CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) 450 $\sigma_{CB1} = 0.061 + 0.006$ Events / $(0.1 \, \mathrm{GeV/c}^2)$ 0.4 < |y| < 0.8 $N_{\Upsilon(1S)} = 509 + /- 41$ 400 $N_{\Upsilon(2S)} = 48 +/-25$ 350 $N_{\Upsilon(3S)} = 0 + /-3$ $p_{T}^{\mu_{1}} > 3.5 \text{ GeV/c}$ decay = 6.8 + / - 0.8300 $p_{_{\rm T}}^{^{\mu}}$ > 4.0 GeV/c $m_{\Upsilon(1S)} = 9.443 + -0.006$ 250 $n_{Bkgd} = 9639 + /- 111$ turnOn = 7.5 + / - 0.2200 width = 2.1 + - 0.3150 100 50 χ^2 /ndf = 56.3/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]