



Contribution ID: 42

Type: **Oral**

## Probing neutrino mass and mass ordering with supernova neutrinos

*Thursday, 19 October 2017 14:50 (20 minutes)*

In this talk we will present our study on the probe of absolute neutrino masses using the time of flight effects of supernova neutrinos, we will also discuss the sensitivity of neutrino mass ordering via the MSW effects of supernova neutrinos. Taking the future liquid scintillator as an illustration, we will present the quantitative results for the abovementioned topics.

**Primary author:** Dr YUFENG, Li (Institute of High Energy Physics)

**Presenter:** Dr YUFENG, Li (Institute of High Energy Physics)

**Session Classification:** Parallel