

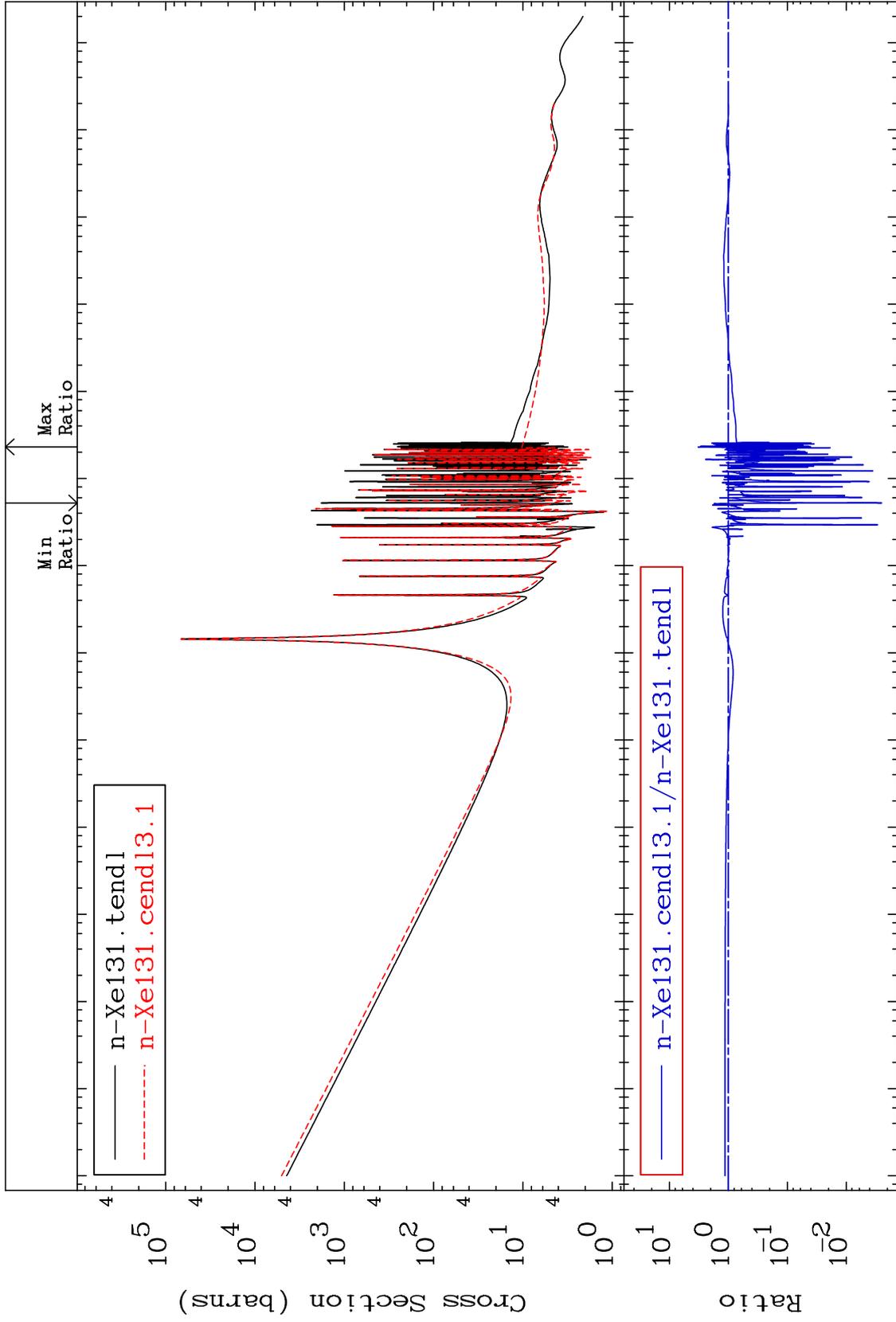
MAT 5446

Total

54-Xe-131

Cross Section

-99.75 To 226.4 %



n-Xe131.tendl
n-Xe131.cendl3.1

n-Xe131.cendl3.1/n-Xe131.tendl

Incident Energy (eV)

54-Xe-131

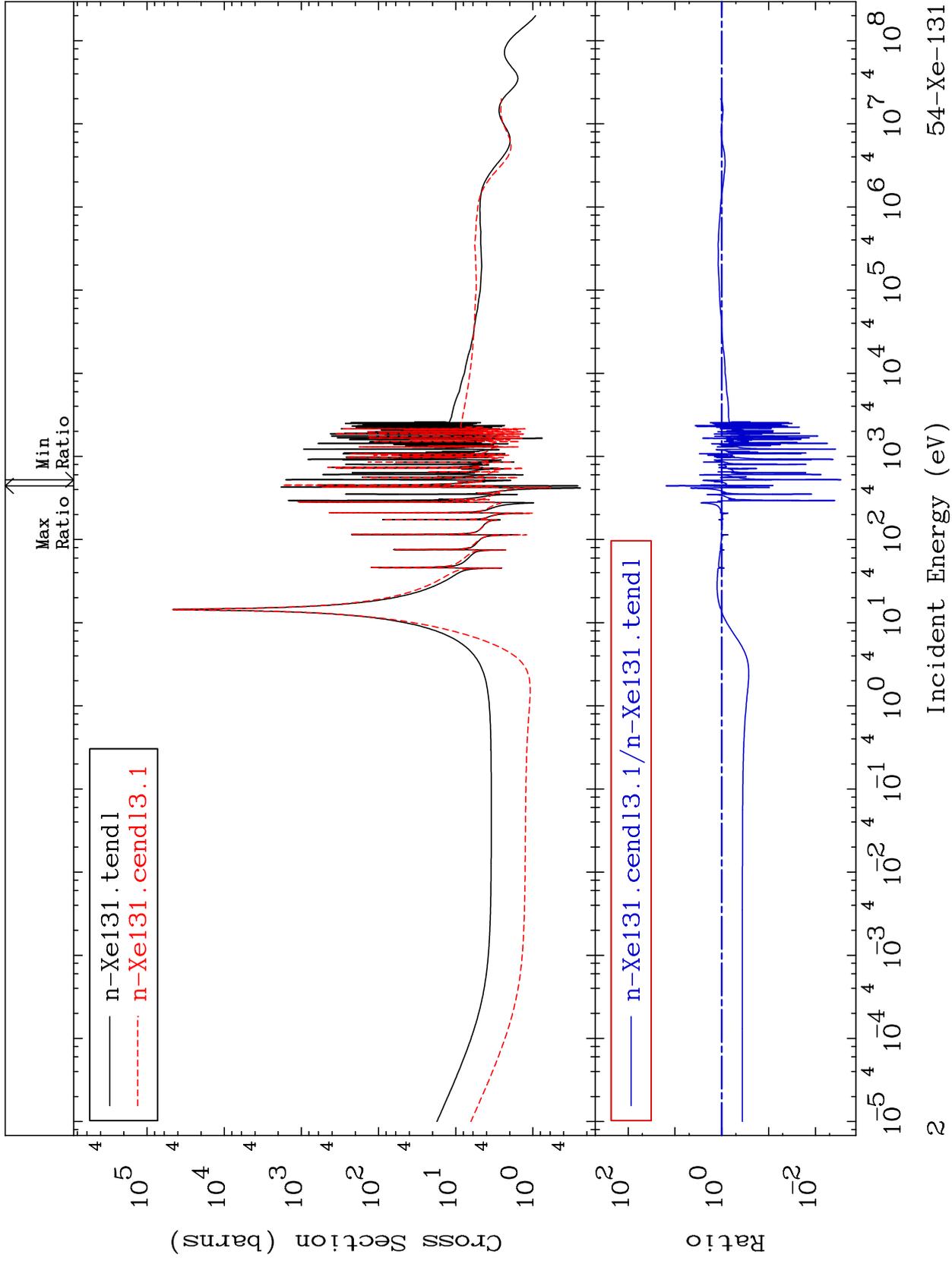
MAT 5446

Elastic

54-Xe-131

Cross Section

-99.71 To 1456. %



54-Xe-131

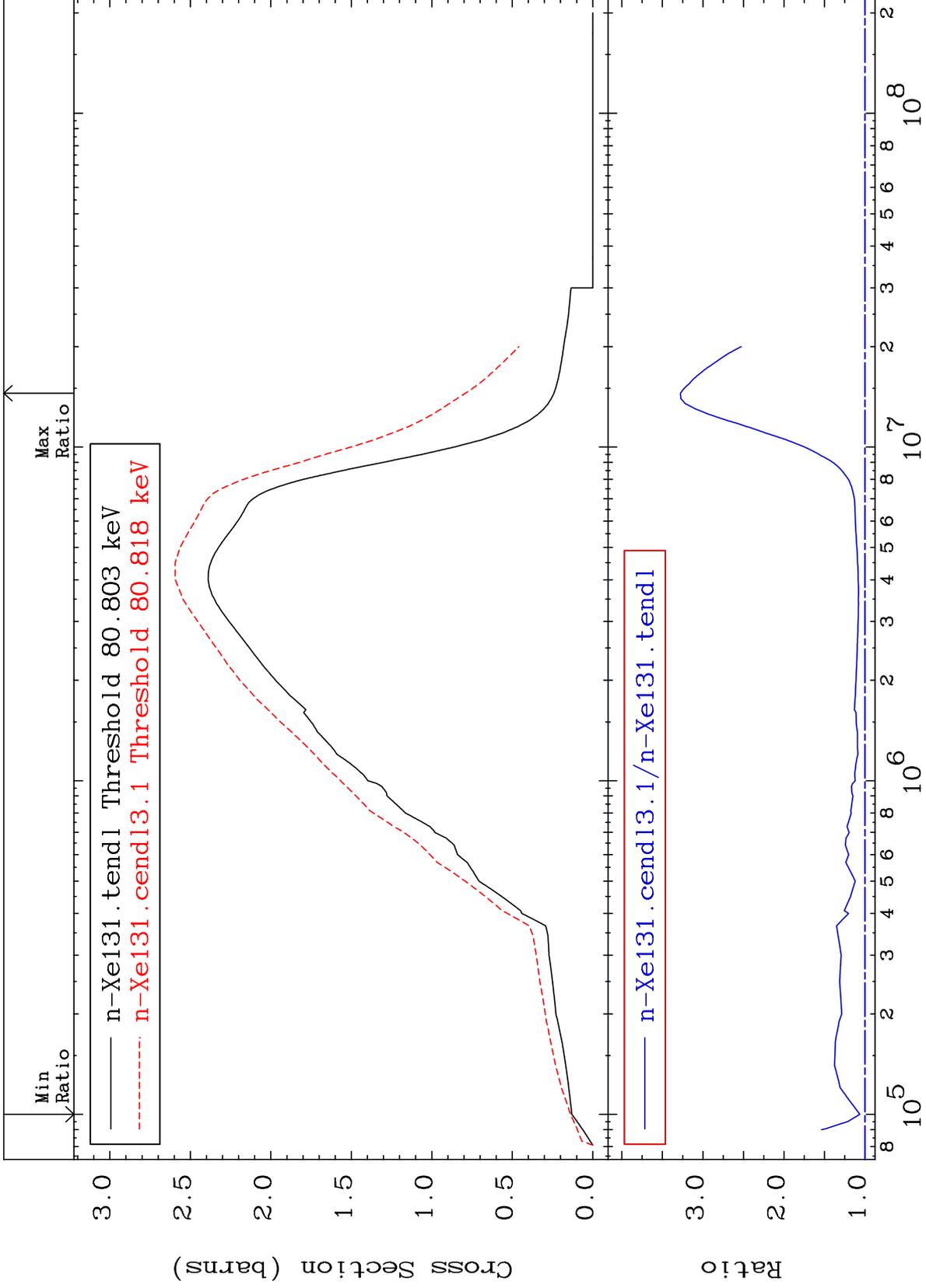
Incident Energy (eV)

2

MAT 5446

Inelastic
Cross Section

54-Xe-131
6.550 To 227.7 %



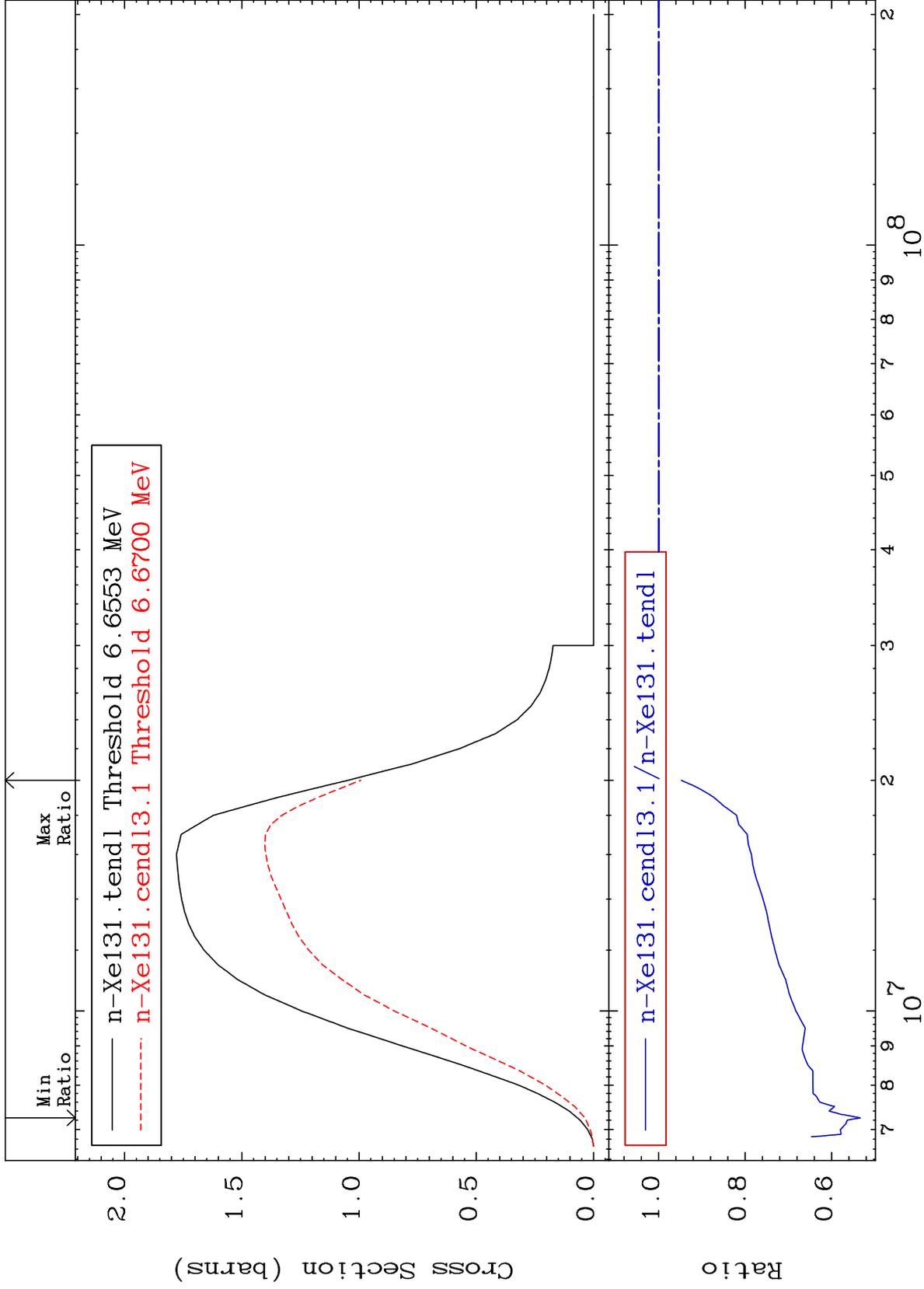
MAT 5446

(n,2n)

54-Xe-131

Cross Section

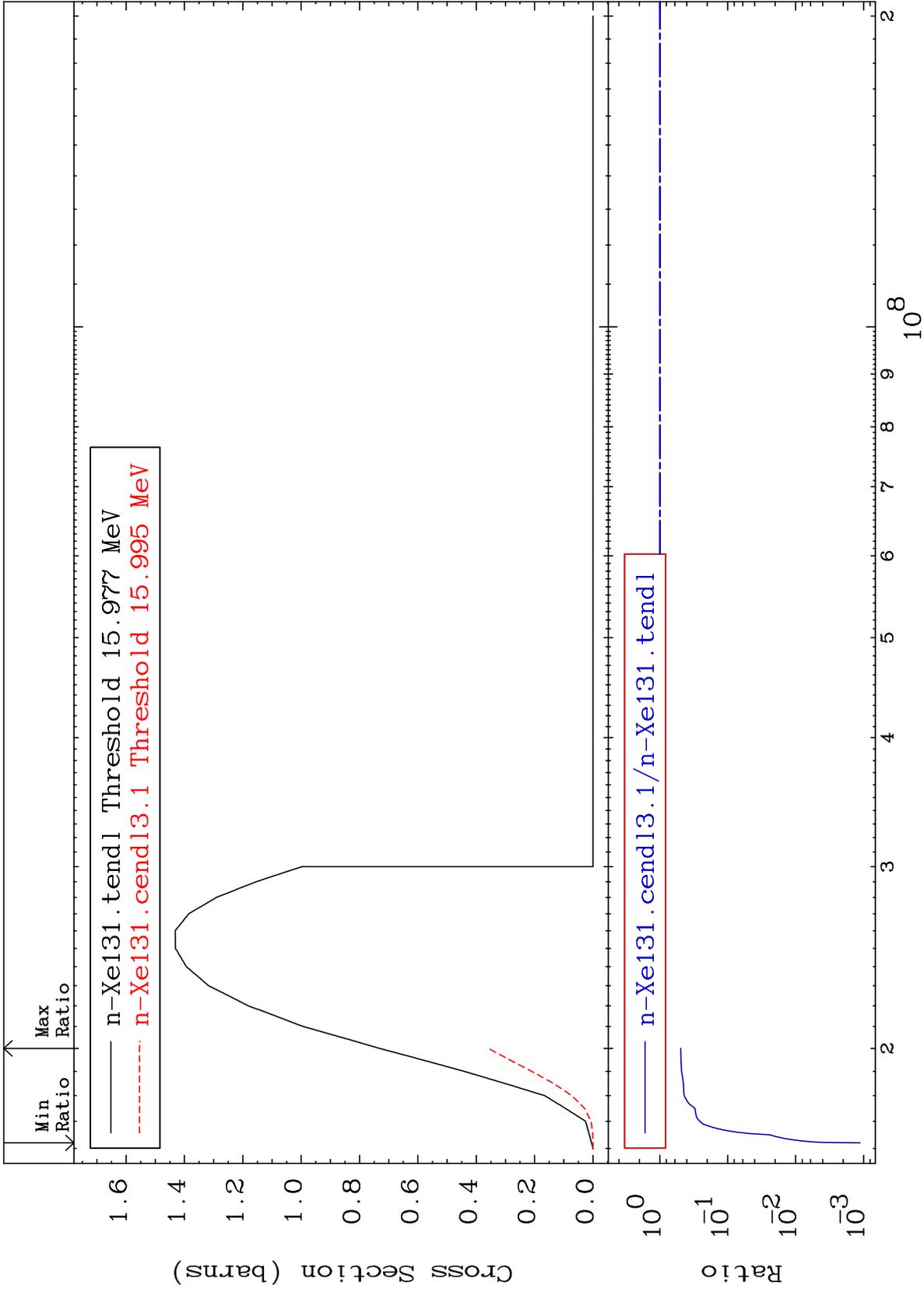
-46.59 To -5.200%



4

Incident Energy (eV)

