19.7 fb<sup>-1</sup> at  $\sqrt{s} = 8 \text{ TeV}$ Events / (2.33 GeV) **CMS** Preliminary 5 ggH powheg15 JHUgen 125 GeV 60.0 < pT4l < 200.04 Asimov Data (SM m(H) = 125.6 GeV)  $N_{fid}^{fit} = 3.89 \text{ (exp.} = 3.75)$  $N_{other \, fid.}^{fit} = 0.04 \, (exp = 0.05)$ 3  $N_{out}^{fit} = 0.20 \text{ (exp.} = 0.18)$  $N_{\text{wrong}}^{\text{fit}} = 0.39 \text{ (exp.} = 0.14)$  $N_{ZZ}^{fit}$  = 1.31 (exp. = 1.31)  $N_{7+X}^{fit}$  = 1.39 (exp. = 1.39) 115 120 130 125 140 135