

Events / ( 0.025 GeV/c<sup>2</sup> )

$6.5 < p_T^{\mu\mu} < 40.0$  GeV/c,  $|y^{\mu\mu}| < 1.6$ , Cent. 0 - 10%

$N_{\psi(2S)} = 10513 \pm 117$ ,  $N_{\text{Bkg}} = 7991 \pm 106$

$m_{\psi(2S)} = 3.0942 \pm 0.0003$

$\alpha_{\psi(2S)} = 1.4290$  (fixed)

$f_{\psi(2S)} = 0.2954$  (fixed)

$n_{\psi(2S)} = 1.5199$  (fixed)

$\sigma 1_{\psi(2S)} = 52.10 \pm 0.64$  MeV/c<sup>2</sup>,  $(\sigma 2/\sigma 1)_{\psi(2S)} = 0.471$  (fixed)

• Data

— Total

- - - Background

