

Recent Developments in perturbative calculations on DVCS

Deeply virtual Compton scattering (DVCS) is established as the golden channel for accessing generalized parton distributions (GPDs), which encode the nucleon's three-dimensional structure and are crucial for understanding the origin of nucleon spin. In this talk, I will summarize recent theoretical advances in predicting the DVCS process to higher perturbative orders. These developments are essential for analyzing upcoming high-precision measurements from the JLab 12 GeV upgrade, EIC, and EICc, with the ultimate goal of precision nucleon GPD determination.

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