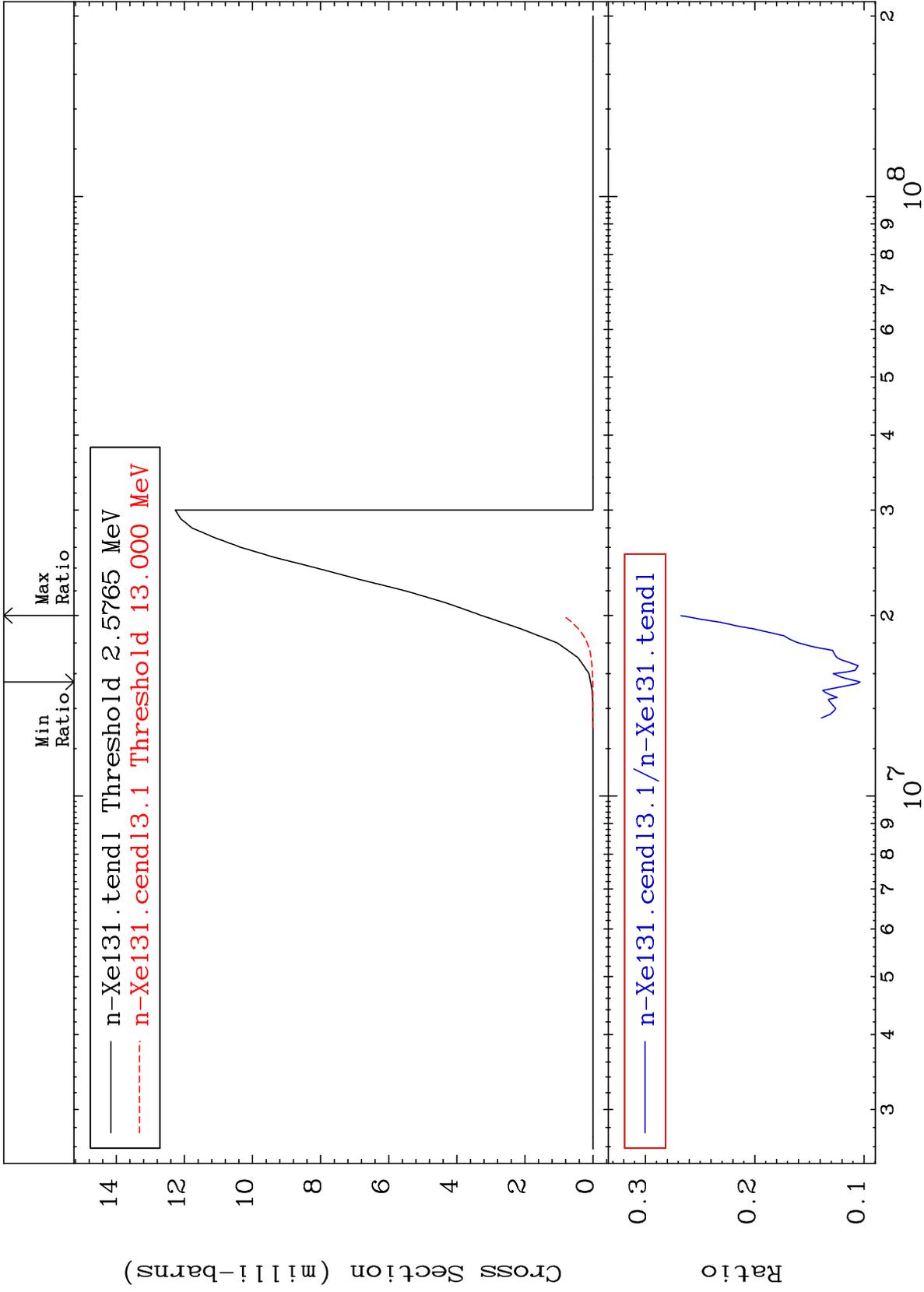
54-Xe-131



MAT 5446

(n, n') α
Cross Section

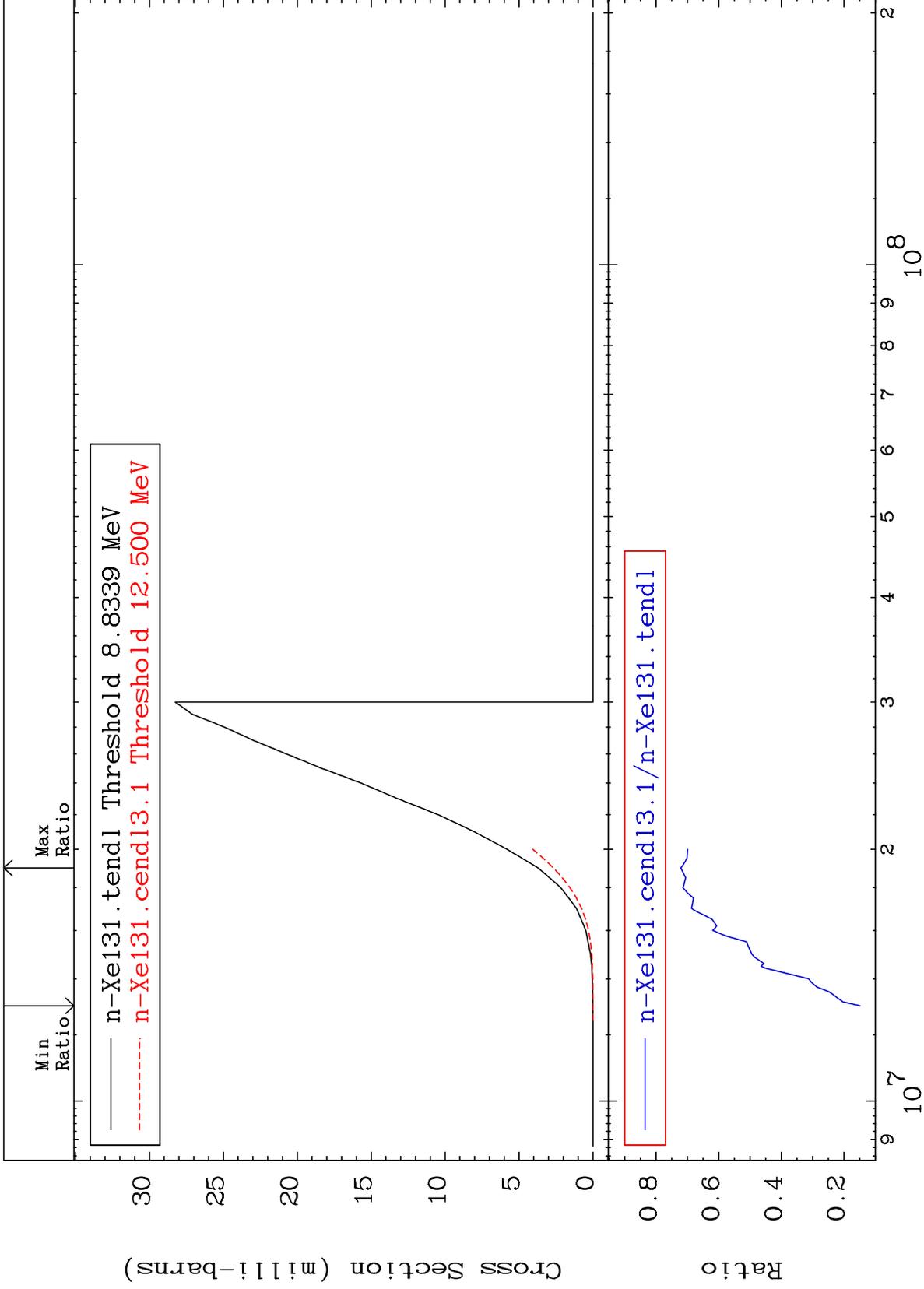
54-Xe-131
-89.65 To -73.23%



MAT 5446

(n,n') p
Cross Section

54-Xe-131
-85.14 To -27.86%



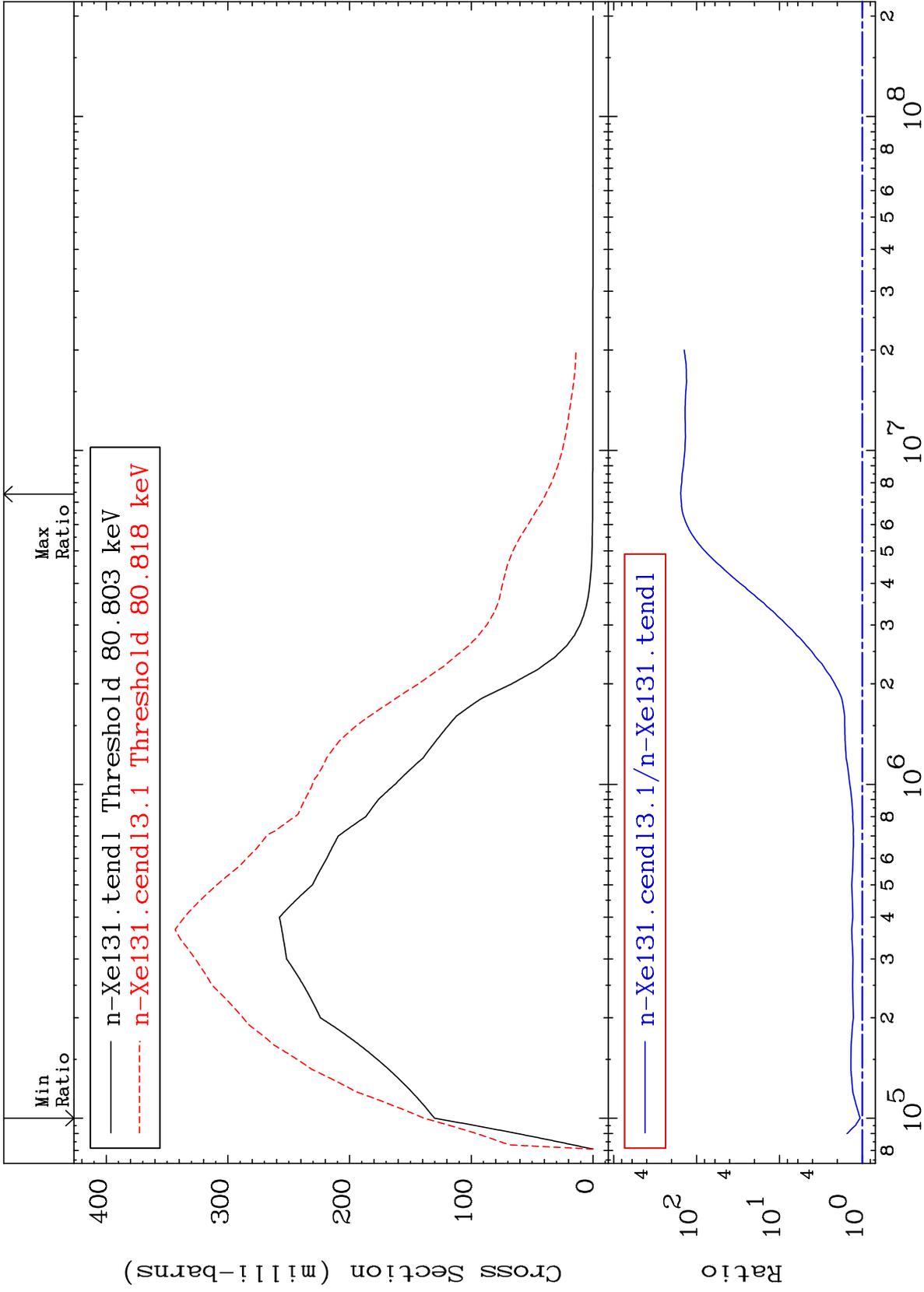
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
6.550 To 9999. %



8

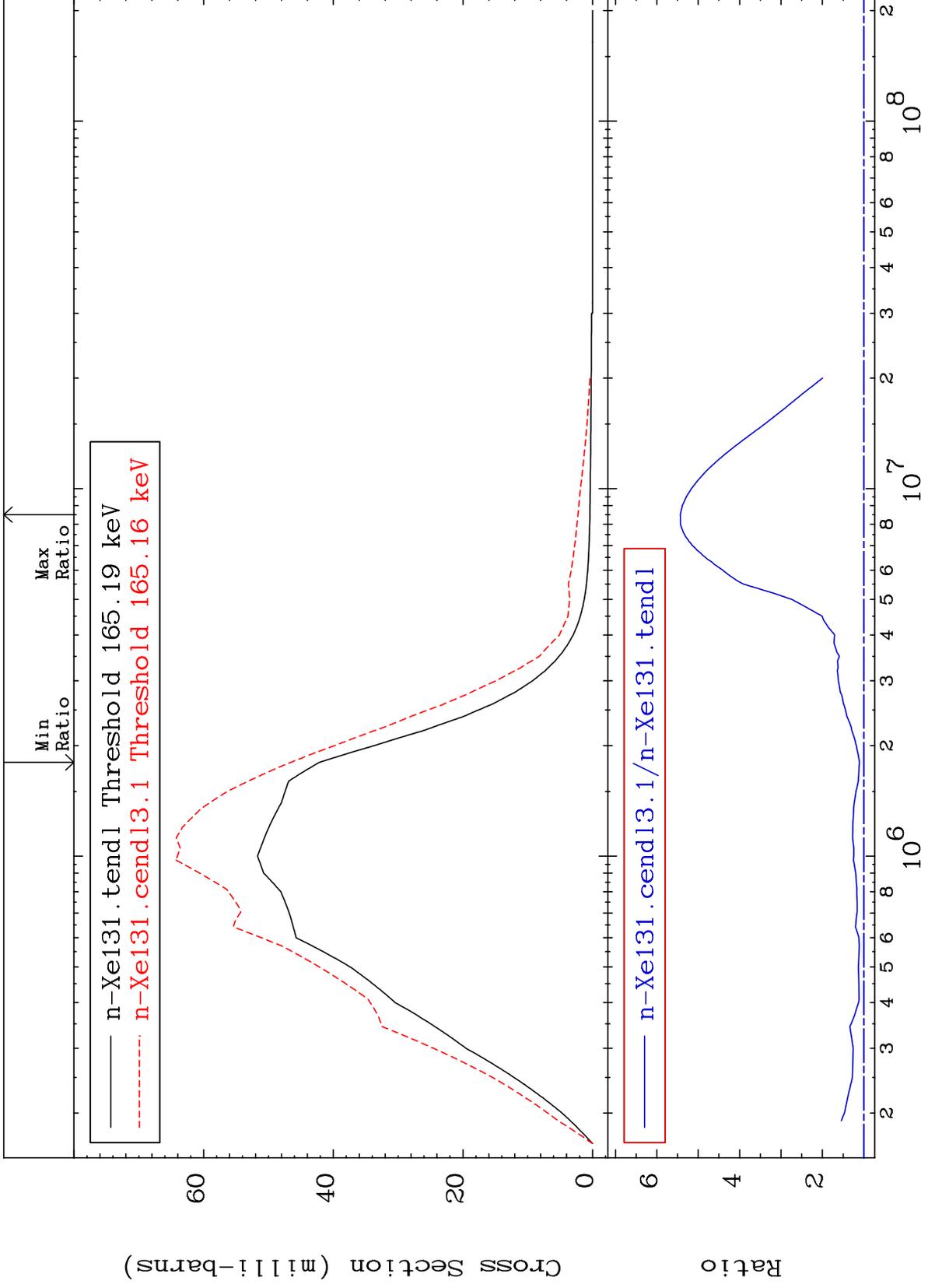
Incident Energy (eV)

54-Xe-131

MAT 5446

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

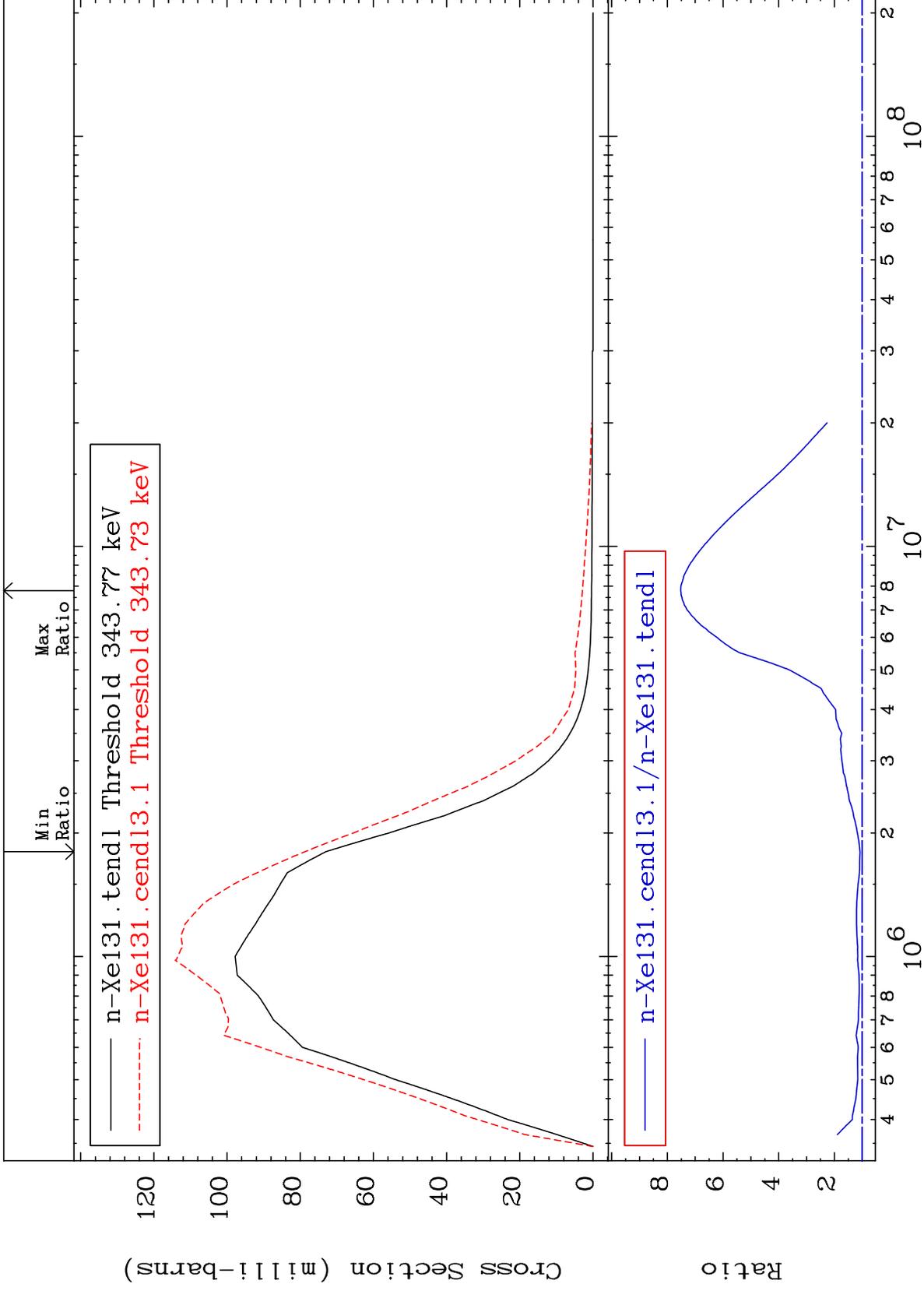
54-Xe-131
10.44 To 443.4 %



MAT 5446

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

54-Xe-131
7.817 To 651.9 %



10

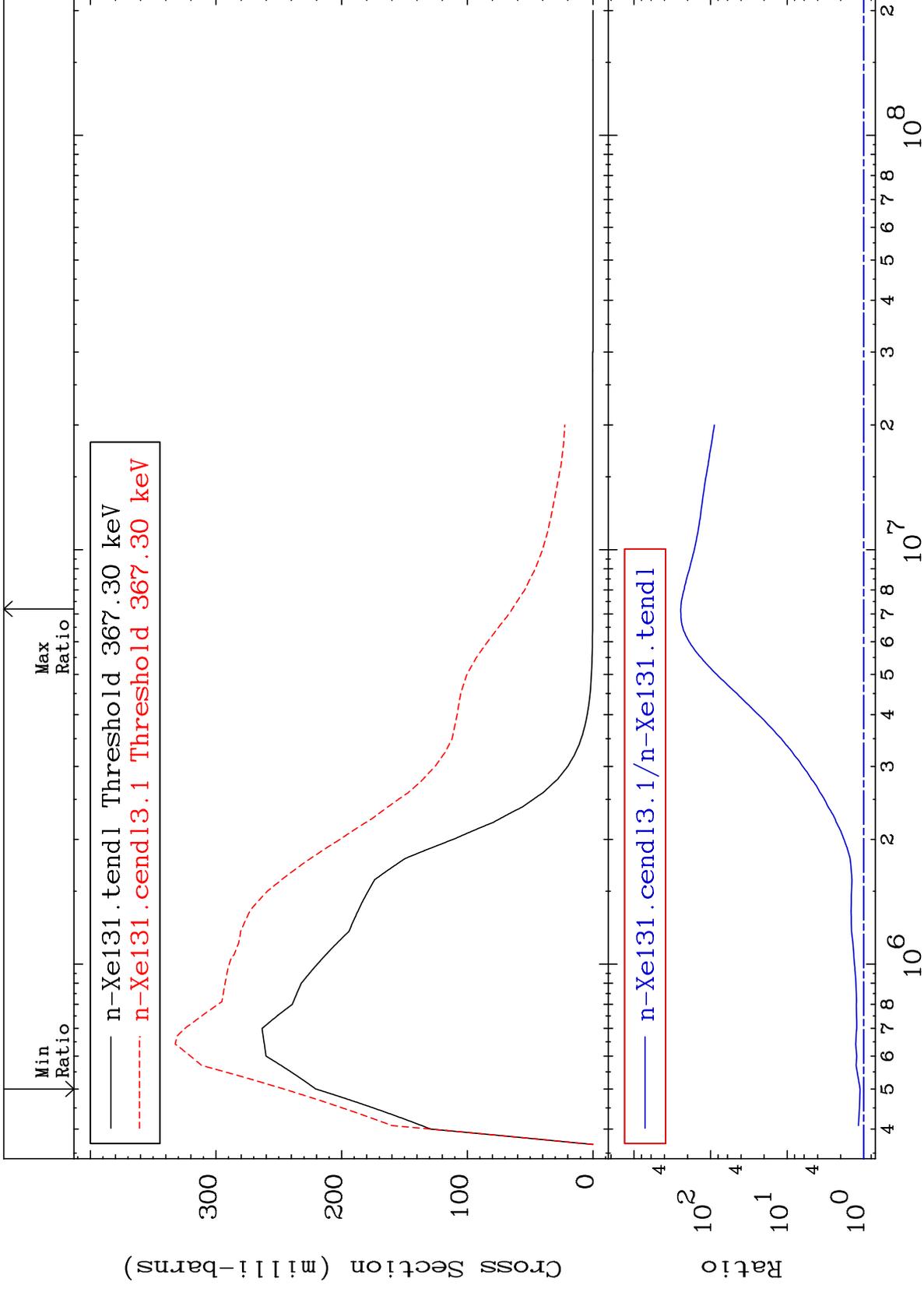
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
11.59 To 9999. %



11

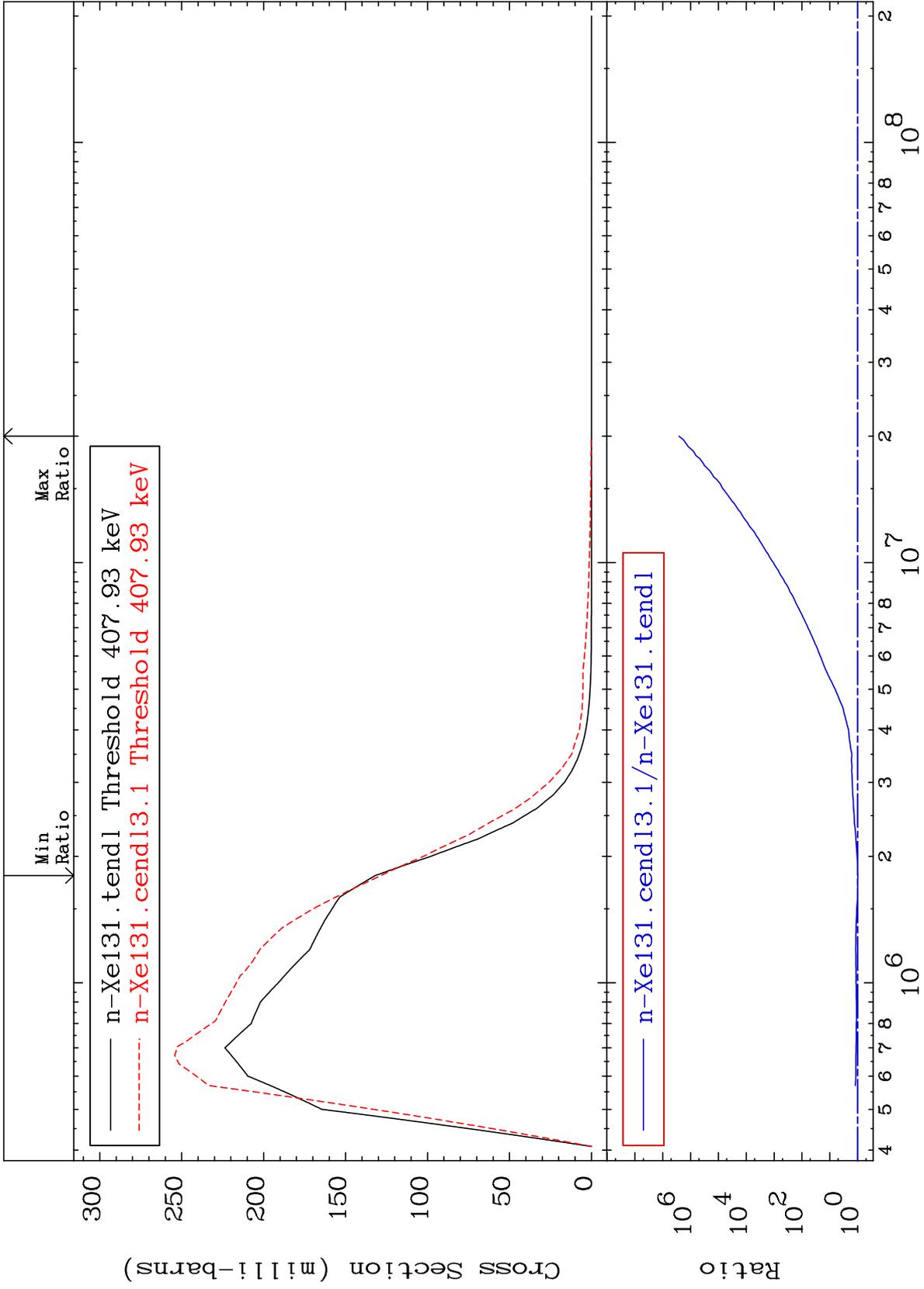
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-2.518 To 9999. %



