

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

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

Events / (0.1 GeV/c²)

450

400

350

300

250

200

150

100

50

0

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

CMS

Preliminary

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

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

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

$a1_{\text{Bkg}} = -0.2084 \pm 0.026$

$a2_{\text{Bkg}} = -0.0147 \pm 0.027$

$a3_{\text{Bkg}} = 0.032 \pm 0.026$

$a4_{\text{Bkg}} = -0.0407 \pm 0.023$

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

$n_{\text{Bkgd}} = 5941 \pm 93$

Pull

$\chi^2/\text{ndf} = 41.9/50$

8

9

10

11

12

13

14

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

