

# CMS Preliminary Simulation

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

Spin-0,  $M = 250$  GeV

High Purity Category

 **Signal Simulation**

 **Signal model**

$\mu = 124.81$  GeV

$\sigma_{\text{Eff}} = 1.30$  GeV

