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Dark Matter searches with the MAGIC telescopes

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The MAGIC (Major Atmospheric Gamma ray Imaging Cherenkov) telescopes are a system of two Imaging Cherenkov telescopes located on the Canary island of La Palma. They detect very high energy (VHE, $E > 100 \text{ GeV}$) gamma rays by capturing the Cherenkov light released from charged particles in the gamma-ray-induced particle showers. For many years MAGIC devoted a consistent part of the observation to the collection of data which can be used for Dark Matter searches. Processes like Dark Matter annihilation and decay have been explored on several targets: clusters of galaxies such as the Perseus cluster, Dwarf Spheroidal galaxies, the Galactic center and even globular clusters. We are presenting the most important results published by MAGIC in Dark Matter searches, some of them being very important for the field of high energy astrophysics.

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