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Daya Bay oscillation results with neutron capture by hydrogen

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The Daya Bay Reactor Neutrino Experiment was designed with the primary goal of precisely measuring the neutrino mixing parameter, θ_{13}. Eight identically-designed liquid scintillator detectors installed in three underground experimental halls measure the reactor antineutrinos from six nuclear reactors with different distances. In addition to the precise measurement via neutron capture on gadolinium, another independent measurement with distinct systematics could be carried out based on neutron capture by hydrogen. In this poster, the latest neutrino oscillation analysis results based on the 1958-day data with neutron capture by hydrogen will be presented. Moreover, the improved statistics and systematic control will be emphasized.

Poster prize

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