

# CMS Preliminary Simulation

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

SM HH, Low Mass Region

High Purity Category

 **Signal Simulation**

 **Signal model**

$\mu = 118.47 \text{ GeV}$

$\sigma_{\text{Eff}} = 20.25 \text{ GeV}$

