

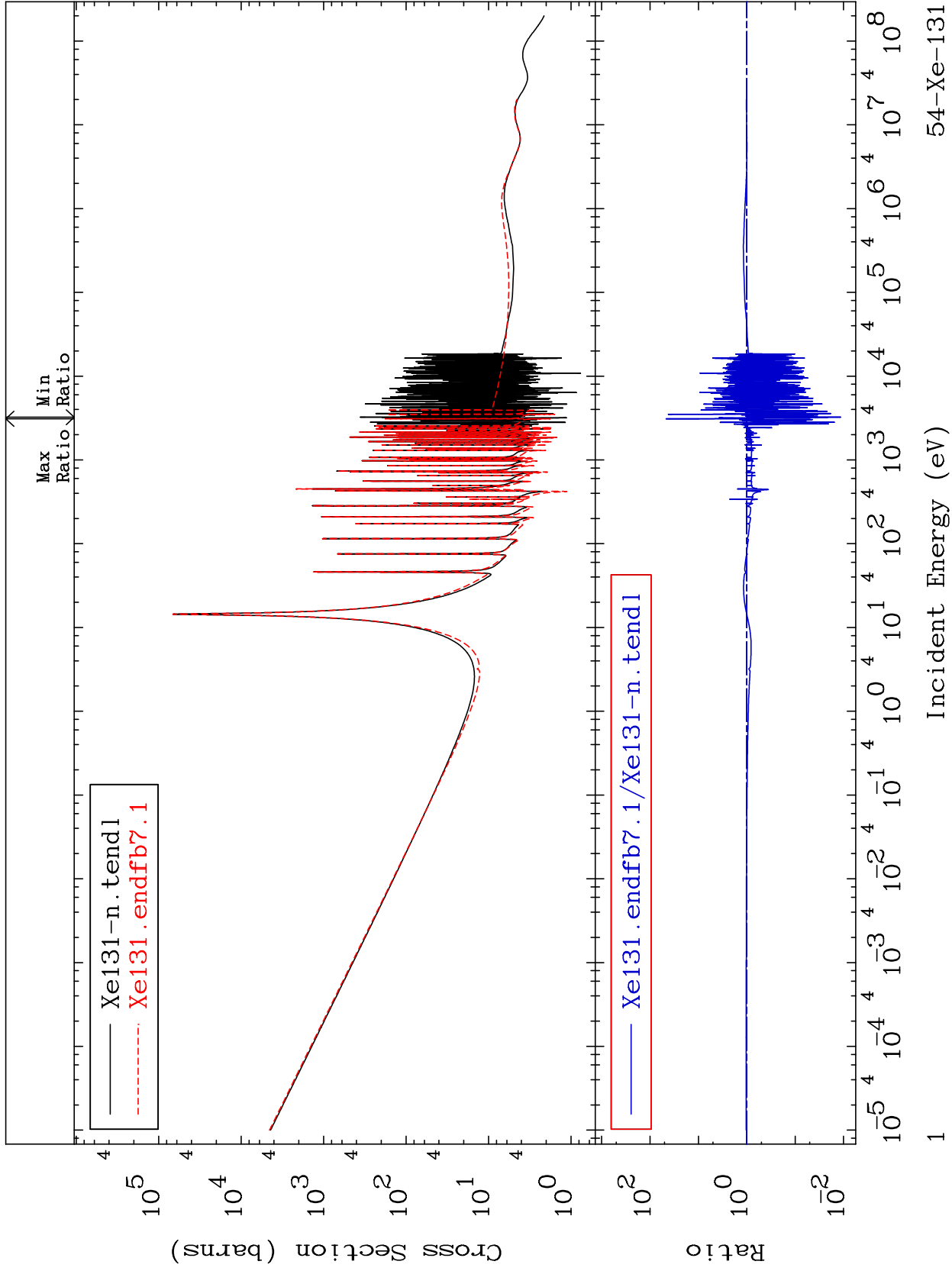
MAT 5446

Total

54-Xe-131

Cross Section

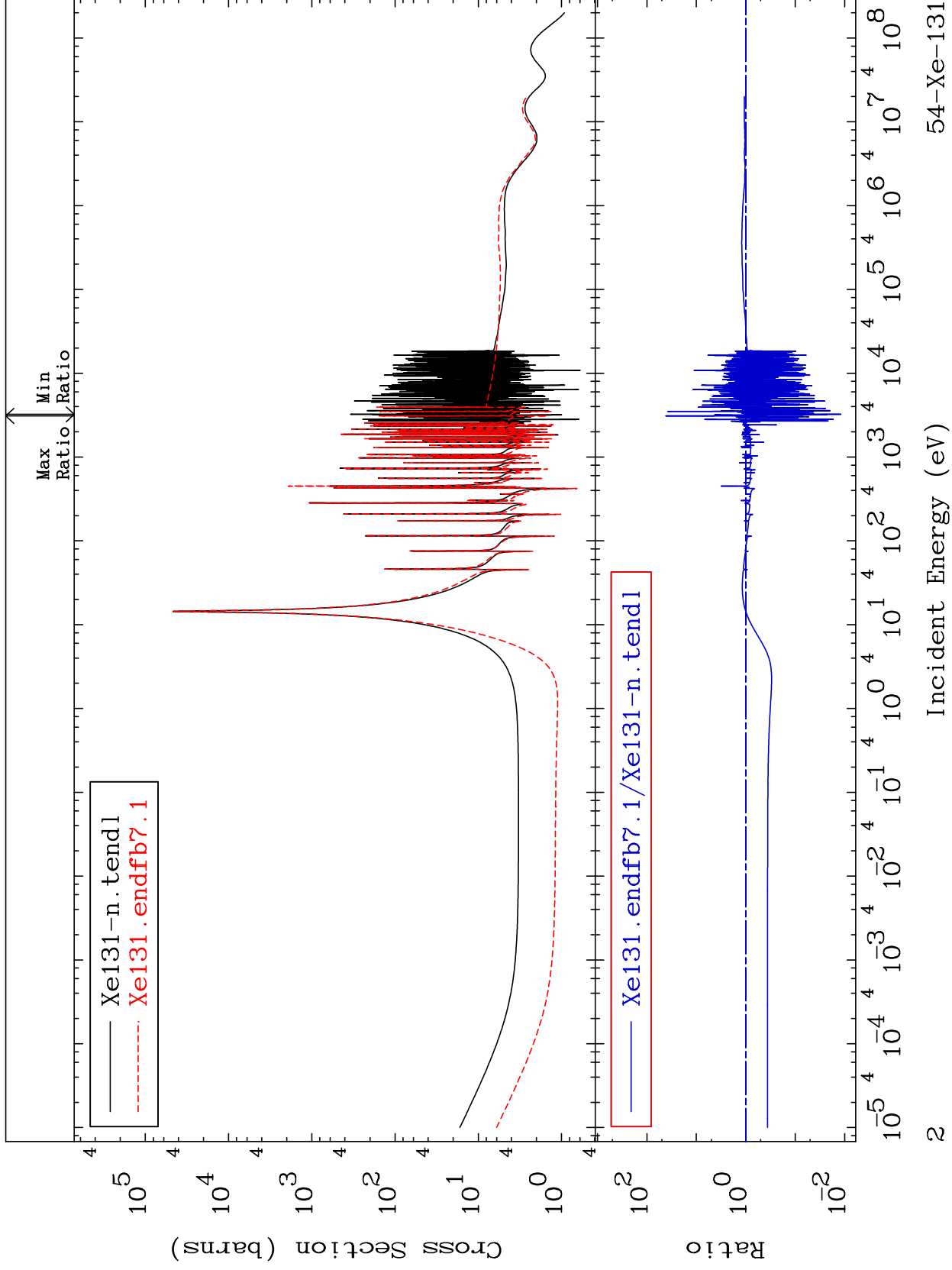
-98.86 To 4583. %



MAT 5446

Elastic
Cross Section

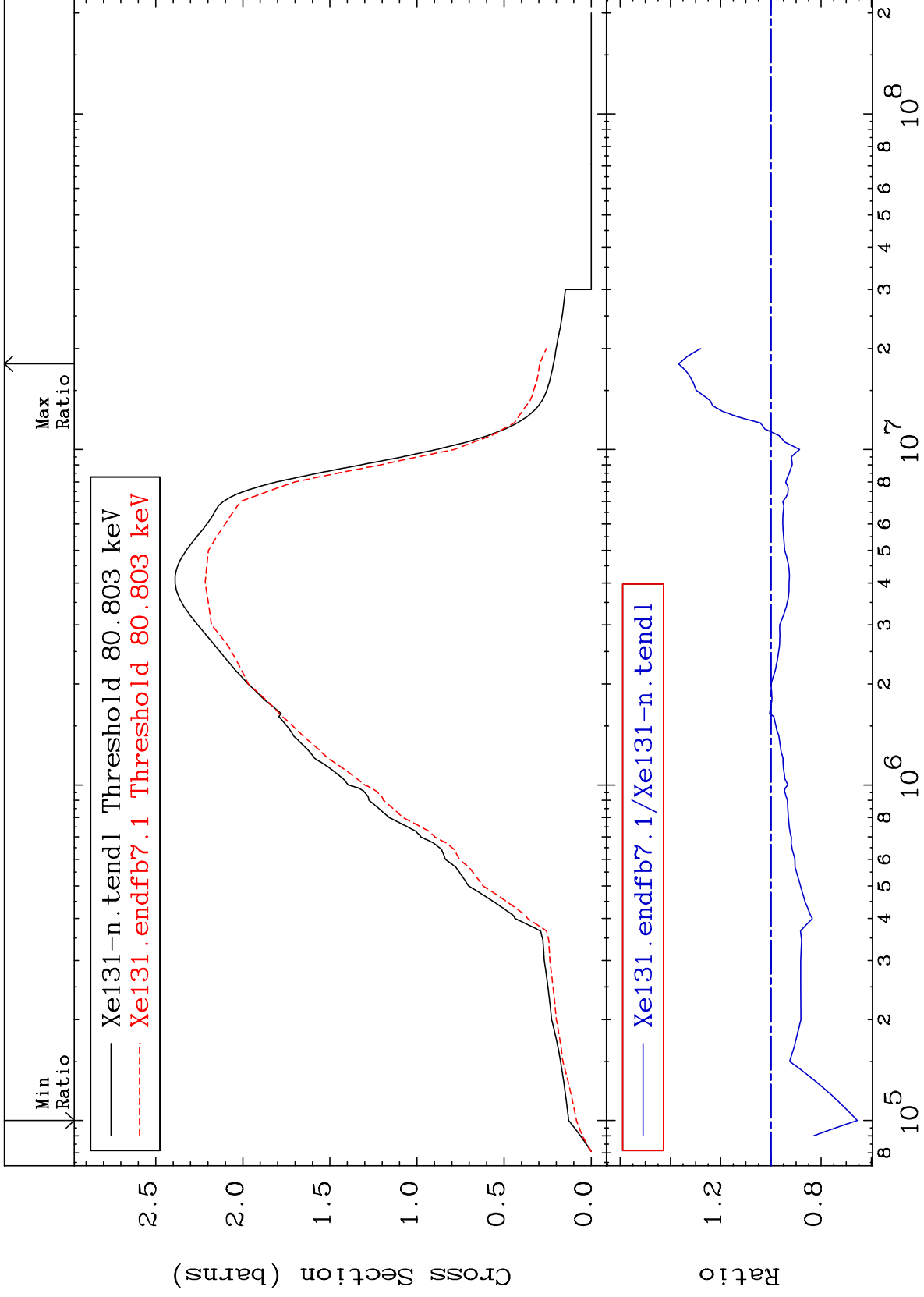
54-Xe-131
-98.81 To 4019. %



MAT 5446

Inelastic
Cross Section

54-Xe-131
-34.38 To 36.75 %



3

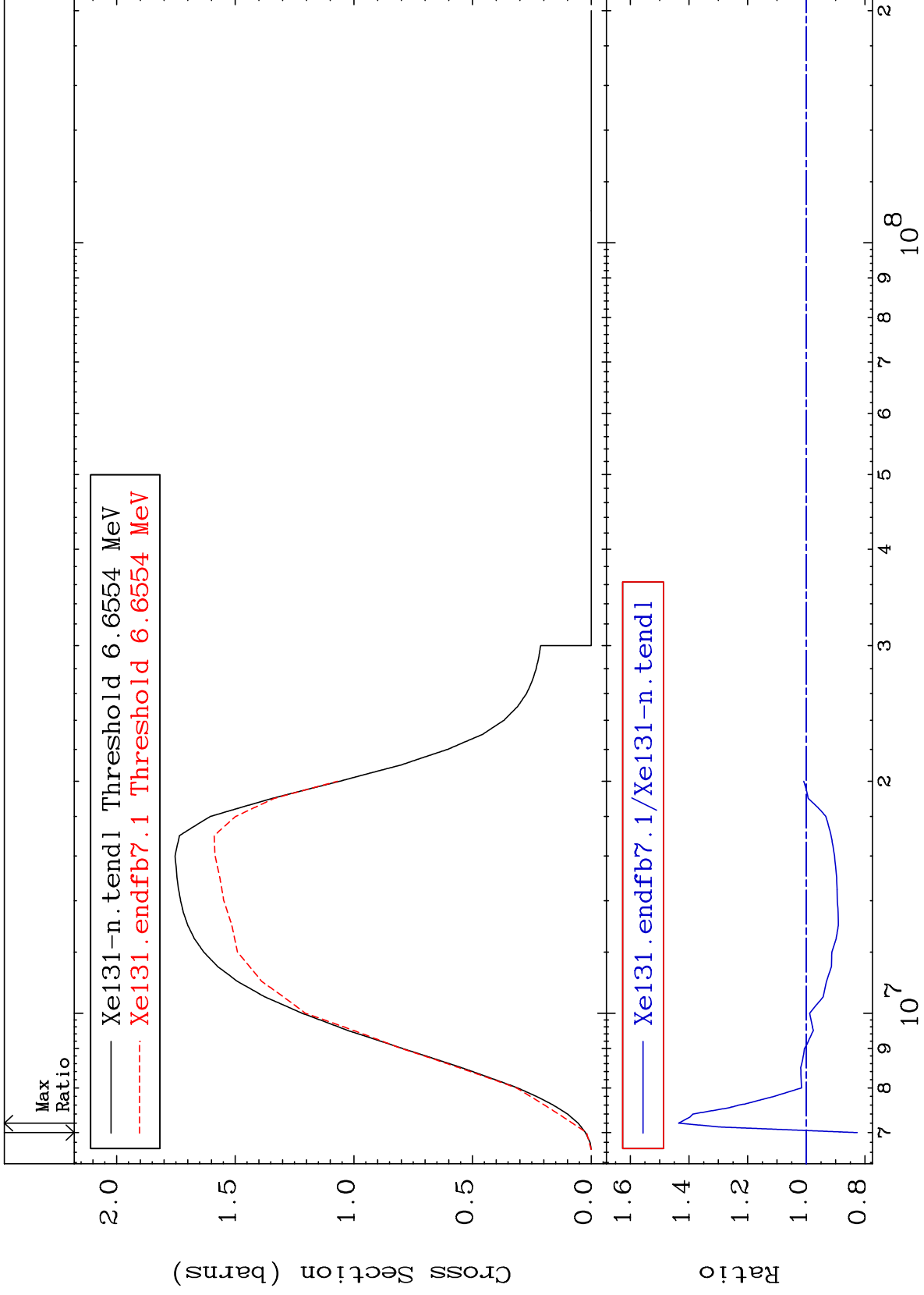
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,2n)
Cross Section

54-Xe-131
-17.35 To 43.53 %



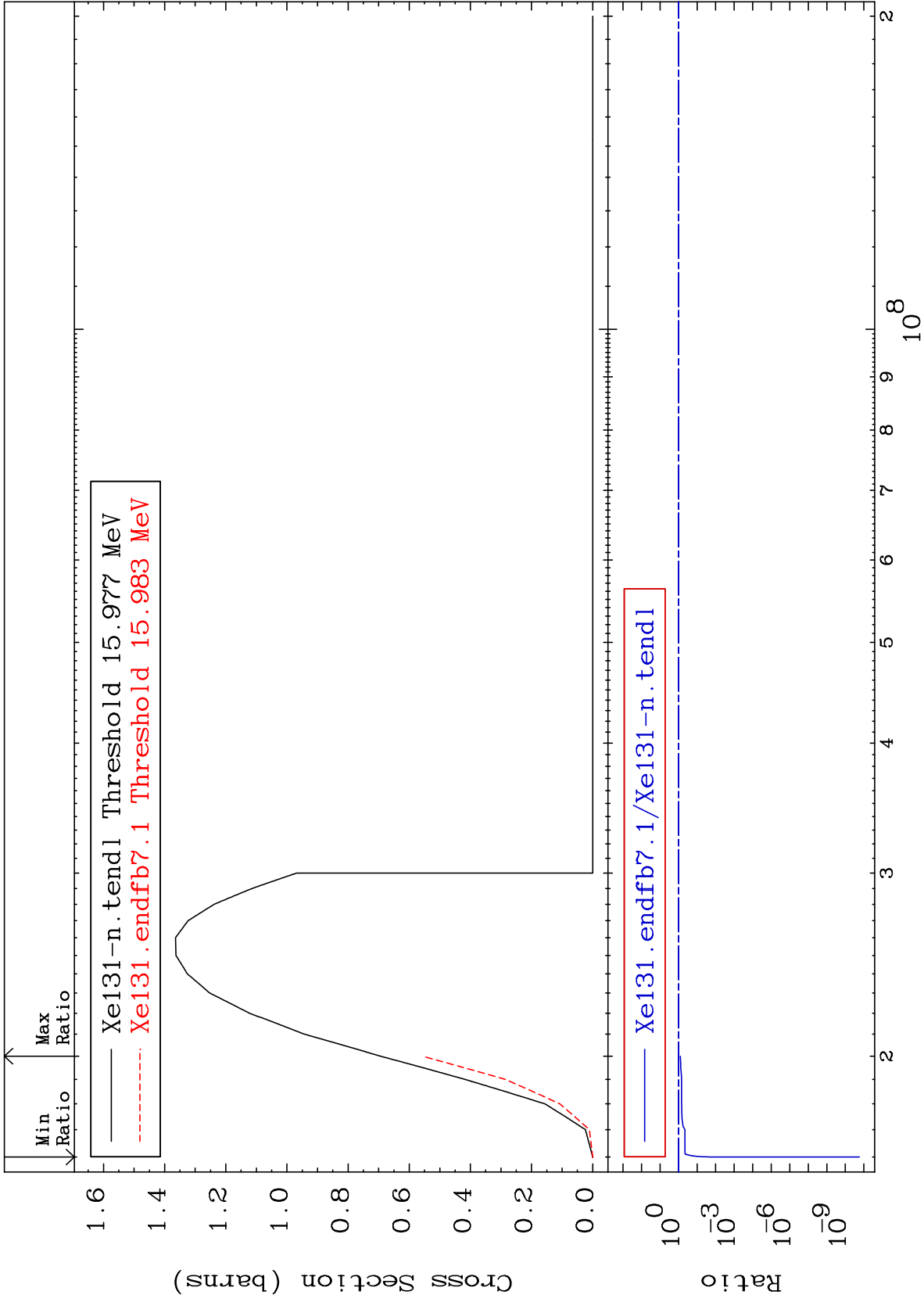
MAT 5446

(n,3n)

