

## TIME DETECTORS WITH HIGH RESOLUTION FOR STUDY EXTENSIVE AIR SHOWERS FRONT

A system comprising five pyramid-shaped scintillation detectors (500 mm × 500 mm) has been developed to determine the direction of extensive air shower axes by time delays. The detectors' compact design and ease of assembly enable the construction of a chronotron setup. This system is situated at the Tien-Shan High Altitude Scientific Station (TSHASS) at an elevation of 3340 meters above sea level near Almaty, Kazakhstan. This paper discusses the current state and characteristics of the detectors.

### Section

Nuclear physics (Section 1)

**Primary author:** BAKTORAZ, Aliya (Institute of Nuclear Physics)

**Co-authors:** KALIKULOV, Orazaly (INP); SADUYEV, Nurzhan (Institute of Nuclear Physics); YEREZHEP, Nurzhan (Institute of Nuclear Physics); SHINBULATOV, Saken (INP RK&Al-Farabi KazNU); UTEY, Shynbolat (KazNu after al-Farabi); SOPKO, Ivan (Al-Farabi KazNU); Mr MUKHAMEJANOV, Yerzhan (Institute of Nuclear Physics)

**Presenter:** BAKTORAZ, Aliya (Institute of Nuclear Physics)

**Track Classification:** The V International Scientific Forum “Nuclear Science and Technologies”: Nuclear physics (Section 1)