

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. 10 - 30%

$N_{\psi(2S)} = 966 \pm 156$ ,  $N_{\text{Bkg}} = 39974 \pm 253$

$m_{\psi(2S)} = 3.6732 \pm 0.0096$

$\alpha_{\psi(2S)} = 1.5150$  (fixed)

$f_{\psi(2S)} = 0.8088$  (fixed)

$n_{\psi(2S)} = 4.0844$  (fixed)

$\sigma_{1\psi(2S)} = 50.34 \pm 2.02$  MeV/c<sup>2</sup>,  $(\sigma_2/\sigma_1)_{\psi(2S)} = 1.680$  (fixed)

$I_{\psi(2S)} > 0.0505$

• Data

— Total

- - - Background

