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Search for stable massive SUSY particles with the ATLAS detector

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Several supersymmetric models predict the production of massive long-lived supersymmetric particles. Such particles, if charged, may be detected through abnormal specific energy loss or long time-of-flight to the calorimeters. The talk presents recent results from searches of long-lived supersymmetric charged particles using proton-proton collisions at a centre of mass energy of 13 TeV with the ATLAS detector.

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