

Event generator	POWHEG (v2)	MG5_aMC@NLO	SHERPA 2.2.4
<i>Matrix element characteristics</i>			
Mode	hvq	FxFx Merging	OPENLOOPS
QCD scales ( $\mu_R, \mu_F$ )	$m_T^t$	$\sum_{t,\bar{t}} m_T/2$	
$\alpha_S$	0.118	0.118	0.118
PDF	NNPDF3.0 NLO	NNPDF3.0 NLO	NNPDF3.0 NNLO
pQCD accuracy	$t\bar{t}$ [NLO] 1 jet [LO]	$t\bar{t}$ +0,1,2 jets [NLO] 3 jets [LO]	$t\bar{t}$ [NLO]
<i>Parton shower</i>			
Setup designation	PW+PY8	aMC@NLO+PY8	SHERPA
PS		PYTHIA 8.219	CS
Tune(s)		CUETP8M2T4	default
PDF		NNPDF2.3 LO	NNPDF3.0 NNLO
( $\alpha_S^{\text{ISR}}, \alpha_S^{\text{FSR}}$ )		(0.1108,0.1365)	(0.118,0.118)
ME Corrections		on	n/a
Setup designation	PW+HW++	PW+HW7	
PS	HERWIG++	HERWIG 7	
Tune(s)	EE5C	Default	
PDF	CTEQ6L1	MMHT2014lo68cl	
( $\alpha_S^{\text{ISR}}, \alpha_S^{\text{FSR}}$ )	(0.1262,0.1262)	(0.1262,0.1262)	
ME Corrections	off	on	