

Particle dark matter signals in the anisotropic sky: a cross-correlations approach

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Anisotropies in the electromagnetic emission produced by dark matter (DM) annihilation or decay in the extragalactic sky are a recent tool in the quest for a particle DM evidence. In particular, the angular two-point cross-correlation signal between non-gravitational DM emissions and the gravitational manifestation of DM has been shown to be a promising novel technique to disentangle a WIMP DM contribution.

I will discuss recent results and future prospects involving gamma-rays from the Fermi-LAT telescope and gravitational tracers of DM distribution in the Universe, such as lensing and galaxy surveys.

Summary

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