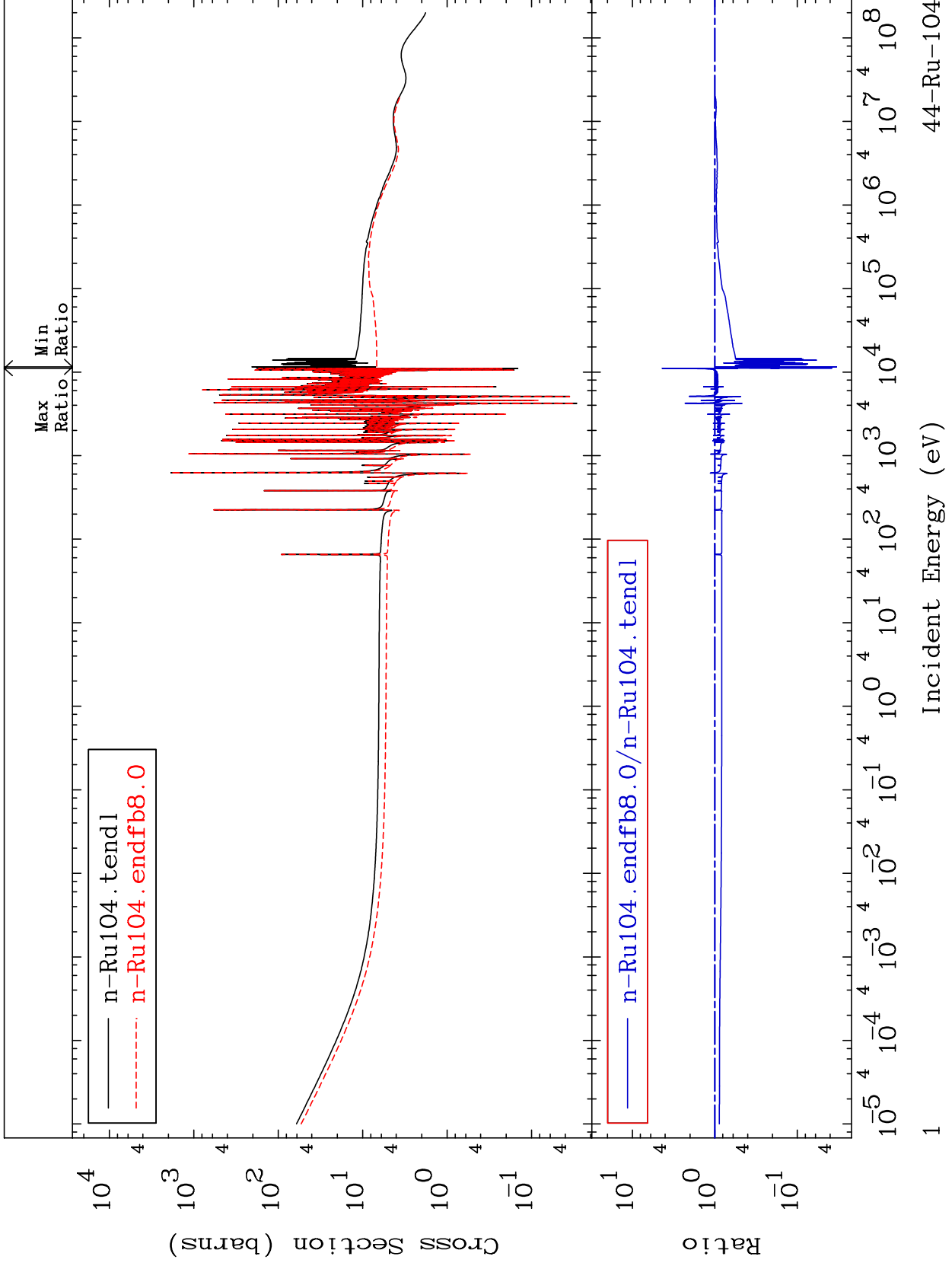


MAT 4449

Total  
Cross Section

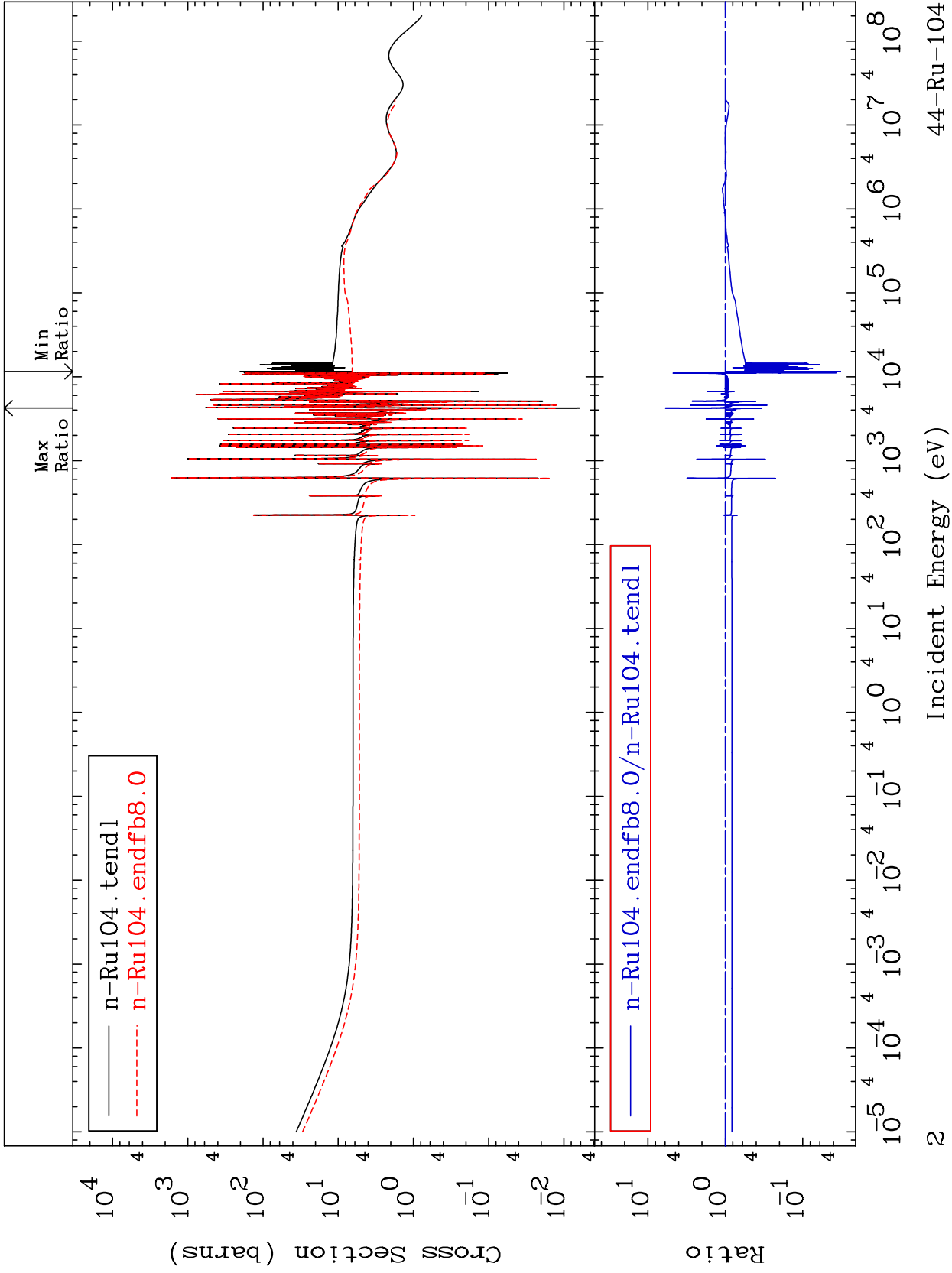
44-Ru-104  
-96.67 To 333.1 %



MAT 4449

Elastic  
Cross Section

44-Ru-104  
-96.77 To 493.2 %



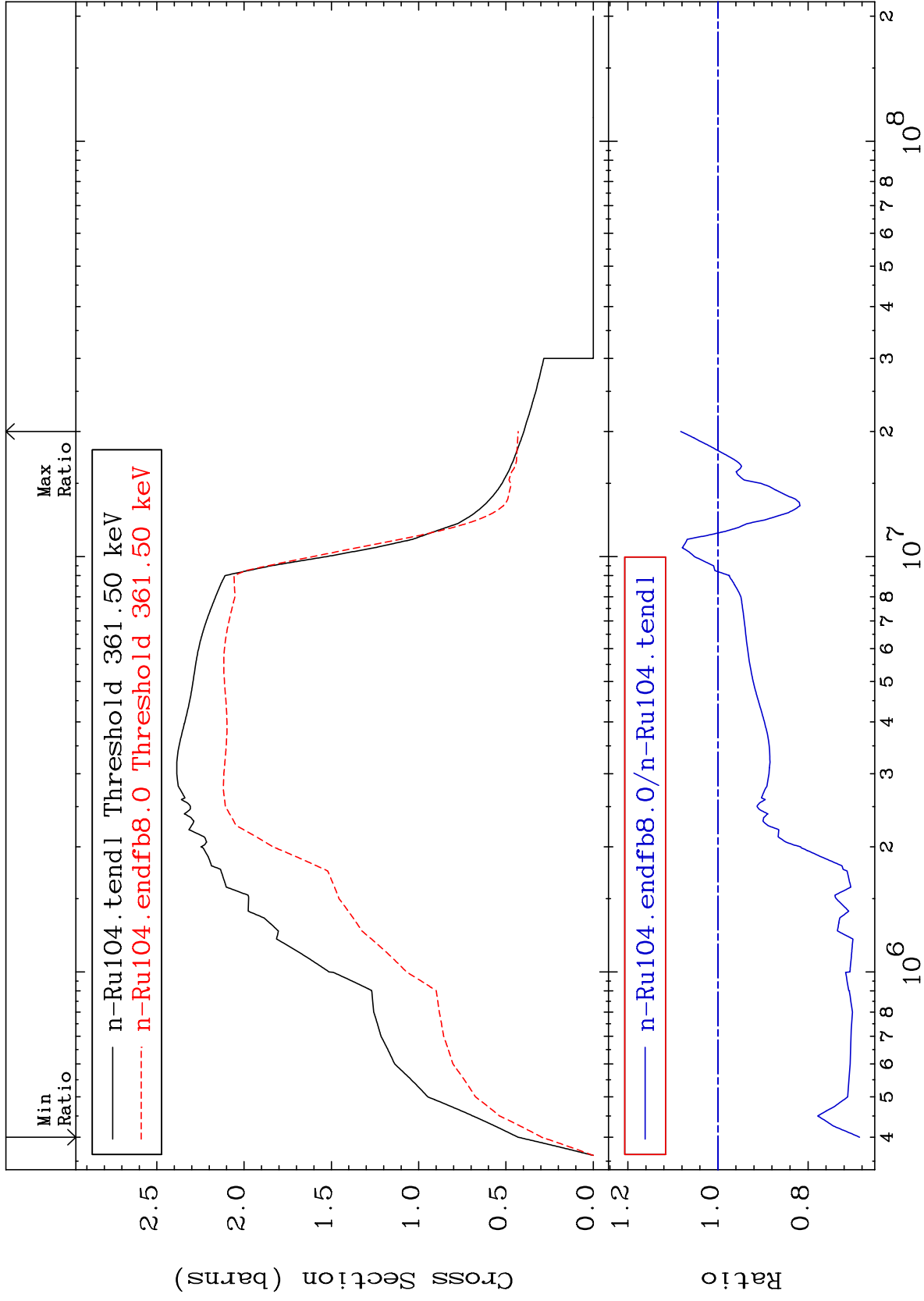
MAT 4449

Inelastic

44-Ru-104

Cross Section

-31.44 To 8.255 %



3

Incident Energy (eV)

44-Ru-104

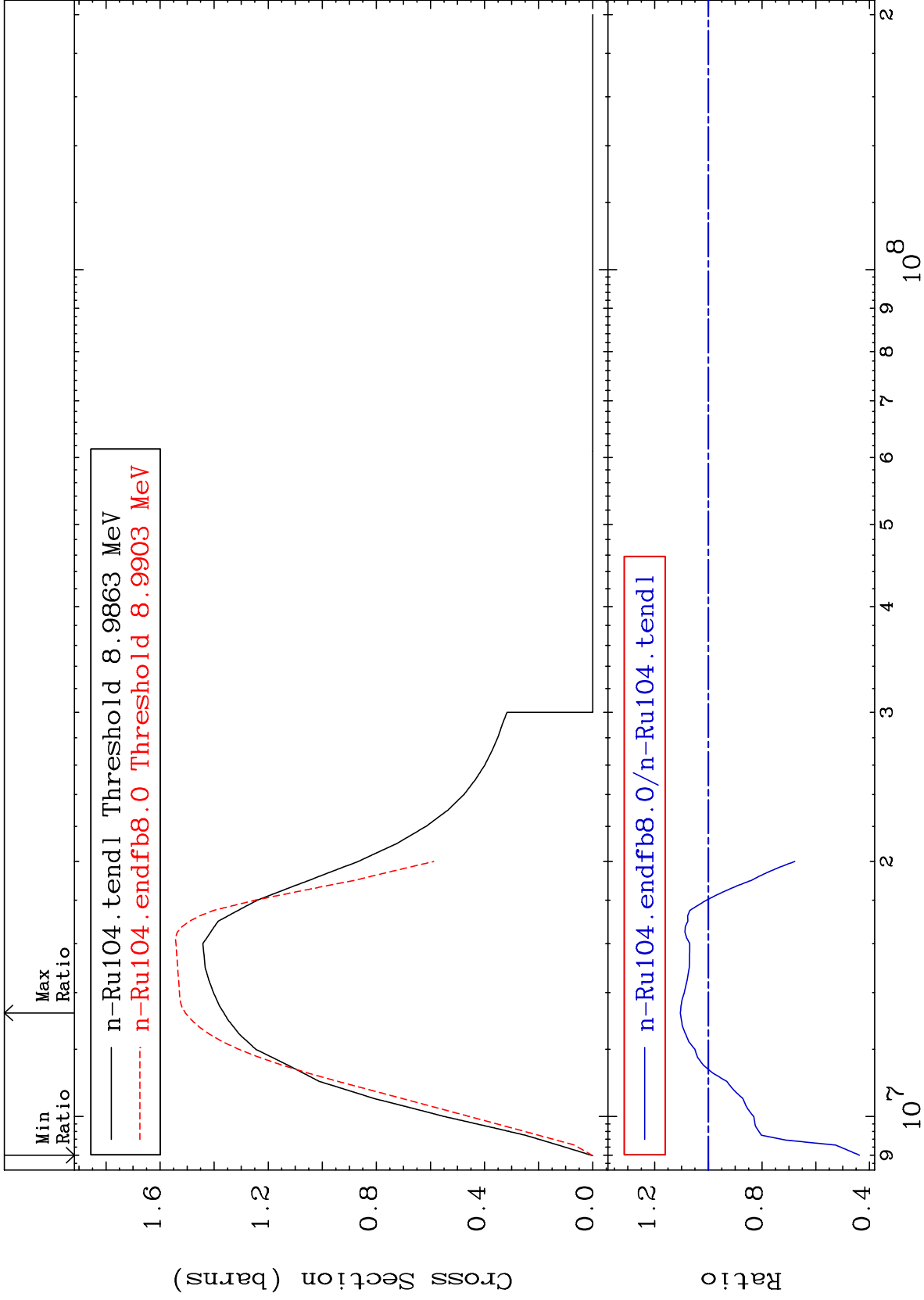
MAT 4449

(n,2n)

