



Events per 0.025 GeV

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

$12 < p_T < 20$ GeV/c

centrality 0-10%

$3 < y < 3.5$

fitFuncCB2VWG_geant3_2.20_4.50

$N_{J/\psi} = 342 \pm 51$

Mass = 3.1110 ± 0.0106

$\sigma_{J/\psi} = 0.0939 \pm 0.0127$

$N_{\psi} = 28 \pm 27$

$\chi^2/nDoF = 1.00$

$S/B_{\pm 3\sigma} = 0.87$

$S/\sqrt{S+B} = 1.90$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.99

p1: 3.34

t2: 2.25

p1: 2.90

Background Normalization factor: 19.745 ± 3.972

a1: 2.221 ± 0.047

a2: 0.073 ± 0.160

a3: 3.533 ± 2.706

a4: -0.987 ± 2.415

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

$m_{\mu\mu}$ (GeV/c²)





