

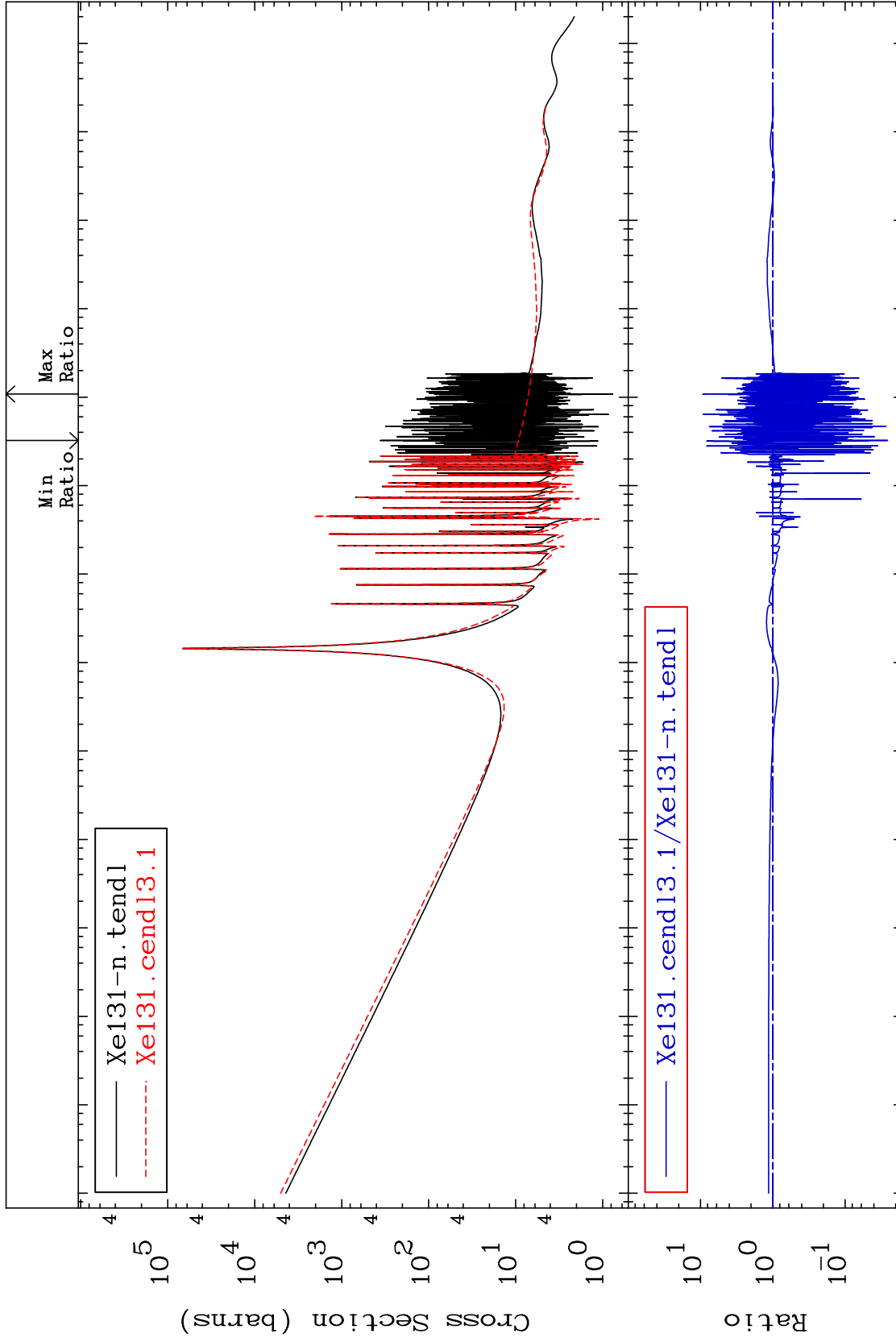
MAT 5446

Total

54-Xe-131

Cross Section

-97.40 To 826.7 %



Xe131-n.tendl
Xe131.cendl3.1

Xe131.cendl3.1/Xe131-n.tendl

Incident Energy (eV)

54-Xe-131

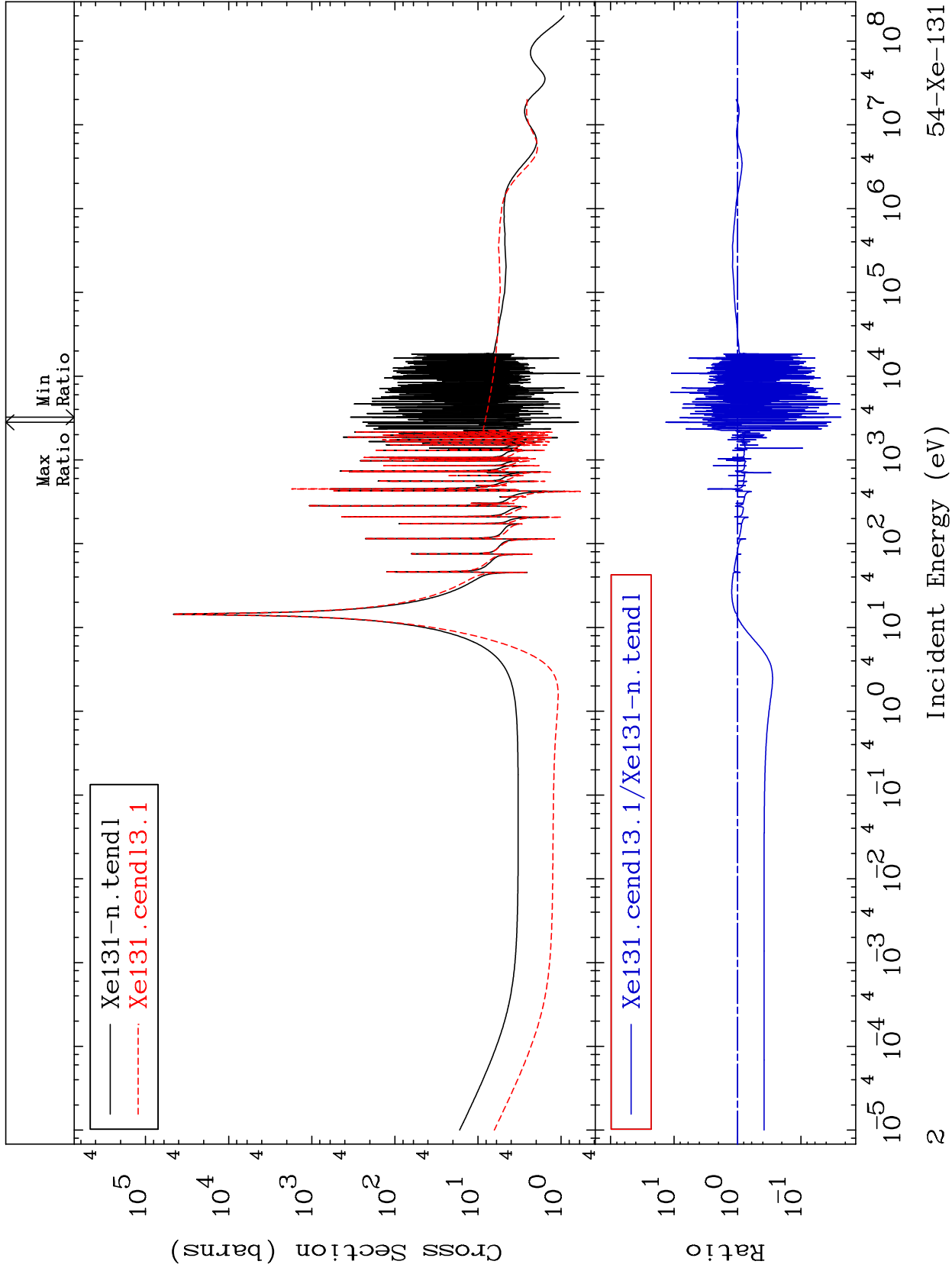
MAT 5446

Elastic

54-Xe-131

Cross Section

-97.65 To 1243. %



54-Xe-131

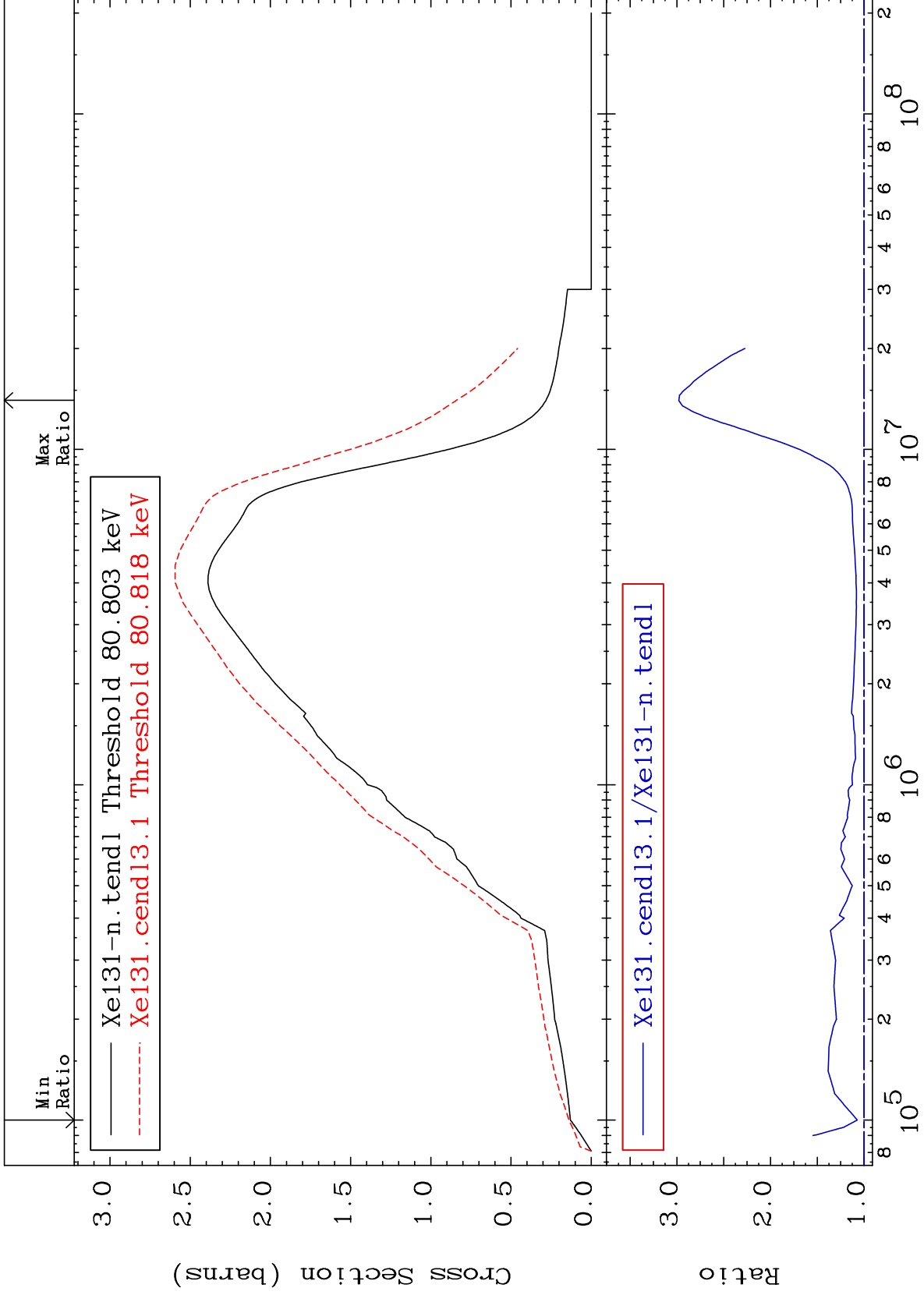
Incident Energy (eV)

2

MAT 5446

Inelastic
Cross Section

54-Xe-131
7.247 To 198.1 %



3

Incident Energy (eV)

54-Xe-131

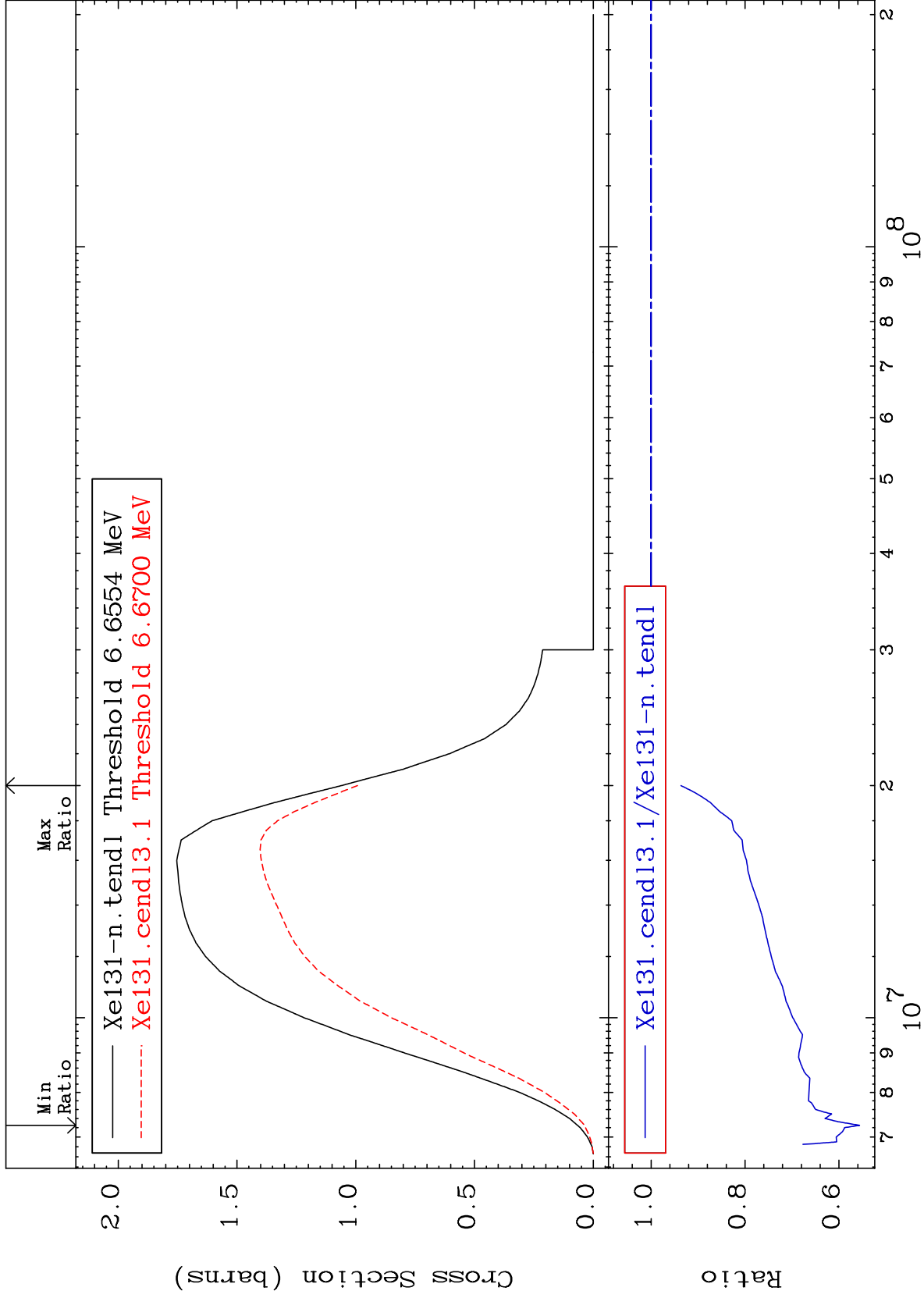
MAT 5446

(n,2n)

54-Xe-131

Cross Section

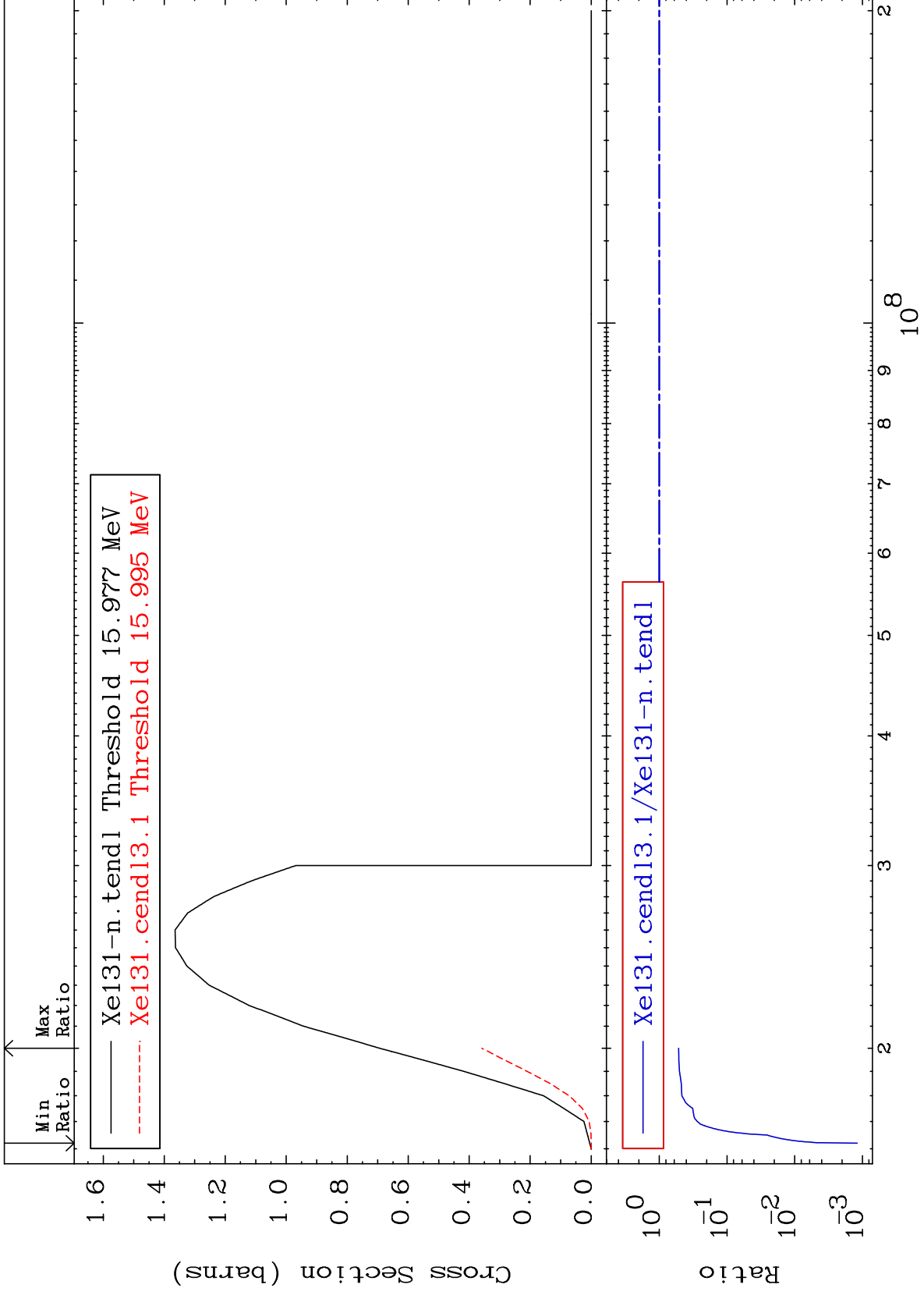
-44.38 To -6.320%



4

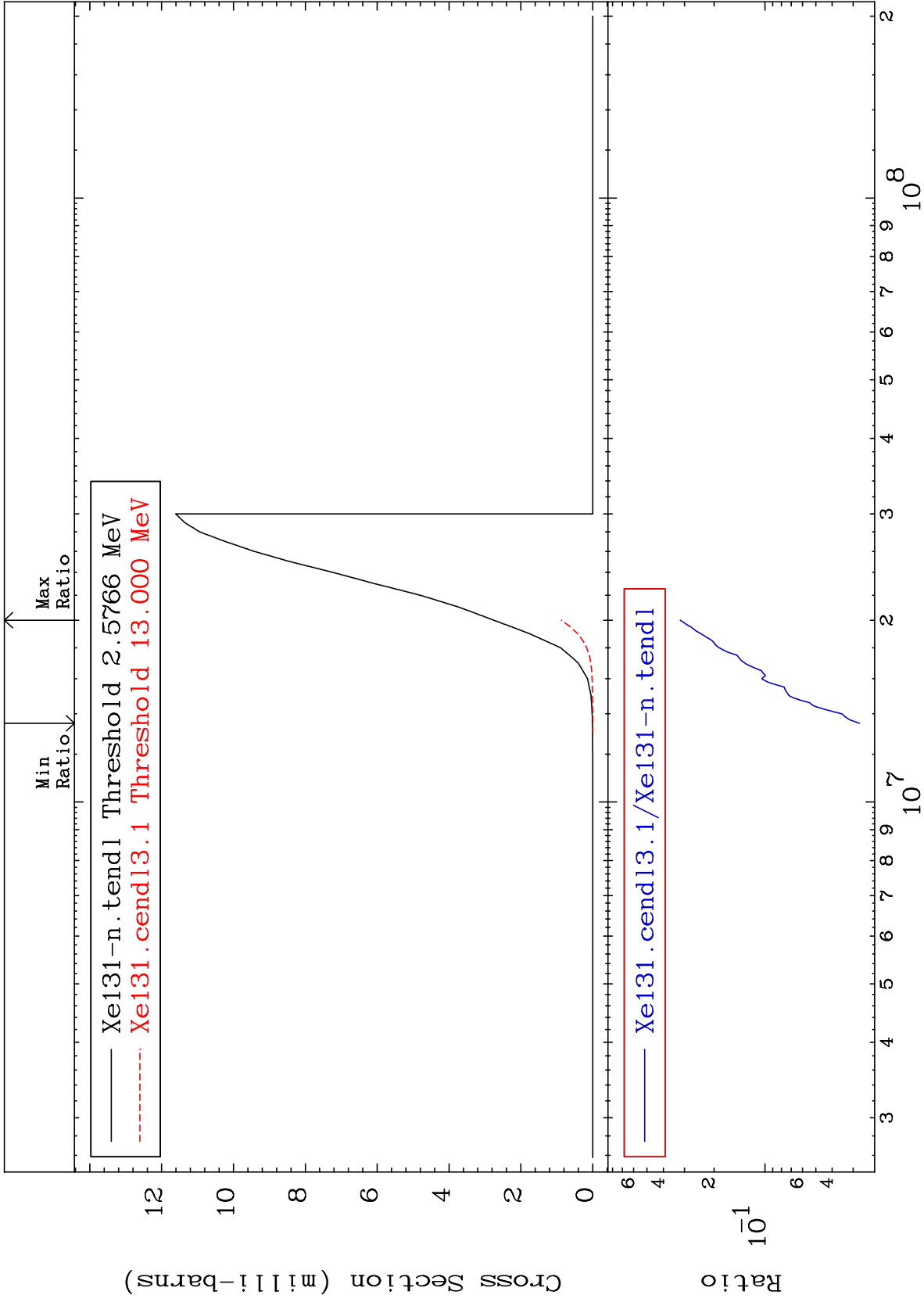
Incident Energy (eV)

