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Latest results/analysis in Double Chooz

Tuesday 4 August 2015 14:00 (18 minutes)

Precise measurement of the neutrino mixing angle theta13 is the primary goal of the Double Chooz Experiment. Inverse beta decay process provides a unique signature of anti-neutrino interaction from the reactors, giving prompt signals from positron annihilation and delayed signals from neutron capture by either Gadolinium (Gd) or Hydrogen (H). In this talk, the latest Gd- and H-based analysis results from Double Chooz will be presented, including the detection efficiency evaluation, background estimates, energy calibration and oscillation results.

Oral or Poster Presentation

Oral

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