



ID de Contribution: 112

Type: **Ordinary**

## **Double Chooz: new results towards the near detector phase**

*lundi 17 mars 2014 10:00 (15 minutes)*

New oscillation results from the Double Chooz experiment will be presented, accounting for the data collected in 467.9 live days. The precision in the measurement of the mixing angle  $\theta_{13}$  has been improved by means of a higher signal-to-background ratio and reduced systematic uncertainties in detection, backgrounds and energy scale. This new powerful analysis will boost the results of the experiment during the near detector phase, to be started in summer 2014, when the reactor-related systematics will be canceled out almost completely.

**Auteur principal:** Dr NOVELLA GARIJO, Pau (CNRS/APC)

**Orateur:** Dr NOVELLA GARIJO, Pau (CNRS/APC)

**Classification de Session:** Neutrino experiments