

Events / ( 0.0222222 GeV/c<sup>2</sup> )

$3.5 < p_T^{\mu\mu} < 40.0$  GeV/c;  $1.6 < |y^{\mu\mu}| < 2.4$ ; Cent. 0 - 90%

$N_{\psi(2S)} = 4162 \pm 495$ ,  $N_{\text{Bkg}} = 294347 \pm 732$

$m_{\psi(2S)} = 3.6747 \pm 0.0053$

$\alpha_{\psi(2S)} = 1.5125$  (fixed)

$f_{\psi(2S)} = 0.0923$  (fixed)

$n_{\psi(2S)} = 6.7716$  (fixed)

$\sigma 1_{\psi(2S)} = 130.00 \pm 7.89$  MeV/c<sup>2</sup>,  $(\sigma 2/\sigma 1)_{\psi(2S)} = 0.388$  (fixed)

• Data

— Total

- - - Background

