

# mass spectrum

**CMS**  
*Simulation*

ggH powheg JHUGen 125 GeV  
-2.0 < pt\_leadingjet\_pt30\_eta2p5 < 30.0  
eff. =  $0.132 \pm 0.003$   
acc. =  $0.062 \pm 0.001$   
mean = 124.772 GeV  
 $\sigma = 1.422$  GeV  
 $\alpha = 0.928$   
n = 3.181  
 $\alpha_2 = 1.567$   
n2 = 3.983  
 $\mu_{\text{land.}} = 147.656$   
 $\sigma_{\text{land.}} = 30.000$   
 $\chi^2/\text{dof} = -0.000$

105 110 115 120 125 130 135 140  
 $m_{2e2\mu}$  (GeV)

