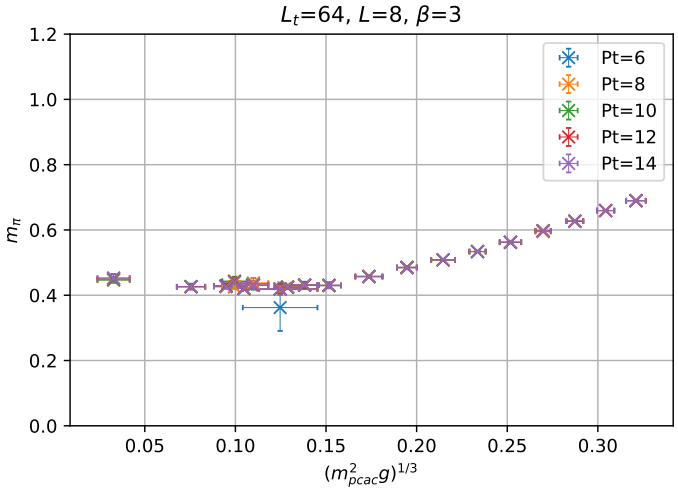
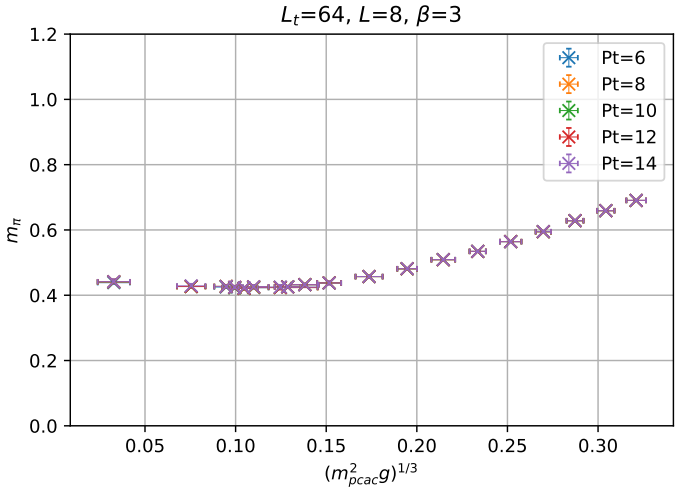
Pion mass with σ_3

