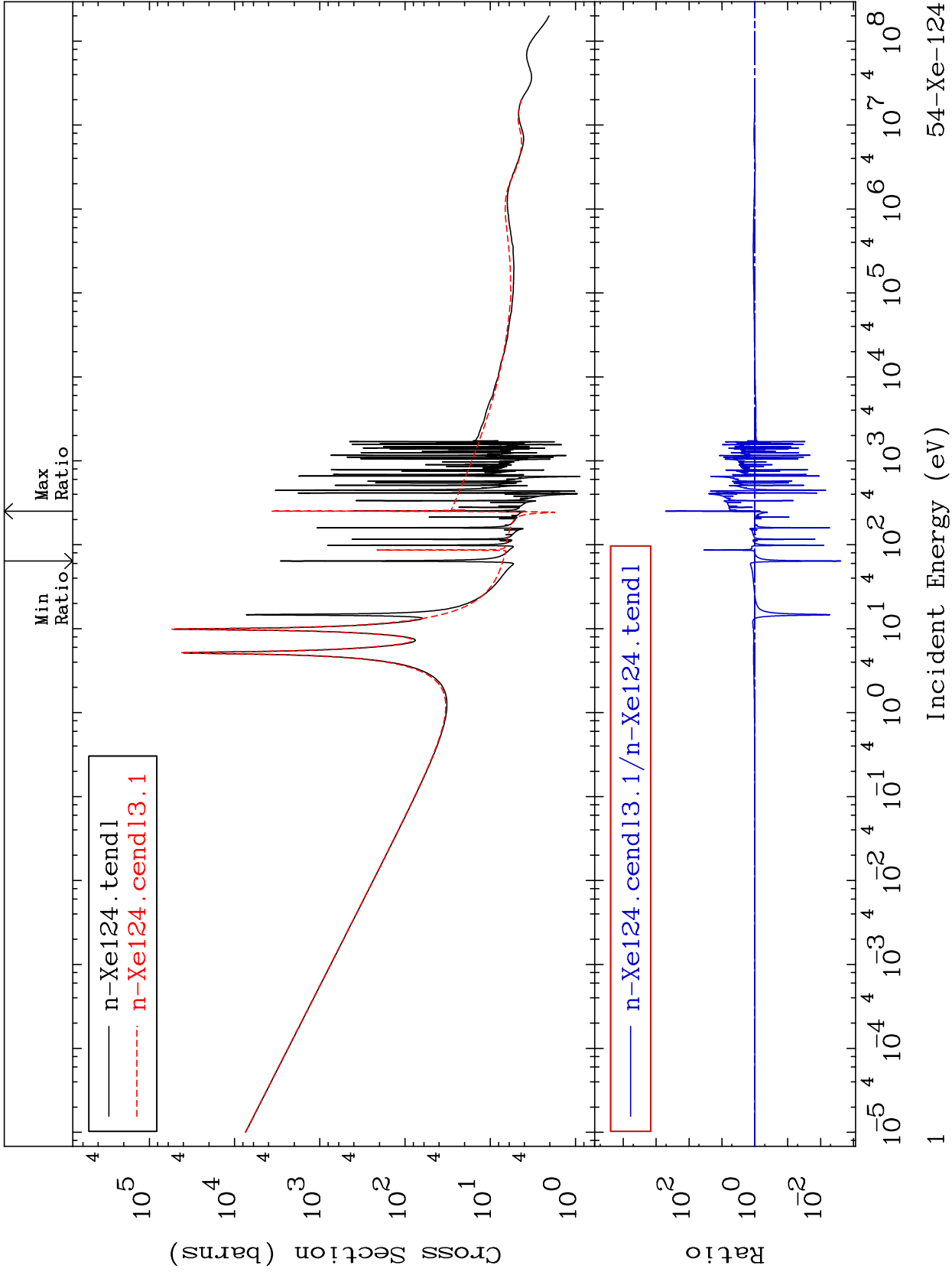


MAT 5425

Total Cross Section
54-Xe-124
-99.75 To 9999. %



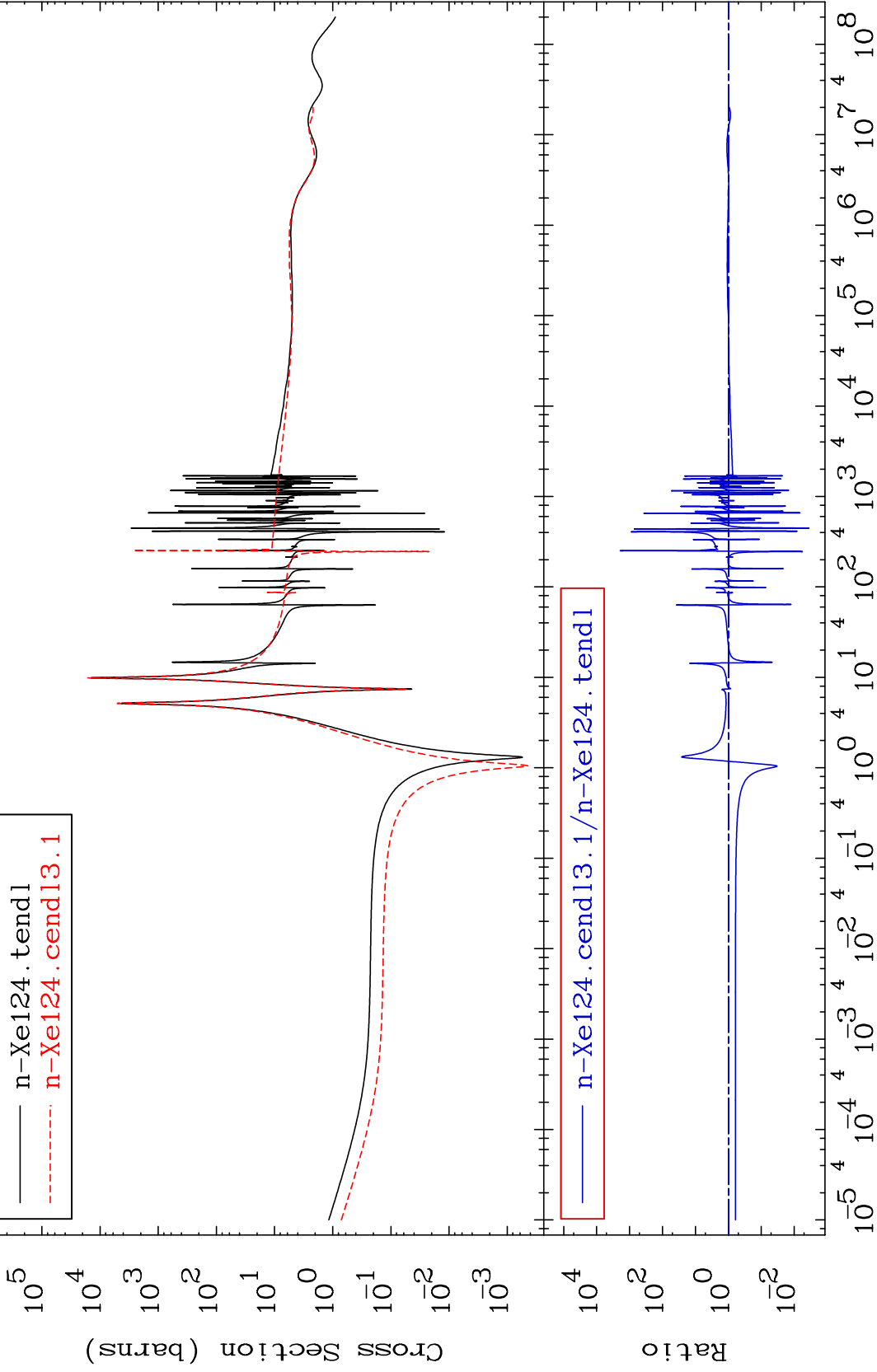
54-Xe-124

Incident Energy (eV)

MAT 5425

Elastic
Cross Section

54-Xe-124
-99.64 To 9999. %

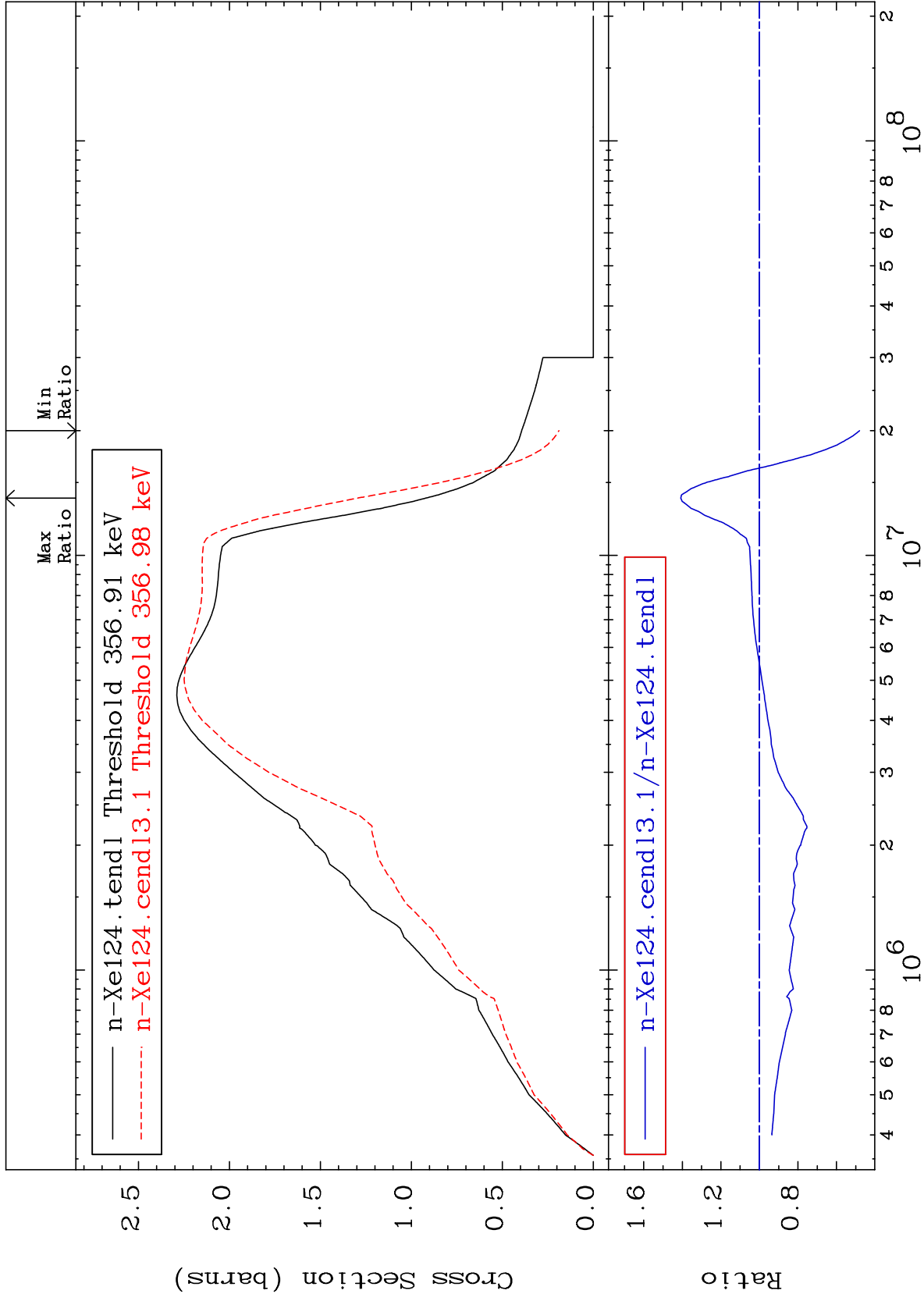


MAT 5425

54-Xe-124

-51.96 To 40.79 %

Inelastic
Cross Section



3

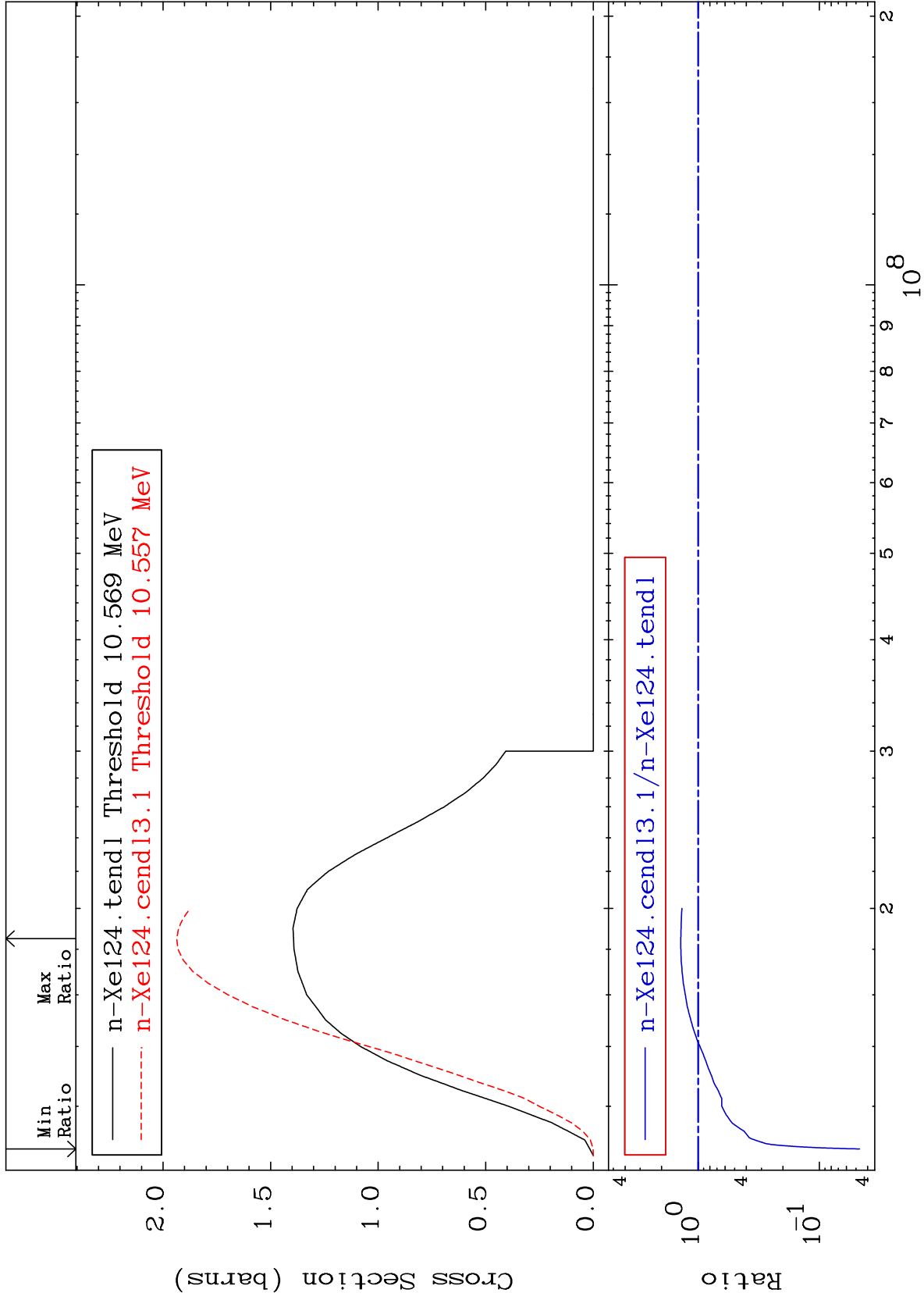
Incident Energy (eV)

54-Xe-124

MAT 5425

(n,2n)
Cross Section

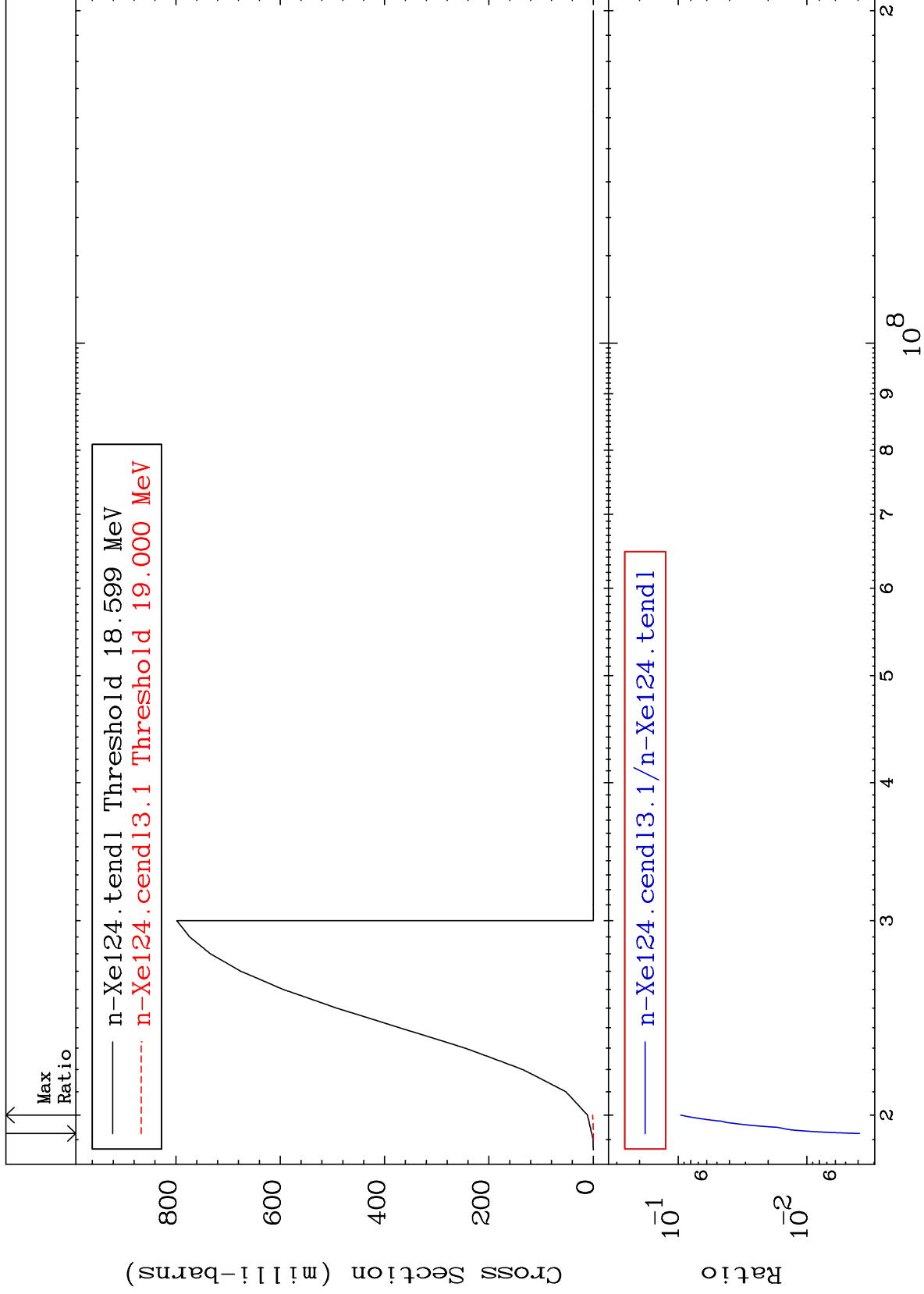
54-Xe-124
-95.33 To 38.96 %



MAT 5425

(n,3n)
Cross Section

54-Xe-124
-99.61 To -90.44%



5

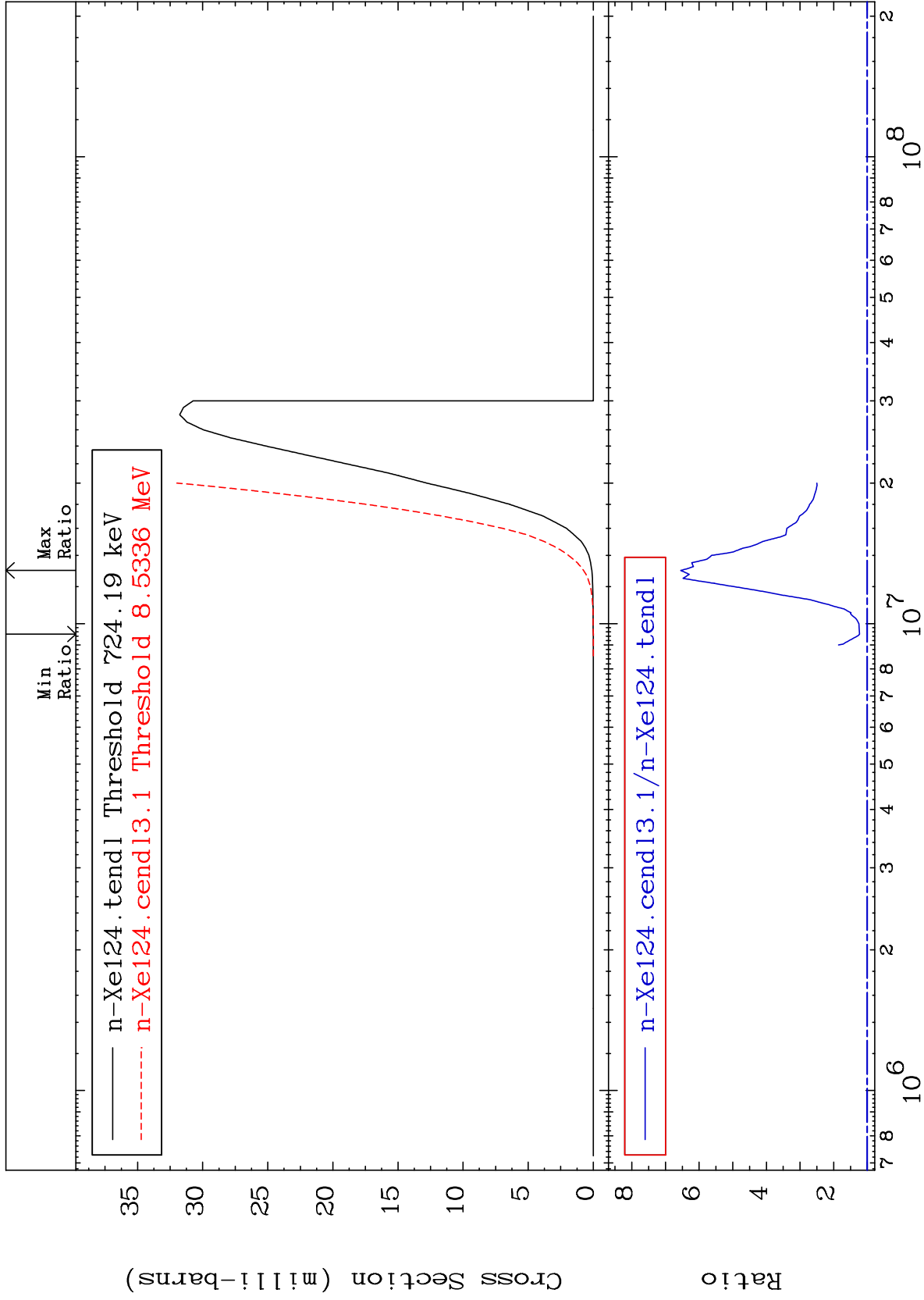
Incident Energy (eV)

