

Events / (0.0222222 GeV/c²)

$$9.0 < p_T^{\mu\mu} < 12.0 \text{ GeV/c}, |y^{\mu\mu}| < 1.6$$

$$N_{\psi(2S)} = 33962 \pm 375, N_{\text{Bkg}} = 52892 \pm 399$$

$$m_{\psi(2S)} = 3.6821 \pm 0.0003$$

$$\alpha_{\psi(2S)} = 1.9030 \pm 0.0578$$

$$f_{\psi(2S)} = 0.4225 \text{ (fixed)}$$

$$n_{\psi(2S)} = 1.4960 \text{ (fixed)}$$

$$\sigma 1_{\psi(2S)} = 48.70 \pm 0.46 \text{ MeV/c}^2, (\sigma 2/\sigma 1)_{\psi(2S)} = 0.527 \text{ (fixed)}$$

• Data

— Total

- - - Background

