Three-jet events	
Transverse momentum of the leading jet (j_1)	$p_{T1} > 510\,\text{GeV}$
Transverse momentum of each jet and rapidity of $j_{1,2}$	$p_T > 30\,\text{GeV}$, $\lvert y_{1,2}\rvert < 2.5$
Azimuthal angle difference between j_1 and j_2	$\pi - 1 < \Delta\phi_{12} < \pi$
Transverse momentum ratio between j_2 and j_3	$0.1 < p_{T3}/p_{T2} < 0.9$
Angular distance between j_2 and j_3	$R_{\text{jet}} + 0.1 < \Delta R_{23} < 1.5$
Number of selected events at $\sqrt{s} = 8\,(13)$ TeV	777 618 (613 254)
Z + two-jet events	
Transverse momentum of the Z boson (j_1)	$p_{T1} > 80\,\text{GeV}$, $\lvert y_1\rvert < 2$
Transverse momentum and rapidity of j_2	$p_{T2} > 80\,\text{GeV}$, $\lvert y_2\rvert < 1$
Transverse momentum and rapidity of j_3	$p_{T3} > 20\,\text{GeV}$, $\lvert y_3\rvert < 2.4$
Azimuthal angle difference between Z and j_2	$2 < \lvert\Delta\phi_{12}\rvert < \pi$
Dimuon mass	$70 < m_{\mu^+\mu^-} < 110\,\text{GeV}$
Angular distance between j_3 and j_2	$0.5 < \Delta R_{23} < 1.5$
Number of selected events	15 466