

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

$6.5 < p_T^{\mu\mu} < 40.0$  GeV/c

$|y^{\mu\mu}| < 1.6$

Cent. 10 - 20%

● Data

— Total fit

▒ Background

— J/ψ Prompt

— J/ψ Non-Prompt

$N_{\psi(2S)} = 645 \pm 78$

$N_{\text{Bkg}} = 17739 \pm 152$

$b_{\psi(2S)} = 0.3844 \pm 0.0179$

Pull

$\chi^2/\text{ndof} = 40 / 34$

3.3

3.4

3.5

3.6

$m_{\mu^+\mu^-}$  (GeV/c<sup>2</sup>)

3.8

3.9

4.0

4.1

