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Dark Matter Search at LHC

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There are many astrophysical observations and cosmological evidence for the existence of dark matter (DM), but little is known of its particle nature. The Standard Model (SM) does not predict its existence, however numerous theories beyond the Standard Model (BSM) provide viable candidates for dark matter. Common candidates in many of these theoretical models are the weakly interacting massive particle (WIMP). One way to search for WIMP dark matter is through its production in collider experiments at the Large Hadron Collider (LHC). This talk covers a selection of the latest results of DM searches at the ATLAS, CMS and LHCb experiments.

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