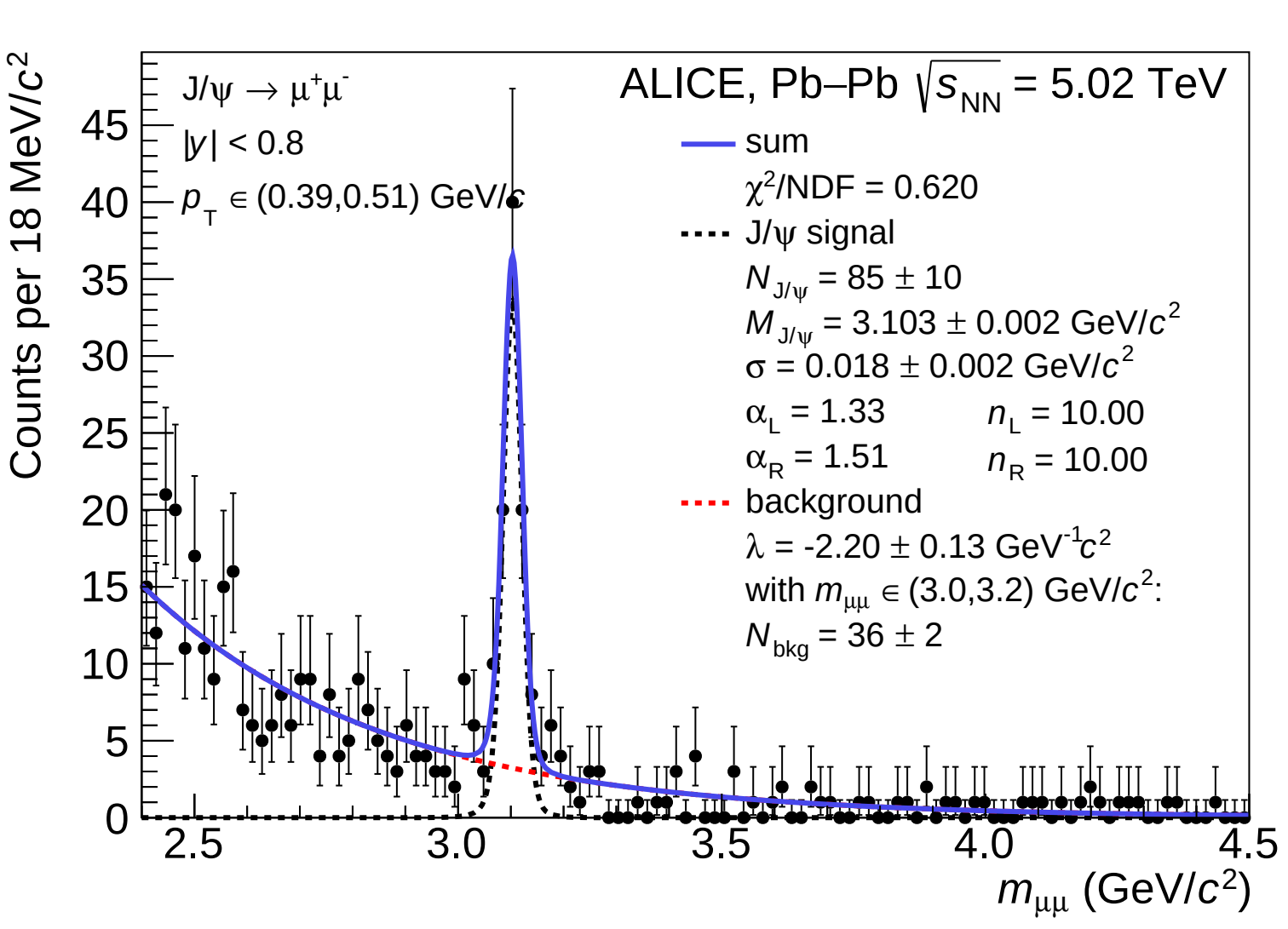
ALICE, Pb–Pb $\sqrt{s_{NN}}$ = 5.02 TeV
$J/\psi \rightarrow \mu^+\mu^-$
$|y| < 0.8$
$p_T \in (0.39,0.51)$ GeV/c
sum
χ^2/NDF = 0.620
J/ψ signal
$N_{J/\psi} = 85 \pm 10$
$M_{J/\psi} = 3.103 \pm 0.002$ GeV/c^2
$\sigma = 0.018 \pm 0.002$ GeV/c^2
$\alpha_L = 1.33$ $n_L = 10.00$
$\alpha_R = 1.51$ $n_R = 10.00$
background
$\lambda = -2.20 \pm 0.13$ GeV$^{-1}c^2$
with $m_{\mu\mu} \in (3.0,3.2)$ GeV/c^2:
$N_{bkg} = 36 \pm 2$
Counts per 18 MeV/c^2
$m_{\mu\mu}$ (GeV/c^2)
0
5
10
15
20
25
30
35
40
45
2.5
3.0
3.5
4.0
4.5