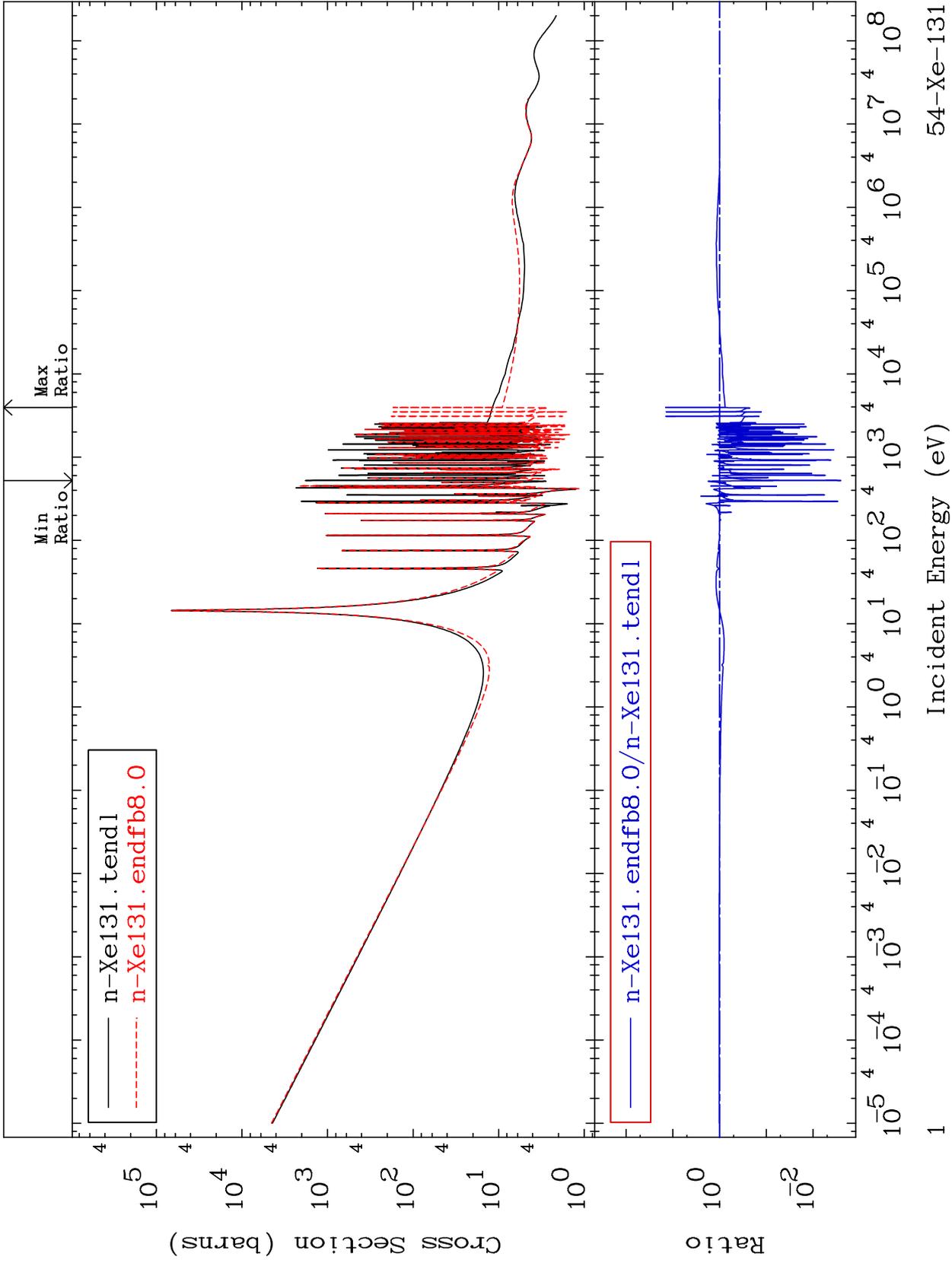


MAT 5446

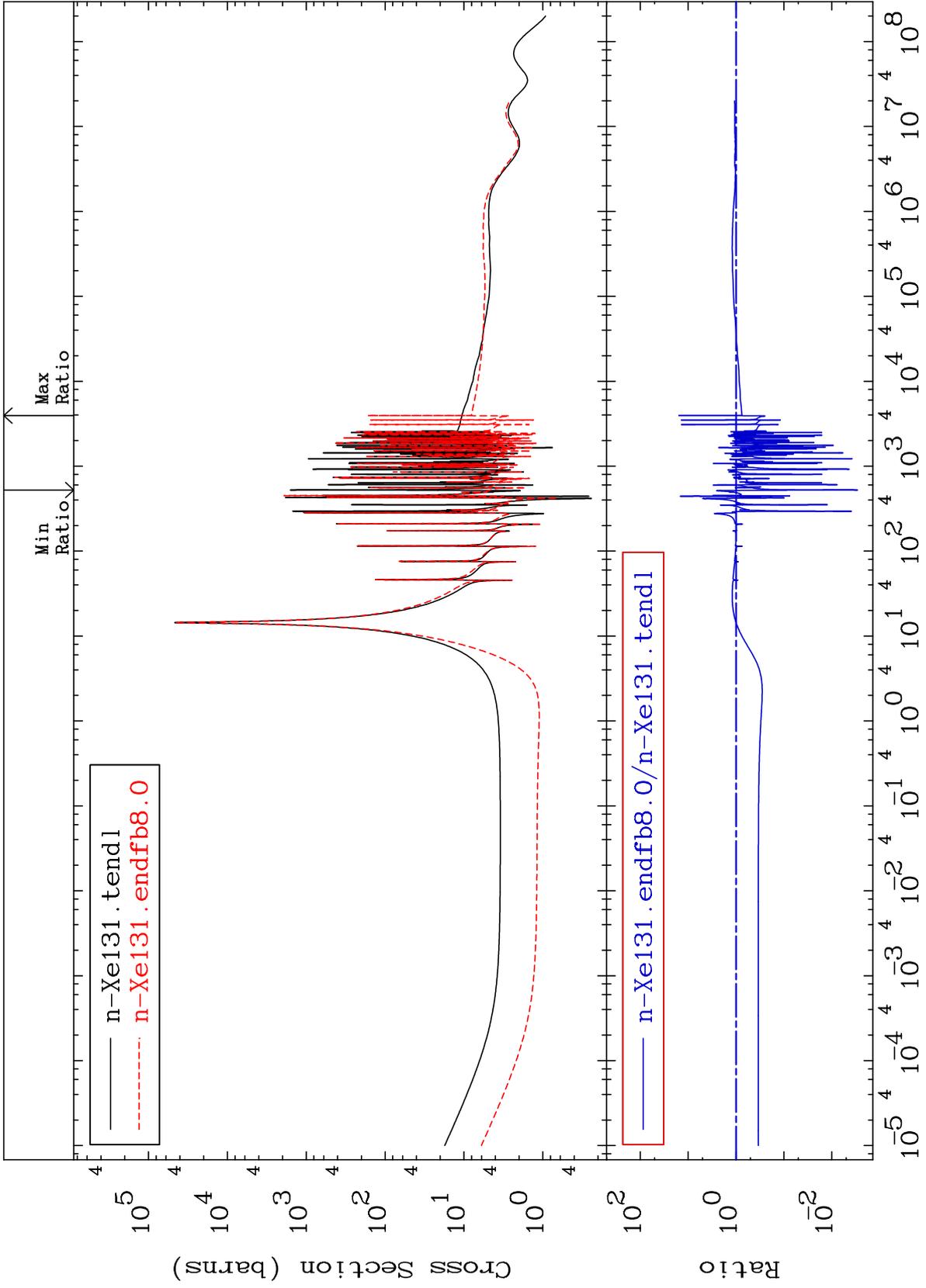
Total Cross Section
54-Xe-131
-99.75 To 1335. %



MAT 5446

Elastic
Cross Section

54-Xe-131
-99.71 To 1469. %



2

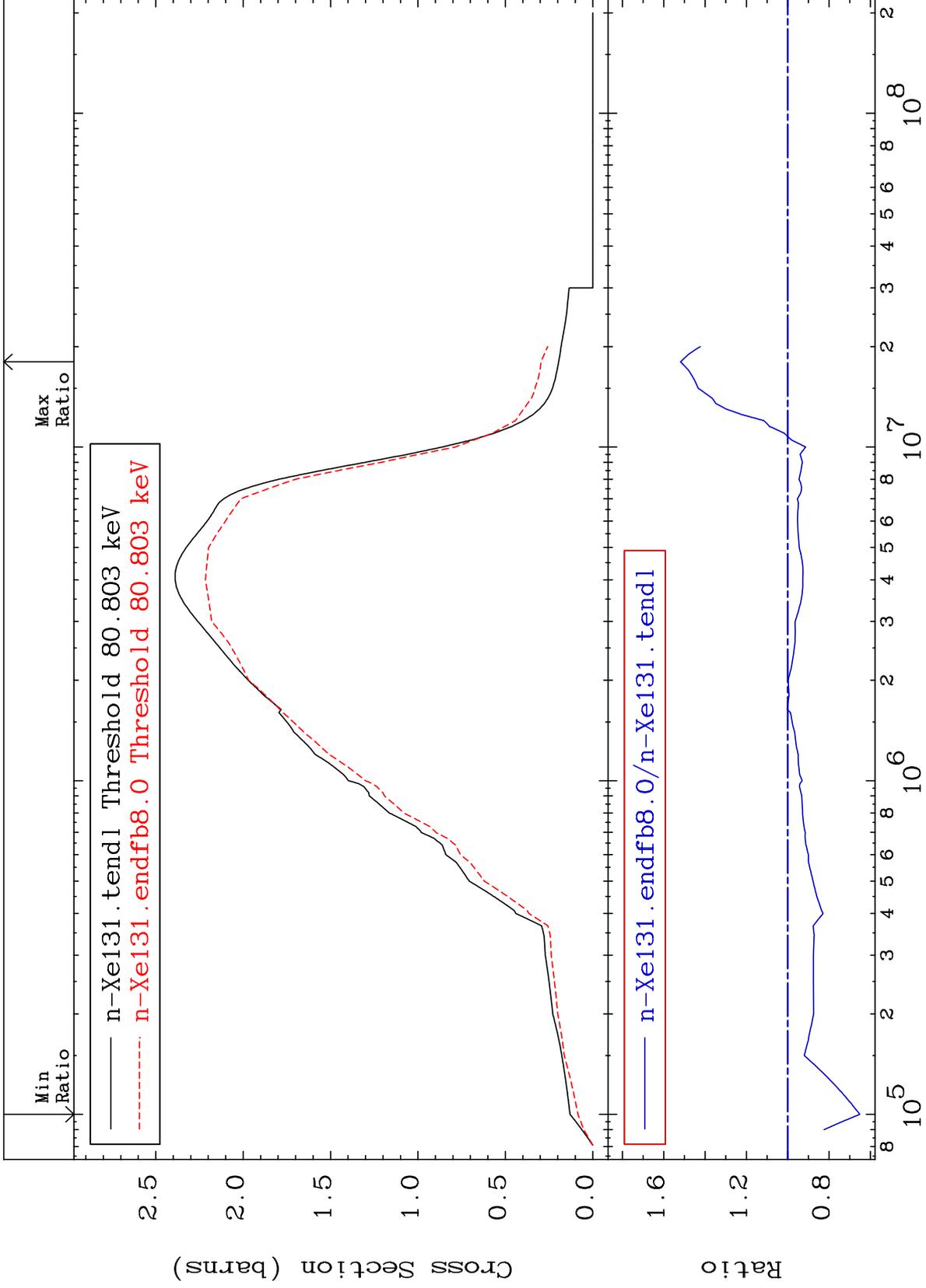
Incident Energy (eV)

54-Xe-131

MAT 5446

Inelastic
Cross Section

54-Xe-131
-34.80 To 51.89 %



3

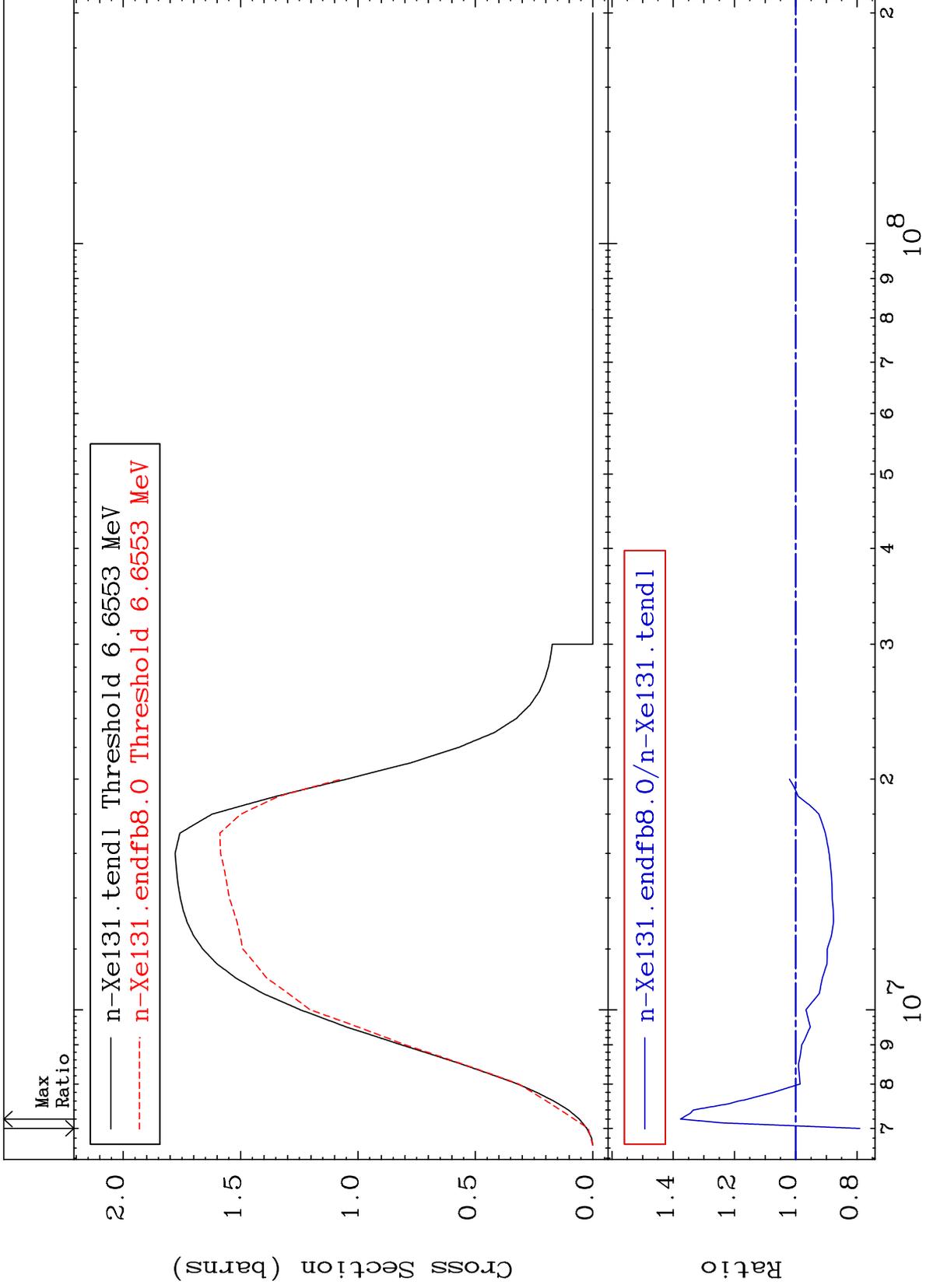
Incident Energy (eV)

