

Counts per 20 MeV/c²

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

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

$|y| < 0.8$

$p_T \in (0.48, 0.56)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.770$

---- J/ ψ signal

$N_{J/\psi} = 51 \pm 9$

$M_{J/\psi} = 3.098 \pm 0.004$ GeV/c²

$\sigma = 0.022$ GeV/c²

$\alpha_L = 1.29$

$\alpha_R = 1.45$

- - - background

$\lambda = -2.22 \pm 0.14$ GeV⁻¹c²

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

$N_{\text{bkg}} = 21 \pm 1$