March 10, 2022

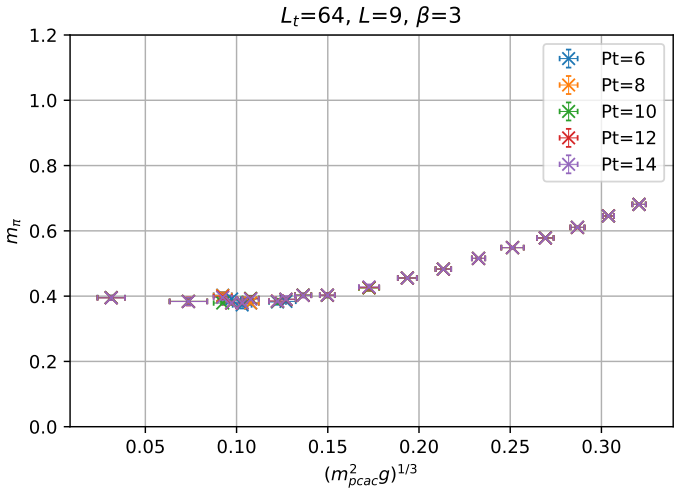
1 $\beta = 3$



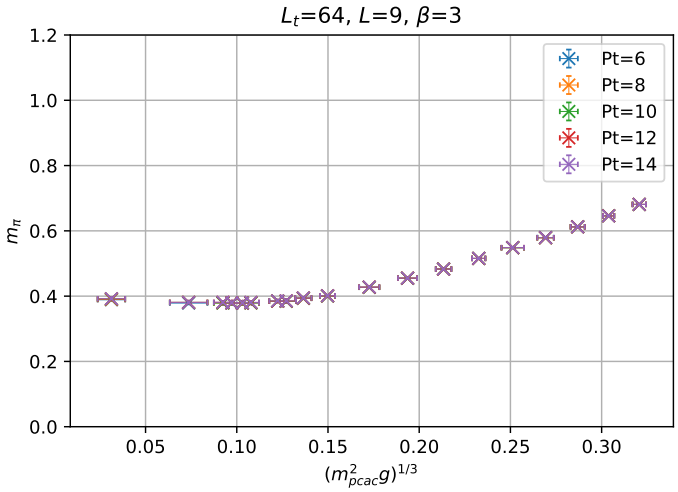
(a) Chi square analysis



(b) Variance analysis



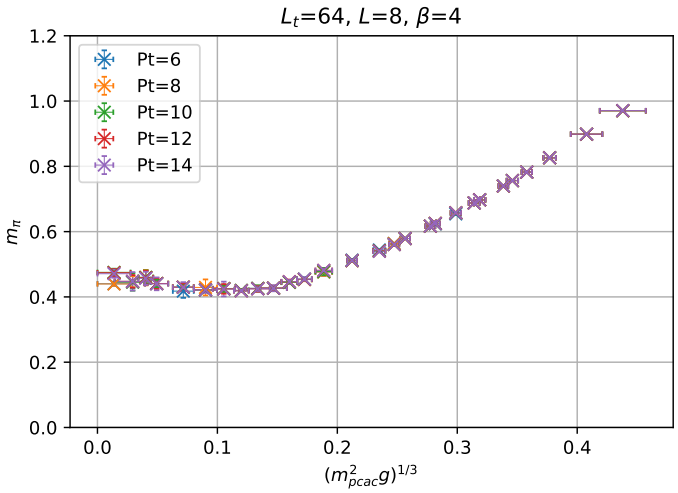
(c) Chi square analysis



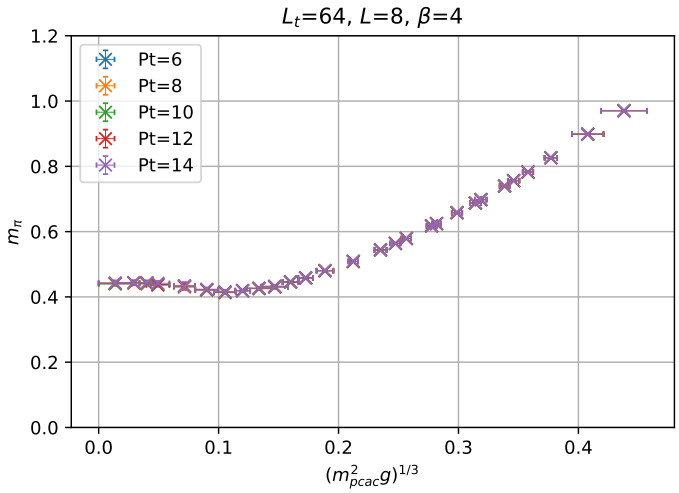
(d) Variance analysis

Figure 1: m_π vs. $(m^2_{\text{pcac}}g)^{1/3}$ for $\beta = 3$ and two different lattices. The pion mass was measured using σ_3.

