

Counts per 20 MeV/c²

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

$|y| < 0.8$

$p_T \in (0.09, 0.10)$ GeV/c

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

— sum

$\chi^2/\text{NDF} = 0.484$

---- J/ψ signal

$N_{J/\psi} = 118 \pm 11$

$M_{J/\psi} = 3.102 \pm 0.002$ GeV/c²

$\sigma = 0.022$ GeV/c²

$\alpha_L = 1.41$

$n_L = 6.22$

$\alpha_R = 1.54$

$n_R = 8.92$

... background

$\lambda = -1.38 \pm 0.16$ GeV⁻¹c²

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

$N_{\text{bkg}} = 12 \pm 1$

