12th Cosmic Ray International Seminar



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Recent Results from the Telescope Array

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The Telescope Array is a hybrid cosmic ray detector utilizing both batteries of fluorescence telescopes and a large array of scintillator surface detectors to measure the properties of extensive air showers initiated by ultra high energy cosmic rays when they enter the Earth's atmosphere. Located in central Utah, USA, the Telescope Array is the largest cosmic ray detector in the northern hemisphere. Following evidence of a hot spot in the arrival direction of ultra high energy cosmic rays, the Telescope Array is presently expanding from 700 sq km to 2800 sq km. The status of spectral, composition, and source search measurements will be presented in addition to an update on the deployment of the TAx4 detectors.

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