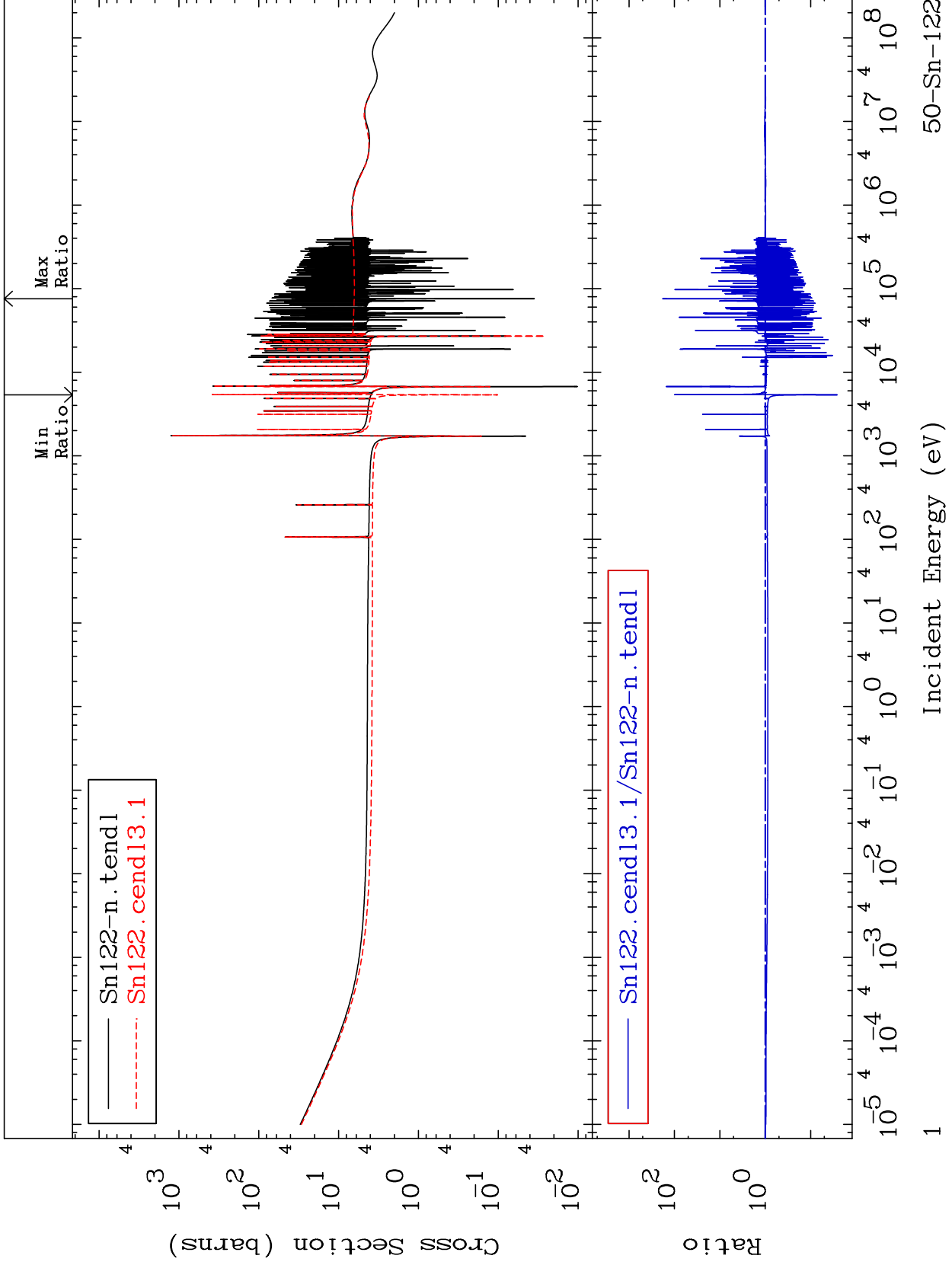


MAT 5055

Total
Cross Section

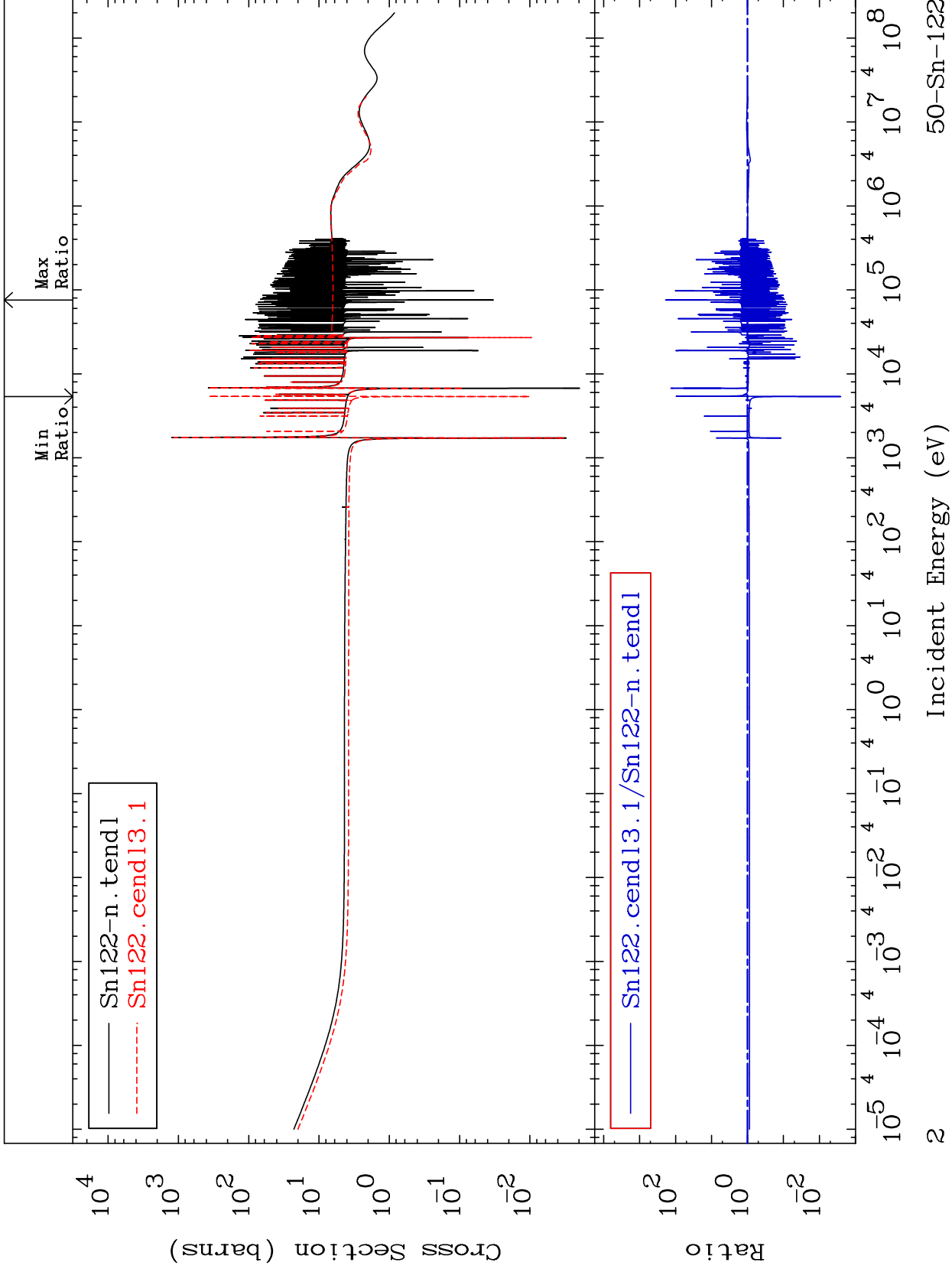
50-Sn-122
-97.41 To 9999. %



MAT 5055

Elastic
Cross Section

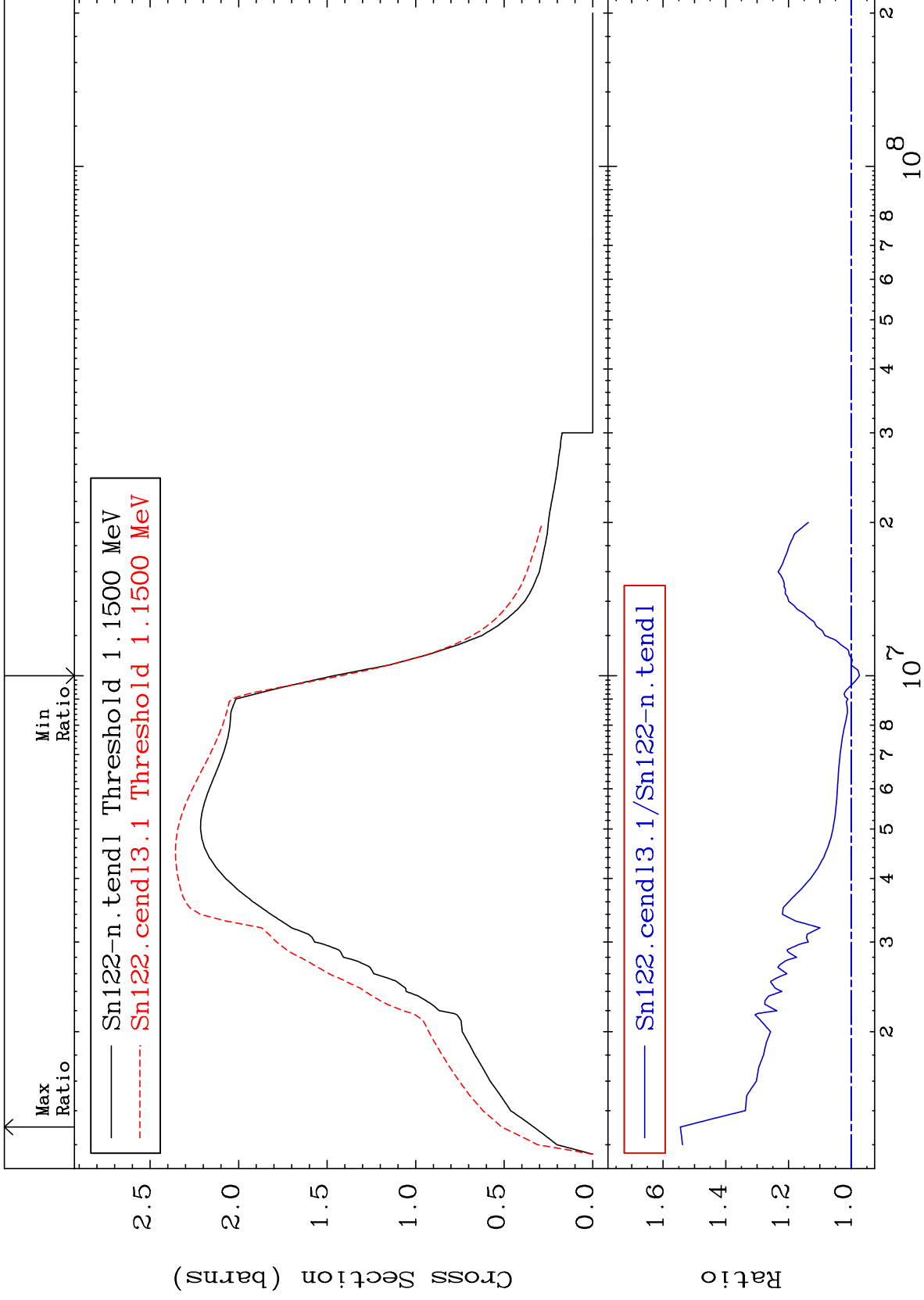
50-Sn-122
-99.74 To 9999. %



MAT 5055

Inelastic
Cross Section

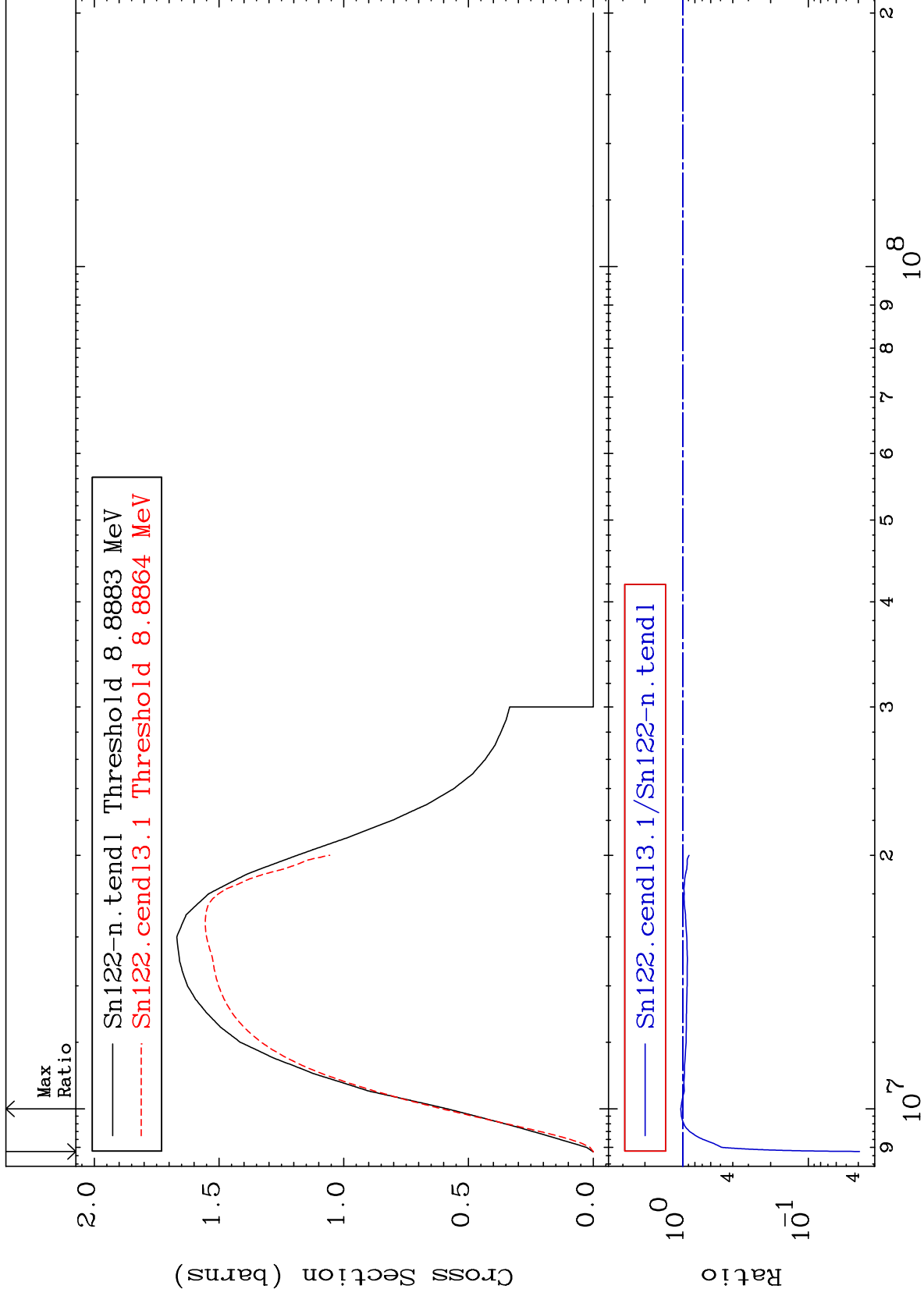
50-Sn-122
-2.638 To 54.49 %



MAT 5055

(n,2n)
Cross Section

50-Sn-122
-96.08 To 3.737 %



4

Incident Energy (eV)

50-Sn-122

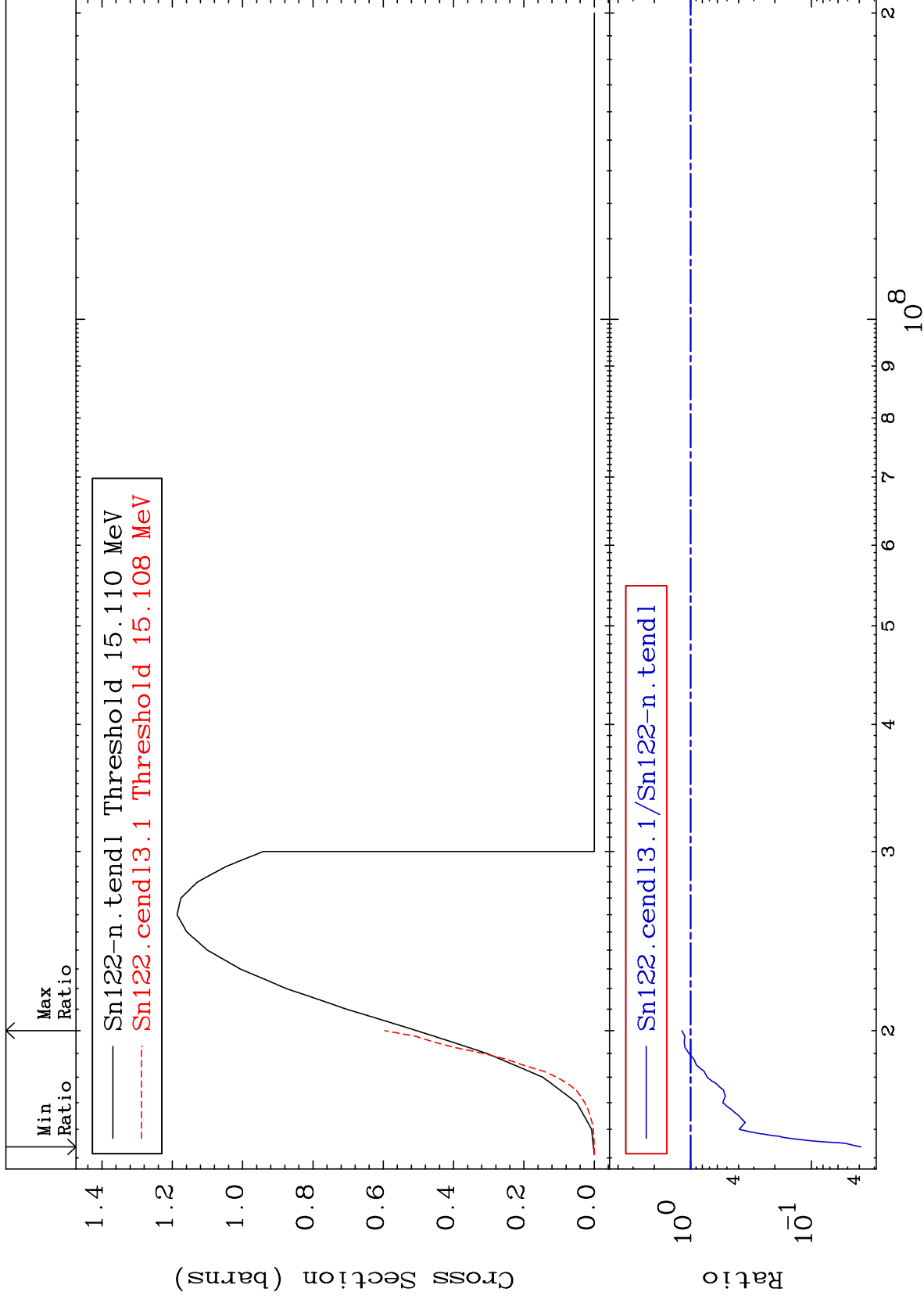
MAT 5055

(n,3n)

