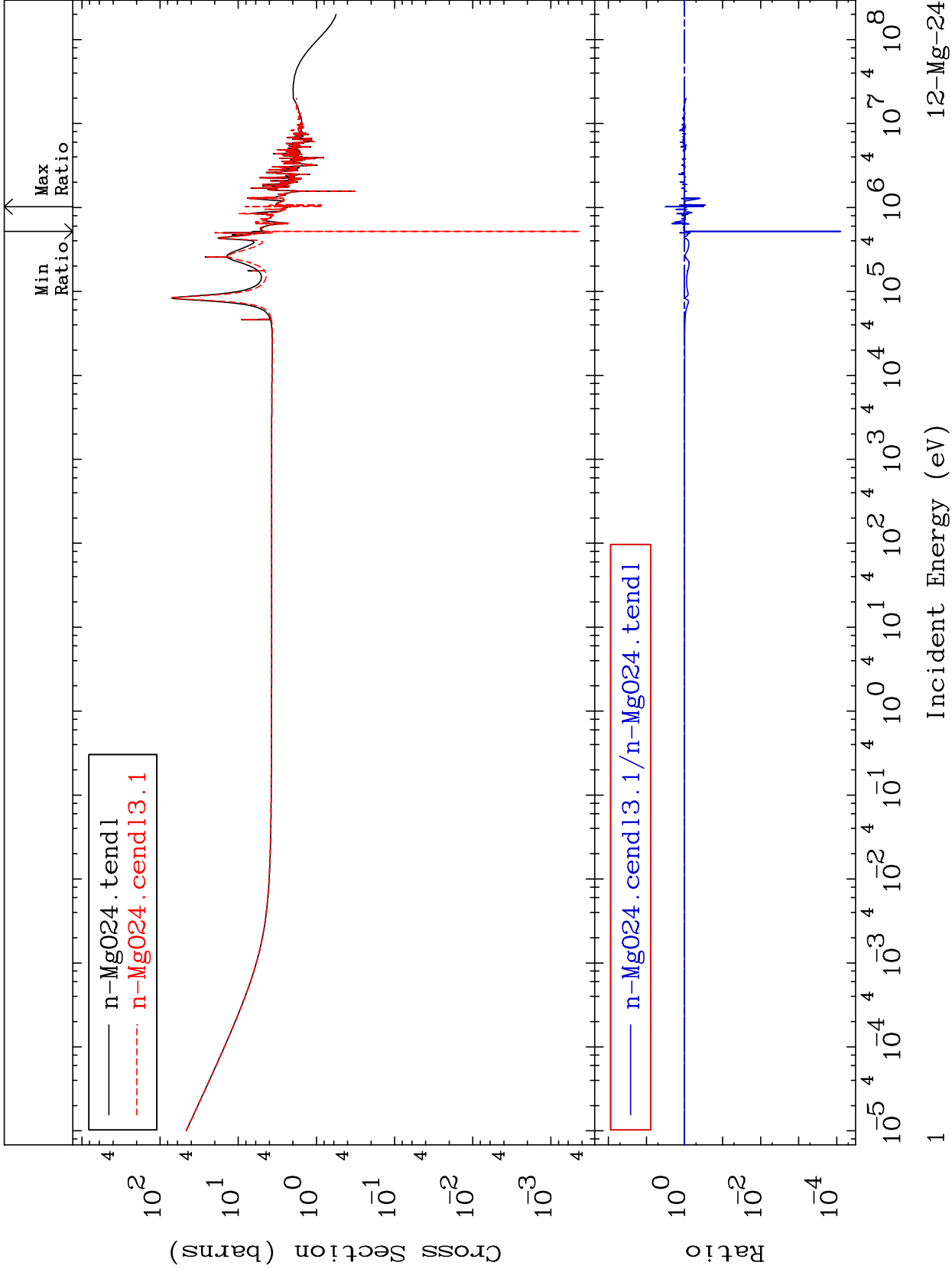


MAT 1225

Total
Cross Section

12-Mg-24
-99.99 To 216.2 %



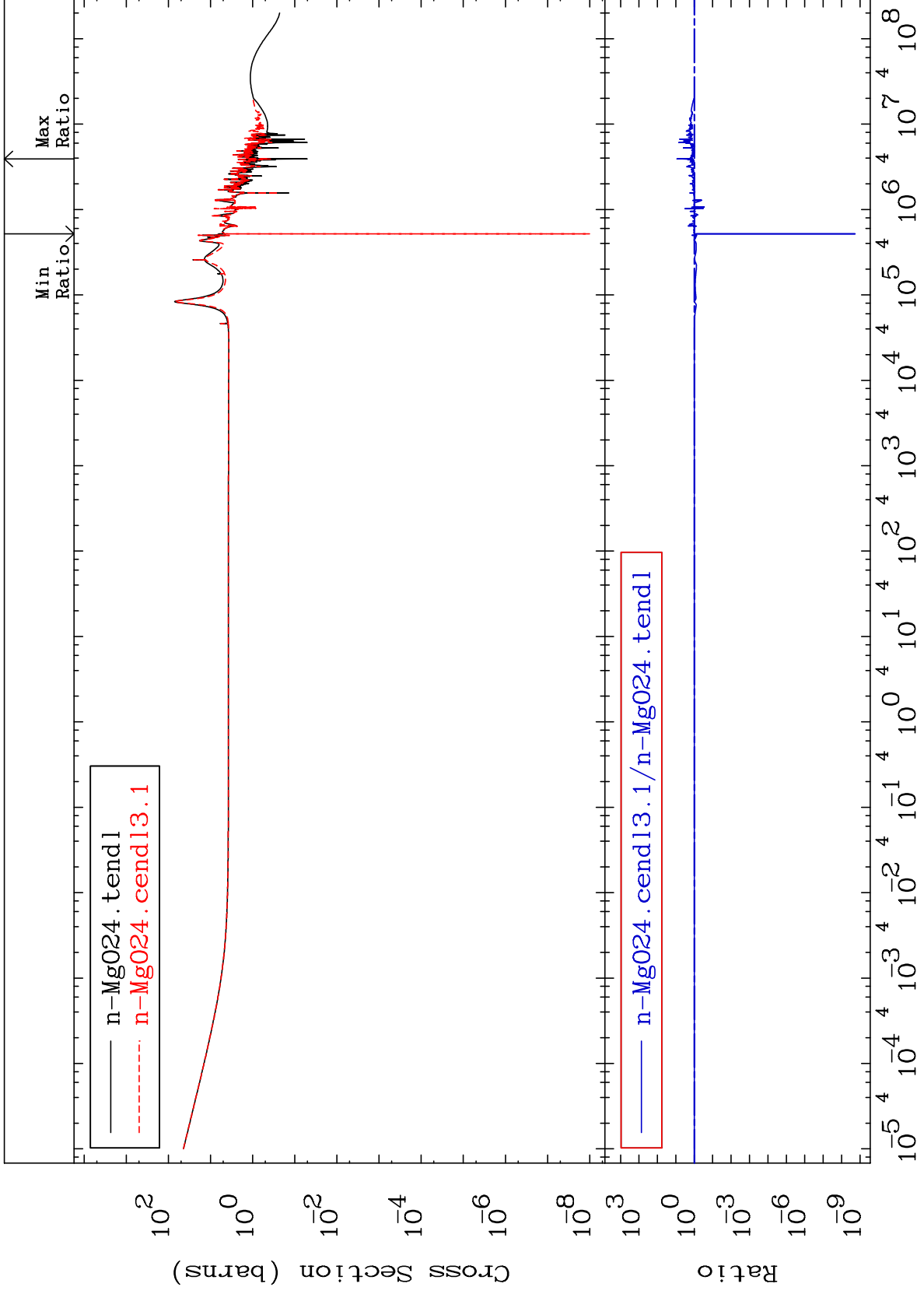
12-Mg-24

12-Mg-24

MAT 1225

Elastic
Cross Section

12-Mg-24
-100.0 To 770.7 %



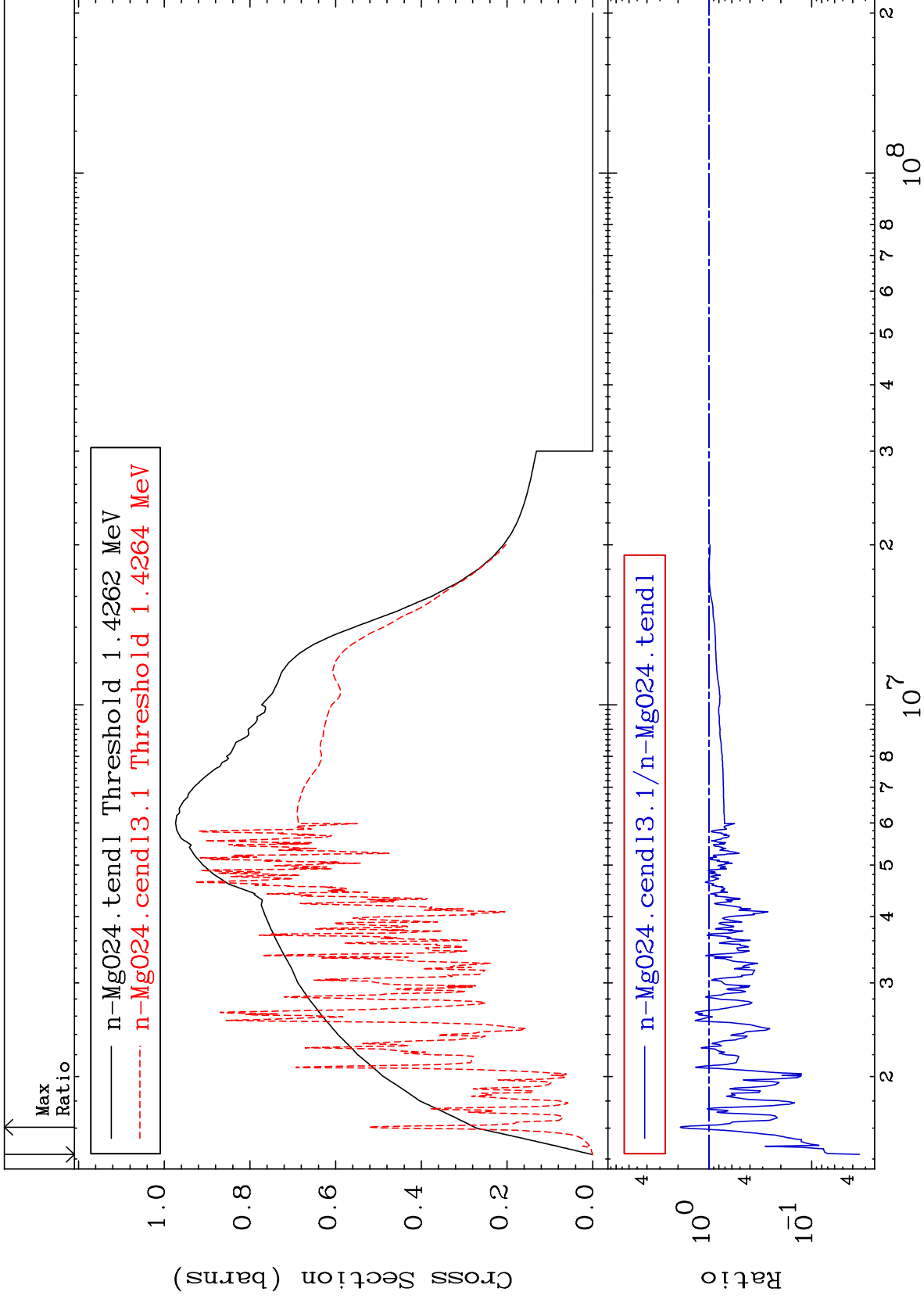
Incident Energy (eV)

12-Mg-24

MAT 1225

Inelastic
Cross Section

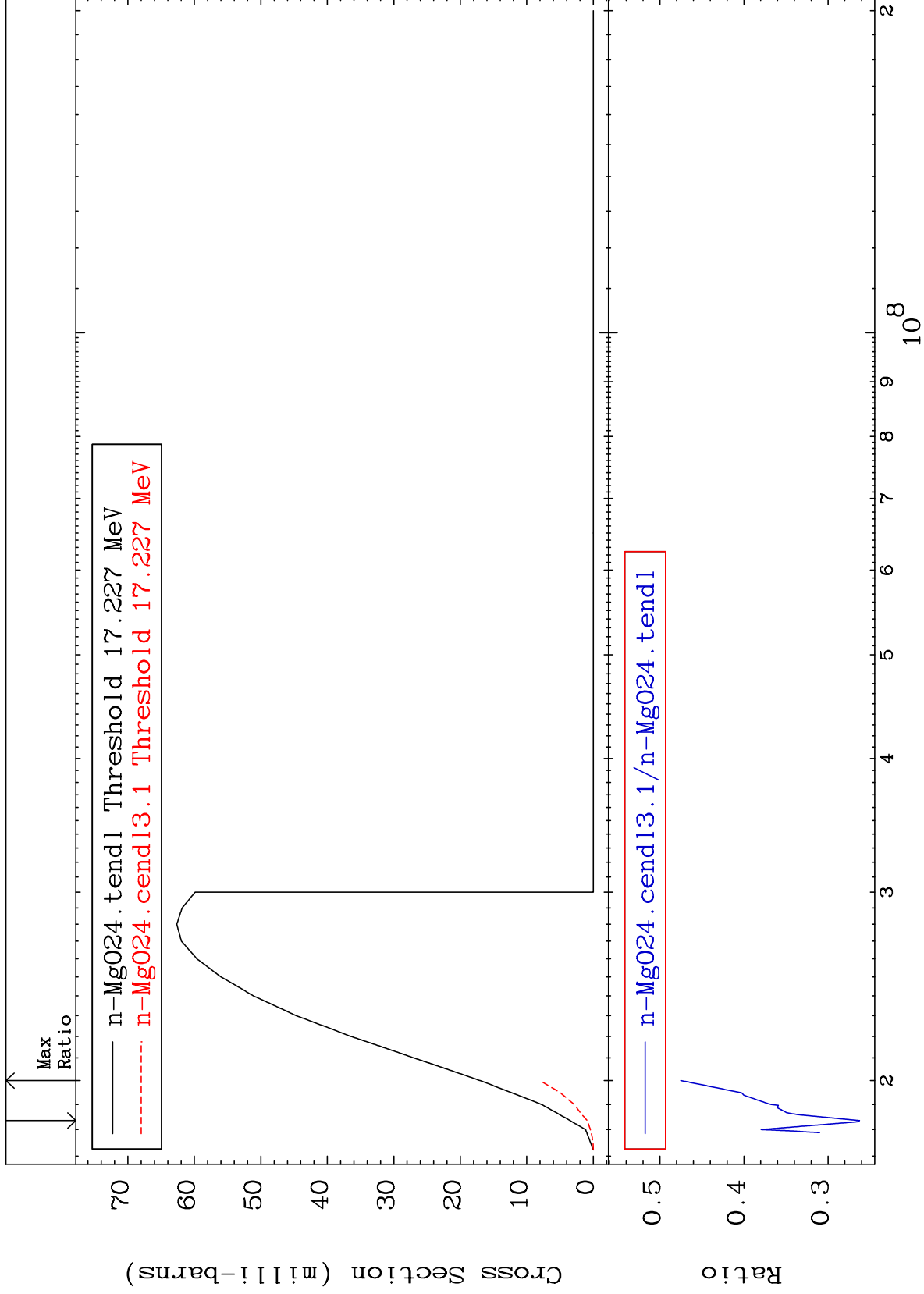
12-Mg-24
-96.56 To 89.71 %



MAT 1225

(n,2n)
Cross Section

12-Mg-24
-73.75 To -52.49%



4

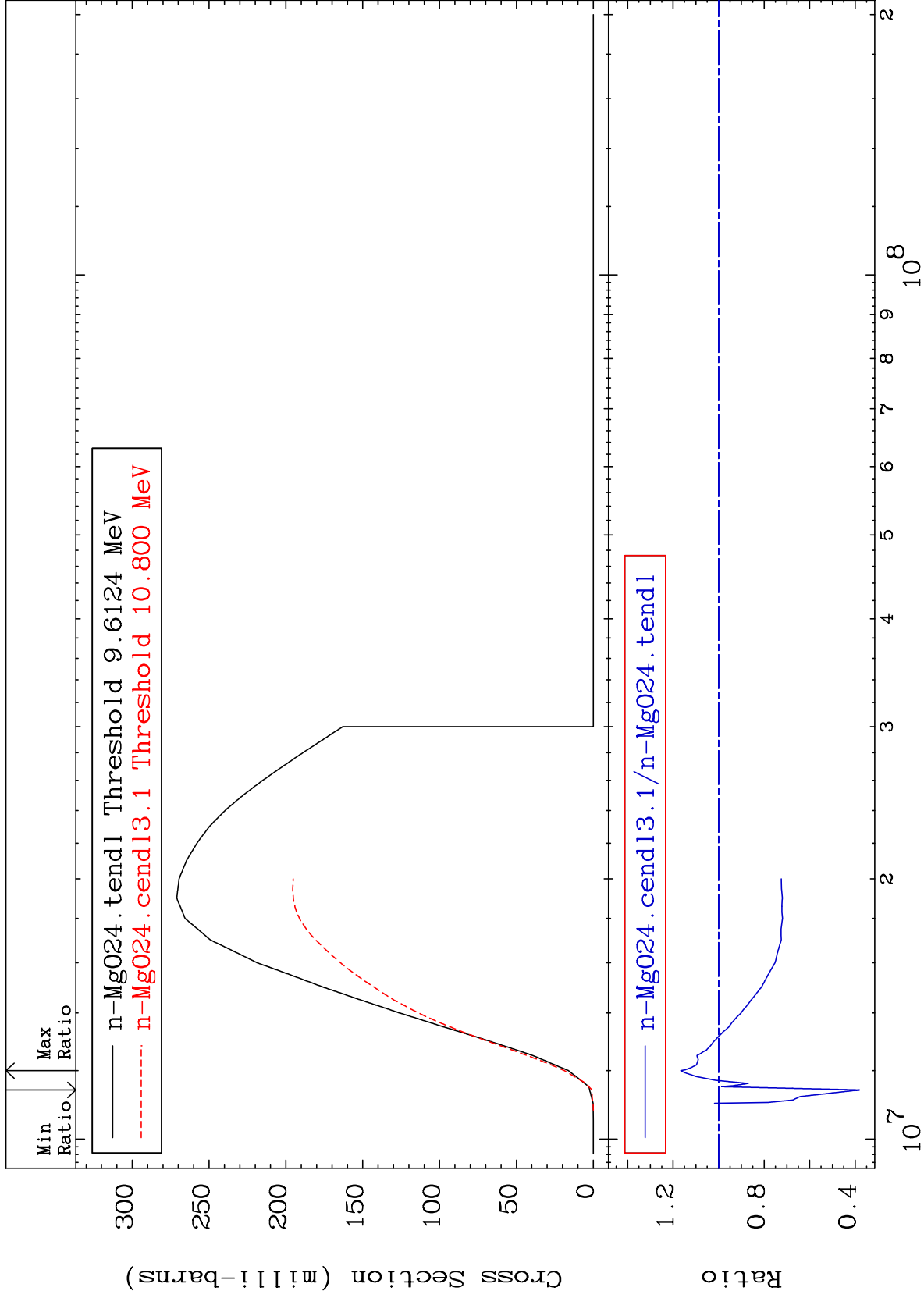
Incident Energy (eV)

12-Mg-24

MAT 1225

(n, n') α
Cross Section

12-Mg-24
-61.92 To 16.64 %



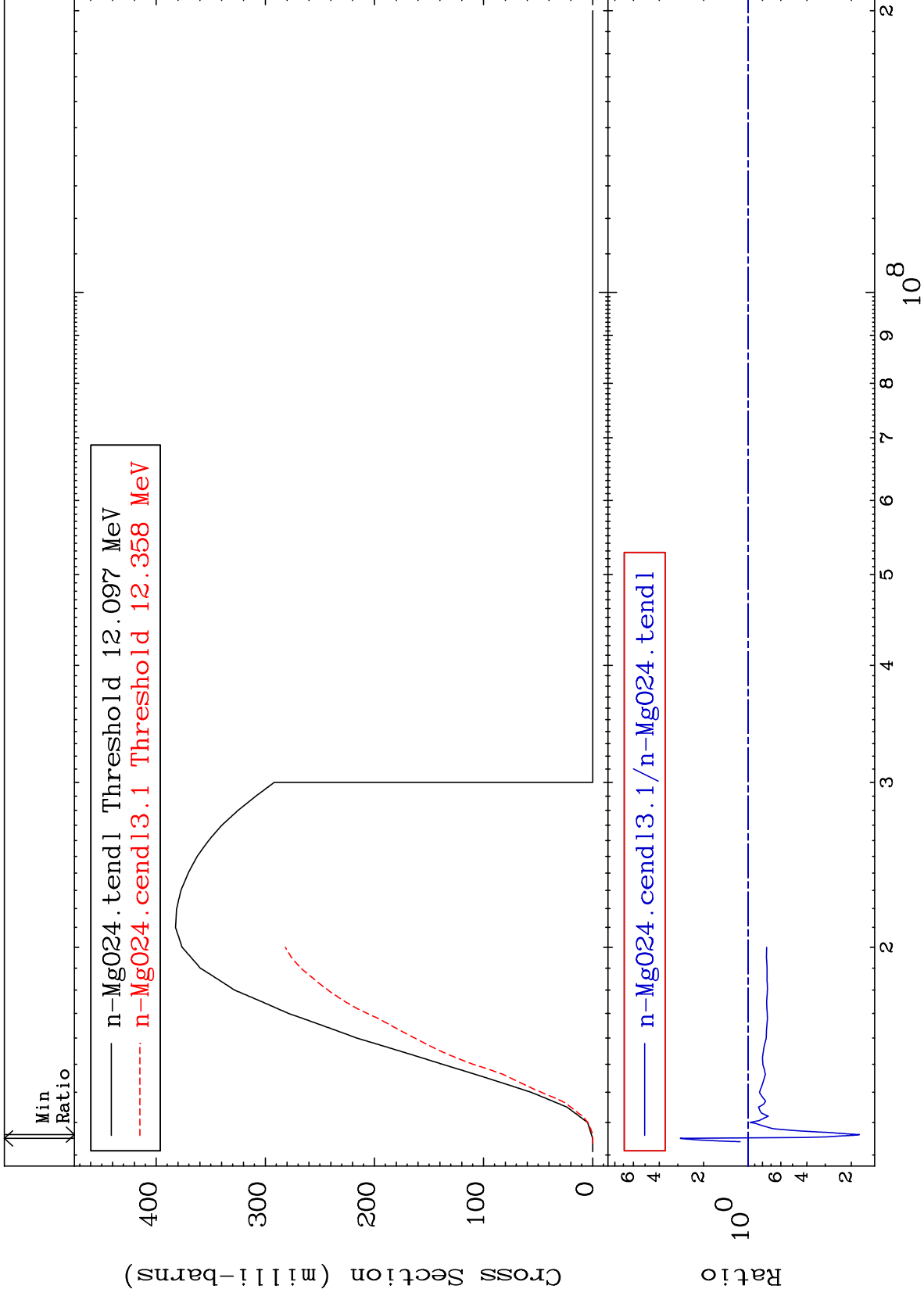
12-Mg-24

Incident Energy (eV)

