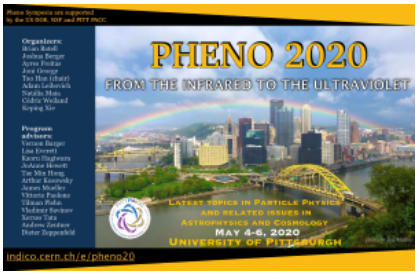

Contribution ID: **956** Type: **Parallel Talk**

Searches for resonances in hadronic final states with the ATLAS detector

Tuesday 5 May 2020 16:30 (15 minutes)

Many theories beyond the Standard Model predict new phenomena which decay to quarks. Light-quarks are of particular interest at the LHC since new phenomena produced in parton collisions are likely to produce final states with (at least) two partons. On the other hand, b- and top-quarks offer great potential to reduce the Standard Model background and improve sensitivity to new physics models which favour the 3rd generation, although with significant challenges in reconstructing and identifying the decay products and modelling the remaining background. The most recent searches in various hadronic final states performed with the ATLAS experiment at the LHC on the 13 TeV data will be presented

Summary

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