

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. 30 - 50%

● Data

— Total fit

Background

— J/ψ Prompt

— J/ψ Non-Prompt

$N_{\psi(2S)} = 892 \pm 206$

$N_{\text{Bkg}} = 43398 \pm 291$

$b_{\psi(2S)} = 0.2173 \pm 0.0141$

10<sup>3</sup>

Pull

2  
0  
-2

$\chi^2/\text{ndof}$  ● 34 / 34

3.3 3.4 3.5 3.6 3.7 3.8 3.9 4 4.1  
 $m_{\mu^+\mu^-}$  (GeV/c<sup>2</sup>)