

## **Time of arrival analysis of constant count rate measurements data**

*Tuesday, 23 October 2018 09:00 (15)*

Some experiments in high energy physics require precision measurement of some process count rate. In those cases one usually just divides the number of events over measurement time. Time information for the events is seldom not used. In this report we discuss few techniques to use time of event arrival to search for anomalies in events and significantly reduce some systematic errors. All techniques are illustrated by real-life application in Troitsk nu-mass and Tristan in Troitsk experiments.

**Primary author(s)** : NOZIK, Alexander (INR RAS)

**Presenter(s)** : NOZIK, Alexander (INR RAS)

**Session Classification** : Facilities and Advanced Detector Technologies

**Track Classification** : Facilities and advanced detector technologies