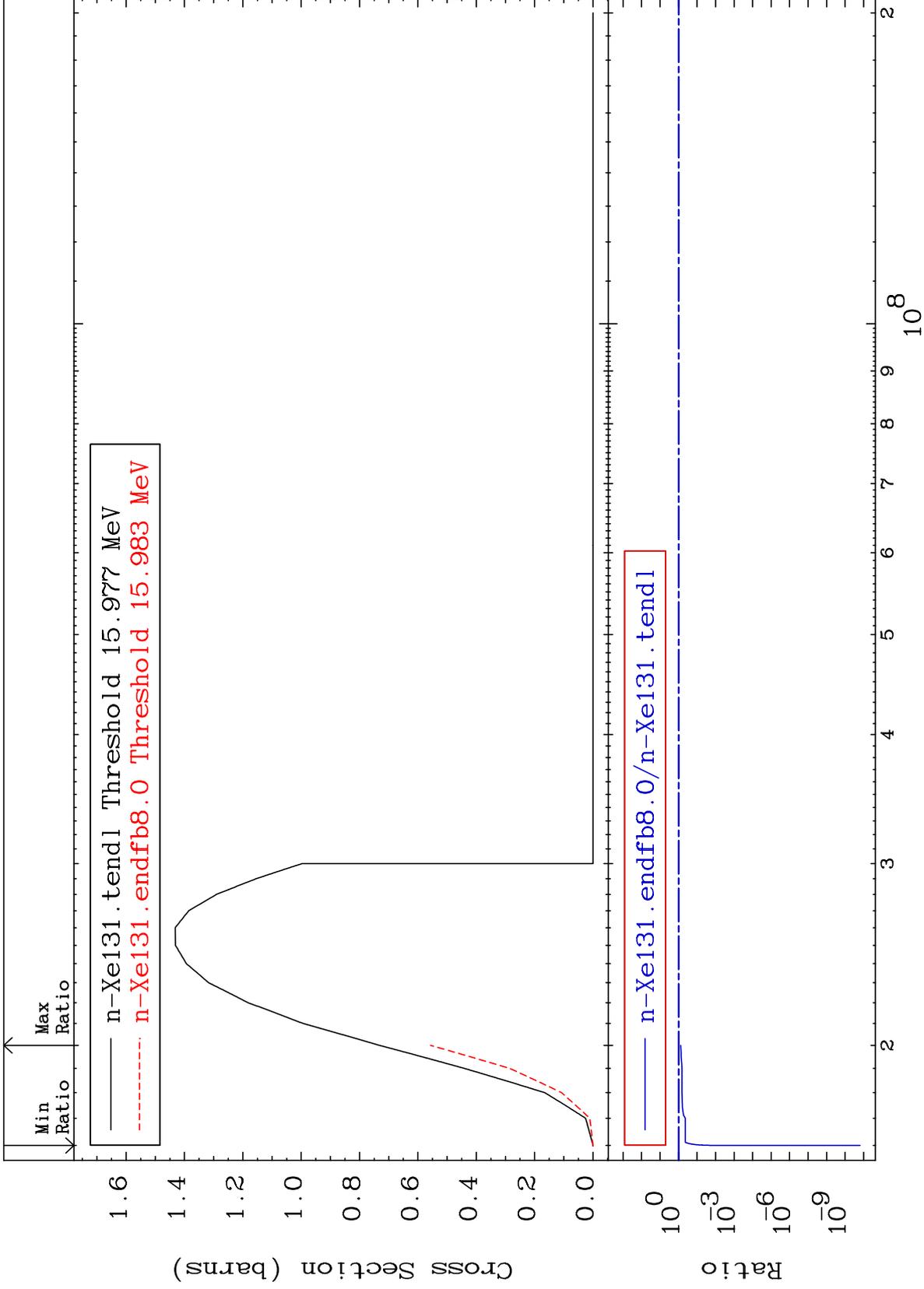
54-Xe-131

MAT 5446

(n,2n)
Cross Section

54-Xe-131
-20.90 To 37.63 %





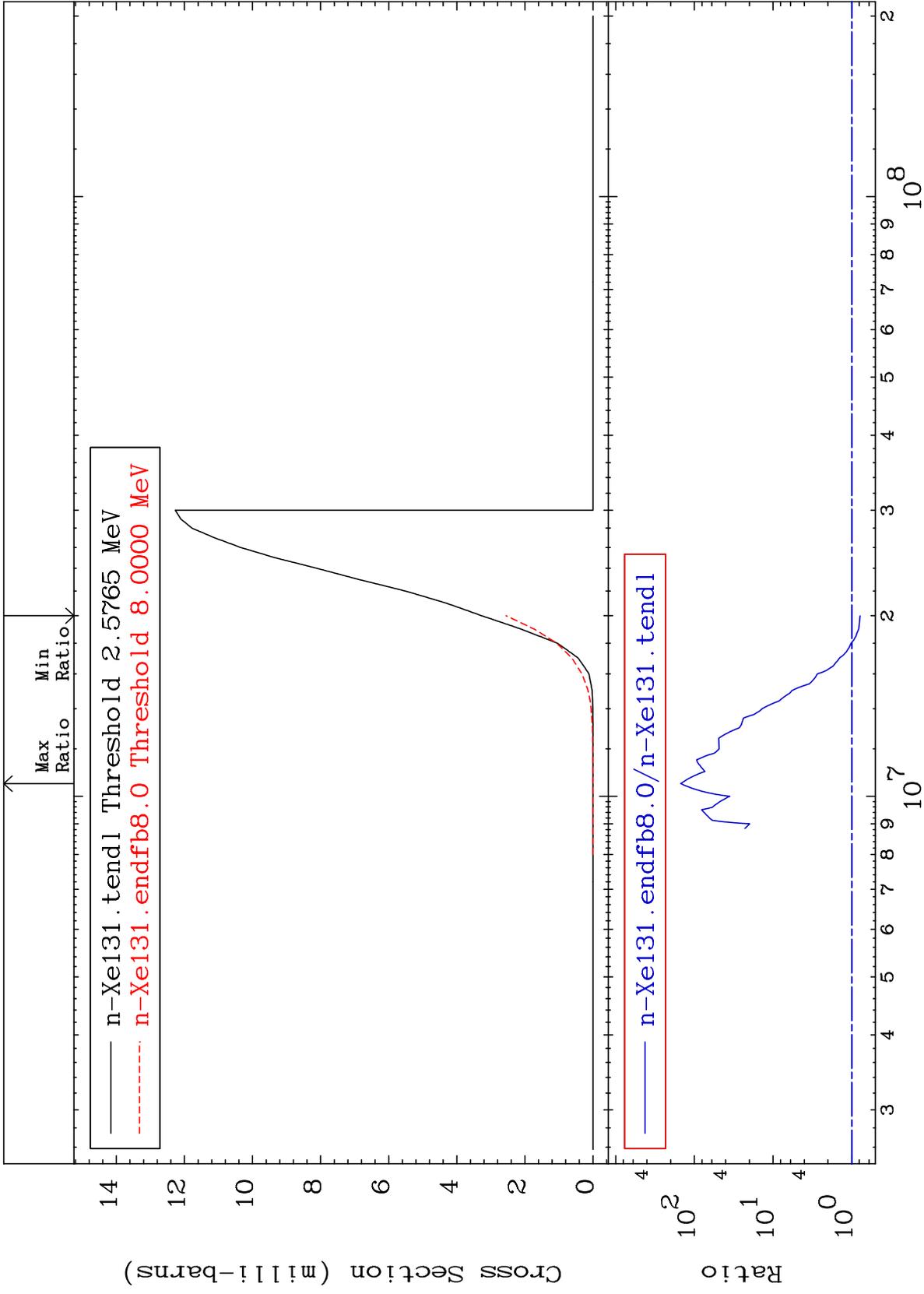
MAT 5446

(n, n') α

54-Xe-131

-21.84 To 9999. %

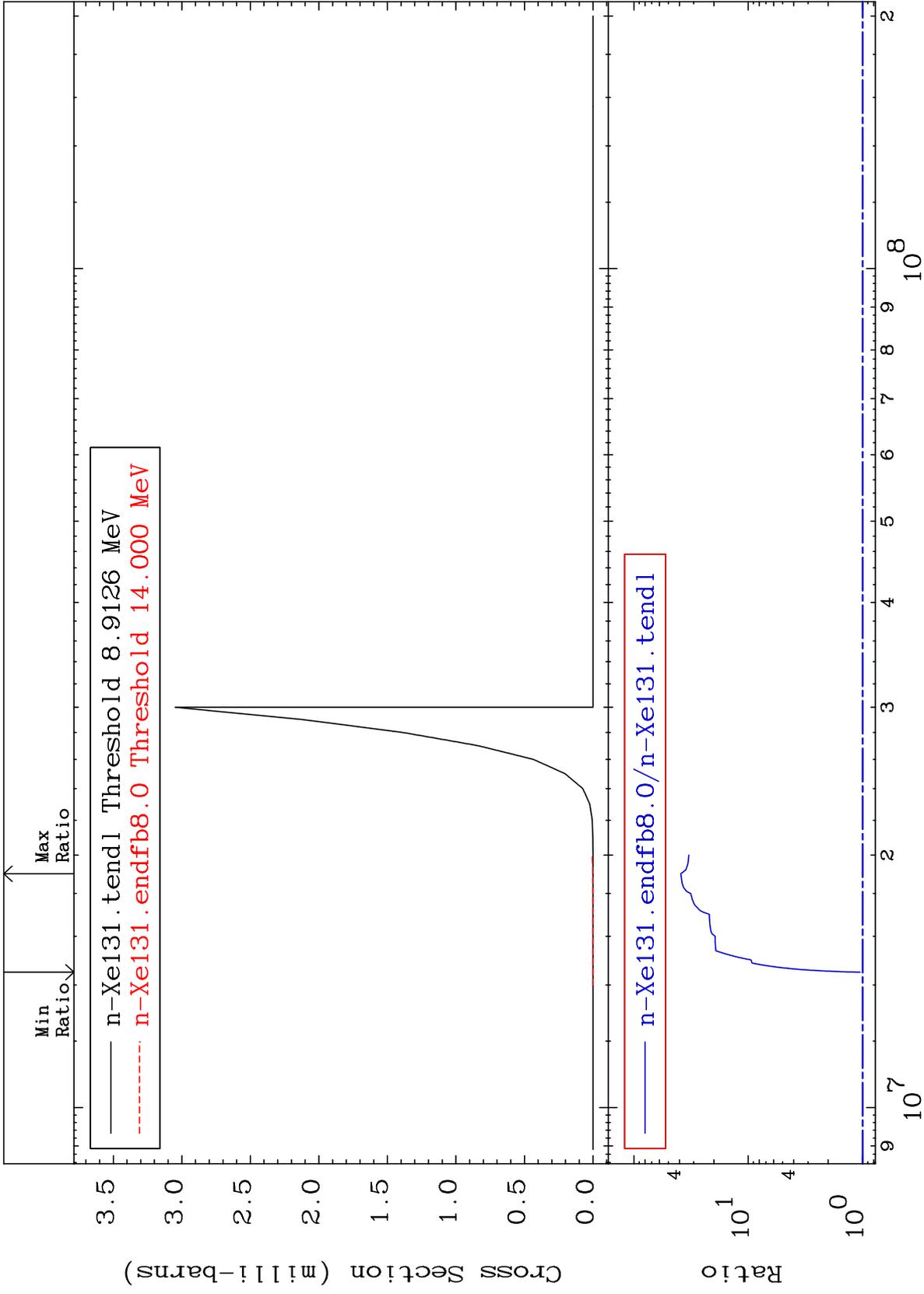
Cross Section



MAT 5446

(n,2n) α
Cross Section

54-Xe-131
To 3796. %
5.021



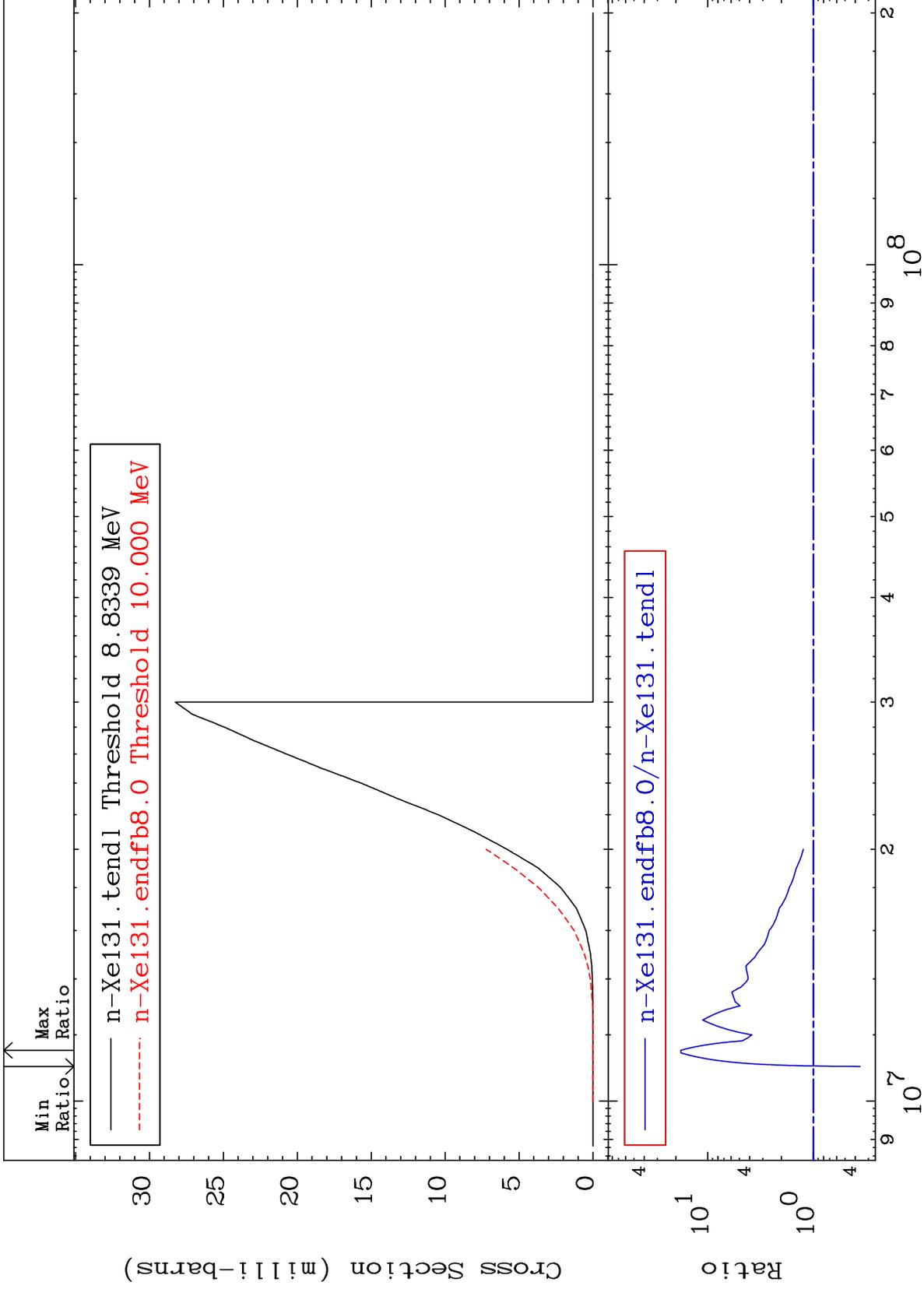
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') p
Cross Section

54-Xe-131
-64.02 To 1698. %



8

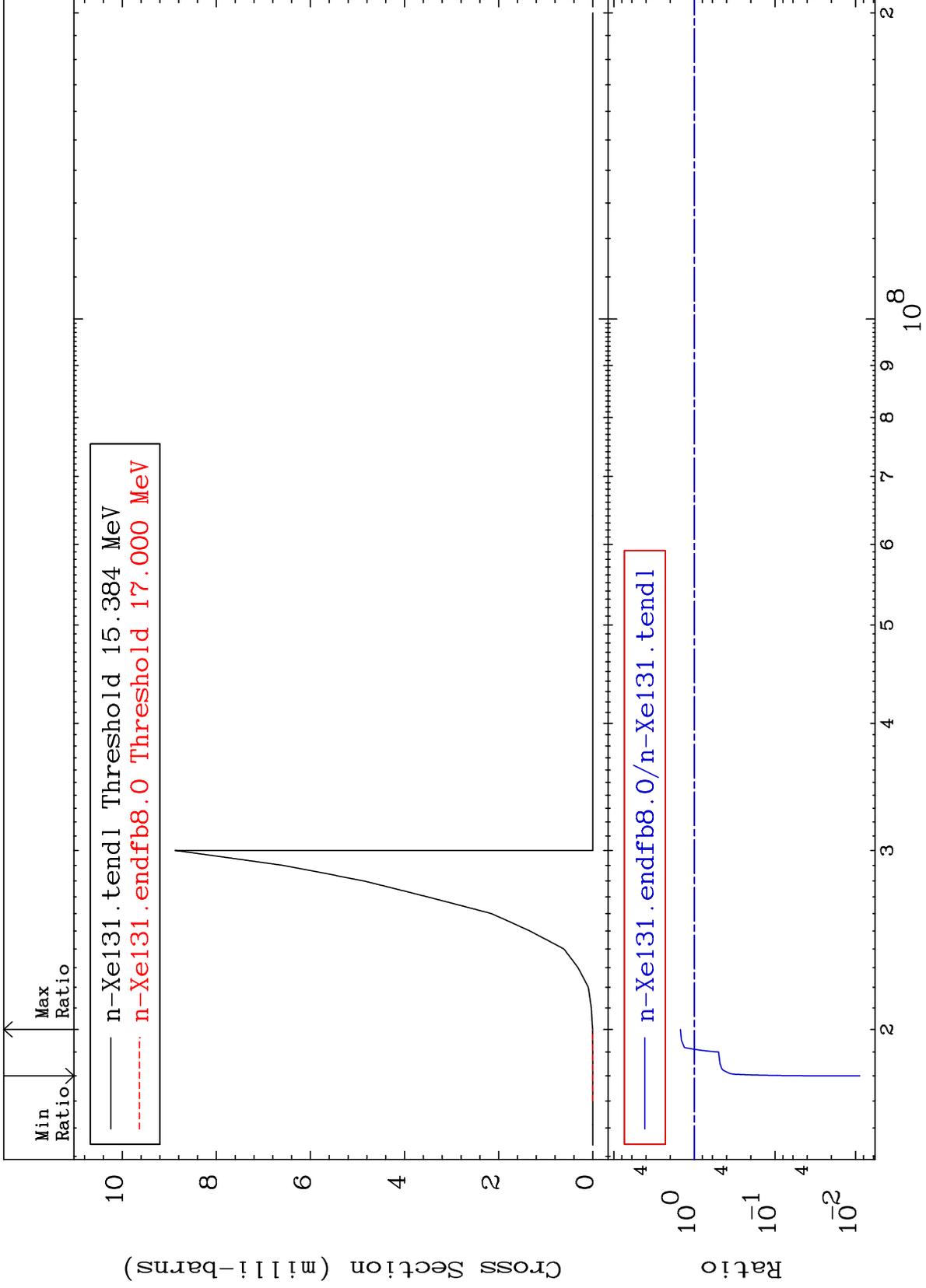
Incident Energy (eV)

