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## Measurement of UHECRs by the Telescope Array (TA) experiment

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The Telescope Array (TA) experiment, located in the west desert of Utah, USA, observes ultra-high energy cosmic rays (UHECRs) with energies above  $10^{18.5}$  eV. TA employs a surface detector (SD) array and 3 batteries of fluorescence detectors (FDs) to measure extensive air showers. The direction and the energy of incoming cosmic rays are measured by both detectors, and the results can be cross checked. The primary composition can be determined by the longitudinal shower development measured by the FD and the muon content inferred at the SD. A full detector is running since May, 2008. The design and the performance of TA, its operational status and the first year results will be presented in the meeting.

**If this is a contributed presentation, please indicate preference for Oral (O) or Poster (P):**

O

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