

DISCRETE 2014: Fourth Symposium on Prospects in the Physics of Discrete Symmetries



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The Cherenkov Telescope Array : status and science goals for fundamental physics

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The Cherenkov Telescope Array (CTA) is a worldwide project aiming at building the next ground-based gamma-ray observatory with a sensitivity ten times better than current experiments like H.E.S.S., MAGIC and VERITAS. CTA will be composed of several tens of telescopes with two-to-three different sizes distributed on two sites located in the Northern and Southern Hemispheres. CTA will also have a much wider energy lever arm and improved angular resolution. Important steps for the CTA project are currently underway: the decision about the site locations and the shaping of the key science projects. The science program will be presented with specific emphasis on the plans for indirect searches for dark matter.

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