$45 < p_{_{\rm T}} < 50$  GeV,  $0.9 < |\eta| < 1.2$ ×10<sup>3</sup> -- data -- data GeV GeV — Z → μμ + BG  $Z \rightarrow \mu\mu$  + BG **Pass Region Fail Region** 80 - BG --- BG Events / 1 Events / 1 70  $\epsilon$  = 0.9917 ± 0.0001 60 400 50 300 40 30 200 20 100 10 75 80 85 90 100 105 110 115 110 115 70 100 105  $m_{\mu\mu}~(GeV)$  $m_{\mu\mu}$  (GeV)