

Source	Uncertainty [%]
Trigger	0.4
Lepton ident./isolation	2.2
Muon momentum scale	0.2
Electron momentum scale	0.2
Jet energy scale	0.7
Jet energy resolution	0.5
b tagging	0.3
Pileup	0.3
$t\bar{t}$ ME scale	0.5
$tW$ ME scale	0.7
DY ME scale	0.2
NLO generator	1.2
PDF	1.1
$m_t^{\text{MC}}$	0.4
Top quark $p_T$	0.5
ME/PS matching	0.2
UE tune	0.3
$t\bar{t}$ ISR scale	0.4
$tW$ ISR scale	0.4
$t\bar{t}$ FSR scale	1.1
$tW$ FSR scale	0.2
b quark fragmentation	1.0
b hadron BF	0.2
Colour reconnection	0.4
DY background	0.8
$tW$ background	1.1
Diboson background	0.3
W+jets background	0.3
$t\bar{t}$ background	0.2
Statistical	0.2
Integrated luminosity	2.5
MC statistical	1.2
Total $\sigma_{t\bar{t}}^{\text{vis}}$ uncertainty	4.2
Extrapolation uncertainties	
$t\bar{t}$ ME scale	$\mp_{<0.1}^{0.4}$
PDF	$\pm_{0.6}^{0.8}$
Top quark $p_T$	$\pm_{0.3}^{0.2}$
$t\bar{t}$ ISR scale	$\mp_{<0.1}^{0.2}$
$t\bar{t}$ FSR scale	$\pm 0.1$
UE tune	$<0.1$
$m_t^{\text{MC}}$	$\mp_{0.3}^{0.2}$
Total $\sigma_{t\bar{t}}$ uncertainty	$+4.3$ $-4.2$