

PYTHIA8 Parameter	Tuning Range	Tune 4C	CDPSTP8S1-4j	CDPSTP8S2-4j
PDF		CTEQ6L1	CTEQ6L1	CTEQ6L1
MultipartonInteractions:pT0Ref [GeV]	1.0–3.0	2.085	2.085*	2.125
MultipartonInteractions:ecmPow	0.0–0.4	0.19	0.19*	0.179
MultipartonInteractions:expPow	0.4–10.0	2.0	1.160	0.692
ColourReconnection:range	0.0–9.0	1.5	1.5*	6.526
MultipartonInteractions:ecmRef [GeV]	—	1800	1800*	1800*
χ^2/dof	—	—	0.751	0.428
Predicted σ_{eff} (in mb)	—	30.3	$21.3^{+1.2}_{-1.6}$	$19.0^{+4.7}_{-3.0}$

* Fixed at Tune 4C value.