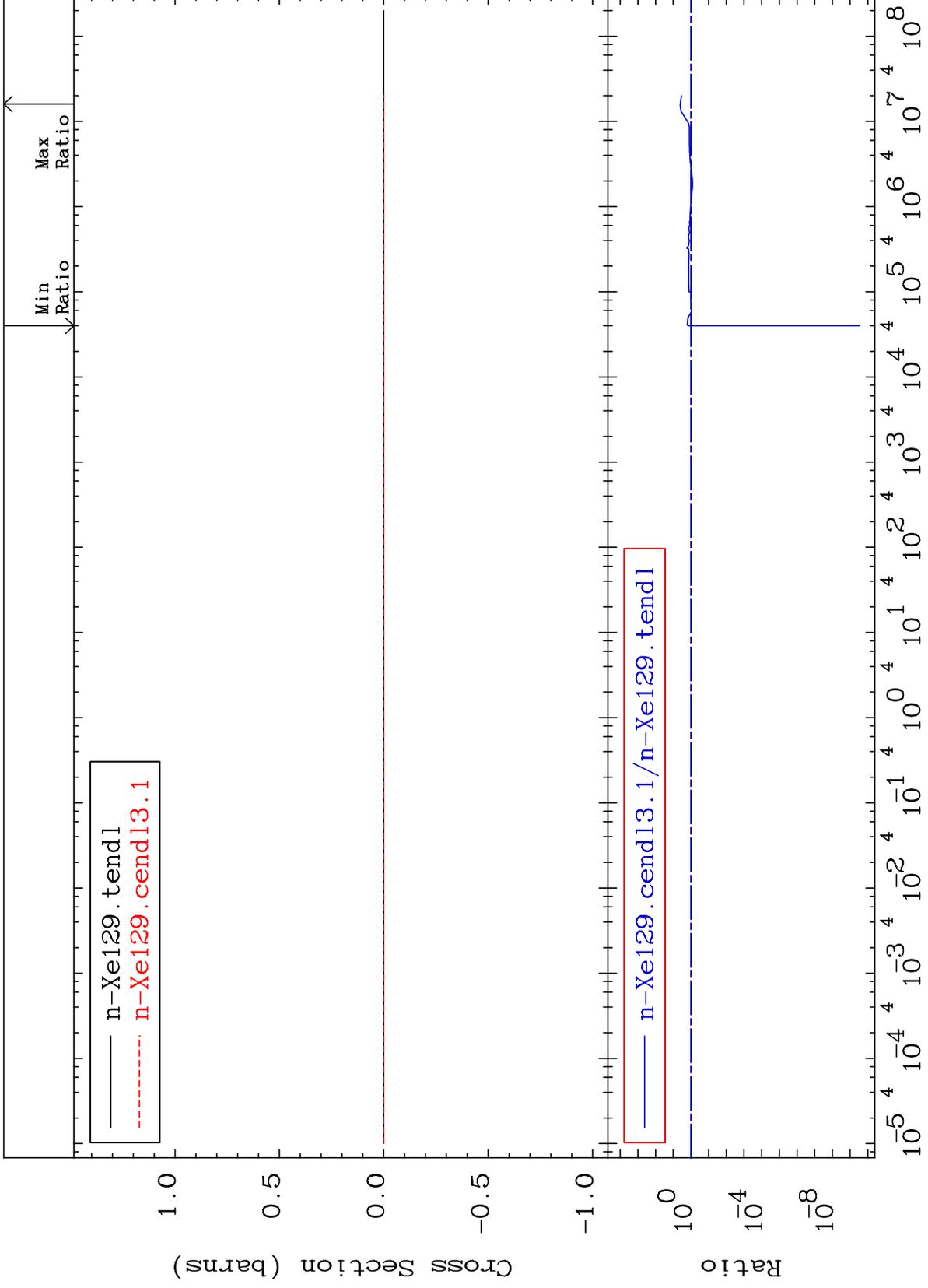
54-Xe-129
-100.0 To 298.4 %

