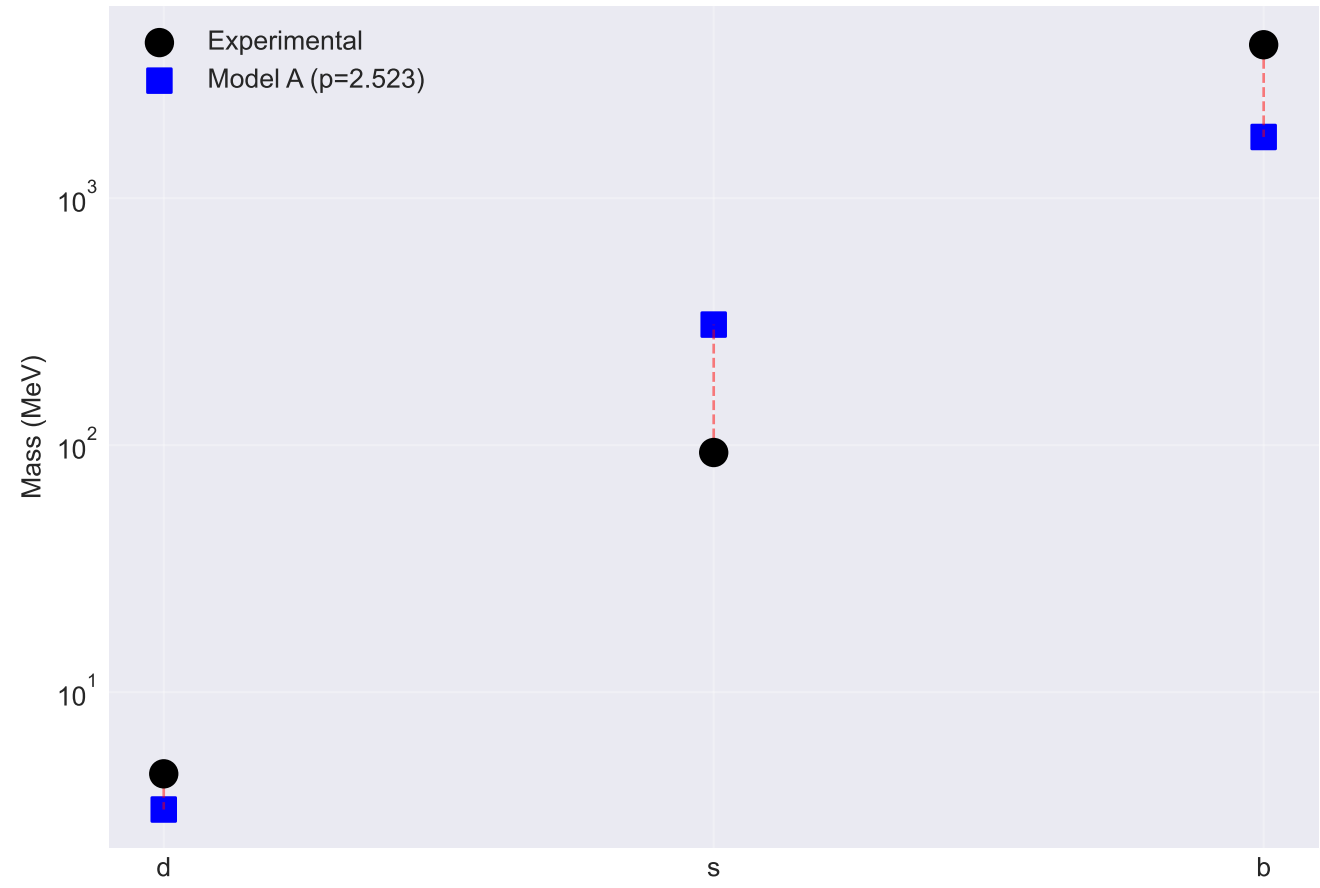
