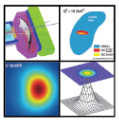

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Fit of Compton Form Factors

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Generalized Parton Distributions (GPDs) allow to describe the structure of the nucleon in a very rich and unprecedented way: they contain the correlations between the (transverse) position and (longitudinal) momentum distributions of the partons in the nucleon, they allow to derive the orbital momentum contribution of partons to the nucleon's spin, they provide an access to the nucleon's ($q\bar{q}$) content, etc...
GPDs can be accessed experimentally through the exclusive leptoproduction of a photon ("Deep Virtual Compton Scattering", DVCS).

In this presentation, we will present the latest results of our fitter code which aims at extracting, in a largely model-independent way, the GPD information, namely Compton form Factors, from experimental data. We will show the results of this code applied to the latest JLab and HERMES DVCS data, which begin to provide some new insights on nucleon structure.

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