

Name	Contribution [%]
Trigger	0.4
Lepton ID/isolation	2.2
Electron energy scale	0.2
Muon energy 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^{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-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
Luminosity	2.5
MC Statistical	1.2
Total vis	4.2
$\sigma_{t\bar{t}}(13 \text{ TeV})$ vis	12.86 pb
$t\bar{t}$ ME scale (extr)	$\mp_{<0.1}^{0.4}$
PDF (extr)	$\pm_{0.6}^{0.8}$
Top quark p_T (extr)	$\pm_{0.3}^{0.2}$
$t\bar{t}$ ISR scale (extr)	$\mp_{<0.1}^{0.2}$
$t\bar{t}$ FSR scale (extr)	$\pm_{0.1}^{0.1}$
UE tune (extr)	$\mp_{<0.1}^{0.1}$
m_t^{MC} (extr)	$\mp_{0.3}^{0.2}$
Total	$\pm_{4.2}^{4.3}$
$\sigma_{t\bar{t}}(13 \text{ TeV})$	815 pb

Name	Contribution [GeV]
Trigger	0.02
Lepton ID/isolation	0.02
Electron energy scale	0.10
Muon energy scale	0.03
Jet energy scale	0.57
Jet energy resolution	0.09
b tagging	0.12
Pileup	0.09
$t\bar{t}$ ME scale	0.18
tW ME scale	0.02
DY ME scale	0.06
NLO generator	0.14
PDF	0.05
$\sigma_{t\bar{t}}$	0.09
Top quark p_T	0.04
ME/PS matching	0.16
UE tune	0.03
$t\bar{t}$ ISR scale	0.16
tW ISR scale	0.02
$t\bar{t}$ FSR scale	0.07
tW FSR scale	0.02
B-Fragmentation	0.11
B-hadron BF	0.07
Colour reconnection	0.17
DY background	0.24
tW background	0.13
Diboson background	0.02
W+jets background	0.04
$t\bar{t}$ background	0.02
Statistical	0.14
Total Stat+Syst	$\pm_{0.64}^{0.57}$
MC Statistical	0.36
Total	$\pm_{0.73}^{0.68}$
m_t^{MC}	172.33