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SUSY Dark matter Search at LHC and future colliders

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The existence of dark matter (DM) is a cornerstone of extensive search programs at colliders. The ATLAS and CMS experiments at the LHC have performed a wide range of searches for DM particles predicted in SUSY, in particular for the lightest neutralino in R-parity conserving scenarios. The event topology and final states containing the neutralino DMs depend on the mass eigenstates of the gauginos and their compositions. In this talk, I will present the current status of neutralino DM searches at the LHC, putting some emphasis on DMs with Wino and Higgsino components. Prospects for the Wino/Higgsino DM searches at future colliders are also discussed.

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