$50 < p_{_{\mathrm{T}}} < 55$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10³ -- data -- data GeV Events / 1 GeV **–** Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** BG --- BG Events / 1 80 $\epsilon = 0.9844 \pm 0.0003$ 0.8 60 50 0.6 40 0.4 30 20 0.2 10 80 75 85 90 100 105 110 115 75 80 110 115 90 100 105 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}$ (GeV)