MAT 1225

(n, n') p
Cross Section

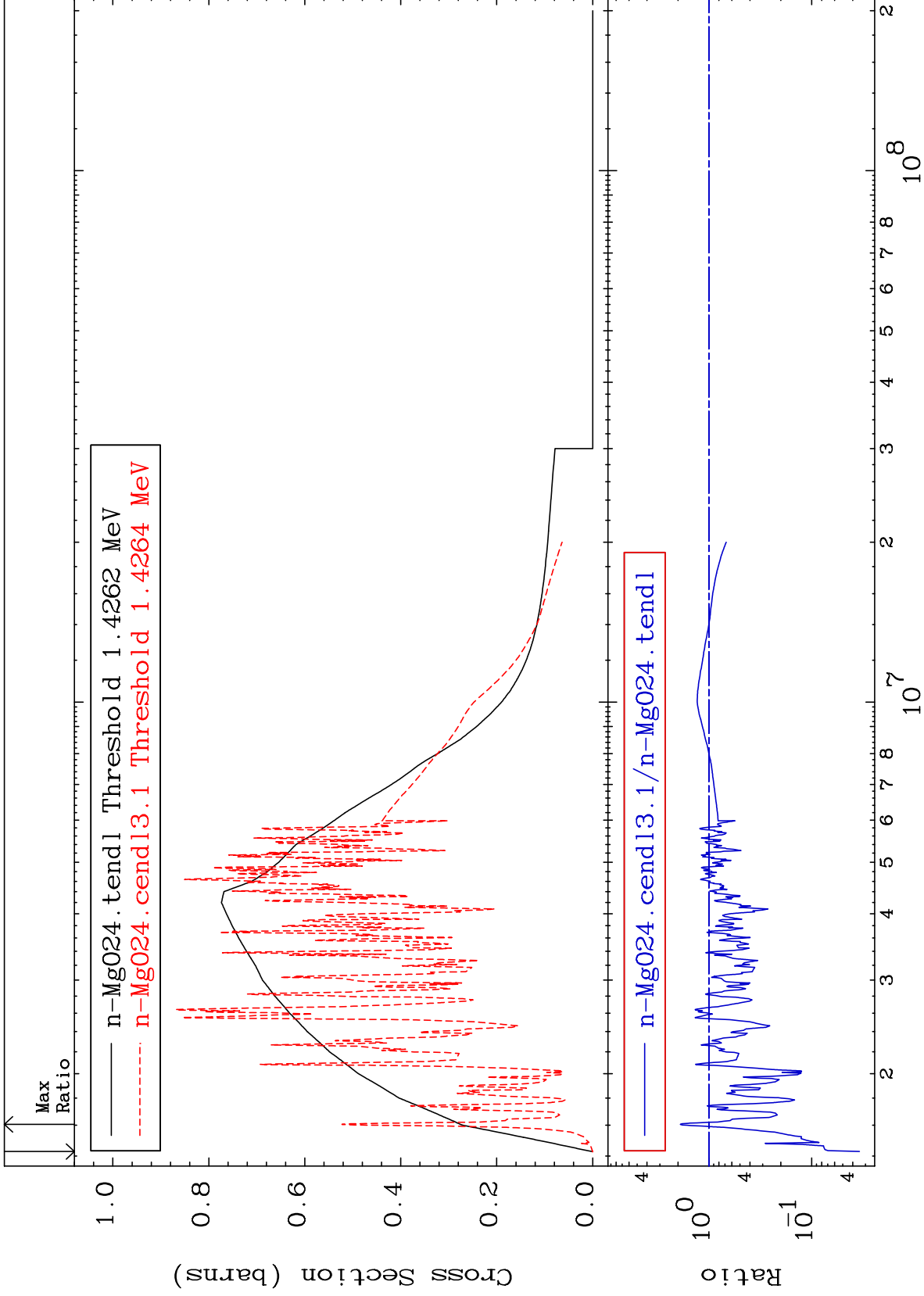
12-Mg-24
-82.41 To 187.9 %



MAT 1225

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

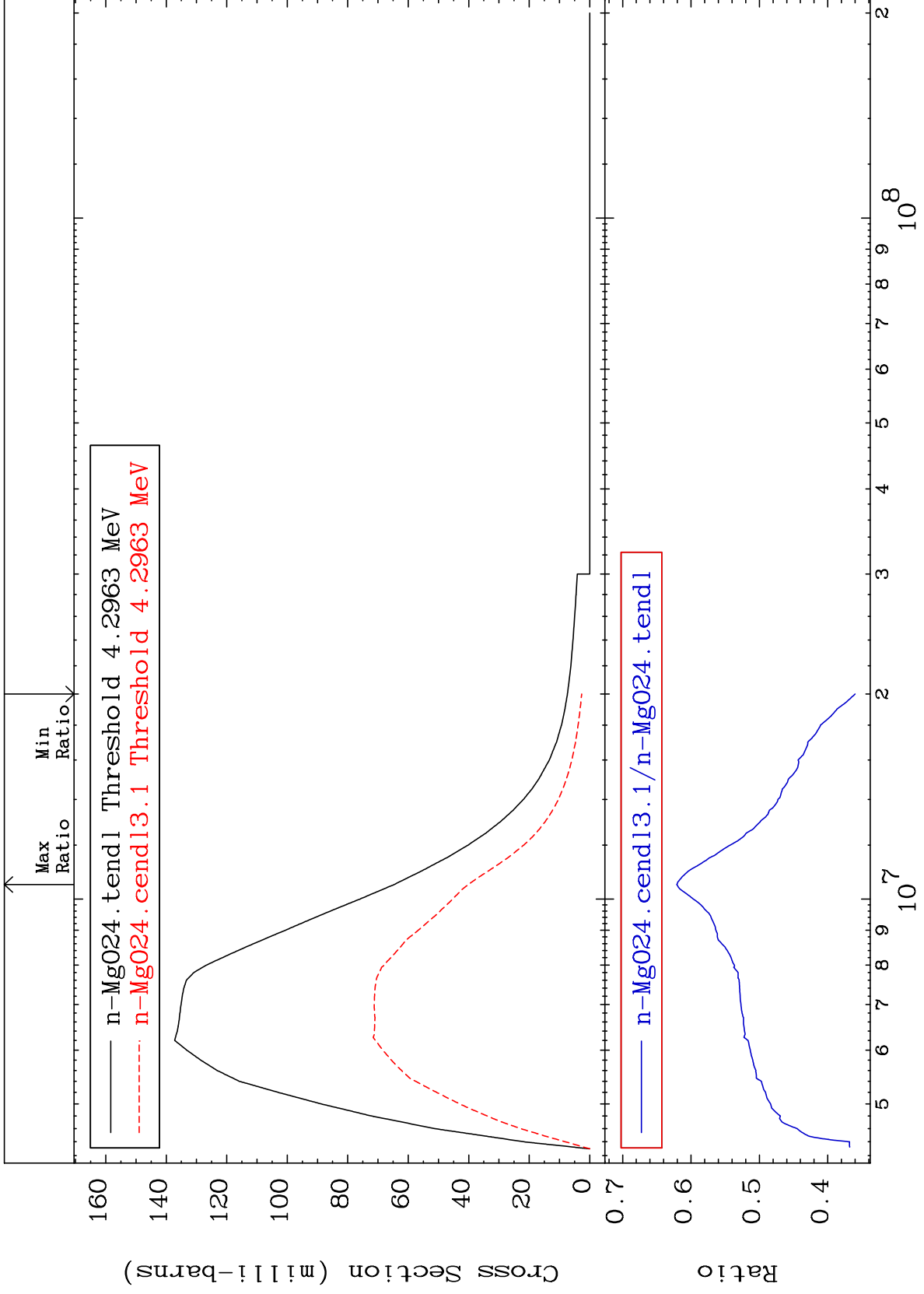
12-Mg-24
-96.56 To 89.71 %



MAT 1225

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

12-Mg-24
-64.00 To -37.94%



8

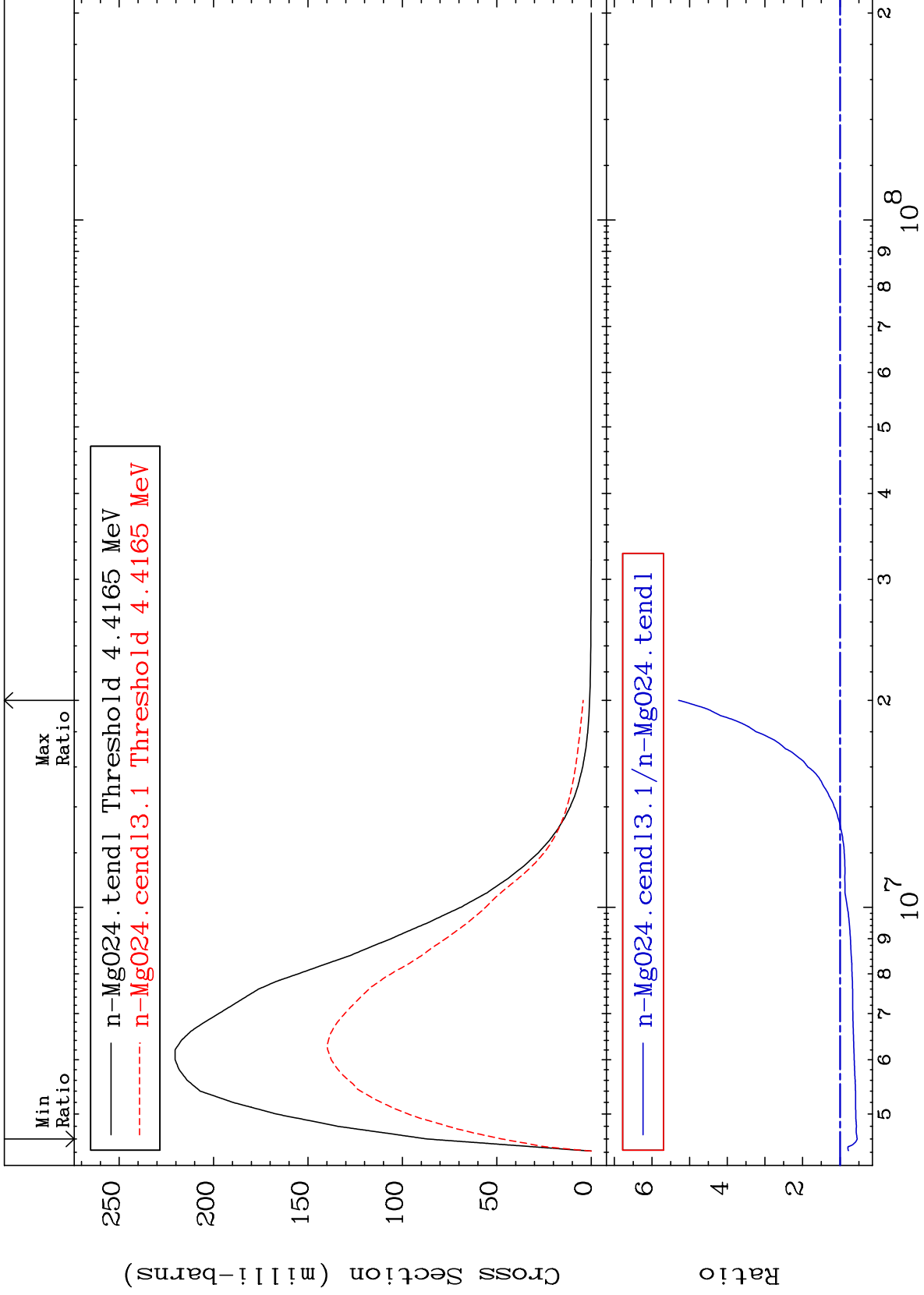
Incident Energy (eV)

12-Mg-24

MAT 1225

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

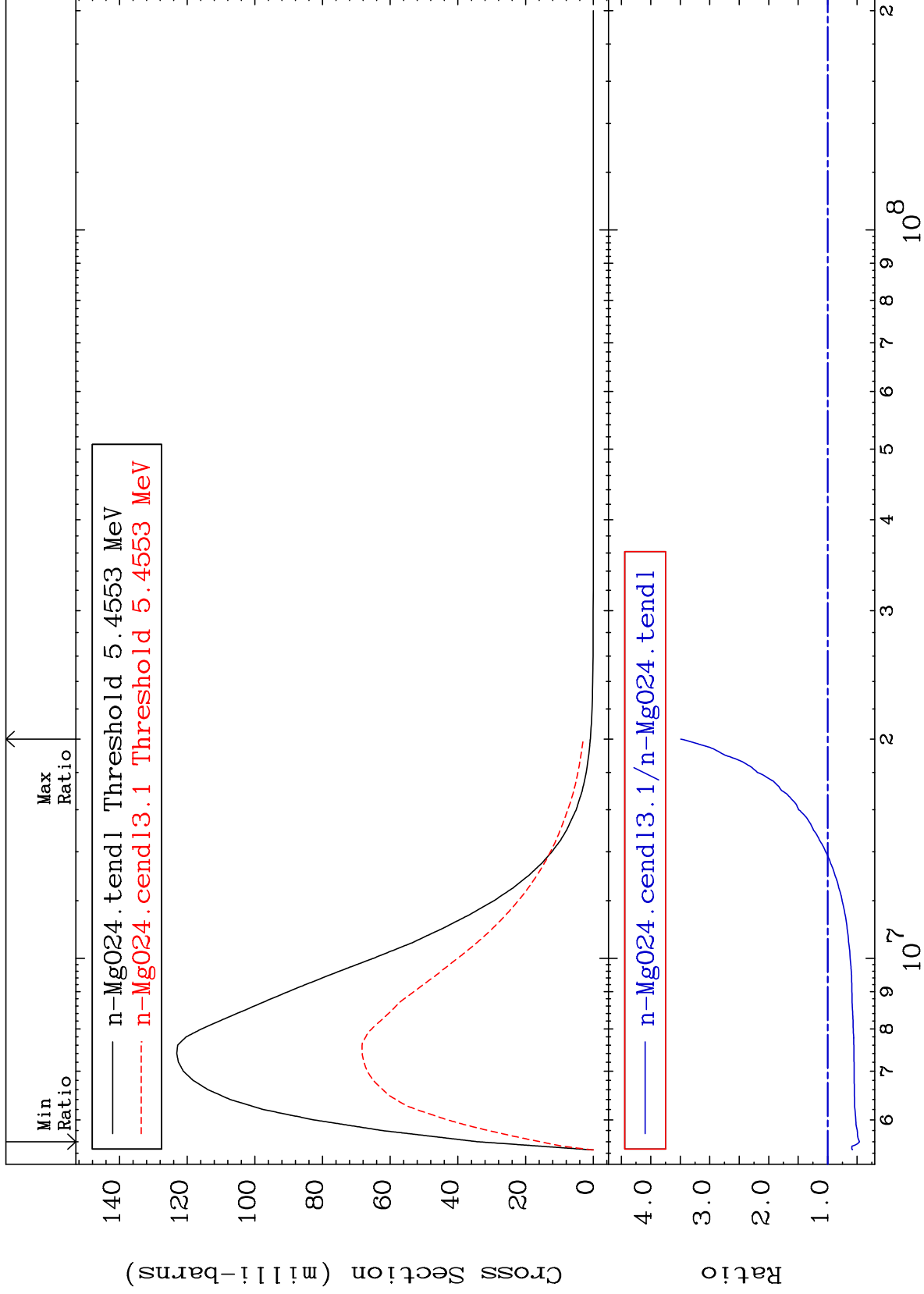
12-Mg-24
-45.62 To 429.1 %



MAT 1225

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

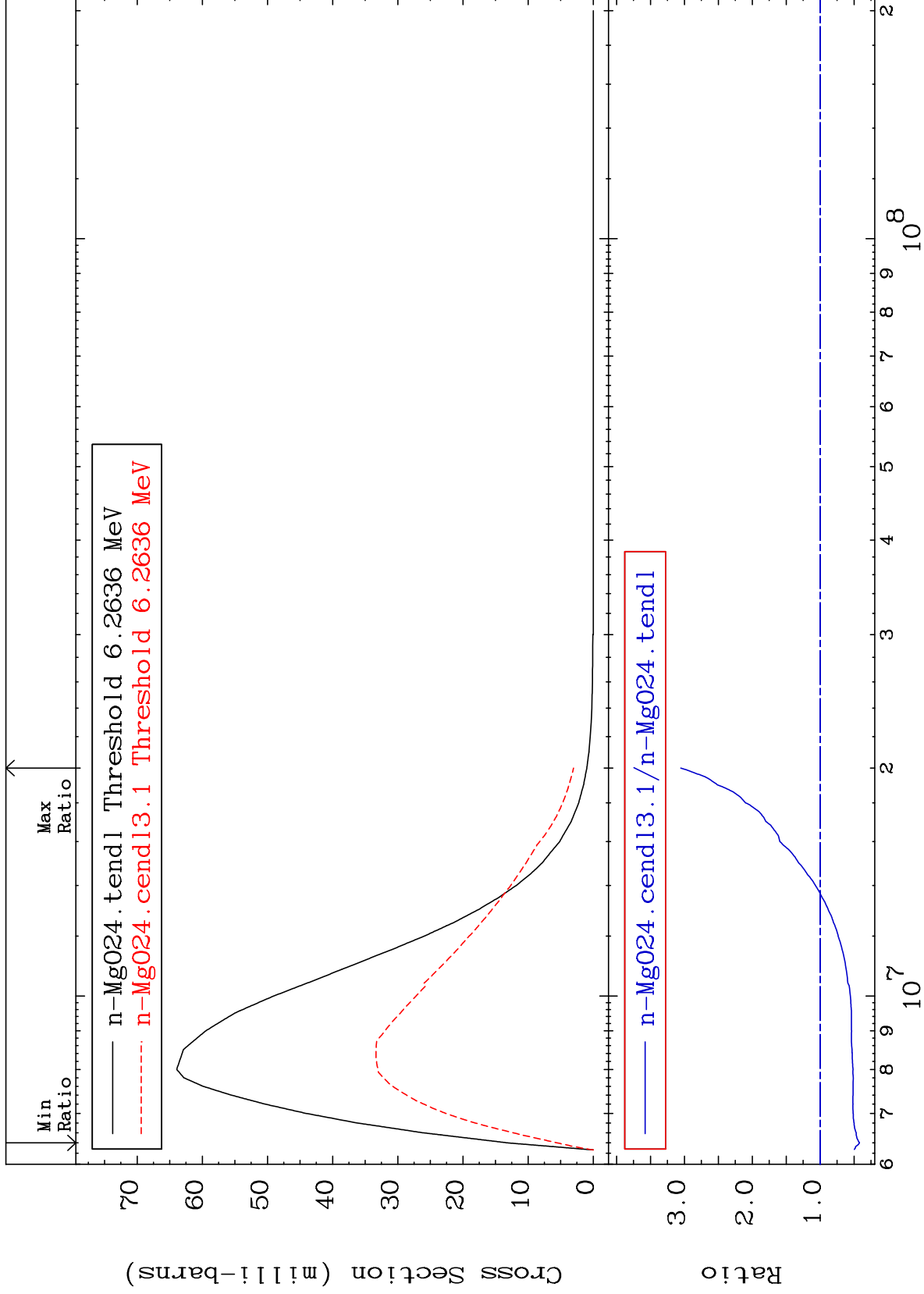
12-Mg-24
-54.10 To 249.2 %



MAT 1225

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

12-Mg-24
-58.03 To 205.4 %



11

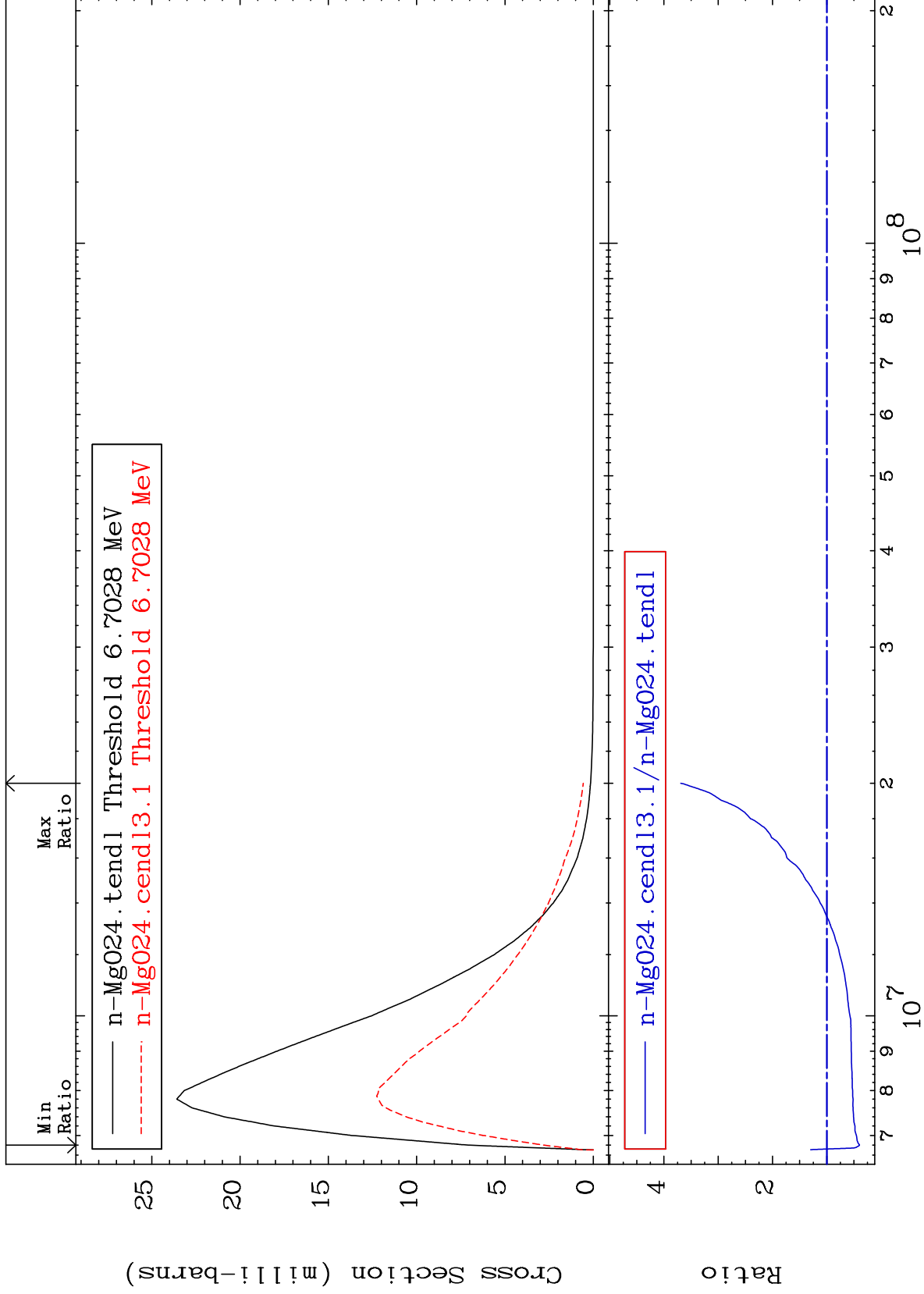
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-60.27 To 269.0 %



