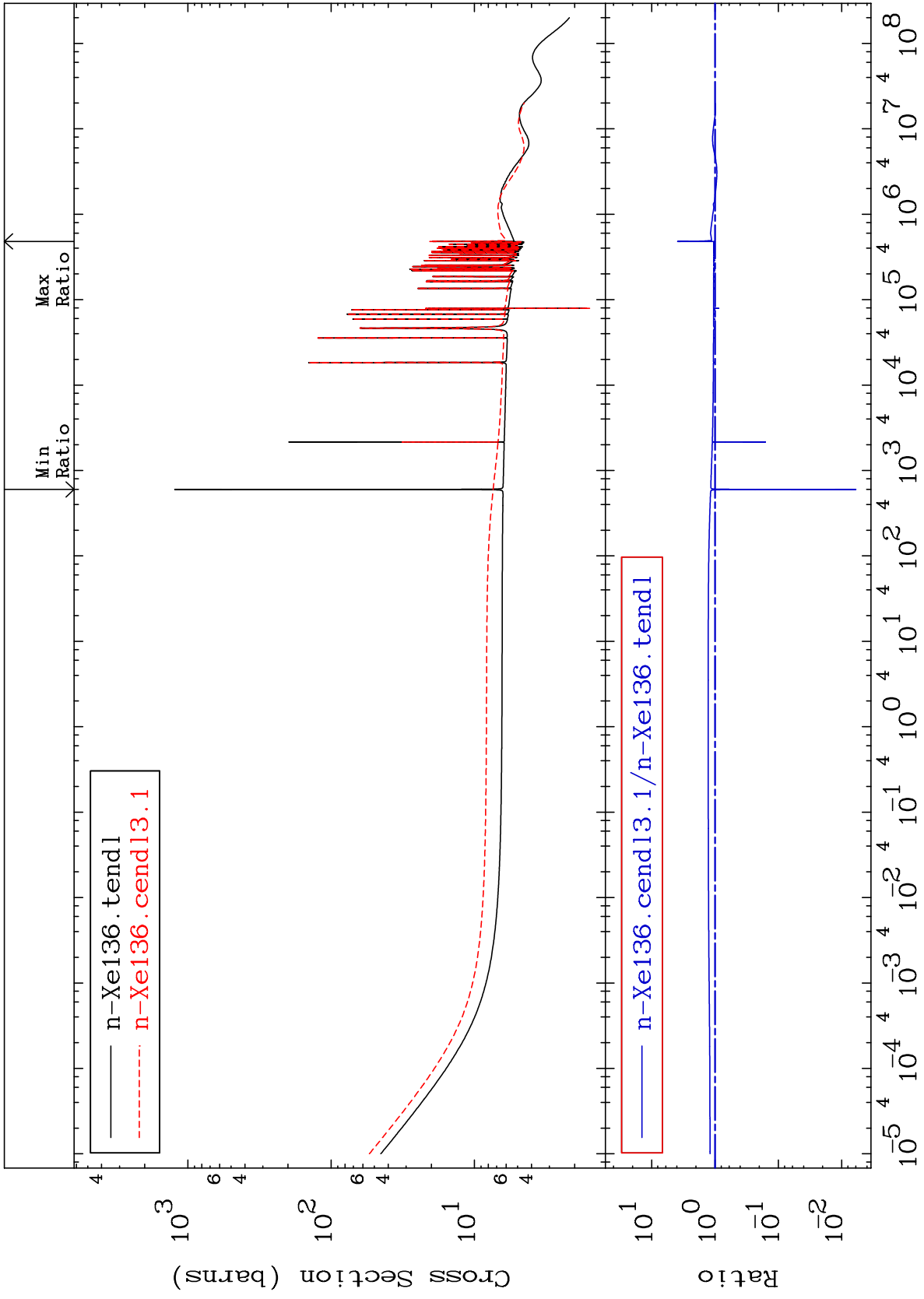


MAT 5461

Total Cross Section

54-Xe-136
-99.40 To 291.2 %



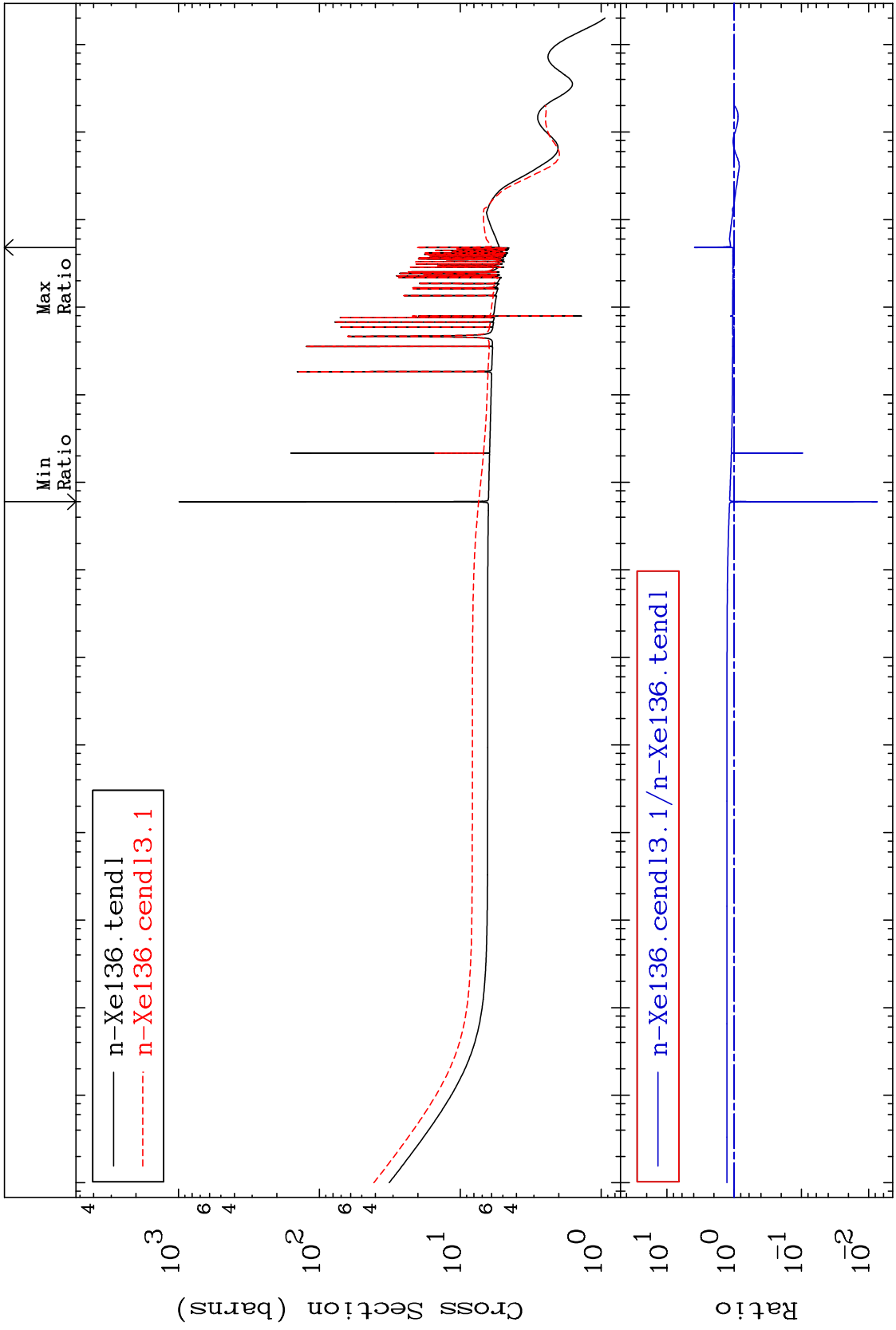
Incident Energy (eV)

54-Xe-136

MAT 5461

Elastic
Cross Section

54-Xe-136
-99.25 To 291.2 %

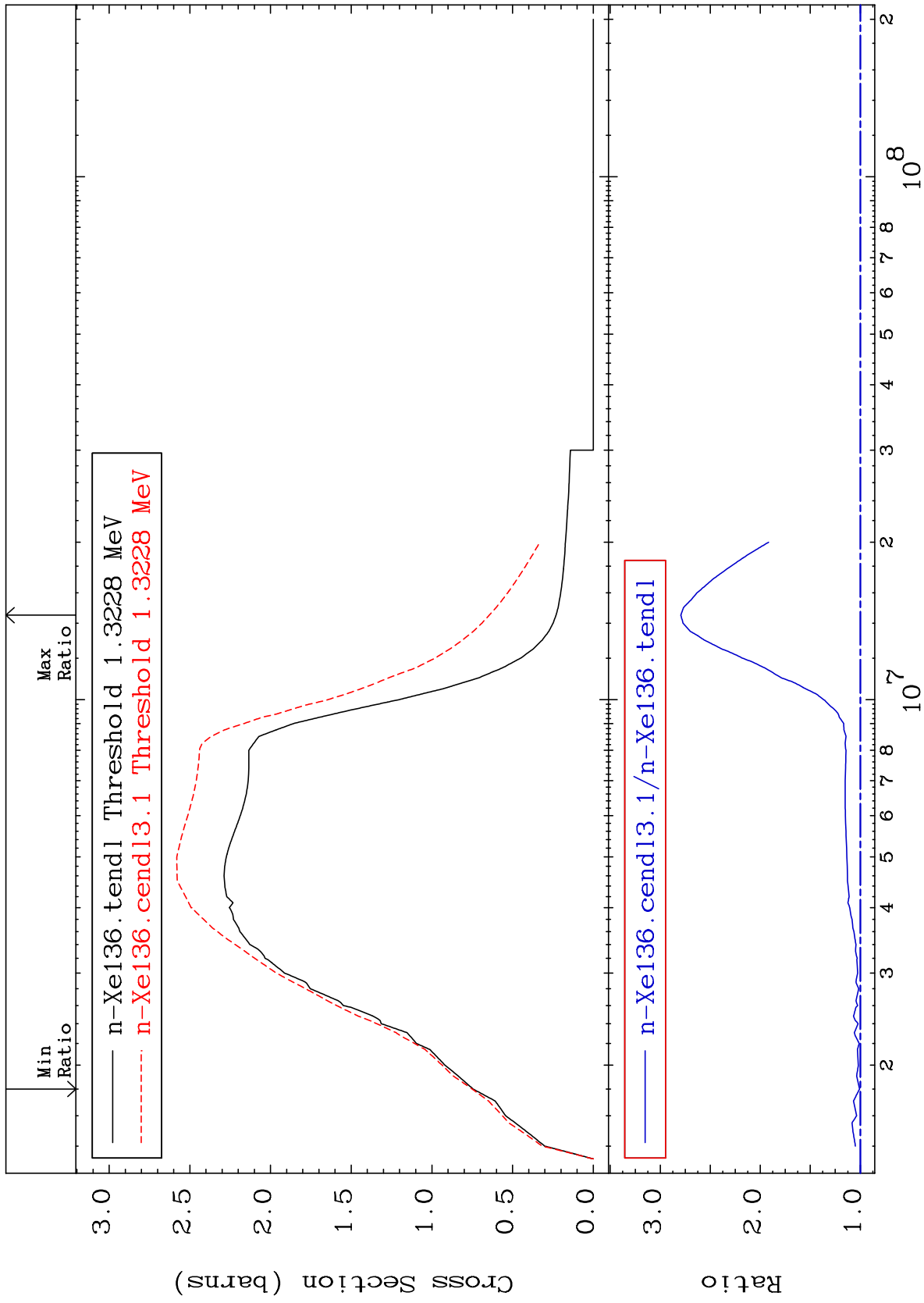


Incident Energy (eV)

54-Xe-136

2

MAT 5461 Inelastic Cross Section 54-Xe-136 To 179.5 %



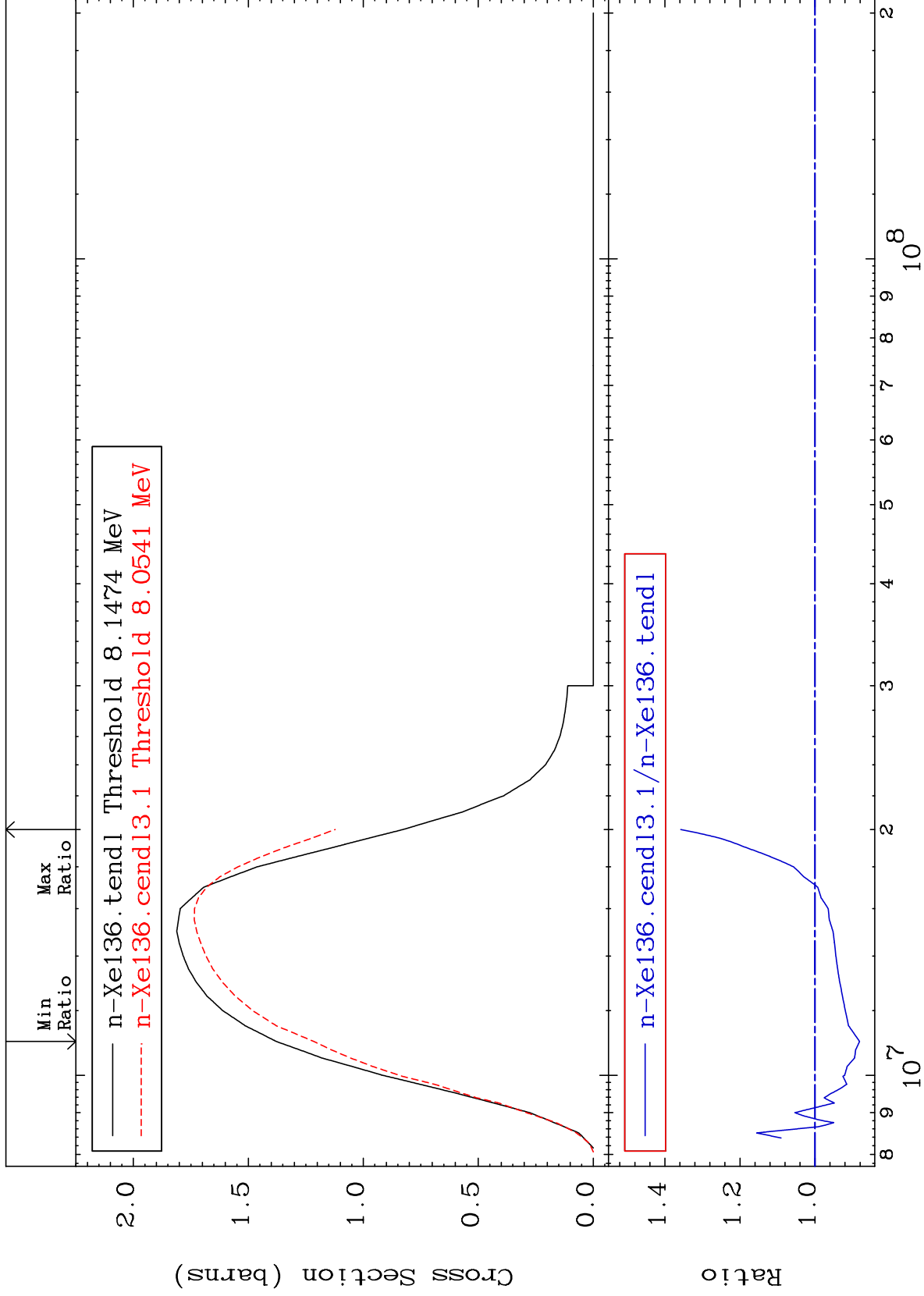
MAT 5461

(n,2n)

54-Xe-136

Cross Section

-11.85 To 35.76 %



Incident Energy (eV)

54-Xe-136

4

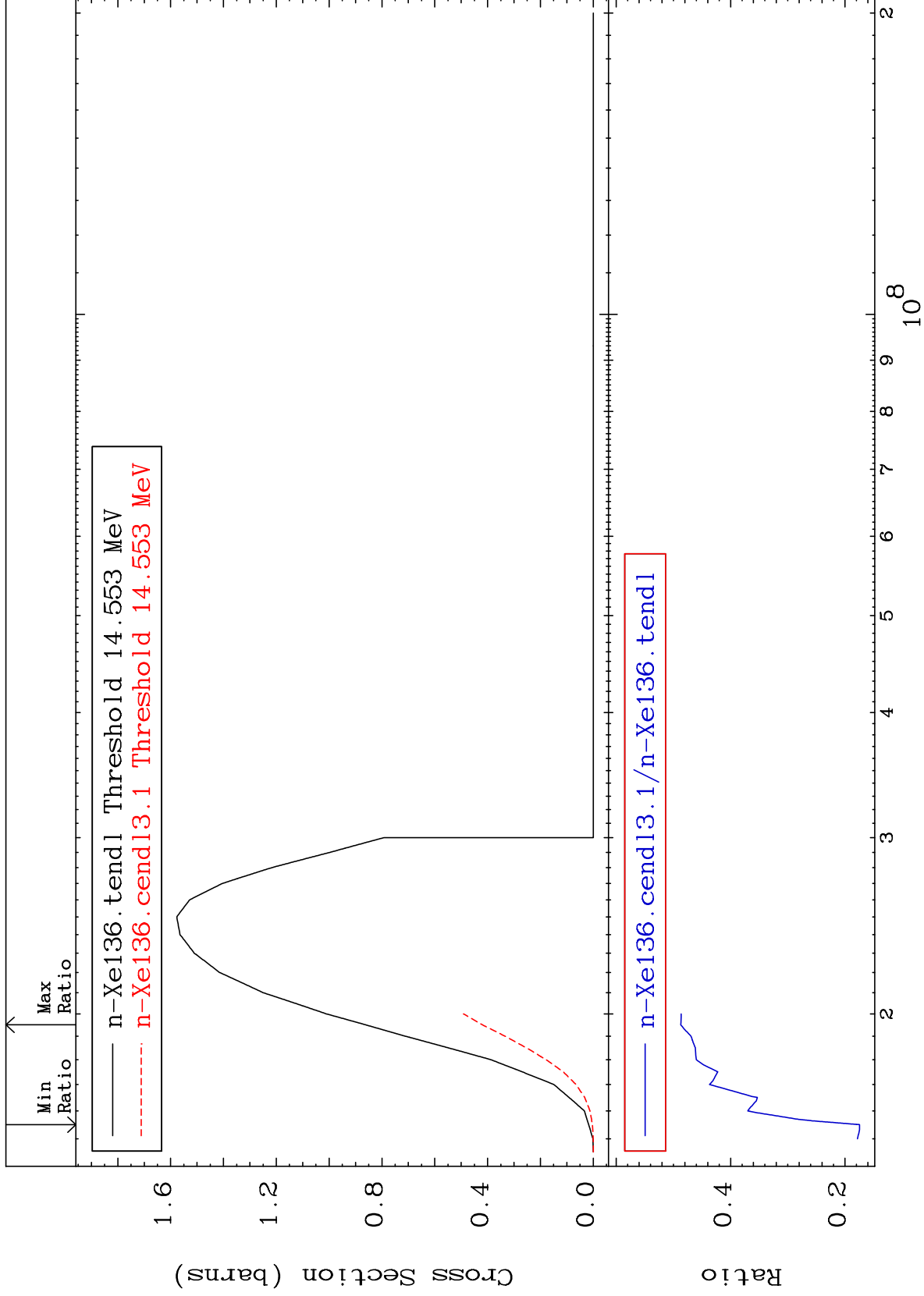
MAT 5461

(n,3n)

