



Contribution ID: 136

Type: **not specified**

## Overview of the recent results of the Telescope Array experiment

*Wednesday, September 13, 2023 3:30 PM (15 minutes)*

The Telescope Array (TA) experiment is the largest observatory for ultra-high energy cosmic rays (UHECRs) in the northern hemisphere. The TA experiment, along with its low-energy extension (TALE), employs plastic scintillator detectors and fluorescence detectors to observe cosmic-ray-induced air showers ranging from 2 PeV and 100 EeV. In this presentation, we provide an overview of the current status and recent results obtained from the TA experiment, focusing on cosmic-ray anisotropy, energy spectrum and mass composition analyses. We also discuss the future prospects of the TA experiment.

**Primary author:** FUJISUE, Kozo (ICRR, the University of Tokyo)

**Presenter:** FUJISUE, Kozo (ICRR, the University of Tokyo)

**Session Classification:** CCR: Charged Cosmic Ray

**Track Classification:** Charged Cosmic Rays