



Monday 4 July, 11:55 – 12:20

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

**Recent results from OPERA and review of other present LBL oscillation measurements**

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The OPERA experiment, located in the Gran Sasso underground laboratory, has recently assessed the discovery of  $\nu$ -tau neutrinos in the CNGS 730km long baseline muon neutrino beam with a significance larger than 5 sigma, thus successfully achieving its main goal.

The data taking took place from 2008 to 2012, the detector is now undergoing decommissioning and the ongoing activity is aimed at the completion of the data analysis.

In the first part of this talk the updated OPERA results will be presented including the search for  $\nu$ -mu to  $\nu$ -e oscillations.

In this context, the second part of the talk will present a review of the actual disappearance and appearance oscillation measurements obtained up to now from the various long baseline neutrino-oscillation experiments.