

Counts per 20 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.32, 0.34)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.595$

.... J/ ψ signal

$N_{J/\psi} = 27 \pm 6$

$M_{J/\psi} = 3.104 \pm 0.005$ GeV/c²

$\sigma = 0.023$ GeV/c²

$\alpha_{\text{L}} = 1.43$

$n_{\text{L}} = 5.85$

$\alpha_{\text{R}} = 1.49$

$n_{\text{R}} = 8.38$

... background

$\lambda = -2.16 \pm 0.22$ GeV⁻¹c²

with $m_{\mu\mu} \in (3.0, 3.2)$ GeV/c²:

$N_{\text{bkg}} = 7 \pm 1$

0

2

4

6

8

10

12

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$ (GeV/c²)