

Counts per 20 MeV/c²

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

16

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

$|y| < 0.8$

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

sum

J/ ψ signal

$N_{J/\psi} = 8 \pm 7$

$M_{J/\psi} = 3.138 \pm 0.050$ GeV/c²

$\sigma = 0.053 \pm 0.032$ GeV/c²

$\alpha_{\text{L}} = 1.427$

$\alpha_{\text{R}} = 1.487$

$n_{\text{L}} = 5.91$

$n_{\text{R}} = 8.42$

background

$\lambda = -1.820 \pm 0.200$ GeV⁻¹c²

14

12

10

8

6

4

2

0

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

$m_{\mu\mu}$ (GeV/c²)

