

CMS

Simulation

ggH powheg15 JHUgen 125 GeV

$28.0 < \text{mass}_{Z2} < 35.0$

$N_{\text{fid.}}^{\text{fit}} = 3457 \text{ (3470)}$

$N_{\text{other fid.}}^{\text{fit}} = 196 \text{ (197)}$

$N_{\text{not fid.}}^{\text{fit}} = 148 \text{ (146)}$

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

$N_{\text{fiducial}}^{\text{gen}} = 4460$

$\text{eff}^{\text{MC}} = 0.778 \pm 0.006$

$\sigma = 1.362 \text{ GeV}$

1000

800

600

400

200

0

105

110

115

120

125

130

135

140

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