12

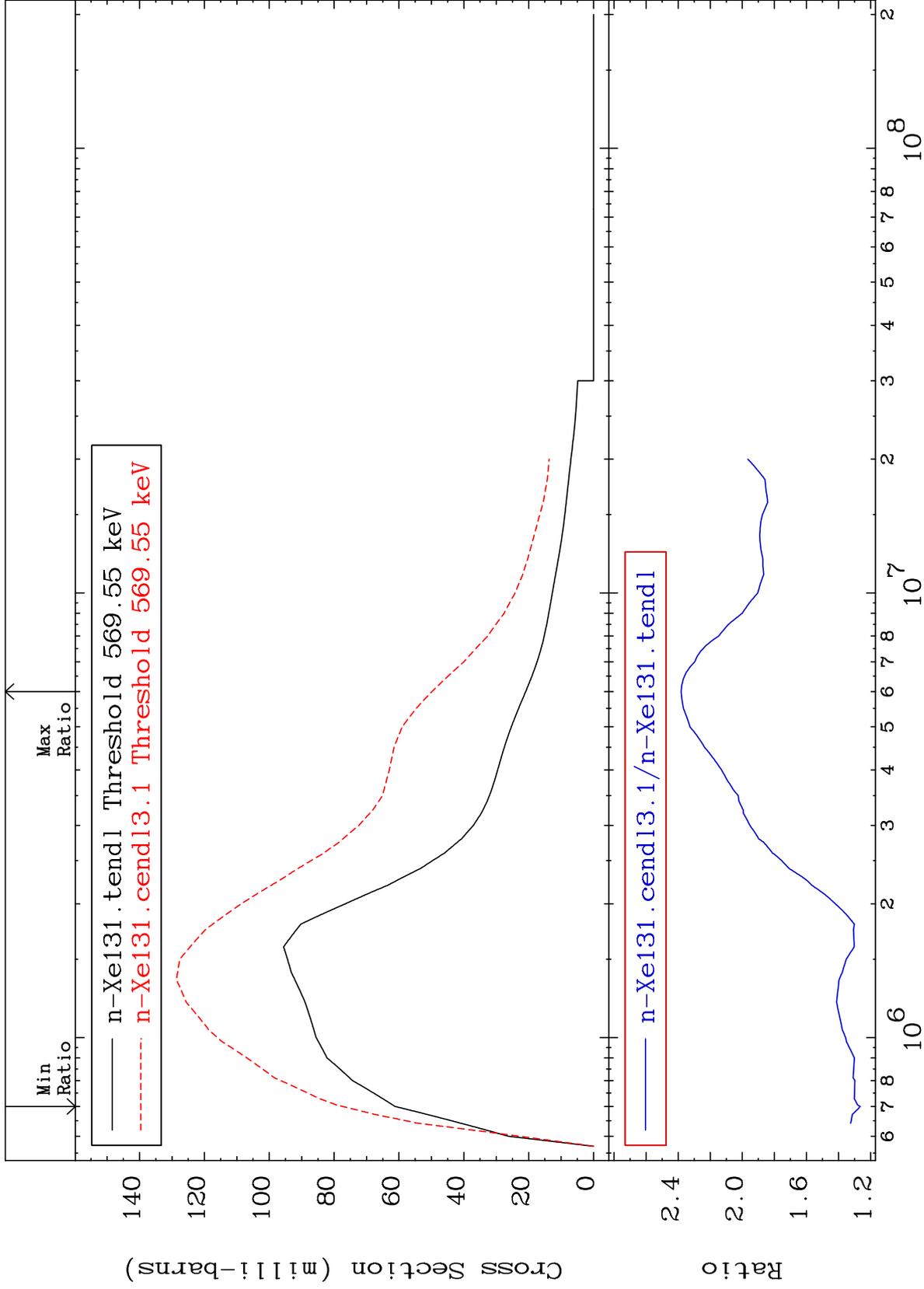
Incident Energy (eV)

54-Xe-131

MAT 5446

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

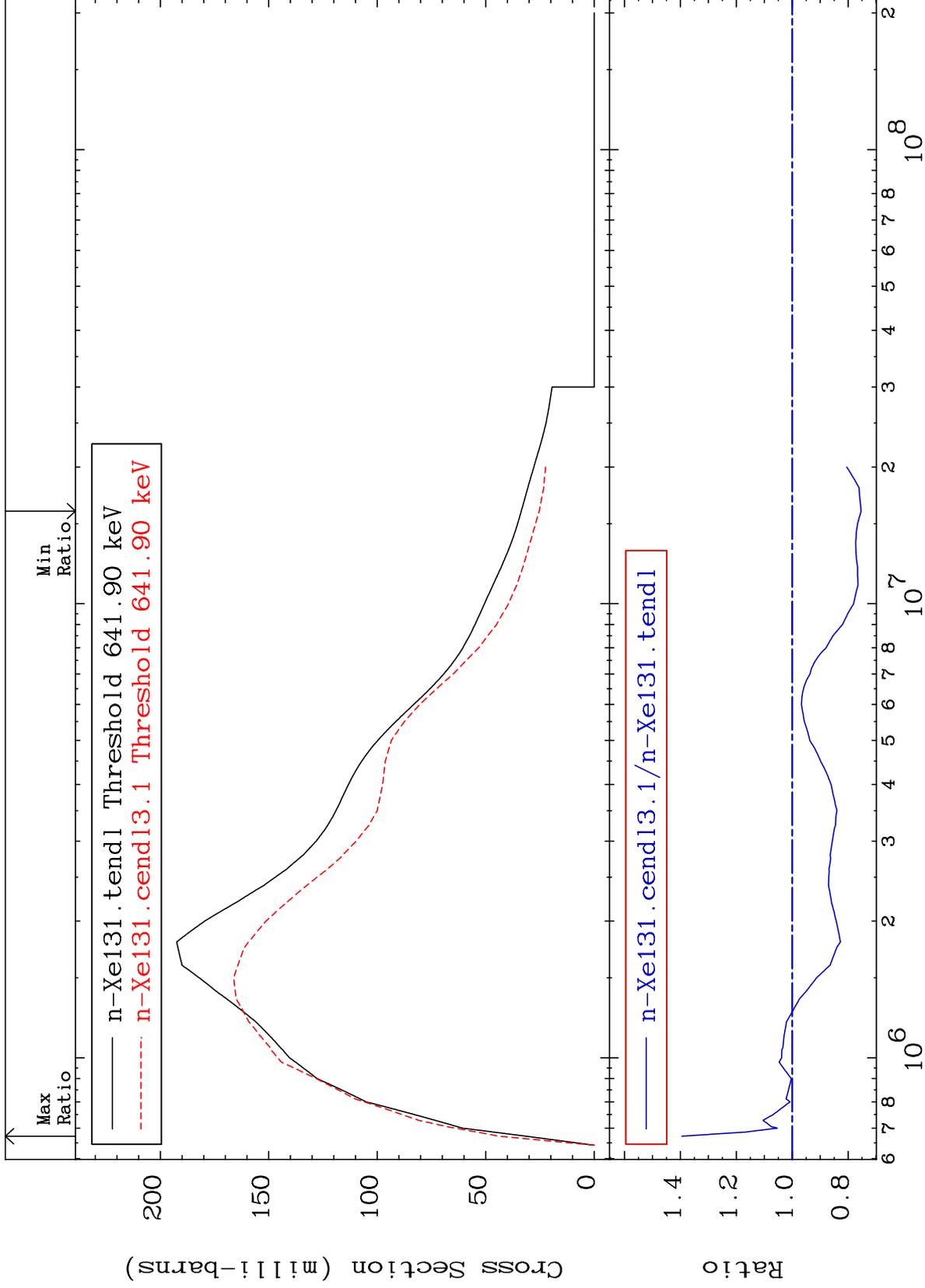
54-Xe-131
26.46 To 138.1 %



MAT 5446

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

54-Xe-131
-24.67 To 39.46 %



14

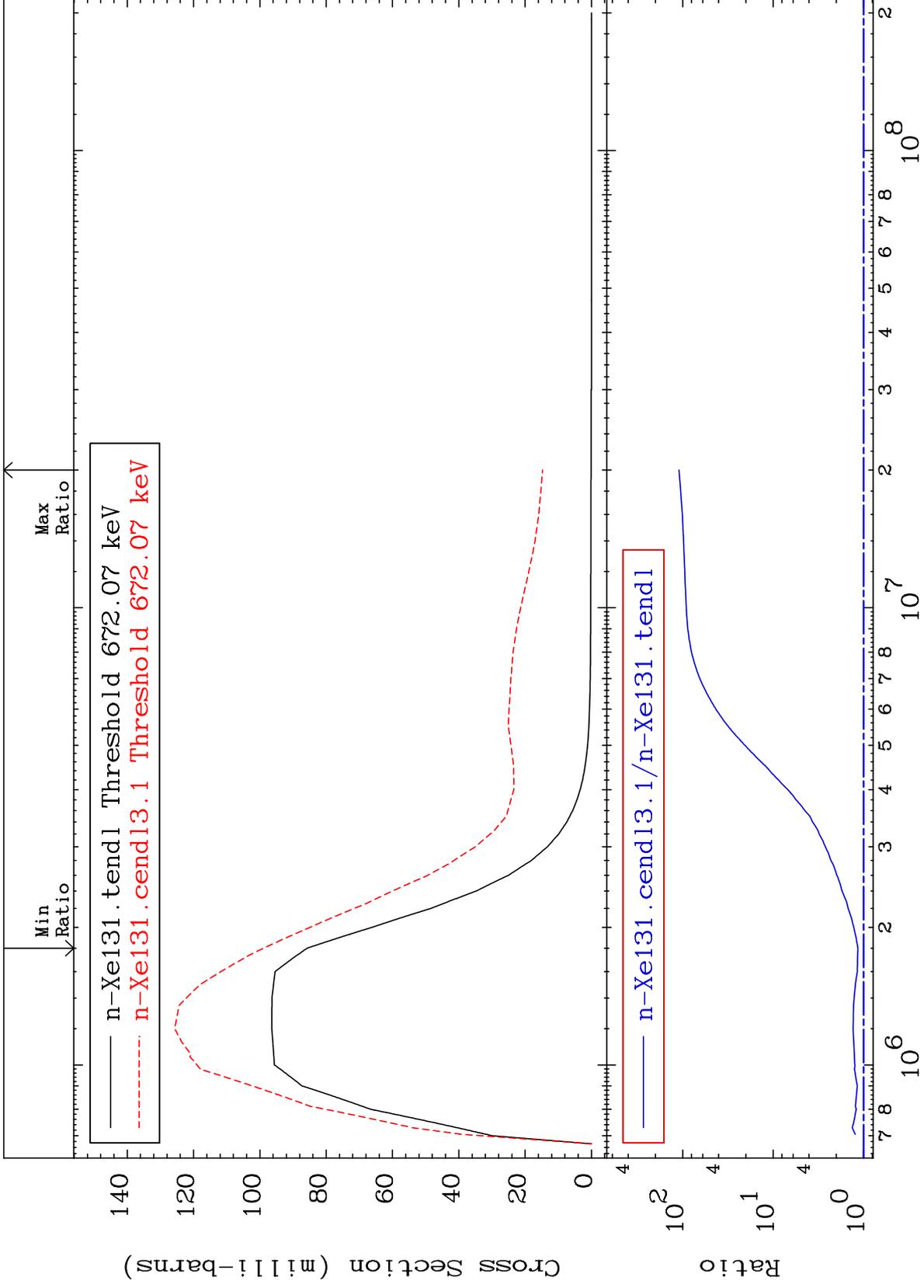
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
15.30 To 9999. %



15

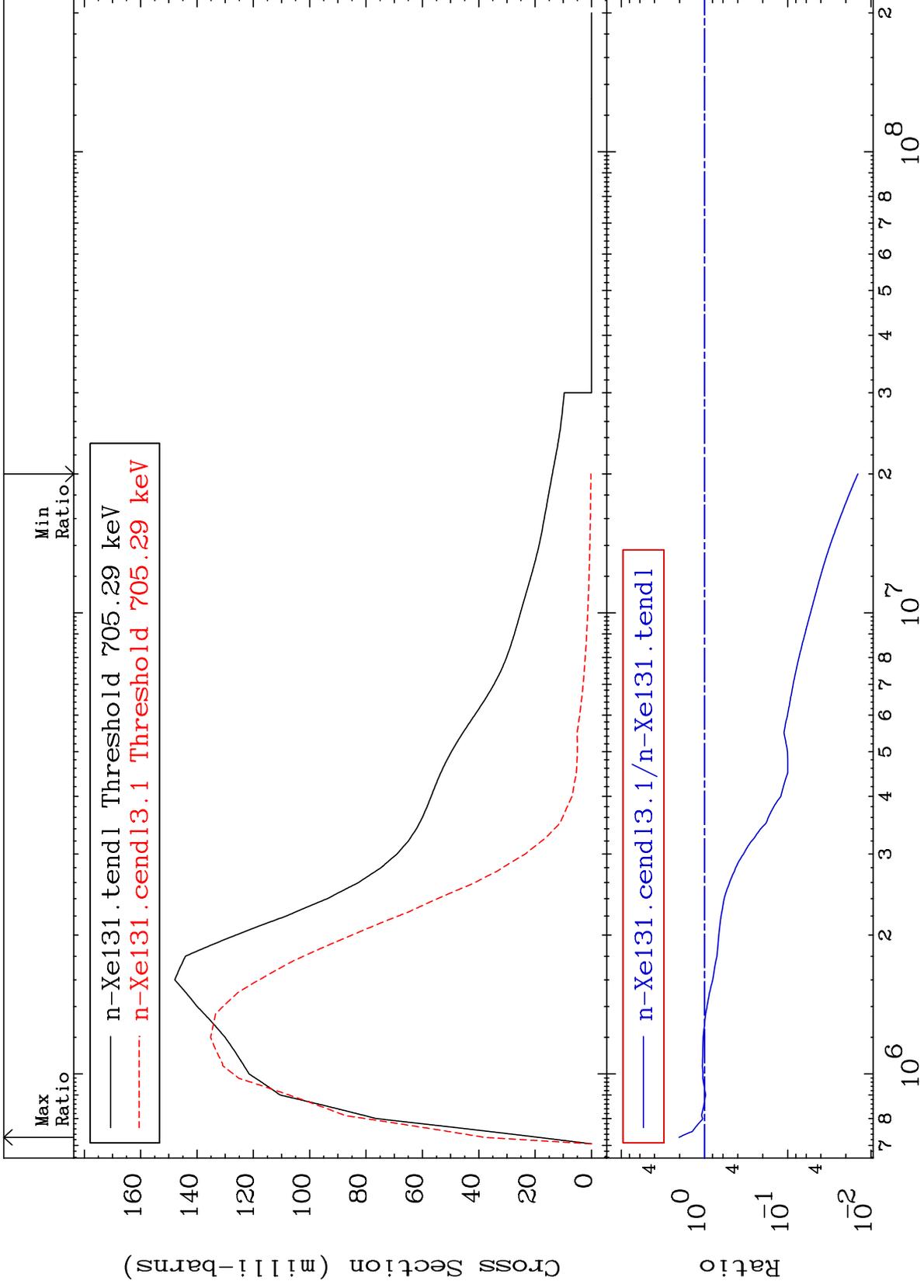
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-98.57 To 102.6 %



16

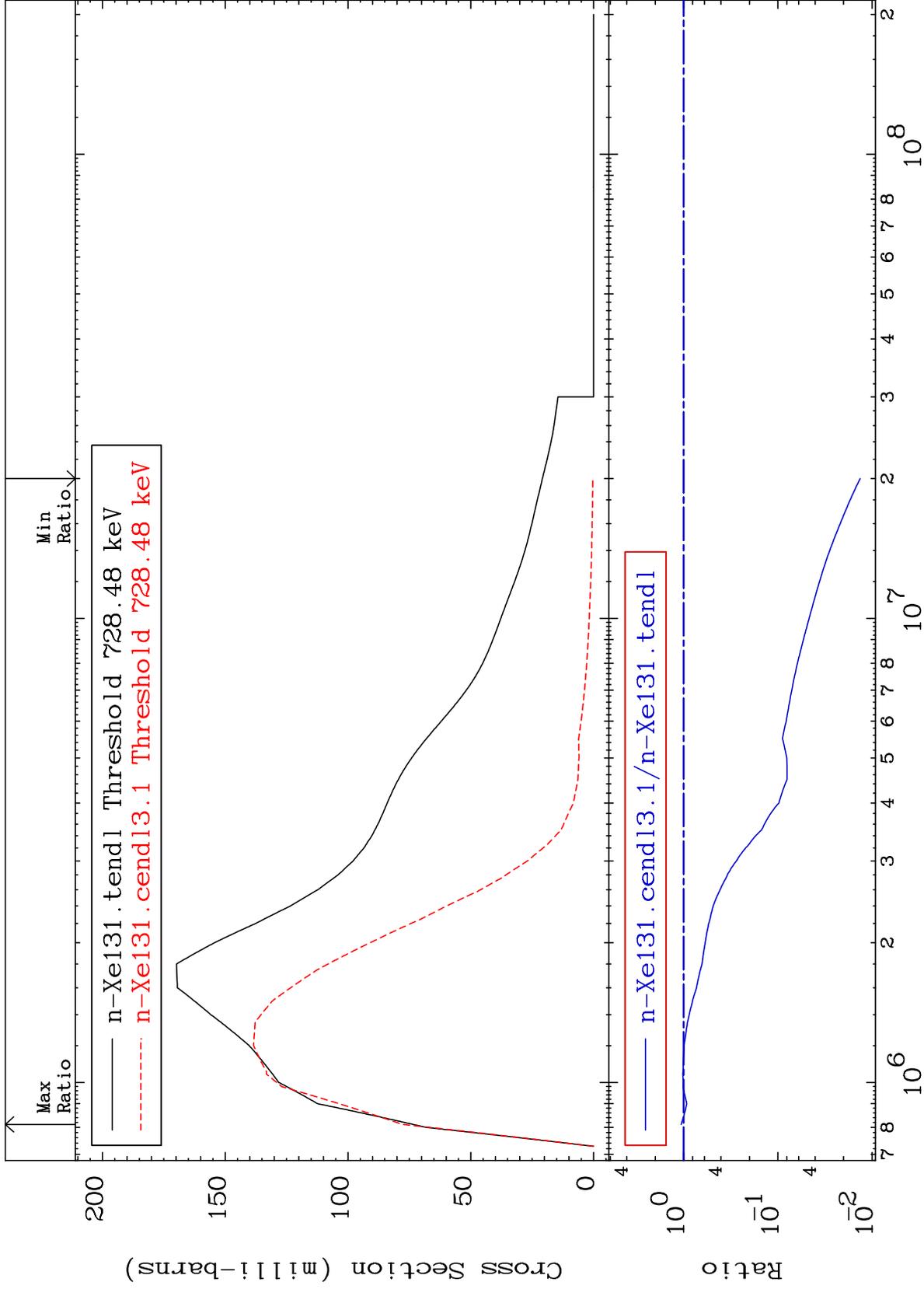
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-98.67 To 5.961 %



17

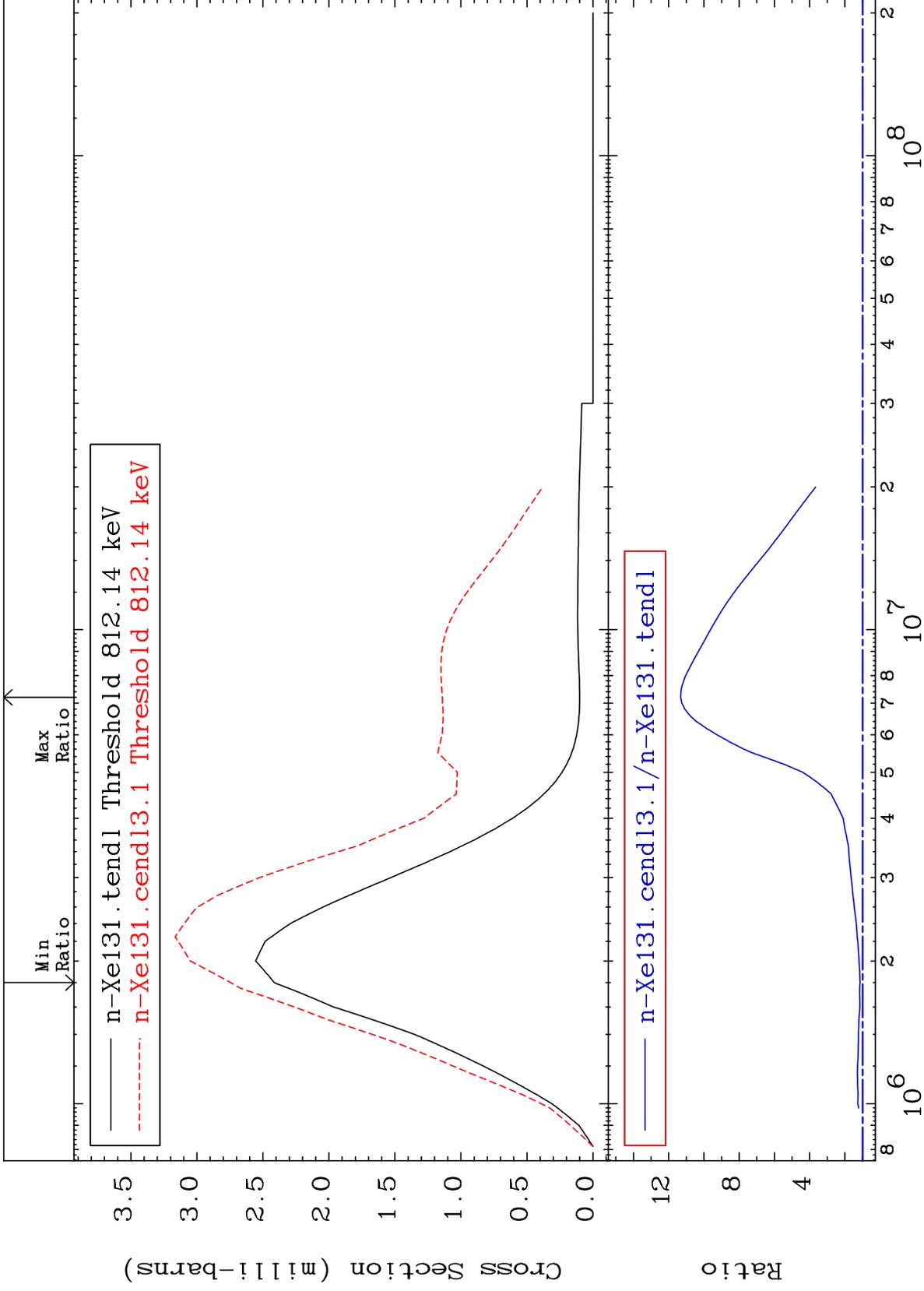
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
13.70 To 1031. %



