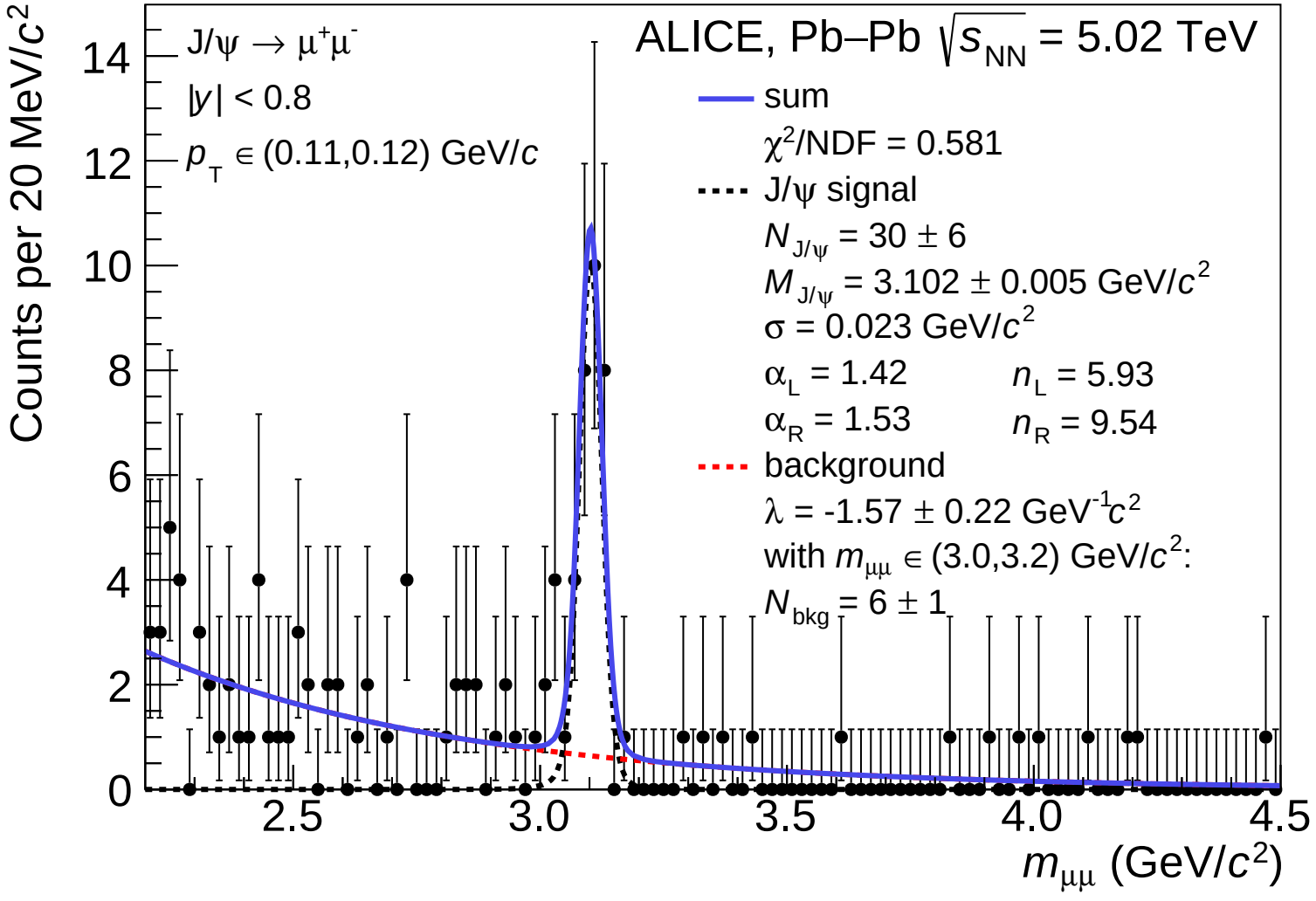
ALICE, Pb–Pb $\sqrt{s_{NN}}$ = 5.02 TeV
$J/\psi \rightarrow \mu^+\mu^-$
$|y| < 0.8$
$p_T \in (0.11,0.12)$ GeV/c
sum
χ^2/NDF = 0.581
J/ψ signal
$N_{J/\psi} = 30 \pm 6$
$M_{J/\psi} = 3.102 \pm 0.005$ GeV/c^2
$\sigma = 0.023$ GeV/c^2
$\alpha_L = 1.42$
$n_L = 5.93$
$\alpha_R = 1.53$
$n_R = 9.54$
background
$\lambda = -1.57 \pm 0.22$ GeV$^{-1}c^2$
with $m_{\mu\mu} \in (3.0,3.2)$ GeV/c^2:
$N_{bkg} = 6 \pm 1$
Counts per 20 MeV/c^2
$m_{\mu\mu}$ (GeV/c^2)
0
2
4
6
8
10
12
14
2.5
3.0
3.5
4.0
4.5