

# mass spectrum

**CMS**  
*Simulation*

VBF powheg JHUgen 125 GeV

$30.0 < p_{t\_leadingjet\_pt30\_eta2p5} < 55.0$

eff. =  $0.490 \pm 0.007$

acc. =  $0.090 \pm 0.001$

mean = 124.799 GeV

$\sigma = 1.129$  GeV

$\alpha = 1.257$

$n = 2.037$

$\alpha_2 = 1.943$

$n_2 = 2.575$

$\mu_{\text{land.}} = 165.128$

$\sigma_{\text{land.}} = 386.994$

$\chi^2/\text{dof} = 1.234$

