

Variable	Selection
Leading two AK8 jets	$p_T > 300 \text{ GeV}$ and $ \eta < 2.4$
$ \Delta\eta $	< 1.3
Sub-leading AK8 jet soft-drop mass	$110 < m_{SD} < 140 \text{ GeV}$
m_{HH}	$> 750 \text{ GeV}$