



ID de Contribution: 54

Type: Non spécifié

## Deeply Virtual Compton Scattering experiment with the Neutral Particle Spectrometer in Hall C at JLab

*mardi 26 novembre 2024 17:30 (30 minutes)*

The generalized parton distributions (GPDs) embody multiple information about the inner structure of nucleons thus an important topic to investigate. Experimentally, physicists access GPDs through the Compton Form Factor (CFF), and the Deeply Virtual Compton Scattering (DVCS) is the simplest process to look into.

In Hall C at the Jefferson Lab (JLab), we collected DVCS data from the fall of 2023 to the summer of 2024 with our newly installed Neutral Particle Spectrometer (NPS), which was constructed using 1080 lead tungstate (PbWO<sub>4</sub>) crystals for the detection of emitted photons from DVCS processes and provides us a high energy resolution for the measurement of DVCS cross-section. In this talk, I will present our experimental setup and the preliminary results from our refined offline analysis.

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**Classification de Session:** Hadronic Physics