

Source	Variation	Process
Integrated luminosity	$\pm 2.5\%$	signal, $t\bar{t}$
Top jet tagging	$+10.0\%, -4\%$	signal, $t\bar{t}$
$t\bar{t}$ cross section	$+4.8\%, -5.5\%$	$t\bar{t}$
Top p_T reweighting	$+1\sigma(p_{T\text{gen}})$	$t\bar{t}$
Matrix element μ_R/μ_F scales	$\pm 1\sigma(\mu_R/\mu_F)$	signal, $t\bar{t}$
Jet energy scale	$\pm 1\sigma(p_T, \eta)$	signal, $t\bar{t}$
Jet energy resolution	$\pm 1\sigma(p_T, \eta)$	signal, $t\bar{t}$
Jet mass scale	$\pm 1\sigma(m_{\text{SD}})$	signal, $t\bar{t}$
Jet mass resolution	$\pm 1\sigma(m_{\text{SD}})$	signal, $t\bar{t}$
b tagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$
b mistagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$
double b tagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$
double b mistagging	$\pm 1\sigma(p_T)$	signal, $t\bar{t}$
Higgs jet tagging	$\pm 5\%$	signal
Pileup	$\pm 1\sigma(\sigma_{\text{mb}})$	signal, $t\bar{t}$
PDFs	$\pm 1\sigma(Q^2, x)$	signal, $t\bar{t}$
H_T trigger	$\pm 1\sigma(H_T)$	signal, $t\bar{t}$
$t\bar{t}$ contamination	$\pm 1\sigma(p_T)$	QCD
$F(p_T, \eta)$	$\pm 1\sigma(p_T, \eta)$	QCD
Higgs jet mass modification	$\pm 1\sigma(m_{\text{H}})$	QCD
Non closure	$\pm 1\sigma(m_{\text{thb}})$	QCD