

Events / 6 GeV

ATLAS

$H \rightarrow ZZ^* \rightarrow 4l$

$\sqrt{s} = 7 \text{ TeV} \quad \int \mathcal{L} dt = 4.5 \text{ fb}^{-1}$

$\sqrt{s} = 8 \text{ TeV} \quad \int \mathcal{L} dt = 20.3 \text{ fb}^{-1}$

$N_{\text{jets}} \geq 2$

$m_H = 125 \text{ GeV}$

● Data

■ ggF

■ VBF

■ Background ZZ^* , Z+jets

--- WH ($\times 50$)

— ZH ($\times 50$)

6

4

2

0

$m_{jj} [\text{GeV}]$

