

PW+PY8 simulation setups

Parameter	CUETP8M2T4	Extreme variations		Fine grain variations							
		no MPI	no CR	MPI/CR	Parton shower scale		CR including $t\bar{t}$				
				UE up/down	ISR up/down	FSR up/down	ERD on	QCD based [? ]	Gluon move [? ]	Rope (no CR) [? ? ]	
PartonLevel MPI	on	off									
SpaceShower renormMultFac alphaSvalue	1.0 0.1108				4/0.25						
TimeShower renormMultFac alphaSvalue	1.0 0.1365					4/0.25					
MultipartonInteractions pT0Ref ecmPow expPow	2.2 0.2521 1.6			2.20/2.128  1.711/1.562				2.174 0.2521 1.312	2.3  1.35		
ColorReconnection reconnect range mode junctionCorrection timeDilationPar m0 flipMode m2Lambda fracGluon dLambdaCut	on 6.59 0		off	6.5/8.7				1 0.1222 15.86 1.204	2  0 1.89 1 0		(off)
PartonVertex setVertex											on
Ropewalk RopeHadronization doShoving doFlavour											on on on
PartonLevel earlyResDec	off						on	on	on		on