

# Energy spectrum measured by the Telescope Array Surface Detectors

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Located in the west desert of Utah, USA, the Telescope Array experiment is the largest ultra-high energy cosmic ray observatory in the northern hemisphere. It consists of two types of detectors: scintillator surface detectors (SDs) and air fluorescence detectors (FDs). A total of 507 SDs consisting of two-layer plastic scintillation counters is deployed with 1.2 km spacing, making measurements over an area of approximately 700 km<sup>2</sup>. There are 3 FD stations, having 38 fluorescence telescopes viewing 3°–31° in elevation, overlooking the SD array. In this presentation, we update the Telescope Array energy spectrum as measured by the SDs. We will discuss the measurement and features in the spectrum.

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