50-Sn-122

Cross Section

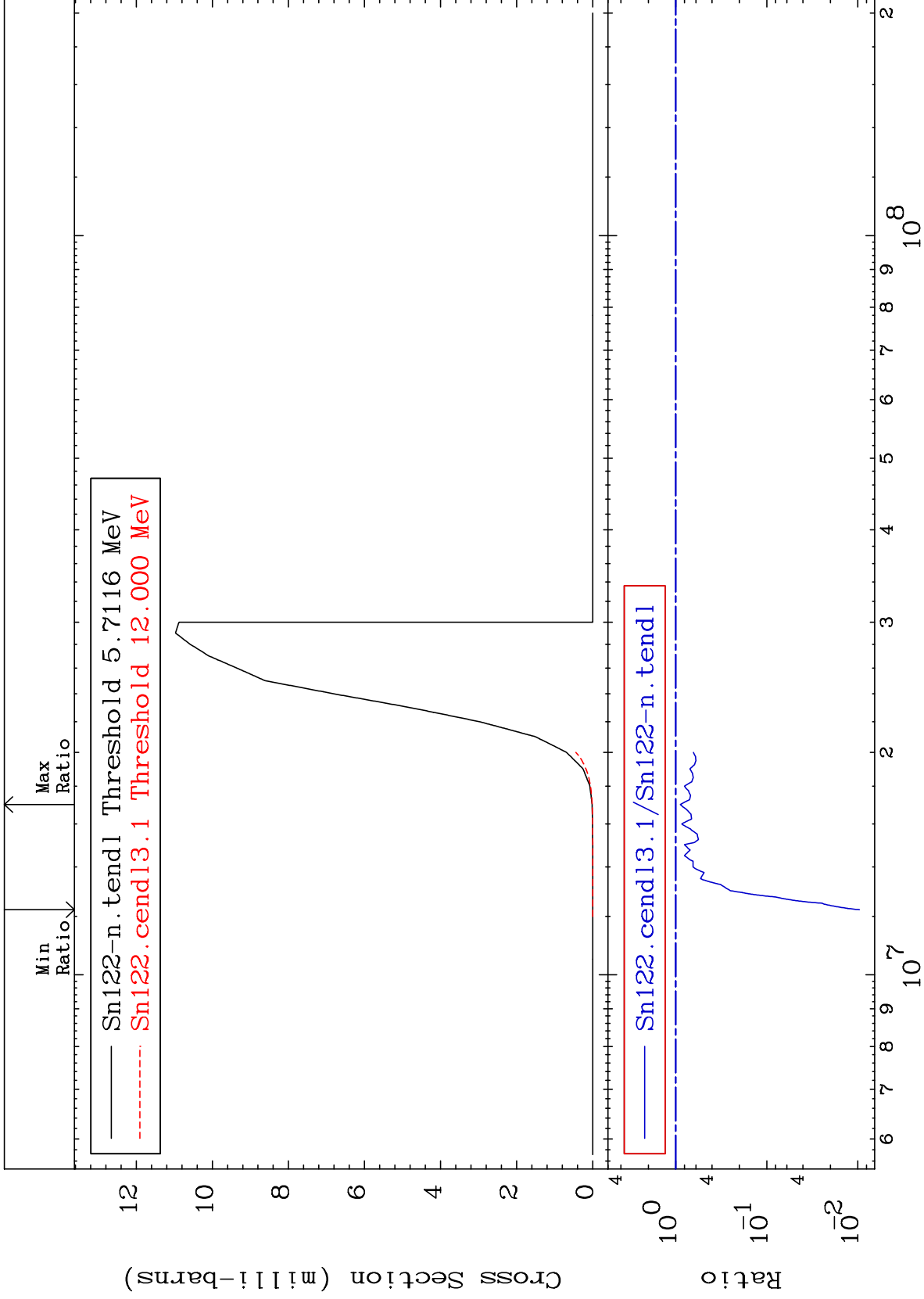
-96.13 To 18.07 %



MAT 5055

(n, n') α
Cross Section

50-Sn-122
-99.04 To -11.00%



6

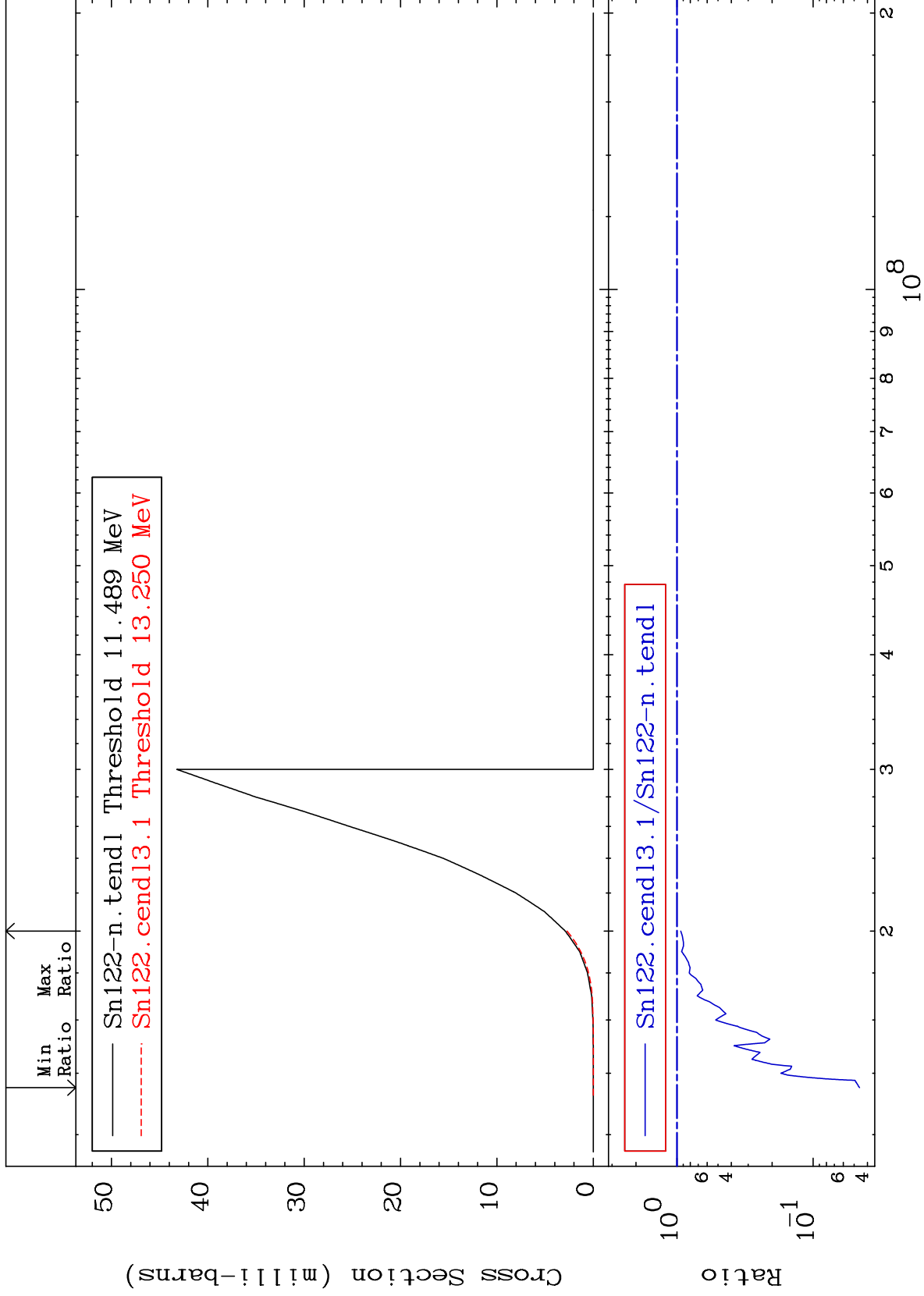
Incident Energy (eV)

50-Sn-122

MAT 5055

(n,n') p
Cross Section

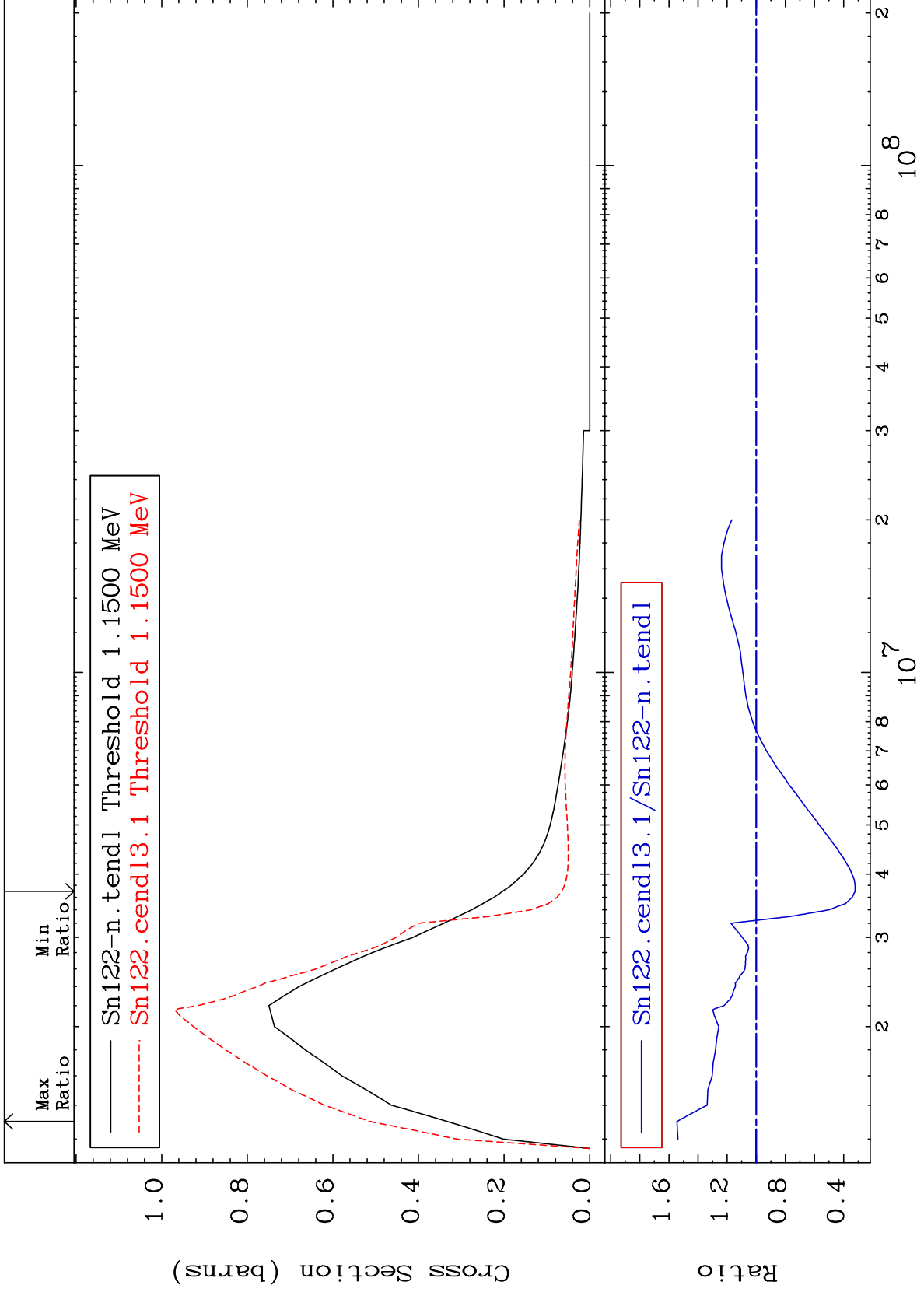
50-Sn-122
-95.44 To -6.101%



MAT 5055

1.141 MeV (n,n') Level
Cross Section

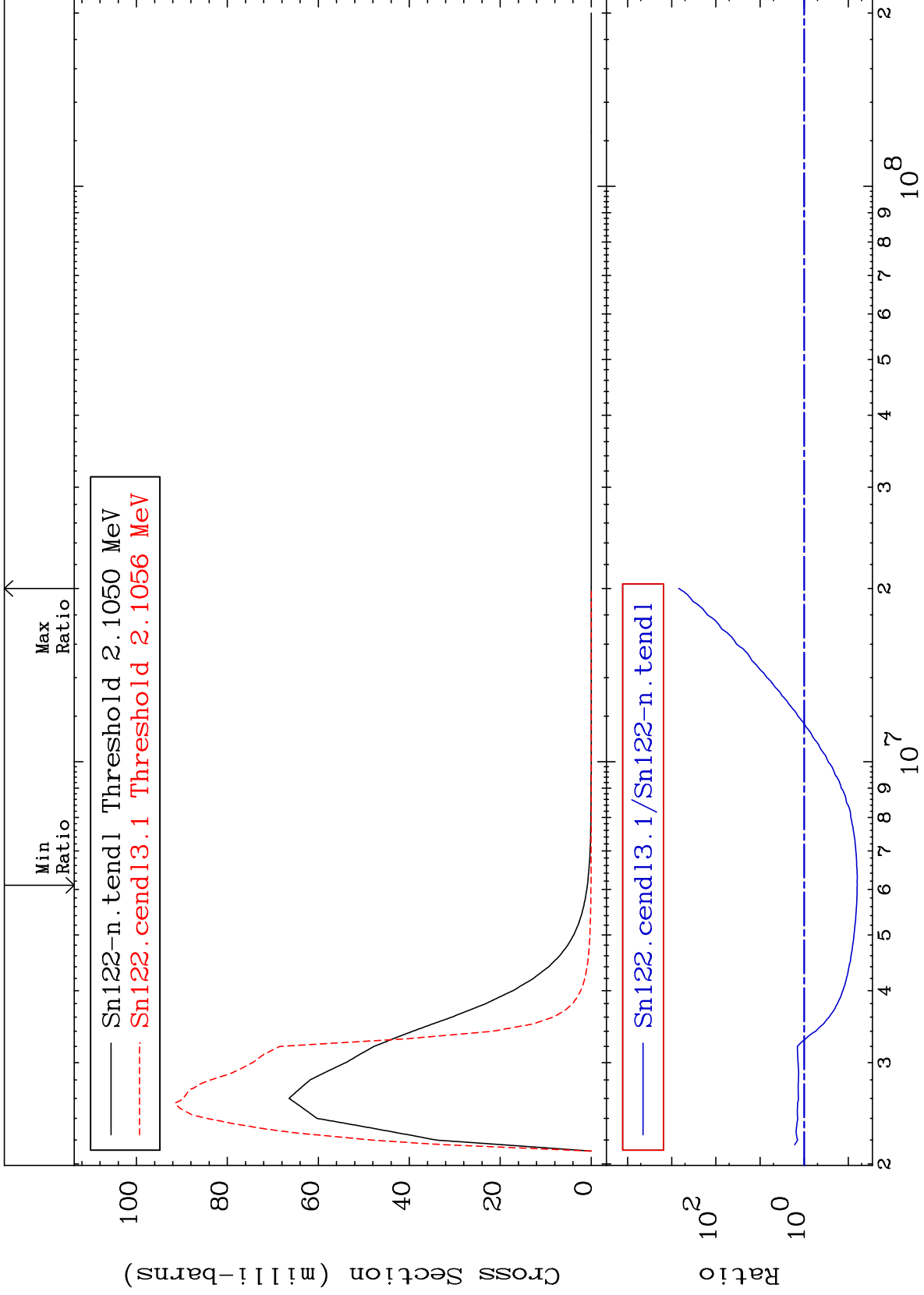
50-Sn-122
-67.91 To 54.49 %



MAT 5055

2.088 MeV (n,n') Level
Cross Section

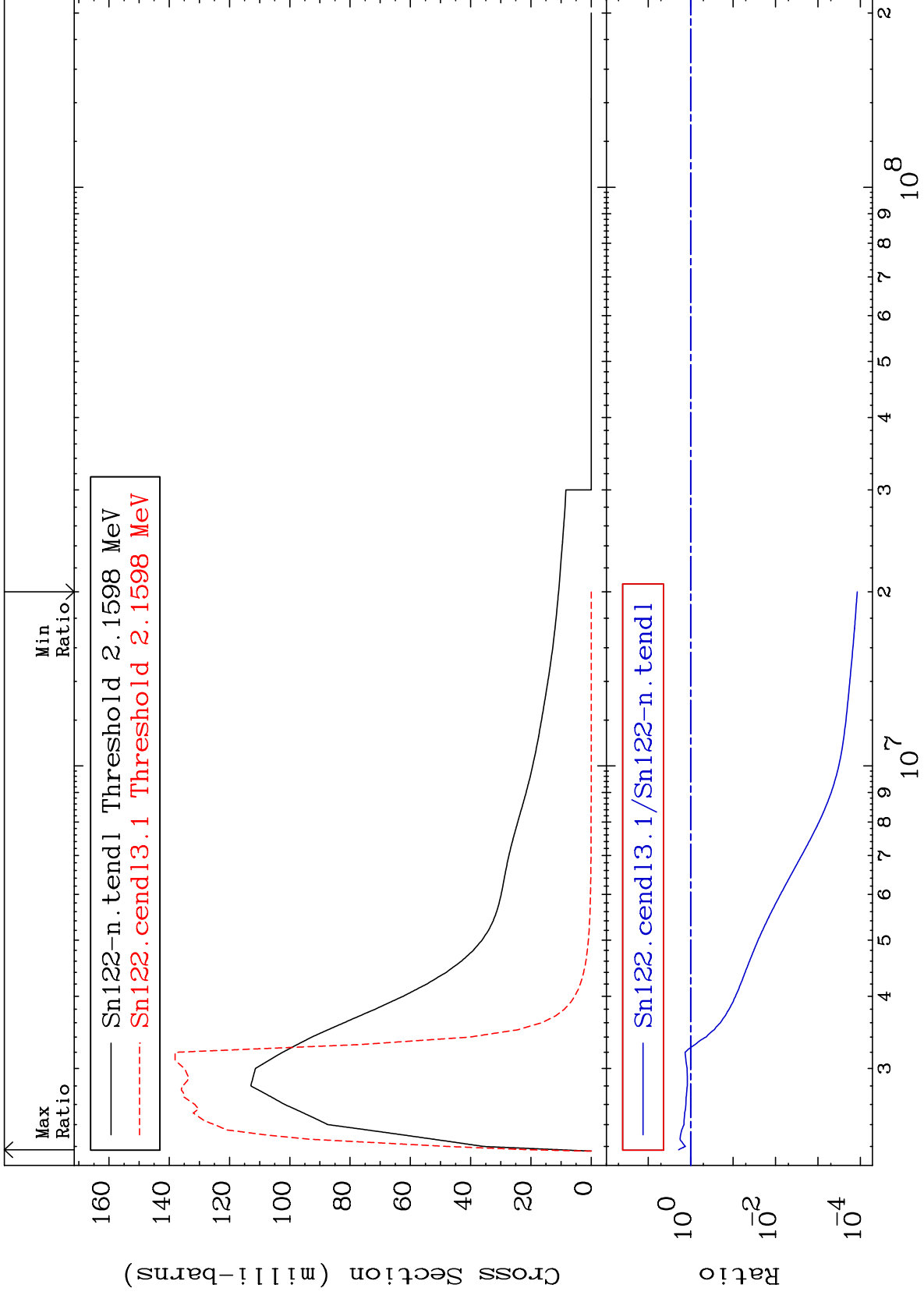
50-Sn-122
-93.69 To 9999. %



MAT 5055

2.142 MeV (n,n') Level
Cross Section

50-Sn-122
-99.99 To 91.79 %



10

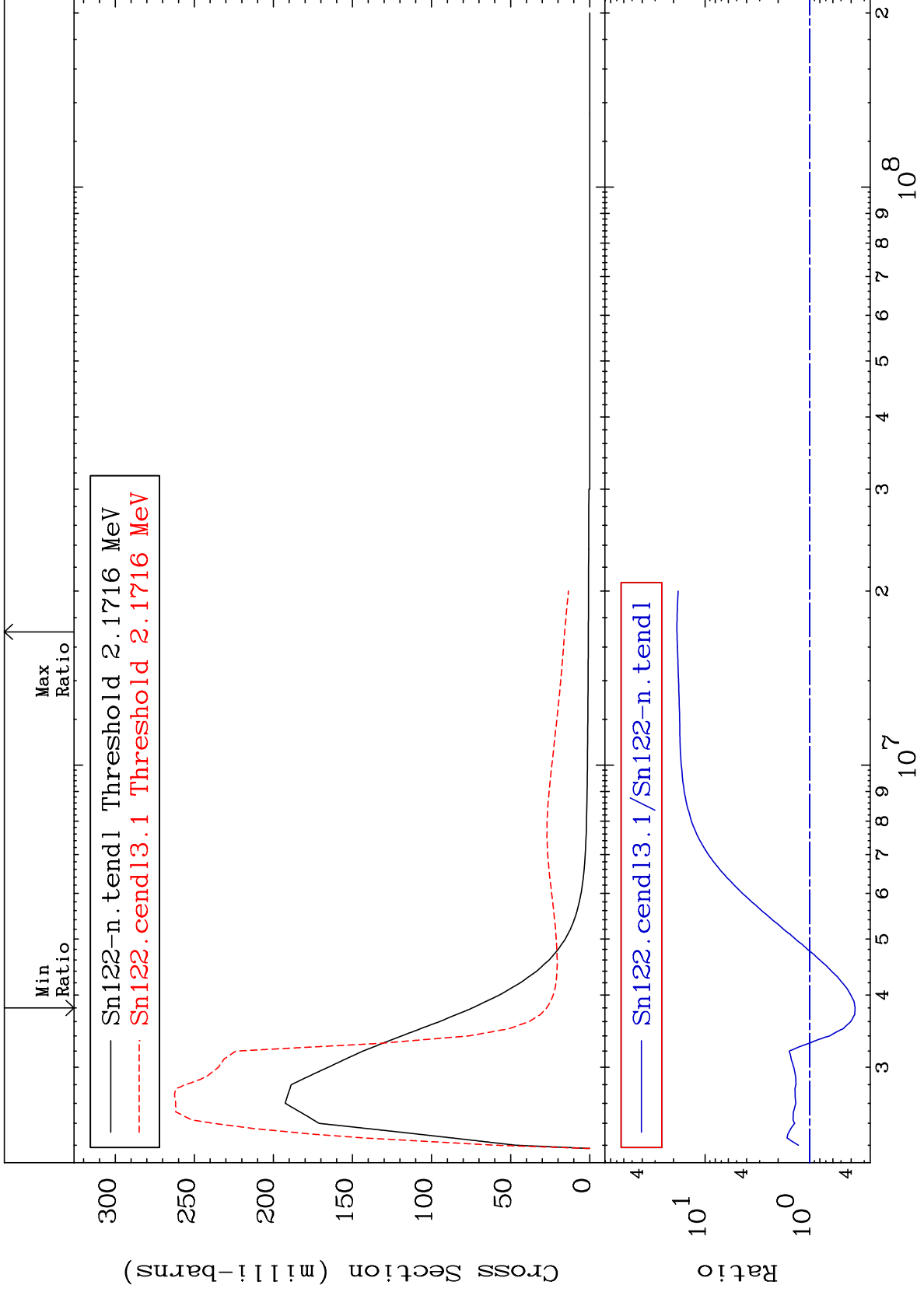
Incident Energy (eV)

