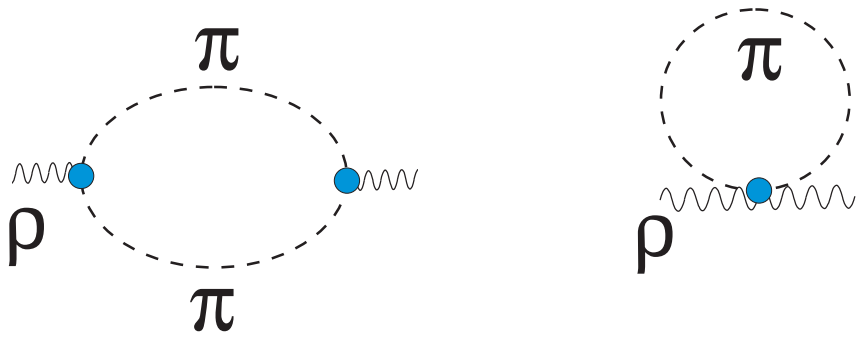
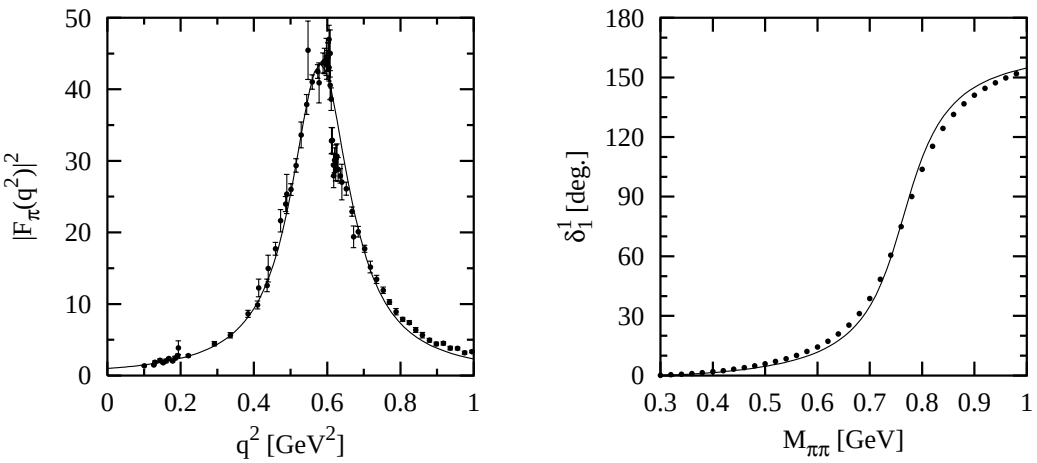
Σ_ρ to order g^2:



regularization via Pauli-Villars $\Lambda = 1$ GeV

$\rightarrow$ covariance and gauge invariance

fits: