Source	Туре	Remarks
Luminosity	rate	Signal and all backgrounds
Lepton ID/Iso	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
QCD scale (t <del>t</del> H)	rate	Scale uncertainty of NLO ttH prediction
QCD scale (t <del>t</del> )	rate	Scale uncertainty of NLO tt prediction
QCD scale (tt+HF)	rate	Additional 50% rate uncertainty of tt+HF predic-
		tions
QCD scale (t)	rate	Scale uncertainty of NLO single t prediction
QCD scale (V)	rate	Scale uncertainty of NNLO W and Z prediction
QCD scale (VV)	rate	Scale uncertainty of NLO diboson prediction
pdf (gg)	rate	PDF uncertainty for gg initiated processes except
		t <del>t</del> H
pdf (gg t <del>t</del> H)	rate	PDF uncertainty for ttH
pdf (q <del>q</del> )	rate	PDF uncertainty of qq initiated processes (tt W, W,
		Z)
pdf (qg)	rate	PDF uncertainty of qg initiated processes (single t)
$Q^2$ scale ( $t\bar{t}$ )	shape	Renormalization and factorization scale uncertain-
		ties of the tt ME generator, independent for addi-
		tional jet flavors
PS Scale (t <del>t</del> )	rate	Renormalization and factorization scale uncertain-
		ties of the parton shower (for tt events), indepen-
		dent for additional jet flavors
Bin-by-bin statistics	shape	statistical uncertainty of the signal and background
		prediction due to the limited sample size