18

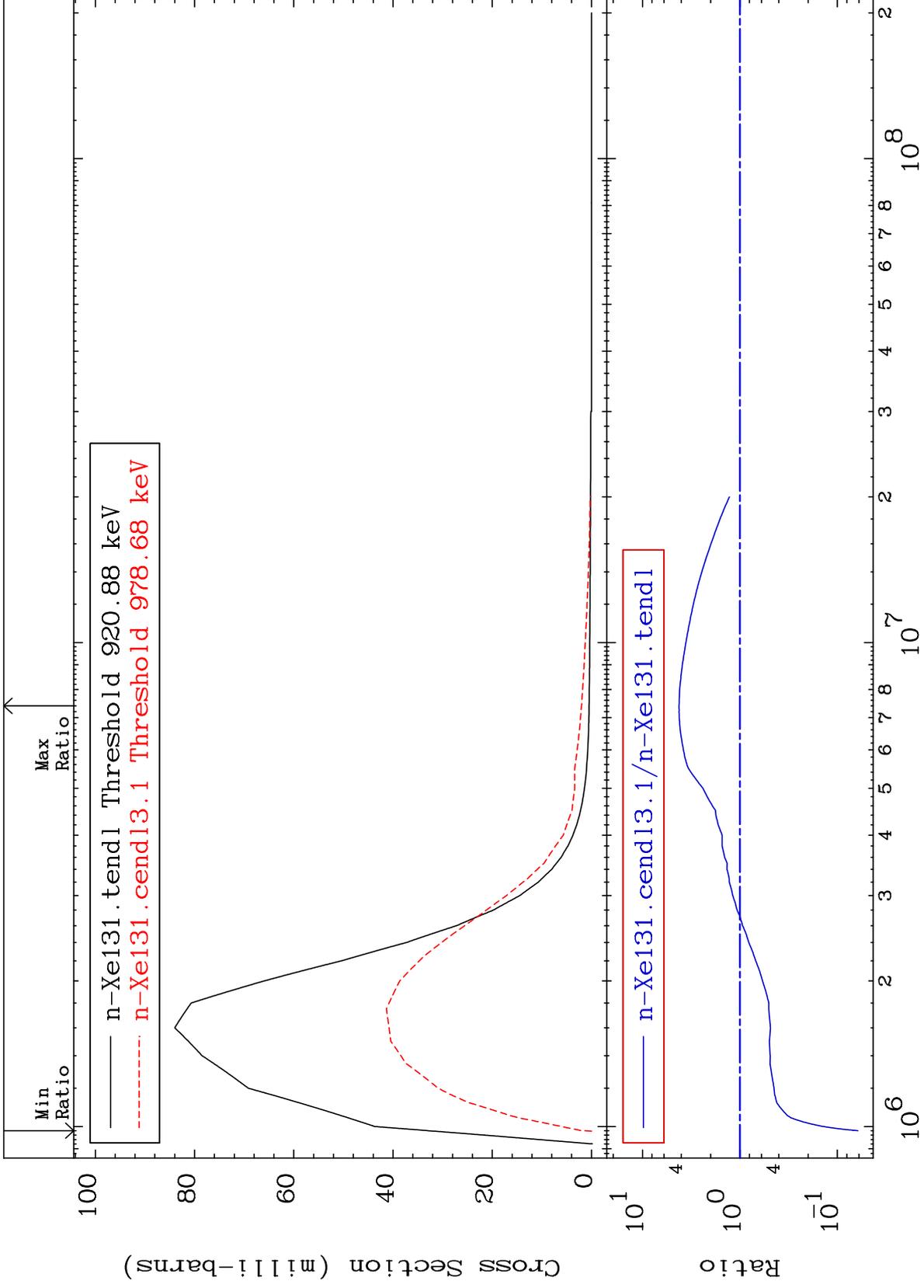
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-93.85 To 321.4 %



19

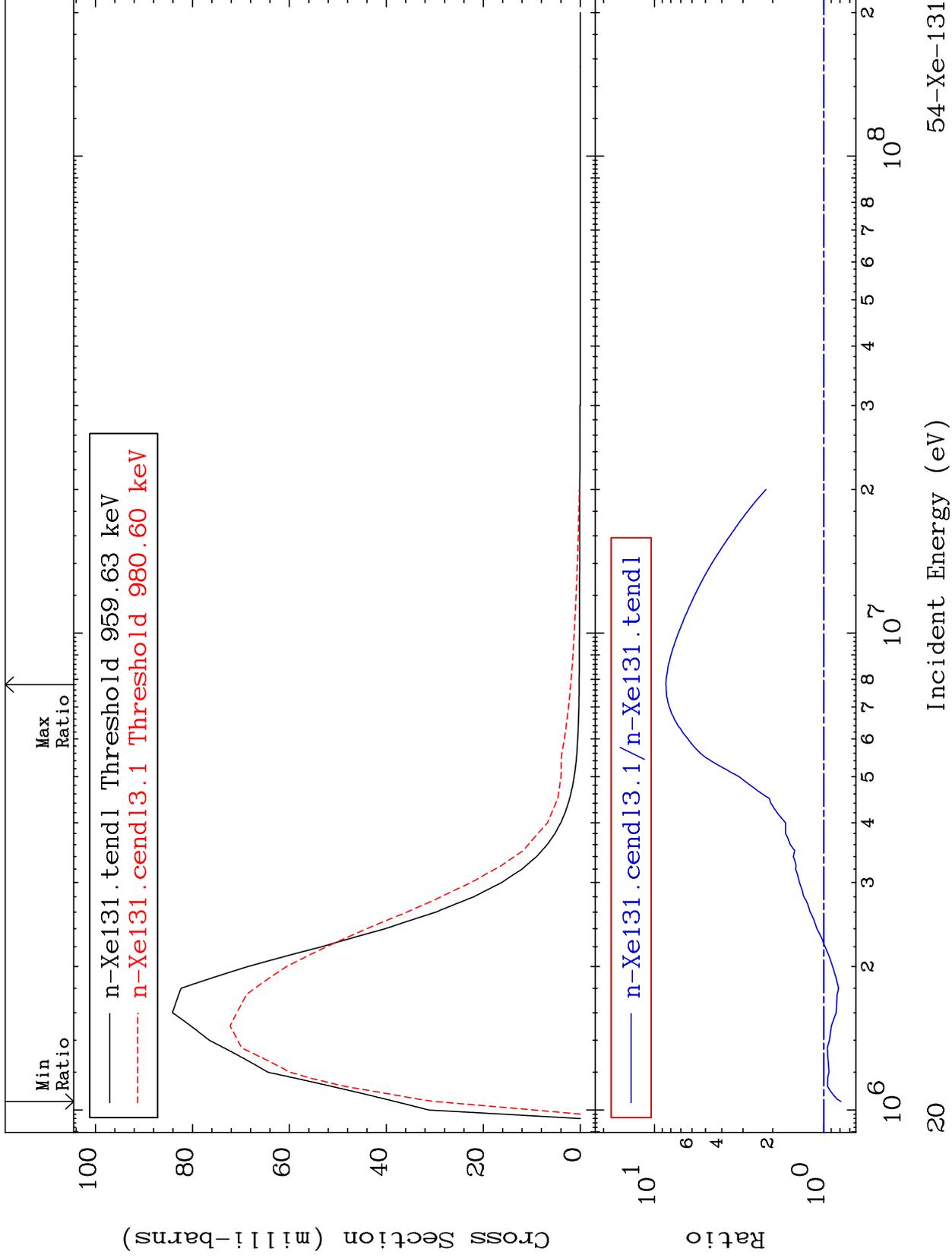
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-21.12 To 755.6 %



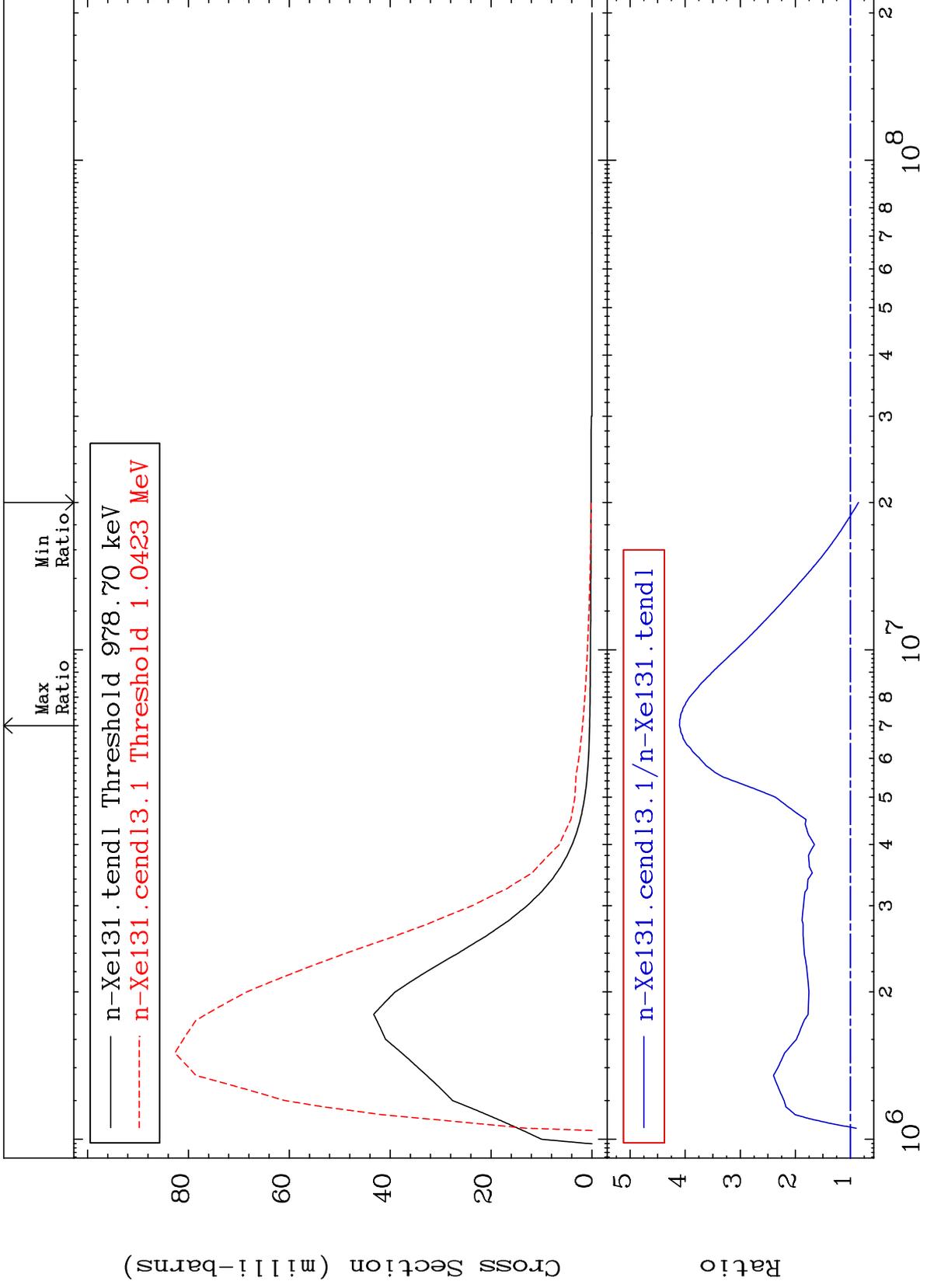
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-14.76 To 310.3 %



21

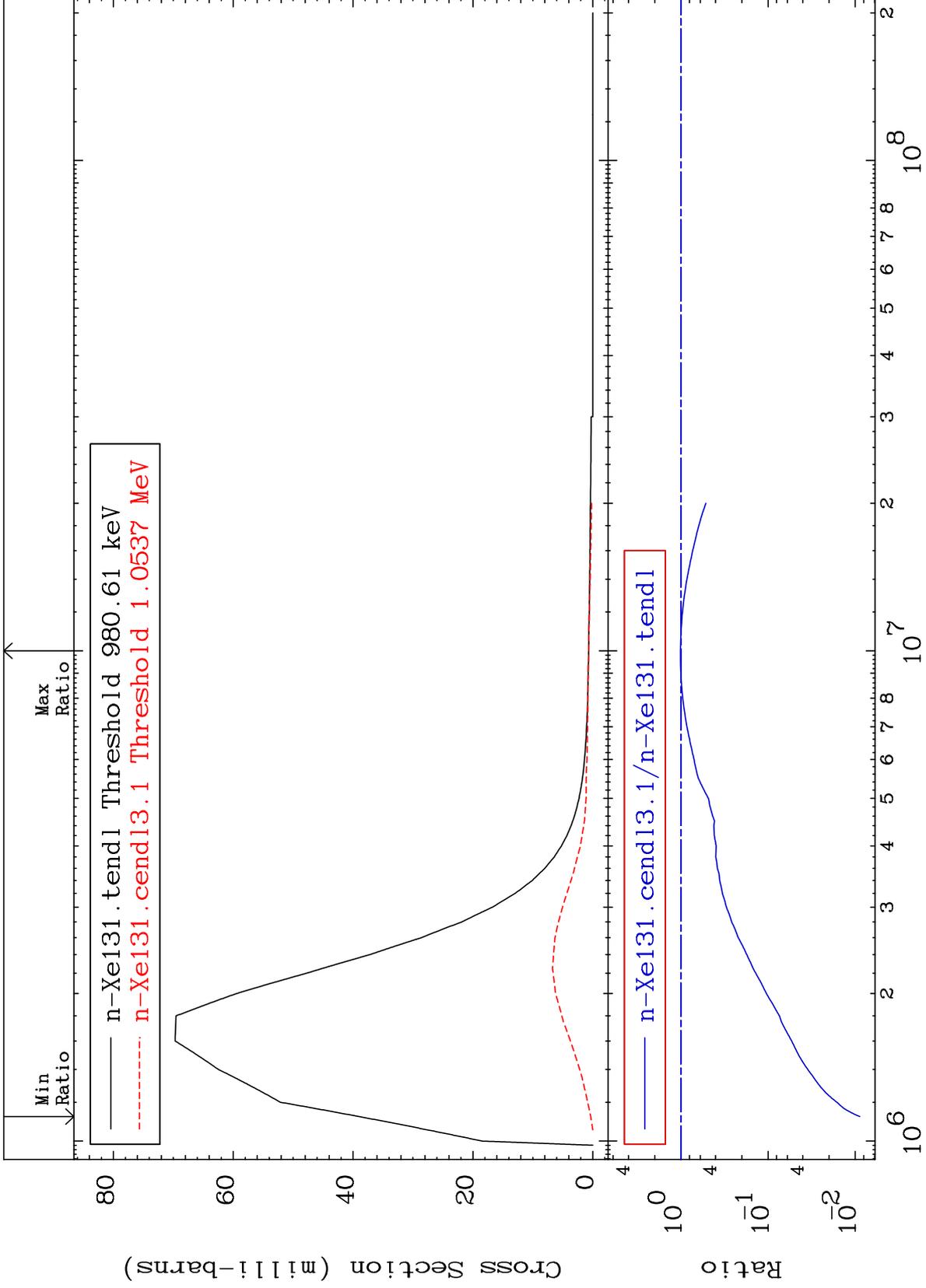
Incident Energy (eV)

54-Xe-131

MAT 5446

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

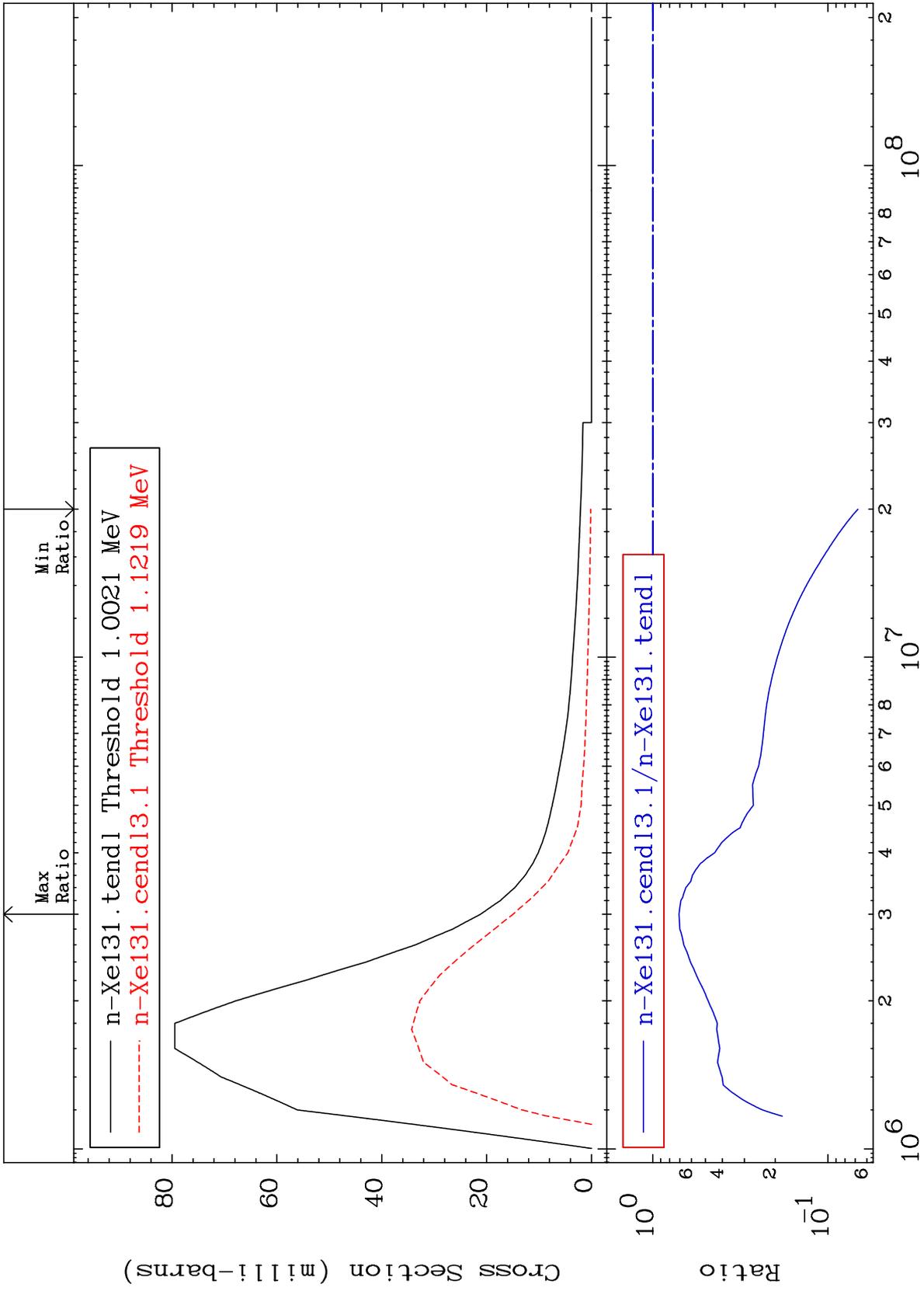
54-Xe-131
-99.11 To 1.130 %



MAT 5446

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

54-Xe-131
-93.25 To -29.28%



23

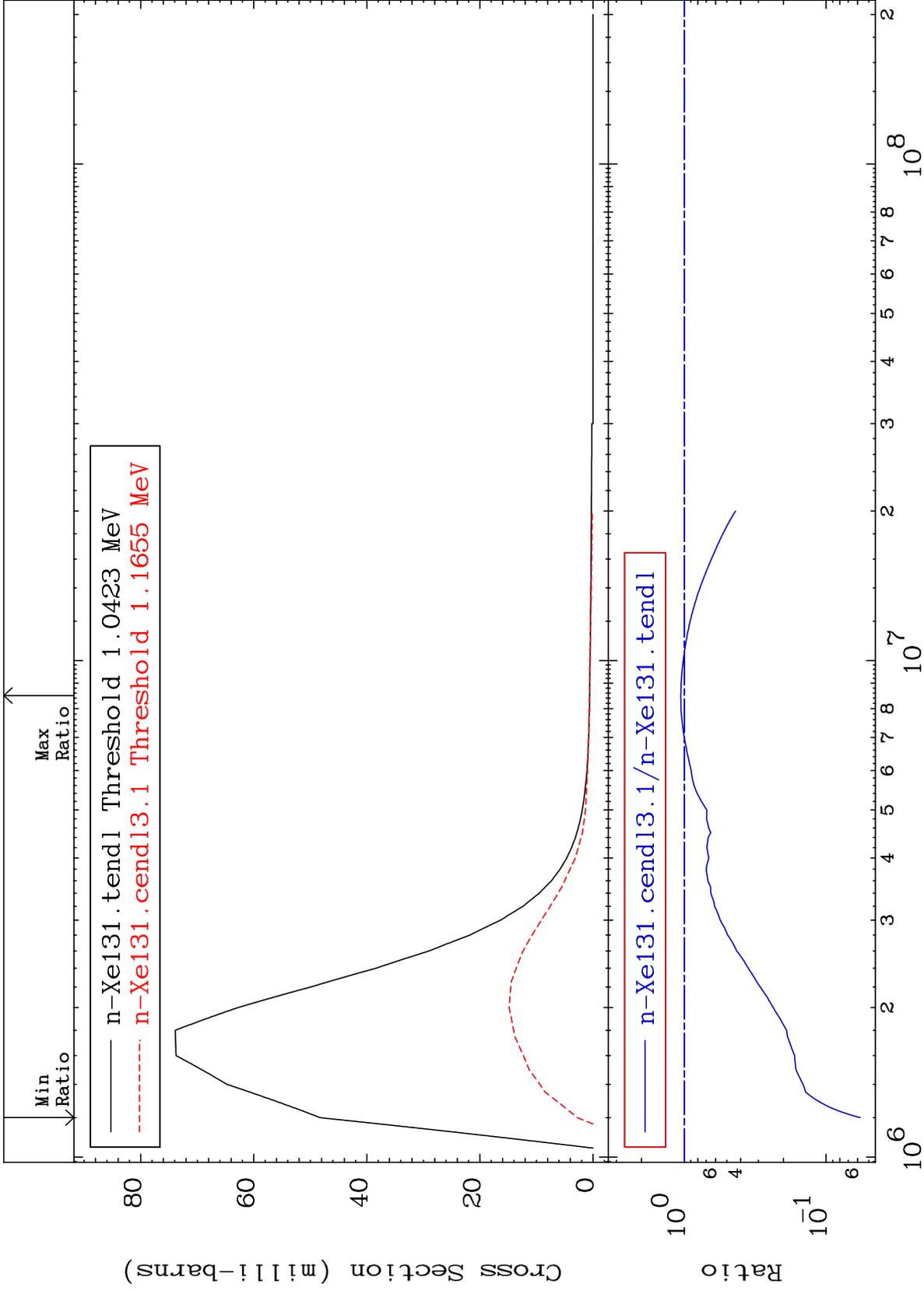
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-94.24 To 5.697 %