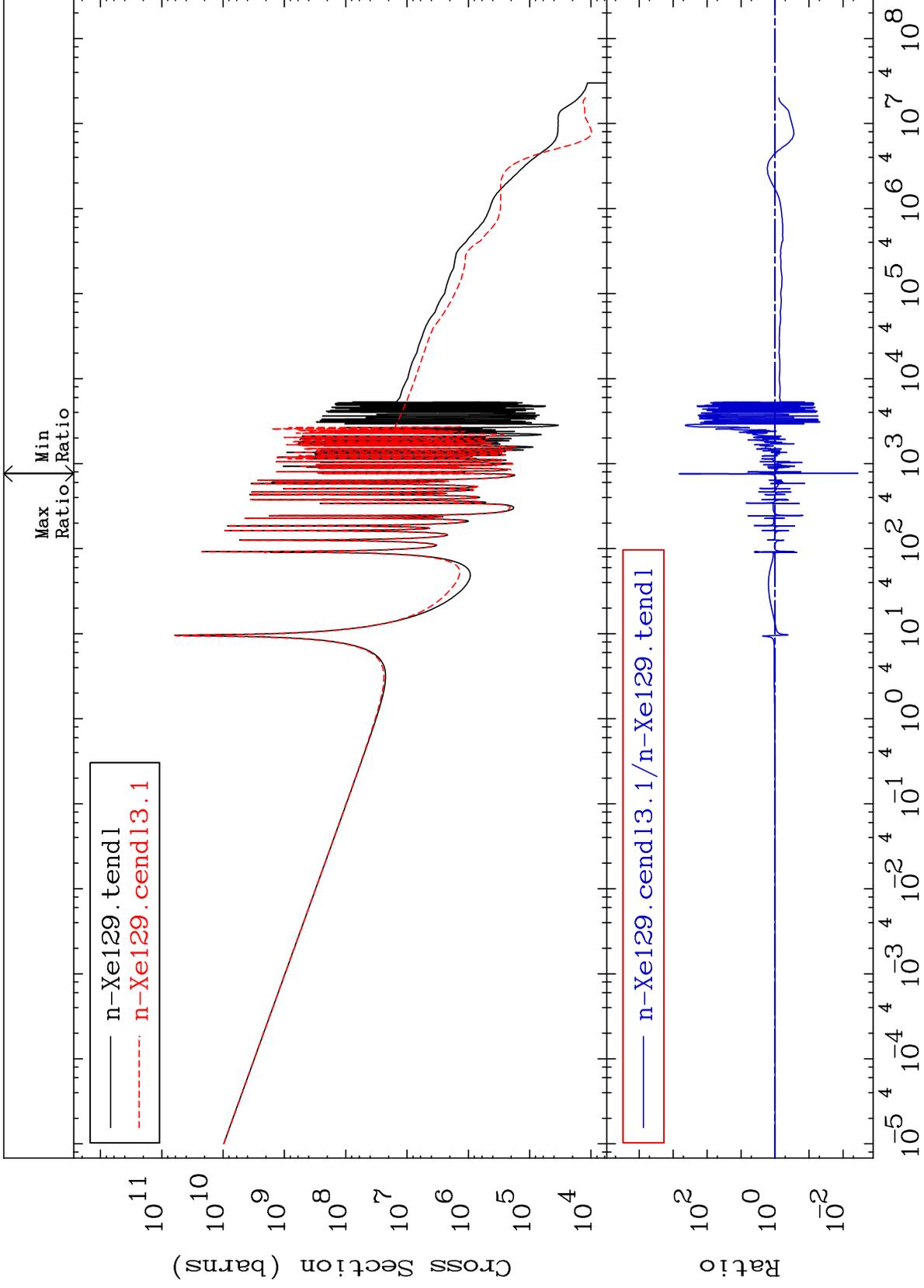


