

Nucleon structure through Generalized Parton Distributions

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Generalized Parton Distributions provide a 3-dimensional description of hadronic structures in terms of partonic longitudinal momentum and transverse position. They appear as universal functions parameterizing the factorized amplitudes for exclusive scattering in the Bjorken limit. After a decade of exploratory measurements, we are now in a transition towards a new phase of precision mapping. We will review the existing data from Jefferson Laboratory, and their impact on extraction strategies. A full program combining beam and target polarizations will be carried out for these extractions, requiring as well various meson productions in the final state for flavor separation.