

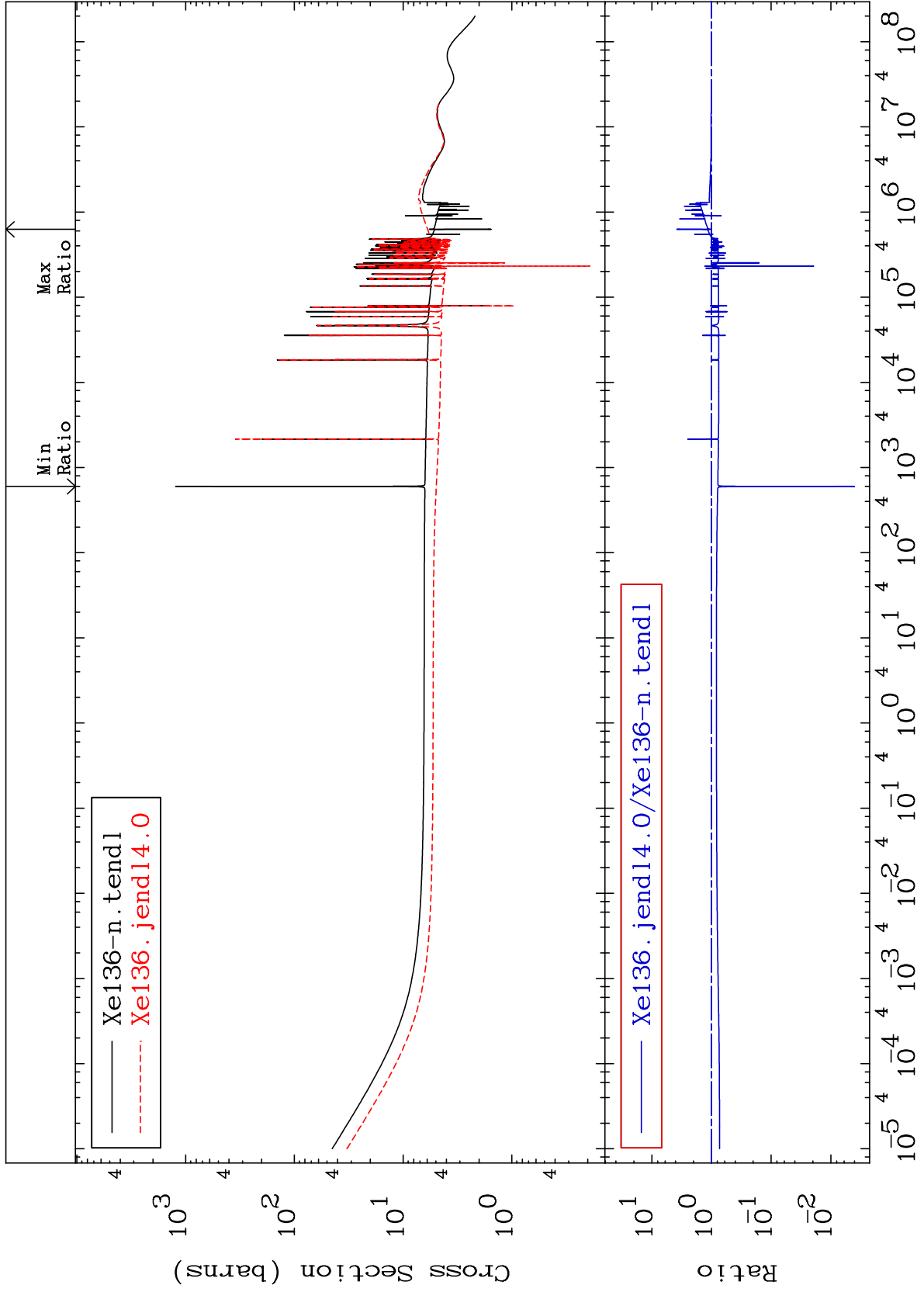
MAT 5461

Total

54-Xe-136

Cross Section

-99.60 To 281.7 %



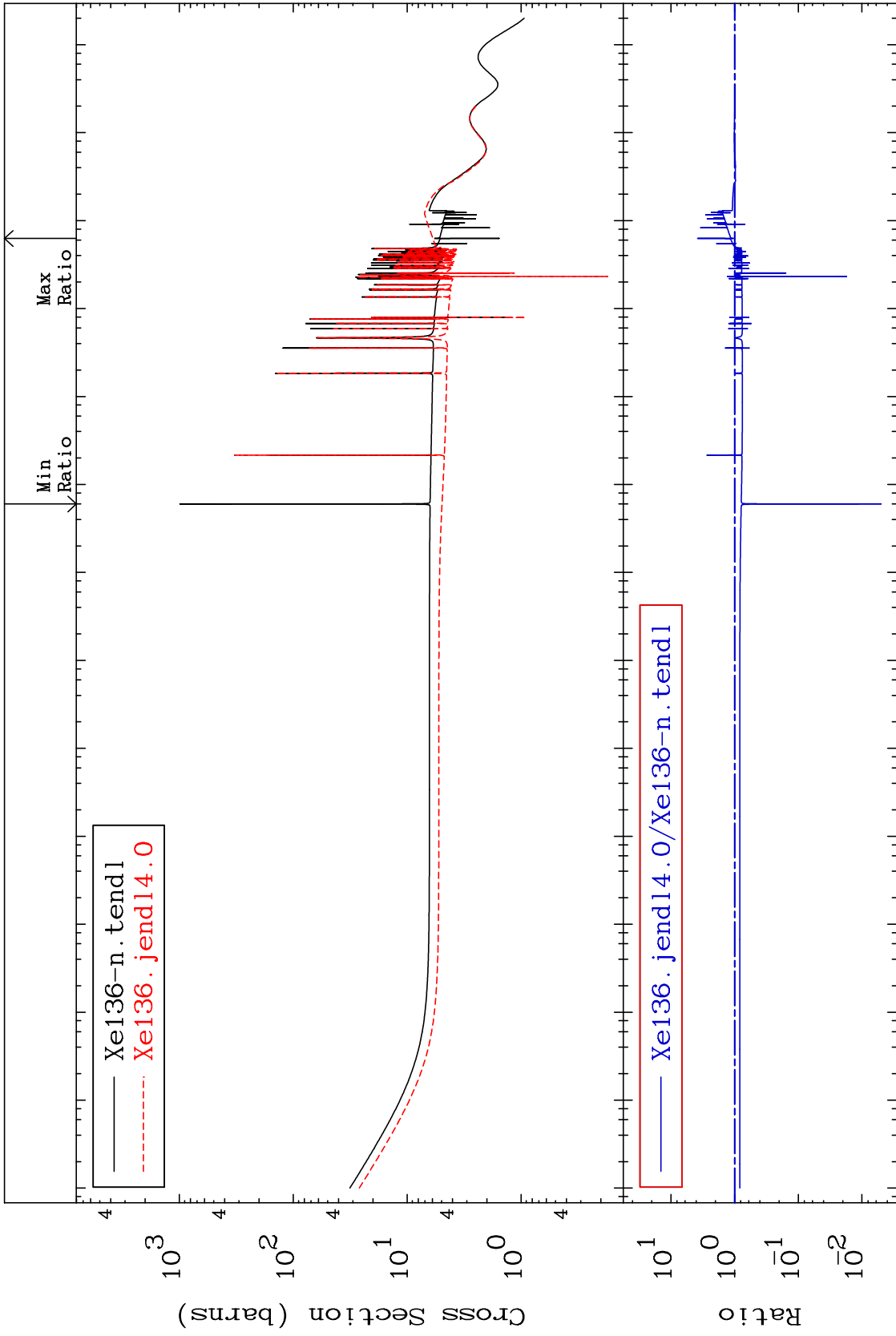
Incident Energy (eV)

54-Xe-136

MAT 5461

Elastic
Cross Section

54-Xe-136
-99.50 To 281.8 %



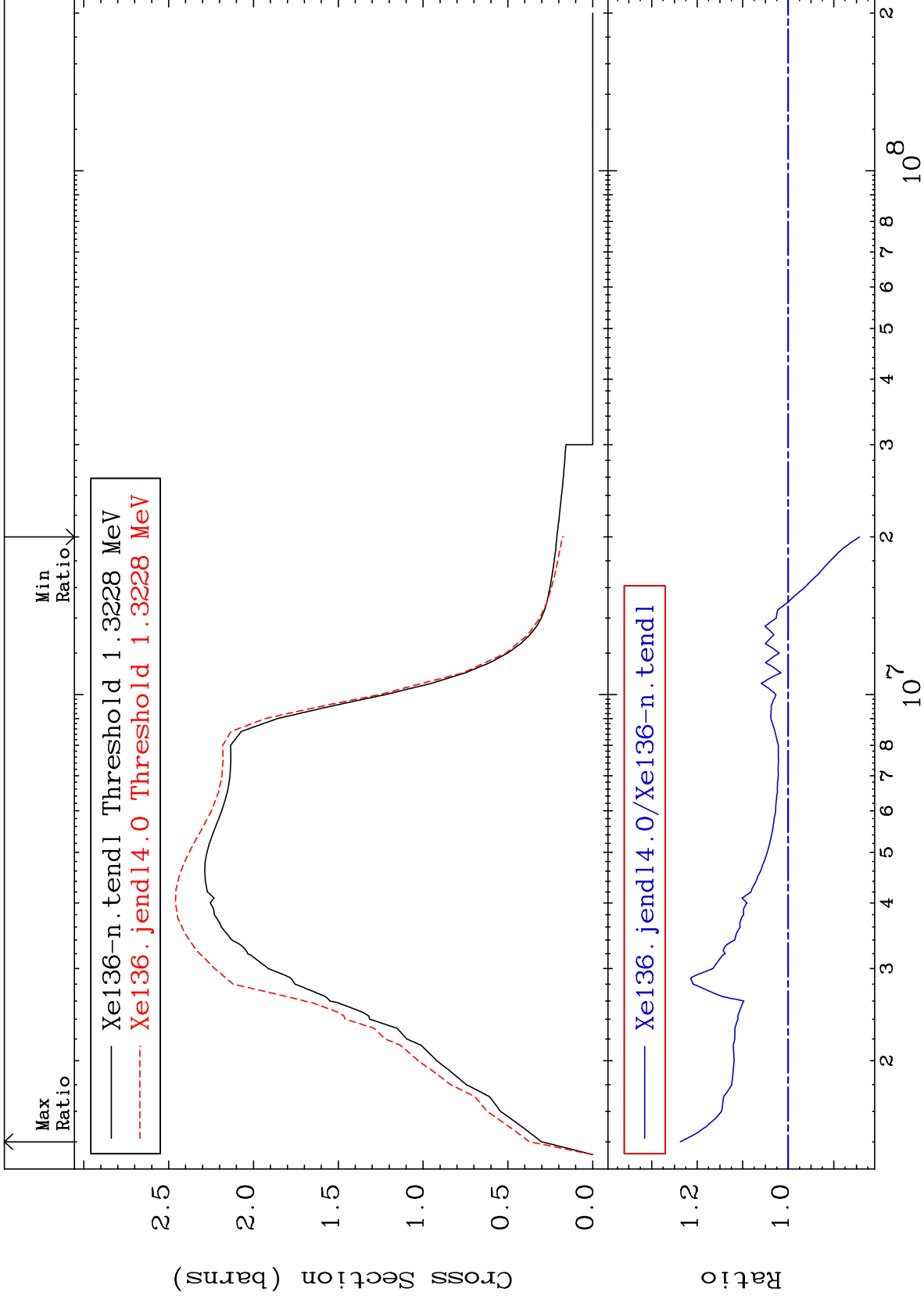
Incident Energy (eV)

54-Xe-136

MAT 5461

Inelastic
Cross Section

54-Xe-136
-15.65 To 23.70 %



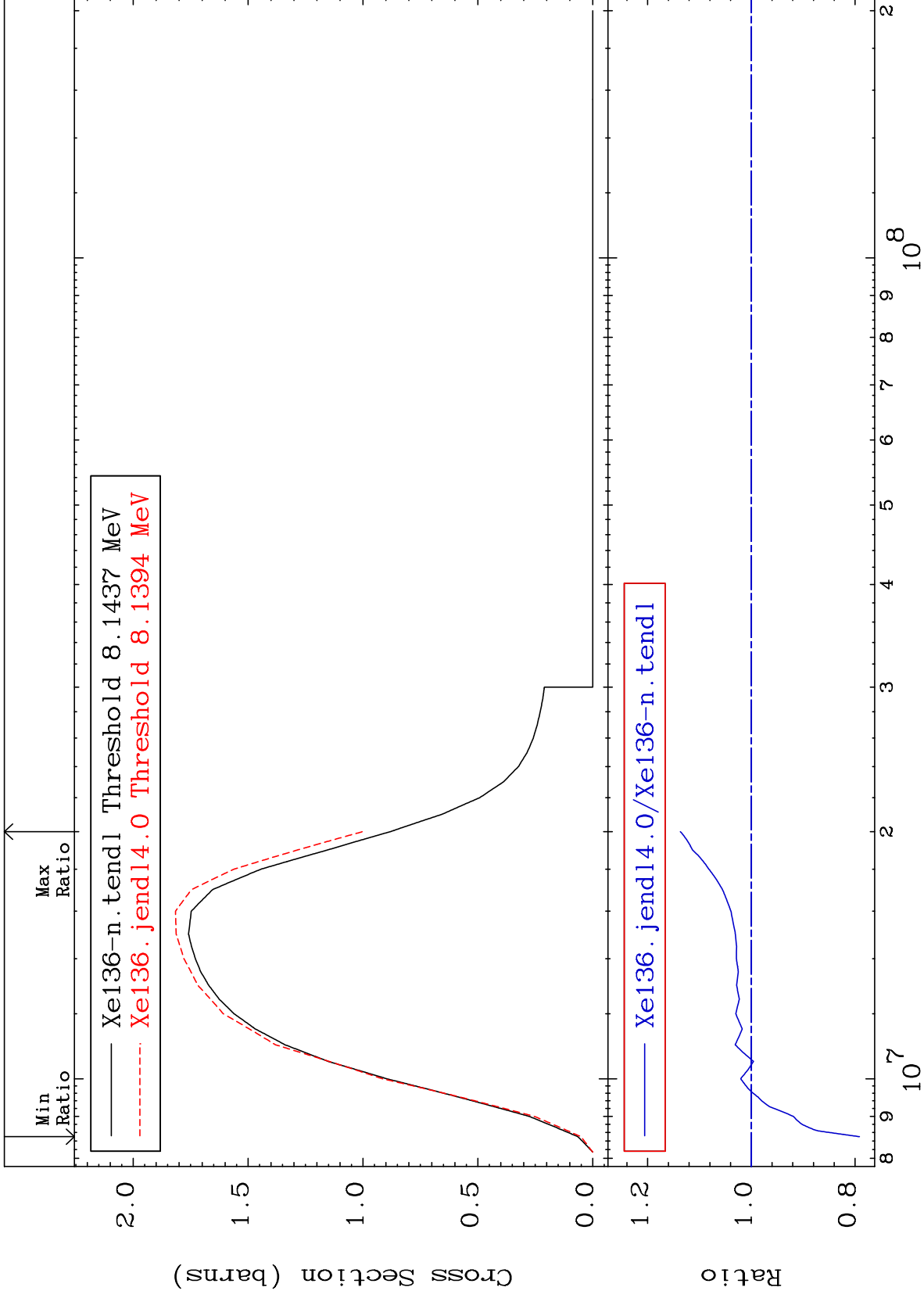
MAT 5461

(n,2n)

