Abstract Submitted
for the DNP13 Meeting of
The American Physical Society

Simulations for Kaon Absorption Studies DANIELLE STEWART, MICHAEL WOOD, Canisius College, CLAS COLLABORATION — The three pieces needed to determine the K_s^0 transparency ratios are the kaon yields, the target thickness, and the detector acceptance. This poster will describe our simulations for the neutral kaon acceptance by the CLAS detector for the E01-112 experiment. The experiment was conducted in Hall B at the Thomas Jefferson National Accelerator Facility for the purpose of searching for medium modifications of mesons. The reactions are the photo-production of mesons from targets of deuterium, carbon, iron, and lead. Our calculations employ the PLUTO++ software for the generator and GSIM to simulate the detector.

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Date submitted: 29 Jun 2013 Electronic form version 1.4