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Exclusive  $\pi^0$  electroproduction in the resonance region at low  $Q^2$ . NIKOLAY MARKOV, KYUNGSEON JOO, MAURIZIO UNGARO, University of Connecticut, COLE SMITH, University of Virginia, CLAS COLLABORATION — We report the analysis of single  $\pi^0$  electroproduction in the resonance region to study the electromagnetic excitation of the nucleon resonances. The study is aimed at understanding of the internal structure and dynamics of the nucleon. The experiment was performed using an unpolarized cryogenic hydrogen target and 2.0 GeV polarized electron beam during the ele run period with CLAS at Jefferson Lab. The new measurements will produce a data base with high statistics and large kinematic coverage for the hadronic invariant mass W up to 1.8 GeV in the momentum transfer  $Q^2$  range of 0.3 - 1.0 (GeV/c)<sup>2</sup>. Preliminary results will be presented and compared with the various model calculations.

Nikolay Markov University of Connecticut

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