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Particle Physics at LPTHE

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LPTHE, Library
Domaines : hep-ph

Titre : *Hunting light dark sectors from astrophysics to colliders and fixed target experiments*

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Résumé : *Minimal self-consistent scenarios with light (sub-GeV) dark matter are usually accompanied by a correspondingly light "dark sector". The presence of the latter leads to bright detection prospects at fixed target experiments and colliders and potentially strong astrophysical bounds. We will illustrate this point by exploring explicitly a typical simple fermion dark matter setup, examining in particular the key role of the dark sector in the interplay between accelerator searches and astrophysical signatures.*
