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Dynamical

coupled-channels study of photo- and electro-production reactions¹ H. KAMANO, EBAC@JLab, B. JULIA-DIAZ, EBAC@JLab, University of Barcelona, T.-S.H. LEE, EBAC@JLab, ANL, A. MATSUYAMA, EBAC@JLab, Shizuoka University, T. SATO, N. SUZUKI, EBAC@JLab, Osaka University — A comprehensive study of the meson production reactions with initial πN , γN , and N(e, e') based on a dynamical coupled-channels approach is being made to explore the structure of the N^* states in the Excited Baryon Analysis Center (EBAC) at Jefferson Lab. In this talk we present a current status of our study of the photo- and electro-production reactions, particularly focusing on the single and double pion production reactions. We will also discuss what impact the so-called "complete-measurement" of single pseudoscalar meson photoproduction reactions has on the construction of reaction models, which is a key to the precise determination of the N* properties.

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