Contribution ID: **104** Type: **Talk**

QE Scattering

Friday 22 May 2009 15:00 (45 minutes)

In this first topic of the session, we will invite an open discussion on the current situation in measuring and modeling neutrino QE scattering on nuclei. The session will start with a few brief presentations and then the floor will be open for general discussion. Here, we will specifically address whether or not we have a solid understanding of QE scattering on nuclear targets. Do we understand the difference in axial mass measurements from various experiments? Can new theoretical calculations explain what we are seeing in experimental data, both in shape and normalization? Do we need to start seriously considering a non-dipole axial form factor? At low Q2, are there better alternatives to the use of the Pauli blocking scale parameter, kappa, as introduced by MiniBooNE? Do we understand the normalization of the QE cross section? What can we learn from modern NC elastic scattering data? The hope is to leave the workshop with a better understanding of the problem and what to do next.

Authors: ALVAREZ-RUSO, Luis (Universidad de Murcia); BENHAR, Omar (INFN); TAYLOE, Rex (Indiana University)

Presenters: ALVAREZ-RUSO, Luis (Universidad de Murcia); BENHAR, Omar (INFN); TAYLOE, Rex (Indiana University)

Session Classification: The path forward: theory vs. experiments needs I

Track Classification: The path forward: theory vs. experiments needs