54-Xe-136

Cross Section

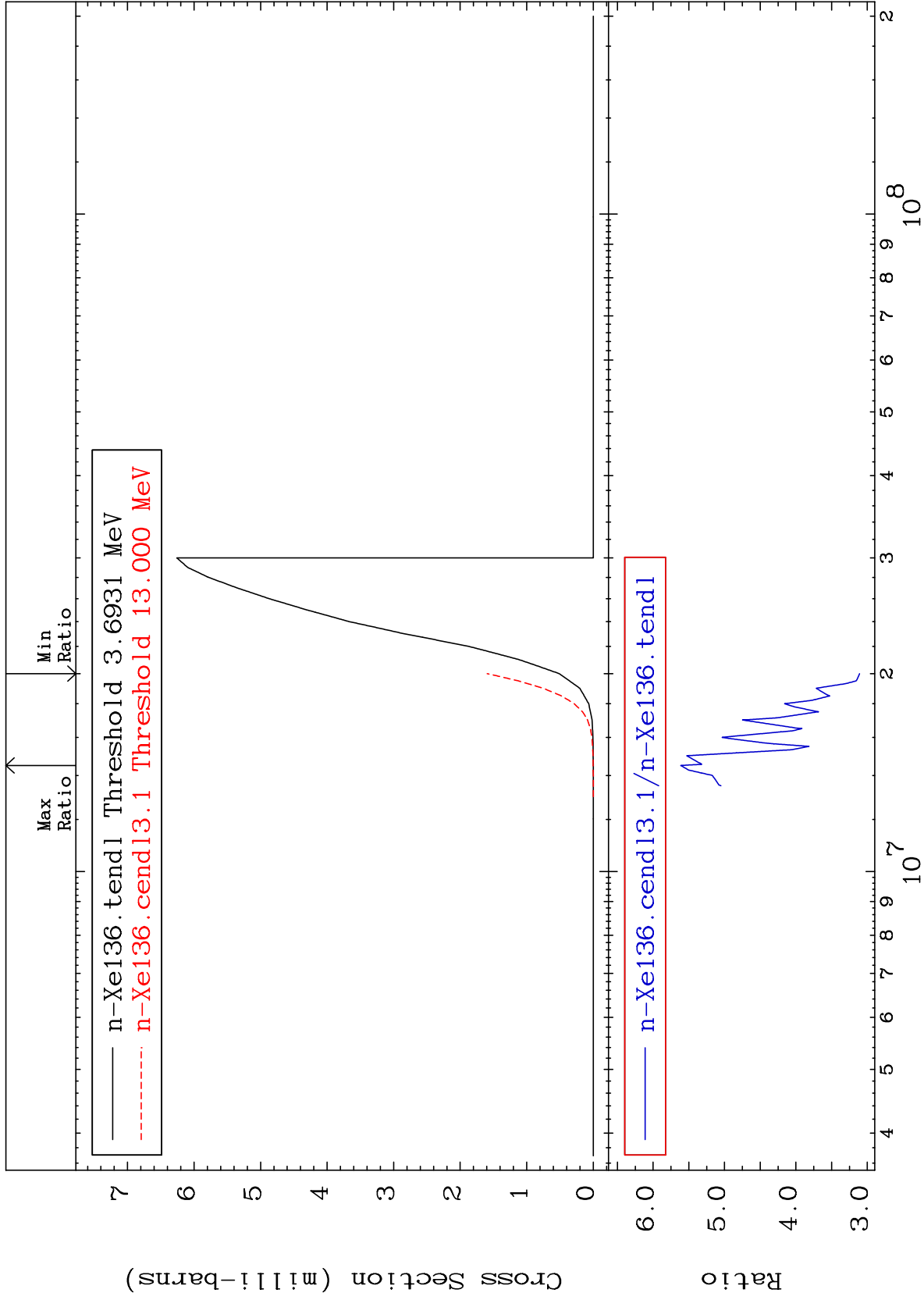
-82.53 To -51.30%



MAT 5461

54-Xe-136
210.9 To 461.3 %

(n,n') α
Cross Section



6

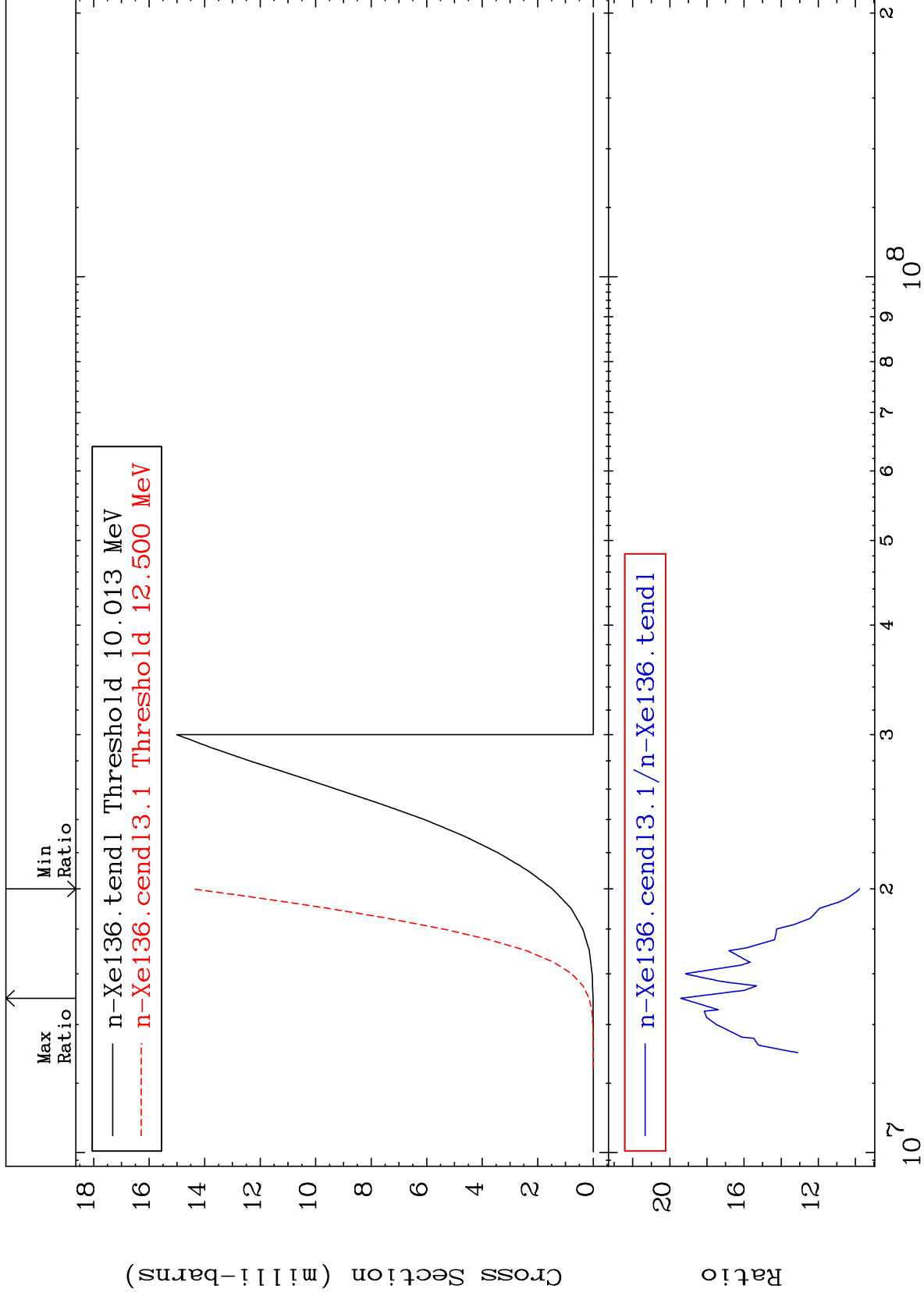
Incident Energy (eV)

54-Xe-136

MAT 5461

(n,n') p
Cross Section

54-Xe-136
877.8 To 1841. %

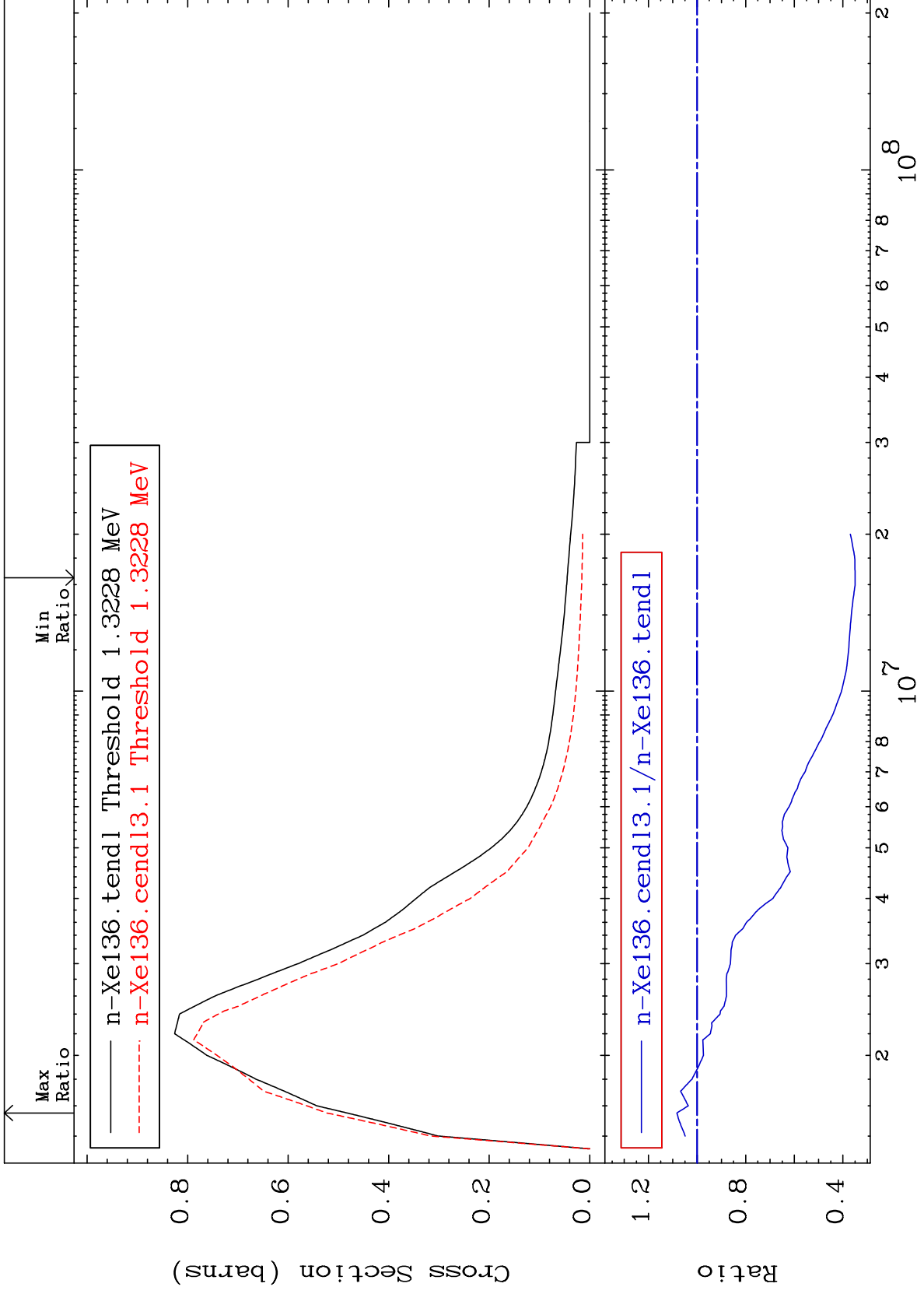


54-Xe-136

MAT 5461

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

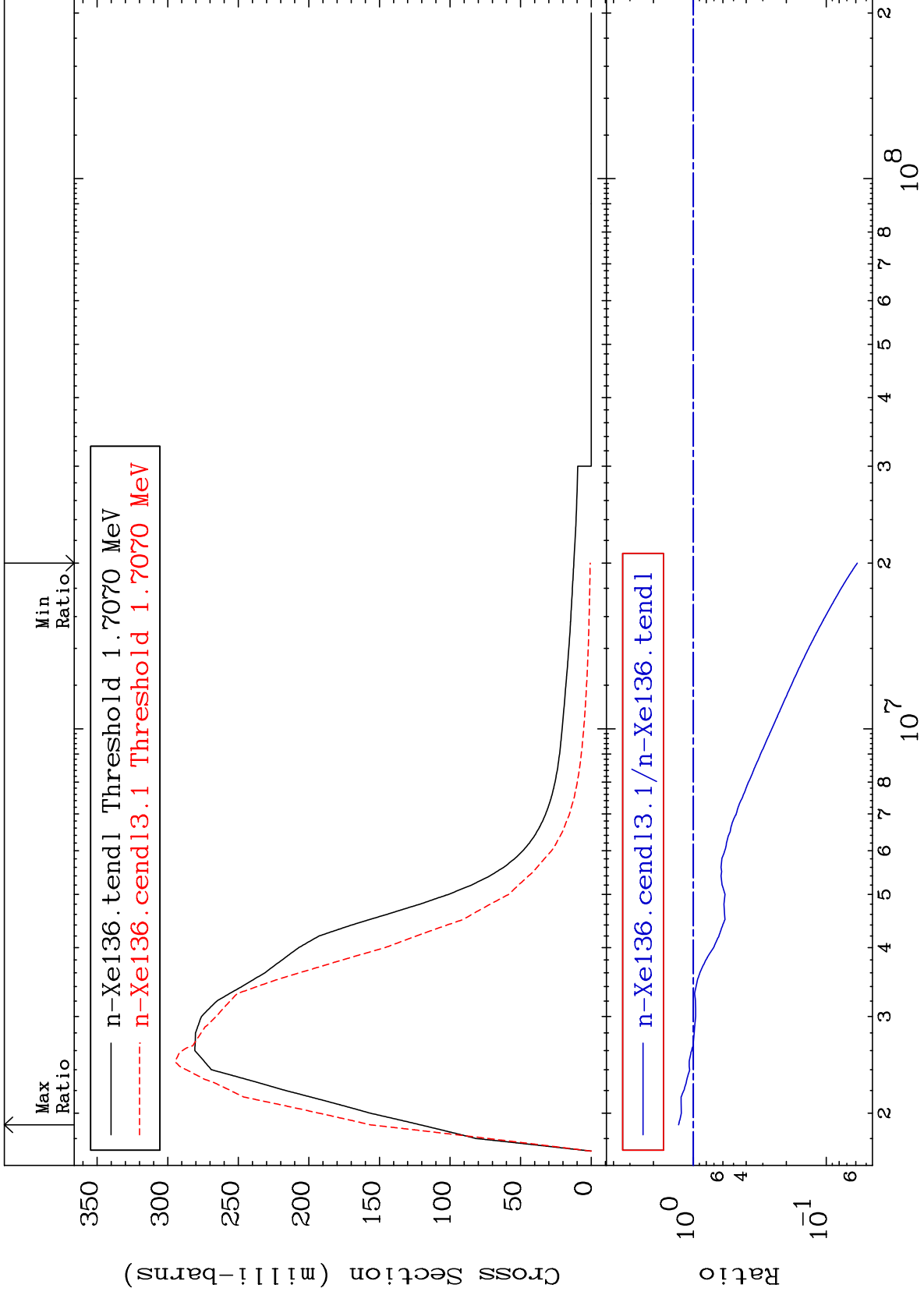
54-Xe-136
-65.01 To 8.307 %



MAT 5461

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

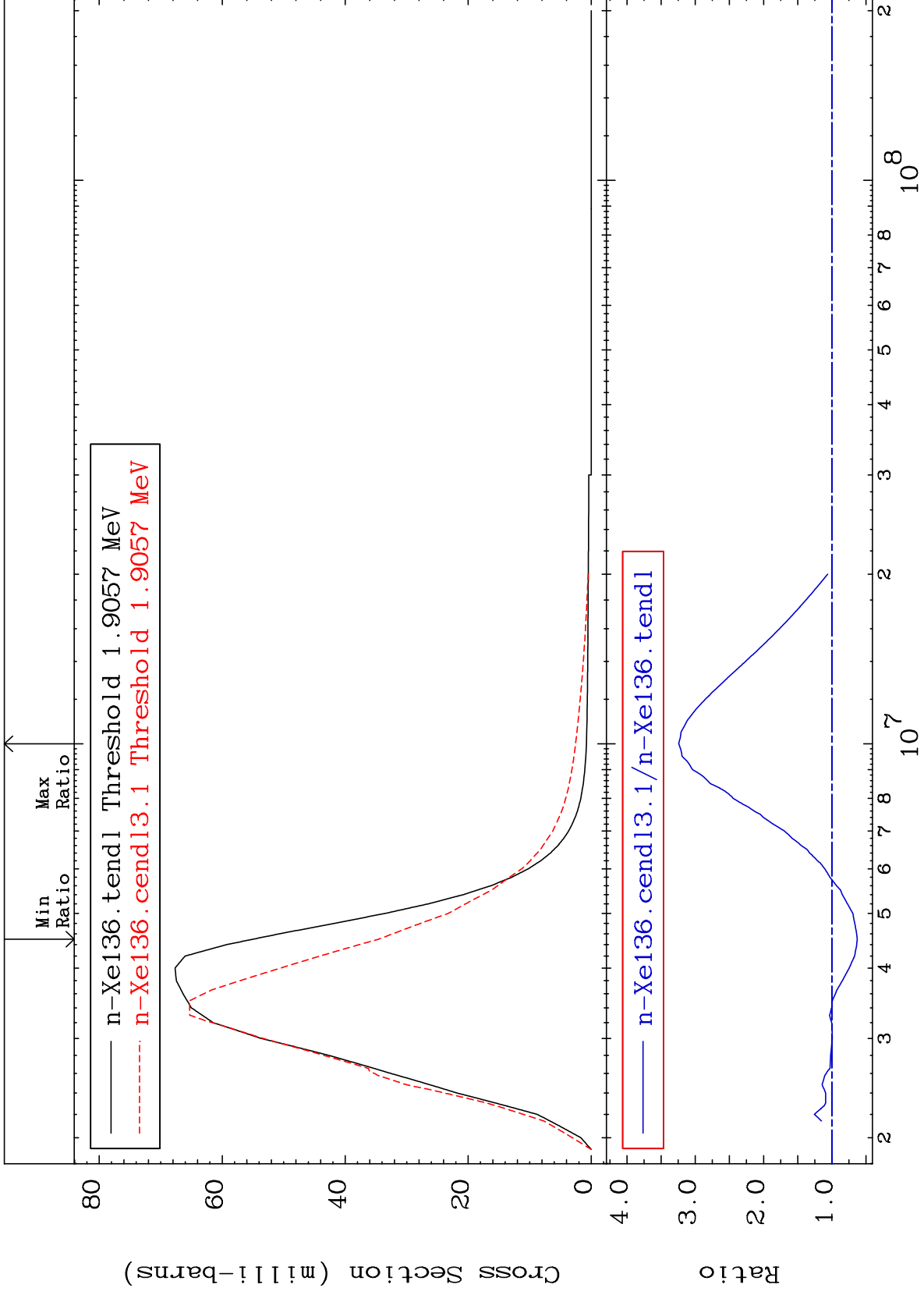
54-Xe-136
-94.16 To 29.16 %



MAT 5461

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

54-Xe-136
-37.15 To 224.3 %



10

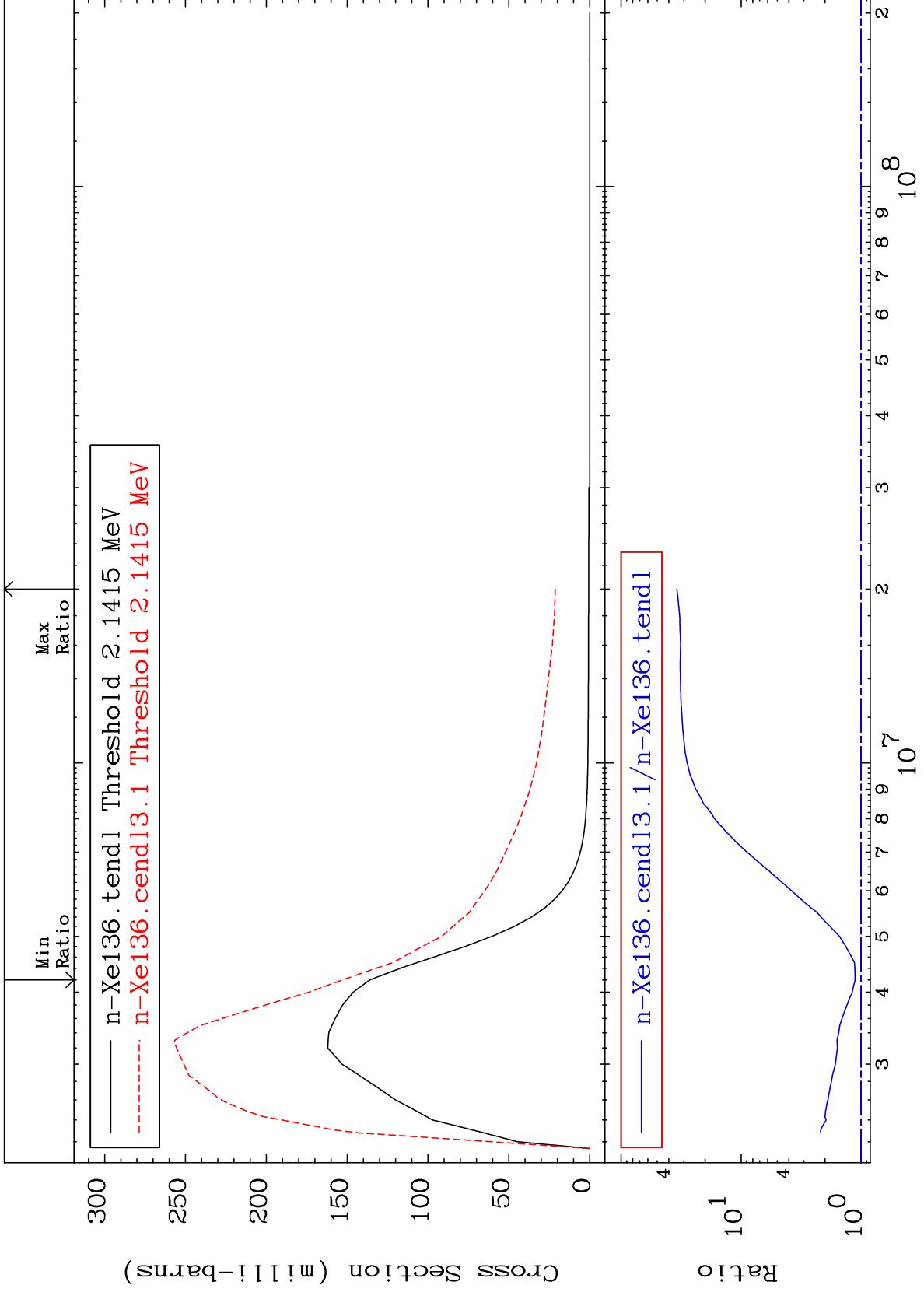
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
12.43 To 3329. %



