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## Single and double polarization asymmetries from deeply virtual exclusive $\pi^0$ electroproduction

*Wednesday, 30 April 2014 17:00 (30 minutes)*

The target and double spin asymmetry measurements of exclusive  $\pi^0$  electroproduction were performed for the first time in DIS region at Jefferson Lab using the CEBAF Large Acceptance Spectrometer (CLAS) and longitudinally polarized proton target.

The wide kinematic coverage and good resolution of CLAS allowed measurements in full azimuthal range providing an opportunity to extract single and double spin asymmetries proportional to polarized structure functions.

Their angular dependences in hadronic center-of-mass system were analyzed, and extracted moments are compared to recent theoretical handbag-based calculations based on chiral-even and chiral-odd GPDs contributions.

The interpretation of present results within the framework of the modified perturbative approach and their use as a constraint for models of the  $t$  behavior will be discussed.

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