Contribution ID: **421** Type: **Poster**

Energy and vertex reconstruction in JUNO

Thursday 30 July 2020 13:48 (3 minutes)

JUNO is a next generation multi-purpose neutrino oscillation experiment. Its main physics goal is to determine the neutrino mass ordering by studying the energy spectrum of medium-baseline reactor neutrinos. The energy resolution of JUNO needs to achieve 3%/sqrt(E), which is challenging for the energy and vertex reconstruction. This poster will introduce the maximum likelihood estimation reconstruction method utilizing charge, time and photoelectron number (nPE) information of the photomultiplier tubes of the central detector of JUNO and present the reconstruction performances in simulation.

Secondary track (number)

Primary author: HUANG, GuiHong

Presenter: HUANG, GuiHong

Session Classification: Neutrino Physics - Posters

Track Classification: 02. Neutrino Physics