

19.7 fb<sup>-1</sup> (8 TeV) + 5.1 fb<sup>-1</sup> (7 TeV)

$-2 \Delta \ln L$

**CMS**

*Preliminary*

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

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

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

— Combined

—  $H \rightarrow \gamma\gamma$  tagged

—  $H \rightarrow ZZ$  tagged

123

124

125

126

127

$m_H$  (GeV)

