## Electroproduction of $p\pi^+\pi^-$ off protons at 2 GeV<sup>2</sup> < Q<sup>2</sup> < 5 GeV<sup>2</sup> and 1.3 GeV < W < 3 GeV

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One of the goals of the N\* program at JLab is to understand the evolution of the dominant degrees of freedom (d.o.f) of QCD at varying length scales  $(Q^2)$ . A method of probing this evolution is by studying how the electrocouplings - couplings of a virtual photon to the nucleon excited nuleon vertex  $(\gamma_v NN^*)$  - change with  $Q^2$ . In my presentation, I will provide an update on a new approach to obtain beam spin asymmetry observables from the reaction  $\gamma_v p \rightarrow p \pi^+ \pi^-$ , that will be used to extract the electrocouplings for the  $Q^2$  range of this analysis. The update will be preceded by a short introduction to the electrocouplings motivated observables and followed by a summary outlining the steps remaining before my analysis is complete.