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Characterization and commissioning of the SST-1M camera for the Cherenkov Telescope Array

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The prototype camera of the single-mirror Small Size Telescopes (SST-1M) proposed for the Cherenkov Telescope Array (CTA) project was developed using large silicon photomultipliers (SiPM) coupled to hollow light concentrators.
The camera is composed of a silicon photo-sensor plane designed at the University of Geneva, and a readout and trigger system (DigiCam) developed in Krakow. The full camera will be installed on the telescope structure at IFJ PAN in summer 2015.
In this contribution, we review the steps that led to the development of the photo-detection plane and the readout electronics. We also describe the test and calibration techniques adopted and we outline the plans for the operation and commissioning of the camera after its installation on the SST-1M prototype.

Collaboration

CTA

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