12

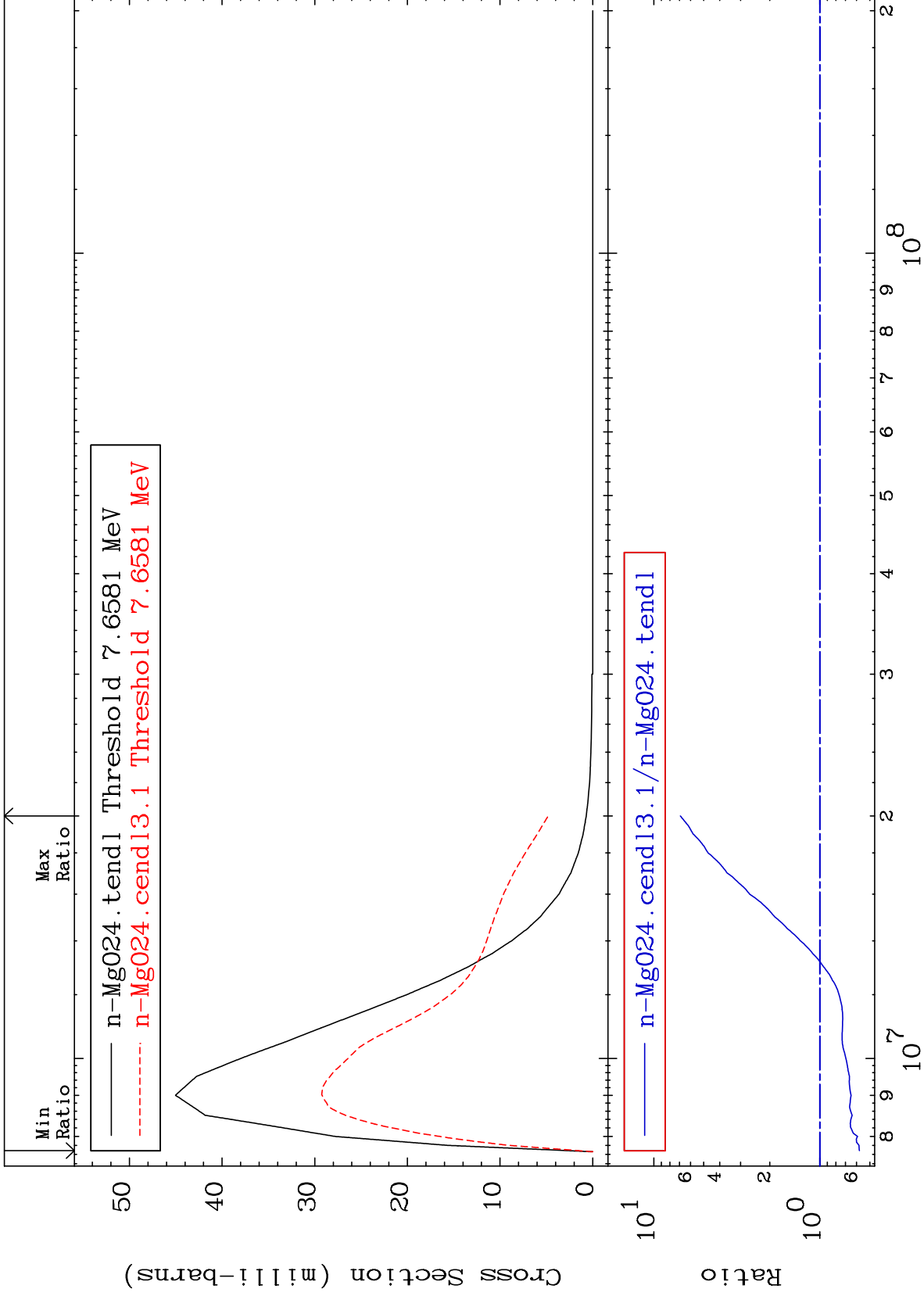
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-42.31 To 591.3 %



13

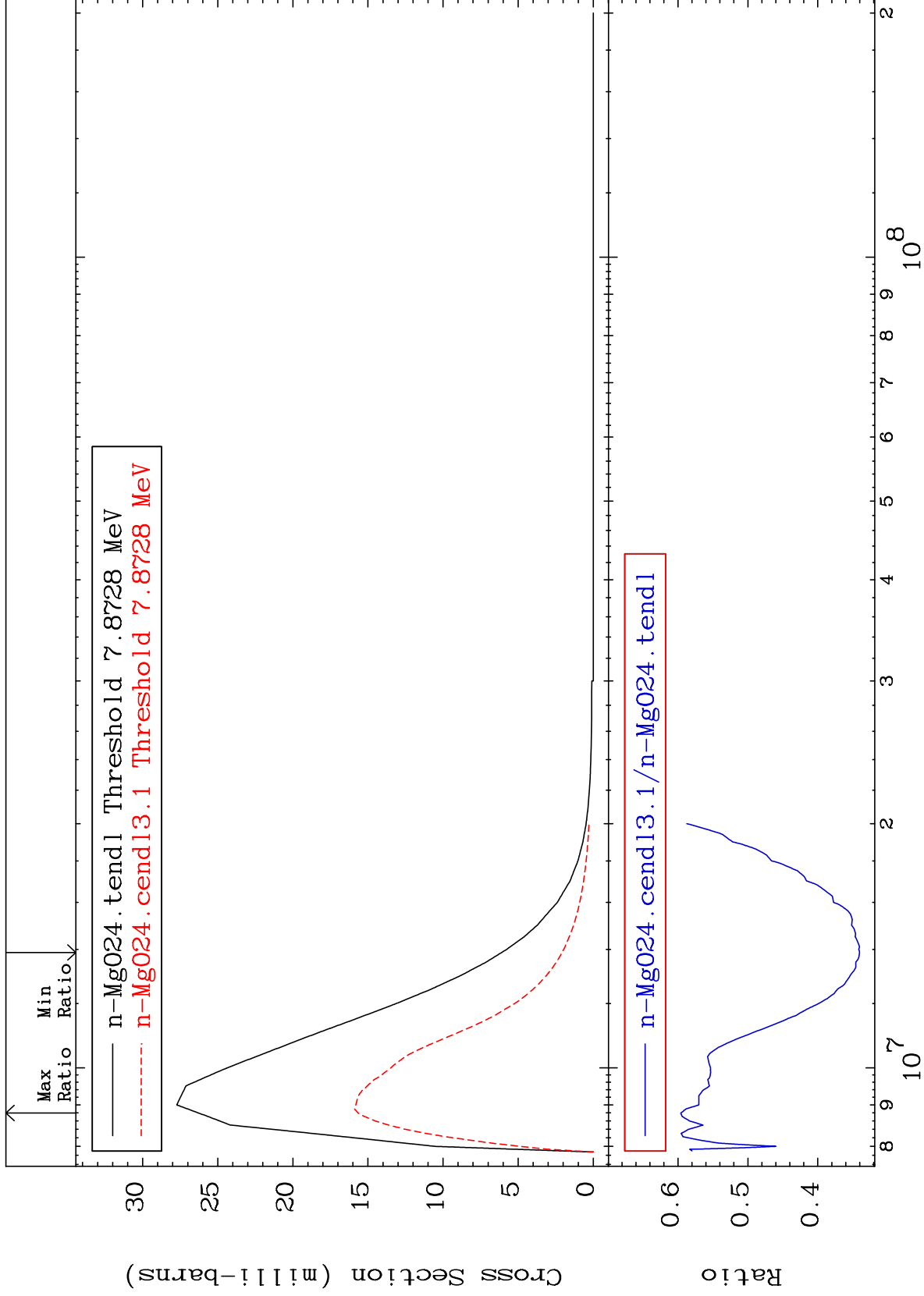
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-65.97 To -40.41%



14

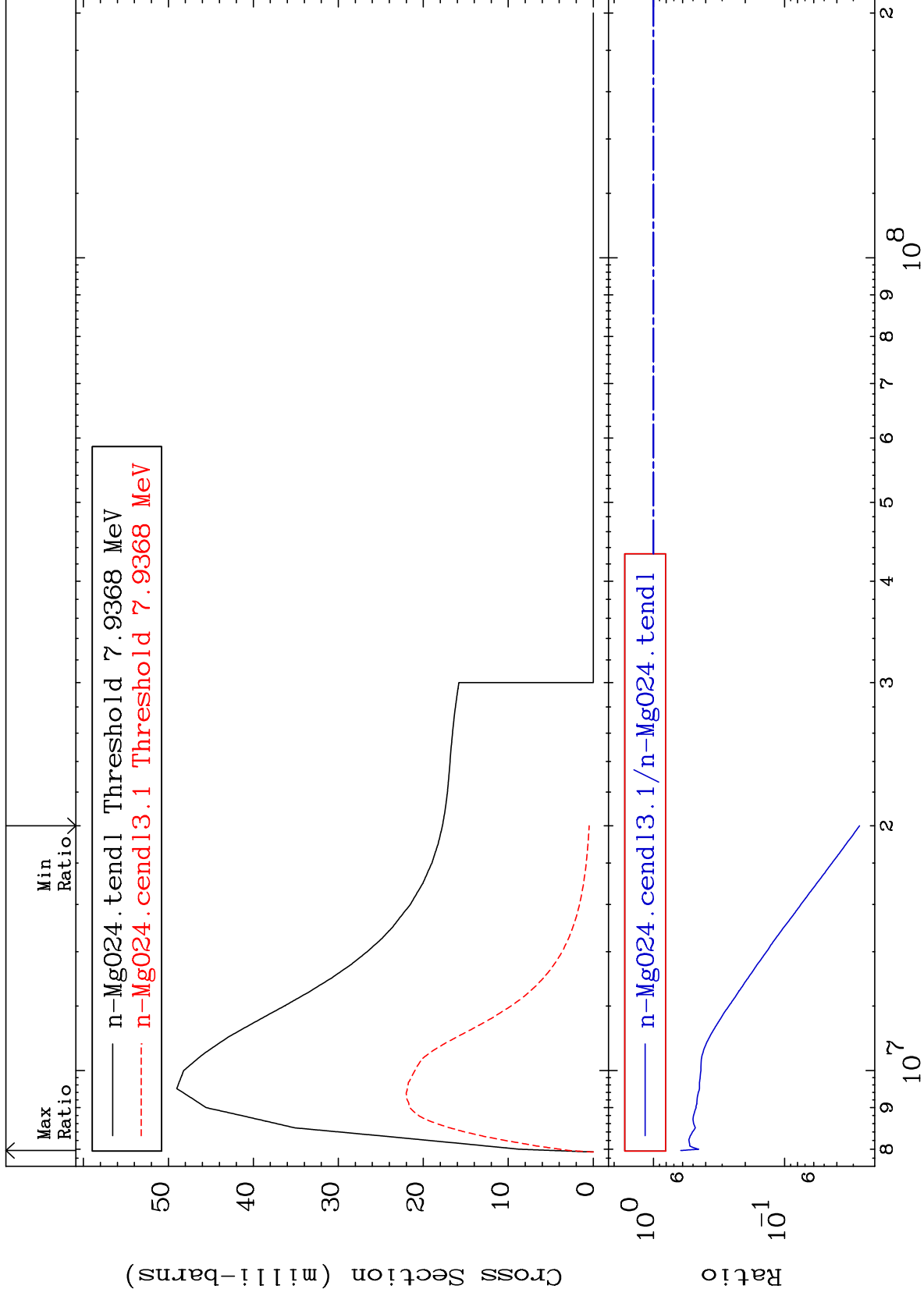
12-Mg-24

12-Mg-24

MAT 1225

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

12-Mg-24
-97.31 To -38.02%



15

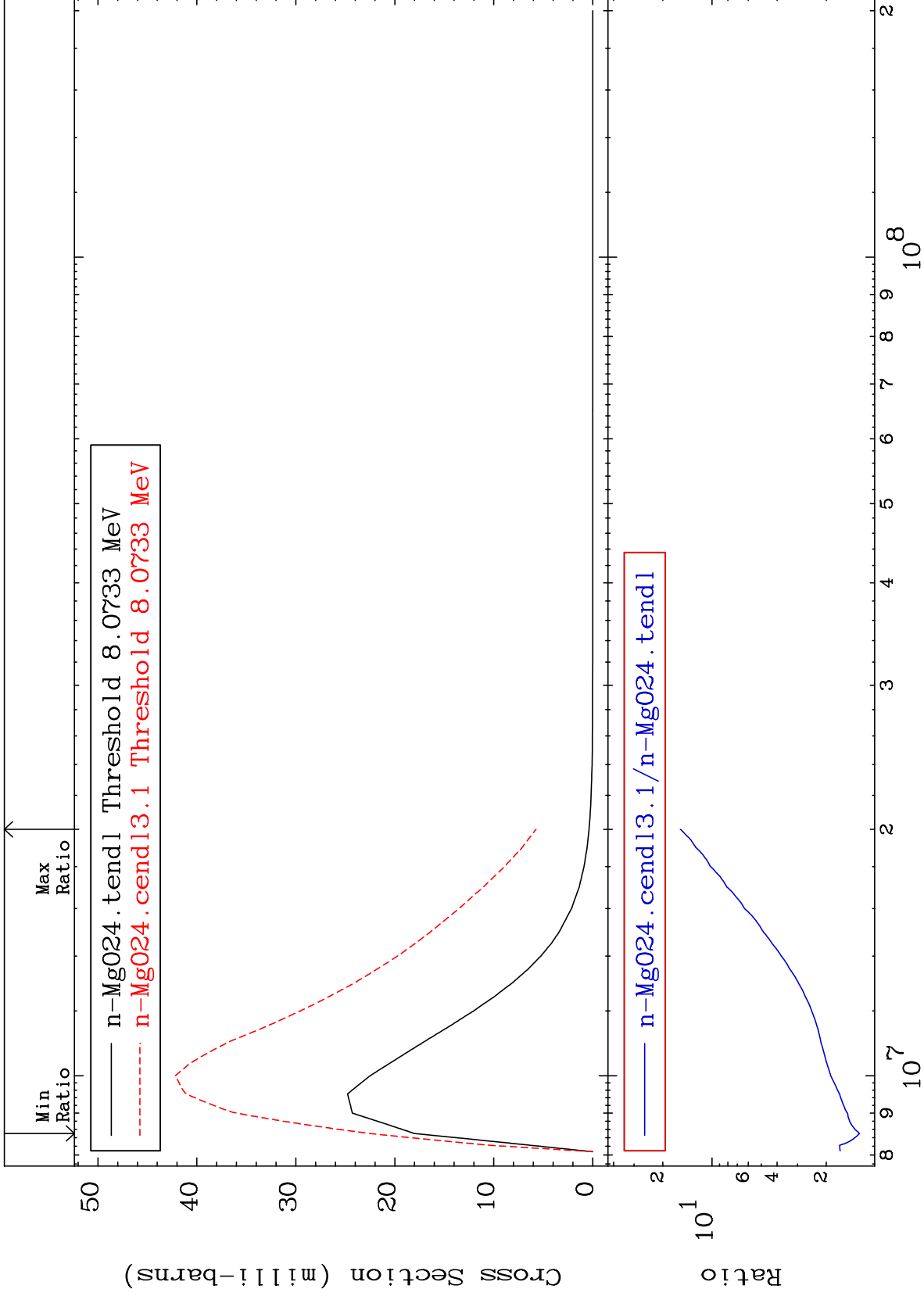
Incident Energy (eV)

12-Mg-24

MAT 1225

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

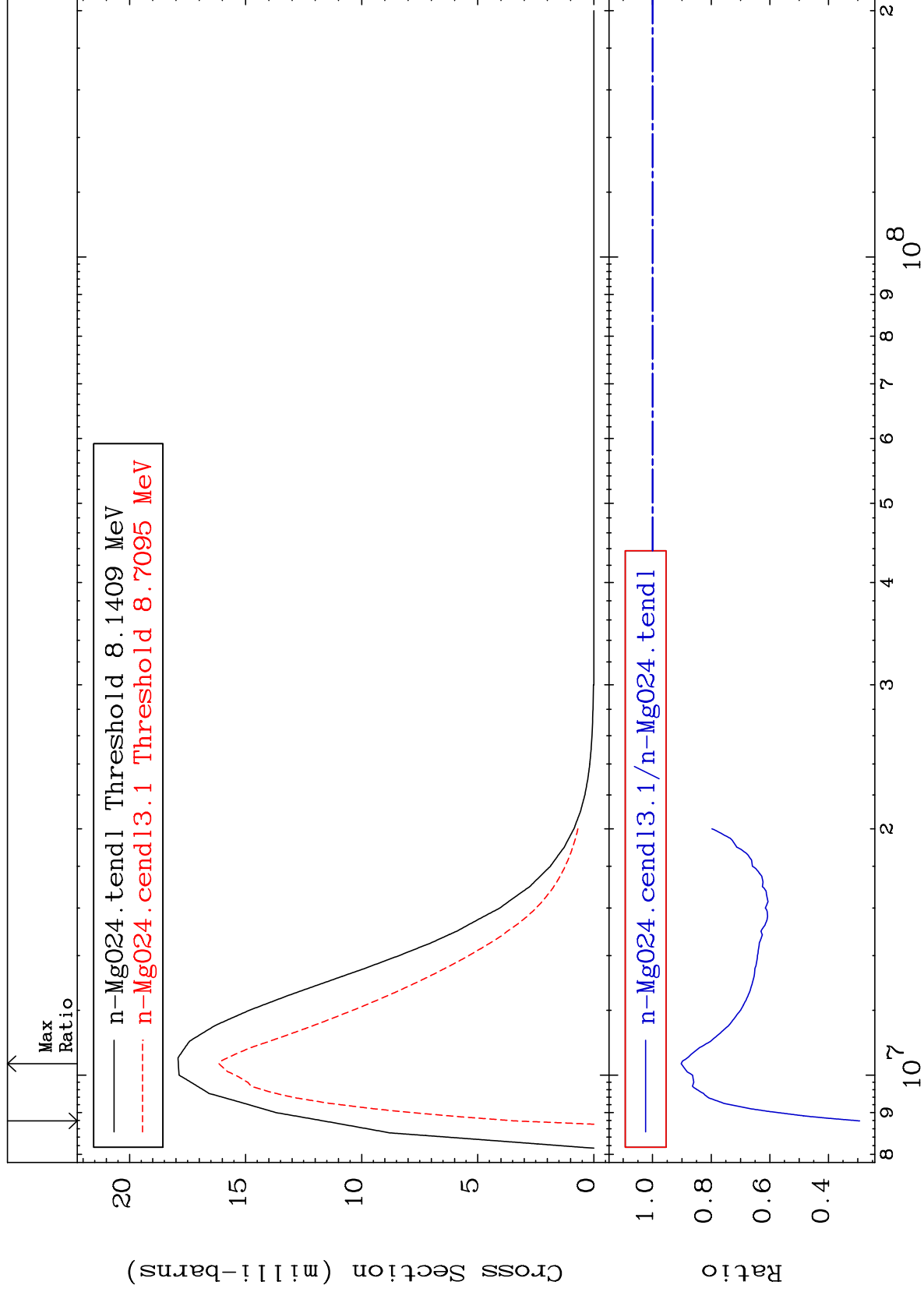
12-Mg-24
25.16 To 1462. %



MAT 1225

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

12-Mg-24
-70.64 To -9.763%



17

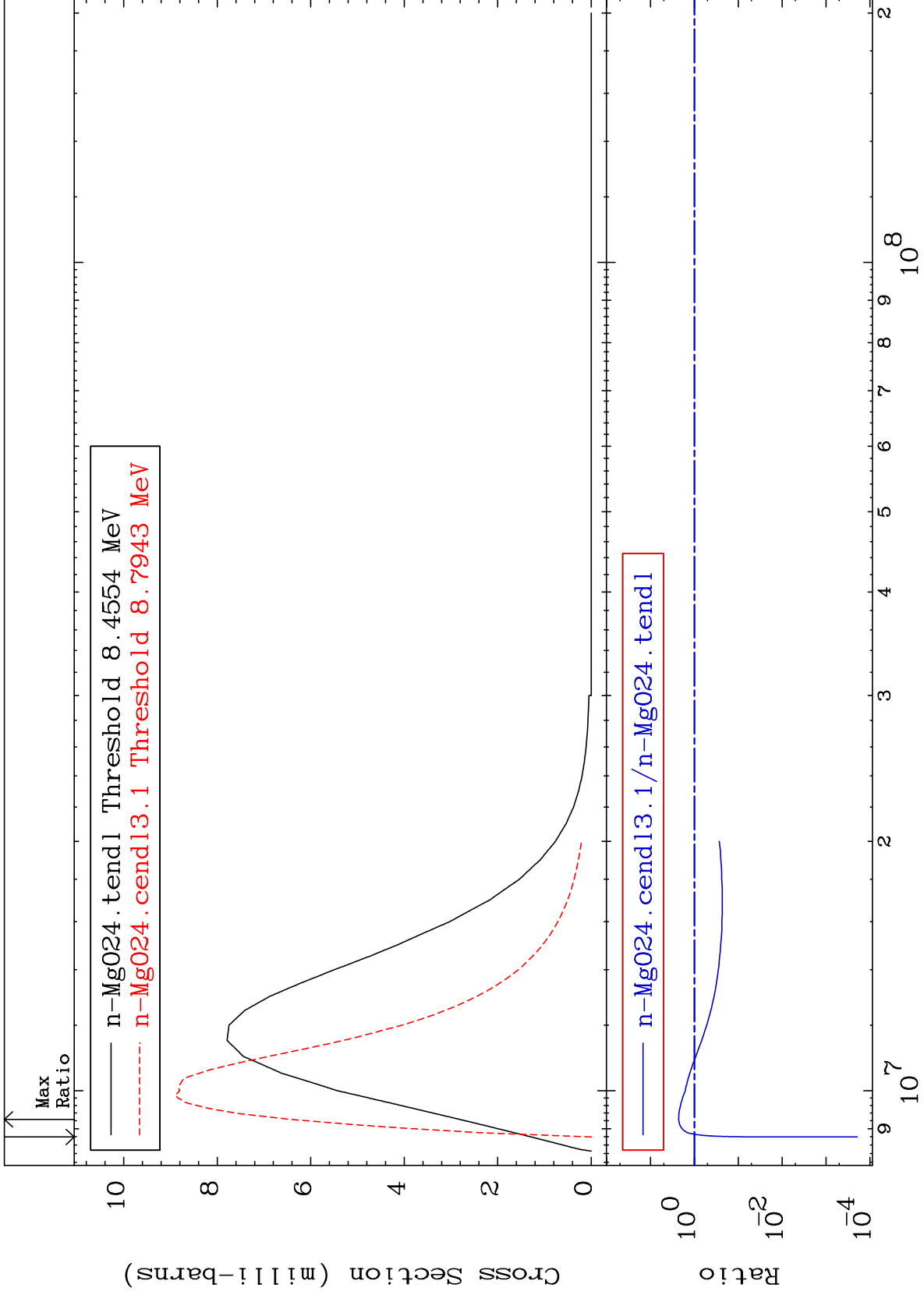
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-99.98 To 128.7 %



