

Searches for direct pair production of stops and sbottom with the ATLAS detector

Friday 31 July 2020 10:45 (15 minutes)

Naturalness arguments for weak-scale supersymmetry favour supersymmetric partners of the third generation quarks with masses light enough to be produced at the LHC. The ATLAS experiment has a variety of analyses devoted to stop and sbottom direct production exploiting novel reconstruction and analysis techniques. This talk presents recent results using the full Run 2 dataset from these searches and their interpretation in both supersymmetric models and simplified associated-production dark matter models.

I read the instructions

Secondary track (number)

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