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Status and results of the prototype Large Size Telescope of CTA

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The Large Size Telescopes (LSTs) of Cherenkov Telescope Array (CTA)
are designed for gamma-ray studies focusing on low energy threshold,
high flux sensitivity, rapid telescope repositioning speed and a large field of view. Once the CTA array is complete the LSTs will be dominating the CTA performance between 20 GeV and 150 GeV. During the CTA North construction phase, however, the LSTs will be dominating the array performance until several TeVs.
In this presentation we will report on the status of the LST-1 telescope inaugurated in La Palma, Canary islands, Spain in 2018.
We will show the progress of the telescope commissioning, compare the expectations with the achieved performance and give a glance of the first physics results.

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Imaging Atmospheric Cherenkov Telescopes, Gamma rays, AGNs, pulsars, PWN

Collaboration

CTA

other Collaboration

Subcategory

Experimental Results

Primary author: MAZIN, Daniel (ICRR, U-Tokyo and MPP, Munich)

Presenter: MAZIN, Daniel (ICRR, U-Tokyo and MPP, Munich)

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