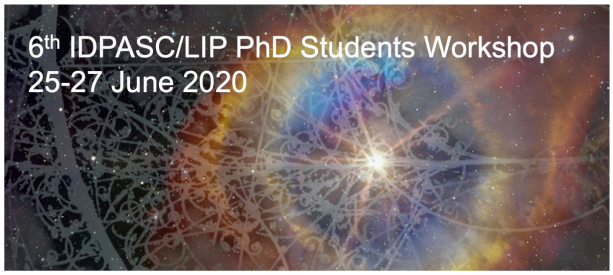

Contribution ID: **51** Type: **PhD student talk**

Search for CP-odd ttH production in the H->bb decay channel with ATLAS

Thursday, 25 June 2020 16:30 (12 minutes)

Following the observation of associated production of a Higgs boson with a pair of top-anti-top quarks (ttH), it is now essential to explore the detailed properties of the Higgs-Top coupling to test the predictions of the Standard Model of Particle Physics and search for clues of new physics that can modify this interaction. This talk describes the search to constrain odd charge-parity (CP) components in the ttH coupling through ttH production in the H->bb decay channel, using 139 \fb of pp collision data collected with the ATLAS detector at a center of mass energy of 13 TeV.

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