

Model-Building and Un-Naturalness

Thursday, 20 December 2018 11:30 (1 hour)

Conventional solutions of the hierarchy problem are severely constrained by direct and indirect searches. All attempts to explain the EW scale naturally require very complicated and seemingly ad-hoc constructions. By accepting some amount of tuning as a fact of Nature, however, these scenarios become very simple and attractive extensions of the SM. I will discuss how un-natural composite Higgs models represent compelling theories for flavor, dark matter, and (most of) the hierarchy problem. I will also comment on novel realizations of baryogenesis within un-natural scenarios.

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