



Contribution ID: 15

Type: **oral**

New Results from the Daya Bay Reactor Neutrino Experiment

Thursday, November 14, 2013 4:45 PM (25 minutes)

The Daya Bay Reactor Neutrino Experiment aims at a precision measurement of the neutrino mixing angle θ_{13} by observing the disappearance of electron antineutrinos from the Daya Bay nuclear reactor complex. The first Daya Bay result on θ_{13} angle was announced in March 2012 and updated in June the same year. Recently, Daya Bay experiment announced a more precise result on θ_{13} . The improvement in precision results from higher statistics and the analysis of both event rates and energy spectra. The latter analysis also leads to the determination of the effective mass squared difference. This talk will present the new results in some detail.

Primary author: Ms HU, Bei-Zhen (On behalf of the Daya Bay collaboration (Institute of Physics, National Chiao Tung University))

Presenter: Ms HU, Bei-Zhen (On behalf of the Daya Bay collaboration (Institute of Physics, National Chiao Tung University))

Session Classification: Neutrinos II

Track Classification: Neutrinos