

Abstract Submitted  
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**Sterile Neutrino Analysis in MINOS** THOMAS OSIECKI, University of Texas At Austin, MINOS COLLABORATION — MINOS is a long baseline neutrino oscillation experiment based at Fermilab with an intense neutrino beam at its disposal. MINOS will produce the best measurement to date of  $\Delta m^2$  using  $\nu_\mu \rightarrow \nu_\tau$  oscillations and also has sensitivity to a sterile admixture from  $\nu_\mu \rightarrow \nu_{sterile}$  oscillations using Neutral Current interactions. The basic sterile neutrino analysis will be discussed and results from the Near Detector at Fermilab will also be presented.

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