

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

$$9.0 < p_T^{\mu\mu} < 12.0 \text{ GeV/c}$$

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

$$n_{\psi(2S)} = 33612 \pm 278$$

$$n_{\text{Bkg}} = 53241 \pm 312$$

10<sup>4</sup>

10<sup>3</sup>

Pull

2  
0  
-2

$$\chi^2/\text{ndof} = 45 / 29$$

3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
4  
4.1

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

3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
4  
4.1

