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Results from NOvA

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The NOvA experiment is a long-baseline neutrino oscillation experiment
that uses the upgraded NuMI beam from Fermilab to detect both electron
appearance and muon disappearance. NOvA employs two functionally identical
detectors: a Near Detector, located at Fermilab, and a Far Detector,
located at Ash River, Minnesota over an 810 km baseline. NOvA's primary
physics goals include precision measurements of neutrino oscillation
parameters, such as theta2 and the atmospheric mass-squared splitting,
along
with probes of the mass hierarchy and the CP violating phase. This talk
will present NOvA measurements of the neutrino oscillation
parameters using neutrino and antineutrino disappearance and appearance.

Collaboration name

NOvA

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