

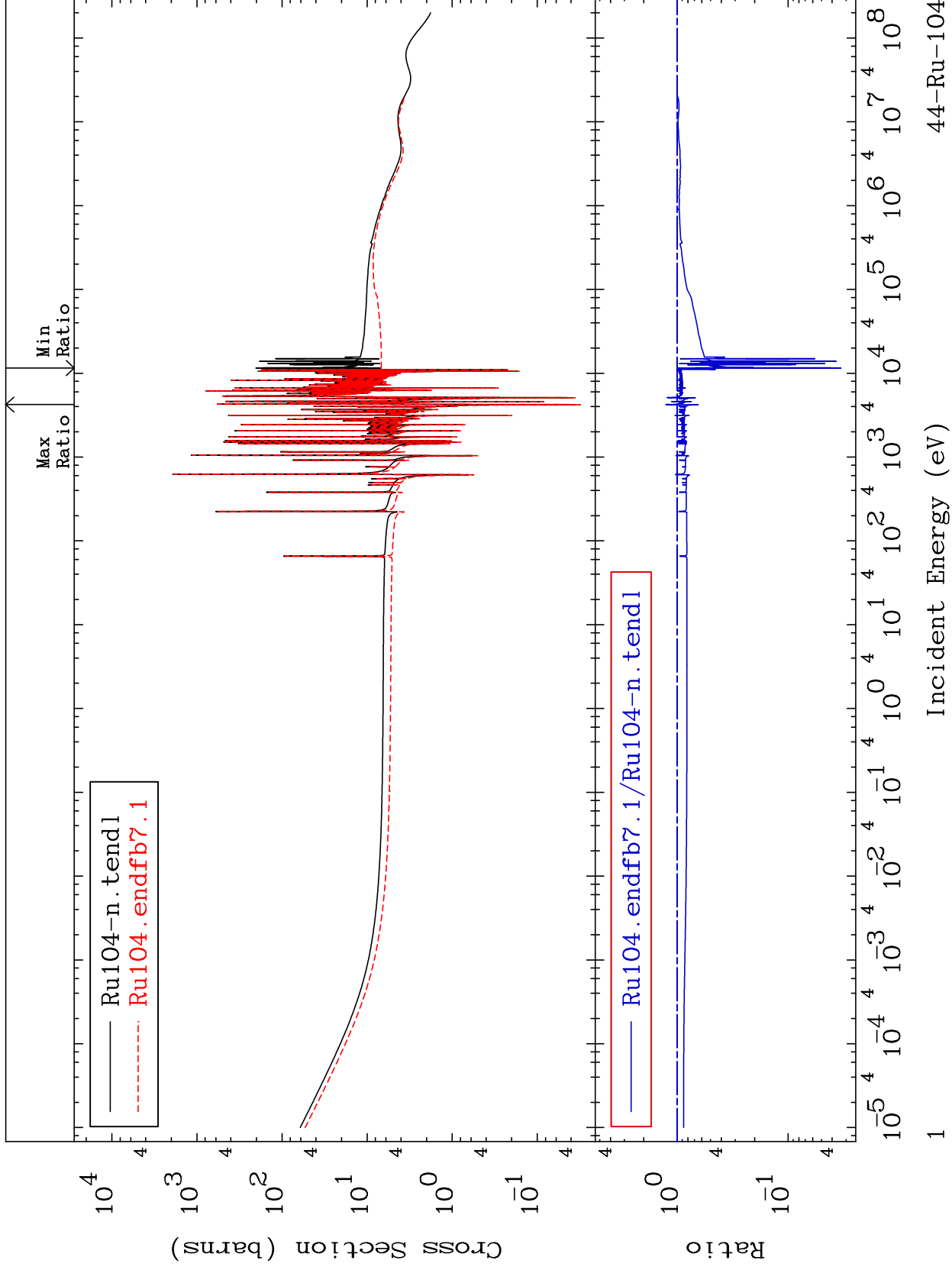
MAT 4449

Total

44-Ru-104

Cross Section

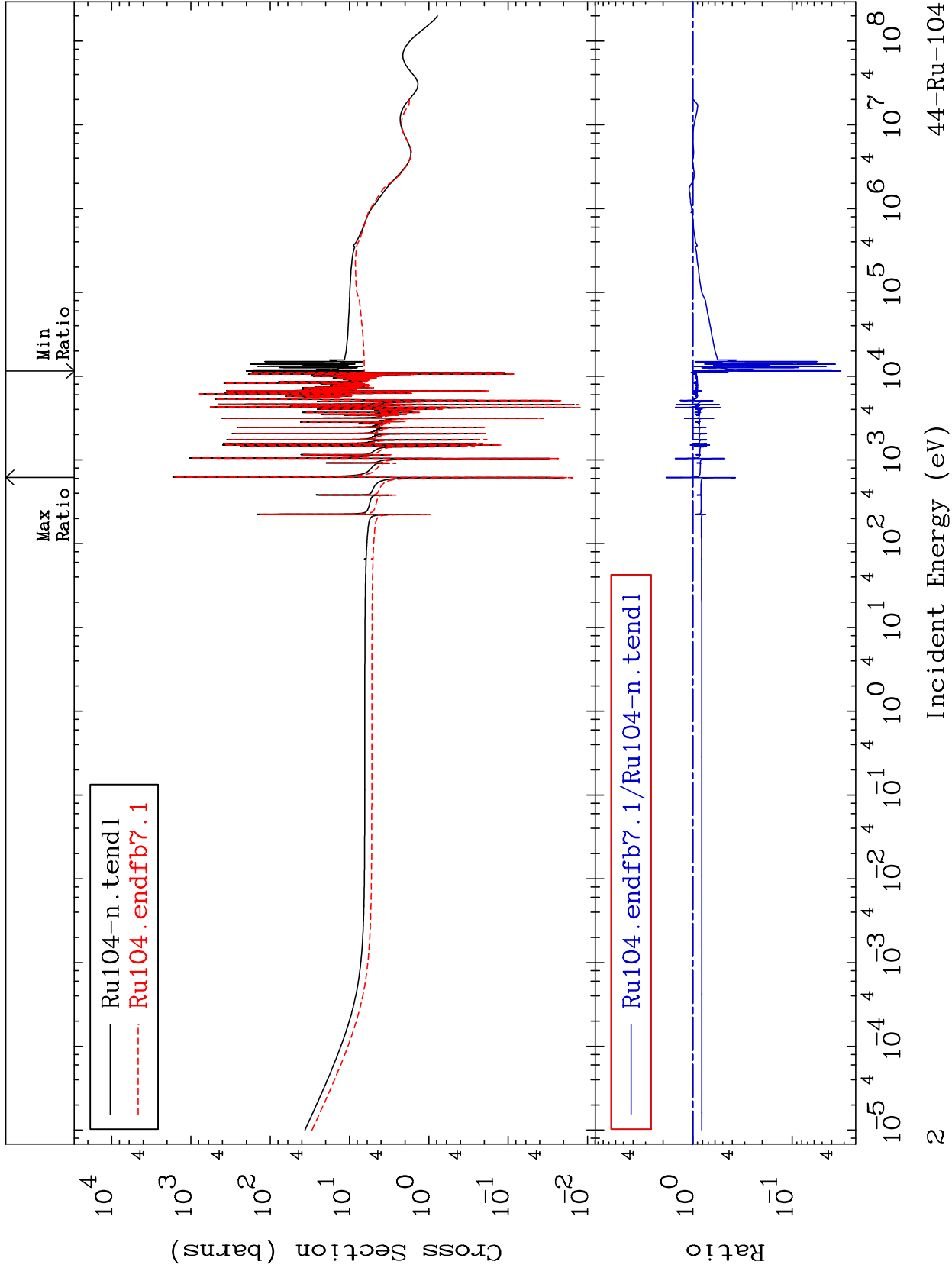
-96.66 To 26.25 %



MAT 4449

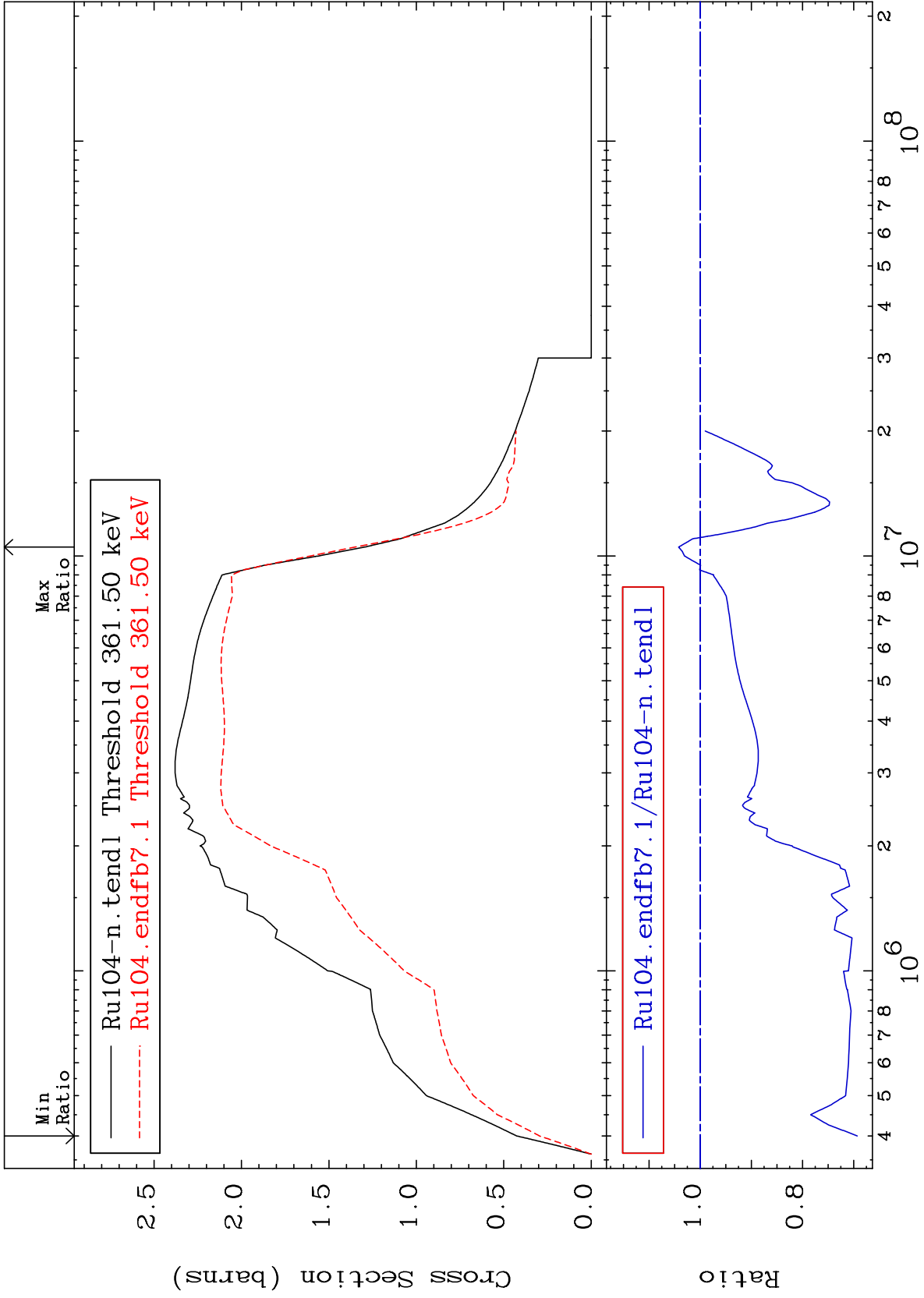
Elastic  
Cross Section

44-Ru-104  
-96.76 To 86.60 %



MAT 4449

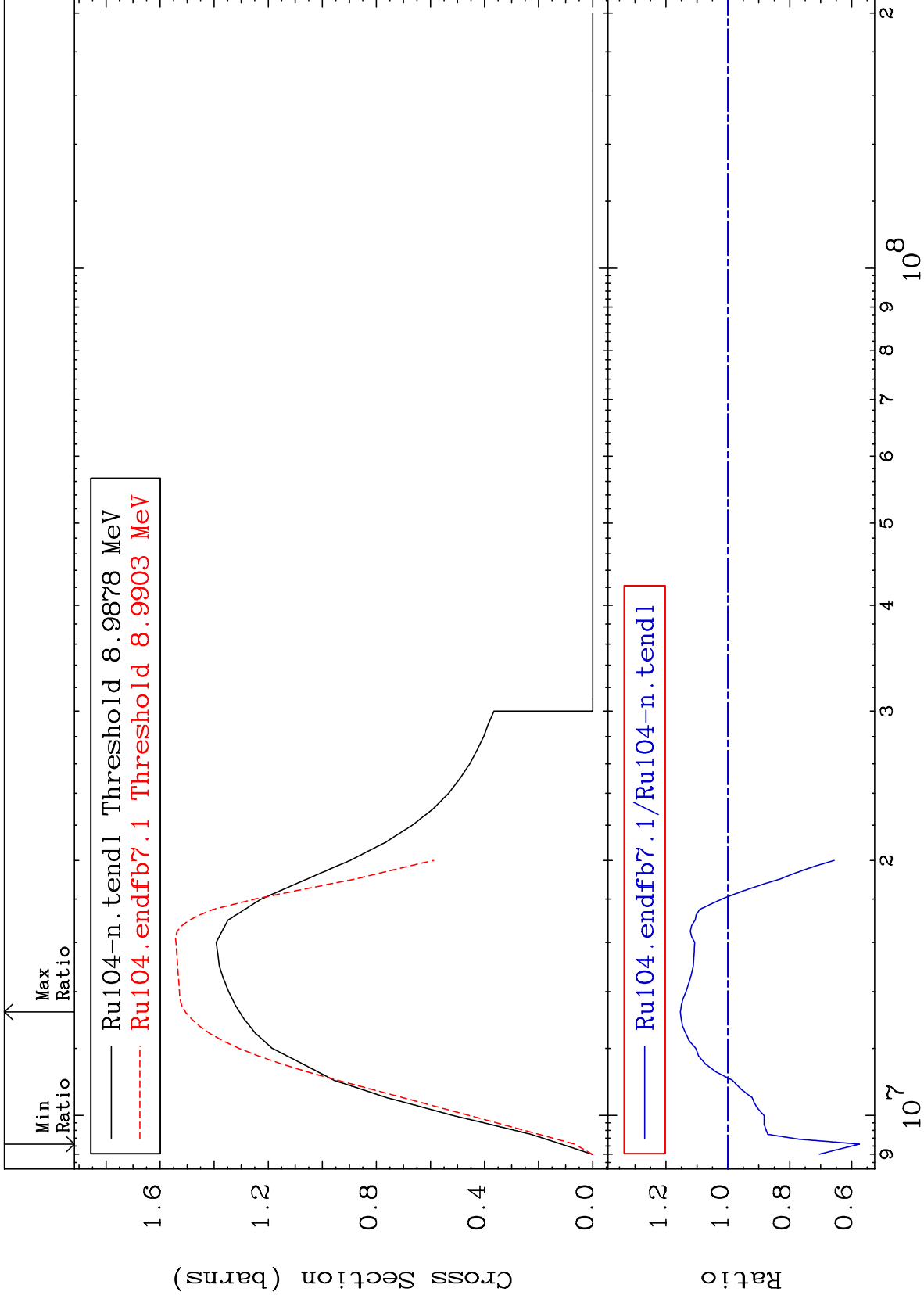
Inelastic Cross Section  
44-Ru-104  
-30.70 To 4.214 %



MAT 4449

(n,2n)  
Cross Section

44-Ru-104  
-42.51 To 15.34 %



Incident Energy (eV)

