

Recent progress in hadron structure from Lattice QCD

Tuesday, June 6, 2023 2:00 PM (30 minutes)

Lattice QCD has made tremendous progress both in the simulation of gauge ensembles as well as in the analysis of more challenging quantities that probe the 3D structure of hadrons like the generalised parton distributions (GPDs) but also in calculating quantities that potentially can reveal new physics, like the muon anomalous magnetic moment reaching a precision that matches the experimental result. In this talk, I will provide an overview of recent progress in hadron structure and specifically describe recent results towards the determination of the nucleon GPDs.

Primary author: ALEXANDROU, Constantia (University of Cyprus & Cyprus Institute)

Presenter: ALEXANDROU, Constantia (University of Cyprus & Cyprus Institute)

Session Classification: QCD and hadron structure

Track Classification: QCD and hadron structure