

# mass spectrum

**CMS**  
*Simulation*

VBF powheg JHUgen 125 GeV

$0.6 < \text{abs}(\text{rapidity}_4) < 0.9$

eff. =  $0.589 \pm 0.005$

acc. =  $0.080 \pm 0.001$

mean = 124.772 GeV

$\sigma = 1.422$  GeV

$\alpha = 0.928$

$n = 3.181$

$\alpha_2 = 1.567$

$n_2 = 3.983$

$\mu_{\text{land.}} = 135.273$

$\sigma_{\text{land.}} = 128.435$

$\chi^2/\text{dof} = 10.870$

