$50 < p_{_{
m T}} < 55$ GeV, $1.2 < |\eta| < 2.1$ ×10³ -- data --- data Events / 1 GeV GeV - Z $\rightarrow \mu\mu$ + BG $-Z \rightarrow \mu\mu + BG$ 50 **Pass Region Fail Region** - BG --- BG Events / 1 ϵ = 0.9955 ± 0.0002 150 30 100 20 50 10 80 75 85 90 100 105 110 115 105 110 115 70 100 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}$ (GeV)