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Exclusive $p\pi^+\pi^-$ electroproduction in the resonance region at high Q^2 EVGENY ISUPOV, Moscow State University, VOLKER BURKERT, VICTOR MOKEEV, Jefferson Lab — We report on the analysis of charged 2-pion electroproduction in the kinematical region of nucleon resonances. The data were taken with a 5.75 GeV continuous electron beam at Jefferson Lab impinging on a liquid hydrogen target to measure the process $ep \to ep\pi^+\pi^-$. Scattered electrons and at least two of the final state hadrons were detected in the CEBAF Large Acceptance Spectrometer (CLAS), and the fully exclusive process was determined using kinematical constraints from the over-determined reaction. The data were used to measure nine differential cross sections and the fully integrated cross section in the invariant mass range of the hadronic final state from 1.4 to 2.0 and at photon virtualities $2.0 < Q^2 < 5\ GeV^2$. Phenomenological analysis of these data within the framework of reaction model JM is in progress with the goal of establishing all essential contributing mechanisms from their manifestation in observables. New information on N^* electrocouplings at high Q^2 will give access to the N^* structure at distance scales in the transition from the domain where contributions of both meson-baryon and quark degrees of freedom are essential, to the domain where contributions of the dressed quark core dominate.

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