

Abstract Submitted
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Measurement of K^0 photoproduction on liquid deuterium¹ CHANDRASEKHAR AKONDI, D.M. MANLEY, Kent State University, A2 COLLABORATION — Measurements of K^0 photoproduction on a liquid deuterium target were performed using the Crystal Ball and TAPS detectors at the Glasgow tagged photon facility of the Mainz Microtron, MAMI-C. Events for $\gamma n \rightarrow K^0 \Lambda$, $\gamma n \rightarrow K^0 \Sigma^0$, and $\gamma p \rightarrow K^0 \Sigma^+$ are identified by selecting events with six to eight clusters, which correspond to final-state photons or nucleons. We will compare results of Monte Carlo simulations using GEANT-4 with preliminary results for the measured data.

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Chandrasekhar Akondi
Kent State Univ - Kent

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