50-Sn-122

MAT 5055

2.154 MeV (n,n') Level
Cross Section

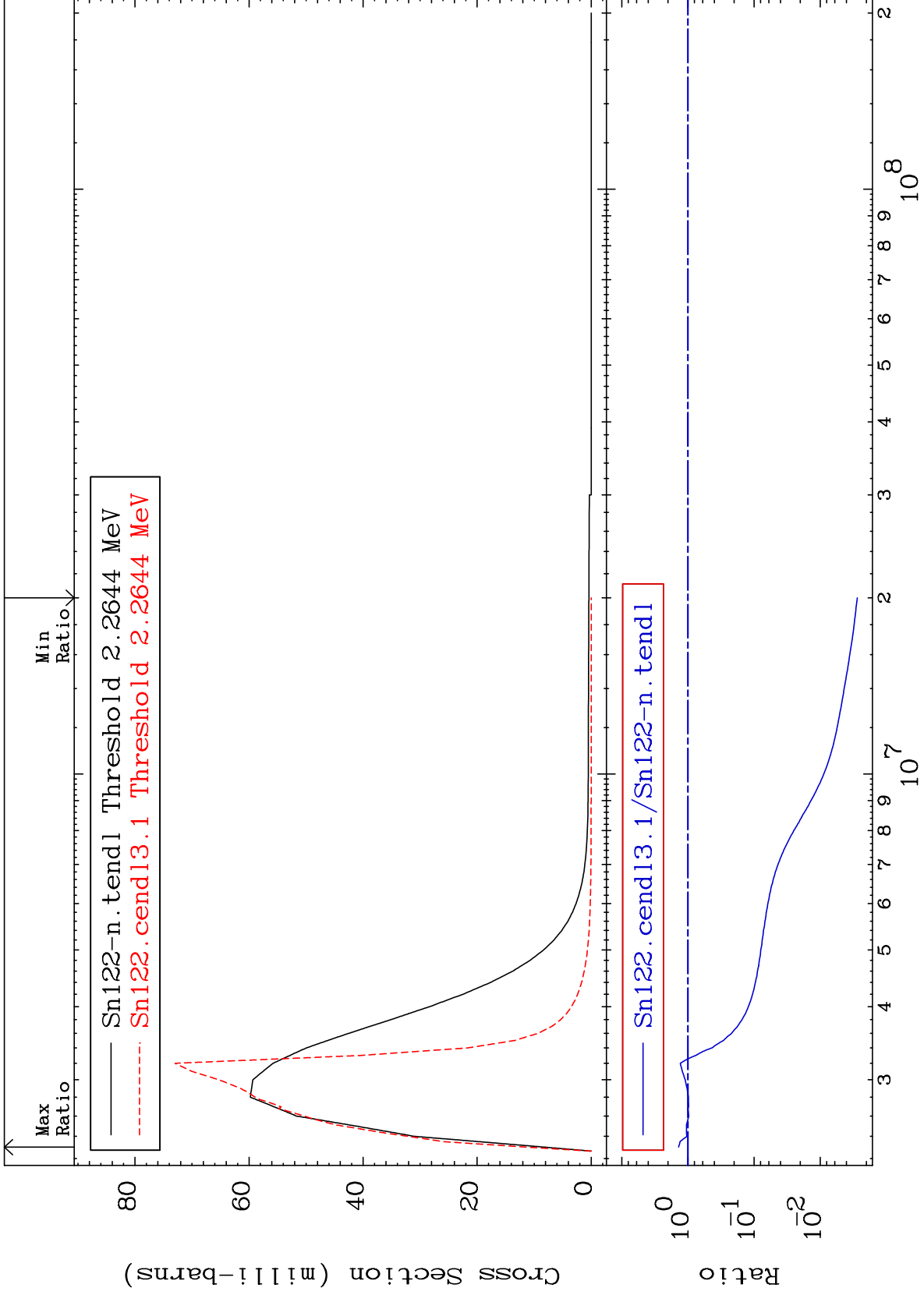
50-Sn-122
-63.28 To 1759. %



MAT 5055

2.246 MeV (n,n') Level
Cross Section

50-Sn-122
-99.72 To 38.39 %



12

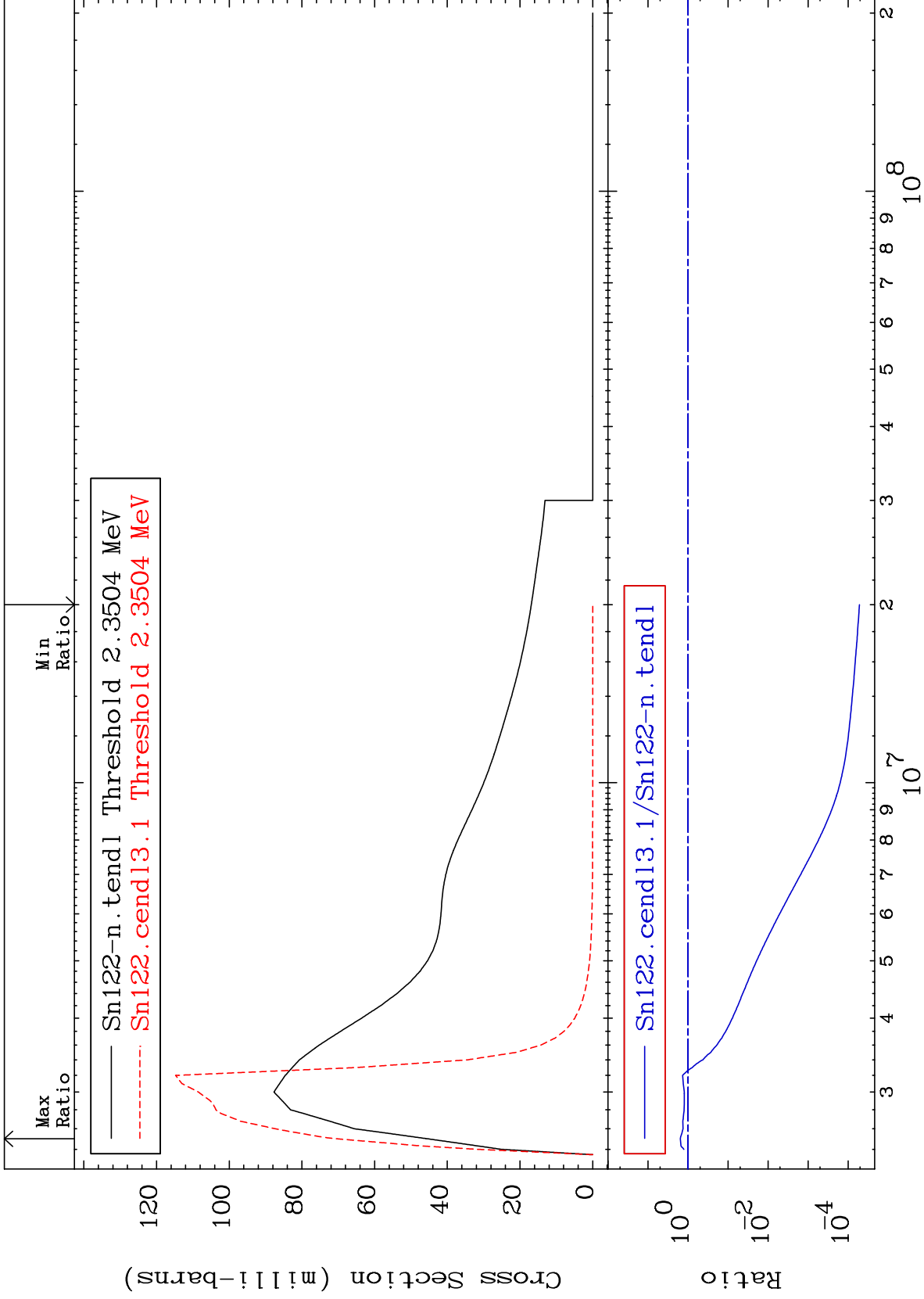
Incident Energy (eV)

50-Sn-122

MAT 5055

2.331 MeV (n,n') Level
Cross Section

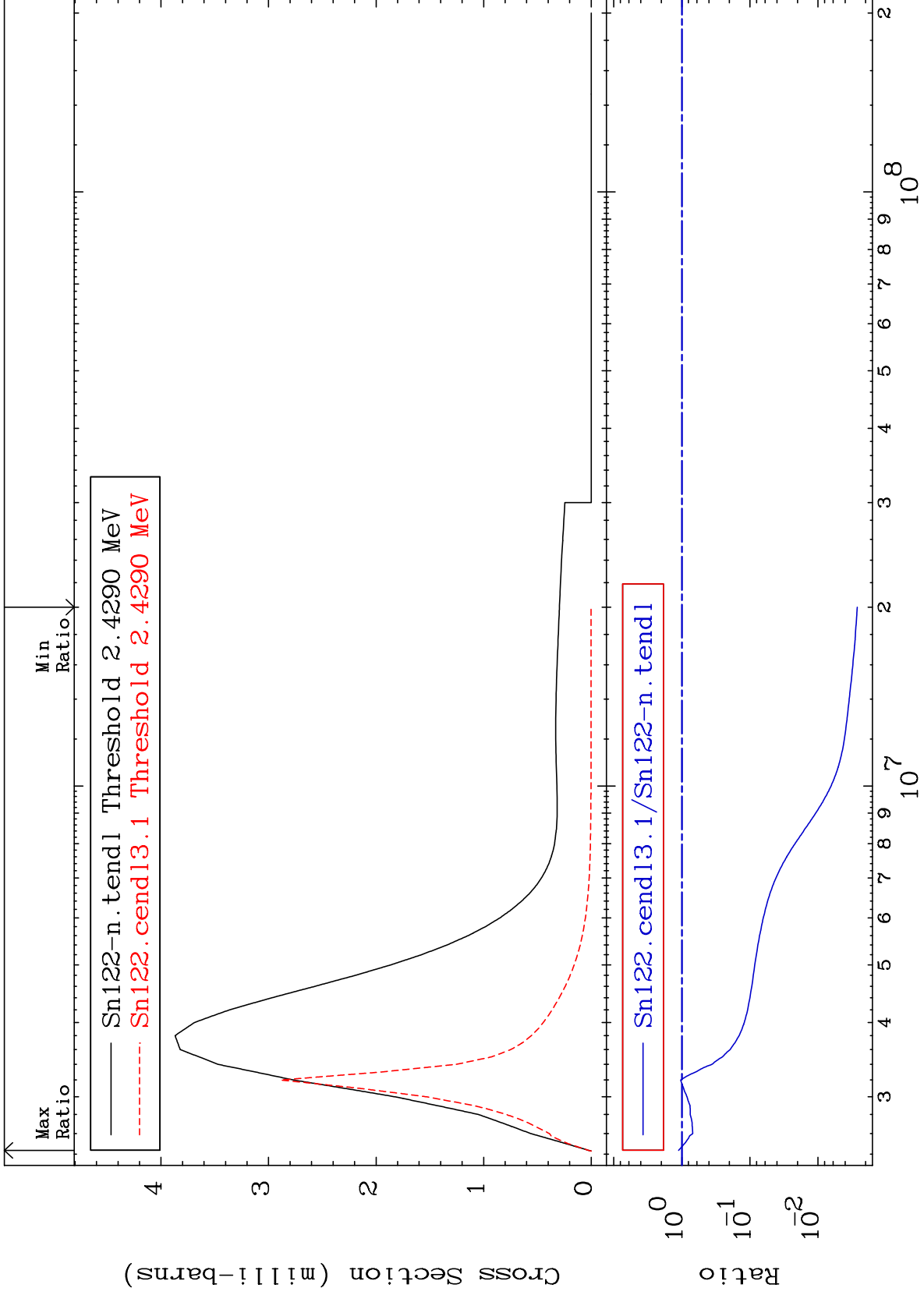
50-Sn-122
-99.99 To 55.03 %



MAT 5055

2.409 MeV (n,n') Level
Cross Section

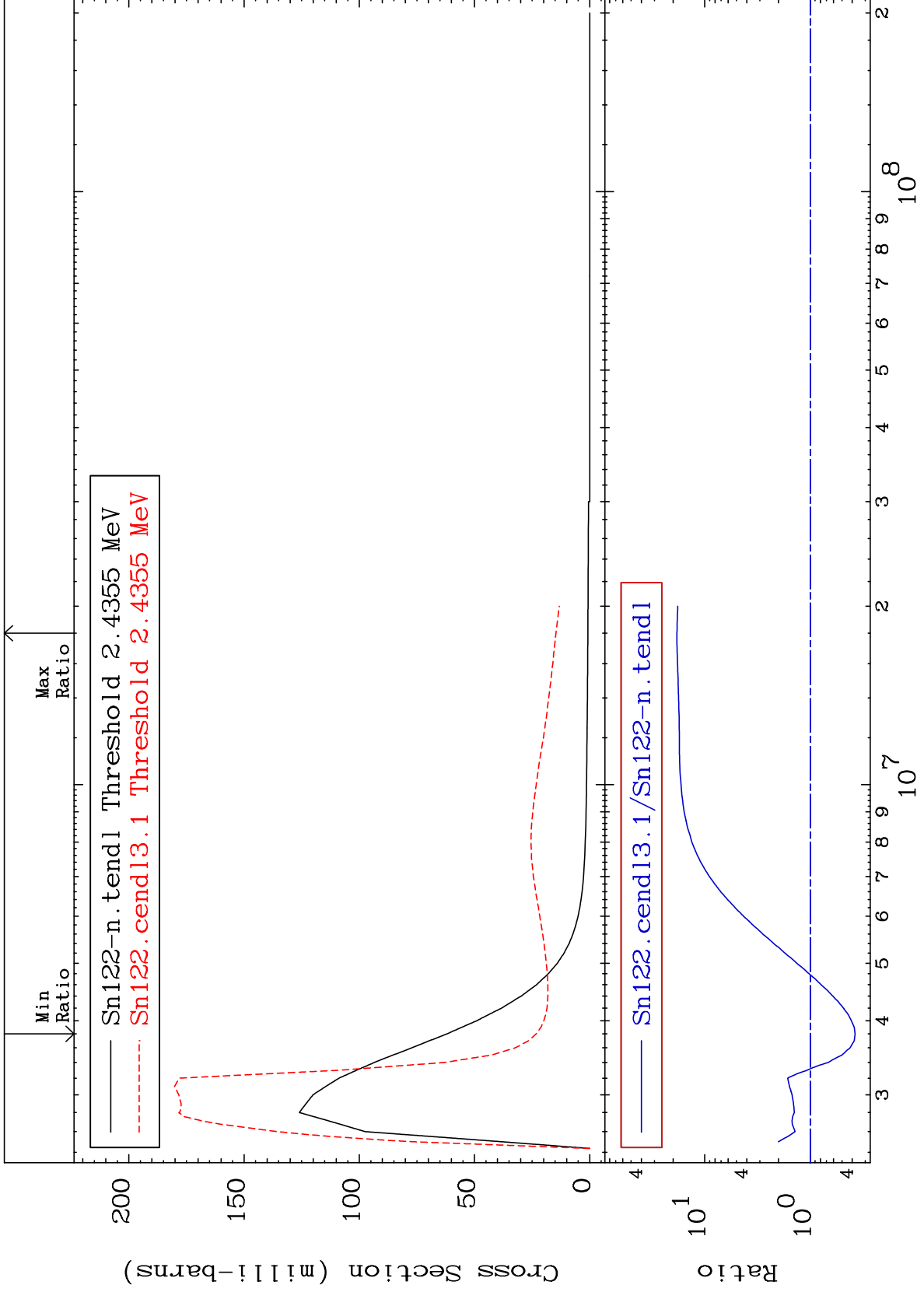
50-Sn-122
-99.73 To 11.37 %



MAT 5055

2.416 MeV (n,n') Level
Cross Section

50-Sn-122
-62.50 To 1738. %

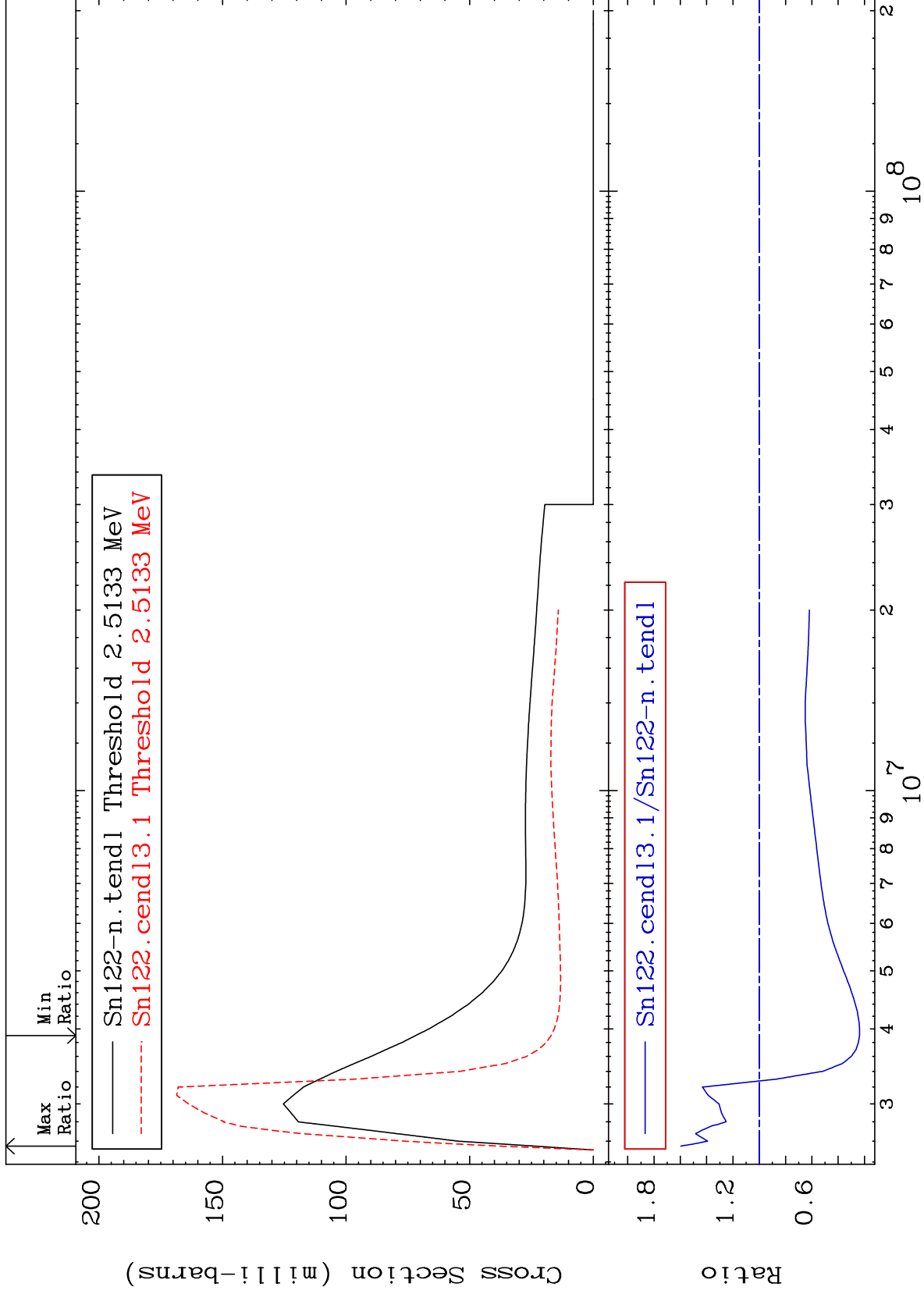


15

MAT 5055

2.493 MeV (n,n') Level
Cross Section

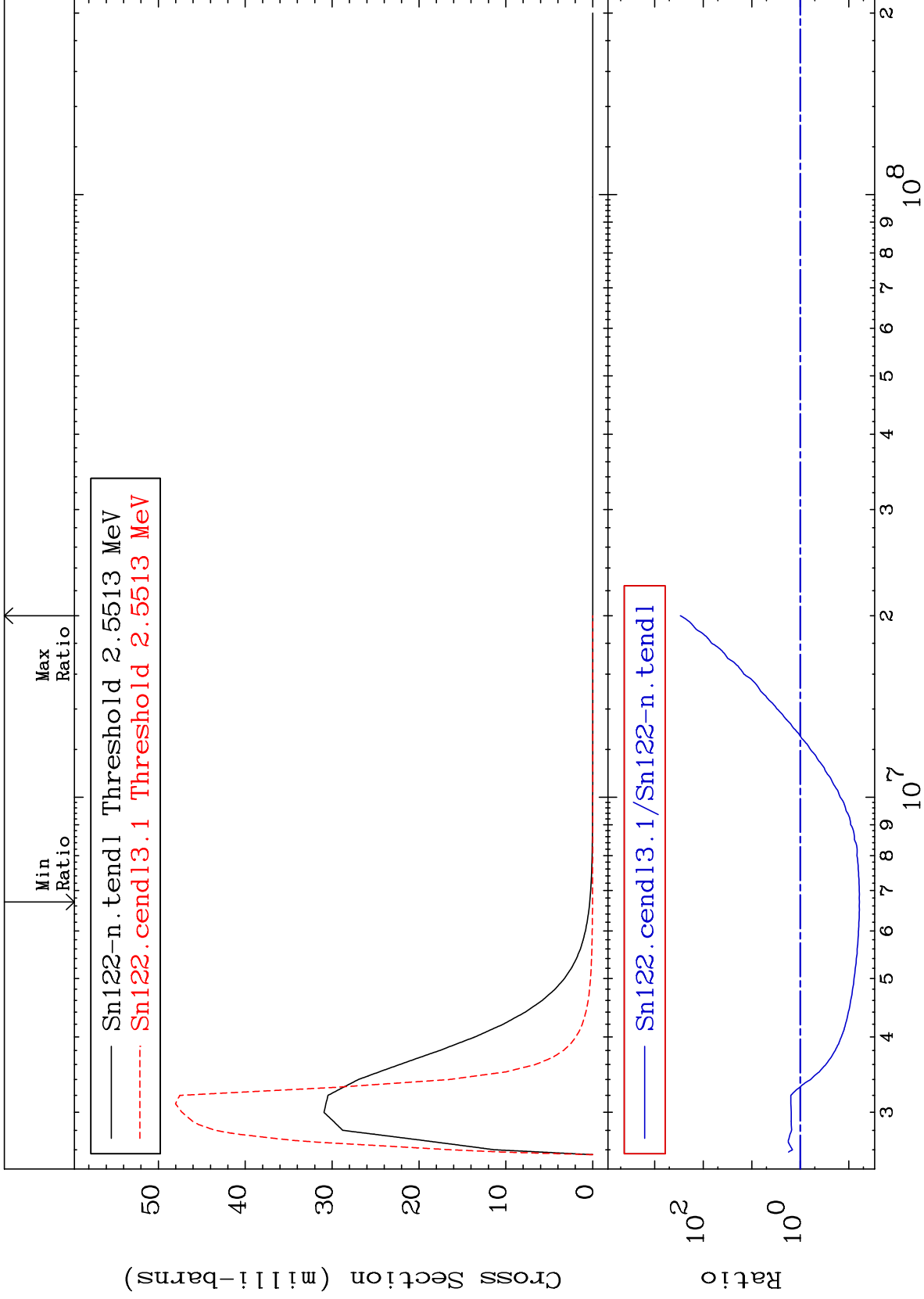
50-Sn-122
-76.27 To 59.66 %



MAT 5055

2.530 MeV (n,n') Level
Cross Section

50-Sn-122
-93.96 To 9999. %

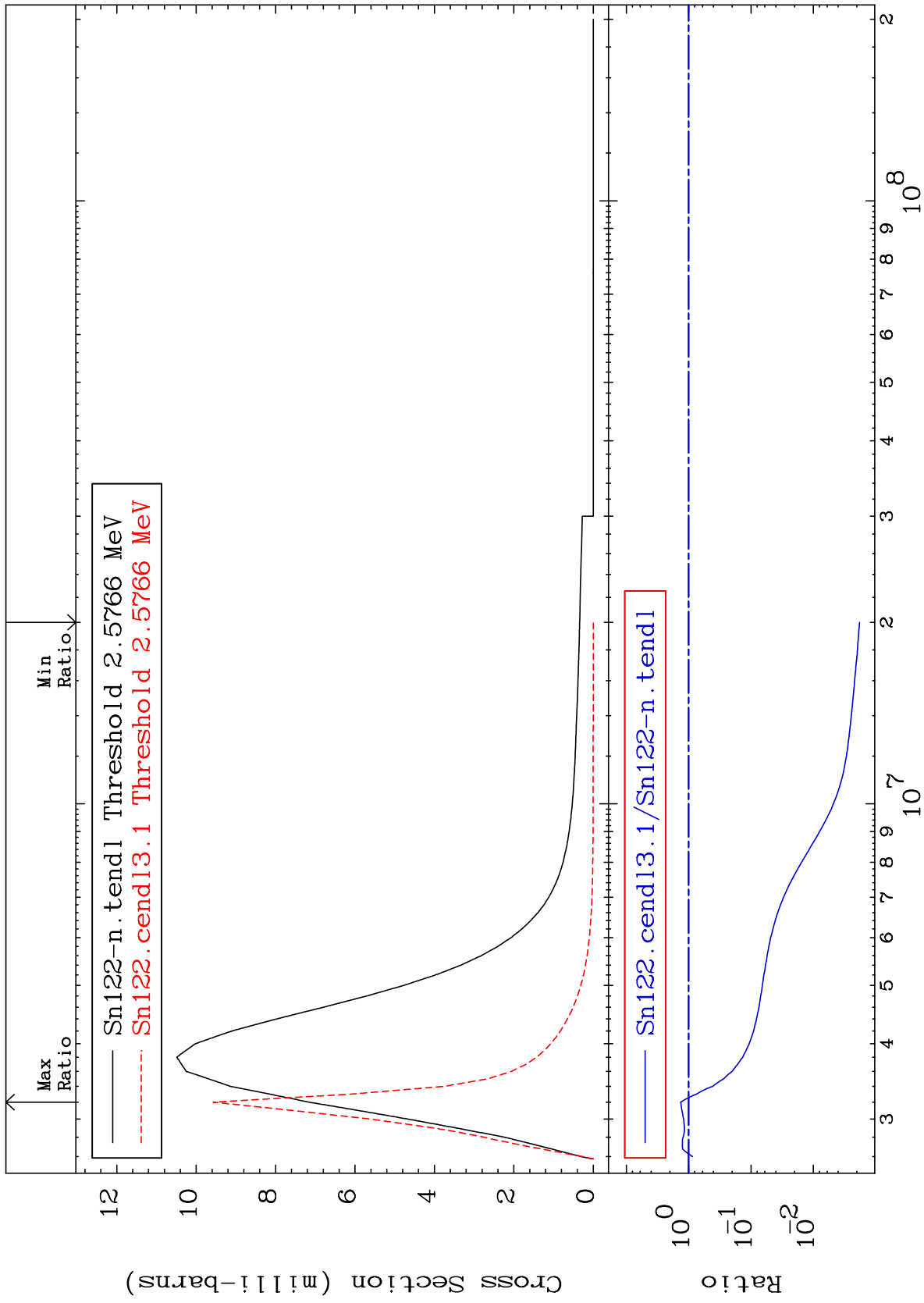


17

Incident Energy (eV)

