

Counts per 30 MeV/c²

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

$|\eta| < 0.8$

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

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

sum

J/ ψ signal

$N_{J/\psi} = 44 \pm 7$

$M_{J/\psi} = 3.099 \pm 0.004 \text{ GeV}/c^2$

$\sigma = 0.021 \pm 0.003 \text{ GeV}/c^2$

$\alpha_L = 1.427$

$\alpha_R = 1.487$

$n_L = 5.91$

$n_R = 8.42$

background

$\lambda = -1.993 \pm 0.354 \text{ GeV}^{-1}c^2$

25

20

15

10

5

0

2.6

2.8

3.0

3.2

3.4

3.6

3.8

4.0

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