54-Xe-131

Cross Section

-100.0 To -19.76%



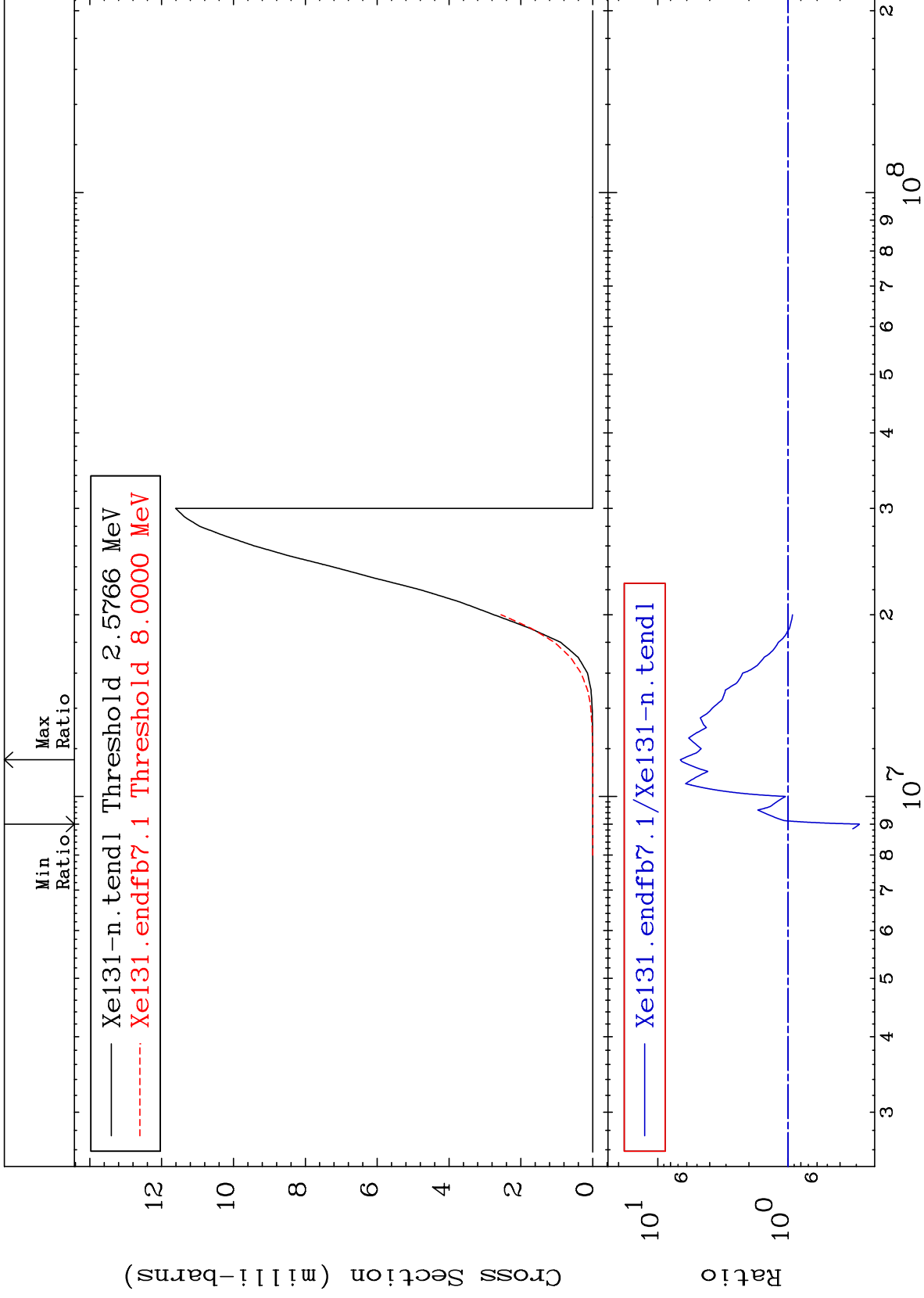
MAT 5446

(n, n') α

54-Xe-131

Cross Section

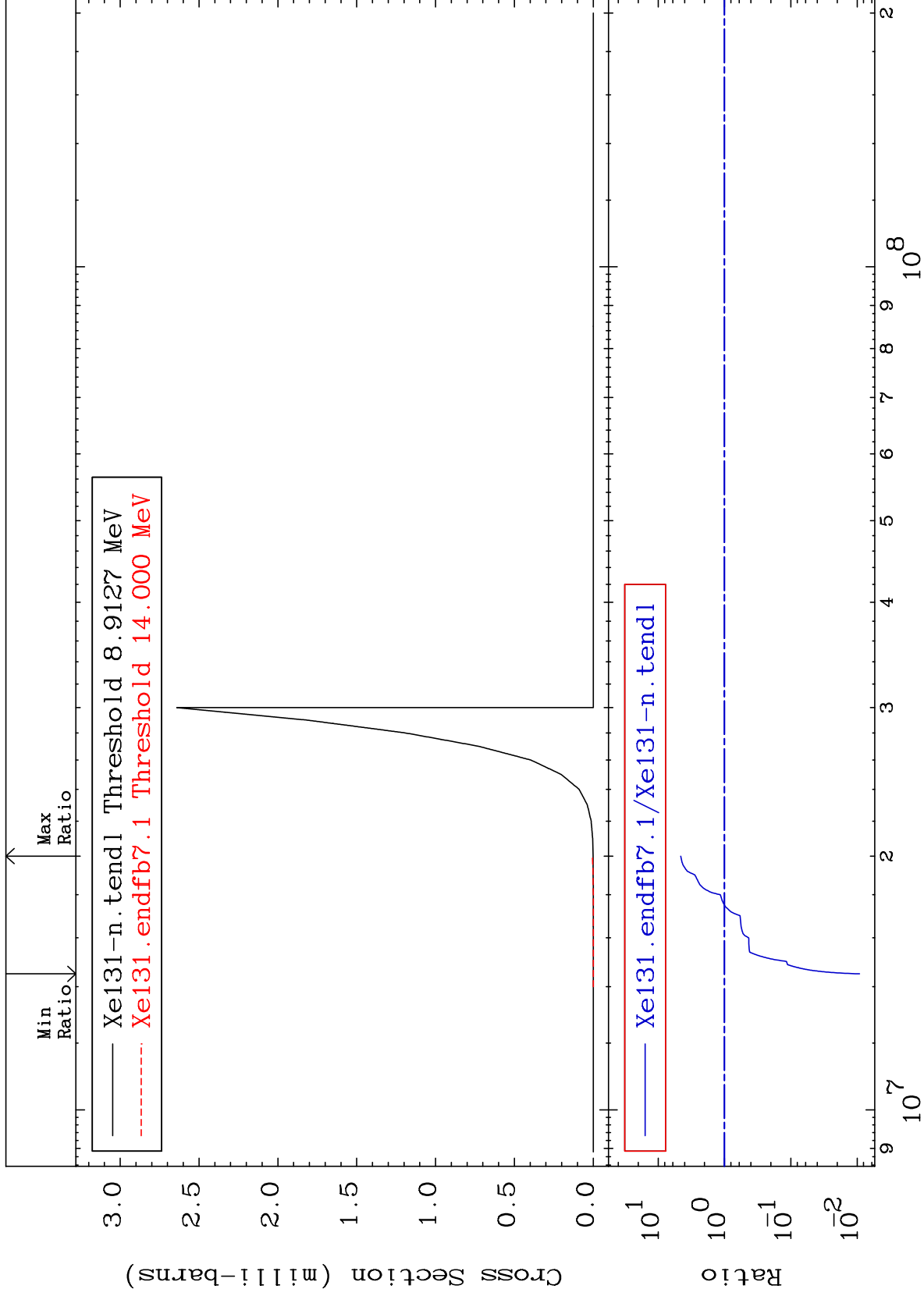
-71.60 To 571.1 %



MAT 5446

(n,2n) α
Cross Section

54-Xe-131
-99.08 To 356.7 %



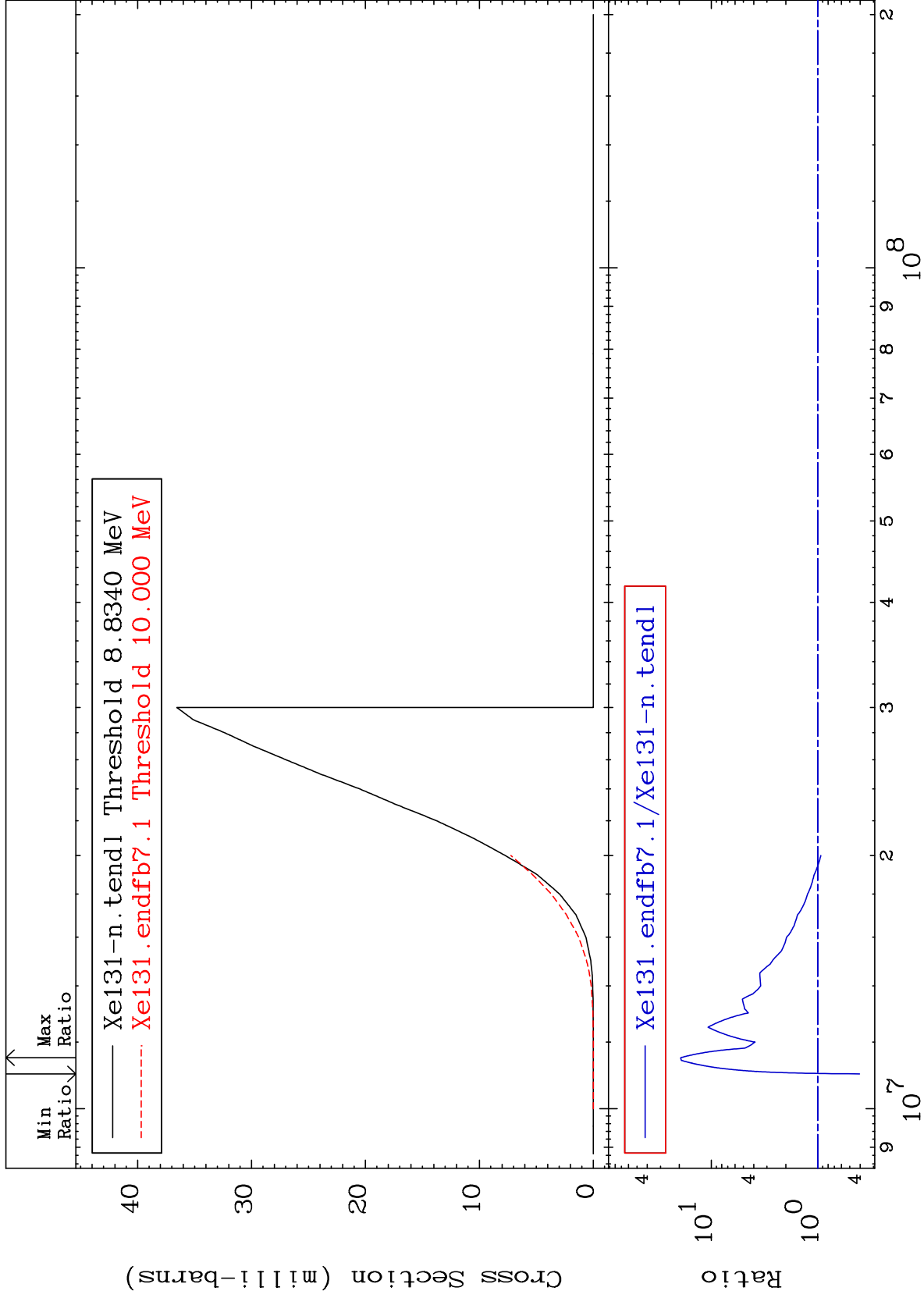
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,n') p
Cross Section

54-Xe-131
-59.48 To 1838. %



8

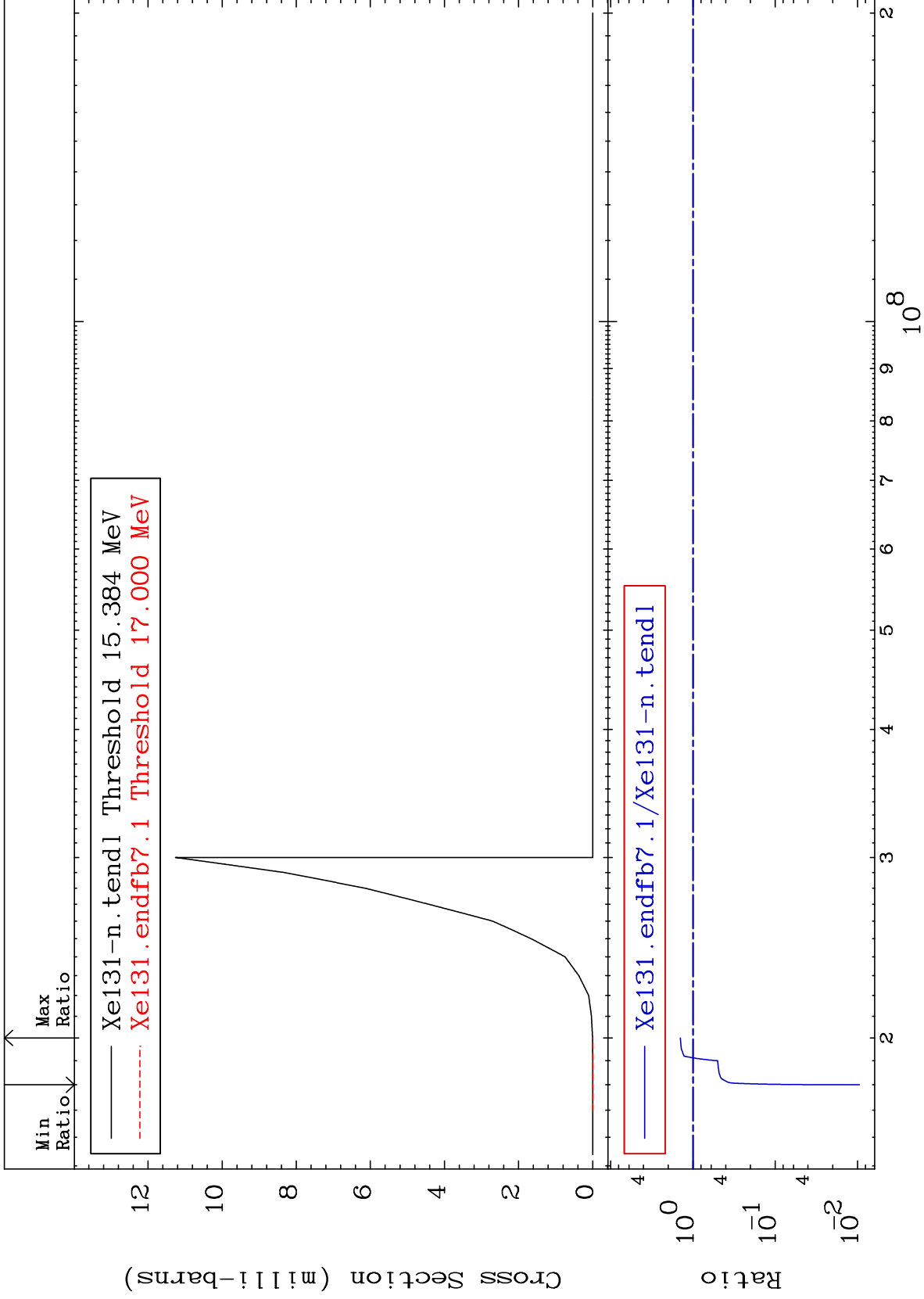
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,2n) p
Cross Section

54-Xe-131
-99.05 To 42.38 %



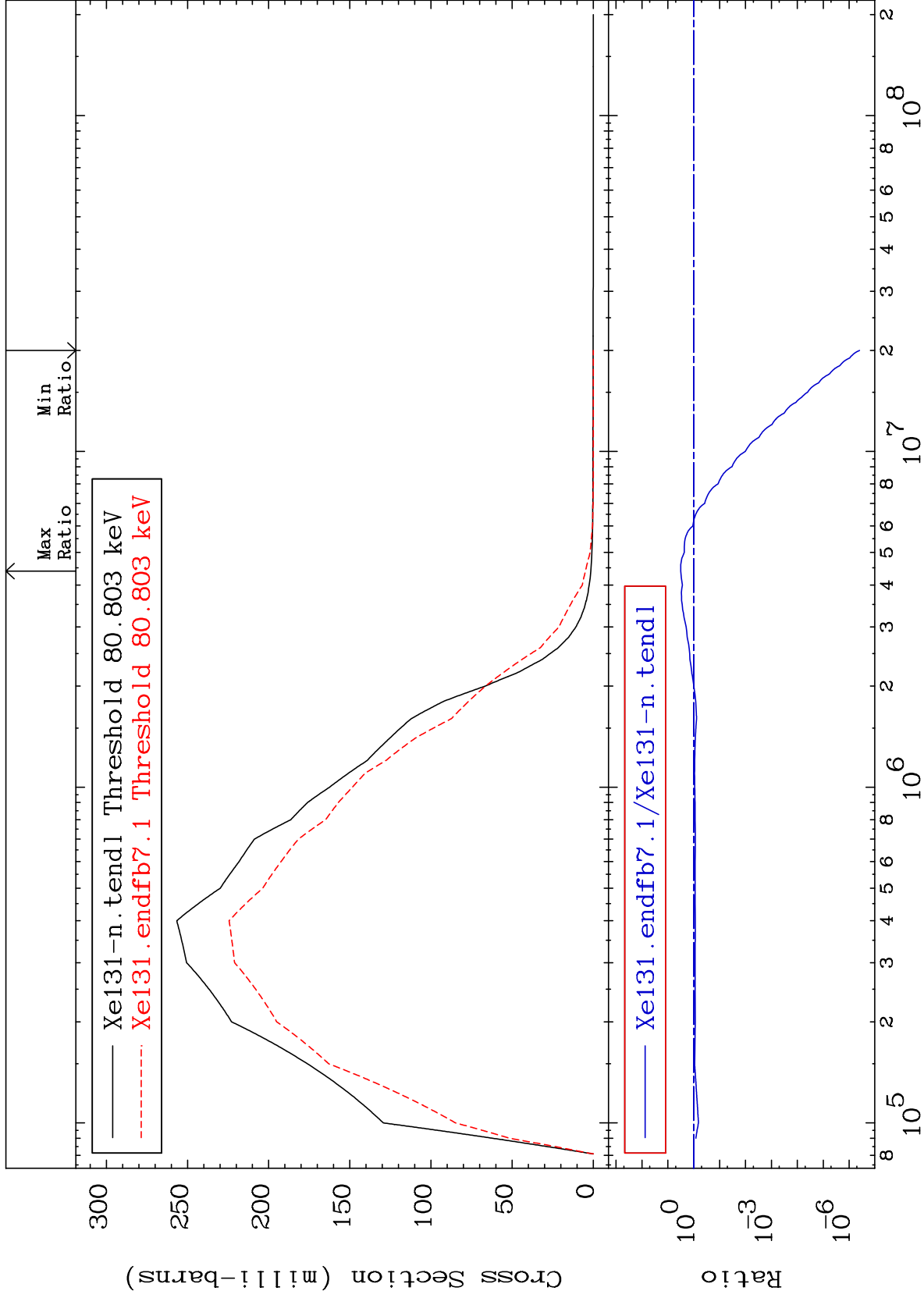
MAT 5446

80.18 keV (n,n') Level

54-Xe-131

-100.0 To 216.6 %

Cross Section



10

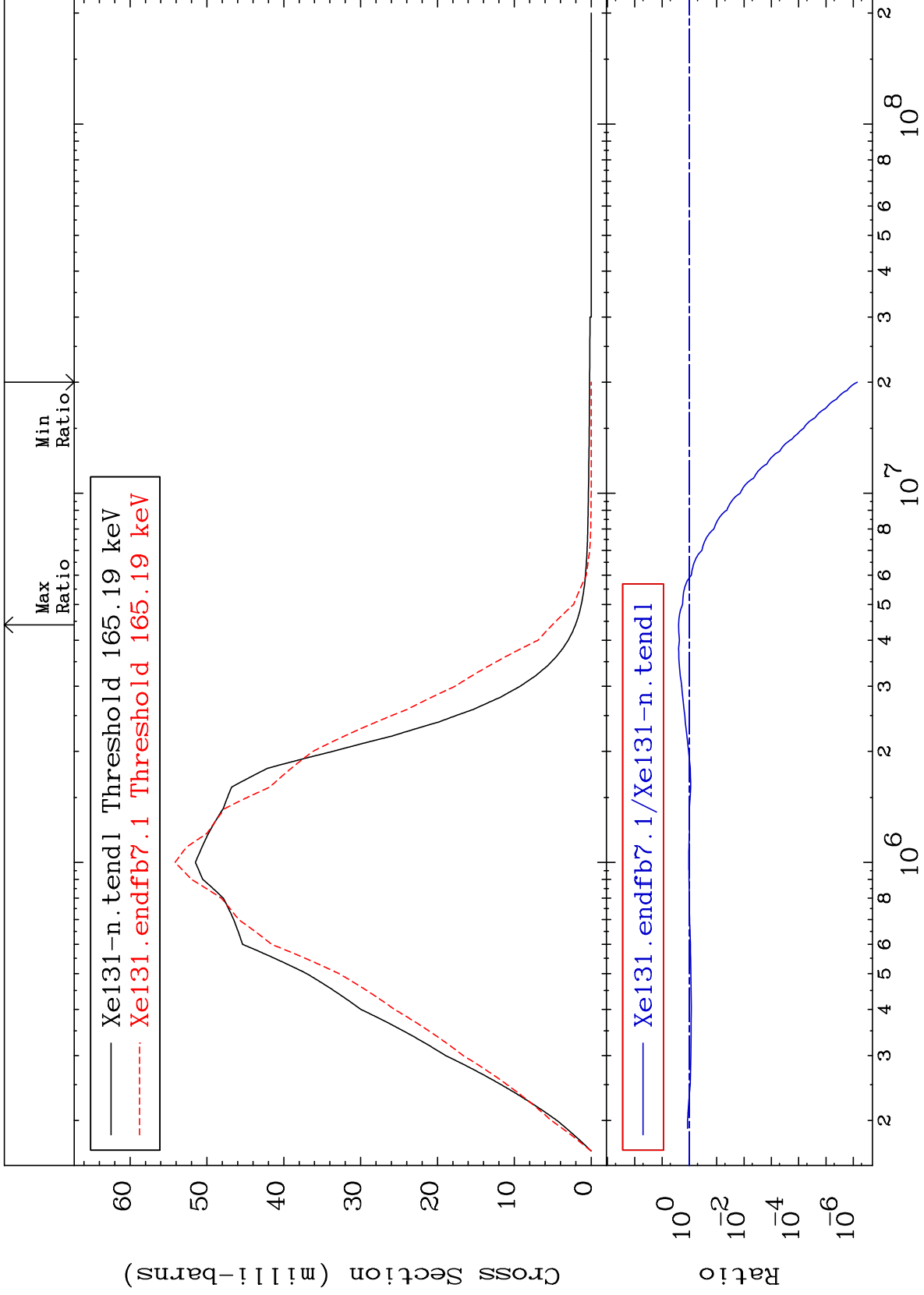
Incident Energy (eV)

