

DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



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OPERA : on the way to nu-tau observation

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The hypothesis of neutrino flavour changing in weak interaction representation via oscillations is confirmed by several experiments, all based on the observation of the disappearance of a given neutrino flavour.

The direct appearance of a flavour different from the initial one, was never observed so far.

OPERA is the first long baseline neutrino oscillation experiment employing nuclear emulsions for the direct observation of

tau neutrinos in the CERN to Gran Sasso muon neutrino beam. At present the experiment is in the data taking phase.

The number of detected neutrino interactions is approaching one thousand. Current status and a summary of results

from 2007 and 2008 runs will be presented.

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