

Figure 1: A horizontal stacked bar chart showing the distribution of signal fractions for different expected event counts. The x-axis is labeled 'signal fraction' and ranges from 0 to 1. The y-axis lists eight expected event counts: 0.97, 1.17, 0.71, 6.81, 1.68, 13.16, 39.93, and 182.93. Each bar is composed of segments of different colors representing different signal fractions. The distribution becomes more concentrated at higher signal fractions as the expected event count increases.

- ggH
- VBF
- WH, $W \rightarrow X$
- WH, $W \rightarrow l\nu$
- ZH, $Z \rightarrow X$
- ZH, $Z \rightarrow \nu\nu$
- ZH, $Z \rightarrow 2l$
- $t\bar{t}H$, $t\bar{t} \rightarrow 0l + X$
- $t\bar{t}H$, $t\bar{t} \rightarrow 1l + X$
- $t\bar{t}H$, $t\bar{t} \rightarrow 2l + X$