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Searches for squarks and gluinos in signatures with long-lived particles with ATLAS

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From strongly produced initial states, SUSY phenomenology offers a rich array of observable signatures. Several supersymmetric models predict massive long-lived supersymmetric particles that may be detected through abnormal specific energy loss, appearing or disappearing tracks, displaced vertices, long time-of-flight or late calorimetric energy deposits. This talk summarises recent ATLAS results on the production of squarks and gluinos in scenarios with non-prompt particle decays.

Parallel Session

Supersymmetry: Models, Phenomenology and Experimental Results

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