$45 < p_{_{\mathrm{T}}} < 50$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10⁶ -- data -- data ⊛0.24 Events / 1 GeV $-Z \rightarrow \mu\mu + BG$ $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** - BG --- BG Events / 1 ϵ = 0.9684 ± 0.0000 0.18 0.16 0.14 0.12 0.1 0.08F 0.06 0.04 0.02 80 105 110 115 70 75 85 90 95 100 105 110 115 70 75 80 85 90 95 100 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}~(GeV)$