

Dark matter from the 10 of SO(10)

Wednesday 30 September 2015 16:35 (15 minutes)

I will present a new model of dark matter where the candidate arises from a fermionic 10 representation of SO(10) Grand unified theory. Stability follows from the gauge structure itself, and the low energy dark matter phenomenology is that of a TeV-scale left-right model augmented by a fermion bi-doublet.

Primary author: Mr BOUCENNA, Sofiane (LNF-INFN)

Co-authors: NARDI, Enrico (LNF-INFN); KRAUSS, Martin (LNF-INFN)

Presenter: Mr BOUCENNA, Sofiane (LNF-INFN)

Session Classification: Cosmology & Astroparticle Physics