



Contribution ID: 27

Type: **Poster**

Reactor neutrino anomalies and possible solutions

Recent reactor neutrino experiments have shown anomalous results in both the reactor flux and spectrum measurements.

Compared the measurements, Reactor neutrino flux shows a 6% deficit while reactor neutrino spectrum illustrates a

bump-like structure at around 5 MeV region. In this presentation we will employ the methods of both theoretical model prediction

and global neutrino data analysis to explore all the possible solutions to these reactor anomalies. We will discuss drawbacks

of the model predictions within the standard model, and the possible new physics solution beyond the standard model.

Mini-abstract

Theoretical model calculation and global neutrino flux data test of the reactor anomaly

Experiment/Collaboration

Primary author: Dr LI, Yu-Feng (Institute of High Energy Physics)

Presenter: Dr LI, Yu-Feng (Institute of High Energy Physics)

Session Classification: Poster Session 1