Systematic uncertainty source	Correlation	Correlation	Magnitude
	2016–2017	time bins	
Flat luminosity, year-to-year correlated part	100%	100%	0.6-0.9%
Flat luminosity, year-to-year uncorrelated part	0%	100%	0.9 – 1.4%
Time-dependent luminosity stability	0%	100%	0.2 – 0.4%
Time-dependent luminosity linearity	0%	100%	0.2 – 0.4%
Time-dependent pileup reweighting	100%	100%	0.3–5%
Time-dependent trigger efficiency, syst. component	0%	100%	0.5–1%
Time-dependent trigger efficiency, stat. component	0%	0%	0.5%
L1 ECAL timing shift	100%	0%	0.5%
Electron reconstruction	100%	0%	0.4%
Electron identification	100%	0%	1.2–2.2%
Muon identification, syst. component	100%	0%	0.3%
Muon identification, stat. component	0%	0%	0.5%
Muon isolation, syst. component	100%	0%	<0.1%
Muon isolation, stat. component	0%	0%	0.2%
Phase-space extrapolation of lepton isolation	100%	100%	0.5–1%
Jet energy scale, year-to-year correlated part	100%	0%	0.8%
Jet energy scale, year-to-year uncorrelated part	0%	0%	1.4%
Parton flavor impact on jet energy scale	100%	100%	1.1%
b tagging	0%	0%	2–4%
Matrix element scale [†]	100%	100%	0.3-6%
PDF+ α_S^{\dagger}	100%	100%	0.1 – 0.4%
Initial- & final-state radiation scale †	100%	100%	1–5%
Top quark $p_{\mathrm{T}}^{}\dagger}$	100%	100%	0.5–2.5%
Matrix element to parton shower matching [†]	100%	100%	0.7%
Underlying event tune [†]	100%	100%	0.2%
Color reconnection [†]	100%	100%	0.3%
Top quark mass [†]	100%	100%	0.5–3%
Single top quark cross section [†]	100%	100%	30%
ttV cross section †	100%	100%	20%
Diboson cross section †	100%	100%	30%
V+jets cross section †	100%	100%	30%
$t\bar{t}$ cross section *†	100%	100%	4%
Single top quark time modulation *	100%	100%	2%
MC statistical uncertainty	0%	100%	0.1–1%