

Abstract Submitted
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Single Pion Electroproduction with CLAS in the Q^2 Region of $1.0 - 2.0 \text{ GeV}^2$ ¹ NICHOLAS TYLER, Univ of South Carolina, CLAS COLLABORATION COLLABORATION — The results on nucleon resonance electroexcitation amplitudes give unique insight into the dynamics of the strong interaction. They elucidate the structure of the nucleon and its excitations, and in total better our understanding of quantum chromodynamics. Preliminary results from an ongoing study of single pion electroproduction from the CLAS experimental runs will be shown. In particular the cross sections from the resonance region produced from low photon virtualities, Q^2 . Currently there is a gap in the single pion cross section data of Q^2 between $1.0 - 2.0 \text{ GeV}^2$. Studies of the $N\pi$ channel in this region will add to our understanding and be a valuable input to theoretical reaction models.

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