

Invited talk: Results from the Telescope Array experiment, Hot spots and anisotropy

Thursday, 29 October 2015 11:30 (30 minutes)

The Telescope Array (TA) experiment is located in the western desert of Utah, USA, and observes ultra high energy cosmic rays in the northern hemisphere. The experiment observes cosmic ray air shower at energies $> 1 \text{ EeV}$ using the fluorescence telescopes and the surface detectors. From first 5 year data, an anisotropy called “Hot spot” in arrival direction of cosmic ray was found at energy $> 57 \text{ EeV}$. In this talk, we present updated result of the “Hot spot” and discuss together with studies on cosmic ray spectrum, chemical composition and other anisotropy studies at highest energy region.

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