

19.7 fb⁻¹ (8 TeV) + 5.1 fb⁻¹ (7 TeV)

CMS

$H \rightarrow \gamma\gamma + H \rightarrow ZZ$

$\mu_{ZZ}, \mu_{\gamma\gamma} (ggH, ttH),$

$\mu_{\gamma\gamma} (VBF, VH)$

— $H \rightarrow \gamma\gamma$ tagged

— $H \rightarrow ZZ$ tagged

Combined:

— stat. + syst.

--- stat. only

$m_H = 125.02^{+0.26}_{-0.27} \text{ (stat)}^{+0.14}_{-0.15} \text{ (syst)}$

$-2\Delta\ln L$

