

# mass spectrum

**CMS**

*Simulation*

ggH powheg JHUGen  $\sqrt{s}=25$  GeV

$15 < p_{T4l} < 30$

eff. =  $0.029 \pm 0.002$

acc. =  $0.106 \pm 0.001$

mean = 124.799 GeV

$\sigma = 1.129$  GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha_2 = 1.943$

$n_2 = 2.575$

$\mu_{\text{land.}} = 214.920$

$\sigma_{\text{land.}} = 319.431$

$\chi^2/\text{dof} = 2.048$