44-Ru-104

Cross Section

-56.24 To 10.43 %



44-Ru-104

44-Ru-104

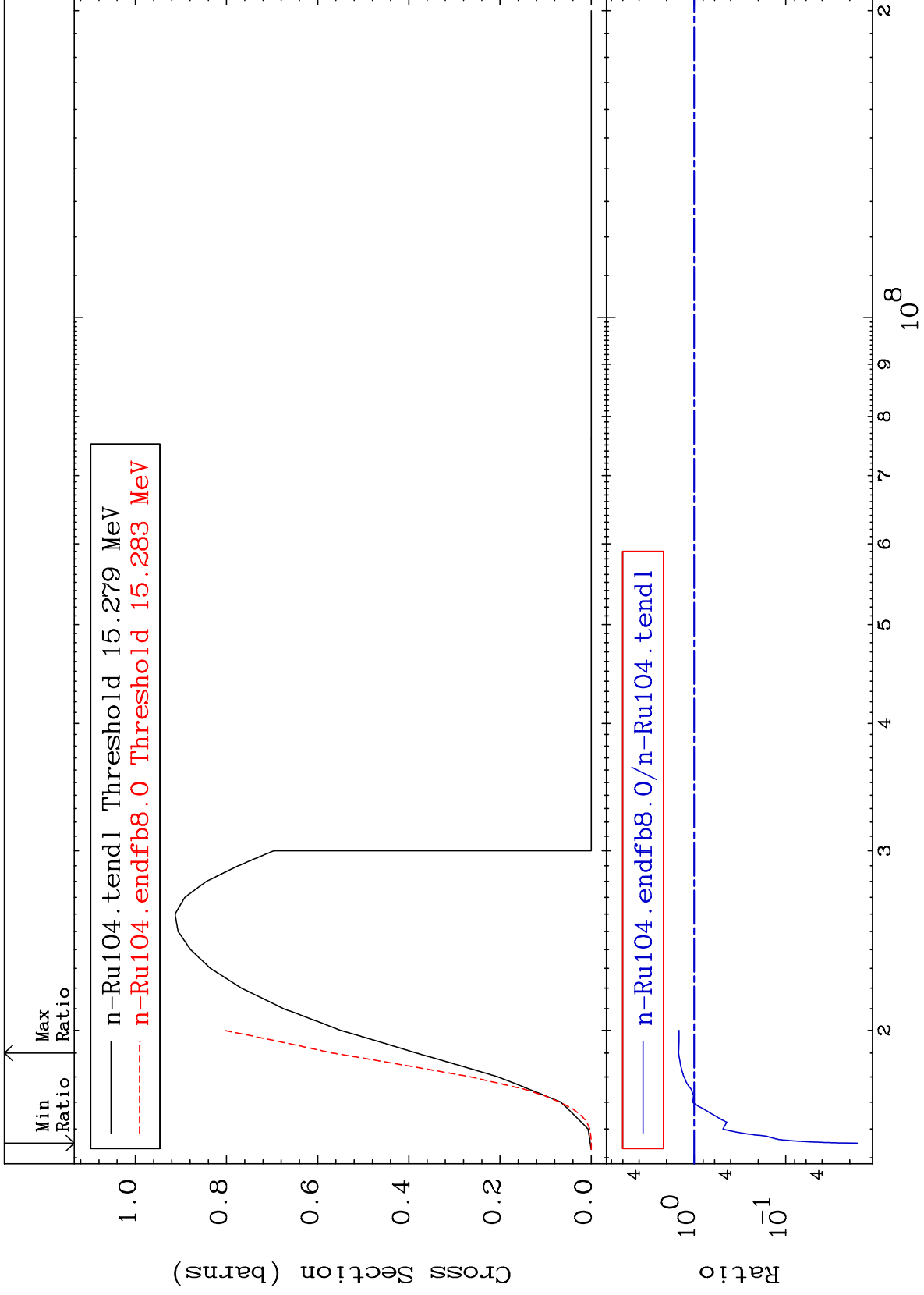
MAT 4449

(n,3n)

44-Ru-104

Cross Section

-98.34 To 47.87 %



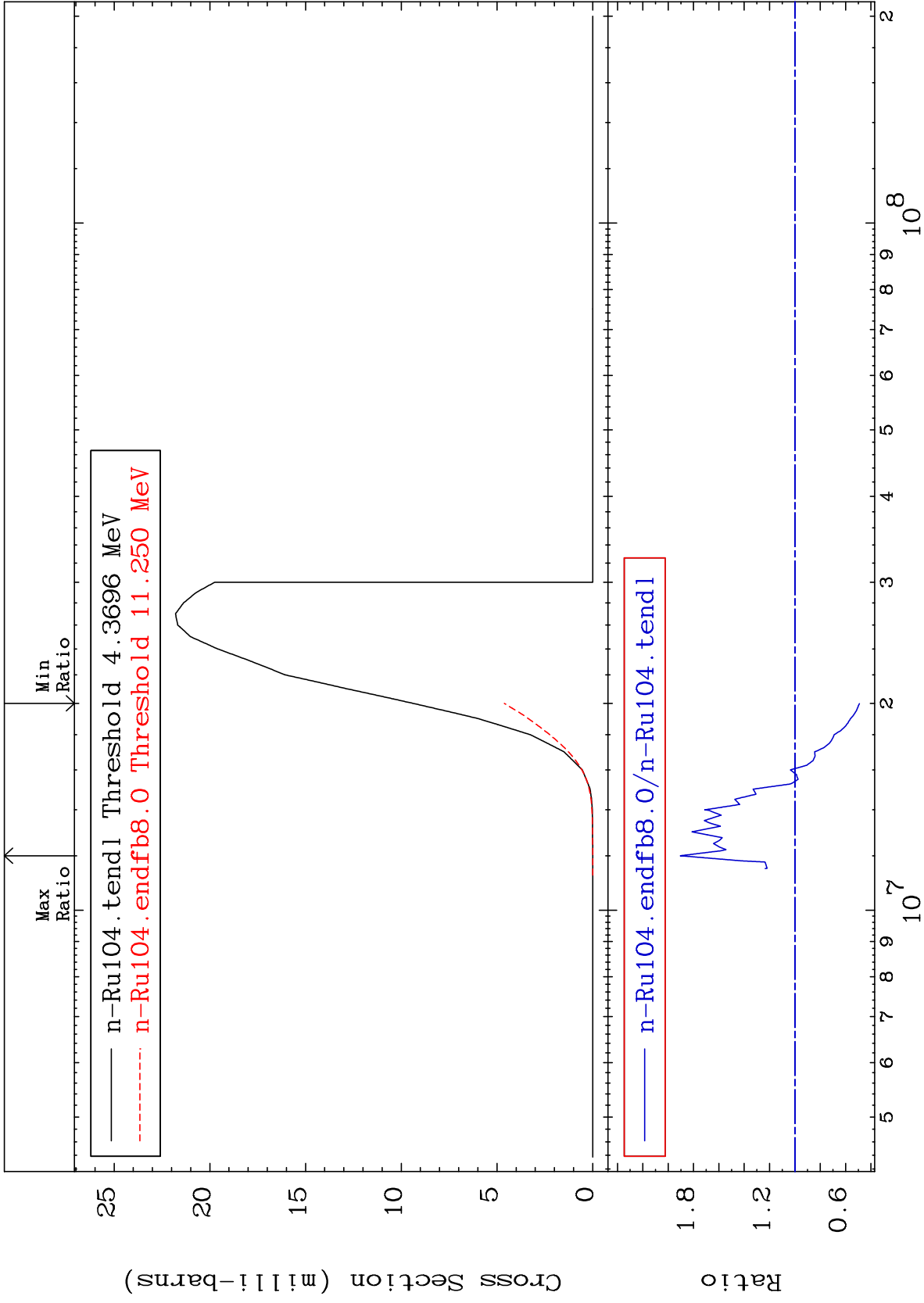
MAT 4449

(n, n')  $\alpha$

44-Ru-104

Cross Section

-50.89 To 90.38 %



6

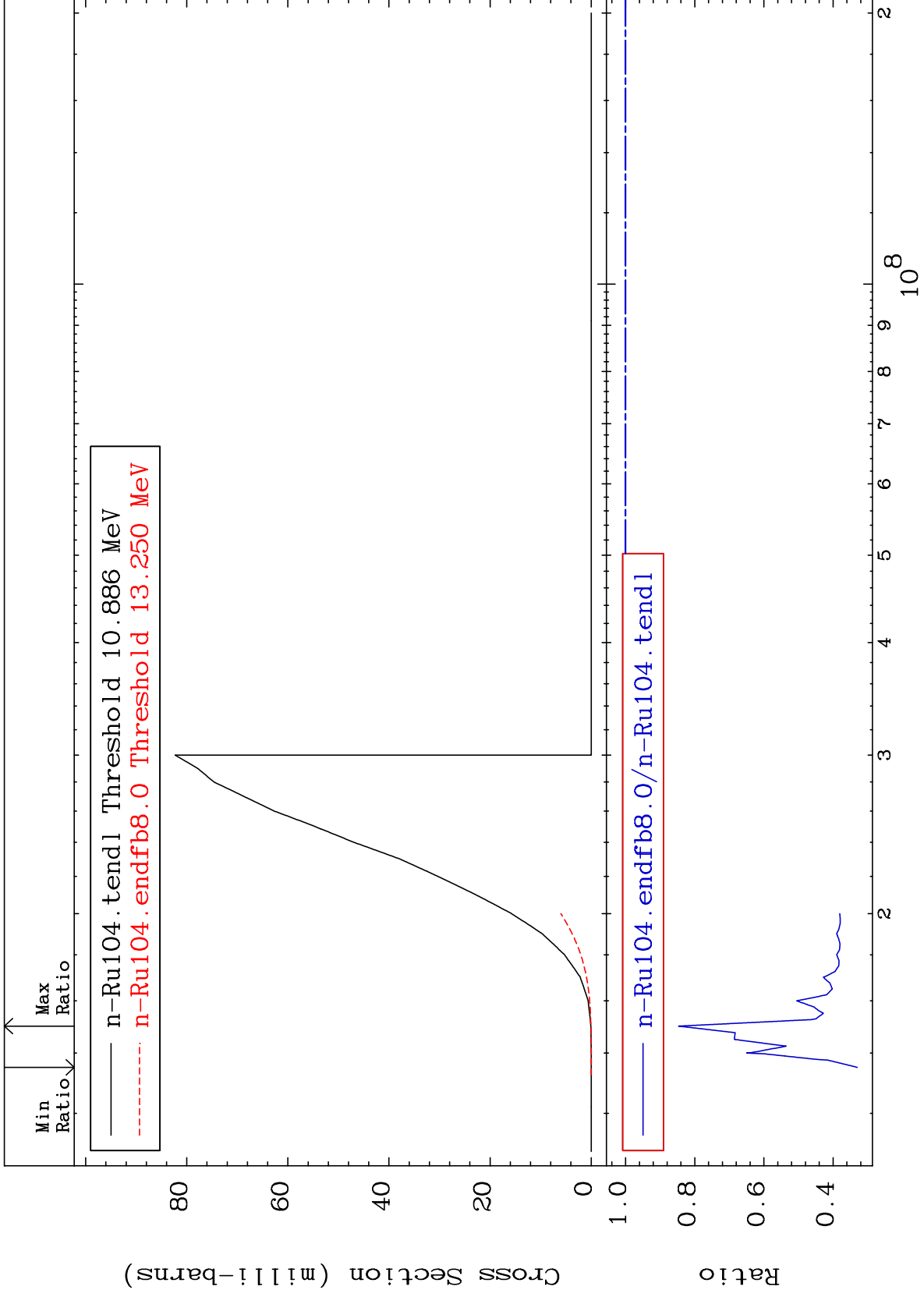
Incident Energy (eV)

