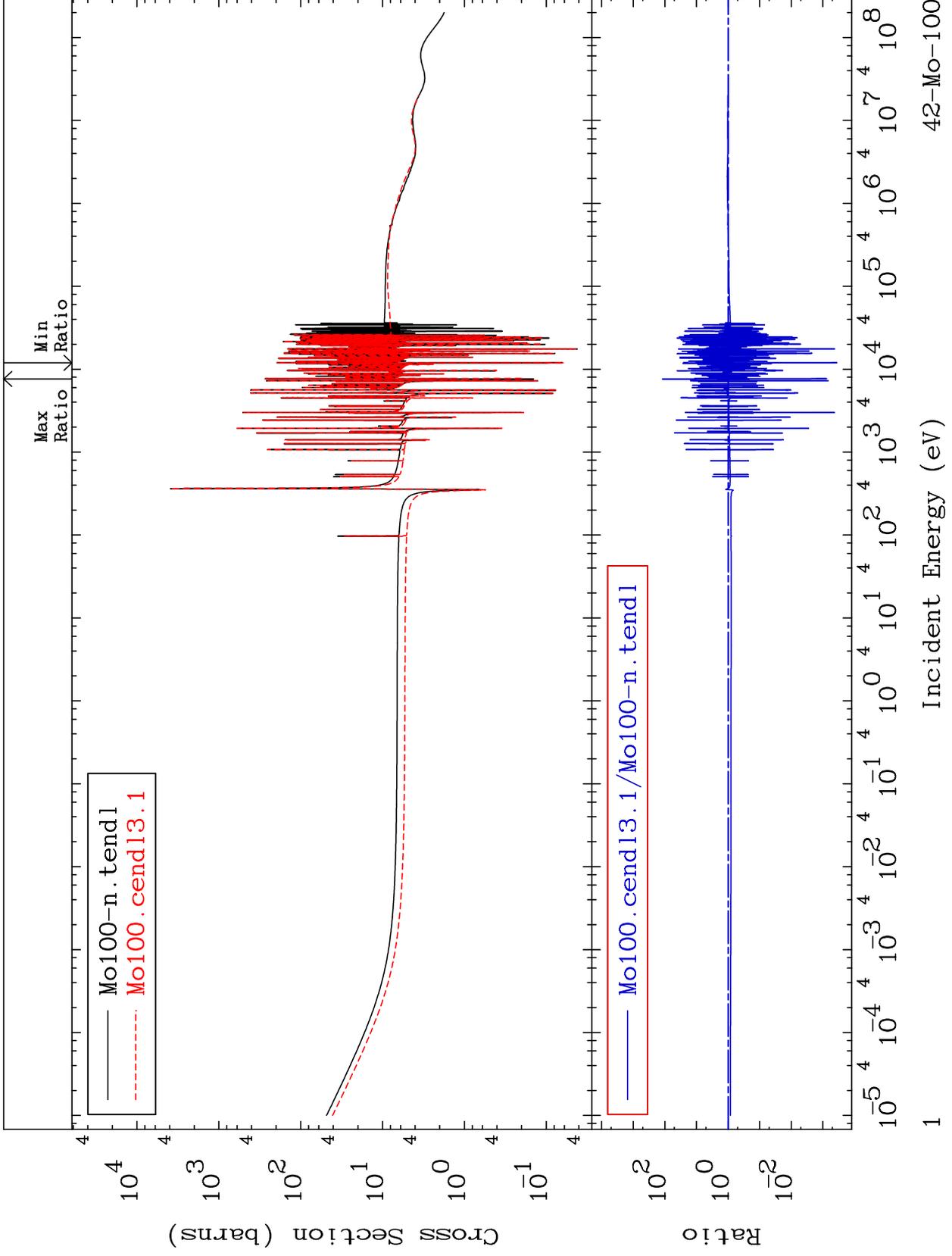


MAT 4249

Total  
Cross Section

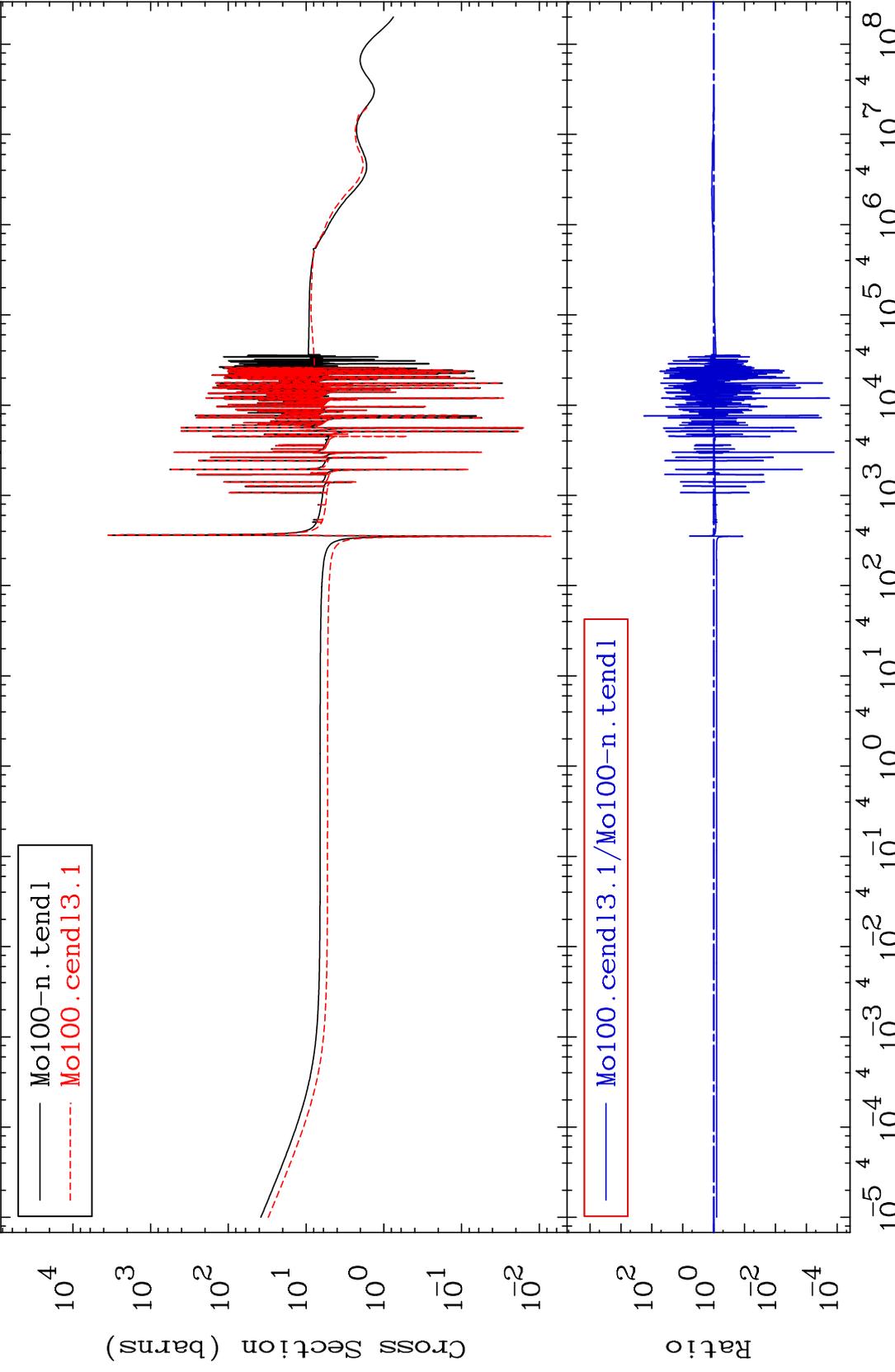
42-Mo-100  
-99.96 To 9999. %



MAT 4249

Elastic  
Cross Section

42-Mo-100  
-99.99 To 9999. %



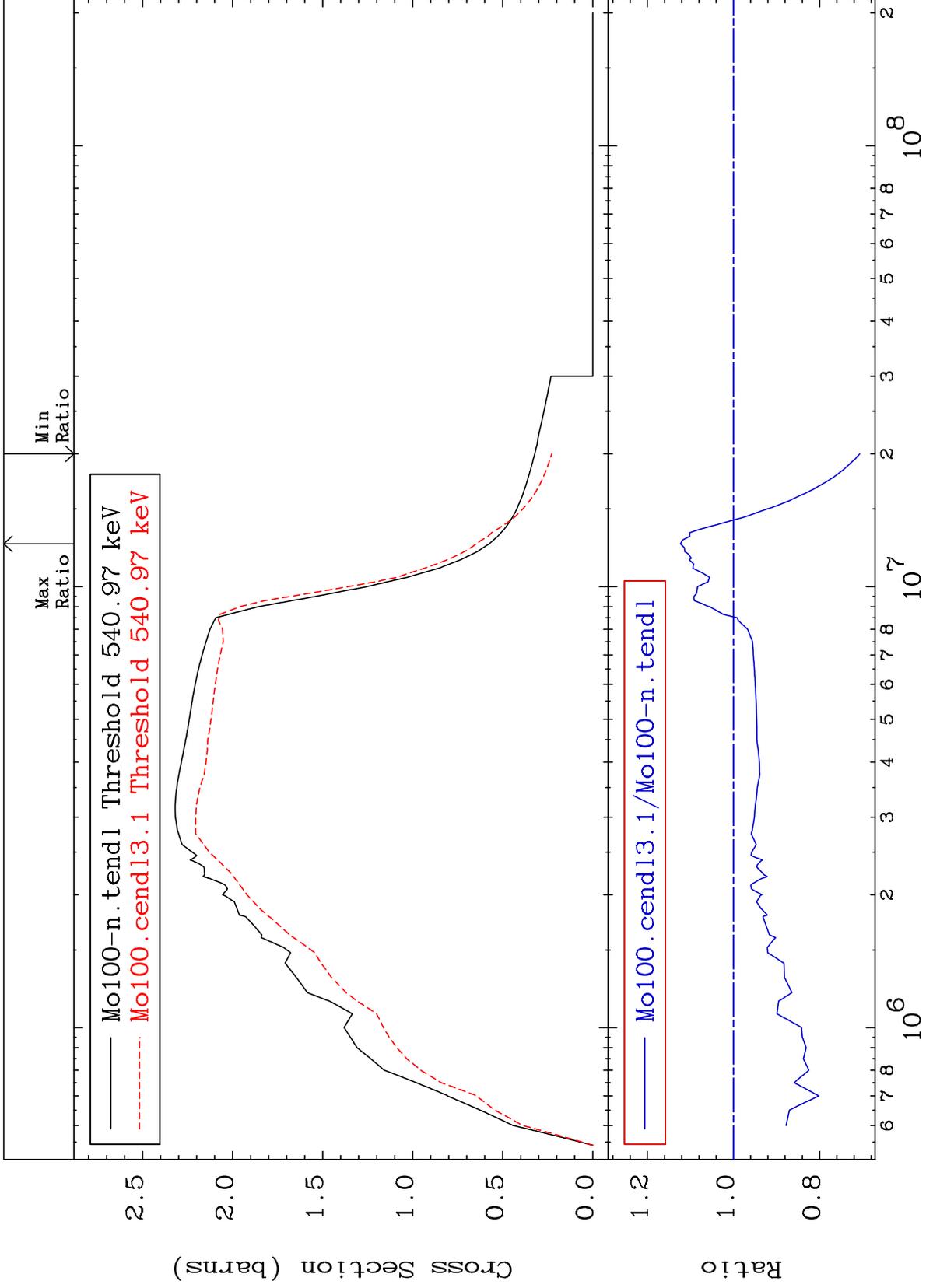
2

Incident Energy (eV)

42-Mo-100

MAT 4249

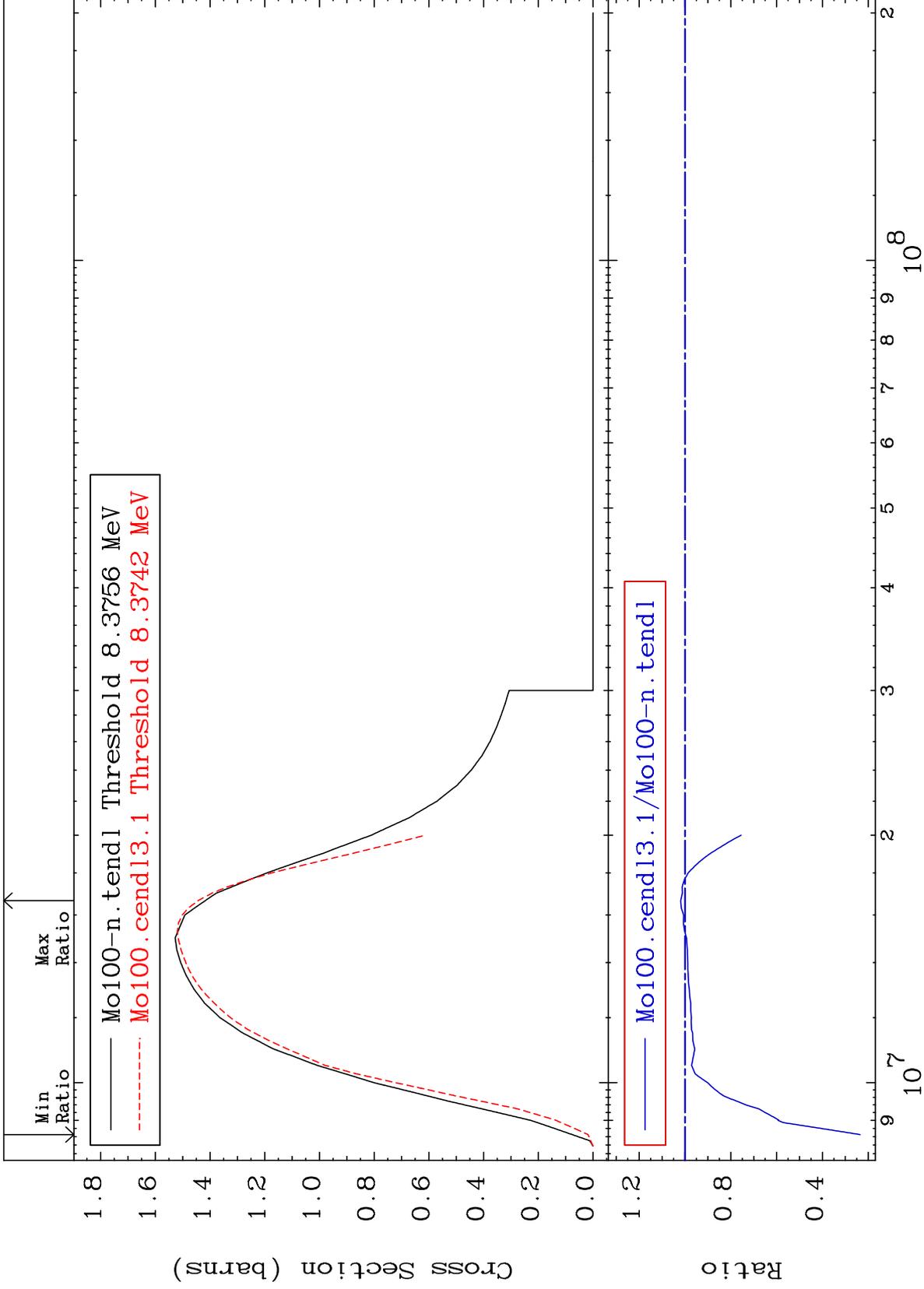
Inelastic Cross Section  
42-Mo-100  
-29.33 To 12.29 %



MAT 4249

(n,2n)  
Cross Section

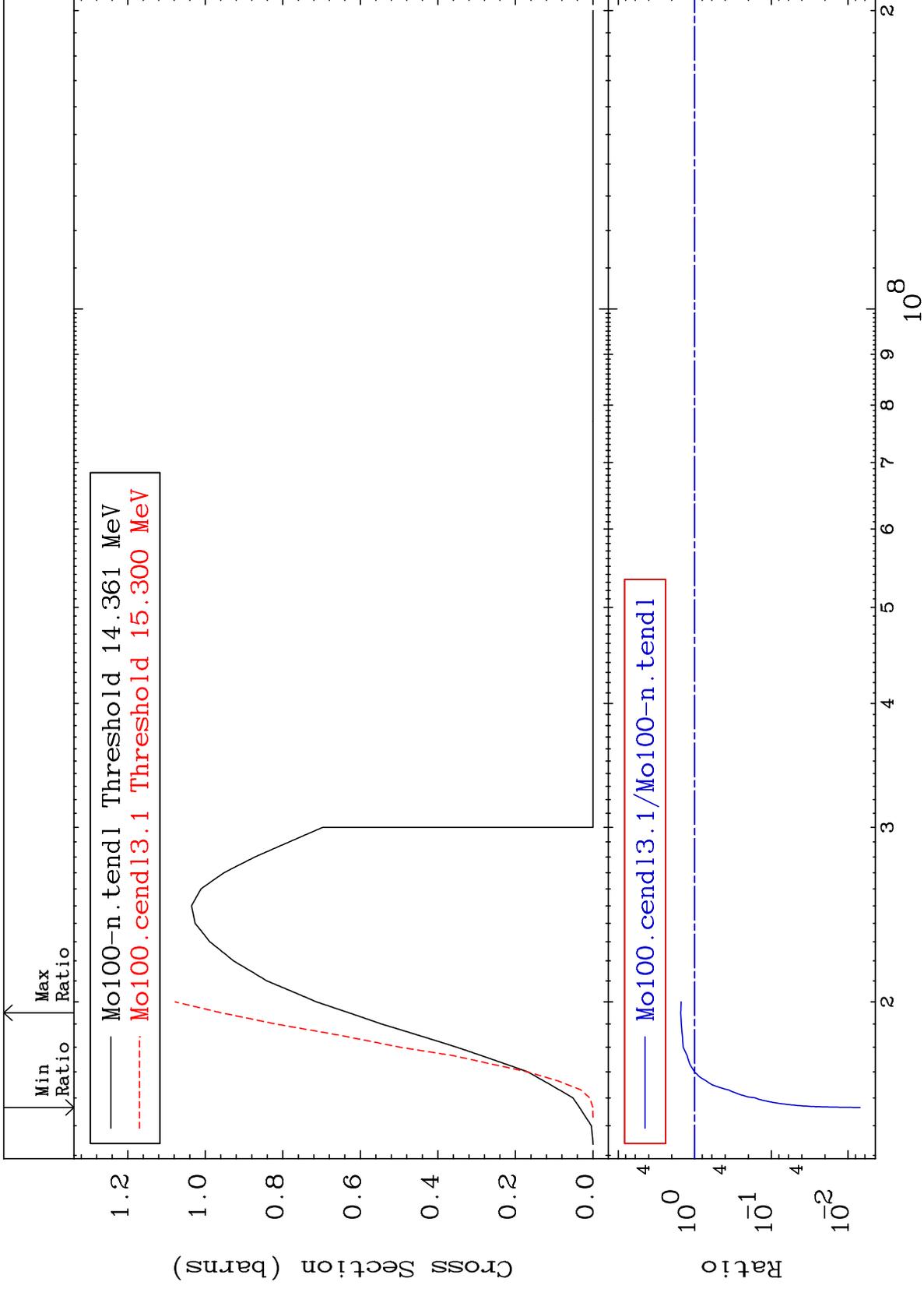
42-Mo-100  
-76.44 To 1.841 %



4

Incident Energy (eV)

