

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

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.72, 0.80)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.547$

.... J/ψ signal

$N_{J/\psi} = 24 \pm 6$

$M_{J/\psi} = 3.107 \pm 0.005$  GeV/c<sup>2</sup>

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

$\alpha_{\text{L}} = 1.43$

$n_{\text{L}} = 5.85$

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

$n_{\text{R}} = 8.38$

--- background

$\lambda = -1.99 \pm 0.16$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 14 \pm 1$

0

2

4

6

8

10

12

14

2.5

3.0

3.5

4.0

4.5

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