


$\sqrt{s} = 13 \text{ TeV}$, 2017 43.6 fb⁻¹
4b ggF Signal Region

 Reweighted 2b Data

 Stat. + Syst. Error

300 x SM HH

 $30 \times \kappa_\lambda = 10 \text{ HH}$

Entries / 25 GeV

$$\alpha \times S / \sqrt{B}$$
$$\Delta\eta_{HH} < 0.5$$
$$0.5 < \Delta\eta_{HH} < 1$$
$$1 < \Delta\eta_{HH} < 1.5$$
$$\Delta\eta_{HH} < 0.5$$
$$0.5 < \Delta\eta_{HH} < 1$$
$$1 < \Delta\eta_{HH} < 1.5$$
$$X_{HH} < 0.95$$
$$0.95 < X_{HH} < 1.6$$
 $m_{HH} \text{ [GeV]}$