$H \rightarrow hh \rightarrow bb\tau\tau$

19.7 fb$^{-1}$ (8 TeV)

$\tau\tau$ bins

Electroweak

QCD

$Z \rightarrow \tau\tau$

$Z \rightarrow ee$

Bkg. uncertainty

$10 \times H \rightarrow hh(m_H=300, \tan\beta=2)$

Observed

CMS

Unpublished

$e_{\tau_h}, 2\text{jet}-2\text{tag}$

$\tau\tau$ bins

Events/40 GeV

$M_{jj}$ (GeV)