## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $F_{pol} = 0.0140 + 0.0003$ 90 Events / $(0.1 \text{ GeV/c}^2)$ Cent. 50-100% $N_{\Upsilon(1S)} = 144.6 + -0.2$ 80 $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 10.4 + /- 0.7$ |y| < 2.470 $N_{\Upsilon(3S)} = -5.33 + /- 0.6$ $p_{\tau}^{\mu_1} > 4.0 \text{ GeV/c}$ $a1_bkg = 0.04800 + -0.00002$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ 60 $a2_Bkg = -0.808 +/- 0.01$ 50 decay = 9.302 + /- 0.009 $m_{\Upsilon(1S)} = 9.45014 + -0.00 = 06$ 40 $n_{Bkgd} = 874.1 + -0.2$ turnOn = 8.2673 + -0.000730 width = 1.809 + - 0.00120 10 $\chi^2$ /ndf = 53.5/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]