



Poster session 2 – Tuesday 5 July

P2.056 Search for Time-Varying $\bar{\nu}_e \rightarrow \bar{\nu}_e$ Oscillation Probability and Lorentz-CPT Violation at Daya Bay

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We discuss a search for time-varying $\tilde{\nu}_e \rightarrow \tilde{\nu}_e$ oscillation probability and Lorentz-CPT violation at the Daya Bay Reactor Neutrino Experiment in the framework of the Standard Model Extension (SME). The experiment's unique configuration of multiple baselines to three groups of nuclear reactors allows to constrain individual Lorentz-violating coefficients for the first time. In addition, we search for time-varying $\tilde{\nu}_e \rightarrow \tilde{\nu}_e$ oscillation probability in a model independent way using Fourier analysis. Both searches will be described in this poster.