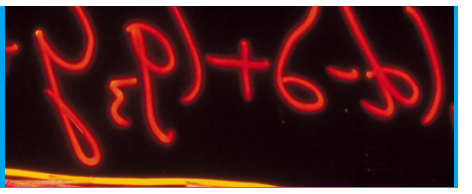
DESY
Particle and Astroparticle Physics Colloquium

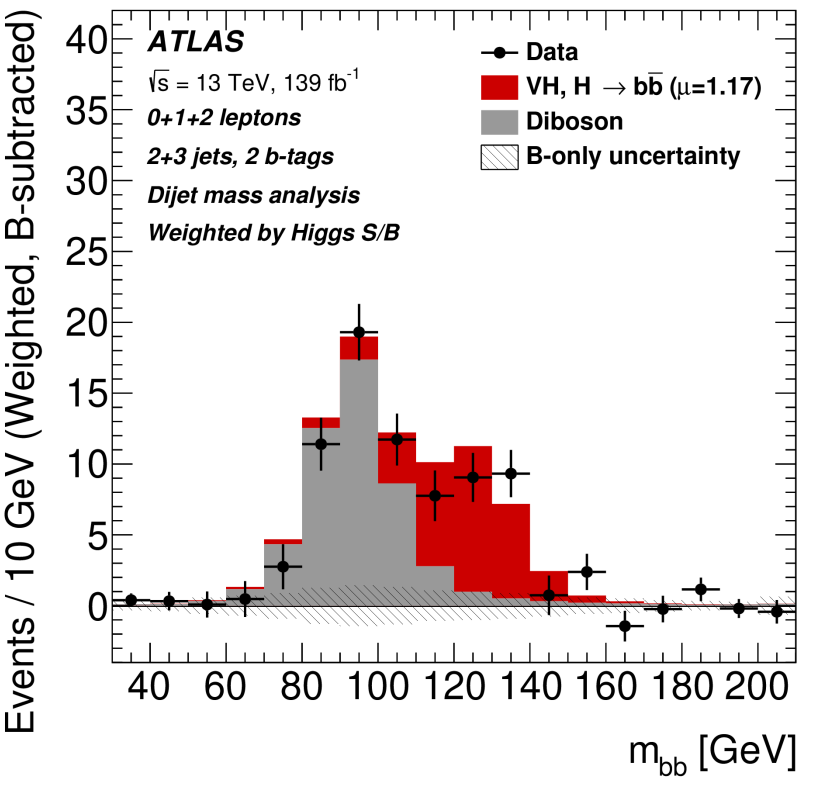


Beauty (quarks) and the Higgs as Window into New Physics at the LHC.

Tuesday, 10 October, 2023
Auditorium & Webcast 16:00 h

Giacinto Piacquadio (Stony Brook University, MPP Munich)

A decade after the Higgs boson discovery, the proton-proton collisions produced to date at the Large Hadron Collider, with their record-breaking intensity and the highest energy ever produced by mankind, are enabling ATLAS and CMS to perform measurements of the Higgs boson with unprecedented precision, providing stringent tests for an increasing class of new physics models. After a general overview, I will explain why beauty quarks, the particles to which the Higgs boson decays most frequently, represent such a challenging yet essential tool to study the Higgs boson. Finally, I will discuss the prospects for Higgs boson measurements during the High-Luminosity phase of the LHC.



Please note:

This is a HYBRID colloquium!

Meeting ID: 996 1652 8733
Meeting Password: 733220

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