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Electron neutrino appearance analysis in the NOvA experiment ERIKA CATANO MUR, Iowa State Univ, NOVA COLLABORATION — The NuMI Off-Axis electron-neutrino Appearance (NOvA) experiment is a second generation, long-baseline, neutrino oscillation experiment. It consists of two finely segmented, liquid scintillator detectors separated by 810 km and operating 14 mrad off-axis from the NuMI muon neutrino beam. The NOvA experiment is poised to make critical measurements of several neutrino oscillation parameters over the next decade. This talk will describe the electron neutrino appearance analysis and present results using the first year of data collected.

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