44-Ru-104

4

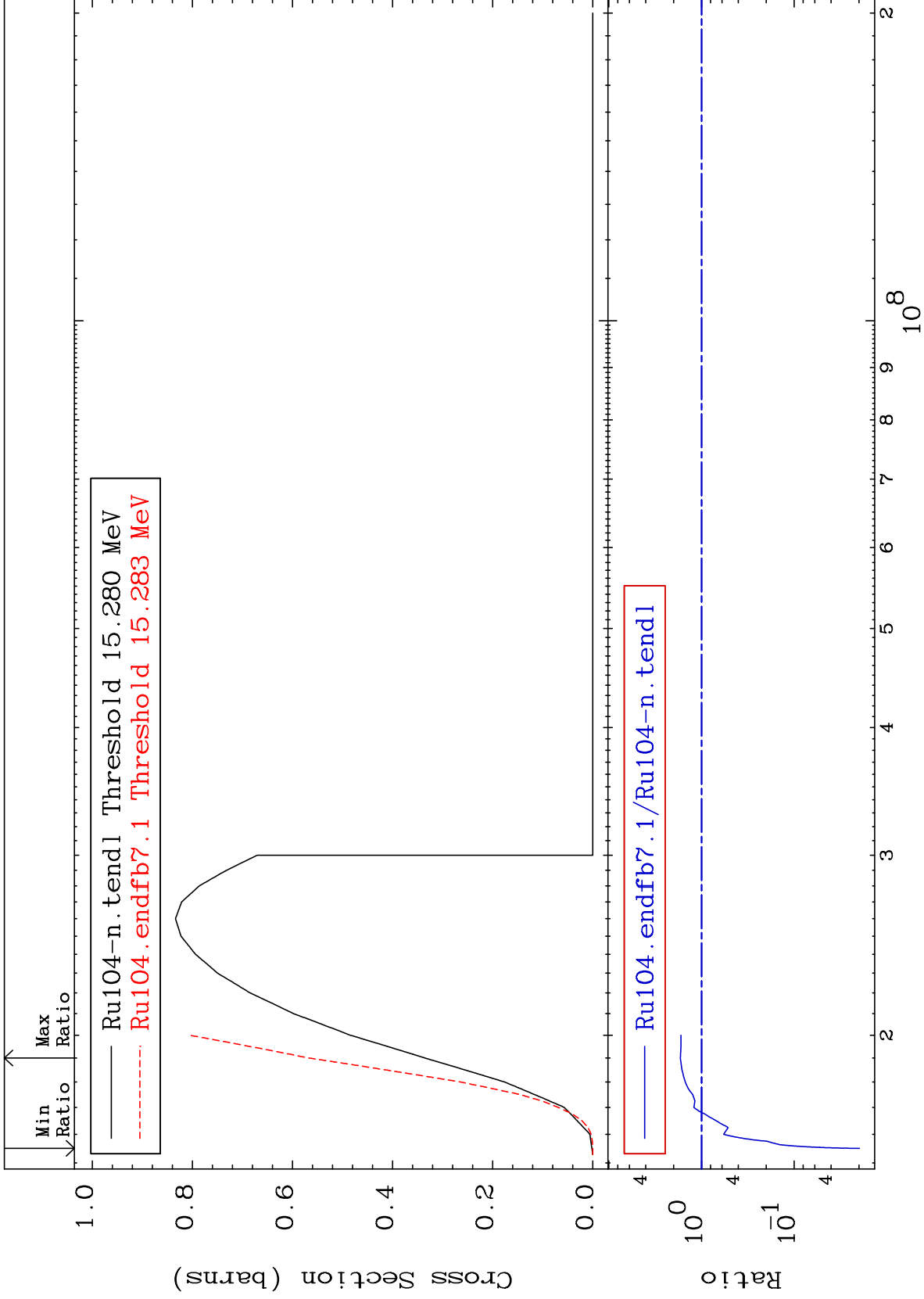
MAT 4449

(n,3n)

44-Ru-104

Cross Section

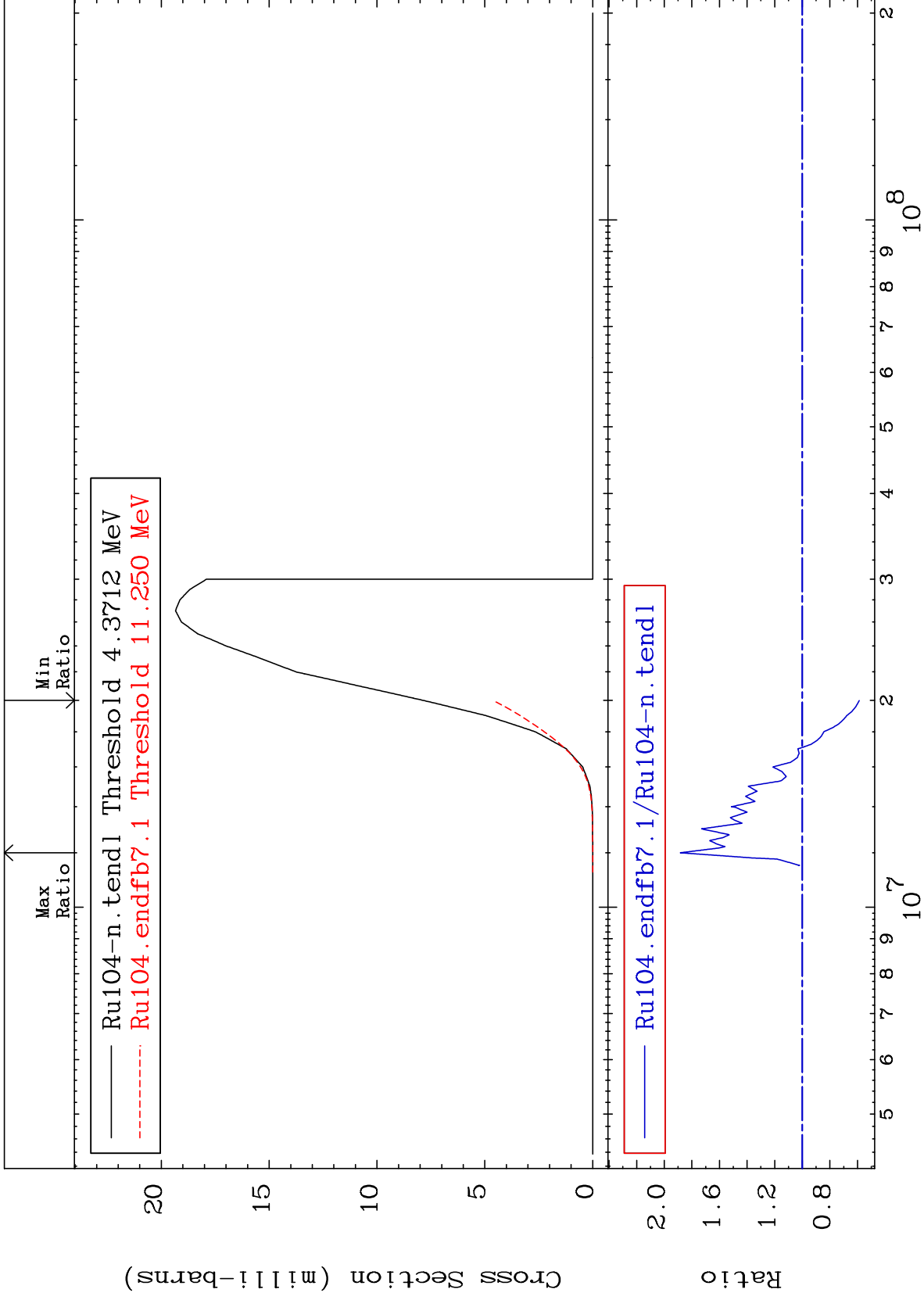
-98.02 To 69.09 %



MAT 4449

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

44-Ru-104  
-41.38 To 88.33 %



6

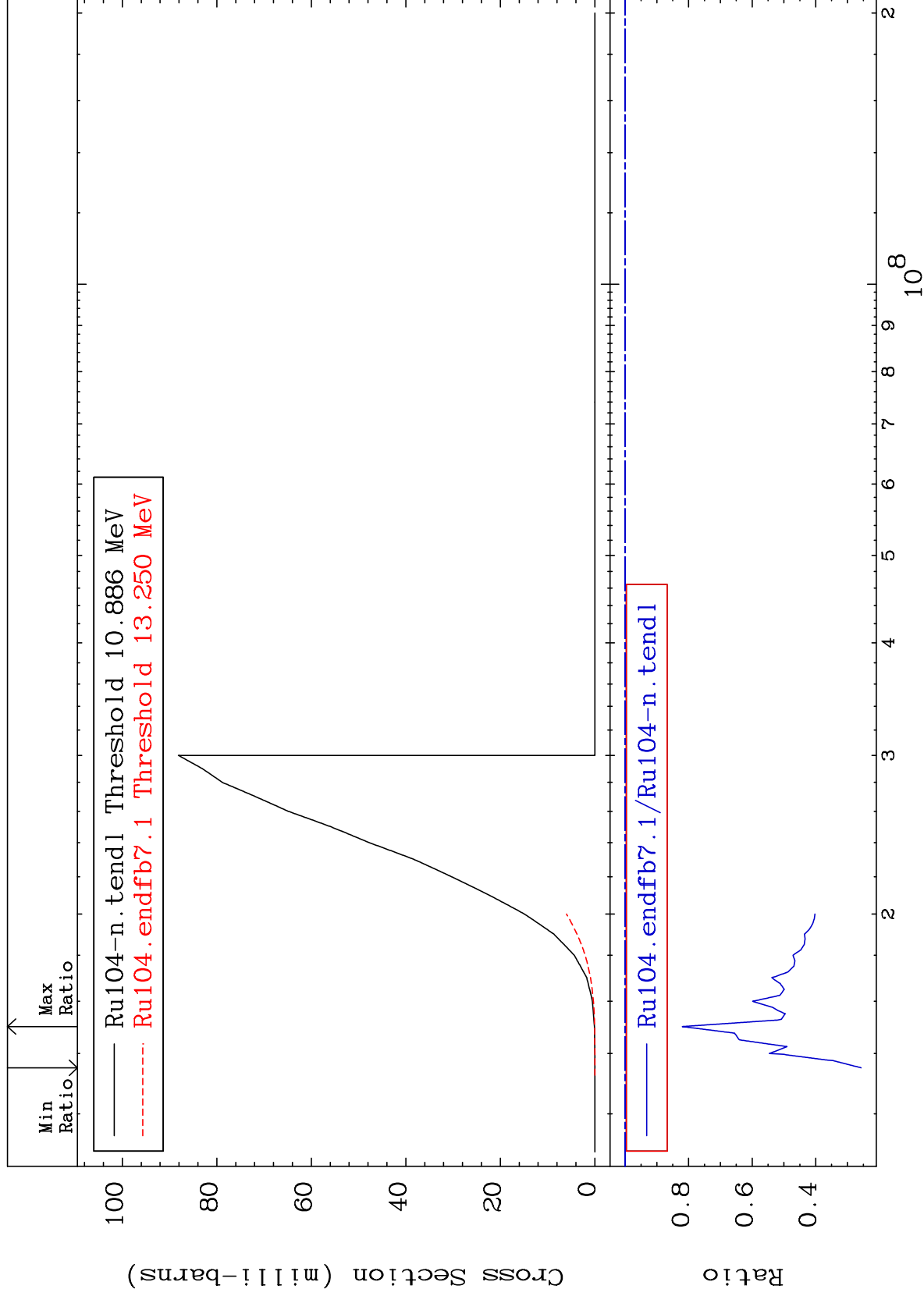
44-Ru-104

44-Ru-104

MAT 4449

(n,n') p  
Cross Section

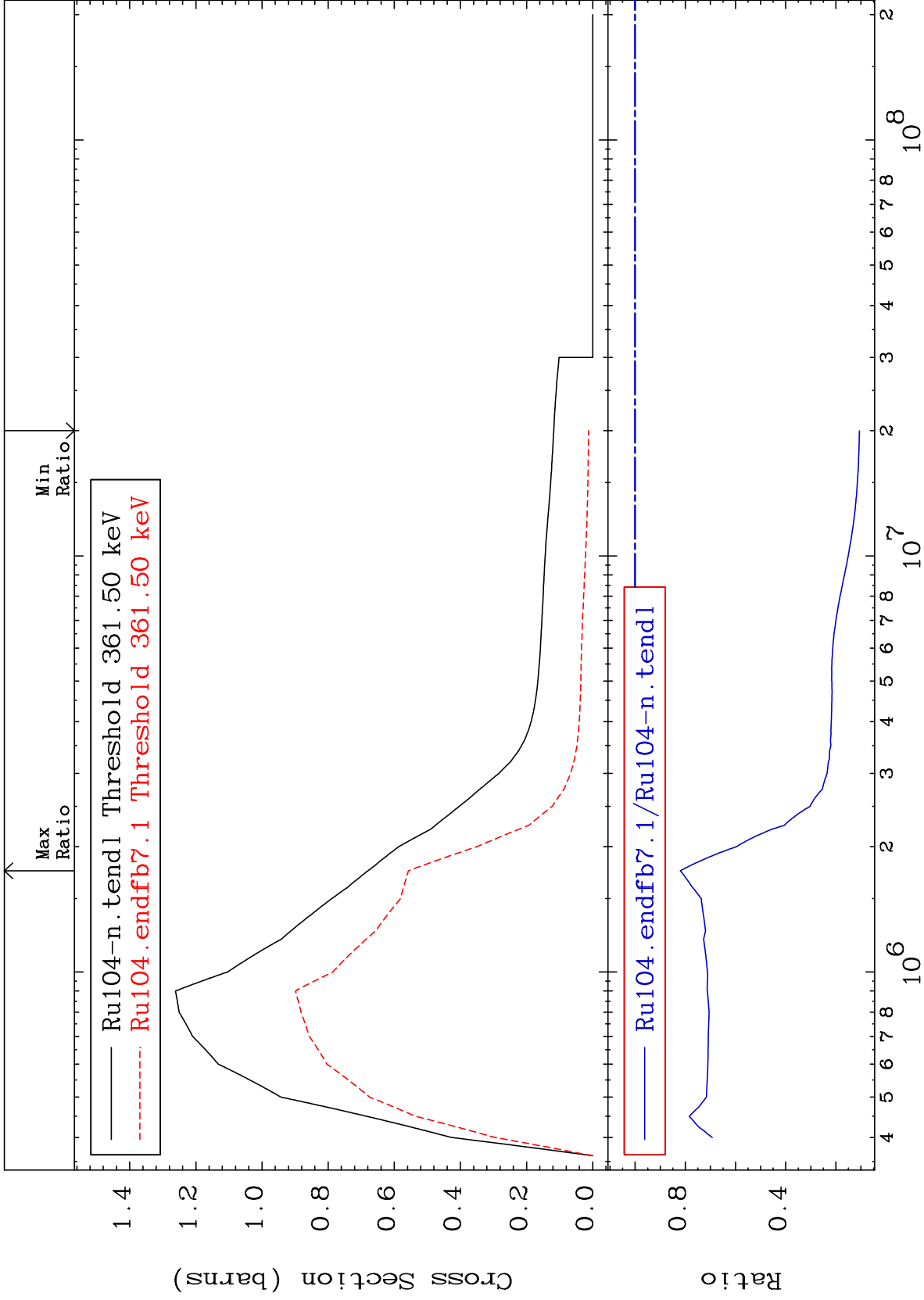
44-Ru-104  
-74.30 To -18.02%



MAT 4449

358.0 keV (n,n') Level  
Cross Section

44-Ru-104  
-89.39 To -18.02%



8

Incident Energy (eV)

