

Variable	Selection	Purpose
recoil	≥ 200 GeV	Signal purity
H_T^{miss}	≥ 200 GeV	Signal purity
p_{T,j_1}	> 80 GeV	Signal purity
$\frac{H_T^{\text{miss}}}{\text{recoil}}$	< 1.2	Event quality
$\Delta\phi(\text{recoil}, H_T^{\text{miss}})$	< 0.5 rad	Event quality
$ \eta_1 , \eta_2 $	< 2.4	Analysis orthogonalisation