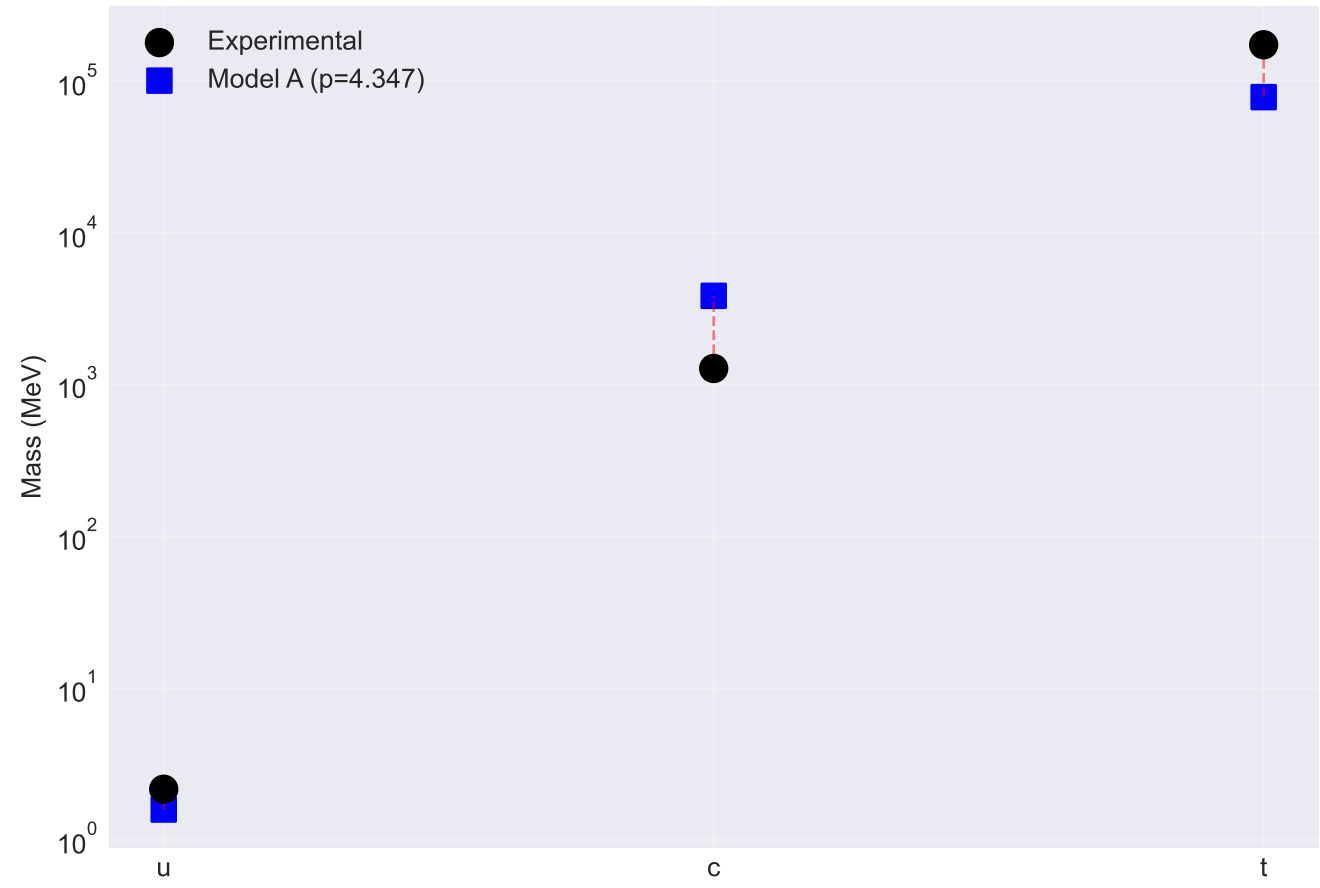
