

CMS Preliminary Simulation

$pp \rightarrow X \rightarrow HH \rightarrow b\bar{b}\gamma\gamma$

Spin-0, $M = 300$ GeV

High Purity Category

 **Signal Simulation**

 **Signal model**

$\mu = 124.87$ GeV

$\sigma_{\text{Eff}} = 1.23$ GeV