54-Xe-131



MAT 5446

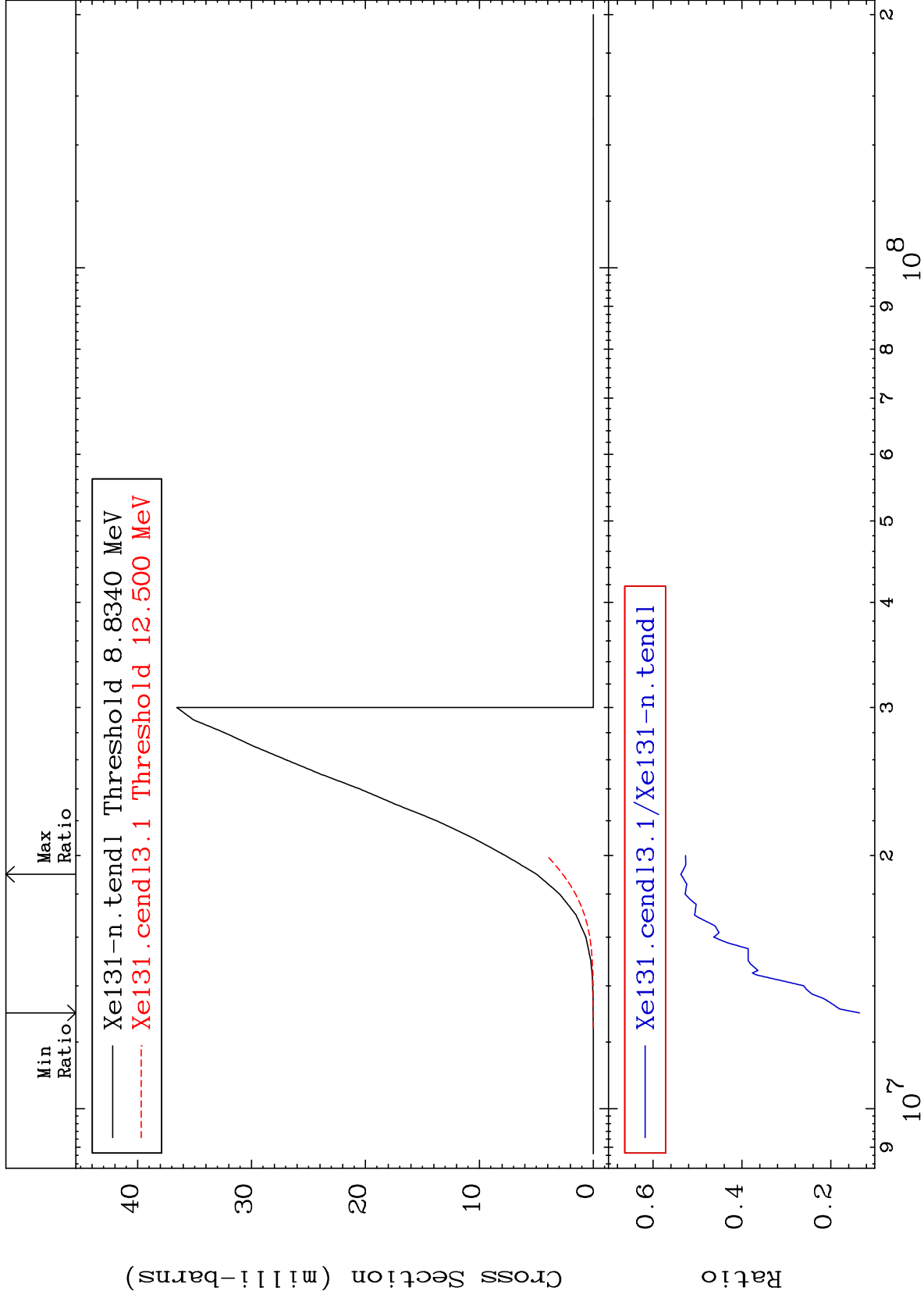
(n, n') α
Cross Section
54-Xe-131
-97.24 To -68.28%



MAT 5446

(n,n') p
Cross Section

54-Xe-131
-86.46 To -46.23%



7

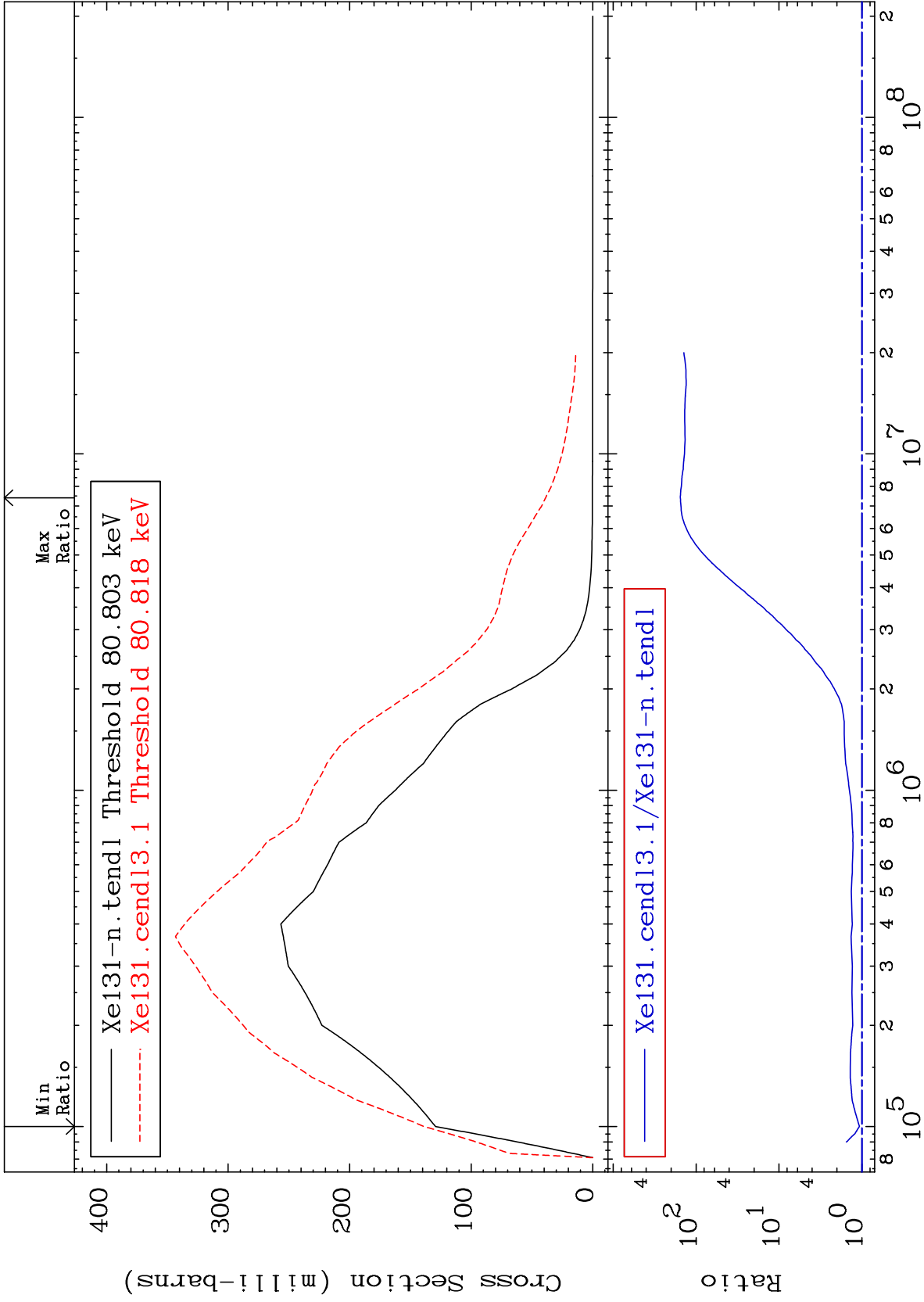
Incident Energy (eV)

54-Xe-131

MAT 5446

80.18 keV (n,n') Level
Cross Section

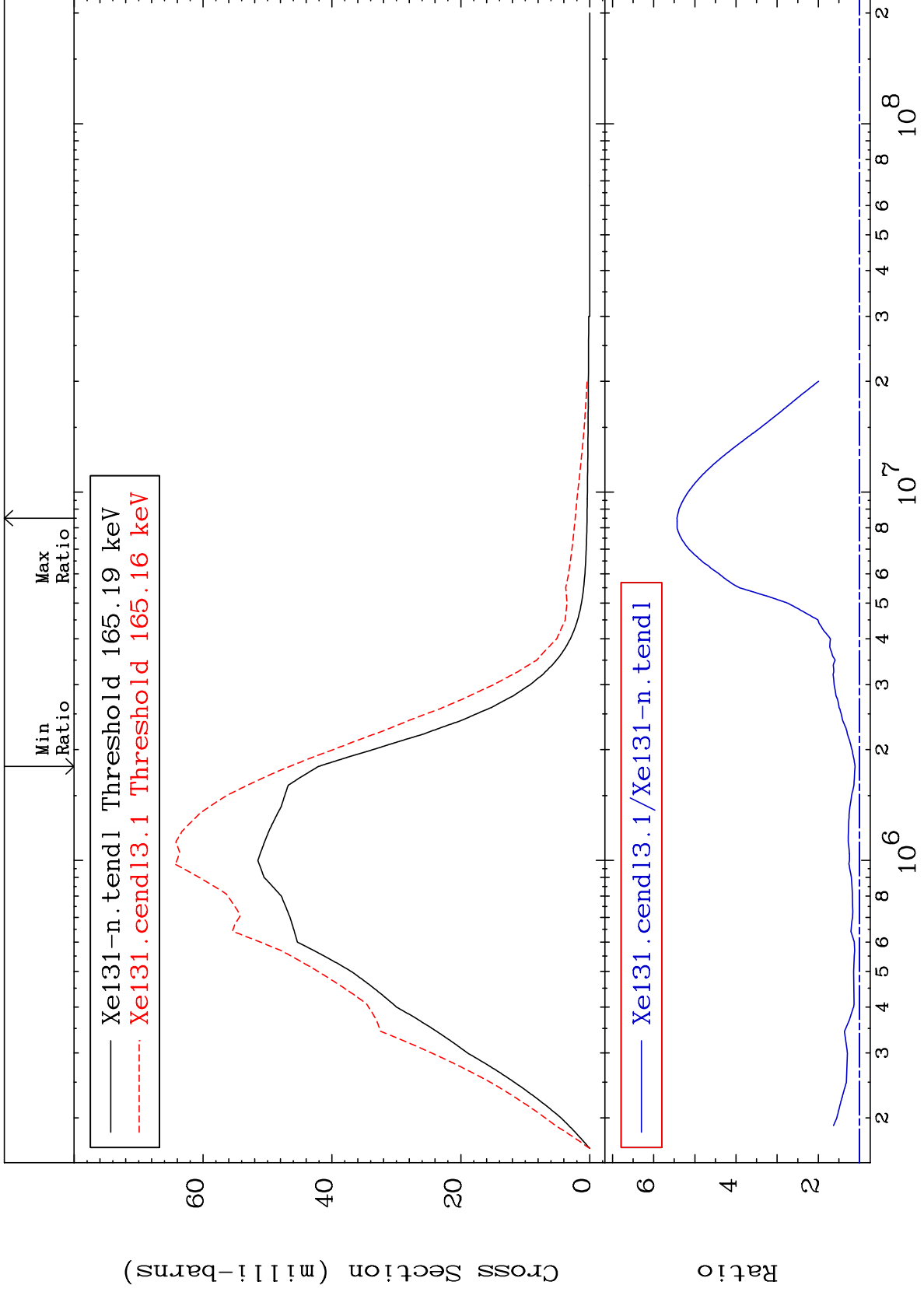
54-Xe-131
7.247 To 9999. %



MAT 5446

163.9 keV (n,n') Level
Cross Section

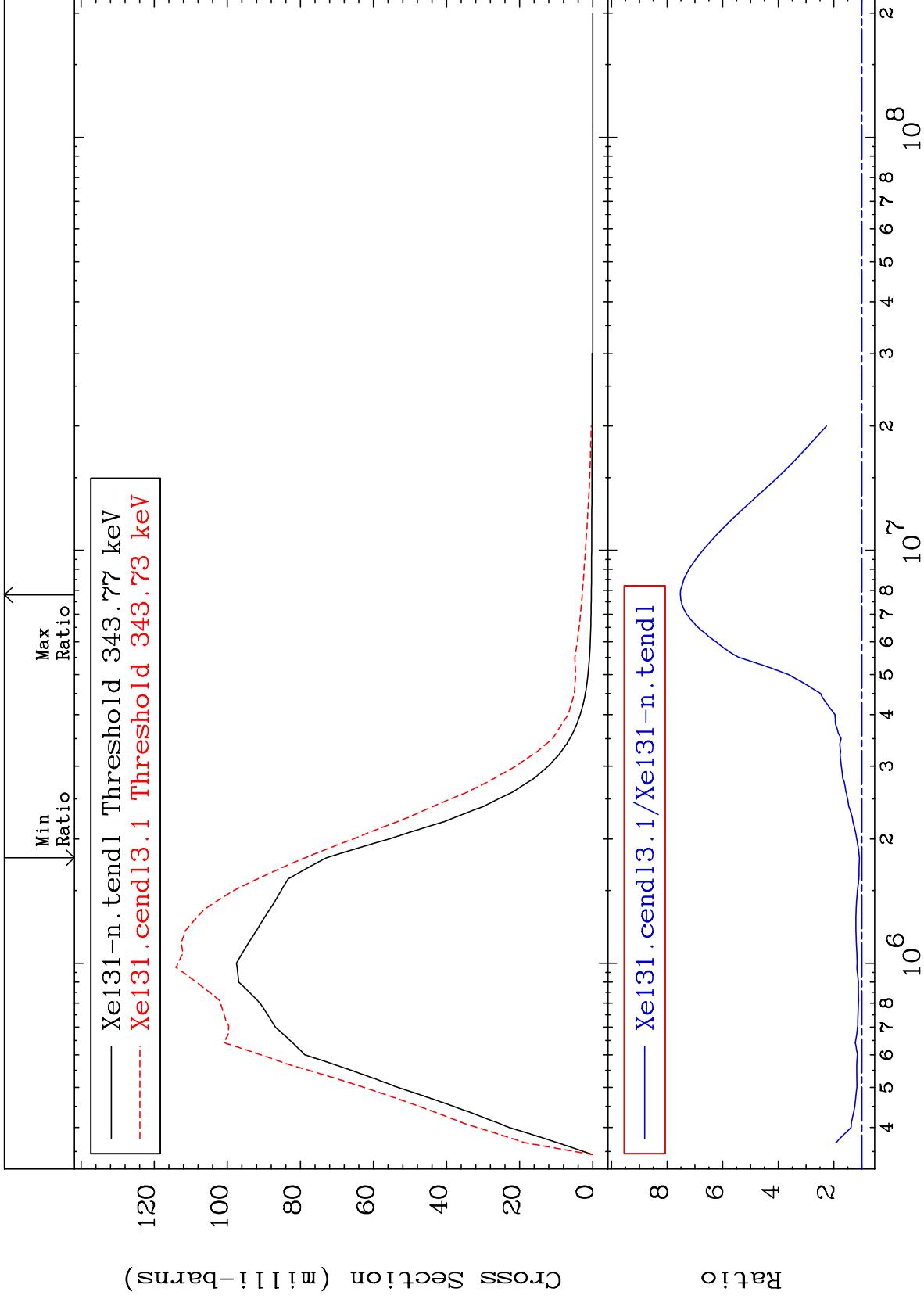
54-Xe-131
10.67 To 443.5 %



MAT 5446

341.1 keV (n,n') Level
Cross Section

54-Xe-131
8.018 To 652.4 %



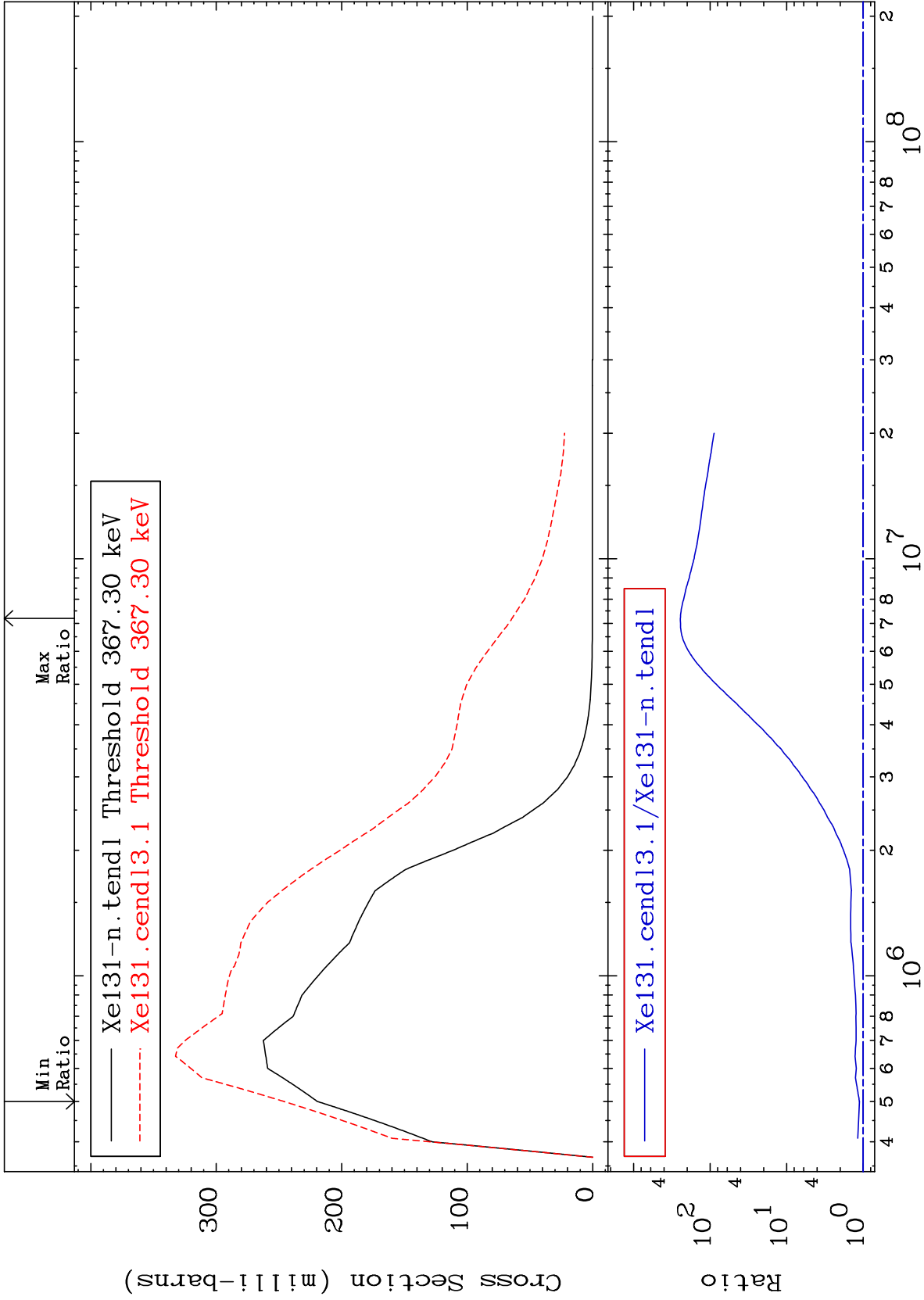
10

54-Xe-131

MAT 5446

364.5 keV (n,n') Level
Cross Section

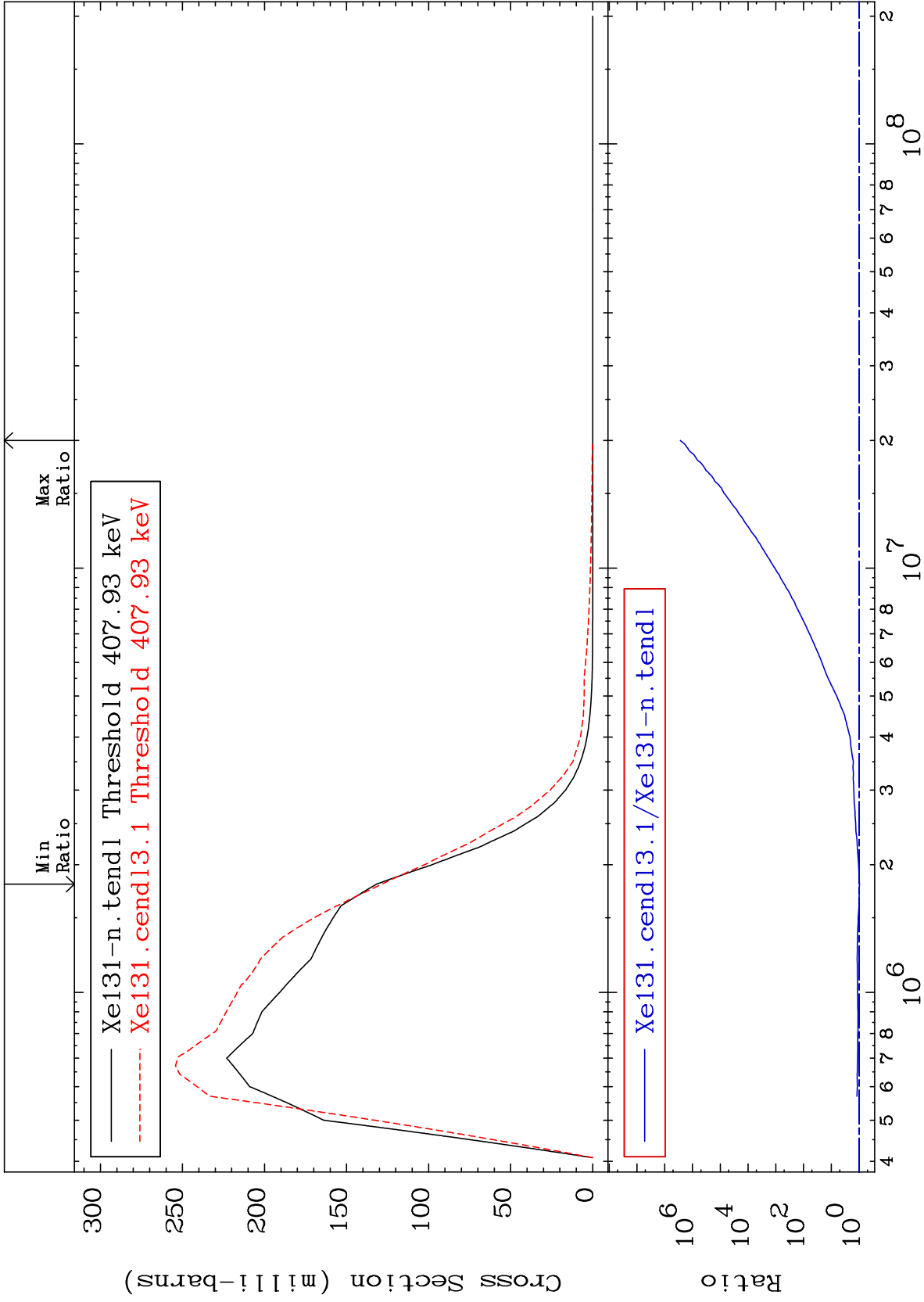
54-Xe-131
12.17 To 9999. %



MAT 5446

404.8 keV (n,n') Level
Cross Section

54-Xe-131
-2.383 To 9999. %



12

Incident Energy (eV)

