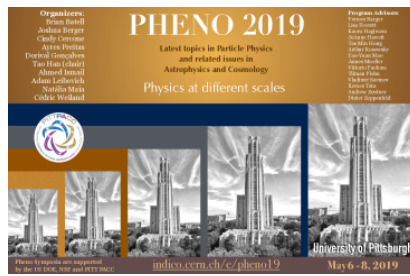


Phenomenology 2019 Symposium



Contribution ID: 670

Type: parallel talk

Top quark pair property measurements using the ATLAS detector at the LHC

Monday 6 May 2019 16:45 (15 minutes)

Precise measurements of the properties of the top quark test the Standard Model (SM) and can be used to constrain new physics models. The top-quark is predicted in the SM to decay almost exclusively into a W boson and a b -quark. We present a wide range of searches for non-SM top quark decays using the 13 TeV ATLAS datasets, including flavour-changing current processes $t \rightarrow qH$ and $t \rightarrow qZ$. In addition, measurements of the spin correlation, colour flow and top quark mass in $t\bar{t}$ production are also presented.

Summary

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Session Classification: Top