

Indirect dark matter searches with imaging atmospheric Cherenkov telescopes

Monday 7 September 2009 14:30 (15 minutes)

WIMPs annihilations produce very high energy gamma-rays in the final state. These gamma-rays may be detected by imaging atmospheric Cherenkov telescopes. Amongst the plausible targets are the Galactic Center, the center of galaxy clusters, dwarf Spheroidal galaxies and substructures in Galactic haloes. Recent results from observations of ongoing IACTs will be presented. Constraints on the velocity-weighted annihilation cross section of Dark Matter particles are derived in the framework of models beyond the Standard Model of Particle Physics.

Presenter: MOULIN, Emmanuel (CEA Saclay, Irfu)

Session Classification: Dark Matter