$50 < p_{_{\mathrm{T}}} < 55$ GeV, $0.9 < |\eta| < 1.2$ ×10³ $\times 10^3$ -- data -- data GeV -- Z $\rightarrow \mu\mu$ + BG Events / 1 GeV **–** Z → μμ + BG 60 **Pass Region Fail Region** - BG --- BG Events / 1 50 $\epsilon = 0.9773 \pm 0.0000$ 40 0.8 30 0.6 20 0.4 10 0.2 80 75 90 100 105 110 115 100 105 110 115 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)