54-Xe-131

MAT 5446

(n,2n) p
Cross Section

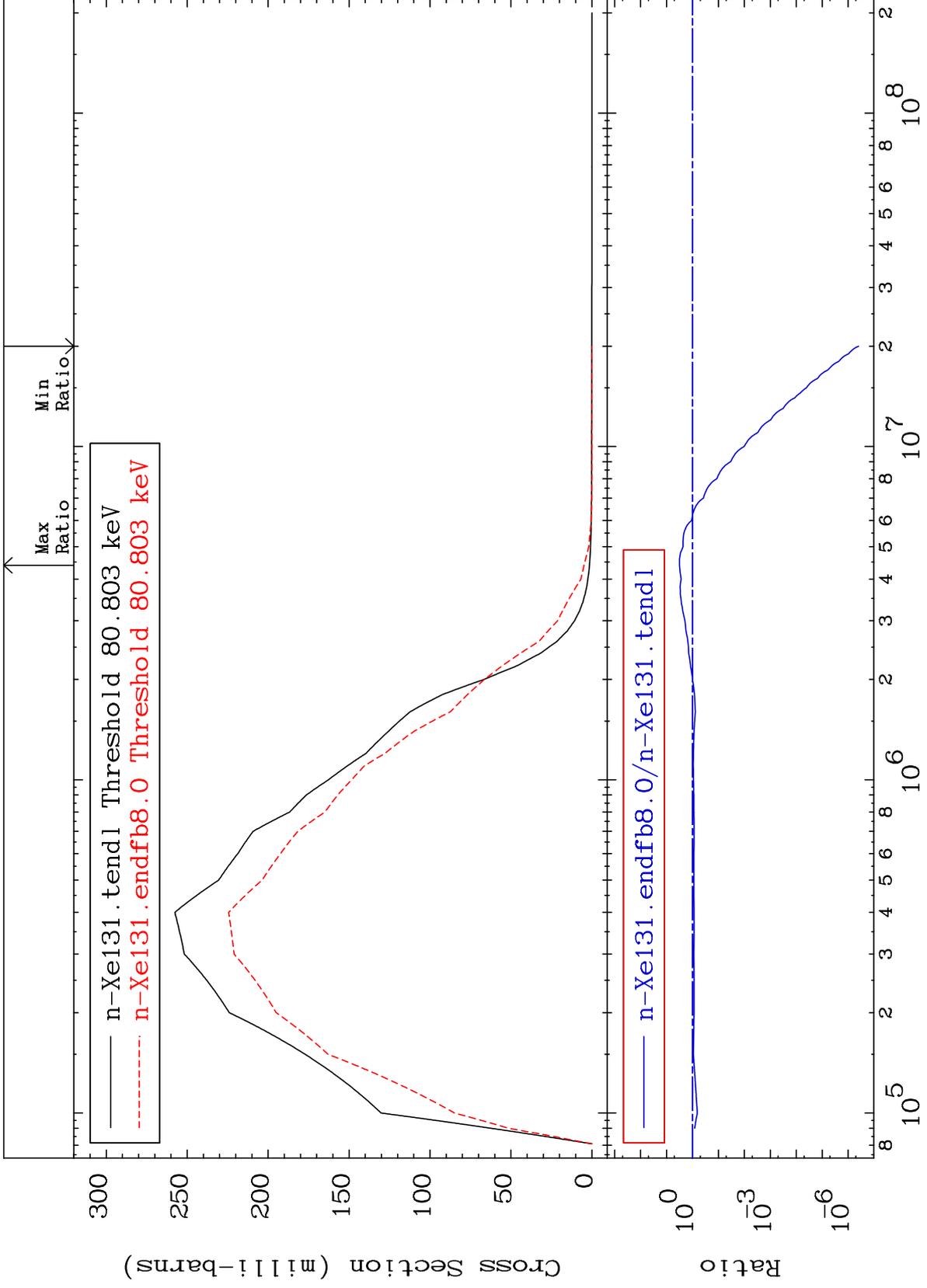
54-Xe-131
-99.11 To 49.34 %



MAT 5446

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

54-Xe-131
-100.0 To 215.9 %



10

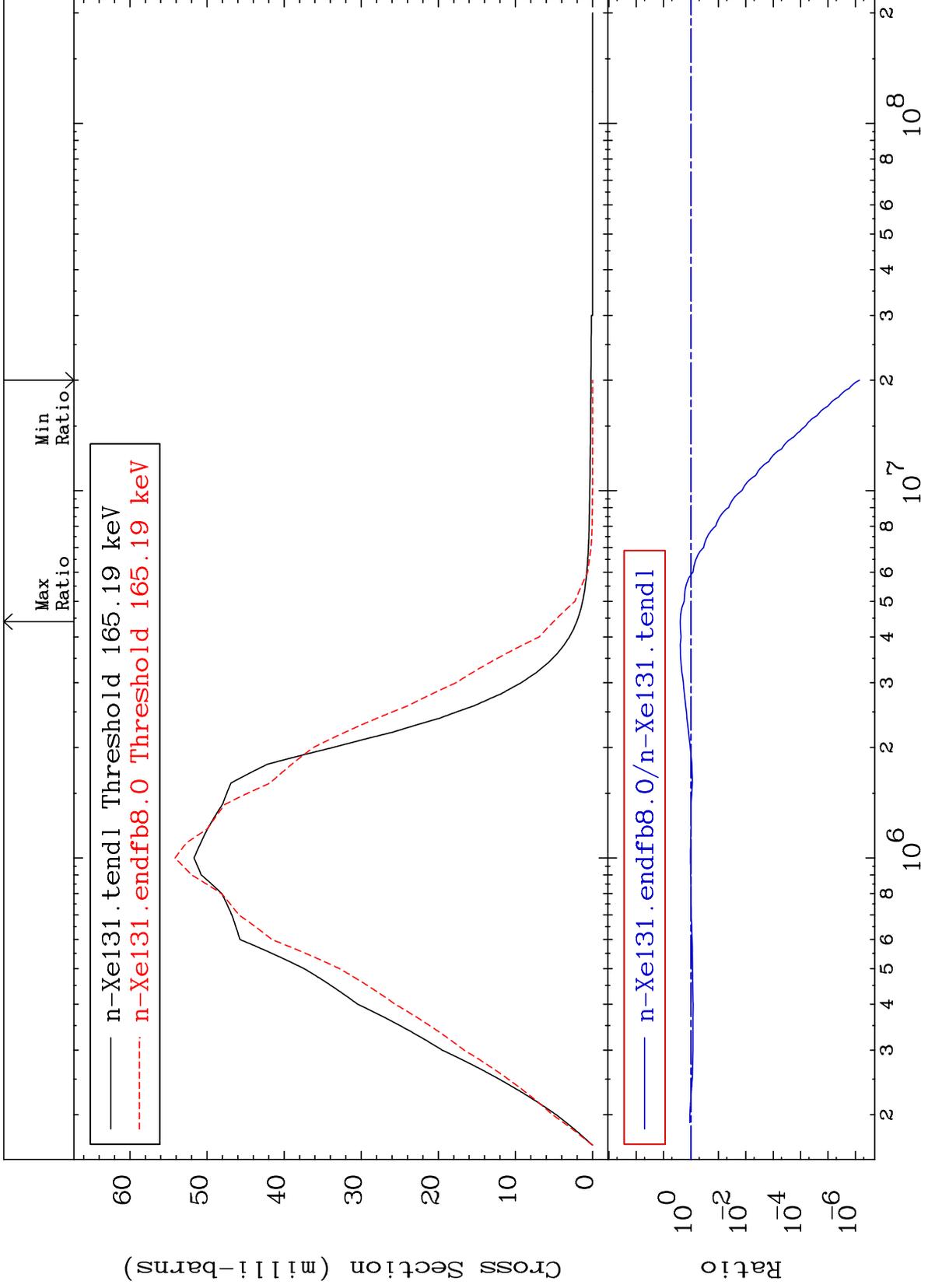
Incident Energy (eV)

54-Xe-131

MAT 5446

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

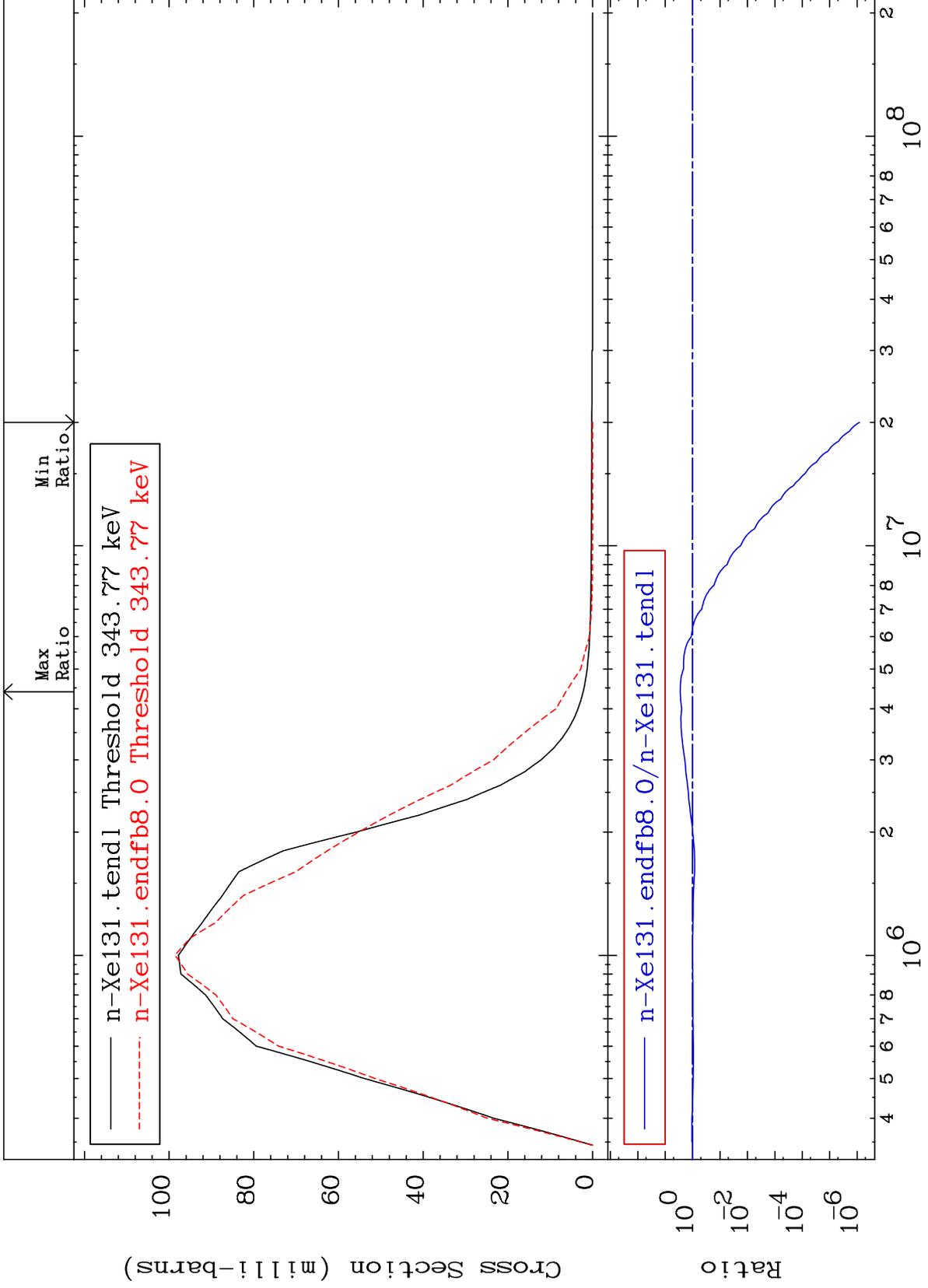
54-Xe-131
-100.0 To 146.7 %



MAT 5446

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

54-Xe-131
-100.0 To 182.2 %



12

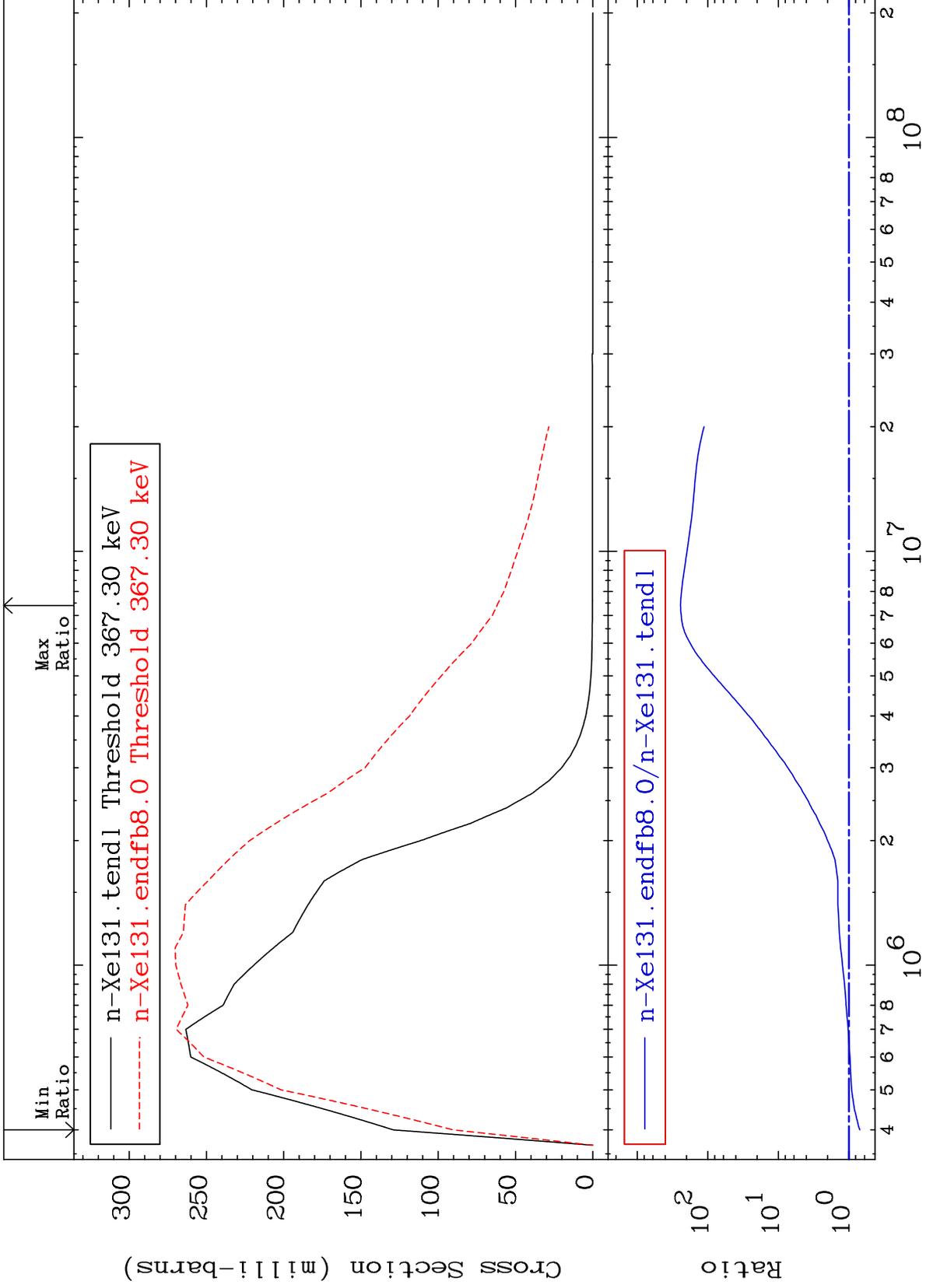
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-29.99 To 9999. %



13

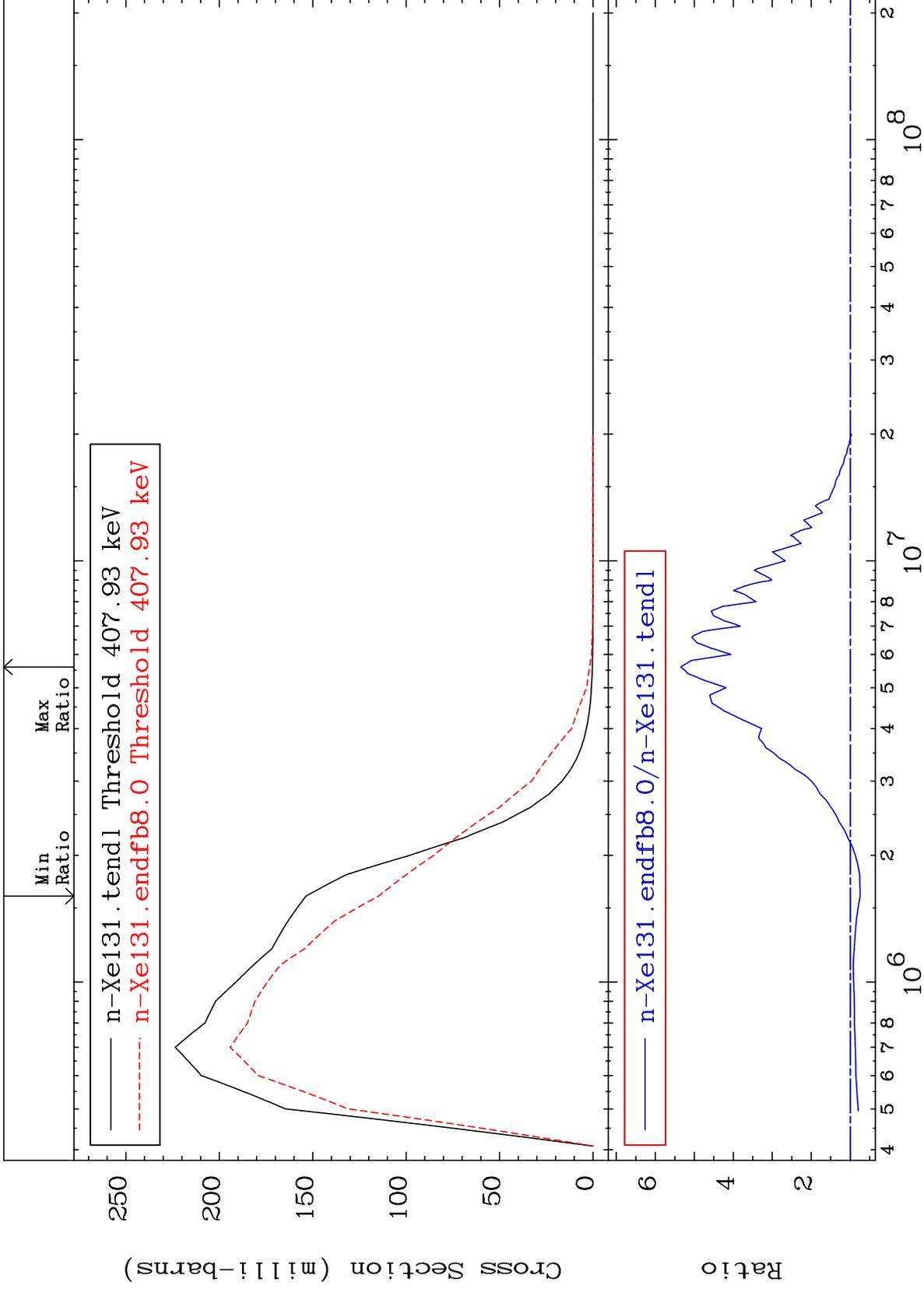
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-25.32 To 434.6 %



14

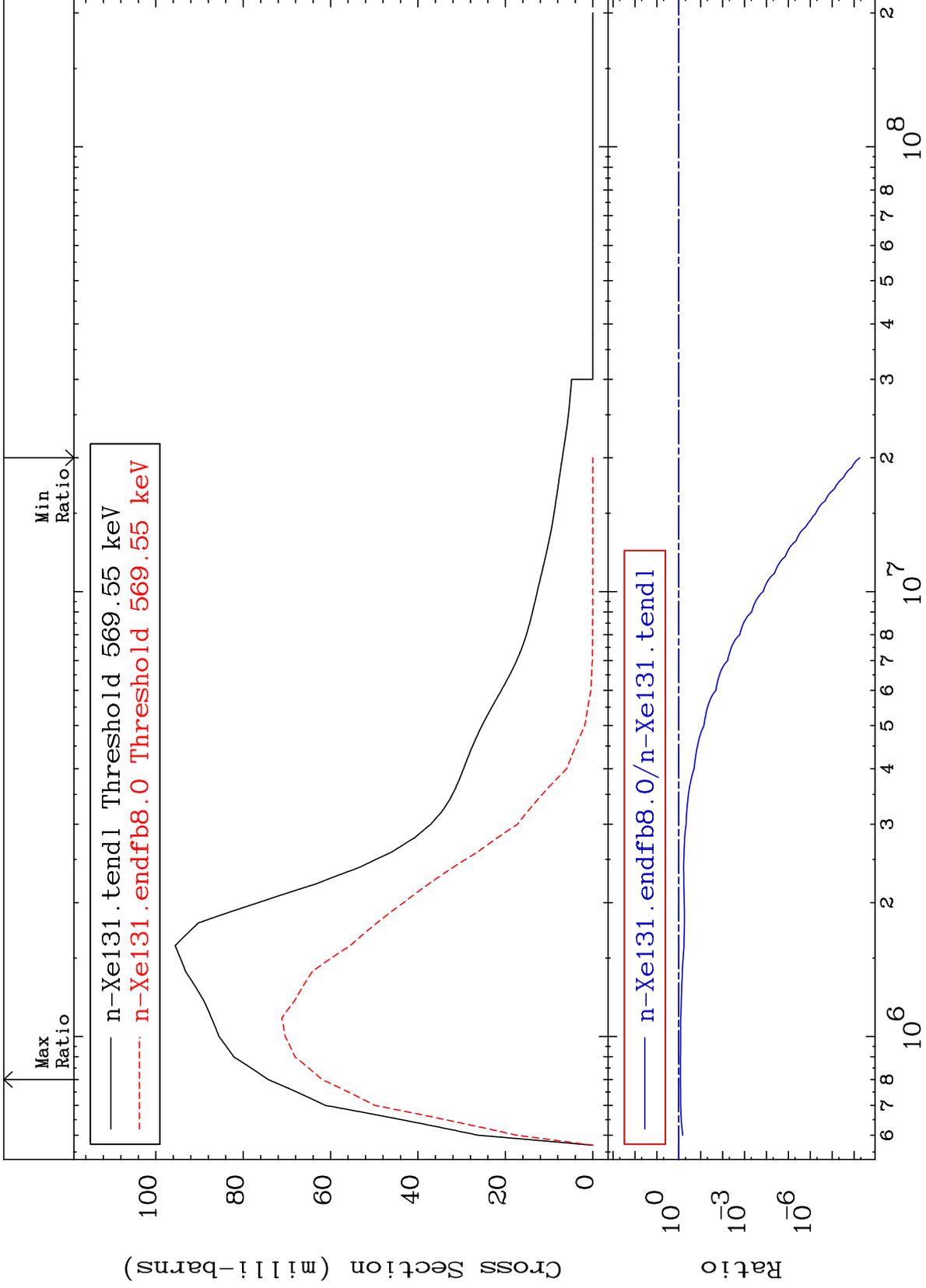
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-100.0 To -16.63%