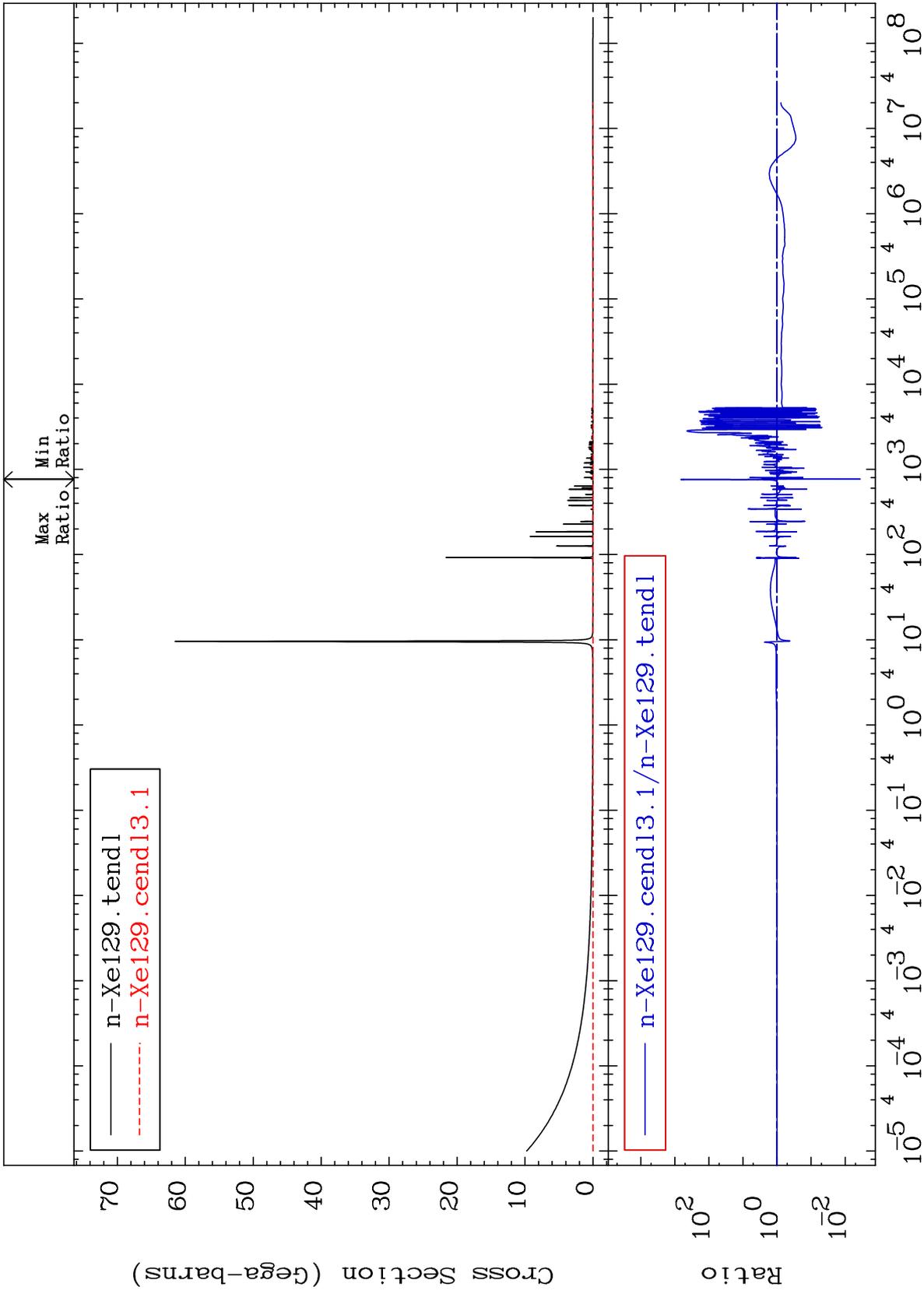
MAT 5440

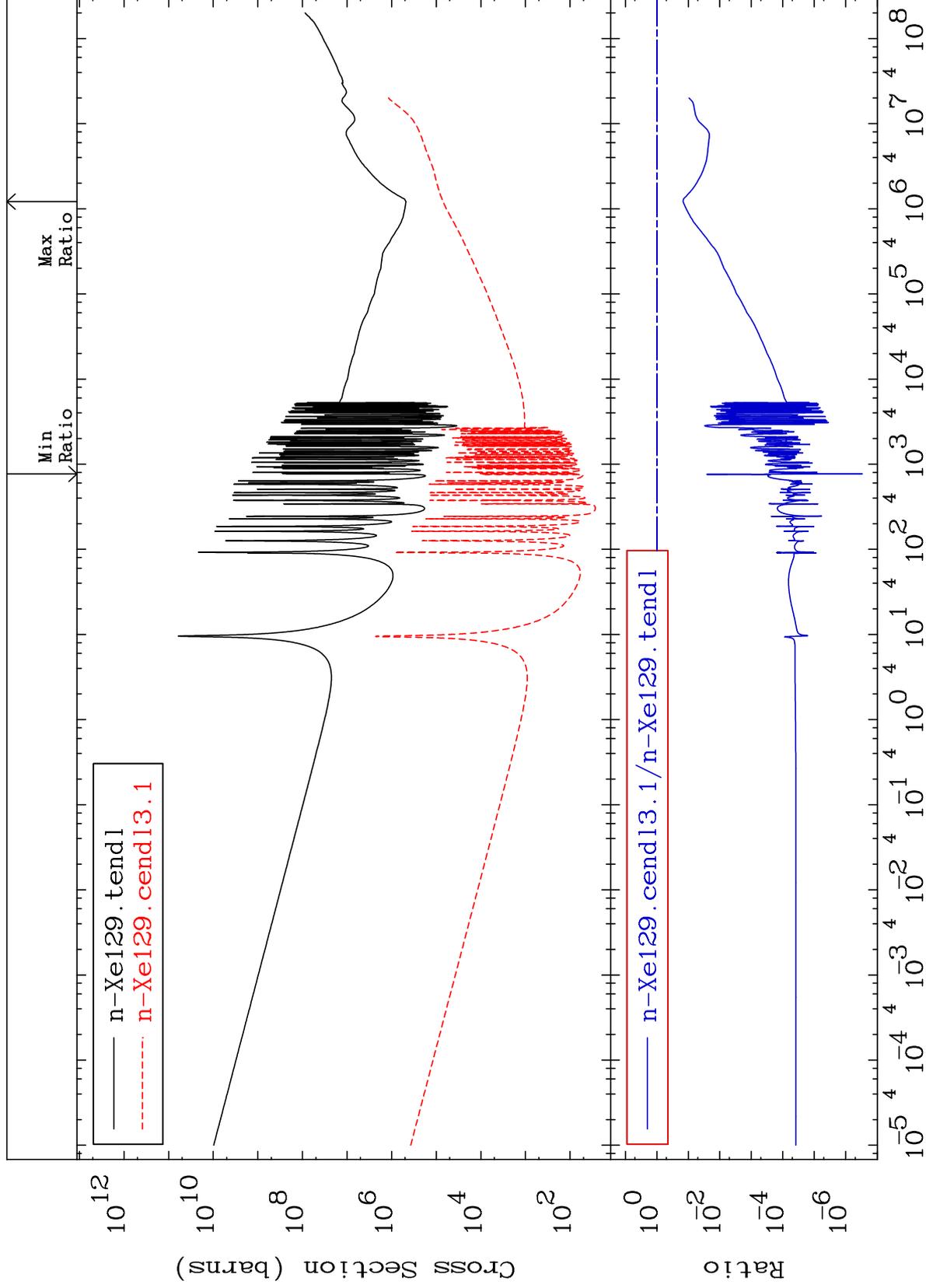
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

