

Process	Cross section normalization	Event generator	Perturbative order
$t\bar{t}$ , single $t$	NNLO+NNLL	POWHEG v2	NLO
$tW$	NNLO	POWHEG v1/v2	NLO
$t\bar{t}H$	NLO	POWHEG v2	NLO
Drell–Yan	NNLO	MADGRAPH5_aMC@NLO	LO
$t\bar{t}Z, t\bar{t}W, tZq, t\bar{t}\gamma^{(*)},$ $VVV, VV$	NLO	MADGRAPH5_aMC@NLO	NLO
$tHW, tHq$	NLO	MADGRAPH5_aMC@NLO	LO
$tWZ$	LO	MADGRAPH5_aMC@NLO	LO