PbPb L$_{int}$=351μb^{-1} $\sqrt{s_{NN}}$ = 5.02 TeV

Events / (0.1 GeV/c^2)

$5 < p_T^{\mu\mu} < 12$ GeV/c
$|y| < 2.4$
$p_T^{\mu} > 4$ GeV/c
Cent: 0-100%

CMS
Preliminary

$N_{\Upsilon(1S)} = 2337 \pm 89$

$R_{\frac{2S}{1S}} = 0.059 \pm 0.028$

$R_{\frac{3S}{1S}} = 0.0000 \pm 0.0079$

a1_bkg = -0.34254 $\pm$ 0.0088

a2_Bkg = 0.0172 $\pm$ 0.0092

a3_Bkg = 0.0092 $\pm$ 0.0086

a4_Bkg = -0.00474 $\pm$ 0.0077

$\sigma_{\Upsilon(1S)} = 9.4472 \pm 0.0039$

n$_{Bkgd}$ = 48736 $\pm$ 251

χ^2/ndf = 47.5/50

Pull

m$_{\mu\mu}$ (GeV/c^2)