54-Xe-136

Cross Section

-20.87 To 13.69 %



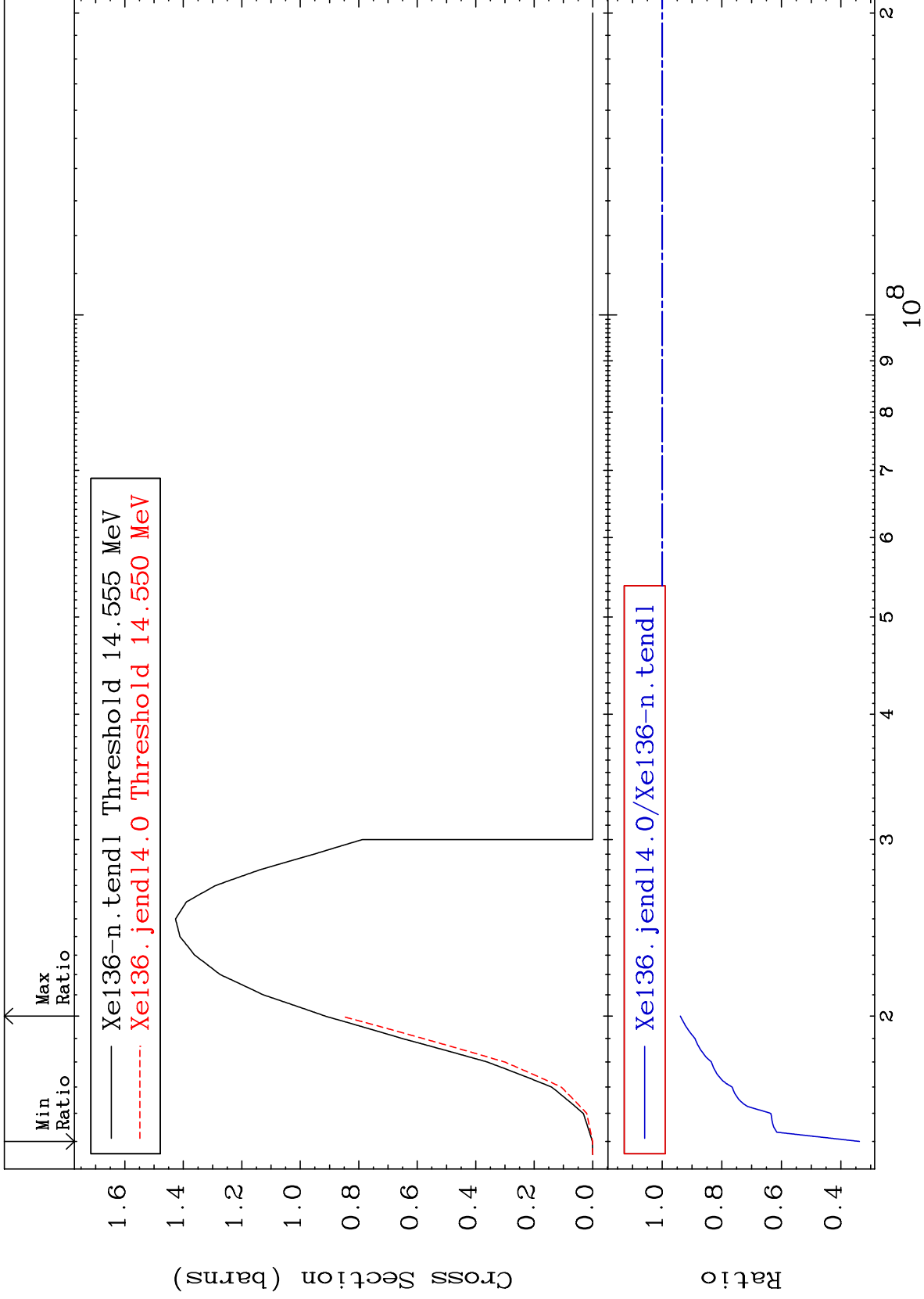
54-Xe-136

54-Xe-136

MAT 5461

(n,3n)
Cross Section

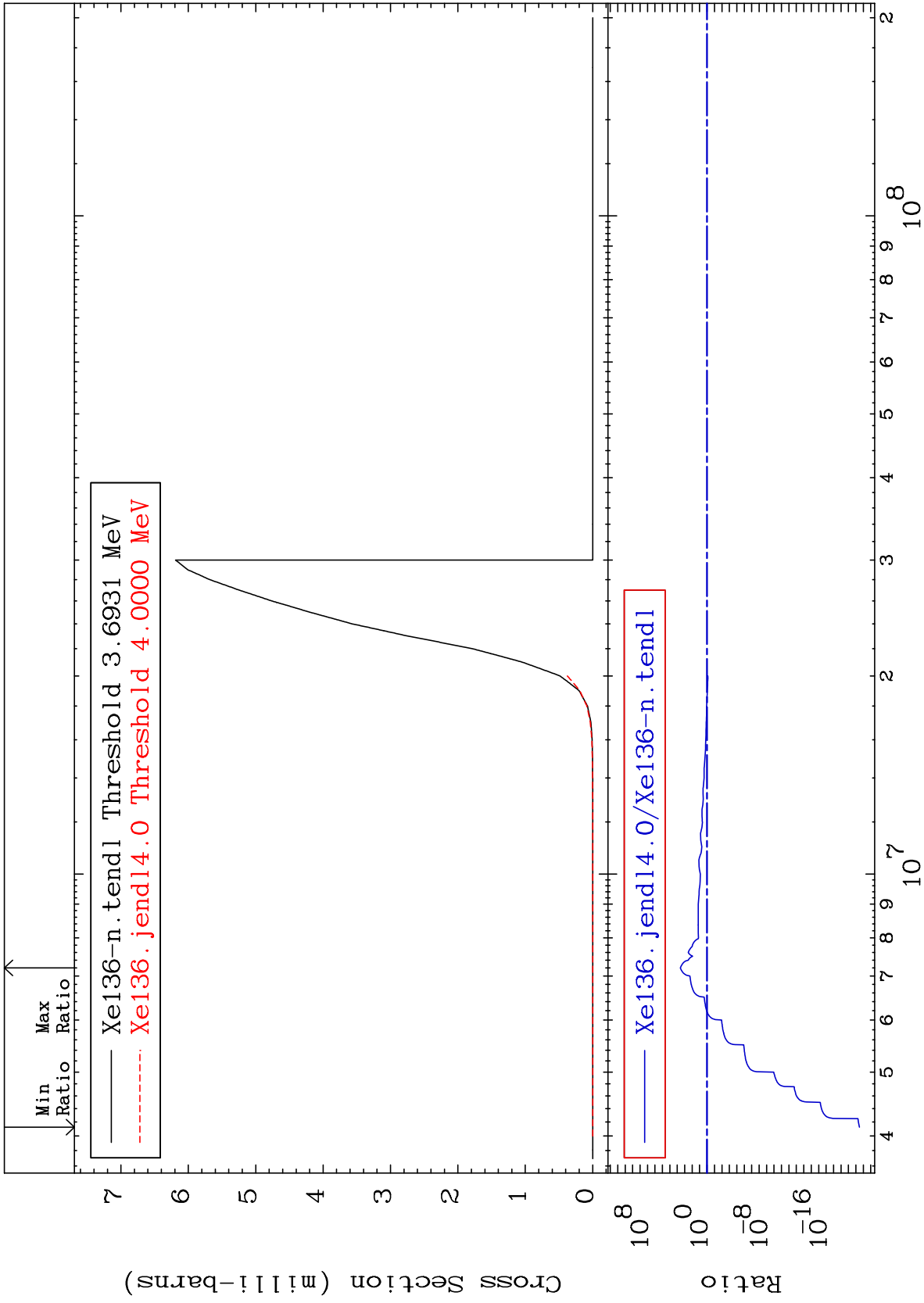
54-Xe-136
-66.21 To -6.079%



MAT 5461

(n,n') α
Cross Section

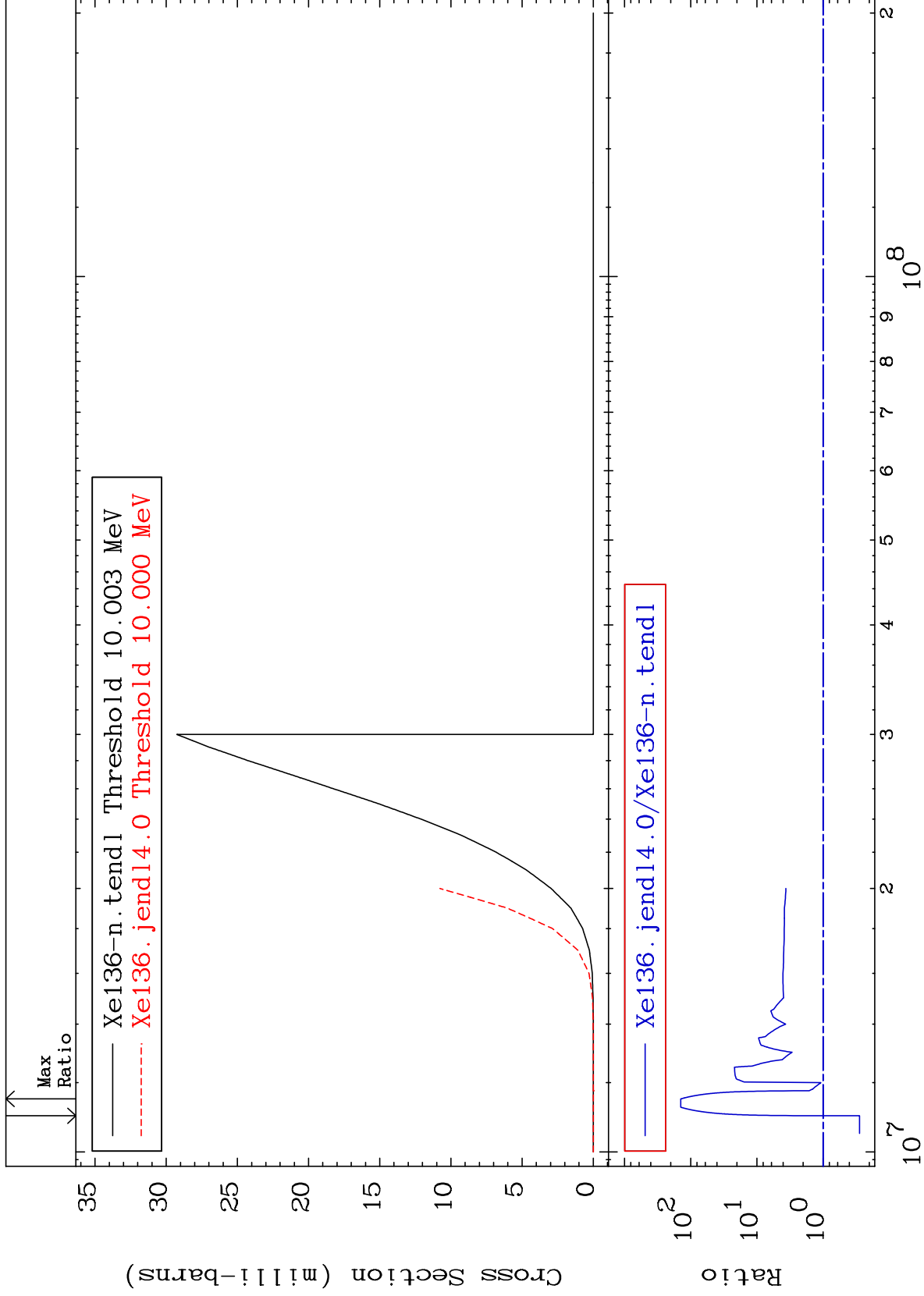
54-Xe-136
-100.0 To 9999. %



MAT 5461

(n,n') p
Cross Section

54-Xe-136
-71.93 To 9999. %

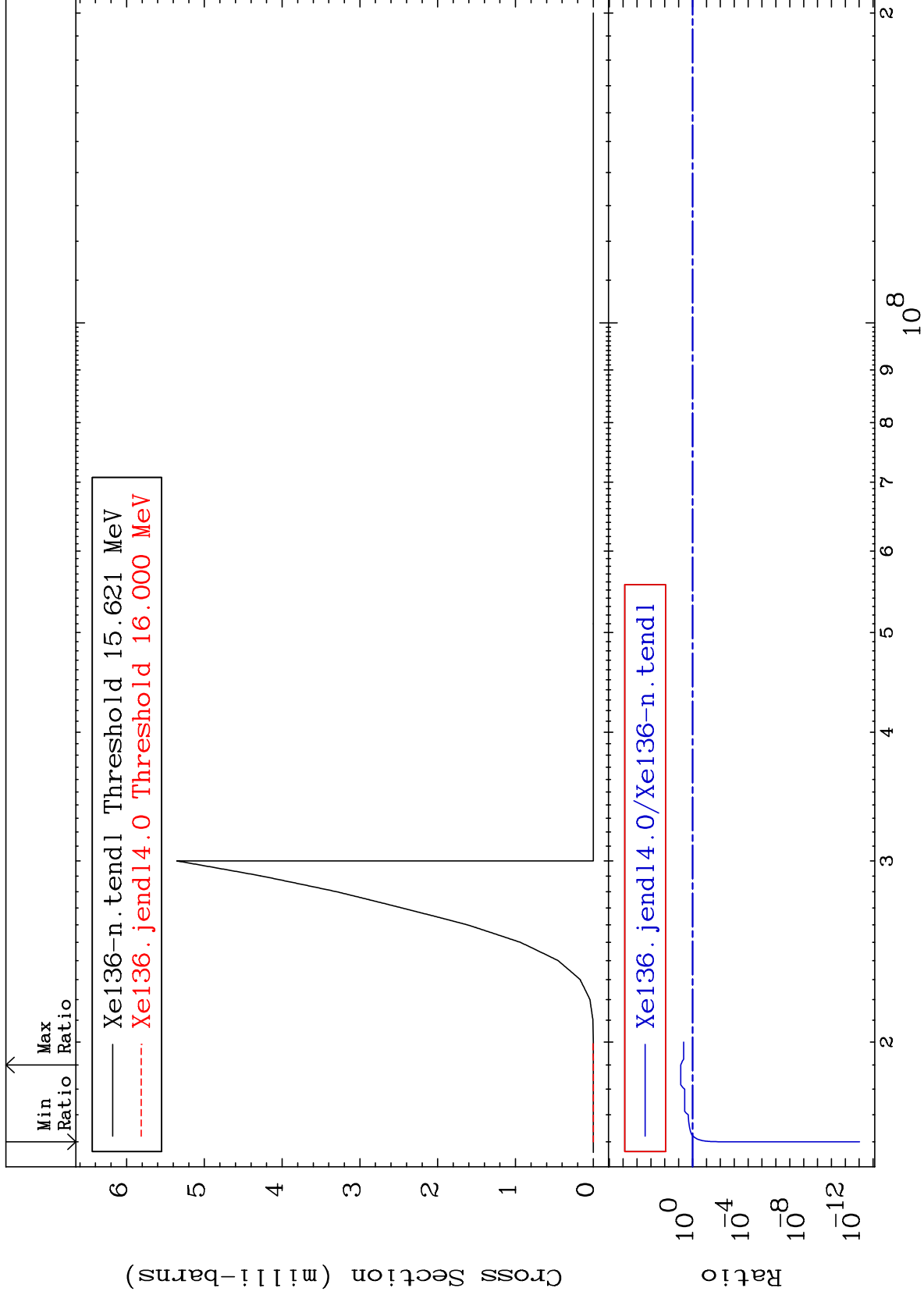


54-Xe-136

7

Cross Section

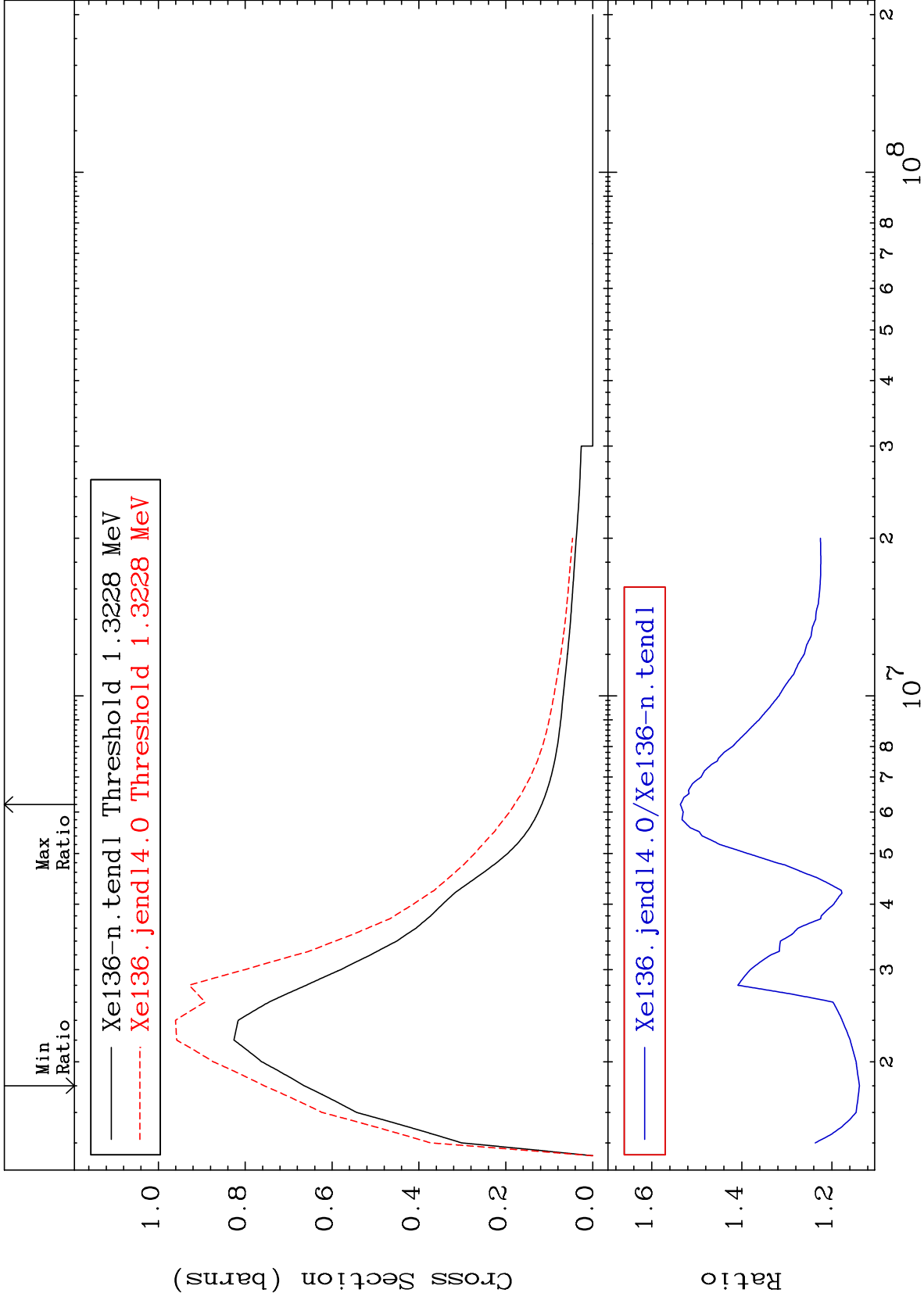
-100.0 To 605.6 %



MAT 5461

1.313 MeV (n,n') Level
Cross Section

54-Xe-136
13.87 To 53.66 %



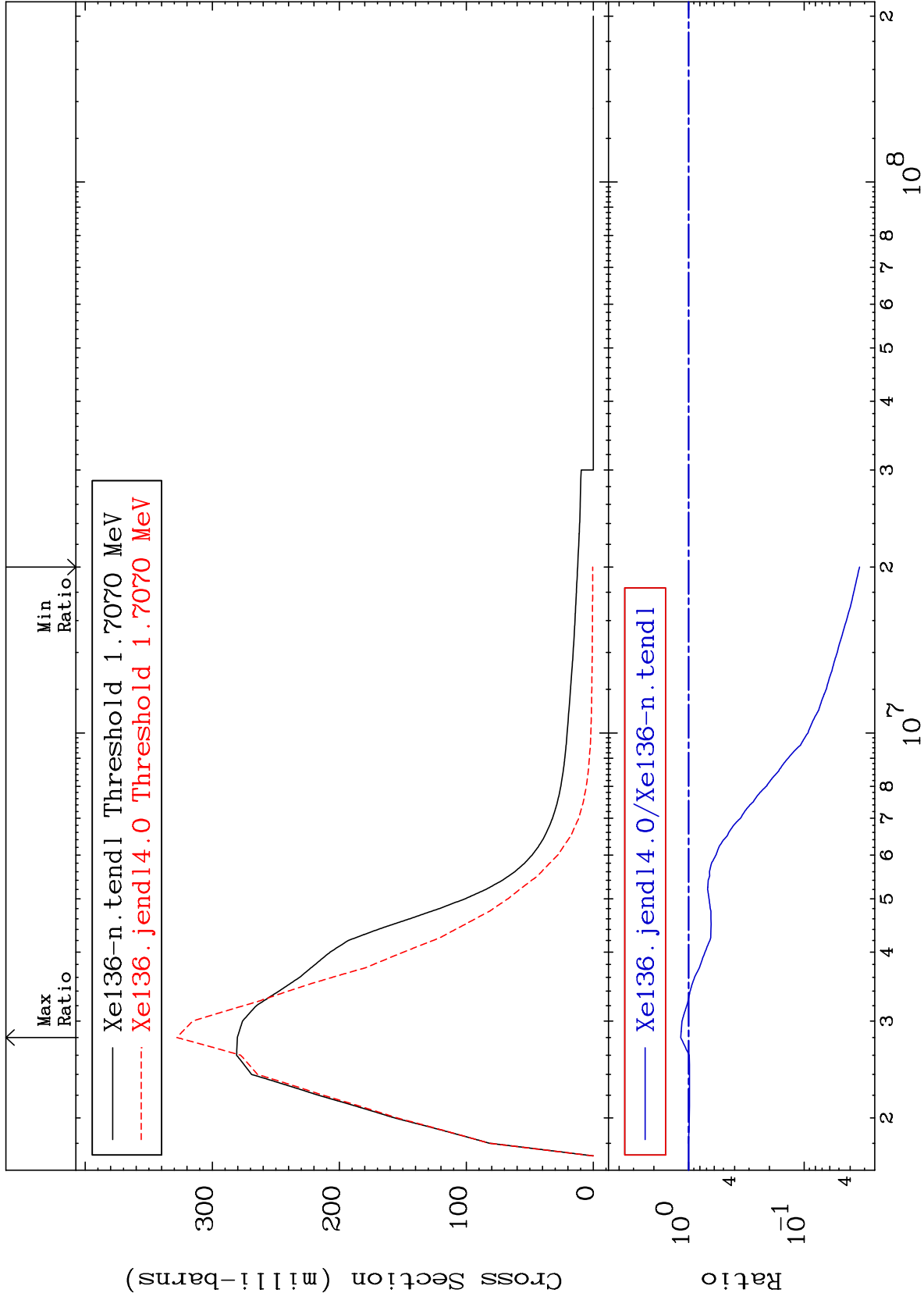
MAT 5461

1.694 MeV (n,n') Level

54-Xe-136

-96.69 To 17.02 %

Cross Section



10

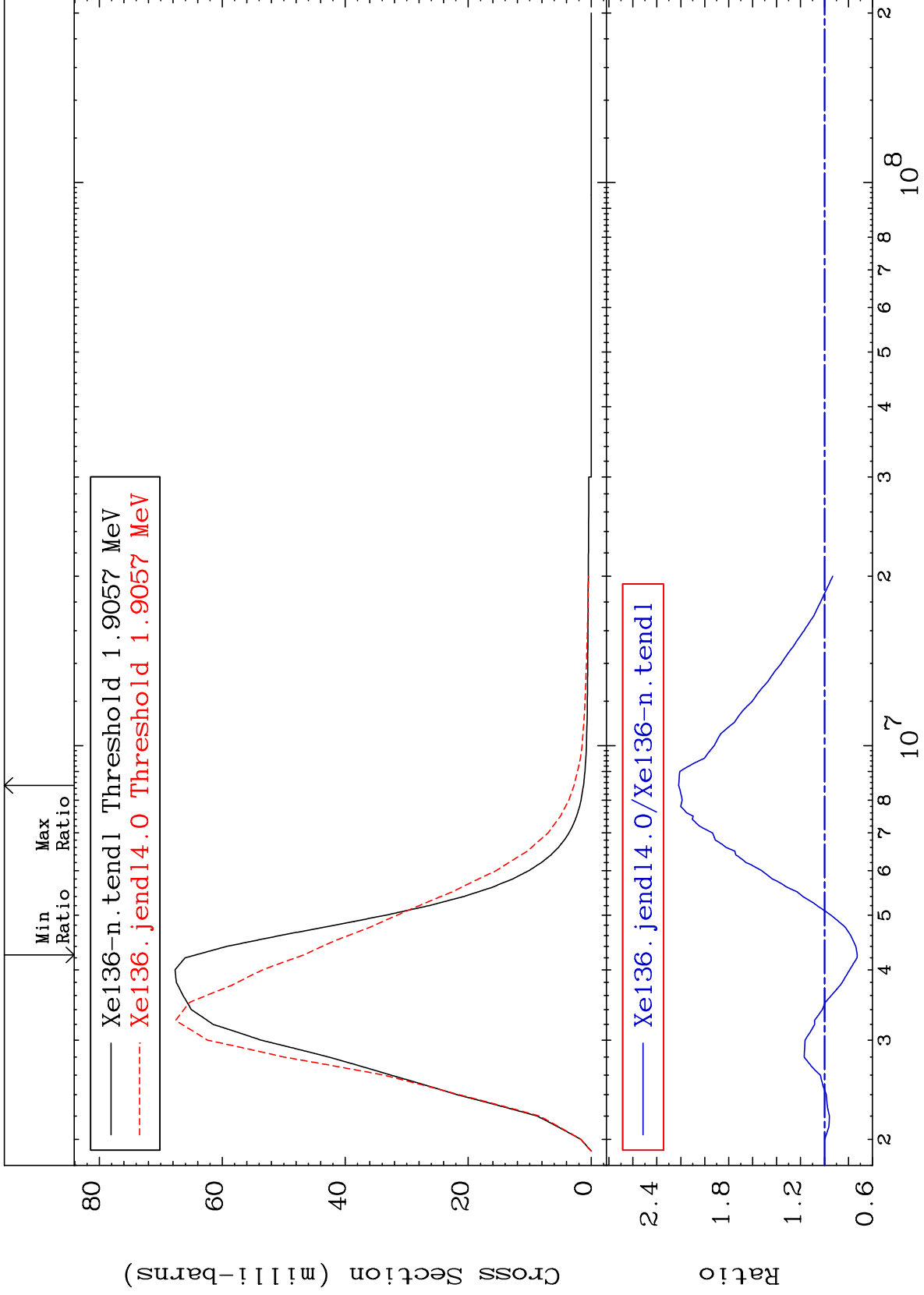
Incident Energy (eV)

