ID de Contribution: **8**   Type: **Non spécifié**

Constraining composite Higgs models with direct and indirect searches

mercredi 25 novembre 2015 15:30 (30 minutes)

Direct searches for fermion and vector boson resonances, as well as indirect constraints from precision measurements are both important tools to test the predictions of composite Higgs models. A novel numerical technique allows us to take into account many direct and
indirect constraints in a single framework. I will present results from applying our method to a class of four-dimensional pseudo-Nambu-Goldstone boson Higgs models that contain a calculable Higgs potential and protective custodial and flavour symmetries. We find that the models are able to serve as an explanation for the recently observed 2 TeV resonances as well as several B physics anomalies.

Orateur: NIEHOFF, Christoph (Excellence Cluster Universe, TUM)

Classification de Session: Flavour/Composite plenary