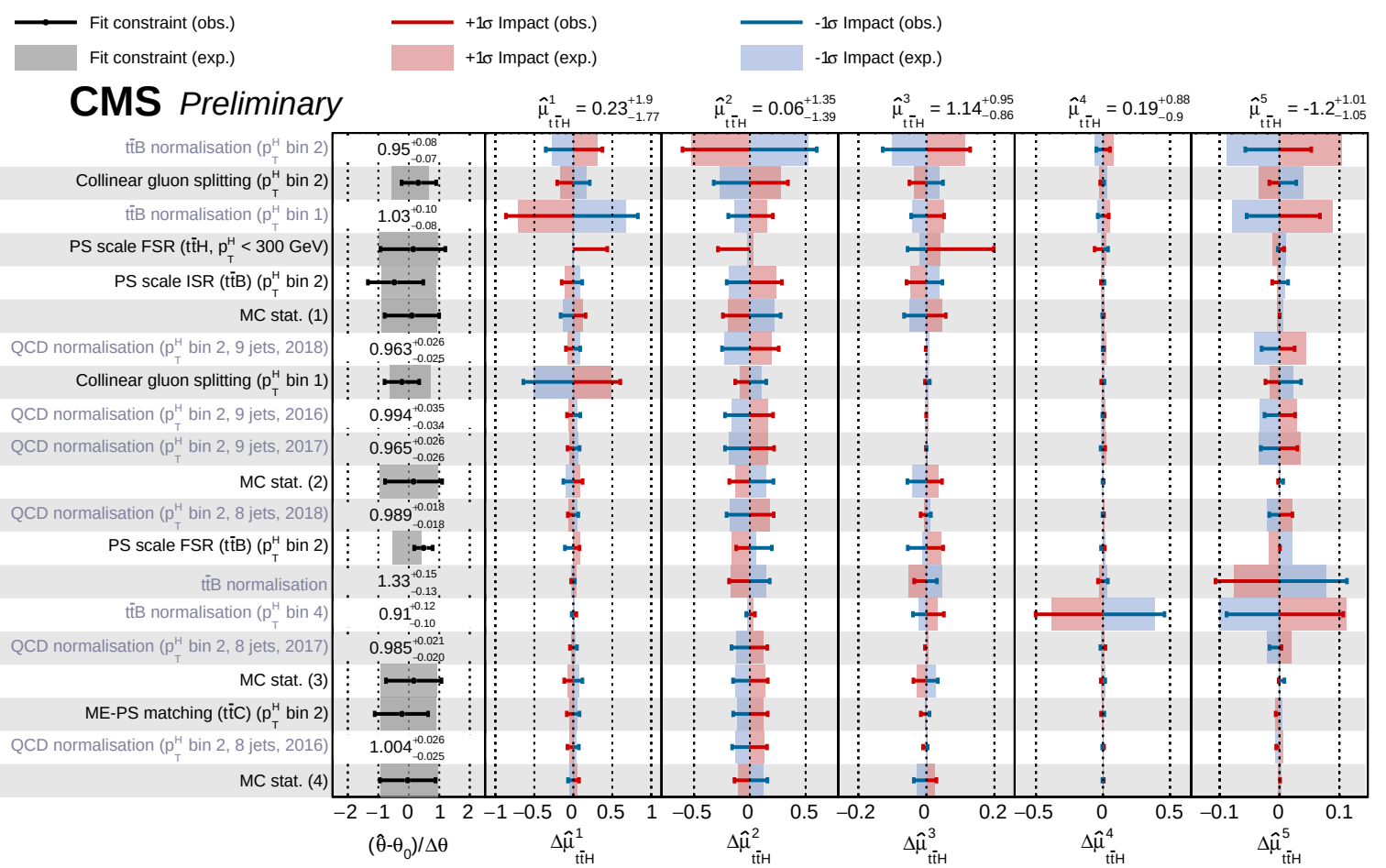
Fit constraint (obs.)
Fit constraint (exp.)
+1σ Impact (obs.)
+1σ Impact (exp.)
-1σ Impact (obs.)
-1σ Impact (exp.)
CMS Preliminary
$\hat{\mu}^1_{t\bar{t}H} = 0.23^{+1.9}_{-1.77}$
$\hat{\mu}^2_{t\bar{t}H} = 0.06^{+1.35}_{-1.39}$
$\hat{\mu}^3_{t\bar{t}H} = 1.14^{+0.95}_{-0.86}$
$\hat{\mu}^4_{t\bar{t}H} = 0.19^{+0.88}_{-0.9}$
$\hat{\mu}^5_{t\bar{t}H} = -1.2^{+1.01}_{-1.05}$
$t\bar{t}B$ normalisation (p_T^H bin 2) $0.95^{+0.08}_{-0.07}$
Collinear gluon splitting (p_T^H bin 2)
$t\bar{t}B$ normalisation (p_T^H bin 1) $1.03^{+0.10}_{-0.08}$
PS scale FSR ($t\bar{t}H$, p_T^H < 300 GeV)
PS scale ISR ($t\bar{t}B$) (p_T^H bin 2)
MC stat. (1)
QCD normalisation (p_T^H bin 2, 9 jets, 2018) $0.963^{+0.026}_{-0.025}$
Collinear gluon splitting (p_T^H bin 1)
QCD normalisation (p_T^H bin 2, 9 jets, 2016) $0.994^{+0.035}_{-0.034}$
QCD normalisation (p_T^H bin 2, 9 jets, 2017) $0.965^{+0.026}_{-0.026}$
MC stat. (2)
QCD normalisation (p_T^H bin 2, 8 jets, 2018) $0.989^{+0.018}_{-0.018}$
PS scale FSR ($t\bar{t}B$) (p_T^H bin 2)
$t\bar{t}B$ normalisation $1.33^{+0.15}_{-0.13}$
$t\bar{t}B$ normalisation (p_T^H bin 4) $0.91^{+0.12}_{-0.10}$
QCD normalisation (p_T^H bin 2, 8 jets, 2017) $0.985^{+0.021}_{-0.020}$
MC stat. (3)
ME-PS matching ($t\bar{t}C$) (p_T^H bin 2)
QCD normalisation (p_T^H bin 2, 8 jets, 2016) $1.004^{+0.026}_{-0.025}$
MC stat. (4)
$(\hat{\theta}-\theta_0)/\Delta\theta$
$\Delta\hat{\mu}^1_{t\bar{t}H}$
$\Delta\hat{\mu}^2_{t\bar{t}H}$
$\Delta\hat{\mu}^3_{t\bar{t}H}$
$\Delta\hat{\mu}^4_{t\bar{t}H}$
$\Delta\hat{\mu}^5_{t\bar{t}H}$