

SciNeGHE 2016 High-energy gamma-ray experiments at the dawn of gravitational wave astronomy



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LATTES: a new window into very high energy gamma rays

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The Large Array Telescope for Tracking Energetic Sources (LATTES) is a novel hybrid detector concept for the measurement of Extensive Air Showers (EAS) generated by Very High Energy Gamma rays. The aim of the detector is to have a good sensitivity at low energies (~ 100 GeV) extending into the TeV region, operating day and night with a wide field of view.

The experiment is planned to be installed in South America at high altitude (~ 5.000 m), such that it will be complementary to the Cherenkov detectors which are planned to be installed at that part of the world. LATTES will be a powerful tool to trigger further observations of variable sources and to detect transients phenomena.

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