



Contribution ID: 55

Type: **not specified**

## Search for third generation squarks with the ATLAS detector

*Wednesday, 5 April 2017 09:00 (15 minutes)*

Naturalness arguments for weak-scale supersymmetry favour supersymmetric partners of the third generation quarks with masses not too far from those of their Standard Model counterparts. Top or bottom squarks with masses less than about one TeV can also give rise to direct pair production rates at the LHC that can be observed in the data sample recorded by the ATLAS detector. The talk presents recent ATLAS results from searches for direct stop and sbottom pair production, using data collected during the LHC Run 2.

**Primary authors:** ESCALIER, Marc (LAL-Orsay (FR)); ANDERS, John Kenneth (University of Liverpool (GB))

**Presenter:** ANDERS, John Kenneth (University of Liverpool (GB))

**Session Classification:** WG3 Higgs and BSM Physics in Hadron Collisions

**Track Classification:** WG3) Higgs and BSM Physics in Hadron Collisions