





Events per 0.025 GeV

Pb-Pb,  $\sqrt{s_{NN}} = 5.02$  TeV

$11 < p_T < 12$  GeV/c

centrality 40-50%

$2.5 < y < 4$

fitFuncCB2VWG\_pp13\_2.40\_4.70

$N_{J/\psi} = 108 \pm 13$

Mass =  $3.0944 \pm 0.0085$

$\sigma_{J/\psi} = 0.0621 \pm 0.0089$

$N_{\psi'} = 6 \pm 5$

$\chi^2/nDoF = 0.75$

$S/B_{\pm 3\sigma} = 5.98$

$S/\sqrt{S+B} = 1.47$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

Background Normalization factor:  $2.753 \pm 1.503$

a1:  $2.434 \pm 0.031$

a2:  $0.046 \pm 0.073$

a3:  $1.663 \pm 0.410$

a4:  $-0.032 \pm 0.020$

—+— Raw events  
—+— Fitted  $J/\psi$  events  
—+— Fitted  $\psi(2S)$  events  
- - + - Fitted background events  
—+— Fitted  $J/\psi$   $\psi(2S)$  and background events

$m_{\mu\mu}$  (GeV/c<sup>2</sup>)



















