$15 < p_{_{\rm T}} < 20$ GeV, $2.1 < |\eta| < 2.4$ ×10³ ×10³ -- data -- data GeV -- Z $\rightarrow \mu\mu$ + BG $Z \rightarrow \mu \mu$ + BG **Pass Region Fail Region** - BG --- BG Events / 1 Events / 1 $\epsilon = 0.8470 \pm 0.0016$ 1.6 1.4 0.8 0.6 0.4 0.2 80 85 90 95 100 105 110 115 80 90 95 100 105 110 115 70 75 $m_{\mu\mu}$ (GeV) $m_{\mu\mu}~(GeV)$