$\mathbf{28} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{29} \; \mathrm{GeV}, \, \mathbf{1.2} < |\boldsymbol{\eta}| < \mathbf{2.1}$ ×10³ $\times 10^3$ -- data --- data GeV Events / 1 GeV — Z → μμ + BG $Z \rightarrow \mu \mu$ + BG **Pass Region** Fail Region BG --- BG Events / 1 25 ϵ = 0.8127 \pm 0.0010 20 15 10 70 80 85 90 95 100 105 110 115 80 90 100 105 110 115

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

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