

Counts per 20 MeV/c²

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

$|y| < 0.8$

$p_T \in (0.24, 0.26)$ GeV/c

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

— sum

$\chi^2/\text{NDF} = 0.577$

---- J/ψ signal

$N_{J/\psi} = 40 \pm 7$

$M_{J/\psi} = 3.109 \pm 0.004$ GeV/c²

$\sigma = 0.021$ GeV/c²

$\alpha_L = 1.43$

$n_L = 5.85$

$\alpha_R = 1.49$

$n_R = 8.38$

--- background

$\lambda = -2.44 \pm 0.26$ GeV⁻¹c²

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

$N_{\text{bkg}} = 6 \pm 1$