24

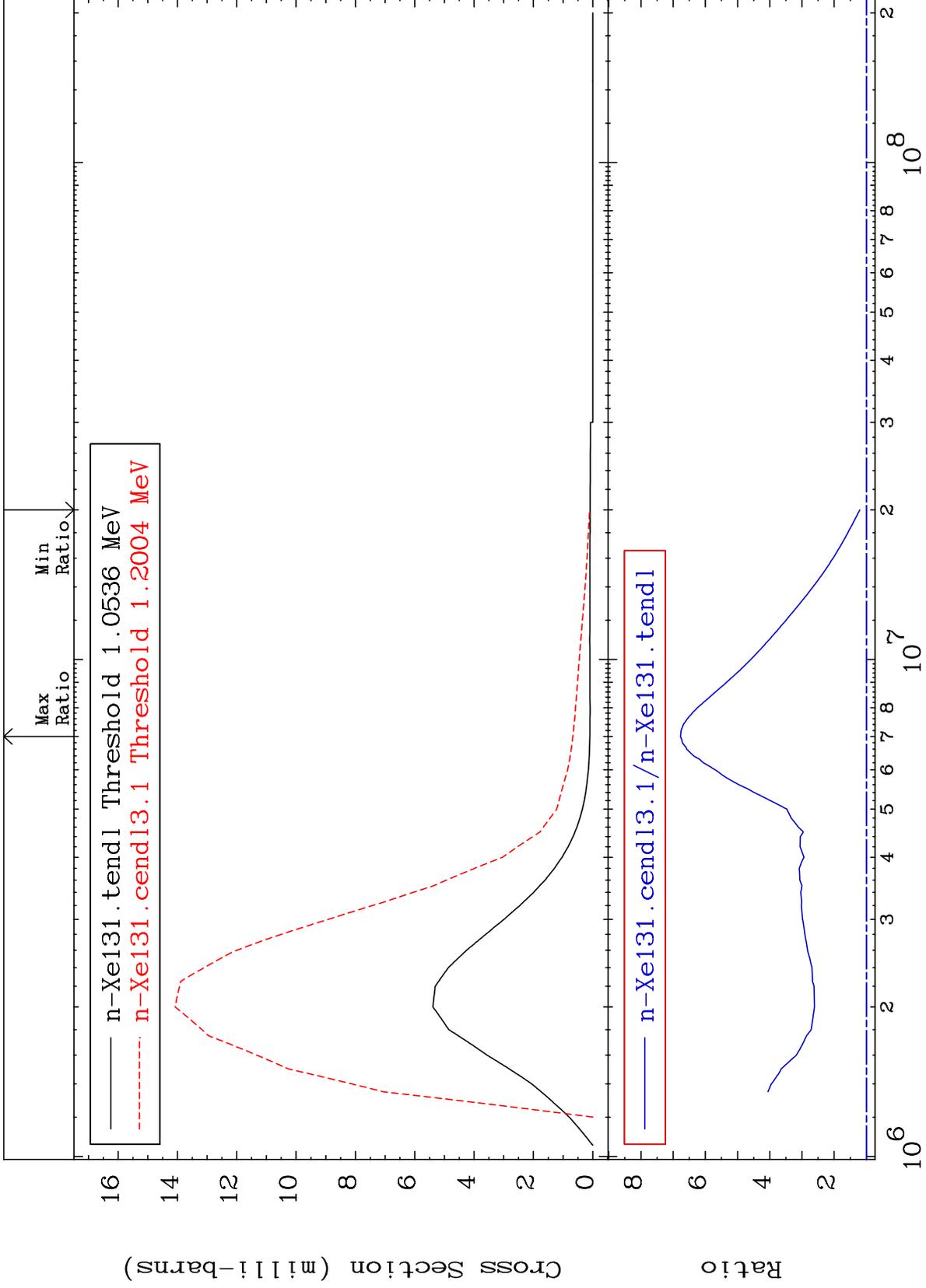
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
20.58 To 577.1 %



25

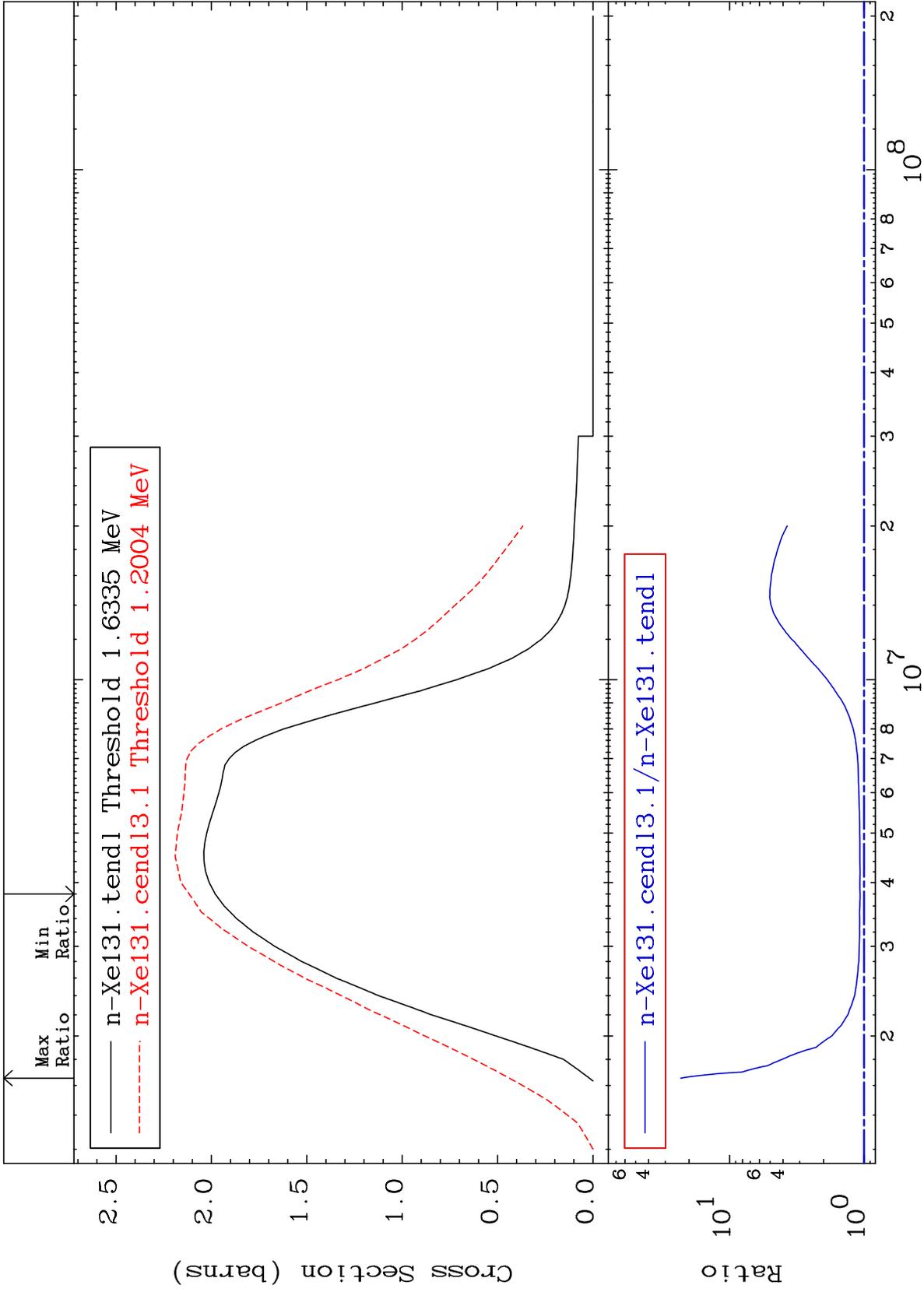
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum
Cross Section

54-Xe-131
6.889 To 2205. %



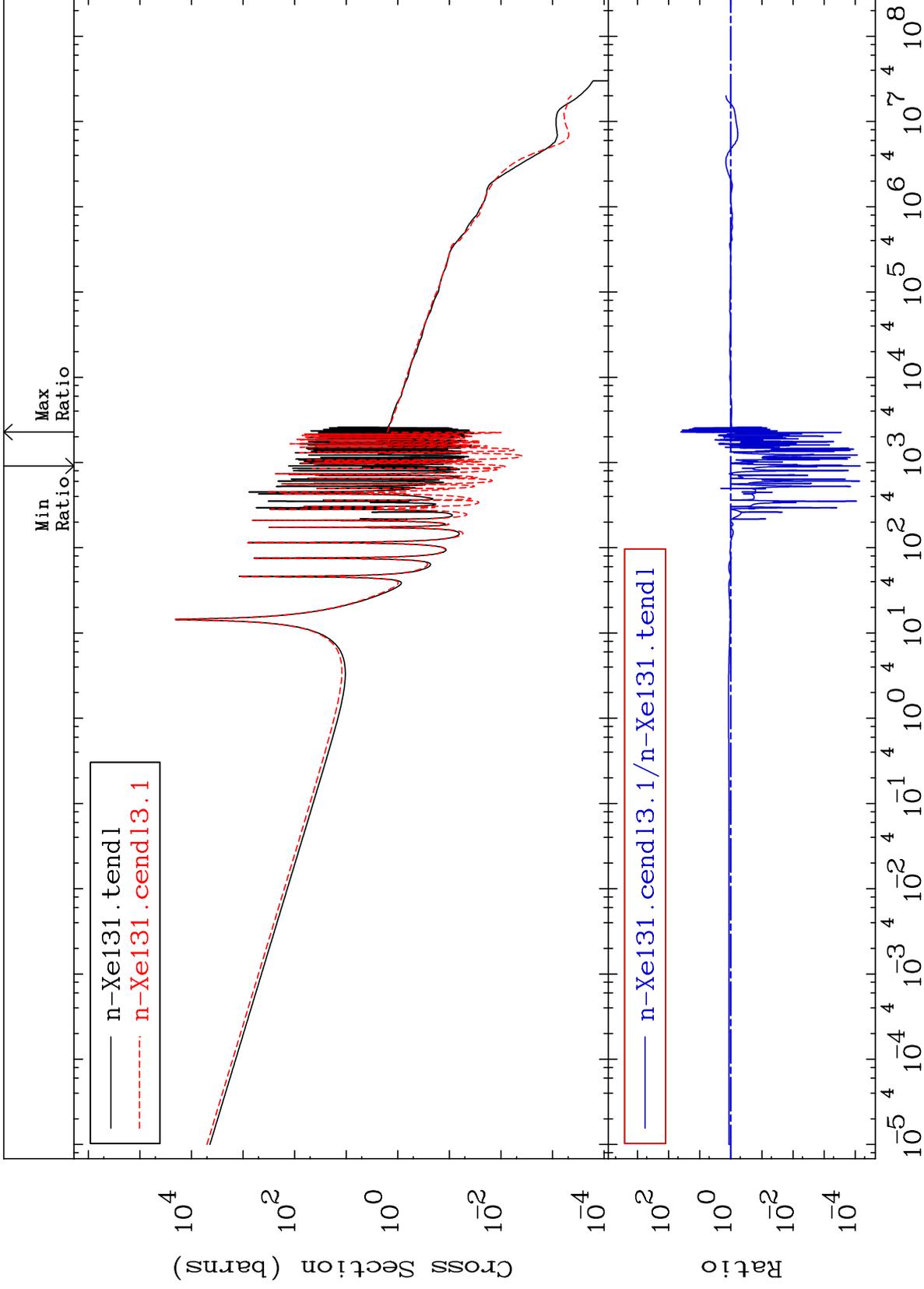
MAT 5446

(n, γ)

54-Xe-131

Cross Section

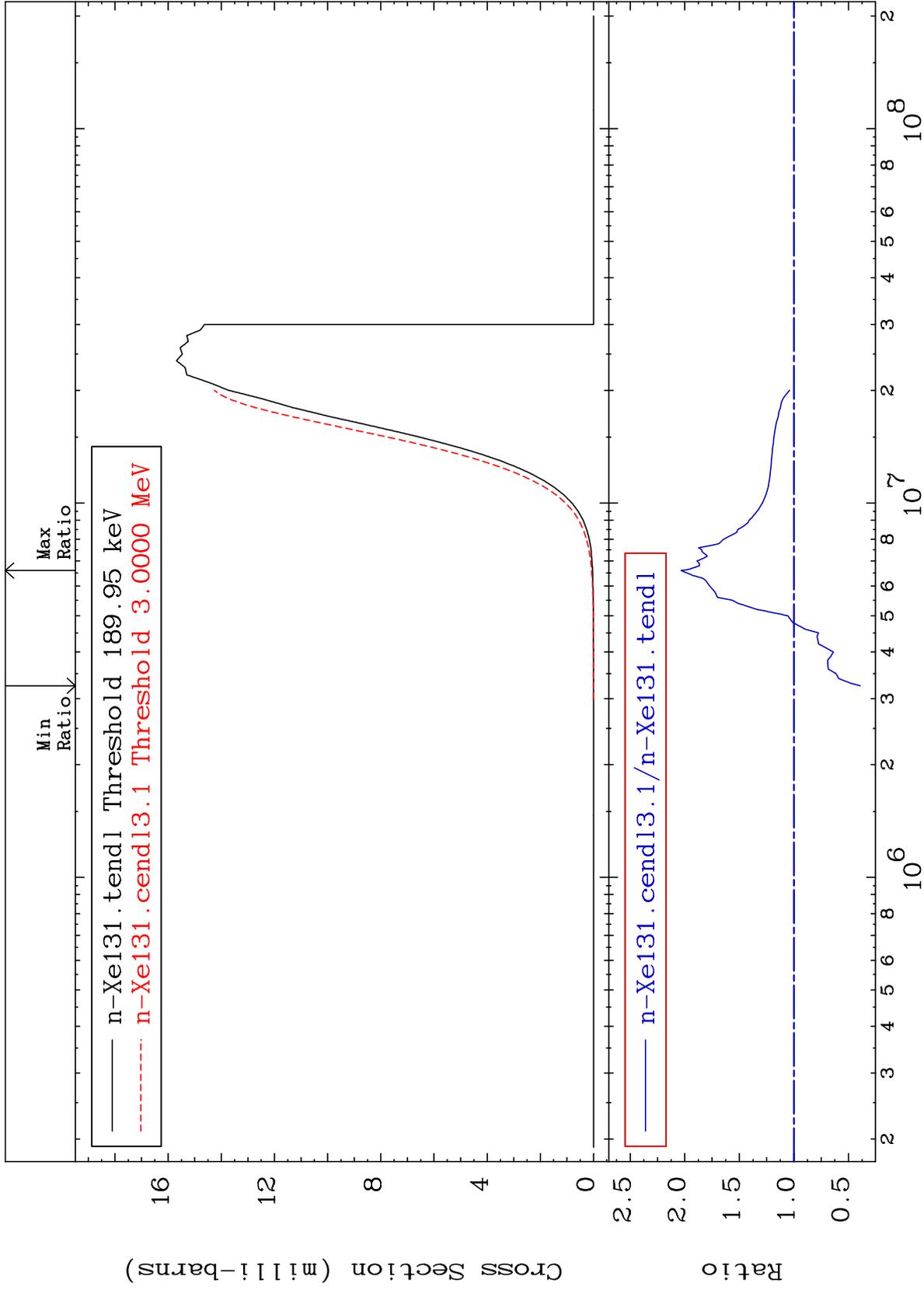
-99.99 To 3948. %



MAT 5446

54-Xe-131

(n,p)
Cross Section
-60.79 To 103.3 %



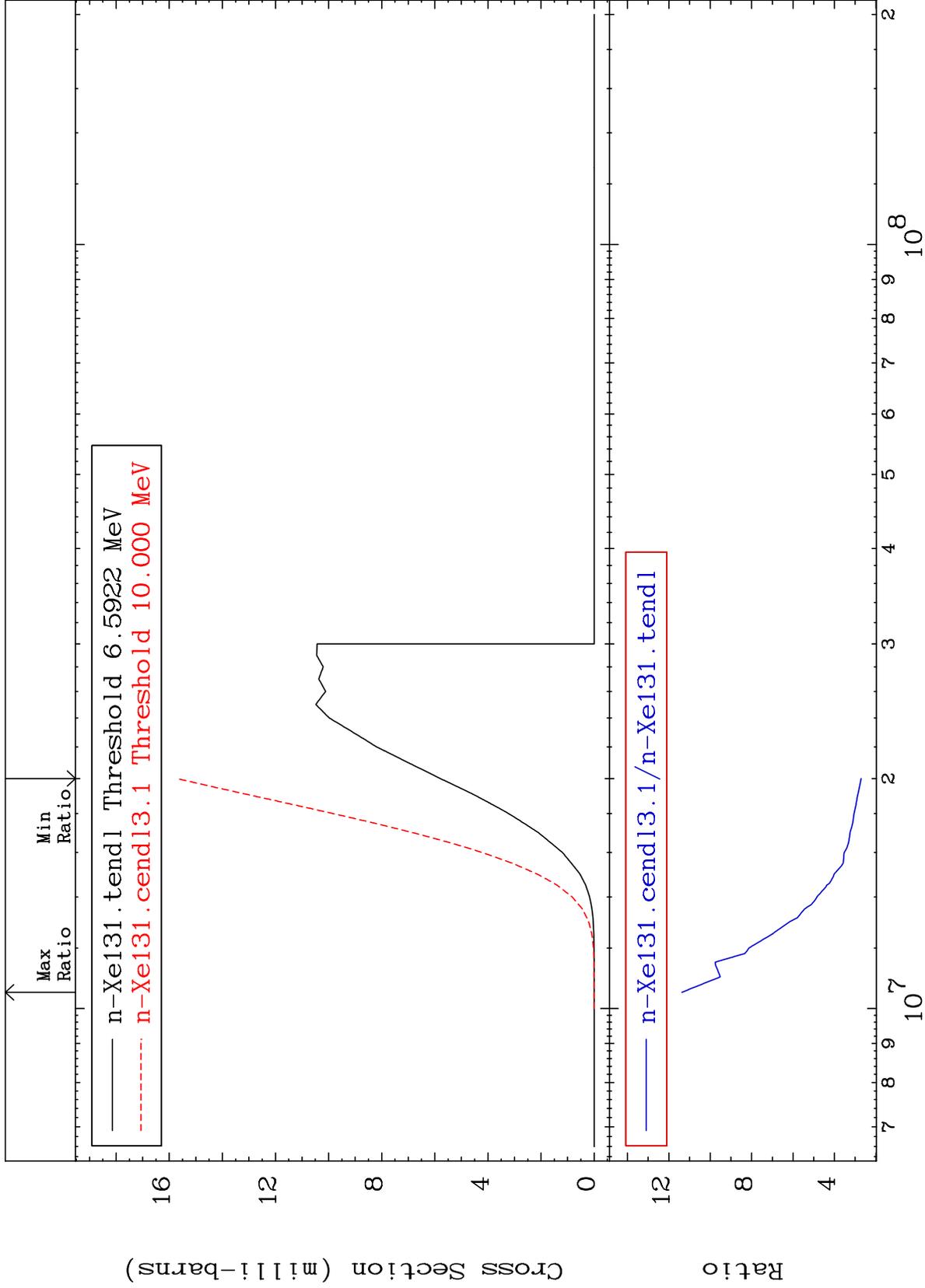
MAT 5446

(n, d)

