Contribution ID: **49** Type: **Working Group Sessions**

Detector performance and cosmic-ray reconstruction efficiency in MicroBooNE

Friday, June 23, 2017 9:00 AM (15 minutes)

The MicroBooNE experiment is a liquid argon time projection chamber (LAr TPC) designed for short-baseline neutrino oscillation physics. Its goals are to investigate the excess of low-energy electromagnetic events, observed by the MiniBooNE experiment, and to measure neutrino-argon cross-sections. MicroBooNE also provides important research and development in terms of the detector technology and event reconstruction techniques for future LArTPC experiments. This talk will show recent results on MicroBooNE detector performance from our first 18 months of running and a method to measure the cosmic-ray reconstruction efficiency using an external cosmic-ray counter.

Primary author: Mr SOLETI, Stefano Roberto (University of Oxford)

Presenter: Mr SOLETI, Stefano Roberto (University of Oxford)

Session Classification: Working Group: Neutrino Physics

Track Classification: Neutrino Physics Working Group