

Abstract Submitted  
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**The Photoproduction of  $\Lambda^*(1520)$**  ZHIWEN ZHAO, Dept of Phys, U of South Carolina, CLAS COLLABORATION — The photoproduction of  $\Lambda^*(1520)$  on both the proton and neutron have been studied by using CLAS eg3 run data set. The reactions are  $\gamma d \rightarrow K^+ \Lambda^*(n)$  and  $\gamma d \rightarrow K^0 \Lambda^*(p)$  with  $\Lambda^* \rightarrow pK^-$ . Both preliminary total and differential cross sections have been extracted in the photon energy region  $1.75\text{GeV} < E_\gamma < 5.50\text{GeV}$ . This is the first time that the photoproduction of  $\Lambda^*(1520)$  on the neutron is reported. And we will extend the results on the proton to higher energies than in previous studies.

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