

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

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.34, 0.45)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.551$

---- J/ $\psi$  signal

$N_{J/\psi} = 104 \pm 12$

$M_{J/\psi} = 3.106 \pm 0.003$  GeV/c<sup>2</sup>

$\sigma = 0.020 \pm 0.002$  GeV/c<sup>2</sup>

$\alpha_{\text{L}} = 1.44$

$n_{\text{L}} = 8.61$

$\alpha_{\text{R}} = 1.63$

$n_{\text{R}} = 6.36$

--- background

$\lambda = -2.19 \pm 0.10$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 41 \pm 2$

