$45 < p_{_{
m T}} < 50$ GeV, $1.2 < |\eta| < 2.1$ ×10³ ×10⁶ -- data --- data 9 0.5 Events / 1 GeV - Z $\rightarrow \mu\mu$ + BG **—** Z → μμ + BG **Pass Region** Fail Region - BG --- BG Events / 1 5.0 ϵ = 0.9805 ± 0.0001 0.3 0.2 0.1 80 70 75 85 90 95 100 105 110 115 80 100 105 110 115 90 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}$ (GeV)