Process	Event generator	Perturbative order of simulation	Cross section normalization
$t\bar{t}\gamma$	MadGraph5_aMC@NLO	LO	NLO
$t\bar{t}$	powheg	NLO	NNLO+NNLL [? ? ? ? ? ? ?]
Single t (t-channel)	powheg	NLO	NLO [? ?]
Single t (s-channel)	MadGraph5_aMC@NLO	NLO	NLO [? ?]
tW	powheg	NLO	NNLO [?]
Drell–Yan, W+jets	MadGraph5_aMC@NLO	LO	NNLO [? ? ? ? ?]
Wγ	MadGraph5_aMC@NLO	LO	NLO
WW	powheg	NLO	NNLO [?]
tγ, Zγ, WZ, ZZ t$\bar{t}$Z, t$\bar{t}$W, tZq	MadGraph5_aMC@NLO	NLO	NLO
Multijet	pythia	LO	LO