

Scalars 2023

Contribution ID : 98

Multi-component Dark Matter candidates and how to probe them

Wednesday 13 Sep 2023 at 17:00 (00h30')

Content :

Abstract: In this talk, I will make the case for non-minimal Higgs frameworks and extended dark sectors, where the phenomenon of dark CP-violation was first introduced. I will briefly outline the exotic dark matter phenomenology realisable in such models and focus on multi-component dark matter scenarios. I will then discuss complementary astrophysical and collider tools which can independently probe the model revealing its dark matter sub-structure.

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Session classification : Plenary Session 4

Track classification : --not yet classified--

Type : --not specified--