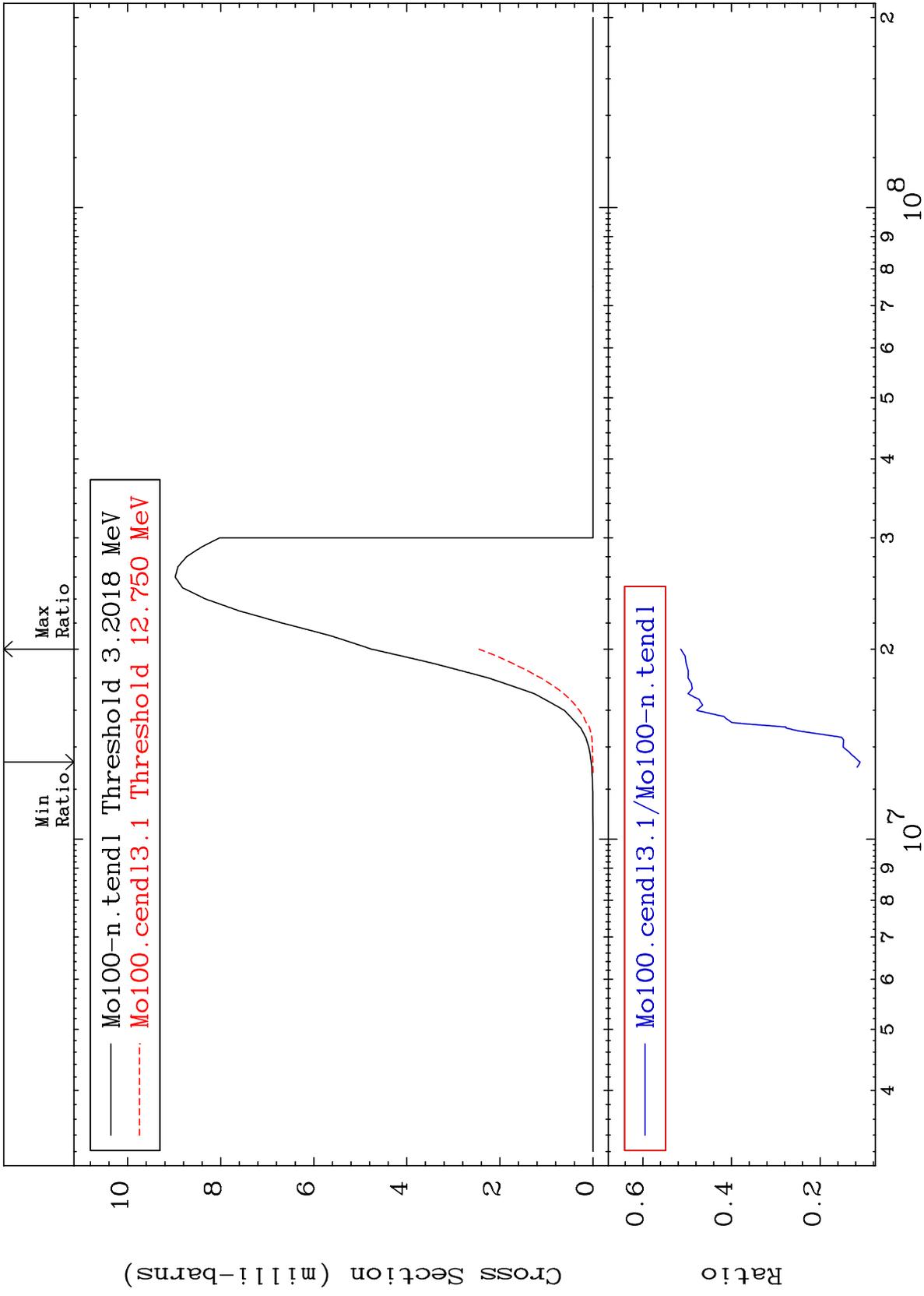
42-Mo-100



MAT 4249

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

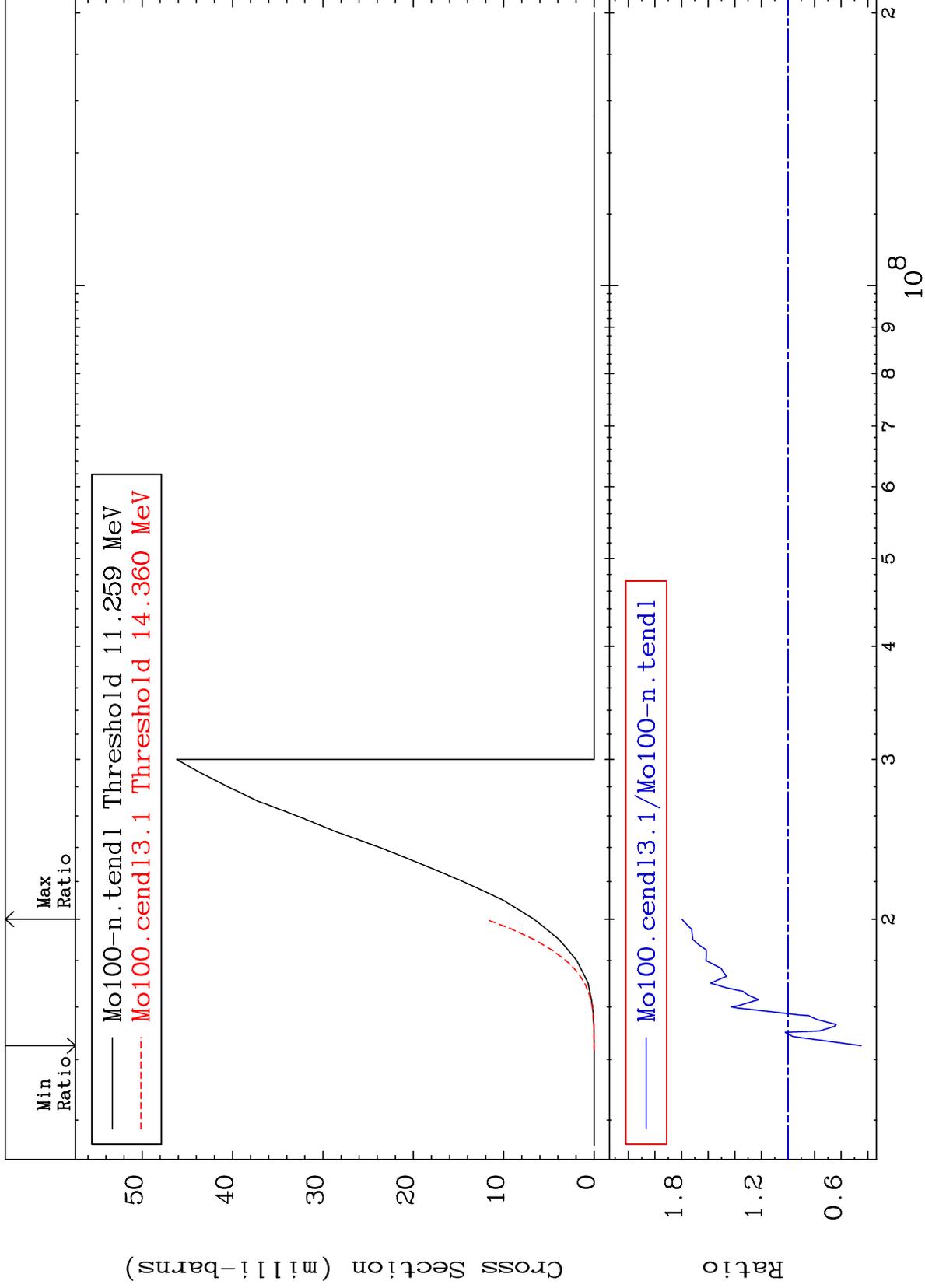
42-Mo-100  
-88.99 To -48.56%



MAT 4249

(n,n') p  
Cross Section

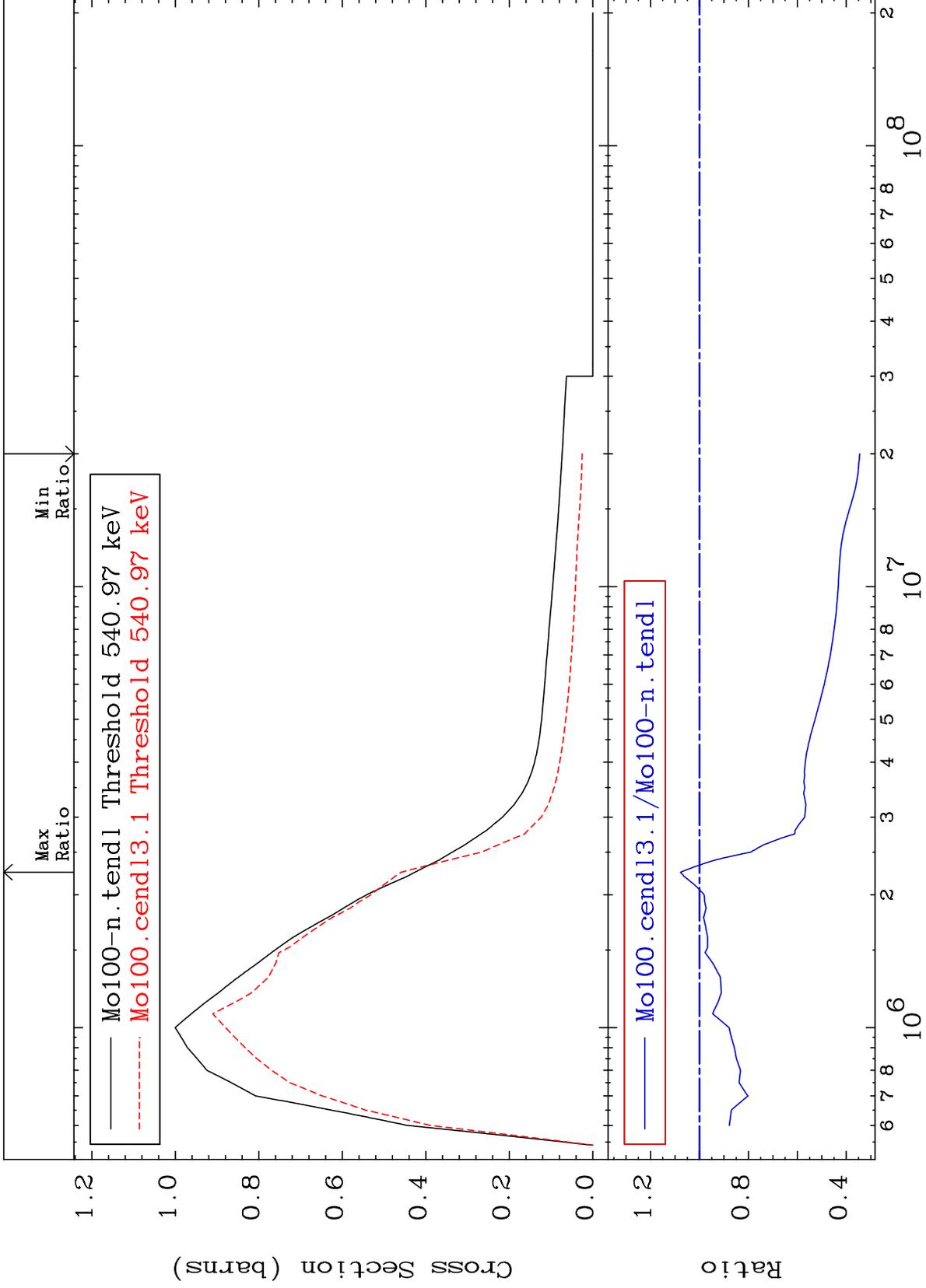
42-Mo-100  
-55.02 To 79.77 %



MAT 4249

535.6 keV (n,n') Level  
Cross Section

42-Mo-100  
-65.51 To 7.754 %



8

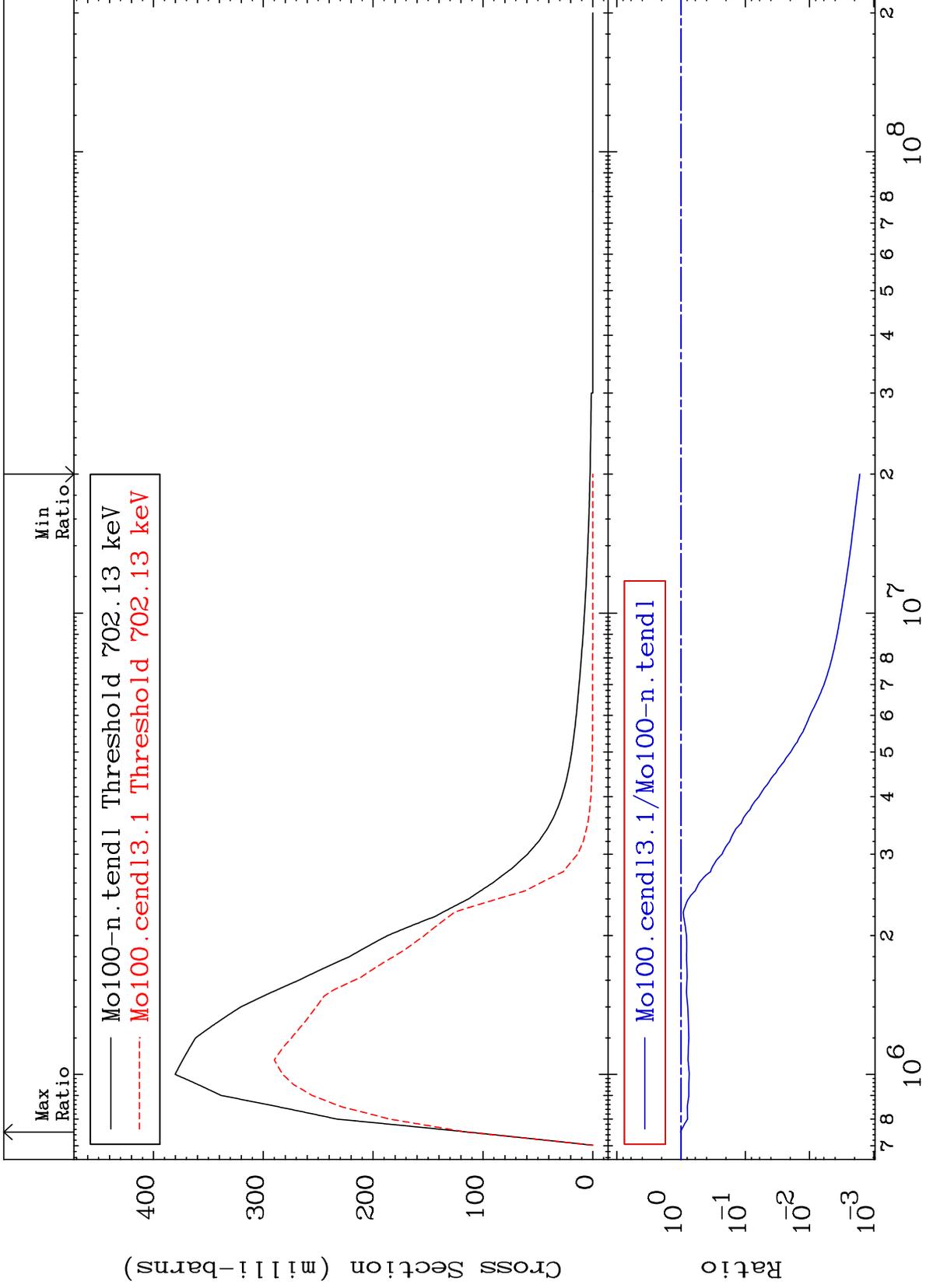
Incident Energy (eV)

42-Mo-100

MAT 4249

695.1 keV (n,n') Level  
Cross Section

42-Mo-100  
-99.83 To 1.819 %



9

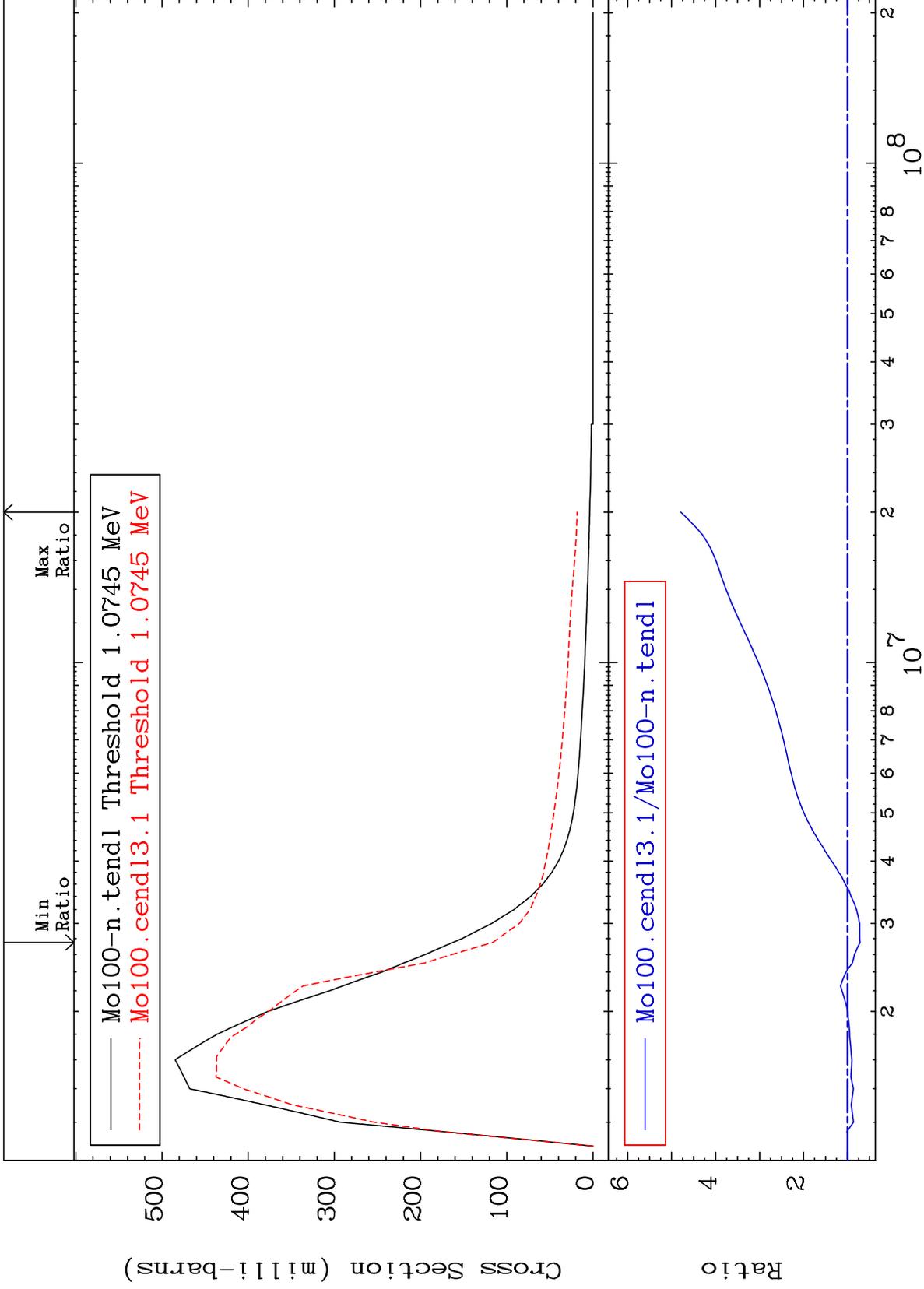
Incident Energy (eV)

