

Abstract Submitted
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Nucleon structure studies through exclusive reactions with an EIC at JLab TANJA HORN, The Catholic University of America — Hadrons in QCD are relativistic many-body systems, with a fluctuating number of elementary quark/gluon constituents and a very rich structure of the wave function, with distinct components in different kinematic regions. The 12 GeV energy upgrade at Jefferson Lab will allow a detailed study of the valence quark component. With an EIC at Jefferson Lab we enter the region where the many-body nature of hadrons, coupling to vacuum excitations, etc., become manifest. In this talk I will discuss the exciting prospects of studying the landscape of nucleon structure using exclusive reactions, and in particular the gluon and sea quark imaging of the nucleon.

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