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A search for direct production of supersymmetric sbottom and stop squarks in events with 2 b-jets, 1 lepton and missing energy

This poster presents the current status of a search for direct production of sbottom and stop scalar quarks with a 50% branching ratio for sbottom or stop decays into neutralinos or charginos. In this search the mass difference between the lightest chargino and lightest neutralino is assumed to be small. Presented here is the current state of the analysis of final states consisting of 2 b-tagged jets, one lepton and large missing energy, from data collected in 2012 at a centre of mass energy of 8 TeV with an integrated luminosity of 20.3 inverse femtobarns

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