42-Mo-100

MAT 4249

1.064 MeV (n,n') Level  
Cross Section

42-Mo-100  
-28.48 To 379.2 %



10

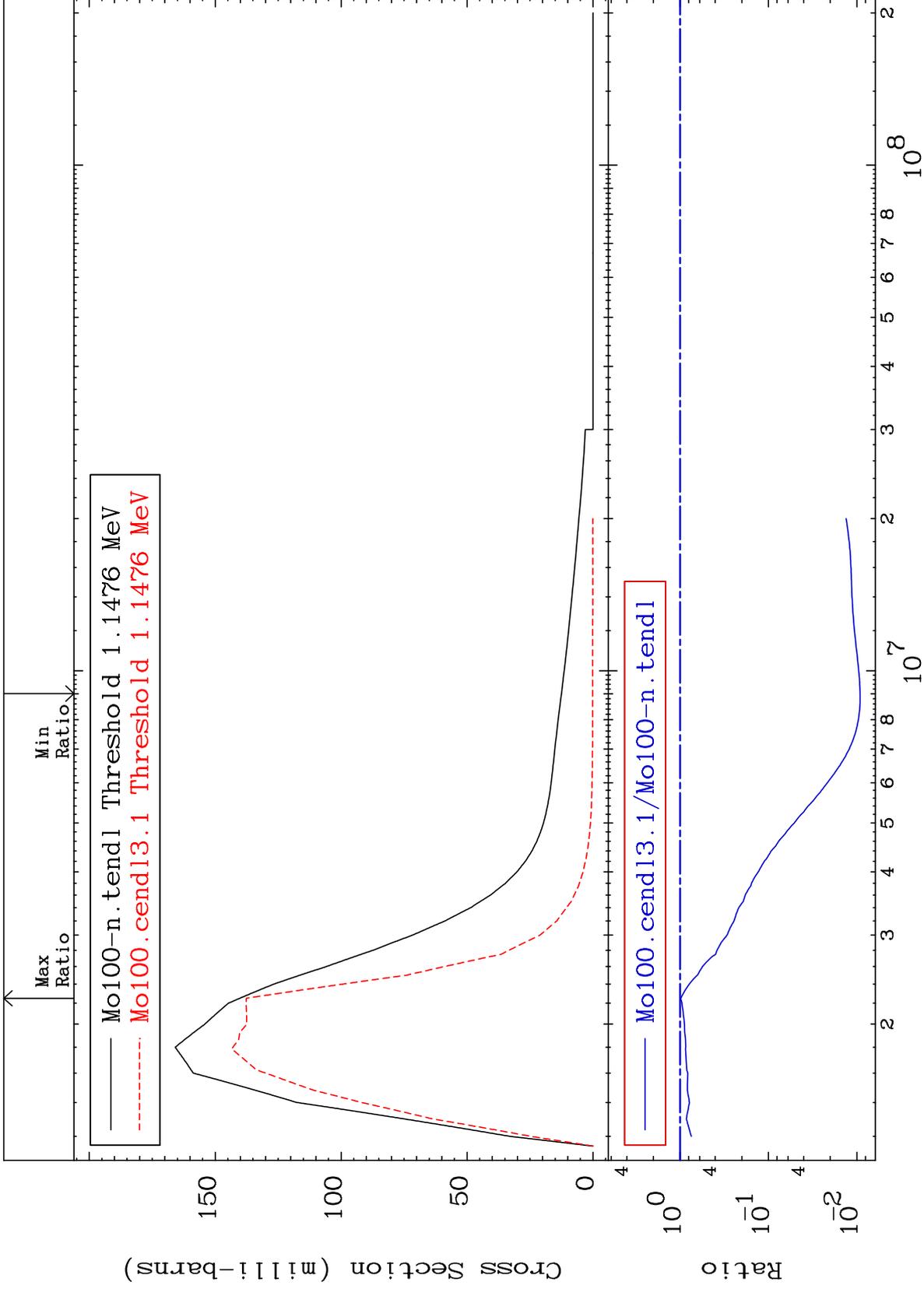
Incident Energy (eV)

42-Mo-100

MAT 4249

1.136 MeV (n,n') Level  
Cross Section

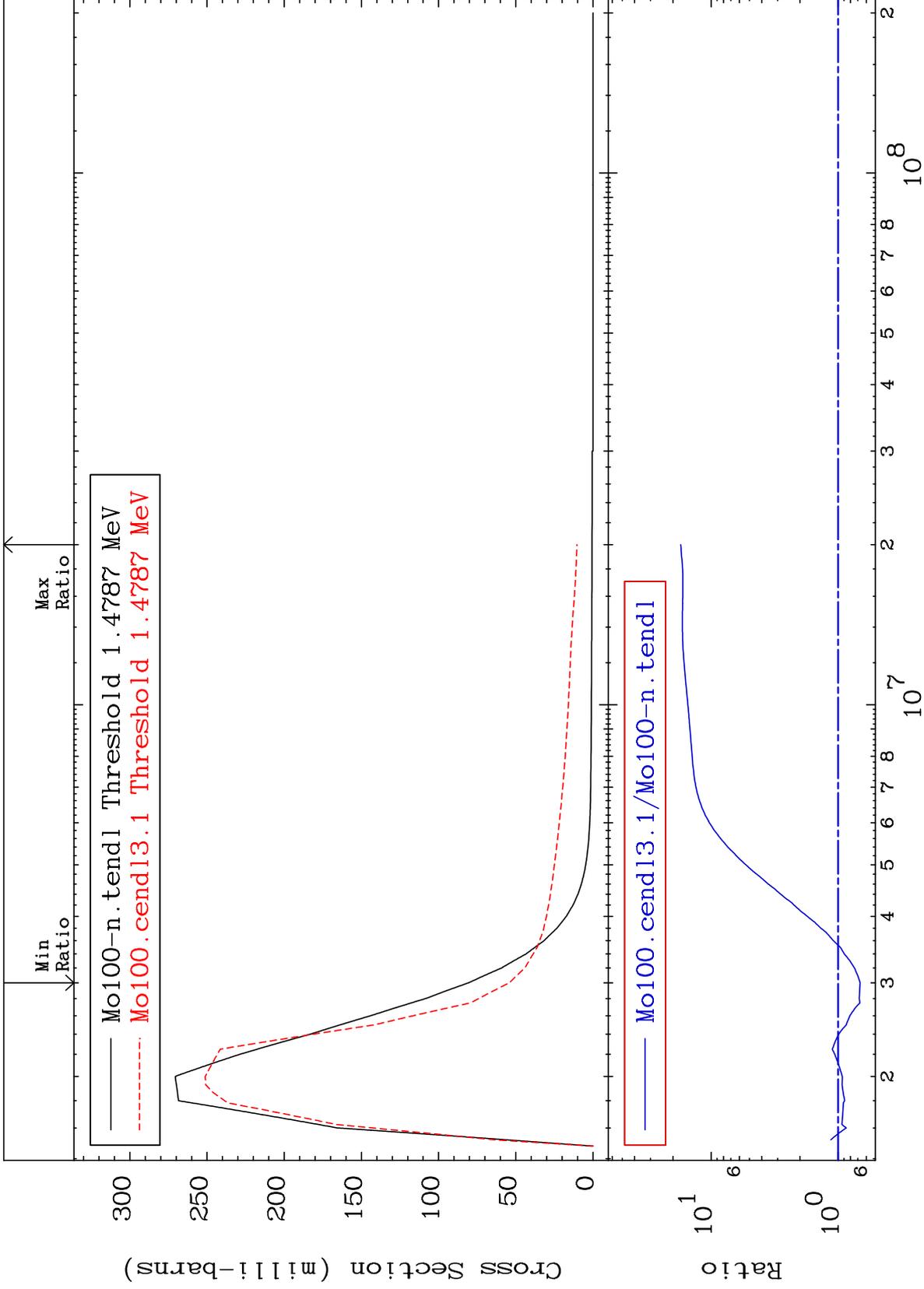
42-Mo-100  
-99.08 To -1.806%



MAT 4249

1.464 MeV (n,n') Level  
Cross Section

42-Mo-100  
-32.79 To 1634. %



12

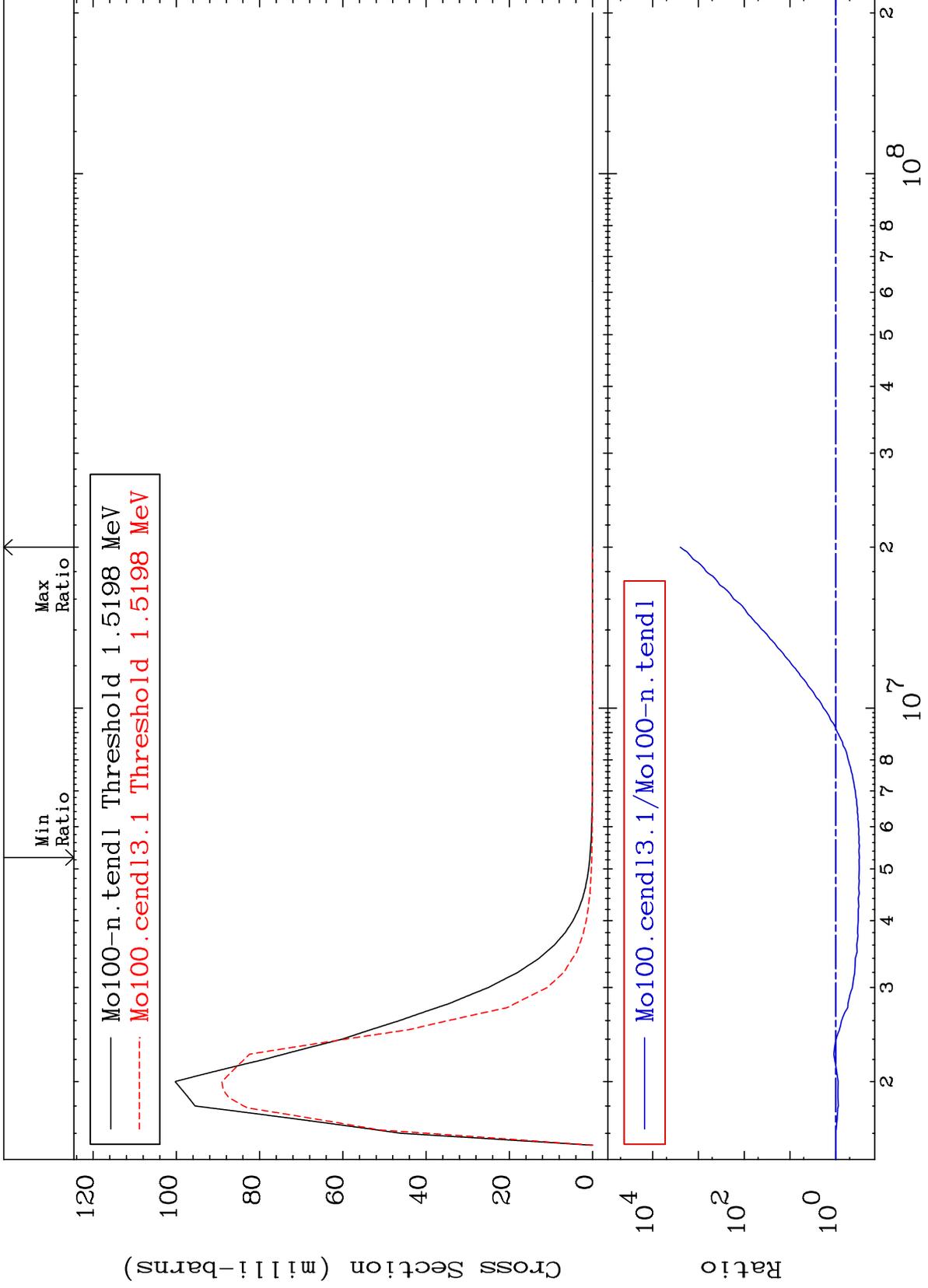
Incident Energy (eV)

42-Mo-100

MAT 4249

1.505 MeV (n,n') Level  
Cross Section

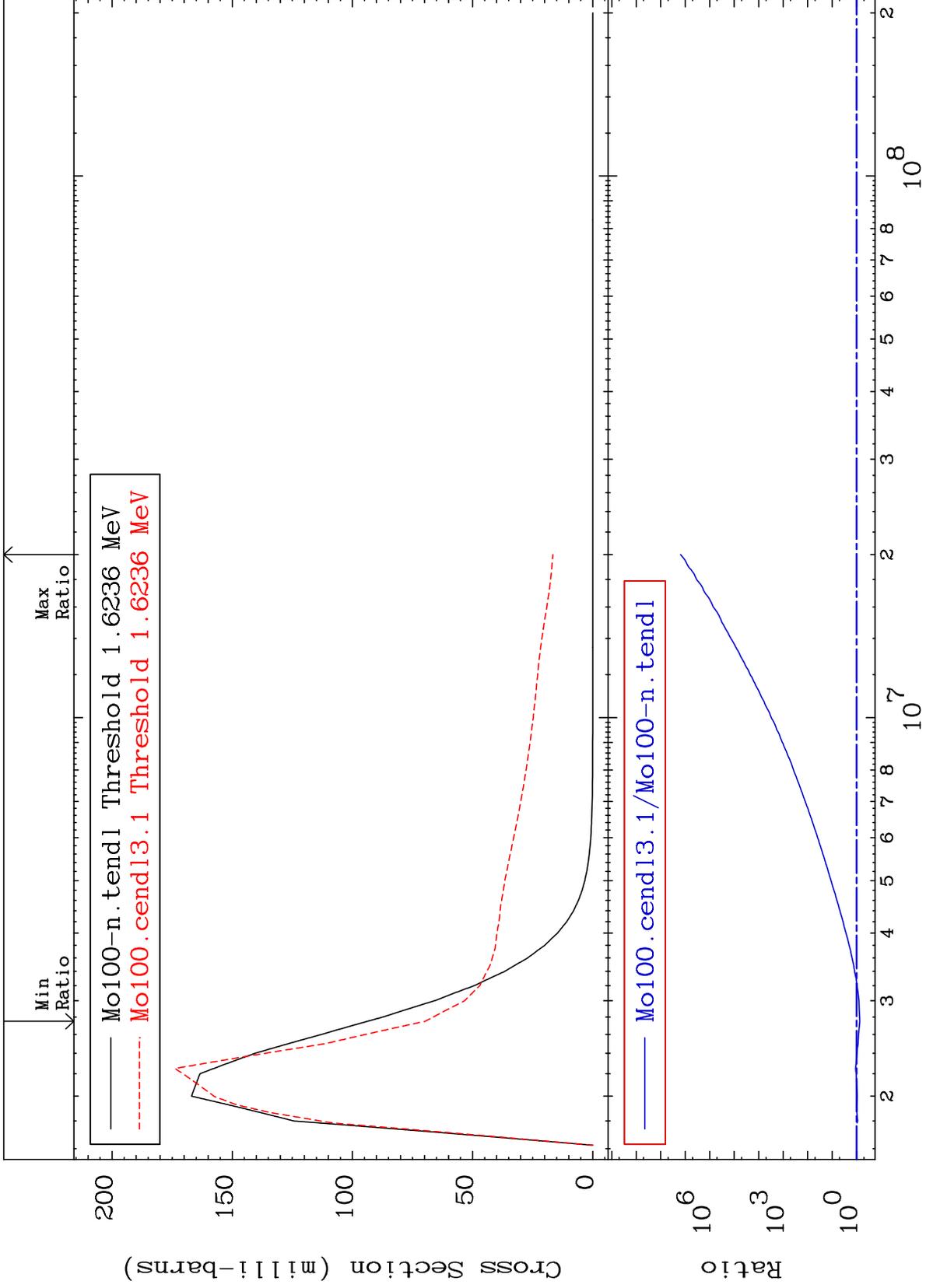
42-Mo-100  
-69.60 To 9999. %



MAT 4249

1.607 MeV (n,n') Level  
Cross Section

42-Mo-100  
-25.65 To 9999. %



14

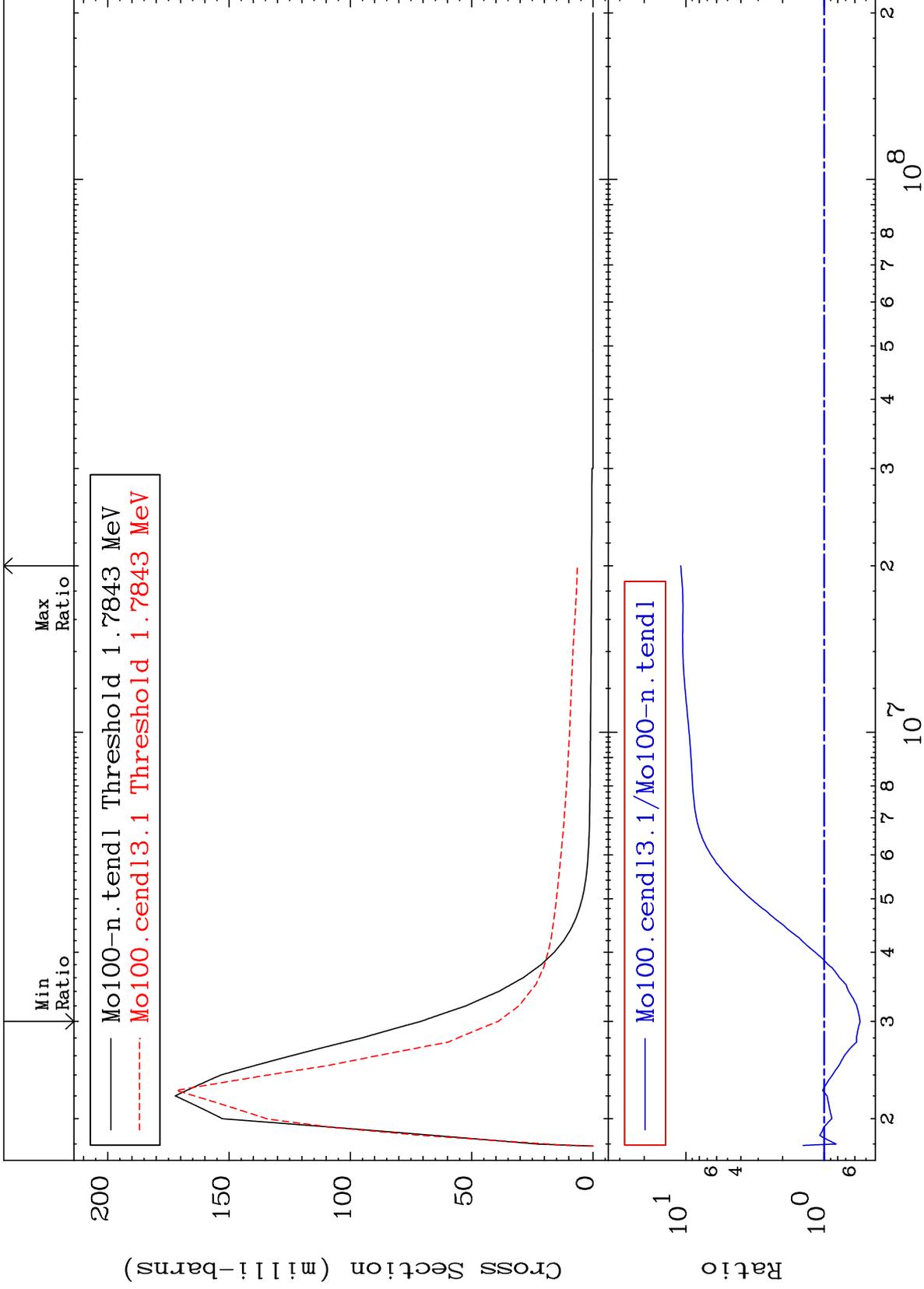
Incident Energy (eV)

