$35 < p_{_{\mathrm{T}}} < 40$ GeV, $0 < |\eta| < 0.9$ ×10³ ×10⁶ -- data -- data 9.0 ge/ Events / 1 GeV — Z → μμ + BG $Z \rightarrow \mu \mu$ + BG **Pass Region Fail Region** BG --- BG Events / 1 8.0 8.0 80 0.8 ϵ = 0.9082 ± 0.0002 60 0.6 50 0.5 40 0.4 30 0.3 20 0.2 0.1 10 80 95 70 75 85 90 100 105 110 115 70 80 85 90 95 100 105 110 115 75 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}~(GeV)$