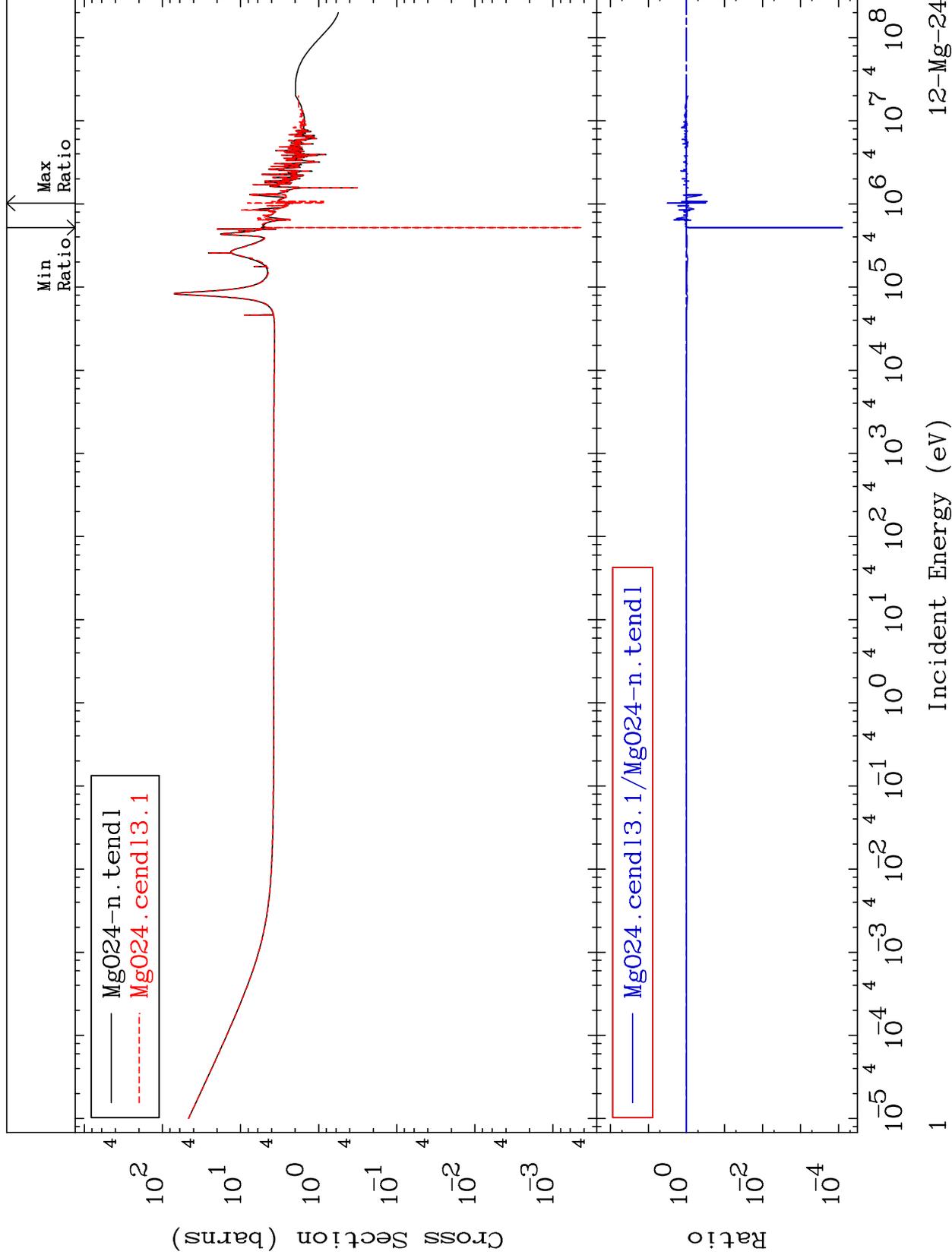


MAT 1225

Total  
Cross Section

12-Mg-24  
-99.99 To 216.2 %



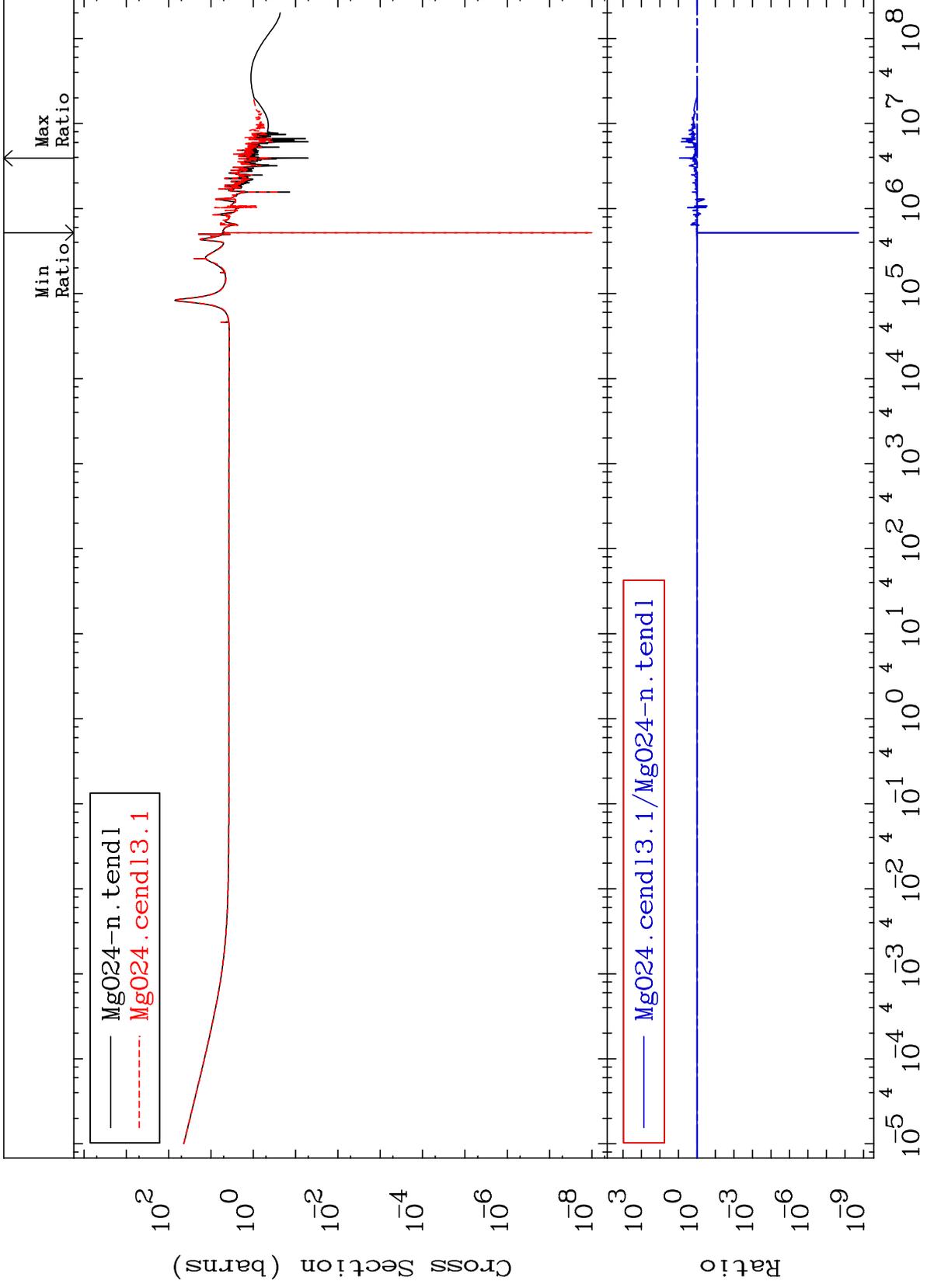
12-Mg-24

Incident Energy (eV)

MAT 1225

Elastic  
Cross Section

12-Mg-24  
-100.0 To 770.7 %



Incident Energy (eV)

