



Contribution ID: 319

Type: **Parallel Session Talk**

HH non-resonant production searches at the LHC

Tuesday, 9 April 2019 12:00 (25 minutes)

This talk will discuss the most recent results for the search of double Higgs non-resonant production at the LHC.

The sensitivity reached, which is still one order of magnitude above than the SM prediction, allows excluding already significant regions of the BSM phase space. Interpretation of searches results with a dedicated EFT approach will be showed. A particular focus will be also given to the recent improvements of the analysis techniques and their prospects for the full Run2 analyses.

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Session Classification: WG3: Higgs and BSM Physics in Hadron Collisions

Track Classification: WG3: Higgs and BSM Physics in Hadron Collisions