

Overview of dark matter searches at CMS

Monday 15 December 2014 18:20 (20 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 single object and missing transverse energy, such as monojet, monophoton, monolepton and monotop. The production of DM particles in association with top quarks is also considered. Finally, the search for invisible decays of the Higgs bosons and their DM results are mentioned as well.

Author: PAKTINAT MEHDIABADI, Saeid (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Presenter: PAKTINAT MEHDIABADI, Saeid (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Session Classification: Dark Matter and the LHC