42-Mo-100

MAT 4249

1.766 MeV (n,n') Level  
Cross Section

42-Mo-100  
-44.93 To 988.1 %



15

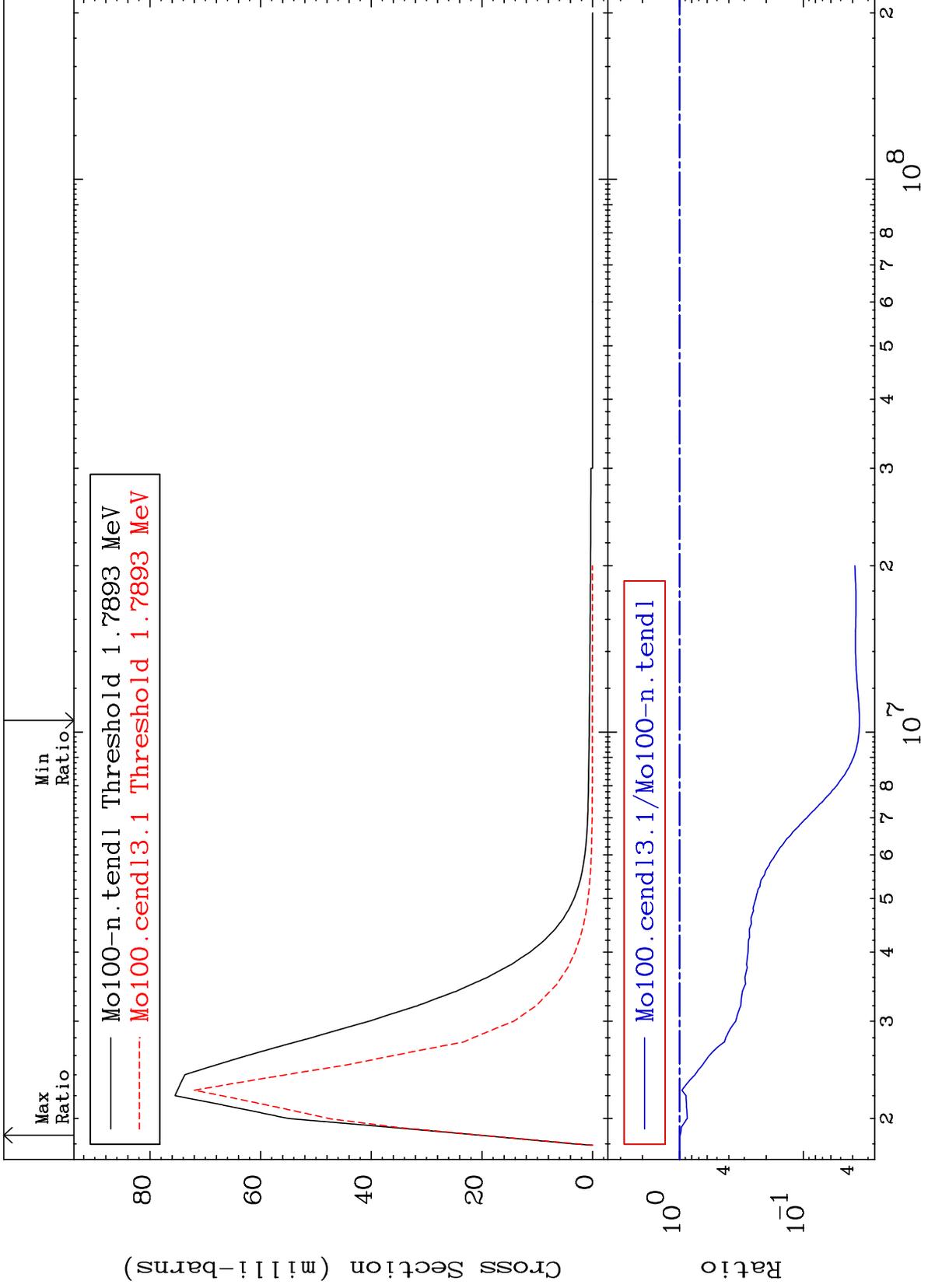
Incident Energy (eV)

42-Mo-100

MAT 4249

1.771 MeV (n,n') Level  
Cross Section

42-Mo-100  
-96.48 To -1.114%



16

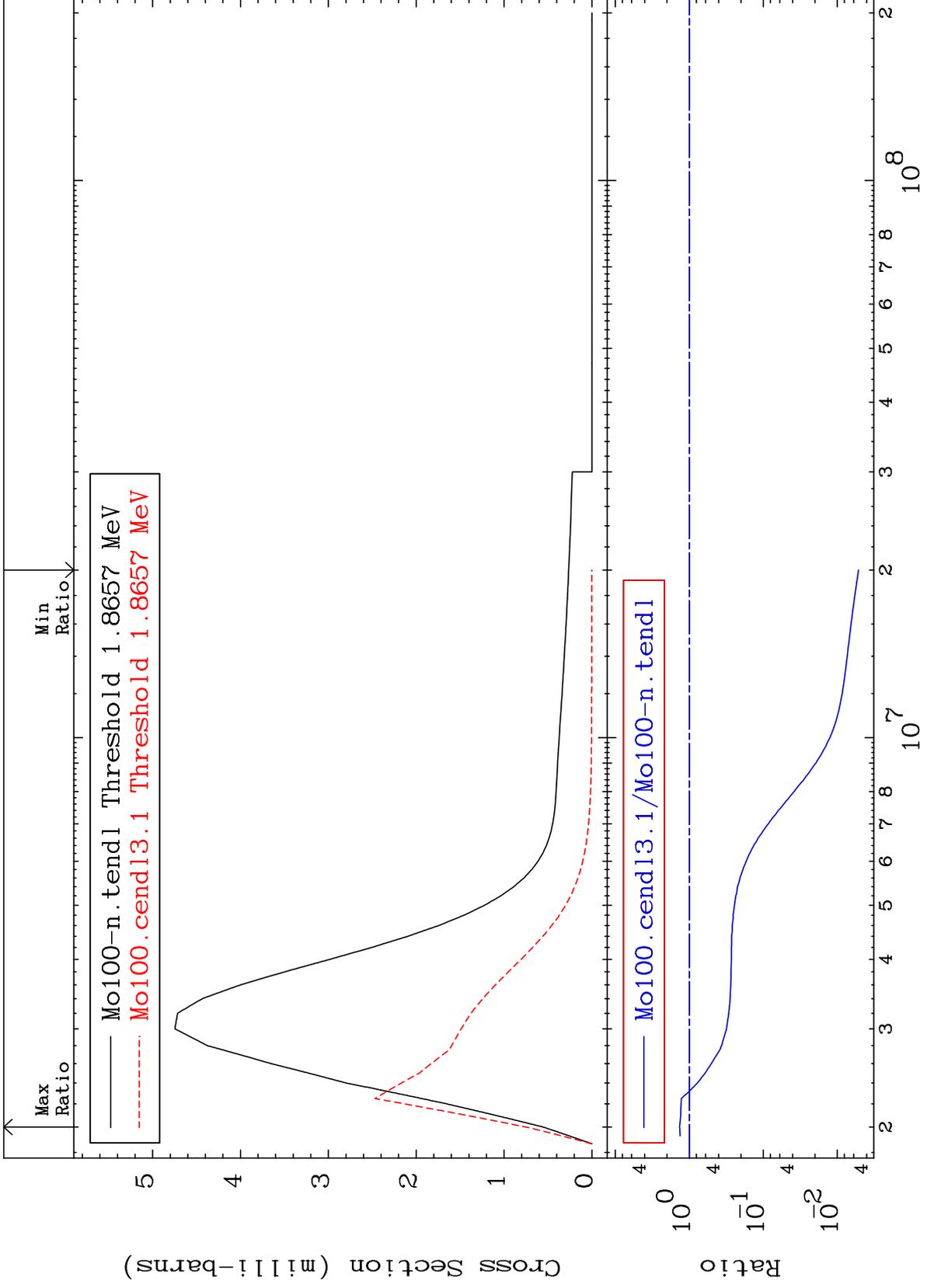
Incident Energy (eV)

42-Mo-100

MAT 4249

1.847 MeV (n,n') Level  
Cross Section

42-Mo-100  
-99.48 To 35.10 %



17

Incident Energy (eV)

42-Mo-100

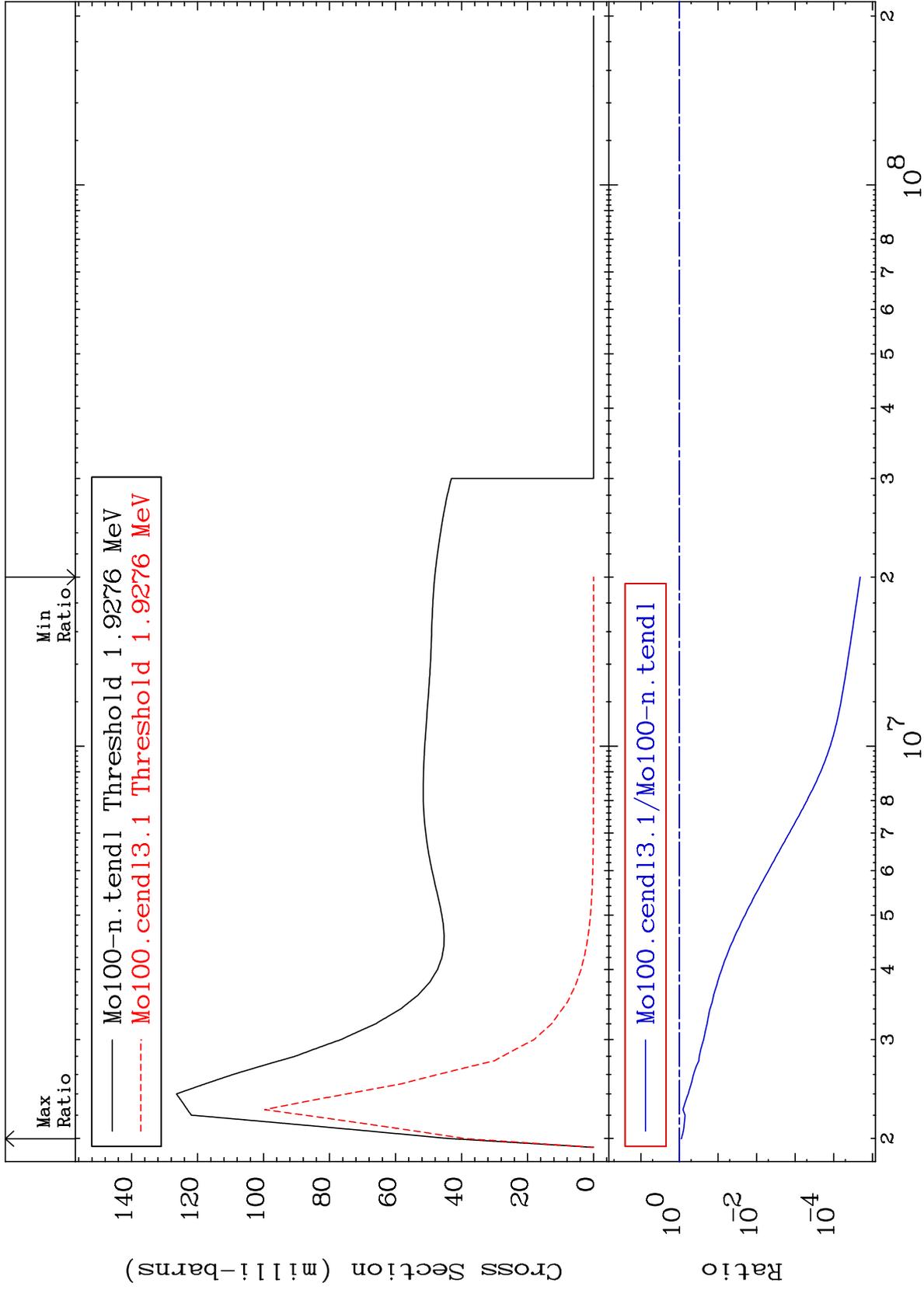
MAT 4249

1.908 MeV (n,n') Level

42-Mo-100

-100.0 To -9.661%

Cross Section



18

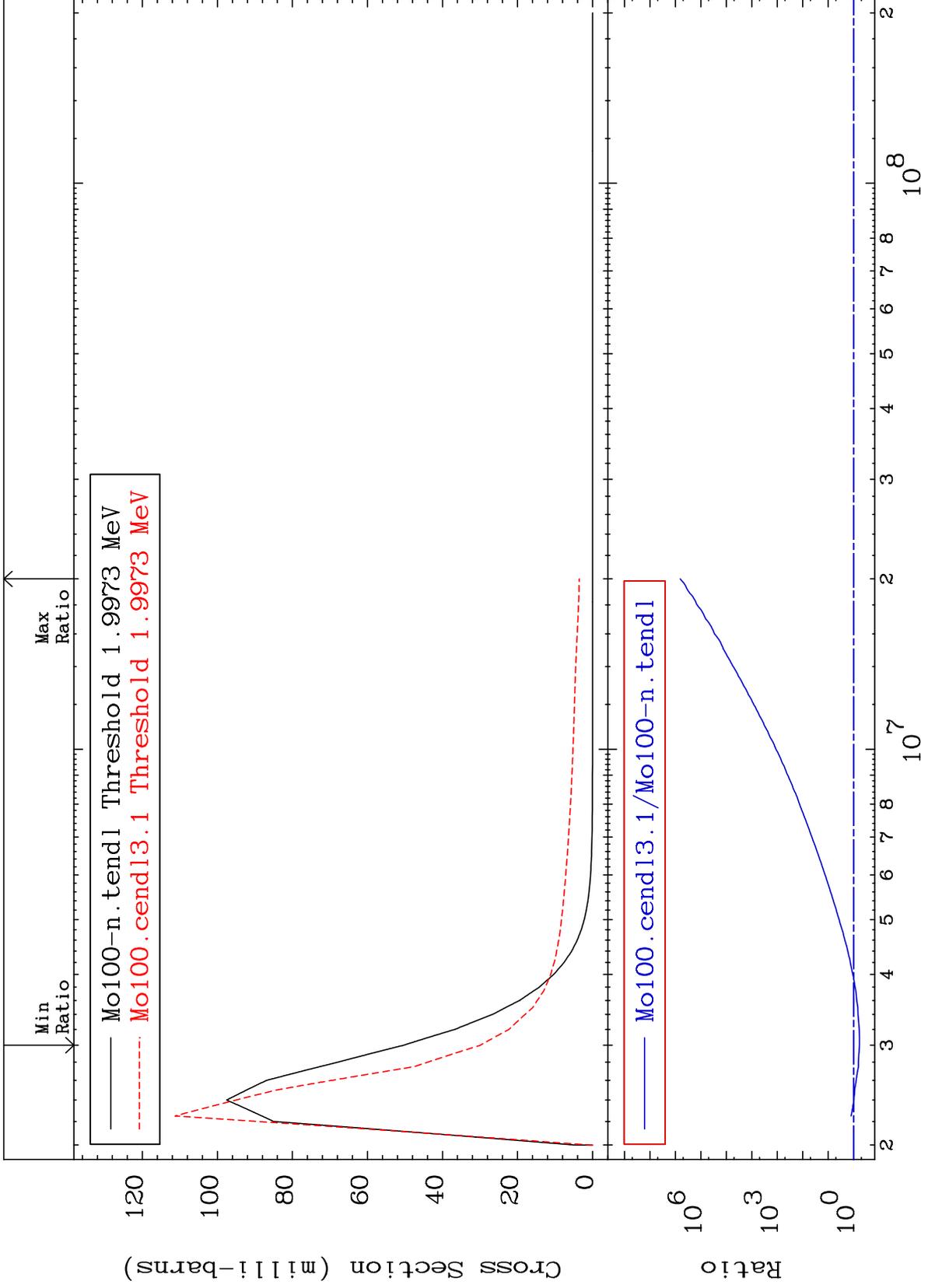
Incident Energy (eV)

