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Measuring the neutrino mixing angle θ_{13} in reactor experiments

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Neutrino mixing matrix elements were discovered one by one beginning from the solar neutrinos anomaly was found and neutrino oscillation hypothesis was proposed. At the moment all elements are known excluding several complex phases. Measuring of the last mixing element θ_{13} was realized recently with three international experiments Double Chooz, RENO and Daya Bay. The highest accuracy was achieved in Daya Bay experiment. Now this result is used in accelerator experiments for looking for CP-violating phase δ_{CP}.

Presentation type

Plenary (25+5 min)

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