

# CMS Preliminary Simulation

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

Spin-0,  $M = 900$  GeV

Medium Purity Category

 **Signal Simulation**

 **Signal model**

$\mu = 124.80$  GeV

$\sigma_{\text{Eff}} = 1.01$  GeV

