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Past present and future. Dark Matter searches with MAGIC.

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The MAGIC TeV gamma-ray telescopes have devoted almost a thousand hours of observation time in about a decade, to hunt for dark matter indirect signatures in gamma rays, from various candidate of interests in the sky: the galactic center, dwarf galaxies, galaxy clusters and unidentified objects in other bands. Despite the effort, no hints are present in MAGIC data. These observations are nevertheless not unusable. MAGIC indeed derived the most robust upper limits in the TeV range than any other instrument. These results for now only mildly constrain some classic dark matter models, but are of use in the construction of dark matter models for the next searches, that consider also the missing results from accelerator and direct-detection experiments.

In the contribution, we discuss and review MAGIC results, putting them into context, and in perspective with the next generation of ground-based Cherenkov telescopes. We will briefly inform about future MAGIC projects regarding dark matter searches.

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