

Process	Cross section normalization	Event generator	Perturbative order	NNPDF version
$t\bar{t}Z, tZq, t\bar{t}W, WZ, Z+\text{jets}, VVV, t\bar{t}\gamma^{(*)}, W\gamma^{(*)}, Z\gamma^{(*)}$	NLO	MADGRAPH5_aMC@NLO v2.2.3 (v2.4.2)	NLO	3.0 NLO (3.1 NNLO)
$gg \rightarrow ZZ$	NLO [33]	MCFM v7.0.1 [34] JHUGEN v7.0.11 [35]	LO	3.0 LO (3.1LO)
$q\bar{q} \rightarrow ZZ$	NNLO [36]	POWHEG v2 [37, 38]	NLO	3.0 NLO (3.1 NNLO)
WH, ZH	NLO	POWHEG v2 MINLO HVJ [39] JHUGEN v7.0.11 [35]	NLO	3.0 NLO (3.1 NNLO)
VBF H	NLO	POWHEG v2	NLO	3.0 NLO (3.1 NNLO)
$t\bar{t}H$	NLO	POWHEG v2 [40]	NLO	3.0 NLO (3.1 NNLO)
$t\bar{t}$	NNLO+NNLL [41]	POWHEG v2	NLO	3.0 NLO (3.1 NNLO)
$t\bar{t}VV, tHW, tHq, tWZ$	LO	MADGRAPH5_aMC@NLO	LO	3.0 LO (3.1 NNLO)