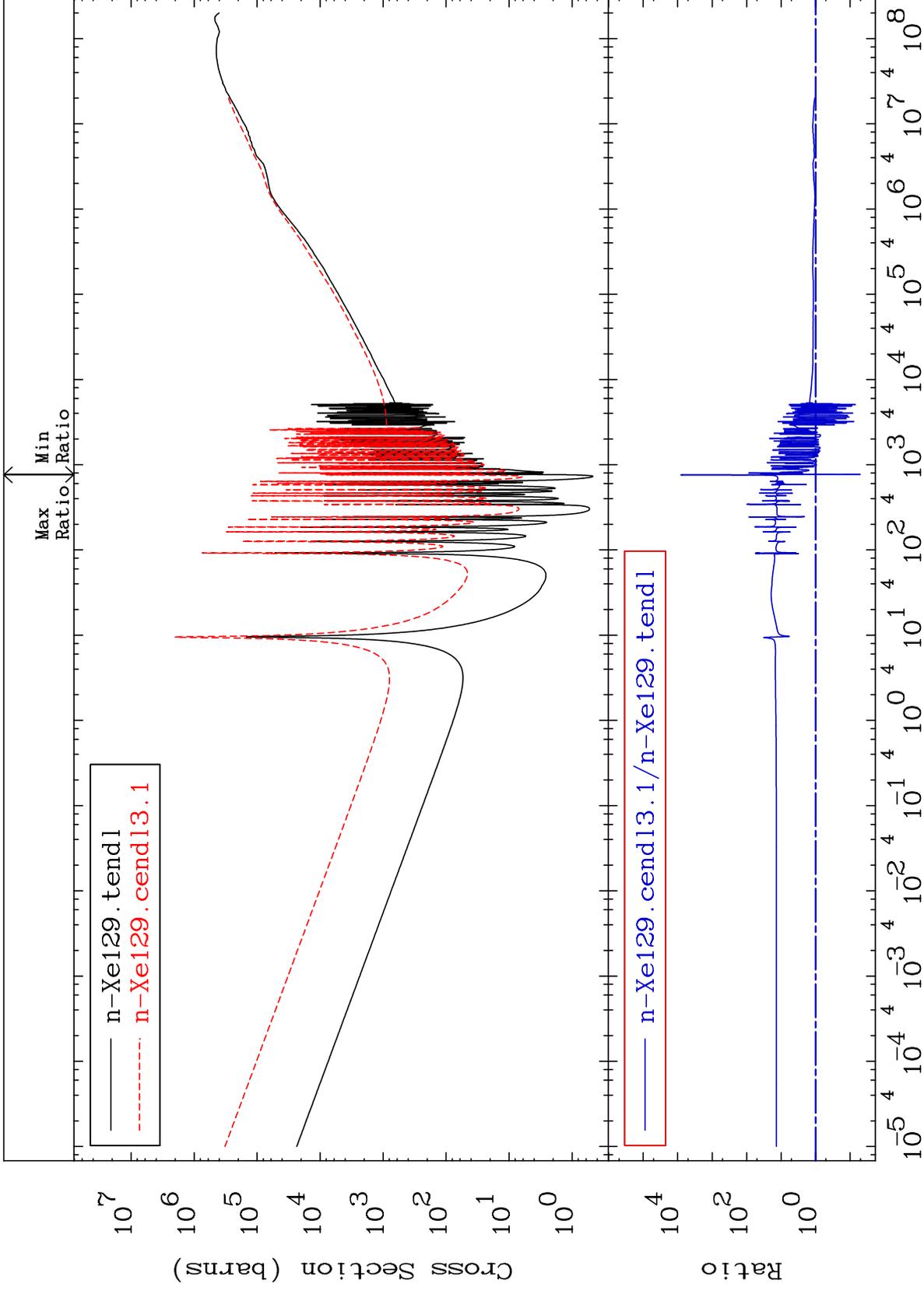
54-Xe-129
-100.0 To 298.4 %







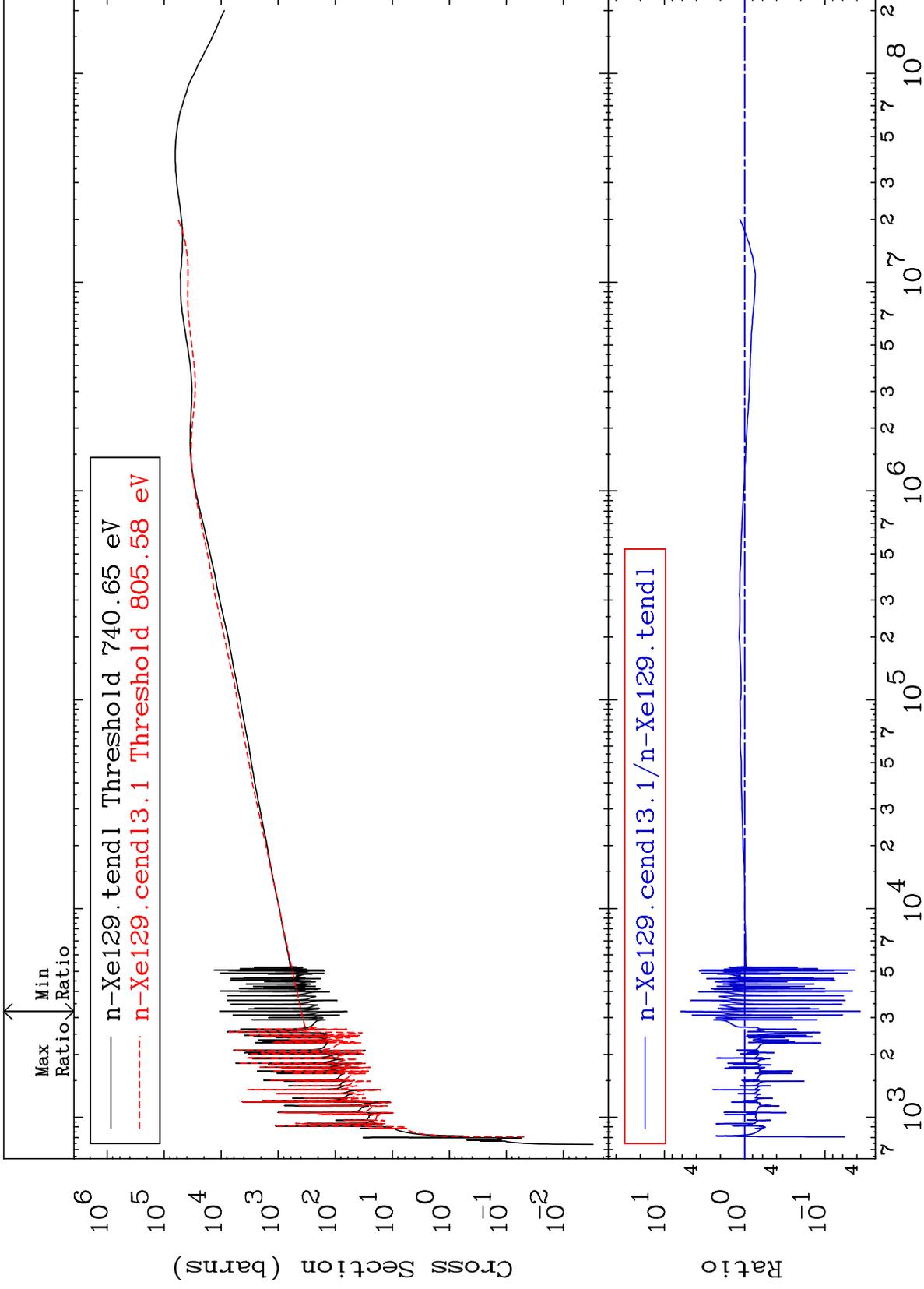


