

Class	Operator	Wilson coefficient
$\mathcal{L}_6^{(4)} - X^2 H^2$ (CP-even)	$H^\dagger H W_{\mu\nu}^i W^{i\mu\nu}$	c_{HW}
	$H^\dagger H W_{\mu\nu}^i B^{i\mu\nu}$	c_{HWB}
	$H^\dagger H B_{\mu\nu} B^{\mu\nu}$	c_{HB}
	$H^\dagger H G_{\mu\nu}^a G^{a\mu\nu}$	c_{HG}
$\mathcal{L}_6^{(4)} - X^2 H^2$ (CP-odd)	$H^\dagger H \tilde{W}_{\mu\nu}^i W^{i\mu\nu}$	$c_{\text{H}\tilde{\text{W}}}$
	$H^\dagger H \tilde{W}_{\mu\nu}^i B^{i\mu\nu}$	$c_{\text{H}\tilde{\text{W}}\text{B}}$
	$H^\dagger H \tilde{B}_{\mu\nu} B^{\mu\nu}$	$c_{\text{H}\tilde{\text{B}}}$
	$H^\dagger H \tilde{G}_{\mu\nu}^a G^{a\mu\nu}$	$c_{\text{H}\tilde{\text{G}}}$
$\mathcal{L}_6^{(3)} - H^4 D^2$	$(H^\dagger H) \square (H^\dagger H)$	$c_{\text{H}\square}$
	$(D^\mu H^\dagger H) (H^\dagger D_\mu H)$	c_{HD}
$\mathcal{L}_6^{(7)} - \psi^2 H^2 D$	$(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{u}_p \gamma^\mu u_r)$	c_{Hu}
	$(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{d}_p \gamma^\mu d_r)$	c_{Hd}
	$(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{q}_p \gamma^\mu q_r)$	c_{Hj1}
	$(H^\dagger i \overleftrightarrow{D}_\mu^i H) (\bar{q}_p \sigma^i \gamma^\mu q_r)$	c_{Hj3}