## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $F_{pol} = 0.56 + -0.07$ 300 Events / $(0.1 \text{ GeV/c}^2)$ Cent. 10-20% $N_{\Upsilon(1S)} = 423 +/-31$ $p_T > 0$ $N_{\Upsilon(2S)} = 17 +/-20$ 250 |y| < 2.4 $N_{\Upsilon(3S)} = -21 + /- 19$ $p_{_{T}}^{\mu_{_{1}}} > 4.0 \text{ GeV/c}$ $a1_bkg = -0.37 +/- 0.2$ 200 $p_{_{T}}^{\mu_{_{2}}} > 4.0 \text{ GeV/c}$ decay = 5 + 1/- 2 $m_{\Upsilon(1S)} = 9.459 + -0.007$ 150 $n_{Bkgd} = 5162 + /-82$ turnOn = 8.5 + / - 0.1100 width = 1.0 + / - 0.150 $\chi^2$ /ndf = 56.8/54 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]