

# The BONuS Experiment with CLAS12

M. Hattawy and S. Kuhn (The CLAS Collaboration)

The BONuS experiment studies nearly free neutrons through electron scattering observables like structure functions, Deeply Virtual Compton Scattering (DVCS), and other reactions. By observing a slow, backwards-moving spectator proton in the reaction  $D(e,e'p_s)X$  in coincidence with the scattered electron and other reaction products, nuclear uncertainties are minimized. BONuS ran in Winter and Summer 2020 in Hall B of Jefferson Lab with an electron beam of 10.4 GeV, using the CLAS12 spectrometer and a custom-built Radial Time Projection Chamber (RTPC). In this talk, we will discuss the performance of the RTPC, and present the status of the data analysis.