

The Southern Wide-field Gamma-ray Observatory

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Over the last couple of years, particle detectors at high elevation sites provided a fresh look at the gamma-ray sky. Observatories, like HAWC, and more recently LHAASO, have significantly increased the number of TeV observed gamma-ray sources and opened up a new energy regime in astronomy. Several astrophysical objects are now confirmed to emit significantly above 100 TeV photon energy, marking the beginning of ultra-high-energy gamma-ray astronomy. The recent successes of this technique have all been obtained in the Northern sky, while some of the most prominent astrophysical targets are only observable from the South. This motivated the development of the Southern Wide-field Gamma-ray Observatory. In this contribution, I will provide an overview of the goals and current status of this project.

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