

Source	Variation	Process
Integrated luminosity	$\pm 2.3\text{-}2.5\%$	signal, $t\bar{t}$, single top
Top jet tagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$, single top
Jet energy scale	$\pm 1\sigma(p_T, \eta)$	signal, $t\bar{t}$, single top
Jet energy resolution	$\pm 1\sigma(p_T, \eta)$	signal, $t\bar{t}$, single top
Jet mass scale	$\pm 1\sigma(m_{SD})$	signal, $t\bar{t}$, single top
Jet mass resolution	$\pm 1\sigma(m_{SD})$	signal, $t\bar{t}$, single top
B tagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$, single top
B mistagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$, single top
Dbtag	$\pm 1\sigma(p_T)$	signal
Dbtag mistagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$, single top
W tagging	$\pm 1\sigma(p_T)$	signal
Pileup	$\pm 1\sigma(\sigma_{mb})$	signal, $t\bar{t}$, single top
PDF, α_s	$\pm 1\sigma$	signal, single top
Q^2	$\pm 1\sigma$	signal, single top
ISR/FSR	$\pm 1\sigma$	single top
$t\bar{t}$ normalization	$\pm 1\sigma(H_T)$	$t\bar{t}$
trigger	$\pm 1\sigma(H_T)$	signal, $t\bar{t}$, single top
$TF(p_T, \eta)$	$\pm 1\sigma(p_T, \eta)$	QCD
$t\bar{t}$ contamination	$\pm 1\sigma(p_T, \eta)$	QCD