

PbPb  $L_{\text{int}} = 351 \mu\text{b}^{-1}$

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

Events / (0.1 GeV/c<sup>2</sup>)

**CMS**

*Preliminary*

$p_{\text{T}}^{\mu\mu} < 30 \text{ GeV}/c$   
 $|y| < 2.4$   
 $p_{\text{T}}^{\mu} > 4 \text{ GeV}/c$   
Cent: 20-30%

$N_{\gamma(1S)} = 1010 \pm 51$
$R_{\frac{2S}{1S}} = 0.127 \pm 0.038$
$R_{\frac{3S}{1S}} = 0.000 \pm 0.011$
decay = $6.40 \pm 0.13$
$m_{\gamma(1S)} = 9.4498 \pm 0.0054$
$n_{\text{Bkgd}} = 15983 \pm 138$
turnOn = $7.898 \pm 0.017$

