\[ M^H \text{[GeV]} \]

\begin{align*}
\text{BR [pb]} \times \sigma &\approx 10^{-4} \\
&\approx 10^{-3} \\
&\approx 10^{-2} \\
&\approx 10^{-1} \\
&\approx 10 \\
&\approx 10^1 \\
&\approx 10^2 \\
&\approx 10^3 \\
&\approx 10^4 \\
\end{align*}

\[ \text{LHC Higgs XS WG 2012} \]

\[ s = 8 \text{ TeV} \]

\[ \text{\texttt{h}} = \text{\texttt{b}} \]

\[ \text{\texttt{h}} = \text{\texttt{e}} \]

\[ \text{\texttt{h}} = \text{\texttt{\nu}} \]

\[ \text{\texttt{b}} \text{\texttt{\nu}} = \text{\texttt{\nu}} \text{\texttt{q}} = \text{\texttt{udscb}} \]

\[ \text{\texttt{b}} \text{\texttt{b}} \text{\texttt{\nu}} \rightarrow \text{\texttt{WH}} \]

\[ \text{\texttt{b}} \text{\texttt{b}} \text{\texttt{\nu}} \rightarrow \text{\texttt{ZH}} \]

\[ \text{\texttt{b}} \text{\texttt{ttb}} \rightarrow \text{\texttt{ttH}} \]

\[ \text{\texttt{VBF H}} \]

\[ \gamma \gamma \]

\[ \text{\texttt{q}} \text{\texttt{q}} \text{\texttt{\nu}} \rightarrow \text{\texttt{WW}} \]

\[ \text{\texttt{q}} \text{\texttt{q}} \text{\texttt{\nu}} \rightarrow \text{\texttt{ZZ}} \]

\[ \text{\texttt{ZZ}} \]

\[ \text{\texttt{WW}} \]

\[ \text{\texttt{ZZ}} \]