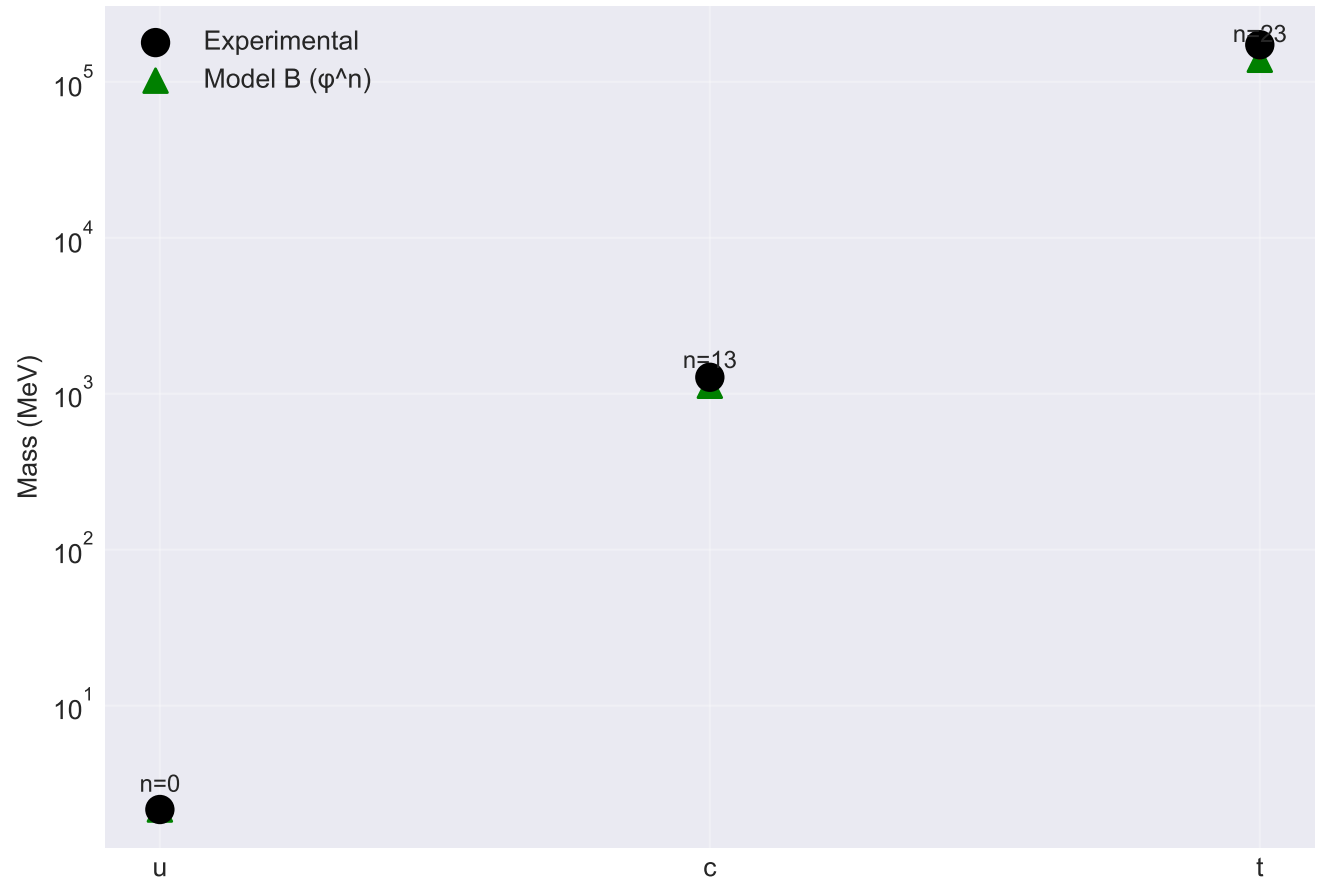


