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Status of the Measurement of Neutrino-Electron Elastic Scattering in the NOvA Near Detector

The elastic scattering of neutrinos on an electron is a well known process with precise cross section predictions according to the standard model calculations. In this poster, we present an approach of measuring the neutrino-on-electron process using the data collected in the NOvA near detector. This measurement can be used to constrain the neutrino flux. The progress of the measuring techniques from the NOvA Monte Carlo simulation studies are presented in the poster.

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