

Events / (0.0222222 GeV/c²)

$3.5 < p_T^{\mu\mu} < 50.0$ GeV/c; $1.6 < |y^{\mu\mu}| < 2.4$; Cent. 20 - 30%

$N_{\psi(2S)} = 993 \pm 141$, $N_{\text{Bkg}} = 54157 \pm 245$

$m_{\psi(2S)} = 3.6494 \pm 0.0168$

$\alpha_{\psi(2S)} = 1.5284$ (fixed)

$f_{\psi(2S)} = 0.1606$ (fixed)

$n_{\psi(2S)} = 3.7903$ (fixed)

$\sigma1_{\psi(2S)} = 125.32 \pm 20.21$ MeV/c², $(\sigma2/\sigma1)_{\psi(2S)} = 0.579$ (fixed)

• Data

— Total

- - - Background