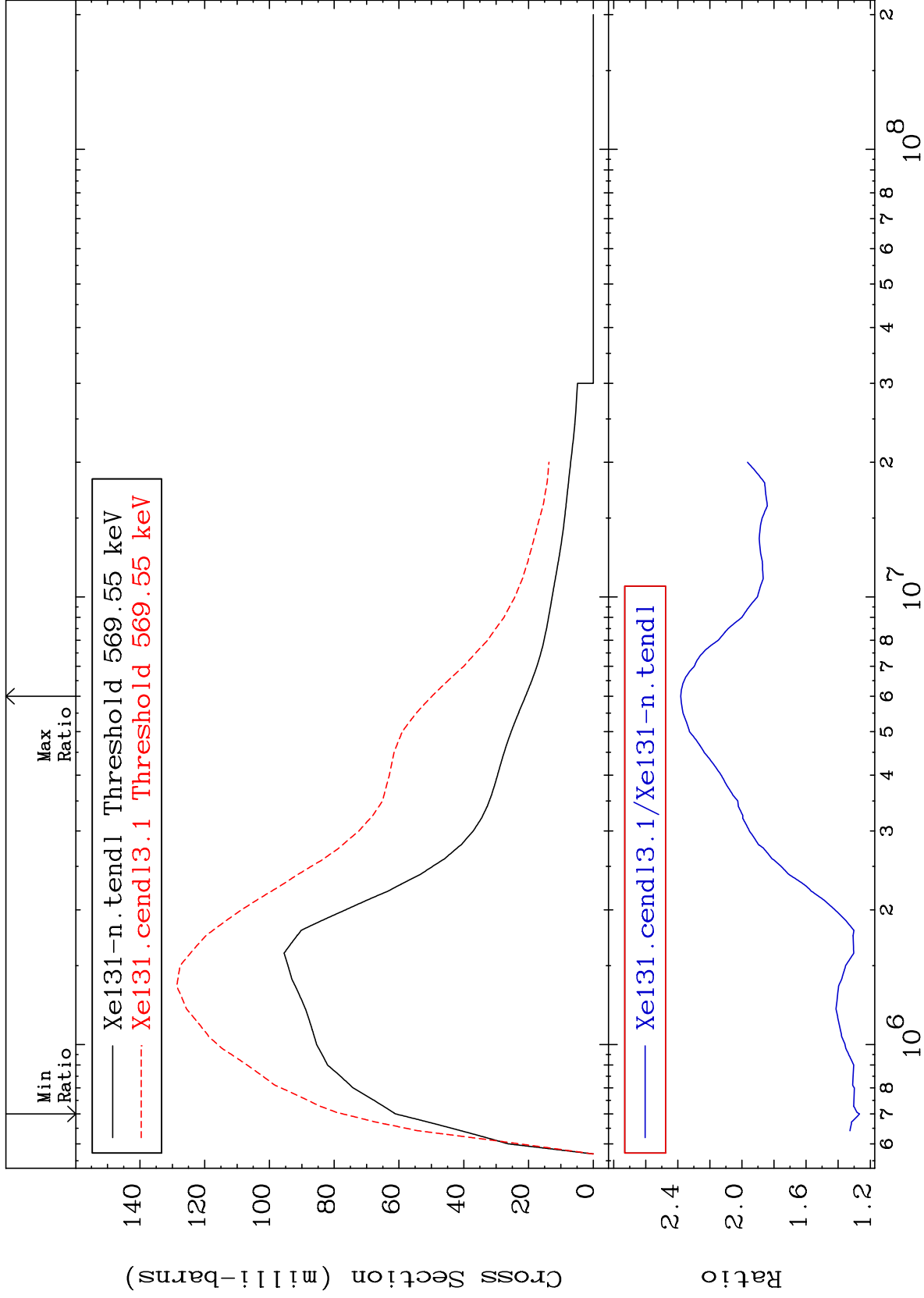
54-Xe-131

MAT 5446

565.2 keV (n,n') Level

54-Xe-131

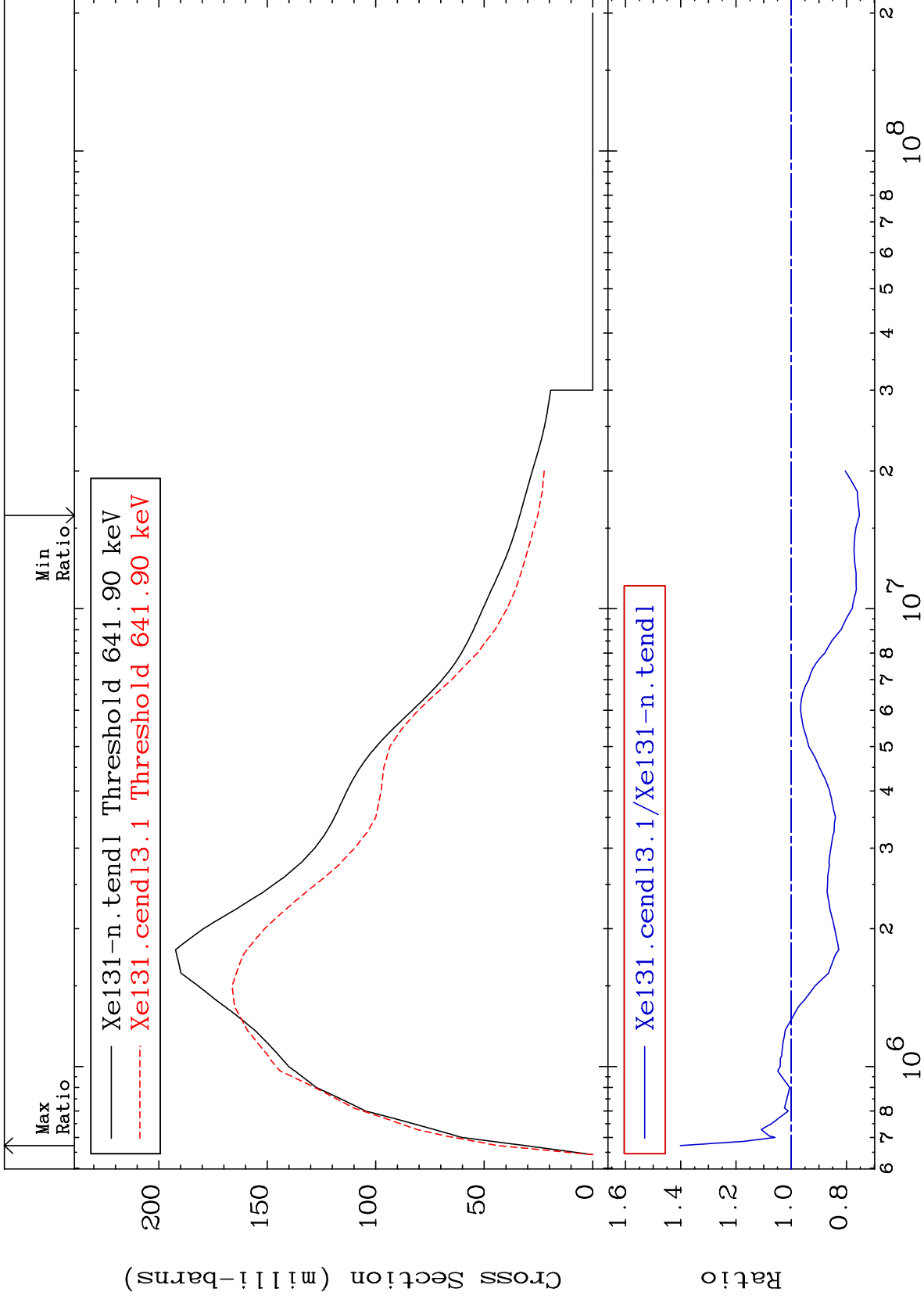
26.68 To 138.1 %
Cross Section



MAT 5446

637.0 keV (n,n') Level
Cross Section

54-Xe-131
-24.67 To 40.16 %



14

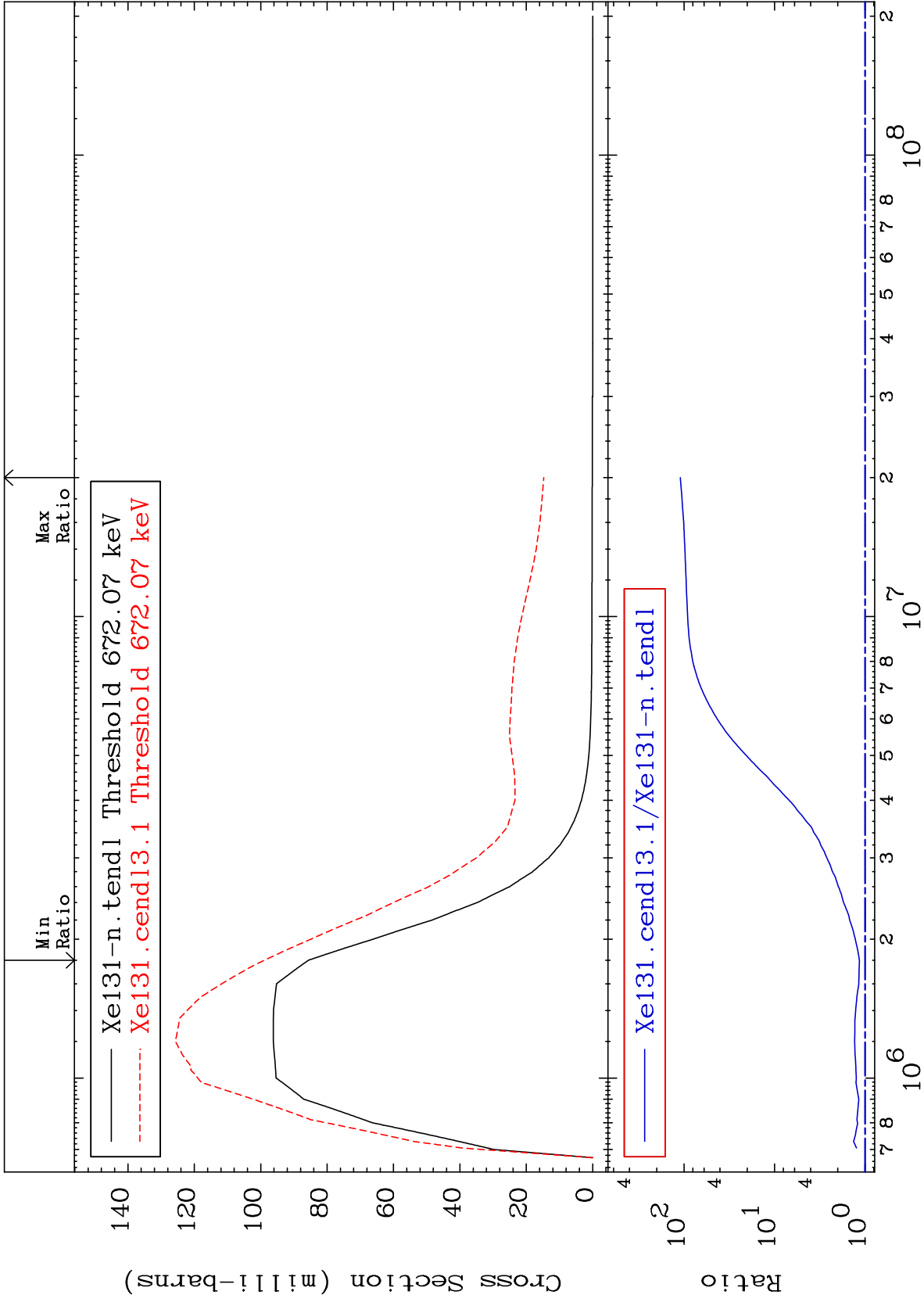
Incident Energy (eV)

54-Xe-131

MAT 5446

666.9 keV (n,n') Level
Cross Section

54-Xe-131
15.50 To 9999. %



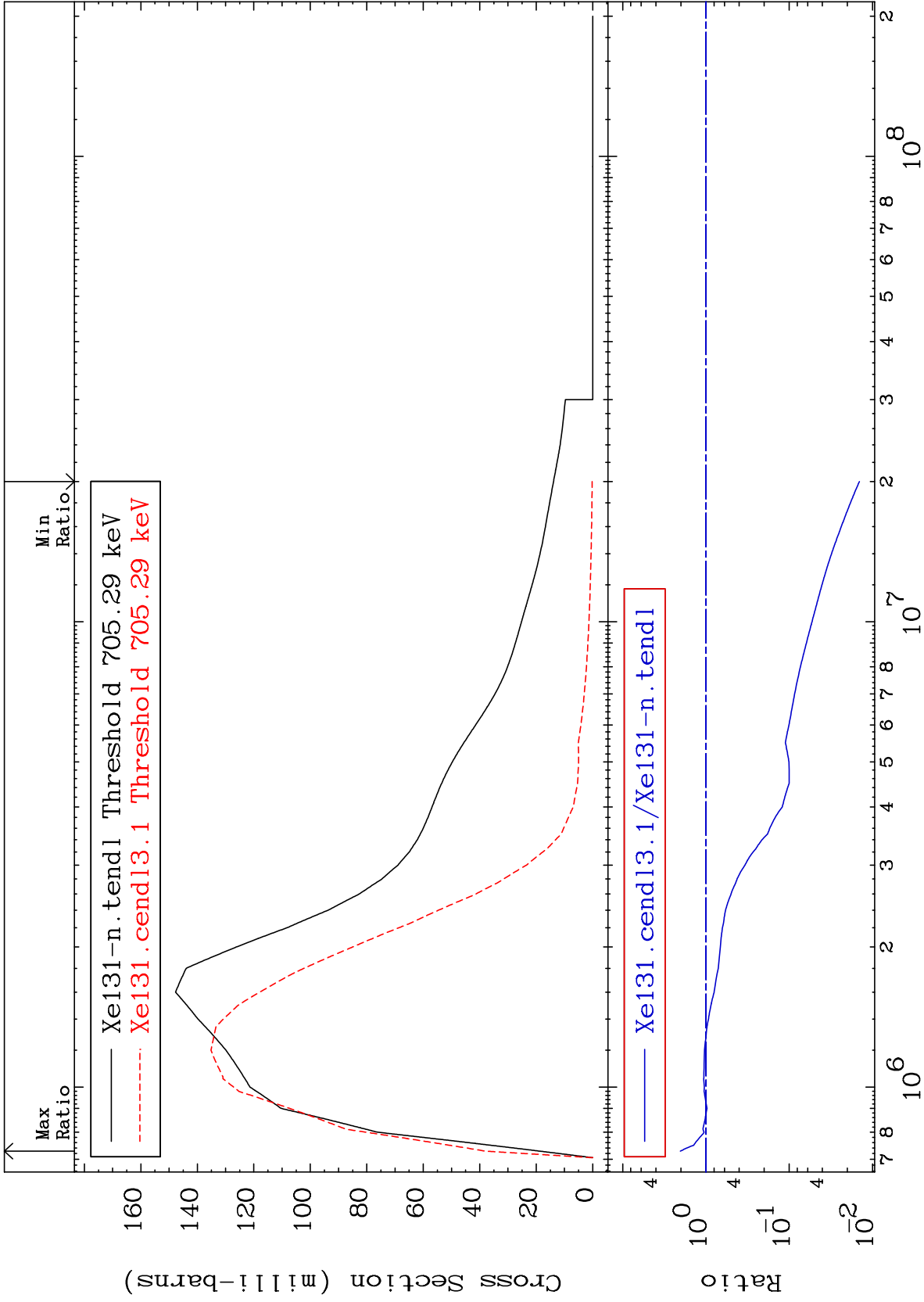
15

54-Xe-131

MAT 5446

699.9 keV (n,n') Level
Cross Section

54-Xe-131
-98.57 To 103.0 %



16

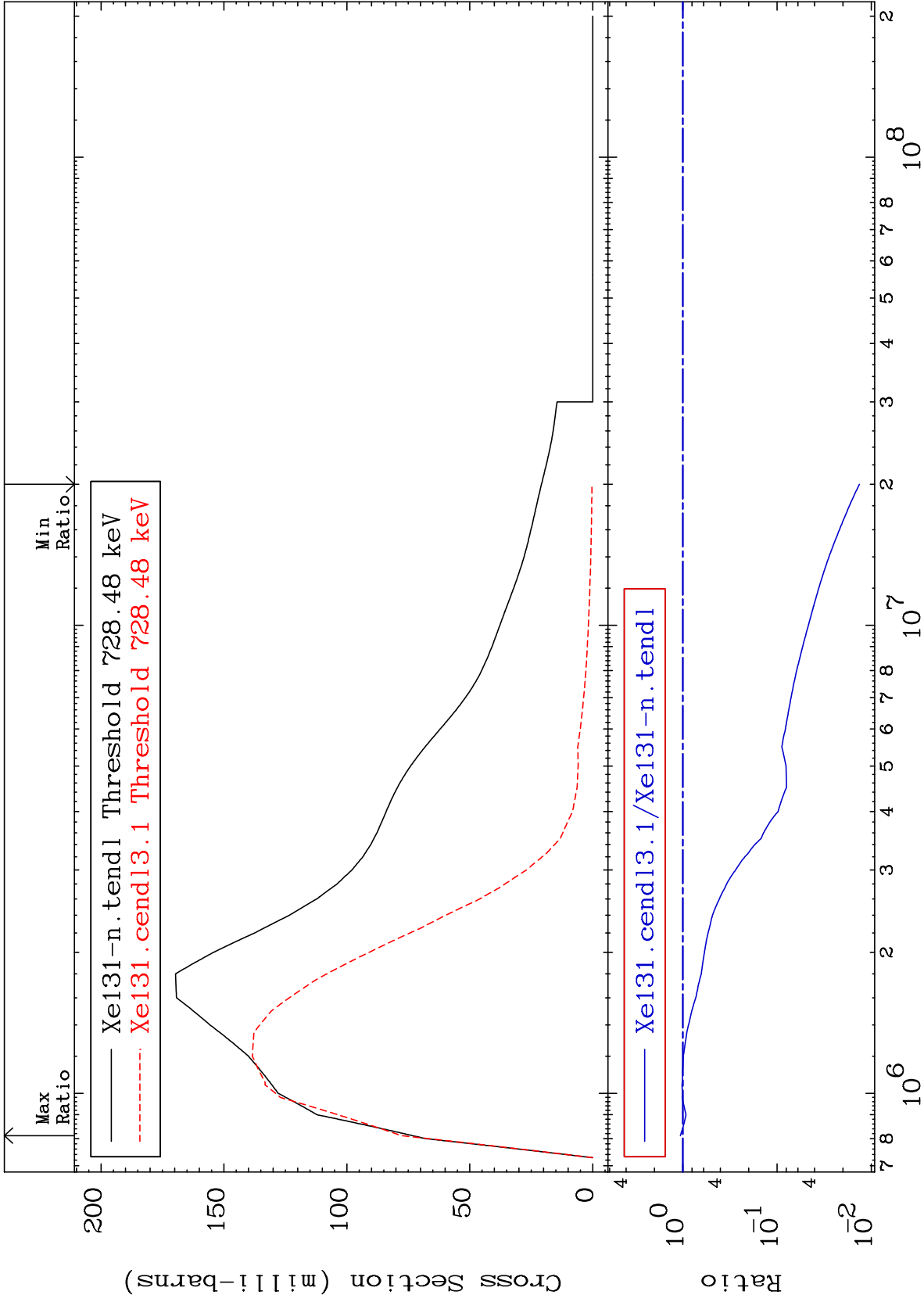
Incident Energy (eV)

54-Xe-131

MAT 5446

722.9 keV (n,n') Level
Cross Section

54-Xe-131
-98.67 To 6.230 %



17

Incident Energy (eV)