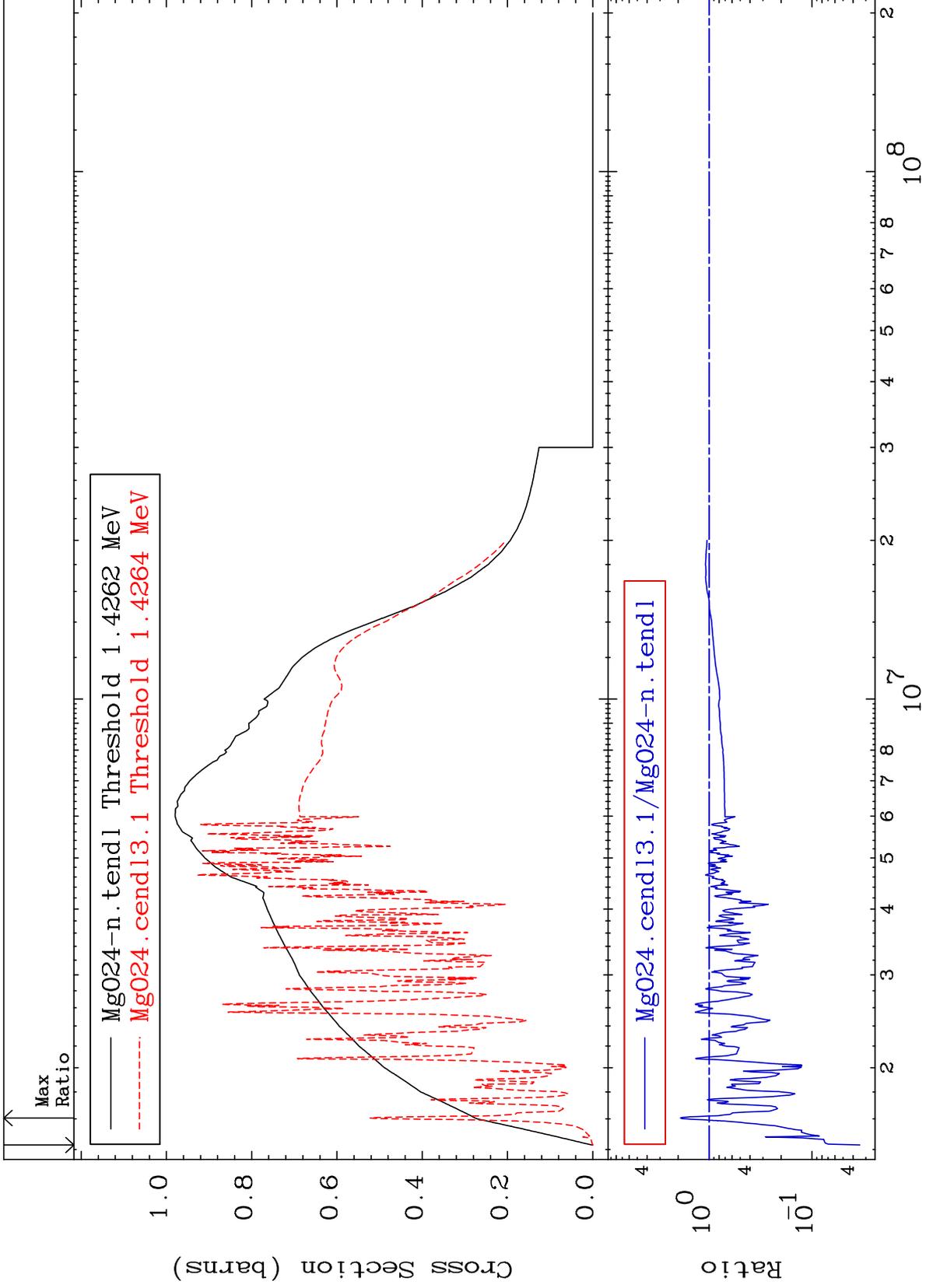
12-Mg-24

2

MAT 1225

Inelastic  
Cross Section

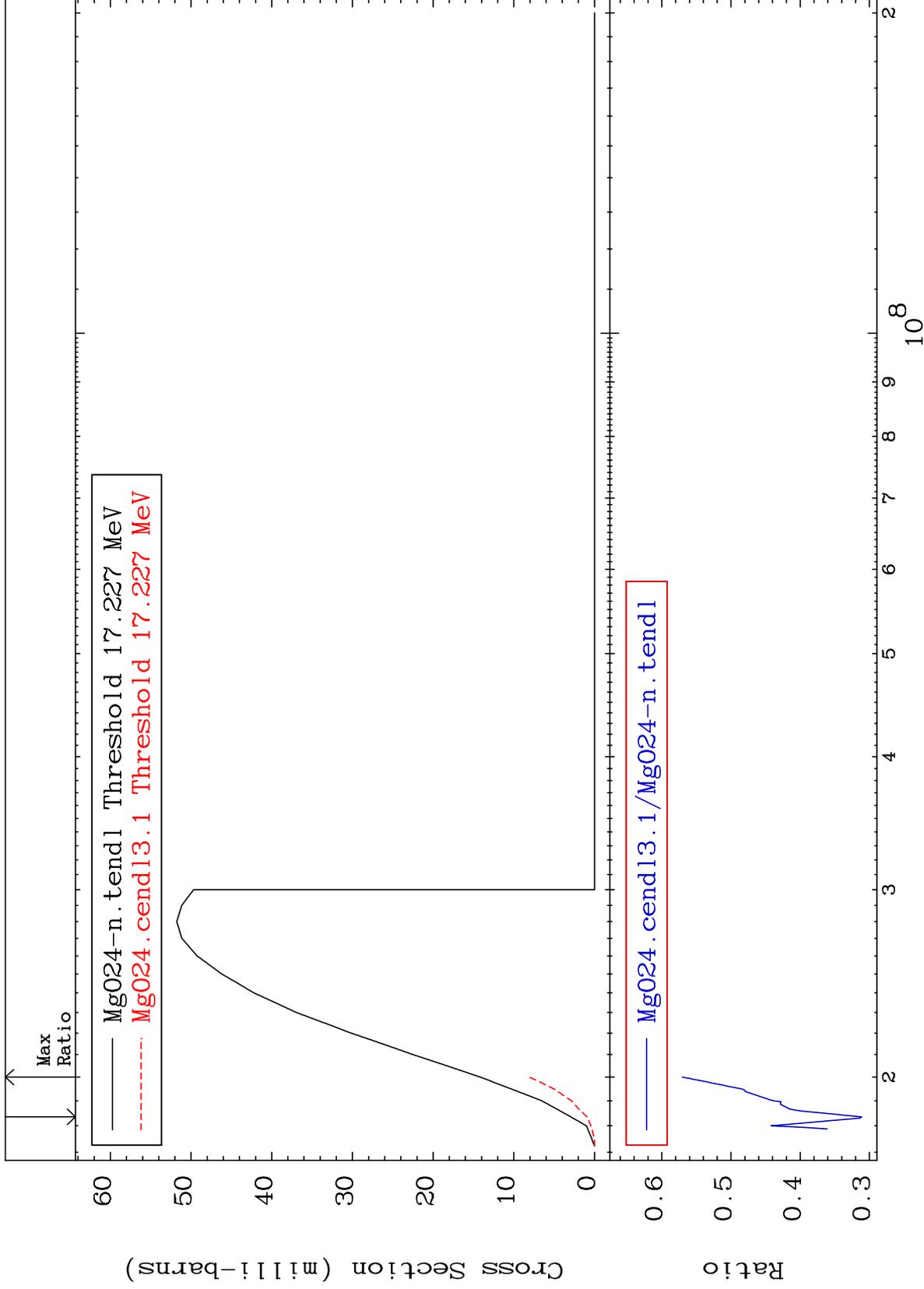
12-Mg-24  
-96.56 To 89.70 %



MAT 1225

(n,2n)  
Cross Section

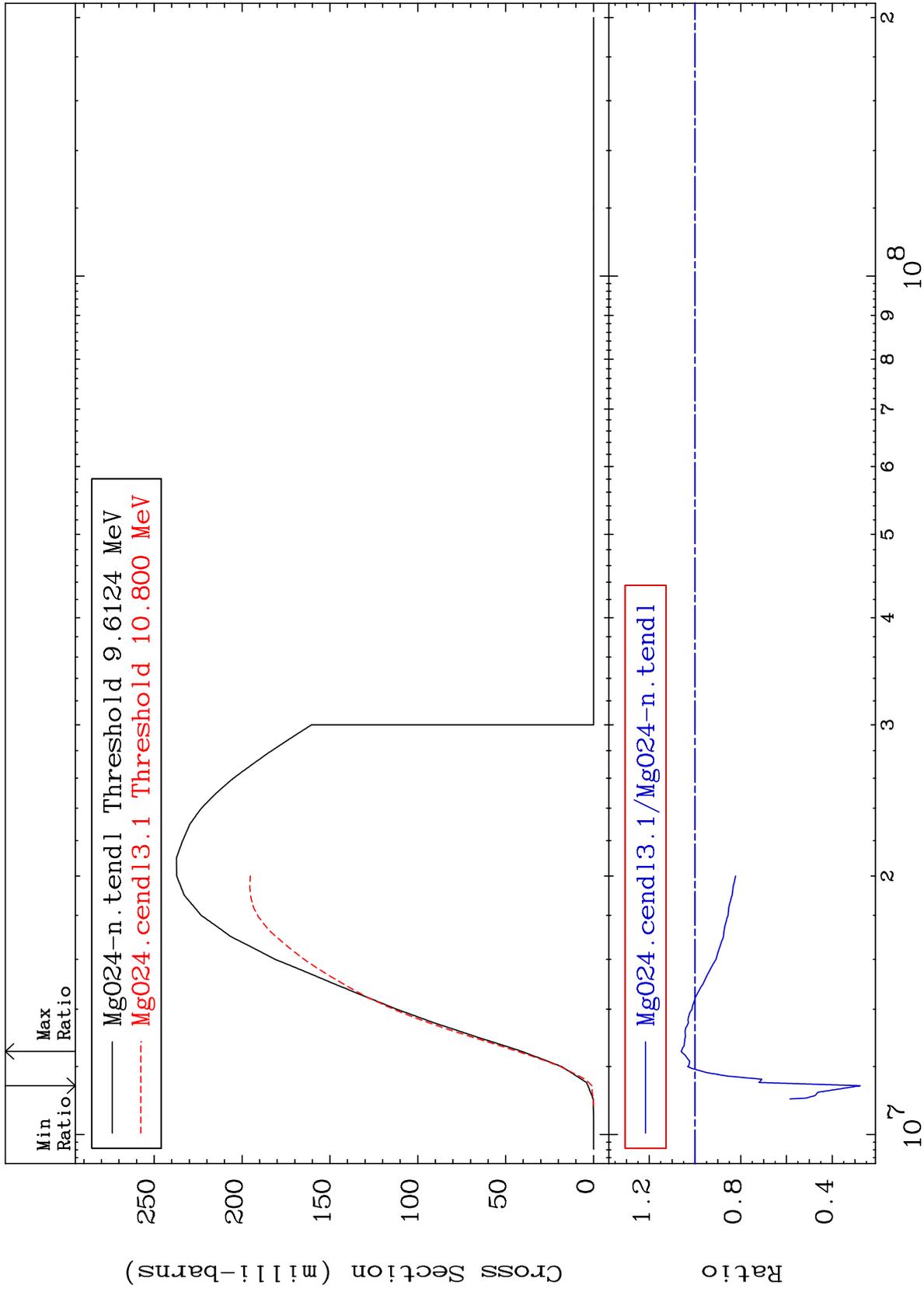
12-Mg-24  
-68.87 To -42.97%



MAT 1225

(n, n')  $\alpha$   
Cross Section

12-Mg-24  
-72.25 To 6.070 %

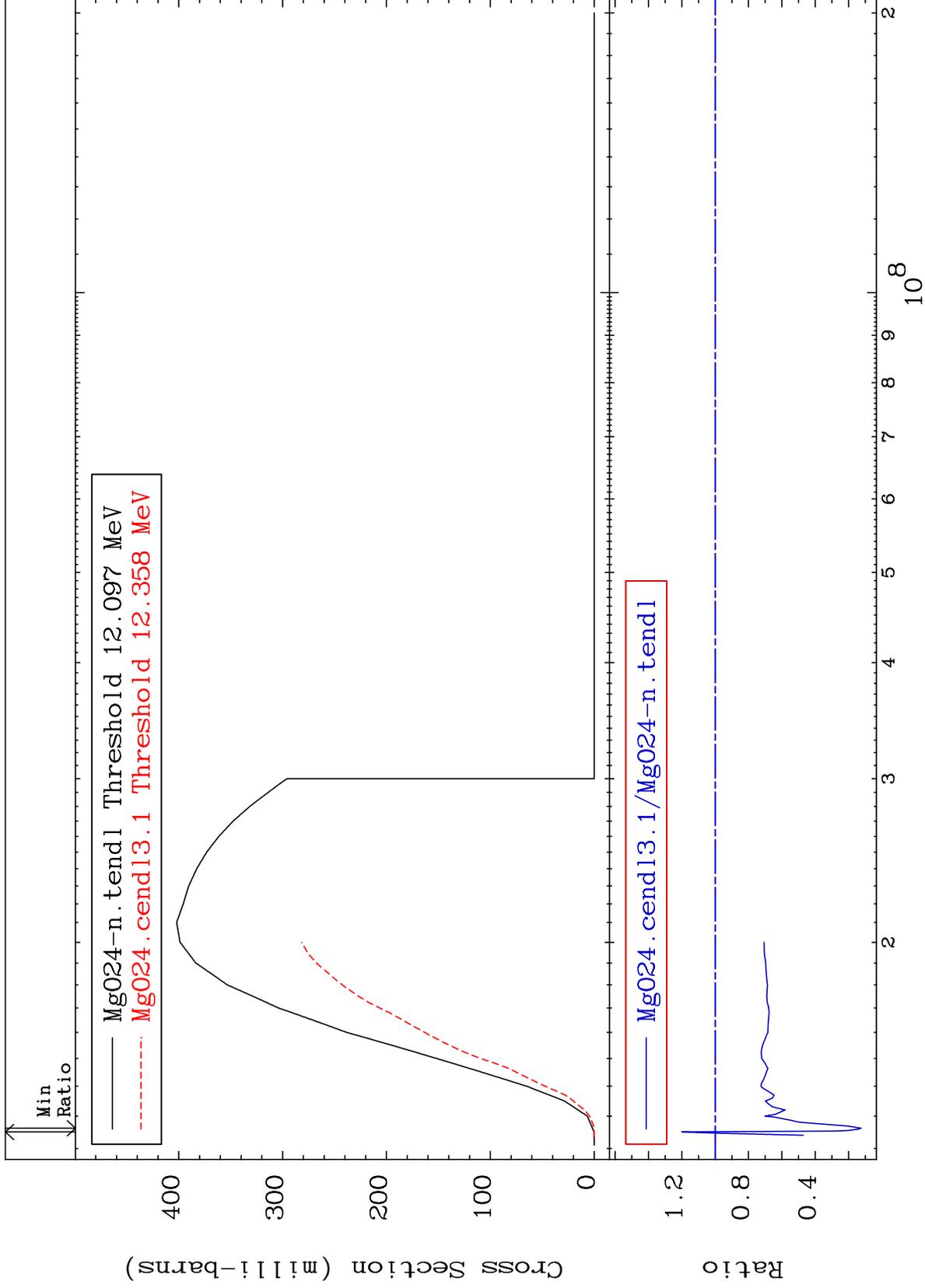


12-Mg-24

MAT 1225

(n, n') p  
Cross Section

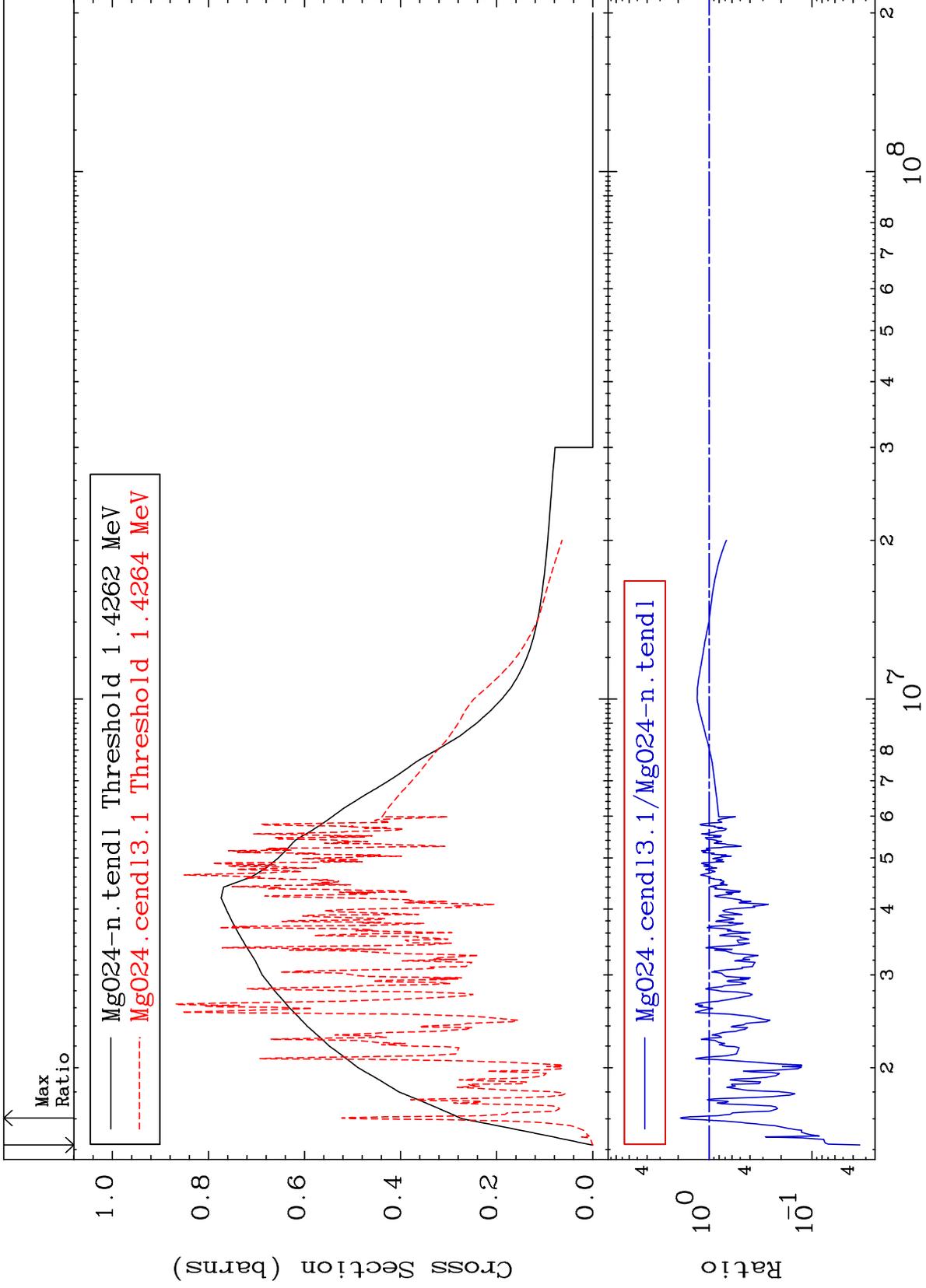
12-Mg-24  
-87.51 To 19.94 %



MAT 1225

1.369 MeV (n,n') Level  
Cross Section

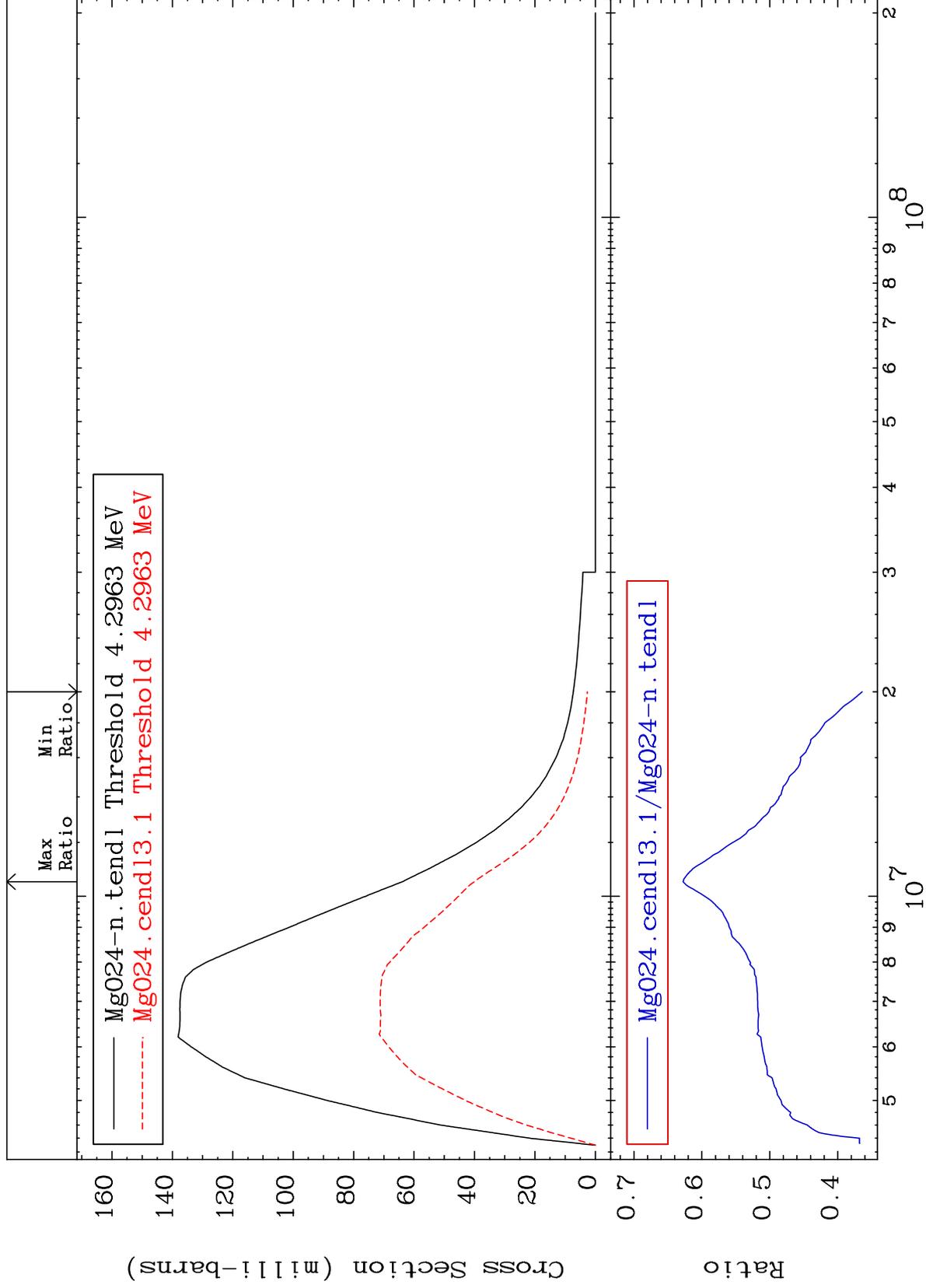
12-Mg-24  
-96.56 To 89.70 %



MAT 1225

4.123 MeV (n,n') Level  
Cross Section

12-Mg-24  
-63.59 To -37.23%



8

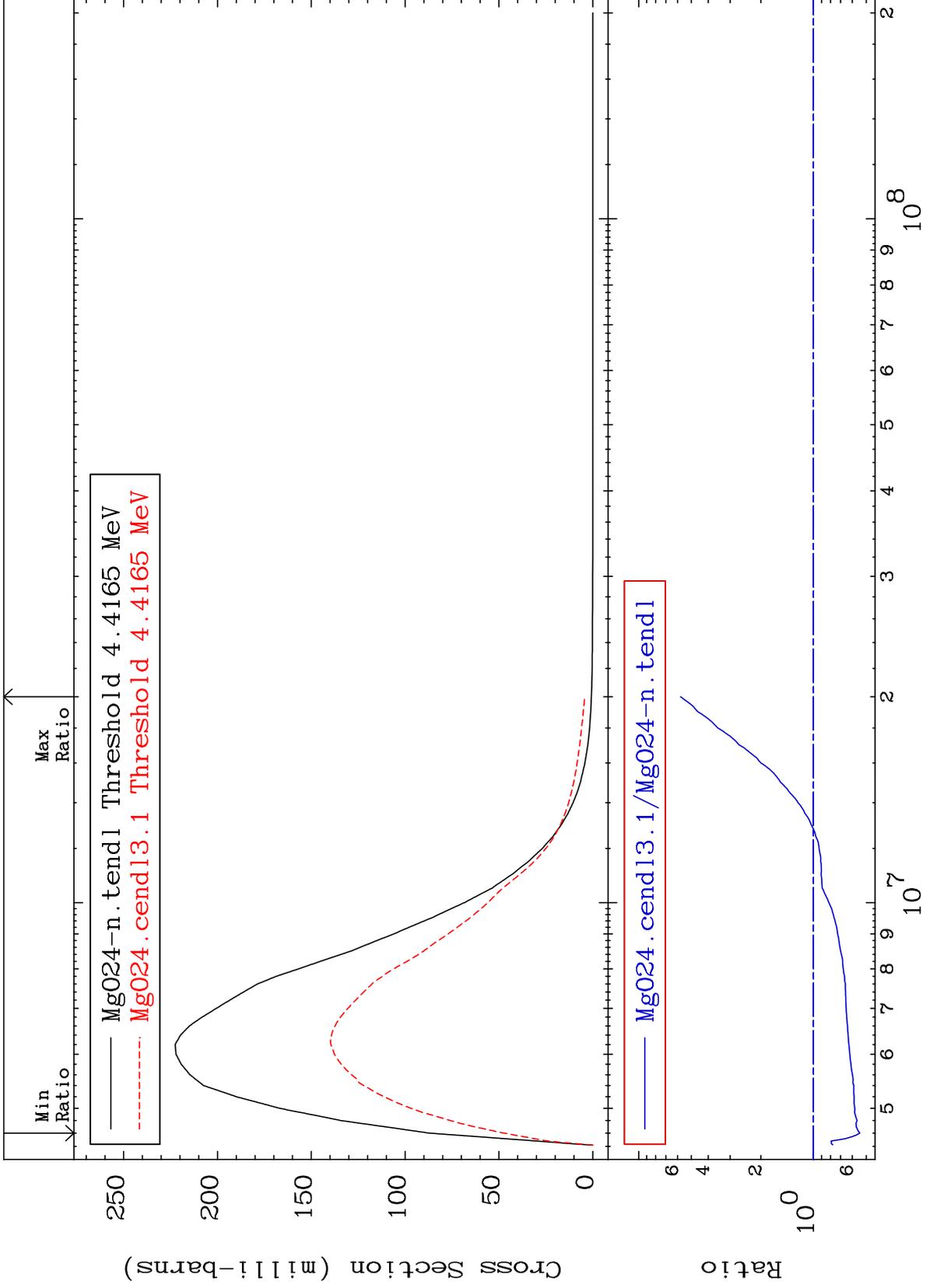
Incident Energy (eV)

12-Mg-24

MAT 1225

4.238 MeV (n,n') Level  
Cross Section

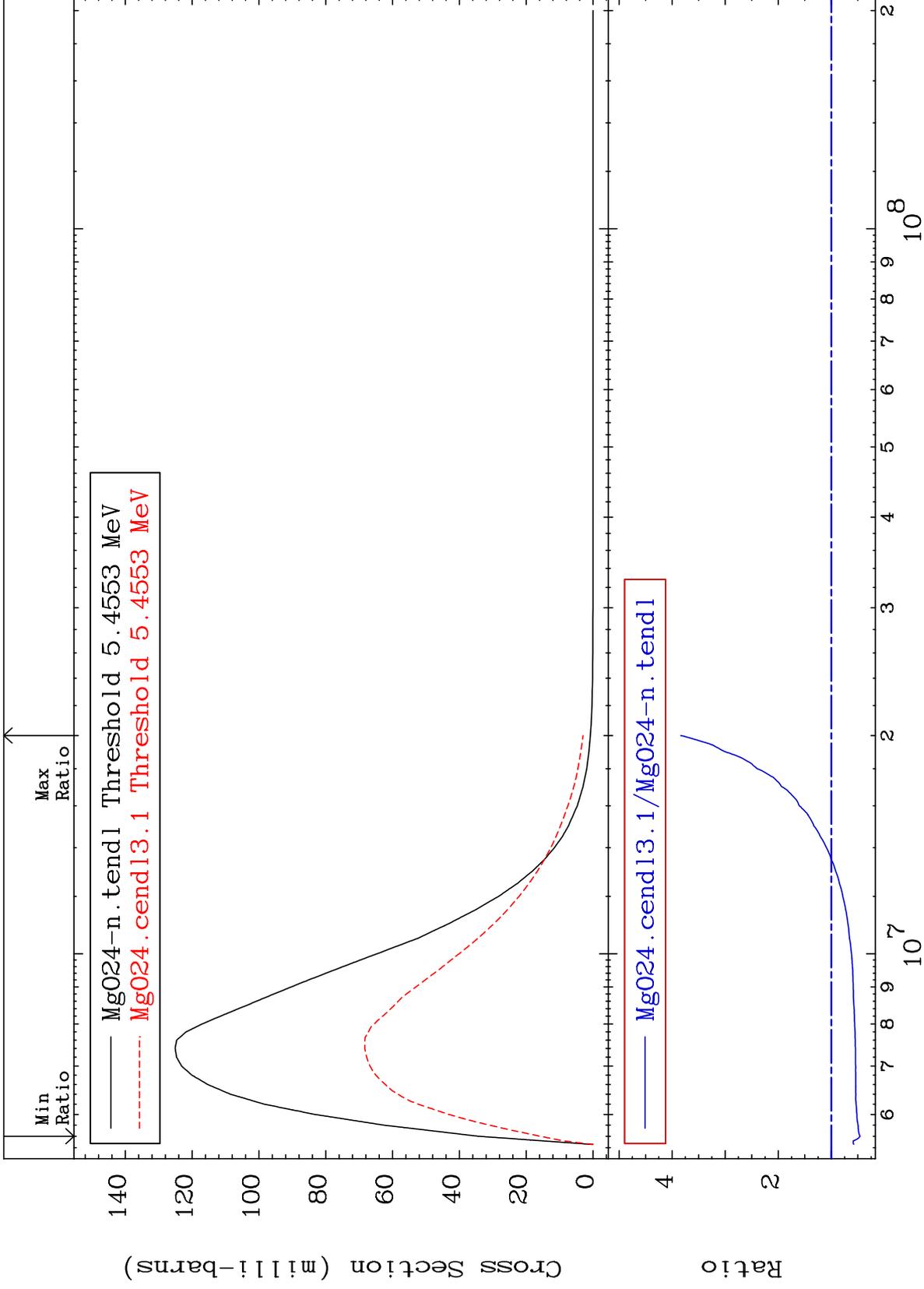
12-Mg-24  
-45.62 To 476.5 %



MAT 1225

5.235 MeV (n,n') Level  
Cross Section

12-Mg-24  
-54.23 To 283.7 %



10

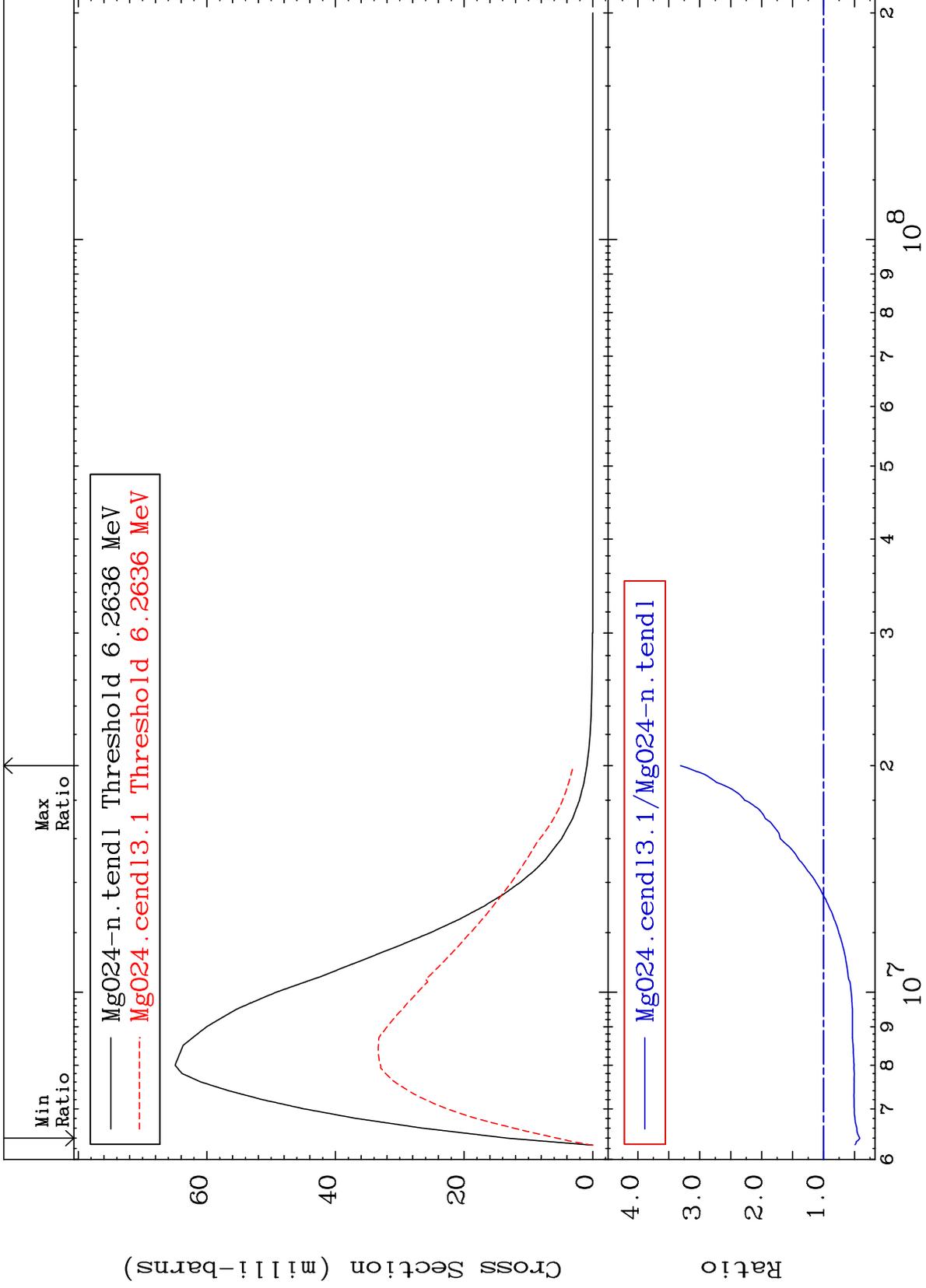
Incident Energy (eV)

12-Mg-24

MAT 1225

6.011 MeV (n,n') Level  
Cross Section

12-Mg-24  
-58.43 To 231.1 %



11

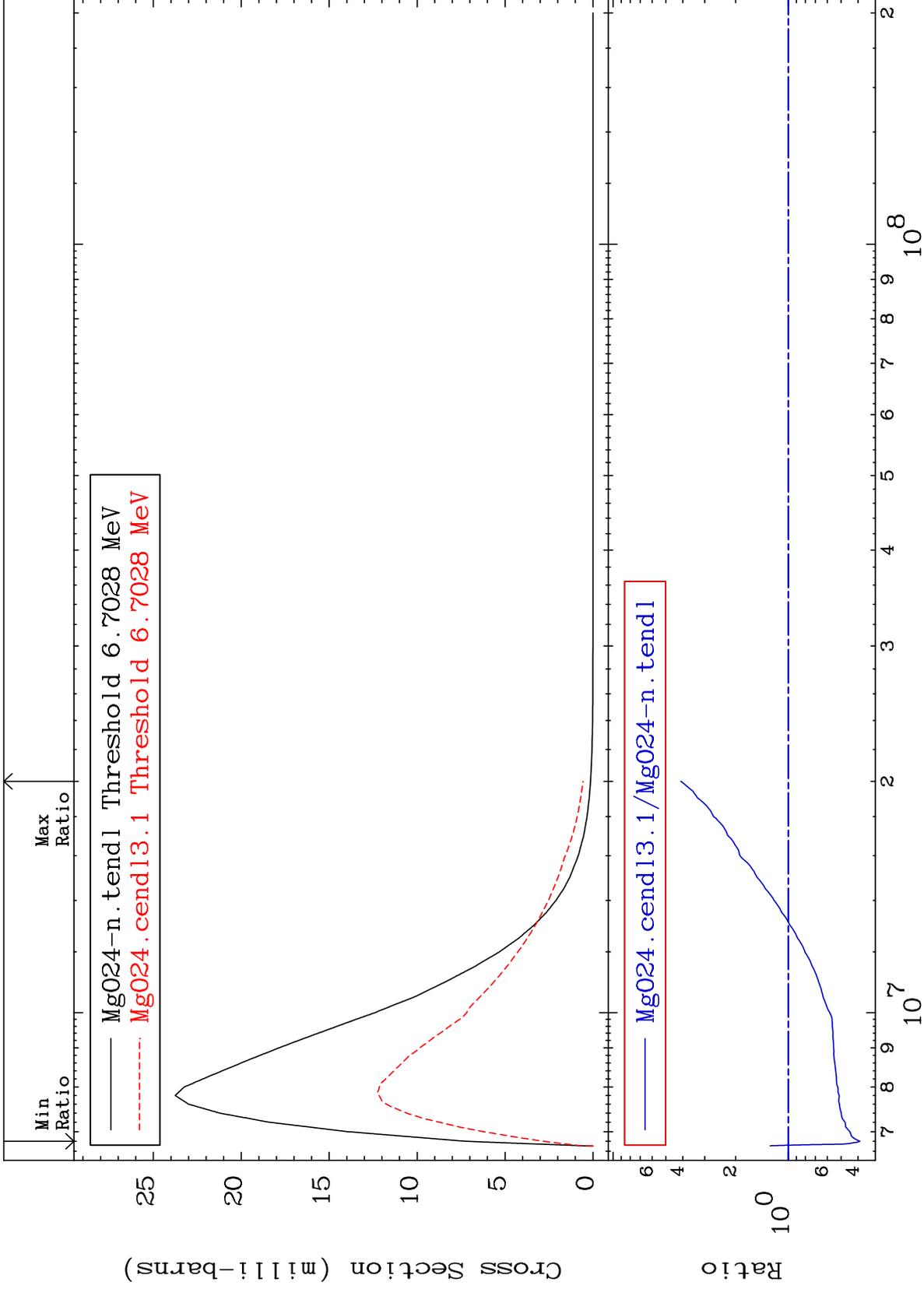
Incident Energy (eV)

12-Mg-24

MAT 1225

6.432 MeV (n,n') Level  
Cross Section

12-Mg-24  
-61.05 To 311.2 %



12

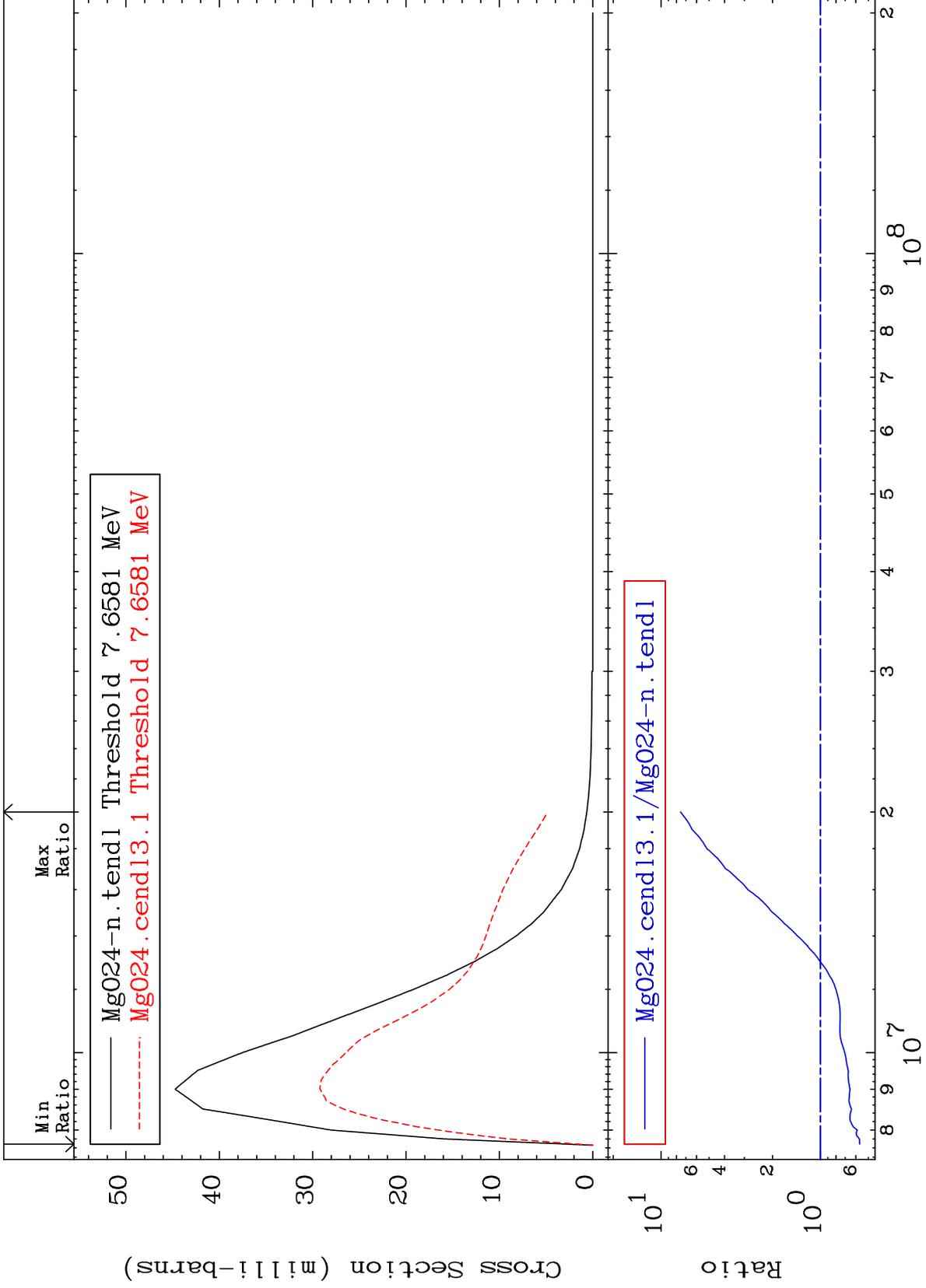
Incident Energy (eV)

