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Abstract for an Invited Paper for the APR16 Meeting of the American Physical Society

## What can electron scattering tell us about neutrino physics? CYNTHIA KEPPEL, Thomas Jefferson National Accelerator Facility

The interpretation of results from current and future neutrino oscillation experiments will necessitate precision descriptions of neutrino-nucleus interactions. The achievement of this goal requires a multidisciplinary effort, with nuclear physics providing input to properly constrain leading systematics. Collaboration between the electron and neutrino scattering communities has been developing to address this need. Beyond oscillation experiments, differences between electron and neutrino experiments can provide insight into nucleon and nuclear structure. This talk will highlight some recent and anticipated results from electron scattering experiments of direct relevance to neutrino data, as well as discuss some synergistic studies of interest to both communities.