CMS Work in Progress $\sqrt{s} = 13 \text{ TeV}$, 35.9 fb⁻¹ Data (BTagCSV, 2016) ggZHcc ZHcc ggZHbb ZHbb ZZ WZ WW W + jets Z + jets Single top QCD (Data-Driven Estimate) Full data-driven background MC unc. (stat.)

150

200

250

300

M_H [GeV]

100

Events/4.0 Ge/ 00000 000008 00000

50000

40000

30000

20000

10000

1.5

0.5

50

Data/MC