54-Xe-131

MAT 5446

163.9 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To 147.2 %



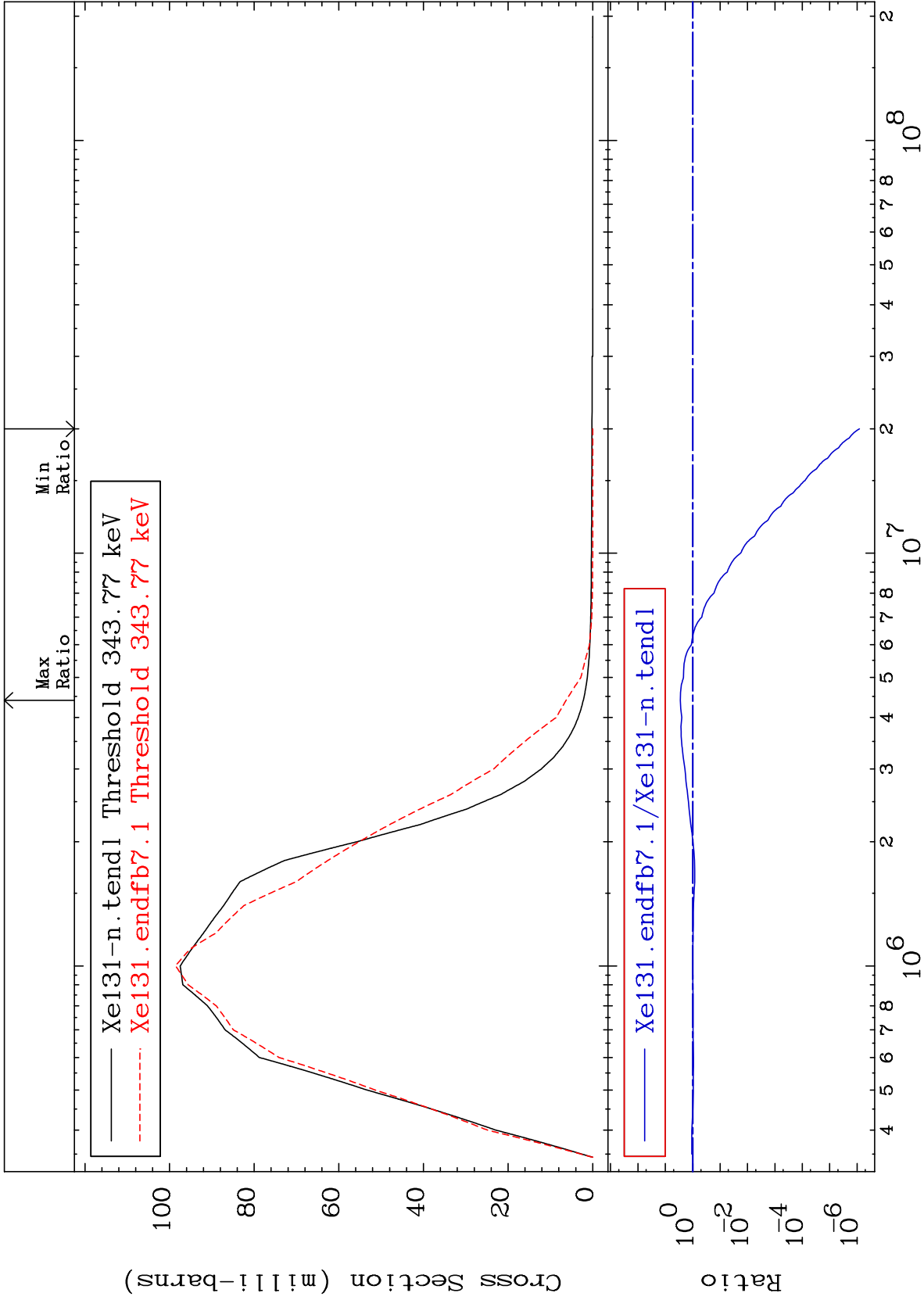
MAT 5446

341.1 keV (n,n') Level

54-Xe-131

-100.0 To 182.9 %

Cross Section



12

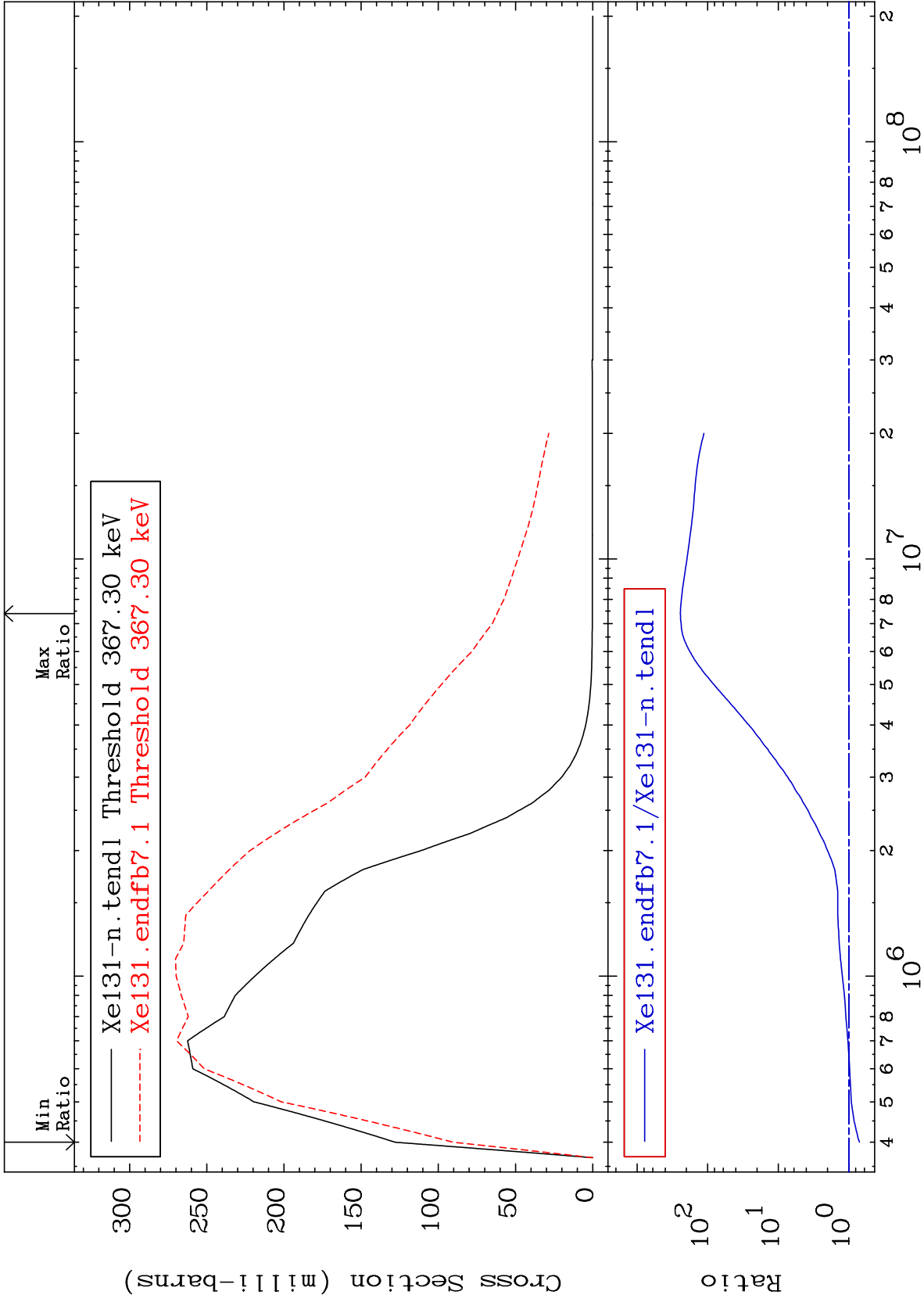
Incident Energy (eV)

54-Xe-131

MAT 5446

364.5 keV (n,n') Level
Cross Section

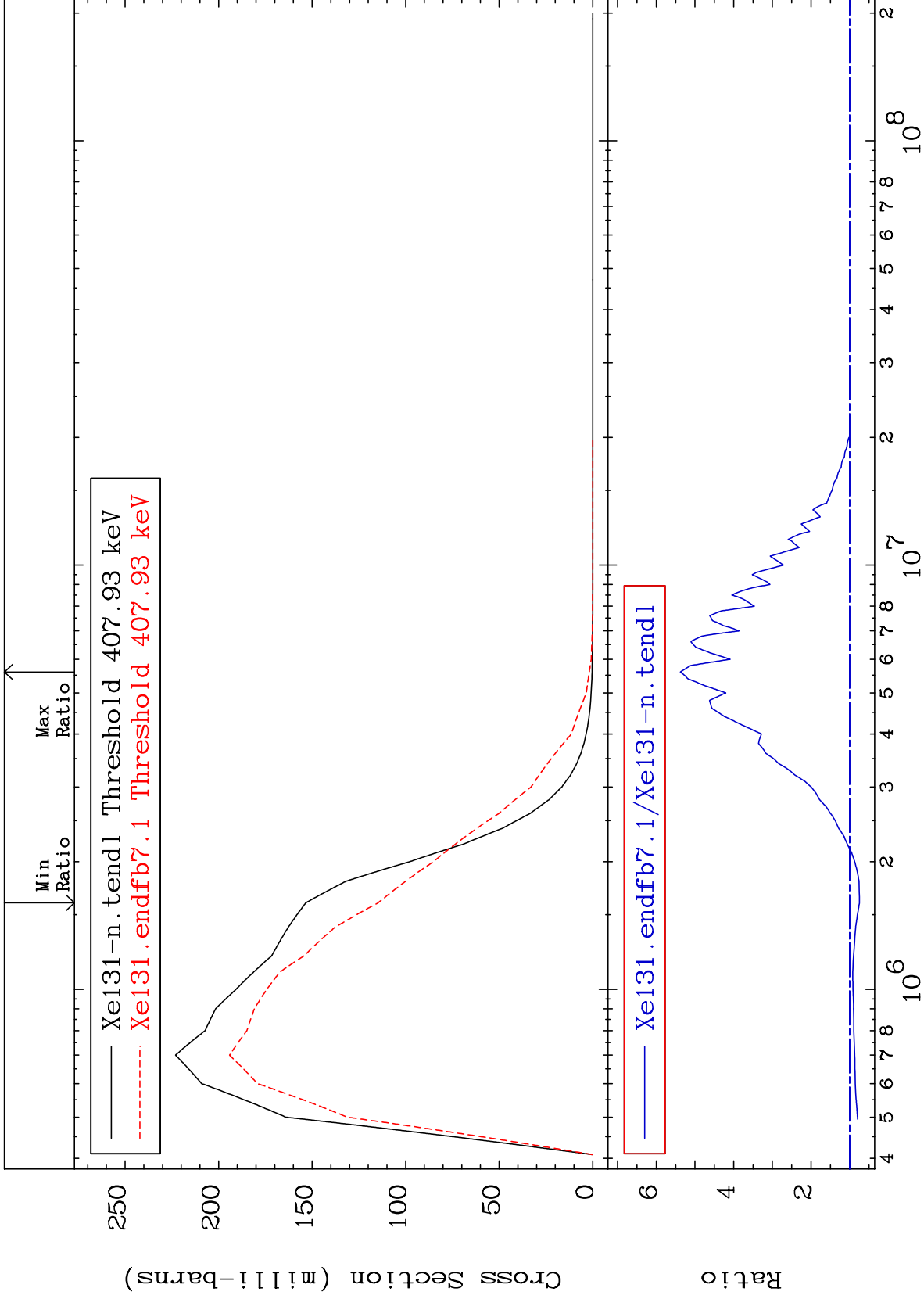
54-Xe-131
-29.43 To 9999. %



MAT 5446

404.8 keV (n,n') Level
Cross Section

54-Xe-131
-25.21 To 437.8 %



14

Incident Energy (eV)

54-Xe-131

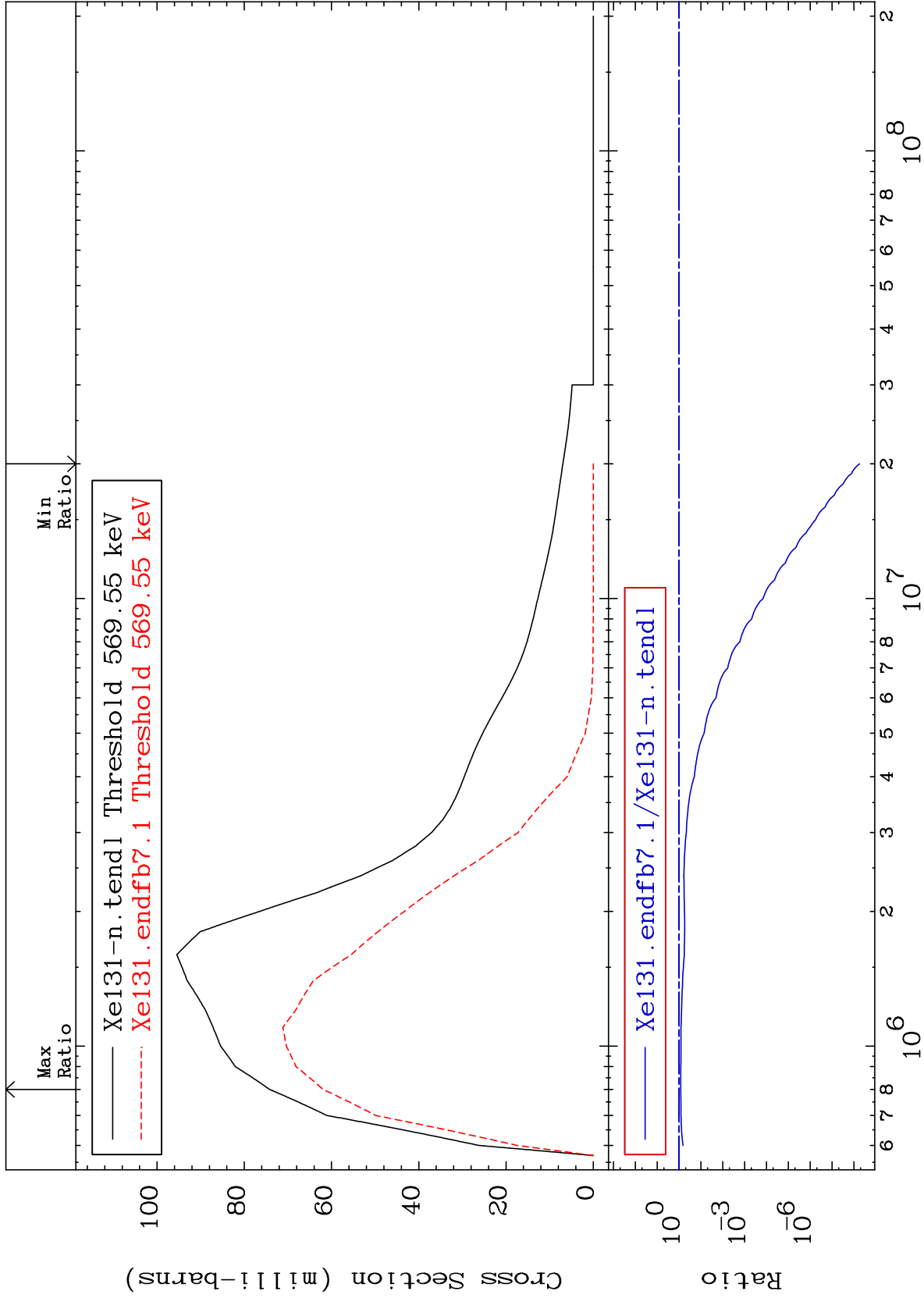
MAT 5446

565.2 keV (n,n') Level

54-Xe-131

-100.0 To -16.50%

Cross Section



15

Incident Energy (eV)