50-Sn-122

MAT 5055 2.555 MeV (n,n') Level 50-Sn-122
 Cross Section -99.82 To 33.77 %



18 Incident Energy (eV) 50-Sn-122

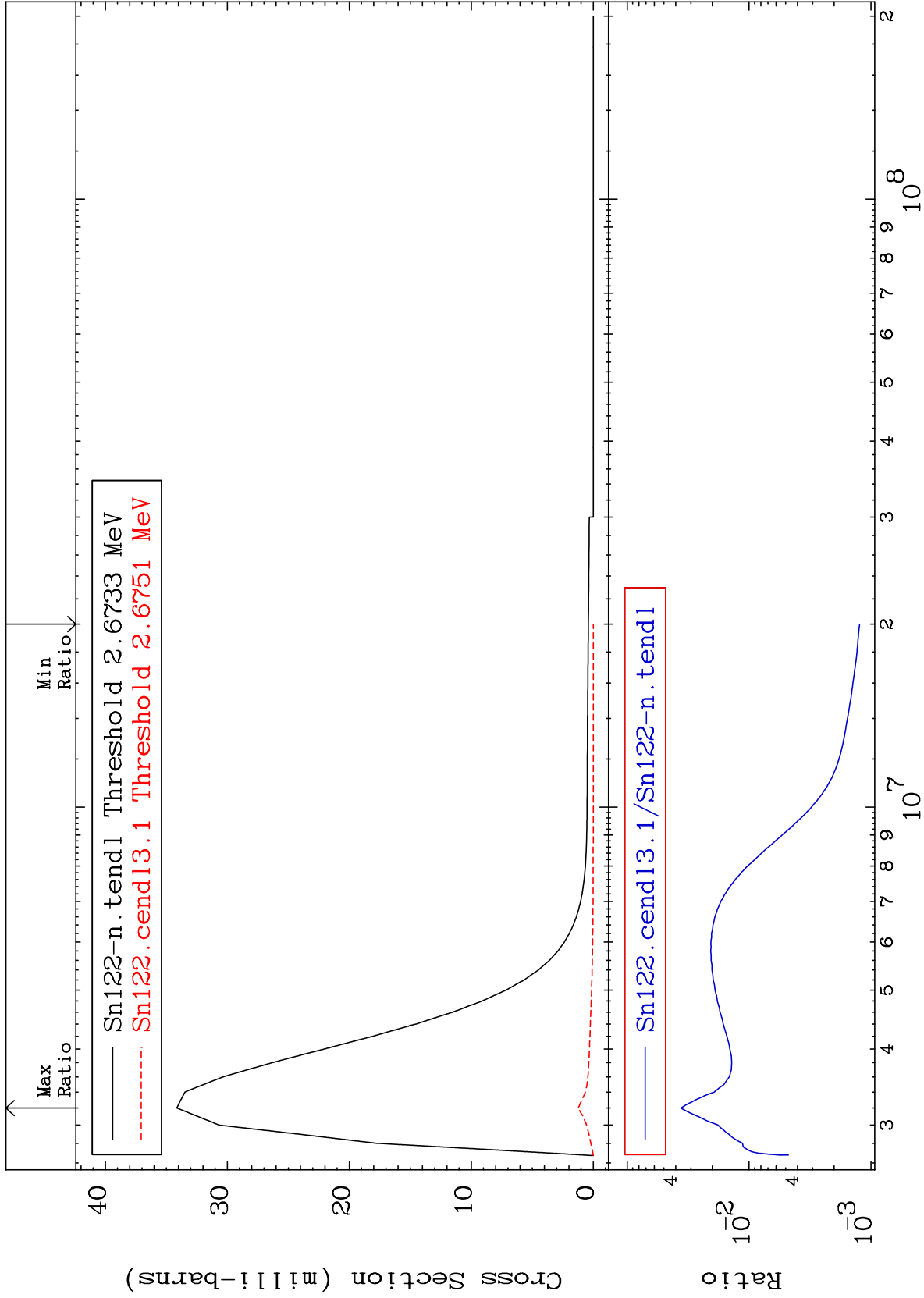
MAT 5055

2.651 MeV (n,n') Level

50-Sn-122

-99.88 To -96.37%

Cross Section



19

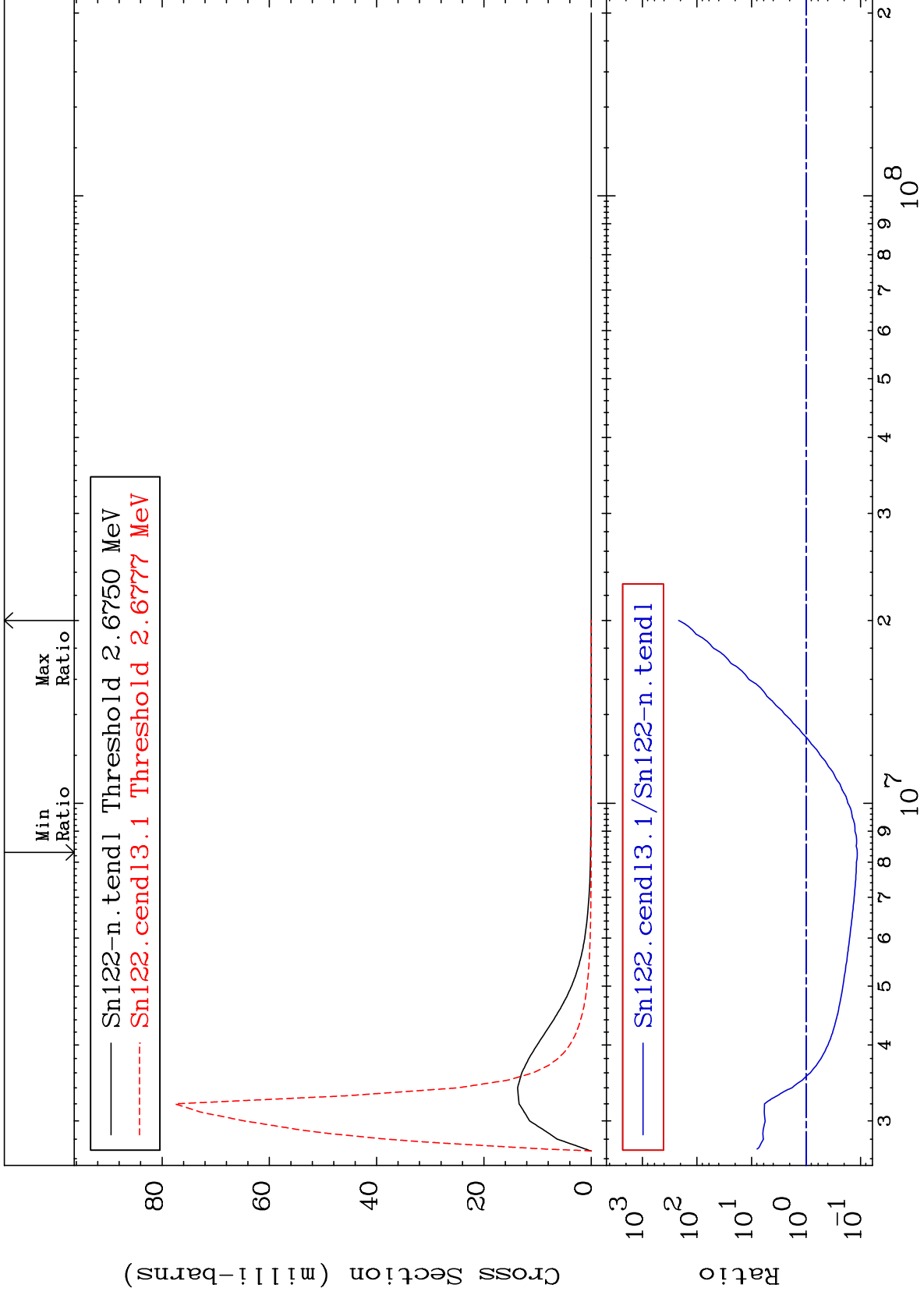
Incident Energy (eV)

50-Sn-122

MAT 5055

2.653 MeV (n,n') Level
Cross Section

50-Sn-122
-88.49 To 9999. %



20

Incident Energy (eV)

50-Sn-122

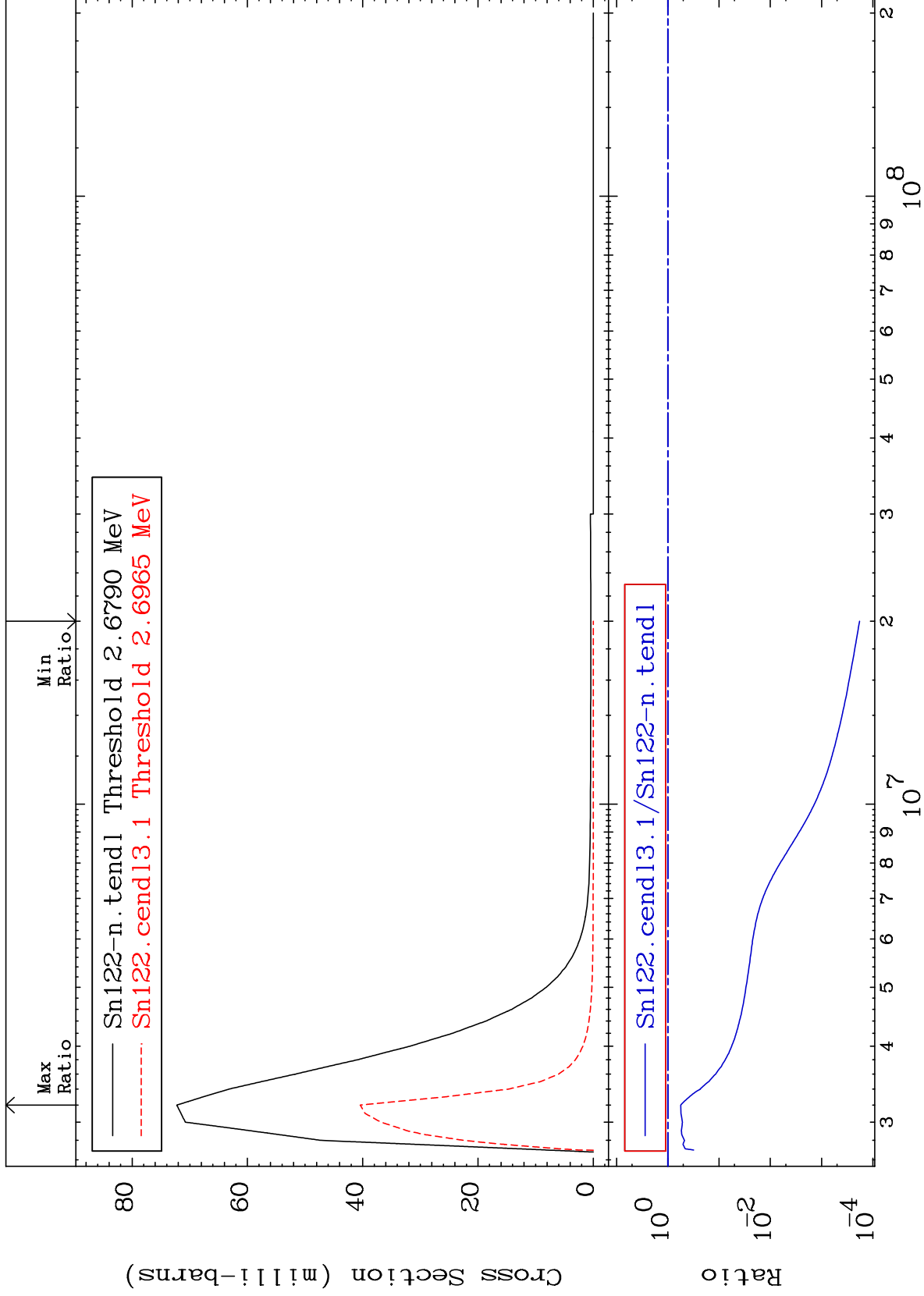
MAT 5055

2.657 MeV (n,n') Level

50-Sn-122

Cross Section

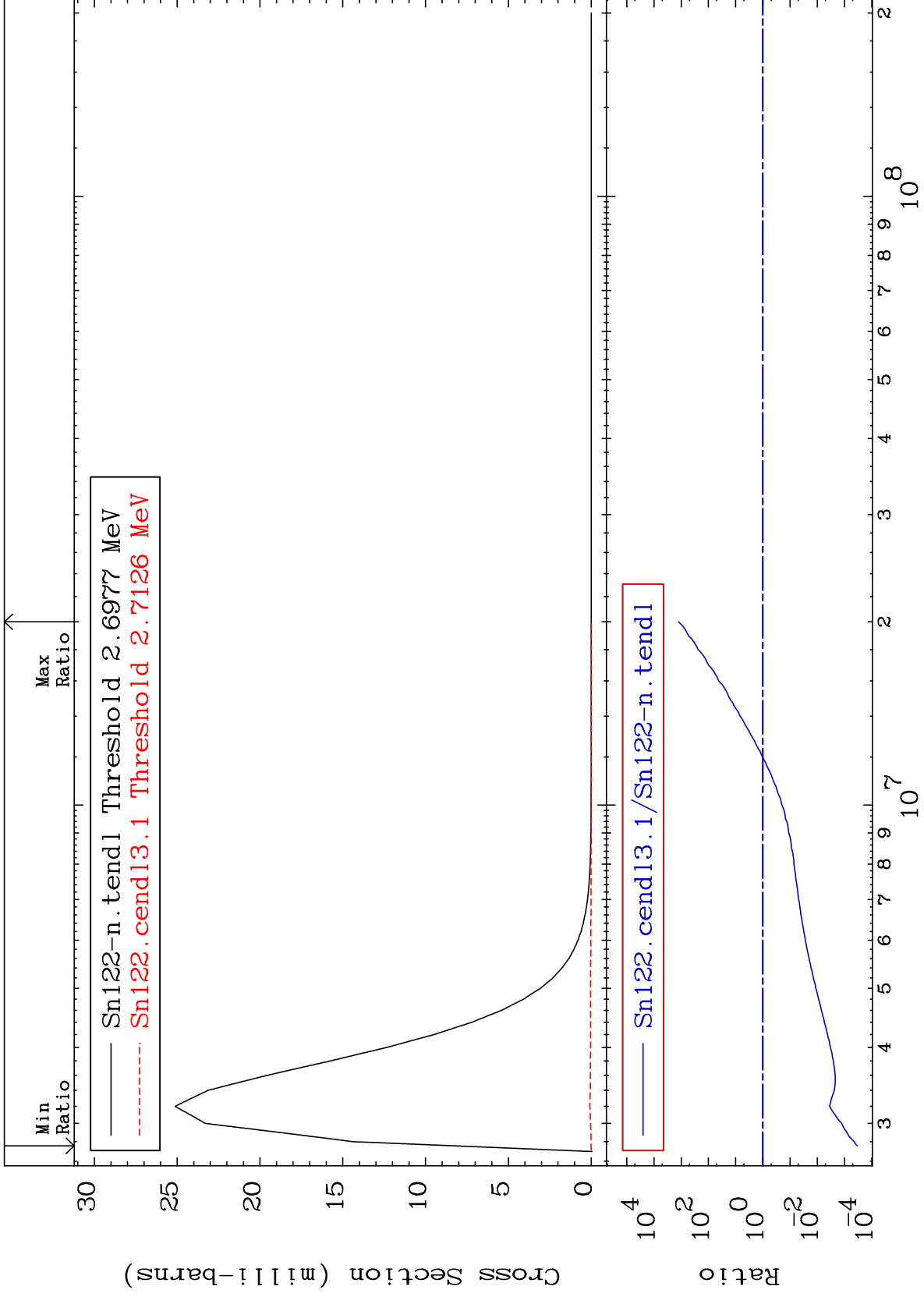
-99.98 To -44.06%



MAT 5055

2.676 MeV (n,n') Level
Cross Section

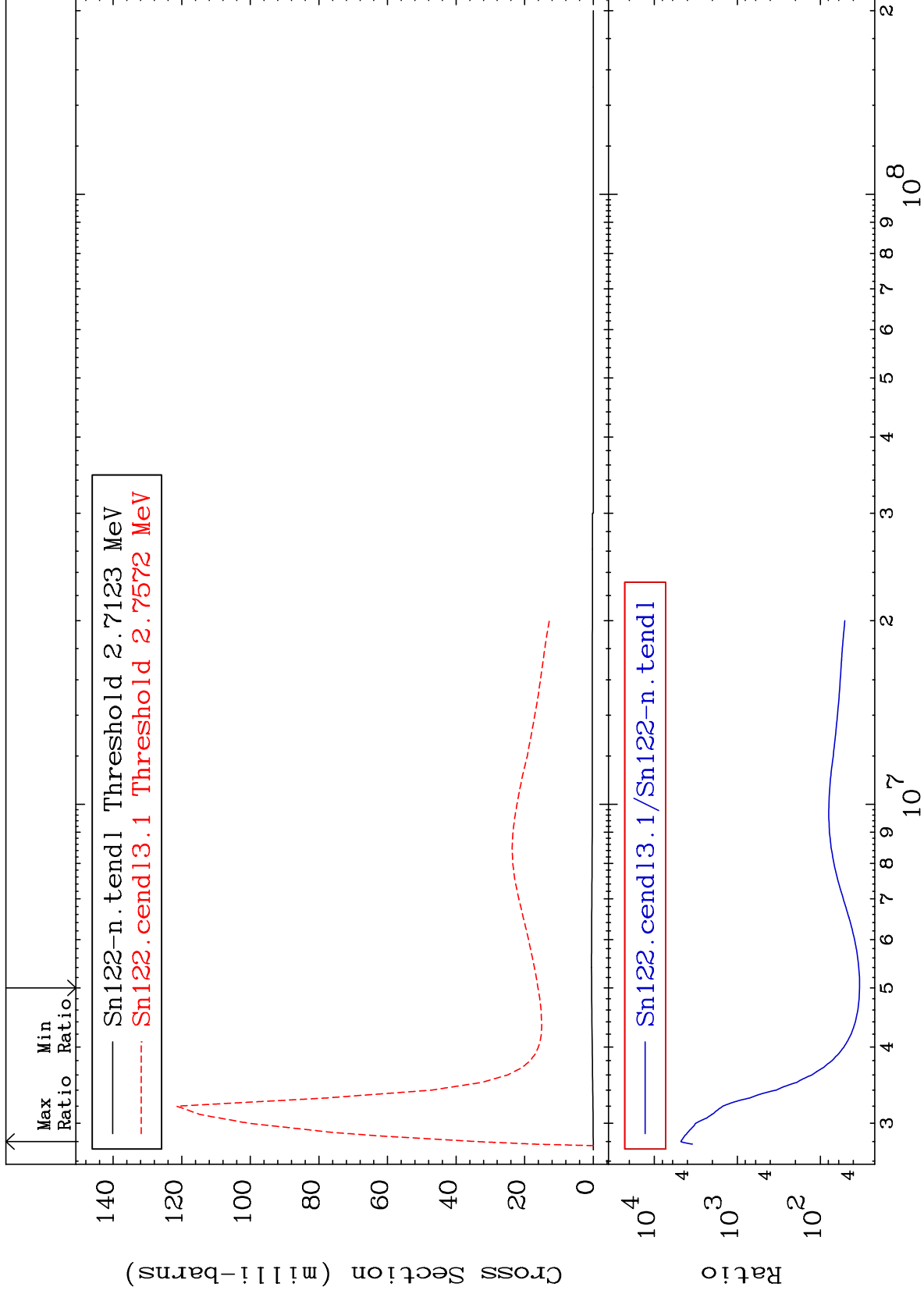
50-Sn-122
-99.97 To 9999. %



MAT 5055

2.690 MeV (n,n') Level
Cross Section

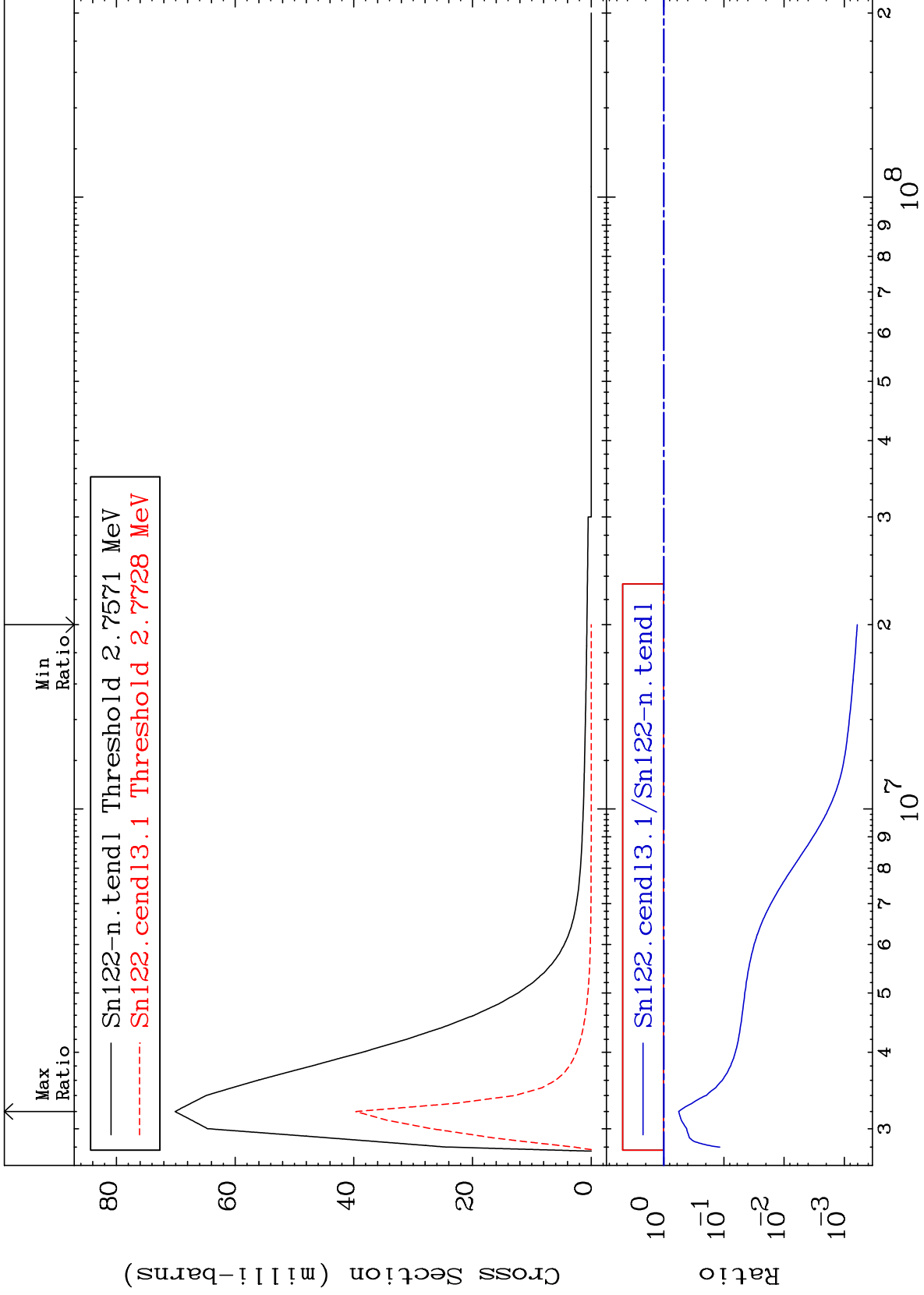
50-Sn-122
To 9999. %
3270.