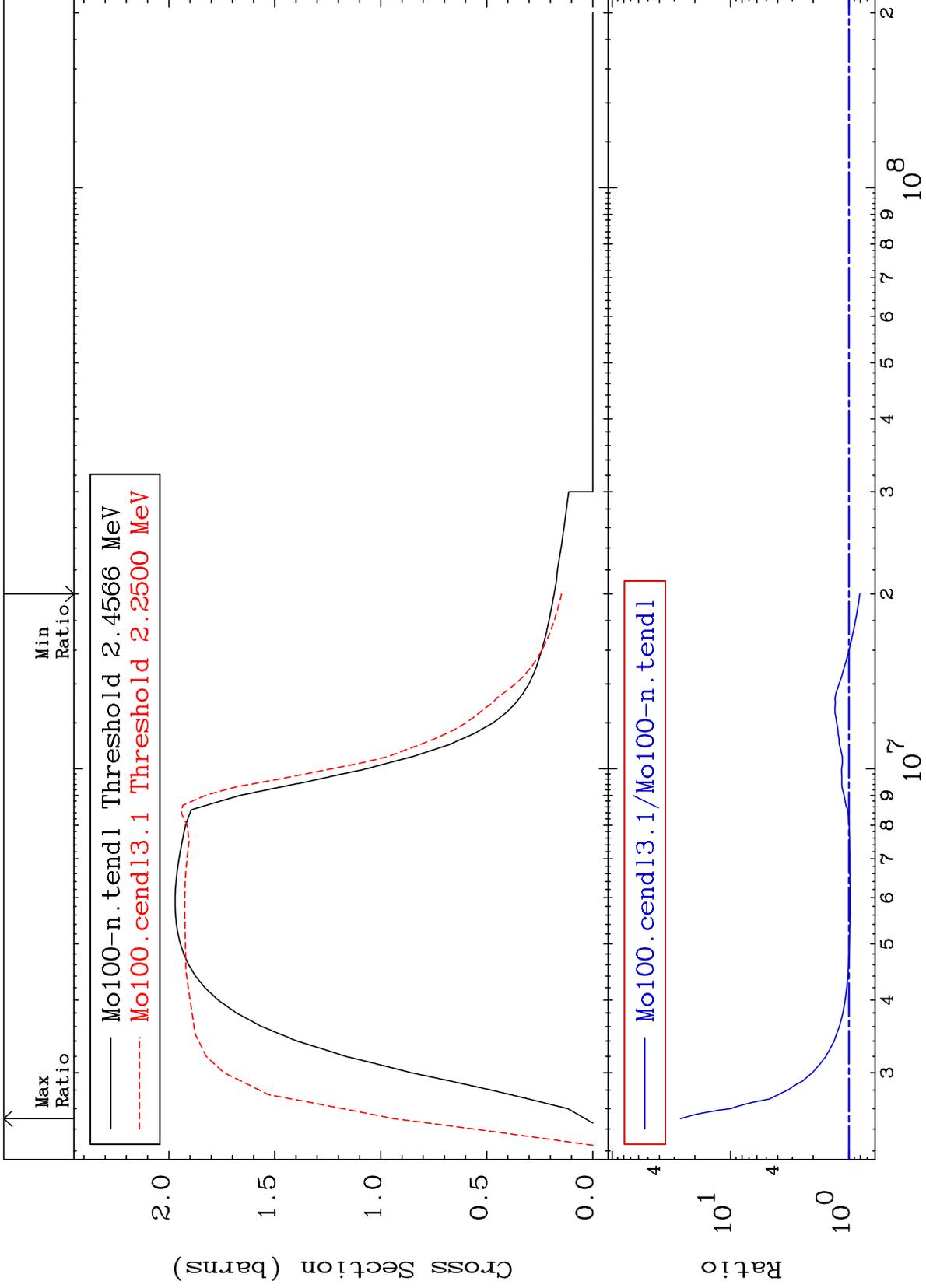
42-Mo-100

MAT 4249

1.977 MeV (n,n') Level  
Cross Section

42-Mo-100  
-40.63 To 9999. %





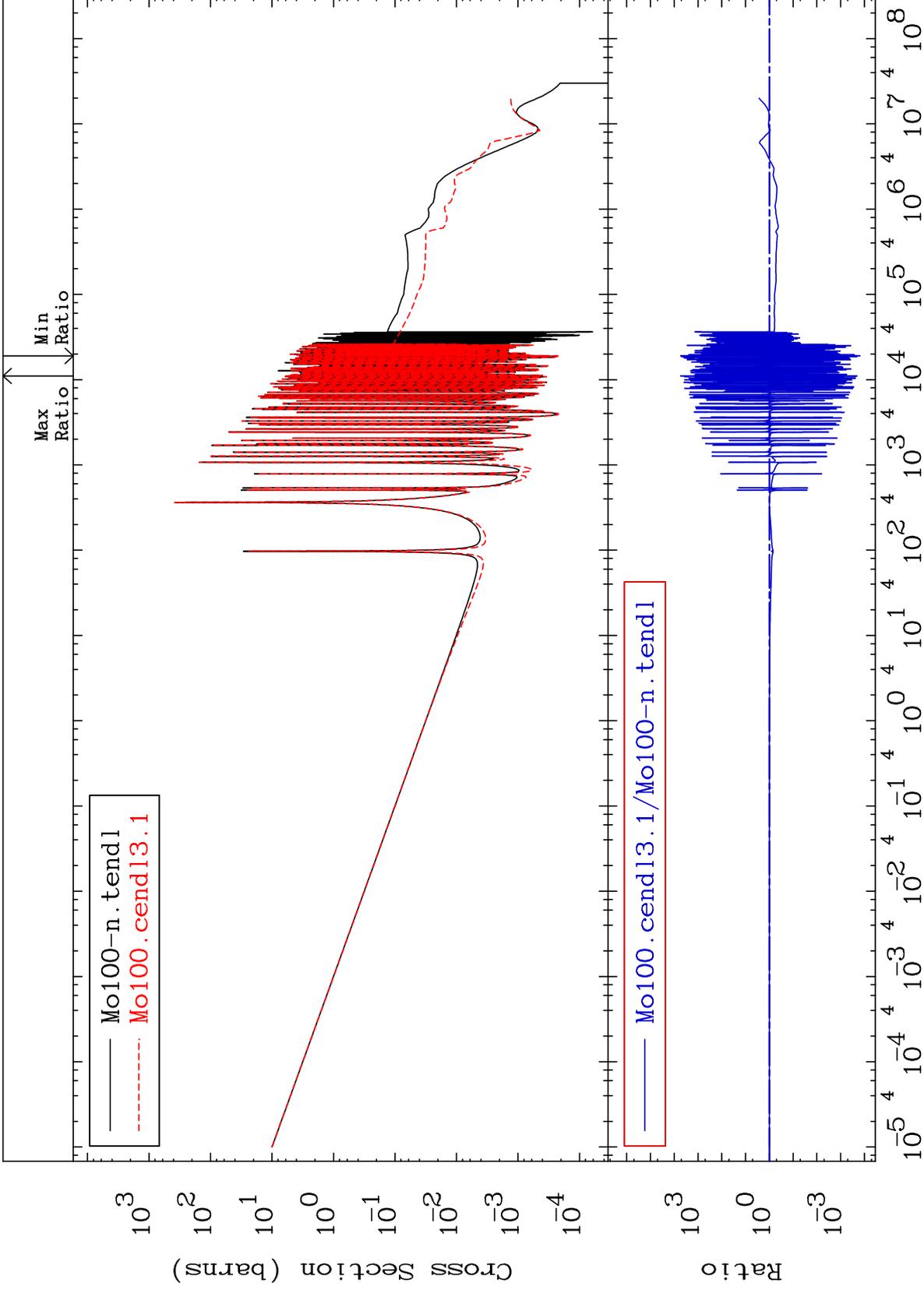
MAT 4249

(n,  $\gamma$ )

42-Mo-100

Cross Section

-99.98 To 9999. %



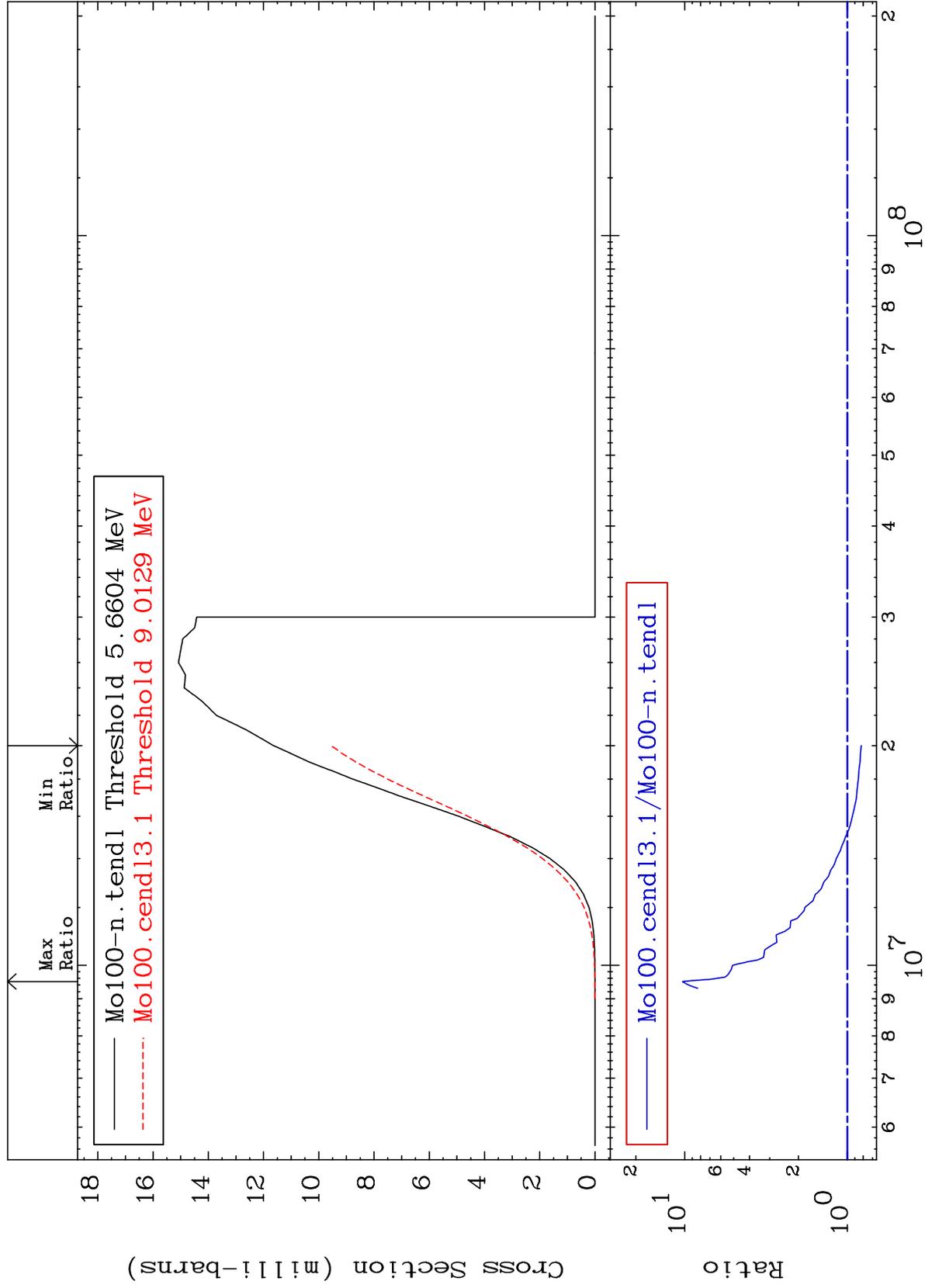
MAT 4249

(n,p)

42-Mo-100

Cross Section

-17.89 To 932.0 %



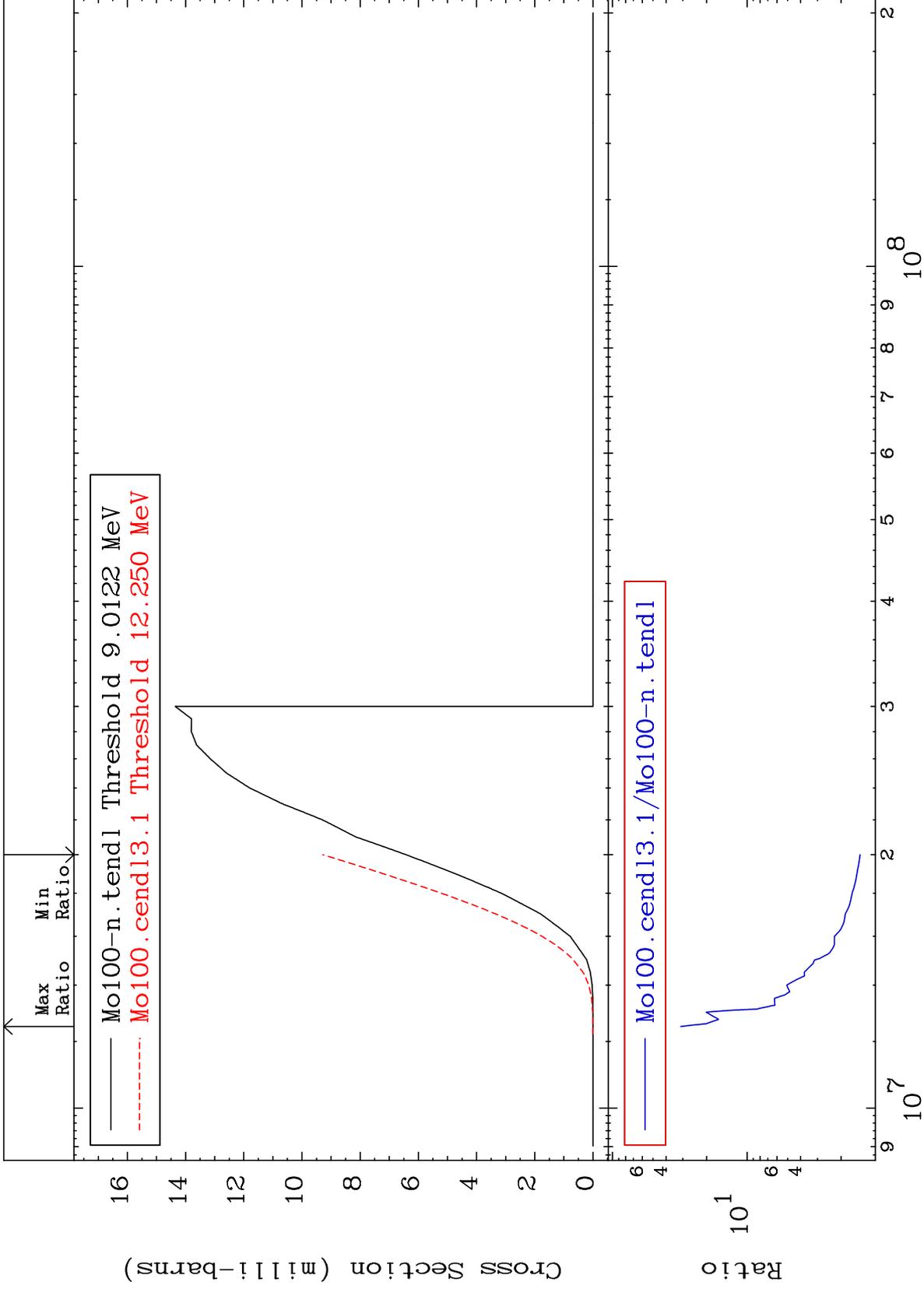
MAT 4249

(n, d)

42-Mo-100

Cross Section

44.46 To 3009. %



23

Incident Energy (eV)

42-Mo-100

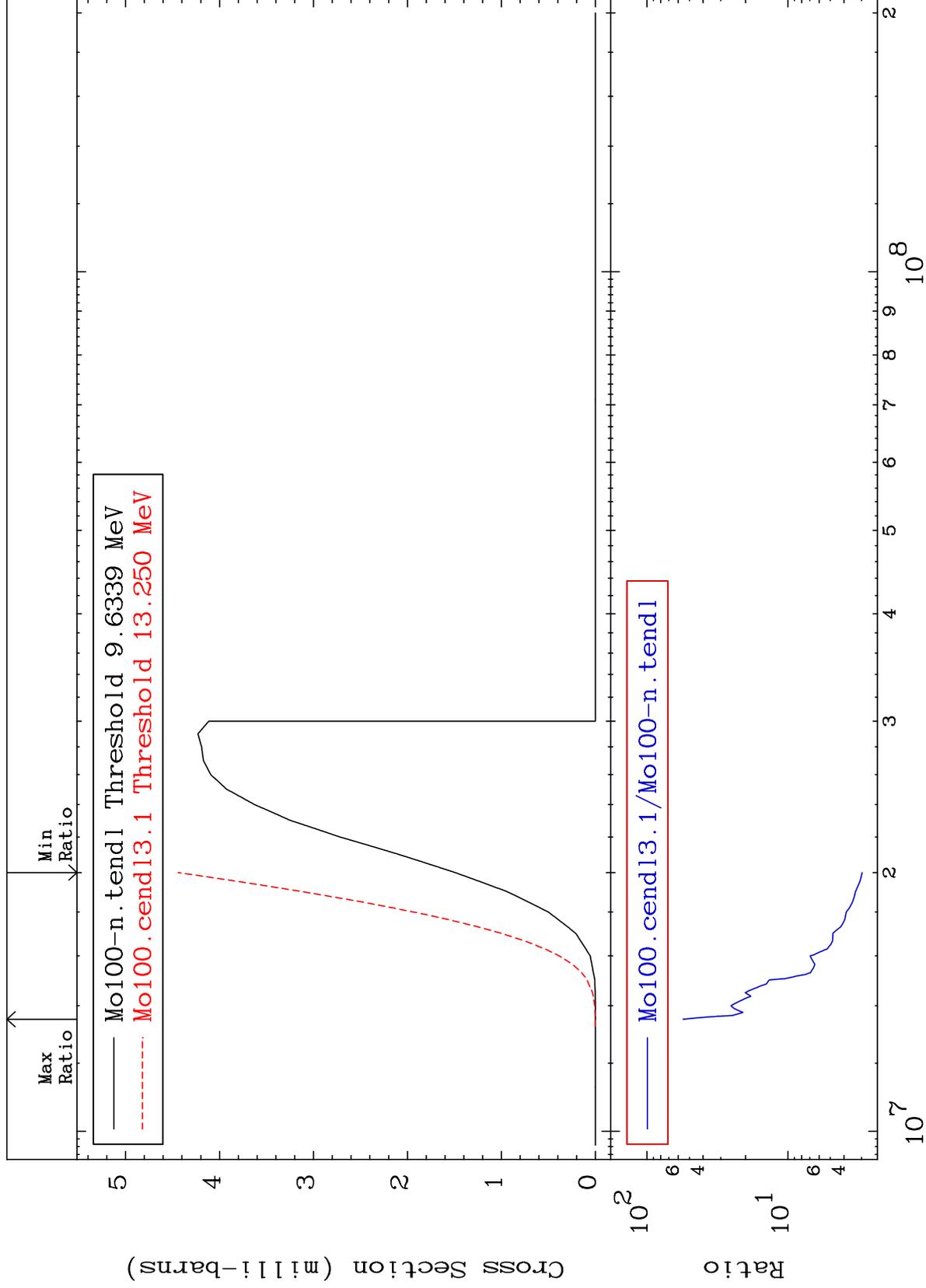
MAT 4249

(n, t)

