

Counts per 20 MeV/c²

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

$J/\psi \rightarrow \mu^+\mu^-$
 $|y| < 0.8$
 $p_{\text{T}} \in (0.45, 0.66)$ GeV/c

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18

16

14

12

10

8

6

4

2

0

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

sum

J/ψ signal

$N_{J/\psi} = 5 \pm 7$

$M_{J/\psi} = 3.142 \pm 0.058$ GeV/c²

$\sigma = 0.100 \pm 0.055$ GeV/c²

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

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

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

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

background

$\lambda = -2.221 \pm 0.222$ GeV⁻¹c²

$m_{\mu\mu}$ (GeV/c²)