54-Xe-131

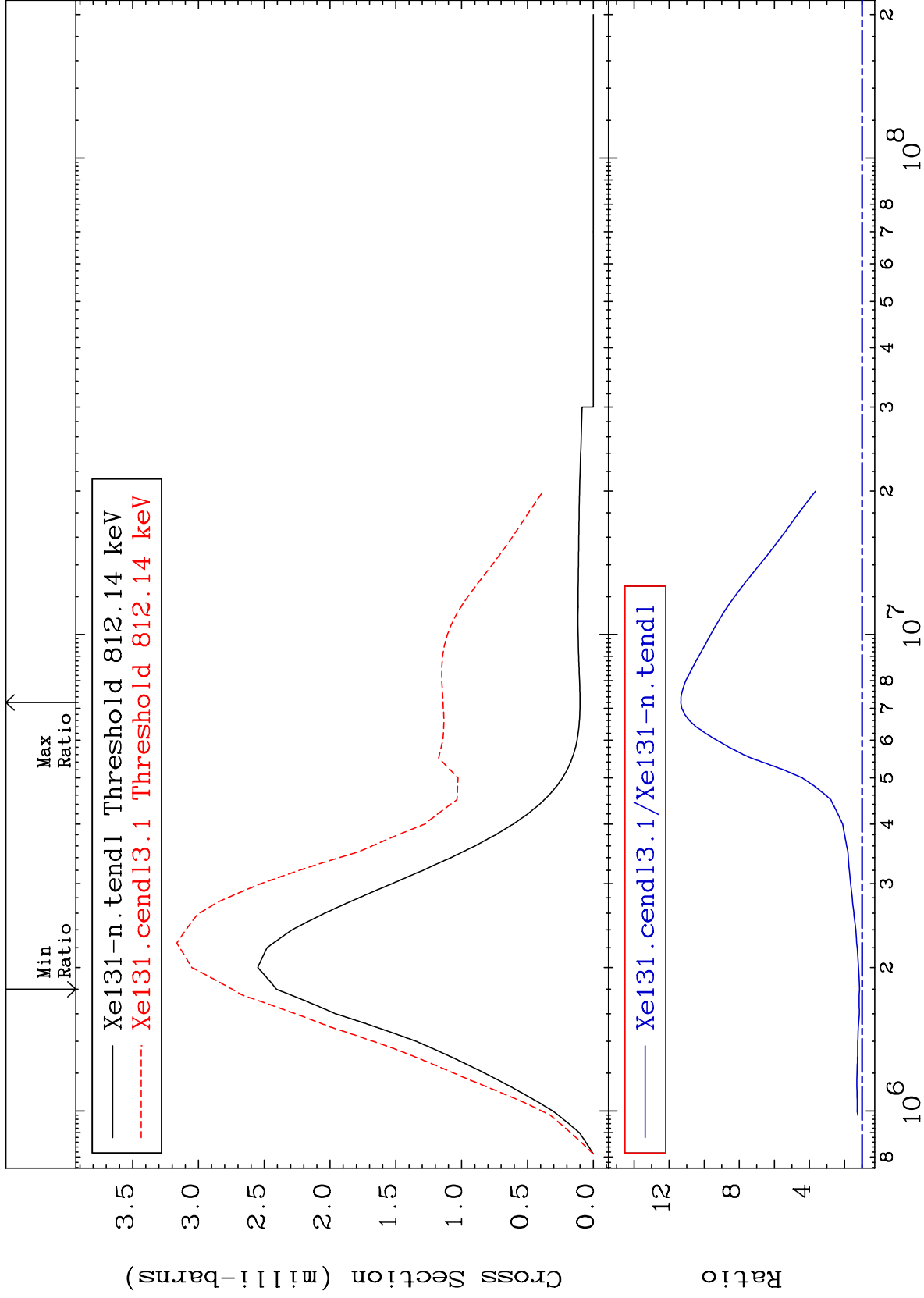
MAT 5446

805.9 keV (n,n') Level

54-Xe-131

14.03 To 1034. %

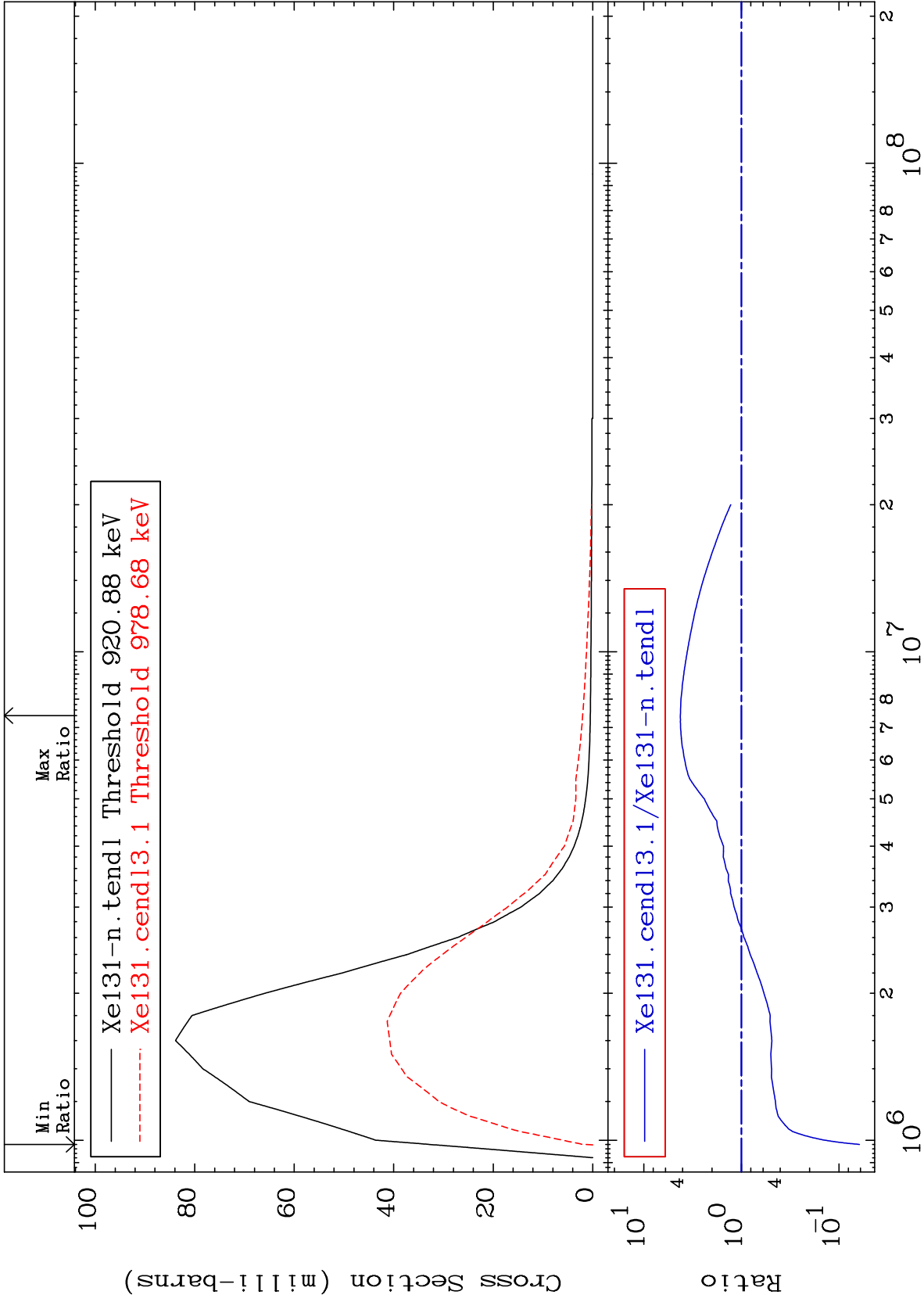
Cross Section



MAT 5446

913.8 keV (n,n') Level
Cross Section

54-Xe-131
-93.84 To 321.7 %



19

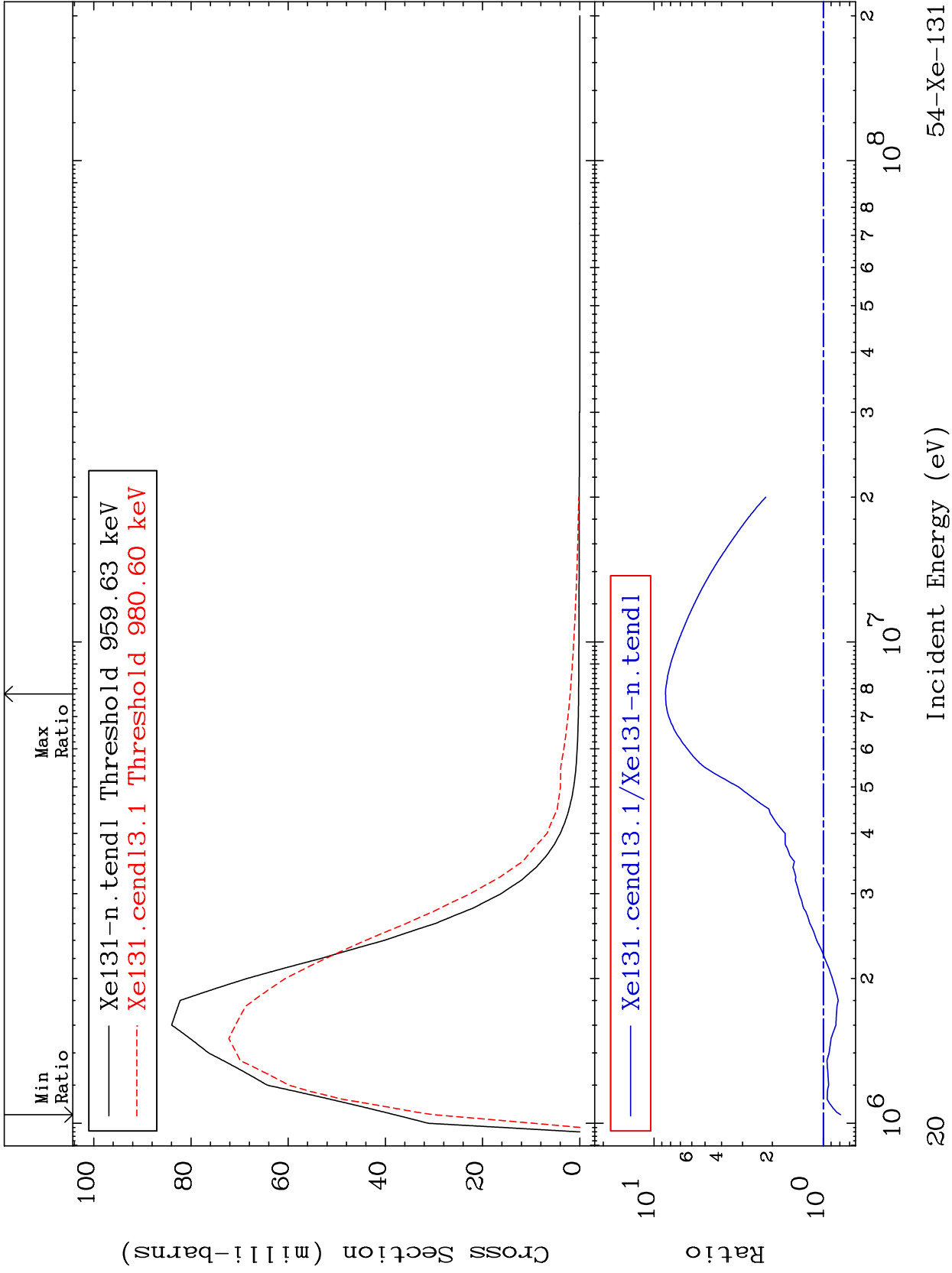
Incident Energy (eV)

54-Xe-131

MAT 5446

952.3 keV (n,n') Level
Cross Section

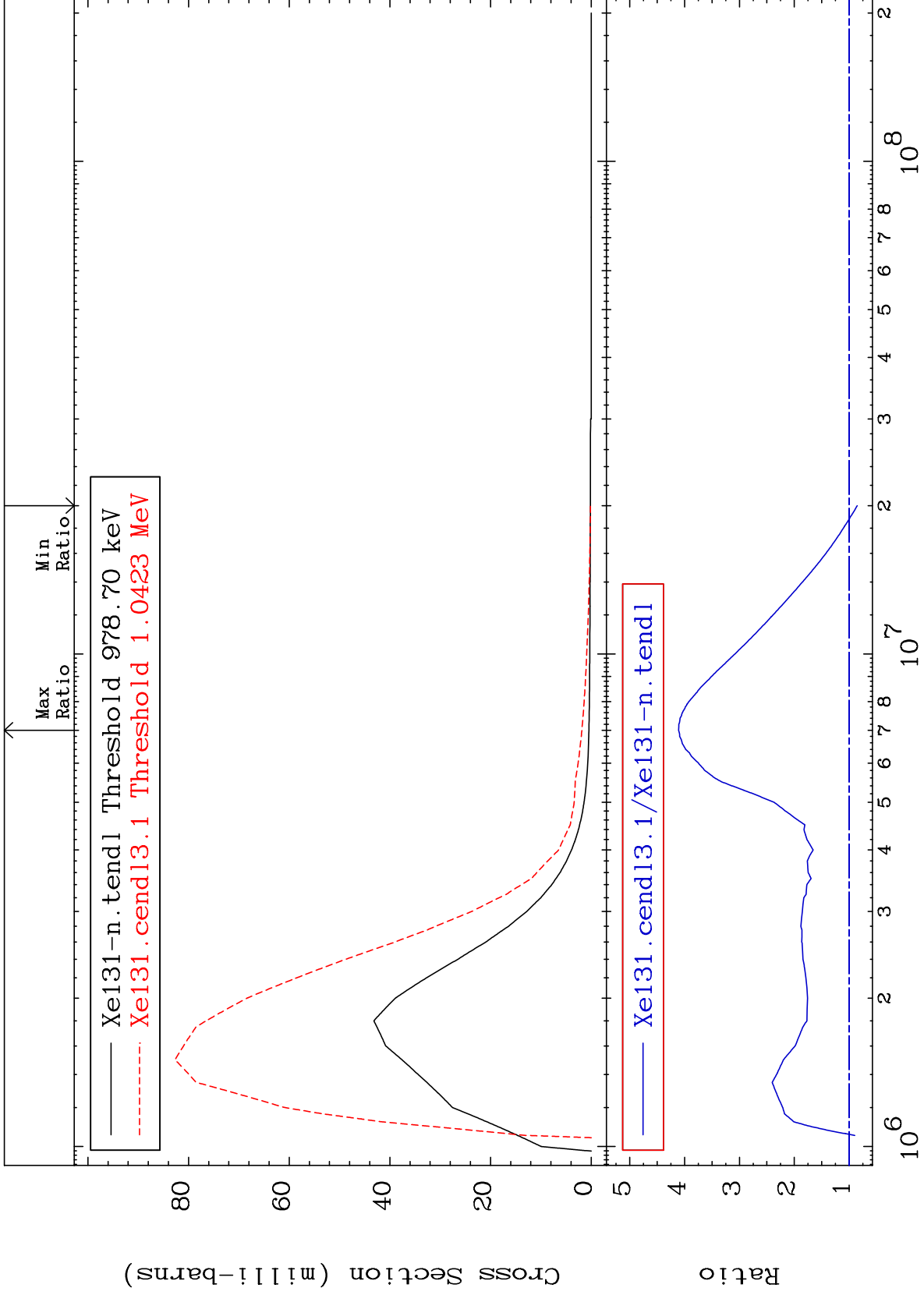
54-Xe-131
-20.97 To 756.5 %



MAT 5446

971.2 keV (n,n') Level
Cross Section

54-Xe-131
-14.76 To 310.9 %



21

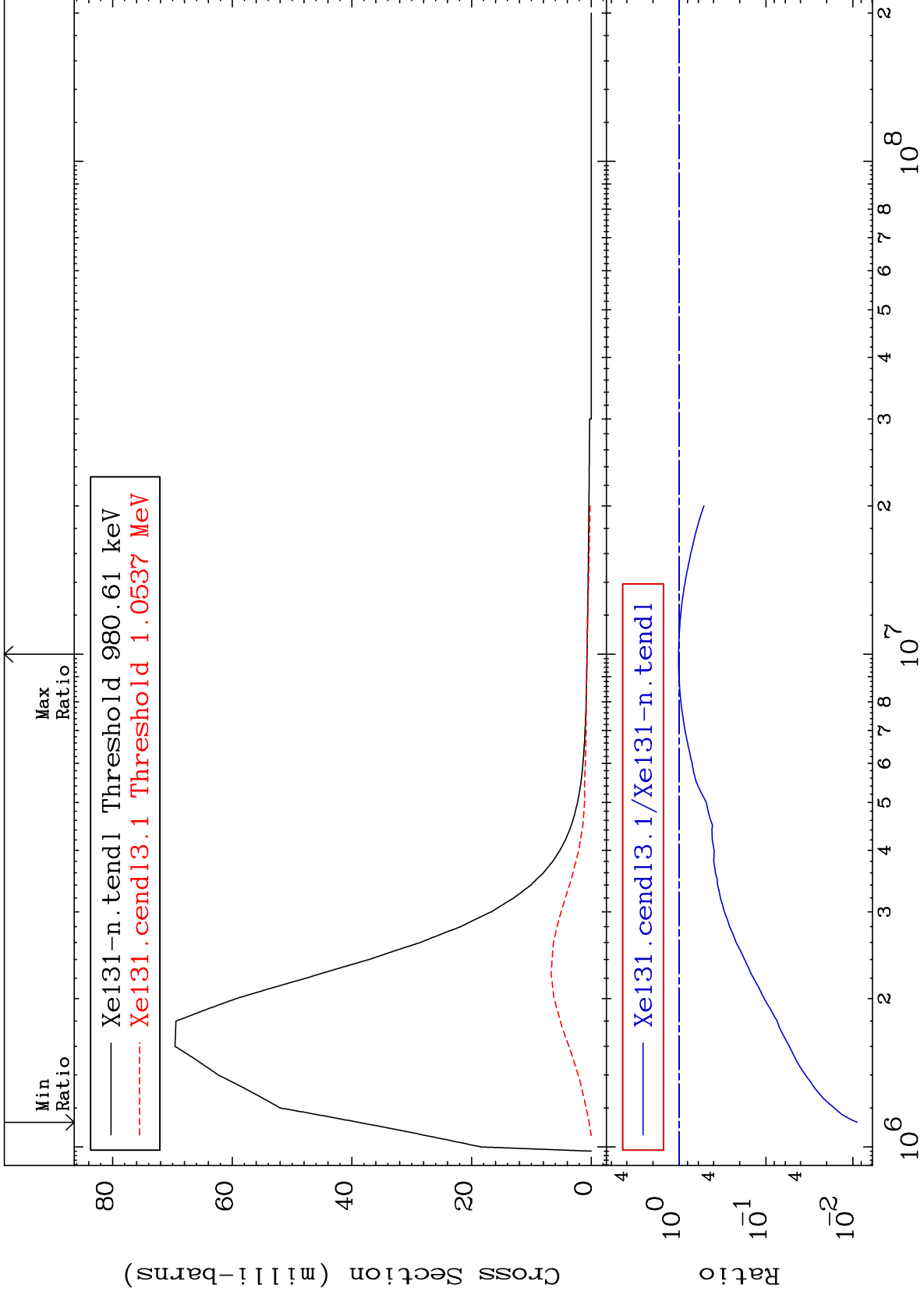
Incident Energy (eV)

54-Xe-131

MAT 5446

973.1 keV (n,n') Level
Cross Section

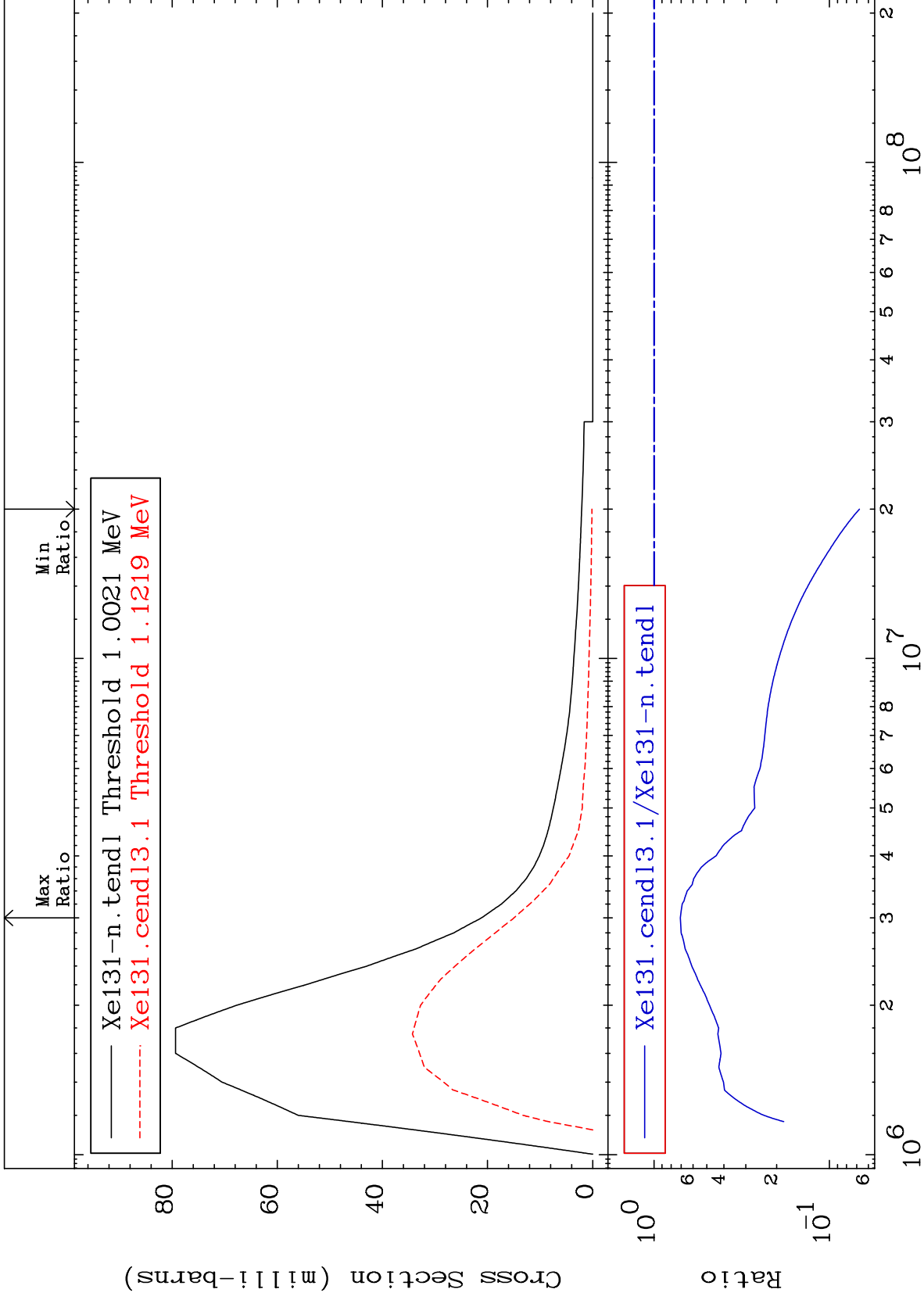
54-Xe-131
-99.11 To 1.135 %



MAT 5446

994.4 keV (n, n') Level
Cross Section

54-Xe-131
-93.25 To -29.21%



23

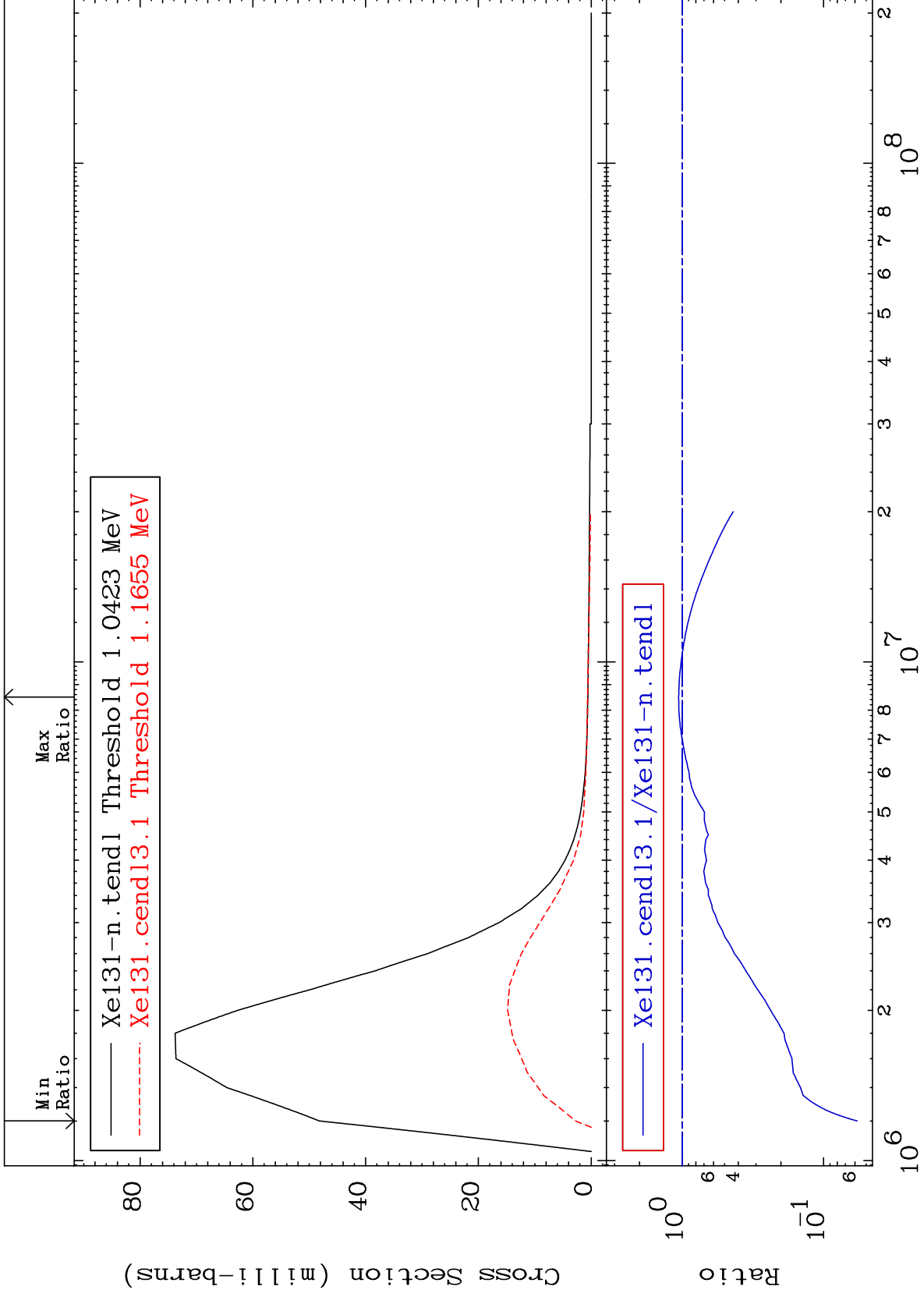
Incident Energy (eV)

