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The MAGIC experiment : results and future prospects

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MAGIC is a system of two 17 meter Imaging Air Cherenkov Telescopes, located at the Observatorio Roque de los Muchachos at an altitude of 2200 meters on the Canary island of La Palma. MAGIC detects gamma rays in the very-high-energy regime between a few tens of GeV and tens of TeV. In this presentation, I will present the latest highlights achieved by the instrument from galactic and extragalactic observations, as well as the most recent results on dark matter and fundamental physics. I will also show results of the MAGIC transient follow-up program, with special emphasis on the very recent VHE gamma-ray measurement of the flaring blazar TXS 0506+056 coincident with the high-energy neutrino IceCube-170922A.

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