





Events per 0.025 GeV

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

$15 < p_T < 20$  GeV/c

centrality 0-10%

$2.5 < y < 4$

fitFuncCB2VWG\_pp13\_2.40\_4.70

$N_{J/\psi} = 214 \pm 0$

Mass =  $3.0919 \pm 0.0092$

$\sigma_{J/\psi} = 0.0742 \pm 0.0093$

$N_{\psi'} = 0 \pm 0$

$\chi^2/nDoF = 1.20$

$S/B_{\pm 3\sigma} = 0.83$

$S/\sqrt{S+B} = 1.51$

Fit Status = 4

Fit Validity : bad

Fit Cov Matrix Status = 2

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

Background Normalization factor:  $13.619 \pm 0.415$

a1:  $0.044 \pm 0.006$

a2:  $6.519 \pm 12.488$

a3:  $9.970 \pm 2.692$

a4:  $-0.096 \pm 0.017$

—+— 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>)



















