Contribution ID: **28**   Type: **not specified**

Event reconstruction in JUNO

Monday 16 September 2019 12:35 (20 minutes)

The Jiangmen Underground Neutrino Observatory (JUNO) in China is a 20 kton liquid scintillator detector. designed primarily to determine the neutrino mass hierarchy, as well as to study various neutrino physics topics. The large size and the stringent requirement on the unprecedented energy resolution of 3%@1MeV make the event reconstruction in JUNO rather challenging. In this talk, we will focus on the JUNO Central Detector, starting from the PMT waveform reconstruction and then moving on to the current strategies on the vertex and energy reconstruction. Alternative methods will also be mentioned briefly.

Presenter: Dr LUO, Wuming (Institute of High Energy Physics, China)

Session Classification: Talks