11

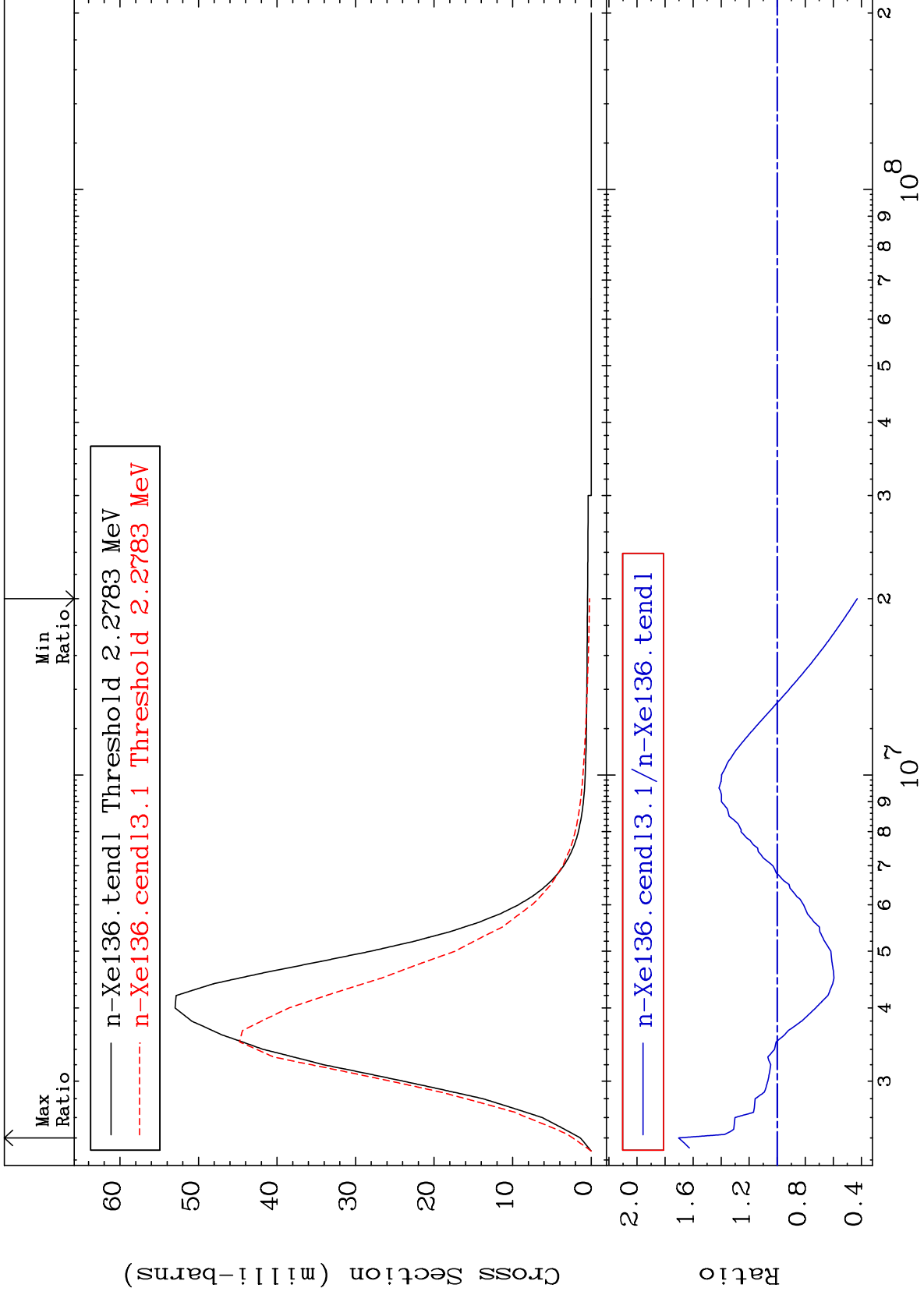
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
-57.09 To 70.33 %



12

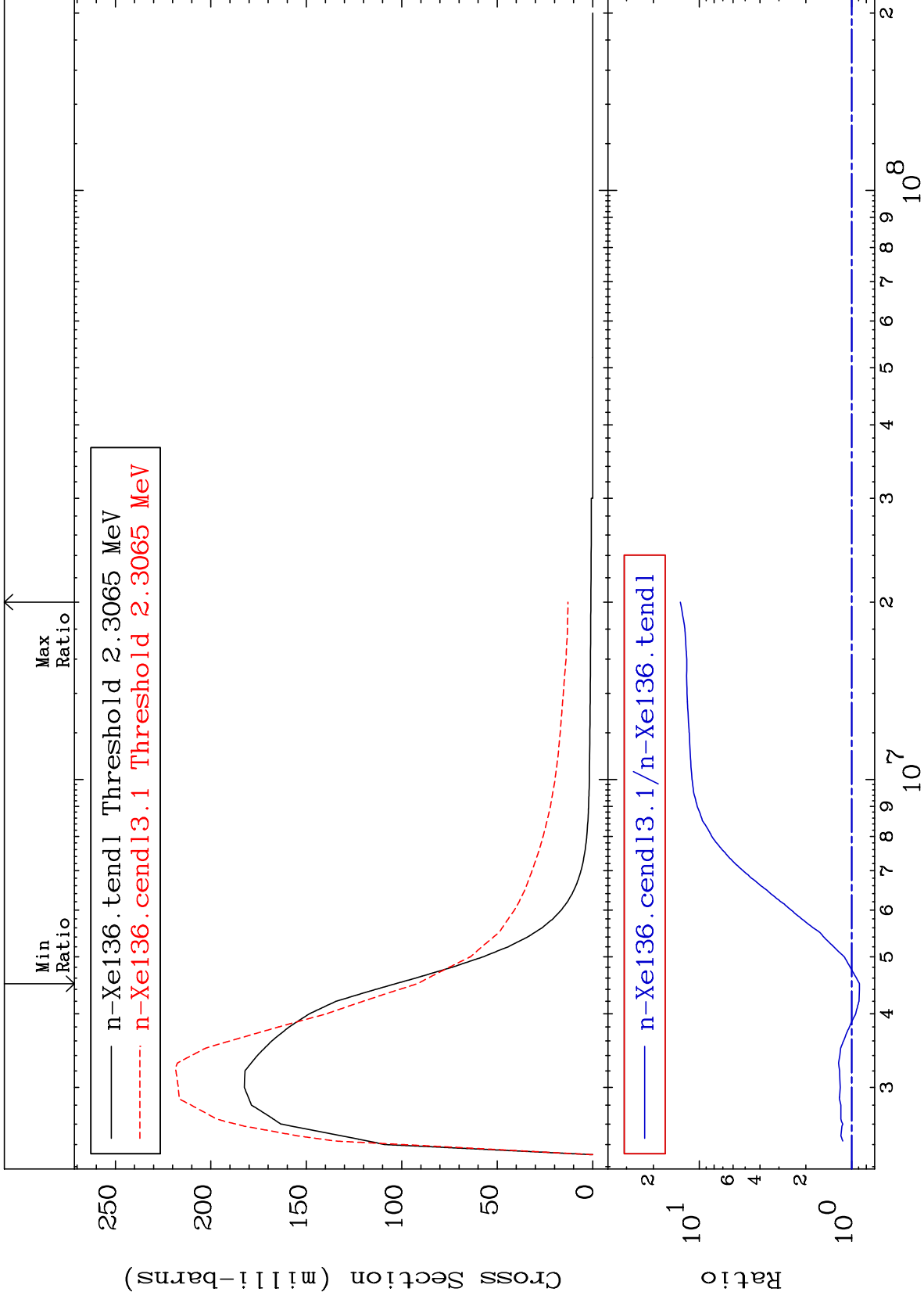
Incident Energy (eV)

54-Xe-136

MAT 5461

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

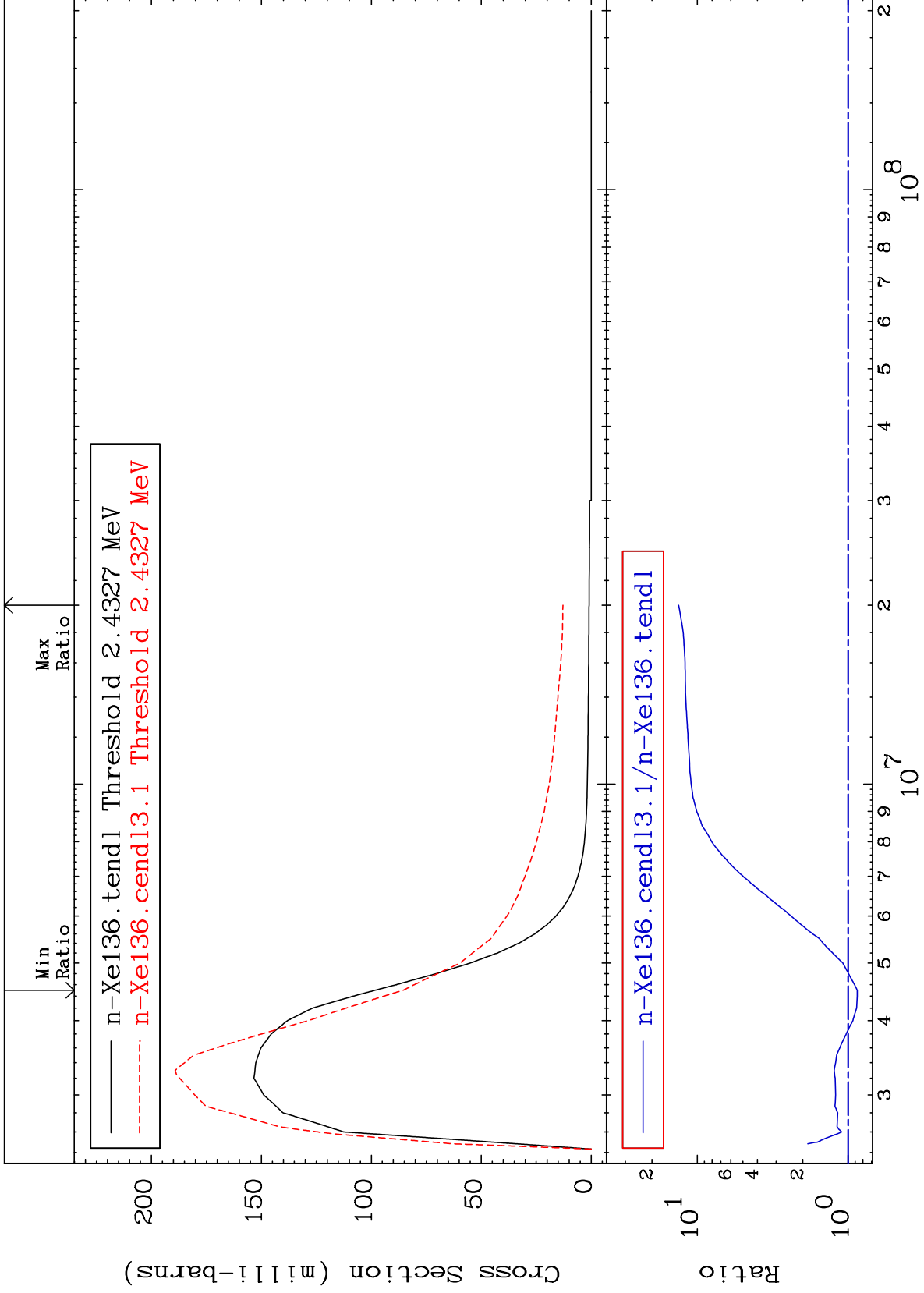
54-Xe-136
-11.13 To 1231. %



MAT 5461

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

54-Xe-136
-12.95 To 1231. %



14

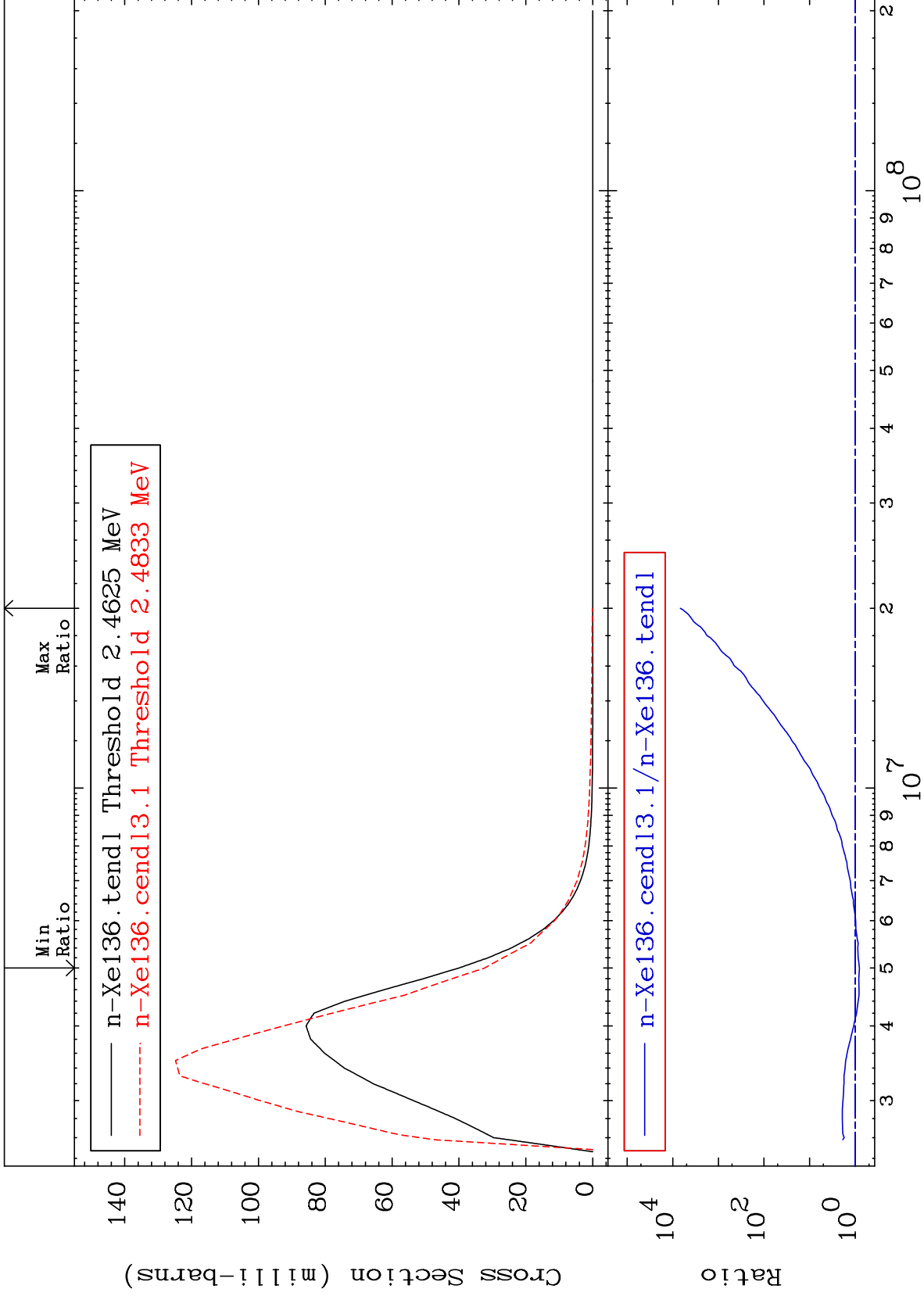
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
-19.27 To 9999. %



15

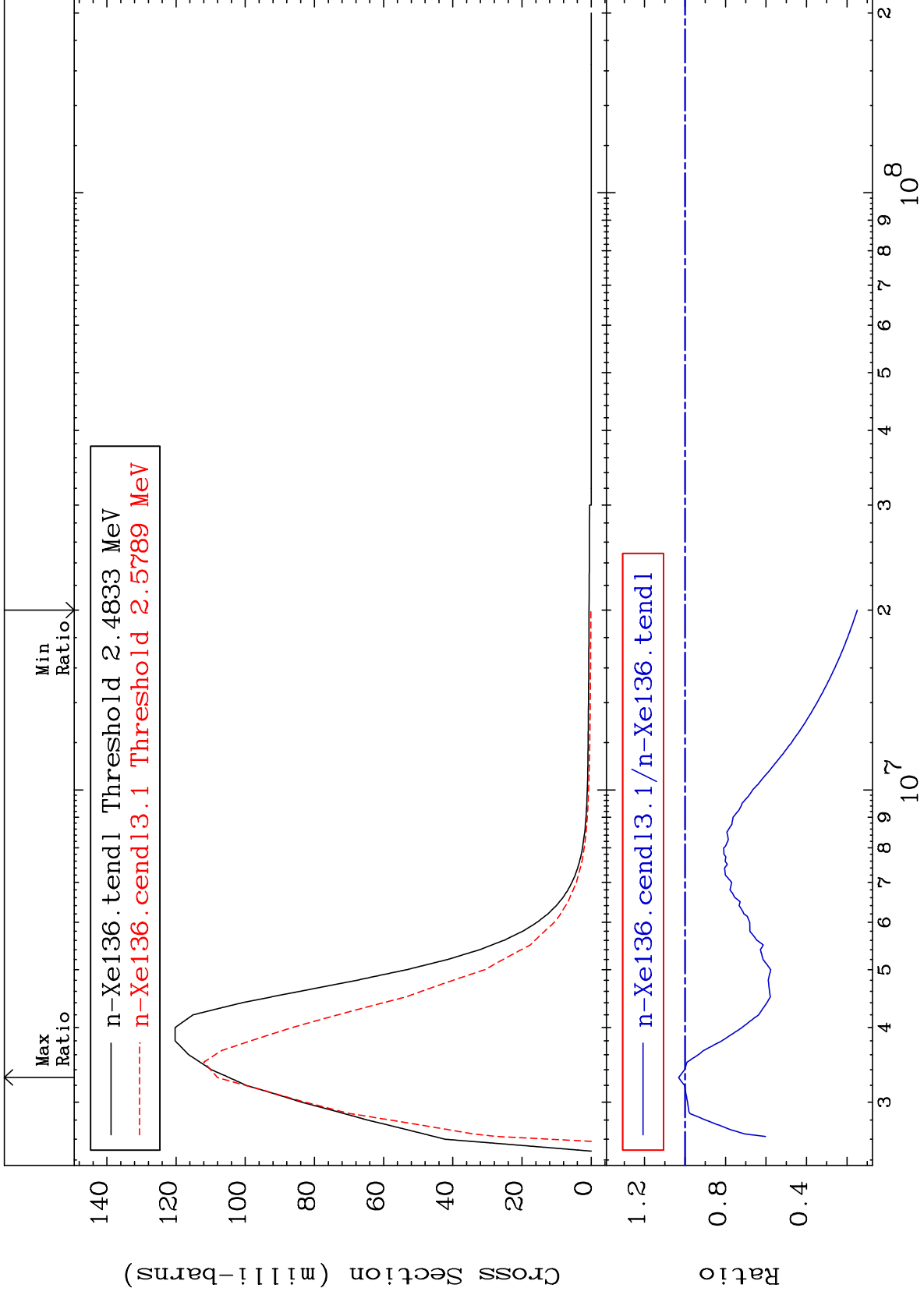
Incident Energy (eV)