54-Xe-124

MAT 5425

54-Xe-124
23.11 To 554.6 %

(n, n') α
Cross Section



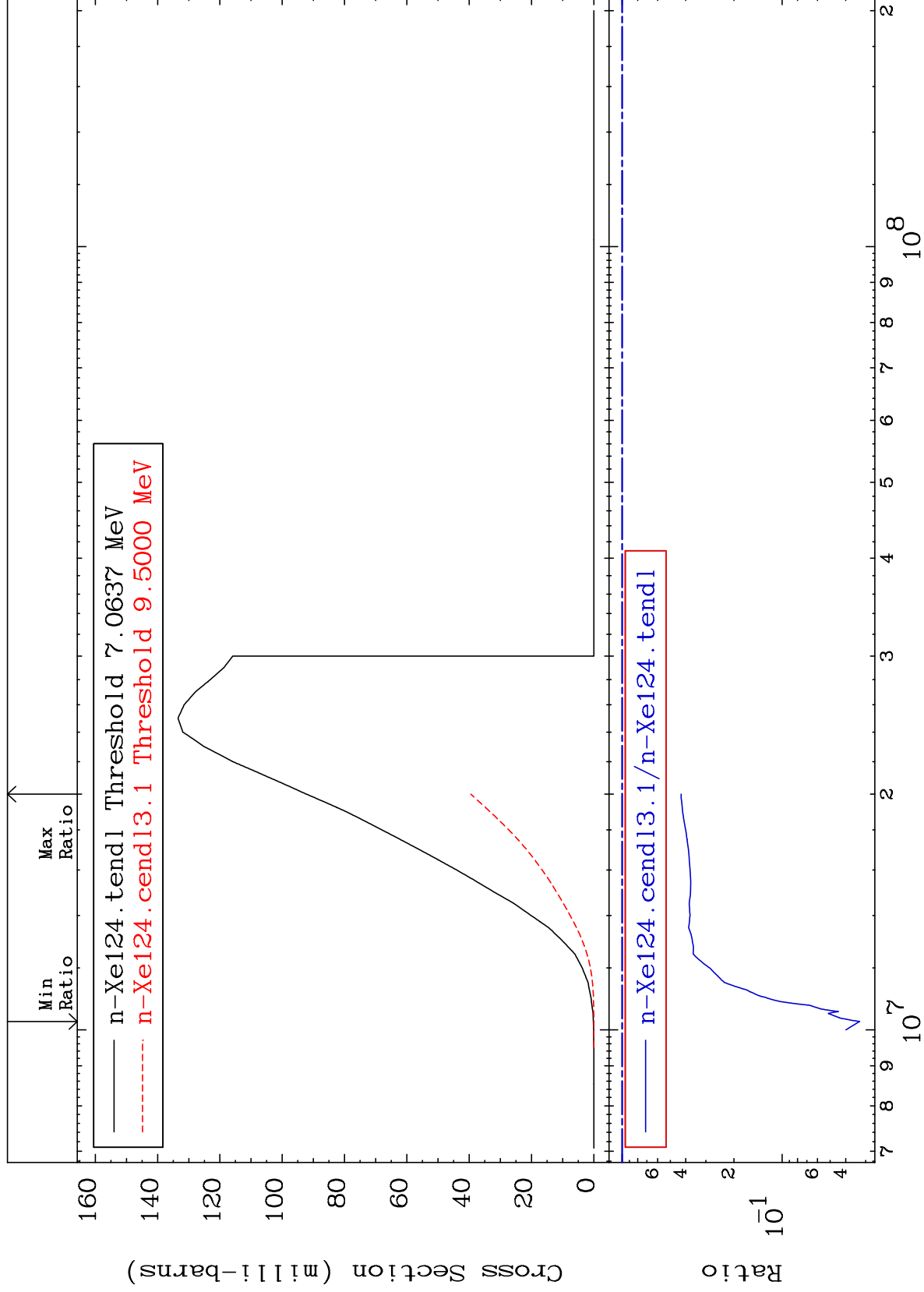
Incident Energy (eV)

54-Xe-124

MAT 5425

(n,n') p
Cross Section

54-Xe-124
-96.73 To -57.25%



7

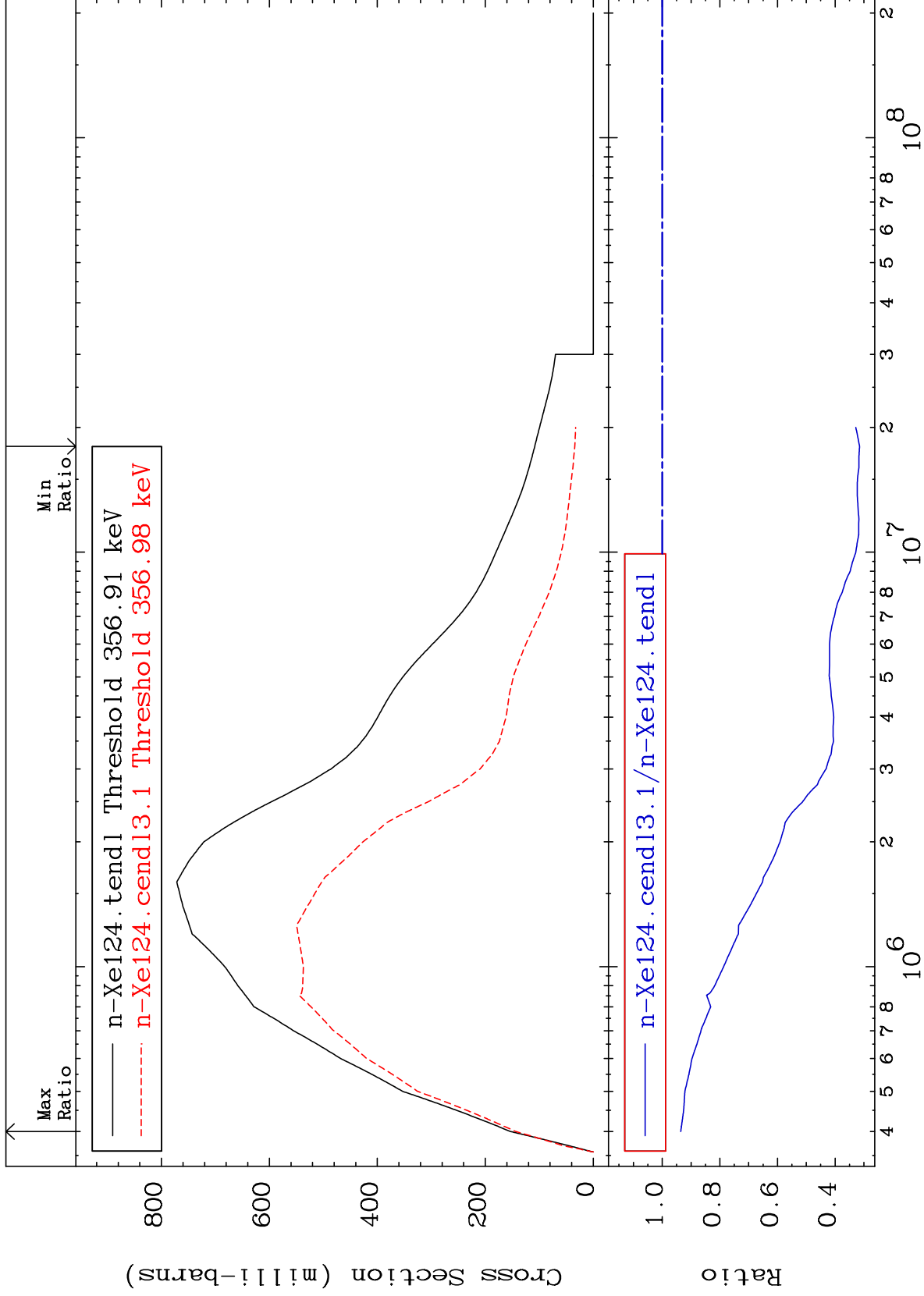
Incident Energy (eV)

54-Xe-124

MAT 5425

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

54-Xe-124
-68.48 To -6.438%



8

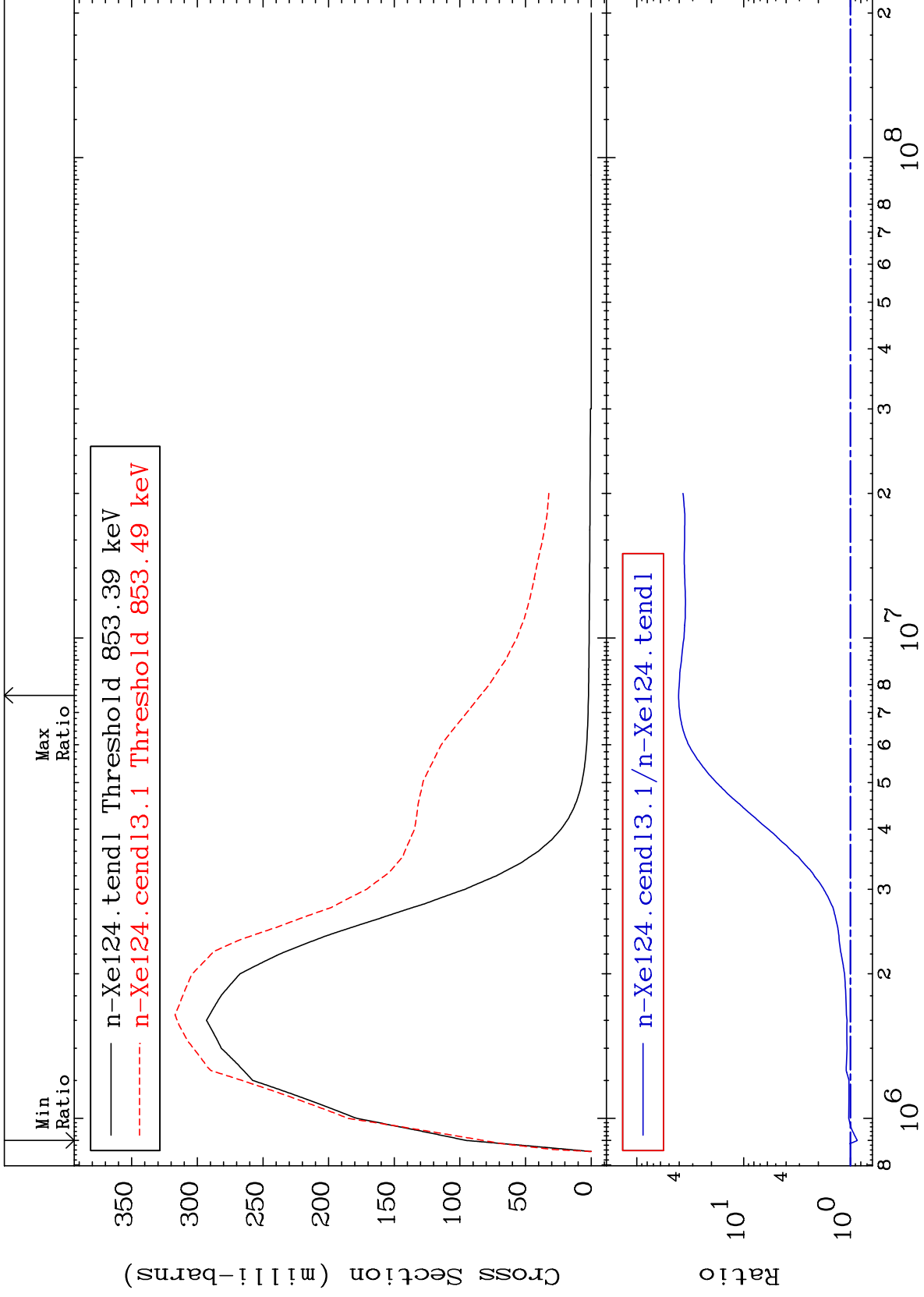
Incident Energy (eV)

54-Xe-124

MAT 5425

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

54-Xe-124
-13.71 To 3959. %



9

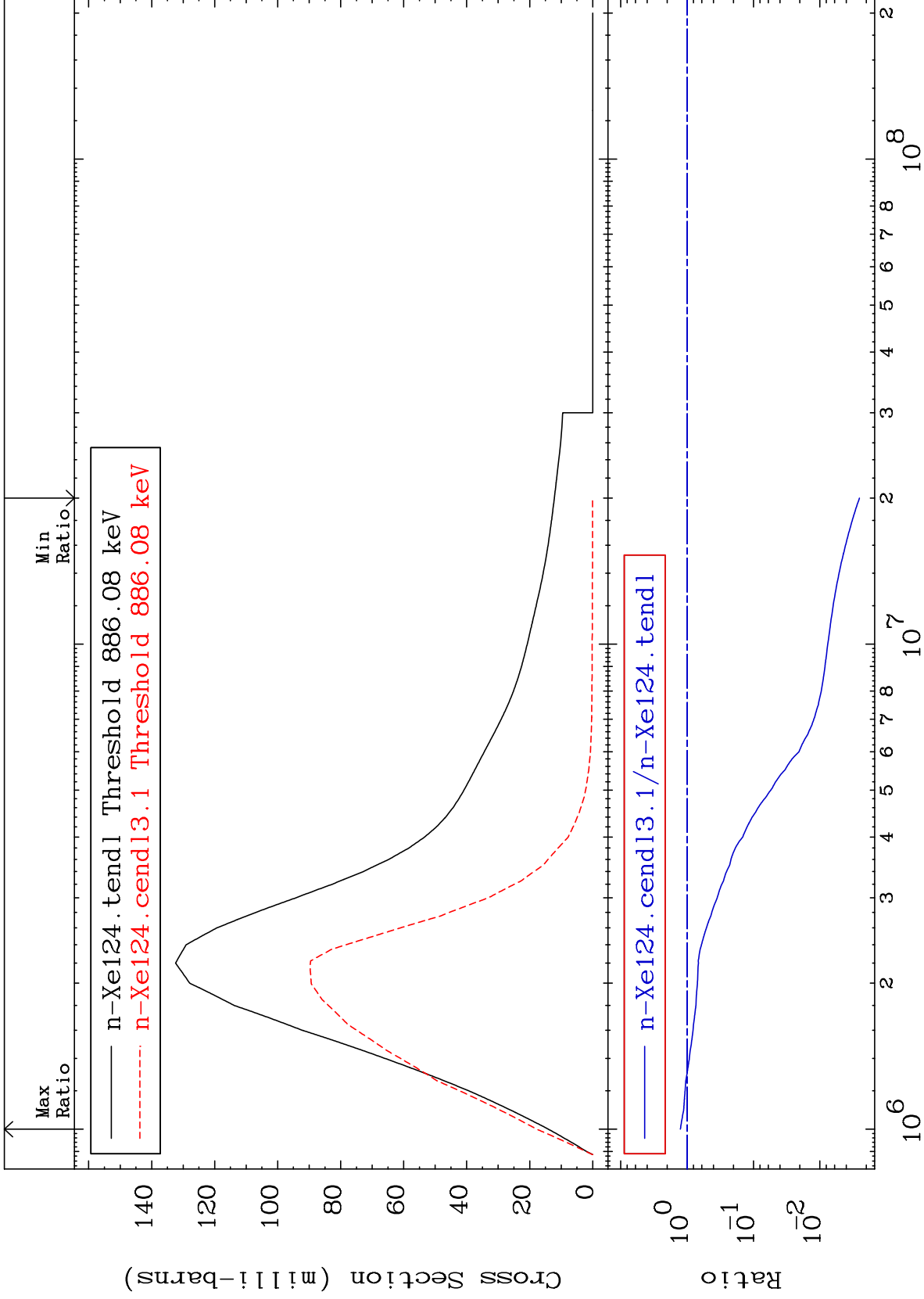
Incident Energy (eV)