12-Mg-24

MAT 1225

7.349 MeV (n,n') Level  
Cross Section

12-Mg-24  
-43.34 To 655.7 %



13

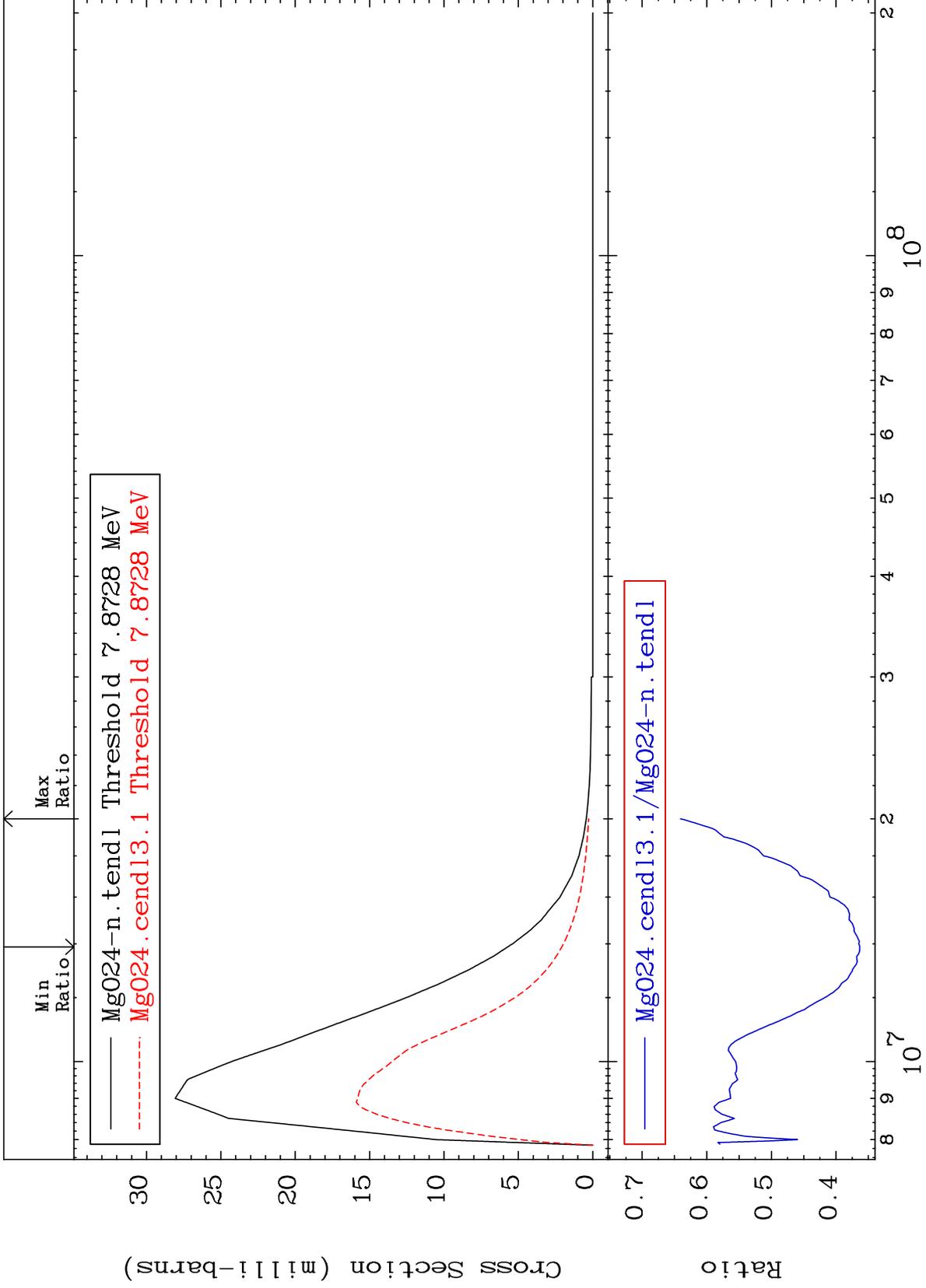
Incident Energy (eV)

12-Mg-24

MAT 1225

7.555 MeV (n,n') Level  
Cross Section

12-Mg-24  
-63.67 To -35.94%



14

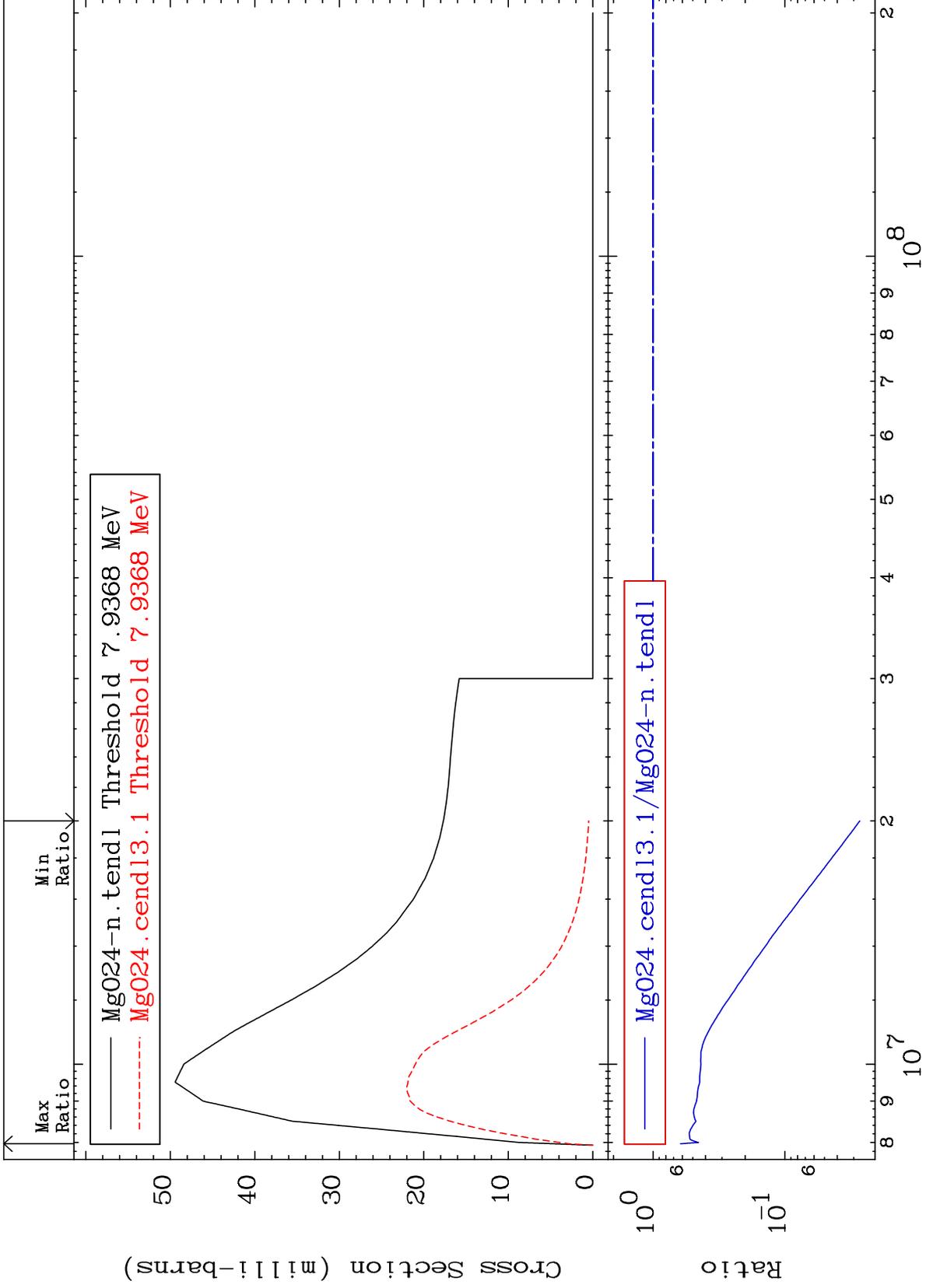
Incident Energy (eV)

12-Mg-24

MAT 1225

7.616 MeV (n,n') Level  
Cross Section

12-Mg-24  
-97.30 To -38.04%



15

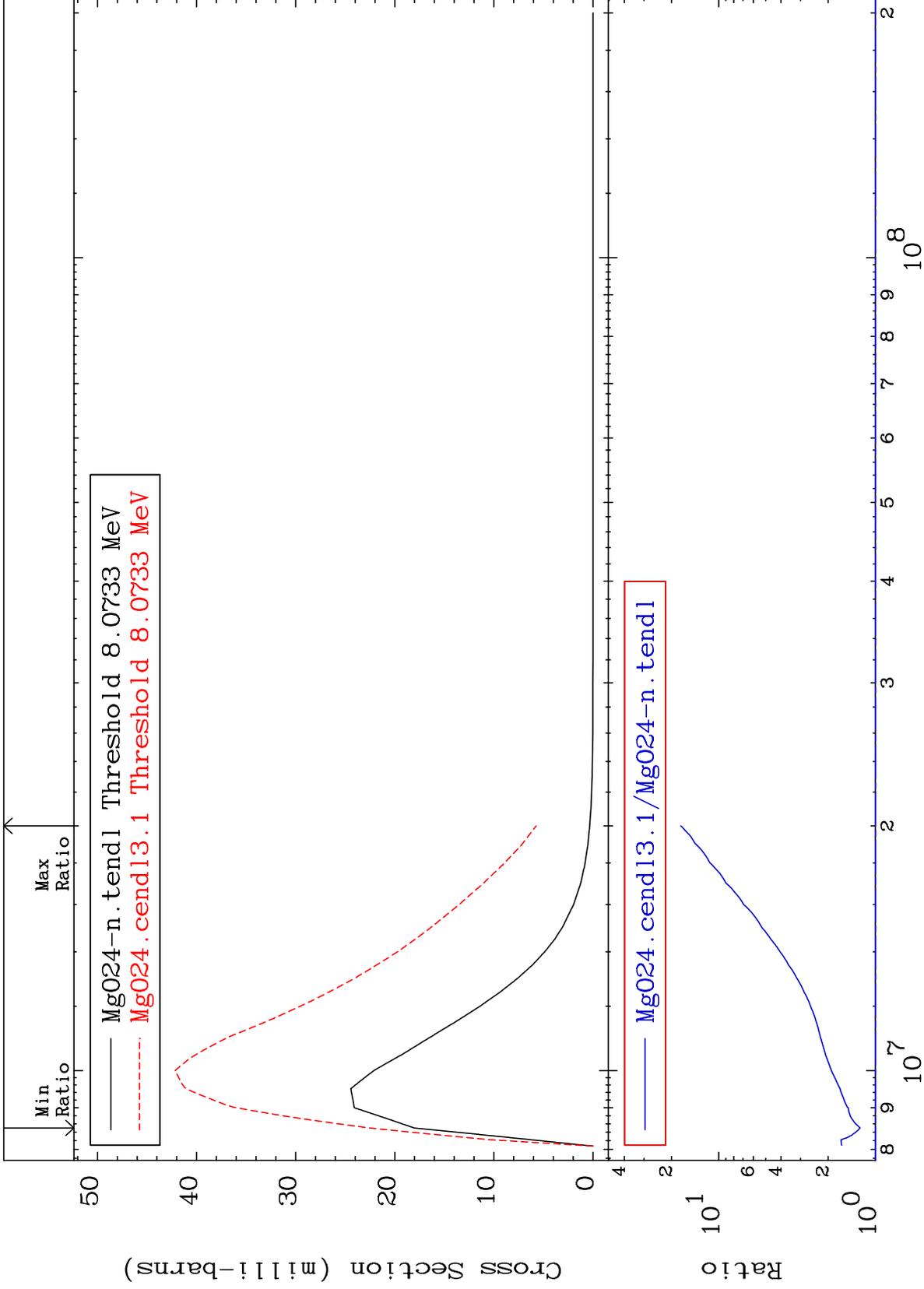
Incident Energy (eV)

12-Mg-24

MAT 1225

7.748 MeV (n,n') Level  
Cross Section

12-Mg-24  
25.06 To 1645. %



16

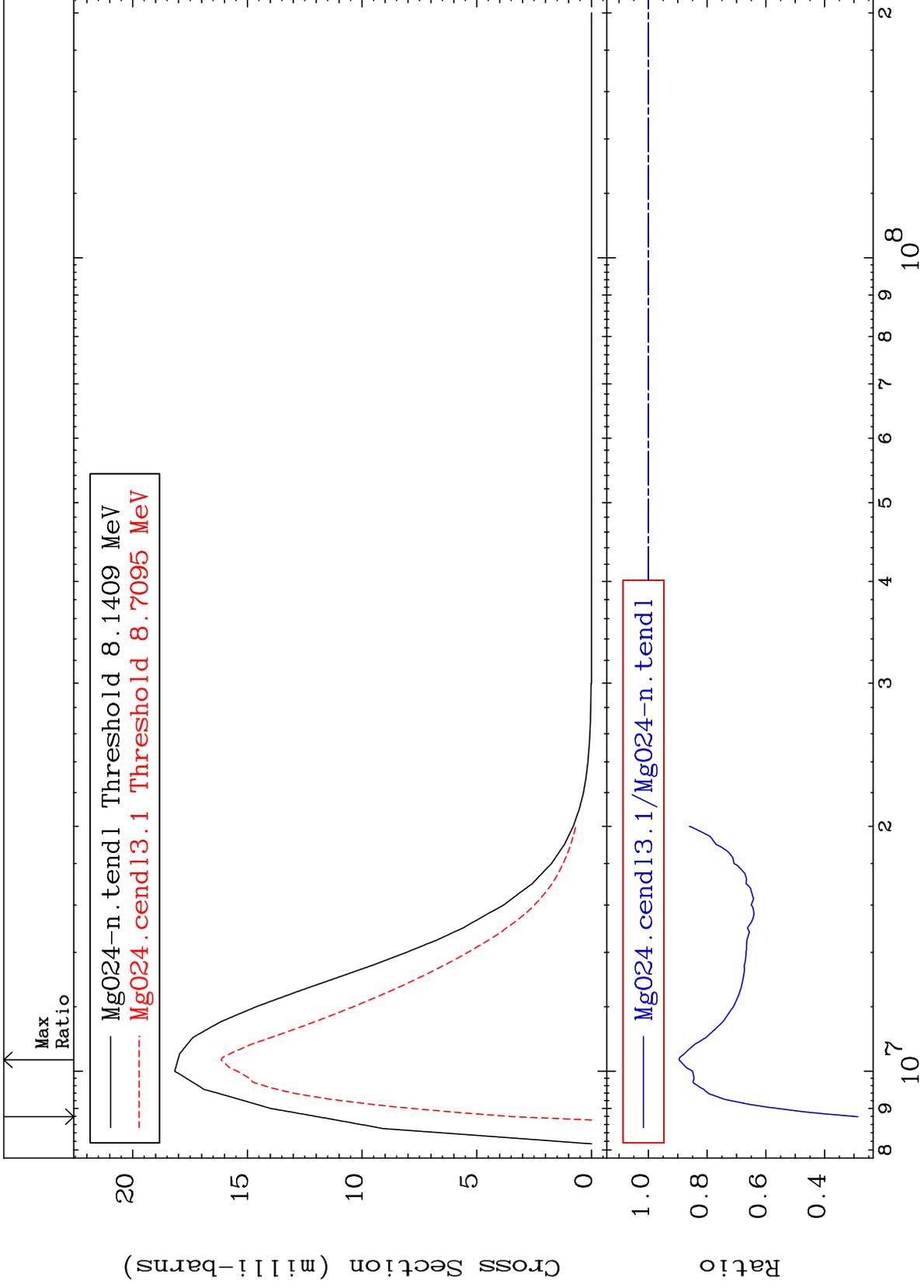
Incident Energy (eV)

12-Mg-24

MAT 1225

7.812 MeV (n,n') Level  
Cross Section

12-Mg-24  
-71.35 To -10.44%



17

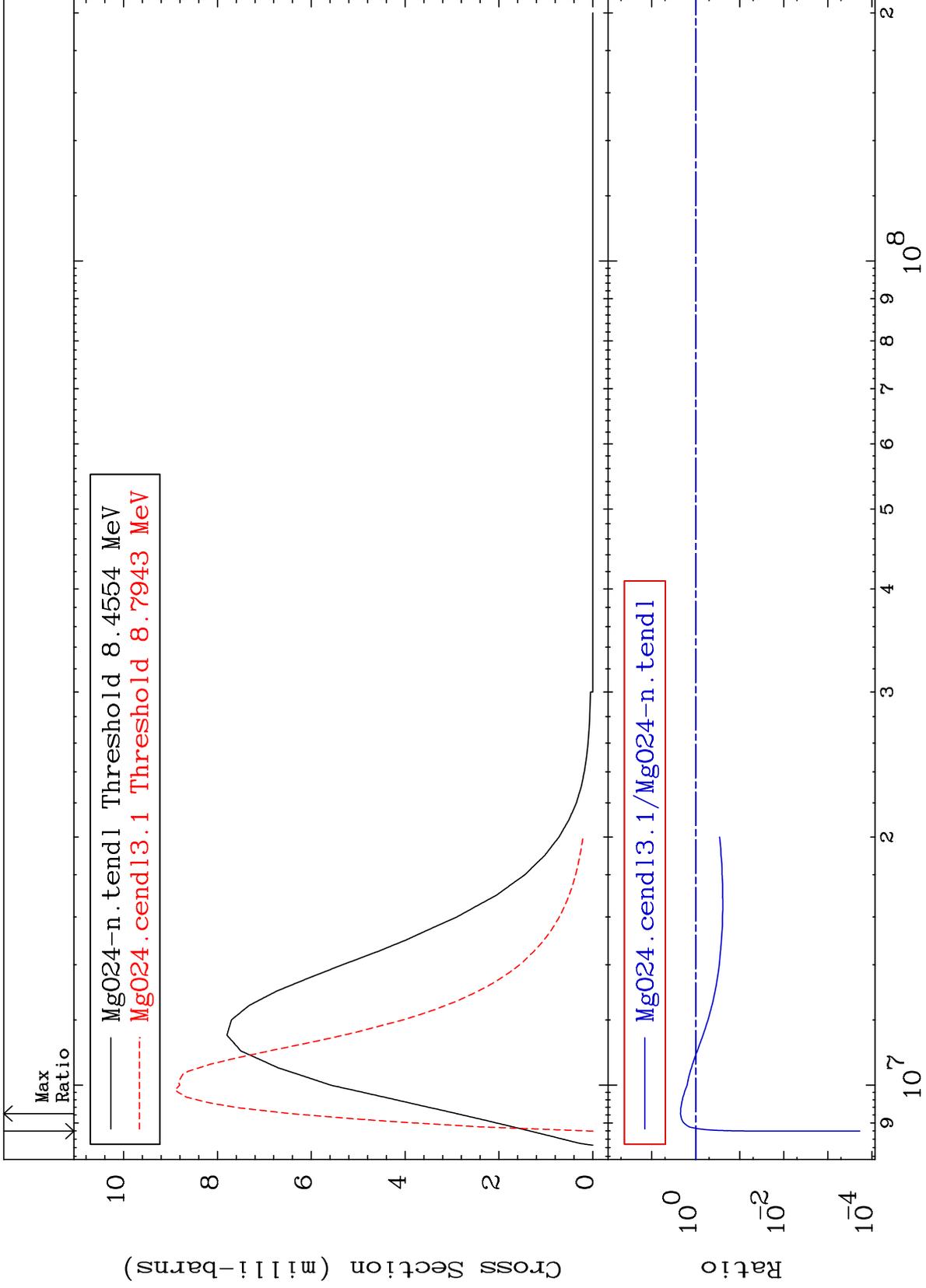
Incident Energy (eV)

12-Mg-24

MAT 1225

8.114 MeV (n,n') Level  
Cross Section

12-Mg-24  
-99.98 To 121.9 %



18

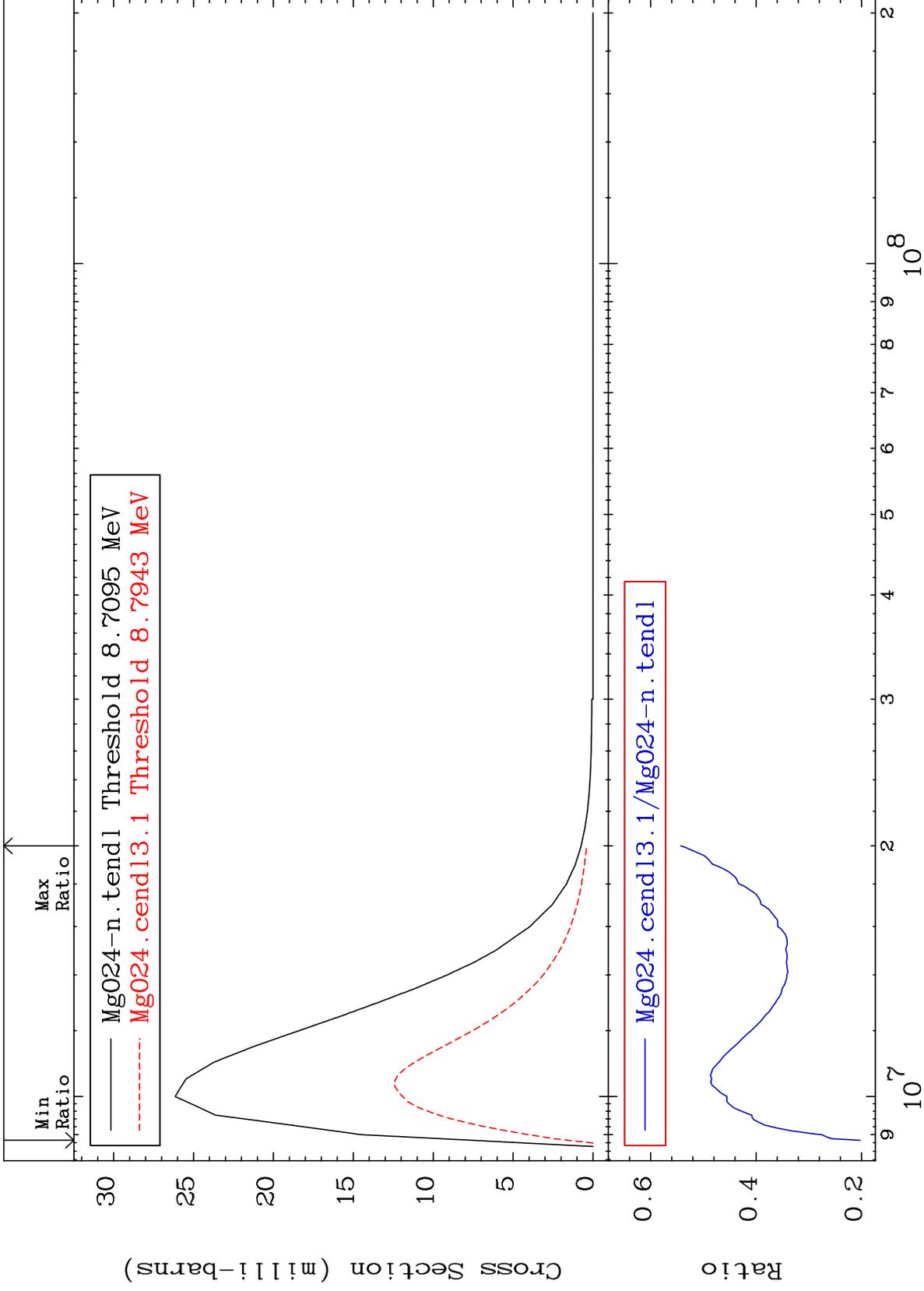
Incident Energy (eV)

