## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $N_{\Upsilon(1S)} = 531 + /-36$ 450 Events / $(0.1~{ m GeV/c}^2)$ 0.4 < |y| < 0.8 $N_{\Upsilon(2S)} = 52 + /- 26$ 400 $N_{\Upsilon(3S)} = 0 + /-3$ 350 decay = 6.8 + / -0.8 $p_{T}^{\mu_{1}} > 3.5 \text{ GeV/c}$ $m_{\Upsilon(1S)} = 9.444 + /- 0.006$ 300 $p_{\tau}^{\mu_2} > 4.0 \text{ GeV/c}$ $n_{Bkgd} = 9613 + /- 108$ 250 $n_{CB} = 1.0 + - 0.4$ turnOn = 7.5 + / - 0.2200 width = 2.2 + / - 0.3150 100 50 $\chi^2$ /ndf = 55.7/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]