

Counts per 30 MeV/c²

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

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

$|\eta| < 0.8$

$p_{\text{T}} \in (0.66, 1.00)$ GeV/c

ZN class: 0nXn

— sum

····· J/ψ signal

$N_{J/\psi} = 45.0 \pm 7.2$

$M_{J/\psi} = 3.103 \pm 0.004$ GeV/c²

$\sigma = 0.021$ GeV/c²

--- background

$N_{\text{bkg}} = 11.1 \pm 1.3$

$\lambda = -1.579 \pm 0.291$ GeV⁻¹c²

25

20

15

10

5

0

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

$m_{\mu\mu}$ (GeV/c²)