54-Xe-131

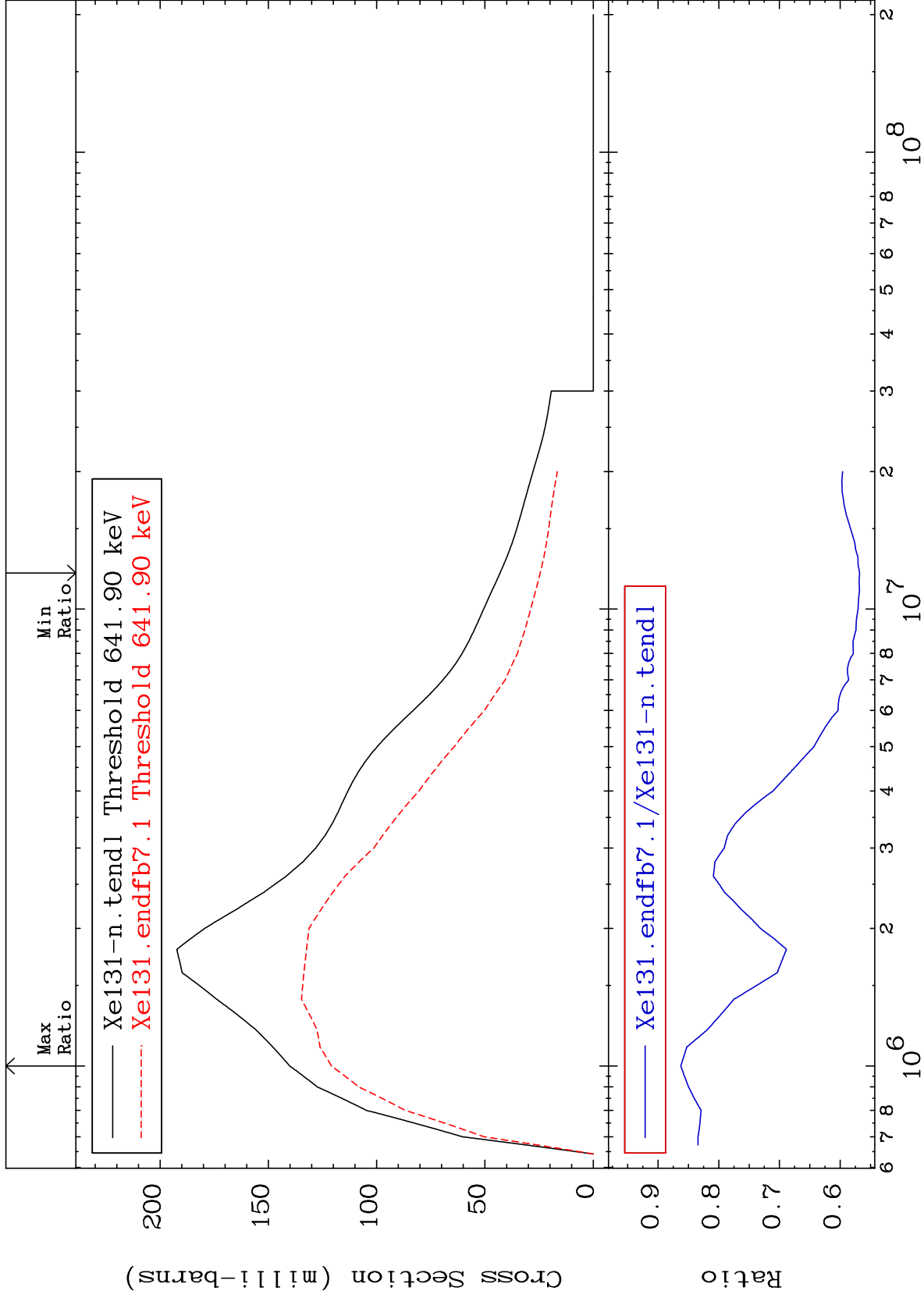
MAT 5446

637.0 keV (n,n') Level

54-Xe-131

-43.18 To -13.75%

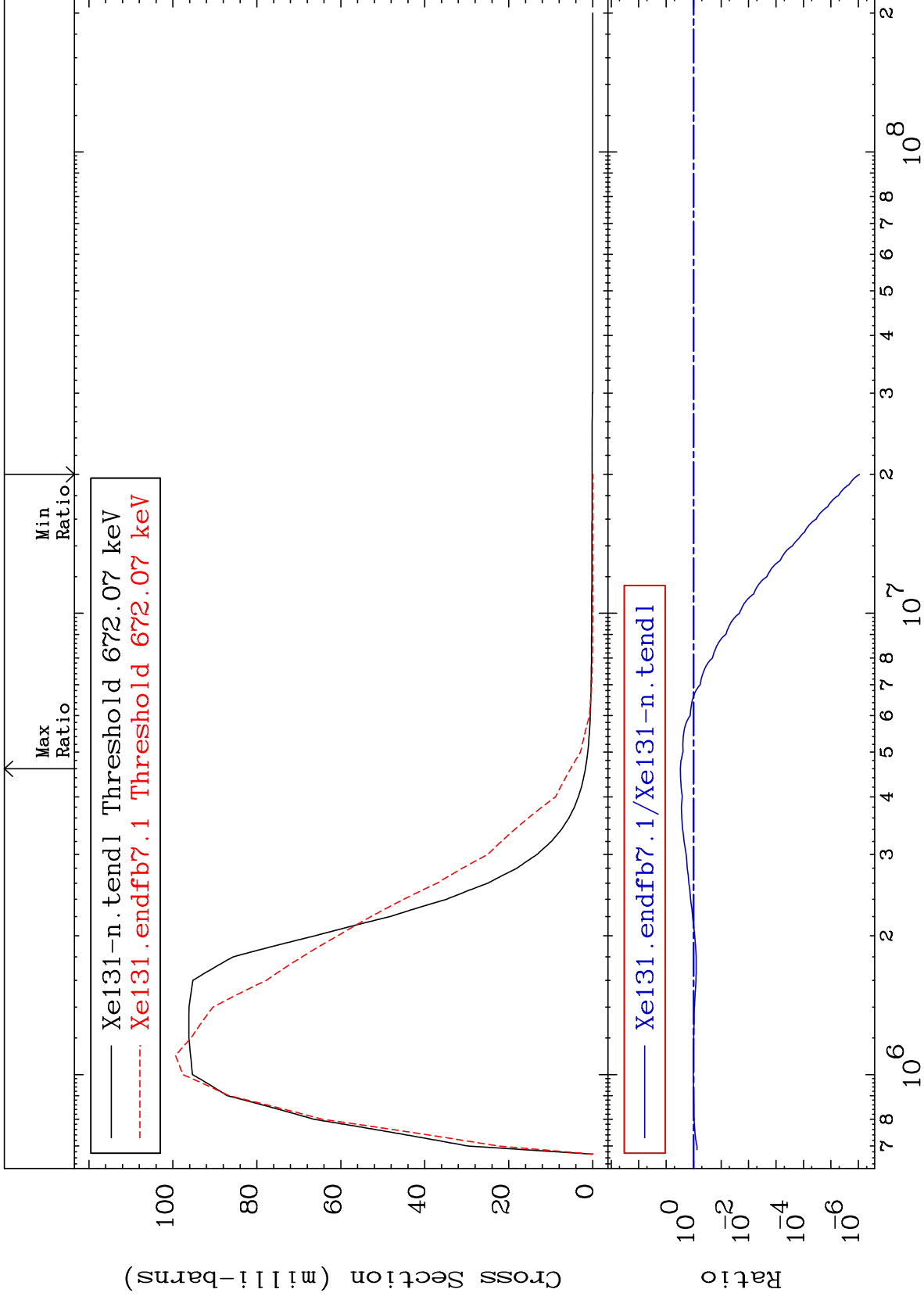
Cross Section



MAT 5446

666.9 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To 204.0 %



17

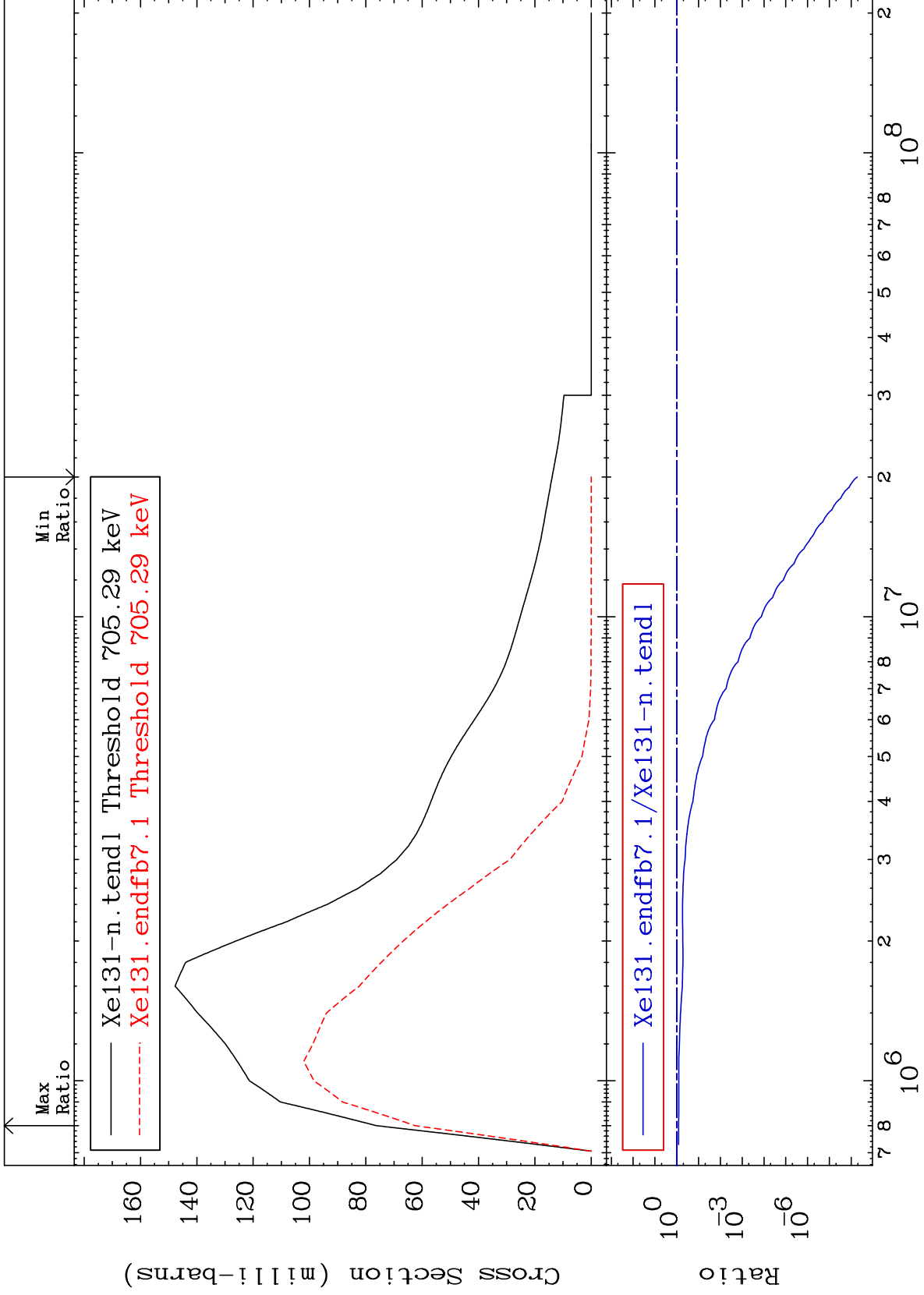
Incident Energy (eV)

54-Xe-131

MAT 5446

699.9 keV (n,n') Level
Cross Section

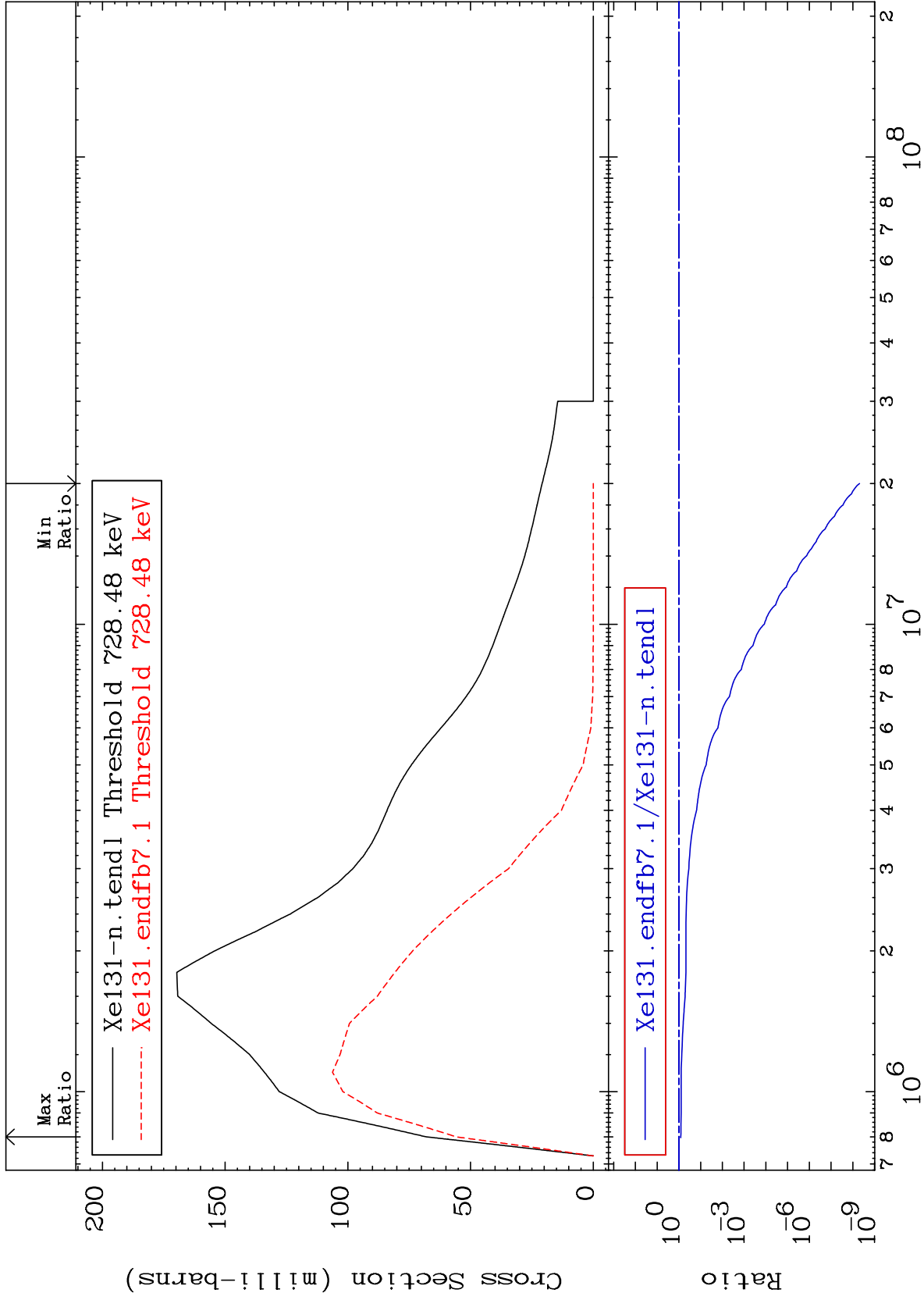
54-Xe-131
-100.0 To -18.06%



MAT 5446

722.9 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To -17.97%



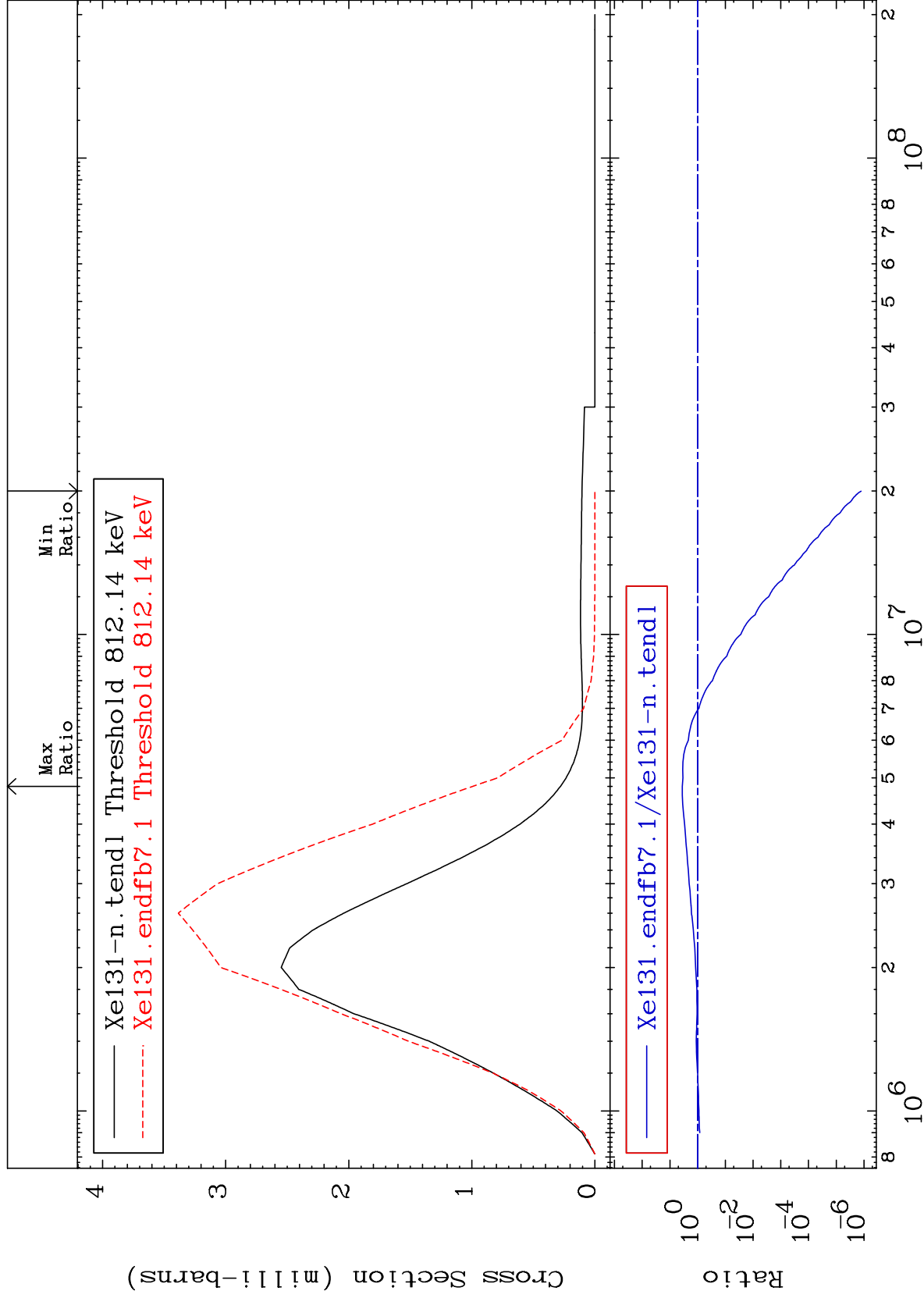
MAT 5446

805.9 keV (n,n') Level

54-Xe-131

-100.0 To 256.3 %

Cross Section



20

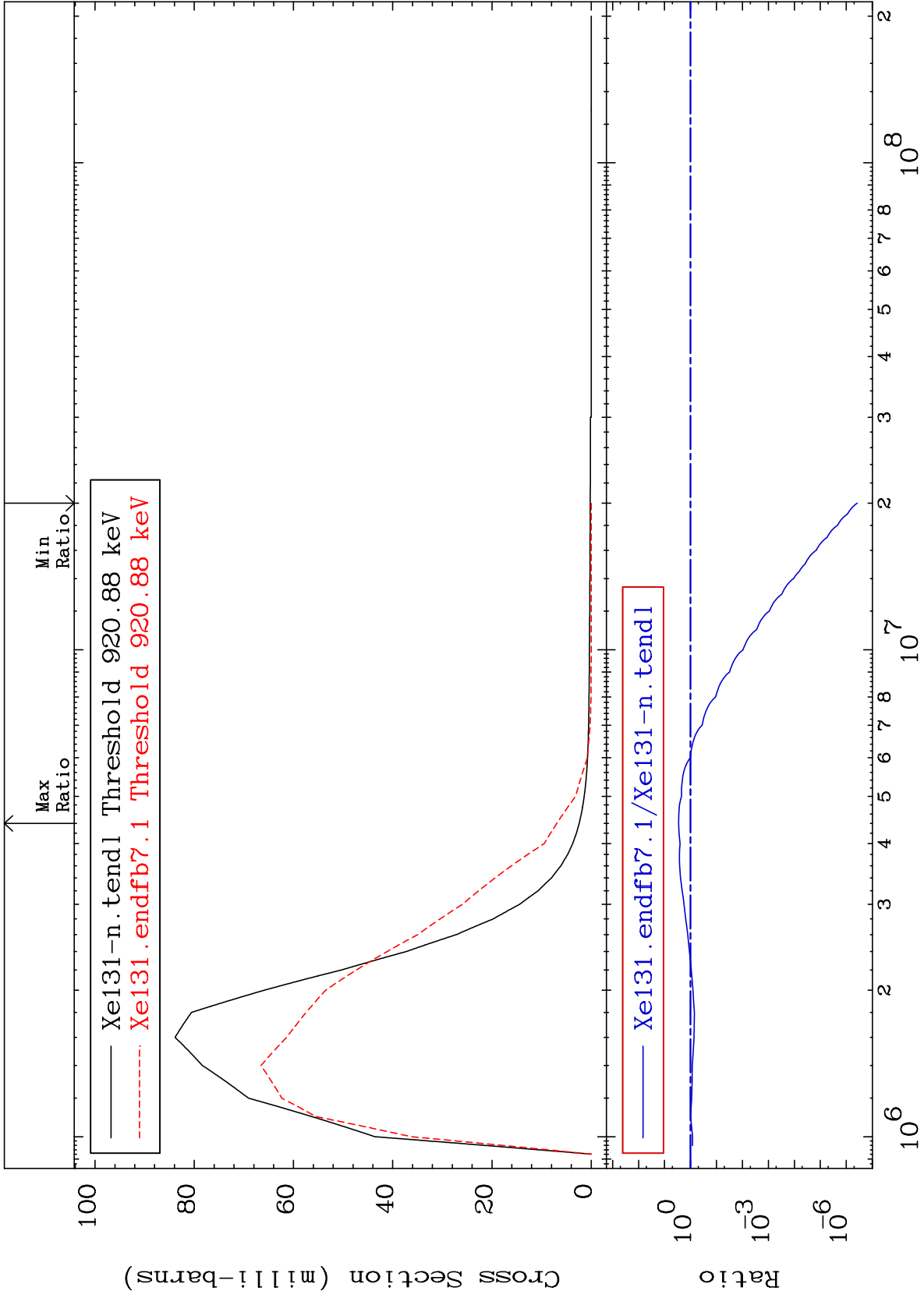
Incident Energy (eV)