18

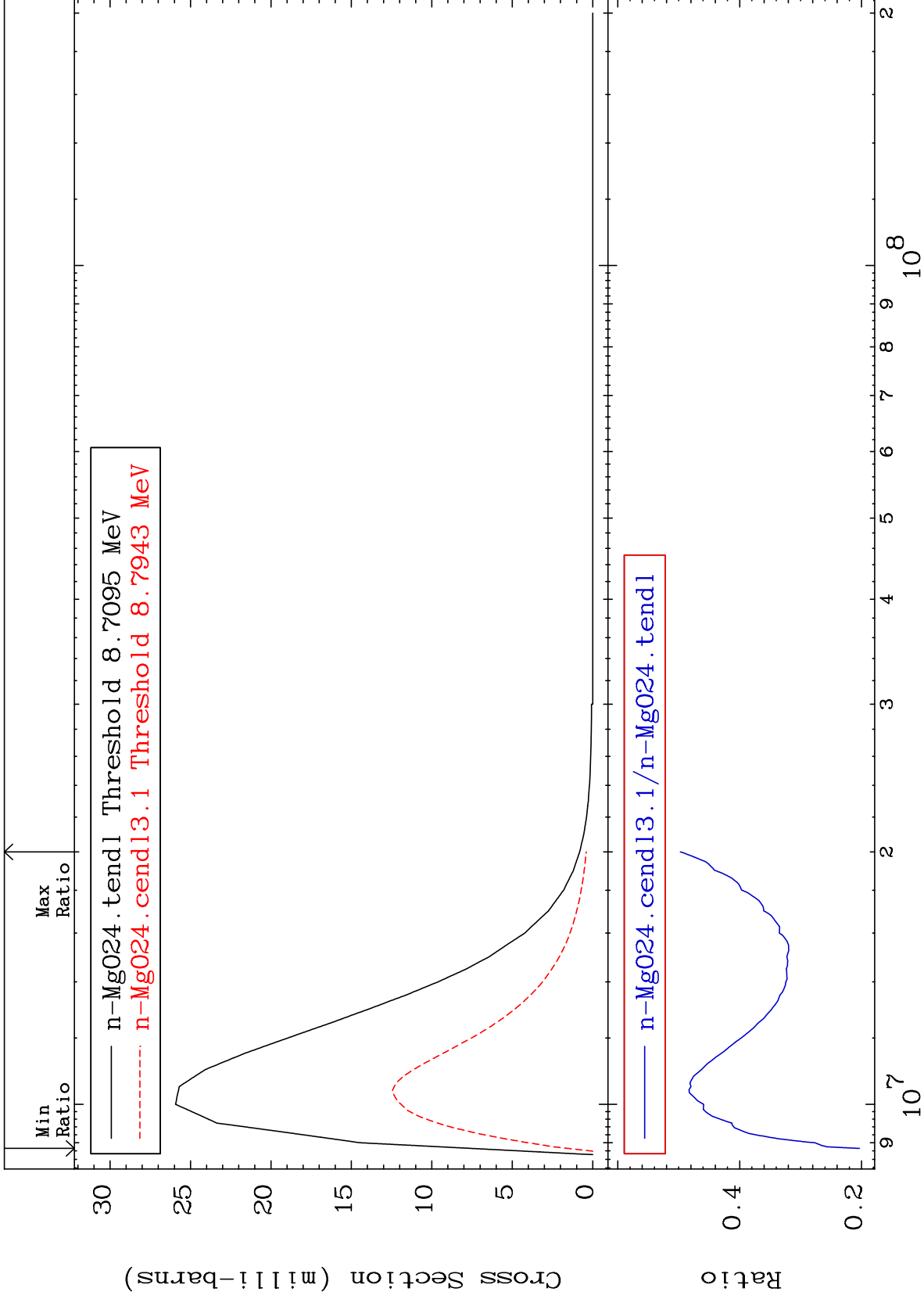
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-79.66 To -50.27%



19

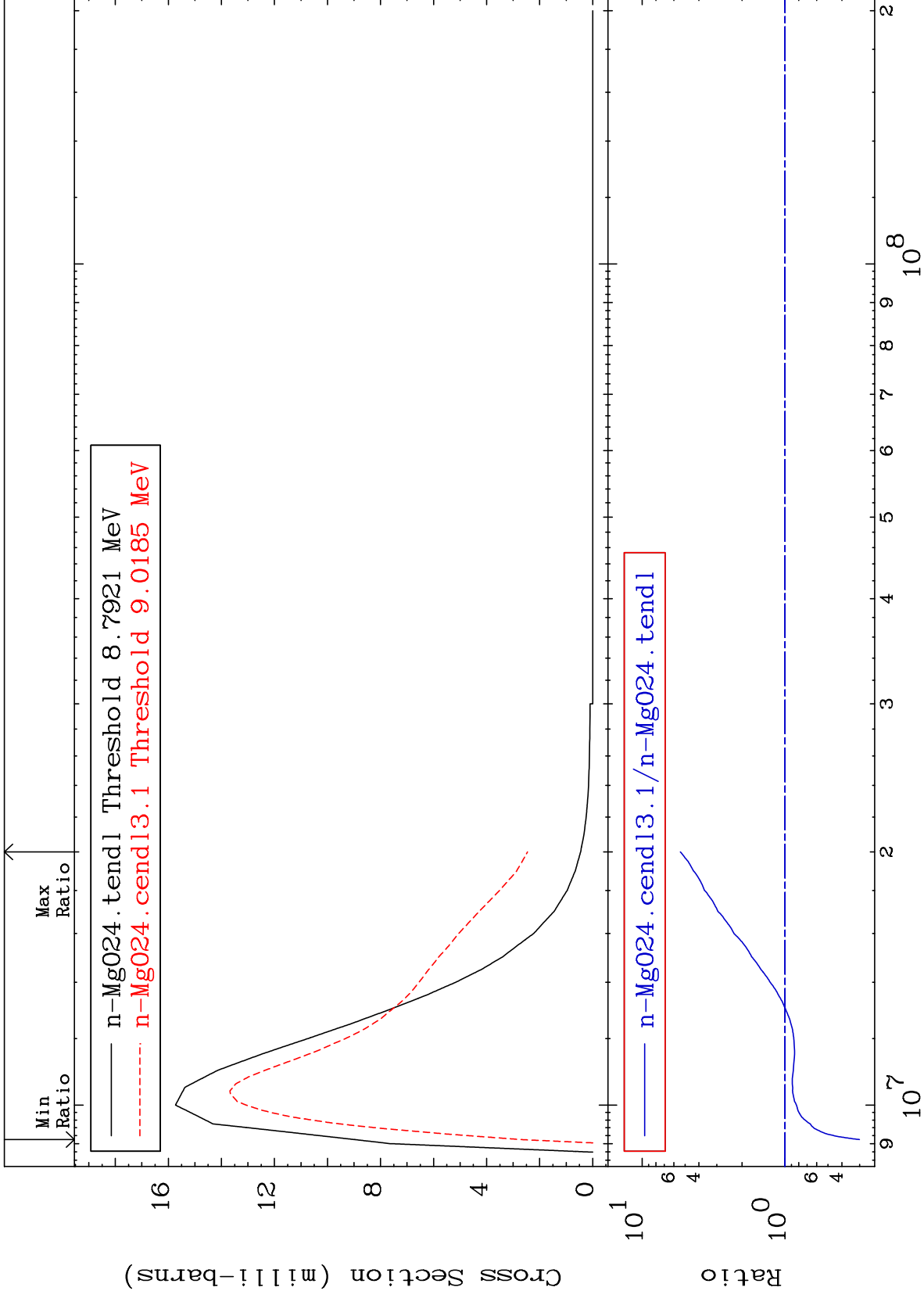
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-69.86 To 439.7 %



20

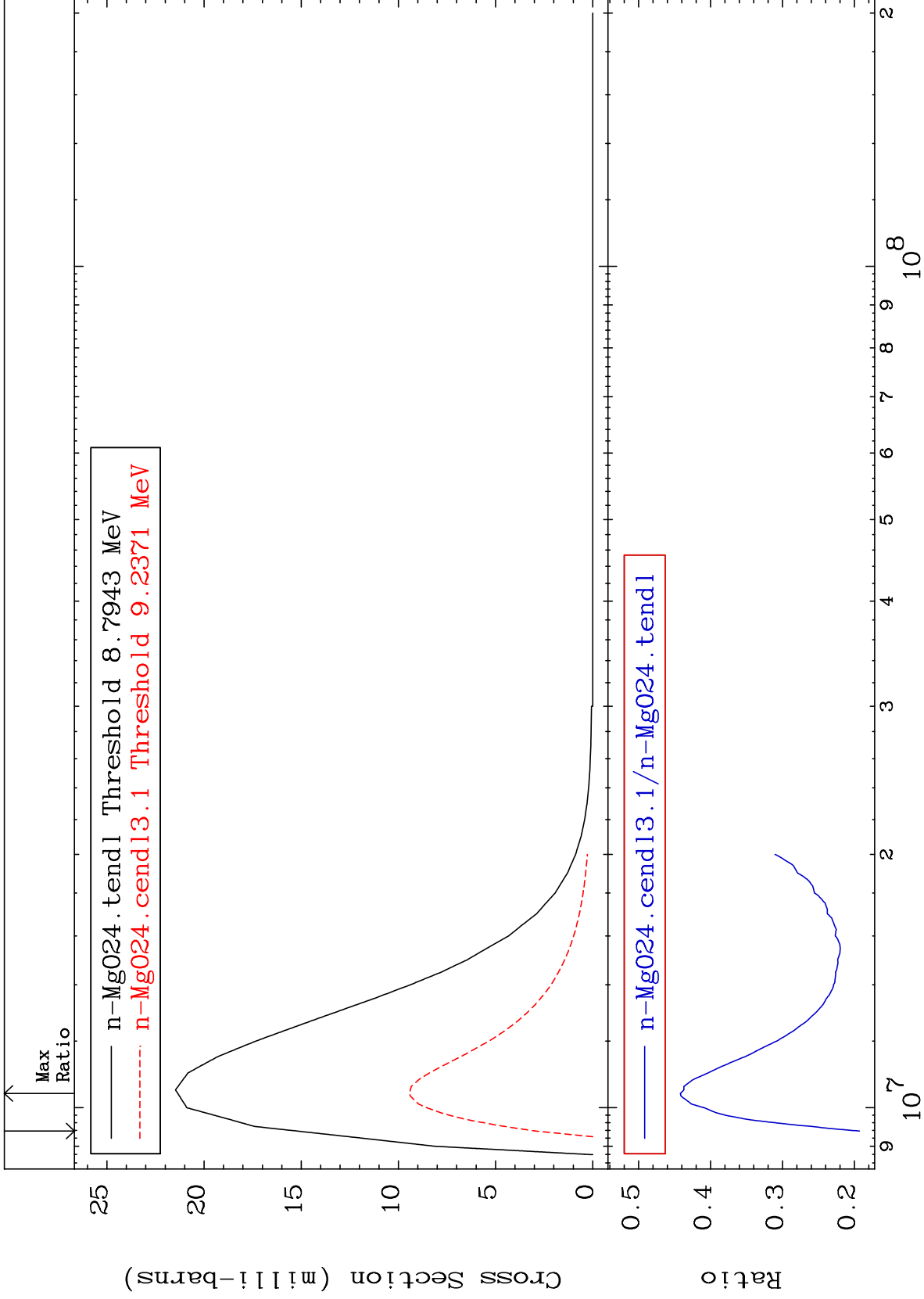
Incident Energy (eV)

12-Mg-24

MAT 1225

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

12-Mg-24
-80.68 To -55.80%



21

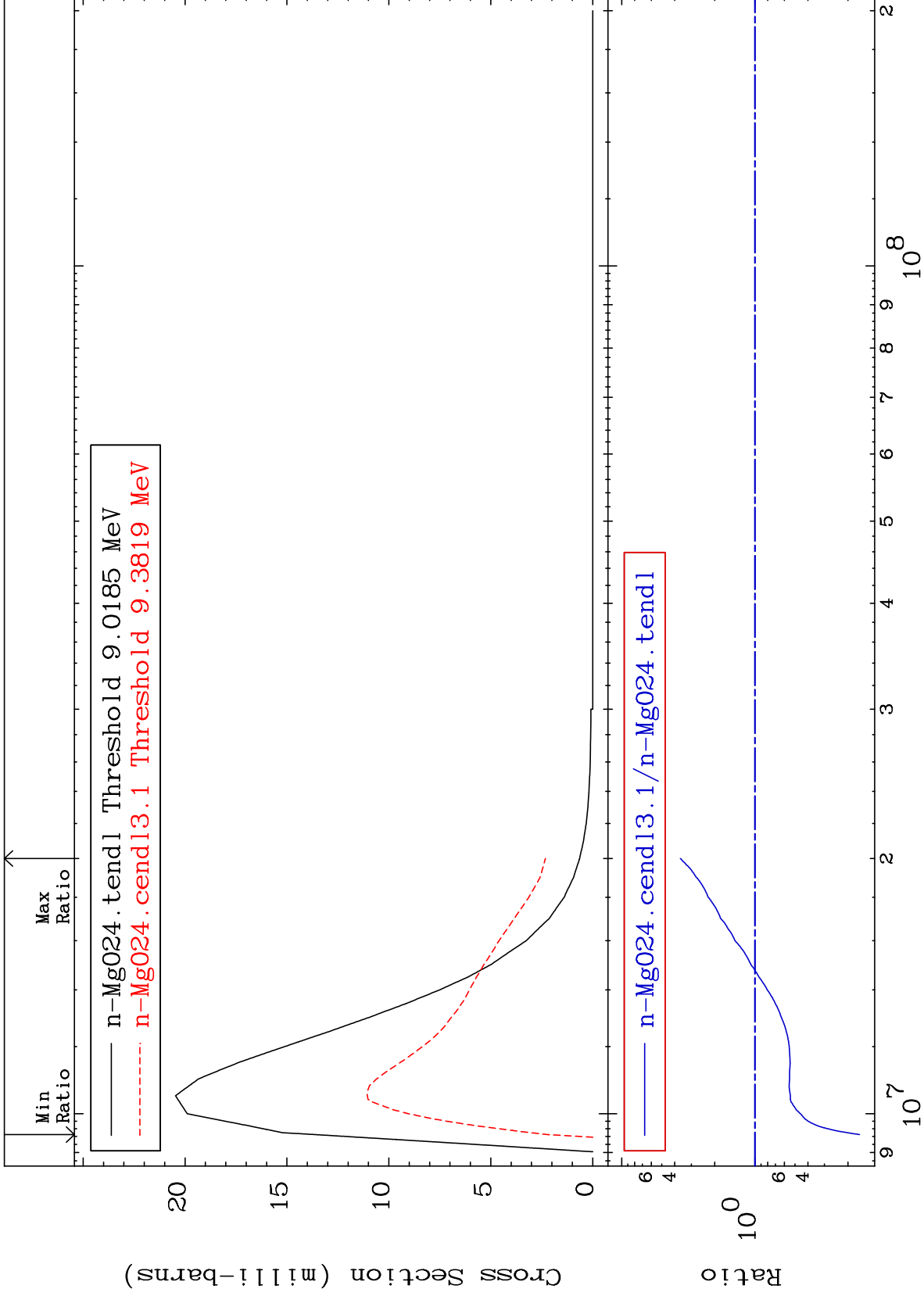
12-Mg-24

12-Mg-24

MAT 1225

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

12-Mg-24
-83.61 To 262.8 %



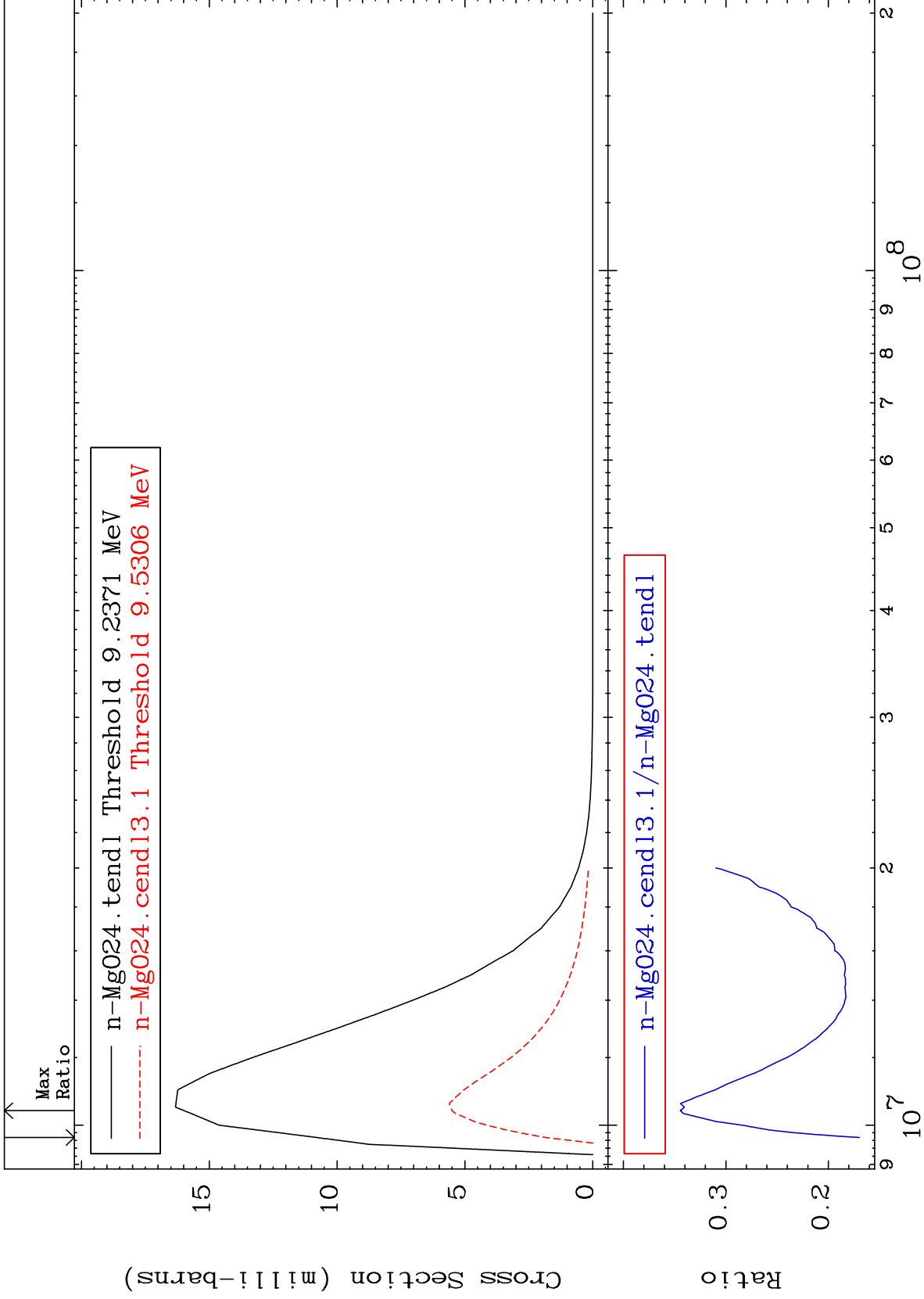
22

12-Mg-24

MAT 1225

MT= 67 (n,n') Level
Cross Section

12-Mg-24
-83.03 To -65.56%



23

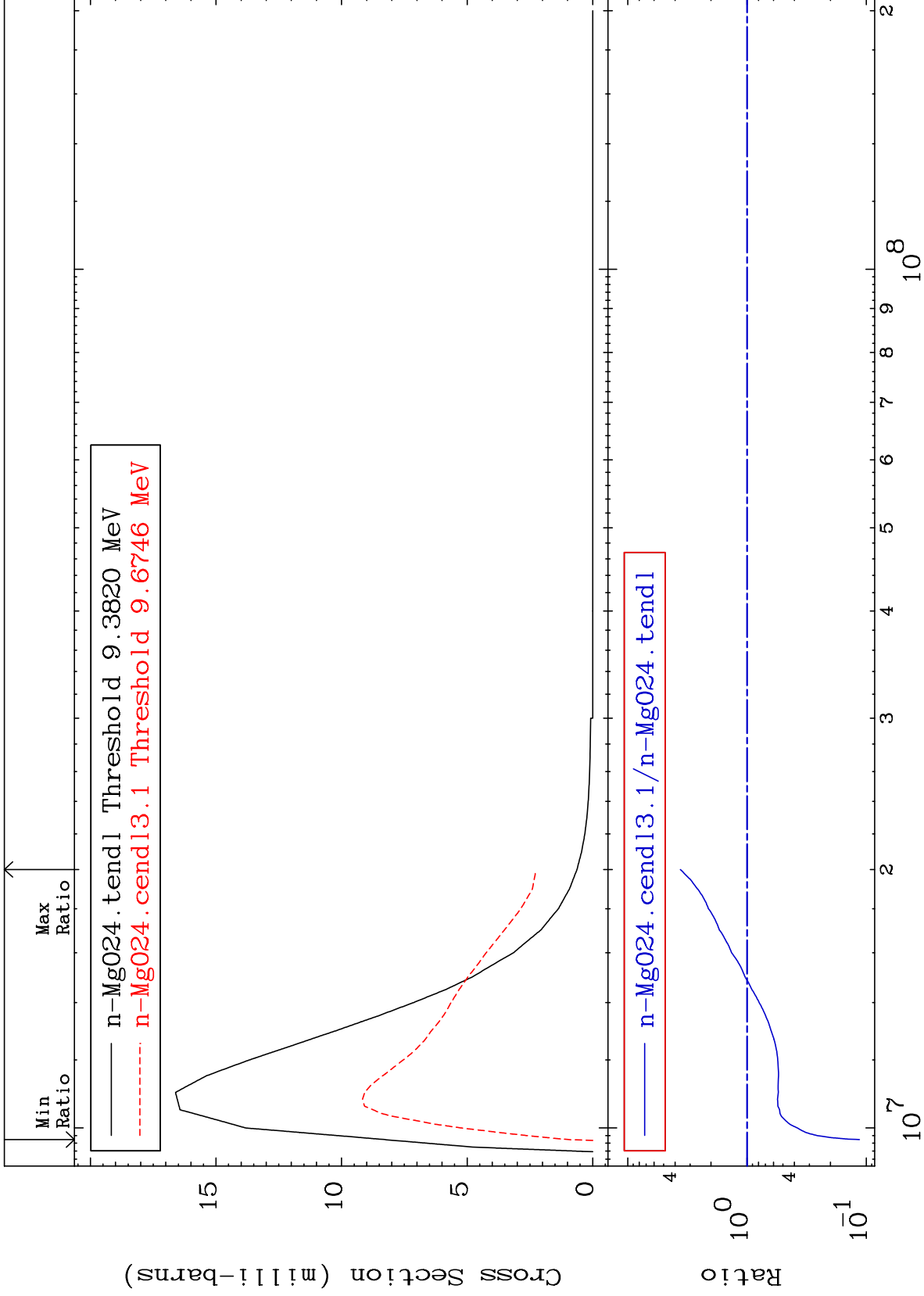
Incident Energy (eV)

