

ATLAS+CMS Preliminary

LHCtopWG

Run 2, $\sqrt{s} = 13$ TeV, November 2022

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



	$\sigma_{t\bar{t}t} \pm \text{tot. (stat. } \pm \text{syst.)}$	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 JHEP 11 (2021) 118	$26^{+17}_{-15} (8^{+15}_{-13})$ fb	1.9 (1.0) σ
ATLAS, comb., 139 fb⁻¹ JHEP 11 (2021) 118	$24^{+7}_{-6} (4^{+5}_{-4})$ 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
CMS, 1L/2LOS/all-had, 138 fb ⁻¹ CMS-PAS-TOP-21-005 *	38^{+13}_{-11} fb	3.7 (1.5) σ
CMS, comb., 138 fb⁻¹ CMS-PAS-TOP-21-005 *	17^{+5}_{-5} fb	3.9 (3.2) σ

*Preliminary

