

Abstract Submitted
for the APR18 Meeting of
The American Physical Society

Antibaryon Photoproduction using CLAS at Jefferson Lab

WILLIAM PHELPS, The George Washington University, CLAS COLLABORATION — There is little known about the baryon-antibaryon photoproduction mechanism. Three reactions, $\gamma p \rightarrow pp\bar{p}$, $\gamma p \rightarrow pp\bar{n}\pi^-$, and $\gamma p \rightarrow pn\bar{p}\pi^+$ have been investigated for the photon energy range of 3.95-5.45 GeV. The data were from the g12 experiment taken with the CLAS detector using a liquid hydrogen target in Hall B at Thomas Jefferson National Accelerator Facility. This experiment had high statistics, with an integrated luminosity of 68 pb⁻¹. General features of the data and preliminary cross sections for the $p\bar{p}$ system will be discussed.

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Date submitted: 12 Jan 2018

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