

ATLAS+CMS Preliminary

LHC_{top}WG

Run 2, $\sqrt{s} = 13$ TeV, September 2021

$\sigma_{t\bar{t}t} = 12.0^{+2.2}_{-2.5}$ (scale) fb
JHEP 02 (2018) 031
NLO QCD+EW

tot. stat.

$\sigma_{t\bar{t}t} \pm \text{tot. (stat.} \pm \text{syst.)}$ Obs. (Exp.) Sig.

ATLAS, 2LSS/3L, 139 fb⁻¹
EPJC 80 (2020) 1085



$24^{+7}_{-6} (5^{+5}_{-4})$ fb

4.3 (2.4) σ

ATLAS, 1L/2LOS, 139 fb⁻¹
arXiv:2106.11683



$26^{+17}_{-15} (8^{+15}_{-13})$ fb

1.9 (1.0) σ

ATLAS, comb., 139 fb⁻¹
arXiv:2106.11683



$24^{+7}_{-6} (4^{+5}_{-4})$ fb

4.7 (2.6) σ

CMS, 2LSS/3L, 137 fb⁻¹
EPJC 80 (2020) 75



$12.6^{+5.8}_{-5.2}$ fb

2.6 (2.7) σ

CMS, 1L/2LOS, 35.8 fb⁻¹
JHEP 11 (2019) 082



0^{+20} fb

0.0 (0.4) σ

