Abstract Submitted for the APR11 Meeting of The American Physical Society

Triple Coincidence Beam Spin Asymmetry Measurements in Deeply Virtual Compton Scattering¹ MUSTAFA CANAN, Old Dominion University, JLAB HALL A DVCS COLLABORATION — The Generalized Parton Distributions (GPDs) provides hitherto the most complete information about the quark structure of hadron. GPDs are accessible through hard-exclusive reactions, among which Deeply Virtual Compton Scattering (DVCS) is the cleanest reaction. A dedicated DVCS experiment on Hydrogen (E00-110) ran in the Hall A at Jefferson Laboratory in Fall 2004. I present here Beam Spin Asymmetry (BSA) results for the $ep \rightarrow ep\gamma$ reaction studied in the E00-110 experiment with fully exclusive triple coincidence $H(e, e'\gamma p)$ detection.

¹Supported by US Dept. of Energy.

Mustafa Canan Old Dominion University

Date submitted: 13 Jan 2011

Electronic form version 1.4