

Search for Dark Matter at CMS

Monday, 1 December 2014 15:00 (30 minutes)

This talk reviews the latest Dark Matter (DM) results from the CMS experiment, consisting in searches for DM particles under the form of Weakly Interactive Massive Particles.

The search for directly produced DM particles exploits final states containing a high momentum object and missing transverse energy, such as monojet, monophoton, monolepton and monotop.

The production of DM particles in association with top quark pairs, as well as the decay of a Higgs boson to DM particles, are also considered.

The talk will also briefly mention prospects for LHC Run 2.

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Session Classification: Parallel Session