$\mathbf{28} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{29} \; \mathrm{GeV}, \, \mathbf{1.2} < |\boldsymbol{\eta}| < \mathbf{2.1}$ ×10³ $\times 10^3$ -- data -- data GeV -- Z $\rightarrow \mu\mu$ + BG $Z \rightarrow \mu \mu$ + BG Fail Region **Pass Region** - BG --- BG Events / 1 Events / 1 ϵ = 0.8521 \pm 0.0018 1.6 1.4 1.2 0.8 0.6 0.4 0.2 70 80 85 90 95 100 105 110 115 80 85 90 95 100 105 110 115 75 75 $m_{\mu\mu}~(GeV)$

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