$3.5 < p_T^{\mu\mu} < 50.0$ GeV/c; $1.6 < |y^{\mu\mu}| < 2.4$; Cent. 0 - 10%

$N_{\psi(2S)} = 600 \pm 194$, $N_{Bkg} = 108724 \pm 382$

$m_{\psi(2S)} = 3.6593 \pm 0.0072$

$\alpha_{\psi(2S)} = 1.2805$ (fixed)

$f_{\psi(2S)} = 0.5287$ (fixed)

$n_{\psi(2S)} = 2.3430$ (fixed)

$\sigma 1_{\psi(2S)} = 18.59 \pm 6.73$ MeV/c^2, $(\sigma 2/\sigma 1)_{\psi(2S)} = 1.621$ (fixed)

● Data

—— Total

----- Background

χ^2/ndof = 56 / 30

Pull

Events / (0.0222222 GeV/c^2)

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