

CMS Preliminary

 $L = 19.7 \text{ fb}^{-1}$ $\sqrt{s} = 8 \text{ TeV}$ WED: $k_l = 35$, $k/\text{Mpl} = 0.2$, elementary top, no r/H mixing— radion ($\Lambda_R = 3 \text{ TeV}$)

- - - RS1 KK-graviton

- - - ● - - - Observed 95% upper limit

..... Expected 95% upper limit

■ Expected limit $\pm 1\sigma$ ■ Expected limit $\pm 2\sigma$ $\sigma(pp \rightarrow X) \times \text{BR}(X \rightarrow HH \rightarrow \gamma\gamma b\bar{b}) \text{ (fb)}$

High Purity

