## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $F_{pol} = 0.69 + -0.09$ 450 Events / $(0.1 \text{ GeV/c}^2)$ 0.4 < |y| < 0.8 $N_{\Upsilon(1S)} = 504 + /-36$ 400 $N_{\Upsilon(2S)} = 59 + -25$ 350 $N_{\Upsilon(3S)} = 7 + /-23$ $p_{_{T}}^{\mu_{_{1}}} > 3.5 \text{ GeV/c}$ $a1_bkg = -0.26 +/- 0.1$ 300 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ $a2_Bkg = -0.058 +/- 0.05$ 250 decay = 7 + / - 3 $m_{\Upsilon(1S)} = 9.444 + /- 0.006$ 200 $n_{Bkgd} = 9625 + /- 109$ 150 turnOn = 8.2 + /- 0.1width = 0.6 + /- 0.2100 50 0 $\chi^2$ /ndf = 51.3/53 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]