

PbPb  $L_{\text{int}} = 464 \mu\text{b}^{-1}$

$\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$

Events / (0.1  $\text{GeV}/c^2$ )

**CMS**

*Preliminary*

$p_{\text{T}}^{\mu\mu} < 30 \text{ GeV}/c$   
 $|y| < 2.4$   
 $p_{\text{T}}^{\mu} > 4 \text{ GeV}/c$   
Cent: 30-50%

$N_{\gamma(1S)} = 1351 \pm 56$   
 $R_{\frac{2S}{1S}} = 0.130 \pm 0.030$   
 $R_{\frac{3S}{1S}} = 0.041 \pm 0.028$   
decay =  $6.12 \pm 0.38$   
 $m_{\gamma(1S)} = 9.4464 \pm 0.0043$   
 $n_{\text{Bkgd}} = 15137 \pm 146$   
turnOn =  $8.134 \pm 0.078$

Pull

$\chi^2/\text{ndf} = 39.8/52$

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

