

PHYSICS DEPARTMENT COLLOQUIUM

“Physics Results from NuMI/MINOS”

BY

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MINOS (Main Injector Neutrino Oscillation Search) is a long baseline neutrino experiment. A beam of neutrinos is produced at Fermilab and travels in the direction of Soudan, MN, 735 km away. The muon neutrino rates and energy spectra at the two locations are compared. A suppression in the measured rates at Soudan as well as a distortion of the energy spectrum have been observed, consistent with the hypothesis of neutrino oscillations. I will present the latest MINOS results corresponding to the first year of running.

THURSDAY, NOVEMBER 16, 2006
4:00 PM IN 102 JFB
REFRESHMENTS AT 3:30 PM IN 219 JFB