



Monday 4 July, 11:30 – 11:55

Session 2: Three-flavour mixing: the Standard Neutrino Model

**New results from NOvA**

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The NOvA experiment at Fermilab uses a beam of neutrinos and two detectors separated by an 810 km baseline to observe muon neutrino disappearance and electron neutrino appearance. These measurements have the potential to reveal the remaining unknowns in neutrino oscillations, namely the mass hierarchy, the  $\theta_{23}$  octant, and perhaps even hint at the violation of CP in the neutrino sector. In this talk, I will describe the current status of the NOvA experiment and present results from two years of data taking, doubling the exposure of our initial results.