

Spontaneous CP-violation in the Simplest Little Higgs Model

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We proposed the possibility of spontaneous CP-violation in the simplest little Higgs (SLH) model. Based on the continuum effective field theory (CEFT) framework, we derived the properties of the scalar potential of this model. We carefully discussed the theoretical and experimental constraints on this model, and showed it is still alive. We also discussed the collider tests of CP-violation in the scalar sector in this model.

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