

Calibration Strategy of JUNO

venerdì 21 giugno 2024 17:30 (2 ore)

JUNO is an experiment located in southern China that aims to determine neutrino mass ordering and perform precise measurements of neutrino oscillation parameters using reactor neutrinos. The calibration of the JUNO detector is a key step towards achieving these physics goals. In this poster, the calibration system will be introduced, followed by the calibration strategy of JUNO, including the calibrations of the PMTs, detector non-uniformity, and liquid scintillator non-linearity, among others. This poster will also cover how calibration data are used for the event reconstructions, going from the waveforms to the event energy.

Poster prize

No

Given name

Junting

Surname

Huang

First affiliation

Shanghai Jiao Tong University

Second affiliation

Institutional email

junting@sjtu.edu.cn

Gender

Male

Collaboration (if any)

JUNO

Autore principale: HUANG, Junting (Shanghai Jiao Tong University)

Relatore: HUANG, Junting (Shanghai Jiao Tong University)

Classifica Sessioni: Poster session and reception 2

Classificazione della track: Reactor neutrinos