

Parameter description	Name in PYTHIA 8	Range considered
MPI cutoff, p_{T0}^{ref} , at $\sqrt{s} = \sqrt{s_0}$	MultipartonInteractions:pT0Ref	1.0 – 3.0
Exponent of \sqrt{s} dependence, ϵ	MultipartonInteractions:ecmPow	0.0 – 0.3
Matter fraction contained in the core	MultipartonInteractions:coreFraction	0.1 – 0.95
Radius of the core	MultipartonInteractions:coreRadius	0.1 – 0.8
Range of color reconnection probability	ColorReconnection:range	1.0 – 9.0