42-Mo-100

Cross Section

197.3 To 5449. %



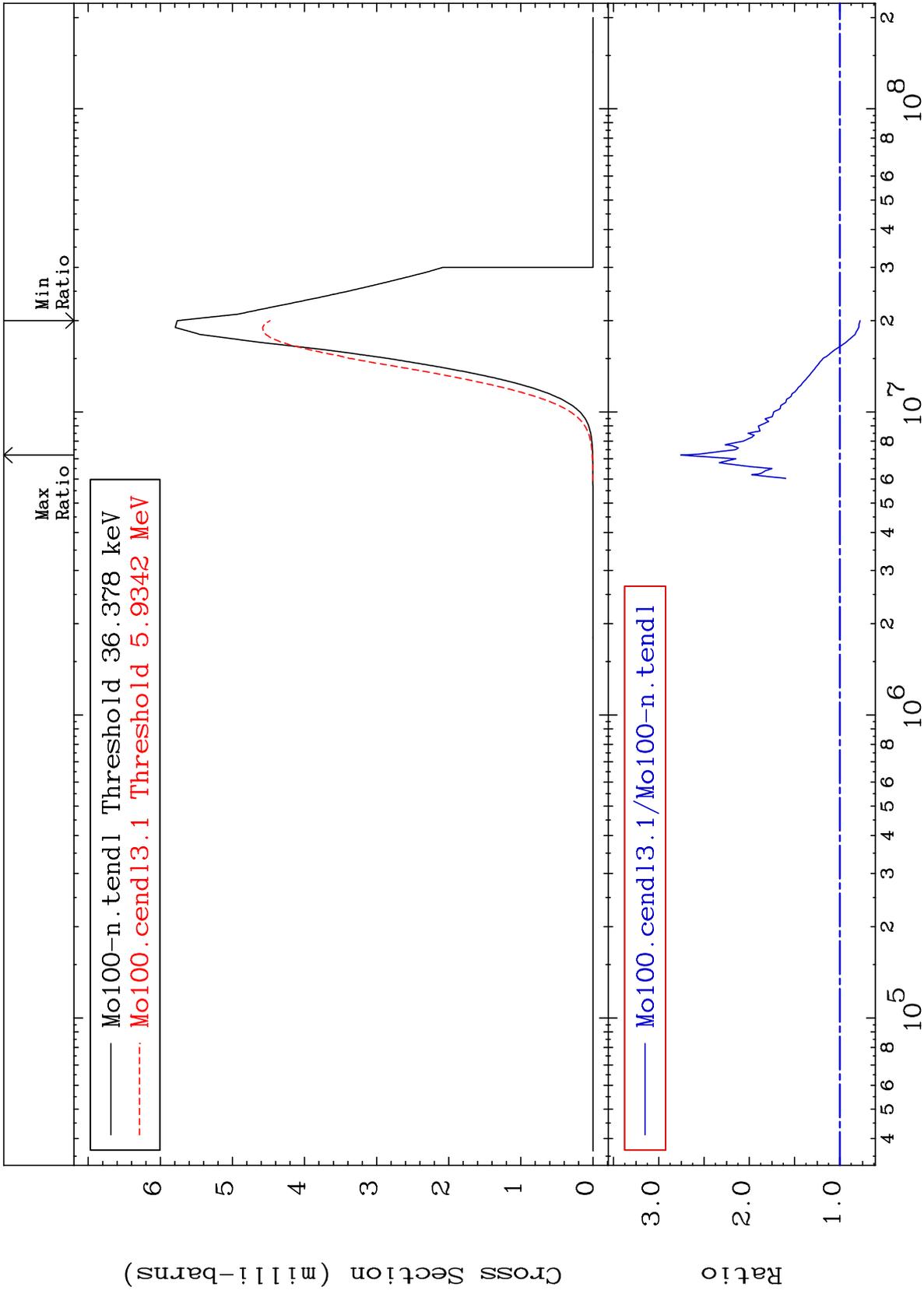
24

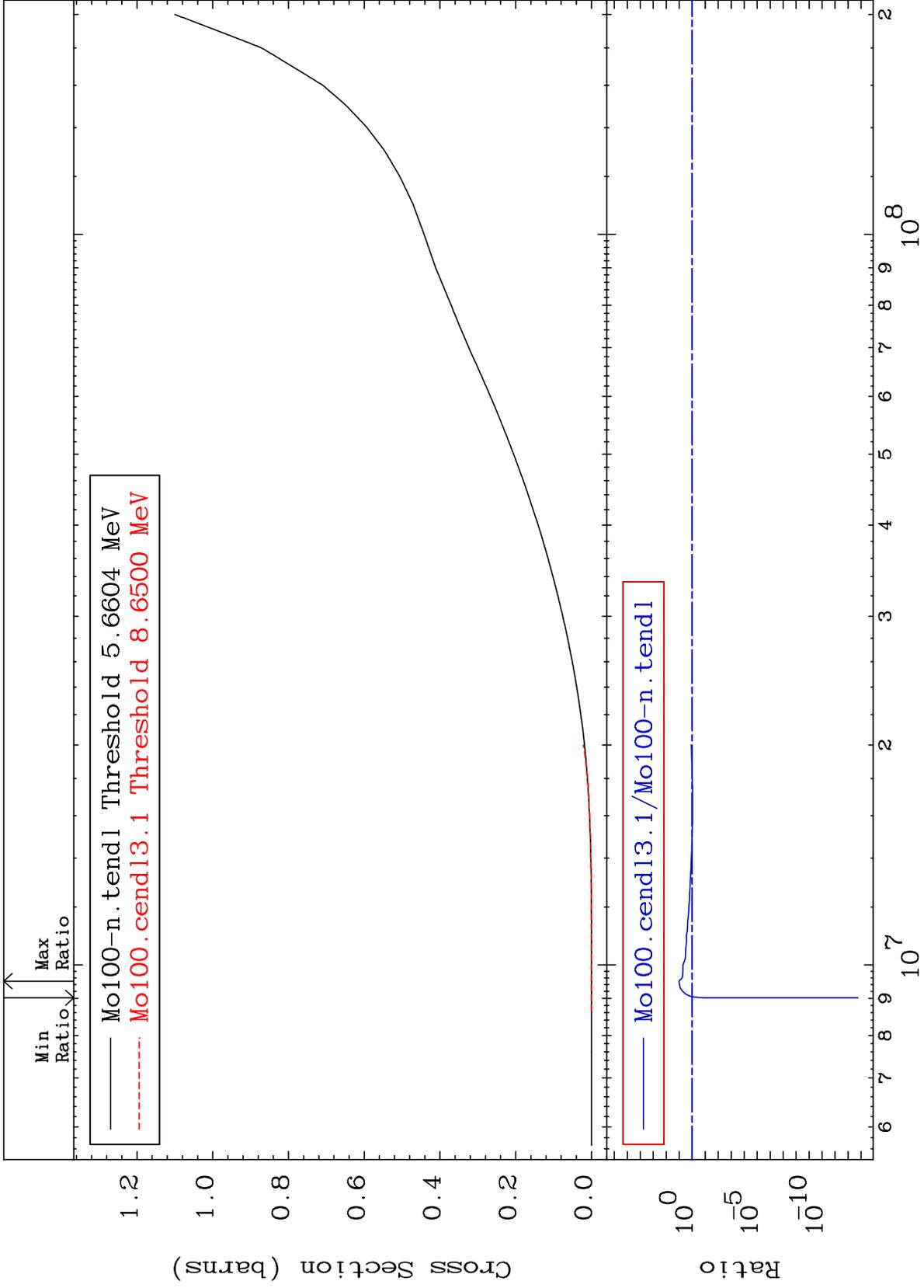
Incident Energy (eV)

42-Mo-100

MAT 4249

(n,  $\alpha$ )  
Cross Section  
42-Mo-100  
-22.33 To 175.7 %

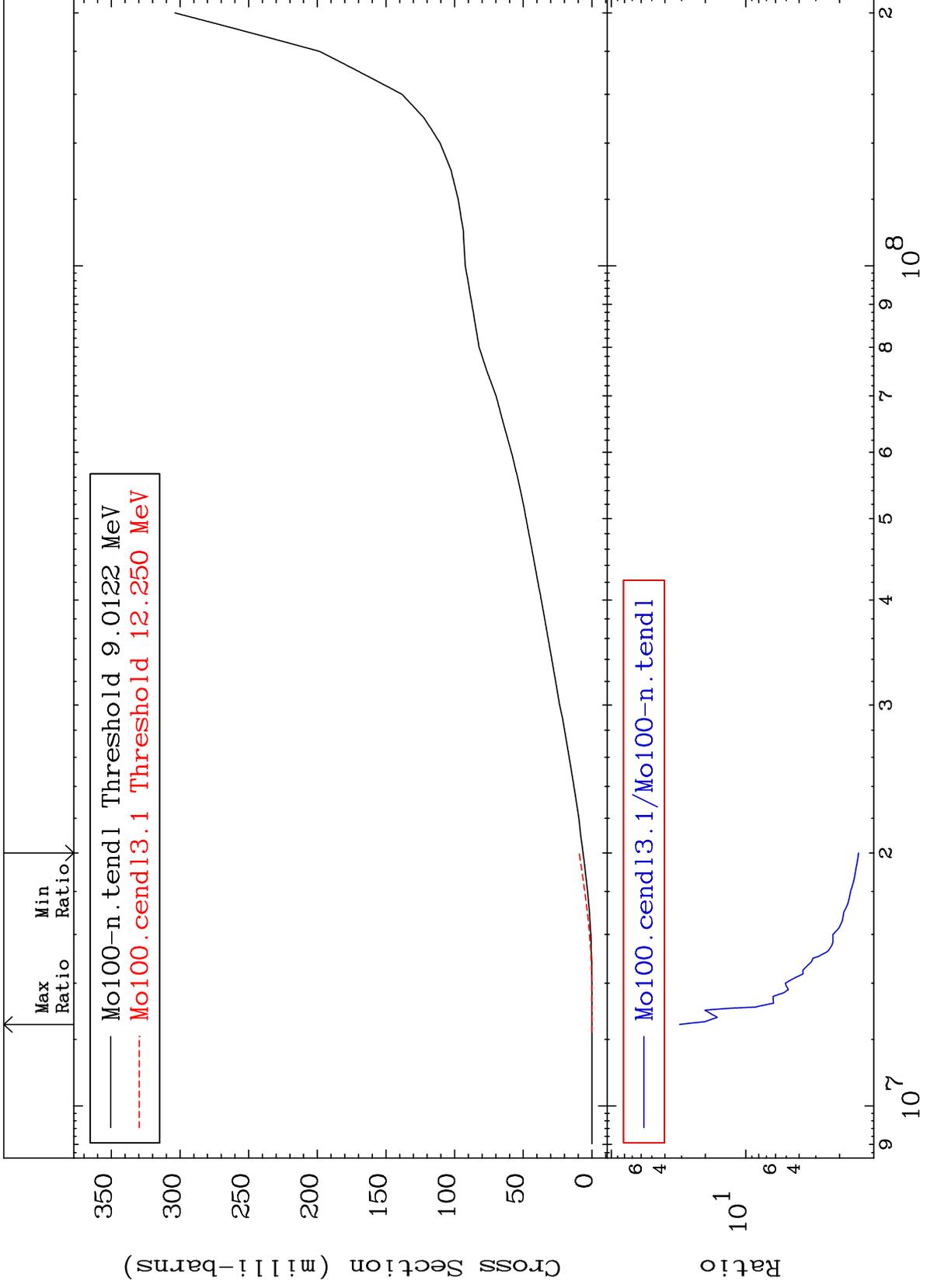




MAT 4249

Deuterium Production  
Cross Section

44.40 To 3009. %  
42-Mo-100



27

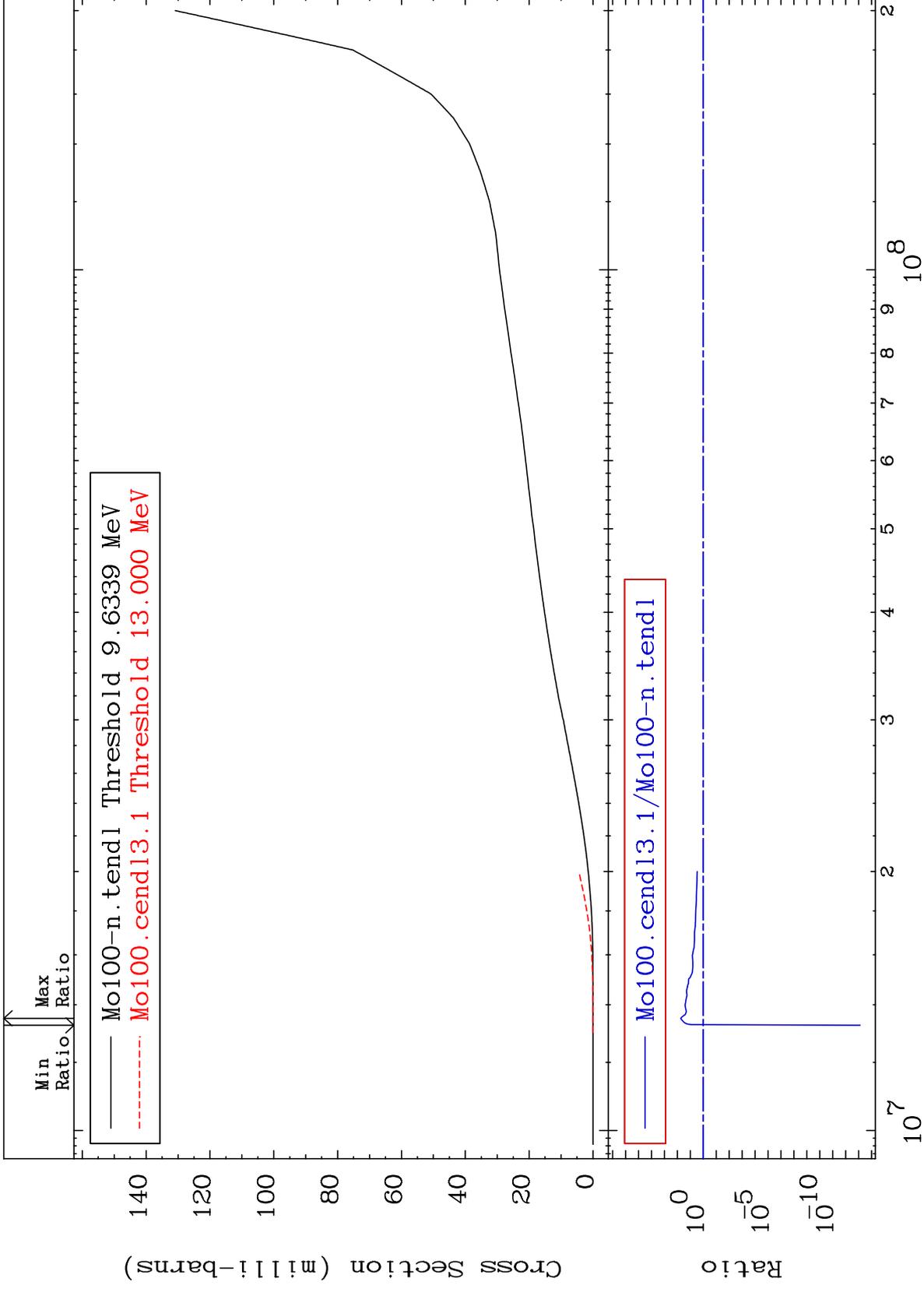
Incident Energy (eV)

