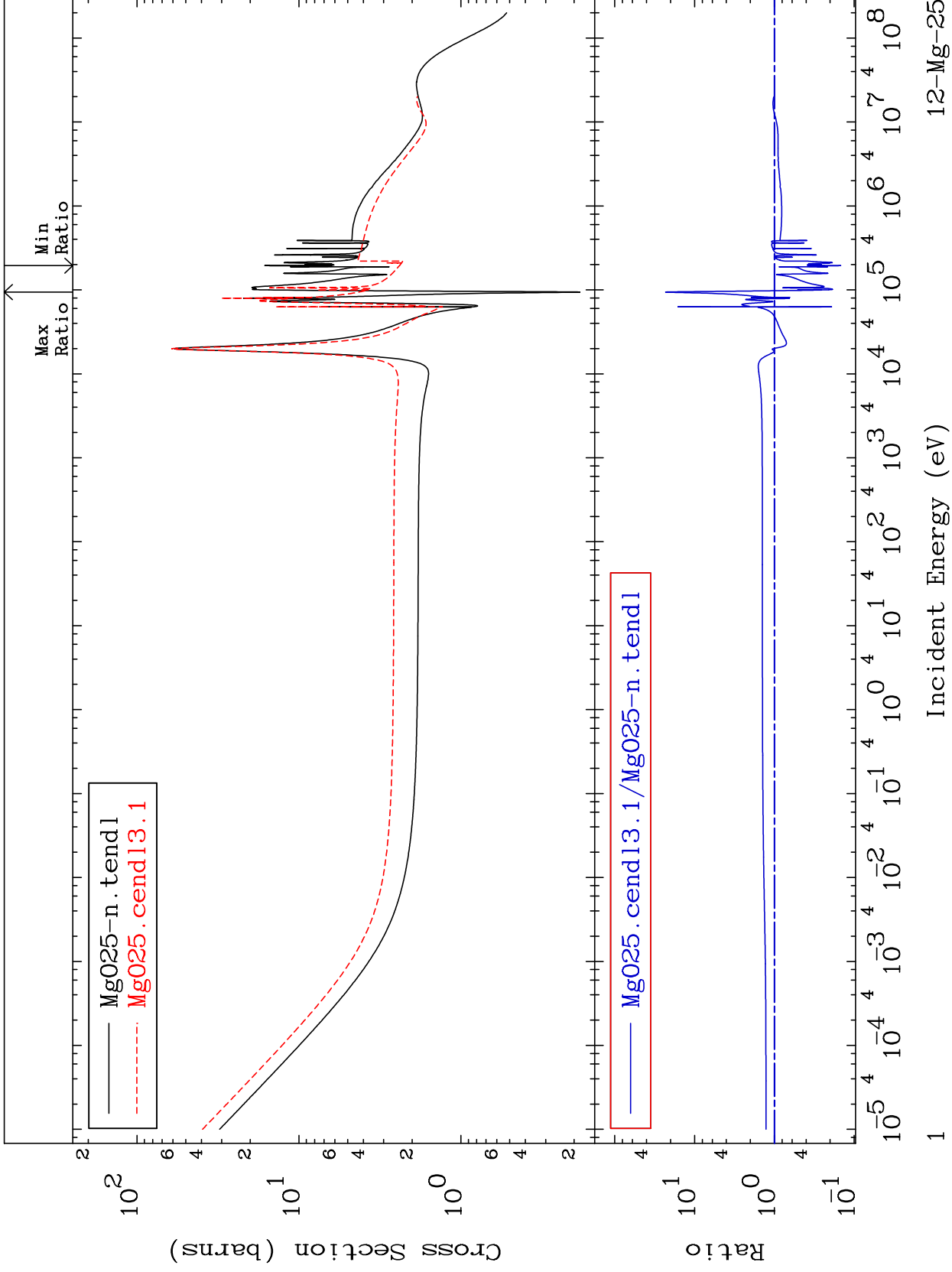


MAT 1228

Total
Cross Section

12-Mg-25
-85.23 To 2213. %

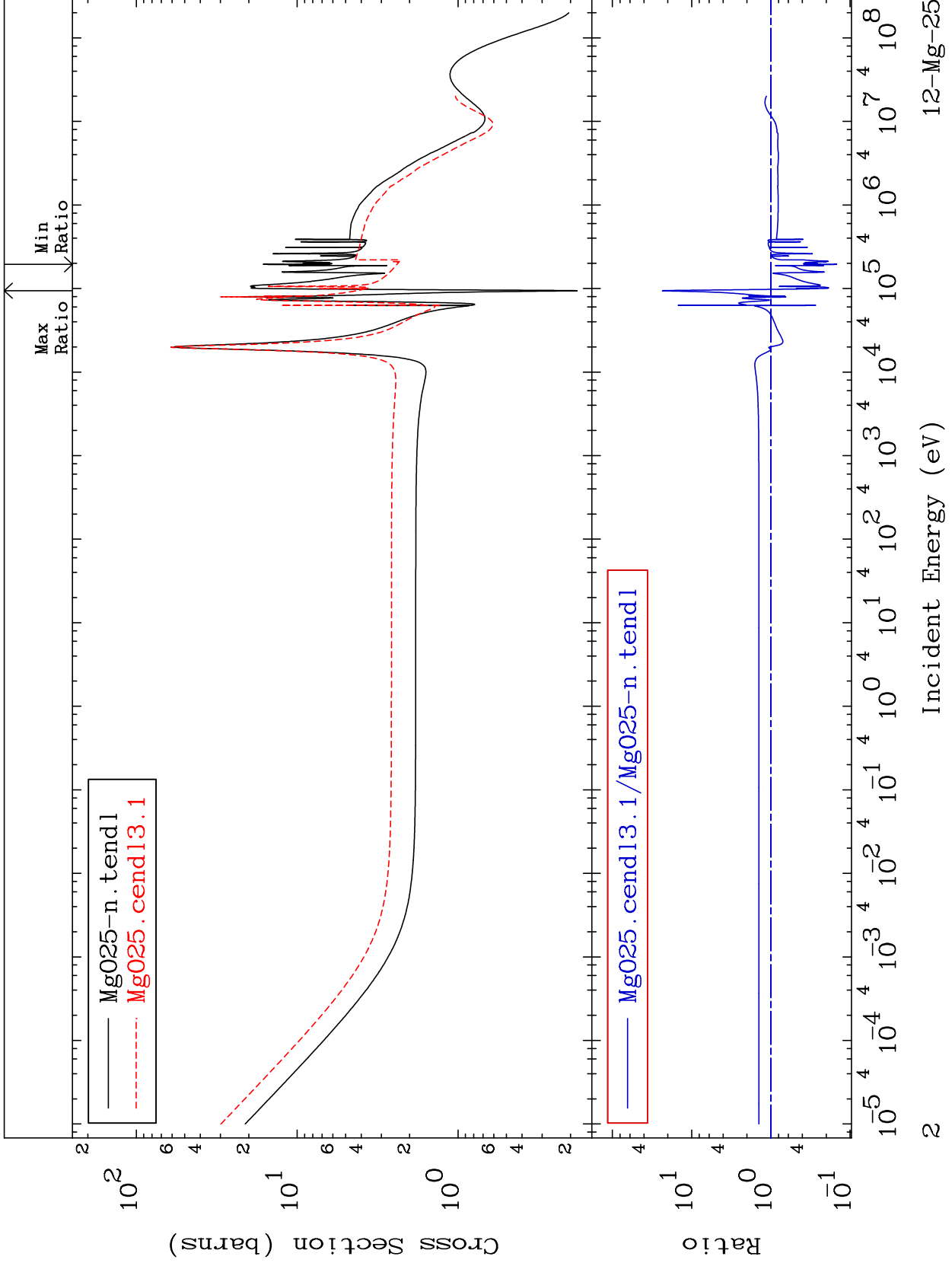


12-Mg-25

MAT 1228

Elastic
Cross Section

12-Mg-25
-85.23 To 2245. %

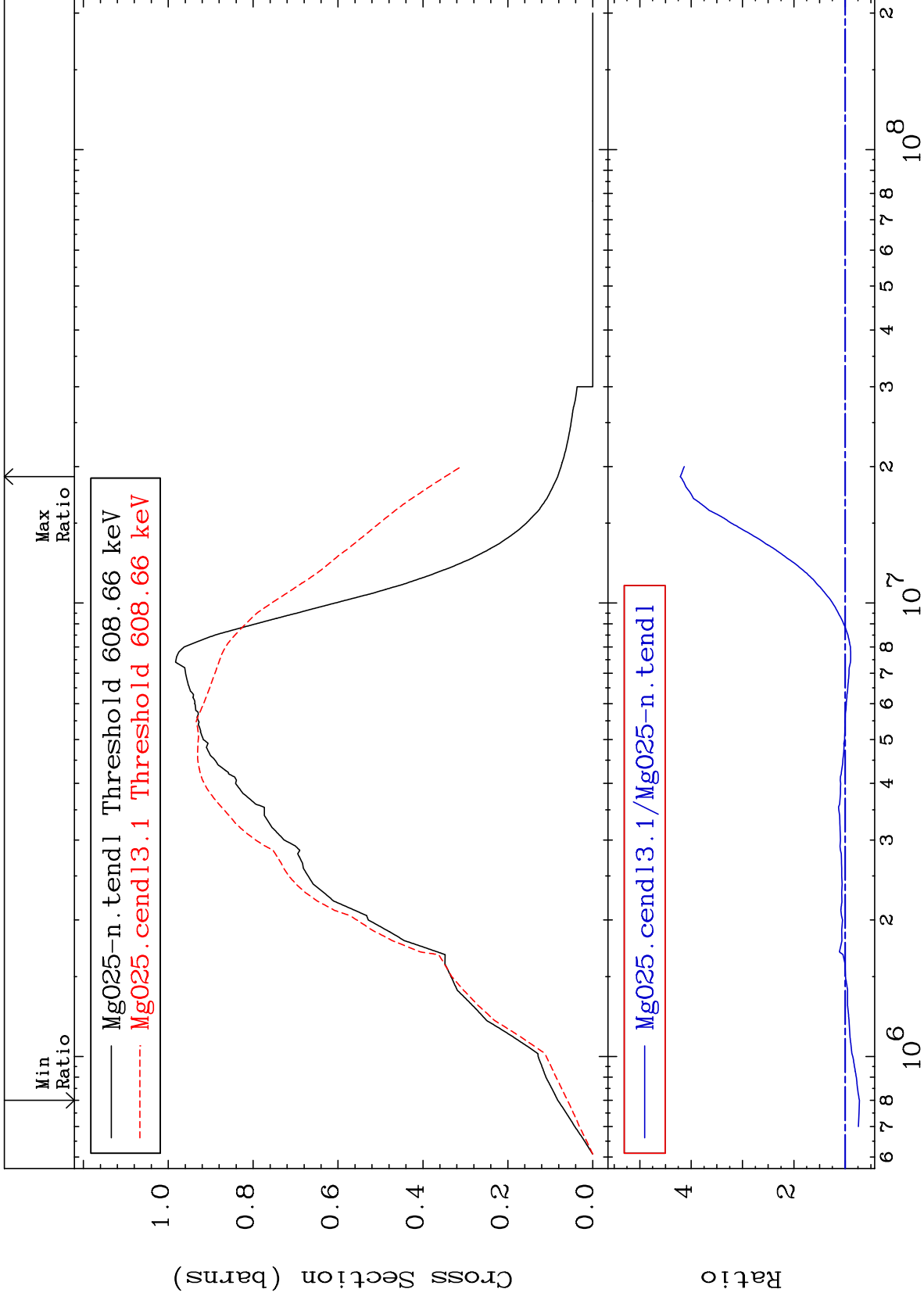


12-Mg-25

MAT 1228

Inelastic
Cross Section

12-Mg-25
-27.70 To 321.0 %



3

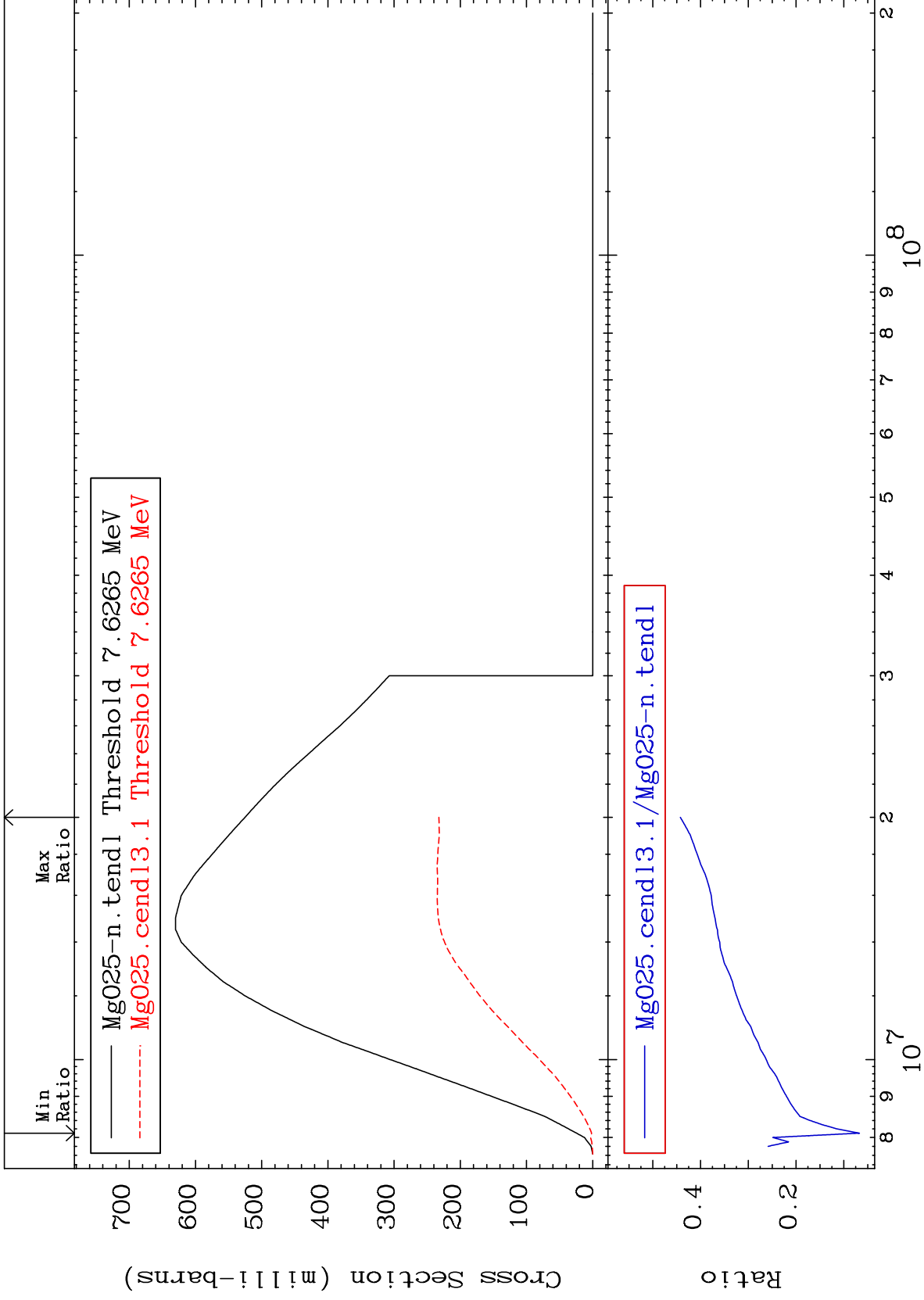
MAT 1228

(n,2n)

12-Mg-25

Cross Section

-93.27 To -55.77%



4

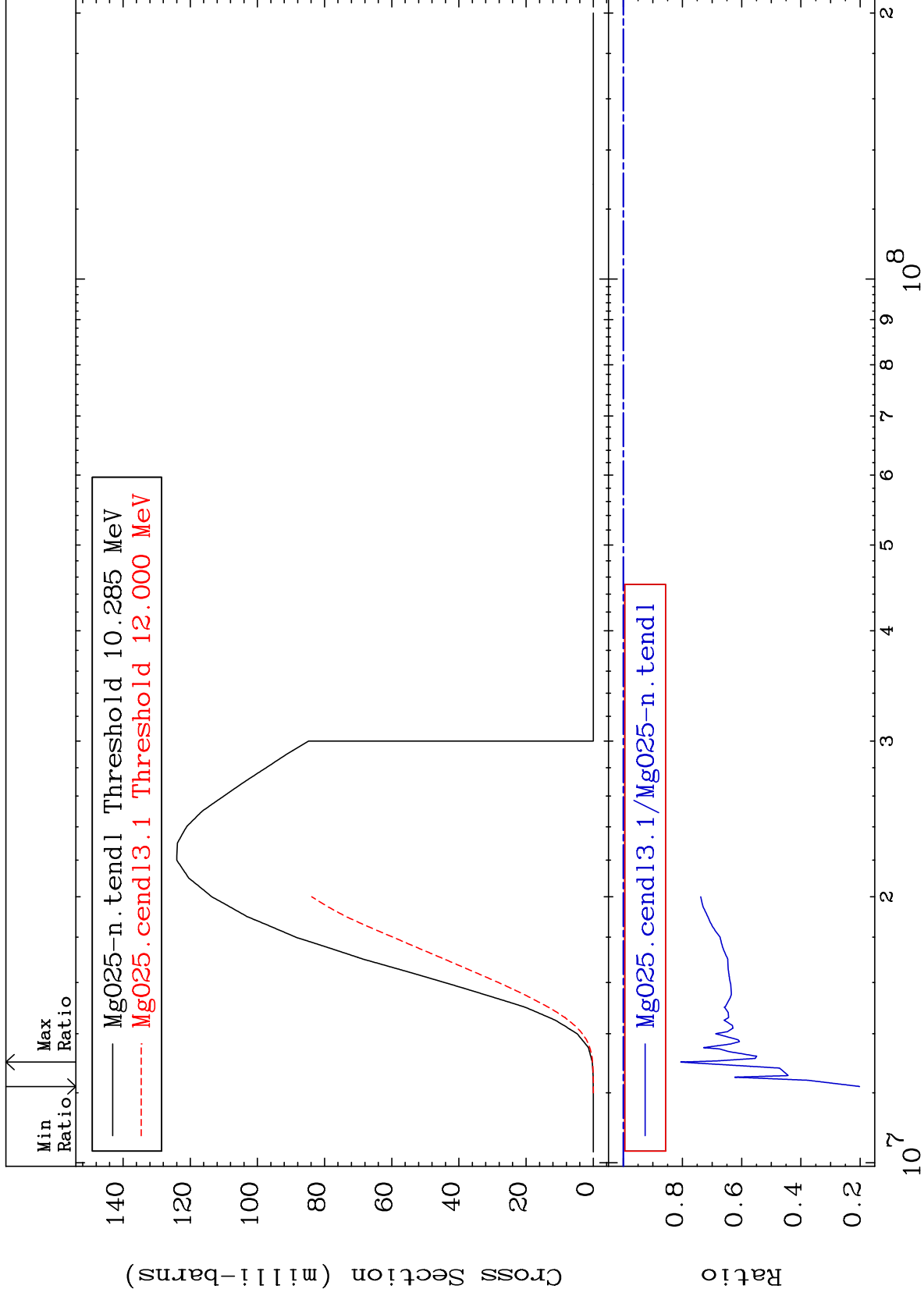
Incident Energy (eV)

