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Dark Matter and Mediators investigated with jets at LHC

Tuesday 23 October 2018 17:30 (30 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 experiments at the LHC have developed a broad and systematic search program for dark matter production in proton-proton collisions. The results of the searches for dark matter along with jets done with 13 TeV data will be presented.

Presenter: ELLIOT, Alison (Queen Mary University of London (GB))

Session Classification: Afternoon session