

PYTHIA8 Parameter	Tuning Range	Tune 4C	CDPSTP8S1-Wj	CDPSTP8S2-Wj
PDF		CTEQ6L1	CTEQ6L1	CTEQ6L1
MultipartonInteractions:pT0Ref [GeV]	1.0–3.0	2.085	2.085*	2.501
MultipartonInteractions:ecmPow	0.0–0.4	0.19	0.19*	0.179
MultipartonInteractions:expPow	0.4–10.0	2.0	1.523	1.120
ColourReconnection:range	0.0–9.0	1.5	1.5*	2.586
MultipartonInteractions:ecmRef [GeV]	—	1800	1800*	1800*
χ^2/dof	—	—	0.118	0.09
Predicted σ_{eff} (in mb)	—	30.3	$25.9^{+2.4}_{-2.9}$	$25.8^{+8.2}_{-4.2}$

* Fixed at Tune 4C value.