12-Mg-25

MAT 1228

(n, n') α
Cross Section

12-Mg-25
-79.79 To -19.43%

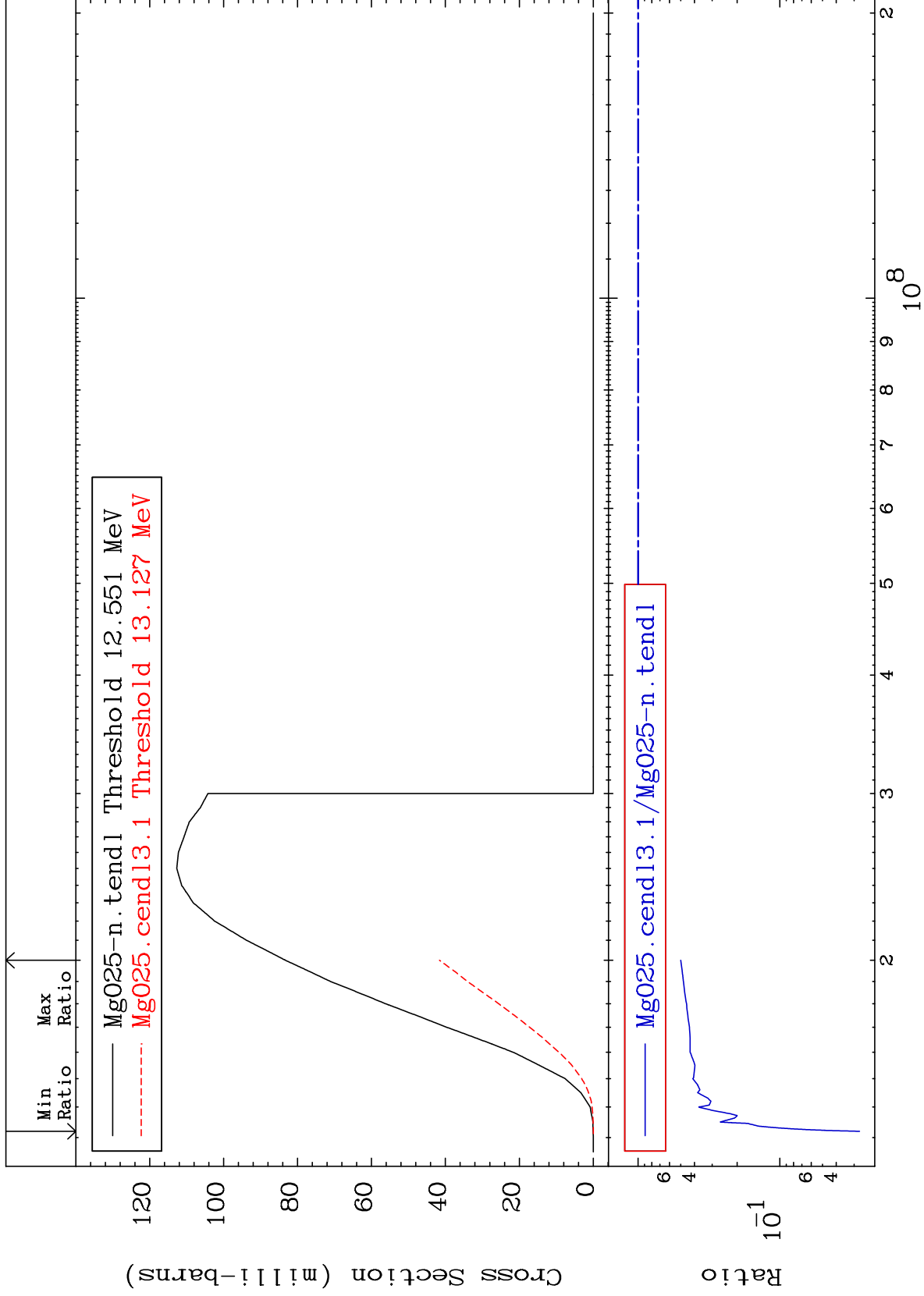


12-Mg-25

MAT 1228

(n, n') p
Cross Section

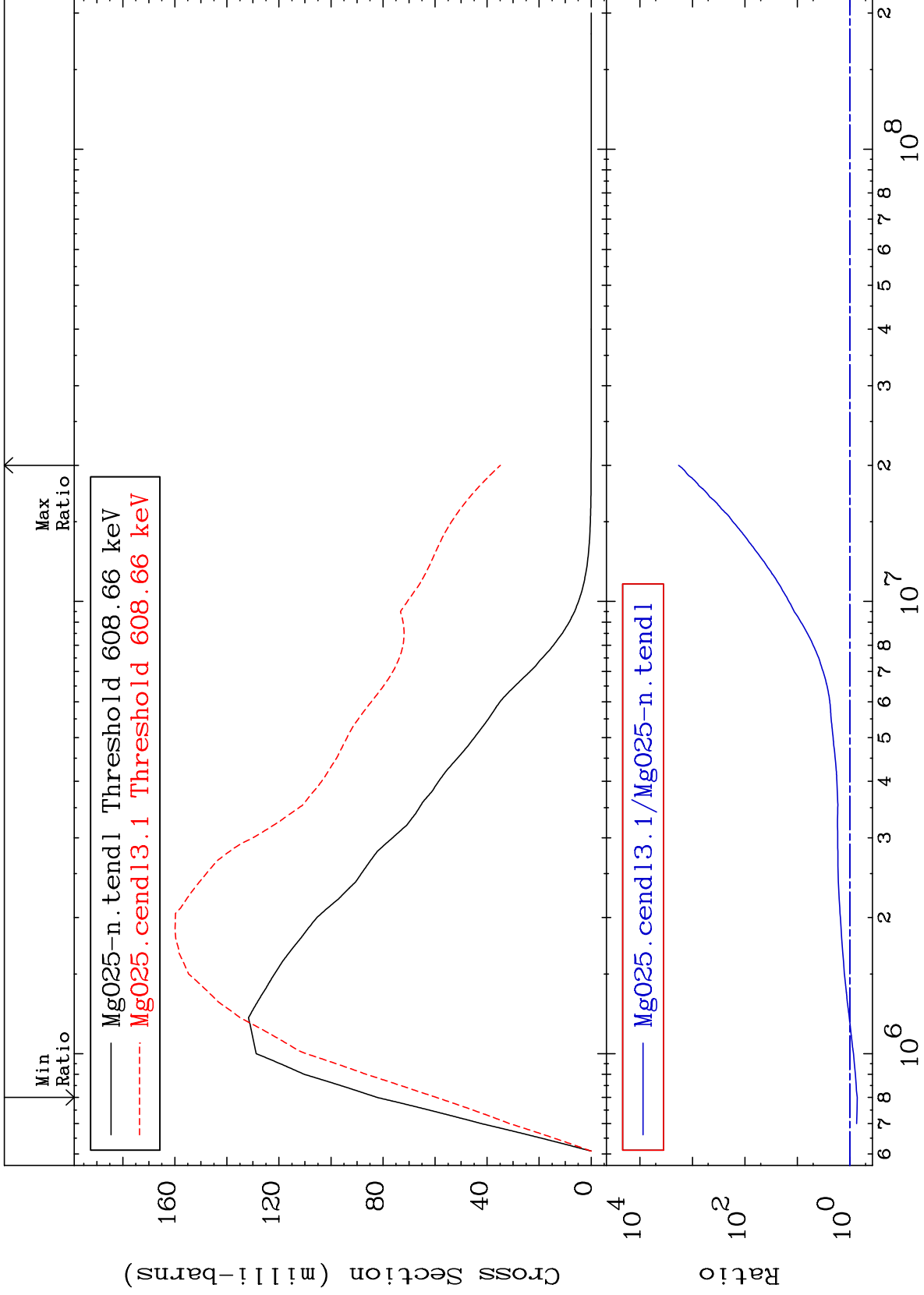
12-Mg-25
-97.26 To -50.03%



MAT 1228

585.0 keV (n,n') Level
Cross Section

12-Mg-25
-27.70 To 9999. %



7

Incident Energy (eV)

12-Mg-25

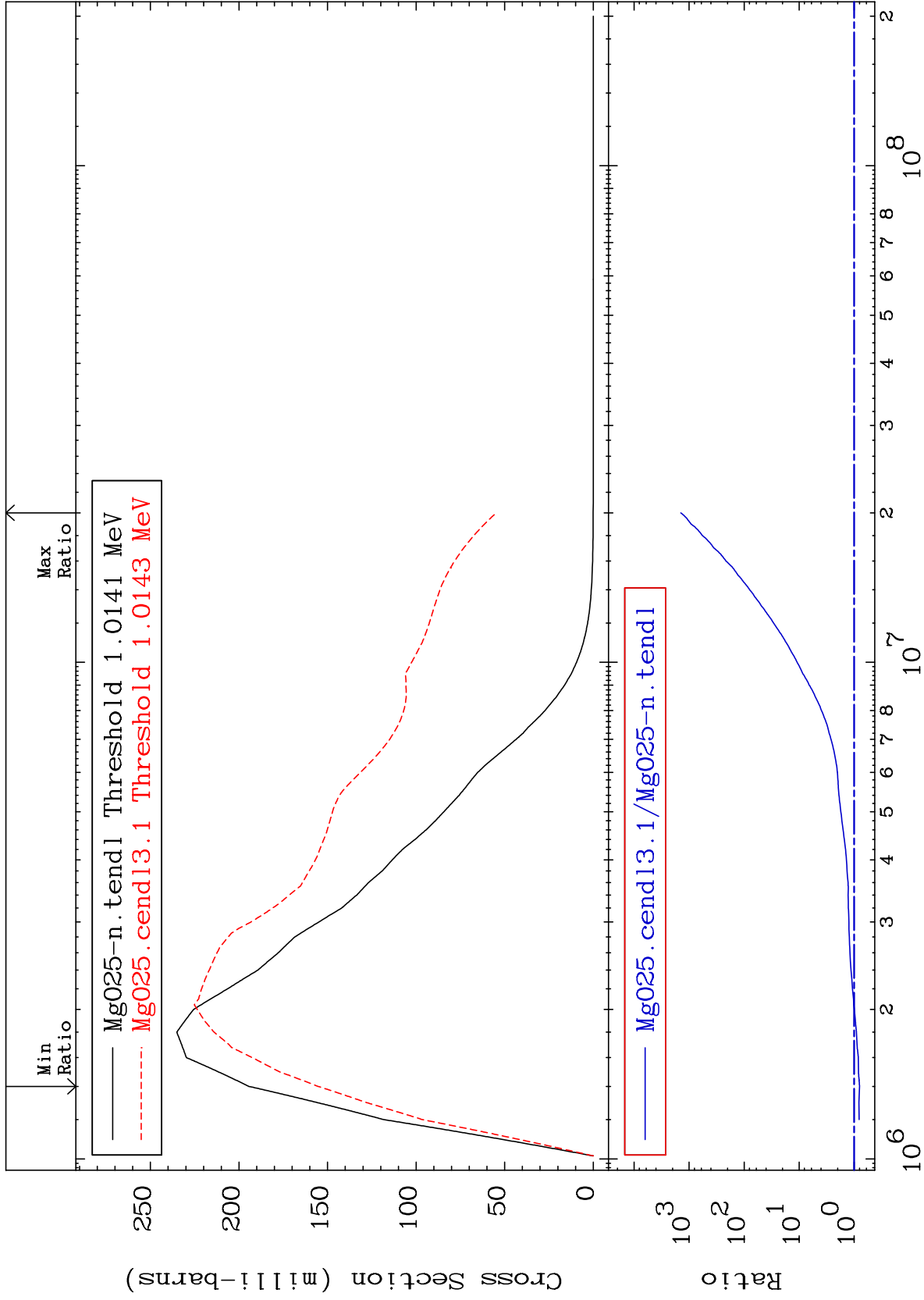
MAT 1228

974.8 keV (n,n') Level

12-Mg-25

-20.11 To 9999. %

Cross Section



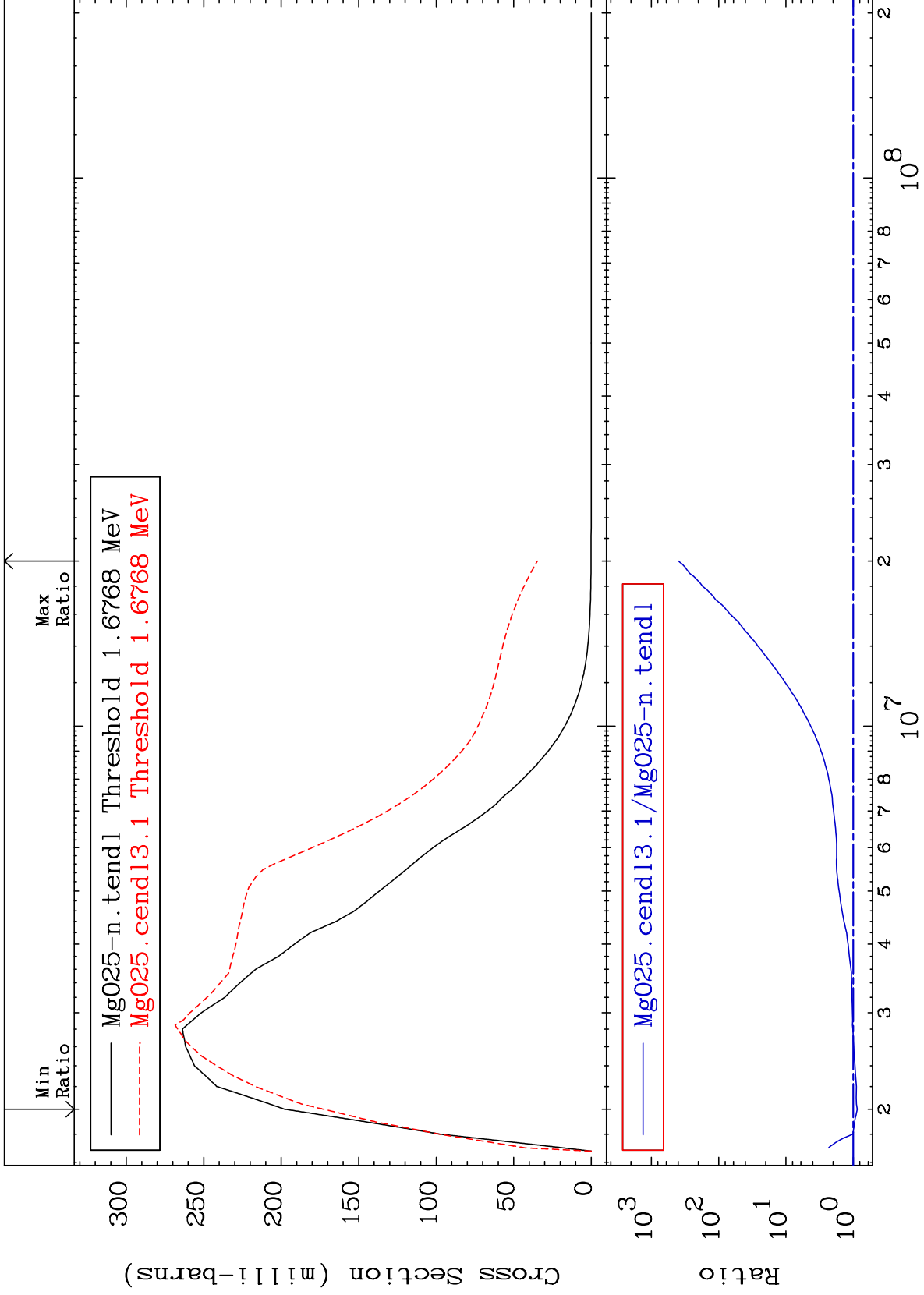
Incident Energy (eV)

