CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.37 + -0.07$ 350 Events / (0.1 GeV/c^2) 1.2 < |y| < 2.4 $N_{\Upsilon(1S)} = 676 + -42$ 300 $N_{\Upsilon(2S)} = 45 + /-28$ $N_{\Upsilon(3S)} = -28 + /- 25$ $p_{_{T}}^{^{\mu_{_{1}}}}$ > 4.0 GeV/c 250 $a1_bkg = -0.73 +/- 0.1$ $p_{_{T}}^{\mu_{_{2}}} > 4.0 \text{ GeV/c}$ $a2_Bkg = 0.2 +/- 0.1$ 200 decay = 2.9 + / - 0.2 $m_{\Upsilon(1S)} = 9.437 +/- 0.008$ 150 $n_{Bkgd} = 5687 + -95$ turnOn = 8.69 + /- 0.05100 width = 1.20 + - 0.0850 χ^2 /ndf = 52.5/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]