

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

$$20.0 < p_T^{\mu\mu} < 25.0 \text{ GeV/c}$$

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

$$n_{\psi(2S)} = 2564 \pm 112$$

$$n_{\text{Bkg}} = 4225 \pm 120$$

10<sup>3</sup>

10<sup>2</sup>

Pull

2

0

-2

$$\chi^2/\text{ndof} = 31 / 26$$

3.3

3.4

3.5

3.6

3.7

3.8

3.9

4.0

4.1

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