54-Xe-136

MAT 5461

1.892 MeV (n,n') Level
Cross Section

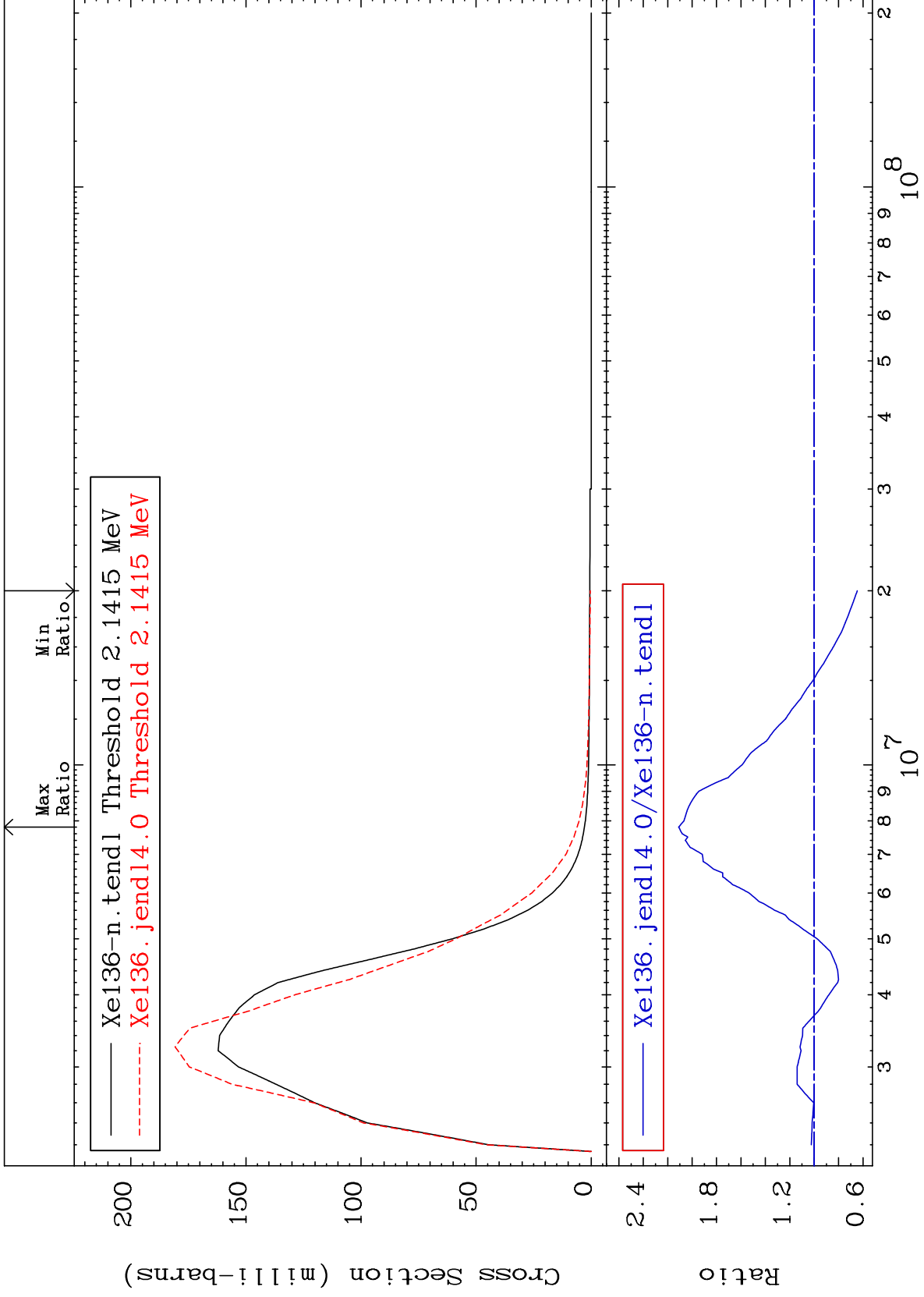
54-Xe-136
-27.33 To 121.8 %



MAT 5461

2.126 MeV (n,n') Level
Cross Section

54-Xe-136
-35.28 To 111.0 %



12

Incident Energy (eV)

54-Xe-136

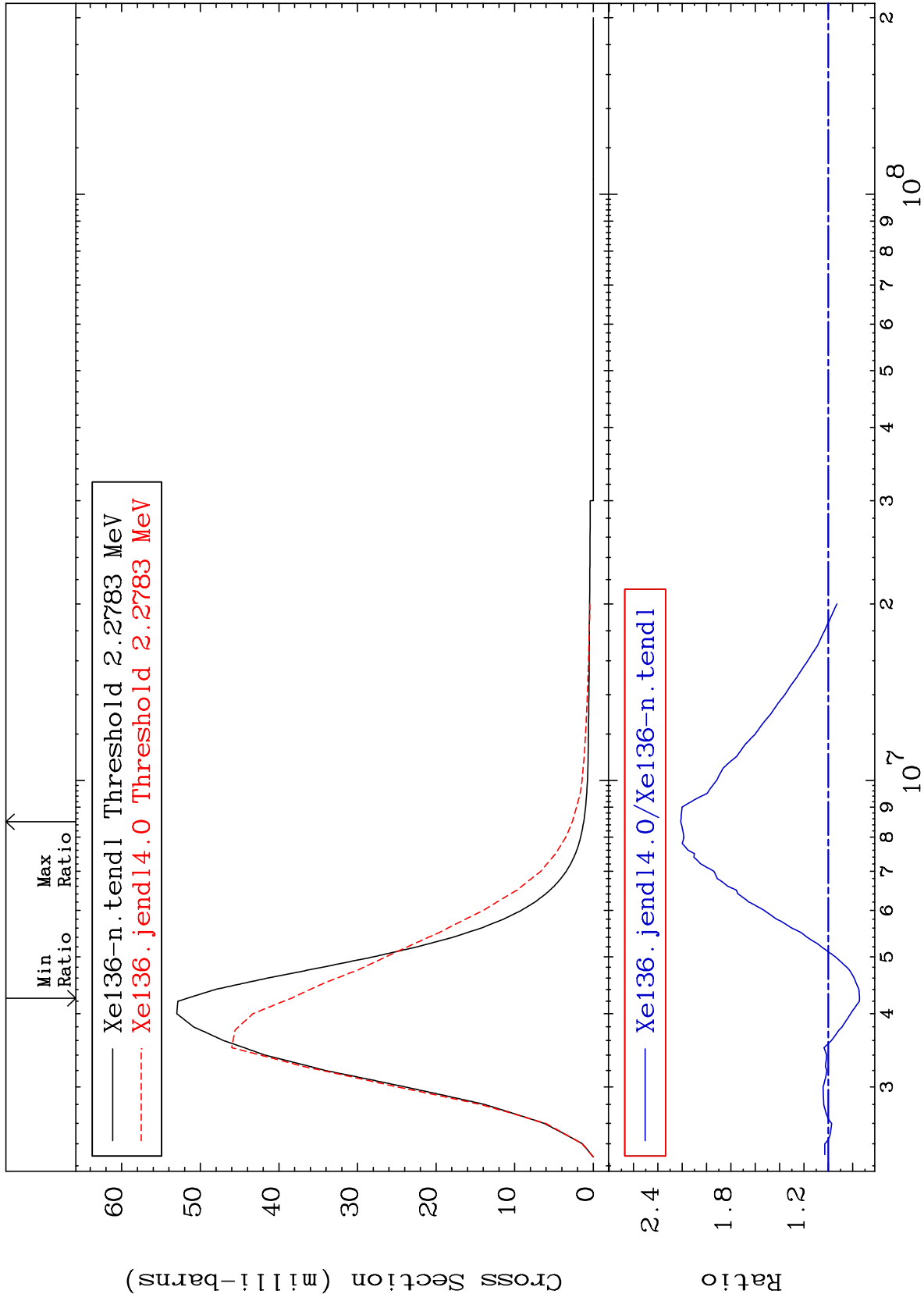
MAT 5461

2.262 MeV (n,n') Level

54-Xe-136

-25.64 To 121.2 %

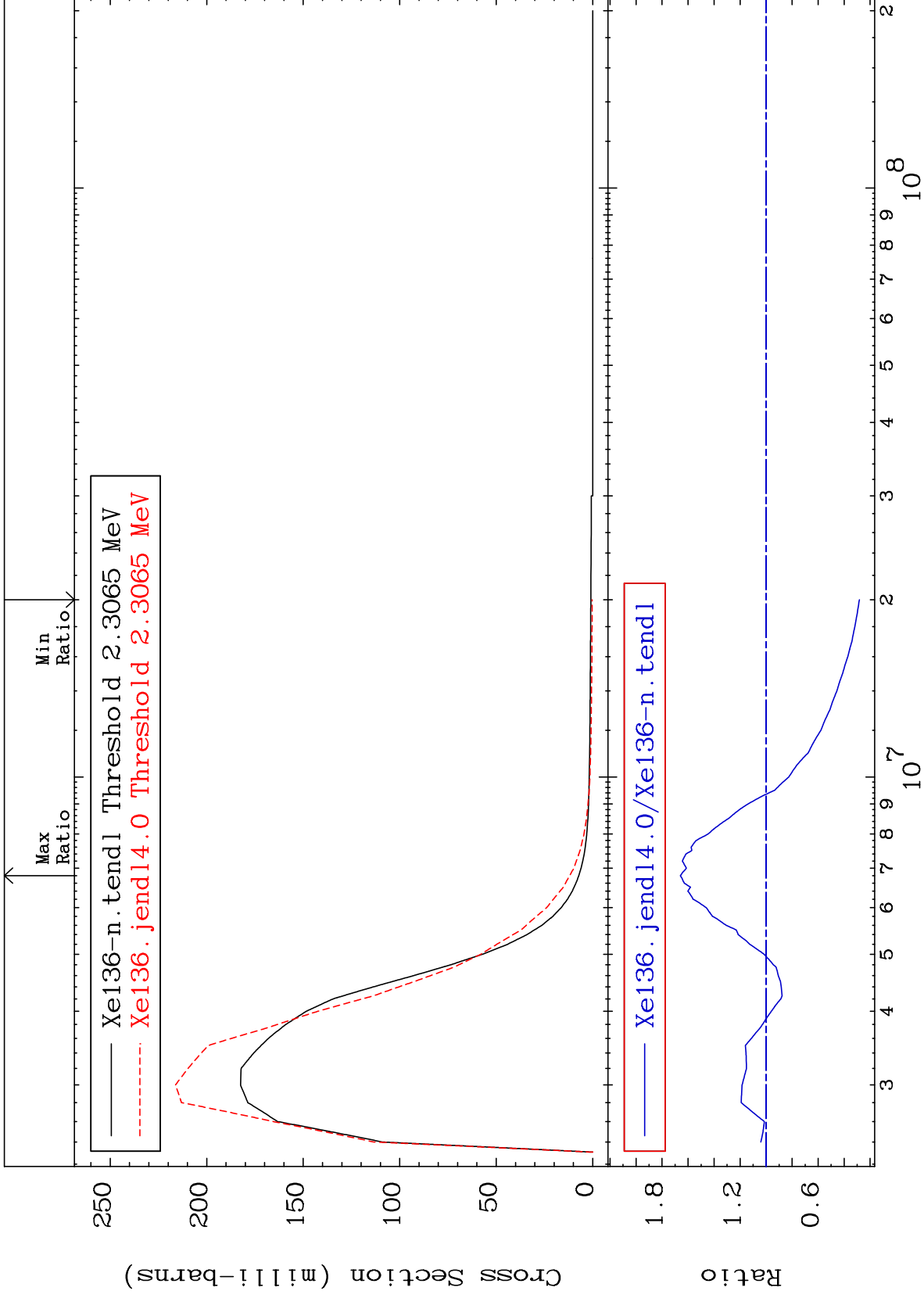
Cross Section



MAT 5461

2.290 MeV (n,n') Level
Cross Section

54-Xe-136
-71.75 To 65.93 %



14

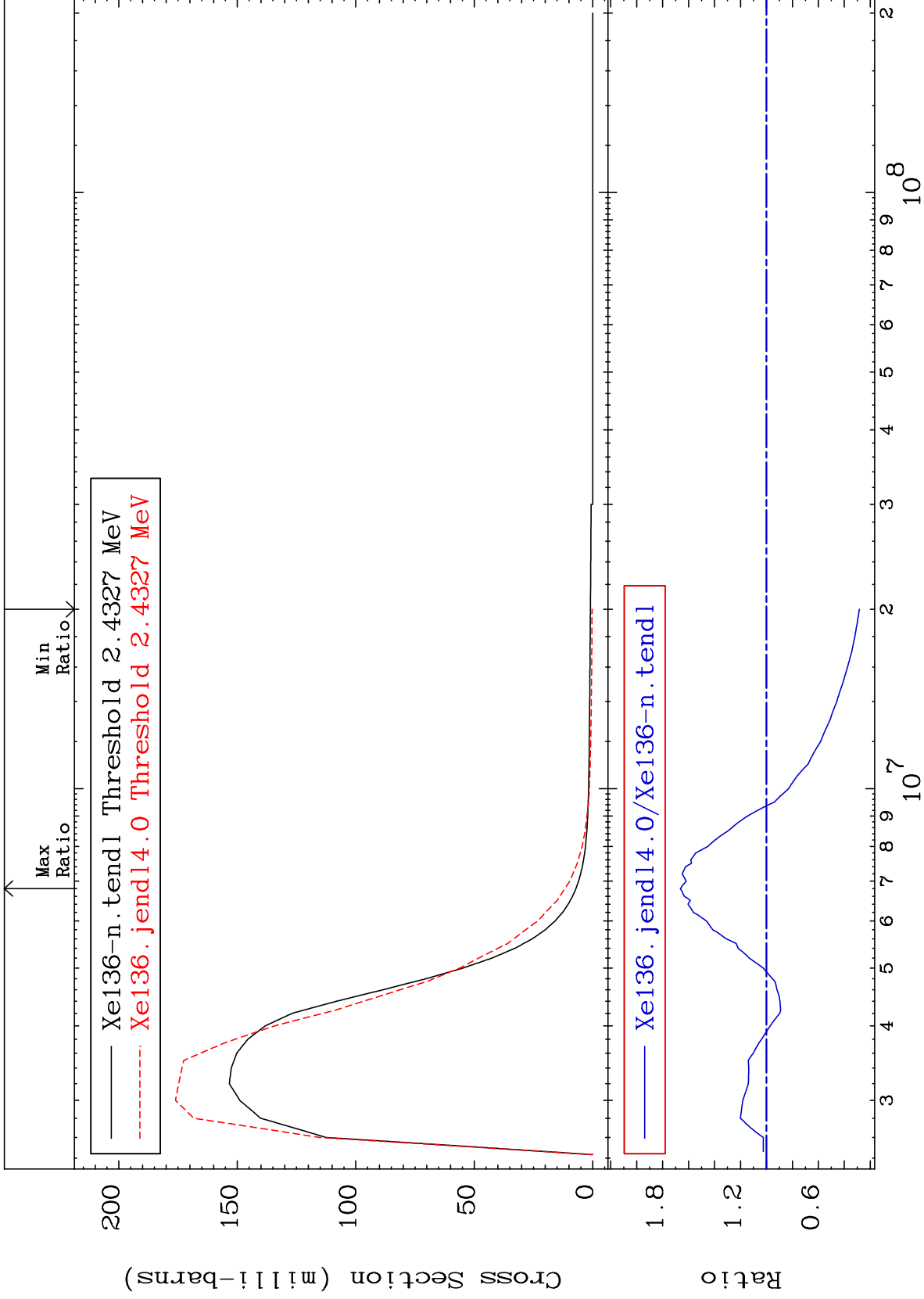
Incident Energy (eV)