12-Mg-24

MAT 1225

8.358 MeV (n,n') Level  
Cross Section

12-Mg-24  
-79.72 To -45.70%



19

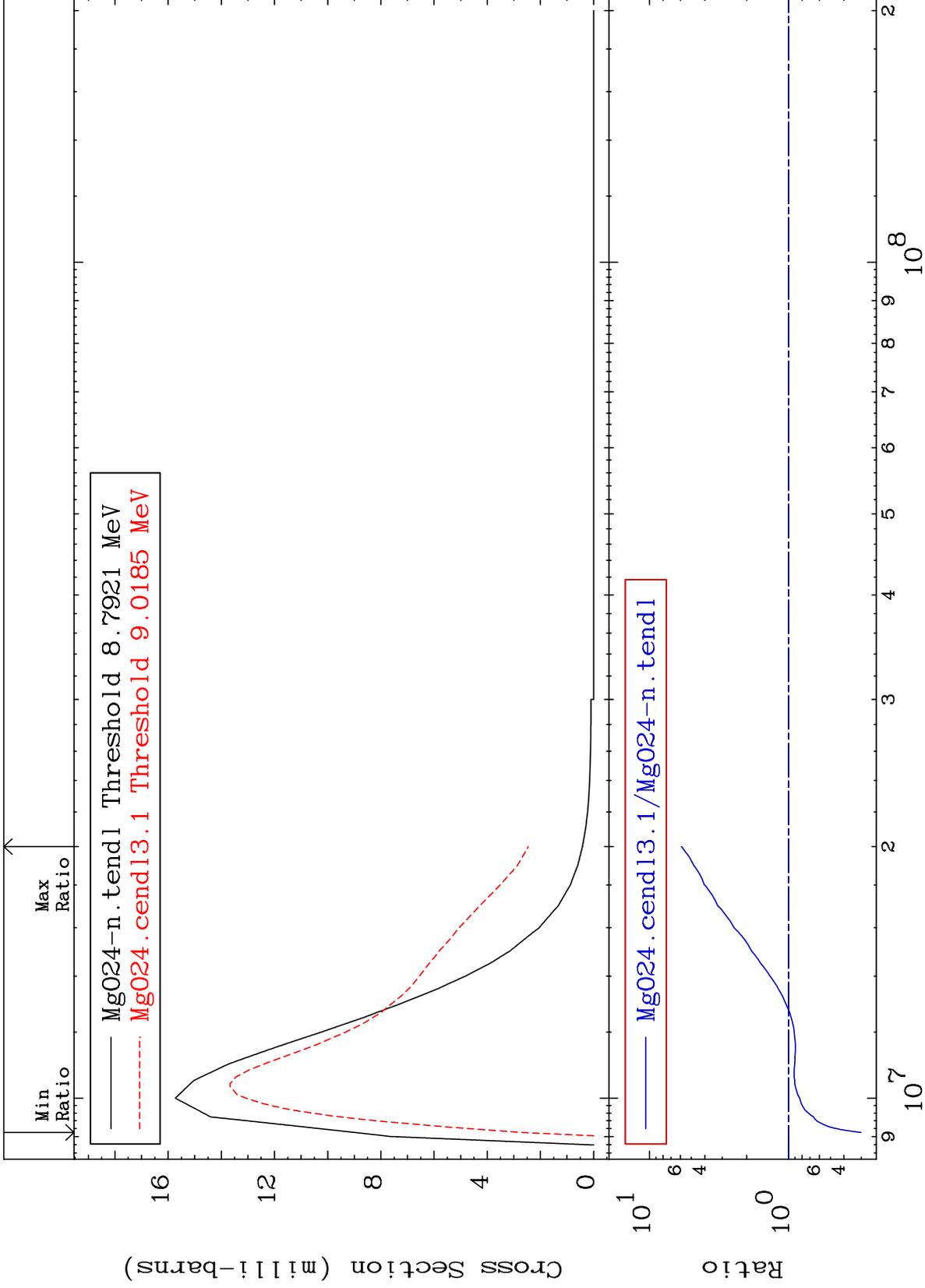
Incident Energy (eV)

12-Mg-24

MAT 1225

8.437 MeV (n,n') Level  
Cross Section

12-Mg-24  
-69.87 To 488.6 %



20

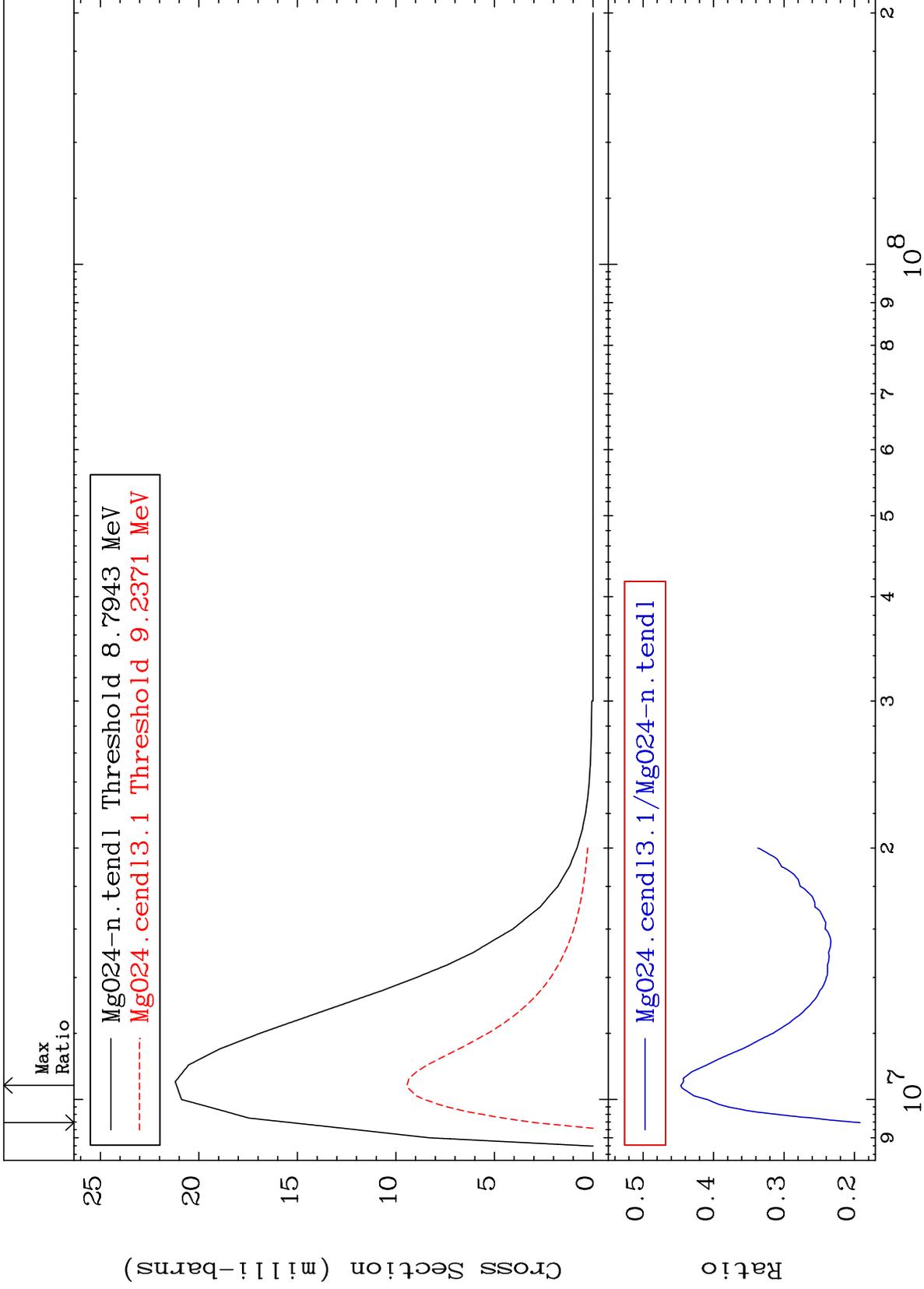
Incident Energy (eV)

12-Mg-24

MAT 1225

8.439 MeV (n,n') Level  
Cross Section

12-Mg-24  
-80.80 To -55.35%



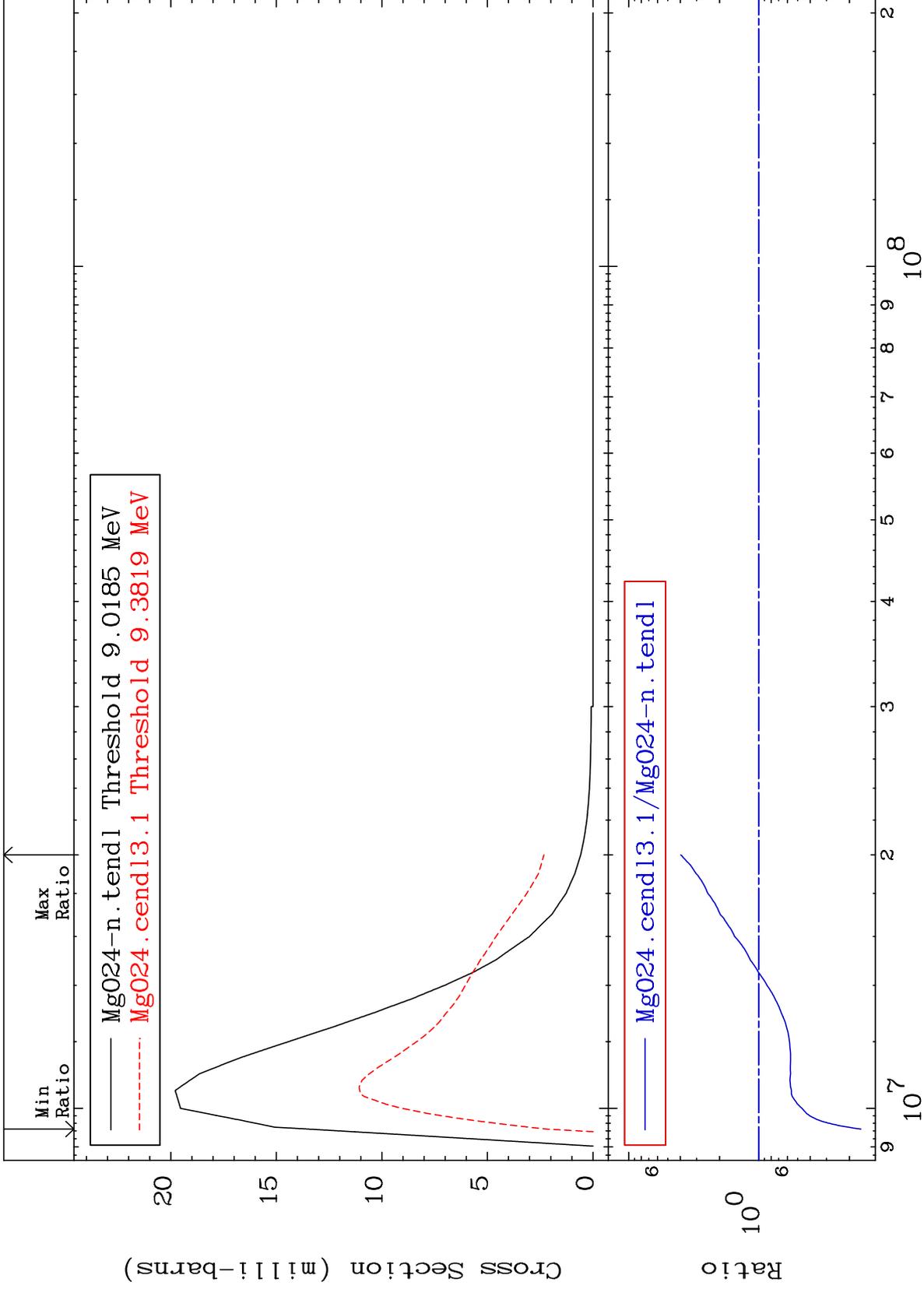
21

12-Mg-24

MAT 1225

8.655 MeV (n,n') Level  
Cross Section

12-Mg-24  
-83.45 To 297.2 %



22

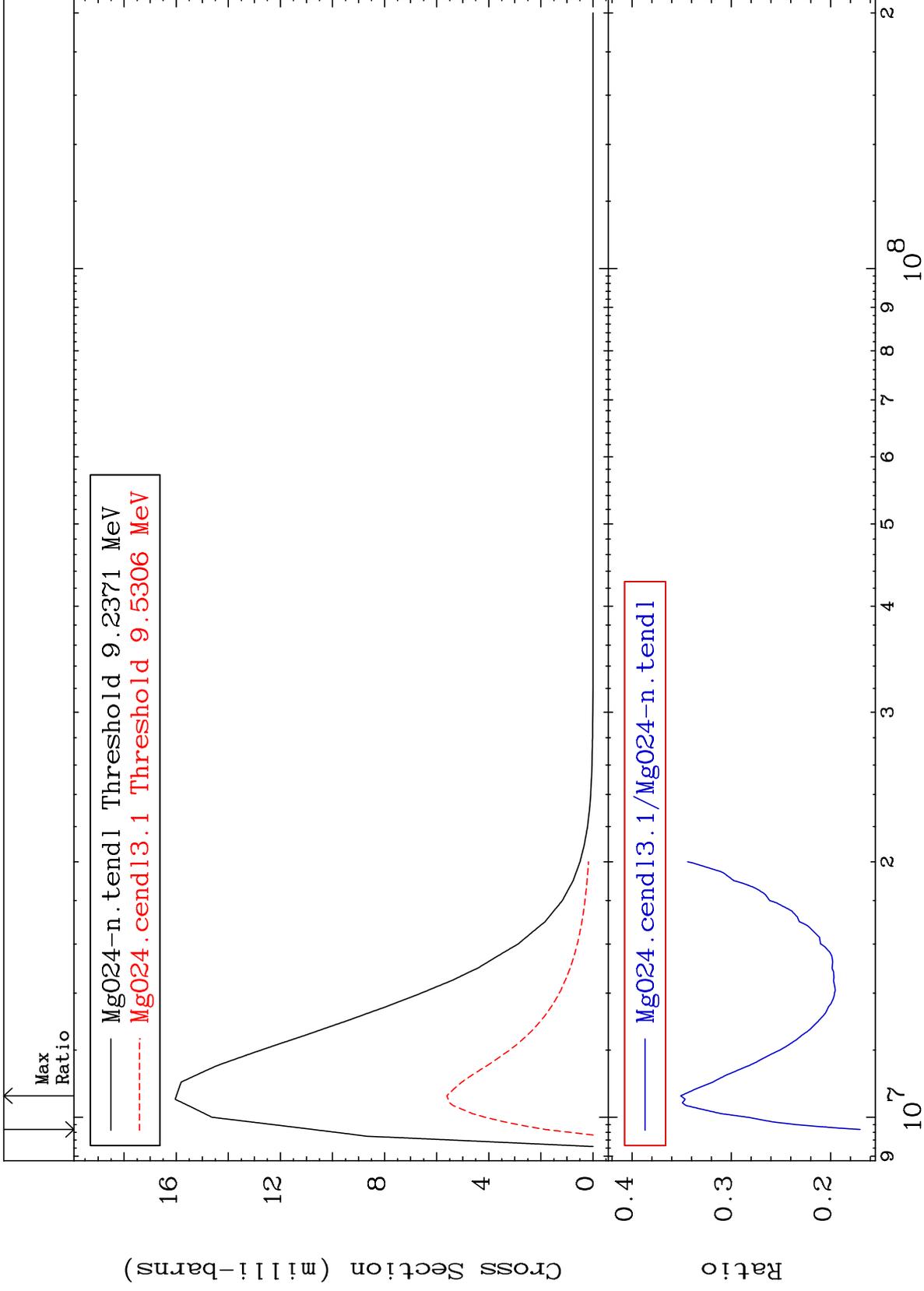
Incident Energy (eV)

12-Mg-24

MAT 1225

8.864 MeV (n,n') Level  
Cross Section

12-Mg-24  
-82.97 To -64.91%



23

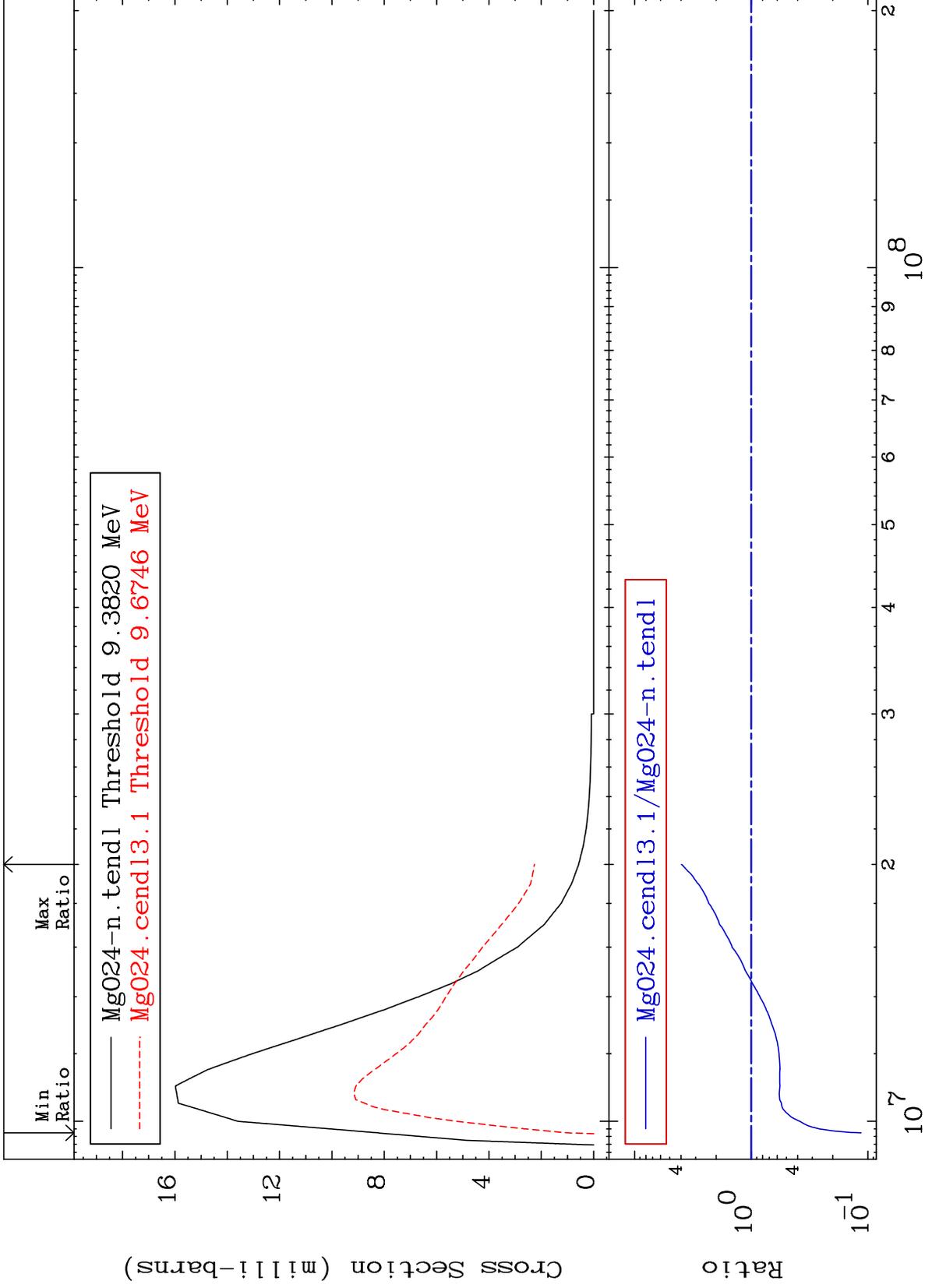
12-Mg-24

12-Mg-24

MAT 1225

9.003 MeV (n,n') Level  
Cross Section

12-Mg-24  
-88.53 To 296.3 %



24

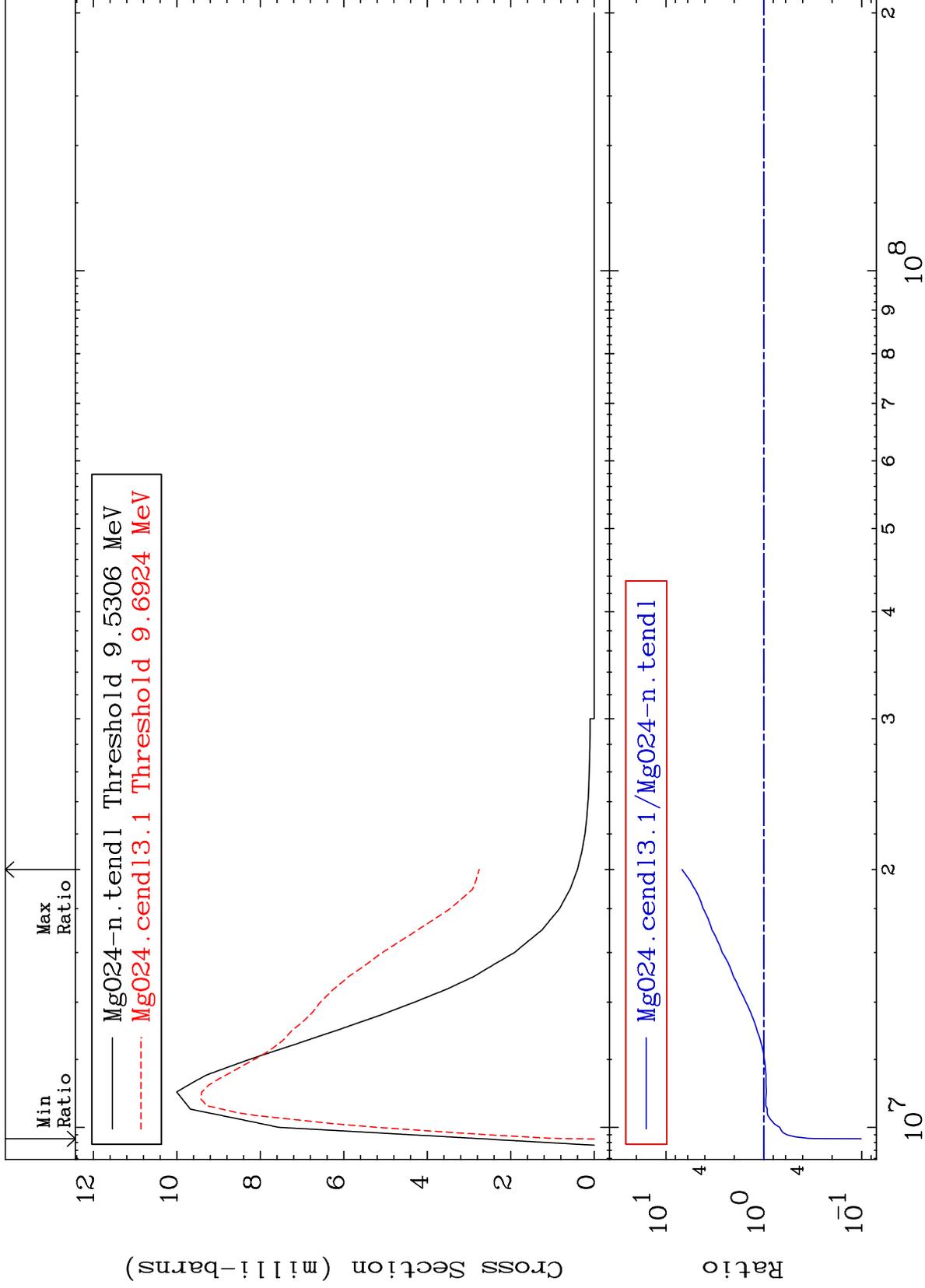
Incident Energy (eV)

