

Status of Quasi-elastic Studies in the NOvA Near Detector Prototype

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NOvA is a long-baseline neutrino experiment using an off-axis neutrino beam produced by the NuMI neutrino beam at Fermilab. The NOvA experiment will measure quasi-elastic cross section at 2GeV. A short-term goal for the NOvA experiment is to develop a good understanding of the response of the detector. These studies are being carried out with the Near Detector prototype installed on the surface at Fermilab (NDOS). Using beam muon neutrino data, quasi-elastic charge-current interactions will be studied. Status of the quasi-elastic studies in NDOS will be shown.

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