54-Xe-131

MAT 5446

913.8 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To 186.7 %



21

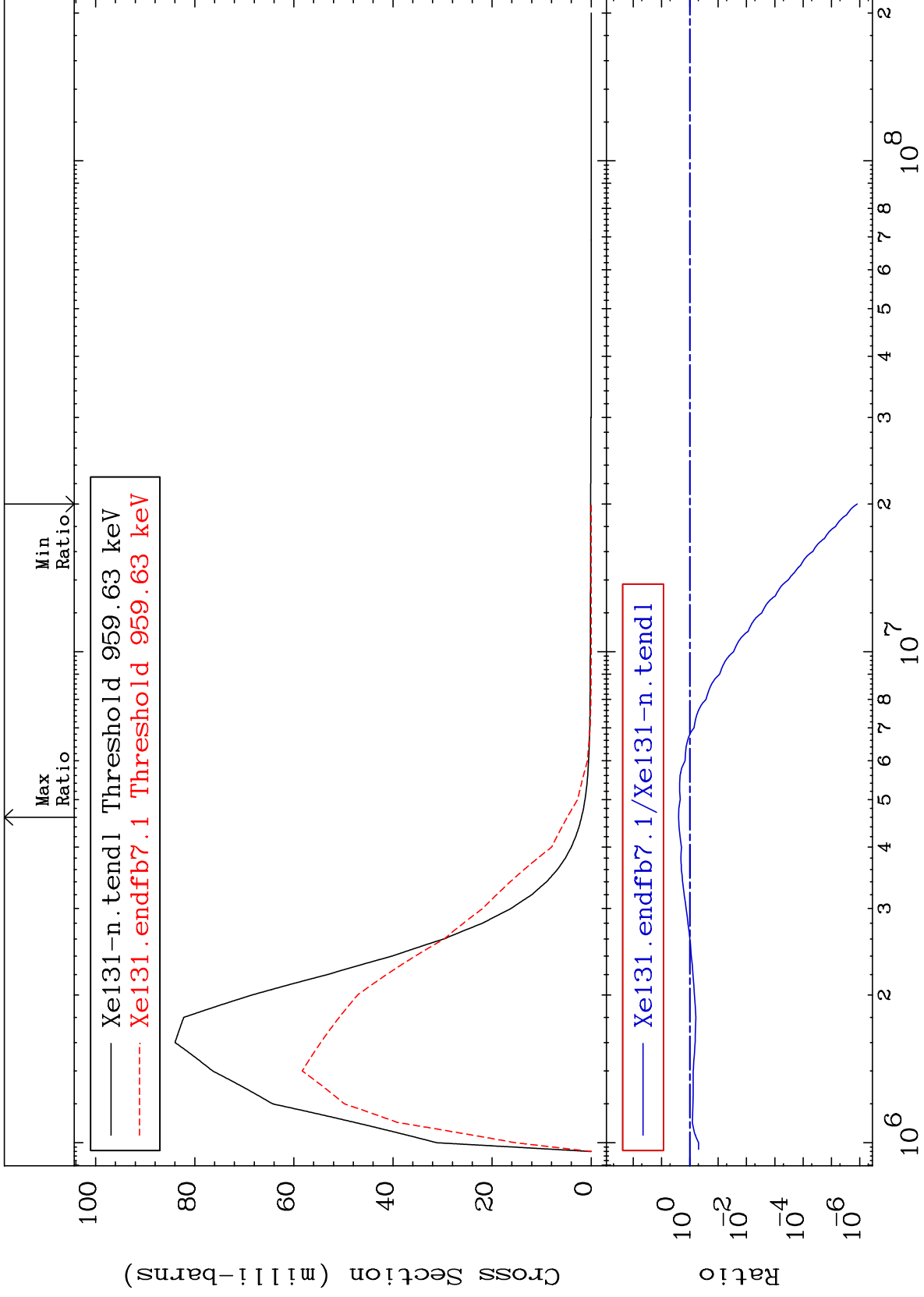
Incident Energy (eV)

54-Xe-131

MAT 5446

952.3 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To 149.1 %



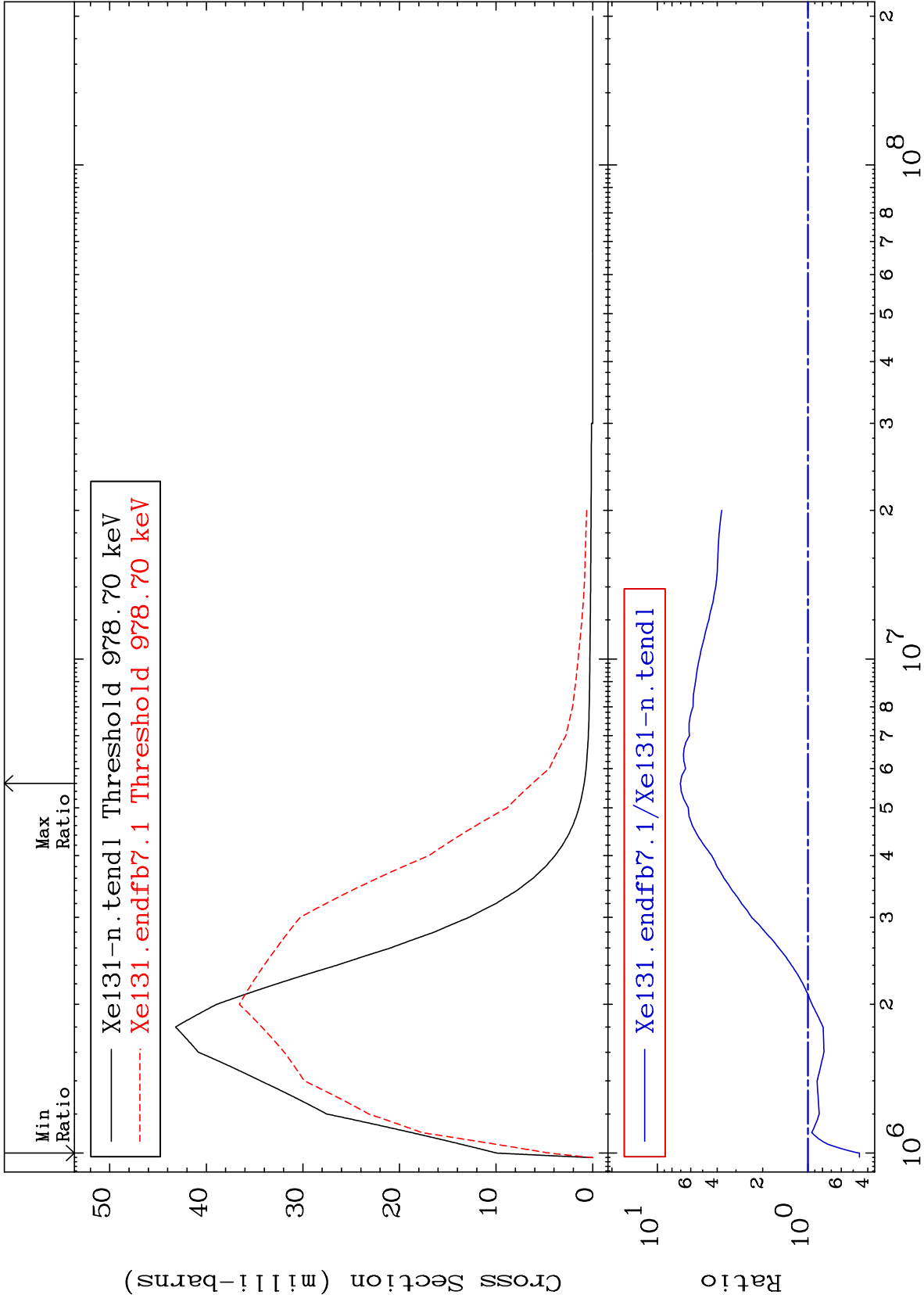
22

54-Xe-131

MAT 5446

971.2 keV (n,n') Level
Cross Section

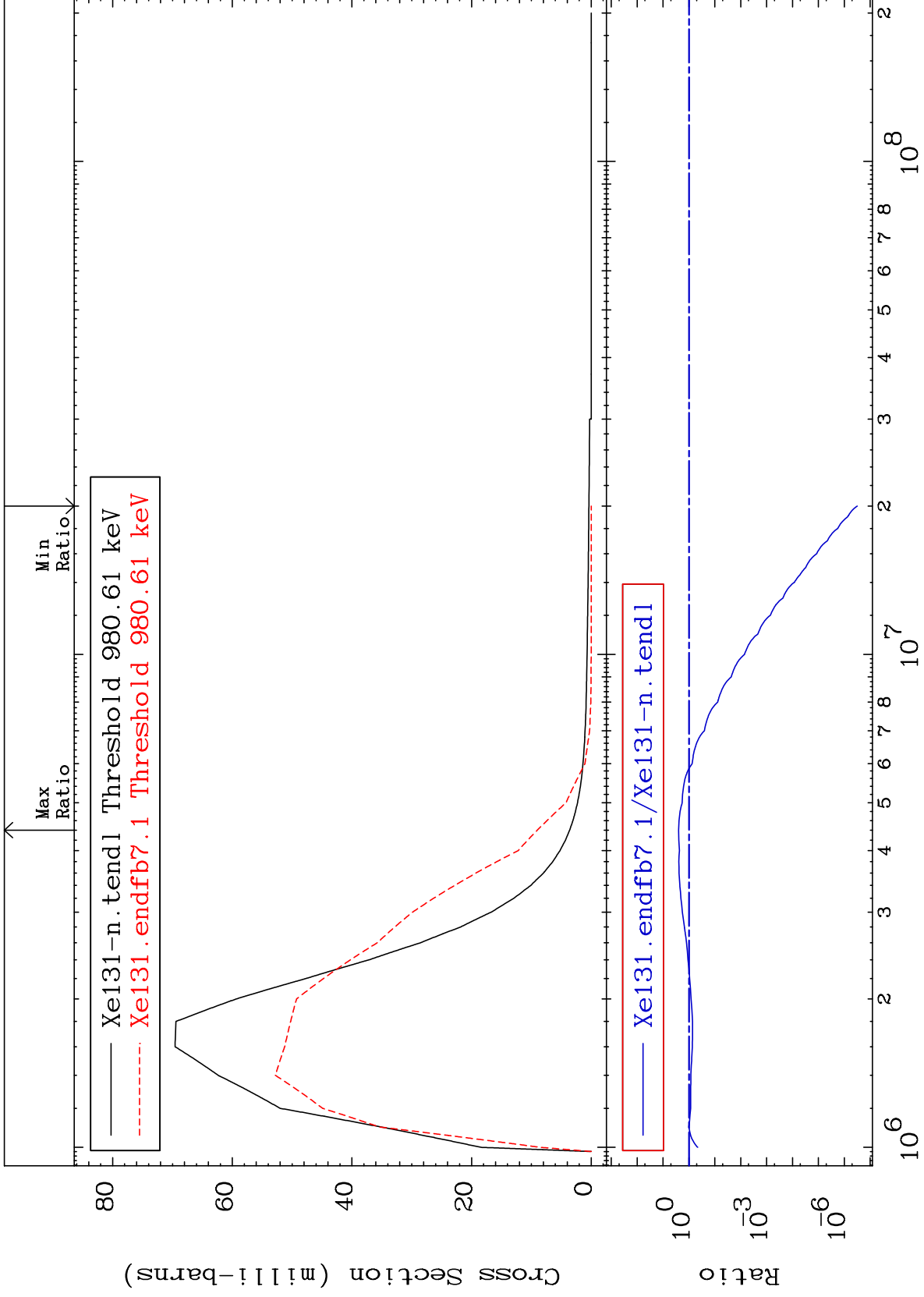
54-Xe-131
-54.51 To 603.3 %



MAT 5446

973.1 keV (n,n') Level
Cross Section

54-Xe-131
-100.0 To 150.2 %



24

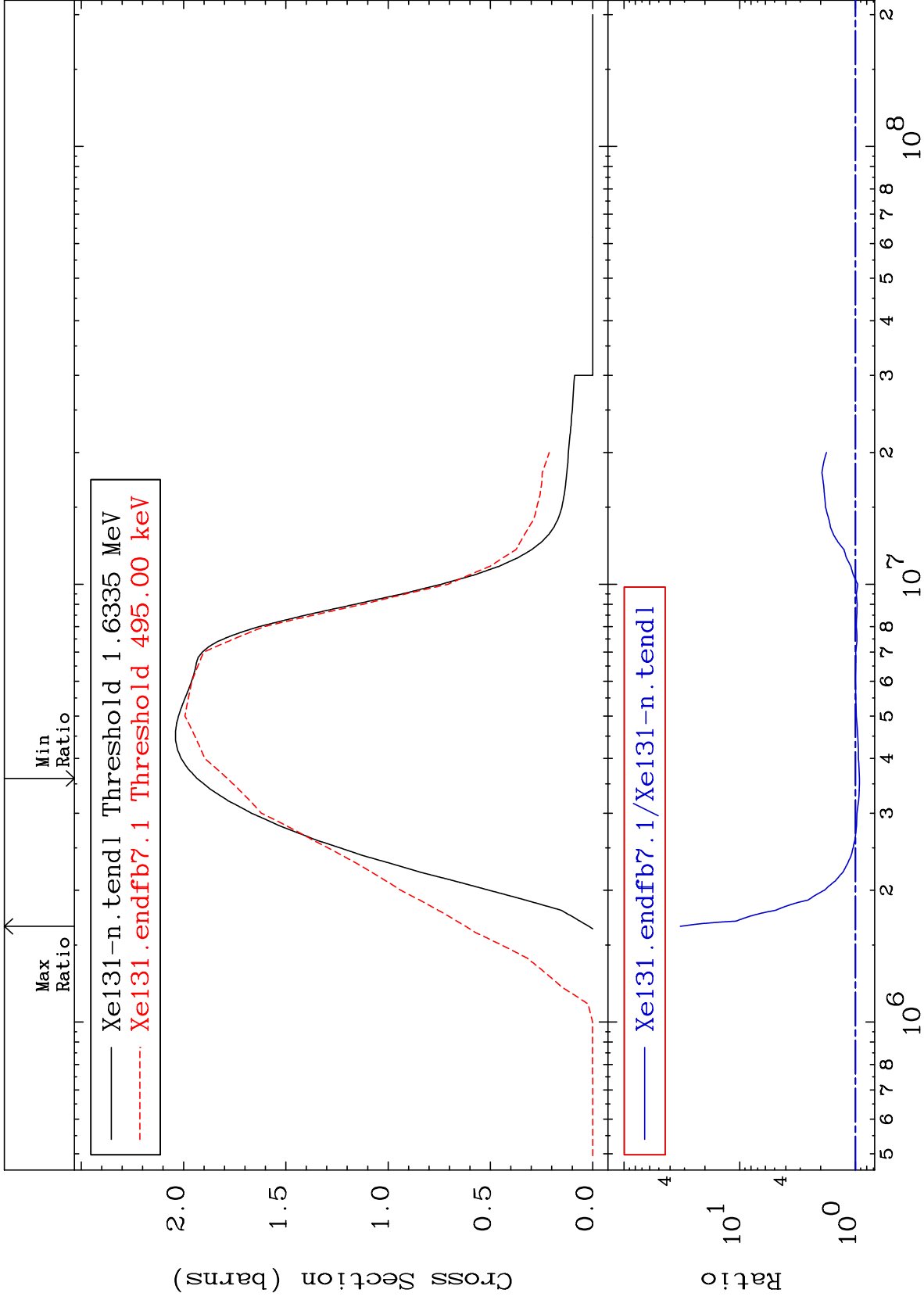
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum
Cross Section

