

Counts per 20 MeV/c²

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

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

$|y| < 0.8$

$p_T \in (0.38, 0.57)$ GeV/c

— sum

$\chi^2/\text{NDF} = 0.784$

---- J/ ψ signal

$N_{J/\psi} = 133 \pm 13$

$M_{J/\psi} = 3.103 \pm 0.002$ GeV/c²

$\sigma = 0.021 \pm 0.002$ GeV/c²

$\alpha_L = 1.40$

$n_L = 7.32$

$\alpha_R = 1.49$

$n_R = 8.65$

--- background

$\lambda = -2.21 \pm 0.08$ GeV⁻¹c²

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

$N_{\text{bkg}} = 57 \pm 2$

