



LNGS SEMINARS

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Final results of the OPERA experiment on ν_τ appearance in the CNGS neutrino beam

Abstract

The OPERA experiment was designed to conclusively prove the muon to tau neutrino oscillation in appearance mode. The Collaboration has performed the final oscillation analysis of the full data sample, collected between 2008 and 2012, with a multivariate approach for event identification. Tau neutrino candidate events are preselected with cuts looser than in the previous cut-based approach. We report results in terms of the oscillation parameters and of the tau neutrino properties. The Collaboration has also searched for sterile neutrinos. In this talk we will give an overview of the latest results.

May 22, 2018 - h 4:00 pm

LNGS - "E. Fermi" conference hall

http://agenda.infn.it/event/delellis_2018