



Contribution ID : 884

Type : Poster

## **Towards self-triggered radio detection of cosmic-ray air-showers by Tunka-Rex data.**

*Monday, 5 October 2020 19:45 (15)*

The common approach for implementation of self-triggered radio detection is applying amplitude threshold at station and cluster levels. The main difficulty of this approach at most facilities is a high level of background and radio frequency interference. For the efficient implementation of self-trigger it is needed to filter noise pulses from input data. In the present work we present the method of finding, classification and filtering of noise by data from Tunka-Rex Virtual Observatory, measured by the Tunka-Rex experiment in 2012-2018, and discuss the further application of this method for implementation of independent detection of air-showers with radio.

**Primary author(s) :** BEZYAZEEKOV, Pavel (API ISU)

**Presenter(s) :** BEZYAZEEKOV, Pavel (API ISU)

**Session Classification :** Poster session

**Track Classification :** Astroparticle physics