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NOvA

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NOvA is a long-baseline neutrino oscillation experiment based at the Fermi National Accelerator Laboratory, USA. Utilizing two functionally-identical liquid scintillator tracking calorimeters placed 810 km apart, NOvA observes the appearance of electron (anti)neutrinos and the disappearance of muon (anti)neutrinos in the muon (anti)neutrino-dominated NuMI beam. By observing these (anti)neutrino oscillations, NOvA is probing several key questions in physics of neutrino oscillations including the neutrino mass ordering, leptonic CP violation phase δ_{CP} , the larger neutrino mass splitting Δm_{23}^2 , and the mixing angle θ_{23} . The most recent three-flavor neutrino oscillation results from NOvA will be presented.

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Classification de Session: Experiments