

Abstract Submitted
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The latest results/analysis from Double Chooz Experiment¹

GUANG YANG, Argonne National Lab/ Illinois Institute of Technology, DOUBLE CHOOZ COLLABORATION — Precise measurement of the neutrino mixing angle θ_{13} 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.

¹The latest analysis/results from Double Chooz experiment

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