

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

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

$|y| < 0.8$

$p_T \in (0.28, 0.38) \text{ GeV}/c$

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

— sum

·····  $J/\psi$  signal

$N_{J/\psi} = 127 \pm 12$

$M_{J/\psi} = 3.103 \pm 0.002 \text{ GeV}/c^2$

$\sigma = 0.021 \pm 0.002 \text{ GeV}/c^2$

$\alpha_L = 1.421$

$\alpha_R = 1.486$

$n_L = 5.87$

$n_R = 8.93$

····· background

$\lambda = -2.125 \pm 0.103 \text{ GeV}^{-1}c^2$

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

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

