



Contribution ID: 17

Type: **not specified**

## Alignment Measurement for Daya Bay Reactor Neutrino Detector

*Tuesday 14 September 2010 09:00 (20 minutes)*

It's the prophase research for neutrino oscillation that daya bay reactor neutrino experiment, and the main emphasis is on measuring a physical significance of parameters –the mixing angle . The Alignment measurement for distance between the reactor of the Daya Bay Nuclear and Neutrino Detector, is divided into total-station Surveying inside tunnel and GPS Surveying outside. This paper have a several of researches and experiments about accelerator's alignment measurement in large-scale space to get the useful conclusions and methods, integral to the questions of large surveying area、 high precision、 connecting the internal and external coordinate systems、 as well as three-dimensional distance measurement.

**Primary author:** LUO, tao (Institute of High ENergy Physics,Chinese Academy of Sciences)

**Presenter:** LUO, tao (Institute of High ENergy Physics,Chinese Academy of Sciences)

**Session Classification:** D2, S1, Survey & alignment of machine components & experiments

**Track Classification:** Survey & alignment of machine components and experiments