

School of Physics and Astronomy

HEP SEMINAR

Dark Matter searches with the ATLAS experiment



Dr Francesca Ungaro
University of Melbourne

A wide program of searches for Dark Matter is being carried on at the LHC under the hypothesis that Dark Matter consist of a weakly interacting massive particle produced thermally in the early universe.

Simplified and complete models for Dark Matter production are considered, as well as direct production of mediators between the Standard Model and the Dark Sector.

In this talk I will discuss the most recent results of searches for Dark Matter and mediators, based on the LHC data collected at a centre of mass energy of the proton-proton collisions of 13 TeV with the ATLAS detector.

Date Monday 21 October 2019

Time: 12pm

Venue: L1, Seminar Room 107, 10 College Walk, Clayton

Info: Helen.Brooks@monash.edu