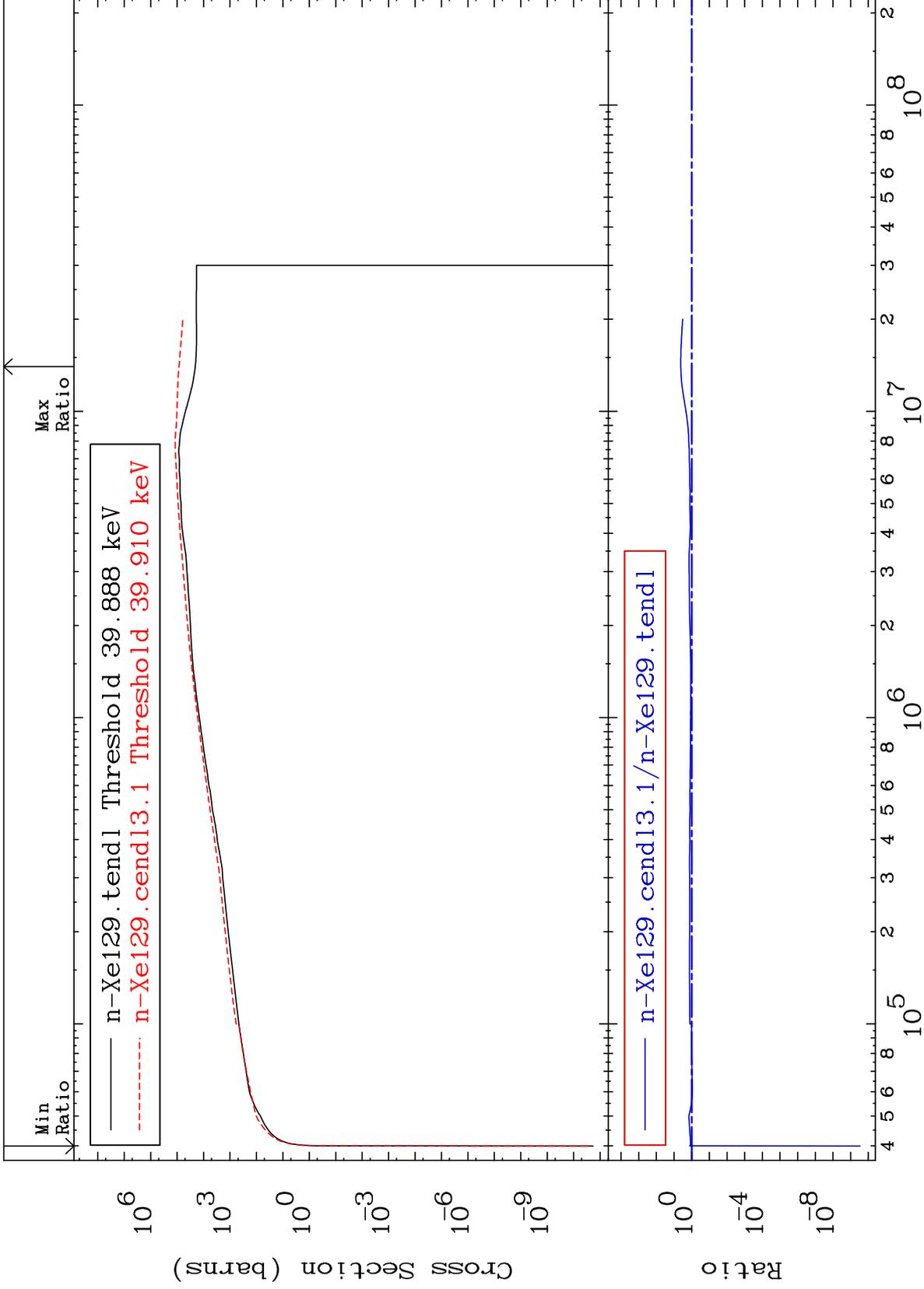


MAT 5440

Dpa elastic (mt2)
Cross Section

