

Counts per 24 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.28, 0.39)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.681$

.... J/ ψ signal

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

$M_{J/\psi} = 3.104 \pm 0.002$ GeV/c²

$\sigma = 0.019 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.29$

$n_{\text{L}} = 10.00$

$\alpha_{\text{R}} = 1.42$

$n_{\text{R}} = 10.00$

... background

$\lambda = -2.11 \pm 0.09$ GeV⁻¹c²

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

$N_{\text{bkg}} = 38 \pm 2$

60
50
40
30
20
10
0

2.5

3.0

3.5

4.0

4.5

5.0

$m_{\mu\mu}$ (GeV/c²)