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The NOvA Test Beam Program

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NOvA is a long-baseline off-axis accelerator neutrino experiment. By measuring muon neutrino disappearance and electron neutrino appearance between the NOvA Near Detector and the 14 kiloton Far Detector, the experiment is addressing outstanding questions in neutrino physics, including the determination of the neutrino mass hierarchy and existence of leptonic CP violation. The NOvA Test Beam program will use a scaled-down NOvA detector to sample beams of tagged pions, protons, electrons, and kaons in the momentum range of 0.3 - 2 GeV/c. It will further the NOvA physics reach by providing a deeper understanding of the detector calibration, response, and energy scale which are among the largest systematic uncertainties in the oscillation analysis. Additionally it will provide single-particle data sets for detailed studies of event reconstruction and particle identification techniques. In this talk I will present the current status and future plans of the NOvA Test Beam effort.

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