$10 < p_{_{\rm T}} < 15$ GeV, $2.1 < |\eta| < 2.4$ $\times 10^3$ -- data -- data Events / 1 GeV **–** Z → μμ + BG $Z \rightarrow \mu \mu$ + BG **Pass Region Fail Region** 60 - BG --- BG Events / 1 50 $\epsilon = 0.9850 \pm 0.0009$ 2.5 40 30 1.5 20 0.5

70

110 115

 $m_{\mu\mu}~(GeV)$

100

105

90

100

105 110 115

 $m_{\mu\mu}$ (GeV)