

Counts per 20 MeV/c²

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

$|y| < 0.8$

$p_T \in (0.15, 0.16)$ GeV/c

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

— sum

$\chi^2/\text{NDF} = 0.658$

.... J/ ψ signal

$N_{J/\psi} = 32 \pm 6$

$M_{J/\psi} = 3.102 \pm 0.004$ GeV/c²

$\sigma = 0.019$ GeV/c²

$\alpha_L = 1.45$

$n_L = 5.73$

$\alpha_R = 1.54$

$n_R = 9.56$

... background

$\lambda = -1.53 \pm 0.25$ GeV⁻¹c²

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

$N_{\text{bkg}} = 5 \pm 1$

