

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Latest Atmospheric Neutrino Results from MINOS PEDRO OCHOA, CalTech, MINOS COLLABORATION — The latest atmospheric neutrino results based on 418 days of exposure of the MINOS Far Detector in Soudan, MN are presented. A fit to the observed L/E distribution excludes the null oscillation hypothesis at the 98% level, and a charge ratio measurement for atmospheric neutrinos is obtained. These results constitute the first observation of atmospheric neutrino interactions for neutrinos and antineutrinos separately.

Peter Shanahan
Fermilab

Date submitted: 14 Jan 2006

Electronic form version 1.4