CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) 450 $\alpha_{CR} = 5 + 7$ Events / $(0.1 \, \mathrm{GeV/c}^2)$ 0.4 < |y| < 0.8 $N_{\Upsilon(1S)} = 470 +/-32$ 400 $N_{\Upsilon(2S)} = 42 +/-23$ 350 $N_{\Upsilon(3S)} = 0 + /-3$ $p_{T}^{\mu_{1}} > 3.5 \text{ GeV/c}$ decay = 6.8 + / - 0.7300 $p_{_{\rm T}}^{^{\mu}}$ > 4.0 GeV/c $m_{\Upsilon(1S)} = 9.443 + -0.006$ 250 $n_{Bkgd} = 9683 + /- 106$ turnOn = 7.5 + /- 0.1200 width = 2.1 + /- 0.2150 100 50 χ^2 /ndf = 58.6/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]