



Contribution ID: 23

Type: Poster

Search for gluinos and squarks in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector

Supersymmetry is one of the most promising theories which extend the Standard Model in order to solve the dark matter and the hierarchy problem. The squark and gluinos are one of primary targets in supersymmetry searches, as the pair production has large cross section at the LHC via the strong interaction. This poster presents recent ATLAS results from searches for gluinos and squarks in final states with jets and missing transverse momentum using the full Run2 dataset, corresponding to 139 fb⁻¹.

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Session Classification: Poster session

Track Classification: SUSY