

# Exclusive Measurement of Deeply Virtual Compton Scattering off $^4\text{He}$

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Deeply virtual Compton scattering and meson production are proven prime reactions to progress our understanding of partonic structure via Generalized Parton and Transverse Momentum Distribution frameworks. Their extension to nuclei is of particular interest, with the possibility of revealing new information on the modification of partonic structure in nuclear media. In Hall-B at Jefferson Lab, we have the first opportunity to exclusively measure such reactions on the  $^4\text{He}$  nucleus, ideal due to its simplicity, high density, and lack of (iso)spin. A 6 GeV longitudinally polarized electron beam and gaseous  $^4\text{He}$  target, combined with the large acceptance CLAS detector system, augmented by a radial time projection chamber for nuclear recoils and small calorimeter for forward photons, makes this possible. The first exclusive measurement of DVCS off  $^4\text{He}$  will be presented, including beam spin asymmetries and extraction of the Compton form factor, as well as a simultaneous measurement of  $\pi^0$  production.