

Abstract Submitted  
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**Recent Results From the Two Photon Exchange Experiment at CLAS** MEGH NIROULA, Old Dominion University — Recent results from experiments conducted at Thomas Jefferson National Accelerator Facility have shown a discrepancy in the measurement of the ratio of the Electric ( $G_E$ ) and magnetic ( $G_M$ ) form factors of the proton measured by Rosenbluth Separation and Polarization Transfer Methods. The real part of the Two Photon Exchange (TPE) amplitude in lepton-proton elastic scattering is expected to explain this discrepancy. The ratio of elastic positron-proton to electron-proton cross sections is the only way to access this real part. Measurements of the cross section ratio using a mixed electron-positron beam in CLAS at Jefferson Lab were made. In this talk I will present results from the 2006 TPE test run. The result will focus on two bin in  $Q^2$  and  $\epsilon$  ( $0.4 \geq Q^2 \leq 1.0$ ,  $0.3 \geq \epsilon \leq 0.5$  and  $0.4 \geq Q^2 \leq 1.0$ ,  $0.75 \geq \epsilon \leq 0.92$ ).

Megh Niroula  
Old Dominion University

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