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Latest Long-baseline Oscillation Results from NOvA Combining Neutrino and Antineutrino Data ANDREW SUTTON, Univ of Virginia, NOVA COLLABORATION — NOvA is a long-baseline off-axis accelerator neutrino experiment utilizing the NuMI beam produced at Fermilab to address outstanding questions in neutrino physics. By measuring muon neutrino disappearance and electron neutrino appearance between the Near Detector at Fermilab and the 14 kiloton Far Detector in Ash River, Minnesota the experiment is able to make precision measurements of the oscillation paramters θ_{23} and Δm^2_{32}. Additionally, NOvA can probe the neutrino mass hierarchy and the existence of leptonic CP violation. This talk will present the latest 3-flavor oscillation results from NOvA which include updated simulation, reconstruction, and analysis tools and combines neutrino and antineutrino data with approximately 13×10^{20} protons-on-target of beam exposure in each mode.

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