12-Mg-25

MAT 1228

1.612 MeV (n,n') Level
Cross Section

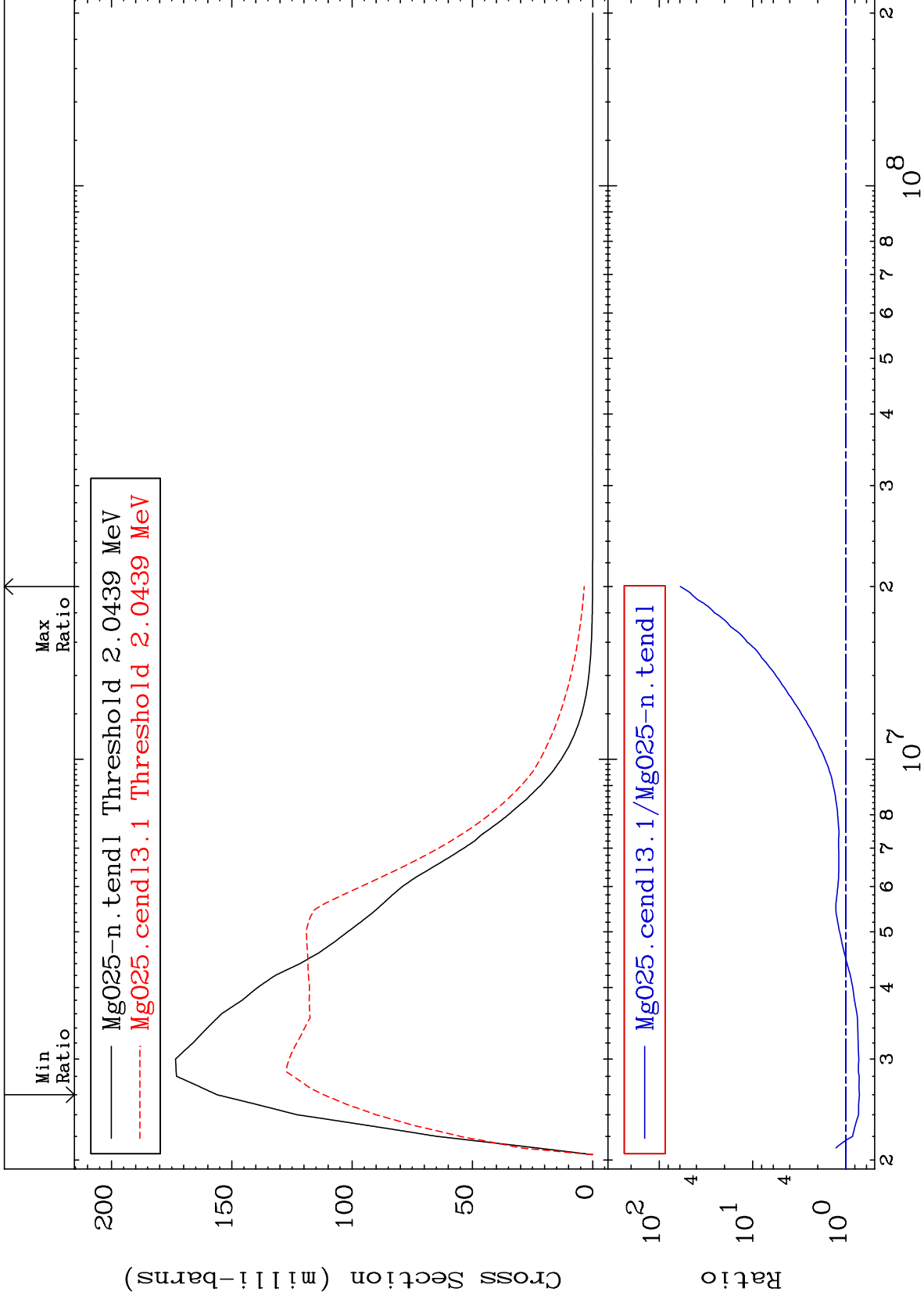
12-Mg-25
-12.66 To 9999. %



MAT 1228

1.965 MeV (n,n') Level
Cross Section

12-Mg-25
-28.39 To 5843. %



10

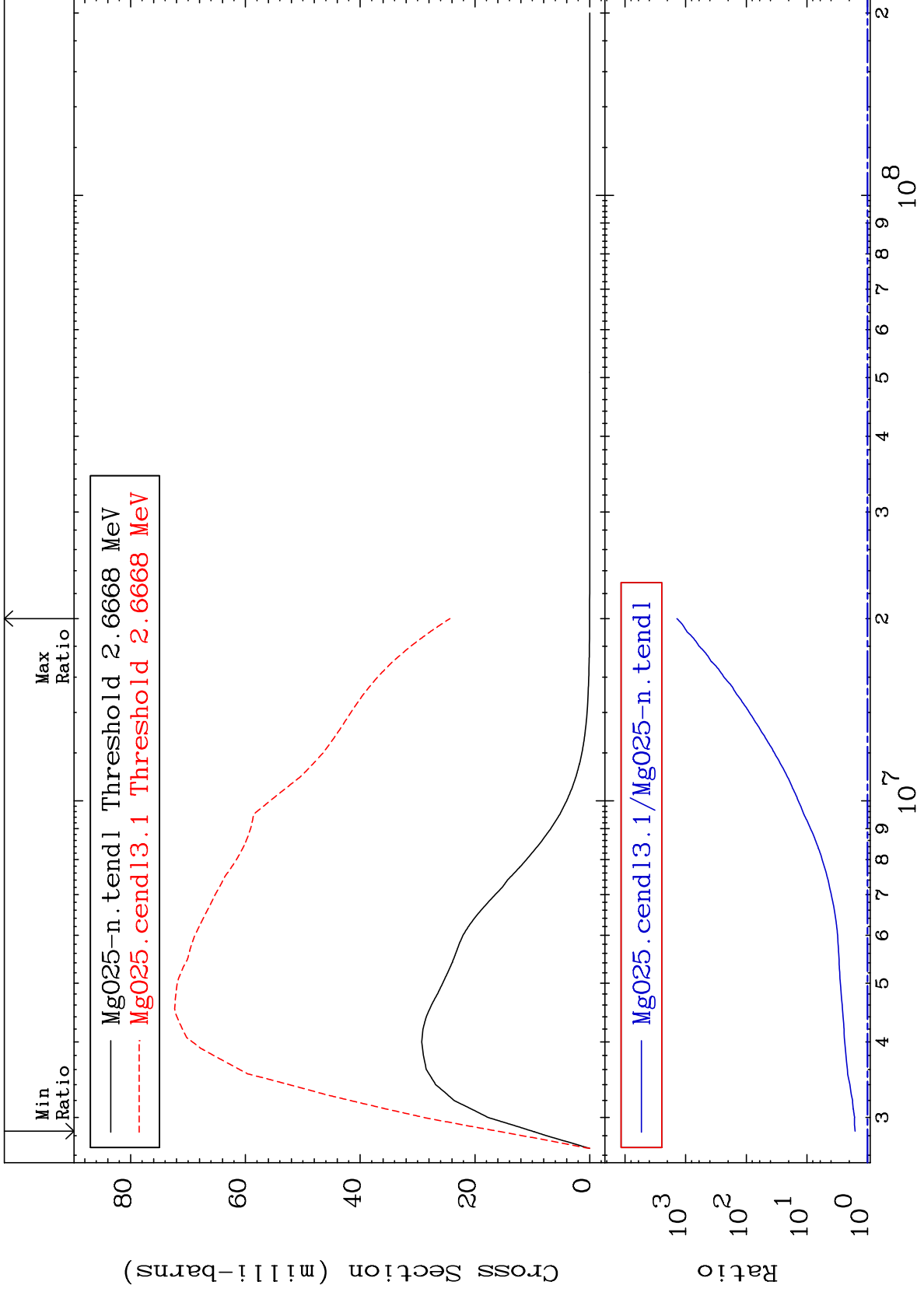
Incident Energy (eV)

12-Mg-25

MAT 1228

2.563 MeV (n,n') Level
Cross Section

12-Mg-25
60.14 To 9999. %



11

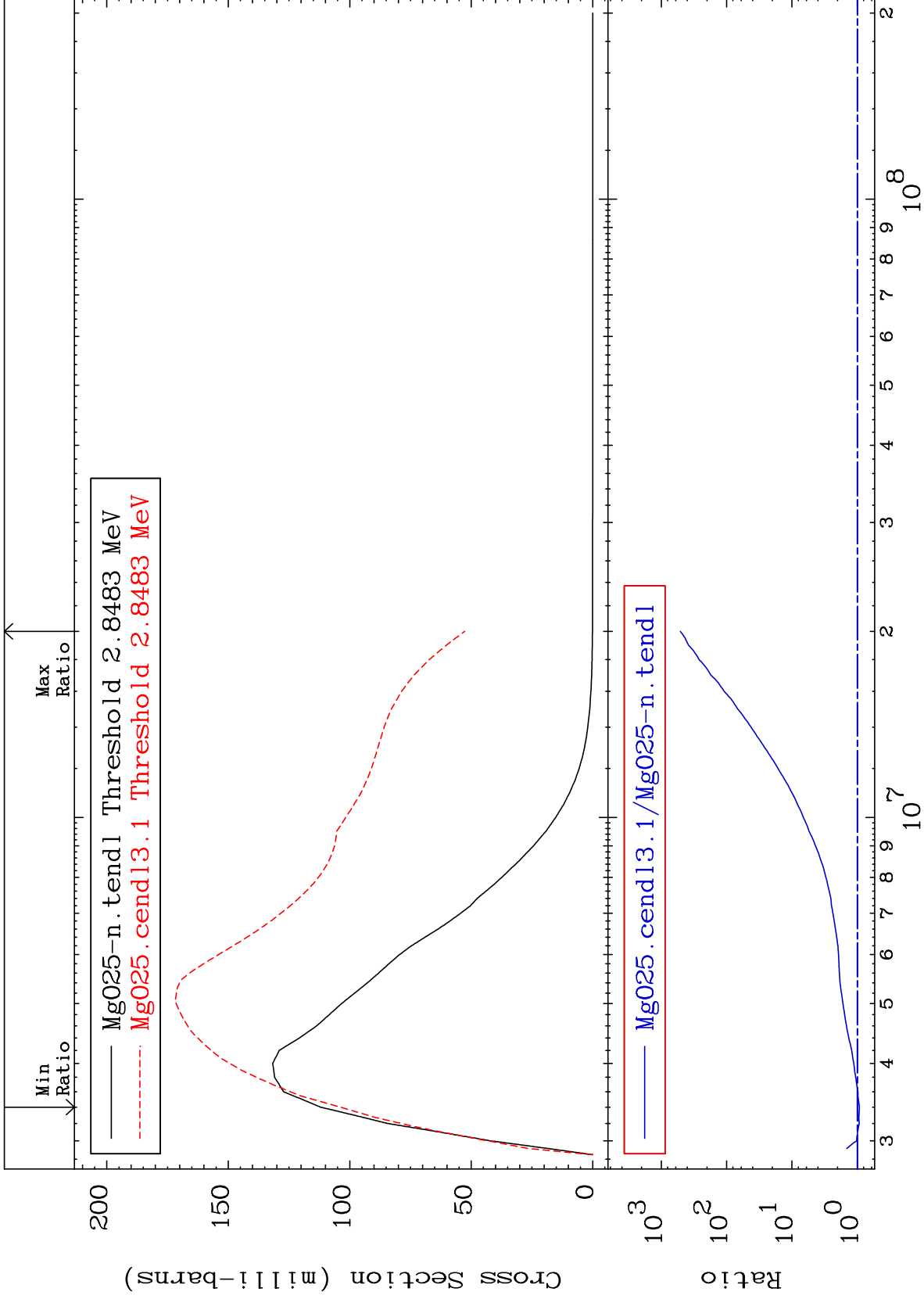
Incident Energy (eV)

12-Mg-25

MAT 1228

2.738 MeV (n,n') Level
Cross Section

12-Mg-25
-7.310 To 9999. %



12

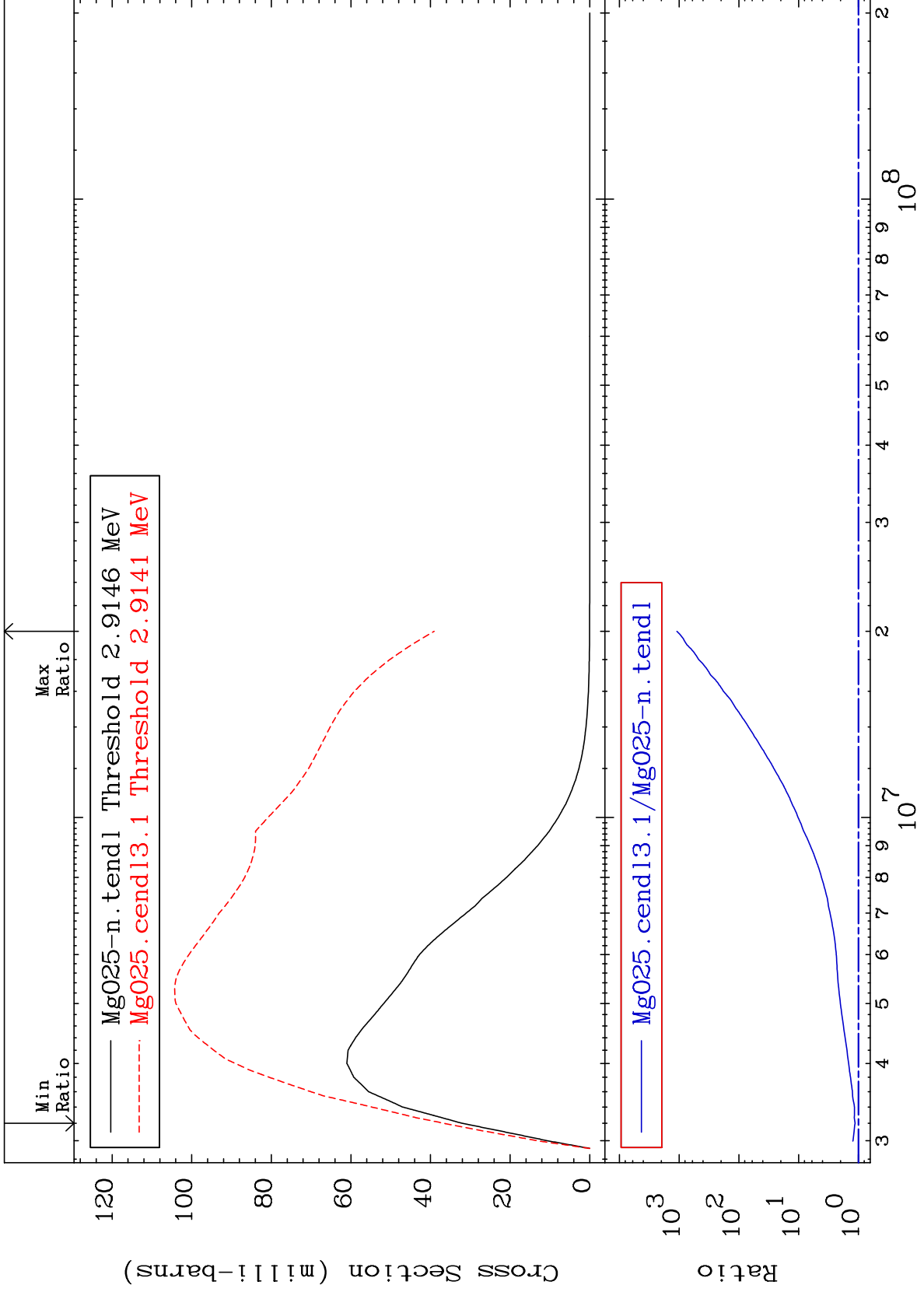
Incident Energy (eV)

