CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $\alpha_{CB} = 0 + 6$ Events / $(0.1~{ m GeV/c}^2)$ 100 $12.0 < p_{_{ m T}} < 20.0$ $N_{\Upsilon(1S)} = 246 + -26$ |y| < 2.4 $N_{\Upsilon(2S)} = 6 + -25$ $N_{\Upsilon(3S)} = 55 + -26$ 80 $p_{\tau}^{\mu_1} > 3.5 \text{ GeV/c}$ decay = 6.3 + / - 0.3 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ $m_{\Upsilon(1S)} = 9.509 + -0.006$ 60 $n_{Bkgd} = 1105 + -42$ turnOn = 9.000 + -0.002width = 7.000 + - 0.00340 20 χ^2 /ndf = 106.9/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]