



ID de Contribution: 112

Type: Poster

GPD nucleon model from Dyson-Schwinger equations

lundi 9 mai 2016 15:30 (1 heure)

The extraction of GPDs (Generalized Parton Distributions, that encode information about the correlation between longitudinal momentum and transverse position of the quarks and gluons inside the hadron) is one of the main challenges of Hadronic Physics nowadays. In parallel, the need to produce accurate models in the valence region (relevant for JLab kinematics for example) is important. The Dyson-Schwinger formalism provides an *ab initio* framework close to QCD that one can use to build *in fine* a model for GPDs. This was done successfully for the pion case, and the goal of this work is to extend it to the nucleon.

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Classification de Session: Poster session

Classification de thématique: Particle Physics