



Contribution ID: 7

Type: **not specified**

Latest results from the Double Chooz experiment

Thursday, 5 November 2015 12:45 (35 minutes)

Double Chooz aims at a precise measurement of the neutrino mixing angle θ_{13} through the disappearance of reactor electron anti-neutrinos. The experiment relies on the measurement of neutrino flux and spectrum with two identical detectors at different distances from a nuclear power reactor: 1 km and 400 m from the reactor cores. Double Chooz has been running since 2011 with the far detector only, providing the first indication for non-zero

θ_{13} with reactor neutrinos. Data taking with the near detector has finally started beginning of 2015. The talk will review the most recent results obtained with the far detector only, and discuss first data from the near detector.

Presenter: GÖGER-NEFF, Marianne