



Contribution ID: 542

Type: talk

Searches for Dark Matter in ATLAS and CMS

Friday 24 July 2015 14:45 (12 minutes)

CMS and ATLAS search for the presence of dark matter particles in missing energy + X final states, where X signals the production in association with jets, photons and gauge bosons. The results of these searches place stringent limits on the cross sections of interactions of dark matter with light and heavy flavor quarks and gluons. They are interpreted in terms of simplified models with different structures and mediators, as well as generic effective theory terms from higher mass scales.

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Session Classification: Higgs and New Physics

Track Classification: Higgs and New Physics