44-Ru-104

MAT 4449

(n, n') p  
Cross Section

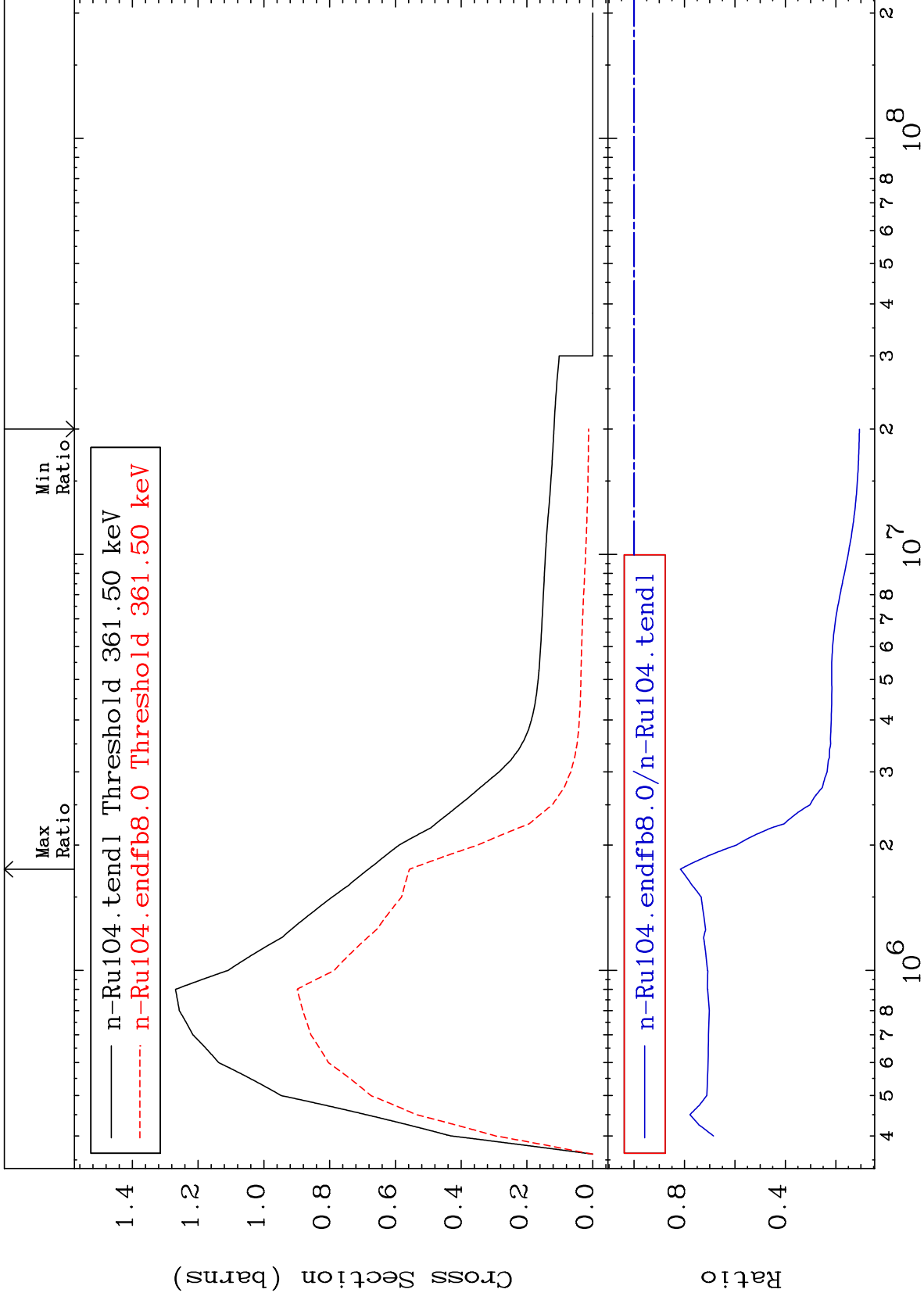
44-Ru-104  
-67.00 To -15.34%



MAT 4449

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

44-Ru-104  
-89.39 To -18.34%



8

Incident Energy (eV)

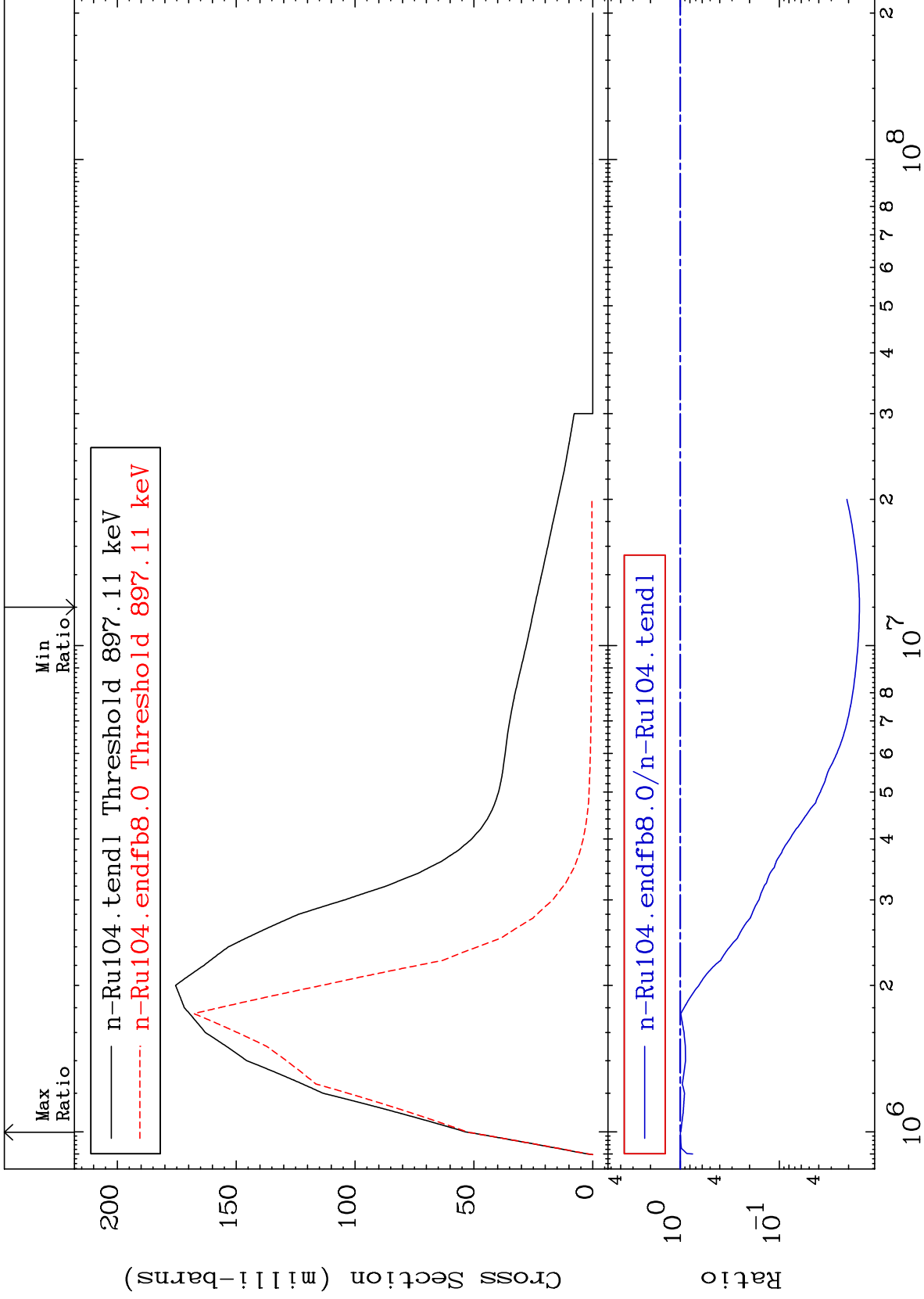
44-Ru-104



MAT 4449

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

44-Ru-104  
-98.44 To -0.154%



9

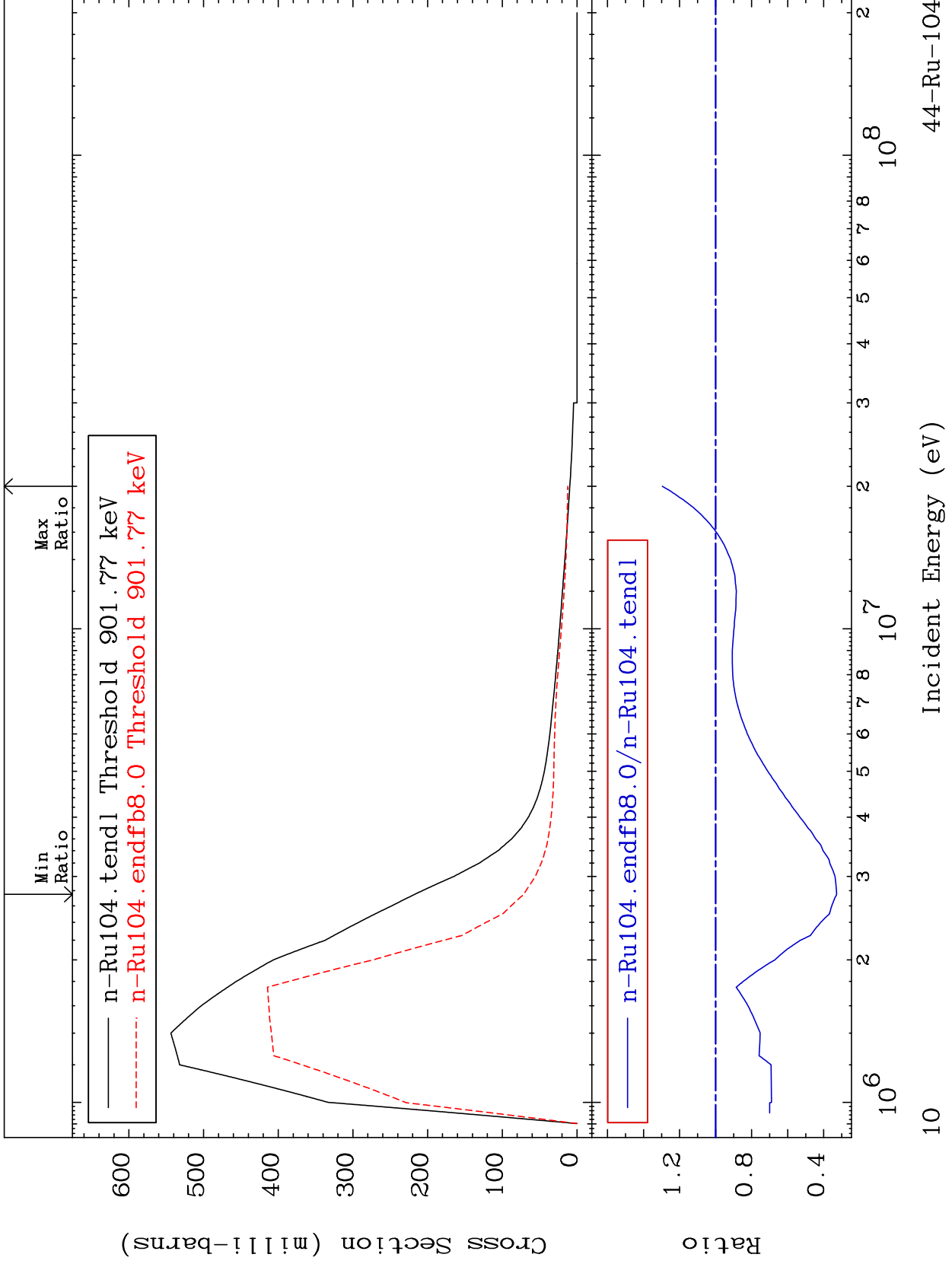
Incident Energy (eV)

