

Vulcano Workshop 2014 - Frontier Objects in Astrophysics and Particle Physics



Contribution ID: 63

Type: **not specified**

Dark Z' : from direct detection to LHC

Wednesday, 21 May 2014 10:15 (25 minutes)

In this talk, I will review the main theoretical motivations to build an extension of the Standard Model by a new Gauge group. I will then study the phenomenological consequences of the presence of the new gauge boson Z' on dark matter phenomenology and the perspective of discovery at LHC, underground laboratory or indirect detection experiments.

Primary author: MAMBRINI, Yann (LPT Orsay)

Presenter: MAMBRINI, Yann (LPT Orsay)

Session Classification: Particle Physics/Interactions/Astroparticle Physics