$50 < p_{_{\mathrm{T}}} < 55$ GeV, $0.9 < |\eta| < 1.2$ ×10³ -- data -- data Events / 1 GeV GeV **–** Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** 60 - BG --- BG Events / 1 ϵ = 0.9859 ± 0.0003 600 40 500 30 400 300 20 200 10 100 80 75 85 90 100 105 110 115 70 75 80 110 115 100 105 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)