

Process	Generator		PDF set		Tune	Order
	ME	PS	ME	PS		
$tt(qH)$ Signal	POWHEG-BOX	PYTHIA 8	NNPDF30NLO	NNPDF23LO	A14	NLO
tH Signal	MADGRAPH5_aMC@NLO	PYTHIA 8	NNPDF30NLO	NNPDF23LO	A14	NLO
W/Z +jets	SHERPA 2.2.1		NNPDF30NNLO		SHERPA	NLO/LO
$t\bar{t}$	POWHEG-BOX	PYTHIA 8	NNPDF30NLO	NNPDF23LO	A14	NLO
Single top	POWHEG-BOX	PYTHIA 8	NNPDF30NLO	NNPDF23LO	A14	NLO
$t\bar{t}X$	MADGRAPH5_aMC@NLO	PYTHIA 8	NNPDF30NLO	NNPDF23LO	A14	NLO
VH	POWHEG-BOX	PYTHIA 8	PDF4LHC15	CTEQ6L1	AZNLO	NLO
tH	MADGRAPH5_aMC@NLO	PYTHIA 8	CT10PDF		A14	NLO
Diboson	SHERPA 2.2.1		NNPDF30NNLO		SHERPA	NLO/LO