

HERWIG++ Parameter	Tuning Range	UE-EE-5C	CUETHppS1
PDF	—	CTEQ6L1	CTEQ6L1
MPIHandler:Power	0.1–0.5	0.33	0.371
RemnantDecayer:colourDisrupt	0.1–0.9	0.8	0.628
MPIHandler:InvRadius [GeV <sup>2</sup> ]	0.5–2.7	2.30	2.255
ColourReconnector:ReconnectionProbability	0.1–0.9	0.49	0.528
MPIHandler:pTmin0 [GeV]	—	3.91	3.91*
MPIHandler:ReferenceScale [GeV]	—	7000	7000*
$\chi^2/\text{dof}$	—	—	0.463

\* Fixed at Tune UE-EE-5C value.