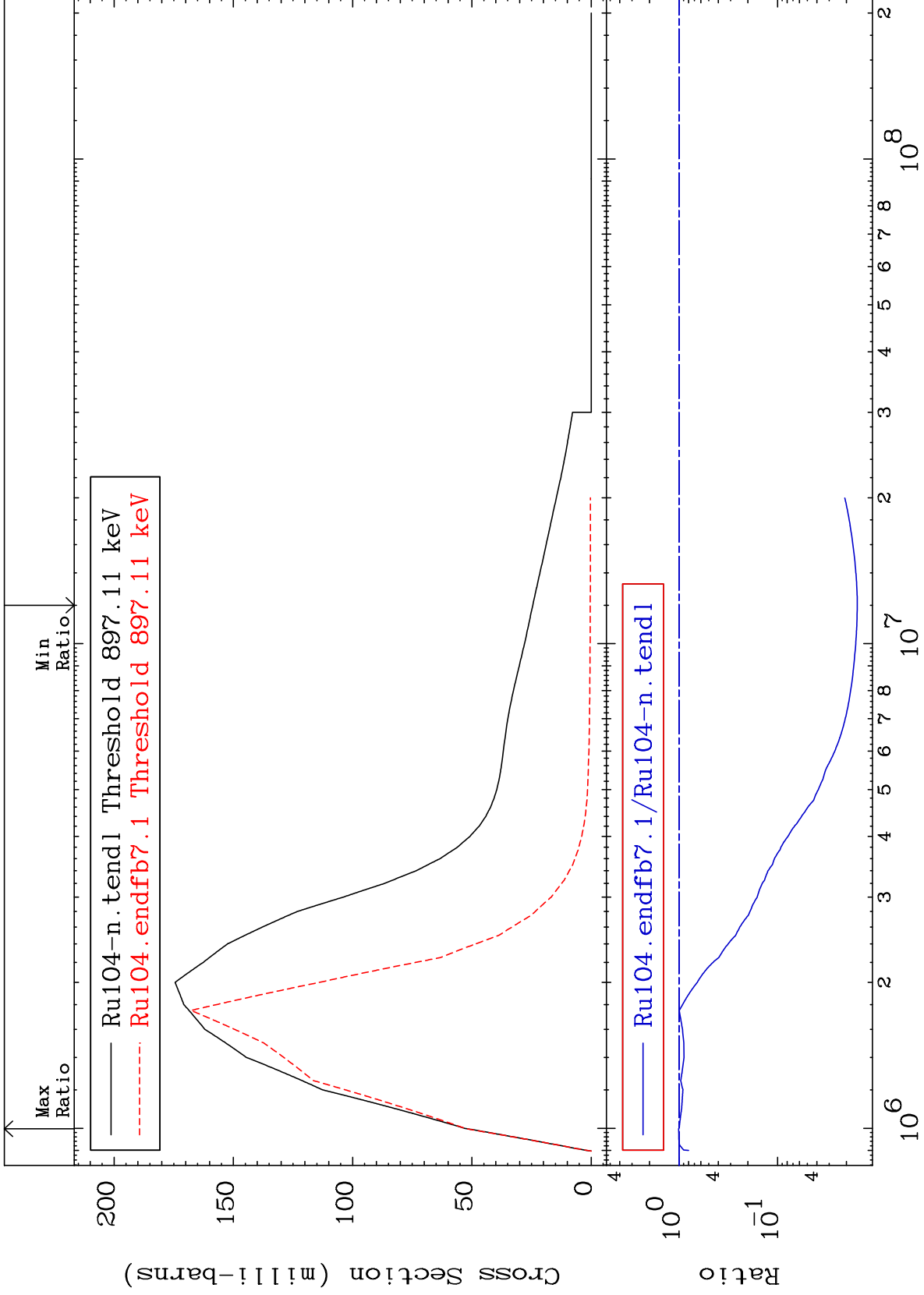
44-Ru-104



MAT 4449

888.5 keV (n,n') Level  
Cross Section

44-Ru-104  
-98.44 To 0.970 %



9

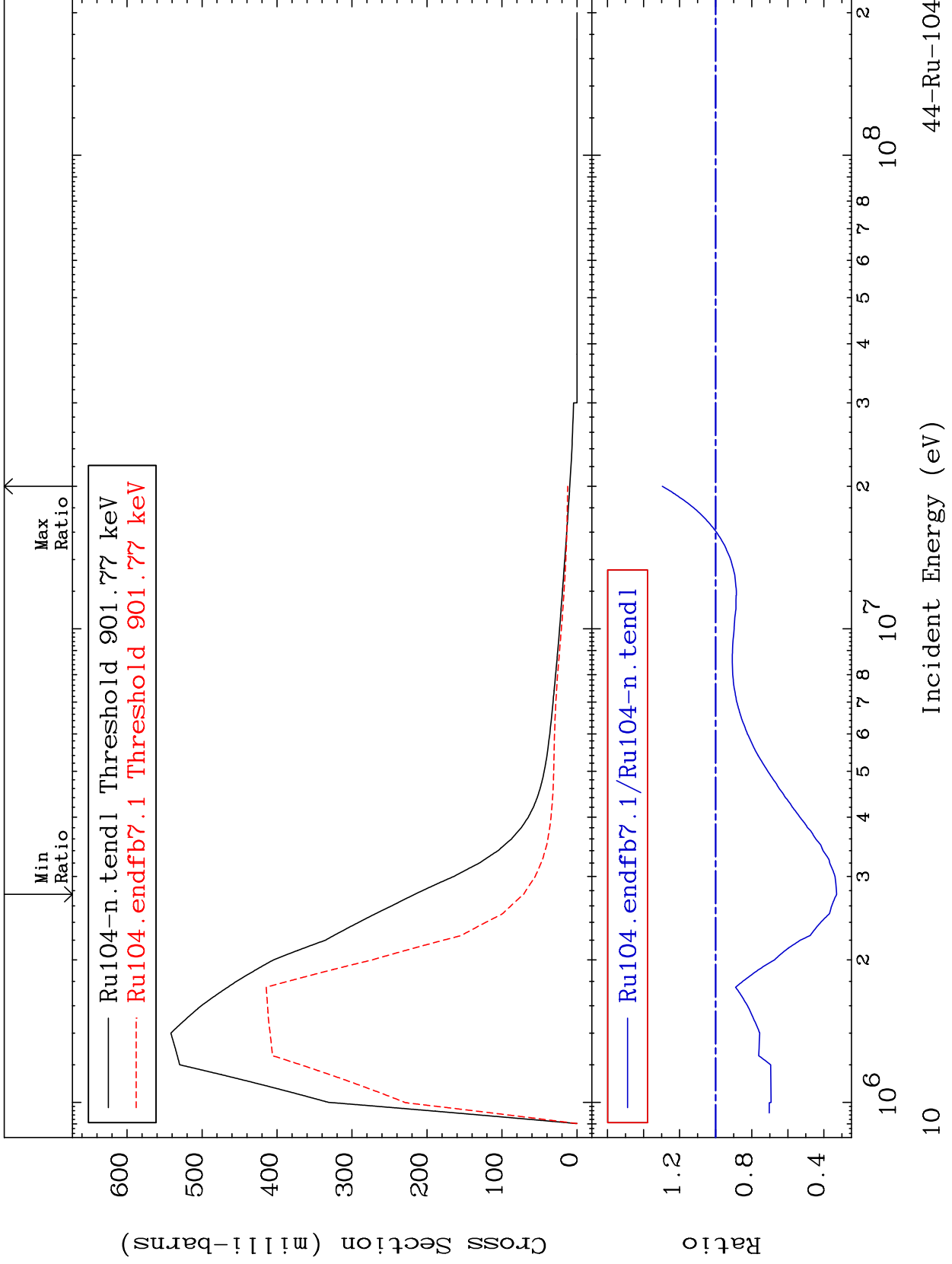
Incident Energy (eV)

44-Ru-104

MAT 4449

893.1 keV (n,n') Level  
Cross Section

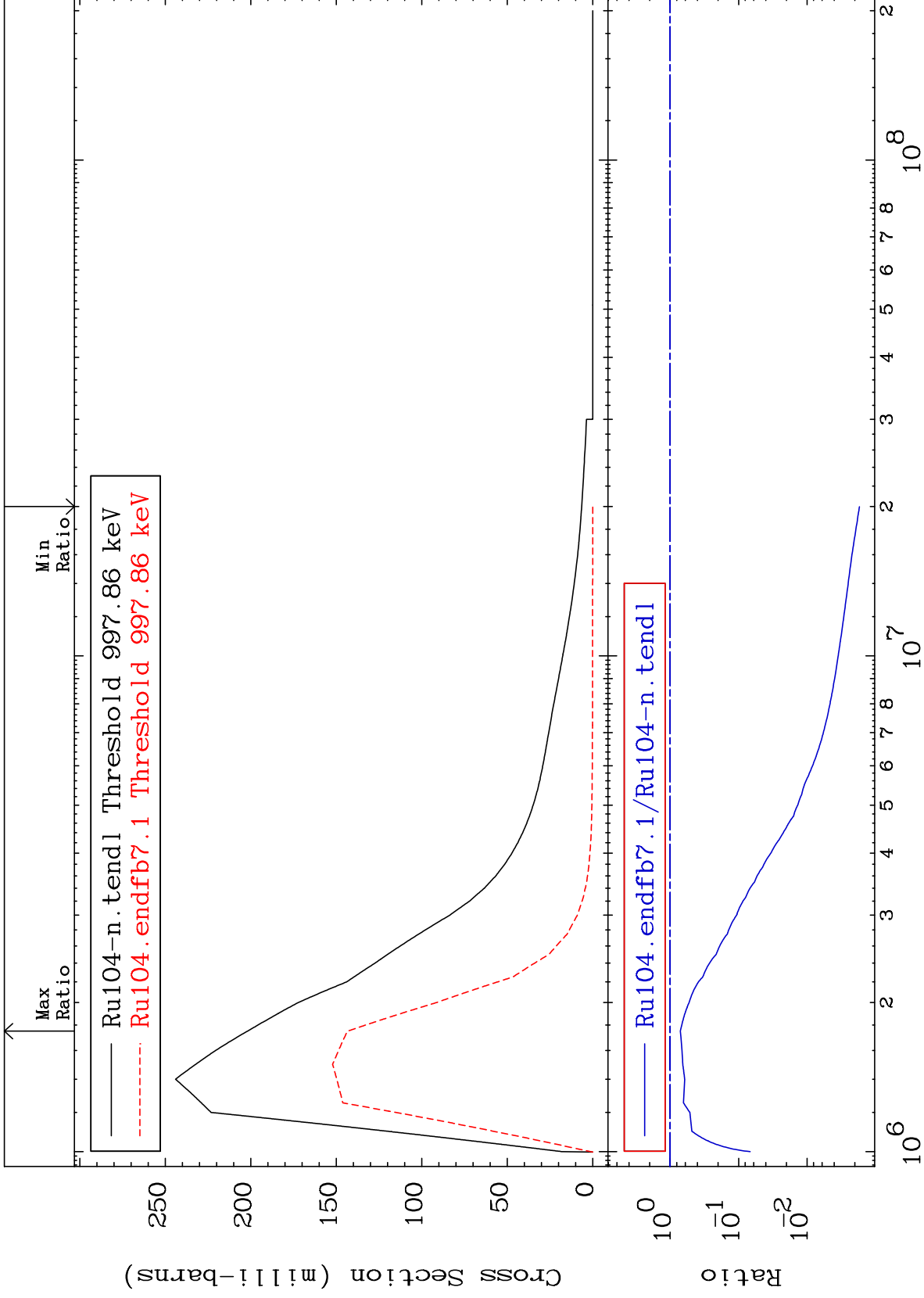
44-Ru-104  
-67.06 To 29.59 %



MAT 4449

988.3 keV (n,n') Level  
Cross Section

44-Ru-104  
-99.83 To -28.98%



Incident Energy (eV)

