

β	fraction of transverse momentum of charged particles associated to the primary vertex, defined as $\frac{\sum_{i \in LV} p_{Ti}}{\sum_i p_{Ti}}$ where i iterates over all the PF particles in the jet
$n_{vertices}$	number of vertices in the event
$\langle \Delta R^2 \rangle$	p_T^2 average weighted by square distance of jet constituents from the jet axis : $\frac{\sum_i \Delta R^2 p_{Ti}^2}{\sum_i p_{Ti}^2}$
f_{ringX} , $X = 1, 2, 3,$ and 4	fraction of p_T of the constituents ($\sum p_{Ti} / p_T^{jet}$) in the region $R_i < \Delta R < R_{i+1}$ around the jet axis, where $R_i = 0, 0.1, 0.2,$ and 0.3 for $X=1, 2, 3,$ and 4
p_T^{lead} / p_T^{jet}	transverse momentum fraction carried by the leading PF candidate
$p_T^{l.ch.} / p_T^{jet}$	transverse momentum fraction carried by the leading charged PF candidate
$ \vec{m} $	pull magnitude, defined as $ (\sum_i p_T^i r_i \vec{r}_i) / p_T^{jet}$ where \vec{r}_i is the direction of the particle i from the direction of the jet
N_{total}	number of PF candidates
$N_{charged}$	number of charged PF candidates
σ_1	major axis of the jet ellipsoid in the η - ϕ space
σ_2	minor axis of the jet ellipsoid in the η - ϕ space
p_T^D	jet fragmentation p_T distribution, defined as $\sqrt{\sum_i p_{Ti}^2 / \sum_i p_{Ti}}$