

Higgs - self interactions

$H^0 \rightarrow H^0 + H^0$
 $= -6i\lambda v$
 comb. factor = $\frac{1}{6}$

$H^0 \rightarrow \phi^0 + \phi^0$
 $= -2i\lambda v$
 comb. factor = $\frac{1}{2}$

$H^0 \rightarrow \phi^+ + \phi^-$
 $= -2i\lambda v$
 comb. factor = 1

$H^0 + H^0 \rightarrow H^0 + H^0$
 $= -6i\lambda$
 comb. factor = $\frac{1}{24}$

$H^0 + H^0 \rightarrow \phi^0 + \phi^0$
 $= -2i\lambda$
 comb. factor = $\frac{1}{4}$

$H^0 + H^0 \rightarrow \phi^+ + \phi^-$
 $= -2i\lambda$
 comb. factor = $\frac{1}{2}$

$\phi^0 + \phi^0 \rightarrow \phi^0 + \phi^0$
 $= -6i\lambda$
 comb. factor = $\frac{1}{24}$

$\phi^0 + \phi^0 \rightarrow \phi^+ + \phi^-$
 $= -2i\lambda$
 comb. factor = $\frac{1}{2}$

$\phi^+ + \phi^+ \rightarrow \phi^+ + \phi^-$
 $= -4i\lambda$
 comb. factor = $\frac{1}{4}$