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## Overview of MAGIC results

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MAGIC is a system of two 17 m diameter Cherenkov telescopes, located at the Observatorio del Roque de los Muchachos, in the Canary island of La Palma (Spain). MAGIC performs astronomical observations of gamma-ray sources in the energy range between 50 GeV and 10 TeV, and is currently the most sensitive instrument below 100 GeV. The first MAGIC telescope has been operating since 2004, and in 2009 the system was completed with the second one. During 2011 and 2012 the electronics for the readout system were fully upgraded, and the camera of the first telescope replaced. After that, no major hardware interventions are foreseen in the next years, and the experiment has undertaken a final period of steady astronomical observations.

MAGIC studies particle acceleration in the most violent cosmic environments, such as active galactic nuclei, gamma-ray bursts, pulsars, supernova remnants or binary systems. In addition, it addresses some fundamental questions of Physics, such as the origin of Galactic cosmic rays and the nature of dark matter. Moreover, by observing the gamma-ray emission from sources at cosmological distances, we measure the intensity and evolution of the extragalactic background radiation, and perform tests of Lorentz Invariance.

In this talk I present the status and latest results of the MAGIC gamma-ray telescopes, with a special emphasis on topics of fundamental physics, astroparticle physics and cosmology.

### Summary

**Primary author(s)** : Dr. RICO, Javier (IFAE)

**Presenter(s)** : Dr. RICO, Javier (IFAE)

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