12-Mg-25

MAT 1228

2.801 MeV (n,n') Level
Cross Section

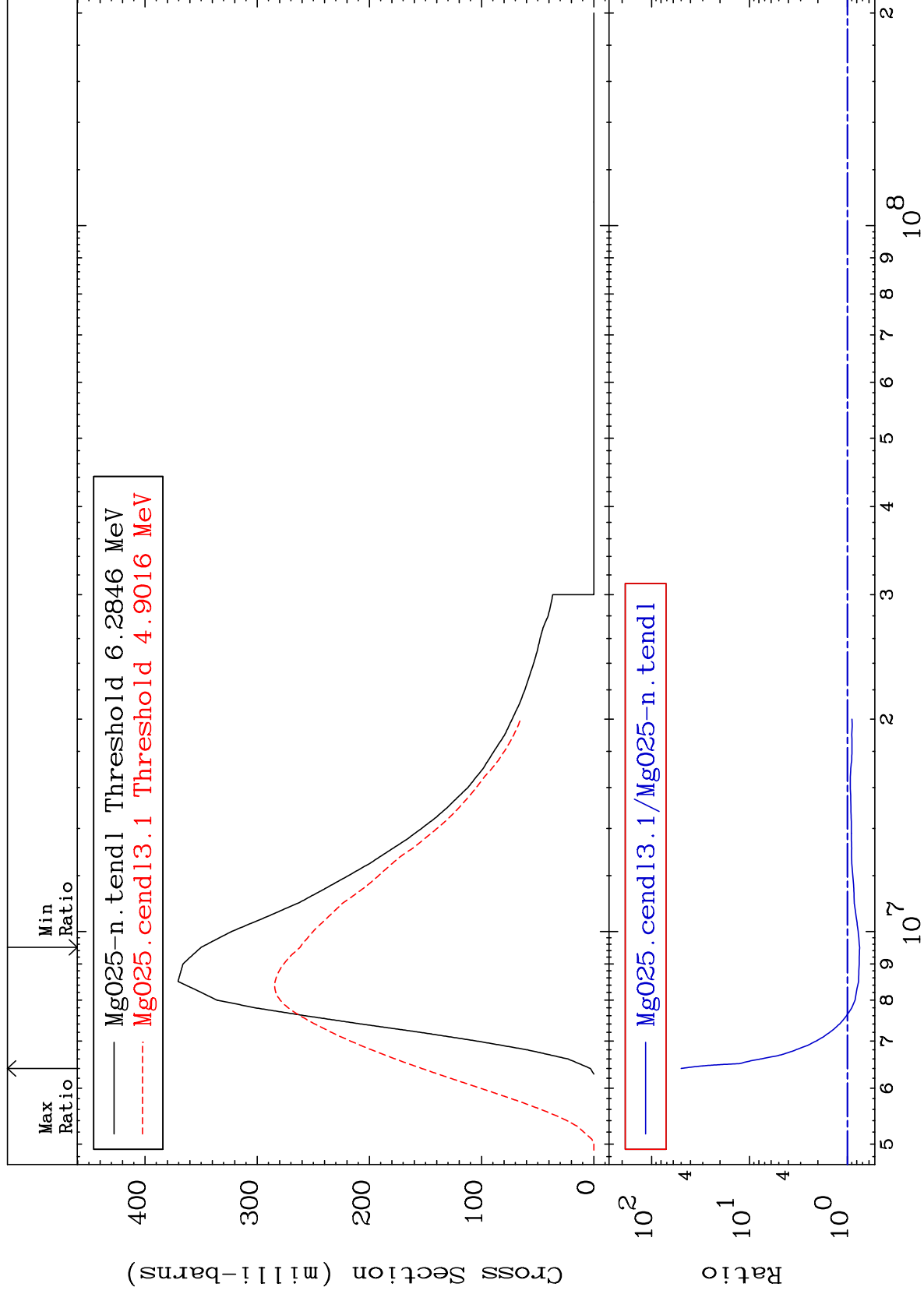
12-Mg-25
14.04 To 9999. %



MAT 1228

(n, n') Continuum
Cross Section

12-Mg-25
-25.21 To 4884. %



14

Incident Energy (eV)

12-Mg-25

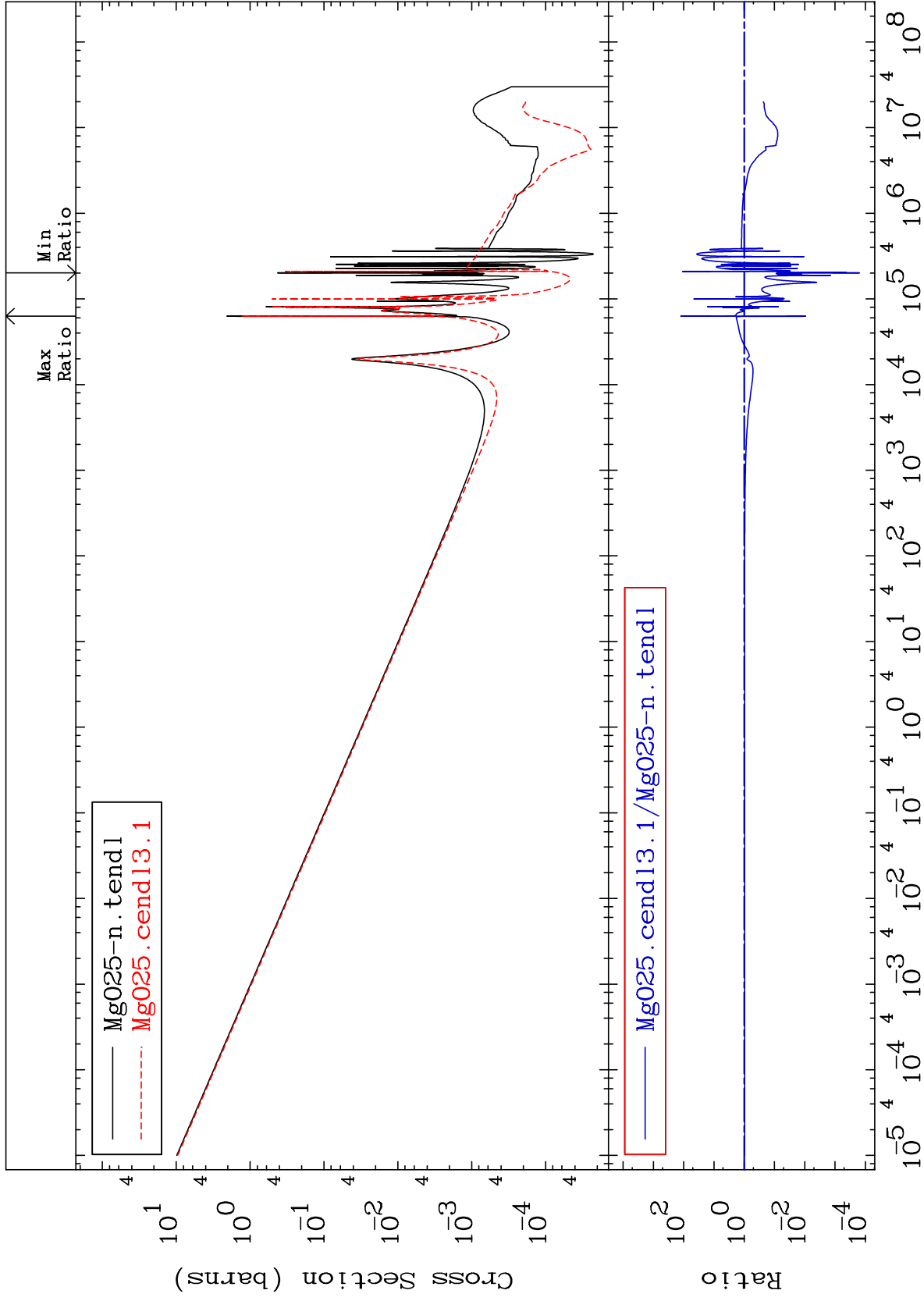
MAT 1228

(n, γ)

12-Mg-25

Cross Section

-99.98 To 9999. %



15

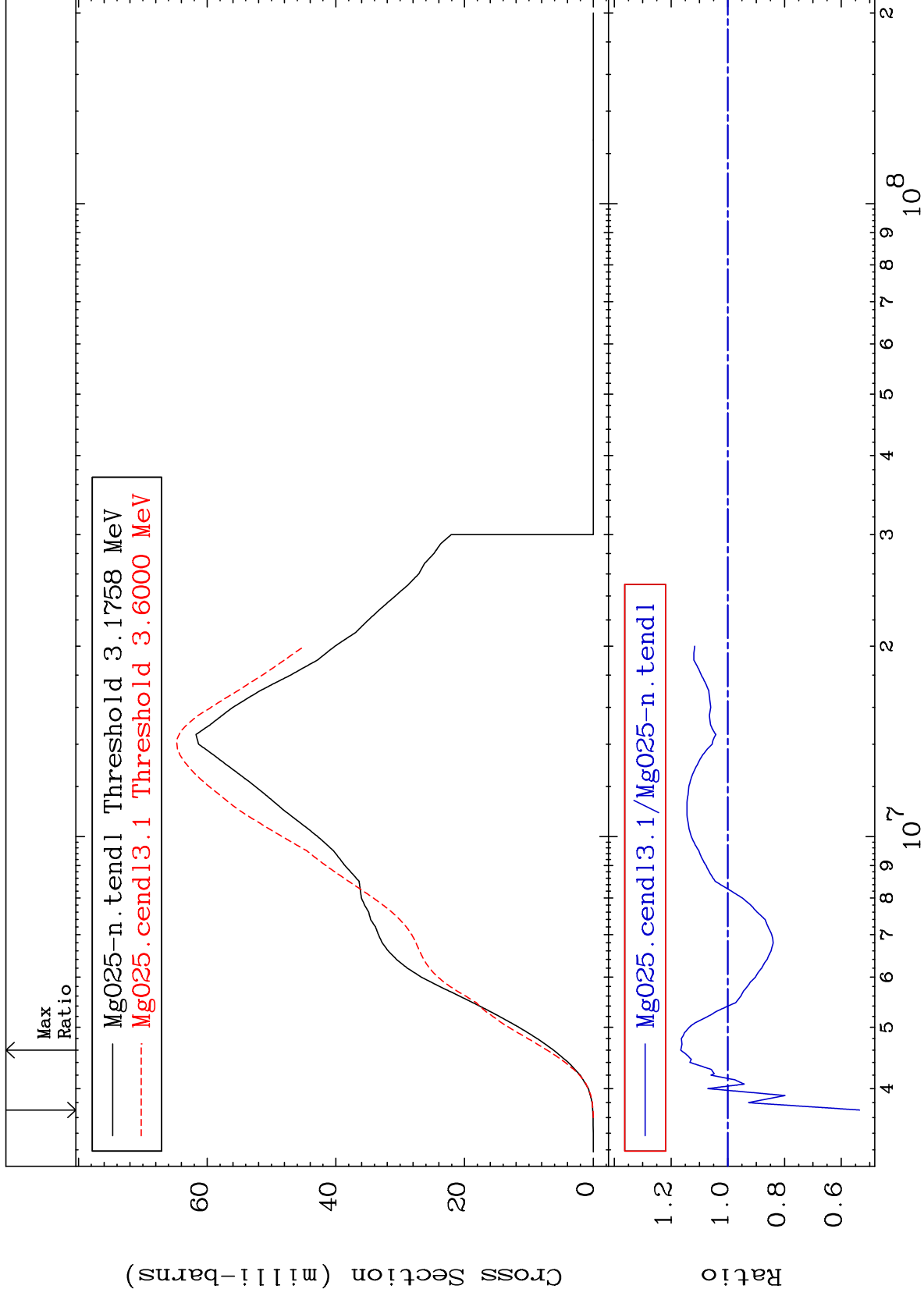
Incident Energy (eV)

12-Mg-25

MAT 1228

(n,p)
Cross Section

12-Mg-25
-46.42 To 16.58 %



16

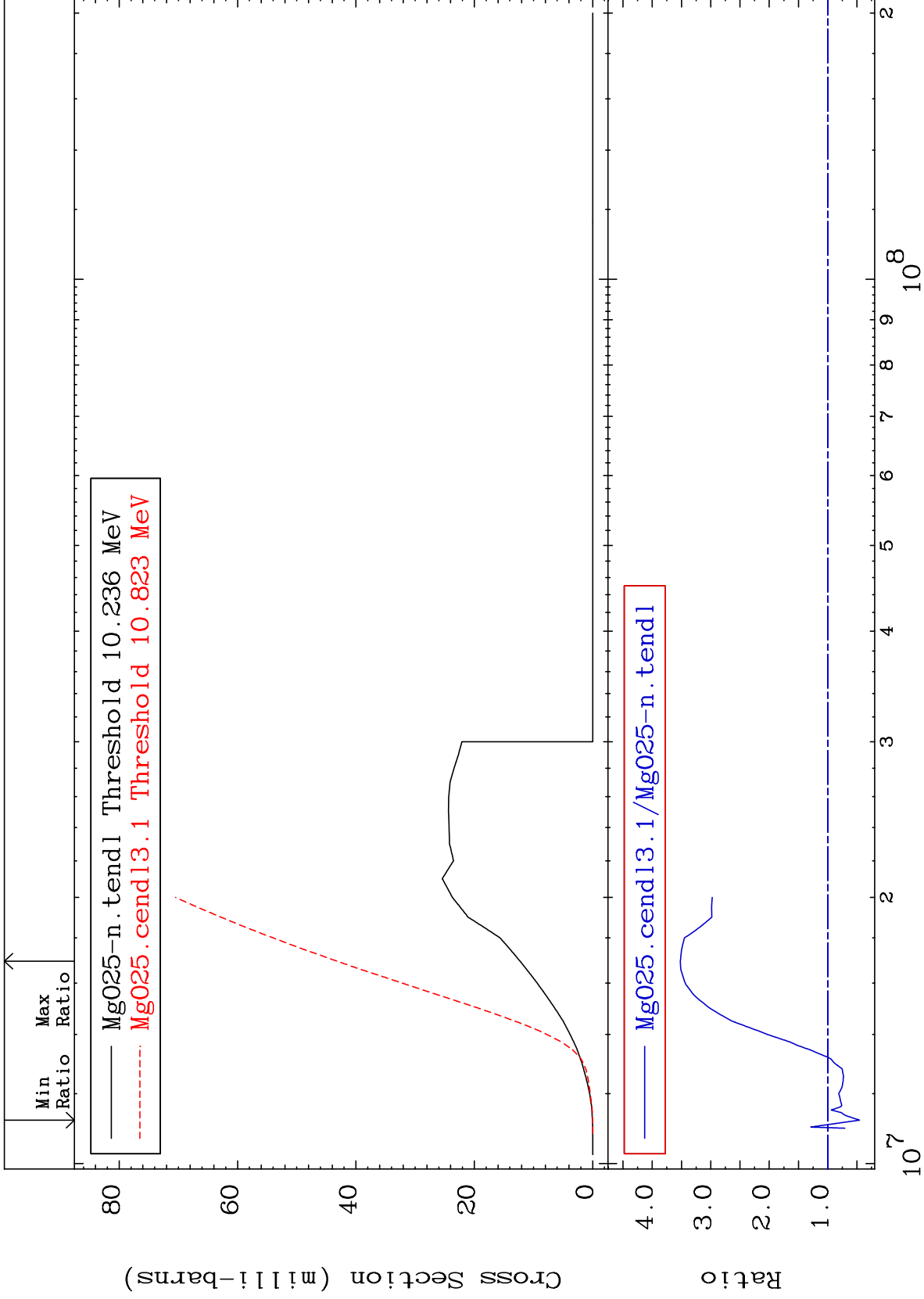
Incident Energy (eV)

12-Mg-25

MAT 1228

(n, d)
Cross Section

12-Mg-25
-54.17 To 251.9 %



17

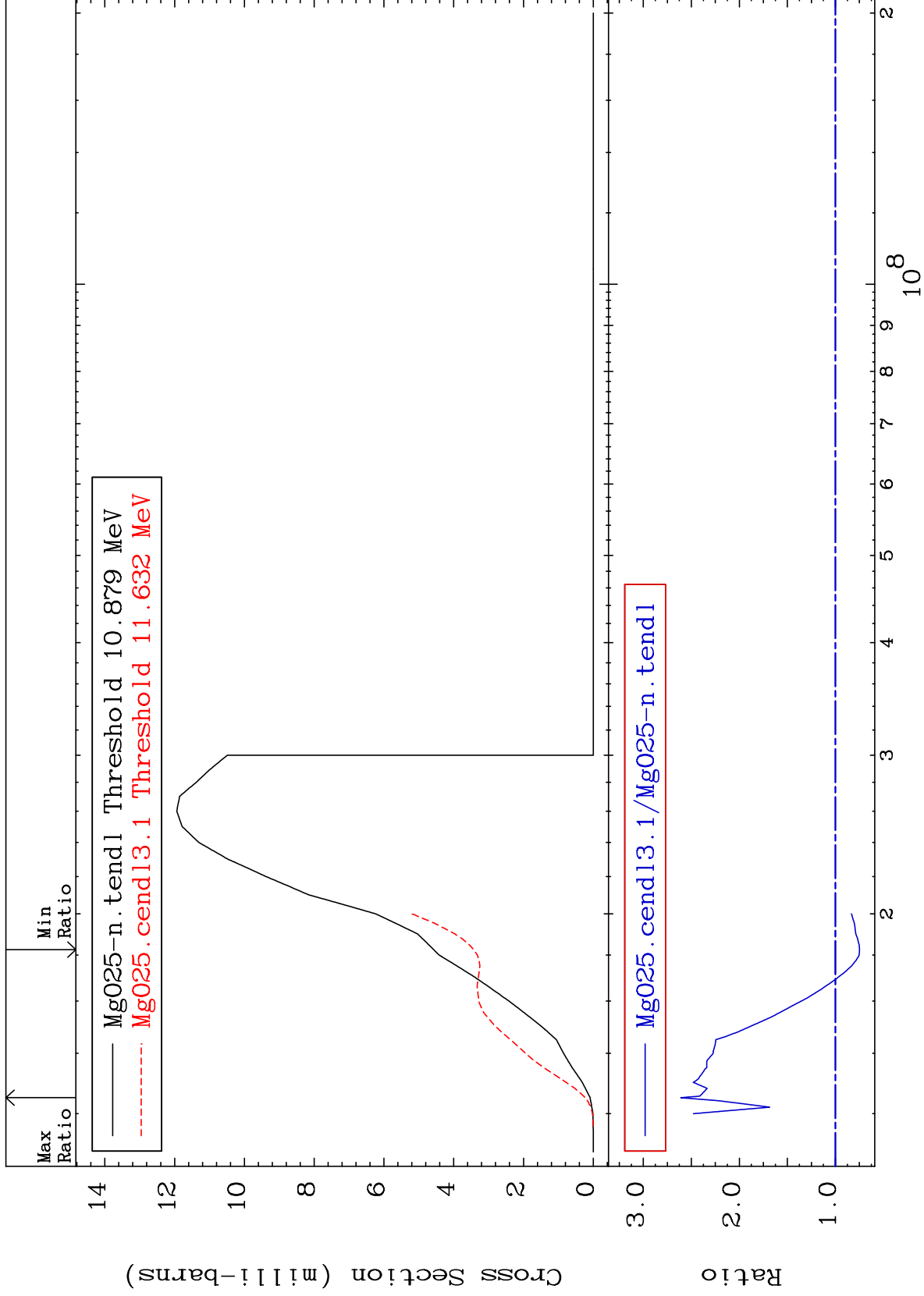
Incident Energy (eV)

