



Contribution ID: 305

Type: **Parallel Session Talk**

Dark Matter searches with ATLAS

Tuesday 9 April 2019 16:15 (25 minutes)

The presence of a non-baryonic dark matter component in the Universe is inferred from the observation of its gravitational interaction. If dark matter interacts weakly with the Standard Model it would be produced at the LHC, escaping the detector and leaving a large missing transverse momentum as their signature. The ATLAS detector has developed a broad and systematic search program for dark matter production in LHC collisions. The results of these searches on 13 TeV pp data and their interpretation will be presented, including the search for the Higgs boson decaying to invisible final states.

Author: ATLAS COLLABORATION

Presenter: RIECK, Patrick (Max-Planck-Institut für Physik (DE))

Session Classification: WG3: Higgs and BSM Physics in Hadron Collisions

Track Classification: WG3: Higgs and BSM Physics in Hadron Collisions