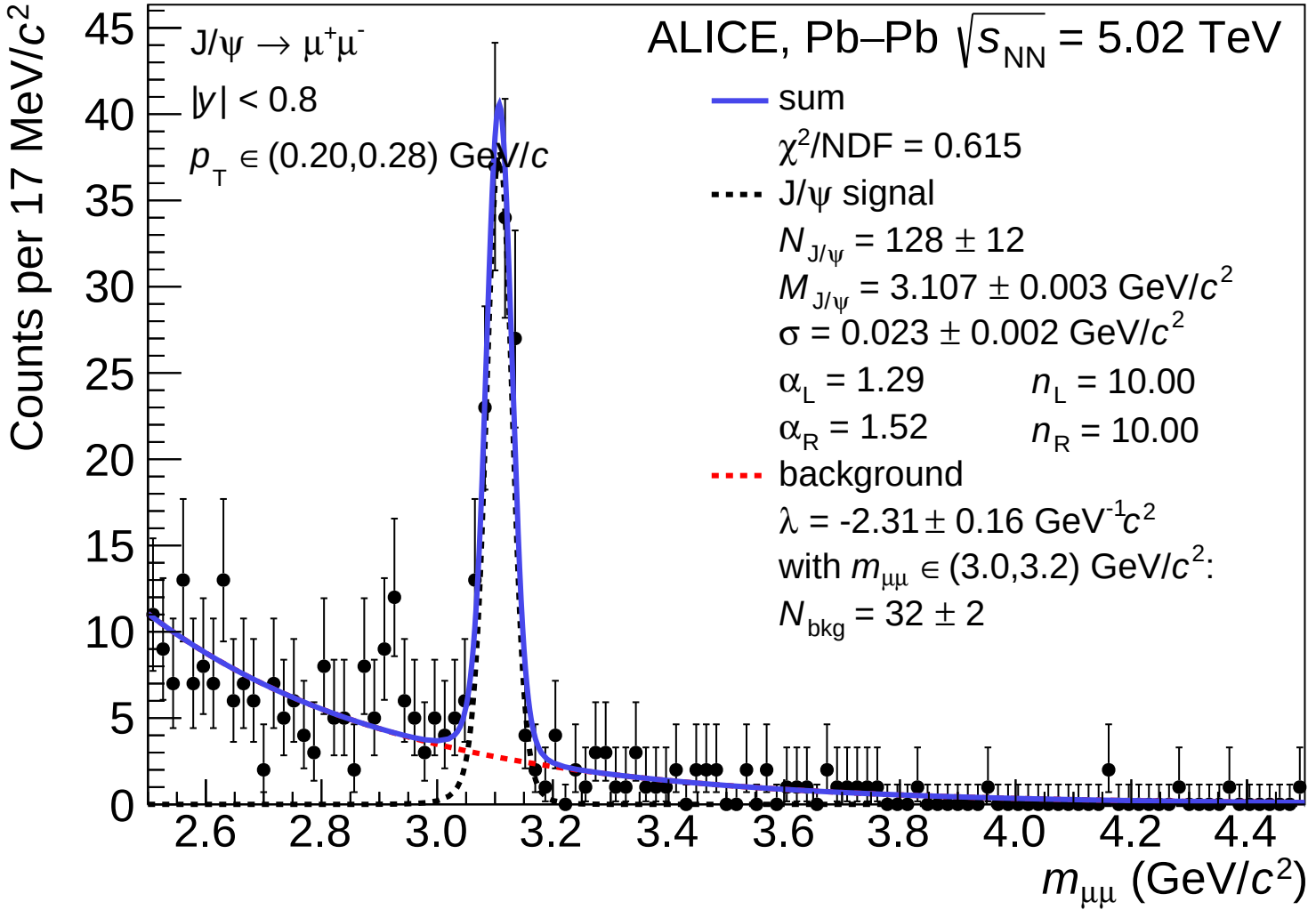
ALICE, Pb–Pb $\sqrt{s_{NN}}$ = 5.02 TeV
$J/\psi \rightarrow \mu^+\mu^-$
$|y| < 0.8$
$p_T \in (0.20,0.28)$ GeV/c
sum
χ^2/NDF = 0.615
J/ψ signal
$N_{J/\psi}$ = 128 ± 12
$M_{J/\psi}$ = 3.107 ± 0.003 GeV/c^2
σ = 0.023 ± 0.002 GeV/c^2
α_L = 1.29
n_L = 10.00
α_R = 1.52
n_R = 10.00
background
λ = -2.31 ± 0.16 GeV$^{-1}c^2$
with $m_{\mu\mu} \in (3.0,3.2)$ GeV/c^2:
N_{bkg} = 32 ± 2
Counts per 17 MeV/c^2
$m_{\mu\mu}$ (GeV/c^2)
0
5
10
15
20
25
30
35
40
45
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0
4.2
4.4