54-Xe-136

MAT 5461

2.415 MeV (n,n') Level
Cross Section

54-Xe-136
-71.67 To 66.35 %



15

54-Xe-136

54-Xe-136

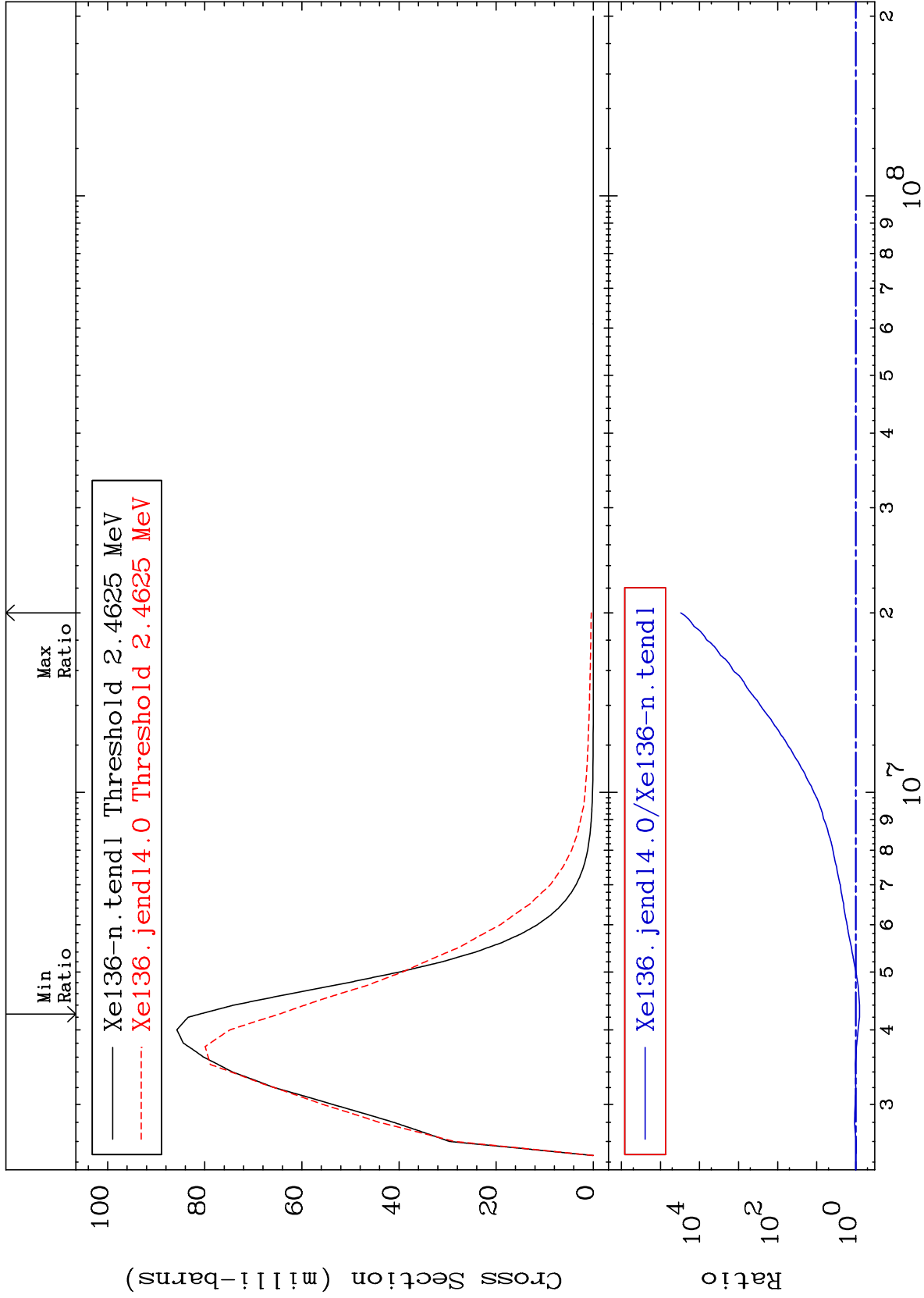
MAT 5461

2.444 MeV (n,n') Level

54-Xe-136

-20.22 To 9999. %

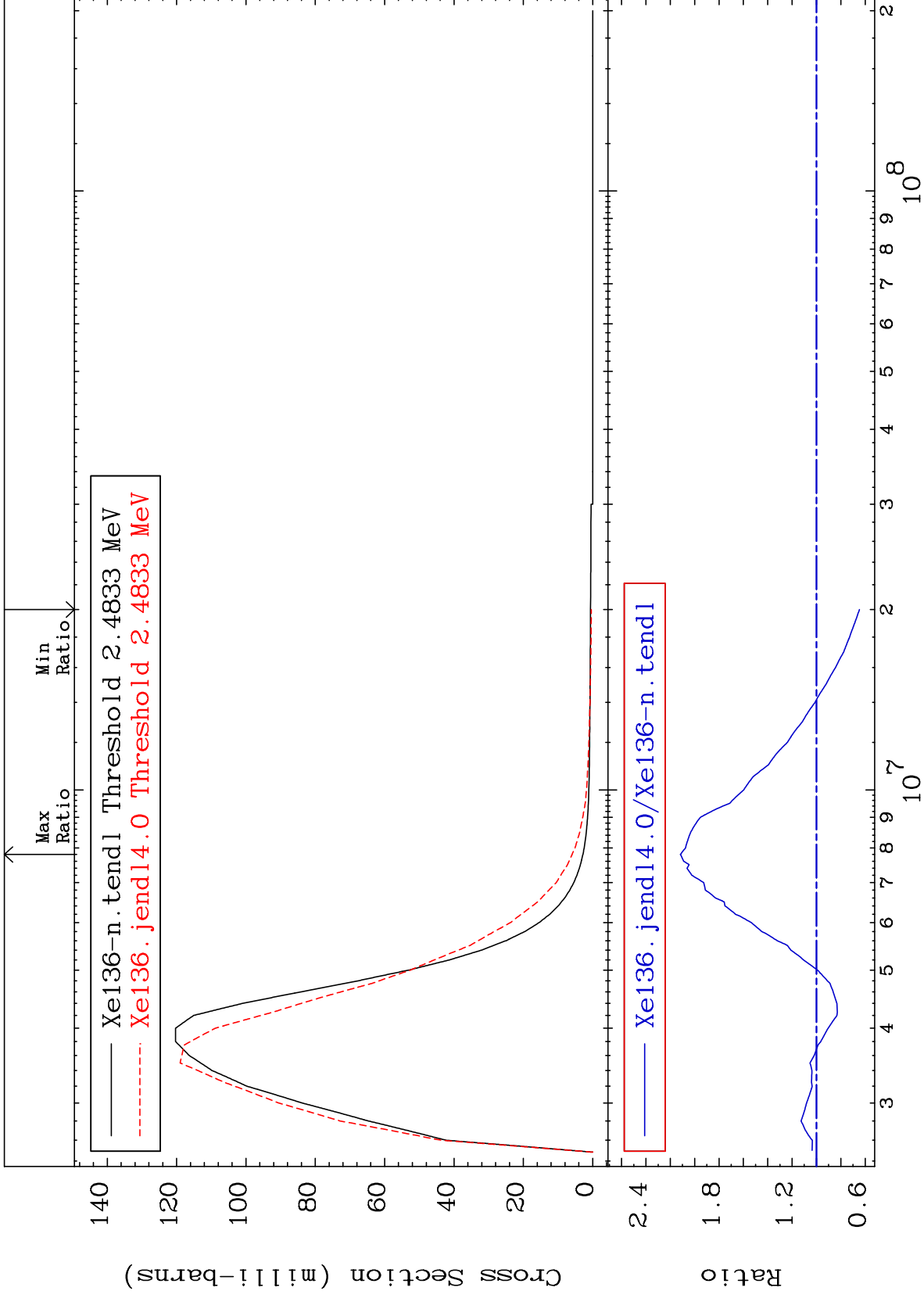
Cross Section



MAT 5461

2.465 MeV (n,n') Level
Cross Section

54-Xe-136
-35.29 To 111.7 %



17

Incident Energy (eV)

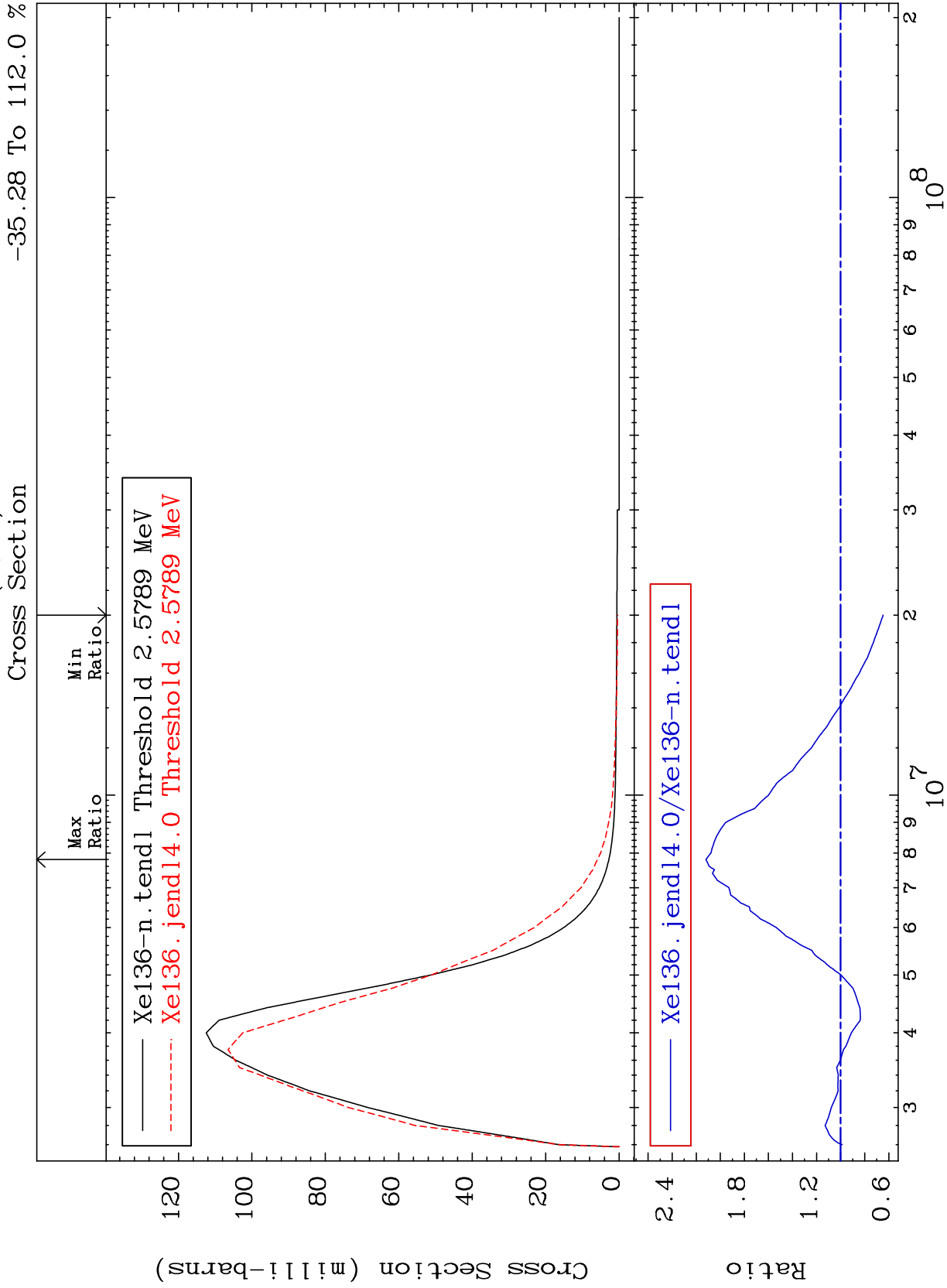
54-Xe-136

MAT 5461

2.560 MeV (n,n') Level

54-Xe-136

-35.28 To 112.0 %



18

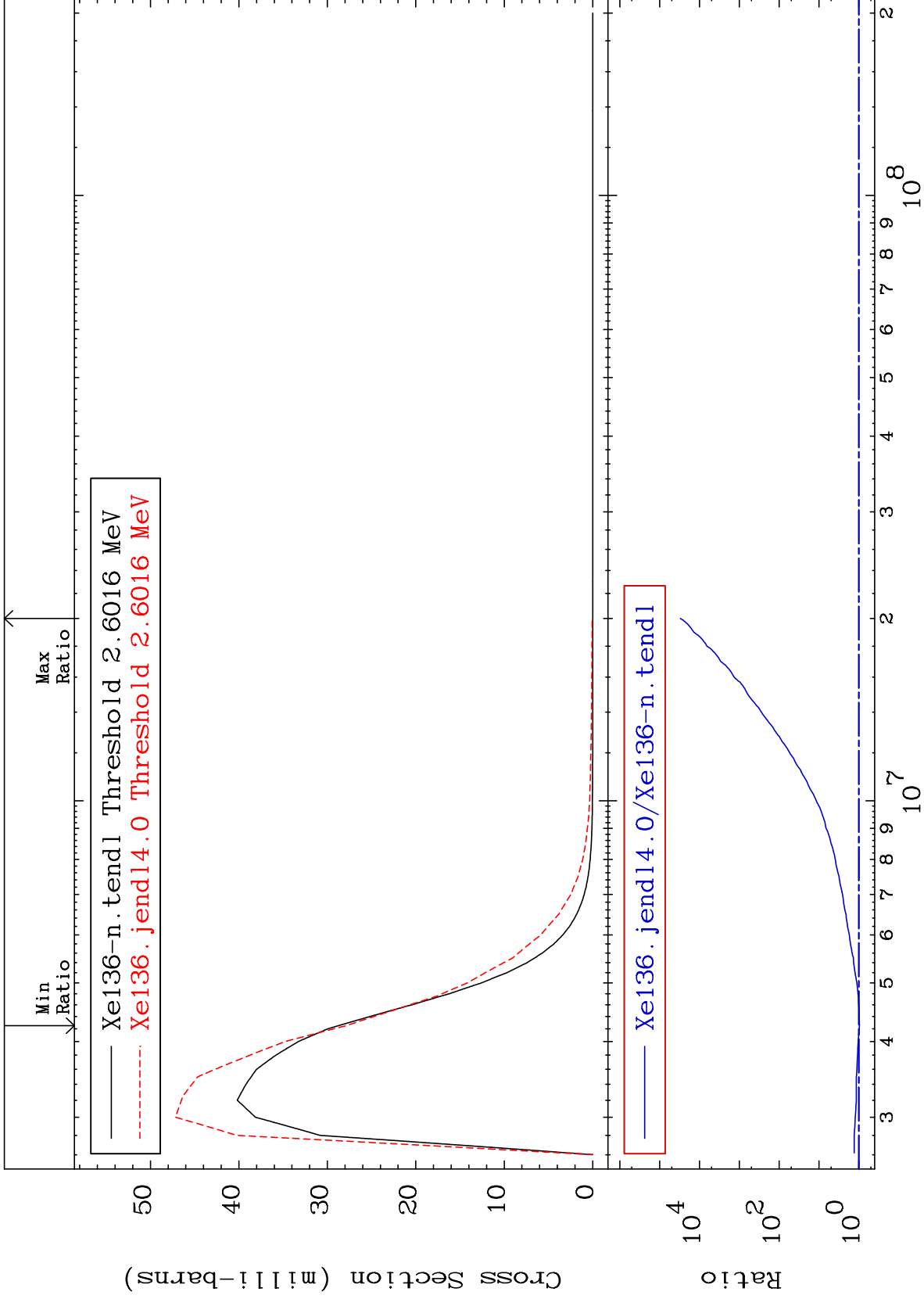
Incident Energy (eV)

