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Latest Oscillation Results Combining Neutrino and Antineutrino Data from the NOvA Experiment

Tuesday, July 28, 2020 7:30 PM (15 minutes)

The NOvA experiment is a long-baseline neutrino oscillation experiment that uses the NuMI beam from Fermilab to detect both electron and muon flavored neutrinos in a Near Detector, located at Fermilab, and a Far Detector, located at Ash River, Minnesota. NOvA's primary physics goals include precision measurements of neutrino oscillation parameters, such as θ_{23} and the atmospheric mass-squared splitting, along with probes of the mass hierarchy and the CP violating phase. This talk will present the latest NOvA results using a combined neutrino and anti-neutrino dataset based on a beam exposure of approximately 13×10^{20} protons-on-target in each dataset.

Secondary track (number)

Primary author: BAIRD, Michael (University of Virginia)

Presenter: BAIRD, Michael (University of Virginia)

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