

Design Plan and Development Progress of the LACT SiPM Camera

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The LACT project will deploy 32 six-meter aperture Cherenkov telescopes on Haizi Mountain in Daocheng, Sichuan, to conduct fine-structure measurements of multiple ultra-high-energy gamma-ray sources discovered by LHAASO. The SiPM camera is located at the focal plane of the telescope, 8000 mm from the center of the mirror dish. The SiPM camera measures atmospheric Cherenkov light, which is focused onto its surface by the mirror using an imaging technique. The camera consists of 1616 SiPM units arranged in a regular octagonal structure. This report will present the design plan and development progress of the LACT SiPM camera.

Collaboration you are representing

LACT or LHAASO

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