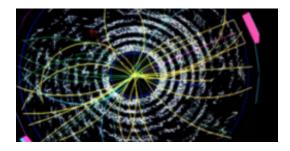
## **New Perspectives 2017**



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## Progress of the Measurement of the Electron Neutrino Charged-current Inclusive Cross Section in NOvA

Monday, 5 June 2017 17:45 (15 minutes)

We present an update to the progress of the measurement of the electron neutrino charged-current inclusive cross section per nucleon with data collected from November 2014 to February 2017 in the NOvA near detector. The NOvA near detector, located at Fermilab 800m from the primary target, provides an excellent platform to measure and study neutrino interactions and cross sections. We are measuring the cross section in four energy bins from 1-3 GeV. This energy range is of particular importance since it corresponds to the expected region of interest for electron neutrino appearance in future neutrino oscillation experiments.

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