

Abstract Submitted  
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**Exclusive electroproduction of pions at Hall A, Jefferson Lab<sup>1</sup>**

BISHNU KARKI, Ohio University, DVCS COLLABORATION — Generalized Parton Distributions (GPDs) provide simultaneous spatial and momentum distribution of quarks and gluons inside the nucleons. GPDs can be accessed experimentally through hard exclusive processes like Deeply Virtual Compton Scattering (DVCS) or Deeply Virtual Meson Production (DVMP). Experiment E12-06-114 completed its data taking at the end of 2016 in Hall A at JLab. Main goal of this experiment is to measure the DVCS and exclusive  $\pi^0$  electroproduction cross-sections at various  $Q^2$  for three Bjorken- $x$  in valence regime. These results will provide a stringent test of QCD factorization in hard exclusive processes over a wide range of  $Q^2$  achieved with upgraded CEBAF to 12 GeV. I will show the most recent results for exclusive  $\pi^0$  electroproduction at high Bjorken- $x$  (0.60).

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