$15 < p_{_{\rm T}} < 20$ GeV, $0.9 < |\eta| < 1.2$ $\times 10^3$ -- data -- data GeV > 900 E — Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** - BG --- BG Events / 1 Events / 1 25 $\epsilon = 0.9760 \pm 0.0006$ 700 20 600 15 500 400 10 300 200 100 85 90 100 105 110 115 105 110 115 70 75 70 100 $m_{\mu\mu}~(GeV)$

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