



Contribution ID: 22

Type: **Poster**

Non-Standard Neutrino Interactions in the mu tau sector

This research focuses on Non-Standard Interactions (NSI) and their effects on neutrino oscillations. In particular, we focus on the effects of the parameter $\epsilon_{\mu\tau}$ on muon neutrino survival probability and the number of muons measured in IceCube's DeepCore (ICDC) detector. Furthermore, the effects are found to be sign asymmetric and an analytic model is presented that predicts points of maximum sign asymmetry.

Primary author: Mr WRIGHT, Warren (Pennsylvania State University)

Presenter: Mr WRIGHT, Warren (Pennsylvania State University)

Track Classification: Cosmic Neutrinos