54-Xe-131

MAT 5446

1.034 MeV (n,n') Level
Cross Section

54-Xe-131
-94.23 To 5.720 %



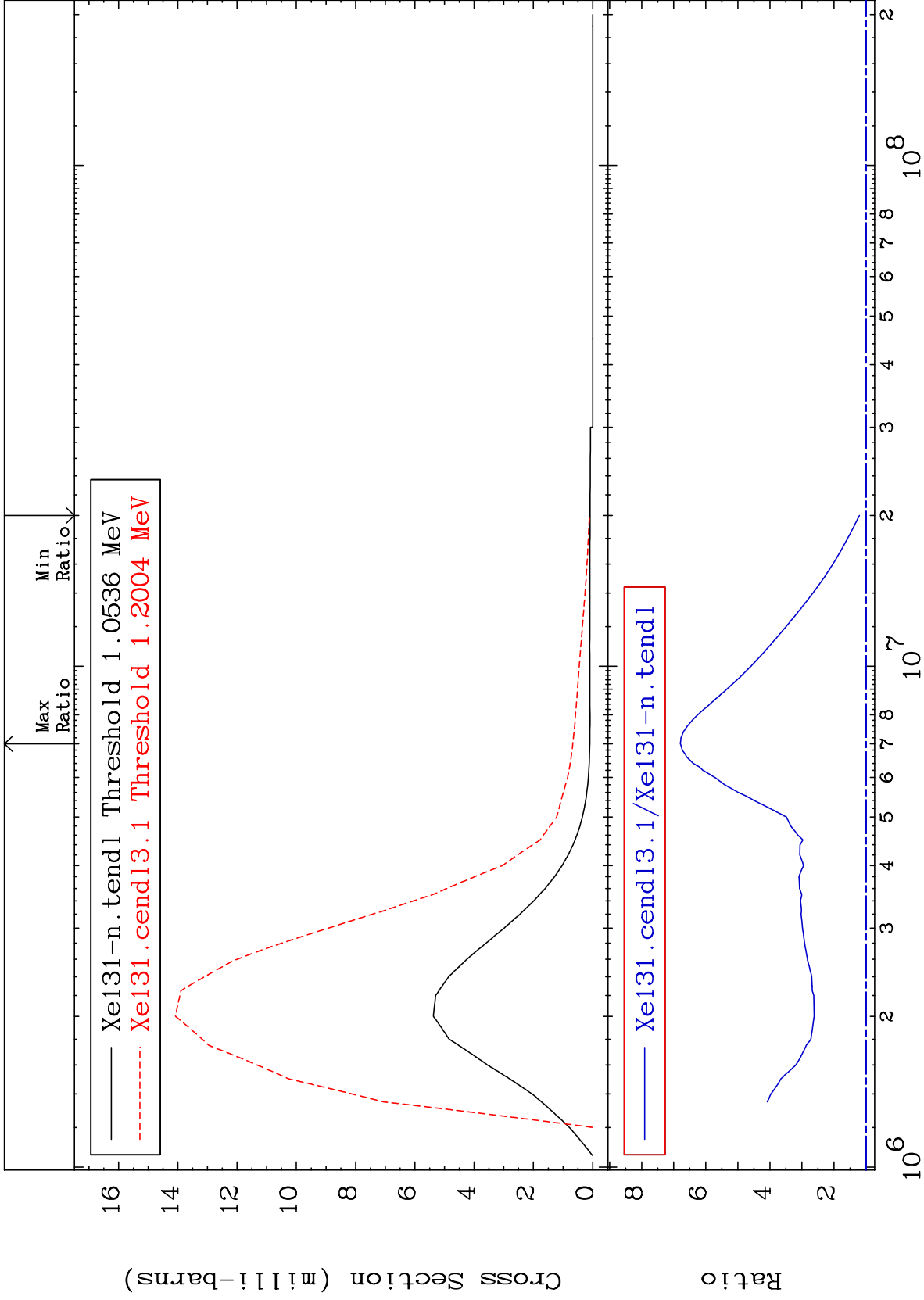
MAT 5446

1.046 MeV (n,n') Level

54-Xe-131

20.58 To 579.3 %

Cross Section



25

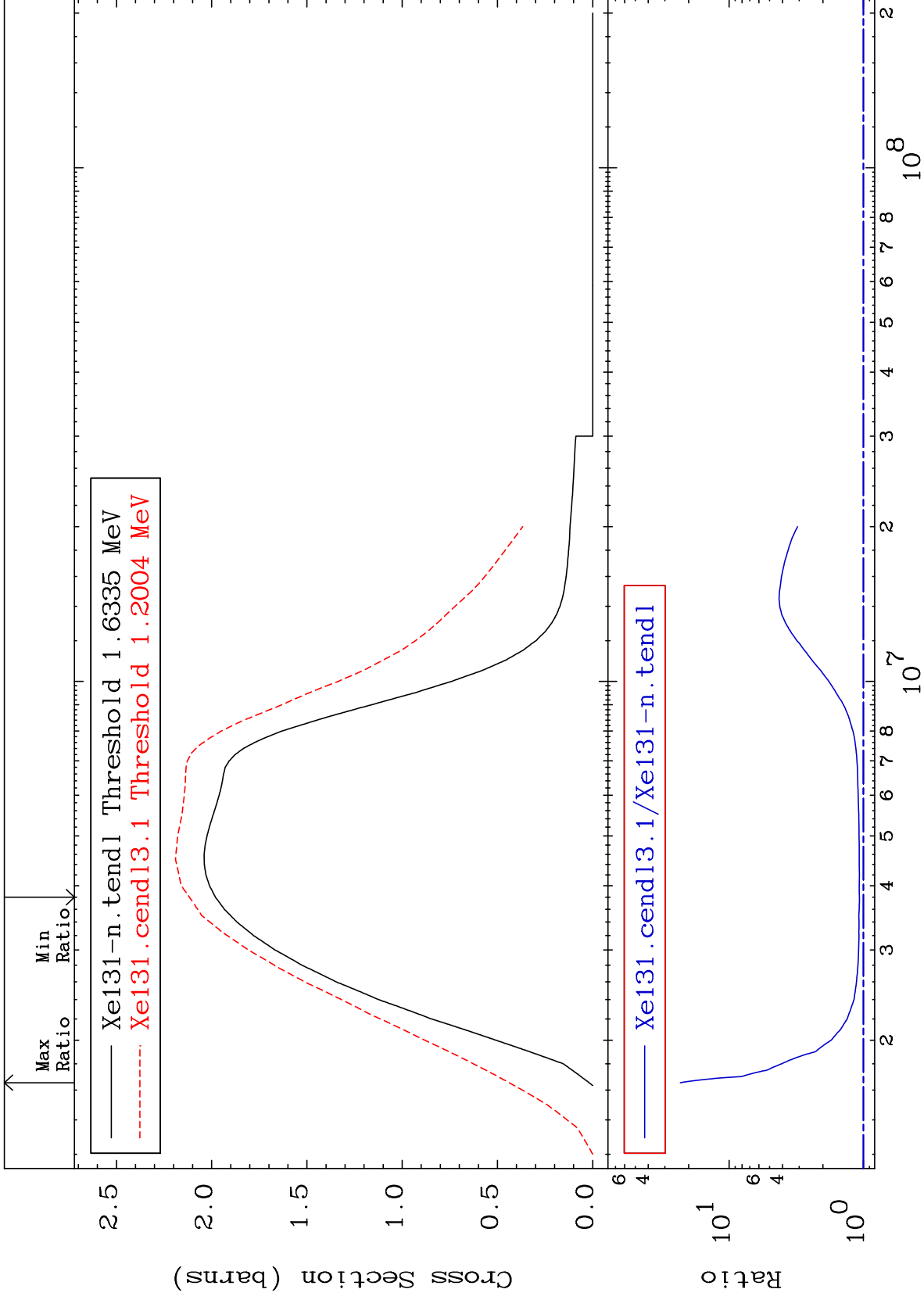
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum
Cross Section

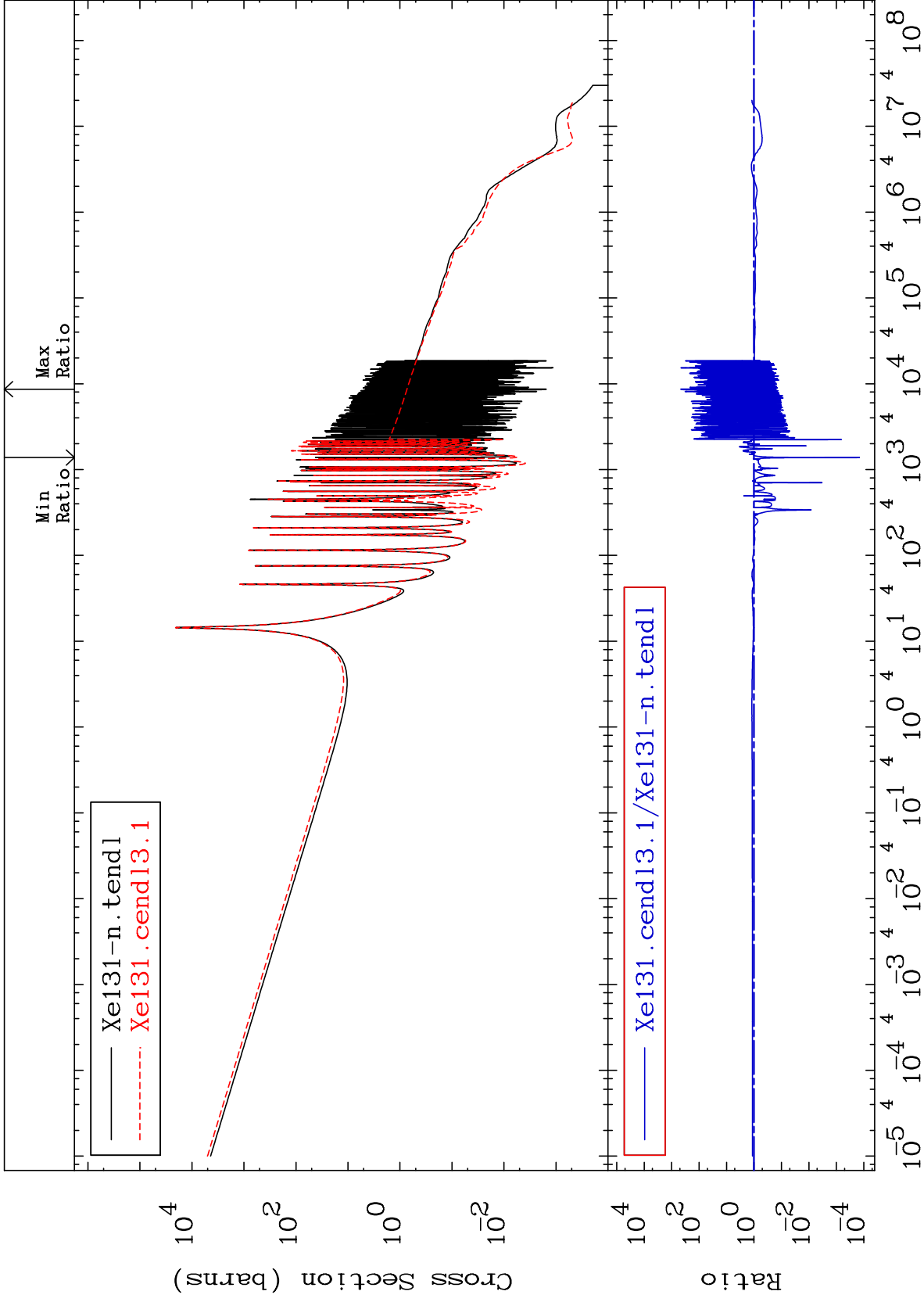
54-Xe-131
6.896 To 2204. %



MAT 5446

(n, γ)
Cross Section

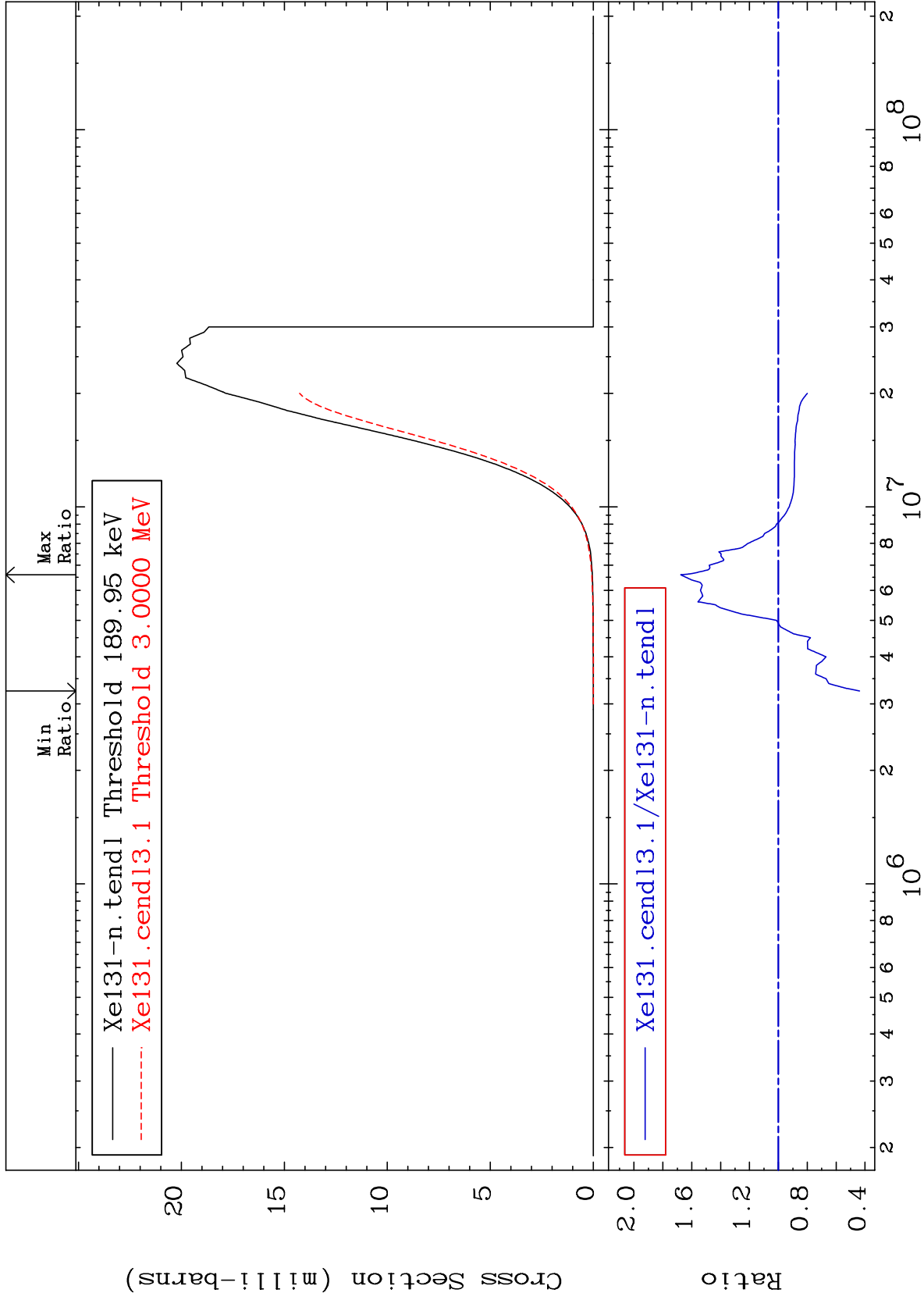
54-Xe-131
-99.99 To 9999. %



MAT 5446

(n, p)
Cross Section

54-Xe-131
-56.19 To 67.60 %



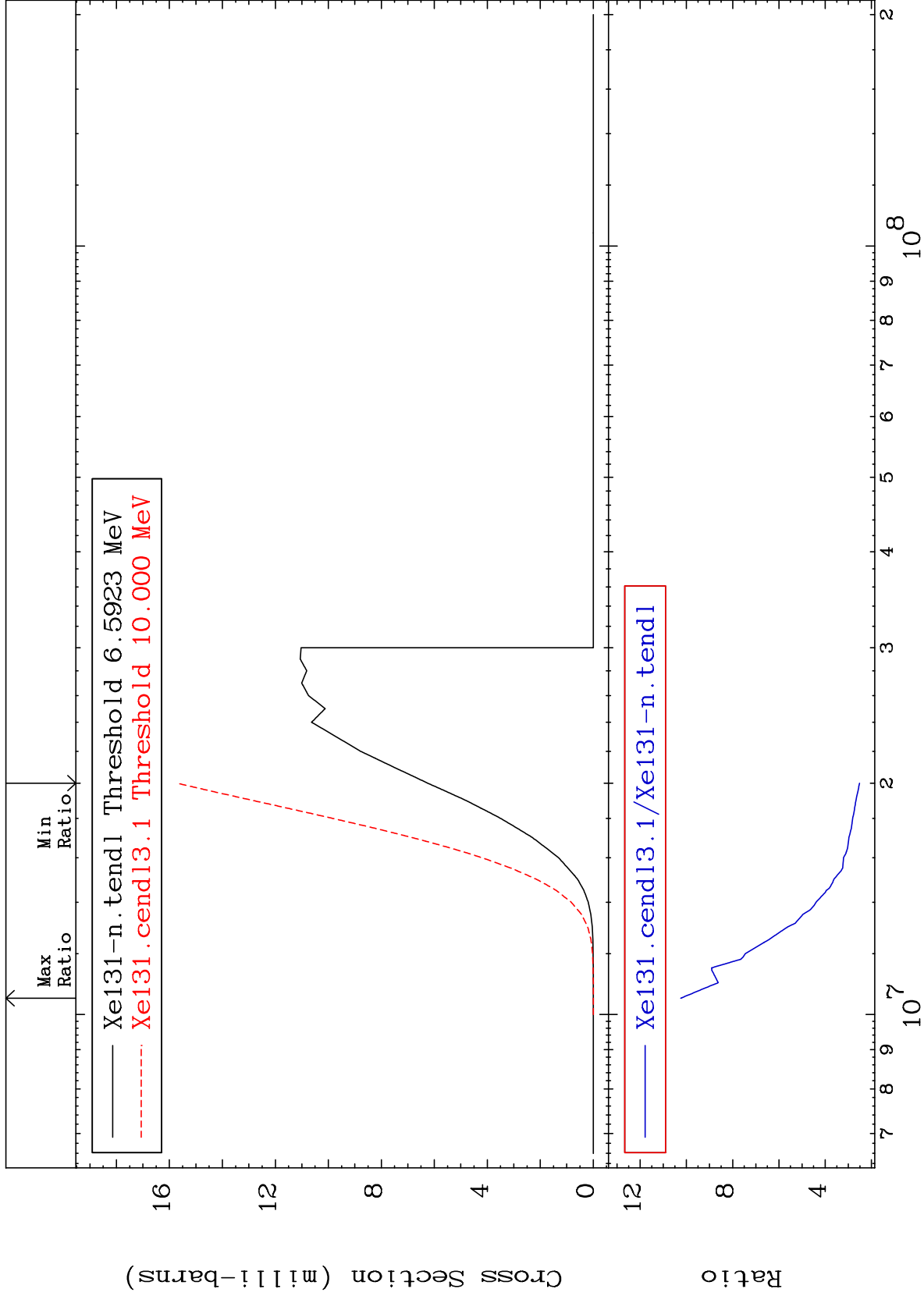
MAT 5446

(n, d)