12-Mg-25

MAT 1228

(n, t)
Cross Section

12-Mg-25
-25.14 To 161.0 %



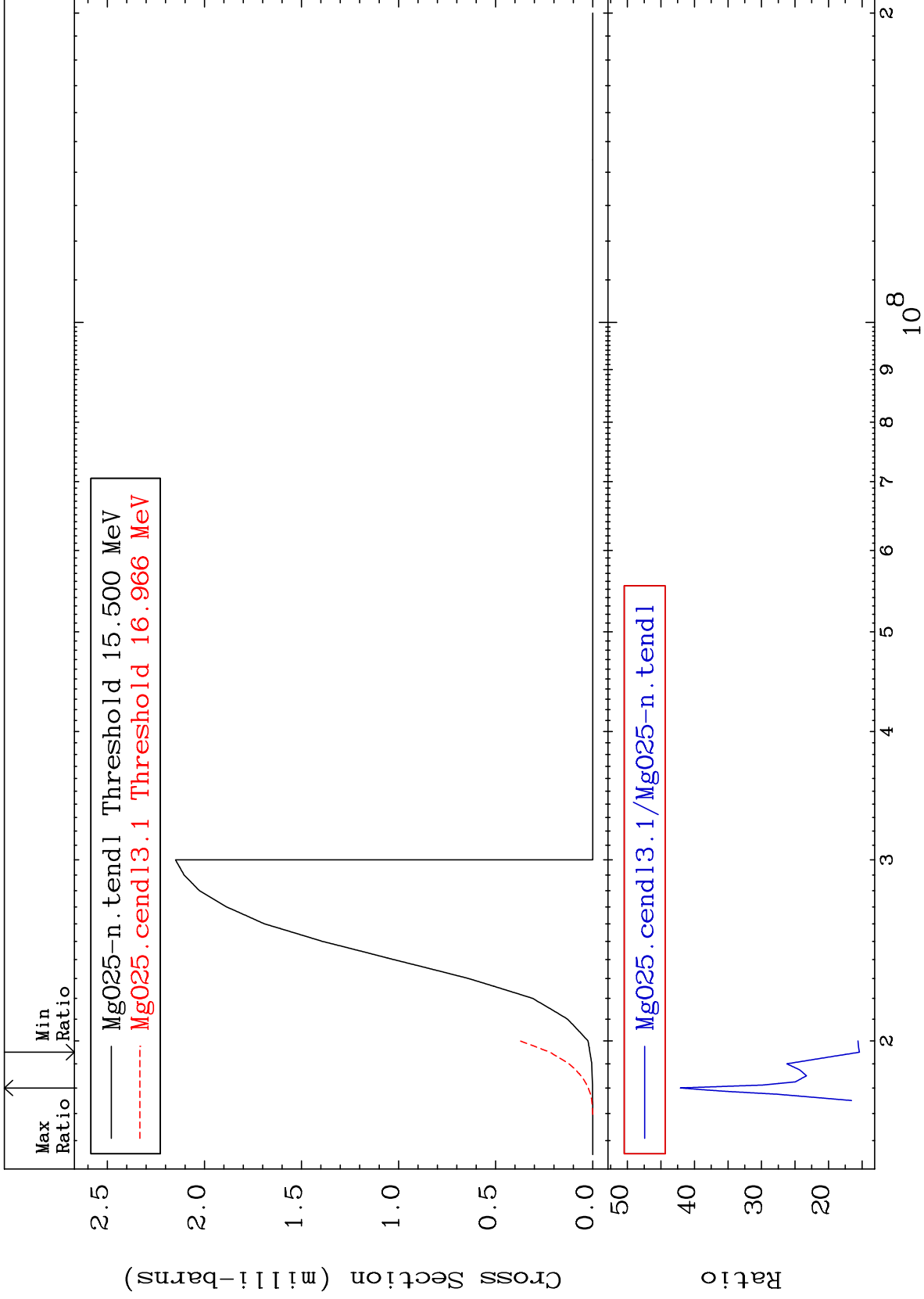
MAT 1228

(n,He-3)

12-Mg-25

Cross Section

1439. To 4110. %



19

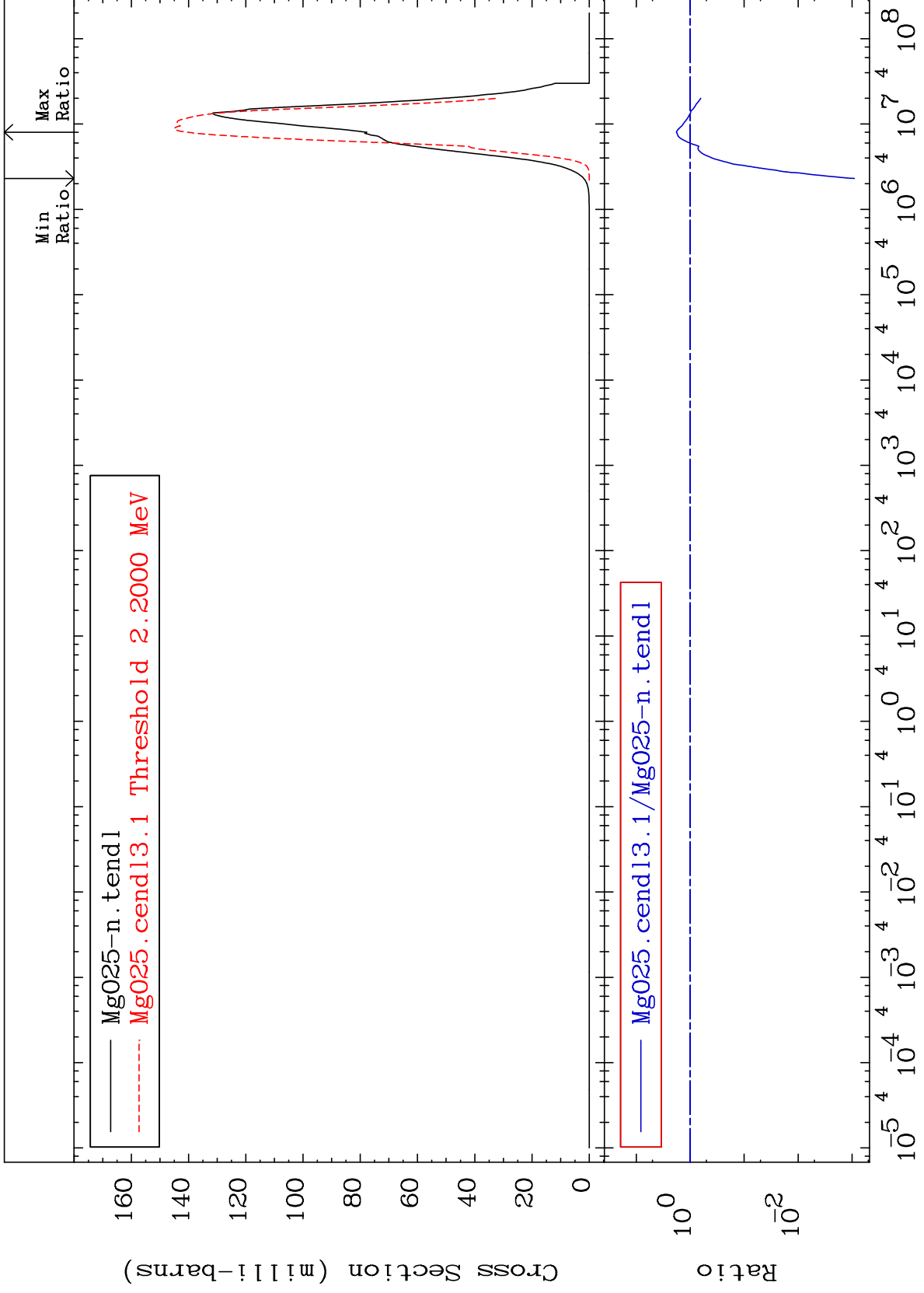
Incident Energy (eV)

12-Mg-25

MAT 1228

(n, α)
Cross Section

12-Mg-25
-99.91 To 80.60 %



Incident Energy (eV)

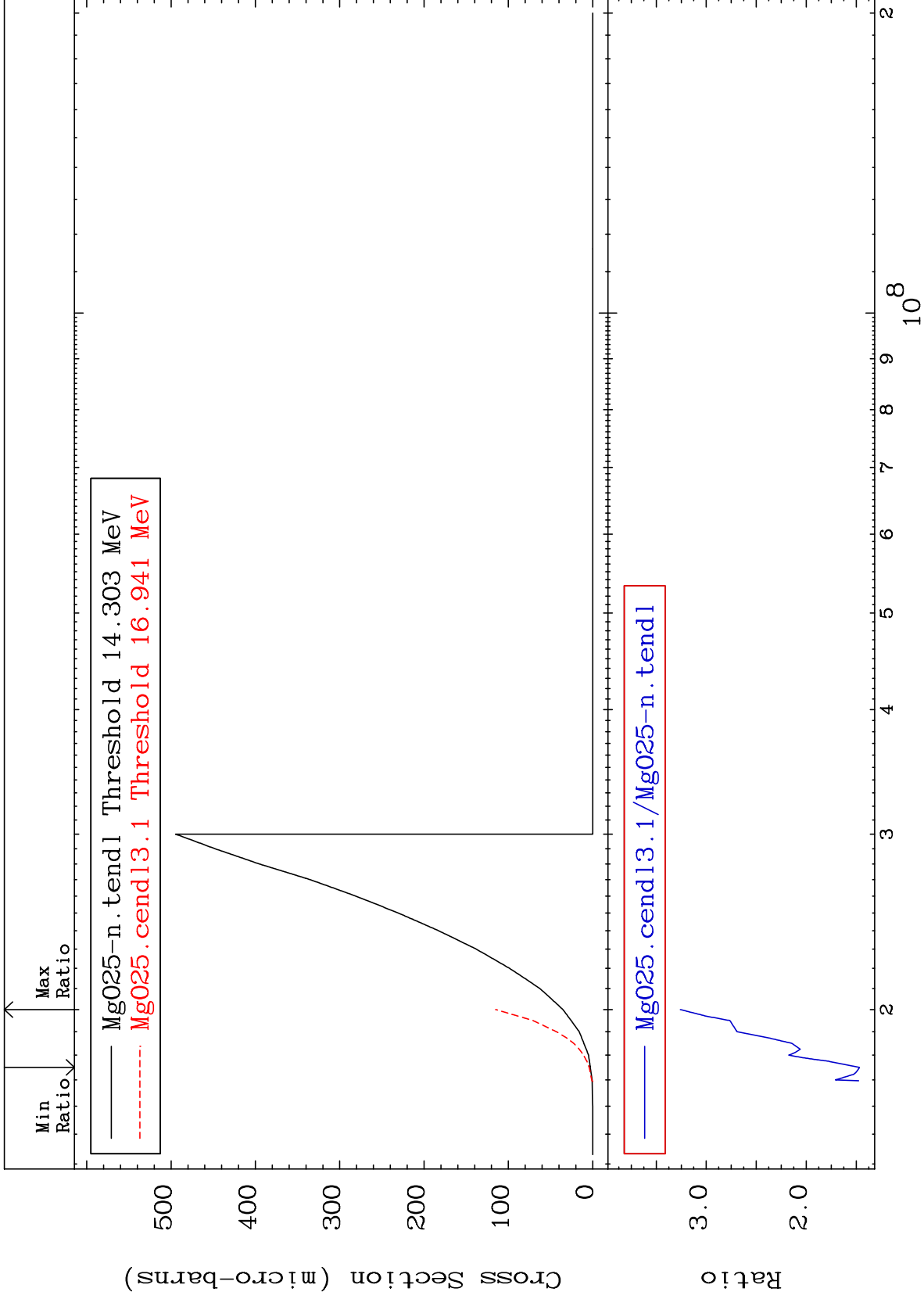
20

12-Mg-25

MAT 1228

(n,2p)
Cross Section

12-Mg-25
46.89 To 225.9 %



21

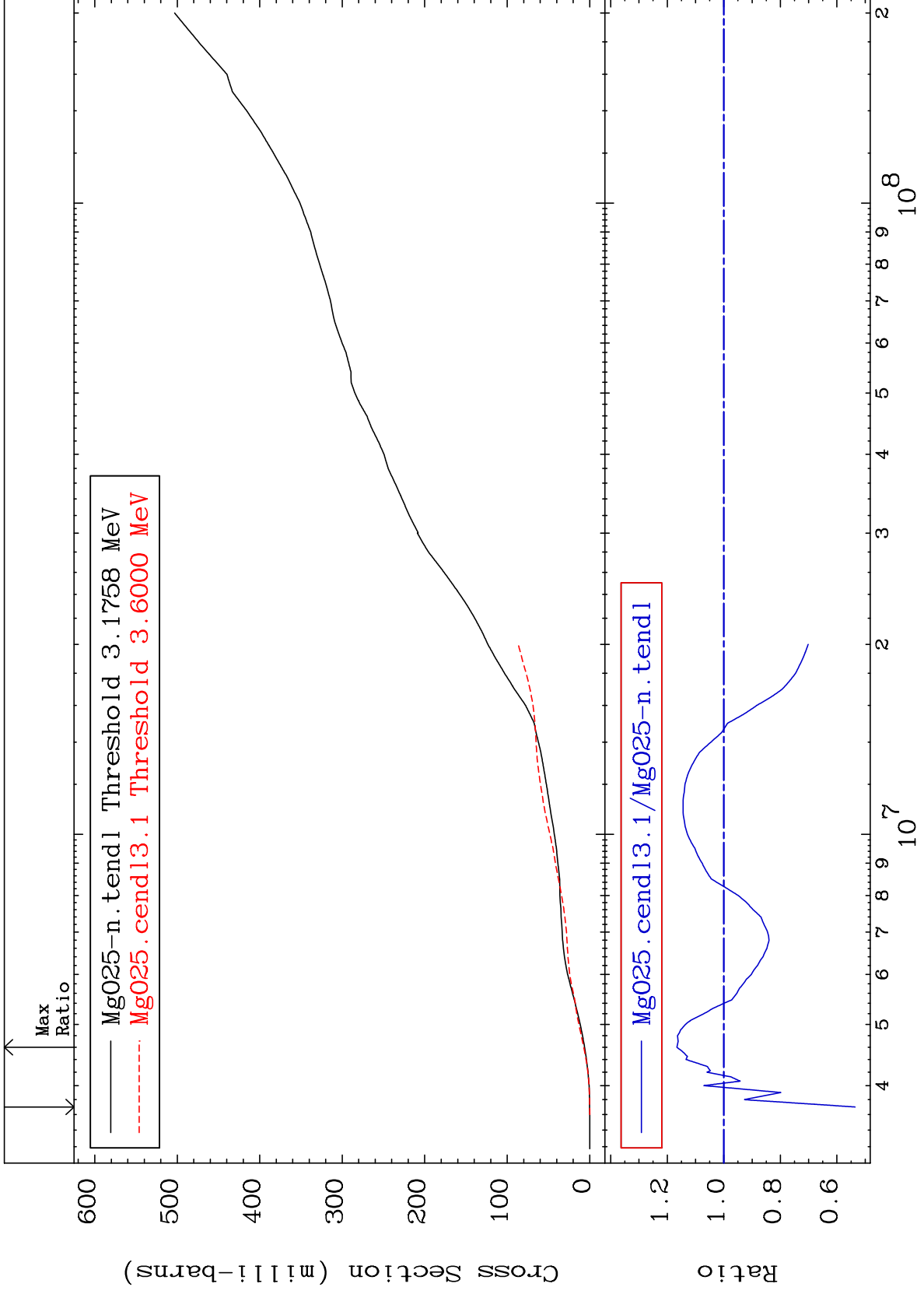
Incident Energy (eV)

