

Joint 20th International Workshop on Hadron Structure and Spectroscopy and 5th workshop on Correlations in Partonic and Hadronic Interactions



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Towards precise phenomenology of GPDs

Wednesday 2 October 2024 11:25 (25 minutes)

In my talk, I will focus on the problem of model dependency affecting the phenomenology of generalized parton distributions (GPDs). I will argue that a lot of useful information on nucleon structure can already be accessed from the amplitudes of exclusive processes, particularly thanks to recently developed techniques based on Froissart-Gribov projections. Another way to avoid model dependency is by measuring processes such as double deeply virtual Compton scattering (DDVCS), or by augmenting the phenomenology of GPDs with lattice QCD results. I will touch on these subjects as well.

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