MAT 5055

2.734 MeV (n,n') Level
Cross Section

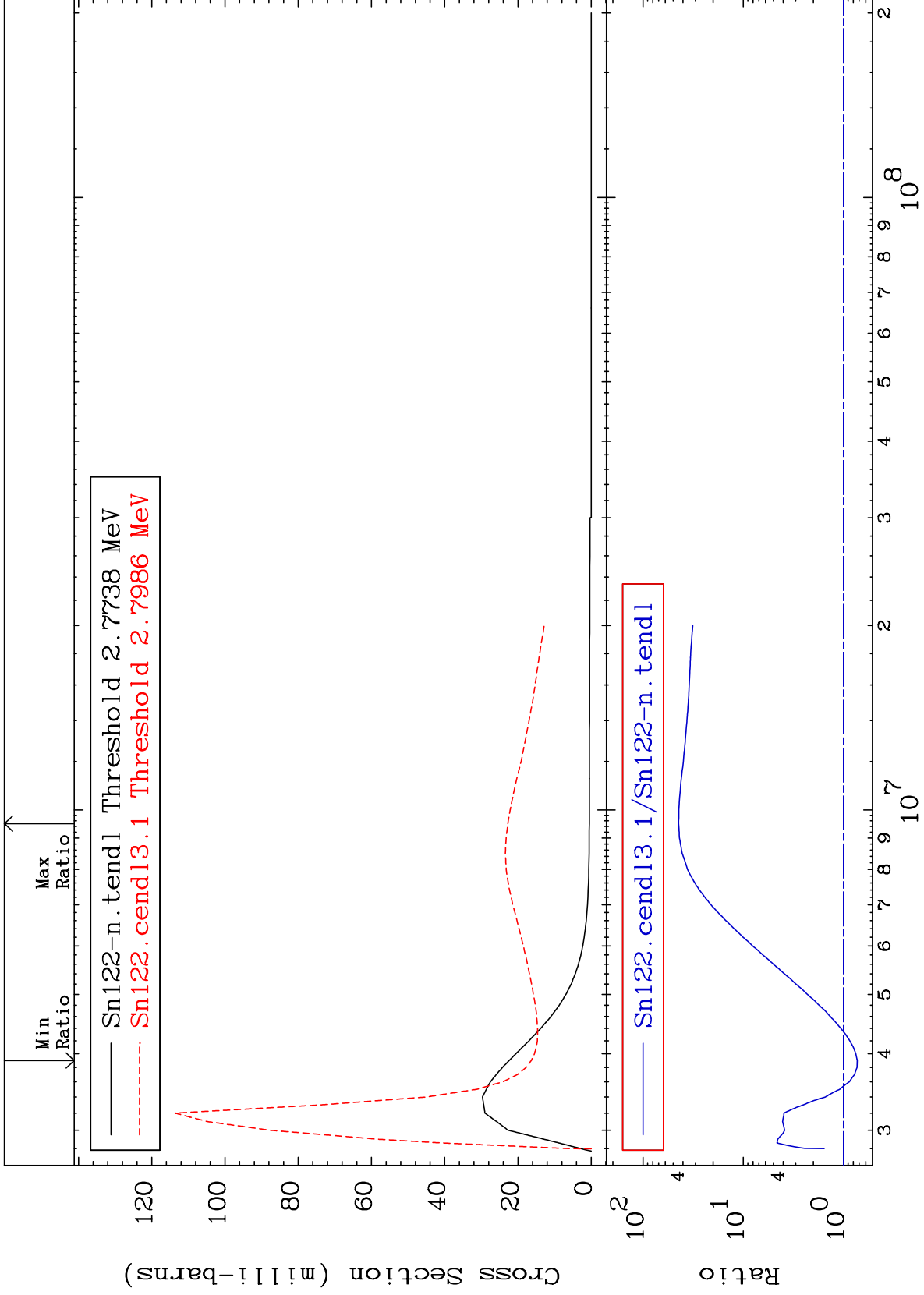
50-Sn-122
-99.94 To -43.42%



MAT 5055

2.751 MeV (n,n') Level
Cross Section

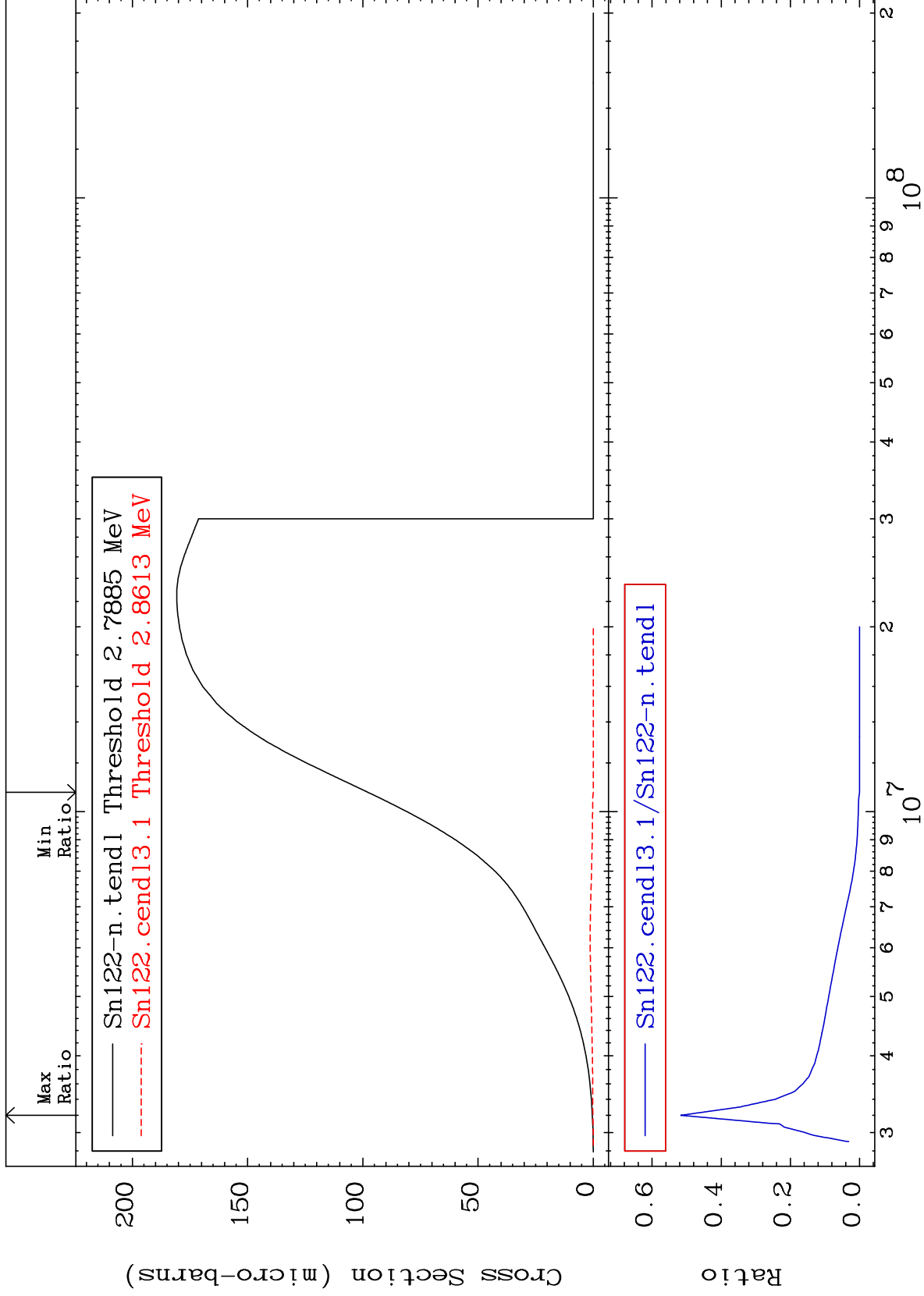
50-Sn-122
-27.03 To 4318. %



MAT 5055

2.766 MeV (n,n') Level
Cross Section

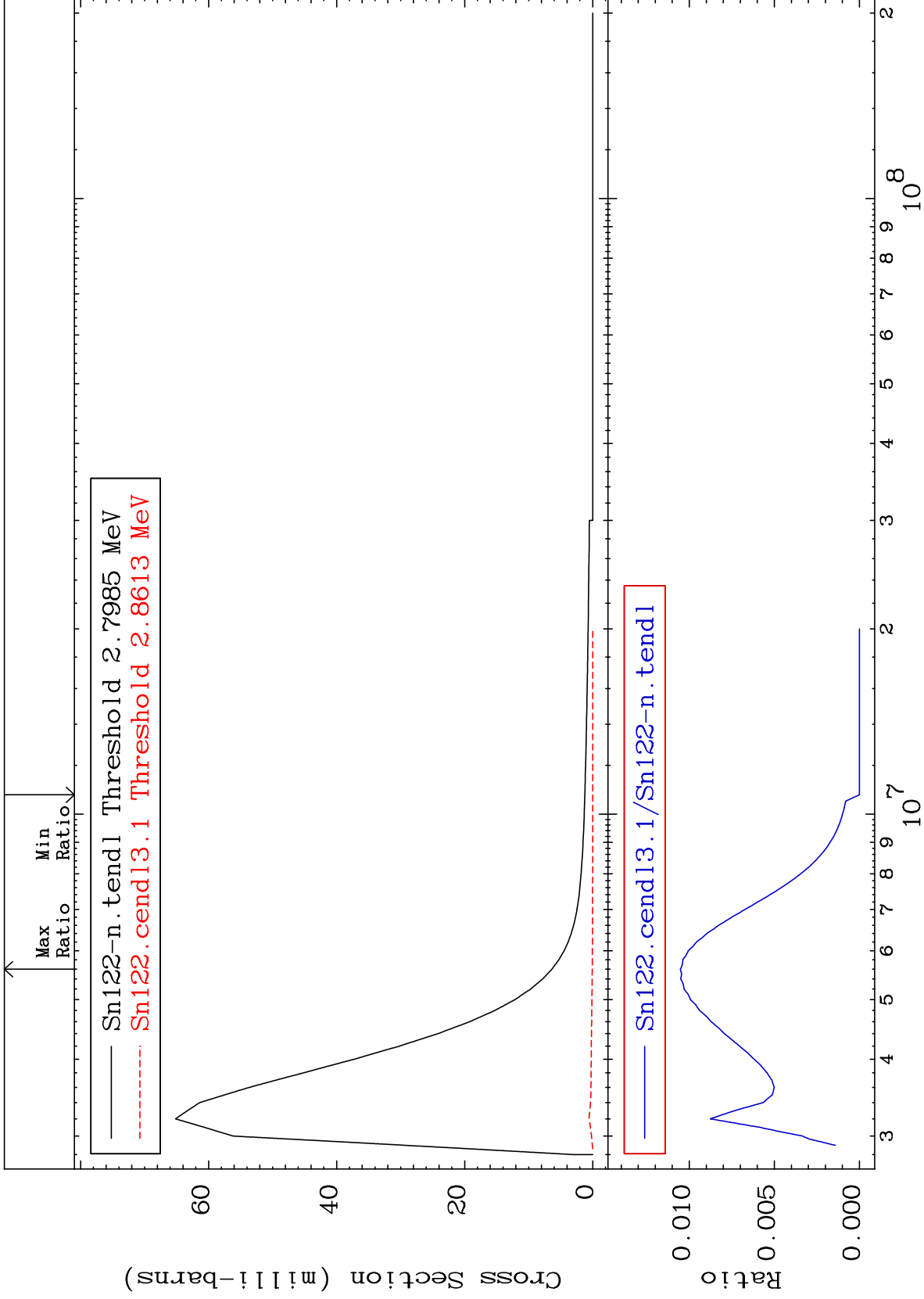
50-Sn-122
-100.0 To -48.30%



MAT 5055

2.776 MeV (n,n') Level
Cross Section

50-Sn-122
-100.0 To -98.95%



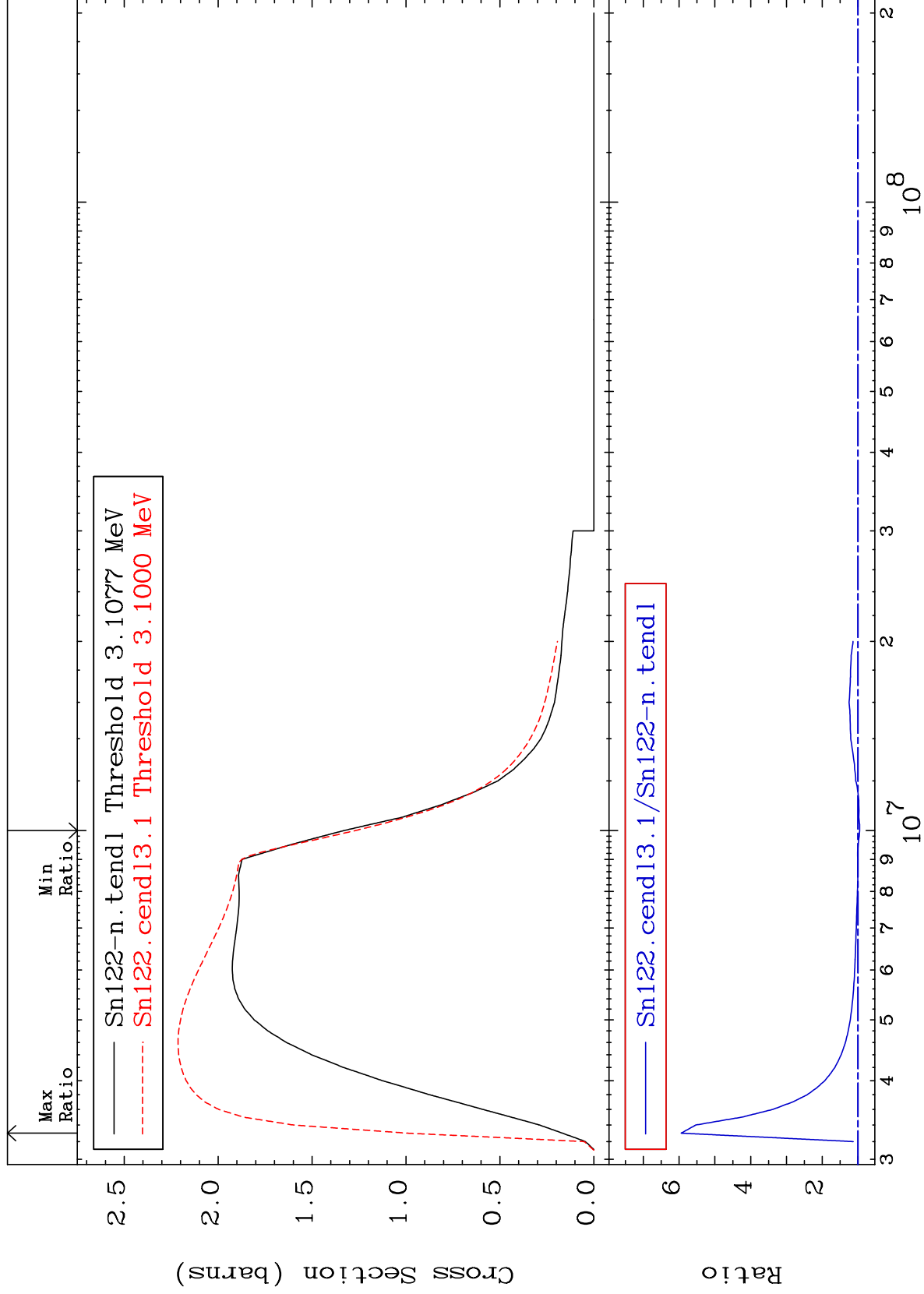
27

50-Sn-122

MAT 5055

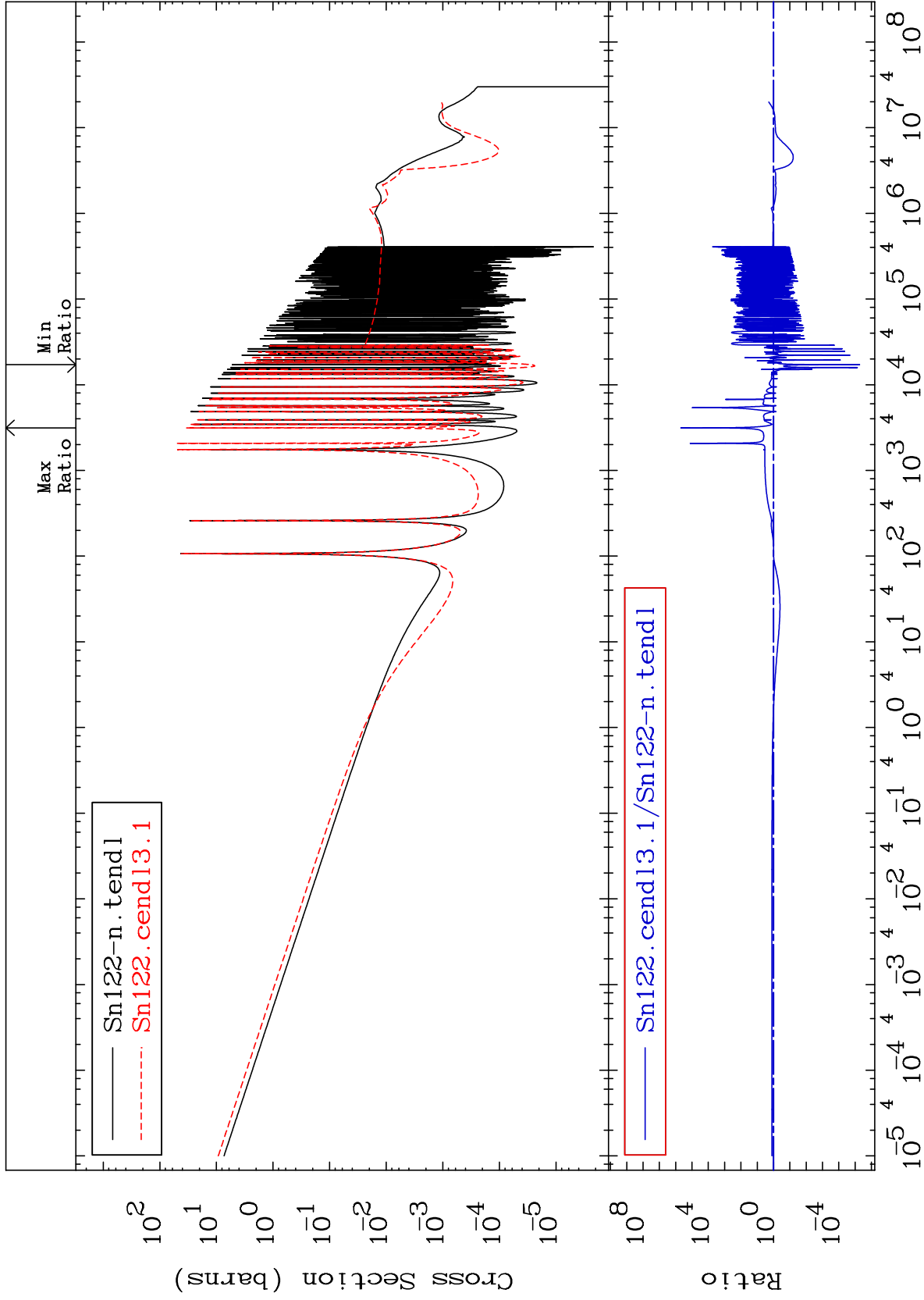
(n, n') Continuum
Cross Section

50-Sn-122
-4.510 To 494.2 %



MAT 5055

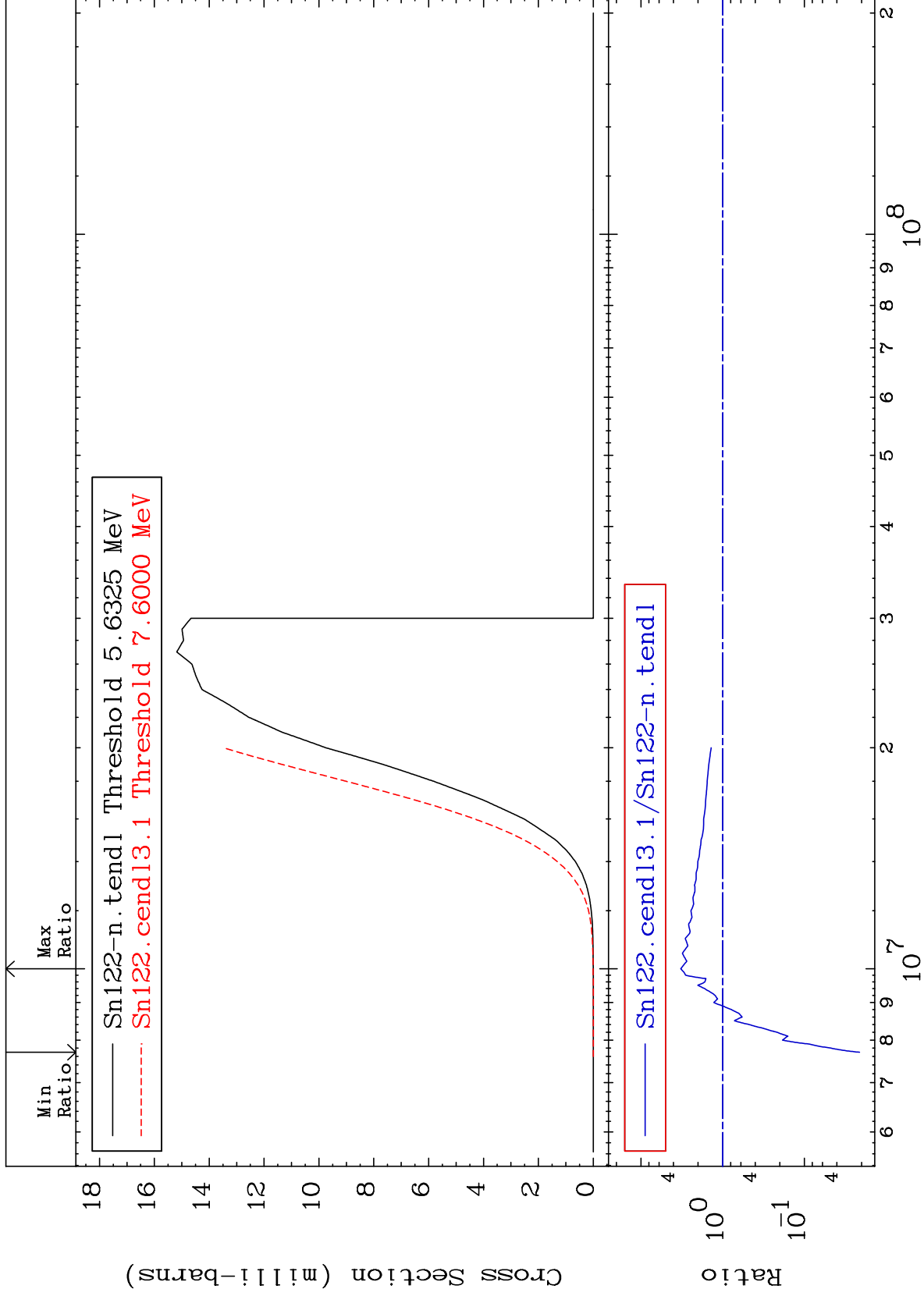
(n, γ)
Cross Section
50-Sn-122
-100.0 To 9999. %