15

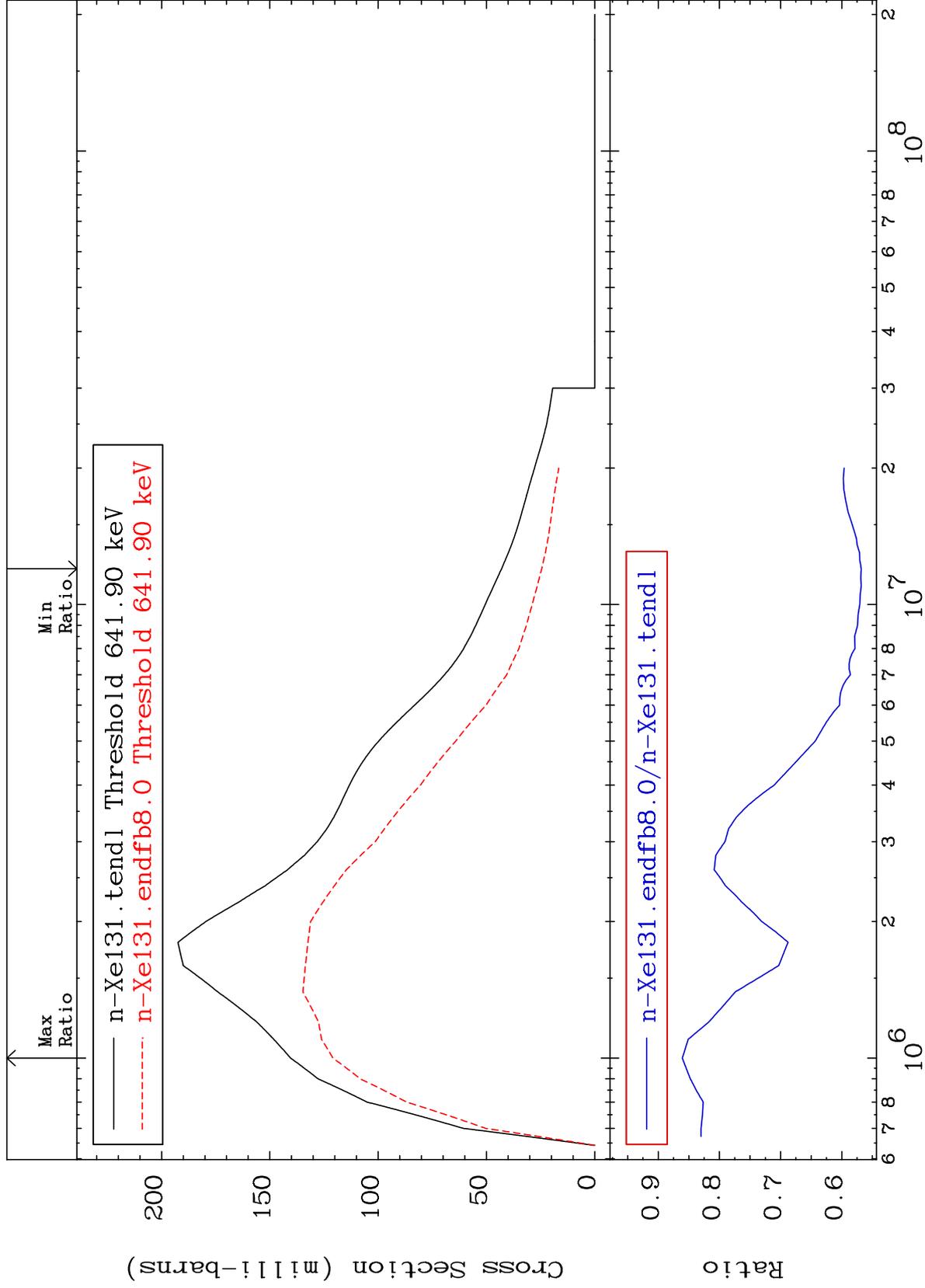
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-43.18 To -13.93%



16

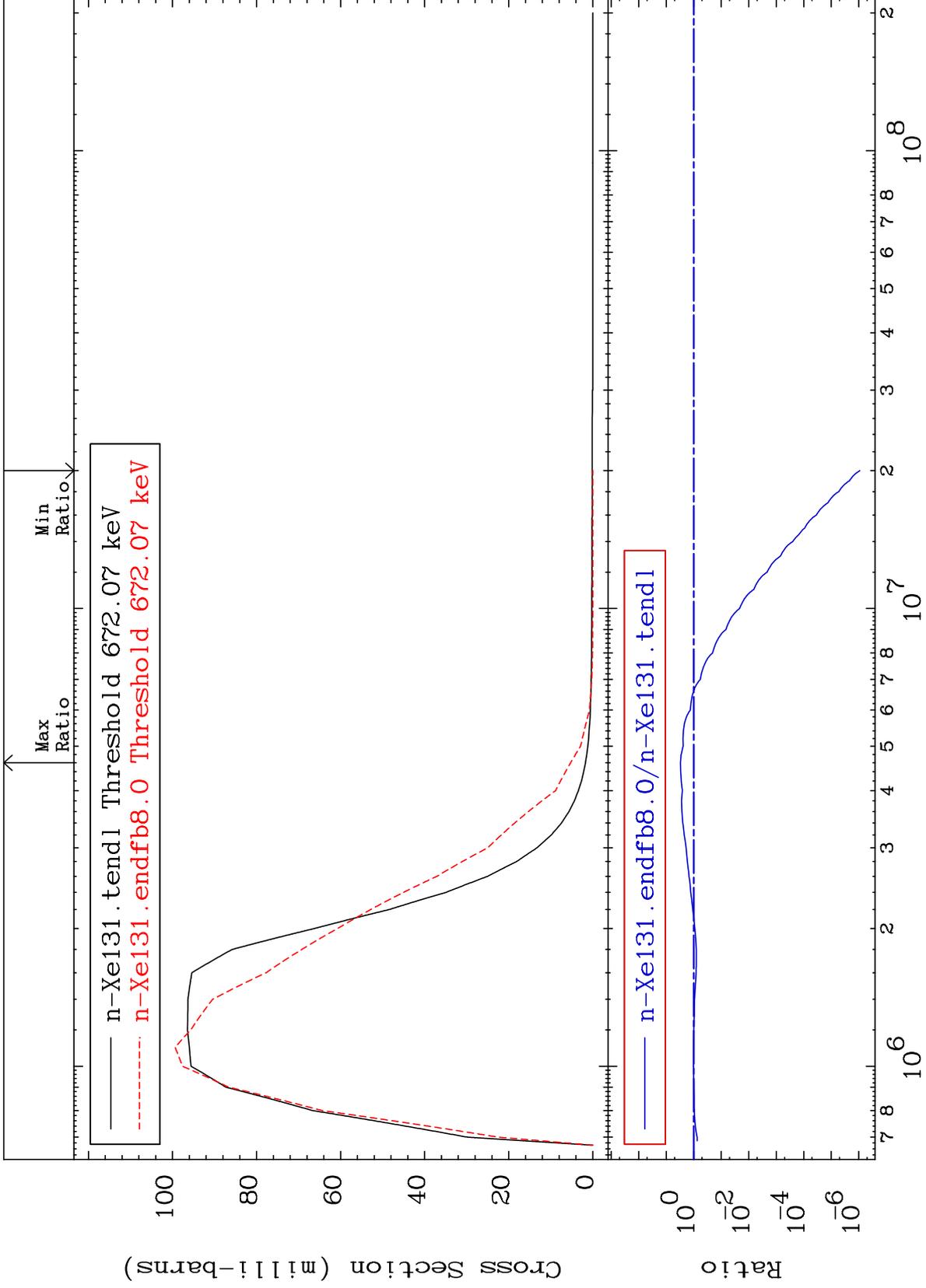
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-100.0 To 203.2 %



17

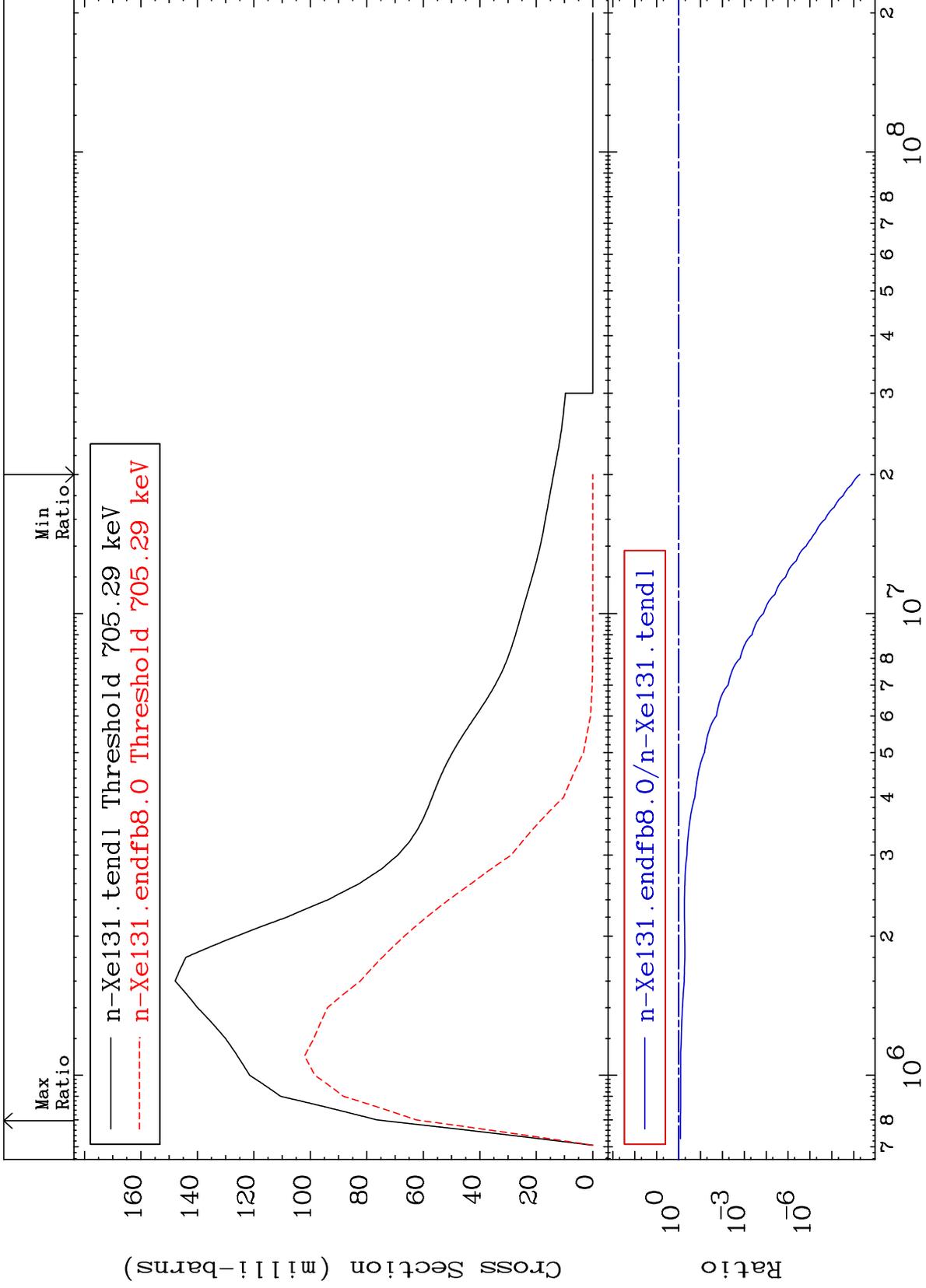
Incident Energy (eV)