12-Mg-24

MAT 1225

9.146 MeV (n,n') Level  
Cross Section

12-Mg-24  
-89.87 To 586.4 %



25

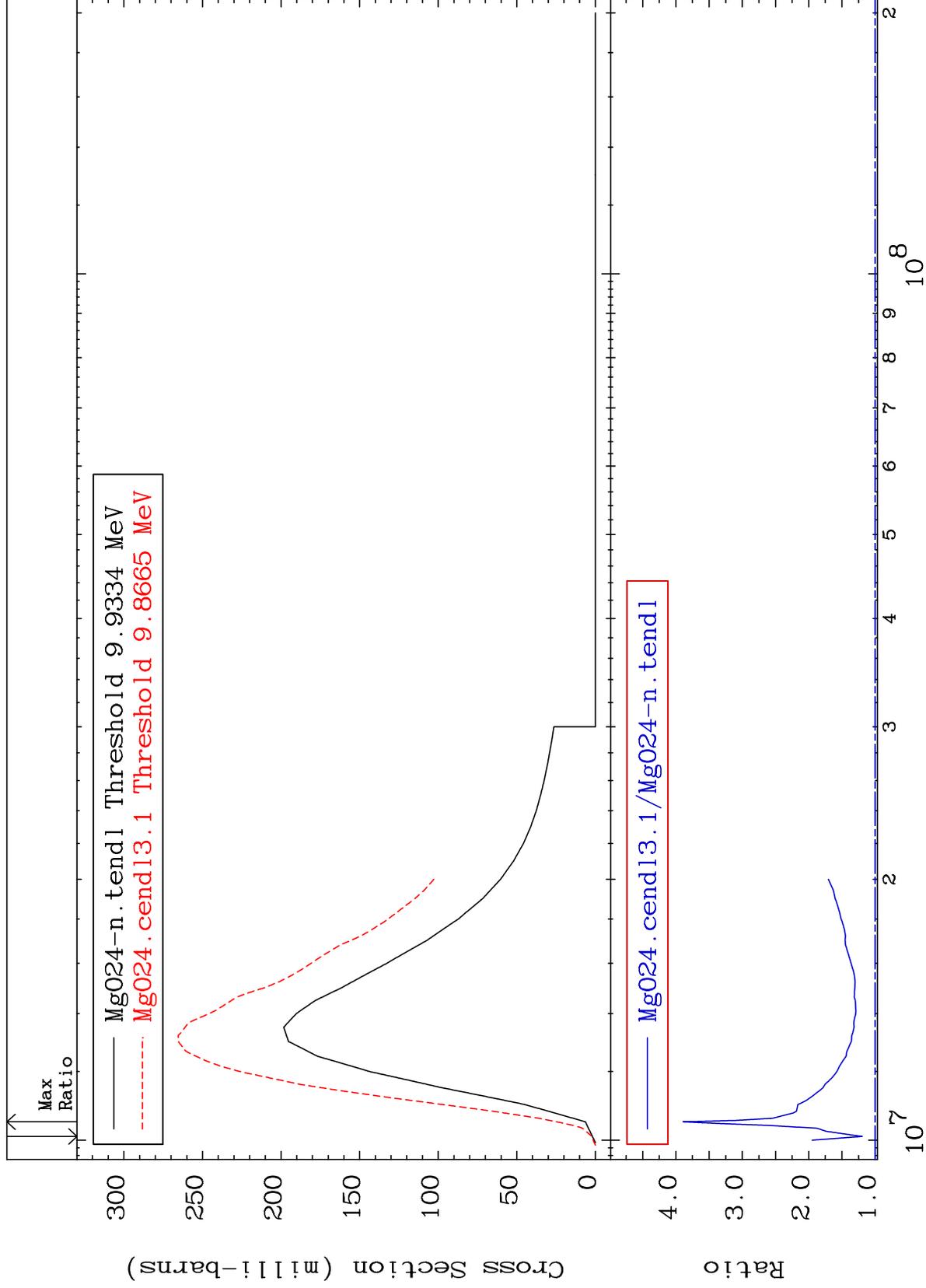
Incident Energy (eV)

12-Mg-24

MAT 1225

(n, n') Continuum  
Cross Section

12-Mg-24  
19.52 To 289.2 %



26

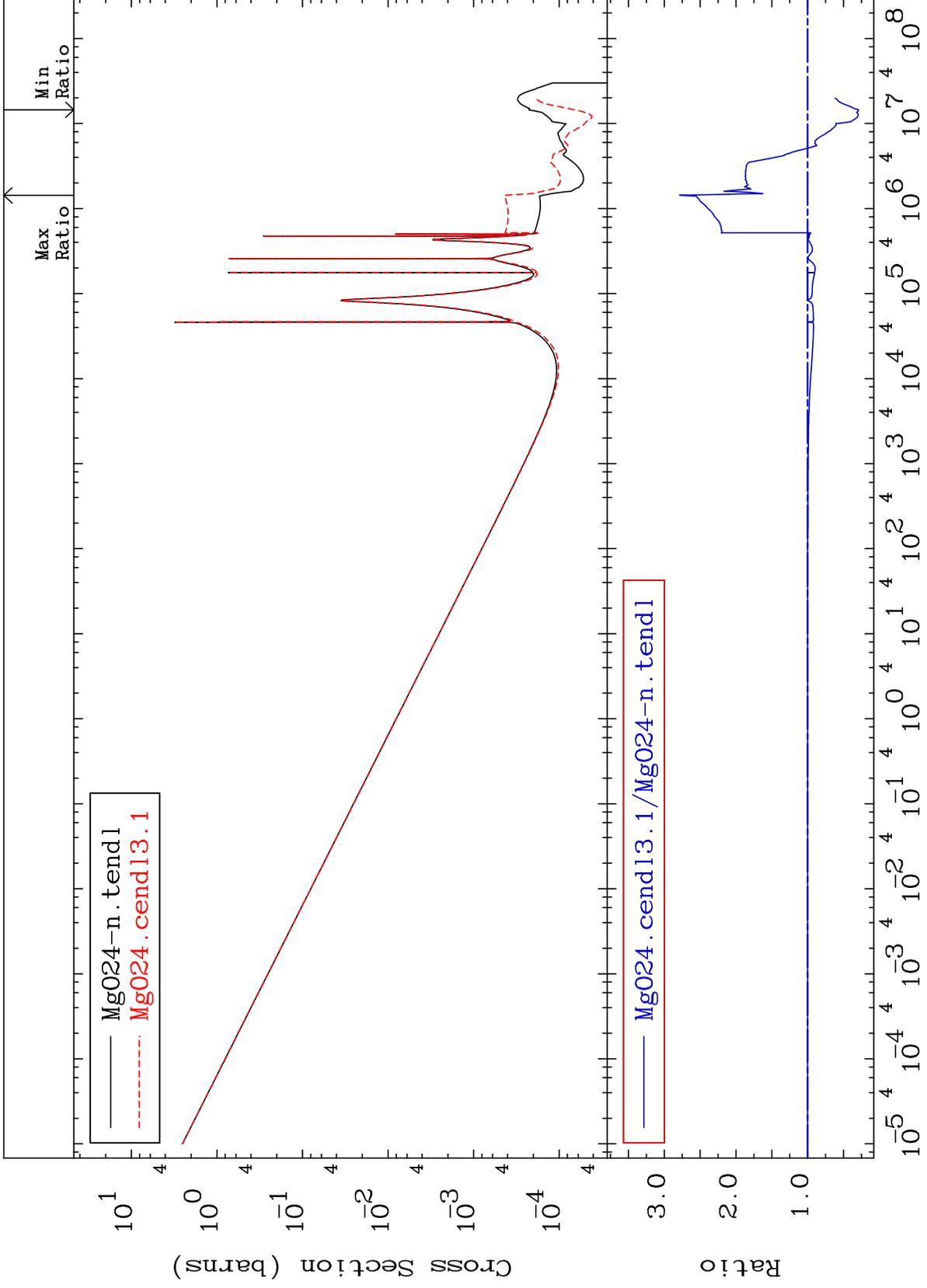
Incident Energy (eV)

12-Mg-24

MAT 1225

(n,  $\gamma$ )  
Cross Section

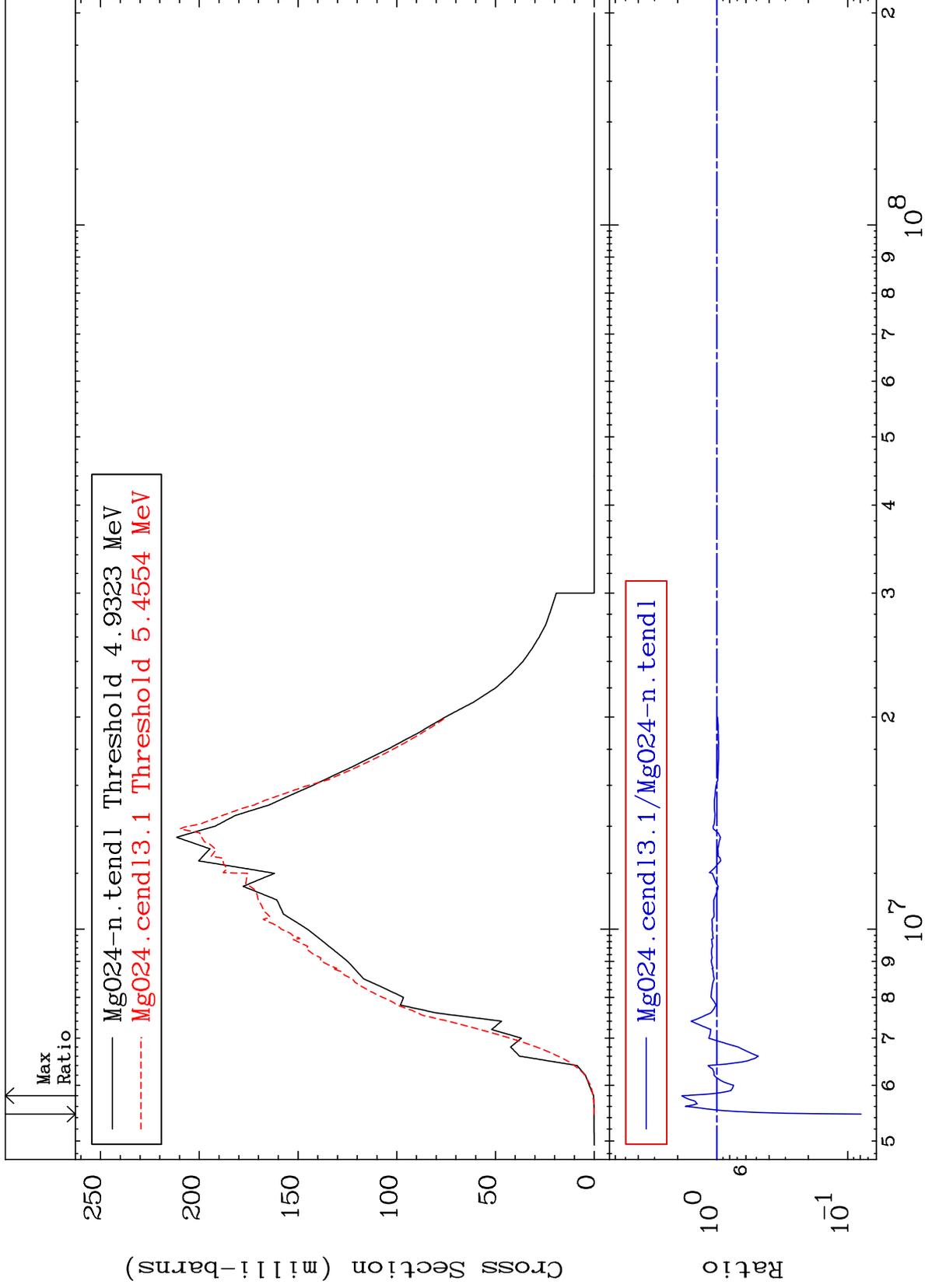
12-Mg-24  
-70.87 To 178.8 %



MAT 1225

(n,p)  
Cross Section

12-Mg-24  
-92.10 To 85.46 %



28

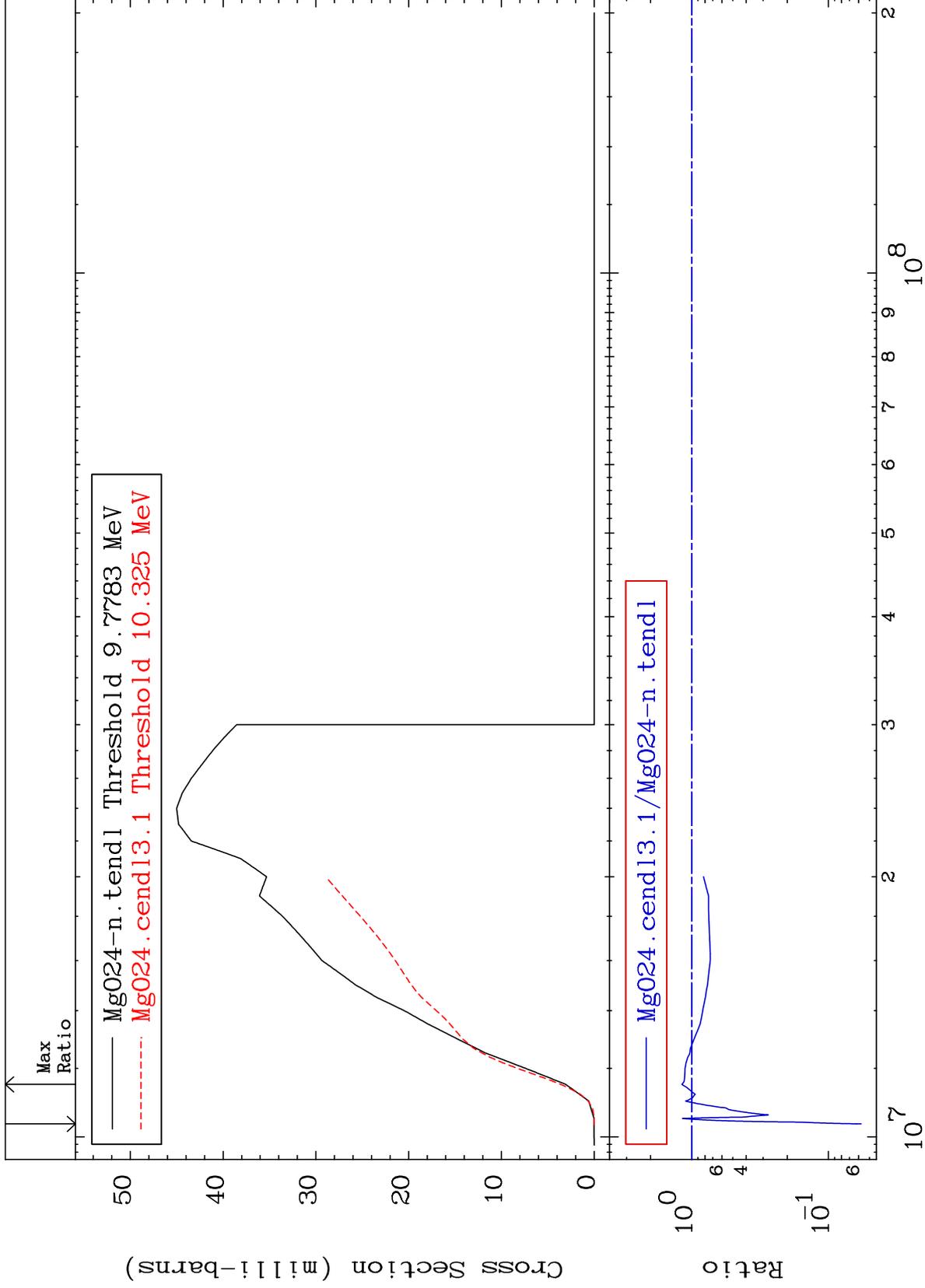
Incident Energy (eV)

12-Mg-24

MAT 1225

(n, d)  
Cross Section

12-Mg-24  
-94.25 To 17.92 %



29

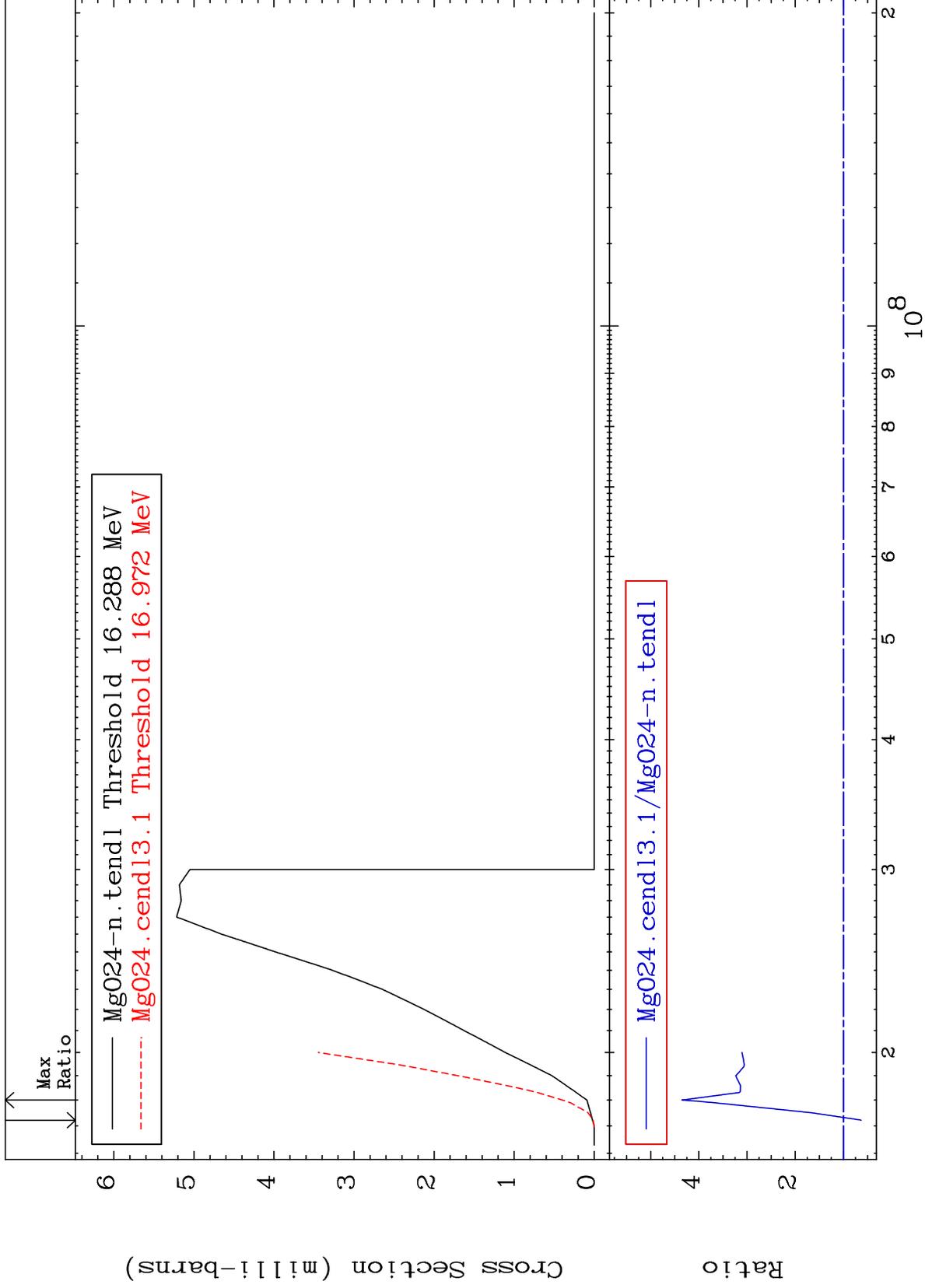
Incident Energy (eV)

