



Contribution ID: 47

Type: **not specified**

## LST-1 telescope performance and preliminary data analysis

*Tuesday 24 November 2020 13:29 (3 minutes)*

Large Size Telescope (LST) is the biggest from three main telescope types of CTA. Both CTA sites shall be equipped with four LSTs, located in the middle of each array. Having the largest reflector of 23 m diameter, the LSTs will lower the energy threshold of the whole observatory down to about 20 GeV and will be crucial for the CTA sensitivity from that energy up to about 200 GeV. As the first telescope for CTA, a fully equipped LST-1 was installed and inaugurated at the CTA-N site in October 2018.

We present a performance estimation of the LST-1 prototype located at La Palma together with a preliminary analysis of the data from the first and second Crab observation campaigns conducted during the author's stay at Institut de Física d'Altes Energies (IFAE) of Universitat Autònoma de Barcelona in the cooperation with members of the LST Consortium.

**Author:** JURYSEK, Jakub (Institute of Physics, ASCR)

**Presenter:** JURYSEK, Jakub (Institute of Physics, ASCR)

**Session Classification:** Poster Lunch