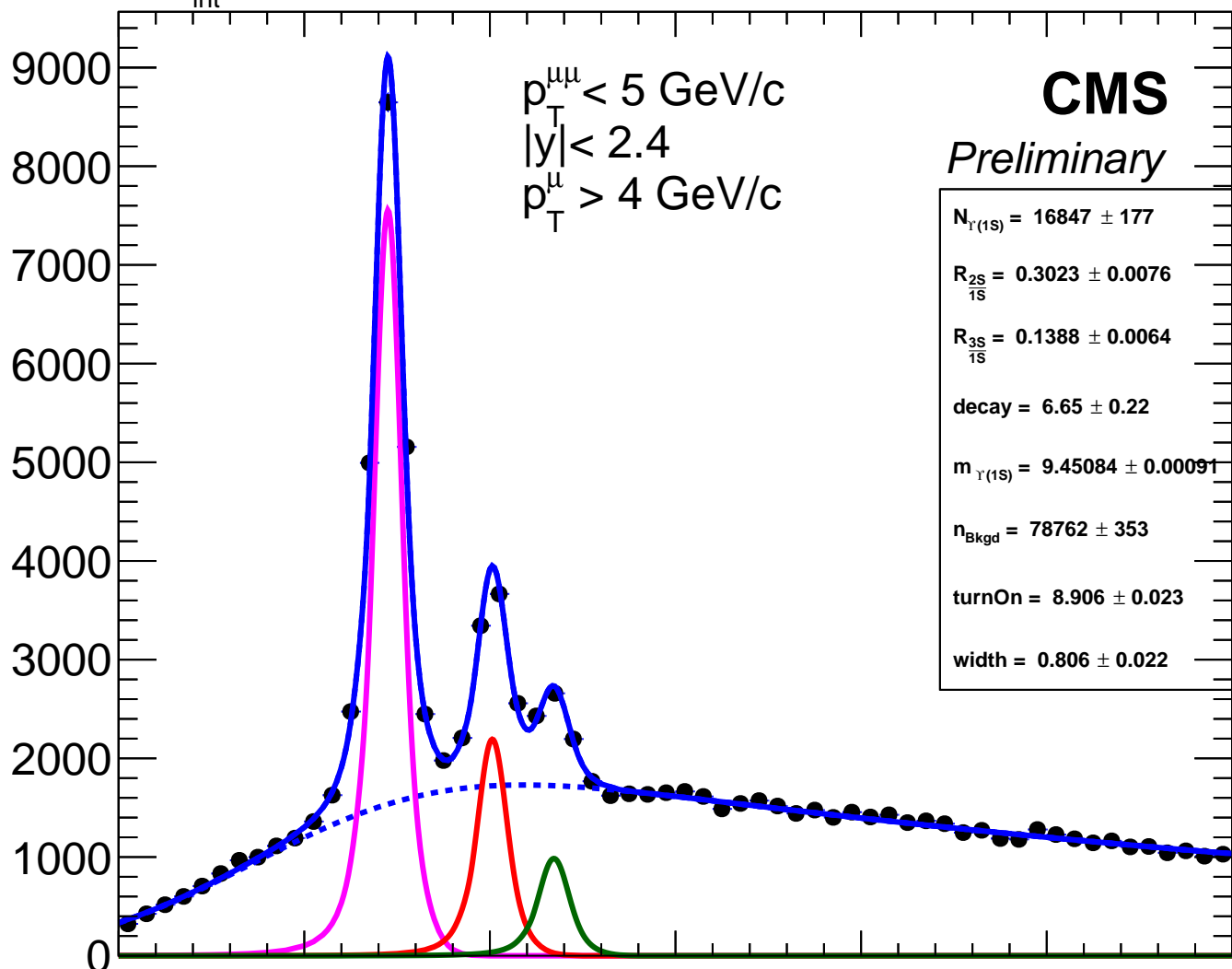


pp  $L_{\text{int}} = 26 \text{ pb}^{-1}$

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

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



**CMS**

*Preliminary*

$$N_{\gamma(1S)} = 16847 \pm 177$$

$$R_{\frac{2S}{1S}} = 0.3023 \pm 0.0076$$

$$R_{\frac{3S}{1S}} = 0.1388 \pm 0.0064$$

$$\text{decay} = 6.65 \pm 0.22$$

$$m_{\gamma(1S)} = 9.45084 \pm 0.00091$$

$$n_{\text{Bkgd}} = 78762 \pm 353$$

$$\text{turnOn} = 8.906 \pm 0.023$$

$$\text{width} = 0.806 \pm 0.022$$

Pull

