$50 < p_{_{\mathrm{T}}} < 60$ GeV, $0.9 < |\eta| < 1.2$ ×10³ ×10³ -- data -- data GeV Events / 1 GeV - Z $\rightarrow \mu\mu$ + BG $-Z \rightarrow \mu\mu + BG$ **Pass Region Fail Region** - BG --- BG Events / 1 30 $\varepsilon = 0.9499 \pm 0.0000$ 25 1.2 20 0.8 15 0.6 10 0.4 0.2 80 90 100 105 110 115 105 110 115 70 75 70 100 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)