54-Xe-131

Cross Section

171.2 To 1037. %



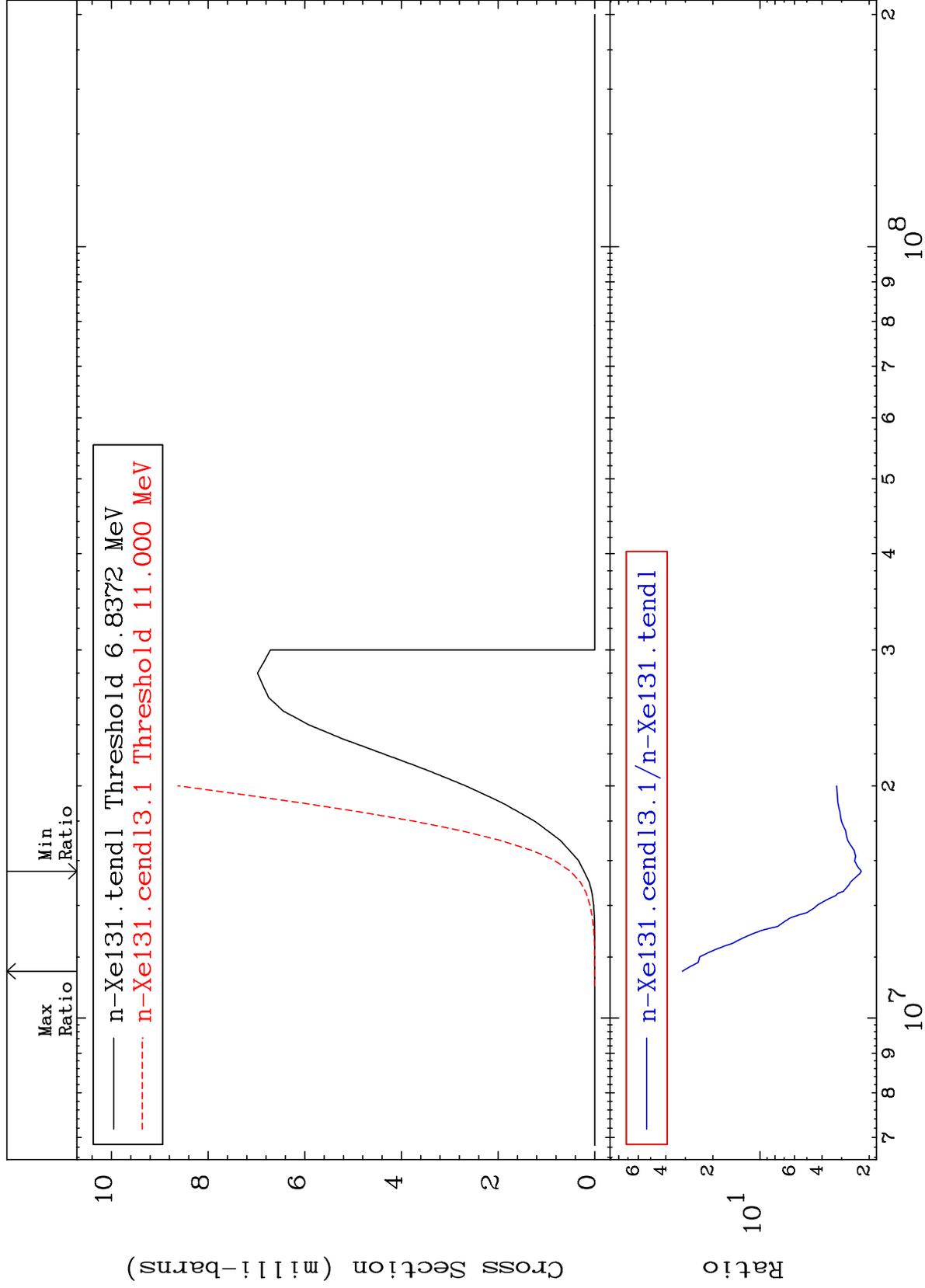
MAT 5446

(n, t)

54-Xe-131

Cross Section

124.7 To 3037. %



30

Incident Energy (eV)

54-Xe-131

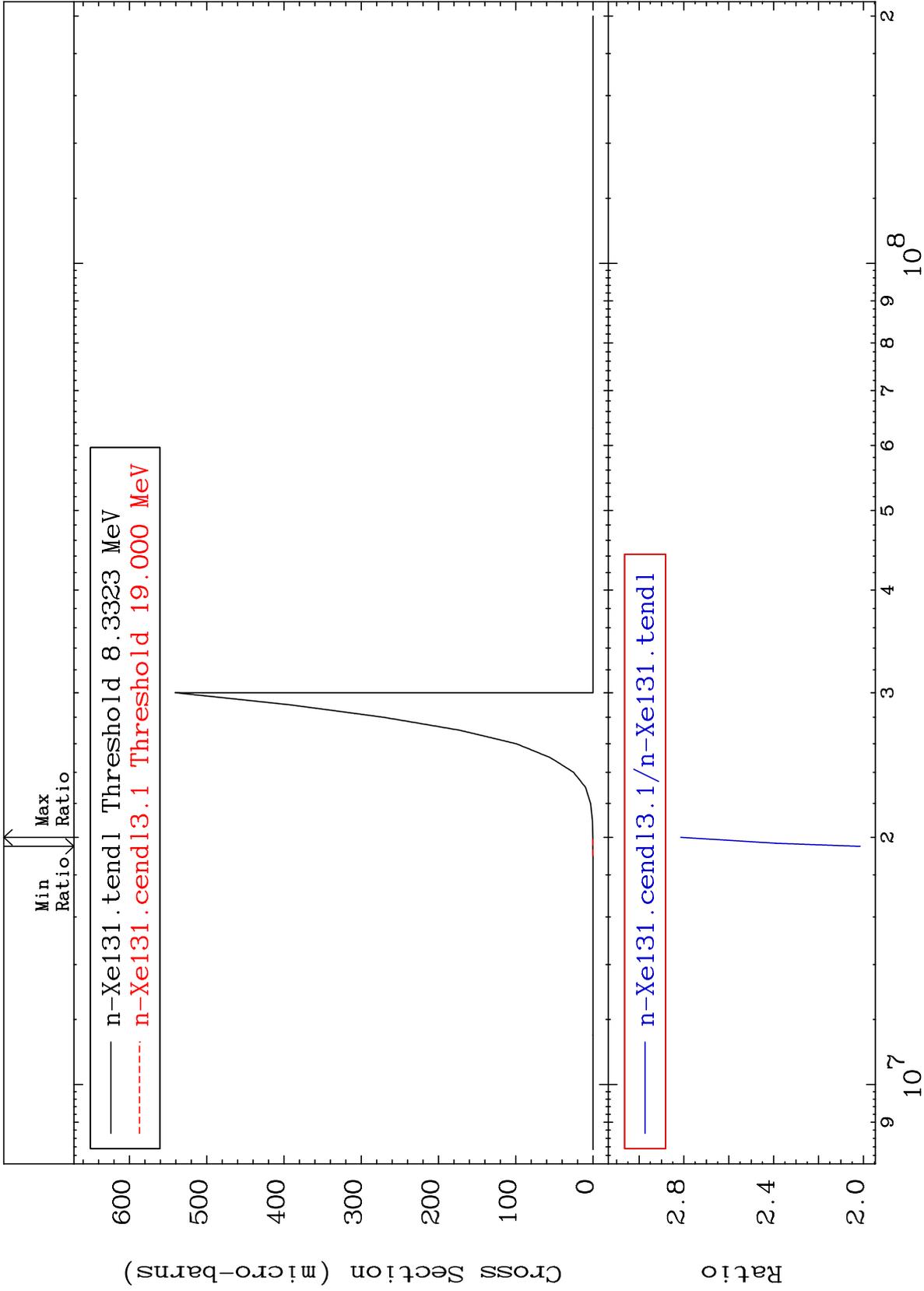
MAT 5446

(n, He-3)

54-Xe-131

Cross Section

101.5 To 181.4 %



31

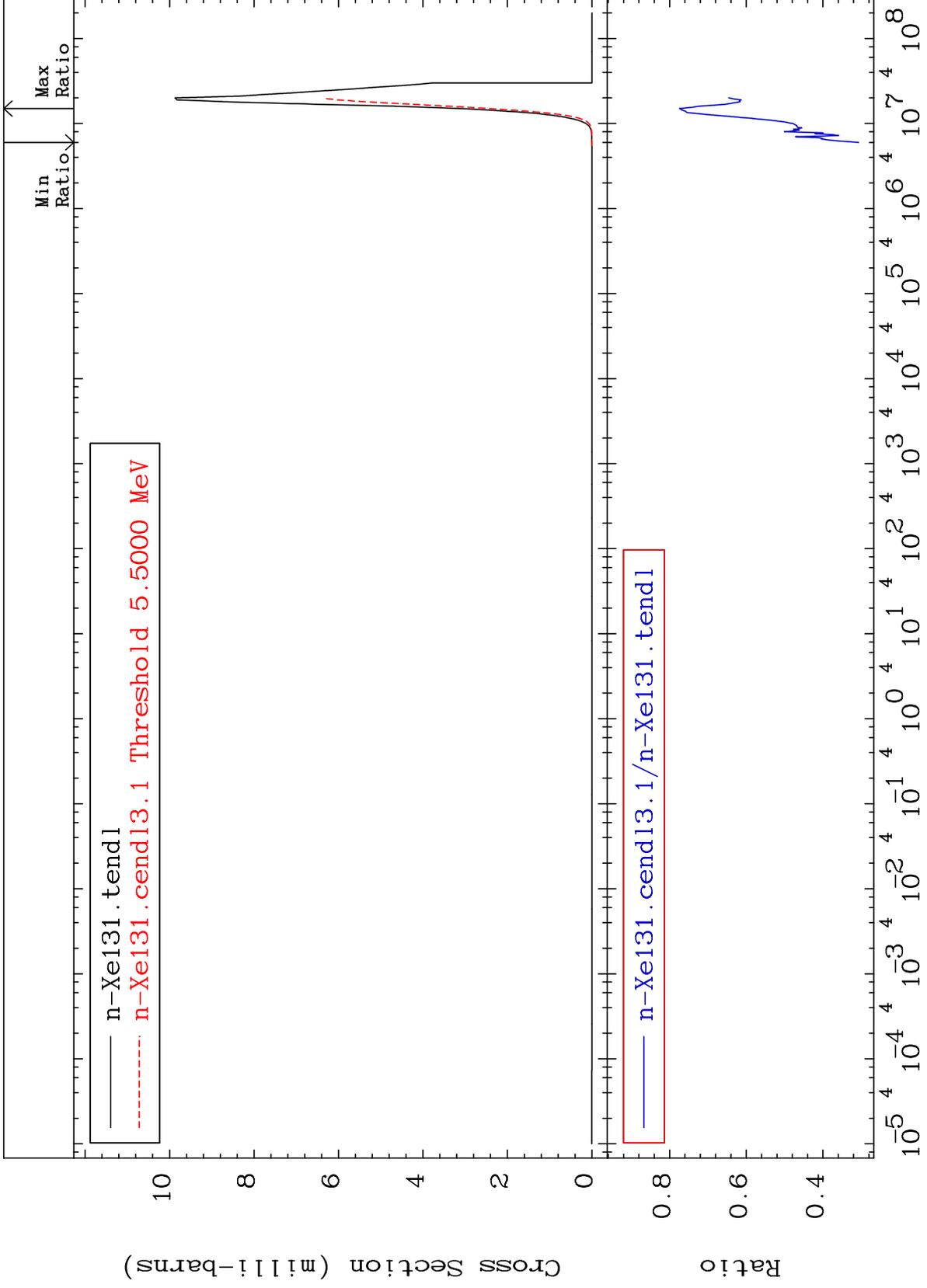
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, α)
Cross Section

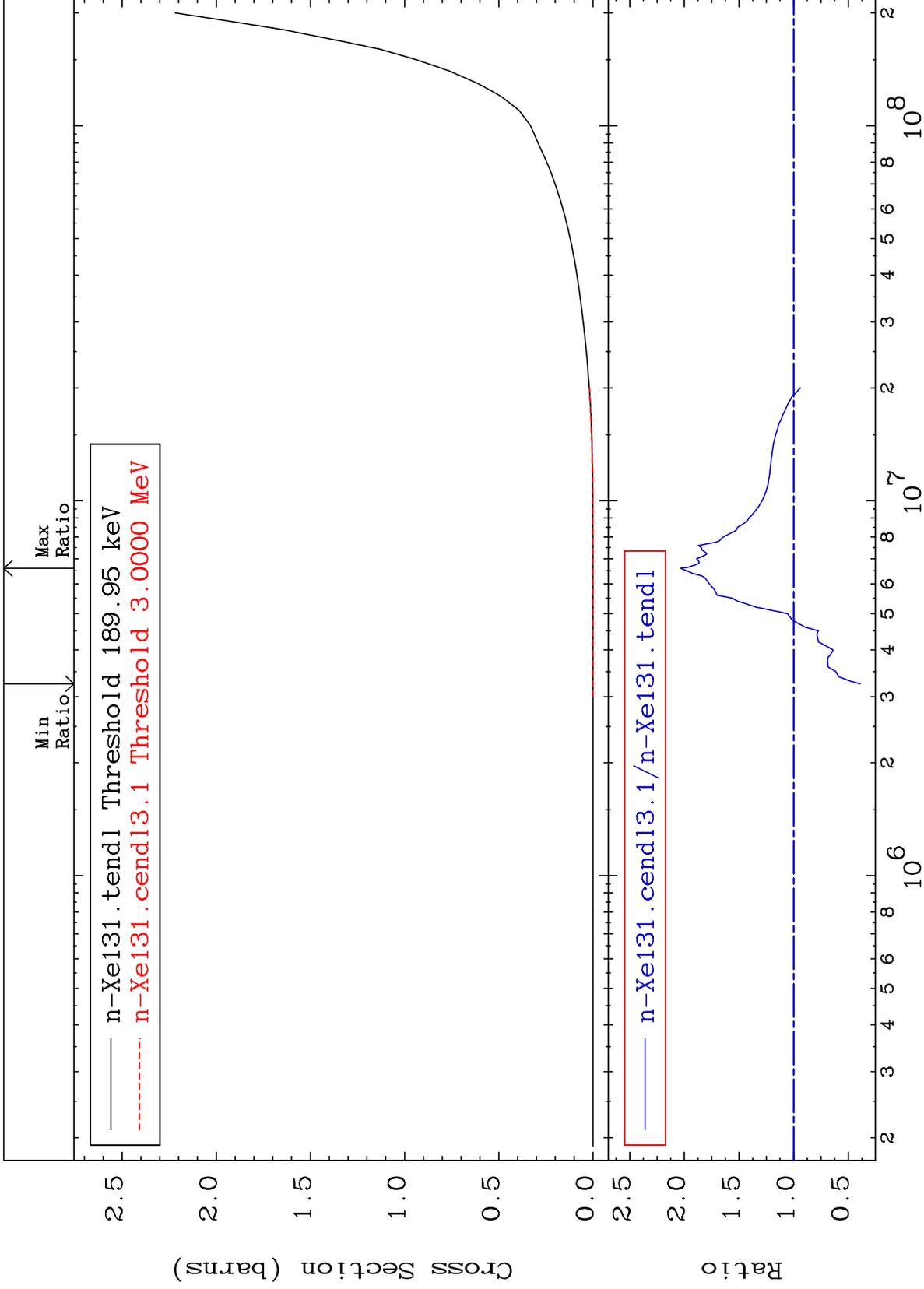
54-Xe-131
-69.28 To -22.59%



32

Incident Energy (eV)

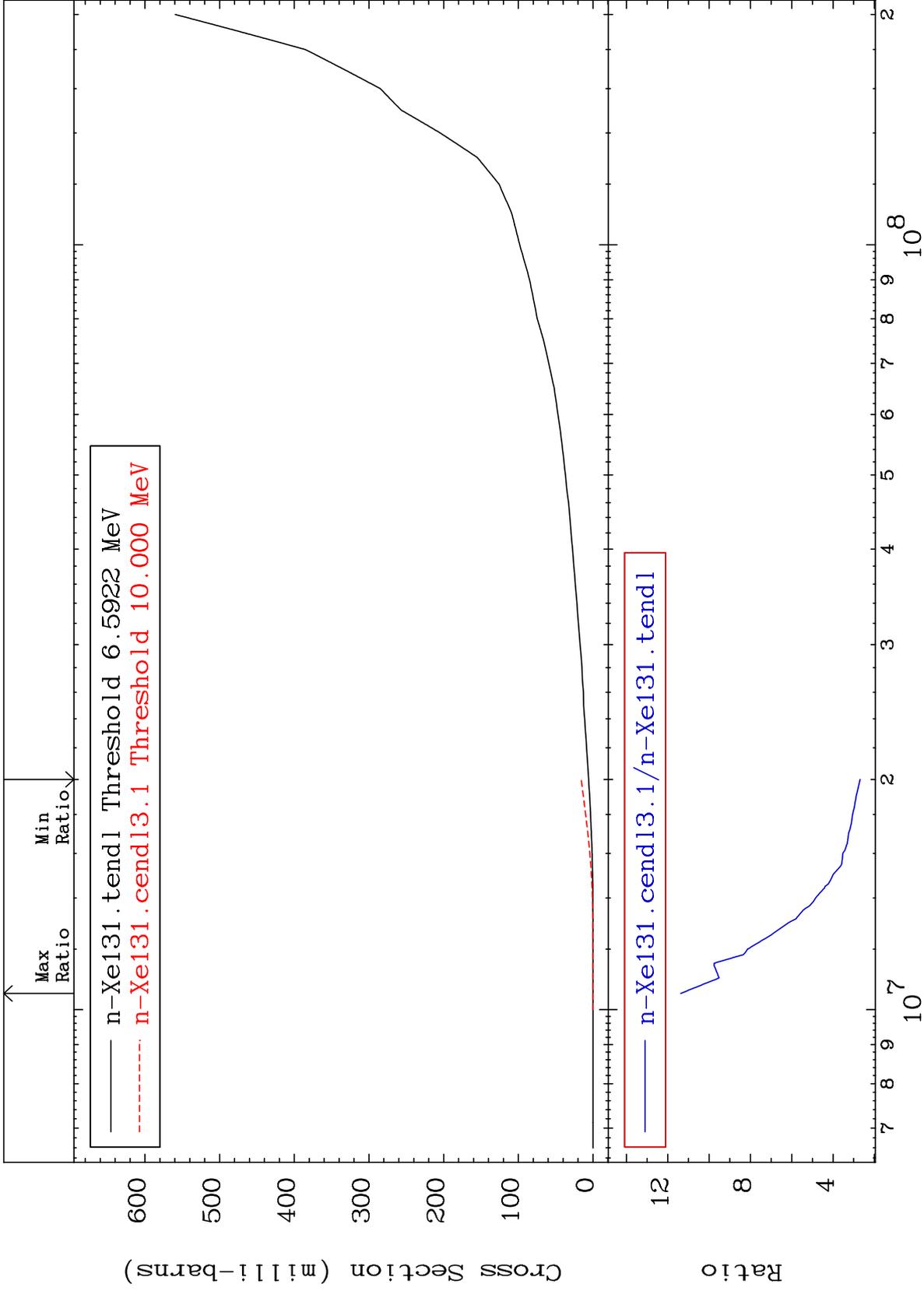
54-Xe-131



MAT 5446

Deuterium Production
Cross Section

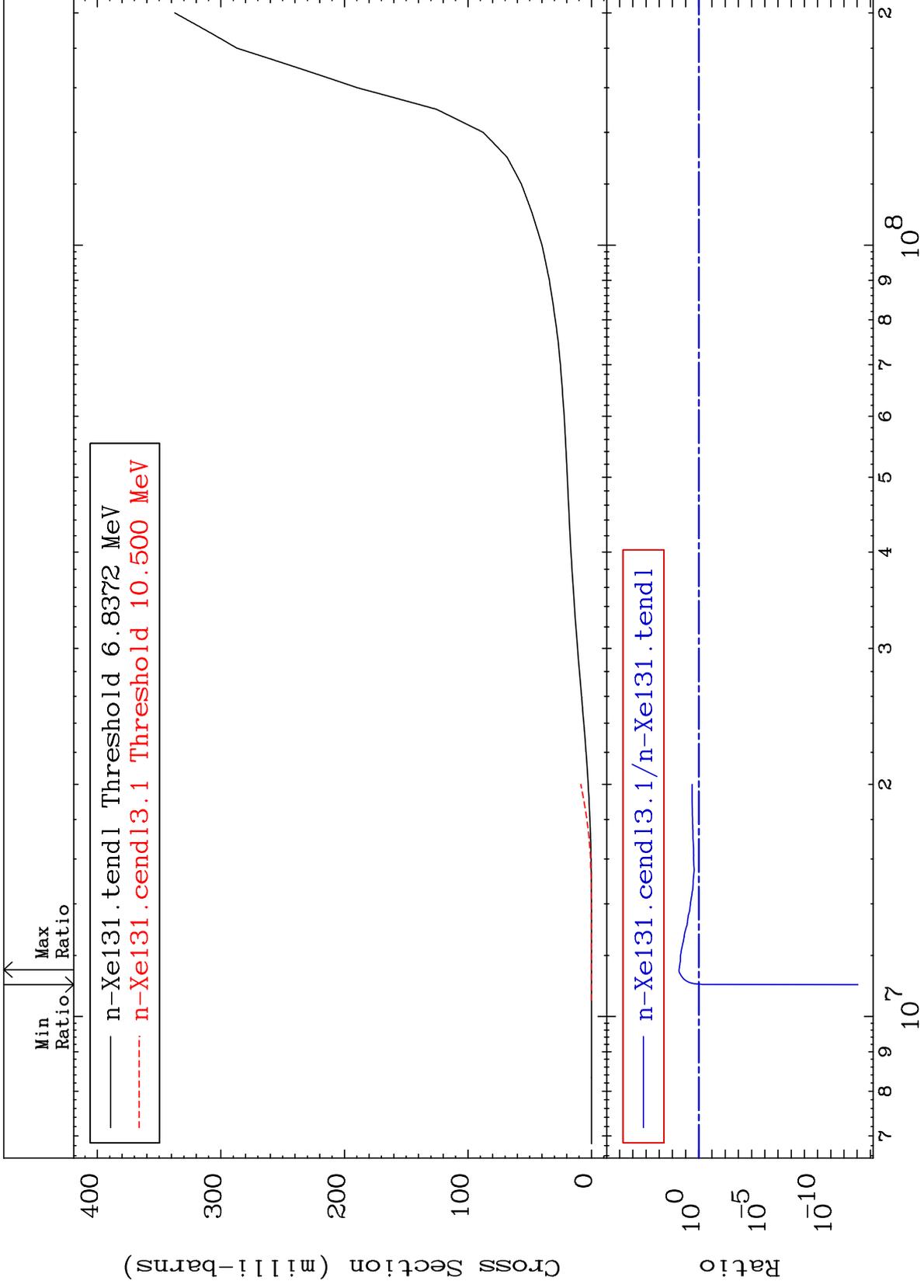
54-Xe-131
169.1 To 1037. %



MAT 5446

Tritium Production
Cross Section

54-Xe-131
-100.0 To 3037. %



35

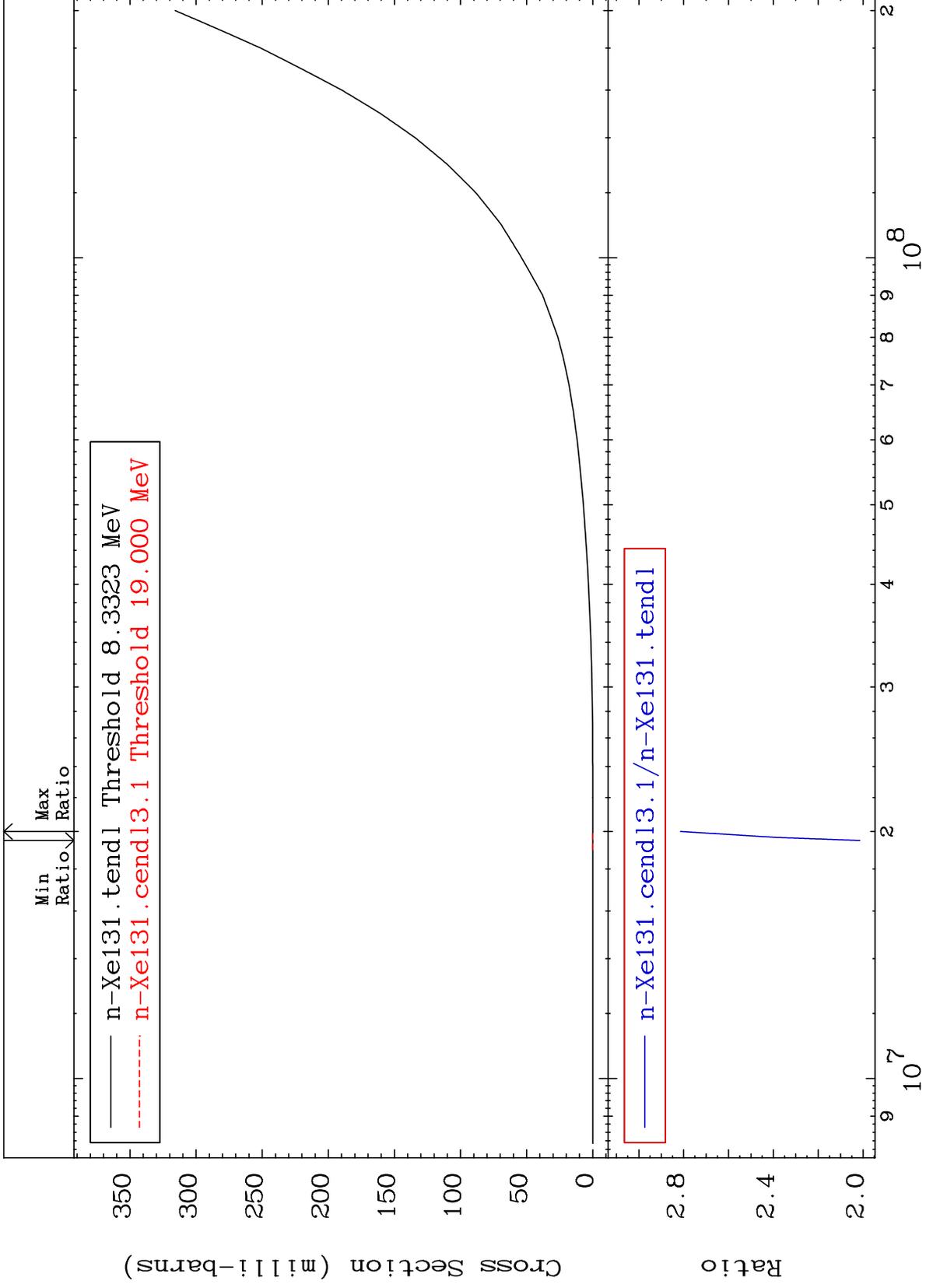
Incident Energy (eV)

