PbPb $L_{int}=351\,\mu b^{-1}$ $\sqrt{s_{NN}}$ = 5.02 TeV

$12 <p_T^{\mu\mu}< 30$ GeV/c
$|y|< 2.4$
$p_T^{\mu} > 4$ GeV/c
Cent: 0-100%

CMS
Preliminary

$N_{\Upsilon(1S)} = 781 \pm 40$

$R_{\frac{2S}{1S}} = 0.132 \pm 0.033$

$R_{\frac{3S}{1S}} = 0.050 \pm 0.030$

a1_bkg = -0.2084 $\pm$ 0.026

a2_Bkg = -0.0147 $\pm$ 0.027

a3_Bkg = 0.032 $\pm$ 0.026

a4_Bkg = -0.0407 $\pm$ 0.023

$m_{\Upsilon(1S)} = 9.4554 \pm 0.0051$

$n_{Bkgd} = 5941 \pm 93$

χ^2/ndf = 41.9/50