## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $\sigma_{CB1} = 0.060 + 0.008$ Events / ( $0.1 \text{ GeV/c}^2$ ) $5.0 < p_{_{ m T}} < 8.0$ 250 $N_{\Upsilon(1S)} = 338 + /- 32$ |y| < 2.4 $N_{\Upsilon(2S)} = 6 + /-17$ $N_{\Upsilon(3S)} = 9 + /- 17$ 200 $p_{\tau}^{\mu_1} > 4.0 \text{ GeV/c}$ decay = 6.3 + / -0.9 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ $m_{\Upsilon(1S)} = 9.448 + -0.008$ 150 $n_{Bkgd} = 5009 + /-81$ turnOn = 5.3 + /- 0.9width = 4 + / - 2100 50 $\chi^2$ /ndf = 56.2/55 3 2 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]