

Abstract Submitted
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Status of the NOvA Near Detector Prototype TIMOTHY KUTNINK, Iowa State University, NOVA COLLABORATION — NOvA is a long-baseline neutrino experiment that is anticipating to observe oscillations of muon neutrinos into electron neutrinos. The muon neutrino source is the NuMI beam line at Fermilab. The Near and Far Detectors are built off-axis at Fermilab and northern Minnesota respectively. In order to carry out the long term goals of the experiment, the NOvA Near Detector Prototype, built on the surface at Fermilab, is currently studying aspects of the calibration and reconstruction that will impact the physics in the Near and Far Detectors. The NOVA prototype detector will run until the NuMI beam is shutdown for planned upgrades later this year. The beam muon neutrino data collected during this time will allow the study of quasi-elastic charged current interactions in the NOvA Detectors. The current status of the NOVA prototype detector and preliminary data will be shown.

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