

# AtmoHEAD: Atmospheric Monitoring for High-Energy Astroparticle Detectors



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## Atmospheric Monitoring for the MAGIC telescope

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The MAGIC telescopes are a system of two dishes operating stereoscopically for ground-based gamma-ray astronomy at the TeV since 2004. The energy and flux reconstruction in this kind of experiment, is substantially affected by the atmospheric conditions, specially by the presence of aerosols and clouds. For atmospheric monitoring, MAGIC hosts different subsystems: a single-channel non-commercial elastic lidar with an HPD reading the 355-nm line, a pyrometer measuring the sky temperature, an all-sky camera, and two commercial weather stations.

In this contribution, an overview of these subsystems, as well as the global strategy for atmospheric monitoring of MAGIC, will be given.

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