**Photoproduction of the Omega- in JLab's Hall B CLAS12**

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The photoproduction of the very strange hyperon, the Omega-, cross-section is unknown. The dynamics of the Omega photoproduction is unclear – there are no strange quarks in the initial case while three quarks are in the final state. There are theoretical predictions for the Omega- hyperon photo- and electroproduction that varies from 1 to 300 pb, but there is only an upper limit of the cross section (σt < 17 nb at 20 GeV) reported by SLAC. In order to measure the cross section for γp → Ω−K+K+K0 and to study the reaction mechanism for the Ω− in photoproduction we will analyze data from two of the experimental halls at Thomas Jefferson National Accelerator Facility. The CLAS12 physics program studies baryon spectroscopy with quasi-real photoproduction in a large variety of final states, and Run Group A experiments require an 11 GeV beam and a liquid hydrogen target. Thus, we are aiming to develop a better understanding of the mechanism of "Very Strange" hyperon photoproduction, and to obtain accurate measurements of a cross section like the Omega- using data from CLAS12.

This work was performed with support from US DOE DE-SC001658, The George Washington University, and Thomas Jefferson National Accelerator Facility.