

## **Higgs coupling measurements and their implications on new physics**

*Tuesday 22 May 2018 10:00 (30 minutes)*

With increasingly precise measurements of Higgs boson interactions, we start to set tighter limits on Standard Model extensions. First, I will review the impact of existing and ongoing Higgs coupling measurements on how they constrain such extensions. In the second part of the presentation, I will focus on one of the most important couplings of the scalar sector, the Higgs self-coupling. Given theoretical constraints on the Higgs self-coupling, the capacity of future colliders will be assessed in measuring deviations from Standard Model predictions.

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