

Selected Studies of Cosmic and Gamma Rays with the MAGIC telescopes (online talk)

Tuesday, 13 June 2023 10:00 (30 minutes)

MAGIC is a ground-based Imaging Atmospheric Cherenkov Telescope (IACT) for very high energy gamma-ray measurements that has pioneered high-sensitivity measurements down to a few tens of GeV. It includes a system of double telescopes with a diameter of 17 m, separated by a distance of 85 m, operating in coincidence mode (stereo). The telescopes are located at an altitude of 2200 m above sea level in the European Northern Observatory *El Roque de los Muchachos* on the Canary Island of La Palma. In recent years, the MAGIC collaboration has developed innovative techniques that have increased the dynamic range and sensitivity of the telescopes to around 20 GeV and up to 100 TeV. These have expanded and greatly improved the capabilities of the instrument. In this report we want to focus on some selected observations of cosmic and gamma rays of galactic and extragalactic origin.

Primary author: MIRZOYAN, Razmik (Max-Planck-Institute for Physics)

Presenter: MIRZOYAN, Razmik (Max-Planck-Institute for Physics)

Session Classification: Tuesday morning session