

CMS Work in Progress  $\sqrt{s} = 13 \text{ TeV}, 35.9 \text{ fb}^{-1}$

Events/ $0.2$

$\times 10^3$

400

350

300

250

200

150

100

50

1.5

1

0.5

Data (BTagCSV, 2016)

ggZHcc

ZHcc

ggZHbb

ZHbb

ZZ

WZ

WW

W + jets

Z + jets

$t\bar{t}$

Single top

QCD

MC unc. (stat.)

Data/MC

$\Delta R(c,c)$

0

1

2

3

4

5

6