44-Ru-104

MAT 4449

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

44-Ru-104  
-67.18 To 29.59 %

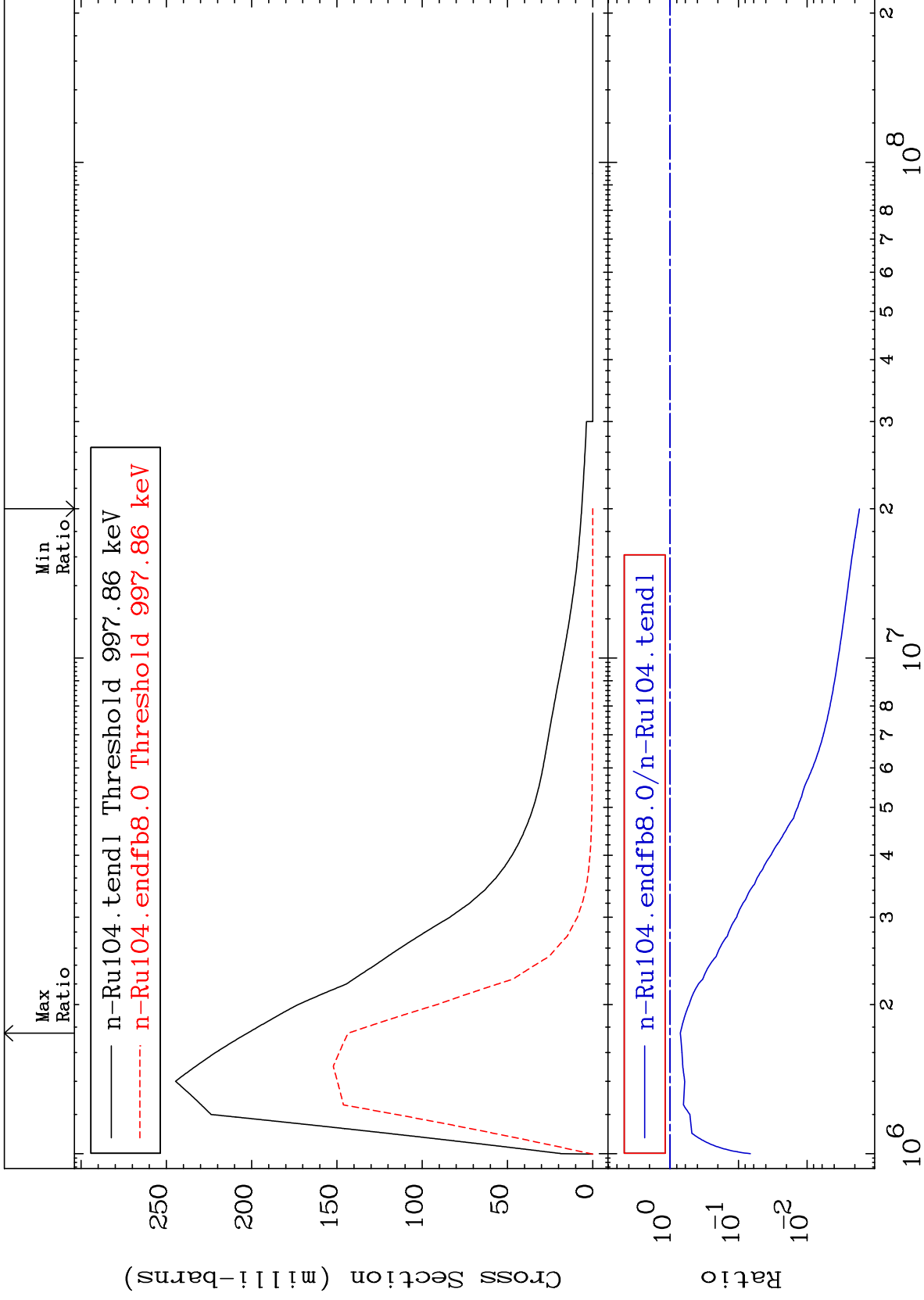


44-Ru-104

MAT 4449

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

44-Ru-104  
-99.83 To -29.19%



11

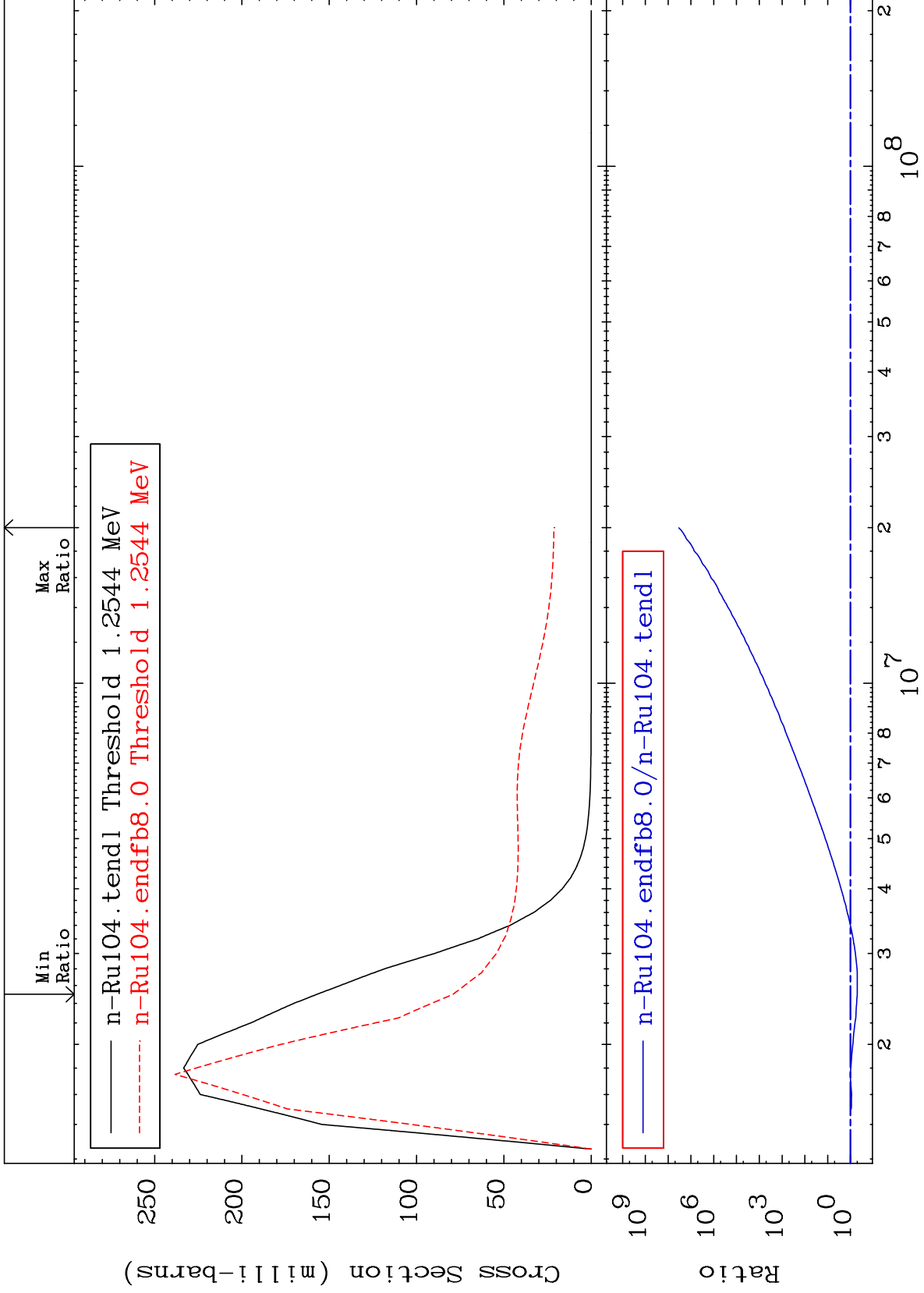
Incident Energy (eV)

44-Ru-104

MAT 4449

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

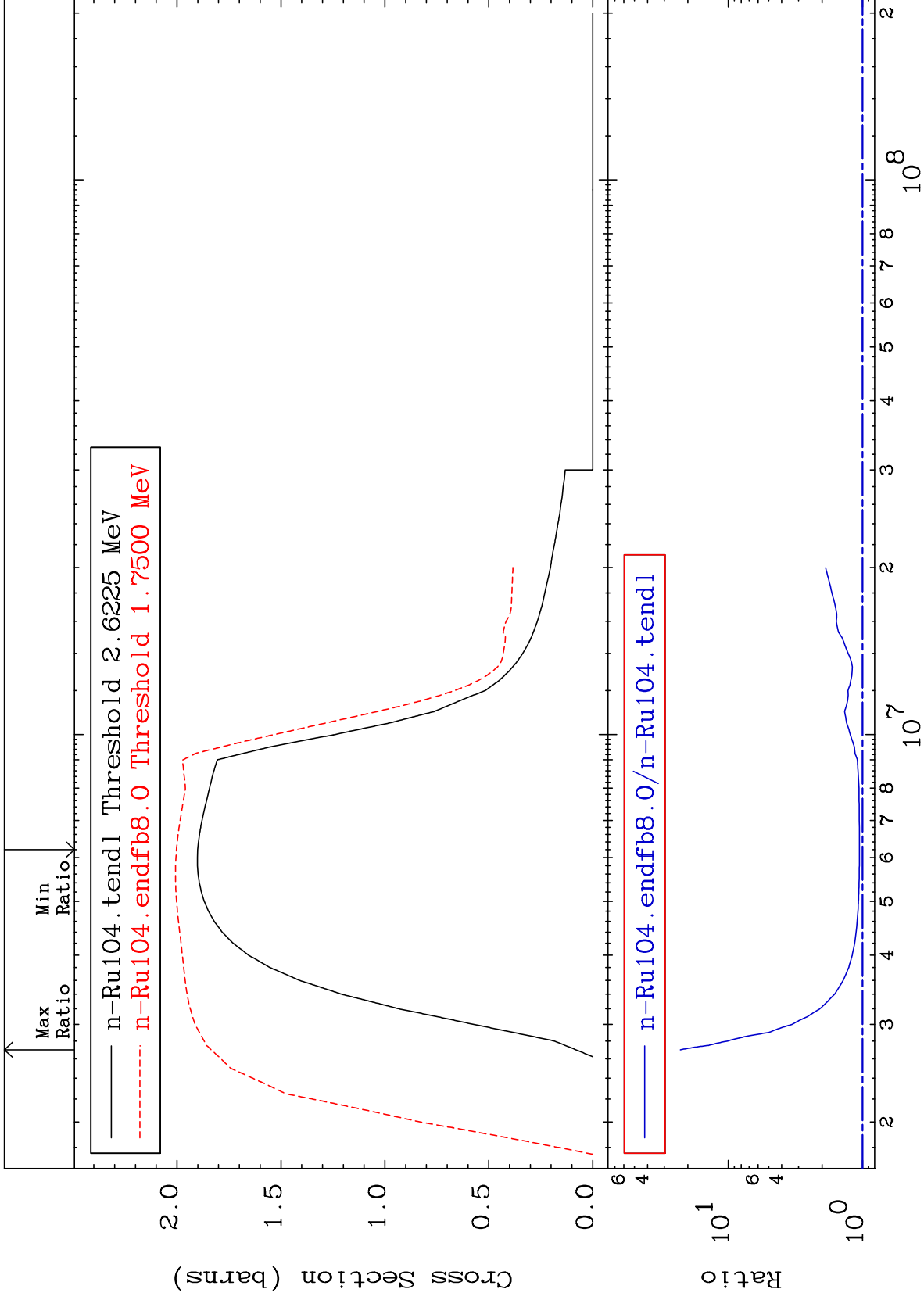
44-Ru-104  
-49.69 To 9999. %



MAT 4449

(n, n') Continuum  
Cross Section

44-Ru-104  
5.378 To 2176. %



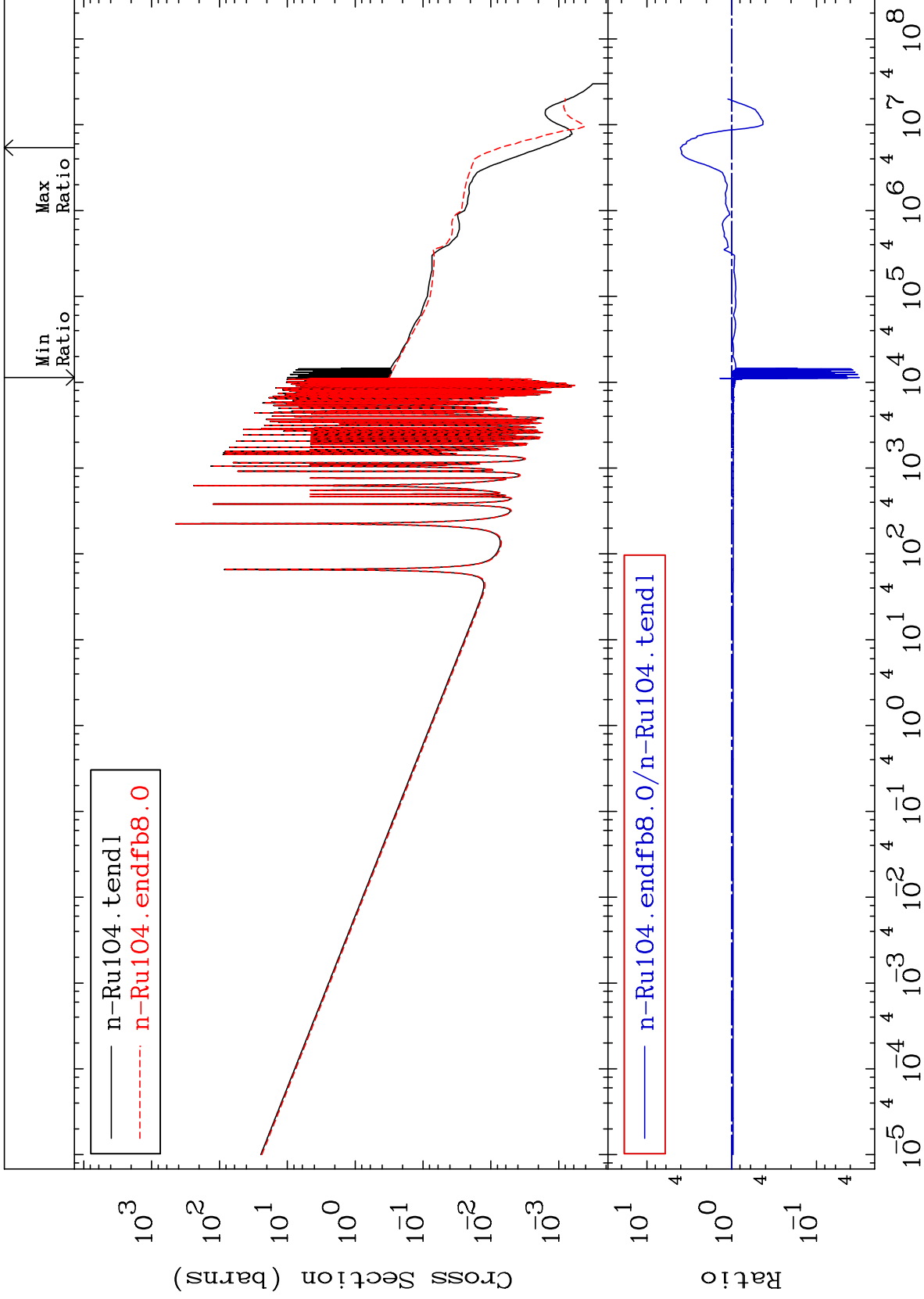
MAT 4449

(n,  $\gamma$ )

44-Ru-104

Cross Section

-96.88 To 304.5 %



14

Incident Energy (eV)

