			Impact	
Source	Uncertainty	Samples	Up	Down
tt̄ cross section	±20%	tŧ	-4.6	+4.4%
Single top cross section	$\pm 30\%$	Single top	+1.2	-1.4%
Integrated luminosity	$\pm 1.8\%$	tī, single top, signal	+1.6	-1.1%
Pileup	Shape $(\sigma_{mb})$	tt̄, single top, signal	+0.3	-0.2%
Trigger prefiring	Shape $(p_T, \eta)$	tī, single top, signal	+0.0	+0.1%
Jet energy scale	Shape $(p_{\rm T})$	tī, single top, signal	+0.3	-0.6%
Jet energy resolution	Shape $(p_T, \eta)$	tī, single top, signal	-0.4	-0.5%
Jet mass scale	Shape $(m_W)$	tī, single top, signal	-0.1	-0.0%
Jet mass resolution	Shape $(m_W)$	tī, single top, signal	+0.0	+0.9%
Wtagging	Shape $(p_{\rm T})$	Single top, signal	+0.9	-0.9%
Wtagging: $p_T$ extrapolation	Shape $(p_{\rm T})$	Single top, signal	+4.9	-4.9%
Top tagging, merged	Shape $(p_{\rm T})$	tī, single top, signal	+0.2	-0.2%
Top tagging, semimerged	Shape $(p_{\rm T})$	tī, single top, signal	+1.1	-0.9%
Top tagging, not merged	Shape $(p_{\rm T})$	tī, single top, signal	-0.1	+0.1%
Trigger	Shape $(H_{\rm T})$	tī, single top, signal	+0.3	-0.4%
Top quark $p_{\rm T}$ correction $c_1$	Shape $(p_{\rm T})$	t <del></del> t	-0.3	+0.3%
Top quark $p_{\rm T}$ correction $c_2$	Shape $(p_{\rm T})$	t <del></del> t	-3.9	+3.5%
PDF	Shape $(m_t, m_{tW})$	Signal	+0.1	-0.1%
KDE bandwidth	Shape $(m_t, m_{tW})$	Multijet (from simulation)	-1.2	+0.2%
$R_{ m ratio}^{ m SR}(m_{ m t},m_{ m tW})p_0$	Shape $(m_t, m_{tW})$	Multijet (from data)	-4.4	+0.0%
$R_{ m ratio}^{ m SR}(m_{ m t},m_{ m tW})p_1$	Shape $(m_t, m_{tW})$	Multijet (from data)	-2.0	+2.2%
$R_{\rm ratio}^{\rm SR}(m_{\rm t},m_{ m tW})p_2$	Shape $(m_t, m_{tW})$	Multijet (from data)	+0.9	-0.8%
$R_{\rm ratio}^{\rm SR}(m_{\rm t},m_{\rm tW})p_3$	Shape $(m_t, m_{tW})$	Multijet (from data)	+18.6	-18.8%
$R_{\rm ratio}^{\rm ttMR}(m_{\rm t},m_{\rm tt})p_0$	Shape $(m_t, m_{tt})$	Multijet (from data)	-0.4	+0.6%
$R_{\rm ratio}^{ m ttMR}(m_{ m t},m_{ m tt})p_1$	Shape $(m_t, m_{tt})$	Multijet (from data)	-0.4	+0.6%
$R_{\rm ratio}^{\rm tfMR}(m_{\rm t},m_{\rm tt})p_2$	Shape $(m_t, m_{tt})$	Multijet (from data)	+0.5	-0.6%
$R_{\mathrm{ratio}}^{\mathrm{ttMR}}(m_{\mathrm{t}}, m_{\mathrm{tt}}) p_{3}$	Shape $(m_t, m_{tt})$	Multijet (from data)	-0.6	+0.6%