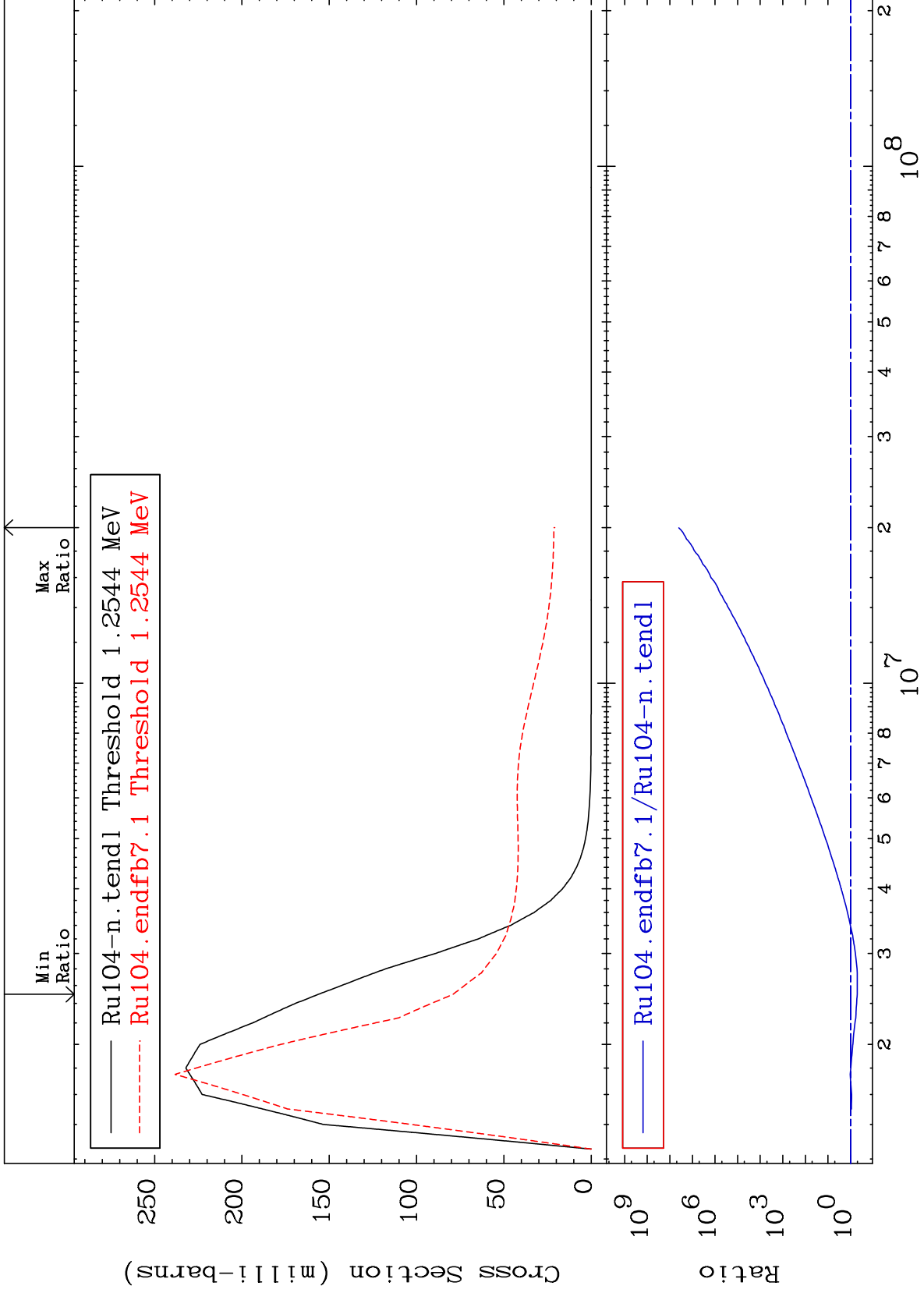
44-Ru-104

11

MAT 4449

1.242 MeV (n,n') Level  
Cross Section

44-Ru-104  
-49.42 To 9999. %



12

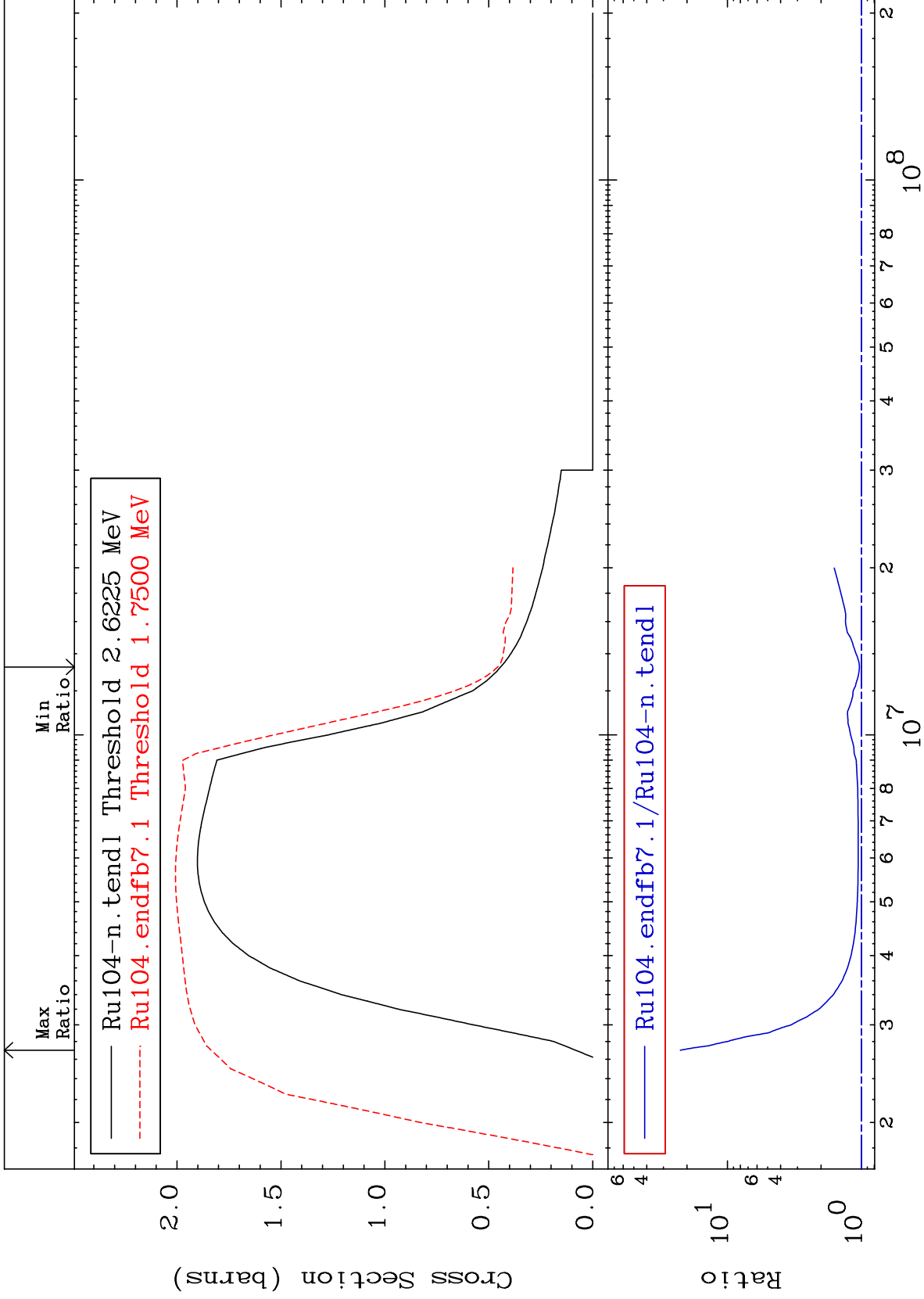
Incident Energy (eV)

44-Ru-104

MAT 4449

(n, n') Continuum  
Cross Section

44-Ru-104  
3.253 To 2145. %



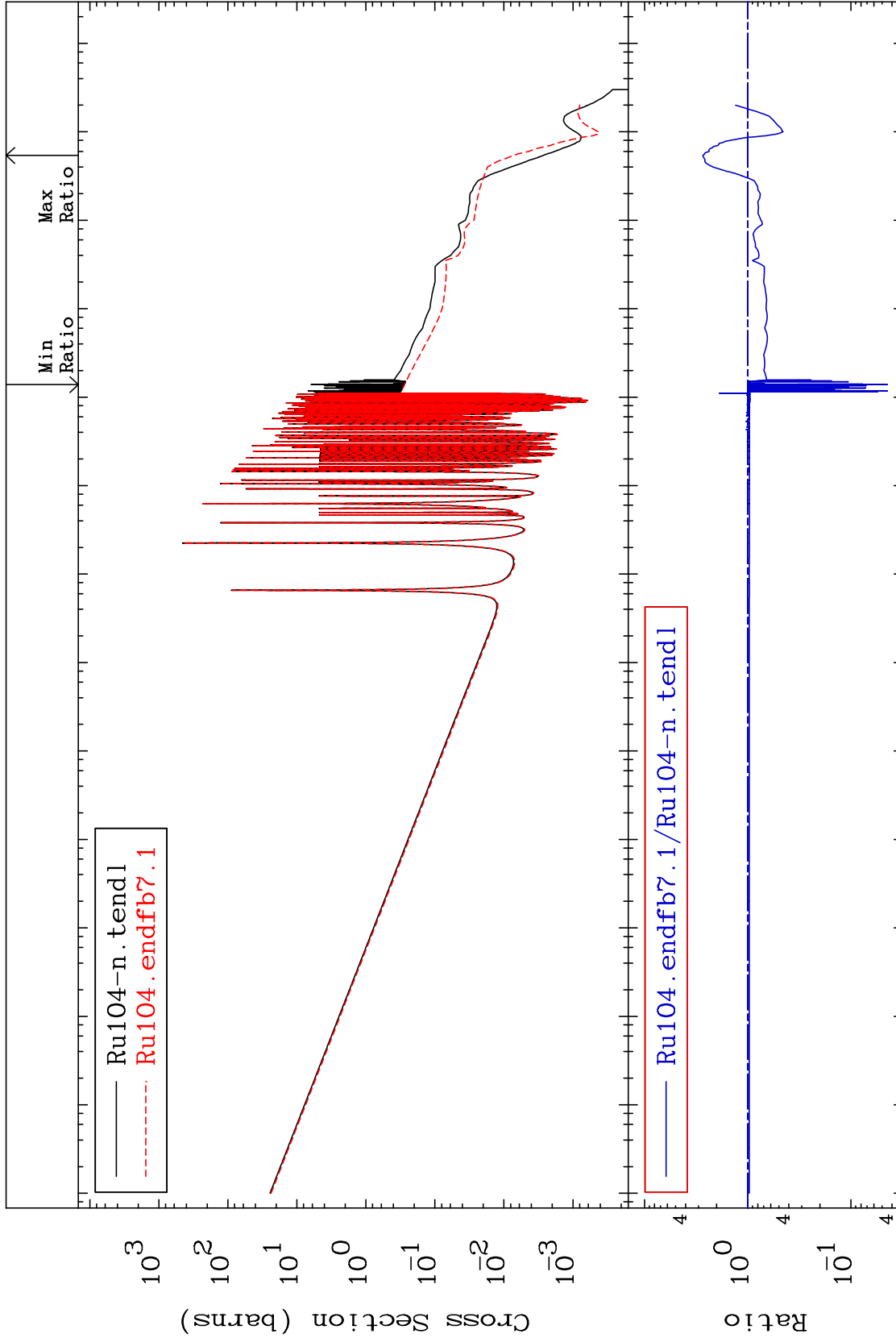
MAT 4449

(n,  $\gamma$ )

44-Ru-104

Cross Section

-95.57 To 172.1 %



Incident Energy (eV)

44-Ru-104

14

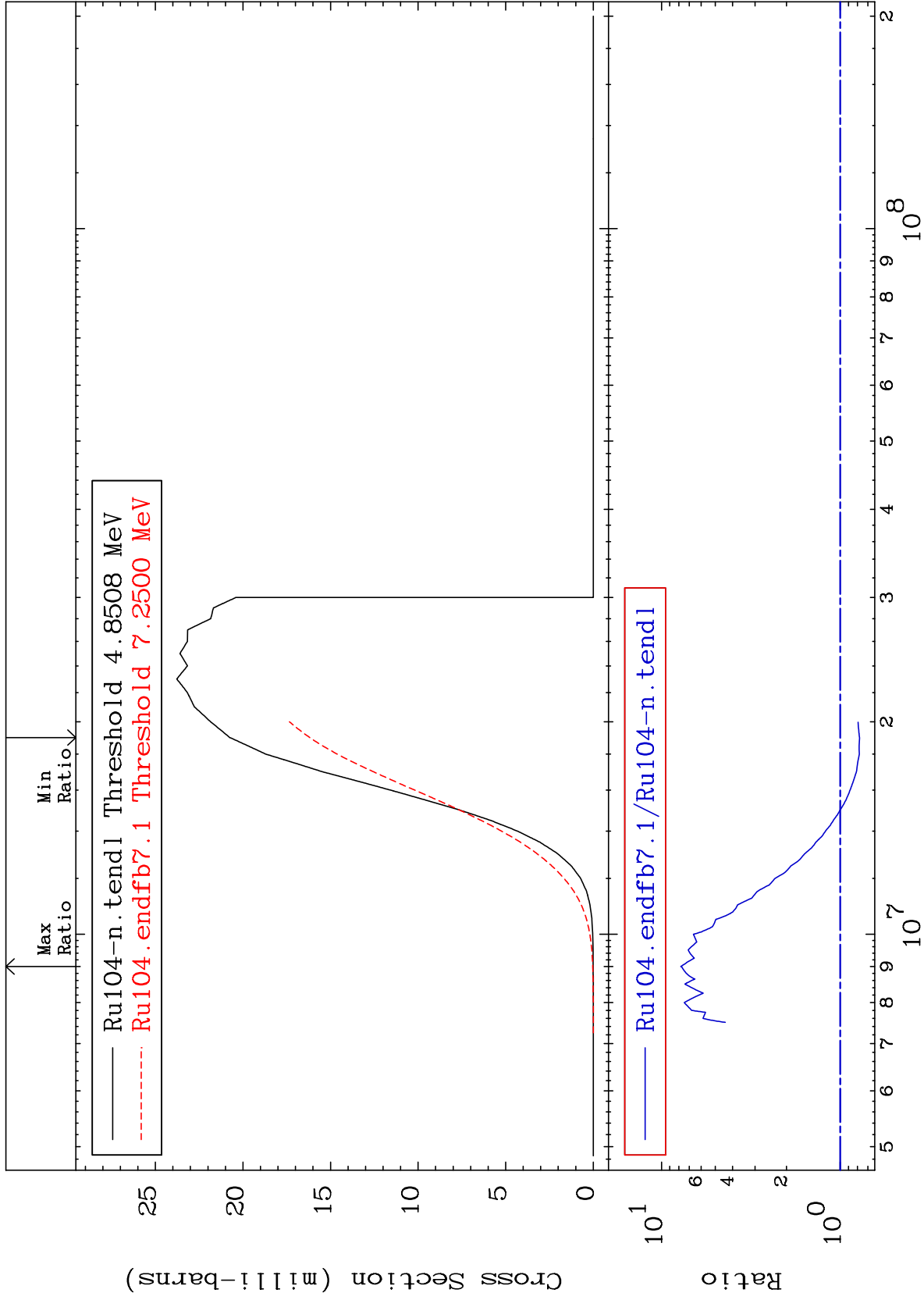
MAT 4449

(n,p)

44-Ru-104

Cross Section

-22.02 To 680.1 %



15

44-Ru-104

44-Ru-104

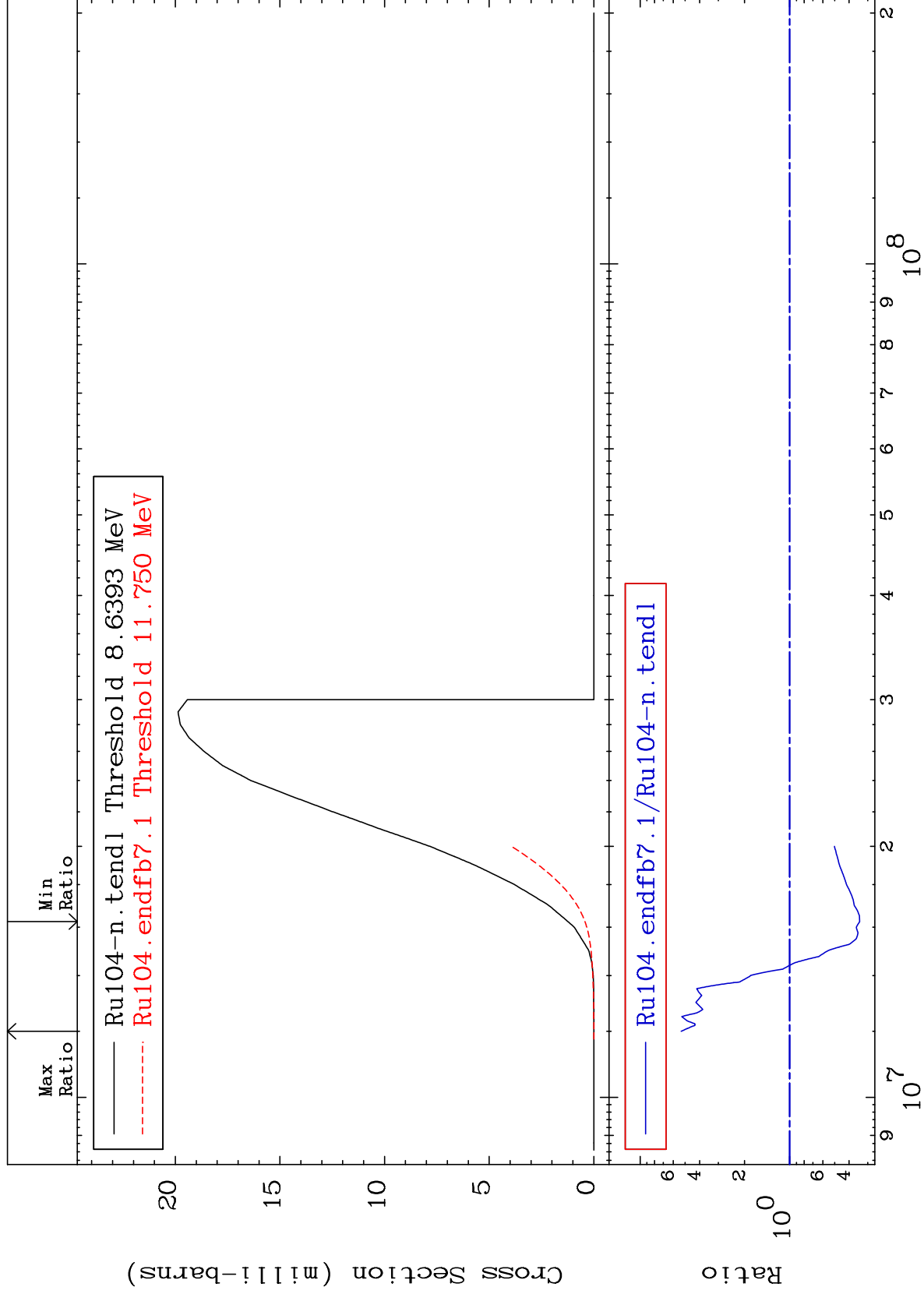
MAT 4449

(n, d)