54-Xe-124

MAT 5425

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

54-Xe-124
-99.75 To 26.35 %



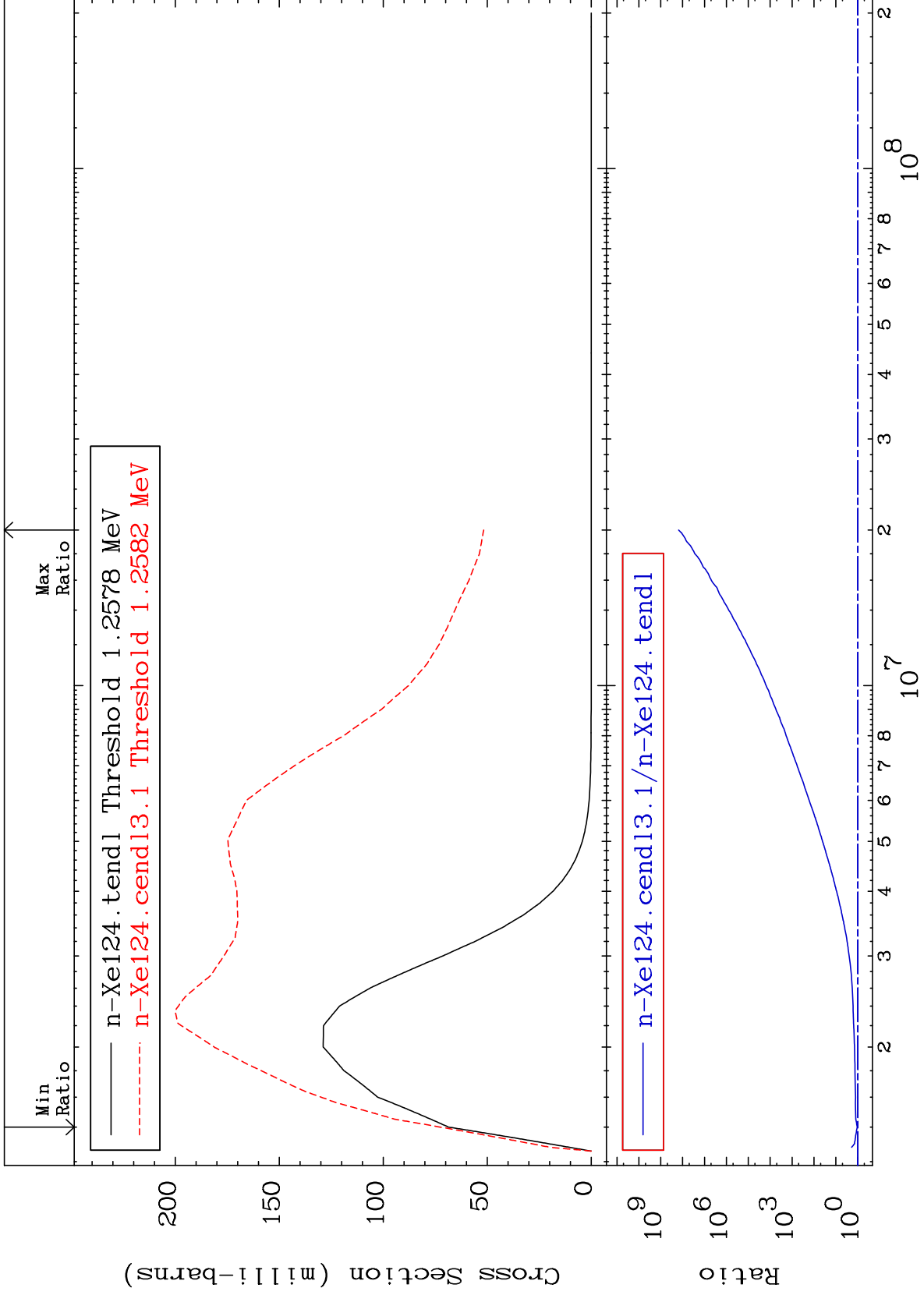
Incident Energy (eV)

54-Xe-124

MAT 5425

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

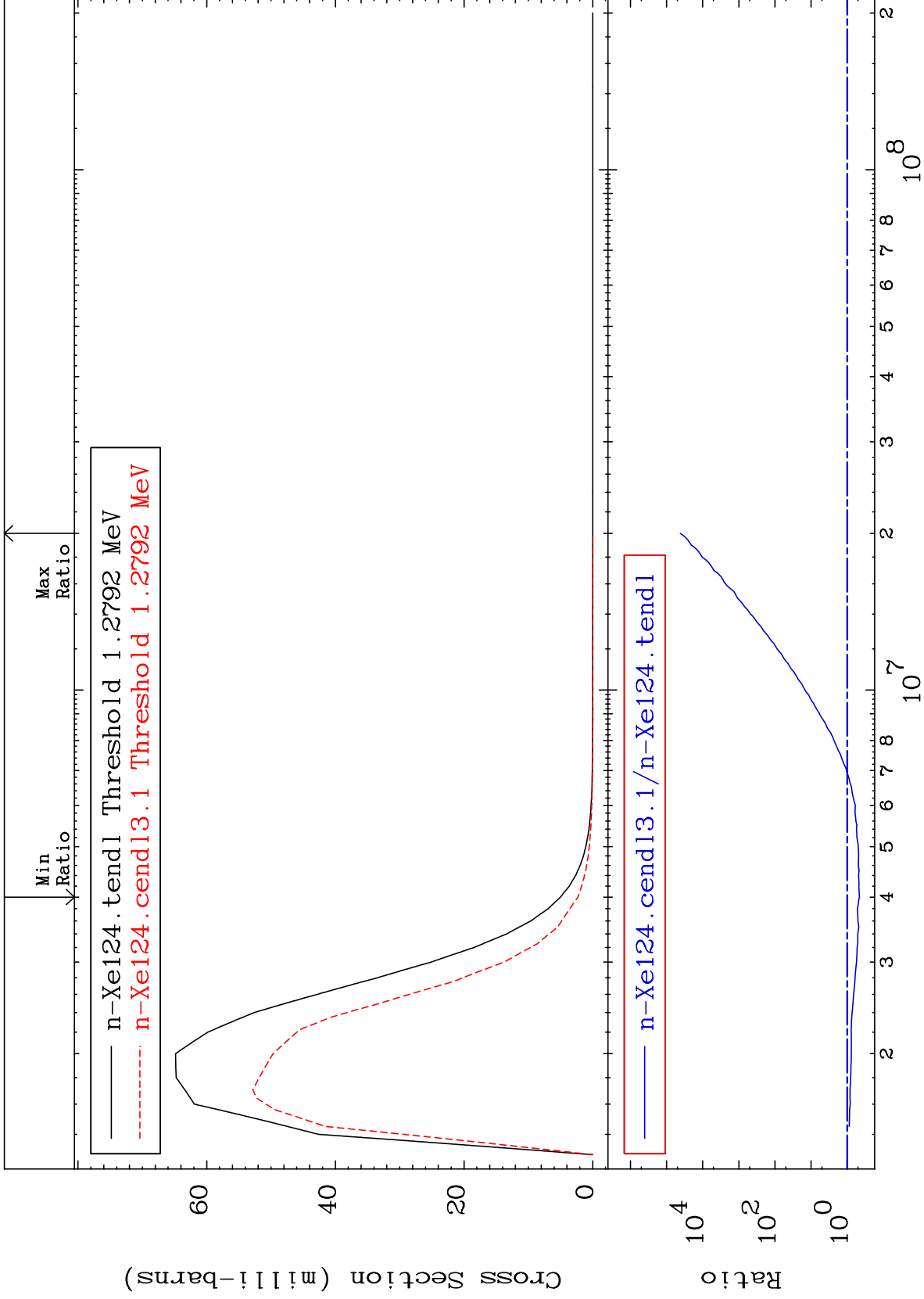
54-Xe-124
5.770 To 9999. %



MAT 5425

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

54-Xe-124
-54.34 To 9999. %



12

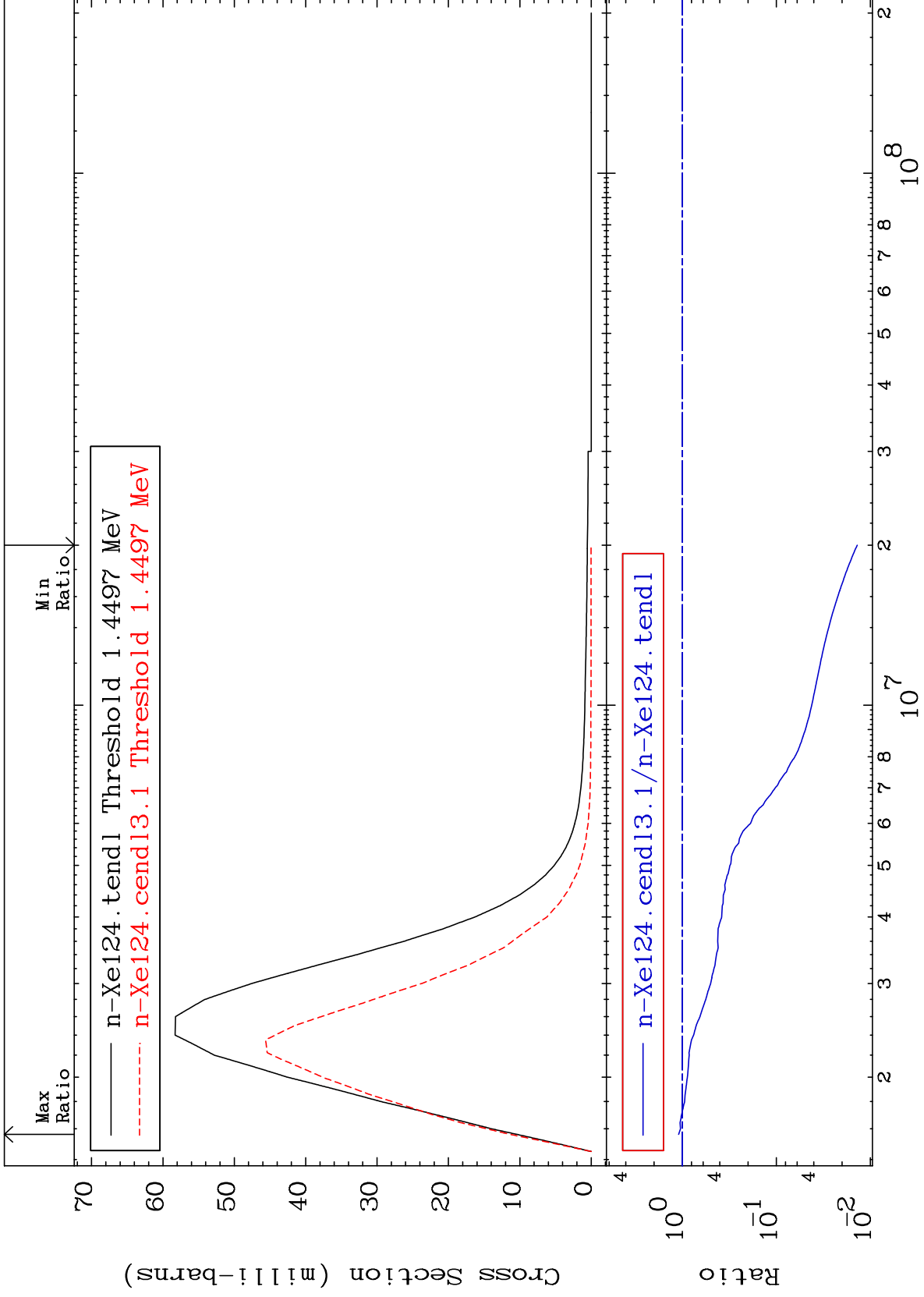
Incident Energy (eV)

54-Xe-124

MAT 5425

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

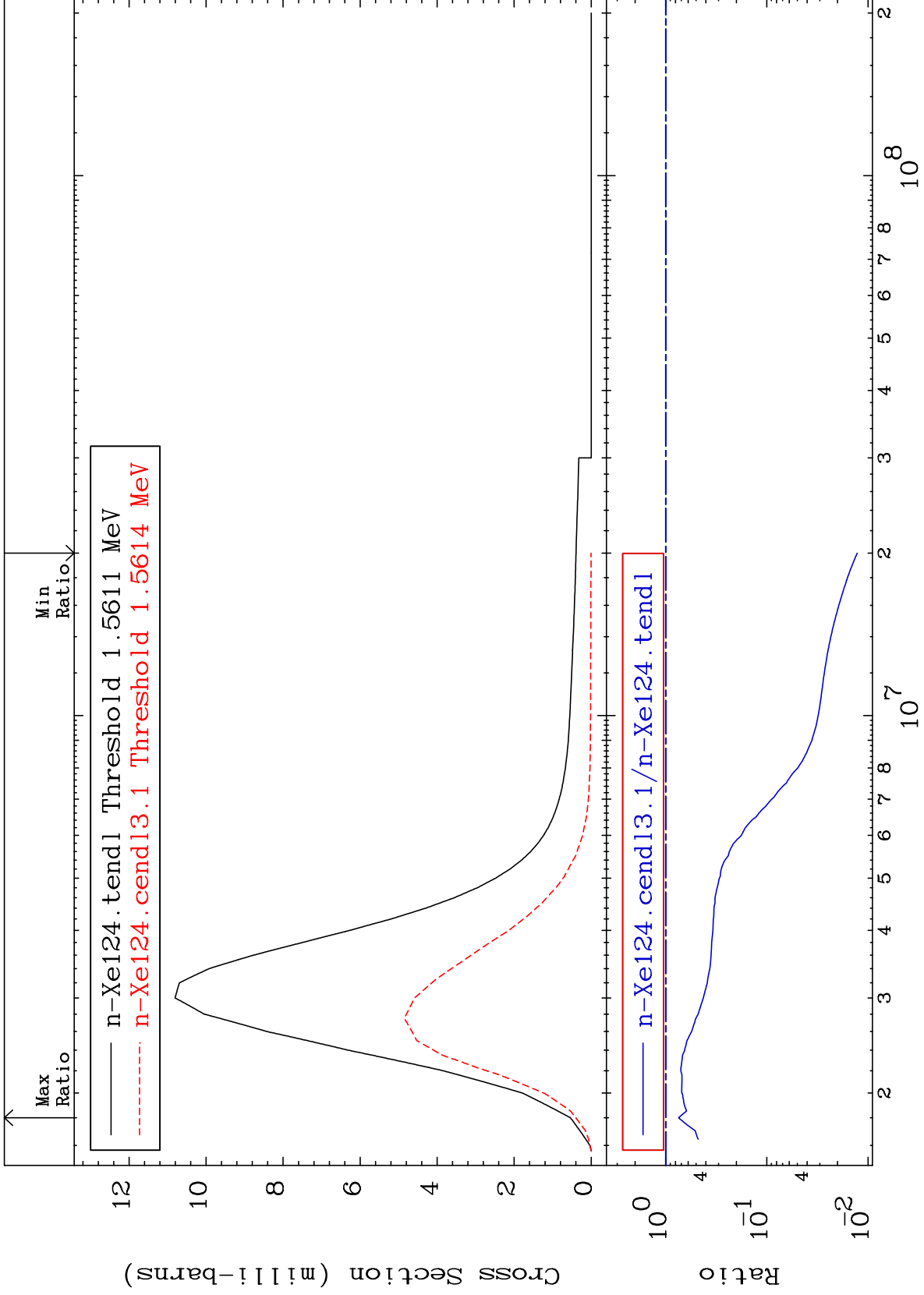
54-Xe-124
-98.62 To 9.504 %



MAT 5425

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

54-Xe-124
-98.72 To -25.65%



14

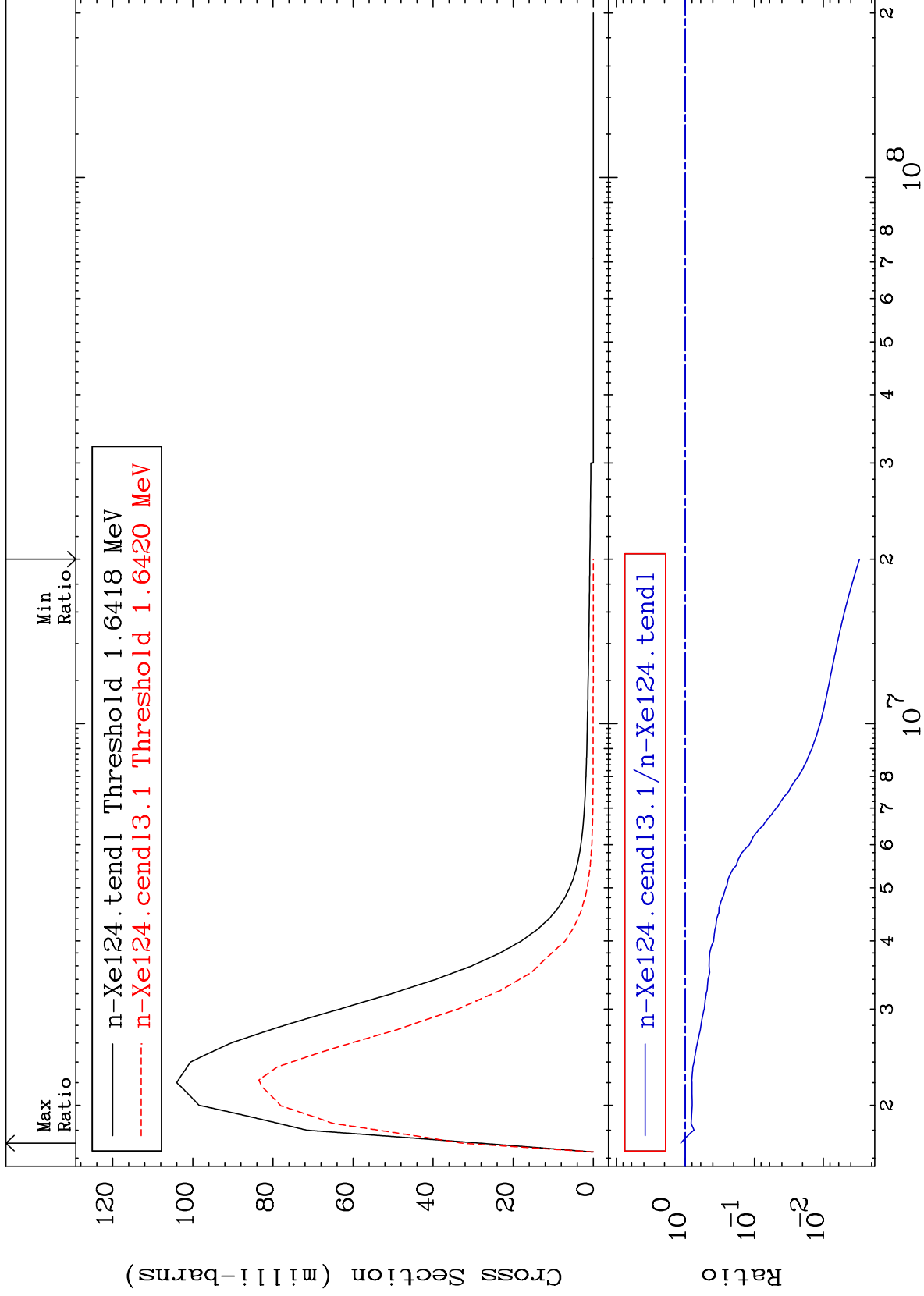
54-Xe-124

54-Xe-124

MAT 5425

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

54-Xe-124
-99.70 To 16.51 %



15

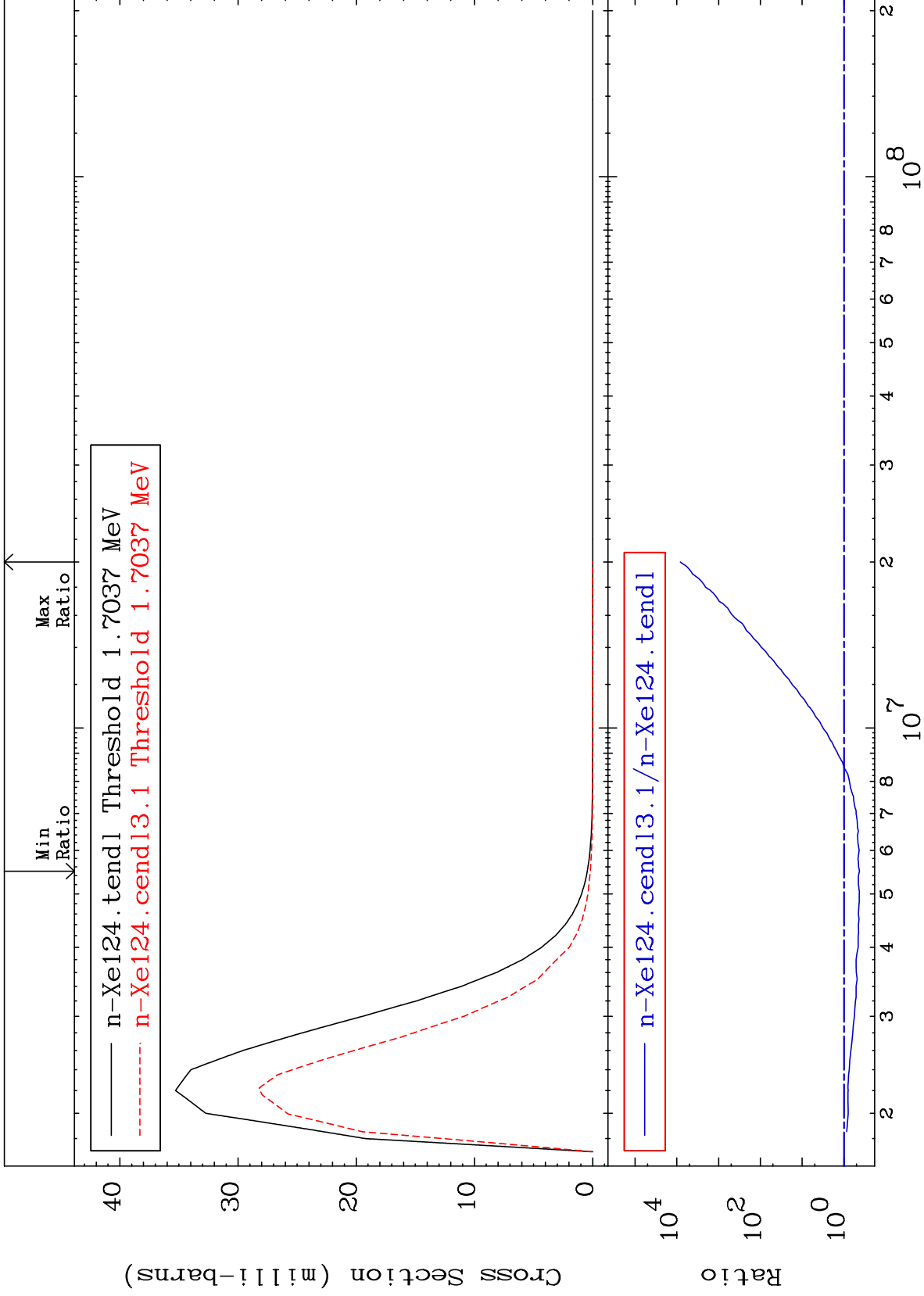
Incident Energy (eV)