54-Xe-136

MAT 5461

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

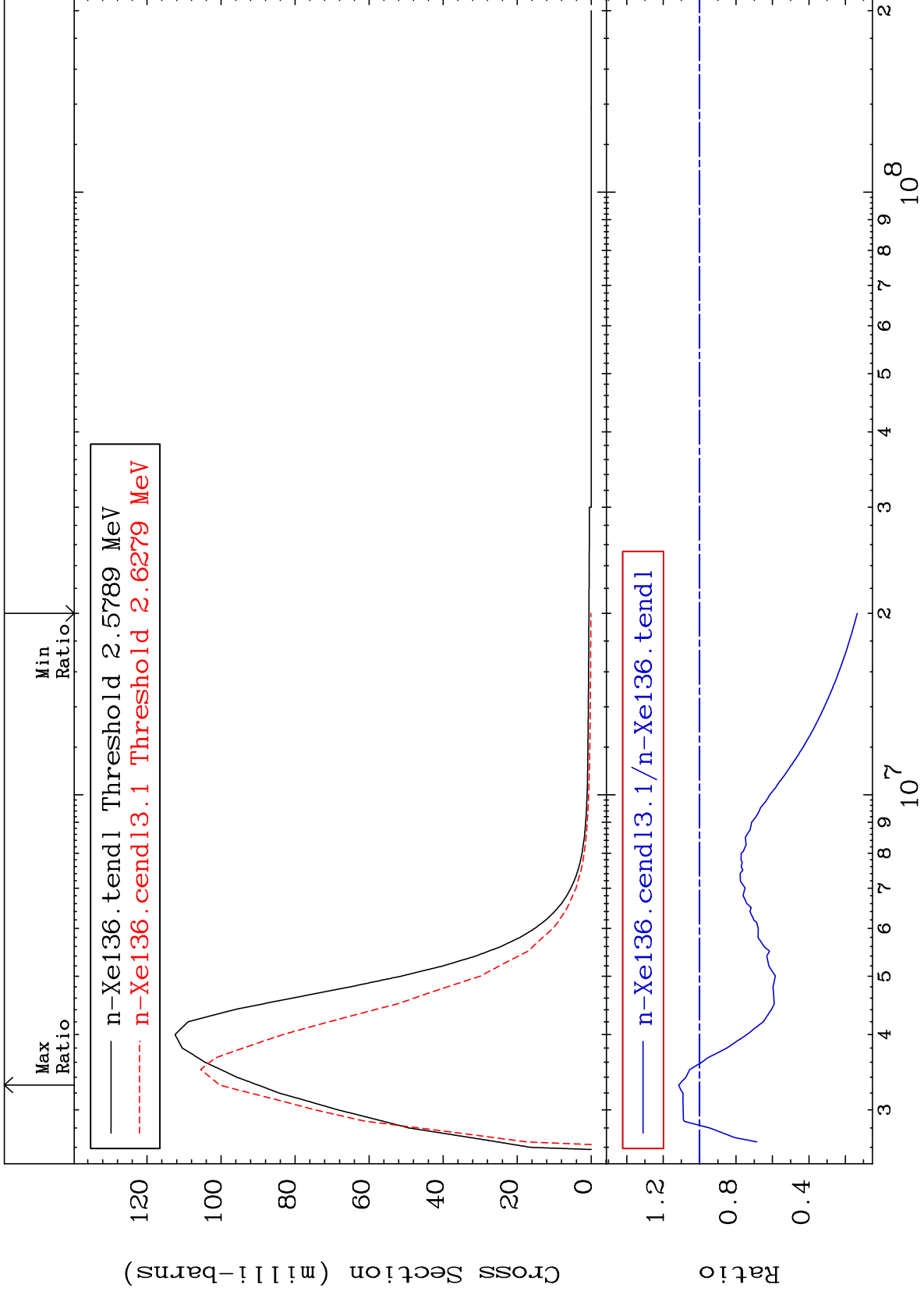
54-Xe-136
-85.08 To 3.174 %



MAT 5461

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

54-Xe-136
-86.53 To 11.50 %



17

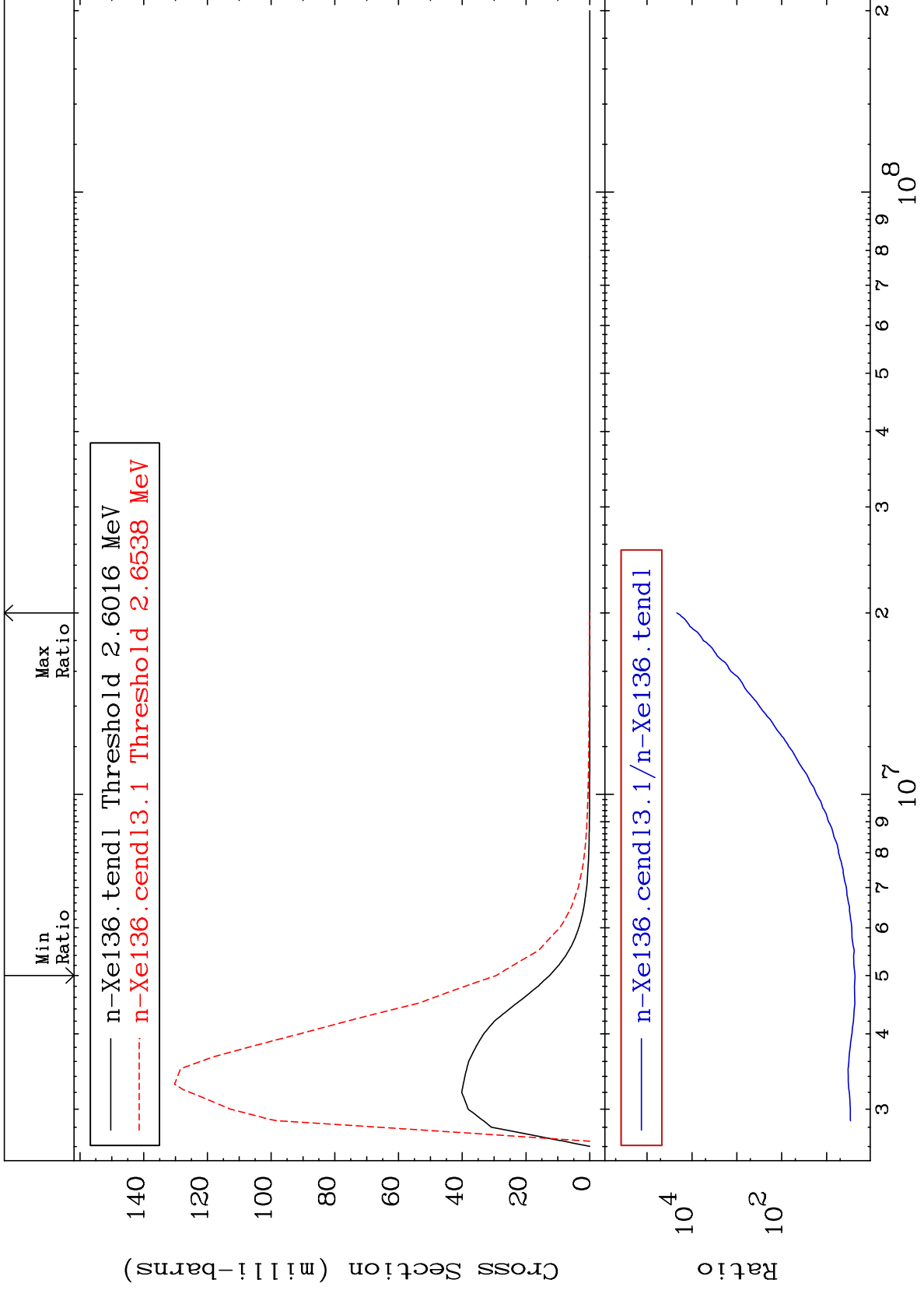
Incident Energy (eV)

54-Xe-136

MAT 5461

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

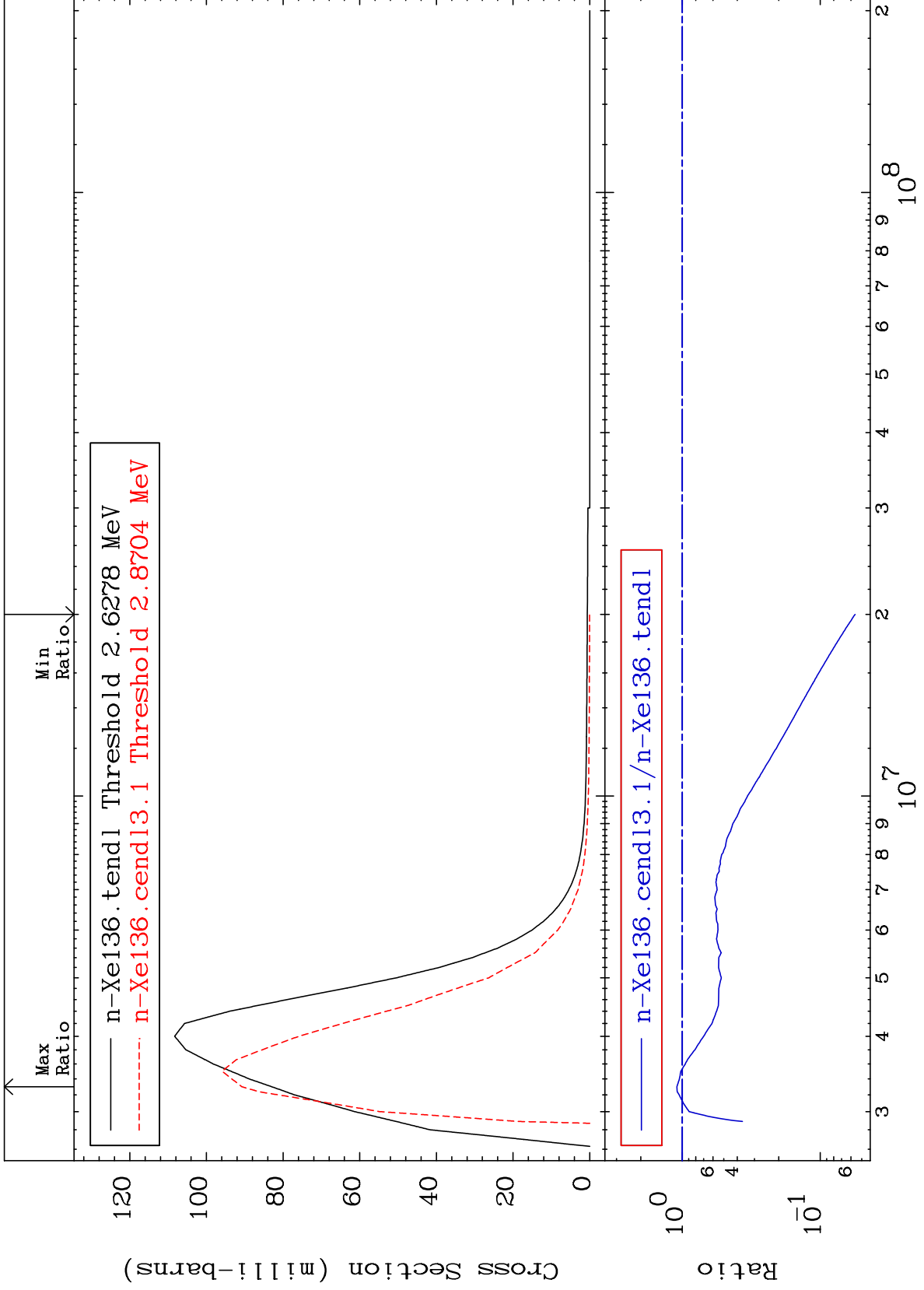
54-Xe-136
132.4 To 9999. %



MAT 5461

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

54-Xe-136
-94.41 To 9.446 %



19

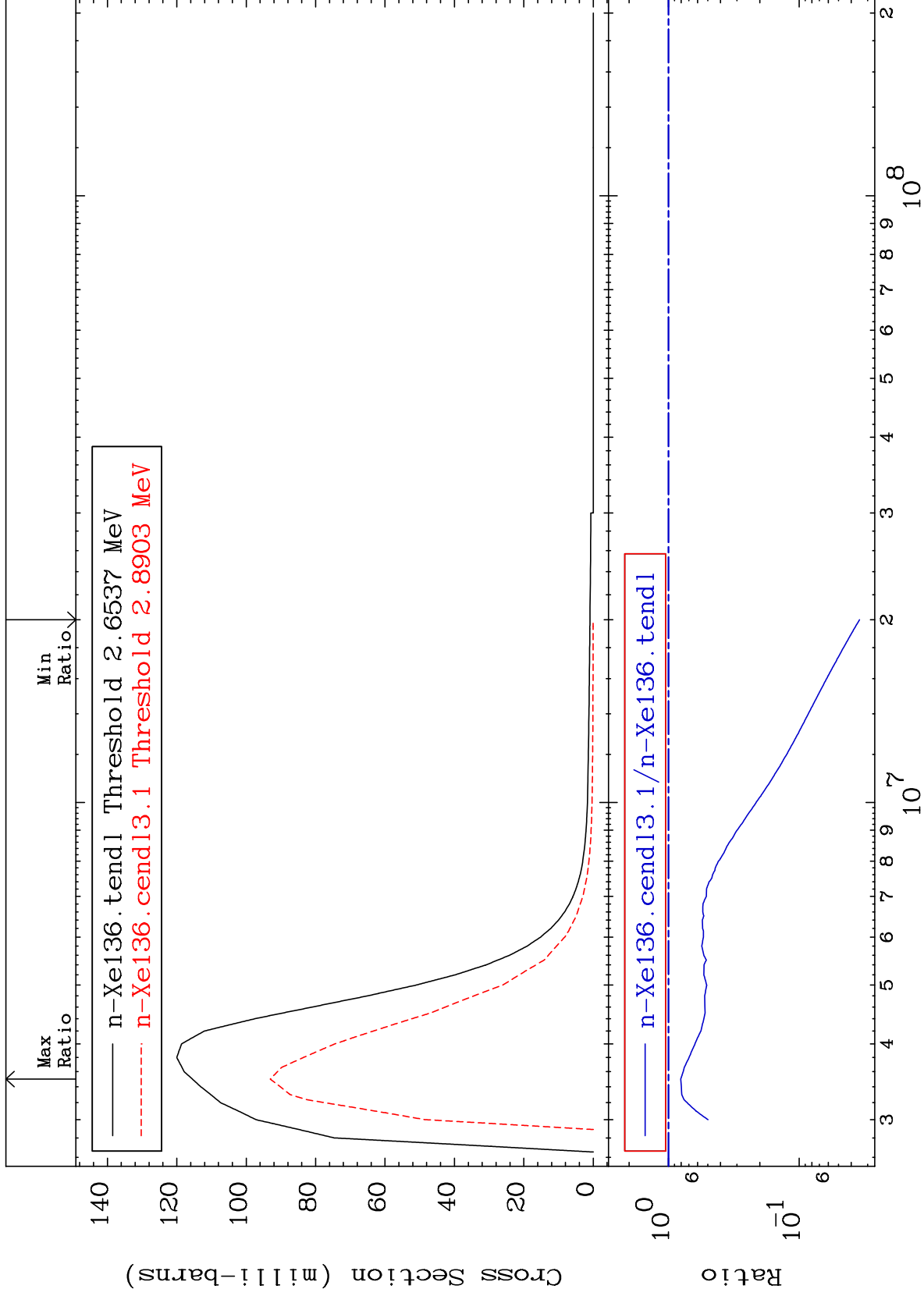
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
-96.55 To -19.42%



20

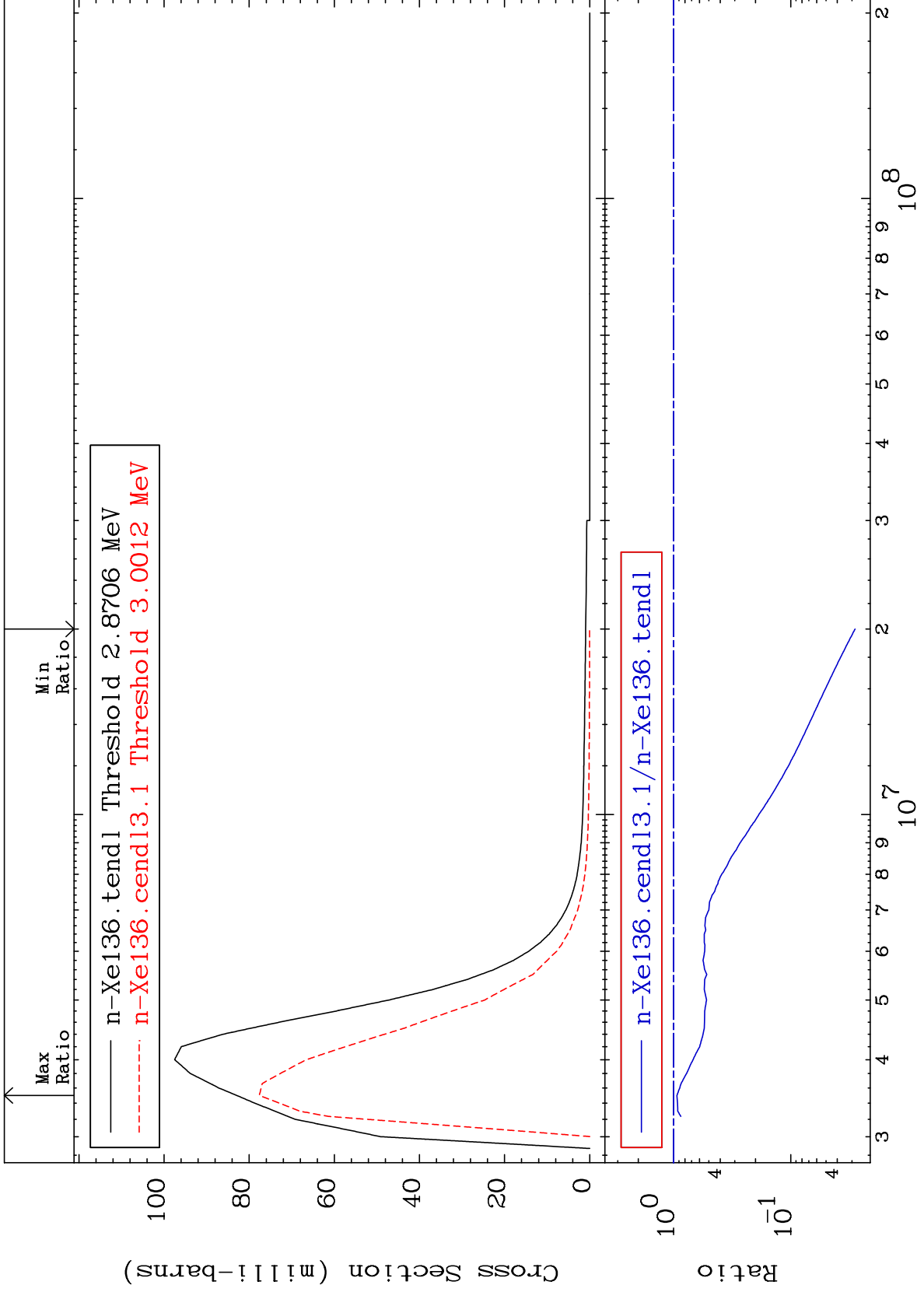
Incident Energy (eV)

54-Xe-136

MAT 5461

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

54-Xe-136
-97.18 To -6.412%



21

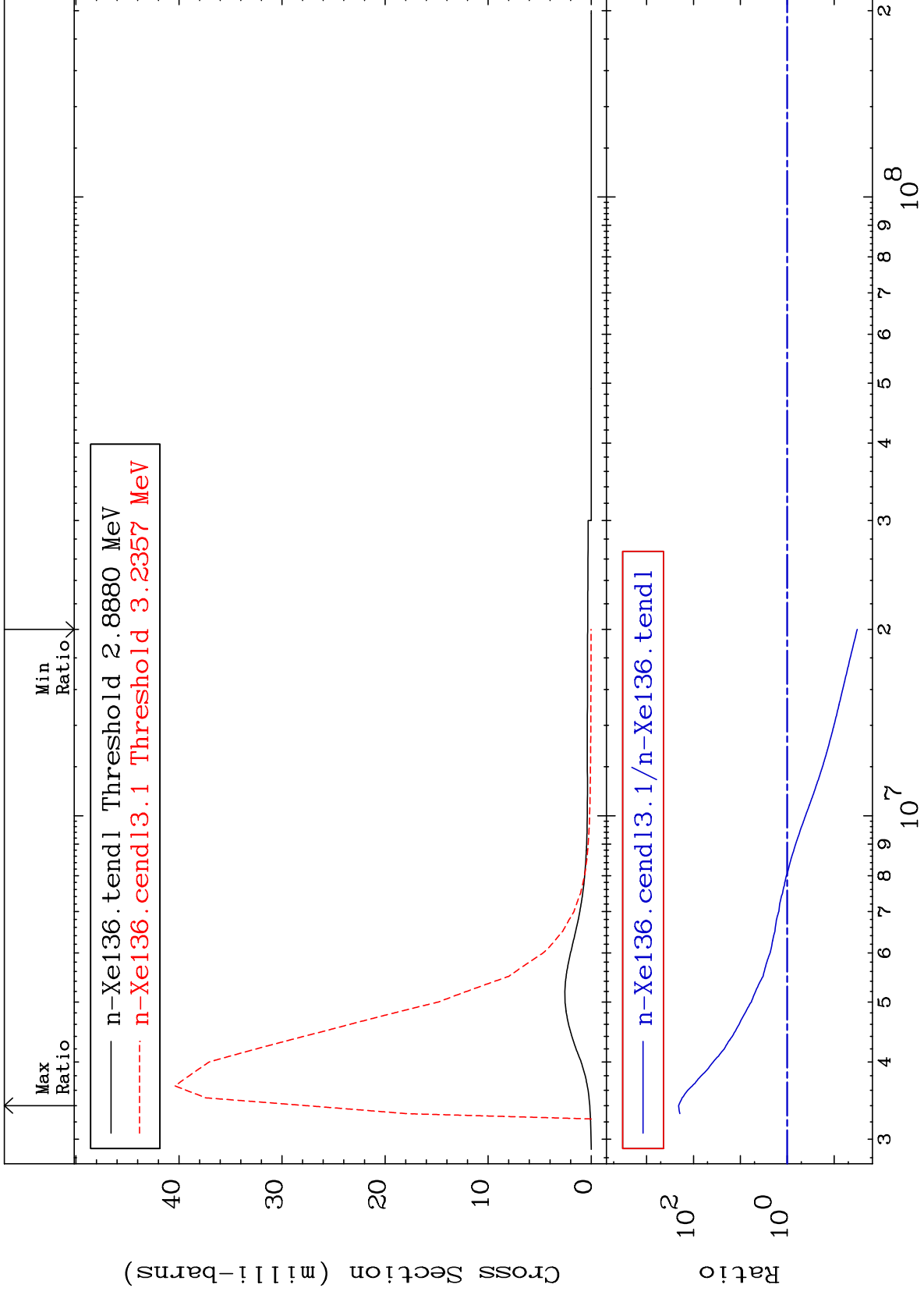
Incident Energy (eV)

