

Counts per 24 MeV/c²

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

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

$|\eta| < 0.8$

$p_{\text{T}} \in (0.27, 0.34)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.692$

---- J/ ψ signal

$N_{J/\psi} = 106 \pm 11$

$M_{J/\psi} = 3.104 \pm 0.002$ GeV/c²

$\sigma = 0.020 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.29$

$\alpha_{\text{R}} = 1.42$

--- background

$\lambda = -2.13 \pm 0.11$ GeV⁻¹c²

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

$N_{\text{bkg}} = 27 \pm 1$

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

5.0

$m_{\mu\mu}$ (GeV/c²)

