



Contribution ID: 4

Type: **not specified**

Connecting Dark Matter with Long Lived Particles at the LHC

Wednesday 9 May 2018 13:45 (15 minutes)

Long-lived particles naturally appear in models where Dark Matter is produced through the freeze-in mechanism. We discuss how the LHC constraints on long-lived particles can be used to test these scenarios. In particular, using a simplified model, we illustrate how the CMS constraints on heavy stable charged particles can severely constrain the Dark Matter parameter space.

Author: Prof. LESSA, Andre (CCNH - Univ. Federal do ABC)

Presenter: Prof. LESSA, Andre (CCNH - Univ. Federal do ABC)

Session Classification: Short Communications