

Abstract Submitted
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The Fluorescence Detectors of the Telescope Array Experiment

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— The Telescope Array (TA), the first dedicated Northern Hemisphere “hybrid” ultrahigh energy cosmic ray (UHECR) detector, is online in Millard County, Utah. The three Fluorescence Detector sites (FD) located at Black Rock Mesa, Long Ridge and Middle Drum have been taking data since November 2007. By measuring the characteristics of UHECR-induced extensive air showers using the FD, we can measure the energies, composition and arrival directions of the highest-energy cosmic rays. We will show preliminary data from the experiment and comparisons with simulated data from our full detector Monte Carlo simulation program.

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