CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.03 + -0.09$ Events / (0.1 GeV/c^2) $450 = 5.0 < p_T < 12.0$ $N_{\Upsilon(1S)} = 659 + -28$ |y| < 2.4 400 $N_{\Upsilon(2S)} = 42 + /- 19$ $N_{\Upsilon(3S)} = 44 + /- 19$ 350 $p_{T}^{\mu_{1}} > 4.0 \text{ GeV/c}$ $a1_bkg = 0 +/-1$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ 300 $a2_Bkg = -0.8 +/-1$ decay = 5.9 + /- 0.7250 $m_{\Upsilon(1S)} = 9.446 + -0.005$ 200 $n_{Bkqd} = 9377 + -79$ turnOn = 6 + / - 4150 width = 15 + - 9100 50 χ^2 /ndf = 53.7/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]