

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

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

$|y| < 0.8$

$p_T \in (0.39, 0.57) \text{ GeV}/c$

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

sum

$\chi^2/\text{NDF} = 0.831$

J/ $\psi$  signal

$N_{J/\psi} = 129 \pm 13$

$M_{J/\psi} = 3.102 \pm 0.002 \text{ GeV}/c^2$

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

$\alpha_L = 1.442$

$\alpha_R = 1.623$

$n_L = 6.85$

$n_R = 7.92$

background

$\lambda = -2.238 \pm 0.085 \text{ GeV}^{-1}c^2$

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

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

