

Abstract Submitted
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Target Single Spin Asymmetry in DVCS ERIN SEDER, University of Connecticut, CLAS COLLABORATION — The target single spin asymmetry in the reaction $ep \rightarrow ep\gamma$ is directly proportional to the imaginary part of the Deeply Virtual Compton Scattering (DVCS) amplitude and gives access to a combination of the Generalized Parton Distributions (GPDs) \tilde{H} , H , and E . We present the preliminary single spin asymmetry studies from the eg1-dvcs experiment conducted in Hall B of Jefferson Lab using the Continuous Electron Beam Accelerator Facility's (CEBAF) 6 GeV electron beam, a polarized solid-state $^{14}\text{NH}_3$ target, and the CEBAF Large Acceptance Spectrometer (CLAS) equipped with an additionally built Inner Calorimeter (IC). The high statistics collected allow for detailed studies of the Q^2 , x_B and t dependences of the DVCS amplitude over a wide range of kinematics.

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