CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) 200 $F_{pol} = 0.1 + -0.2$ Events / $(0.1~{ m GeV/c}^2)$ Cent. 5-10% $N_{\Upsilon(1S)} = 279 + -25$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 8 + /- 16$ |y| < 2.4 $N_{\Upsilon(3S)} = -10 +/- 15$ 150 $p_{_{T}}^{\mu_{_{1}}} > 4.0 \text{ GeV/c}$ a1_bkg = 1 +/- 2 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \; {\rm GeV/c}$ decay = 3.2 +/- 0.5 $m_{\Upsilon(1S)} = 9.436 + -0.009$ 100 $n_{Bkgd} = 3543 + /-68$ turnOn = 8.5 + /- 0.3width = 2.4 + /- 0.450 0 χ^2 /ndf = 65.0/54 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]