

Decay channel	Final state or category	Reference
$h \rightarrow bb$	AK8 jet (Z' -2HDM)	[30]
	CA15 jet (Baryonic Z')	[31]
$h \rightarrow \gamma\gamma$	$p_T^{\text{miss}} \in 50\text{--}130 \text{ GeV}$	[32]
	$p_T^{\text{miss}} > 130 \text{ GeV}$	[32]
	$\tau_h \tau_h$	[32]
$h \rightarrow \tau\tau$	$\mu\tau_h$	[32]
	$e\tau_h$	[32]
$h \rightarrow WW$	$e\nu\mu\nu$	—
	$4e$	—
$h \rightarrow ZZ$	4μ	—
	$2e2\mu$	—