



ID de Contribution: 106

Type: **Ordinary**

## New results on theta23 from NOvA

*vendredi 24 mars 2017 08:30 (15 minutes)*

The NOvA experiment is a long-baseline accelerator-based neutrino oscillation experiment. It uses the upgraded NuMI beam from Fermilab and measures electron-neutrino appearance and muon-neutrino disappearance between its onsite near detector and the far detector in Ash River, Minnesota. The beam recently reached the 700kW power design benchmark. Goals of the experiment include measurements of theta13, mass hierarchy, theta23 cotant and the CP violating phase. This talk describes the experiment and the status of its measurements and the latest results on the theta23 angle are presented, based on the exposure equivalent to  $6.05 \times 10^{20}$  POT.

**Author:** JEDINY, Filip (Czech Technical University in Prague)

**Orateur:** JEDINY, Filip (Czech Technical University in Prague)

**Classification de Session:** Neutrinos & Astroparticles

**Classification de thématique:** Experiment