

Abstract Submitted
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Photon beam asymmetries for π^0 and π^+ photoproduction from the proton¹ MICHAEL DUGGER, Arizona State University, CLAS COLLABORATION — Pion photoproduction data have been vital to uncovering details of the nucleon resonance spectrum. The pions, as the lightest mesons, are copiously produced in the strong interaction. However, while pion photoproduction data is an important fundamental tool in baryon spectroscopy, the existing data set still remains relatively limited, and the existing database is dominated by measurements of the differential cross sections. I will present preliminary Jefferson Lab data from CLAS on photon beam asymmetry for both the π^0 and π^+ reactions for energies up to about $E = 2.1$ GeV. The kinematic range of these measurements both complements and extends the world database for these reactions.

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