

Counts per 21 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.45, 0.66)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.697$

---- J/ ψ signal

$N_{J/\psi} = 104 \pm 12$

$M_{J/\psi} = 3.103 \pm 0.003$ GeV/c²

$\sigma = 0.021 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.25$

$\alpha_{\text{R}} = 1.50$

--- background

$\lambda = -2.14 \pm 0.07$ GeV⁻¹c²

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

$N_{\text{bkg}} = 57 \pm 2$

60
50
40
30
20
10
0

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$ (GeV/c²)

