

Counts per 17 MeV/c<sup>2</sup>

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.28, 0.39)$  GeV/c

— sum

$\chi^2/\text{NDF} = 0.560$

---- J/ $\psi$  signal

$N_{J/\psi} = 129 \pm 12$

$M_{J/\psi} = 3.104 \pm 0.002$  GeV/c<sup>2</sup>

$\sigma = 0.019 \pm 0.002$  GeV/c<sup>2</sup>

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

$n_{\text{L}} = 10.00$

$\alpha_{\text{R}} = 1.42$

$n_{\text{R}} = 10.00$

--- background

$\lambda = -2.23 \pm 0.11$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 36 \pm 2$

50

40

30

20

10

0

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

