

Abstract Submitted
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G14 Polarization Observables for Double Charged Pion Photo-production. PENG PENG, University of Virginia, JLAB CLAS COLLABORATION — The work to be presented is part of the JLab N* program to search for new resonances by partial wave analysis of the unpolarized cross sections and many polarization observables. This talk will describe the recently completed g14/E06-101 experiment on polarized HD in Hall B of Jefferson Lab, including preliminary results for two charged pion photo-production asymmetries on both polarized protons and polarized quasi-free neutrons. The same polarization observables for a proton target are compared with previous published experiment with good agreement, and the new results for quasi-free neutrons will also be given. Significant differences between proton and neutron targets are evident in both the Dalitz distributions and the polarization observables.

Peng Peng
University of Virginia

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