54-Xe-136

MAT 5461

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

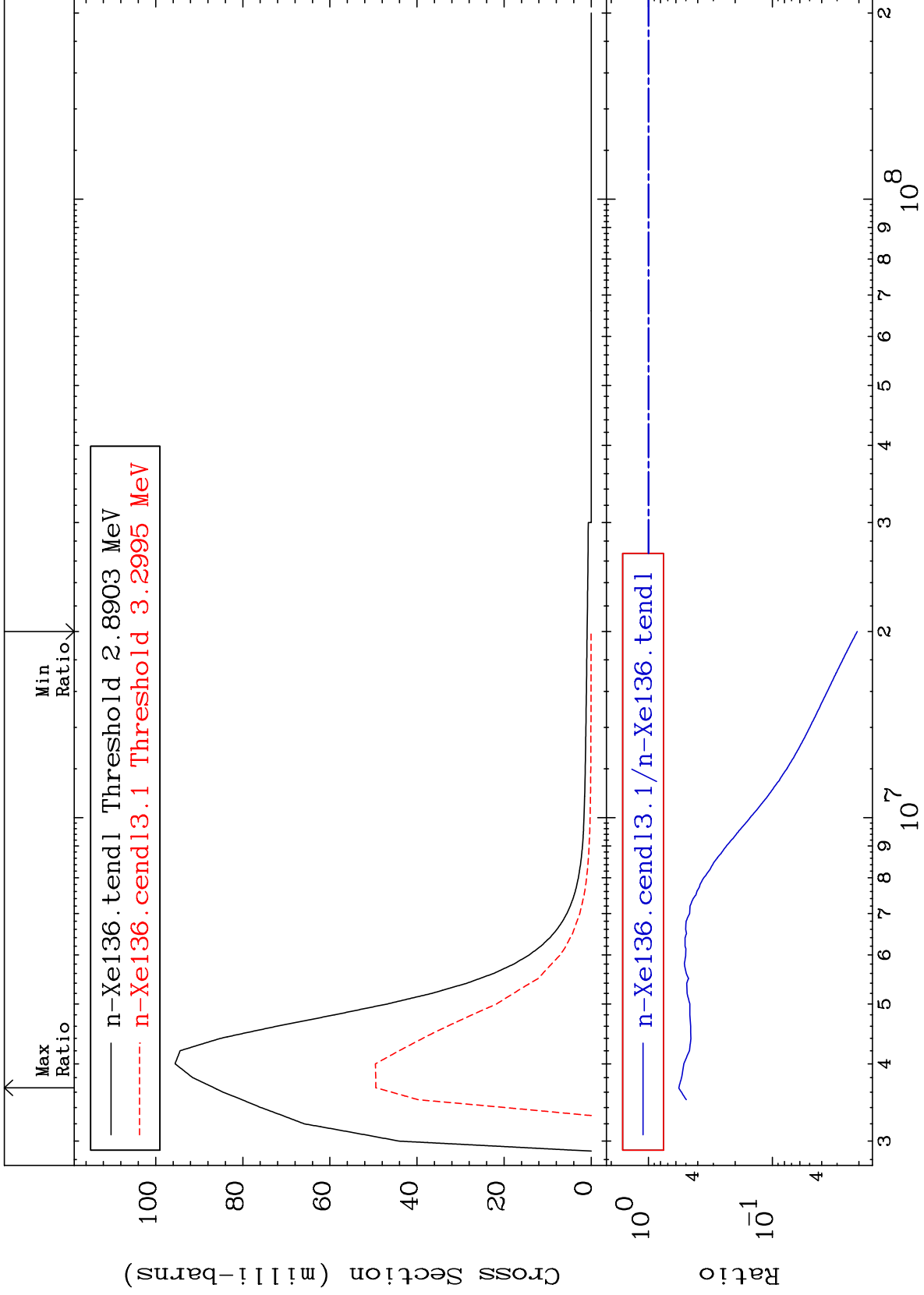
54-Xe-136
-96.79 To 9999. %

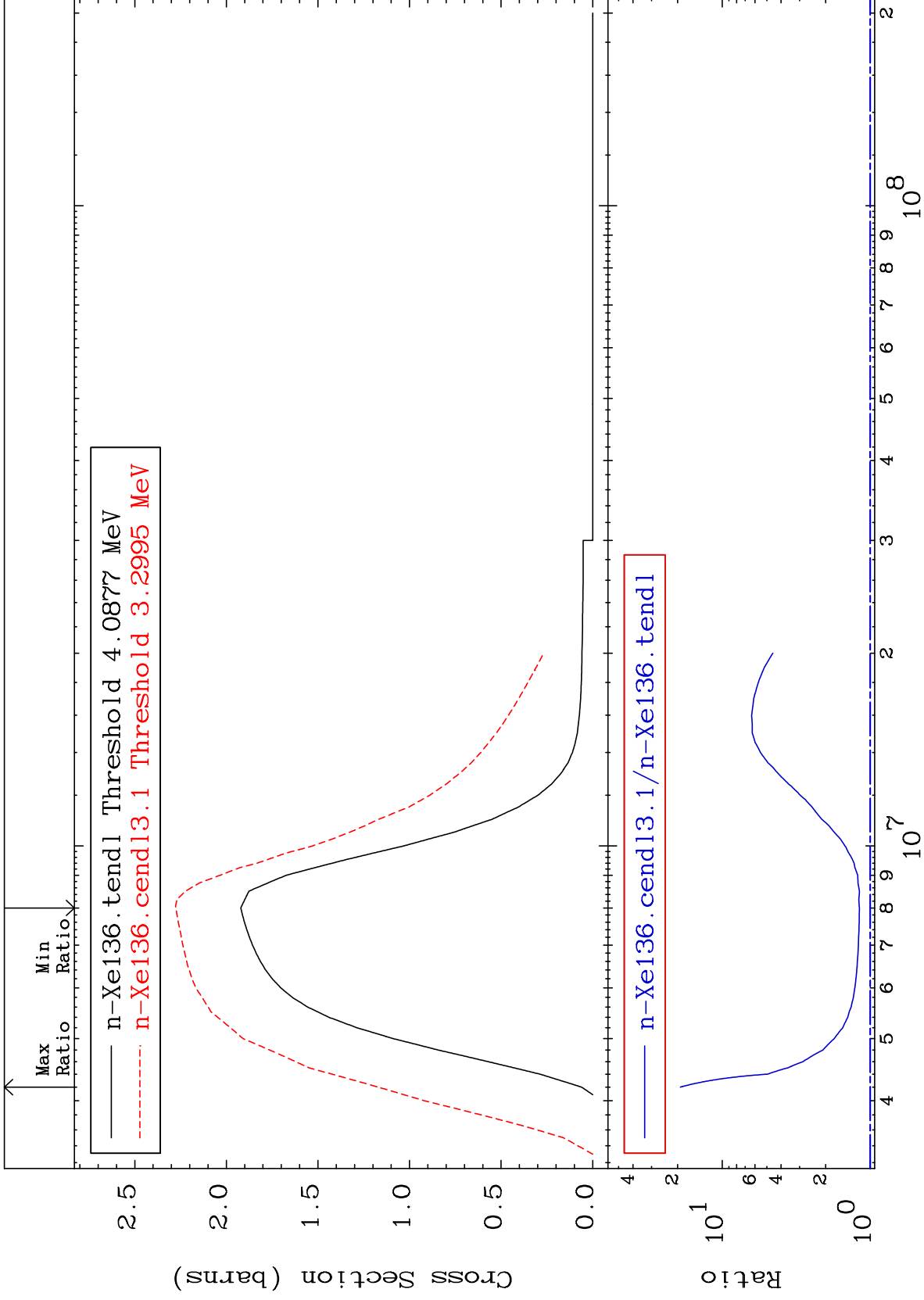


MAT 5461

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

54-Xe-136
-97.94 To -42.90%

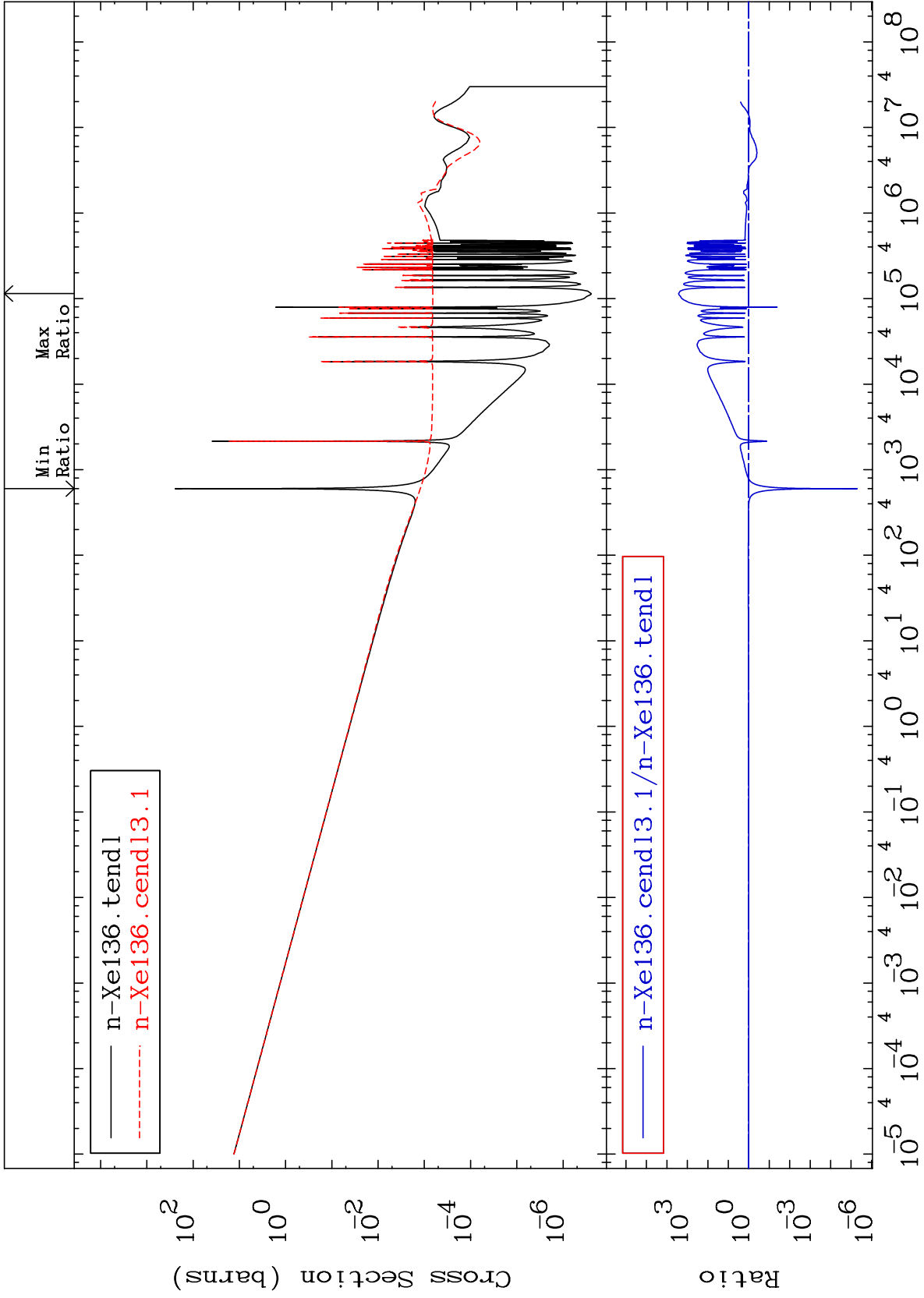




MAT 5461

(n, γ)
Cross Section

54-Xe-136
-100.0 To 9999. %



25

Incident Energy (eV)

54-Xe-136

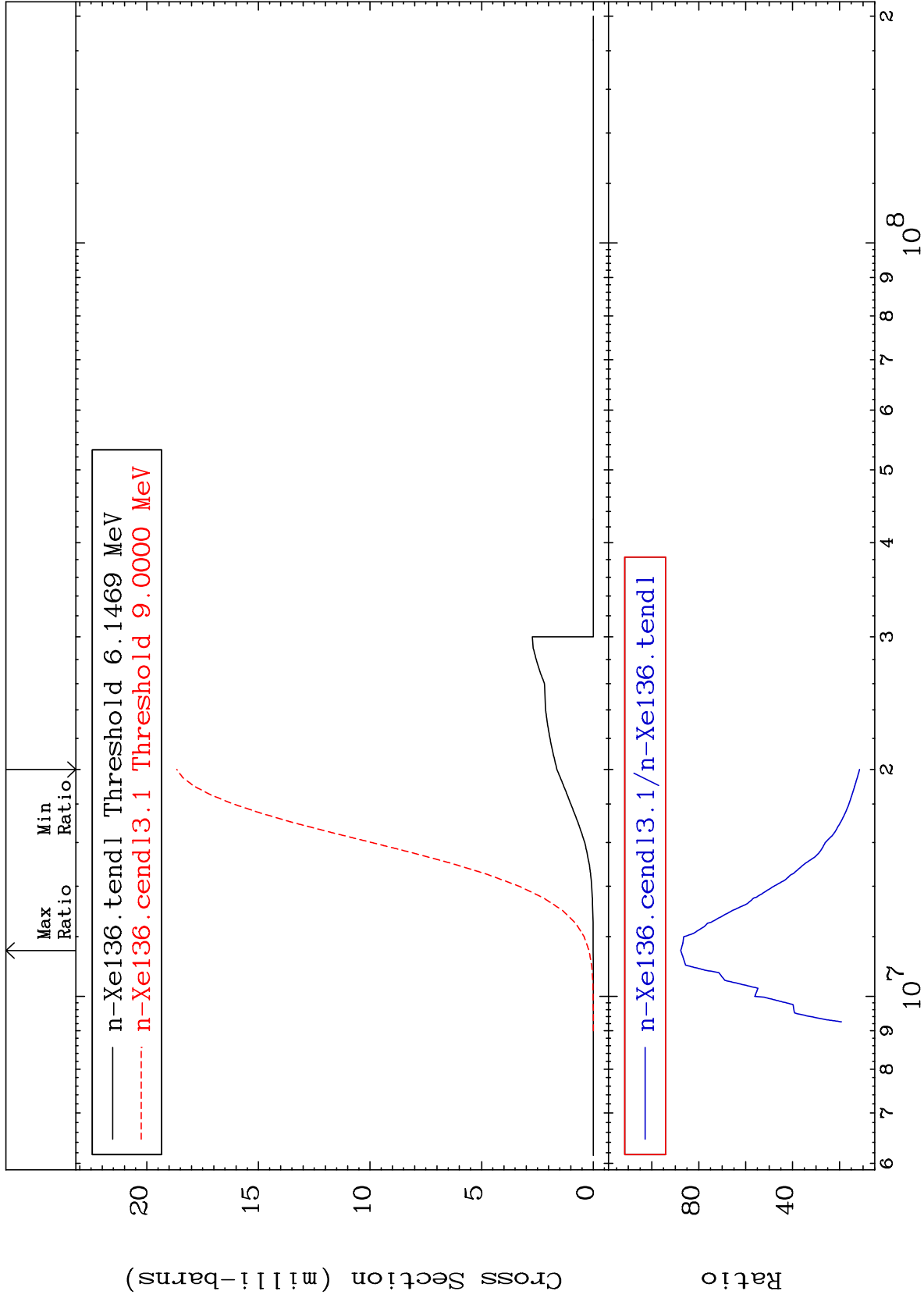
MAT 5461

(n,p)

54-Xe-136

Cross Section

1047. To 8666. %



26

Incident Energy (eV)

54-Xe-136

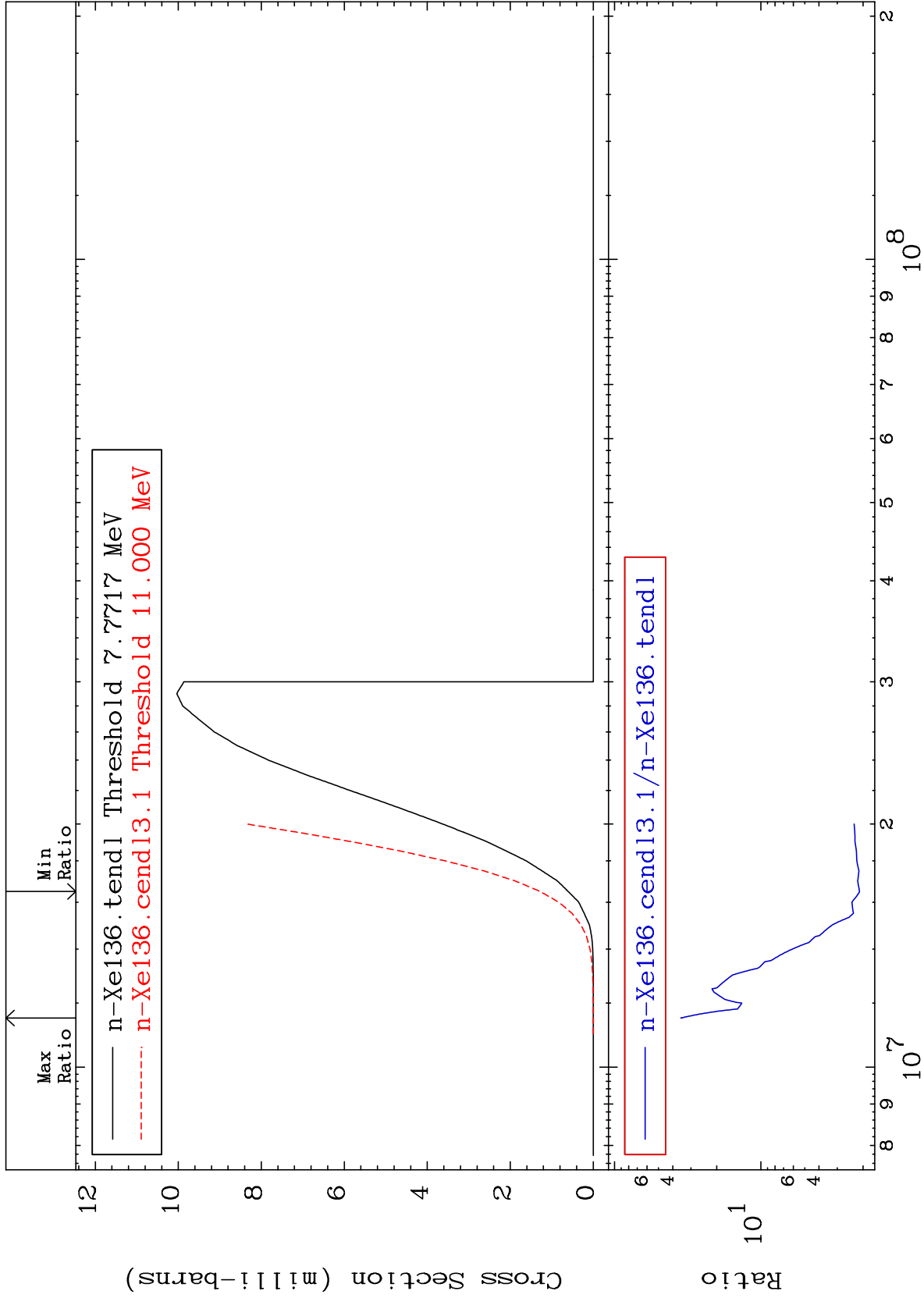
MAT 5461

(n, d)

54-Xe-136

Cross Section

111.5 To 3424. %



27

54-Xe-136

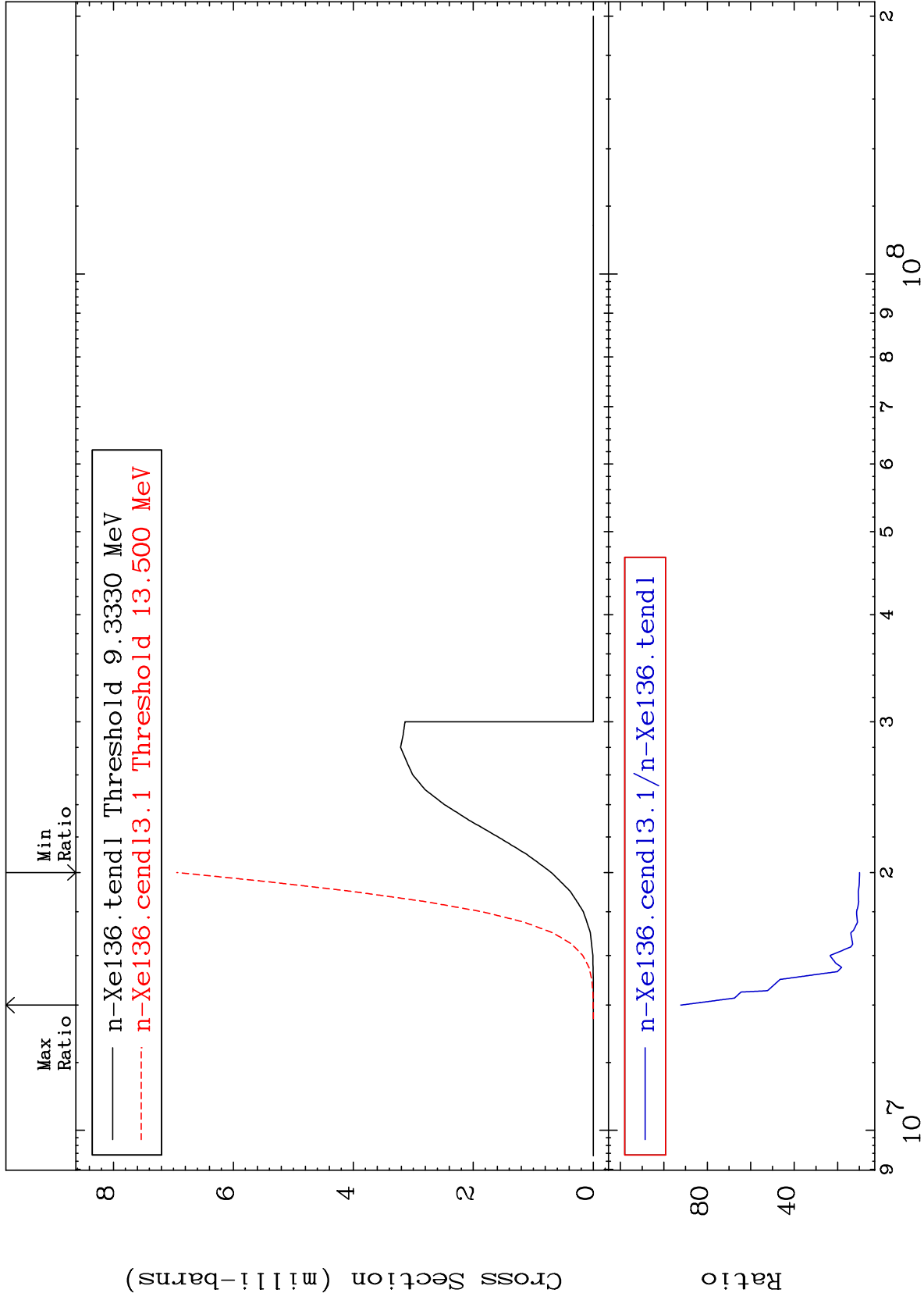
MAT 5461

(n, t)

