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Search for gluinos decaying via top or bottom squarks with the ATLAS detector

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Naturalness arguments favour supersymmetric particle spectra with the partners of the Higgs boson, top and bottom quarks, and gluons within the reach of the LHC. Searches for gluinos decaying to the lightest supersymmetric particle via real or virtual third generation squarks are thus well motivated. This talk presents searches performed by the ATLAS collaboration with such final states, using data recorded at 13 TeV centre of mass energy.

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