

Counts per 20 MeV/c²

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

$|y| < 0.8$

$p_T \in (0.09, 0.10) \text{ GeV}/c$

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

— sum

$\chi^2/\text{NDF} = 0.484$

---- J/ψ signal

$N_{J/\psi} = 118 \pm 11$

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

$\sigma = 0.022 \text{ GeV}/c^2$

$\alpha_L = 1.41$

$n_L = 6.22$

$\alpha_R = 1.54$

$n_R = 8.92$

... background

$\lambda = -1.38 \pm 0.16 \text{ GeV}^{-1}c^2$

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

$N_{\text{bkg}} = 12 \pm 1$

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

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

