

# Phenomenology for the Simplest Little Higgs Model

*Friday, 21 December 2018 17:15 (15 minutes)*

Based on the canonically-normalization procedure, we completely derived the interactions in the simplest little Higgs model, and corrected a lot of mistakes in previous papers by others, hence the phenomenology must be fully re-considered. We updated the experimental constraints and collider phenomenology of this model, especially about the pseudoscalar  $\eta$ , in the natural region. We concluded that it is very difficult (if not impossible) to test this model at LHC with  $\sqrt{s} = 13$  TeV, but possible at larger hadron colliders.

## Type

Parallel talk

## Sessions (parallel only)

Beyond Standard Model

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**Session Classification:** Future

**Track Classification:** Beyond Standard Model