$50 < p_{_{\mathrm{T}}} < 60$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10⁶ -- data -- data Events / 1 GeV — Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** BG --- BG Events / 1 $\varepsilon = 0.9291 \pm 0.0004$ 0.08 0.06 0.04 0.02 80 80 75 85 90 95 100 105 110 115 70 75 90 105 110 115 100 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}~(GeV)$