KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH2018 winter) and 3rd KIAS-NCTS-KEK workshop on Particle Physics Phenomenology

Contribution ID: 60 Type: not specified

Composite 2 Higgs doublet model

Wednesday, 5 December 2018 17:00 (15 minutes)

We discuss composite 2 Higgs doublet models based on the global symmetry breaking SO(6) to SO(4)*SO(2), where 2 Higgs doublets emerge as a pseudo Nambu-Goldstone bosons. The Higgs potential is generated at one-loop level via the Coleman-Weinberg mechanism. We show that the prediction of the Higgs boson mass spectrum and couplings can be different from those in the minimal supersymmetric standard model.

Presenter: YAGYU, Kei (Seikei University)Session Classification: Parallel Session 2