CoDyCE - LIO international workshop on Fundamental Theories for BSM and cosmology

ID de Contribution: 9 Type: Non spécifié

Dark Bound States of Vector-like fermions

jeudi 30 août 2018 10:00 (30 minutes)

I will discuss the possibility that dark matter in the universe is composed of bound states of fermions with vector-like masses. Those particles are well motivated theoretically in allow in particular to realise asymptotically safe extensions of the Standard Model. I will show that those fermions can form bound states due to a new gauge group, which confines above the temperature of the QCD phase transition or in the most economical set-up the confinement can be due to Standard model strong interactions. Thus leading to weakly intreating massive particles made of strongly interacting components.

Summary

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