

Update on the Atmospheric Monitoring at the MAGIC Site

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The MAGIC telescopes in La Palma, Canary Islands, measure Cherenkov light emitted by gamma-ray induced air showers in the atmosphere. For the correct and safe operations of the telescopes, but most importantly for the subsequent data analysis, the knowledge of the atmospheric parameters is important. Corrections to the measured data can be applied after analyzing the atmospheric monitoring data.

The atmospheric monitoring program at the MAGIC site includes several devices, reliably characterizing the atmosphere above the telescopes for many years. Currently some smaller upgrades are made, especially regarding the determination of the atmospheric transmission at very high zenith angles using stellar spectroscopy.

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