MAT 5055

(n,p)
Cross Section

50-Sn-122
-97.89 To 225.9 %



30

Incident Energy (eV)

50-Sn-122

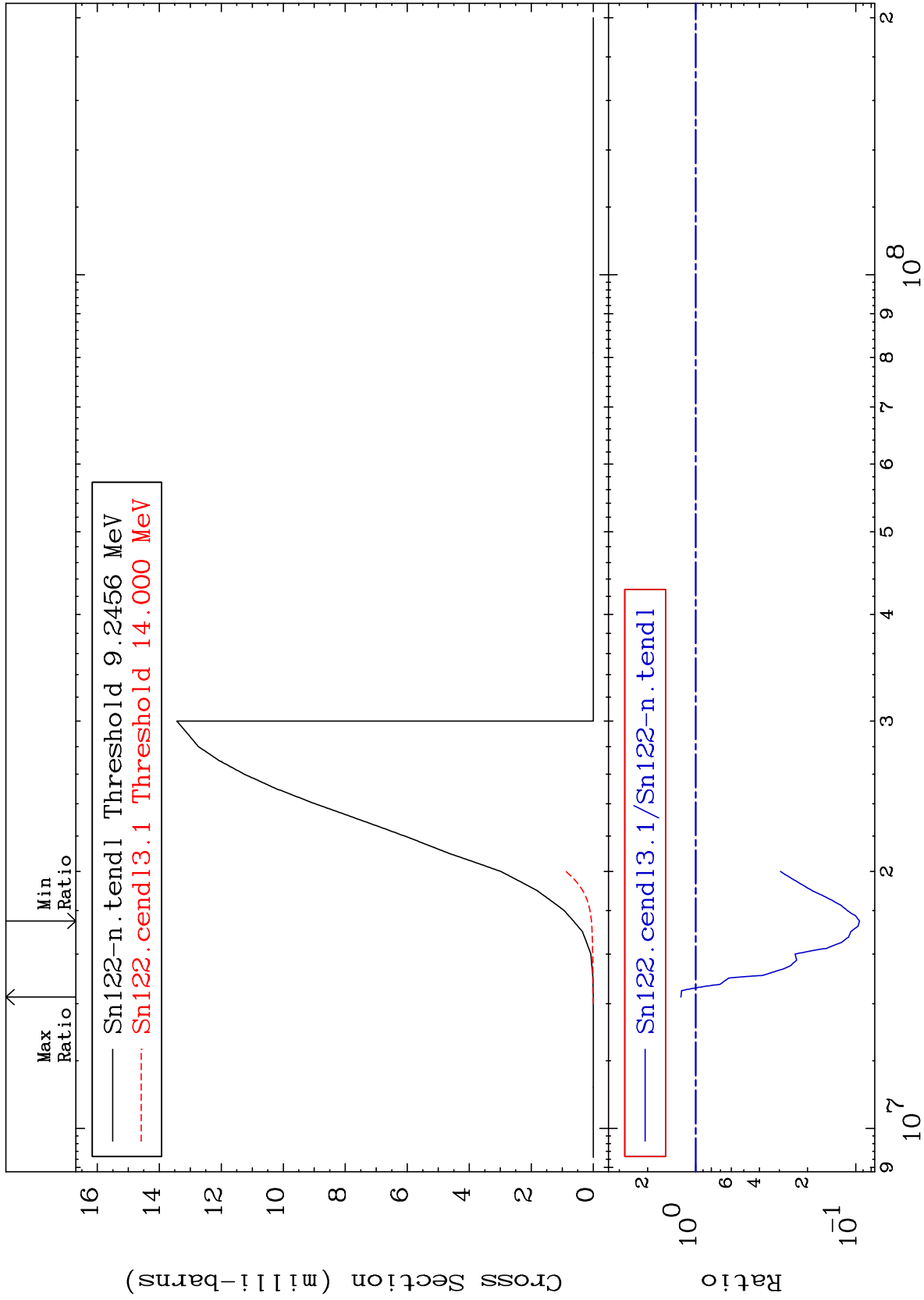
MAT 5055

(n, d)

50-Sn-122

Cross Section

-90.53 To 23.99 %



31

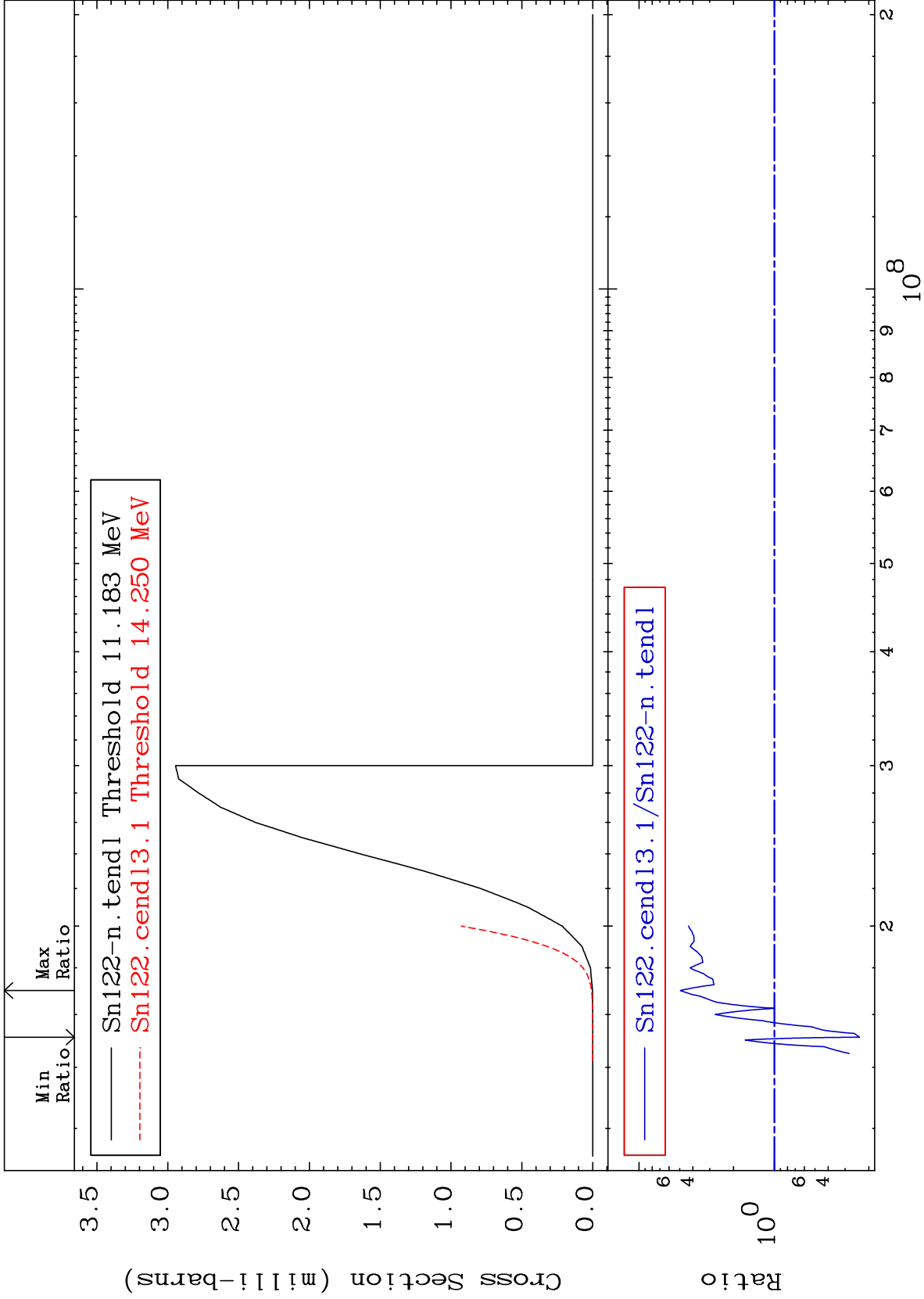
Incident Energy (eV)

50-Sn-122

MAT 5055

(n, t)
Cross Section

50-Sn-122
-76.50 To 394.6 %



32

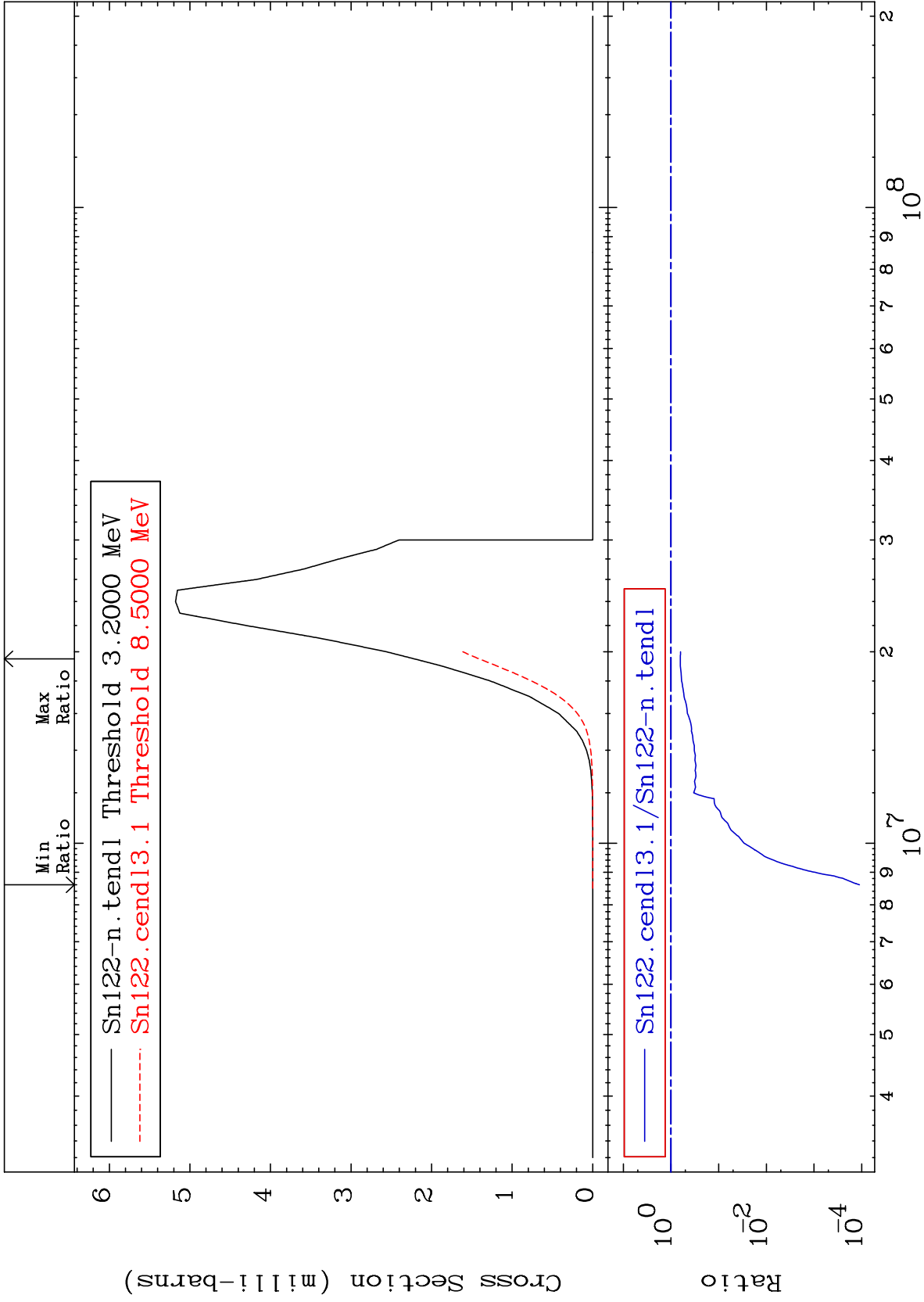
Incident Energy (eV)

50-Sn-122

MAT 5055

50-Sn-122
-99.99 To -36.36%

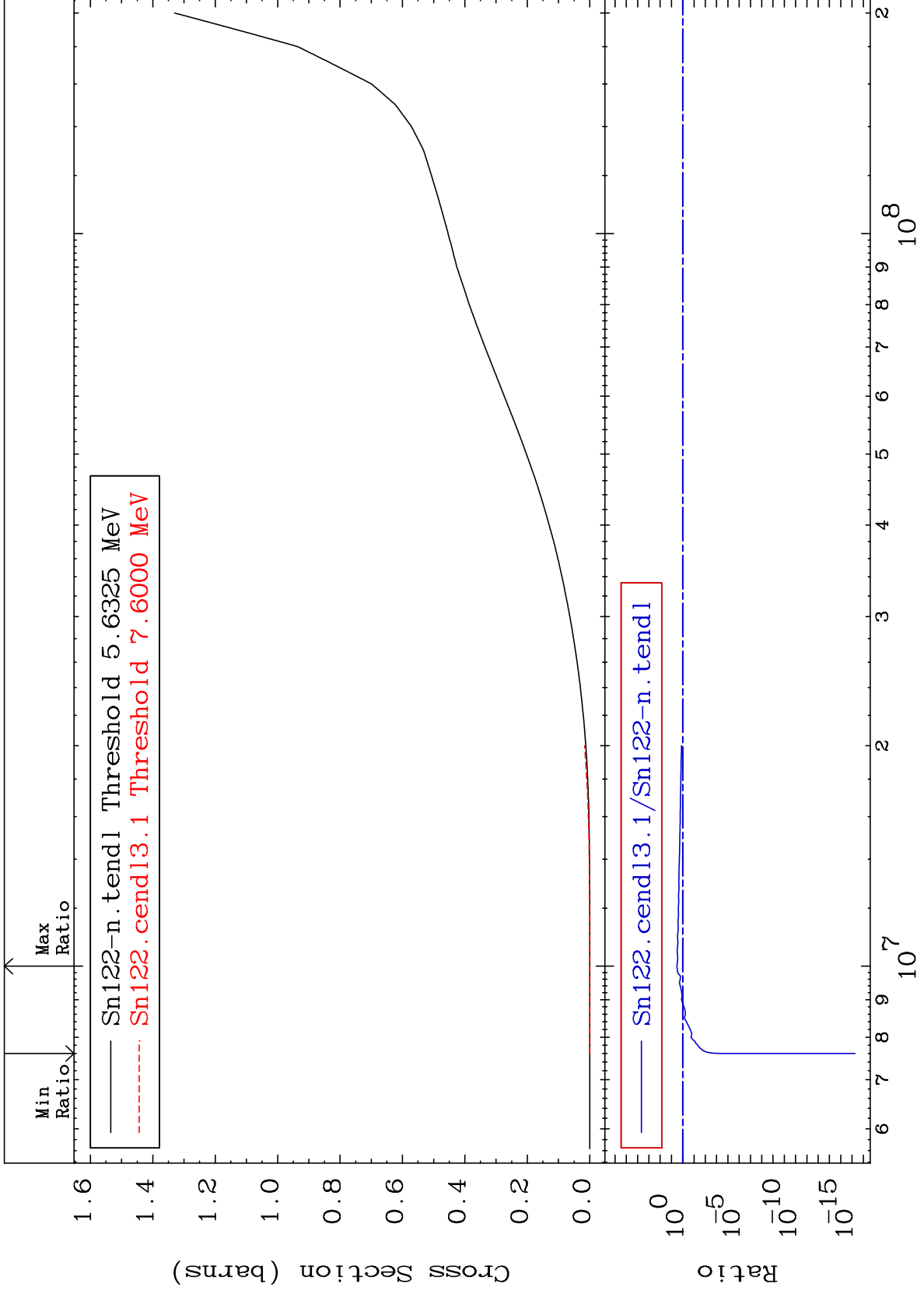
(n, α)
Cross Section



MAT 5055

Hydrogen Production
Cross Section

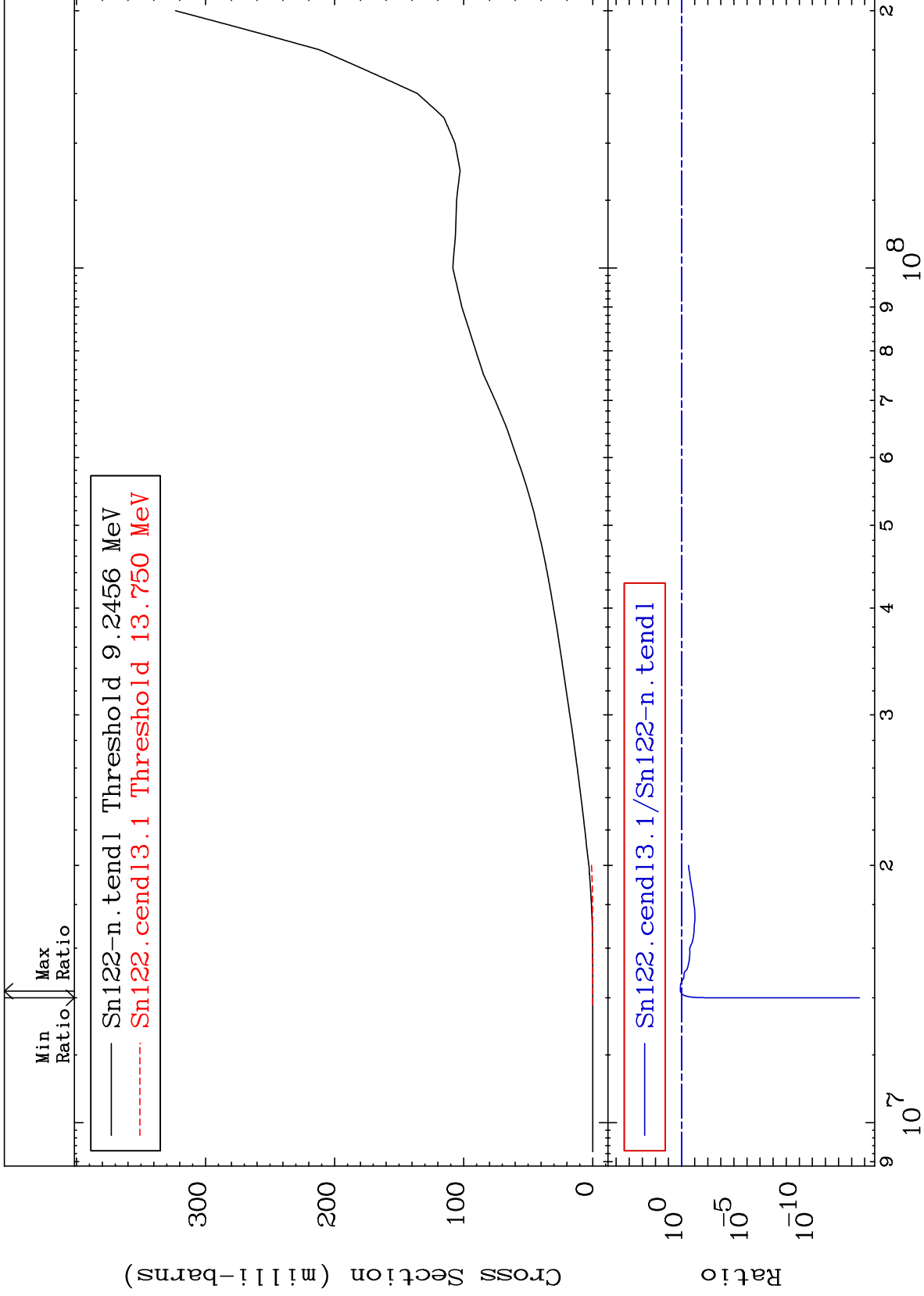
50-Sn-122
-100.0 To 225.9 %



MAT 5055

Deuterium Production
Cross Section

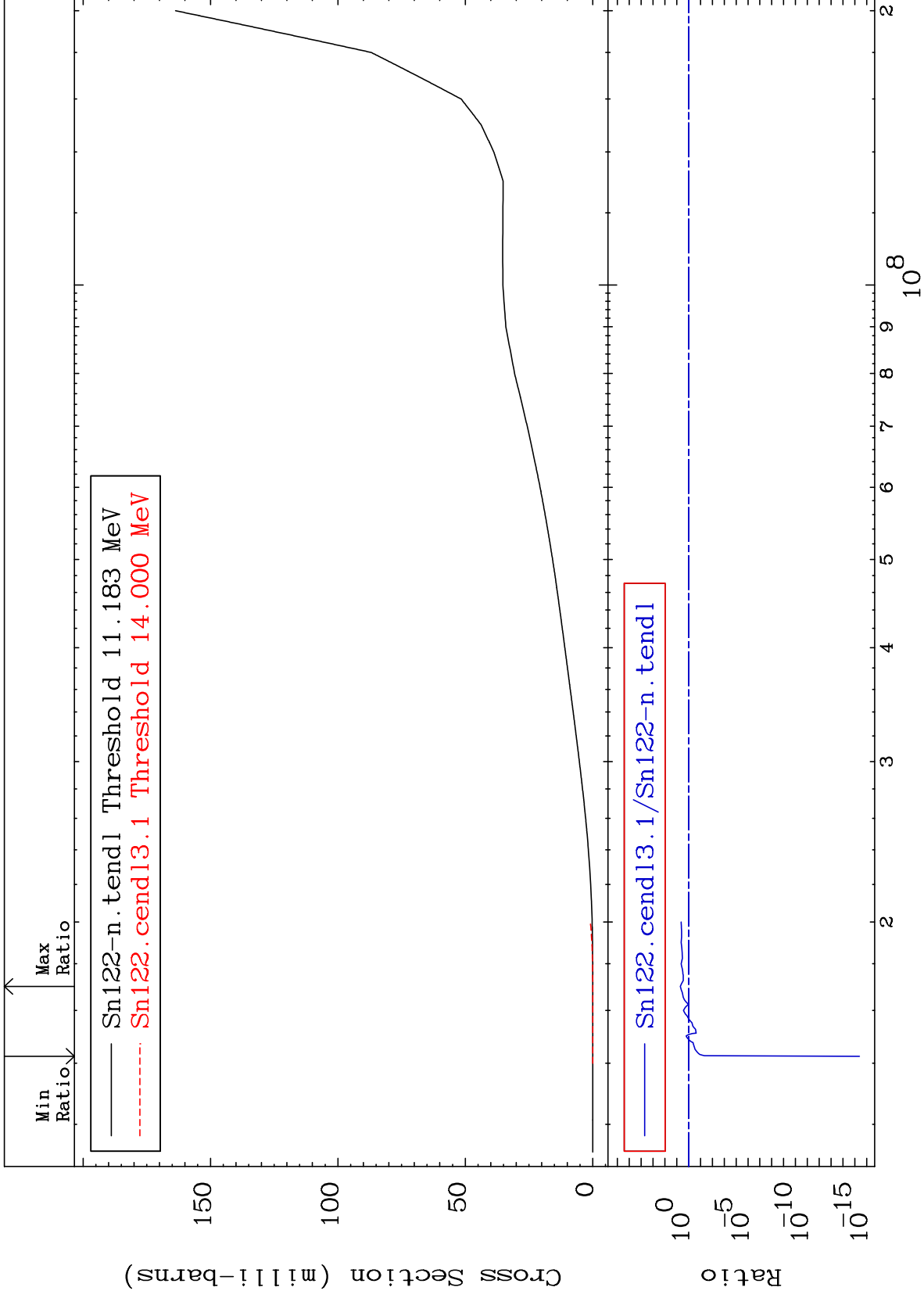
50-Sn-122
-100.0 To 23.99 %



35

Incident Energy (eV)

