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**Near threshold Λ(1115) photo production on a deuteron**[1] BRIAN BECKFORD, American Physical Society, NKS2 COLLABORATION — Experiments focused on the photo-production of $K^0$ and Lambda in the threshold energy region were performed at Research Center for Electron Photon Science, Tohoku University (ELPH). We carried out the study using tagged photons at energies between 0.8 - 1.08 GeV incident on a liquid deuterium target. Measurements of the decay products from the produced strange particles were accomplished utilizing the upgraded Neutral Kaon Spectrometer (NKS2). We present momentum and angle dependent differential cross sections, integrated and total cross sections as well as recoil polarizations in this report. Recent theoretical predictions were compared with our experimental findings and are discussed.

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