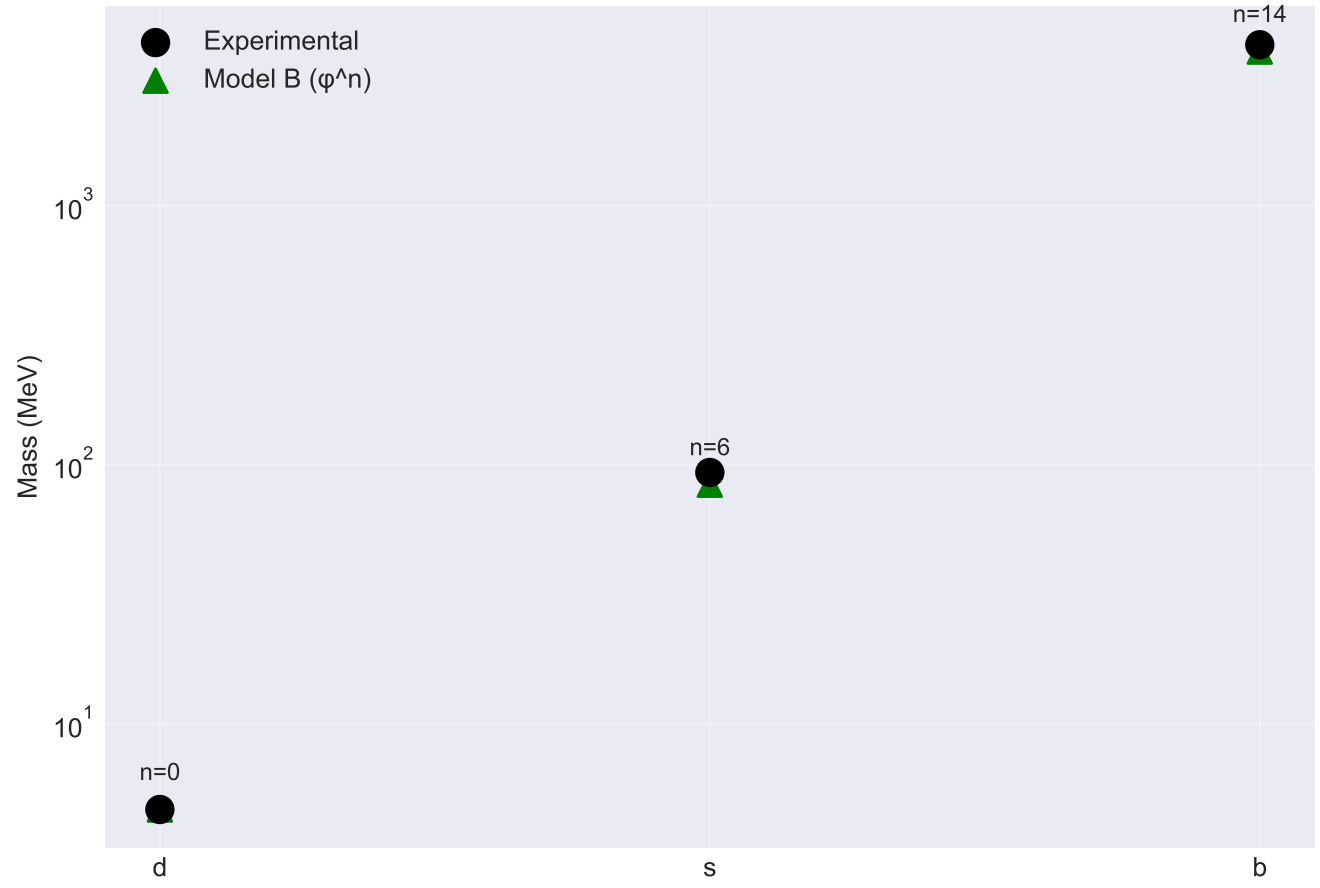


