

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Predicting the Electron Neutrino Background Components at the MINOS Far Detector JOSHUA BOEHM, Harvard University, MINOS COLLABORATION — The MINOS experiment has the potential to observe or set more stringent limits on the appearance of electron neutrinos. Critical to the ability to resolve a possible signal is an accurate prediction of the total background from all neutrinos at the MINOS Far Detector. Upon measuring the most significant background components at the MINOS Near Detector, it is possible to extrapolate and predict the number of background events expected at the MINOS Far Detector. The details of these techniques are discussed.

Joshua Boehm
Harvard University

Date submitted: 09 Jan 2008

Electronic form version 1.4