

Events

CMS pp Ref. $\sqrt{s_{\text{NN}}} = 5.02$ TeV

Data, PR MassFull

 $25.0 < p_{\text{T}} < 40.0$, $0.0 < y < 1.6$

Data

Fit model

CB1

CB2

Gauss

Bkg

 $N_{\text{sig}} = 14877 \pm 135$ $N_{\text{bkg}} = 2480 \pm 76$ $\text{mean} = 3.095 \pm 0.000$ $\sigma_{\text{L}} = 0.017 \pm 0.000$ $f_{\text{CB,R}} = 0.127 \pm 0.011$ $f_{\text{Gauss}} = 0.451 \pm 0.046$ $c1 = -0.361 \pm 0.037$ $N_{\text{Sig, sub}} = 14332$ $N_{\text{Bkg, sub}} = 529$ 10^5 10^4 10^3 10^2

10

5

0

-5

 $\chi^2/\text{ndf} = 1.21$ $\text{mass}_{\mu\mu}^{\text{inv}} [\text{GeV}/c^2]$

3.5

3.4

3.3

3.2

3.1

3.0

2.9

2.8

2.7

2.6