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DVCS @ HERMES: An Overview

The study of Generalised Parton Distributions (GPDs) promises to provide new knowledge of the structure of the nucleon, including, most notably, access to the total angular momentum of quarks within the nucleon. It can be difficult to ascertain new information on the distributions, but amongst all the exclusive processes that can provide access, Deeply Virtual Compton Scattering (DVCS) is relatively simple and experimentally accessible. The HERMES collaboration has the most diverse results pertaining to DVCS of any experiment, extracting asymmetries in the azimuthal distribution of produced photons according to both beam helicity and charge and target spin state. In this talk, we provide an overview of the HERMES DVCS result catalogue and explain how the results are used to improve constraints on the underlying GPDs. An indication of the progress in extracting DVCS results using truly exclusive measurements at HERMES using the Recoil Detector will also be provided.

Primary author: Dr MURRAY, Morgan (University of Glasgow)

Presenter: Dr MURRAY, Morgan (University of Glasgow)