

Local p_0

ATLAS Preliminary

$\int \mathcal{L} dt = 4.6 \text{ fb}^{-1}$, $\sqrt{s} = 7 \text{ TeV}$

$\int \mathcal{L} dt = 13.0 \text{ fb}^{-1}$, $\sqrt{s} = 8 \text{ TeV}$

— Observed $H \rightarrow \tau\tau$

- - - Expected for SM Higgs Boson

⋯ Expected for SM Higgs Boson at $m_H = 125 \text{ GeV}$

10

1

10^{-1}

10^{-2}

100

110

120

130

140

150

$m_H [\text{GeV}]$

0σ

1σ

2σ