

mass spectrum

CMS
Simulation

ggH powheg JHUGen 125 GeV

$0.15 < \text{abs(rapidity4l)} < 0.3$

eff. = 0.798 ± 0.006

acc. = 0.047 ± 0.001

mean = 124.799 GeV

$\sigma = 1.129$ GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha 2 = 1.943$

$n 2 = 2.575$

$\mu_{\text{land.}} = 135.372$

$\sigma_{\text{land.}} = 96.104$

$\chi^2/\text{dof} = 5.228$

105 110 115 120 125 130 135 140
 $m_{4\mu}$ (GeV)

