

Systematic uncertainty	Impact from inclusive fit [%]		Impact from differential fit [%]	
	$\mu_{t\gamma q}$	$\mu_{t\bar{t}\gamma}$	$\sum_i \mu_{t\gamma q}^i$	$\sum_i \mu_{t\bar{t}\gamma}^i$
MC statistical uncertainties	+4.2, -4.2	+2.5, -2.8	+4.8, -4.8	+2.6, -2.6
Theoretical uncertainties	+4.0, -3.9	+3.1, -2.9	+2.9, -2.8	+3.0, -2.8
Jet energy correction	+1.7, -1.9	+2.1, -2.1	+3.3, -3.2	+1.0, -1.2
$N_{\text{jet}}$ modeling	+1.5, -2.0	+3.7, -3.9	+0.7, -0.5	+2.1, -1.9
b tagged and PU jet ID	+1.3, -1.3	+1.0, -1.0	+0.7, -0.7	+0.6, -0.7
misID normalization	+2.1, -2.1	+1.4, -1.6	+1.9, -2.1	+1.9, -1.9
Related to lepton and $\gamma$	+1.1, -1.2	+1.6, -1.4	+0.9, -0.8	+1.5, -1.4
Nonprompt bkg. estimate	+1.2, -1.4	+0.4, -0.6	+2.4, -2.5	+1.4, -1.4
Others	+2.0, -2.0	+0.1, -0.3	+1.3, -1.2	+0.2, -0.4
Integrated luminosity	+0.6, -0.9	+1.3, -1.1	+0.6, -0.5	+0.9, -0.8
Total systematic uncertainty	+6.7, -6.6	+5.5, -5.5	+6.3, -6.3	+4.8, -4.8