

Future reactor neutrino experiments

Thursday, September 12, 2013 3:20 PM (20 minutes)

The status and prospects for two future reactor neutrino experiments, JUNO and RENO-50, will be presented. Both experiments propose to use liquid scintillator detectors with an order of magnitude more mass and a factor of five more photoelectrons than extant detectors in order to resolve the neutrino mass hierarchy. The capability to resolve the hierarchy and make precision measurements of other neutrino parameters will be discussed.

Primary author: JAFFE, David (BNL)

Presenter: JAFFE, David (BNL)

Session Classification: Low Energy Neutrinos IV

Track Classification: Low-Energy Neutrinos (solar, reactor, supernova, and geo neutrinos and also nuclear astrophysics associated with these sources)