

Process	Generator + PS	Cross section, $\sigma_{\text{norm}}$ (pb)	Order of $\sigma_{\text{norm}}$ approximation
$t$ channel	POWHEG + PYTHIA8	$30.3 \pm 0.6$	NNLO [45]
$t\bar{t}$	POWHEG + PYTHIA8	$69.5 \pm 3.6$	NNLO + NNLL [47,48]
$tW$	POWHEG + PYTHIA8	$6.54 \pm 0.36$	Approximate NNLO [49]
$s$ channel	POWHEG + PYTHIA8	$2.74 \pm 0.07$	NNLO [51]
$W$ +jets	MADGRAPH5_aMC@NLO + PYTHIA8	$21\,160 \pm 330$	NNLO [QCD] + NLO [EW] [50]
DY+jets	MADGRAPH5_aMC@NLO + PYTHIA8	$3\,647 \pm 63$	NNLO [QCD] + NLO [EW] [50]