54-Xe-136

Cross Section

892.8 To 9122. %



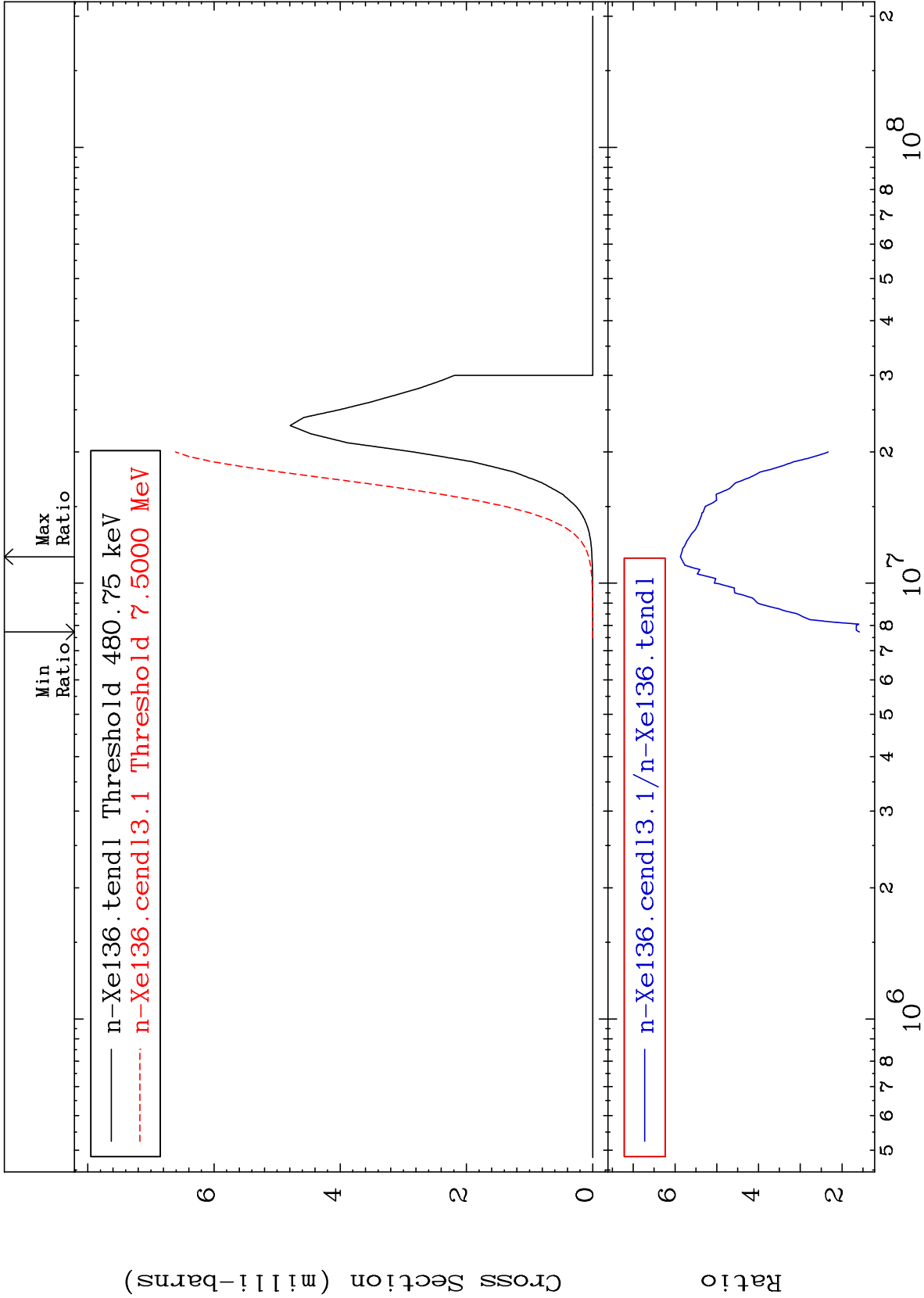
Incident Energy (eV)

54-Xe-136

MAT 5461

54-Xe-136
58.37 To 487.2 %

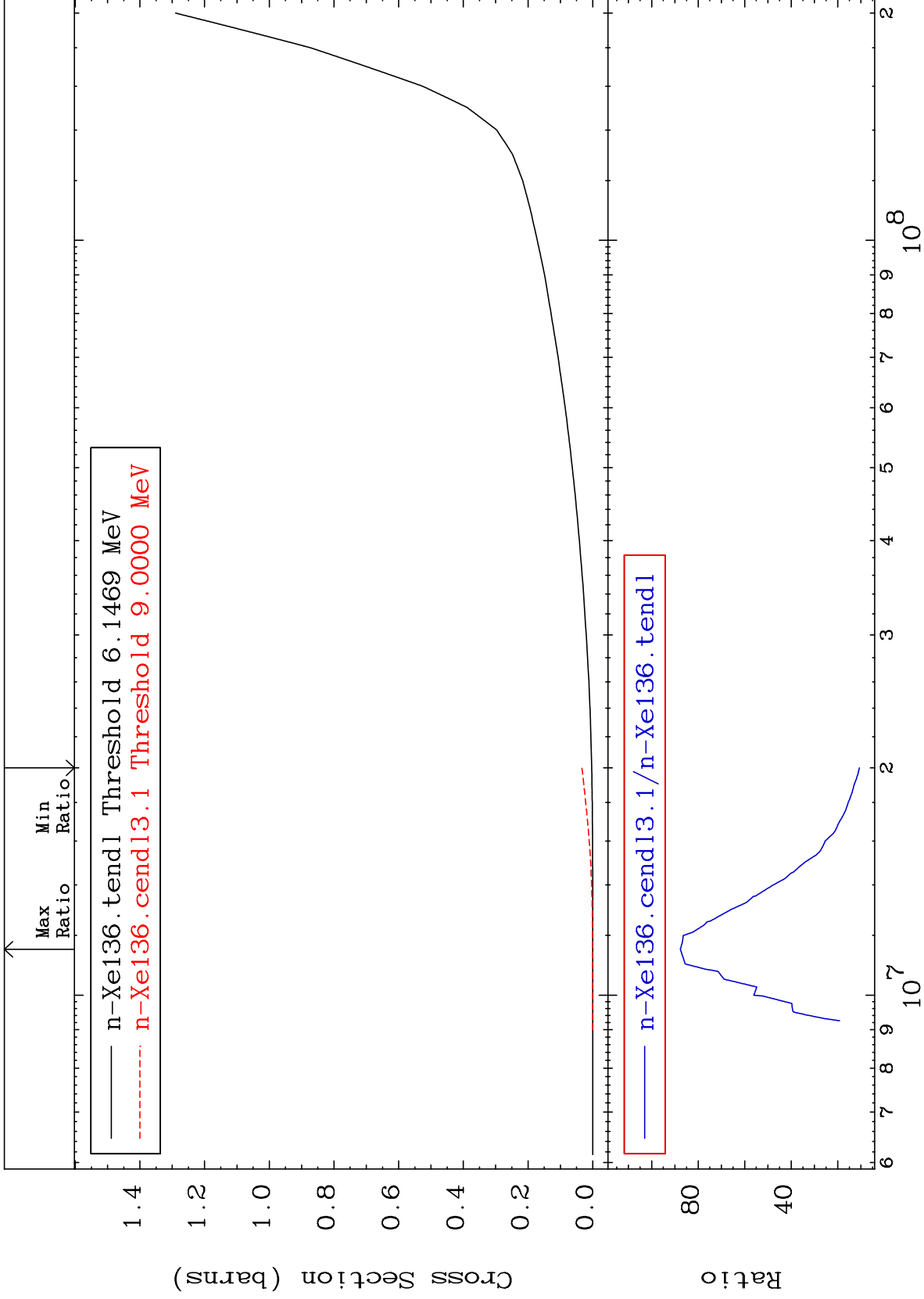
(n, α)
Cross Section



MAT 5461

Hydrogen Production
Cross Section

54-Xe-136
966.5 To 8666. %



30

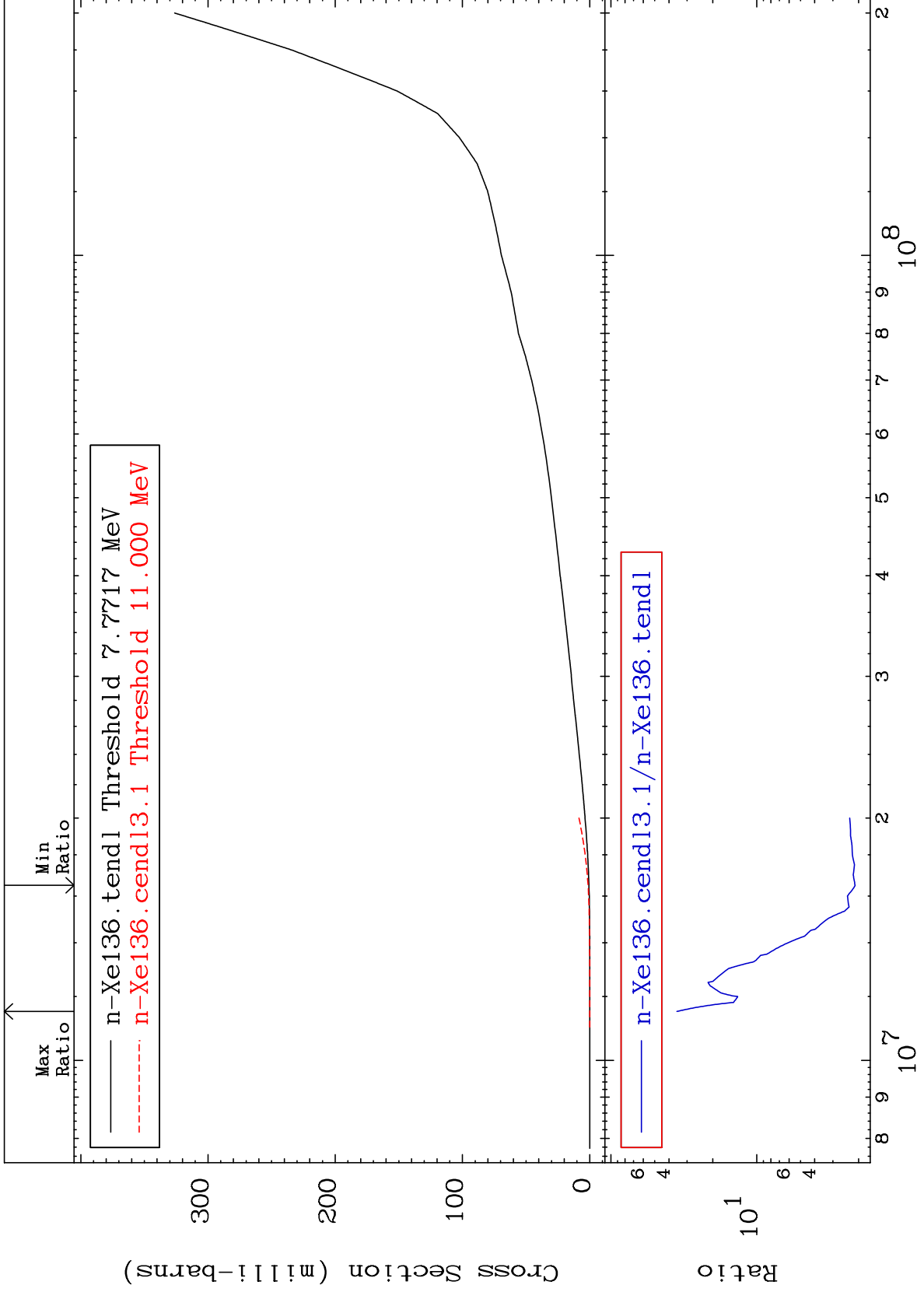
Incident Energy (eV)

54-Xe-136

MAT 5461

Deuterium Production
Cross Section

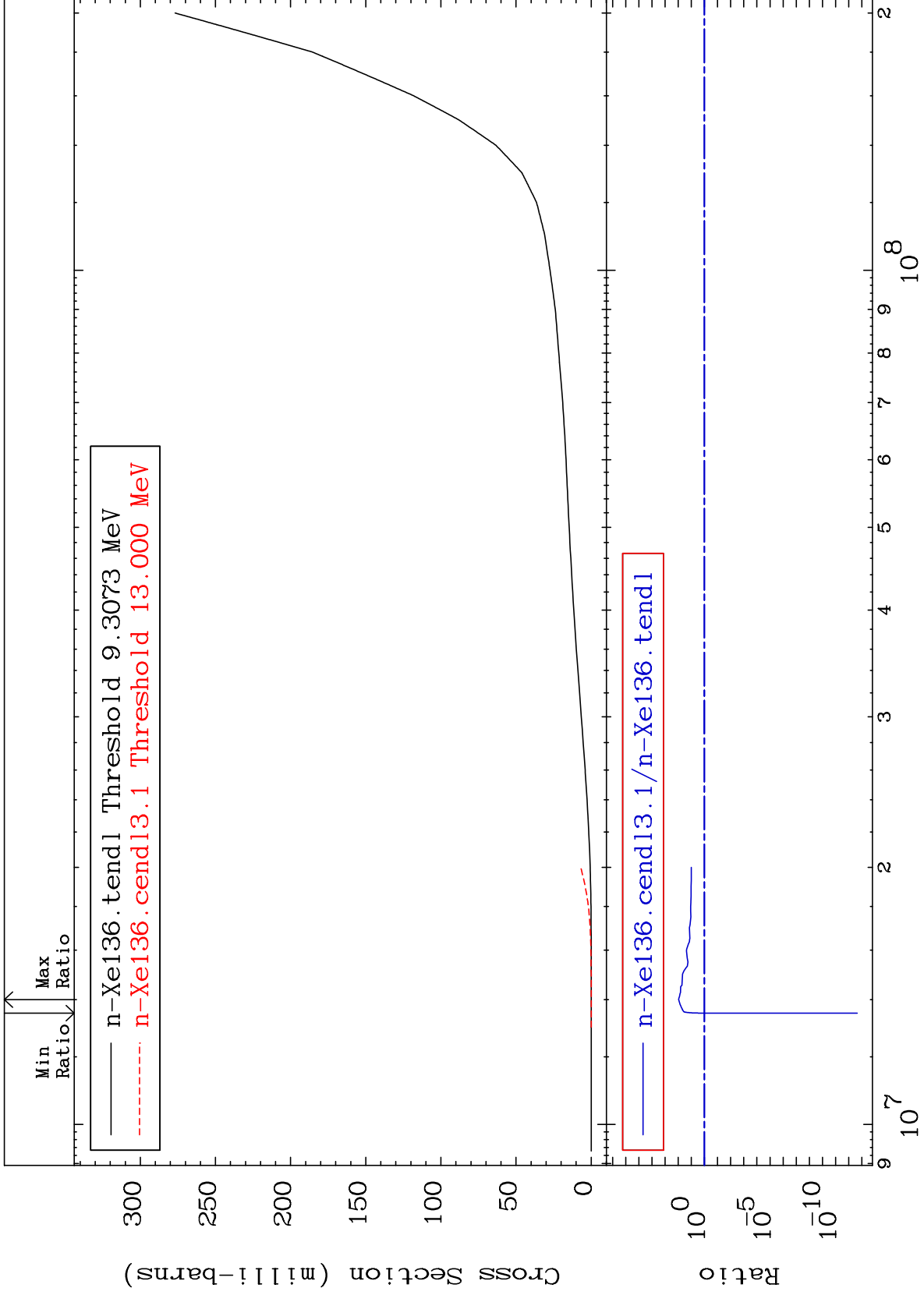
54-Xe-136
111.5 To 3424. %



MAT 5461

Tritium Production
Cross Section

54-Xe-136
-100.0 To 9122. %



32

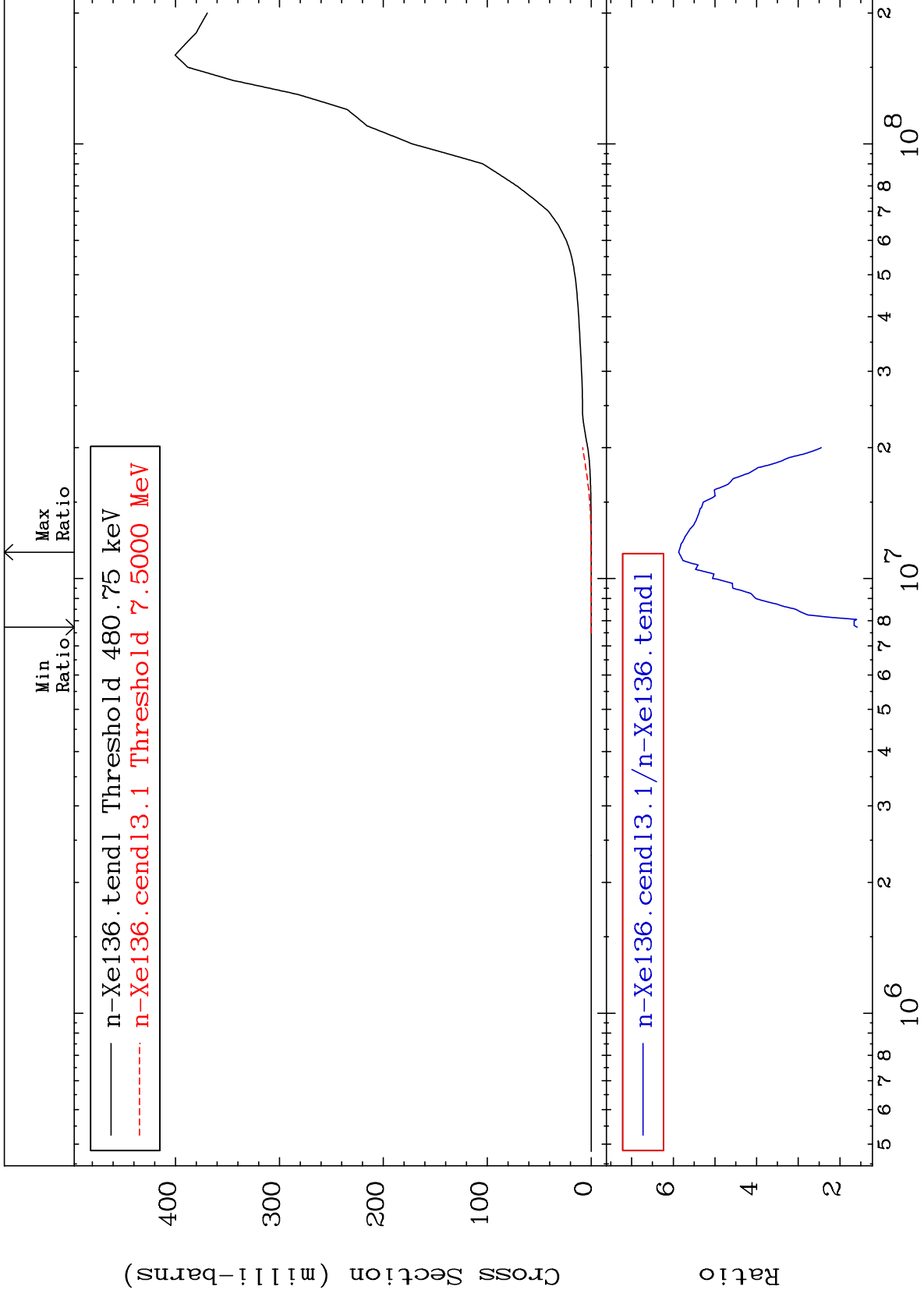
Incident Energy (eV)

