$32 < p_{_{\mathrm{T}}} < 35$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10³ -- data -- data GeV -- Z $\rightarrow \mu\mu$ + BG Events / 1 GeV $Z \rightarrow \mu \mu$ + BG **Pass Region** Fail Region BG --- BG Events / 1 50 $\epsilon = 0.8673 \pm 0.0006$ 40 30 20 10 70 80 85 90 95 100 105 110 115 70 80 90 95 100 105 110 115 75 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}~(GeV)$