

Counts per 20 MeV/c²

$J/\psi \rightarrow \mu^+\mu^-$

$|y| < 0.8$

$p_T \in (0.34, 0.36)$ GeV/c

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

— sum

$\chi^2/\text{NDF} = 0.433$

---- J/ ψ signal

$N_{J/\psi} = 23 \pm 5$

$M_{J/\psi} = 3.099 \pm 0.006$ GeV/c²

$\sigma = 0.022$ GeV/c²

$\alpha_L = 1.43$

$n_L = 5.85$

$\alpha_R = 1.49$

$n_R = 8.38$

--- background

$\lambda = -2.08 \pm 0.22$ GeV⁻¹c²

with $m_{\mu\mu} \in (3.0, 3.2)$ GeV/c²:

$N_{\text{bkg}} = 8 \pm 1$

0

2

4

6

8

10

12

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$ (GeV/c²)