42-Mo-100

MAT 4249

Tritium Production  
Cross Section

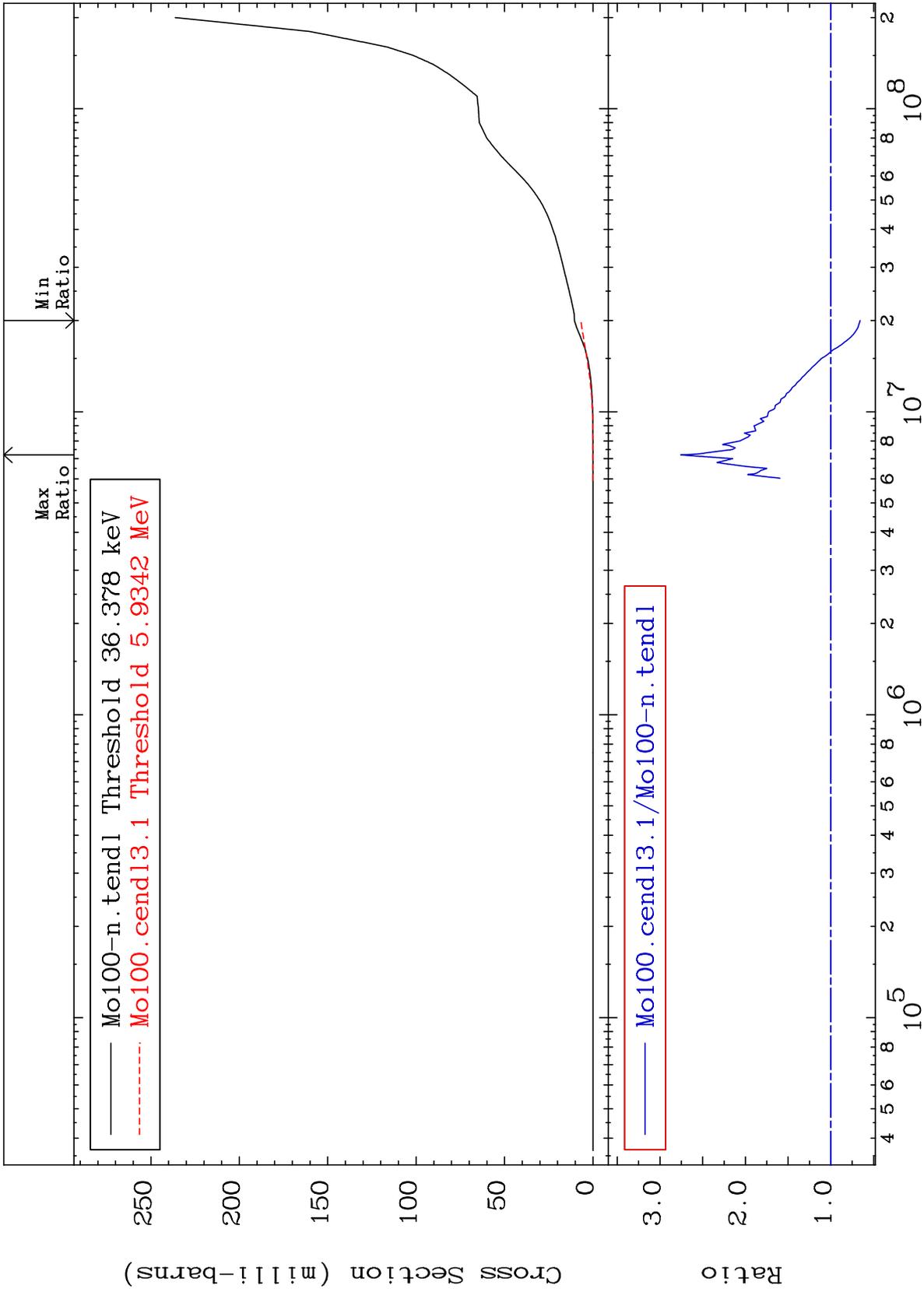
42-Mo-100  
-100.0 To 5449. %

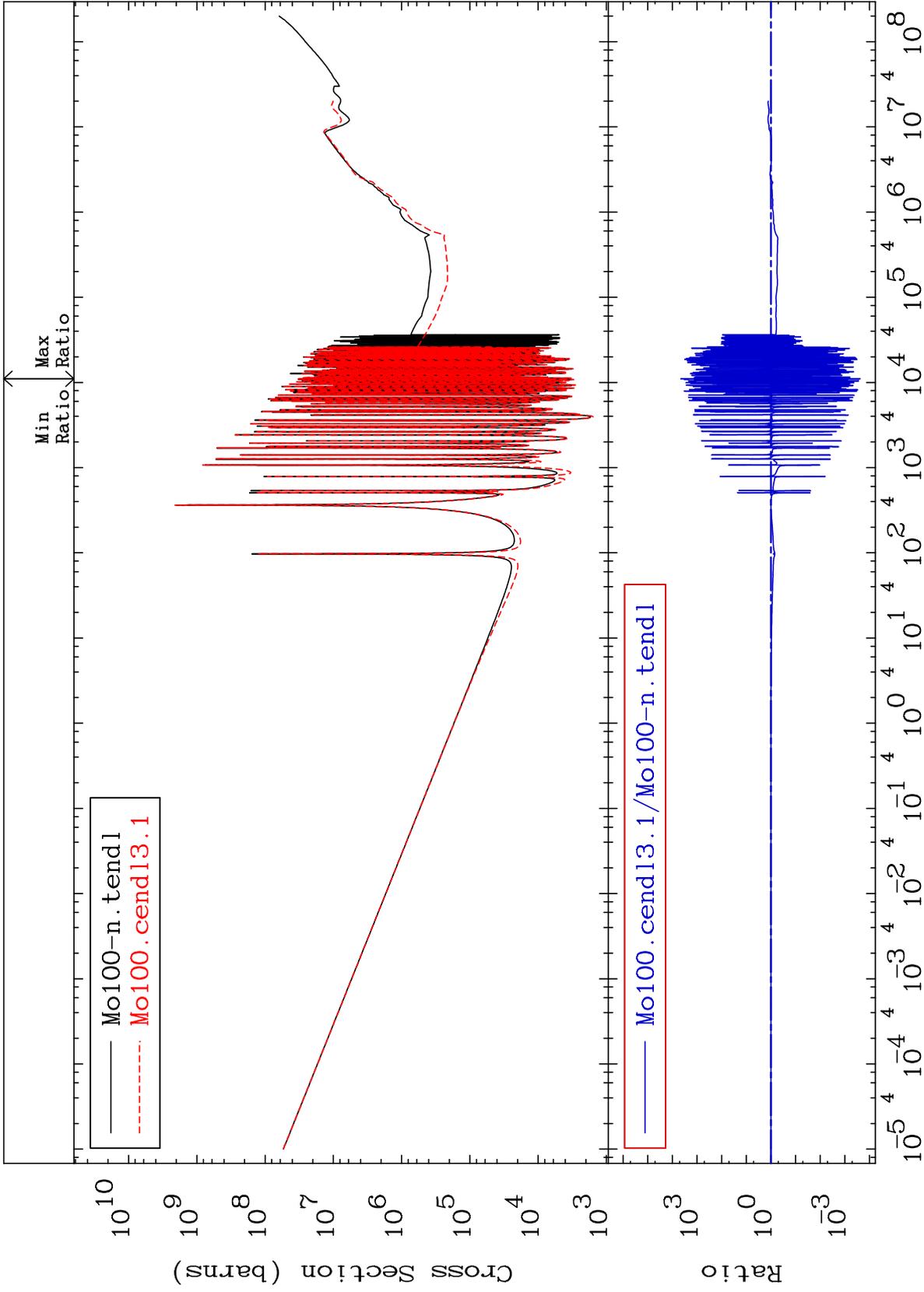


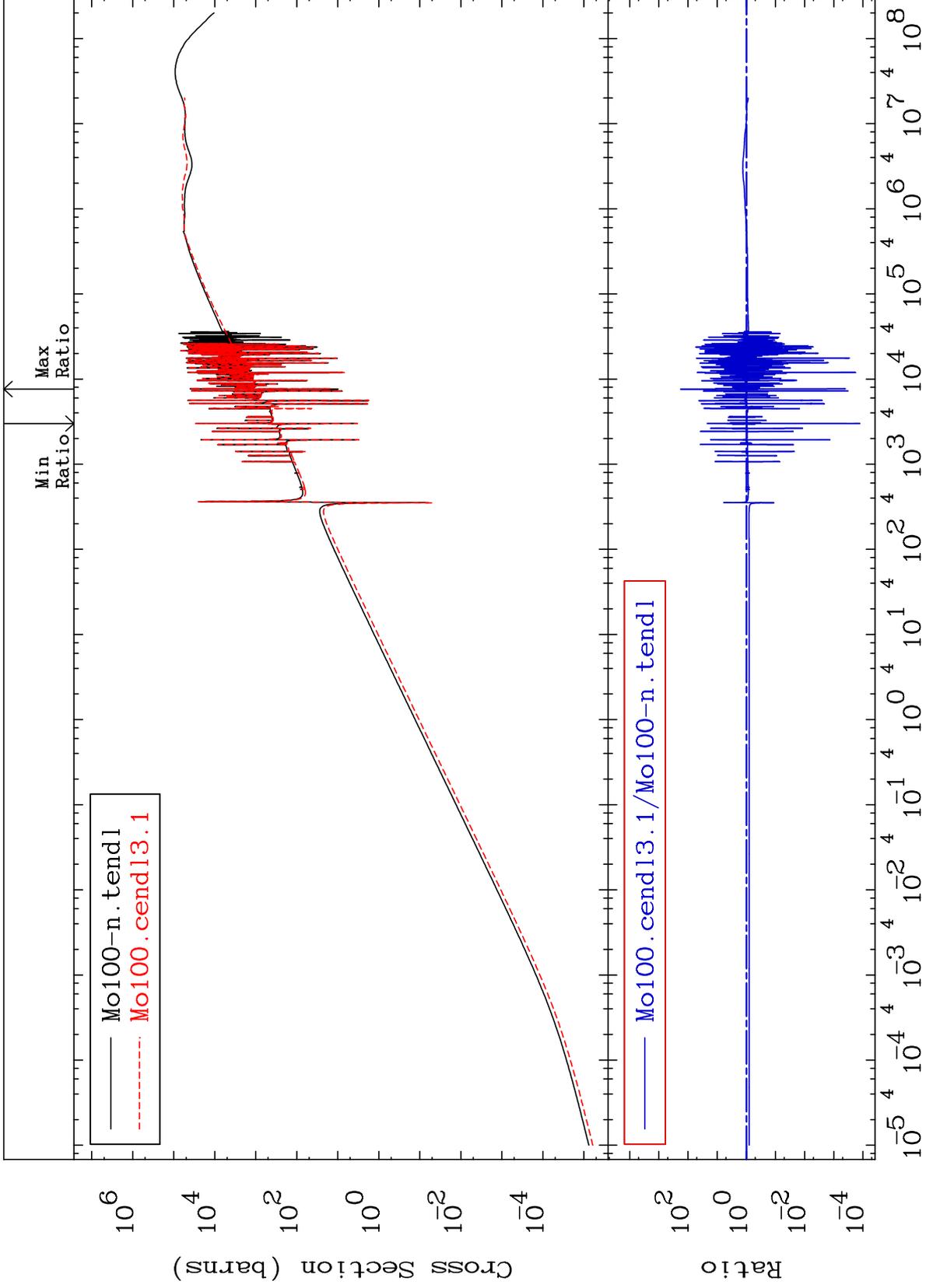
28

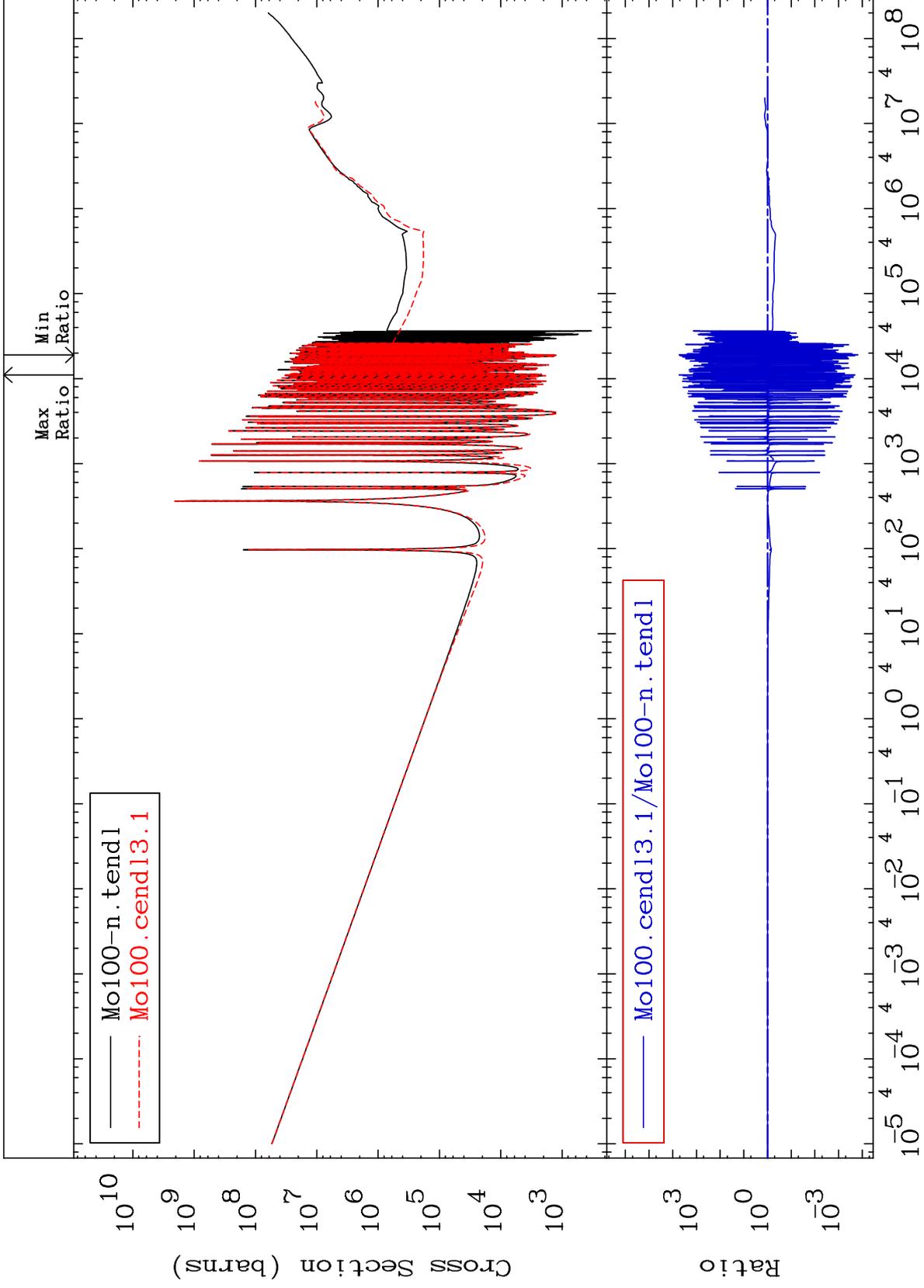
Incident Energy (eV)

