$45 < p_{_{\rm T}} < 50$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10⁶ -- data -- data Events / 1 GeV Events / 1 GeV **–** Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region** Fail Region BG --- BG ϵ = 0.9736 ± 0.0001 0.12 2.5 0.1 0.08 1.5 0.06 0.04 0.02 0.5 80 75 85 90 95 100 105 110 115 70 75 80 85 90 95 100 105 110 115 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}$ (GeV)