



Contribution ID: 103

Type: **Poster**

Many Proton Knock-Out From Nuclear Targets Using Real Photon Beams

Wednesday, 15 September 2021 13:10 (5 minutes)

The main goal for modern nuclear physics is to build a fundamental understanding of the nuclear structure and dynamics from fundamental principles of the strong nuclear force (QCD). A plethora of experimental data exist on light and heavier nuclei utilizing experiments at Thomas Jefferson laboratory (JLAB) and the CEBAF Large Acceptance Spectrometer that can be used to study nuclear reactions in great detail. In this poster we will present our work in which we utilize a real photon beam to studying many proton knock-out reactions. Our preliminary results are compared with predictions from theoretical models and specifically from Giessen Boltzmann-Uehling-Uhlenbeck project (GiBUU), to obtain a better understanding of the underlying dynamics in such many-body systems.

Presenter: WILLIAMS, Rhidian (University of York)

Session Classification: Poster Session