

Counts per 17 MeV/c²

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

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

$|\eta| < 0.8$

$p_{\text{T}} \in (0.57, 1.00)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.753$

.... J/ ψ signal

$N_{J/\psi} = 133 \pm 14$

$M_{J/\psi} = 3.105 \pm 0.002$ GeV/c²

$\sigma = 0.020 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.27$

$\alpha_{\text{R}} = 1.36$

--- background

$\lambda = -1.85 \pm 0.09$ GeV⁻¹c²

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

$N_{\text{bkg}} = 83 \pm 3$

50

40

30

20

10

0

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

4.2

4.4

$m_{\mu\mu}$ (GeV/c²)