44-Ru-104

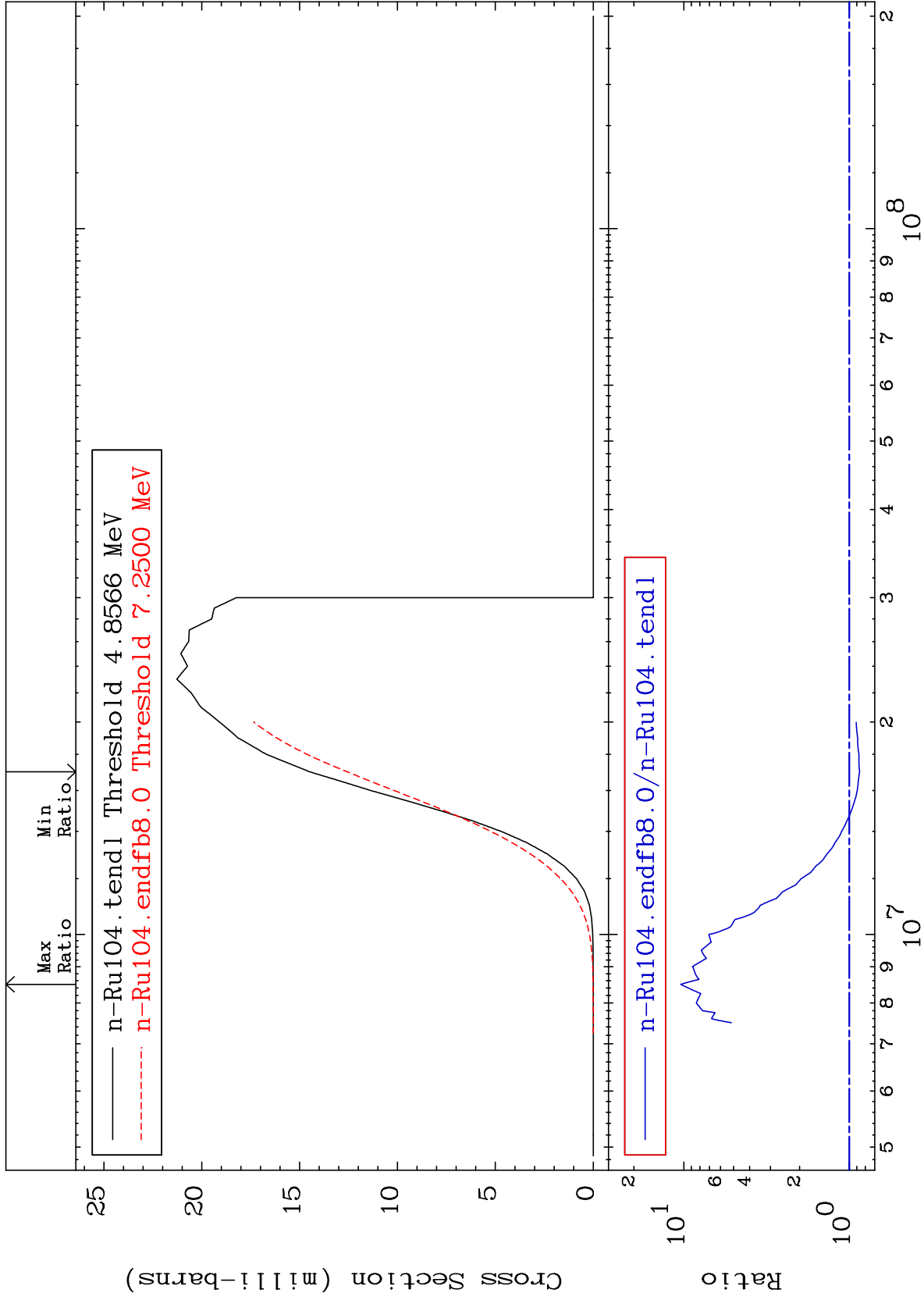
MAT 4449

(n, p)

44-Ru-104

Cross Section

-13.26 To 943.2 %



15

44-Ru-104

44-Ru-104

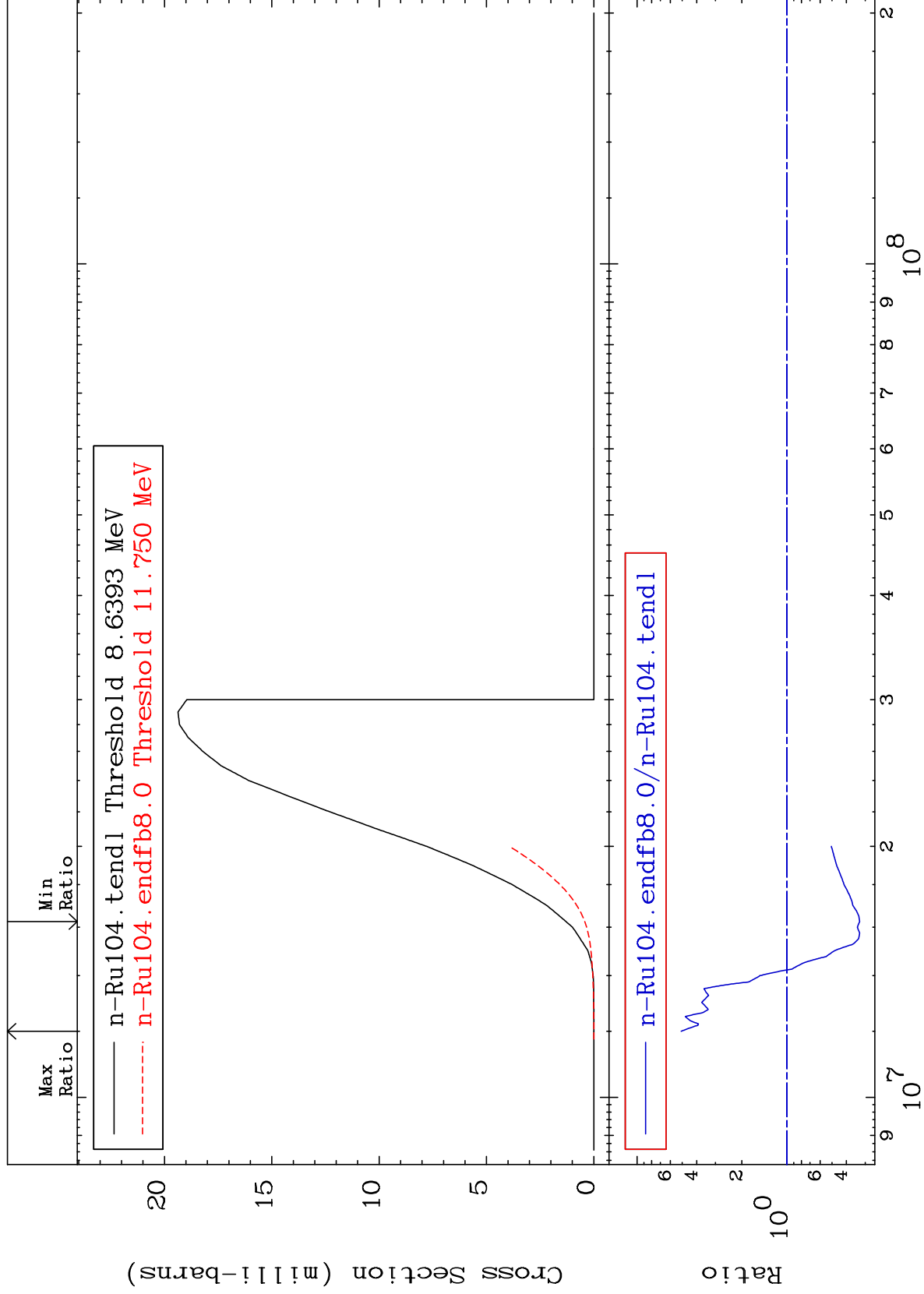
MAT 4449

(n, d)

44-Ru-104

Cross Section

-67.35 To 407.6 %



16

44-Ru-104

44-Ru-104



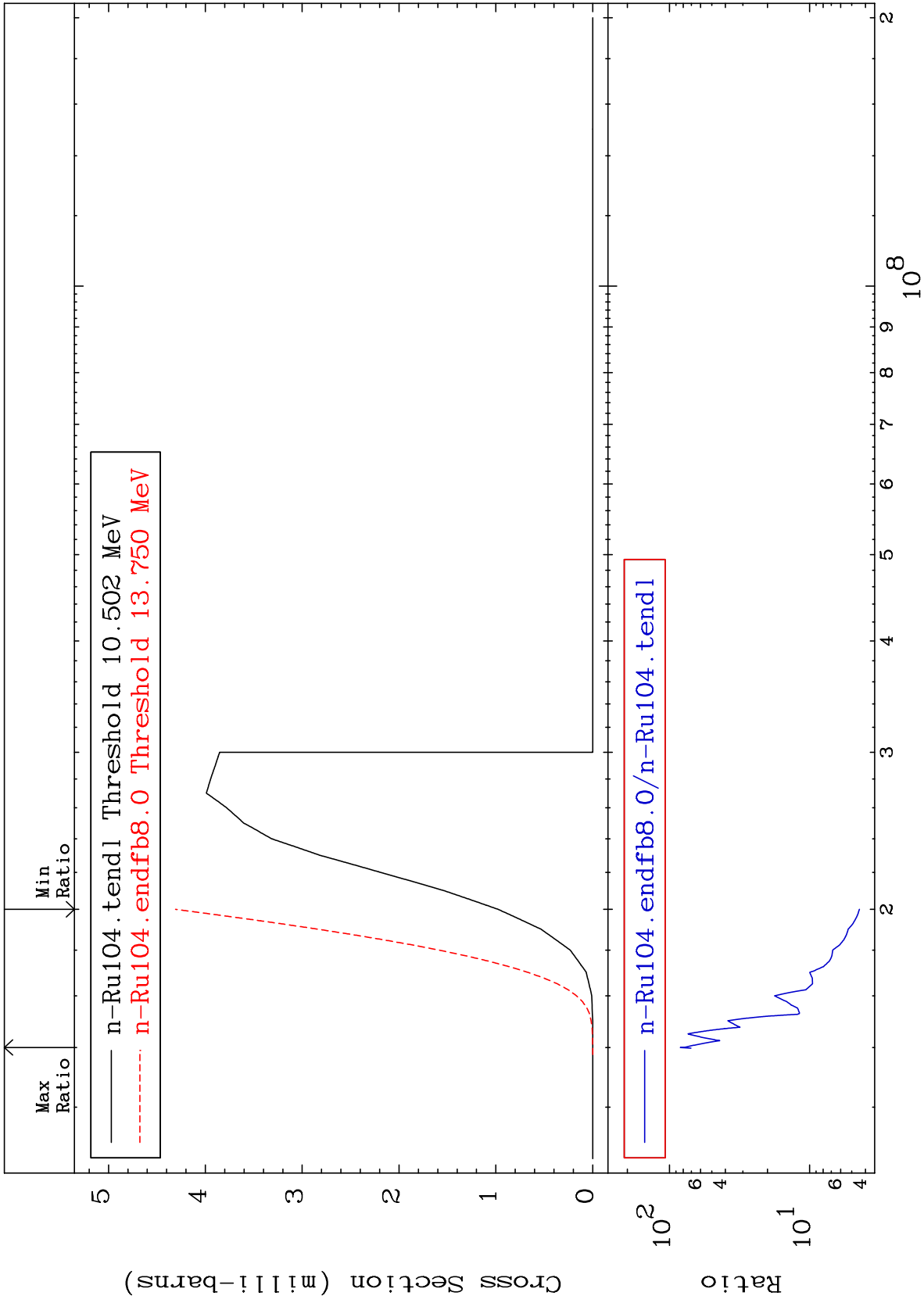
MAT 4449

(n, t)

44-Ru-104

Cross Section

341.0 To 8274. %



17

Incident Energy (eV)

44-Ru-104

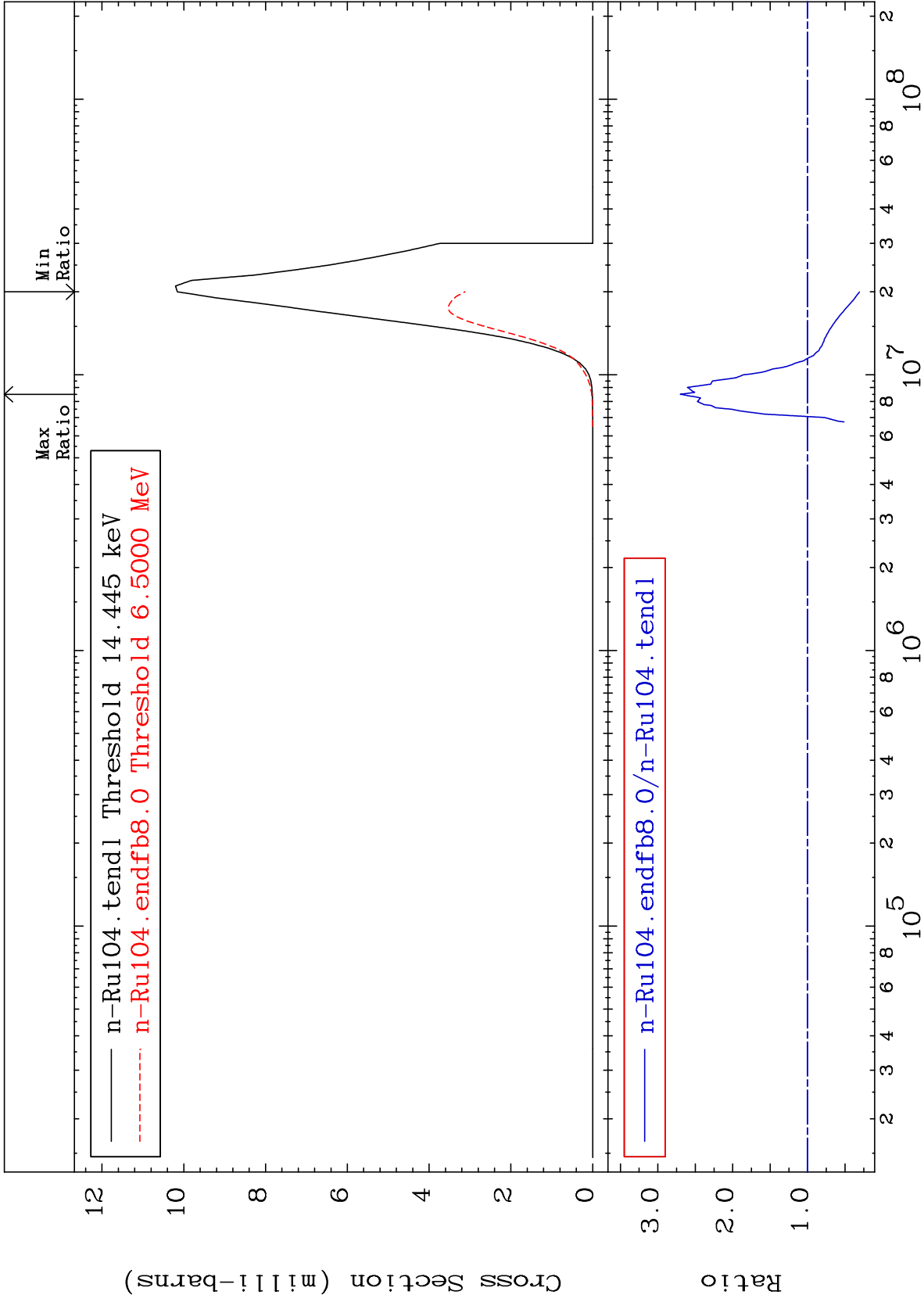
MAT 4449

(n,  $\alpha$ )

