## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $F_{pol} = 0.1 + -0.3$ 200 Events / $(0.1 \text{ GeV/c}^2)$ Cent. 20-30% $N_{\Upsilon(1S)} = 315 + -24$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 27 + /- 16$ |y| < 2.4 $N_{\Upsilon(3S)} = 7 + /-15$ 150 $p_{_{T}}^{\mu_{_{1}}} > 4.0 \text{ GeV/c}$ $a1_bkg = 1 +/- 2$ $p_{_{T}}^{\mu_{_{2}}} > 4.0 \text{ GeV/c}$ decay = 4 + / - 1 $m_{\Upsilon(1S)} = 9.449 +/- 0.008$ 100 $n_{Bkgd} = 2939 + /- 61$ turnOn = 8.2 + /- 0.5width = 2.4 + /- 0.650 0 $\chi^2$ /ndf = 53.8/54 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]