

Electroweak Precision Tests of Composite Higgs Models

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We examine the compatibility of the composite Higgs models with the constraints coming from Electroweak Precision Tests from the low-energy effective theory (EFT) prospective. The EFT approach allows us to capture the common features of the composite Higgs models and incorporate a broad class of explicit models. In our analysis we concentrate on the effects related to a presence of relatively light composite fermionic resonances. We show that some of the typically used observables are non-predictable within the low energy theory and derive the bounds on the parameters of the known explicit models. (Based on a work in collaboration with Christophe Grojean and Giuliano Panico, to appear soon)

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Session Classification: Parallel Session on Flavor Physics + Composite Models