54-Xe-136

MAT 5461

2.582 MeV (n,n') Level
Cross Section

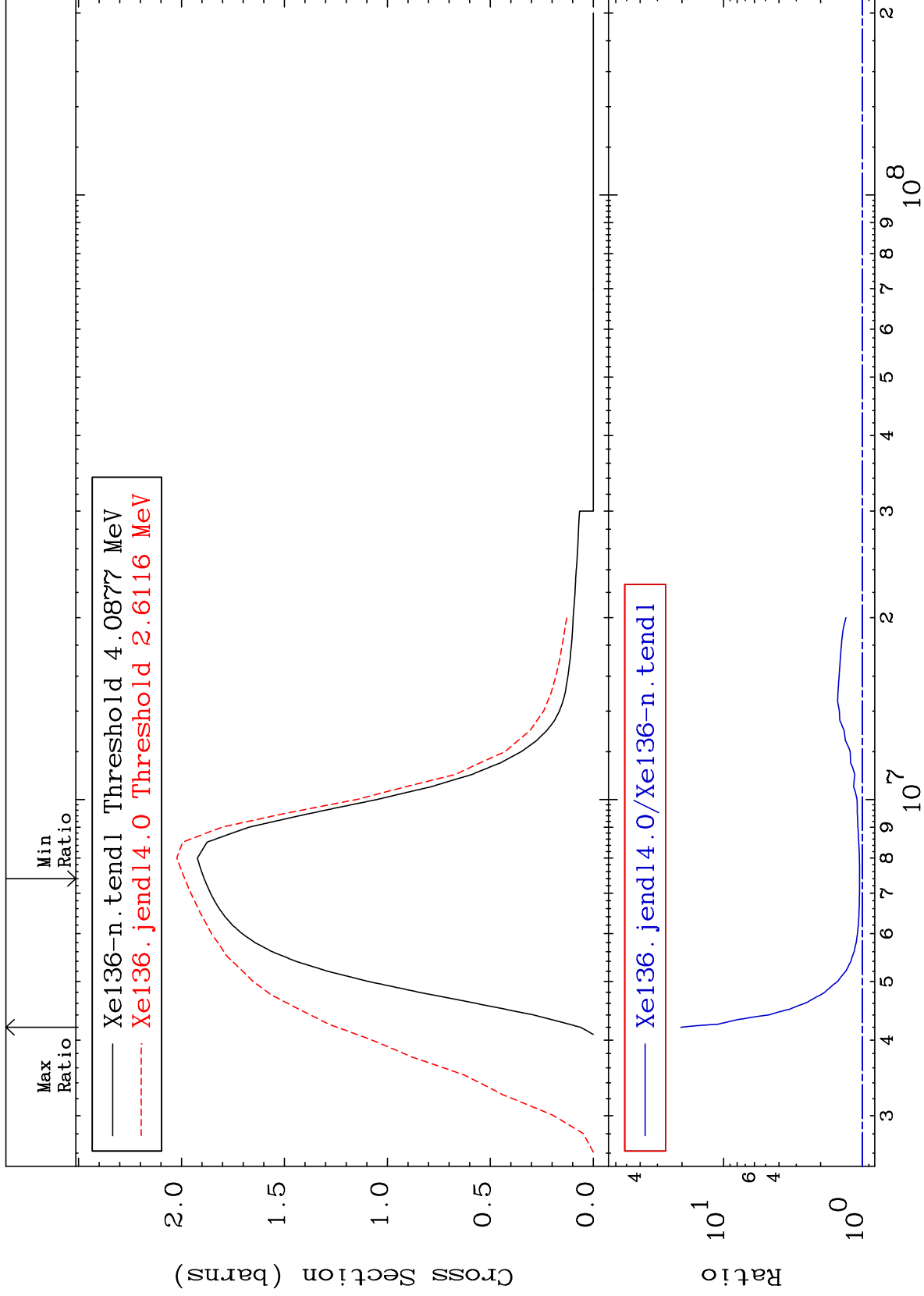
54-Xe-136
-3.052 To 9999. %



MAT 5461

(n, n') Continuum
Cross Section

54-Xe-136
4.992 To 1939. %



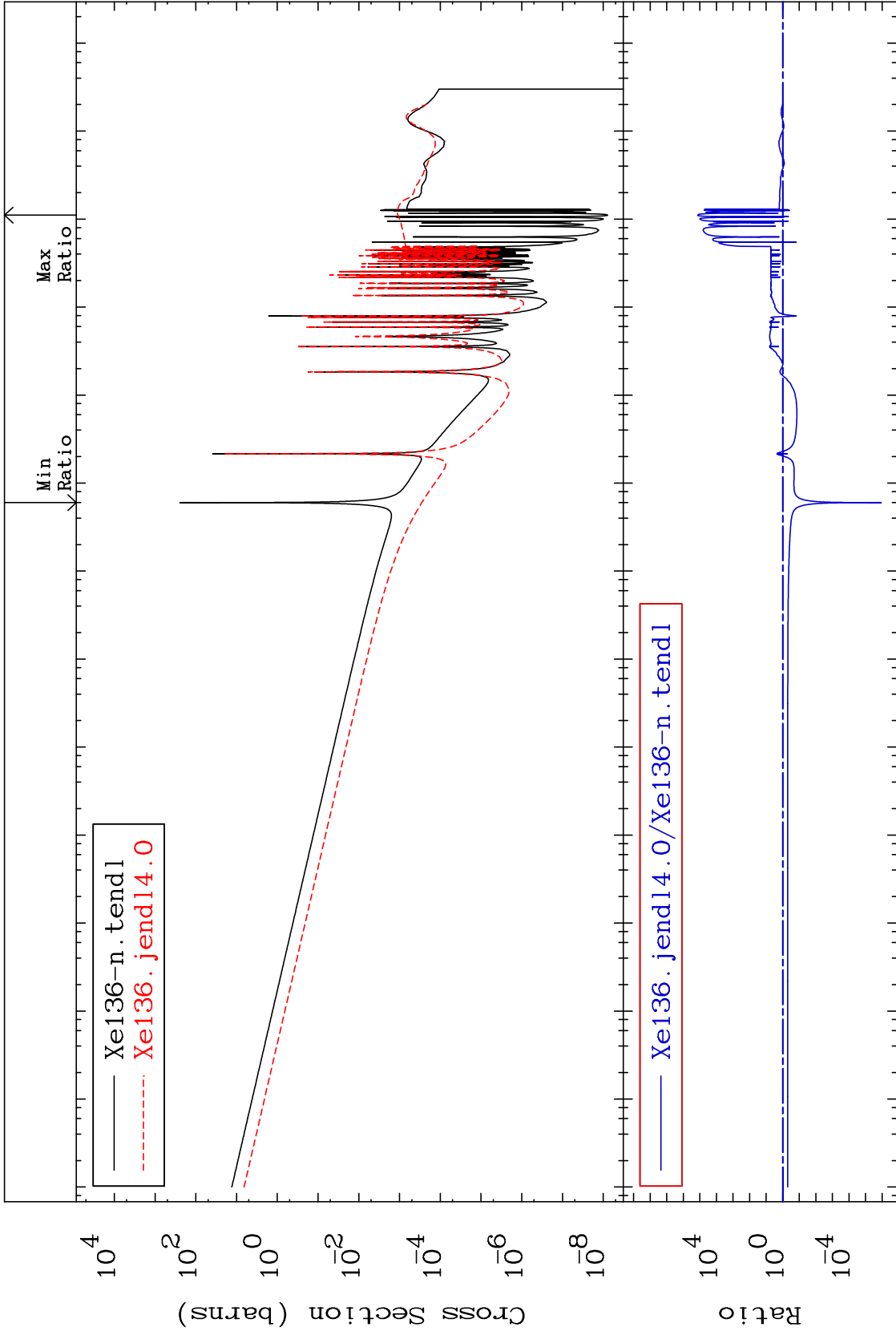
20

54-Xe-136

MAT 5461

(n, γ)
Cross Section

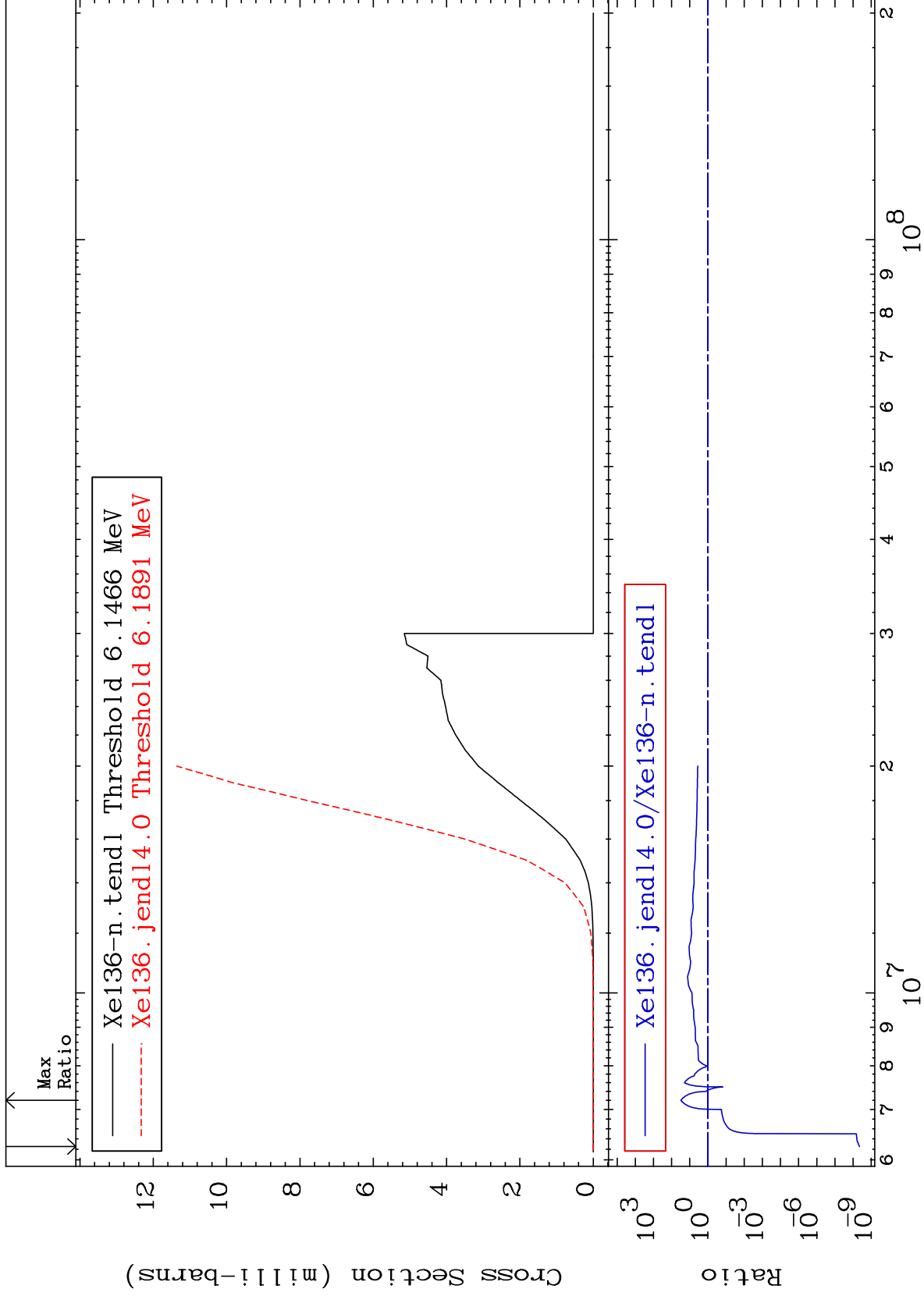
54-Xe-136
-100.0 To 9999. %



MAT 5461

(n,p)
Cross Section

54-Xe-136
-100.0 To 3016. %



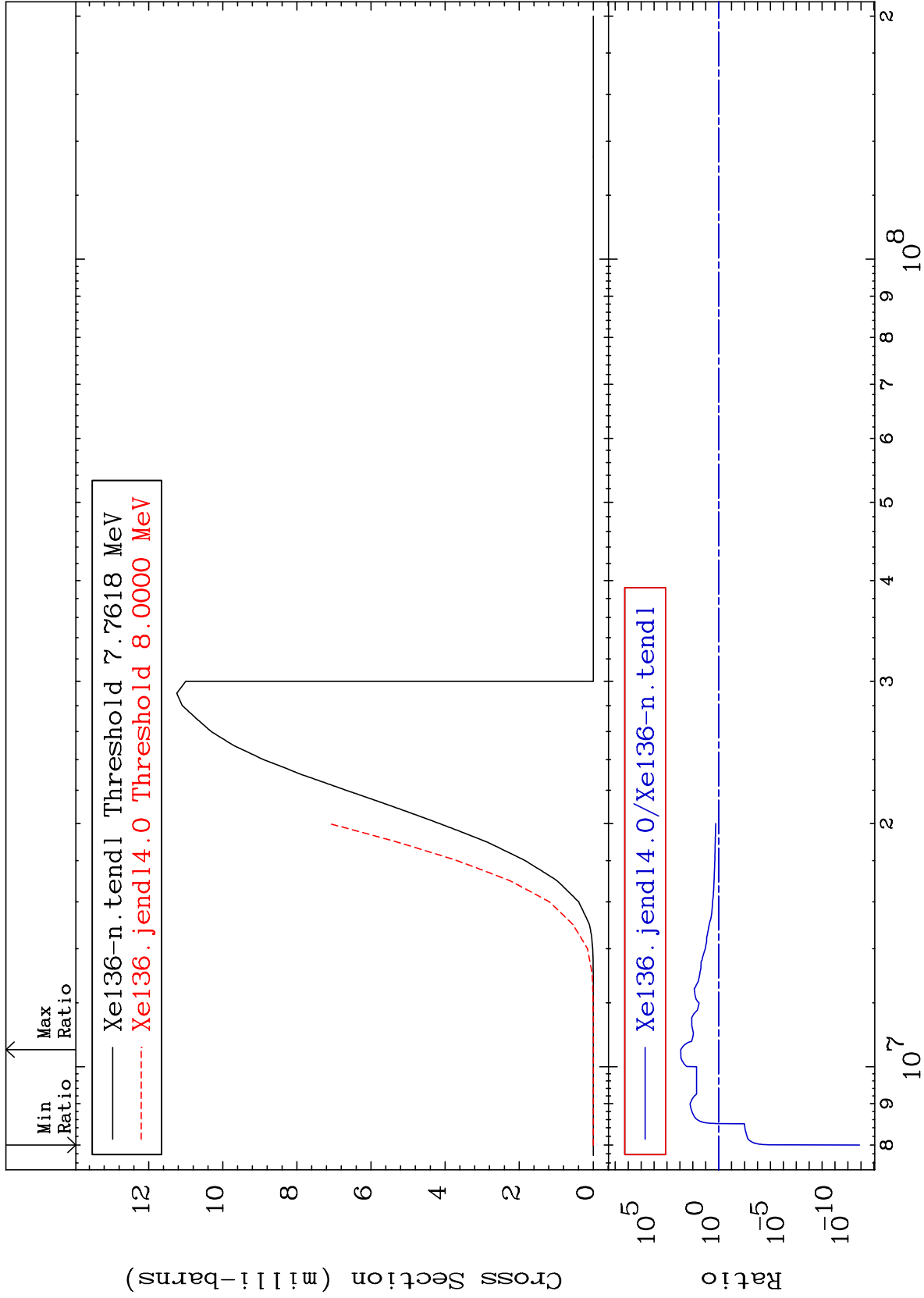
MAT 5461

(n, d)

54-Xe-136

Cross Section

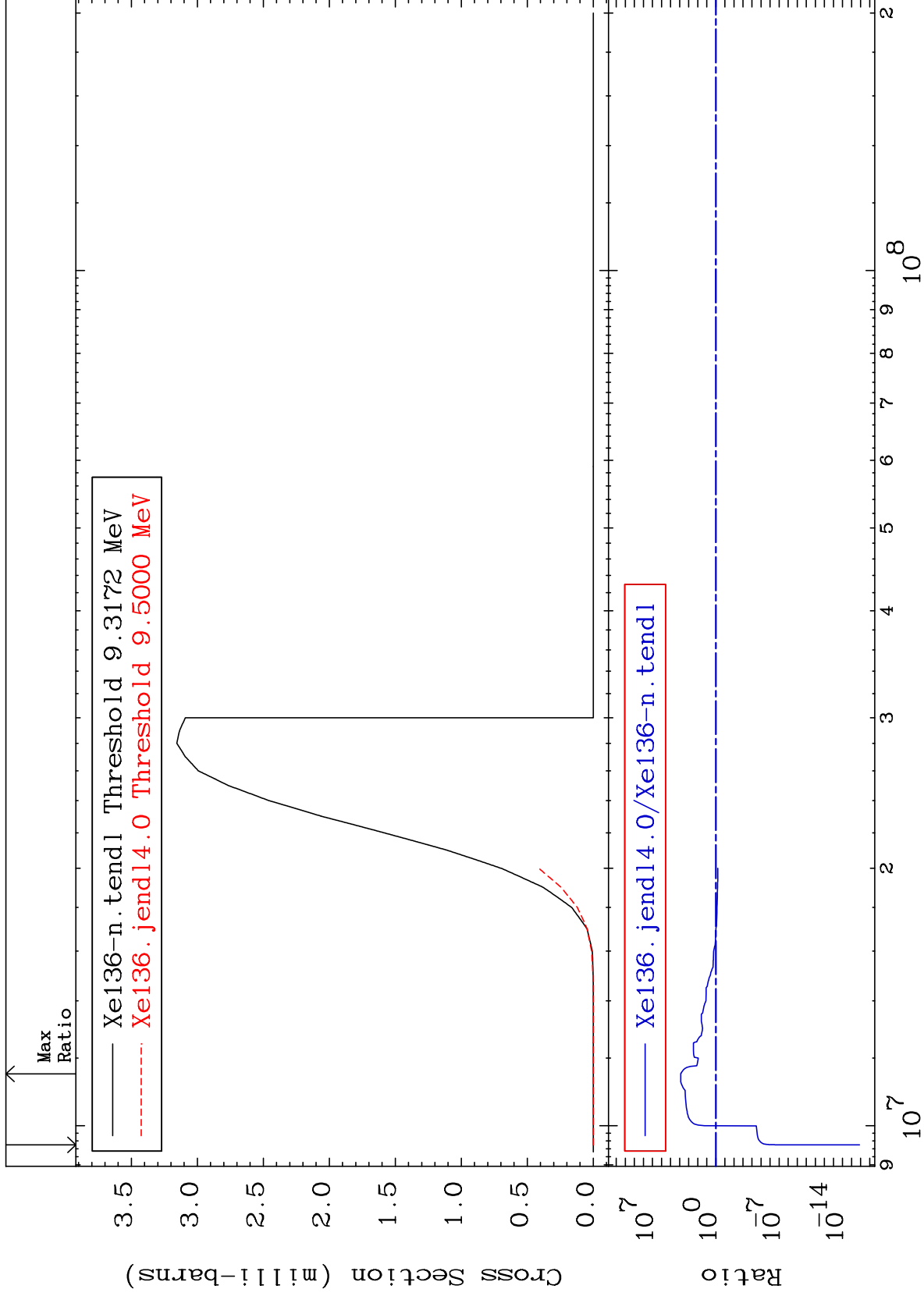
-100.0 To 9999. %



MAT 5461

(n, t)
Cross Section

54-Xe-136
-100.0 To 9999. %



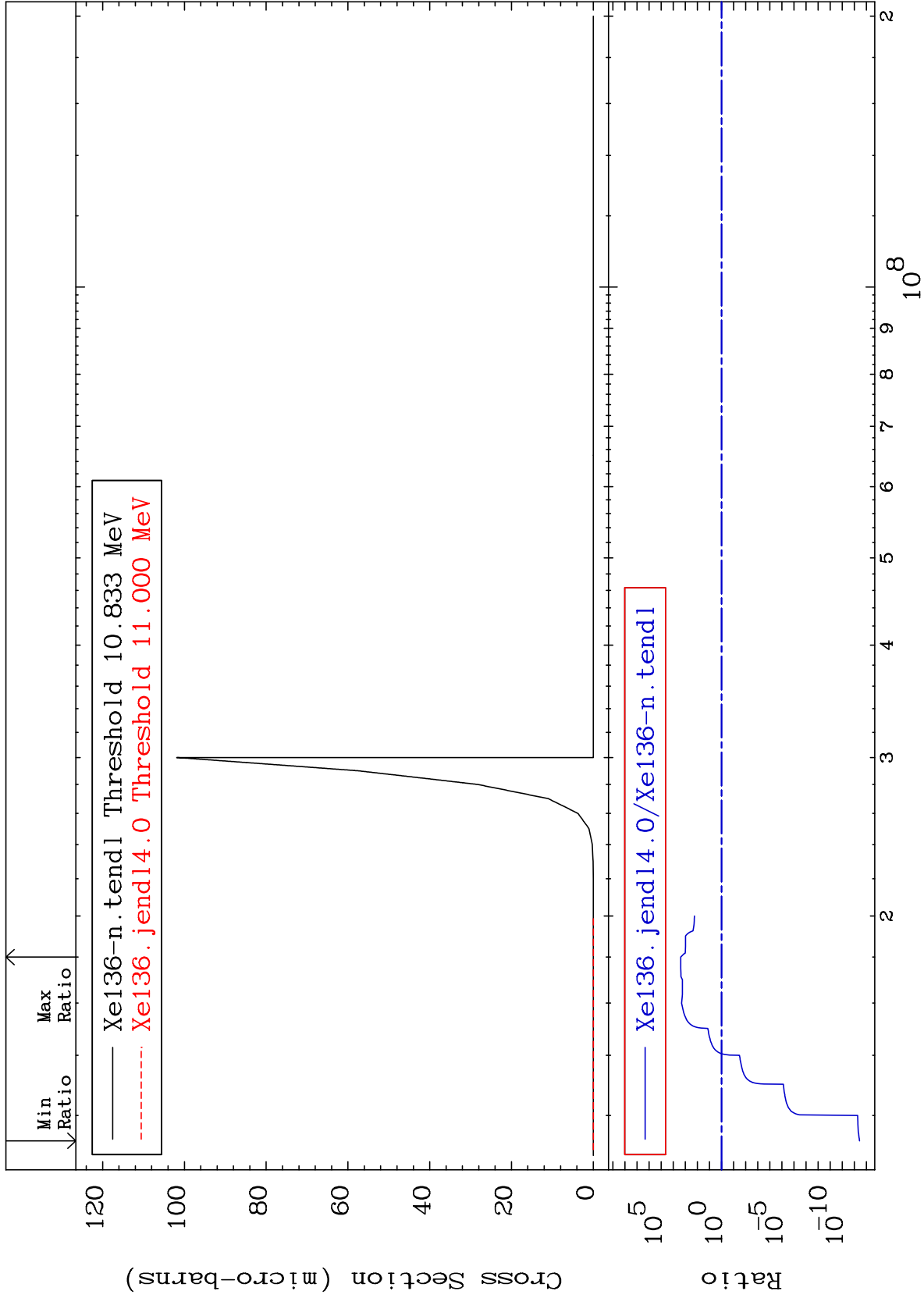
24

Incident Energy (eV)

54-Xe-136

Cross Section

-100.0 To 9999. %



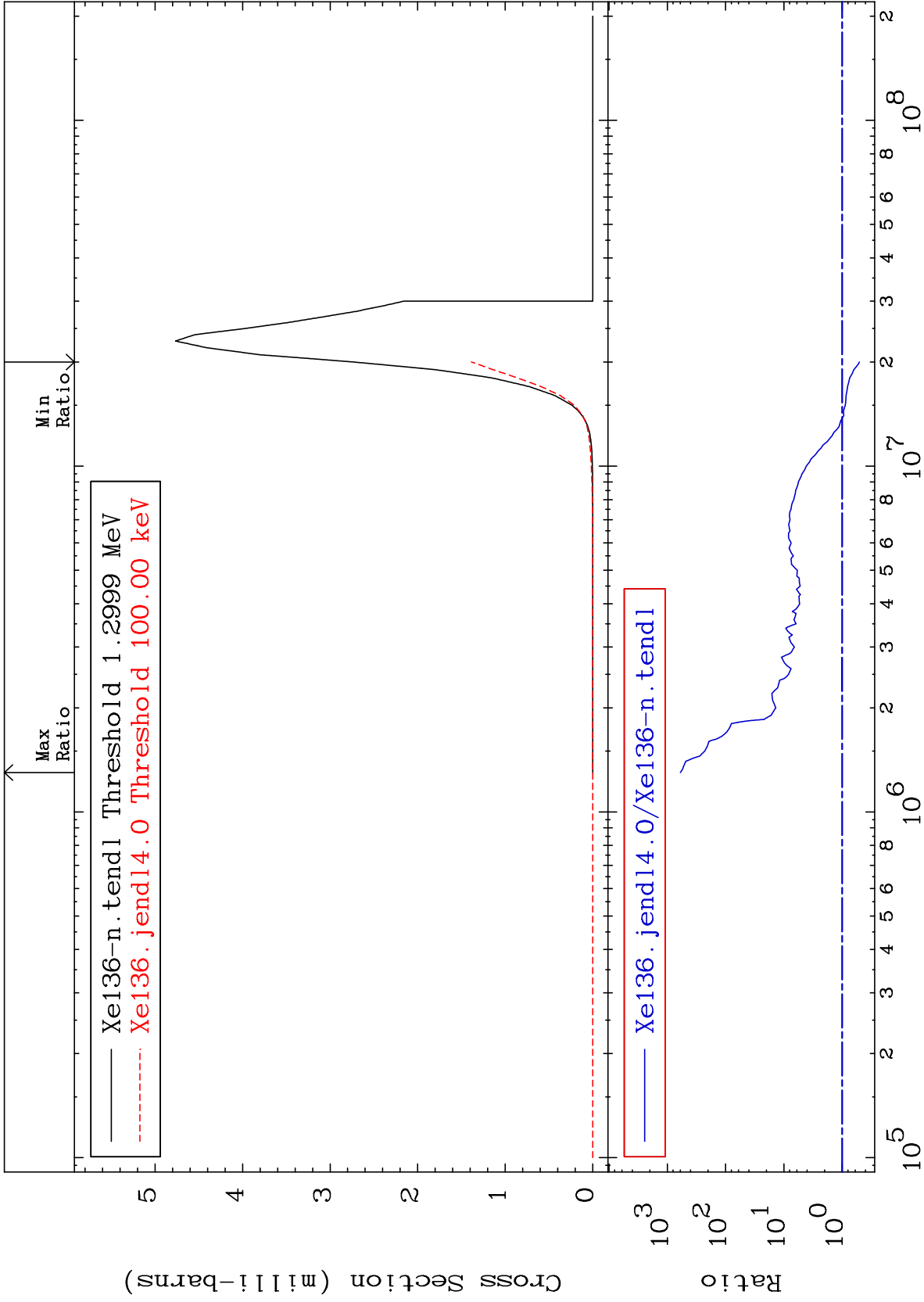
MAT 5461

(n, α)

54-Xe-136

Cross Section

-49.33 To 9999. %



26

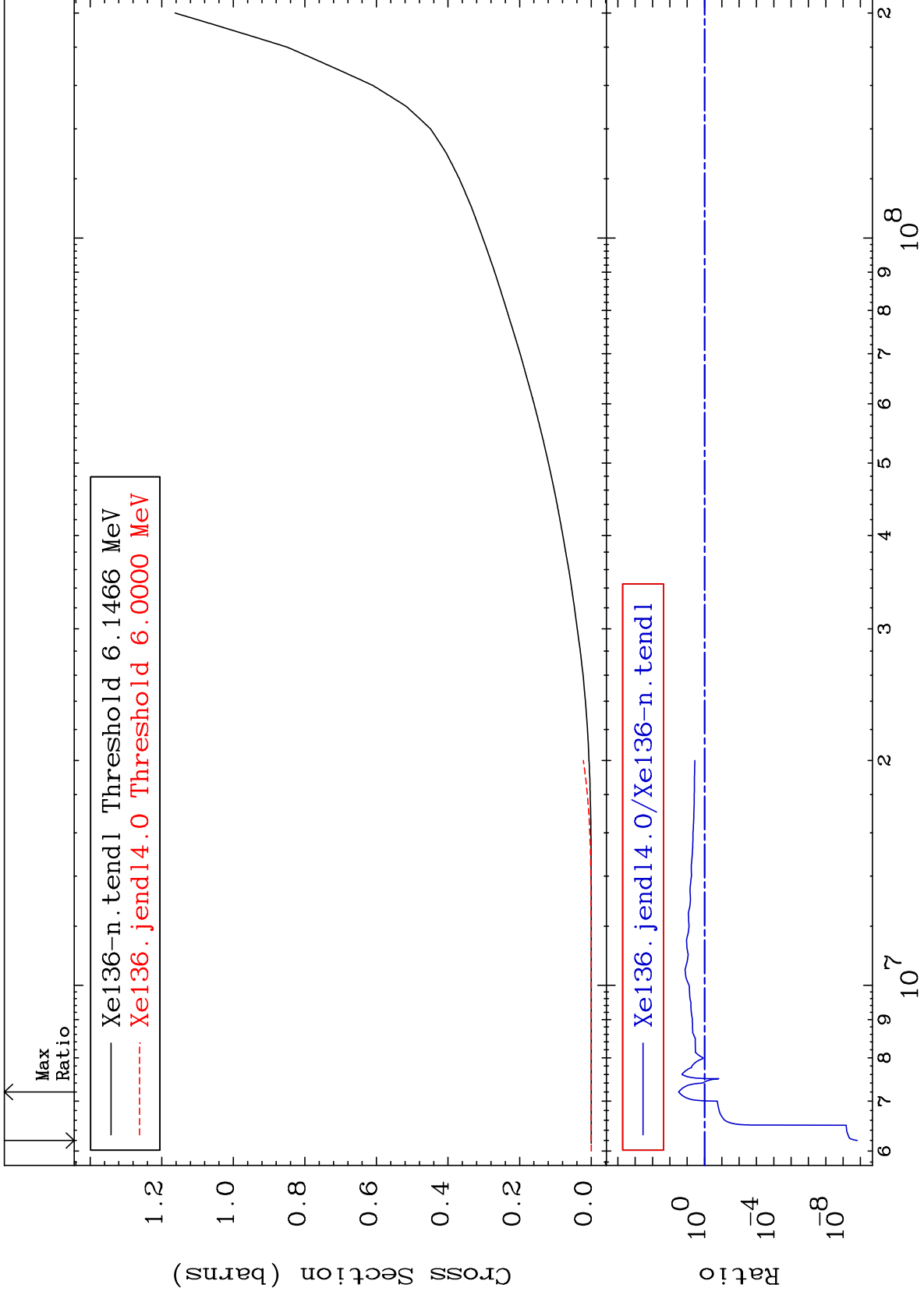
Incident Energy (eV)

