Event generator	POWHEG (v2)	MADGRAPH5_aMC@NLO (v2.2.2)	SHERPA (v2.2.4)
Matrix element characteristics			
Mode	hvq	FxFx Merging	OPENLOOPS
Scales (μ_R, μ_F)	m_T	$\sum_{t,\bar{t}} m_T/2$	METS + QCD
$\alpha_S(M_Z)$	0.118	0.118	0.118
PDF	NNPDF3.0 NLO	NNPDF3.0 NLO	NNPDF3.0 NNLO
Accuracy	$t\bar{t}$ [NLO]	$t\bar{t}$ + 0,1,2 jets [NLO]	$t\bar{t}$ [NLO]
	1 jet [LO]	3 jets [LO]	
Parton shower			
Setup designation	PW+PY8	MG5_aMC	SHERPA
PS		PYTHIA (v8.219)	CS
Tune		CUETP8M2T4	default
PDF		NNPDF2.3 LO	NNPDF3.0 NNLO
($\alpha_S^{ISR}(M_Z)$, $\alpha_S^{FSR}(M_Z)$)		(0.1108, 0.1365)	(0.118, 0.118)
ME Corrections		on	—
Setup designation	PW+HW++	PW+HW7	
PS	HERWIG++	HERWIG 7	
Tune	EE5C	Default	
PDF	CTEQ6 (L1)	MMHT2014 LO	
($\alpha_S^{ISR}(M_Z)$, $\alpha_S^{FSR}(M_Z)$)	(0.1262, 0.1262)	(0.1262, 0.1262)	
ME Corrections	off	on	