

**CMS**  $H \rightarrow hh \rightarrow \tau\tau bb$

**19.7 fb<sup>-1</sup> (8 TeV)**

**$dN/dm_H$  [1/GeV]**

**$e\tau_h$**

**2-jet 2 b-tag**

**10× $H \rightarrow hh \rightarrow \tau\tau bb$**

**Observed**

**$Z \rightarrow \tau\tau$**

**$Z \rightarrow ee$**

**$W + \text{jets}$**

**QCD**

**$t\bar{t}$**

**Bkg. uncertainty**

**MSSM  $m_{\text{mod}+}^h$  scenario**

**$m_H = 300 \text{ GeV}, \tan\beta = 2$**

