



# CERN Joint EP/PP Seminars

**SPEAKER:** Dr. Geoff Mills (LANL)  
**TITLE:** **New Observations by the MiniBooNE  
Experiment - exceptionally on Wednesday**  
**DATE:** Wed 28/07/2010 11:00  
**PLACE:** 222-R/001

## ABSTRACT

The MiniBooNE neutrino oscillation search experiment at Fermilab has recently completed the analysis of anti-neutrino data it has collected in Fermilab's booster neutrino beam. With  $5.66 \times 10^{20}$  protons on target in anti-neutrino mode the experiment is now becoming sensitive to the excess  $\bar{\nu}_\mu$ - $\nu_\mu$  signal observed by LSND. This presentation will discuss the MiniBooNE data, its interpretation, and its implications to the neutrino community.