## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $N_{\Upsilon(1S)} = 45 + 7 - 8$ Events / ( $0.1~{ m GeV/c}^2$ ) 25 $20.0 < p_{_{ m T}} < 40.0$ $N_{\Upsilon(2S)} = 5 + -4$ |y| < 2.4 $N_{\Upsilon(3S)} = 5 + /-3$ 20 decay = 25 + / - 15 $p_{T}^{\mu_{1}} > 4.0 \text{ GeV/c}$ $m_{\Upsilon(1S)} = 9.45 + -0.02$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ $n_{Bkgd} = 113 +/- 12$ 15 sigmaFraction = 0.6 + - 0.3turnOn = 0 +/- 2width = 3 + / - 110 5 $\chi^2$ /ndf = 18.6/45 Pull 10 12 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]