source	magnitude	effect on yield	induces SR migration
luminosity	4.6%	4.6% *	–
jet ES	$2-8\%$	$1-20\%$ *	✓
b-tag efficiency	$5-10\%$	$1-20\%$ *	–
pileup	5%	3% *	–
lepton efficiencies	2%	2% *	–
HLT efficiencies	3%	3% *	–
HLT lepton effic.	$3-10\%$	$3-10\%$ FastSim signals	–
HLT FastSim	5%	5% FastSim signals	–
FO CR stat.	$1-100\%$	$1-100\%$ (fake bkg. only)	–
FR extrapolation	30%	30% (fake bkg. only)	–
EWK subtraction in FR	100% (ewk. SF)	$1-5\%$ (fake bkg. only)	–
WZ CR stat. and norm.	15%	15 % (WZ only)	–
MonteCarlo stat.	$1-100\%$	$1-100\%$ *	–
QCD scales	$\times 0.5/ \times 2$	$11-13\%(\sigma)/3-18\%(\mathcal{A})$ ($t\bar{t}W, t\bar{t}Z, t\bar{t}H$)	–
PDFs	–	2–3% ($t\bar{t}W, t\bar{t}Z, t\bar{t}H$)	–
other bkgs.	50%	50% (rare processes, tribosons, etc.)	–

* $t\bar{t}W, t\bar{t}Z, t\bar{t}H$, rare processes and signals only