

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

$3.5 < p_T^{\mu\mu} < 40.0$  GeV/c;  $1.6 < |y^{\mu\mu}| < 2.4$ ; Cent. 30 - 50%

$N_{\psi(2S)} = 10271 \pm 161$ ,  $N_{\text{Bkg}} = 13775 \pm 172$

$m_{\psi(2S)} = 3.0919 \pm 0.0007$

$\alpha_{\psi(2S)} = 2.1020$  (fixed)

$f_{\psi(2S)} = 0.7195$  (fixed)

$n_{\psi(2S)} = 1.4232$  (fixed)

$\sigma 1_{\psi(2S)} = 43.09 \pm 0.68$  MeV/c<sup>2</sup>,  $(\sigma 2/\sigma 1)_{\psi(2S)} = 1.636$  (fixed)

$l_{\psi(2S)} > 0.0725$

• Data

— Total

- - - Background

