

Preliminary results of the E observable for eta meson photoproduction on the proton.

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Polarization observables are an important tool for understanding and clarifying baryon resonance spectra. Compared to differential cross-section data, very few data exist. Recently double polarization experiments were conducted at Jefferson Lab using a polarized photon beam and a polarized frozen spin target (FroST). All data used in this analysis were taken during the first running period of FroST using the CLAS detector at Jefferson Lab with photon energies ranging from 329 MeV to 2.35 GeV. We present preliminary data for the E polarization observable for eta meson photoproduction at threshold and above, along with comparisons to several theoretical predictions.

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