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Constraining composite Higgs models with direct and indirect searches

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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.

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