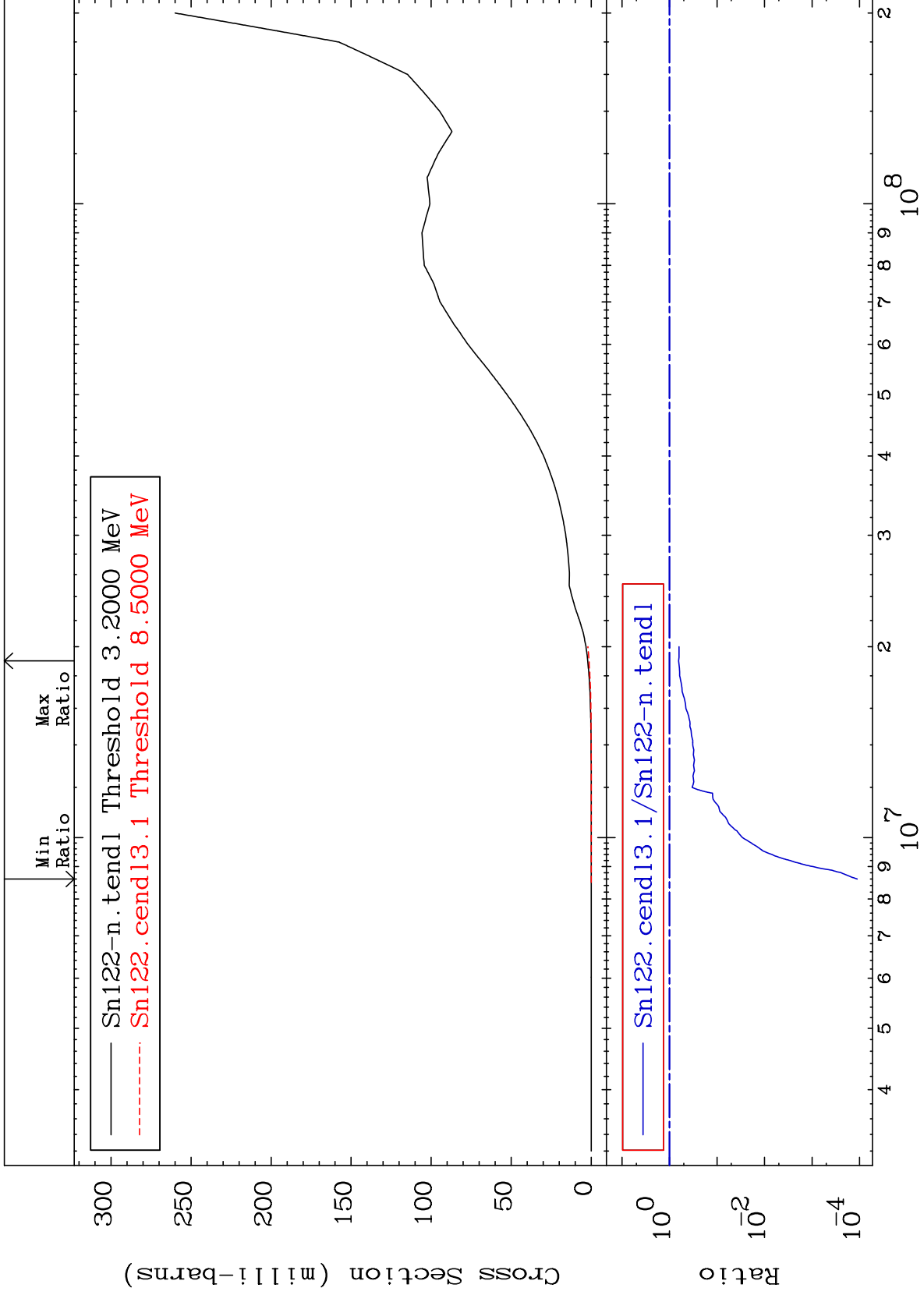
50-Sn-122



MAT 5055

He-4 Production
Cross Section

50-Sn-122
-99.99 To -35.77%



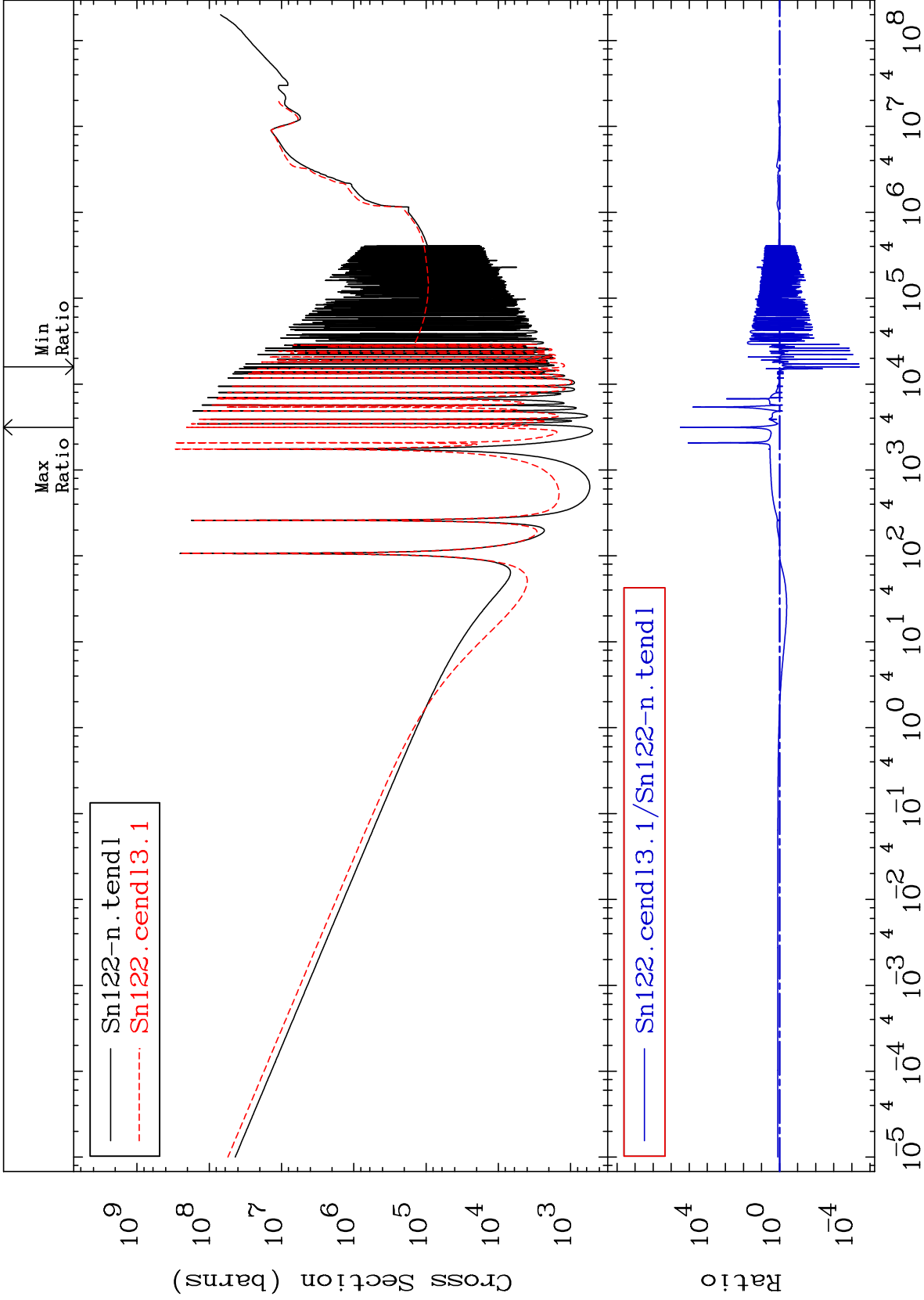
MAT 5055

Kerma total (eV-barns)

50-Sn-122

Cross Section

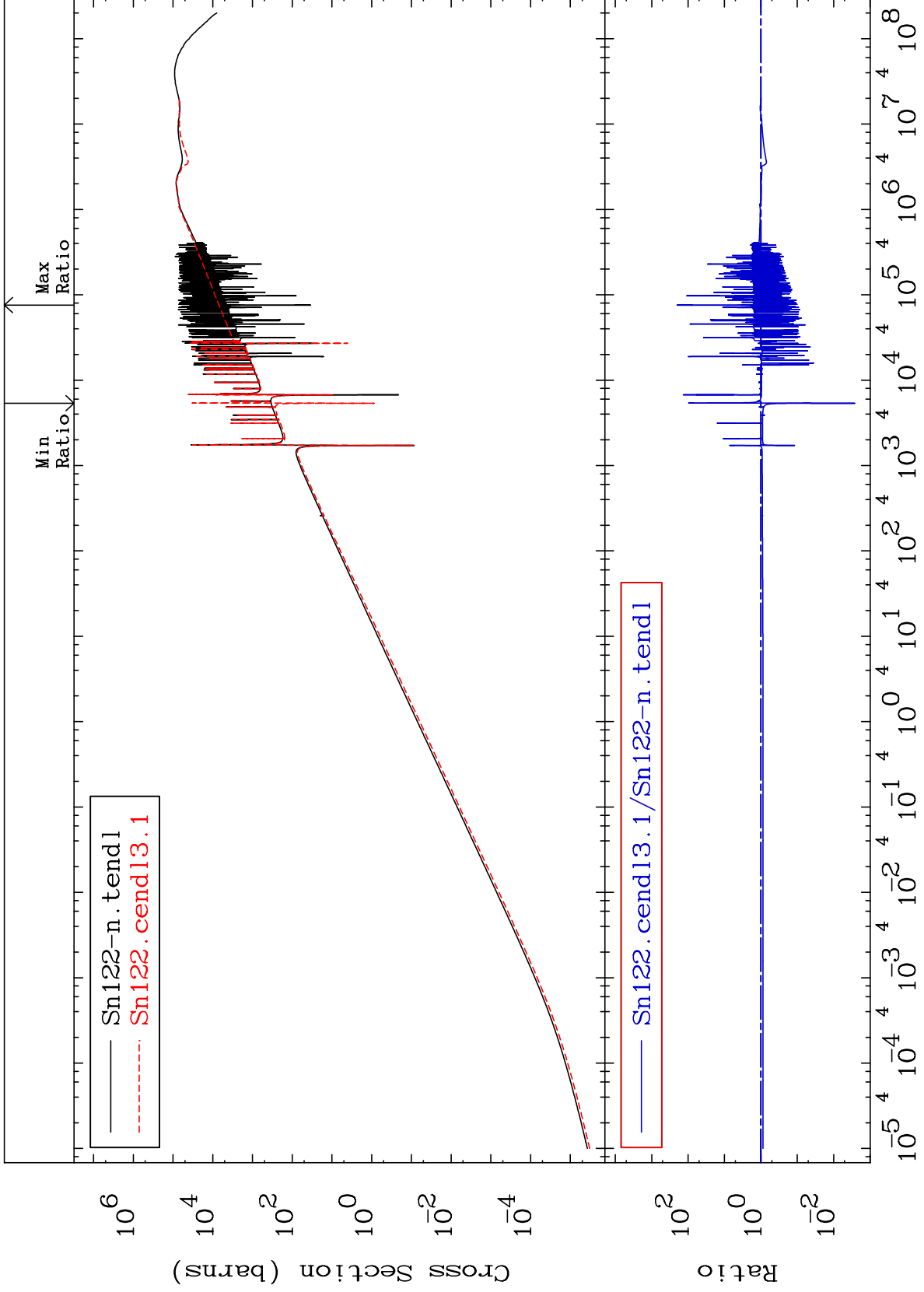
-100.0 To 9999. %



MAT 5055

Kerma elastic
Cross Section

50-Sn-122
-99.74 To 9999. %



— Sn122-n.tendl
- - - Sn122.cendl3.1

— Sn122.cendl3.1/Sn122-n.tendl

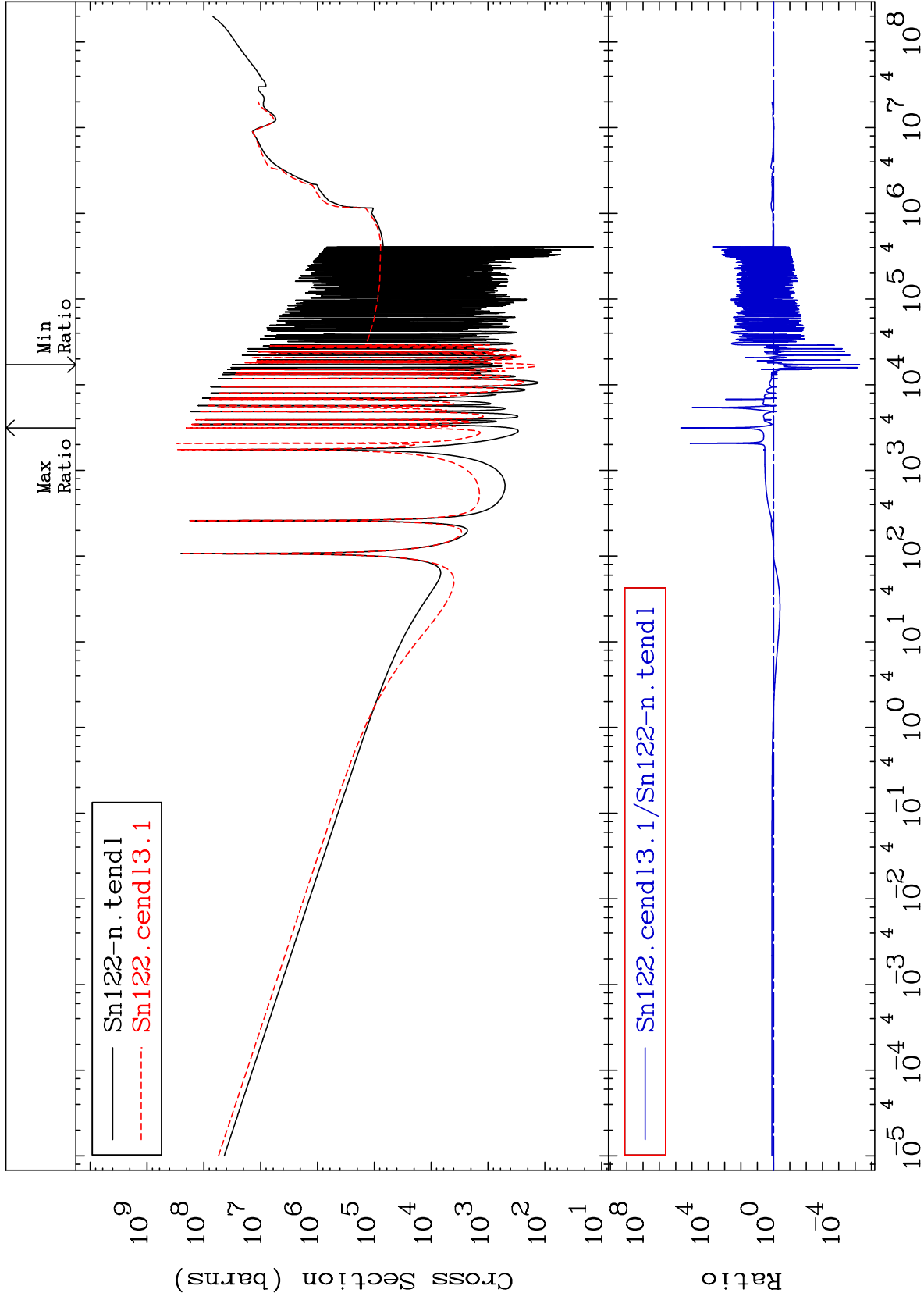
MAT 5055

Kerma non-elastic (all but mt2)

50-Sn-122

Cross Section

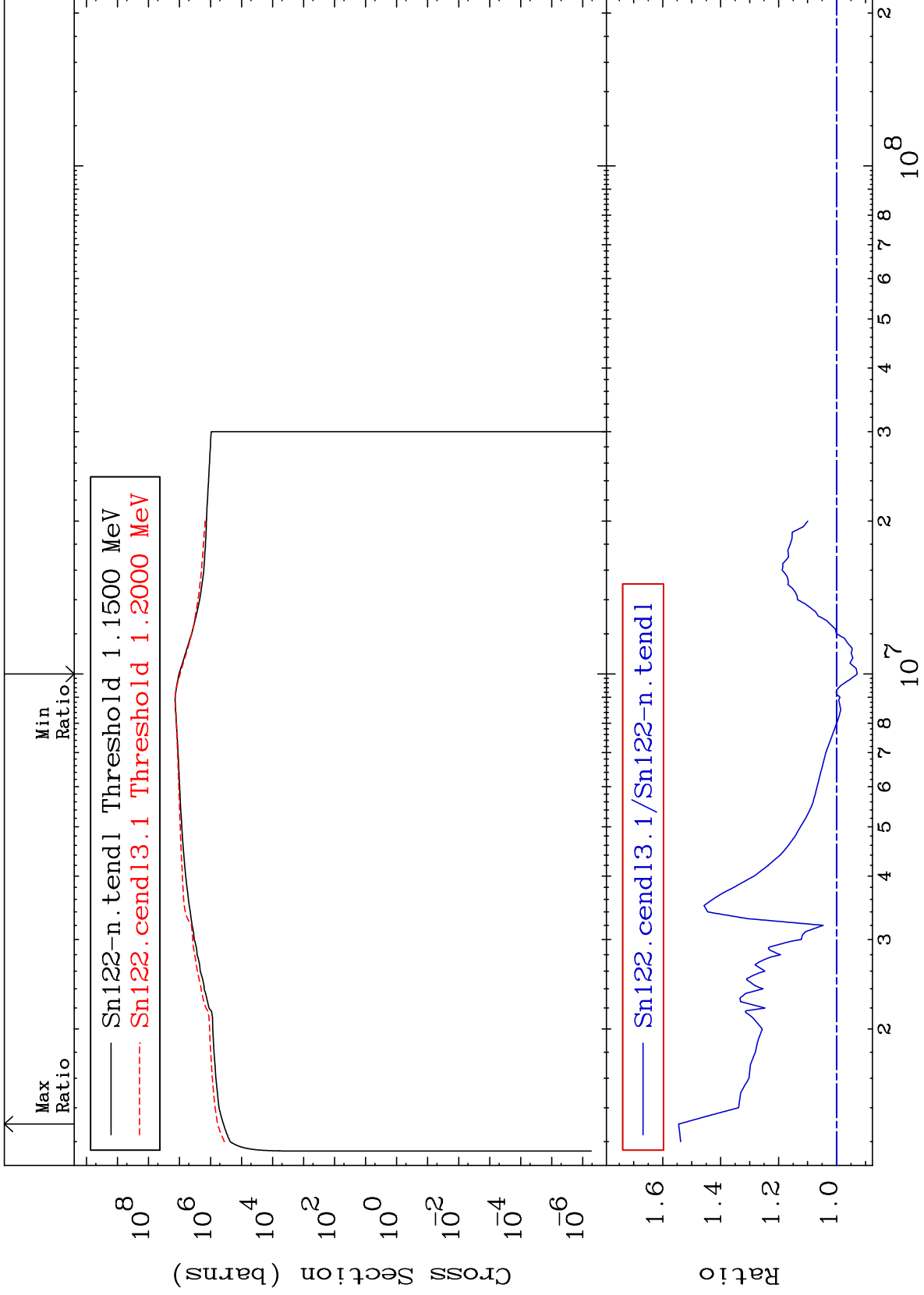
-100.0 To 9999. %



40

Incident Energy (eV)

