

PbPb $L_{\text{int}}=464 \mu\text{b}^{-1}$ $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ Events / ($0.1 \text{ GeV}/c^2$) $p_{\text{T}}^{\mu\mu} < 30 \text{ GeV}/c$
 $|y| < 2.4$
 $p_{\text{T}}^{\mu} > 4 \text{ GeV}/c$
Cent: 60-70%**CMS***Preliminary*

$$N_{\gamma(1S)} = 190 \pm 18$$

$$R_{\frac{2S}{1S}} = 0.149 \pm 0.059$$

$$R_{\frac{3S}{1S}} = 0.020 \pm 0.051$$

$$a1_bkg = 0.082 \pm 0.062$$

$$a2_Bkg = -0.2788 \pm 0.068$$

$$a3_Bkg = 0.217 \pm 0.064$$

$$a4_Bkg = -0.0771 \pm 0.058$$

$$m_{\gamma(1S)} = 9.4478 \pm 0.0093$$

$$n_{\text{Bkgd}} = 969 \pm 38$$

Pull

$$\chi^2/\text{ndf} = 29.8/50$$

 $m_{\mu\mu} \text{ (GeV}/c^2\text{)}$ 