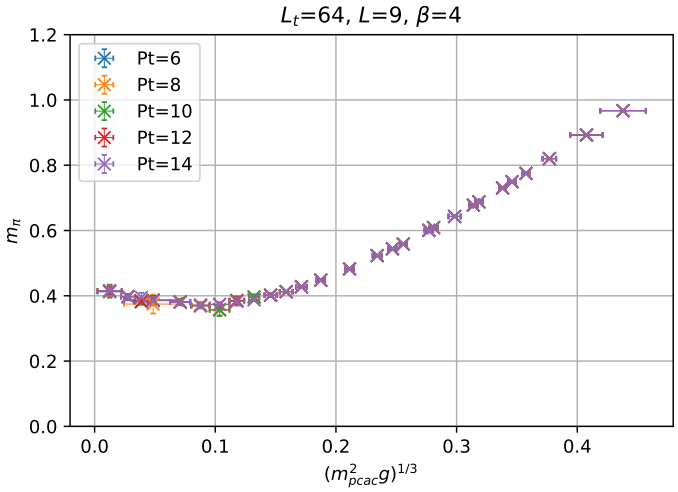
2 $\beta = 4$



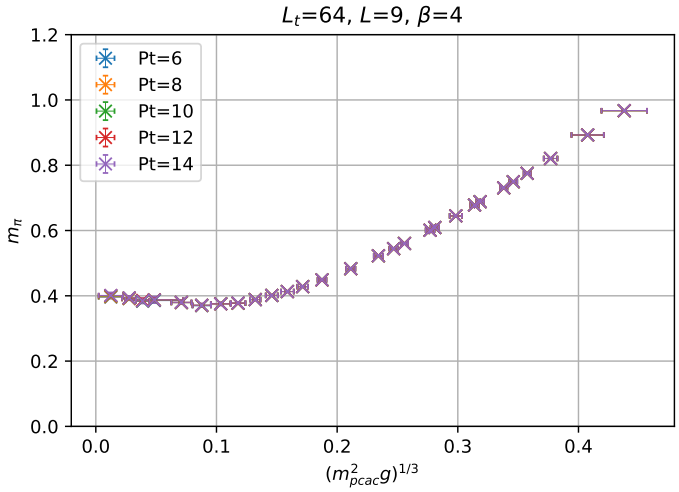
(a) Chi square analysis



(b) Variance analysis



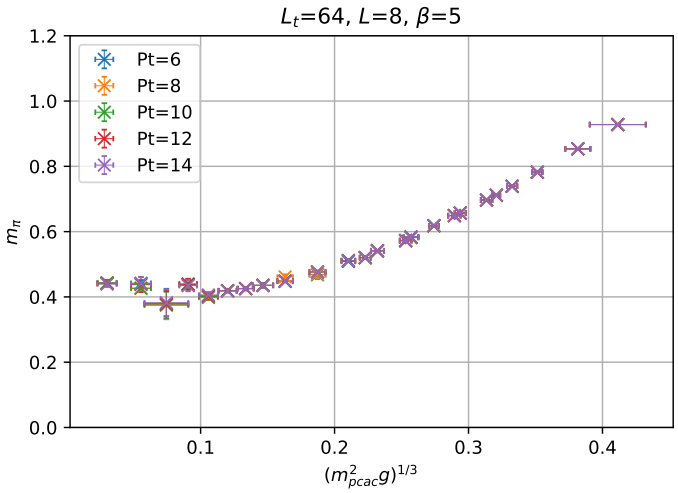
(c) Chi square analysis



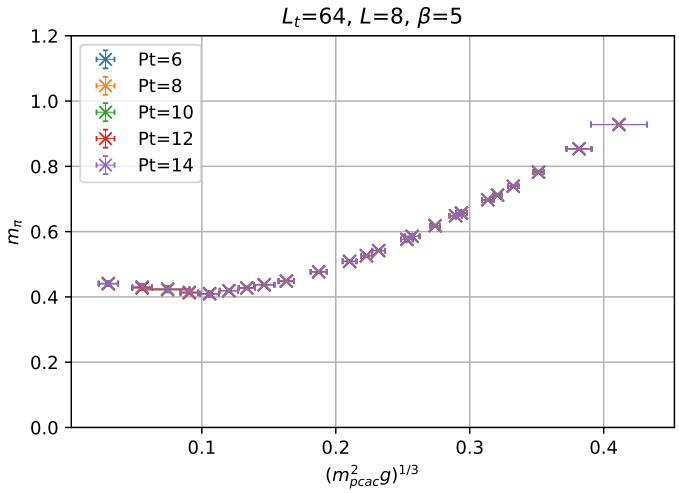
(d) Variance analysis

Figure 2: m_π vs. $(m^2_{\mathrm{pcac}}g)^{1/3}$ for $\beta = 4$ and two different lattices. The pion mass was measured using σ_3.

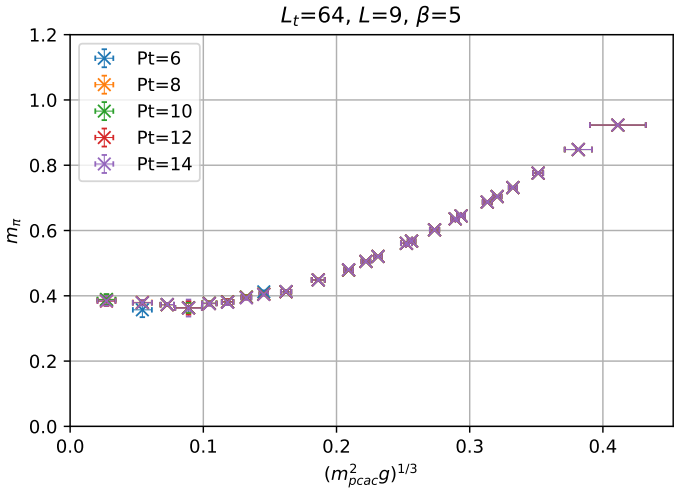
3 $\beta = 5$



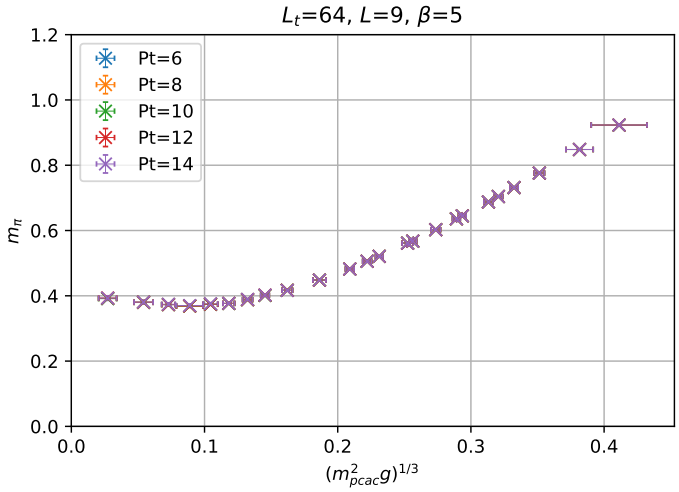
(a) Chi square analysis



(b) Variance analysis



(c) Chi square analysis



(d) Variance analysis

Figure 3: m_π vs. $(m^2_{\rm pcac}g)^{1/3}$ for $\beta = 5$ and two different lattices. The pion mass was measured using σ_3.