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DVCS on longitudinally polarised proton with the CLAS12 experiment at JLab.

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Measuring Deeply Virtual Compton Scattering (DVCS) is crucial to the study of Generalised Parton Distributions (GPDs). GPDs provide a description in 3D of the position and momentum of quarks and gluons inside the nucleon, which is essential to understand how its global properties emerge.

The extraction of GPDs necessitates high precision measurements of multiple observables on a wide kinematic range. The CLAS12 experiment at JLab uses the upgraded 10.5 GeV polarised electron beam, allowing for the exploration of a broad kinematic range in the valence region with high statistics.

I will present preliminary DVCS spin asymmetry results from the first longitudinally polarised proton target experiment at CLAS12.

session

C. Hadron Structure

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