

Physics process	Generator	Parton shower	Cross-section normalisation	PDF set	Tune
SUSY Signals	MG5_AMC@NLO 2.6.2	PYTHIA 8.212	NNLO+NNLL	NNPDF2.3LO	A14
$t\bar{t}Z/\gamma^*, t\bar{t}W$	MG5_AMC@NLO 2.3.3	PYTHIA 8.210	NLO	NNPDF2.3LO	A14
Diboson	SHERPA 2.2.2	SHERPA 2.2.2	Generator NLO	NNPDF3.0NNLO	SHERPA default
$t\bar{t}$	POWHEG-Box v2	PYTHIA 8.230	NNLO+NNLL	NNPDF3.0NLO	A14
$t\bar{t}h$	POWHEG-Box v2	PYTHIA 8.230	NLO	NNPDF2.3LO	A14
Single-top, Wt	POWHEG-Box v2	PYTHIA 8.230	NNLO+NNLL	NNPDF3.0NLO	A14
Wh, Zh	PYTHIA 8.186	PYTHIA 8.186	NLO	NNPDF2.3LO	A14
$t\bar{t}WW, t\bar{t}t\bar{t}$	MG5_AMC@NLO 2.2.2	PYTHIA 8.186	NLO	NNPDF2.3LO	A14
$t\bar{t}t$	MG5_AMC@NLO 2.2.2	PYTHIA 8.186	Generator LO	NNPDF2.3LO	A14
tZ	MG5_AMC@NLO 2.3.3	PYTHIA 8.186	Generator LO	NNPDF2.3LO	A14
tWZ	MG5_AMC@NLO 2.3.3	PYTHIA 8.212	Generator NLO	NNPDF2.3LO	A14
Triboson	SHERPA 2.2.2	SHERPA 2.2.2	Generator NLO	NNPDF3.0NNLO	SHERPA default