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Type: **Talk**

Latest Results from the Daya Bay Experiment

Tuesday 8 September 2020 11:50 (25 minutes)

The Daya Bay Reactor Neutrino Experiment is designed to measure short baseline oscillation of electron antineutrinos coming from six 2.9 GW_{th} nuclear reactors. In 2012, it announced the world's first measurement of a non-zero value for the neutrino mixing angle θ_{13} . Since then, an unprecedented sample of nearly 4 million reactor antineutrino candidates has been acquired resulting in the most precise measurement of θ_{13} up to date. The experiment also searched for light sterile neutrinos together with the MINOS+ experiment, setting world-leading limits on sterile neutrino mixing. In addition, Daya Bay provides precise measurements of total and isotopic reactor antineutrino flux and spectrum. The latest Daya Bay results and prospects will be presented in this talk.

Is this abstract from experiment?

Yes

Internet talk

Yes

Name of experiment and experimental site

Daya Bay

Is the speaker for that presentation defined?

Yes

Details

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