

Process	Generator + Parton Shower	Cross section, σ_{norm} (pb)	Order of σ_{norm} approximation
$t\bar{t}$	POWHEG + PYTHIA 8	69.5	NNLO+NNLL [28,29]
t channel	POWHEG + PYTHIA 8	30.3	Approximate NNLO [37]
tW	POWHEG + PYTHIA 8	6.54	Approximate NNLO [38]
W +jets	MADGRAPH5_aMC@NLO + PYTHIA 8	21159	NNLO[QCD]+NLO[EW] [39]
Drell-Yan	MADGRAPH5_aMC@NLO + PYTHIA 8	3647	NNLO[QCD]+NLO[EW] [39]