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Unitarity Violation of Nonstandard Higgs Couplings

Thursday, 6 June 2019 14:15 (45 minutes)

In this talk, I will discuss the link between nonstandard Higgs coupling and unitarity violation. This motivates a correlated effort at the LHC and future colliders between Higgs coupling measurements, searches for processes that grow at high energy, and new resonances. Calculations of the unitarity violating bounds help to identify the interesting collider channels and give upper bounds on the masses of the new resonances.

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