

Counts per 16 MeV/c<sup>2</sup>

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

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

$|y| < 0.8$

$p_{\text{T}} \in (0.38, 0.57)$  GeV/c

50

40

30

20

10

0

— sum

$\chi^2/\text{NDF} = 0.772$

- - - J/ $\psi$  signal

$N_{J/\psi} = 132 \pm 13$

$M_{J/\psi} = 3.103 \pm 0.002$  GeV/c<sup>2</sup>

$\sigma = 0.021 \pm 0.002$  GeV/c<sup>2</sup>

$\alpha_{\text{L}} = 1.41$

$n_{\text{L}} = 7.01$

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

$n_{\text{R}} = 6.65$

- - - background

$\lambda = -2.31 \pm 0.09$  GeV<sup>-1</sup>c<sup>2</sup>

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

$N_{\text{bkg}} = 54 \pm 2$

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

