## **CMS** Preliminary PbPb 166 μb<sup>-1</sup> (2.76 TeV) $\sigma_{CB1} = 0.062 + 0.007$ Events / ( $0.1 \text{ GeV/c}^2$ ) 300 Cent. 20-30% $N_{\Upsilon(1S)} = 421 +/-38$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = -10 +/- 20$ 250 |y| < 2.4 $N_{\Upsilon(3S)} = -15 +/- 20$ $p_{_{\rm T}}^{\mu_{_{\rm 1}}} > 3.5 \; {\rm GeV/c}$ decay = 5.4 + /- 0.5 $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ 200 $m_{\Upsilon(1S)} = 9.448 + -0.007$ $n_{Bkgd} = 5806 + /- 91$ 150 turnOn = 7.3 + / - 0.1width = 1.6 + /- 0.3100 50 $\chi^2$ /ndf = 65.7/55 9 10 12 13 $m_{\mu\mu}$ [GeV/c<sup>2</sup>]