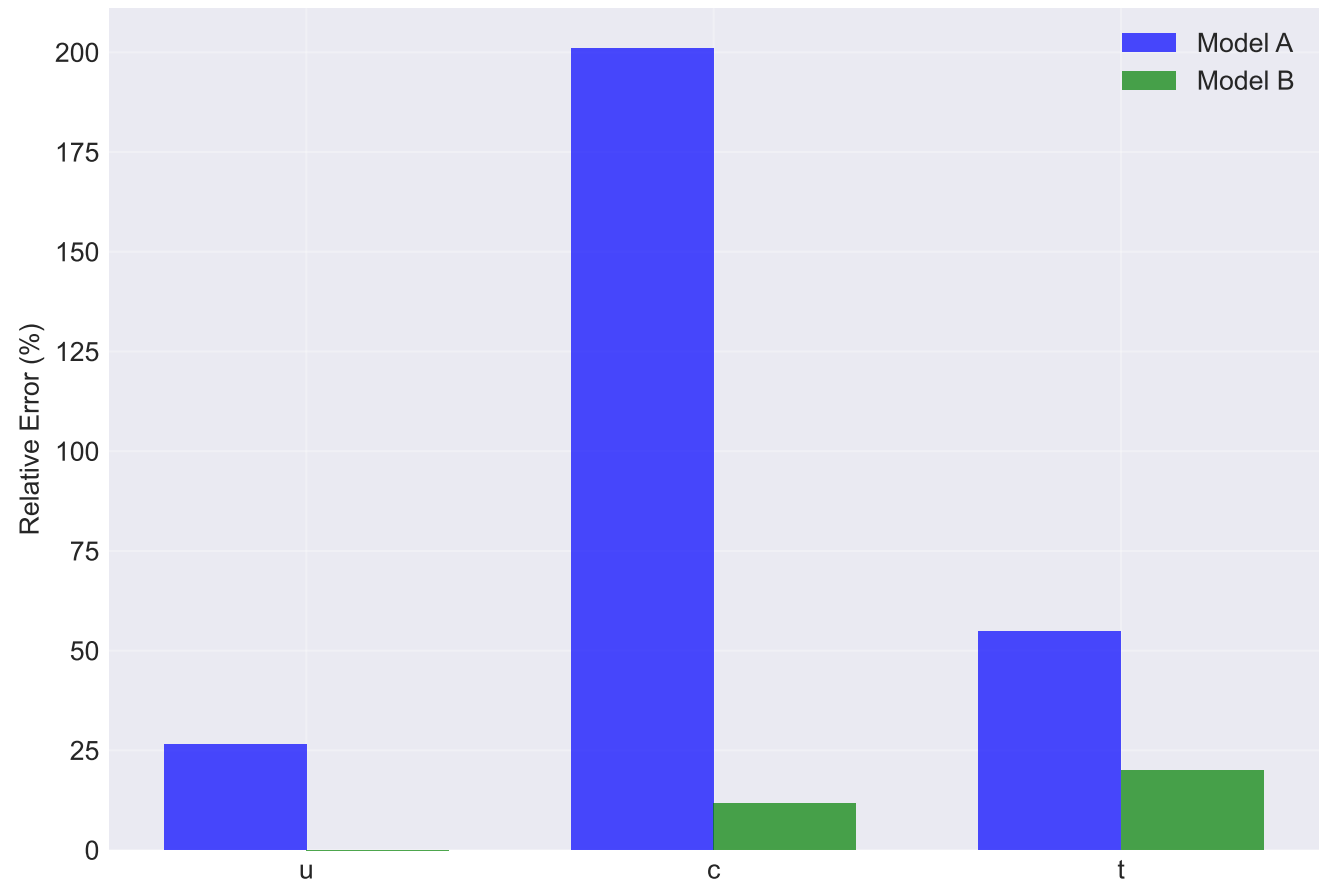
Model A: Power Law ( $q^p$ ) - up\_quarks



Model B: Golden Ratio ( $\phi^n$ ) - up\_quarks



Prediction Errors



Model Comparison: up\_quarks

- Model A (Power Law):
- Parameters:  $A=1.59e+00$ ,  $p=4.347$
  - Mean Error: 94.04%
  - RMS Error: 121.17%
  - $\chi^2/\text{dof}$ : 4.404
  - BIC: 6.60
- Model B (Golden Ratio):
- Parameters:  $m_0=2.1600$  MeV
  - Mean Error: 10.54%
  - RMS Error: 13.33%
  - $\chi^2/\text{dof}$ : 0.027
  - BIC: 1.15
  - Max n deviation: 0.4607

$\Delta\text{BIC} = 5.45$   
Positive preference for Model B