44-Ru-104

Cross Section

-65.98 To 431.2 %



16

44-Ru-104

44-Ru-104



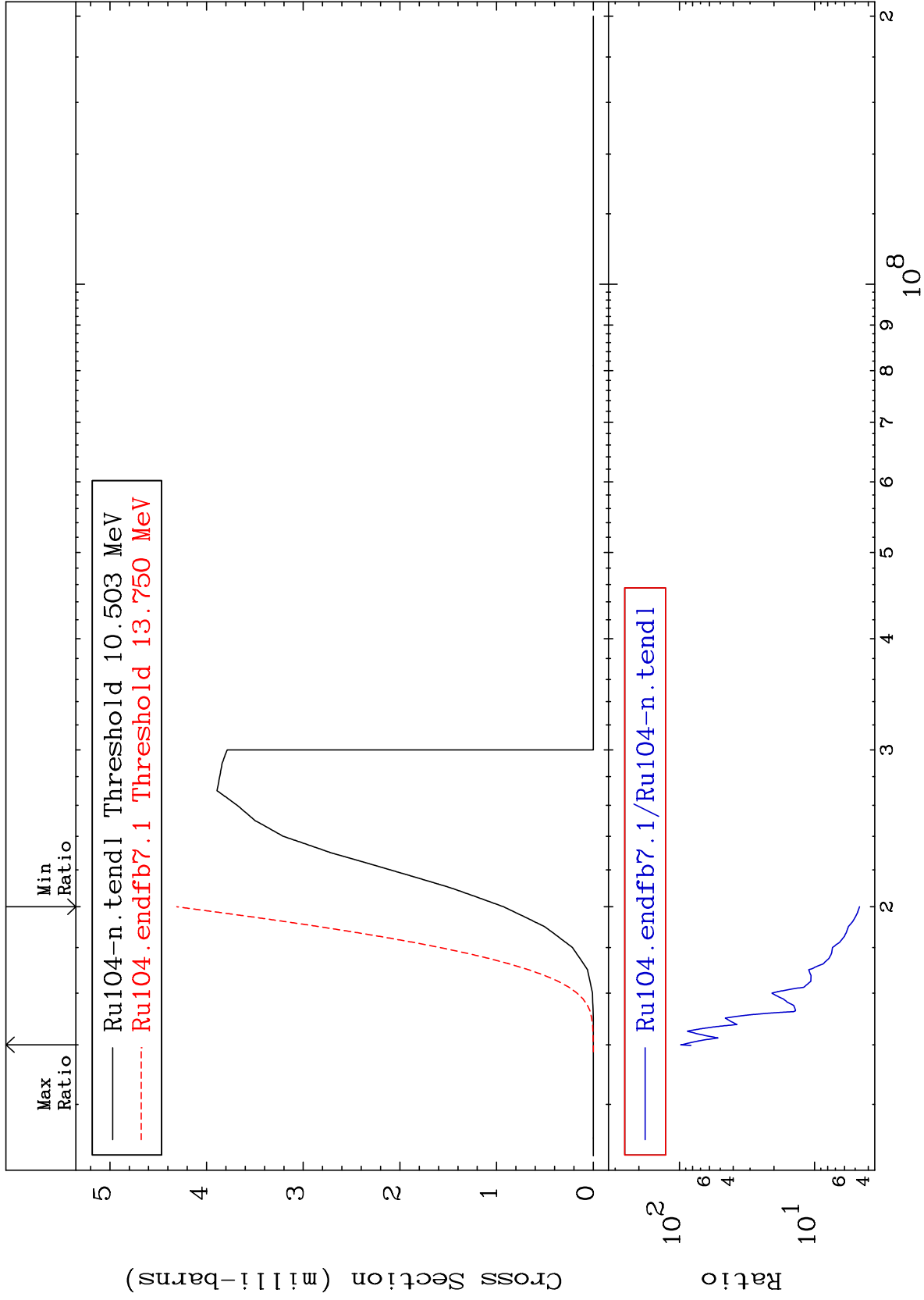
MAT 4449

(n, t)

44-Ru-104

Cross Section

364.4 To 9692. %



17

Incident Energy (eV)

44-Ru-104

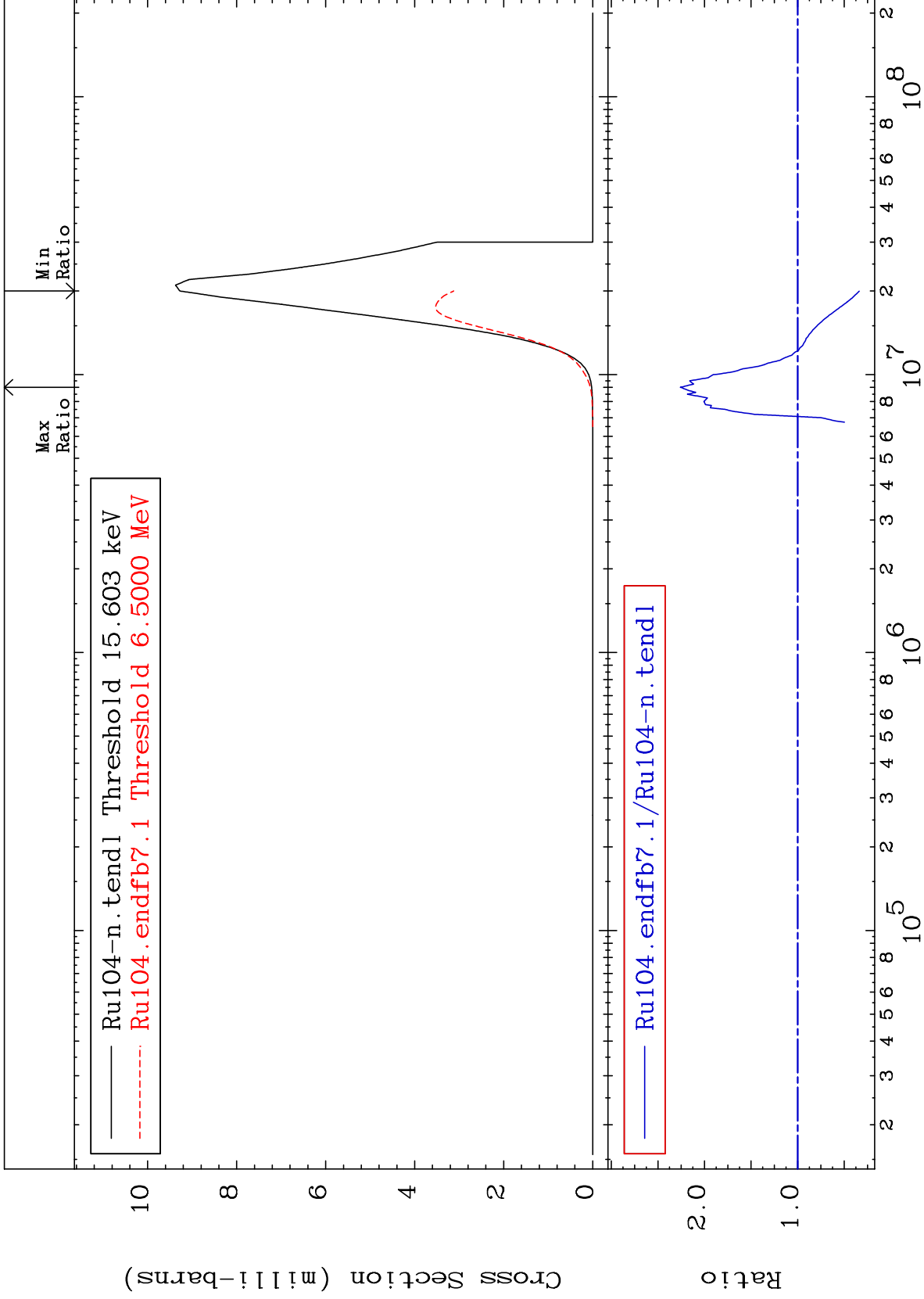
MAT 4449

(n,  $\alpha$ )

44-Ru-104

Cross Section

-66.32 To 125.9 %



18

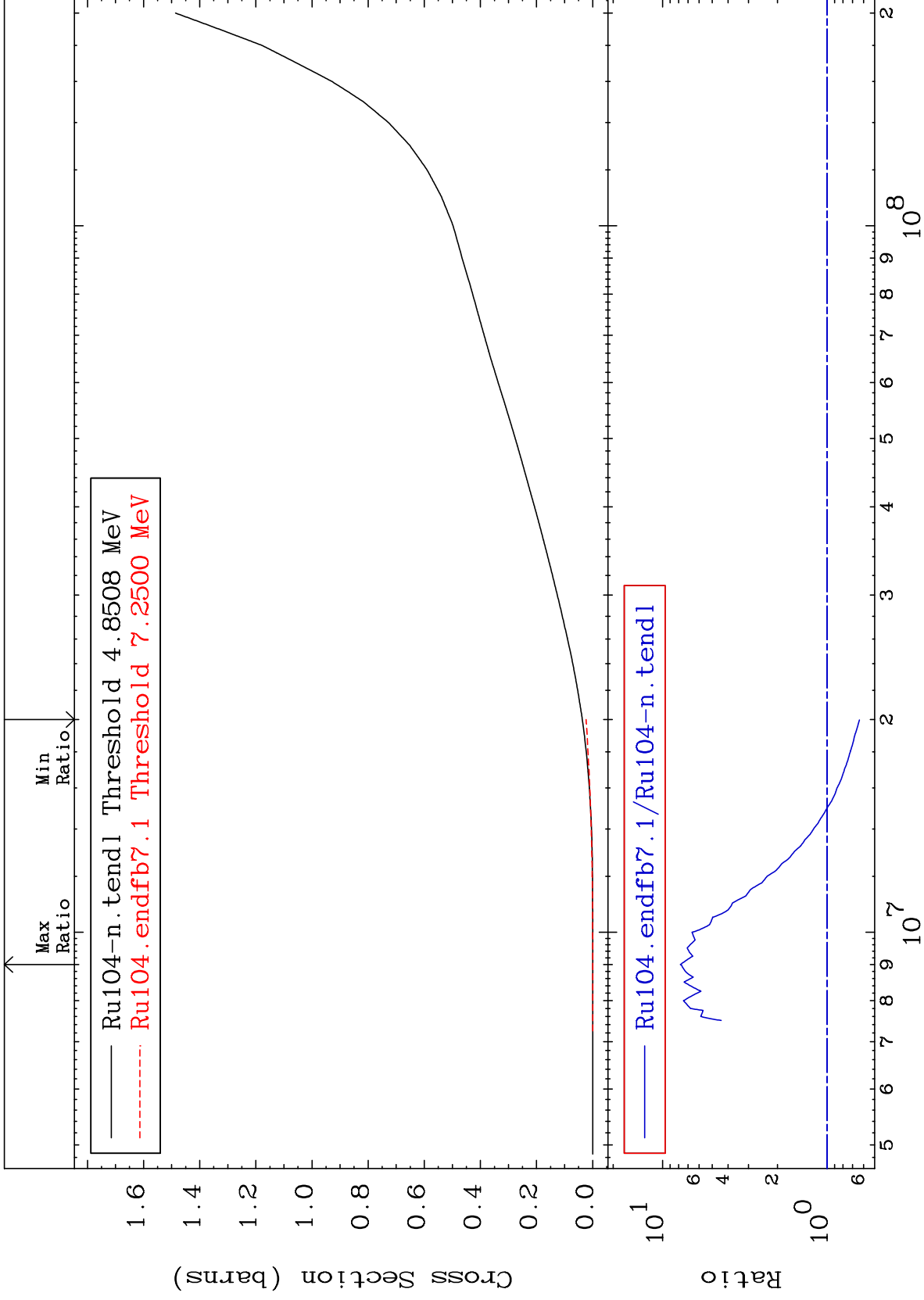
Incident Energy (eV)

44-Ru-104

MAT 4449

Hydrogen Production  
Cross Section

44-Ru-104  
-36.48 To 680.1 %



19

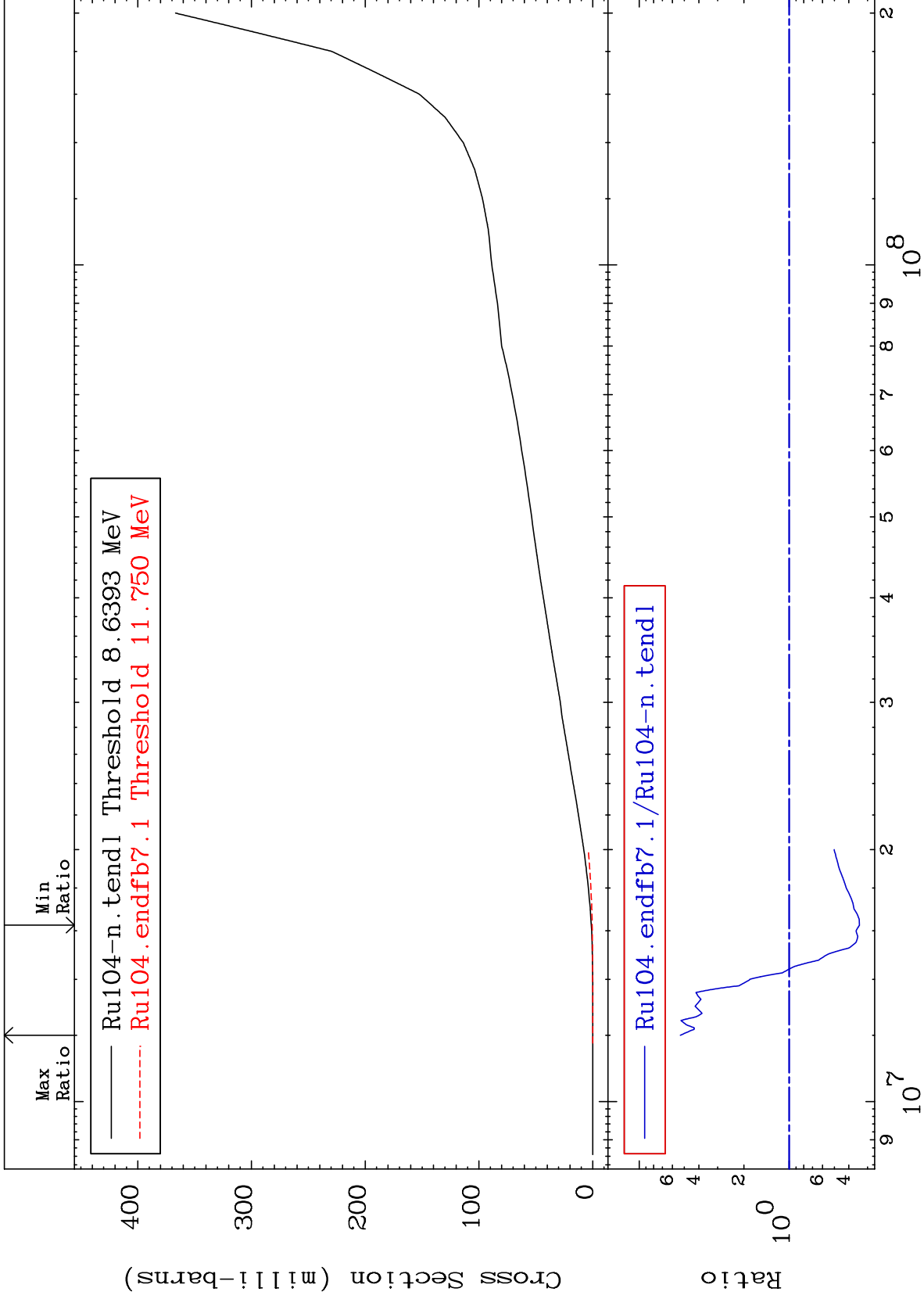
Incident Energy (eV)

44-Ru-104

MAT 4449

Deuterium Production  
Cross Section

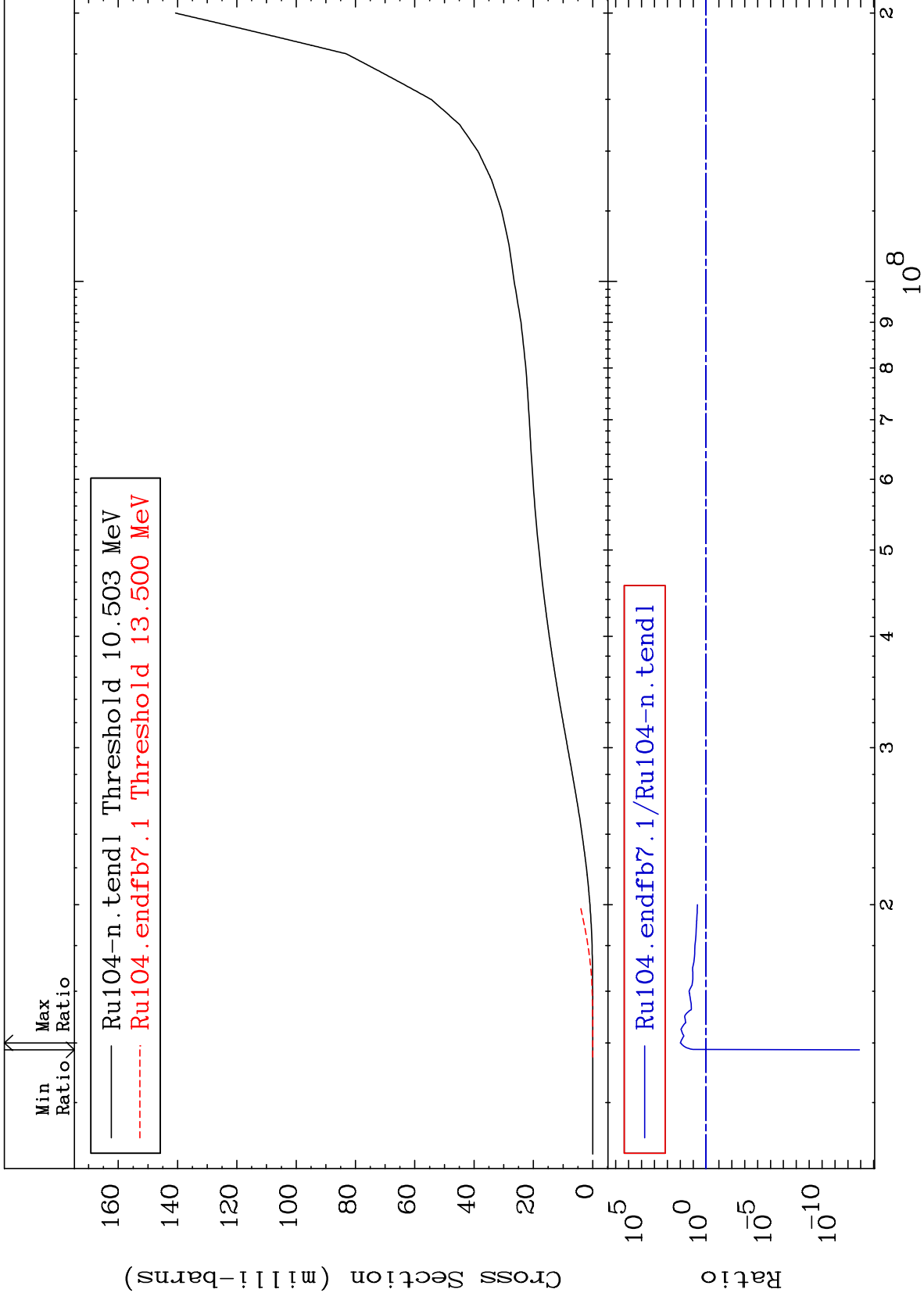
44-Ru-104  
-65.98 To 431.2 %



20

Incident Energy (eV)

