

Counts per 20 MeV/c<sup>2</sup>

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.38, 0.57)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.774$

---- J/ $\psi$  signal

$N_{J/\psi} = 129 \pm 13$

$M_{J/\psi} = 3.103 \pm 0.002$  GeV/c<sup>2</sup>

$\sigma = 0.021 \pm 0.002$  GeV/c<sup>2</sup>

$\alpha_{\text{L}} = 1.32$

$\alpha_{\text{R}} = 1.49$

--- background

$\lambda = -2.21 \pm 0.08$  GeV<sup>-1</sup>c<sup>2</sup>

with  $m_{\mu\mu} \in (3.0, 3.2)$  GeV/c<sup>2</sup>:

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

