CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.0 + 1.0$ Events / (0.1 GeV/c^2) 25 $20.0 < p_{_{ m T}} < 40.0$ $N_{\Upsilon(1S)} = 45 + /- 2$ |y| < 2.4 $N_{\Upsilon(2S)} = 5 + /-1$ 20 $N_{\Upsilon(3S)} = 5 + /- 1$ $p_{T}^{\mu_{1}} > 4.0 \text{ GeV/c}$ $a1_bkg = 0 + / - 6$ $p_{_{T}}^{\mu_{_{2}}} > 4.0 \text{ GeV/c}$ $a2_Bkg = -0.8 +/- 3$ 15 decay = 19 + / - 5 $m_{\Upsilon(1S)} = 9.454 + /- 0.005$ 10 $n_{Bkgd} = 113 +/- 3$ turnOn = 0 +/-6width = 3 + / - 65 0 3 χ^2 /ndf = 18.6/43 0 9 10 12 $m_{\mu\mu}$ [GeV/c²]