



Contribution ID: 273

Type: Talk

【385】 SST-1M camera prototype commissioning for the Cherenkov Telescope Array

Friday 25 August 2017 12:15 (15 minutes)

The Cherenkov Telescope Array (CTA) is the next generation of ground-based gamma-ray astronomy from 20 GeV to 300 TeV. SST-1M is one of the proposed small sized telescope for the Southern array exploring energies from 3 TeV to 300 TeV.

SST-1M camera is composed of SiPM sensors. The sensors together with front-end electronic are designed to meet CTA requirements. The camera readout and trigger system (DigiCam) is made of latest field programmable gate array (FPGA) for high throughput, high flexibility and dead-time free operation.

Special emphasis on the commissioning results will be presented with the latest performance validation tests such as charge resolution, trigger efficiency together with Monte-Carlo comparison.

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Session Classification: Nuclear, Particle-and Astrophysics (TASK-FAKT)

Track Classification: Nuclear, Particle- and Astrophysics (TASK - FAKT)