

PYTHIA8 parameter	CP1	CP2
PDF Set	NNPDF3.1 LO	NNPDF3.1 LO
$\alpha_S(m_Z)$	0.130	0.130
SpaceShower:rapidityOrder	off	off
MultipartonInteractions:EcmRef [GeV]	7000	7000
$\alpha_S^{\text{ISR}}(m_Z)$ value/order	0.1365/LO	0.130/LO
$\alpha_S^{\text{FSR}}(m_Z)$ value/order	0.1365/LO	0.130/LO
$\alpha_S^{\text{MPI}}(m_Z)$ value/order	0.130/LO	0.130/LO
$\alpha_S^{\text{ME}}(m_Z)$ value/order	0.130/LO	0.130/LO
MultipartonInteractions:pT0Ref [GeV]	2.4	2.3
MultipartonInteractions:ecmPow	0.15	0.14
MultipartonInteractions:coreRadius	0.54	0.38
MultipartonInteractions:coreFraction	0.68	0.33
ColorReconnection:range	2.63	2.32
χ^2/dof	0.89	0.54