CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.0 + -0.2$ Events / (0.1 GeV/c^2) $5.0 < p_{_{ m T}} < 8.0$ 250 $N_{\Upsilon(1S)} = 346 +/- 28$ |y| < 2.4 $N_{\Upsilon(2S)} = 8 + /- 18$ $N_{\Upsilon(3S)} = 13 + /- 18$ 200 $p_{\tau}^{\mu_1} > 4.0 \text{ GeV/c}$ $a1_bkg = -0.40 +/- 0.5$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ decay = 7.5 + / - 0.8150 $m_{\Upsilon(1S)} = 9.447 + -0.008$ $n_{Bkgd} = 4996 + /-79$ turnOn = 5.9 + /- 0.6100 width = 2.1 + / - 0.950 0 3 2 χ^2 /ndf = 55.0/54 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]