Contribution ID: **11** Type: **Oral Presentation**

# NOvA In 10 Minutes

*Tuesday, 19 June 2018 16:15 (15 minutes)*

NOvA is a long-baseline neutrino oscillation experiment which uses the NuMI neutrino beam at Fermilab. Our detectors are functionally-similar liquid scintillator calorimeters, situated 810km apart and 14 mrad off-axis with respect to the the NuMI beam. NOvA's primarily physics goal is a measurement of electron neutrino appearance and muon neutrino disappearance from a muon neutrino beam to constrain mass ordering, $\Delta m^2_{23}$, the $\theta_{23}$ octant, and $\delta_{CP}$. Sterile neutrino searches are also underway. In this talk, I will present an overview of the NOvA experiment and summarize recent results.

**Primary author:** VASEL, Justin (Indiana University)

**Presenter:** VASEL, Justin (Indiana University)

**Session Classification:** Long Baseline Neutrino Program