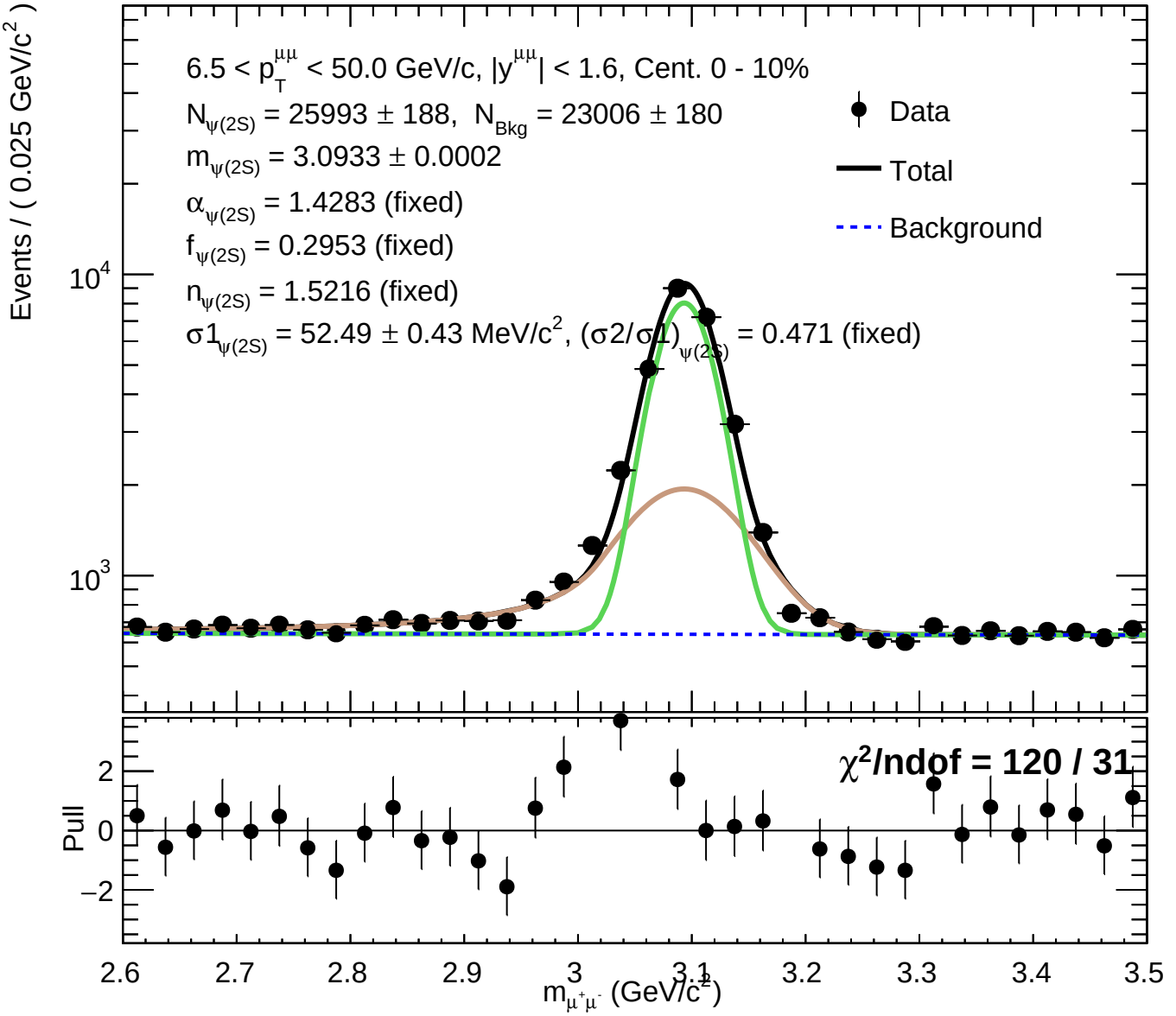
6.5 < p_T^μμ < 50.0 GeV/c, |y^μμ| < 1.6, Cent. 0 - 10%
N_ψ(2S) = 25993 ± 188, N_Bkg = 23006 ± 180
m_ψ(2S) = 3.0933 ± 0.0002
α_ψ(2S) = 1.4283 (fixed)
f_ψ(2S) = 0.2953 (fixed)
n_ψ(2S) = 1.5216 (fixed)
σ1_ψ(2S) = 52.49 ± 0.43 MeV/c², (σ2/σ1)_ψ(2S) = 0.471 (fixed)
Data
Total
Background
Events / (0.025 GeV/c²)
10⁴
10³
χ²/ndof = 120 / 31
Pull
2
0
−2
2.6
2.7
2.8
2.9
3
3.1
3.2
3.3
3.4
3.5
m_μ⁺μ⁻ (GeV/c²)