



Tuesday 5 July, 14:00 – 14:25

Session 7: Sterile neutrino searches

New results from the MINOS+ experiment

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The MINOS long-baseline experiment has been taking data since 2005. Over that time, it has made essential contributions to our knowledge of neutrino oscillations through observations of muon neutrino and muon antineutrino disappearance and electron neutrino appearance. Since 2013, data is being collected from a higher-energy neutrino beam, in a phase called MINOS+. This higher-energy data enables MINOS+ to perform high-precision tests of the three-flavour oscillation model. In this talk, I will show new MINOS and MINOS+ results from probes of physics beyond the three-flavour neutrino model. I will present results on the subjects of sterile neutrinos, large extra-dimensions, and non-standard neutrino interactions.