

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Sorting Category: F11. (E)

Electron Neutrino Background Analysis for the MINOS Near Detector GREGORY PAWLOSKI, Stanford University —
The MINOS experiment has the potential to observe electron neutrino appearance for a set of oscillation parameters that has not been excluded by the CHOOZ experiment. However, the observation of this hypothetical signal relies on an accurate understanding of the backgrounds. In order to understand these backgrounds, an analysis of the MINOS near detector energy spectrum, which contains no oscillated signal, is utilized. The results of this analysis can then be extrapolated to the far detector to yield the background estimate. The details and results of this near detector analysis are discussed.

Prefer Oral Session
 Prefer Poster Session

Gregory Pawloski
pawloski@fnal.gov
Stanford University

Date submitted: 09 Jan 2008

Electronic form version 1.4