

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

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.48, 0.56)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.811$

---- J/ $\psi$  signal

$N_{J/\psi} = 51 \pm 9$

$M_{J/\psi} = 3.098 \pm 0.004$  GeV/c<sup>2</sup>

$\sigma = 0.022$  GeV/c<sup>2</sup>

$\alpha_{\text{L}} = 1.40$

$n_{\text{L}} = 7.32$

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

$n_{\text{R}} = 8.65$

--- background

$\lambda = -2.24 \pm 0.14$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 21 \pm 1$

