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Status of the NOvA Experiment

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The NuMI Off-Axis ν_e Appearance (\nova) experiment, currently under construction, is a long-baseline neutrino oscillation experiment optimized for the measurement of $\nu_\mu \rightarrow \nu_e$ appearance. The experiment consists of two nearly identical fully-active liquid-scintillator tracking calorimeter detectors separated by 810 km and exposed to an upgraded 700 kW NuMI beam from Fermi National Laboratory. Goals of the experiment include measurements of θ_{13}, resolution of the neutrino mass hierarchy, measurement of the CP-violating angle $\delta_{\rm CP}$, and the octant of the θ_{23} mixing angle. This talk will provide an overview of the detectors, physics goals and sensitivities of the experiment, and a first look at commissioning data from the far detector.

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