

# mass spectrum

**CMS**  
*Simulation*

VBF powheg JHUgen 125 GeV

$120 < pT4l < 200$

eff. =  $0.789 \pm 0.005$

acc. =  $0.098 \pm 0.001$

mean = 124.799 GeV

$\sigma = 1.129$  GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha2 = 1.943$

$n2 = 2.575$

$\mu_{\text{land.}} = 135.003$

$\sigma_{\text{land.}} = 7.774$

$\chi^2/\text{dof} = 3.325$

