CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.22 + -0.05$ Events / ($0.1 \,\mathrm{GeV/c}^2$) $450 = 5.0 < p_{T} < 12.0$ $N_{\Upsilon(1S)} = 656 + -26$ |y| < 2.4 400 $N_{\Upsilon(2S)} = 40 +/- 18$ $N_{\Upsilon(3S)} = 42 + /- 18$ 350 $p_{\tau}^{\mu_1} > 4.0 \text{ GeV/c}$ a1_bkg = -0.713 +/- 0.09 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ 300 decay = 7.1 + / - 0.5 $m_{\Upsilon(1S)} = 9.446 + -0.004$ 250 $n_{Bkgd} = 9385 + -70$ 200 turnOn = 6 + / - 4150 width = 15 + / - 12100 50 χ^2 /ndf = 53.8/54 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]