



## Chiral Dynamics Predictions for $\eta' \rightarrow \eta \pi \pi$

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We study the decay  $\eta' \rightarrow \eta \pi \pi$  in two different chiral invariant approaches: Large-N Chiral Perturbation Theory and Large-N Resonance Chiral Theory. We analyze the Dalitz plot and the invariant mass spectra. We also compare the relevance of the isoscalar and isovector channels in these approaches.

## Motivation:





Test spontaneous and explicit chiral symmetry breaking

Very much off prediction vs experiment

•  $\eta' \rightarrow \eta \pi \pi$  in ChPT@LO

