

New results from JLab e-Ar experiment (ONLINE)

Tuesday, October 25, 2022 9:30 AM (30 minutes)

In this talk I will present the recent results on inclusive and exclusive electron scattering cross section measurements on Ar at Jefferson Lab Hall A. I will describe how this experiment will inform the future neutrino oscillation experiment like DUNE and I will describe how the electron scattering data can be used to determine accurate nuclear model that describes neutrino-nucleus interaction. High accuracy in understanding neutrino nucleus scattering is crucial for future long baseline neutrino experiments.

Primary author: MARIANI, Camillo (Virginia Poly. Inst. & State Univ. (US))

Presenter: MARIANI, Camillo (Virginia Poly. Inst. & State Univ. (US))

Session Classification: Electron-Nucleus Scattering