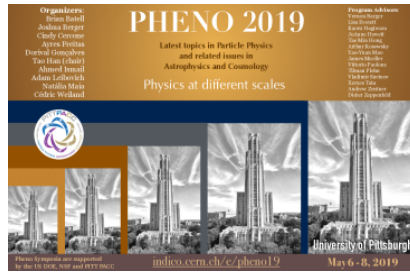


Phenomenology 2019 Symposium



Contribution ID: 794

Type: parallel talk

Up-Sector Flavor Violating Models at the LHC

Tuesday 7 May 2019 15:30 (15 minutes)

We explored flavor universality violating models by studying dimension-six effective operators which modify the coupling between the first generation up-quarks, Higgs boson and Z boson. Through the use of simulated boosted Higgs strahlung events at both the HL-LHC and HE-LHC, as well as existing ATLAS data for background estimates, projected constraints on the scale of new physics as function of the Wilson coefficient was obtained. The constraints from FCNCs to these flavor violating models and the complementarity of this study to exotic Higgs decay will also be discussed.

Summary

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Presenter: CHIU, Wen Han (University of Chicago)

Session Classification: Flavor I