$55 < p_{_{
m T}} < 60$ GeV, $1.2 < |\eta| < 2.1$ ×10³ -- data -- data GeV \$ 300 F $-Z \rightarrow \mu\mu + BG$ $Z \rightarrow \mu \mu$ + BG **Pass Region** Fail Region - BG --- BG Events / 1 Events / 1 $\epsilon = 0.9872 \pm 0.0000$ 18 16 200 14 12 150 10 100 50 75 80 90 100 105 110 115 100 105 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)