



Contribution ID: 198

Type: Oral

The Cherenkov Telescope Array: Current Status and Science Goals

Friday, 7 September 2018 09:30 (30 minutes)

The Cherenkov Telescope Array (CTA) is the major ground-based gamma-ray observatory planned for the next decade and beyond. Consisting of two large atmospheric Cherenkov telescope arrays (one in the southern hemisphere and one in the northern hemisphere), CTA will have superior energy and angular resolutions, a much wider energy range, and up to an order of magnitude improvement in sensitivity, as compared to existing instruments. The CTA science program will be rich and diverse, covering the major aspects of cosmic particle acceleration, understanding extreme environments, and probing physics frontiers beyond the Standard Model. This talk will outline the science goals for CTA and will cover the most recent status of the project.

Primary author: Prof. ONG, Rene (Univesrity of California)

Presenter: Prof. ONG, Rene (Univesrity of California)

Session Classification: CR and Gamma