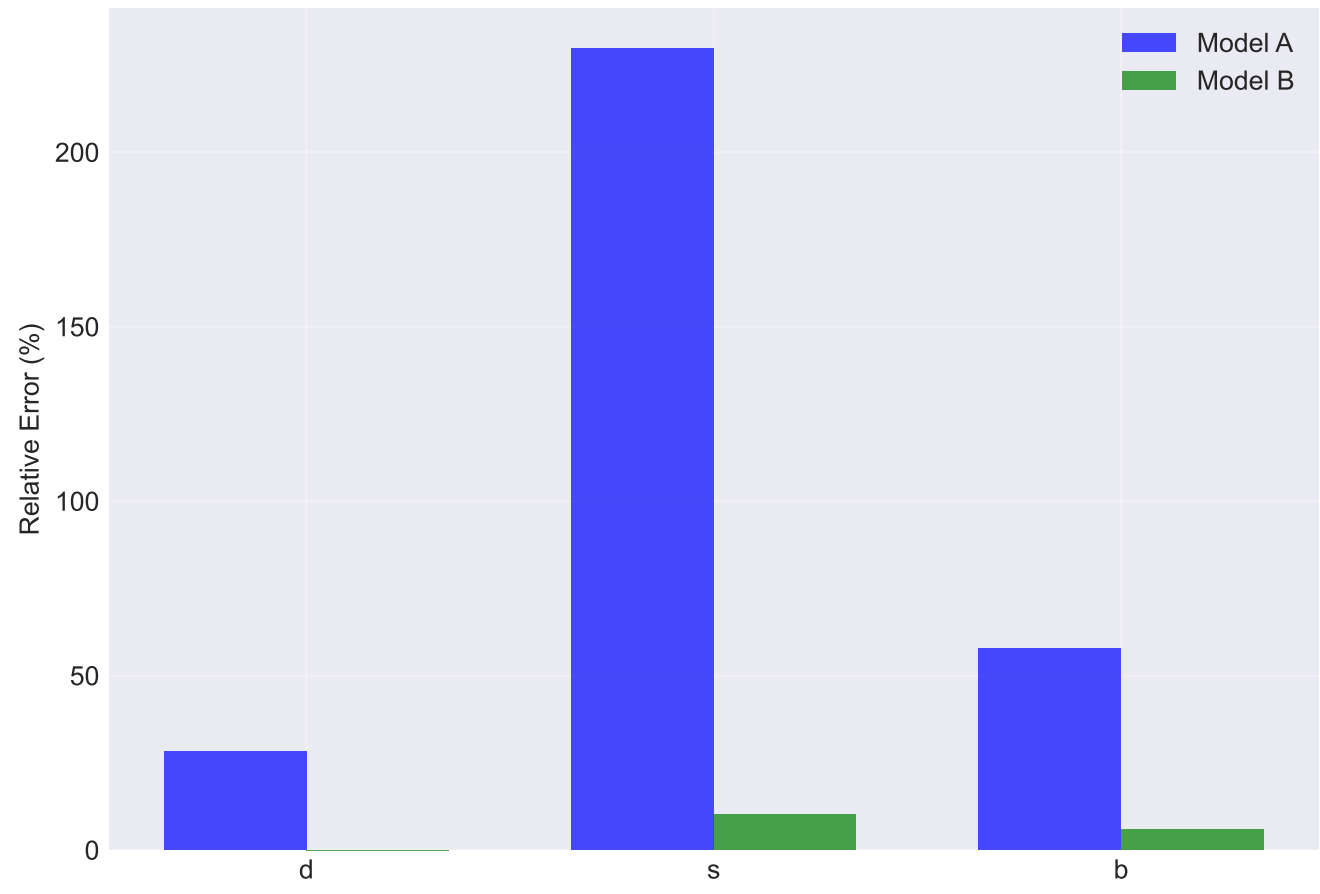
Model A: Power Law ( $q^p$ ) - down\_quarks



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



Prediction Errors



Model Comparison: down\_quarks

- Model A (Power Law):
- Parameters:  $A=3.35e+00$ ,  $p=2.523$
  - Mean Error: 105.20%
  - RMS Error: 137.67%
  - $\chi^2/\text{dof}$ : 5.686
  - BIC: 7.88
- Model B (Golden Ratio):
- Parameters:  $m_0=4.6700$  MeV
  - Mean Error: 5.39%
  - RMS Error: 6.84%
  - $\chi^2/\text{dof}$ : 0.007
  - BIC: 1.11
  - Max n deviation: 0.2254

$\Delta\text{BIC} = 6.77$   
Strong preference for Model B