

Selection	Description
Trigger	$H_T > 800$ or 900/1050/1050 GeV
Loose lepton count	=0
Tight lepton count	=0
AK8 jet threshold	$p_T > 300$ GeV
AK8 jet count	=2
Leading AK8 jet	$p_T > 550$ GeV
H \rightarrow $b\bar{b}$ candidate	max $X \rightarrow b\bar{b}$ score AK8 jet $X \rightarrow b\bar{b}$ score > 0.8
Boosted $V \rightarrow qq$ candidate	other AK8 jet $X \rightarrow qq$ score $> 0.637/0.579/0.59$
AK4 jet for $V \rightarrow qq$ criteria	$p_T > 20$ GeV, $ \eta < 2.5$
AK4 jet for $V \rightarrow qq$ count	≥ 2
Resolved $V \rightarrow qq$ candidate	min ΔR
AK4 jet count for VBS	≥ 2
VBS jet candidates	max $ \Delta\eta_{jj} $