

Systematic source	Uncertainty in $\mathcal{T}$ factor [%]			
	$\mathcal{T}_{\mu+\text{jets}}^{\text{W}/\text{t}\bar{\text{t}}}$	$\mathcal{T}_{\mu+\text{jets}}^{\text{Z}\rightarrow\nu\bar{\nu}}$	$\mathcal{T}_{\mu\mu+\text{jets}}^{\text{Z}\rightarrow\nu\bar{\nu}}$	$\mathcal{T}_{\gamma+\text{jets}}^{\text{Z}\rightarrow\nu\bar{\nu}}$
Scale factors (applied to simulation):				
Jet energy scale	<15	<15	<10	<15
b tagging eff & mistag rate	<5	<5	<2	<2
Lepton identification	2–5	2–5	2–5	—
Pileup	<10	<6	<4	<3
Top quark $p_{\text{T}}$	<5	<20	<4	—
Closure tests:				
W/Z ratio	—	10–30	—	—
Z/ $\gamma$ ratio	—	—	—	10–30
W/ $\text{t}\bar{\text{t}}$ composition	10–100	—	—	—
W polarisation	5–50	5–50	—	—
$\alpha_{\text{T}} / \Delta\phi_{\text{min}}^*$	5–80	5–80	50–80	—