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Results from the Telescope Array Experiment

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The Telescope Array (TA) experiment is the largest experiment in the northern hemisphere studying ultra high energy cosmic rays (UHECRs). The Telescope Array is a hybrid detector consists of a surface detector (SD) array and air fluorescence detectors (FDs). This hybrid detector is observing extensive air showers to measure the energy spectrum, anisotropy and composition of ultra high energy cosmic ray (above 10ˆ19eV).

In this talk, we will report on recent results from TA: the energy spectrum measured by SD array, cosmic ray composition measured with the FDs, and a search for correlations between the pointing directions of cosmic rays, measured by SD array, and possible source distributions.

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