12-Mg-25

MAT 1228

Hydrogen Production
Cross Section

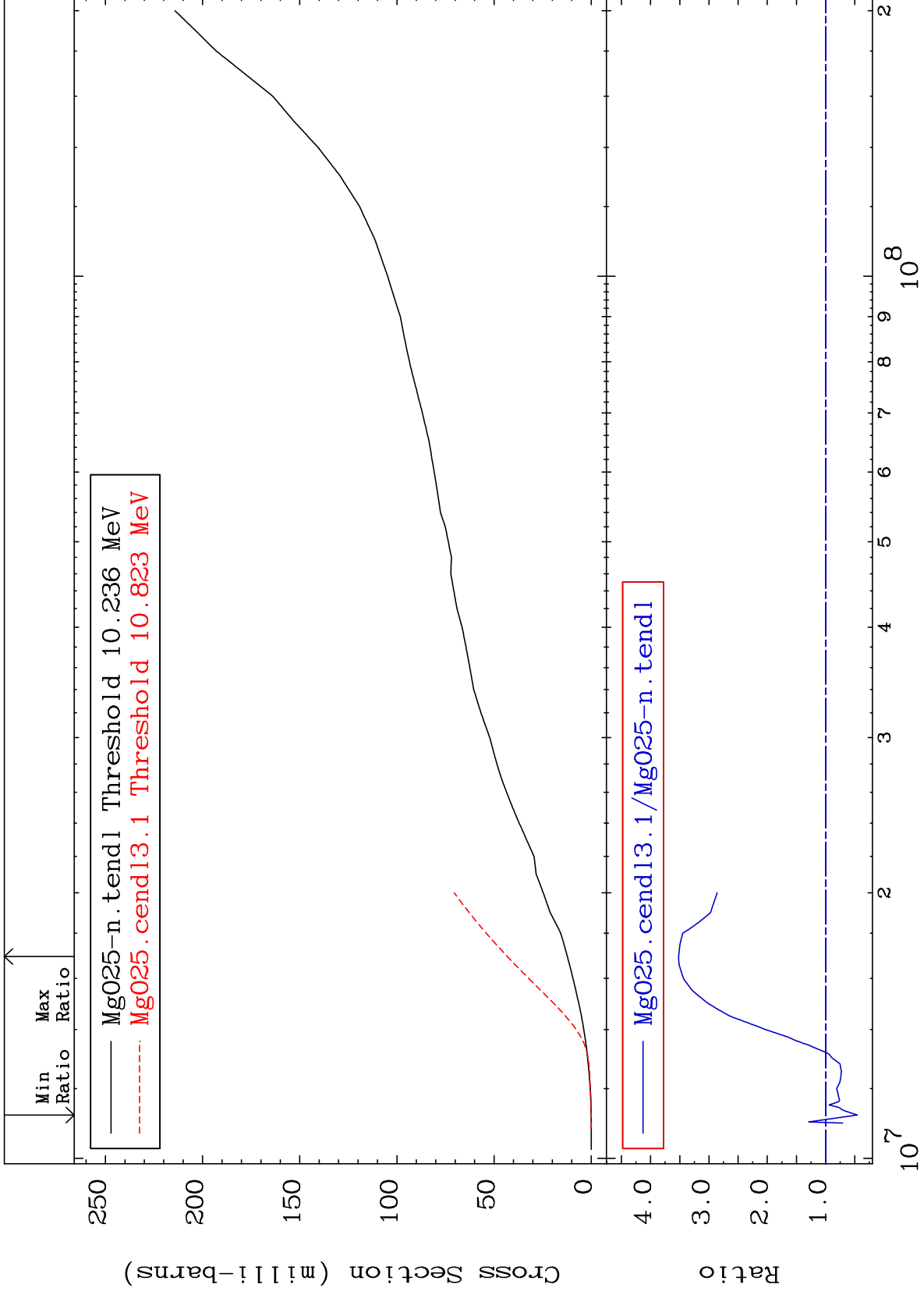
12-Mg-25
-46.42 To 16.58 %



MAT 1228

Deuterium Production
Cross Section

12-Mg-25
-54.17 To 251.9 %



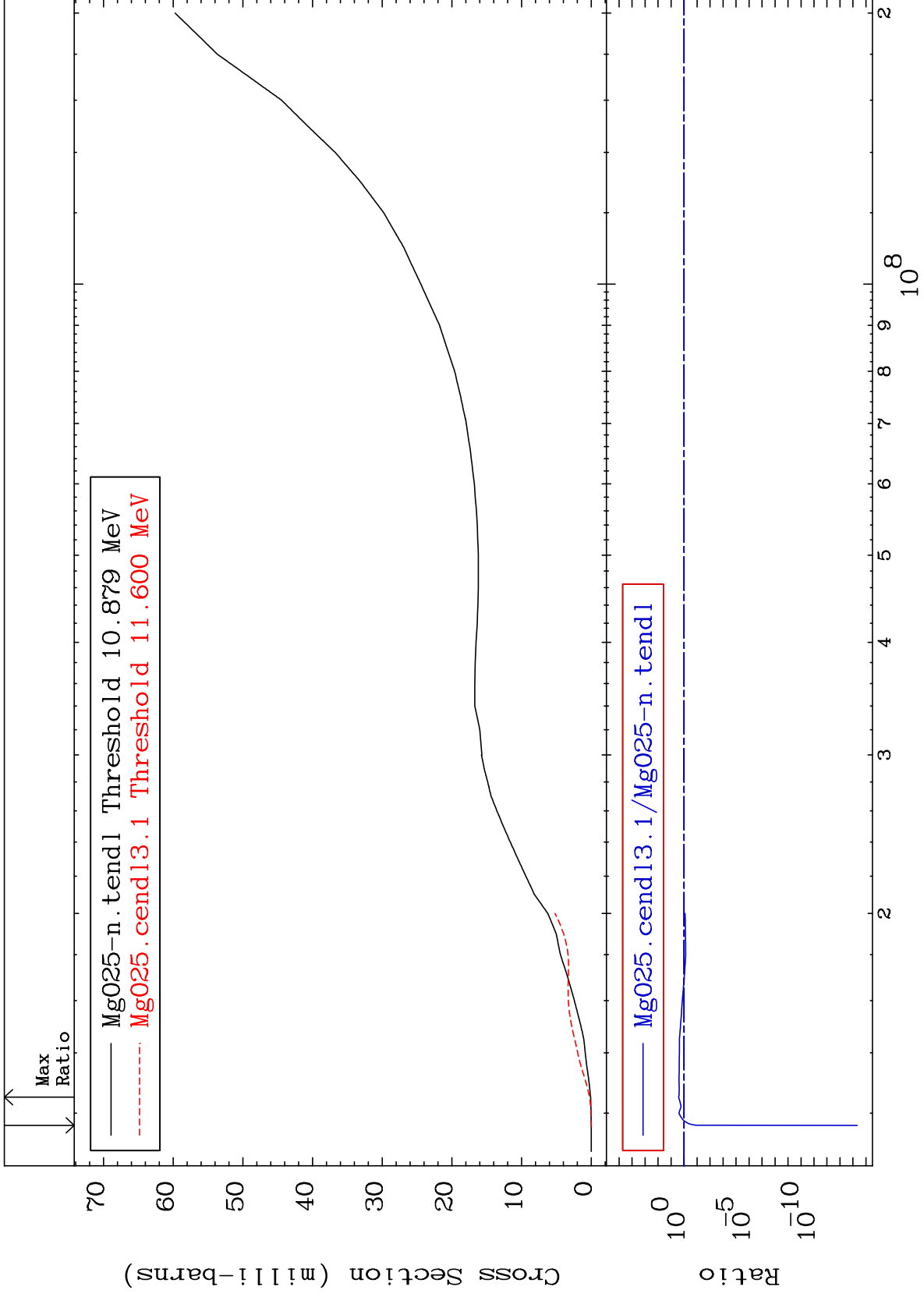
23

12-Mg-25

MAT 1228

Tritium Production
Cross Section

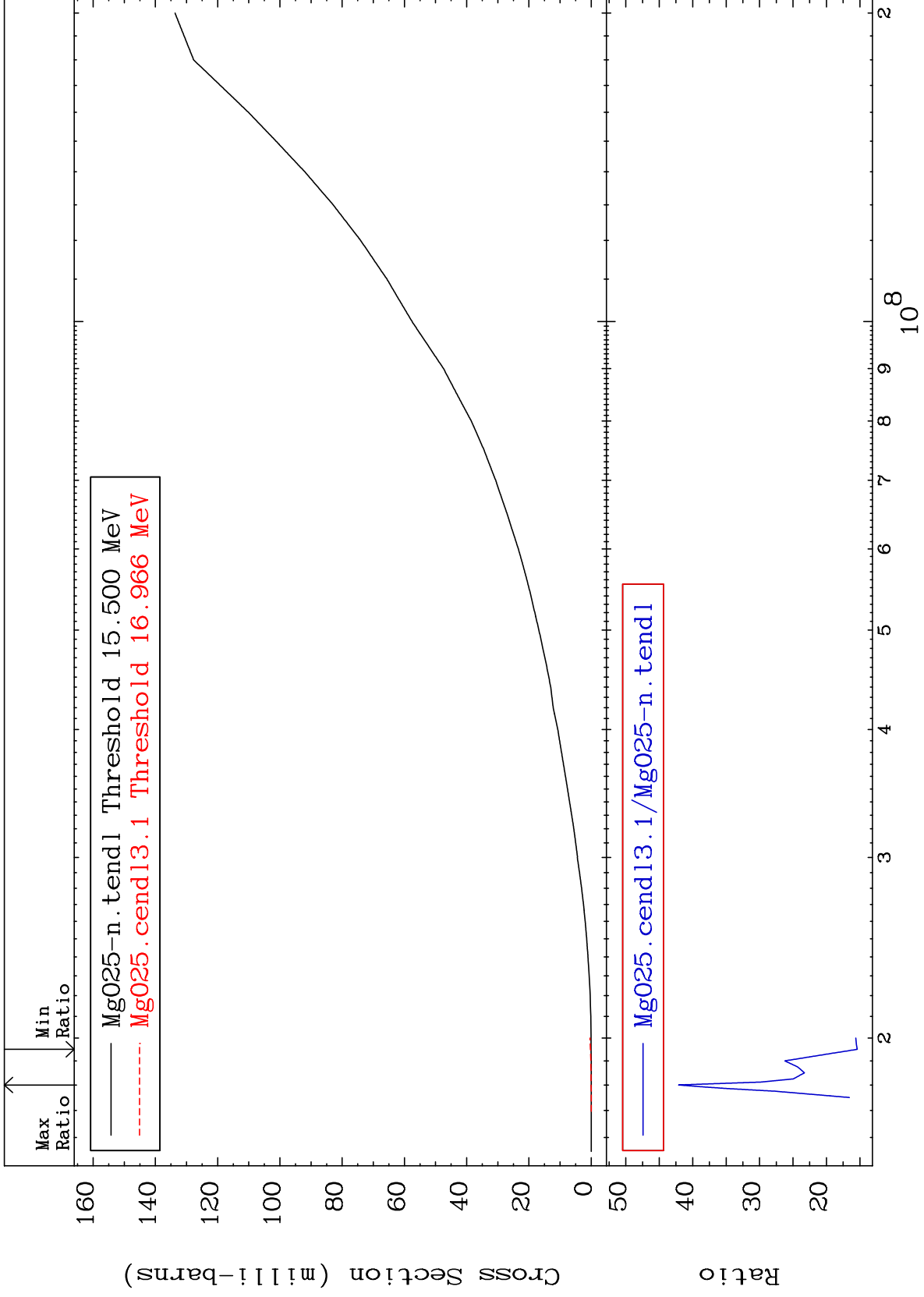
12-Mg-25
-100.0 To 161.0 %



MAT 1228

He-3 Production
Cross Section

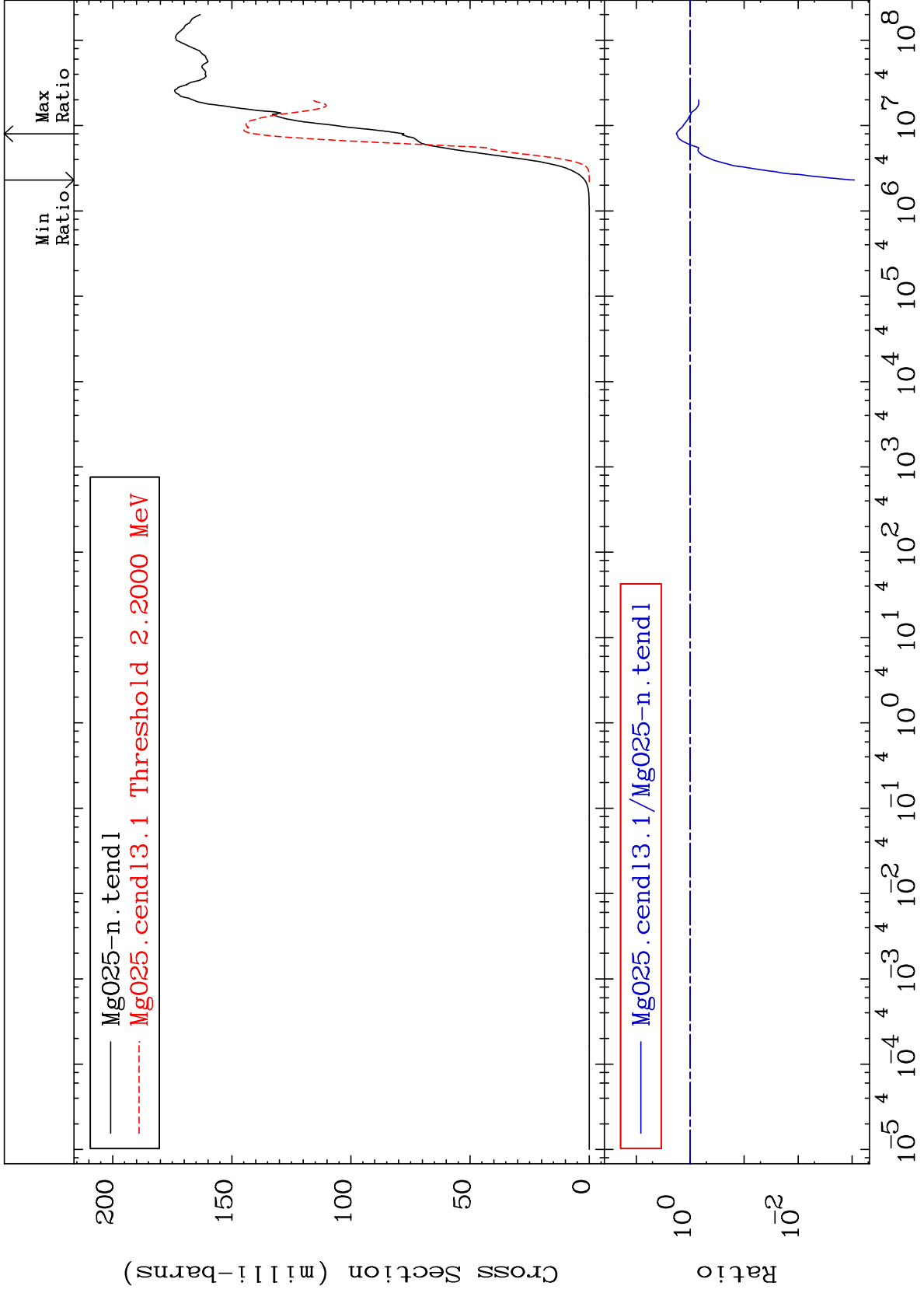
12-Mg-25
1439. To 4110. %



25

Incident Energy (eV)