44-Ru-104

Cross Section

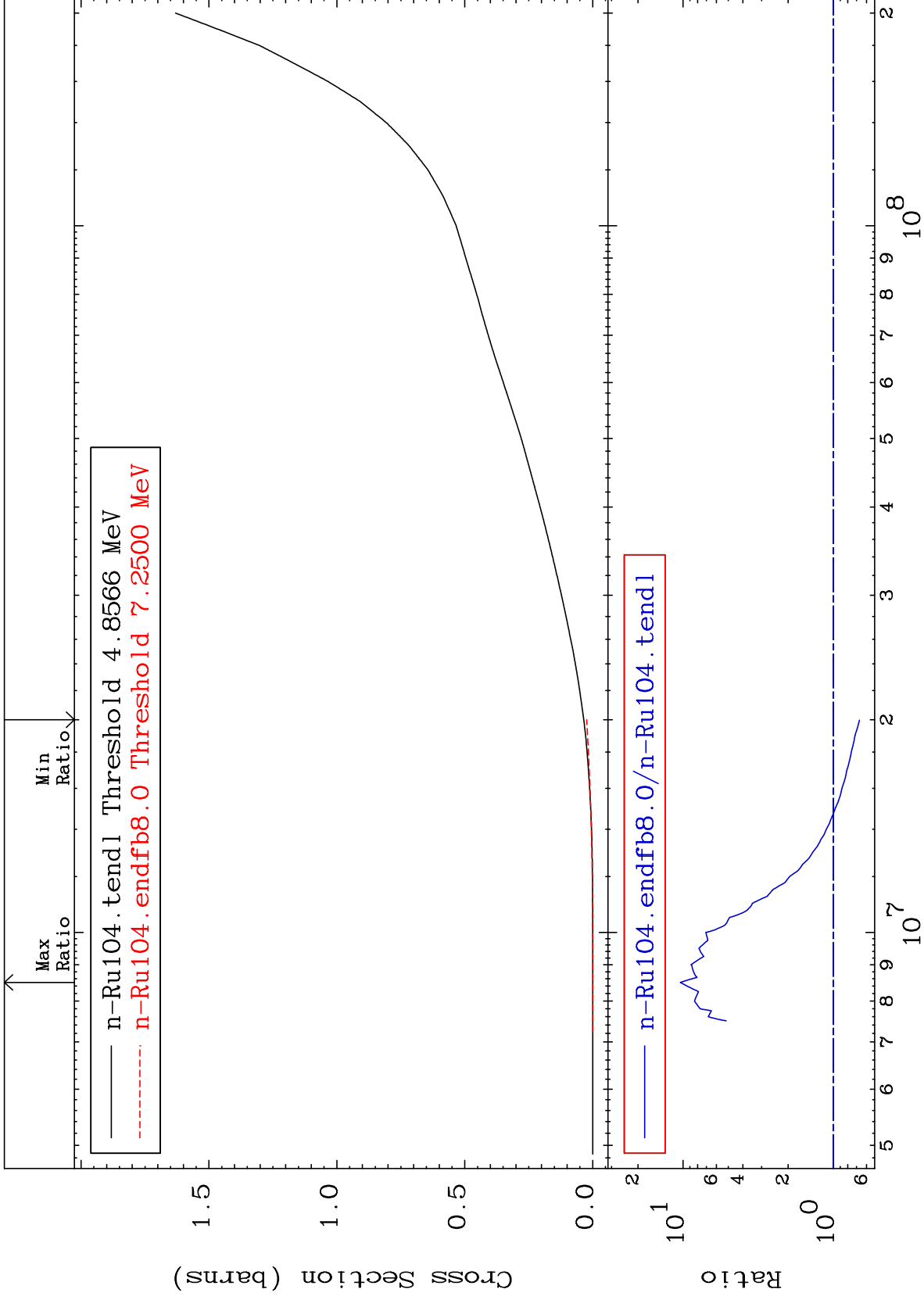
-69.24 To 169.9 %



MAT 4449

Hydrogen Production  
Cross Section

44-Ru-104  
-33.04 To 943.2 %



19

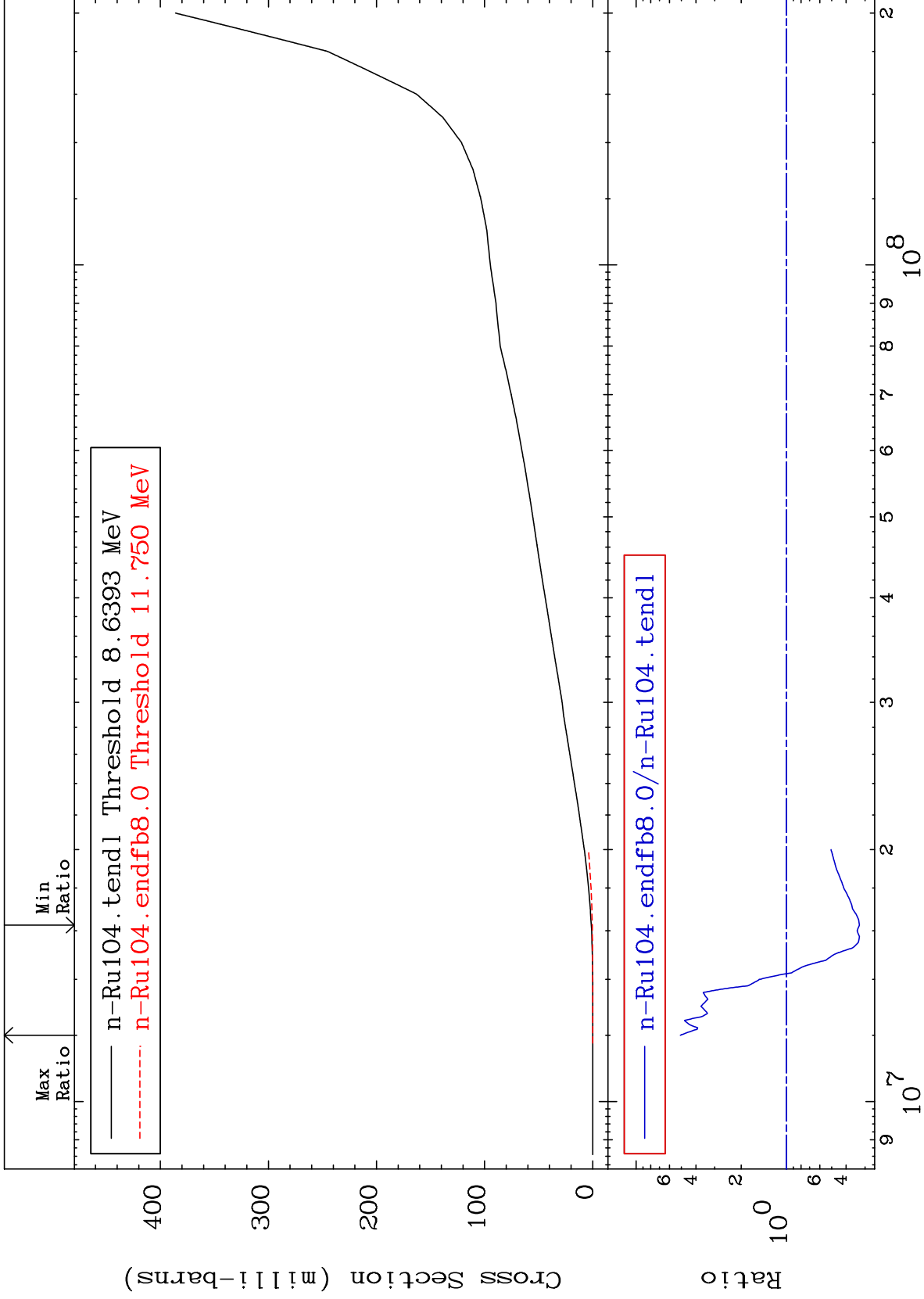
Incident Energy (eV)

44-Ru-104

MAT 4449

Deuterium Production  
Cross Section

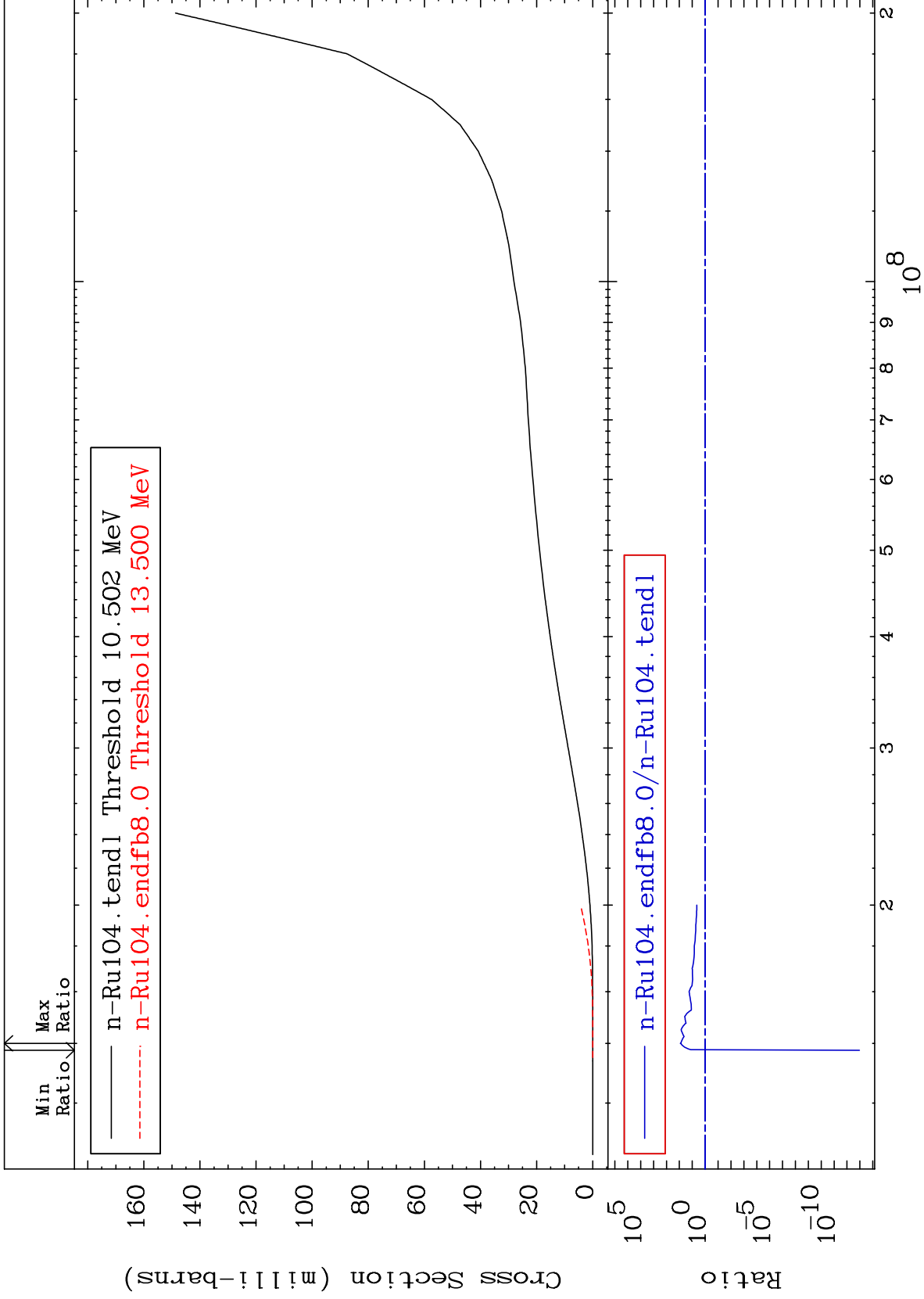
44-Ru-104  
-67.35 To 407.6 %



20

Incident Energy (eV)

