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## **First Science Results from the Large-Sized Telescope prototype for The Cherenkov Telescope Array**

*Tuesday 9 August 2022 15:50 (20 minutes)*

The Large-Sized Telescopes (LSTs) of the Cherenkov Telescope Array (CTA) are designed to maximize the performance of gamma-ray studies for low energies, rapid telescope re-pointing, large field of view, and unprecedented flux sensitivity. The LST will dominate the performance of the CTA Observatory between 20 GeV and 150 GeV. The prototype of the LST telescopes (LST-1) was inaugurated in 2018 at the CTA Northern site on the island of La Palma, Canary Islands, Spain and has taken over 200 hours of commissioning data on various astrophysical sources. We report on the first physics results obtained with the LST-1 including the detection of several active galactic nuclei, including 1ES 0647+250 with a redshift greater than 0.3, and Galactic sources such as the Galactic Center.

### **Collaboration name**

CTA LST Project

**Author:** GREEN, David

**Presenter:** GREEN, David

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