

CMS Preliminary

 $L = 19.7 \text{ fb}^{-1}$   $\sqrt{s} = 8 \text{ TeV}$  $X \rightarrow HH \rightarrow \gamma\gamma b\bar{b}$ 

Medium purity

 $m_X = 300 \text{ GeV}$ 

● Data

— Fit

Fit  $\pm 2\sigma$ Fit  $\pm 1\sigma$ 