



Tuesday 5 July, 11:40 – 12:05

Session 6: Neutrino interactions

Recent results from MINERvA

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The MINERvA experiment at Fermilab was designed to make high precision measurements of neutrino-nucleus interactions and nuclear effects that are critical to current and future neutrino oscillation experiments. In the past year, MINERvA has released a variety of results that offer a wealth of new information about the role of the target nucleus in neutrino interactions. A selection of these results will be presented, including studies of low recoil neutrino interactions, quasi-elastic scattering, charged pion production and deep inelastic scattering. All of these results cover the first oscillation maximum of the Deep Underground Neutrino Experiment (DUNE) and utilize a new prediction of the NuMI beam flux with substantially reduced uncertainties, which will also be discussed.