

Uncertainty	Process	Type	Correlation
Floating normalization	top, qWW, WW2J, DY	norm.	Uncorrelated; qWW/WW2J correlated between final states
Luminosity	All MC	norm.	Partially correlated
Trigger efficiency	All MC and Embedded	shape	Uncorrelated
Electron / Muon ID efficiency	All MC and Embedded	shape	Uncorrelated
Electron / Muon $p_T$ scale	All MC and Embedded	norm.	Uncorrelated
Jet energy scale / resolution	All MC	norm.	Partially correlated
MET energy scale	All MC	norm.	Uncorrelated
Prefire corrections	All MC	shape	Uncorrelated
Parton shower	All MC	shape	Correlated between years, split between ISR and FSR
Underlying event	All MC	norm.	Correlated between 2017 and 2018
Pileup	Signal, top, DY, qWW, SM ggHWW, SM VBFWW	shape	Uncorrelated
Pileup jet ID	All MC	shape	Uncorrelated
Fake rate systematic	Fakes	norm.	Correlated between years, split between final states
Fake rate statistic	Fakes	shape	Uncorrelated
Fake rate jet threshold	Fakes	shape	Uncorrelated
Embedded double counted events	Embedded	shape	Uncorrelated
B-tagging	All MC	shape	Partially correlated
QCD scale variation	Signal, SM All other MC except qWW and VVV	norm. shape	Correlated between years, split between production modes
PDF variation	All MC except VVV	norm.	Correlated between years, split between production modes
QCD scale / PDF acceptance	Signal, SM, ggWW, qqWWqq	norm.	Correlated between years, split between production modes
Control region acceptance	top, DY	norm.	Correlated
DY reweightings	DY	shape	Uncorrelated
$t\bar{t}$ reweighting	top	shape	Correlated
WWresummation / scale	qWW	shape	Correlated between years, split between categories
$V\gamma^*$ normalization	$V\gamma^*$	norm.	Correlated
Single-top quark contribution	top	shape	Correlated
EWK NLO correction	qWW	shape	Correlated