

LST-1, the Large-Sized Telescope prototype of CTA: status and first observations.

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The contribution will present the status of the project and some highlights of the first observational data.

Summary

CTA (Cherenkov Telescope Array) is the next generation ground-based observatory for gamma-ray astronomy at very high energies. Once completed, CTA will outperform present-day facilities by an order of magnitude in sensitivity, and significantly enlarge the accessible energy range and survey capabilities. Deployed in the CTA north site, on the island of La Palma (Spain), LST-1 is the prototype for the CTA Large-Sized Telescopes, which will cover the lower end of the energy range of the array, down to 20 GeV. LST-1 started astronomical observations in late 2019, and is currently completing its commissioning phase. We will present the status of the instrument and an overview of the first physics results.

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