

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

Thursday, 14 May 2009 18:55 (25 minutes)

Anisotropies in the electromagnetic emission induced by dark matter (DM) annihilation or decay in the extragalactic sky are a recent tool in the quest for a particle DM evidence.

In this talk, I will review on-going searches involving the two-point angular cross-correlation signal between the multi-wavelength emission from WIMP DM and gravitational tracers of the DM distribution in the Universe, including weak-lensing cosmic shear, galaxy catalogs and CMB-lensing.

Presenter: REGIS, Marco (TO)

Session Classification: DM