

Abstract Submitted
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The MINOS Electron Neutrino Appearance Analysis: Far Detector Background Prediction and Sensitivity to Theta13 LISA WHITEHEAD, Brookhaven National Laboratory, MINOS COLLABORATION — The MINOS experiment will attempt to constrain the value of θ_{13} by searching for electron neutrino appearance in our far detector with an exposure of 7×10^{20} protons-on-target, more than double the data used in our previous analysis. This talk will describe the prediction of the background in the far detector based on near detector data and the systematic uncertainties in that prediction. Our sensitivity to θ_{13} , which is enhanced due to both increased statistics and improved analysis techniques, will be discussed.

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