54-Xe-124

MAT 5425

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

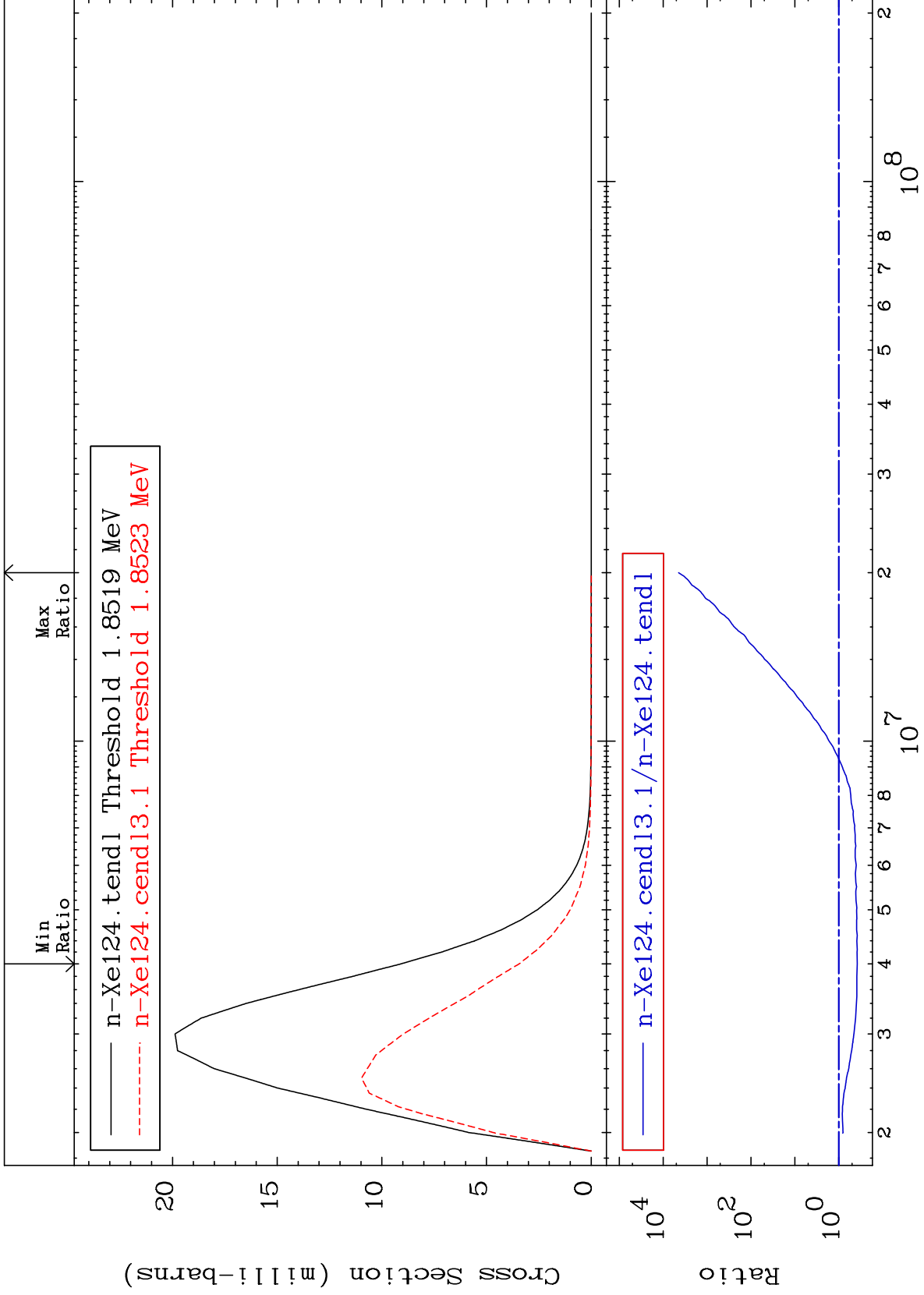
54-Xe-124
-57.41 To 9999. %



MAT 5425

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

54-Xe-124
-62.12 To 9999. %



17

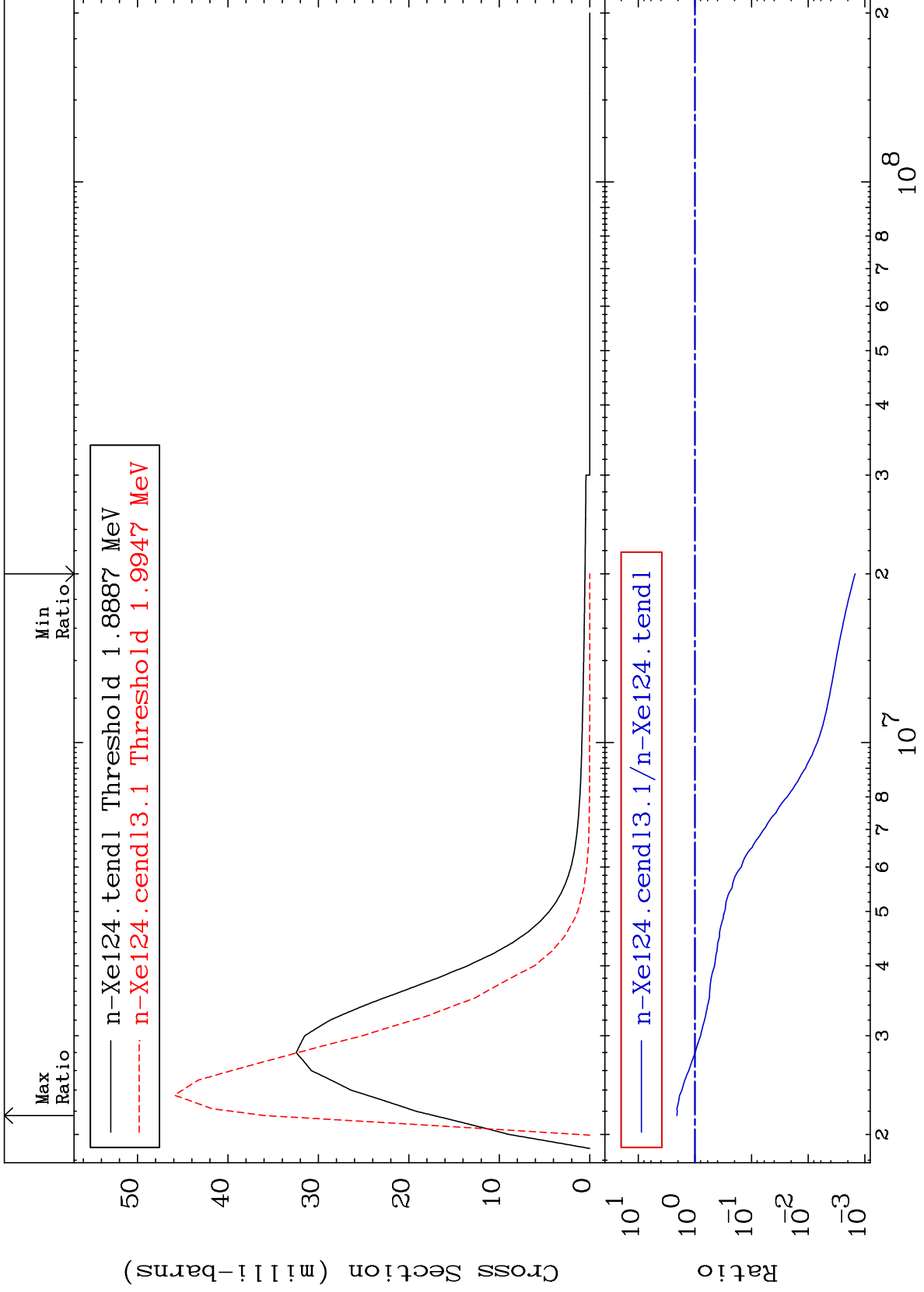
Incident Energy (eV)

54-Xe-124

MAT 5425

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

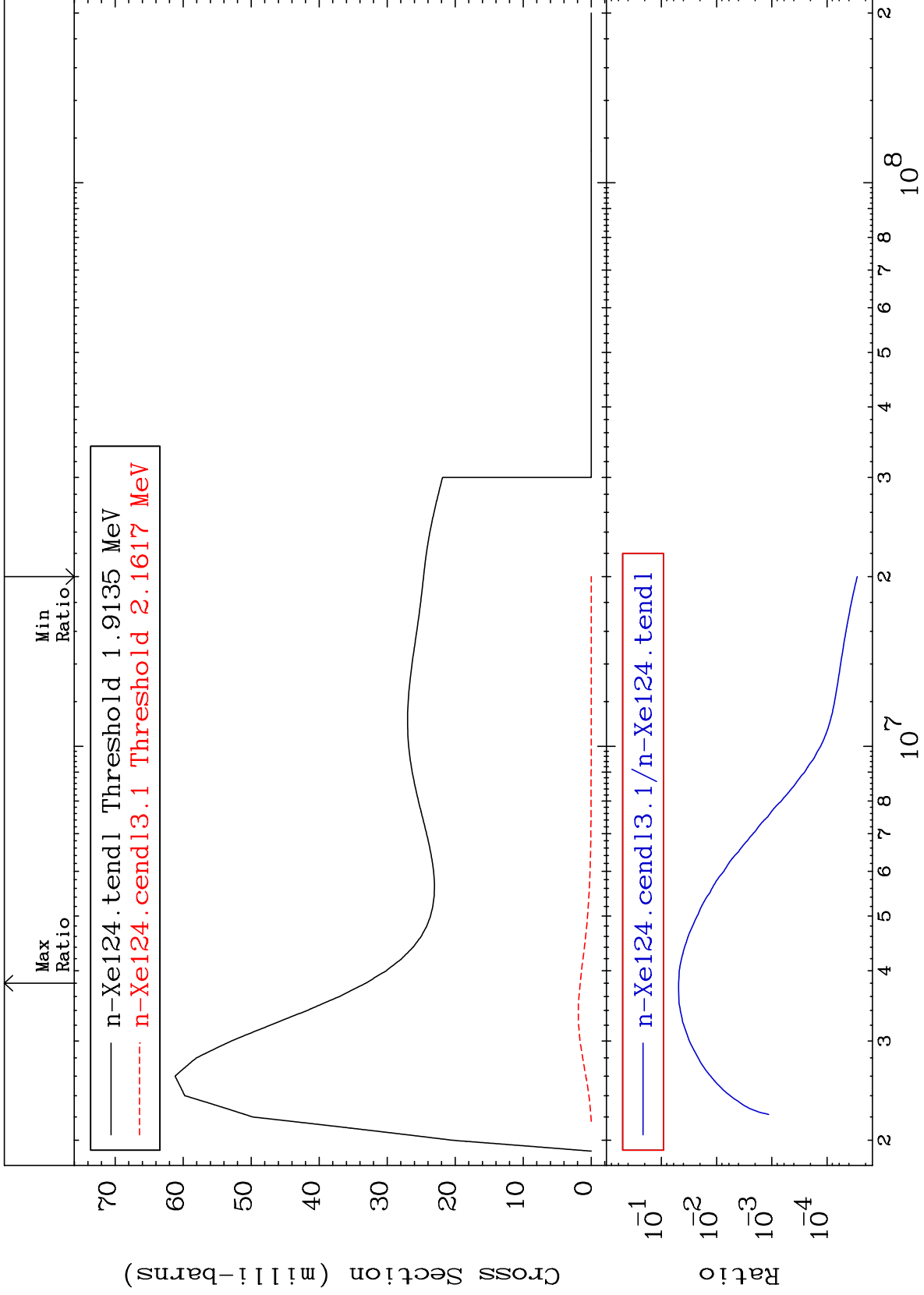
54-Xe-124
-99.85 To 108.7 %



MAT 5425

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

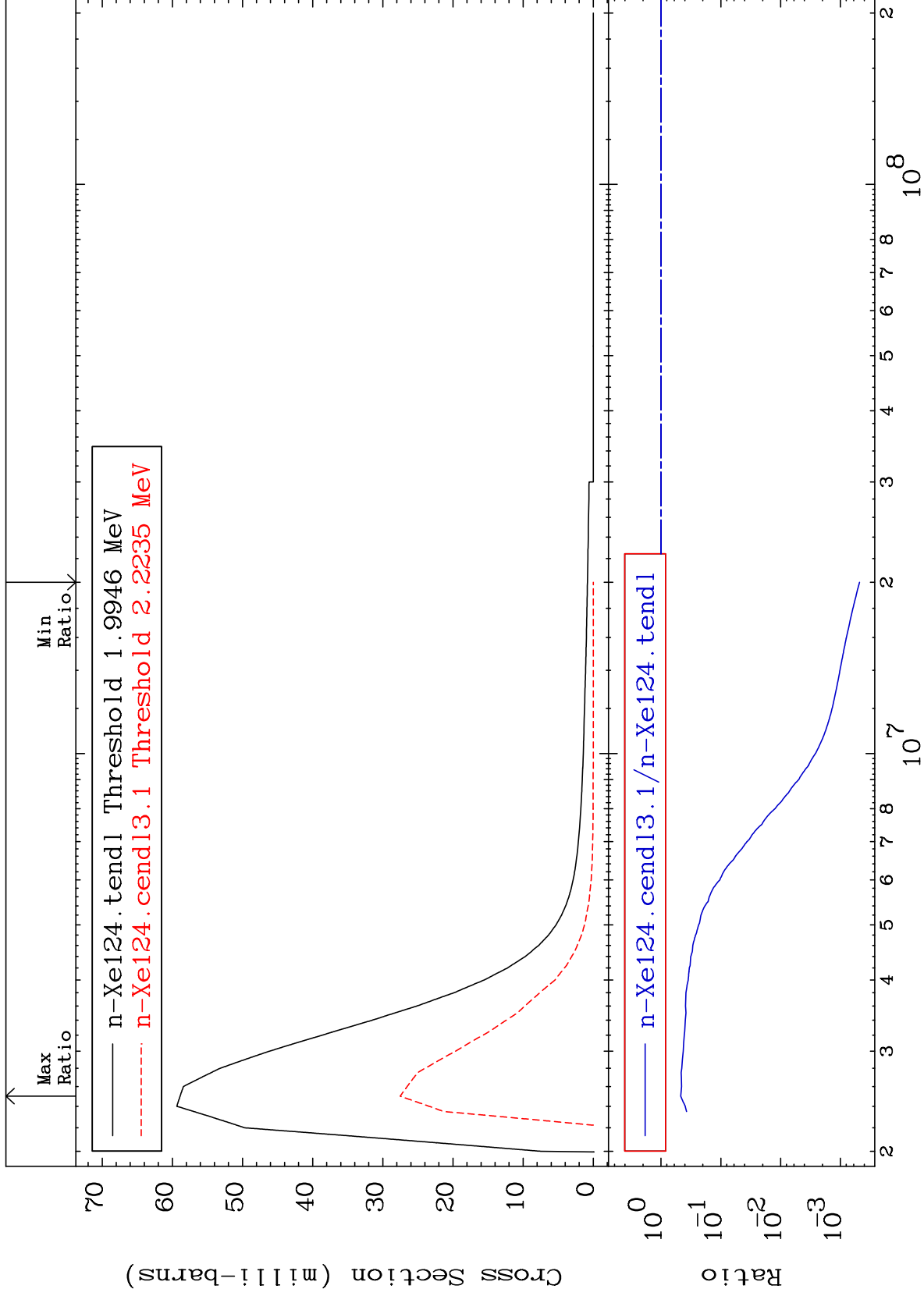
54-Xe-124
-100.0 To -95.13%



MAT 5425

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

54-Xe-124
-99.95 To -53.26%



20

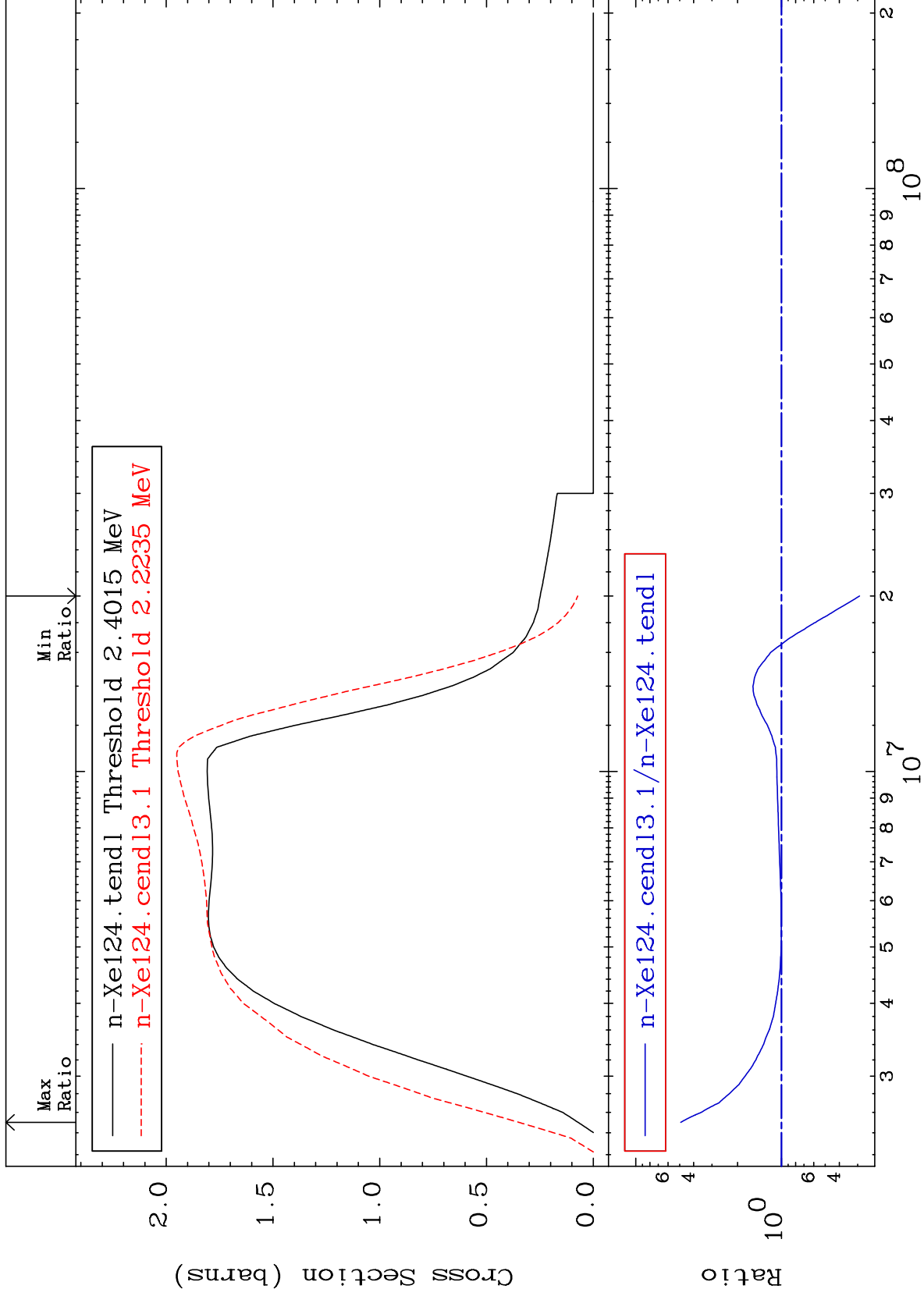
Incident Energy (eV)

