

Recent results and status of the Telescope Array experiment

Tuesday 3 December 2019 16:30 (20 minutes)

The Telescope Array (TA) is a cosmic-ray observatory of the largest exposure in the northern hemisphere, and is operational since 2008. In this talk I will present the data analysis results using the 11-year data of TA and discuss the energy spectrum, mass composition, and arrival direction distribution of ultra-high energy cosmic rays. I will also present the status of TA extensions of TA, i.e. TAx4 to enlarge the exposure for highest energy cosmic rays, and TALE as a low-energy extension aiming at finding a transition energy of cosmic rays of galactic or extra-galactic origins.

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Session Classification: Parallel

Track Classification: Cosmic rays