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Search for gluino-mediated stop and sbottom pair production in events with b-jets and large missing transverse momentum

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A search for the pair production of gluinos decaying to sbottom and stop at the LHC is reported. It utilises the pp collisions of the LHC Run2 dataset collected with the ATLAS detector. The search targets final states containing several energetic jets, of which at least three must be b-tagged, large missing transverse energy and either zero or at least one charged lepton.

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