54-Xe-124

MAT 5425

(n, n') Continuum
Cross Section

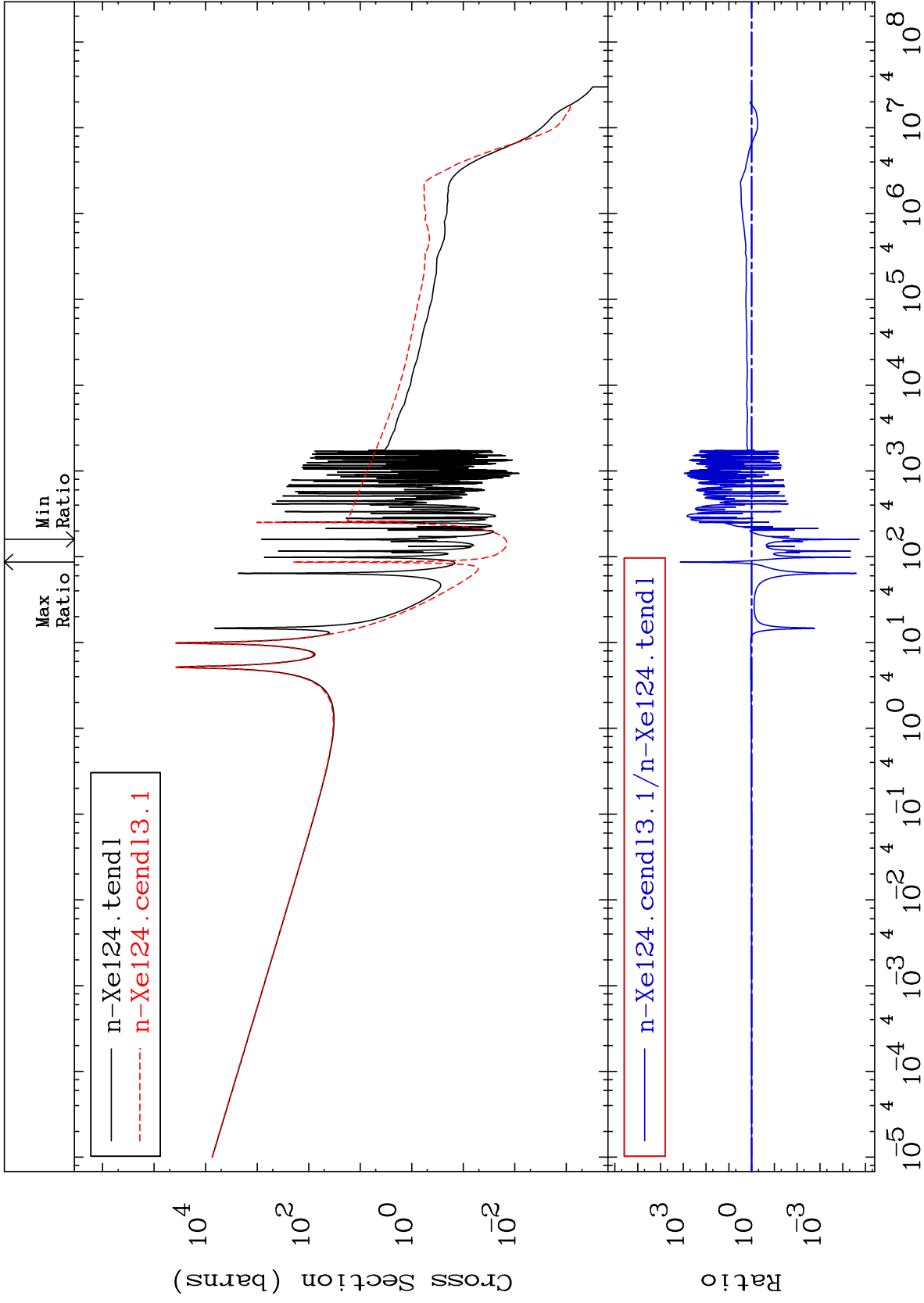
54-Xe-124
-70.91 To 391.0 %



MAT 5425

(n, γ)
Cross Section

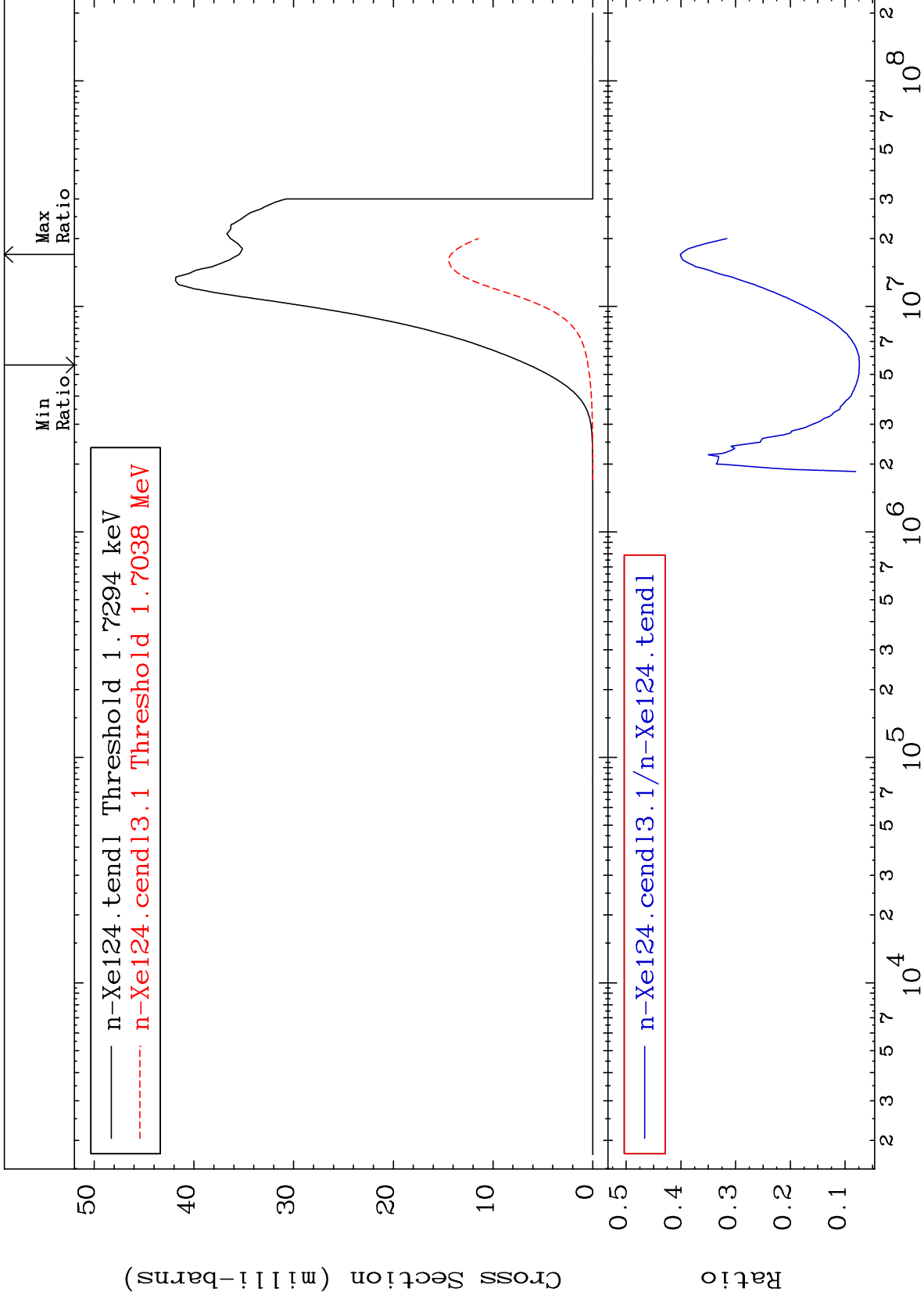
54-Xe-124
-100.0 To 9999. %



MAT 5425

(n,p)
Cross Section

54-Xe-124
-92.61 To -59.90%



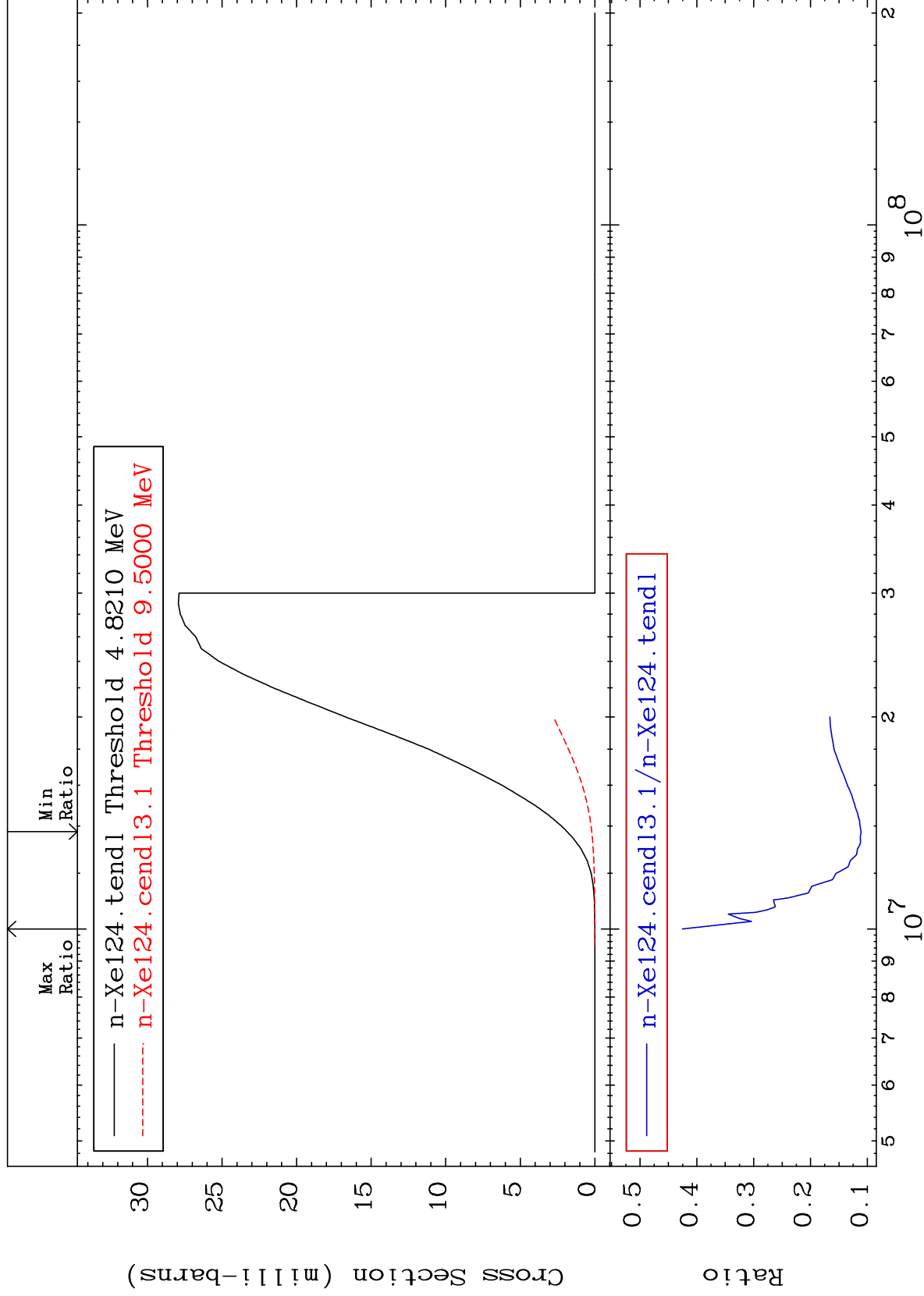
MAT 5425

(n, d)

54-Xe-124

Cross Section

-88.90 To -57.44%



24

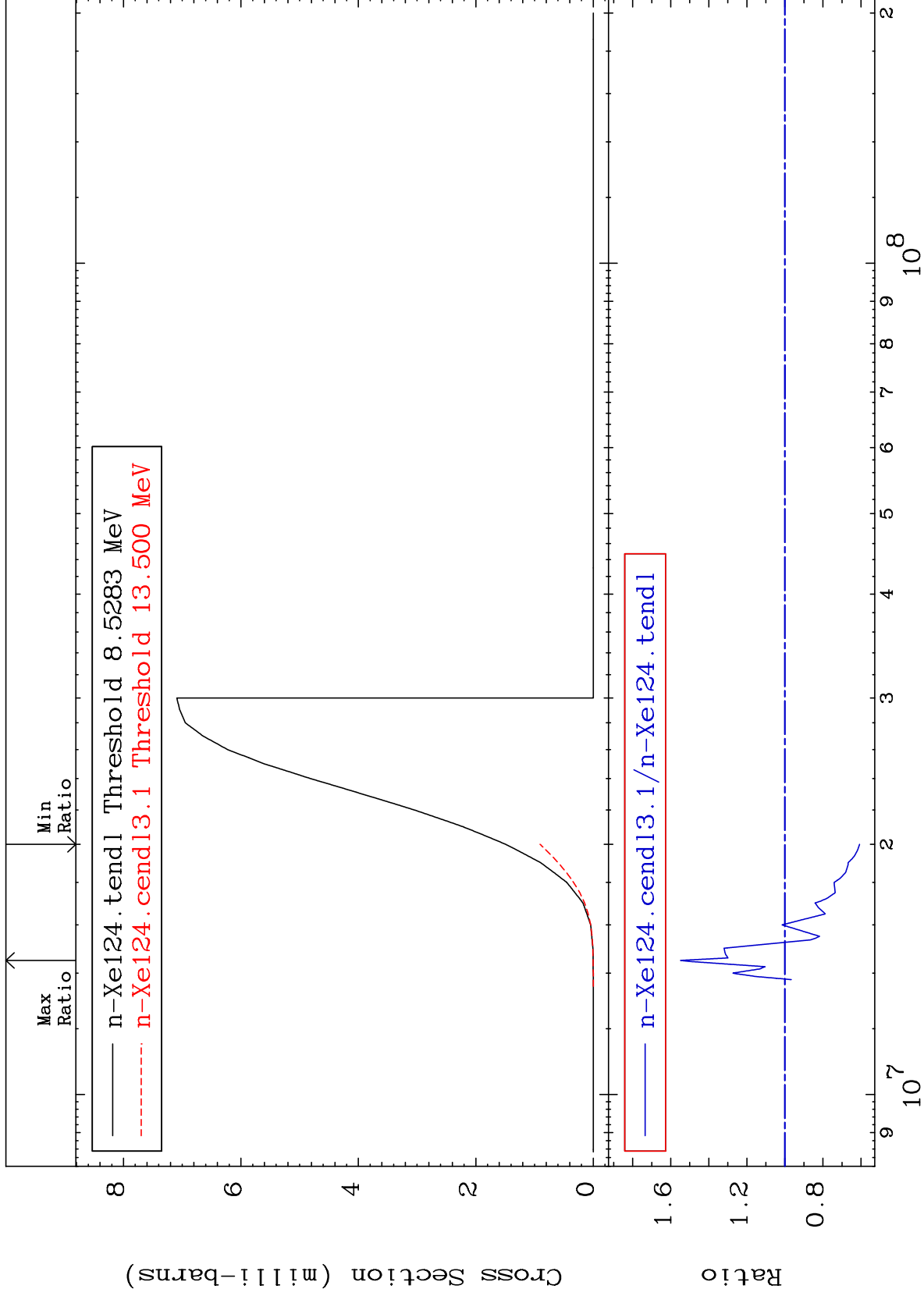
Incident Energy (eV)

54-Xe-124

MAT 5425

(n, t)
Cross Section

54-Xe-124
-39.23 To 54.72 %



25

Incident Energy (eV)

54-Xe-124

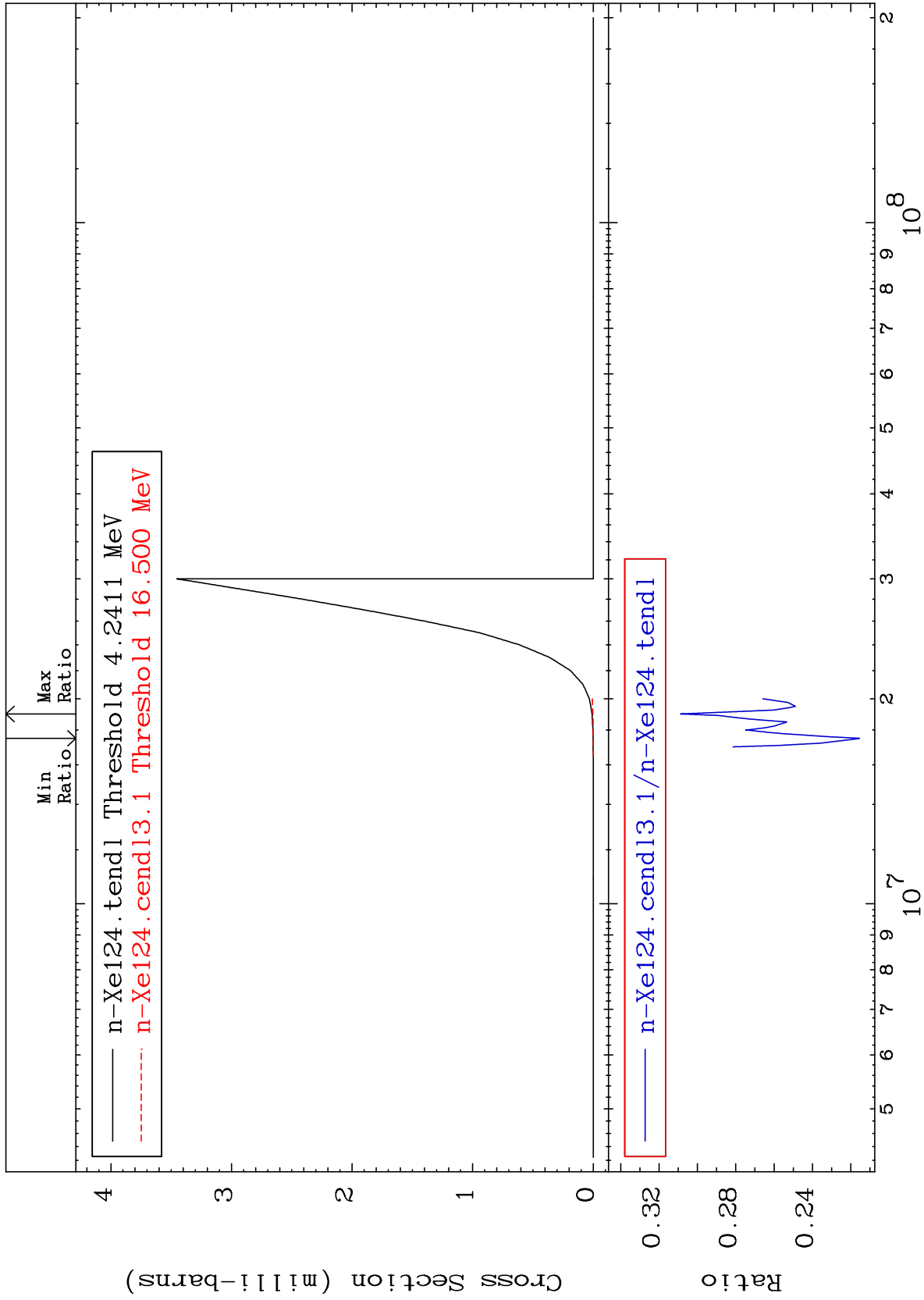
MAT 5425

(n, He-3)

