

# mass spectrum

**CMS**  
*Simulation*

ggH powheg JHUGen 125 GeV

$45 < pT4l < 80$

eff. =  $0.781 \pm 0.004$

acc. =  $0.075 \pm 0.001$

mean = 124.799 GeV

$\sigma = 1.129$  GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha2 = 1.943$

$n2 = 2.575$

$\mu_{\text{land.}} = 135.010$

$\sigma_{\text{land.}} = 87.213$

$\chi^2/\text{dof} = 1.772$

