

**CMS Preliminary**

$L = 2.70 \text{ fb}^{-1}$  (13 TeV)

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

$M_X = 320 \text{ GeV}$  Selection

High Purity Category

● Data

— Background model  
(2nd Order Bernstein Pol.)

■ Fit  $\pm 1\sigma$

■ Fit  $\pm 2\sigma$

Events/(1 GeV)

