$45 < p_{_{\rm T}} < 50$ GeV, 1.2 < $|\eta| < 2.1$ ×10³ ×10⁶ -- data -- data ≥0.35 E $-Z \rightarrow \mu\mu + BG$ Events / 1 GeV $Z \rightarrow \mu \mu$ + BG **Pass Region Fail Region** - BG --- BG Events / 1 8.0 ϵ = 0.9888 ± 0.0001 0.25 2.5 0.2 0.15 1.5 0.1 0.05 0.5 80 110 115 70 75 85 90 95 100 105 110 115 70 75 80 90 95 100 105 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}$ (GeV)