54-Xe-131

Cross Section

151.5 To 924.4 %



29

54-Xe-131

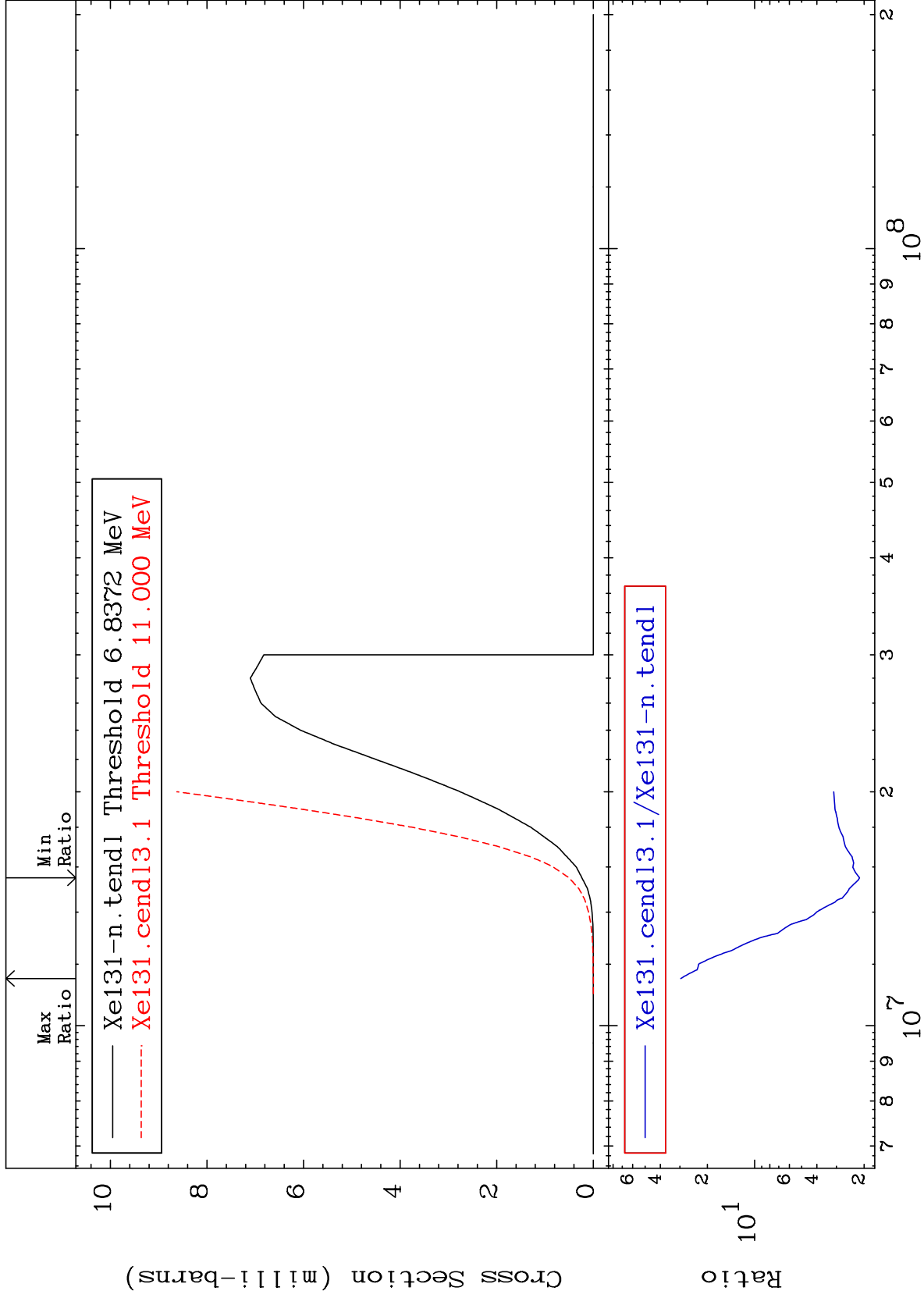
MAT 5446

(n, t)

54-Xe-131

Cross Section

113.8 To 2860. %



30

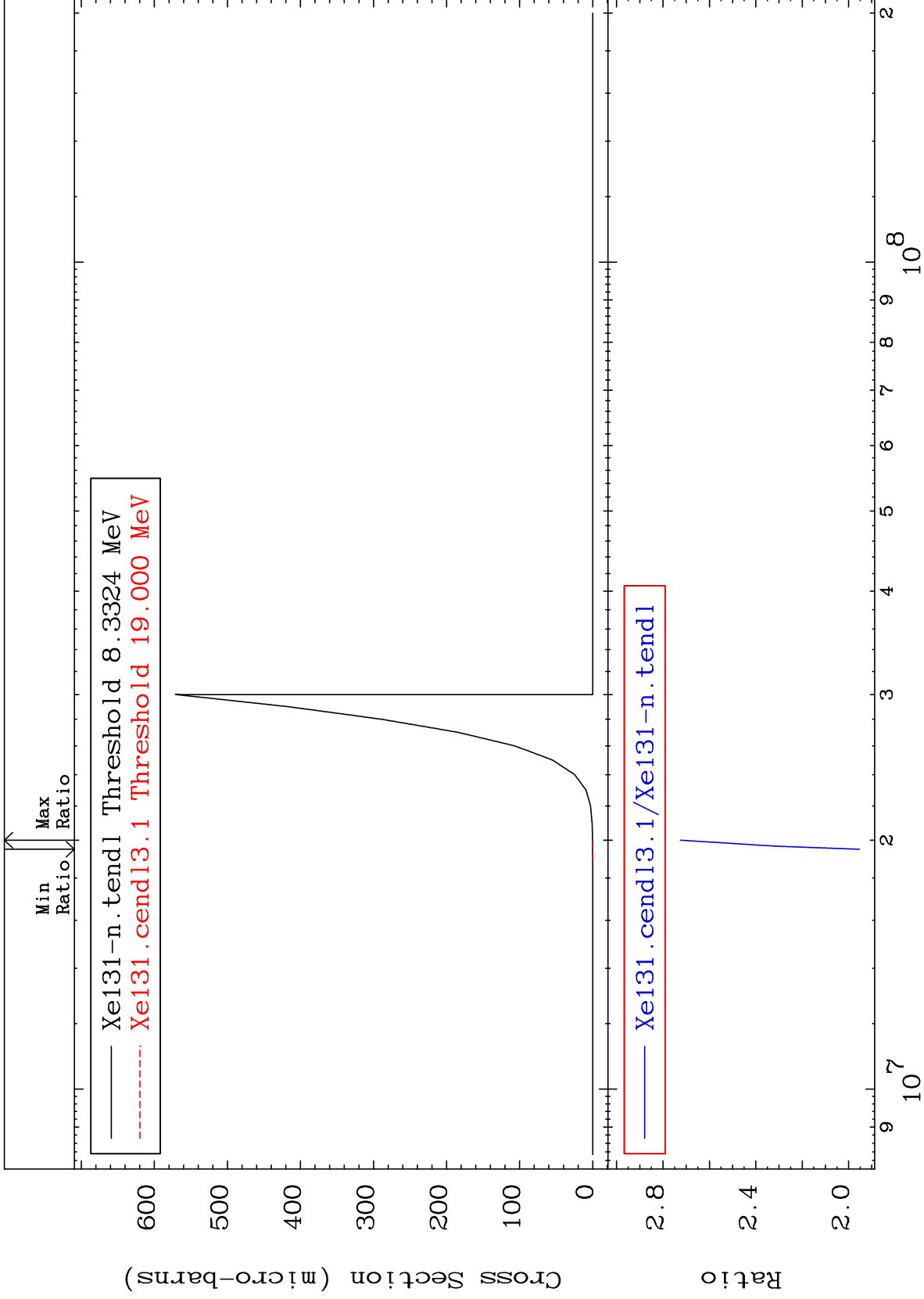
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, He-3)
Cross Section

54-Xe-131
95.34 To 172.5 %



31

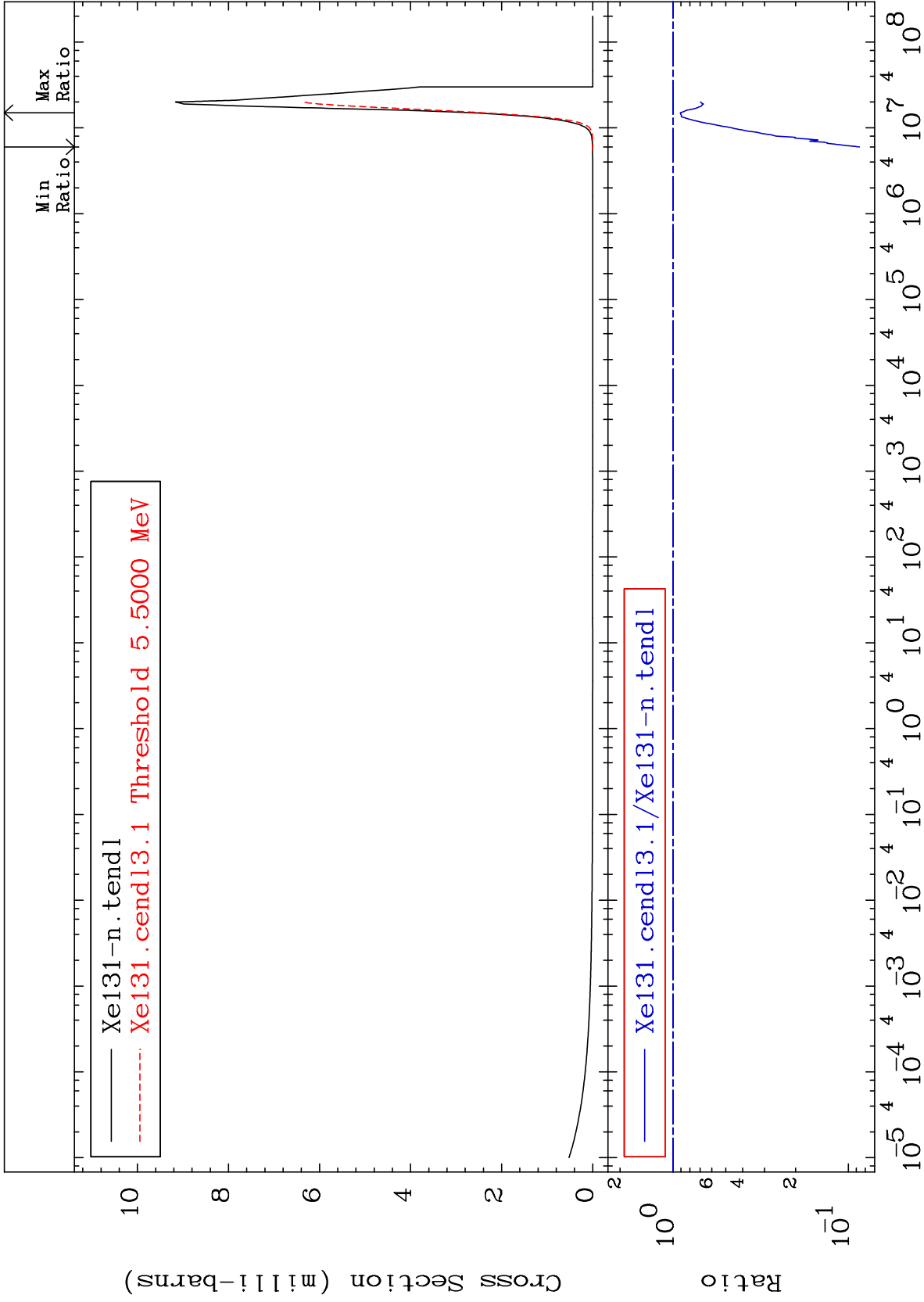
Incident Energy (eV)

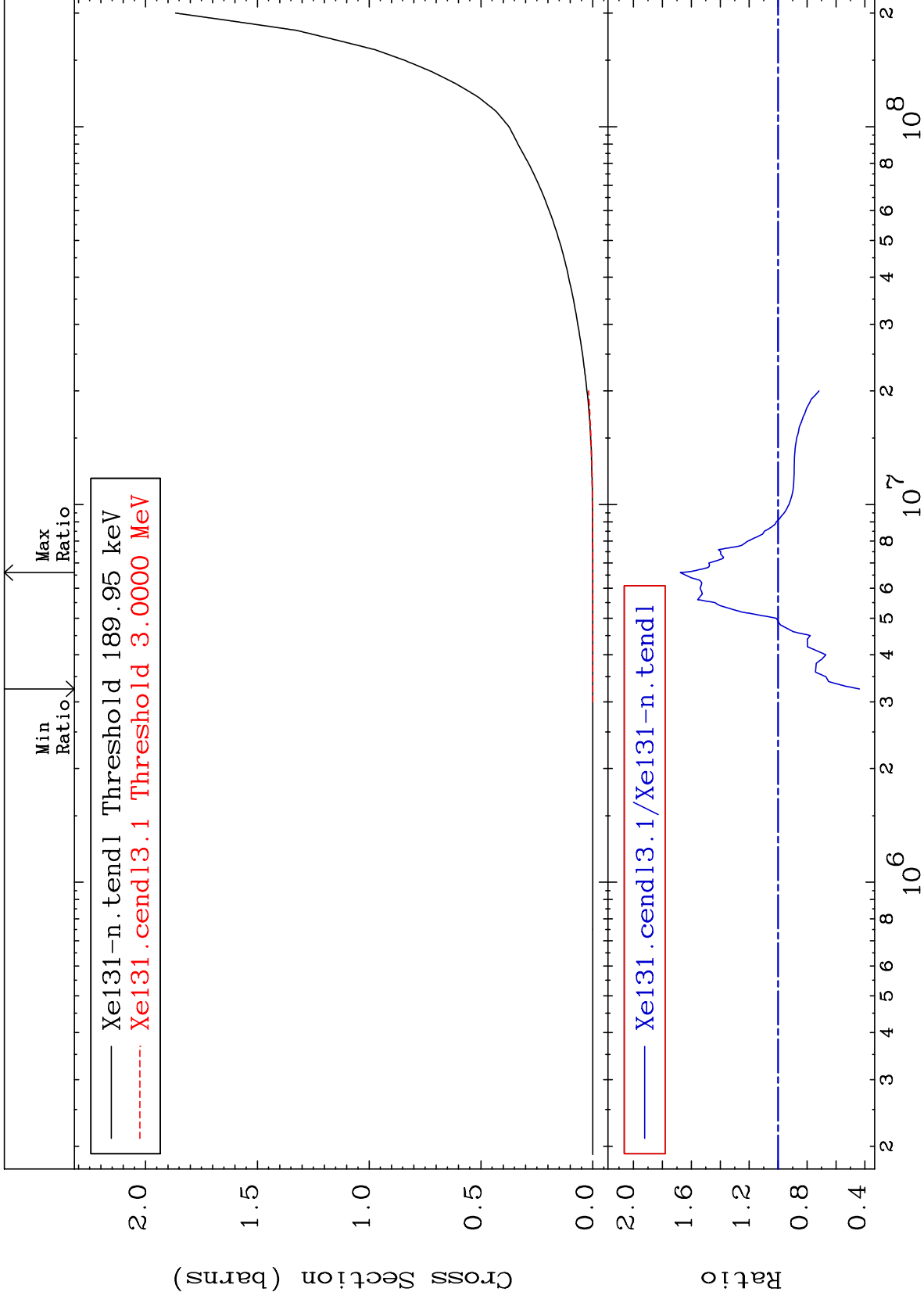
54-Xe-131

MAT 5446

(n, α)
Cross Section

54-Xe-131
-91.35 To -9.297%

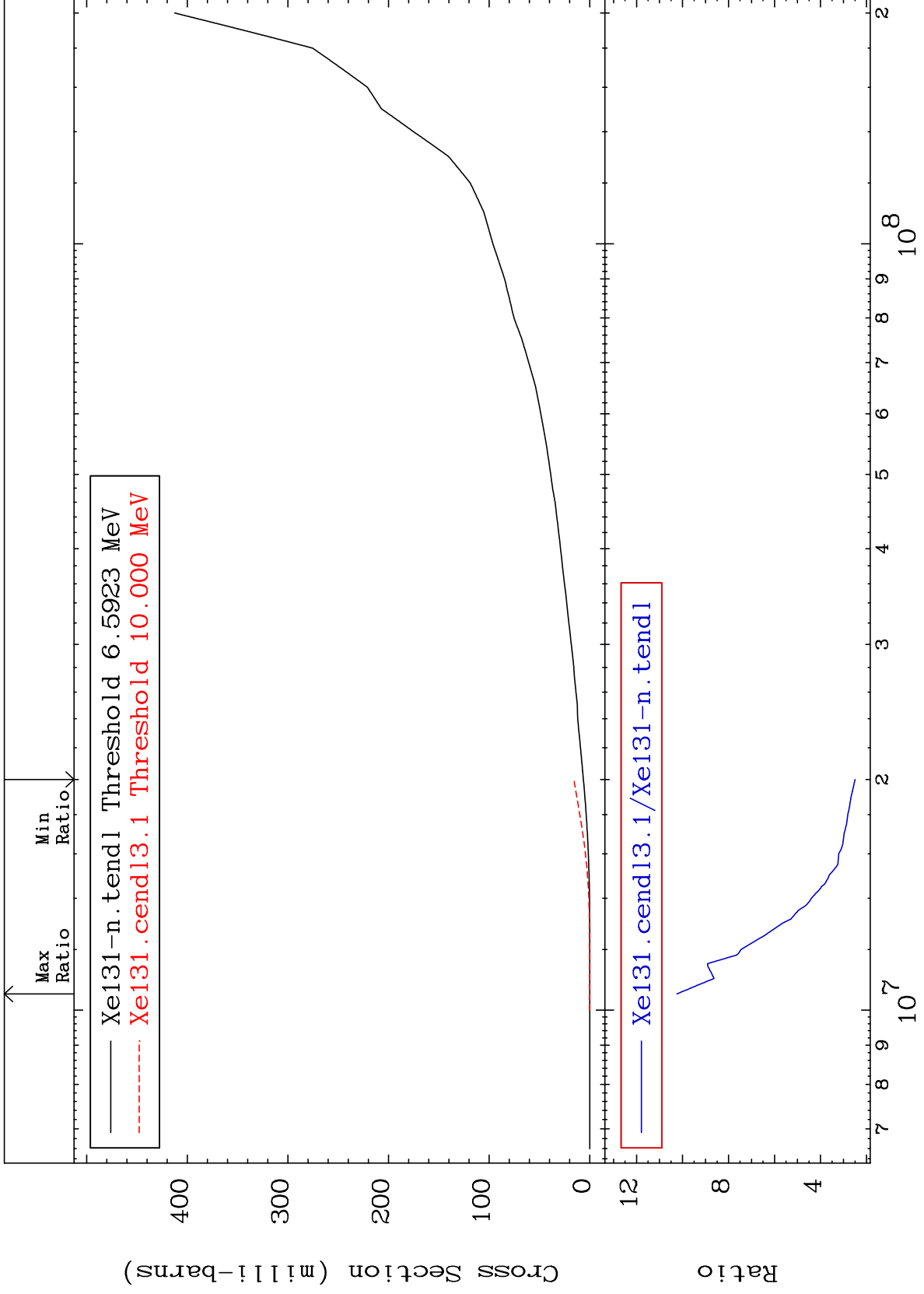




MAT 5446

Deuterium Production
Cross Section

54-Xe-131
149.5 To 924.4 %



34

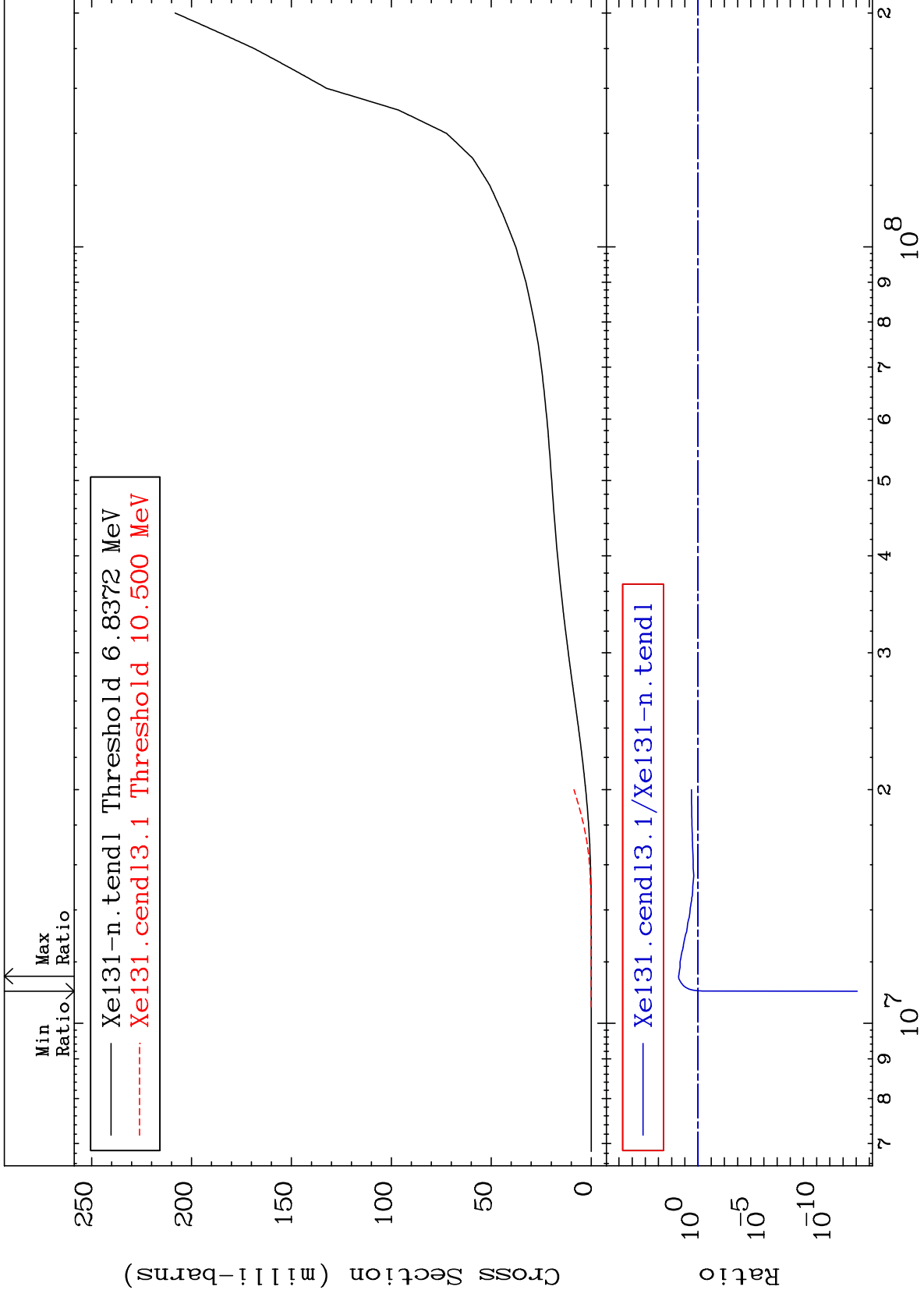
Incident Energy (eV)

