

Counts per 30 MeV/c²

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

$|\eta| < 0.8$

$p_T \in (0.57, 1.00)$ GeV/c

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

sum

J/ψ signal

$N_{J/\psi} = 56 \pm 8$

$M_{J/\psi} = 3.101 \pm 0.004$ GeV/c²

$\sigma = 0.022 \pm 0.003$ GeV/c²

$\alpha_L = 1.427$

$\alpha_R = 1.487$

$n_L = 5.91$

$n_R = 8.42$

background

$\lambda = -1.883 \pm 0.248$ GeV⁻¹c²

30

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)

