

Counts per 16 MeV/c²

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.39, 0.51)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.699$

- - - J/ ψ signal

$N_{J/\psi} = 87 \pm 11$

$M_{J/\psi} = 3.103 \pm 0.002$ GeV/c²

$\sigma = 0.018 \pm 0.002$ GeV/c²

$\alpha_{\text{L}} = 1.33$

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

$\alpha_{\text{R}} = 1.51$

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

- - - background

$\lambda = -2.40 \pm 0.12$ GeV⁻¹c²

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

$N_{\text{bkg}} = 33 \pm 1$

40
35
30
25
20
15
10
5
0

$m_{\mu\mu}$ (GeV/c²)

2.2
2.4
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0

