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Particle Physics at LPTHE

Vendredi 14 Juin 2019, 14 :00
LPTHE, library
Domaines : hep-ph

Titre : *Addressing theoretical uncertainties in direct dark matter searches*

Orateur : **Alejandro Ibarra (TMU)**

Résumé : *The interpretation of any experiment probing the dark matter distribution inside the Solar System is subject to our ignorance of the local dark matter density and velocity distribution, as well as our ignorance of the nature and strength of the dark matter-nucleon interaction. In this talk we present new ideas to interpret the outcome of direct detection experiments without making assumptions of the velocity distribution, and to confront a positive signal to a null search experiment in a halo-independent and model-independent manner.*
