

Abstract Submitted
for the APR11 Meeting of
The American Physical Society

Expansion Plans for the Telescope Array cosmic ray observatory

BENJAMIN STOKES, University of Utah, TELESCOPE ARRAY COLLABORATION — The Telescope Array (TA) cosmic ray observatory has now been operational for nearly three years and will be the largest cosmic ray observatory in the Northern Hemisphere for the foreseeable future. Two major expansions are currently being planned. The first expansion, TA Low Energy Extension, will increase the dynamic range of TA in order to enable seamless observation from $10^{16.5}$ to 10^{20} eV in primary cosmic ray energy. The second expansion, TA Next, will dramatically increase the aperture of TA above $10^{19.8}$ eV with the aim of searching for anisotropies in arrival directions for these highest energy events. Current efforts and future plans will be discussed.

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Date submitted: 18 Jan 2011

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