54-Xe-136

MAT 5461

Hydrogen Production
Cross Section

54-Xe-136
-100.0 To 3016. %



27

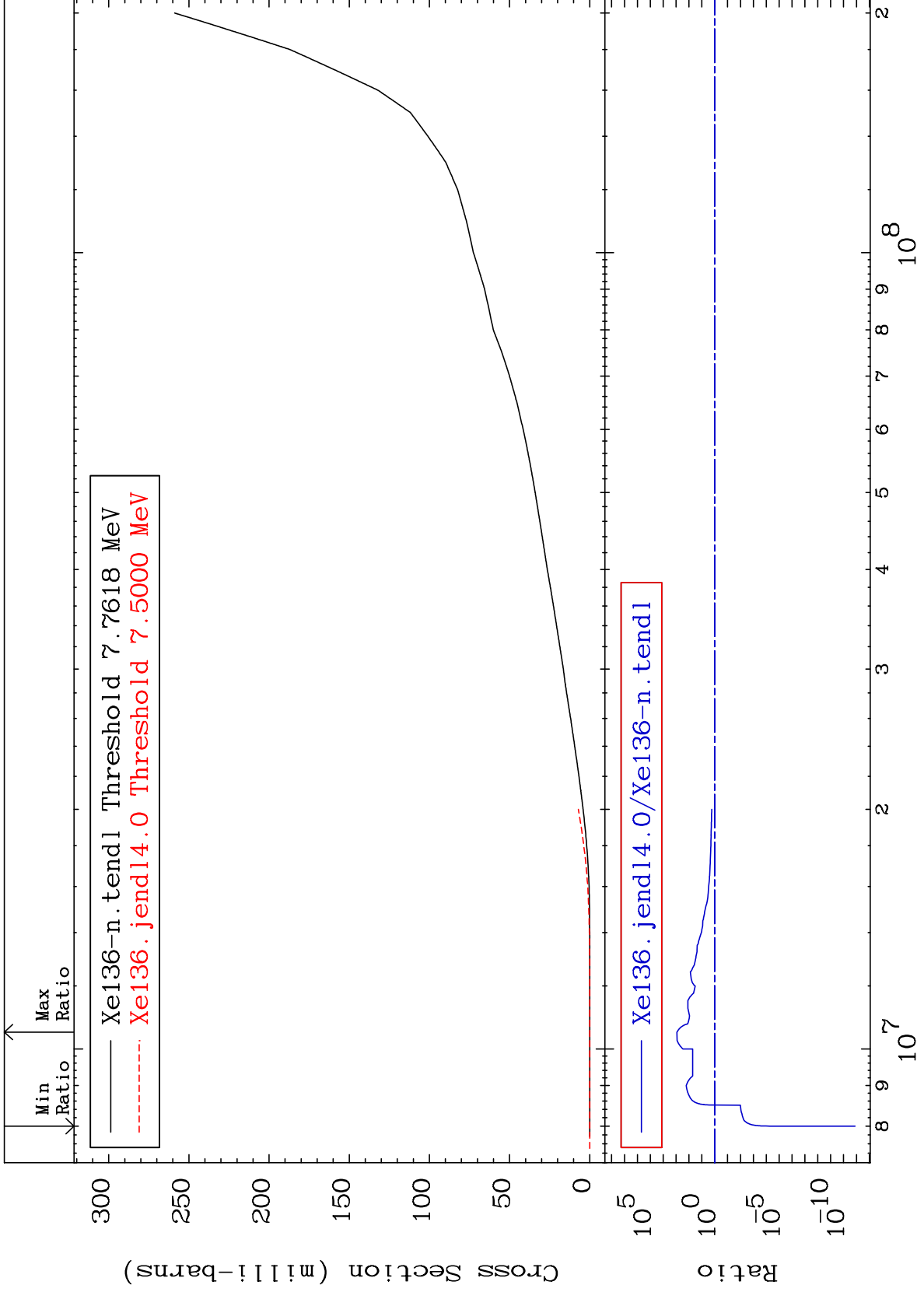
Incident Energy (eV)

54-Xe-136

MAT 5461

Deuterium Production
Cross Section

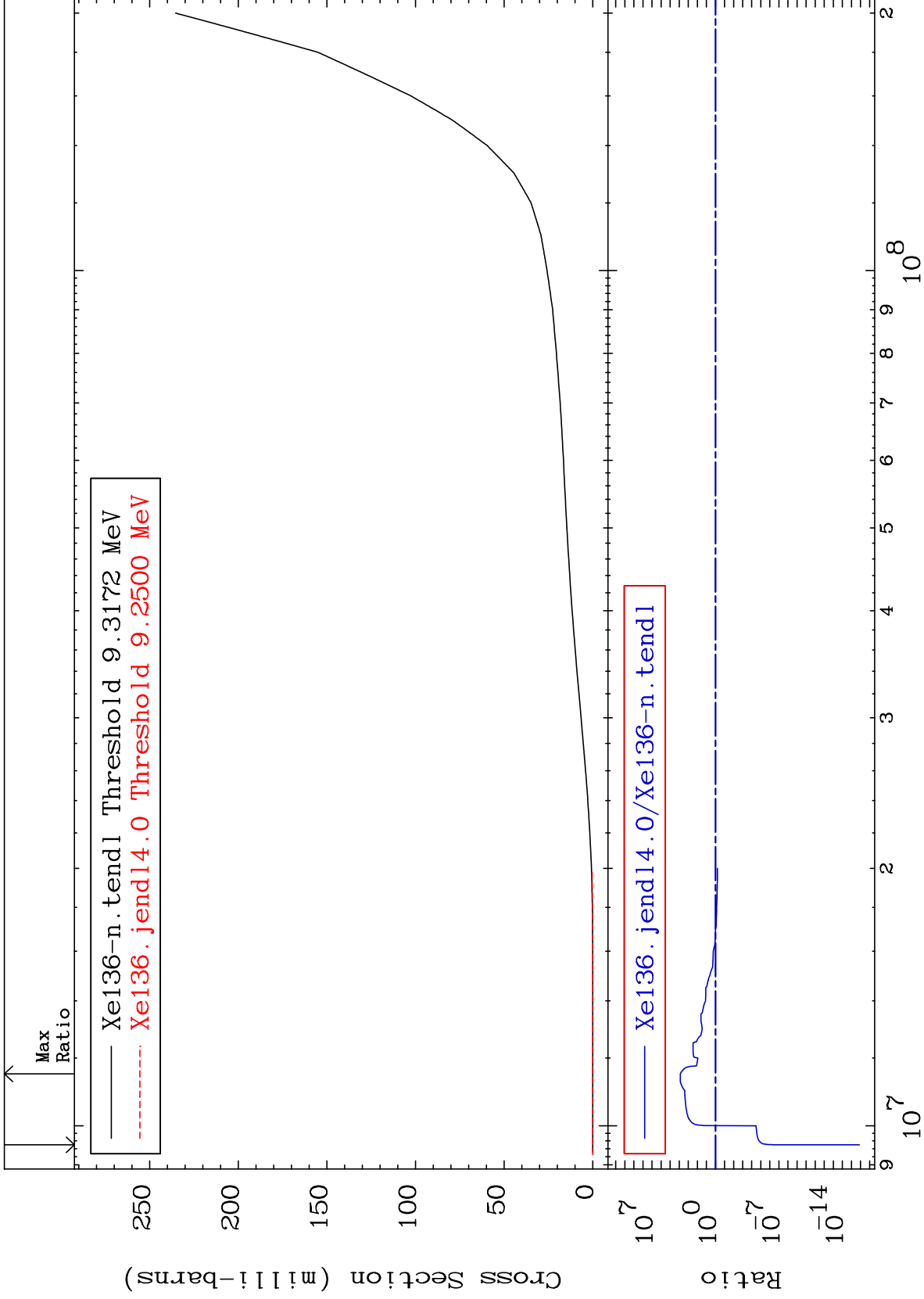
54-Xe-136
-100.0 To 9999. %

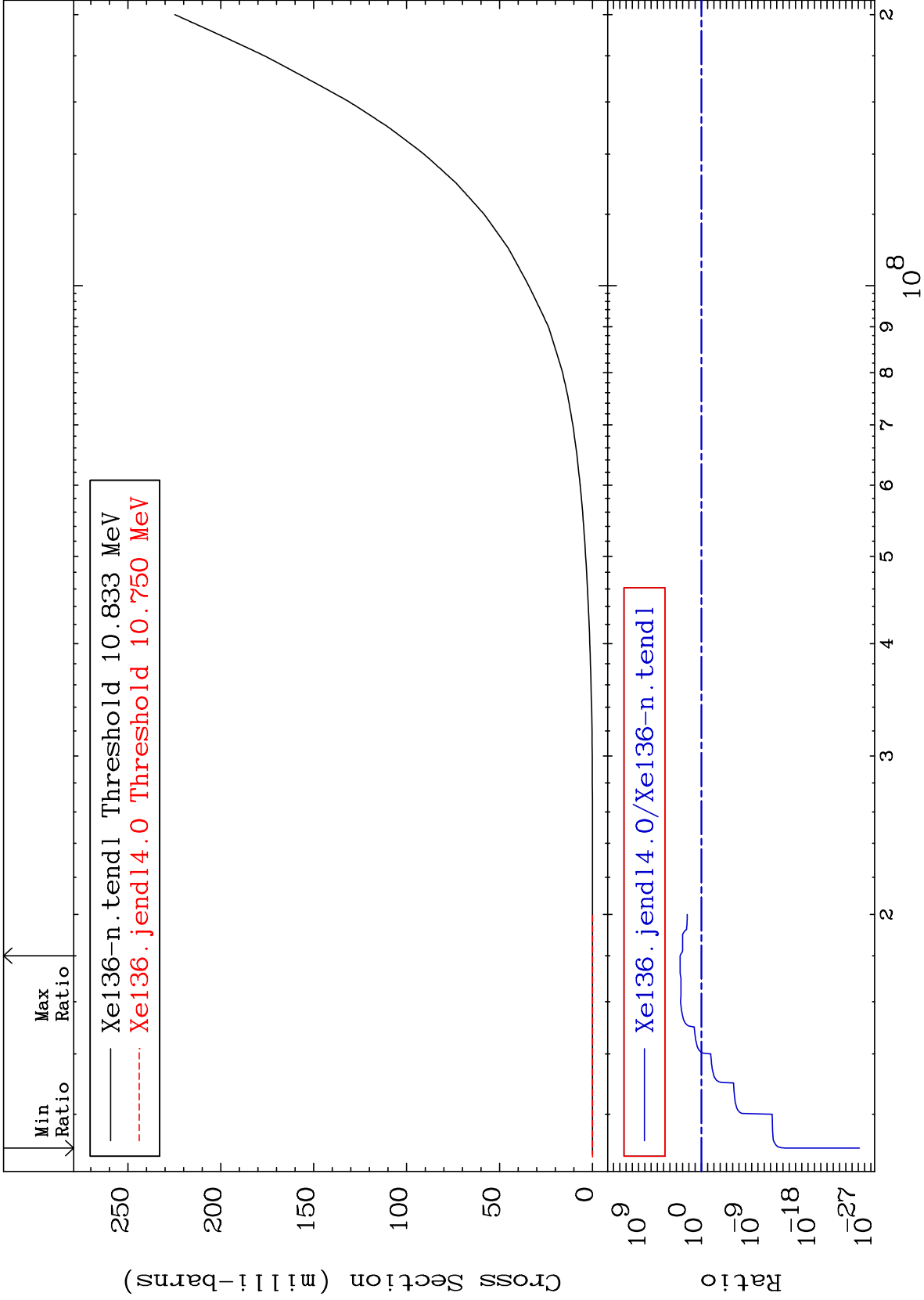


MAT 5461

Tritium Production
Cross Section

54-Xe-136
-100.0 To 9999. %

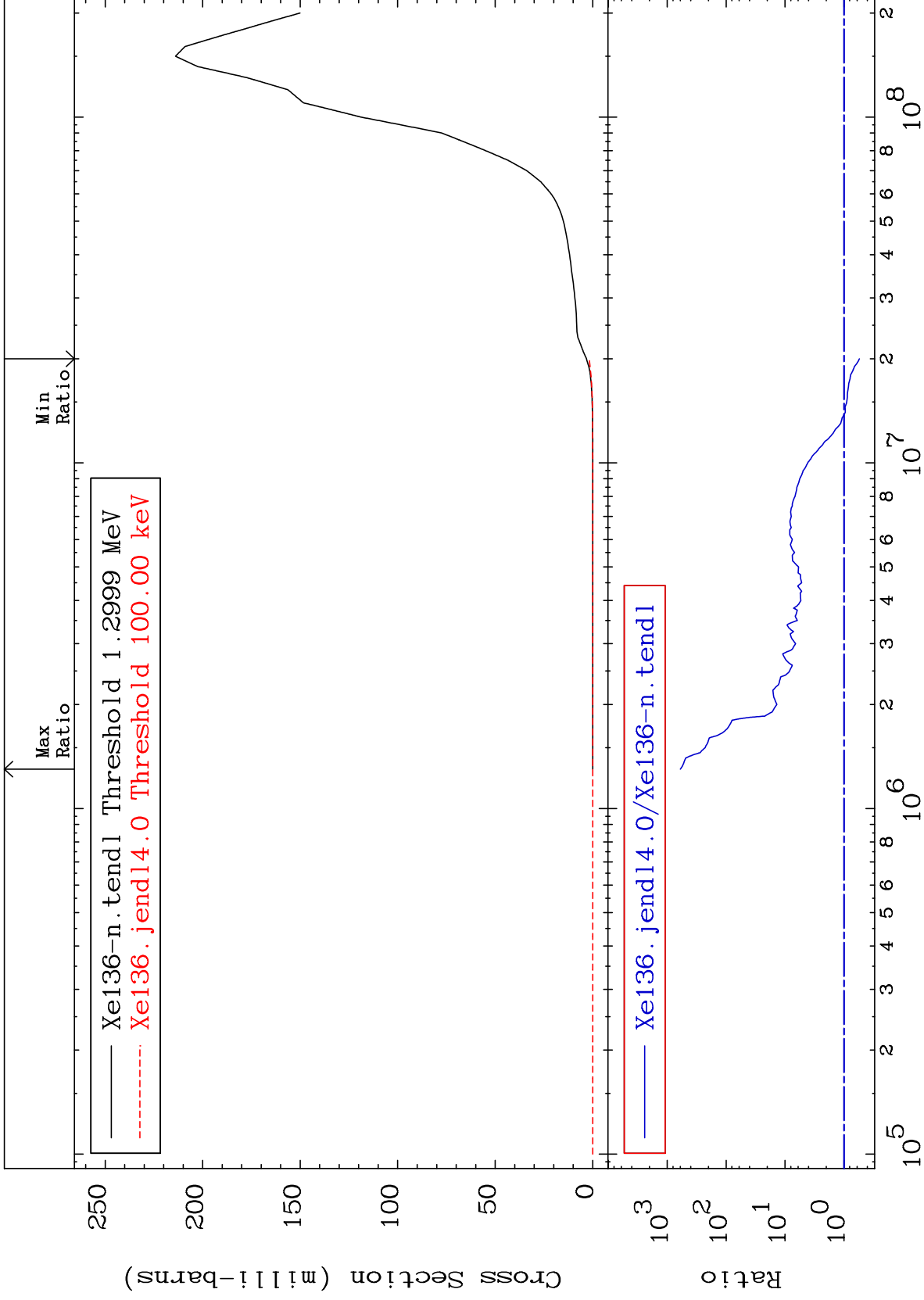




MAT 5461

He-4 Production
Cross Section

54-Xe-136
-45.30 To 9999. %



31

Incident Energy (eV)

54-Xe-136

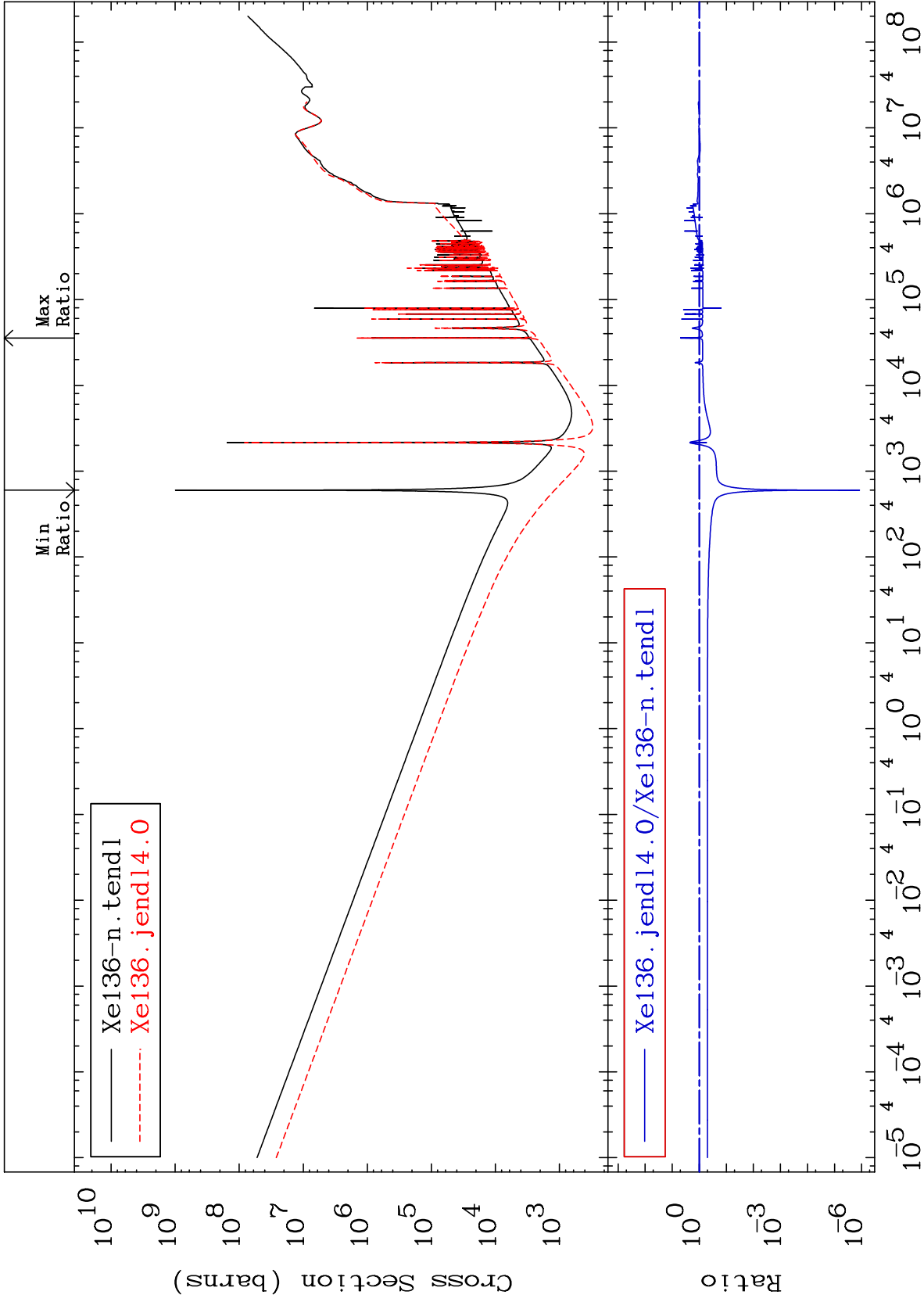
MAT 5461

Kerma total (eV-barns)

