Abstract Submitted
for the DNP07 Meeting of
The American Physical Society

The Double Spin Asymmetry for Exclusive π^+ Production With CLAS JOSHUA PIERCE, University of Virginia, CLAS COLLABORATION — The eg1b run was conducted using CLAS at Jefferson Lab using a 1.6 GeV - 5.6 GeV longitudinally polarized electron beam and polarized nuclear targets (composed of NH_3 and ND_3). This analysis is of the double spin asymmetry A_{et} in the exclusive production of positive pions from a polarized proton ($ep \rightarrow e\pi^+ n$). The double spin asymmetry was measured as a function of the four kinematic variables W, Q^2, $\cos\theta^*$ (the angle between the direction of the virtual photon and the produced pion), and ϕ^* (the angle between the lepton interaction plane and the hadron interaction plane). The value of this asymmetry can be used to determine the spin structure of the resonances. A brief description of the experimental setup will be given, and preliminary results will be shown.

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Date submitted: 02 Jul 2007 Electronic form version 1.4