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Particle Physics at LPTHE

Mardi 20 Juin 2017, 14 :00
LPTHE, Library
Domaines : astro-ph—hep-ph

Titre : *Dark matter from dark gauge fields*

Orateur : **Christian Gross (University of Helsinki)**

Résumé : *Dark gauge groups, coupled to the Standard Model via the Higgs portal, can provide WIMP dark matter in a simple and appealing way. After reviewing the origin of dark matter stability in this framework, I discuss different mechanisms that lead to a natural suppression of direct detection rates below present-day limits, without a fine-tuning of parameters.*