

DNP11-2011-000148

Abstract for an Invited Paper
for the DNP11 Meeting of
the American Physical Society

New Results from Long Baseline Experiments

KATE SCHOLBERG, Duke University

Experiments using high-energy beams of neutrinos detected after they have propagated hundreds of kilometers aim to improve knowledge of neutrino mixing. The current physics emphasis of long baseline beam neutrino oscillation experiments is on the measurement of the θ_{13} mixing angle and on muon neutrino disappearance. This talk will review new results from the current long baseline experiments T2K, MINOS and OPERA (and the implications of these results), and will also cover prospects for future measurements with experiments in the US, Europe and Asia.