

Ref.	Channel	Final state	$\ell$	$\tau_h$	AK8 jets	AK8 jet mass	AK4 b jets
[1]	WW, WZ, ZZ	$q\bar{q}q\bar{q}$	veto	—	2	$2 [m_W, m_Z]$	—
[2]	WZ, ZZ	$\nu\nu q\bar{q}$	veto	veto	1	$m_V$	veto
[3]	WW, WZ	$l\nu q\bar{q}$	1	—	1	$m_j$ shape / $[m_W, m_Z]$	veto
[4]	WZ, ZZ	$ll q\bar{q}$	2	—	1	$m_V$	—
[5]	ZZ	$ll\nu\nu$	2	—	—	—	—
[6]	WH, ZH	$q\bar{q}b\bar{b}$	veto	veto	2	$[m_W, m_Z], m_H$	—
[7]	ZH	$\nu\nu b\bar{b}$	0	veto	1	$m_H$	veto
[7]	WH	$l\nu b\bar{b}$	1	veto	1	$m_H$	veto
[7]	ZH	$ll b\bar{b}$	2	veto	1	$m_H$	—
[8]	WH, ZH	$q\bar{q}\tau\tau$	—	2	1	$[m_W, m_Z]$	veto
[8]	HH	$\tau\tau b\bar{b}$	—	2	1	$m_H$	veto
[9]	HH	$b\bar{b}b\bar{b}$	—	—	2	$2 m_H$	—
[10]	HH	$b\bar{b}b\bar{b}$	—	—	1	$m_H$	2
[19]		$l\nu$	1	—	—	—	—
[20]		$ll$	2	—	—	—	—