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## **Search for VBF production mode of standard model Higgs in diphoton final state with ATLAS detector**

The aim of this analysis is to measure the signal strength of VBF production mode in diphoton final state. Benefit from the unique topology of VBF events, the VBF-sensitive categories are defined by cut-based or MVA method. To measure the signal strength of VBF precisely, the theoretical uncertainty of  $ggF$  and migration uncertainty must be considered. This talk will show you the result of *ICHEP* data set with ATLAS detector.

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