

HLT selection	Rate (Hz)	Year	Target signal	Acronym
Four AK4 jets $p_T > 70, 50, 40, 35$ GeV, 2 b-jets	60	2022		
Four AK4 jets $p_T > 30$ GeV, $H_T > 280$ GeV, 2 b-jets	115	2023	HH \rightarrow 4b, $t\bar{t}H \rightarrow b\bar{b}$	AK4: 4j2b
Four AK4 jets $p_T > 25$ GeV, $H_T > 250$ GeV, 2 b-jets	170	2024		
Four AK4 jets $p_T > 100, 88, 70, 30$ GeV, 1 c-jet $m_{jj} > 450$ GeV, $ \Delta\eta_{jj} > 3.5$	15	2023–24	VBF H $\rightarrow c\bar{c}$	AK4: VBF-4j1c
One AK8 jet $p_T > 250$ GeV, $m_{SD} > 40$ GeV, 1 X $\rightarrow b\bar{b}$ jet	47	2022		
One AK8 jet $p_T > 230$ GeV, $m_{SD} > 40$ GeV, 1 X $\rightarrow b\bar{b}$ jet	17	2023–24	Merged H $\rightarrow b\bar{b}$	AK8: 1jX _{bb}