Source	Туре	Remarks
Integrated luminosity	rate	Signal and all backgrounds
Lepton identification/isolation	shape	Signal and all backgrounds
Trigger efficiency	shape	Signal and all backgrounds
Pileup	shape	Signal and all backgrounds
Jet energy scale	shape	Signal and all backgrounds
Jet energy resolution	shape	Signal and all backgrounds
b tag hf fraction	shape	Signal and all backgrounds
b tag hf stats (linear)	shape	Signal and all backgrounds
b tag hf stats (quadratic)	shape	Signal and all backgrounds
b tag lf fraction	shape	Signal and all backgrounds
b tag lf stats (linear)	shape	Signal and all backgrounds
b tag lf stats (quadratic)	shape	Signal and all backgrounds
b tag charm (linear)	shape	Signal and all backgrounds
b tag charm (quadratic)	shape	Signal and all backgrounds
Renorm./fact. scales (ttH)	rate	Scale uncertainty of NLO ttH prediction
Renorm./fact. scales (tt)	rate	Scale uncertainty of NNLO tt prediction
Renorm./fact. scales (tt+hf)	rate	Additional 50% rate uncertainty of tt+hf predictions
Renorm./fact. scales (t)	rate	Scale uncertainty of NLO single t prediction
Renorm./fact. scales (V)	rate	Scale uncertainty of NNLO W and Z prediction
Renorm./fact. scales (VV)	rate	Scale uncertainty of NLO diboson prediction
PDF (gg)	rate	PDF uncertainty for gg initiated processes except
		tťH
PDF (gg ttH)	rate	PDF uncertainty for ttH
PDF $(q\overline{q})$	rate	PDF uncertainty of $q\overline{q}$ initiated processes
		$(t\bar{t}+W,W,Z)$
PDF (qg)	rate	PDF uncertainty of qg initiated processes (single t)
$\mu_{\rm R}$ scale (tt)	shape	Renormalisation scale uncertainty of the tt ME gen-
_		erator (POWHEG), same for additional jet flavours
$\mu_{\rm F}$ scale (t $ar{ m t}$ )	shape	Factorisation scale uncertainty of the tt ME genera-
_		tor (POWHEG), same for additional jet flavours
PS scale: ISR (tt)	rate	Initial state radiation uncertainty of the PS (for tt
		events), jet multiplicity dependent rate uncertainty,
_		independent for additional jet flavours
PS scale: FSR (t <del>t</del> )	rate	Final state radiation uncertainty (for tt events), jet
		multiplicity dependent rate uncertainty, indepen-
_		dent for additional jet flavours
ME-PS matching (tt)	rate	NLO ME to PS matching, <i>hdamp</i> [?] (for tt events),
		jet multiplicity dependent rate uncertainty, indepen-
		dent for additional jet flavours
Underlying event (tt)	rate	Underlying event (for tt events), jet multiplicity
		dependent rate uncertainty, independent for addi-
		tional jet flavours
NNPDF3.0NLO (ttH, tt)	shape	Based on the NNPDF replicas, same for ttH and ad-
	_	ditional jet flavours
Bin-by-bin event count	shape	Statistical uncertainty of the signal and background
		prediction due to the limited sample size