12-Mg-24

MAT 1225

MT= 68 (n,n') Level
Cross Section

12-Mg-24
-88.59 To 261.7 %



24

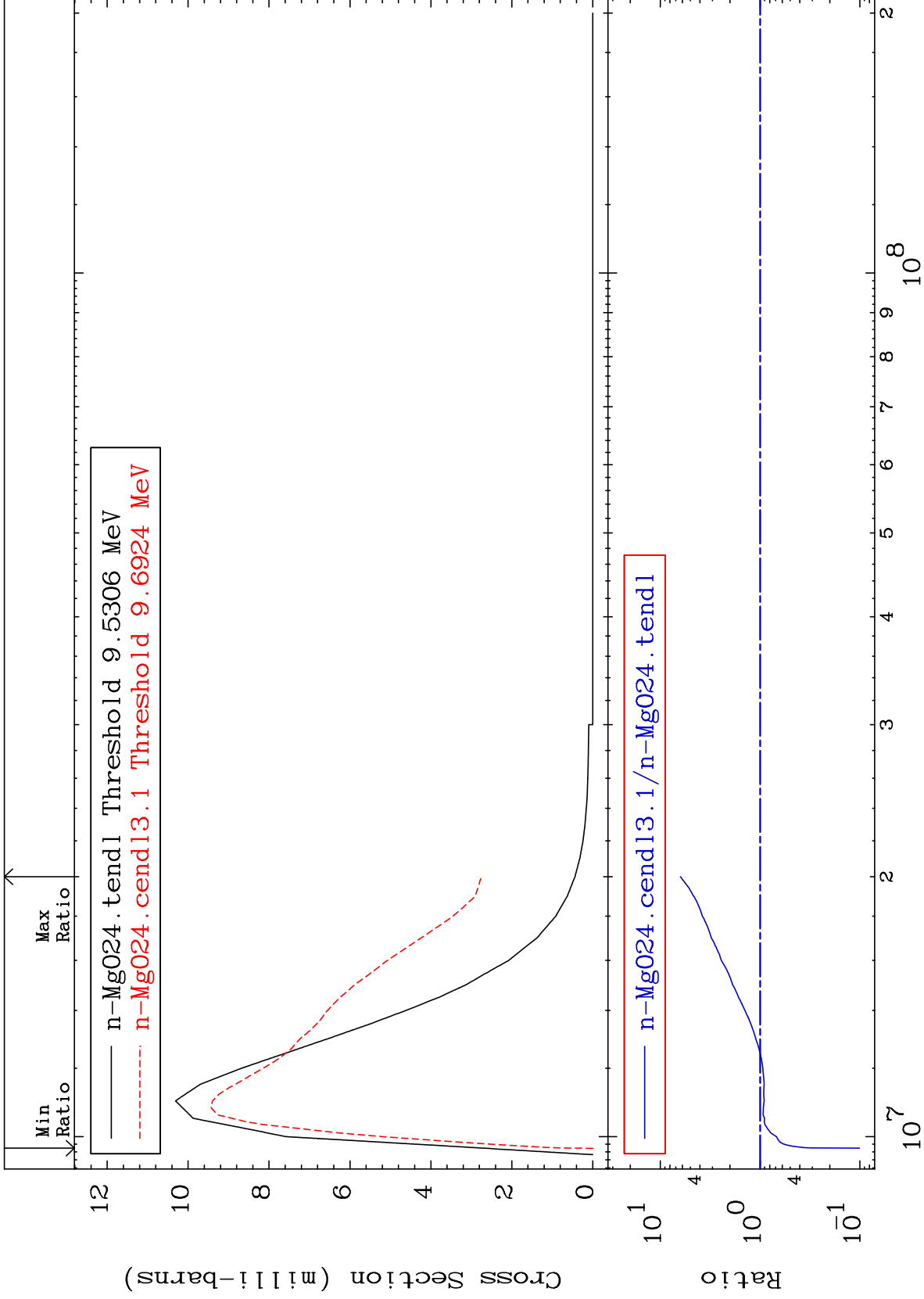
Incident Energy (eV)

12-Mg-24

MAT 1225

MT= 69 (n,n') Level
Cross Section

12-Mg-24
-89.90 To 529.5 %



25

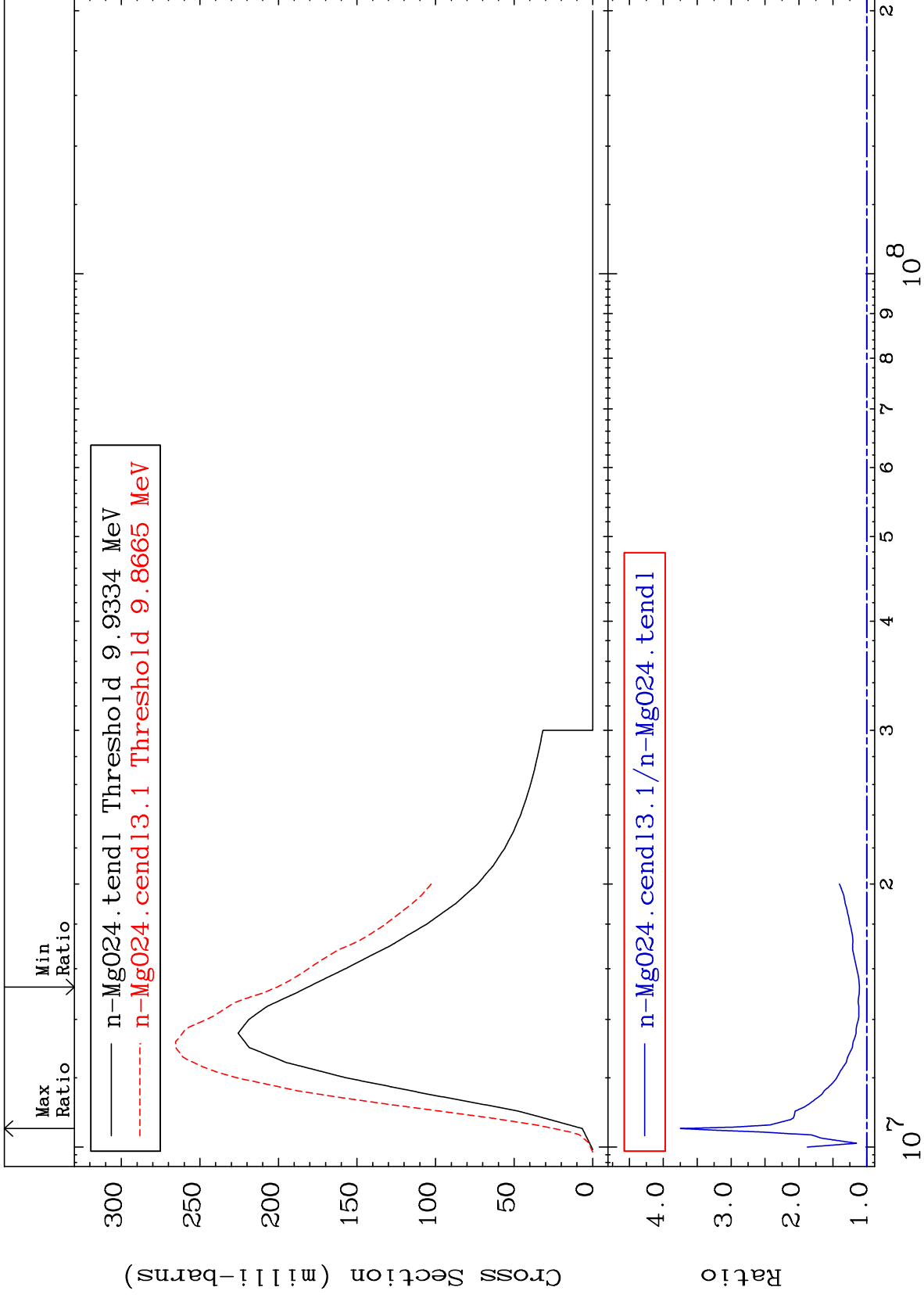
Incident Energy (eV)

12-Mg-24

MAT 1225

(n, n') Continuum
Cross Section

12-Mg-24
10.81 To 274.9 %



26

12-Mg-24

12-Mg-24

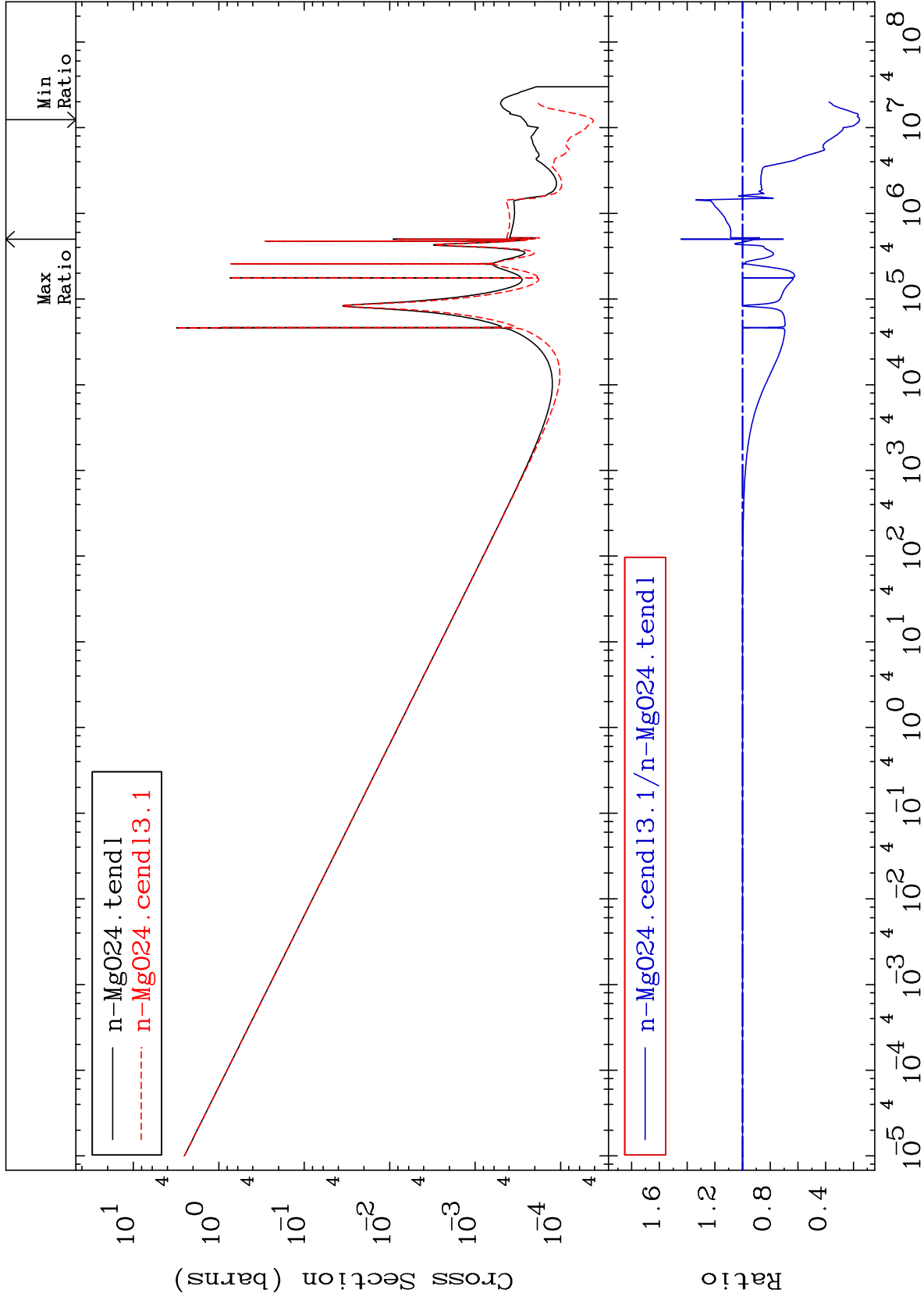
MAT 1225

(n, γ)

12-Mg-24

Cross Section

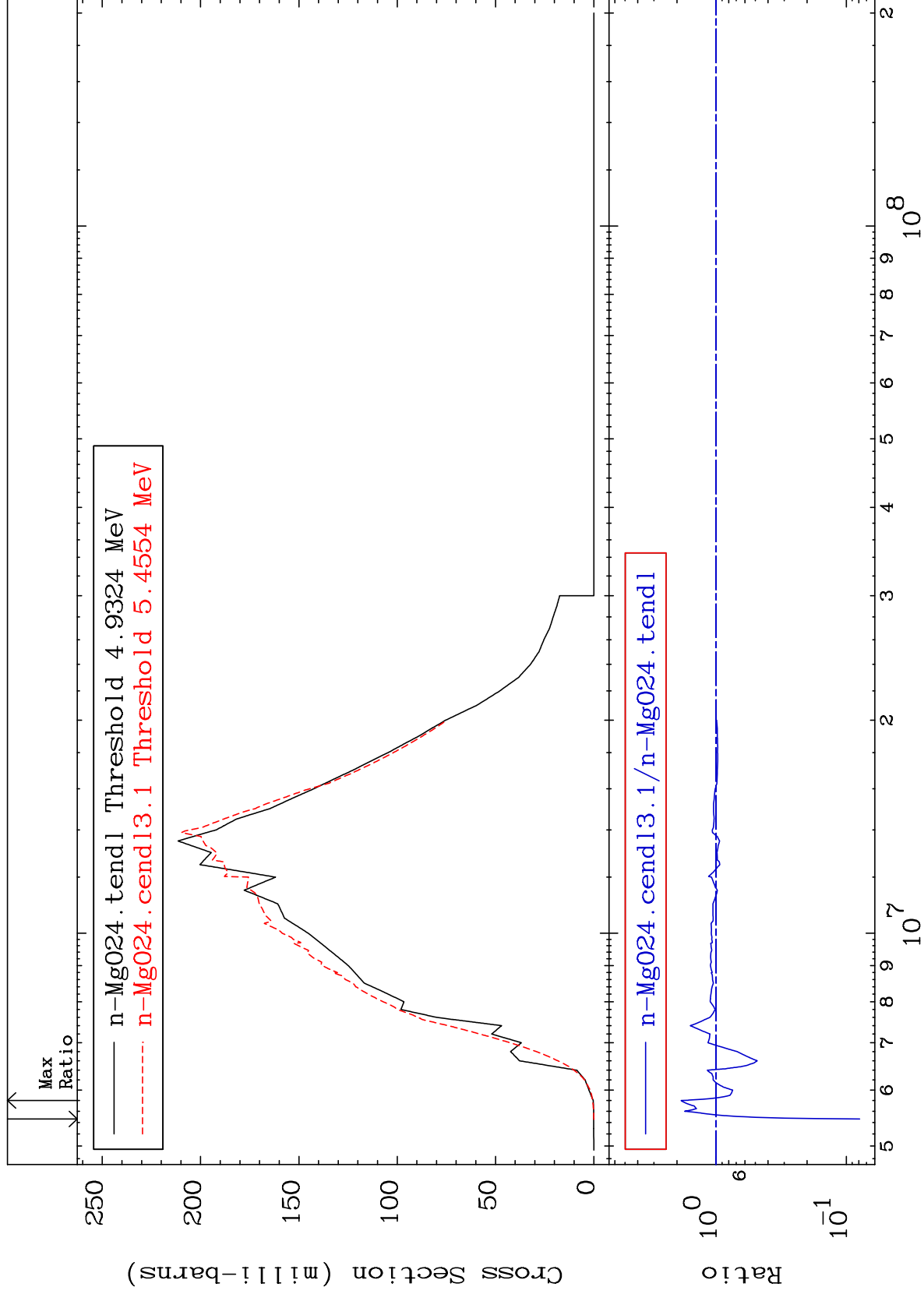
-84.42 To 44.56 %



MAT 1225

(n,p)
Cross Section

12-Mg-24
-92.10 To 85.46 %



28

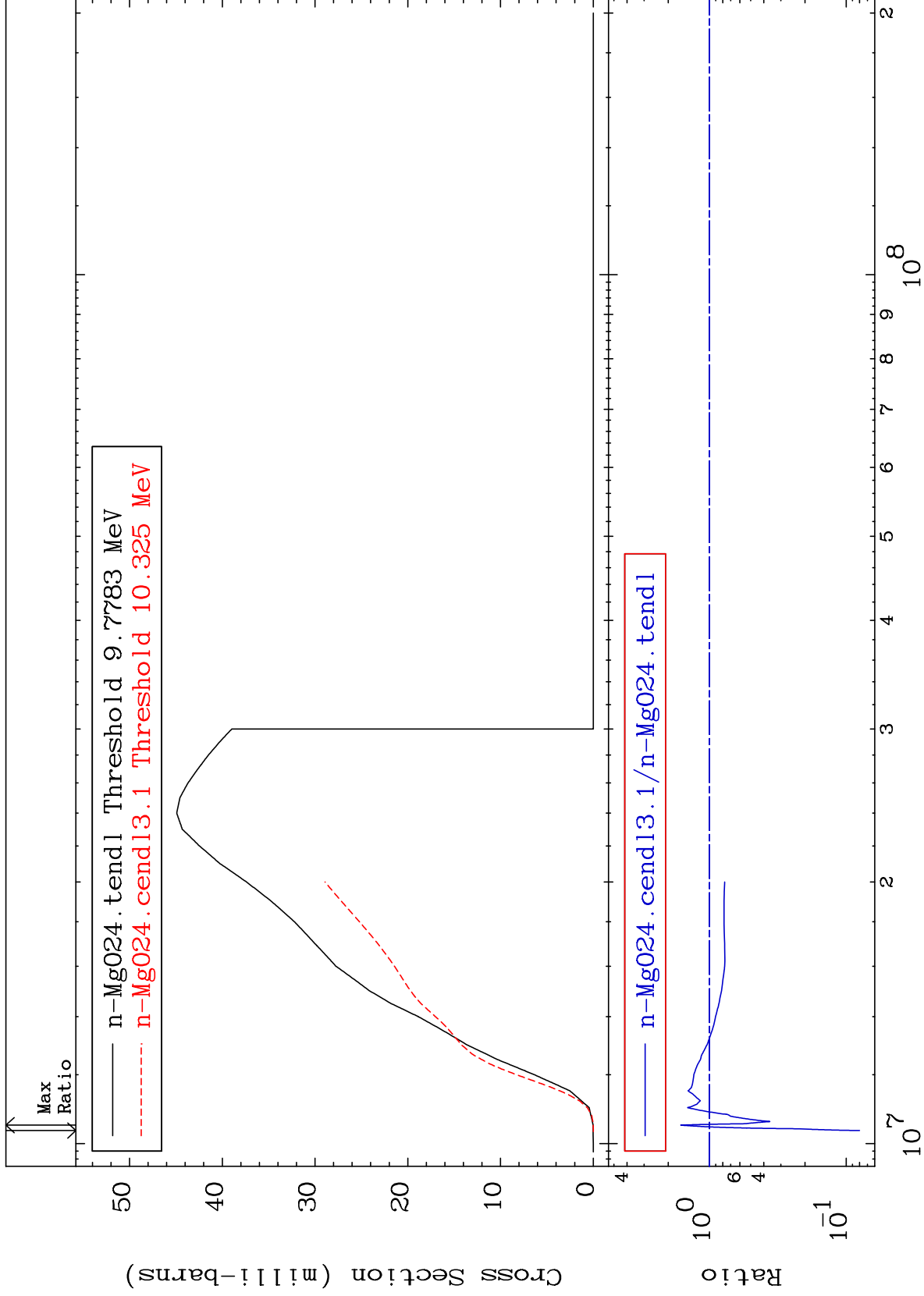
12-Mg-24

12-Mg-24

MAT 1225

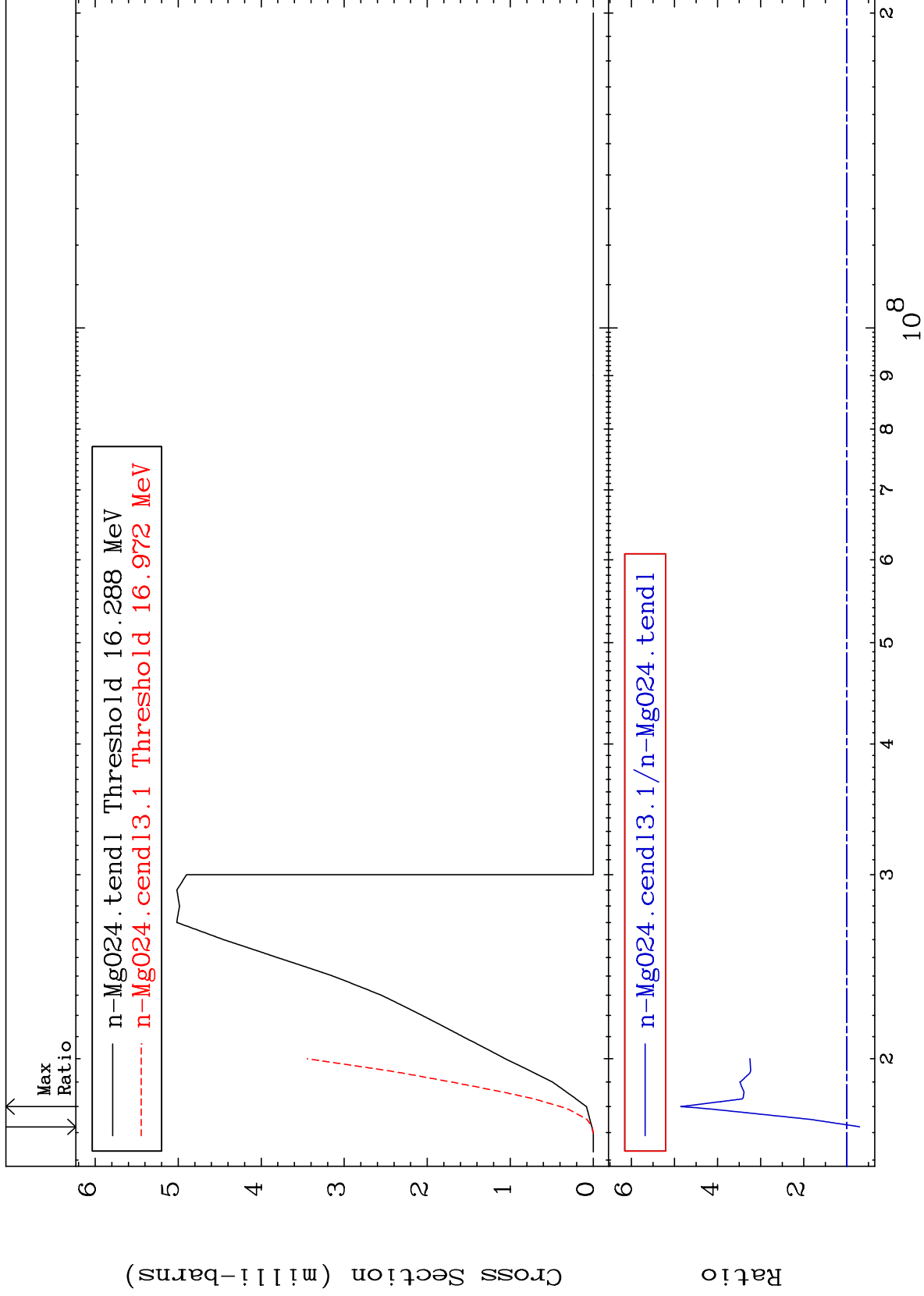
(n, d)
Cross Section

12-Mg-24
-92.01 To 62.02 %



29

12-Mg-24



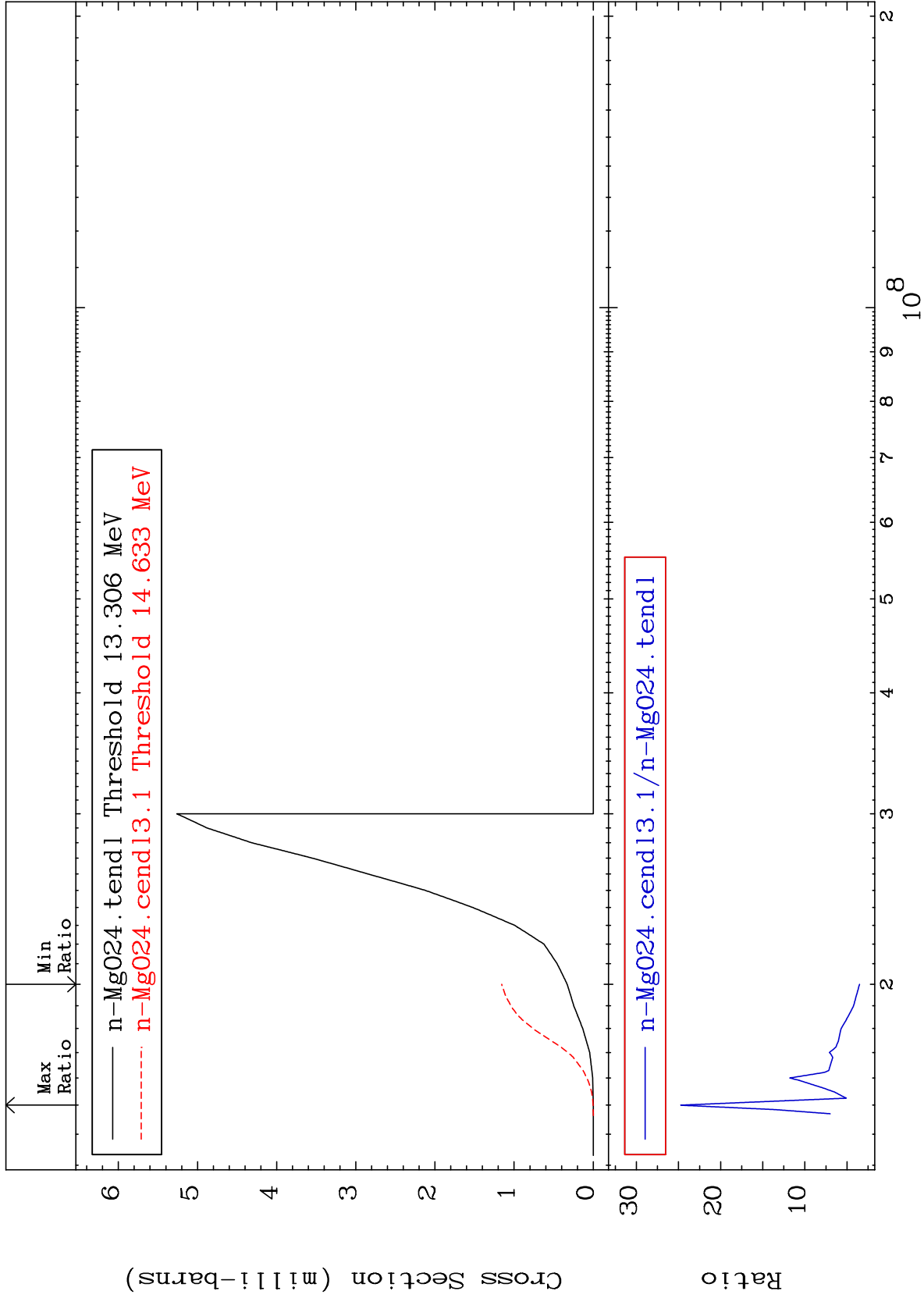
MAT 1225

(n, He-3)

