

Overview of searches for dark matter at the LHC

Abstract content

Dark matter remains one of the most puzzling mysteries in Fundamental Physics of our times. Experiments at high-energy physics colliders are expected to shed light to its nature and determine its properties. This review talk focuses on recent searches for dark-matter signatures at the Large Hadron Collider, either within specific theoretical scenarios, such as supersymmetry or models with extra dimensions, or in a model-independent scheme looking for mono-X events arising in WIMP-pair production.

Summary

Primary author(s) : Dr. MITSOU, Vasiliki (IFIC Valencia)

Presenter(s) : Dr. MITSOU, Vasiliki (IFIC Valencia)