

New measurement of anisotropy angular power spectrum in the Fermi-LAT diffuse gamma-ray data

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The Diffuse Gamma-Ray Background (DGRB) collects the radiation produced by all those sources that are not bright enough to be resolved individually. Therefore, it represents an essential tool to study faint gamma-ray emitters, like star-forming or radio galaxies and the exotic Dark Matter. The anisotropy pattern of the DGRB is extremely informative: I will review the recent measurement of the anisotropy angular power spectrum performed by the Fermi LAT Collaboration with more than 80 months of data. This novel and high-significance result provides original and complementary information on the composition of the DGRB. In particular, I will show how it constrains the emission expected from Dark Matter.

Summary

Primary author: FORNASA, Mattia (GRAPPA Institute (University of Amsterdam))

Presenter: FORNASA, Mattia (GRAPPA Institute (University of Amsterdam))

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