12-Mg-24

Cross Section

251.0 To 2373. %



31

Incident Energy (eV)

12-Mg-24

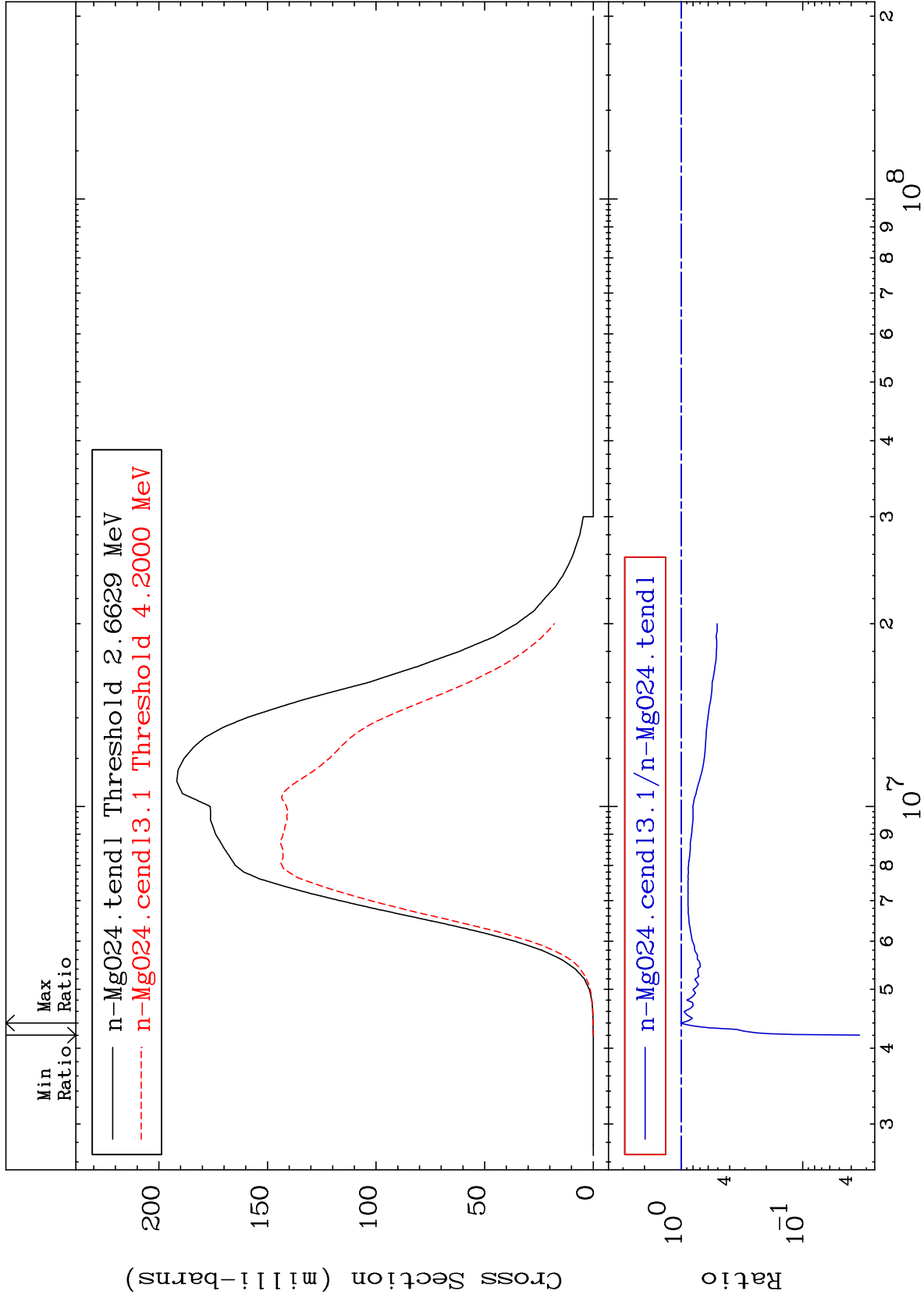
MAT 1225

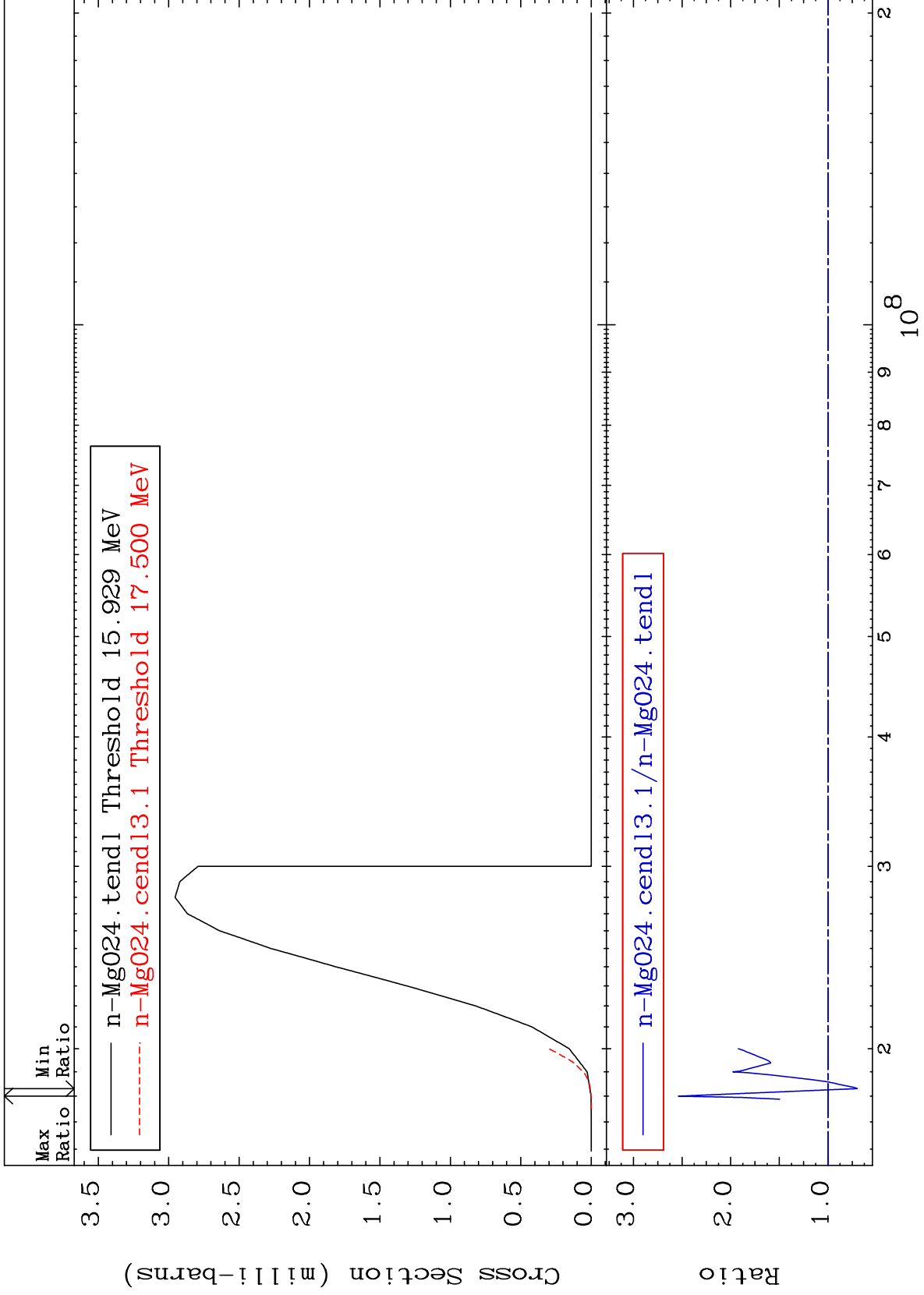
(n, α)

12-Mg-24

Cross Section

-96.58 To 0.748 %

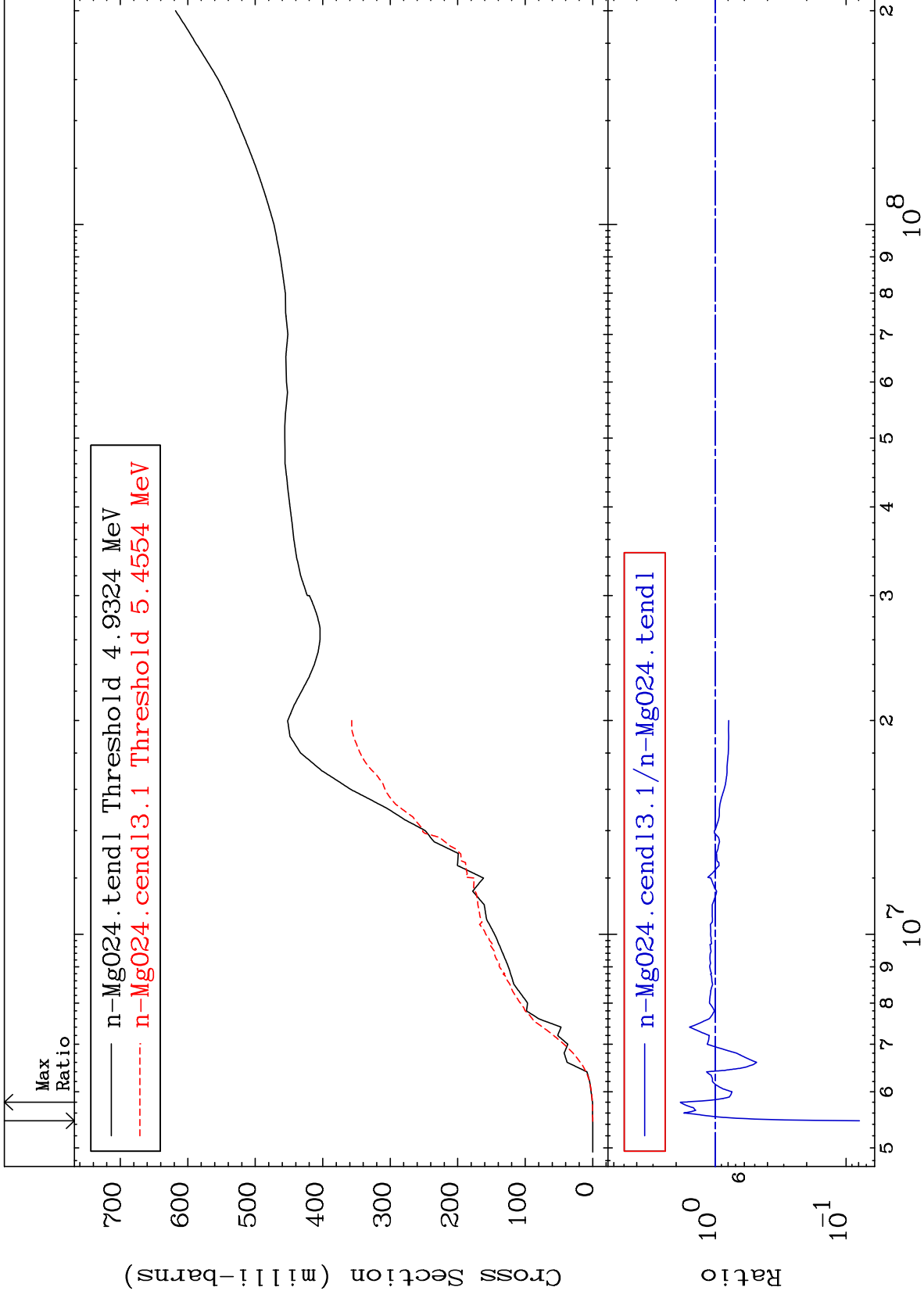




MAT 1225

Hydrogen Production
Cross Section

12-Mg-24
-92.10 To 85.46 %



34

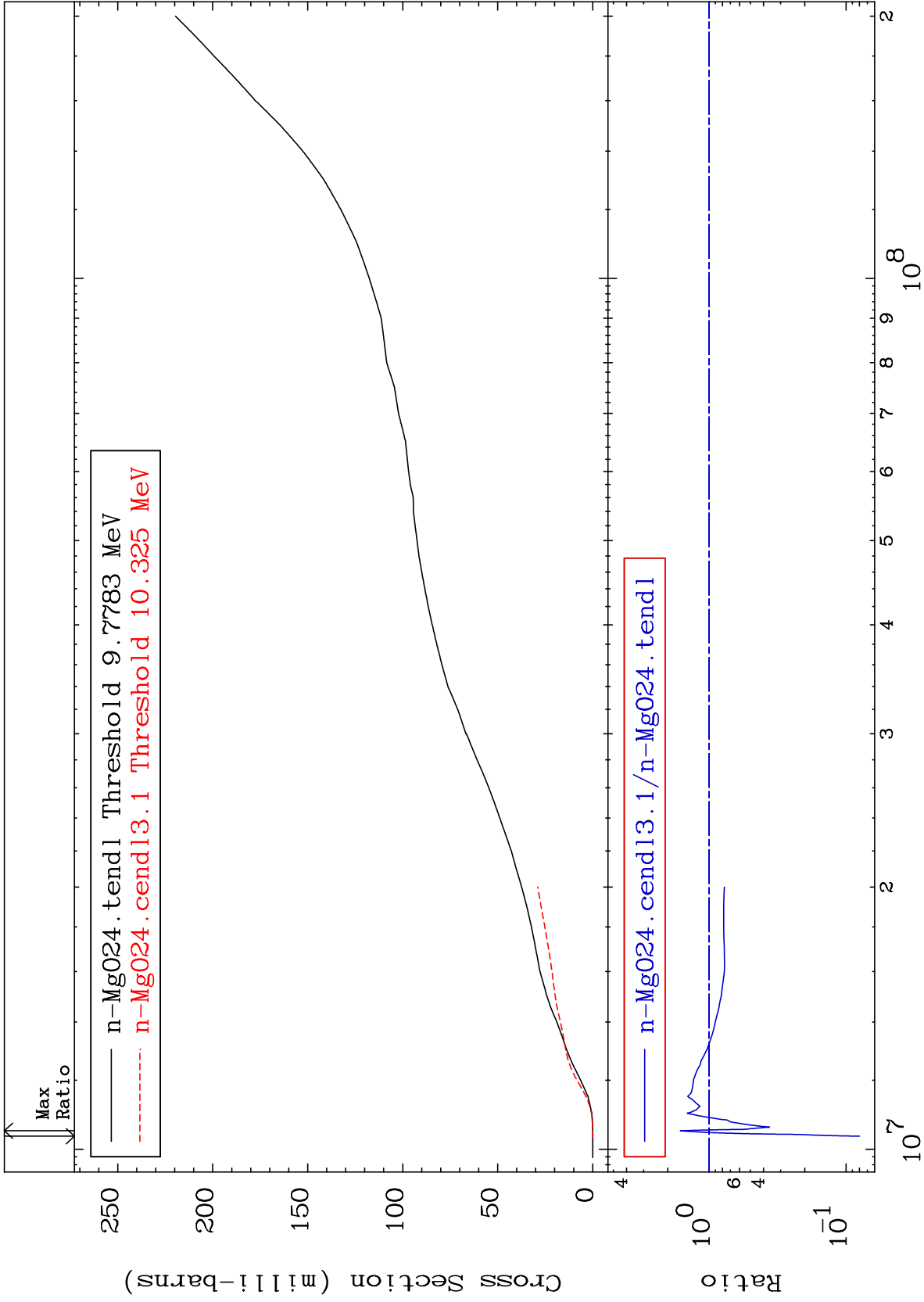
Incident Energy (eV)