54-Xe-131

MAT 5446

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

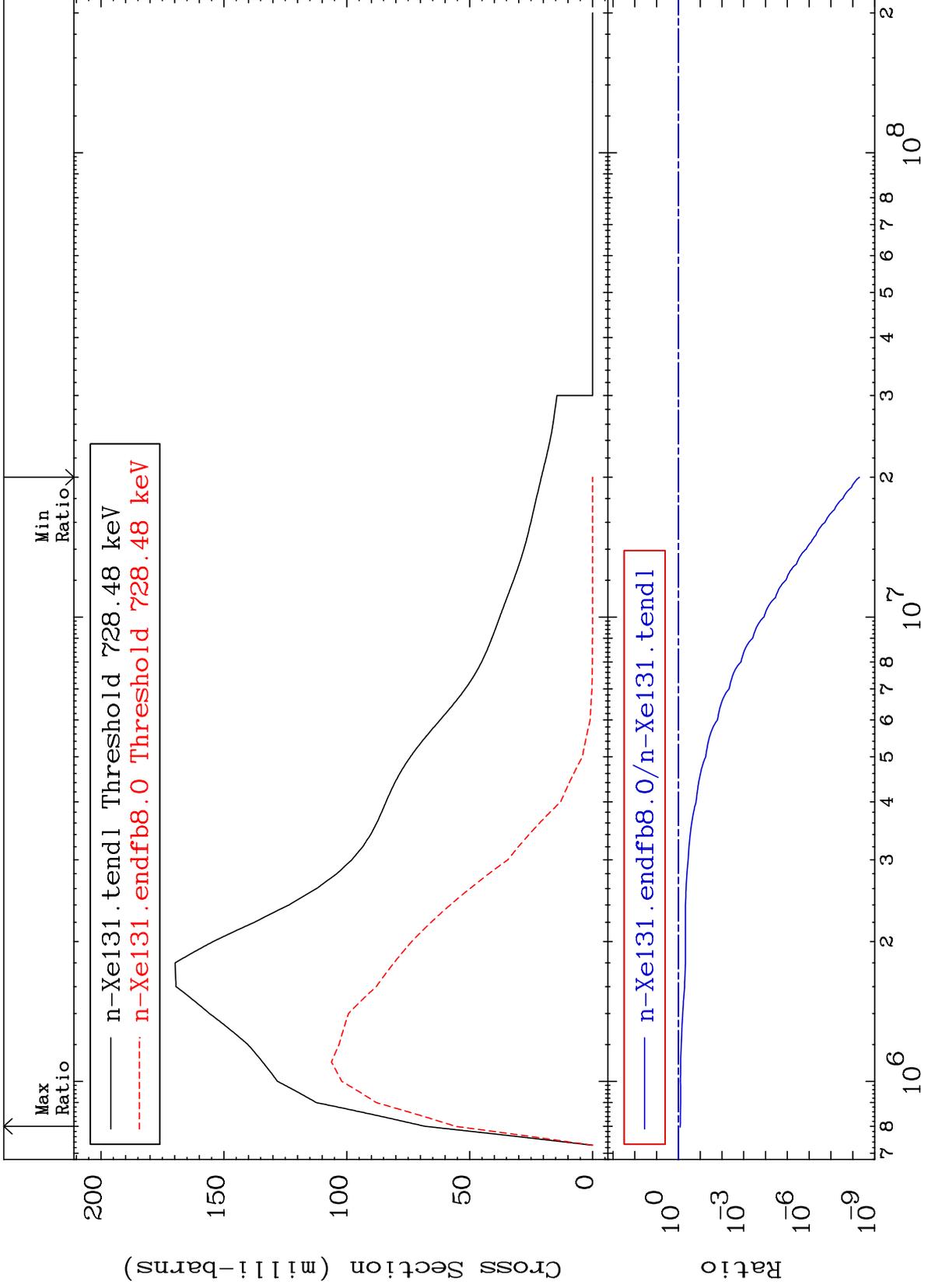
54-Xe-131
-100.0 To -18.22%



MAT 5446

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

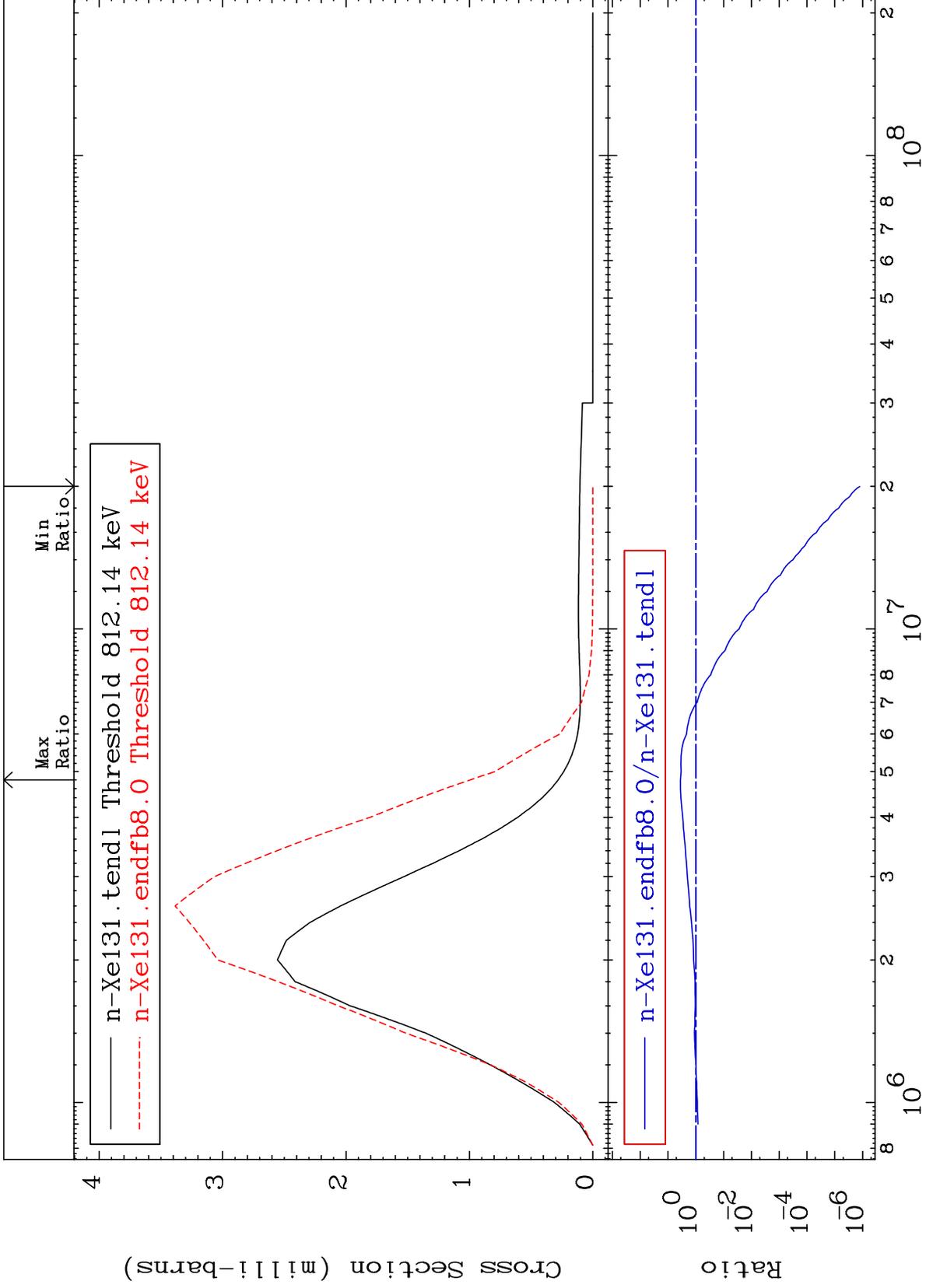
54-Xe-131
-100.0 To -18.18%



MAT 5446

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

54-Xe-131
-100.0 To 255.1 %



20

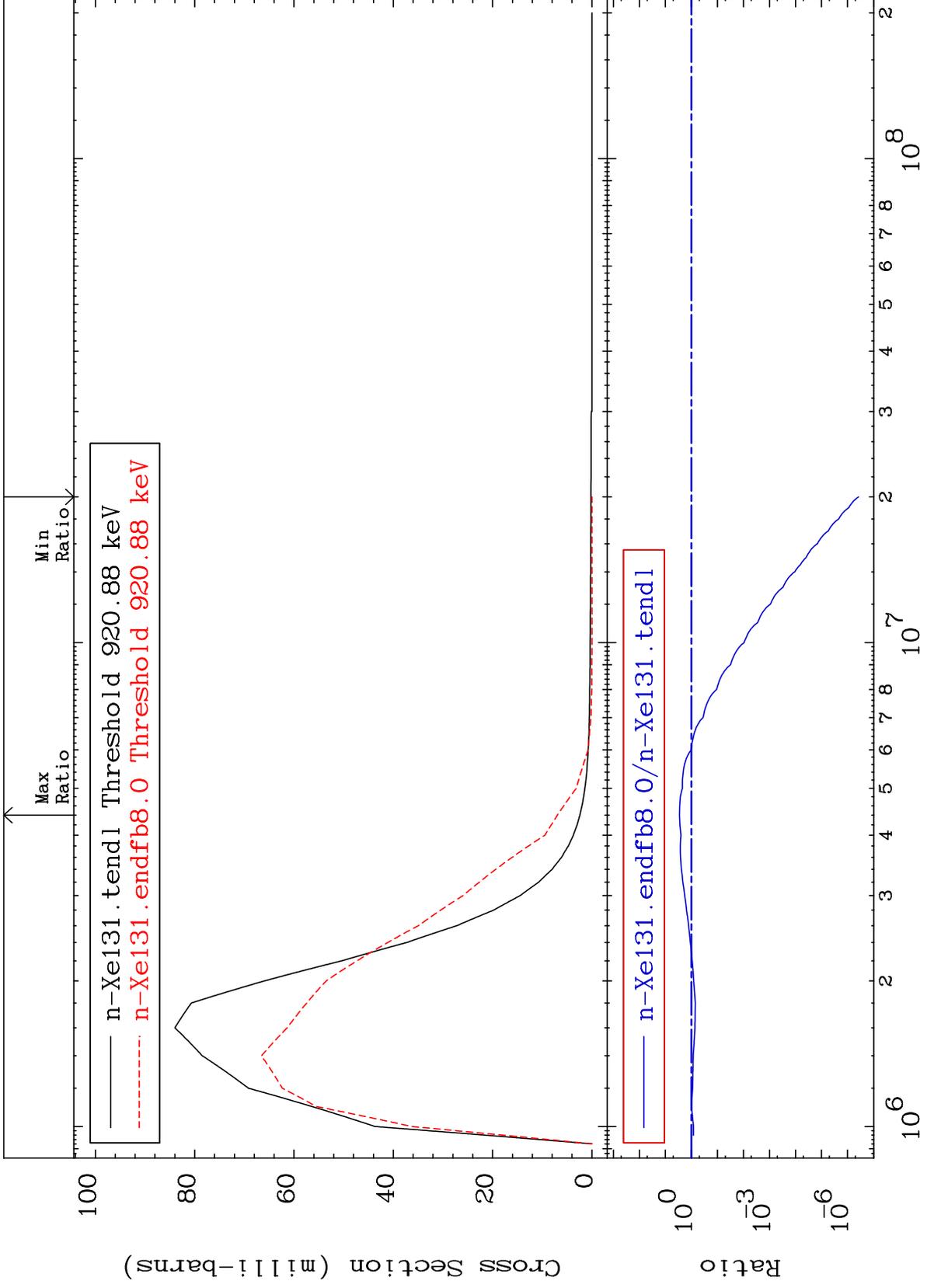
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-100.0 To 186.0 %



21

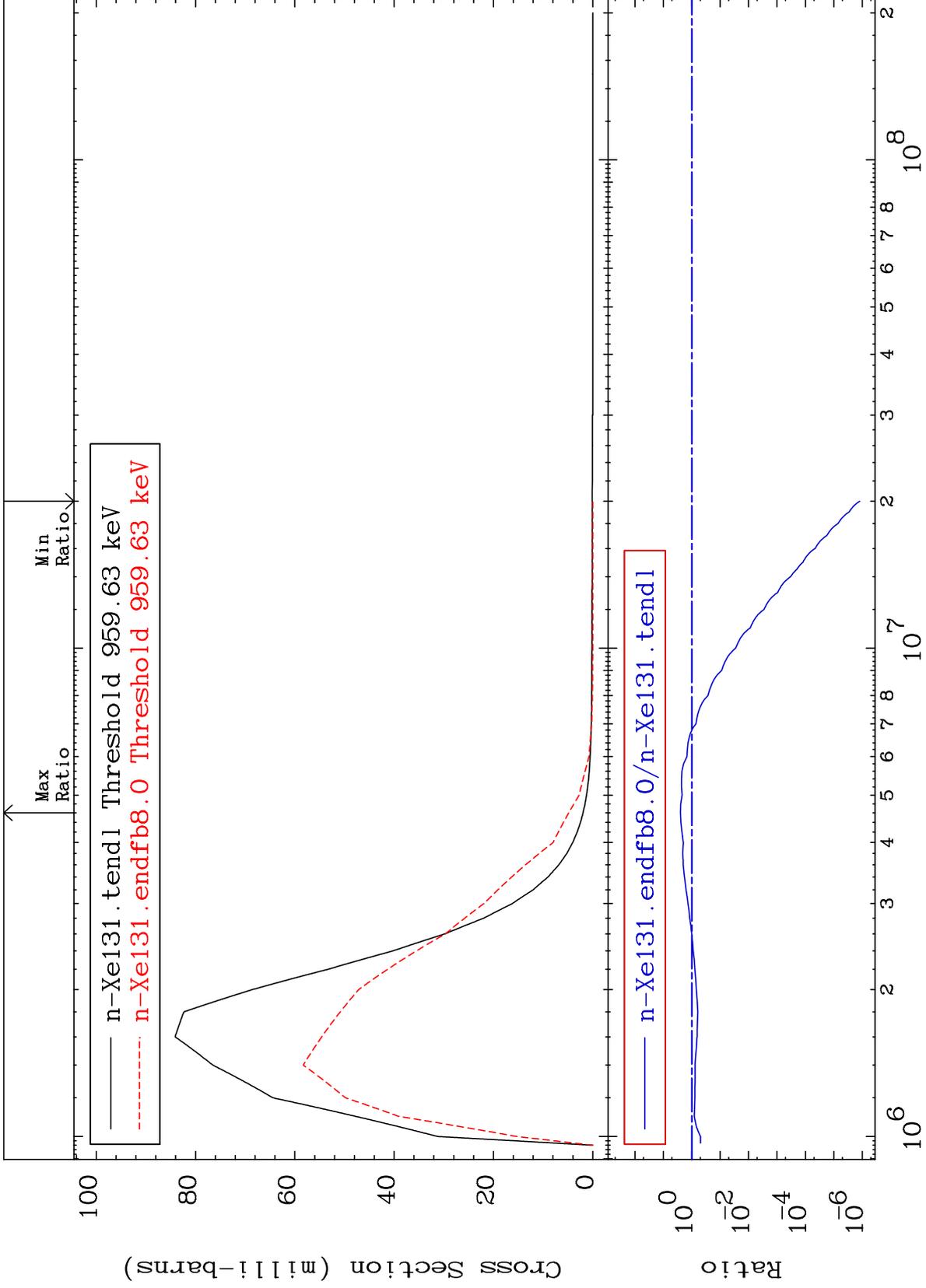
Incident Energy (eV)

54-Xe-131

MAT 5446

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

54-Xe-131
-100.0 To 148.3 %



22

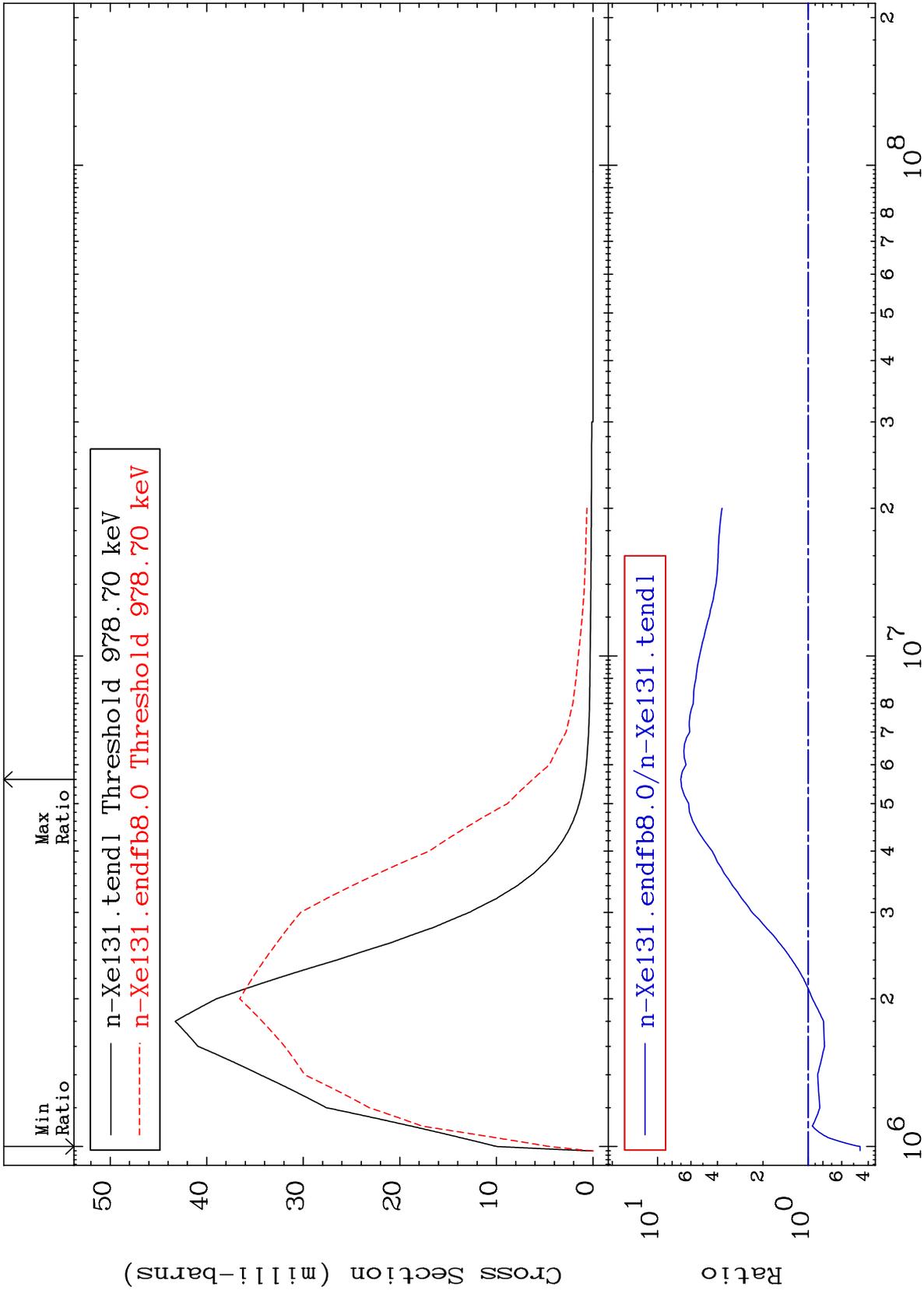
Incident Energy (eV)

54-Xe-131

MAT 5446

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

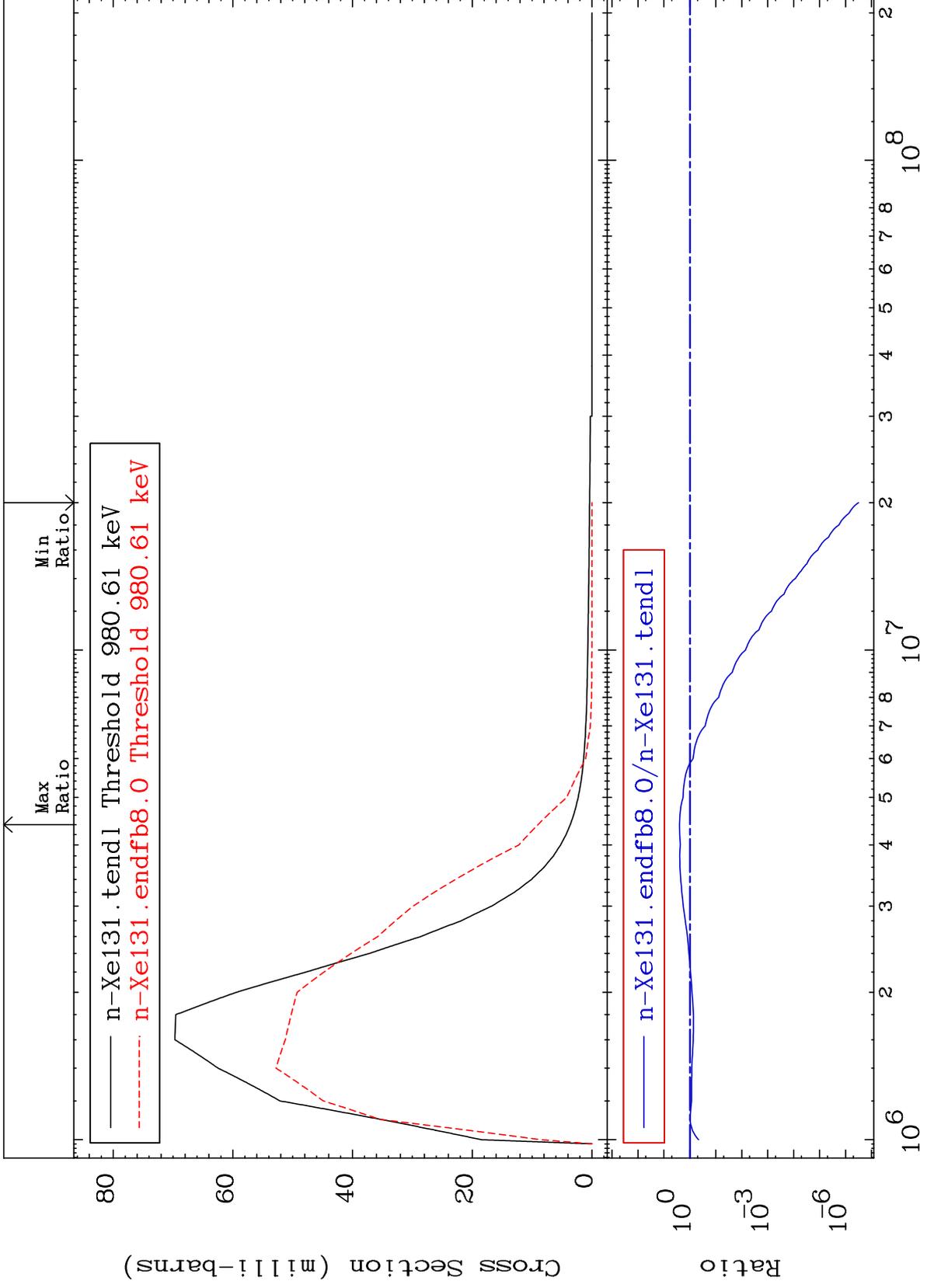
54-Xe-131
-54.67 To 601.4 %



MAT 5446

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

54-Xe-131
-100.0 To 149.7 %



24

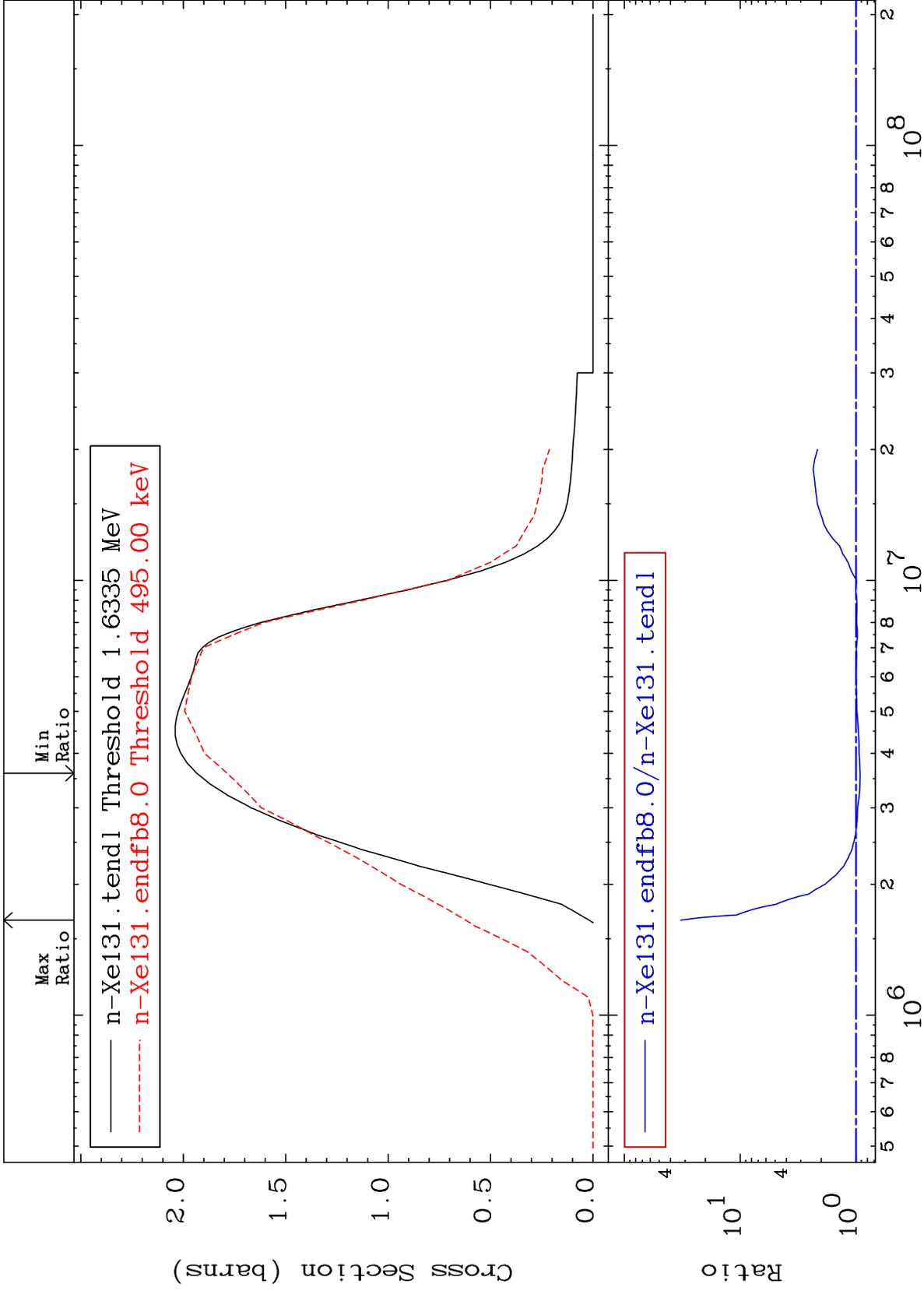
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, n') Continuum
Cross Section

