



Contribution ID: 292

Type: **Poster**

Search for a Standard Model Higgs boson produced in association with a W or Z boson decaying to bottom quarks

Saturday, August 6, 2016 6:00 PM (2 hours)

Latest results are presented on the search for a Standard Model Higgs boson in the WH- and ZH-associated production channel decaying to bottom quarks in the CMS detector at center-of-mass energy 13 TeV. The search is split among five channels, $W(e\nu)H$, $W(\mu\nu)H$, $Z(\mu\mu)H$, $Z(ee)H$, and $Z(\nu\nu)H$. The analysis strategy and sensitivity of each individual decay channel is discussed, as well as the results for signal strength relative to the SM expectation.

Primary author: MEYER, Arnd (Rheinisch-Westfaelische Tech. Hoch. (DE))

Presenter: COOPERSTEIN, Stephane Brunet (Princeton University (US))

Session Classification: Poster Session

Track Classification: Higgs Physics