

Andrew Furmanski

Abstract:

MicroBooNE's cross section measurements will be the first high-statistics measurements of neutrino-argon scattering.

These measurements are critical for the success of DUNE, and of the SBN programme. Over the next 6 months we will publish the first measurements of neutrino cross sections at MicroBooNE, including critical background measurements for a MicroBooNE electron neutrino-like excess search (motivated by results from MiniBooNE), and topologies that will constrain the impact of nuclear effects in argon.