

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

$3.5 < p_T^{\mu\mu} < 40.0 \text{ GeV}/c; 1.6 < |y^{\mu\mu}| < 2.4; \text{Cent. } 0 - 10\%$

$N_{\psi(2S)} = 767 \pm 137, N_{\text{Bkg}} = 32315 \pm 224$

$m_{\psi(2S)} = 3.6729 \pm 0.0107$

$\alpha_{\psi(2S)} = 1.2600 \text{ (fixed)}$

$f_{\psi(2S)} = 0.8087 \text{ (fixed)}$

$n_{\psi(2S)} = 11.9309 \text{ (fixed)}$

$\sigma_1_{\psi(2S)} = 49.81 \pm 1.65 \text{ MeV}/c^2, (\sigma_2/\sigma_1)_{\psi(2S)} = 1.778 \text{ (fixed)}$

$\psi(2S) > 0.0535$

● Data

— Total

- - - Background

