

New experimental results on GPDs and perspectives at JLab with a positron beam

giovedì 2 novembre 2023 11:30 (30 minuti)

The Generalized Parton Distributions (GPDs) paradigm has profoundly renewed the understanding of the nucleon structure. As describing the correlations between partons, GPDs allow us to access static and dynamical information about the nucleon structure, ultimately learning about the mechanics of Quantum Chromodynamics. This comprises the total angular momentum of the nucleon carried by the quarks, the distribution of forces experienced by partons inside the nucleon or the gravitational form factors of the nucleon. This presentation will focus on the new experimental results about GPDs from the 12 GeV CEBAF (Continuous Electron Beam Accelerator Facility) and the future measurement projects with an emphasis on the possibilities offered by the perspective of positron beams at CEBAF.

Autore principale: VOUTIER, Eric (CNRS/IN2P3/IJCLab - UPS)

Relatore: VOUTIER, Eric (CNRS/IN2P3/IJCLab - UPS)

Classifica Sessioni: Conference talks