12-Mg-24

MAT 1225

Deuterium Production
Cross Section

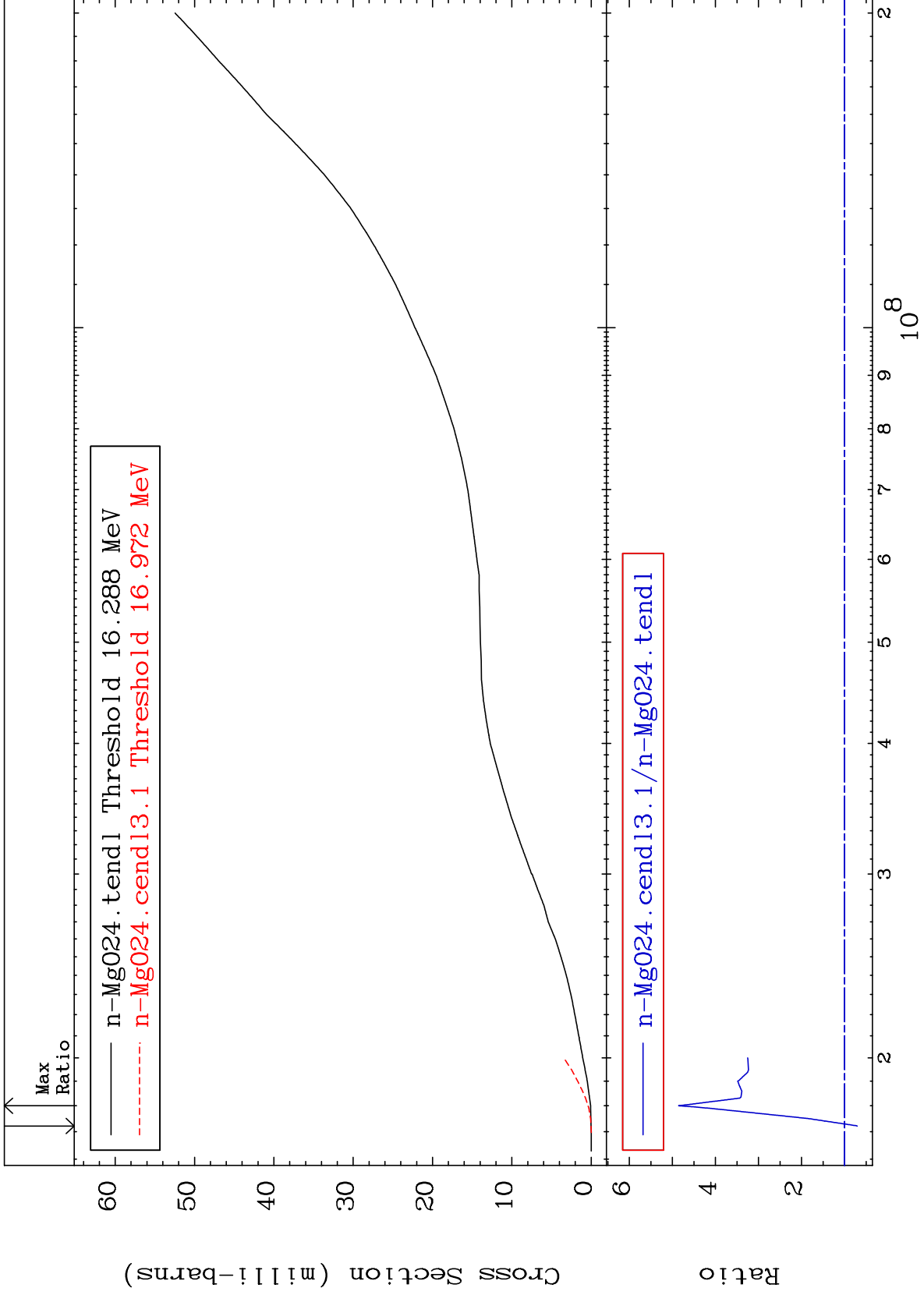
12-Mg-24
-92.01 To 62.02 %

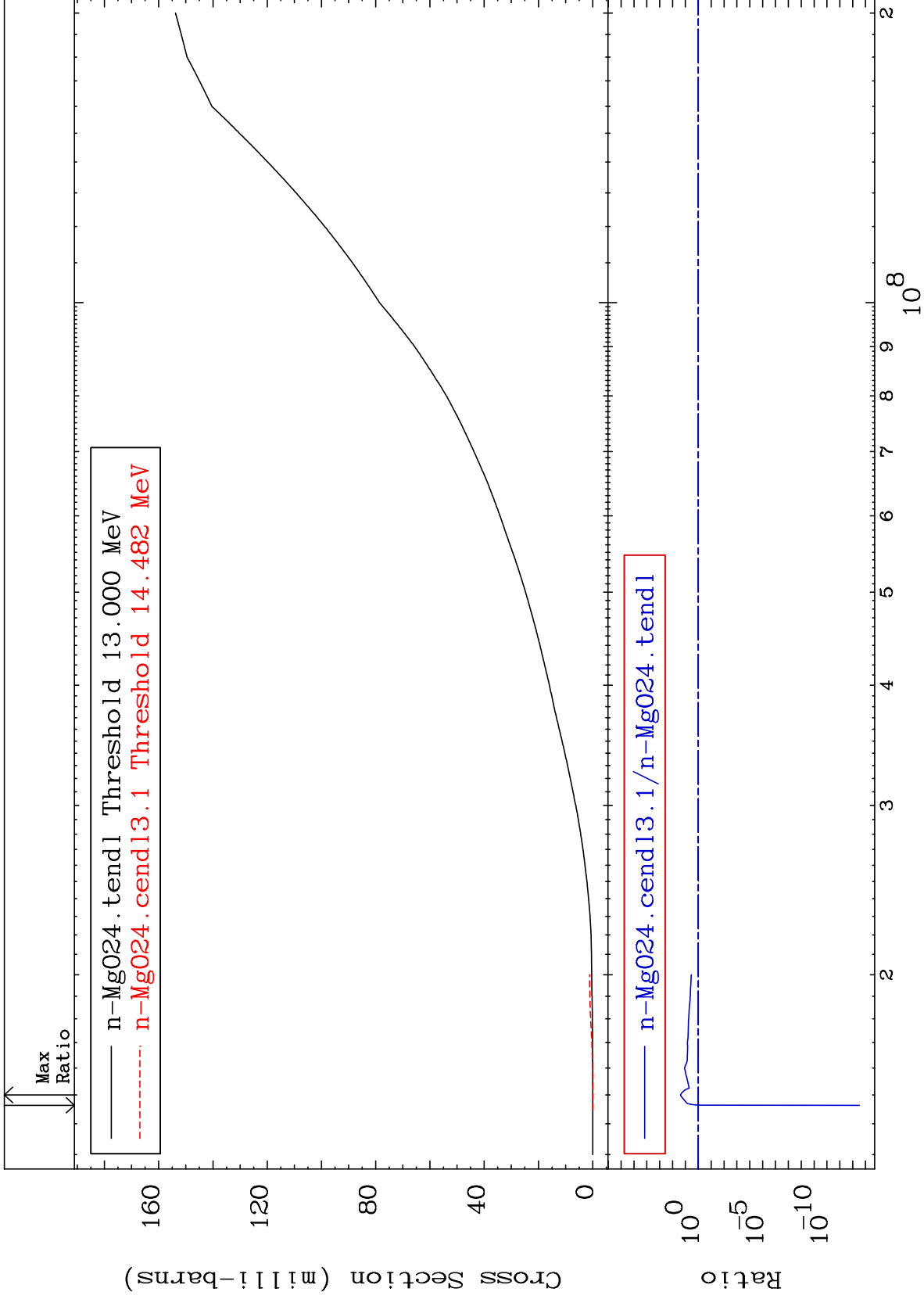


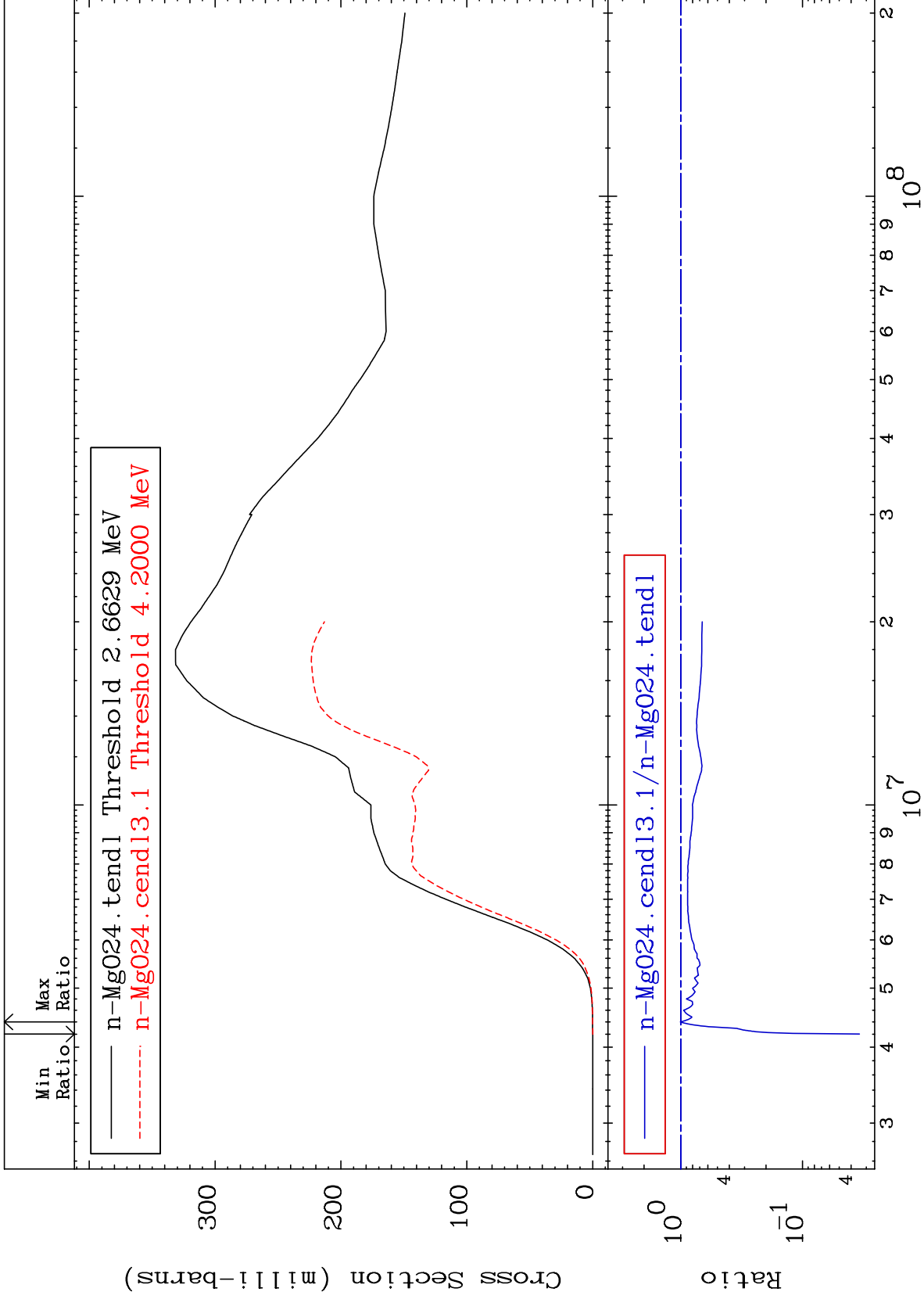
35

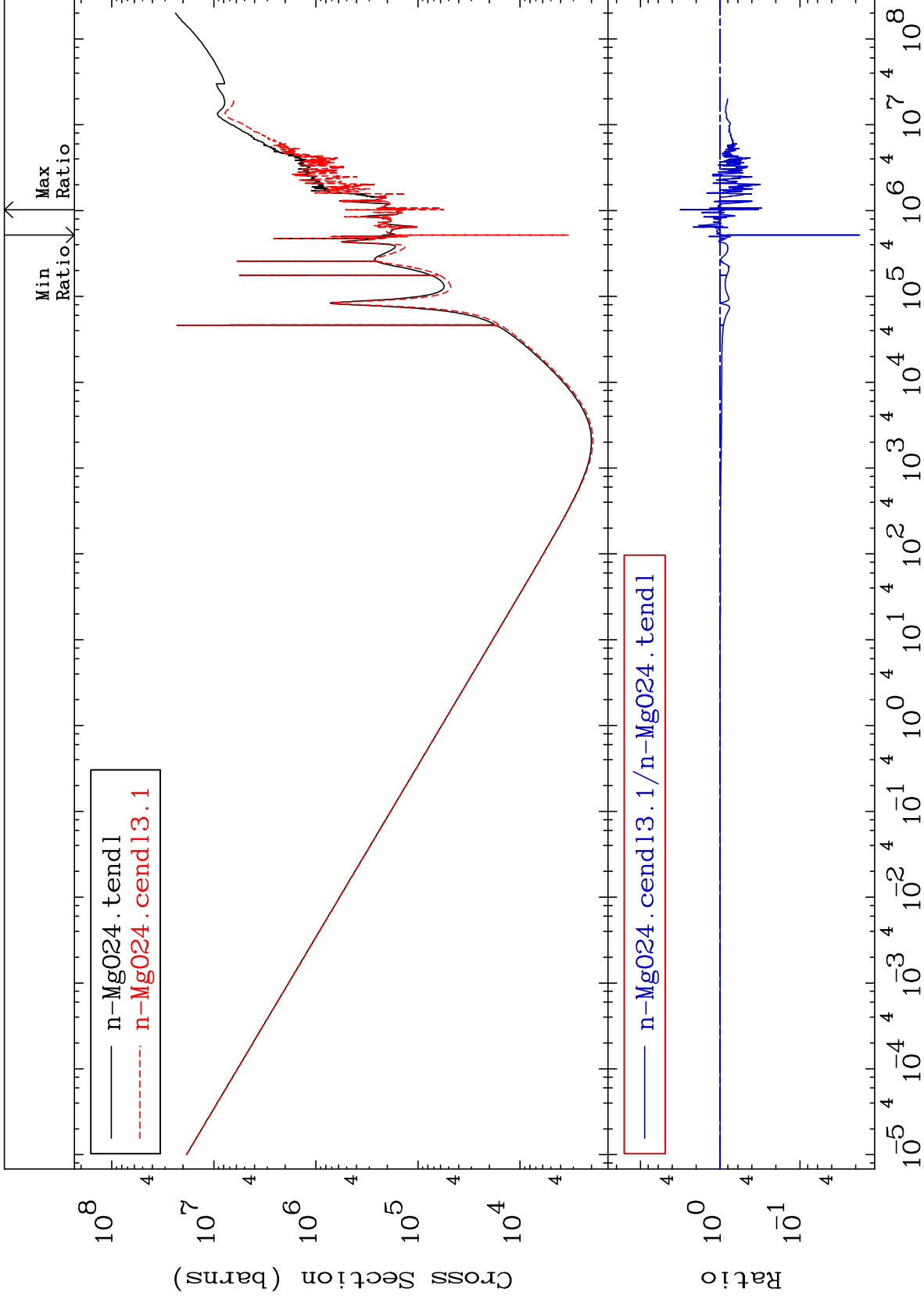
Incident Energy (eV)

12-Mg-24





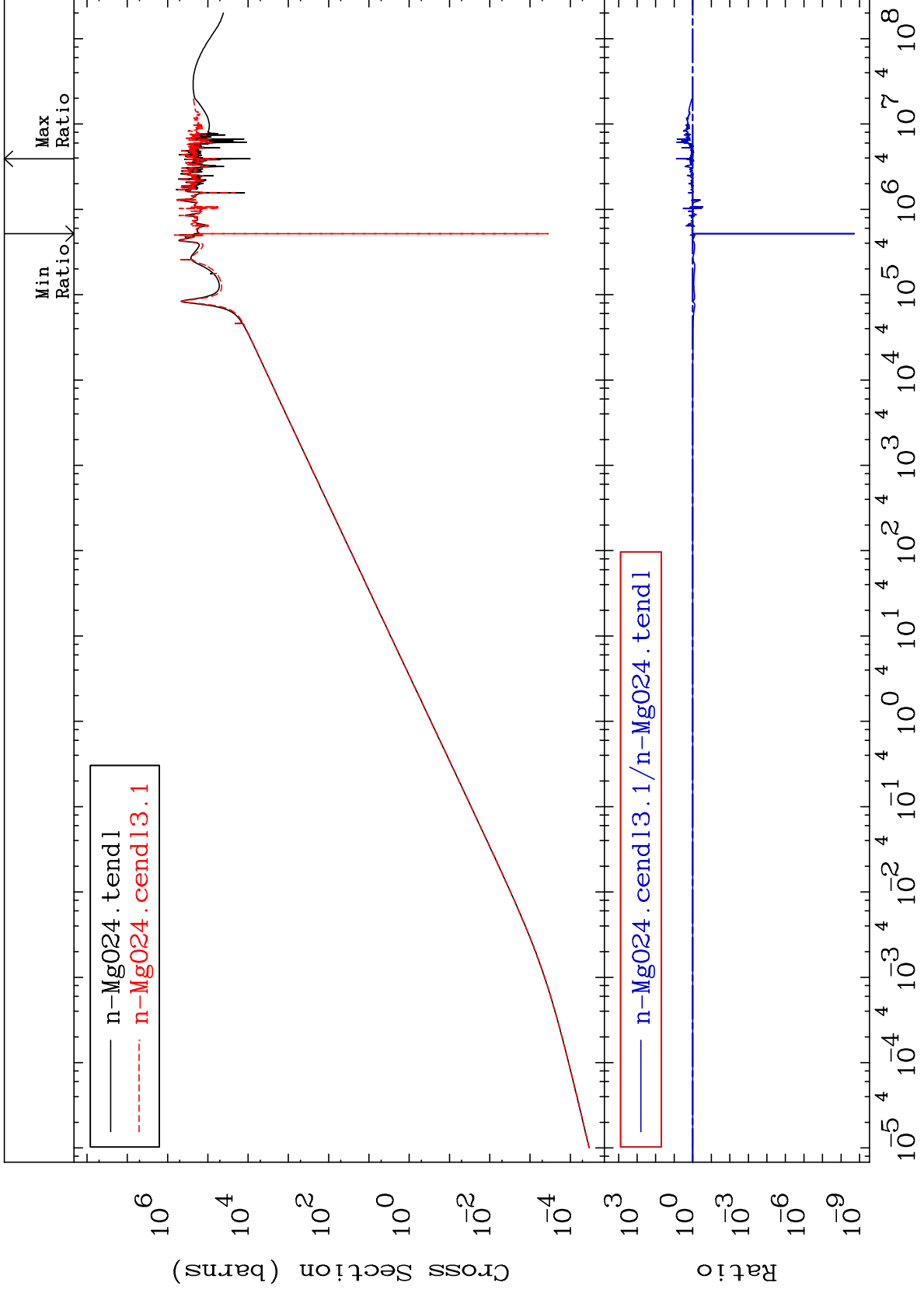




MAT 1225

Kerma elastic
Cross Section

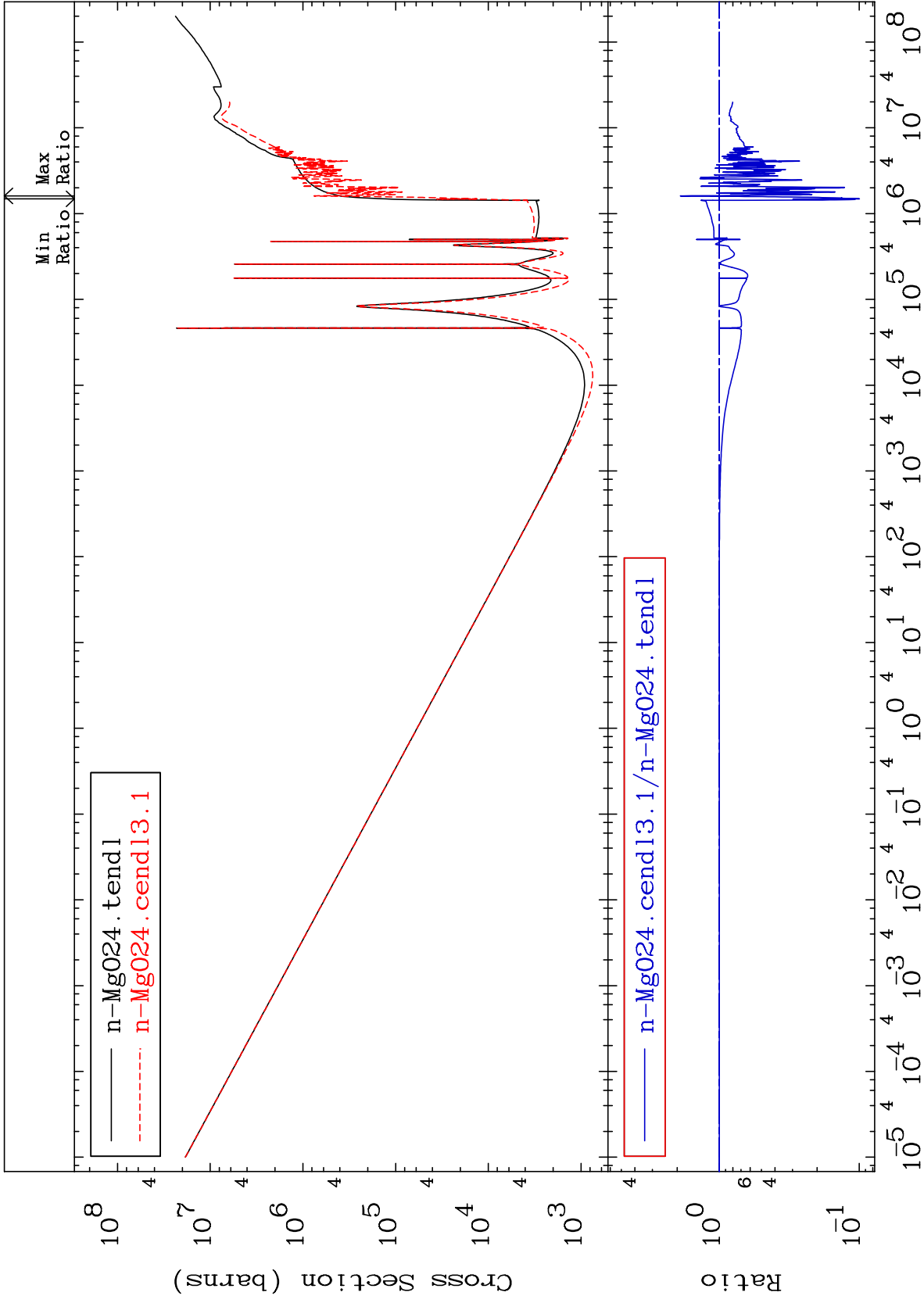
12-Mg-24
-100.0 To 665.6 %

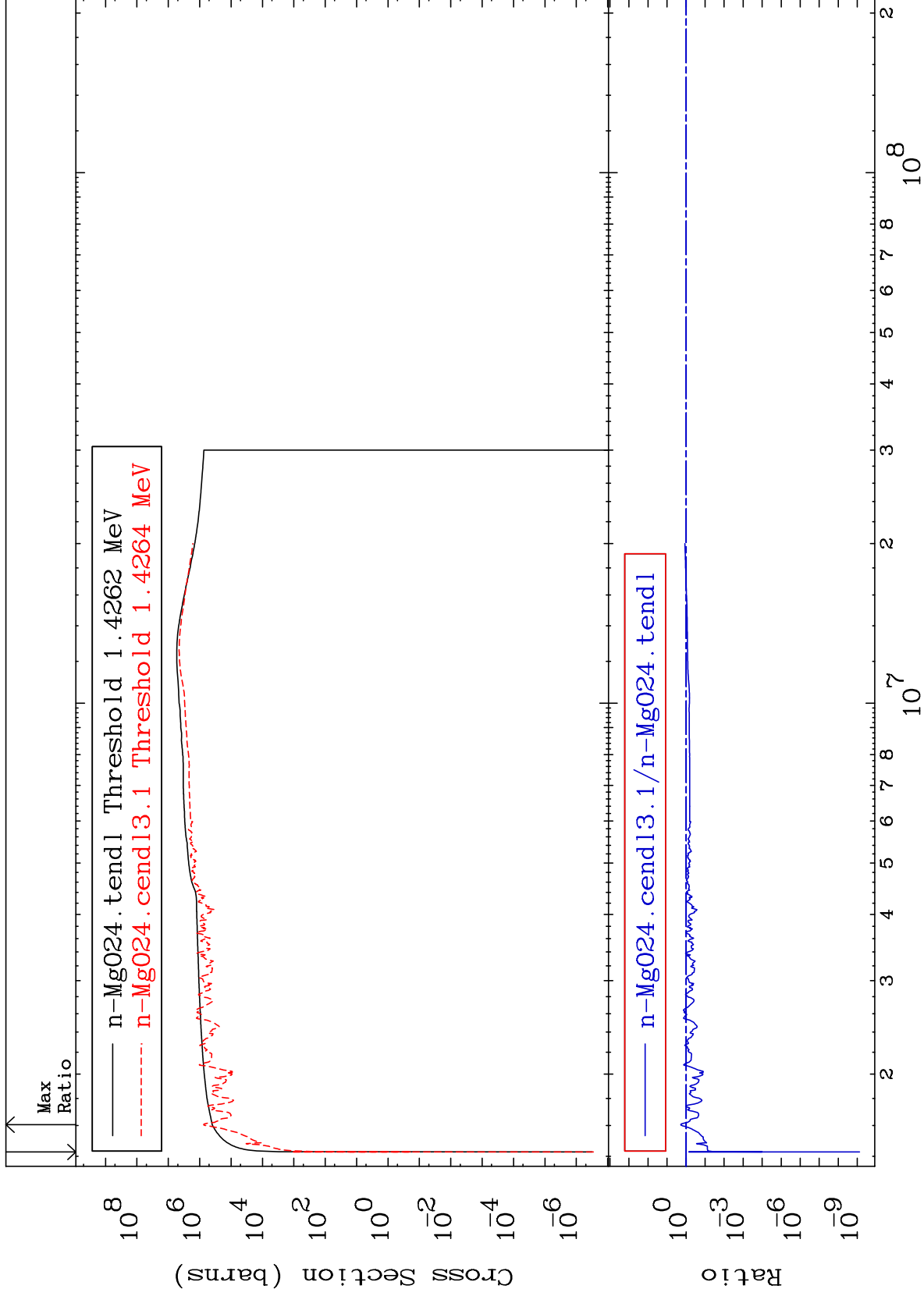


40

Incident Energy (eV)