54-Xe-136

Cross Section

-100.0 To 399.5 %



32

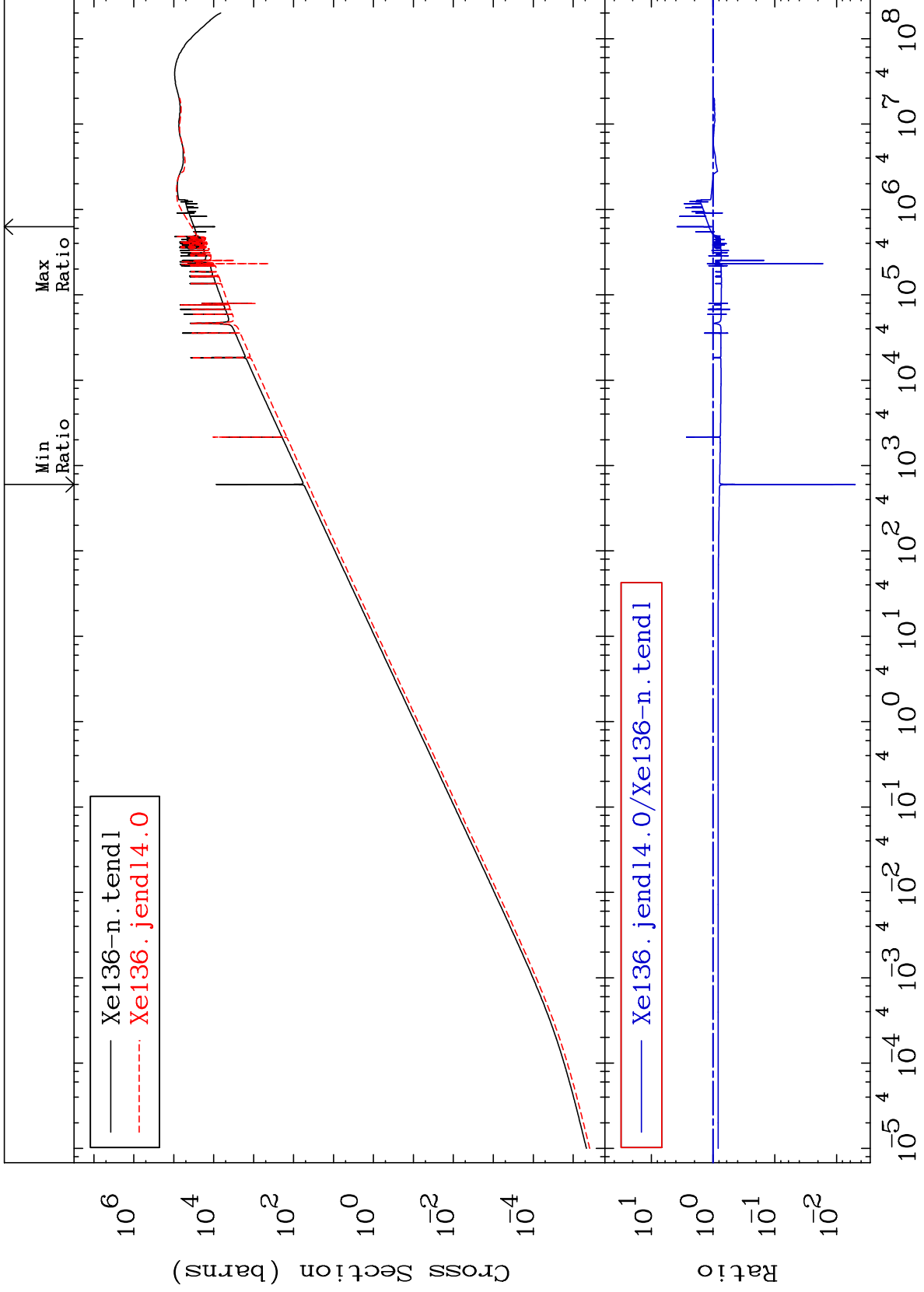
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma elastic
Cross Section

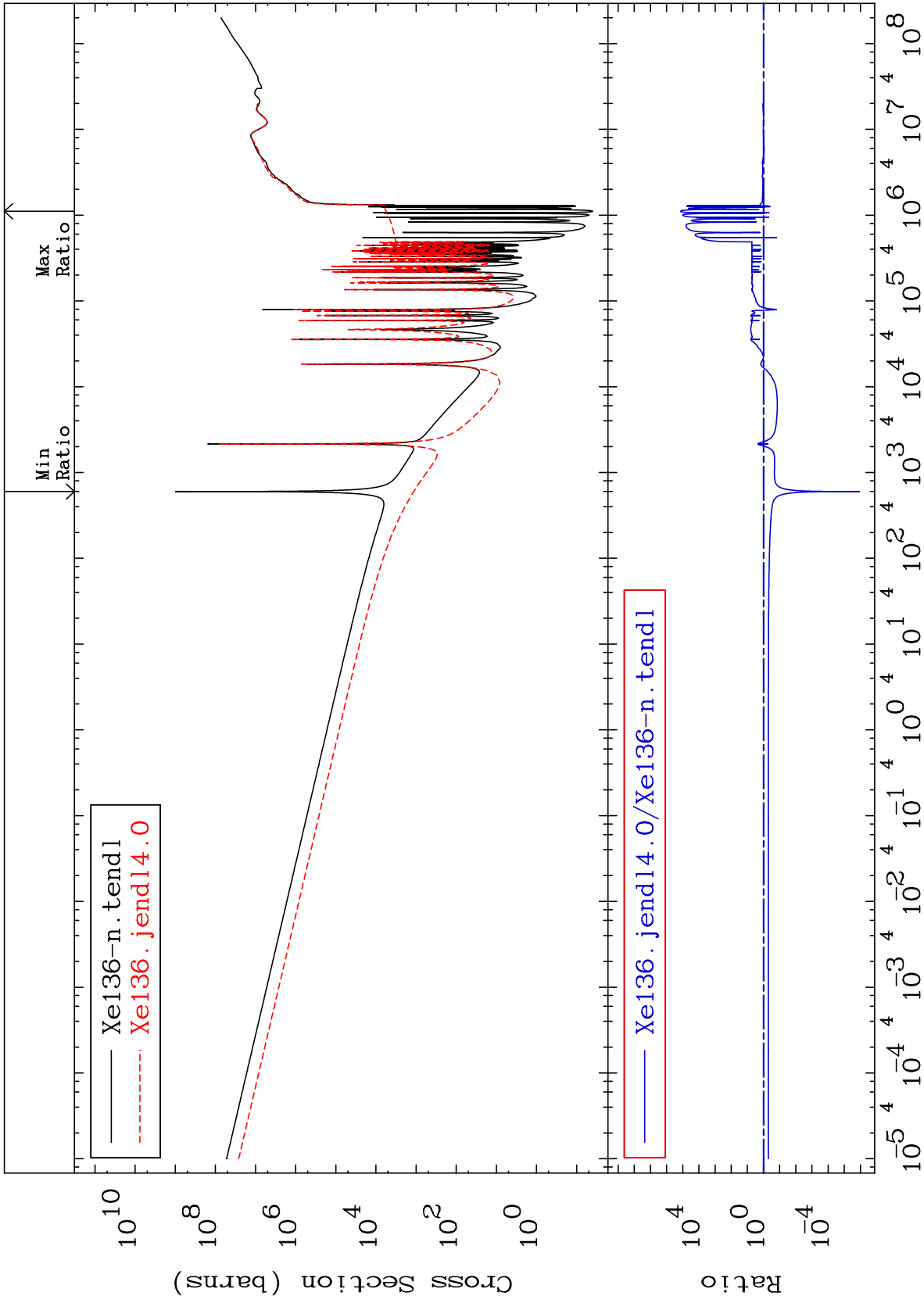
54-Xe-136
-99.50 To 285.2 %

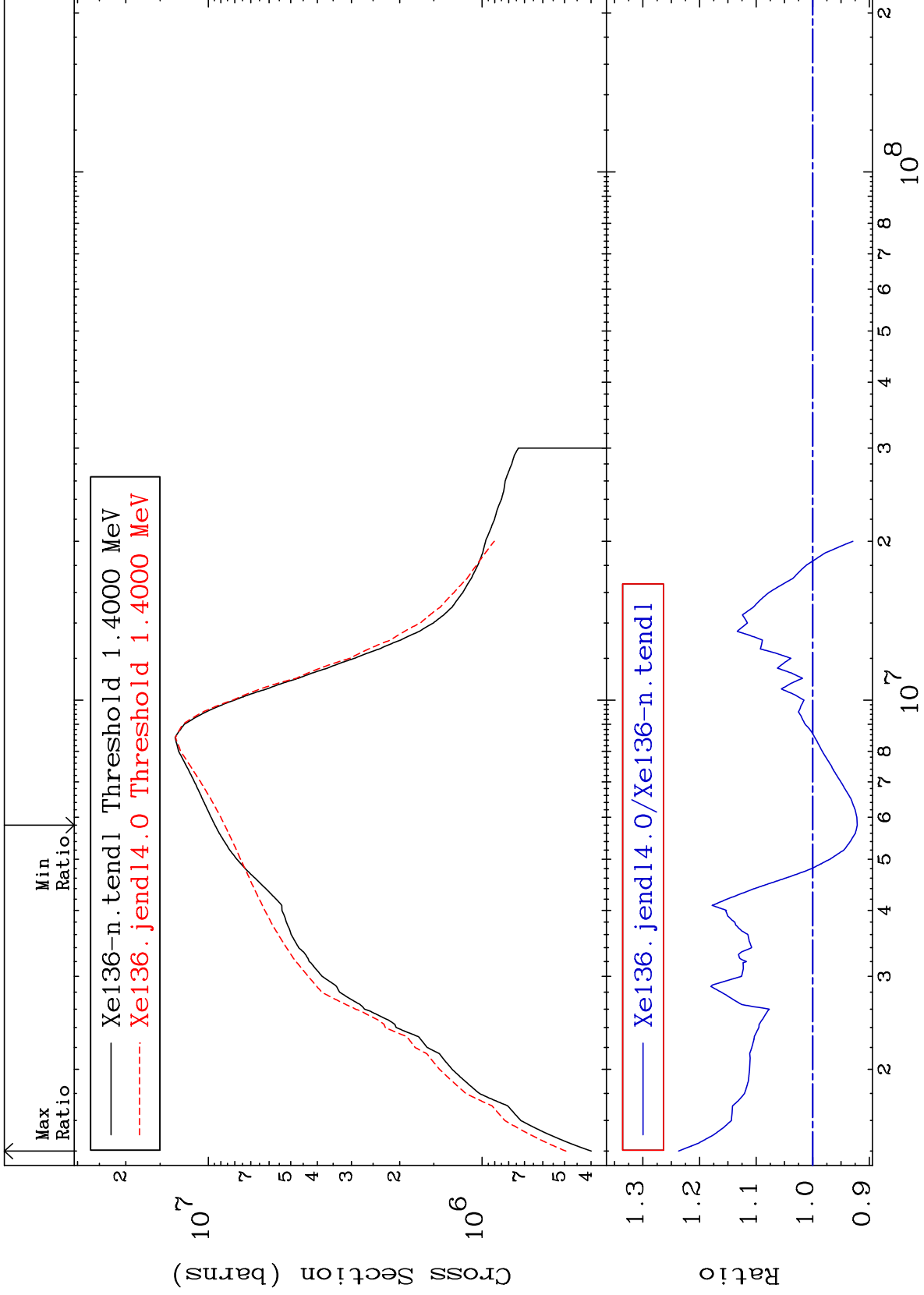


MAT 5461

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-136
-100.0 To 9999. %

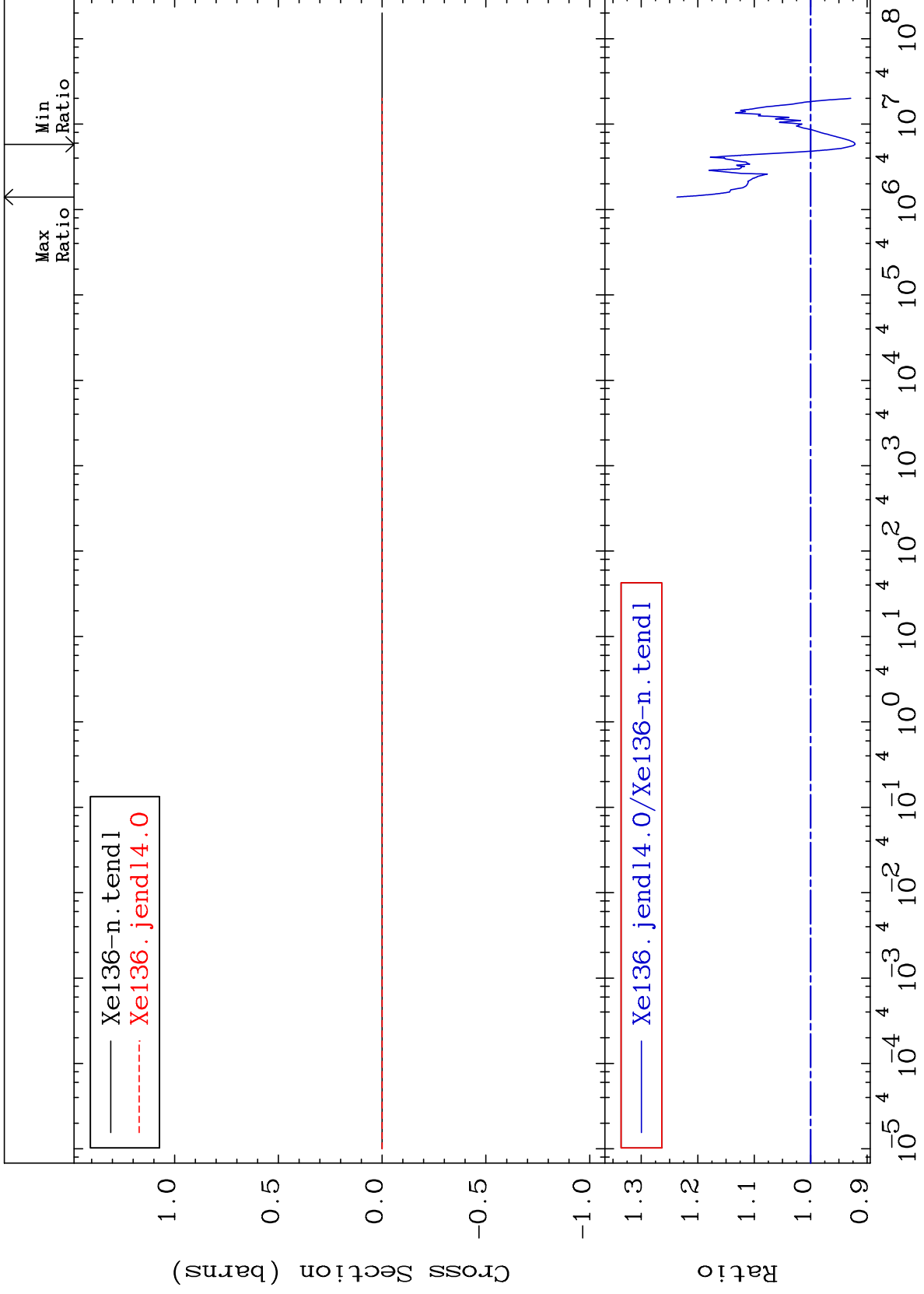




MAT 5461

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

54-Xe-136
-7.856 To 23.69 %



36

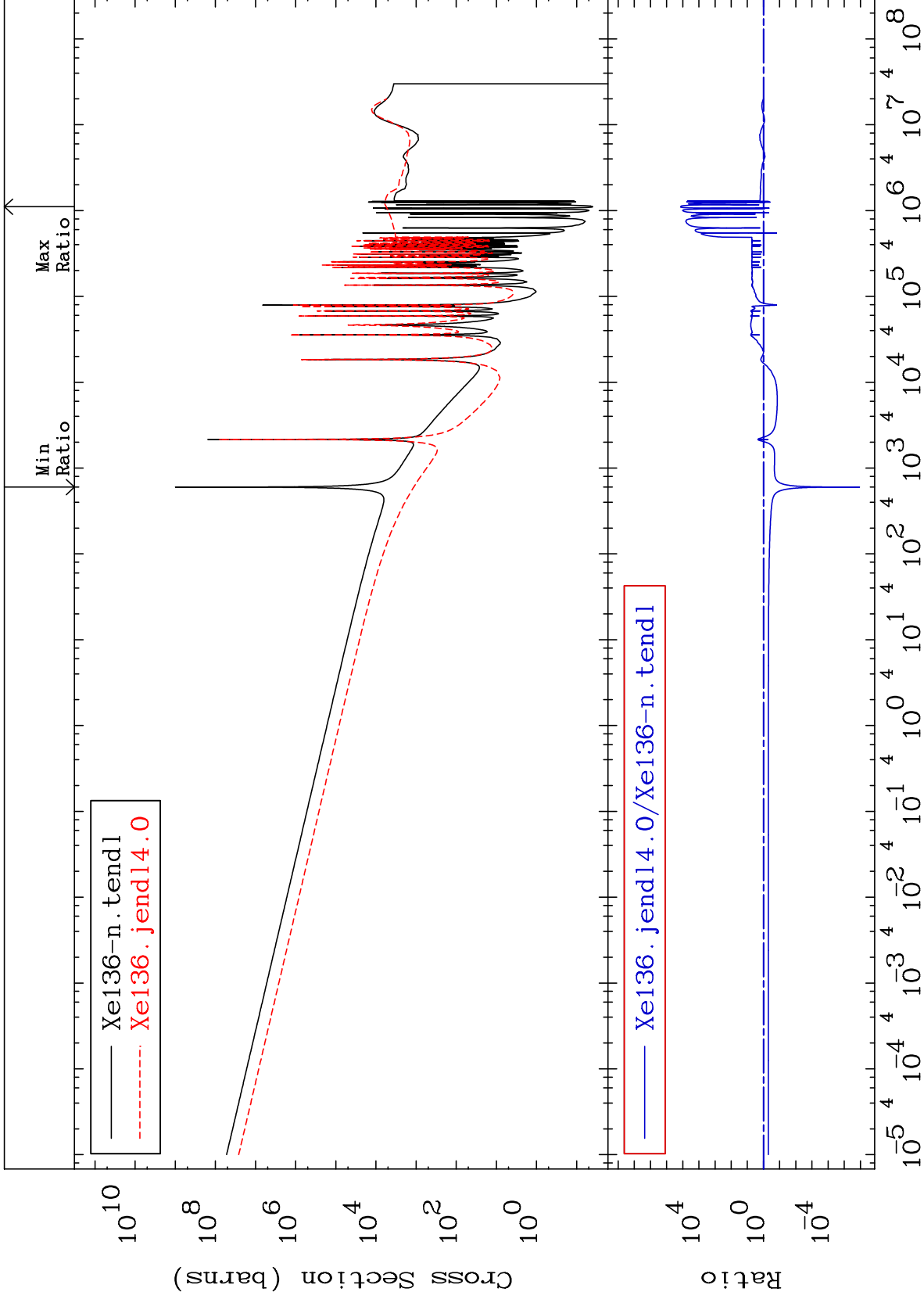
Incident Energy (eV)

54-Xe-136

MAT 5461

Kerma capture (mt102)
Cross Section

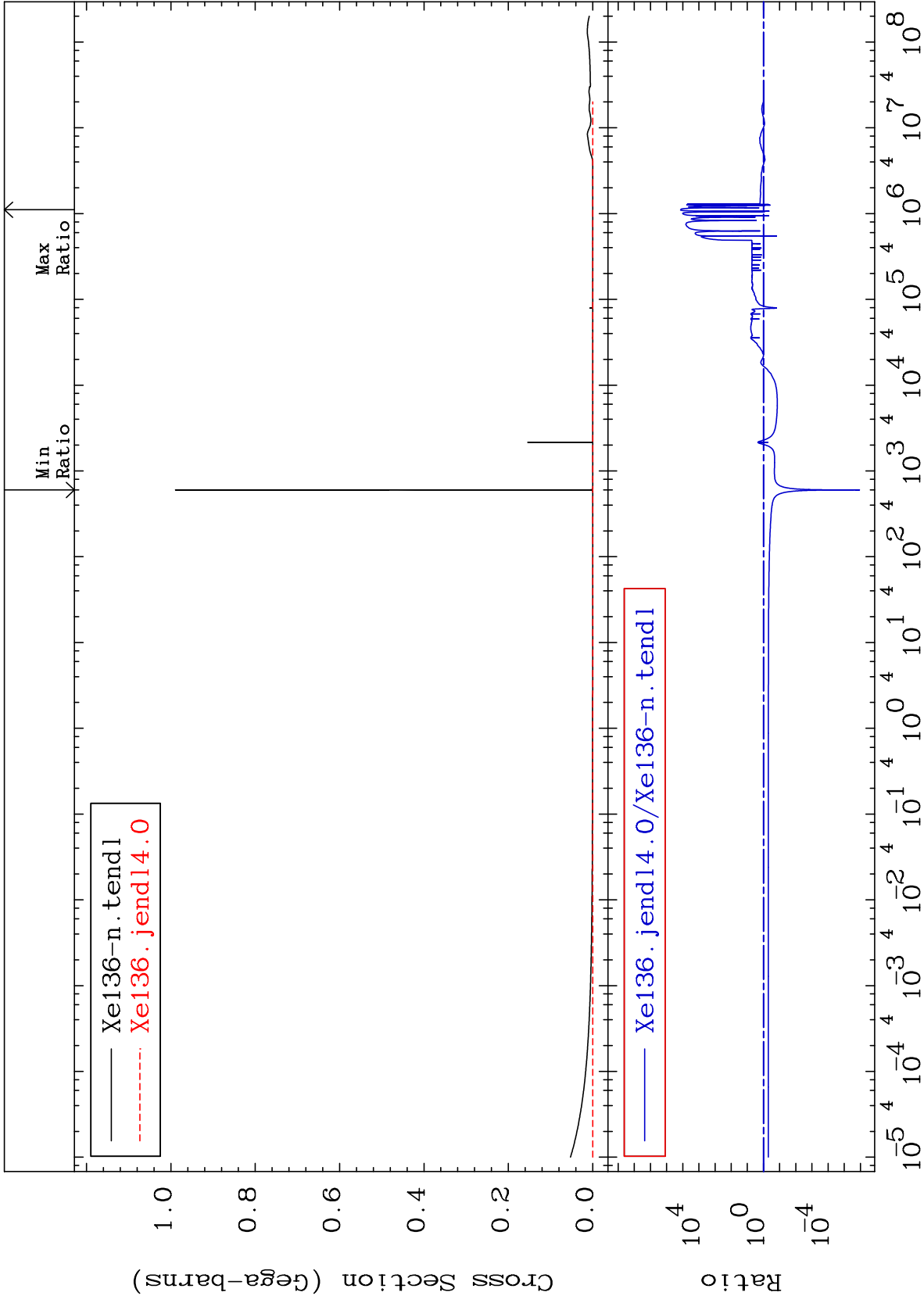
54-Xe-136
-100.0 To 9999. %



37

Incident Energy (eV)

