

Source	Type	0-lepton	1-lepton	2-lepton
Simulated sample event count	shape	✓	✓	✓
c tagging efficiency	shape	✓	✓	✓
Top quark $p_T$ reweighting	shape	✓	✓	✓
$p_T(V)$ reweighting	shape	✓	✓	✓
VH : $p_T(V)$ NLO EW correction	shape	✓	✓	✓
Jet energy scale	shape	✓	✓	✓
Jet energy resolution	shape	✓	✓	✓
$p_T^{\text{miss}}$ trigger efficiency	rate	✓	—	—
Lepton trigger efficiency	shape (rate)	—	✓	✓
Lepton identification efficiency	shape (rate)	—	✓	✓
$p_T^{\text{miss}}$ unclustered energy	shape	✓	✓	—
Pileup reweighting	shape	✓	✓	✓
Integrated luminosity	rate	✓	✓	✓
PDF	shape	✓	✓	✓
Renormalisation and factorisation scales	shape	✓	✓	✓
Single top cross section	rate	✓	✓	✓
Diboson cross section	rate	✓	✓	✓
VH : cross section (PDF)	rate	✓	✓	✓
VH : cross section (scale)	rate	✓	✓	✓