

Counts per 20 MeV/c²

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

$|y| < 0.8$

$p_T \in (0.80, 1.00) \text{ GeV}/c$

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

— sum

$\chi^2/\text{NDF} = 0.729$

.... J/ ψ signal

$N_{J/\psi} = 51 \pm 8$

$M_{J/\psi} = 3.107 \pm 0.004 \text{ GeV}/c^2$

$\sigma = 0.020 \text{ GeV}/c^2$

$\alpha_L = 1.29$

$\alpha_R = 1.45$

--- background

$\lambda = -1.74 \pm 0.11 \text{ GeV}^{-1}c^2$

with $m_{\mu\mu} \in (3.0, 3.2) \text{ GeV}/c^2$:

$N_{\text{bkg}} = 30 \pm 2$

