CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 1.00 + -0.03$ \equiv vents / (0.1 GeV/c²) Cent. 30-50% 180 $N_{\Upsilon(1S)} = 320 +/- 23$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 67 + /-16$ 160 |y| < 2.4 $N_{\Upsilon(3S)} = 31 + /- 15$ 140 $a1_bkg = 0.05 + -0.04$ $p_{\tau}^{\mu_2} > 4.0 \text{ GeV/c}$ 120 $a2_Bkg = -0.305 +/- 0.04$ decay = 9 + / - 3100 $m_{\Upsilon(1S)} = 9.441 + -0.007$ 80 $n_{Bkgd} = 2397 + -55$ turnOn = 10 +/- 260 width = 1 + / - 240 20 χ^2 /ndf = 50.8/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]