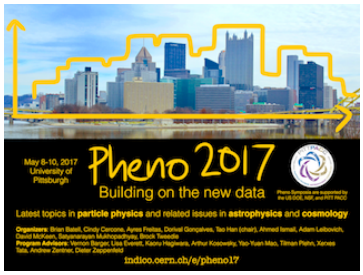

Contribution ID: **317** Type: **parallel talk**

Search for vector-like quarks at ATLAS

Tuesday 9 May 2017 14:15 (15 minutes)

Vector like quarks appear in many theories beyond the Standard Model as a way to cancel the mass divergence for the Higgs boson. The current status of the ATLAS searches for the production of vector like quarks will be reviewed for proton-proton collisions at 13 TeV. This presentation will address the analysis techniques, in particular the selection criteria, the background modeling and the related experimental uncertainties. The phenomenological implications of the obtained results will also be discussed.

Summary

Primary author: VARNES, Erich Ward (University of Arizona (US))

Presenter: VARNES, Erich Ward (University of Arizona (US))

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