

Counts per 20 MeV/c²

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

$|y| < 0.8$

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

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

— sum

····· J/ψ signal

$N_{J/\psi} = 130 \pm 13$

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

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

$\alpha_L = 1.421$

$\alpha_R = 1.486$

$n_L = 5.87$

$n_R = 8.93$

····· background

$\lambda = -2.240 \pm 0.085 \text{ GeV}^{-1}c^2$

50

40

30

20

10

0

2.5

3.0

3.5

4.0

4.5

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