12-Mg-24

MAT 1225

(n, t)  
Cross Section

12-Mg-24  
-36.73 To 335.2 %



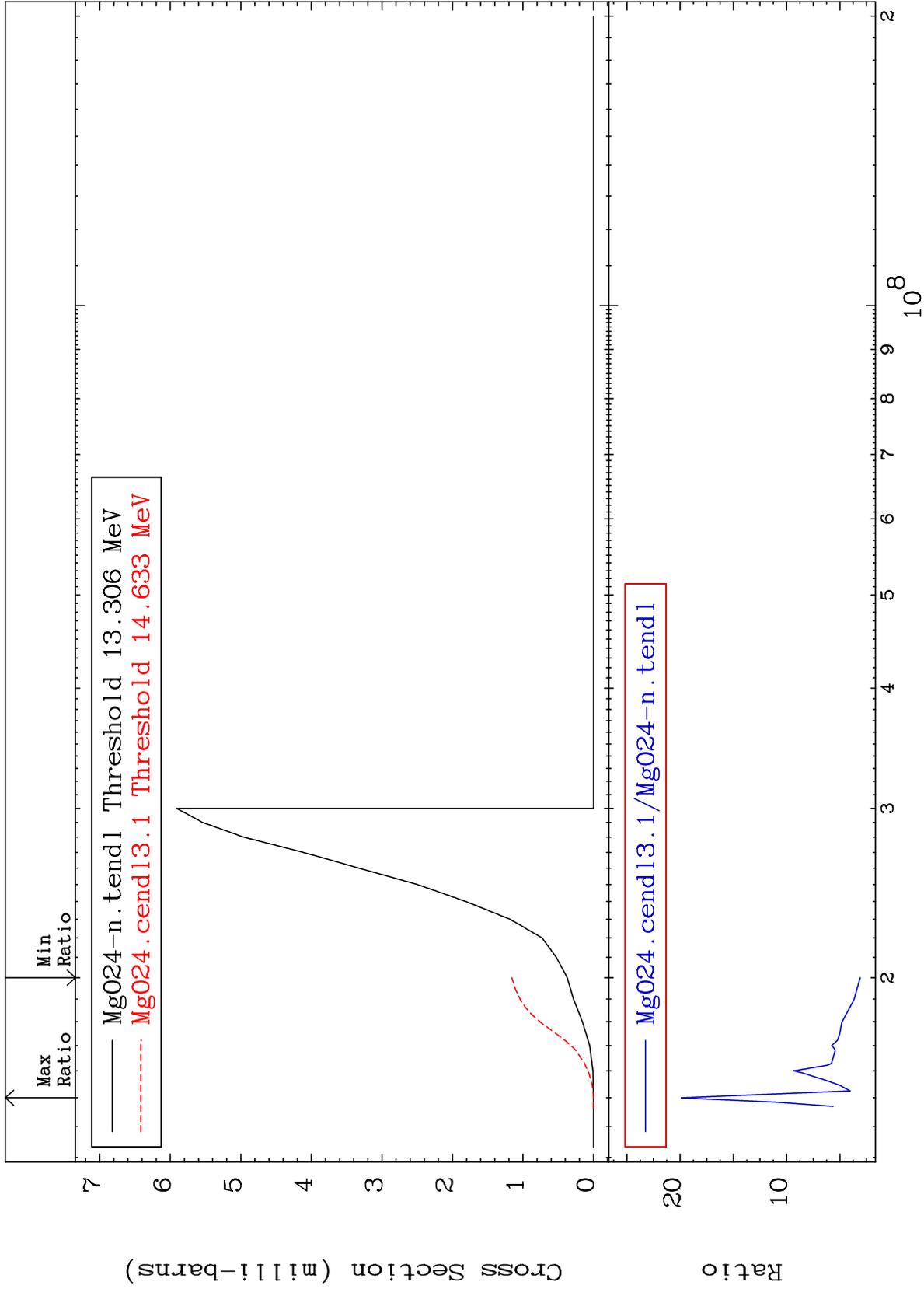
30

12-Mg-24

MAT 1225

(n, He-3)  
Cross Section

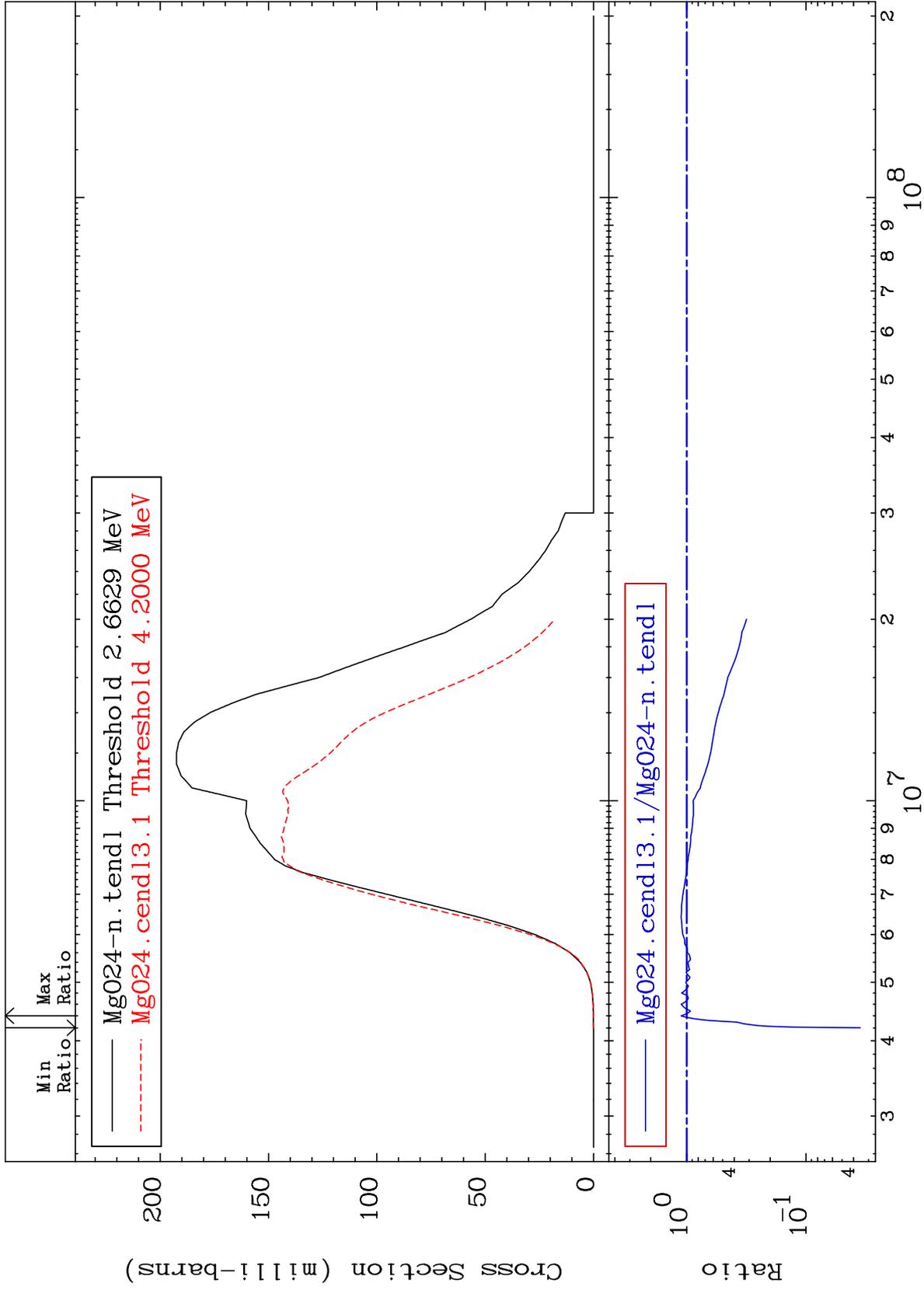
12-Mg-24  
209.4 To 1890. %



MAT 1225

(n,  $\alpha$ )  
Cross Section

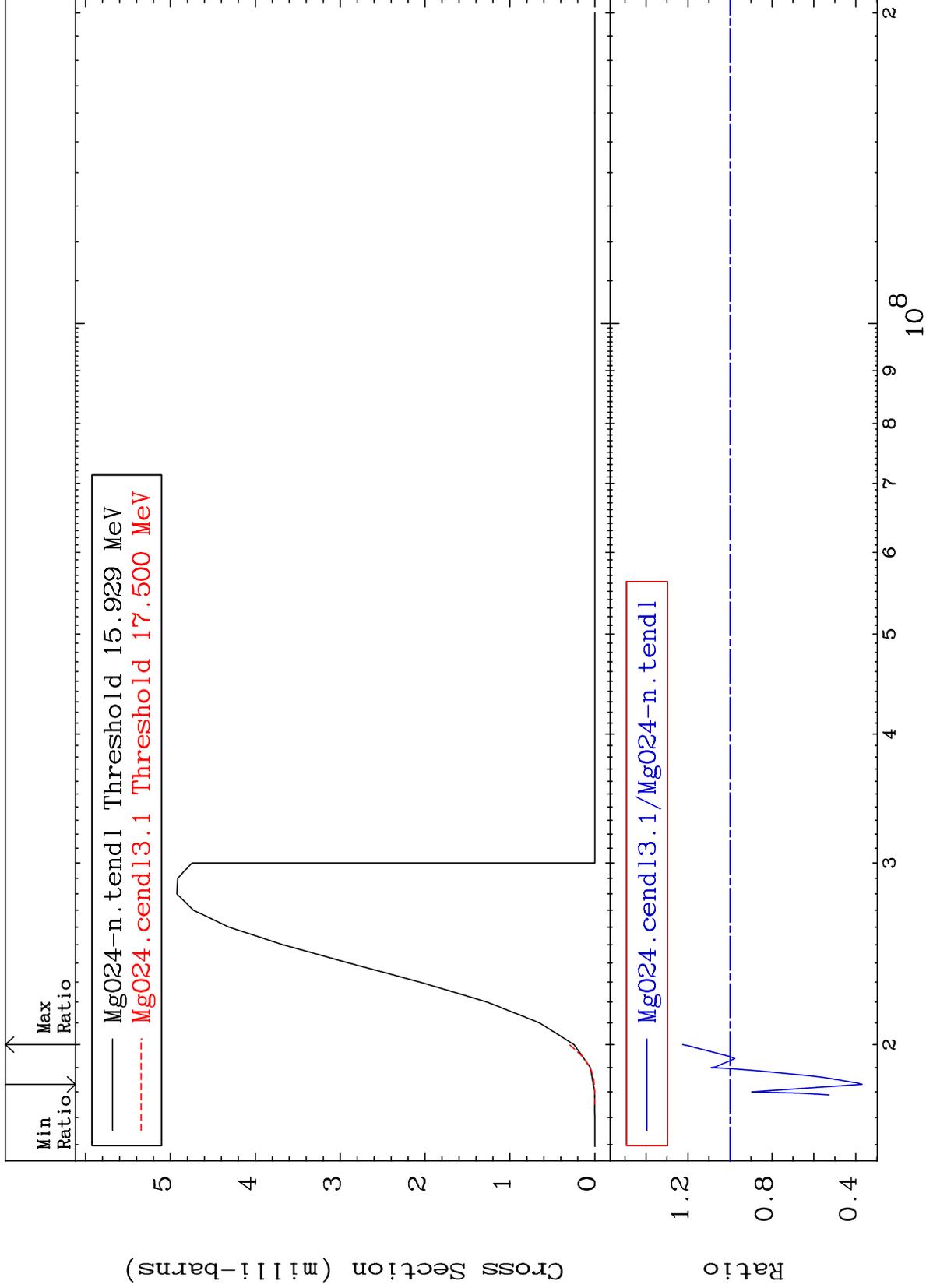
12-Mg-24  
-96.48 To 11.28 %



32

Incident Energy (eV)

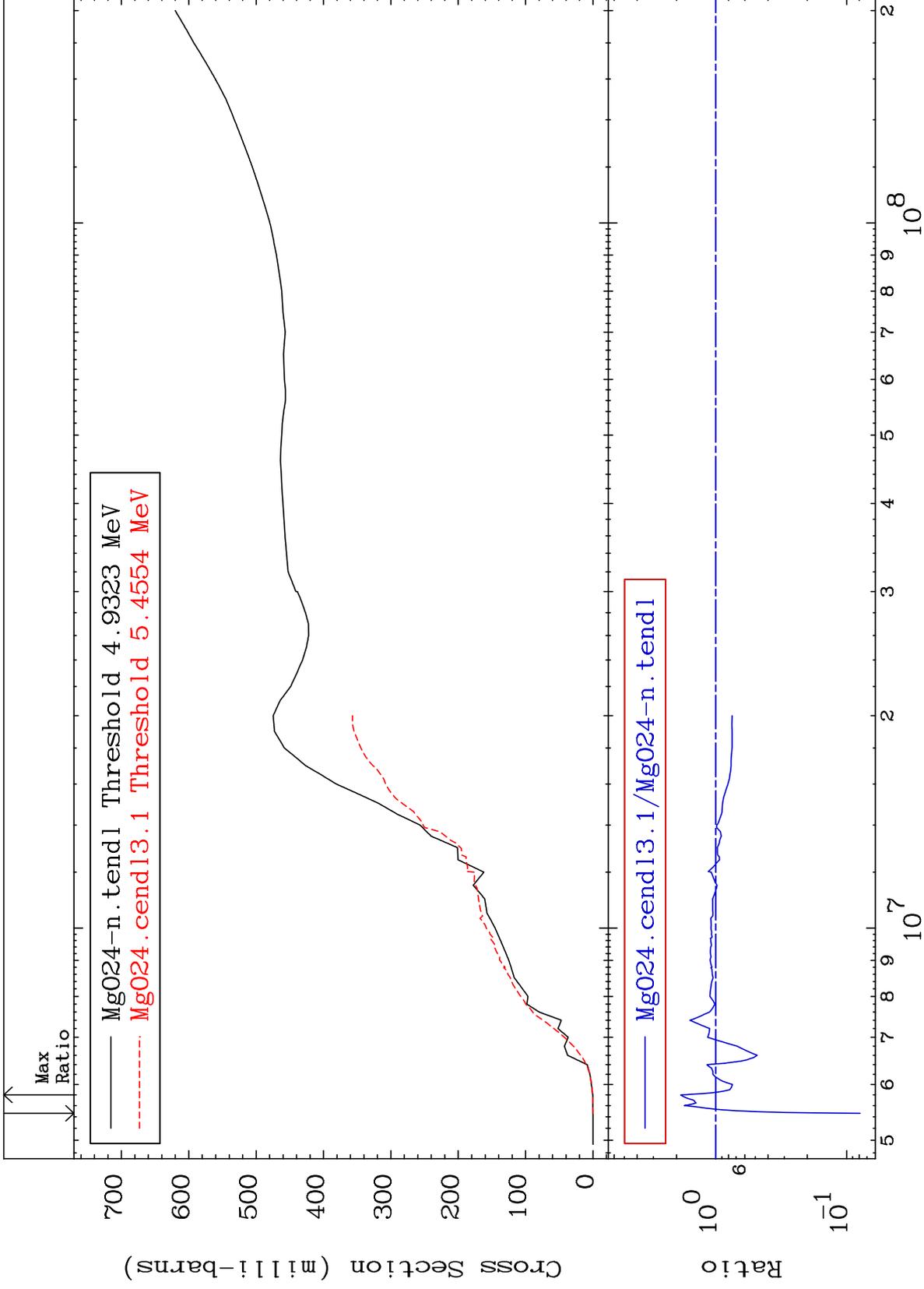
12-Mg-24



MAT 1225

Hydrogen Production  
Cross Section

12-Mg-24  
-92.10 To 85.46 %

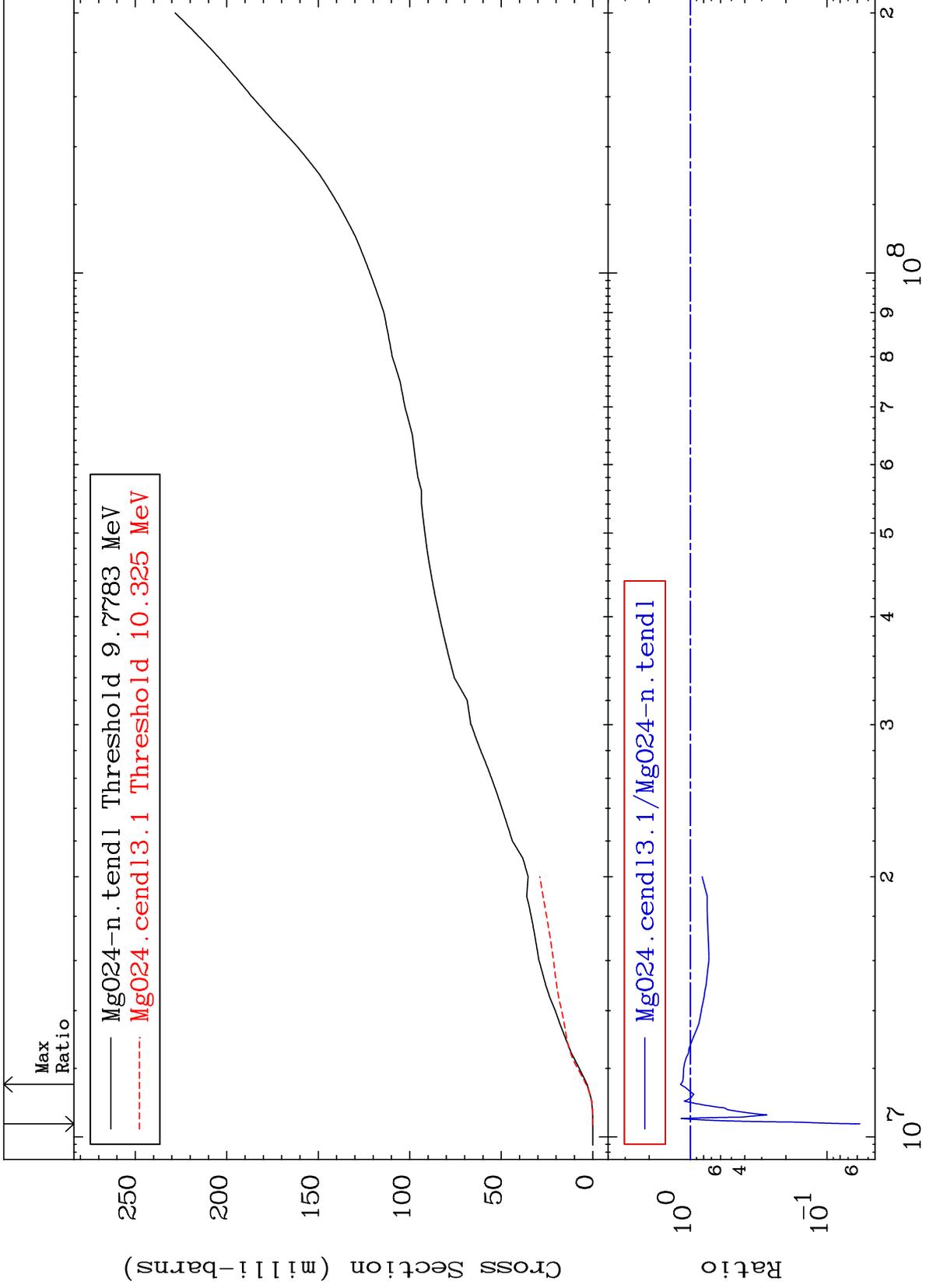


34

MAT 1225

Deuterium Production  
Cross Section

$^{12}\text{Mg-24}$   
-94.25 To 17.92 %



35

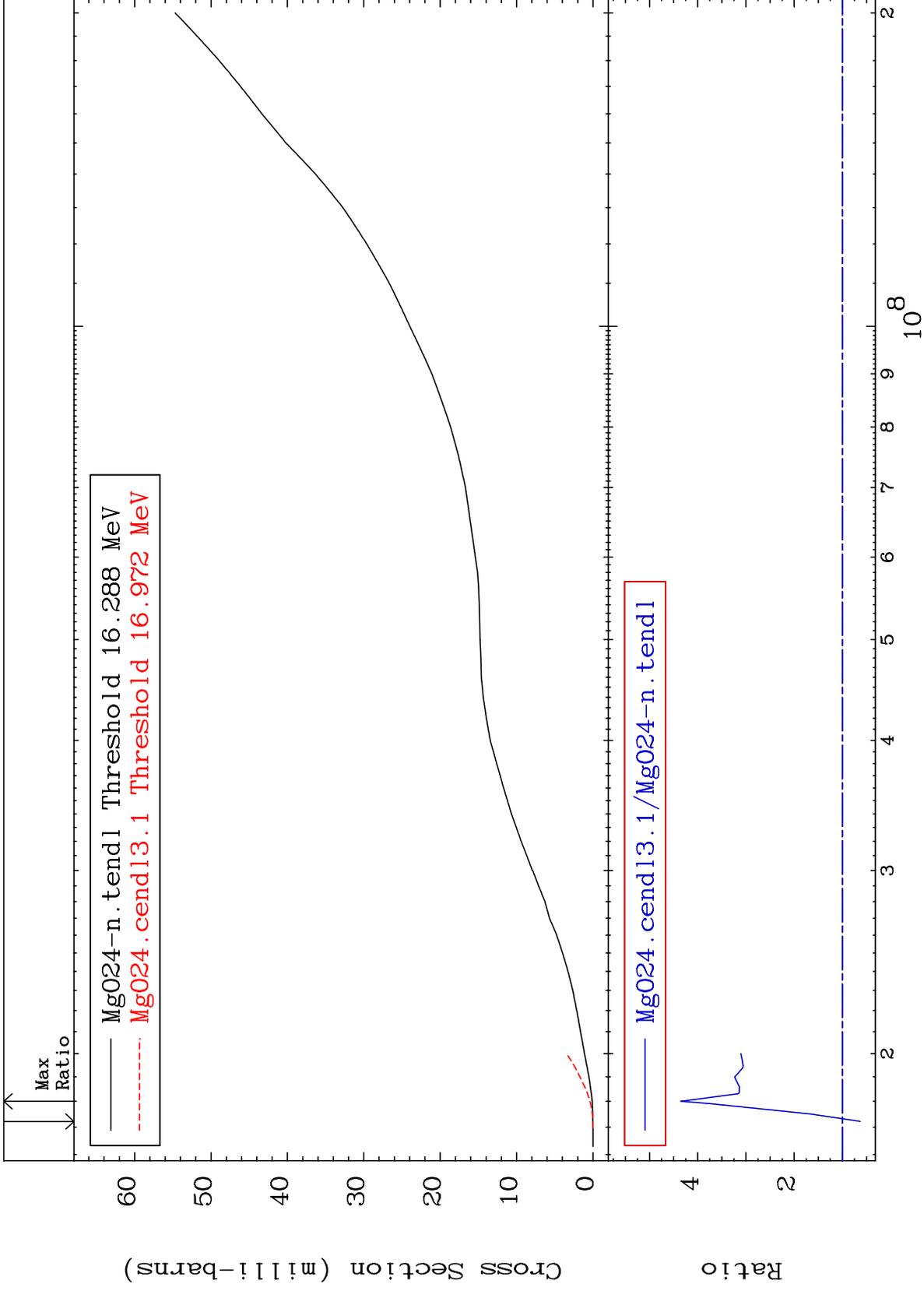
Incident Energy (eV)

$^{12}\text{Mg-24}$

MAT 1225

Tritium Production  
Cross Section

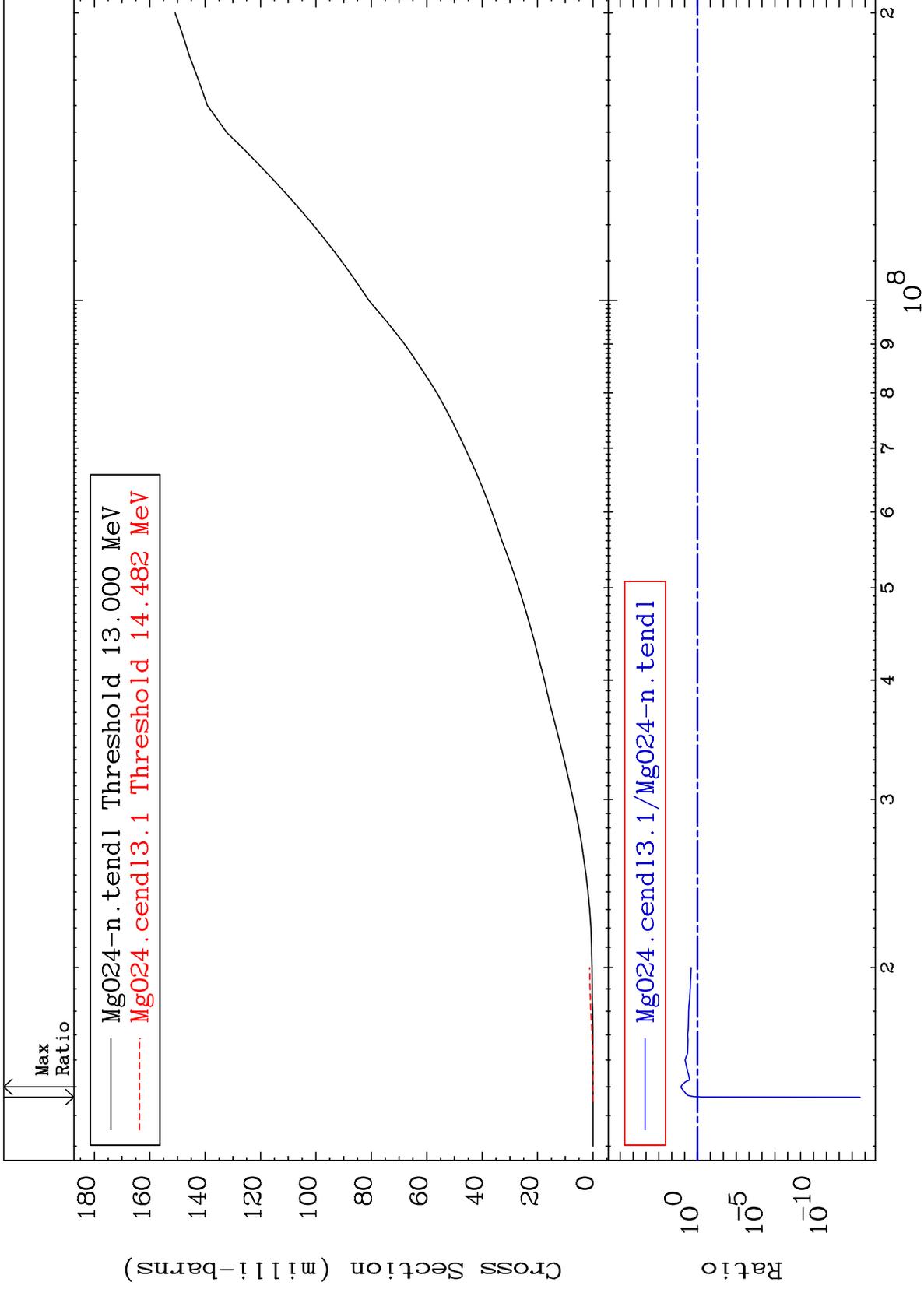
12-Mg-24  
-36.73 To 335.2 %



36

Incident Energy (eV)

