Fit constraint (obs.)  $+1\sigma$  impact (obs.)  $-1\sigma$  impact (obs.) **CMS** Fit constraint (exp.) -1σ impact (exp.) +1σ impact (exp.) Private work  $\hat{\sigma}(\eta_*) = 8.7 \pm 1.1 \text{ pb}$ Top quark Yukawa coupling PS FSR (η,) hdamp (tt) Top quark mass (QCD MC) PS FSR (tt) Jet p<sub>\_</sub> scale (non-b flavor response) Color reconnection (QCD-inspired) Jet p<sub>\_</sub> scale (abs. scale, corr.) Luminosity (all years, corr.) Luminosity (2016, uncorr.) Jet p\_ scale (rel. sample, 2018) ME  $\mu_{_{\rm R}}$  (Z/ $\gamma^*$ ) Luminosity (2017, uncorr.)  $ME \mu_{R} (t\bar{t})$ Jet p<sub>resolution</sub> (2016pre) ME  $\mu_{\scriptscriptstyle \square}$  (Z/ $\gamma^*$ ) EW correction scheme Jet p<sub>\_</sub> scale (abs. scale, 2018) Trigger eff. (eµ, 2016pre) b tagging (relative muon pT) -2 -0.050.05