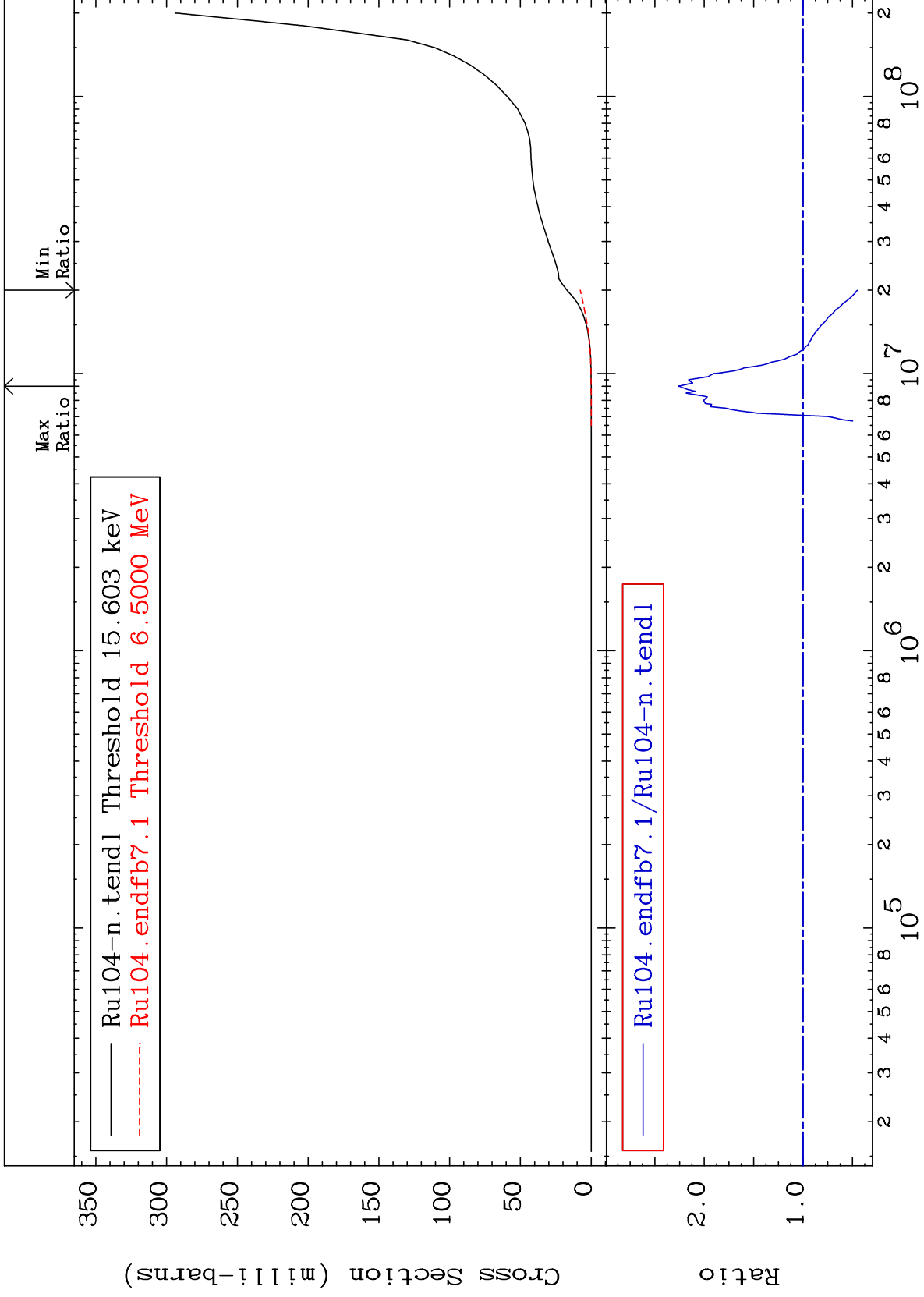
44-Ru-104



MAT 4449

He-4 Production  
Cross Section

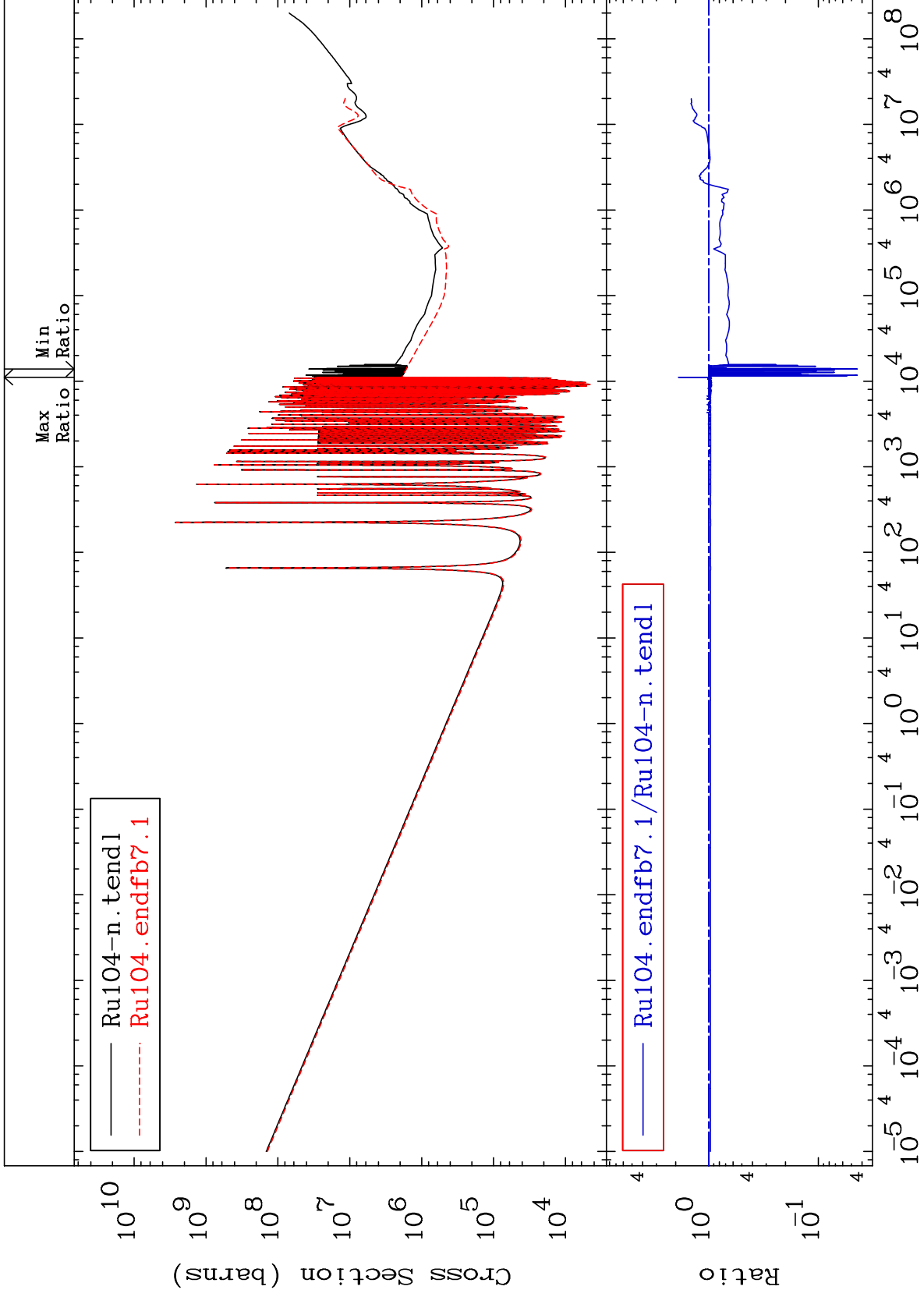
44-Ru-104  
-54.87 To 125.9 %



MAT 4449

Kerma total (eV-barns)  
Cross Section

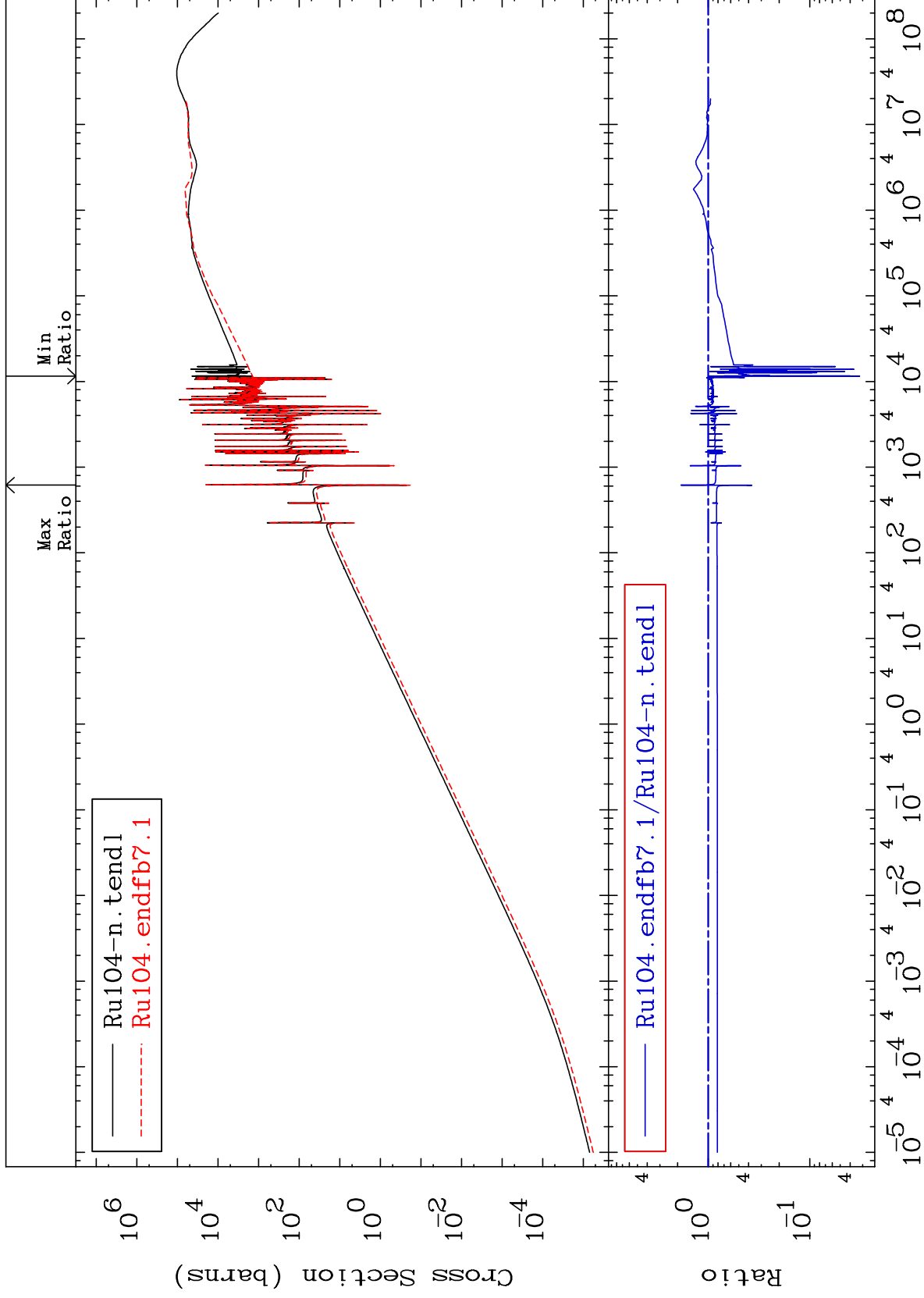
44-Ru-104  
-95.57 To 87.91 %



MAT 4449

Kerma elastic  
Cross Section

44-Ru-104  
-96.77 To 86.55 %

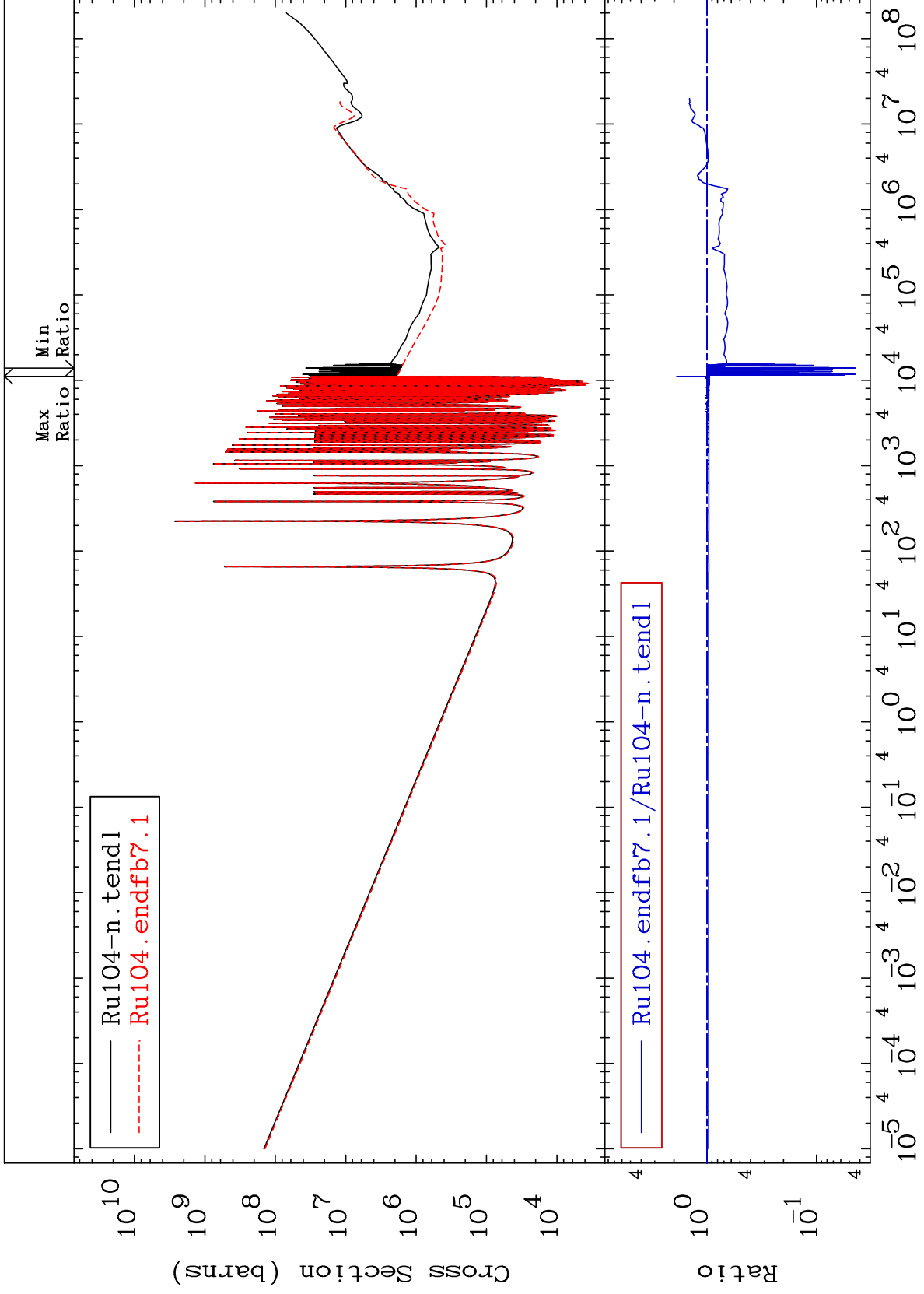




MAT 4449

Kerma non-elastic (all but mt2)  
Cross Section

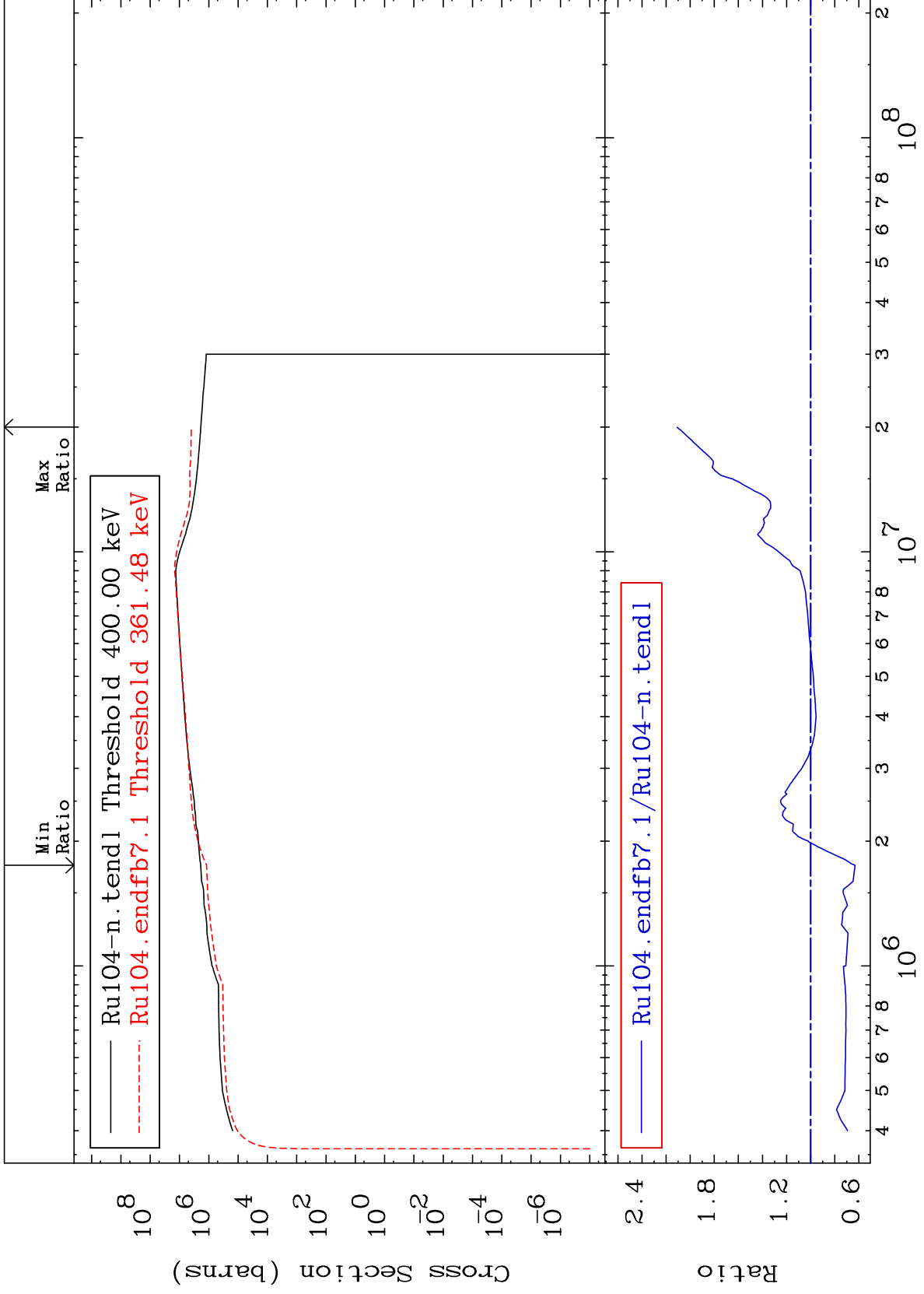
