$\mathbf{23} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{24}$ GeV, $\mathbf{1.2} < |\boldsymbol{\eta}| < \mathbf{2.1}$ ×10³ ×10³ -- data -- data GeV Events / 1 GeV $-Z \rightarrow \mu\mu + BG$ $Z \rightarrow \mu \mu$ + BG **Pass Region** Fail Region - BG --- BG 16 Events / 1 ϵ = 0.1182 ± 0.0012 1.6 1.4 10 0.8 0.6 0.4 0.2 110 115 80 85 90 95 100 105 110 115 70 80 85 90 95 100 105 75 $m_{\mu\mu}~(GeV)$

 $m_{\mu\mu}~(GeV)$