CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $\sigma_{CB2} / \sigma_{CB1} = 2.5 + 0.2$ Events / (0.1 GeV/c^2) 300 Cent. 10-20% $N_{\Upsilon(1S)} = 491 +/-35$ $p_T > 0$ $N_{\Upsilon(2S)} = 34 + /- 24$ 250 |y| < 2.4 $N_{\Upsilon(3S)} = -17 + /- 22$ $p_{_{T}}^{\mu_{_{1}}} > 4.0 \text{ GeV/c}$ decay = 4.4 + /- 0.4 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ 200 $m_{\Upsilon(1S)} = 9.459 + -0.007$ $n_{Bkgd} = 5072 + /-88$ 150 turnOn = 8.50 + /- 0.09width = 2.9 + /- 0.2100 50 χ^2 /ndf = 64.0/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]