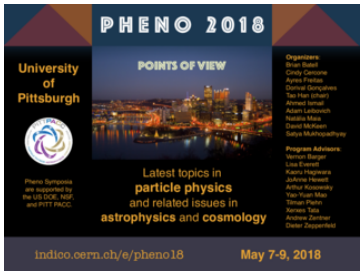

Contribution ID: **512** Type: **parallel talk**

Testing the Twin Higgs mechanism at colliders

Tuesday 8 May 2018 15:15 (15 minutes)

The Twin Higgs mechanism can address the naturalness problem without introducing top partners that are produced at hadron colliders with a large cross section. Only the scalar modes and optionally the twin hypercharge gauge boson, but not the remaining partner particles, have direct couplings to the Standard Model states and are therefore the first modes that can be accessed at colliders. We comment on measurements that can be performed at the LHC and at future colliders in order to test generic predictions arising from the Twin Higgs mechanism.

Summary

Author: Prof. KILIC, Can (University of Texas, Austin)

Presenter: Prof. KILIC, Can (University of Texas, Austin)

Session Classification: Higgs II