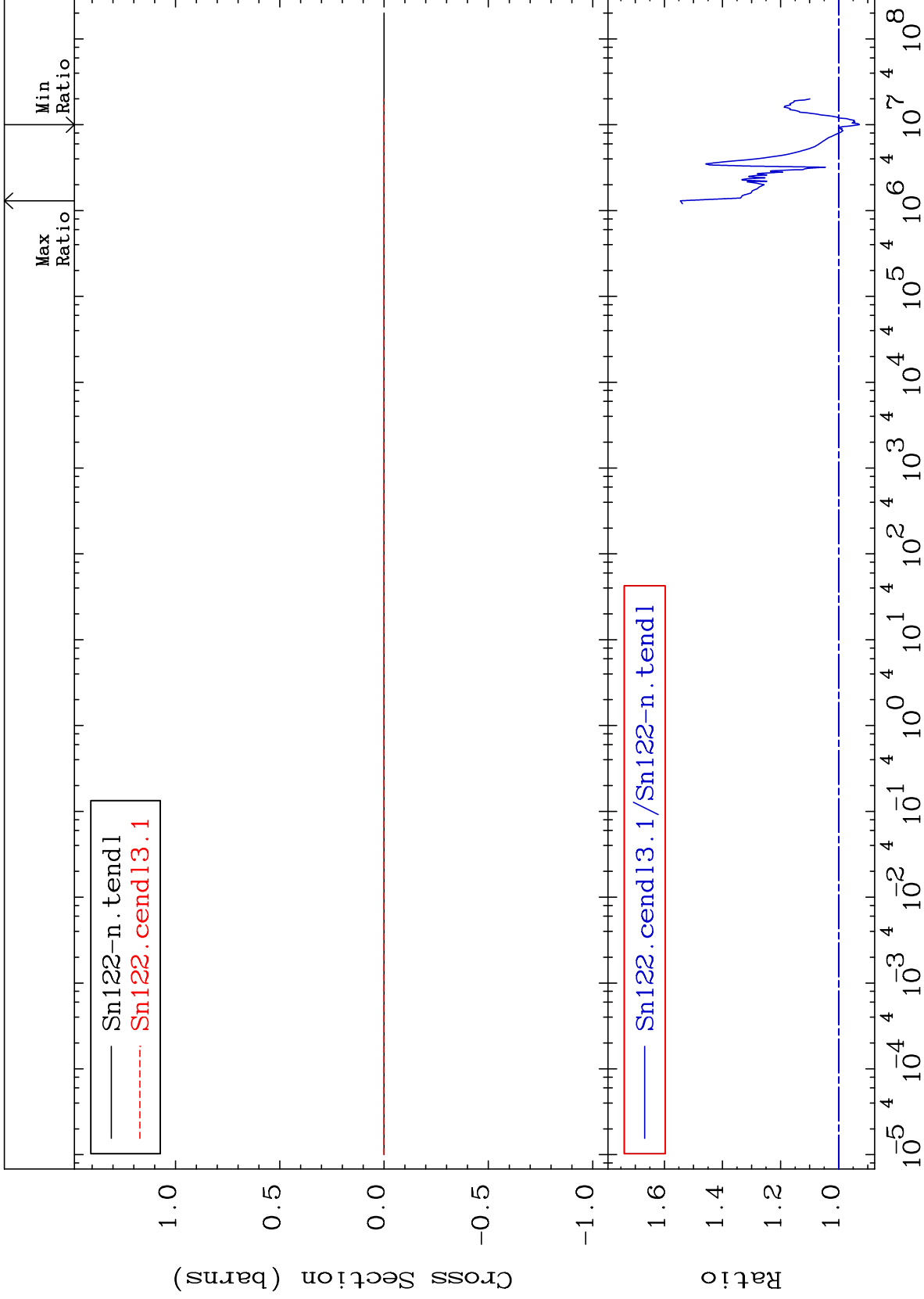
50-Sn-122



MAT 5055

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

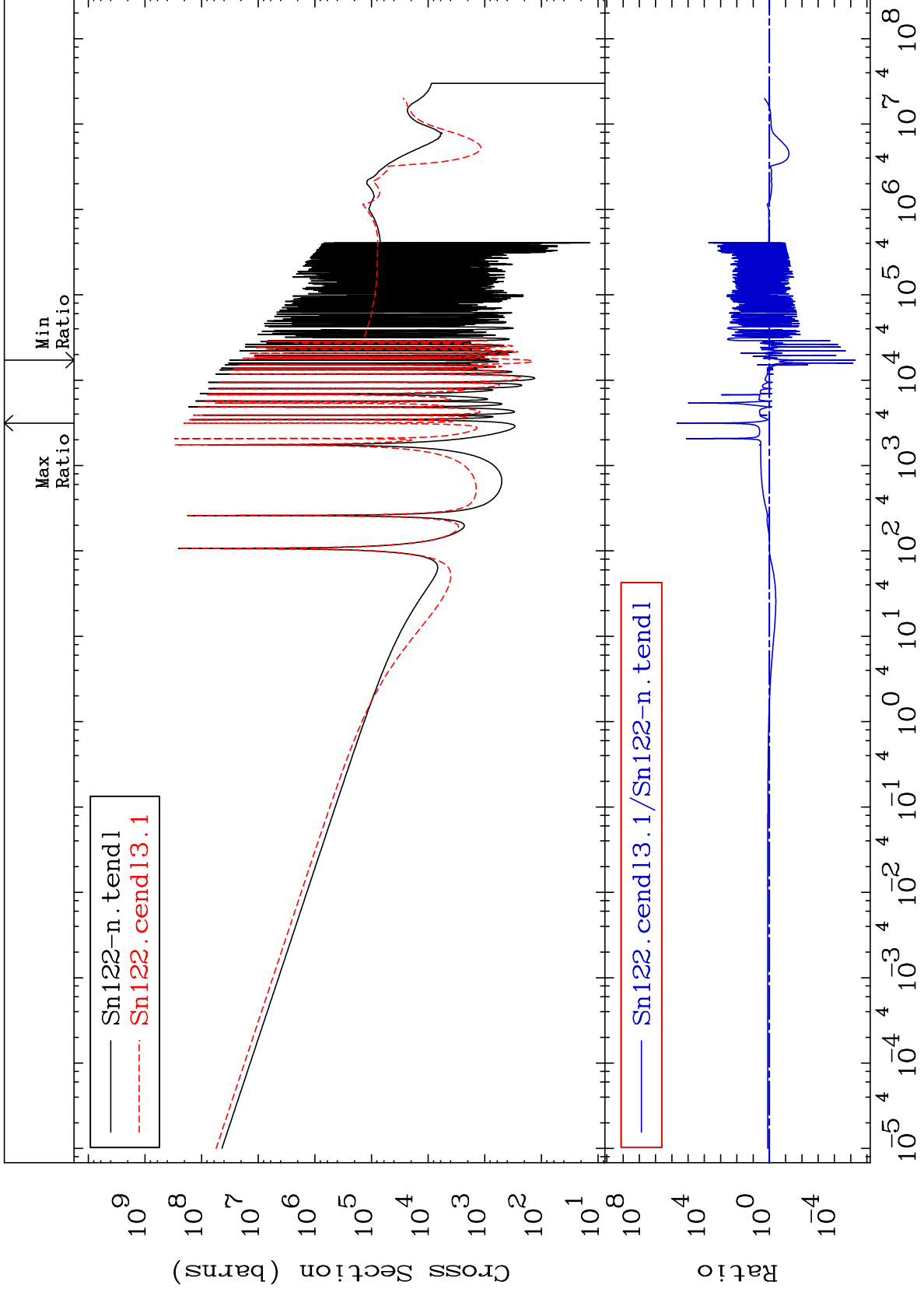
50-Sn-122
-7.133 To 54.50 %



MAT 5055

Kerma capture (mt102)
Cross Section

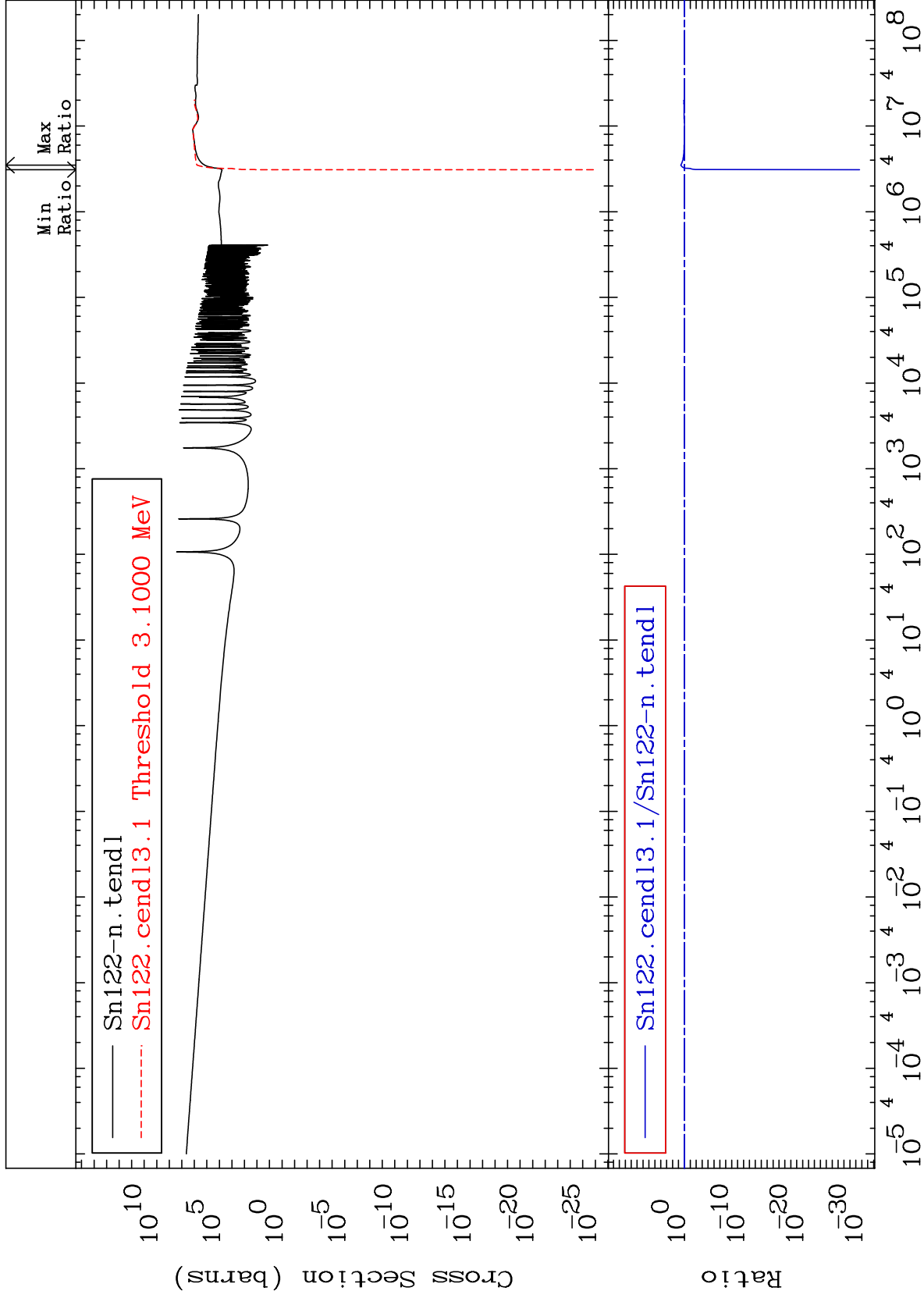
50-Sn-122
-100.0 To 9999. %



MAT 5055

Total photon (eV-barns)
Cross Section

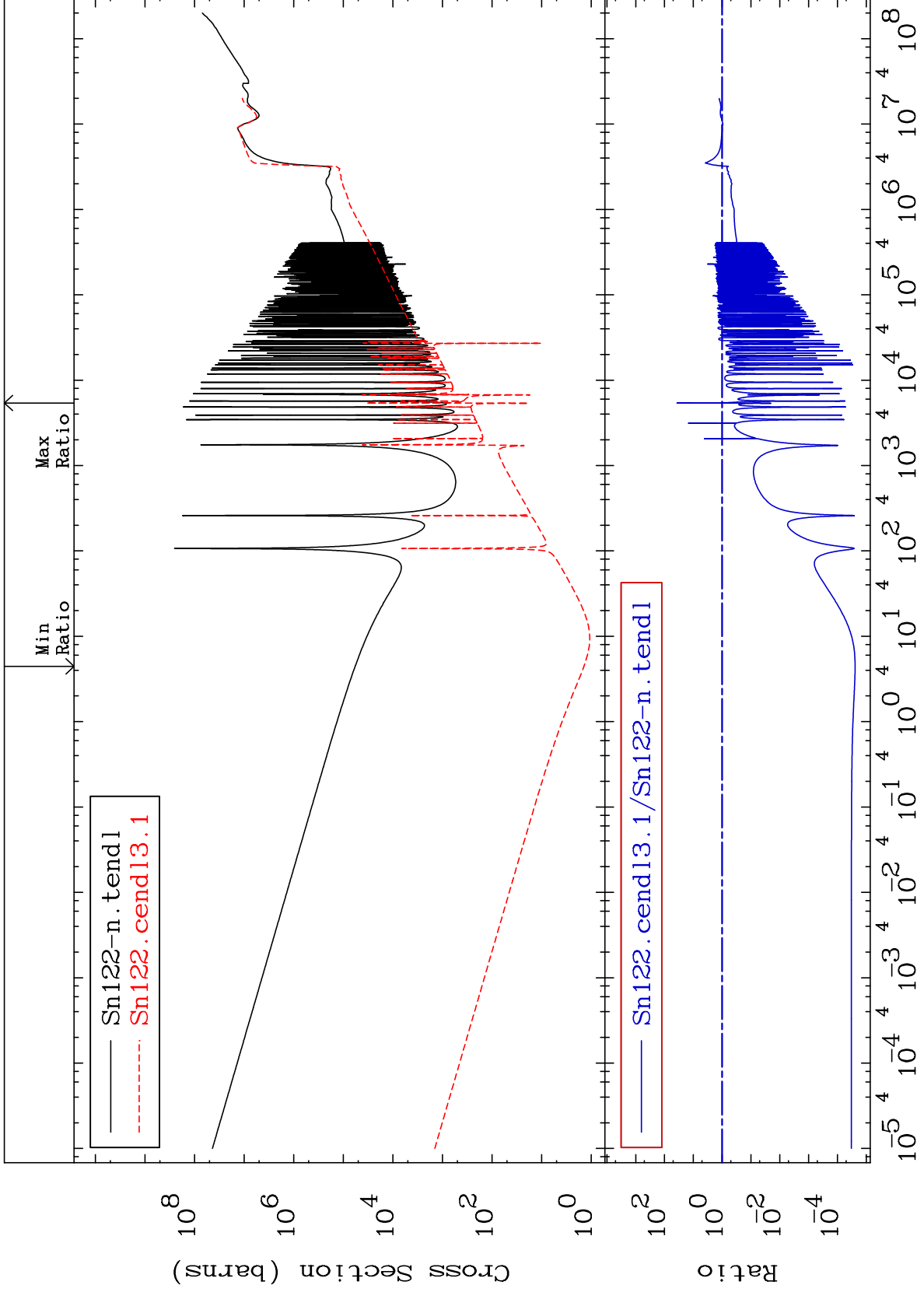
50-Sn-122
-100.0 To 309.6 %



MAT 5055

Total kinematic kerma (high limit)
Cross Section

50-Sn-122
-100.0 To 3611. %



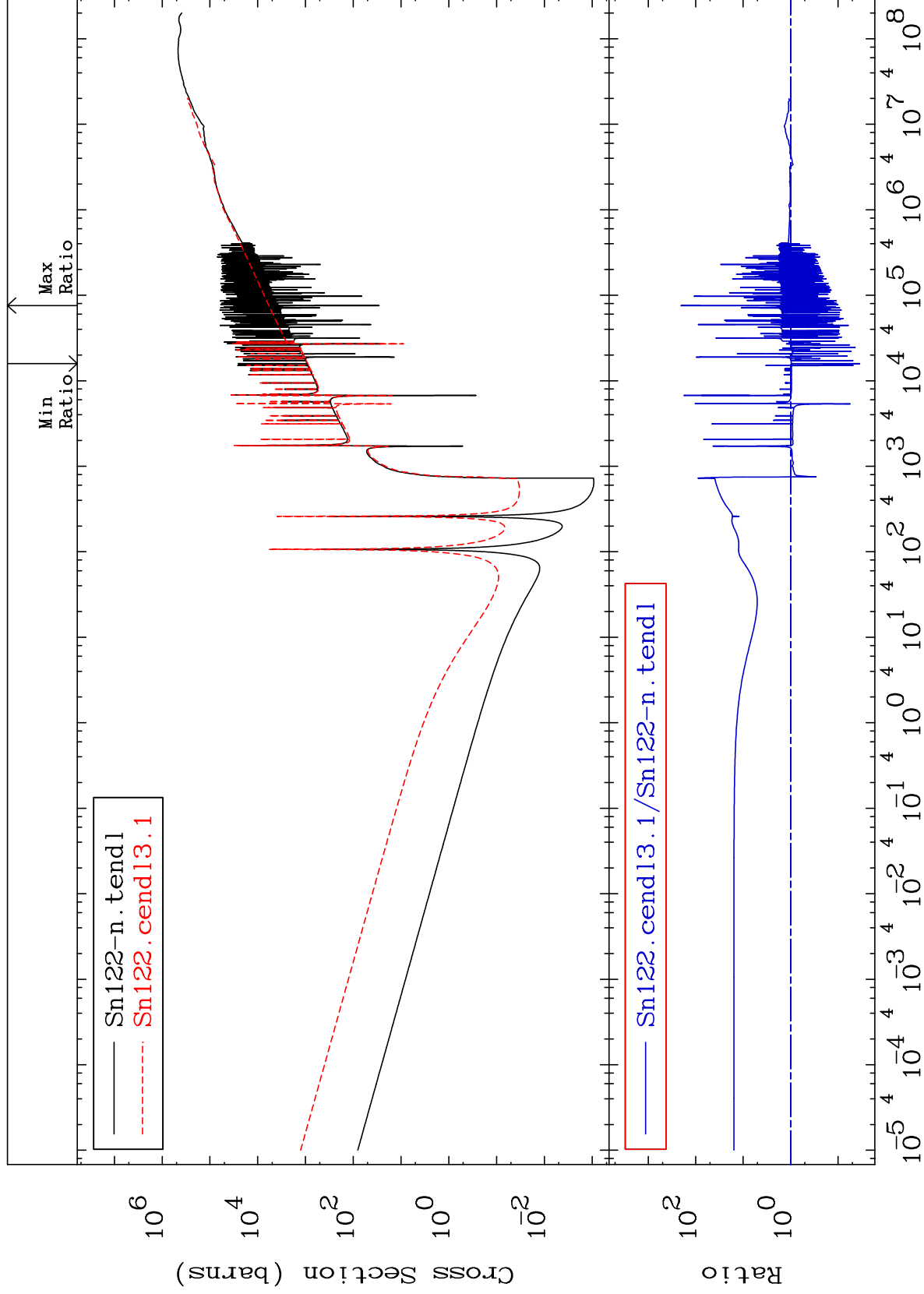
MAT 5055

Dpa total (eV-barns)

50-Sn-122

Cross Section

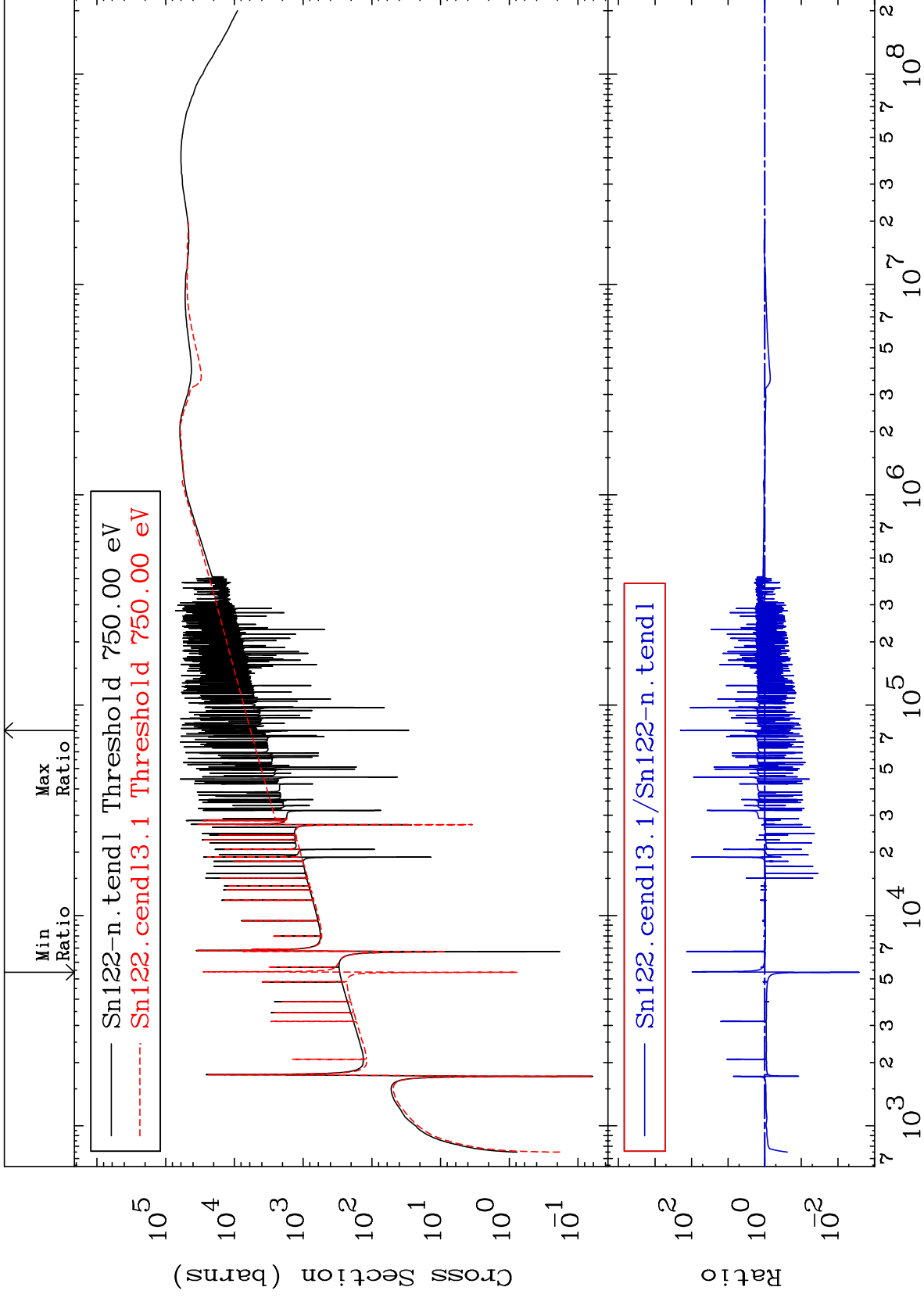
-96.50 To 9999. %



MAT 5055

Dpa elastic (mt2)
Cross Section

50-Sn-122
-99.74 To 9999. %



47

Incident Energy (eV)

50-Sn-122

MAT 5055

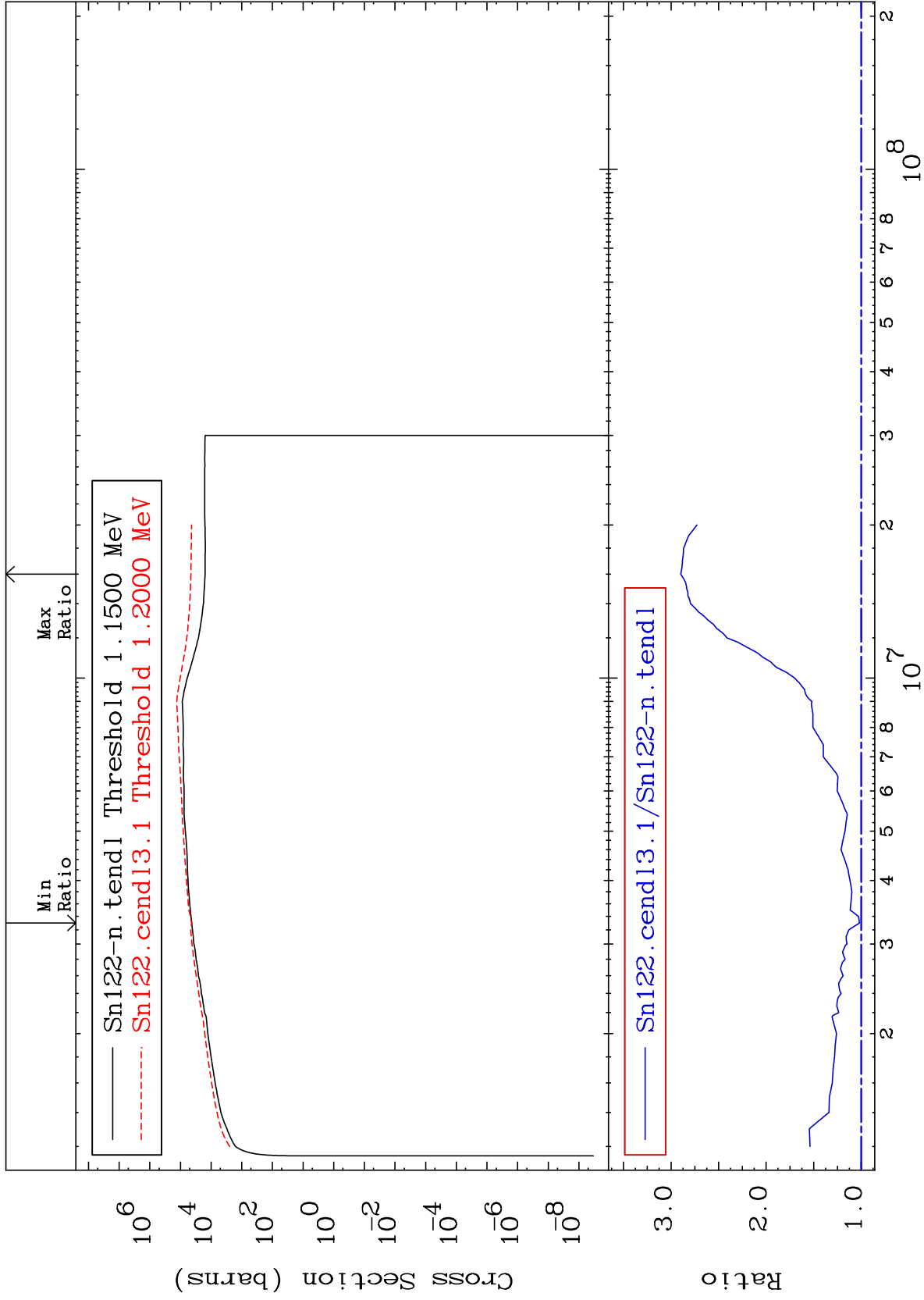
Dpa inelastic (mt51-91)

50-Sn-122

Cross Section

1.784

To 189.8 %



MAT 5055

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-122
-99.99 To 9999. %