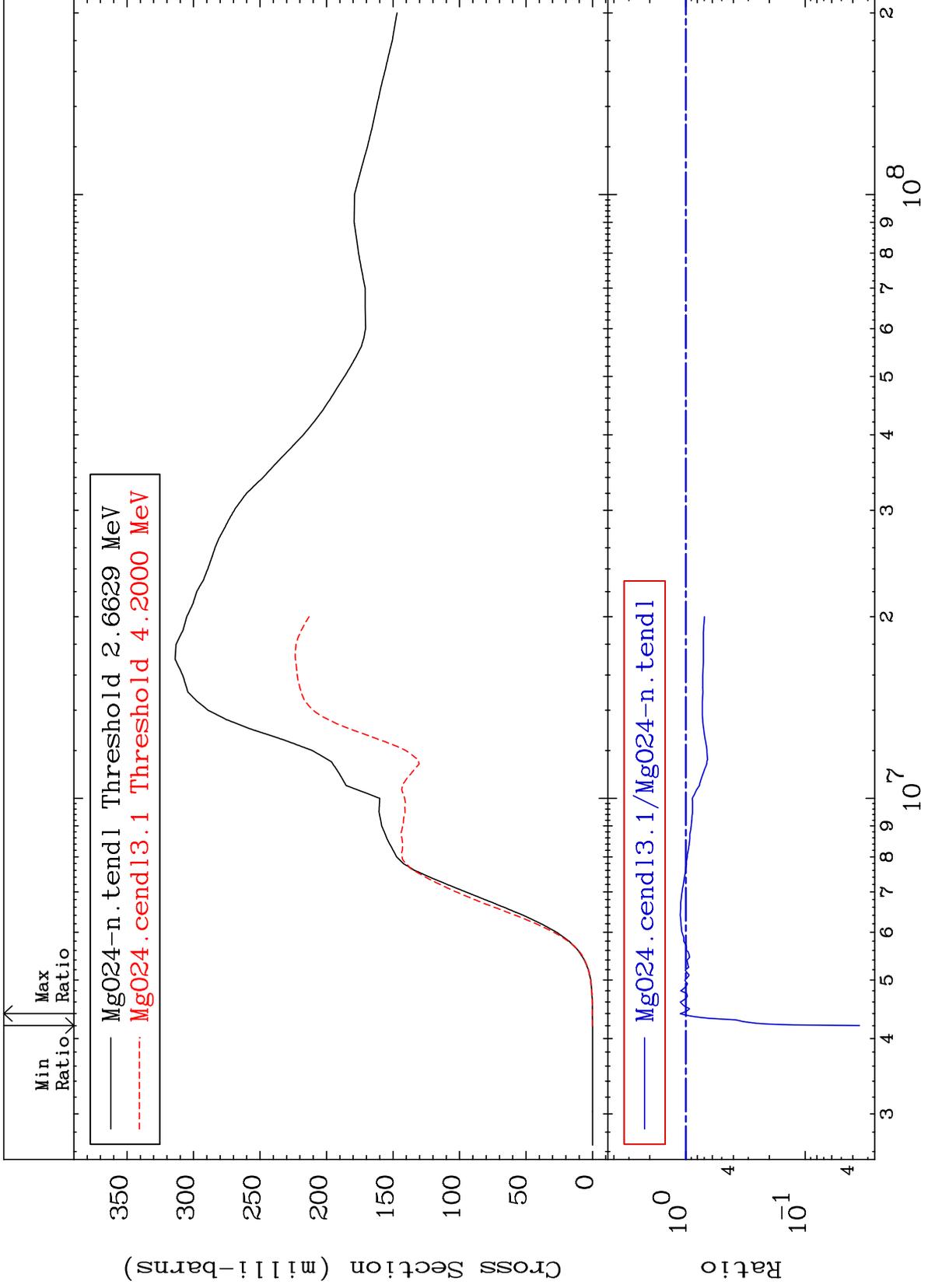
12-Mg-24



MAT 1225

He-4 Production  
Cross Section

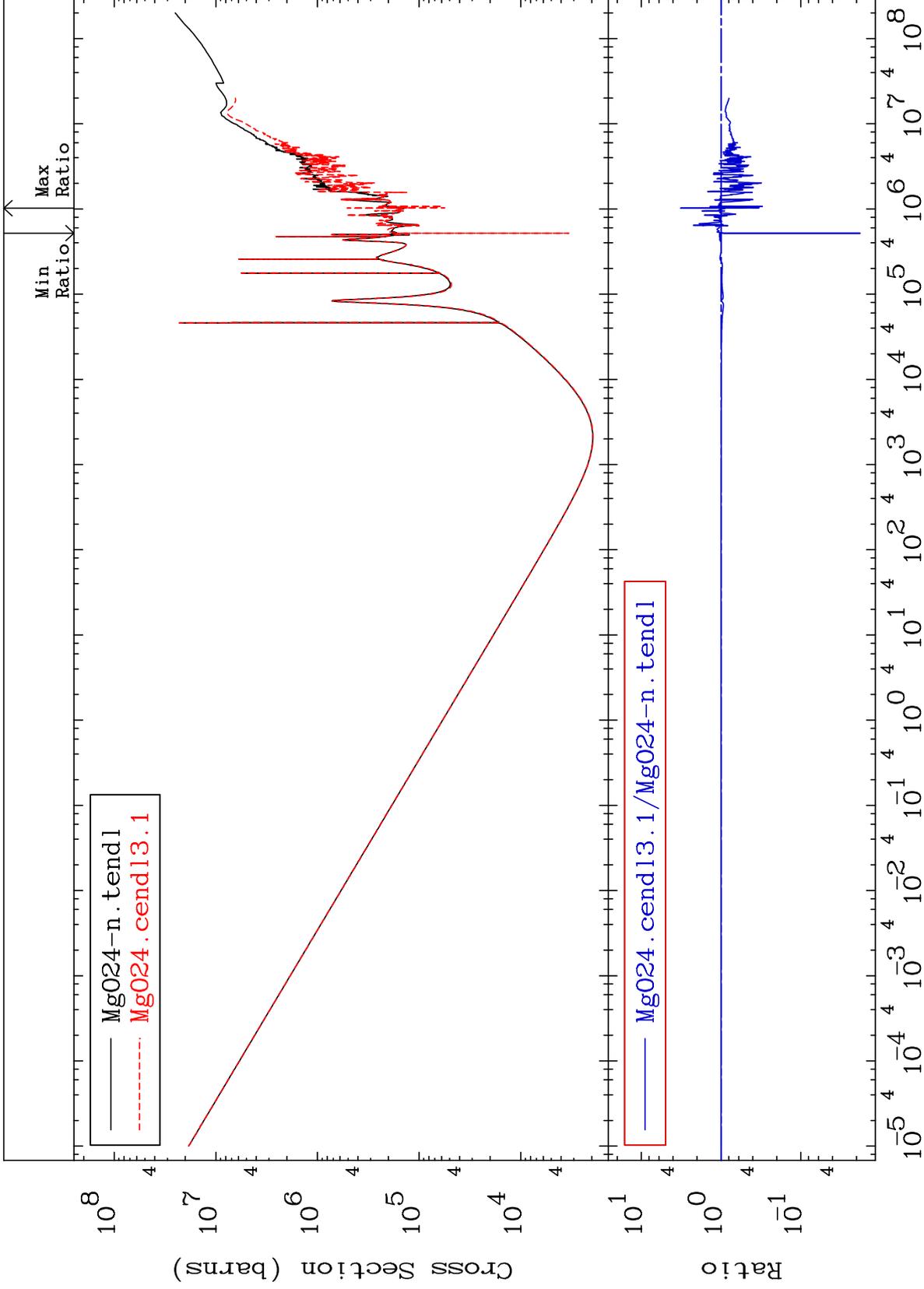
12-Mg-24  
-96.48 To 11.28 %



38

Incident Energy (eV)

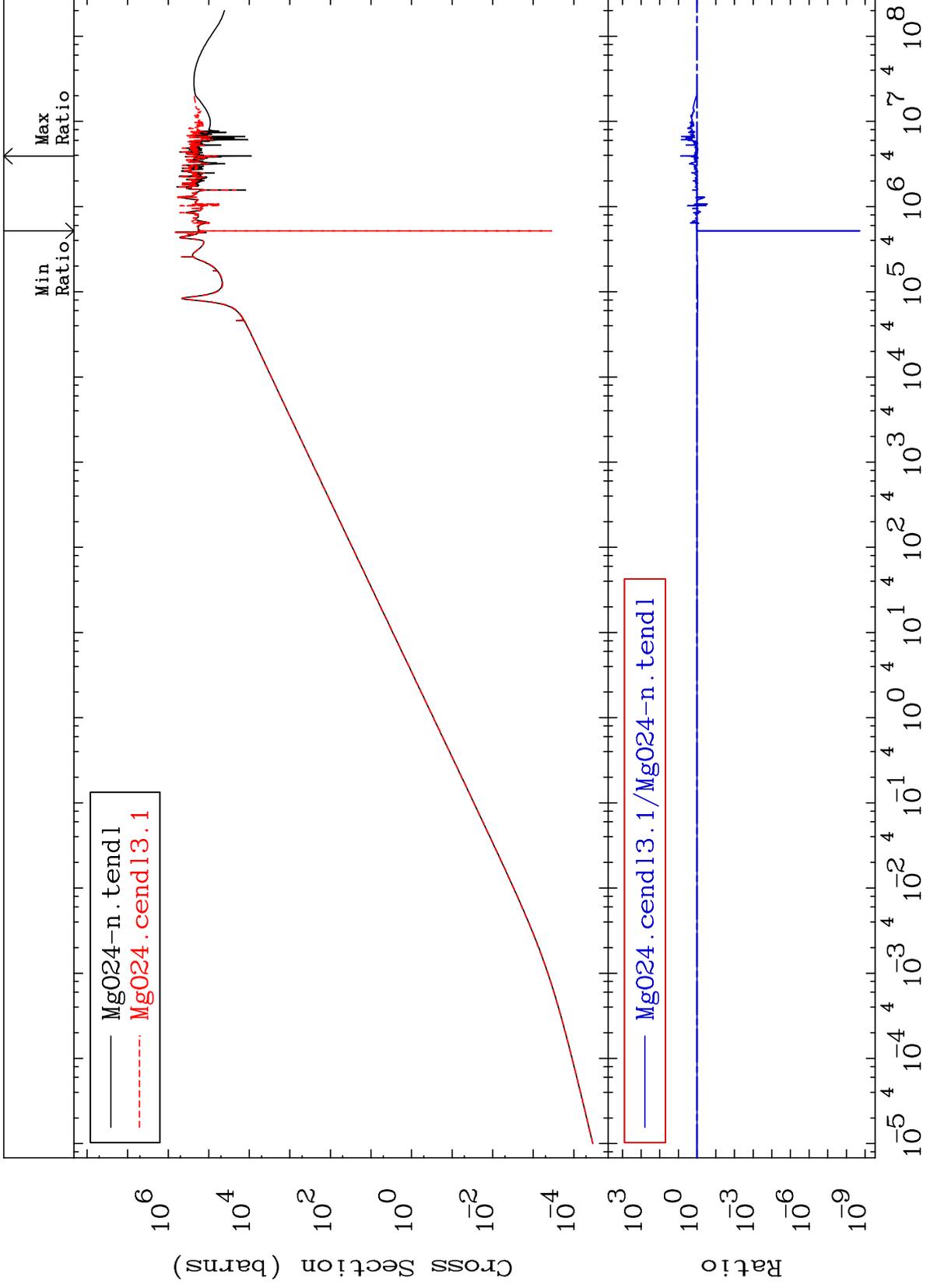
12-Mg-24



MAT 1225

Kerma elastic  
Cross Section

12-Mg-24  
-100.0 To 665.6 %



Incident Energy (eV)

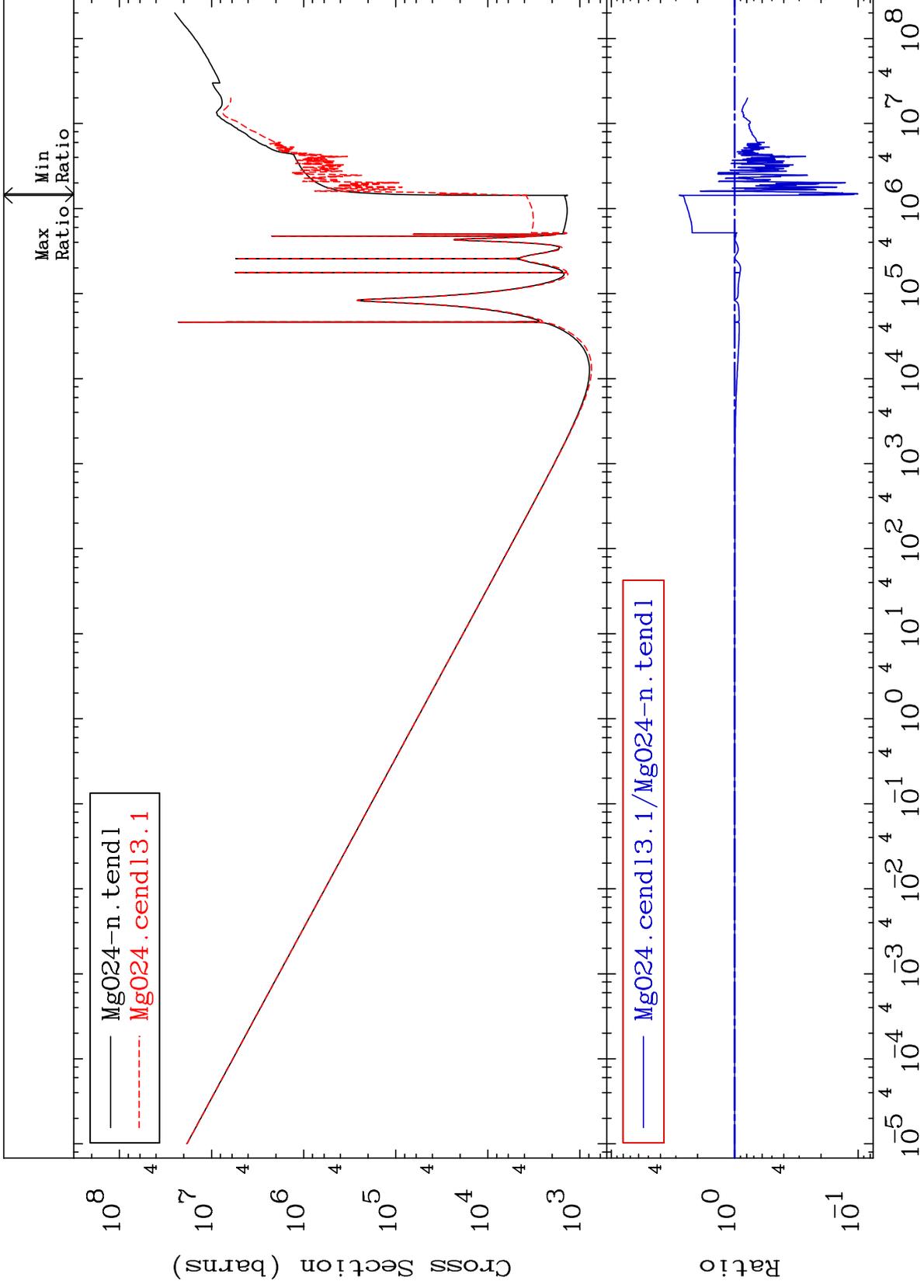
12-Mg-24

40

MAT 1225

Kerma non-elastic (all but mt2)  
Cross Section

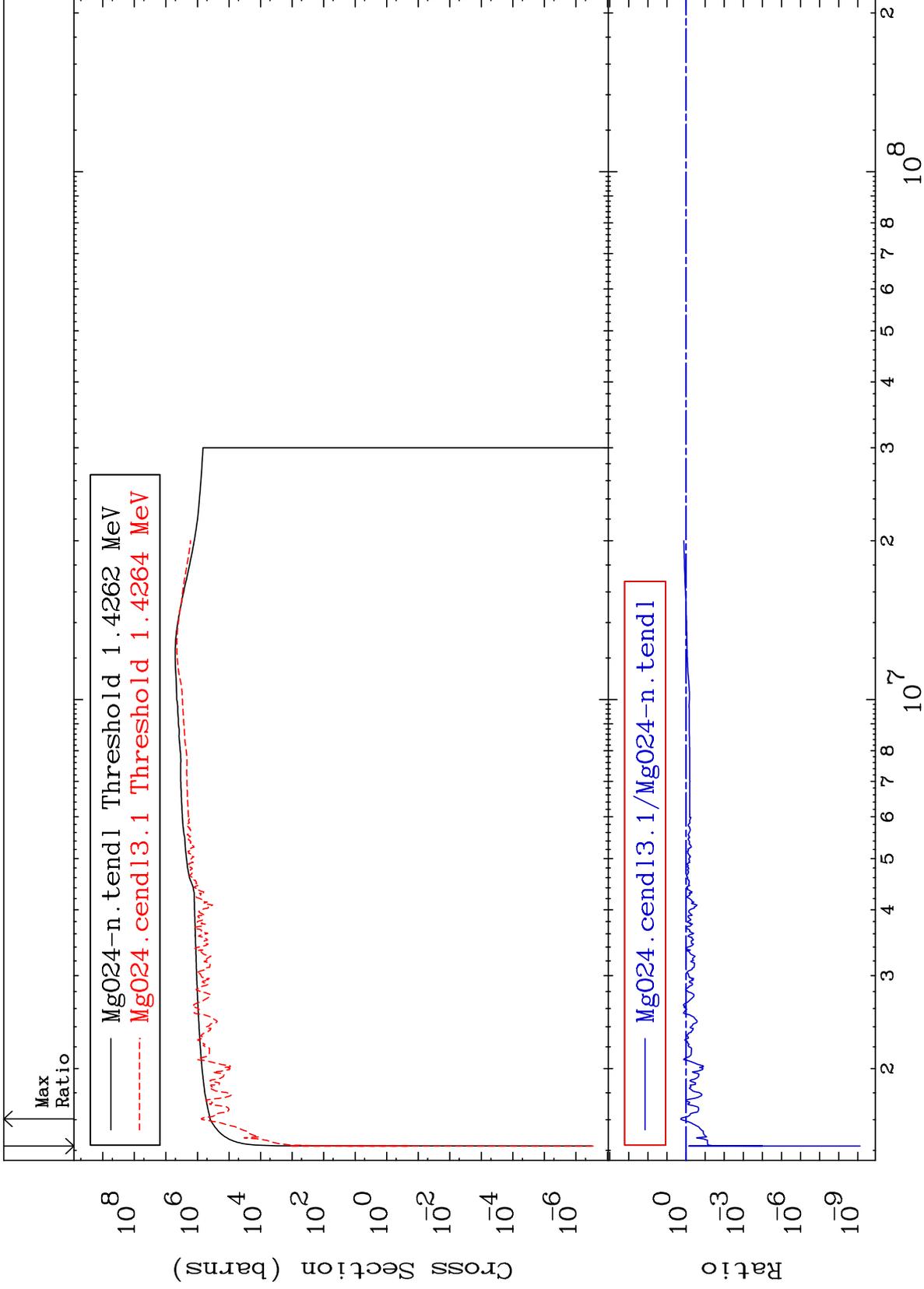
12-Mg-24  
-89.95 To 182.4 %



41

Incident Energy (eV)

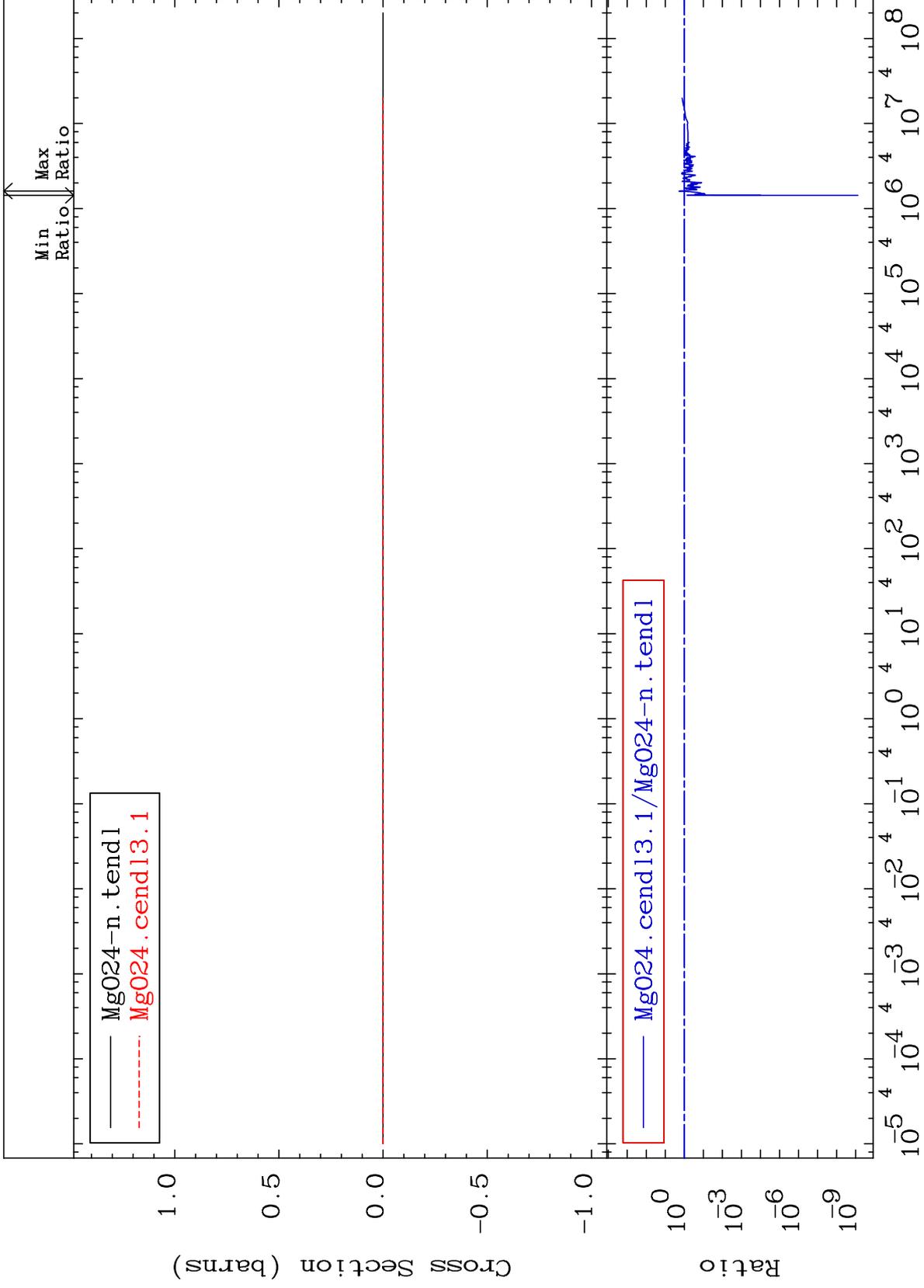
12-Mg-24



MAT 1225

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

12-Mg-24  
-100.0 To 89.80 %



43

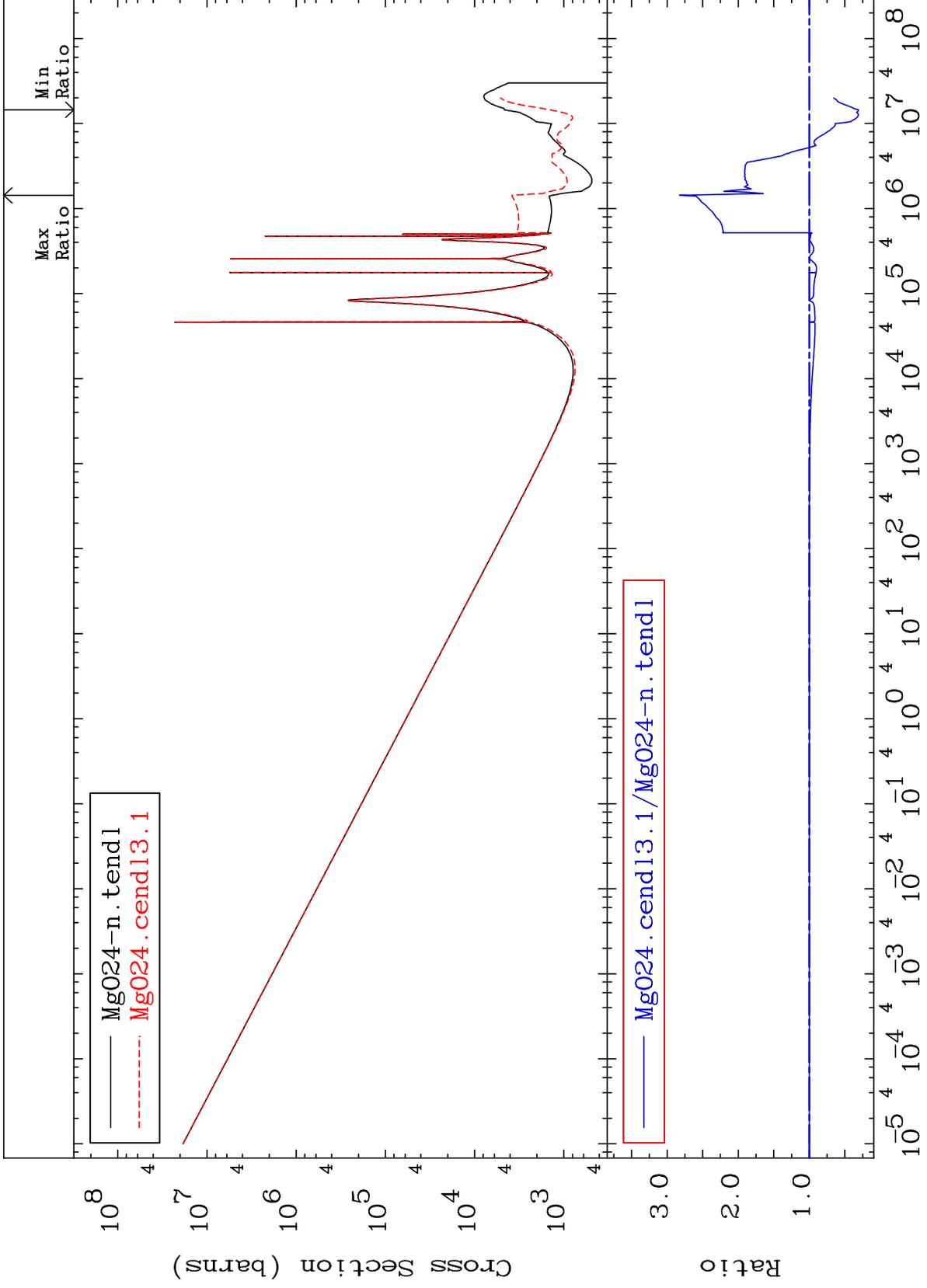
Incident Energy (eV)

