

**CMS Phase-2**

**3000 fb<sup>-1</sup> (14 TeV)**

a.u.

Simulation Preliminary

**pp**→**HH**→**bb** $\bar{\gamma}\gamma$

SM ggHH

ggHH CAT 4

□ Signal Simulation

— Signal model

$\mu = 121.1$  GeV

$\sigma_{\text{Eff}} = 19.7$  GeV