54-Xe-131
-7.657 To 3164. %



25

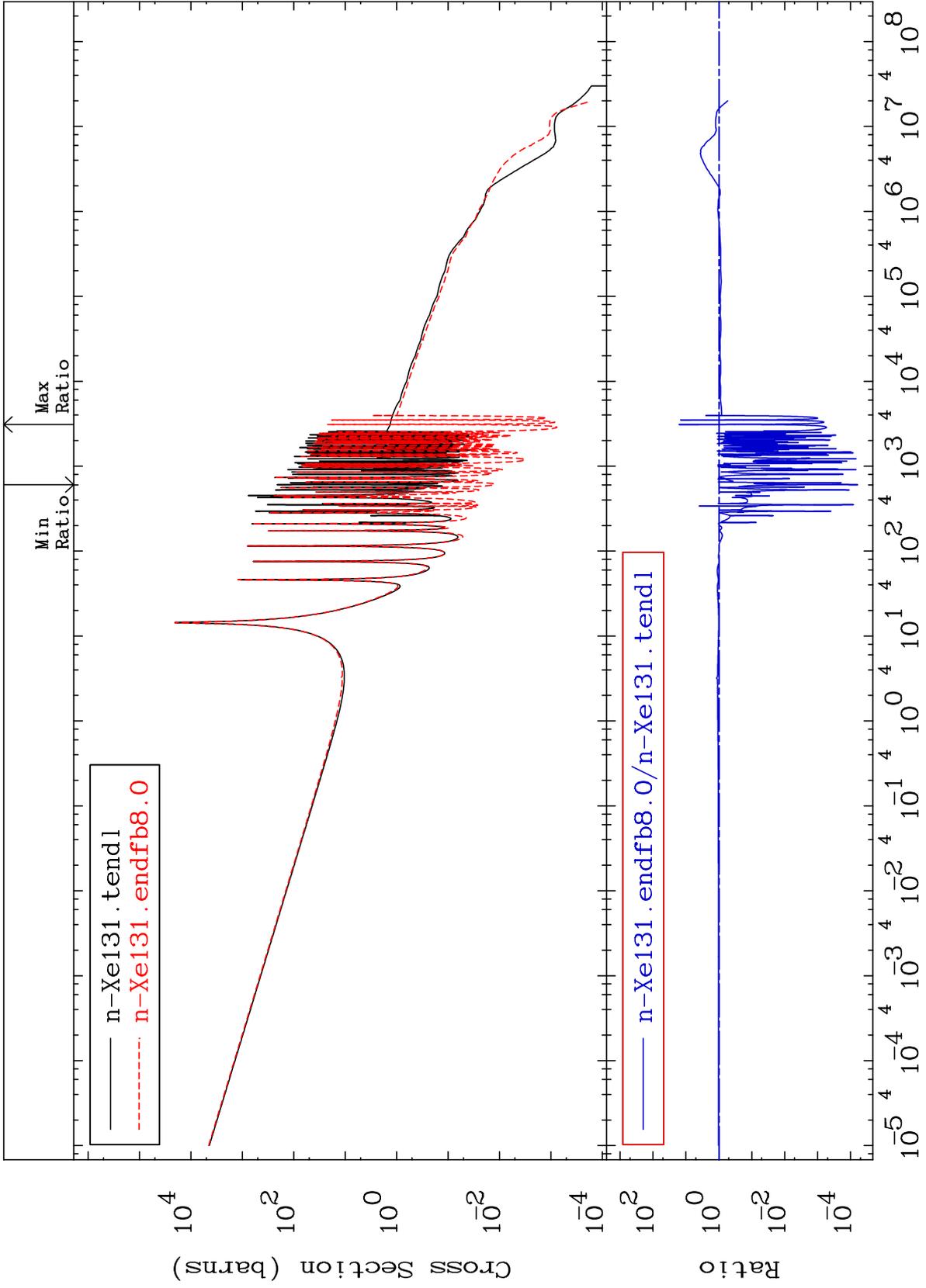
Incident Energy (eV)

54-Xe-131

MAT 5446

(n, γ)
Cross Section

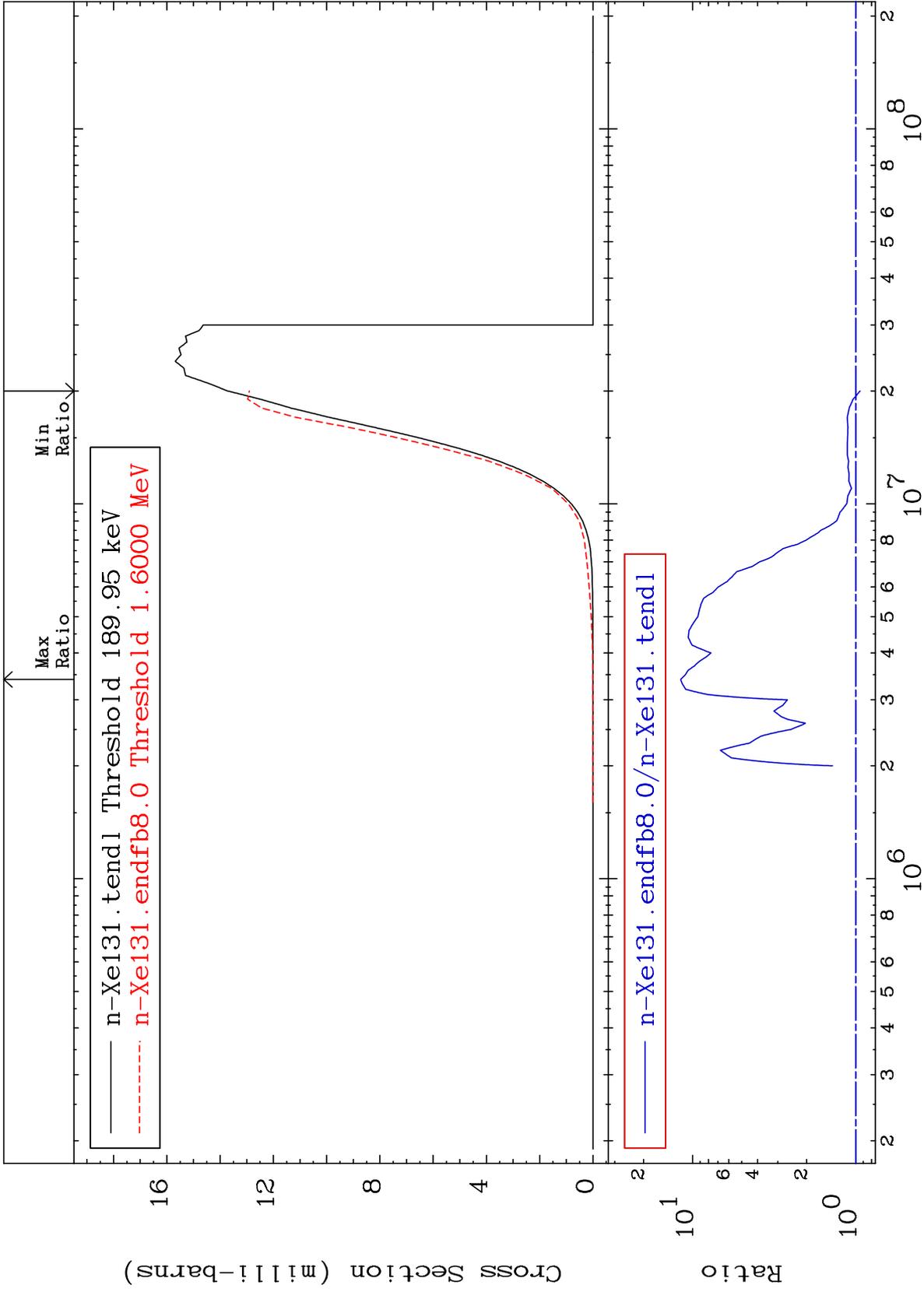
54-Xe-131
-99.99 To 1545. %



MAT 5446

(n,p)
Cross Section

54-Xe-131
-5.972 To 1082. %



27

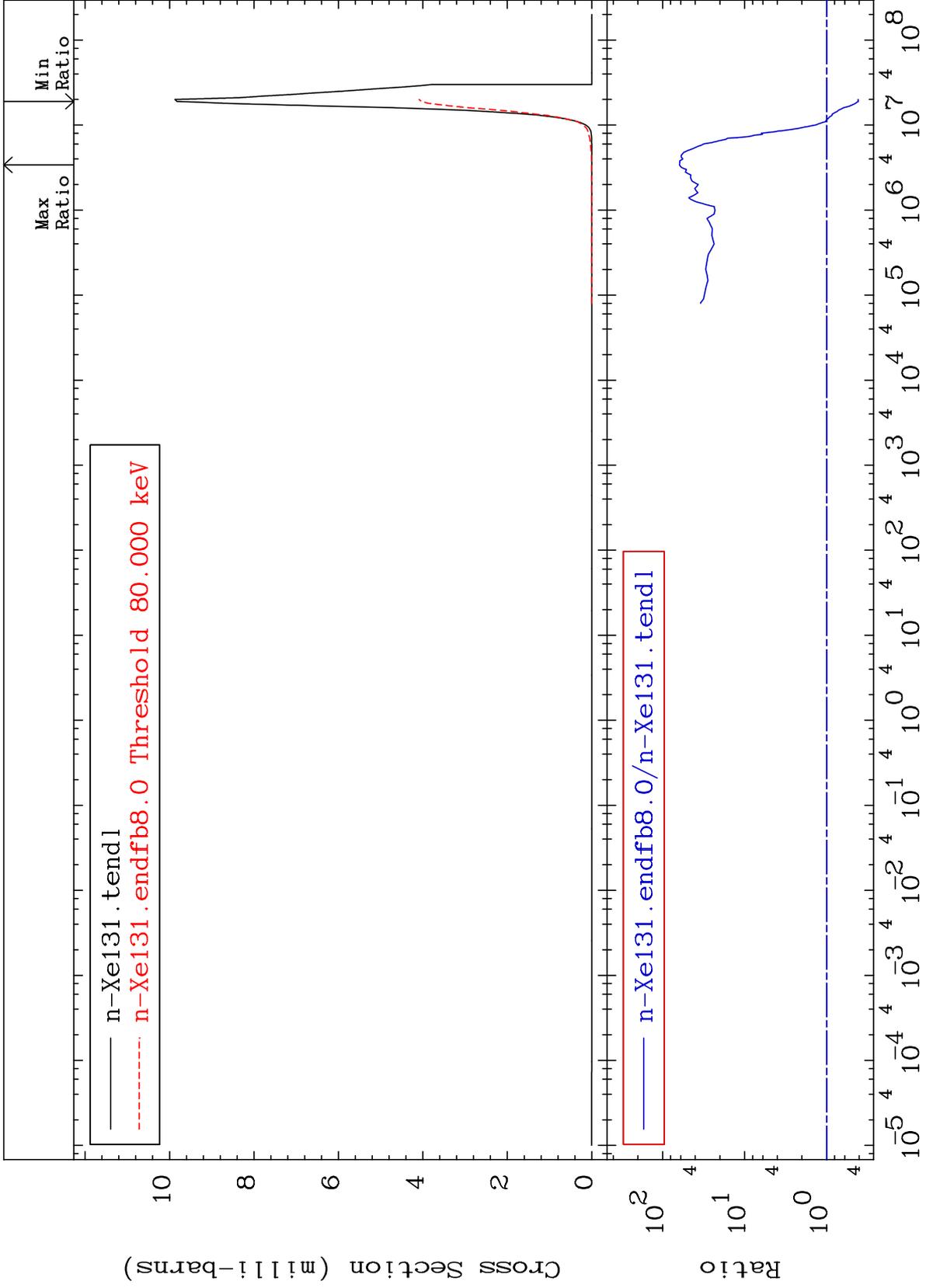
Incident Energy (eV)

