

pp  $L_{\text{int}} = 26 \text{ pb}^{-1}$

$\sqrt{s} = 5.02 \text{ TeV}$

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

$p_{\text{T}}^{\mu\mu} < 5 \text{ GeV}/c$   
 $|y| < 2.4$   
 $p_{\text{T}}^{\mu} > 4 \text{ GeV}/c$

**CMS**

*Preliminary*

$$N_{\text{Y}(1\text{S})} = 17344 \pm 169$$

$$R_{\frac{2\text{S}}{1\text{S}}} = 0.3224 \pm 0.0074$$

$$R_{\frac{3\text{S}}{1\text{S}}} = 0.1531 \pm 0.0062$$

$$a1_{\text{Bkg}} = 0.1986 \pm 0.0065$$

$$a2_{\text{Bkg}} = -0.43585 \pm 0.0673$$

$$a3_{\text{Bkg}} = 0.1585 \pm 0.0069$$

$$a4_{\text{Bkg}} = -0.00408 \pm 0.0063$$

$$m_{\text{Y}(1\text{S})} = 9.45109 \pm 0.00089$$

$$n_{\text{Bkgd}} = 77451 \pm 339$$