54-Xe-129
-96.34 To 524.5 %

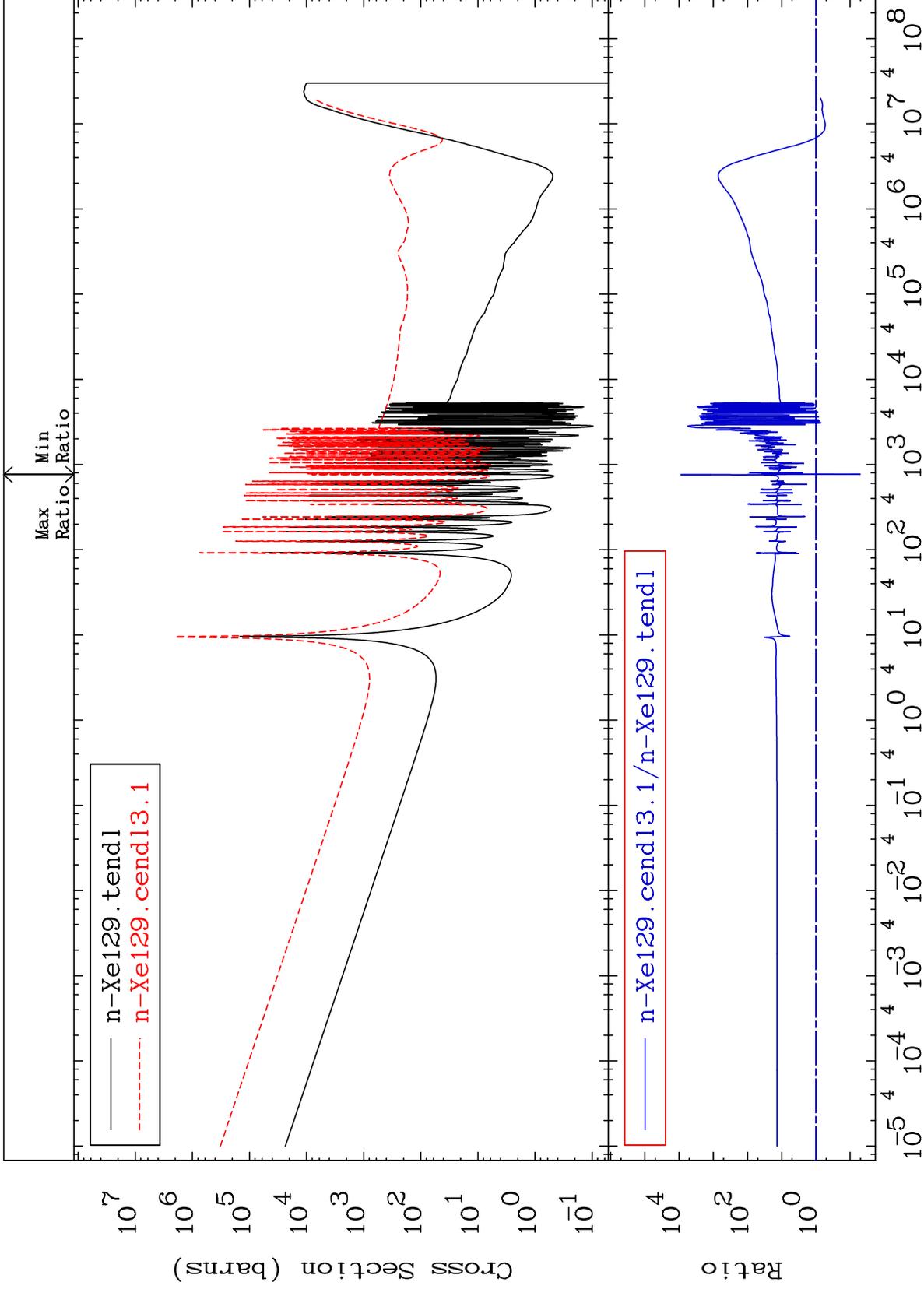




MAT 5440

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-129
-94.89 To 9999. %



50

Incident Energy (eV)

54-Xe-129