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## Interplay of LHC SUSY searches and Dark Matter detection.

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The requirement that the Lightest SUSY particle (LSP) satisfies the cosmological condition to be a Dark Matter(DM) candidate imposes some relation among SUSY particles. We explore the consequences of these relations on the framework of SUSY models with Grand Unification, finding that LHC searches and DM searches can be complementary.

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