

Preliminary Results From the MINERvA Experiment

samedi 23 juillet 2011 11:00 (15 minutes)

The MINERvA detector, operating since 2009 in the NuMI beam line at Fermilab, has collected neutrino and antineutrino scattering data on a variety of nuclear targets. The detector is designed to identify events originating in plastic scintillator, lead, carbon, iron, water, and liquid helium. The goals of the experiment are to measure precisely inclusive and exclusive cross sections for neutrino and antineutrino interactions for these targets. We present preliminary kinematic distributions for charged current quasi-elastic scattering and other processes.

Auteur principal: Prof. PAOLONE, Vittorio (University of Pittsburgh)

Orateur: HARRIS, Deborah (Fermilab)

Classification de Session: Neutrino Physics

Classification de thématique: Neutrino Physics