## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $F_{pol} = 0.15 + -0.09$ 500 Events / $(0.1 \text{ GeV/c}^2)$ Cent. 10-30% $N_{\Upsilon(1S)} = 743 + /-39$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 31 + -26$ |y| < 2.4400 $N_{\Upsilon(3S)} = -35 + /- 24$ $p_{_{T}}^{\mu_{_{1}}} > 4.0 \text{ GeV/c}$ $a1_bkg = 0.8 +/- 0.5$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ $a2_Bkg = 0.9 +/- 0.5$ 300 decay = 1.2 + / - 0.1 $m_{\Upsilon(1S)} = 9.455 + -0.005$ $n_{Bkgd} = 8131 + /- 104$ 200 turnOn = 11.6 + /- 0.4width = 2.6 + / - 0.1100 $\chi^2$ /ndf = 58.9/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]