



Contribution ID: 88

Type: **Poster session**

Interesting events recorded by the INO-ICAL prototype

The India-based Neutrino Observatory (INO) is a proposed underground facility to look for atmospheric neutrinos. Iron calorimeter (ICAL) is an upcoming detector at INO that holds the key to understanding several fundamental issues regarding the nature and interactions of atmospheric neutrinos. As a part of detector design, development, and characterization studies for INO, a prototype detector stack is set up at TIFR. The detector has been collecting the data for about 10 years. So far, single muon tracks, which usually dominate the events collected, were used for various analyses. In this study we present some interesting events which look different from single muon tracks which resulted from another extensive work focussing on event classification. The work is in the initial stages but raises the curiosity to investigate further into the nature and the source of such events.

Primary authors: Ms MURGOD, Lakshmi (Central university of karnataka); Dr SAMUEL, Deepak (Central University of Karnataka)

Presenter: Ms MURGOD, Lakshmi (Central university of karnataka)

Session Classification: Neutrino Physics Session 2

Track Classification: Neutrino Physics