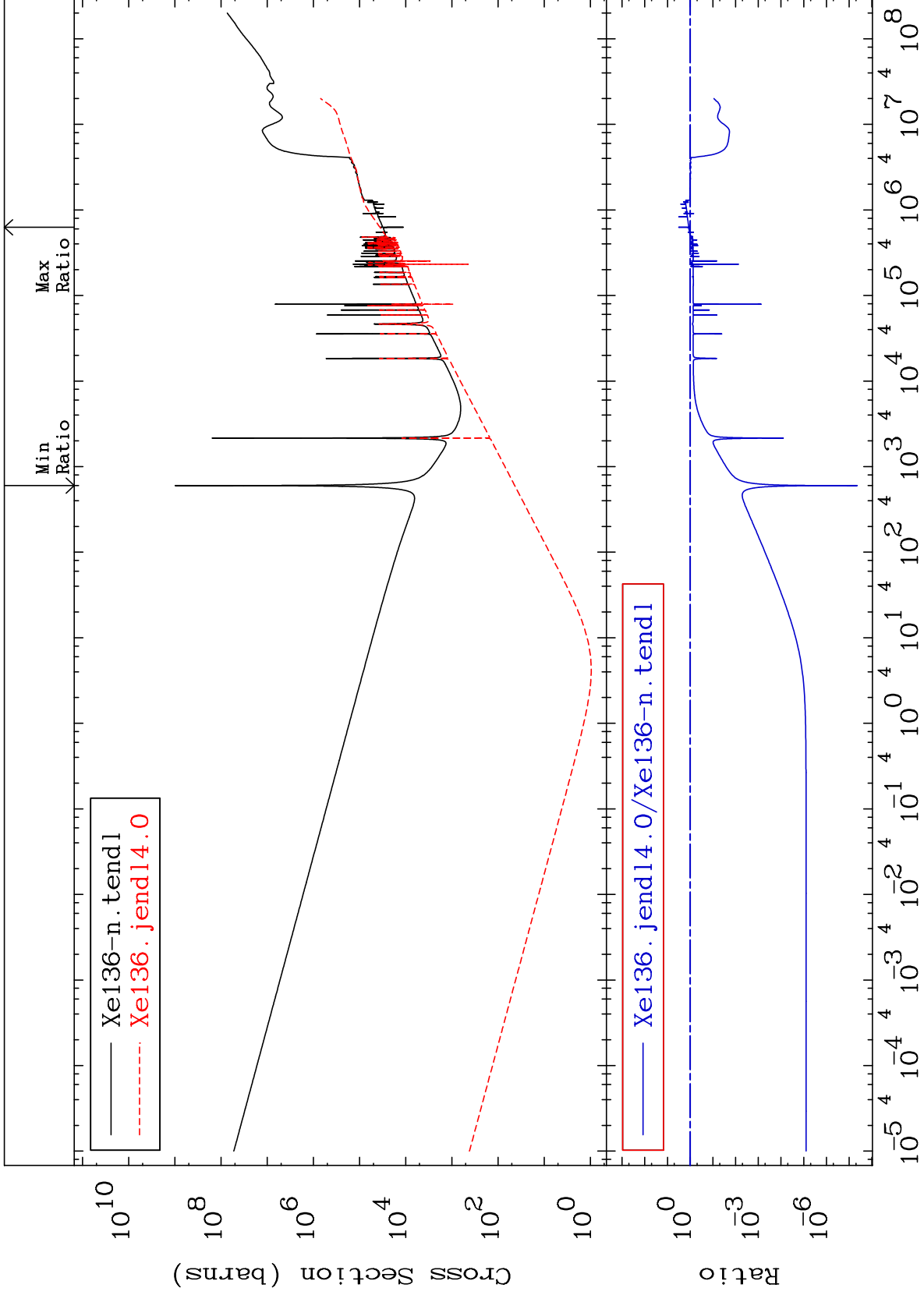
54-Xe-136



MAT 5461

Total kinematic kerma (high limit)
Cross Section

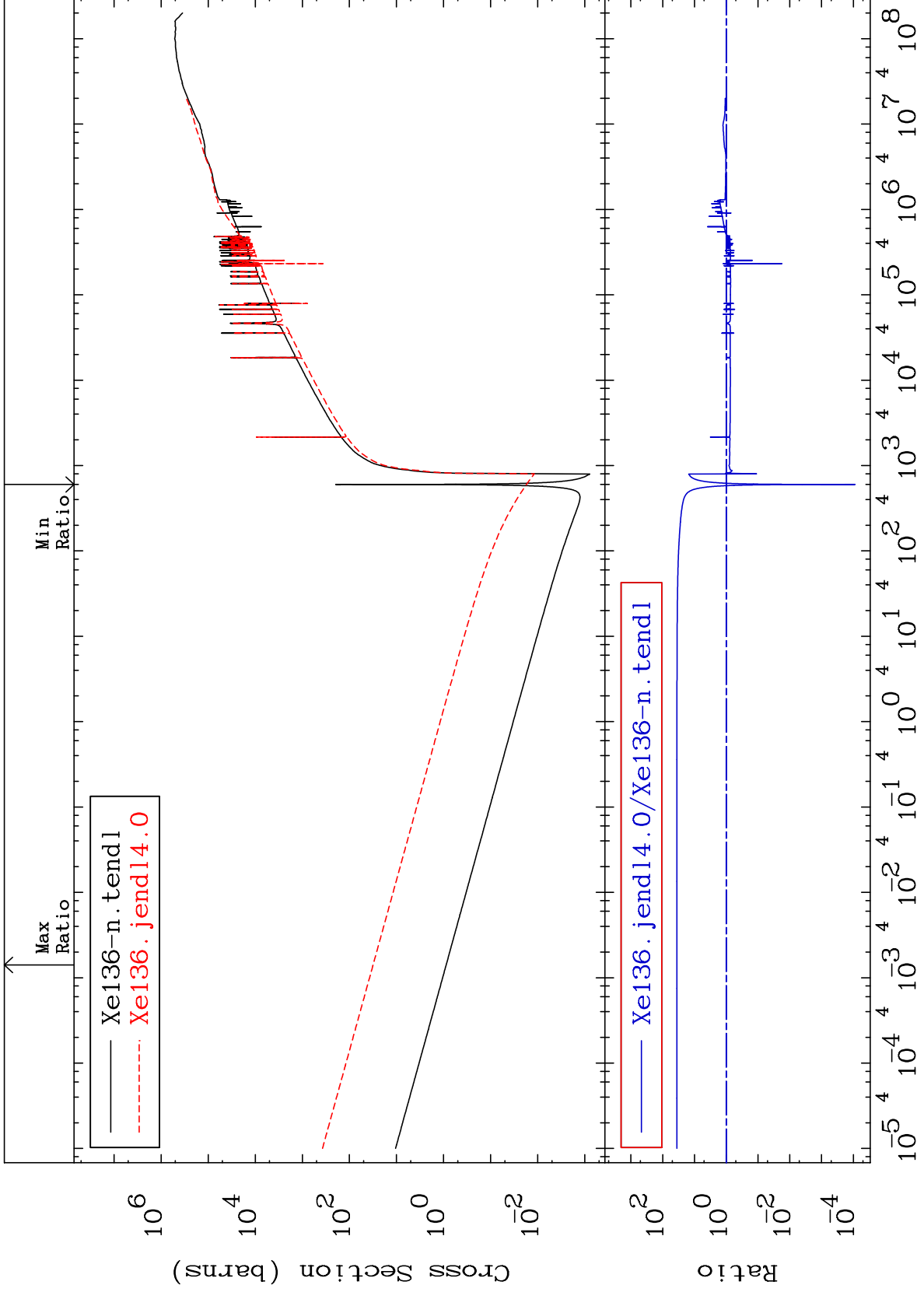
54-Xe-136
-100.0 To 222.5 %



MAT 5461

Dpa total (eV-barns)
Cross Section

54-Xe-136
-99.99 To 3463. %



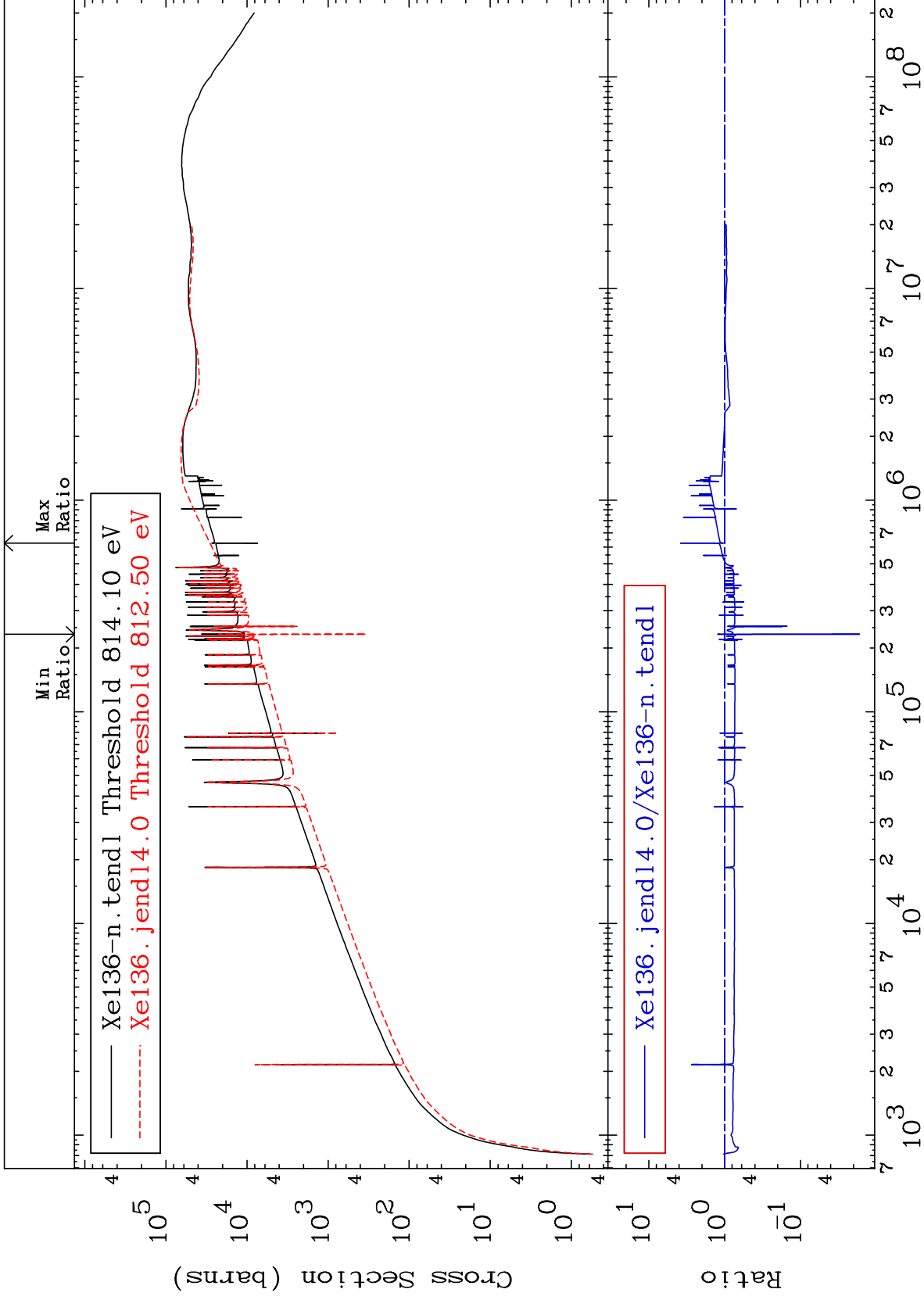
40

54-Xe-136

MAT 5461

Dpa elastic (mt2)
Cross Section

54-Xe-136
-98.33 To 285.0 %



41

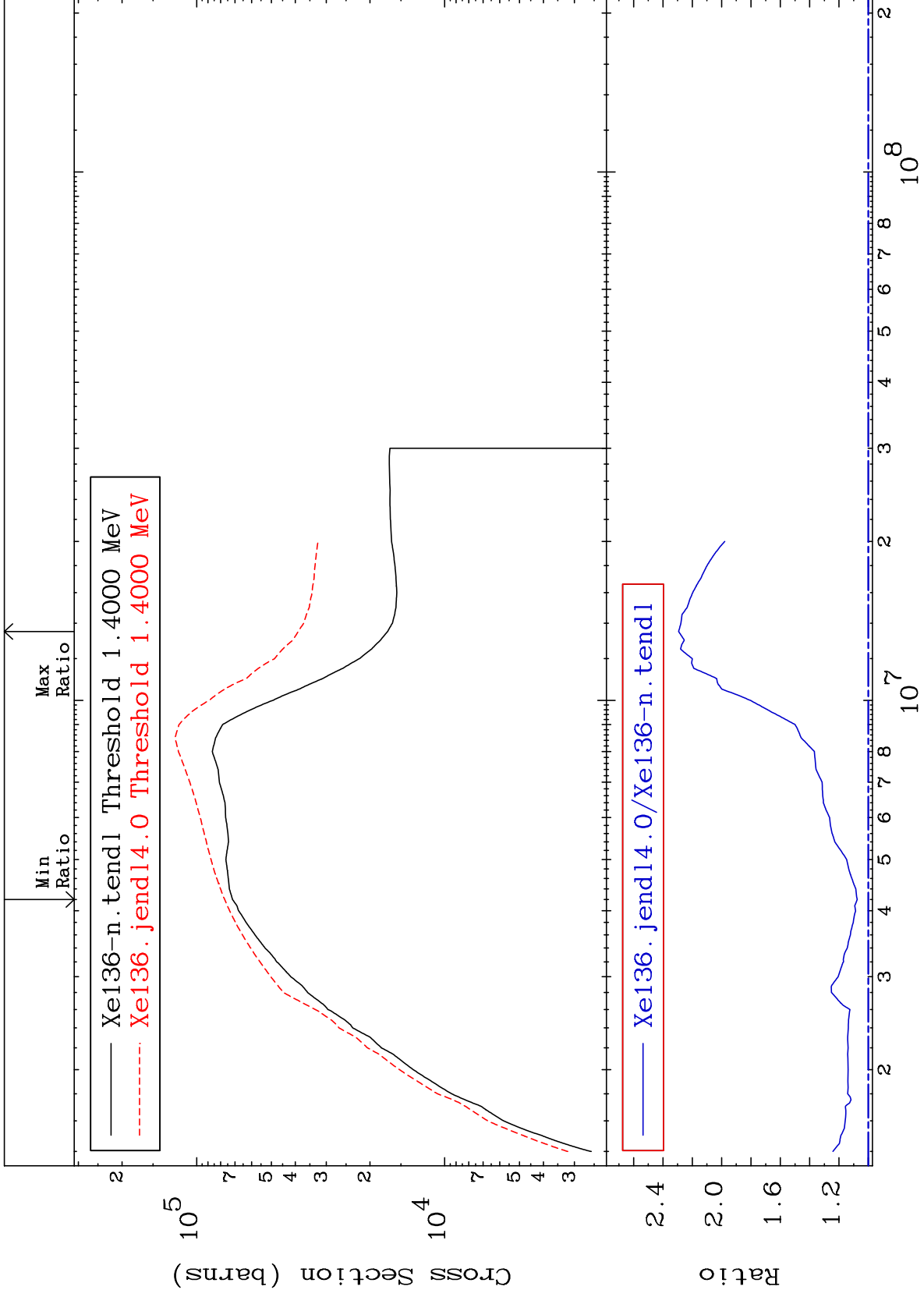
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa inelastic (mt51-91)
Cross Section

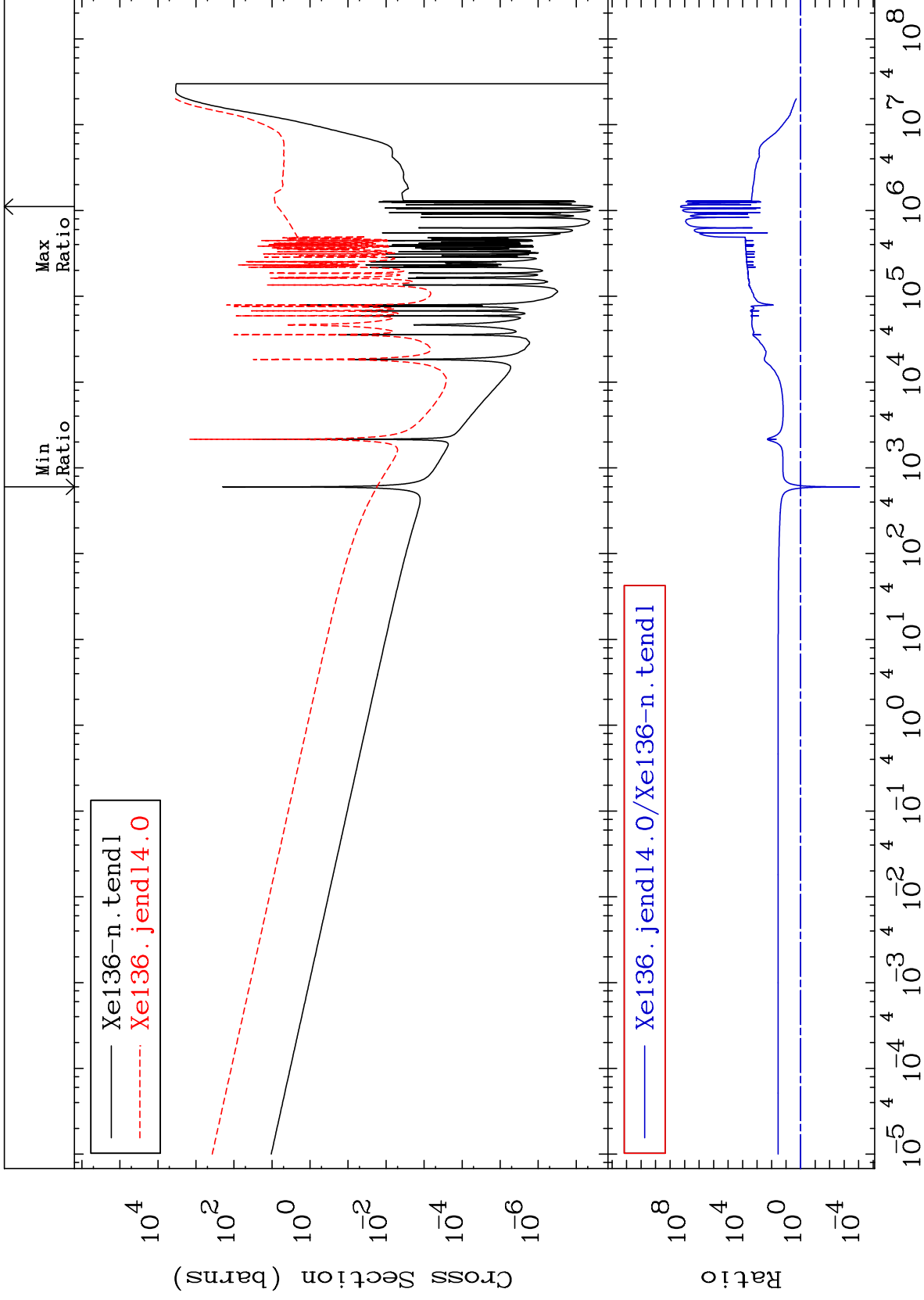
54-Xe-136
7.567 To 129.3 %



MAT 5461

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-136
-99.99 To 9999. %



43

Incident Energy (eV)

54-Xe-136