

Figure 1 is a stacked bar chart showing the signal fraction of various production and decay channels for the Higgs boson. The x-axis represents the signal fraction from 0 to 1. The y-axis lists eight channels with their expected event counts. The legend identifies the channels by color: ggH (blue), VBF (orange), WH, W to X (green), WH, W to l nu (red), ZH, Z to X (purple), ZH, Z to nu nu (brown), ZH, Z to 2l (pink), ttH, tt to 0l + X (grey), ttH, tt to 1l + X (dark grey), and ttH, tt to 2l + X (black).

Channel	Expected Events	Signal Fraction (approx.)
ggH	0.97	0.45
VBF	1.17	0.05
WH, W to X	0.71	0.02
WH, W to l nu	5.45	0.60
ZH, Z to X	1.68	0.02
ZH, Z to nu nu	9.38	0.01
ZH, Z to 2l	66.94	0.05
ttH, tt to 0l + X	161.07	0.95
ttH, tt to 1l + X		0.02
ttH, tt to 2l + X		0.01