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The AGILE gamma-ray sky and the AGILE data center at ASDC

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AGILE is a Scientific Mission of the Italian Space Agency (ASI) with INFN, INAF e CIFS participation devoted to gamma-ray astrophysics.

The satellite is in orbit since April 23rd, 2007. Thanks to its sky monitoring capability and fast ground segment alert system, AGILE is producing several important scientific results, among which the unexpected discovery of strong and rapid gamma-ray flares from the Crab Nebula over daily timescales. This discovery won to the AGILE PI and the AGILE Team the Bruno Rossi Prize for 2012.

The AGILE Data Center, part of the ASI Science Data Center (ASDC), is in charge of all the scientific oriented activities related to the analysis, archiving and distribution of AGILE data.

I will give an overview of the AGILE scientific highlights after 6 years of operations, and I will present the AGILE data center main activities, with particular focus on ASDC Community and User Support.

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