

Counts per 16 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.20, 0.28)$ GeV/c

sum

J/ ψ signal

$N_{J/\psi} = 127 \pm 12$

$M_{J/\psi} = 3.107 \pm 0.003$ GeV/c²

$\sigma = 0.024 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.419$

$\alpha_{\text{R}} = 1.600$

$n_{\text{L}} = 5.37$

$n_{\text{R}} = 8.13$

background

$\lambda = -2.153 \pm 0.124$ GeV⁻¹c²

35
30
25
20
15
10
5
0

2.2

2.4

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

$m_{\mu\mu}$ (GeV/c²)

