Source	Variation	Process
Integrated luminosity	± 1.2–2.5%	signal, $t\bar{t}$, single t
$t\bar{t}$ normalization	± 11–15%	$t\bar{t}$
JES	$\pm 1\sigma(p_{\mathrm{T}}, \eta)$	signal, $t\bar{t}$, single t
JER	$\pm 1\sigma(p_{\mathrm{T}}, \eta)$	signal, $t\bar{t}$, single t
JMS	$\pm 1\sigma(m_{\mathrm{SD}})$	signal, $t\bar{t}$, single t
JMR	$\pm 1\sigma(m_{\mathrm{SD}})$	signal, $t\bar{t}$, single t
Z jet tagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal
b tagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal, $t\bar{t}$, single t
b mistagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal, $t\bar{t}$, single t
Dbtag tagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal
Dbtag mistagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal, $t\bar{t}$, single t
t jet tagging	$\pm 1\sigma(p_{\mathrm{T}})$	signal, $t\bar{t}$, single t
Trigger	$\pm 1\sigma(H_{\mathrm{T}})$	signal, $t\bar{t}$, single t
Pileup	$\pm 1\sigma$	signal, $t\bar{t}$, single t
PDF, α_s	$\pm 1\sigma$	signal, single t
μ_{R} and μ_{F}	$\pm 1\sigma$	signal, single t
ISR/FSR	$\pm 1\sigma$	single t
$TF(p_{\mathrm{T}}, \eta)$	$\pm 1\sigma(p_{\mathrm{T}}, \eta)$	QCD
$t\bar{t}$ contamination	$\pm 1\sigma(p_{\mathrm{T}}, \eta)$	QCD