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MAGIC latest results

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MAGIC is a ground-based astrophysics instrument for measuring gamma rays in the energy range ˜ 35 GeV - 50 TeV. It is the first instrument paving the road into the sub-100 GeV gamma-ray sky. MAGIC consists of two 17m diameter, F/1.03 imaging atmospheric Cherenkov telescopes, which are separated by 85m distance and are located at 2200m a.s.l. in the Roque de los Muchachos European North Observatory on the Canary island of La Palma. This talk will provide a review of the most important results recently obtained by the MAGIC collaboration. They include a substantial list of flaring episodes detected from AGN, leading to the discovery of VHE emission from redshift close to 1 and constraints on the EBL. In our galaxy, MAGIC measured the spectrum of gamma-rays from the Crab pulsar extending from few tens of GeV to above 1 TeV. Deep observations to search for dark matter as well as other results on fundamental physics will also be reported.

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