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## Layout design studies for medium-size telescopes within the Cherenkov Telescope Array

*Saturday, 1 August 2015 15:30 (1 hour)*

The Cherenkov Telescope Array (CTA) is an international project for a next-generation ground-based gamma-ray observatory. CTA, conceived as an array of tens of imaging atmospheric Cherenkov telescopes, comprising small, medium and large-size telescopes, is aiming to improve on the sensitivity of current-generation experiments by an order of magnitude and provide energy coverage from 20 GeV to more than 300 TeV. In this study we explore how the medium-size telescopes layout design and composition impacts the overall CTA performance by analyzing Monte Carlo simulations including Davies-Cotton and Schwarzschild-Couder medium-size telescopes.

### Collaboration

CTA

### Registration number following "ICRC2015-I/"

416

**Primary author:** HASSAN, Tarek (GAE-UCM)**Co-authors:** HUMENSKY, Brian (Physics Department, Columbia Universit); NIETO, Daniel (Physics Department, Columbia Universit); WOOD, Matthew (Department of Physics and SLAC National Accelerator Laboratory, Stanford University)**Presenter:** HASSAN, Tarek (GAE-UCM)**Session Classification:** Poster 2 GA**Track Classification:** GA-IN