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Status of the Double Chooz experiment

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The Double Chooz experiment is meant to search for the neutrino mixing angle theta13 taking advantage of the neutrinos generated at the nuclear power plant of Chooz. Double Chooz relies on neutrino flux measurements at two different locations, the so-called far an near detectors, although the first phase runs only with the far detector. The commissioning of the far detector started in January 2011 and first results improving the current limit on theta13 are expected by the summer 2011. The status of the Double Chooz experiment and results from the commissioning period are presented in this talk.

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Classification de thématique: Experiment