

# mass spectrum

**CMS**  
*Simulation*

ggH powheg JHUGen 125 GeV

$0.9 < \text{abs}(\text{rapidity}_4) < 1.2$

eff. =  $0.006 \pm 0.001$

acc. =  $0.084 \pm 0.001$

mean = 124.799 GeV

$\sigma = 1.129$  GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha_2 = 1.943$

$n_2 = 2.575$

$\mu_{\text{land.}} = 135.000$

$\sigma_{\text{land.}} = 127.034$

$\chi^2/\text{dof} = 4.927$

