

Counts per 20 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.38, 0.57)$ GeV/c

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$ (GeV/c²)

— sum

····· J/ψ signal

$N_{J/\psi} = 126 \pm 13$

$M_{J/\psi} = 3.105 \pm 0.002$ GeV/c²

$\sigma = 0.020 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.331$

$\alpha_{\text{R}} = 1.475$

$n_{\text{L}} = 7.52$

$n_{\text{R}} = 9.16$

····· background

$\lambda = -2.211 \pm 0.082$ GeV⁻¹c²