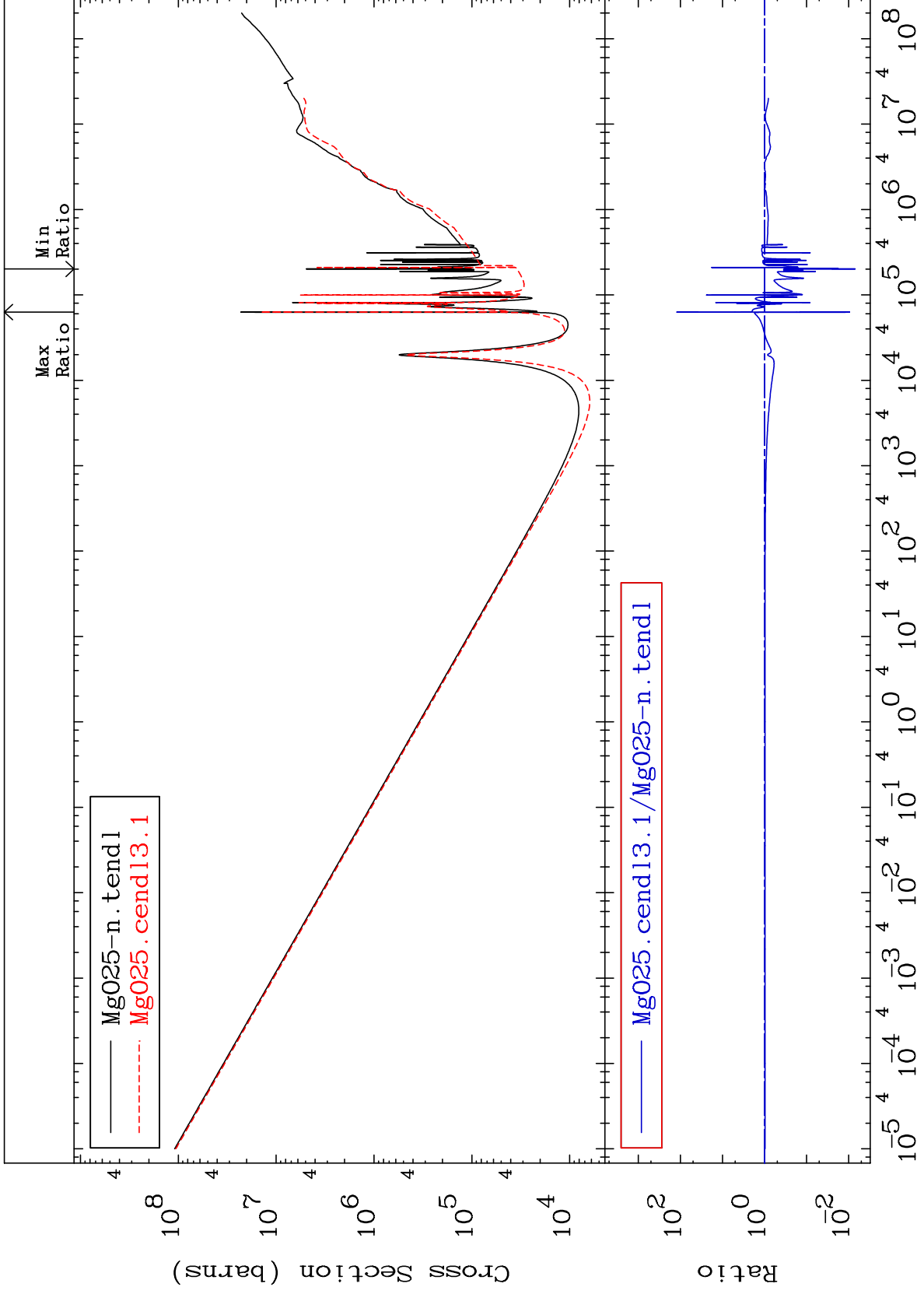
12-Mg-25



MAT 1228

Kerma total (eV-barns)
Cross Section

12-Mg-25
-99.30 To 9999. %



27

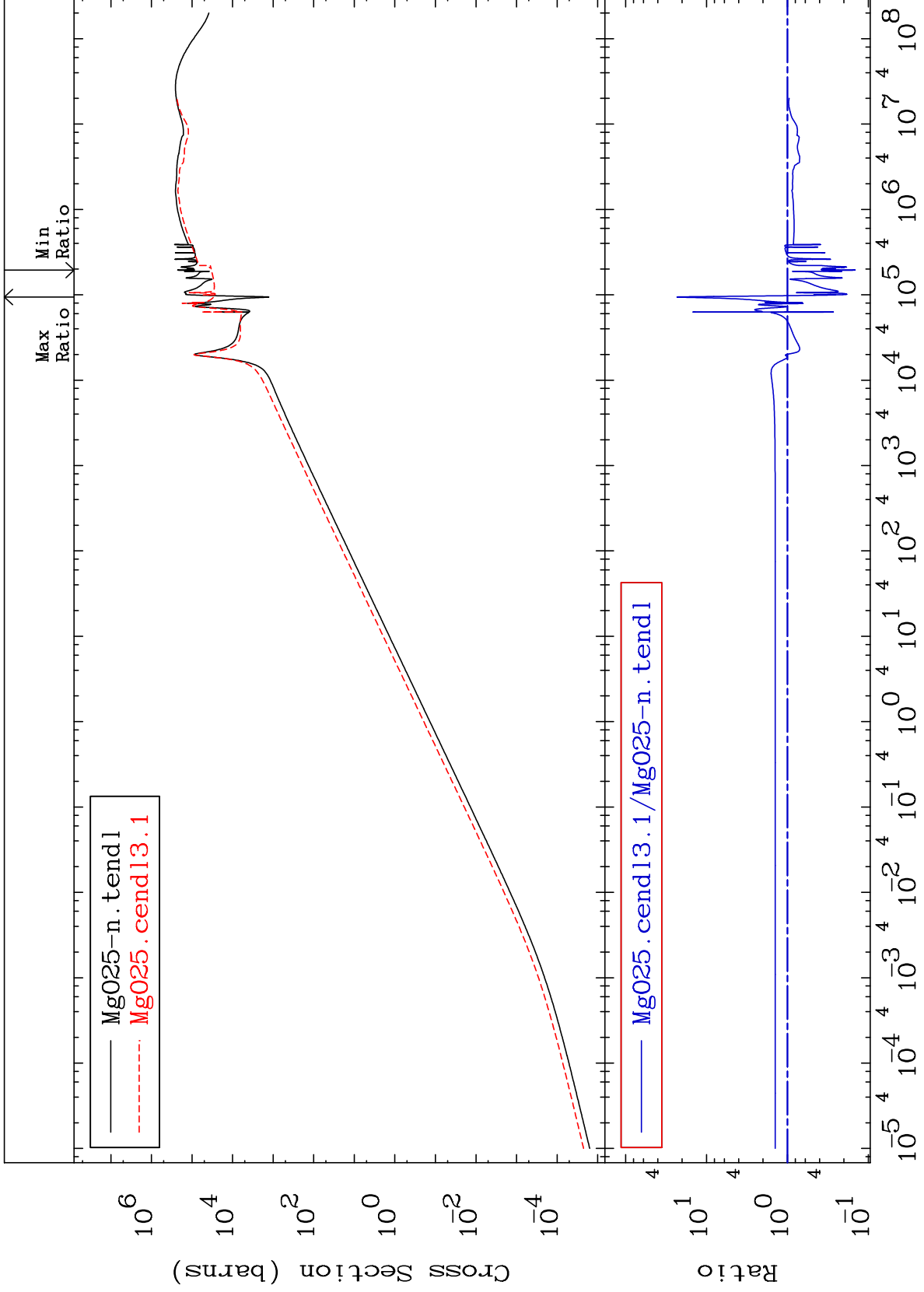
Incident Energy (eV)

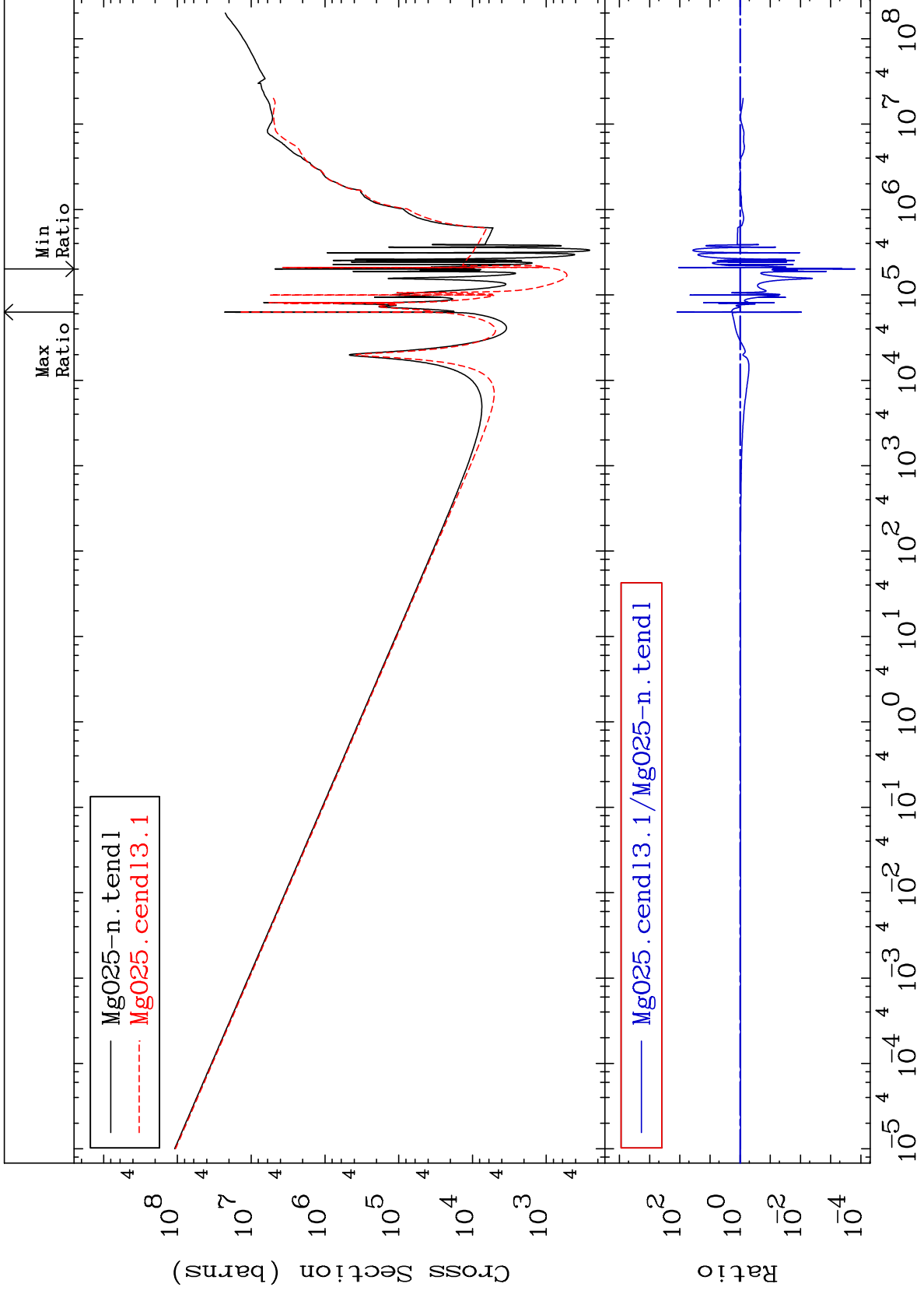
12-Mg-25

MAT 1228

Kerma elastic
Cross Section

12-Mg-25
-85.42 To 2220. %

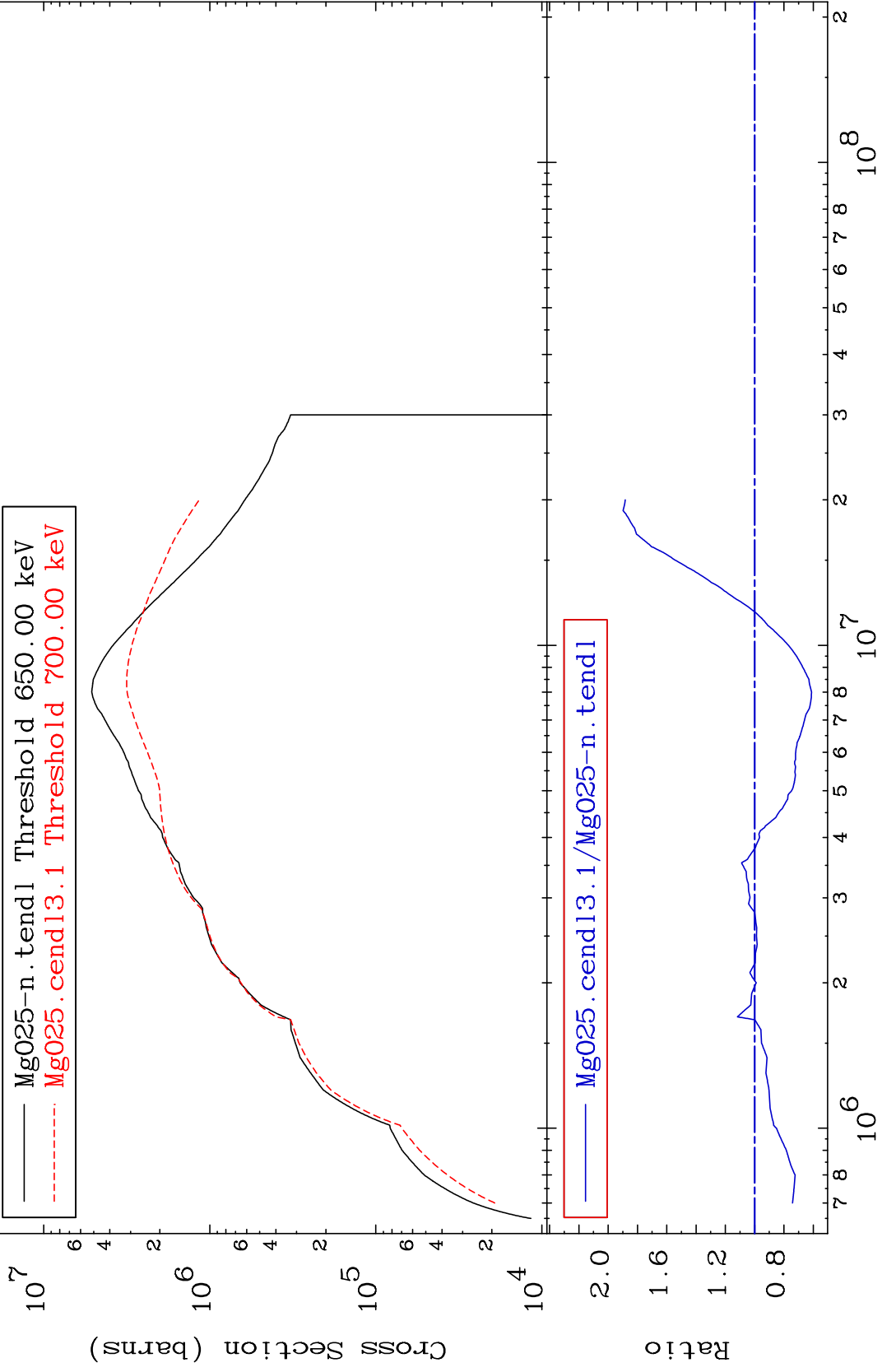




MAT 1228

Kerma inelastic (mt51-91)
Cross Section

12-Mg-25
-38.86 To 89.80 %



30

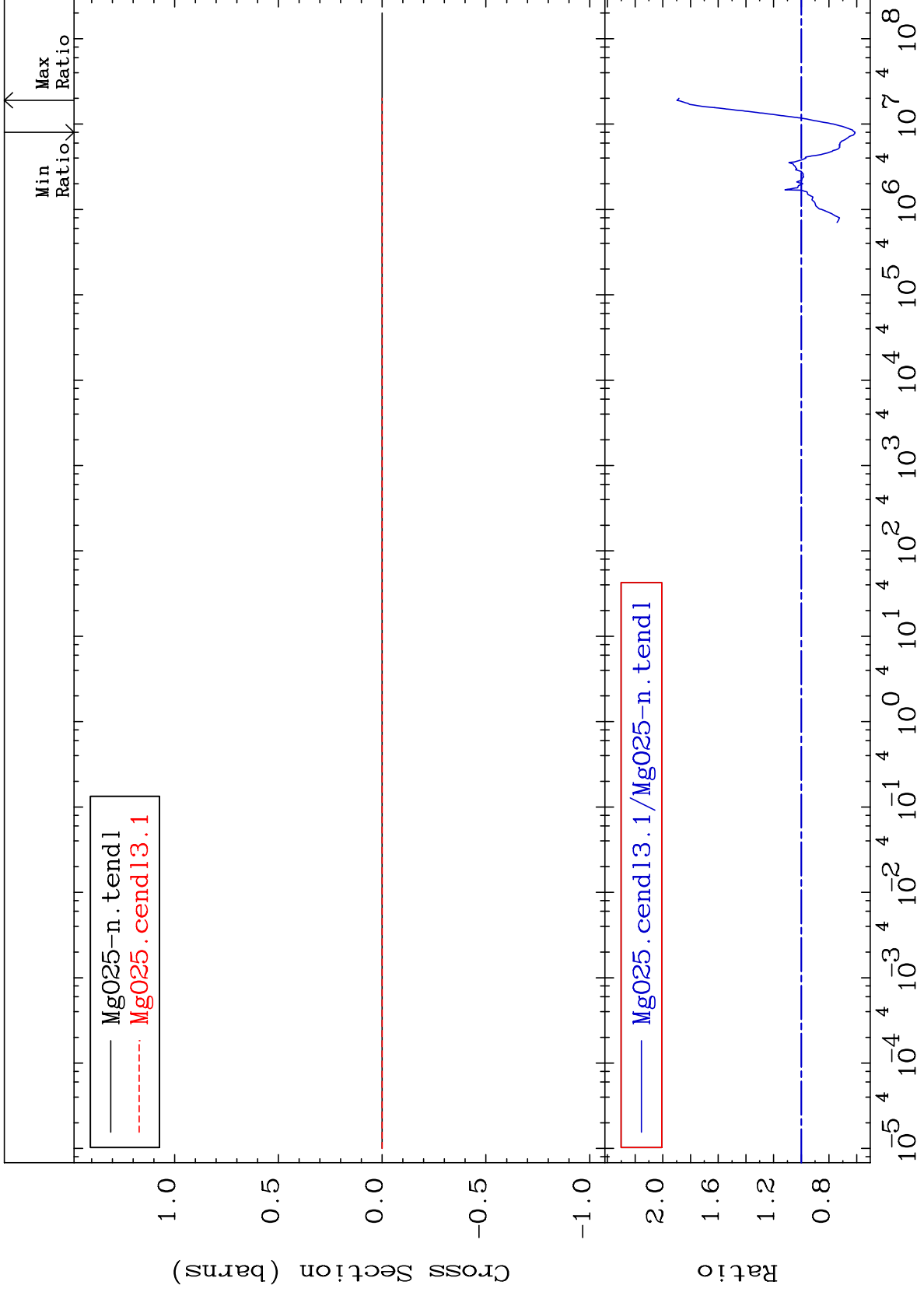
Incident Energy (eV)