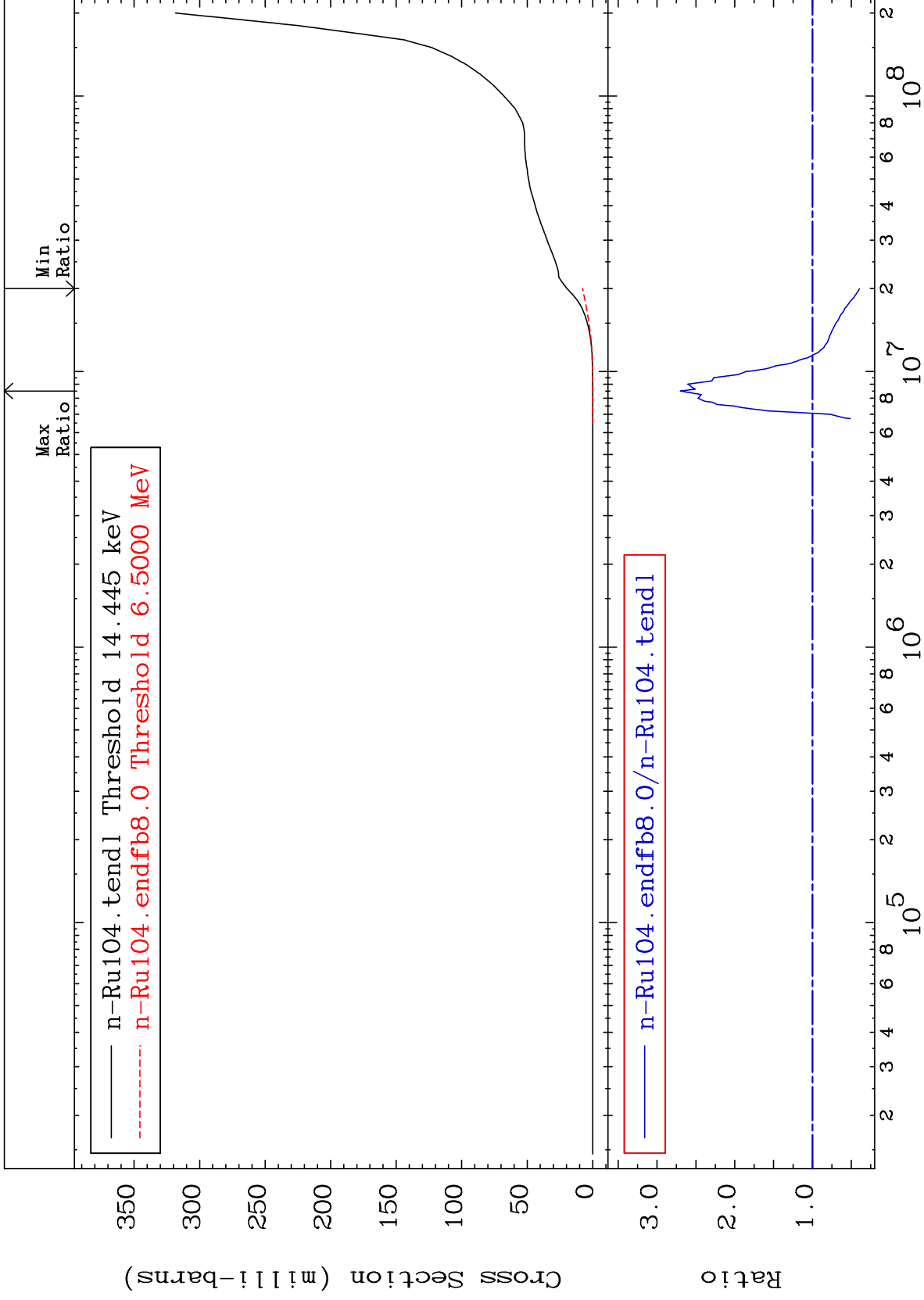
44-Ru-104

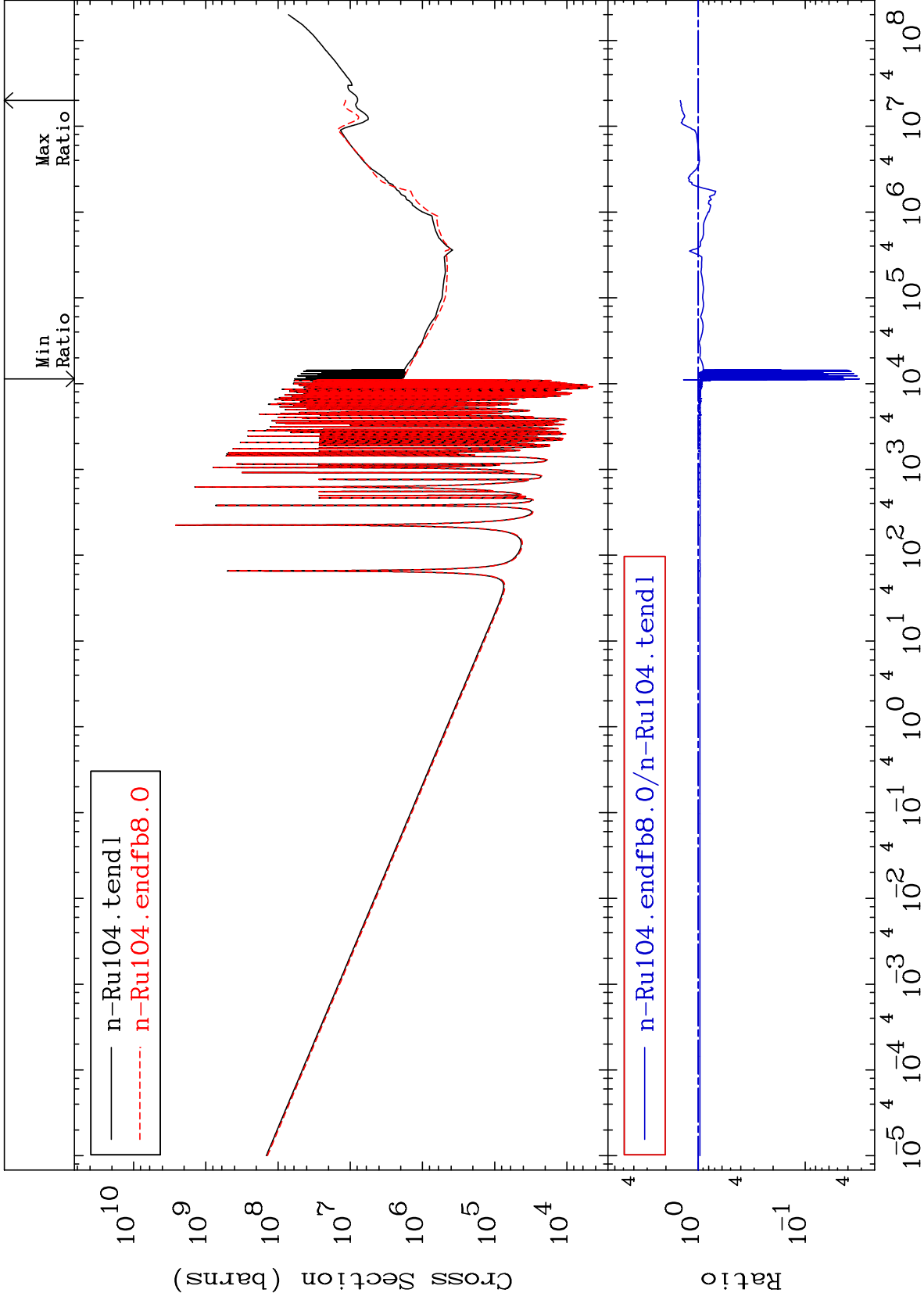


MAT 4449

He-4 Production  
Cross Section

44-Ru-104  
-60.42 To 169.9 %

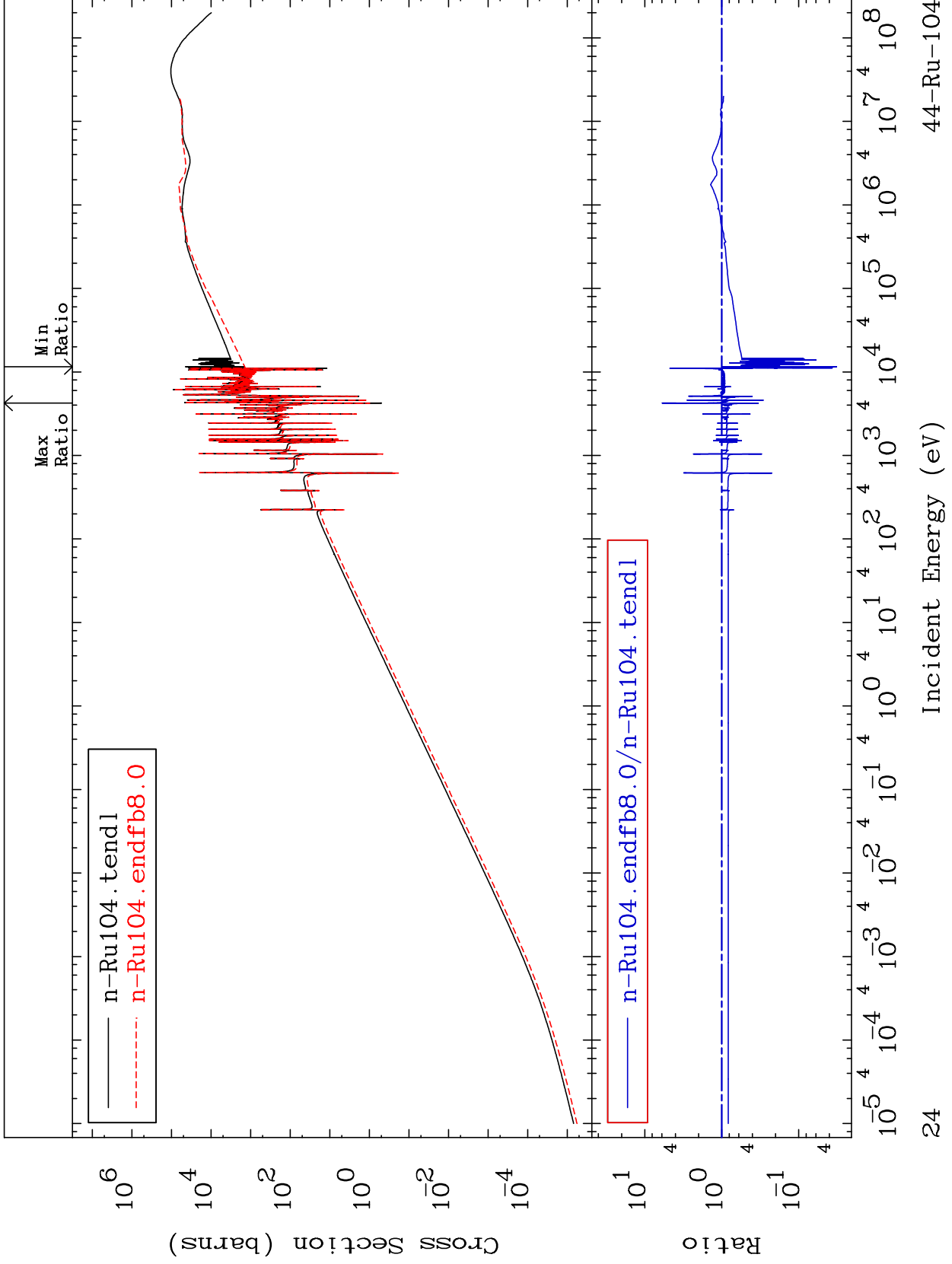




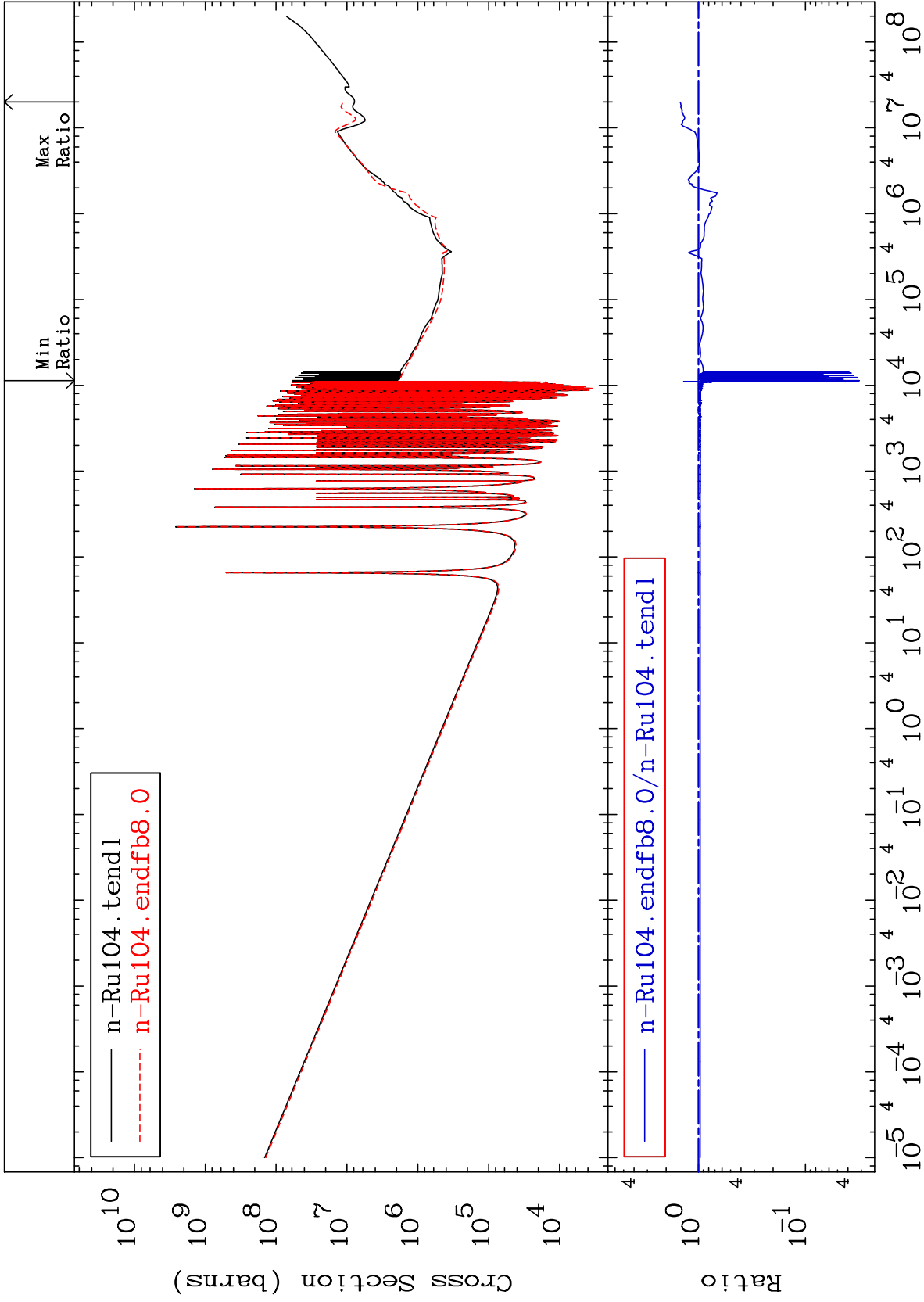
MAT 4449

Kerma elastic  
Cross Section

44-Ru-104  
-96.78 To 491.6 %



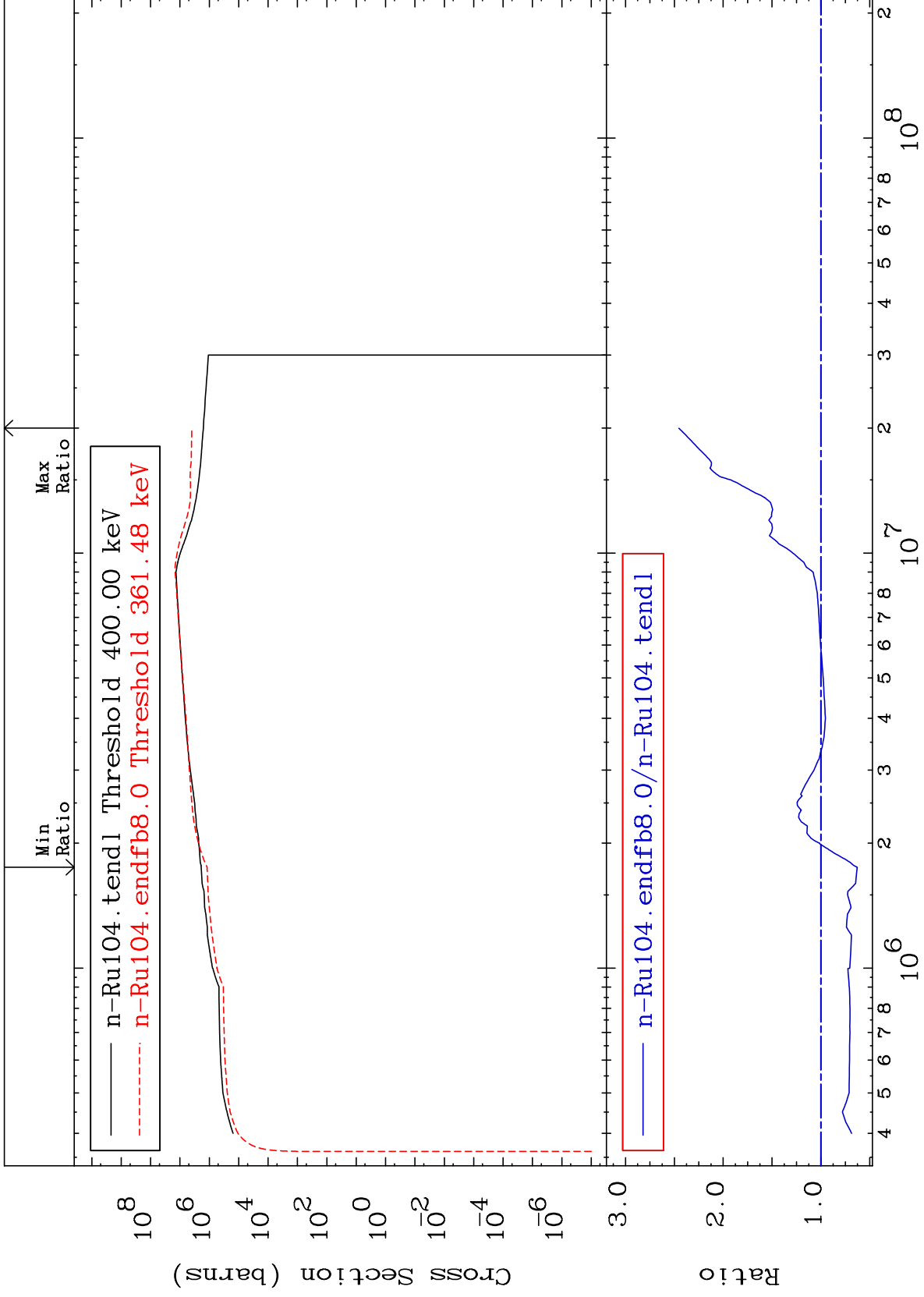




MAT 4449

Kerma inelastic (mt51-91)  
Cross Section

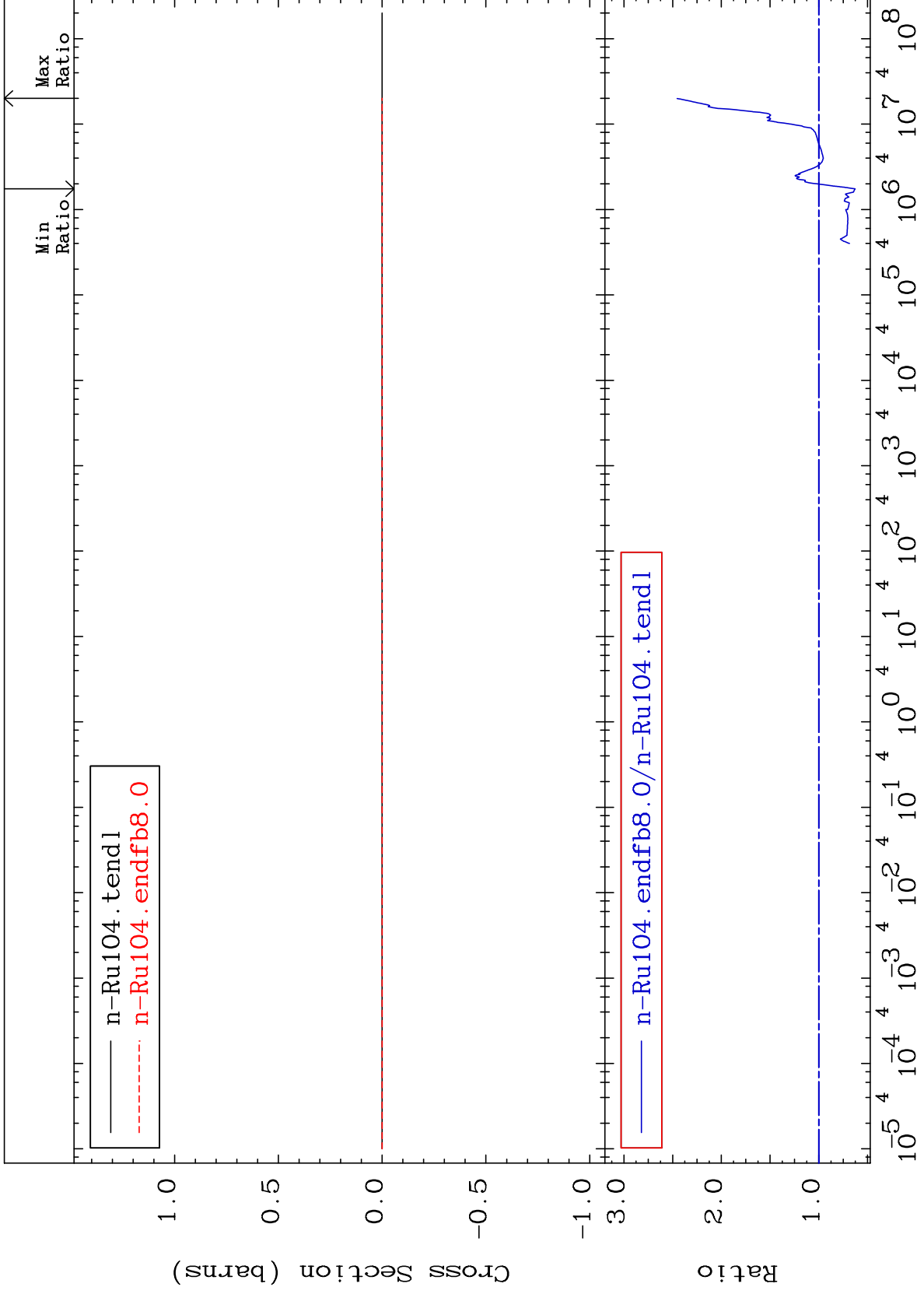