54-Xe-131
-7.648 To 3163. %



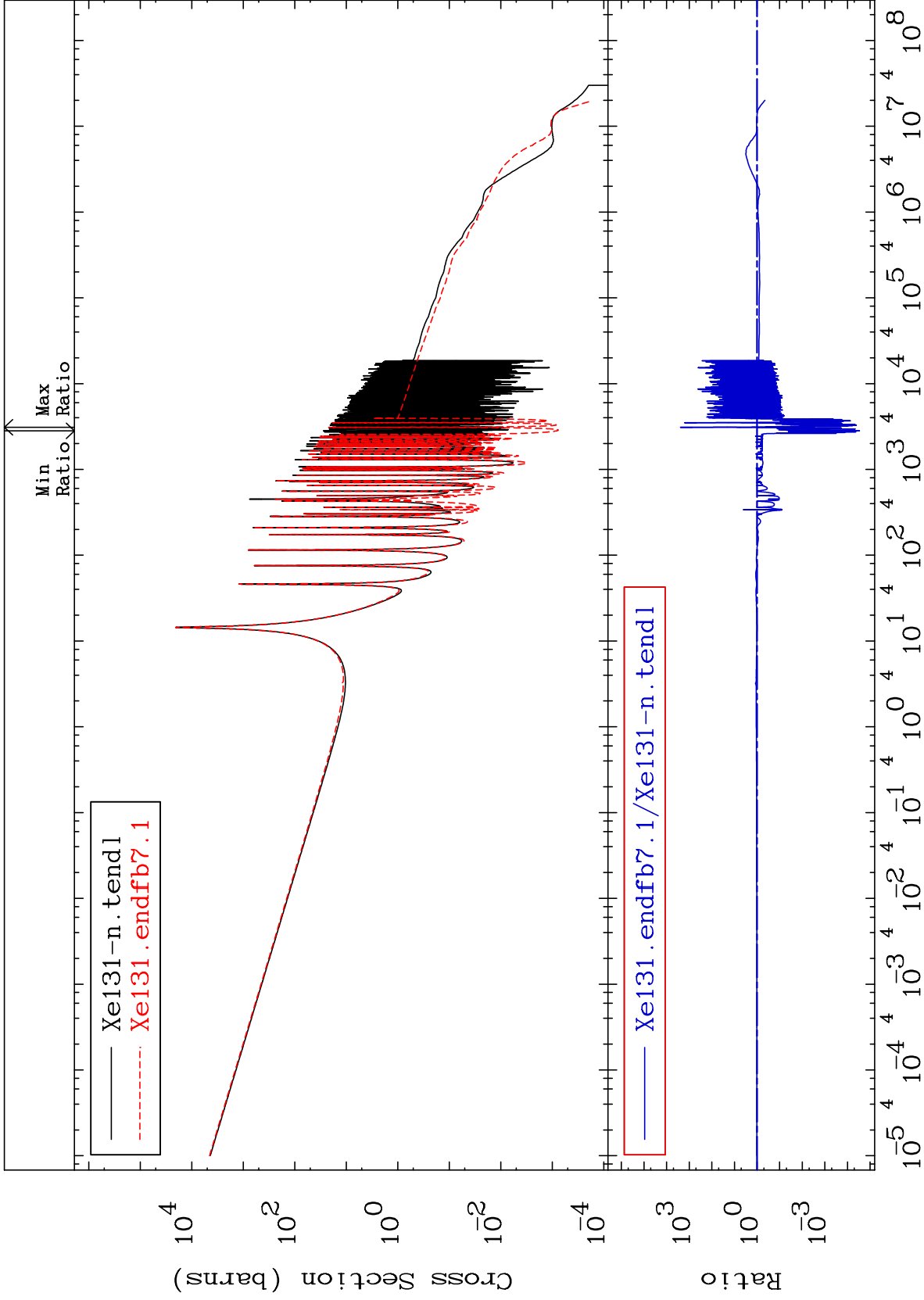
25

54-Xe-131

MAT 5446

(n, γ)
Cross Section

54-Xe-131
-100.0 To 9999. %



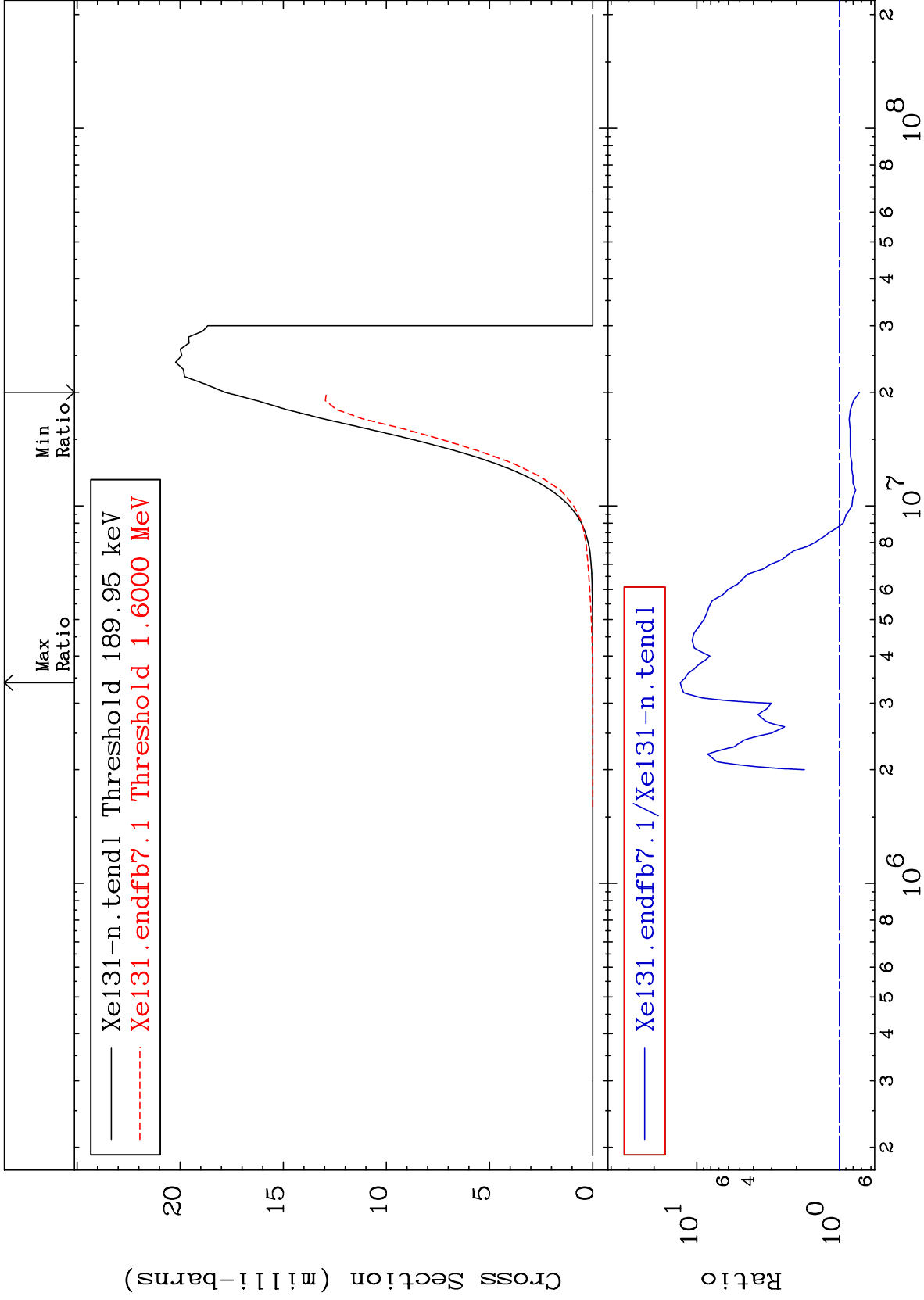
MAT 5446

(n,p)

54-Xe-131

Cross Section

-27.69 To 1206. %



27

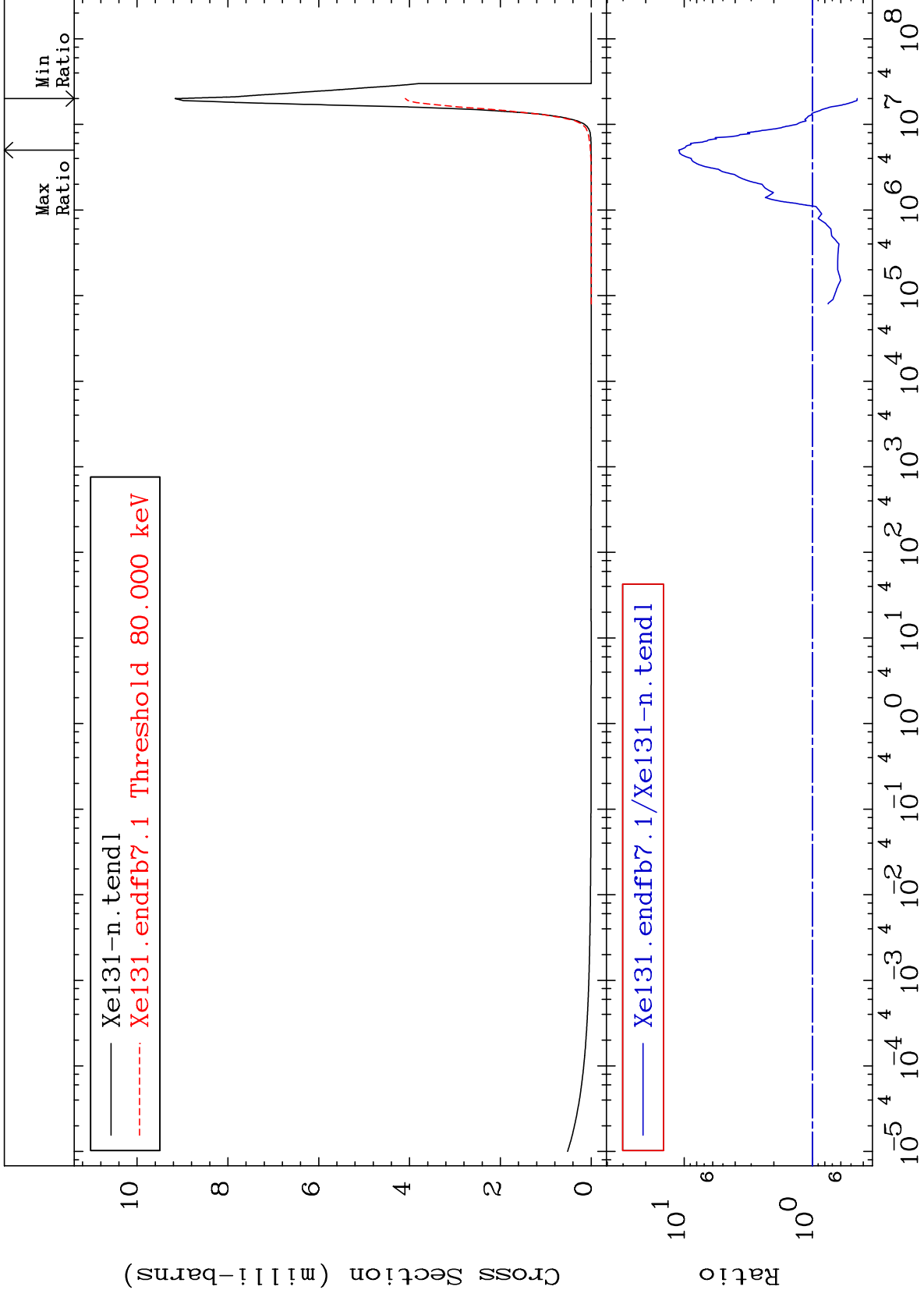
Incident Energy (eV)

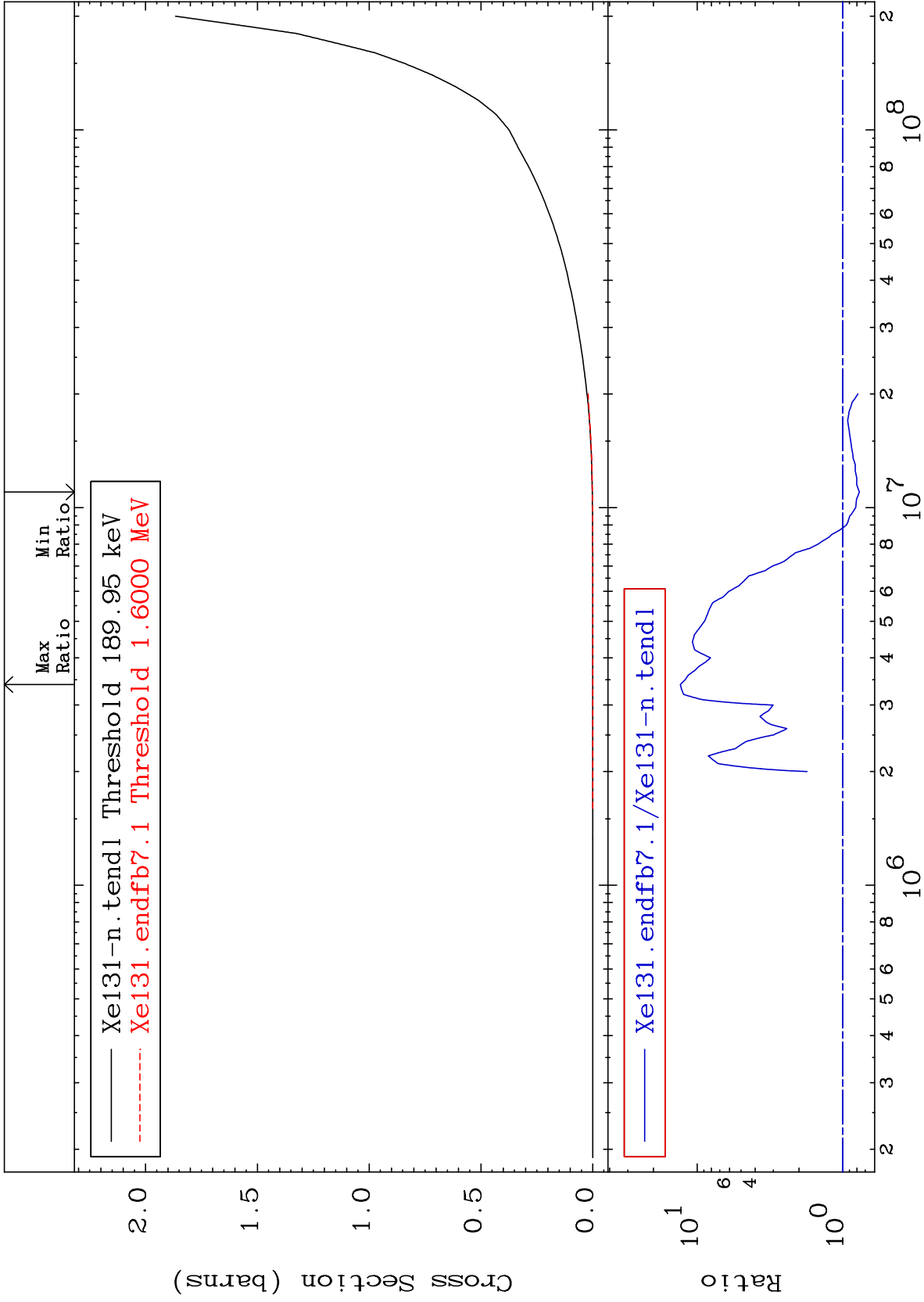
54-Xe-131

MAT 5446

(n, α)
Cross Section

54-Xe-131
-55.36 To 1007. %

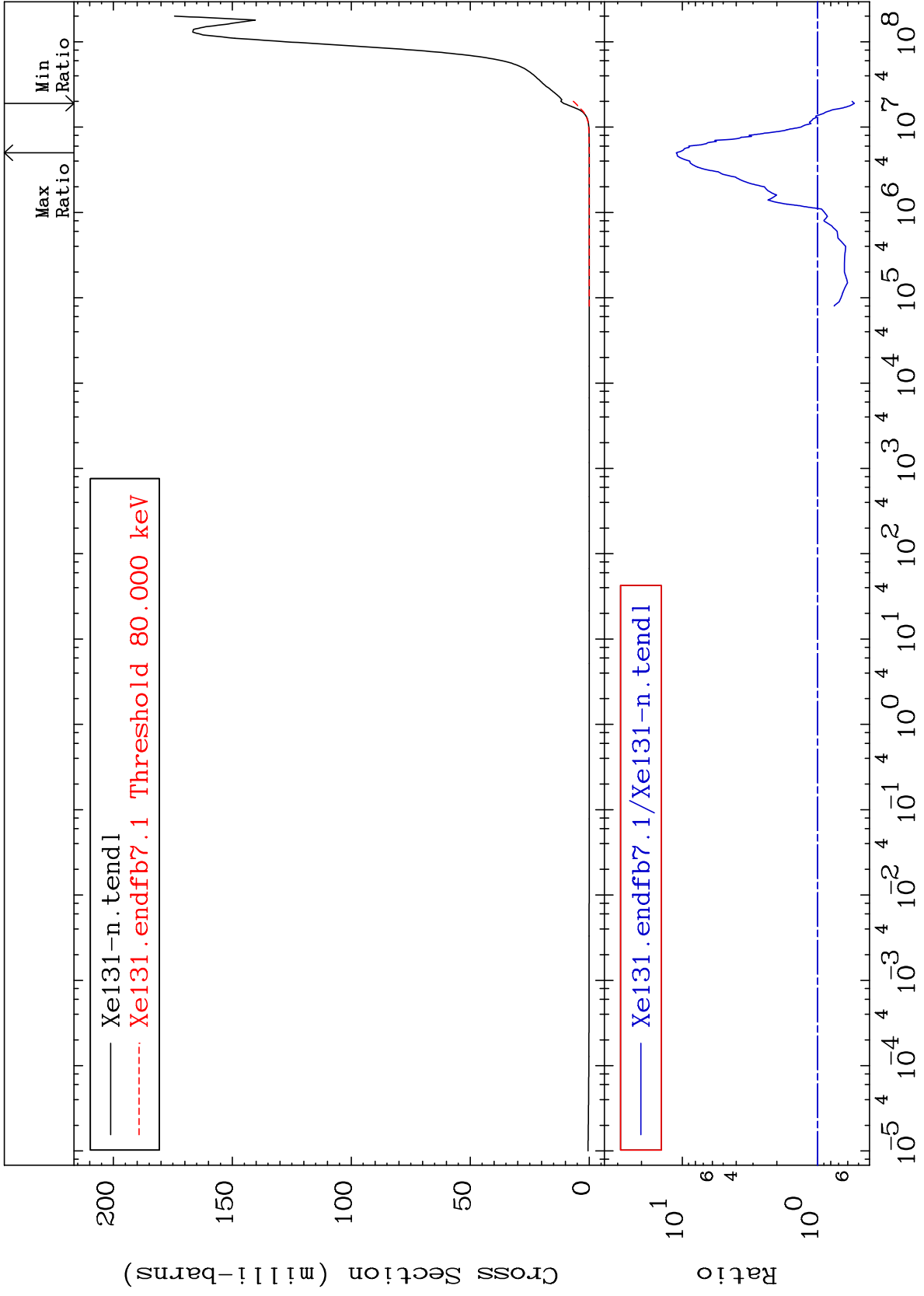




MAT 5446

He-4 Production
Cross Section

54-Xe-131
-46.41 To 1007. %



30

Incident Energy (eV)

54-Xe-131

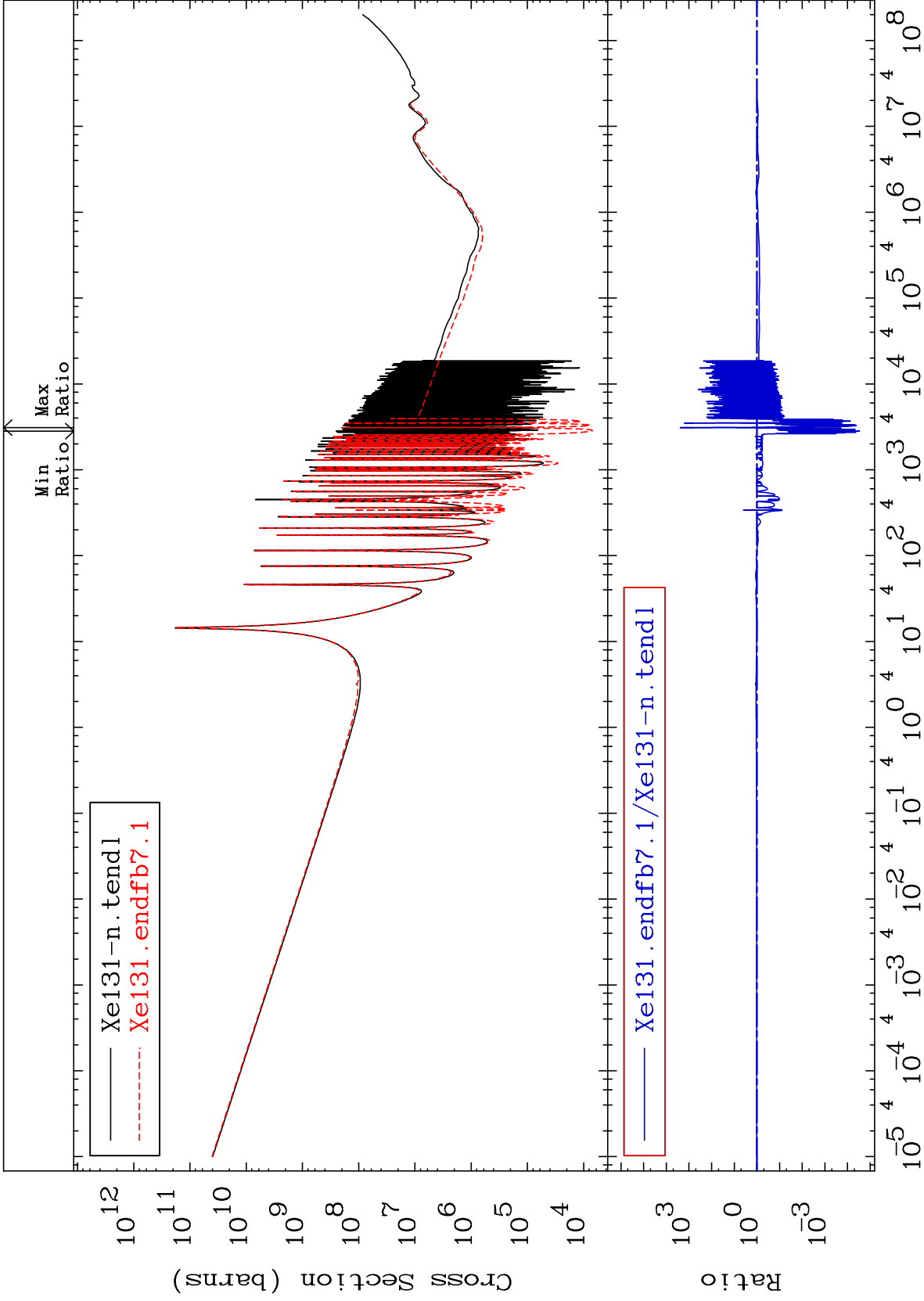
MAT 5446

Kerma total (eV-barns)

