

Séminaire

Evidence for the H → bb decay in VH production at ATLAS

The Higgs decays to b-quarks are by far the most abundant at the LHC, with a branching ratio of 58%. It is therefore an important part of the Higgs sector to study, however the overwhelmina Standard Model backgrounds make observation quite challenging at the LHC. ATLAS has recently obtained its first evidence of this decay with 36 fb⁻¹ of data at \sqrt{s} = 13 TeV, in the channel where Higgs is produced the association with W or Z bosons. This seminar will highlight the key elements that made this evidence possible, and draw perspectives in this field for the years to come.

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Salle conférence du LLR

Lundi 6 Novembre 14h00



Responsables séminaires

Sami Caroff Jean-Baptiste Sauvan