CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $N_{\Upsilon(1S)} = 531 + /-34$ 450 Events / $(0.1~{ m GeV/c}^2)$ $5.0 < p_{_{ m T}} < 8.0$ $N_{\Upsilon(2S)} = 23 + /- 24$ 400 |y| < 2.4 $N_{\Upsilon(3S)} = 0 + /-86$ 350 decay = 6 + / - 12 $p_{T}^{\mu_{1}} > 3.5 \text{ GeV/c}$ $m_{\Upsilon(1S)} = 9.444 + -0.006$ 300 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \; {\rm GeV/c}$ $n_{Bkgd} = 10726 + /- 106$ 250 turnOn = 1 +/- 5width = 13 + - 9200 150 100 50 0 χ^2 /ndf = 84.4/56 9 10 11 12 13 $m_{\mu\mu}$ [GeV/c²]