

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

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

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

$|y| < 0.8$

$p_{\text{T}} \in (1.60, 2.00)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.486$

---- J/ $\psi$  signal

$N_{J/\psi} = 12 \pm 4$

$M_{J/\psi} = 3.087 \pm 0.009$  GeV/c<sup>2</sup>

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

$\alpha_{\text{L}} = 1.29$

$\alpha_{\text{R}} = 1.45$

--- background

$\lambda = -1.24 \pm 0.16$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 11 \pm 1$

0

2

4

6

8

10

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu}$  (GeV/c<sup>2</sup>)

