

Abstract Submitted  
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**GCF Analysis of SRC Measurements via the  $(e,eN)$  and  $(e,eNN)$  Reactions** JACKSON PYBUS, Massachusetts Institute of Technology MIT — The Generalized Contact Formalism (GCF) is a new effective theory that allows to consistently describe the short-distance and high-momentum part of the nuclear wave function, as well as hard nucleon knockout reaction cross-sections. In this talk I will present the application of the GCF for modeling recent measurements of short-range correlated nucleon pairs in nuclei using the  $(e, eNN)$  reaction. The calculations allow discriminating between different nucleon-nucleon interaction models while utilizing both instant form and relativistic light-front SRCs and using input from many-body ab-initio calculations. Special emphasis will be given to proper model uncertainty estimation and presentation of predictions for upcoming experiments where the GCF allows optimizing their sensitivity to observables of interest.

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