

Probing flavour-violating decays of squarks at the LHC

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We study squark decays beyond the Minimal Flavor Violation framework at the LHC. Considering mixing between the second and third generation squarks, we first provide the coverage of the current searches at the Run-1 and Run-2 of LHC in the context of a simplified model containing two active squark flavours. We then study the sensitivity of a dedicated search strategy involving leptons, jets, and missing transverse energy at the high luminosity run of LHC.

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