

Towards improved hadron femtography with hard exclusive reactions, Aug 10, 2023

Discussion: Meson structure and hard exclusive meson production

1. Pion and kaon electromagnetic form factor.

At what Q^2 does the factorization relation with DA work? Does factorization break down at the end-point regions? How does BS/DSE method results approach the asymptotic limit? What precision is needed from lattice QCD.

2. Pion and kaon GPD from lattice QCD.

What is the role of lattice QCD for understanding pion/kaon GPDs.

3. Sullivan process for pion structure measurement.

How to explain the tension between DY and LN data? Threshold resummation in the fitting of large x behavior. Benchmarks for demonstrating the validity of the approximation.

4. Exclusive J/psi production.

What is the current status of theoretical understanding? What (more/new) do we expect the ongoing experiments to tell us about the proton mass structure and gluon GPDs.