

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

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

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

$|y| < 0.8$

$p_T \in (0.56, 0.64)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.626$

---- J/ $\psi$  signal

$N_{J/\psi} = 31 \pm 7$

$M_{J/\psi} = 3.110 \pm 0.005$  GeV/c<sup>2</sup>

$\sigma = 0.019$  GeV/c<sup>2</sup>

$\alpha_L = 1.40$

$n_L = 7.32$

$\alpha_R = 1.49$

$n_R = 8.65$

... background

$\lambda = -2.03 \pm 0.13$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 23 \pm 1$