54-Xe-131

Cross Section

-100.0 To 9999. %



31

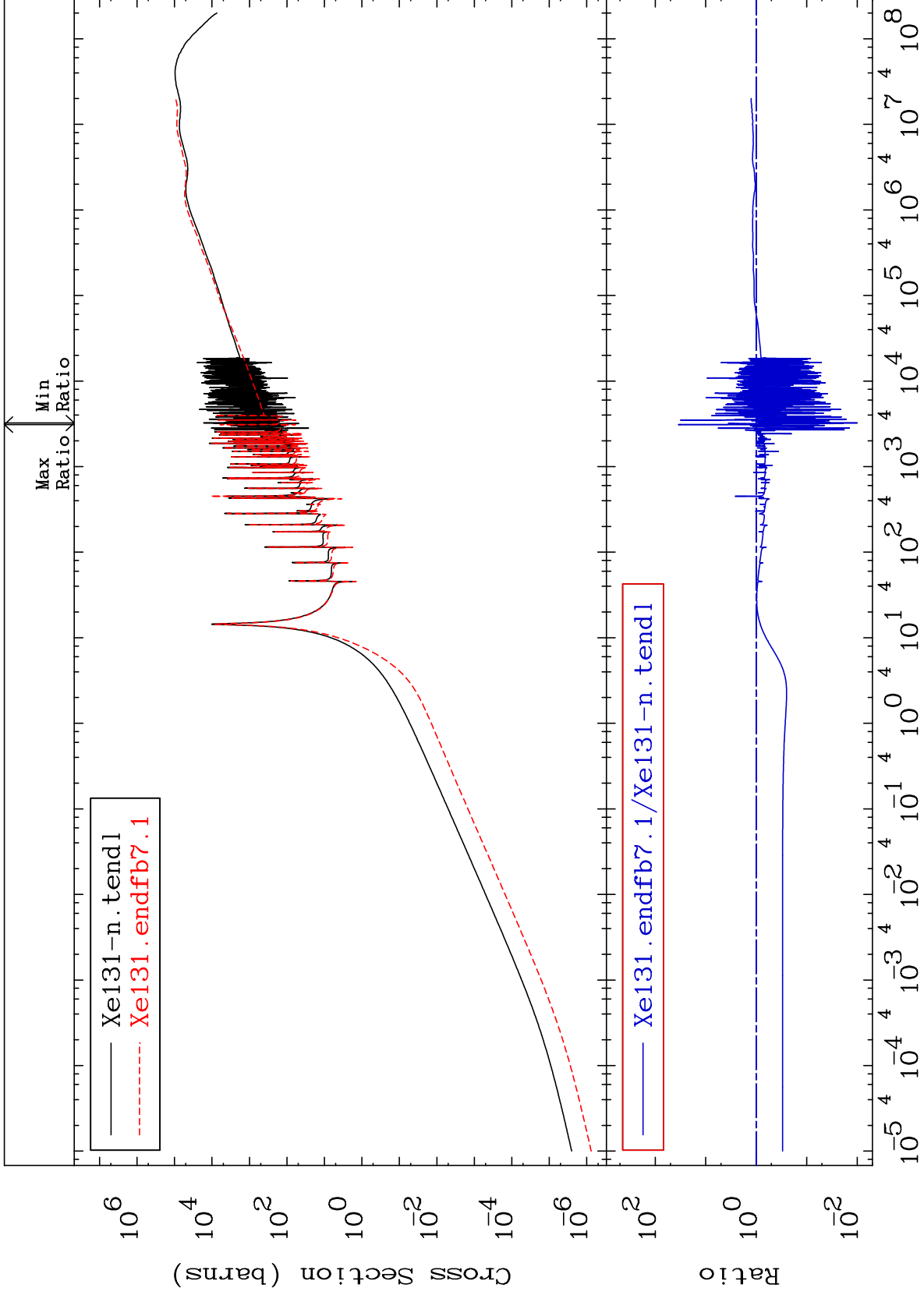
Incident Energy (eV)

