

Counts per 18 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

$\chi^2/\text{NDF} = 0.567$

---- J/ ψ signal

$N_{J/\psi} = 134 \pm 14$

$M_{J/\psi} = 3.105 \pm 0.002$ GeV/c²

$\sigma = 0.020 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.31$

$n_{\text{L}} = 8.51$

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

$n_{\text{R}} = 10.30$

--- background

$\lambda = -1.84 \pm 0.08$ 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

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$ (GeV/c²)

