Variable	$t\bar{t}$	Z+LF	Z+HF
V Decay Category			
$p_T(j_1)$	> 60	> 60	> 60
$p_T(j_2)$	> 35	> 35	> 35
$p_T(jj)$	> 120	> 120	> 120
E_T^{miss}	> 170	> 170	> 170
$\Delta\phi(V,H)$	> 2	> 2	> 2
$N_{a\ell}$	≥ 1	$= 0$	$= 0$
N_{aj}	≥ 2	≤ 1	≤ 1
$M(jj)$	$-$	$-$	$\notin [60-160]$
$CMVA_{max}$	> 0.4432	< 0.4432	> 0.9432
$CMVA_{min}$	> -0.5884	> -0.5884	> -0.5884
$\Delta\phi(j, E_T^{miss})$	$-$	> 0.5	> 0.5
$\Delta\phi(E_T^{miss}, E_{T\,trk}^{miss})$	$-$	< 0.5	< 0.5
$\min \Delta\phi(j, E_T^{miss})$	$< \pi/2$	$-$	$-$