44-Ru-104  
-95.57 To 88.25 %



MAT 4449

Kerma inelastic (mt51-91)  
Cross Section

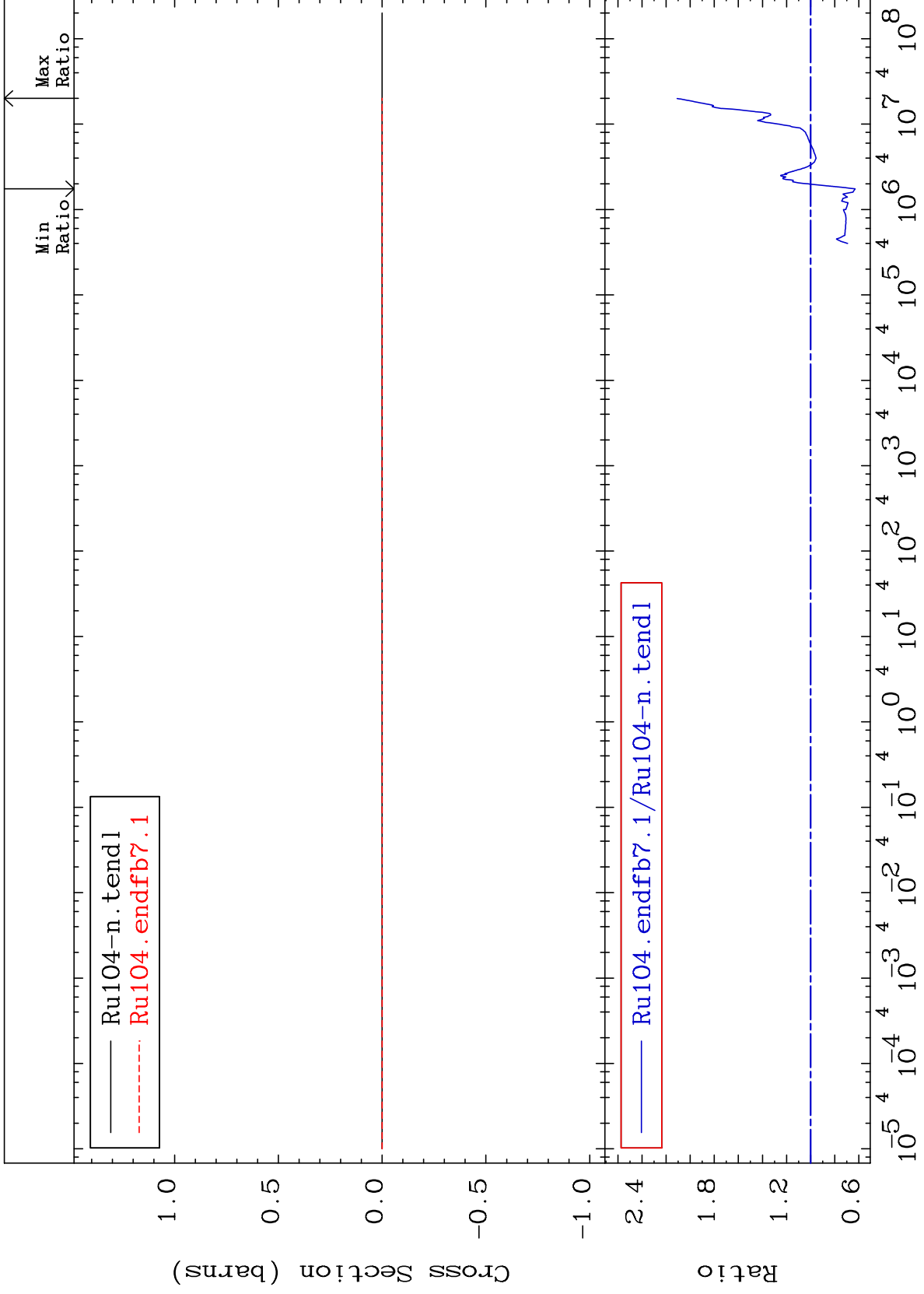
44-Ru-104  
-36.94 To 111.0 %



MAT 4449

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

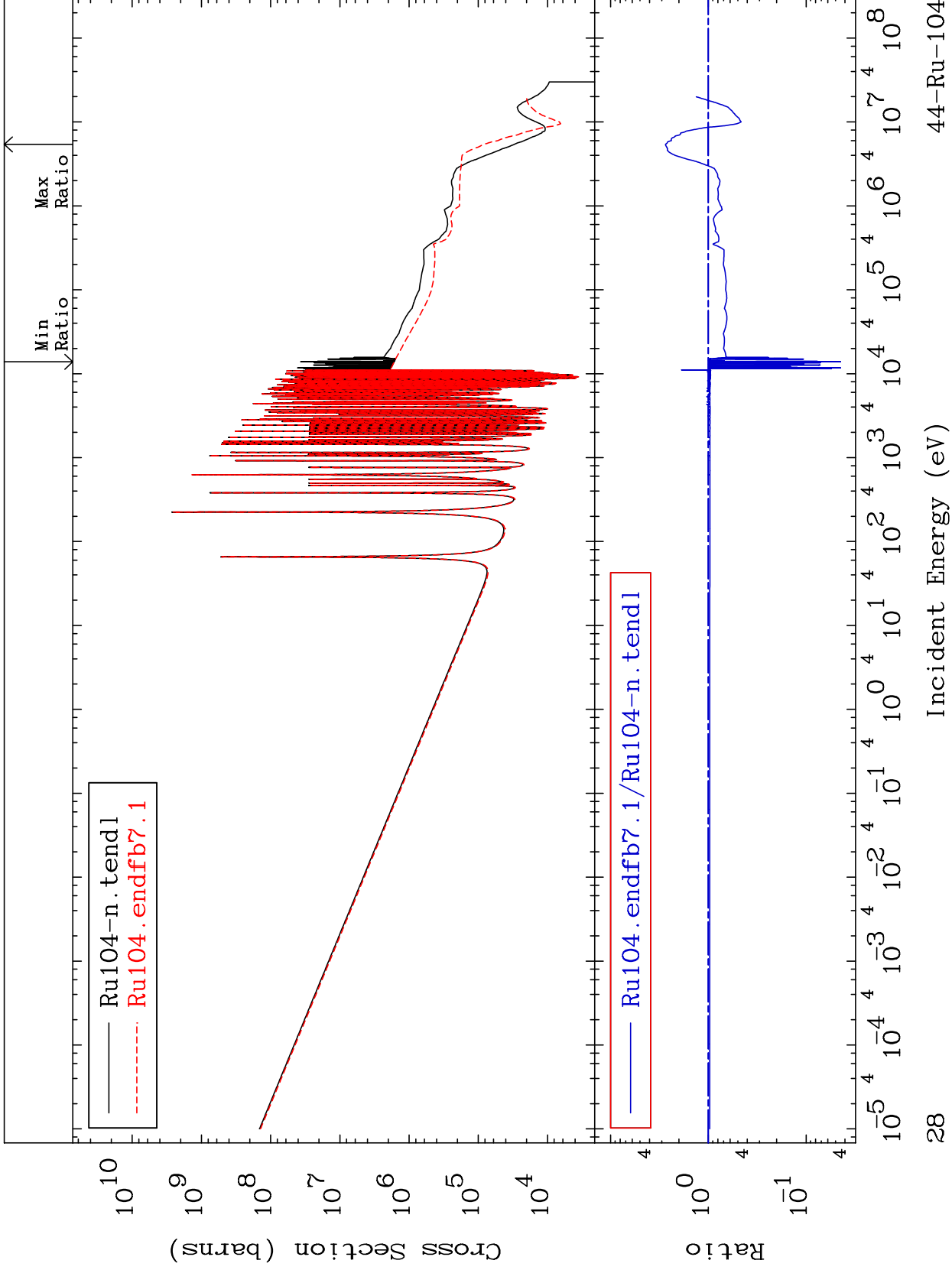
44-Ru-104  
-36.94 To 111.0 %



MAT 4449

Kerma capture (mt102)  
Cross Section

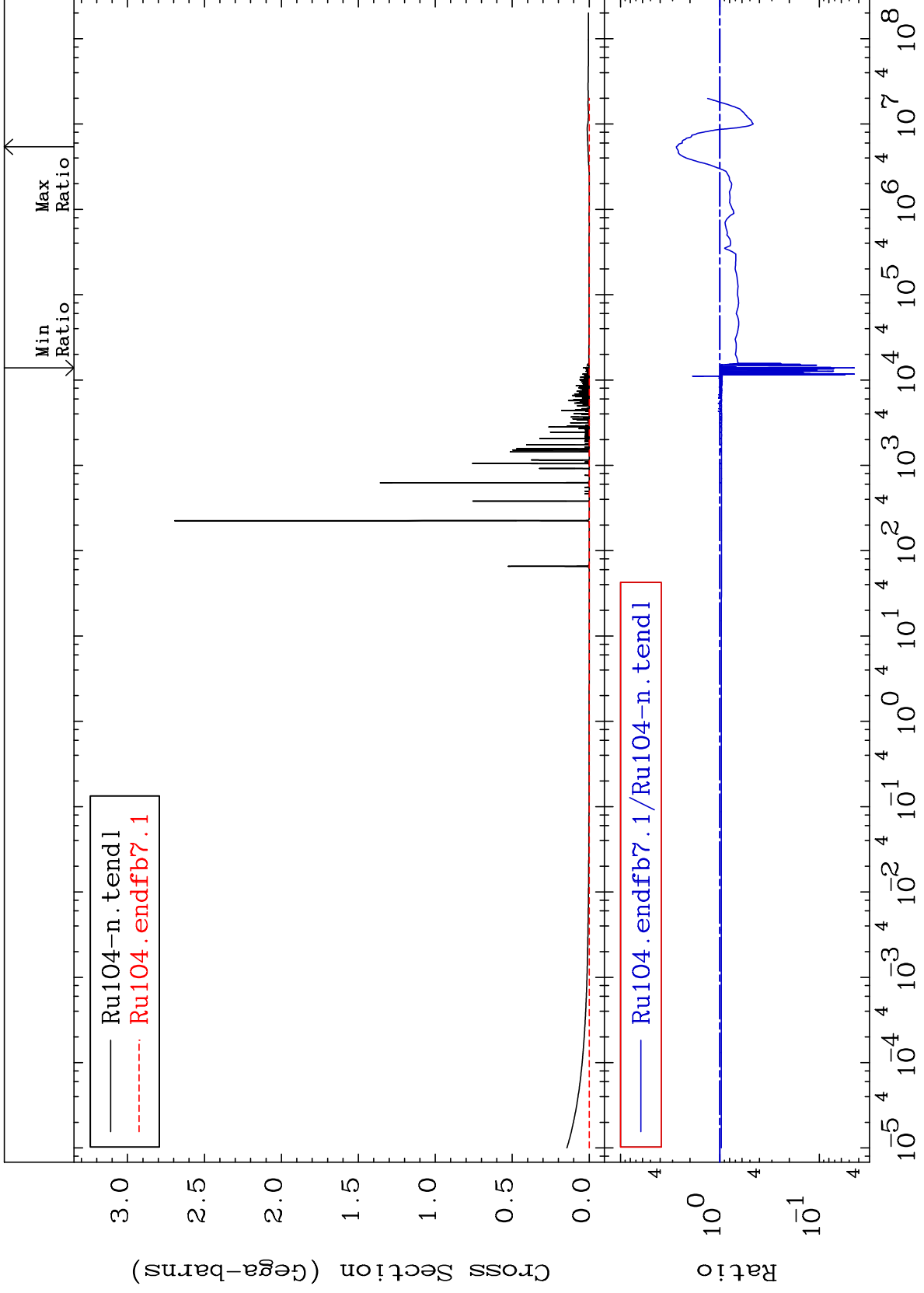
44-Ru-104  
-95.57 To 174.4 %



MAT 4449

Total photon (eV-barns)  
Cross Section

