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Results from the Telescope Array Experiment

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The Telescope Array (TA) is a hybrid experiment observing ultrahigh energy cosmic rays in the northern sky. Three fluorescence stations each view 108 degrees in azimuth and up to 30 degrees in elevation. They are located at the periphery of a ground array consisting of 507 plastic scintillator counters, of 1.2km spacing, and covering over 700 square kilometers. A low energy extension (TALE) is also in operation consisting of 10 high-elevation telescopes and an in-fill array of 103 surface detector counters. We will present the cosmic ray spectra from both TA and its low energy extension (TALE), covering a range of energies from below 10 PeV to over 100 EeV. We will also discuss current results from the measurements of mass composition by the TA group. Finally, we will present latest results from the search for arrival direction anisotropy.

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