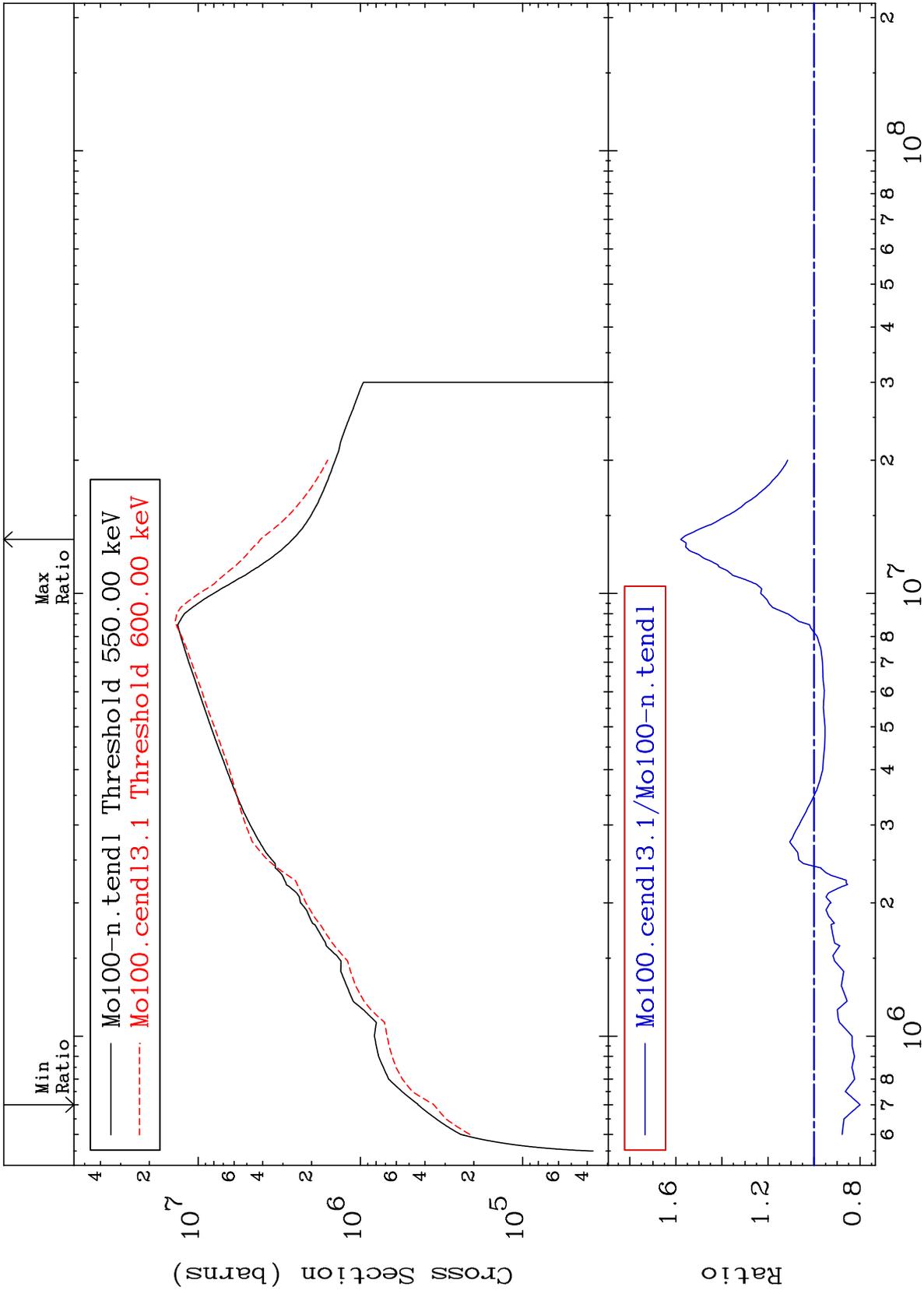
42-Mo-100







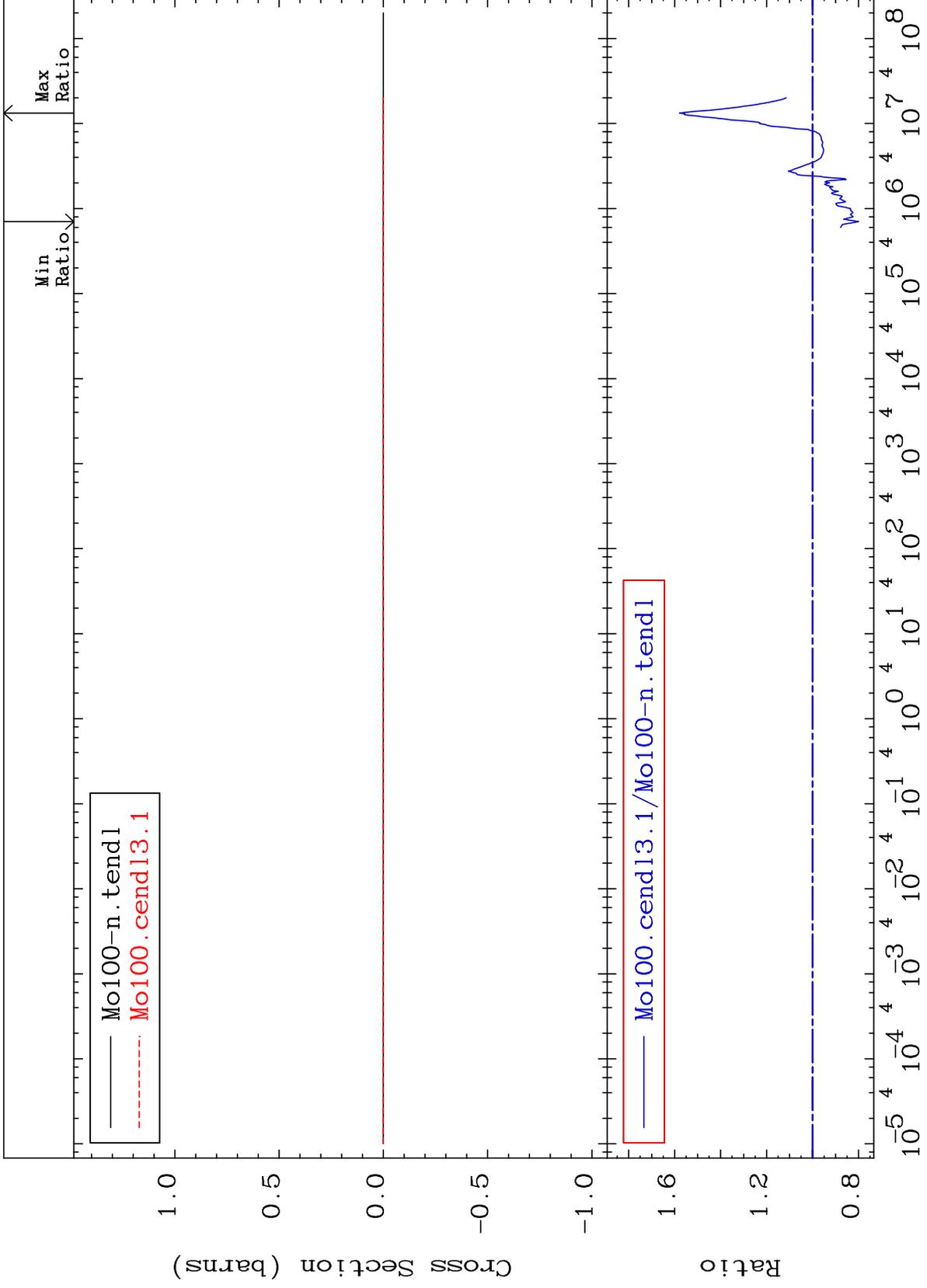


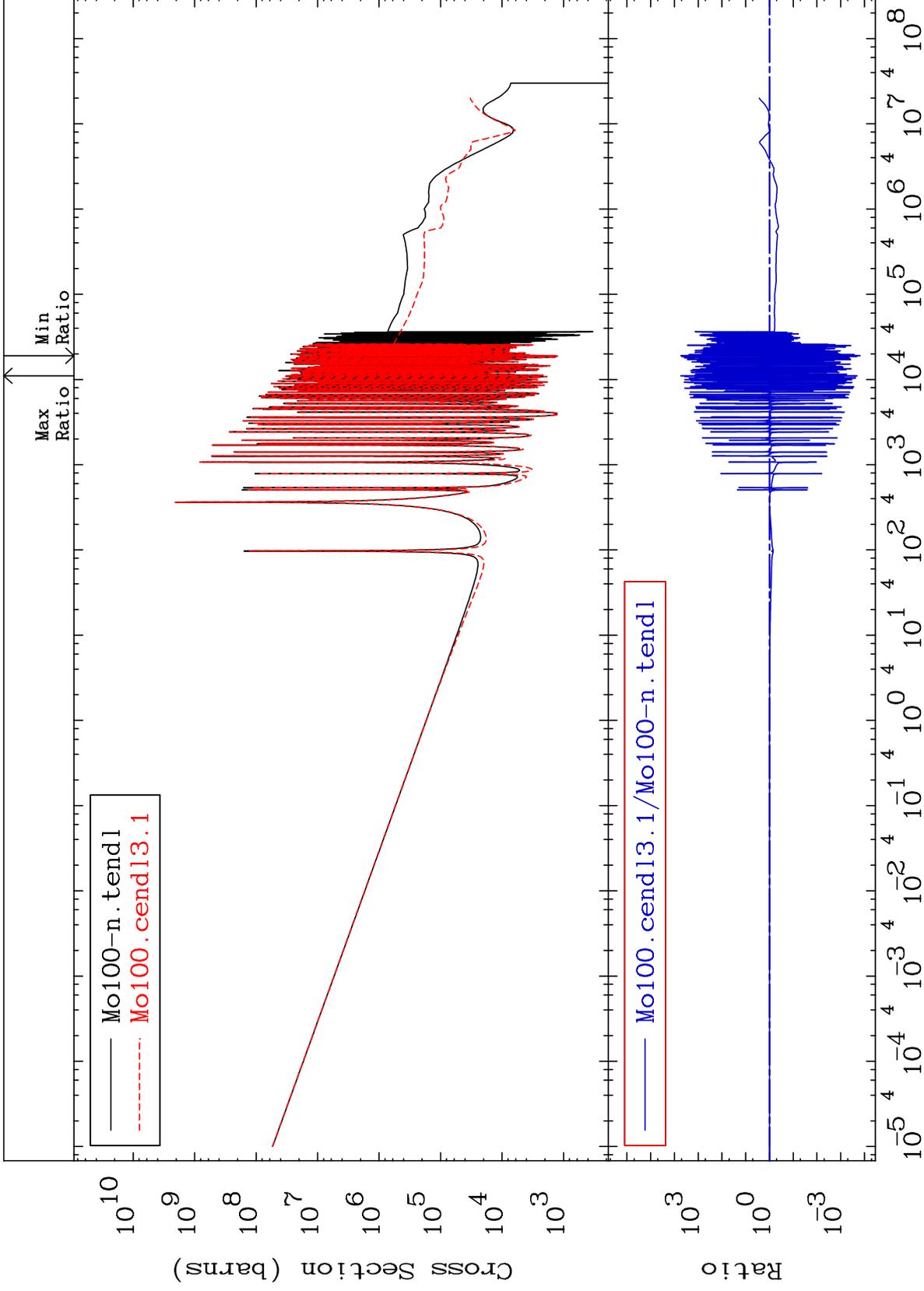


MAT 4249

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

42-Mo-100  
-20.00 To 57.88 %

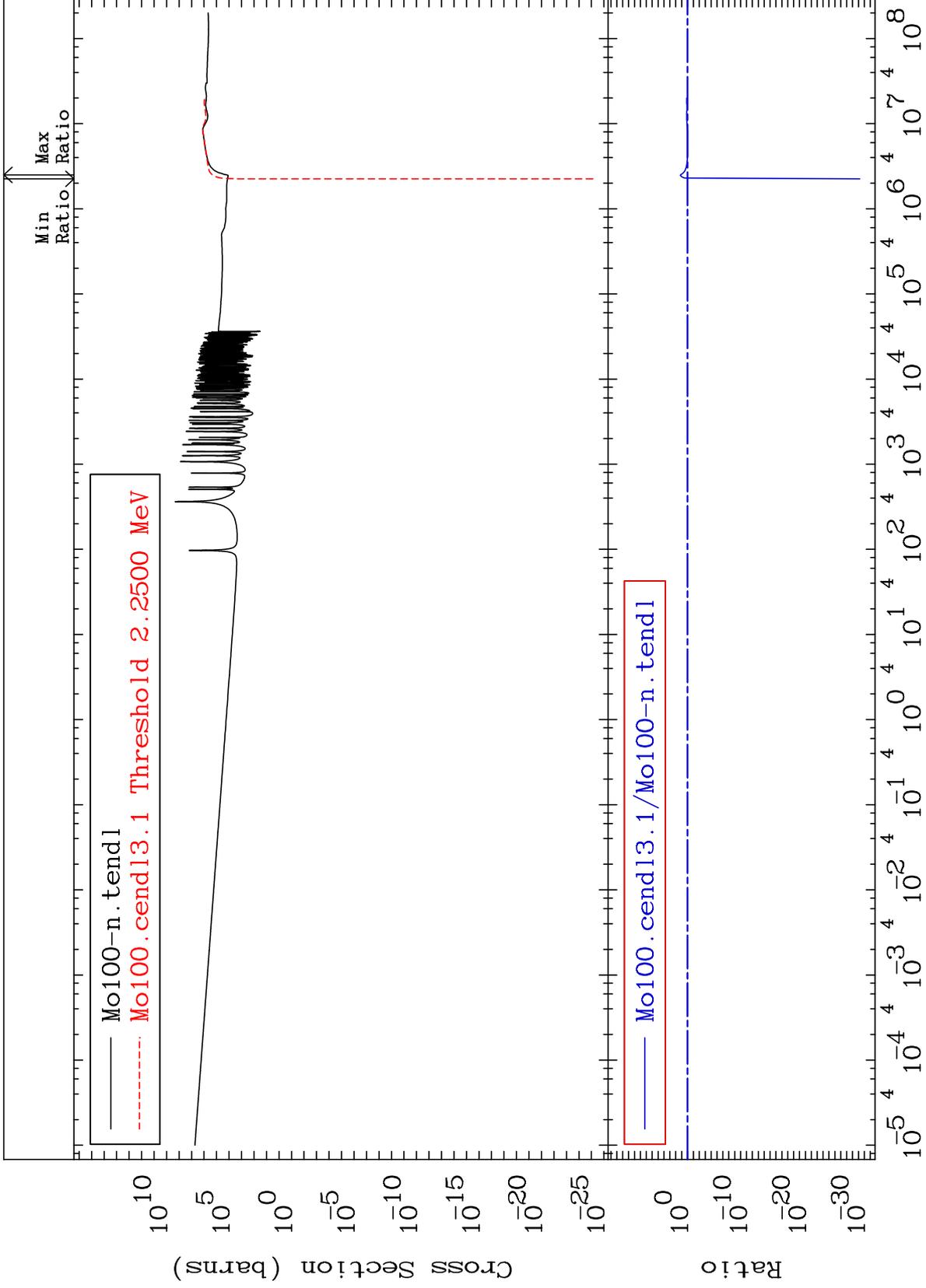




MAT 4249

Total photon (eV-barns)  
Cross Section

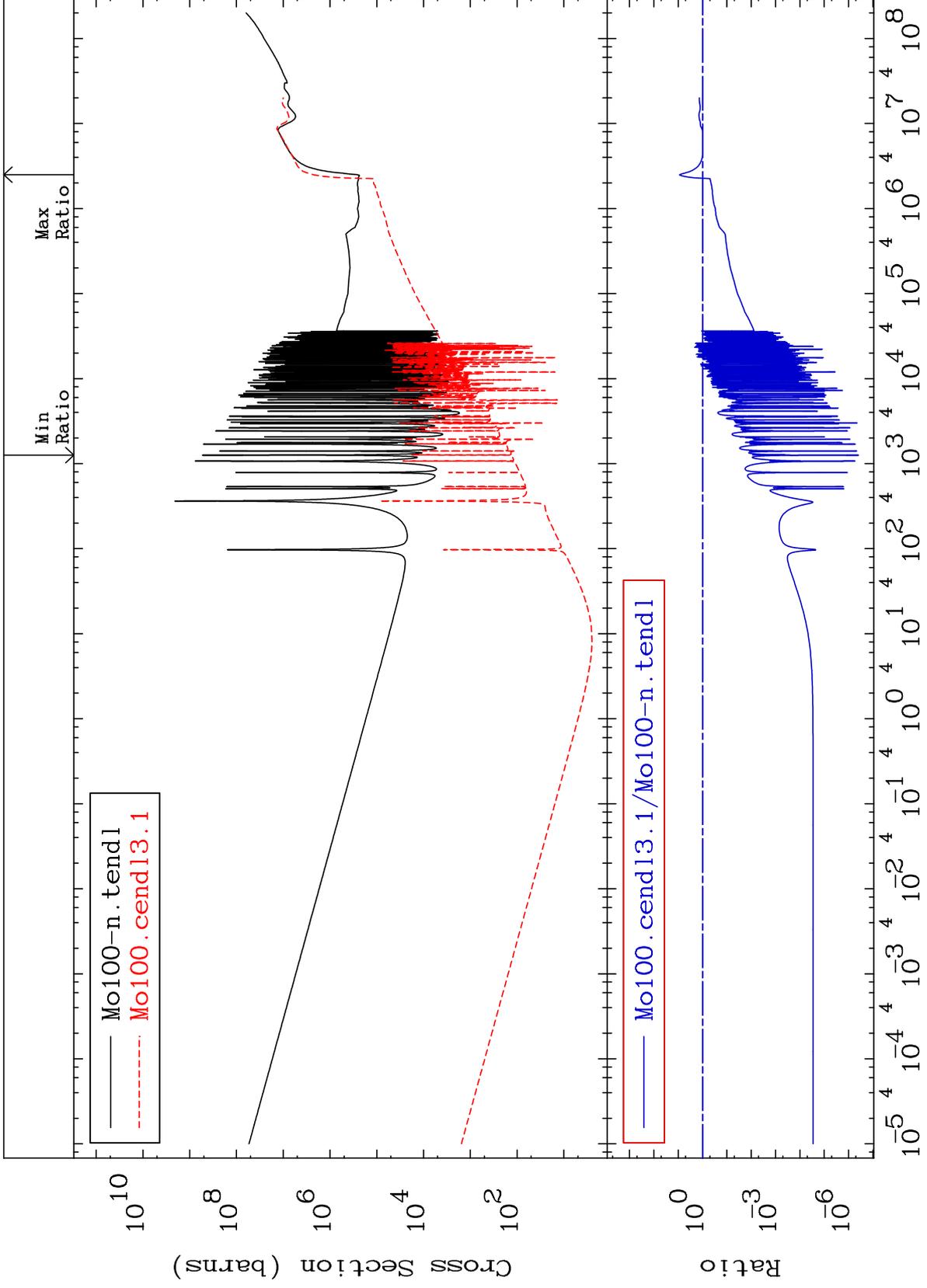
42-Mo-100  
-100.0 To 1448. %



MAT 4249

Total kinematic kerma (high limit)  
Cross Section

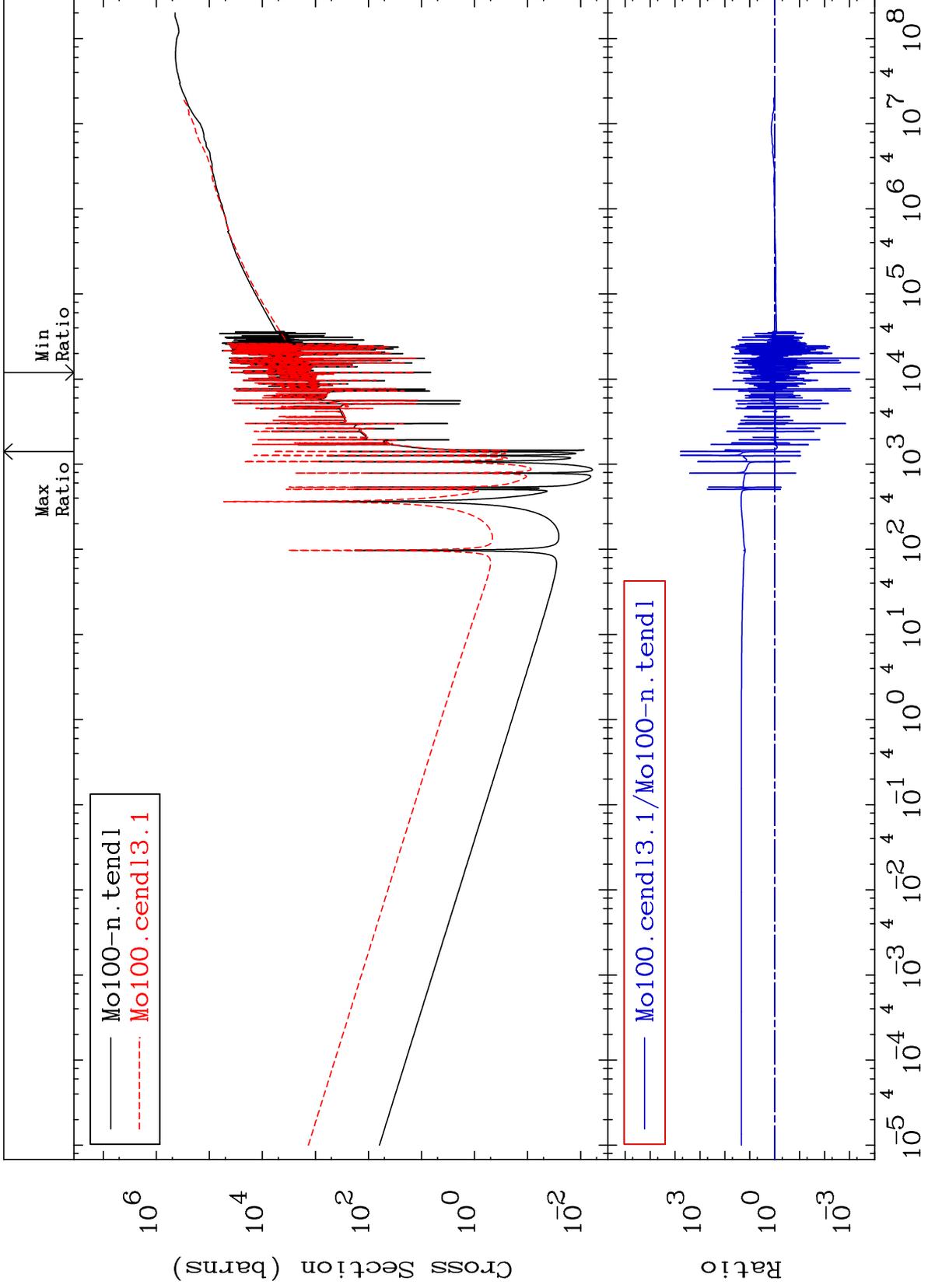
42-Mo-100  
-100.0 To 783.3 %



MAT 4249

Dpa total (eV-barns)  
Cross Section

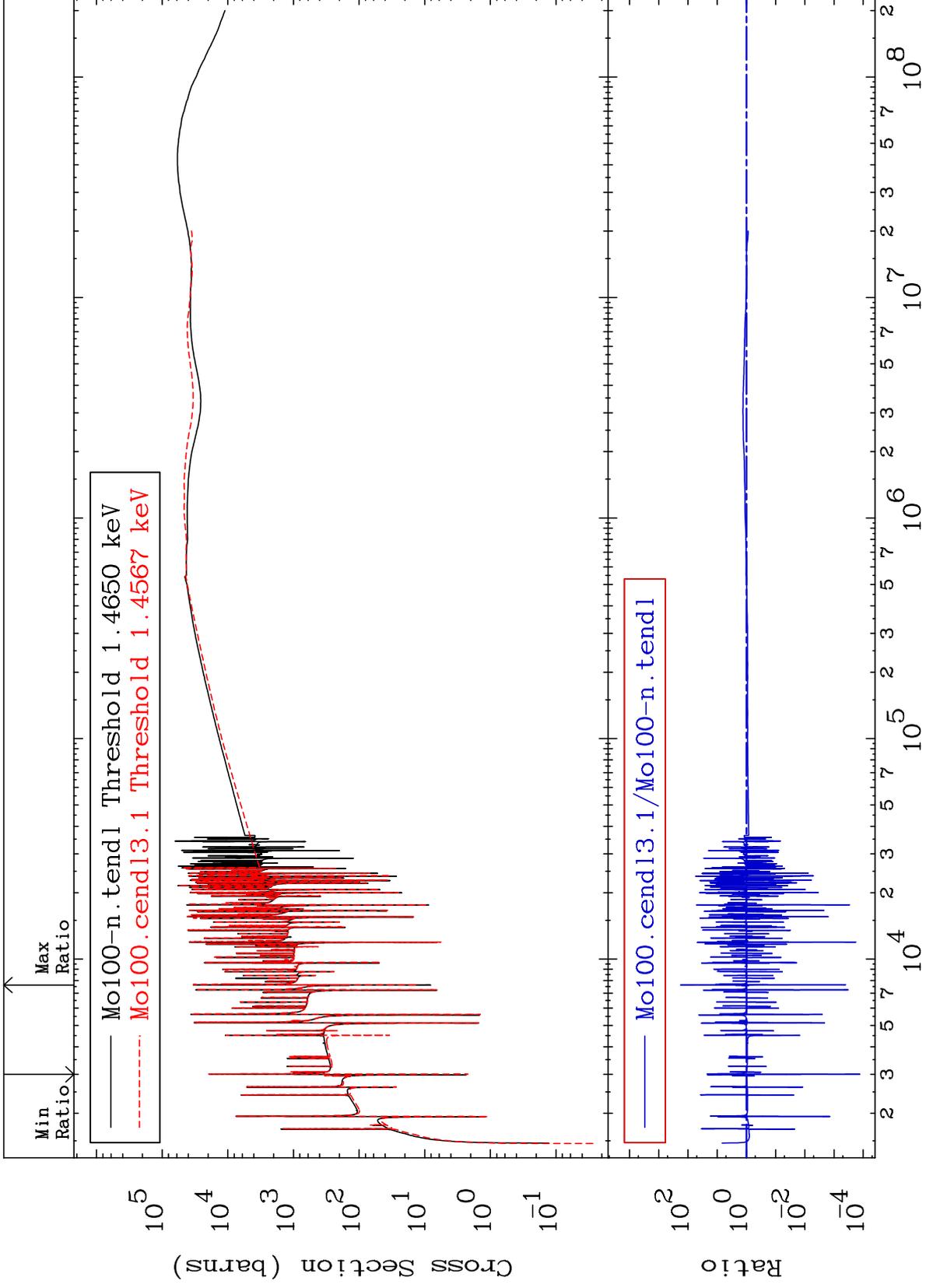
42-Mo-100  
-99.96 To 9999. %



MAT 4249

Dpa elastic (mt2)  
Cross Section

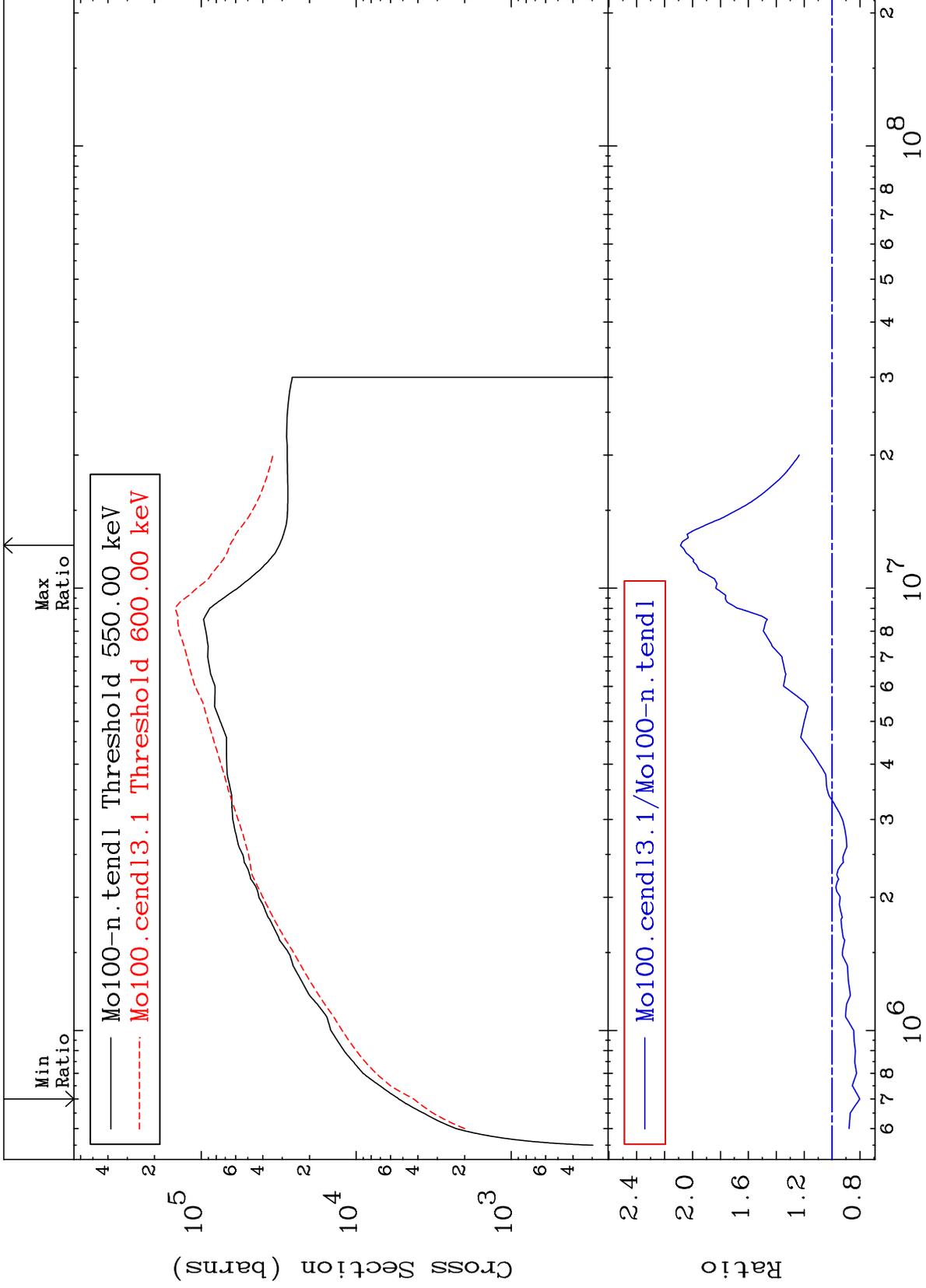
42-Mo-100  
-99.99 To 9999. %



MAT 4249

Dpa inelastic (mt51-91)  
Cross Section

42-Mo-100  
-19.84 To 108.6 %



40

42-Mo-100

MAT 4249

Dpa disappearance (mt102 -120)  
Cross Section

42-Mo-100  
-99.22 To 9999. %

