## ELECTROPRODUCTION AND TRANSITION FORM FACTORS – ON THE ROAD TO A BARYON SPECTRUM

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The CLAS detector at Jefferson Lab is a unique instrument, which has provided the lion's share of the world's data on meson photo- and electroproduction in the resonance excitation region. The electroexcitation amplitudes for the lowlying resonances  $P_{33}(1232)$ ,  $P_{11}(1440)$ ,  $D_{13}(1520)$ , and  $S_{11}(1535)$  were determined over a wide range of  $Q^2 < 5.0 \text{ GeV}^2$  in a comprehensive analysis of exclusive single-meson ( $\pi^+ n$ ,  $\pi^0 p$ ) reactions in the electroproduction off protons. Further, CLAS was able to precisely measure  $\pi^+\pi^-p$  electroproduction differential cross sections provided by the nearly full kinematic coverage of the detector. The electrocouplings of the  $P_{11}(1440)$ ,  $D_{13}(1520)$ ,  $S_{31}(1620)$ , and  $D_{33}(1700)$ excited states are determined from the exclusive- $\pi^+\pi^-p$  reaction. Consistent results on the electrocouplings from two-independent analyses (single- and doublepion electroproduction) have provided compelling evidence for the reliable extraction of the  $N^*$  electrocouplings. Preliminary results on the electrocouplings of the  $S_{31}(1620)$ ,  $S_{11}(1650)$ ,  $D_{33}(1700)$ ,  $P_{11}(1710)$ , and  $P_{13}(1720)$  states have recently become available. Theoretical analyses of these results have revealed that there are two major contributions to the resonance structure: a) an internal quark core and b)! an external meson-baryon cloud. These CLAS results have had considerable impact on QCD-based studies on  $N^*$  structure and in the search for manifestations of the dynamical masses of the dressed quarks. Future CLAS12 N\* structure studies at high photon virtualities will considerably extend our capabilities in exploring the nature of confinement and dynamical chiral symmetry breaking in baryons.