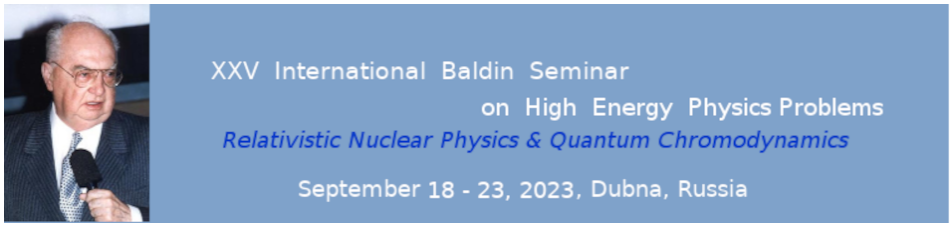

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Transition amplitudes at high momentum transfer for electroexcitation of low lying nucleon resonances in a light-front quark model.

Thursday, 21 September 2023 12:40 (20 minutes)

A workable basis of quark configurations s^3, s^2p and sp^2 at light front has been constructed to describe the high-Q^2 behavior of transition form factors in the electroproduction of the lightest nucleon resonances. High quality data of the CLAS Collaboration are described in the framework of a model which takes into account mixing of the quark configurations and hadron-molecular states. The model allows for a rough quark core weight in the wave function of the resonance in a comparison with high momentum transfer data on resonance electroproduction.

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