

Abstract Submitted
for the APR15 Meeting of
The American Physical Society

Status and Future Sensitivities from the ν_μ Disappearance Analysis in the NOvA Experiment MICHAEL BAIRD, Indiana Univ - Bloomington, NOVA COLLABORATION — The NOvA experiment is a long-baseline neutrino oscillation experiment based out of Fermilab. It uses the newly upgraded NuMI beam line with two liquid scintillator detectors, one at Fermilab and a second 14 kton detector in northern Minnesota. The ν_μ disappearance analysis can significantly improve the world's best measurement of $\sin^2(2\theta_{23})$. Presented here is the status of this analysis as well as future sensitivities.

Michael Baird
Indiana Univ - Bloomington

Date submitted: 09 Jan 2015

Electronic form version 1.4