

Counts per 16 MeV/c²

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

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

$|\eta| < 0.8$

$p_{\text{T}} \in (0.20, 0.27)$ GeV/c

sum

$\chi^2/\text{NDF} = 0.582$

J/ ψ signal

$N_{J/\psi} = 105 \pm 11$

$M_{J/\psi} = 3.106 \pm 0.003$ GeV/c²

$\sigma = 0.023 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.39$

$n_{\text{L}} = 6.74$

$\alpha_{\text{R}} = 1.59$

$n_{\text{R}} = 7.64$

background

$\lambda = -2.03 \pm 0.13$ GeV⁻¹c²

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

$N_{\text{bkg}} = 26 \pm 1$

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)