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Particle Physics at LPTHE

Vendredi 24 Fevrier 2017, 14 :00
LPTHE, library
Domaines : hep-ph

Titre : *Solar, galactic and extra-galactic gamma rays as complementary probes of DM dynamics*

Orateur : **Mihailo Backovic (CP3, Universite Catholique de Louvain, Belgium)**

Résumé : *Measurements of gamma ray fluxes from celestial bodies is one of the pillars of dark matter searches. But have we explored all interesting options ? I will argue that measurements of solar high energy gamma rays, an often overlooked channel, offers a complementary probe of dark matter dynamics. In addition, I will discuss the importance of correlated gamma ray signatures in observations of galactic and extra-galactic sources, and point out novel signals (exotic) DM scenarios can provide in this context.*