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\[ \pi^0 \text{ electroproduction in the resonance region.} \]
NIKOLAY MARKOV, MAURIZIO UNGARO, University Of Connecticut, COLE SMITH, University of Virginia, KYUNGSEON JOO, University Of Connecticut, CLAS COLLABORATION — We report the analysis of single \( \pi^0 \) electroproduction in the resonance region to study the electromagnetic excitation of 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 elf run period with CLAS at Jefferson Lab. The new measurements will produce a database with high statistics and large kinematic coverage for the hadronic invariant mass \( W \) up to 1.9 GeV in the momentum transfer \( Q^2 \) range of 0.3 - 1.0 GeV\(^2\). Preliminary partial wave analysis results will be presented and compared with the various model calculations.

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