$50 < p_{_{
m T}} < 55$ GeV, $1.2 < |\eta| < 2.1$ ×10³ -- data -- data GeV $-Z \rightarrow \mu\mu + BG$ $-Z \rightarrow \mu\mu + BG$ 50 **Pass Region Fail Region** - BG --- BG Events / 1 Events / 1 $\epsilon = 0.9838 \pm 0.0000$ 500 30 400 300 20 200 10 100 80 75 90 100 105 110 115 100 105 110 115 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)