

CMS

Simulation

ggH powheg15 JHUgen 125 GeV

$60.0 < p_{T4l} < 200.0$

$N_{\text{fid.}}^{\text{fit}} = 2429 \text{ (2436)}$

$N_{\text{other fid.}}^{\text{fit}} = 37 \text{ (36)}$

$N_{\text{not fid.}}^{\text{fit}} = 117 \text{ (117)}$

$N_{\text{wrong comb.}}^{\text{fit}} = 5 \text{ (3)}$

$N_{\text{fiducial}}^{\text{gen}} = 2921$

$\text{eff}^{\text{MC}} = 0.834 \pm 0.007$

$\sigma = 1.359 \text{ GeV}$

700

600

500

400

300

200

100

0

105

110

115

120

125

130

135

140

$m_{4\mu} \text{ (GeV)}$

