

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

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

$|y| < 0.8$

$p_T \in (0.14, 0.16) \text{ GeV}/c$

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

— sum

$\chi^2/\text{NDF} = 0.632$

---- J/ $\psi$  signal

$N_{J/\psi} = 53 \pm 8$

$M_{J/\psi} = 3.102 \pm 0.003 \text{ GeV}/c^2$

$\sigma = 0.020 \text{ GeV}/c^2$

$\alpha_L = 1.27$

$\alpha_R = 1.50$

--- background

$\lambda = -1.89 \pm 0.19 \text{ GeV}^{-1}c^2$

with  $m_{\mu\mu} \in (3.0, 3.2) \text{ GeV}/c^2$ :

$N_{\text{bkg}} = 9 \pm 1$

0

5

10

15

20

25

2.5

3.0

3.5

4.0

4.5

$m_{\mu\mu} \text{ (GeV}/c^2\text{)}$

