

# mass spectrum

**CMS**  
*Simulation*

VBF powheg JHUgen 125 GeV

$-2.0 < \text{pt\_leadingjet\_pt30\_eta2p5} < 30.0$

$\text{eff.} = 0.541 \pm 0.004$

$\text{acc.} = 0.134 \pm 0.001$

$\text{mean} = 124.772 \text{ GeV}$

$\sigma = 1.422 \text{ GeV}$

$\alpha = 0.928$

$n = 3.181$

$\alpha_2 = 1.567$

$n_2 = 3.983$

$\mu_{\text{land.}} = 135.000$

$\sigma_{\text{land.}} = 66.436$

$\chi^2/\text{dof} = 17.316$