54-Xe-131

MAT 5446

He-3 Production
Cross Section

54-Xe-131
101.5 To 181.4 %



36

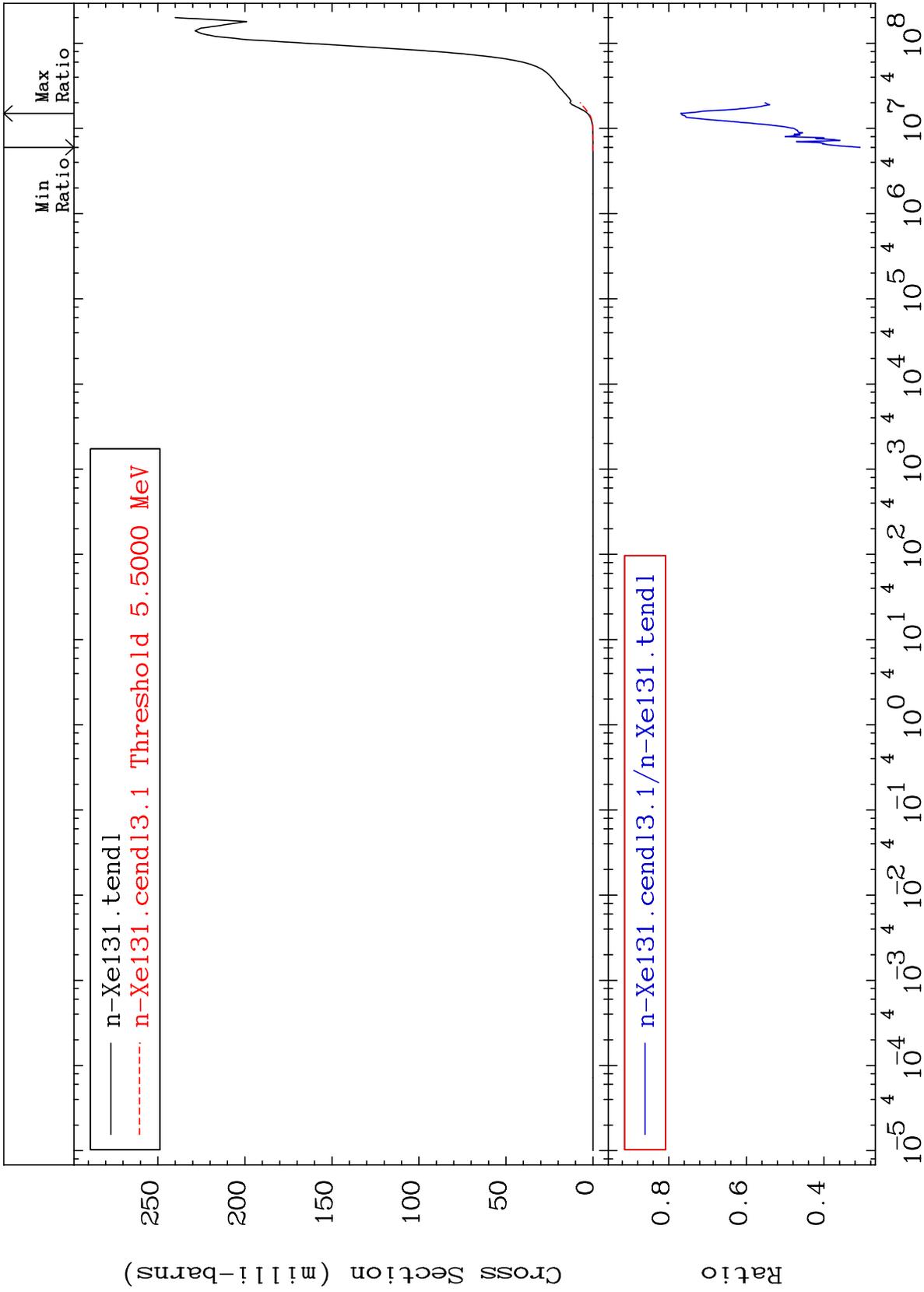
Incident Energy (eV)

54-Xe-131

MAT 5446

He-4 Production
Cross Section

54-Xe-131
-69.28 To -23.09%



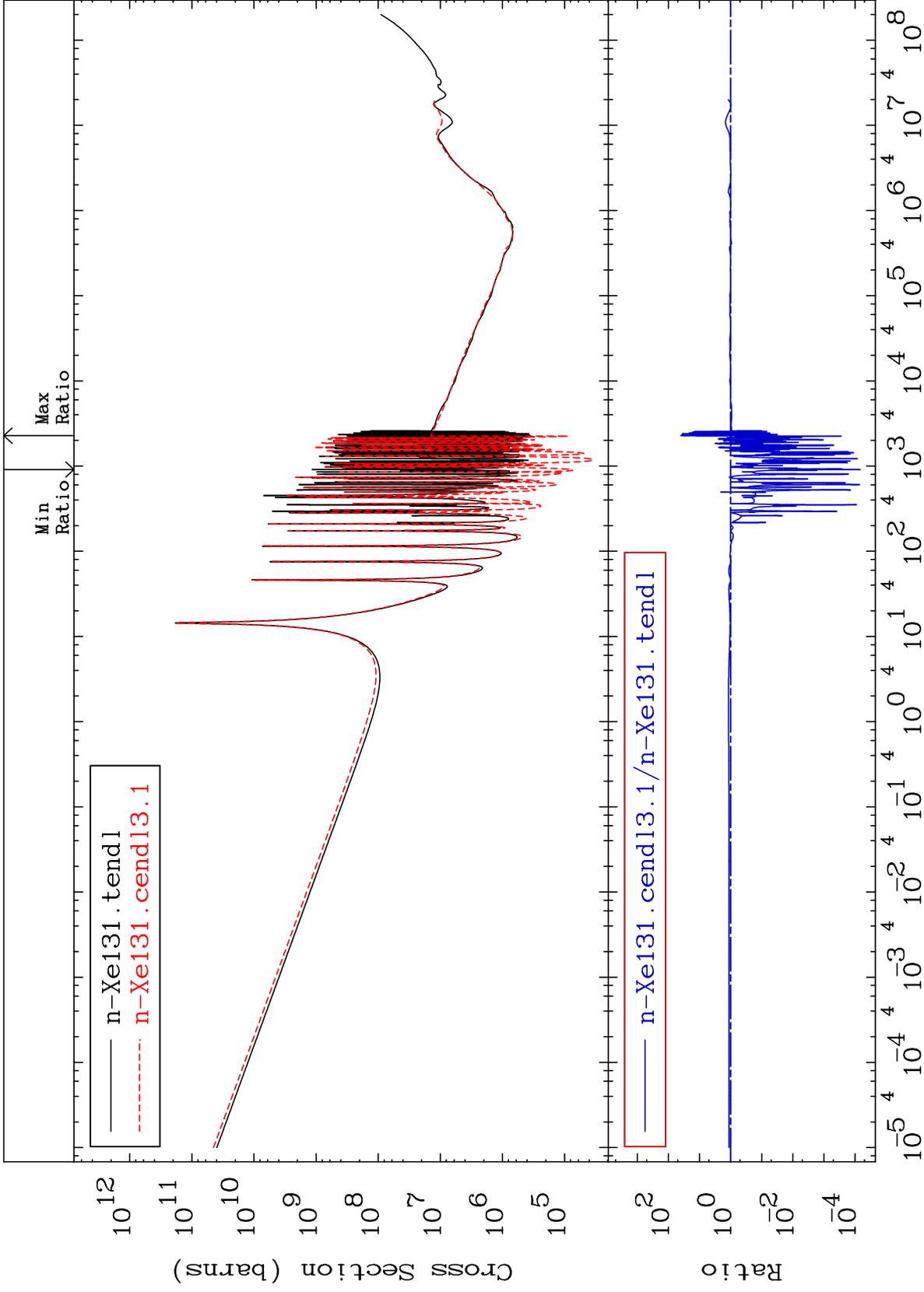
37

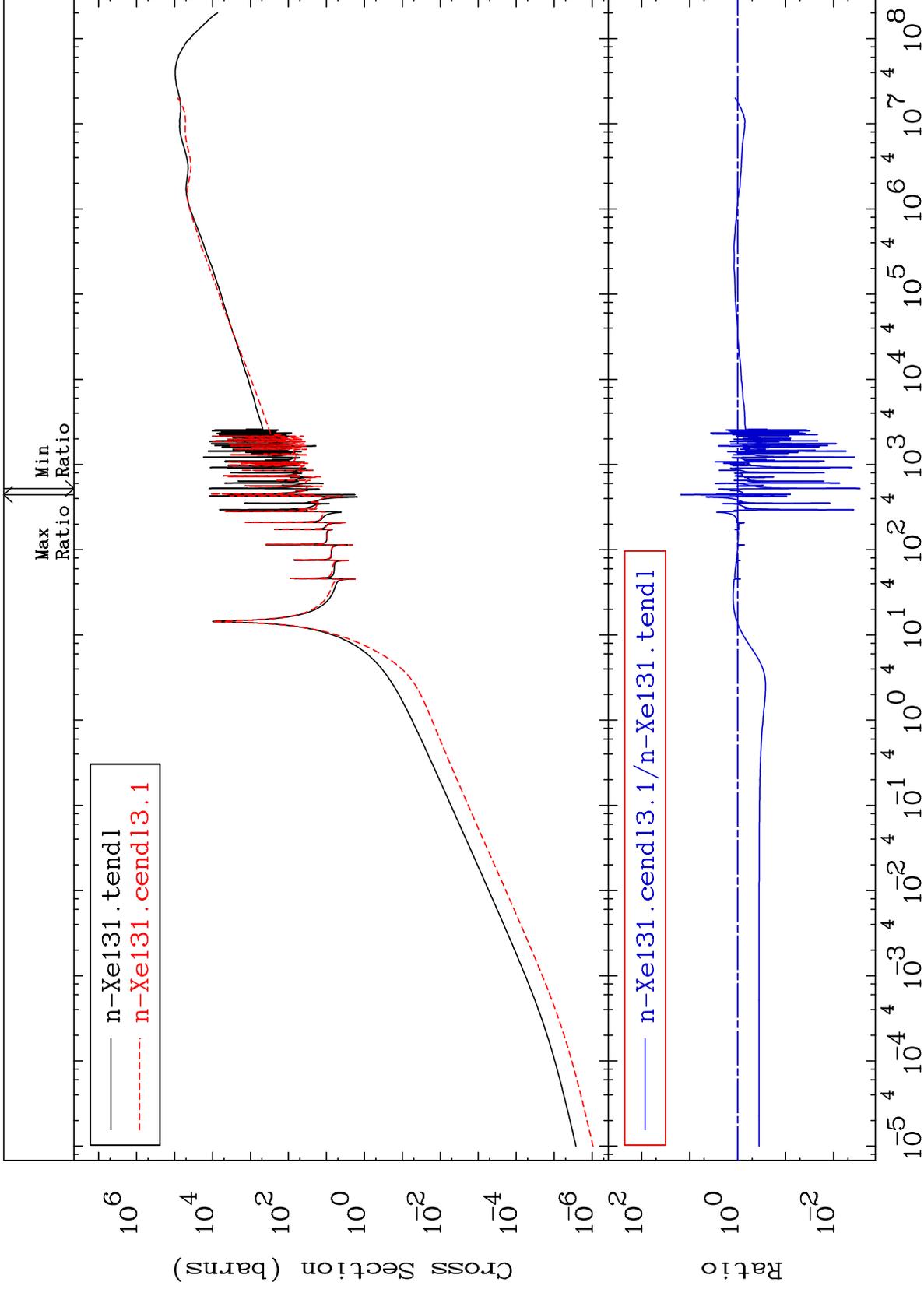
Incident Energy (eV)

54-Xe-131

Cross Section

-99.99 To 3902. %

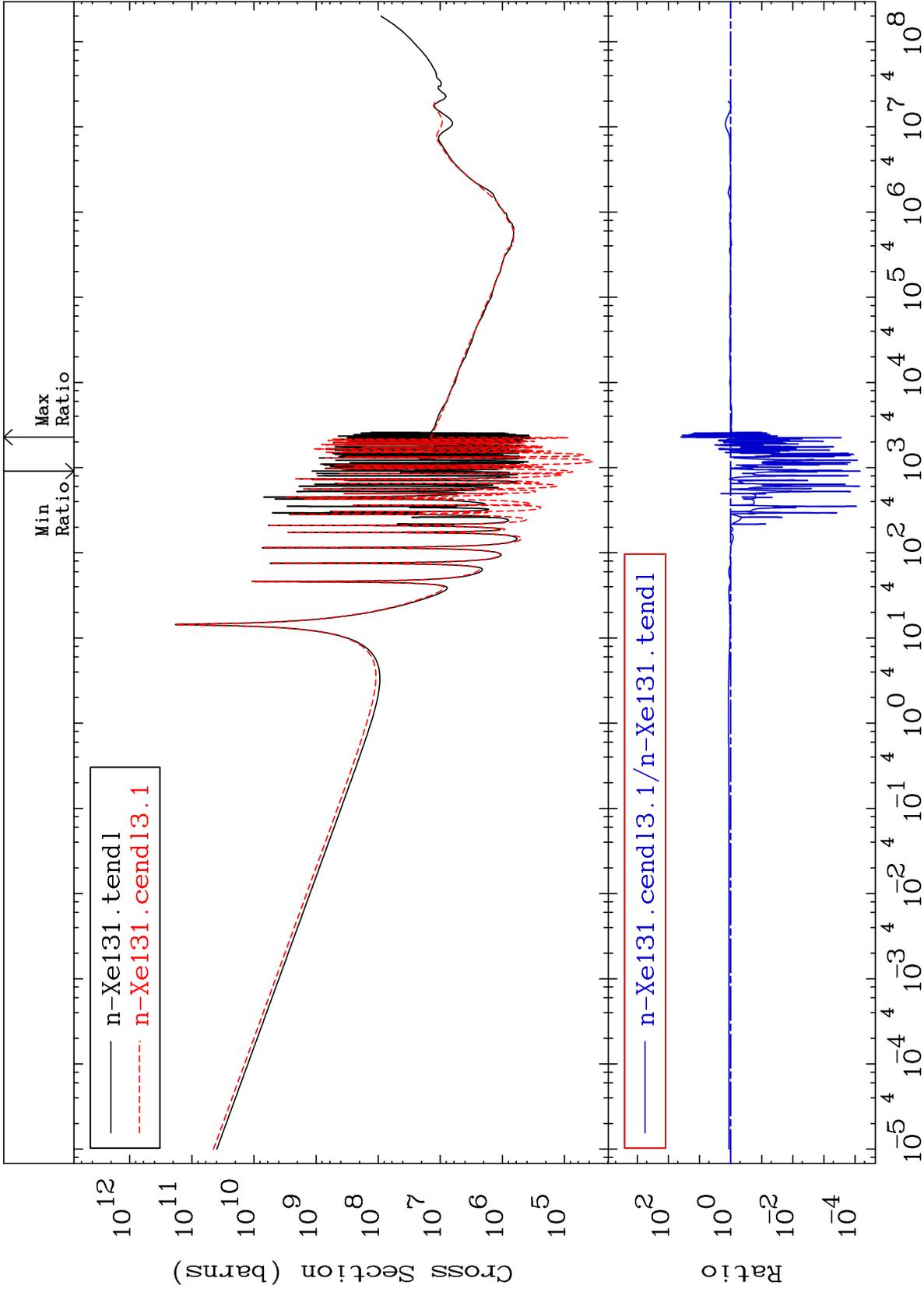




MAT 5446

Kerma non-elastic (all but mt2)
Cross Section

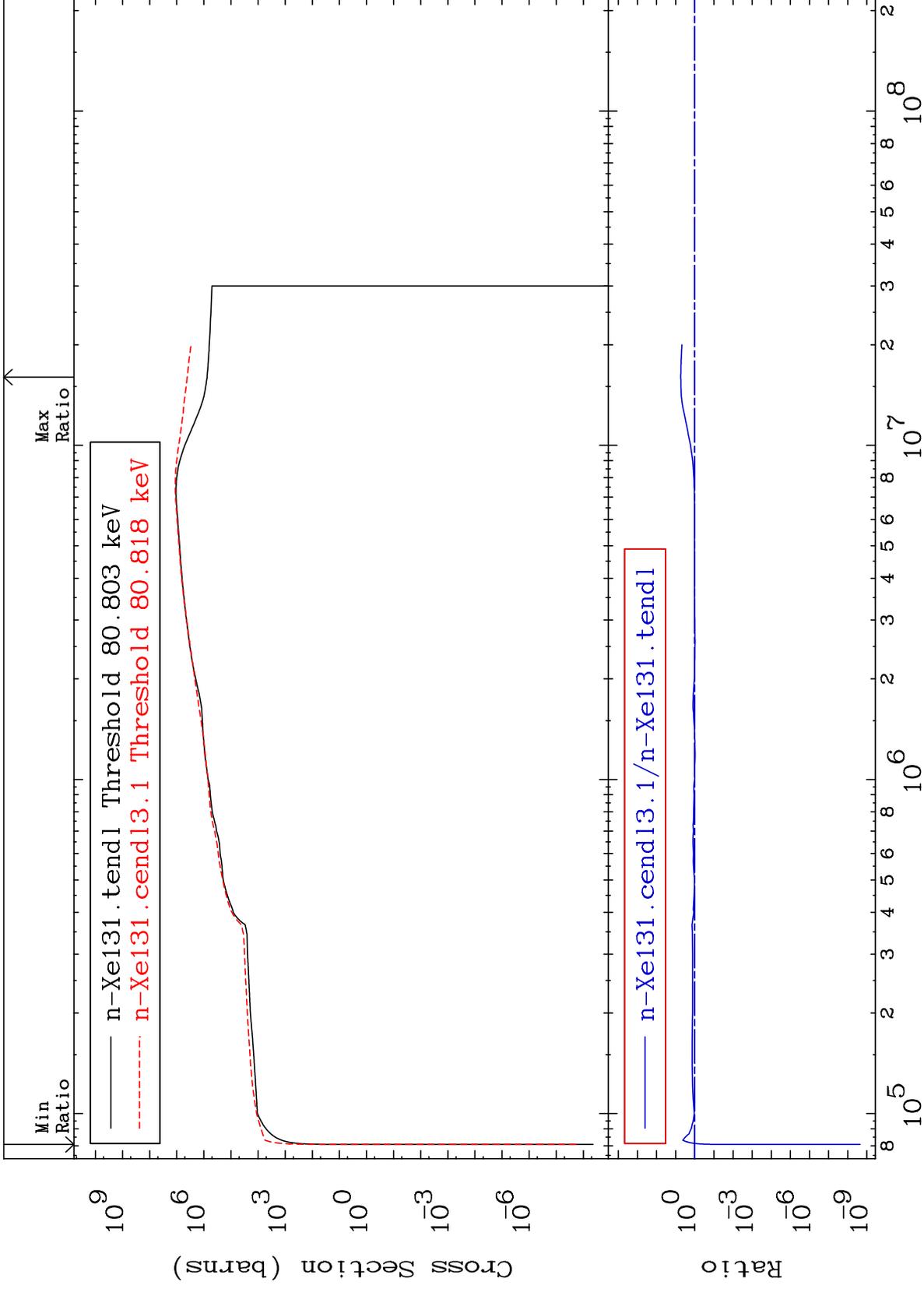
54-Xe-131
-99.99 To 3904. %



40

Incident Energy (eV)