12-Mg-24

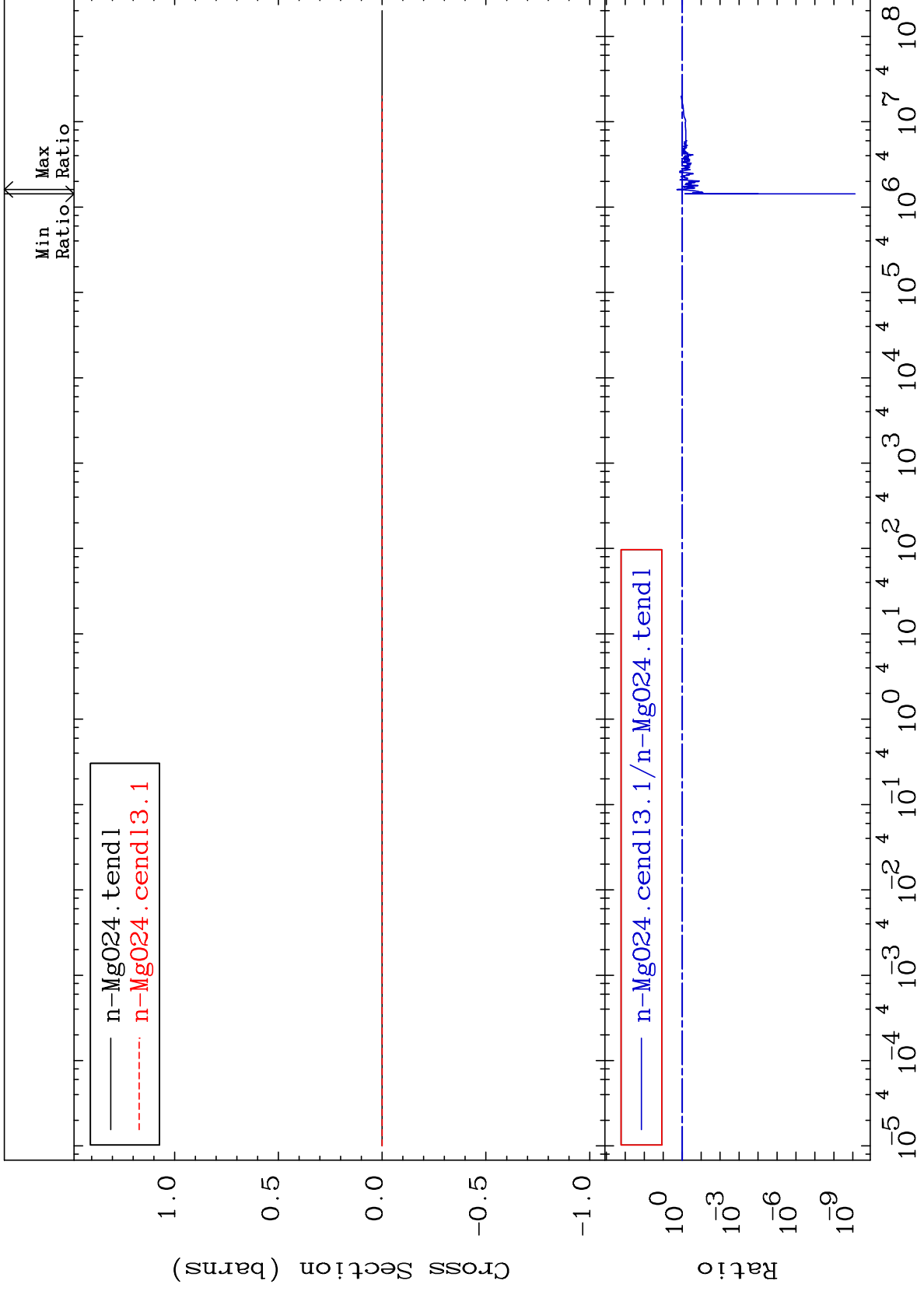




MAT 1225

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

12-Mg-24
-100.0 To 89.81 %



43

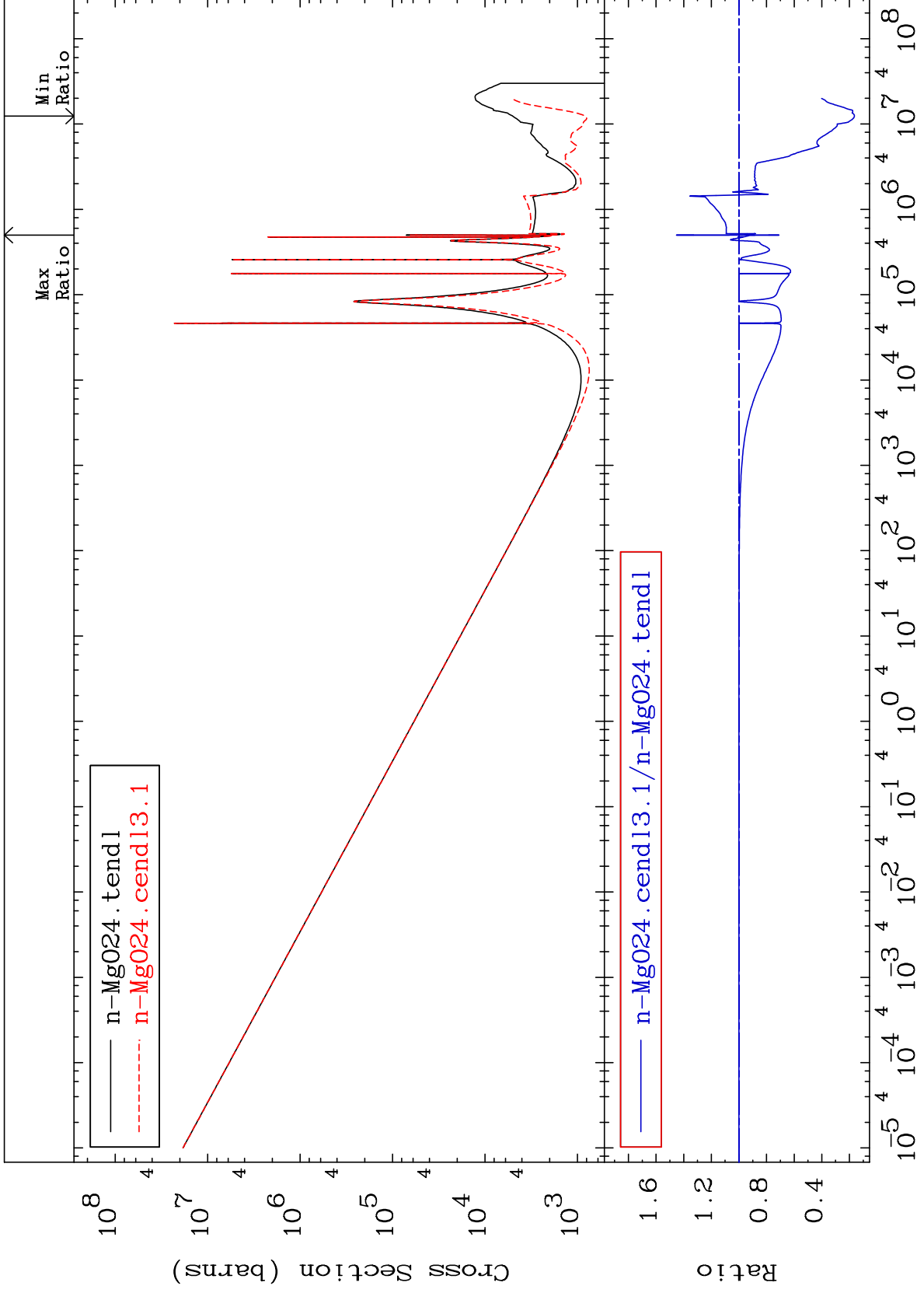
Incident Energy (eV)

12-Mg-24

MAT 1225

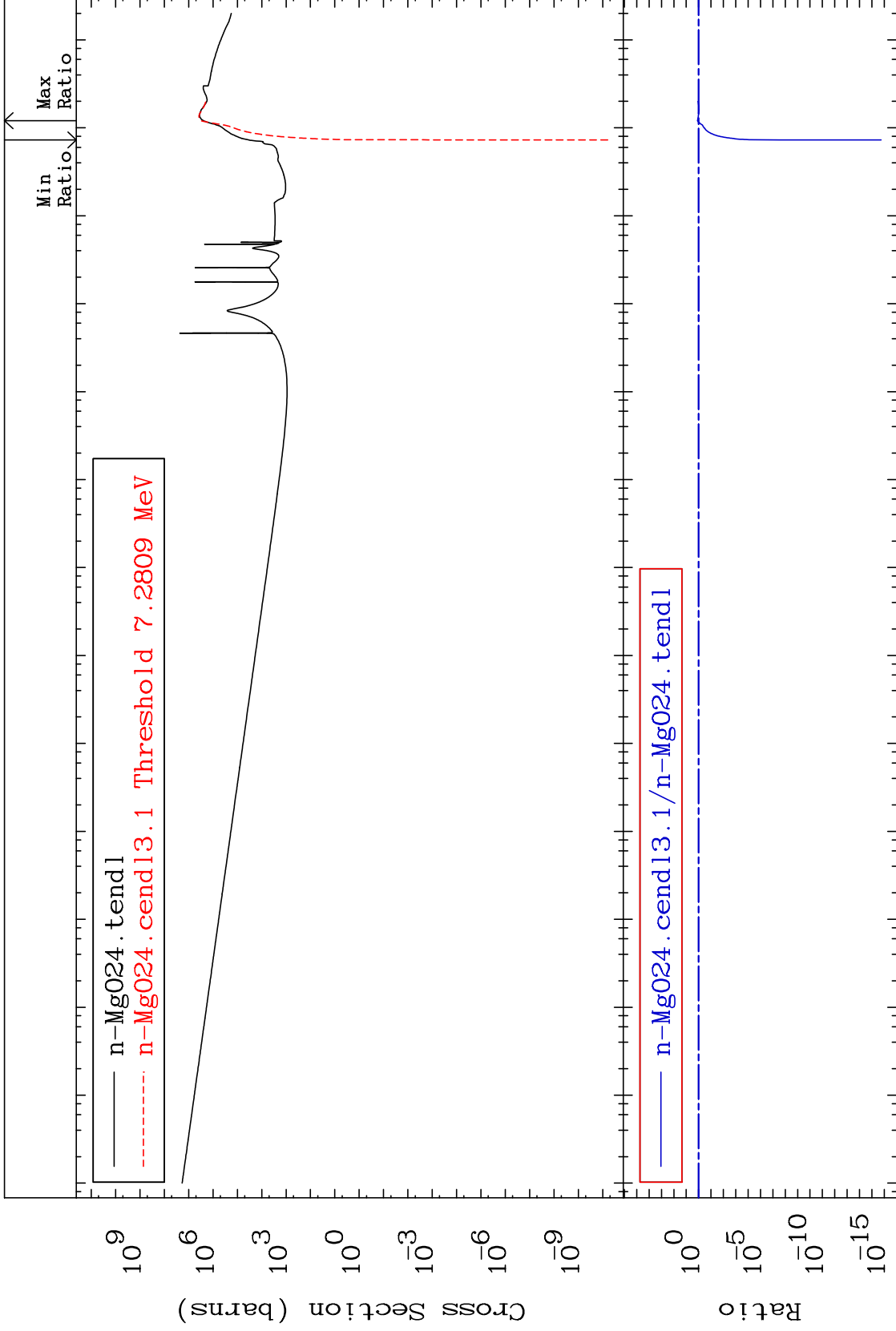
Kerma capture (mt102)
Cross Section

12-Mg-24
-83.59 To 45.30 %



44

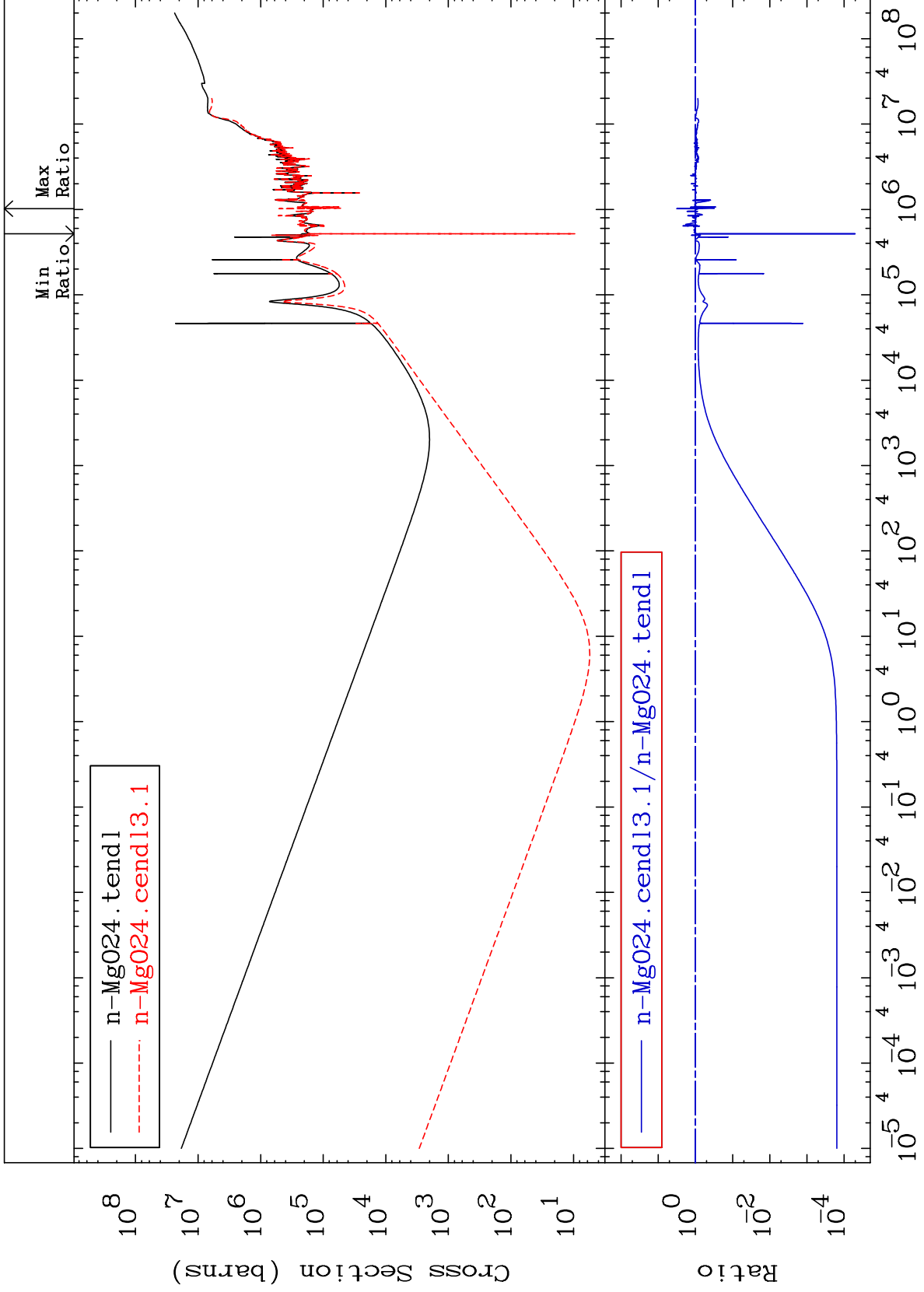
12-Mg-24



MAT 1225

Total kinematic kerma (high limit)
Cross Section

12-Mg-24
-99.99 To 214.5 %

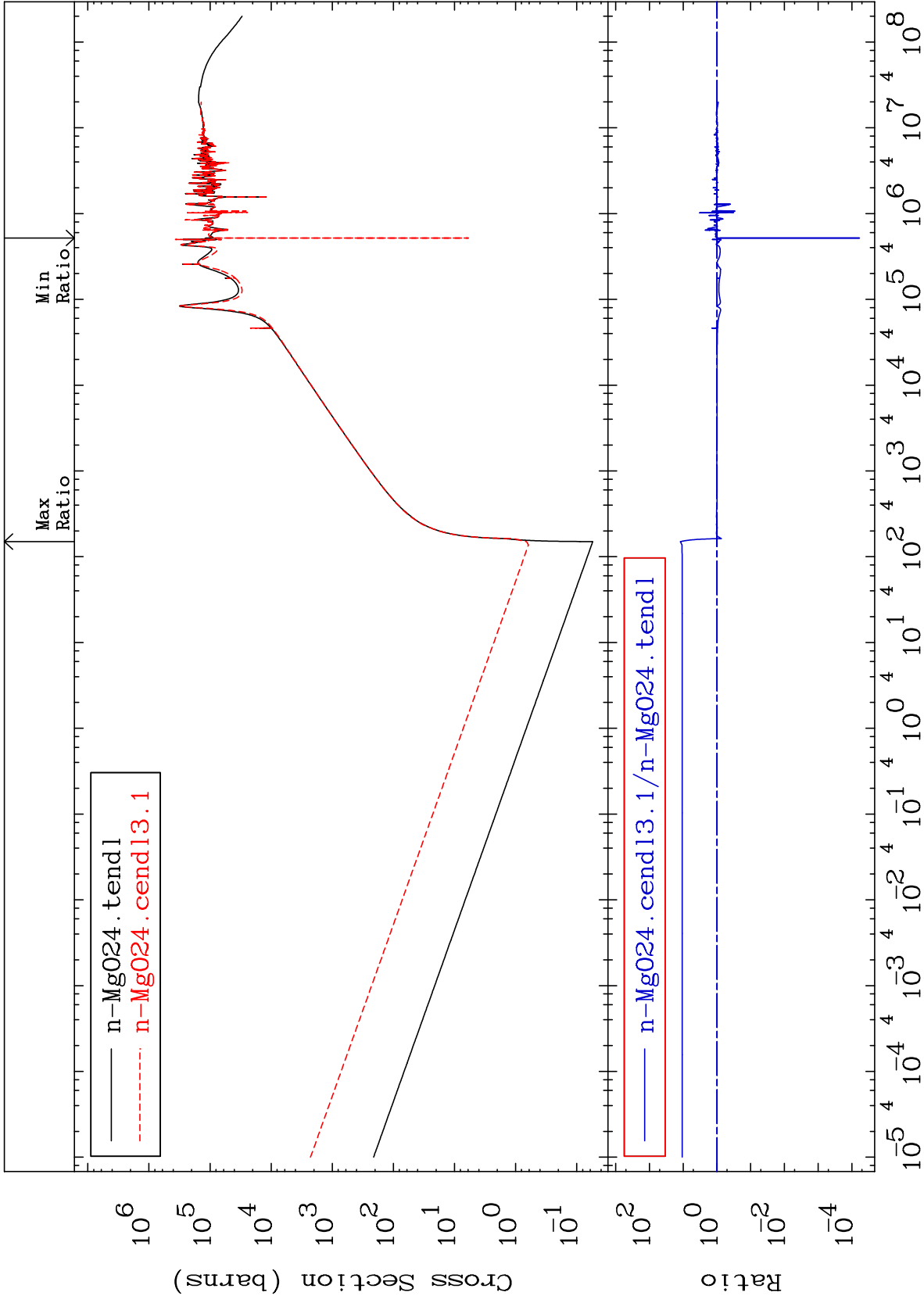


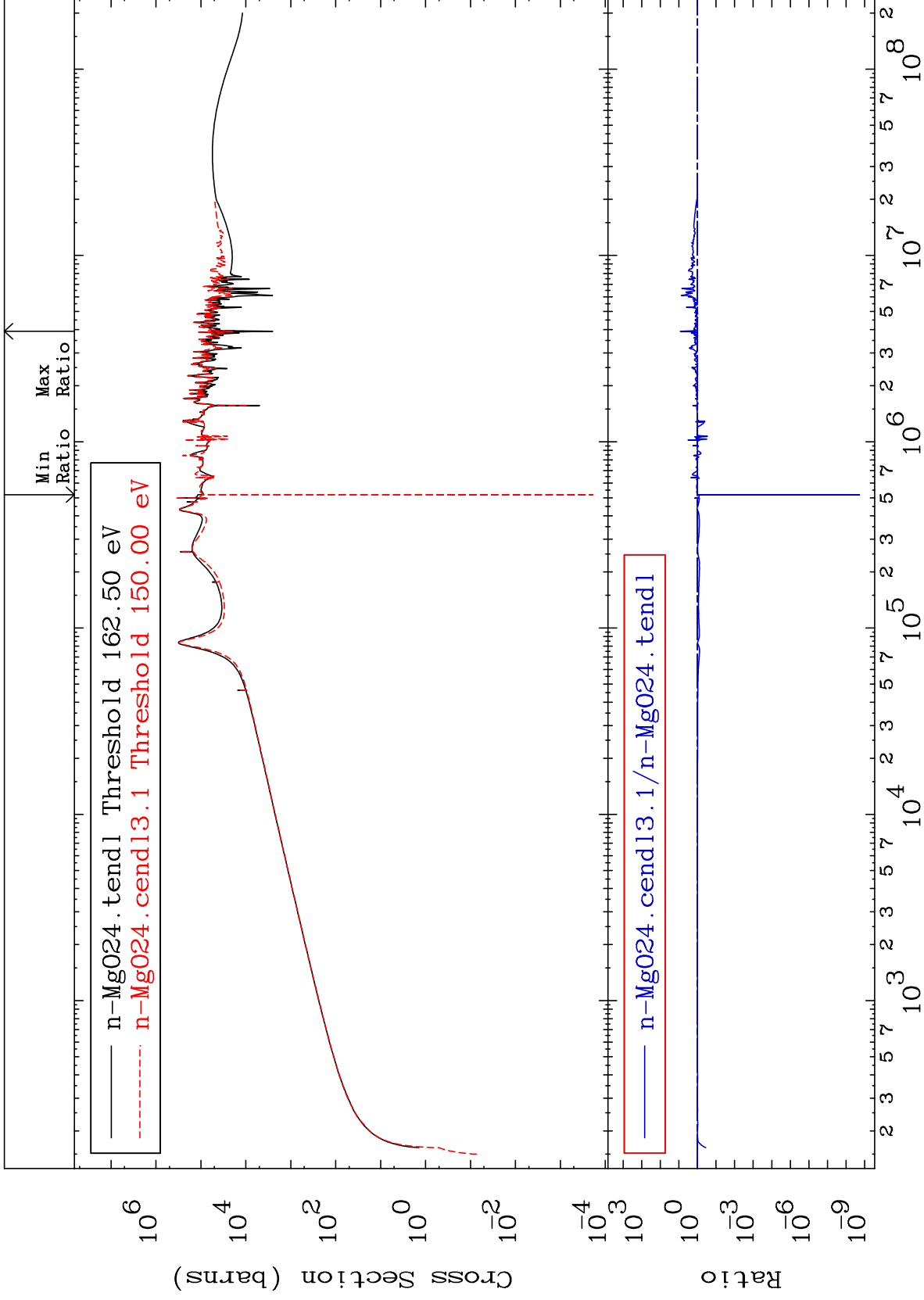
46

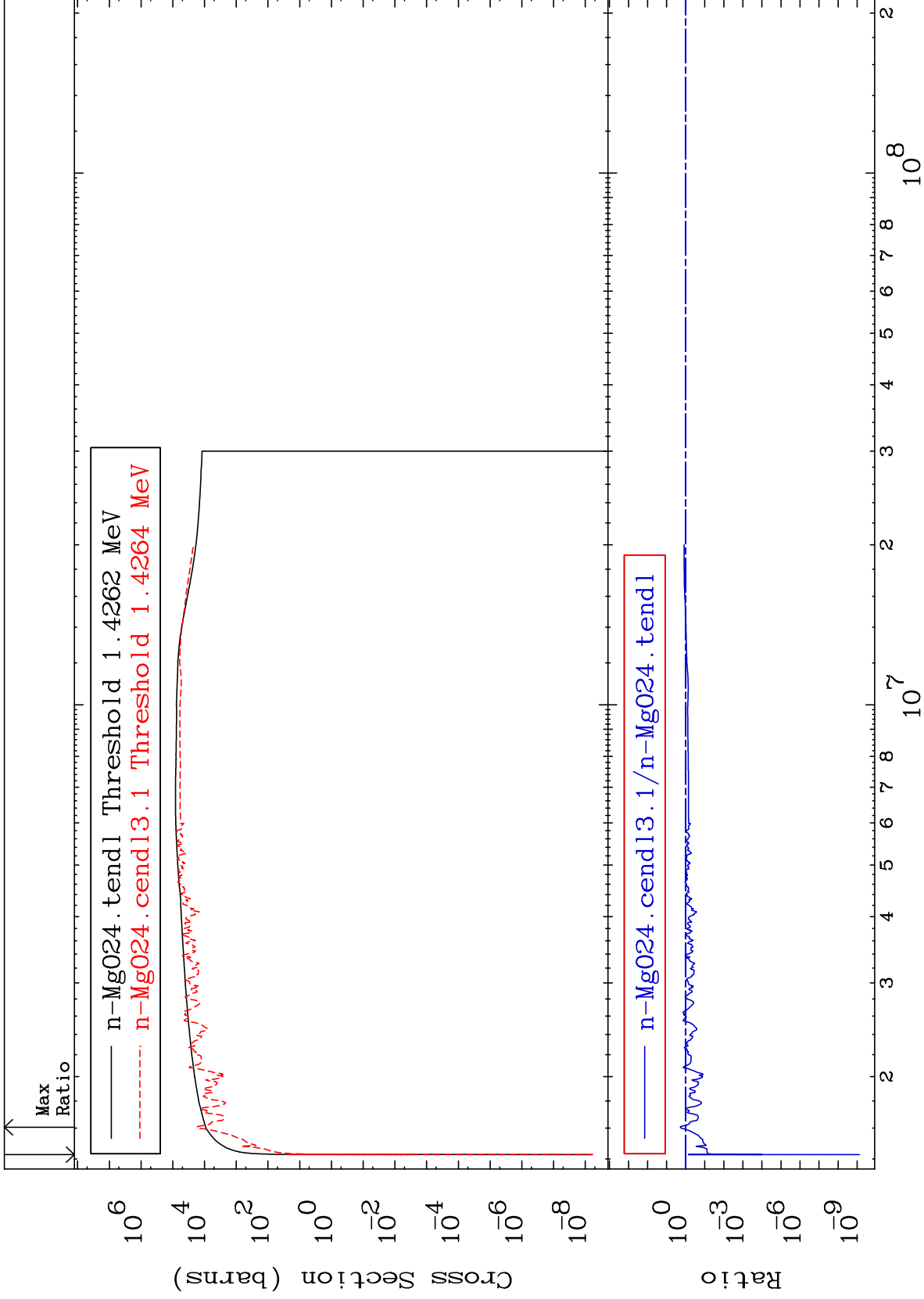
Incident Energy (eV)

12-Mg-24

Cross Section
-99.99 To 1112. %







MAT 1225

Dpa disappearance (mt102 -120)
Cross Section

12-Mg-24
-18.07 To 9999. %

