

Events / 0.75

**ATLAS**

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

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

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

$120 < m_{4l} < 130 \text{ GeV}$

● Data

Signal ( $m_H = 125 \text{ GeV} \quad \mu = 1.51$ )

Background  $ZZ^*$

Background Z+jets,  $t\bar{t}$

Systematic uncertainty