54-Xe-136

MAT 5461

He-4 Production
Cross Section

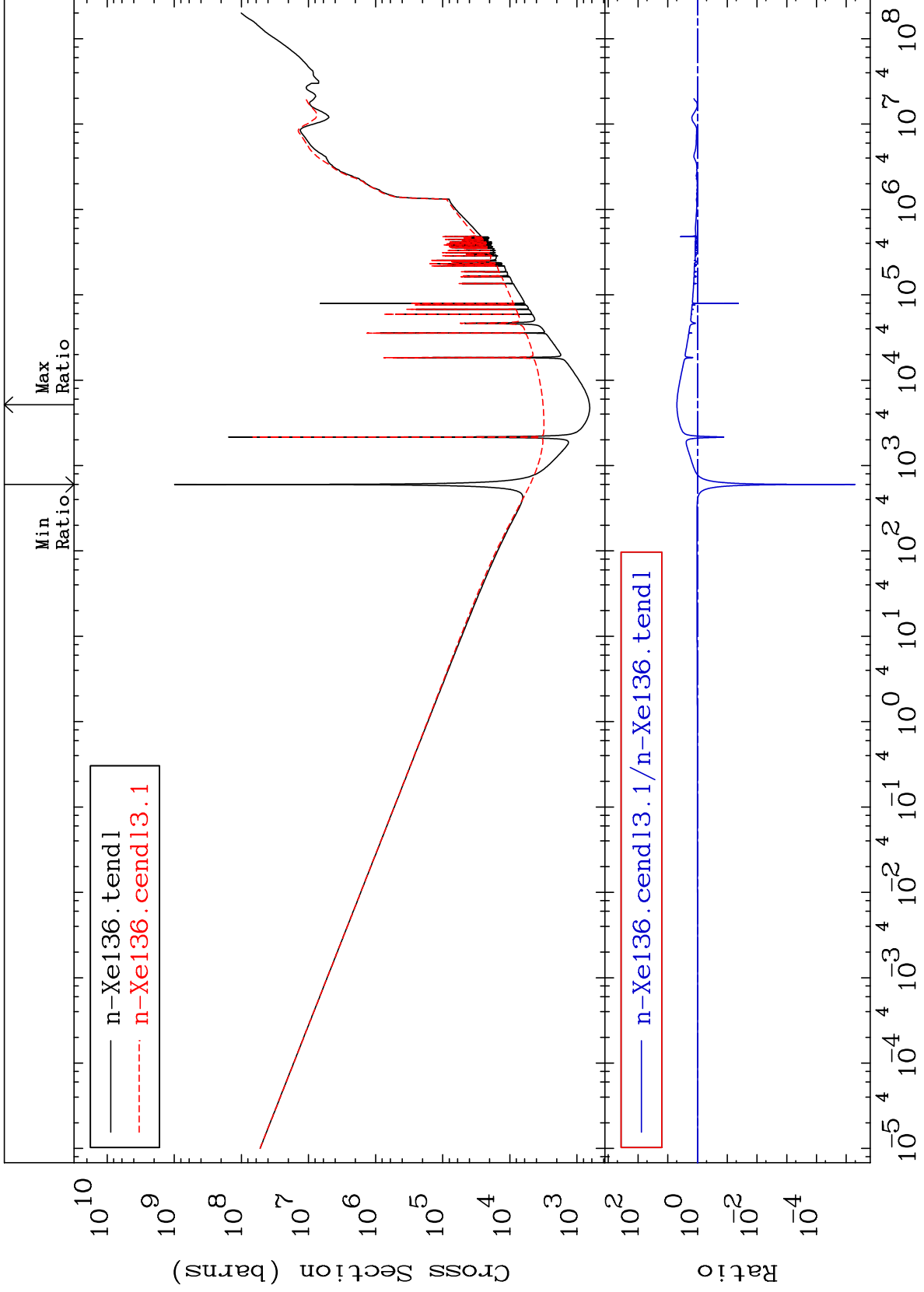
54-Xe-136
58.37 To 487.2 %



MAT 5461

Kerma total (eV-barns)
Cross Section

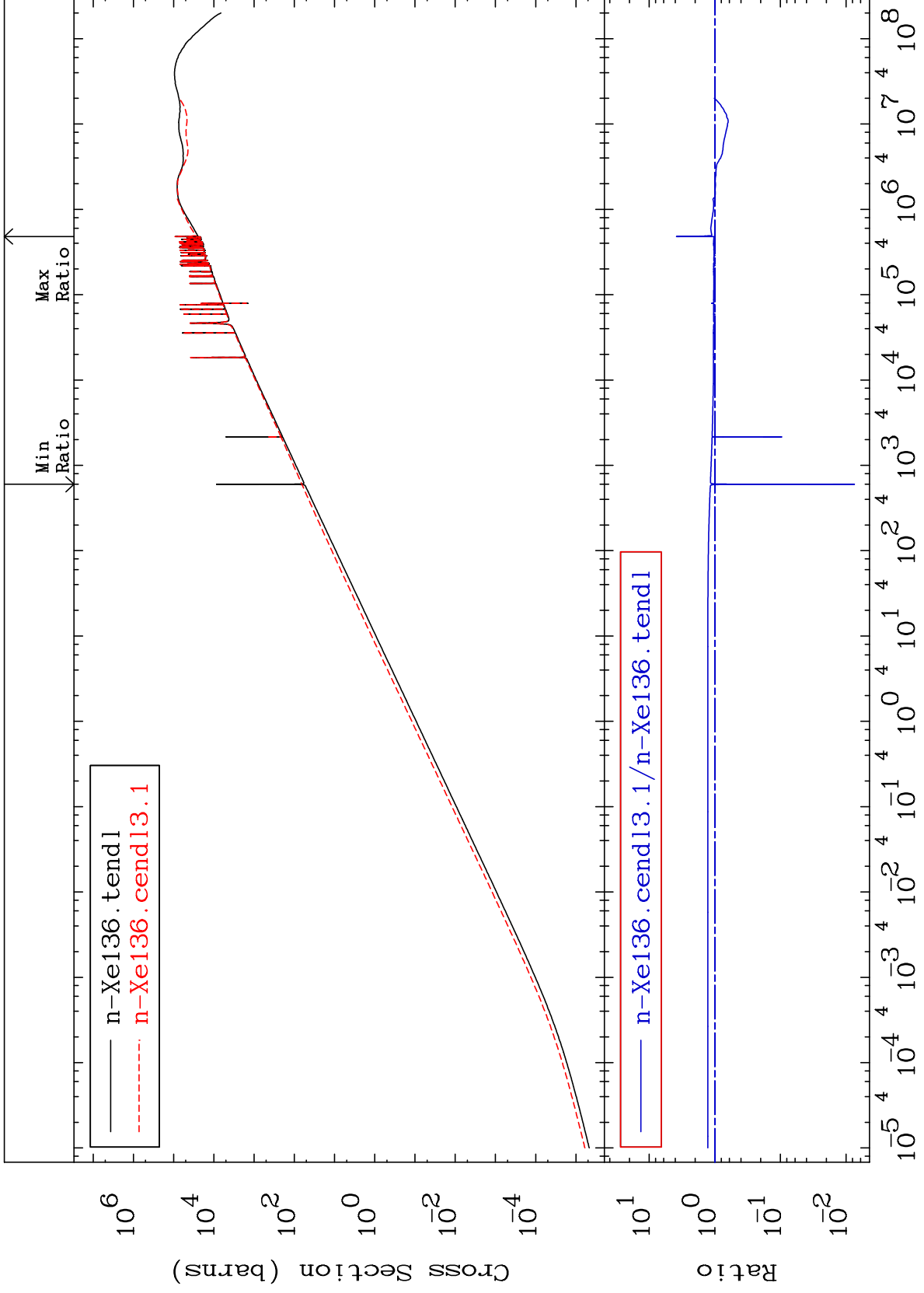
54-Xe-136
-100.0 To 392.7 %

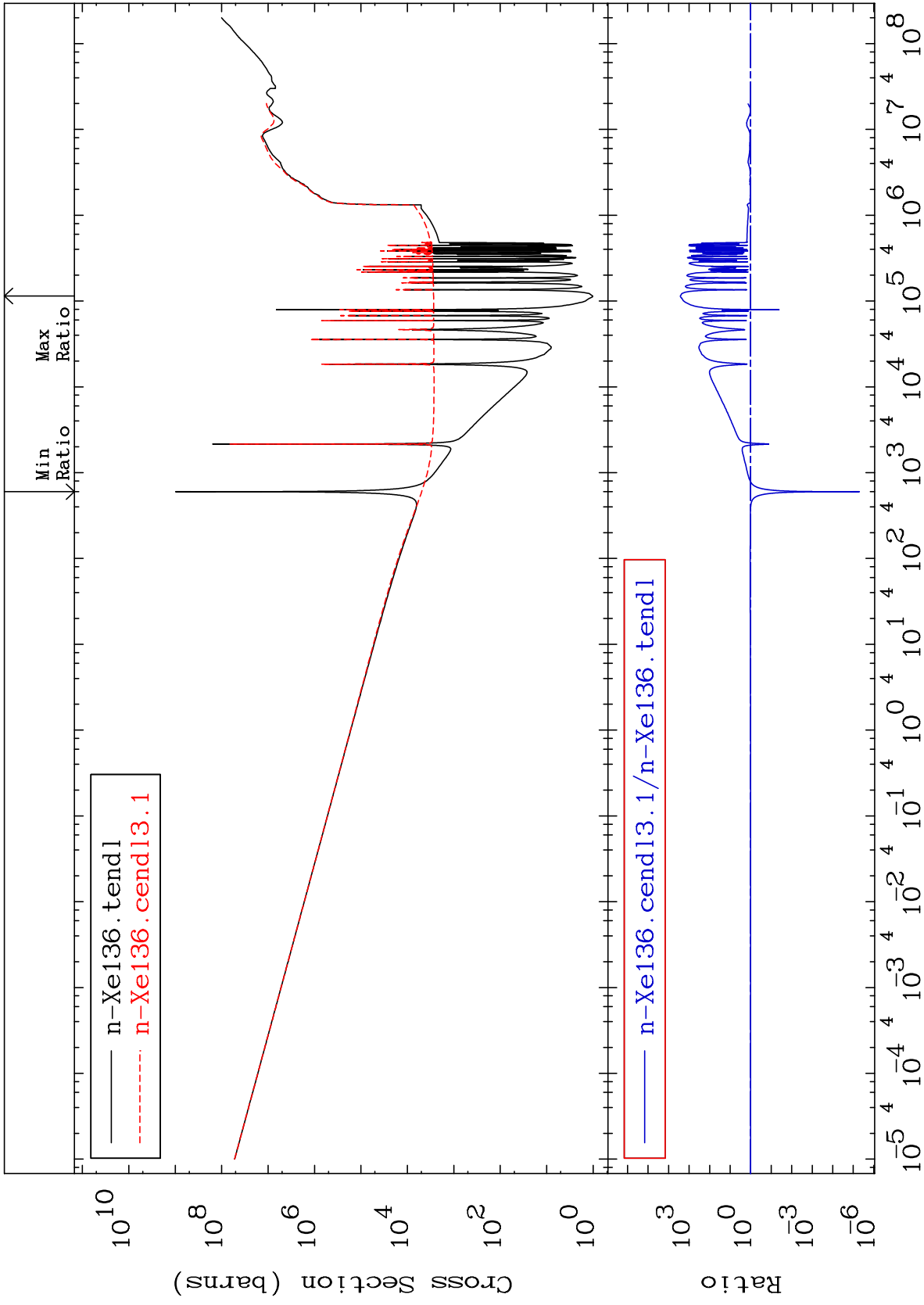


MAT 5461

Kerma elastic
Cross Section

54-Xe-136
-99.25 To 285.8 %

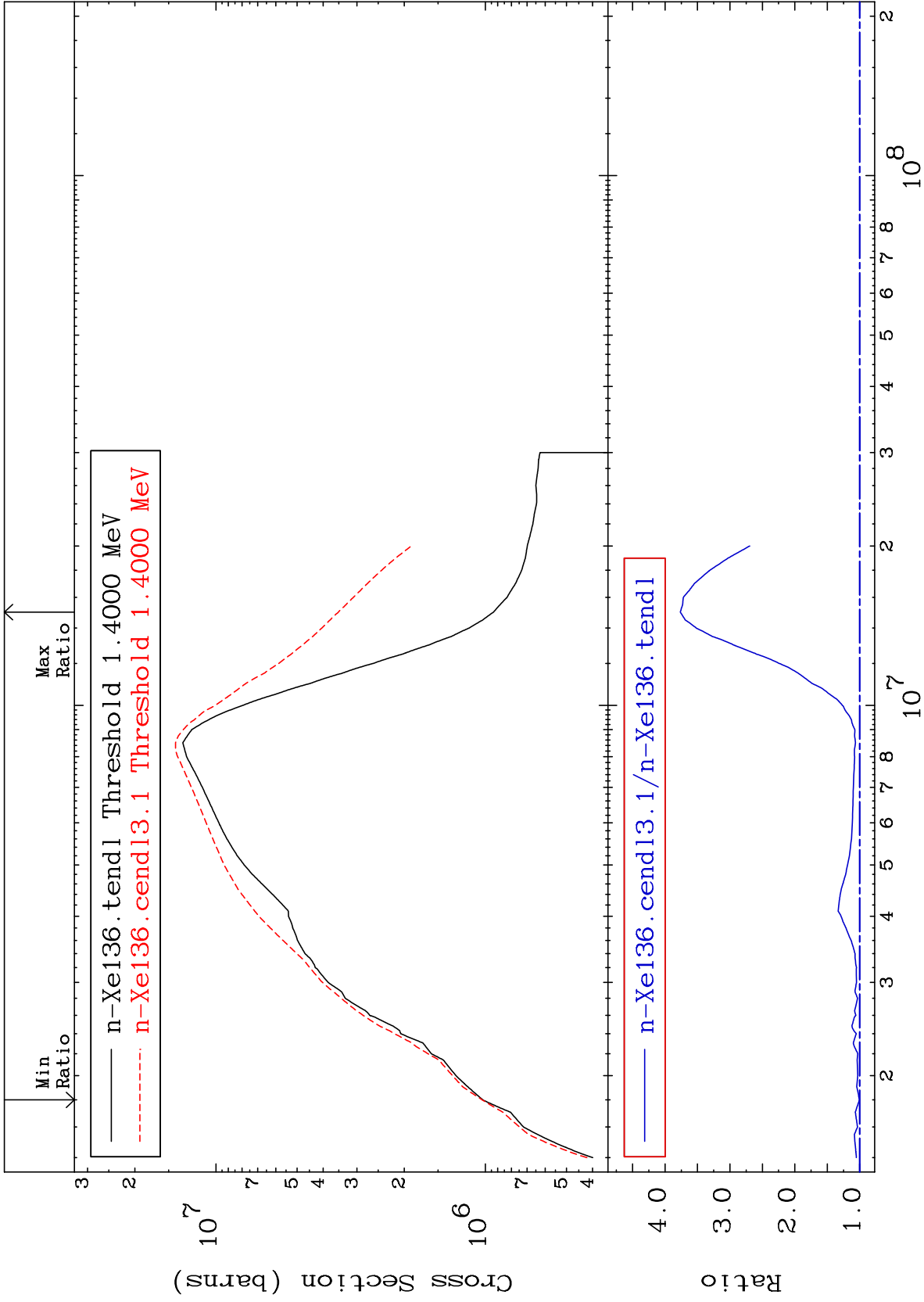




MAT 5461

Kerma inelastic (mt51-91)
Cross Section

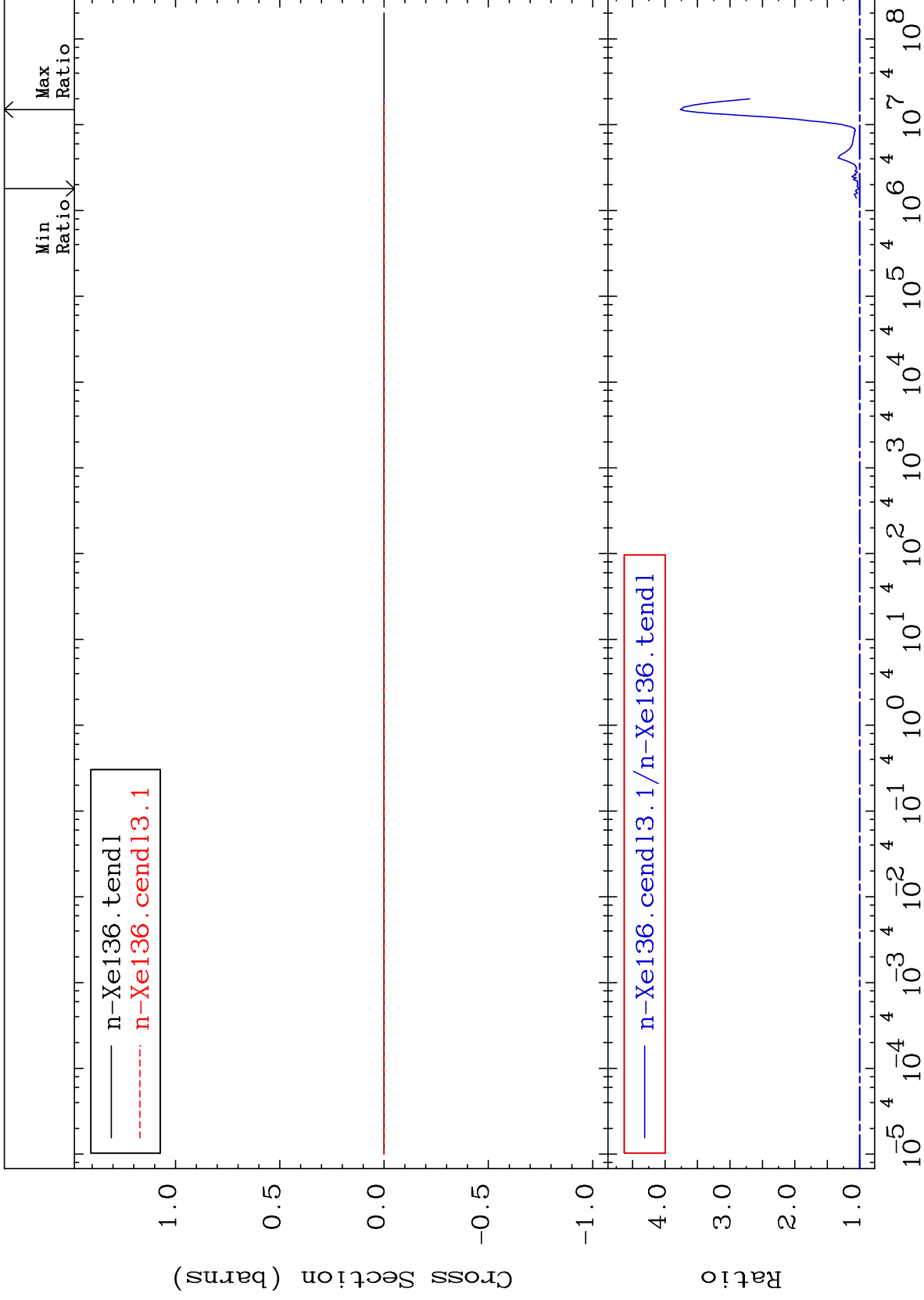
54-Xe-136
0.428 To 276.4 %



MAT 5461

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

54-Xe-136
0.428 To 276.4 %



38

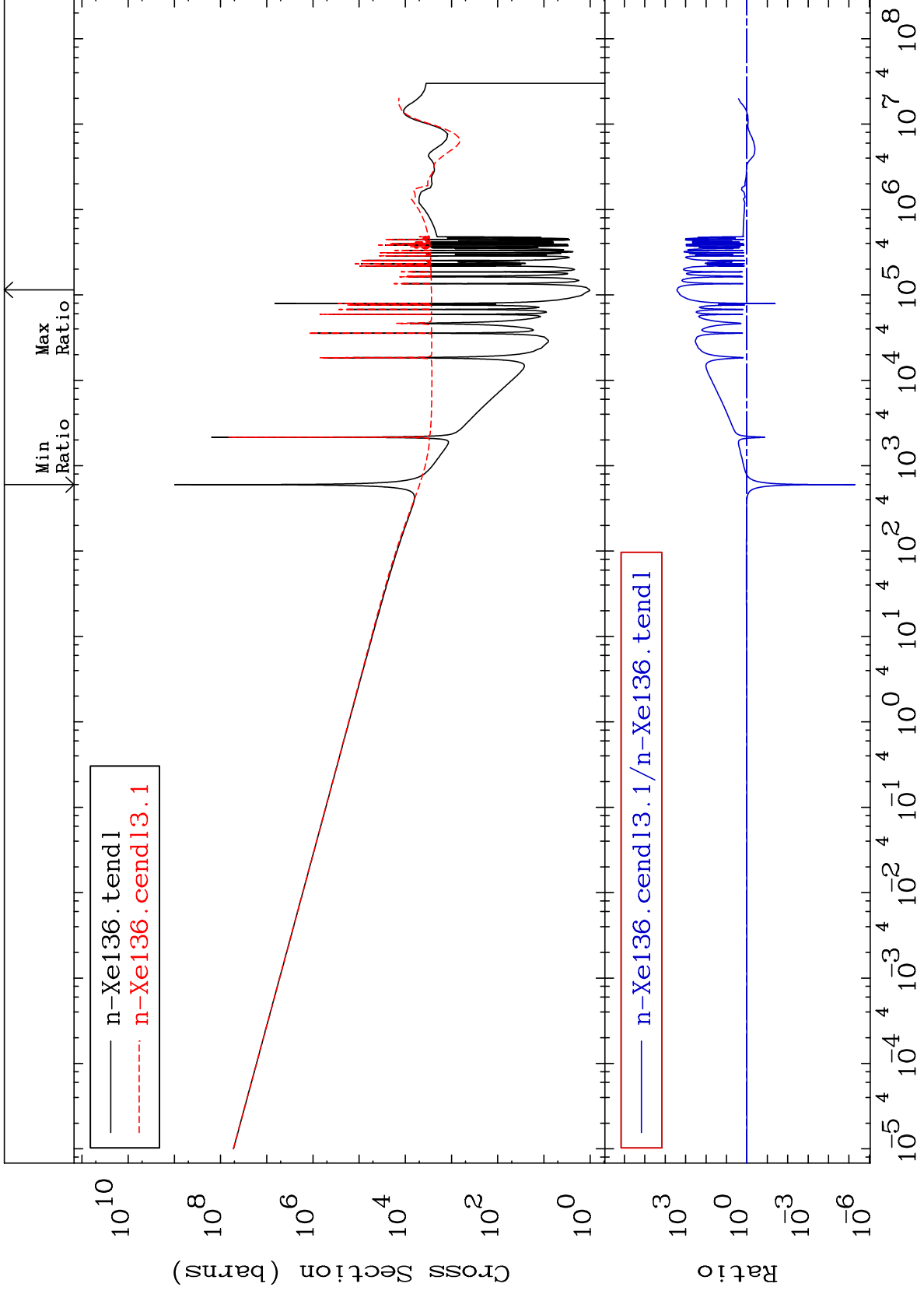
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma capture (mt102)
Cross Section

