

Abstract Submitted
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Cross-section measurement of the $\gamma n \rightarrow \pi^- p$ process from deuterium¹ WEI CHEN, THE CLAS COLLABORATION — Photopion production from nucleons are essential probes of the transition from meson-nucleon degrees of freedom to quark-gluon degrees of freedom in exclusive processes. There are few previous measurements of π^- photo-production above photon energies of 2 GeV. Data taken during the CLAS g10 running period cover a significantly extended range of kinematics. We carried out an analysis of the $\gamma n \rightarrow \pi^- p$ process for photon energies between 1 to 3.5 GeV and pion center-of-mass angles between 50° to 150° . Preliminary results are extracted and will be presented in this talk.

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