12-Mg-25

MAT 1228

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

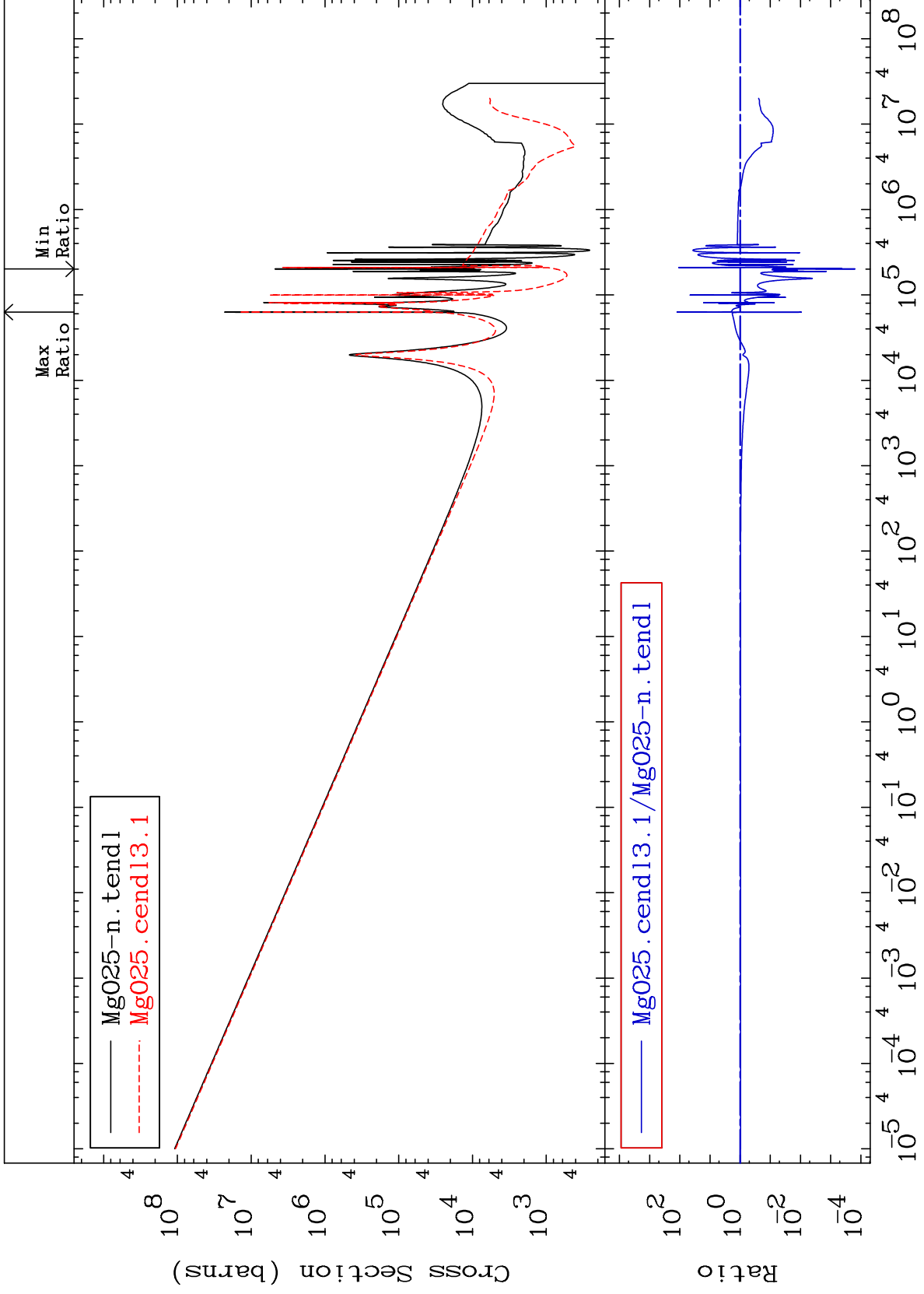
12-Mg-25
-38.86 To 89.80 %



MAT 1228

Kerma capture (mt102)
Cross Section

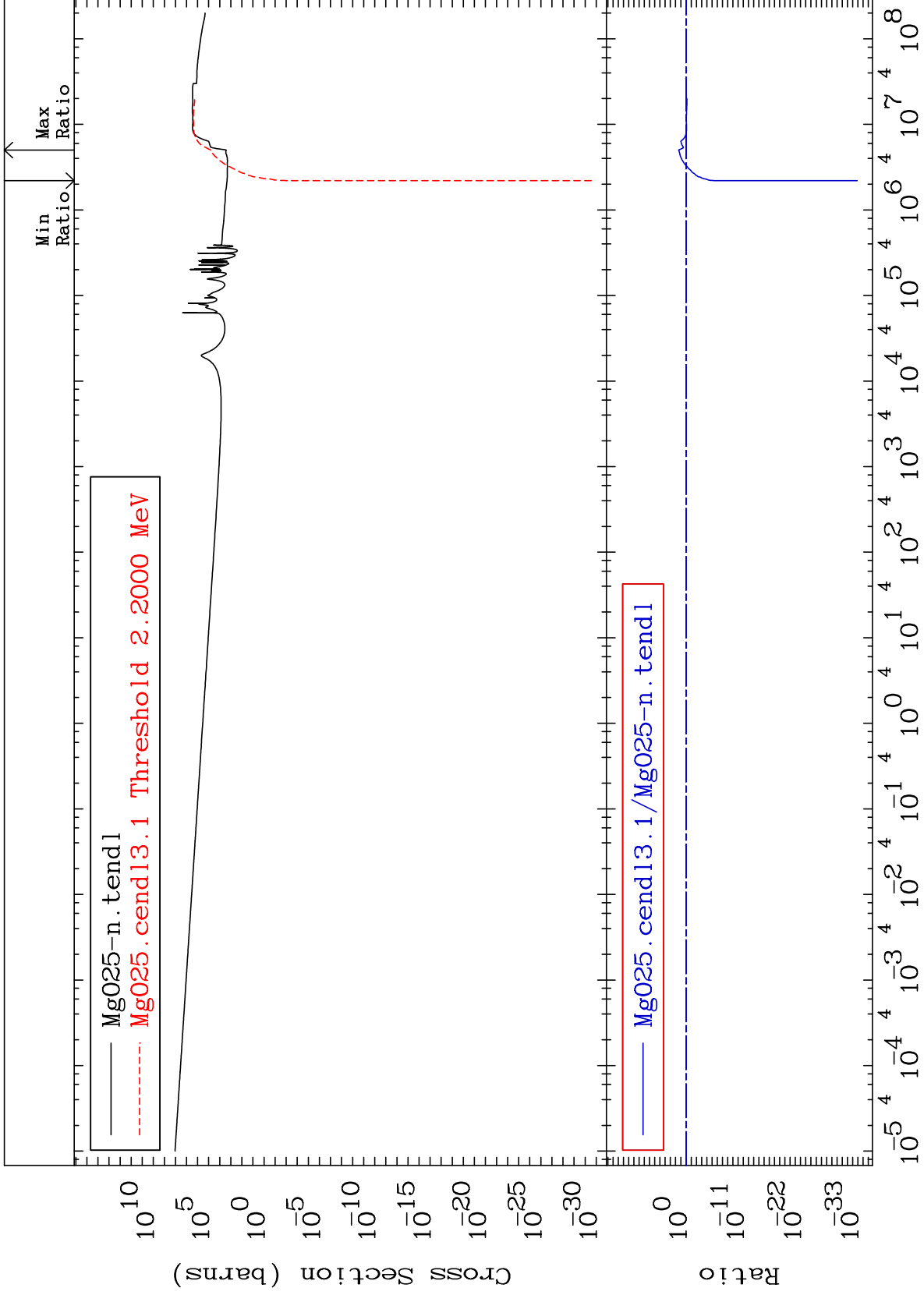
12-Mg-25
-99.98 To 9999. %



MAT 1228

Total photon (eV-barns)
Cross Section

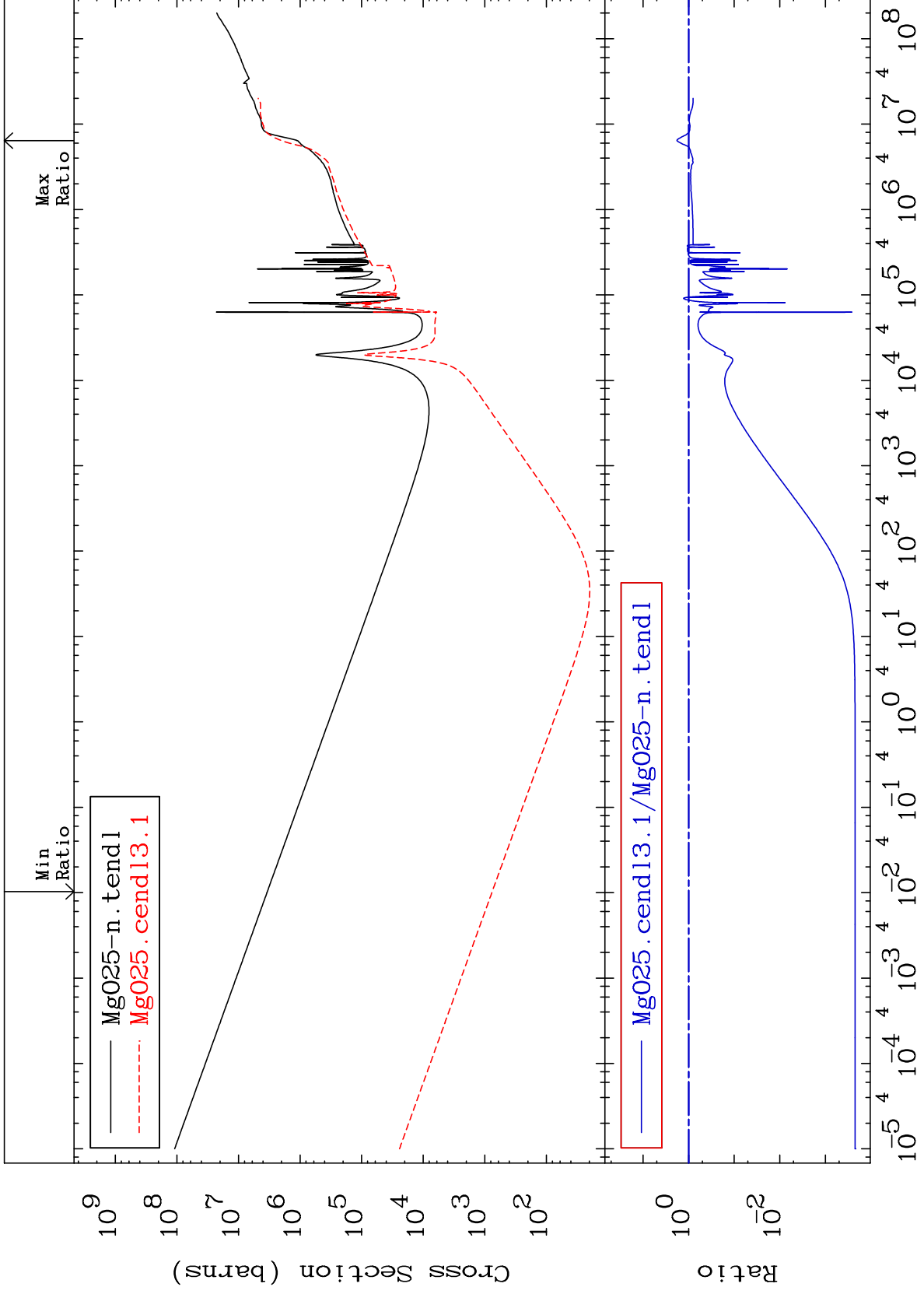
12-Mg-25
-100.0 To 2481. %

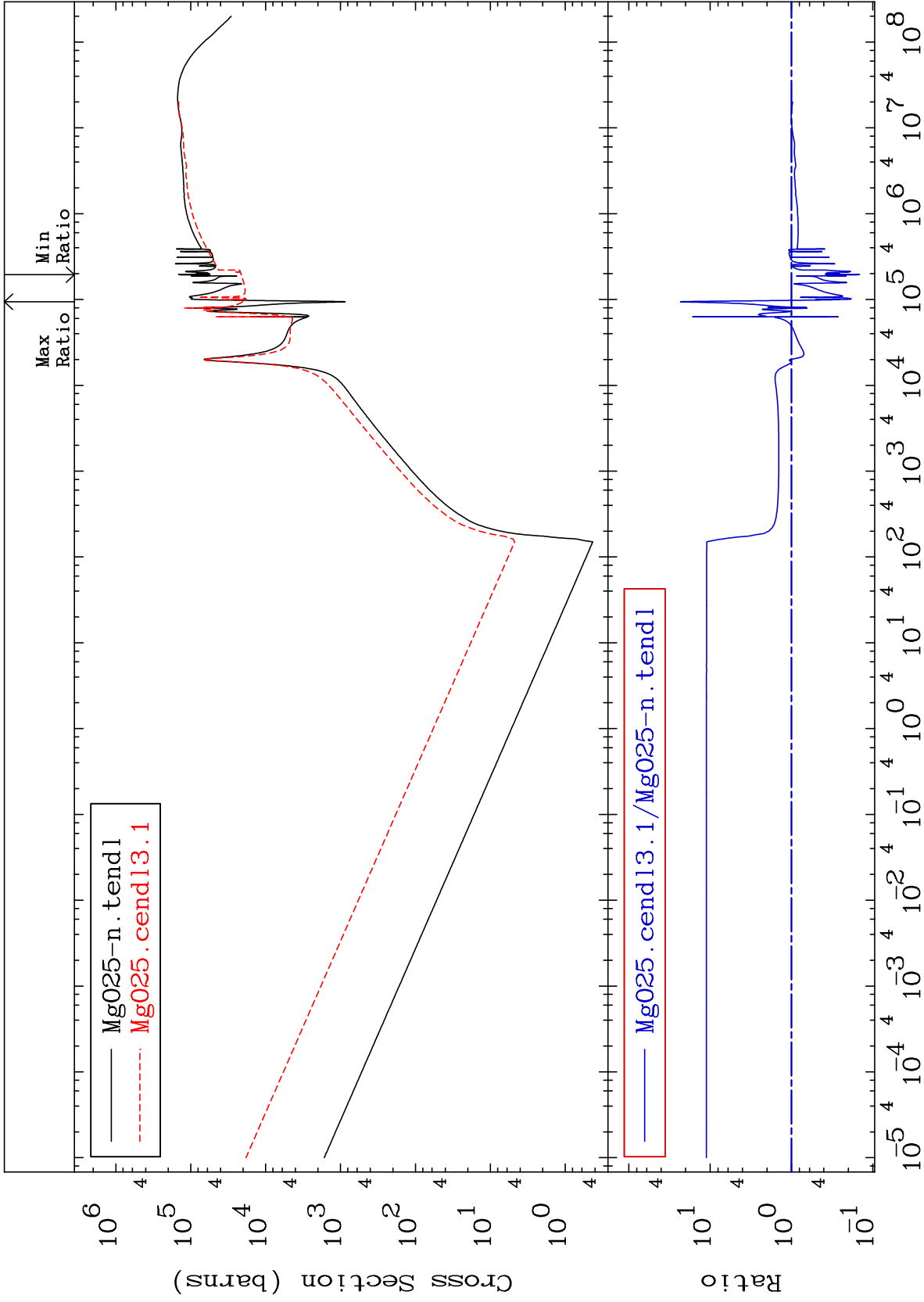


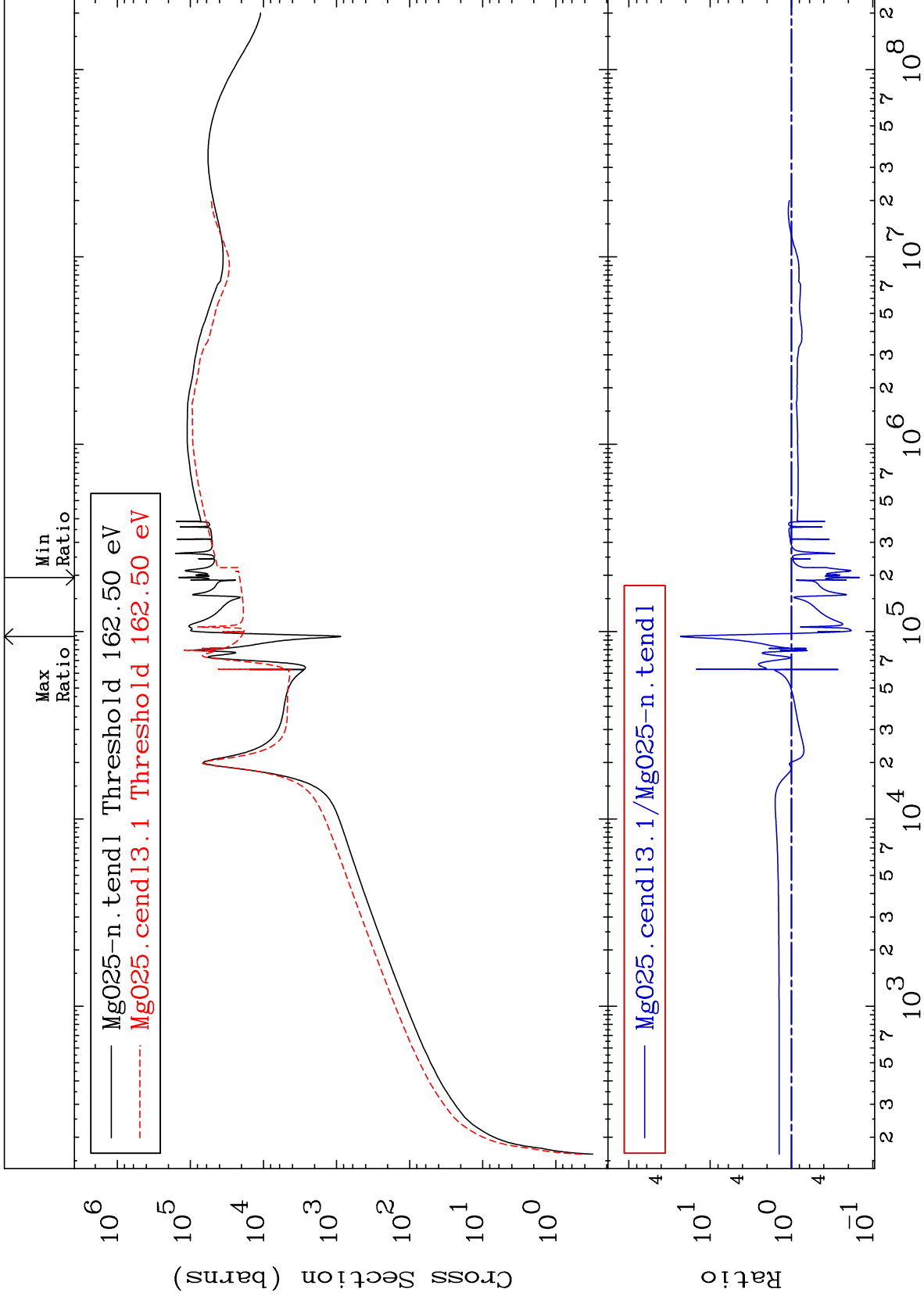
MAT 1228

Total kinematic kerma (high limit)
Cross Section

12-Mg-25
-99.98 To 80.53 %







MAT 1228

Dpa inelastic (mt51-91)
Cross Section

12-Mg-25
-26.10 To 636.8 %