54-Xe-124

Cross Section

-78.46 To -69.13%



26

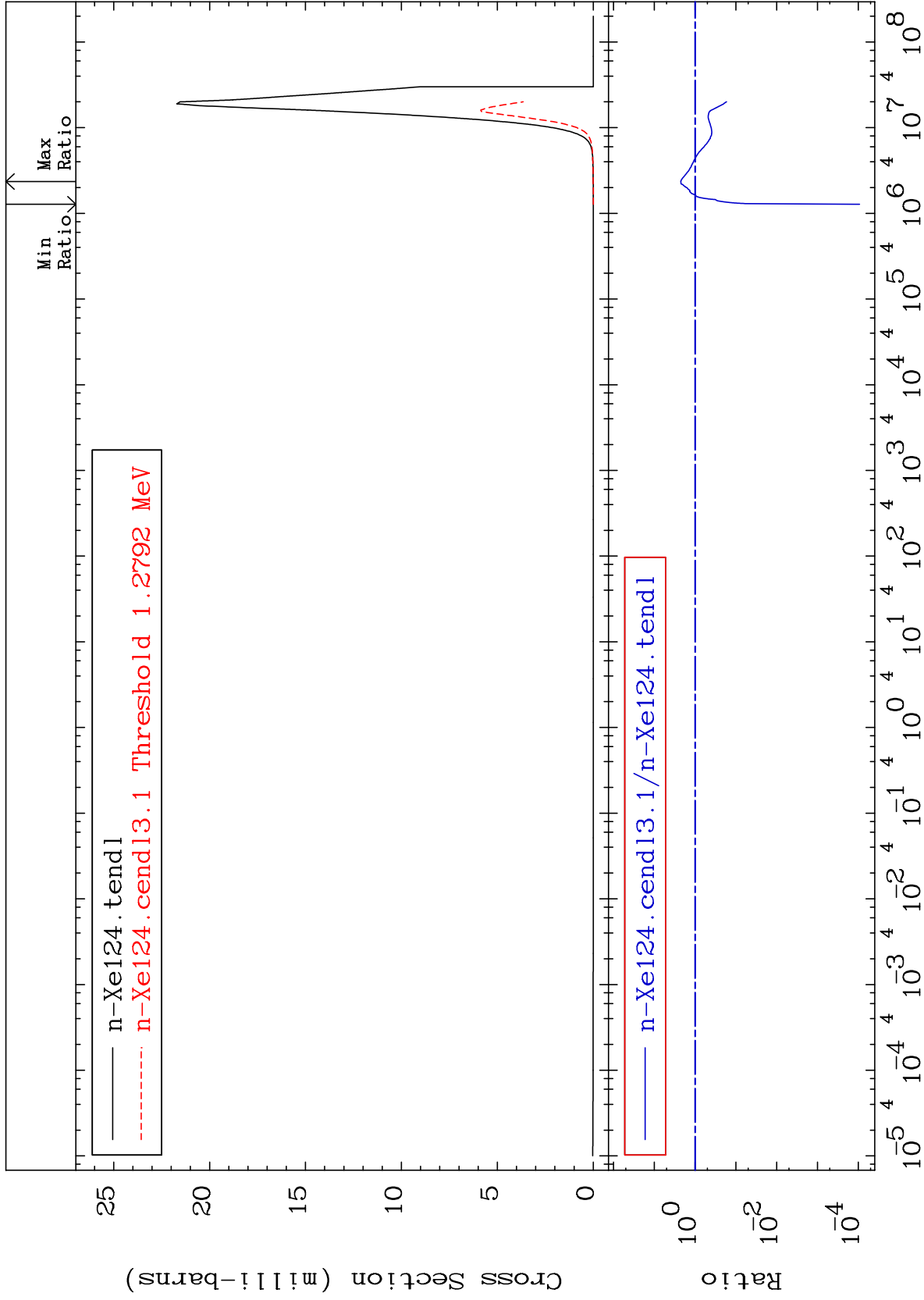
Incident Energy (eV)

54-Xe-124

MAT 5425

(n, α)
Cross Section

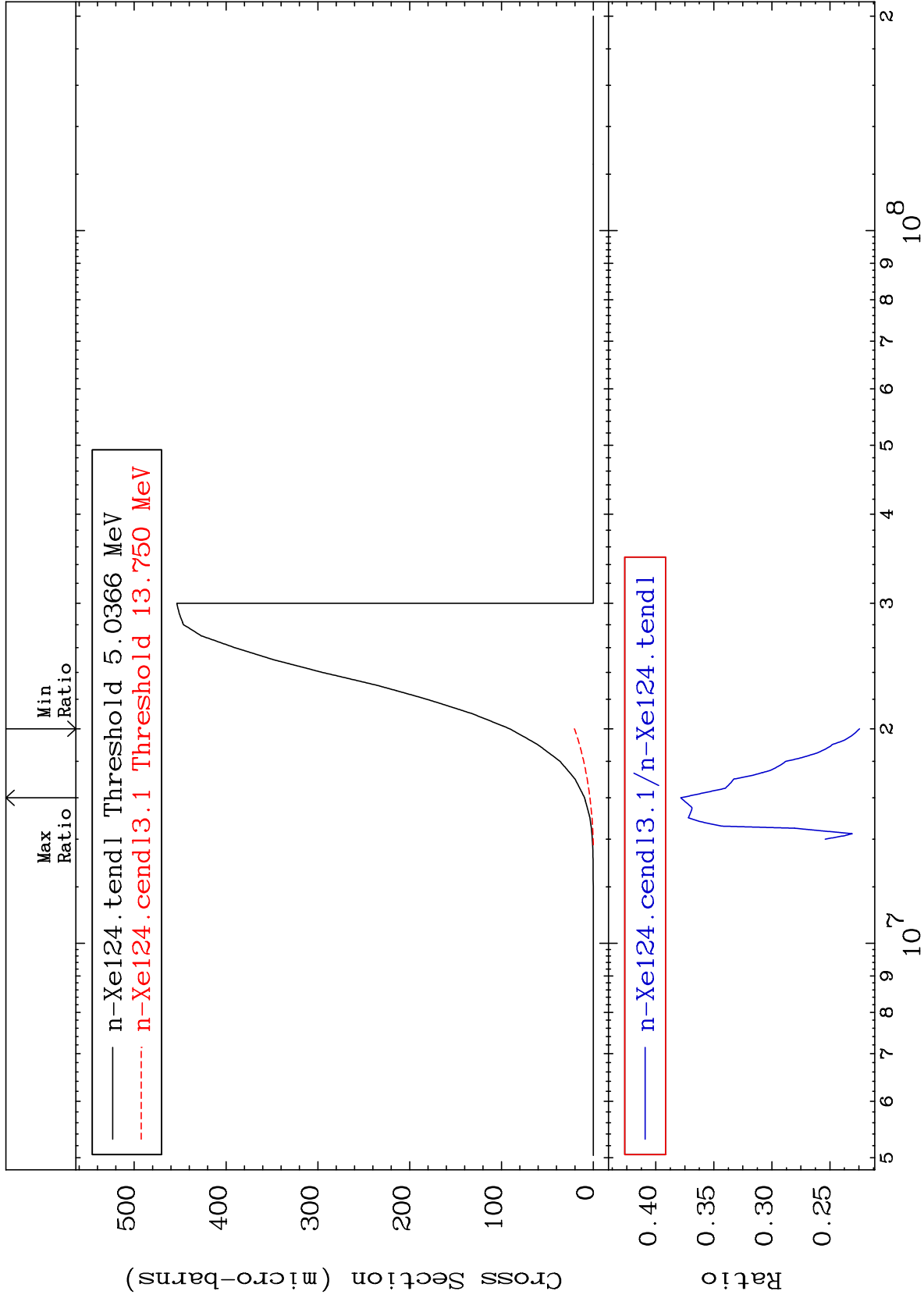
54-Xe-124
-99.99 To 123.6 %

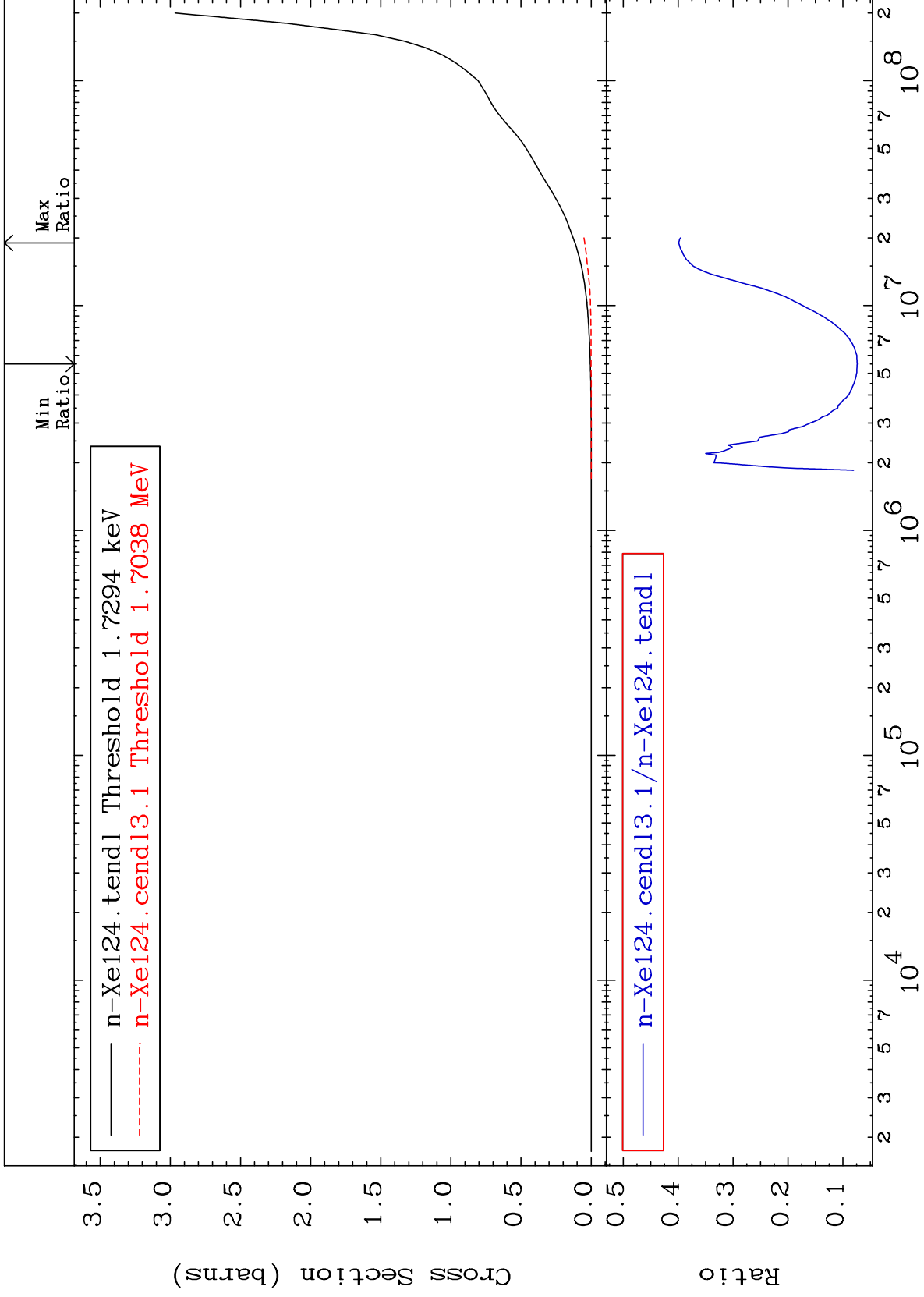


27

Incident Energy (eV)

