

Abstract Submitted  
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**Study of Neutrino Nucleus Interaction** CLAYTON RISTOW,  
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FRIEDLAND, SLAC National Accelerator Laboratory — Neutrino-nucleus cross  
sections in the GeV energy range suffer from large uncertainties, yet good knowledge  
of these cross sections is essential for the success of the current and next generation  
of neutrino experiments, particularly DUNE. In this talk, we study the impact of  
different assumptions in the treatment of neutrino-nucleus and neutrino-nucleon in-  
teractions. We show how the results from hadronic experiments at JLab and Mainz  
concerning the form factor of the nucleons will help to better determine these cross  
sections.

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