

The Small-Sized Telescopes of CTAO: current status and future development

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The Small-Sized Telescopes (SSTs) are the smallest of the three different sizes of Cherenkov telescopes that will be part of the Cherenkov Telescope Array Observatory (CTAO). Based on a Schwarzschild-Couder-like dual-mirror optical configuration, they have a primary mirror of ~4-m diameter and are equipped with a focal plane camera based on SiPM detectors covering a field of view of ~9°. They will cover the highest energy range of CTAO (up to ~300 TeV) and 37 of them are foreseen to be installed in the alpha-configuration of the southern site of CTAO, in the Chilean Andes. Here we will give an overview on the status of the SST project that is developed by an international consortium of institutes that will provide them as an in-kind contribution to CTAO.

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