



Contribution ID: 59

Type: **not specified**

Search for dark matter produced in association with bottom or top quarks with the ATLAS detector

Tuesday 9 April 2019 11:30 (15 minutes)

If dark matter interacts weakly with standard model particles it could be produced at the LHC and therefore could be observed with the ATLAS detector. WIMP dark matter would not interact with the detector and therefore would leave a signature involving large amounts of missing transverse momentum. There are a number of models assume a mediator which couples to both dark matter and the standard model. We will present a summary of searches for fermionic dark matter, produced through the exchange of a spin-0 mediator, in association with heavy flavour (bottom and top) quarks.

Presenter: THORPE, Edward James (University of London (GB))

Session Classification: Parallel stream 2