

138 fb<sup>-1</sup> (13TeV)

Events/bin

**CMS**

• Data

tt̄

Multijet

Total bkg.  
uncertainty

M<sub>X</sub>=1600 GeV

M<sub>Y</sub>=150 GeV

M<sub>X</sub>=2000 GeV

M<sub>Y</sub>=300 GeV

M<sub>X</sub>=3000 GeV

M<sub>Y</sub>=400 GeV

$\sigma(pp \rightarrow X \rightarrow YH \rightarrow b\bar{b}b\bar{b}) = 1 \text{ fb}$

