19.7 fb⁻¹ at $\sqrt{s} = 8 \text{ TeV}$ Events / (2.33 GeV) **CMS** 5 **Preliminary** ggH powheg15 JHUgen 125 GeV 0.0 < pT4I < 15.04 Asimov Data (SM m(H) = 125.6 GeV) $N_{fid}^{fit} = 3.76 \text{ (exp.} = 3.53)$ 3 $N_{\text{other fid.}}^{\text{fit}} = 0.18 \text{ (exp} = 0.18)$ $N_{out}^{fit} = 0.16 \text{ (exp.} = 0.15)$ $N_{\text{wrong}}^{\text{fit}} = 0.17 \text{ (exp.} = 0.06)$ 2 N_{ZZ}^{fit} = 11.38 (exp. = 11.37) N_{7+X}^{fit} = 1.04 (exp. = 1.05) 115 120 125 130 140 135