

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

$$3.5 < p_T^{\mu\mu} < 50.0 \text{ GeV}/c$$

$$1.6 < |y^{\mu\mu}| < 2.4$$

$$n_{\psi(2S)} = 119795 \pm 942$$

$$n_{\text{Bkg}} = 419757 \pm 1090$$

10<sup>4</sup>

Pull

2  
0  
-2

$\chi^2/\text{dof} = 108 / 30$

3.3

3.4

3.5

3.6

3.7

3.8

3.9

4.0

4.1

$m_{\mu^+\mu^-} \text{ (GeV}/c^2\text{)}$