54-Xe-124

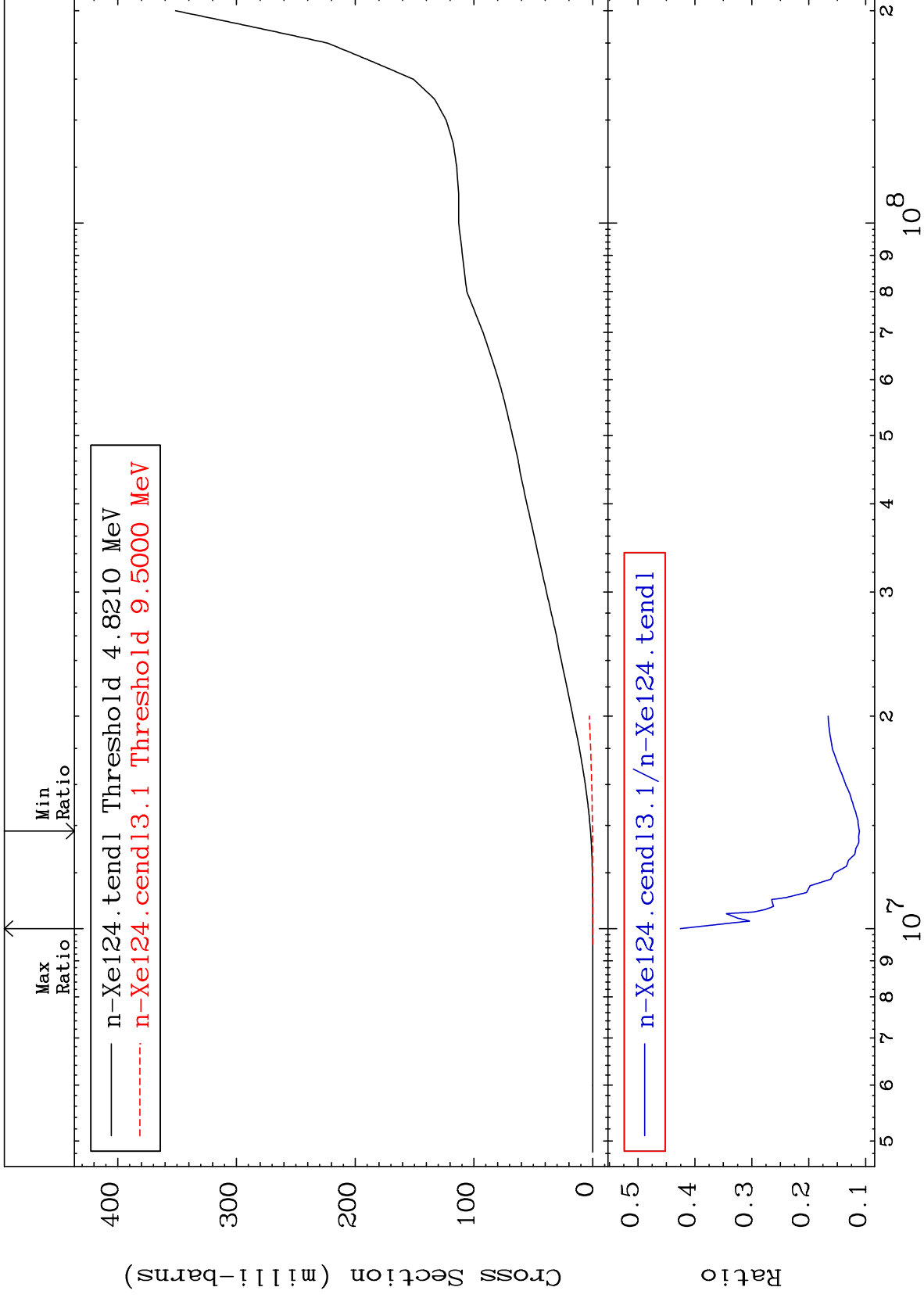




MAT 5425

Deuterium Production
Cross Section

54-Xe-124
-88.90 To -57.44%



30

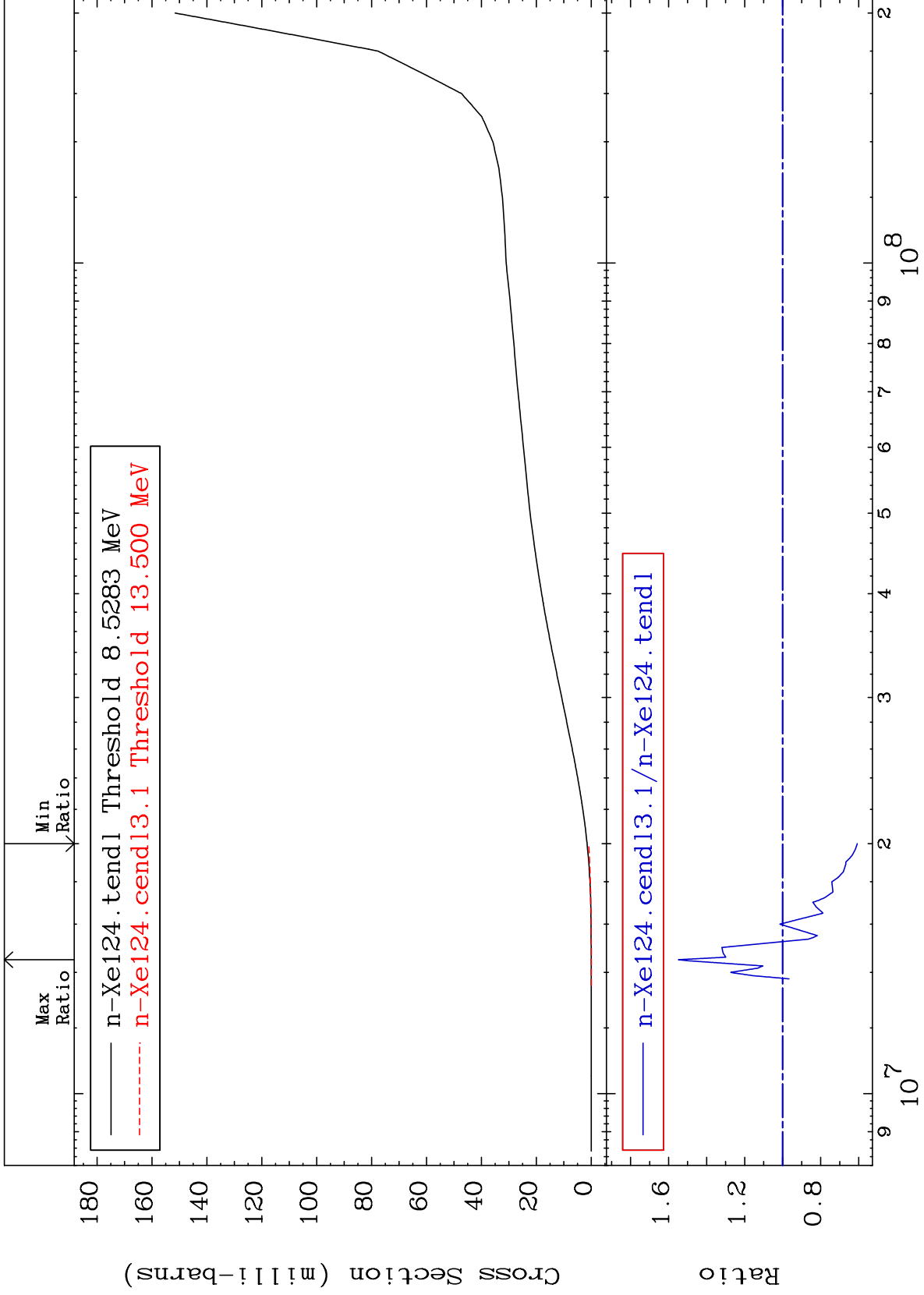
54-Xe-124

54-Xe-124

MAT 5425

Tritium Production
Cross Section

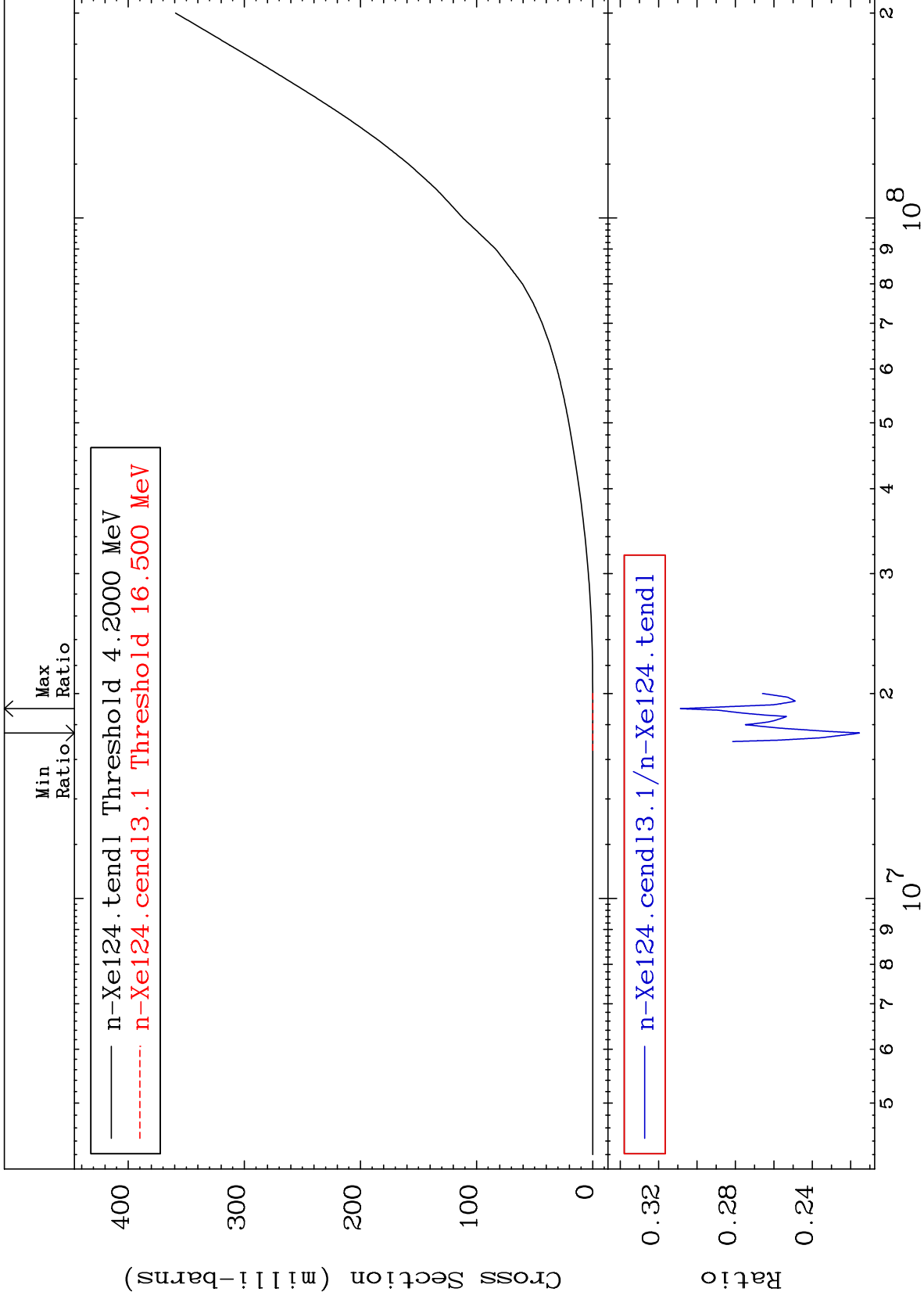
54-Xe-124
-39.23 To 54.72 %



MAT 5425

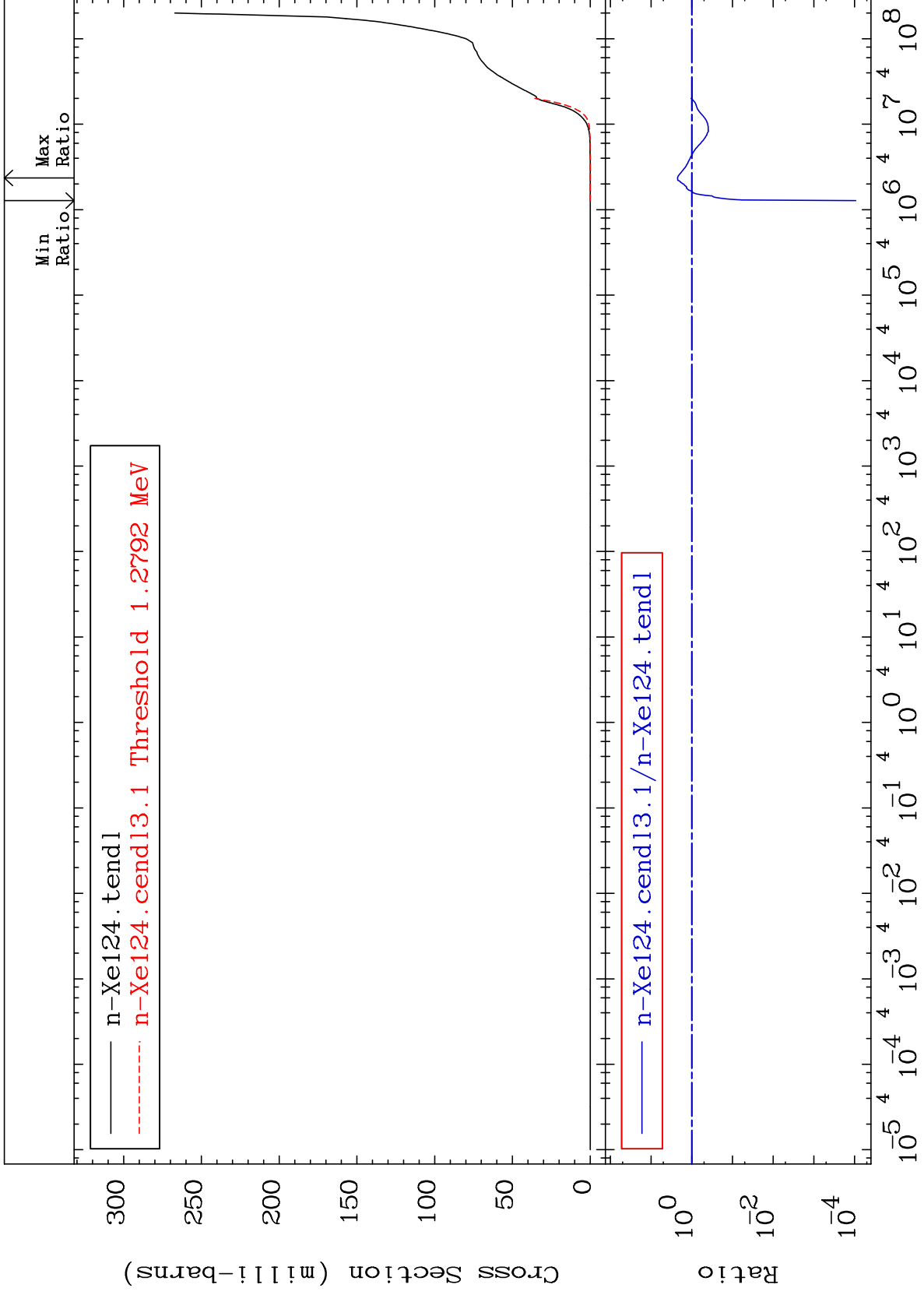
He-3 Production
Cross Section

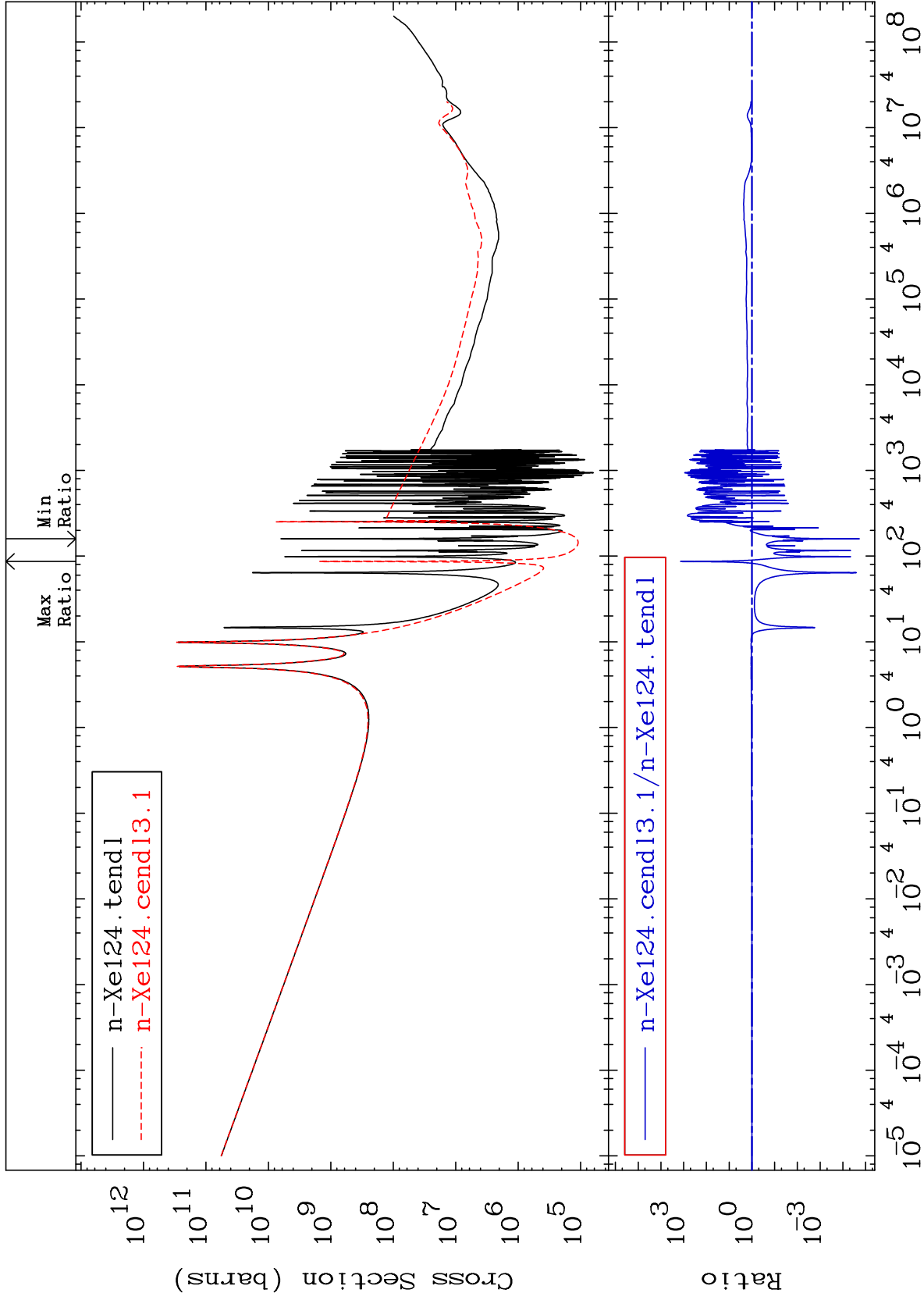
54-Xe-124
-78.46 To -69.13%

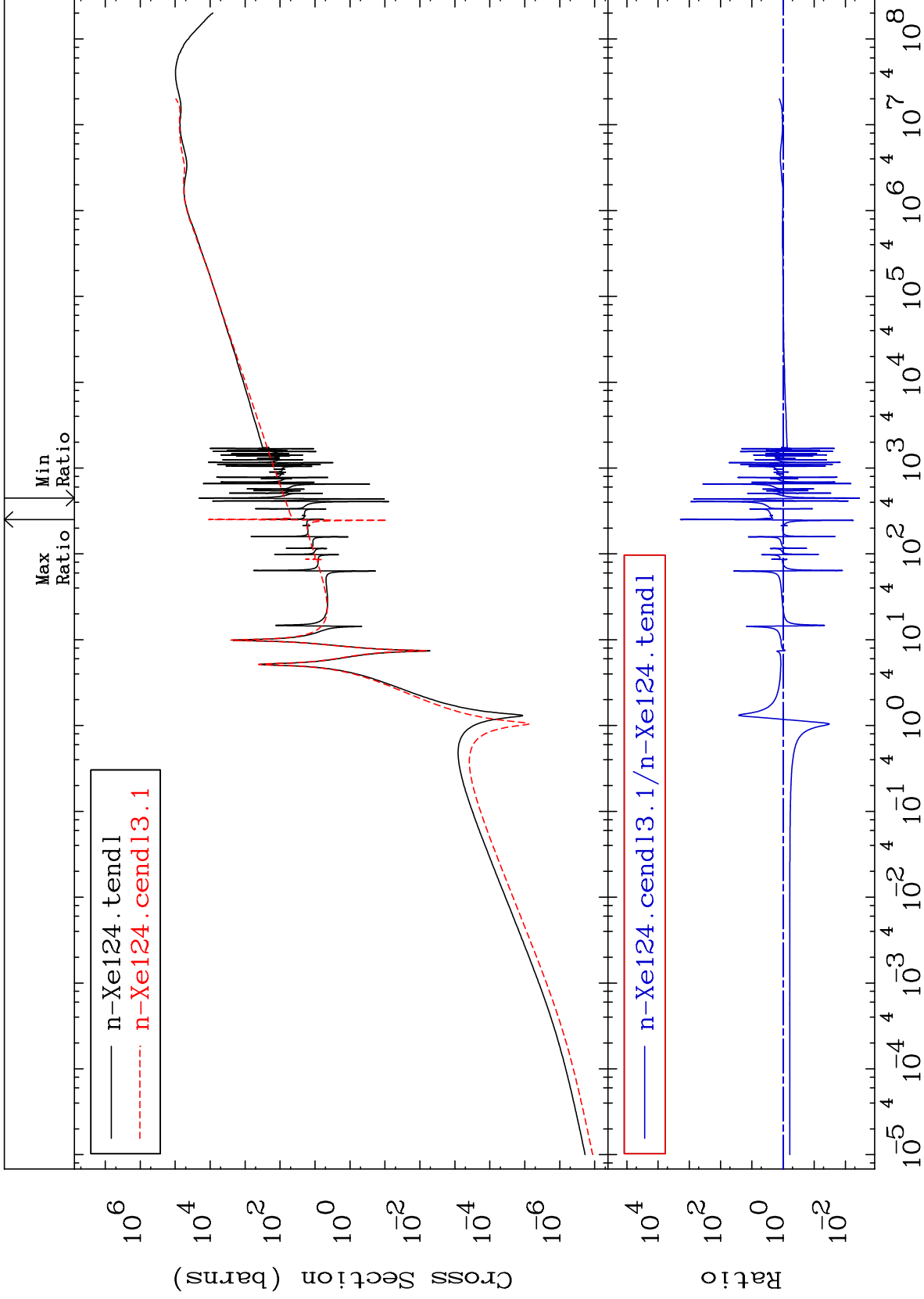


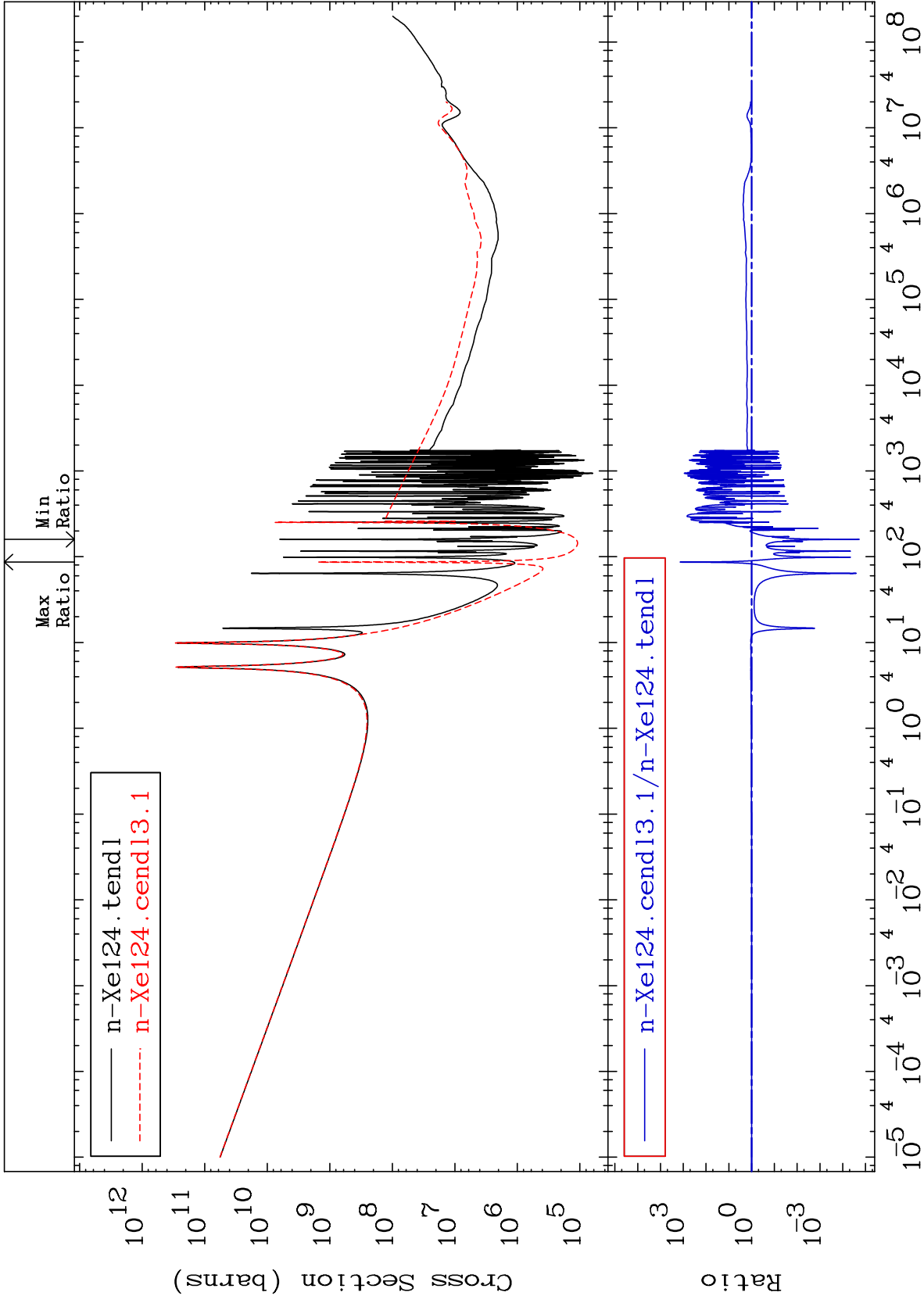
32

