



LHC Seminar

SPEAKER: Nicolas Morange, Luca Perrozzi

TITLE: **Observation of the $H \rightarrow b \bar{b}$ decay at ATLAS and CMS**

DATE: 28 Aug 2018, 11:00

PLACE: 222-R-001

ABSTRACT

This seminar presents the observation of the Higgs boson decay to a bottom quark-antiquark pair by the ATLAS and CMS experiments. The results presented use all available datasets from the LHC Run 1 and Run 2 including the most recent 13 TeV dataset that corresponds to an integrated luminosity of $\sim 80 \text{ fb}^{-1}$. The analysis strategy and the background estimation techniques are discussed and a comprehensive set of measurements are presented.