54-Xe-131

MAT 5446

Tritium Production
Cross Section

54-Xe-131
-100.0 To 2860. %



35

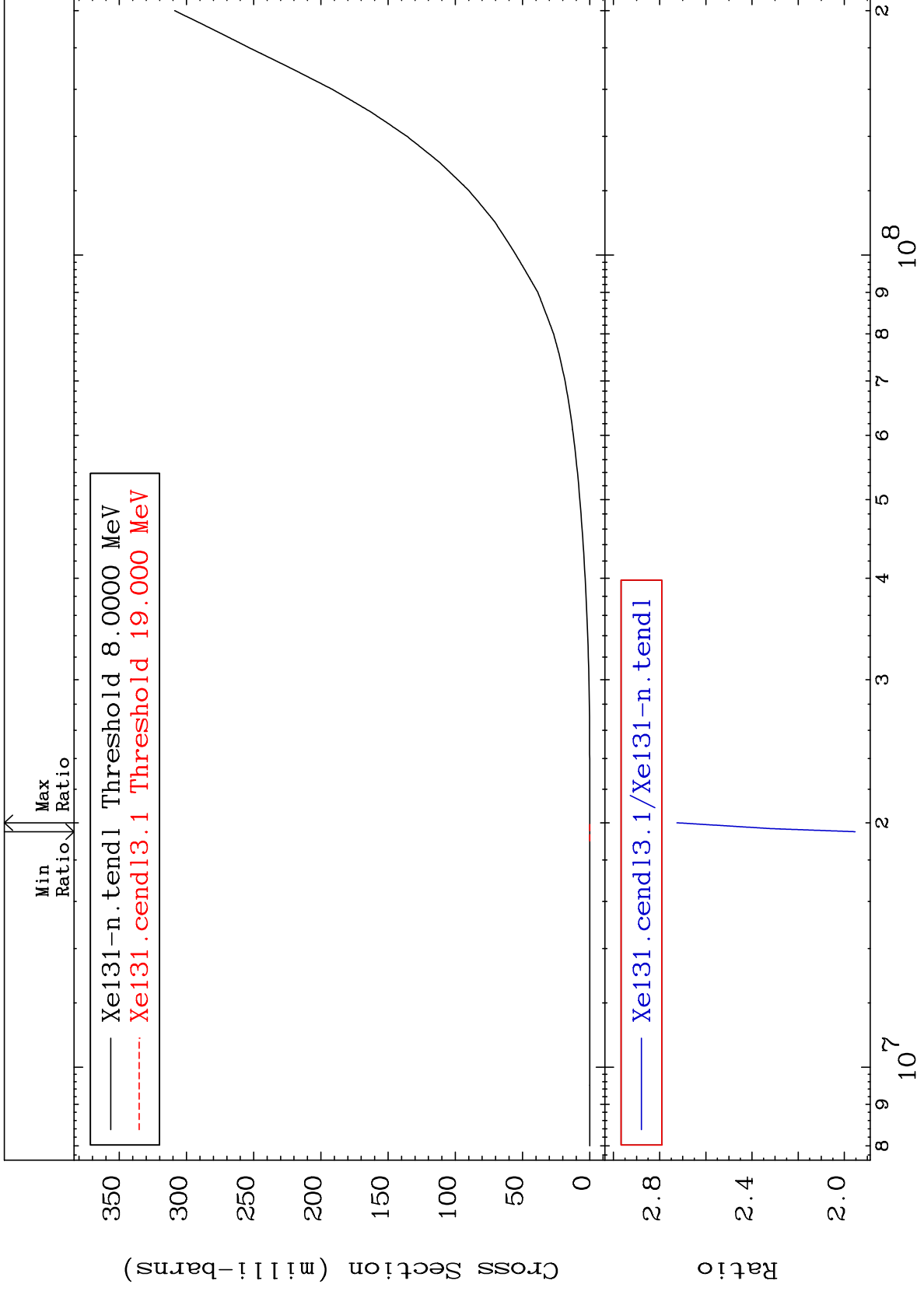
Incident Energy (eV)

54-Xe-131

MAT 5446

He-3 Production
Cross Section

54-Xe-131
95.34 To 172.5 %



36

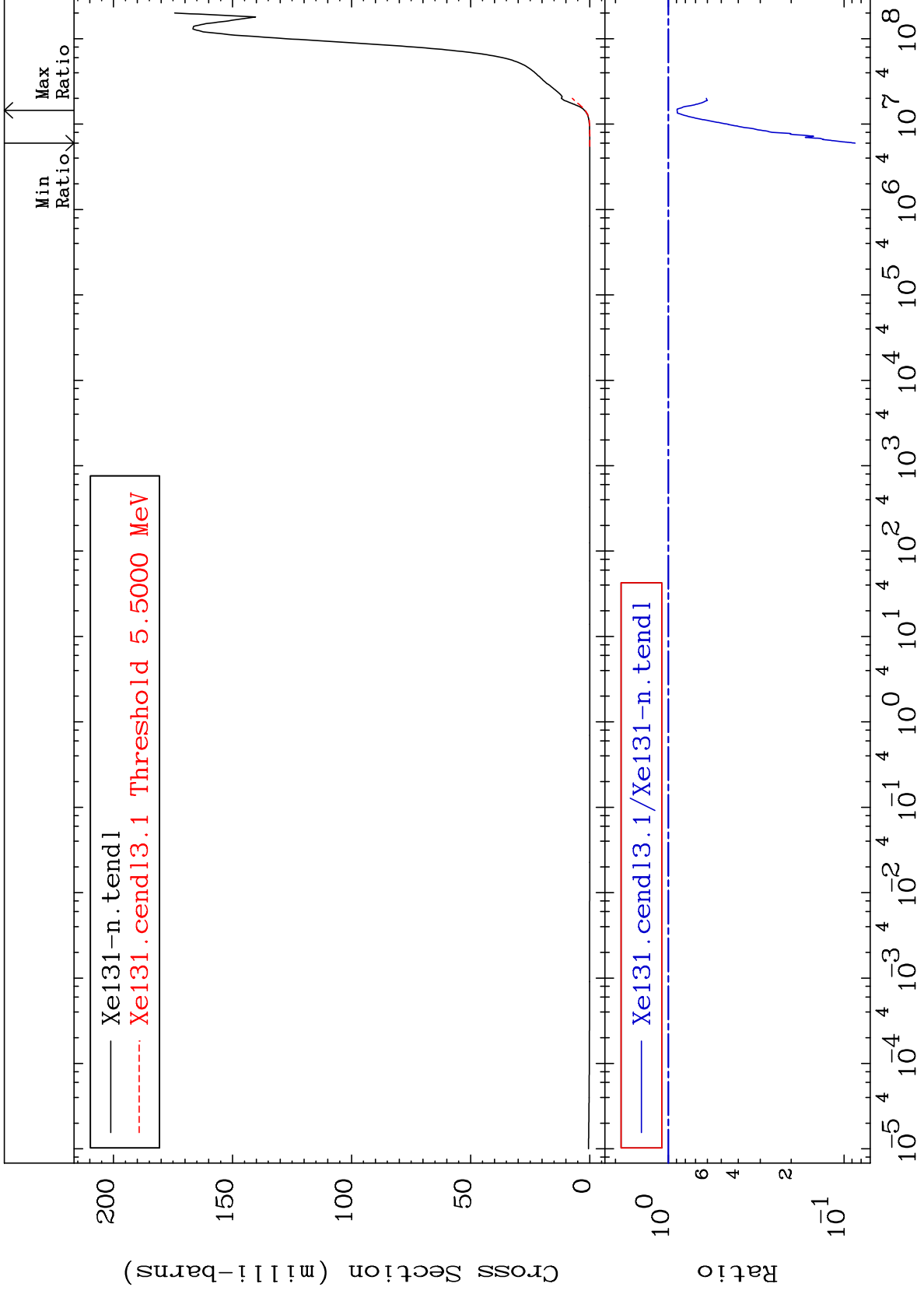
Incident Energy (eV)

54-Xe-131

MAT 5446

He-4 Production
Cross Section

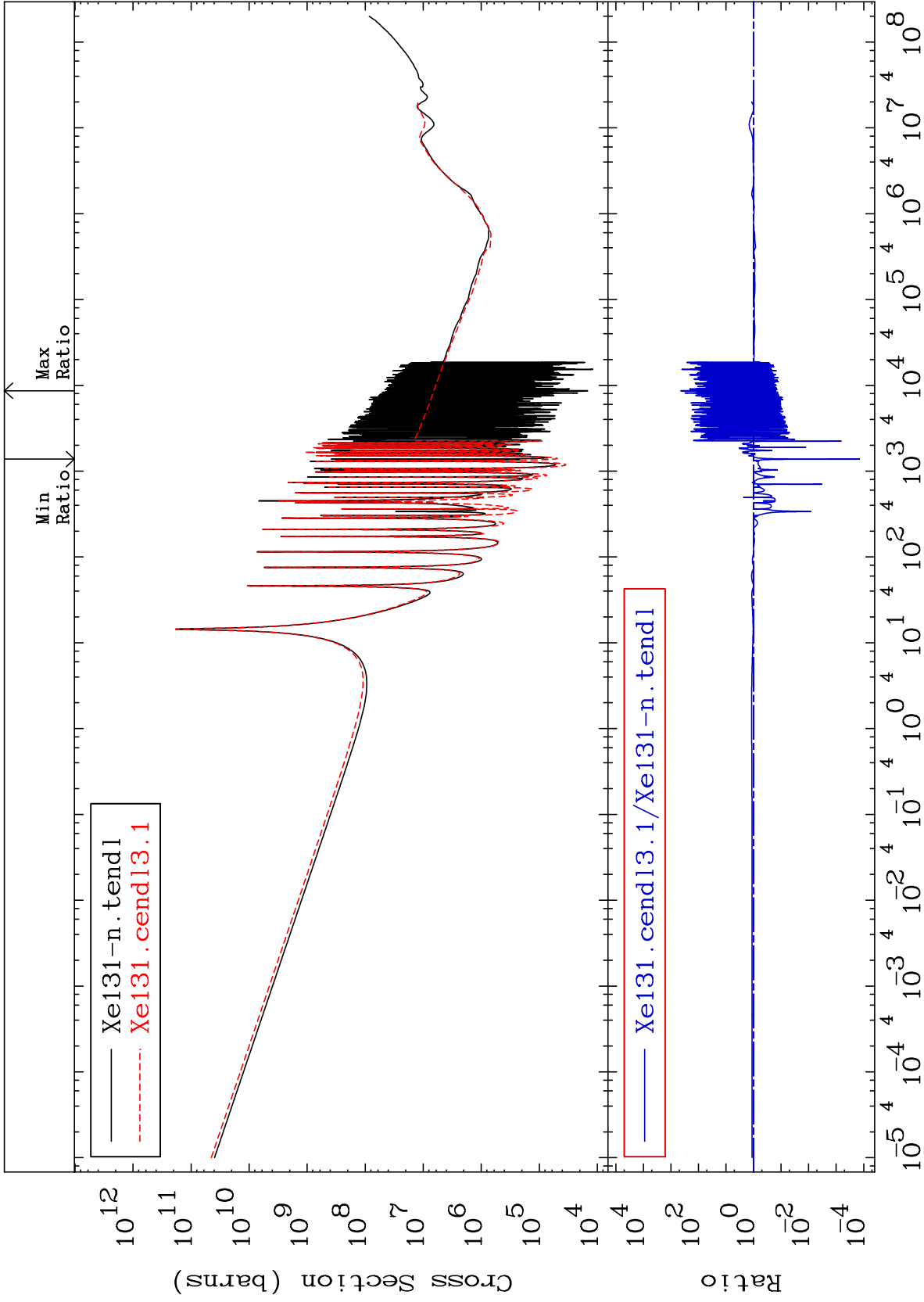
54-Xe-131
-91.35 To -10.64%



37

Incident Energy (eV)

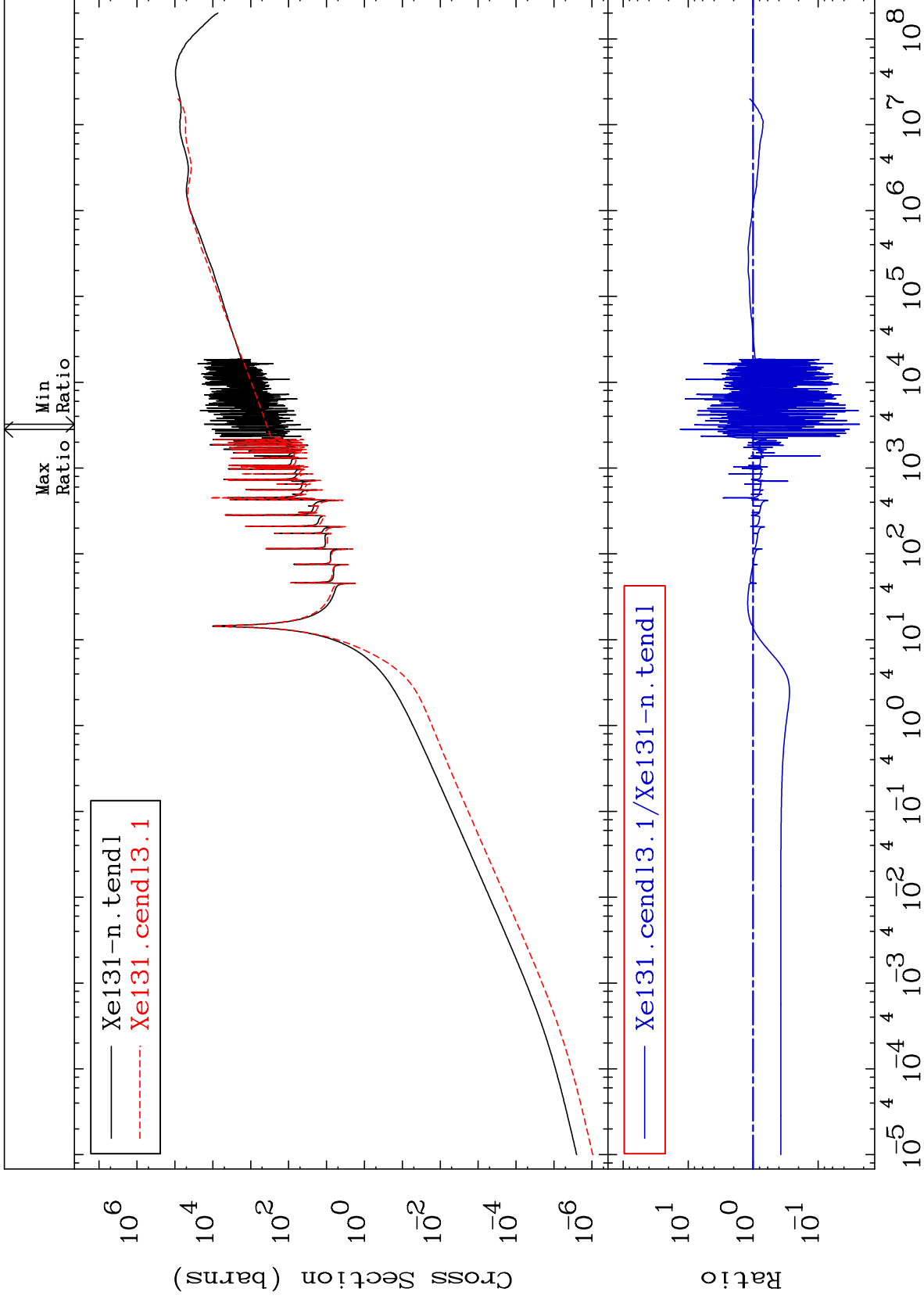
54-Xe-131



MAT 5446

Kerma elastic
Cross Section

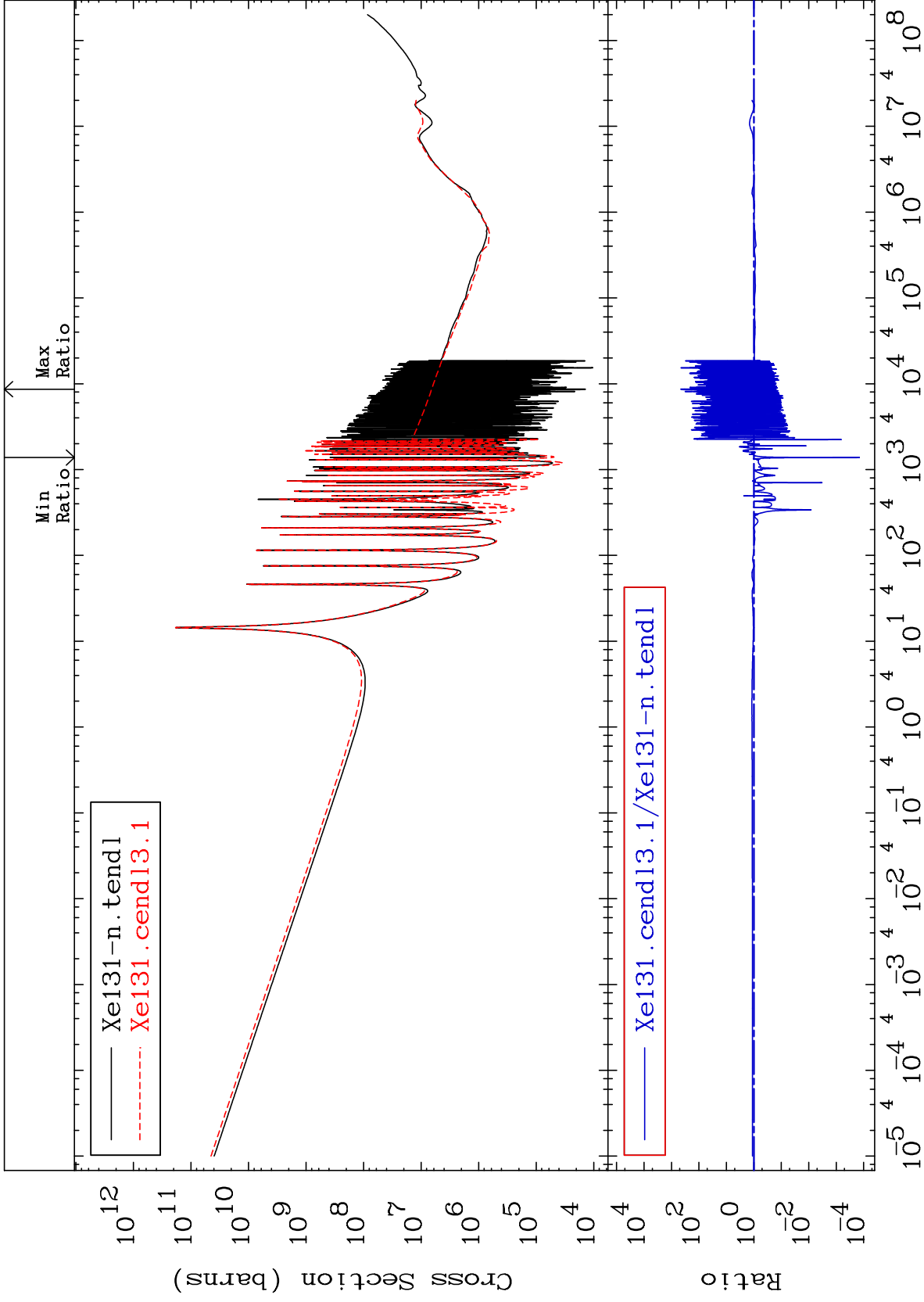
54-Xe-131
-97.68 To 1221. %



MAT 5446

Kerma non-elastic (all but mt2)
Cross Section

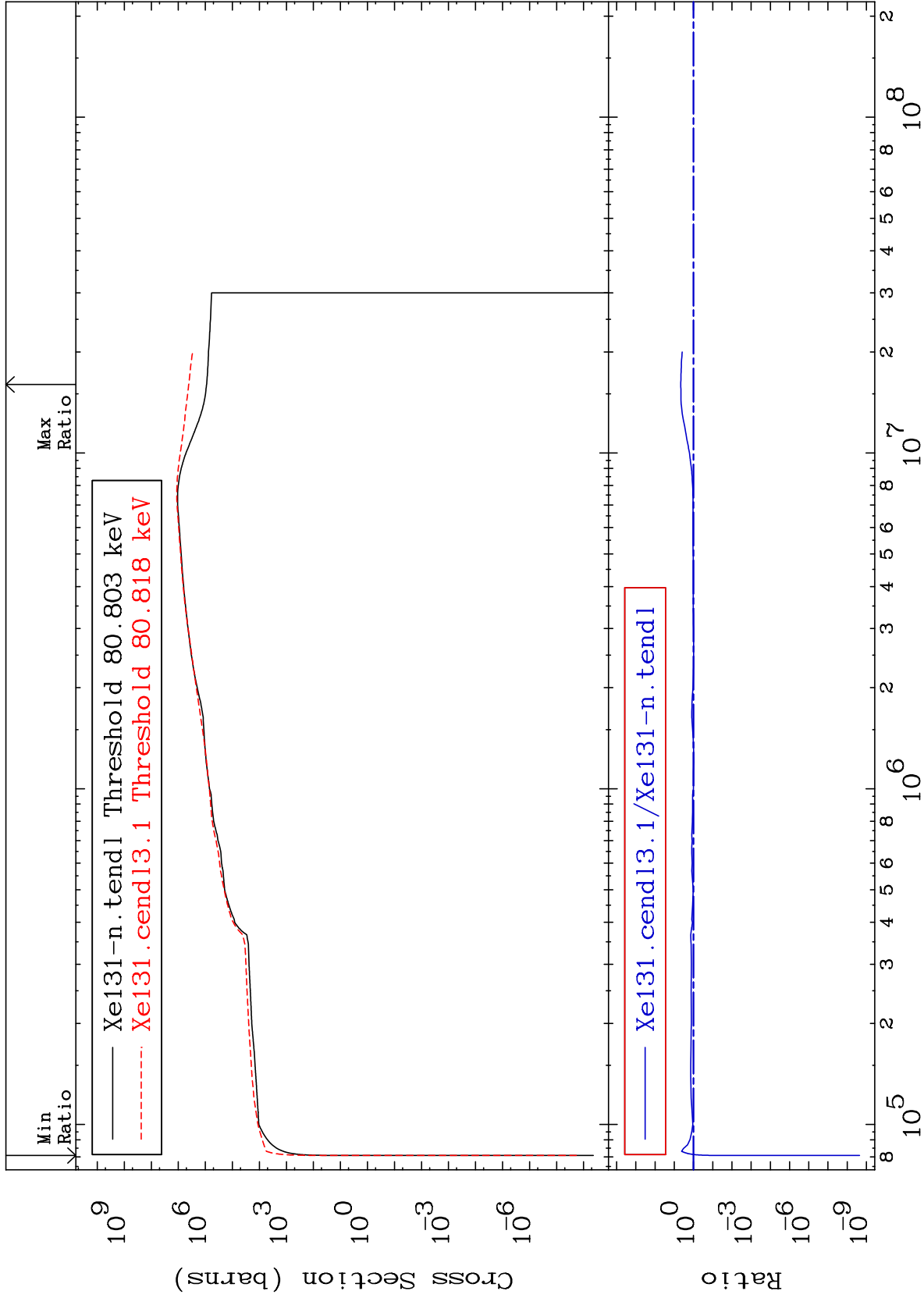
54-Xe-131
-99.99 To 9999. %



40

Incident Energy (eV)