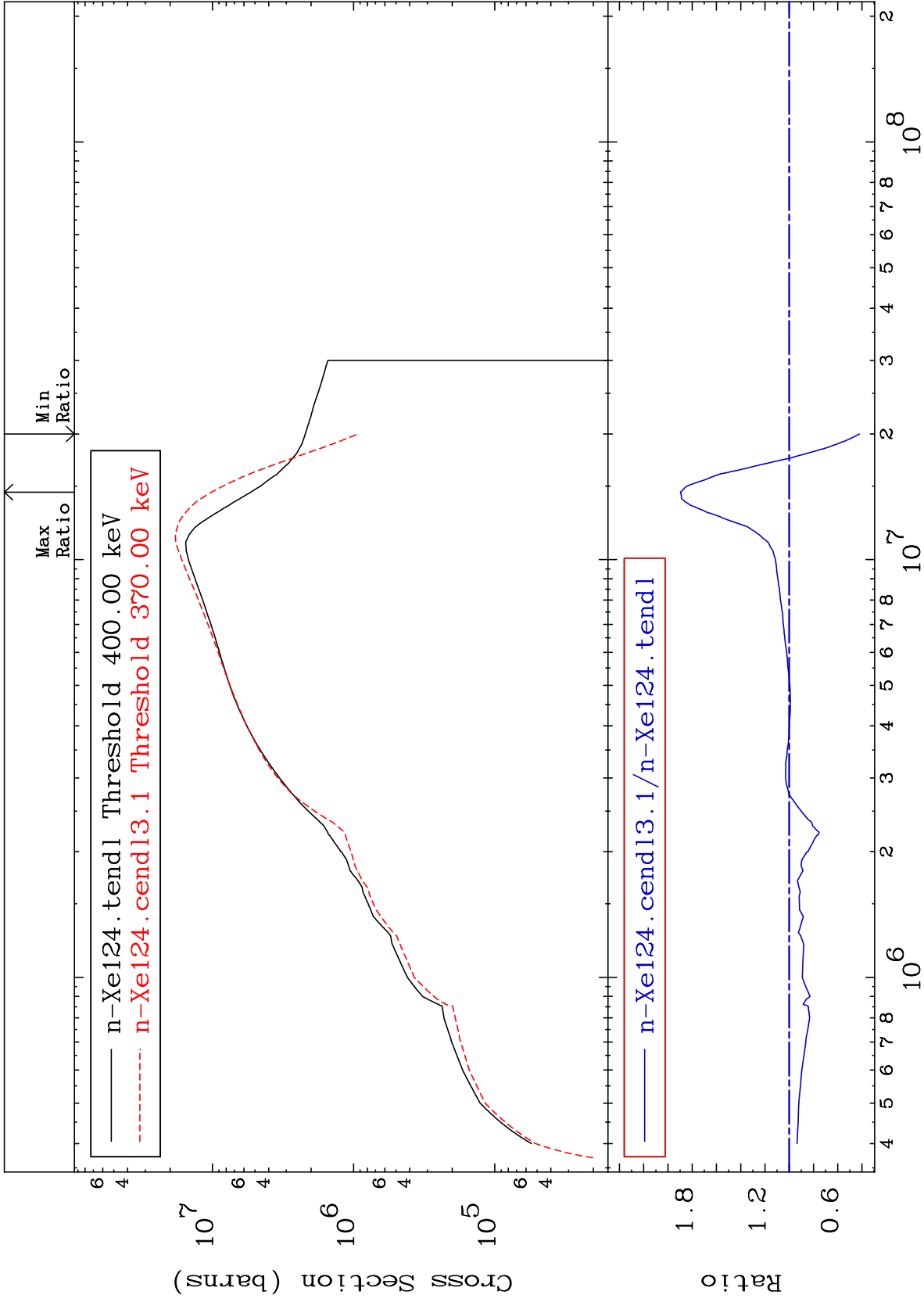
54-Xe-124

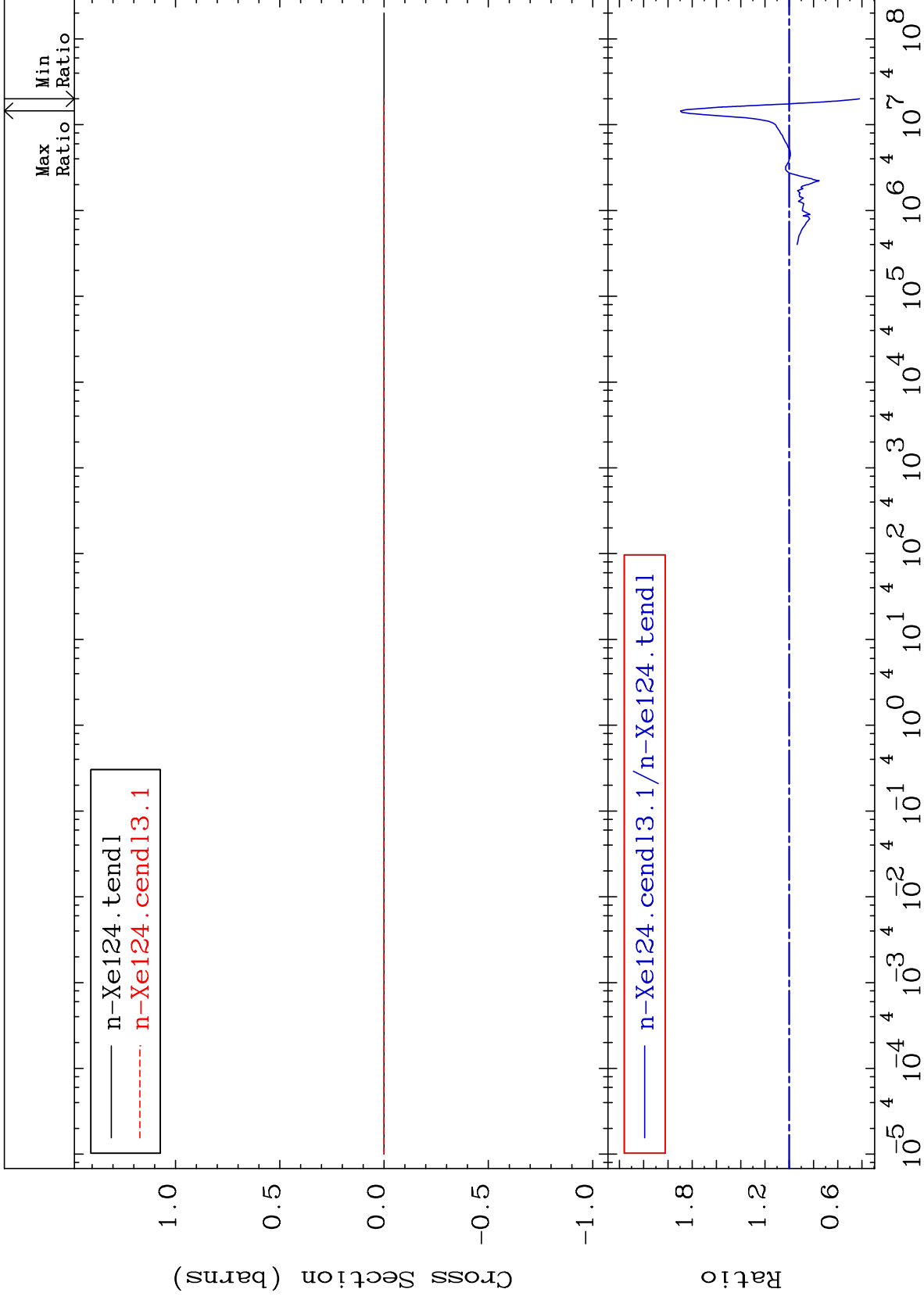


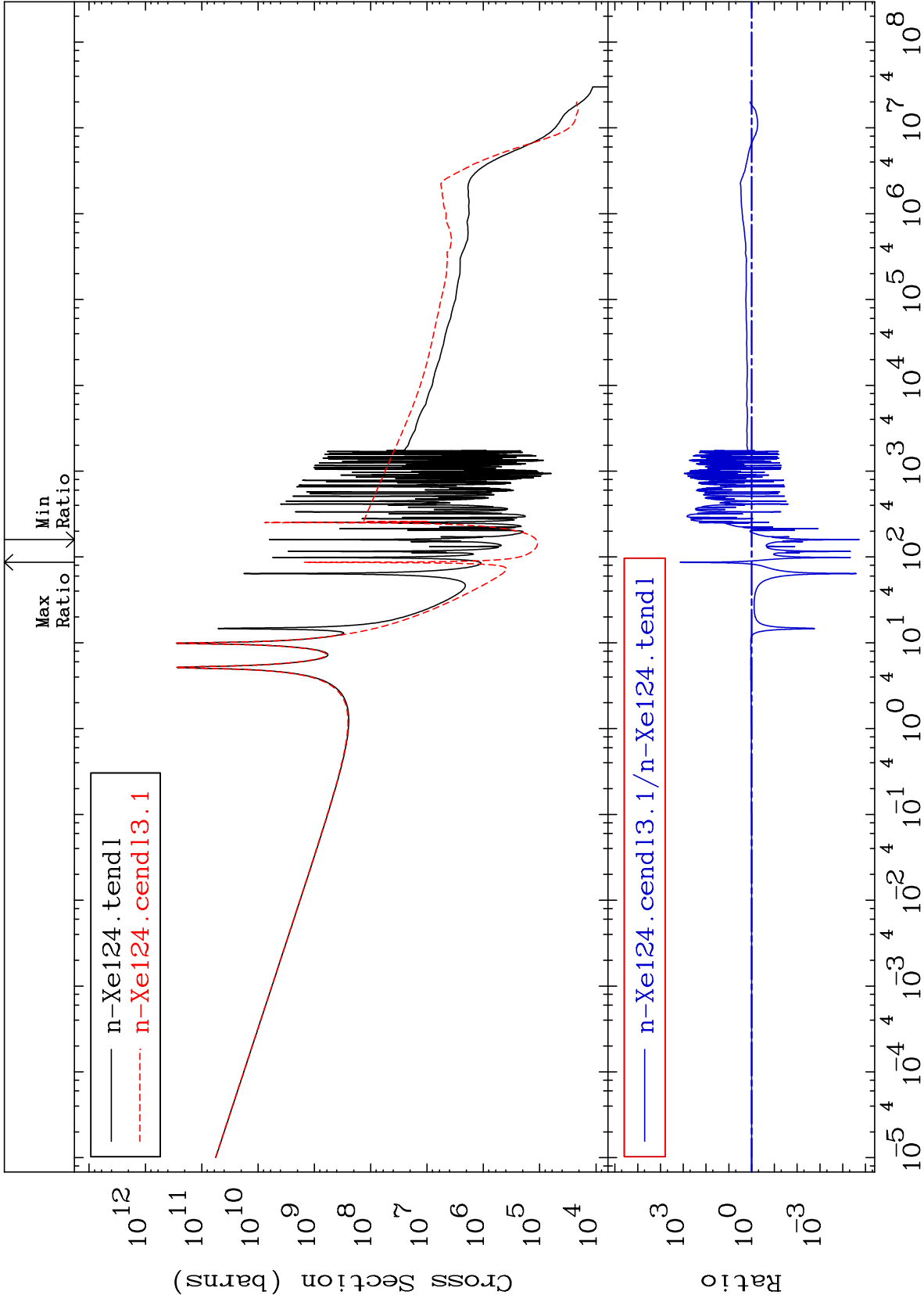










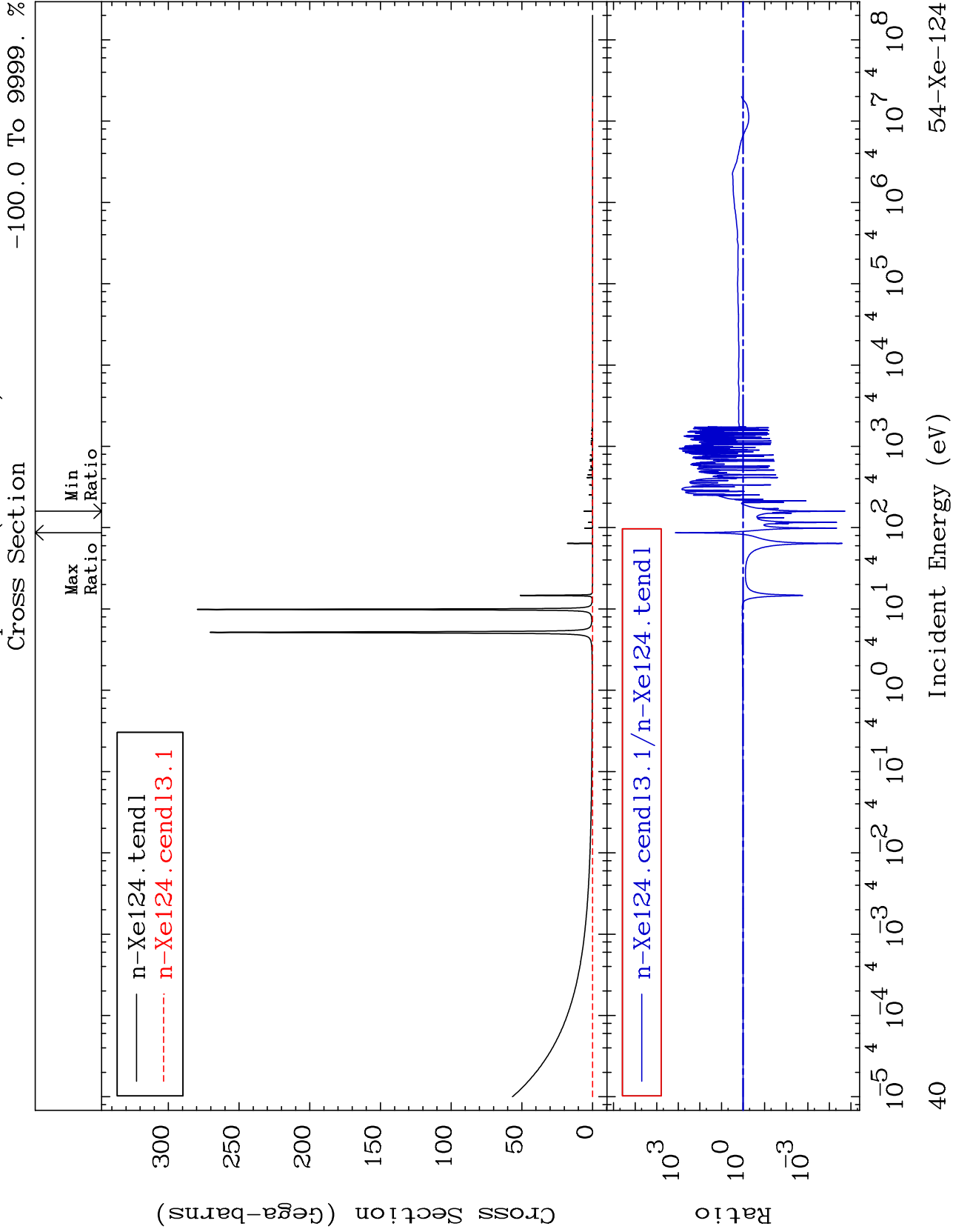


MAT 5425

Total photon (eV-barns)

54-Xe-124

-100.0 To 9999. %



40

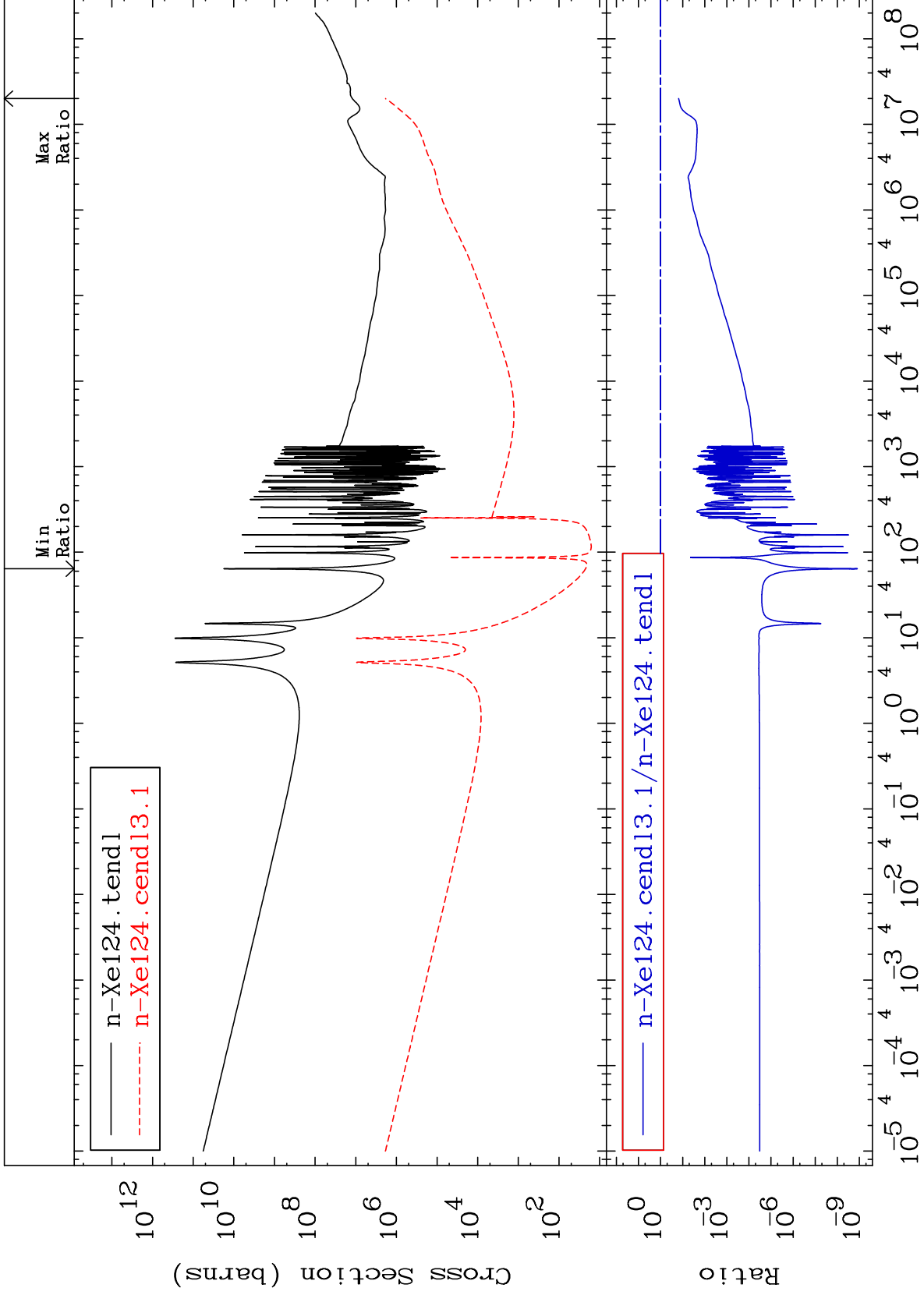
Incident Energy (eV)

54-Xe-124

MAT 5425

Total kinematic kerma (high limit)
Cross Section

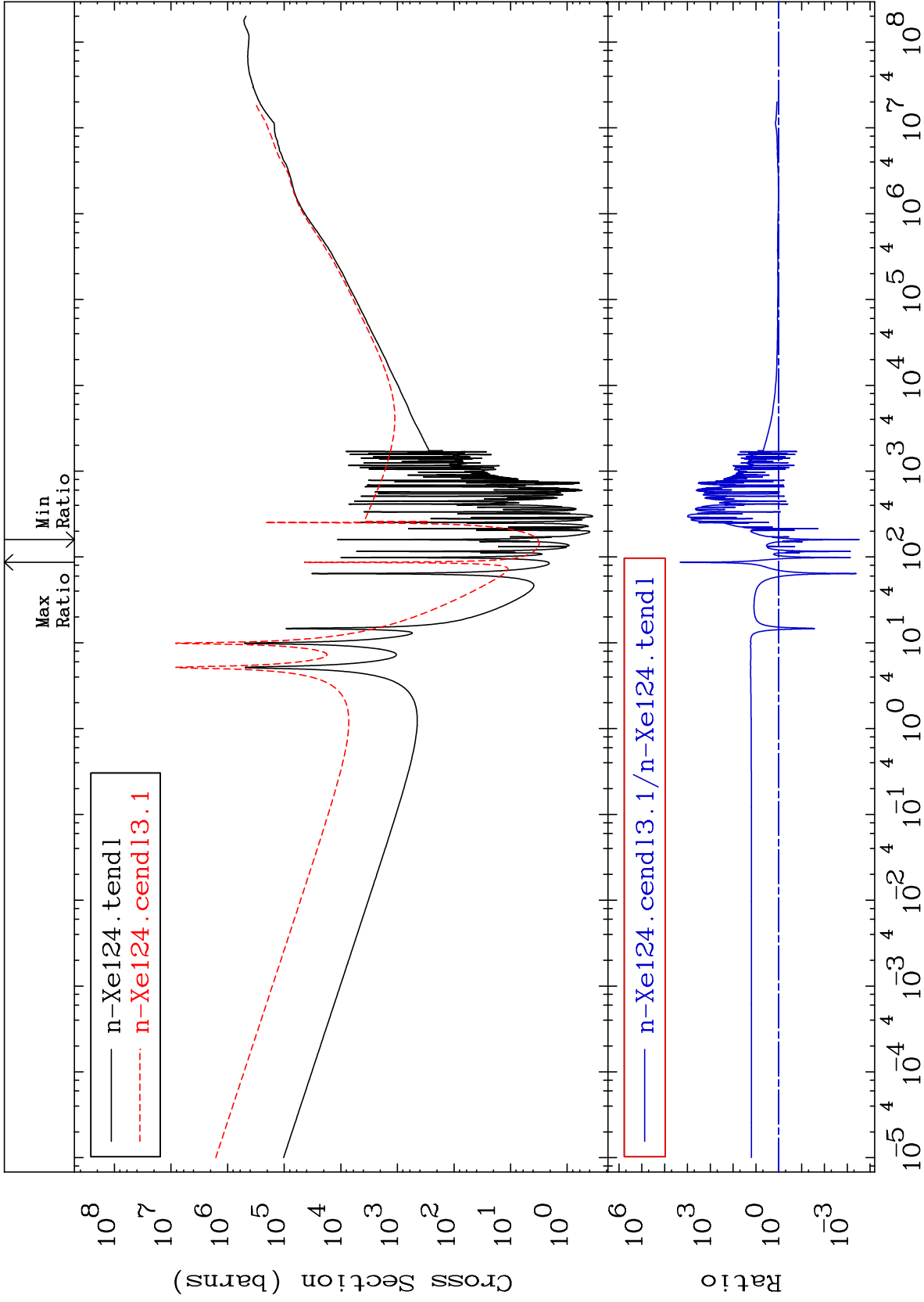
54-Xe-124
-100.0 To -84.81%



41

Incident Energy (eV)

54-Xe-124



MAT 5425

Dpa elastic (mt2)
Cross Section

54-Xe-124
-98.55 To 5201. %

