



Contribution ID : 119

Type : not specified

Searches for Dark Matter particles at the Large Hadron Collider

Wednesday, 20 July 2016 09:00 (30)

Dark Matter can be produced in large amounts in pp collisions at the Large Hadron Collider (LHC) assuming it interacts non-gravitationally with Standard Model particles. While Dark Matter escapes direct detection at the LHC, it leaves a distinct signature of significant missing transverse momentum. In this talk, recent results from the ATLAS and CMS detectors will be presented, based on events with large missing transverse momentum accompanied by a variety of other objects such as jets, photons, heavy-flavor quarks, weak gauge bosons, or Higgs bosons. These measurements are complementary to those obtained in direct and indirect Dark Matter detection experiments.

Summary

Primary author(s) : Prof. SCIOLLA, Gabriella (Brandeis University)

Presenter(s) : Prof. SCIOLLA, Gabriella (Brandeis University)