

Abstract Submitted  
for the DNP20 Meeting of  
The American Physical Society

**Finite volume relations for two hadron matrix elements and form factors** ANDREW JACKURA, RAUL BRICENO, Old Dominion University and Jefferson Lab, MAXWELL HANSEN, CERN — Recently, a framework has been developed to study form factors of two hadron states probed by an external current. The method is based on relating two hadron finite-volume matrix elements, computed using lattice QCD, to the corresponding infinite-volume generalized form-factors. We review the formalism, as well as the analytic properties of the generalized form-factors. As a consistency check, we study the formalism in two limits: The limit where the interaction between the two hadrons is perturbative, and the limit where the system forms a bound state. These checks allow us to verify that the formalism yields the expected finite volume scaling relations.

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Date submitted: 26 Jun 2020

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