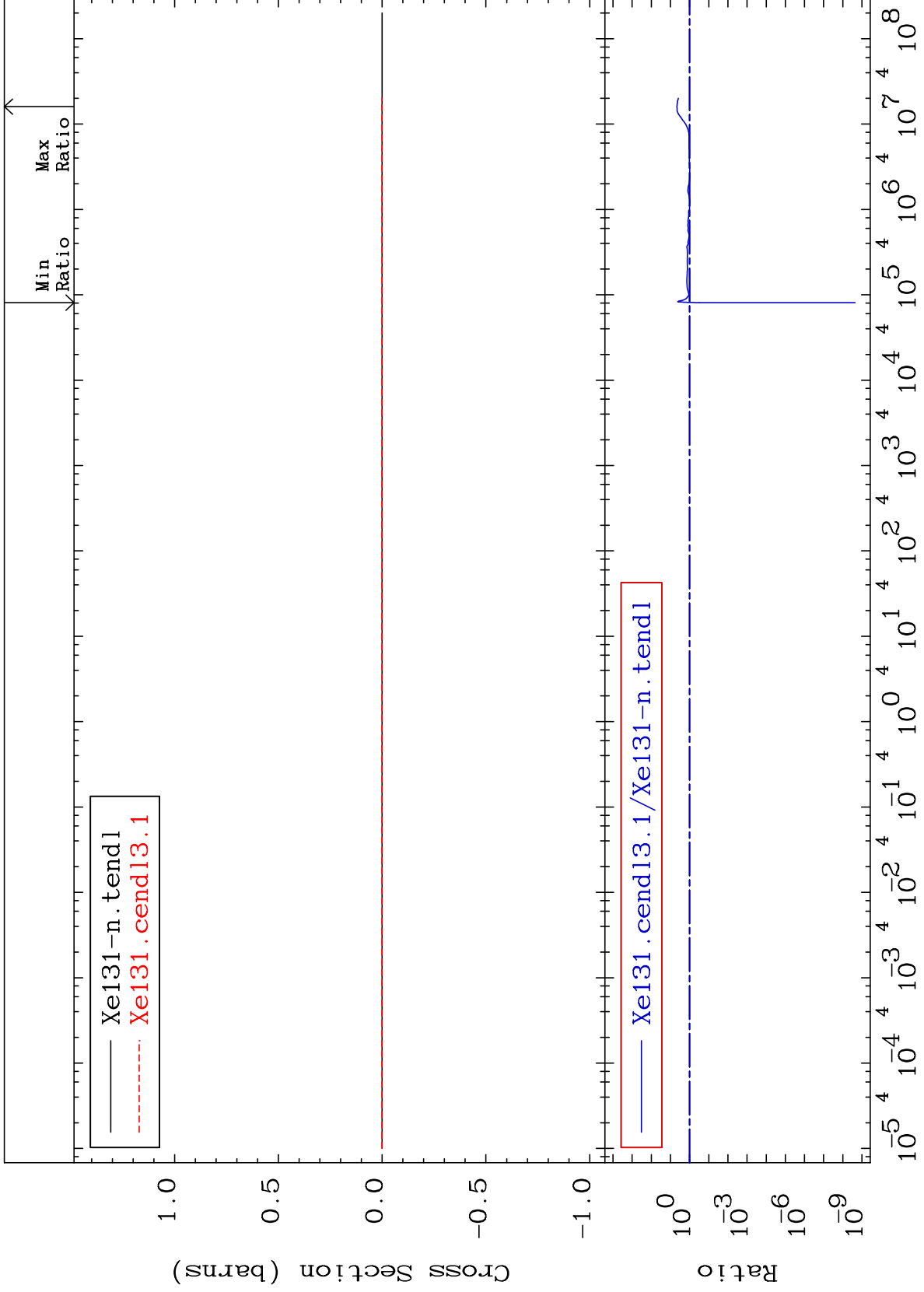
54-Xe-131



MAT 5446

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

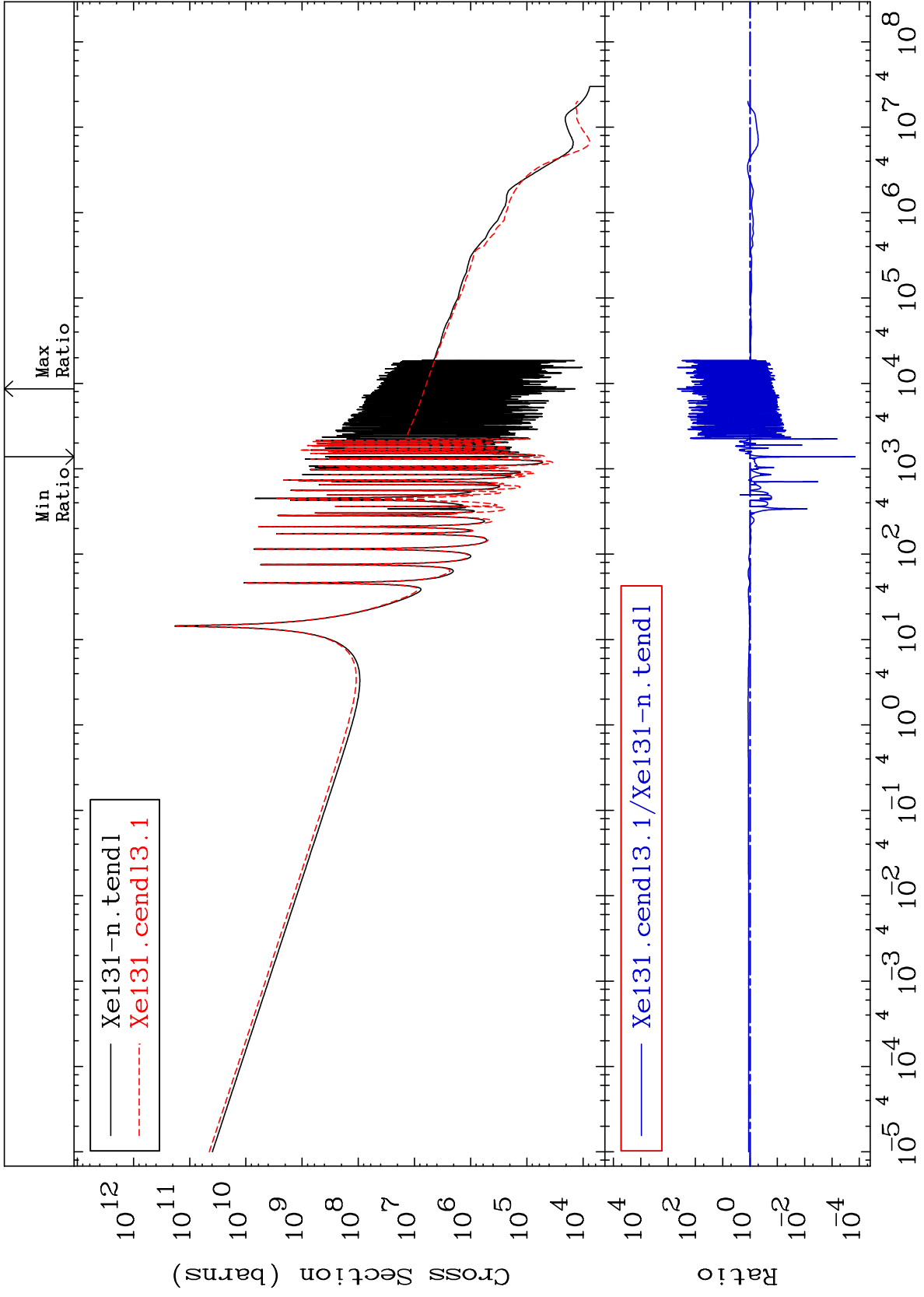
54-Xe-131
-100.0 To 359.7 %

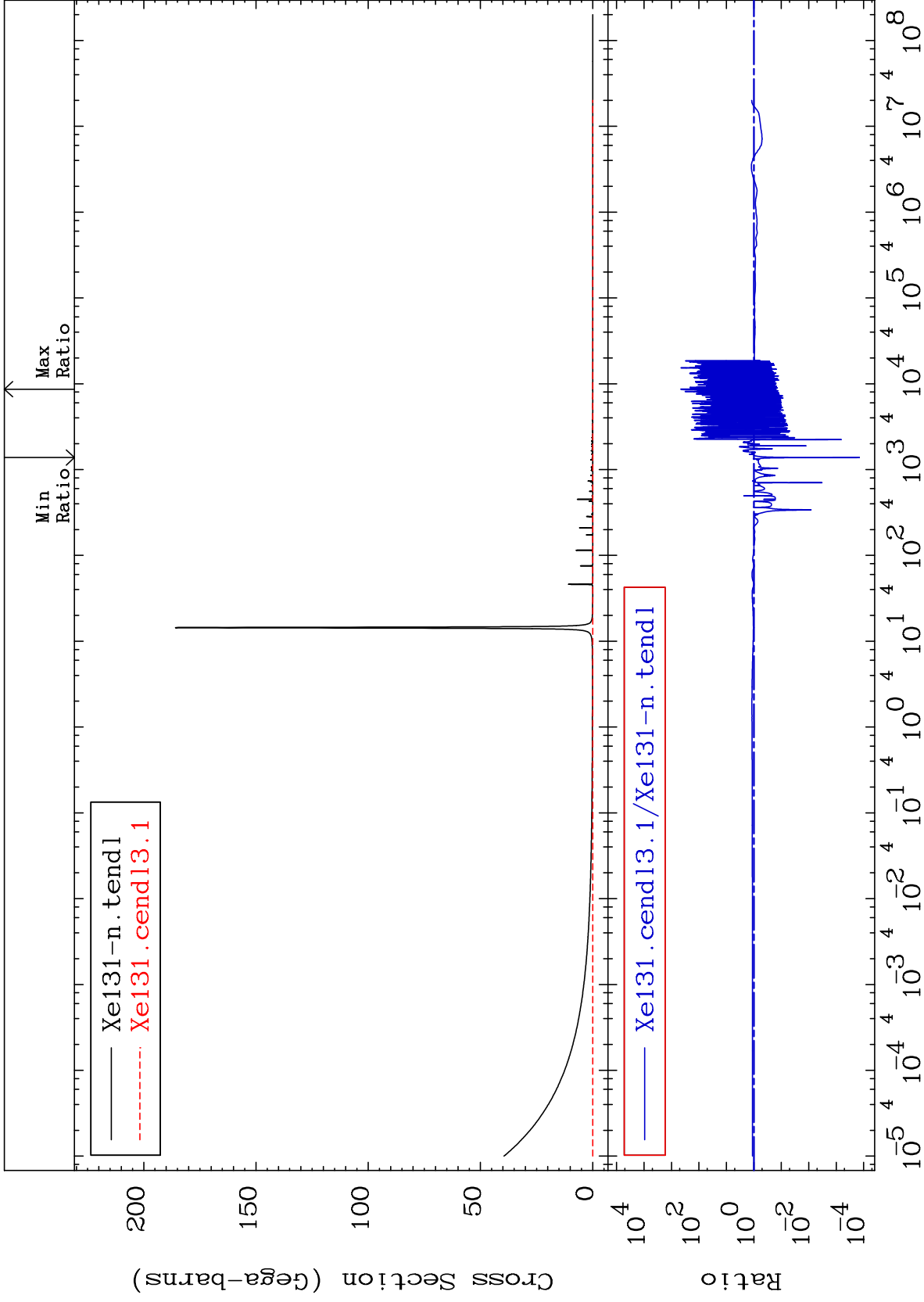


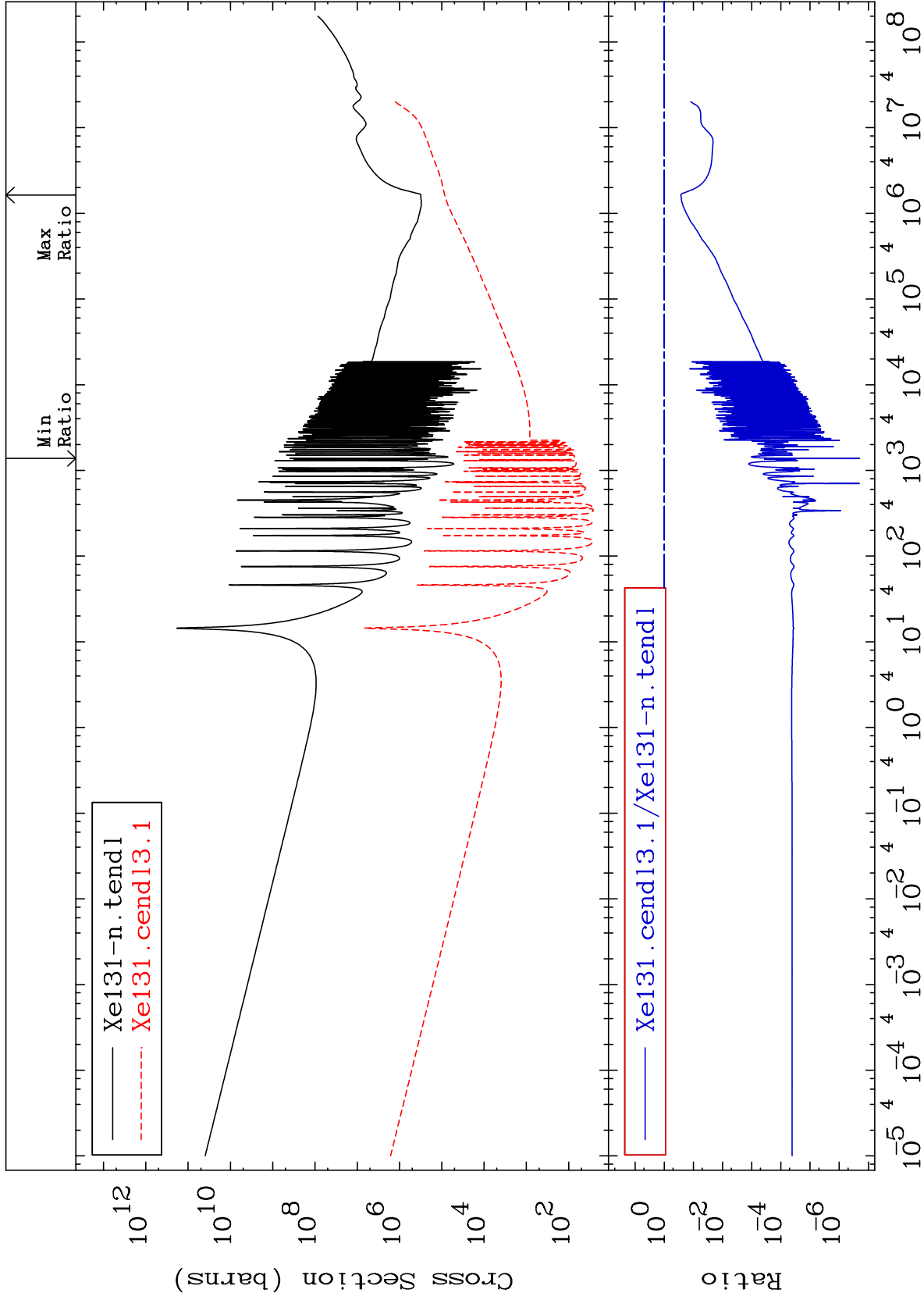
MAT 5446

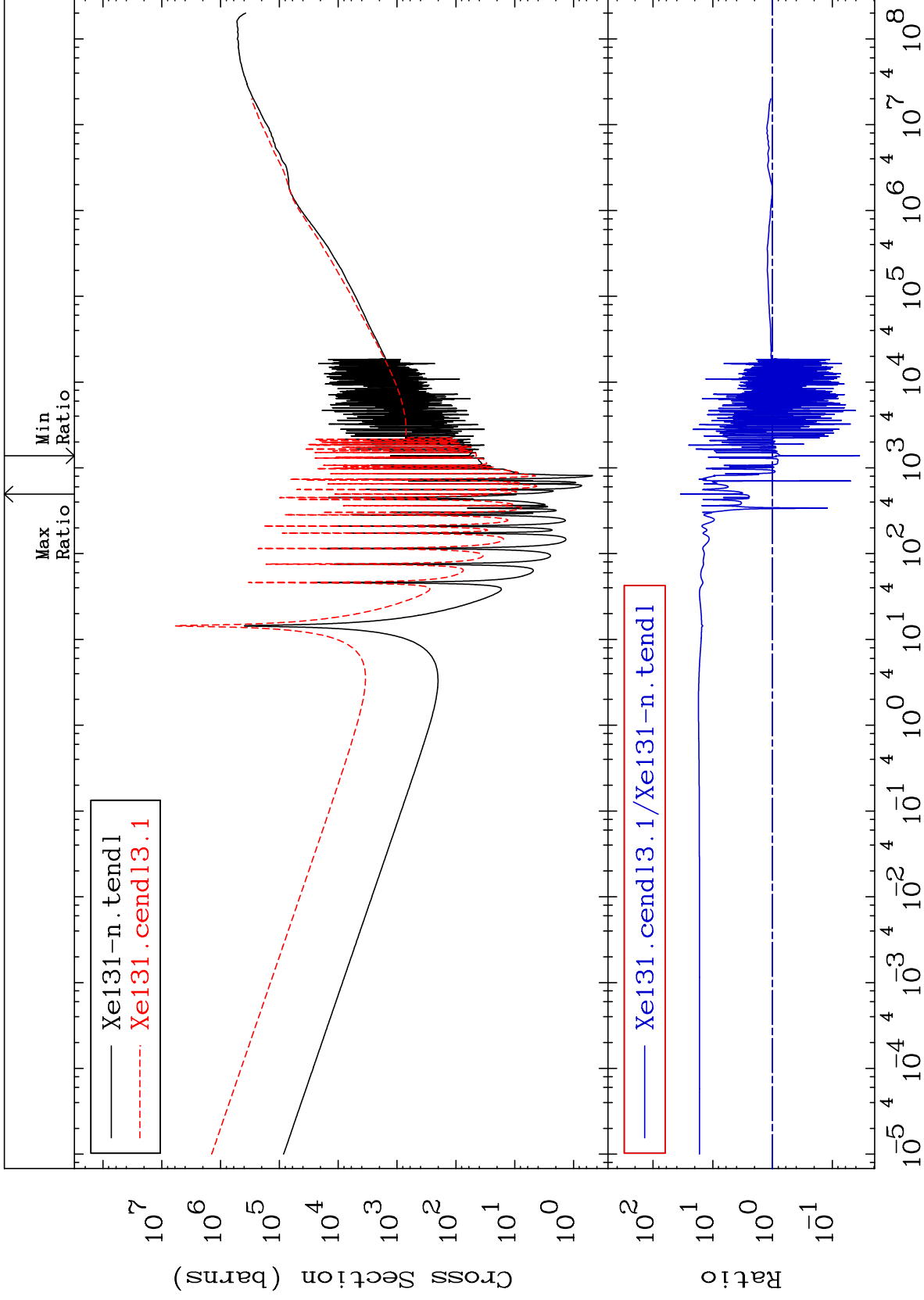
Kerma capture (mt102)
Cross Section

54-Xe-131
-99.99 To 9999. %





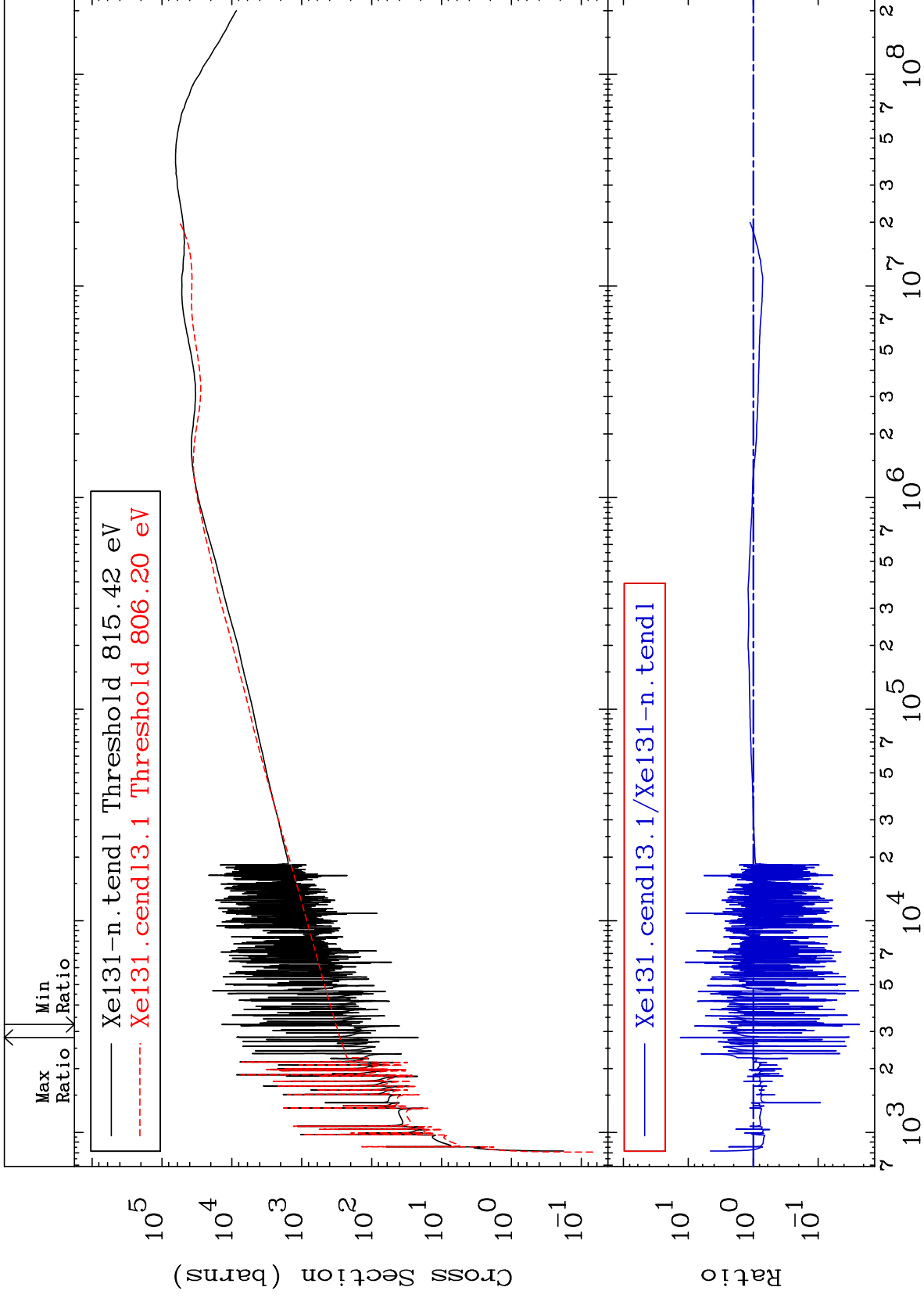




MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-97.68 To 1224. %



47

Incident Energy (eV)

54-Xe-131

MAT 5446

Dpa inelastic (mt51-91)
Cross Section

54-Xe-131
-100.0 To 559.4 %

