

$\sqrt{s} = 14 \text{ TeV}$, 3000 fb⁻¹ per experiment

■ Total
— Statistical
— Experimental
— Theory

ATLAS and ***CMS***

HL-LHC Projection

Uncertainty [%]

Tot Stat Exp Th

$\sigma_{ttH}^{\gamma\gamma}$

5.9 4.2 2.6 3.1

σ_{ttH}^{ZZ}

15.2 14.6 2.2 3.6

σ_{ttH}^{WW}

6.6 3.0 4.9 3.2

σ_{ttH}^{bb}

10.7 3.4 3.3 9.6

$\sigma_{ttH}^{\tau\tau}$

10.2 6.1 7.7 2.7

0 0.05 0.1 0.15 0.2 0.25 0.3

Expected uncertainty