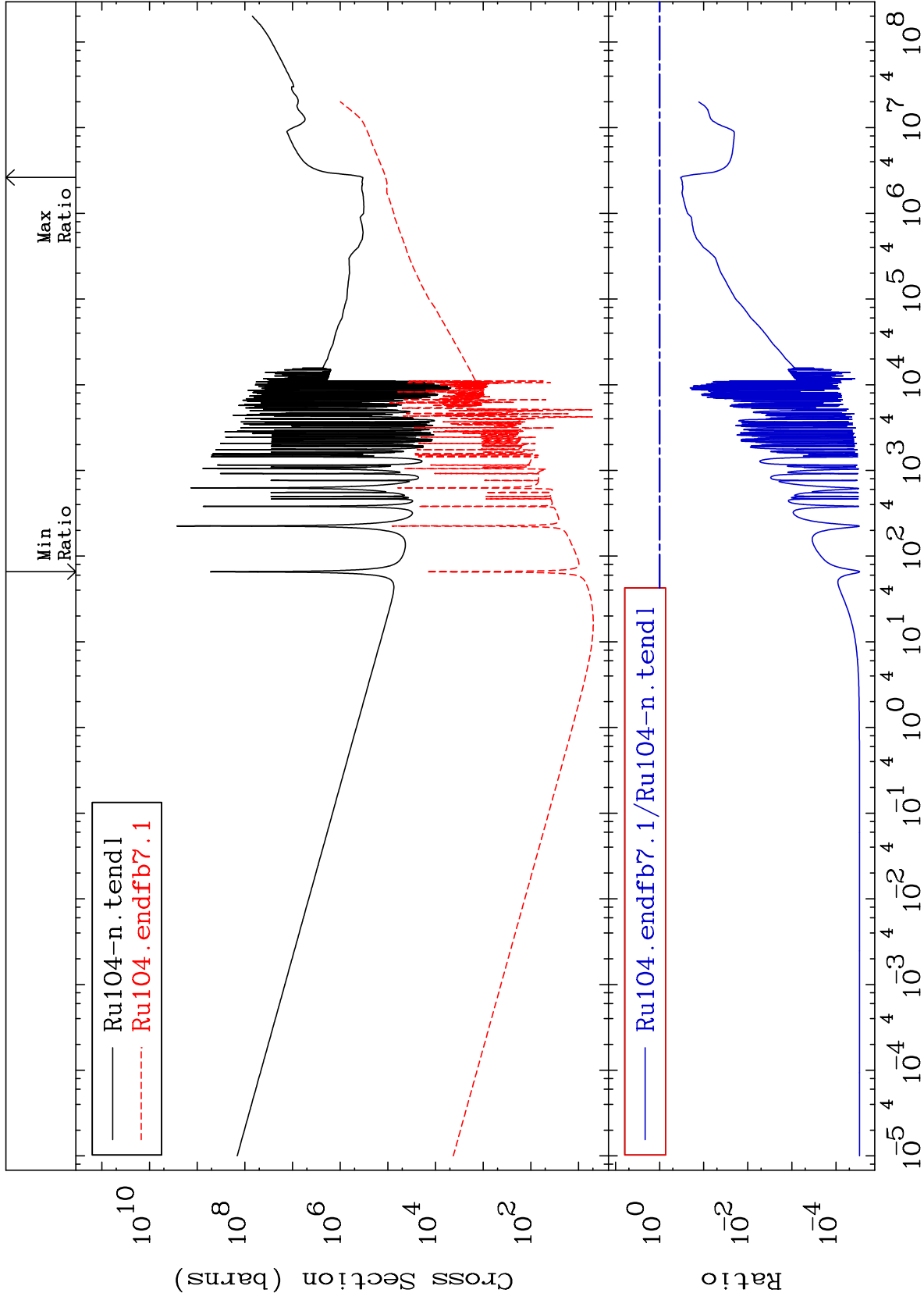
44-Ru-104  
-95.57 To 174.4 %



MAT 4449

Total kinematic kerma (high limit)  
Cross Section

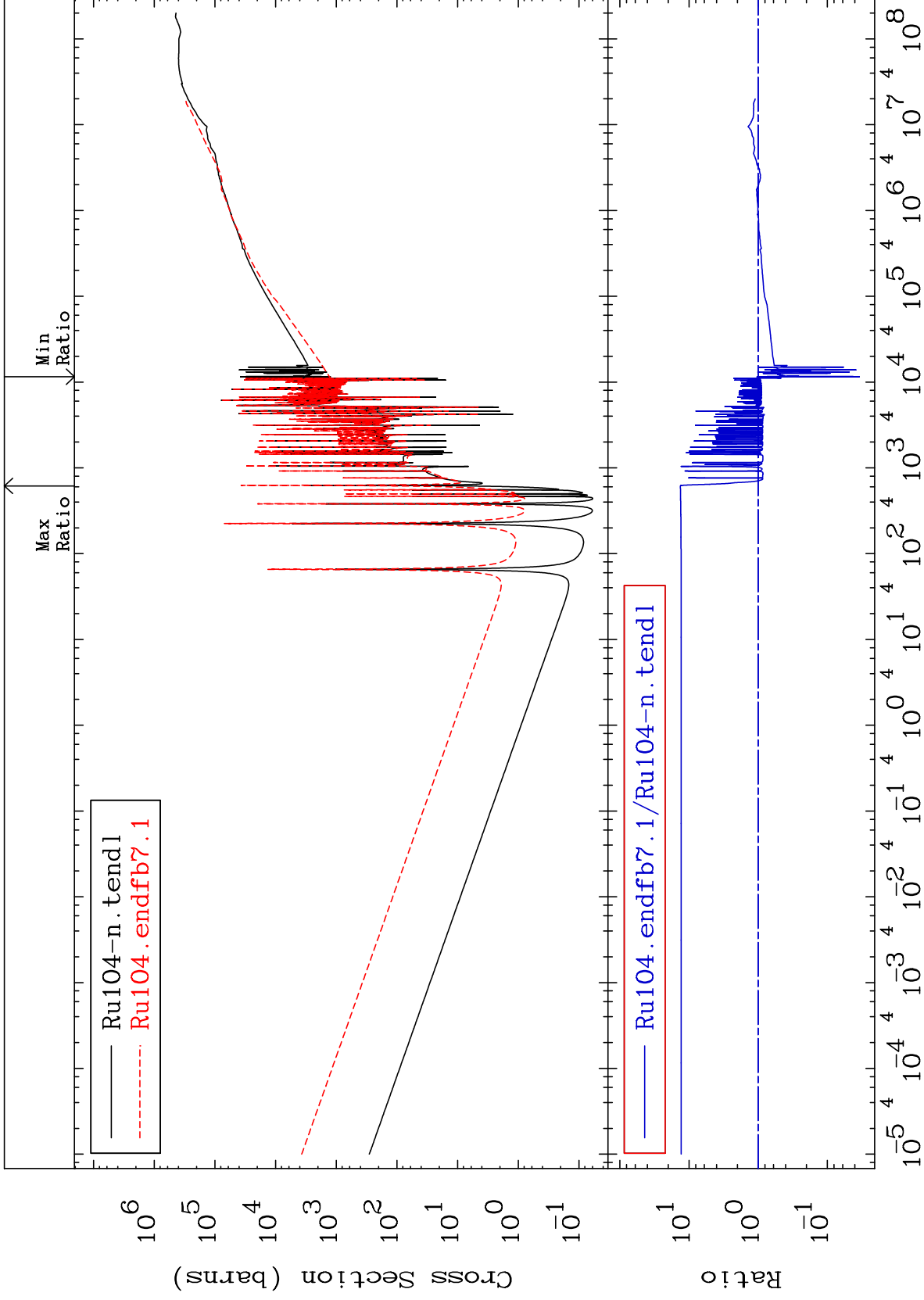
44-Ru-104  
-100.0 To -66.89%



30

Incident Energy (eV)

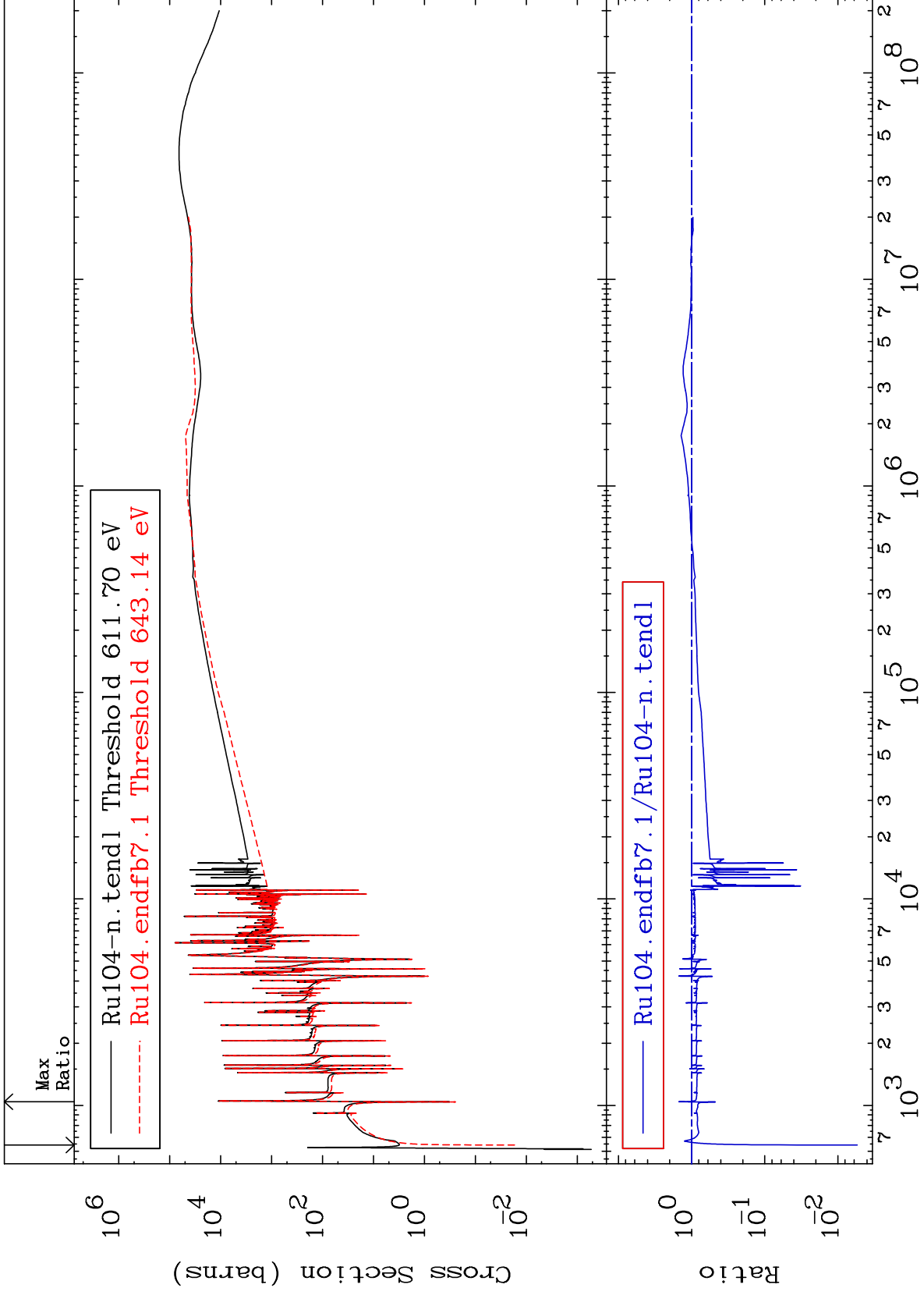
44-Ru-104



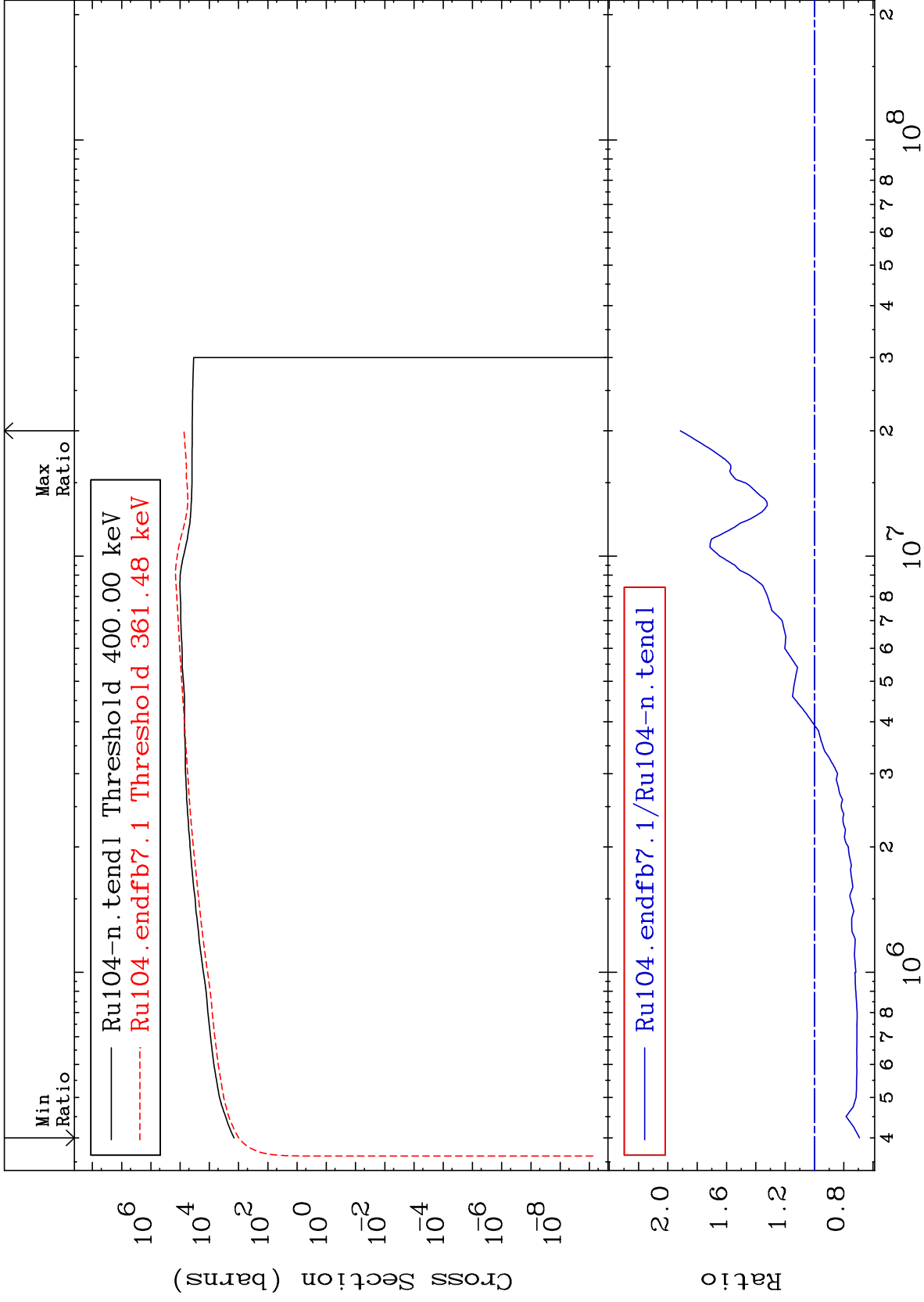
MAT 4449

Dpa elastic (mt2)  
Cross Section

44-Ru-104  
-99.46 To 50.66 %







MAT 4449

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-104  
-16.08 To 9999. %

