CMS Preliminary PbPb 166 μb⁻¹ (2.76 TeV) $F_{pol} = 0.4 + 7 - 0.7$ 100 Events / (0.1 GeV/c^2) Cent. 50-70% $N_{\Upsilon(1S)} = 162 + /-17$ $p_{_{\rm T}} > 0$ $N_{\Upsilon(2S)} = 10 +/-10$ 80 |y| < 2.4 $N_{\Upsilon(3S)} = -9.5 + /- 8$ $p_{_{T}}^{\mu_{_{1}}} > 3.5 \text{ GeV/c}$ $a1_bkg = 0 + / - 1$ $p_{_{\rm T}}^{\mu_{_2}} > 4.0 \text{ GeV/c}$ decay = 2.3 + / - 0.560 $m_{\Upsilon(1S)} = 9.44 +/- 0.01$ $n_{Bkgd} = 1043 +/-39$ 40 turnOn = 9 + /- 2width = 2 + / - 120 0 χ^2 /ndf = 38.9/54 2 9 10 12 13 $m_{\mu\mu}$ [GeV/c²]