

Decay mode	Signatures for $m_{H^+} < m_t - m_b$	Signatures for $m_{H^+} > m_t - m_b$
	$pp \rightarrow t\bar{t} \rightarrow bH^+\bar{b}H^- / bH^+\bar{b}W^-$	$pp \rightarrow \bar{t}(b)H^+$
$H^+ \rightarrow \tau^+ \nu_\tau$	$\tau_h + \text{jets}^{(5)}$	$\tau_h + \text{jets}^{(5)}, \mu\tau_h^{(6)}, \ell\ell'^{(7)}$
$H^+ \rightarrow t\bar{b}$	—	$\mu\tau_h^{(6)}, \ell\ell'^{(7)}, \ell + \text{jets}^{(8)}$