54-Xe-136
-100.0 To 9999. %



39

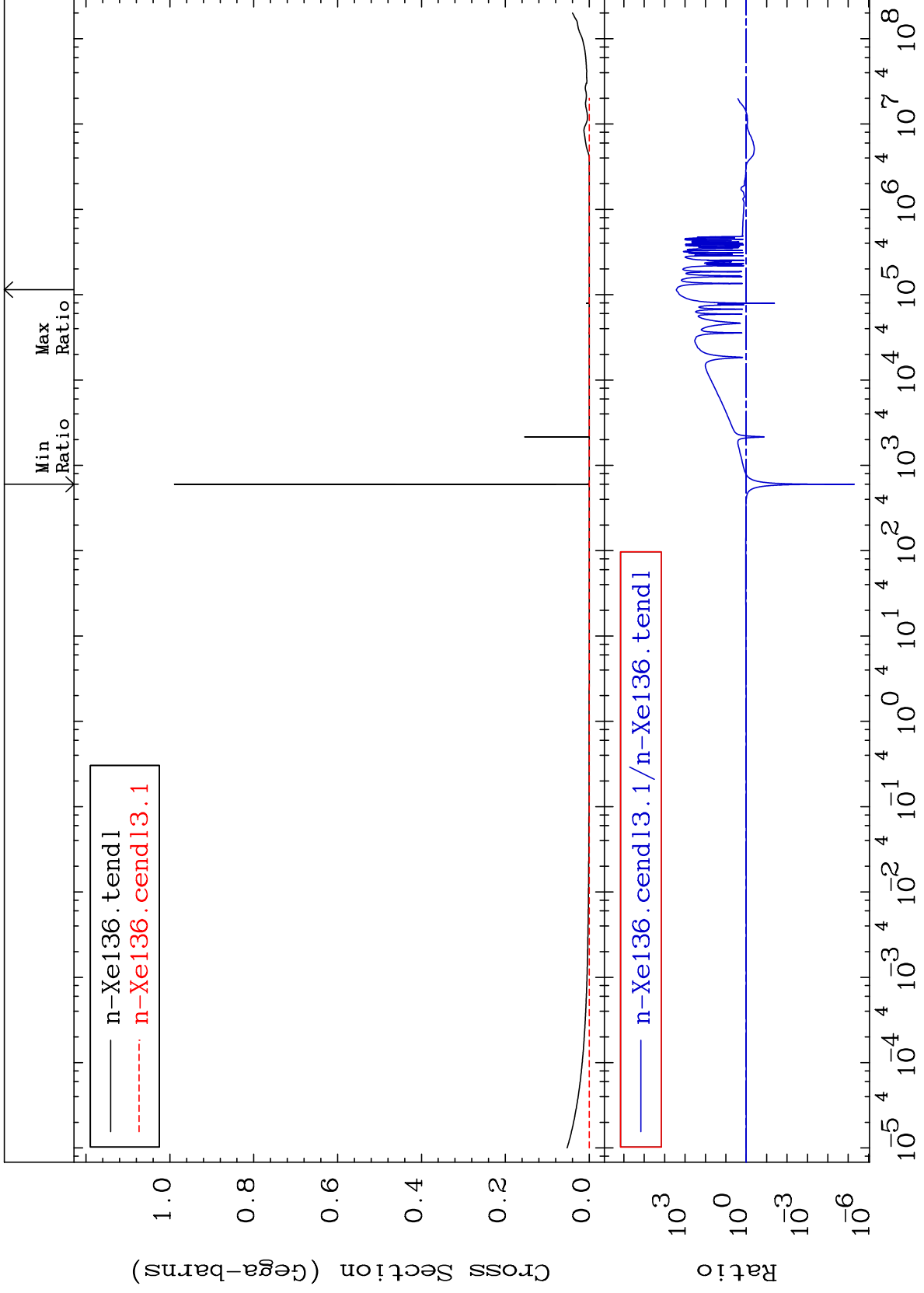
Incident Energy (eV)

54-Xe-136

MAT 5461

Total photon (eV-barns)
Cross Section

54-Xe-136
-100.0 To 9999. %



Incident Energy (eV)

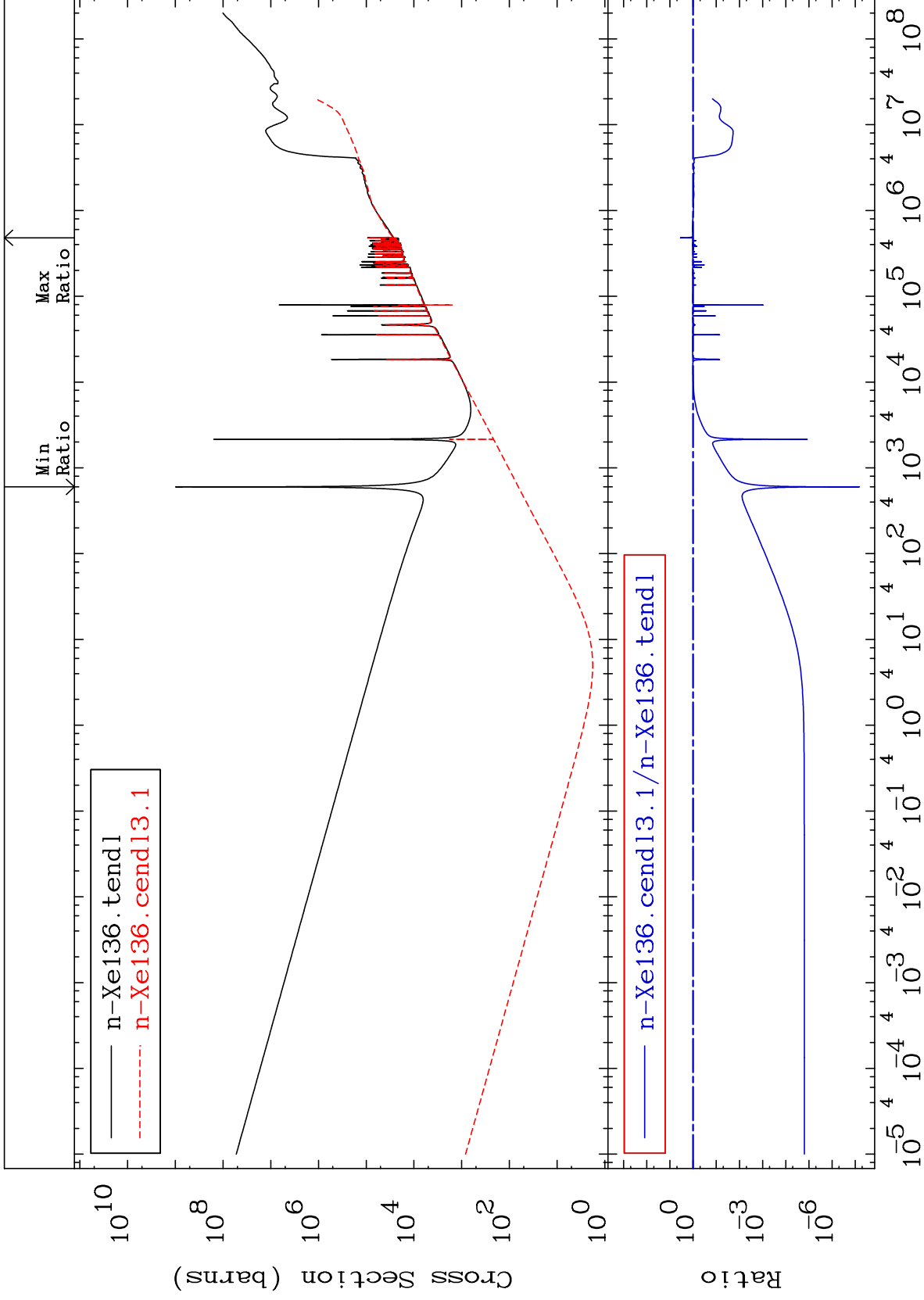
54-Xe-136

40

MAT 5461

Total kinematic kerma (high limit)
Cross Section

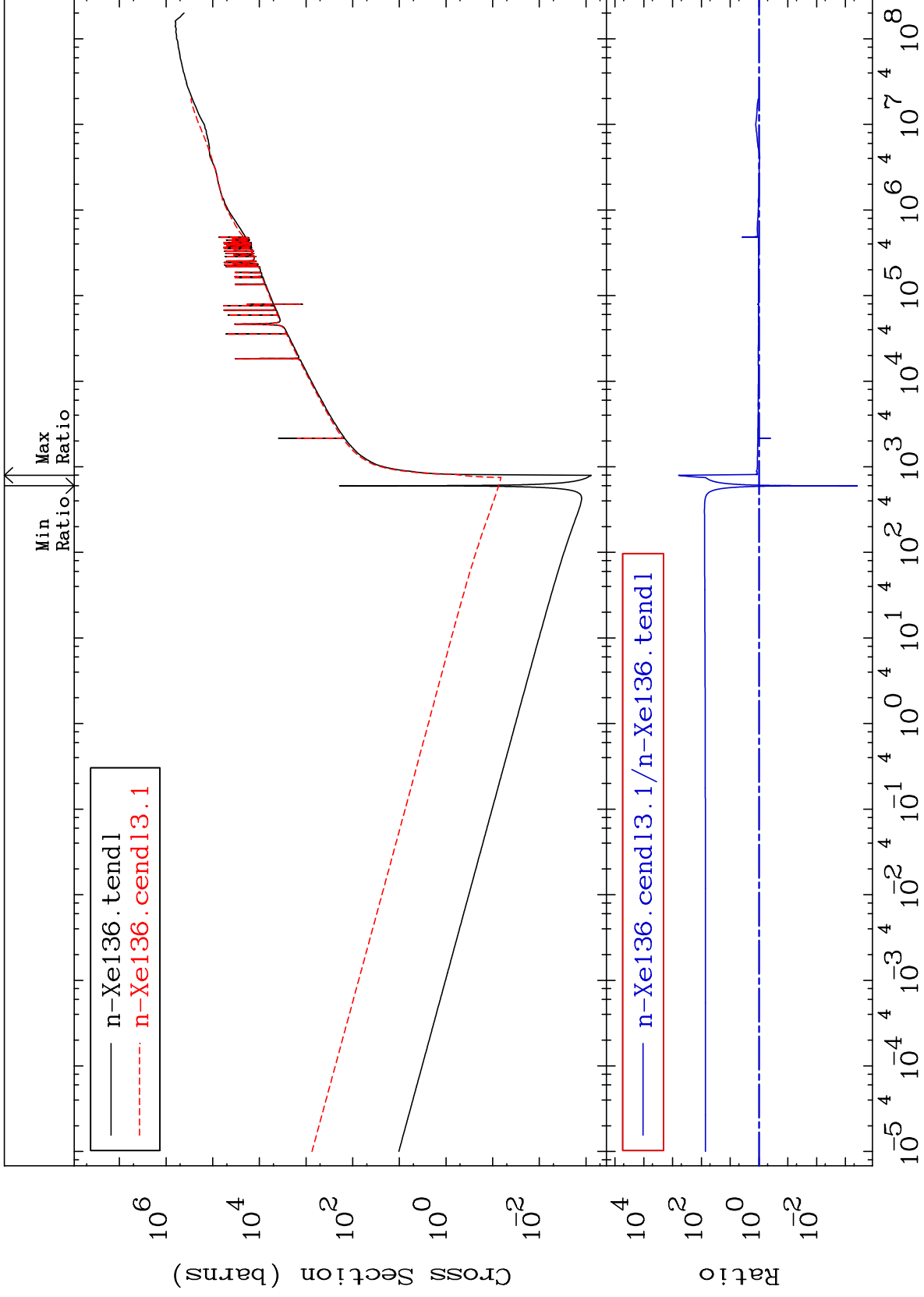
54-Xe-136
-100.0 To 255.9 %



MAT 5461

Dpa total (eV-barns)
Cross Section

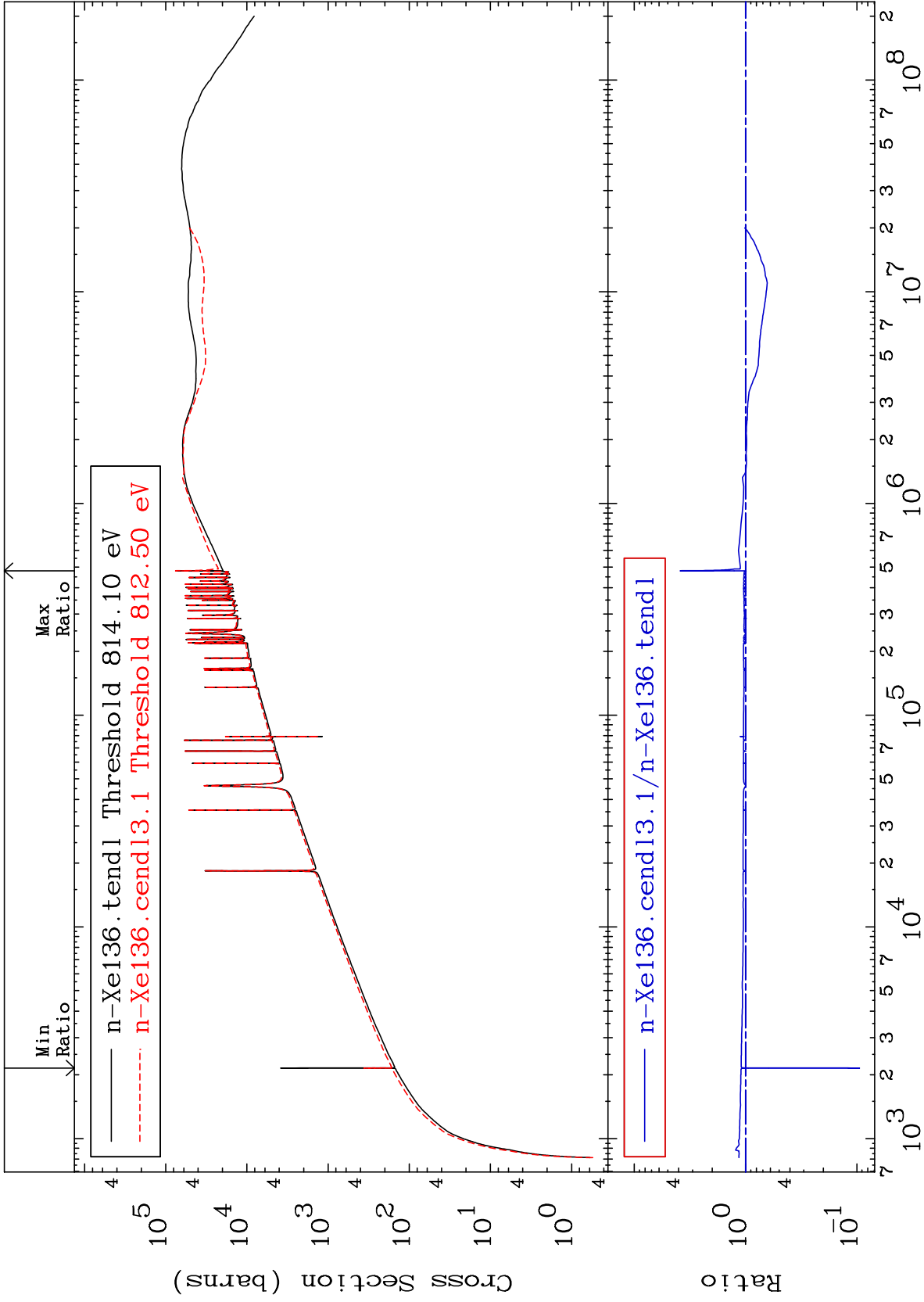
54-Xe-136
-99.96 To 9999. %



MAT 5461

Dpa elastic (mt2)
Cross Section

54-Xe-136
-90.51 To 285.8 %



43

Incident Energy (eV)

54-Xe-136

MAT 5461

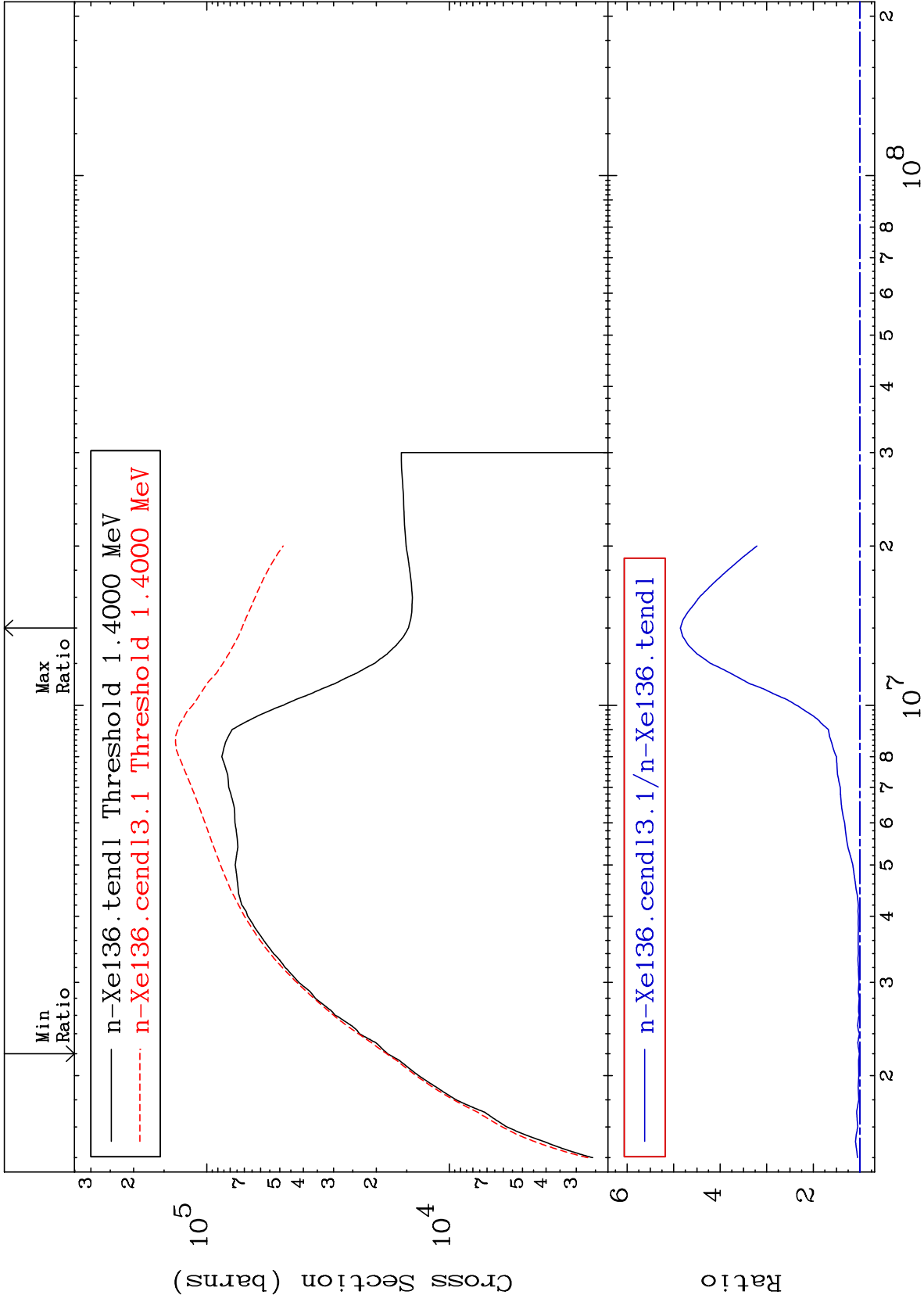
Dpa inelastic (mt51-91)

54-Xe-136

Cross Section

0.837

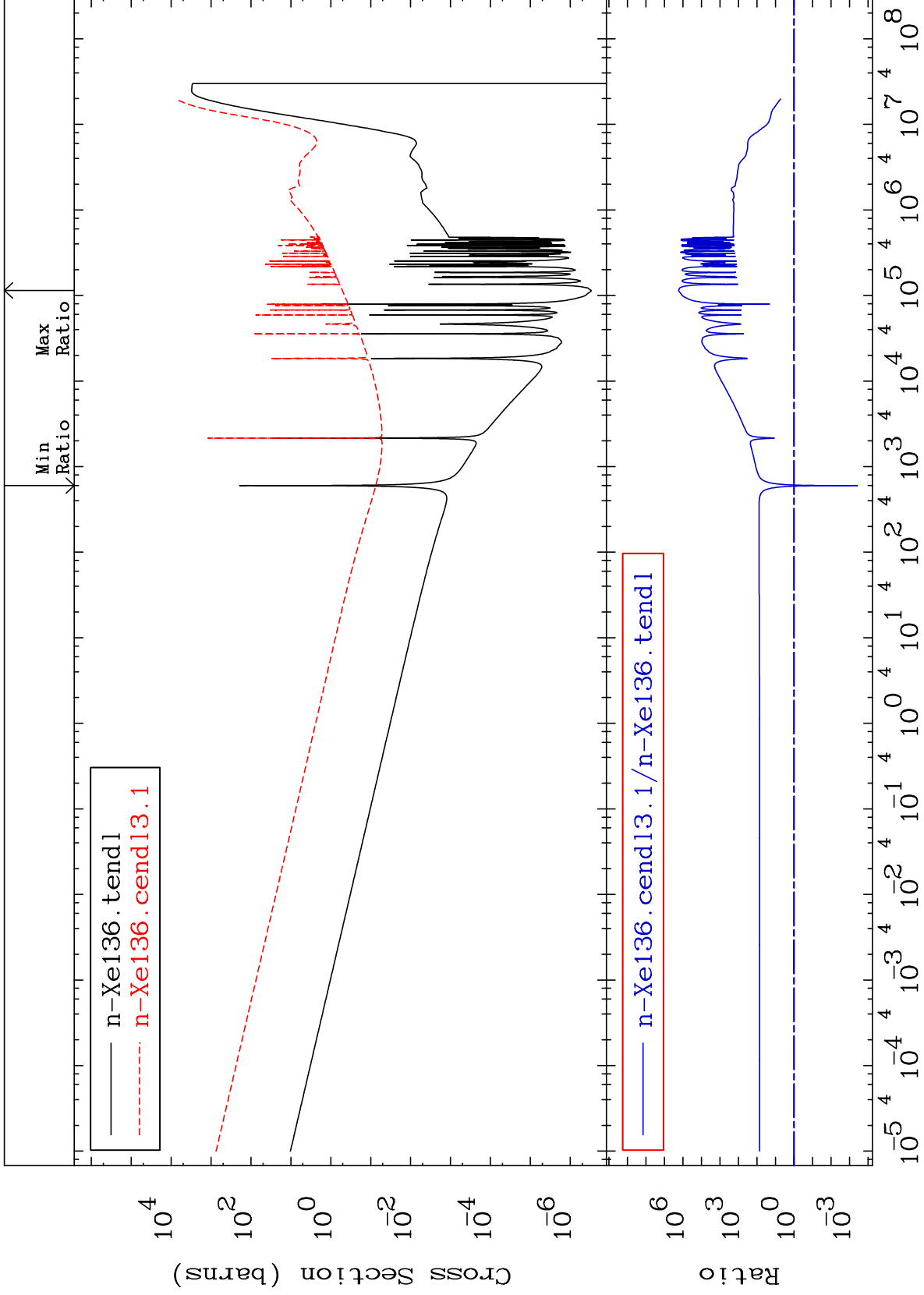
To 385.6 %



MAT 5461

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-136
-99.96 To 9999. %



45

Incident Energy (eV)

54-Xe-136