

Decay channels	Leptons	Photons	Jets	b jets	Category
$H \rightarrow WW, ZZ, \tau\tau$ & $W \rightarrow l\nu$	$eee, ee\mu, e\mu\mu, \mu\mu\mu$	—	≥ 2	—	trilepton
$H \rightarrow WW, ZZ, \tau\tau$ & $W \rightarrow l\nu$	$e^\pm e^\pm, e^\pm \mu^\pm, \mu^\pm \mu^\pm$	—	≥ 2	—	dilepton SS
$H \rightarrow \gamma\gamma$ & $W \rightarrow l\nu$	e^\pm, μ^\pm	≥ 2	≥ 2	=1	diphoton + lepton
$H \rightarrow \gamma\gamma$ & $W \rightarrow q_1 q_2$	—	≥ 2	≥ 4	=1	diphoton + hadron
$H \rightarrow b\bar{b}$ & $W \rightarrow l\nu$	e^\pm, μ^\pm	—	≥ 4	≥ 3	b jet + lepton