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【450】 SST-1M project for the Cherenkov Telescope Array, a high energy gamma-ray telescope

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The Cherenkov telescope array (CTA) is the next generation of ground-based gamma-ray astronomy and will provide a deep insight into the non-thermal high-energy universe. CTA array will be composed of an array of up to 100 small sized telescopes in the Southern emisphere.

The SST-1M is one of the proposed prototypes for the sub-array. The SST-1M camera is under commissioning at the University of Geneva. The photo-detection plane is composed of SiPM sensors connected to light concentrators.

The SST-1M project will be presented with an emphasis on the latest performance validation tests such as charge resolution, trigger efficiency together with Monte-Carlo comparaison. The shutter test results will be presented as well.

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