Contribution ID: **17**   Type: **Session: Dark Matter and Beyond Standard Model Searches**

Dark Matter Searches in Colliders

Thursday 26 November 2020 10:30 (1 hour)

The quest for dark matter (DM) is at the forefront of the scientific programme of the LHC experiments. In this talk, I will briefly review the gravitational evidences for dark matter and what are the gross features that make a good DM particle candidate. I will briefly touch upon the modelling of DM production at colliders, and review the experimental procedures for a search for dark matter with the LHC general-purpose detectors ATLAS and CMS. Finally I will highlight some of the latest experimental results from those collaborations, focusing on the results with the full Run-2 (2015–2018) dataset.

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Session Classification: Plenary talk