

# mass spectrum

**CMS**  
*Simulation*

ggH powheg JHUGen 125 GeV

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

eff. =  $0.544 \pm 0.004$

acc. =  $0.064 \pm 0.001$

mean = 124.772 GeV

$\sigma = 1.422$  GeV

$\alpha = 0.928$

$n = 3.181$

$\alpha_2 = 1.567$

$n_2 = 3.983$

$\mu_{\text{land.}} = 135.004$

$\sigma_{\text{land.}} = 86.506$

$\chi^2/\text{dof} = 22.657$

