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**Matrix elements of bound states in a finite volume** ANDREW JACKURA, Old Dominion University, RAL BRICEO, Old Dominion University Jefferson Lab, MAXWELL HANSEN, CERN — Recently, a framework was developed for studying form factors of two-body states probed with an external current. Finite volume matrix elements that may be computed via lattice QCD are converted to infinite volume generalized form factors. These generalized form factors allow us to study the structure of composite states. In this talk, we consider the application of this formalism to bound states, and compare the leading finite volume effects to the general results of the framework. Specifically, we pay close attention to the implication of this formalism for the extraction of the form factors of the deuteron.

Andrew Jackura  
Old Dominion University

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