

	$t\bar{t}$ NLO (5FS)	$t\bar{t}b\bar{b}$ NLO (4FS)
ME generator	POWHEG v2	POWHEG-BOX-RES
Parton shower	PYTHIA v8.230	PYTHIA v8.230
Flavor scheme	5FS	4FS
PDF set	NNPDF31_nnlo_hessian_pdfas	NNPDF31_nnlo_as_0118_nf_4
m_t	172.5 GeV	172.5 GeV
m_b	0	4.75 GeV
μ_R	$\sqrt{\frac{1}{2} \left(m_{T,t}^2 + m_{T,\bar{t}}^2 \right)}$	$\frac{1}{2} \sqrt[4]{m_{T,t} \cdot m_{T,\bar{t}} \cdot m_{T,b} \cdot m_{T,\bar{b}}}$
μ_F	μ_R	$\frac{1}{4} \left[m_{T,t} + m_{T,\bar{t}} + m_{T,b} + m_{T,\bar{b}} + m_{T,g} \right]$
h_{damp}	$1.379 m_t$	$1.379 m_t$
Tune	CP5	CP5