12-Mg-24

MAT 1225

Kerma capture (mt102)  
Cross Section

12-Mg-24  
-69.22 To 182.5 %



44

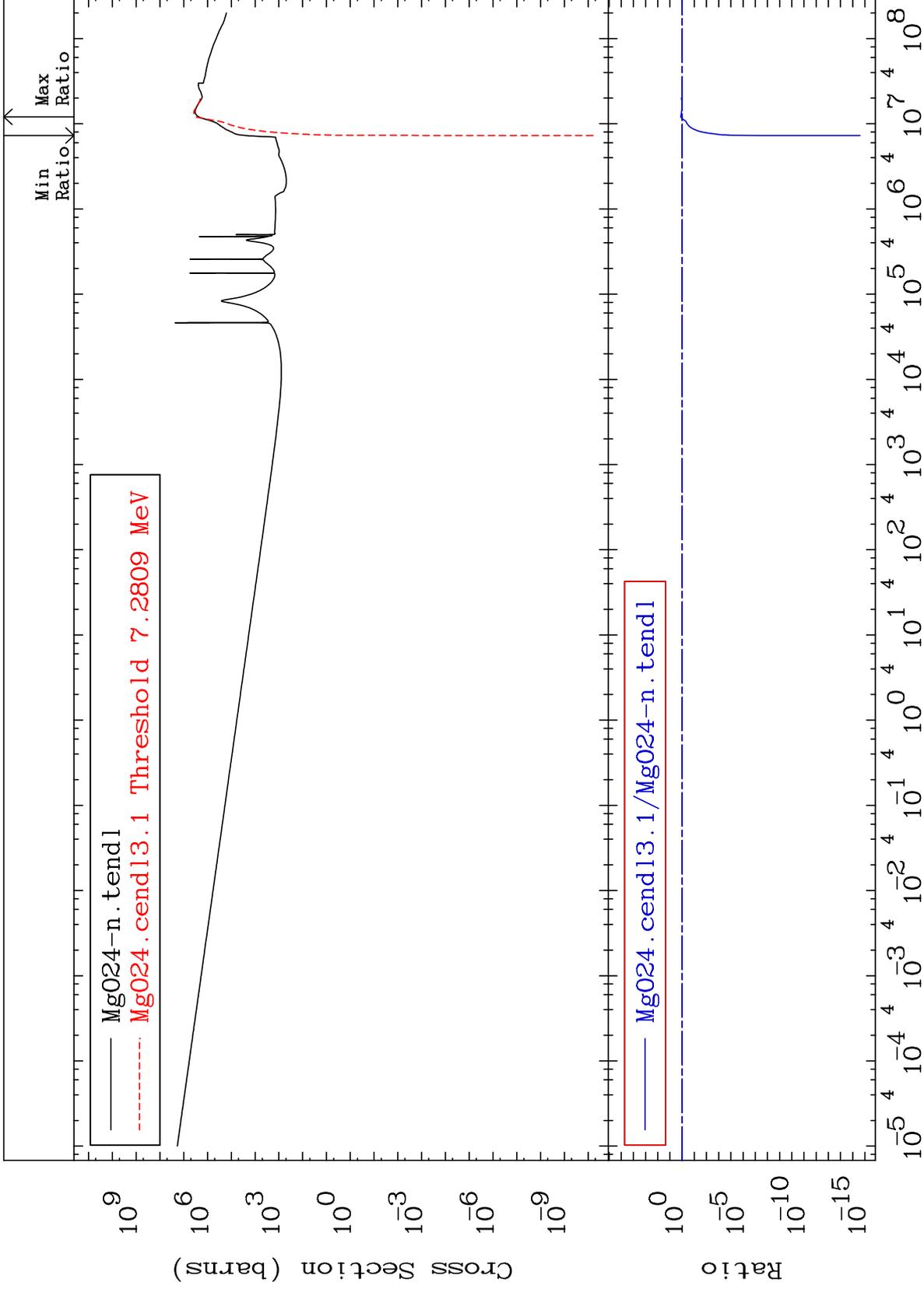
Incident Energy (eV)

12-Mg-24

MAT 1225

Total photon (eV-barns)  
Cross Section

12-Mg-24  
-100.0 To 29.62 %



45

Incident Energy (eV)

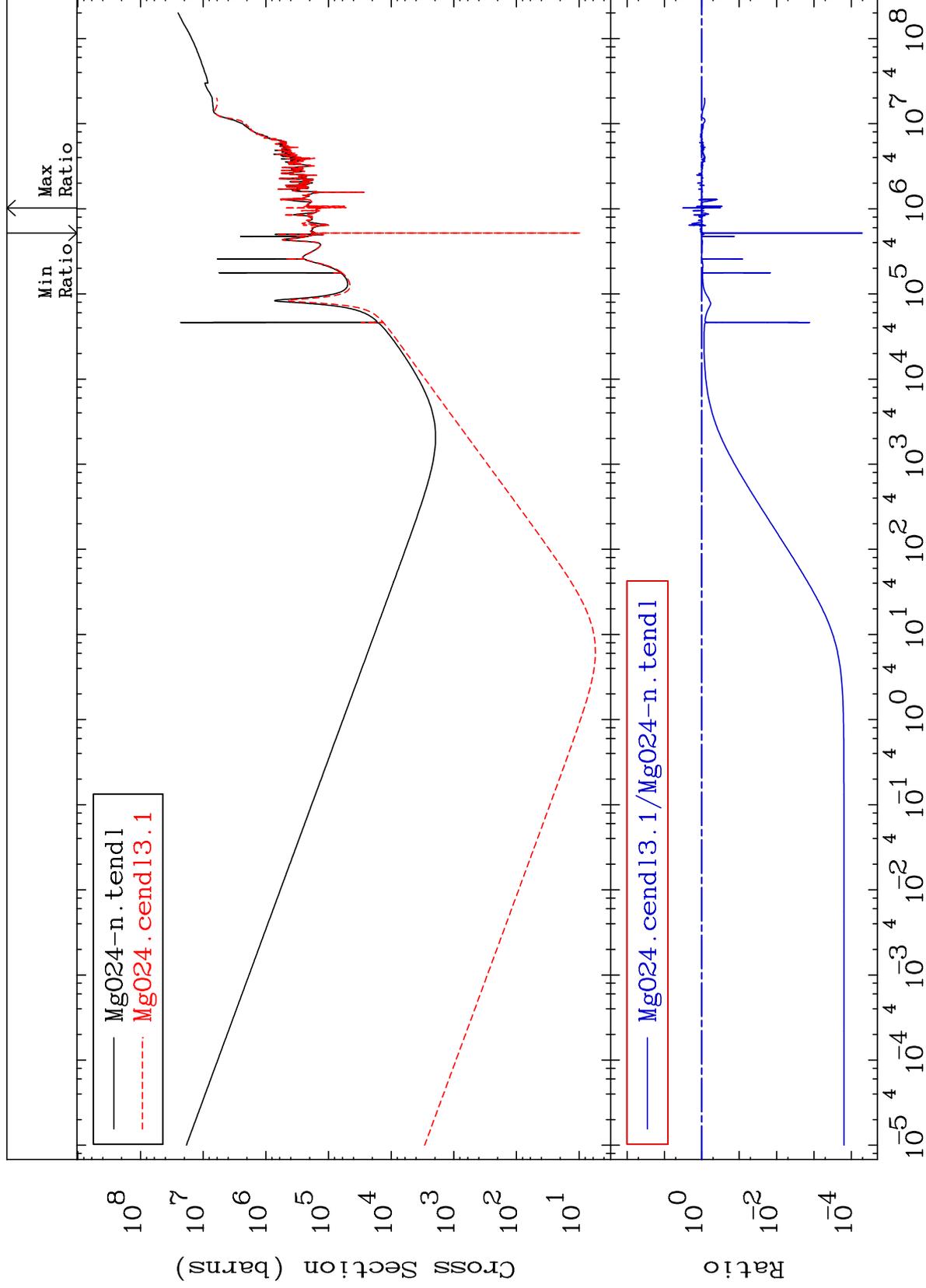
12-Mg-24

MAT 1225

Total kinematic kerma (high limit)  
Cross Section

12-Mg-24

-99.99 To 217.4 %

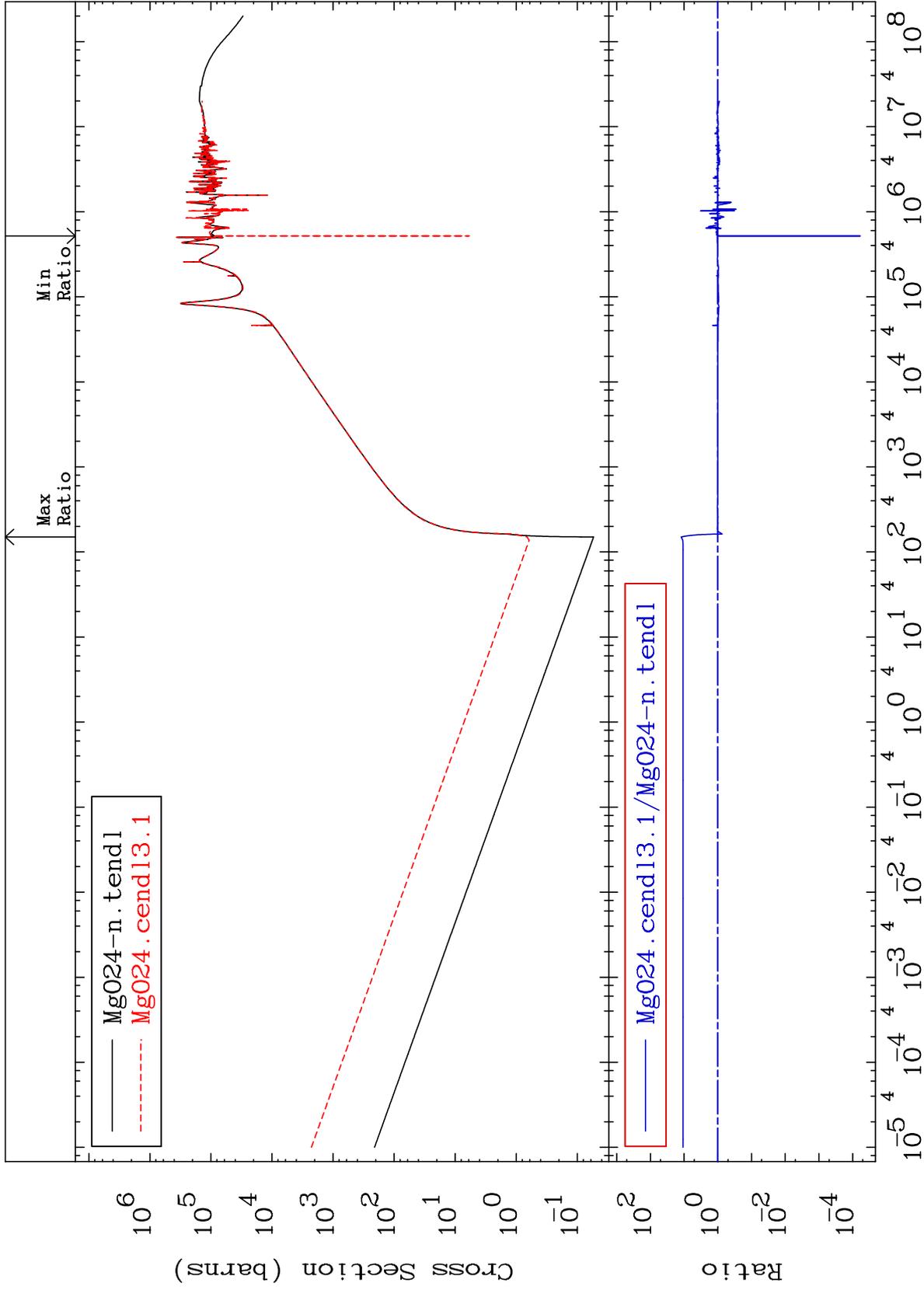


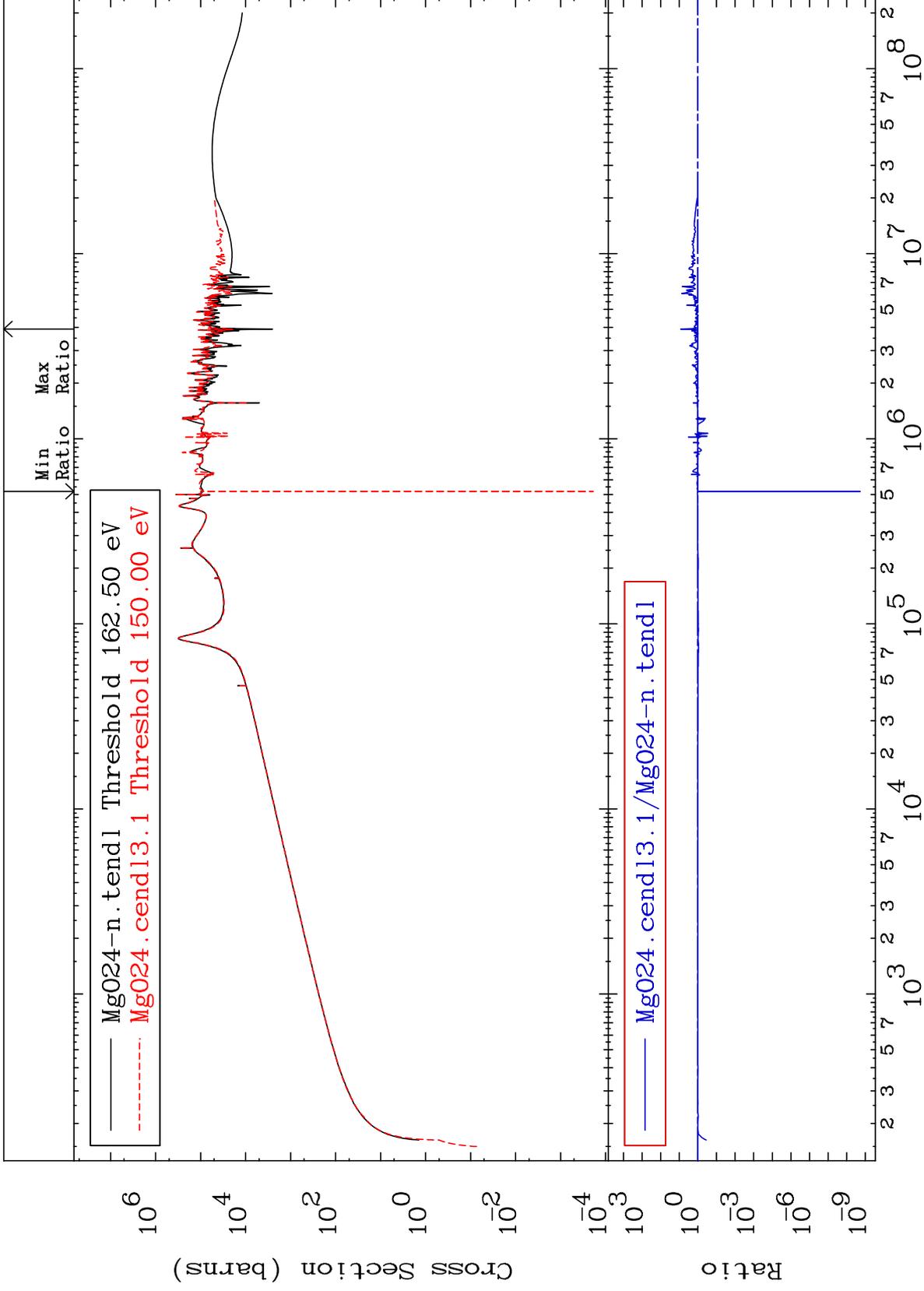
46

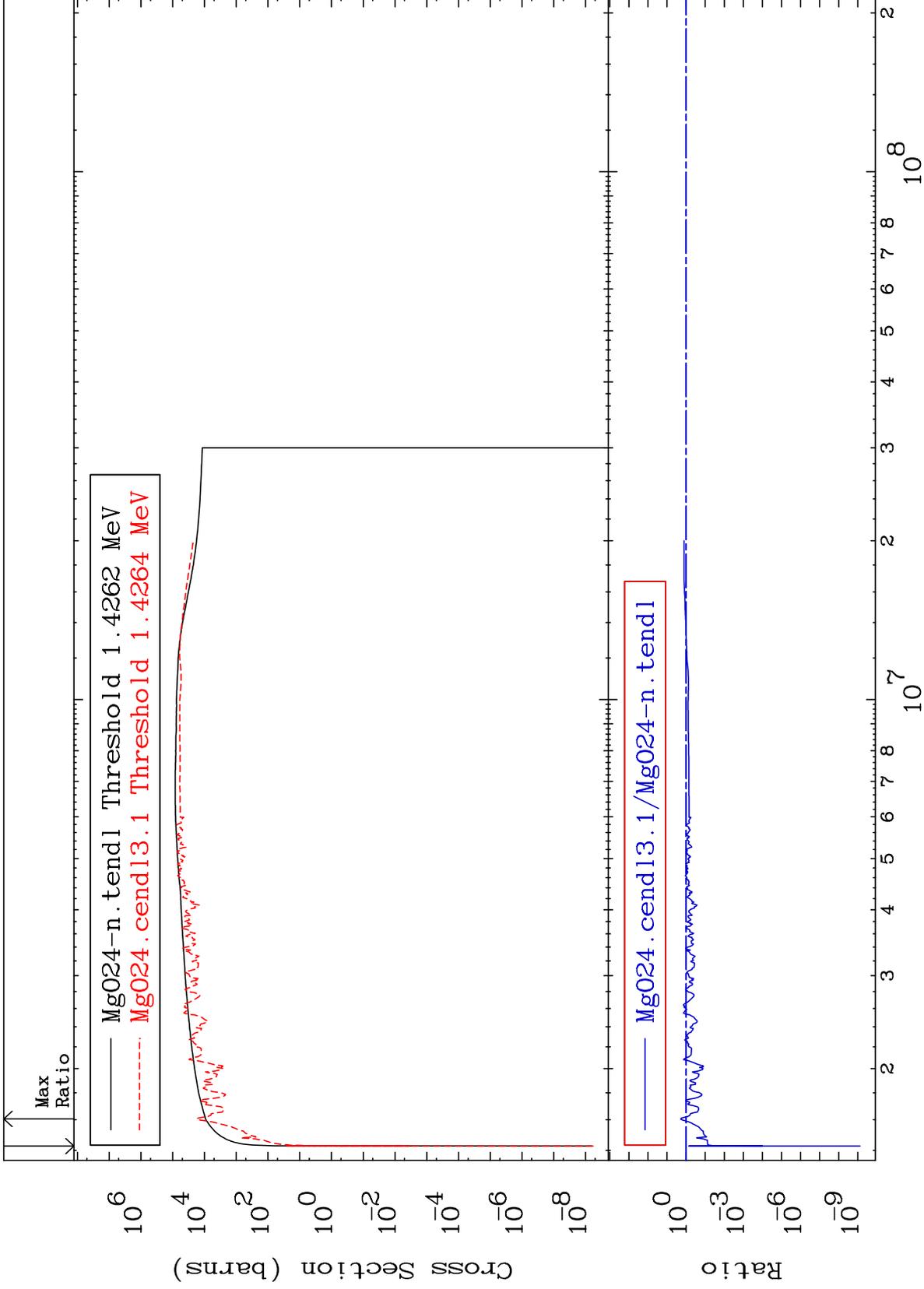
Incident Energy (eV)

12-Mg-24

-99.99 To 1121. %



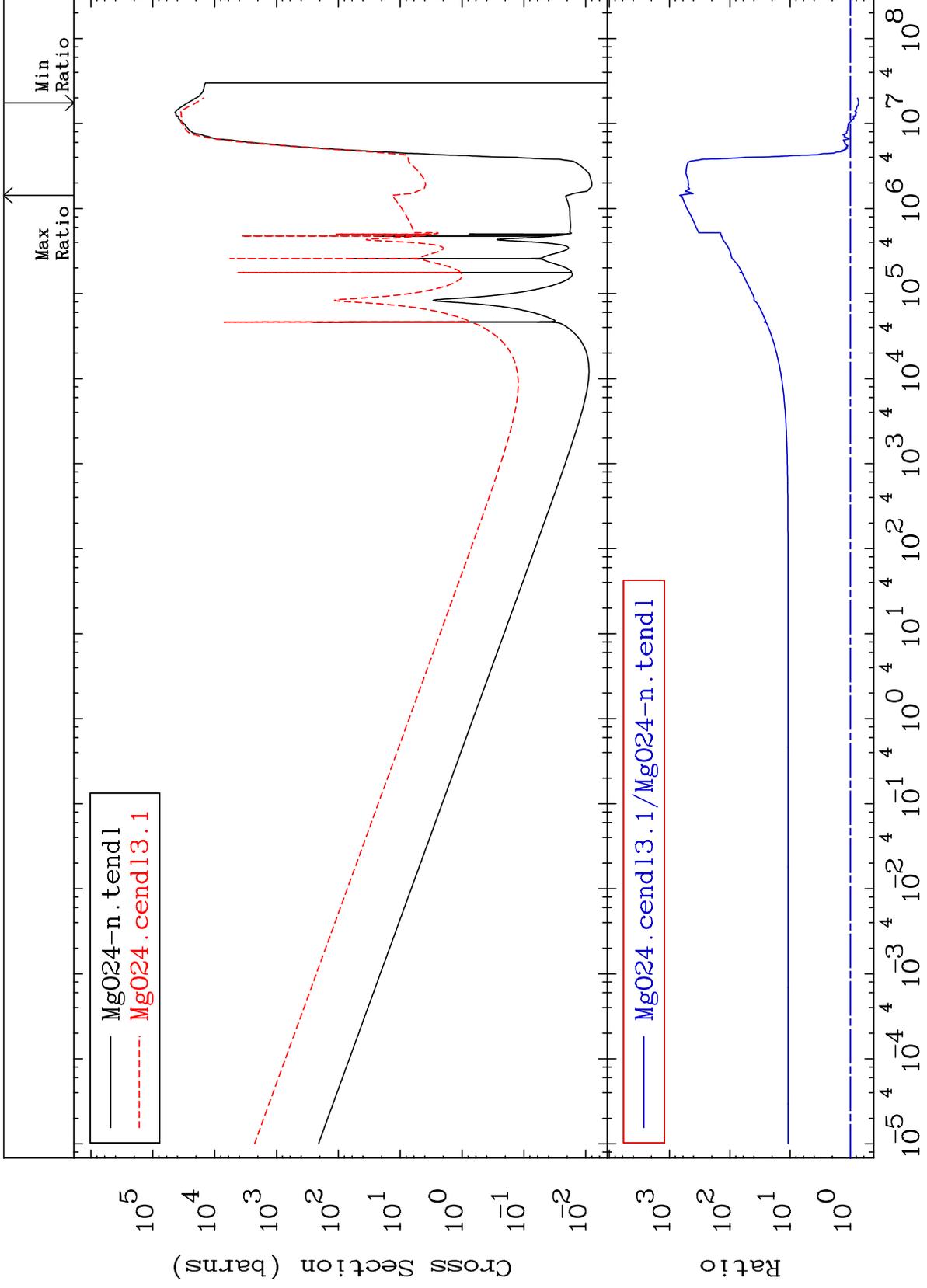




MAT 1225

Dpa disappearance (mt102 -120)  
Cross Section

12-Mg-24  
-26.68 To 9999. %



50

Incident Energy (eV)

12-Mg-24