54-Xe-131

MAT 5446

Kerma elastic
Cross Section

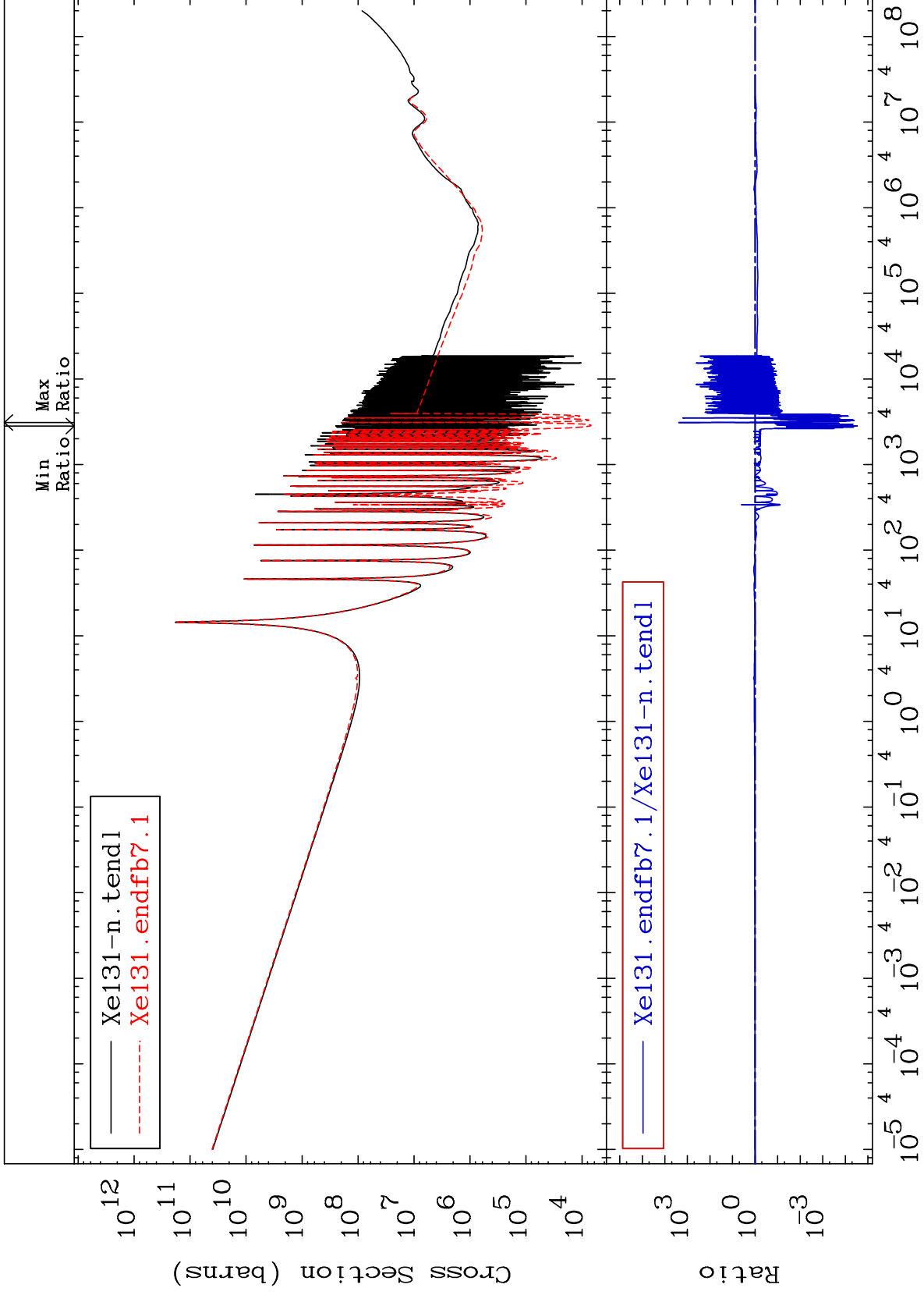
54-Xe-131
-99.00 To 3340. %

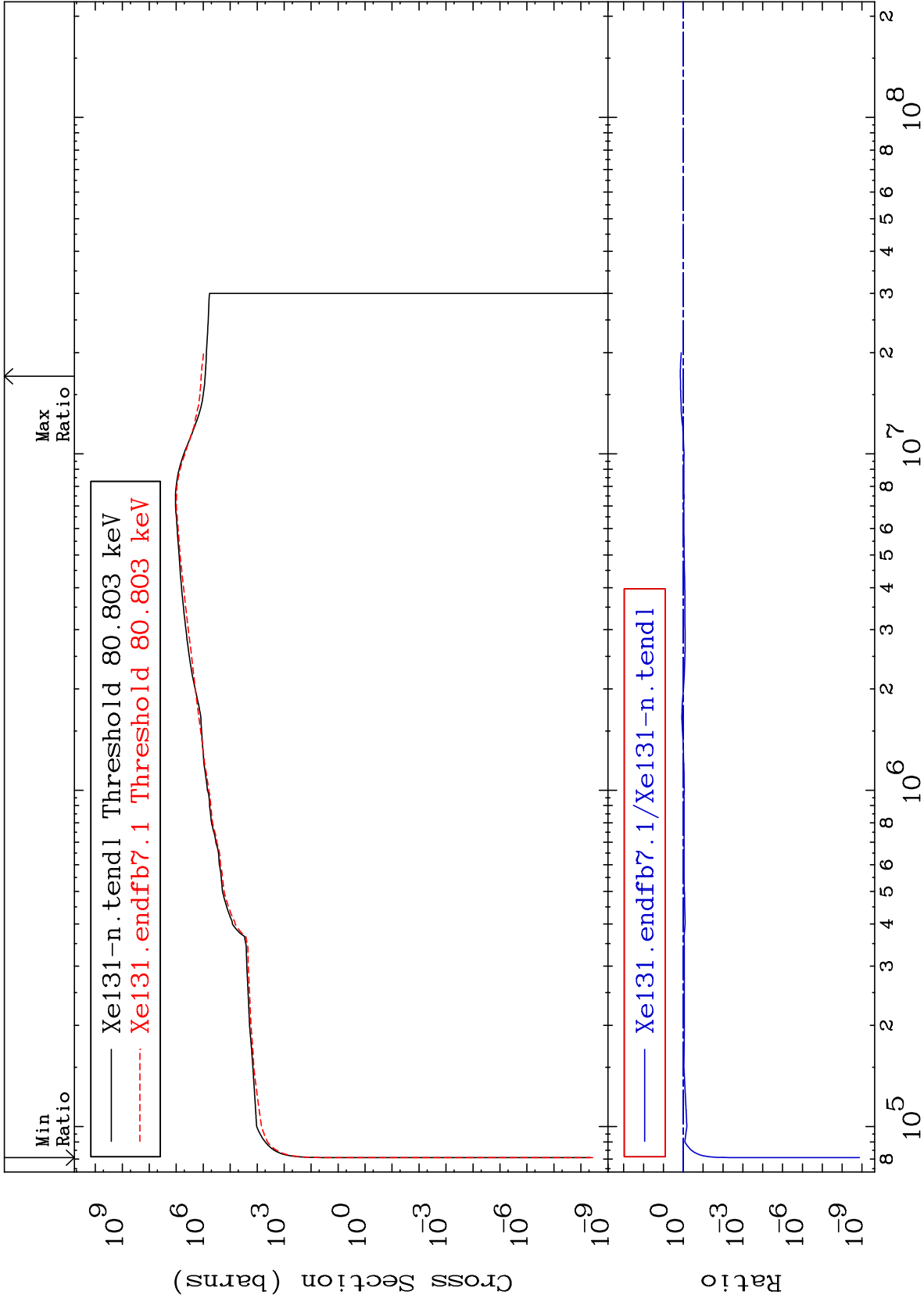


MAT 5446

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-131
-100.0 To 9999. %

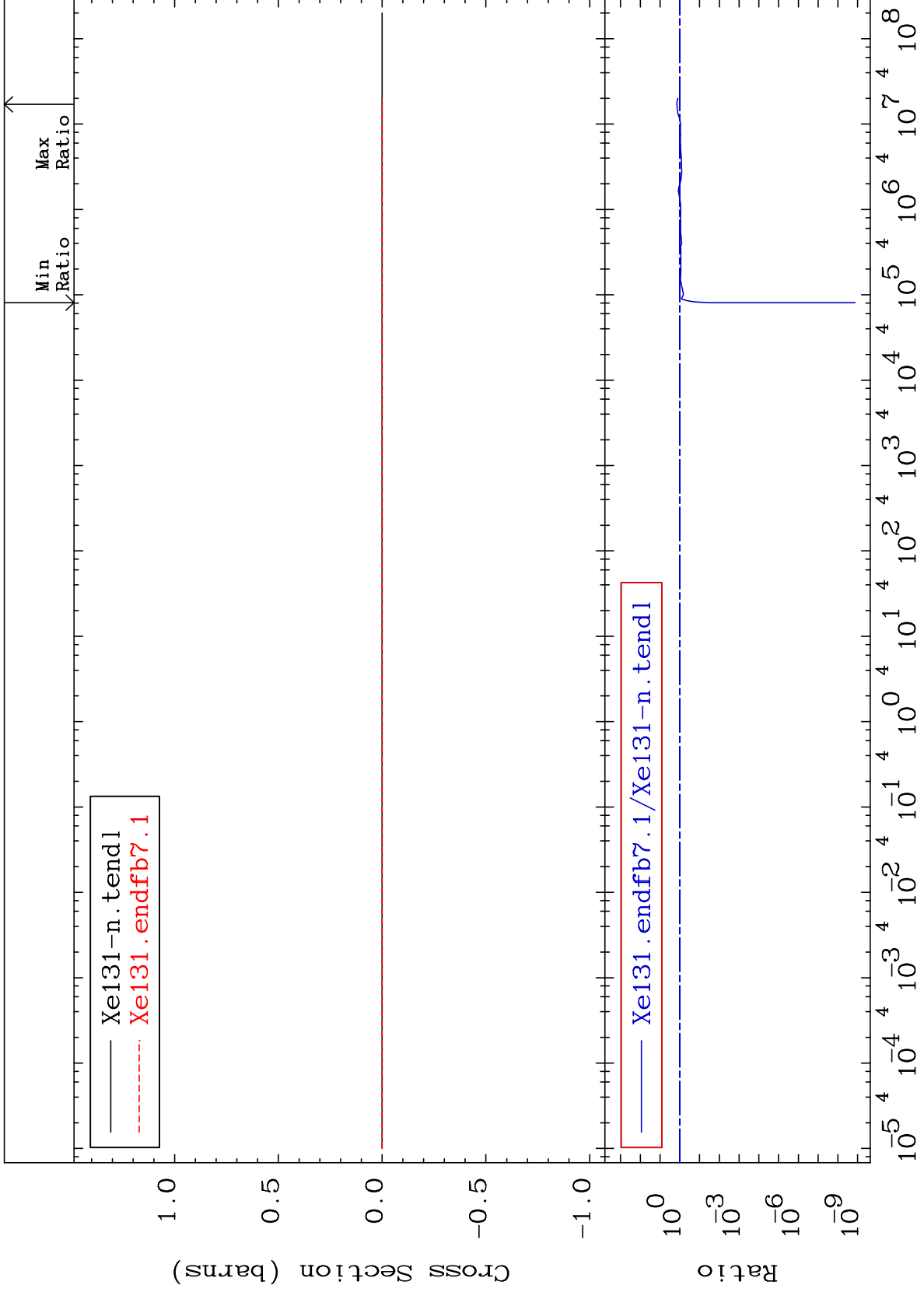




MAT 5446

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

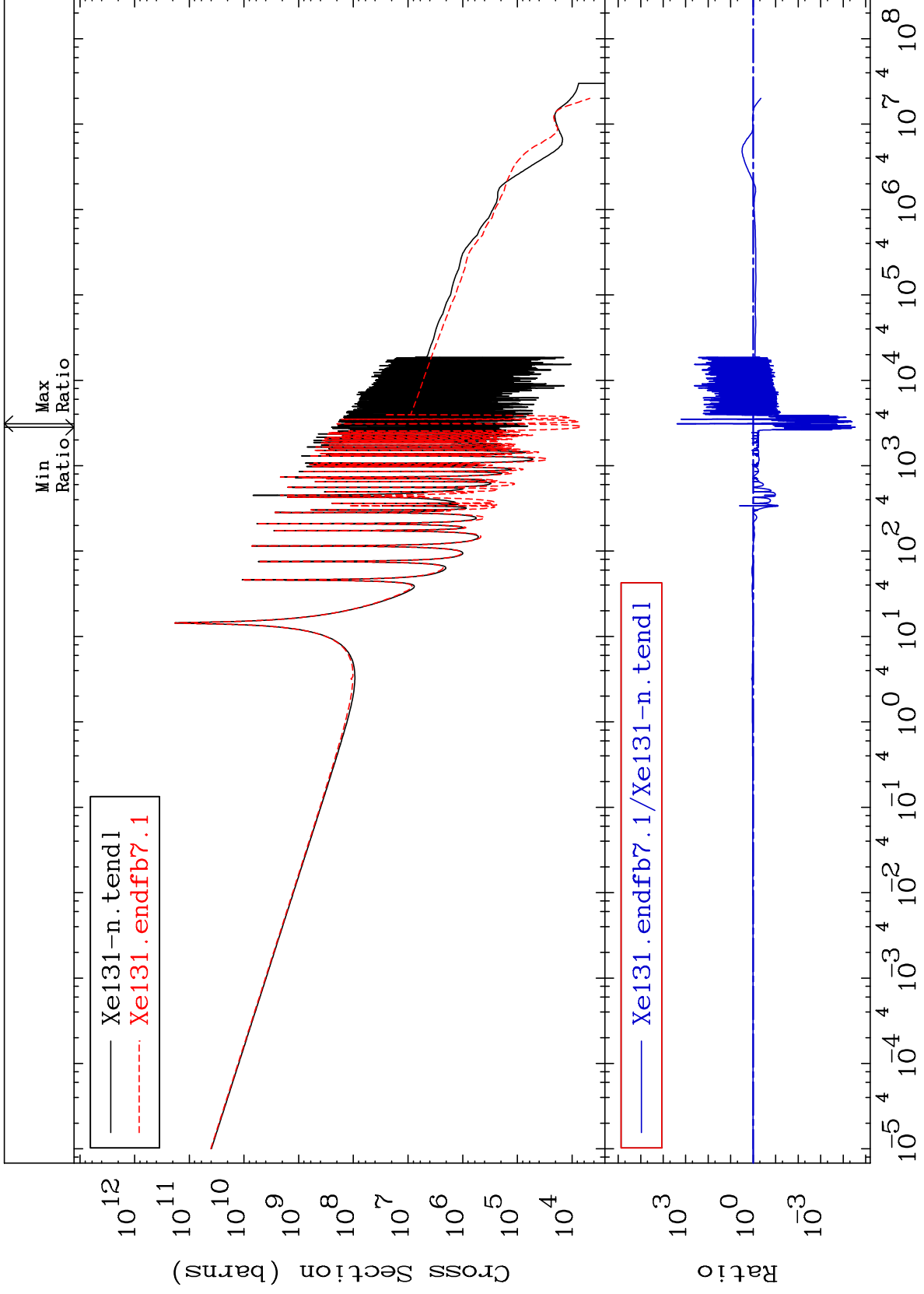
54-Xe-131
-100.0 To 39.60 %



MAT 5446

Kerma capture (mt102)
Cross Section

54-Xe-131
-100.0 To 9999. %



36

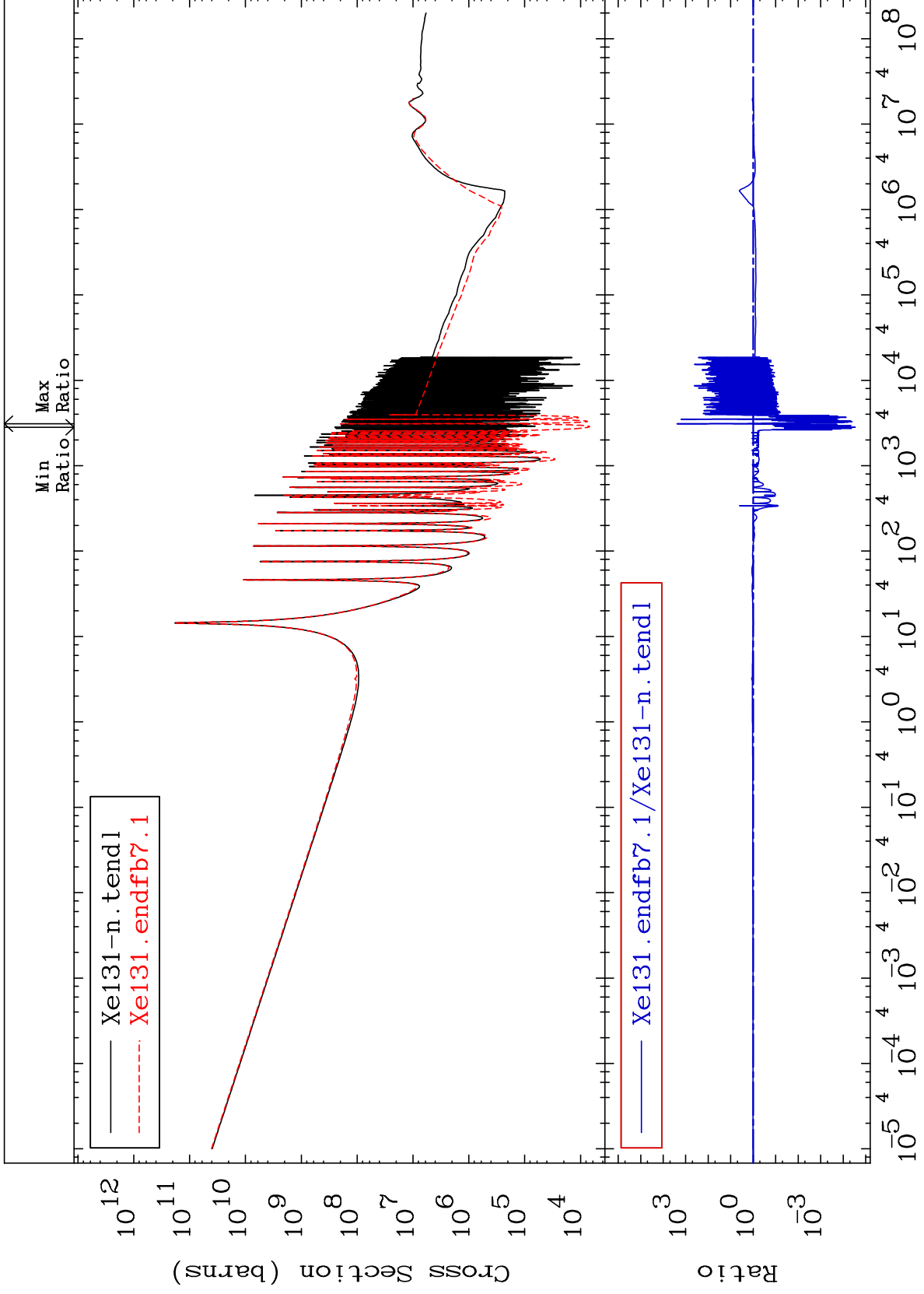
Incident Energy (eV)

54-Xe-131

MAT 5446

Total photon (eV-barns)
Cross Section

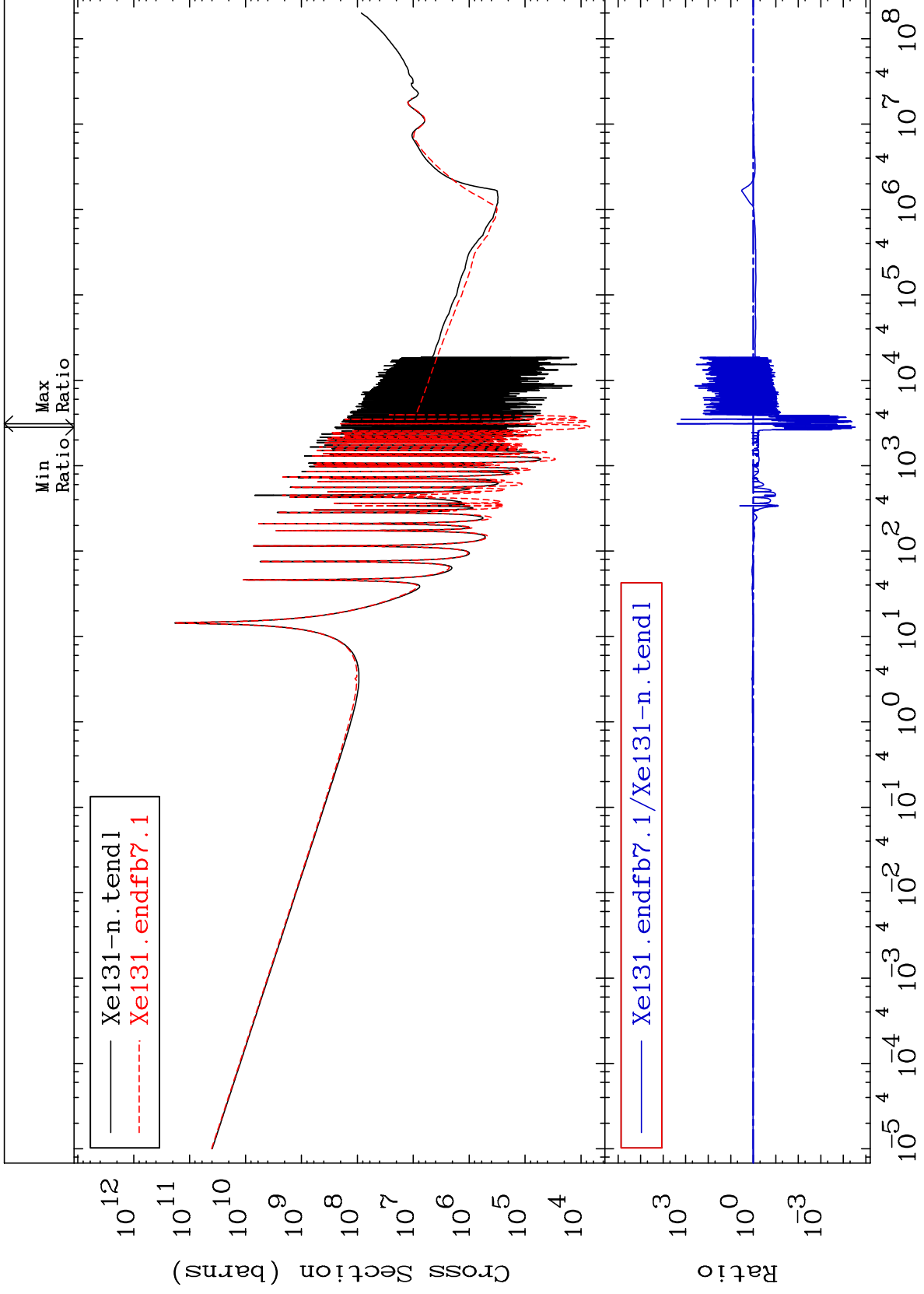
54-Xe-131
-100.0 To 9999. %

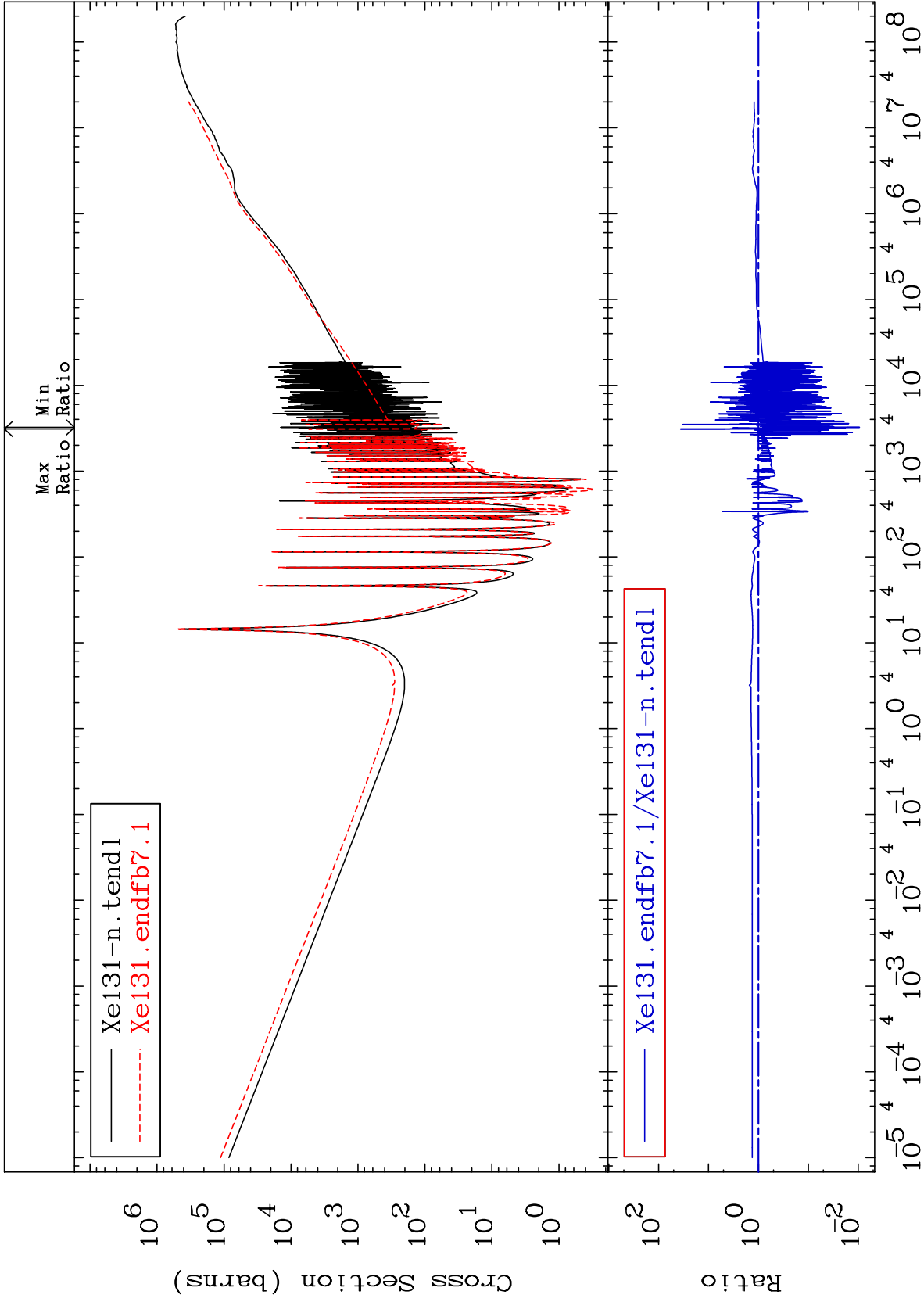


37

Incident Energy (eV)

54-Xe-131

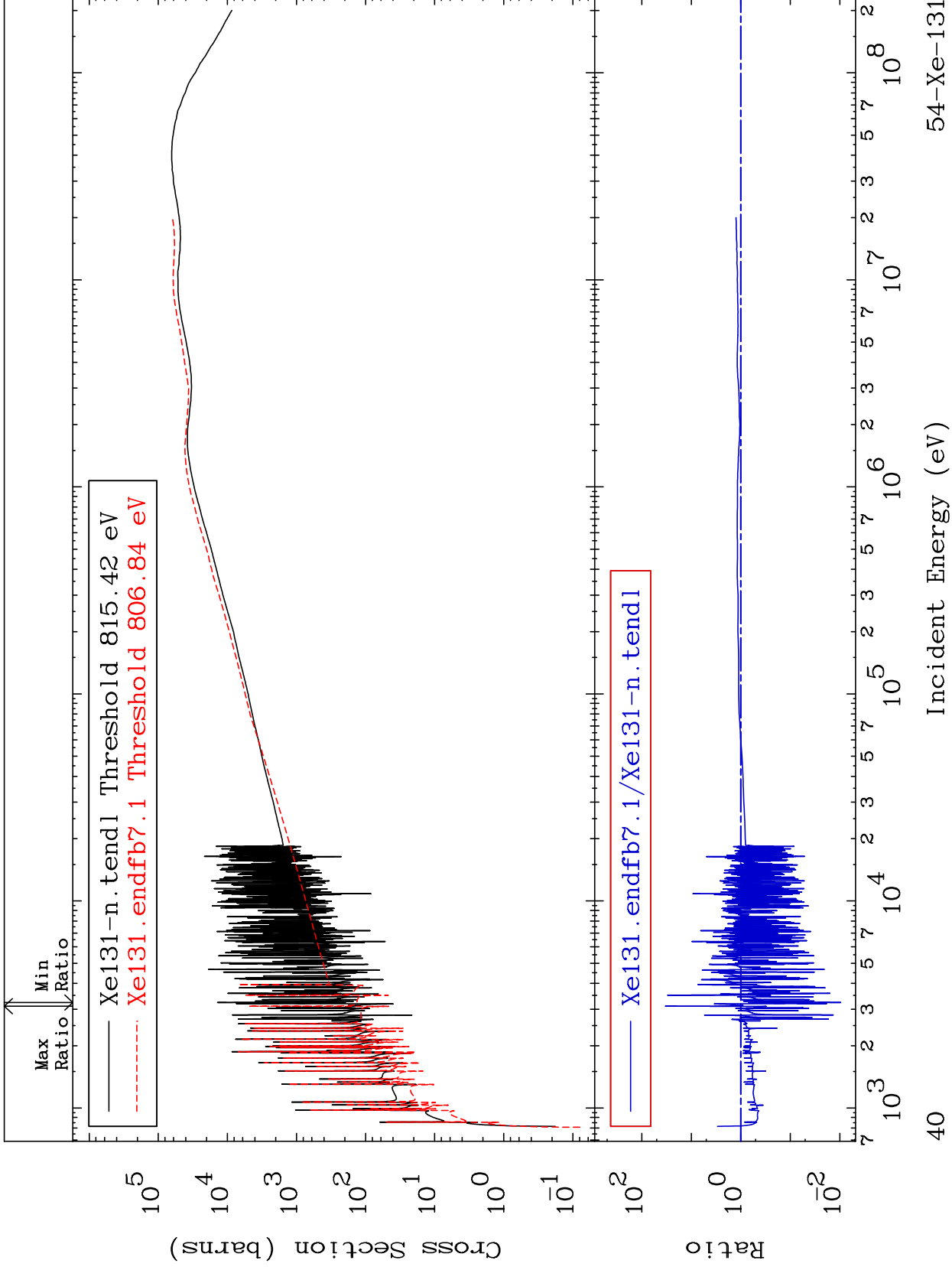


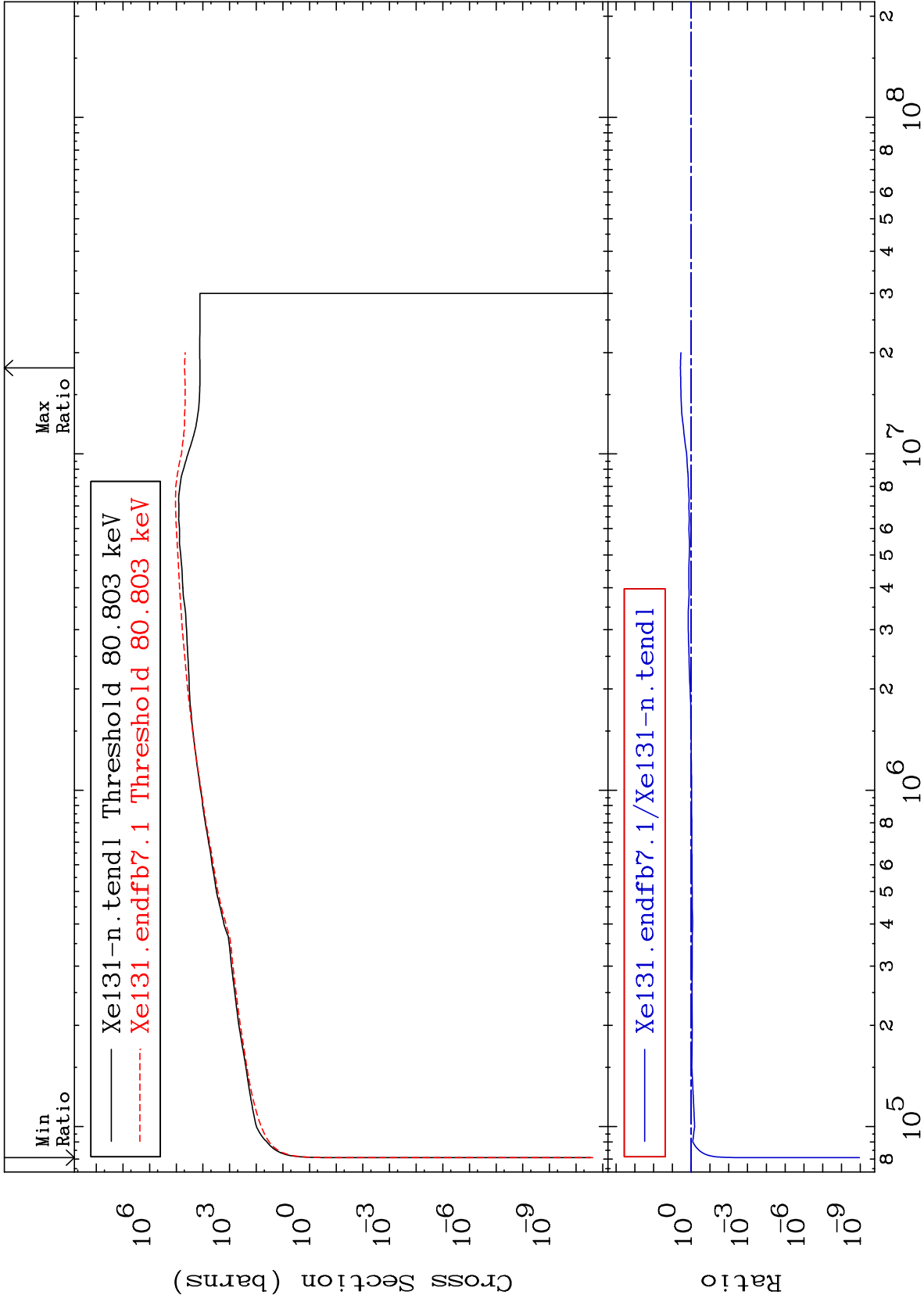


MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-99.04 To 3214. %





MAT 5446

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-131
-100.0 To 9999. %

