

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 $SO(4) \times SO(2)$, 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.

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