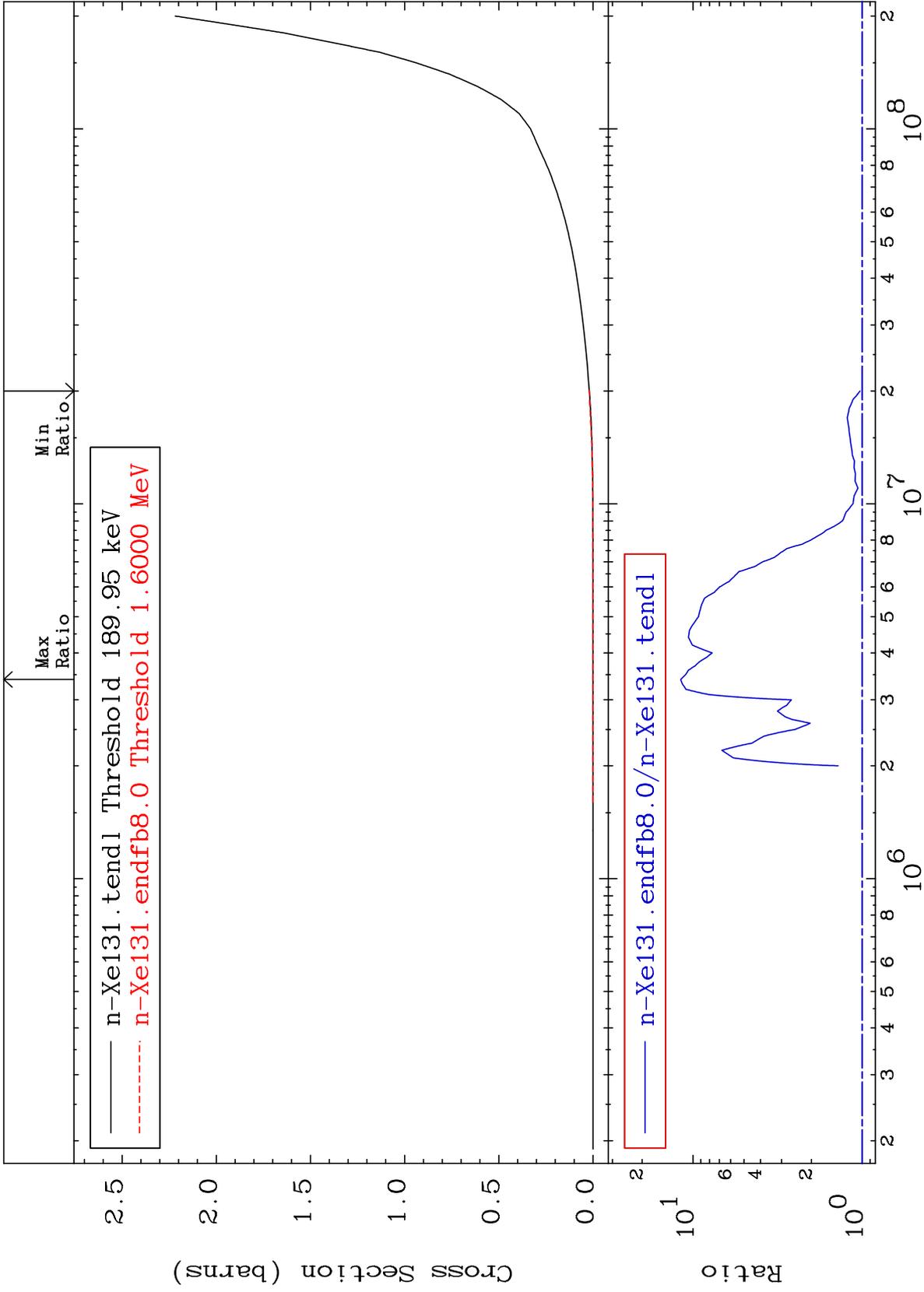
54-Xe-131

MAT 5446

(n, α)
Cross Section

54-Xe-131
-58.94 To 6148. %

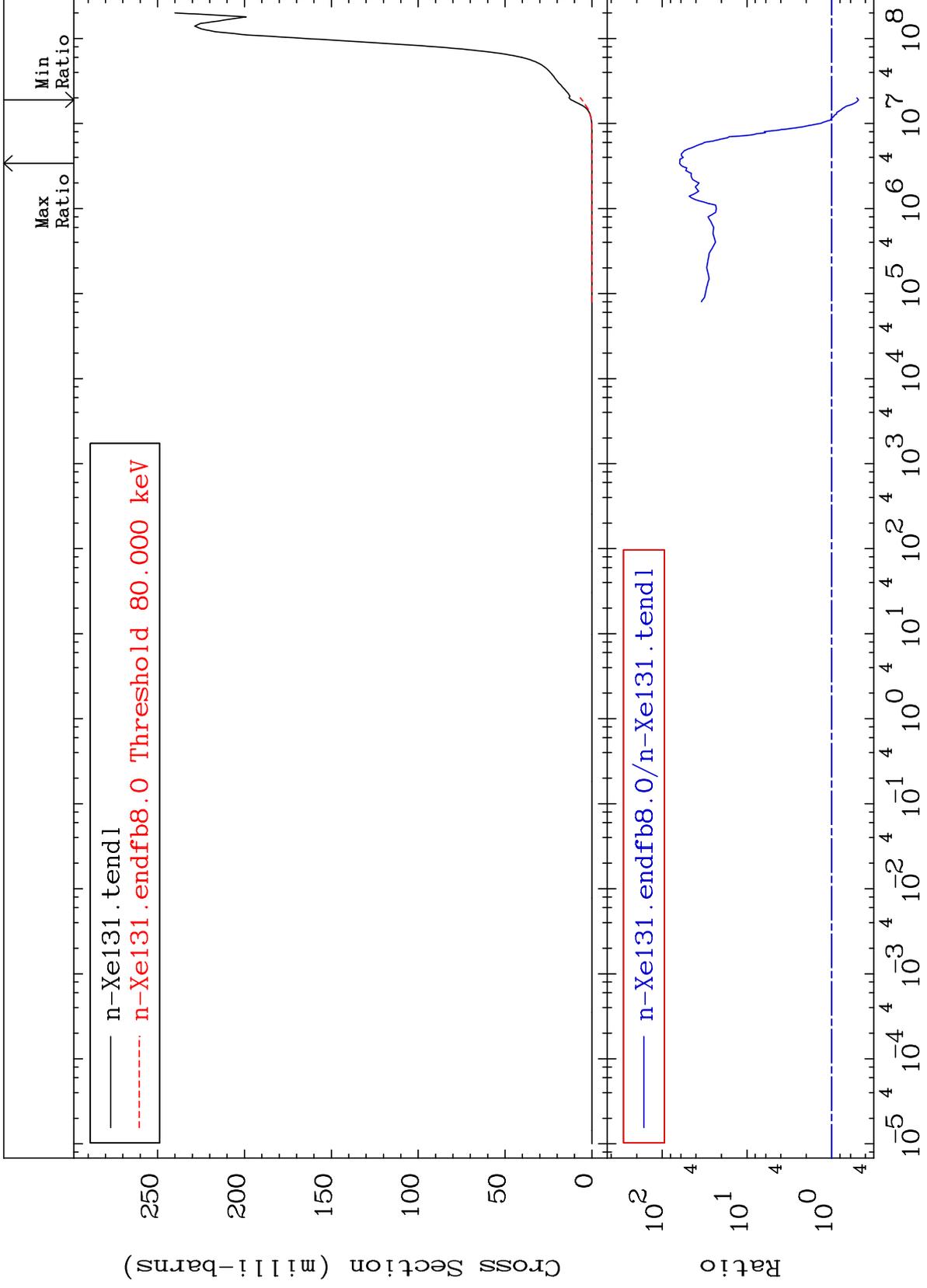




MAT 5446

He-4 Production
Cross Section

54-Xe-131
-51.74 To 6148. %



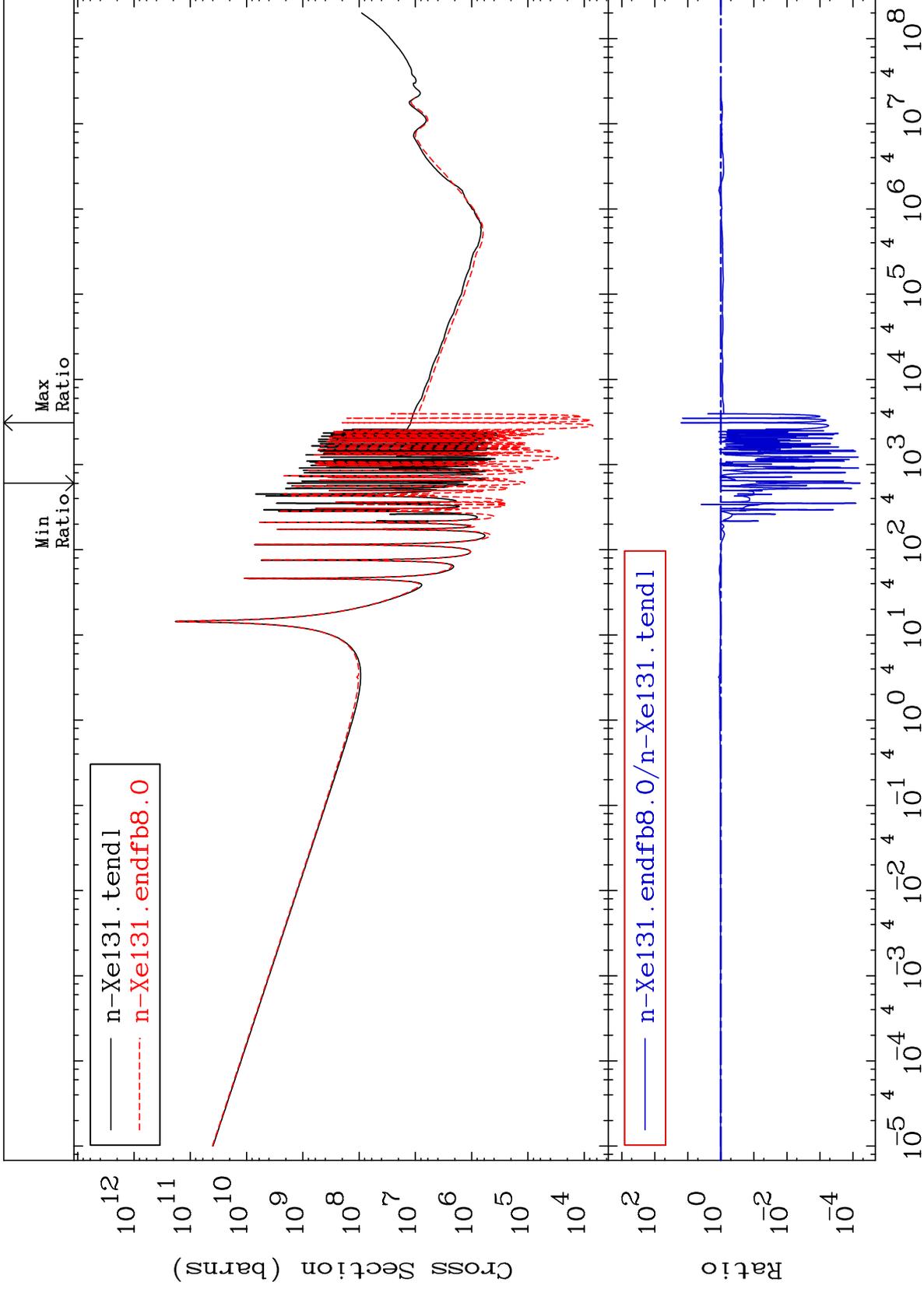
30

Incident Energy (eV)

