Proton Generalized Polarizabilities

Fundamental structure constants of the proton

They characterize the response of the proton to an external electric & magnetic field

Ongoing VCS program at JLab

Extend the measurements of the electric & magnetic GPs at JLab utilizing the **existing experimental infrastructure** to improve the precision for the electric & magnetic GPs

Identify the shape of the structure in the electric GP, that is a valuable input for the theory in order to explain the underlying mechanism responsible for the effect.