44-Ru-104  
-37.21 To 145.6 %



MAT 4449

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

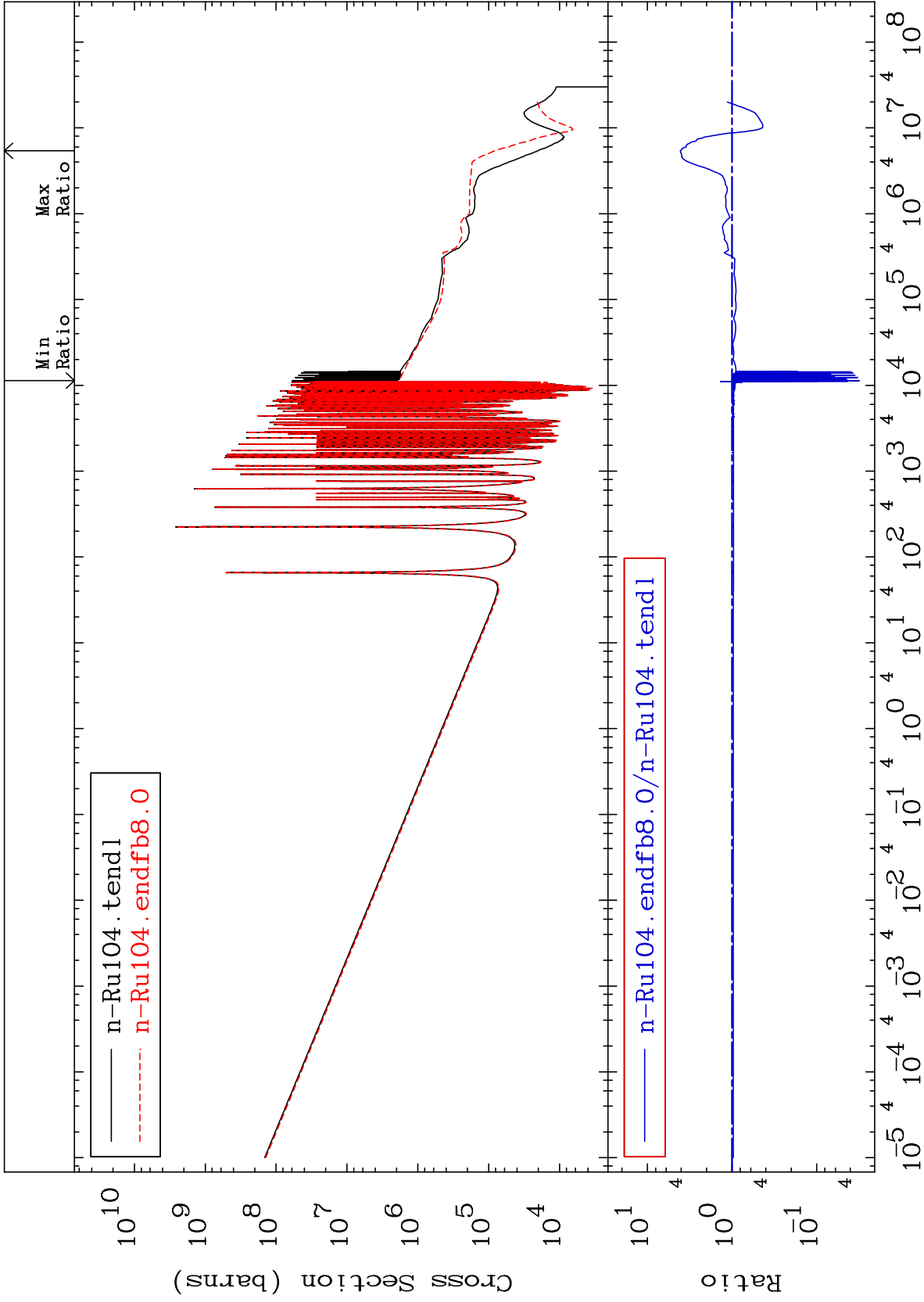
44-Ru-104  
-37.21 To 145.6 %



MAT 4449

Kerma capture (mt102)  
Cross Section

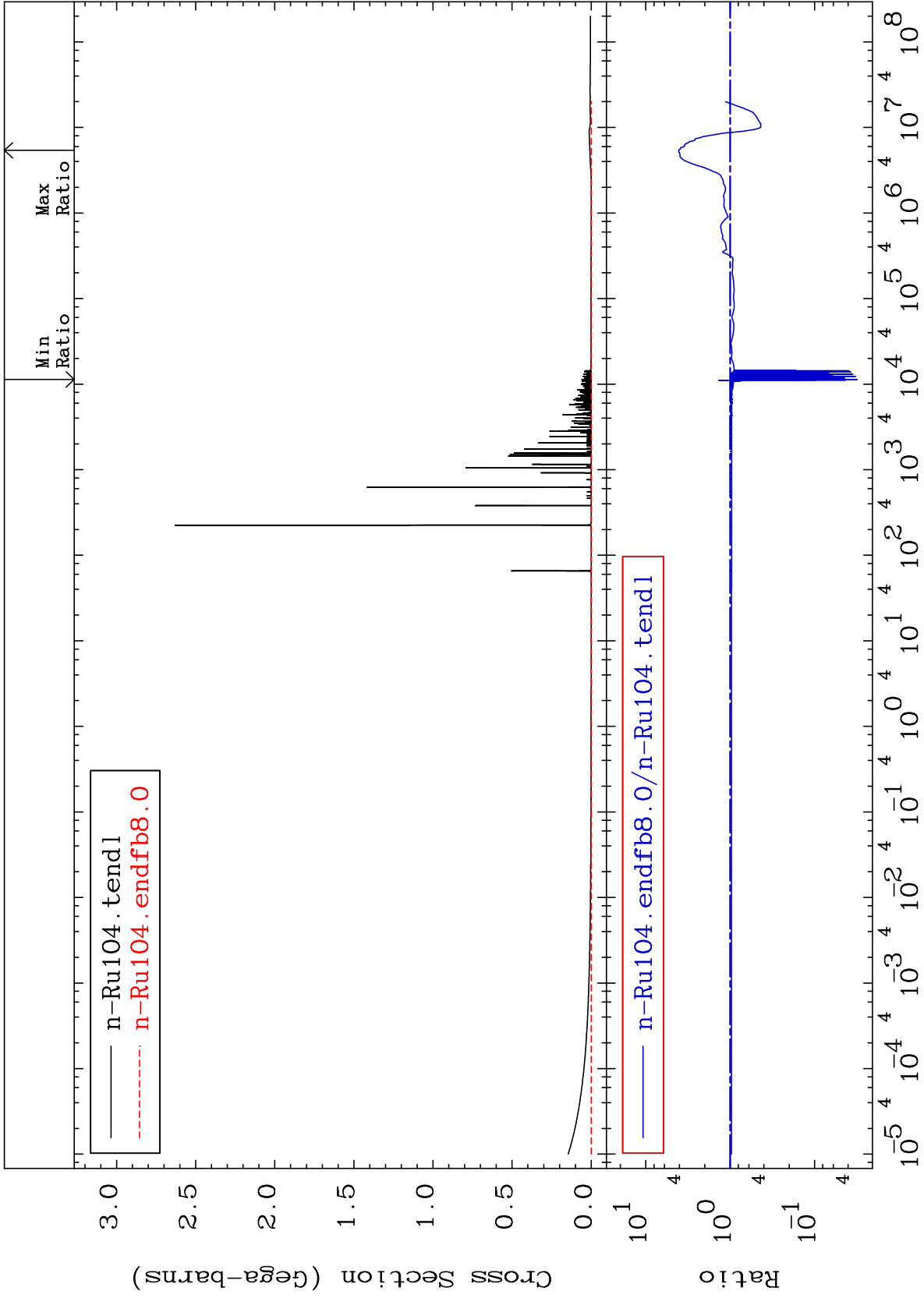
44-Ru-104  
-96.88 To 308.0 %



MAT 4449

Total photon (eV-barns)  
Cross Section

44-Ru-104  
-96.88 To 308.0 %



MAT 4449

Total kinematic kerma (high limit)  
Cross Section

44-Ru-104  
-100.0 To -57.97%