54-Xe-131

Cross Section

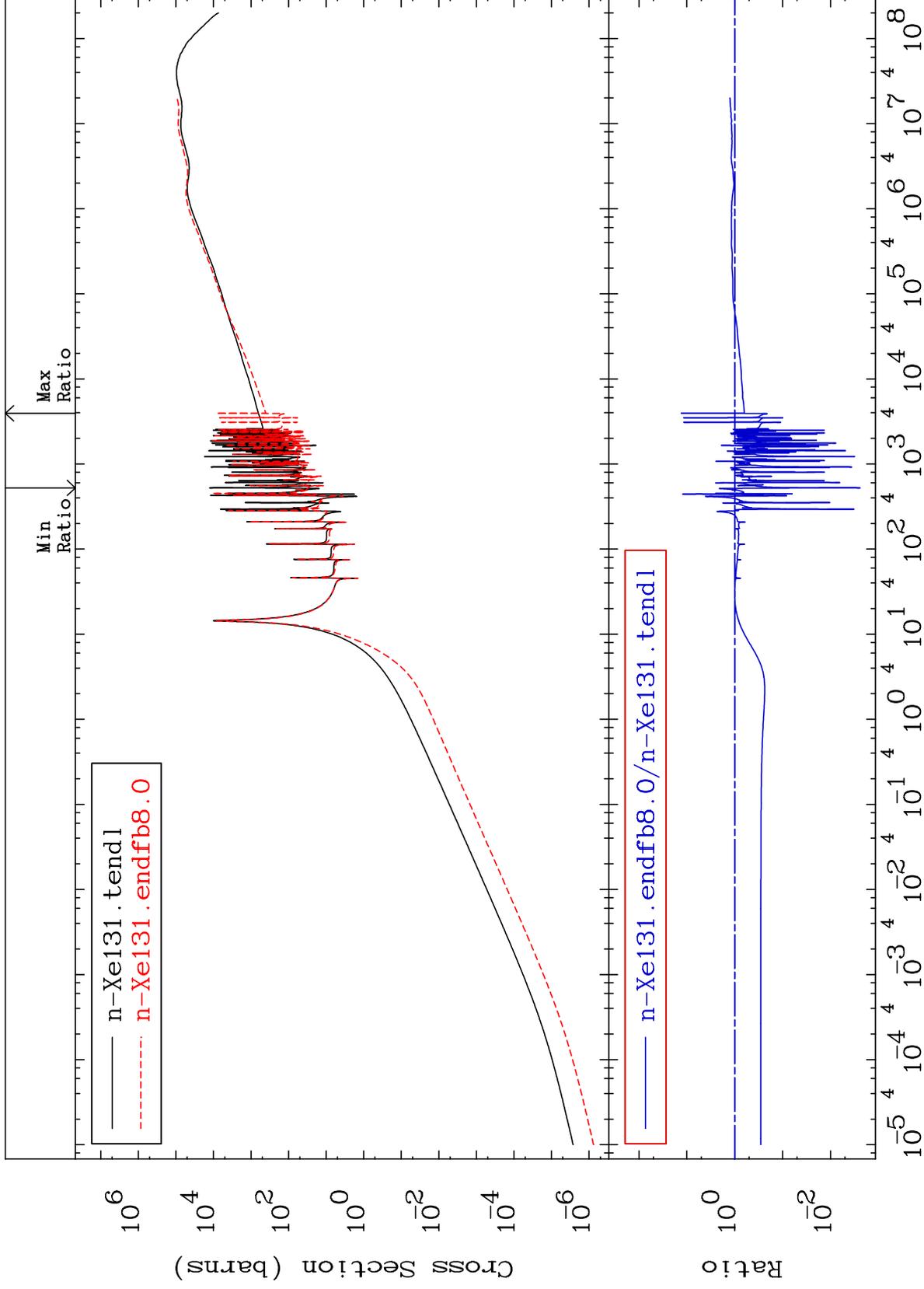
-99.99 To 1537. %

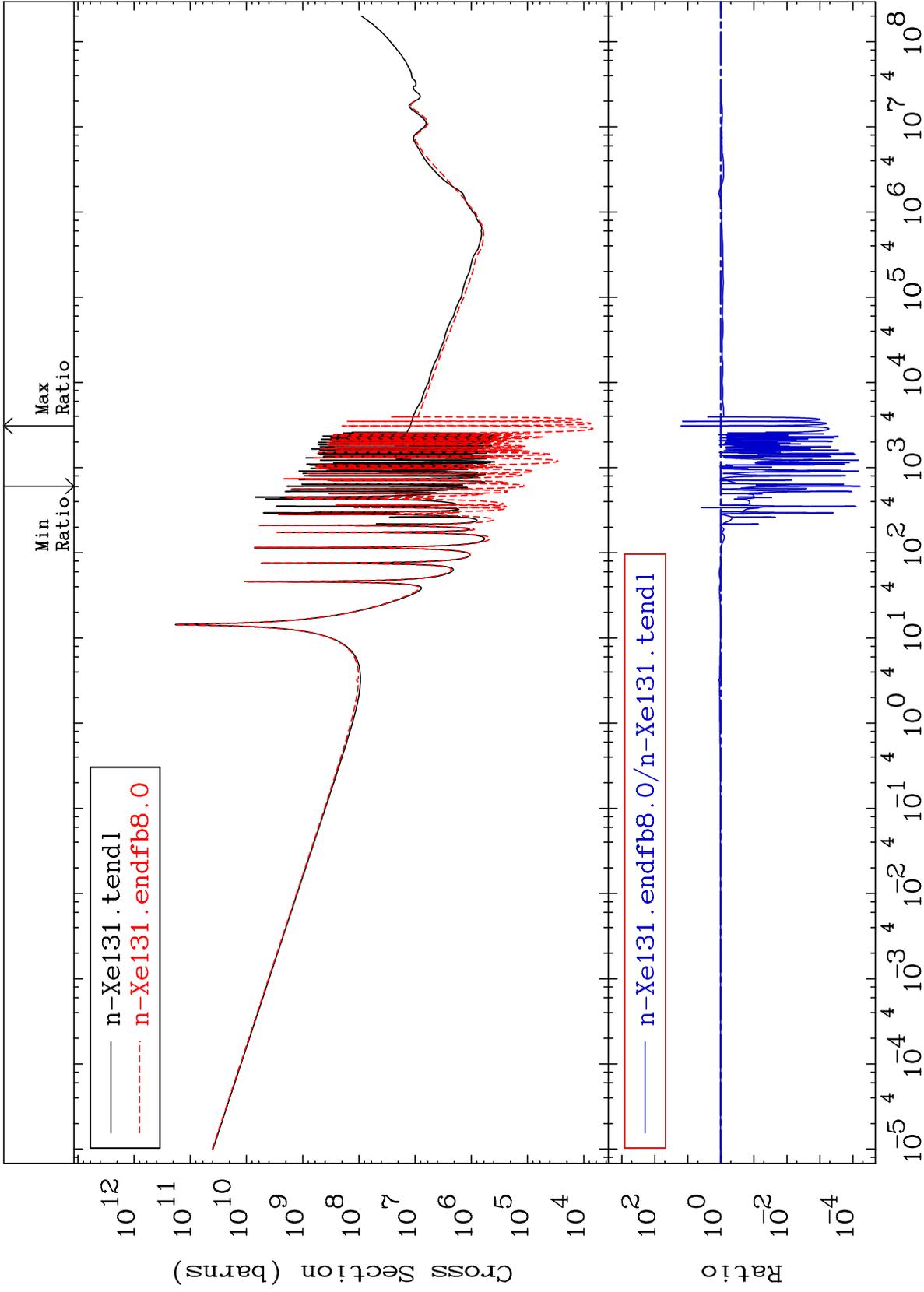


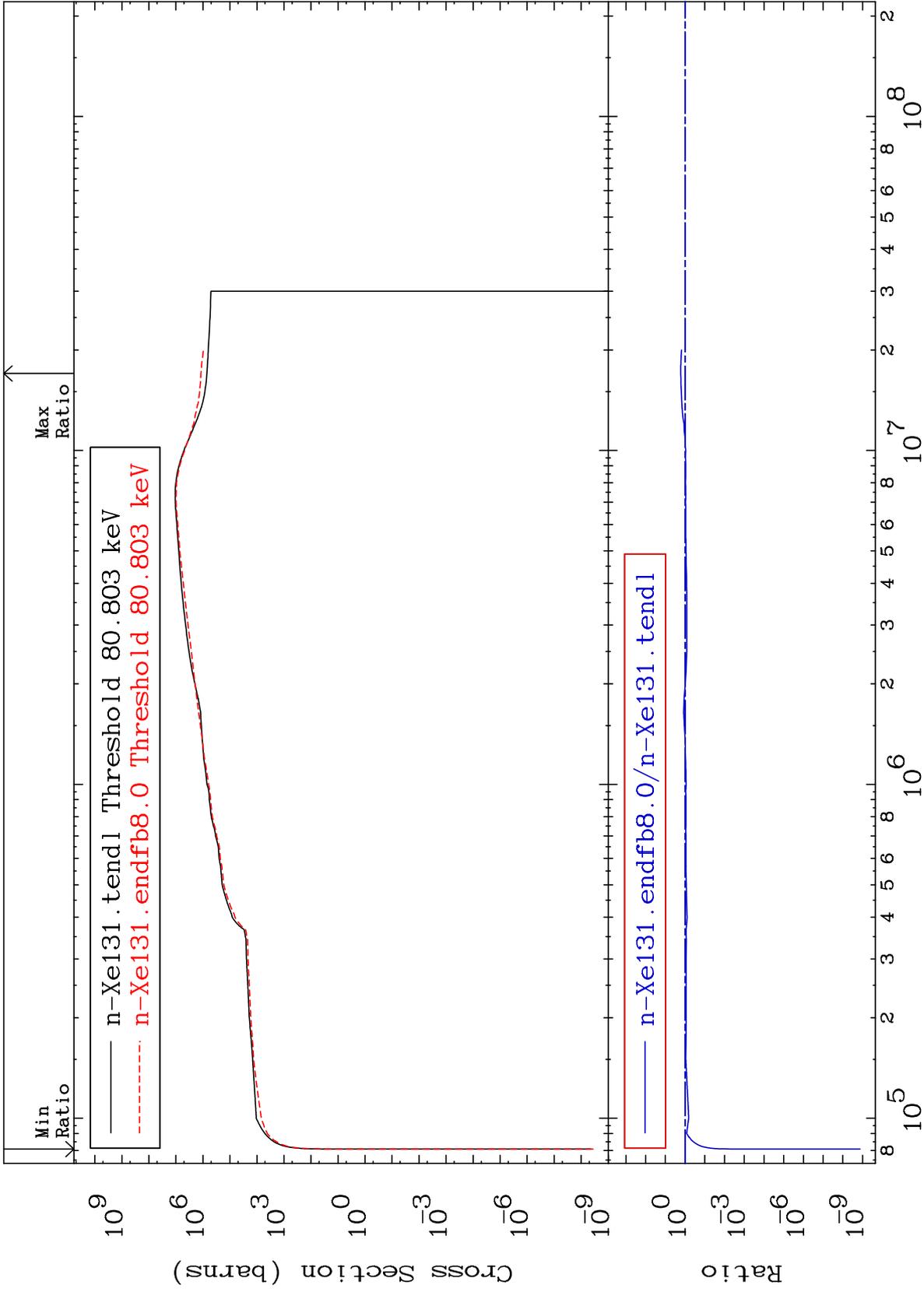
MAT 5446

Kerma elastic
Cross Section

54-Xe-131
-99.76 To 1213. %



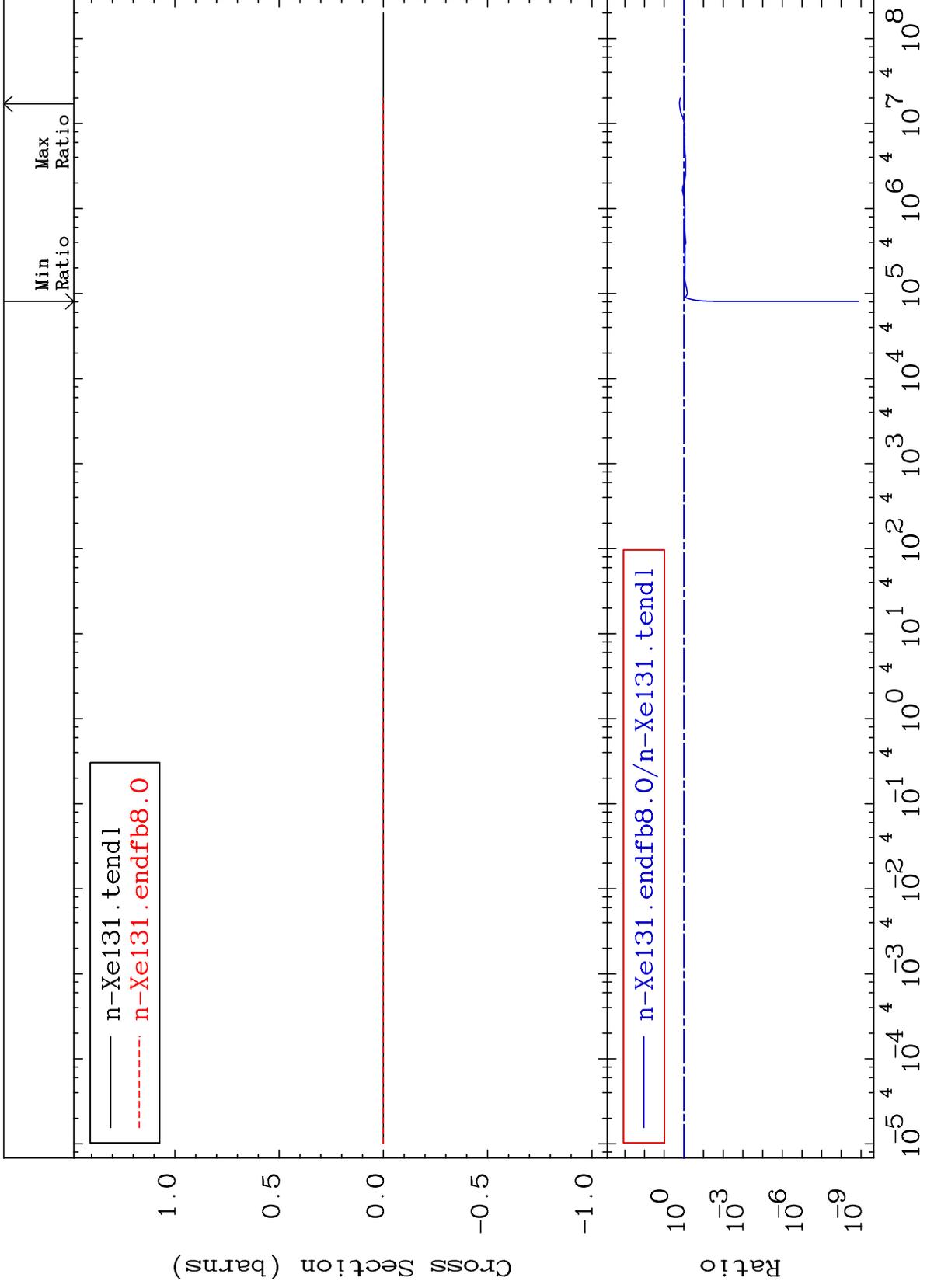


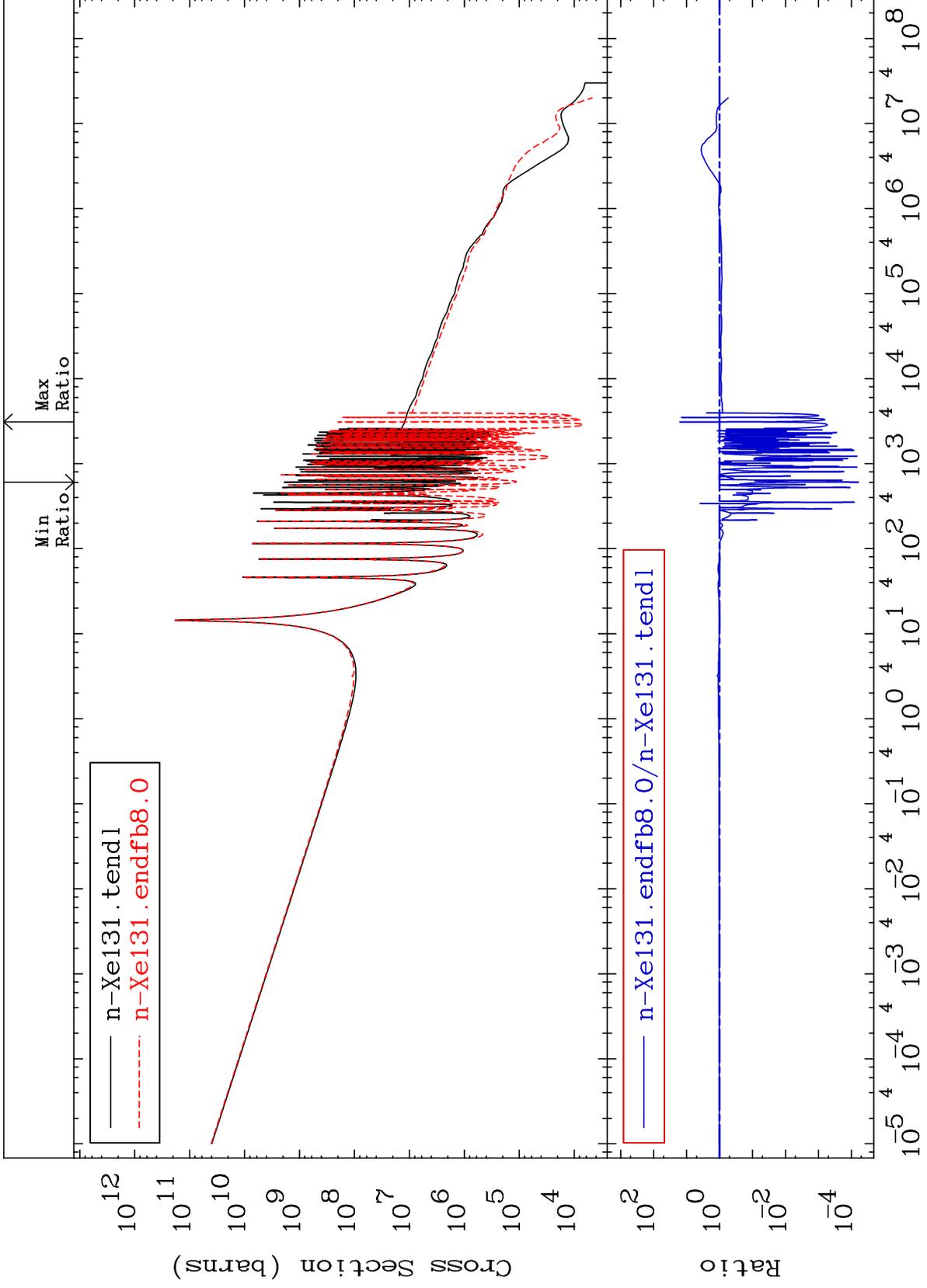


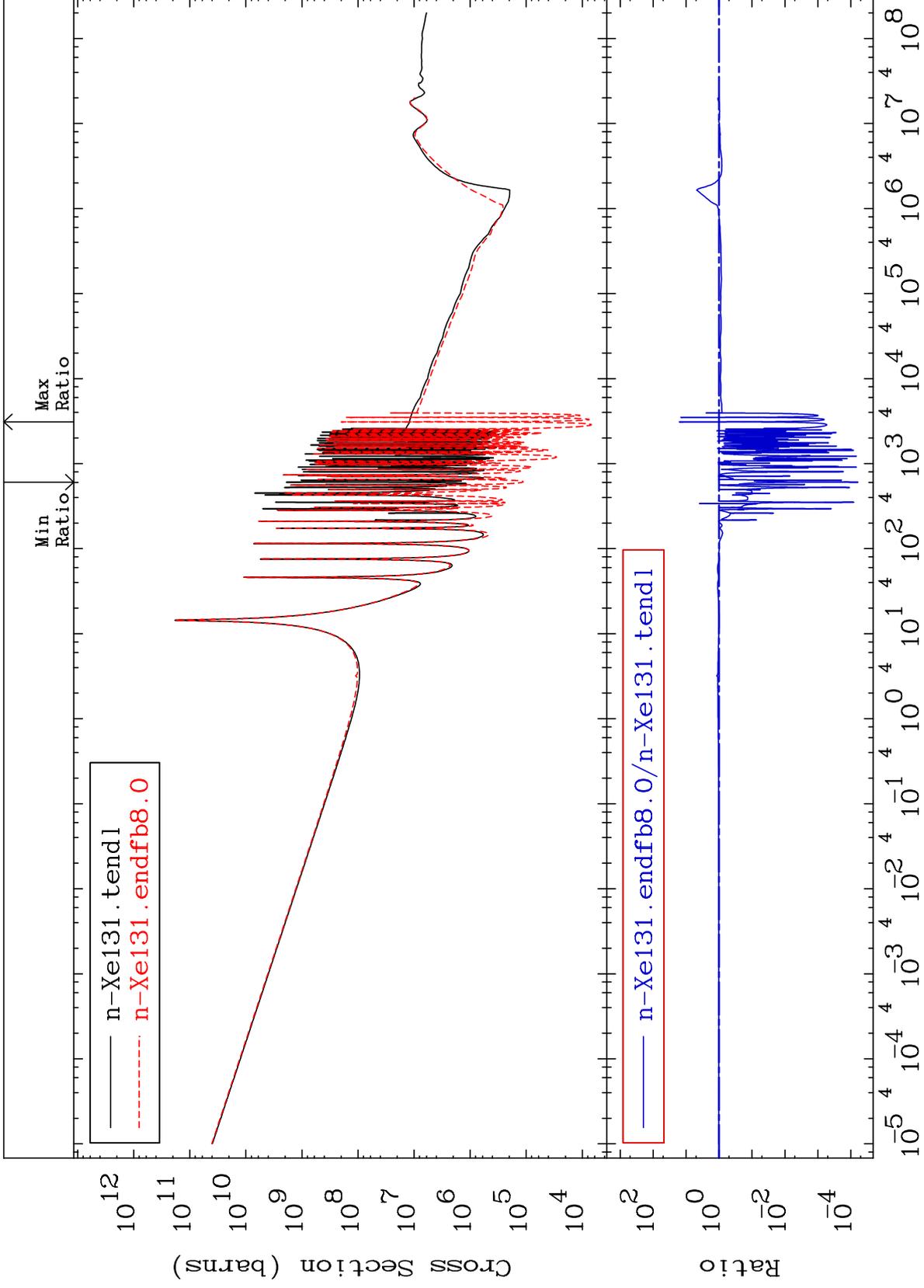
MAT 5446

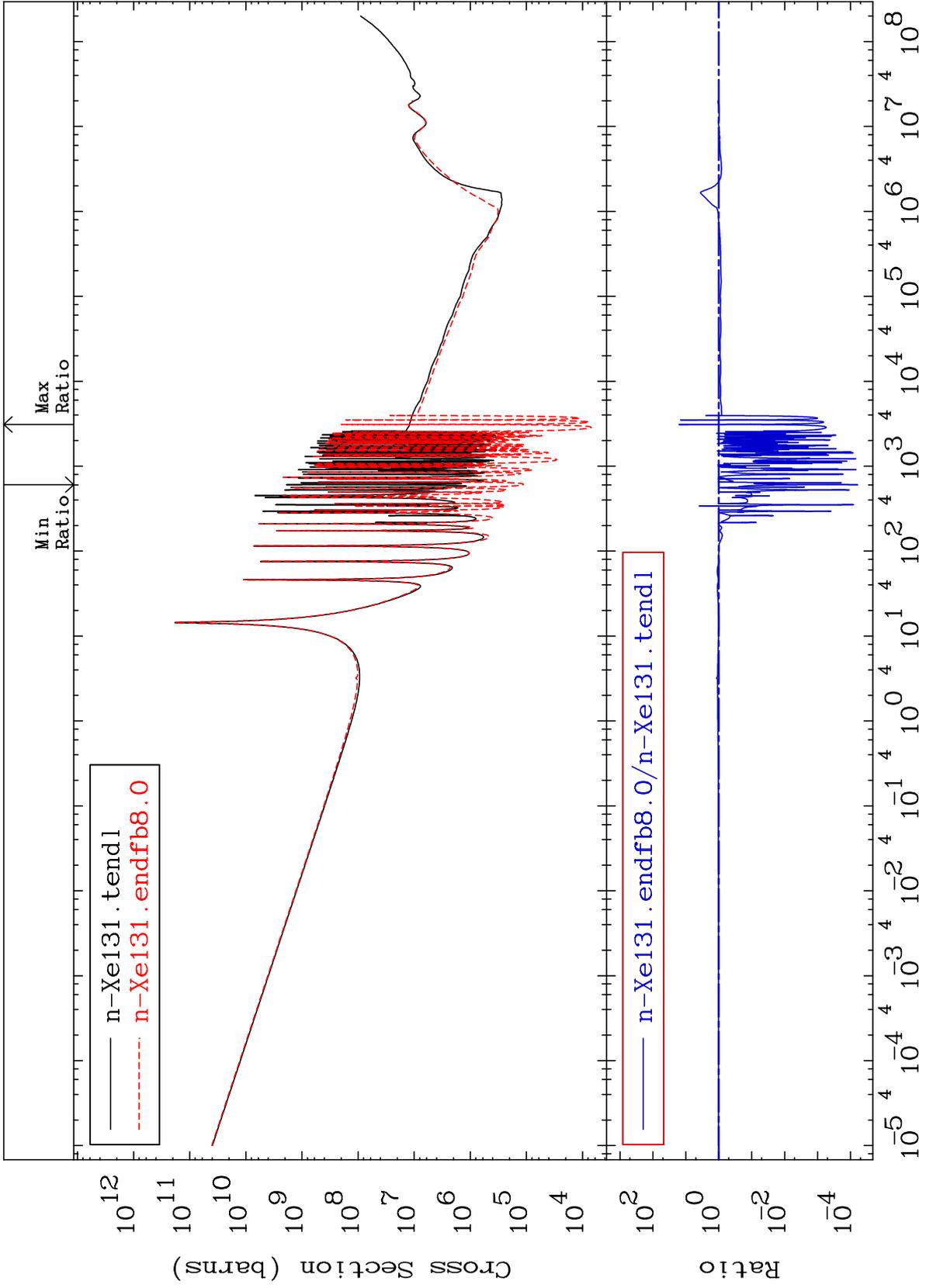
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

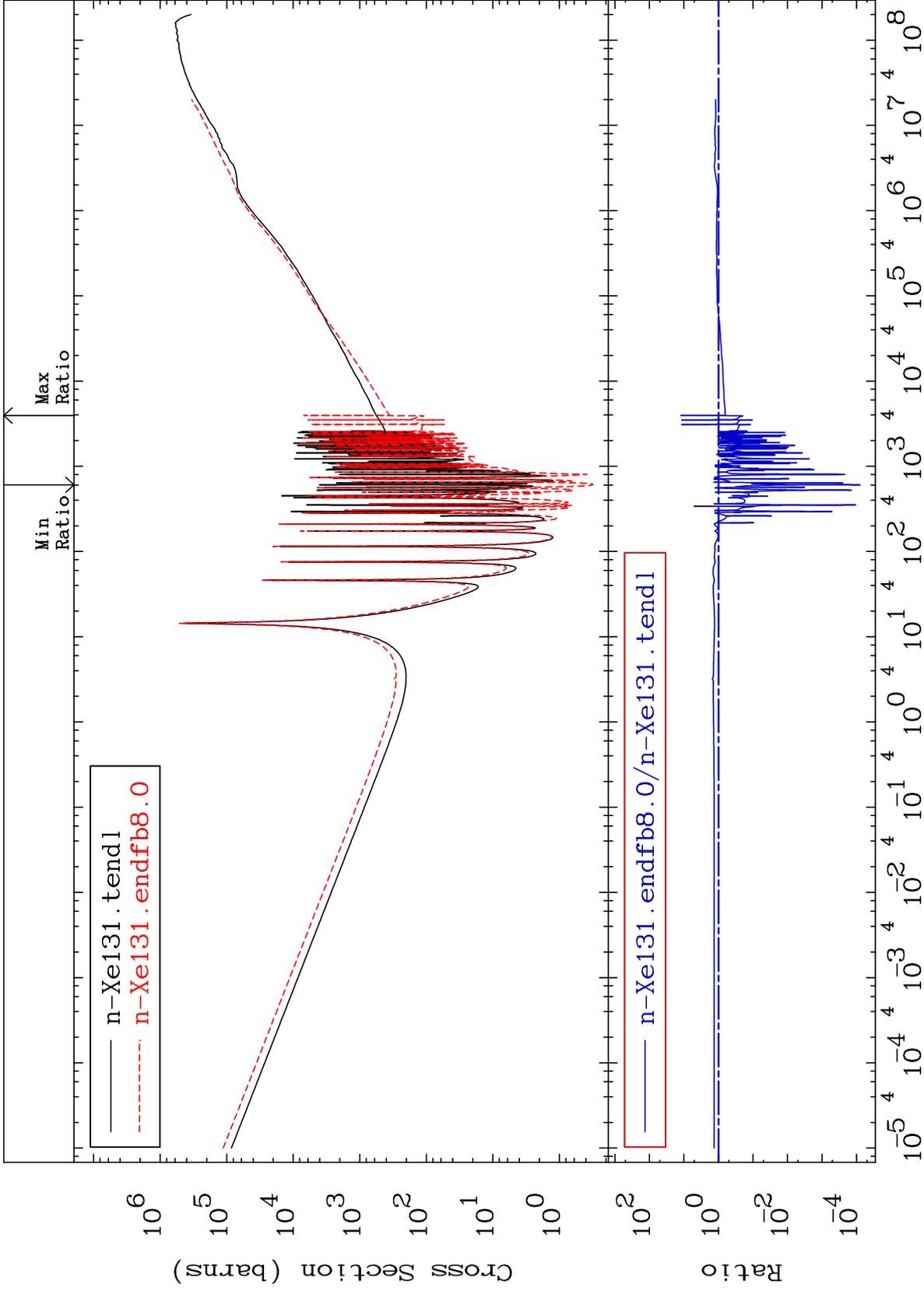
54-Xe-131
-100.0 To 65.48 %











MAT 5446

Dpa elastic (mt2)
Cross Section

54-Xe-131
-99.75 To 9999. %

