

**CMS Preliminary  $\sqrt{s} = 8 \text{ TeV } L = 19.7 \text{ fb}^{-1}$**

**$T\bar{T} \rightarrow tH\bar{t}H(\rightarrow \gamma\gamma)$**

**Hadronic Category**

**$M_T = 700 \text{ GeV}$**

**—+— Data**

**— Bkg Model**

**± 1 $\sigma$**

**± 2 $\sigma$**

**$T\bar{T} \rightarrow tH\bar{t}H$**

**$t\bar{t}H(\rightarrow \gamma\gamma)$**