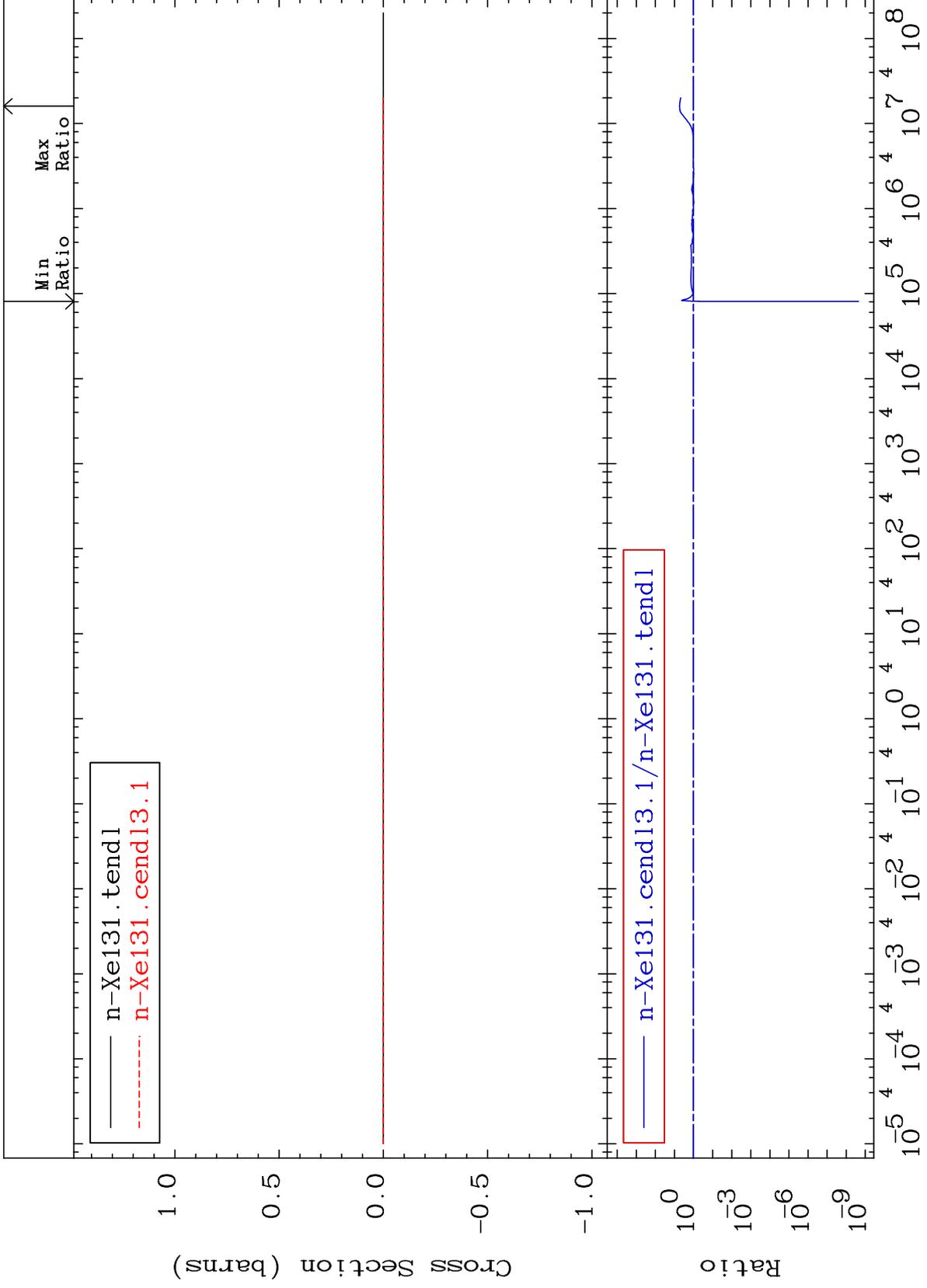
54-Xe-131

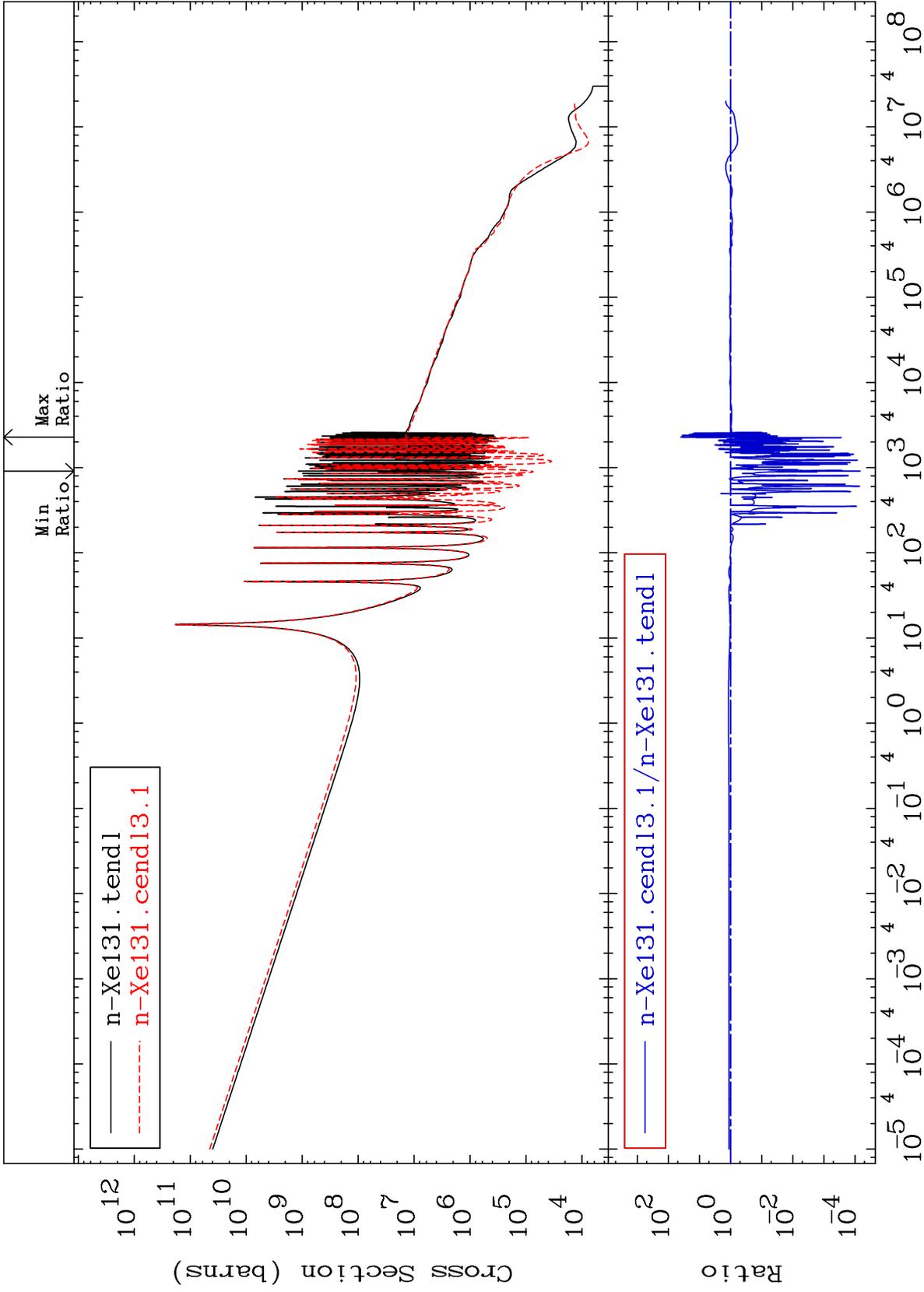


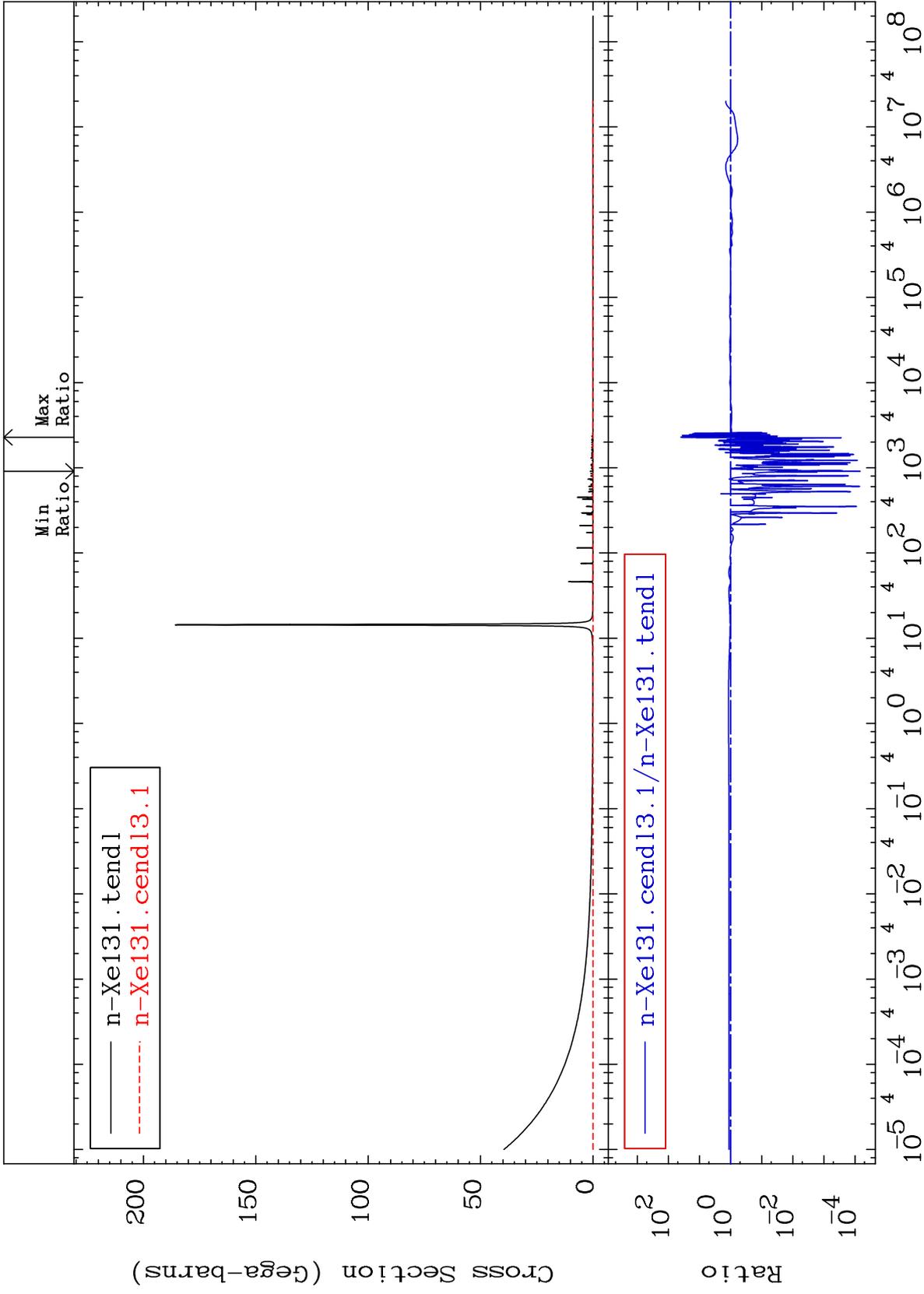
MAT 5446

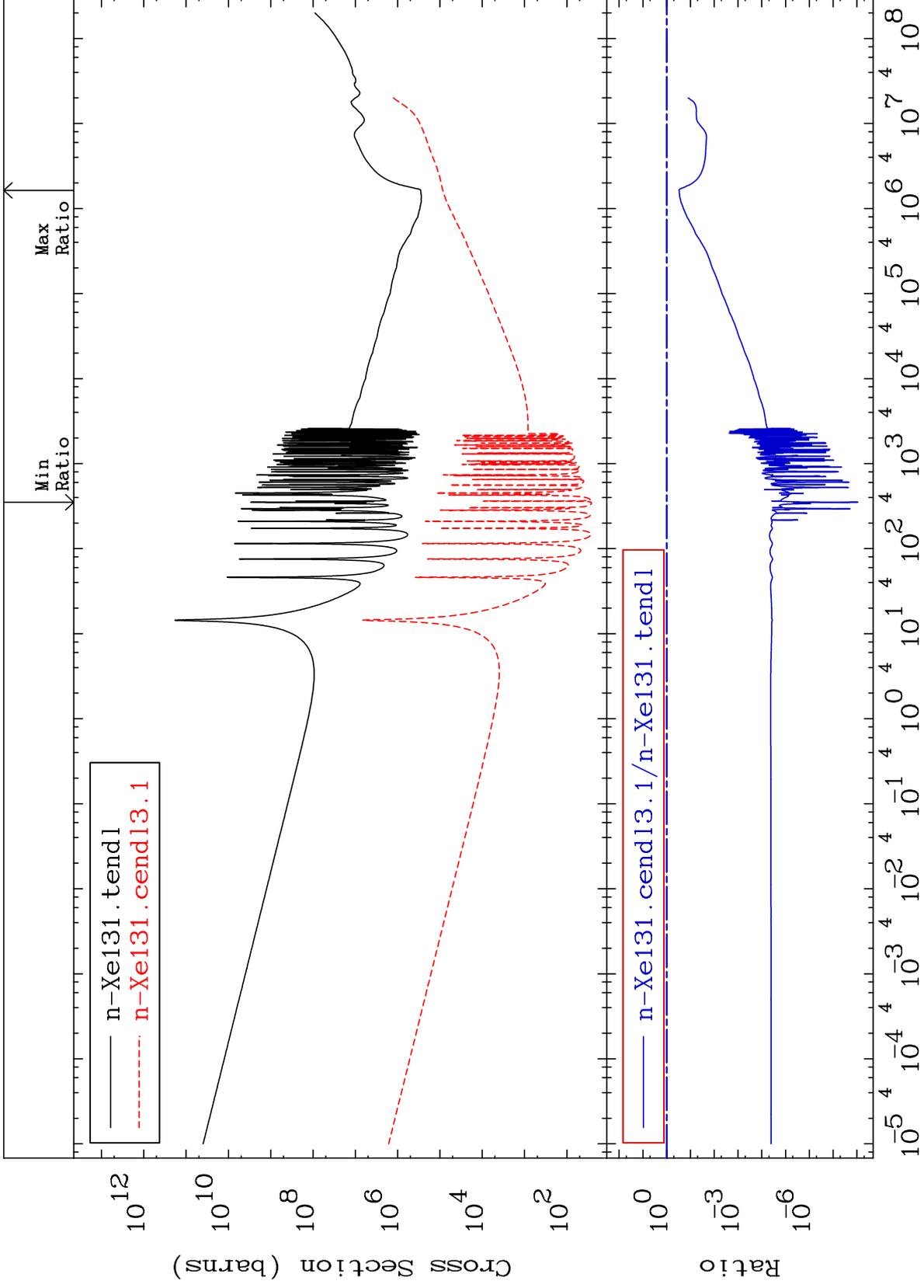
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

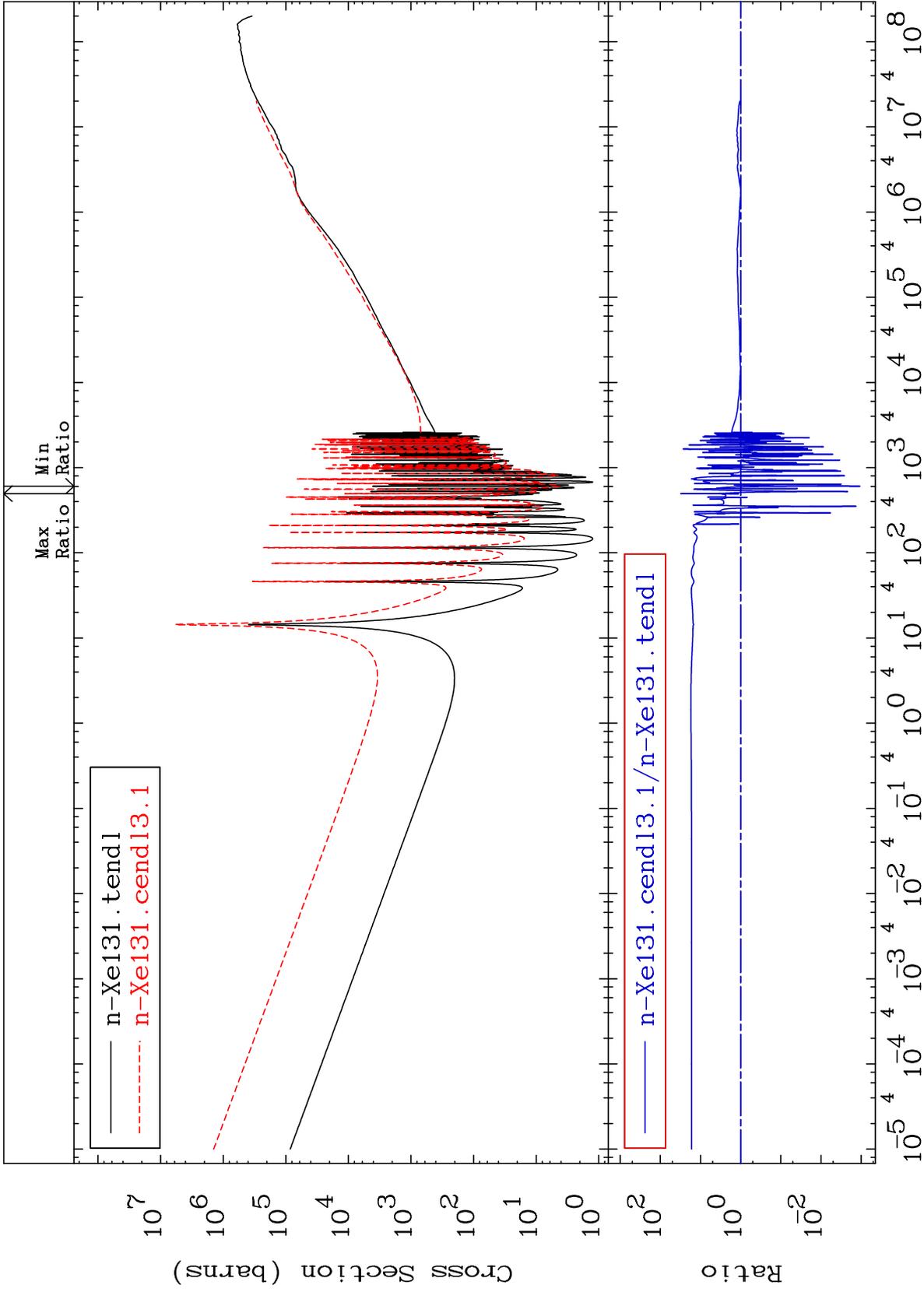
54-Xe-131
-100.0 To 442.5 %







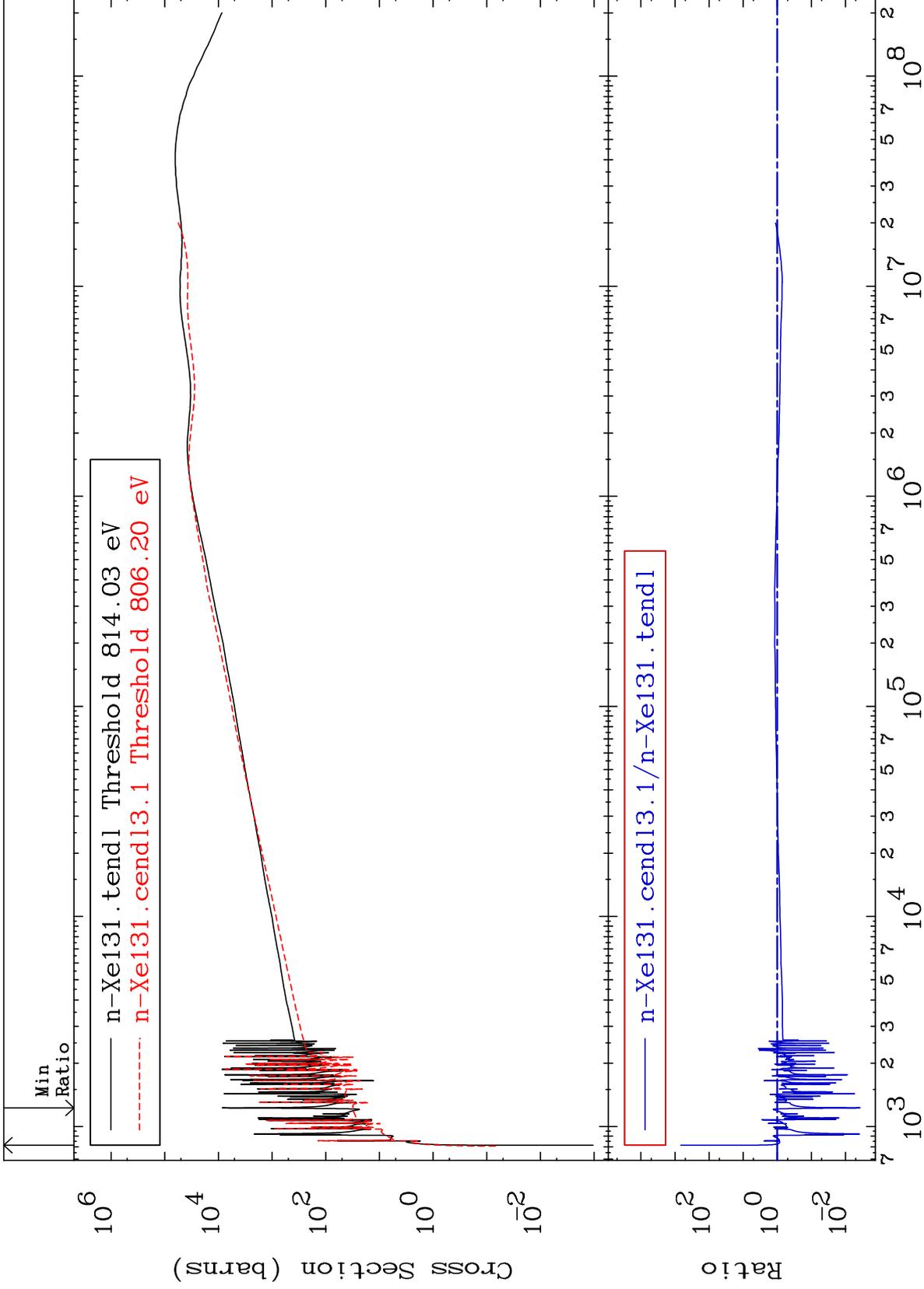




MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-99.63 To 9999. %



47

Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa inelastic (mt51-91)
Cross Section

54-Xe-131
-100.0 To 596.0 %

